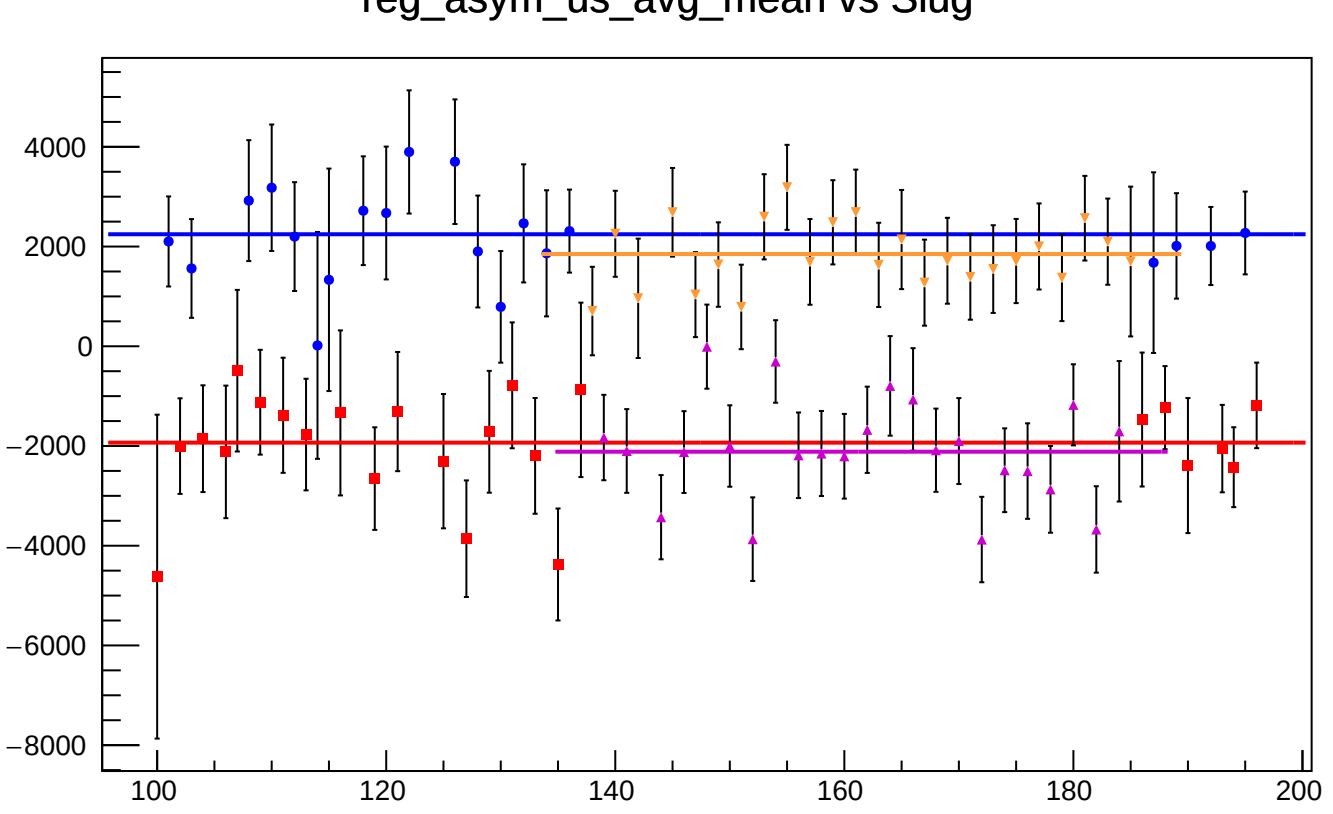


Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

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

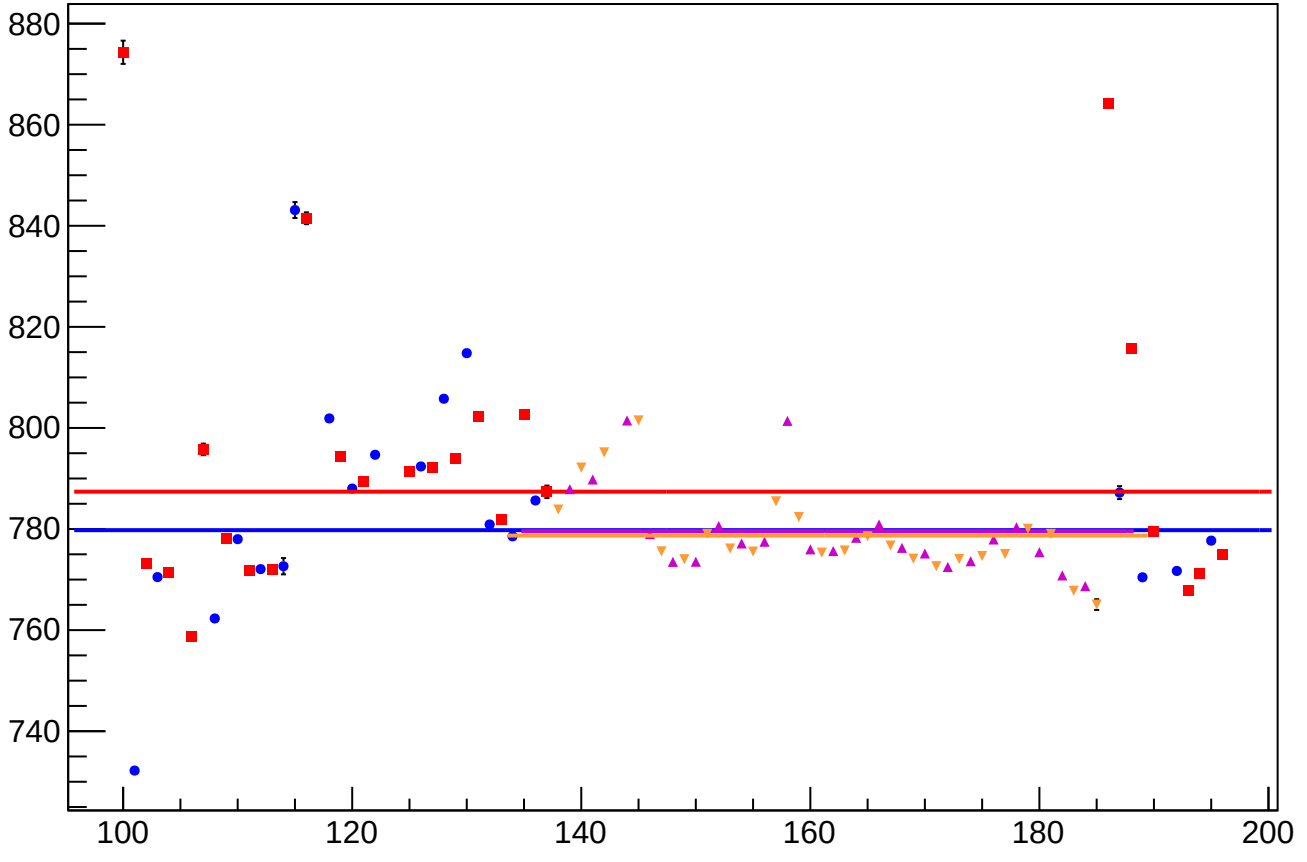
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1986.636+/-146.258 χ^2/NDF: 22.6/43

All: -73.340+/-102.280 χ^2/NDF: 456.4/90

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

reg_asym_us_avg_rms vs Slug



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

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

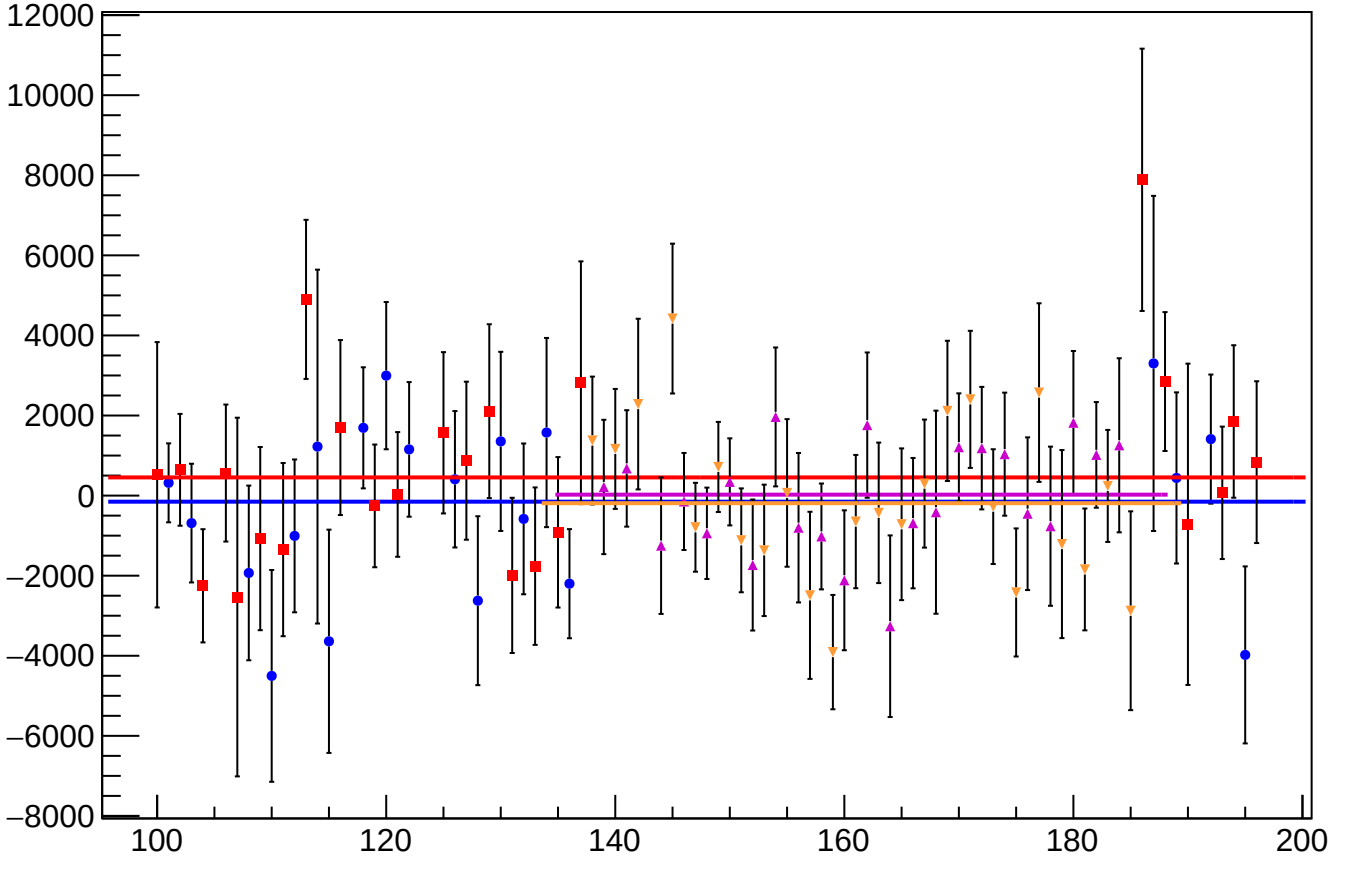
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.077+/-0.103 χ^2/NDF: 16230.4/43

All: 780.858+/-0.072 χ^2/NDF: 40797.6/90

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

asym_us_avg_reg_correction_mean vs Slug



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

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

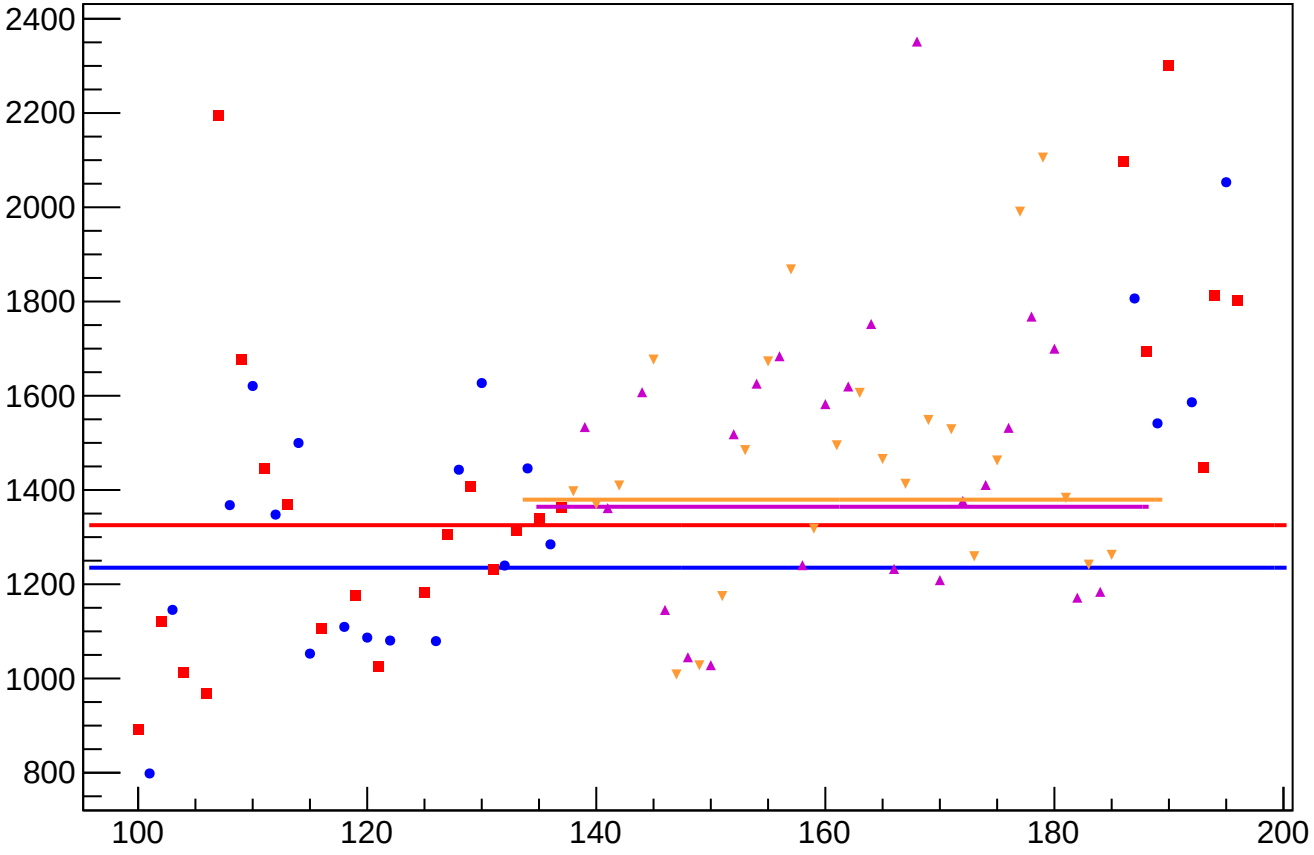
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -174.379+/-255.436 χ^2/NDF: 49.7/43

All: 11.972+/-179.735 χ^2/NDF: 88.5/90

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1235.085+/-0.288 χ^2/NDF: 1079093.0/19

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

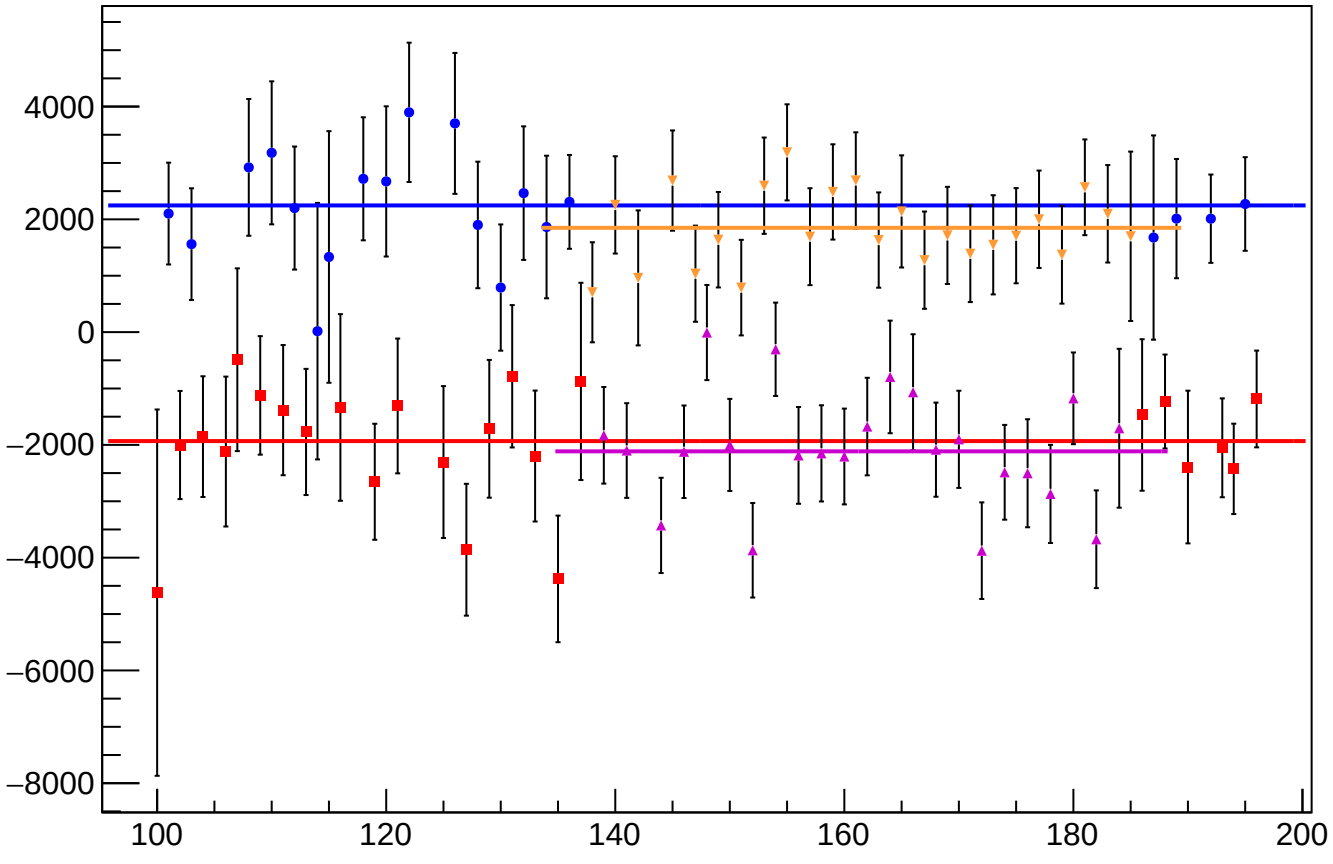
Right Out: 1325.329+/-0.284 χ^2/NDF: 1097712.2/23

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

+ sign 1322.866+/-0.181 χ^2/NDF: 2390043.2/43

All: 1336.003+/-0.127 χ^2/NDF: 4821965.6/90

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



Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

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

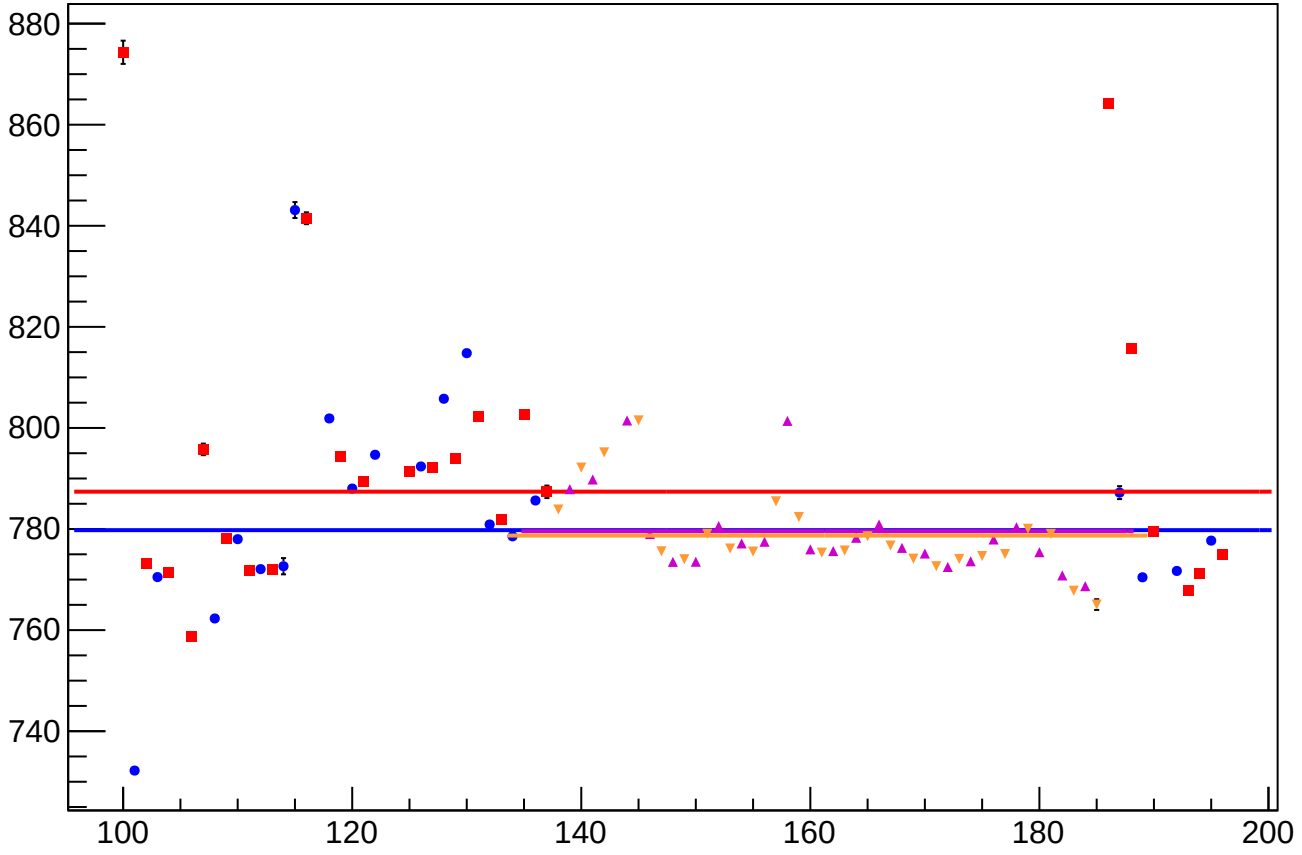
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1986.636+/-146.258 χ^2/NDF: 22.6/43

All: -73.340+/-102.280 χ^2/NDF: 456.4/90

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

cor_asym_us_avg_rms vs Slug



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

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

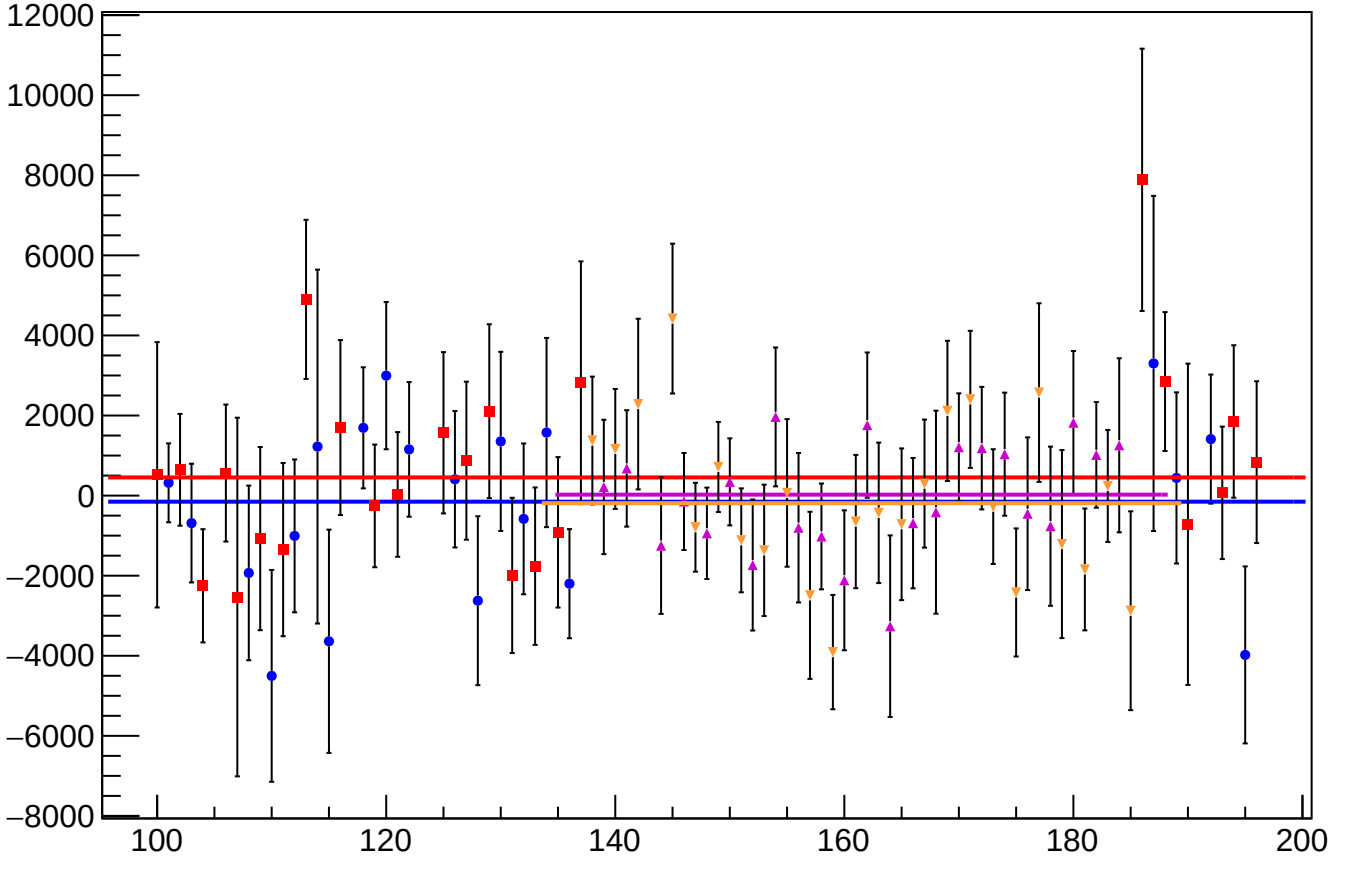
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.077+/-0.103 χ^2/NDF: 16230.4/43

All: 780.858+/-0.072 χ^2/NDF: 40797.6/90

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

asym_us_avg_cor_correction_mean vs Slug



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

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

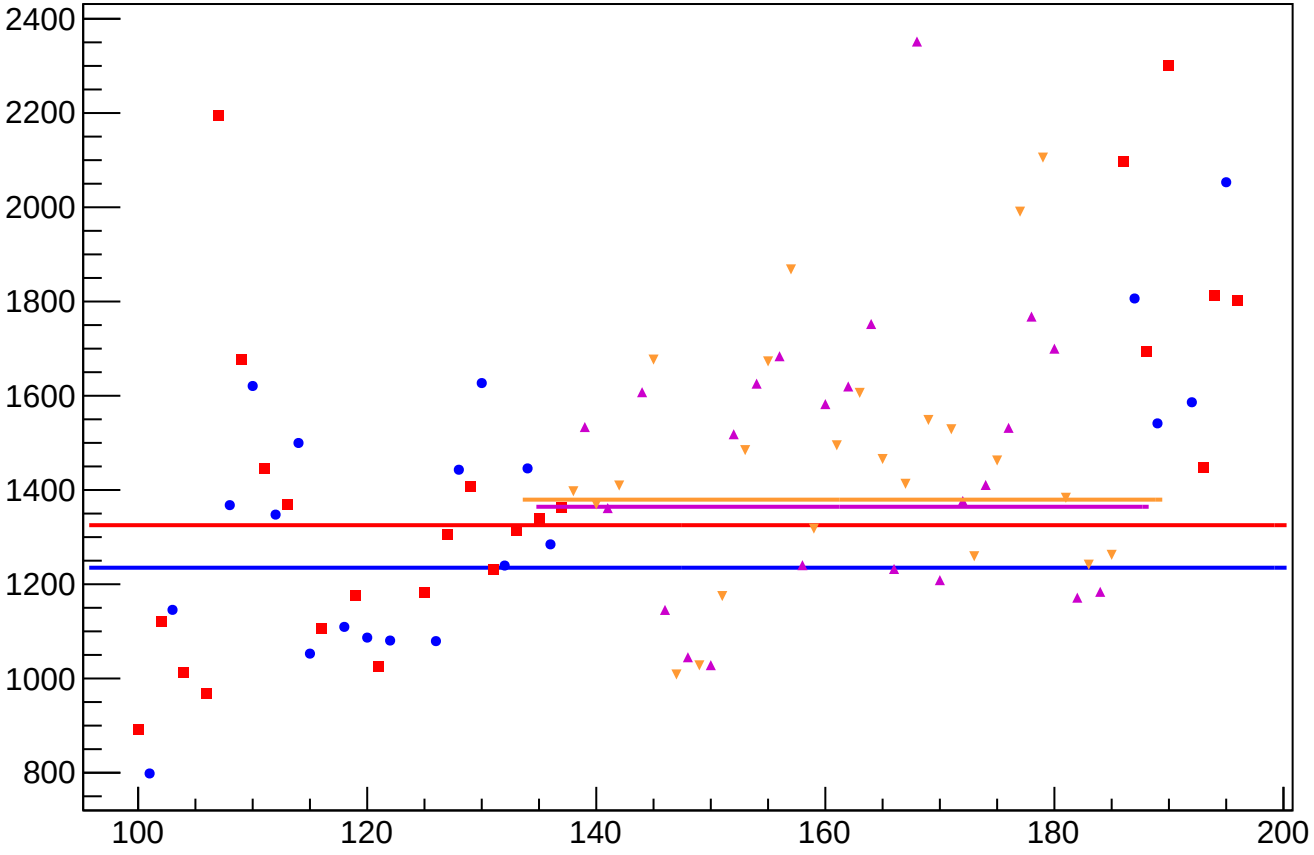
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -174.379+/-255.436 χ^2/NDF: 49.7/43

All: 11.972+/-179.735 χ^2/NDF: 88.5/90

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1235.085+/-0.288 χ^2/NDF: 1079093.0/19

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

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

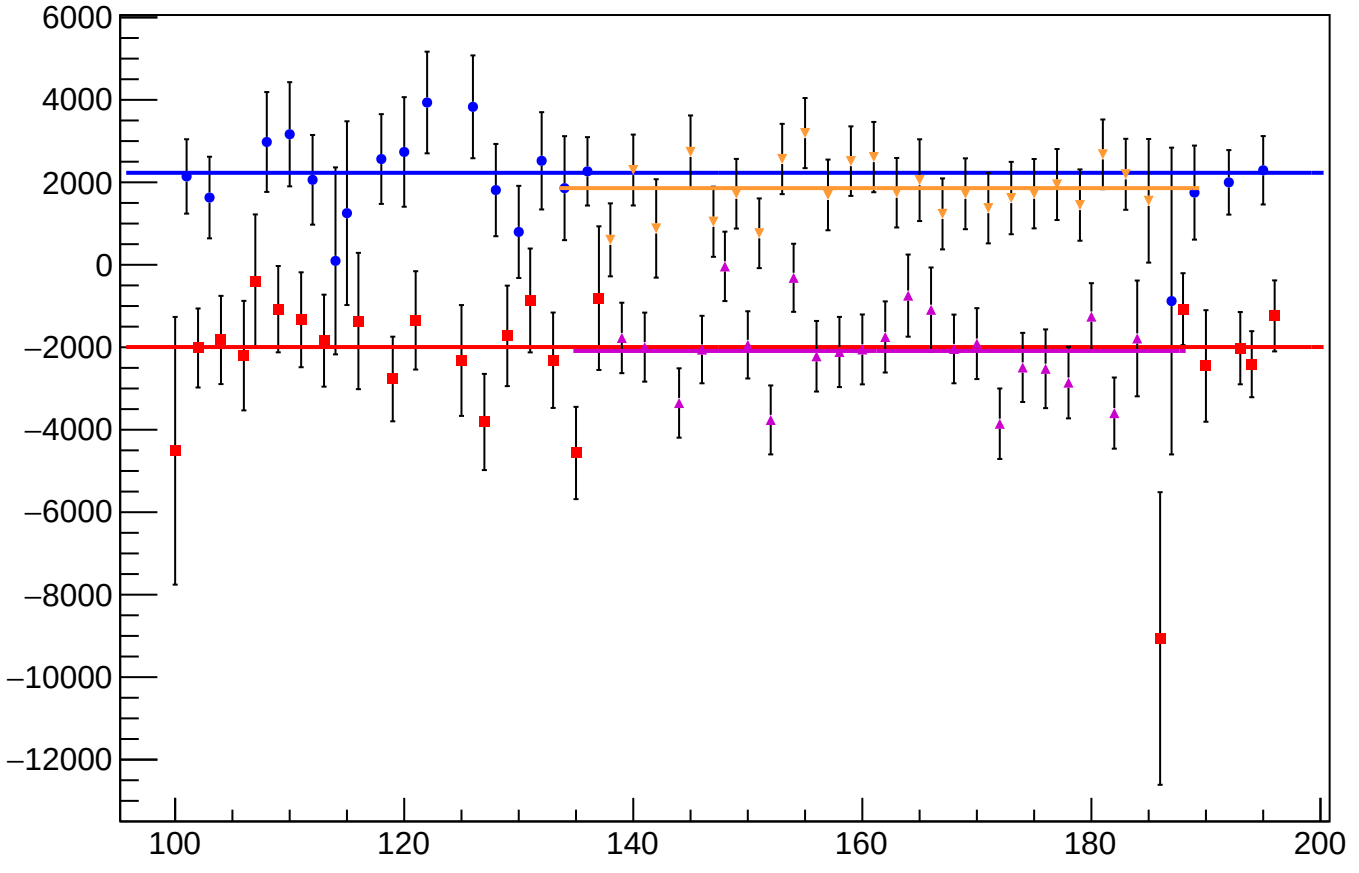
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1322.866+/-0.181 χ^2/NDF: 2390043.2/43

All: 1336.003+/-0.127 χ^2/NDF: 4821965.6/90

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2230.772+/-251.241 χ^2/NDF: 9.1/19

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

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

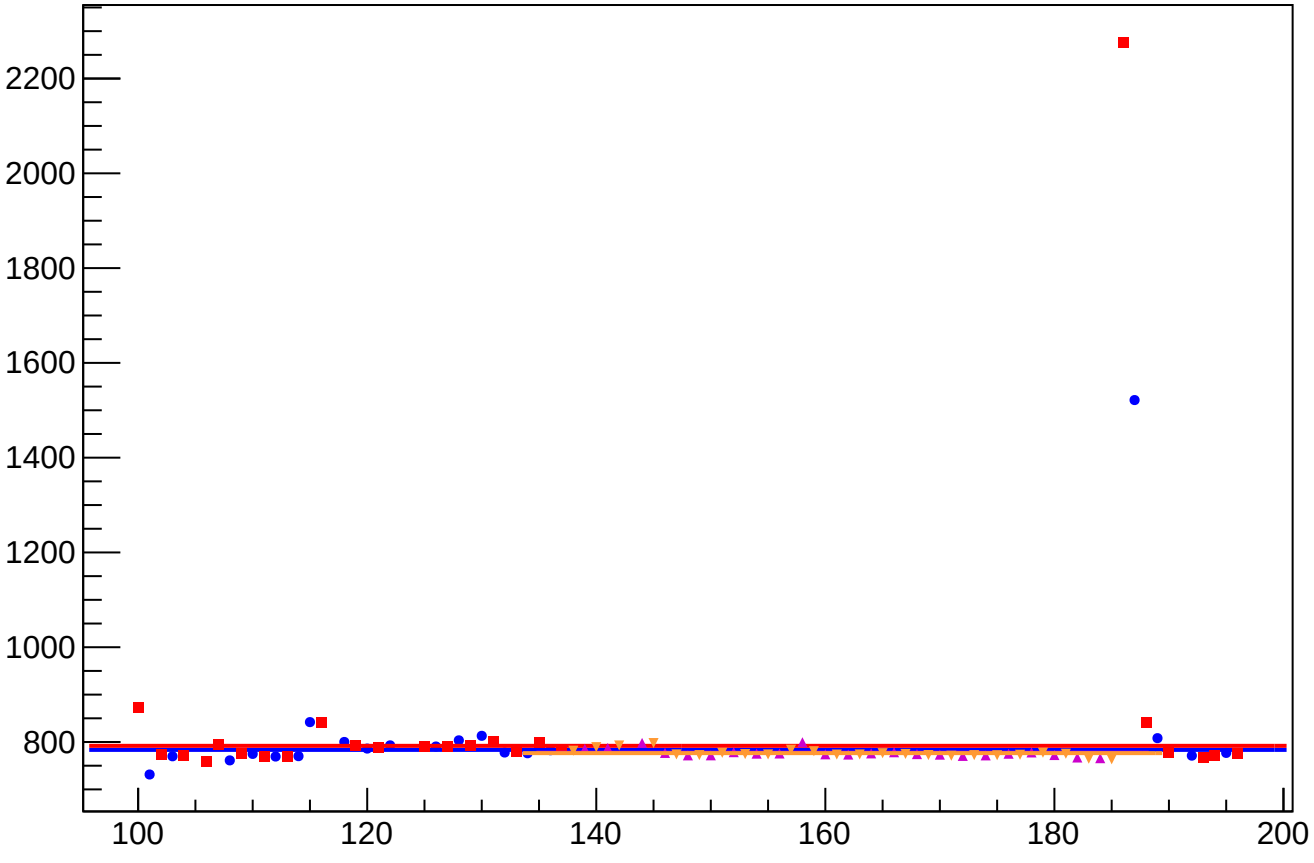
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1985.664+/-146.446 χ^2/NDF: 24.1/43

All: -73.189+/-102.549 χ^2/NDF: 460.8/90

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 783.343+/-0.178 χ^2/NDF: 92689.9/19

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

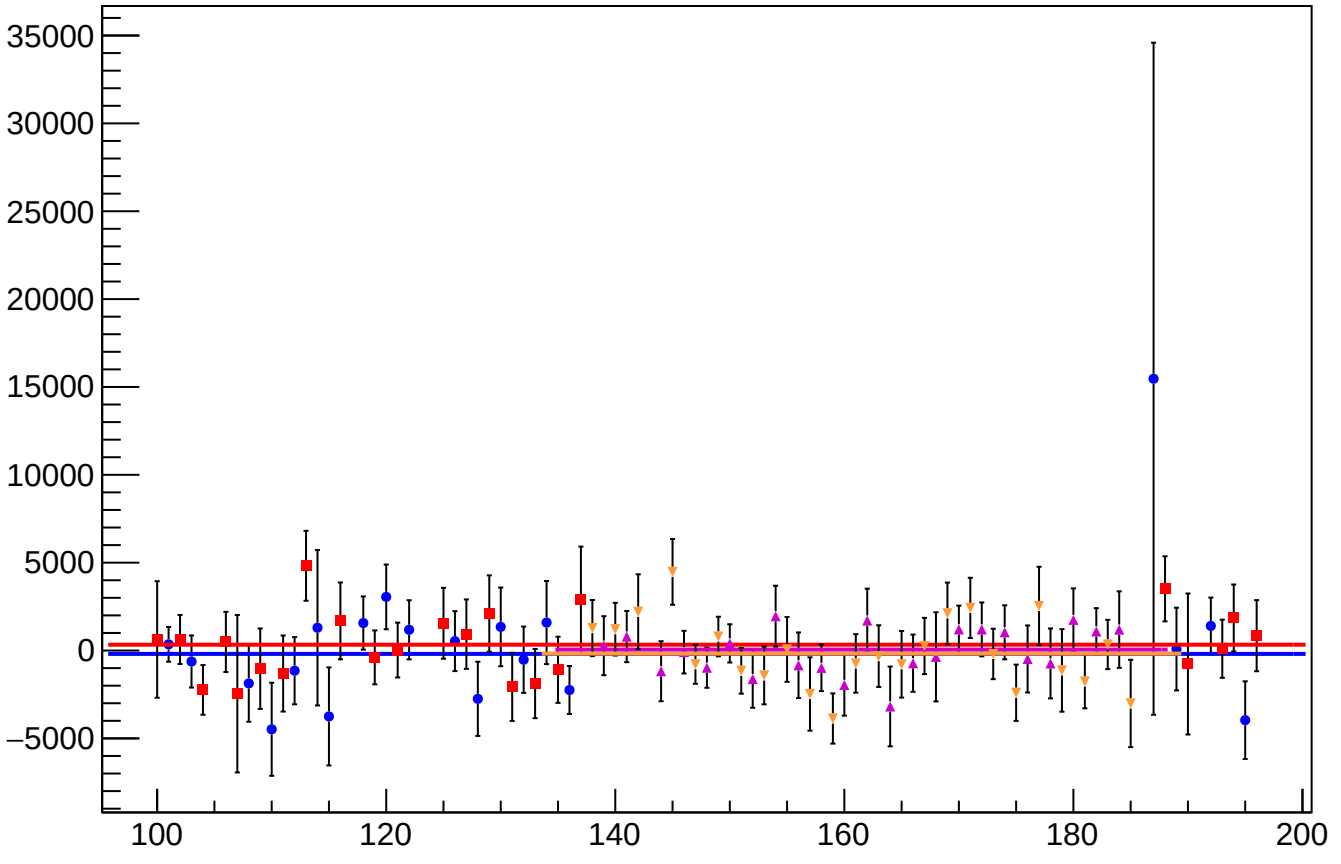
Right Out: 791.928+/-0.166 χ^2/NDF: 368619.0/23

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

+ sign 778.840+/-0.104 χ^2/NDF: 96800.2/43

All: 780.878+/-0.073 χ^2/NDF: 475020.8/90

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



Right In: -191.438+/-411.372 χ^2/NDF: 20.3/19

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

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

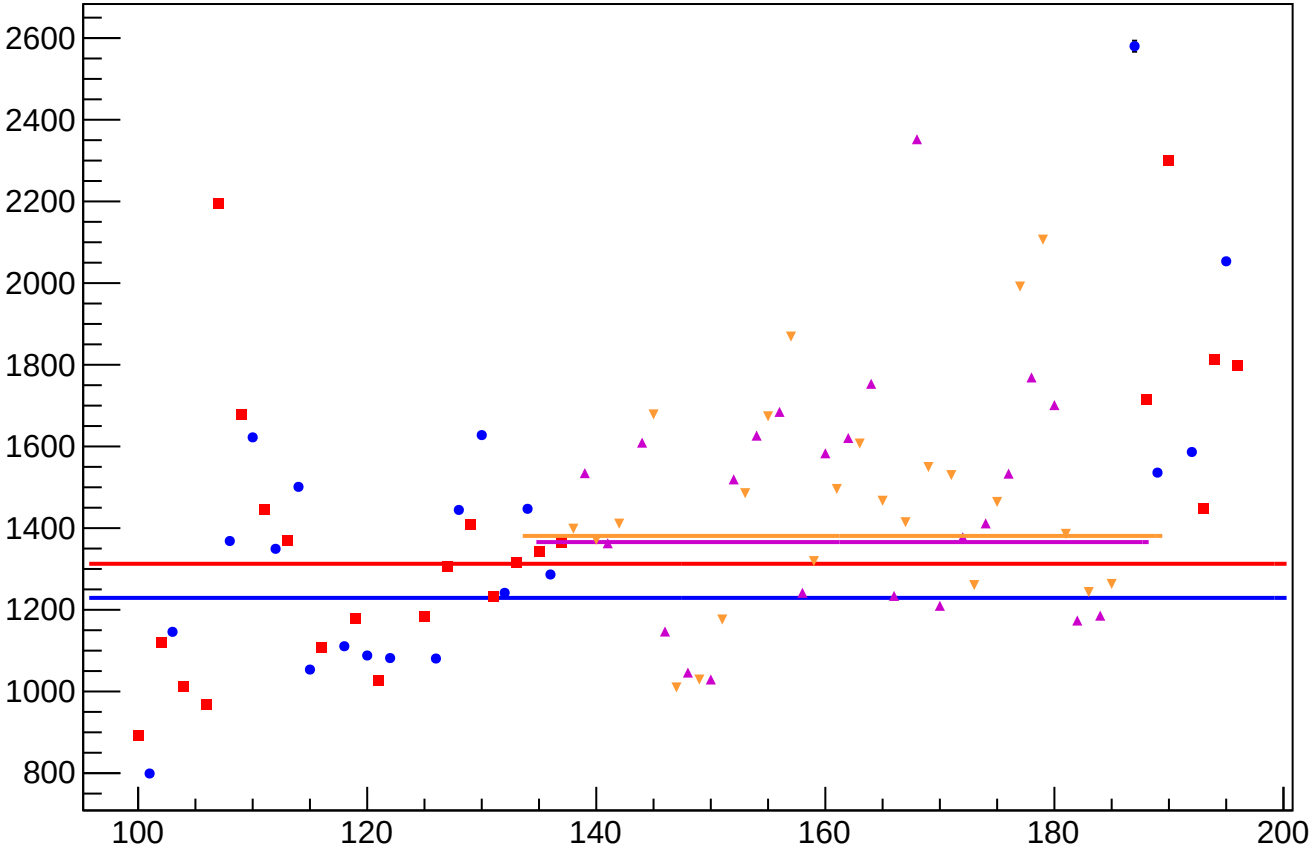
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

\+ sign -181.347+/-256.454 χ^2/NDF: 49.9/43

All: -8.142+/-180.563 χ^2/NDF: 83.4/89

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

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1229.202+/-0.291 χ^2/NDF: 1041087.8/19

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

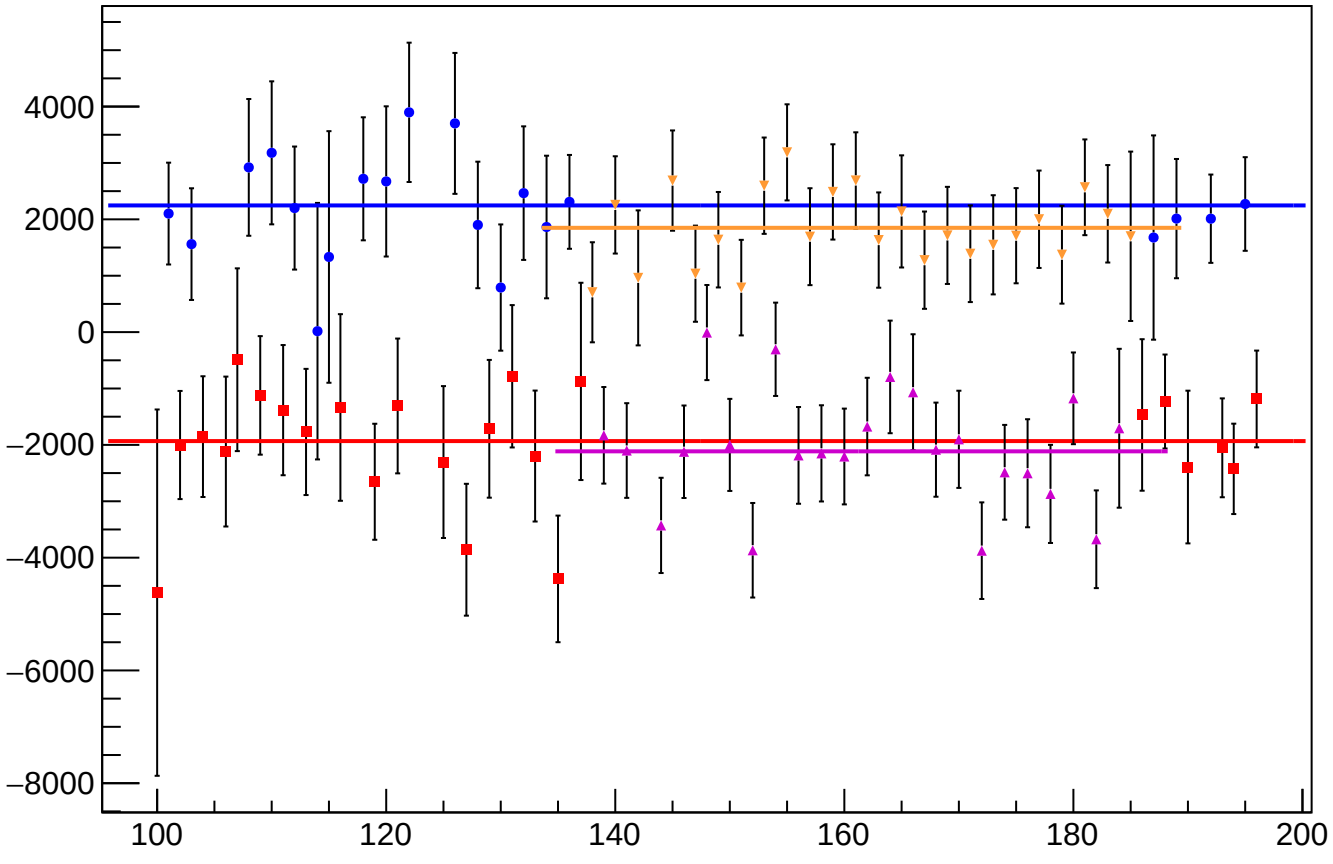
Right Out: 1312.693+/-0.287 χ^2/NDF: 977223.6/22

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

+ sign 1321.976+/-0.181 χ^2/NDF: 2362910.5/43

All: 1333.578+/-0.128 χ^2/NDF: 4677918.4/89

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



Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

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

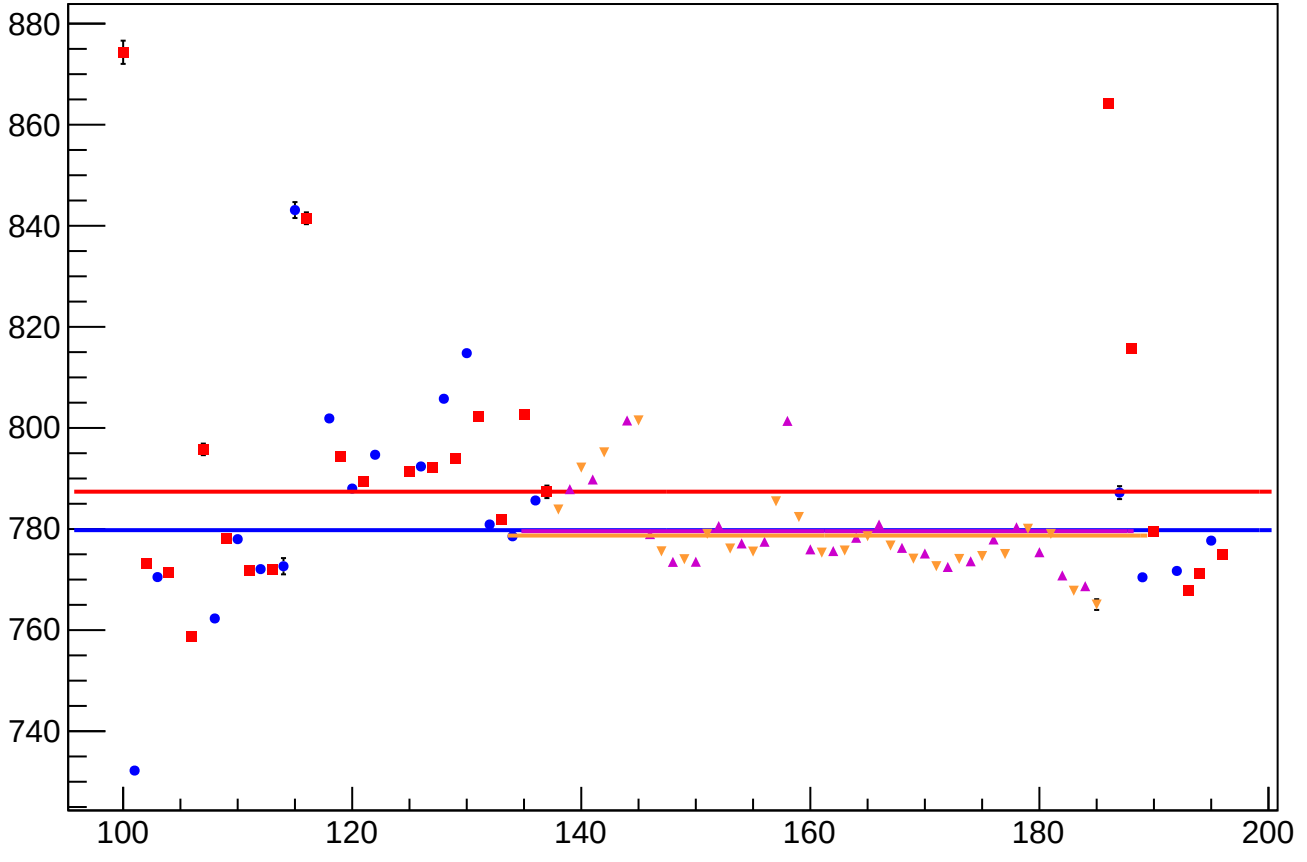
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1986.636+/-146.258 χ^2/NDF: 22.6/43

All: -73.340+/-102.280 χ^2/NDF: 456.4/90

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

eigen_cor_asym_us_avg_rms vs Slug



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

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

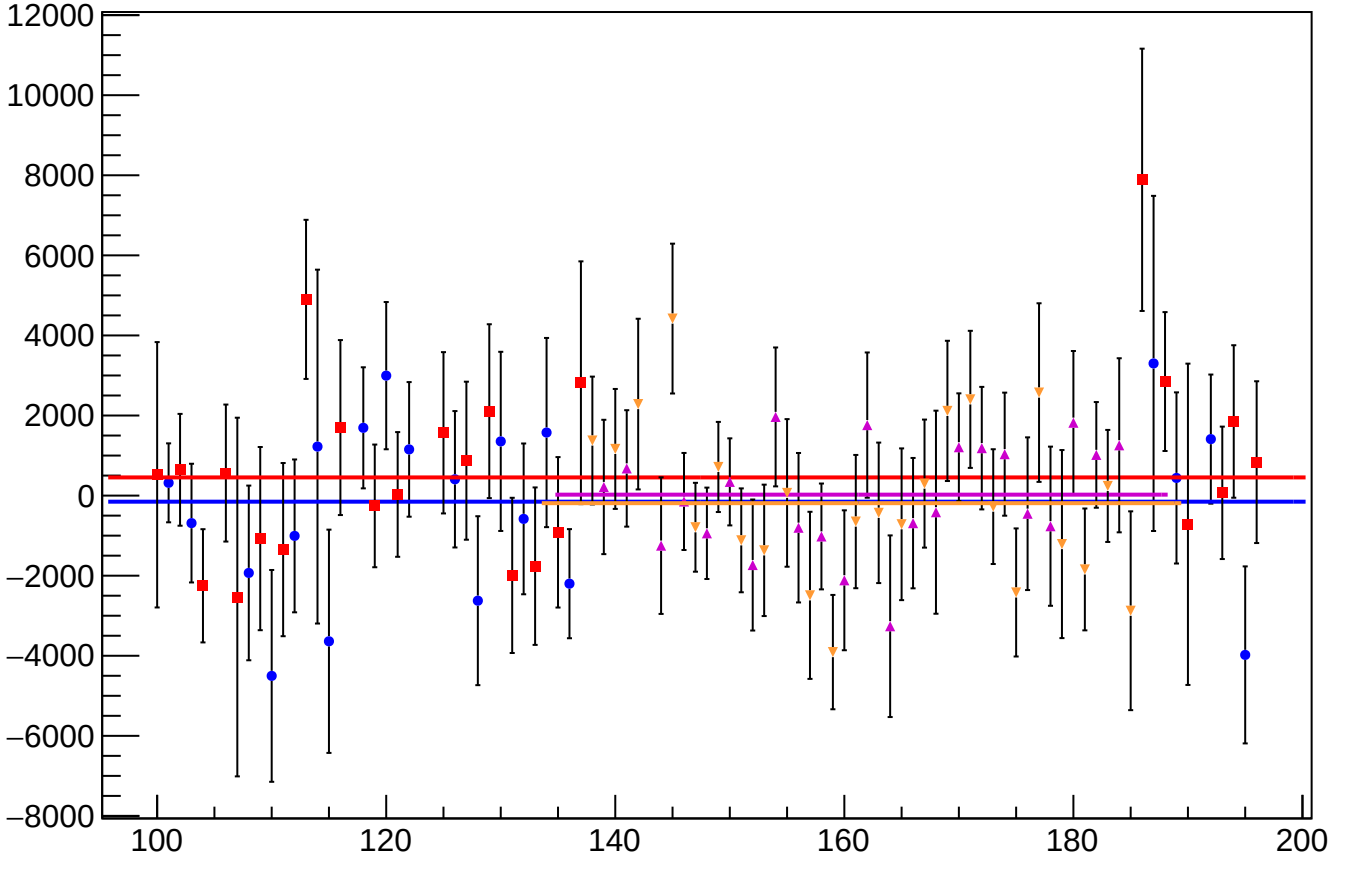
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.077+/-0.103 χ^2/NDF: 16230.4/43

All: 780.858+/-0.072 χ^2/NDF: 40797.6/90

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

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

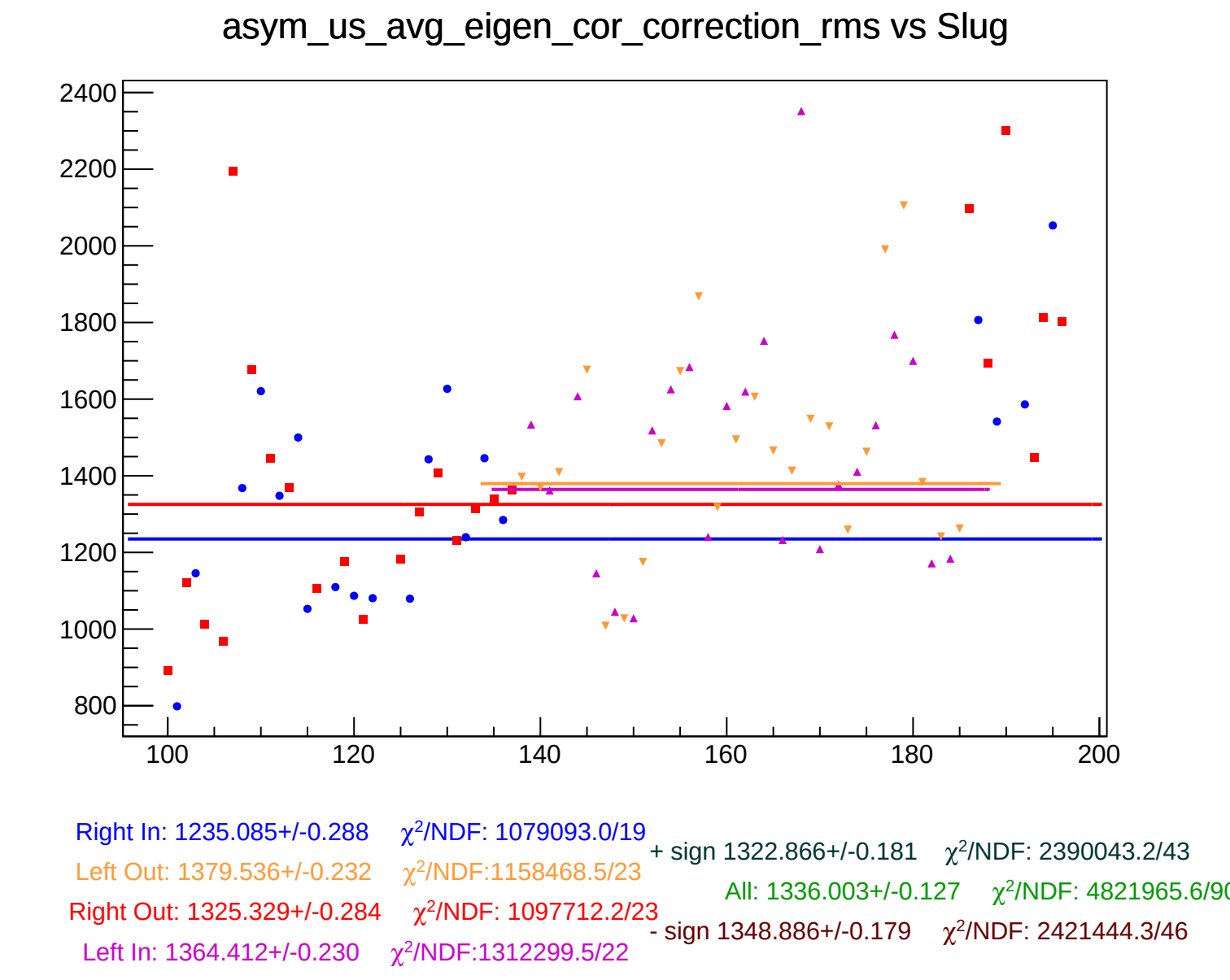
Right Out: 454.116+/-401.332 χ^2/NDF: 23.6/23

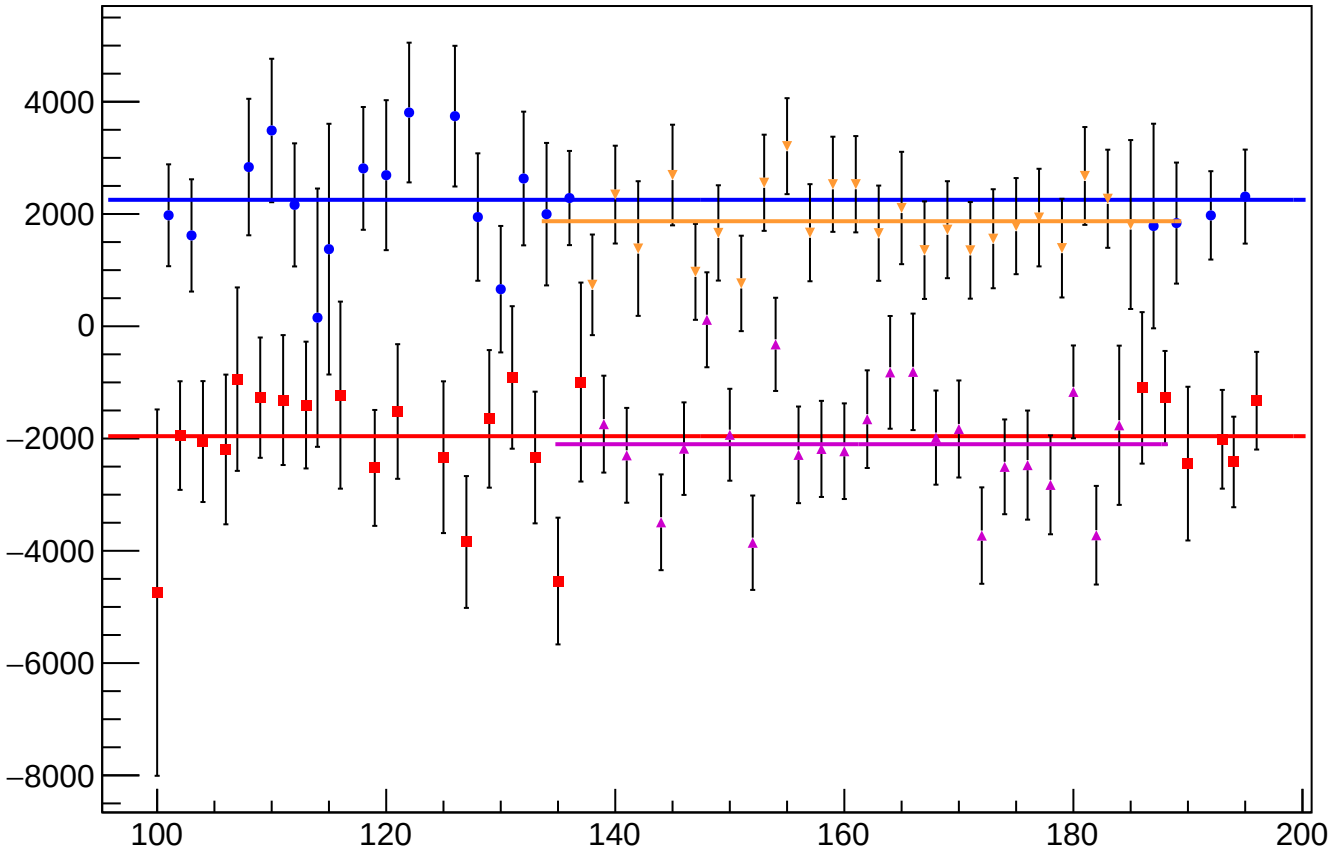
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -174.379+/-255.436 χ^2/NDF: 49.7/43

All: 11.972+/-179.735 χ^2/NDF: 88.5/90

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


asym_us_avg_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1235.085+/-0.288 χ²/NDF: 1079093.0/19
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1325.329+/-0.284 χ²/NDF: 1097712.2/23
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
+ sign 1322.866+/-0.181 χ²/NDF: 2390043.2/43
All: 1336.003+/-0.127 χ²/NDF: 4821965.6/90
- sign 1348.886+/-0.179 χ²/NDF: 2421444.3/46



Right In: 2252.750+/-250.663 χ^2/NDF: 8.6/19

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

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

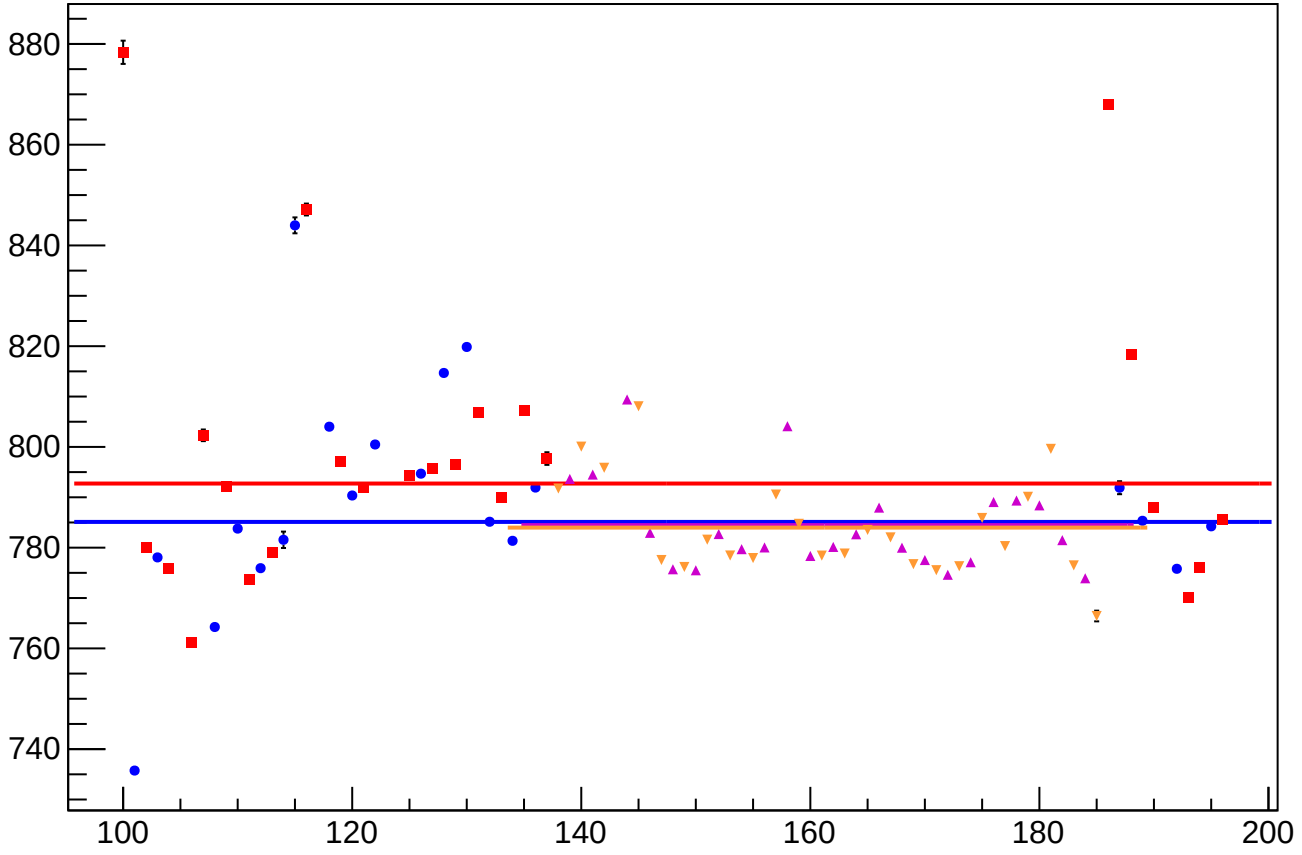
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2003.057+/-147.261 χ^2/NDF: 22.6/43

All: -66.729+/-102.964 χ^2/NDF: 454.9/90

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

dit_asym_us_avg_rms vs Slug



Right In: 785.112+/-0.177 χ^2/NDF: 12914.3/19

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

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

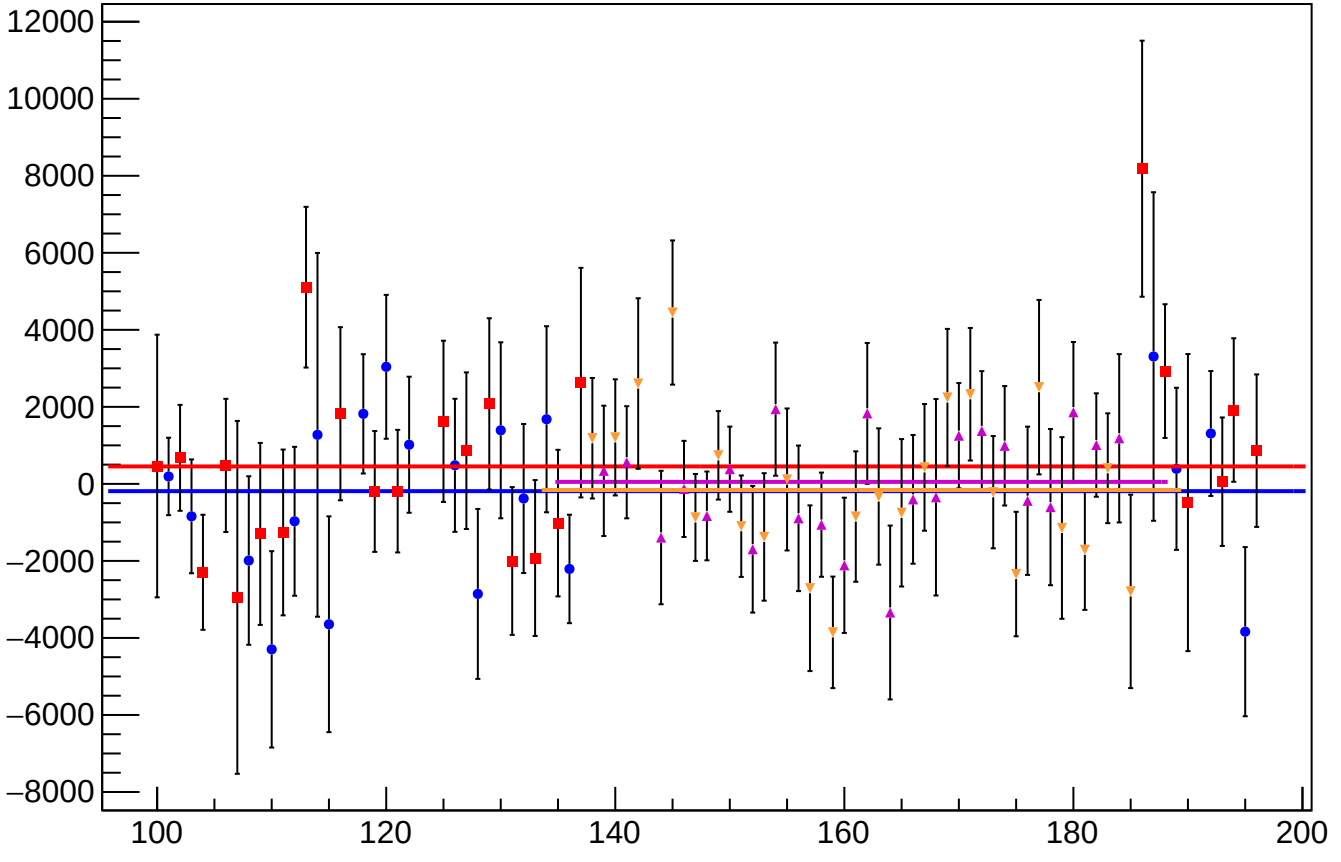
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.372+/-0.104 χ^2/NDF: 17869.0/43

All: 786.035+/-0.073 χ^2/NDF: 42330.1/90

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

asym_us_avg_dit_correction_mean vs Slug



Right In: -188.691+/-414.627 χ^2/NDF: 19.6/19

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

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

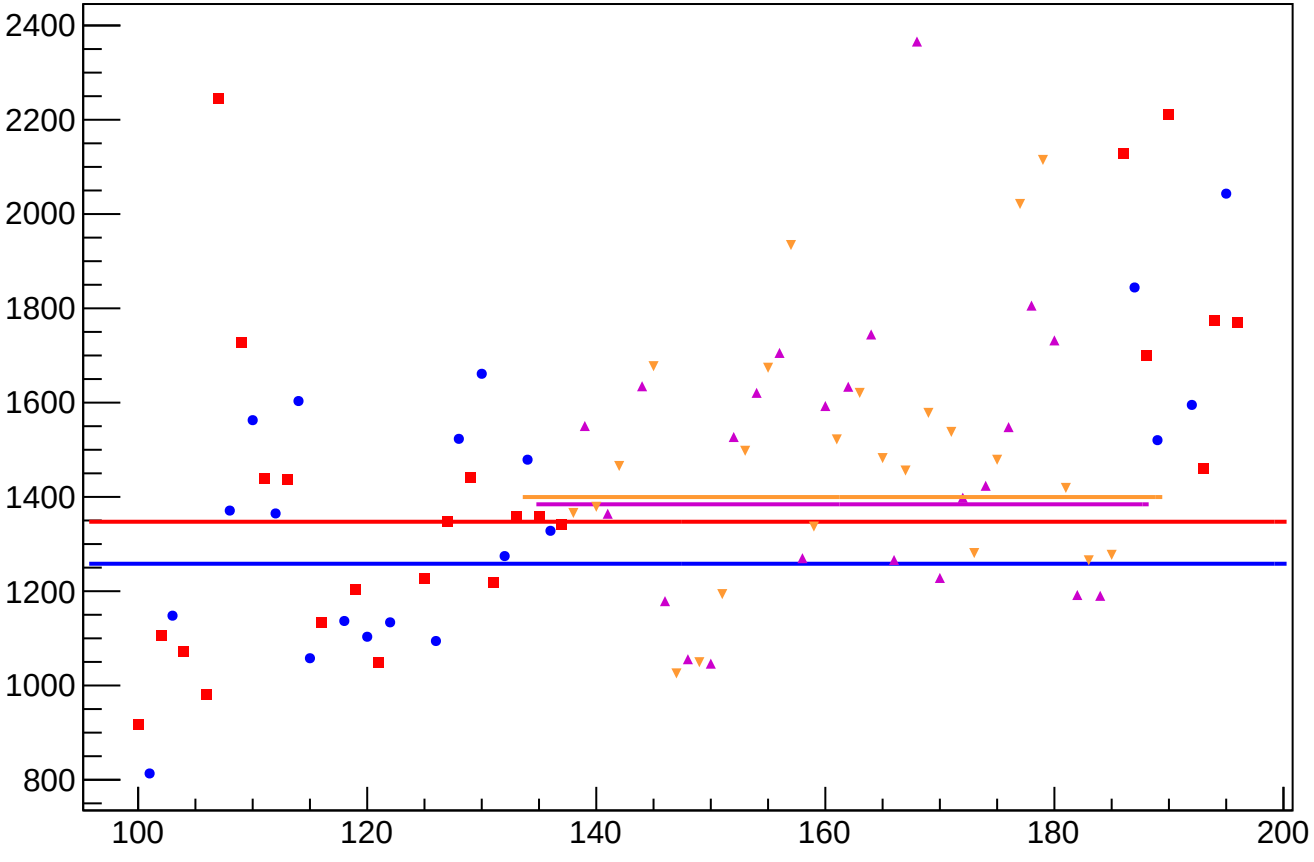
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -170.775+/-259.248 χ^2/NDF: 48.8/43

All: 22.354+/-182.308 χ^2/NDF: 87.9/90

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1258.248+/-0.293 χ^2/NDF: 1040800.2/19

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

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

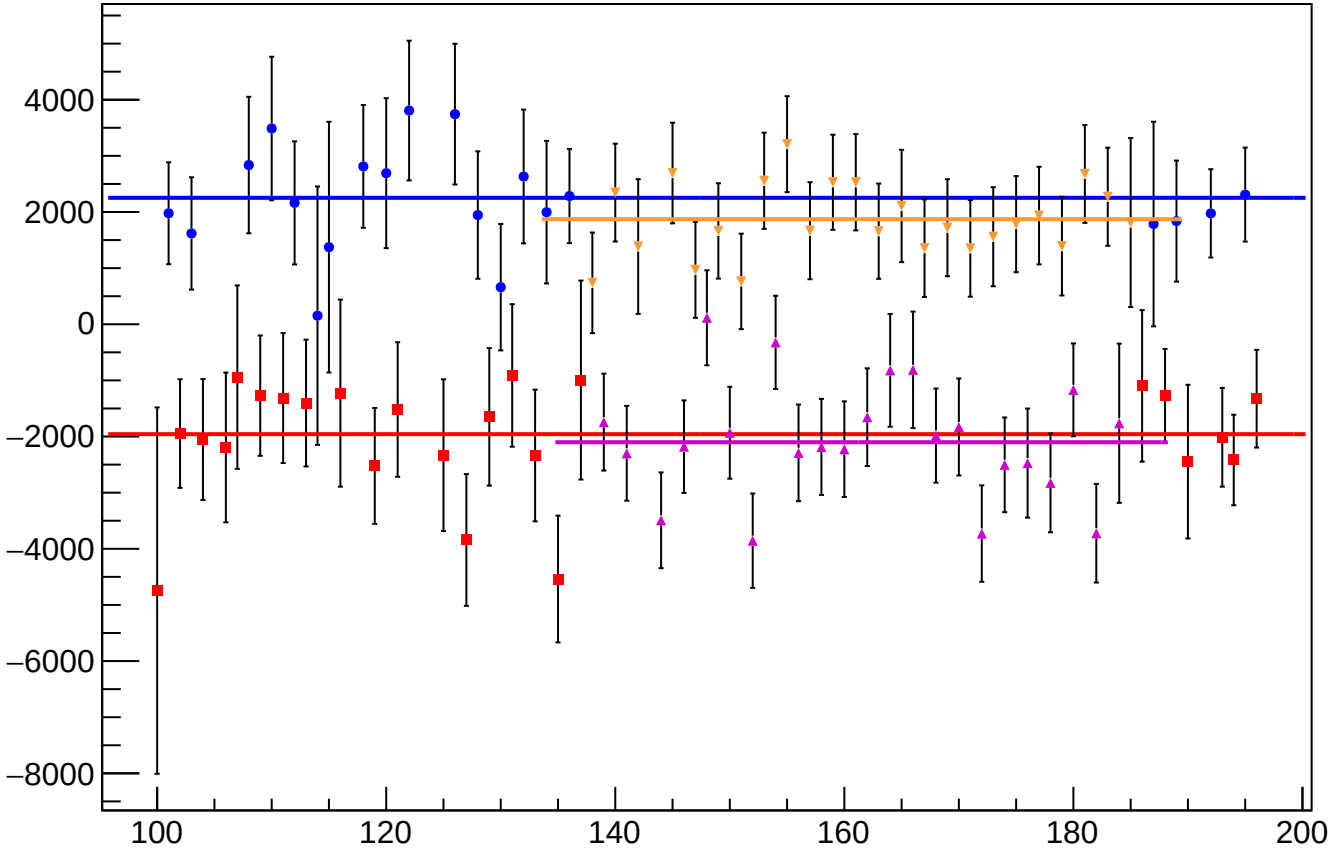
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1344.410+/-0.183 χ^2/NDF: 2318956.9/43

All: 1357.169+/-0.129 χ^2/NDF: 4618516.8/90

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

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2252.748+/-250.663 χ^2/NDF: 8.6/19

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

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

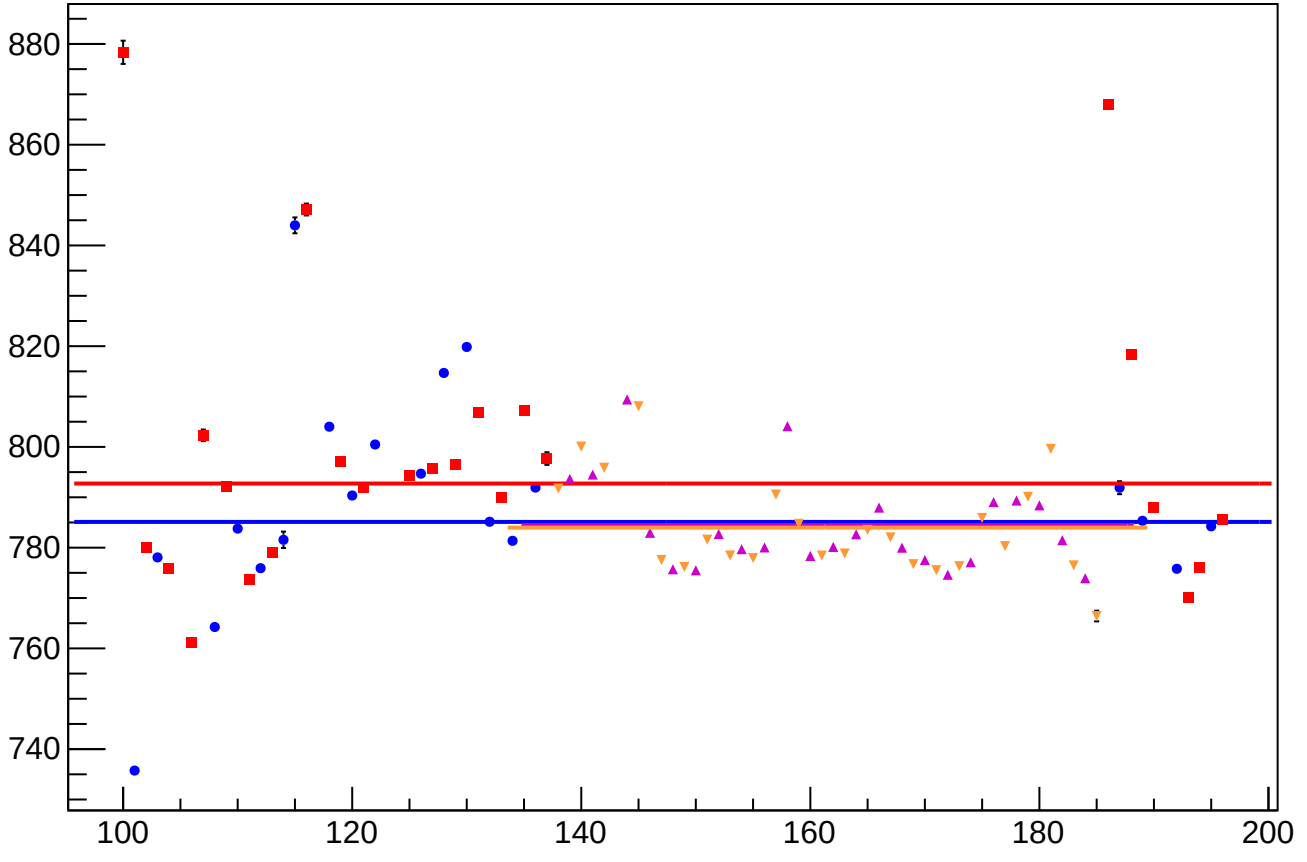
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2003.055+/-147.261 χ^2/NDF: 22.6/43

All: -66.730+/-102.964 χ^2/NDF: 454.9/90

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

eigen_dit_asym_us_avg_rms vs Slug



Right In: 785.111+/-0.177 χ^2/NDF: 12914.3/19

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

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

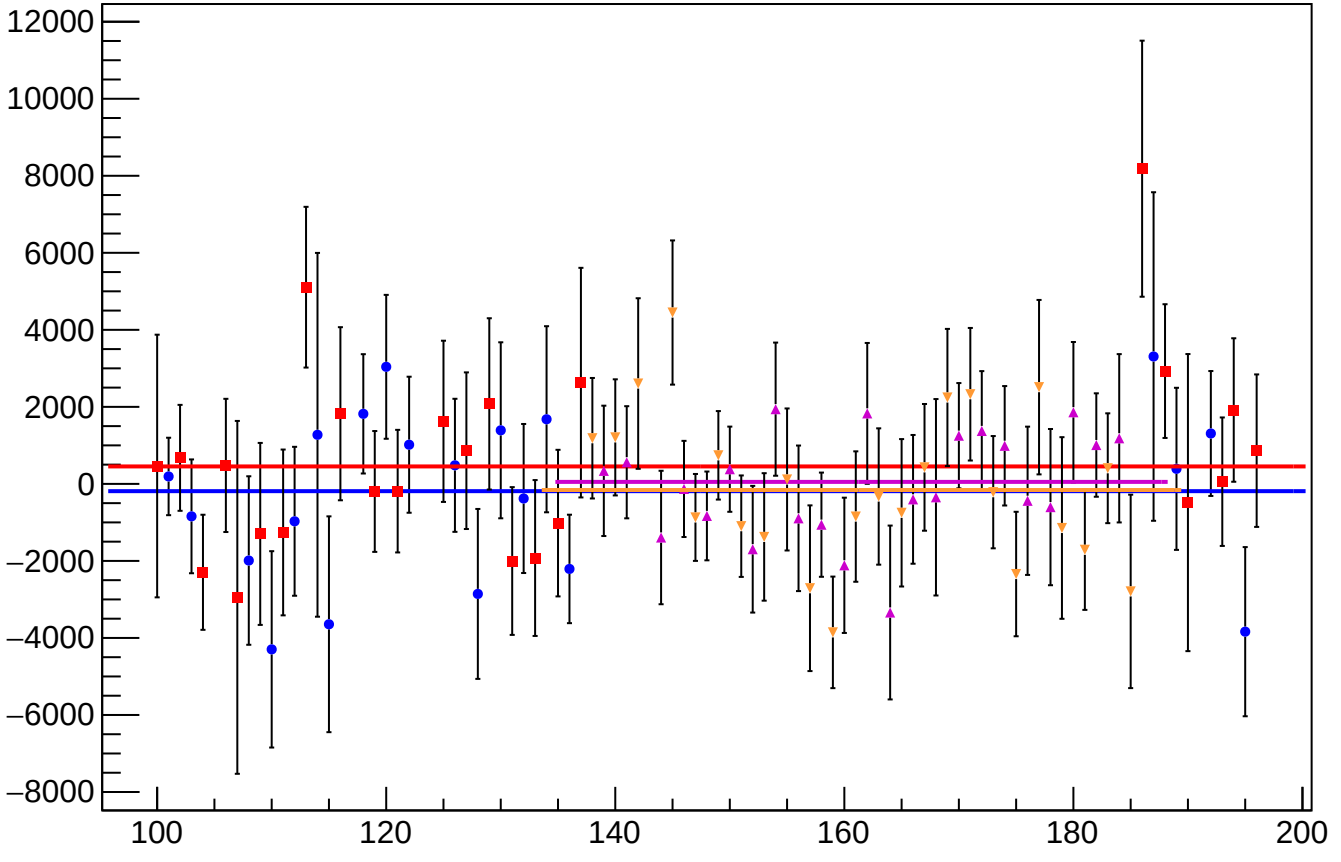
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.372+/-0.104 χ^2/NDF: 17868.9/43

All: 786.035+/-0.073 χ^2/NDF: 42330.0/90

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -188.690+/-414.626 χ^2/NDF: 19.6/19

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

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

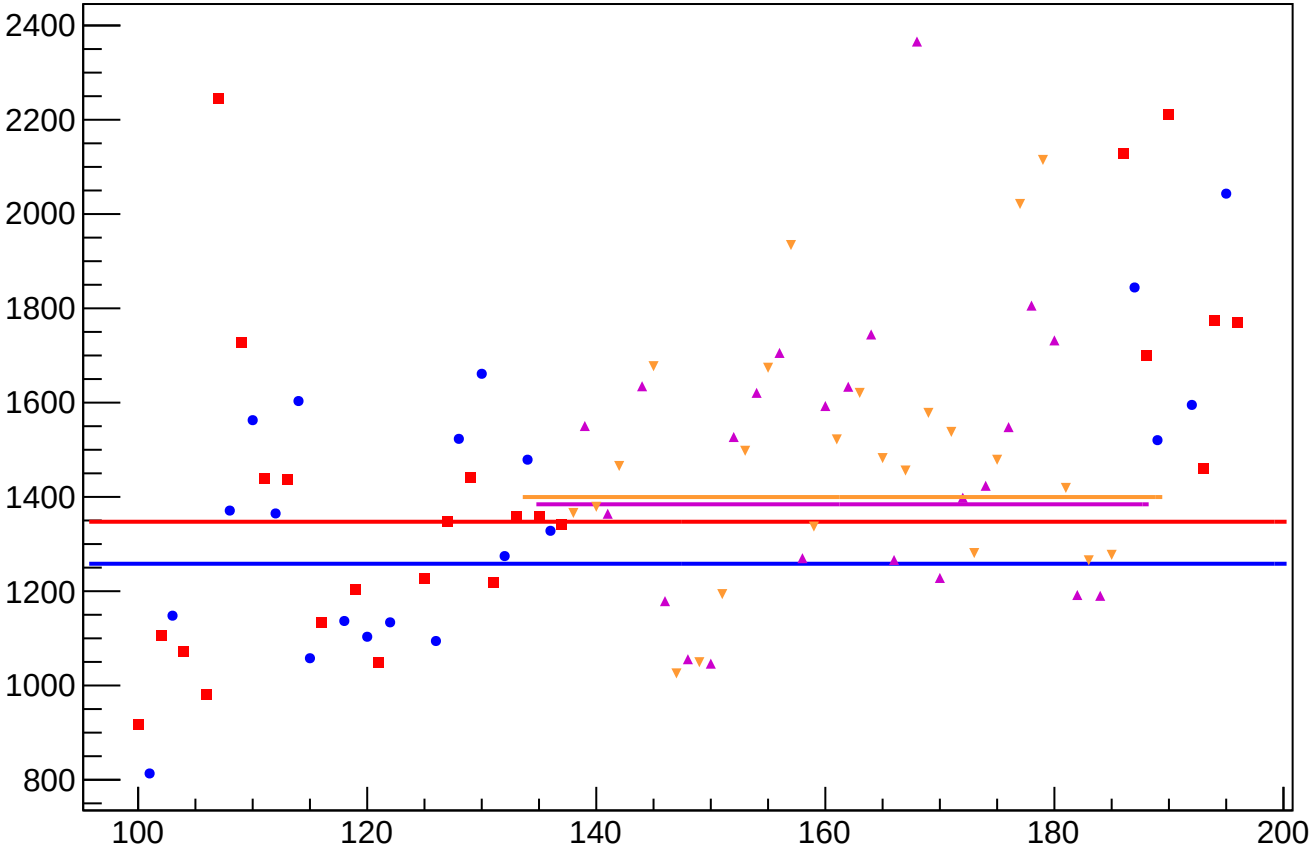
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -170.776+/-259.248 χ^2/NDF: 48.8/43

All: 22.353+/-182.308 χ^2/NDF: 87.9/90

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1258.245+/-0.293 χ^2/NDF: 1040803.6/19

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

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

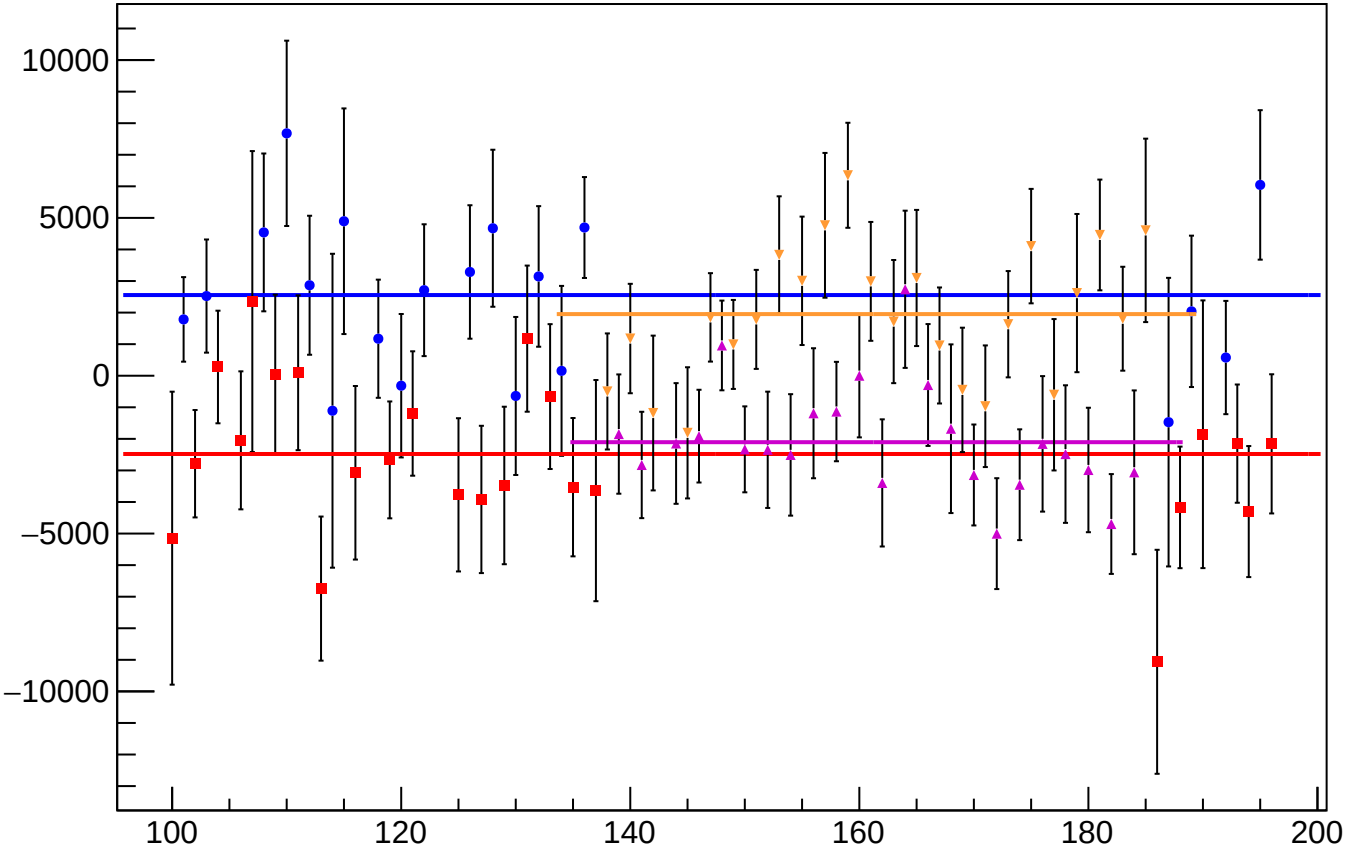
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1344.410+/-0.183 χ^2/NDF: 2318972.5/43

All: 1357.170+/-0.129 χ^2/NDF: 4618544.1/90

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

asym_us_avg_mean vs Slug



Right In: 2555.725+/-489.979 χ^2/NDF: 16.5/19

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

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

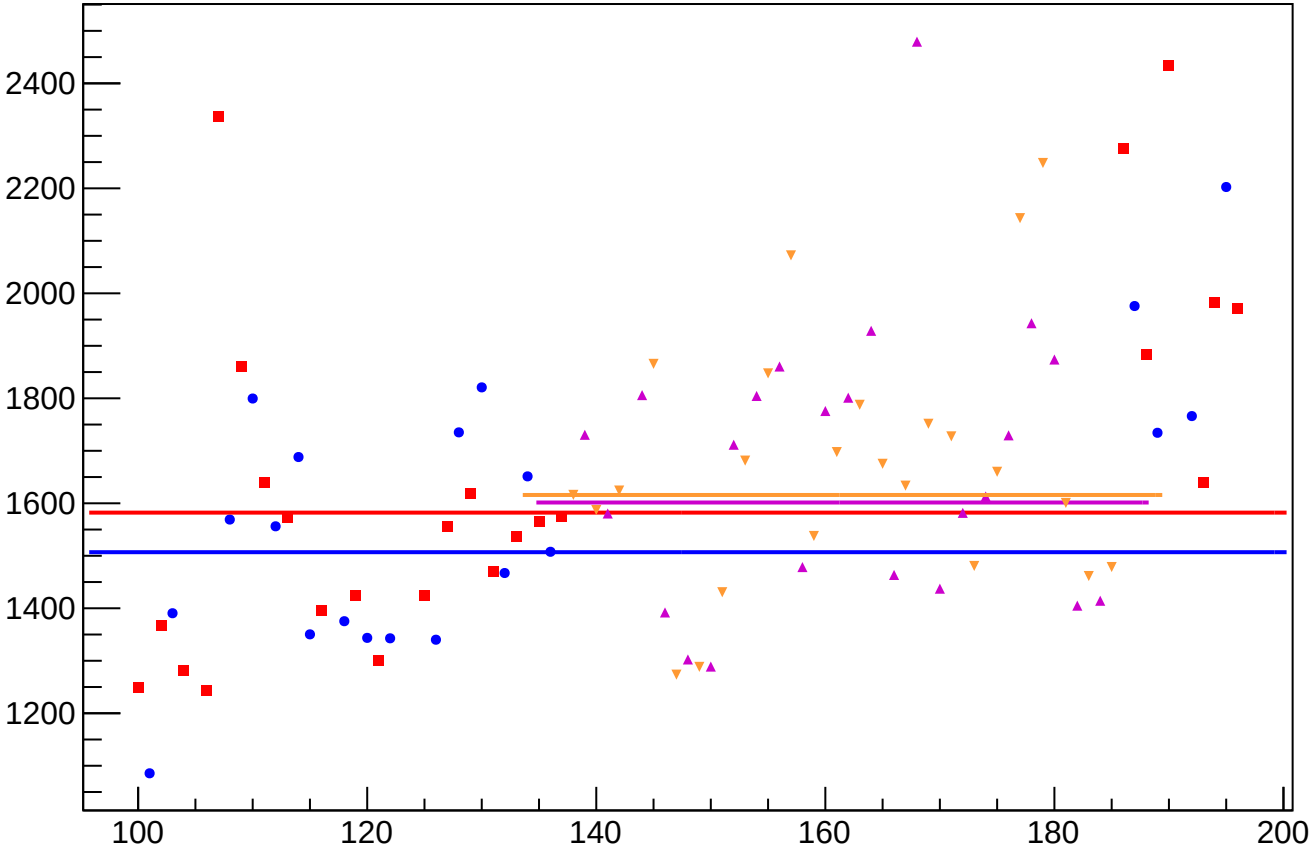
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2179.197+/-300.411 χ^2/NDF: 44.8/43

All: -69.939+/-210.797 χ^2/NDF: 193.4/90

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

asym_us_avg_rms vs Slug



Right In: 1506.846+/-0.346 χ^2/NDF: 588037.4/19

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

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

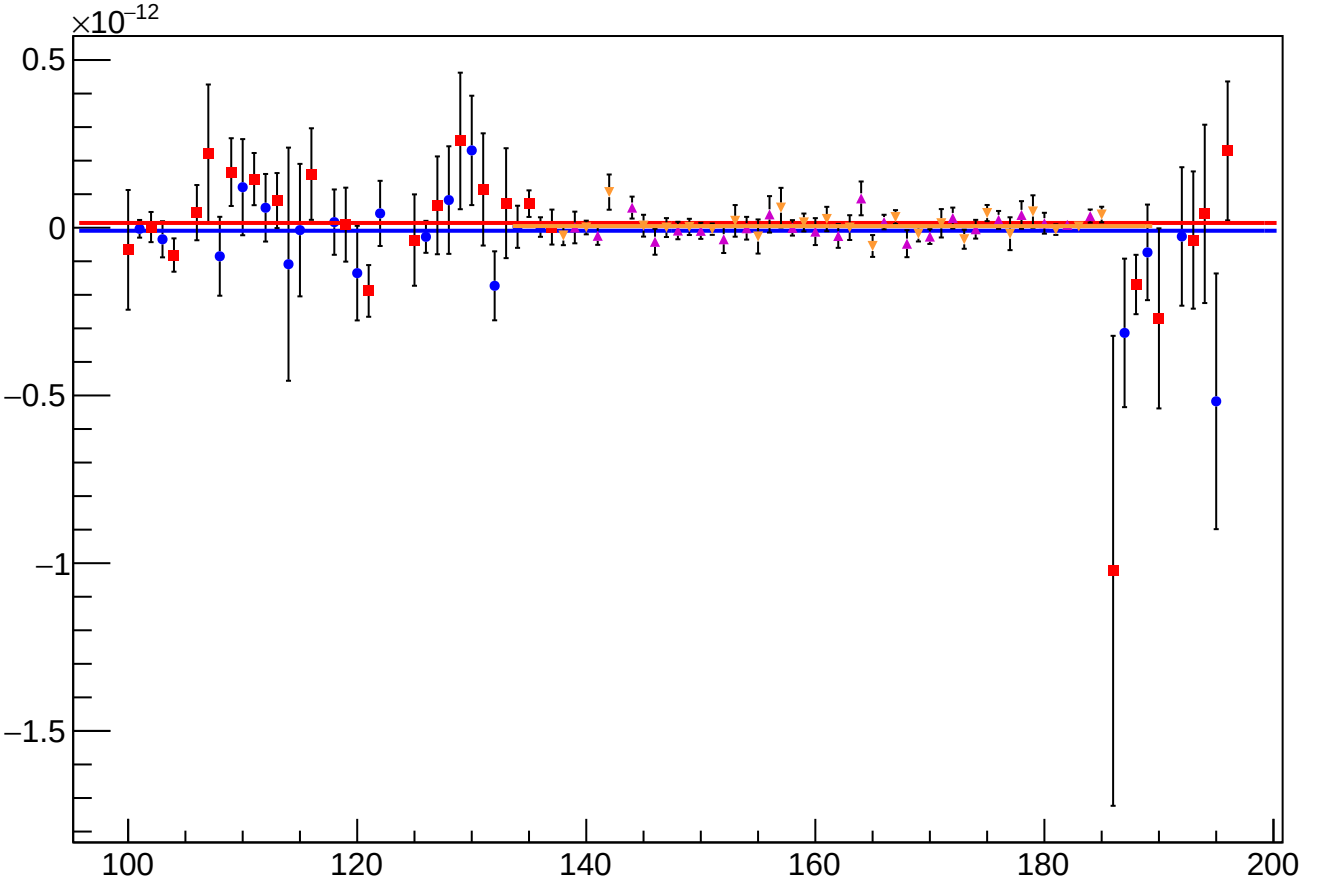
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1574.877+/-0.212 χ^2/NDF: 1344169.7/43

All: 1584.569+/-0.149 χ^2/NDF: 2789308.4/90

- 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: 12.5/19

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

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

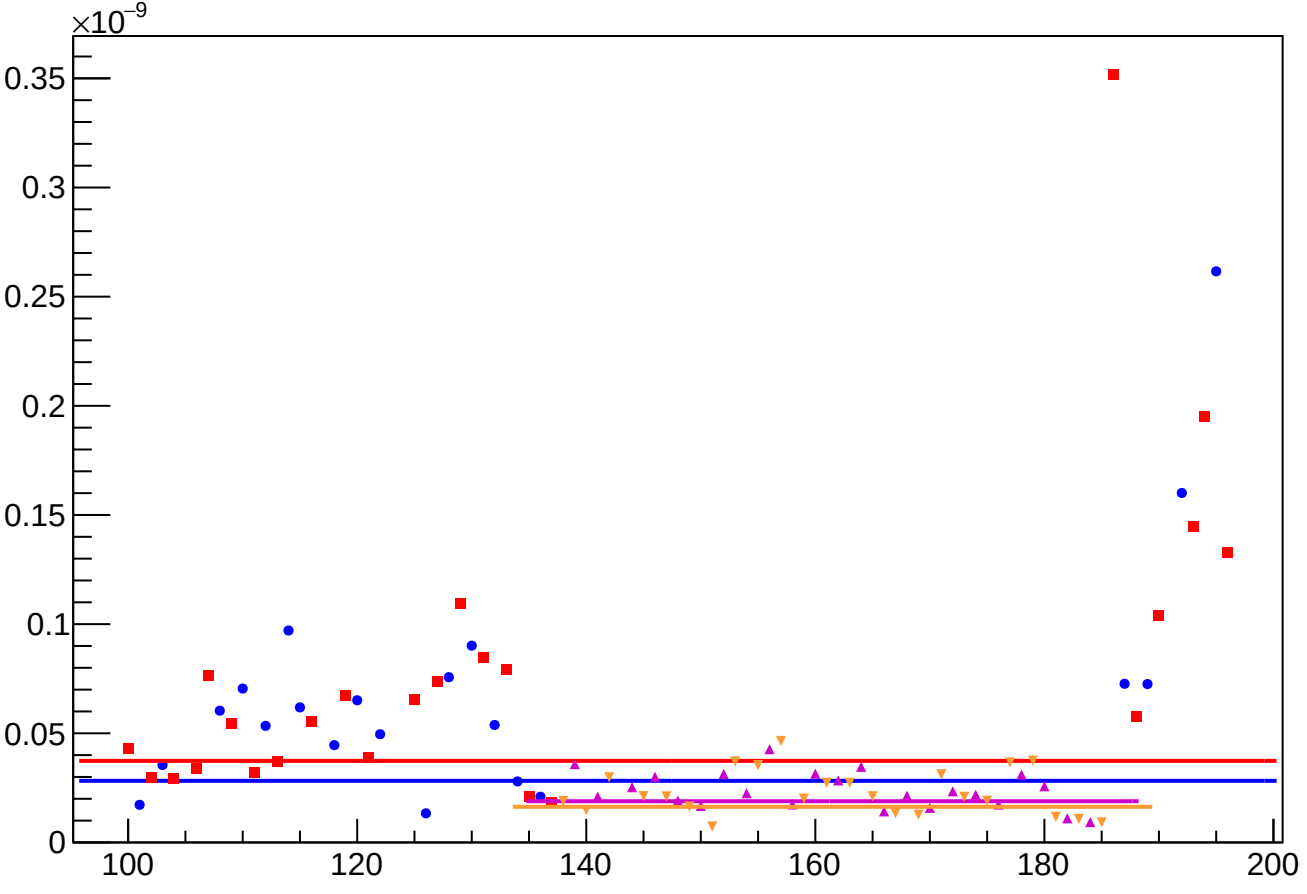
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/43

All: 0.000+/-0.000 χ^2/NDF: 86.0/90

- 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: 4006272.9/19

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

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

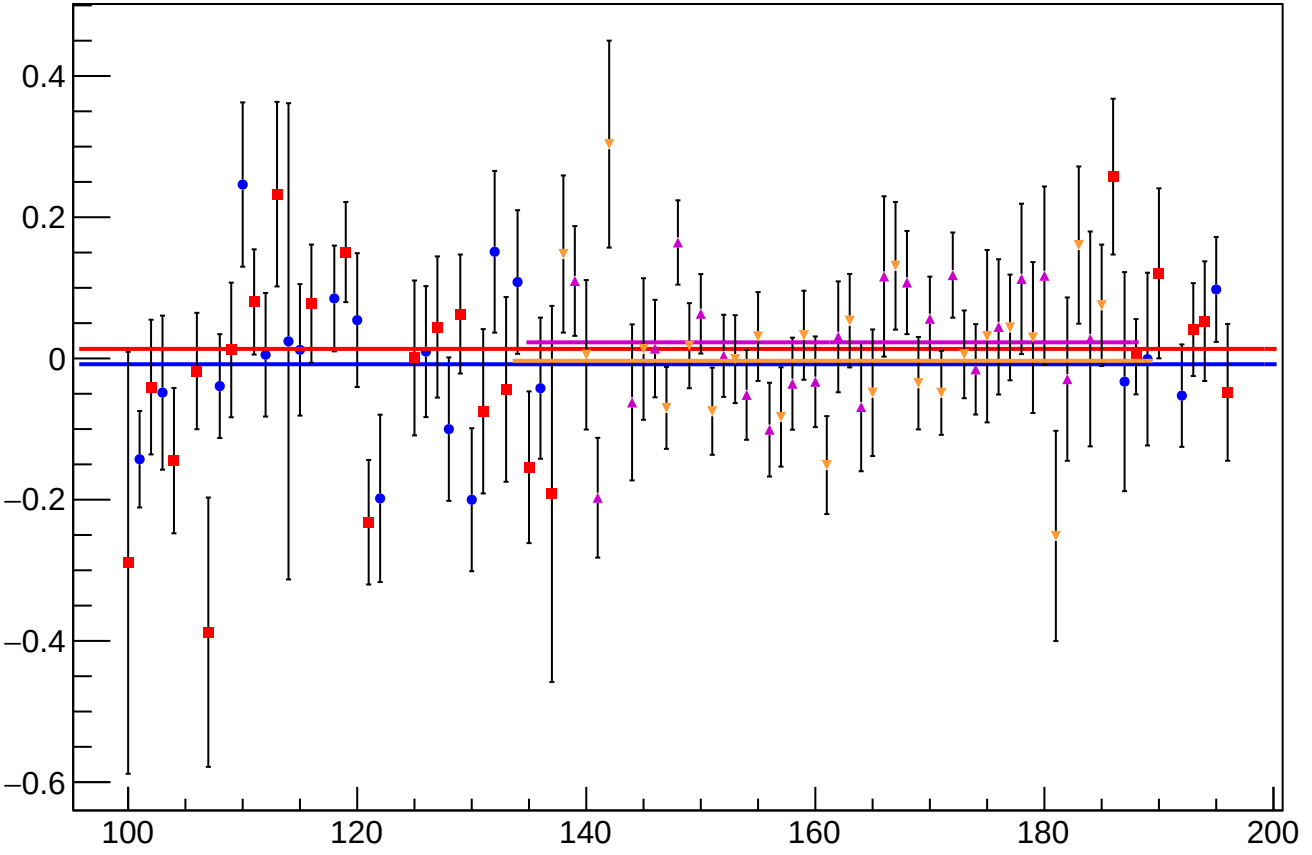
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9388173.5/43

All: 0.000+/-0.000 χ^2/NDF: 19075598.9/90

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

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

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

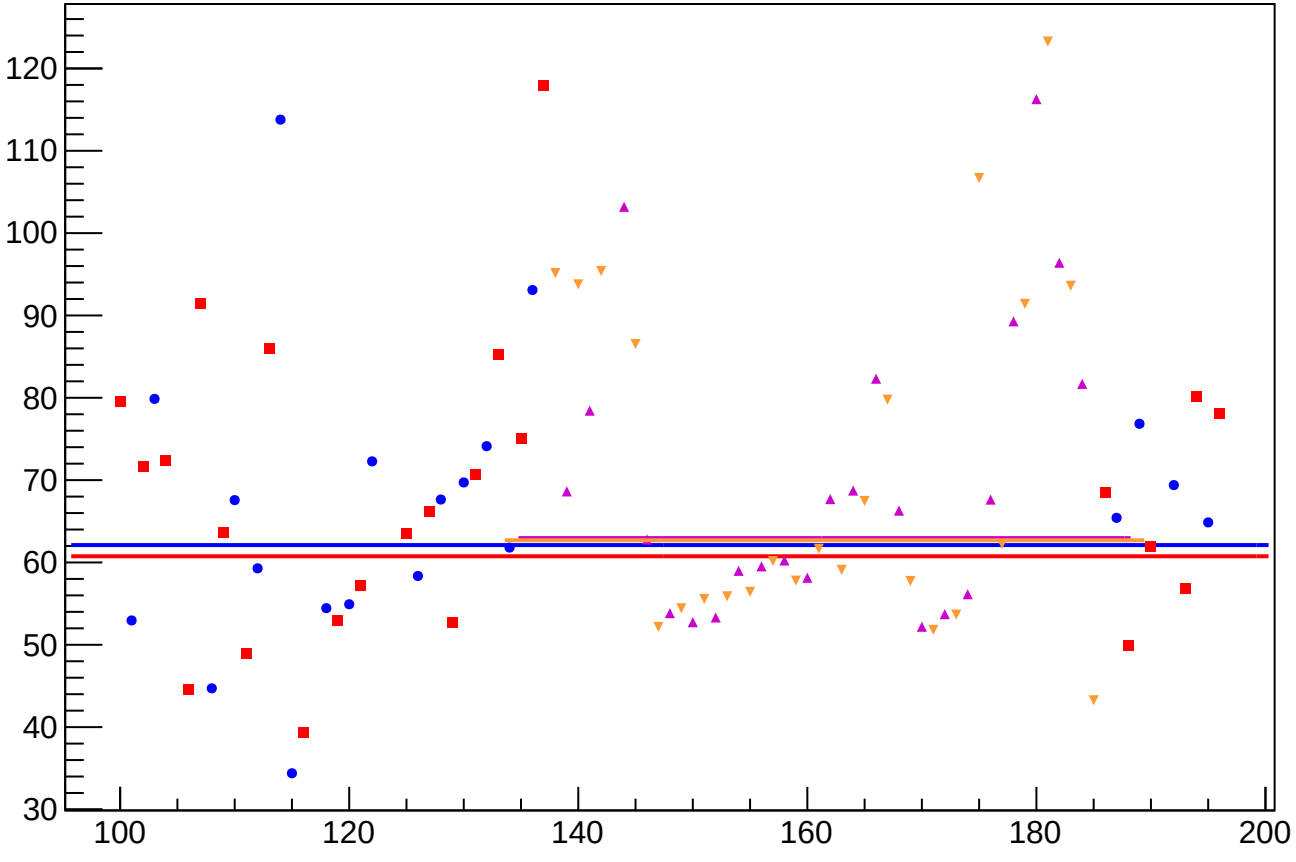
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.005+/-0.012 χ^2/NDF: 49.8/43

All: 0.008+/-0.009 χ^2/NDF: 115.6/90

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.111+/-0.015 χ^2/NDF: 766311.5/19

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

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

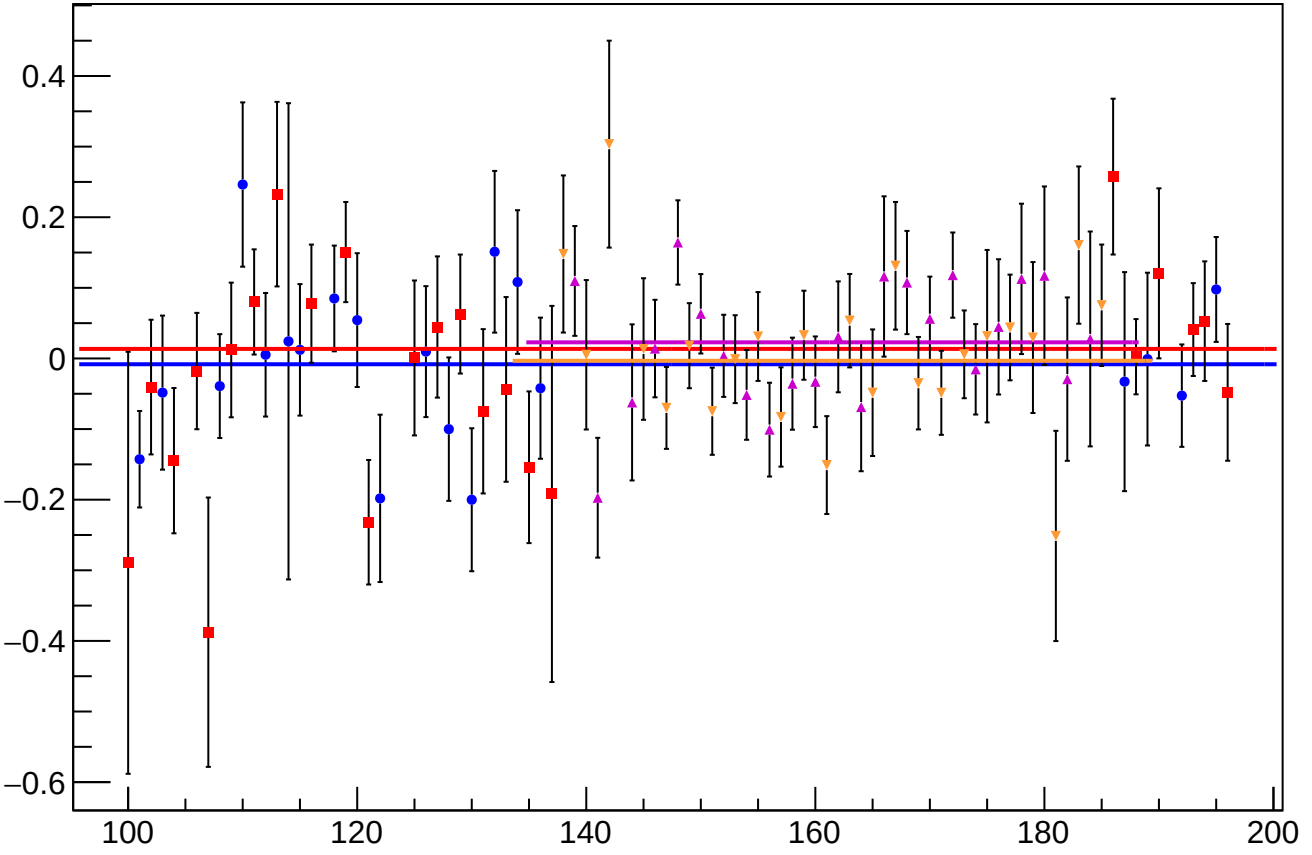
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 62.490+/-0.009 χ^2/NDF: 2706700.8/43

All: 62.277+/-0.006 χ^2/NDF: 5135027.3/90

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

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

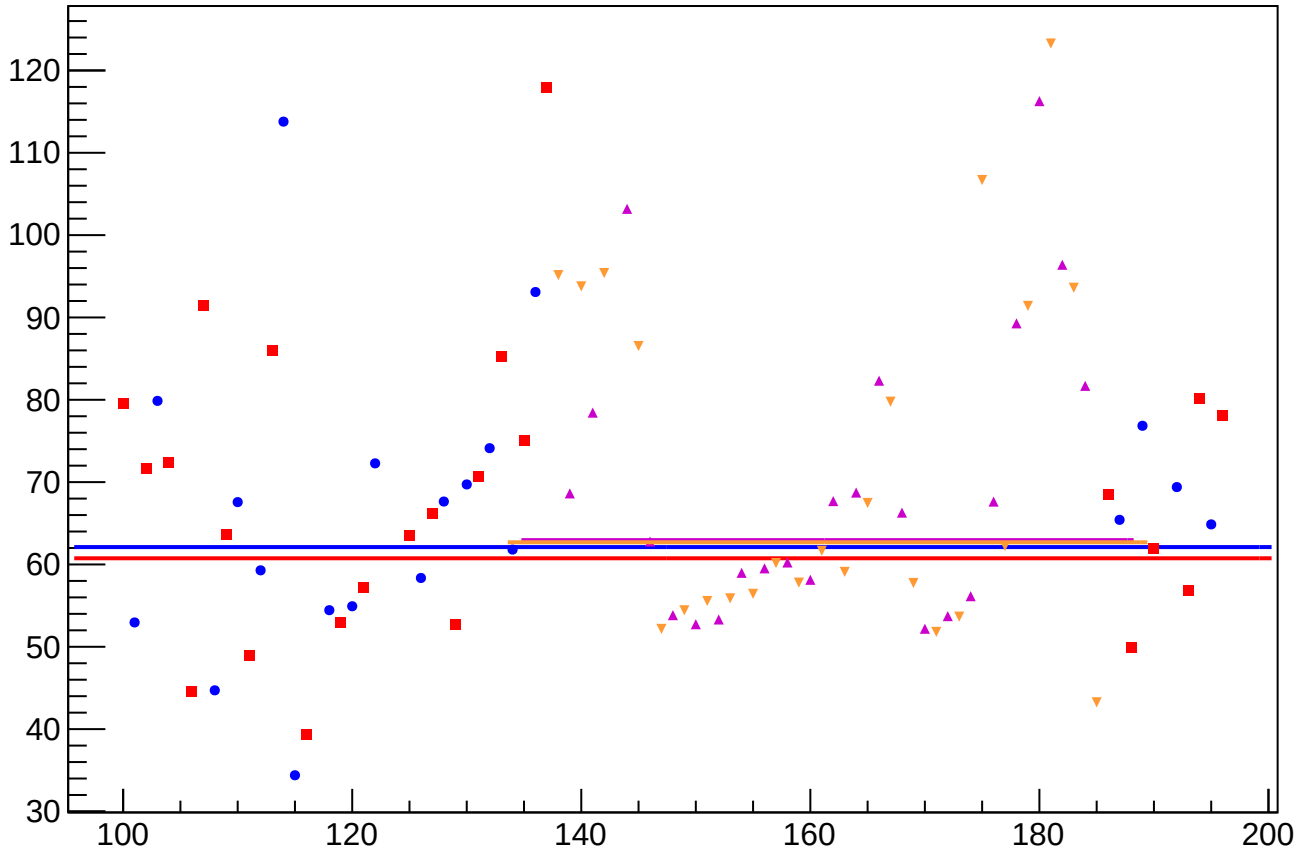
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.005+/-0.012 χ^2/NDF: 49.8/43

All: 0.008+/-0.009 χ^2/NDF: 115.6/90

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 62.111+/-0.015 χ^2/NDF: 766311.5/19

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

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

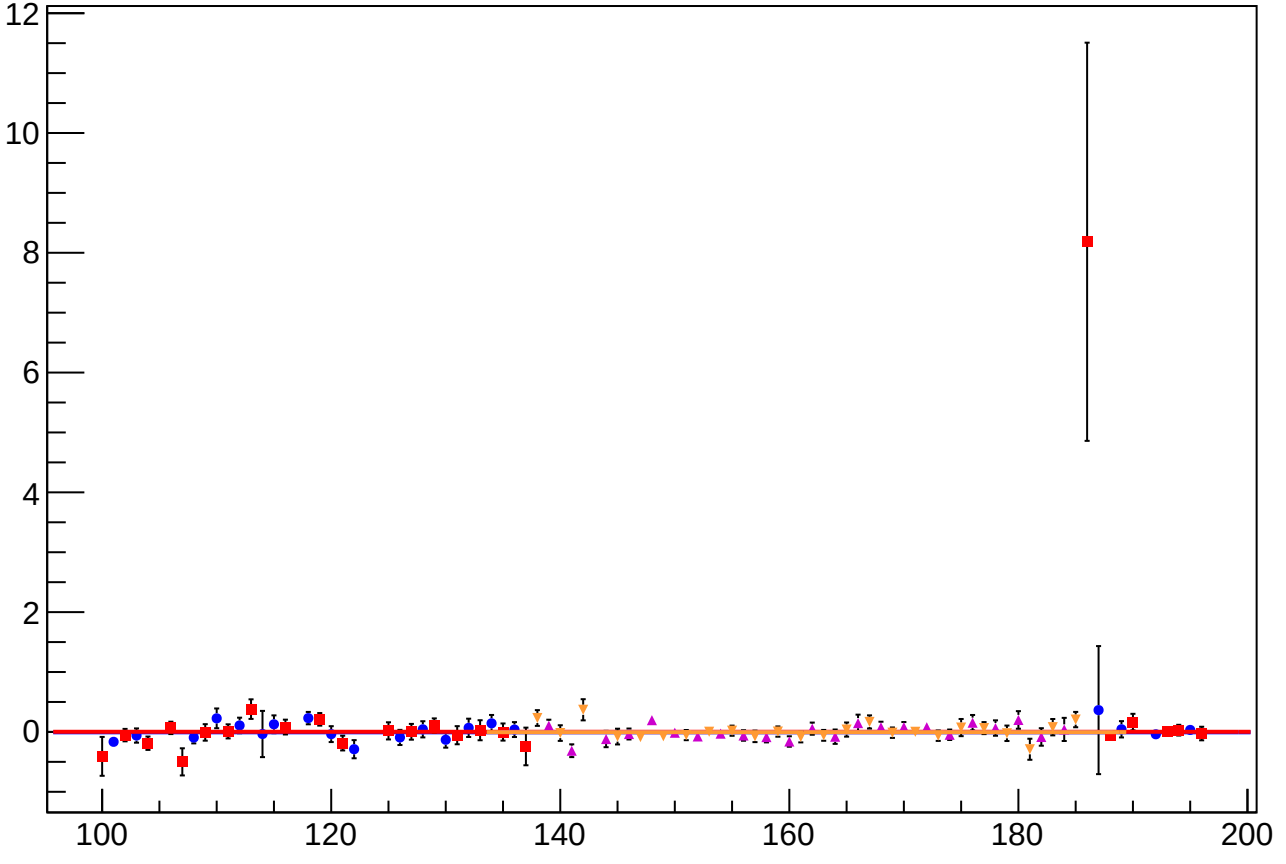
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.490+/-0.009 χ^2/NDF: 2706700.8/43

All: 62.277+/-0.006 χ^2/NDF: 5135027.3/90

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.027 χ^2/NDF: 20.8/19

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

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

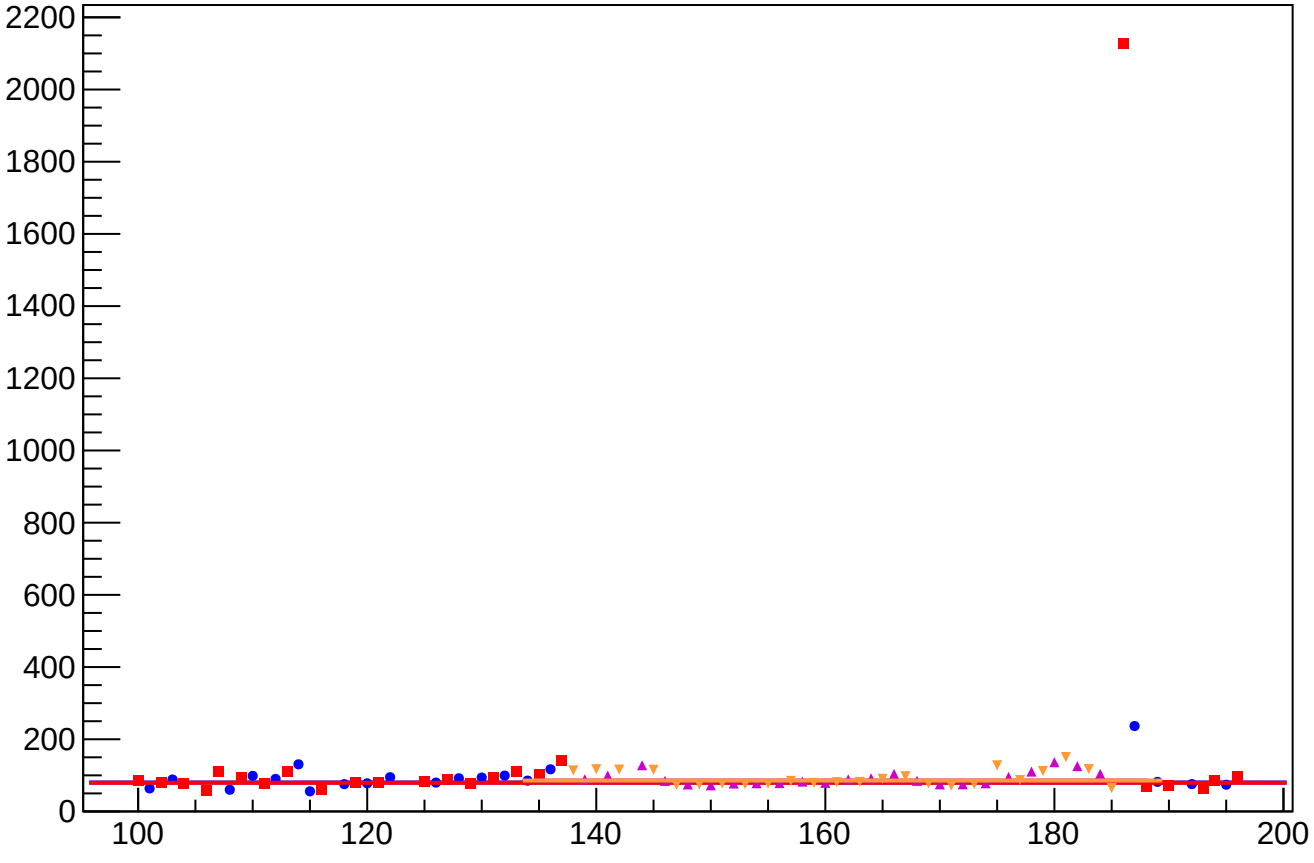
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.005+/-0.016 χ^2/NDF: 42.2/43

All: -0.003+/-0.011 χ^2/NDF: 104.9/90

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

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.274+/-0.019 χ^2/NDF: 626473.6/19

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

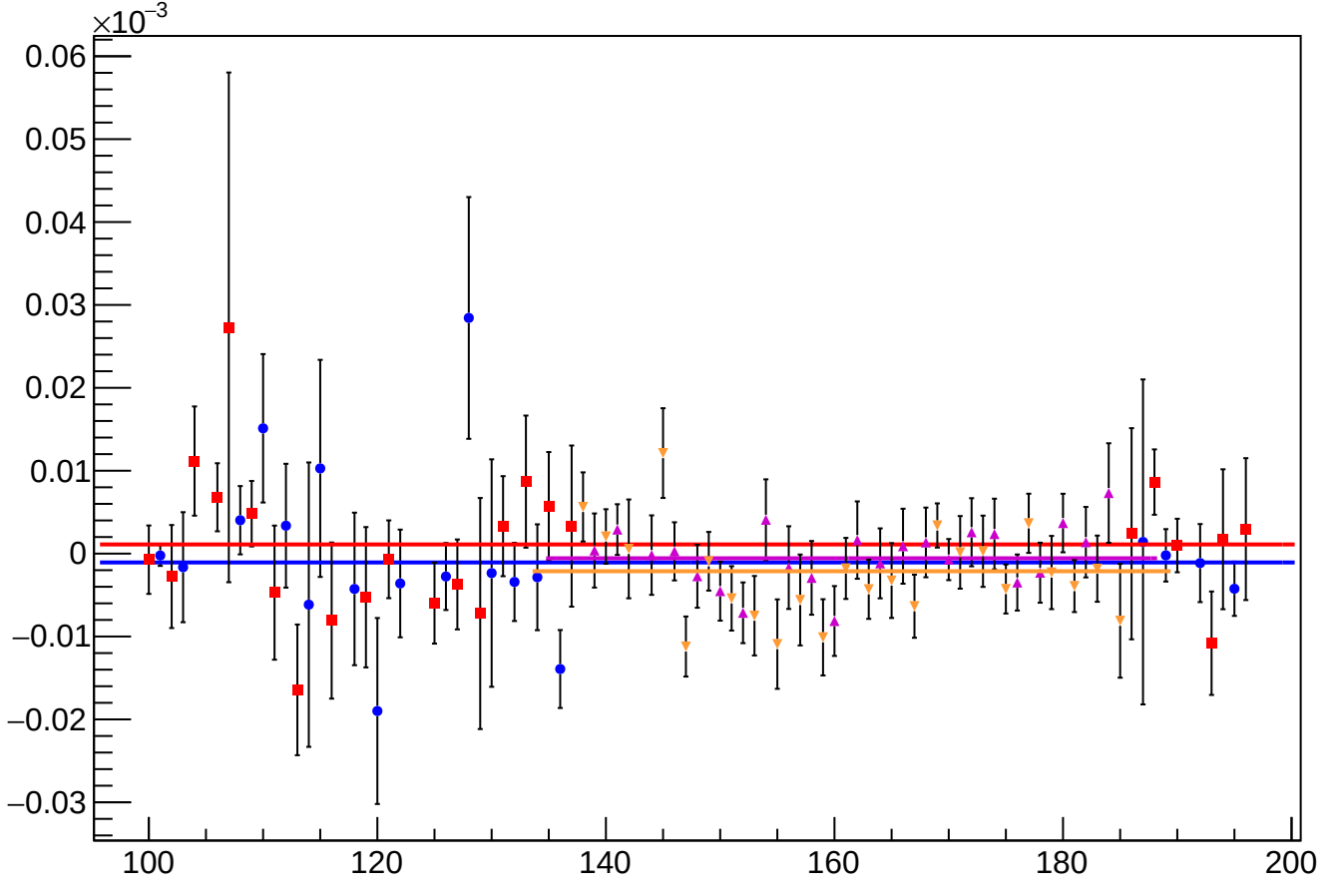
Right Out: 79.418+/-0.018 χ^2/NDF: 1457074.8/23

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

+ sign 83.673+/-0.012 χ^2/NDF: 2028925.6/43

All: 83.388+/-0.008 χ^2/NDF: 4557958.0/90

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



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/19

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

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

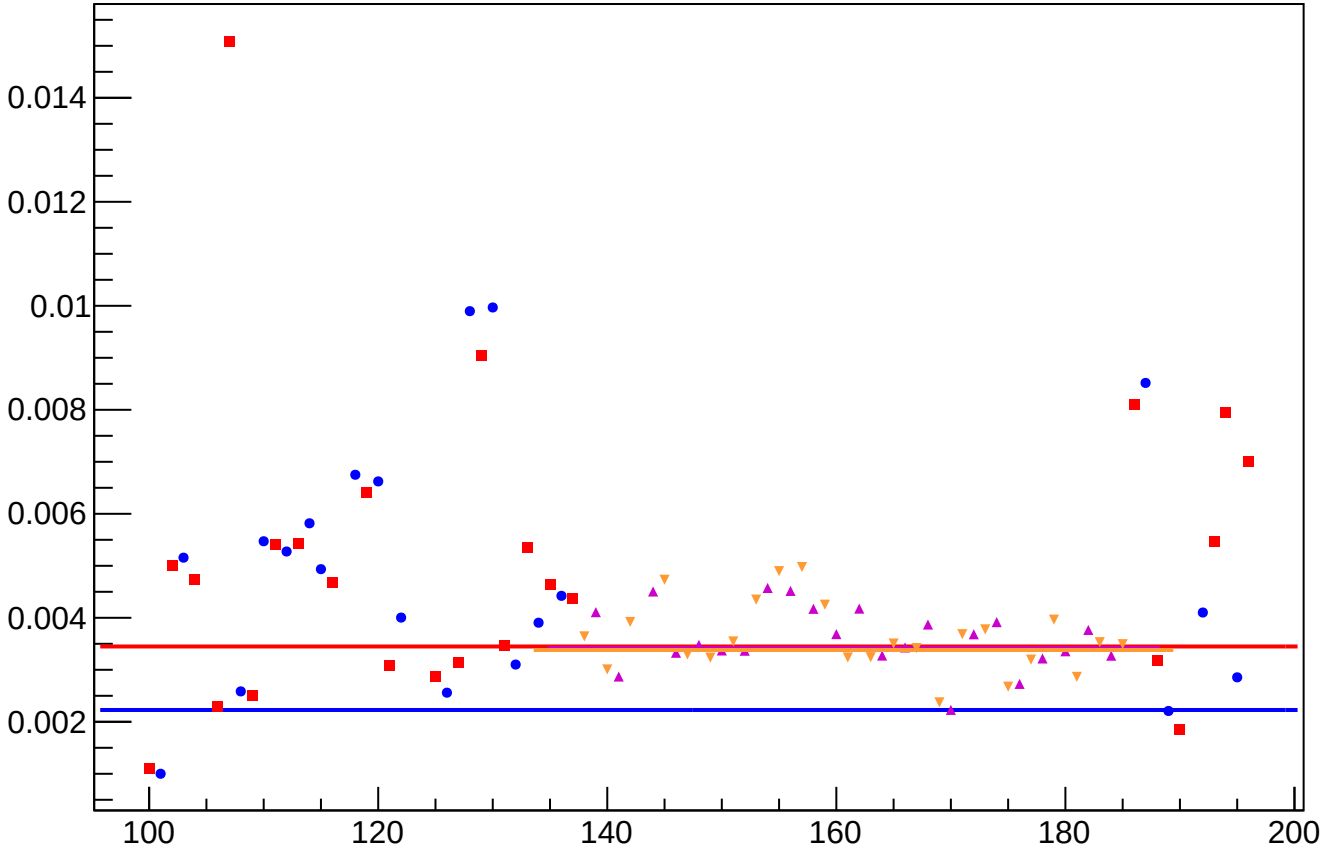
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/43

All: -0.000+/-0.000 χ^2/NDF: 107.6/90

- 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: 6460429.4/19

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

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

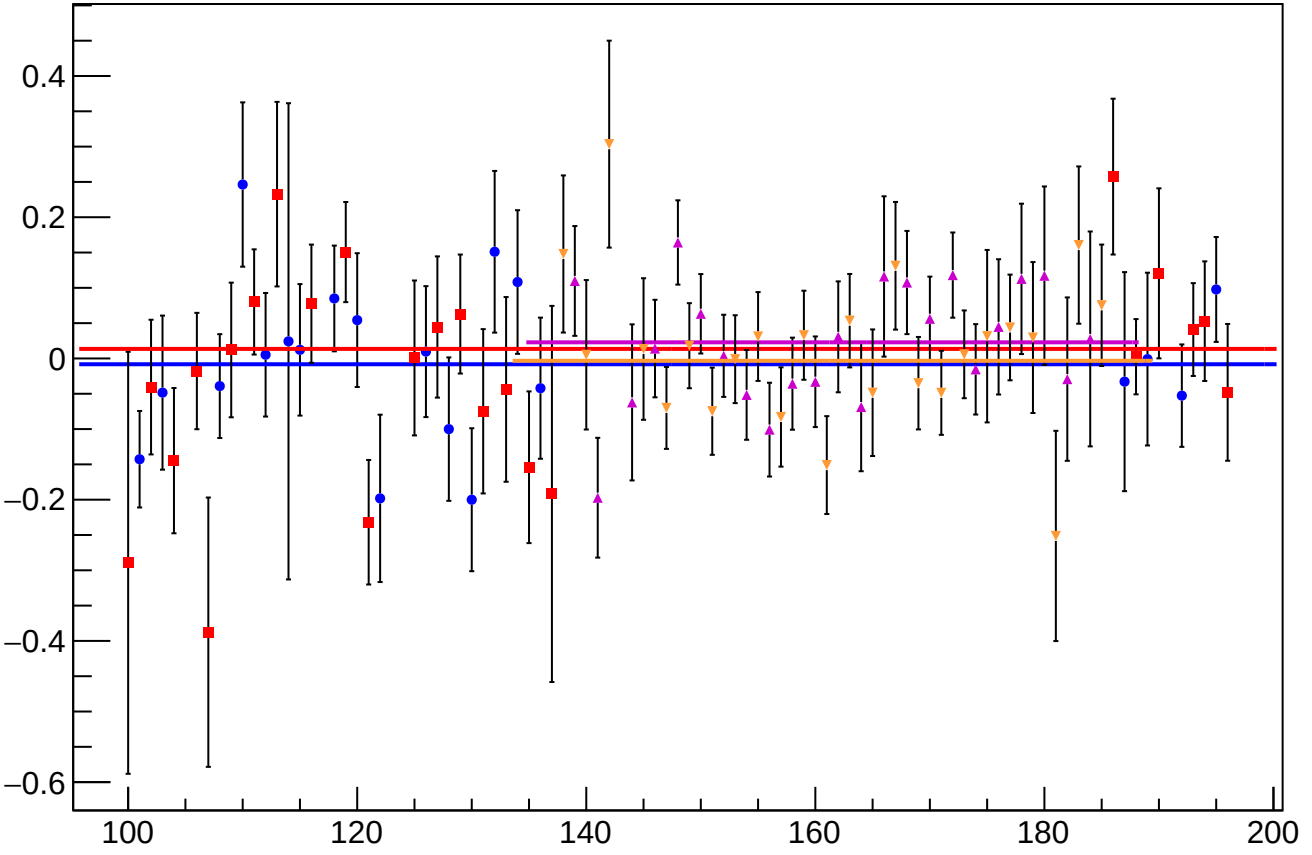
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9471061.8/43

All: 0.003+/-0.000 χ^2/NDF: 15784580.5/90

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

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

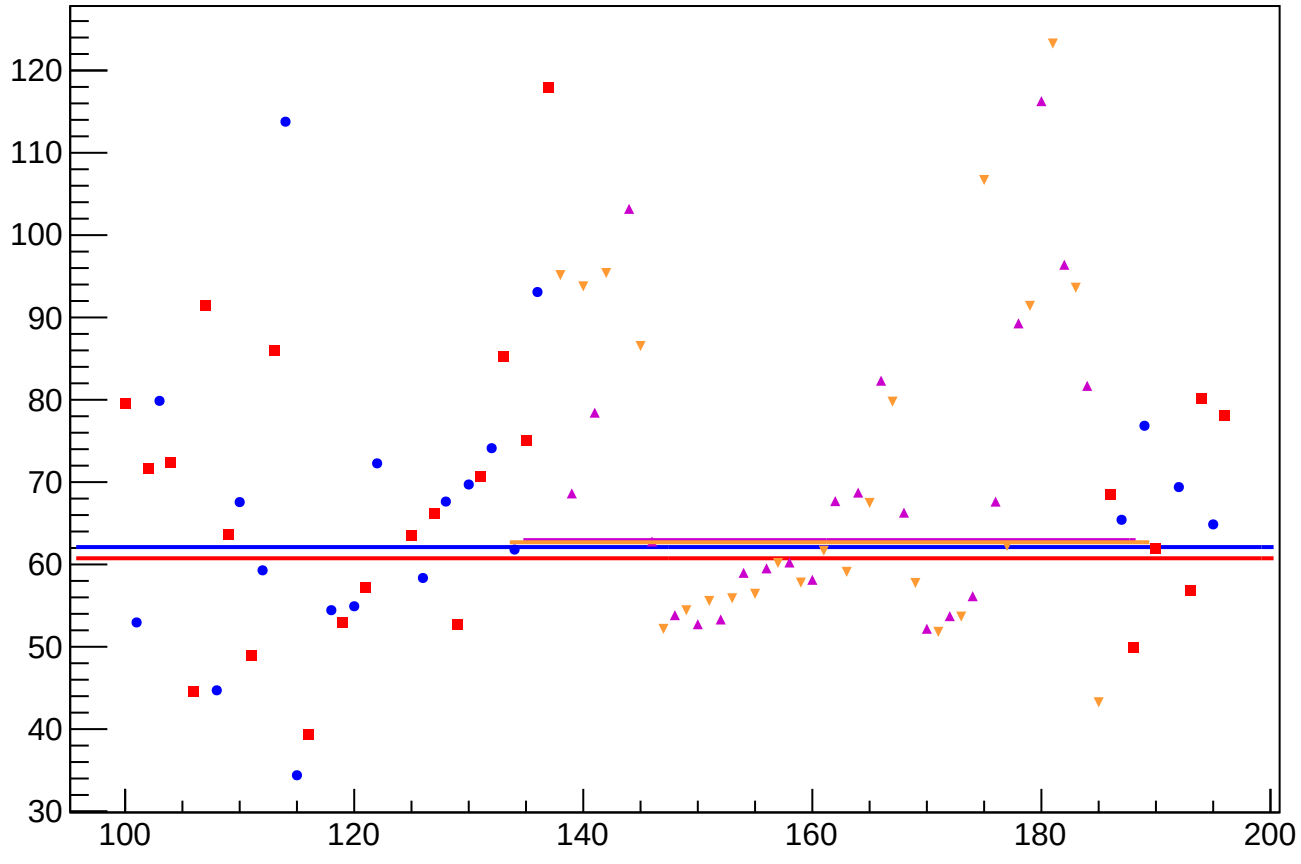
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.005+/-0.012 χ^2/NDF: 49.8/43

All: 0.008+/-0.009 χ^2/NDF: 115.6/90

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 62.110+/-0.015 χ^2/NDF: 766342.8/19

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

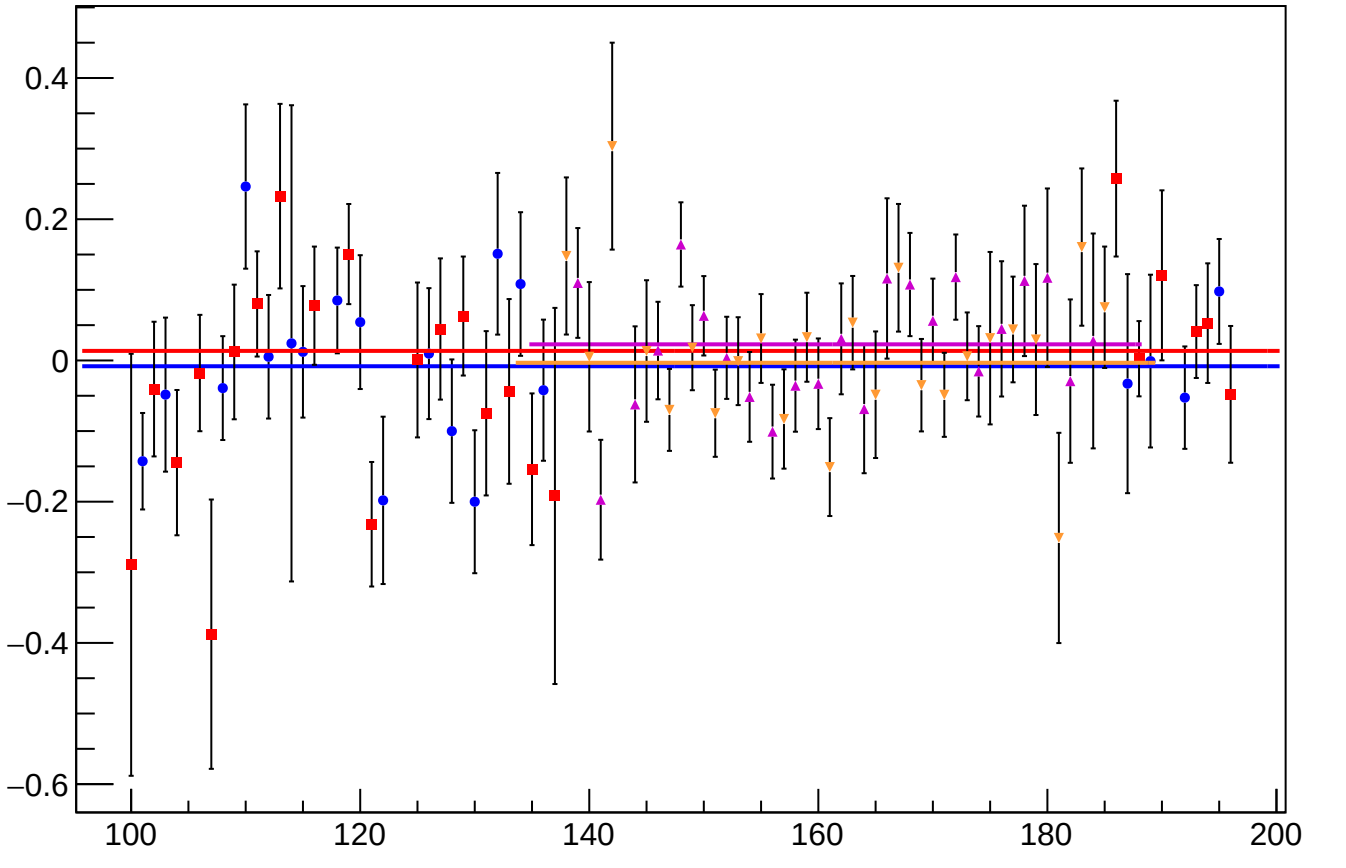
Right Out: 60.749+/-0.013 χ^2/NDF: 980616.1/23

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

+ sign 62.490+/-0.009 χ^2/NDF: 2706719.8/43

All: 62.277+/-0.006 χ^2/NDF: 5134994.4/90

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



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

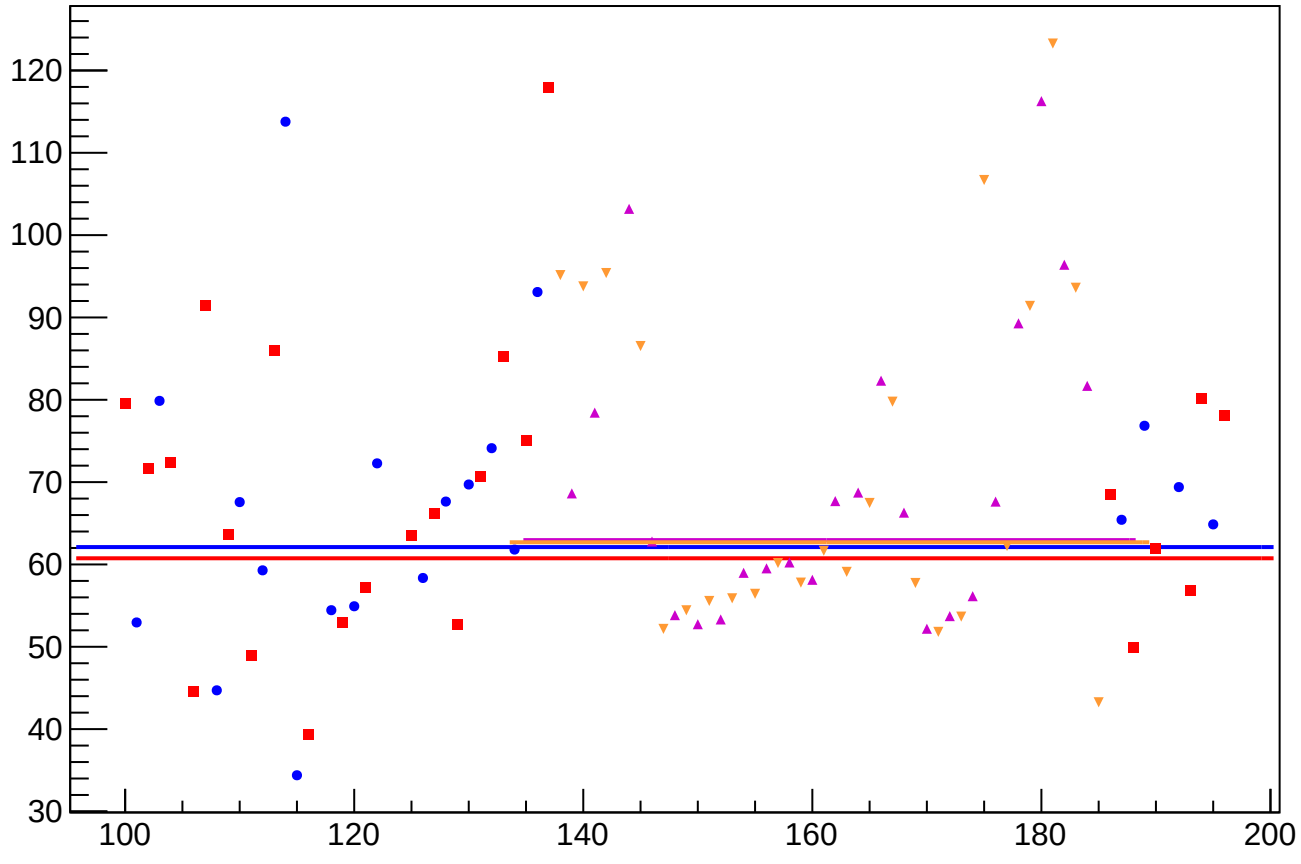
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.005+/-0.012 χ^2/NDF: 49.8/43

All: 0.008+/-0.009 χ^2/NDF: 115.6/90

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 62.110+/-0.015 χ^2/NDF: 766342.8/19

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

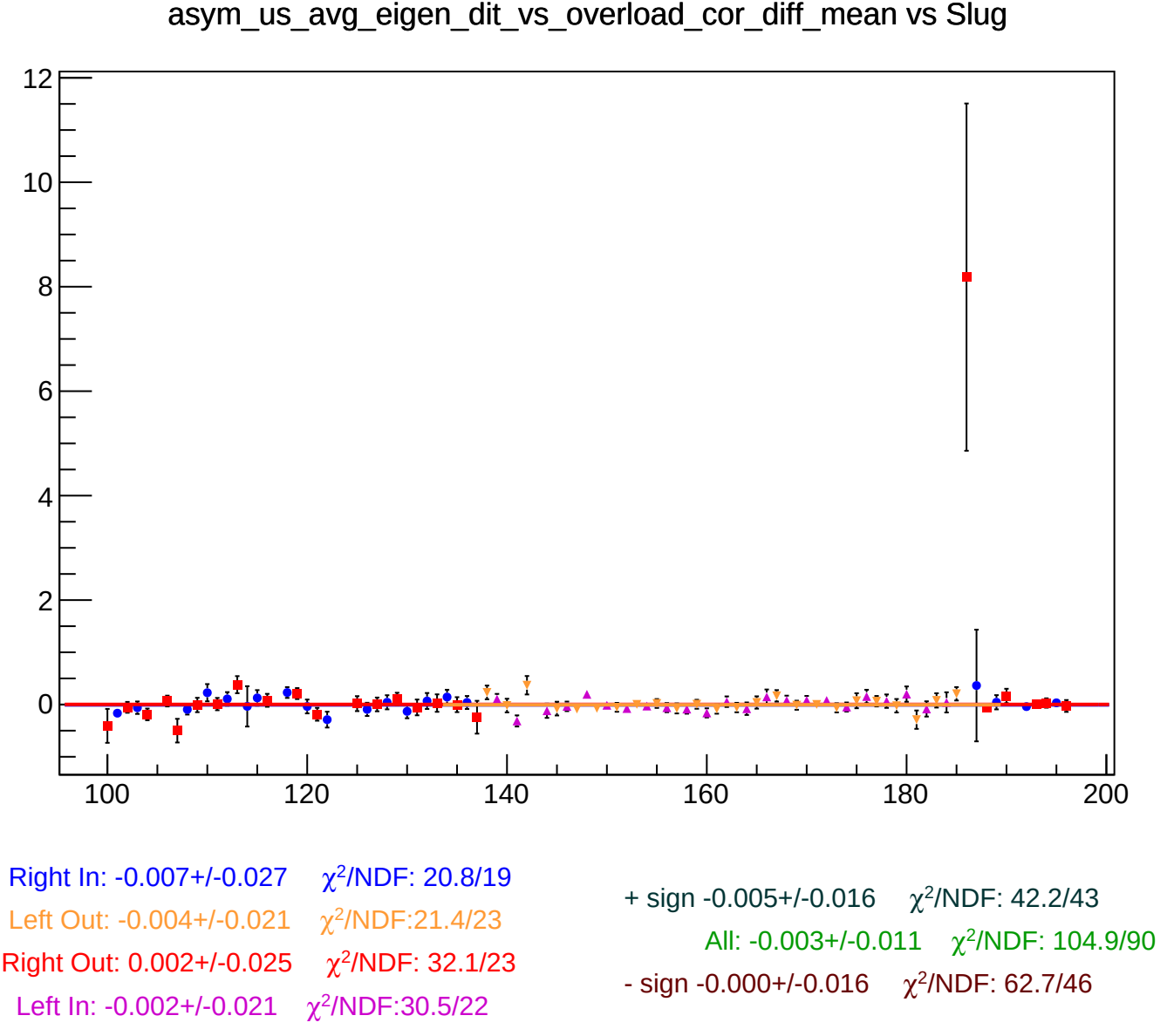
Right Out: 60.749+/-0.013 χ^2/NDF: 980616.1/23

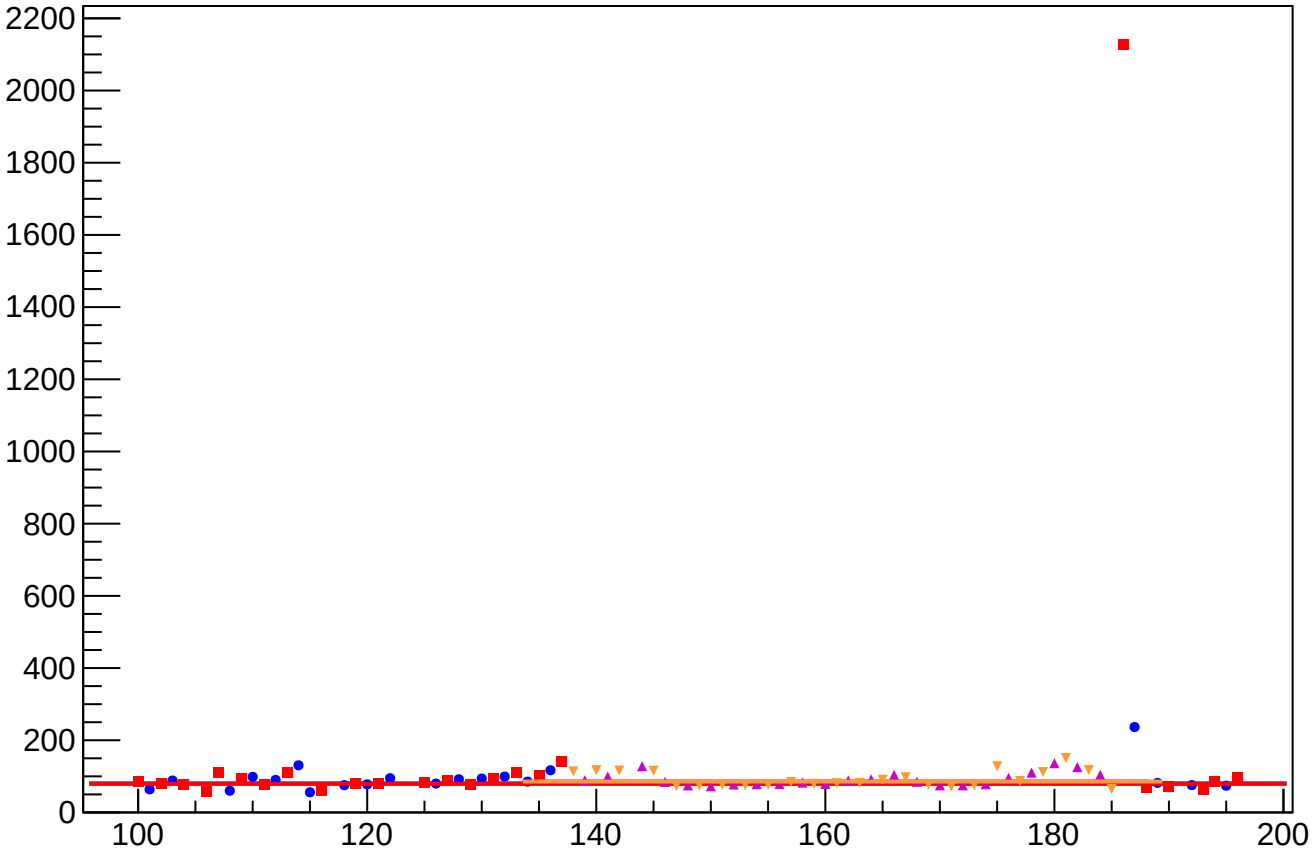
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

\+ sign 62.490+/-0.009 χ^2/NDF: 2706719.8/43

All: 62.277+/-0.006 χ^2/NDF: 5134994.4/90

\- 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: -0.007+/-0.027 χ2/NDF: 20.8/19
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 -0.005+/-0.016 χ2/NDF: 42.2/43
All: -0.003+/-0.011 χ2/NDF: 104.9/90
- sign -0.000+/-0.016 χ2/NDF: 62.7/46



Right In: 80.274+/-0.019 χ^2/NDF: 626461.7/19

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

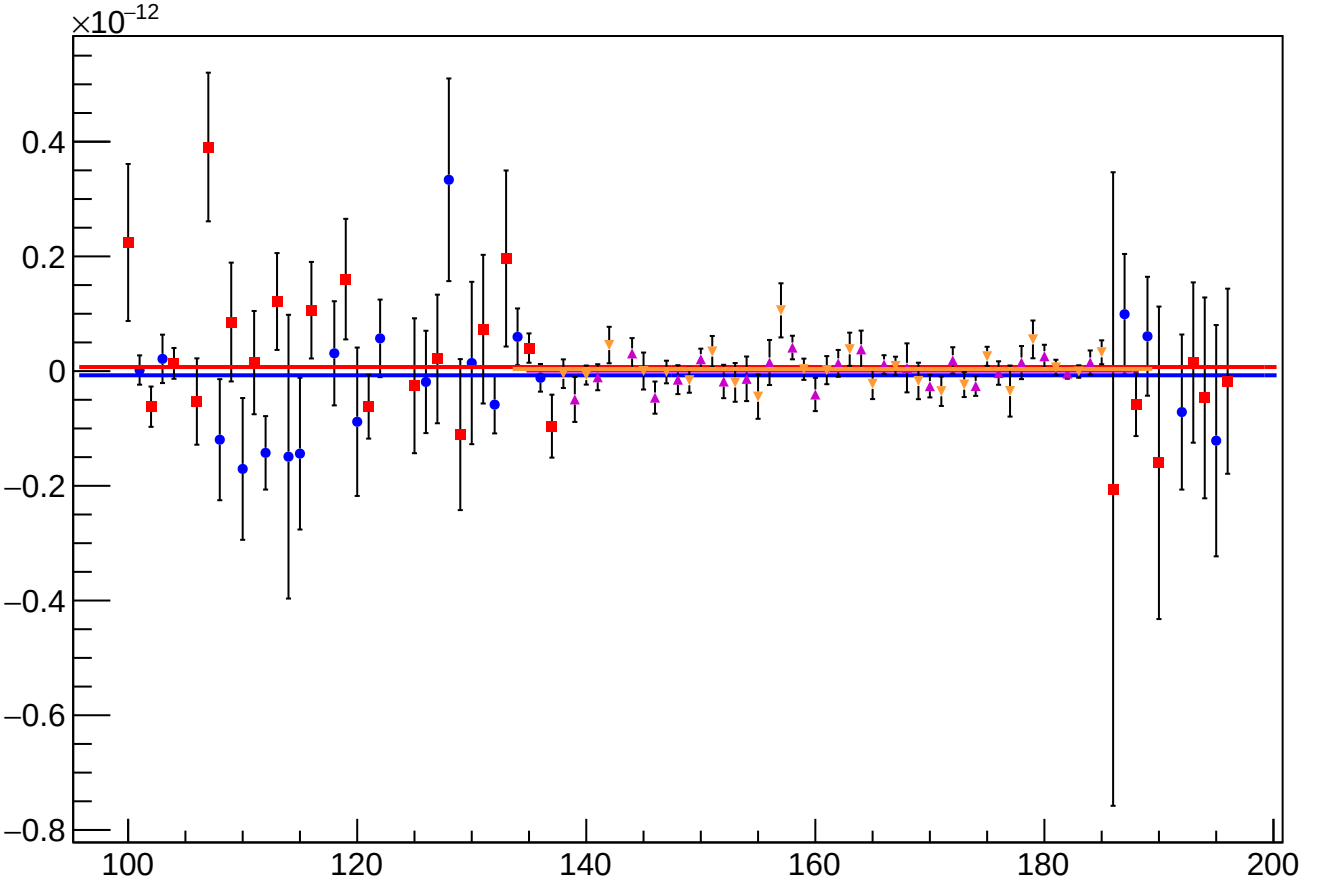
Right Out: 79.417+/-0.018 χ^2/NDF: 1457042.9/23

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

+ sign 83.673+/-0.012 χ^2/NDF: 2028924.7/43

All: 83.387+/-0.008 χ^2/NDF: 4557937.7/90

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



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/19

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

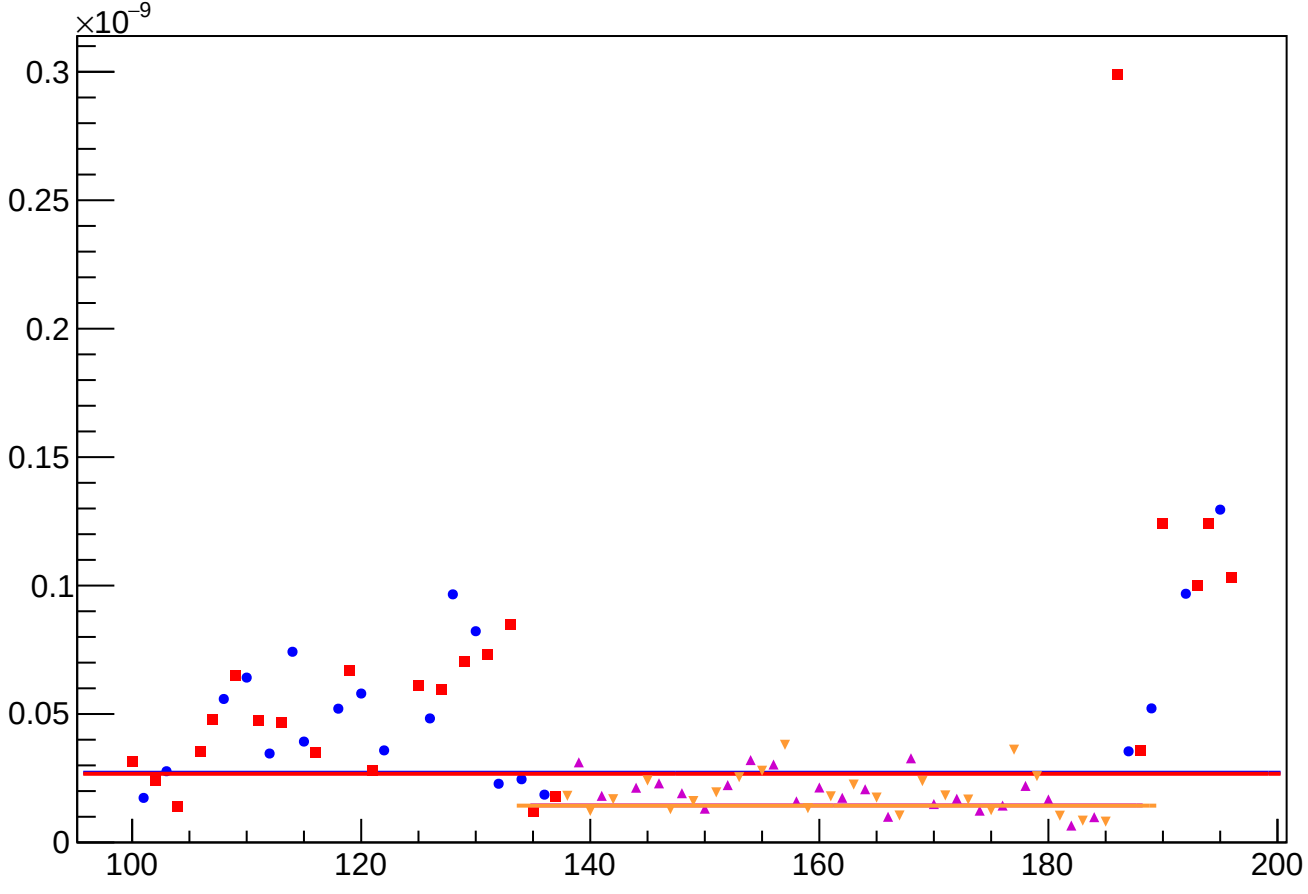
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.1/43

All: 0.000+/-0.000 χ^2/NDF: 102.2/90

- sign 0.000+/-0.000 χ^2/NDF: 57.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3207225.5/19

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

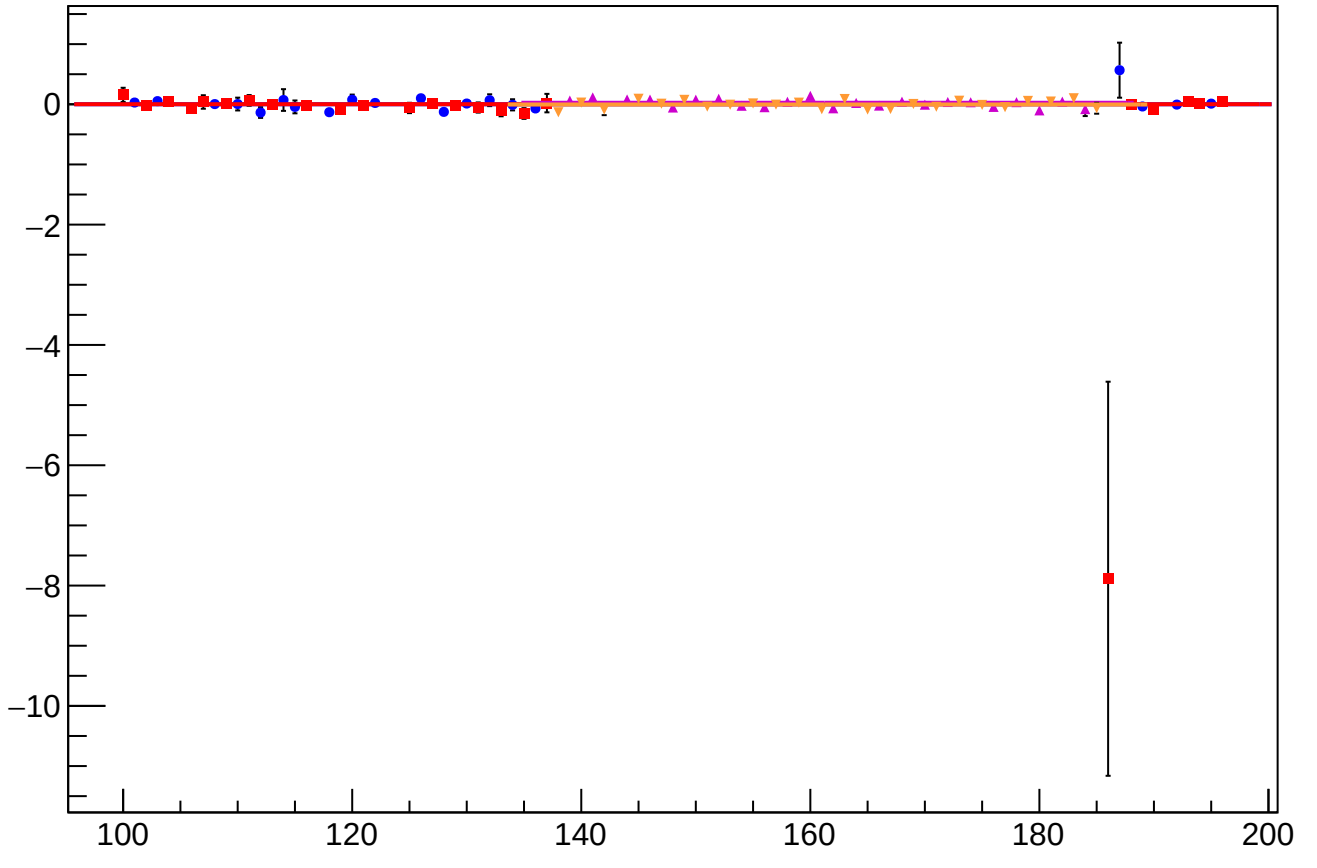
Right Out: 0.000+/-0.000 χ^2/NDF: 5580576.8/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 8575185.7/43

All: 0.000+/-0.000 χ^2/NDF: 20048674.6/90

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



Right In: 0.001+/-0.012 χ^2/NDF: 18.2/19

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

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

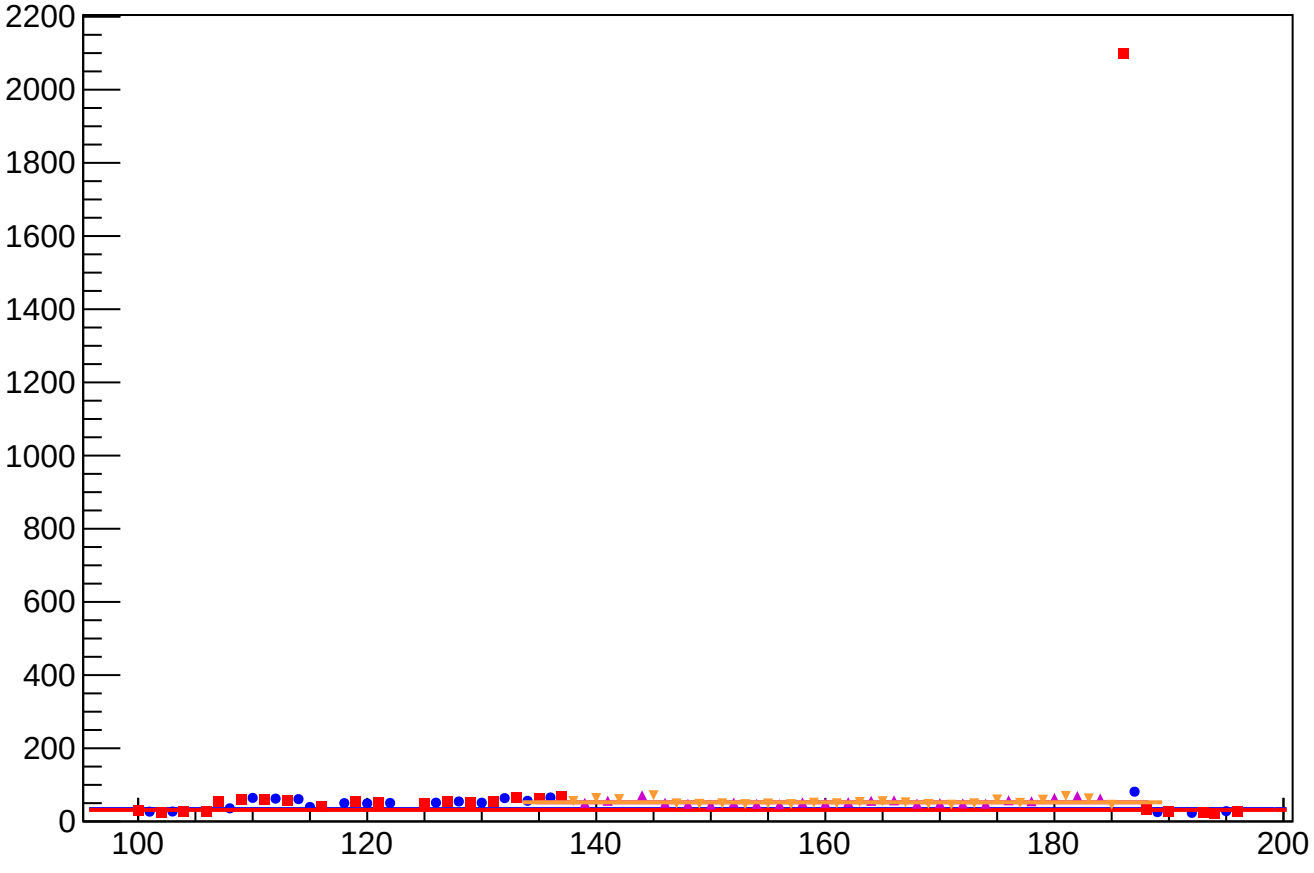
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.001+/-0.009 χ^2/NDF: 41.4/43

All: 0.005+/-0.006 χ^2/NDF: 97.4/90

- sign 0.011+/-0.008 χ^2/NDF: 54.9/46

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.764+/-0.008 χ^2/NDF: 2433847.5/19

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

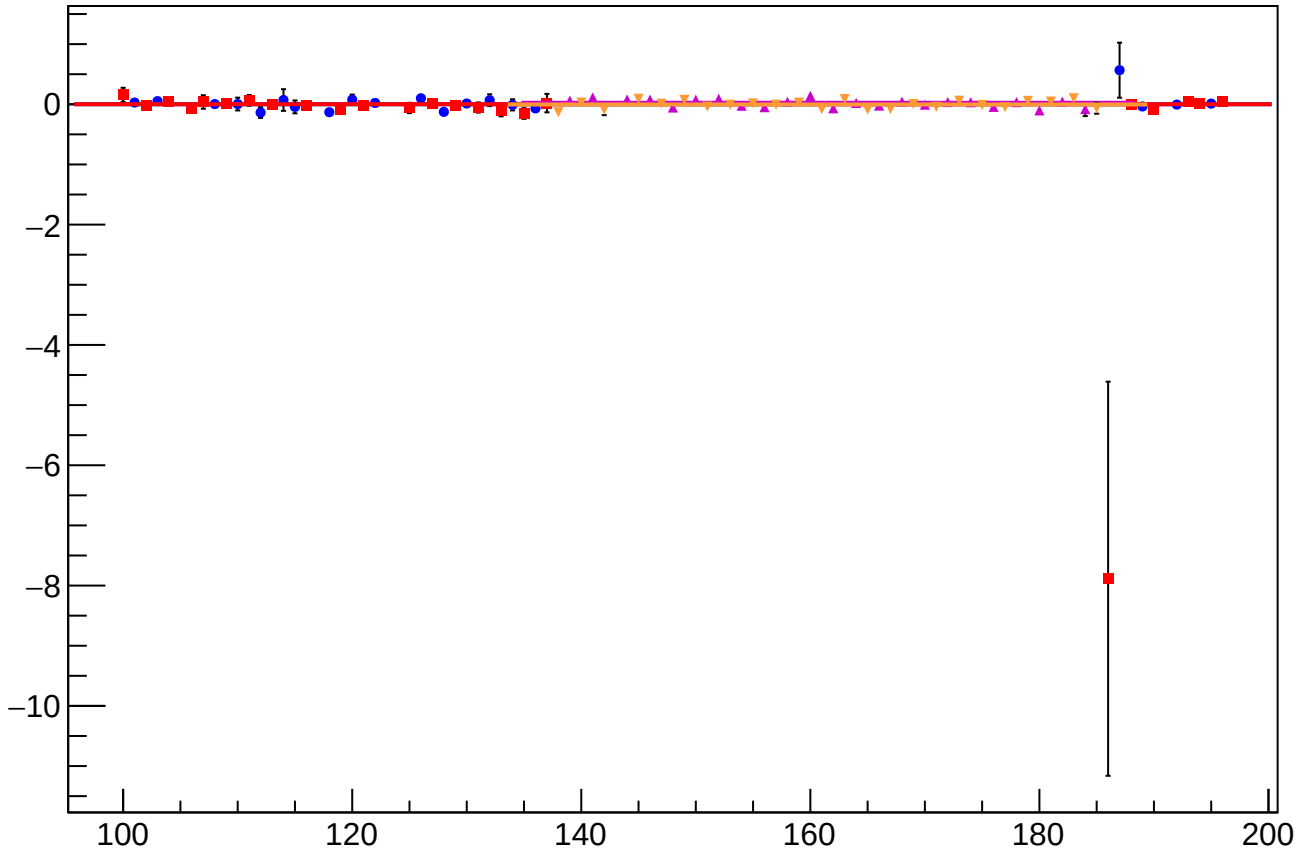
Right Out: 31.570+/-0.007 χ^2/NDF: 3577704.7/23

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

+ sign 42.731+/-0.006 χ^2/NDF: 5279364.7/43

All: 41.369+/-0.004 χ^2/NDF: 12681081.6/90

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



Right In: 0.001+/-0.012 χ^2/NDF: 18.2/19

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

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

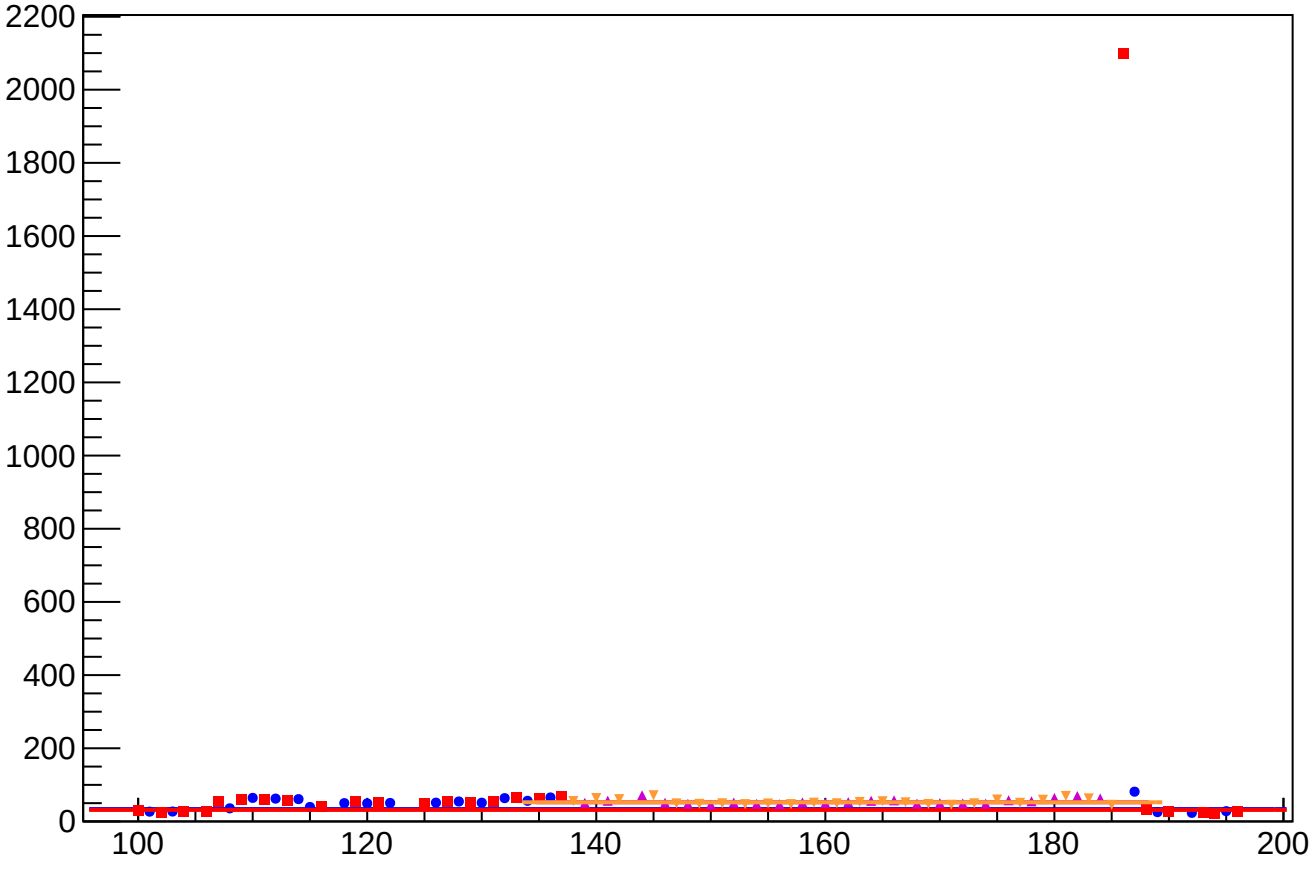
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.001+/-0.009 χ^2/NDF: 41.4/43

All: 0.005+/-0.006 χ^2/NDF: 97.4/90

- 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: 33.764+/-0.008 χ^2/NDF: 2433847.5/19

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

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

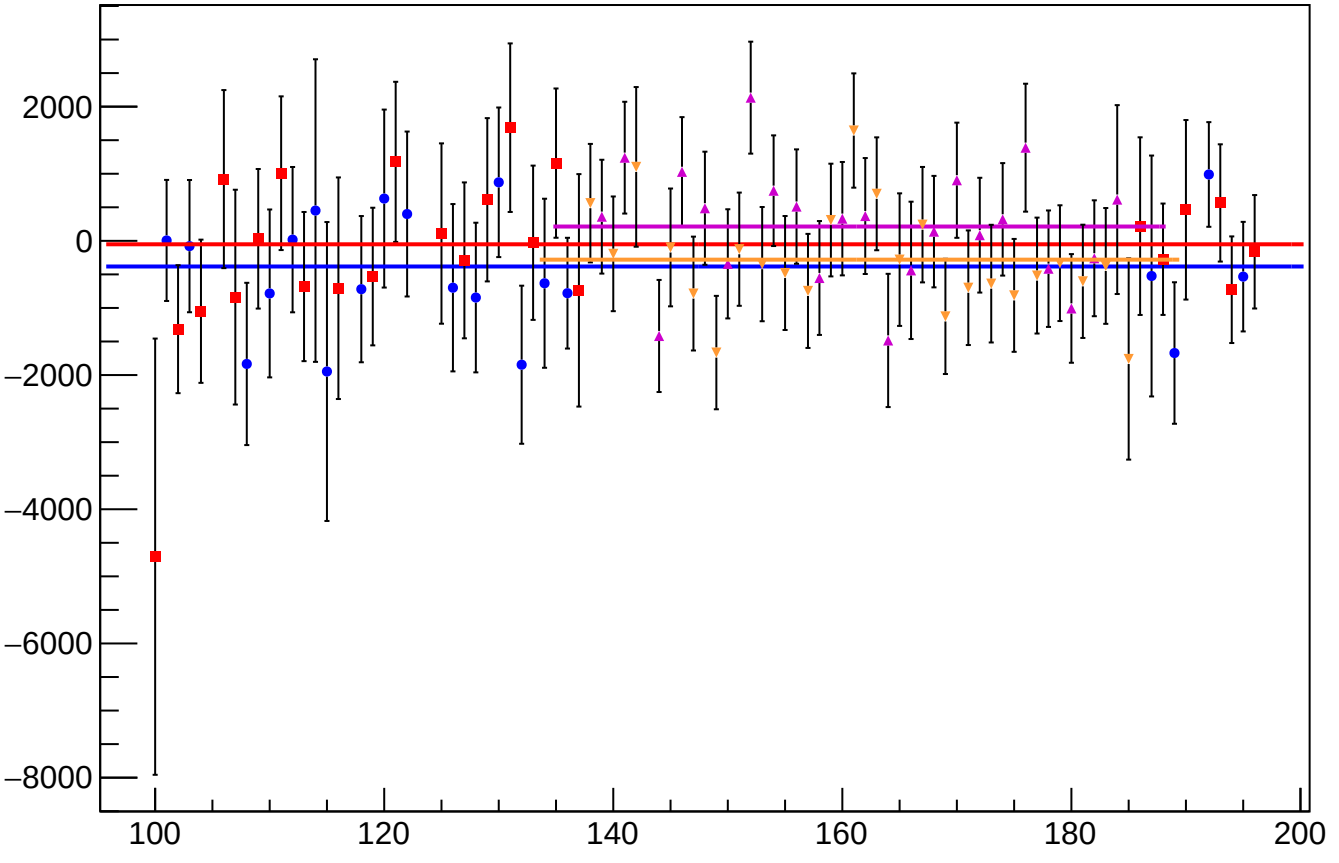
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 42.731+/-0.006 χ^2/NDF: 5279364.7/43

All: 41.369+/-0.004 χ^2/NDF: 12681081.6/90

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

reg_asym_us_dd_mean vs Slug



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

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

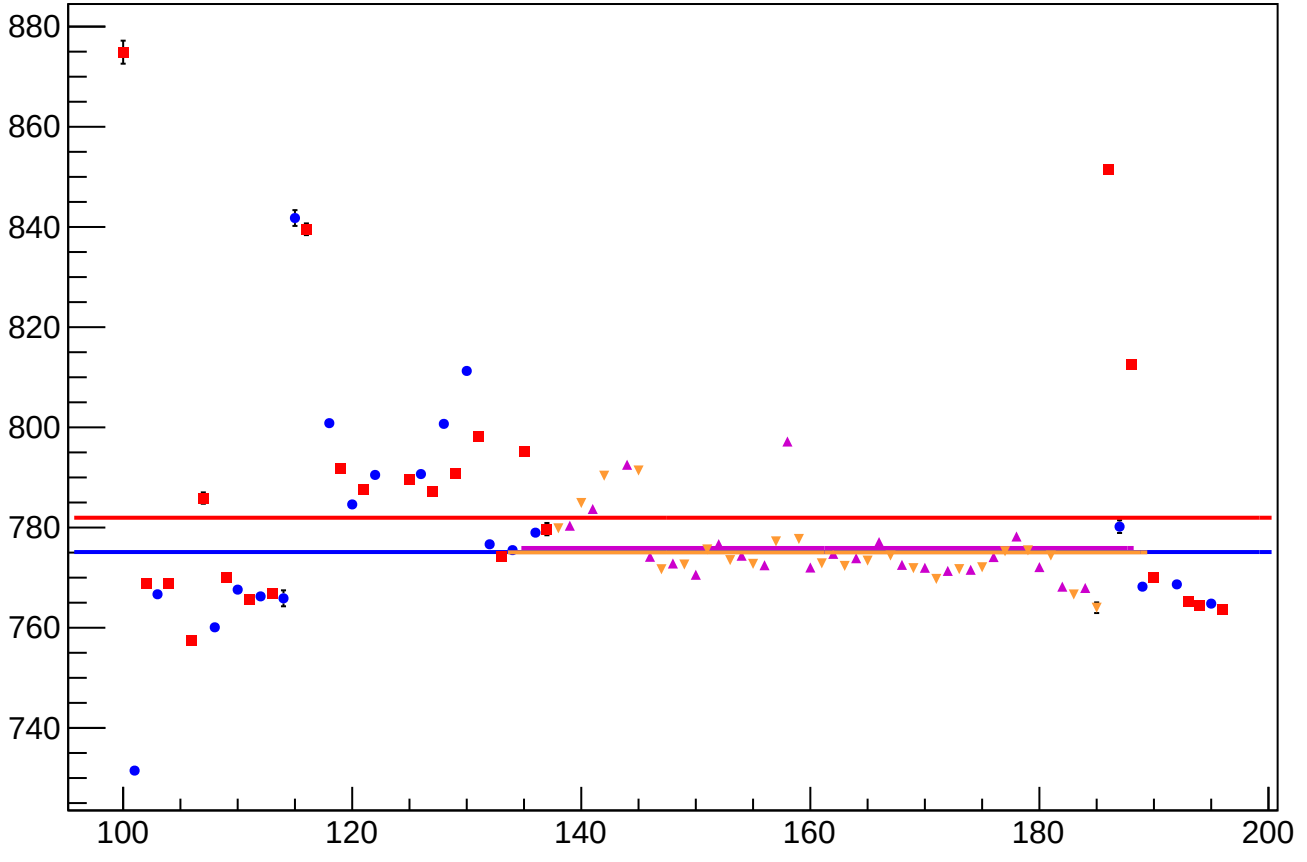
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -315.562+/-145.500 χ^2/NDF: 27.8/43

All: -97.011+/-101.730 χ^2/NDF: 68.6/90

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

reg_asym_us_dd_rms vs Slug



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

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

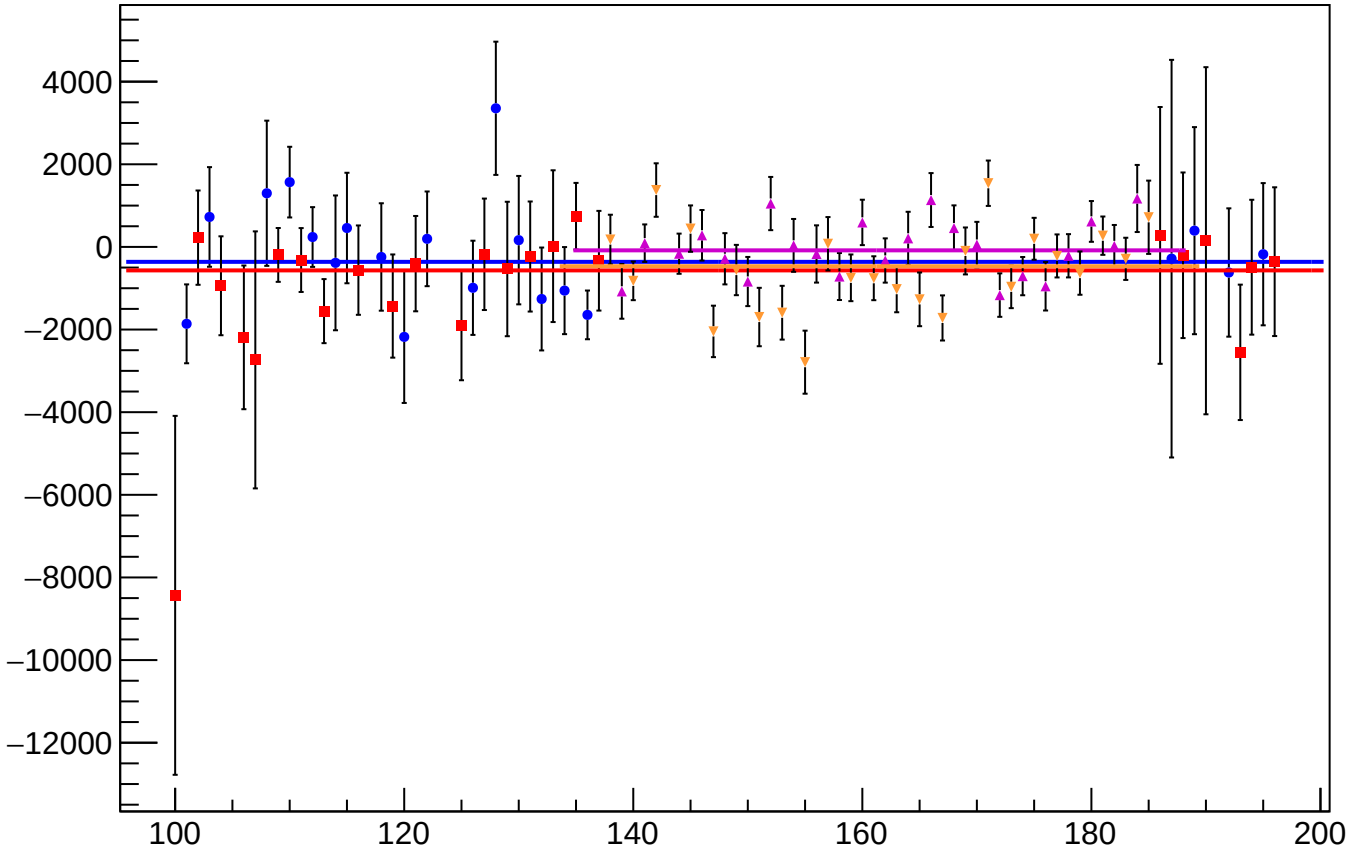
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.071+/-0.103 χ^2/NDF: 14721.1/43

All: 776.689+/-0.072 χ^2/NDF: 37717.3/90

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

asym_us_dd_reg_correction_mean vs Slug



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

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

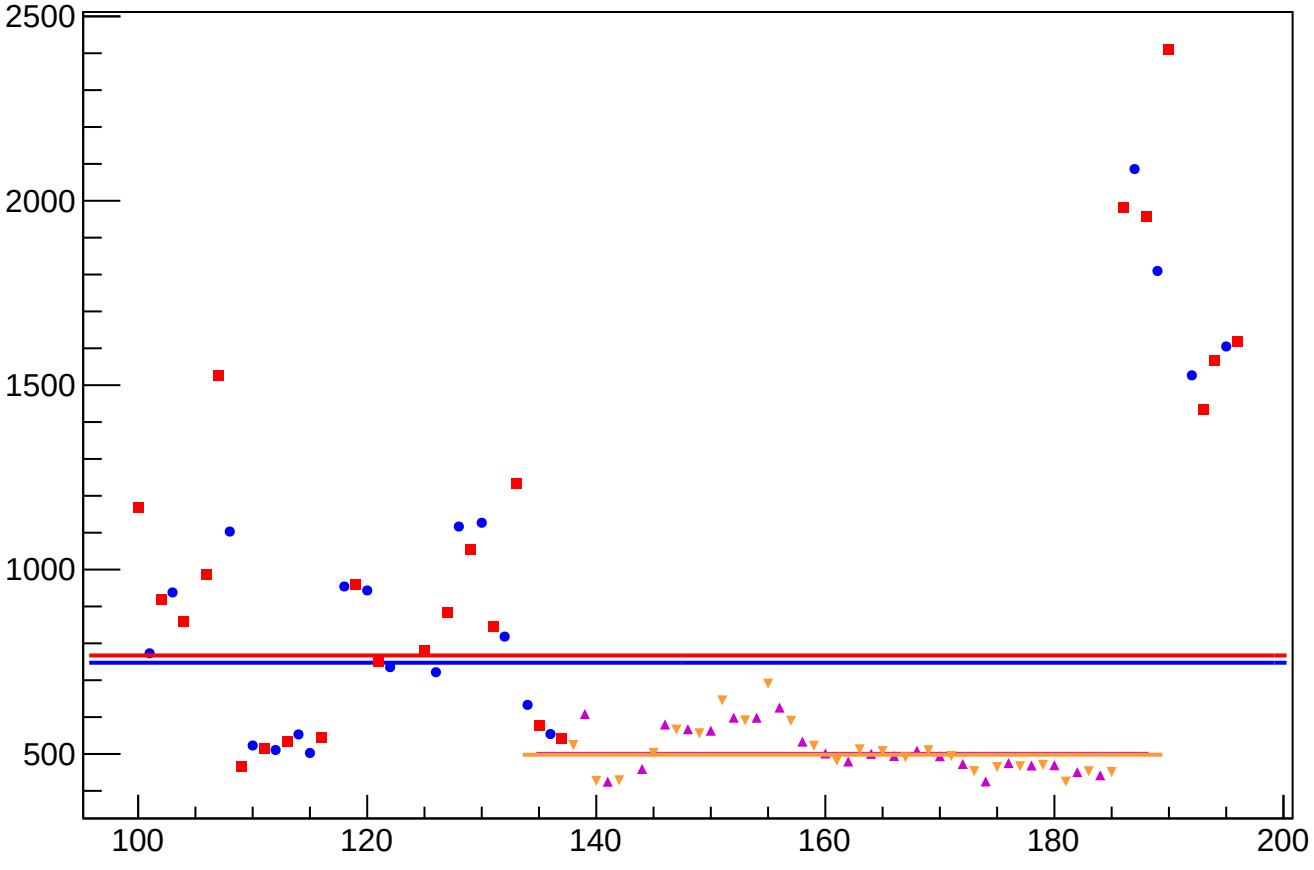
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -449.194+/-106.343 χ^2/NDF: 88.0/43

All: -310.445+/-75.290 χ^2/NDF: 135.9/90

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

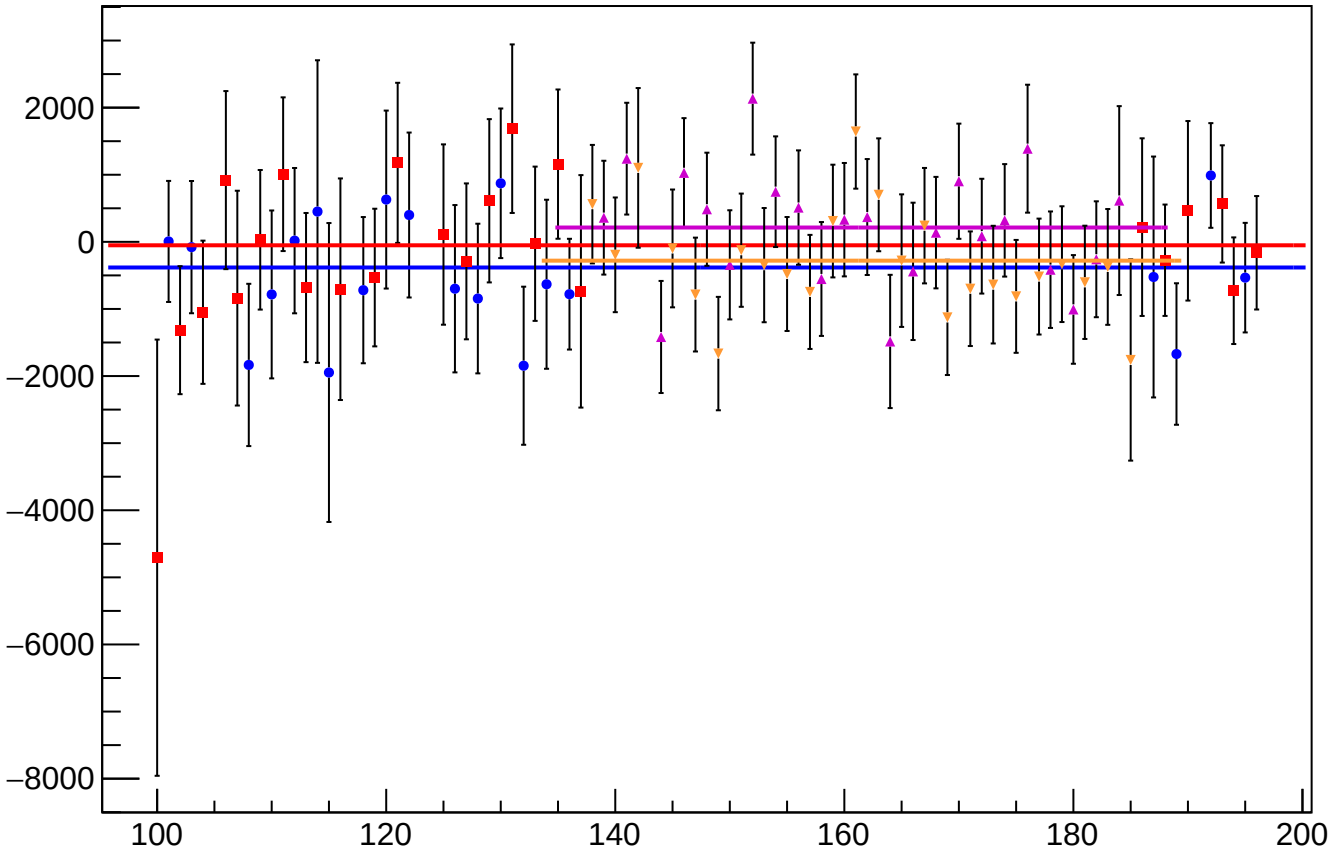
Right Out: 767.151+/-0.177 χ^2/NDF: 4134743.6/23

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

+ sign 540.323+/-0.075 χ^2/NDF: 4724784.1/43

All: 544.466+/-0.053 χ^2/NDF: 11201177.1/90

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



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

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

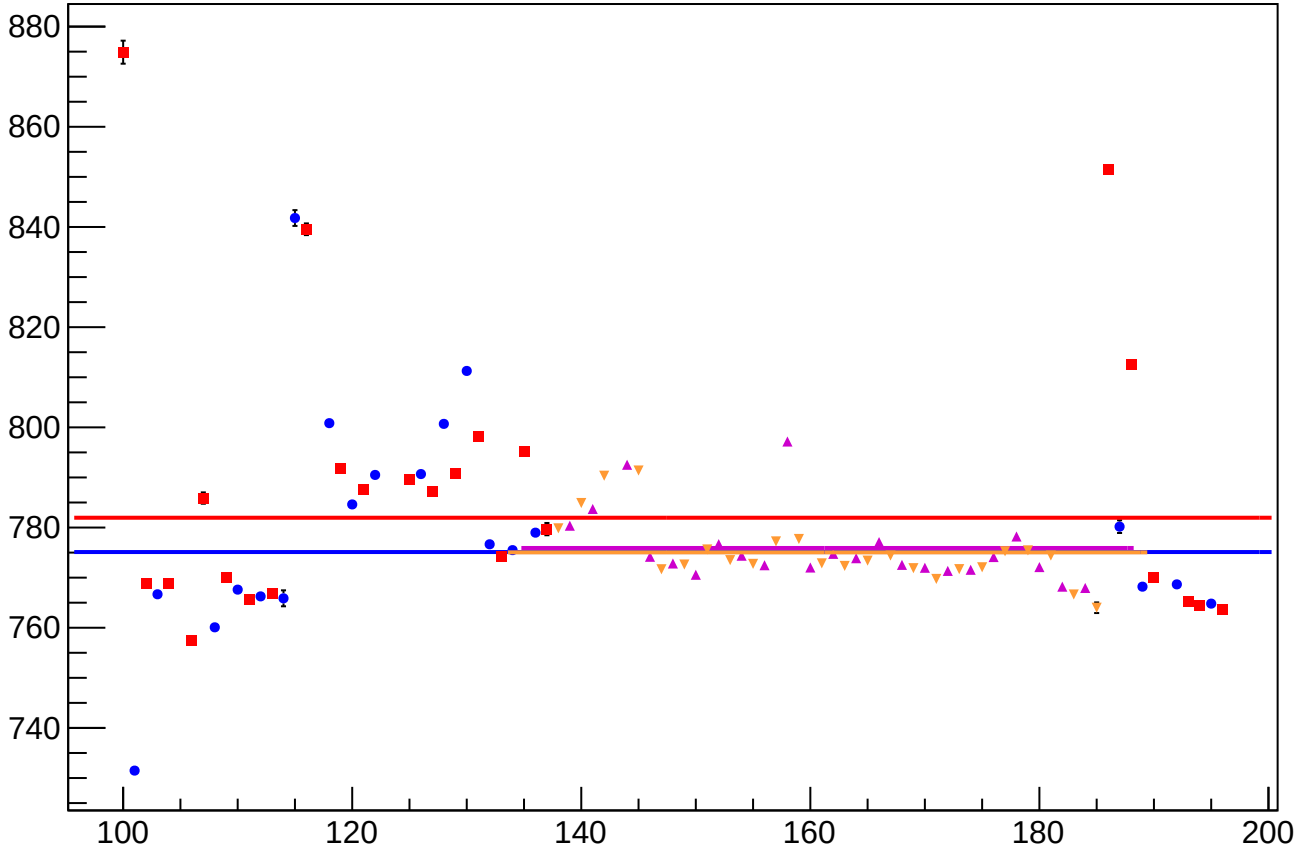
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -315.562+/-145.500 χ^2/NDF: 27.8/43

All: -97.011+/-101.730 χ^2/NDF: 68.6/90

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

cor_asym_us_dd_rms vs Slug



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

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

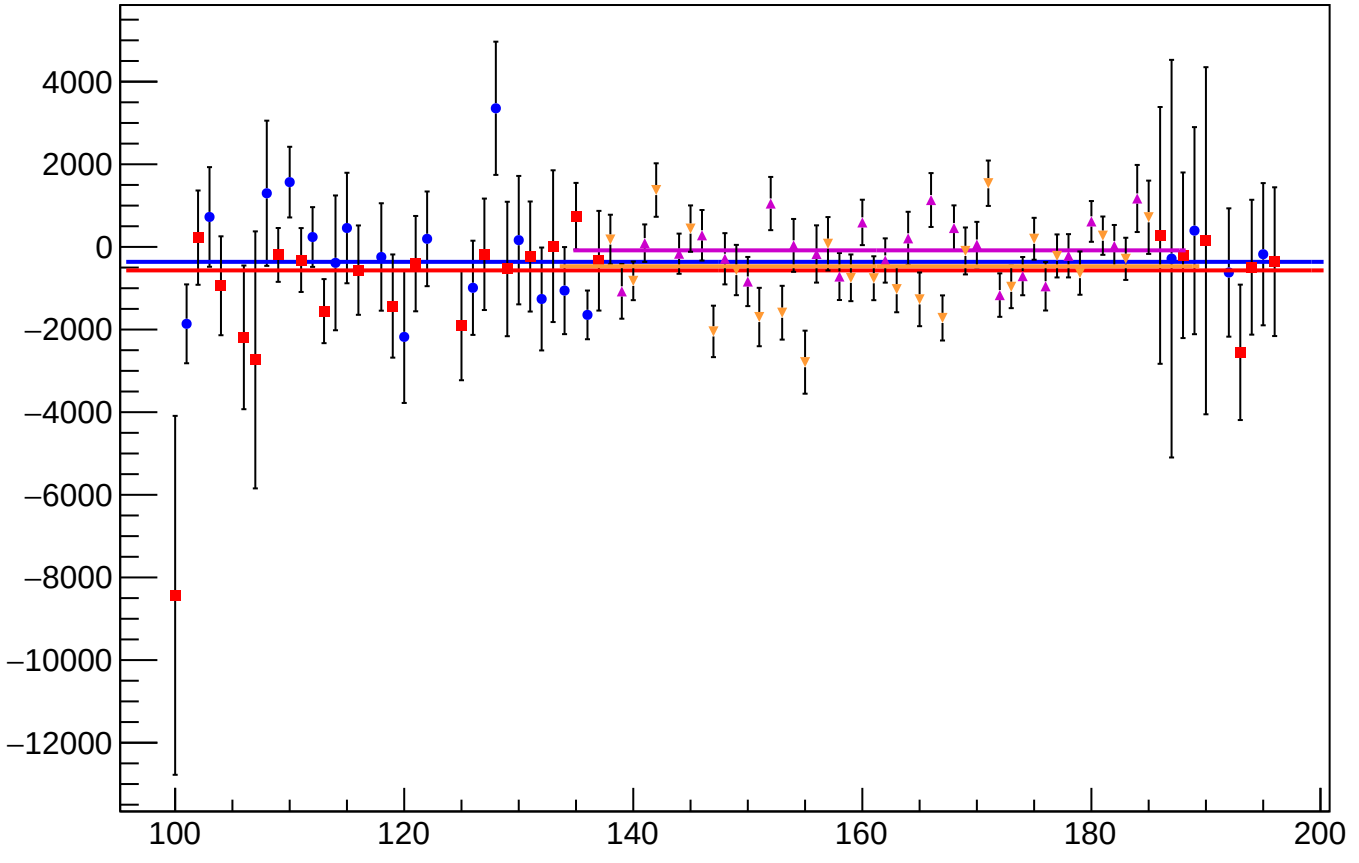
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.071+/-0.103 χ^2/NDF: 14721.1/43

All: 776.689+/-0.072 χ^2/NDF: 37717.3/90

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

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

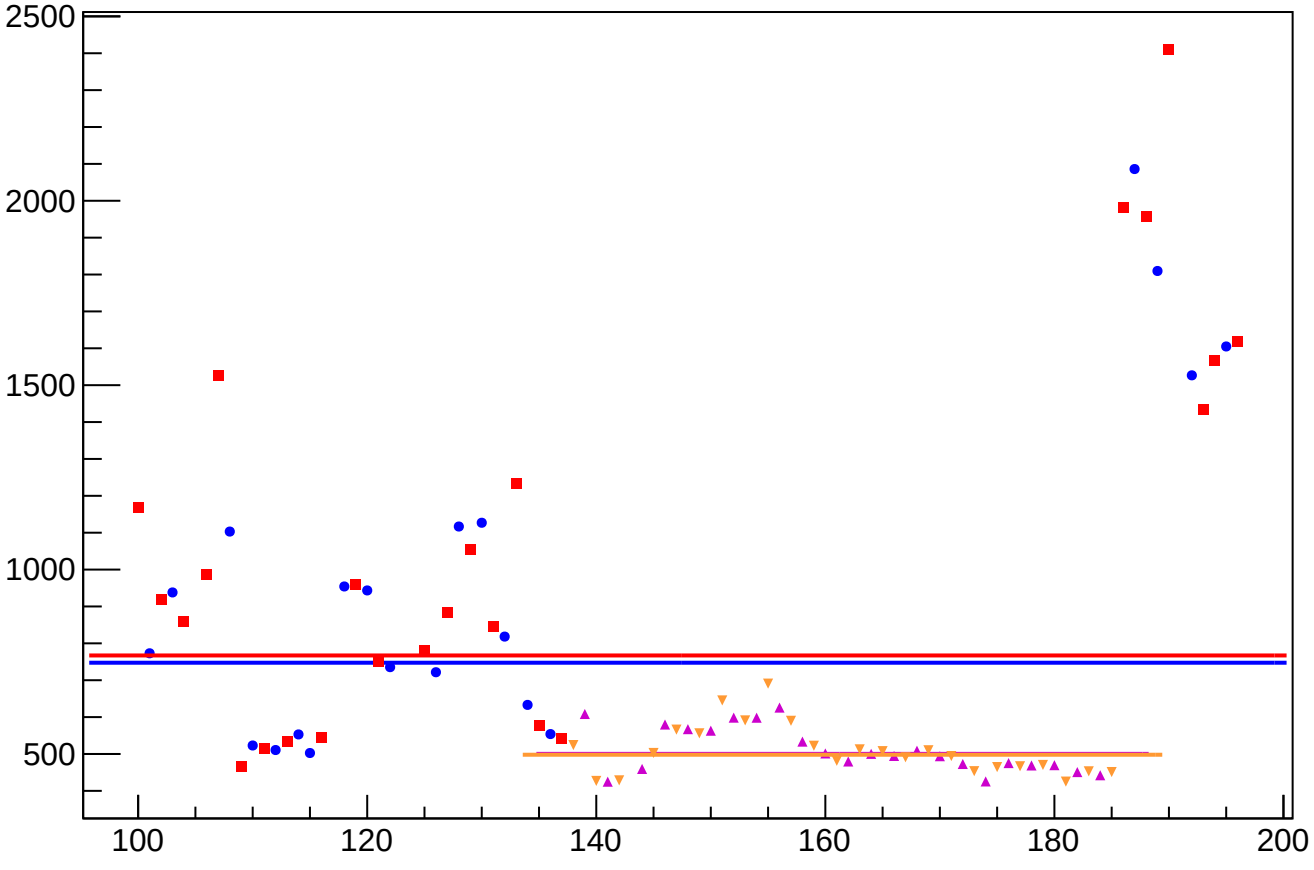
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -449.194+/-106.343 χ^2/NDF: 88.0/43

All: -310.445+/-75.290 χ^2/NDF: 135.9/90

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

asym_us_dd_cor_correction_rms vs Slug



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

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

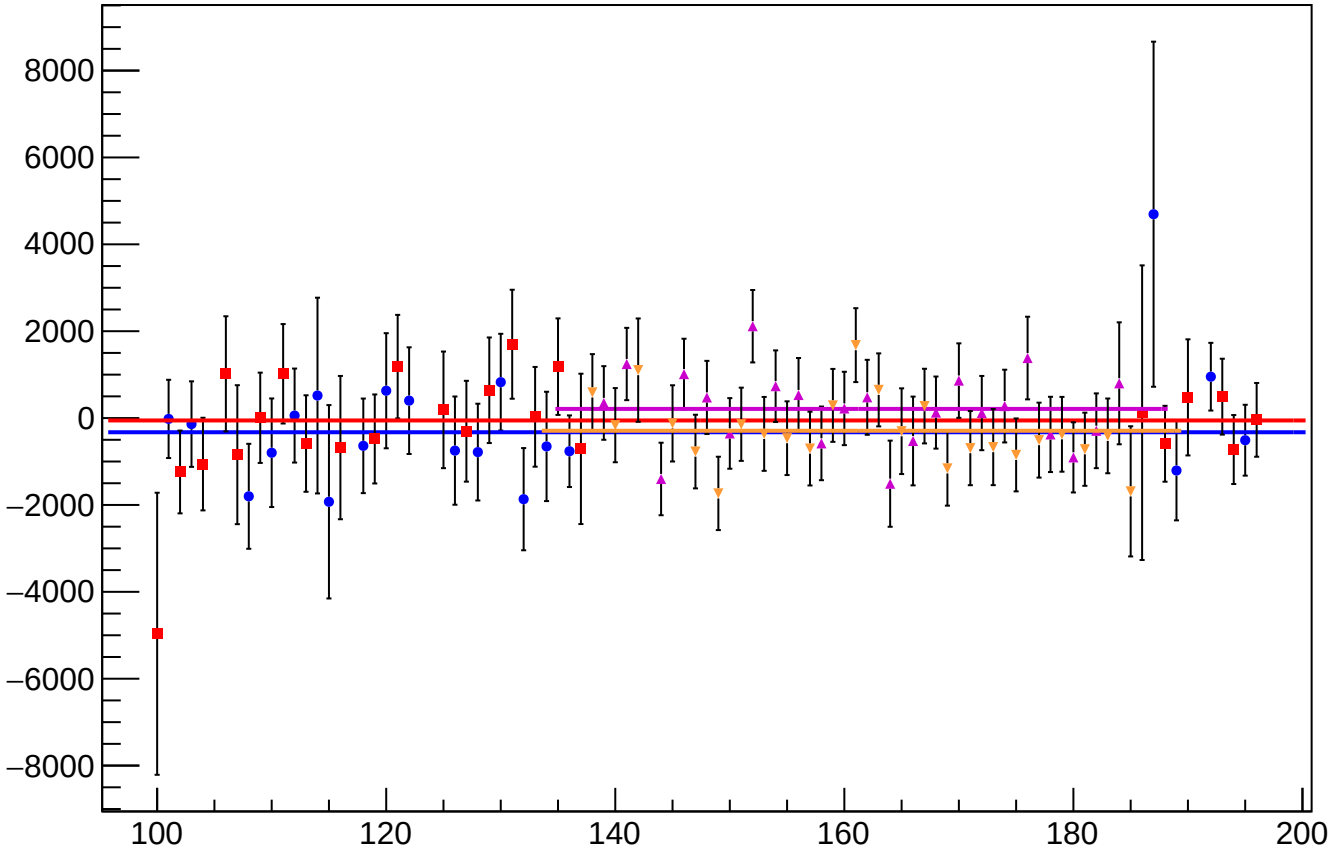
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 540.323+/-0.075 χ^2/NDF: 4724784.1/43

All: 544.466+/-0.053 χ^2/NDF: 11201177.1/90

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -326.183+/-250.217 χ^2/NDF: 11.9/19

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

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

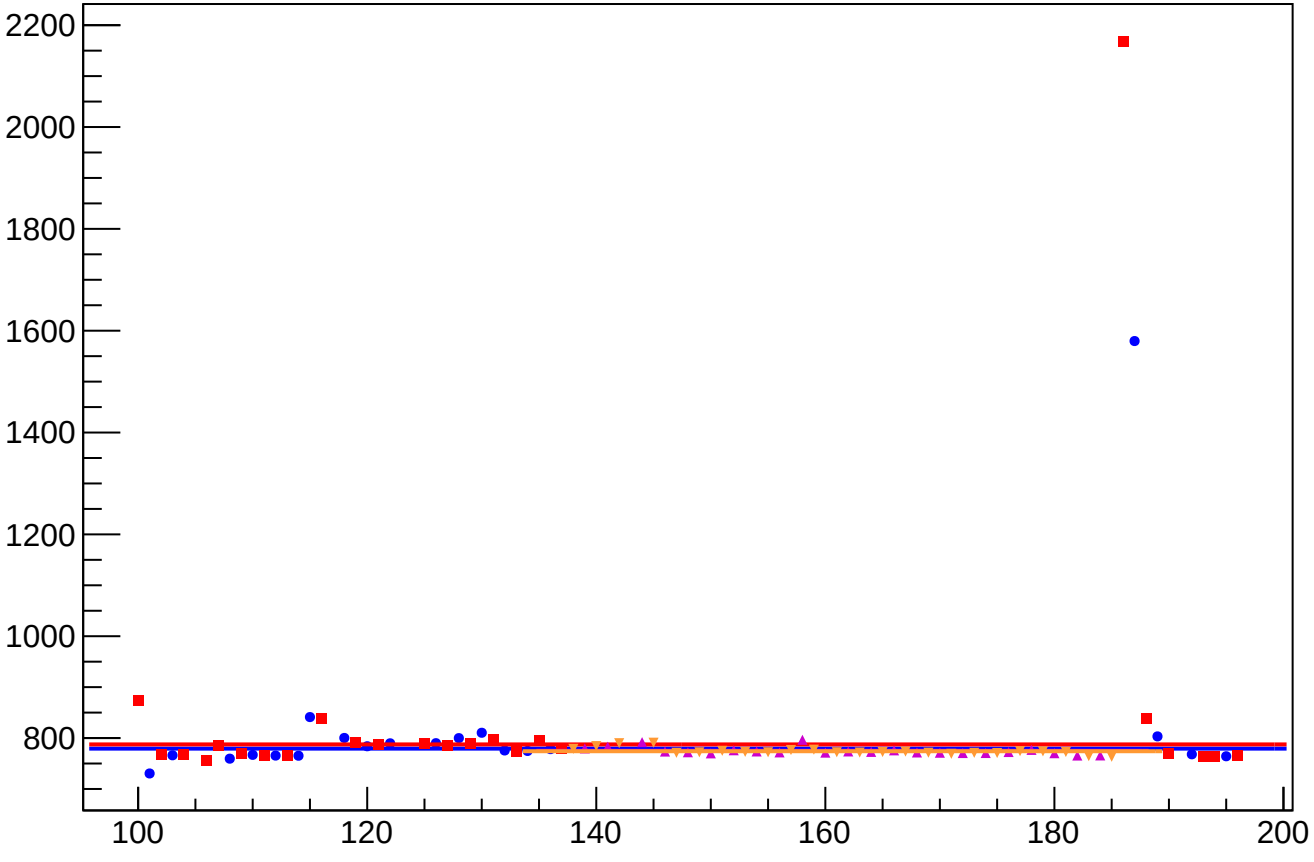
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -303.653+/-145.943 χ^2/NDF: 28.5/43

All: -91.906+/-102.166 χ^2/NDF: 69.1/90

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 779.252+/-0.177 χ^2/NDF: 95425.3/19

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

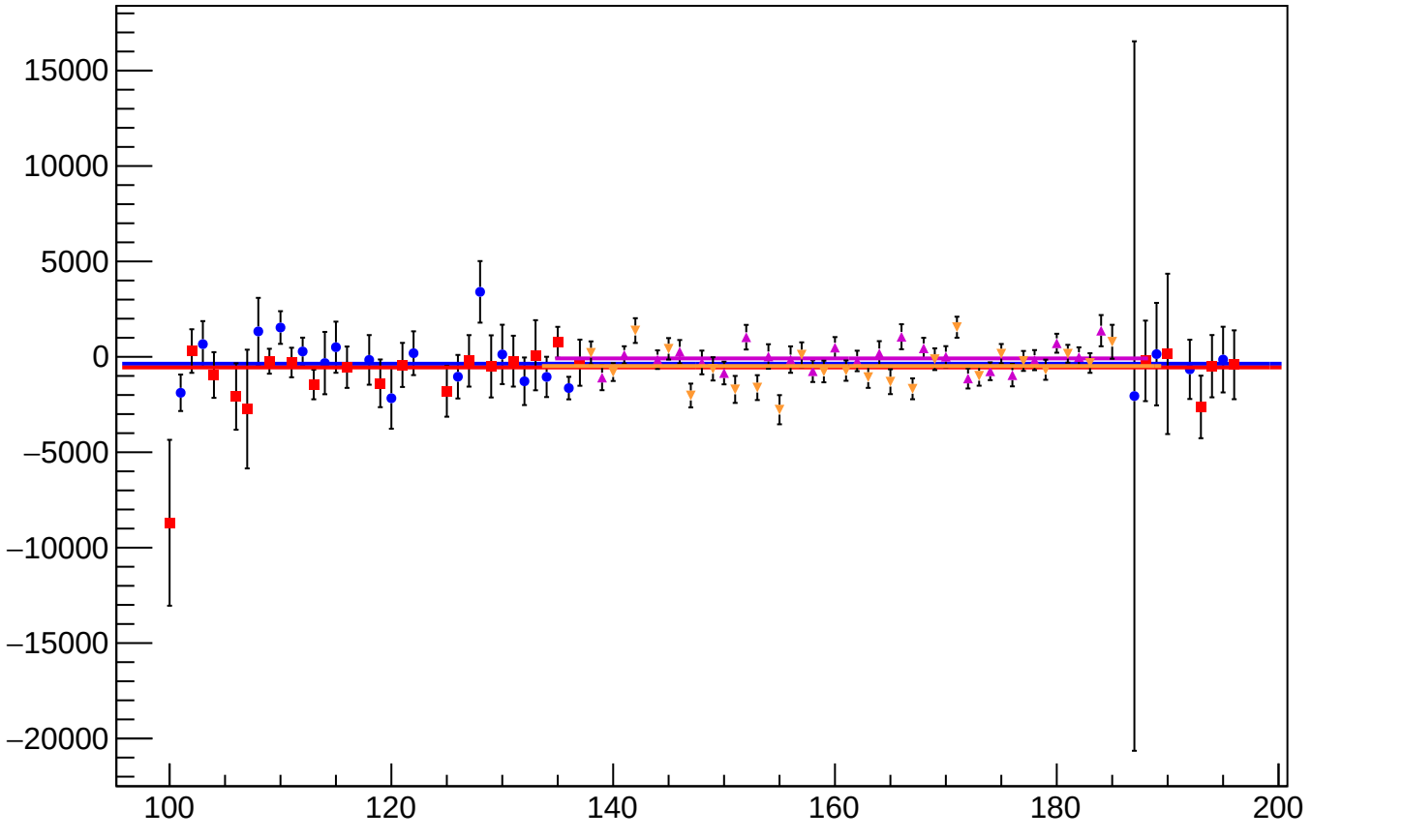
Right Out: 787.505+/-0.165 χ^2/NDF: 351345.8/23

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

+ sign 775.880+/-0.103 χ^2/NDF: 98036.1/43

All: 777.818+/-0.072 χ^2/NDF: 456808.2/90

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



Right In: -361.663+/-258.960 χ^2/NDF: 23.5/19

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

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

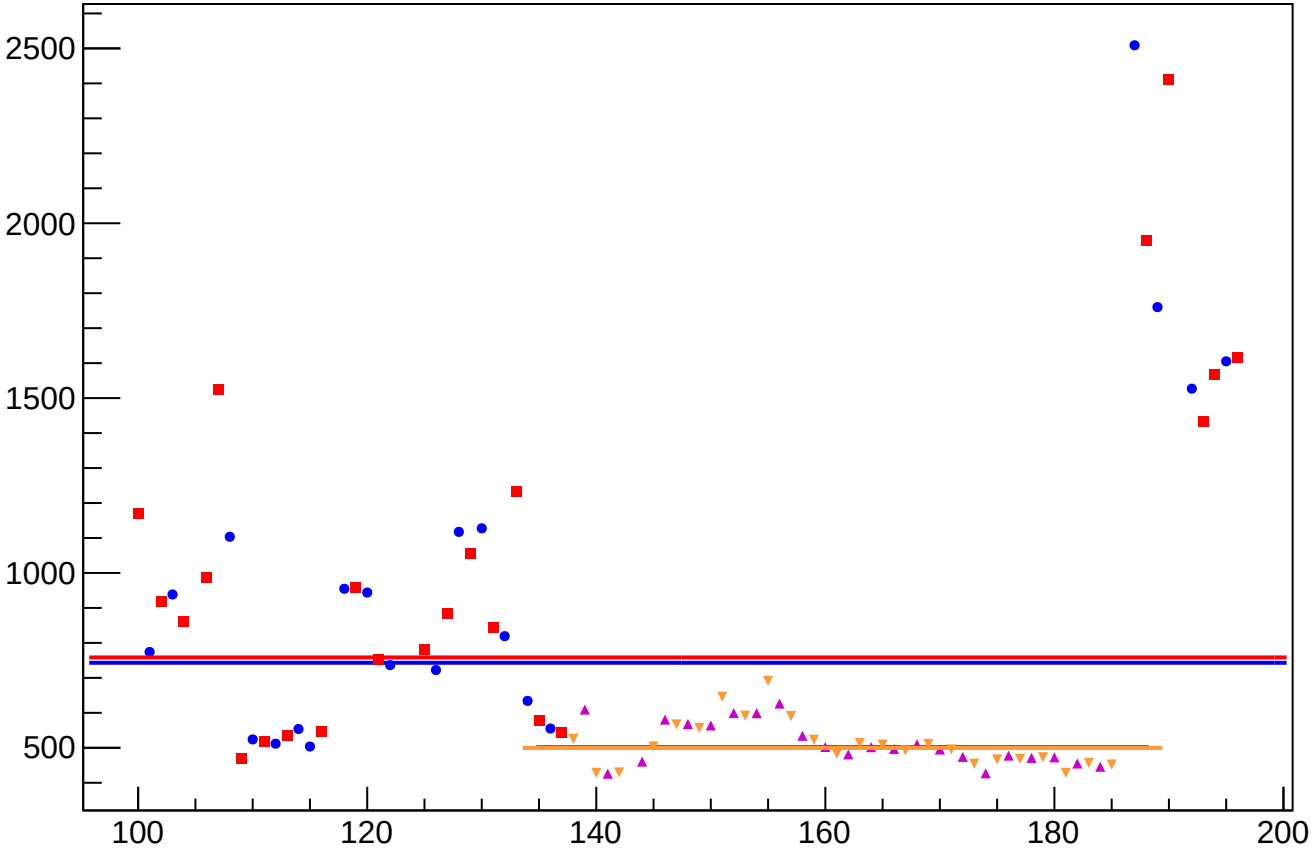
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -461.004+/-106.692 χ^2/NDF: 87.2/43

All: -315.168+/-75.551 χ^2/NDF: 135.1/89

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 743.178+/-0.183 χ^2/NDF: 2426630.0/19

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

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

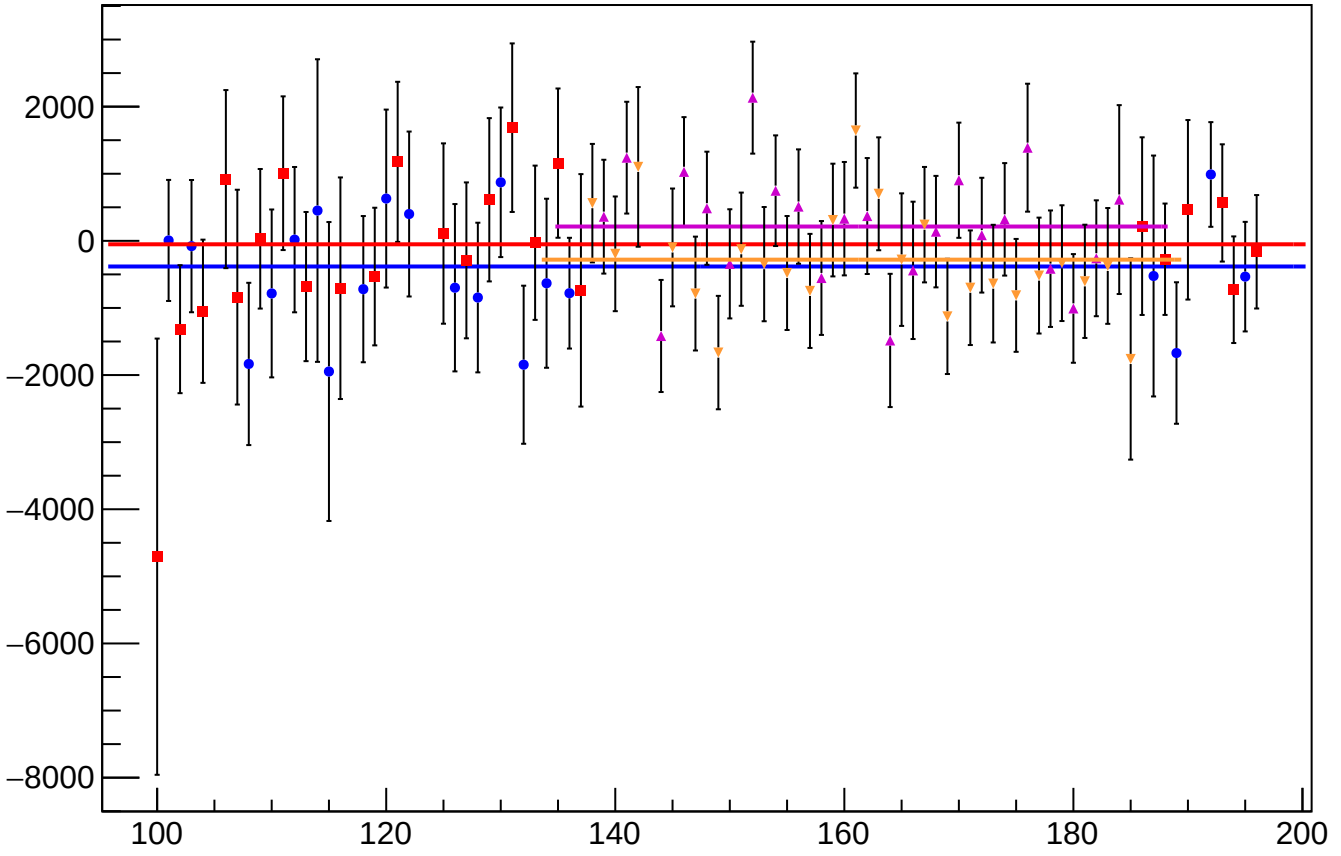
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 541.004+/-0.075 χ^2/NDF: 4411204.9/43

All: 544.635+/-0.053 χ^2/NDF: 10314498.0/89

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

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

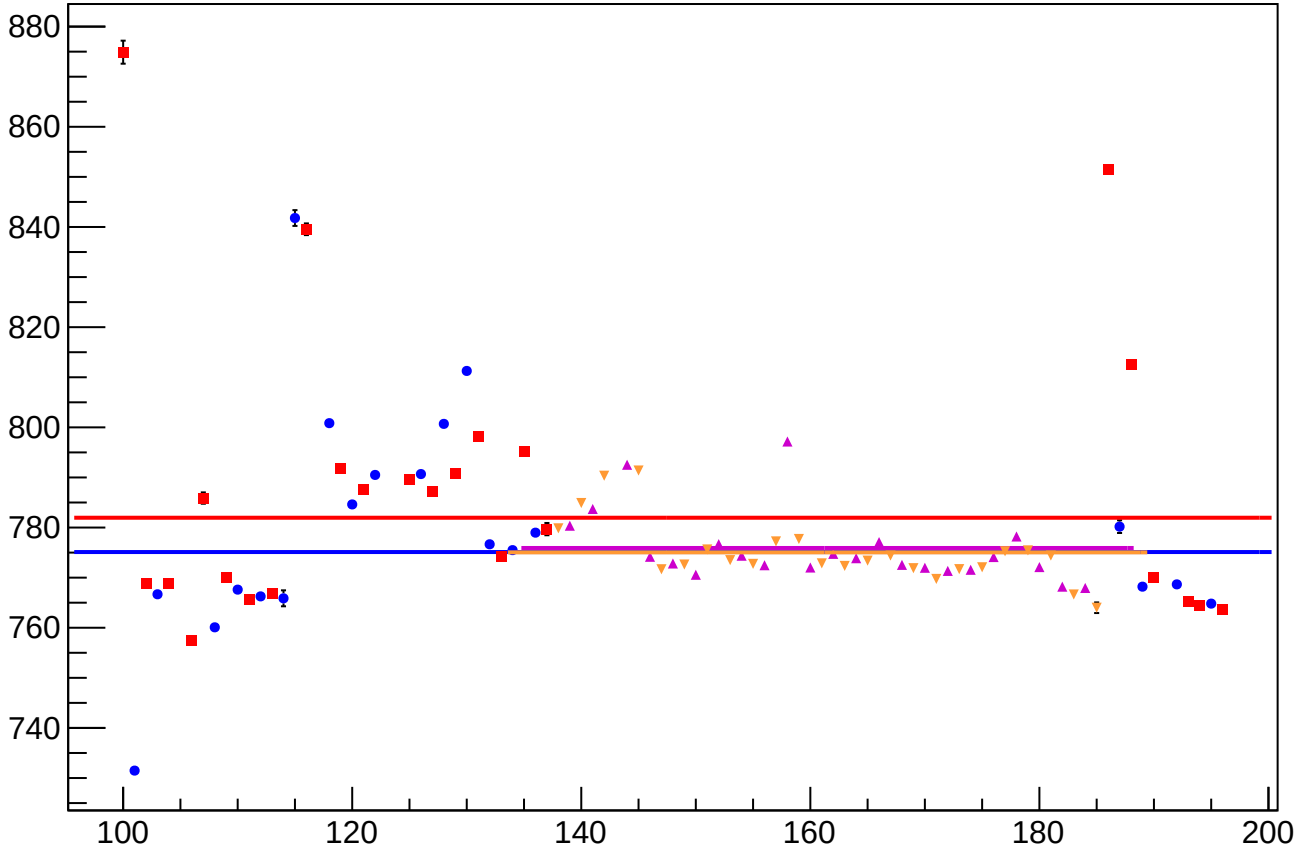
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -315.562+/-145.500 χ^2/NDF: 27.8/43

All: -97.011+/-101.730 χ^2/NDF: 68.6/90

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

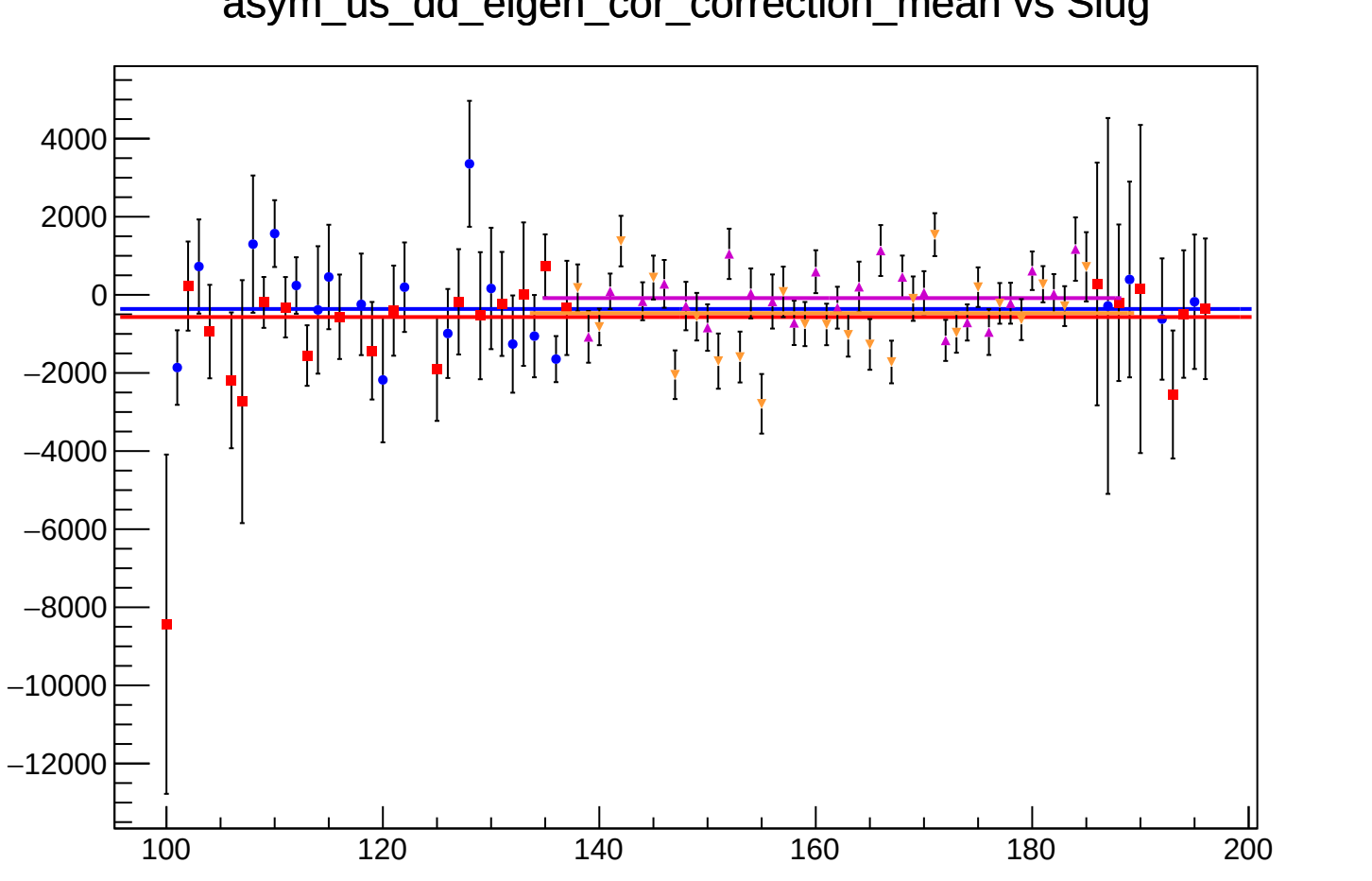
Right Out: 781.961+/-0.163 χ^2/NDF: 18687.9/23

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

+ sign 775.071+/-0.103 χ^2/NDF: 14721.1/43

All: 776.689+/-0.072 χ^2/NDF: 37717.3/90

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



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

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

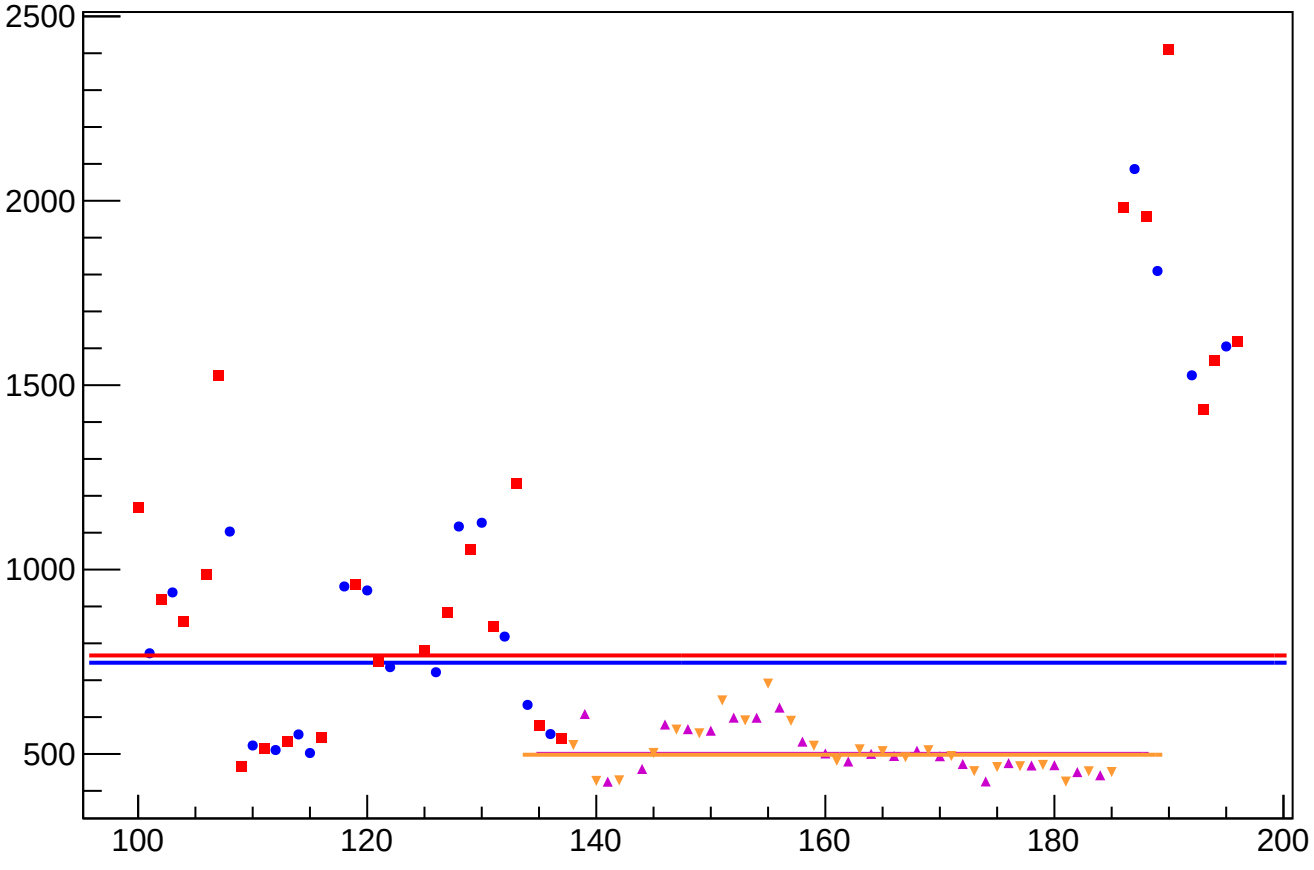
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -449.194+/-106.343 χ^2/NDF: 88.0/43

All: -310.445+/-75.290 χ^2/NDF: 135.9/90

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

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

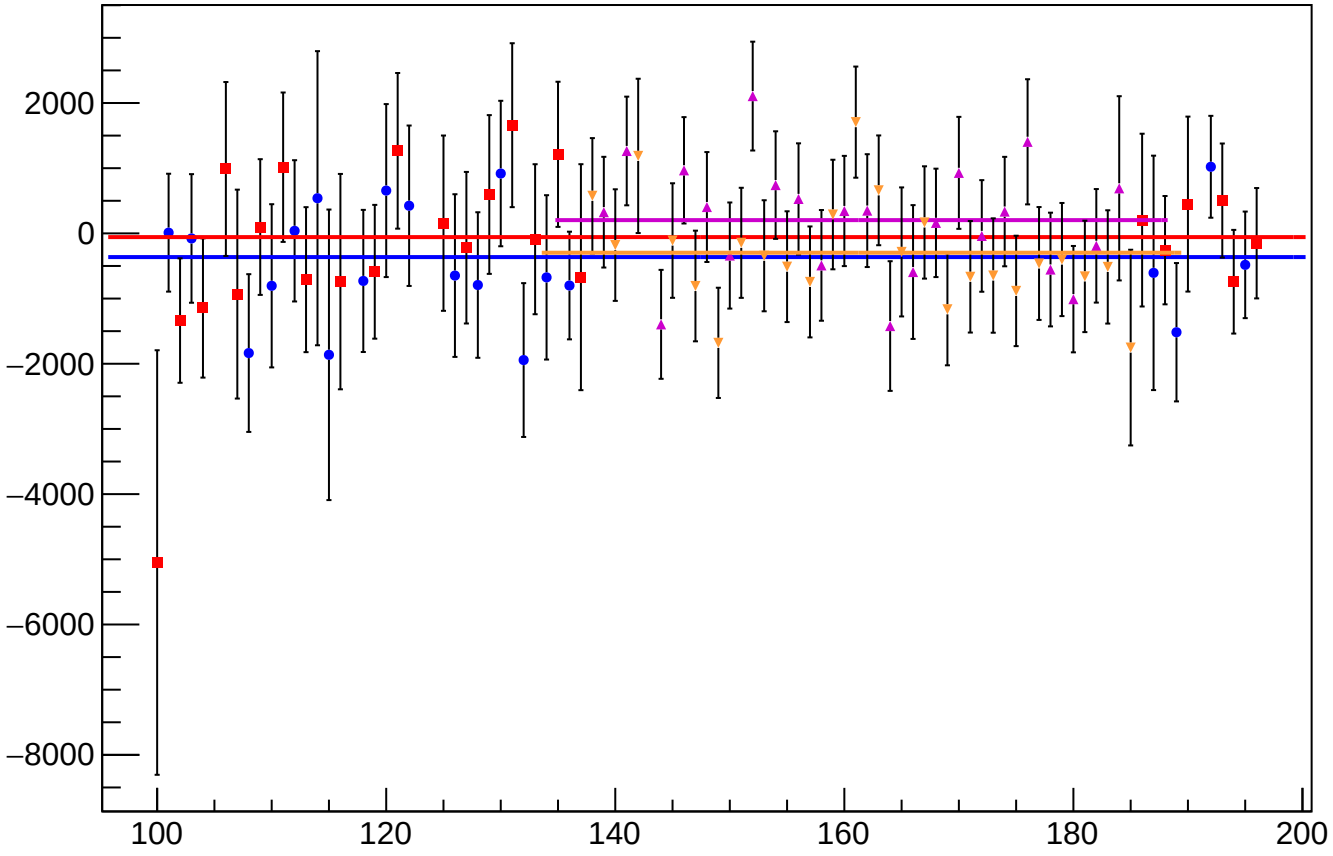
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 540.323+/-0.075 χ^2/NDF: 4724784.1/43

All: 544.466+/-0.053 χ^2/NDF: 11201177.1/90

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

dit_asym_us_dd_mean vs Slug



Right In: -363.700+/-247.807 χ^2/NDF: 11.7/19

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

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

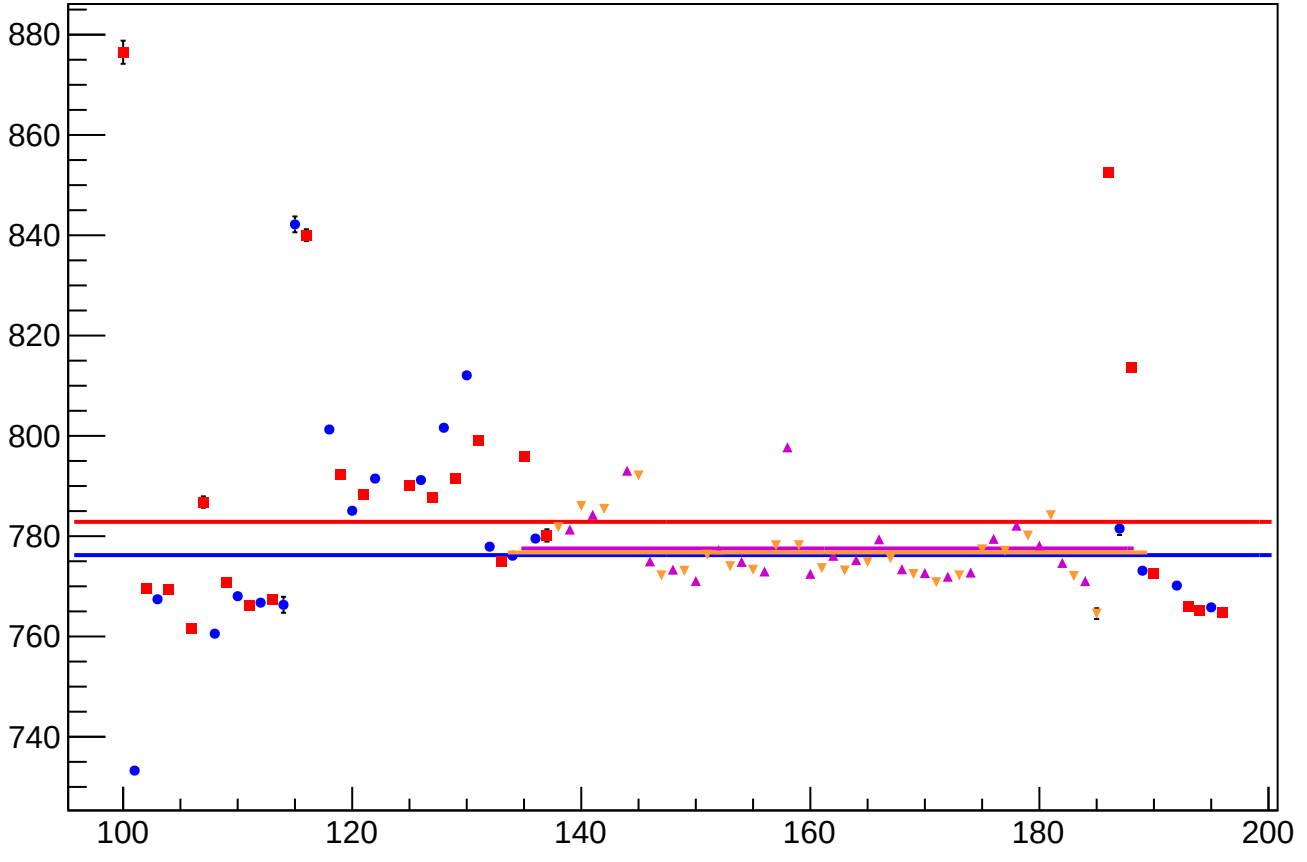
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -319.934+/-145.783 χ^2/NDF: 28.5/43

All: -103.490+/-101.916 χ^2/NDF: 69.7/90

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

dit_asym_us_dd_rms vs Slug



Right In: 776.225+/-0.175 χ^2/NDF: 12394.3/19

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

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

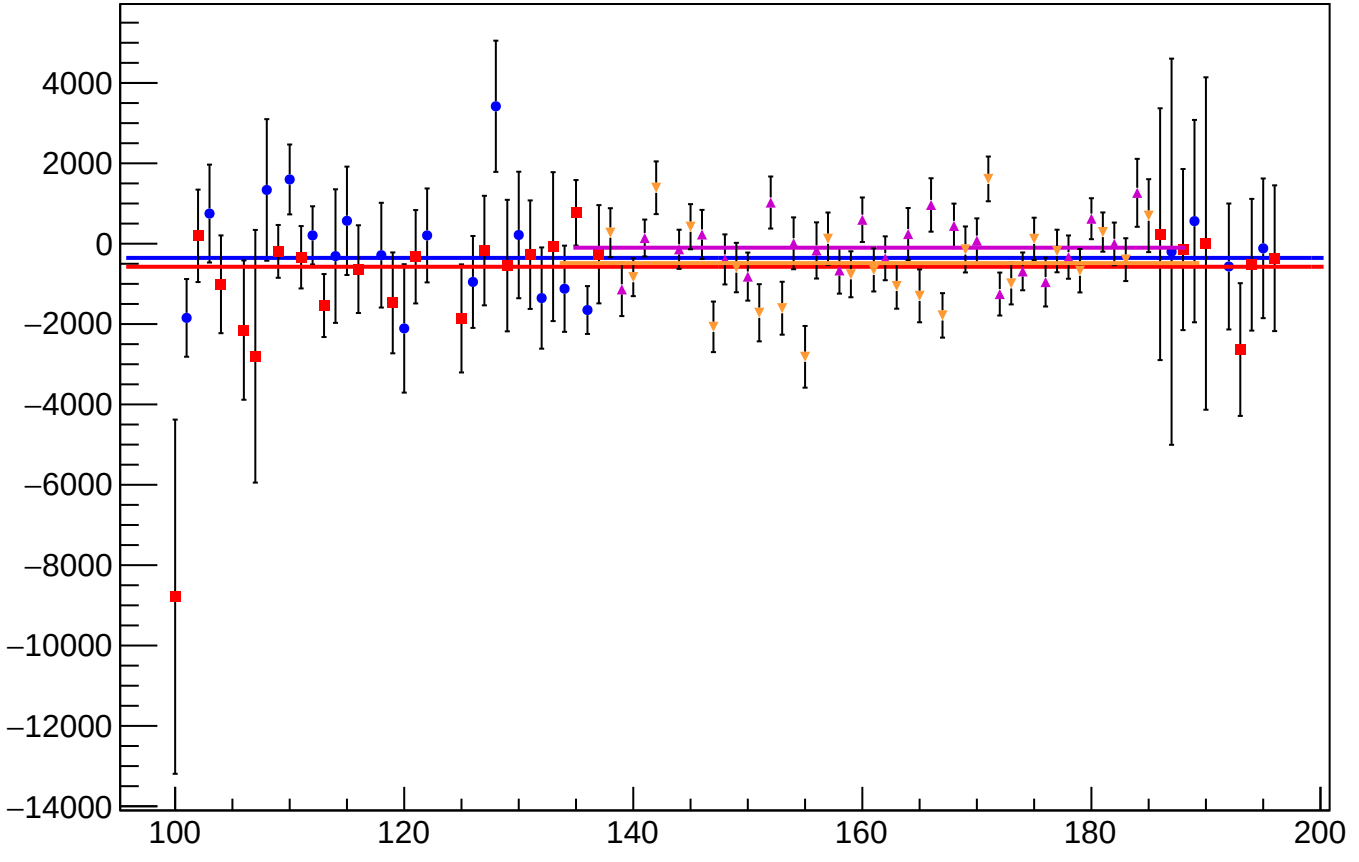
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 776.569+/-0.103 χ^2/NDF: 14226.5/43

All: 778.111+/-0.072 χ^2/NDF: 36588.3/90

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -353.607+/-260.586 χ^2/NDF: 23.5/19

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

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

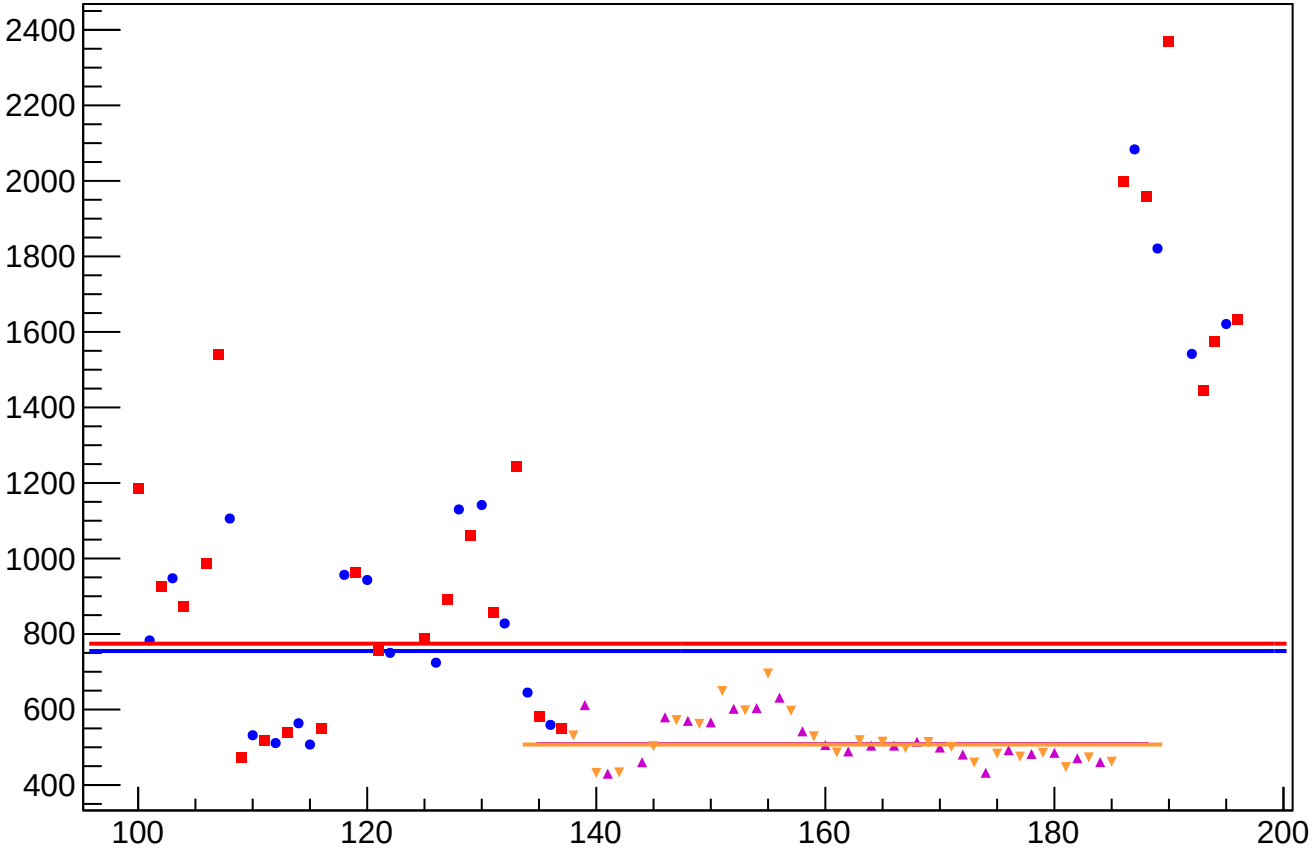
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -460.639+/-108.101 χ^2/NDF: 88.8/43

All: -323.853+/-76.459 χ^2/NDF: 135.8/90

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 754.923+/-0.184 χ^2/NDF: 2642663.2/19

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

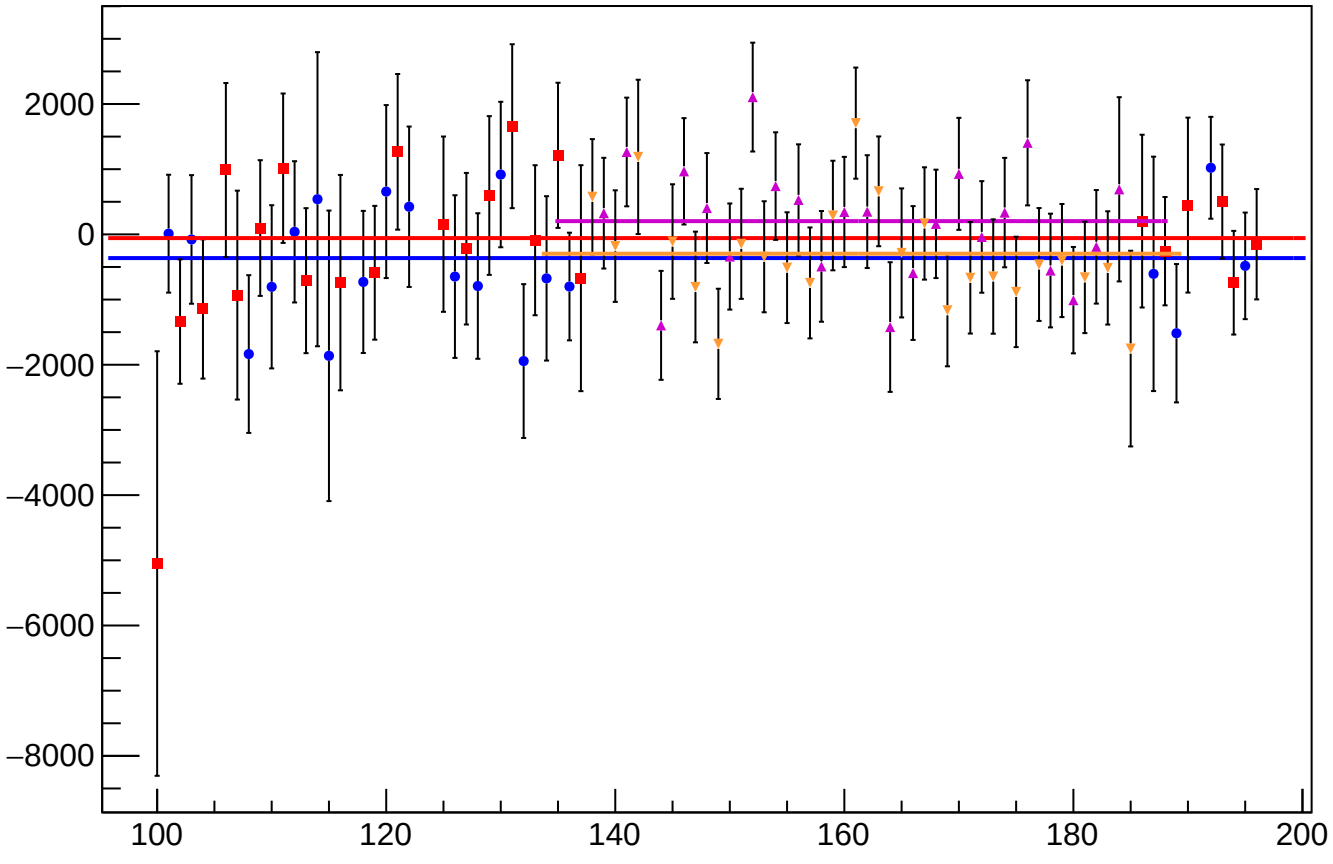
Right Out: 774.420+/-0.179 χ^2/NDF: 4109425.4/23

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

+ sign 549.929+/-0.076 χ^2/NDF: 4611594.5/43

All: 553.631+/-0.054 χ^2/NDF: 10965525.9/90

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



Right In: -363.700+/-247.807 χ^2/NDF: 11.7/19

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

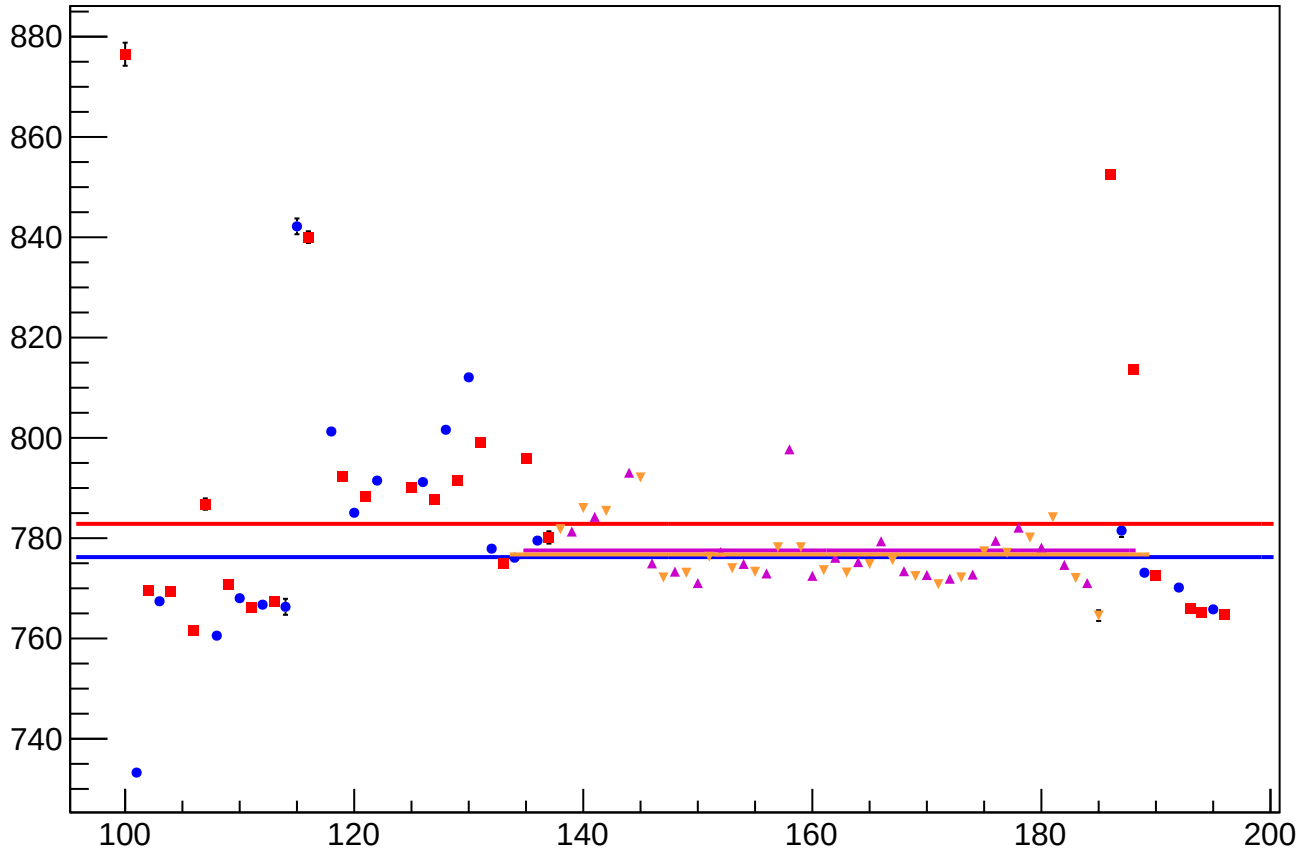
Right Out: -57.142+/-230.133 χ^2/NDF: 14.0/23

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

+ sign -319.934+/-145.783 χ^2/NDF: 28.5/43

All: -103.490+/-101.916 χ^2/NDF: 69.7/90

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



Right In: 776.225+/-0.175 χ^2/NDF: 12394.2/19

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

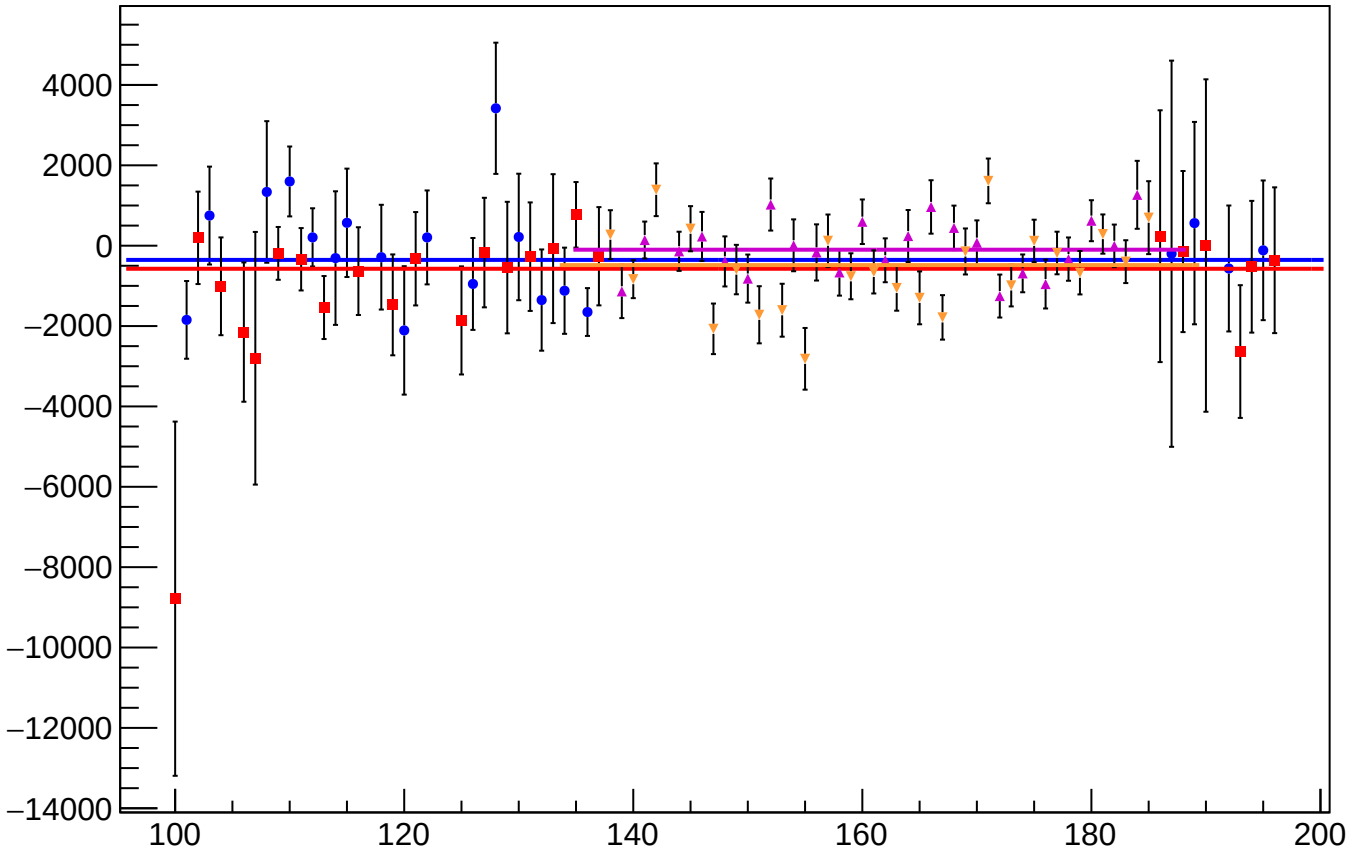
Right Out: 782.855+/-0.163 χ^2/NDF: 18518.3/23

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

+ sign 776.569+/-0.103 χ^2/NDF: 14226.5/43

All: 778.111+/-0.072 χ^2/NDF: 36588.3/90

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



Right In: -353.603+/-260.585 χ^2/NDF: 23.5/19

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

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

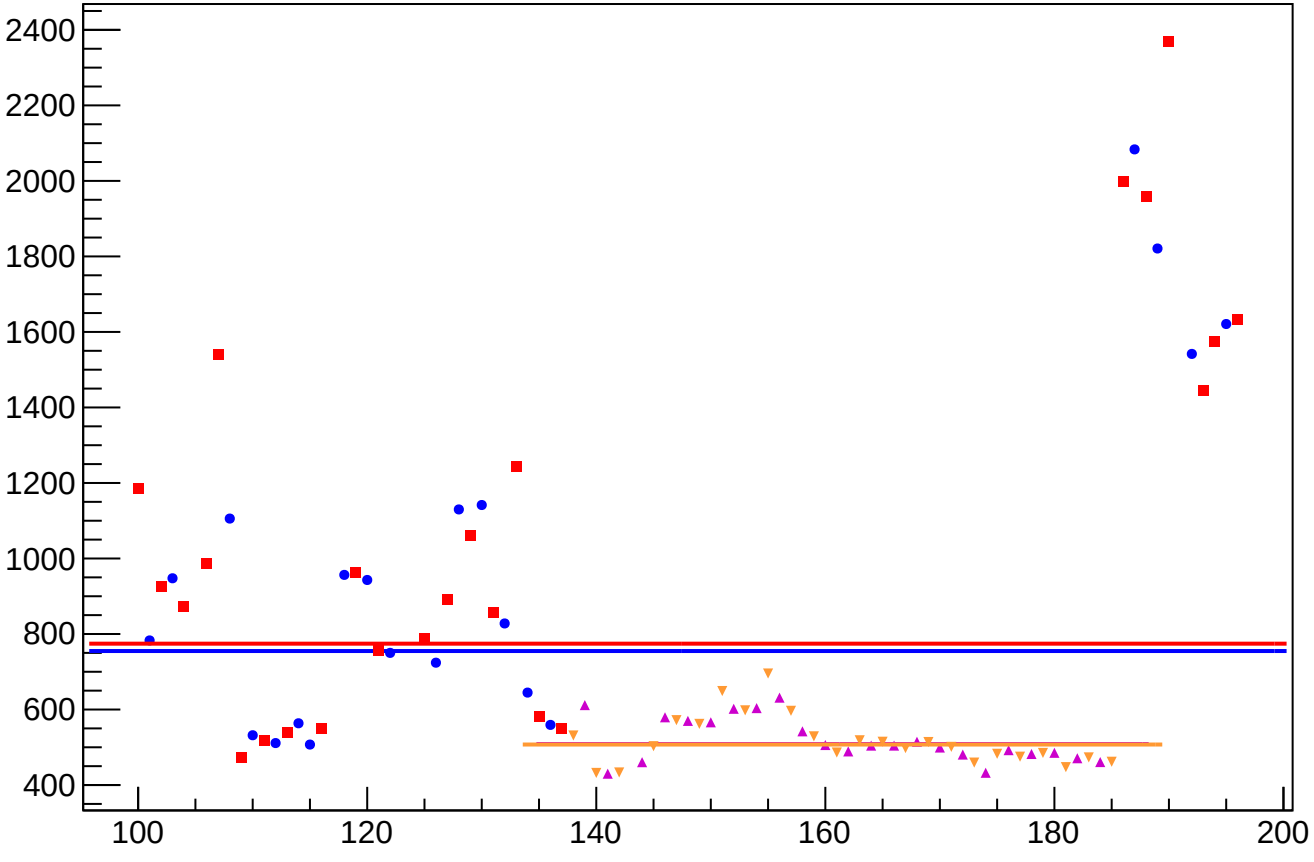
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

\+ sign -460.638+/-108.101 χ^2/NDF: 88.8/43

All: -323.852+/-76.459 χ^2/NDF: 135.8/90

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 754.919+/-0.184 χ^2/NDF: 2642684.6/19

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

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

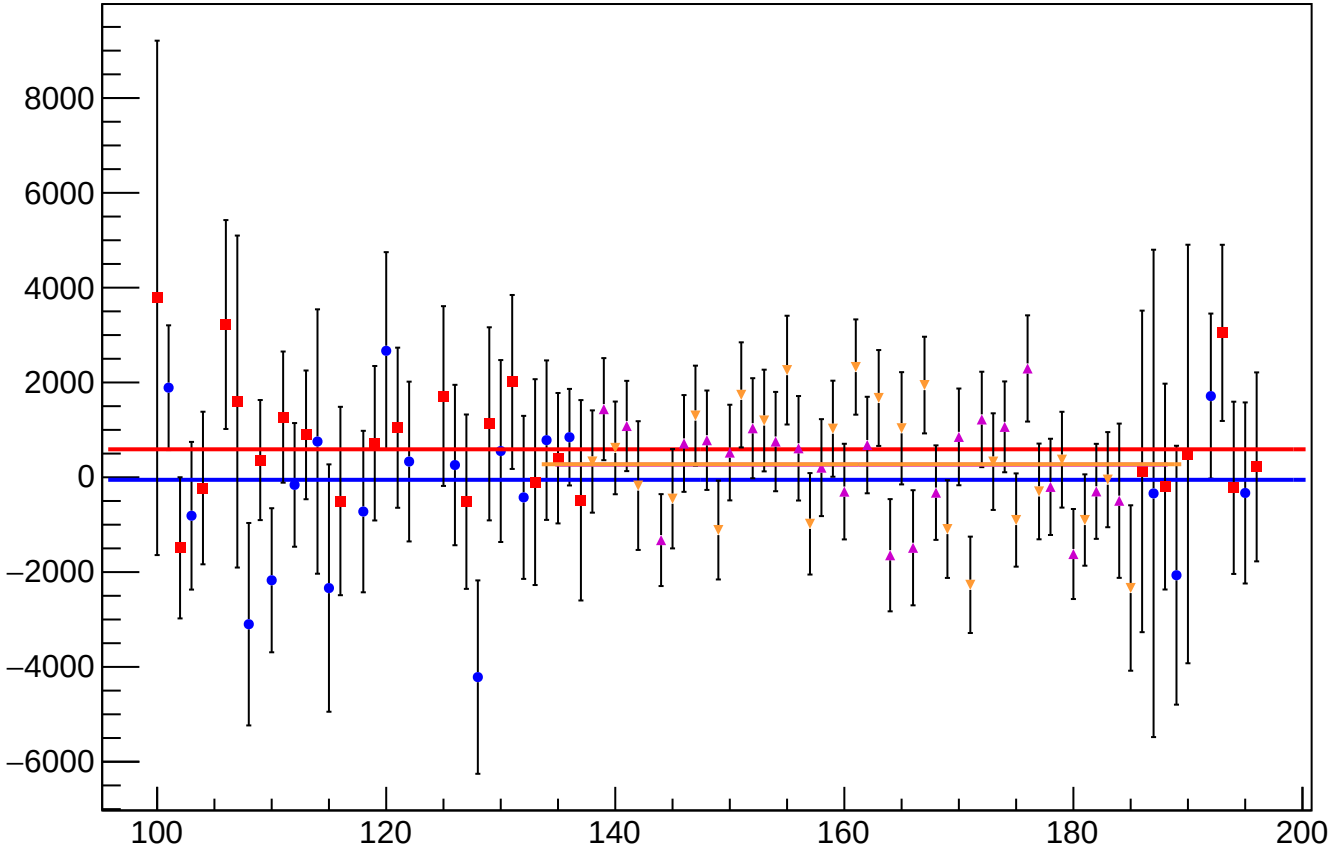
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 549.929+/-0.076 χ^2/NDF: 4611588.3/43

All: 553.630+/-0.054 χ^2/NDF: 10965530.2/90

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

asym_us_dd_mean vs Slug



Right In: -53.269+/-385.575 χ^2/NDF: 16.1/19

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

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

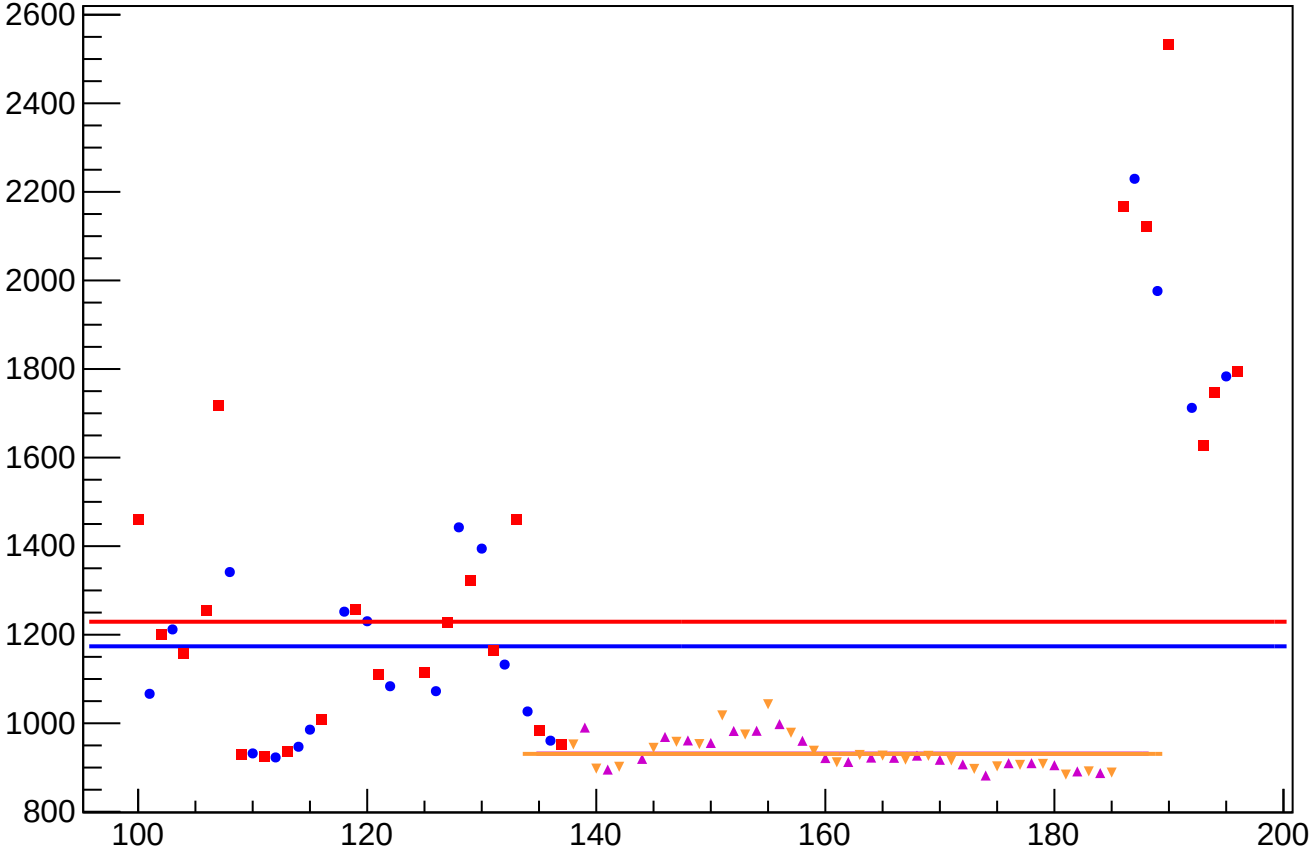
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 196.566+/-188.637 χ^2/NDF: 50.3/43

All: 272.625+/-133.269 χ^2/NDF: 81.2/90

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

asym_us_dd_rms vs Slug



Right In: 1173.804+/-0.273 χ^2/NDF: 1011018.8/19

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

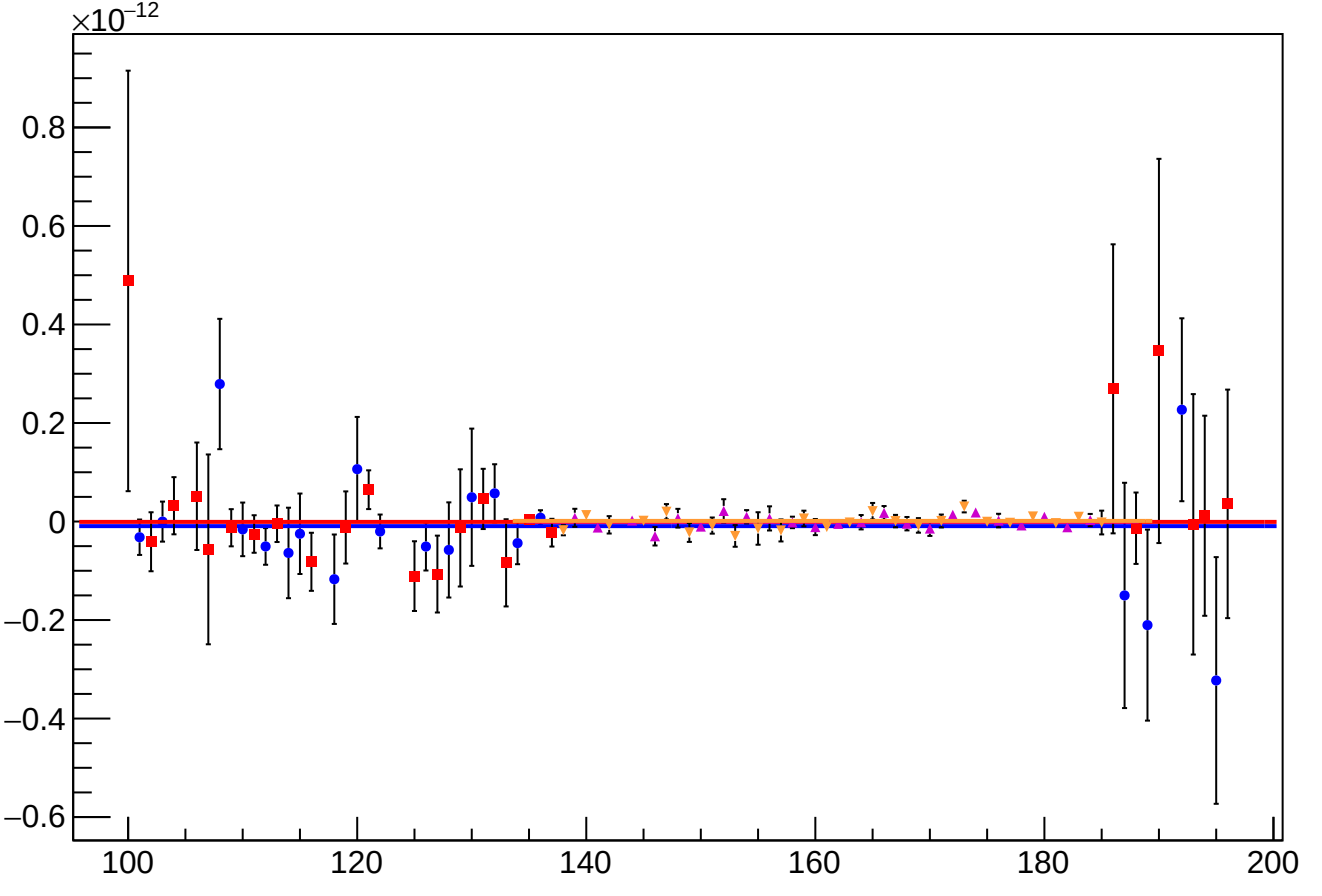
Right Out: 1229.318+/-0.265 χ^2/NDF: 1599889.1/23

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

+ sign 989.056+/-0.133 χ^2/NDF: 1676621.5/43

All: 997.798+/-0.094 χ^2/NDF: 4275863.6/90

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



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/19

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

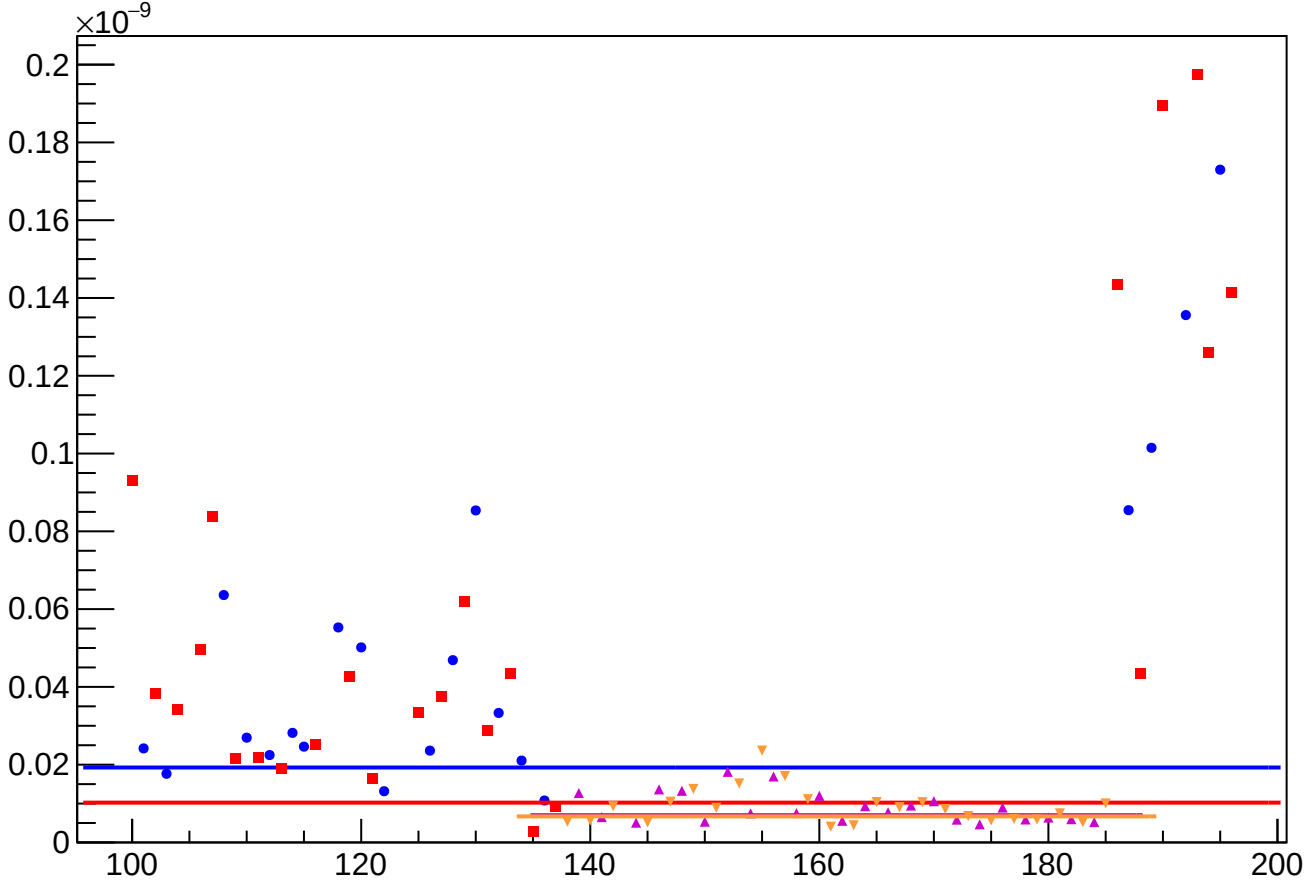
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/43

All: 0.000+/-0.000 χ^2/NDF: 83.4/90

- sign 0.000+/-0.000 χ^2/NDF: 38.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 4326479.7/19

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

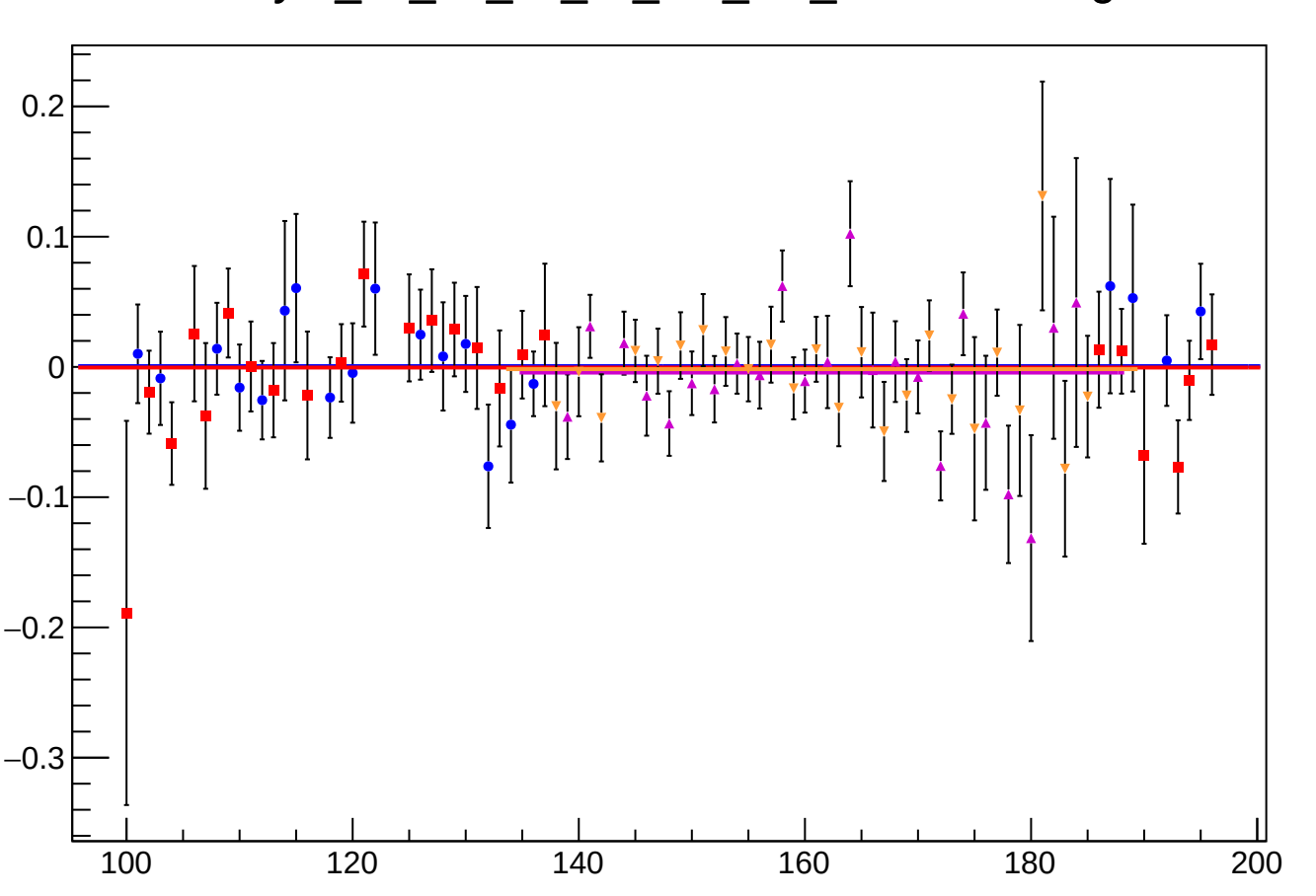
Right Out: 0.000+/-0.000 χ^2/NDF: 8717047.6/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 10153243.7/43

All: 0.000+/-0.000 χ^2/NDF: 21672016.0/90

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



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

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

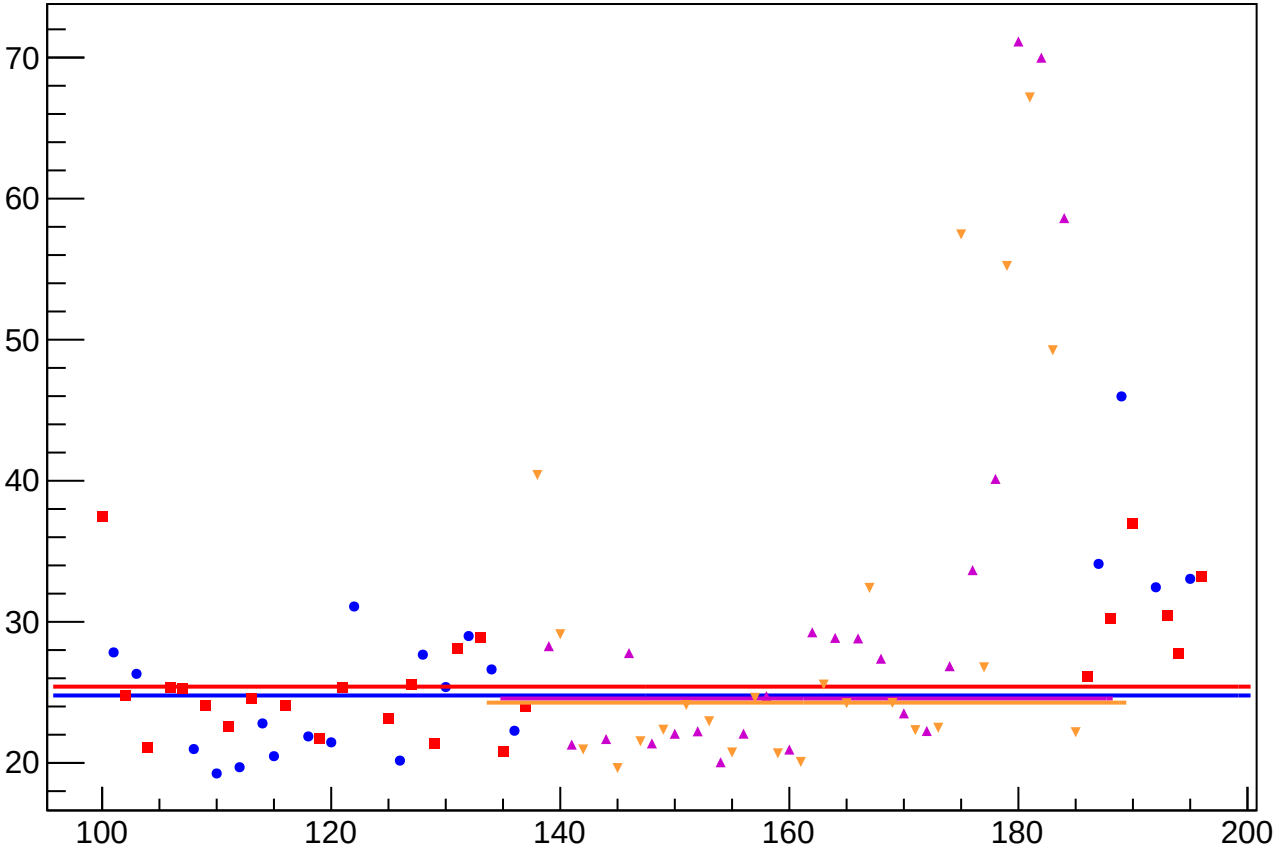
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.5/43

All: -0.002+/-0.004 χ^2/NDF: 83.1/90

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.781+/-0.006 χ^2/NDF: 714185.5/19

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

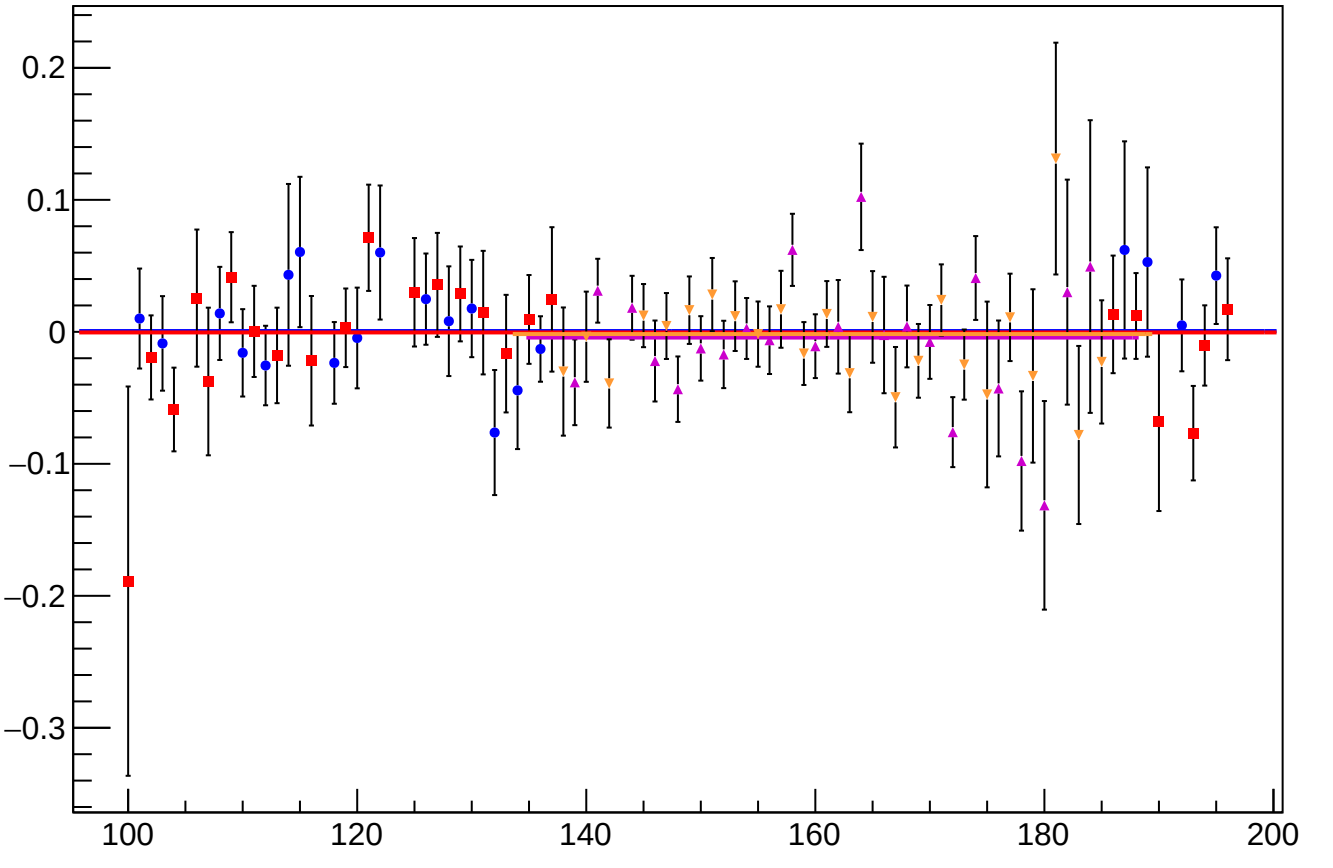
Right Out: 25.408+/-0.006 χ^2/NDF: 427581.9/23

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

+ sign 24.453+/-0.004 χ^2/NDF: 3029366.9/43

All: 24.679+/-0.003 χ^2/NDF: 5611141.7/90

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



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

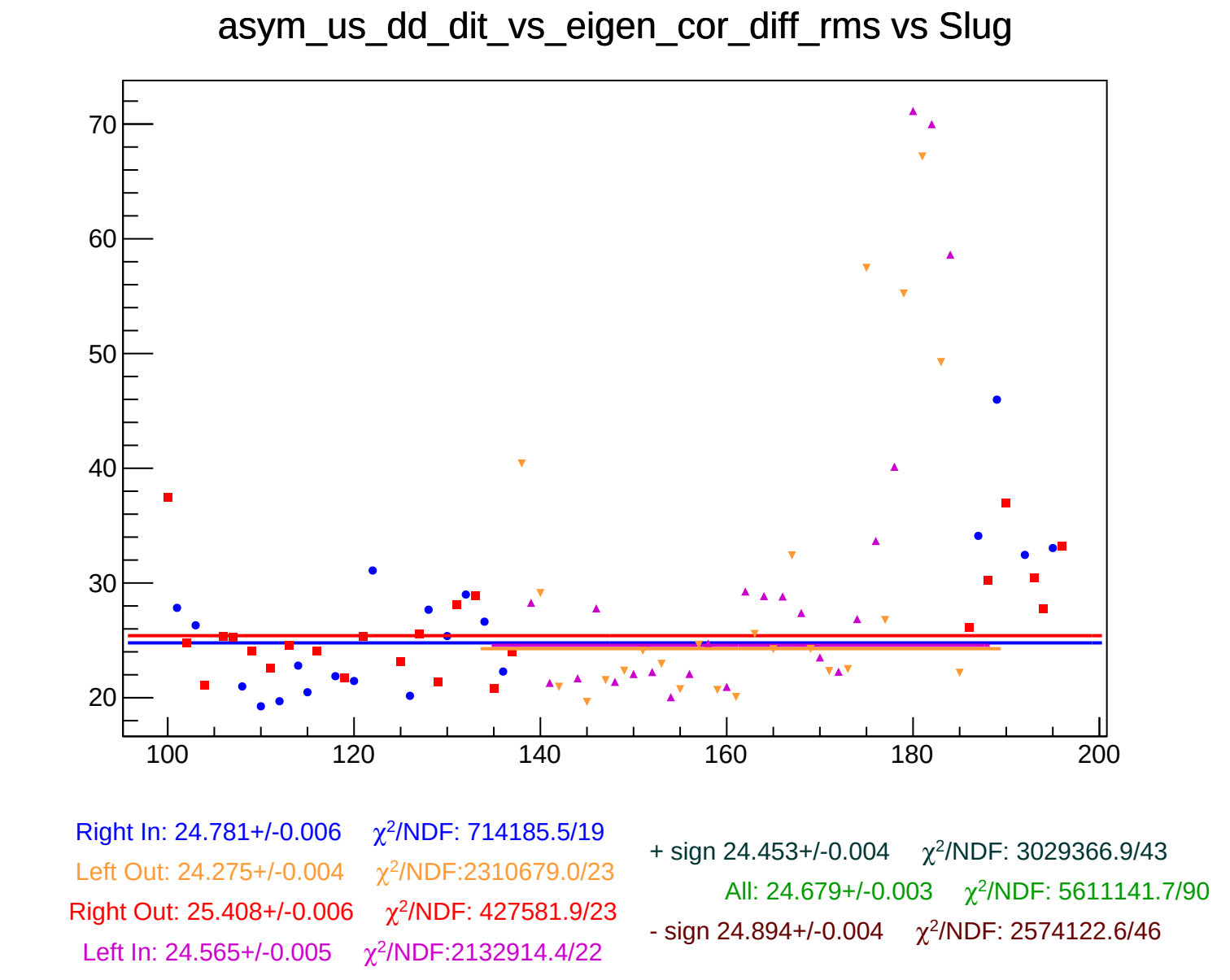
Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

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

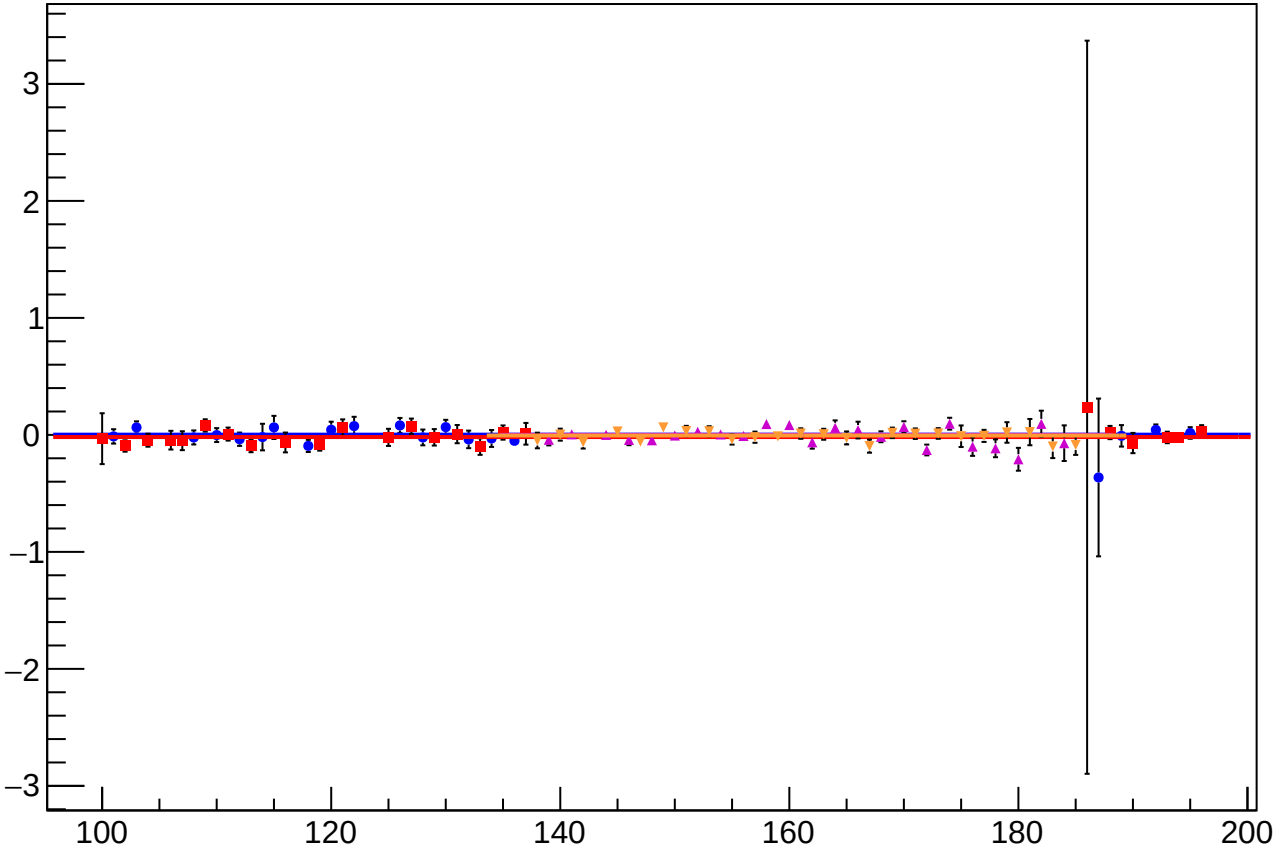
+ sign -0.001+/-0.005 χ^2/NDF: 26.5/43

All: -0.002+/-0.004 χ^2/NDF: 83.1/90

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


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 24.781+/-0.006 χ²/NDF: 714185.5/19
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.408+/-0.006 χ²/NDF: 427581.9/23
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
+ sign 24.453+/-0.004 χ²/NDF: 3029366.9/43
All: 24.679+/-0.003 χ²/NDF: 5611141.7/90
- sign 24.894+/-0.004 χ²/NDF: 2574122.6/46

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.002+/-0.014 χ^2/NDF: 12.9/19

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

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

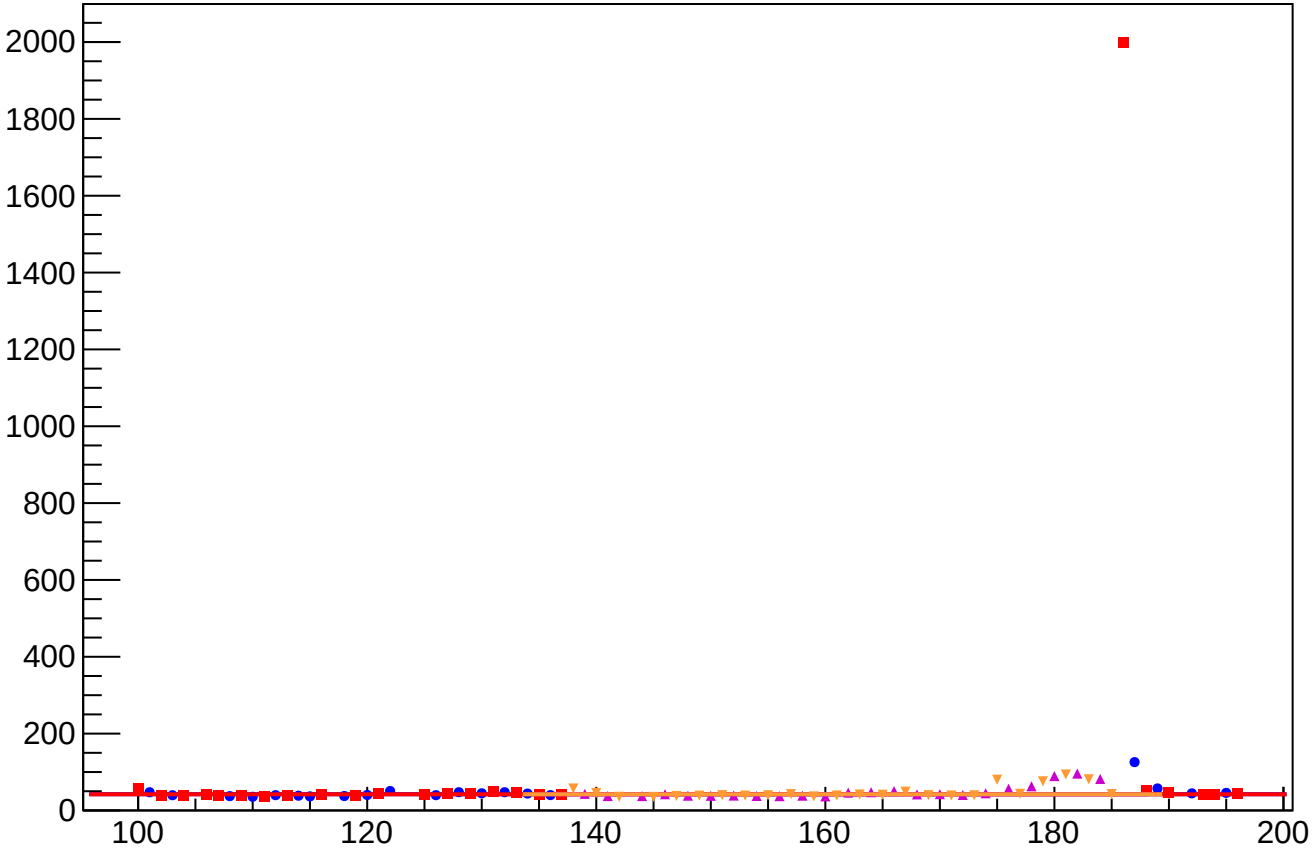
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 27.0/43

All: -0.005+/-0.006 χ^2/NDF: 83.6/90

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.318+/-0.010 χ^2/NDF: 242475.5/19

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

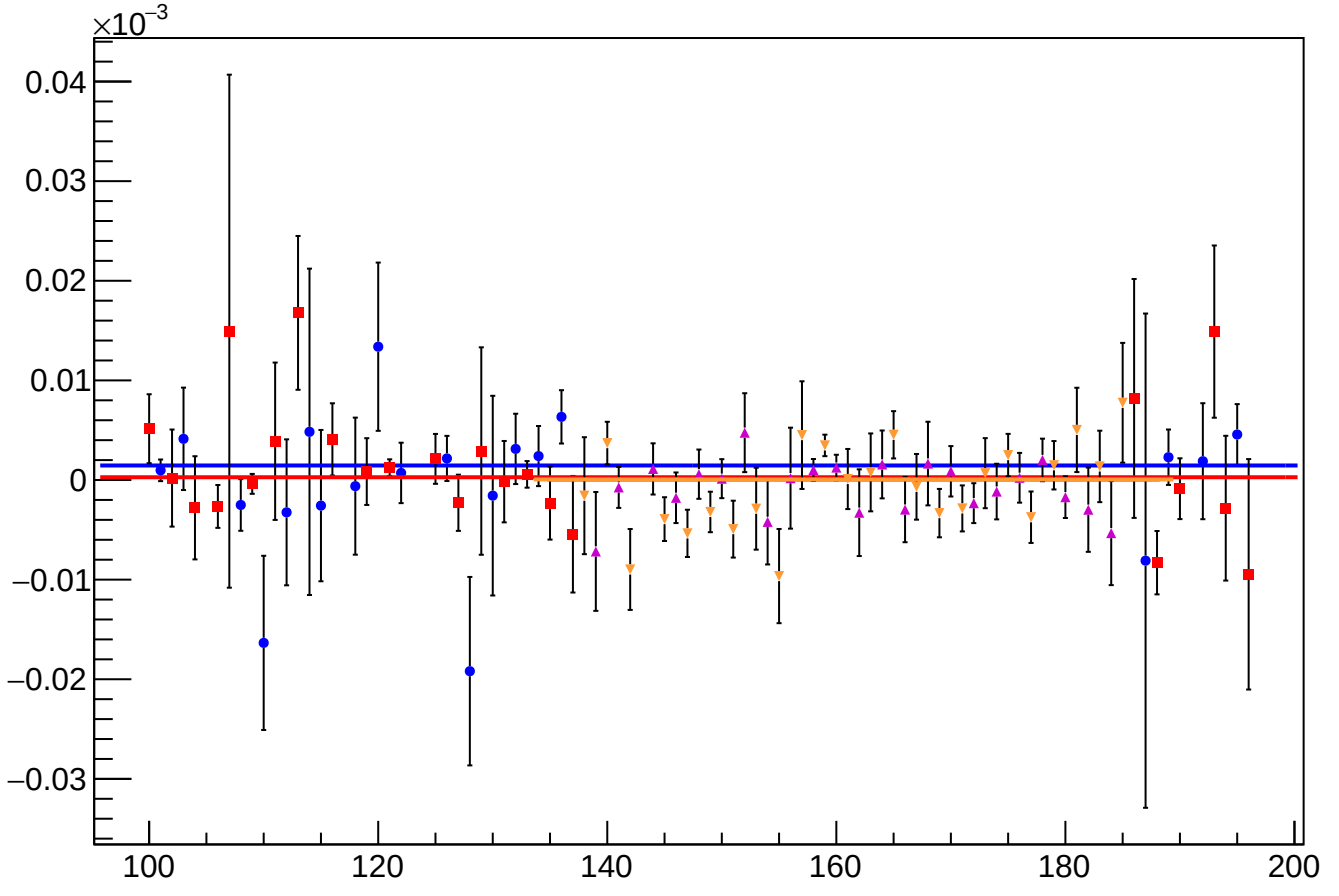
Right Out: 42.069+/-0.009 χ^2/NDF: 956545.3/23

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

+ sign 42.169+/-0.006 χ^2/NDF: 1958867.7/43

All: 42.120+/-0.004 χ^2/NDF: 4459052.1/90

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



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/19

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

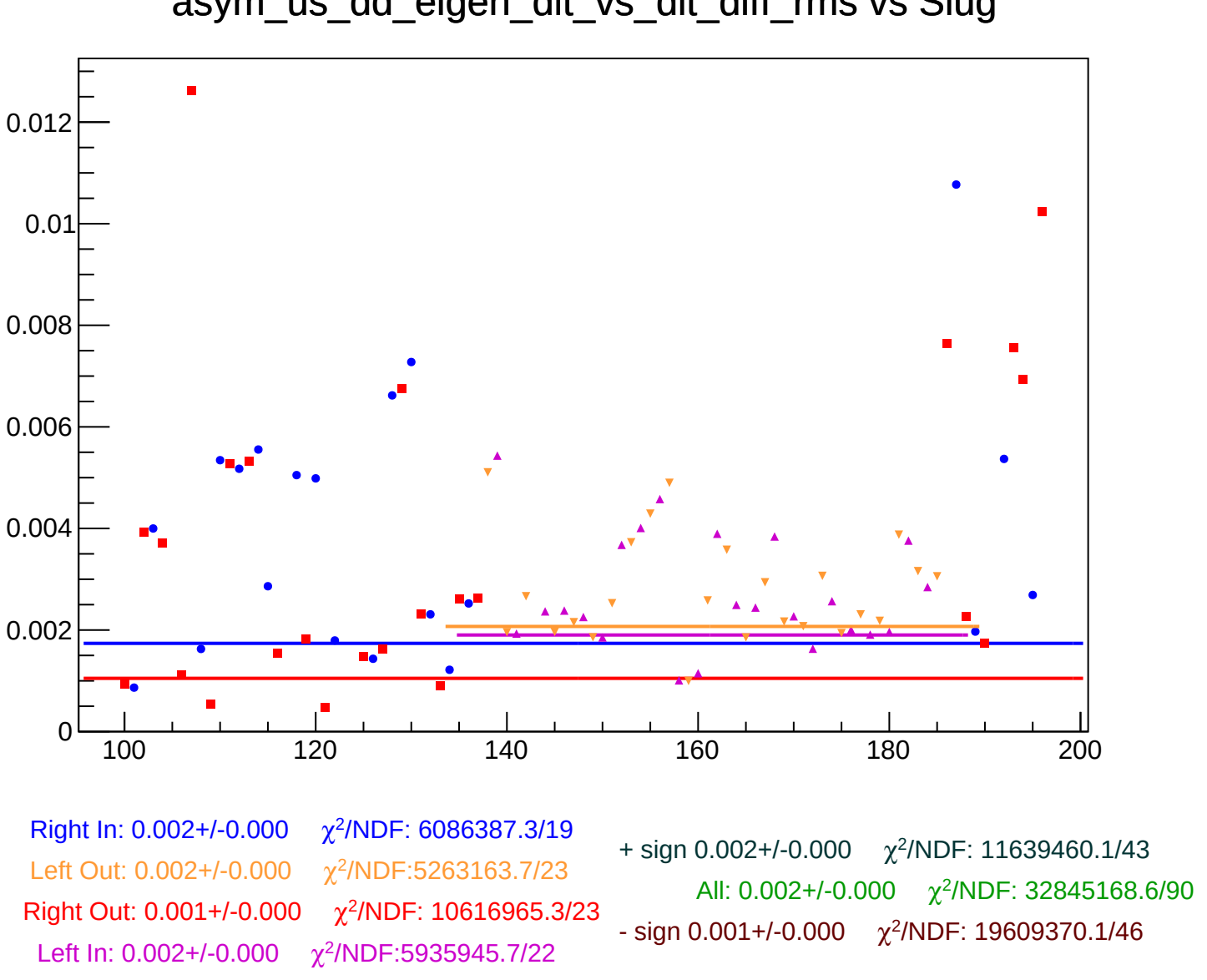
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/23

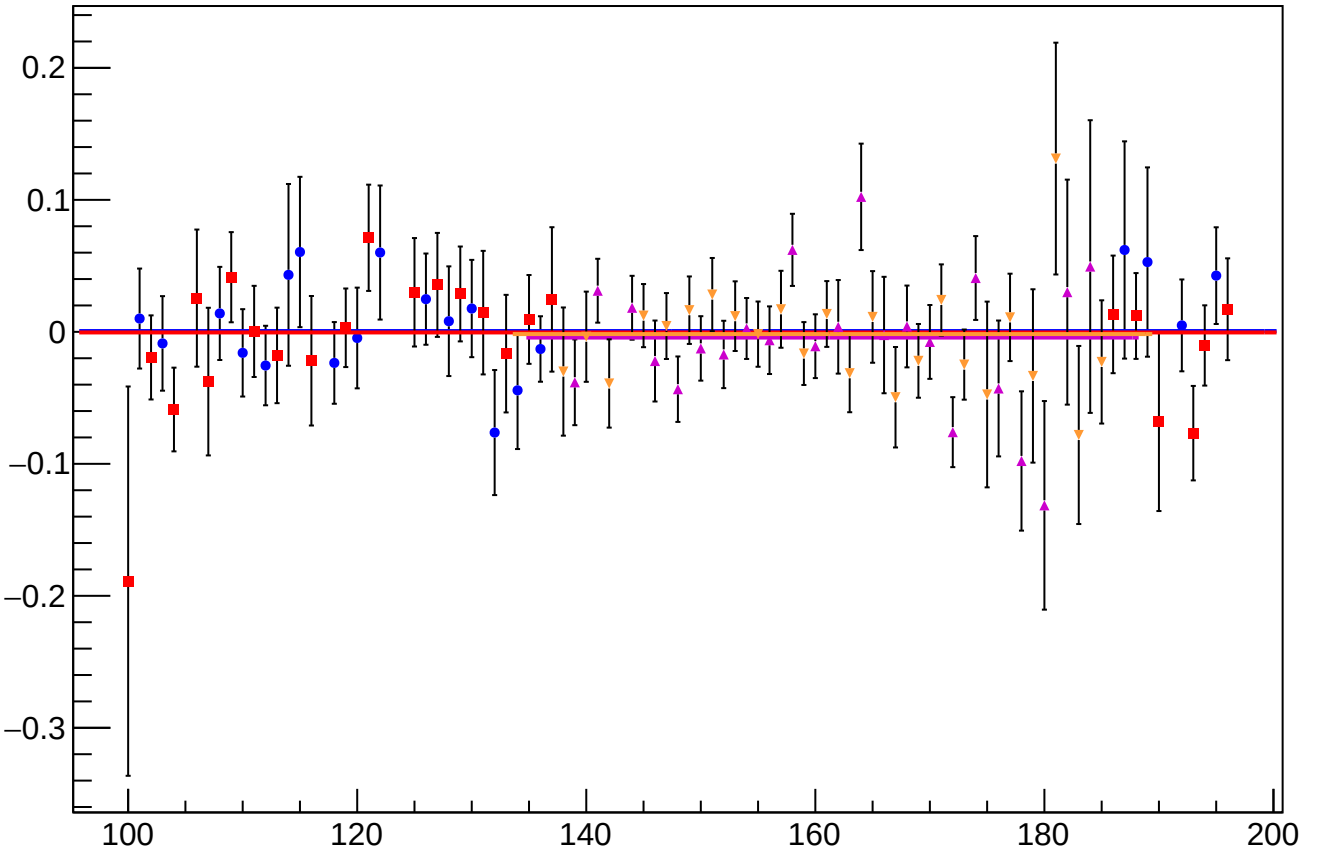
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/43

All: 0.000+/-0.000 χ^2/NDF: 114.3/90

- sign 0.000+/-0.000 χ^2/NDF: 39.9/46


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6086387.3/19
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 10616965.3/23
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 11639460.1/43
All: 0.002+/-0.000 χ²/NDF: 32845168.6/90
- sign 0.001+/-0.000 χ²/NDF: 19609370.1/46



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

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

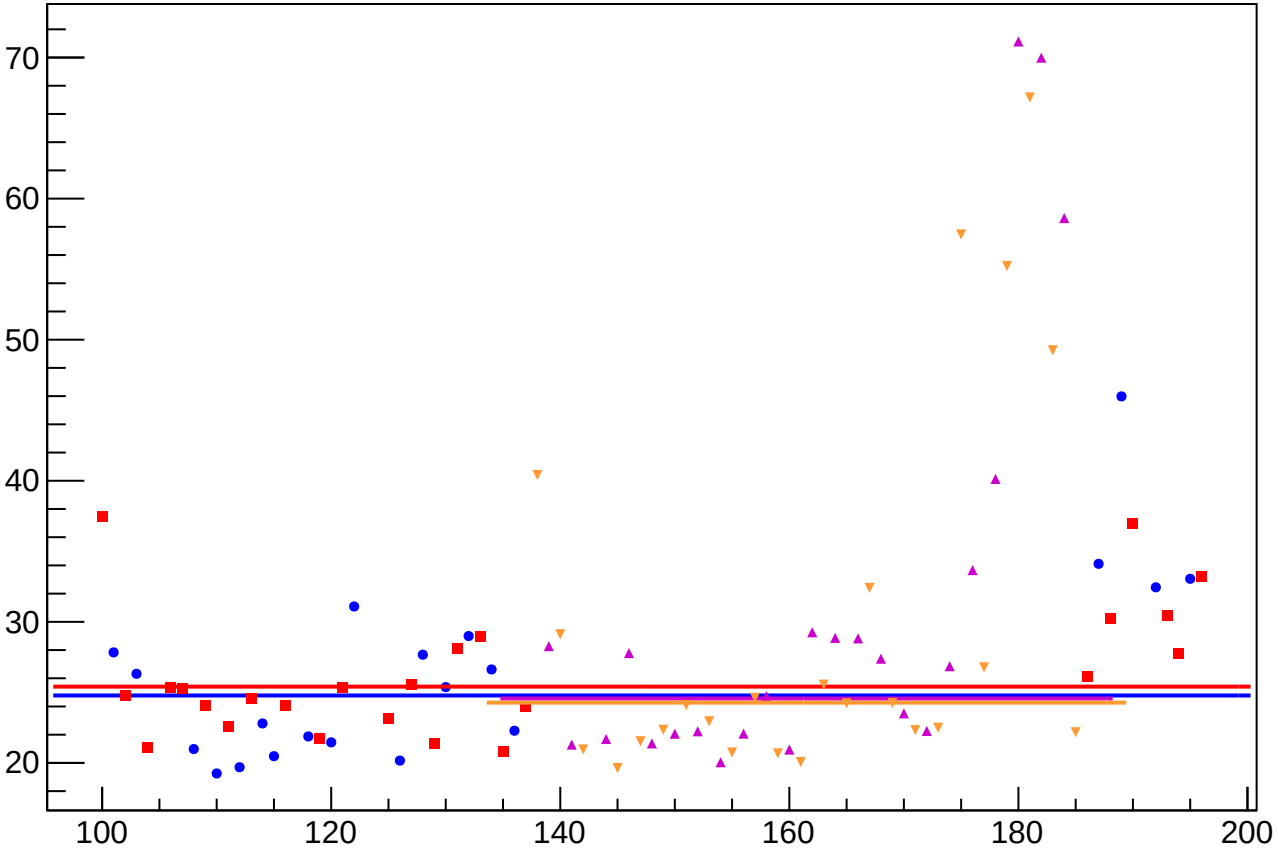
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.5/43

All: -0.002+/-0.004 χ^2/NDF: 83.1/90

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.780+/-0.006 χ^2/NDF: 714217.2/19

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

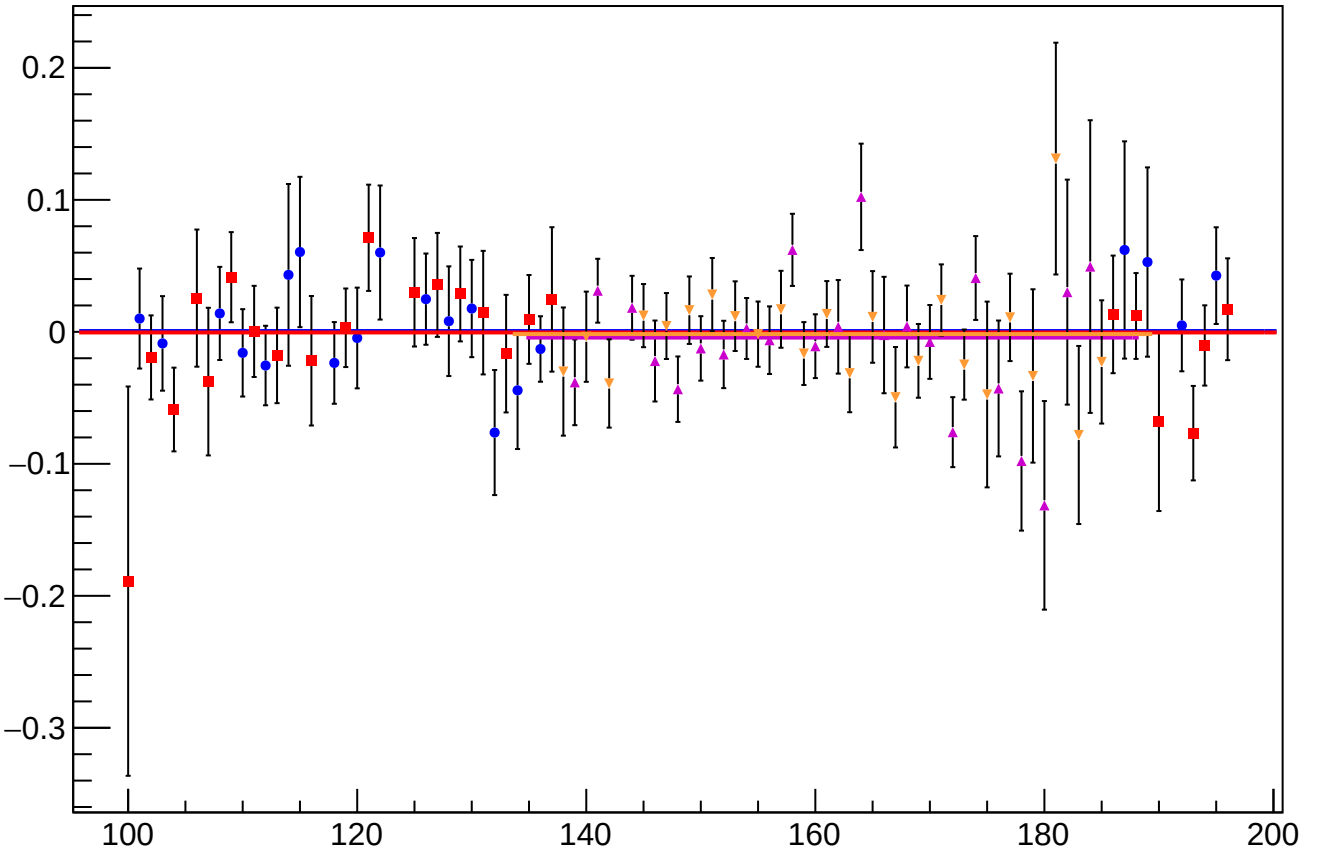
Right Out: 25.408+/-0.006 χ^2/NDF: 427511.0/23

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

+ sign 24.453+/-0.004 χ^2/NDF: 3029391.7/43

All: 24.679+/-0.003 χ^2/NDF: 5610968.8/90

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



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

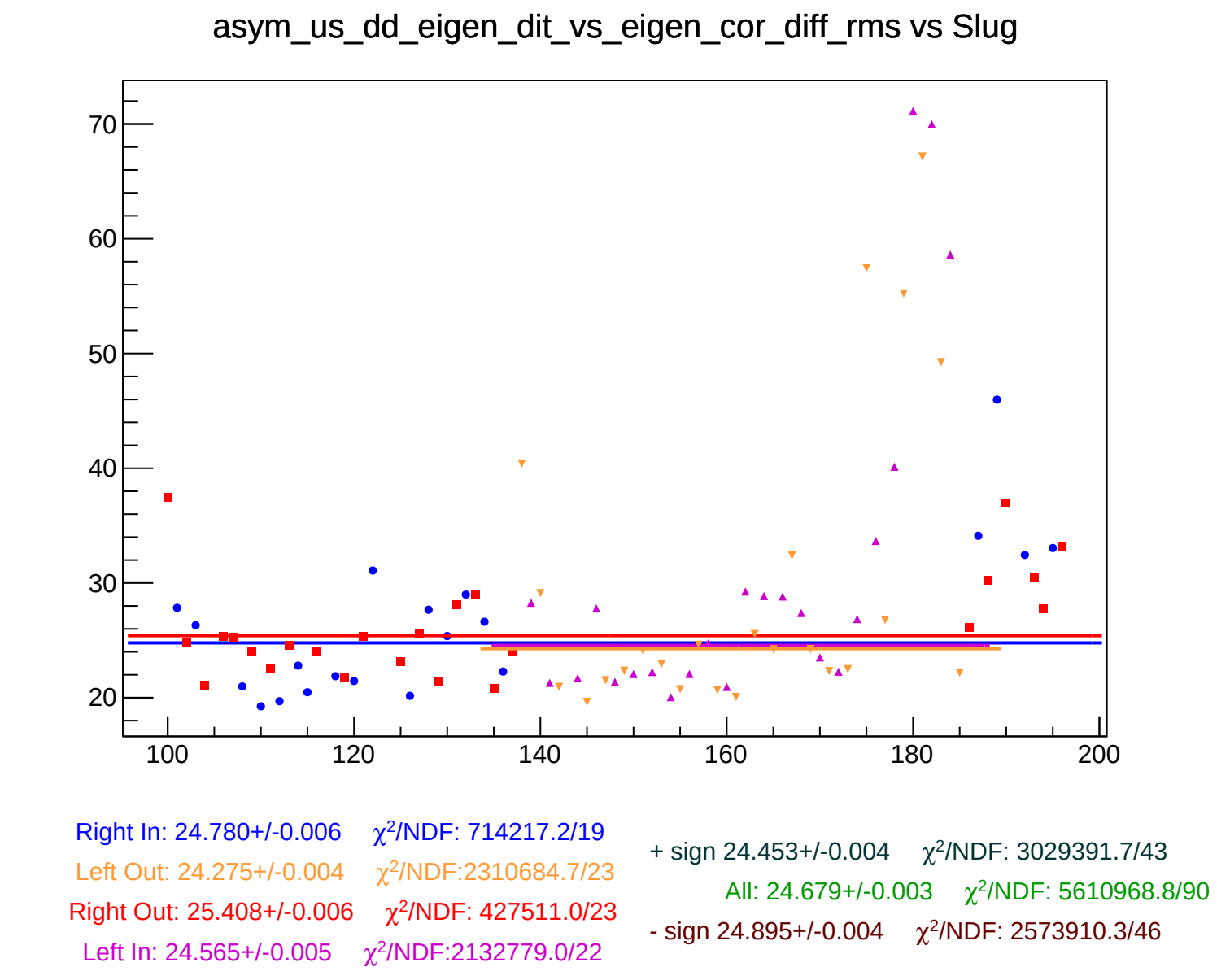
Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

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

+ sign -0.001+/-0.005 χ^2/NDF: 26.5/43

All: -0.002+/-0.004 χ^2/NDF: 83.1/90

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


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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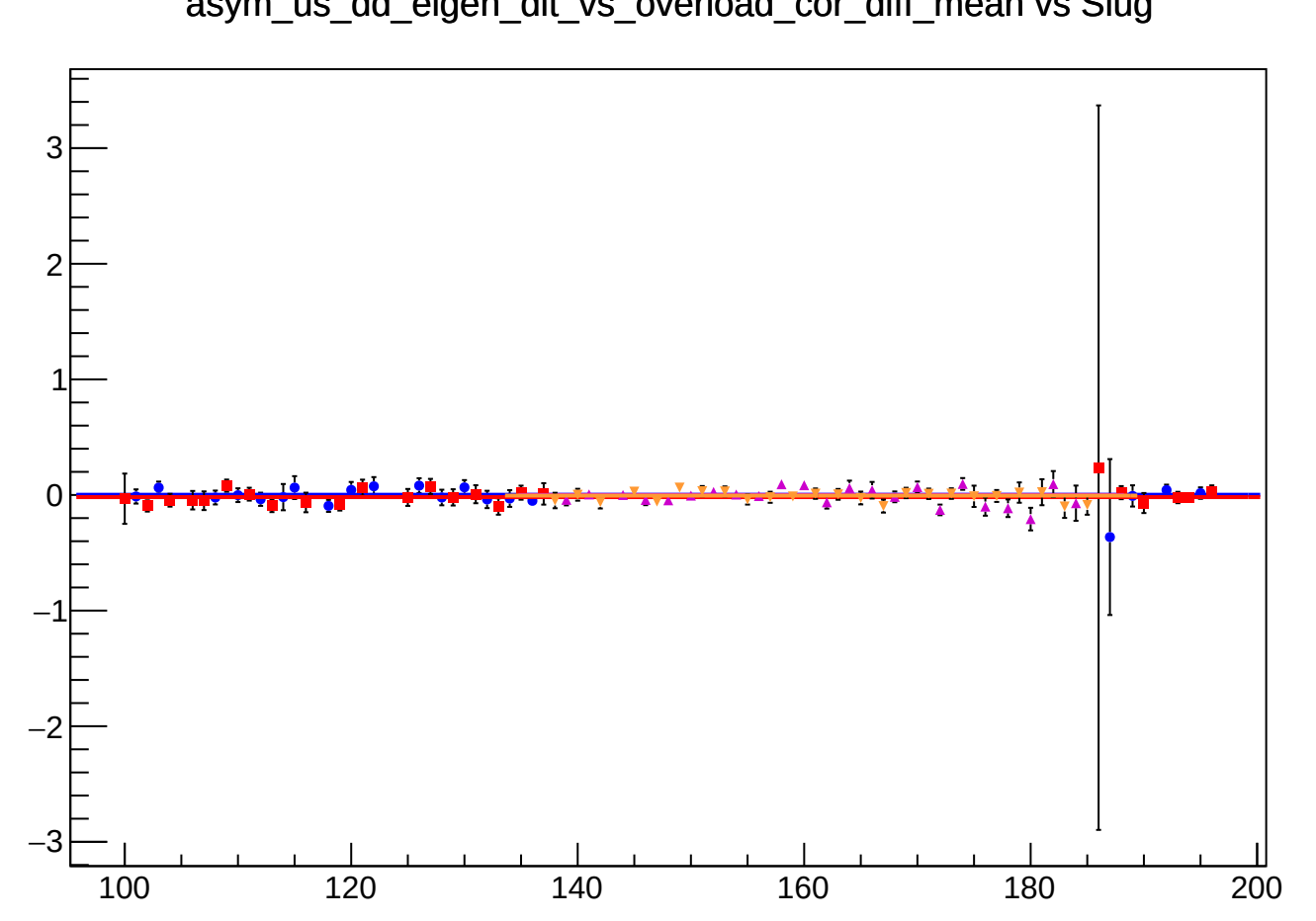
Right In: 24.780+/-0.006 χ²/NDF: 714217.2/19
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 25.408+/-0.006 χ²/NDF: 427511.0/23
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
+ sign 24.453+/-0.004 χ²/NDF: 3029391.7/43
All: 24.679+/-0.003 χ²/NDF: 5610968.8/90
- sign 24.895+/-0.004 χ²/NDF: 2573910.3/46



Right In: 0.002+/-0.014 χ^2/NDF: 12.9/19

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

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

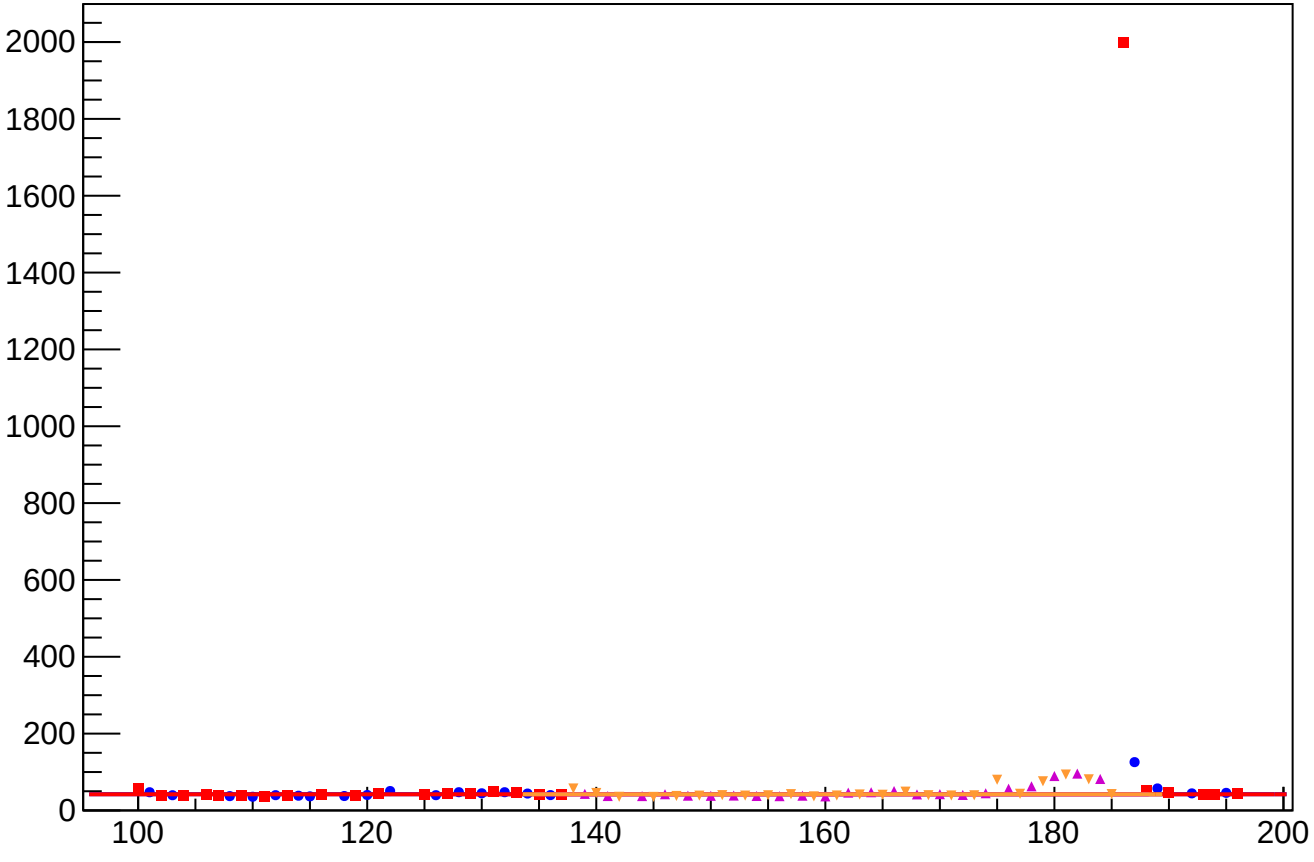
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 27.0/43

All: -0.005+/-0.006 χ^2/NDF: 83.6/90

- 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: 42.318+/-0.010 χ^2/NDF: 242455.0/19

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

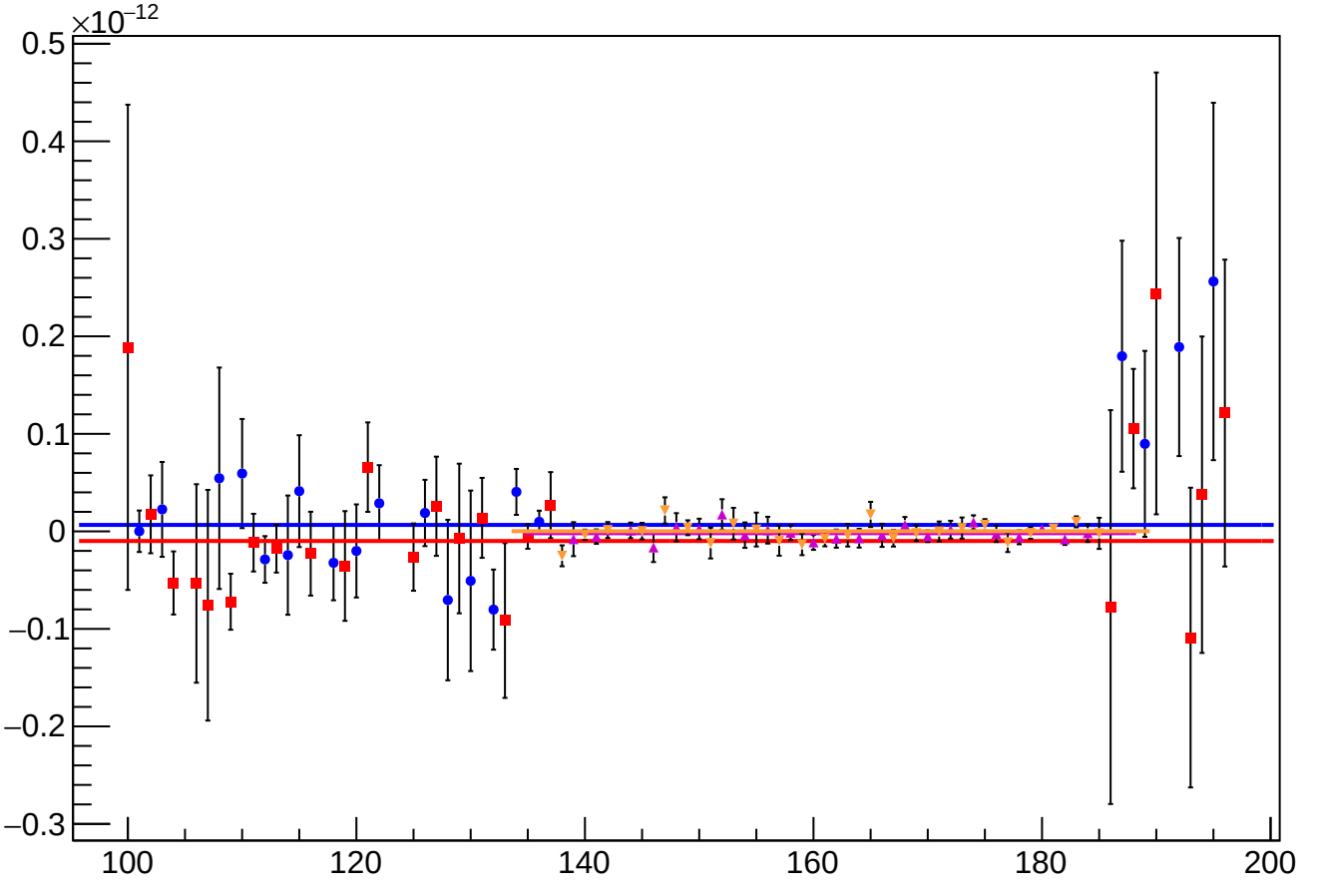
Right Out: 42.069+/-0.009 χ^2/NDF: 956541.6/23

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

+ sign 42.169+/-0.006 χ^2/NDF: 1958836.6/43

All: 42.120+/-0.004 χ^2/NDF: 4458992.5/90

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



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/19

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

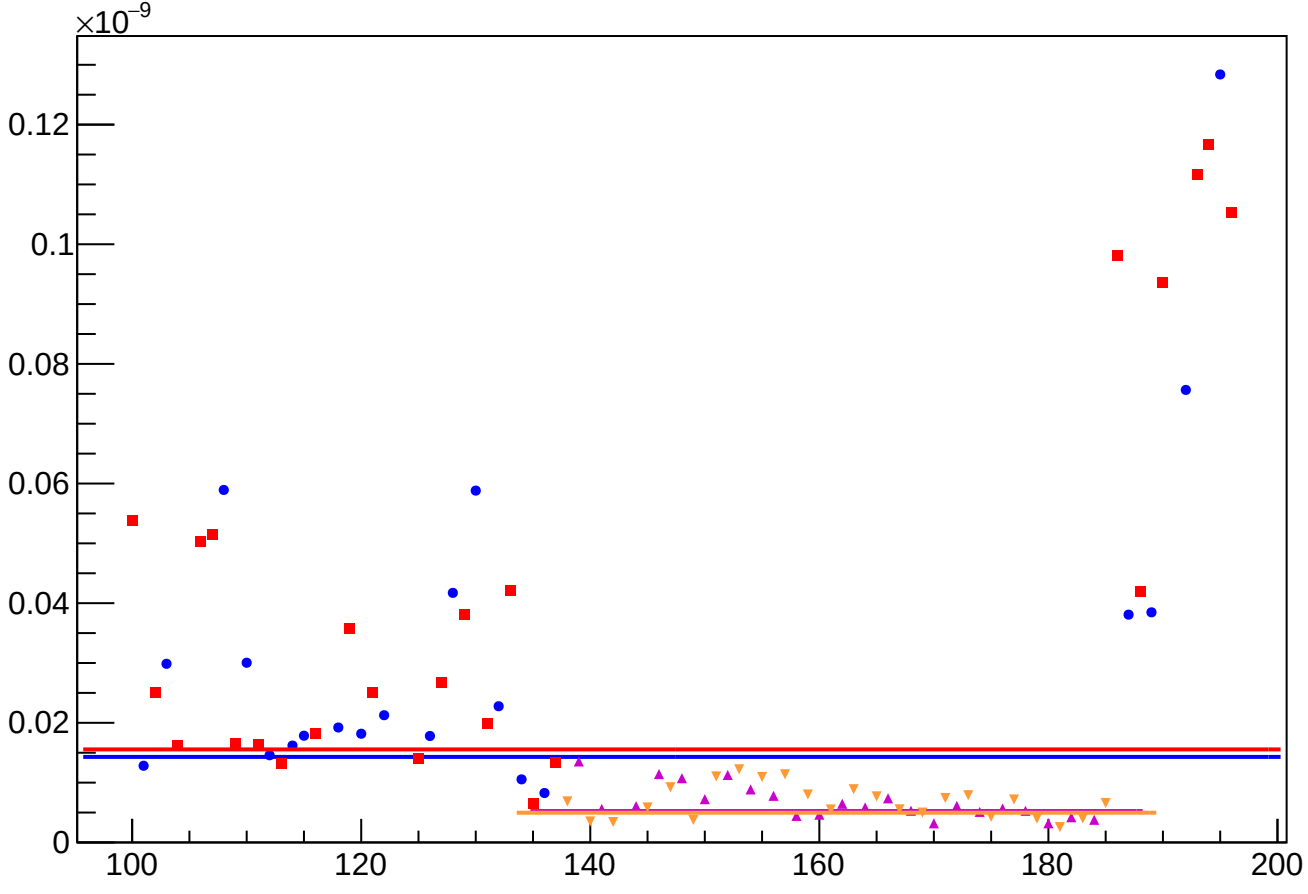
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/43

All: -0.000+/-0.000 χ^2/NDF: 78.0/90

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



Right In: 0.000+/-0.000 χ^2/NDF: 3792197.8/19

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

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

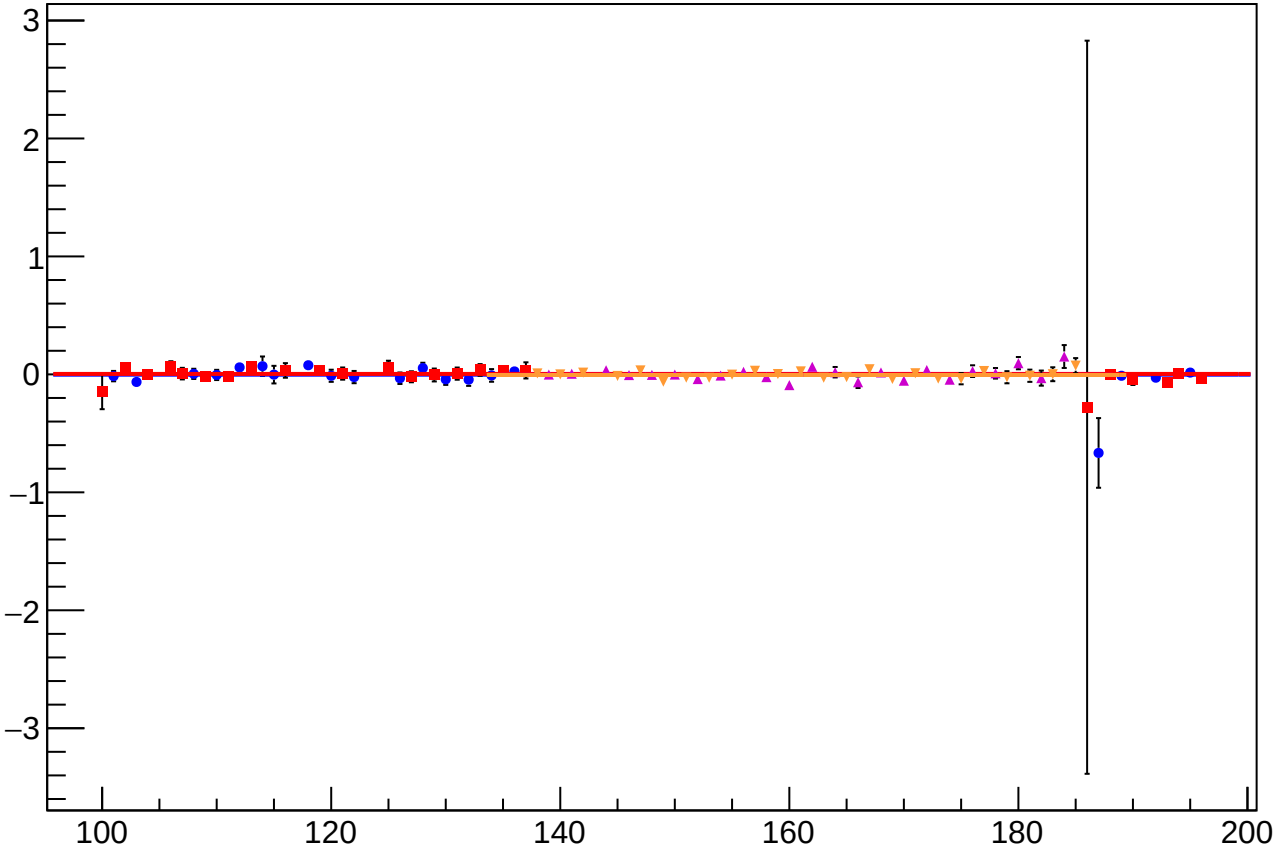
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10417296.4/43

All: 0.000+/-0.000 χ^2/NDF: 22172791.4/90

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 21.9/19

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

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

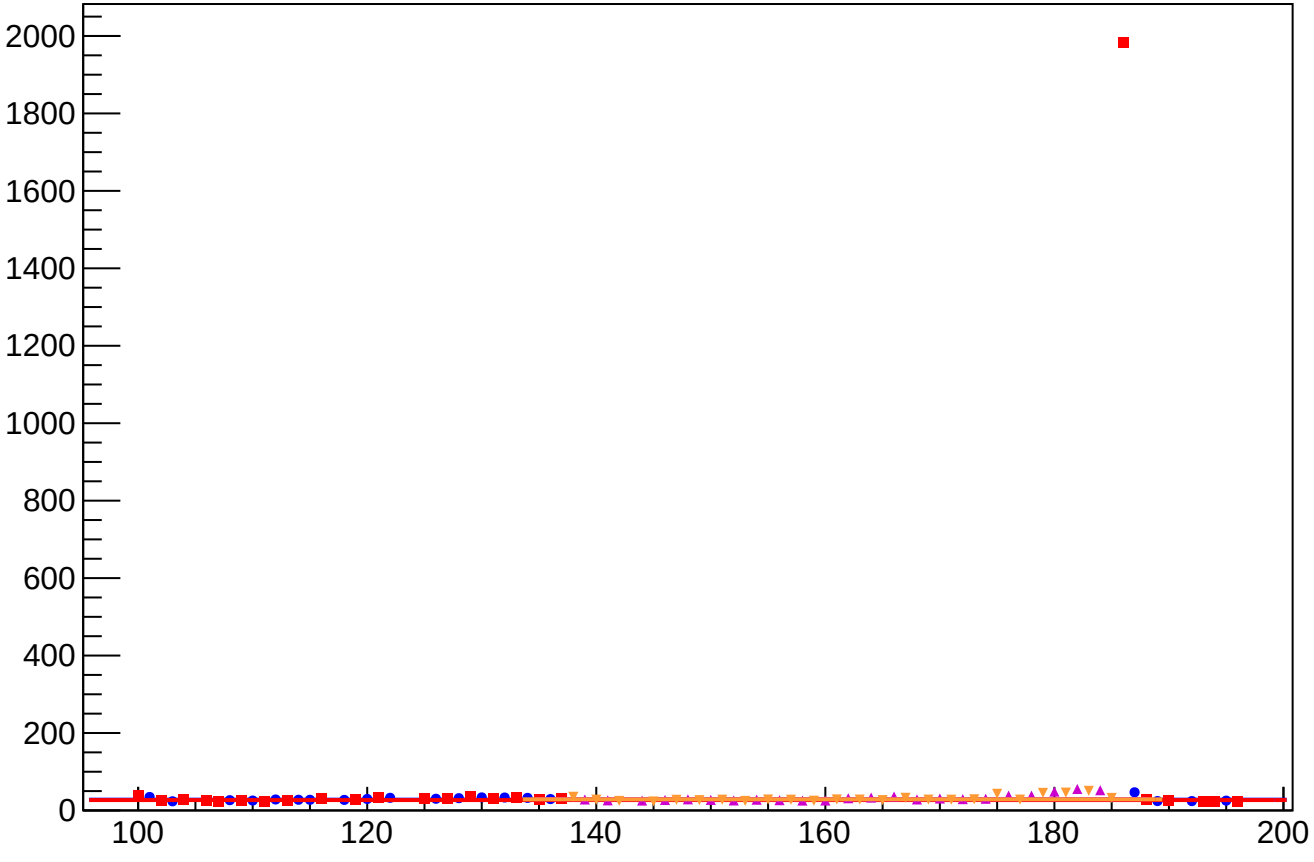
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 38.7/43

All: -0.002+/-0.004 χ^2/NDF: 91.5/90

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

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.809+/-0.007 χ^2/NDF: 284366.6/19

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

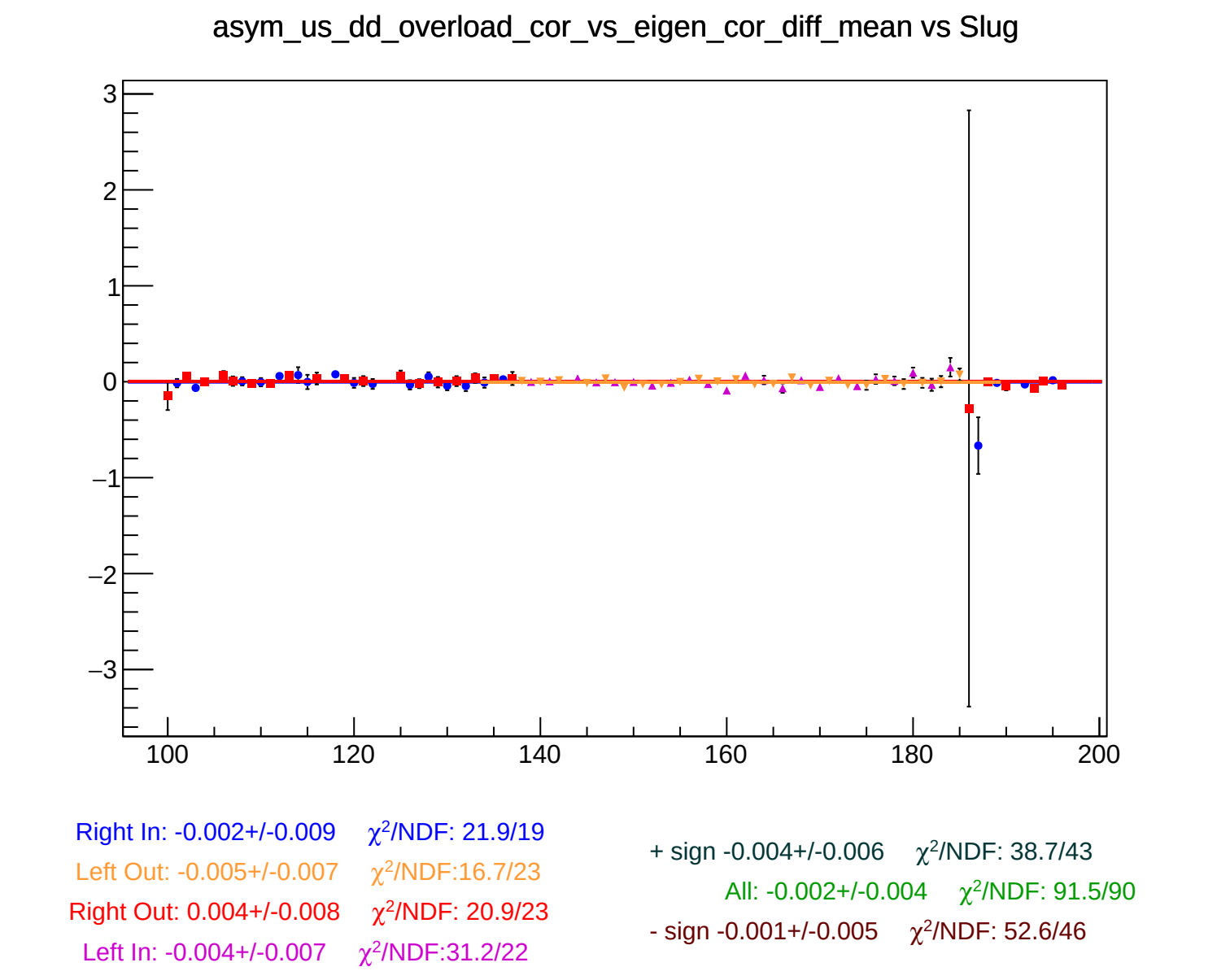
Right Out: 26.827+/-0.006 χ^2/NDF: 1078359.9/23

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

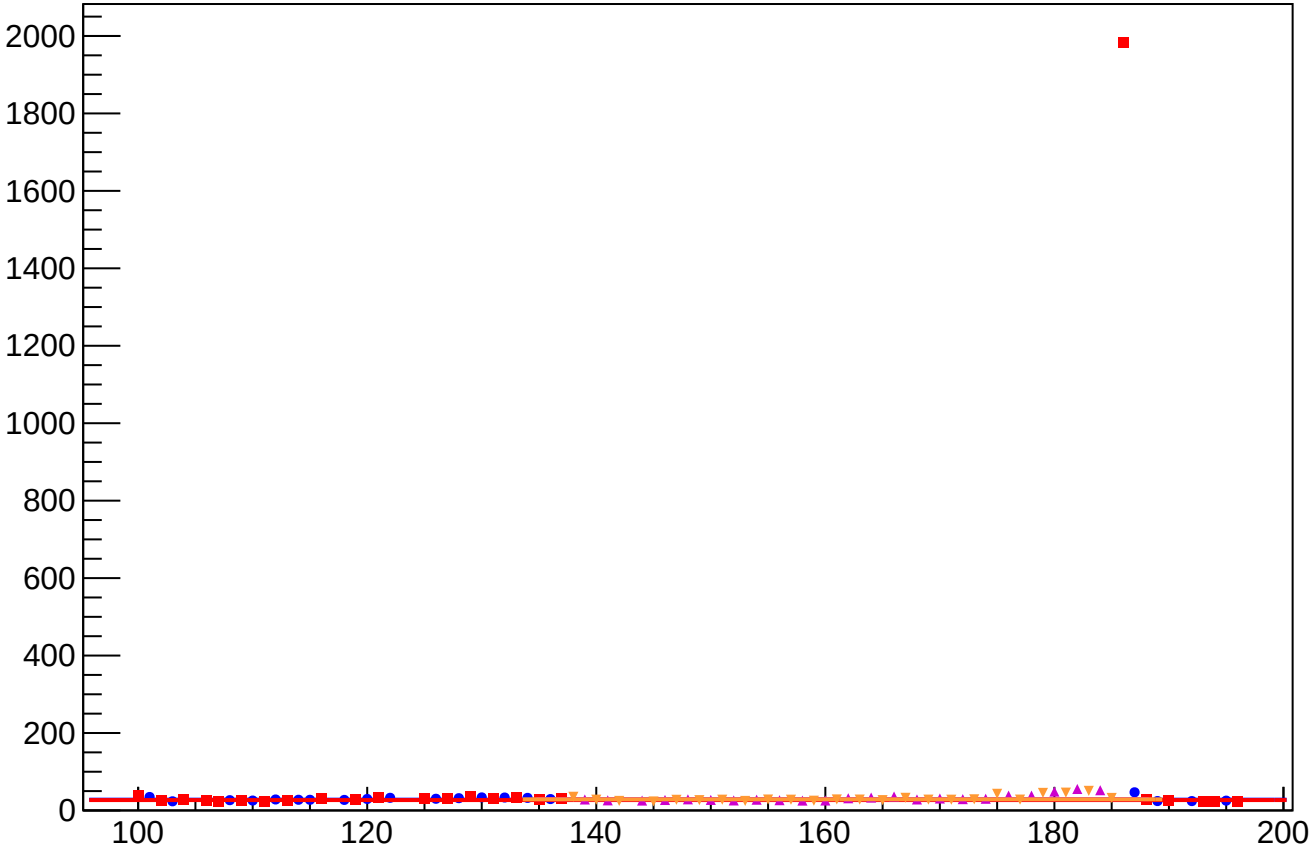
+ sign 28.429+/-0.004 χ^2/NDF: 1468716.8/43

All: 28.331+/-0.003 χ^2/NDF: 3784405.4/90

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


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.002+/-0.009 χ²/NDF: 21.9/19
Left Out: -0.005+/-0.007 χ²/NDF:16.7/23
Right Out: 0.004+/-0.008 χ²/NDF: 20.9/23
Left In: -0.004+/-0.007 χ²/NDF:31.2/22
+ sign -0.004+/-0.006 χ²/NDF: 38.7/43
All: -0.002+/-0.004 χ²/NDF: 91.5/90
- sign -0.001+/-0.005 χ²/NDF: 52.6/46

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.809+/-0.007 χ^2/NDF: 284366.6/19

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

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

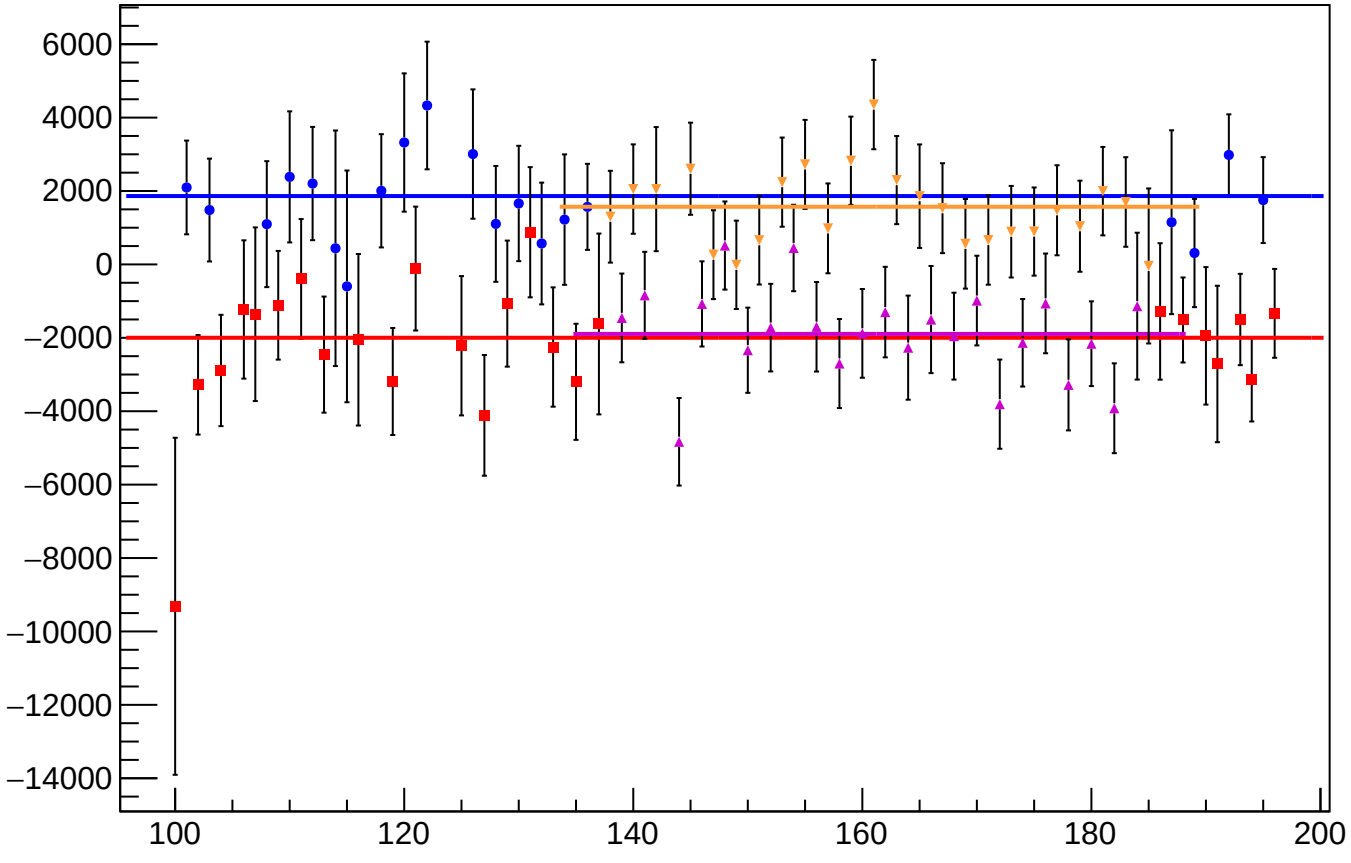
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

\+ sign 28.429+/-0.004 χ^2/NDF: 1468716.8/43

All: 28.331+/-0.003 χ^2/NDF: 3784405.4/90

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

reg_asym_usl_mean vs Slug



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

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

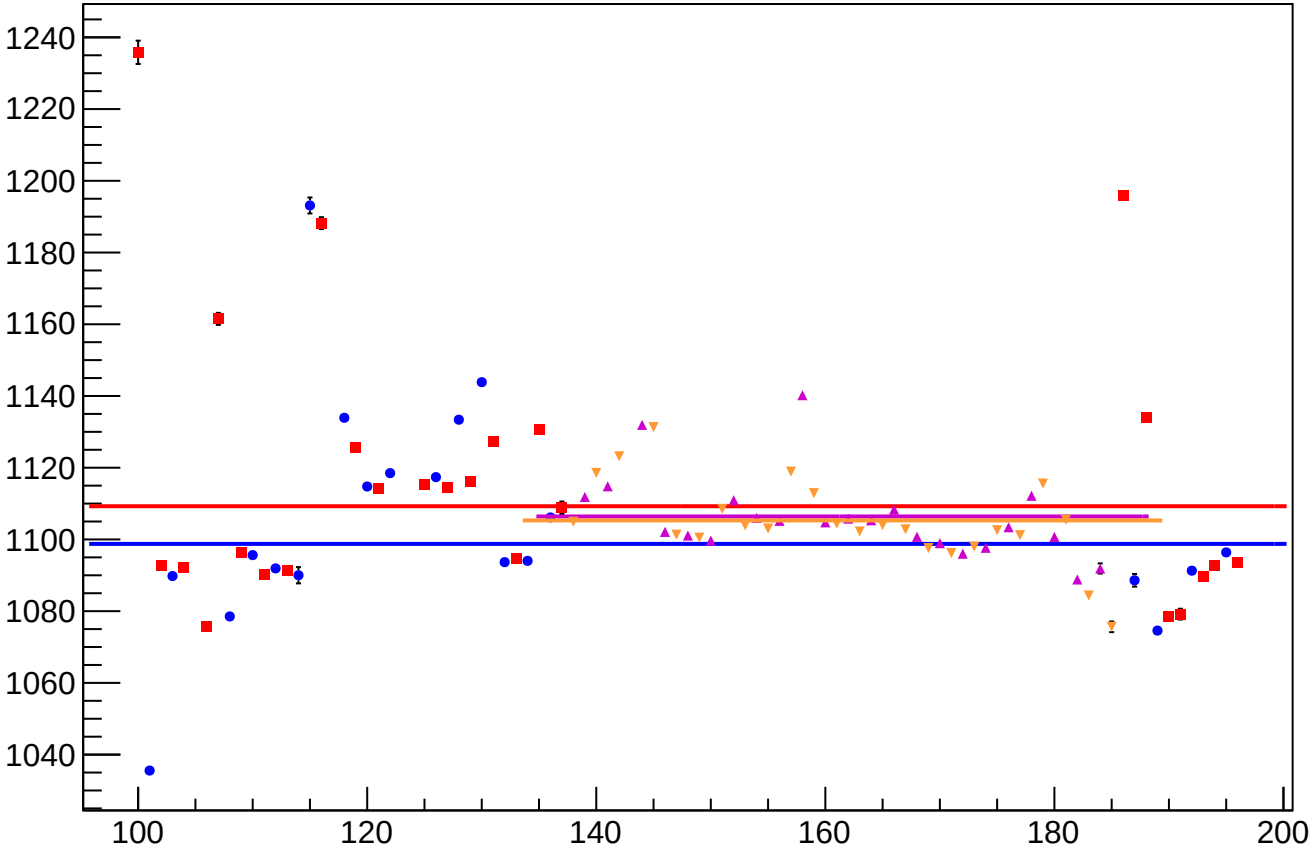
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

\+ sign 1672.657+/-207.068 χ^2/NDF: 23.4/43

All: -178.860+/-144.458 χ^2/NDF: 217.8/91

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

reg_asym_usl_rms vs Slug



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

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

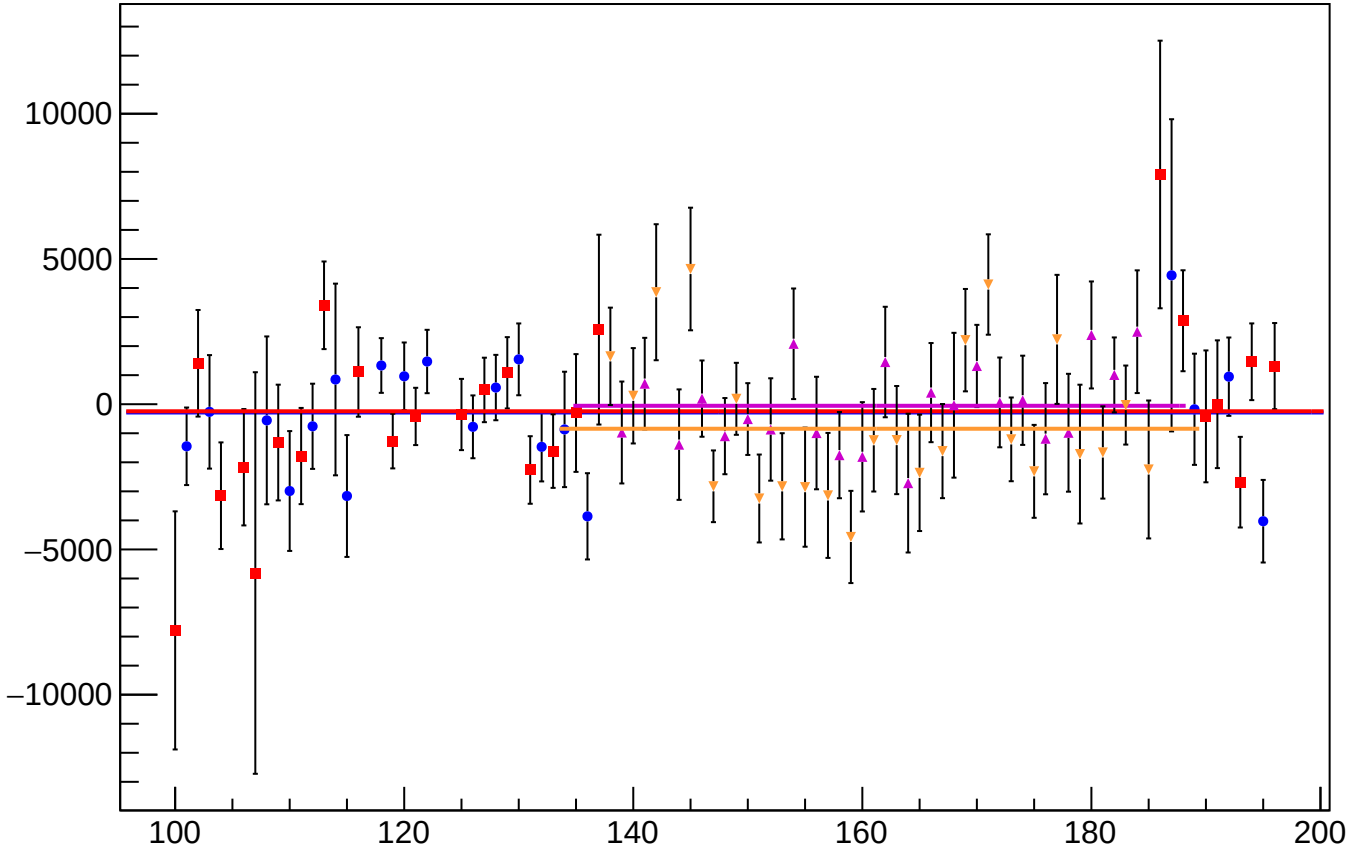
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

\+ sign 1103.016+/-0.146 χ^2/NDF: 15774.3/43

All: 1105.328+/-0.102 χ^2/NDF: 35314.5/91

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

asym_usl_reg_correction_mean vs Slug



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

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

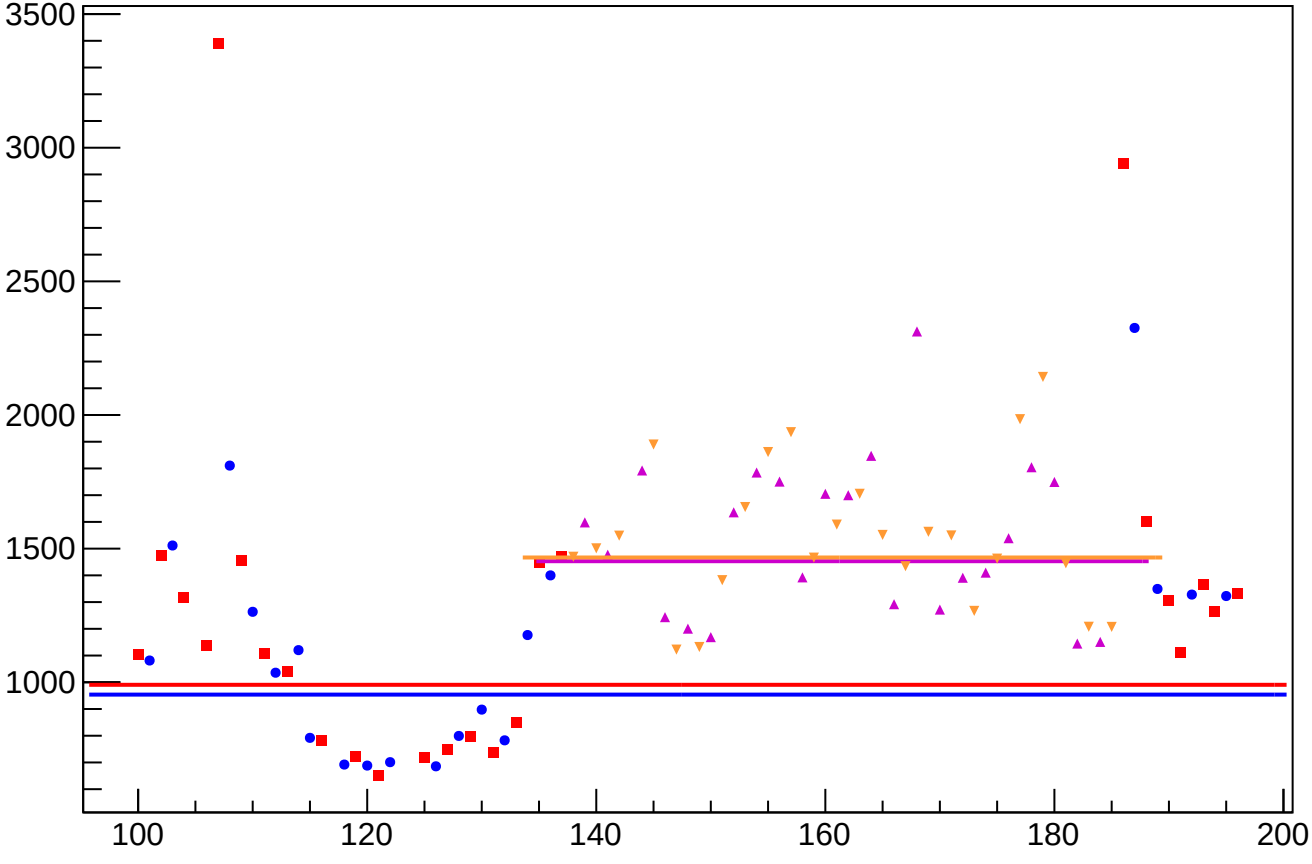
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.323+/-235.565 χ^2/NDF: 75.2/43

All: -346.298+/-164.414 χ^2/NDF: 125.2/91

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

asym_usl_reg_correction_rms vs Slug



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

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

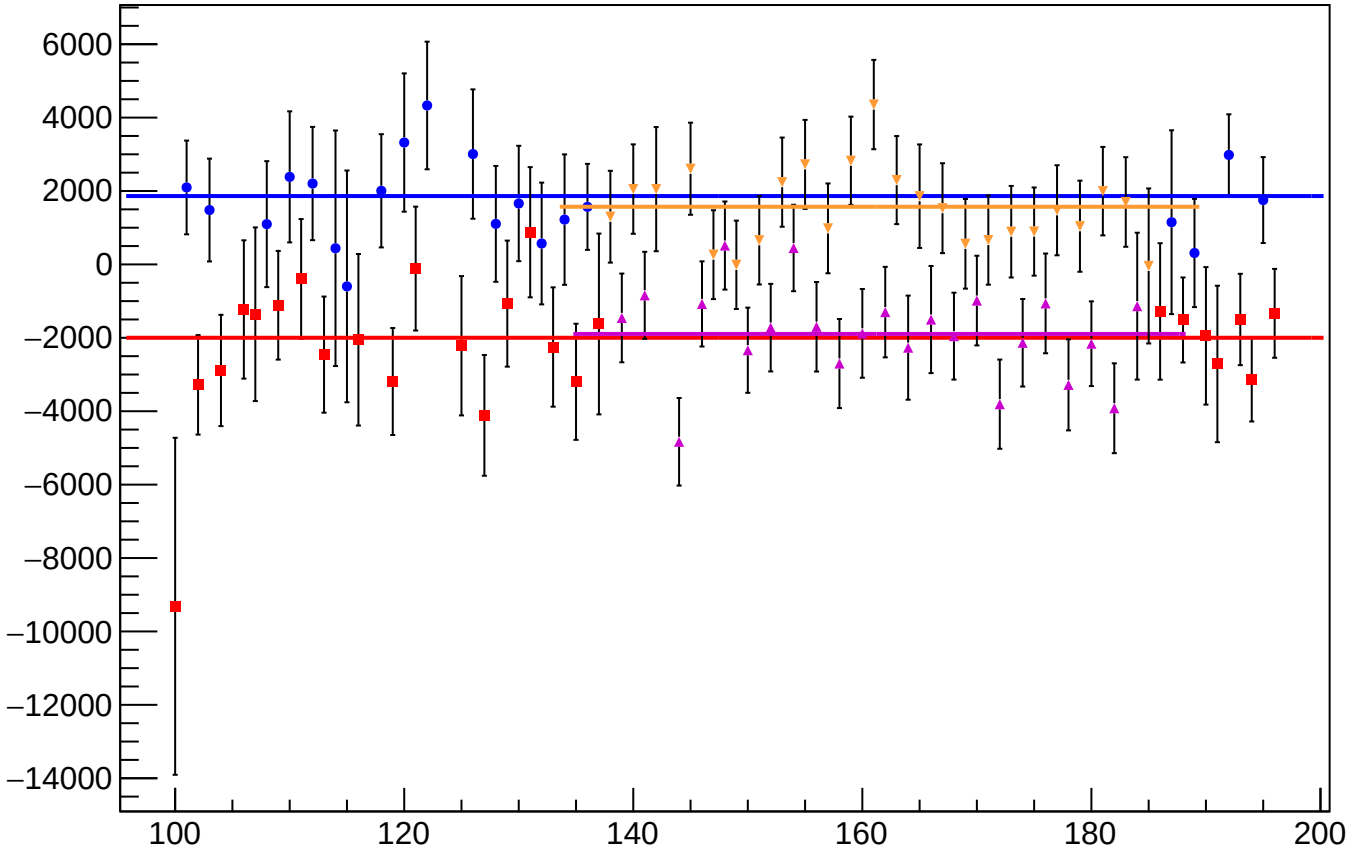
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1189.790+/-0.167 χ^2/NDF: 5107101.1/43

All: 1192.038+/-0.116 χ^2/NDF: 10713569.7/9

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

cor_asym_usl_mean vs Slug



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

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

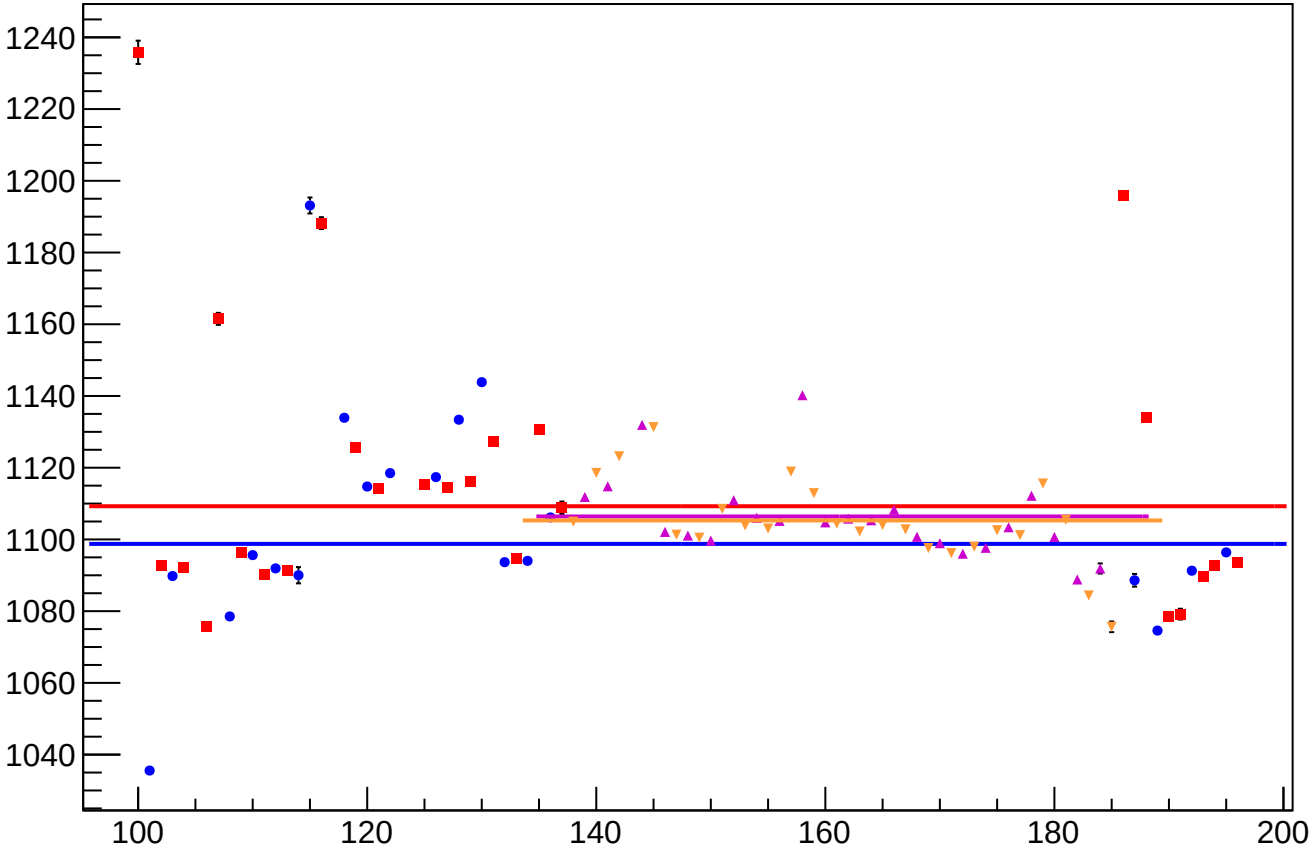
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1672.657+/-207.068 χ^2/NDF: 23.4/43

All: -178.858+/-144.458 χ^2/NDF: 217.8/91

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

cor_asym_usl_rms vs Slug



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

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

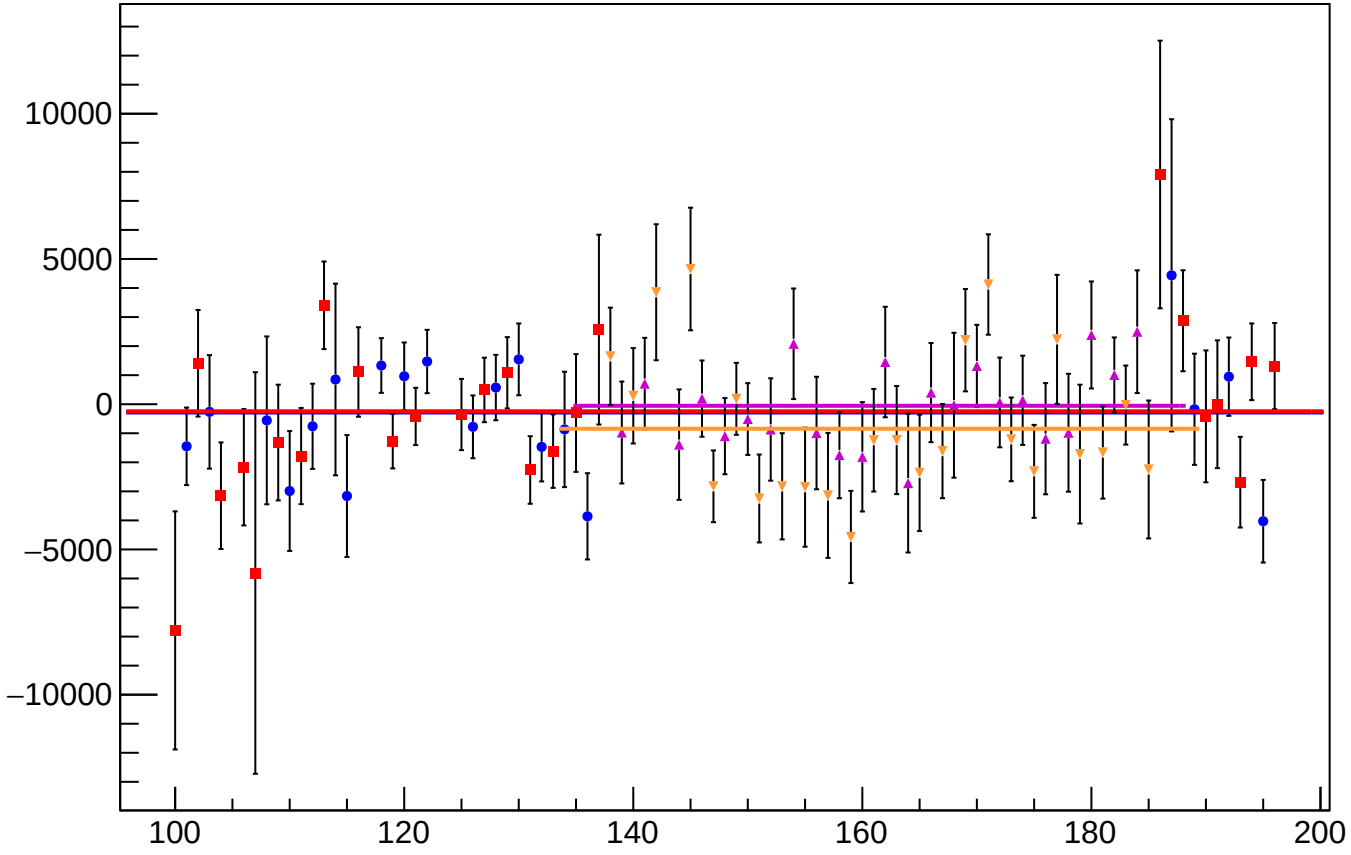
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

\+ sign 1103.016+/-0.146 χ^2/NDF: 15774.3/43

All: 1105.328+/-0.102 χ^2/NDF: 35314.5/91

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

asym_usl_cor_correction_mean vs Slug



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

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

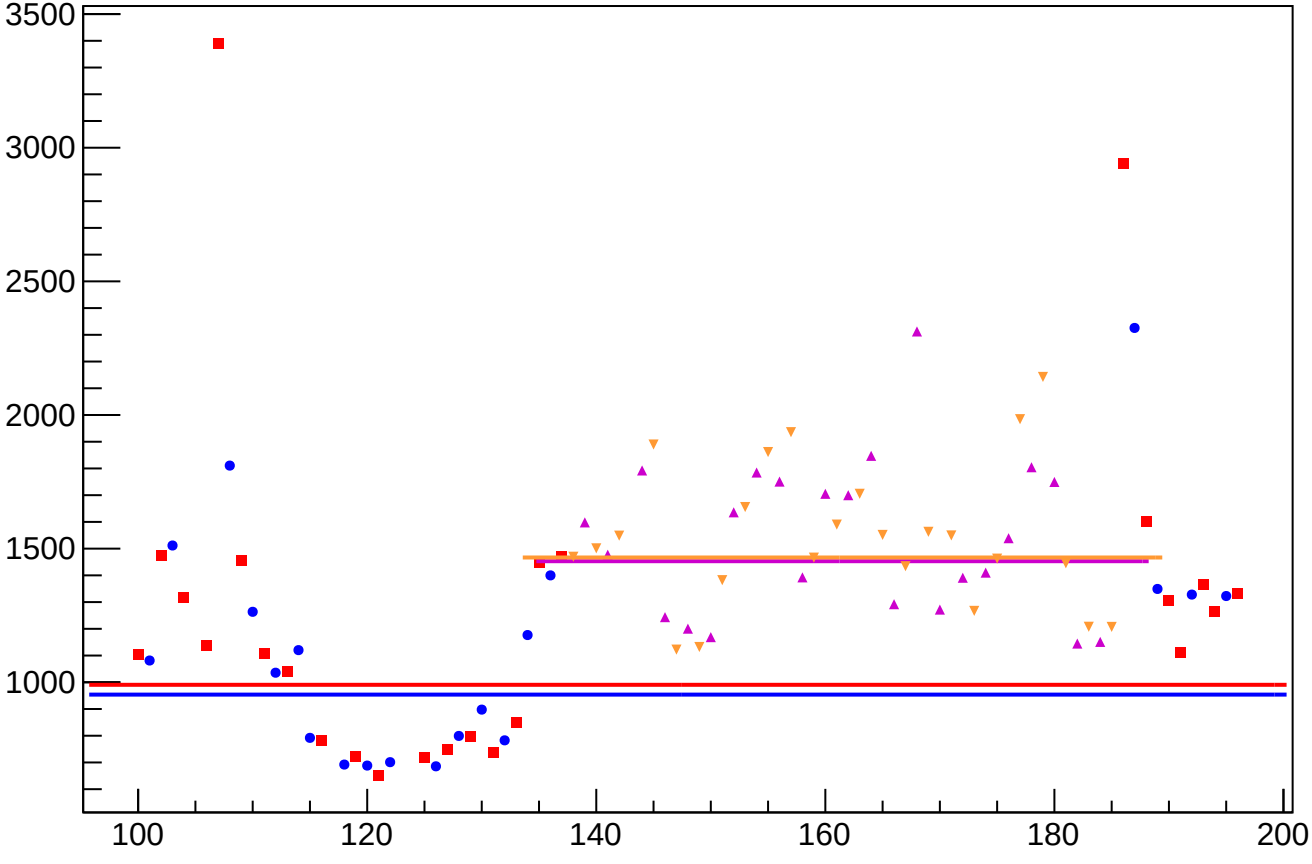
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.323+/-235.565 χ^2/NDF: 75.2/43

All: -346.298+/-164.414 χ^2/NDF: 125.2/91

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

asym_usl_cor_correction_rms vs Slug



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

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

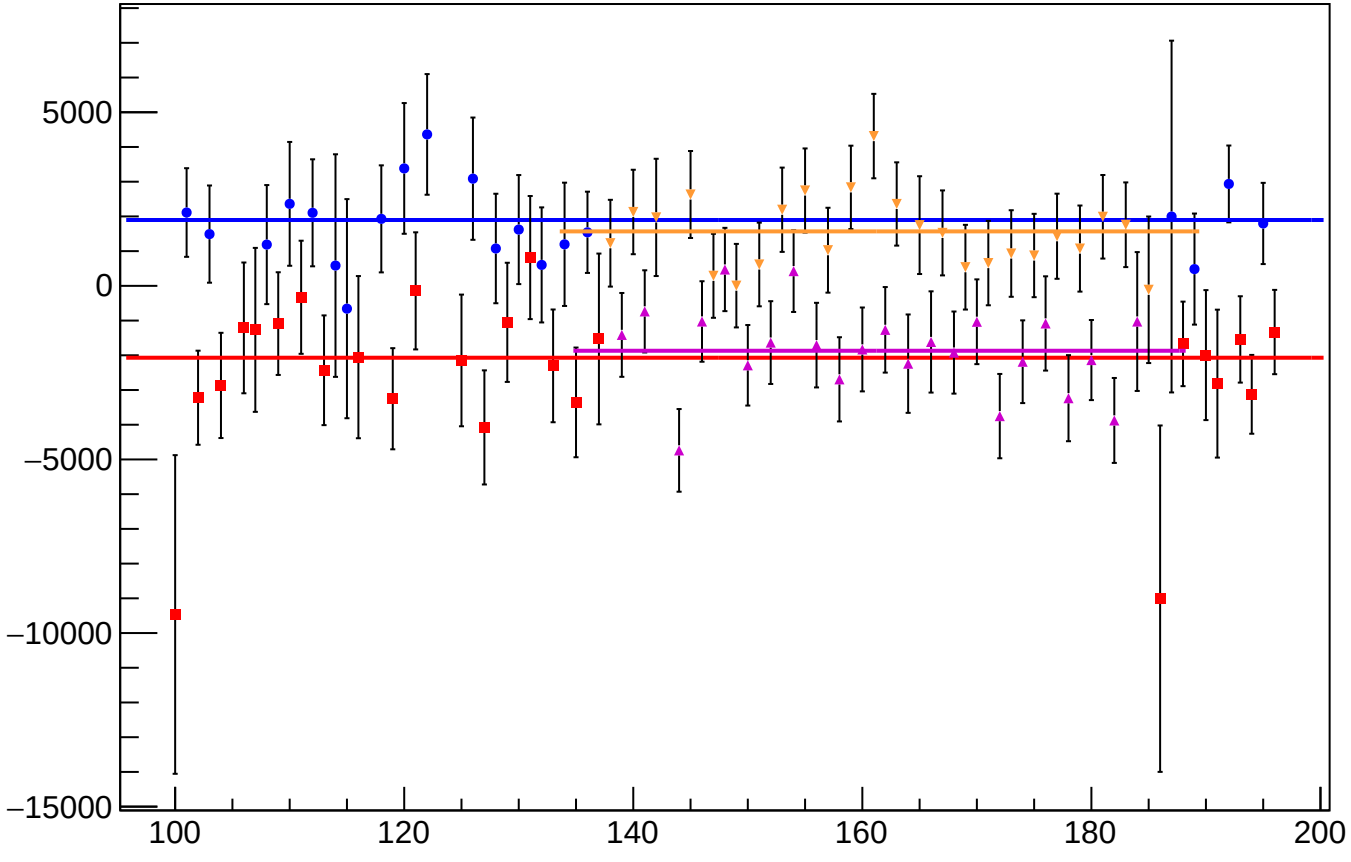
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1189.790+/-0.167 χ^2/NDF: 5107101.1/43

All: 1192.038+/-0.116 χ^2/NDF: 10713570.6/9

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

overload_cor_asym_usl_mean vs Slug



Right In: 1896.633+/-354.659 χ^2/NDF: 7.1/19

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

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

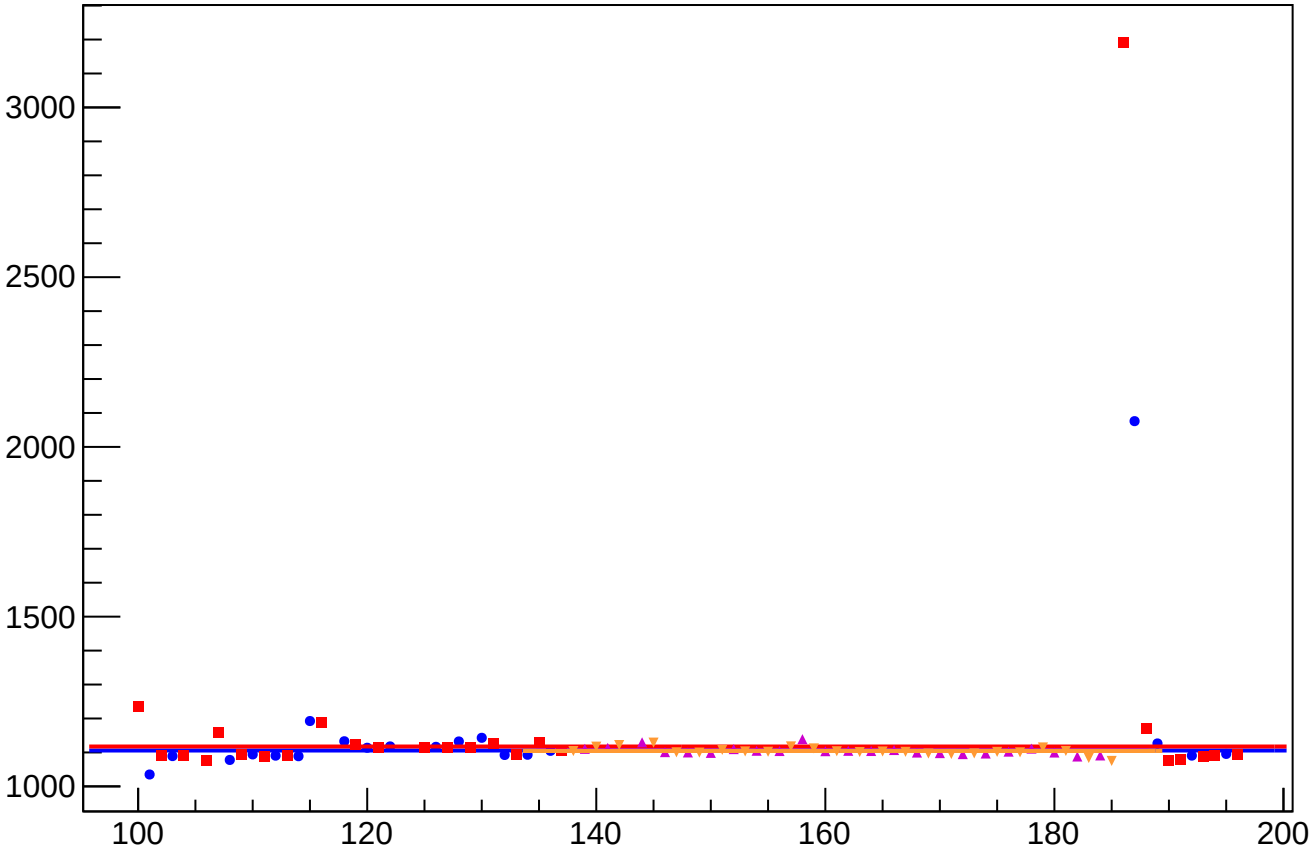
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1681.259+/-207.730 χ^2/NDF: 23.1/43

All: -176.007+/-145.113 χ^2/NDF: 219.2/91

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

overload_cor_asym_usl_rms vs Slug



Right In: 1105.669+/-0.251 χ^2/NDF: 85758.1/19

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

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

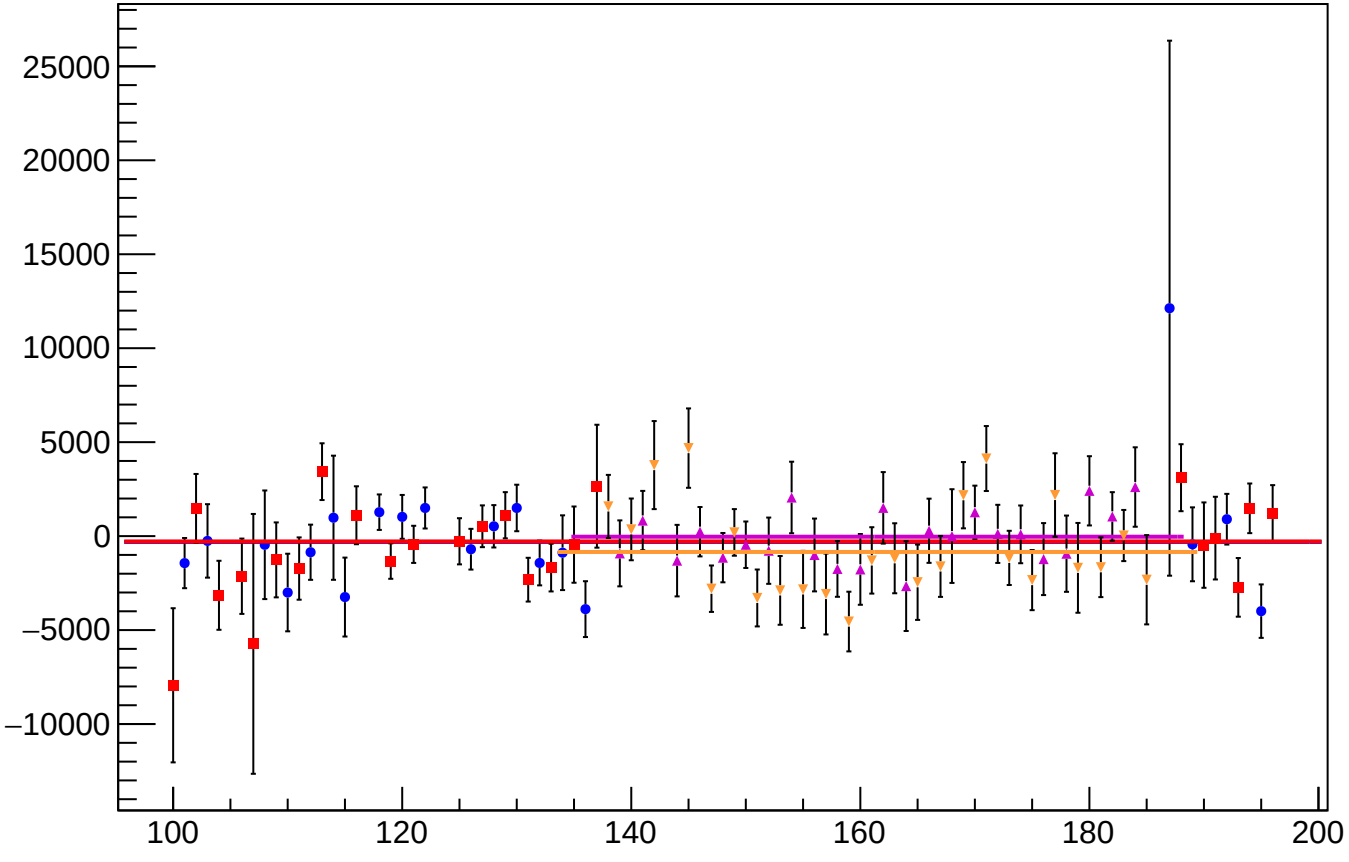
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1104.742+/-0.147 χ^2/NDF: 88778.2/43

All: 1107.439+/-0.103 χ^2/NDF: 456729.7/91

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -306.316+/-321.720 χ^2/NDF: 29.4/19

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

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

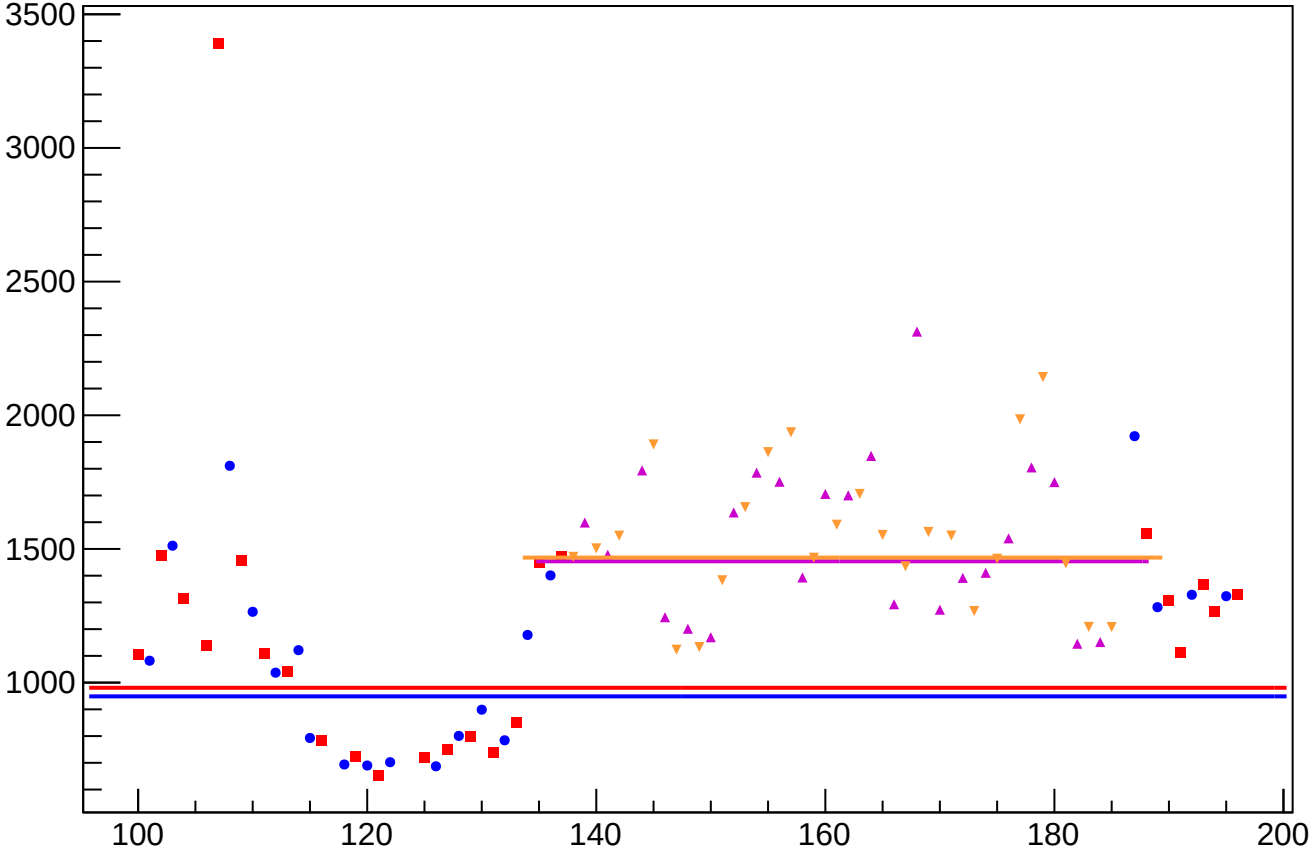
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -554.114+/-236.091 χ^2/NDF: 74.7/43

All: -359.331+/-164.821 χ^2/NDF: 122.6/90

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

asym_usl_overload_cor_correction_rms vs Slug



Right In: 948.568+/-0.227 χ^2/NDF: 1549536.6/19

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

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

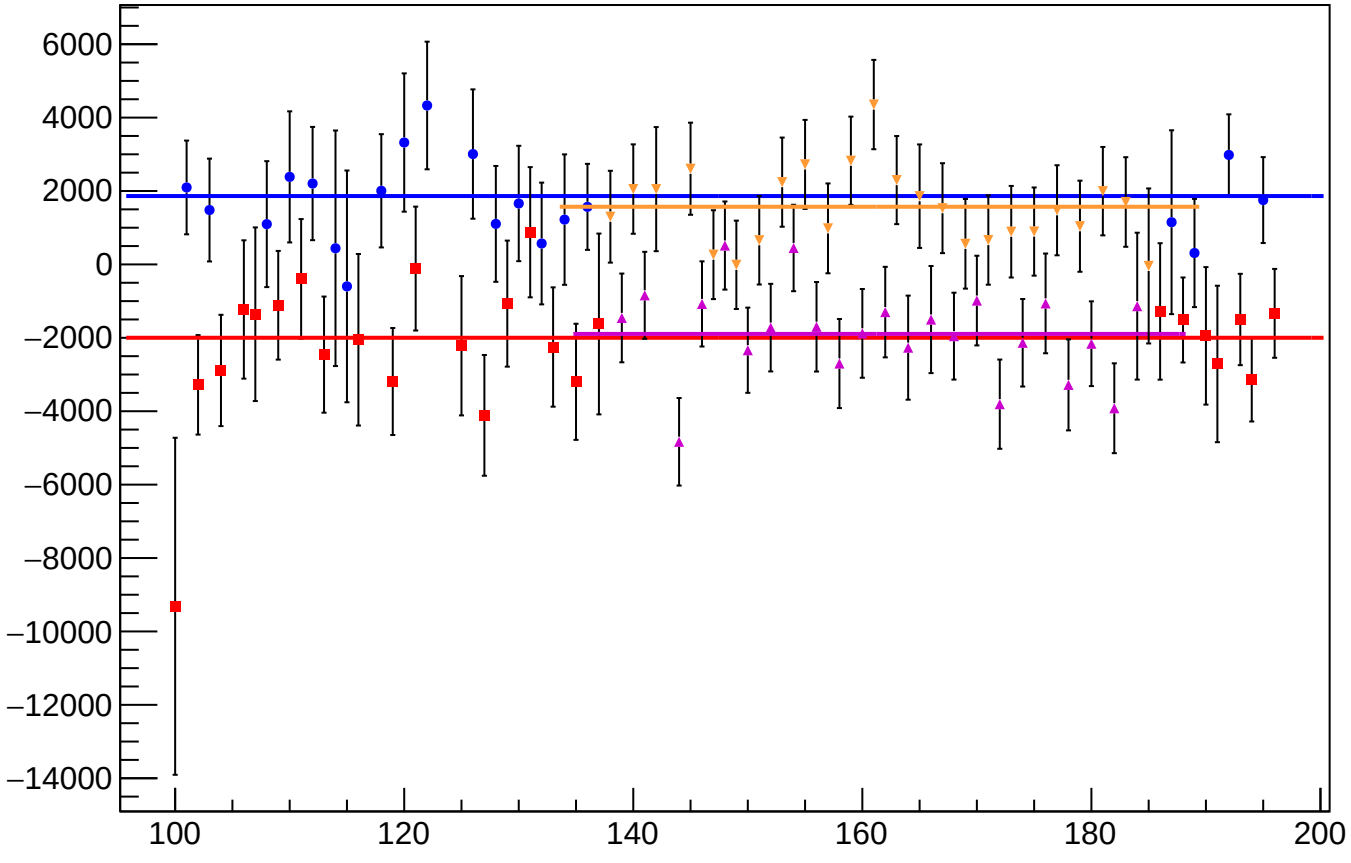
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1188.136+/-0.167 χ^2/NDF: 4994548.0/43

All: 1189.084+/-0.117 χ^2/NDF: 10266955.9/9

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

eigen_cor_asym_usl_mean vs Slug



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

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

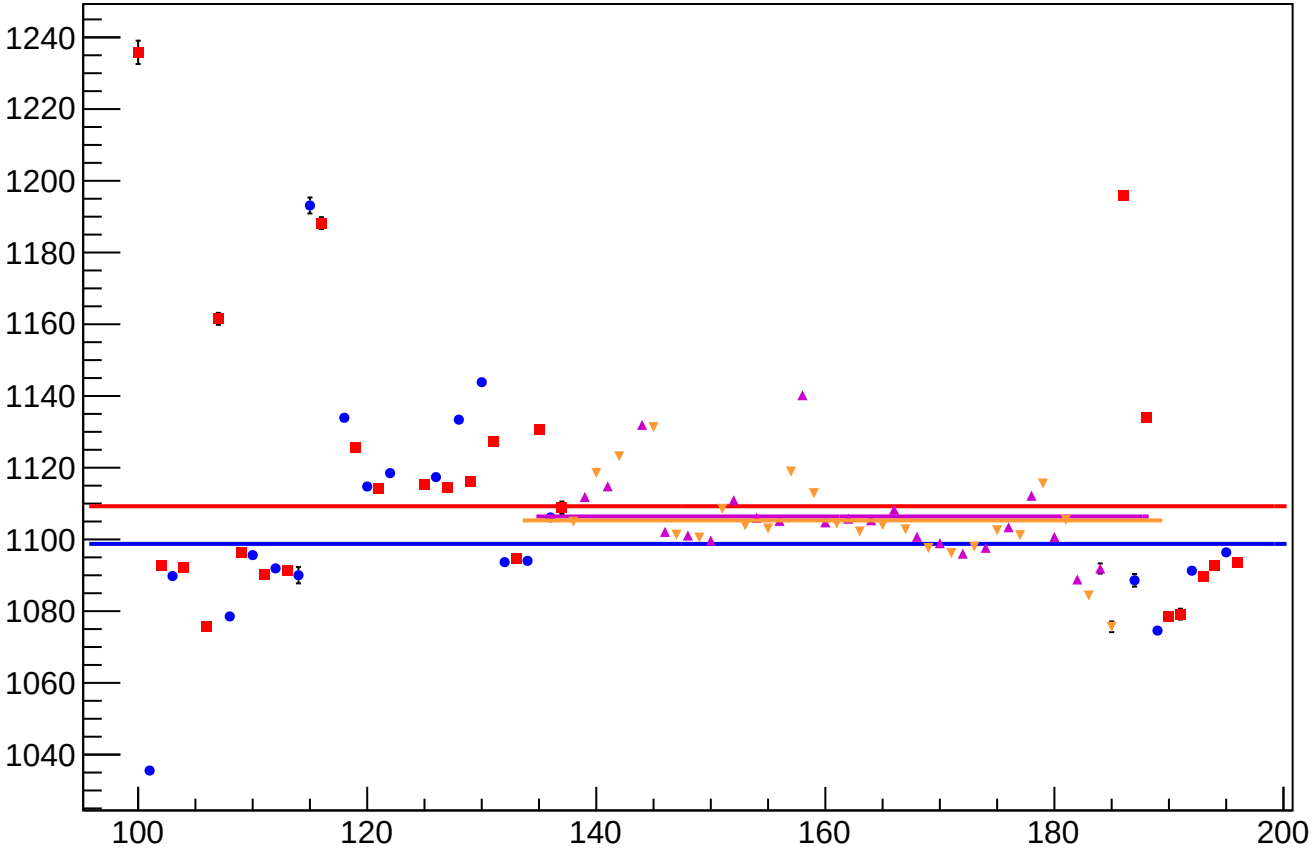
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1672.657+/-207.068 χ^2/NDF: 23.4/43

All: -178.858+/-144.458 χ^2/NDF: 217.8/91

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

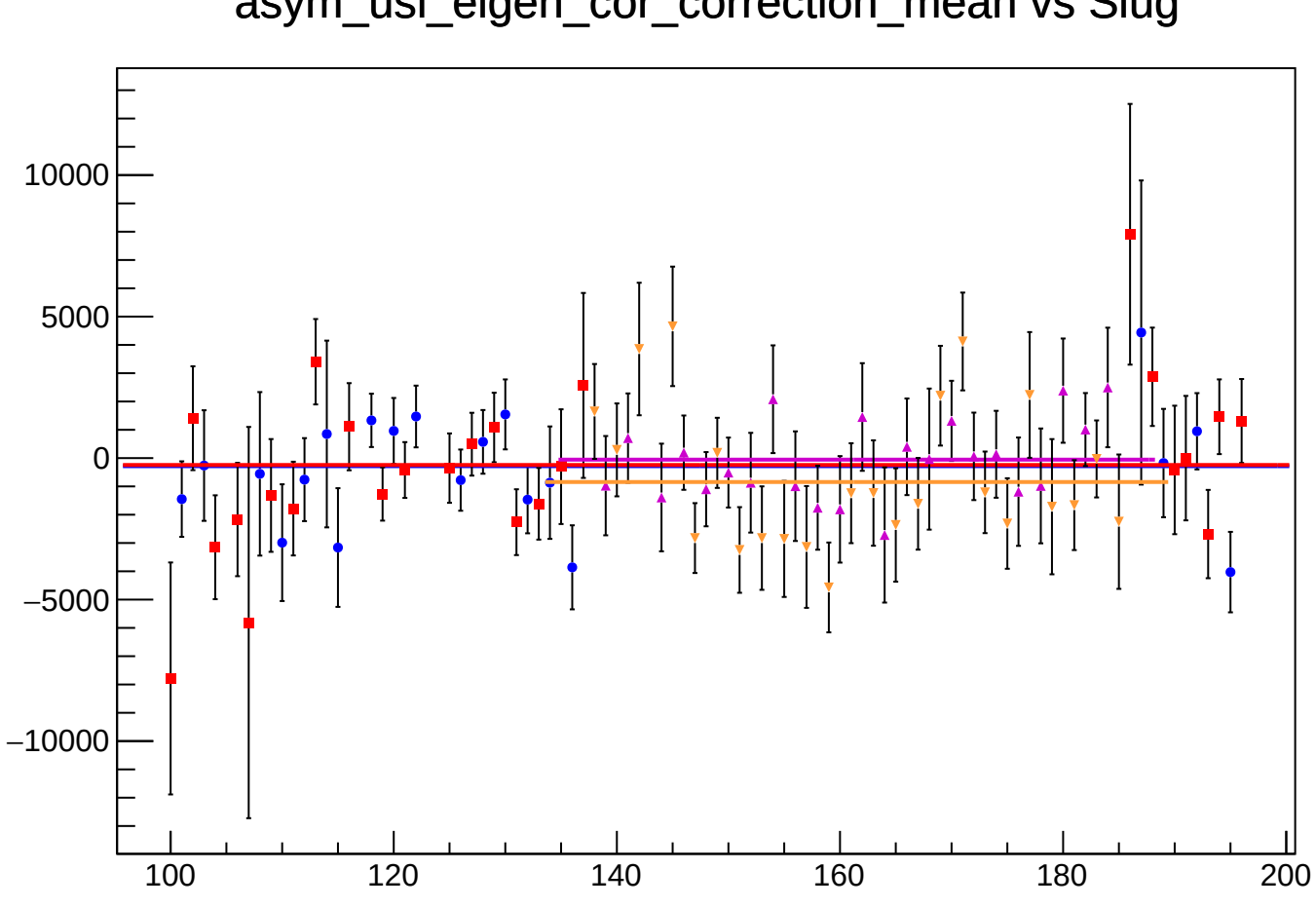
Right Out: 1109.257+/-0.228 χ^2/NDF: 15183.0/24

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

+ sign 1103.016+/-0.146 χ^2/NDF: 15774.3/43

All: 1105.328+/-0.102 χ^2/NDF: 35314.5/91

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



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

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

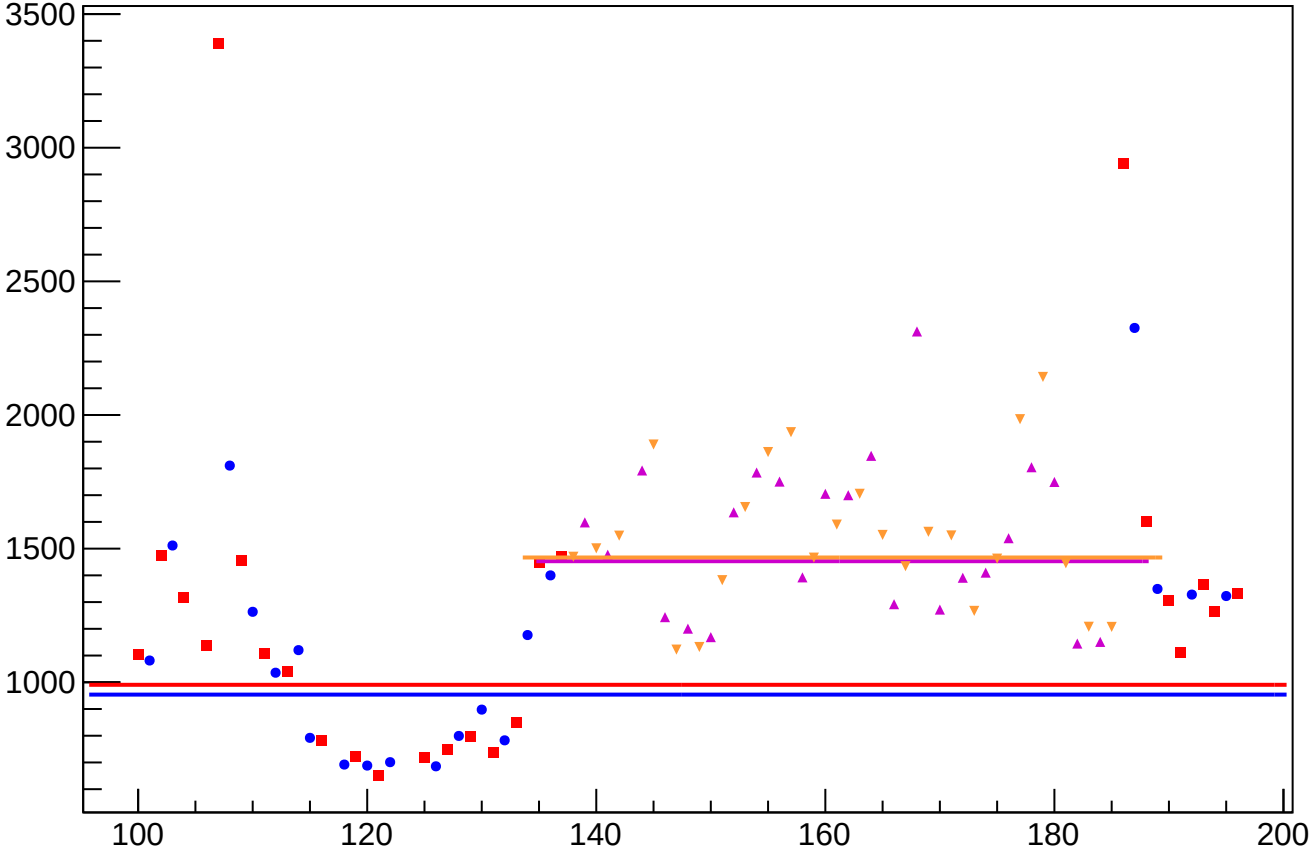
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.323+/-235.565 χ^2/NDF: 75.2/43

All: -346.298+/-164.414 χ^2/NDF: 125.2/91

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

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

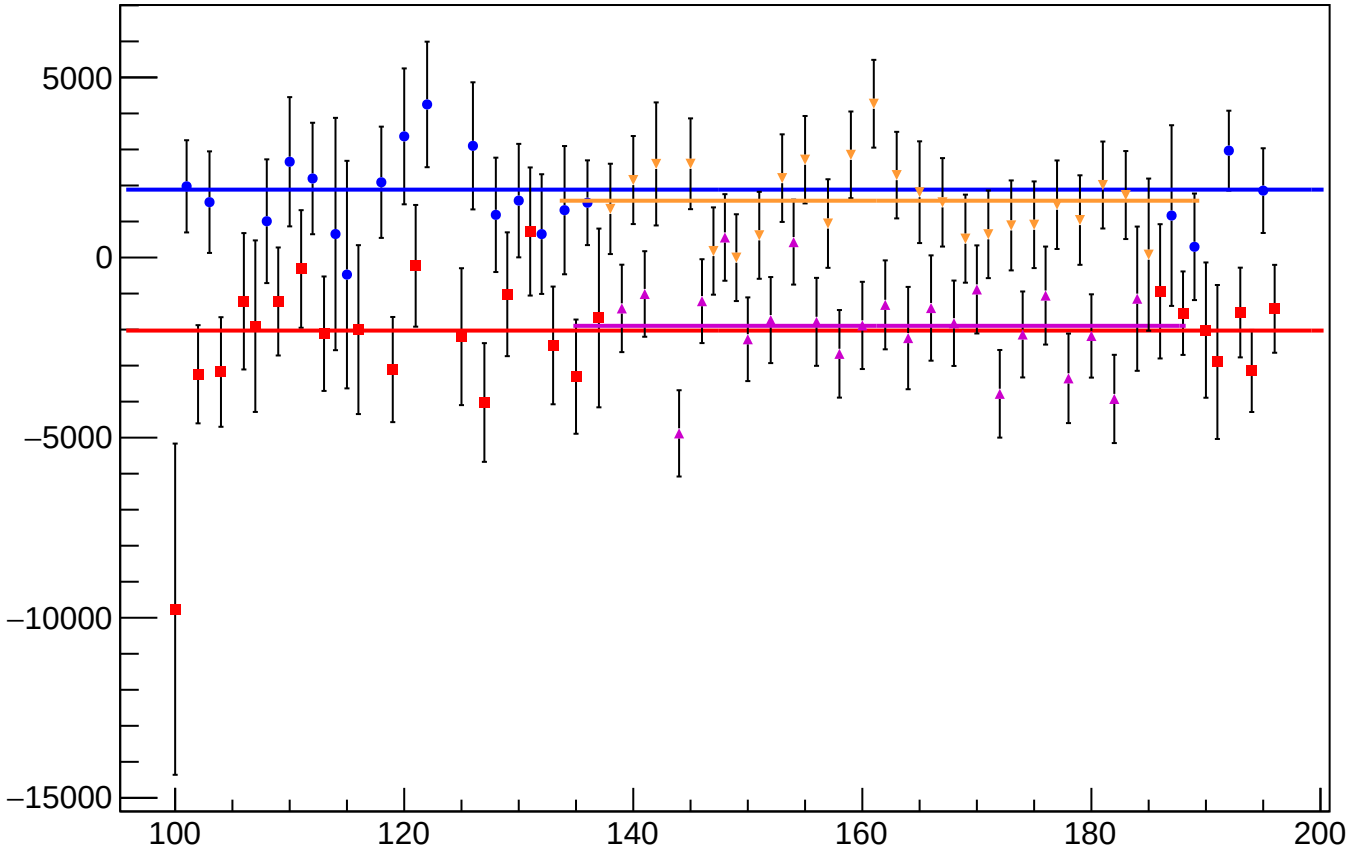
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1189.790+/-0.167 χ^2/NDF: 5107101.1/43

All: 1192.038+/-0.116 χ^2/NDF: 10713570.6/9

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

dit_asym_usl_mean vs Slug



Right In: 1884.966+/-351.774 χ^2/NDF: 7.4/19

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

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

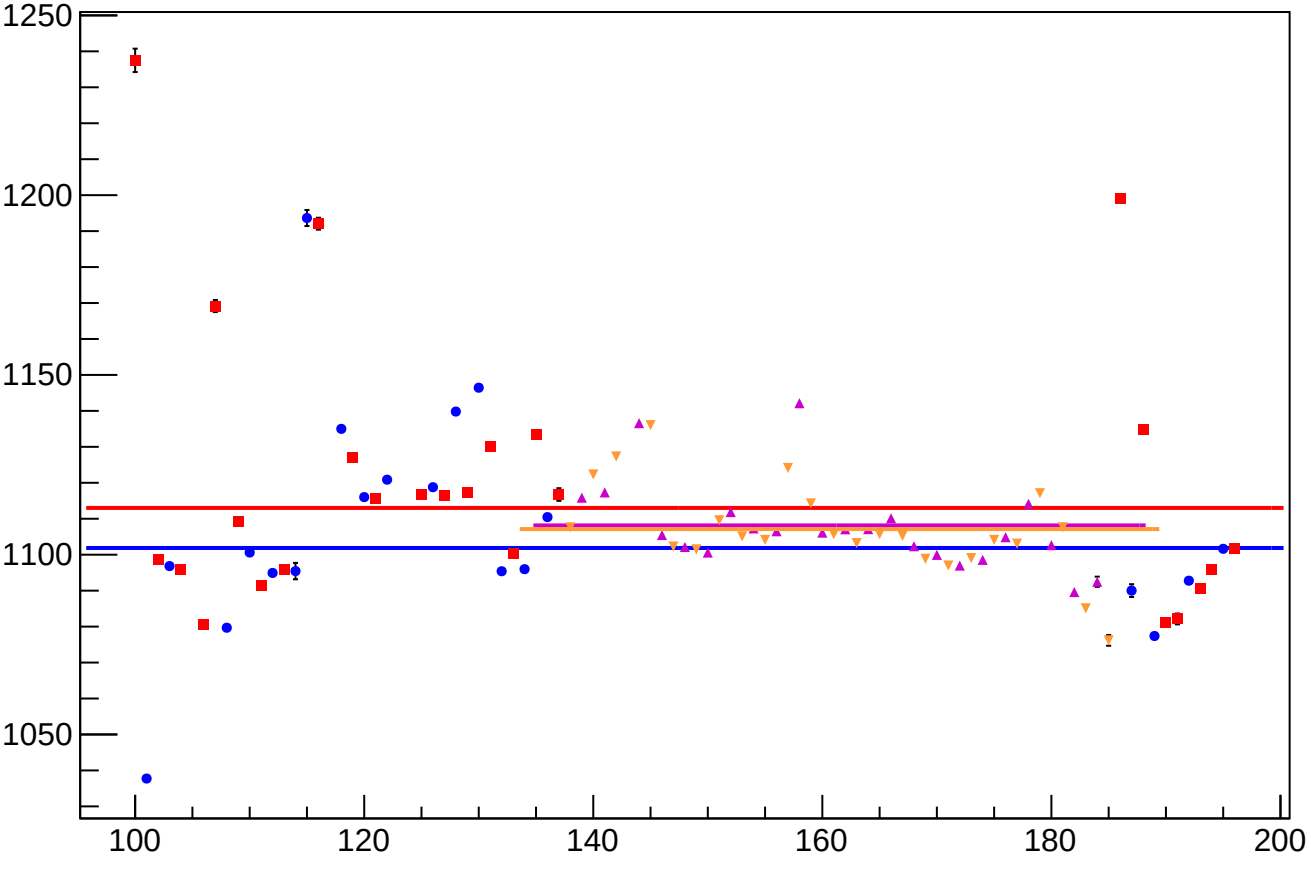
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1684.437+/-207.519 χ^2/NDF: 23.4/43

All: -179.415+/-144.782 χ^2/NDF: 219.2/91

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

dit_asym_usl_rms vs Slug



Right In: 1101.872+/-0.249 χ^2/NDF: 12202.6/19

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

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

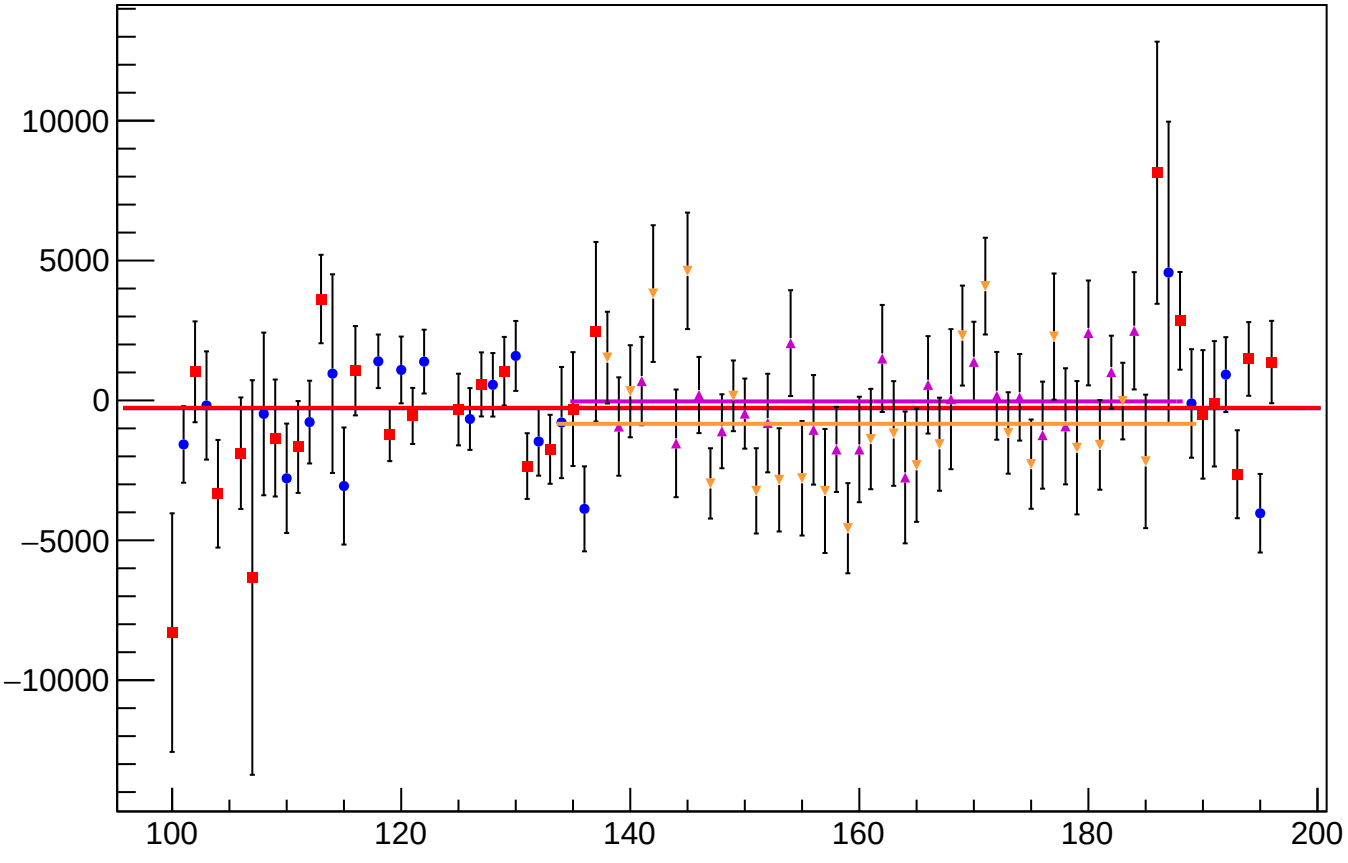
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.298+/-0.147 χ^2/NDF: 16277.3/43

All: 1107.733+/-0.102 χ^2/NDF: 35872.8/91

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

asym_usl_dit_correction_mean vs Slug



Right In: -279.846+/-325.006 χ^2/NDF: 29.4/19

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

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

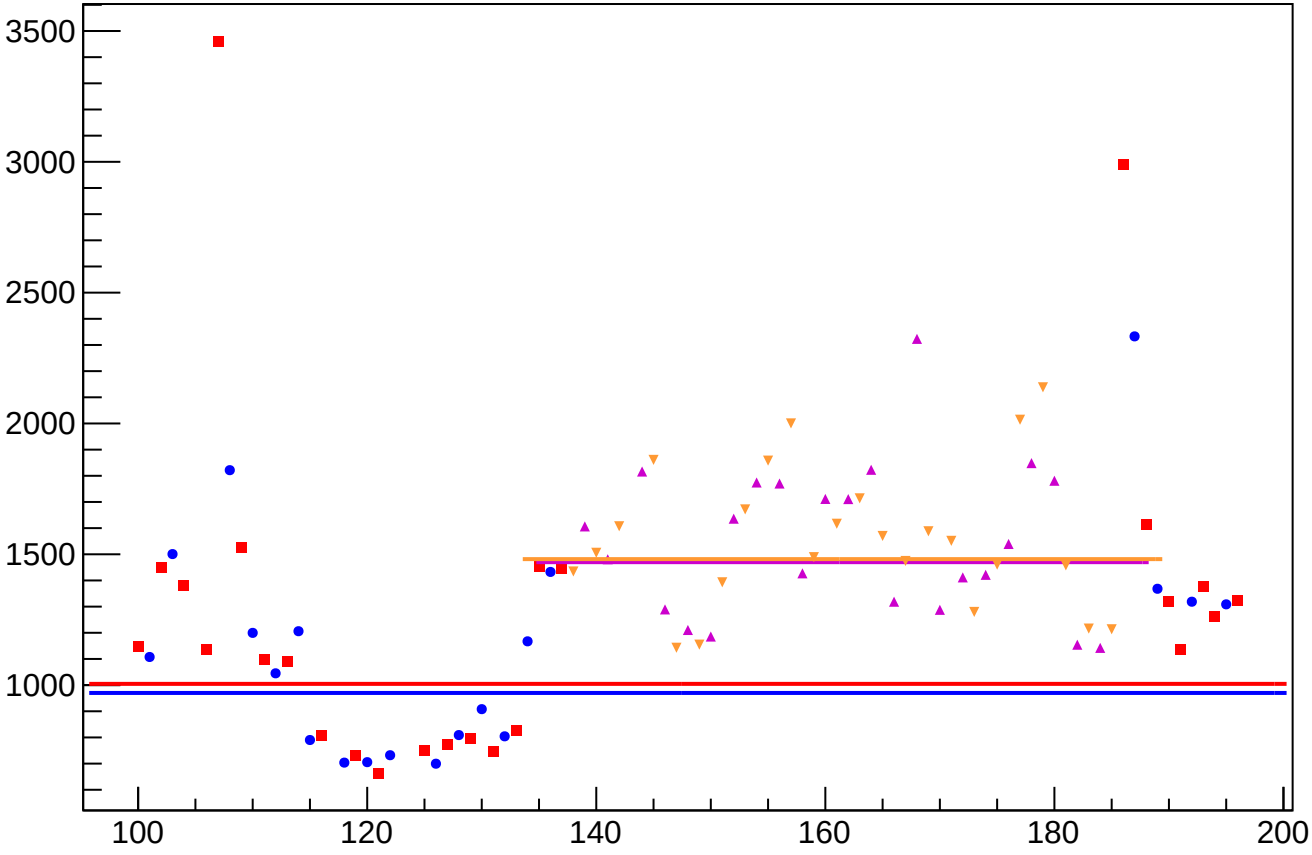
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -536.543+/-238.354 χ^2/NDF: 74.3/43

All: -344.921+/-166.363 χ^2/NDF: 124.4/91

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

asym_usl_dit_correction_rms vs Slug



Right In: 970.073+/-0.230 χ^2/NDF: 1609688.3/19

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

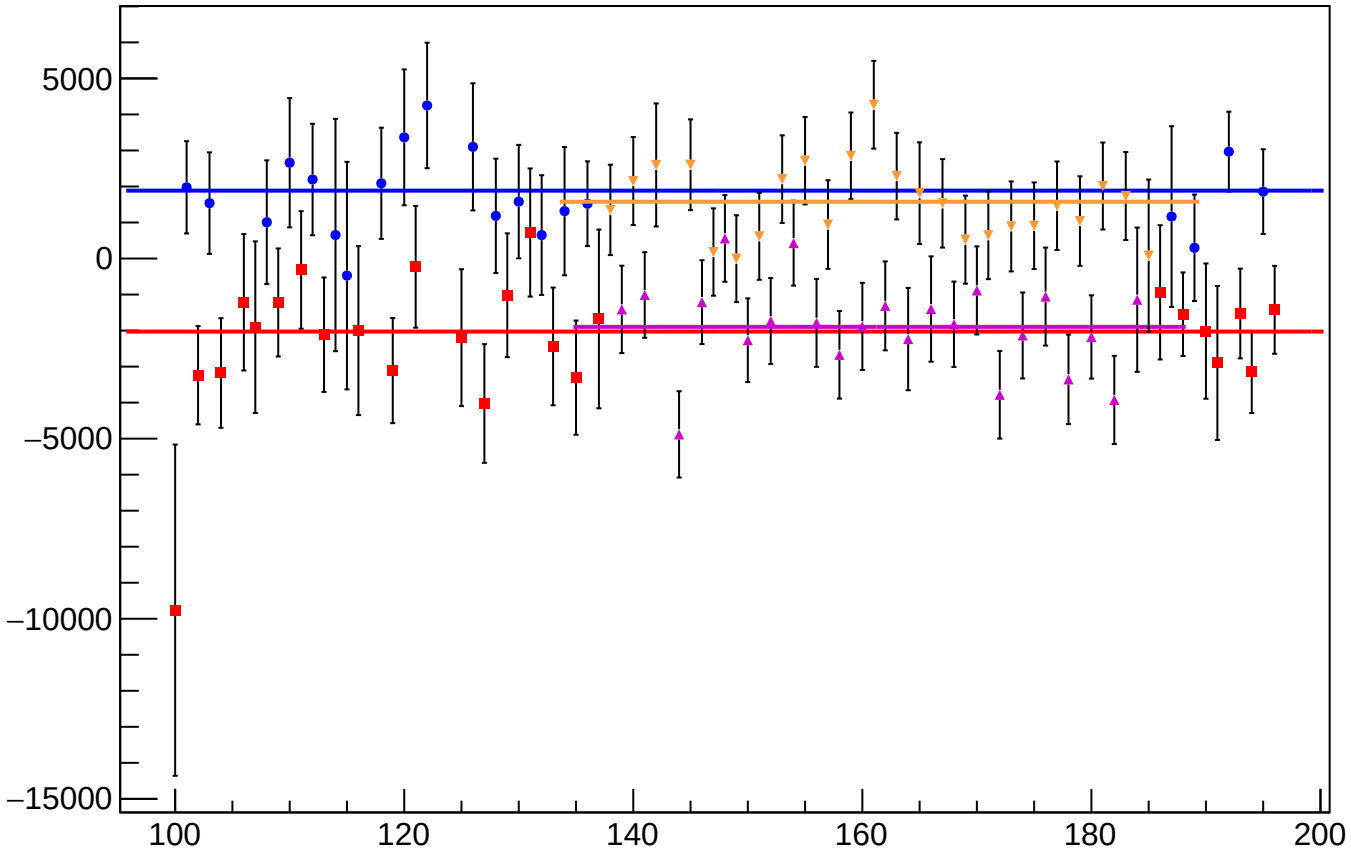
Right Out: 1004.745+/-0.220 χ^2/NDF: 2435074.3/24

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

+ sign 1206.449+/-0.169 χ^2/NDF: 4916290.9/43

All: 1208.321+/-0.118 χ^2/NDF: 10423873.2/9

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



Right In: 1884.966+/-351.774 χ^2/NDF: 7.4/19

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

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

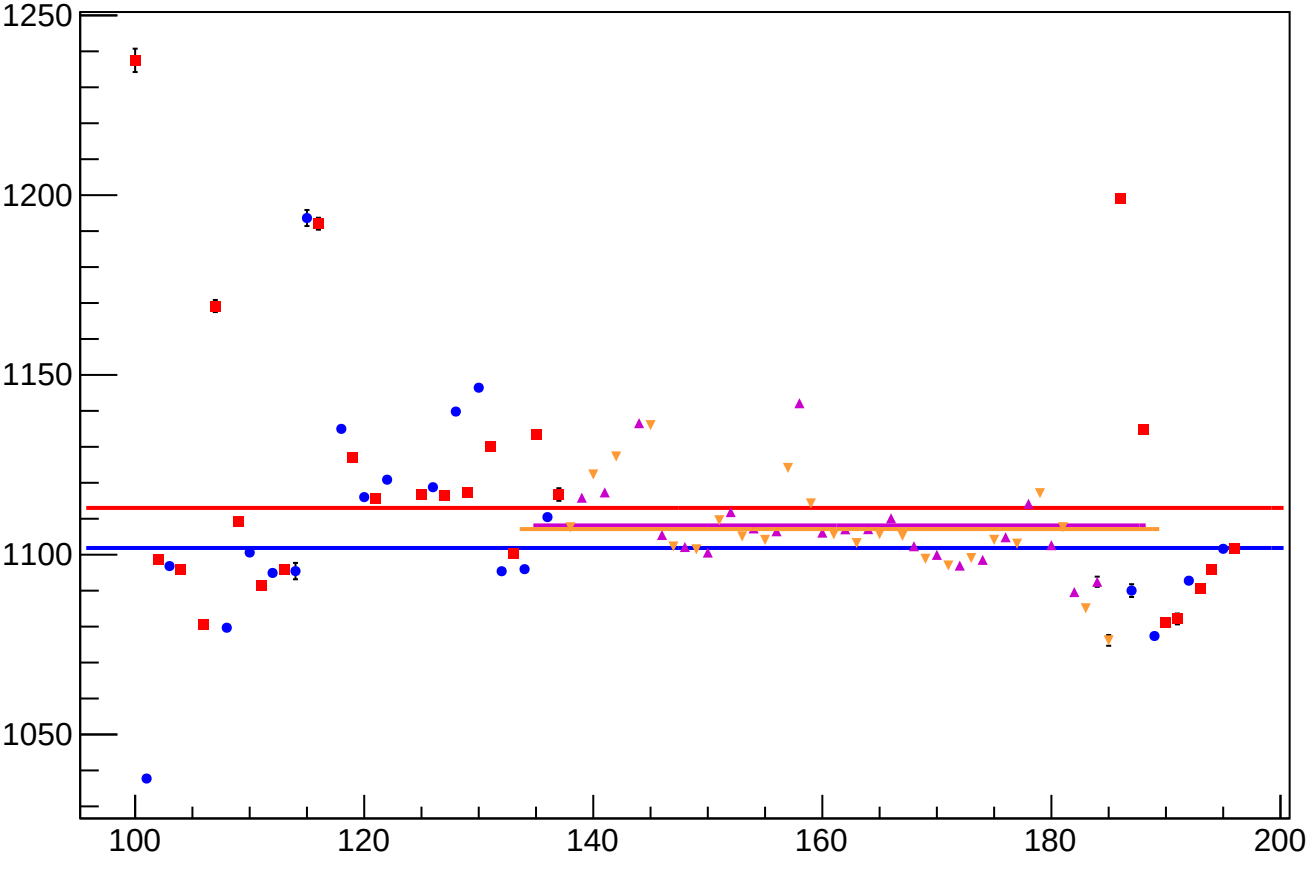
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1684.435+/-207.519 χ^2/NDF: 23.4/43

All: -179.416+/-144.782 χ^2/NDF: 219.2/91

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

eigen_dit_asym_usl_rms vs Slug



Right In: 1101.872+/-0.249 χ^2/NDF: 12202.6/19

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

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

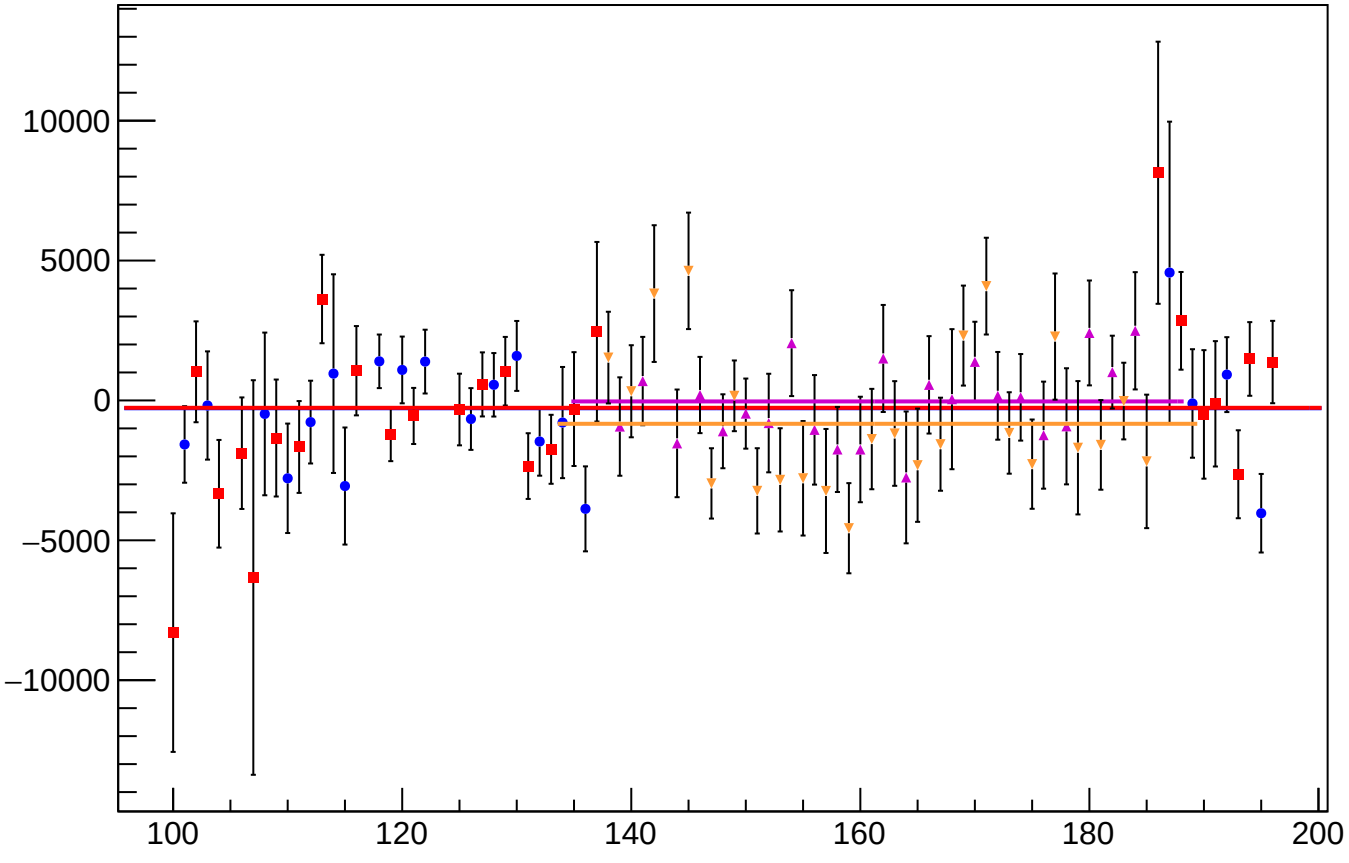
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.298+/-0.147 χ^2/NDF: 16277.3/43

All: 1107.733+/-0.102 χ^2/NDF: 35872.8/91

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

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -279.844+/-325.005 χ^2/NDF: 29.4/19

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

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

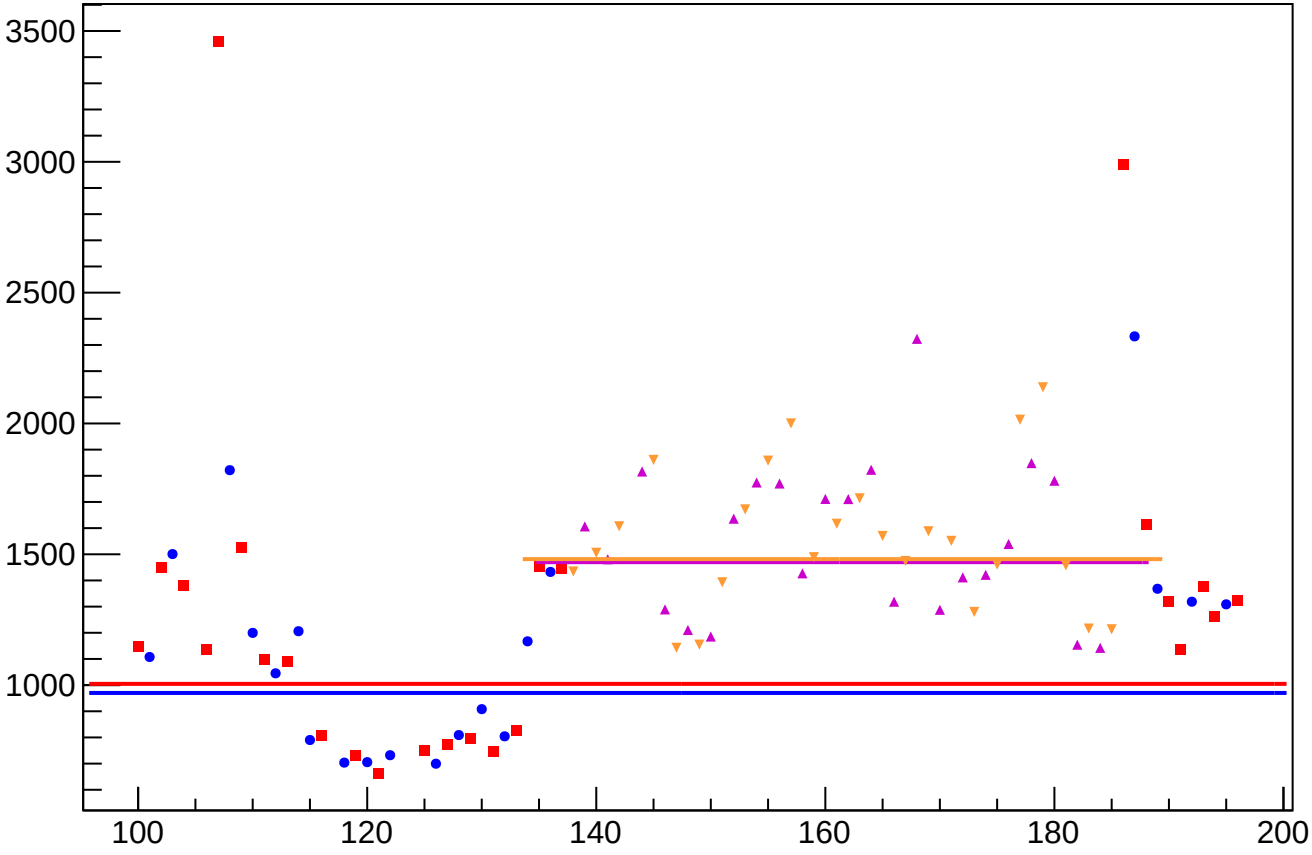
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -536.543+/-238.353 χ^2/NDF: 74.3/43

All: -344.921+/-166.363 χ^2/NDF: 124.4/91

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 970.071+/-0.230 χ^2/NDF: 1609697.1/19

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

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

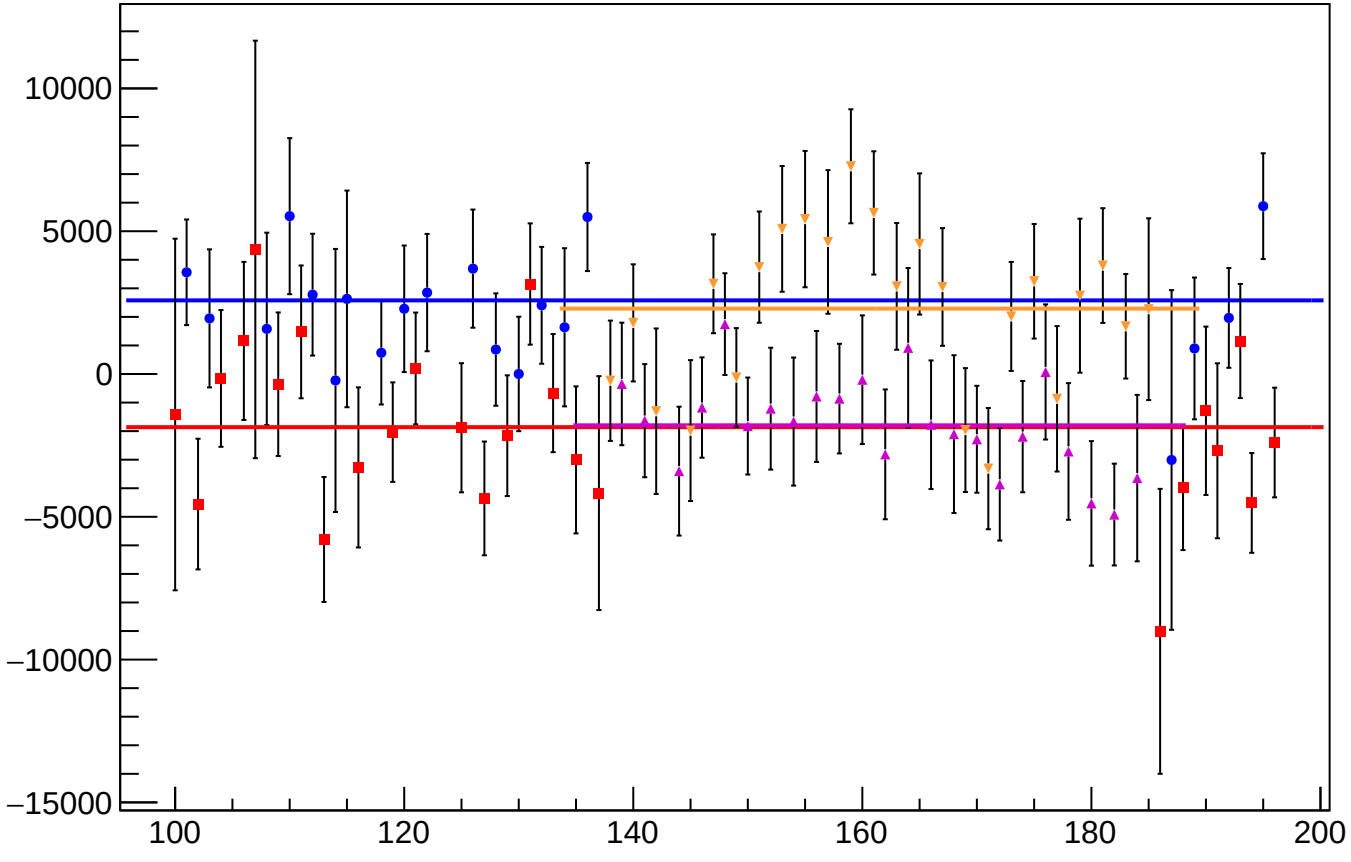
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1206.448+/-0.169 χ^2/NDF: 4916327.9/43

All: 1208.320+/-0.118 χ^2/NDF: 10423948.3/9

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

asym_usl_mean vs Slug



Right In: 2578.490+/-502.039 χ^2/NDF: 12.9/19

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

Right Out: -1860.406+/-472.966 χ^2/NDF: 26.6/24

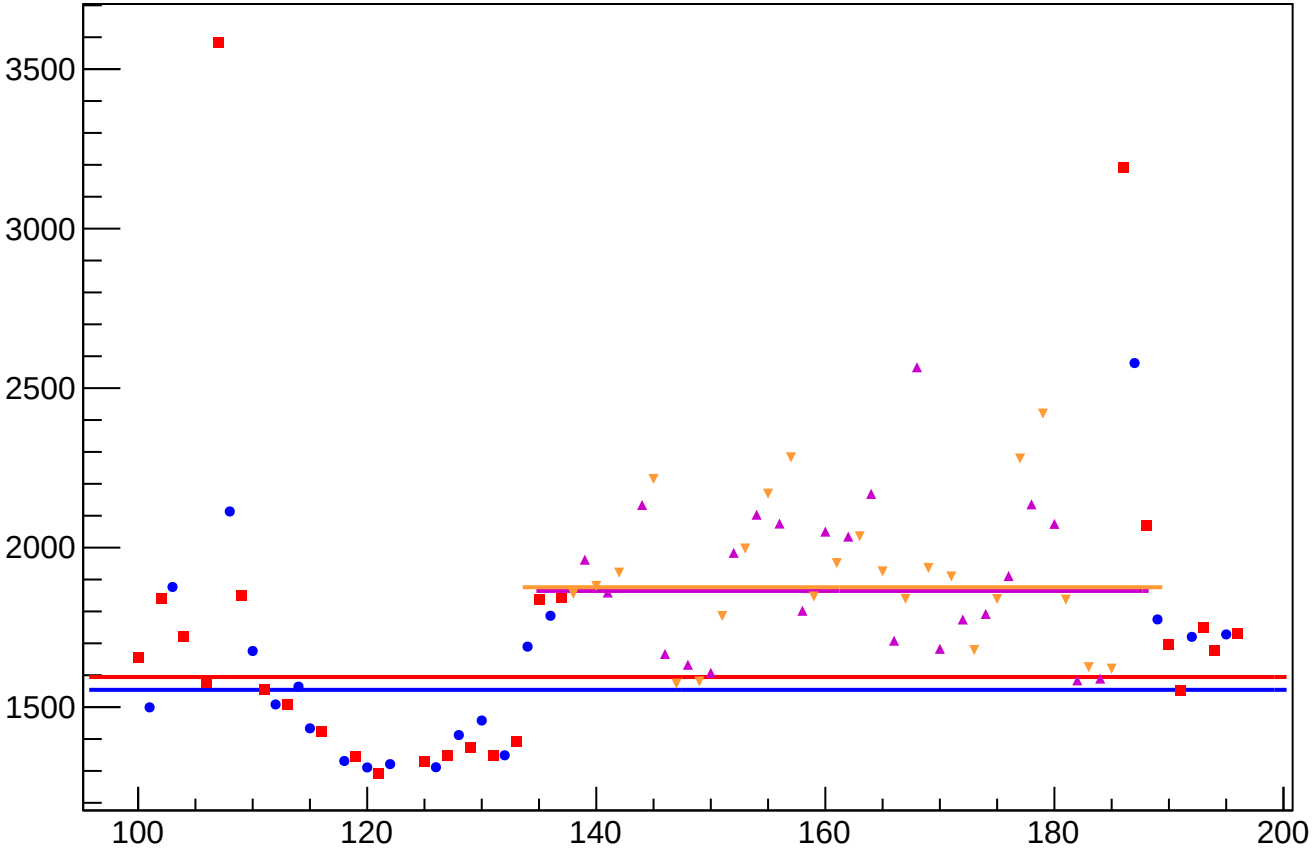
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2414.942+/-330.614 χ^2/NDF: 49.1/43

All: 237.292+/-230.605 χ^2/NDF: 174.5/91

- sign -1825.983+/-321.815 χ^2/NDF: 40.9/47

asym_usl_rms vs Slug



Right In: 1554.209+/-0.355 χ^2/NDF: 387943.4/19

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

Right Out: 1594.383+/-0.334 χ^2/NDF: 778850.5/24

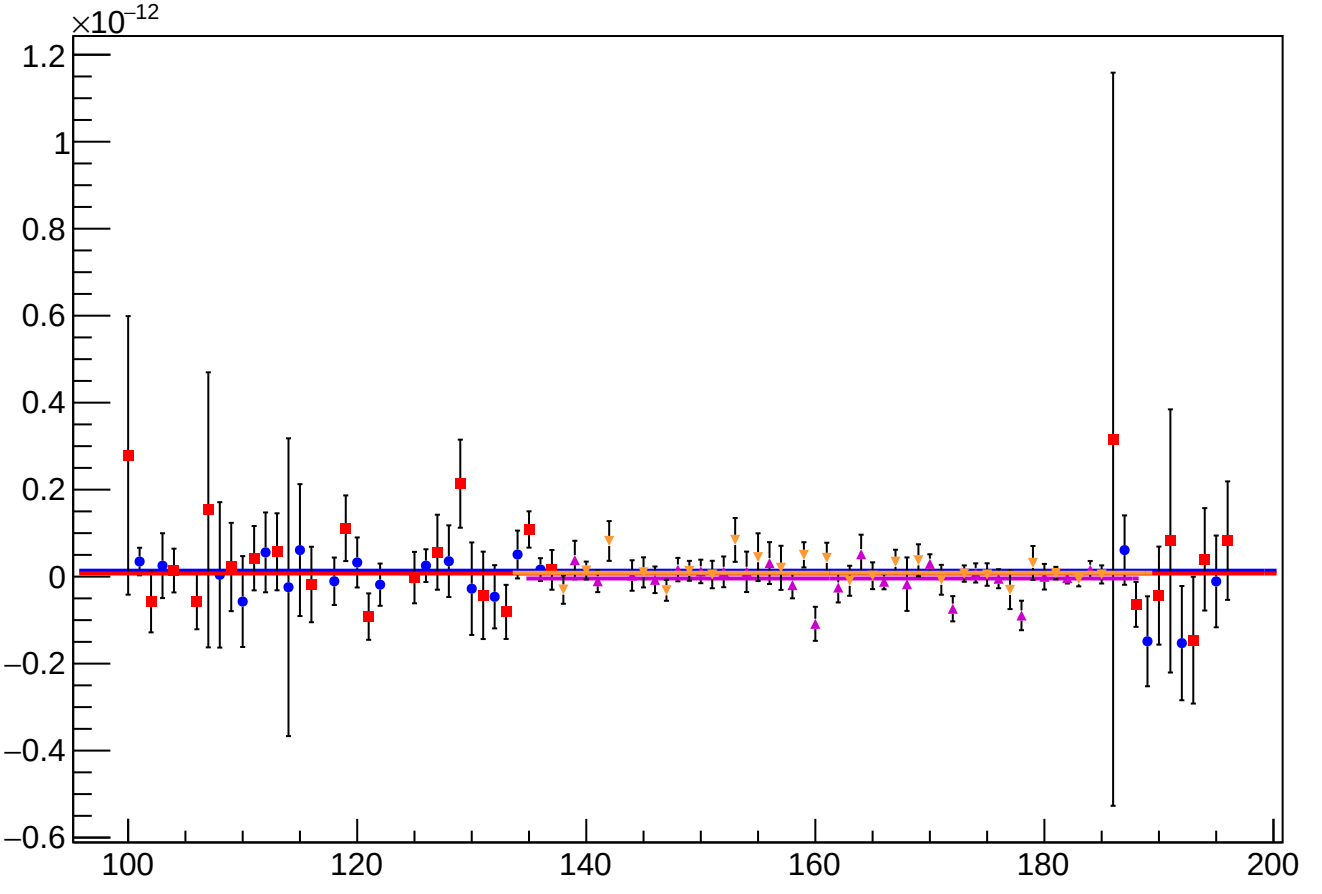
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1736.344+/-0.234 χ^2/NDF: 1325310.1/43

All: 1737.843+/-0.163 χ^2/NDF: 2964292.5/91

- sign 1739.263+/-0.228 χ^2/NDF: 1638902.3/47

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7.9/19

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

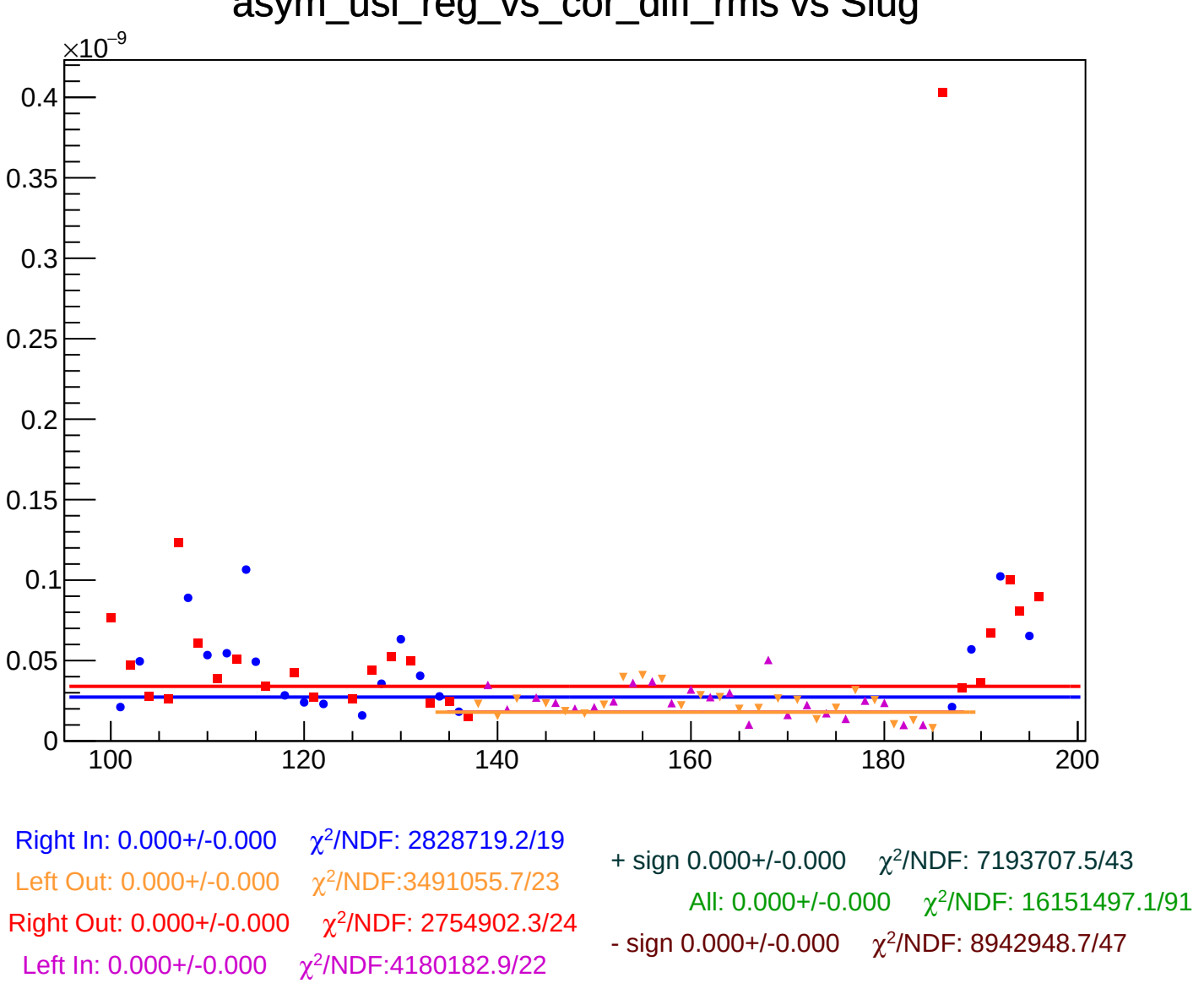
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

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

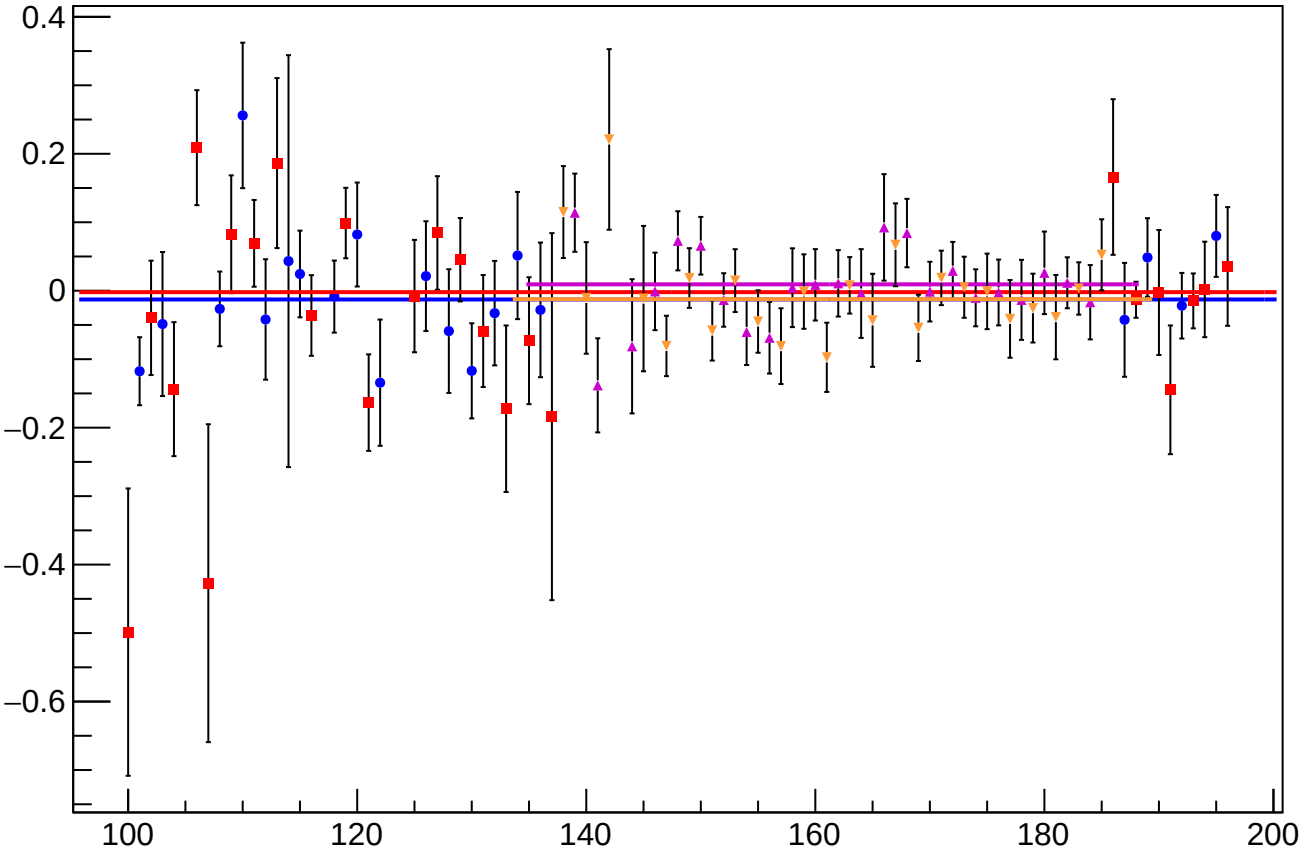
+ sign 0.000+/-0.000 χ^2/NDF: 24.6/43

All: 0.000+/-0.000 χ^2/NDF: 81.6/91

- sign -0.000+/-0.000 χ^2/NDF: 53.9/47


asym_usl_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: 2828719.2/19
Left Out: 0.000+/-0.000 χ²/NDF:3491055.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 2754902.3/24
Left In: 0.000+/-0.000 χ²/NDF:4180182.9/22
+ sign 0.000+/-0.000 χ²/NDF: 7193707.5/43
All: 0.000+/-0.000 χ²/NDF: 16151497.1/91
- sign 0.000+/-0.000 χ²/NDF: 8942948.7/47

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

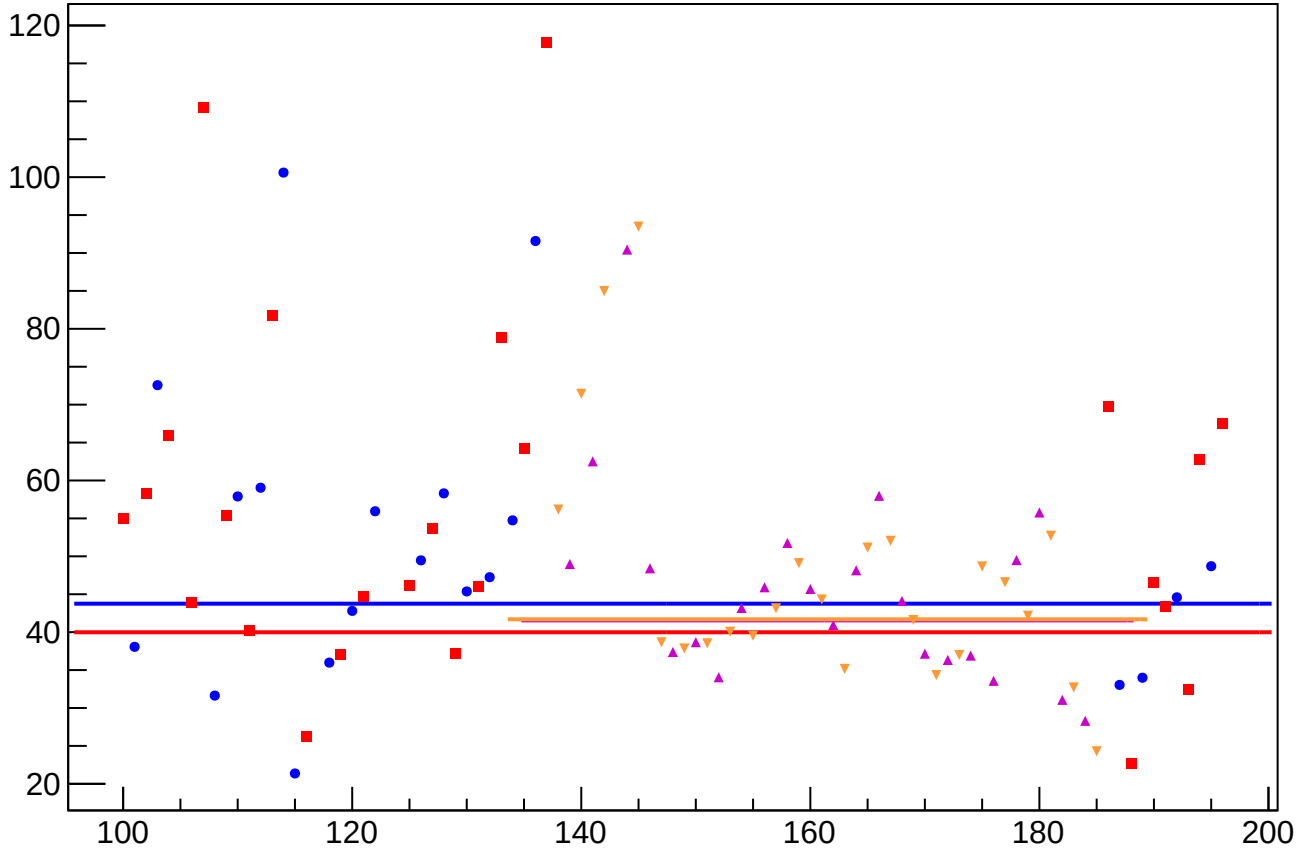
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 43.7/43

All: -0.003+/-0.006 χ^2/NDF: 109.9/91

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 43.755+/-0.011 χ^2/NDF: 1445415.5/19

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.986+/-0.010 χ^2/NDF: 2931803.0/24

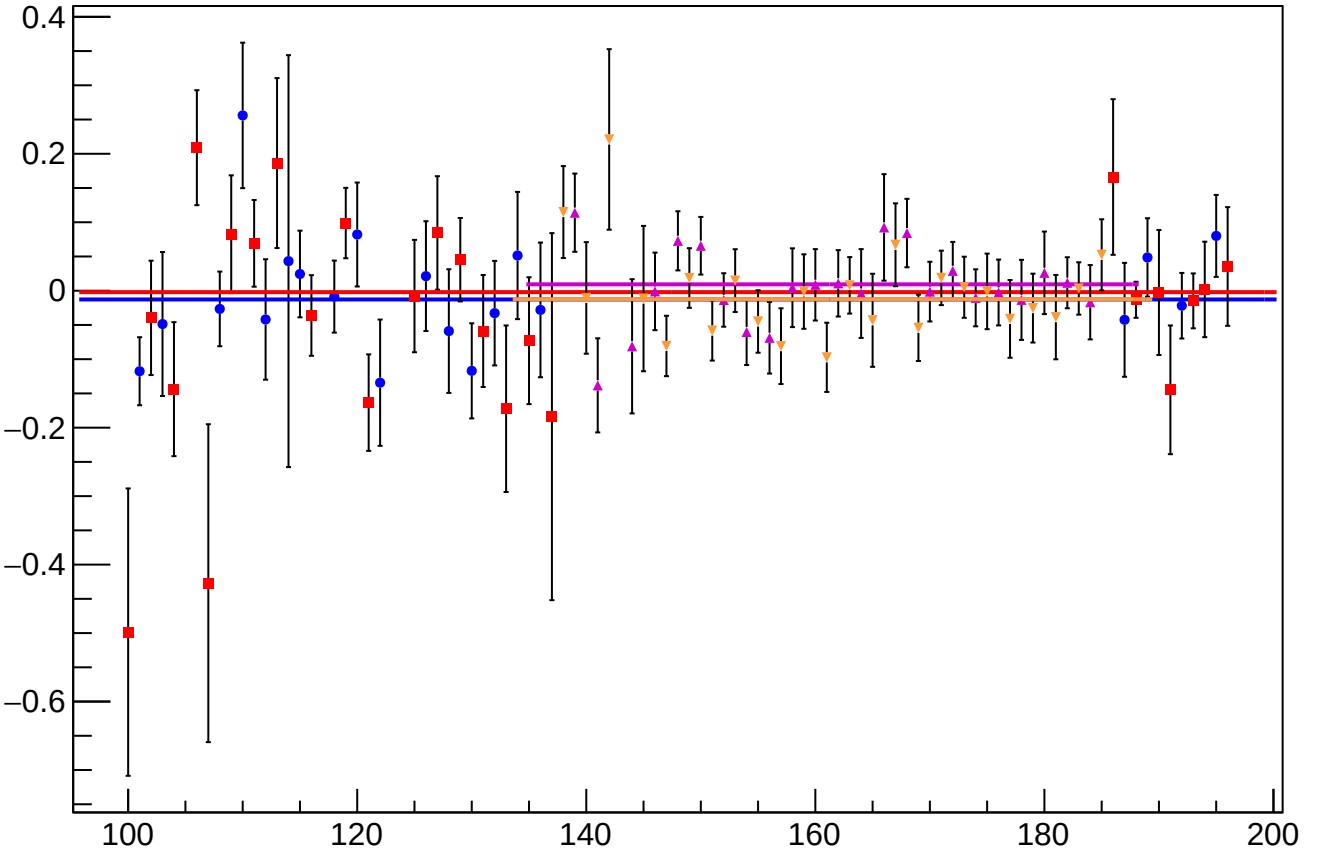
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.325+/-0.006 χ^2/NDF: 3290806.7/43

All: 41.613+/-0.004 χ^2/NDF: 7877393.2/91

- sign 40.970+/-0.006 χ^2/NDF: 4561332.0/47

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

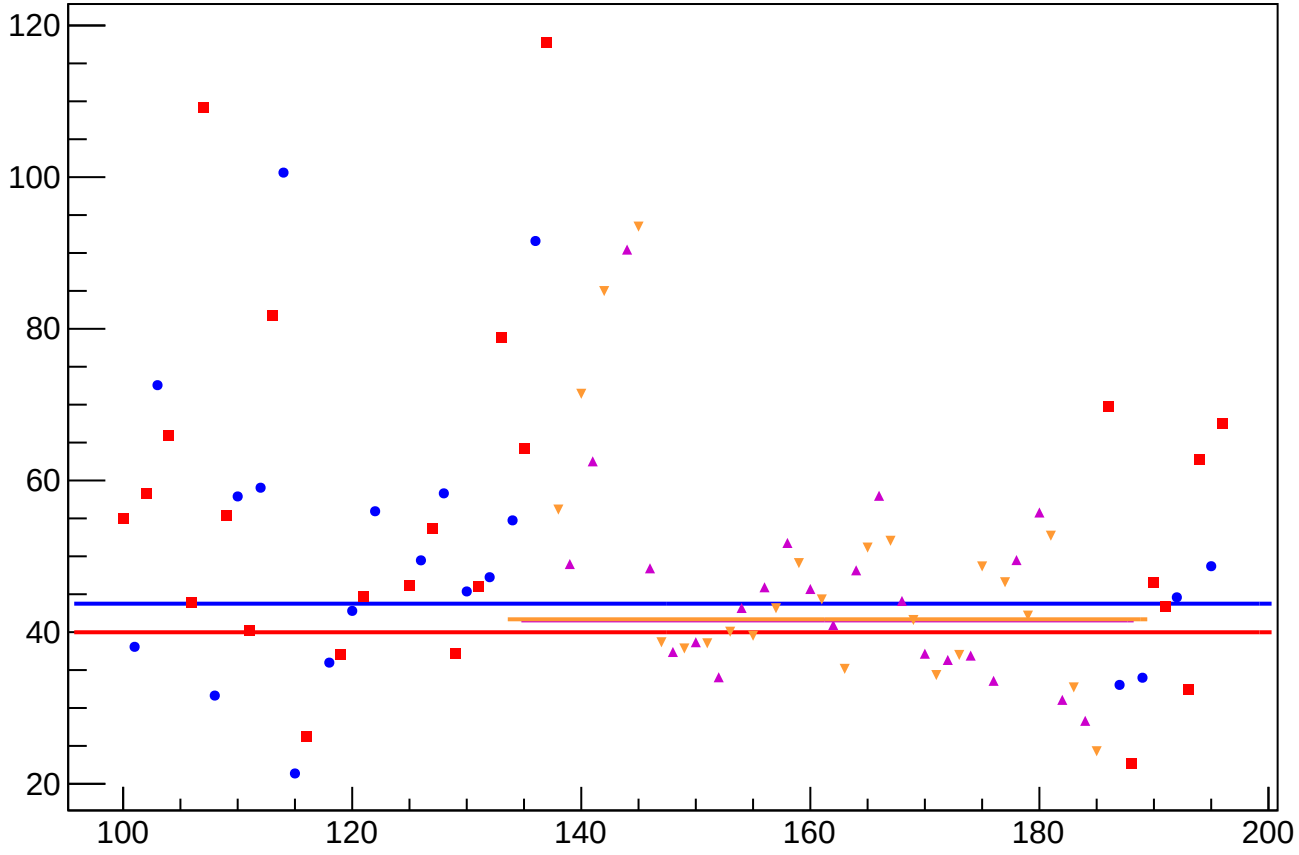
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 43.7/43

All: -0.003+/-0.006 χ^2/NDF: 109.9/91

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.755+/-0.011 χ^2/NDF: 1445415.5/19

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.986+/-0.010 χ^2/NDF: 2931803.0/24

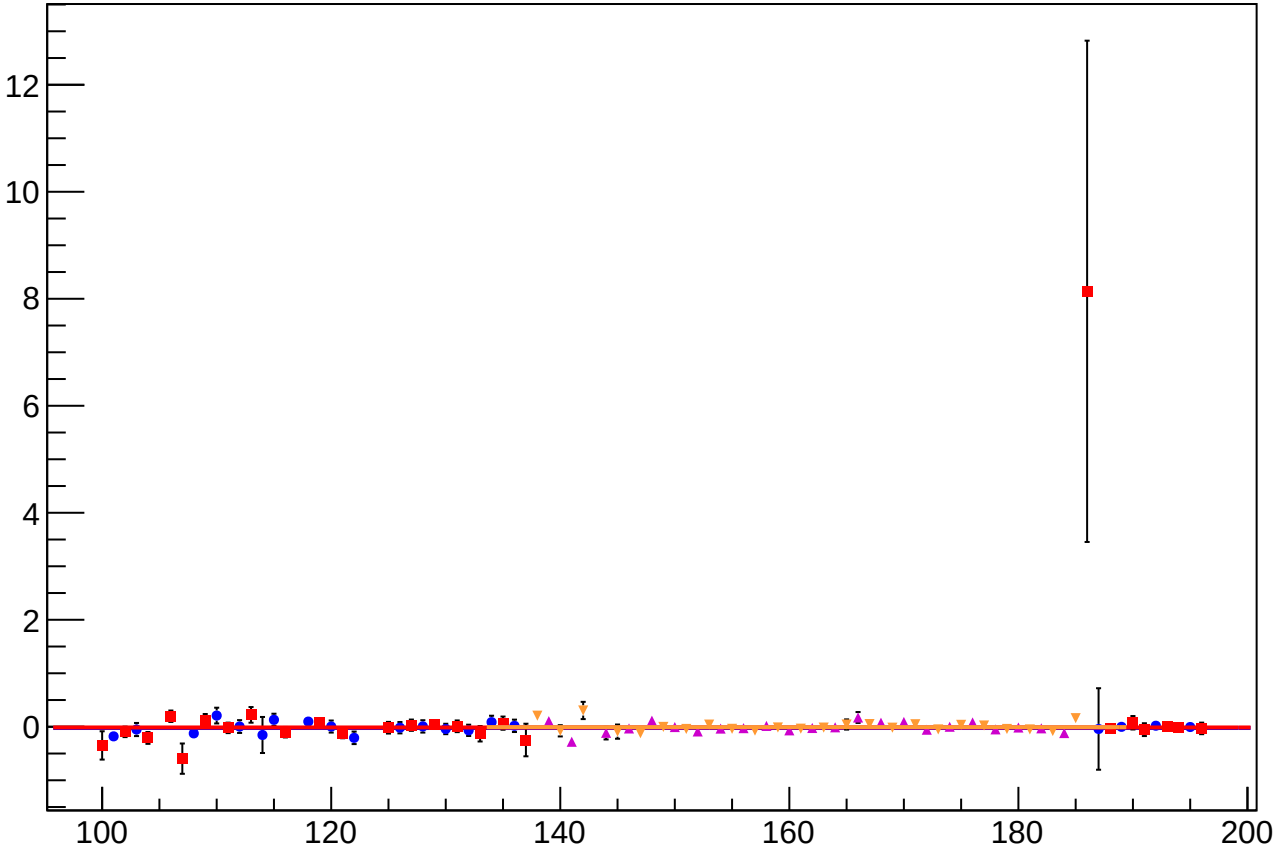
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.325+/-0.006 χ^2/NDF: 3290806.7/43

All: 41.613+/-0.004 χ^2/NDF: 7877393.2/91

- sign 40.970+/-0.006 χ^2/NDF: 4561332.0/47

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.023+/-0.022 χ^2/NDF: 18.2/19

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.013+/-0.020 χ^2/NDF: 26.9/24

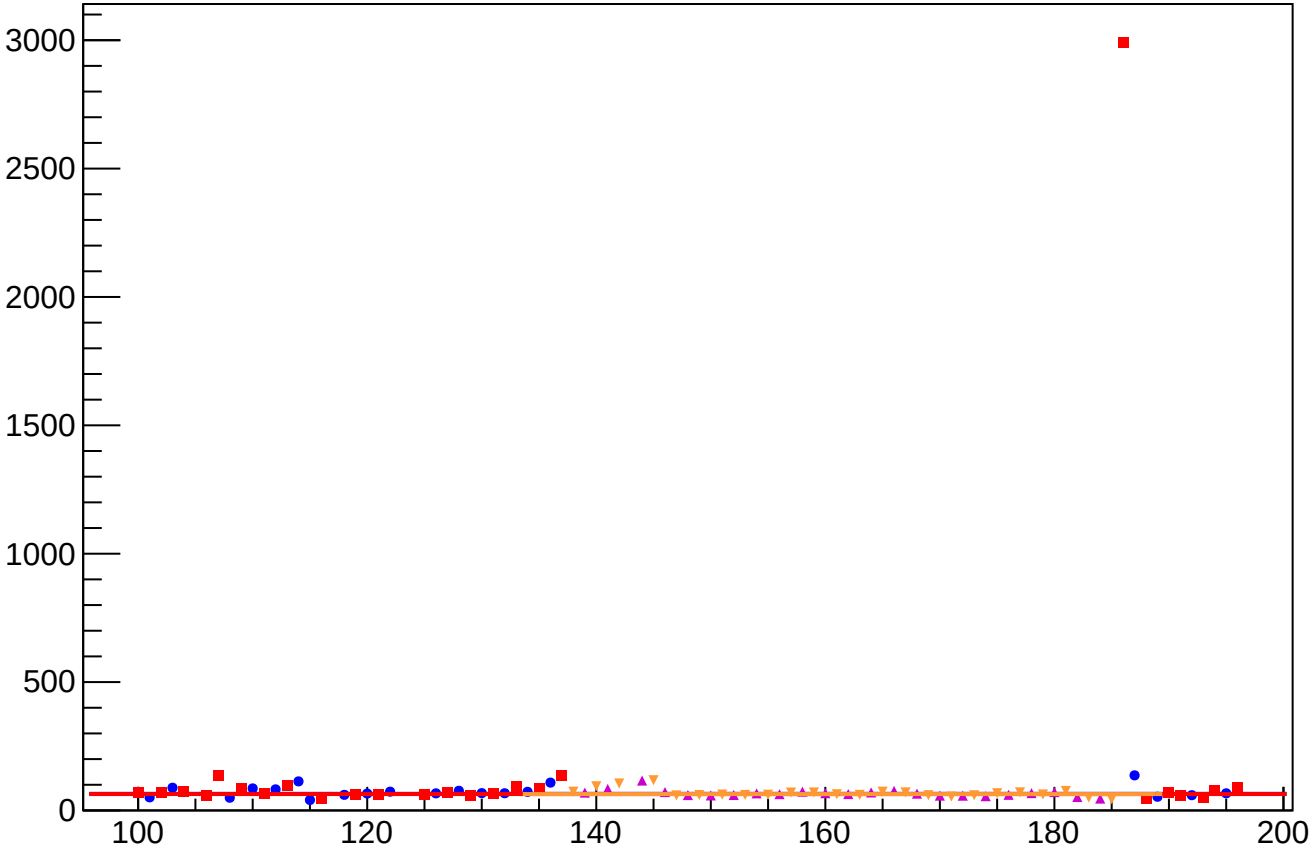
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.3/43

All: -0.011+/-0.009 χ^2/NDF: 97.3/91

- sign -0.010+/-0.012 χ^2/NDF: 55.0/47

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.721+/-0.016 χ^2/NDF: 846959.4/19

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.807+/-0.014 χ^2/NDF: 1973624.7/24

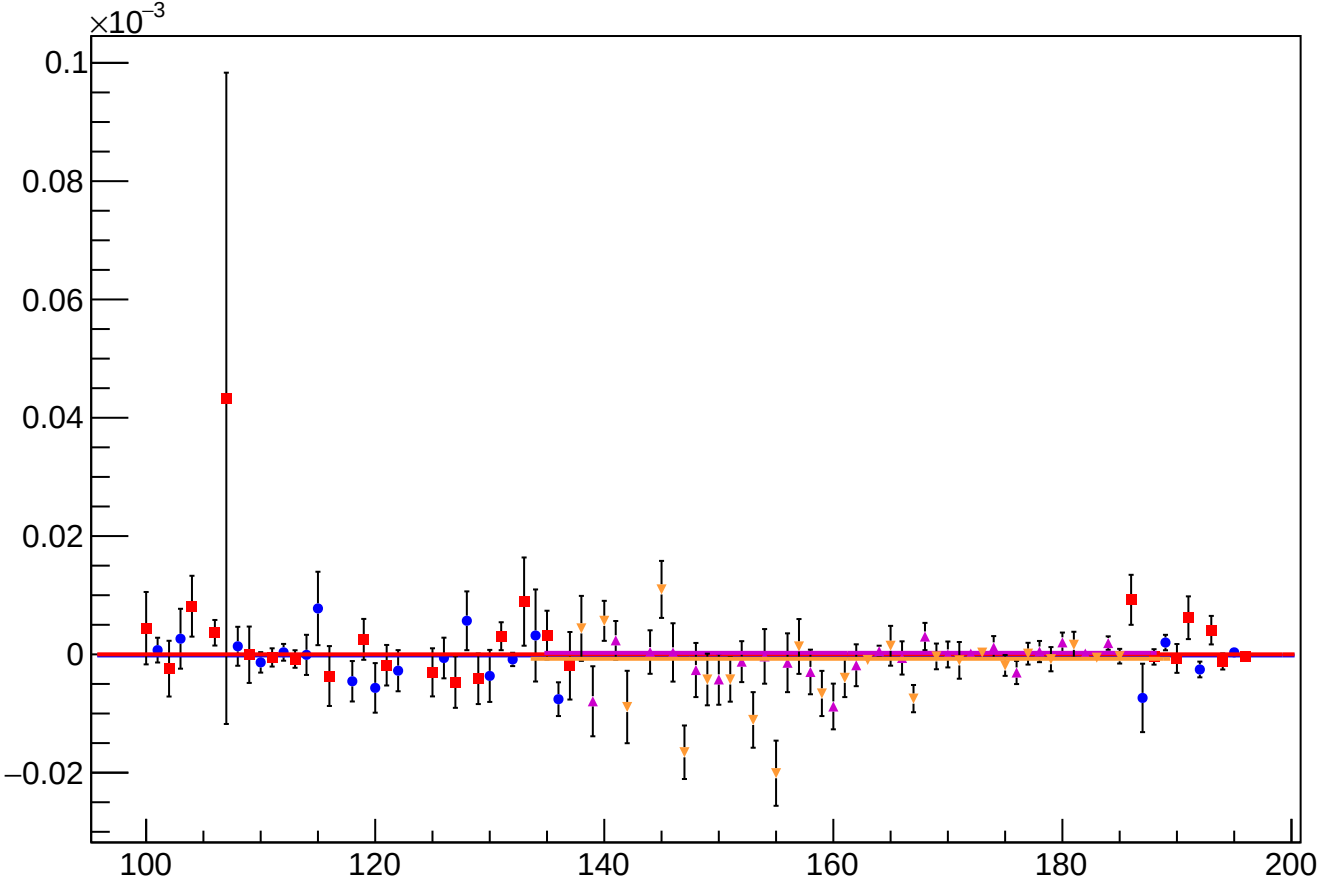
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.082+/-0.009 χ^2/NDF: 1928193.4/43

All: 64.015+/-0.006 χ^2/NDF: 4740876.8/91

- 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: 24.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/24

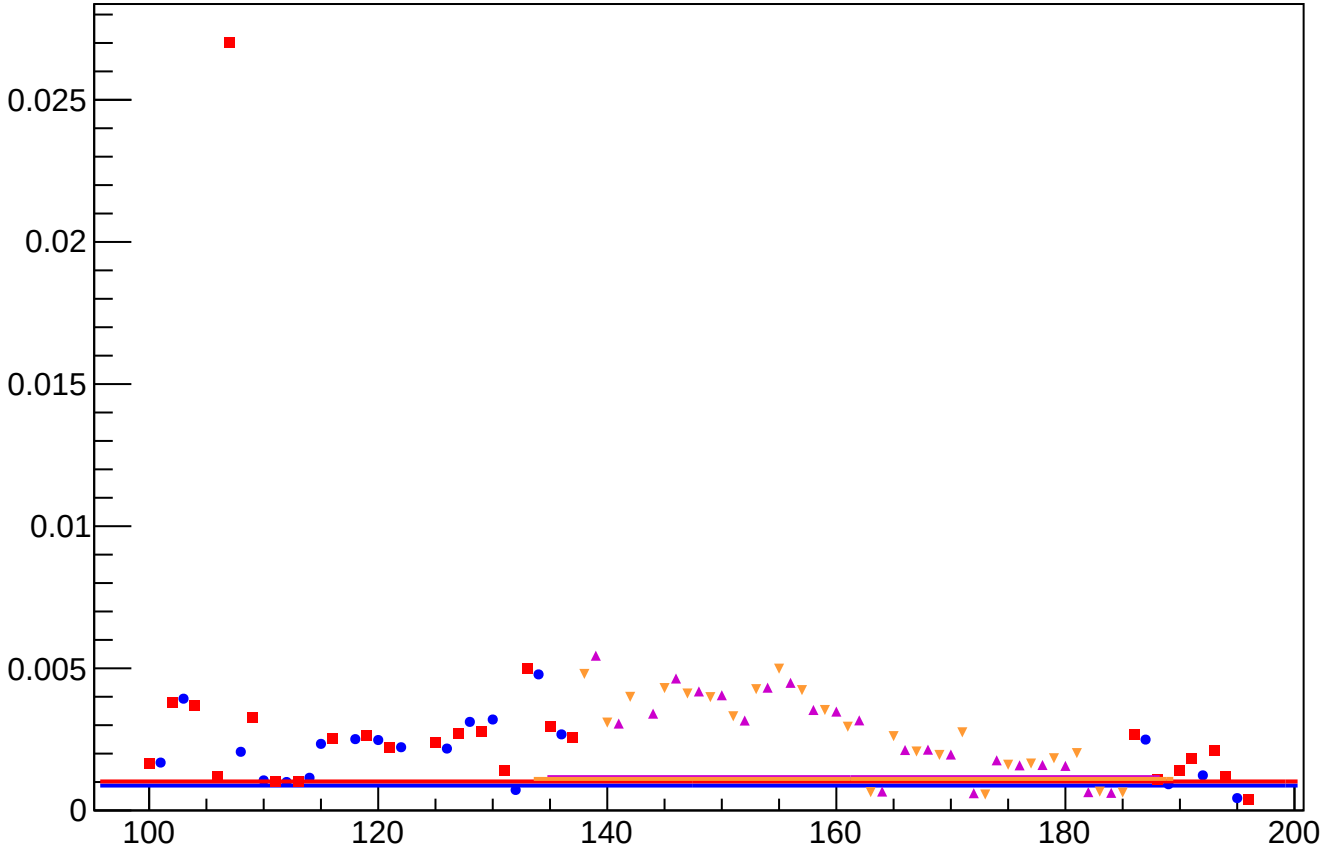
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.0/43

All: -0.000+/-0.000 χ^2/NDF: 135.1/91

- 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: 6898635.5/19

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8233207.8/24

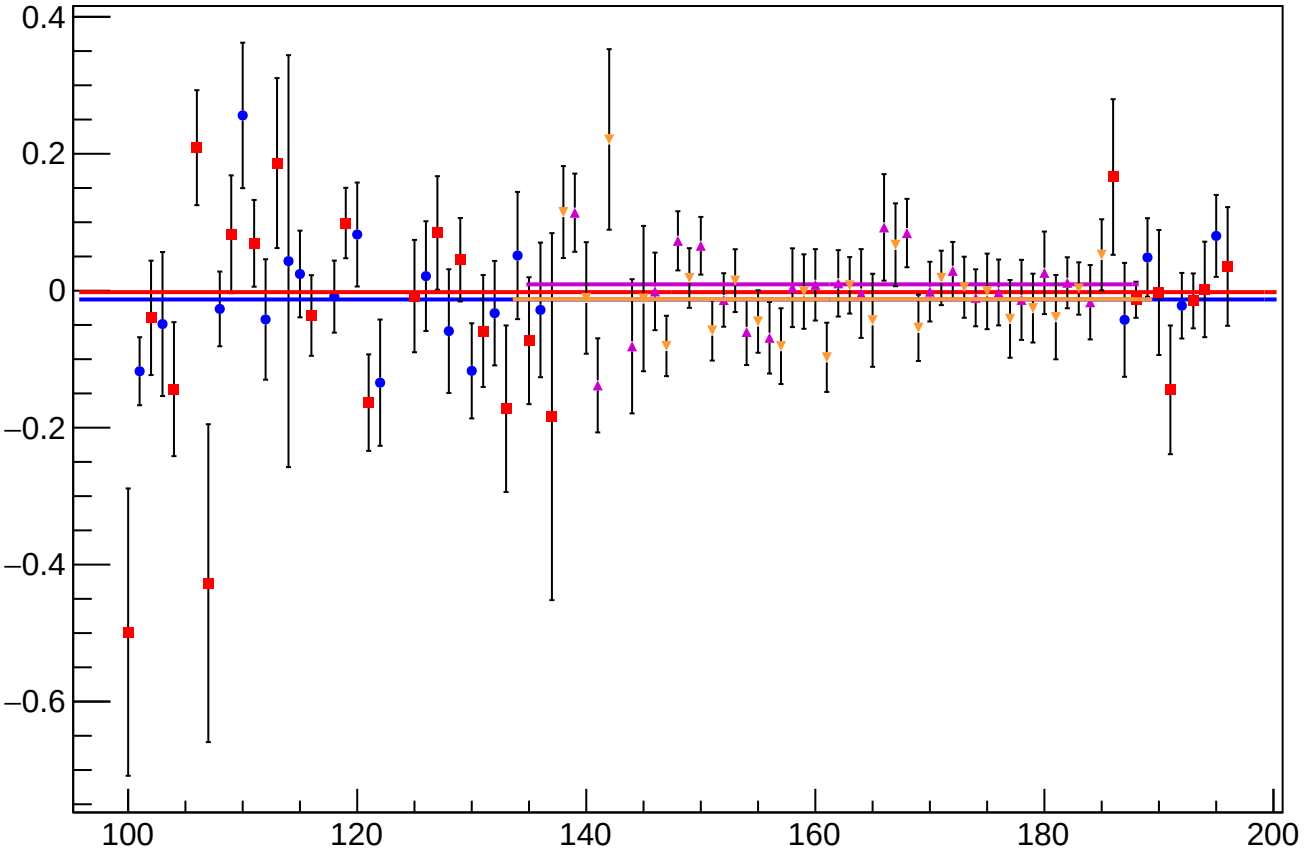
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 22499158.9/43

All: 0.001+/-0.000 χ^2/NDF: 45313526.6/91

- sign 0.001+/-0.000 χ^2/NDF: 22648894.0/47

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

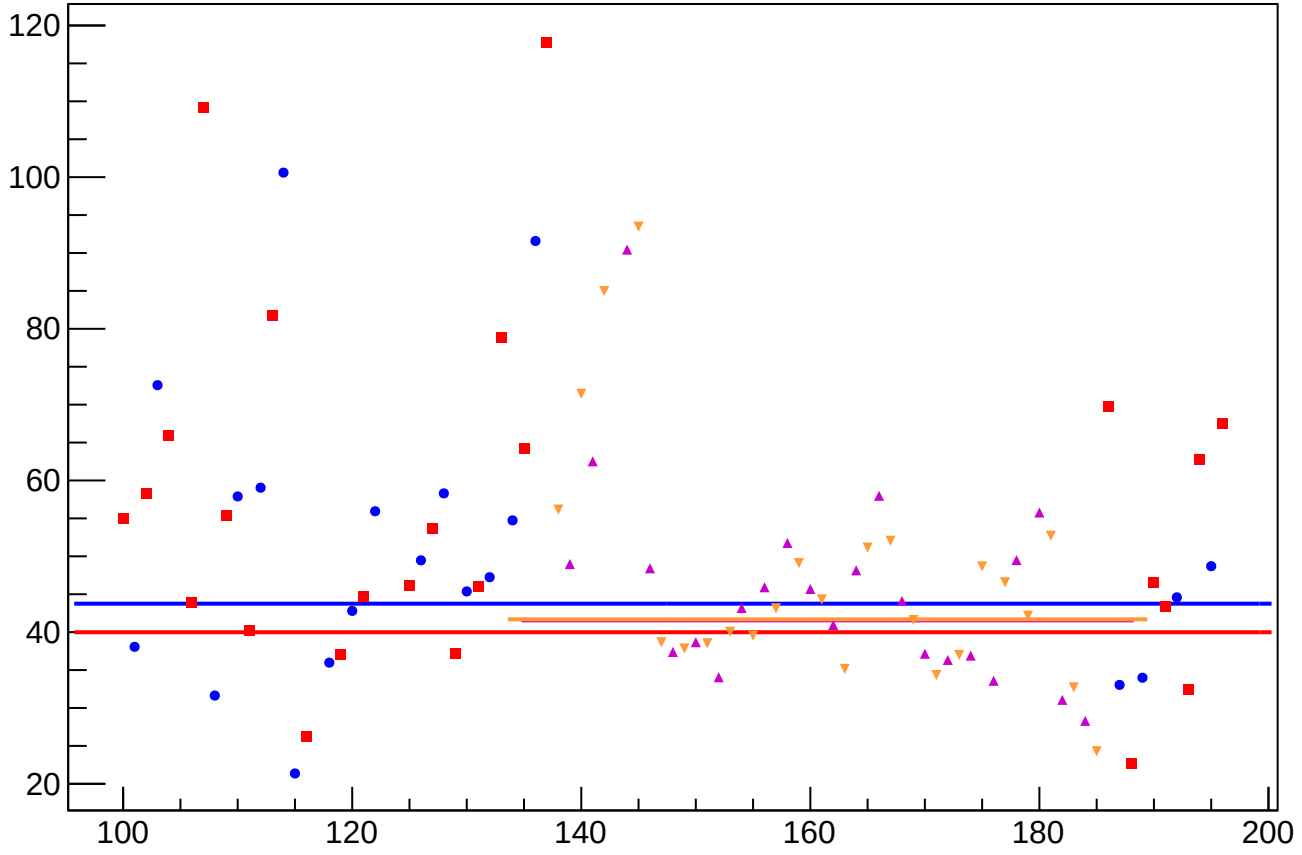
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 43.7/43

All: -0.003+/-0.006 χ^2/NDF: 109.9/91

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.755+/-0.011 χ^2/NDF: 1445467.0/19

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

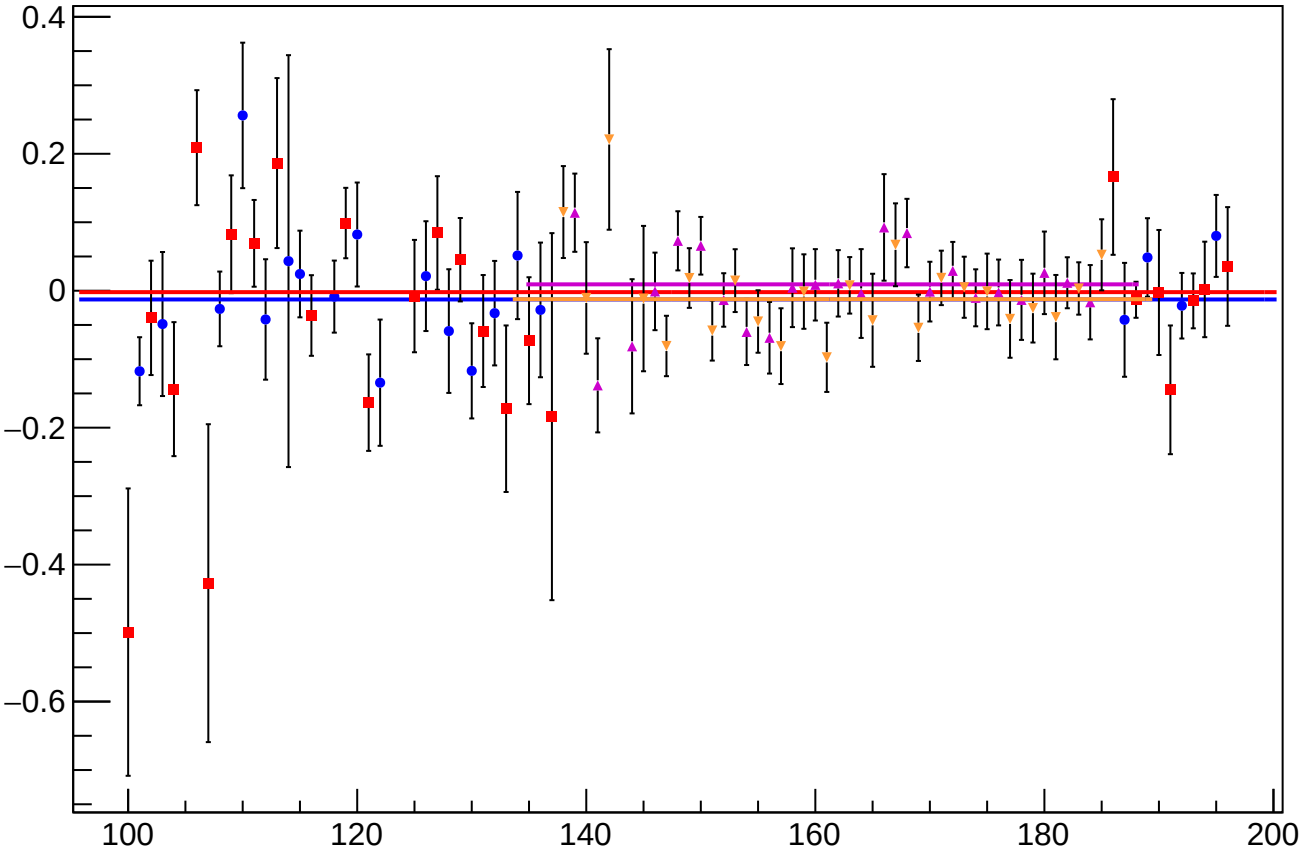
Right Out: 39.986+/-0.010 χ^2/NDF: 2931614.2/24

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

+ sign 42.325+/-0.006 χ^2/NDF: 3290804.5/43

All: 41.613+/-0.004 χ^2/NDF: 7877154.7/91

- sign 40.970+/-0.006 χ^2/NDF: 4561107.7/47



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

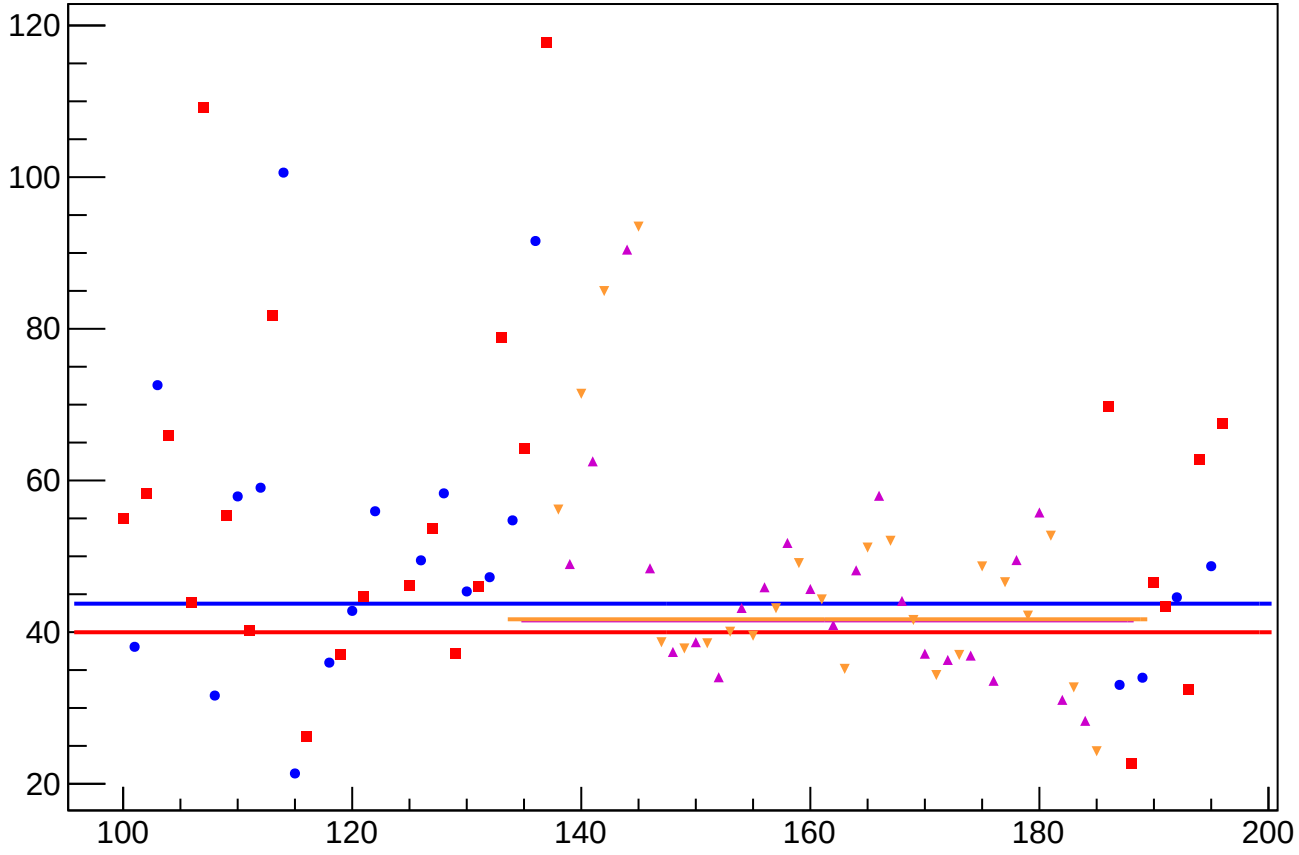
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 43.7/43

All: -0.003+/-0.006 χ^2/NDF: 109.9/91

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.755+/-0.011 χ^2/NDF: 1445467.0/19

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

Right Out: 39.986+/-0.010 χ^2/NDF: 2931614.2/24

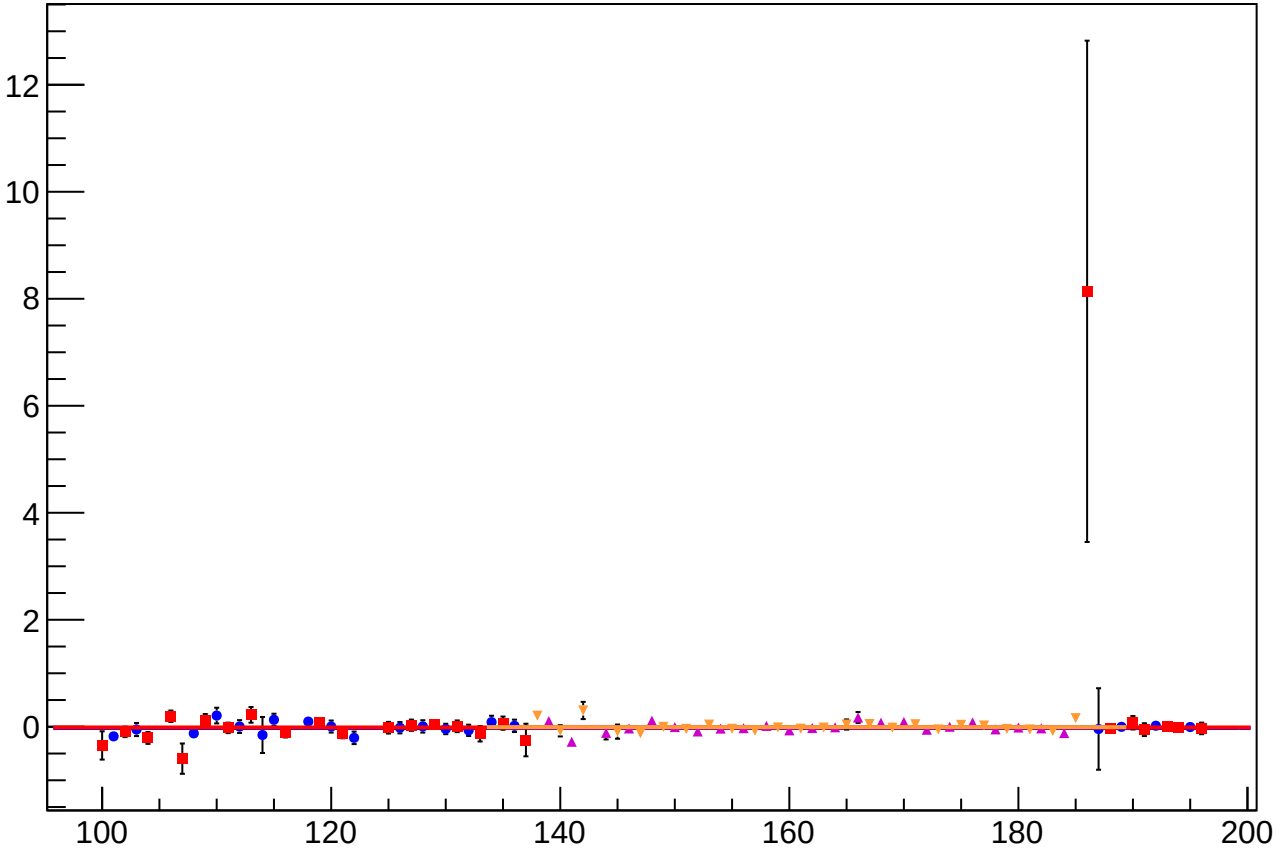
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.325+/-0.006 χ^2/NDF: 3290804.5/43

All: 41.613+/-0.004 χ^2/NDF: 7877154.7/91

- sign 40.970+/-0.006 χ^2/NDF: 4561107.7/47

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.023+/-0.022 χ^2/NDF: 18.2/19

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.013+/-0.020 χ^2/NDF: 26.8/24

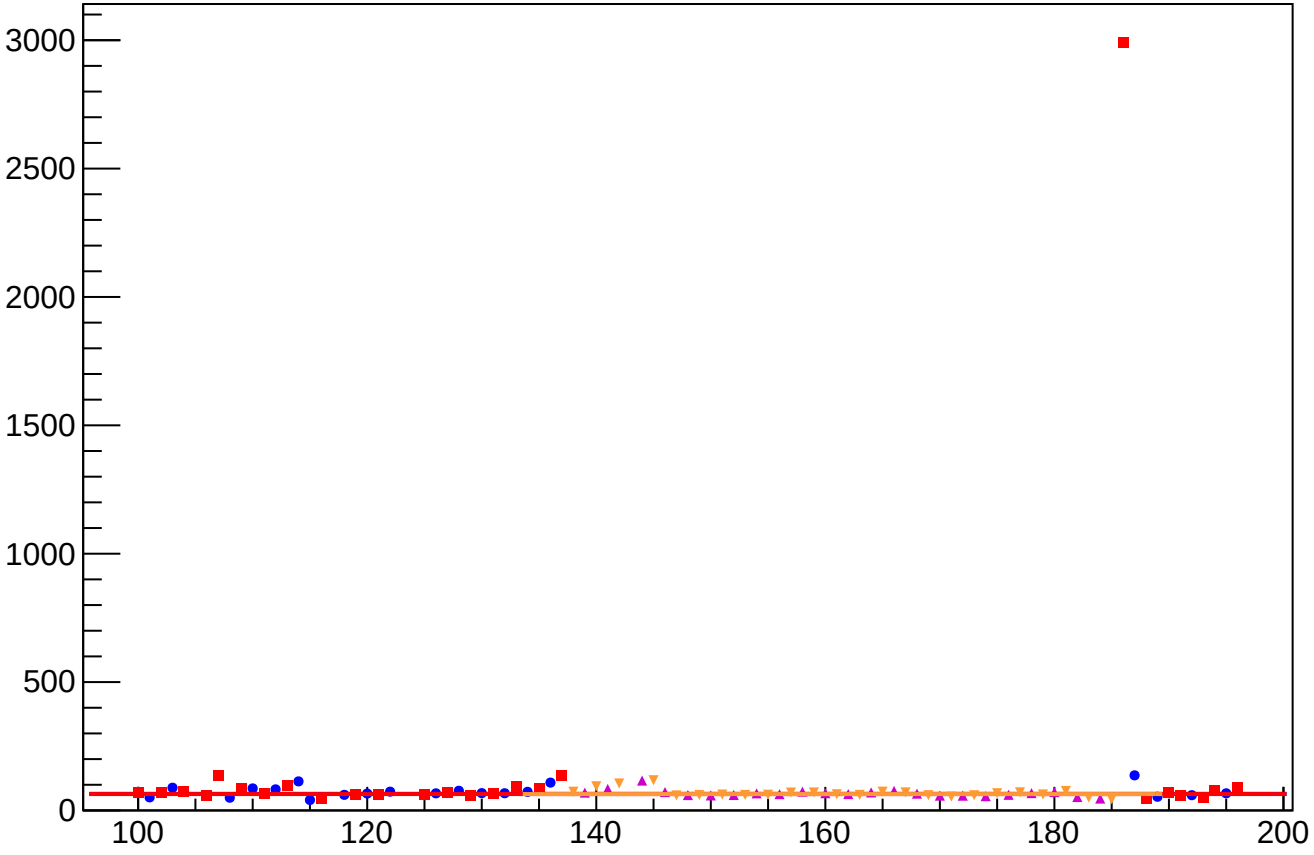
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.3/43

All: -0.011+/-0.009 χ^2/NDF: 97.3/91

- sign -0.010+/-0.012 χ^2/NDF: 55.0/47

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.721+/-0.016 χ^2/NDF: 846961.5/19

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.806+/-0.014 χ^2/NDF: 1973599.1/24

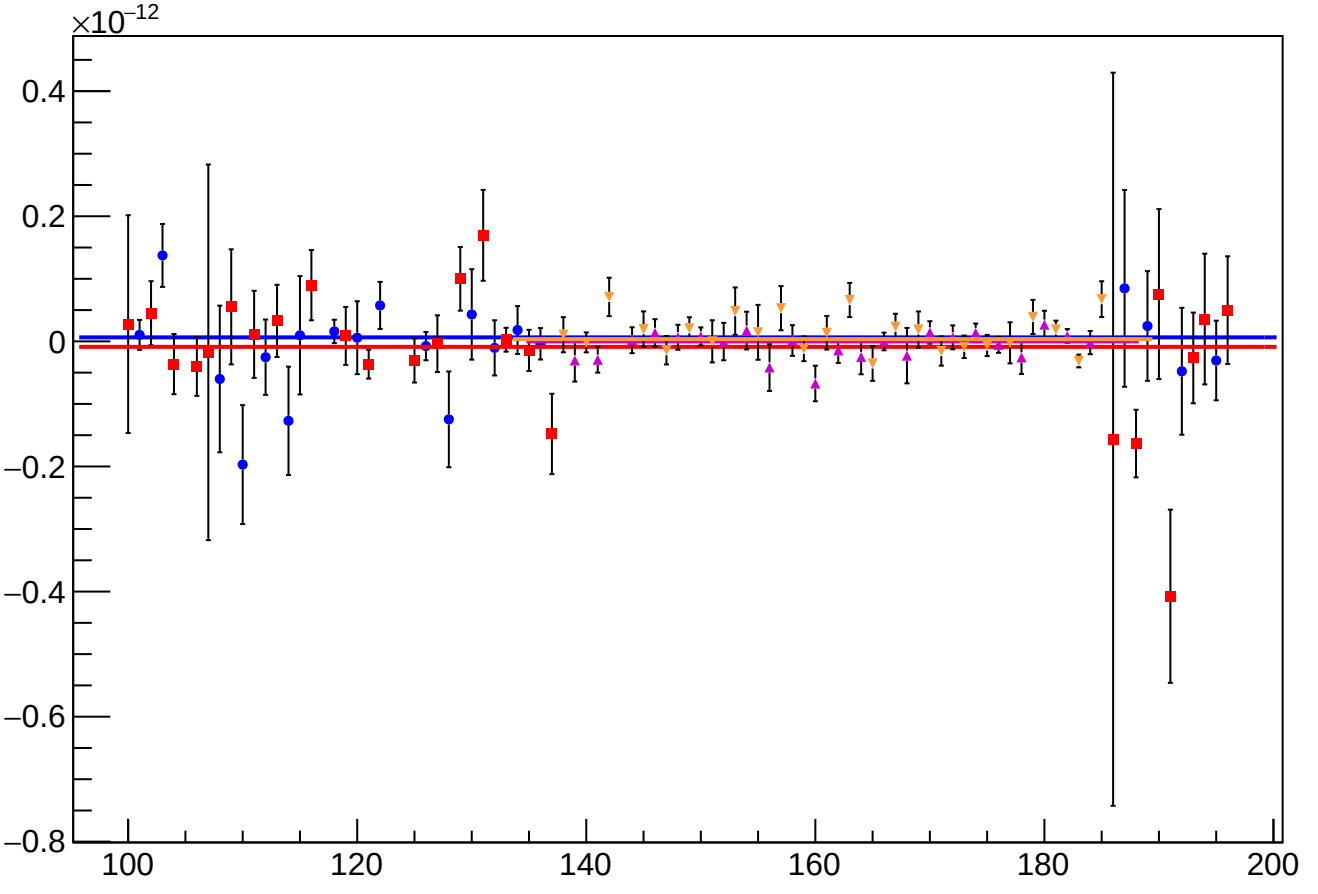
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.082+/-0.009 χ^2/NDF: 1928180.6/43

All: 64.015+/-0.006 χ^2/NDF: 4740834.4/91

- 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: 21.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

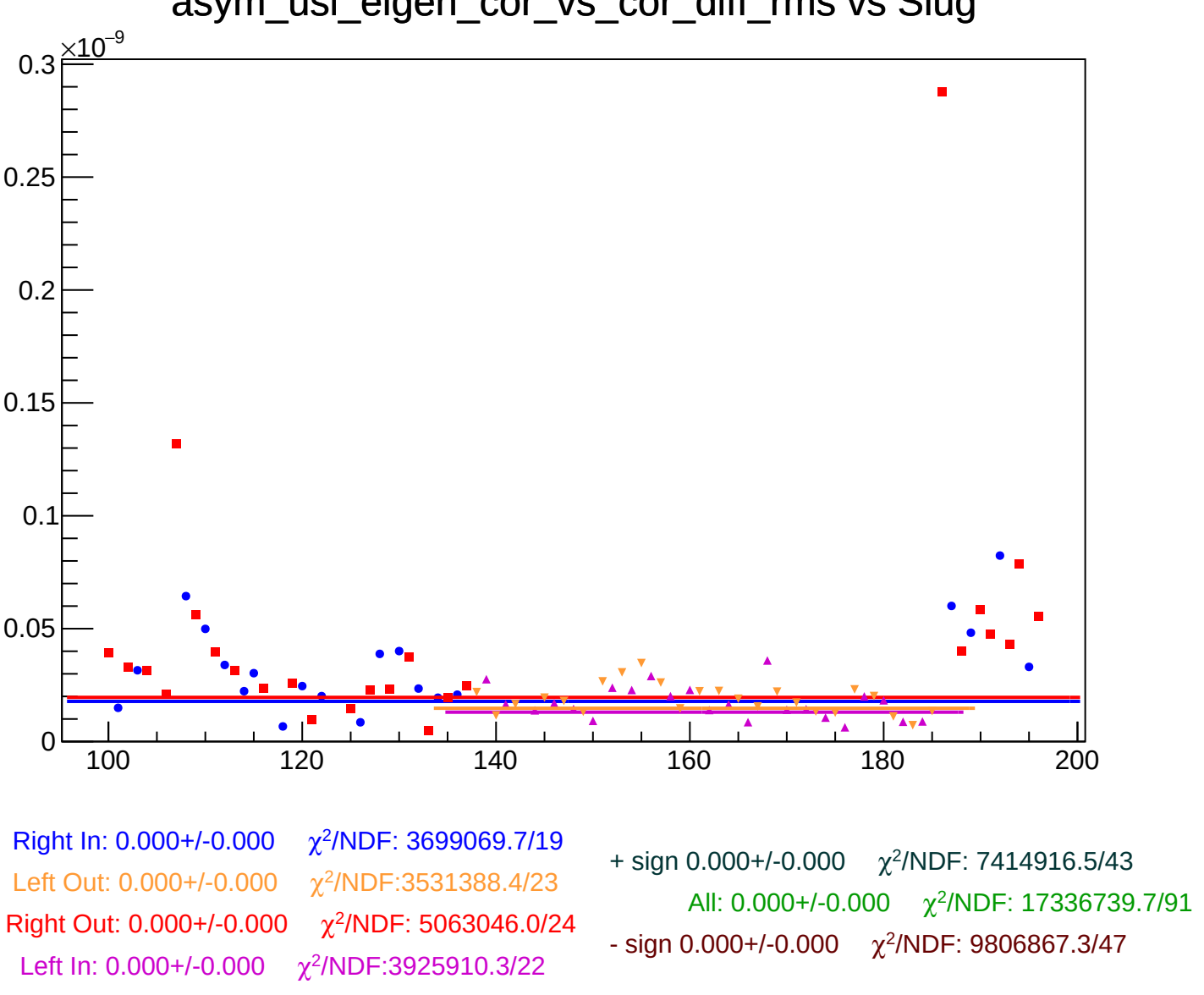
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/24

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

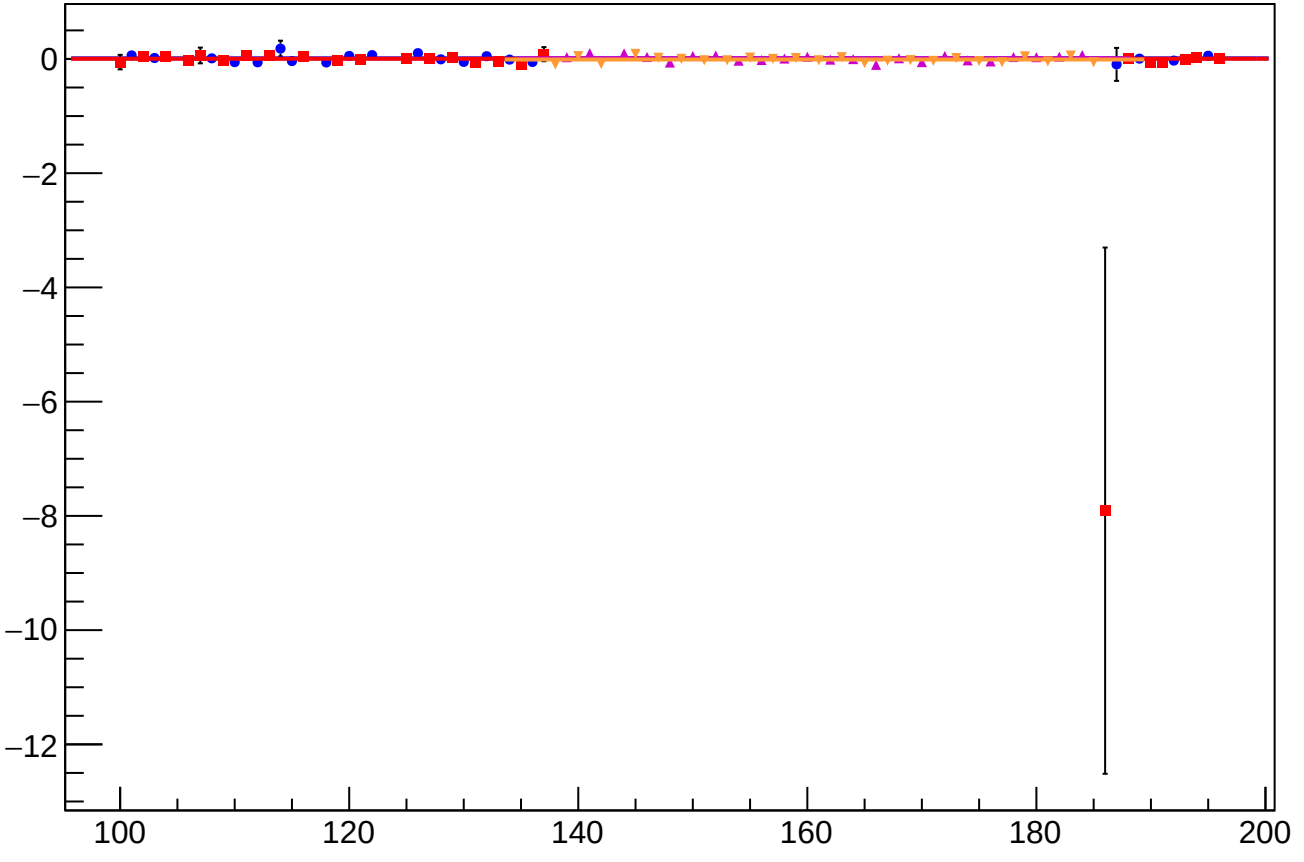
+ sign 0.000+/-0.000 χ^2/NDF: 62.0/43

All: 0.000+/-0.000 χ^2/NDF: 122.3/91

- sign -0.000+/-0.000 χ^2/NDF: 59.2/47


asym_usl_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3699069.7/19
Left Out: 0.000+/-0.000 χ²/NDF:3531388.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 5063046.0/24
Left In: 0.000+/-0.000 χ²/NDF:3925910.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7414916.5/43
All: 0.000+/-0.000 χ²/NDF: 17336739.7/91
- sign 0.000+/-0.000 χ²/NDF: 9806867.3/47

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.012 χ^2/NDF: 17.8/19

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.004+/-0.010 χ^2/NDF: 16.0/24

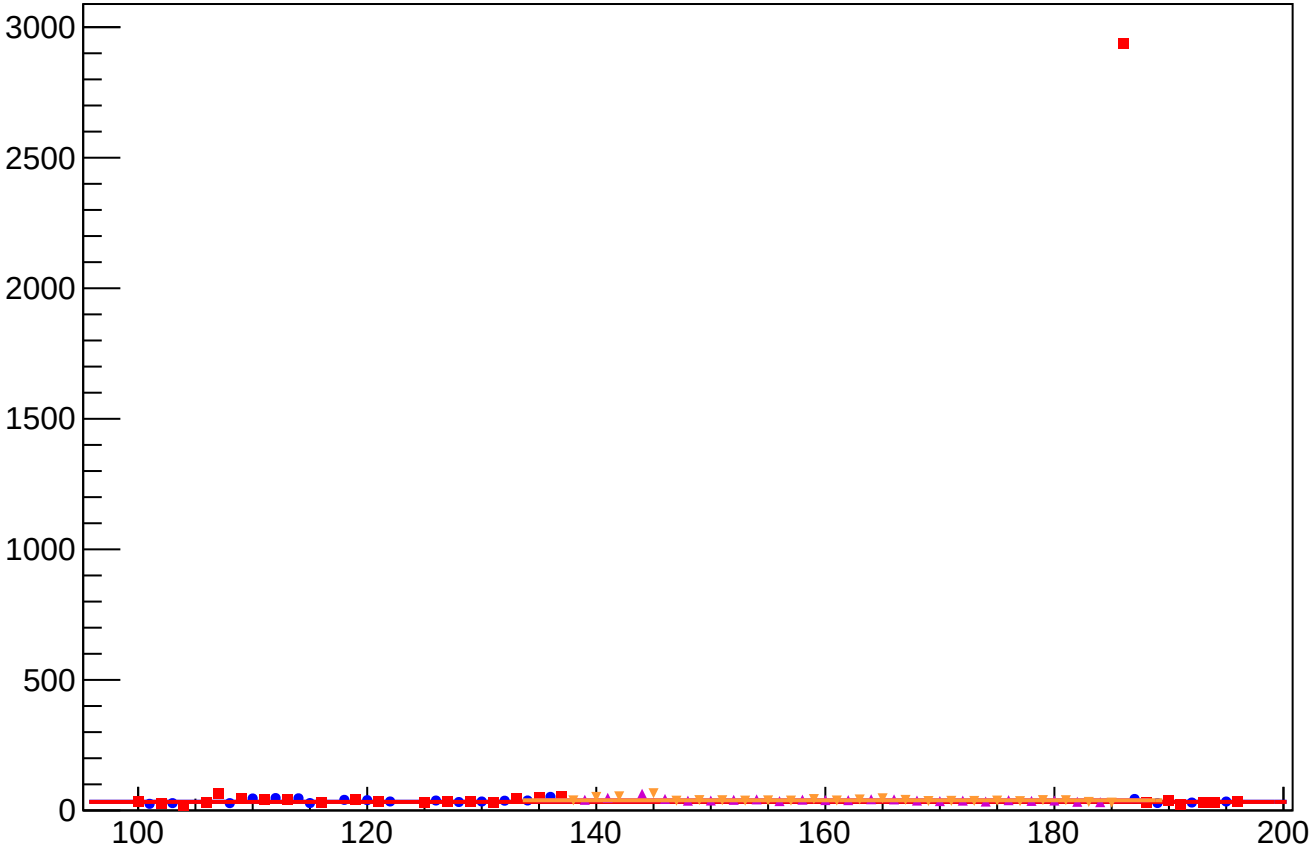
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/43

All: 0.003+/-0.005 χ^2/NDF: 79.5/91

- sign 0.008+/-0.007 χ^2/NDF: 39.5/47

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.394+/-0.008 χ^2/NDF: 688757.9/19

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

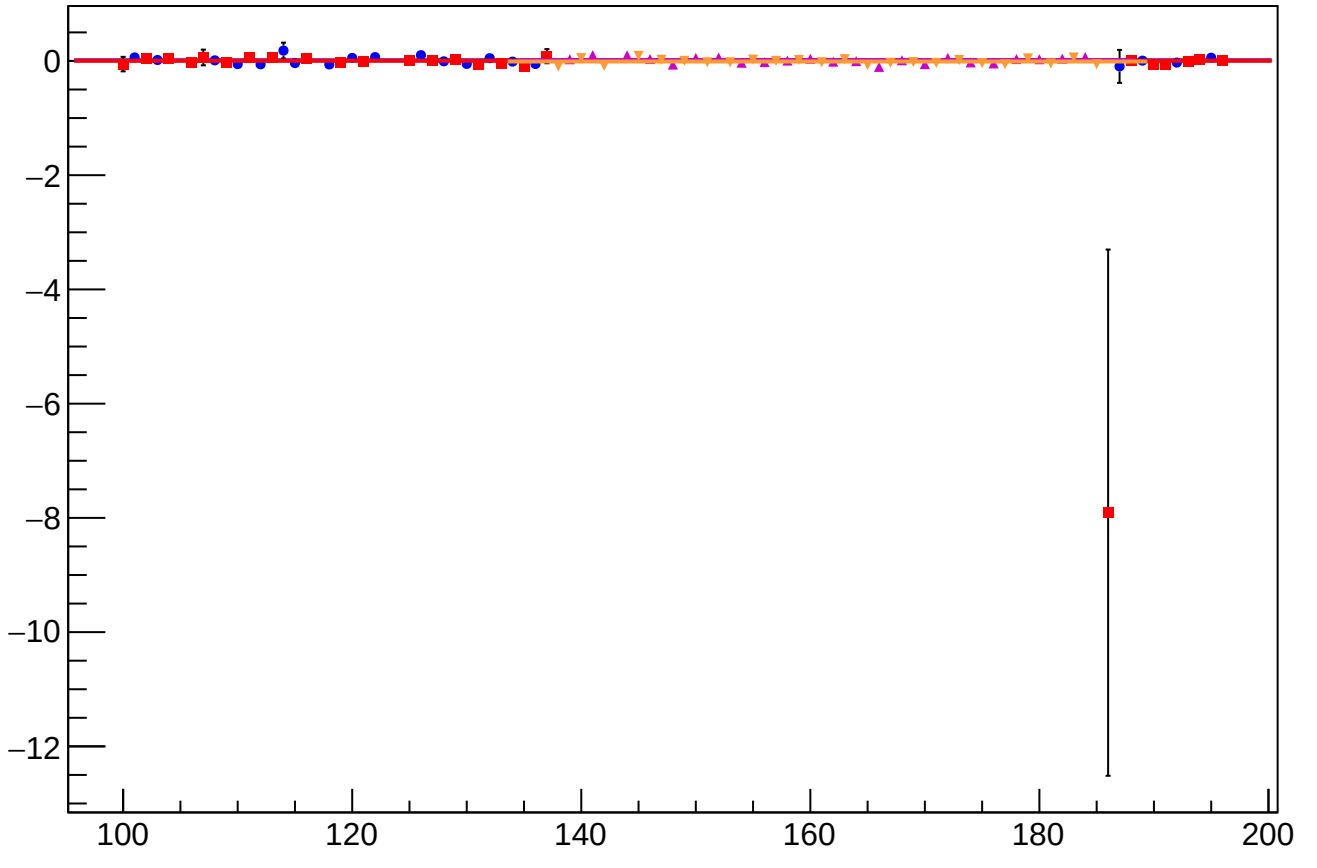
Right Out: 32.682+/-0.007 χ^2/NDF: 1805432.0/24

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

+ sign 36.721+/-0.005 χ^2/NDF: 1593659.6/43

All: 36.452+/-0.004 χ^2/NDF: 4349246.2/91

- sign 36.202+/-0.005 χ^2/NDF: 2750356.8/47



Right In: 0.010+/-0.012 χ^2/NDF: 17.8/19

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.004+/-0.010 χ^2/NDF: 16.0/24

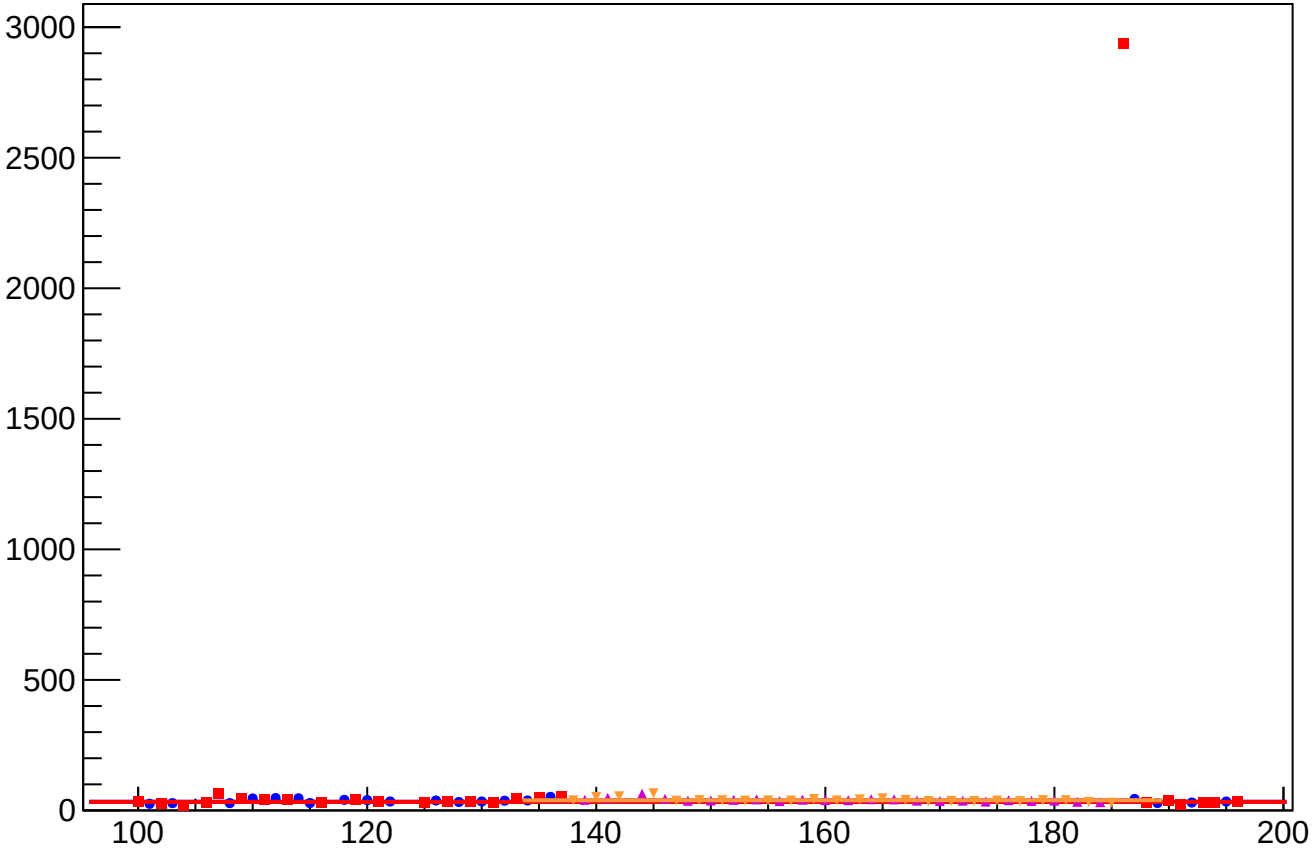
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/43

All: 0.003+/-0.005 χ^2/NDF: 79.5/91

- sign 0.008+/-0.007 χ^2/NDF: 39.5/47

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.394+/-0.008 χ^2/NDF: 688757.9/19

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.682+/-0.007 χ^2/NDF: 1805432.0/24

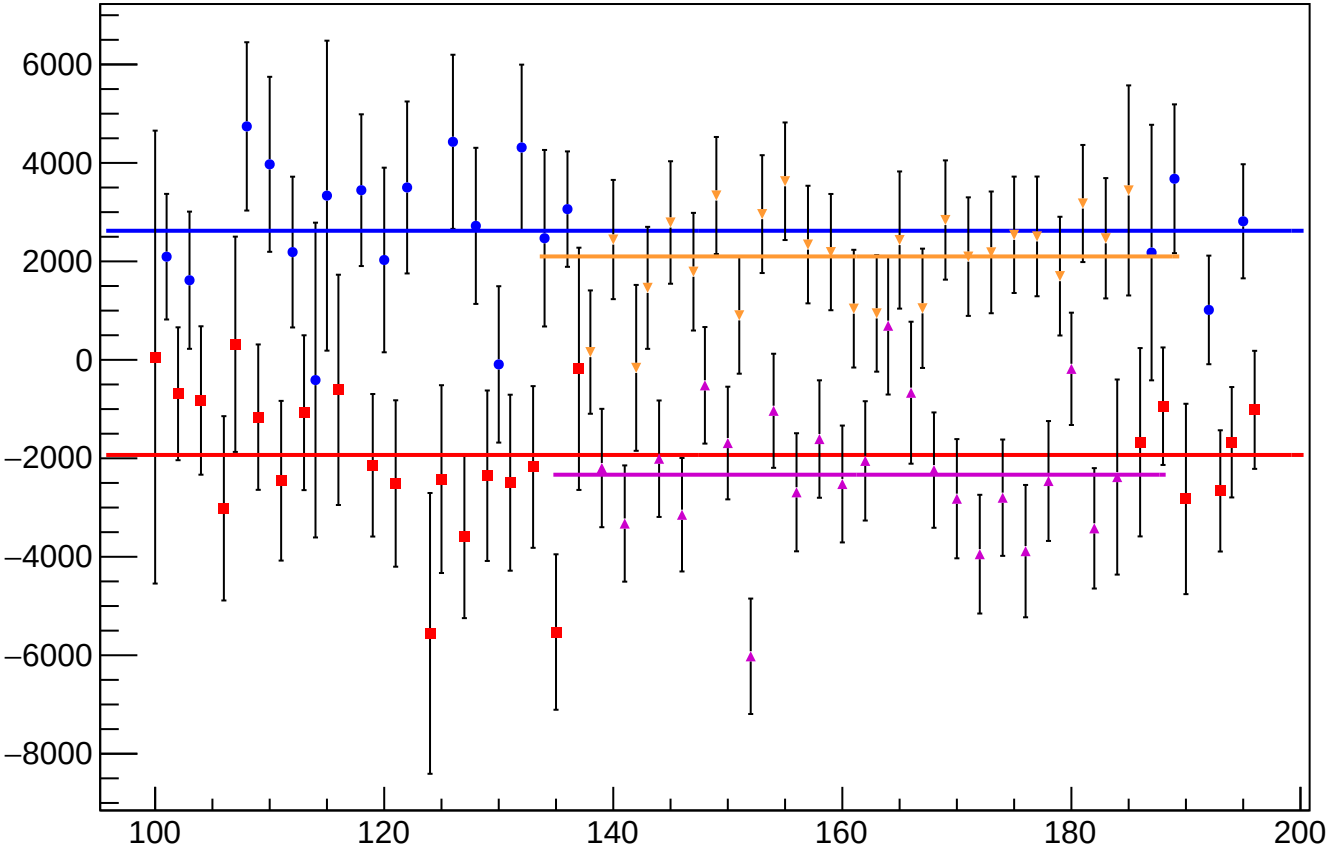
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.721+/-0.005 χ^2/NDF: 1593659.6/43

All: 36.452+/-0.004 χ^2/NDF: 4349246.2/91

- sign 36.202+/-0.005 χ^2/NDF: 2750356.8/47

reg_asym_usr_mean vs Slug



Right In: 2621.820+/-351.222 χ^2/NDF: 12.3/19

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

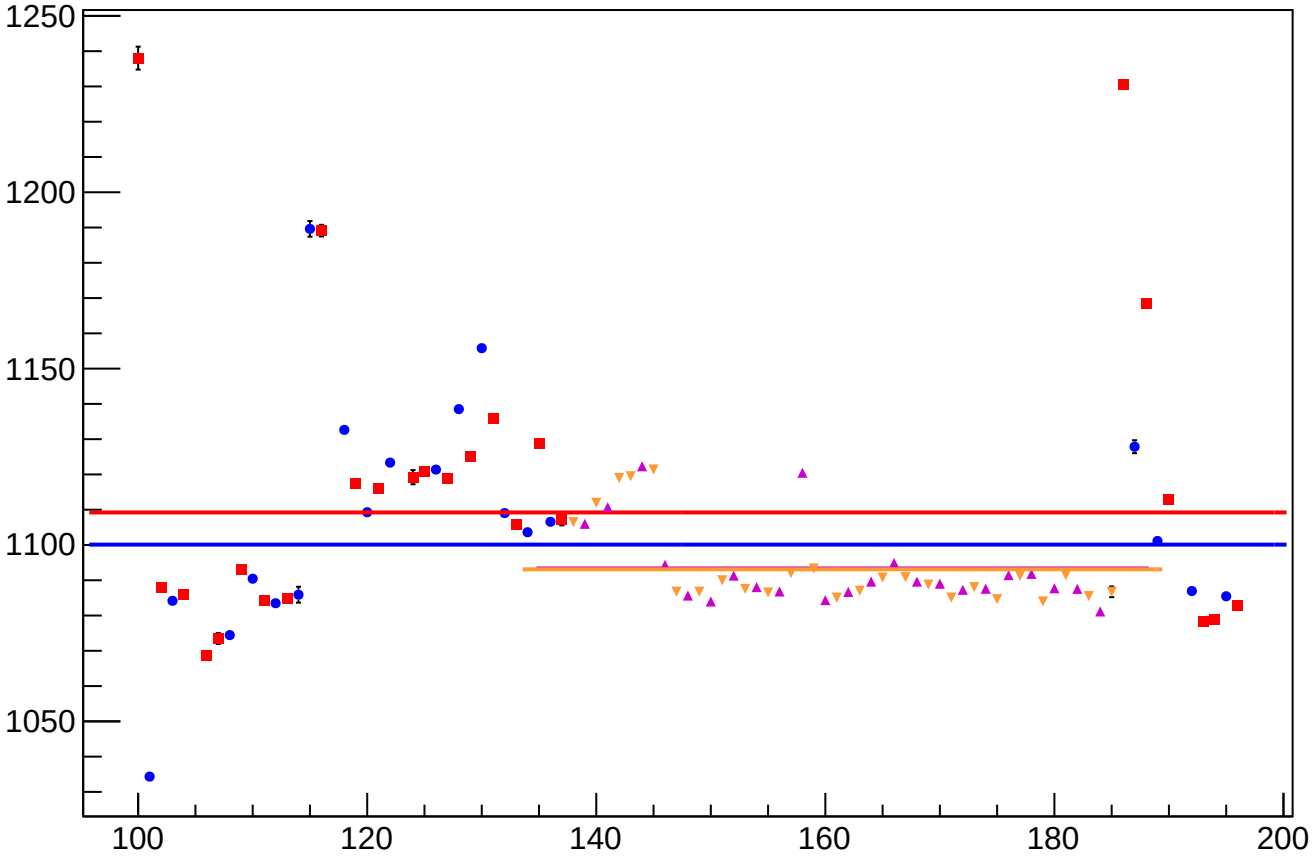
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 22.757+/-142.571 χ^2/NDF: 316.5/92

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

reg_asym_usr_rms vs Slug



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

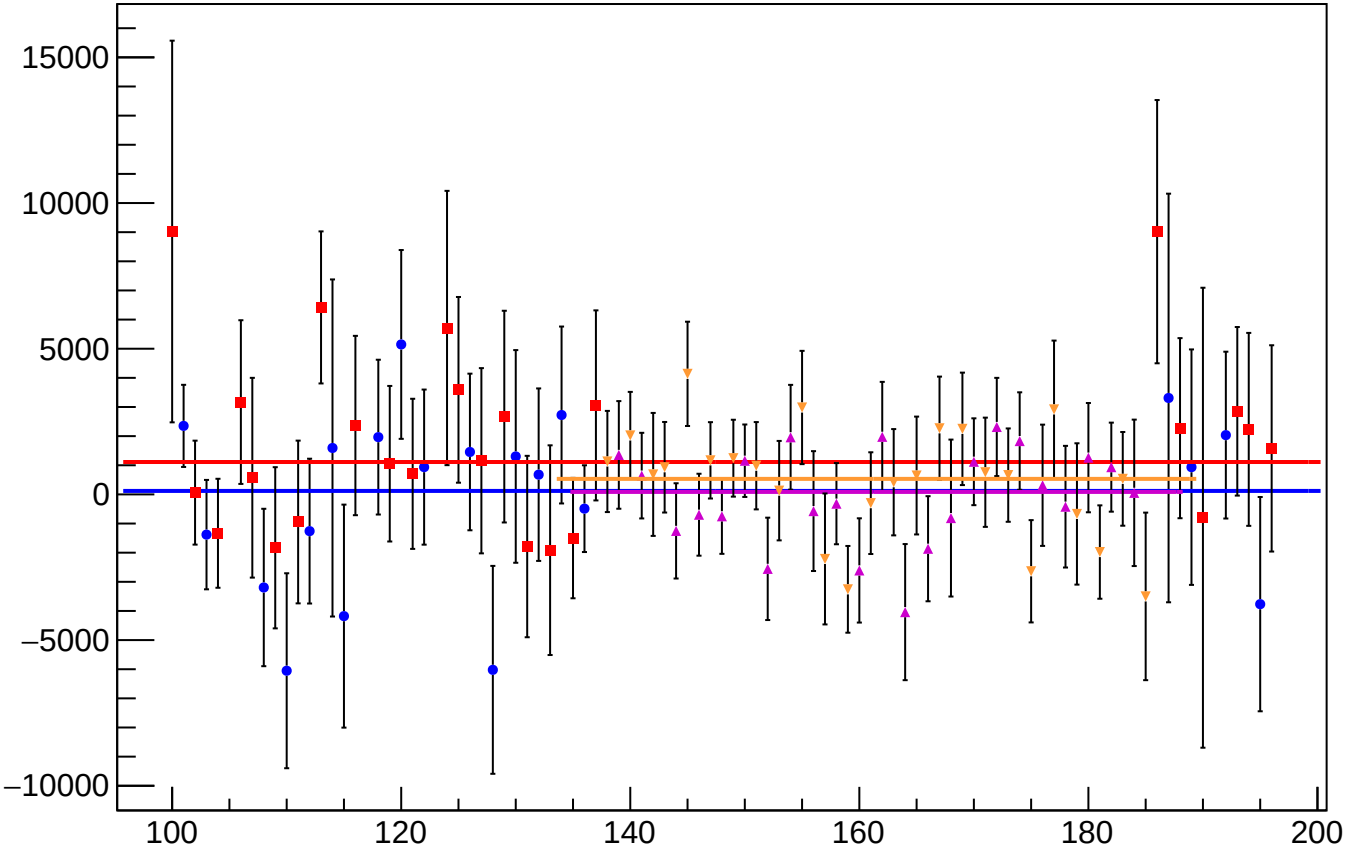
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

\+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.452+/-0.101 χ^2/NDF: 51159.0/92

\- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47

asym_usr_reg_correction_mean vs Slug



Right In: 119.336+/-587.719 χ^2/NDF: 18.7/19

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

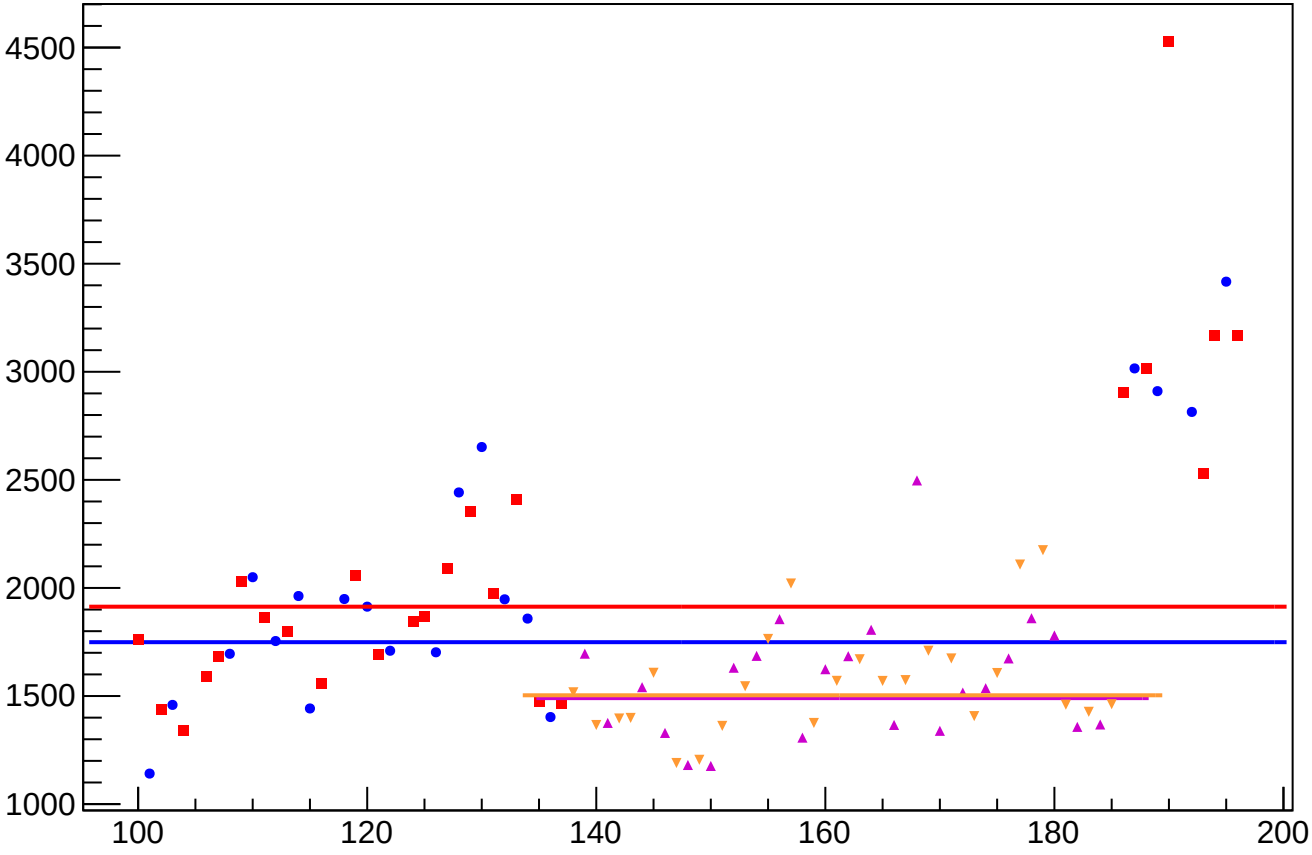
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 393.708+/-212.731 χ^2/NDF: 85.0/92

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_reg_correction_rms vs Slug



Right In: 1749.111+/-0.416 χ^2/NDF: 1706149.9/19

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

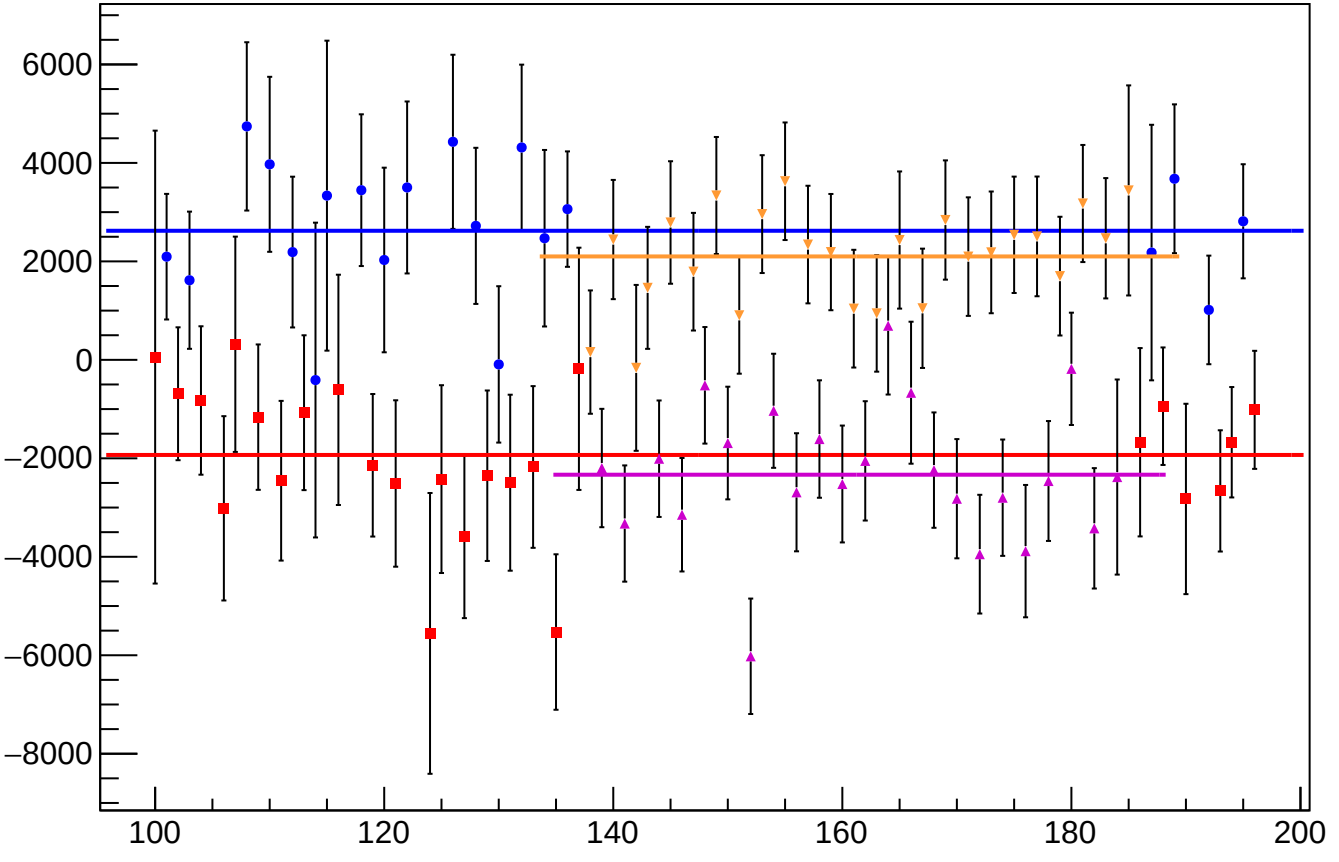
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1585.138+/-0.150 χ^2/NDF: 6339790.9/92

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47

cor_asym_usr_mean vs Slug



Right In: 2621.820+/-351.222 χ^2/NDF: 12.3/19

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

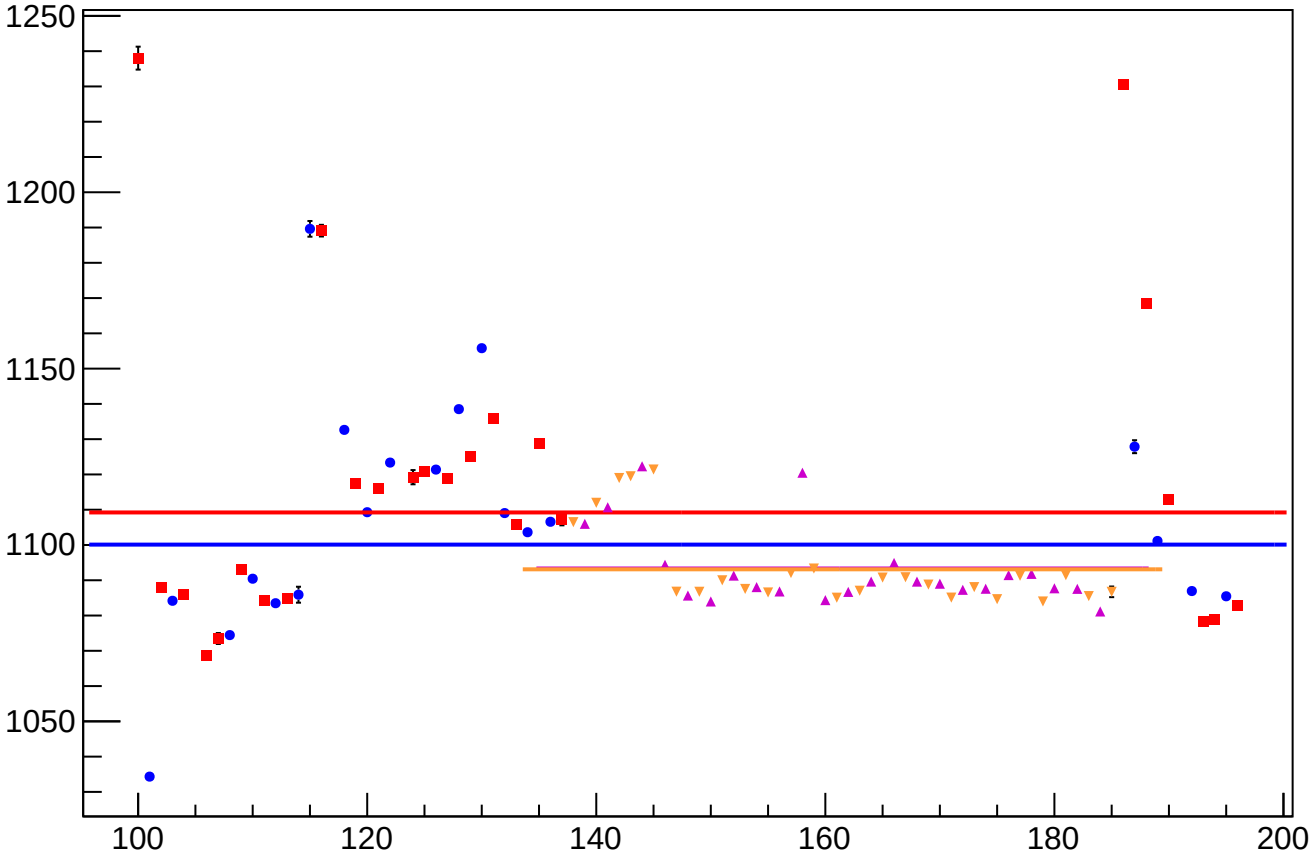
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 22.757+/-142.571 χ^2/NDF: 316.5/92

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

cor_asym_usr_rms vs Slug



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

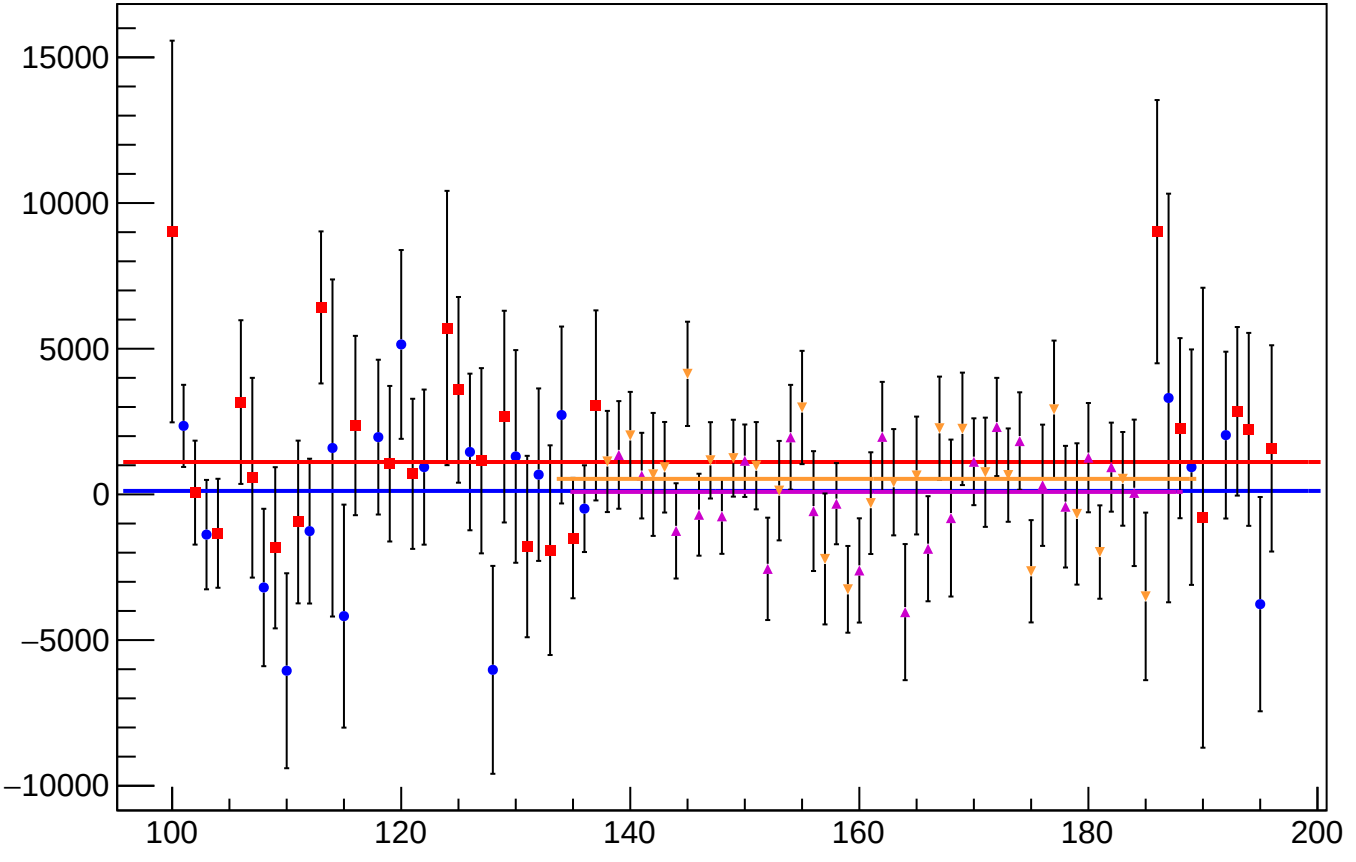
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.452+/-0.101 χ^2/NDF: 51159.0/92

- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47

asym_usr_cor_correction_mean vs Slug



Right In: 119.336+/-587.719 χ^2/NDF: 18.7/19

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

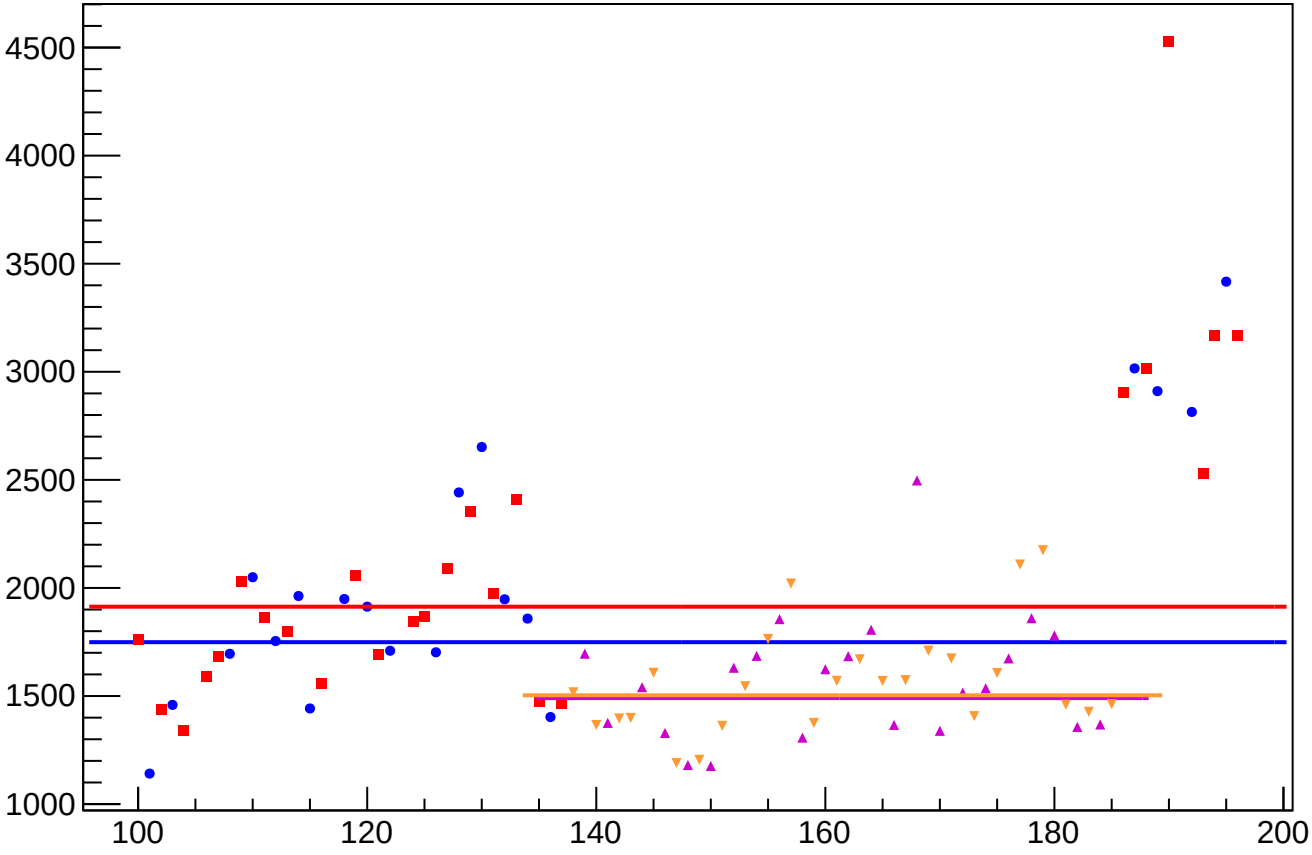
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 393.708+/-212.731 χ^2/NDF: 85.0/92

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_cor_correction_rms vs Slug



Right In: 1749.111+/-0.416 χ^2/NDF: 1706149.9/19

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

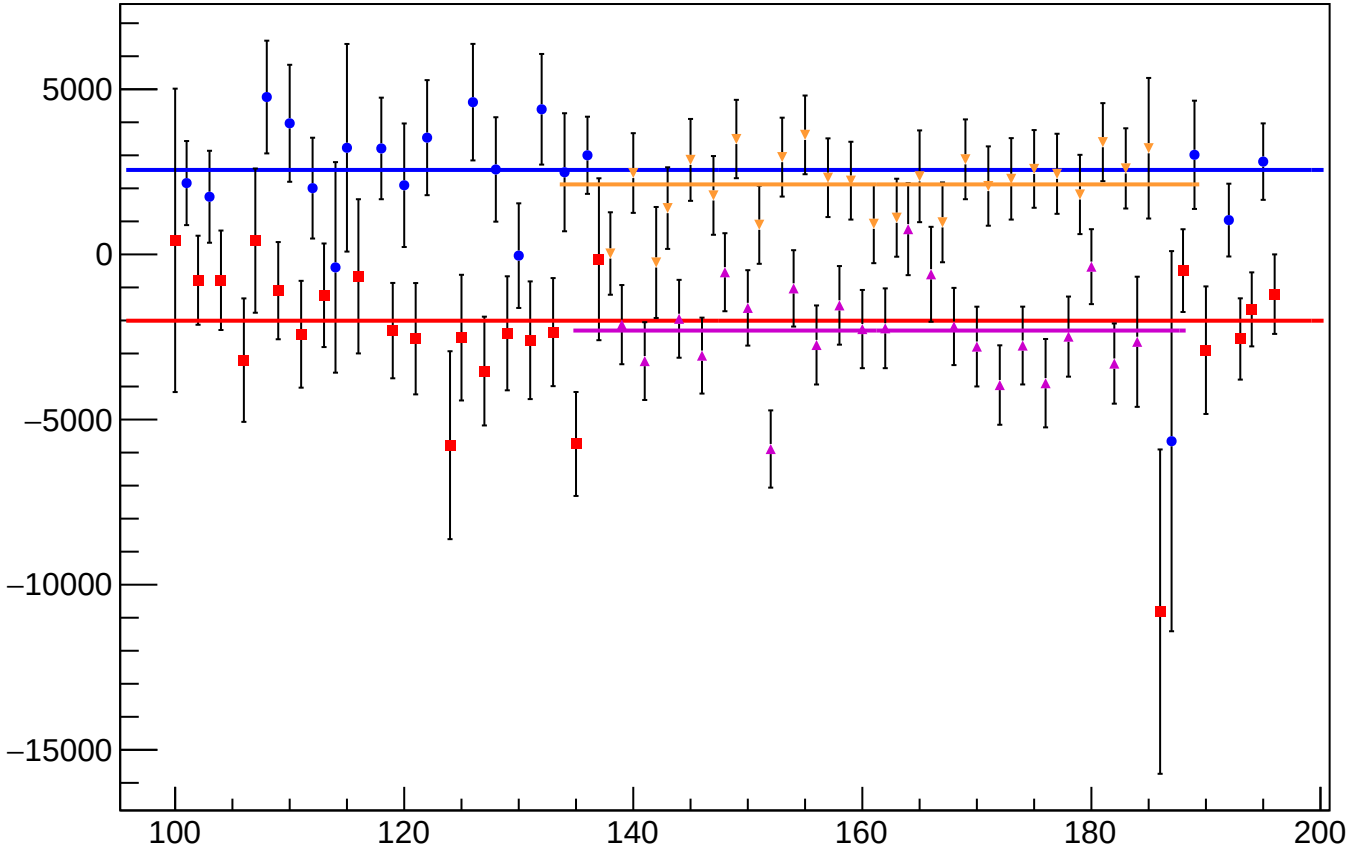
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1585.138+/-0.150 χ^2/NDF: 6339790.9/92

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47

overload_cor_asym_usr_mean vs Slug



Right In: 2557.562+/-354.504 χ^2/NDF: 13.8/19

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2007.241+/-328.659 χ^2/NDF: 19.3/24

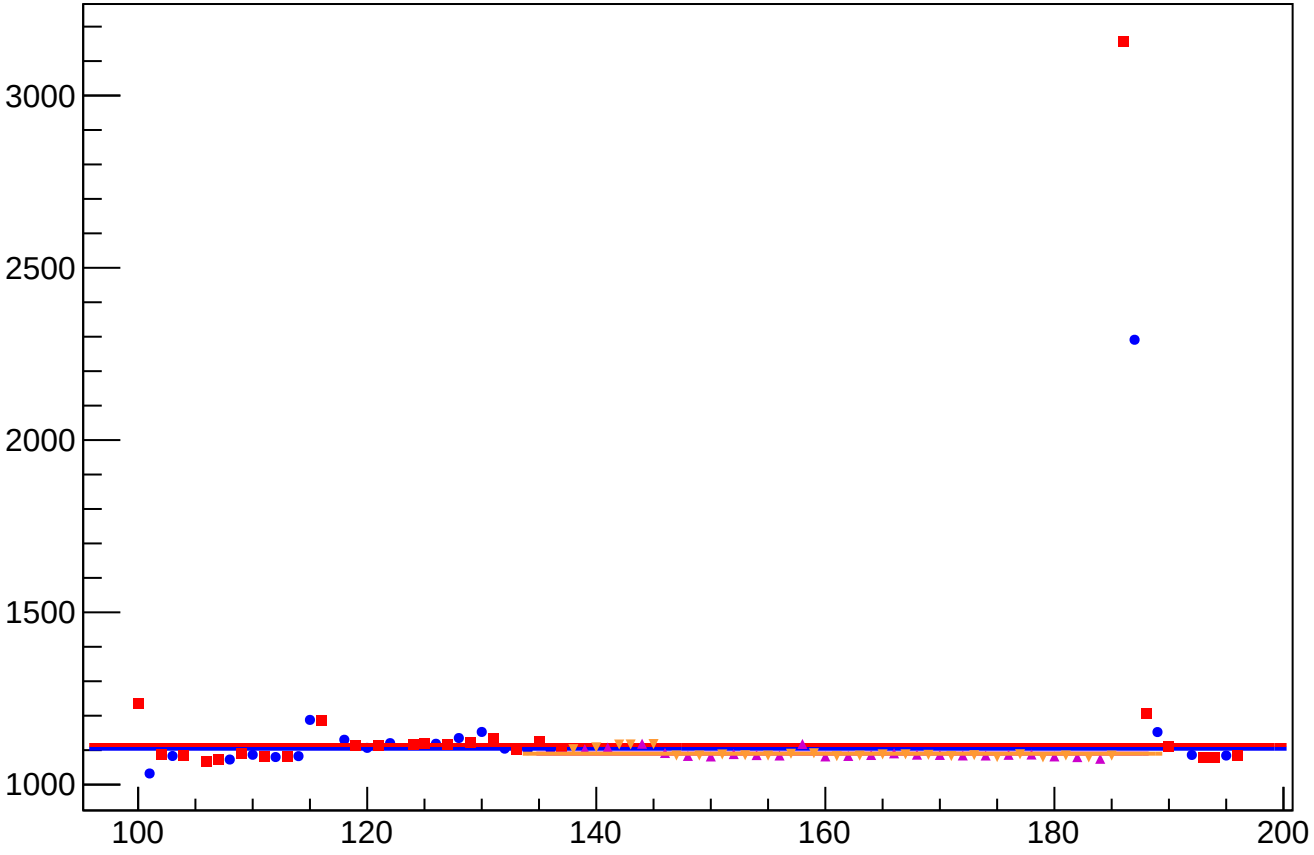
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2263.404+/-202.959 χ^2/NDF: 29.9/44

All: 15.719+/-142.896 χ^2/NDF: 321.4/92

- sign -2193.642+/-201.222 χ^2/NDF: 48.3/47

overload_cor_asym_usr_rms vs Slug



Right In: 1104.140+/-0.251 χ^2/NDF: 101224.7/19

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1114.955+/-0.232 χ^2/NDF: 371175.5/24

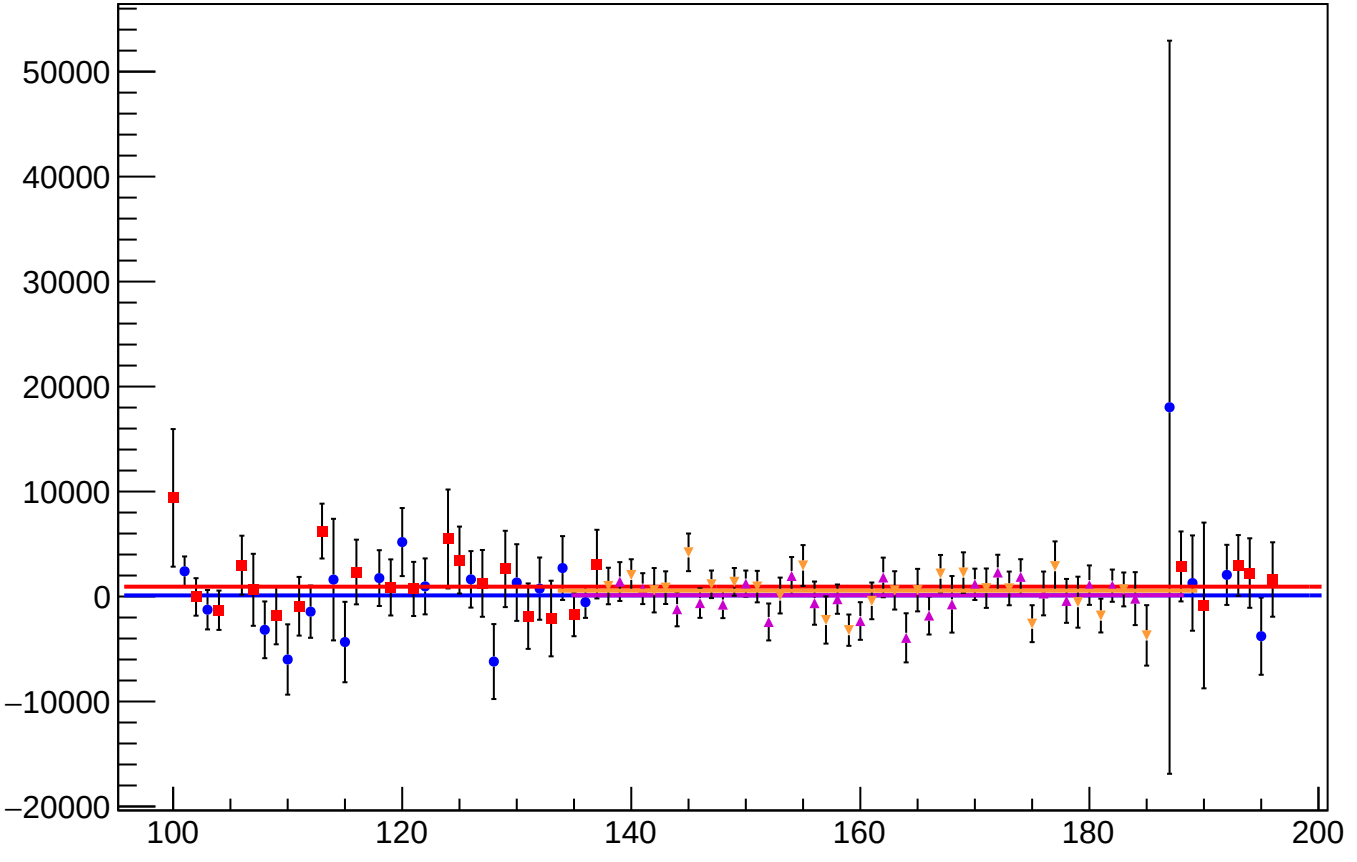
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1094.462+/-0.144 χ^2/NDF: 107499.6/44

All: 1096.918+/-0.101 χ^2/NDF: 490381.0/92

- sign 1099.332+/-0.142 χ^2/NDF: 382300.8/47

asym_usr_overload_cor_correction_mean vs Slug



Right In: 106.384+/-591.705 χ^2/NDF: 19.1/19

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 938.583+/-591.698 χ^2/NDF: 16.1/23

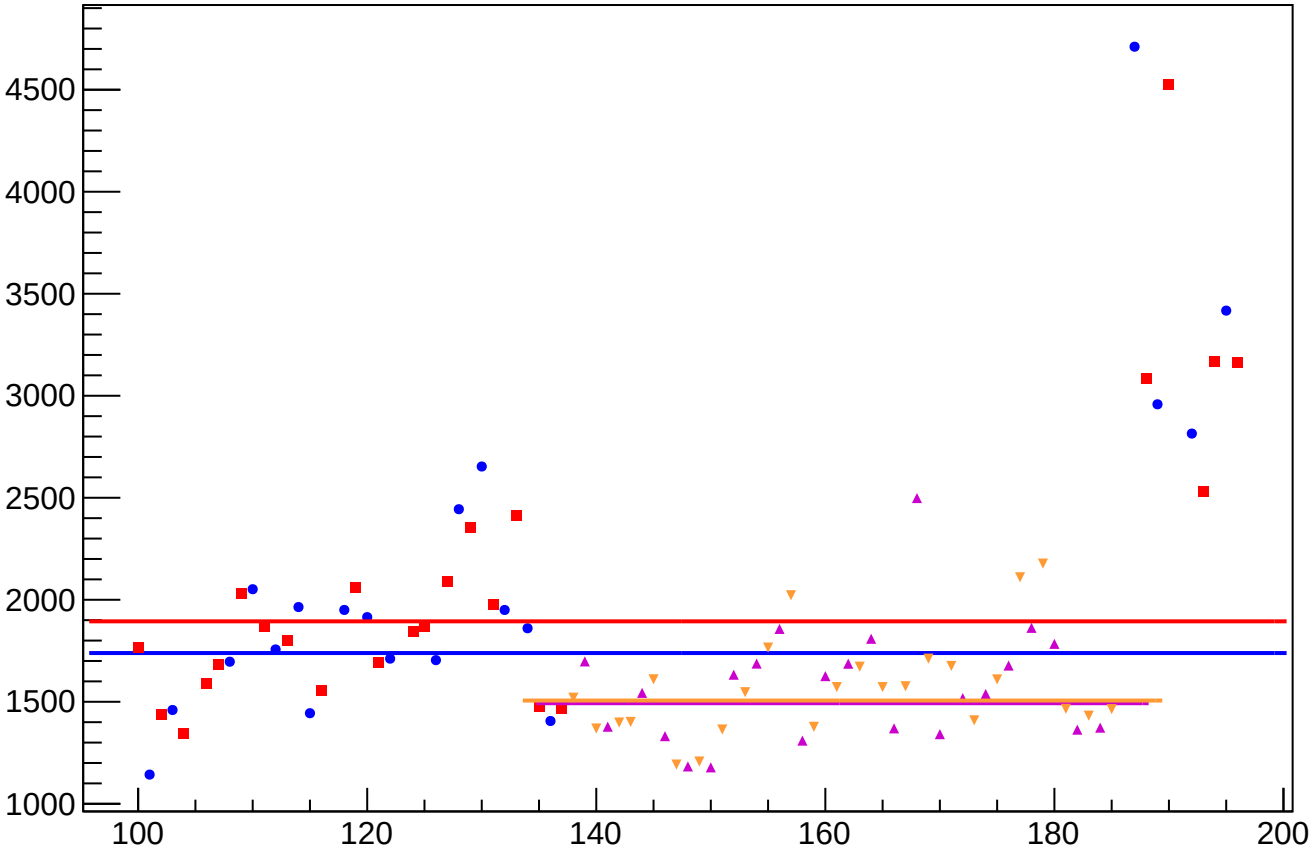
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 438.875+/-299.847 χ^2/NDF: 45.7/44

All: 388.807+/-213.520 χ^2/NDF: 80.4/91

- sign 337.299+/-304.124 χ^2/NDF: 34.6/46

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1738.888+/-0.418 χ^2/NDF: 1626449.6/19

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1894.295+/-0.418 χ^2/NDF: 1711713.8/23

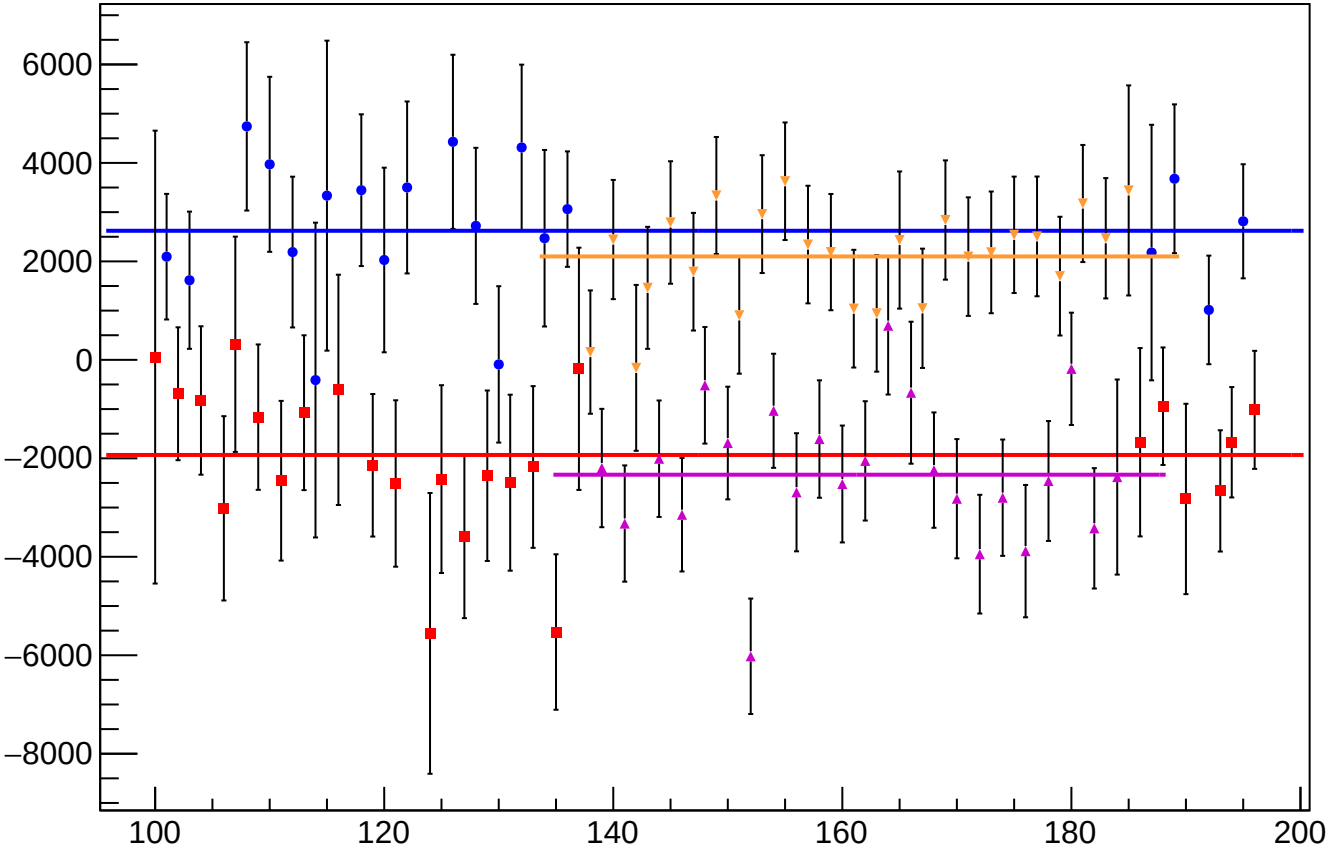
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1565.881+/-0.212 χ^2/NDF: 2652910.3/44

All: 1582.205+/-0.151 χ^2/NDF: 6017992.9/91

- sign 1598.997+/-0.215 χ^2/NDF: 3353058.0/46

eigen_cor_asym_usr_mean vs Slug



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Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

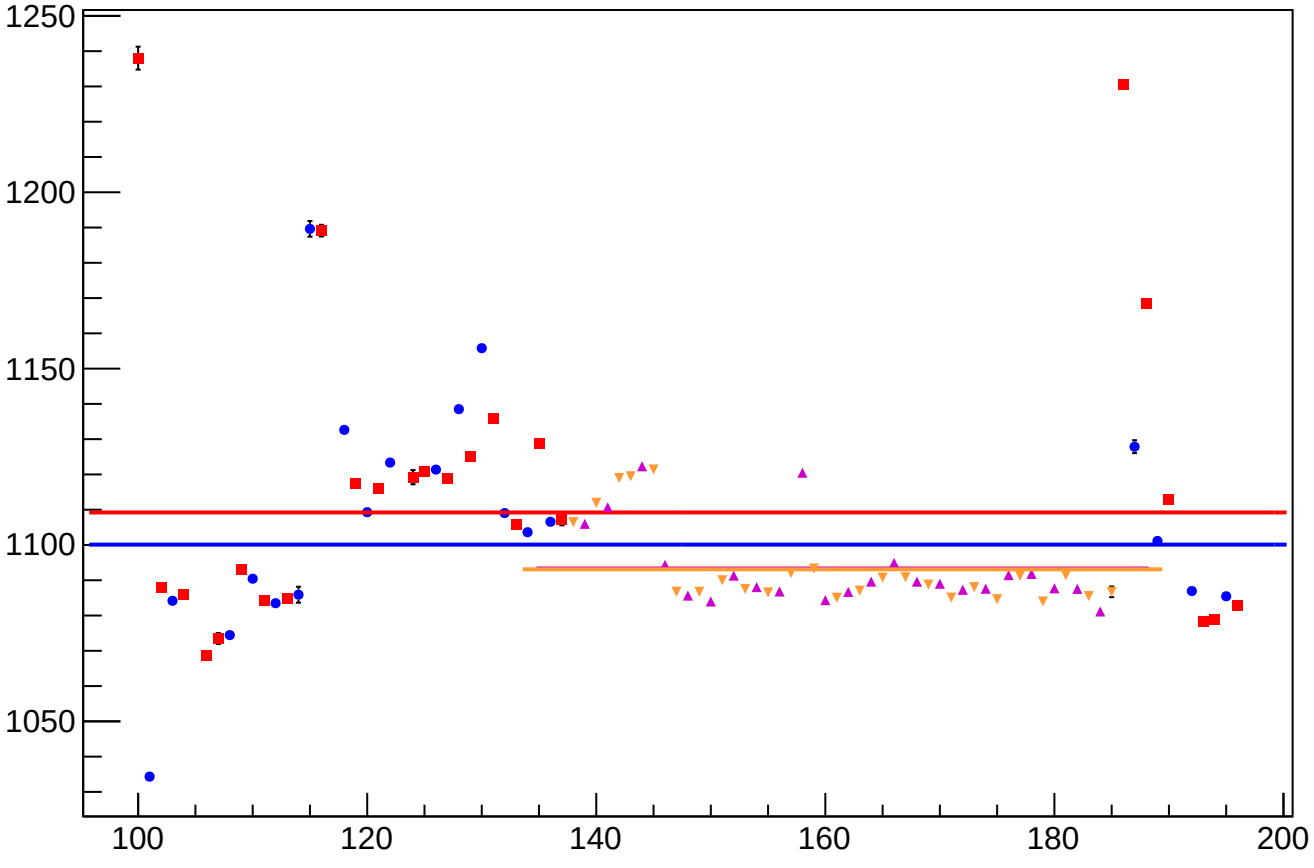
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 22.757+/-142.571 χ^2/NDF: 316.5/92

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

eigen_cor_asym_usr_rms vs Slug



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

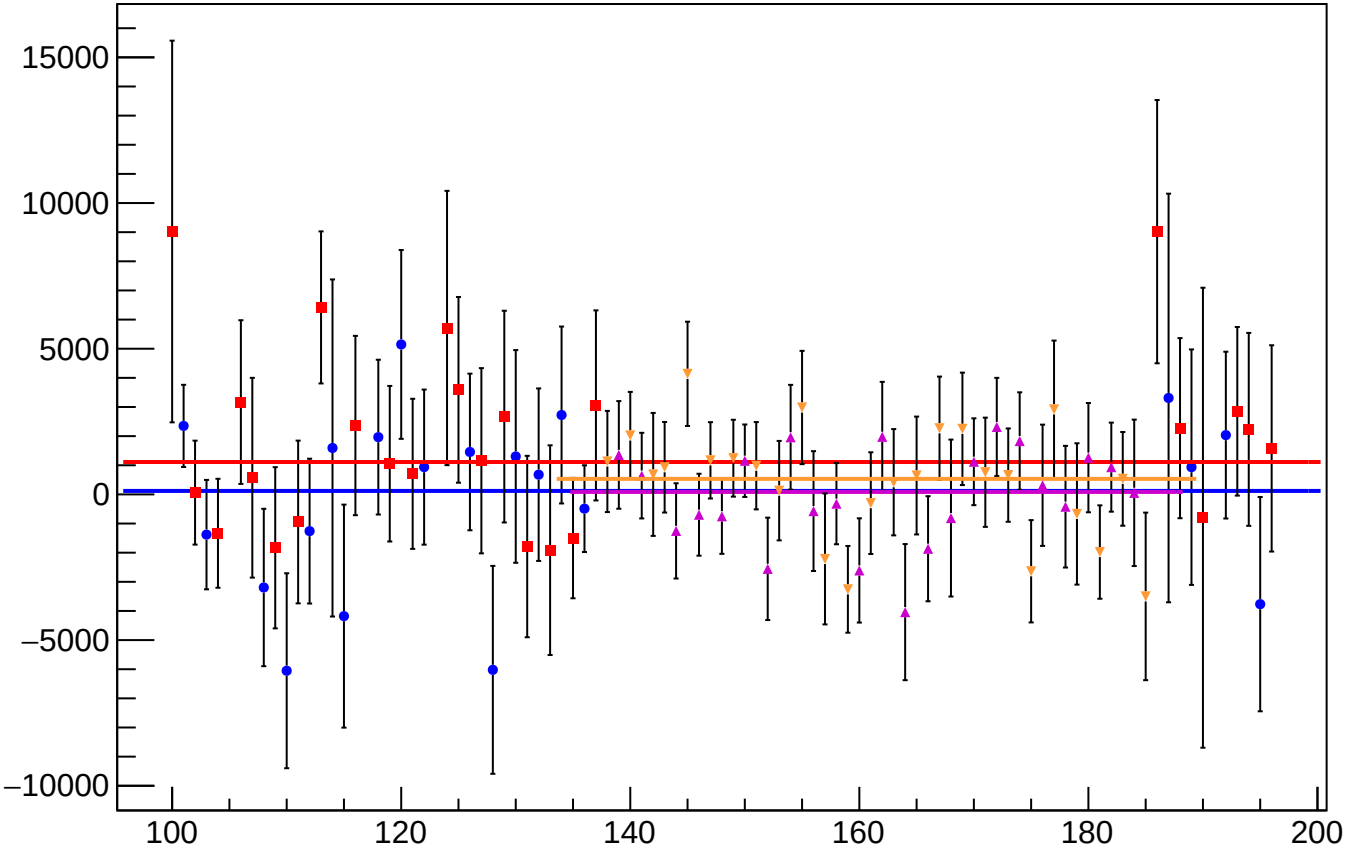
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.452+/-0.101 χ^2/NDF: 51159.0/92

- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47

asym_usr_eigen_cor_correction_mean vs Slug



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Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

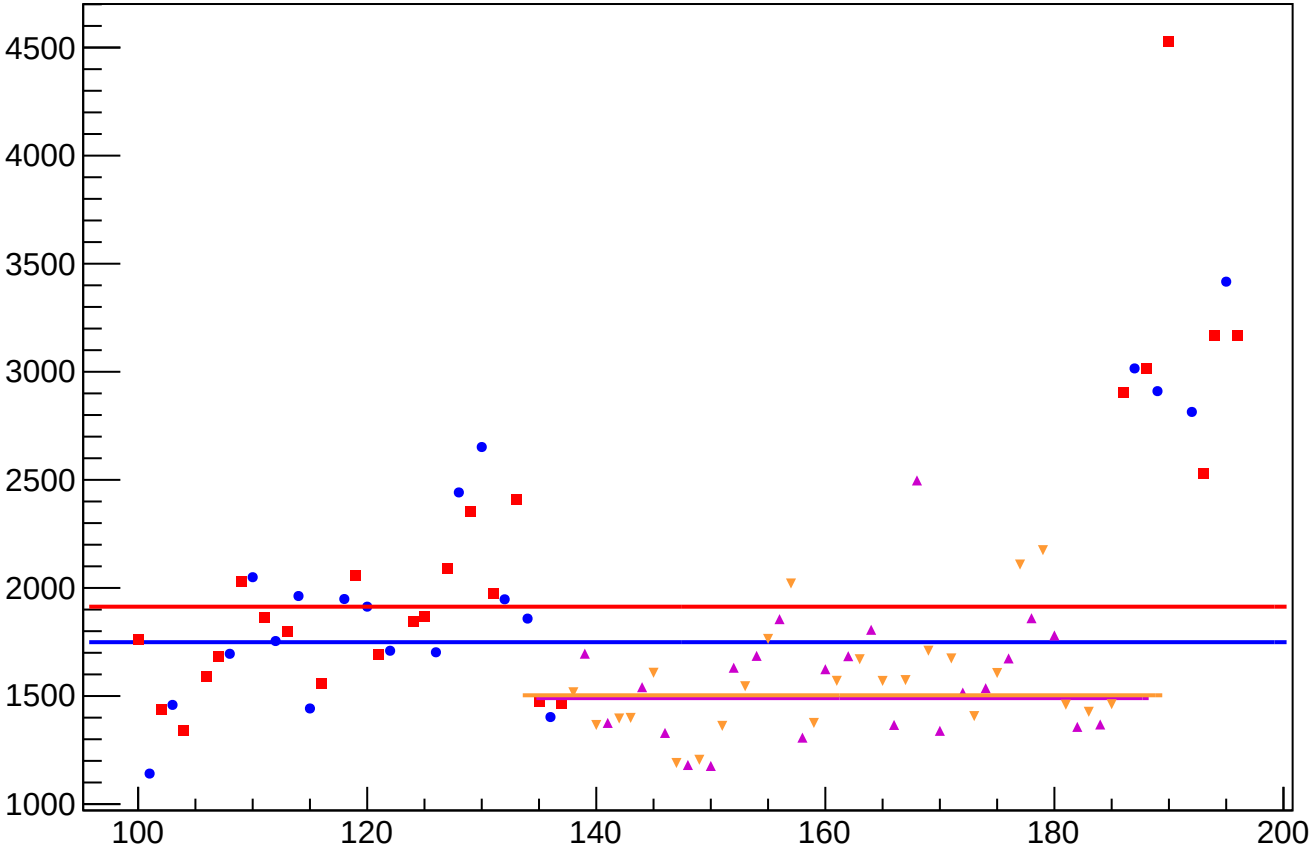
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 393.708+/-212.731 χ^2/NDF: 85.0/92

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_eigen_cor_correction_rms vs Slug



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Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

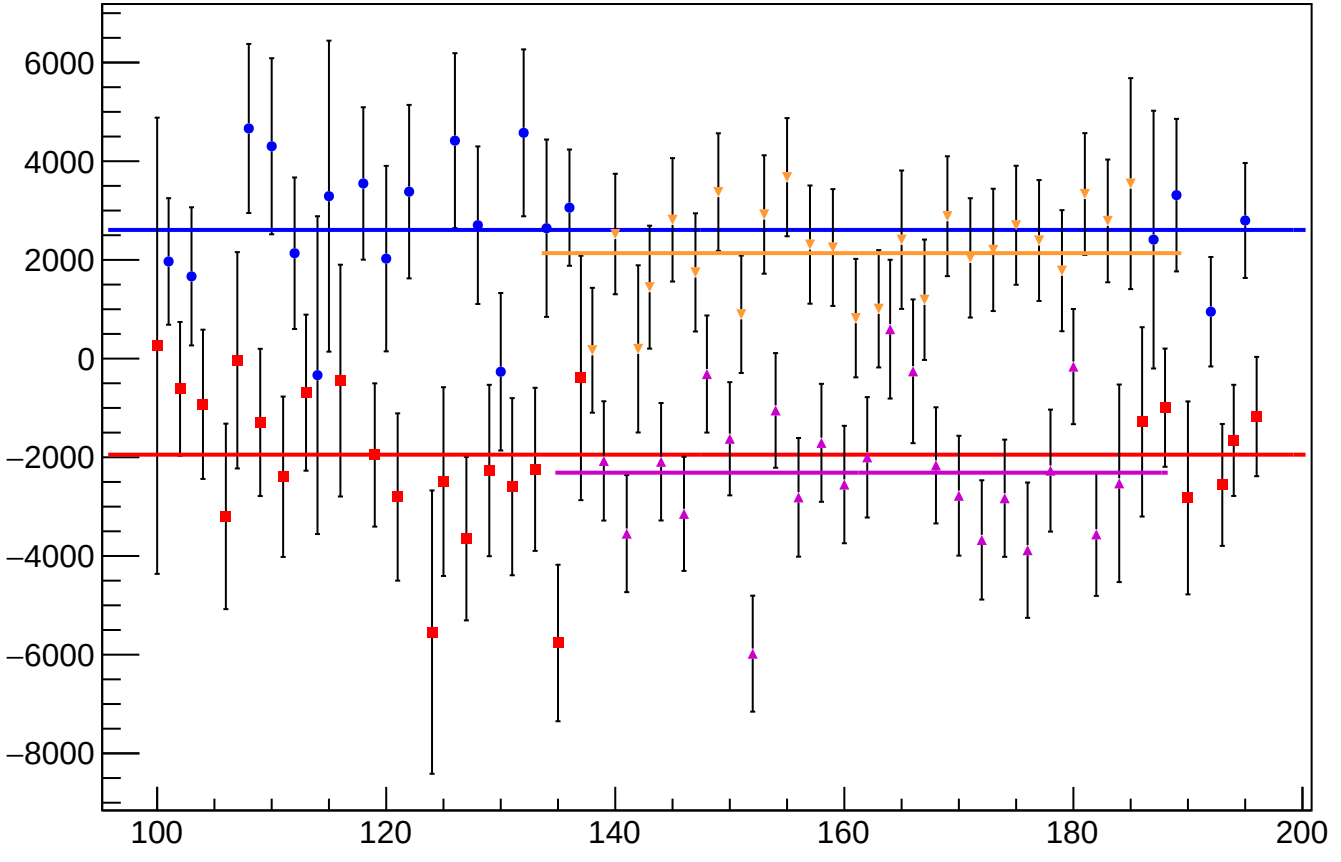
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1585.138+/-0.150 χ^2/NDF: 6339790.9/92

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47

dit_asym_usr_mean vs Slug



Right In: 2607.513+/-353.148 χ^2/NDF: 12.9/19

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1946.819+/-325.528 χ^2/NDF: 15.2/24

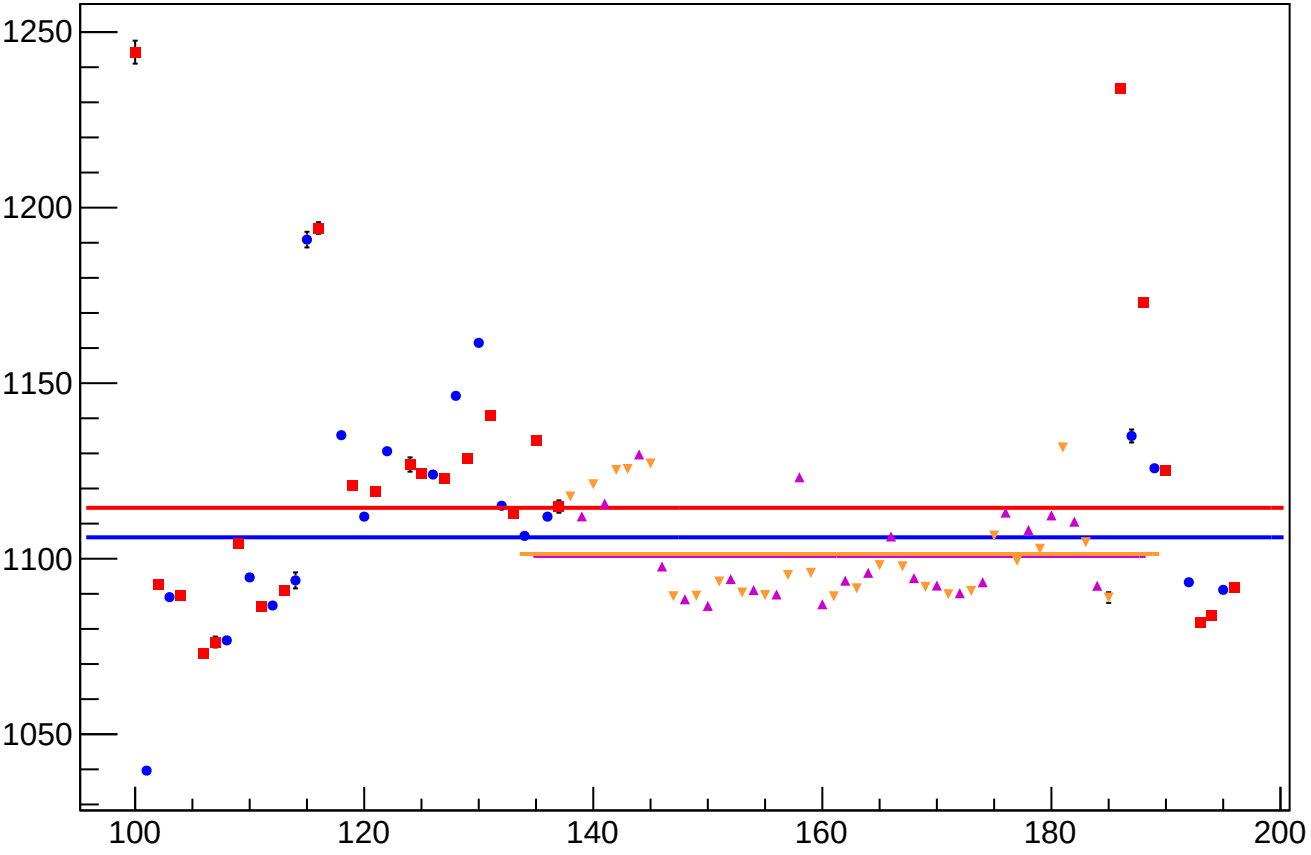
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.364+/-204.152 χ^2/NDF: 28.1/44

All: 34.740+/-143.494 χ^2/NDF: 316.1/92

- sign -2171.611+/-201.731 χ^2/NDF: 45.9/47

dit_asym_usr_rms vs Slug



Right In: 1106.096+/-0.250 χ^2/NDF: 14412.7/19

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1114.493+/-0.230 χ^2/NDF: 24902.0/24

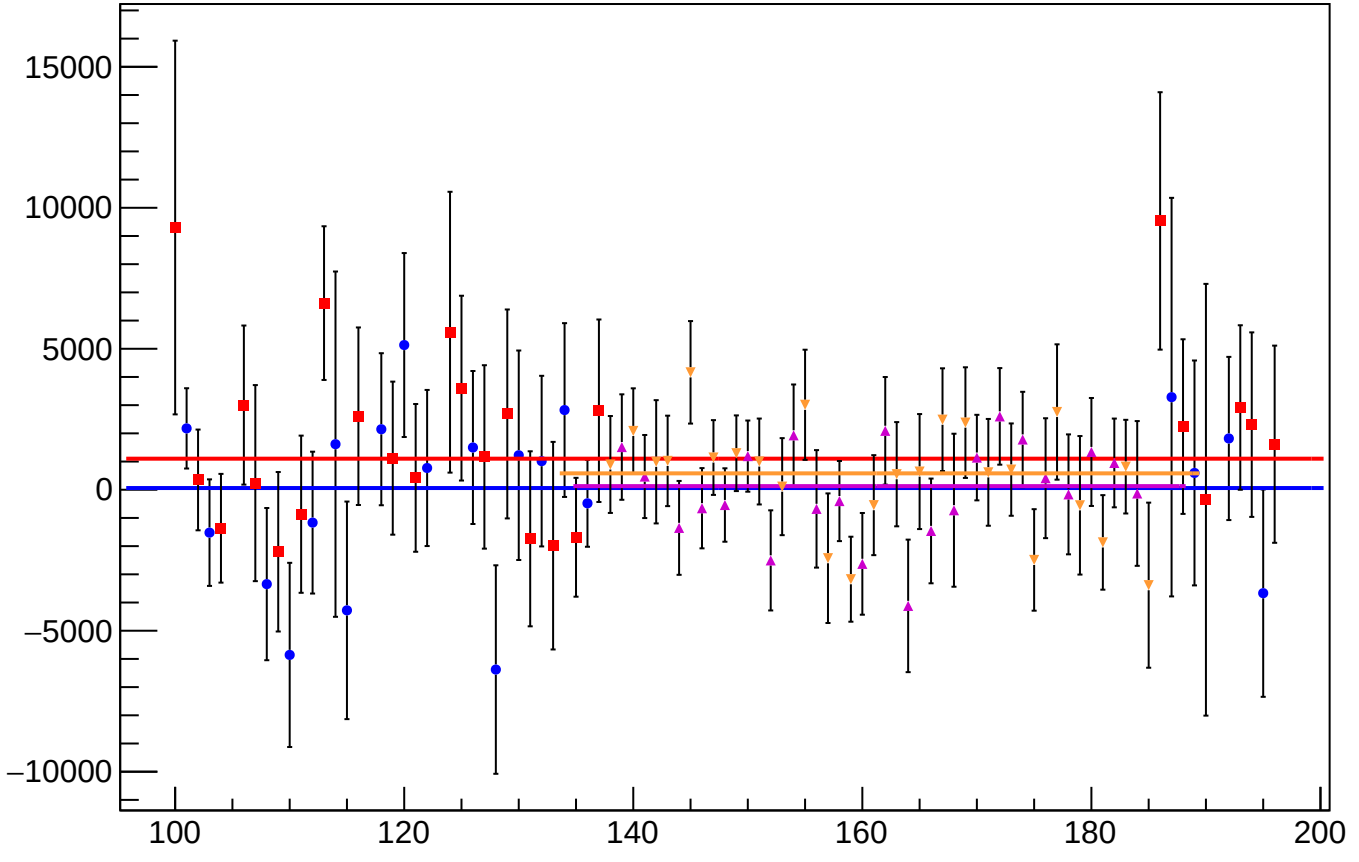
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.938+/-0.144 χ^2/NDF: 20603.4/44

All: 1104.515+/-0.101 χ^2/NDF: 52565.1/92

- sign 1106.054+/-0.143 χ^2/NDF: 31726.0/47

asym_usr_dit_correction_mean vs Slug



Right In: 60.590+/-596.404 χ^2/NDF: 18.5/19

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1101.832+/-592.866 χ^2/NDF: 19.4/24

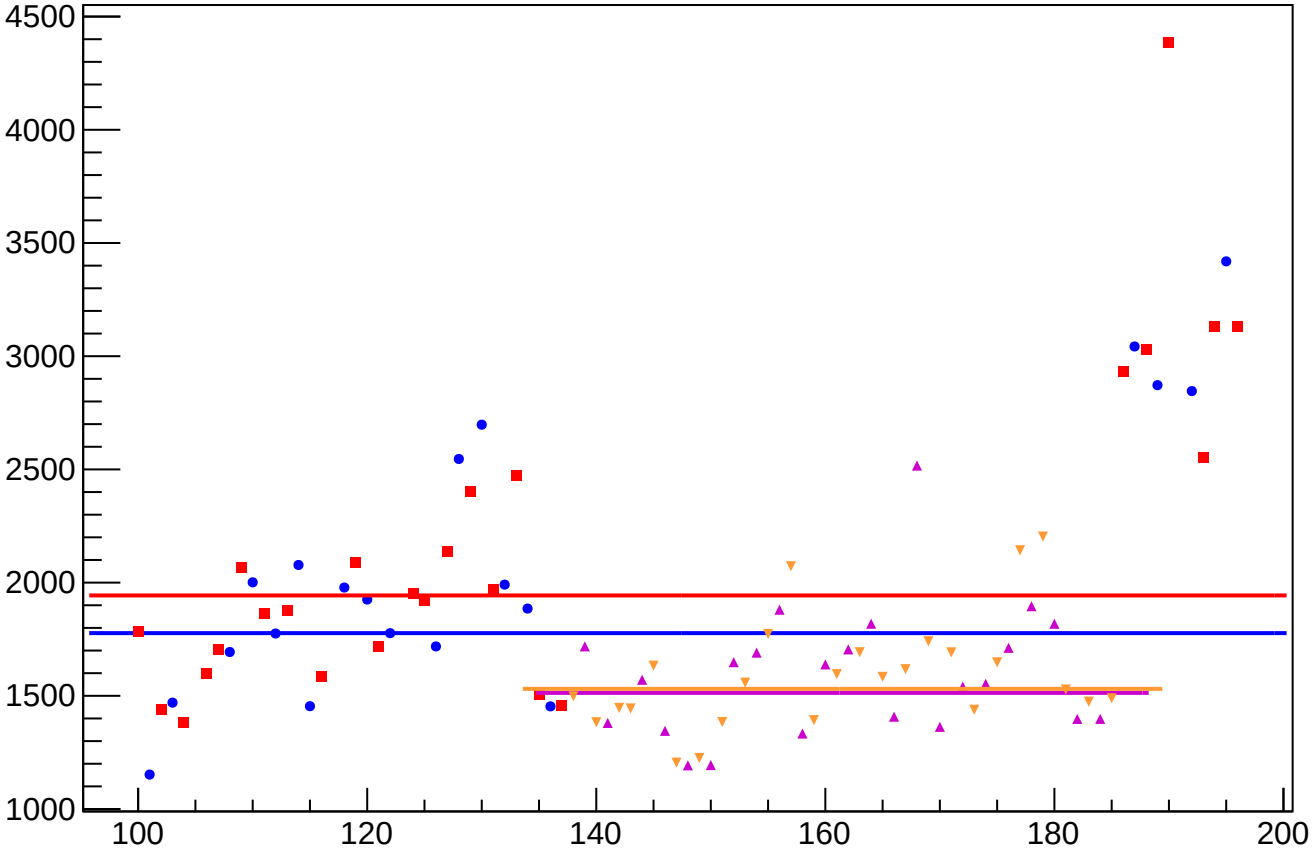
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 446.083+/-304.025 χ^2/NDF: 44.4/44

All: 418.317+/-216.081 χ^2/NDF: 83.7/92

- sign 389.973+/-307.168 χ^2/NDF: 39.2/47

asym_usr_dit_correction_rms vs Slug



Right In: 1776.954+/-0.422 χ^2/NDF: 1681021.1/19

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1943.362+/-0.419 χ^2/NDF: 1756761.6/24

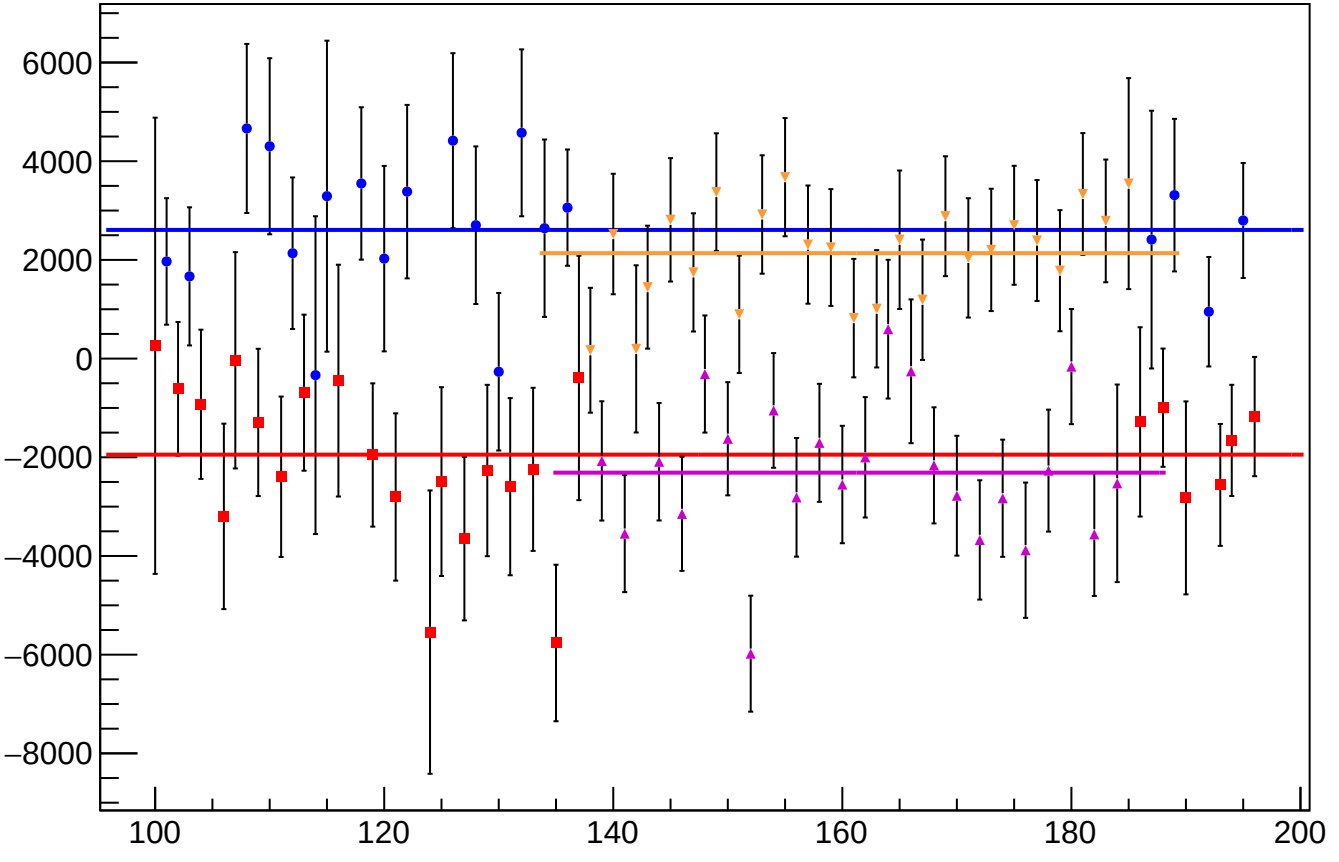
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1594.739+/-0.215 χ^2/NDF: 2728888.8/44

All: 1611.439+/-0.153 χ^2/NDF: 6226064.3/92

- sign 1628.485+/-0.217 χ^2/NDF: 3484981.5/47

eigen_dit_asym_usr_mean vs Slug



Right In: 2607.511+/-353.148 χ^2/NDF: 12.9/19

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1946.818+/-325.528 χ^2/NDF: 15.2/24

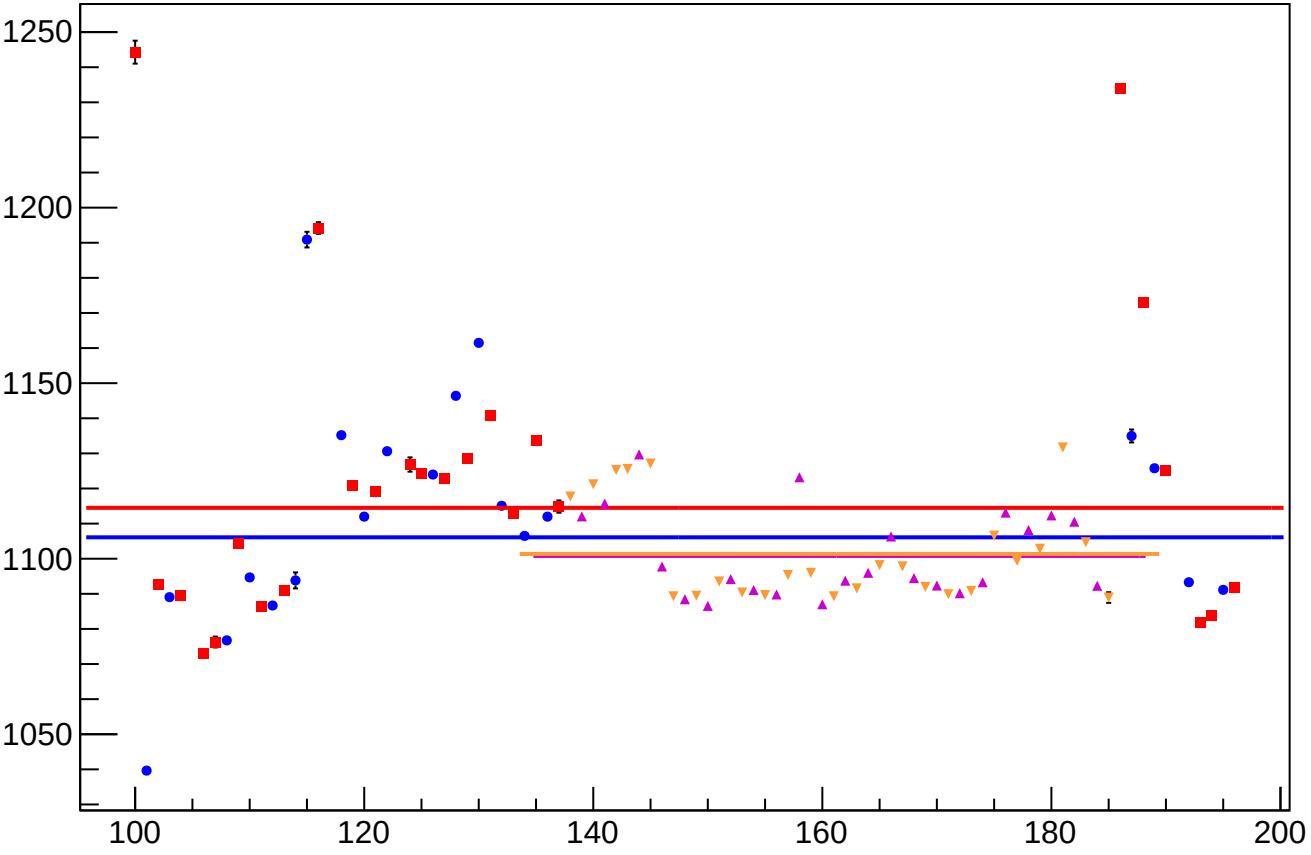
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.362+/-204.152 χ^2/NDF: 28.1/44

All: 34.739+/-143.494 χ^2/NDF: 316.1/92

- sign -2171.611+/-201.731 χ^2/NDF: 45.9/47

eigen_dit_asym_usr_rms vs Slug



Right In: 1106.095+/-0.250 χ^2/NDF: 14412.6/19

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

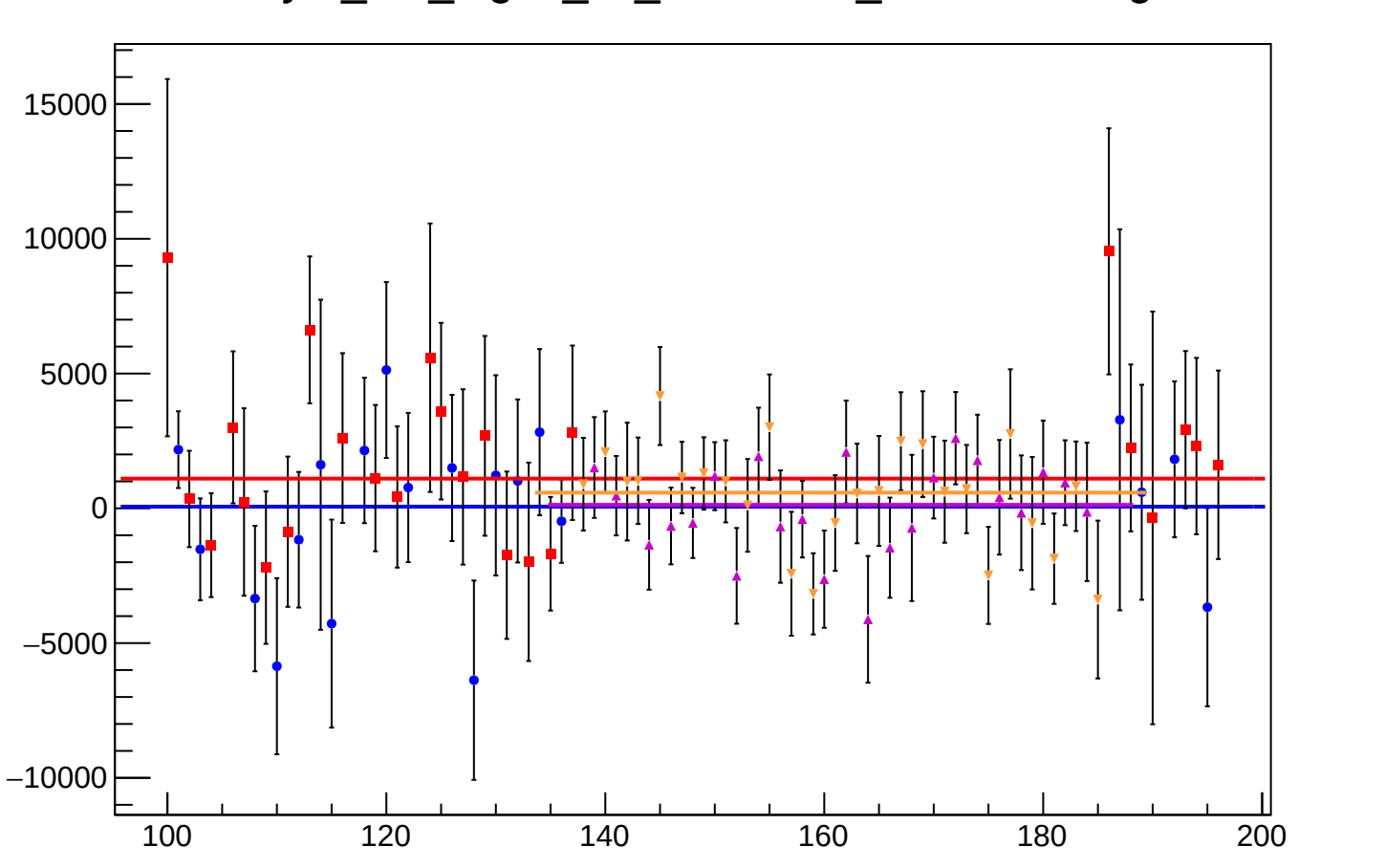
Right Out: 1114.493+/-0.230 χ^2/NDF: 24902.0/24

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

+ sign 1102.938+/-0.144 χ^2/NDF: 20603.3/44

All: 1104.515+/-0.101 χ^2/NDF: 52564.9/92

- sign 1106.054+/-0.143 χ^2/NDF: 31725.9/47



Right In: 60.587+/-596.404 χ^2/NDF: 18.5/19

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1101.834+/-592.866 χ^2/NDF: 19.4/24

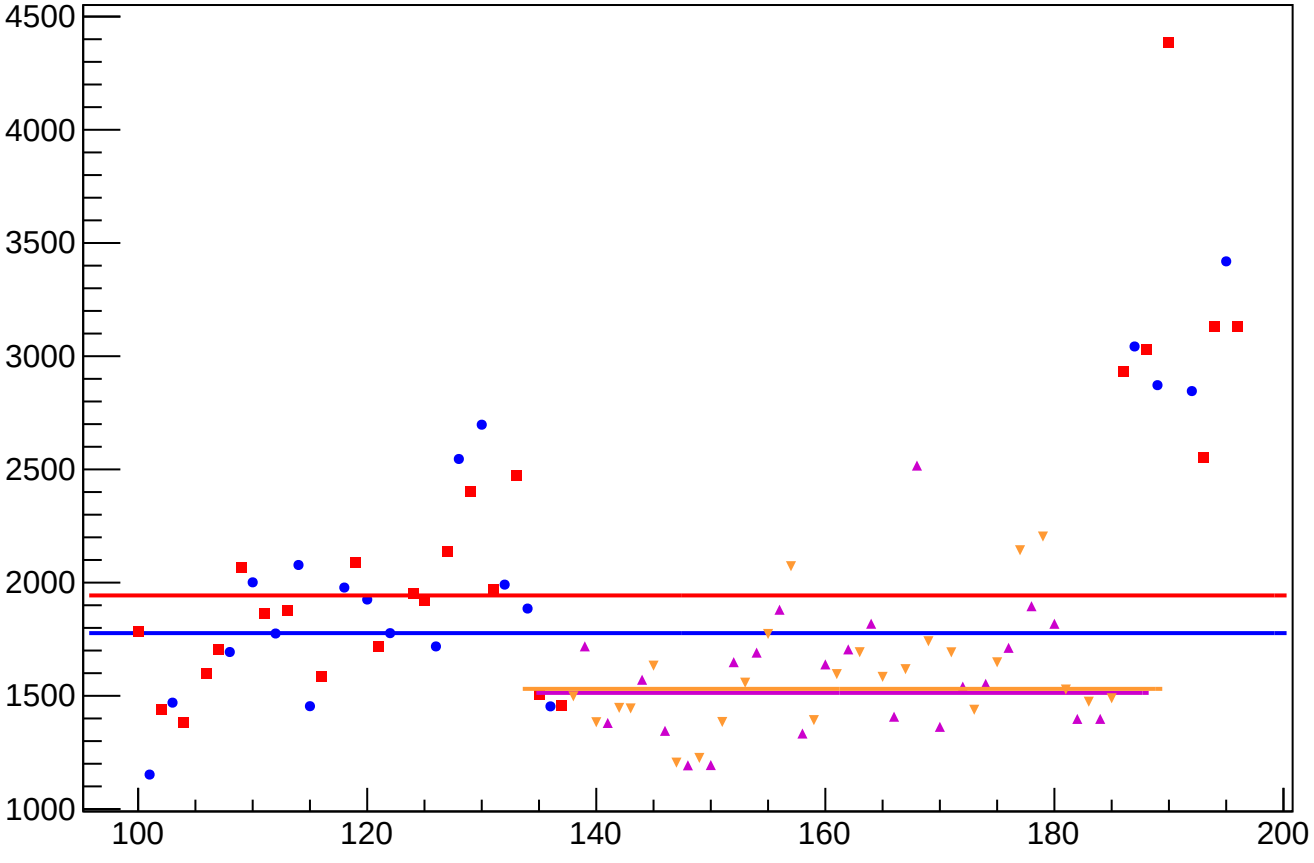
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 446.080+/-304.026 χ^2/NDF: 44.4/44

All: 418.316+/-216.081 χ^2/NDF: 83.7/92

- sign 389.975+/-307.169 χ^2/NDF: 39.2/47

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1776.952+/-0.422 χ^2/NDF: 1681009.4/19

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

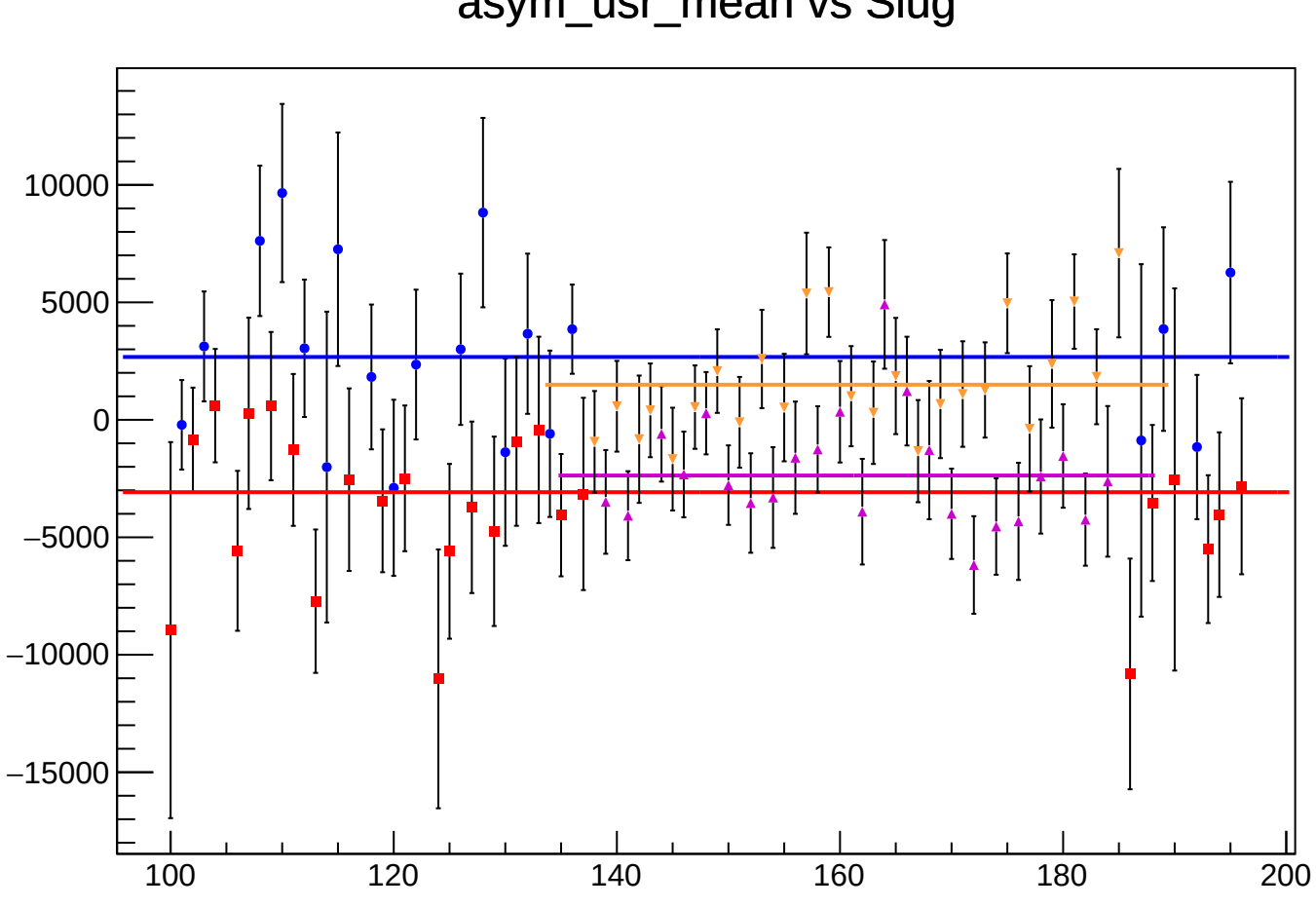
Right Out: 1943.360+/-0.419 χ^2/NDF: 1756747.7/24

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

+ sign 1594.742+/-0.215 χ^2/NDF: 2728868.5/44

All: 1611.441+/-0.153 χ^2/NDF: 6226016.7/92

- sign 1628.488+/-0.217 χ^2/NDF: 3484954.0/47



Right In: 2674.963+/-709.125 χ^2/NDF: 19.2/19

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3079.263+/-689.008 χ^2/NDF: 16.0/24

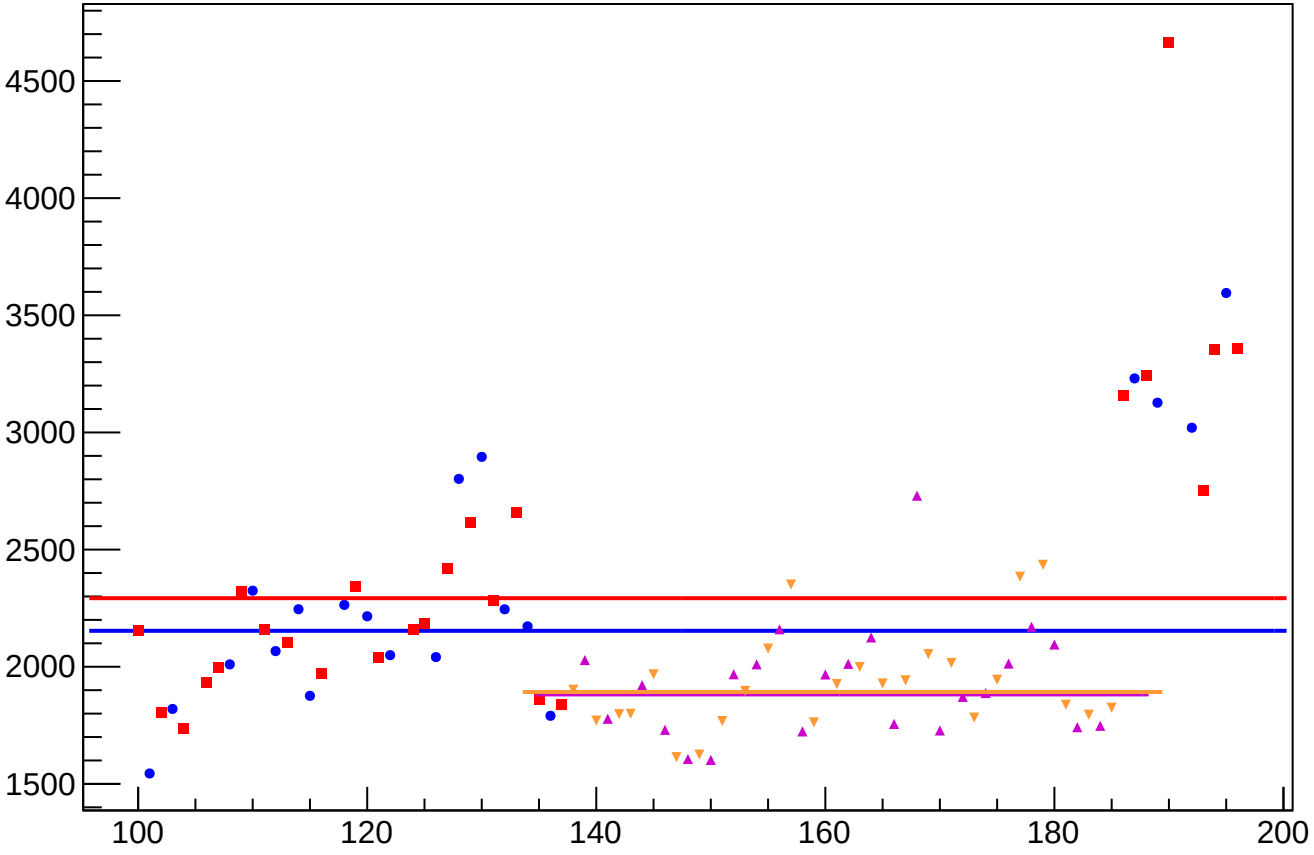
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1815.689+/-369.675 χ^2/NDF: 45.0/44

All: -363.810+/-262.427 χ^2/NDF: 155.4/92

- sign -2577.905+/-372.597 χ^2/NDF: 40.4/47

asym_usr_rms vs Slug



Right In: 2153.379+/-0.501 χ^2/NDF: 1044755.0/19

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

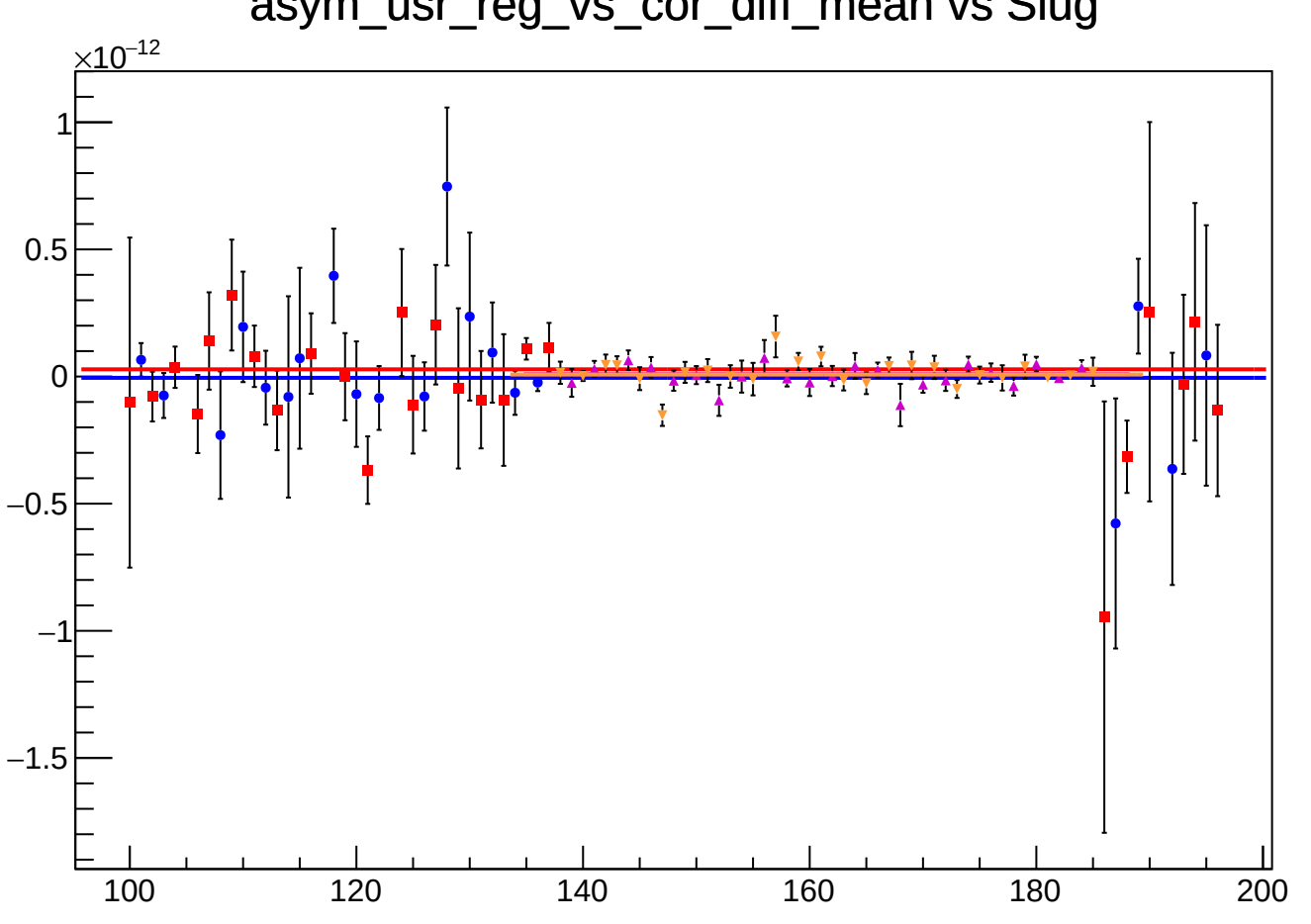
Right Out: 2292.652+/-0.487 χ^2/NDF: 1173079.9/24

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

+ sign 1963.119+/-0.261 χ^2/NDF: 1632104.0/44

All: 1982.413+/-0.186 χ^2/NDF: 3781774.7/92

- sign 2002.013+/-0.263 χ^2/NDF: 2138688.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

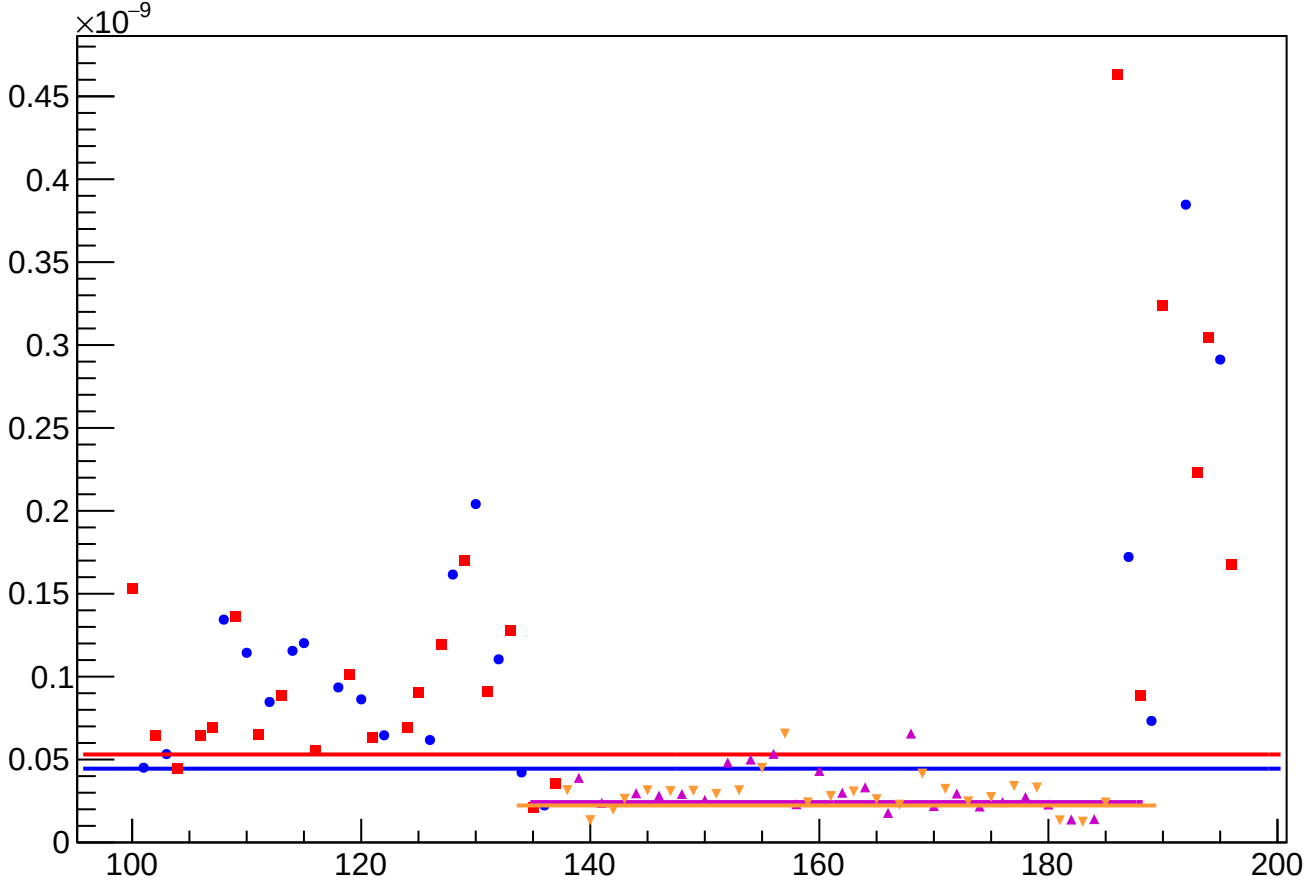
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/44

All: 0.000+/-0.000 χ^2/NDF: 102.8/92

- sign 0.000+/-0.000 χ^2/NDF: 49.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 4709038.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4797752.8/24

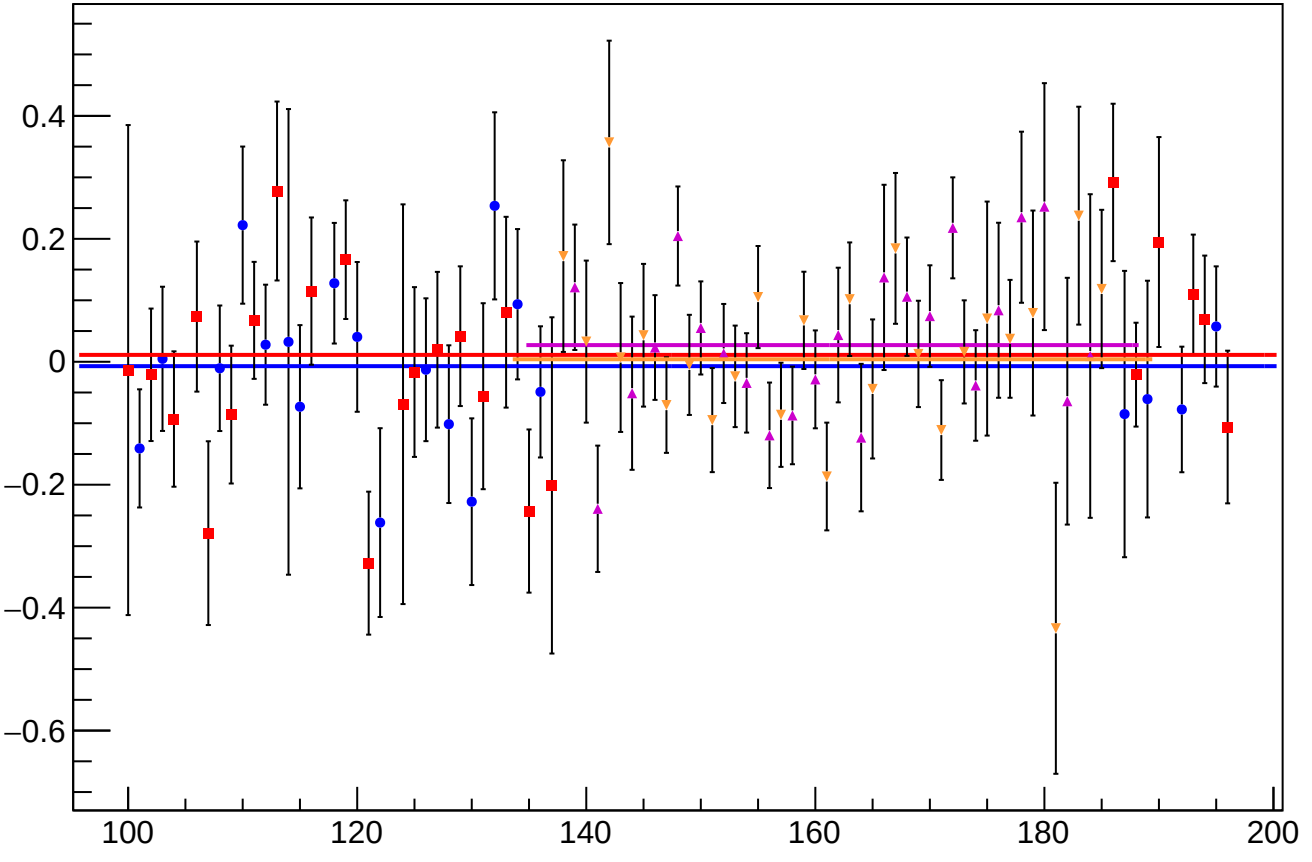
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9918786.3/44

All: 0.000+/-0.000 χ^2/NDF: 20176705.4/92

- sign 0.000+/-0.000 χ^2/NDF: 10126285.1/47

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

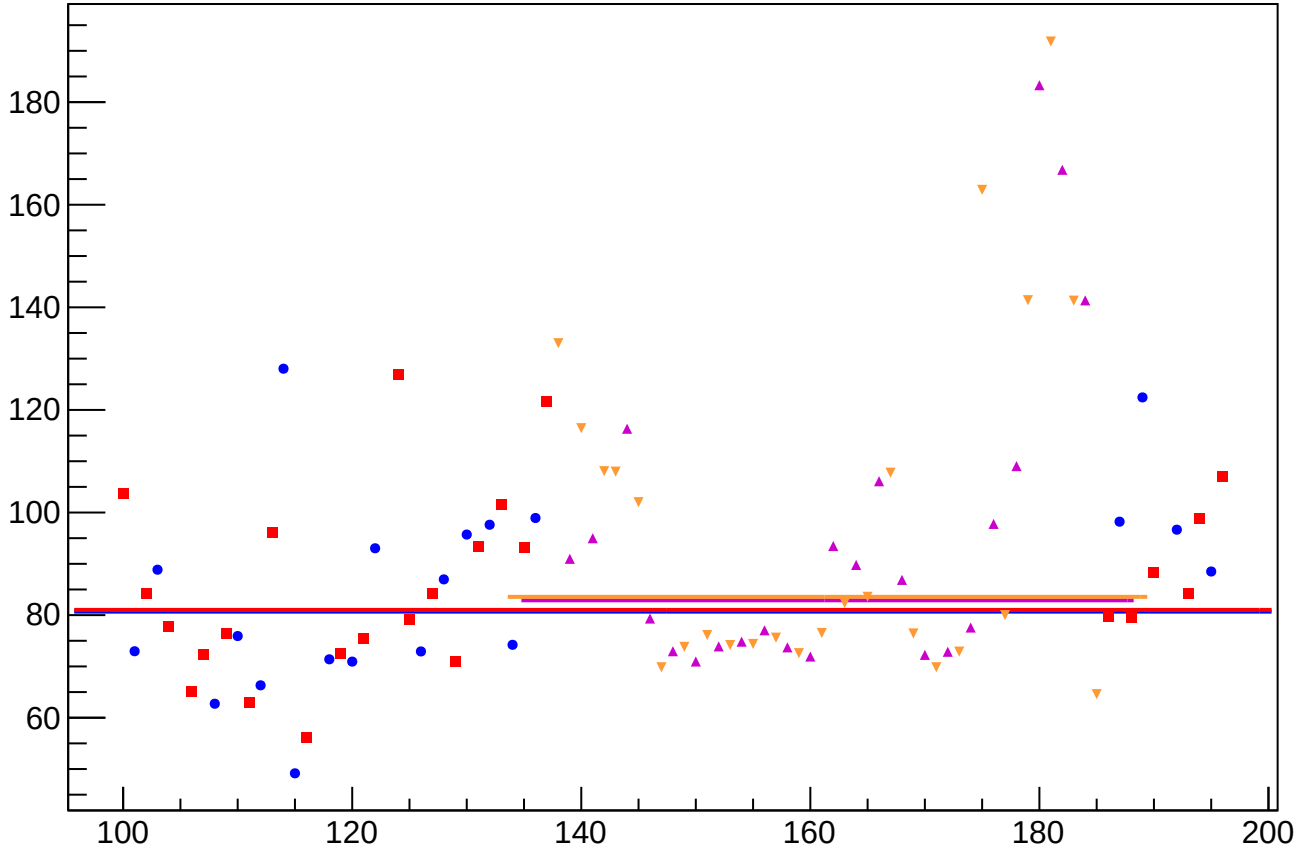
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.011+/-0.011 χ^2/NDF: 114.2/92

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 80.687+/-0.019 χ^2/NDF: 612345.8/19

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 81.019+/-0.018 χ^2/NDF: 572525.2/24

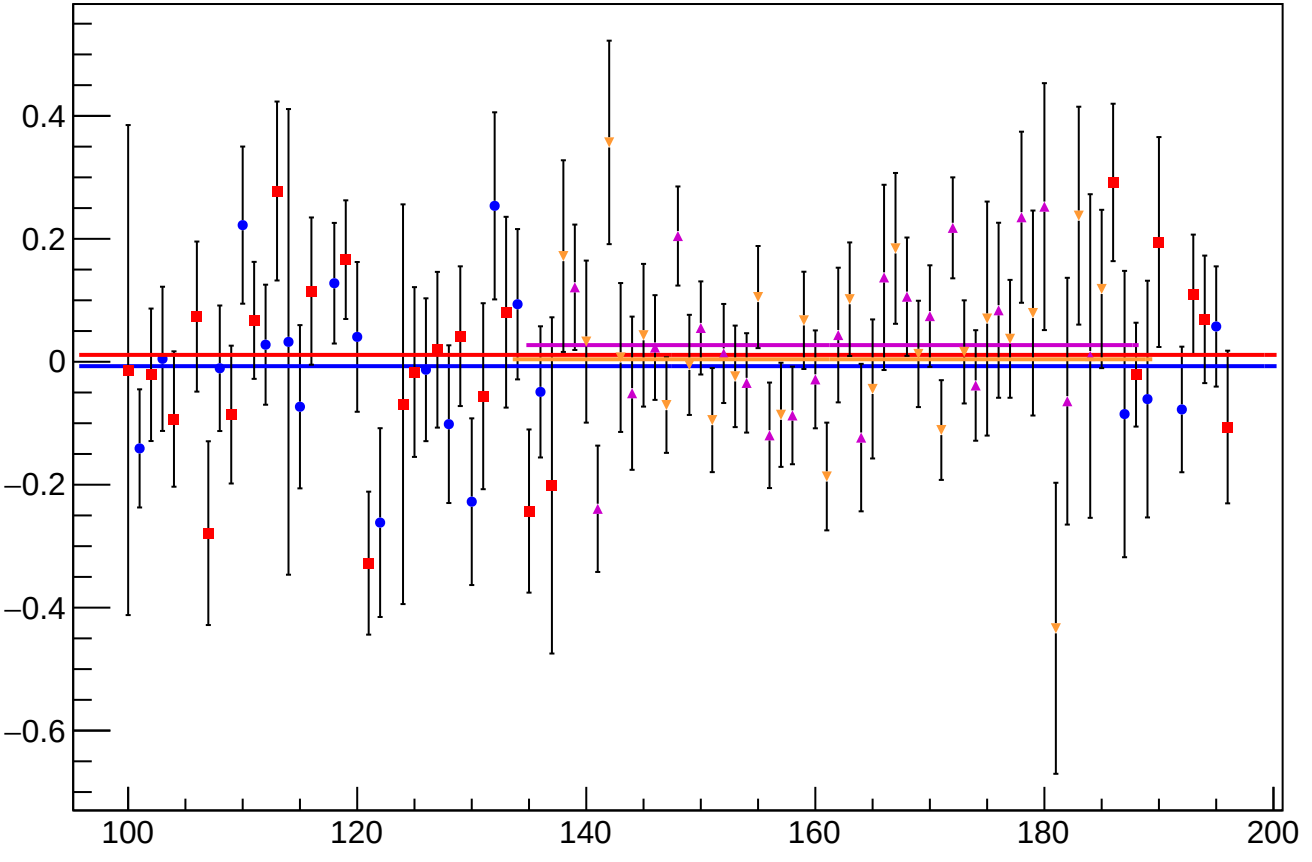
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799656.4/44

All: 82.325+/-0.008 χ^2/NDF: 4952595.8/92

- sign 82.127+/-0.011 χ^2/NDF: 2152295.7/47

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

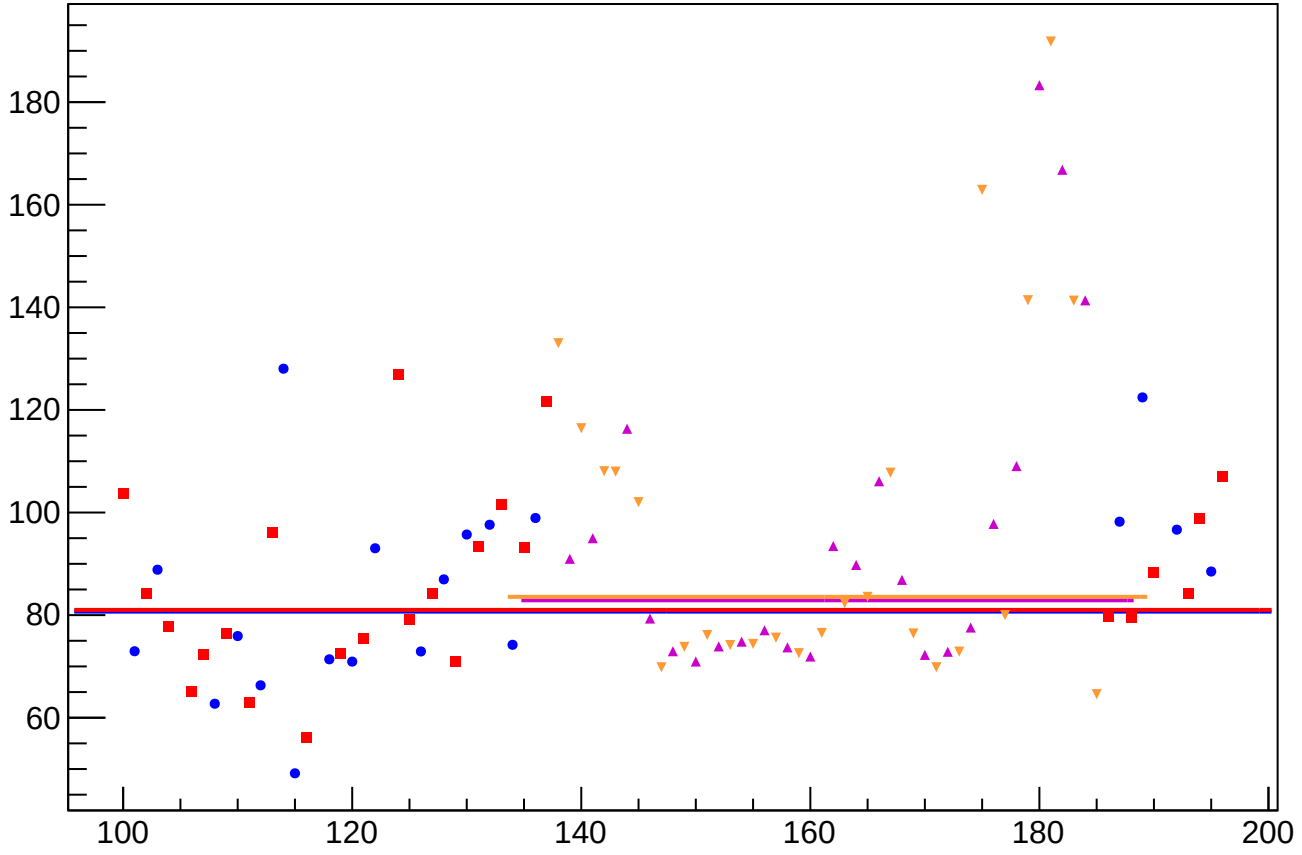
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.011+/-0.011 χ^2/NDF: 114.2/92

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 80.687+/-0.019 χ^2/NDF: 612345.8/19

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 81.019+/-0.018 χ^2/NDF: 572525.2/24

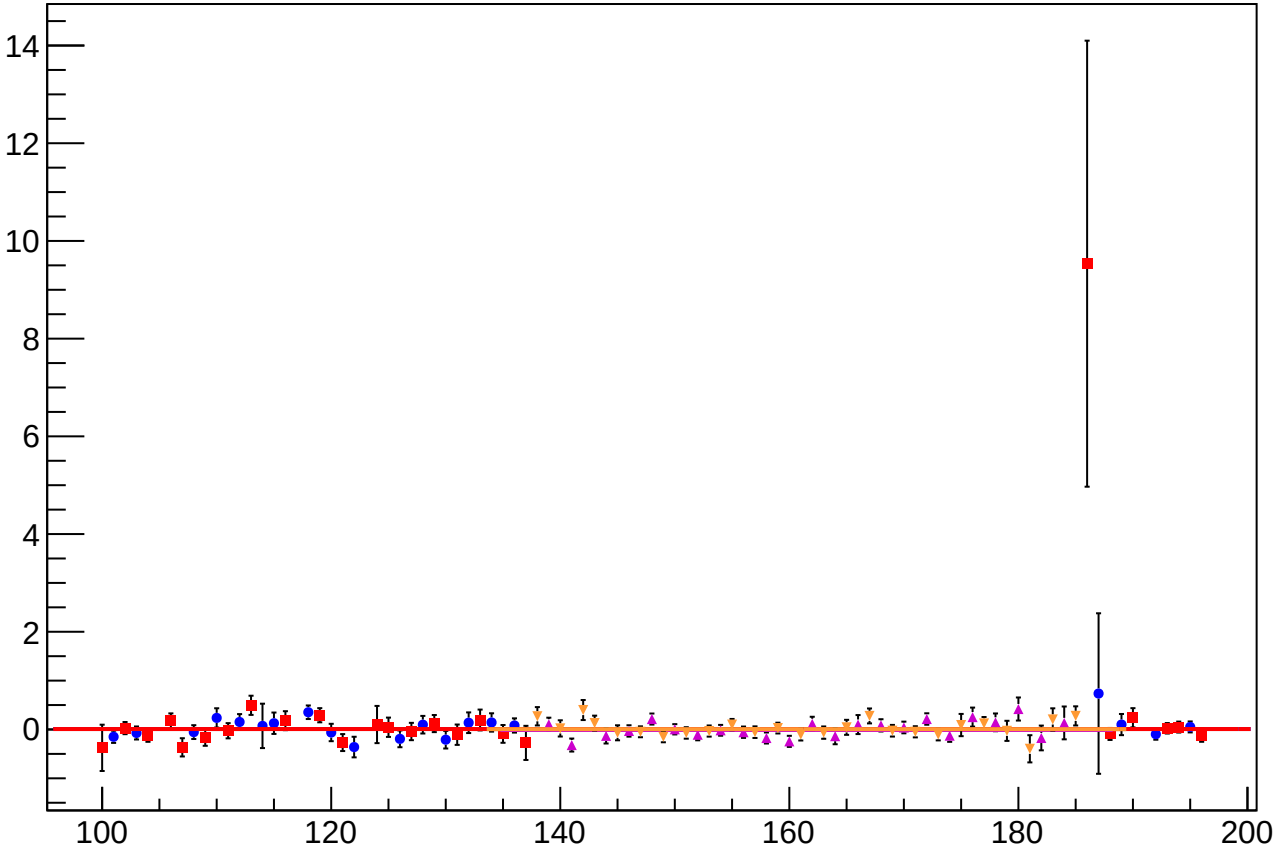
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799656.4/44

All: 82.325+/-0.008 χ^2/NDF: 4952595.8/92

- sign 82.127+/-0.011 χ^2/NDF: 2152295.7/47

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.009+/-0.037 χ^2/NDF: 19.6/19

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.009+/-0.033 χ^2/NDF: 31.1/24

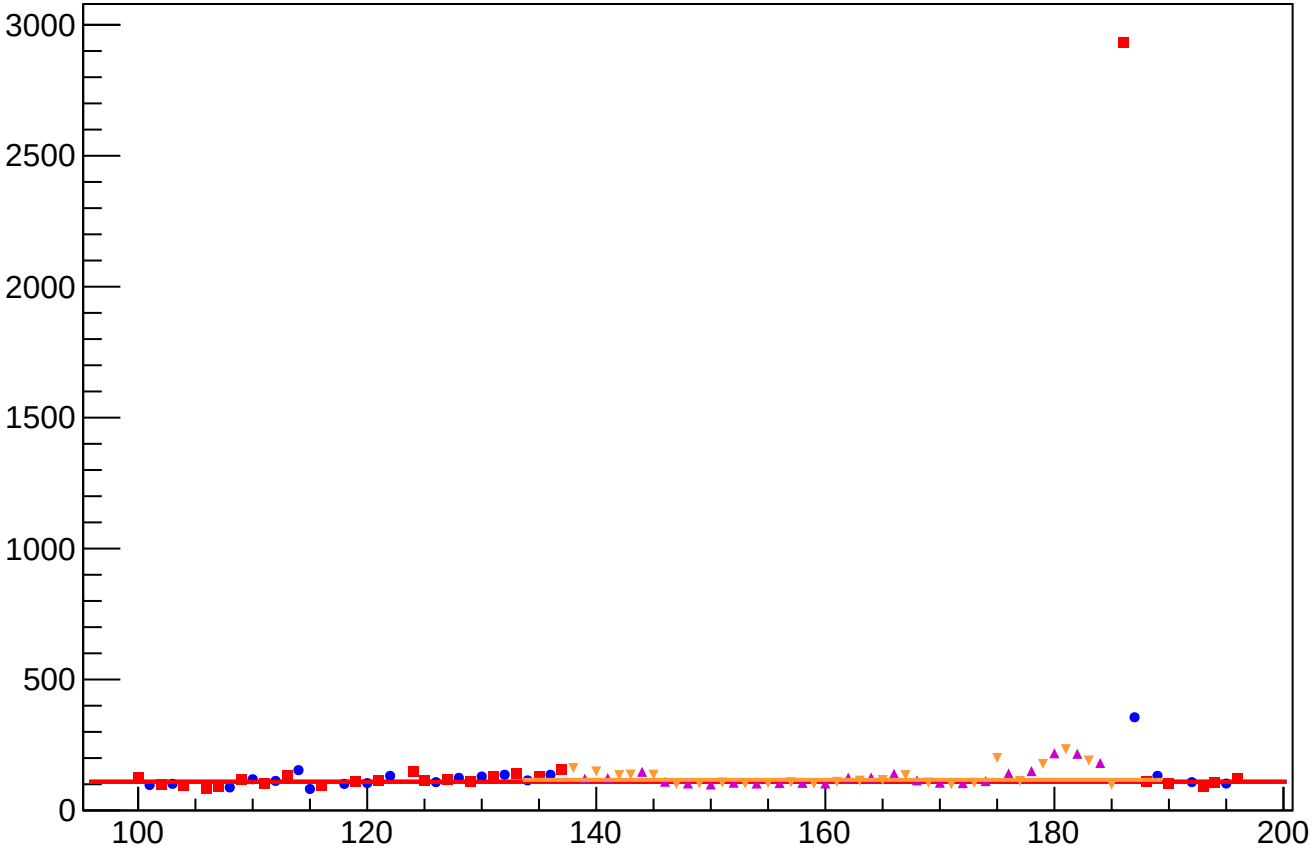
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.007+/-0.022 χ^2/NDF: 40.9/44

All: 0.002+/-0.015 χ^2/NDF: 103.6/92

- sign -0.002+/-0.022 χ^2/NDF: 62.6/47

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.311+/-0.026 χ^2/NDF: 375242.4/19

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

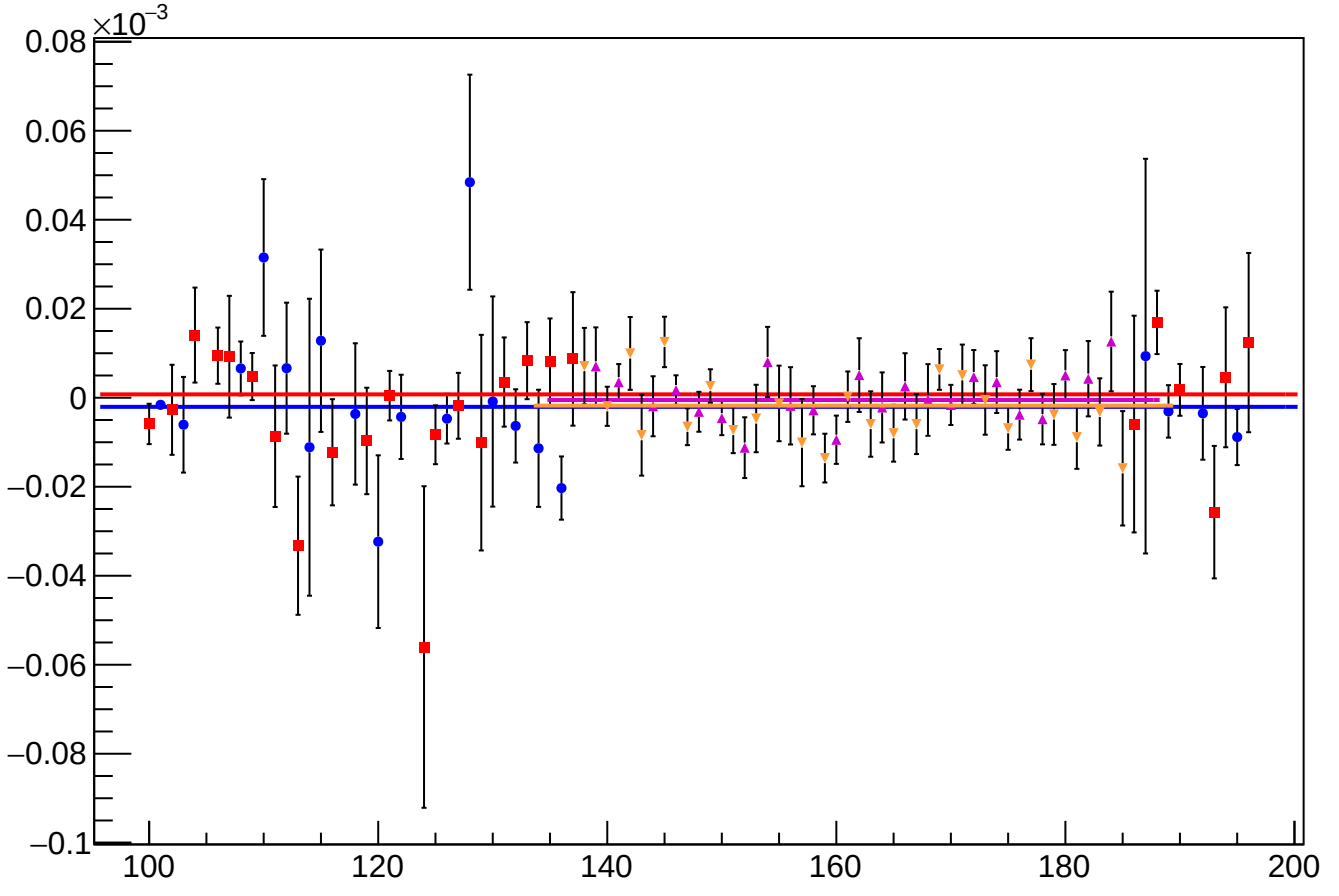
Right Out: 108.956+/-0.024 χ^2/NDF: 1153914.8/24

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

+ sign 114.497+/-0.016 χ^2/NDF: 2012801.2/44

All: 113.721+/-0.011 χ^2/NDF: 4452773.8/92

- sign 112.989+/-0.015 χ^2/NDF: 2435213.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/24

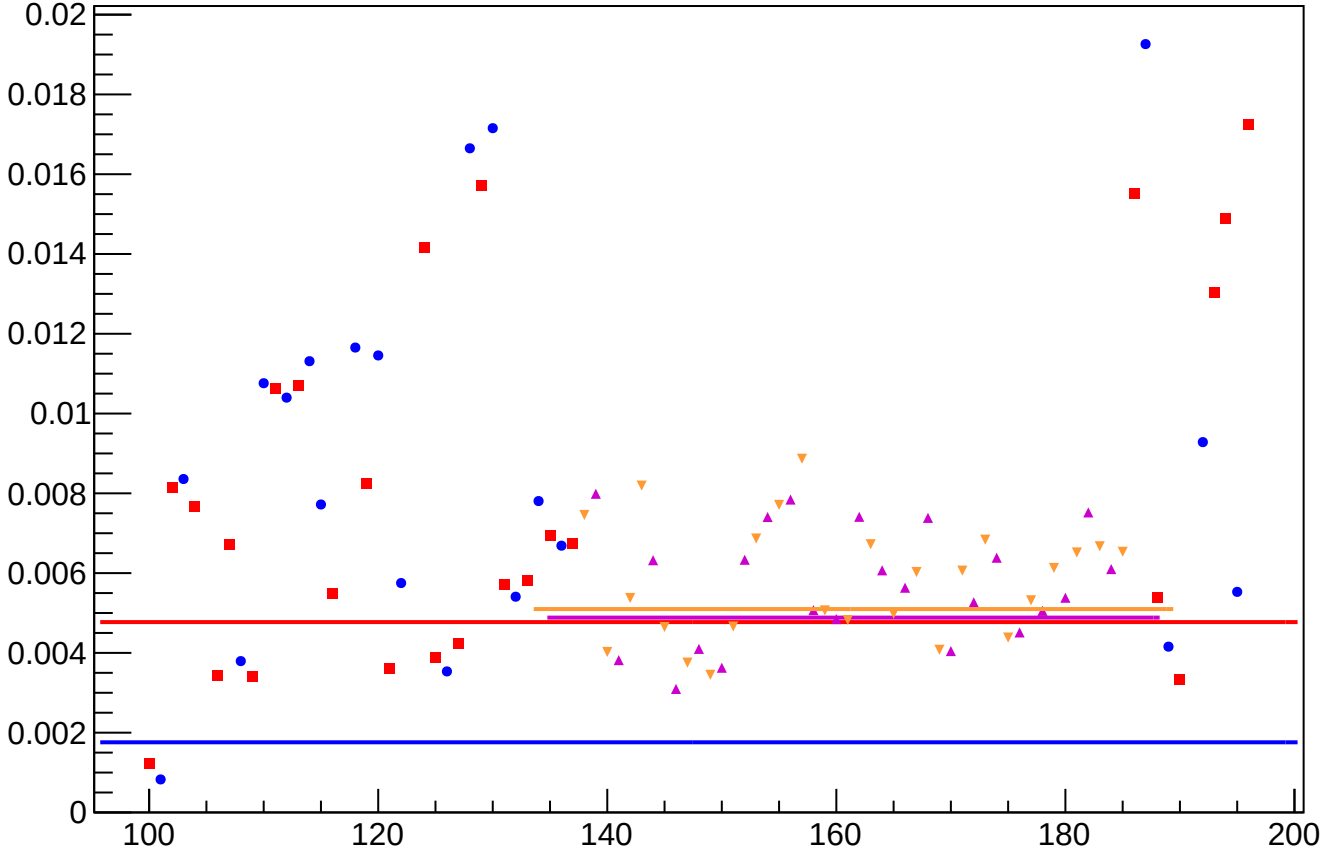
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/44

All: -0.000+/-0.000 χ^2/NDF: 100.9/92

- 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: 11733864.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6192872.6/24

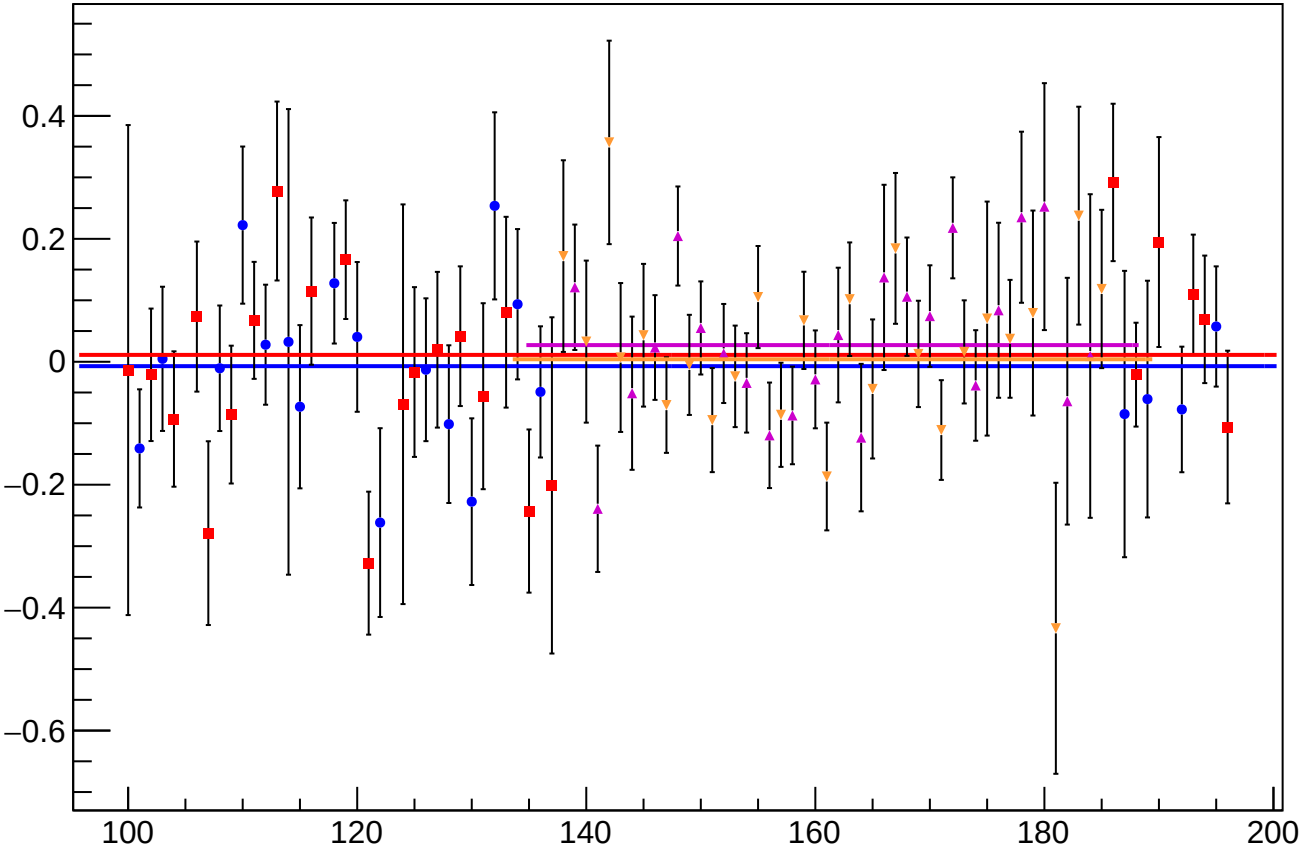
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 23564246.1/44

All: 0.004+/-0.000 χ^2/NDF: 36867472.6/92

- sign 0.005+/-0.000 χ^2/NDF: 8924022.4/47

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

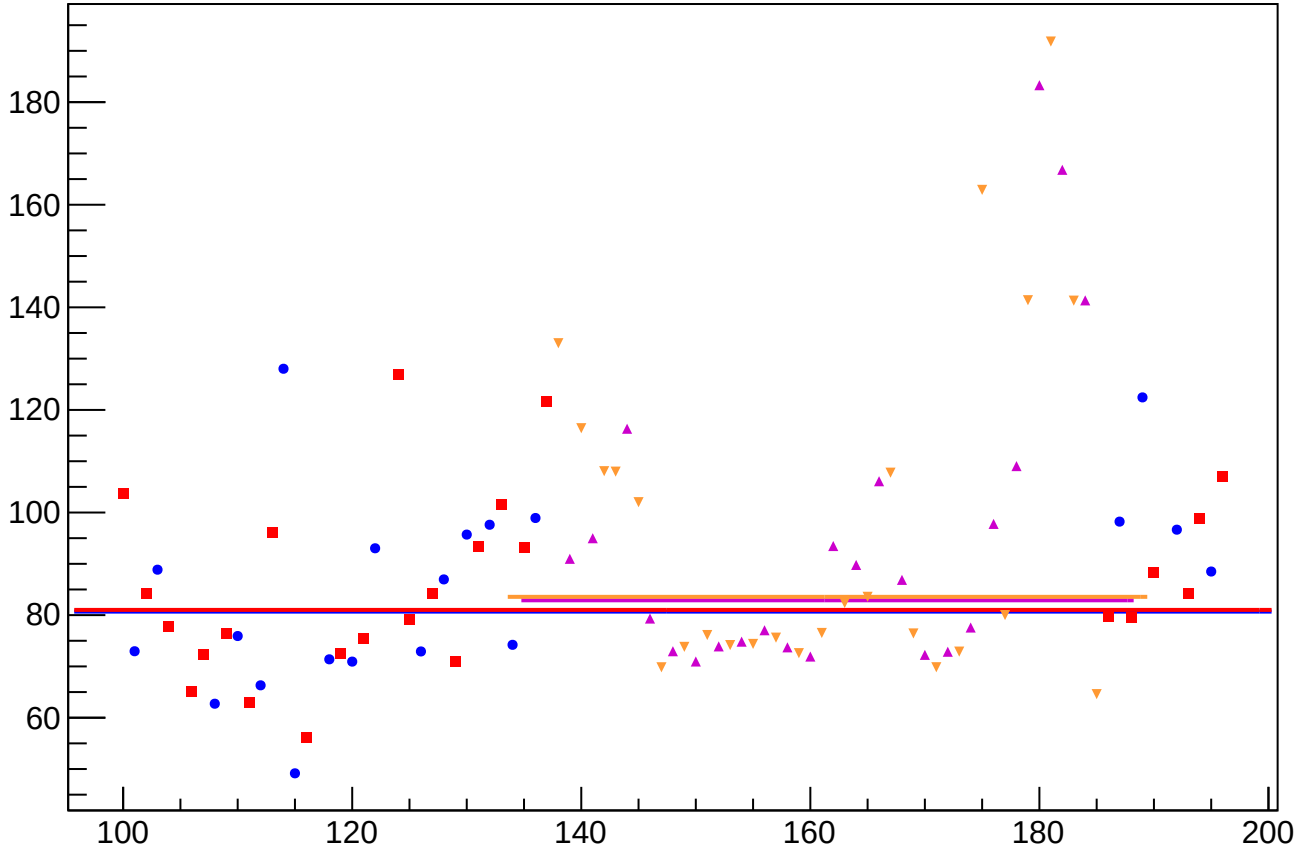
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.011+/-0.011 χ^2/NDF: 114.2/92

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 80.686+/-0.019 χ^2/NDF: 612364.0/19

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

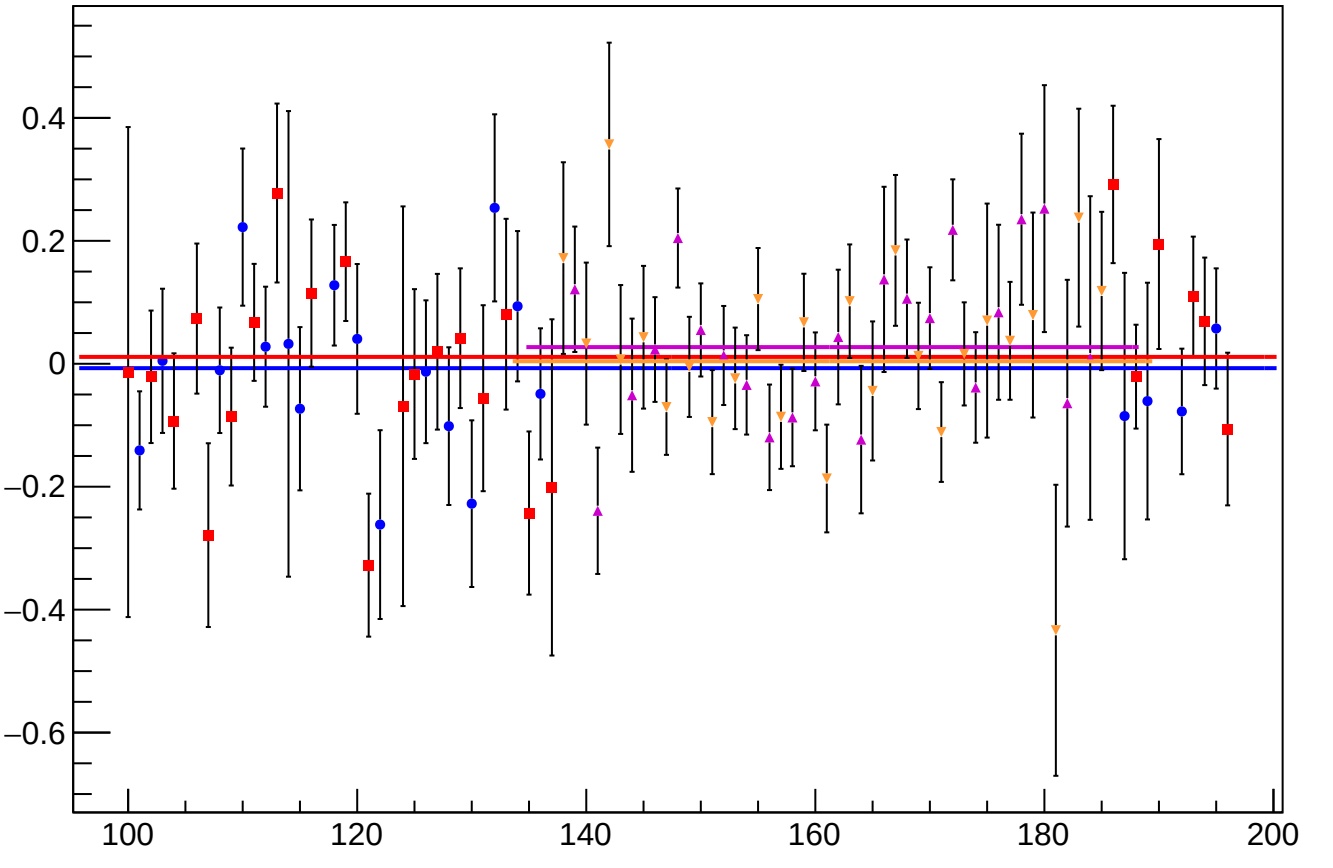
Right Out: 81.017+/-0.018 χ^2/NDF: 572528.5/24

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

+ sign 82.534+/-0.012 χ^2/NDF: 2799685.6/44

All: 82.325+/-0.008 χ^2/NDF: 4952620.3/92

- sign 82.127+/-0.011 χ^2/NDF: 2152290.5/47



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

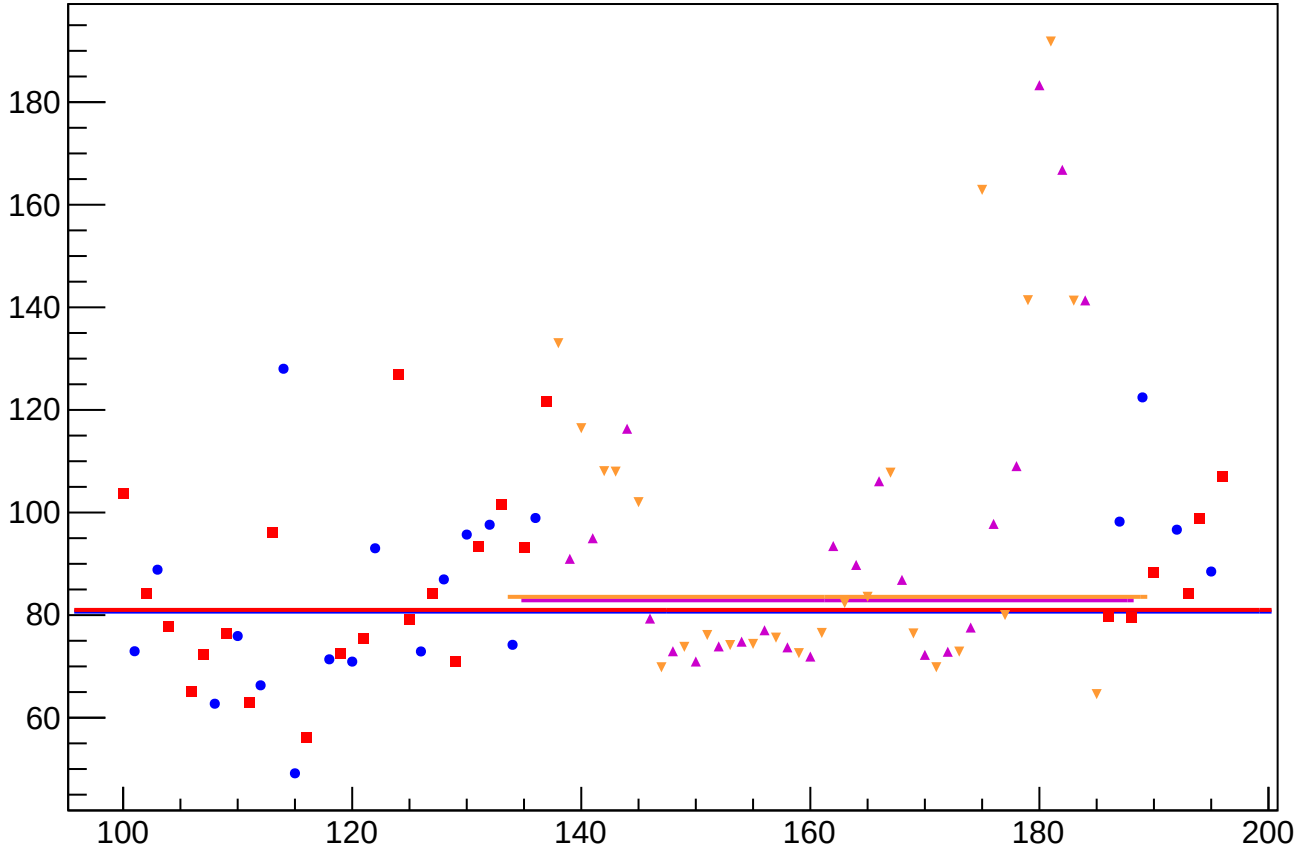
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.011+/-0.011 χ^2/NDF: 114.2/92

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 80.686+/-0.019 χ^2/NDF: 612364.0/19

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 81.017+/-0.018 χ^2/NDF: 572528.5/24

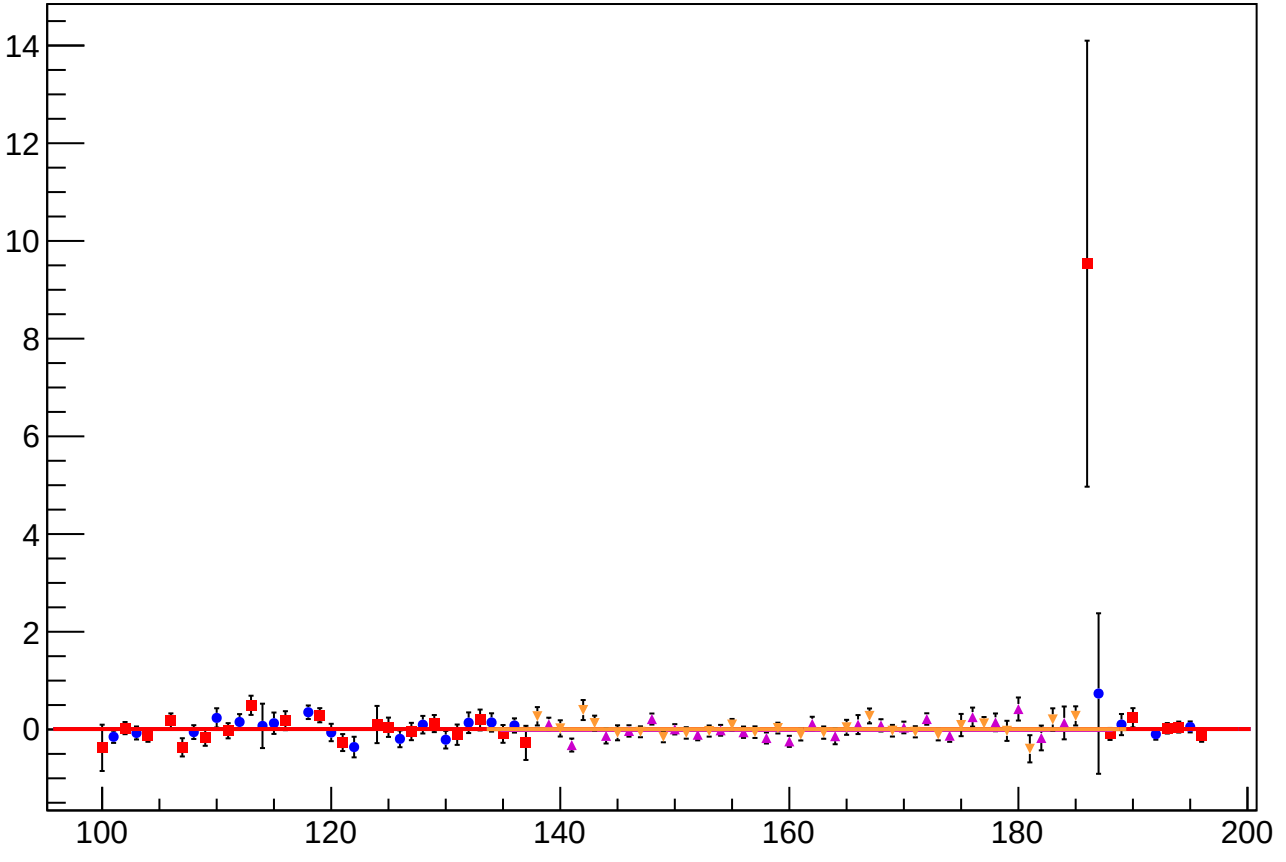
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799685.6/44

All: 82.325+/-0.008 χ^2/NDF: 4952620.3/92

- sign 82.127+/-0.011 χ^2/NDF: 2152290.5/47

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.009+/-0.037 χ^2/NDF: 19.6/19

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.009+/-0.033 χ^2/NDF: 31.1/24

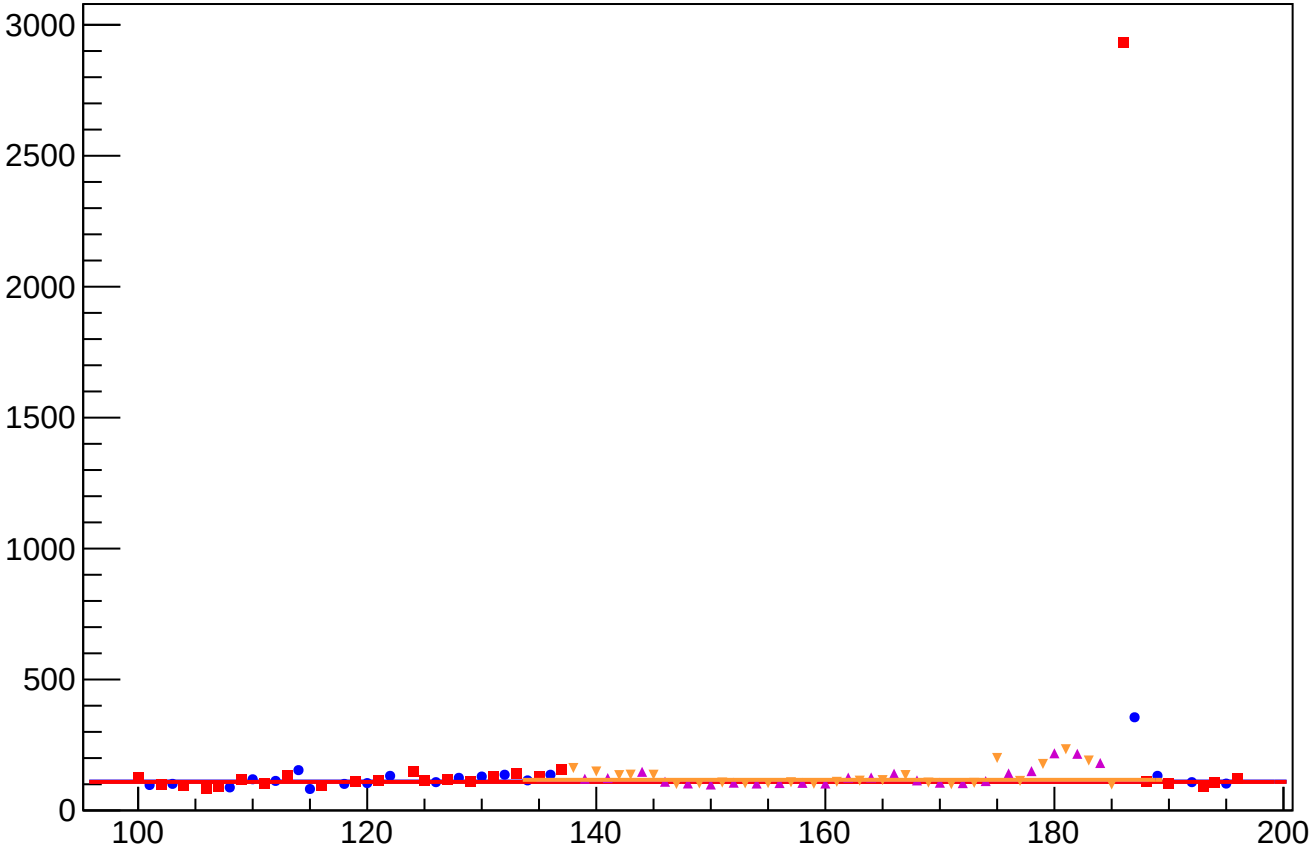
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.007+/-0.022 χ^2/NDF: 40.9/44

All: 0.002+/-0.015 χ^2/NDF: 103.6/92

- sign -0.002+/-0.022 χ^2/NDF: 62.6/47

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.310+/-0.026 χ^2/NDF: 375222.8/19

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

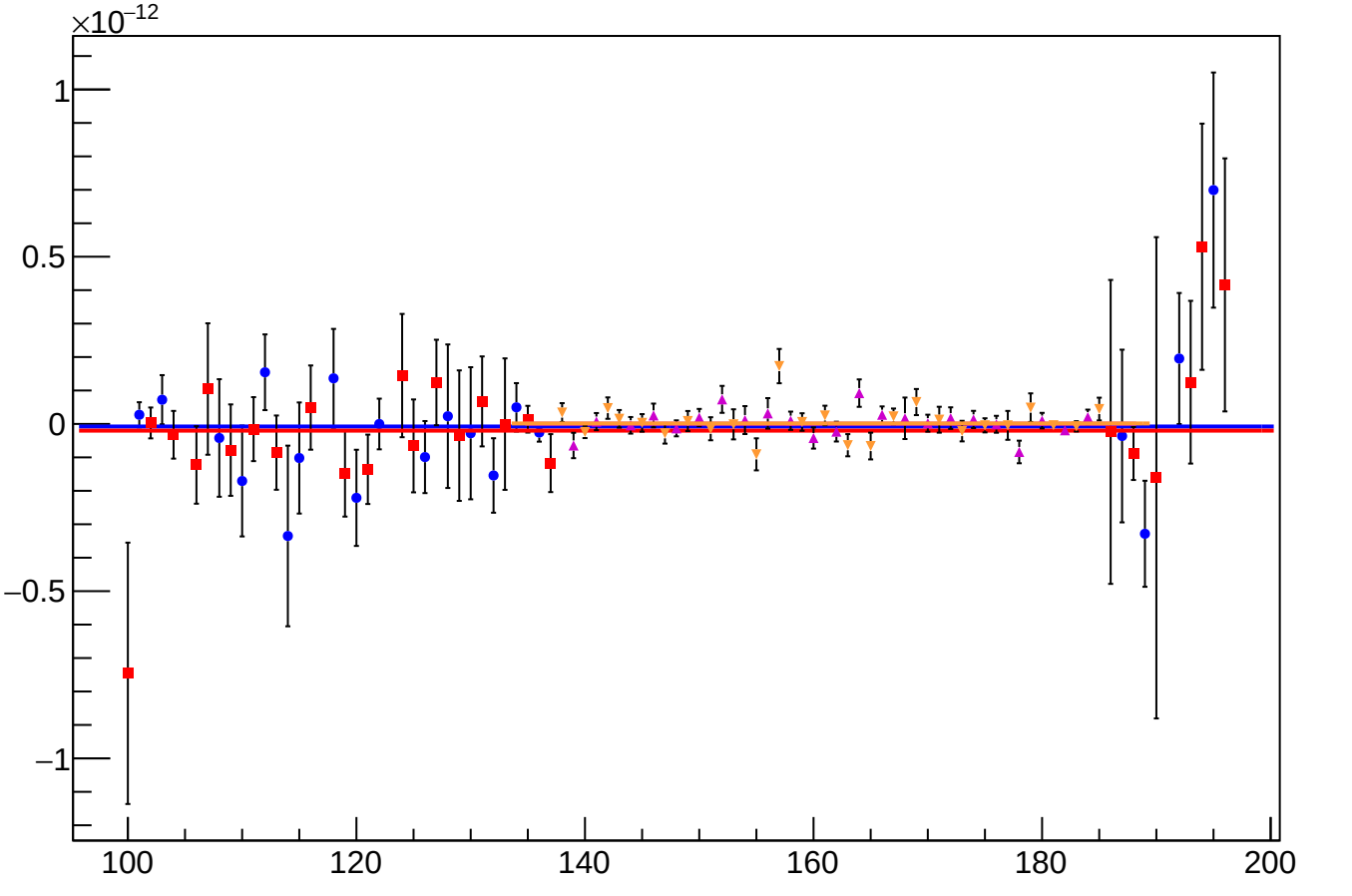
Right Out: 108.955+/-0.024 χ^2/NDF: 1153885.3/24

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.497+/-0.016 χ^2/NDF: 2012794.0/44

All: 113.721+/-0.011 χ^2/NDF: 4452742.0/92

- sign 112.989+/-0.015 χ^2/NDF: 2435189.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

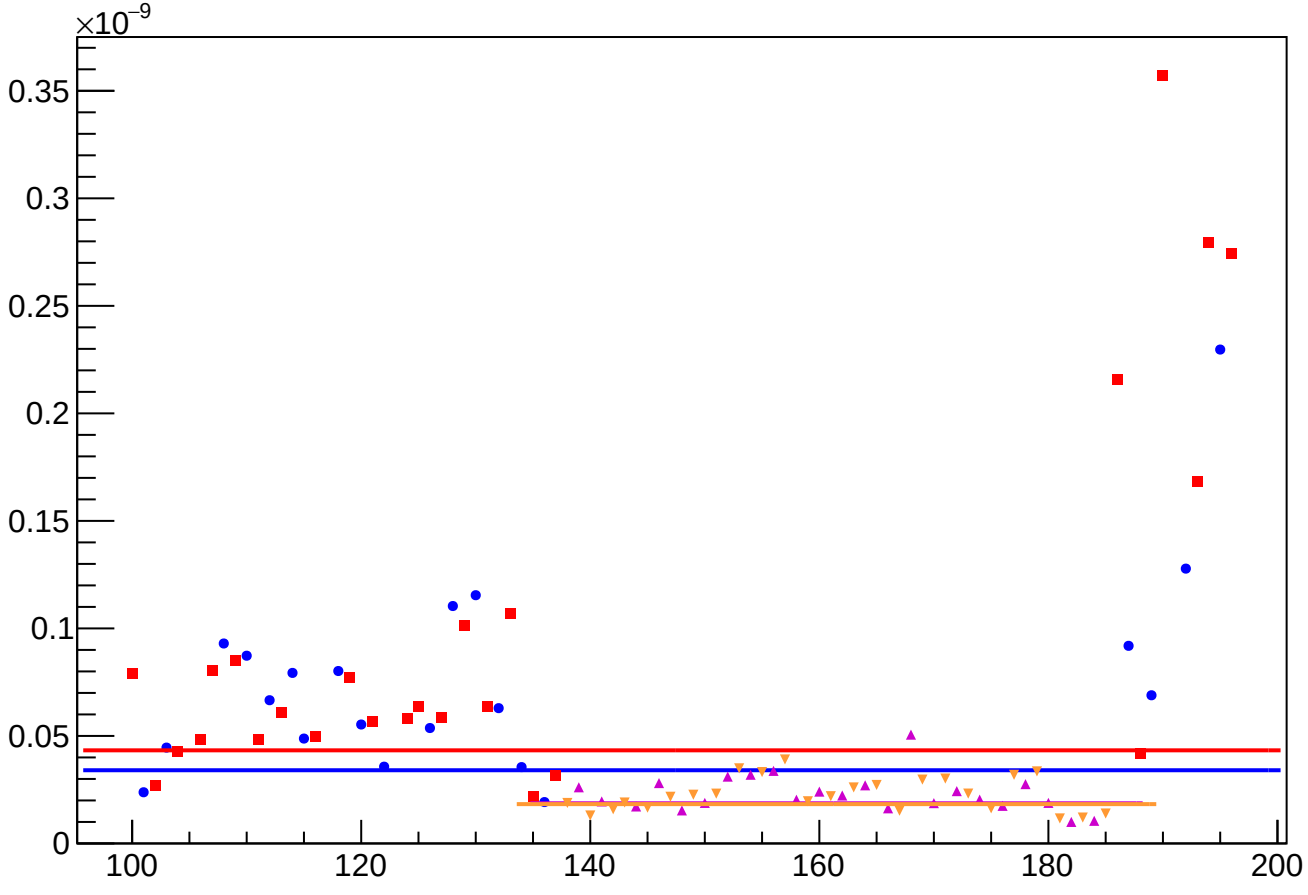
Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/24

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/44

All: -0.000+/-0.000 χ^2/NDF: 104.7/92

- sign -0.000+/-0.000 χ^2/NDF: 45.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3758912.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4676259.4/24

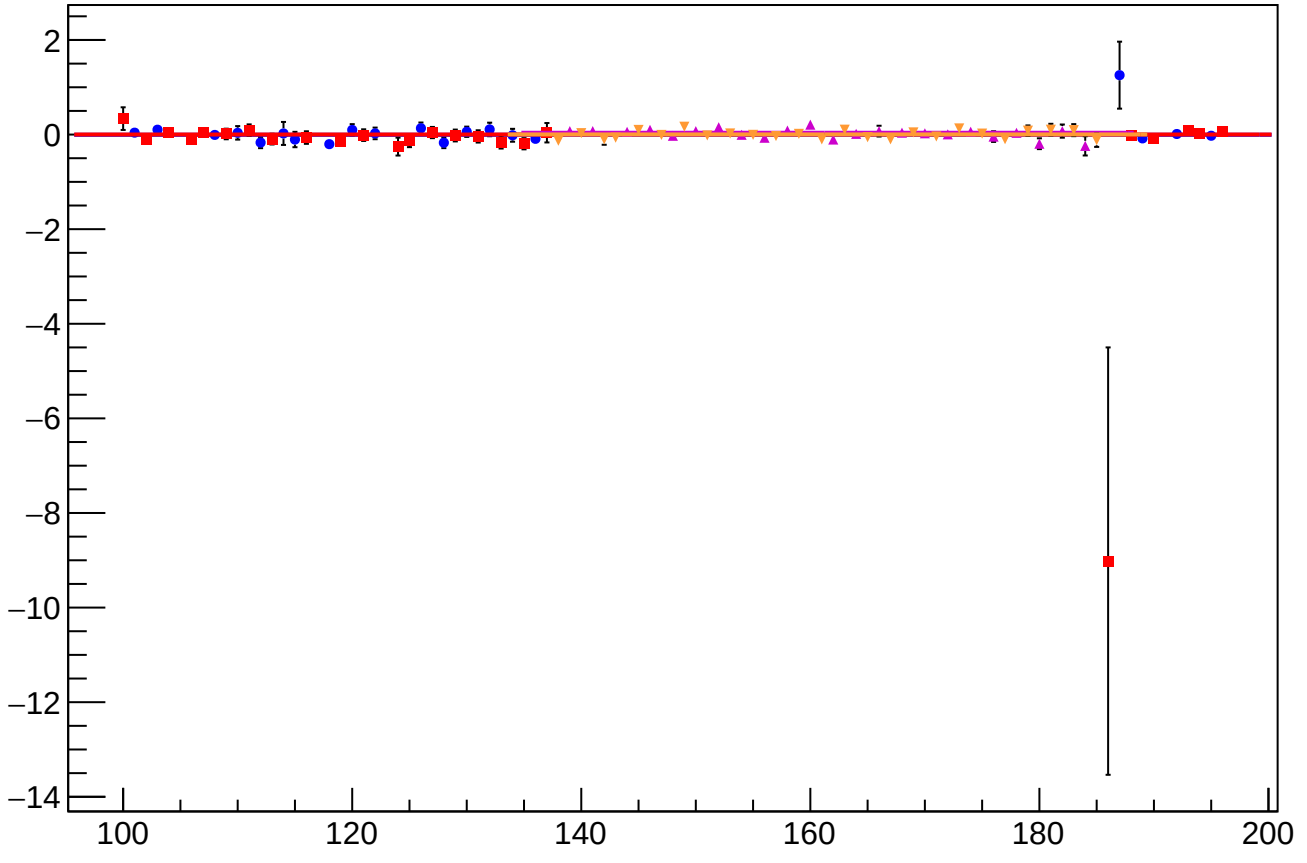
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8241741.8/44

All: 0.000+/-0.000 χ^2/NDF: 18593954.8/92

- sign 0.000+/-0.000 χ^2/NDF: 10328622.1/47

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.019 χ^2/NDF: 21.7/19

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.001+/-0.016 χ^2/NDF: 32.8/24

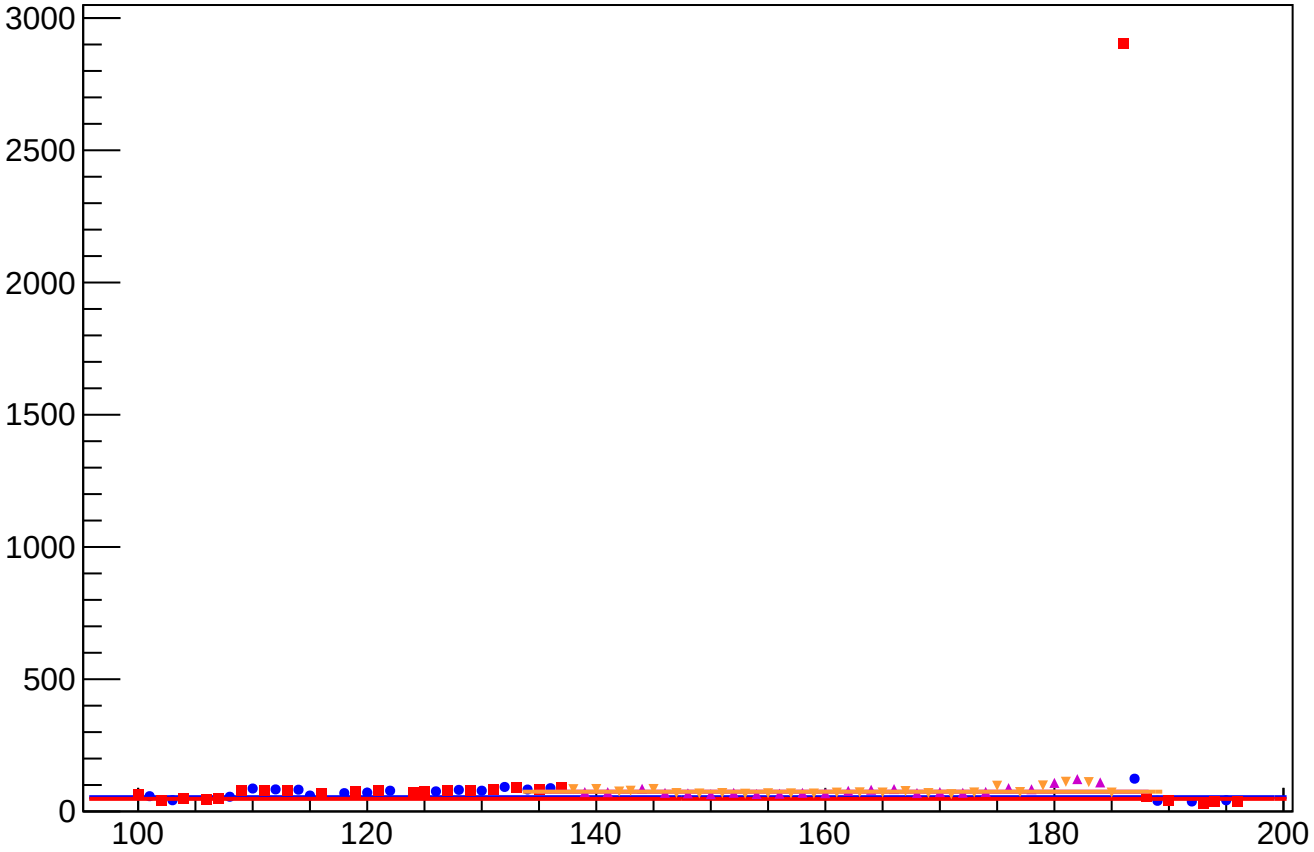
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.001+/-0.013 χ^2/NDF: 43.3/44

All: 0.009+/-0.009 χ^2/NDF: 101.3/92

- sign 0.017+/-0.012 χ^2/NDF: 56.9/47

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 53.923+/-0.013 χ^2/NDF: 1883642.8/19

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

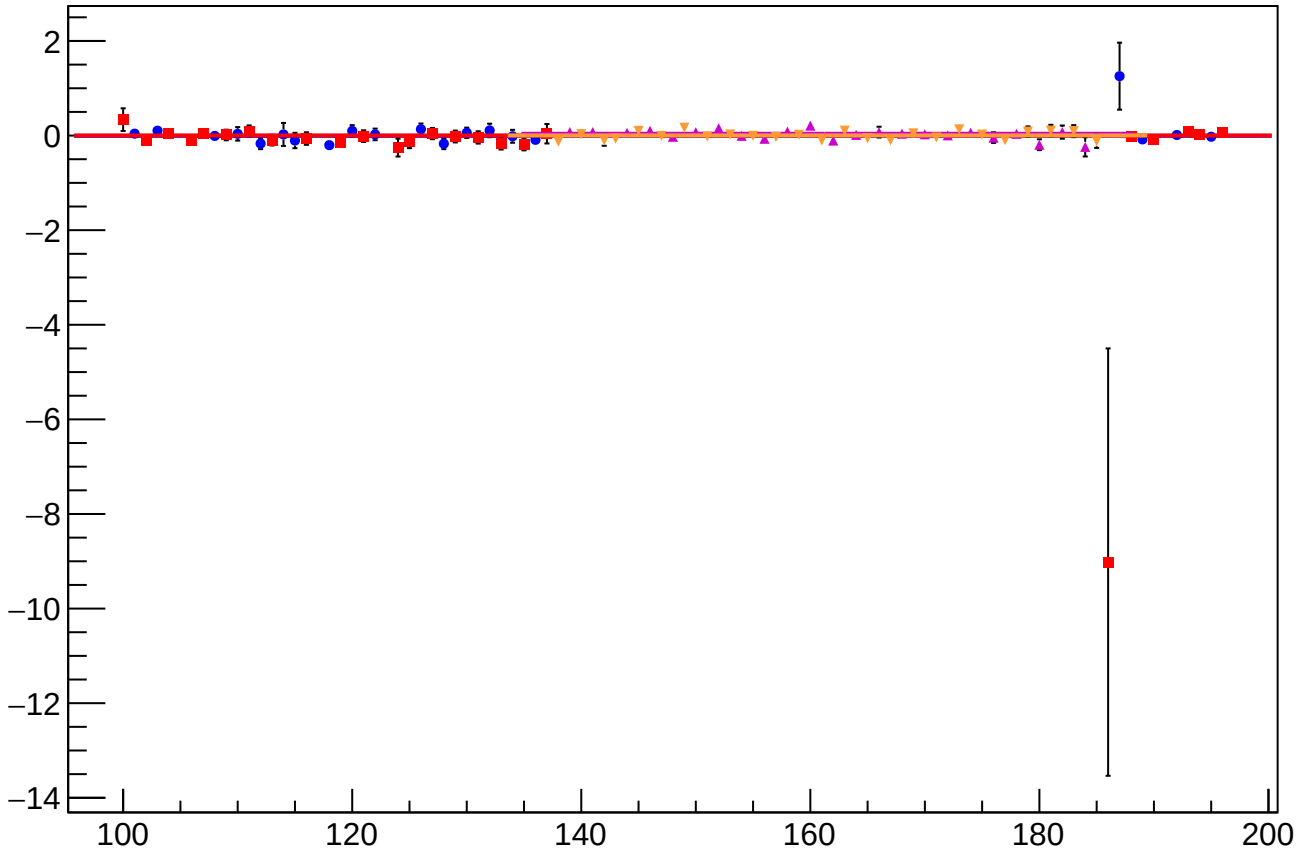
Right Out: 47.646+/-0.011 χ^2/NDF: 3483304.1/24

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 65.095+/-0.009 χ^2/NDF: 3952215.1/44

All: 62.005+/-0.006 χ^2/NDF: 10936118.2/92

- sign 59.370+/-0.008 χ^2/NDF: 6766738.7/47



Right In: -0.005+/-0.019 χ^2/NDF: 21.7/19

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.001+/-0.016 χ^2/NDF: 32.8/24

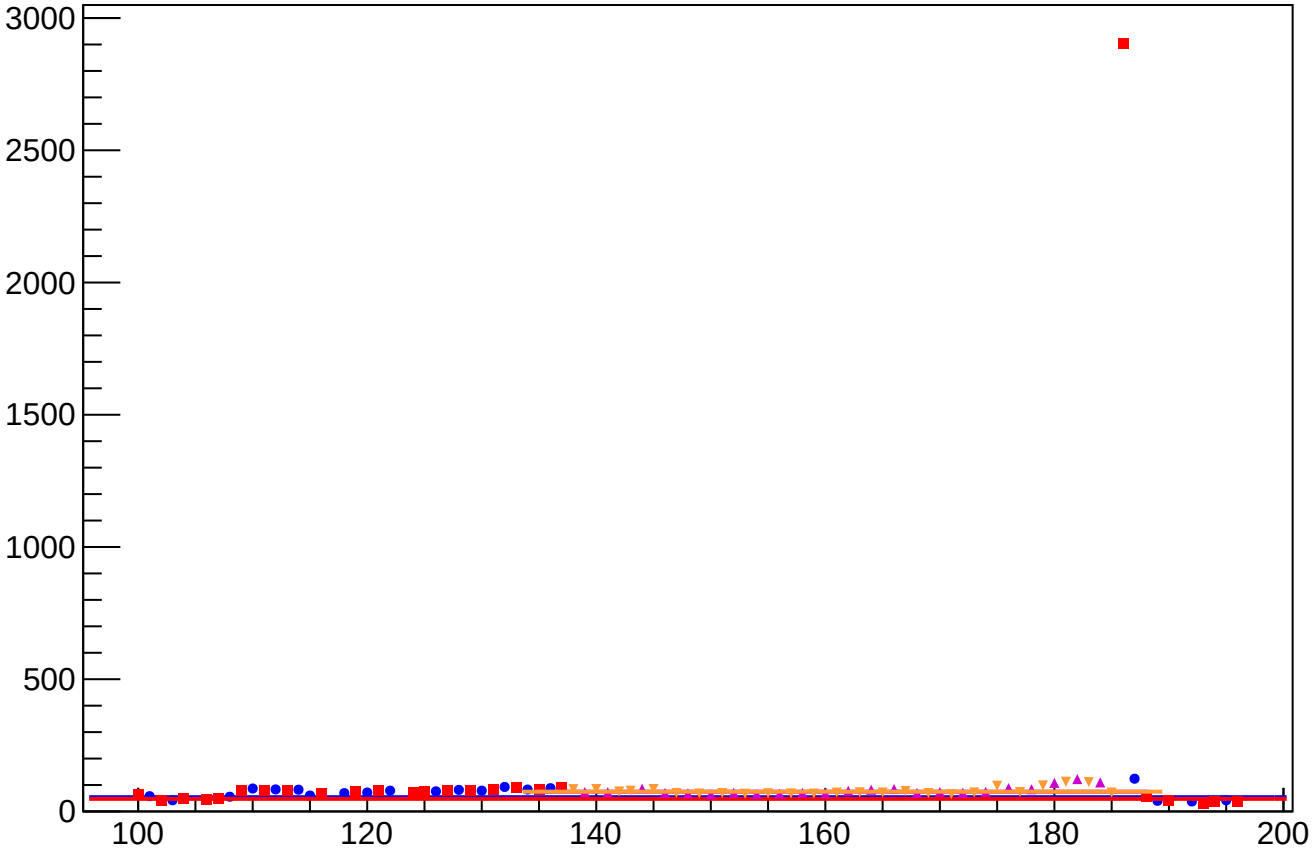
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.001+/-0.013 χ^2/NDF: 43.3/44

All: 0.009+/-0.009 χ^2/NDF: 101.3/92

- sign 0.017+/-0.012 χ^2/NDF: 56.9/47

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 53.923+/-0.013 χ^2/NDF: 1883642.8/19

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.646+/-0.011 χ^2/NDF: 3483304.1/24

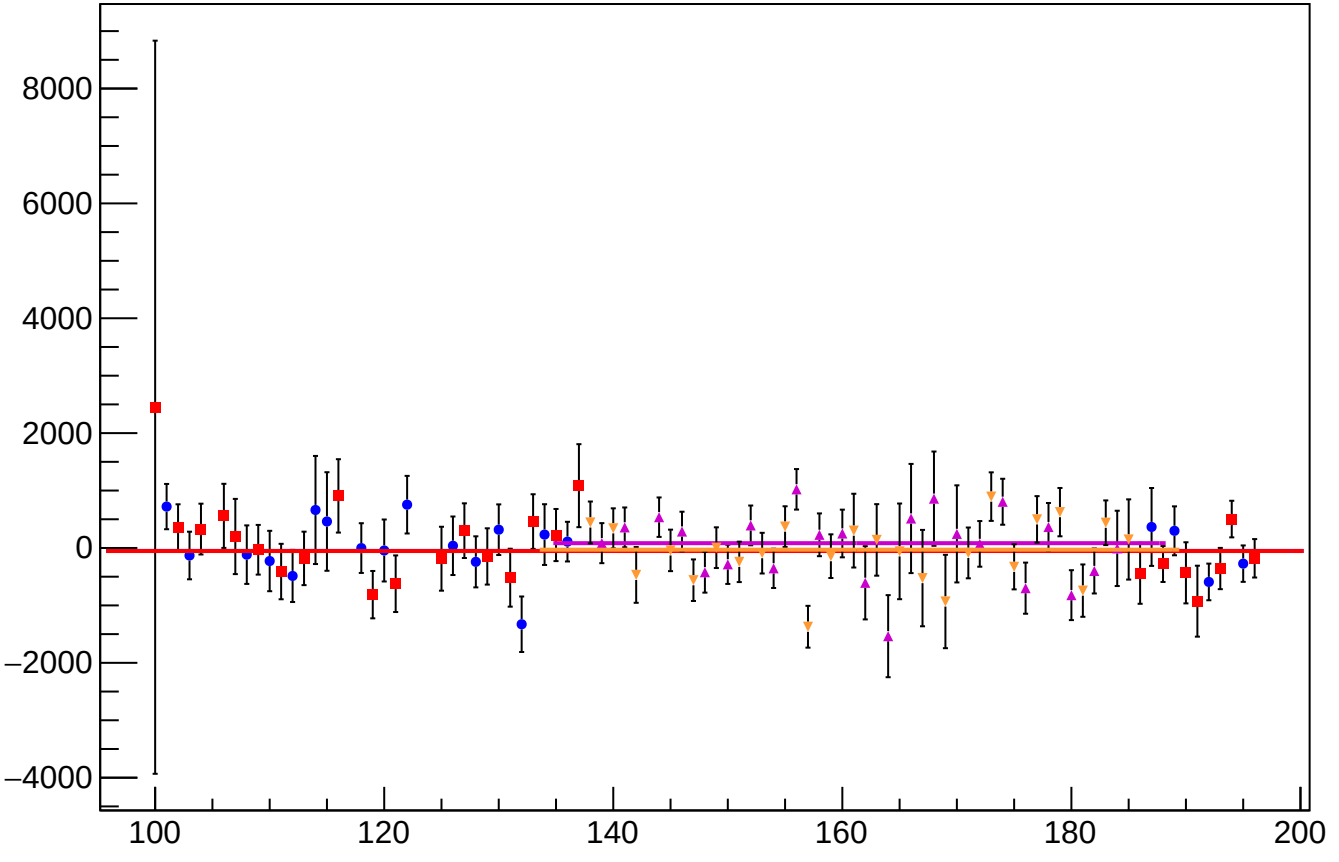
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 65.095+/-0.009 χ^2/NDF: 3952215.1/44

All: 62.005+/-0.006 χ^2/NDF: 10936118.2/92

- sign 59.370+/-0.008 χ^2/NDF: 6766738.7/47

asym_dsl_mean vs Slug



Right In: -51.153+/-101.240 χ^2/NDF: 21.3/19

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -53.244+/-92.532 χ^2/NDF: 23.9/24

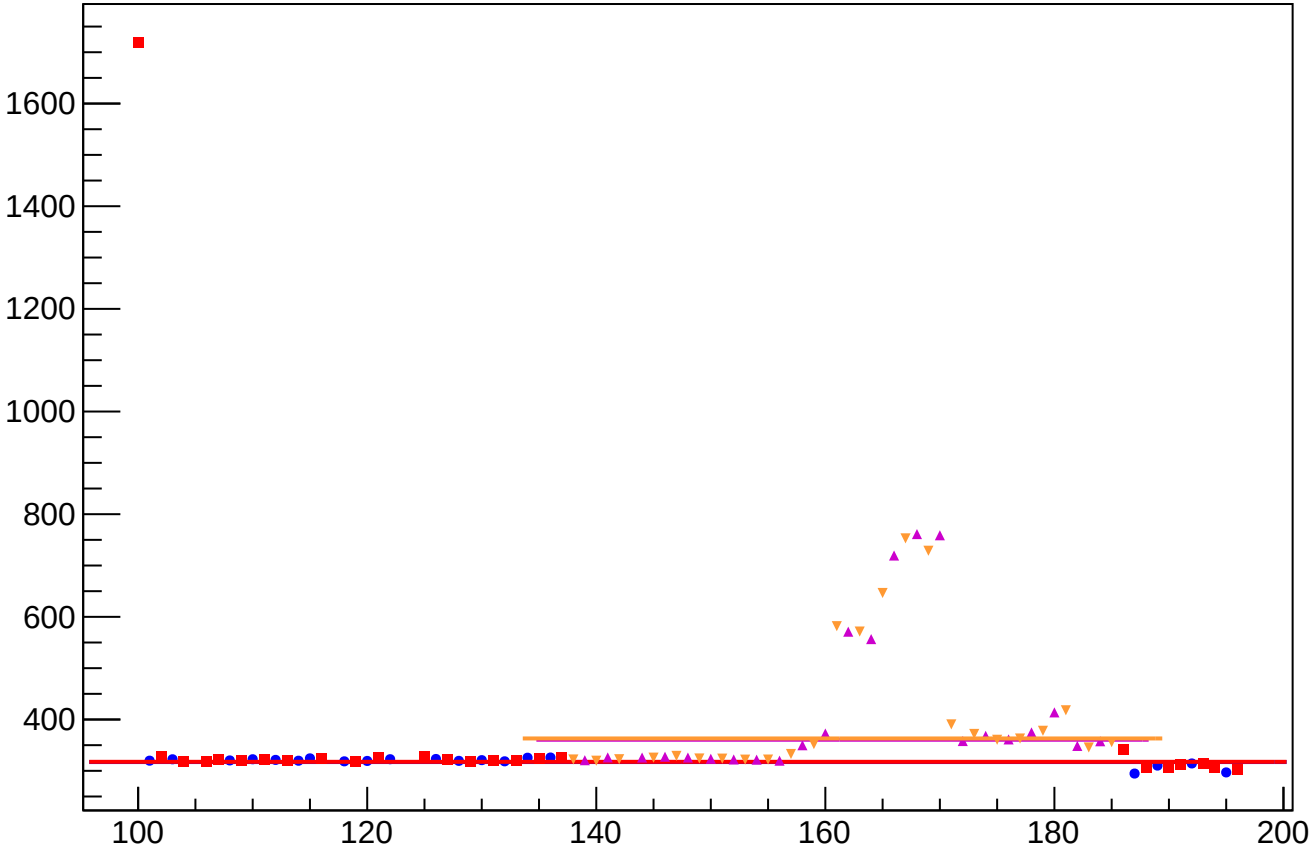
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -38.552+/-65.778 χ^2/NDF: 57.8/43

All: -8.167+/-45.566 χ^2/NDF: 119.1/91

\- sign 19.866+/-63.180 χ^2/NDF: 60.9/47

asym_dsl_rms vs Slug



Right In: 317.117+/-0.072 χ^2/NDF: 14616.8/19

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 317.559+/-0.065 χ^2/NDF: 114532.7/24

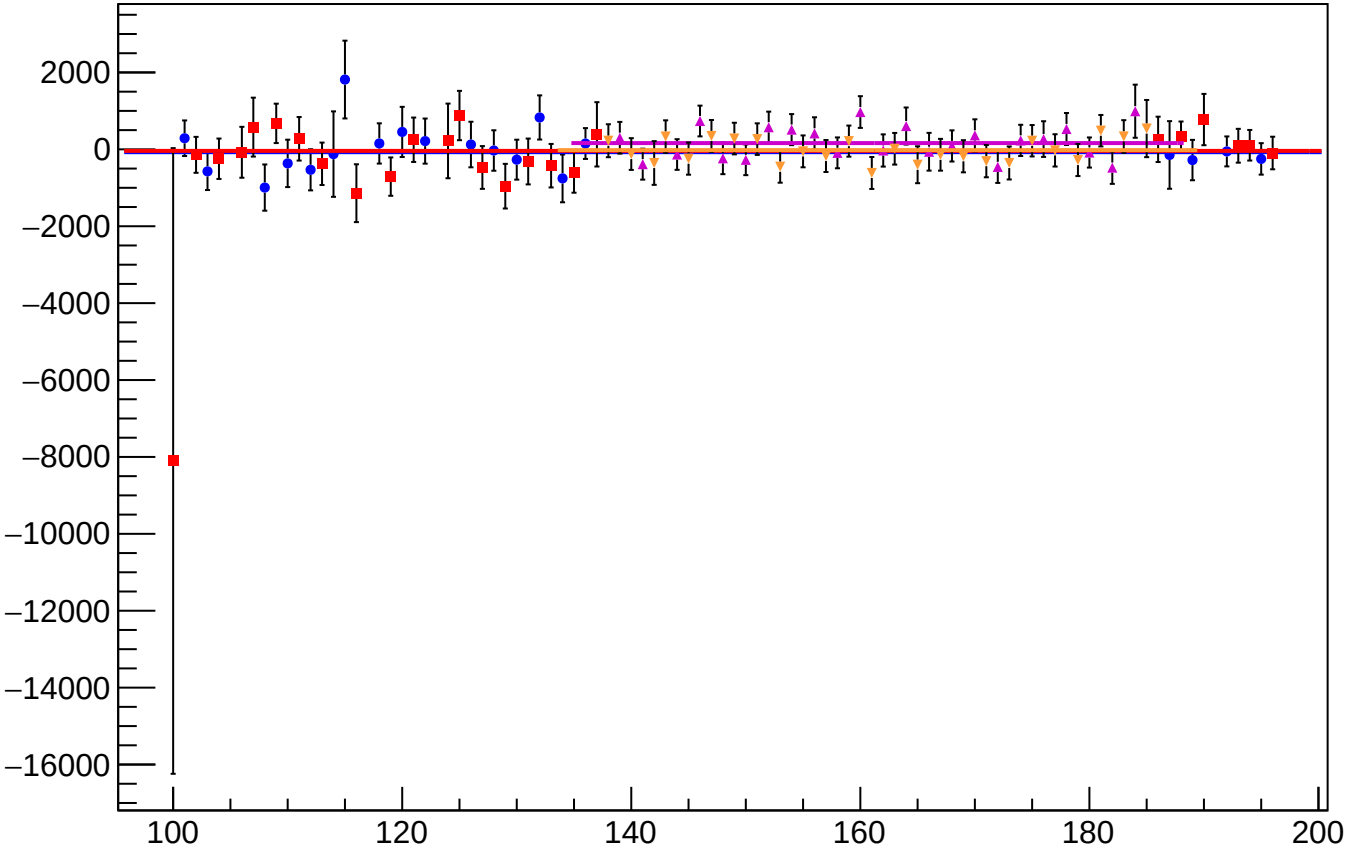
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 343.677+/-0.047 χ^2/NDF: 2048386.9/43

All: 342.038+/-0.032 χ^2/NDF: 4213823.4/91

- sign 340.526+/-0.045 χ^2/NDF: 2163049.6/47

asym_dsr_mean vs Slug



Right In: -73.559+/-121.296 χ^2/NDF: 14.1/19

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -40.009+/-111.440 χ^2/NDF: 18.8/24

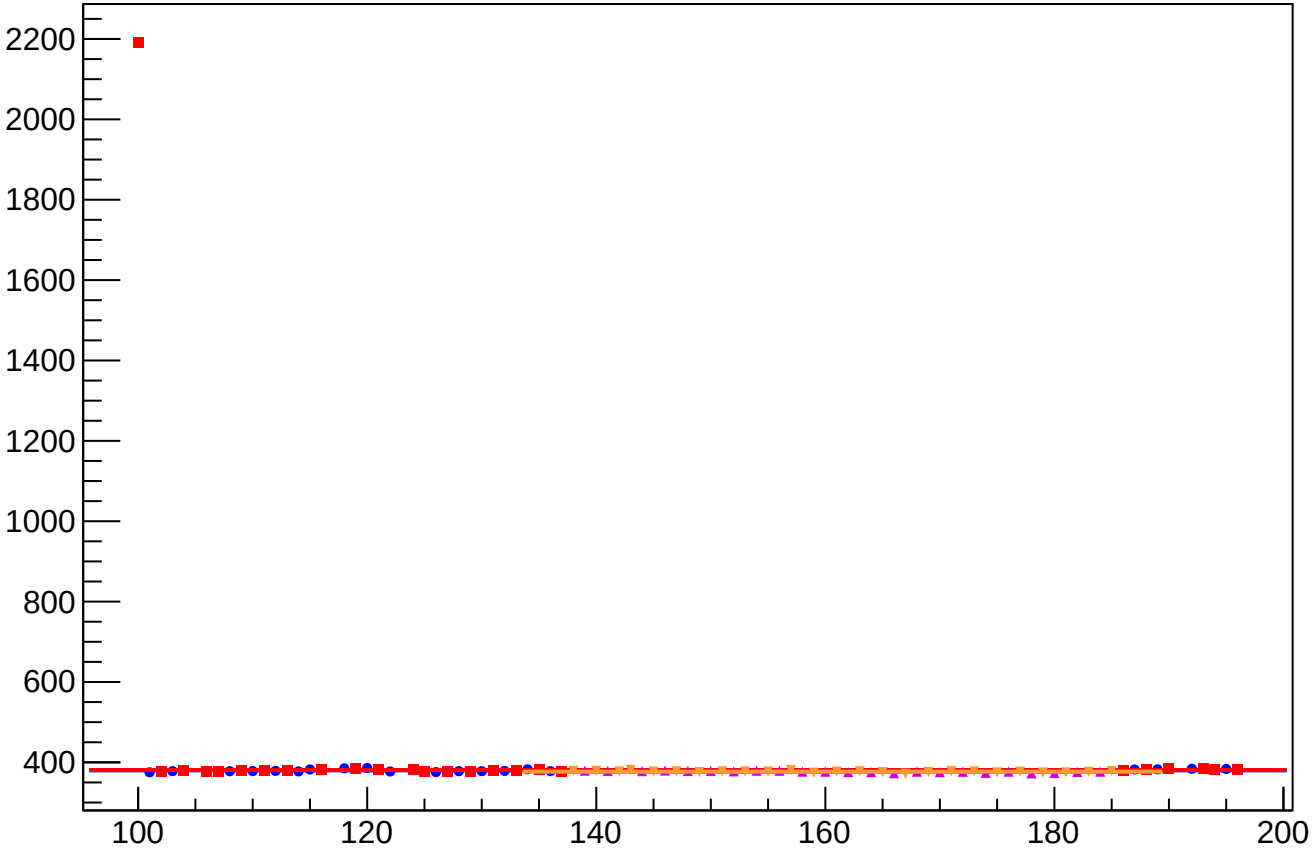
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -38.520+/-69.949 χ^2/NDF: 26.9/44

All: 24.048+/-49.144 χ^2/NDF: 71.1/92

- sign 85.034+/-69.059 χ^2/NDF: 42.6/47

asym_dsr_rms vs Slug



Right In: 380.076+/-0.086 χ^2/NDF: 1400.7/19

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

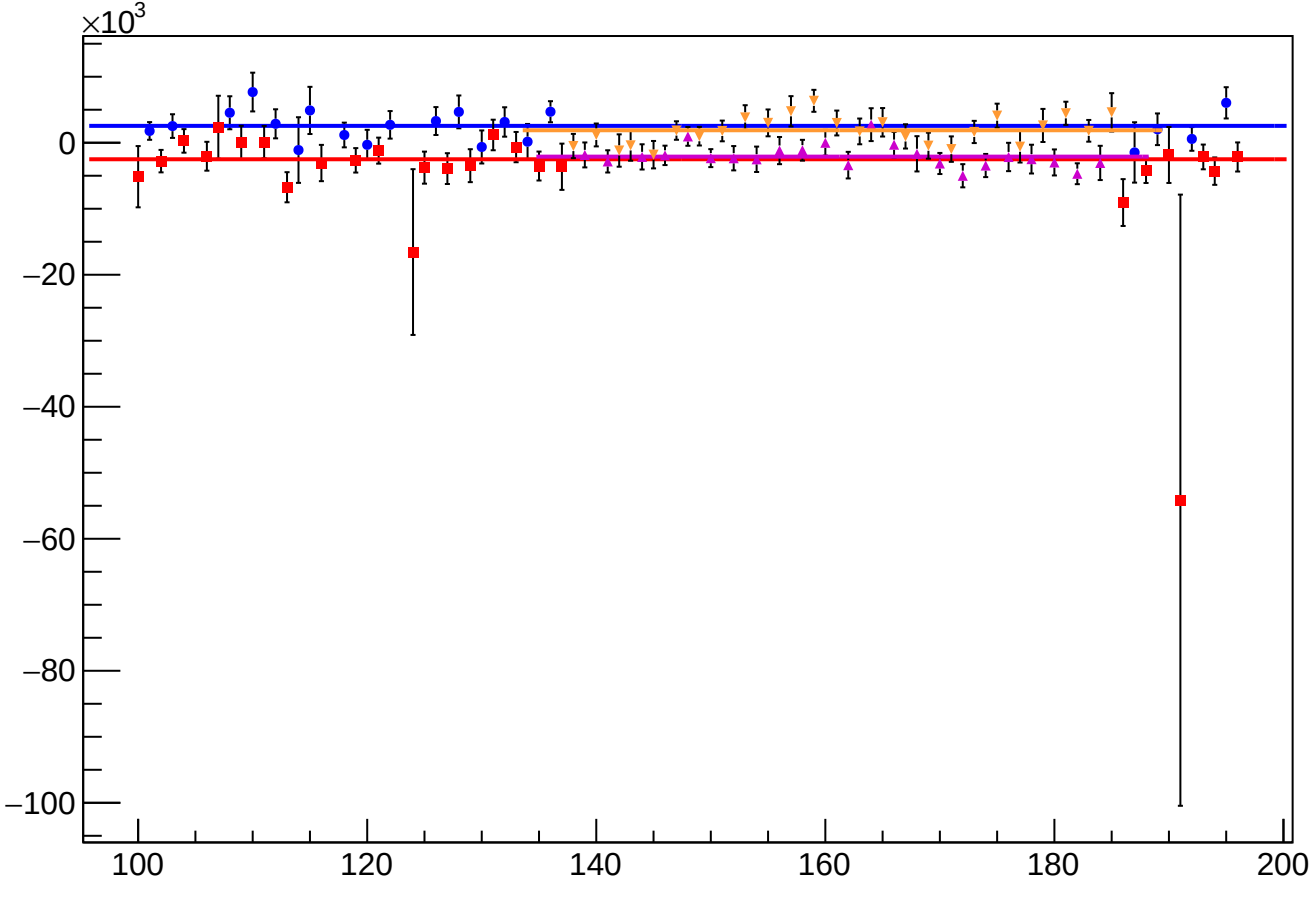
Right Out: 381.001+/-0.079 χ^2/NDF: 100130.3/24

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.960+/-0.049 χ^2/NDF: 3371.0/44

All: 378.204+/-0.035 χ^2/NDF: 106335.7/92

- sign 378.441+/-0.049 χ^2/NDF: 102916.8/47



Right In: 2555.725+/-489.979 χ^2/NDF: 16.5/19

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2504.675+/-472.945 χ^2/NDF: 21.7/25

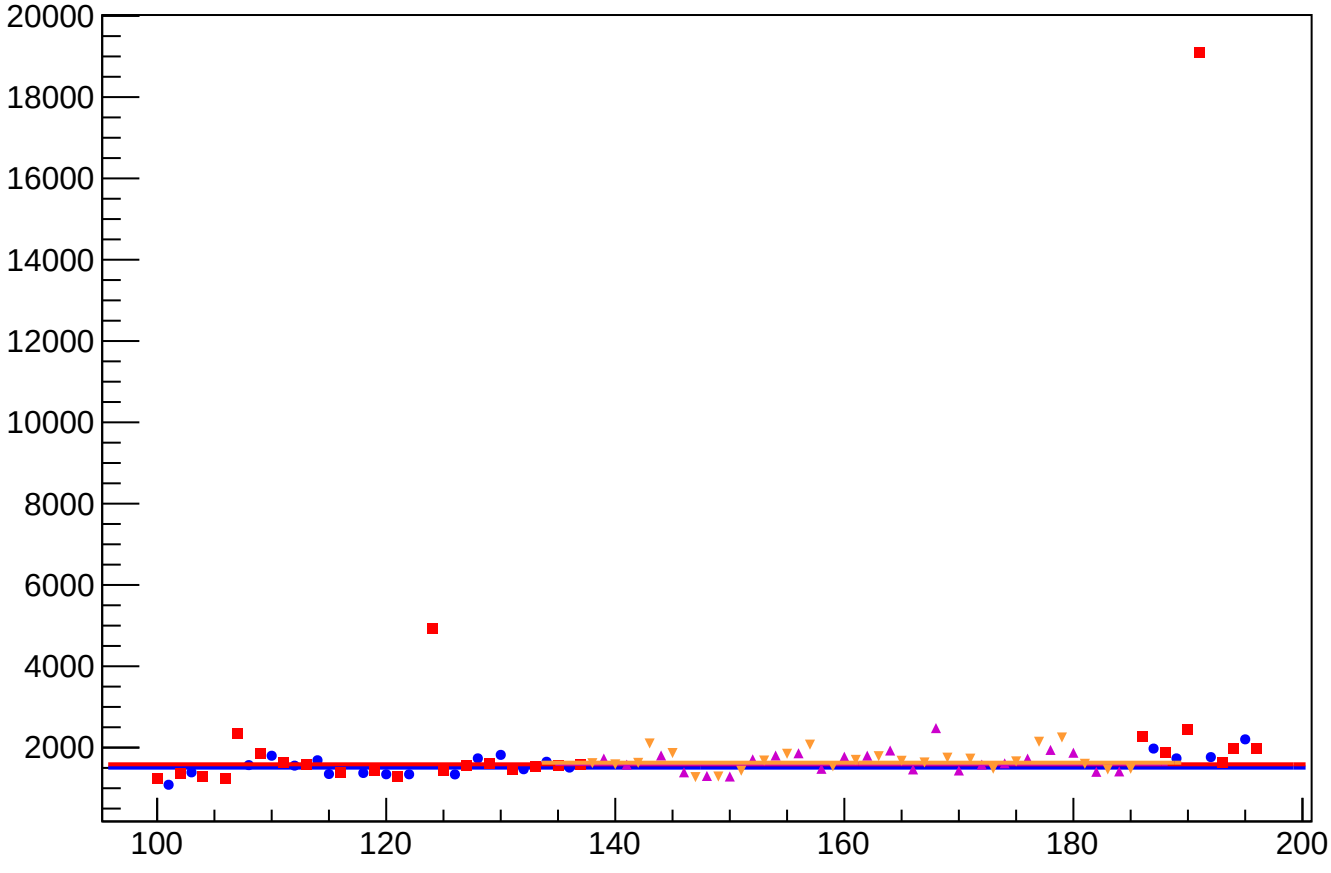
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2136.903+/-297.938 χ^2/NDF: 46.0/44

All: -78.347+/-209.906 χ^2/NDF: 196.5/93

- sign -2261.573+/-295.777 χ^2/NDF: 40.7/48

asym_us_agg_avg_rms vs Slug



Right In: 1506.846+/-0.346 χ^2/NDF: 588037.4/19

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1588.826+/-0.334 χ^2/NDF: 1075569.7/25

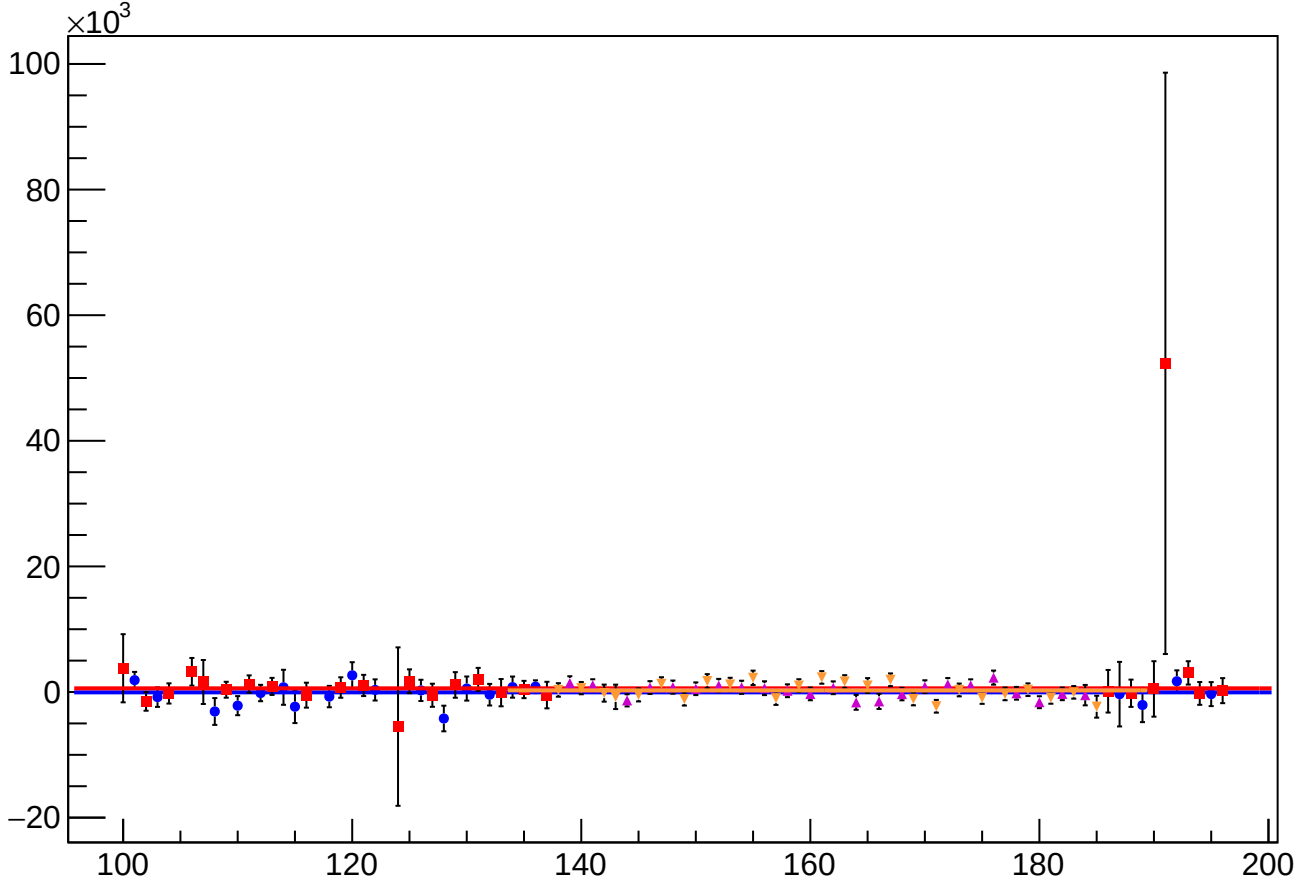
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1583.506+/-0.211 χ^2/NDF: 1444809.9/44

All: 1590.071+/-0.148 χ^2/NDF: 3316904.2/93

- sign 1596.541+/-0.209 χ^2/NDF: 1870166.3/48

asym_us_agg_dd_mean vs Slug



Right In: -53.269+/-385.575 χ^2/NDF: 16.1/19

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 588.298+/-375.155 χ^2/NDF: 10.1/25

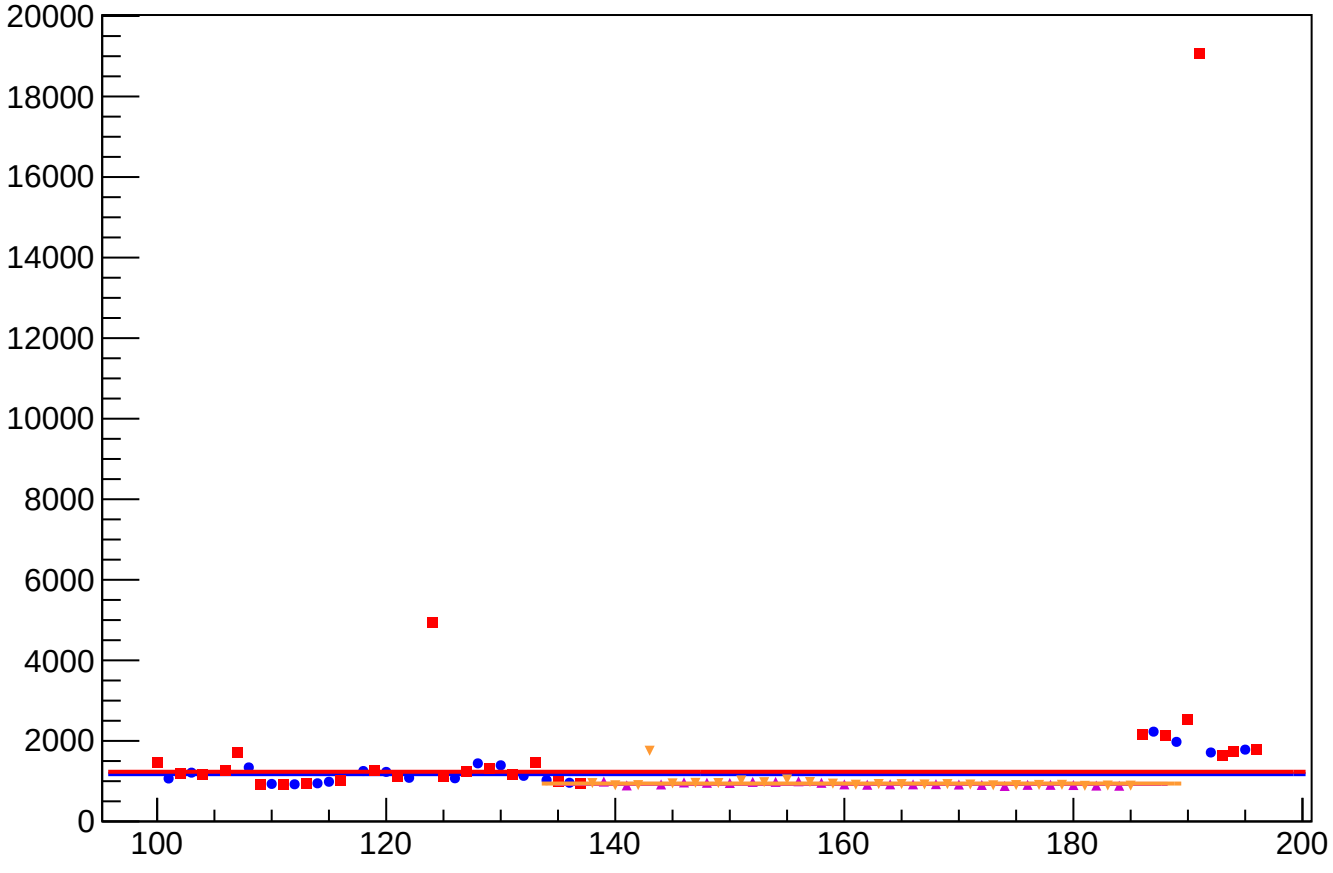
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 187.536+/-187.755 χ^2/NDF: 50.6/44

All: 267.530+/-132.949 χ^2/NDF: 83.0/93

- sign 347.975+/-188.284 χ^2/NDF: 32.1/48

asym_us_agg_dd_rms vs Slug



Right In: 1173.804+/-0.273 χ^2/NDF: 1011018.8/19

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1233.794+/-0.265 χ^2/NDF: 2074054.5/25

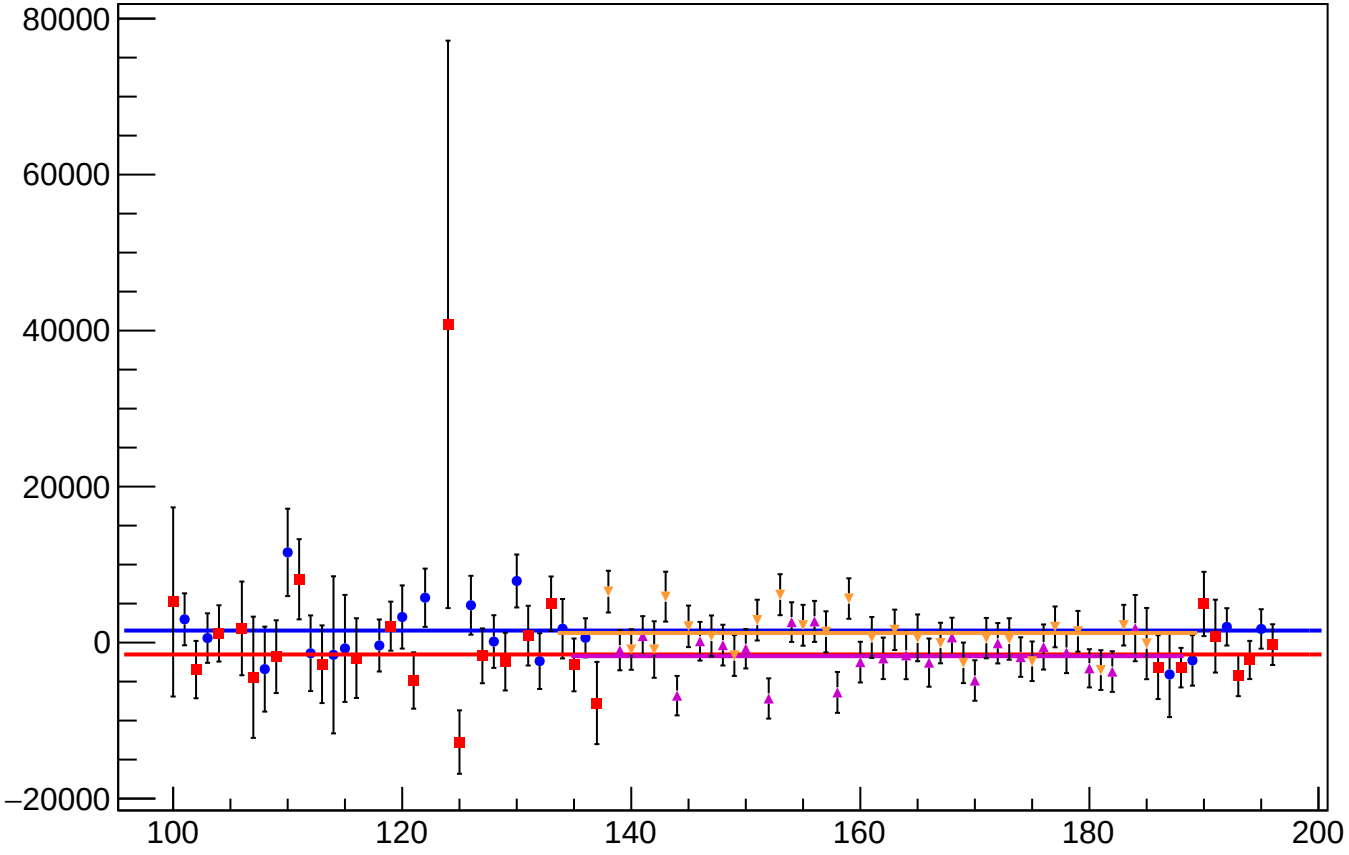
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 996.212+/-0.133 χ^2/NDF: 1984889.0/44

All: 1001.935+/-0.094 χ^2/NDF: 5082670.1/93

- sign 1007.690+/-0.133 χ^2/NDF: 3094054.5/48

reg_asym_atl1_mean vs Slug



Right In: 1542.384+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1522.377+/-744.680 χ^2/NDF: 26.5/25

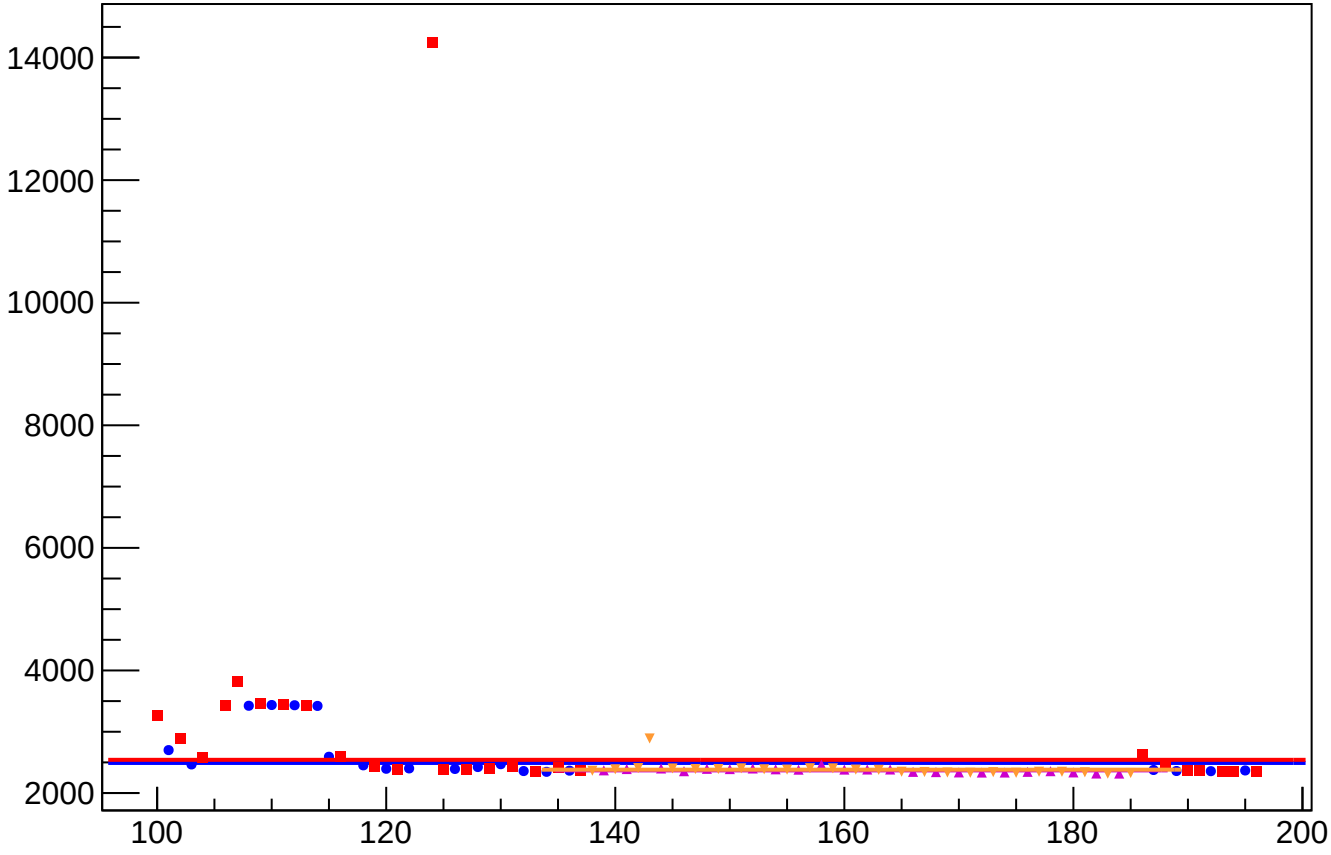
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.331+/-448.325 χ^2/NDF: 38.9/44

All: -180.360+/-315.510 χ^2/NDF: 112.3/93

- sign -1663.716+/-444.103 χ^2/NDF: 50.9/48

reg_asym_atl1_rms vs Slug



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2541.884+/-0.527 χ^2/NDF: 599452.9/25

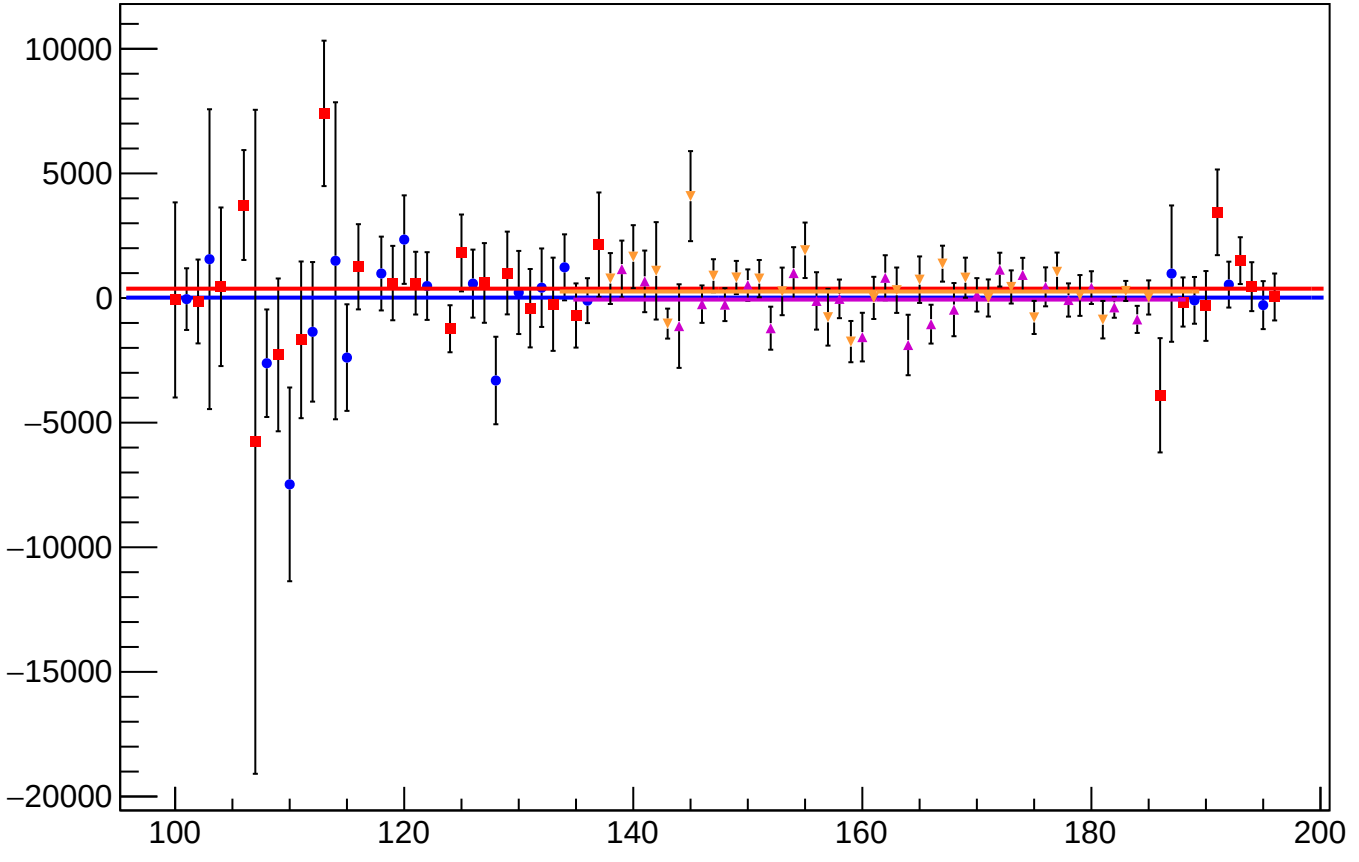
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2423.276+/-0.223 χ^2/NDF: 1007254.1/93

- sign 2430.734+/-0.314 χ^2/NDF: 675635.7/48

asym_atl1_reg_correction_mean vs Slug



Right In: 17.112+/-322.712 χ^2/NDF: 14.3/19

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 376.241+/-292.827 χ^2/NDF: 24.4/25

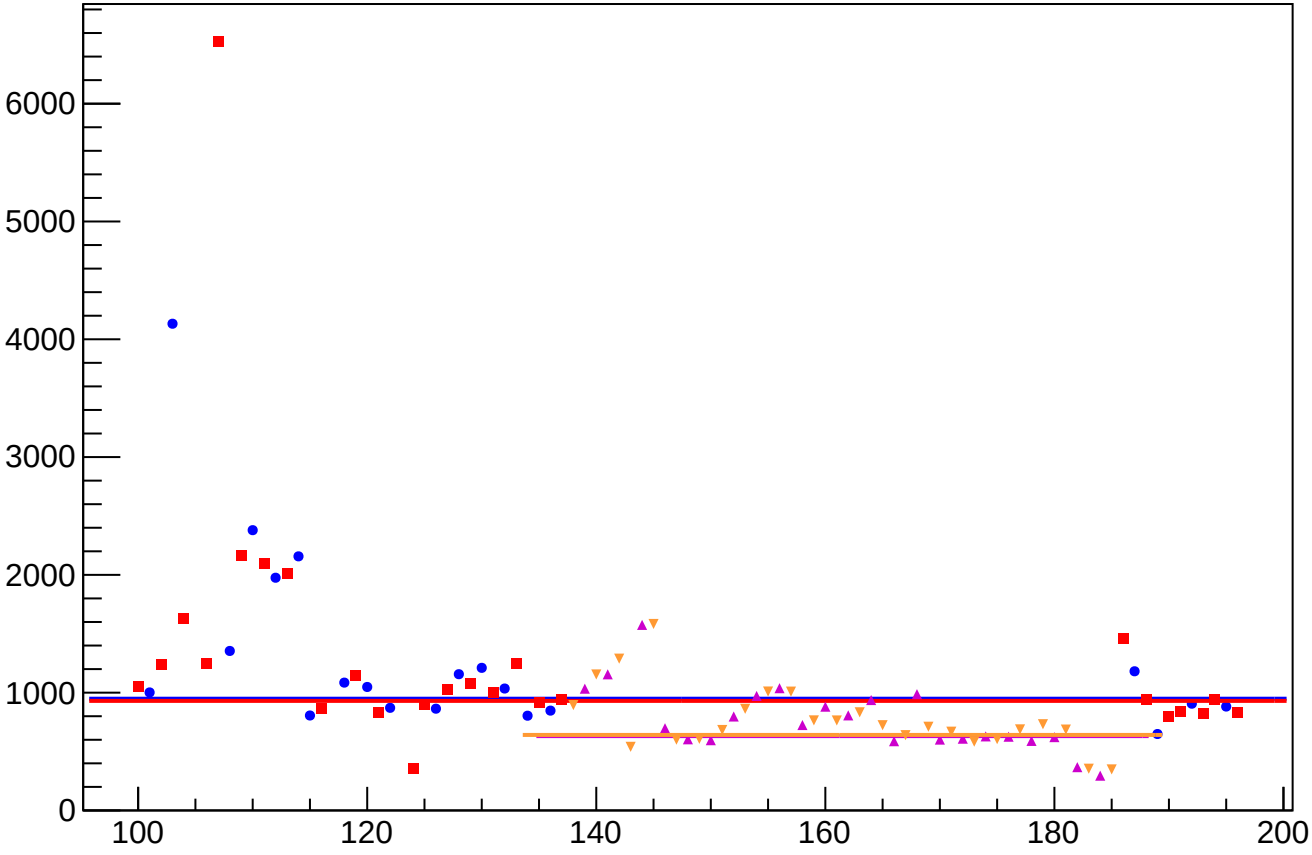
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 216.472+/-138.992 χ^2/NDF: 45.9/44

All: 126.136+/-98.156 χ^2/NDF: 94.9/93

\- sign 36.262+/-138.636 χ^2/NDF: 48.1/48

asym_atl1_reg_correction_rms vs Slug



Right In: 948.610+/-0.228 χ^2/NDF: 1658117.7/19

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 930.233+/-0.207 χ^2/NDF: 2504422.0/25

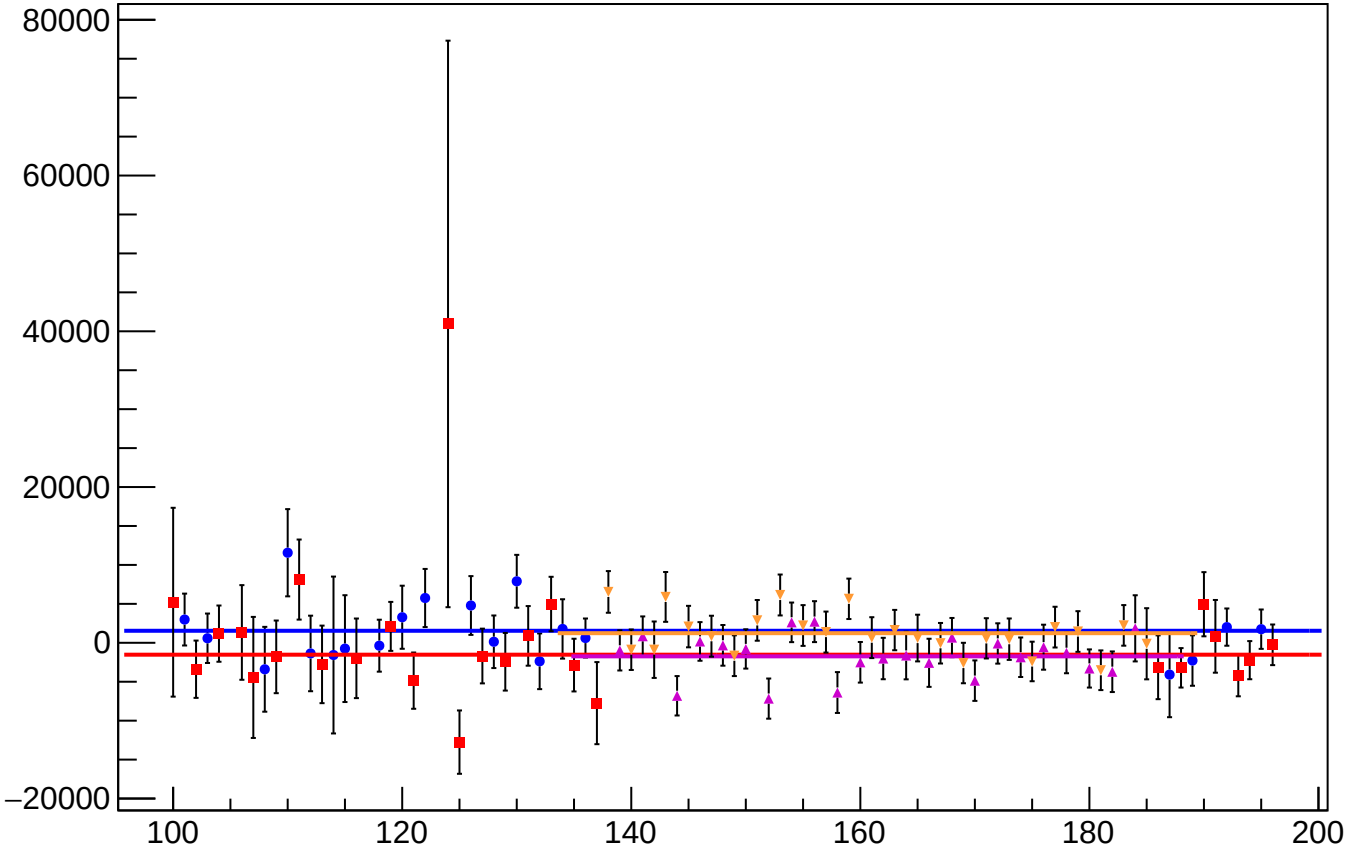
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 698.190+/-0.098 χ^2/NDF: 6611567.5/44

All: 698.208+/-0.069 χ^2/NDF: 14709627.0/93

- sign 698.226+/-0.098 χ^2/NDF: 8098059.4/48

cor_asym_atl1_mean vs Slug



Right In: 1542.631+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1527.937+/-744.810 χ^2/NDF: 26.4/25

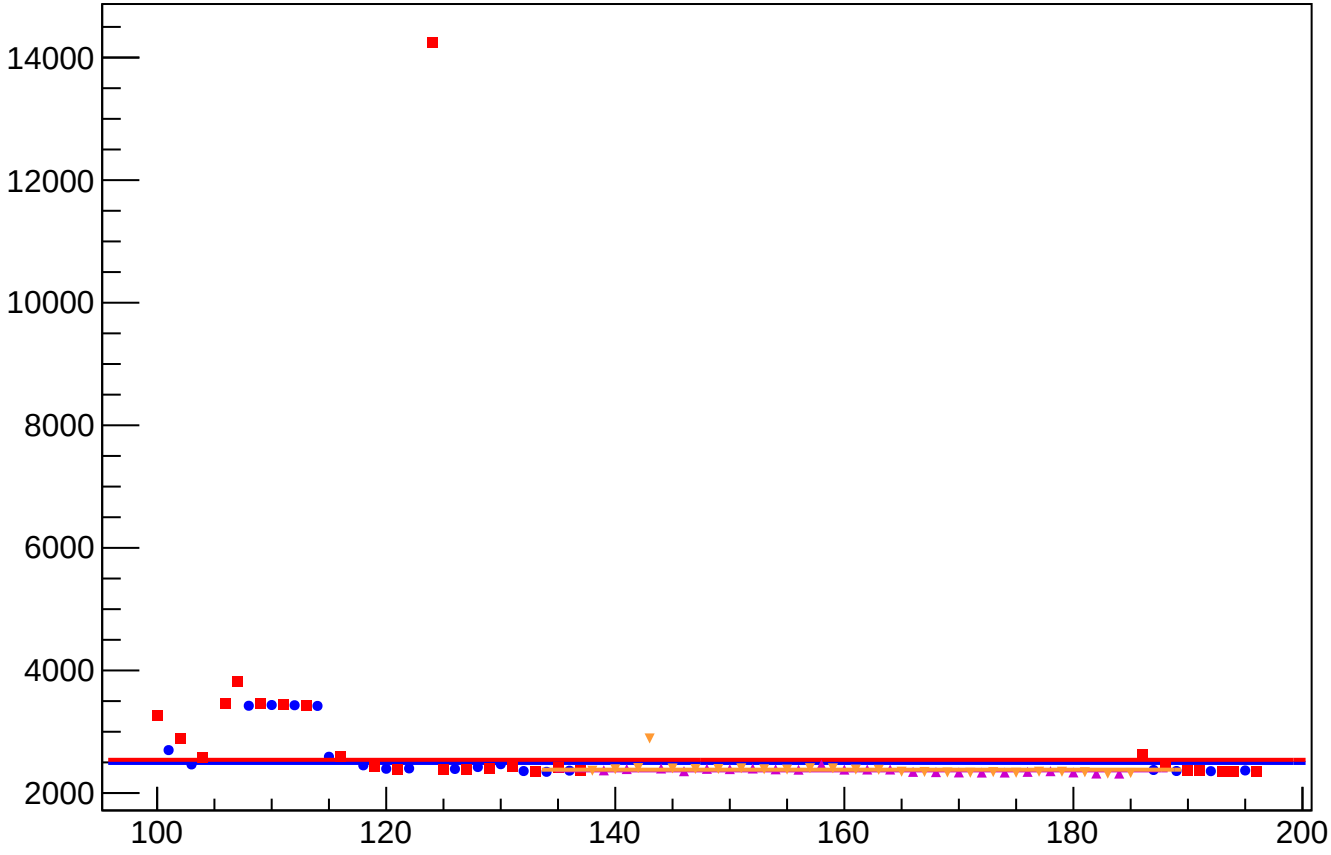
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.393+/-448.325 χ^2/NDF: 38.9/44

All: -181.261+/-315.520 χ^2/NDF: 112.2/93

- sign -1665.745+/-444.131 χ^2/NDF: 50.8/48

cor_asym_atl1_rms vs Slug



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2542.165+/-0.527 χ^2/NDF: 602259.1/25

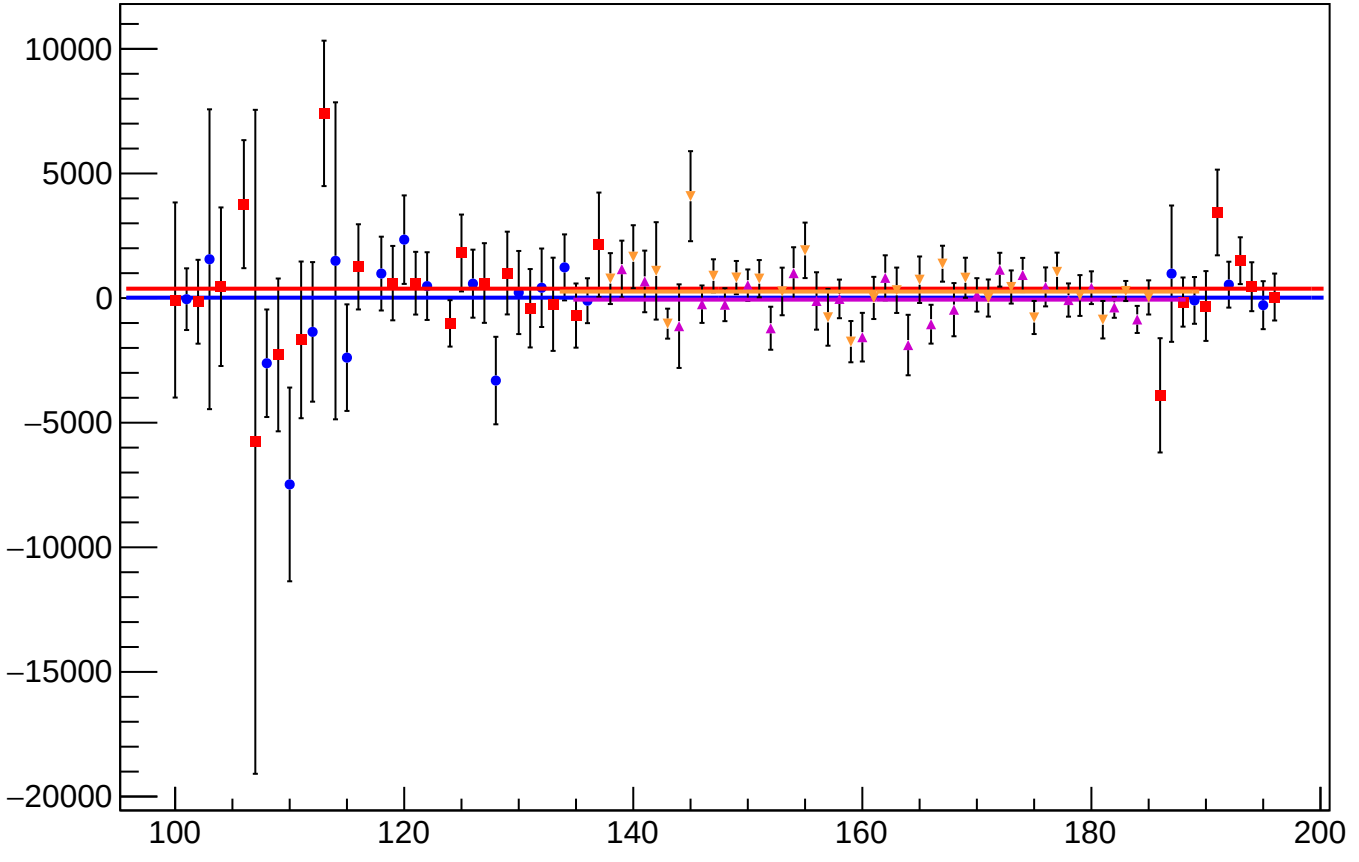
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2423.319+/-0.223 χ^2/NDF: 1010283.7/93

- sign 2430.821+/-0.314 χ^2/NDF: 678652.2/48

asym_atl1_cor_correction_mean vs Slug



Right In: 17.072+/-322.711 χ^2/NDF: 14.4/19

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 378.030+/-293.131 χ^2/NDF: 23.2/25

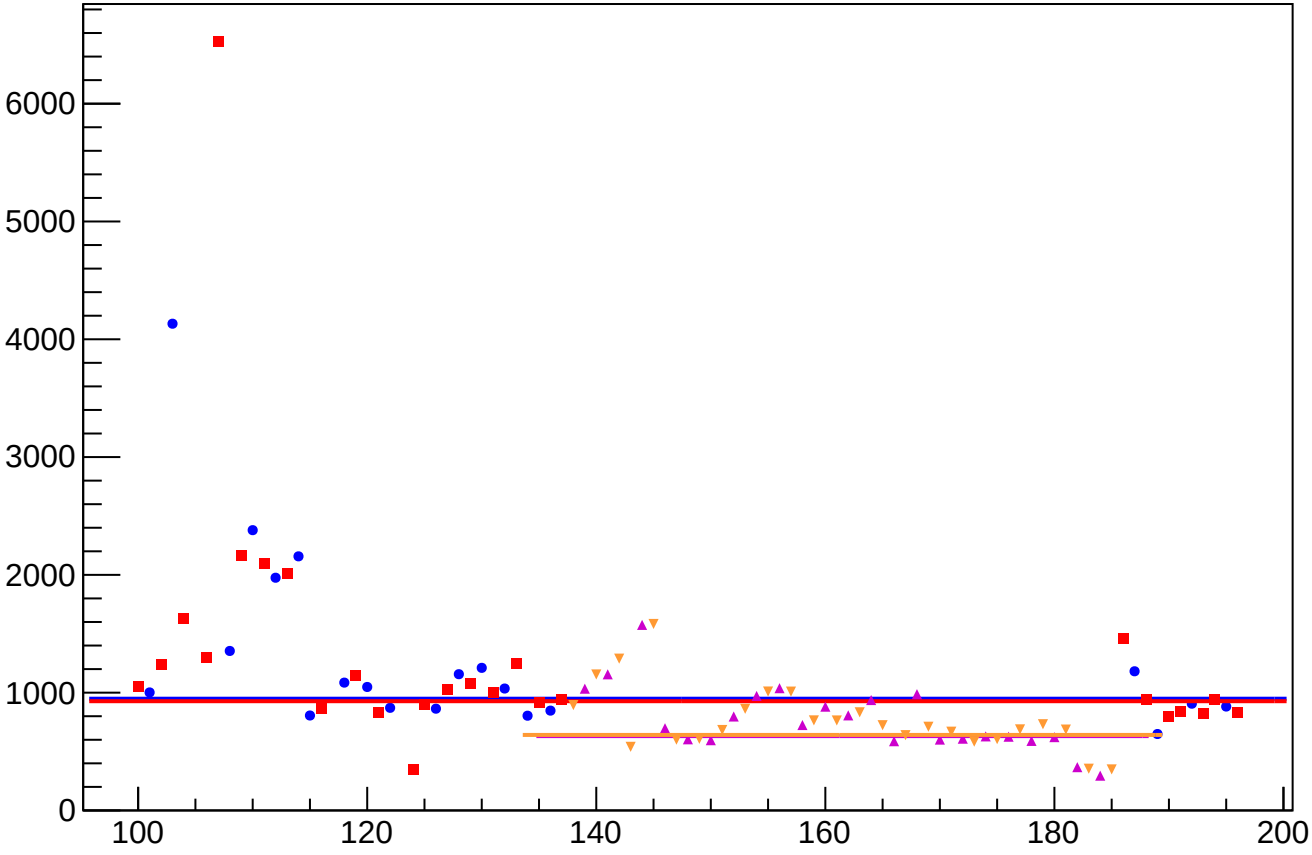
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 216.694+/-138.994 χ^2/NDF: 45.9/44

All: 126.381+/-98.168 χ^2/NDF: 93.7/93

\- sign 36.490+/-138.668 χ^2/NDF: 46.9/48

asym_atl1_cor_correction_rms vs Slug



Right In: 948.610+/-0.228 χ^2/NDF: 1658076.9/19

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 927.453+/-0.207 χ^2/NDF: 2535247.3/25

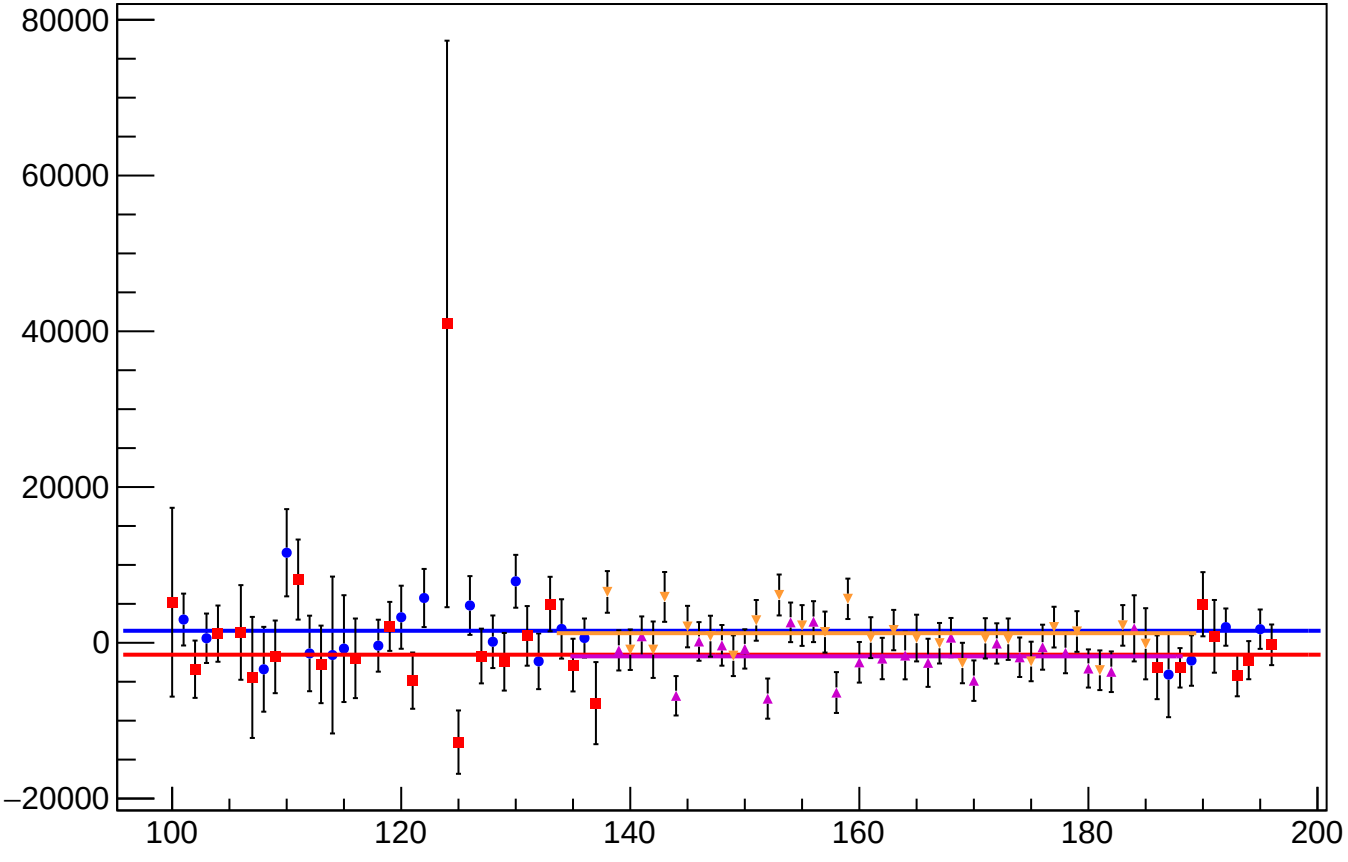
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.202+/-0.098 χ^2/NDF: 6611127.4/44

All: 697.847+/-0.069 χ^2/NDF: 14707676.3/93

- sign 697.494+/-0.098 χ^2/NDF: 8096522.8/48

eigen_cor_asym_atl1_mean vs Slug



Right In: 1542.631+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1527.937+/-744.810 χ^2/NDF: 26.4/25

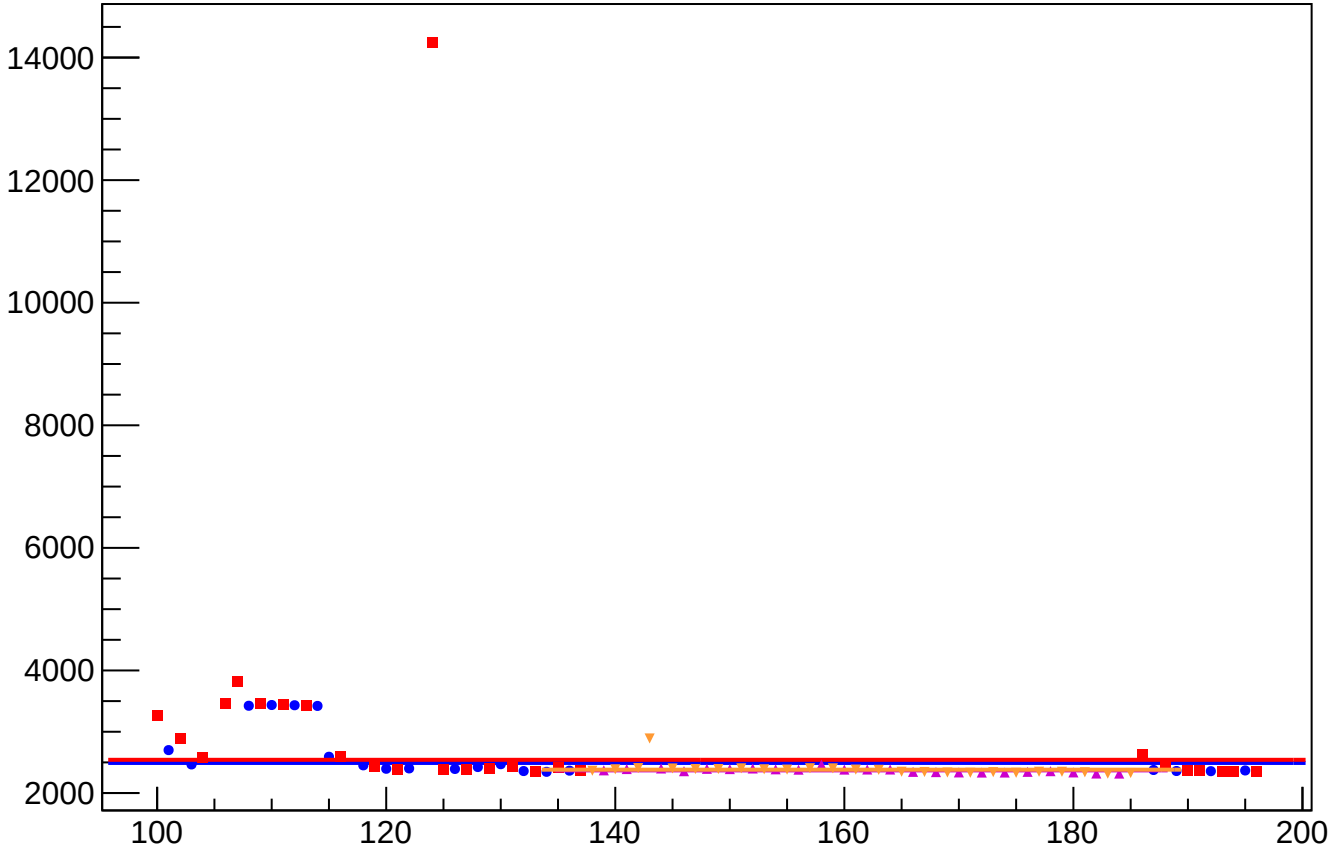
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.393+/-448.325 χ^2/NDF: 38.9/44

All: -181.261+/-315.520 χ^2/NDF: 112.2/93

- sign -1665.745+/-444.131 χ^2/NDF: 50.8/48

eigen_cor_asym_atl1_rms vs Slug



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2542.165+/-0.527 χ^2/NDF: 602259.1/25

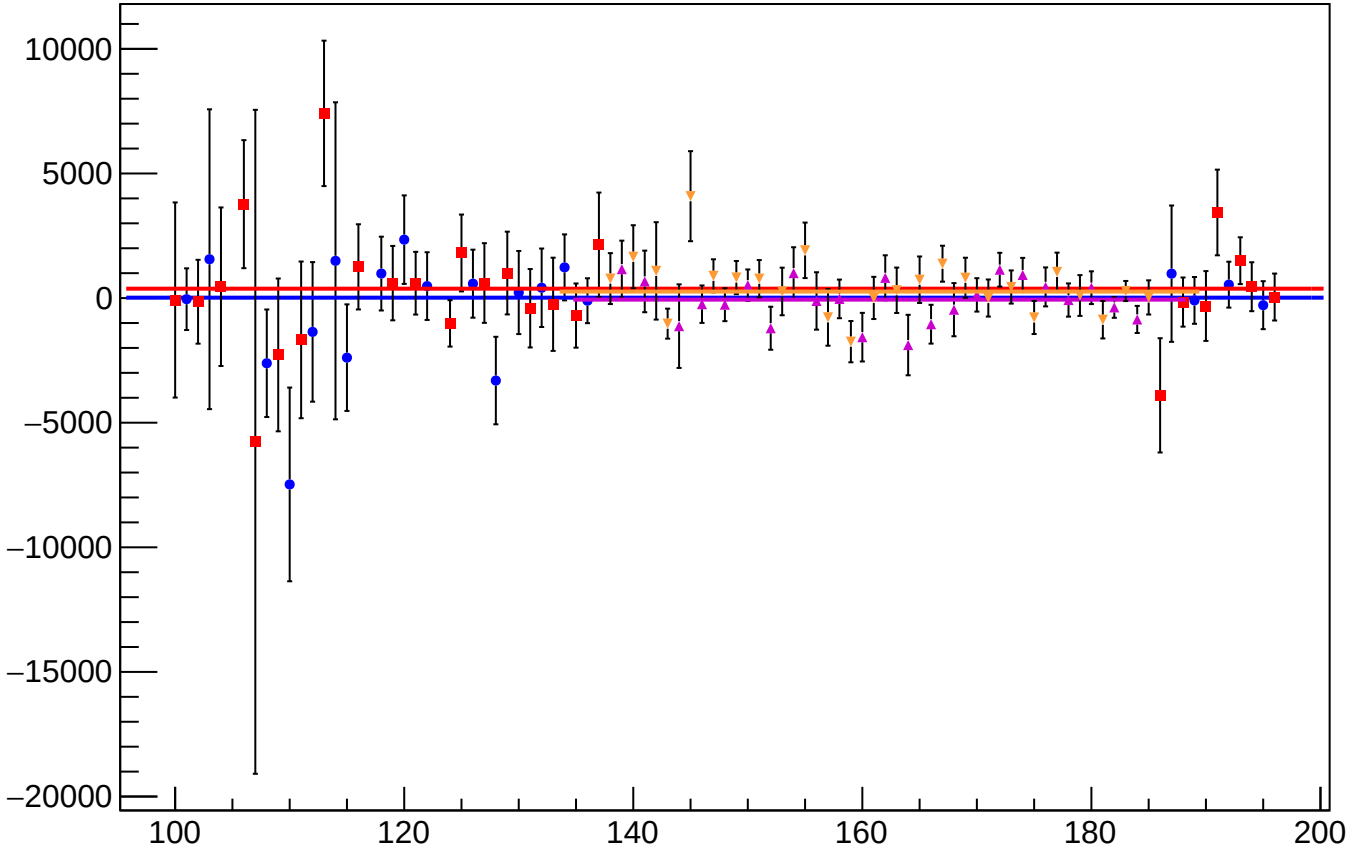
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2423.319+/-0.223 χ^2/NDF: 1010283.7/93

- sign 2430.821+/-0.314 χ^2/NDF: 678652.2/48

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 17.072+/-322.711 χ^2/NDF: 14.4/19

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 378.030+/-293.131 χ^2/NDF: 23.2/25

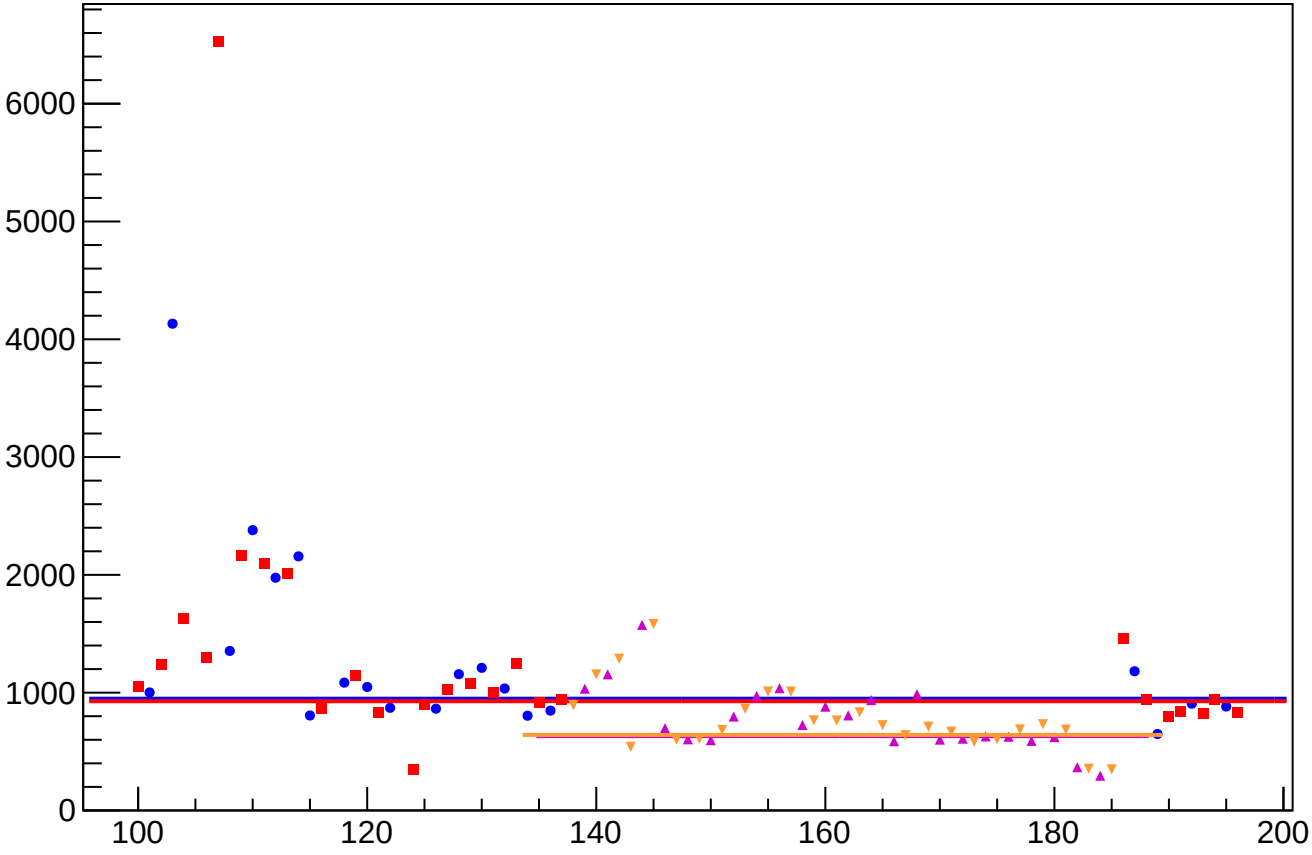
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 216.694+/-138.994 χ^2/NDF: 45.9/44

All: 126.381+/-98.168 χ^2/NDF: 93.7/93

\- sign 36.490+/-138.668 χ^2/NDF: 46.9/48

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 948.610+/-0.228 χ^2/NDF: 1658076.9/19

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 927.453+/-0.207 χ^2/NDF: 2535247.3/25

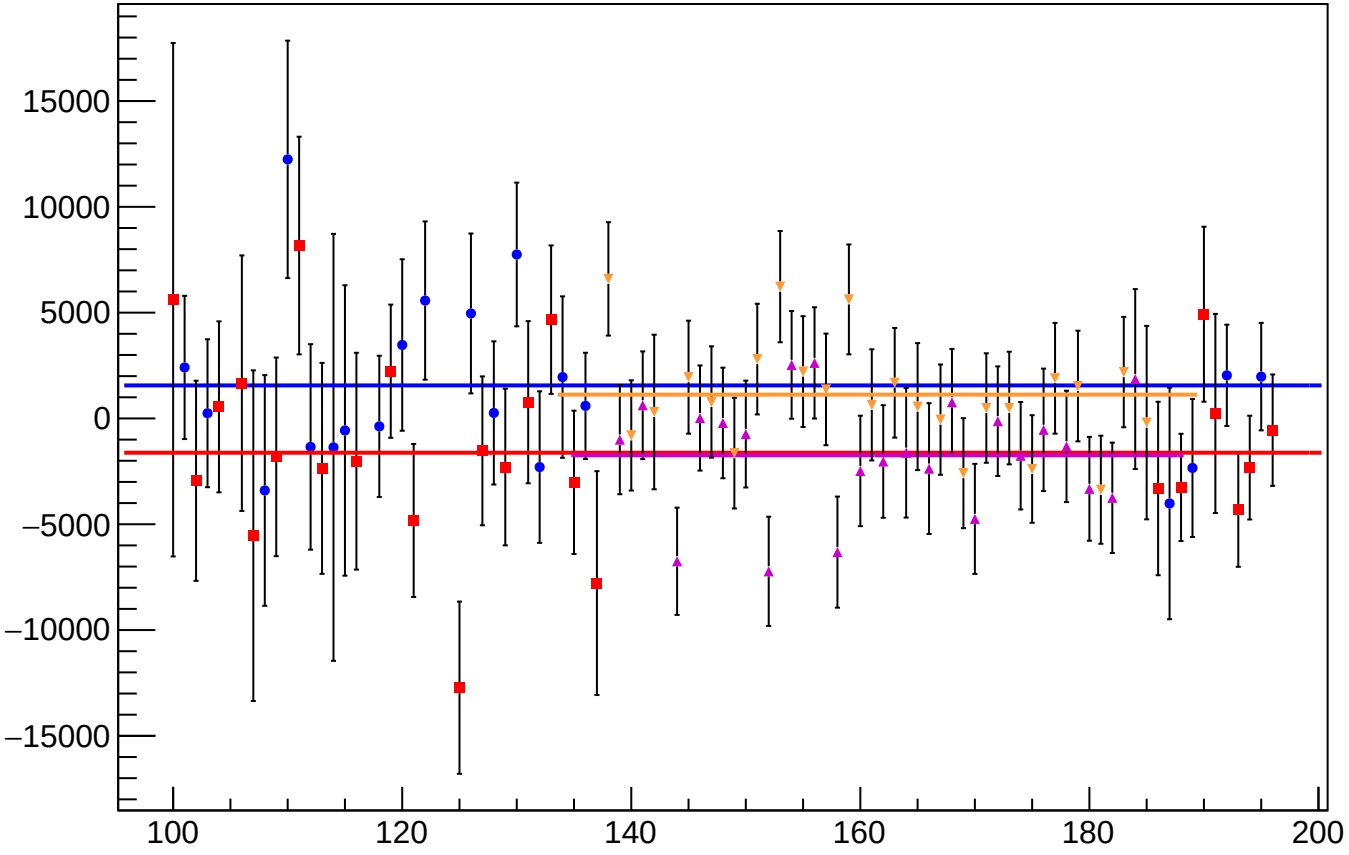
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.202+/-0.098 χ^2/NDF: 6611127.4/44

All: 697.847+/-0.069 χ^2/NDF: 14707676.3/93

- sign 697.494+/-0.098 χ^2/NDF: 8096522.8/48

dit_asym_atl1_mean vs Slug



Right In: 1560.837+/-806.612 χ^2/NDF: 15.0/19

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1619.591+/-755.880 χ^2/NDF: 24.3/24

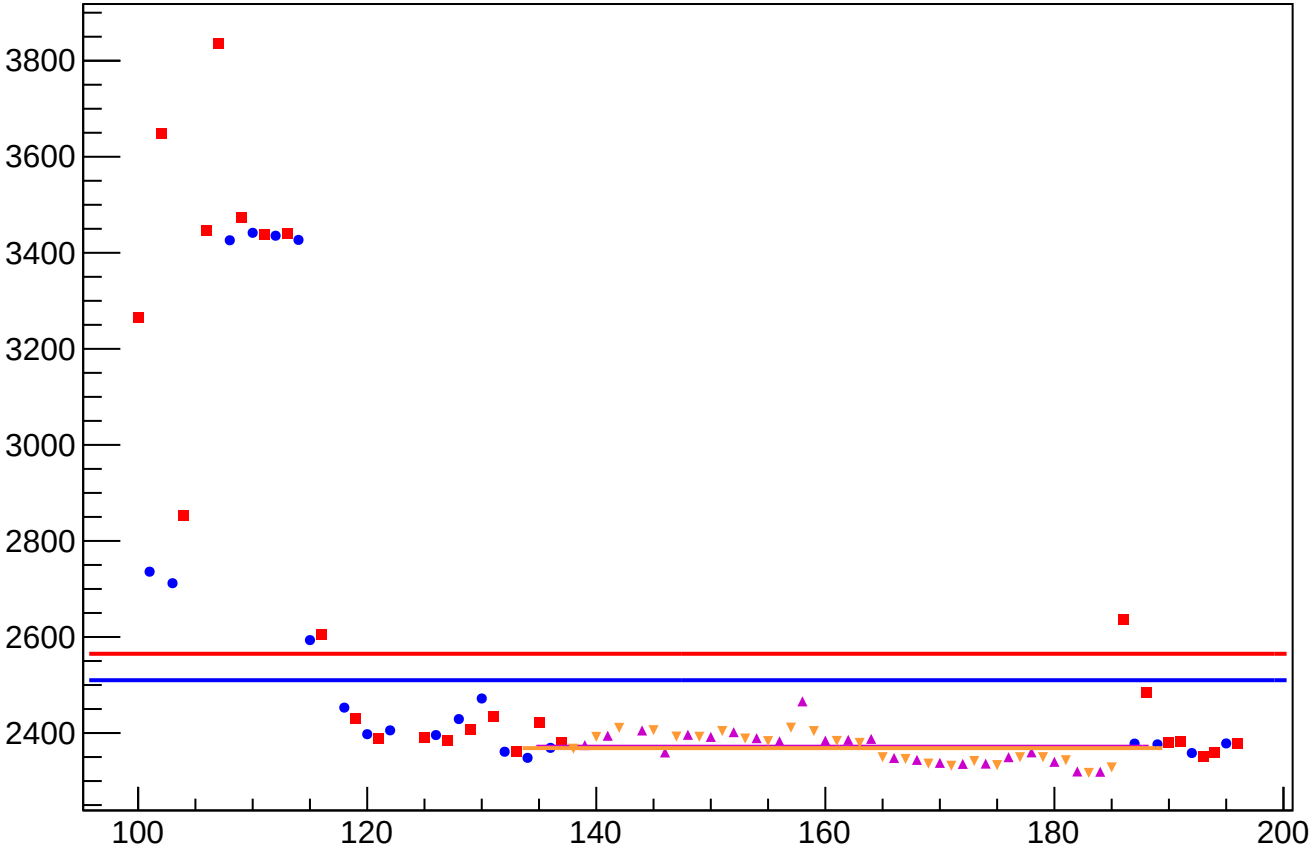
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1263.651+/-454.322 χ^2/NDF: 36.4/43

All: -242.935+/-318.528 χ^2/NDF: 106.2/91

- sign -1699.446+/-446.708 χ^2/NDF: 48.1/47

dit_asym_atl1_rms vs Slug



Right In: 2509.976+/-0.570 χ^2/NDF: 254976.8/19

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2565.021+/-0.534 χ^2/NDF: 494537.0/24

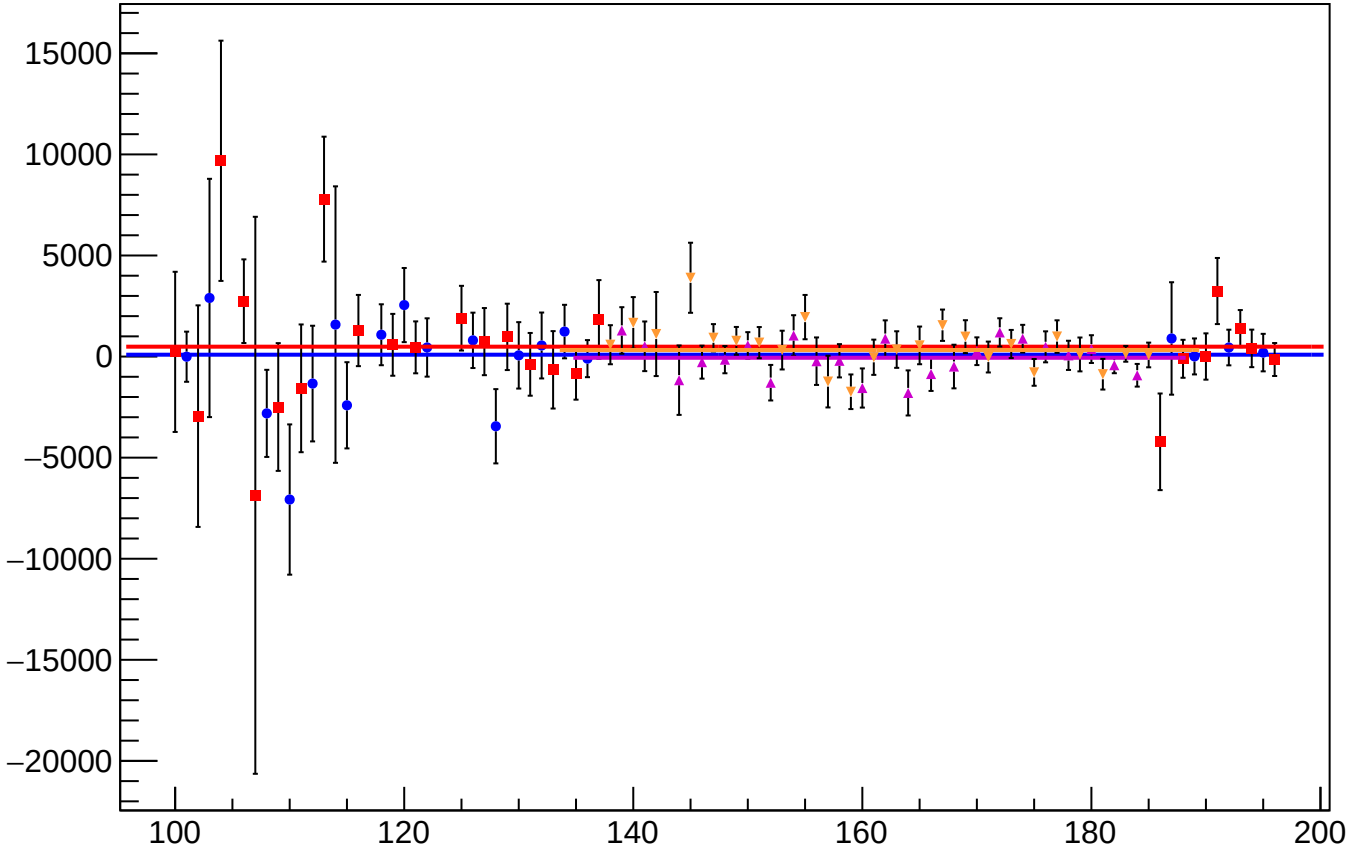
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.430+/-0.321 χ^2/NDF: 302514.7/43

All: 2426.482+/-0.225 χ^2/NDF: 892644.7/91

- sign 2439.100+/-0.316 χ^2/NDF: 586883.5/47

asym_atl1_dit_correction_mean vs Slug



Right In: 92.432+/-320.661 χ^2/NDF: 14.8/19

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 489.271+/-301.305 χ^2/NDF: 23.4/24

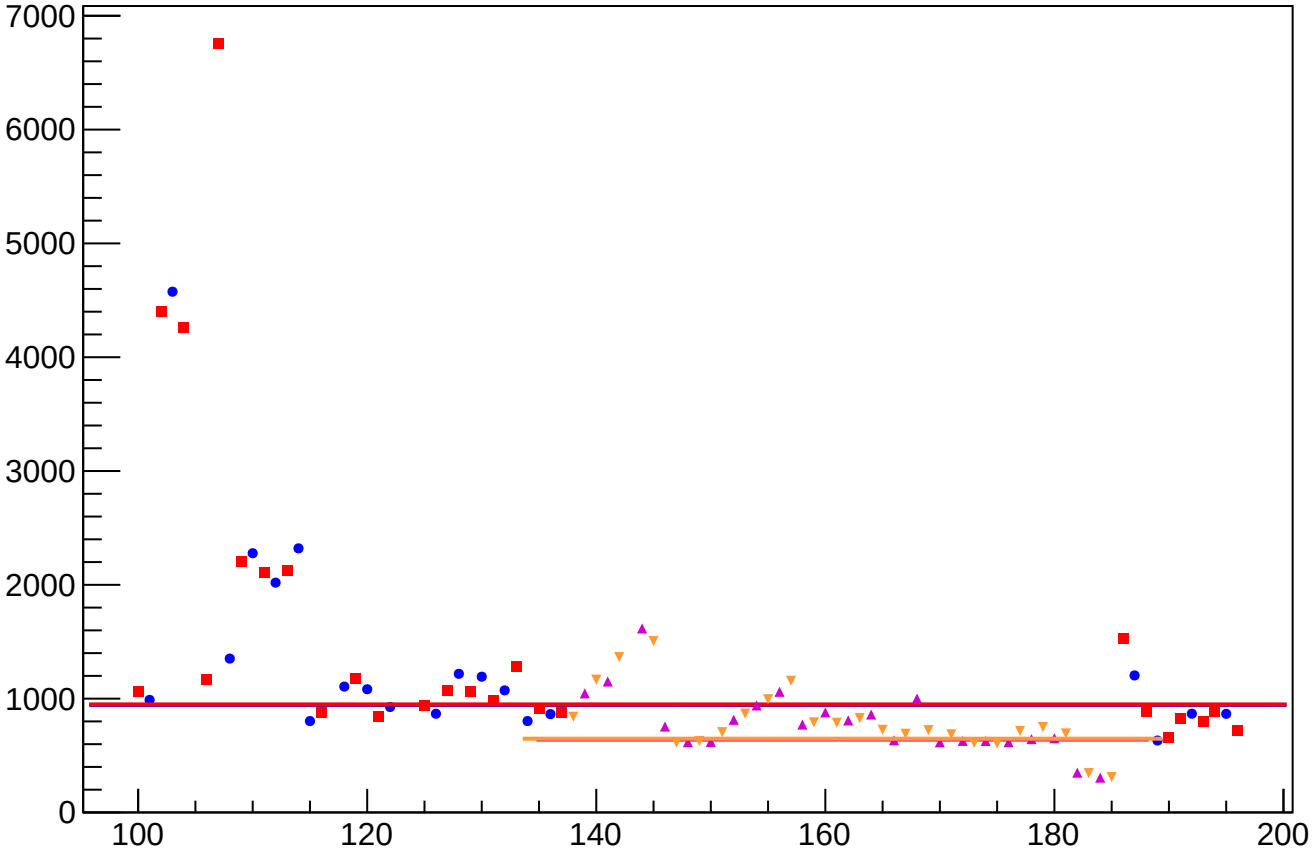
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 279.385+/-143.197 χ^2/NDF: 42.0/43

All: 168.430+/-100.500 χ^2/NDF: 91.9/91

- sign 60.726+/-141.084 χ^2/NDF: 48.7/47

asym_atl1_dit_correction_rms vs Slug



Right In: 944.964+/-0.227 χ^2/NDF: 1937643.0/19

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

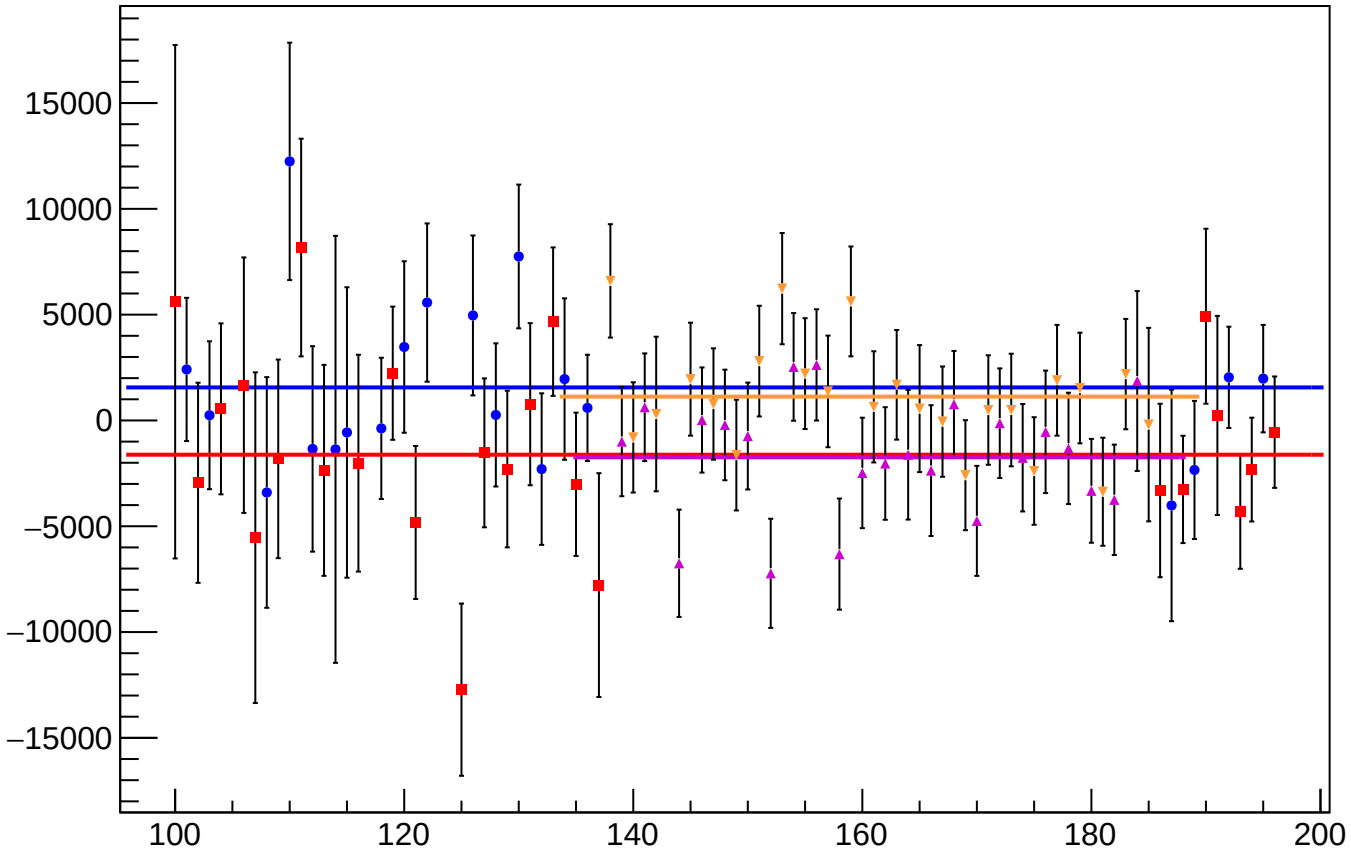
Right Out: 949.076+/-0.213 χ^2/NDF: 3300573.7/24

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 707.302+/-0.101 χ^2/NDF: 7196958.1/43

All: 707.704+/-0.071 χ^2/NDF: 16264919.0/91

- sign 708.095+/-0.100 χ^2/NDF: 9067929.8/47



Right In: 1560.834+/-806.612 χ^2/NDF: 15.0/19

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1619.589+/-755.880 χ^2/NDF: 24.3/24

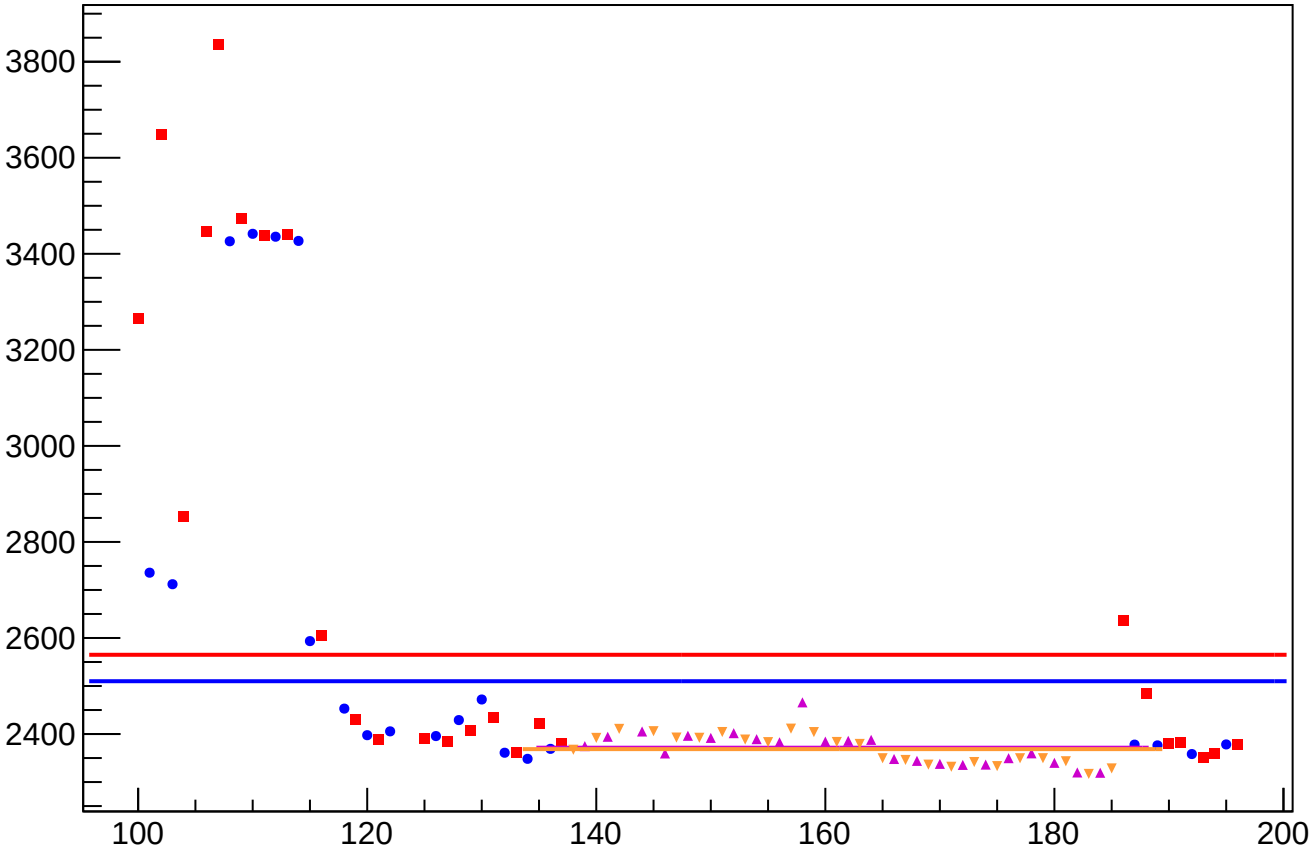
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1263.651+/-454.322 χ^2/NDF: 36.4/43

All: -242.935+/-318.528 χ^2/NDF: 106.2/91

- sign -1699.446+/-446.708 χ^2/NDF: 48.1/47

eigen_dit_asym_atl1_rms vs Slug



Right In: 2509.975+/-0.570 χ^2/NDF: 254976.4/19

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2565.021+/-0.534 χ^2/NDF: 494536.3/24

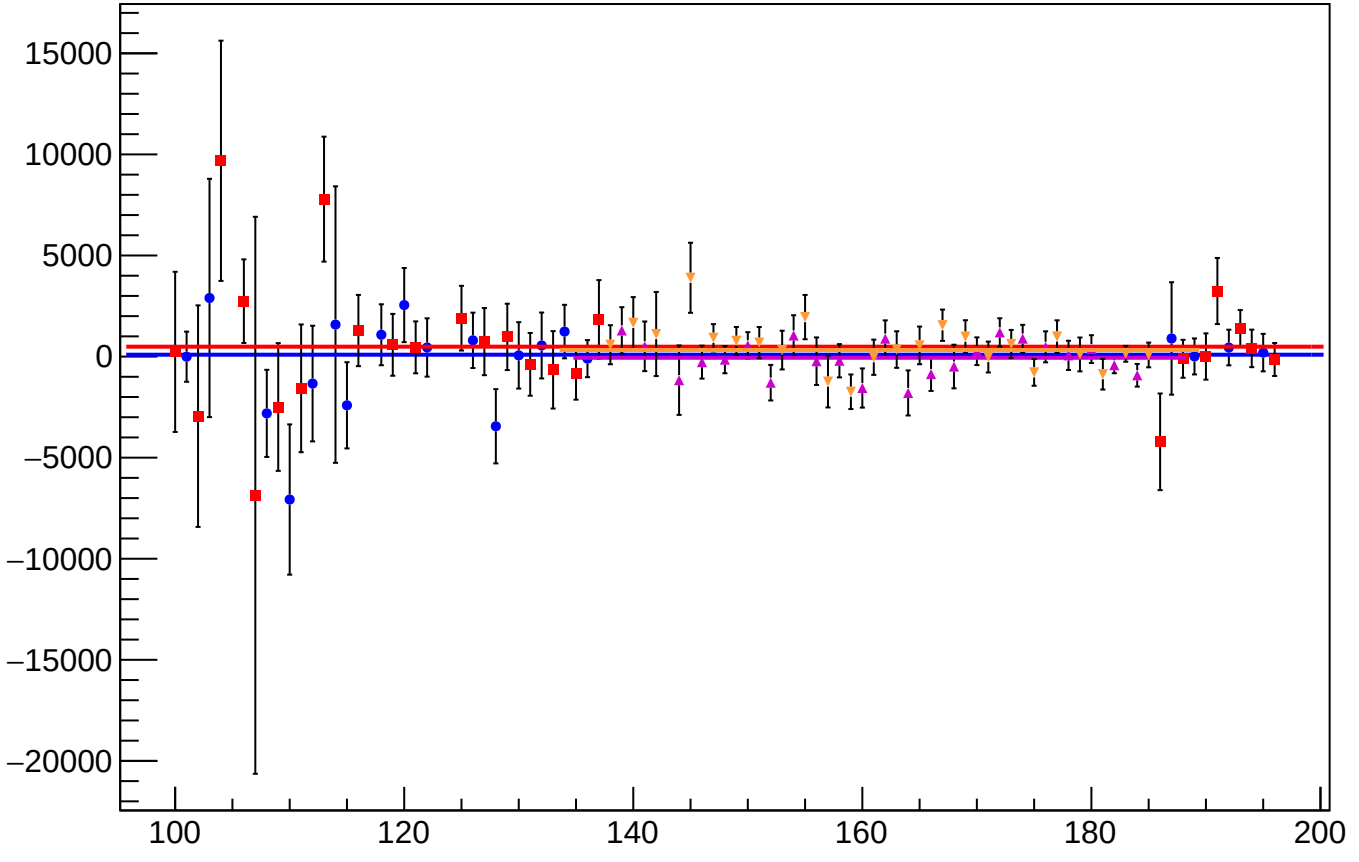
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.430+/-0.321 χ^2/NDF: 302514.2/43

All: 2426.482+/-0.225 χ^2/NDF: 892643.2/91

- sign 2439.100+/-0.316 χ^2/NDF: 586882.6/47

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 92.430+/-320.660 χ^2/NDF: 14.8/19

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 489.271+/-301.305 χ^2/NDF: 23.4/24

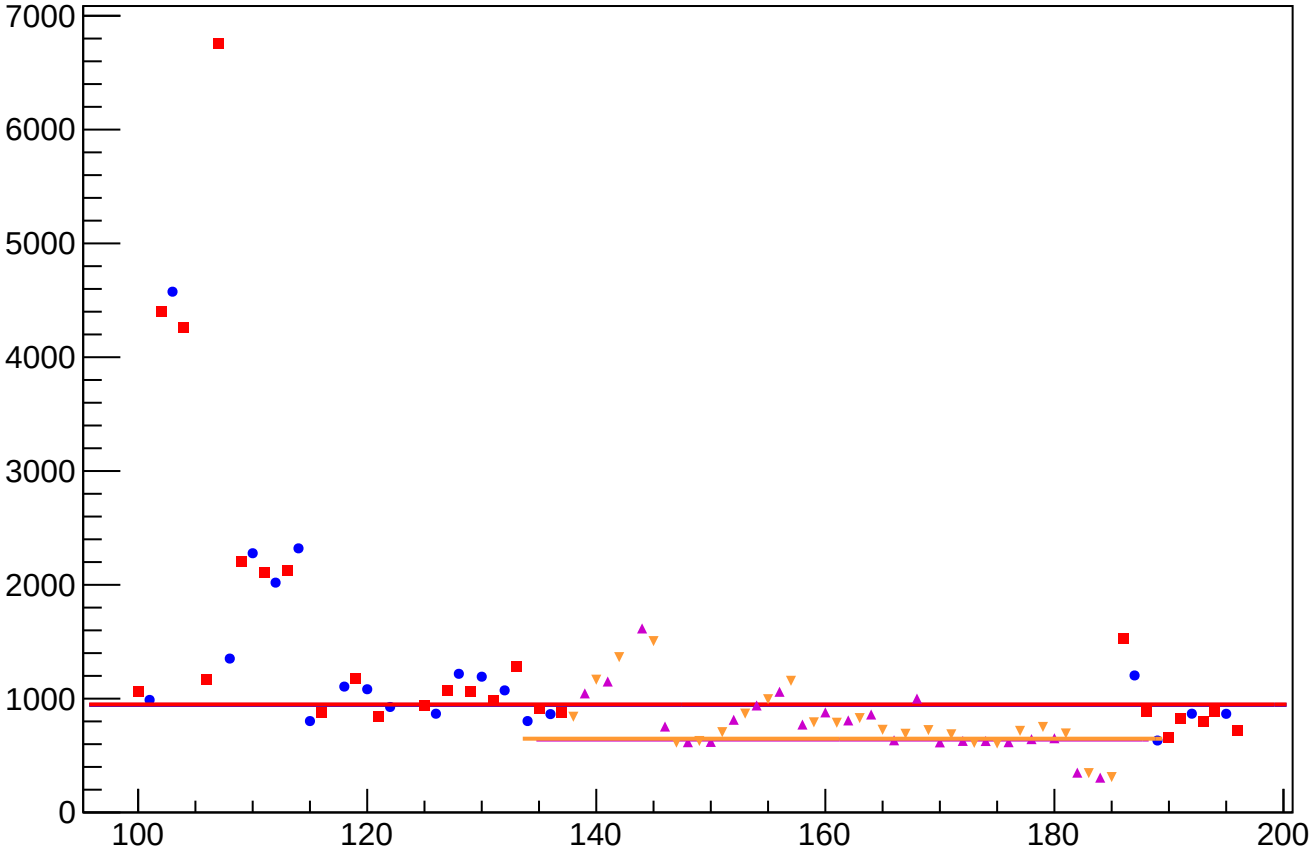
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 279.384+/-143.197 χ^2/NDF: 42.0/43

All: 168.430+/-100.500 χ^2/NDF: 91.9/91

- sign 60.726+/-141.084 χ^2/NDF: 48.7/47

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 944.964+/-0.227 χ^2/NDF: 1937641.2/19

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.075+/-0.213 χ^2/NDF: 3300572.1/24

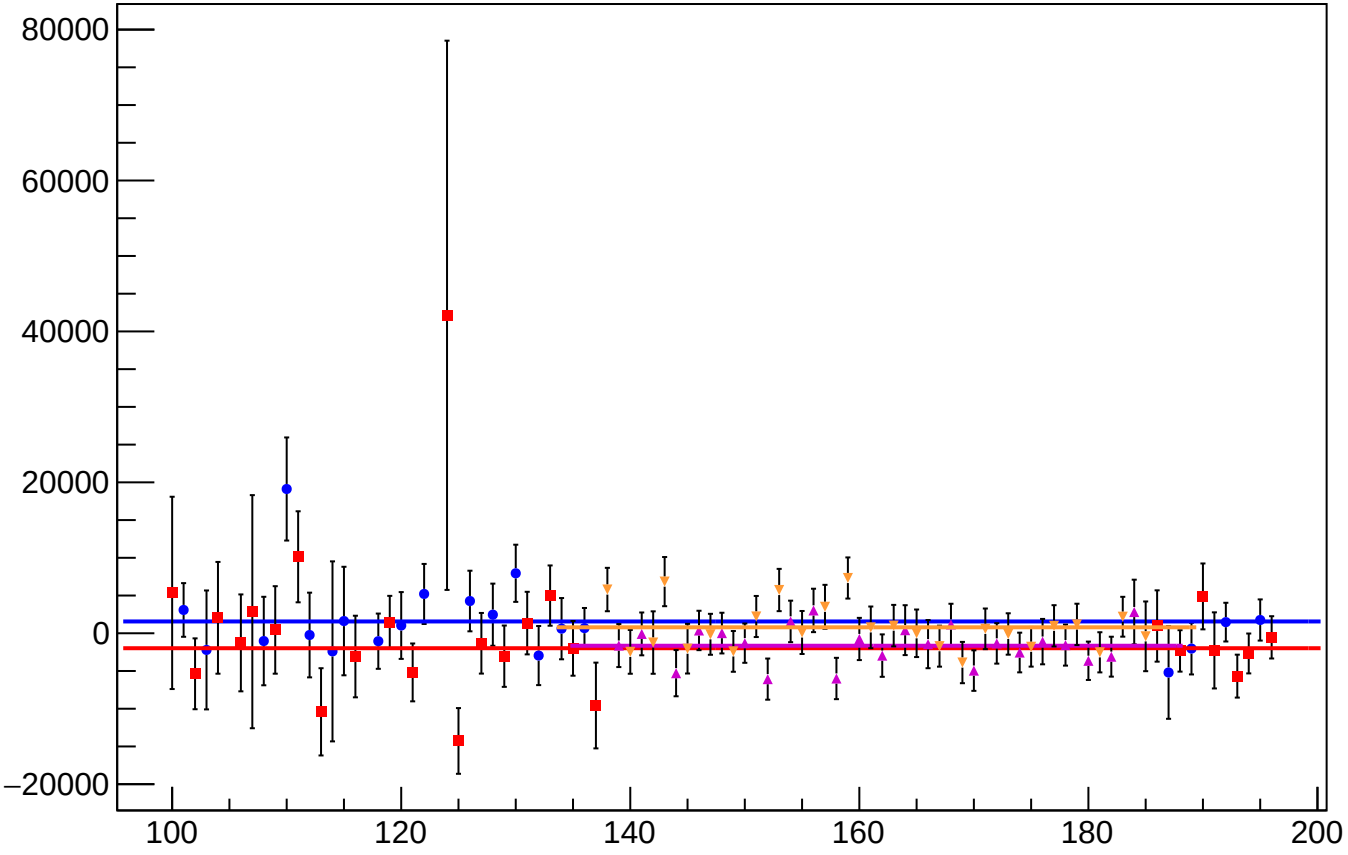
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 707.303+/-0.101 χ^2/NDF: 7196955.6/43

All: 707.705+/-0.071 χ^2/NDF: 16264918.2/91

- sign 708.095+/-0.100 χ^2/NDF: 9067931.5/47

asym_atl1_mean vs Slug



Right In: 1565.471+/-895.145 χ^2/NDF: 15.9/19

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1981.794+/-834.150 χ^2/NDF: 29.2/25

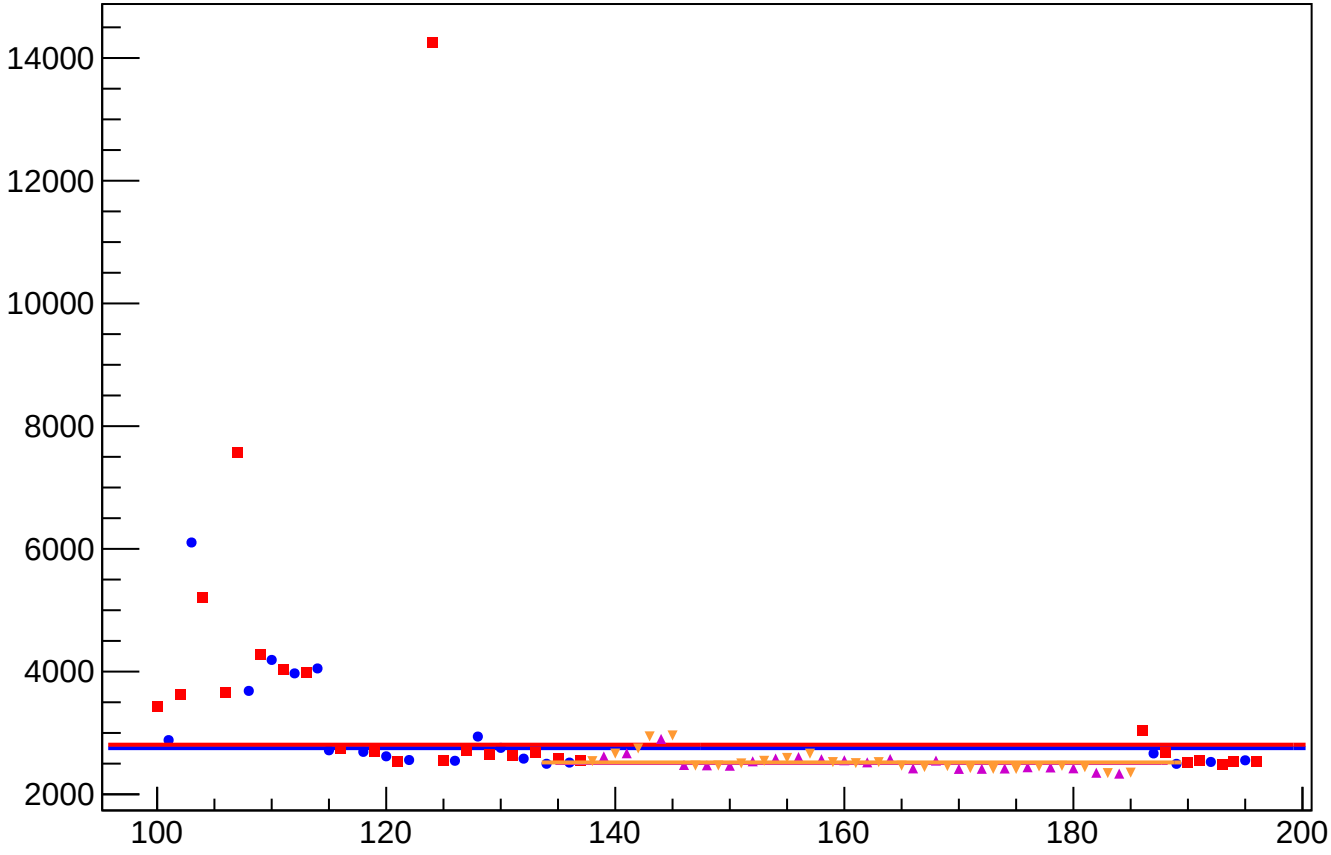
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1016.564+/-482.754 χ^2/NDF: 43.6/44

All: -381.354+/-340.354 χ^2/NDF: 106.9/93

- sign -1762.925+/-479.923 χ^2/NDF: 46.7/48

asym_atl1_rms vs Slug



Right In: 2752.372+/-0.633 χ^2/NDF: 703097.4/19

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2808.754+/-0.590 χ^2/NDF: 1121365.7/25

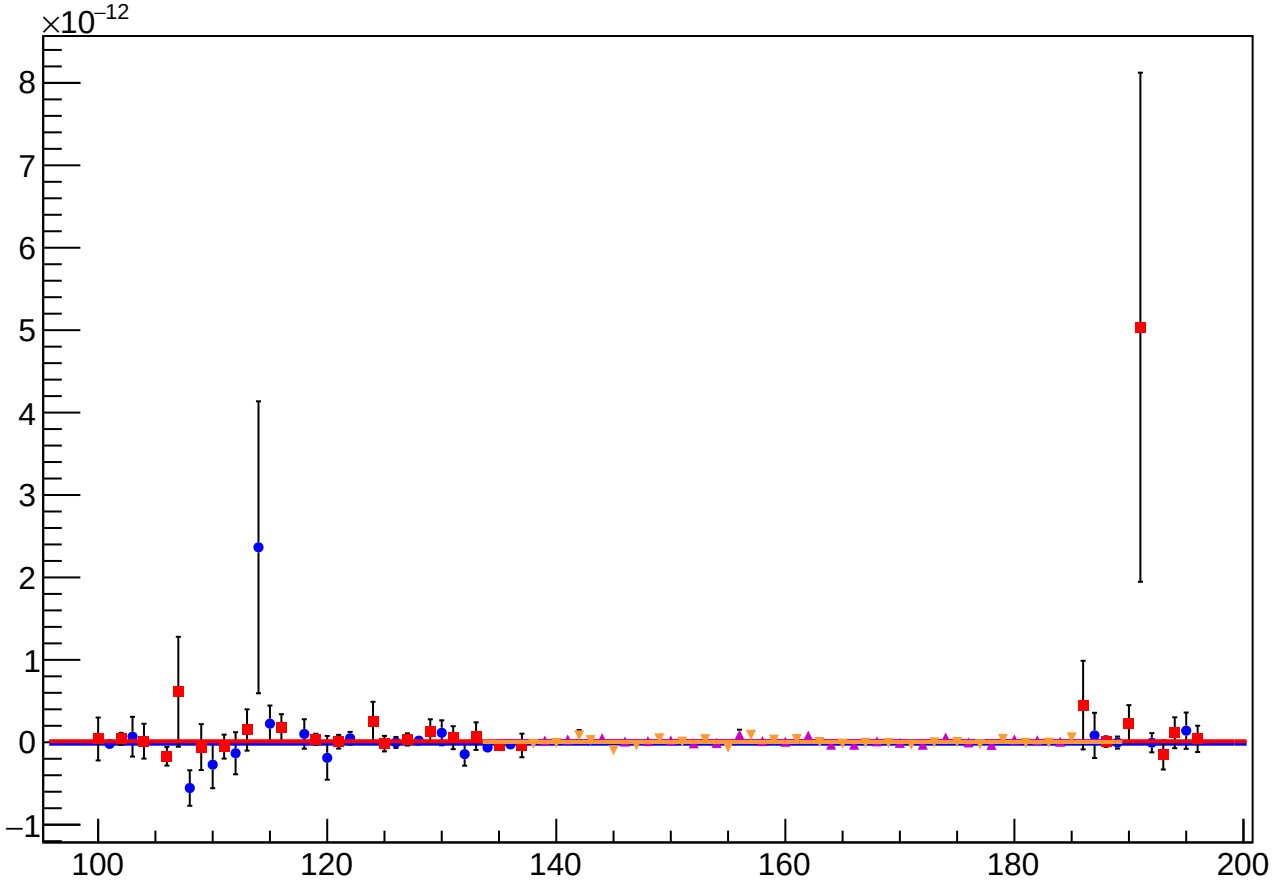
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2587.241+/-0.341 χ^2/NDF: 914276.8/44

All: 2598.184+/-0.241 χ^2/NDF: 2282903.7/93

- 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: 16.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/25

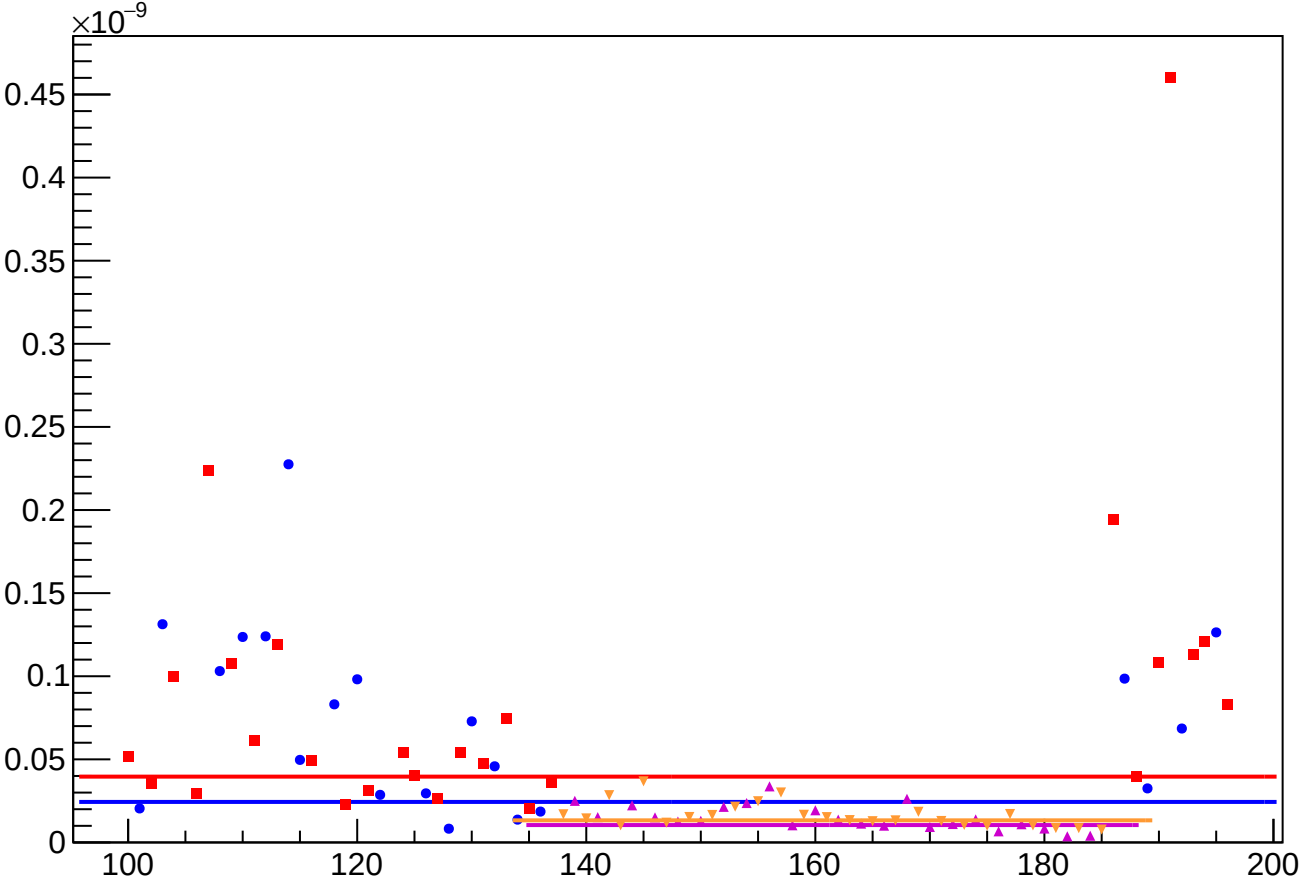
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/44

All: 0.000+/-0.000 χ^2/NDF: 95.1/93

- sign 0.000+/-0.000 χ^2/NDF: 46.0/48

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3266472.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2577459.5/25

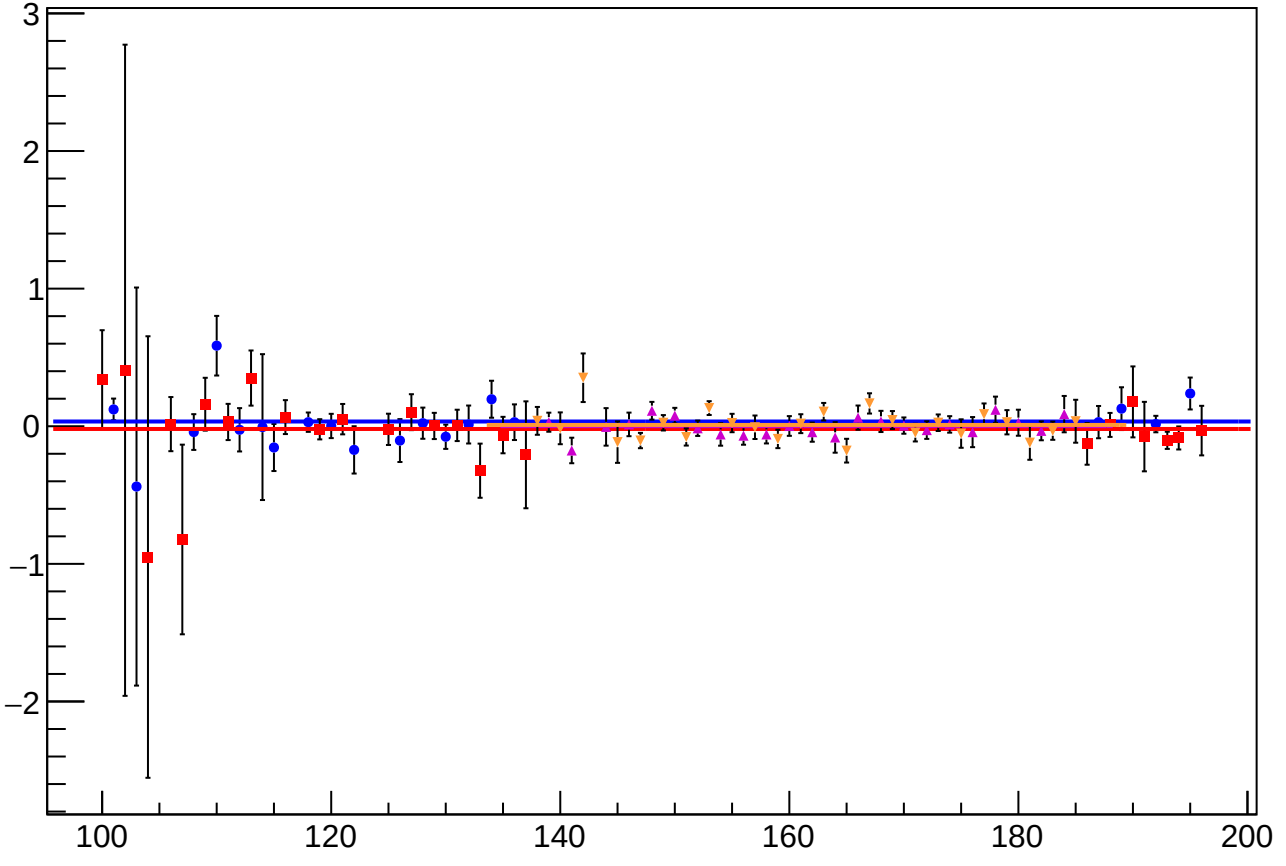
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5563185.8/44

All: 0.000+/-0.000 χ^2/NDF: 14547240.8/93

- sign 0.000+/-0.000 χ^2/NDF: 8707032.1/48

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

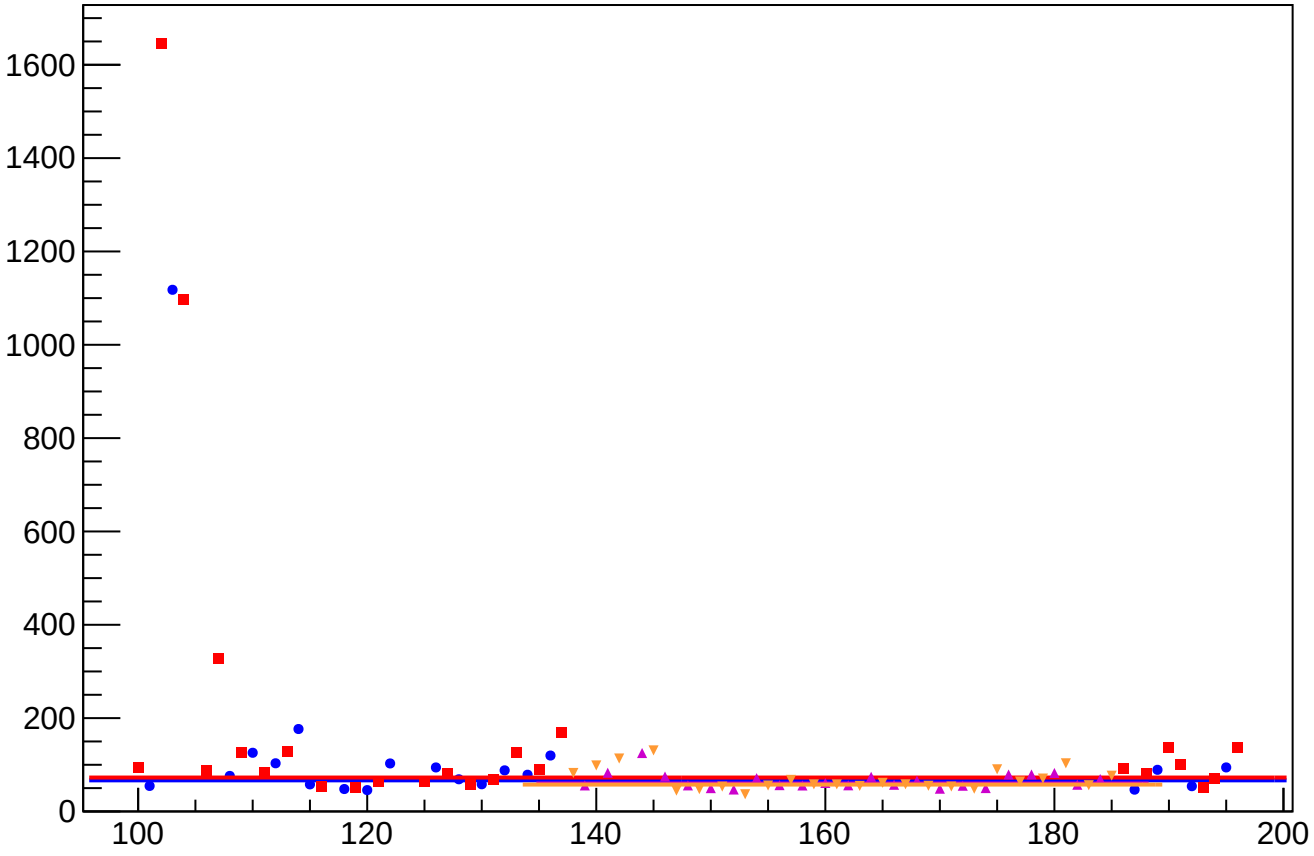
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.7/91

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 66.660+/-0.018 χ^2/NDF: 2586413.5/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 72.691+/-0.018 χ^2/NDF: 3624006.3/24

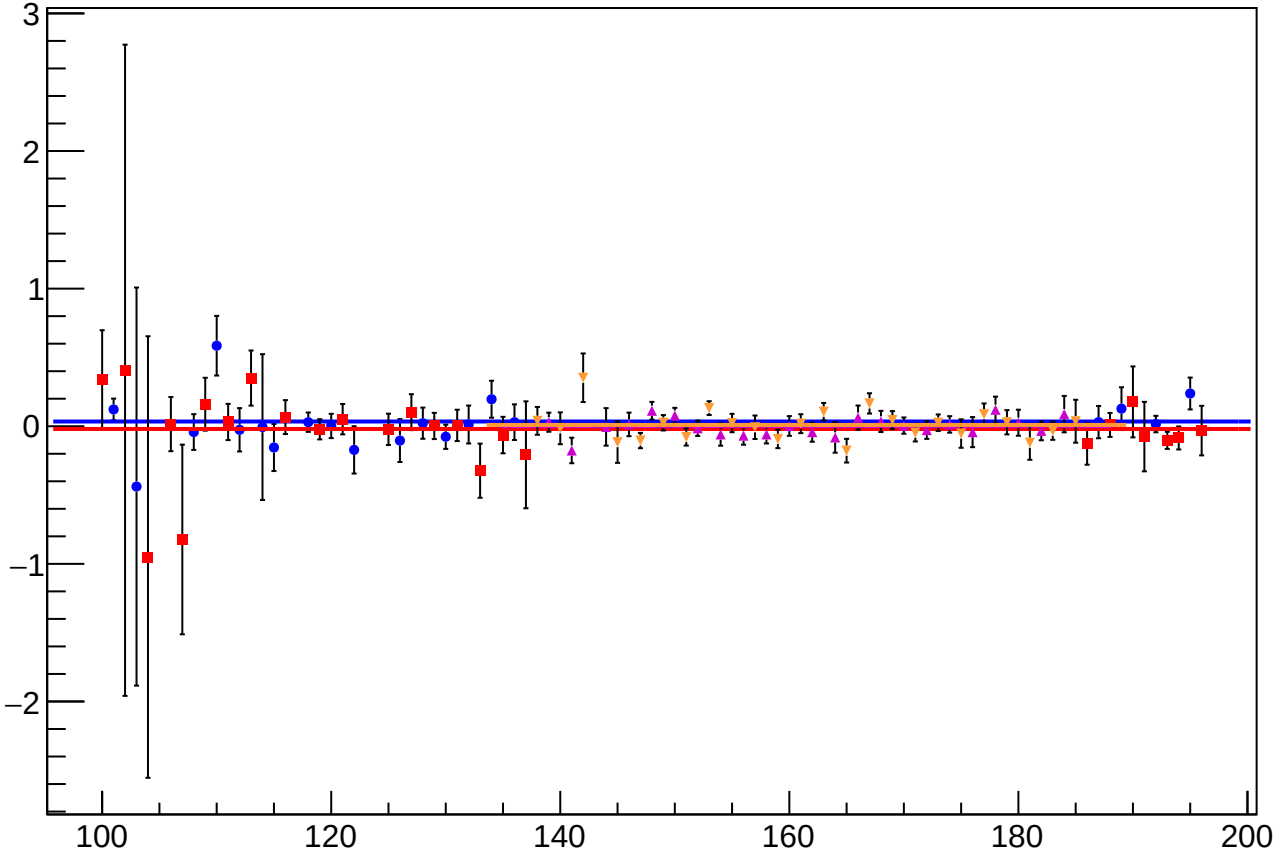
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988833.0/43

All: 61.600+/-0.007 χ^2/NDF: 10386626.1/91

- sign 63.281+/-0.009 χ^2/NDF: 5334828.1/47

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

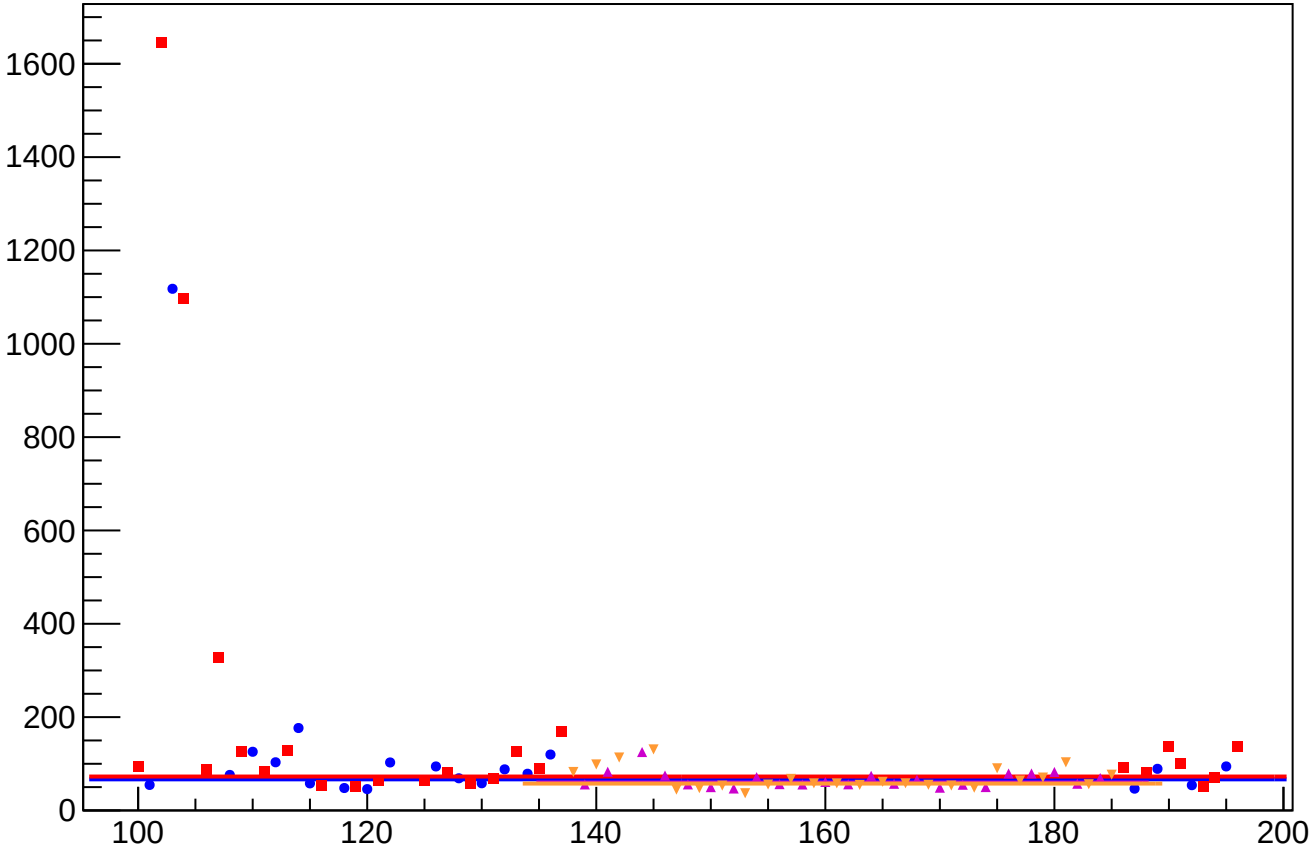
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.7/91

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.660+/-0.018 χ^2/NDF: 2586413.5/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 72.691+/-0.018 χ^2/NDF: 3624006.3/24

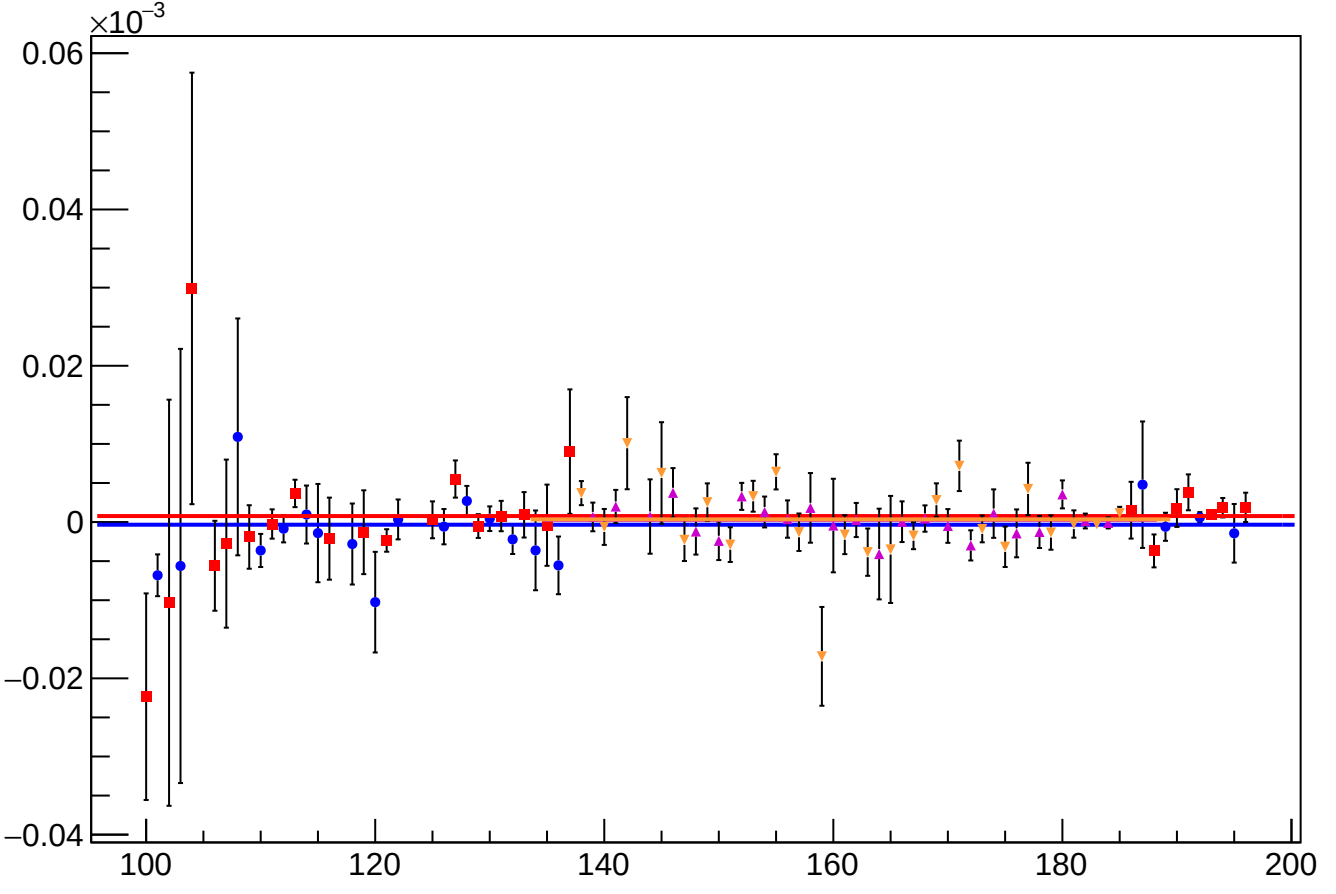
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988833.0/43

All: 61.600+/-0.007 χ^2/NDF: 10386626.1/91

- 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: 20.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

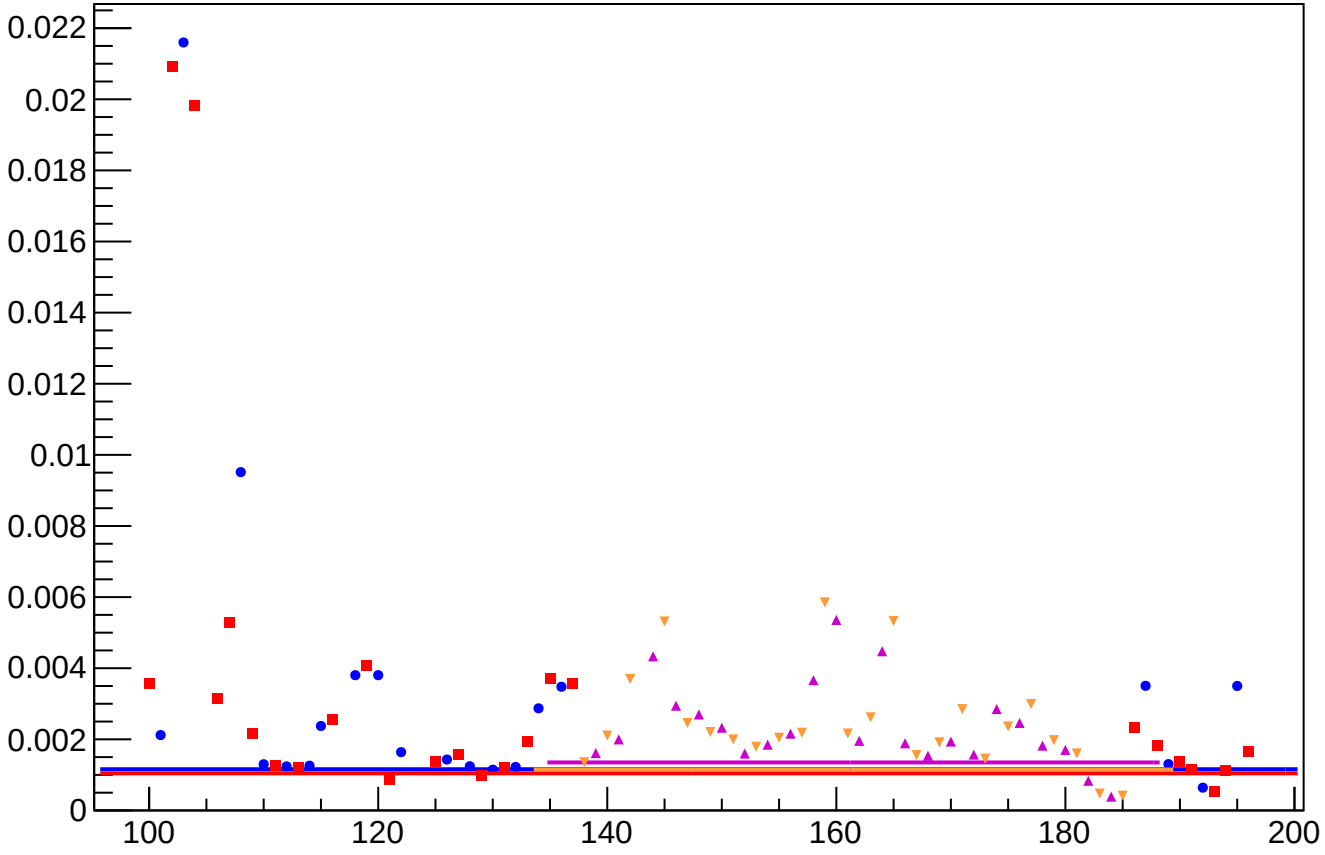
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/43

All: 0.000+/-0.000 χ^2/NDF: 113.1/91

- 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: 6120721.7/19

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7101609.0/24

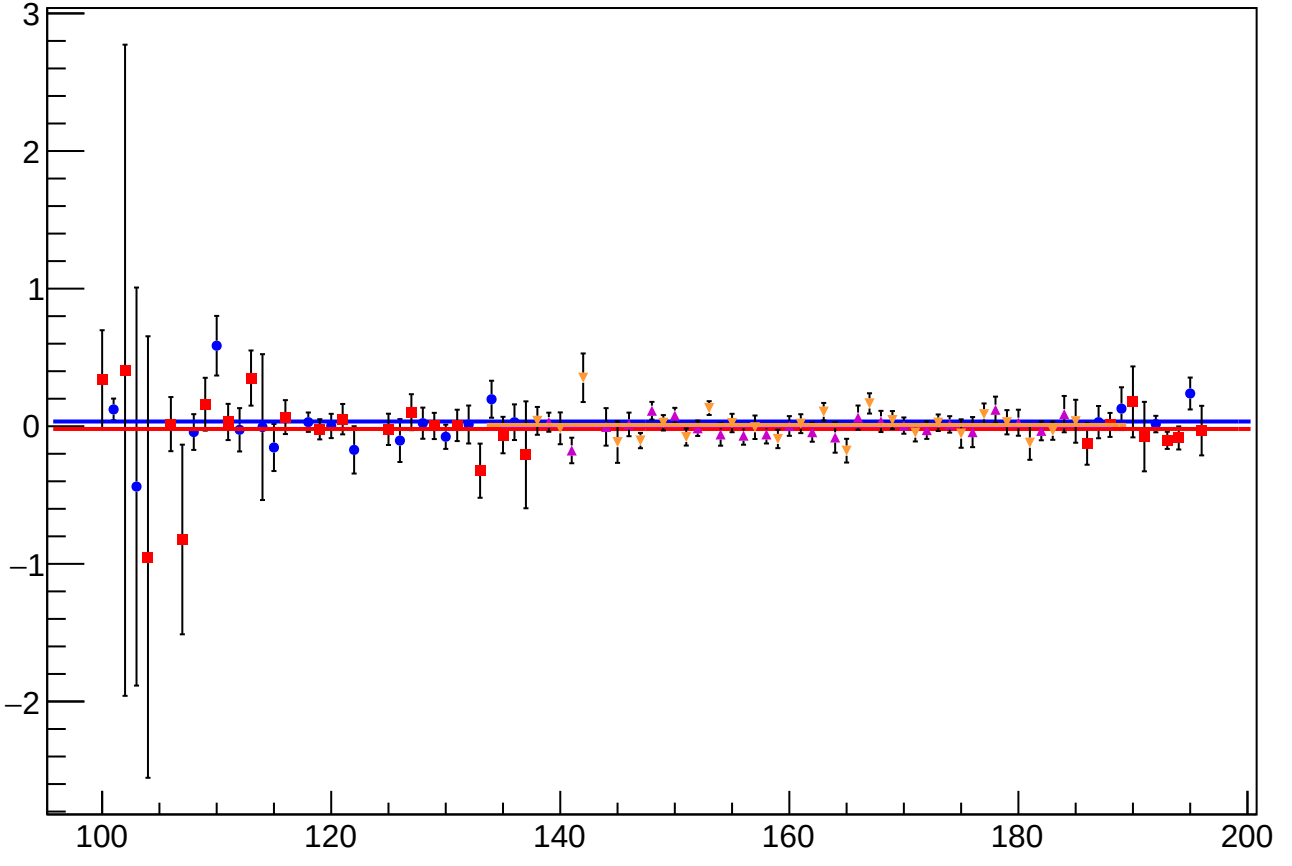
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19363464.1/43

All: 0.001+/-0.000 χ^2/NDF: 37382988.9/91

- sign 0.001+/-0.000 χ^2/NDF: 17994195.6/47

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

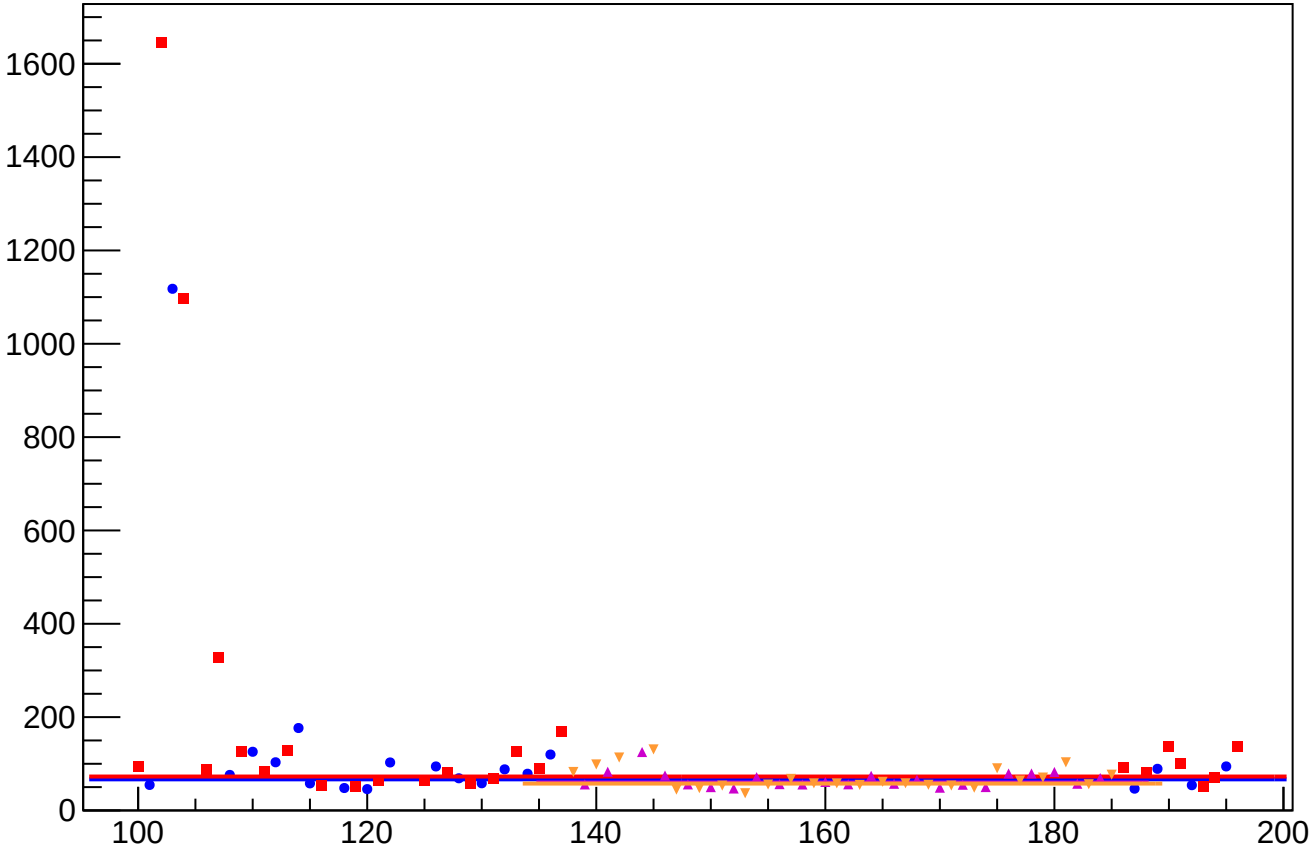
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.7/91

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.659+/-0.018 χ^2/NDF: 2586520.2/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 72.690+/-0.018 χ^2/NDF: 3624020.4/24

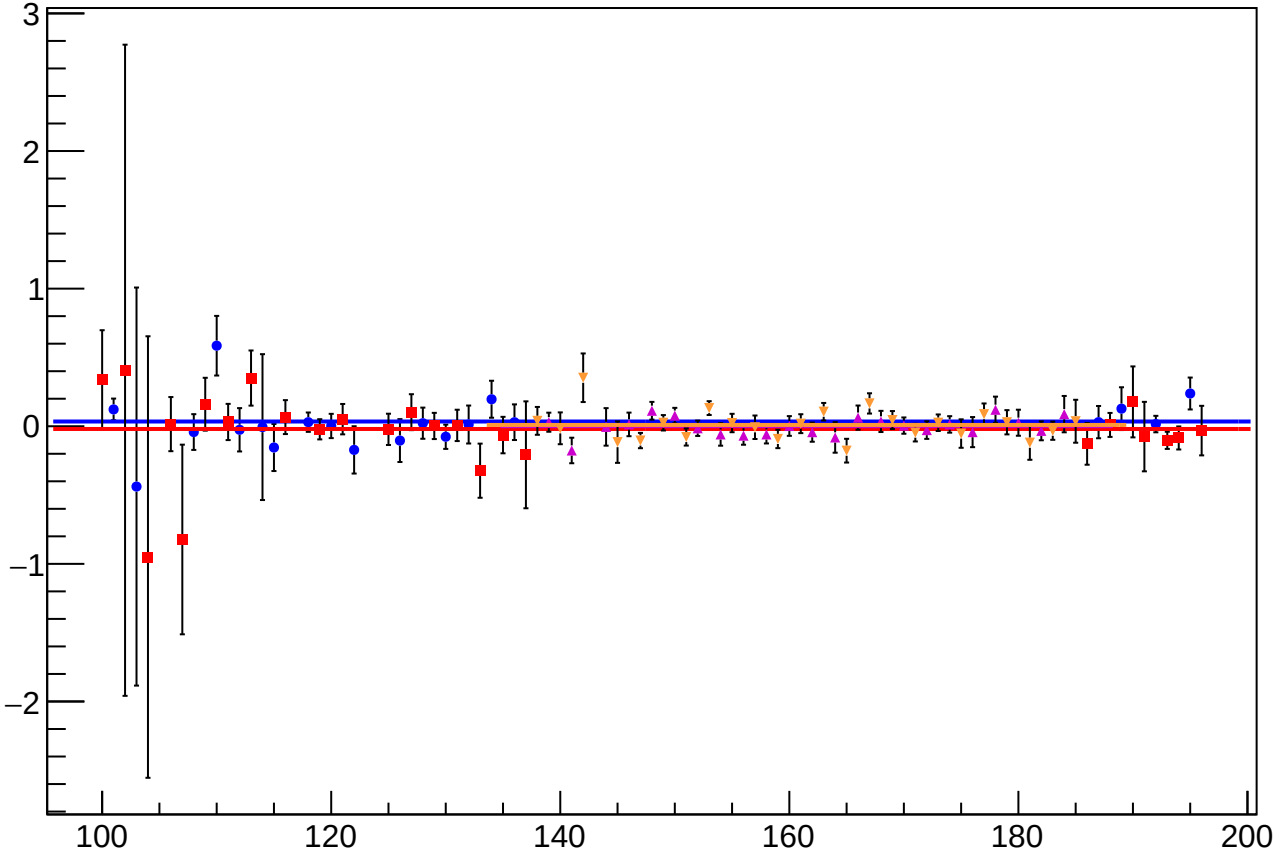
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988981.0/43

All: 61.600+/-0.007 χ^2/NDF: 10386750.1/91

- sign 63.281+/-0.009 χ^2/NDF: 5334795.2/47

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

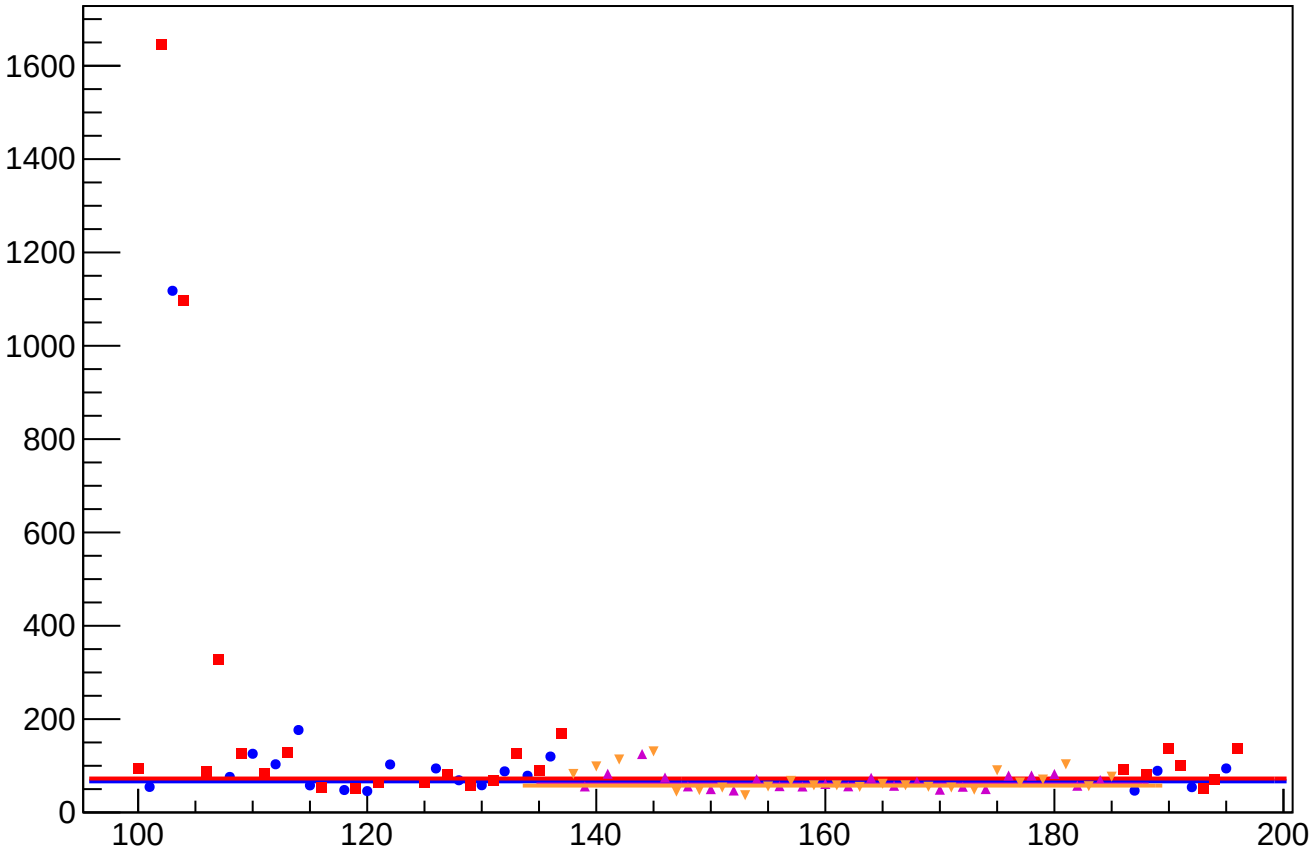
Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.7/91

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47



Right In: 66.659+/-0.018 χ^2/NDF: 2586520.2/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

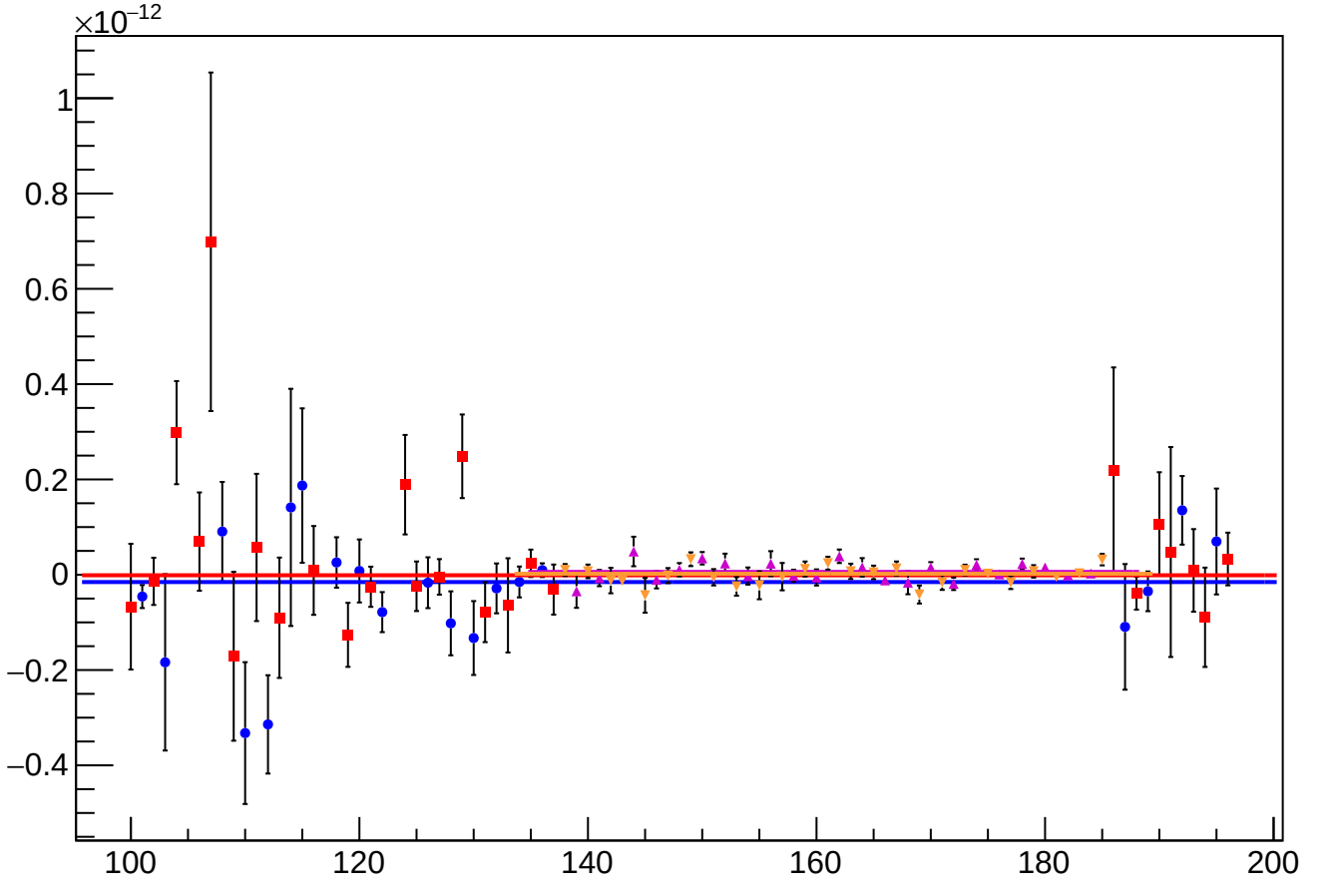
Right Out: 72.690+/-0.018 χ^2/NDF: 3624020.4/24

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988981.0/43

All: 61.600+/-0.007 χ^2/NDF: 10386750.1/91

- sign 63.281+/-0.009 χ^2/NDF: 5334795.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

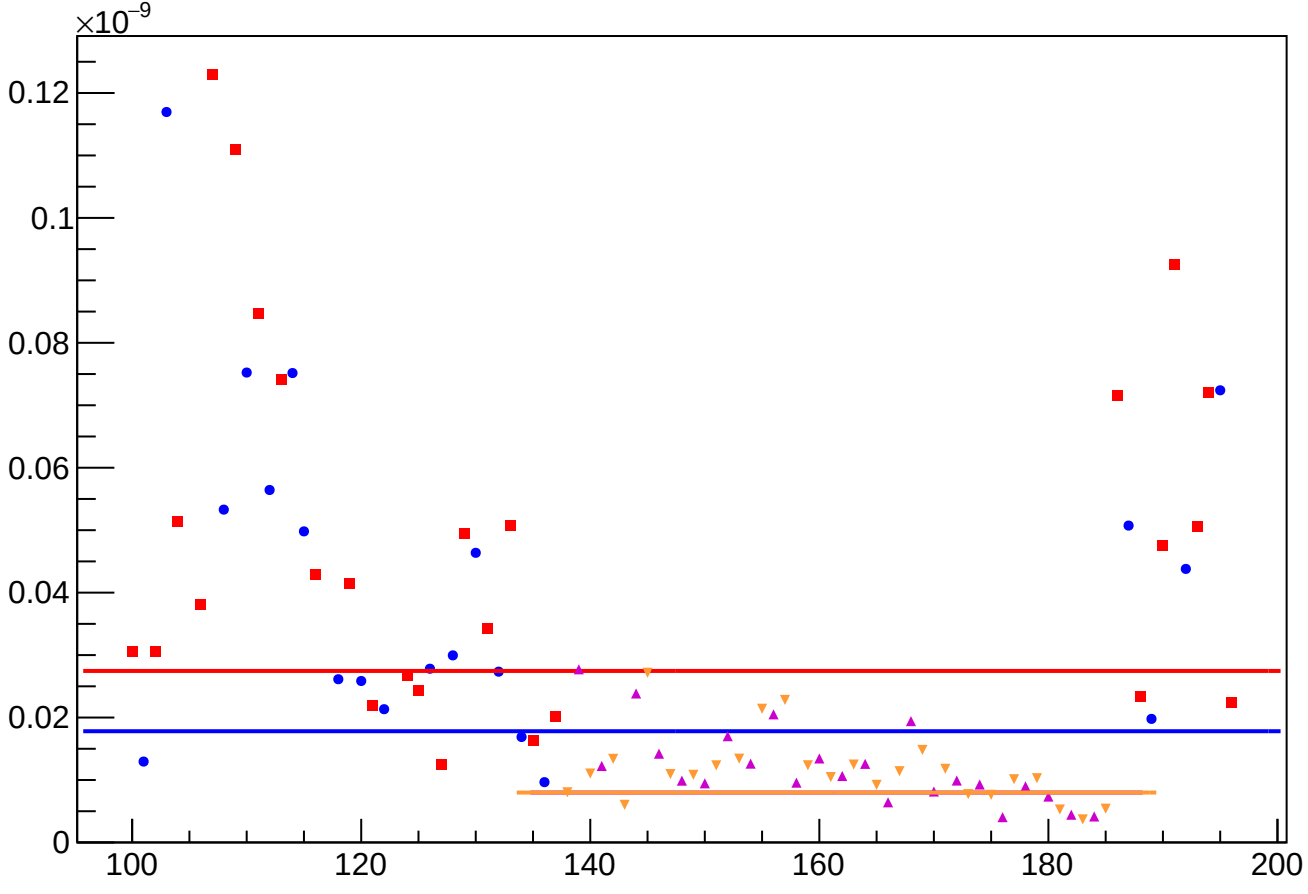
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/25

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/44

All: 0.000+/-0.000 χ^2/NDF: 140.4/93

- sign 0.000+/-0.000 χ^2/NDF: 69.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3726962.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3243683.8/25

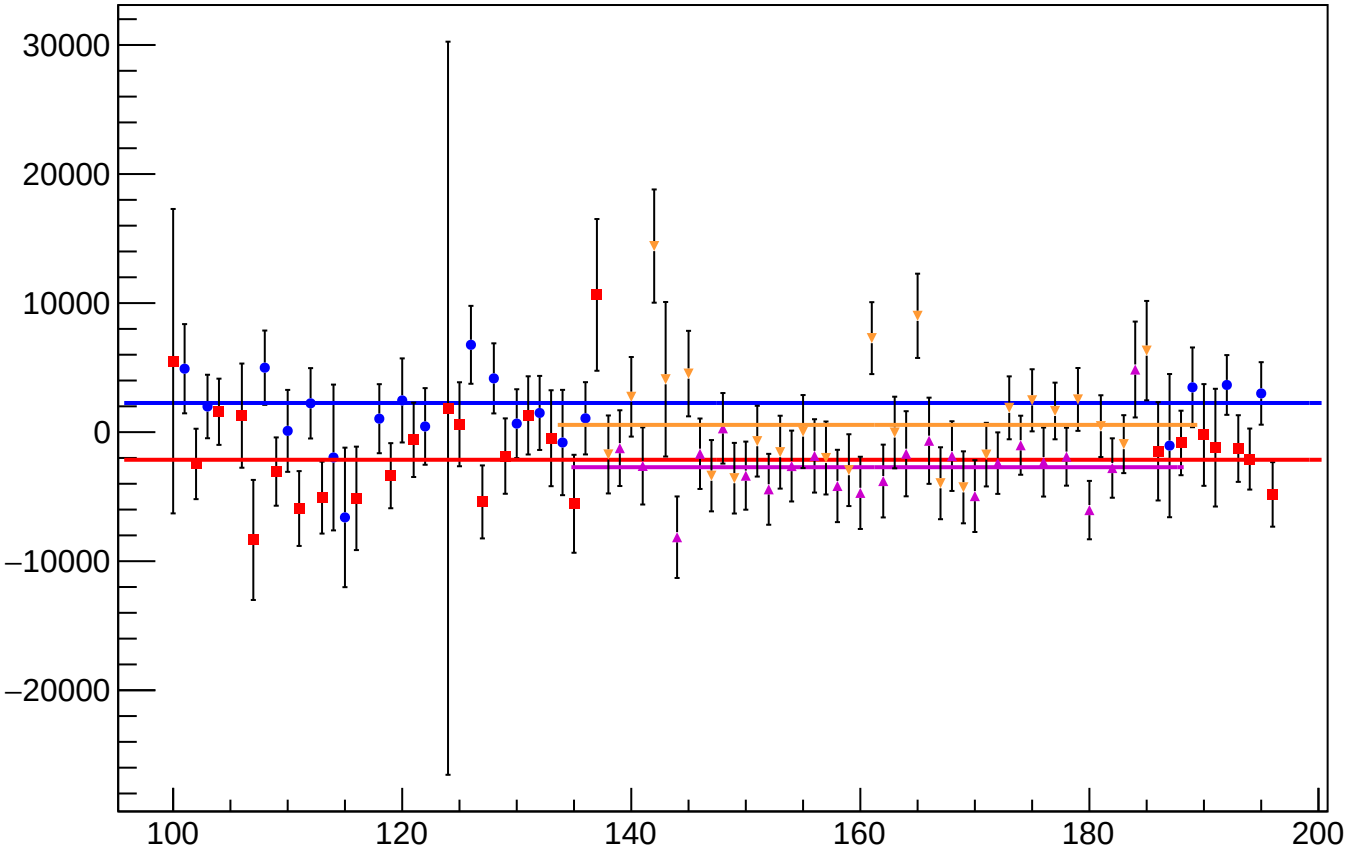
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10590955.6/44

All: 0.000+/-0.000 χ^2/NDF: 23715634.4/93

- sign 0.000+/-0.000 χ^2/NDF: 13120003.2/48

reg_asym_atl2_mean vs Slug



Right In: 2259.973+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2140.829+/-622.667 χ^2/NDF: 20.0/25

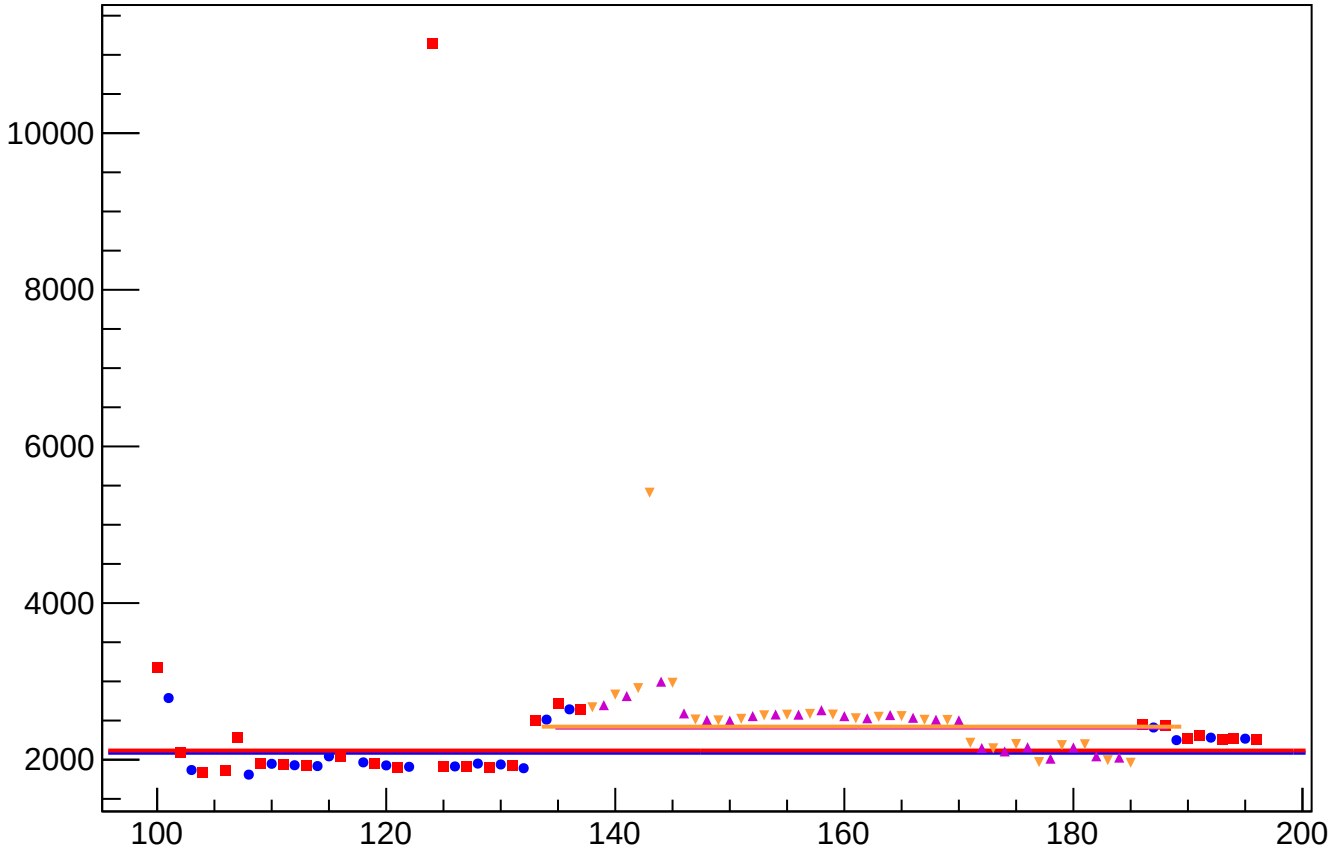
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.594+/-429.322 χ^2/NDF: 58.4/44

All: -647.112+/-299.827 χ^2/NDF: 131.4/93

- sign -2455.781+/-418.908 χ^2/NDF: 34.8/48

reg_asym_atl2_rms vs Slug



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.6/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.803+/-0.440 χ^2/NDF: 499333.1/25

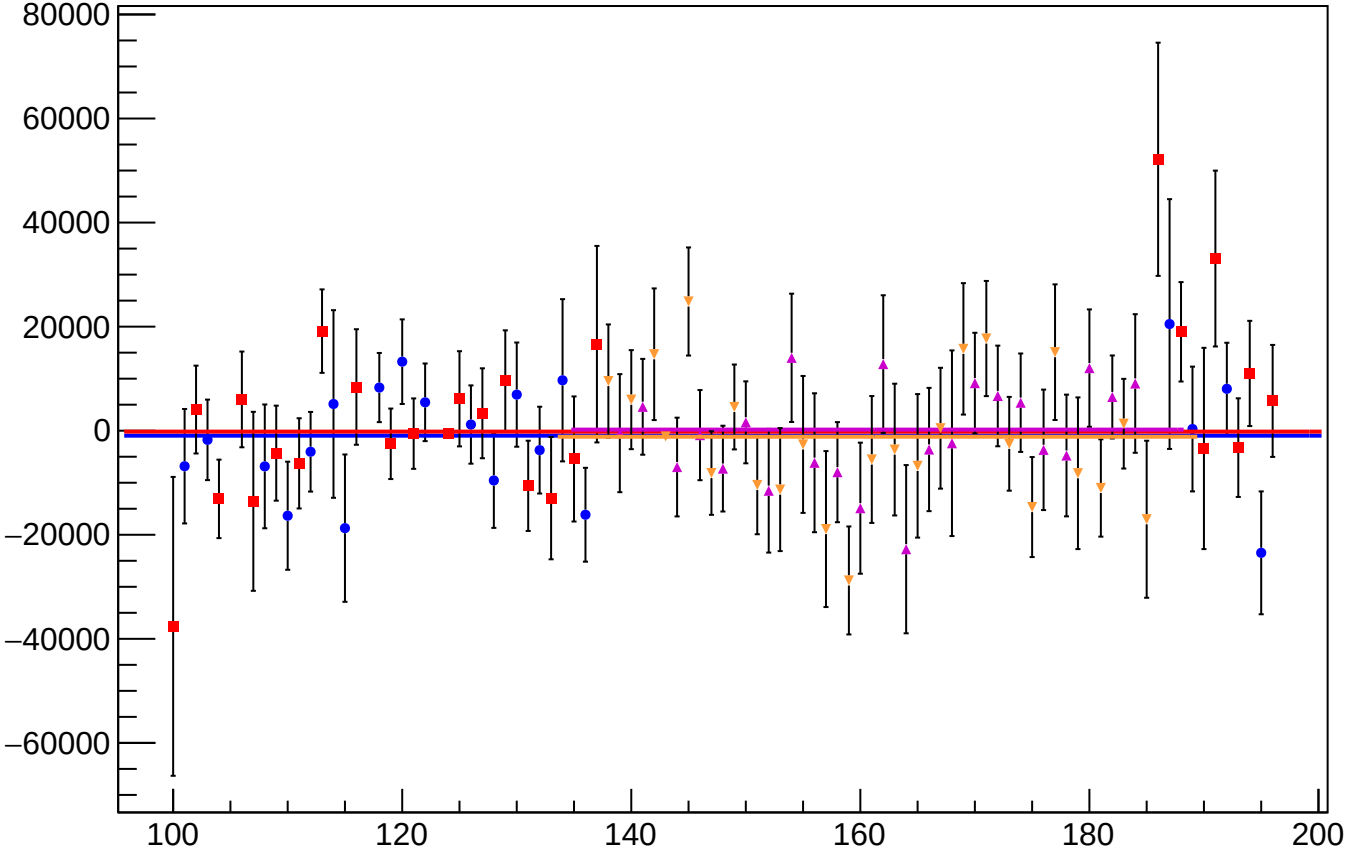
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.5/44

All: 2281.836+/-0.212 χ^2/NDF: 2724329.1/93

- sign 2277.197+/-0.296 χ^2/NDF: 1170133.7/48

asym_atl2_reg_correction_mean vs Slug



Right In: -953.016+/-2126.018 χ^2/NDF: 20.8/19

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -173.748+/-757.483 χ^2/NDF: 33.7/25

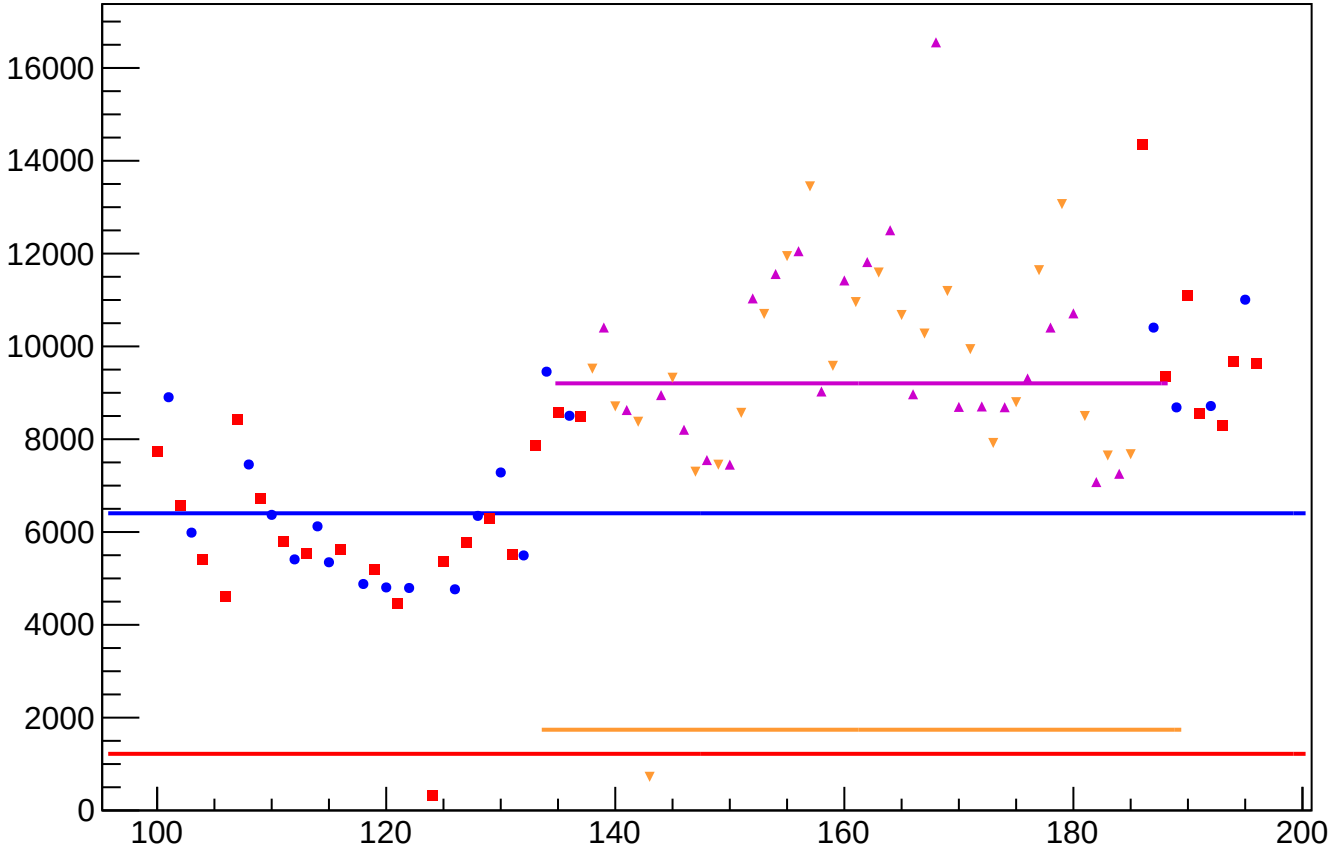
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1135.082+/-713.808 χ^2/NDF: 52.8/44

All: -635.585+/-505.528 χ^2/NDF: 100.8/93

- sign -132.950+/-716.047 χ^2/NDF: 47.1/48

asym_atl2_reg_correction_rms vs Slug



Right In: 6403.810+/-1.503 χ^2/NDF: 1333167.9/19

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1220.214+/-0.536 χ^2/NDF: 18373143.6/25

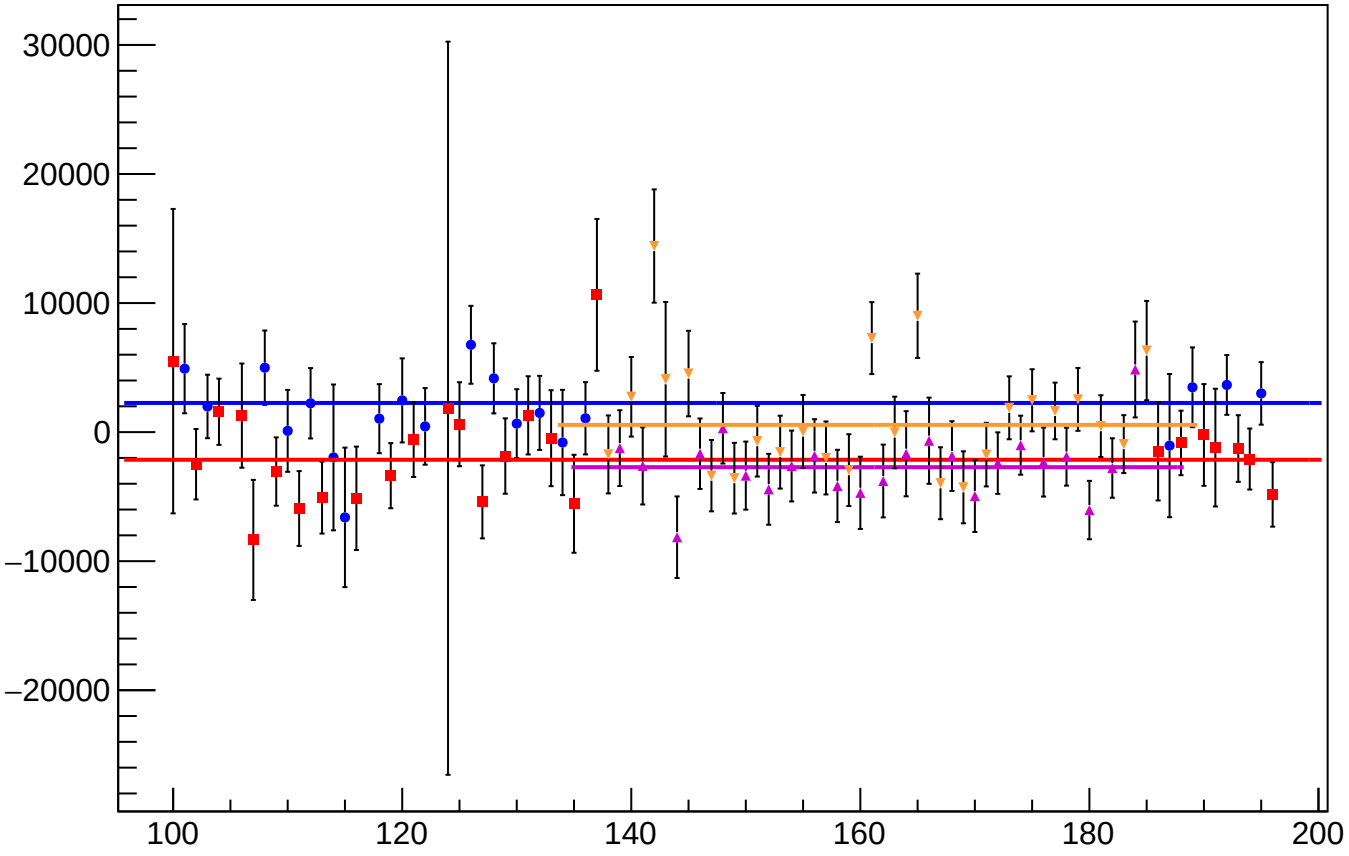
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2265.465+/-0.505 χ^2/NDF: 37607893.0/44

All: 2167.919+/-0.357 χ^2/NDF: 80969077.3/9

- sign 2069.760+/-0.506 χ^2/NDF: 43286250.3/48

cor_asym_atl2_mean vs Slug



Right In: 2260.054+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2142.075+/-622.671 χ^2/NDF: 20.0/25

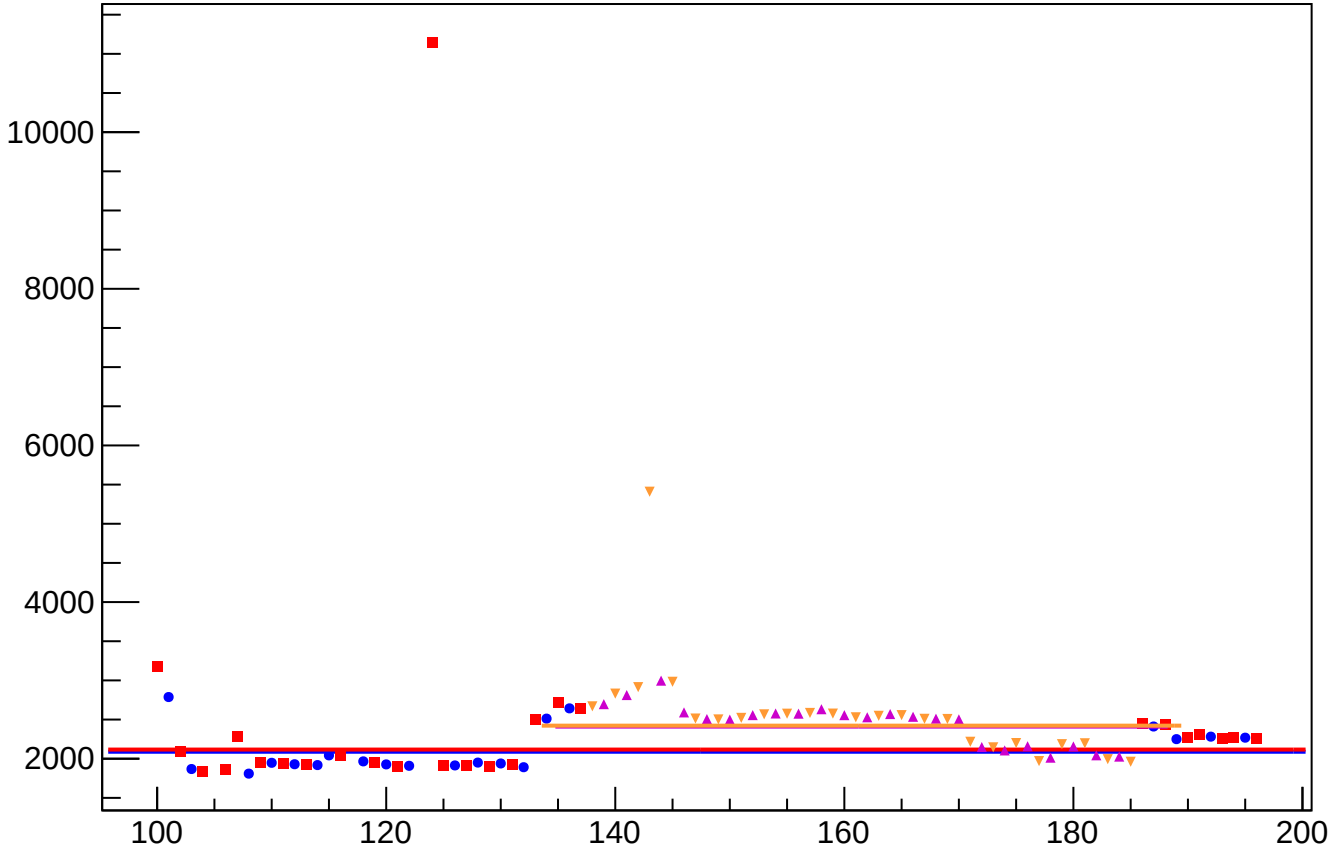
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.628+/-429.322 χ^2/NDF: 58.4/44

All: -647.369+/-299.827 χ^2/NDF: 131.4/93

- sign -2456.325+/-418.910 χ^2/NDF: 34.8/48

cor_asym_atl2_rms vs Slug



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.4/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.819+/-0.440 χ^2/NDF: 499329.8/25

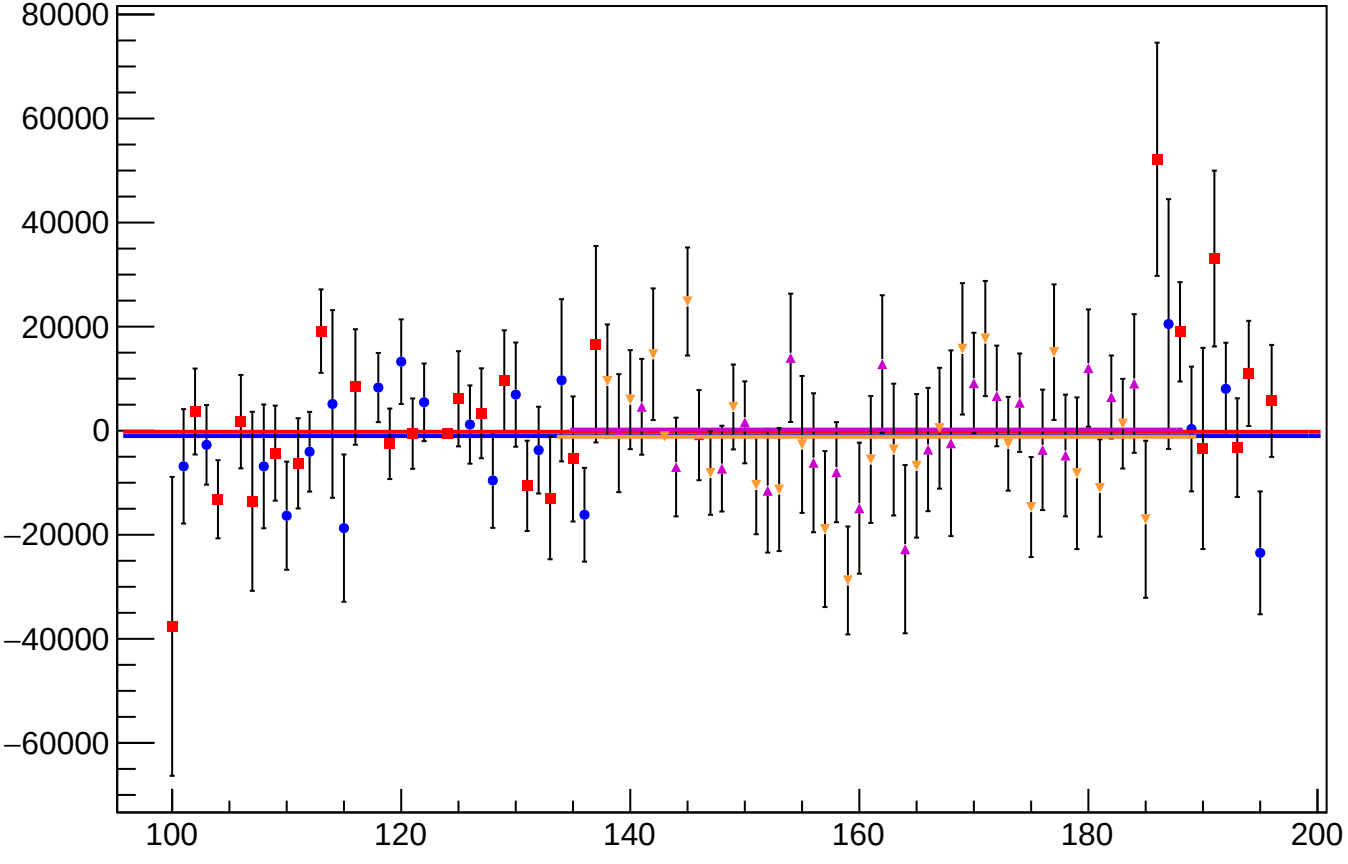
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.6/44

All: 2281.840+/-0.212 χ^2/NDF: 2724297.0/93

- sign 2277.205+/-0.296 χ^2/NDF: 1170102.3/48

asym_atl2_cor_correction_mean vs Slug



Right In: -1029.154+/-2124.107 χ^2/NDF: 20.9/19

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -206.405+/-757.158 χ^2/NDF: 33.3/25

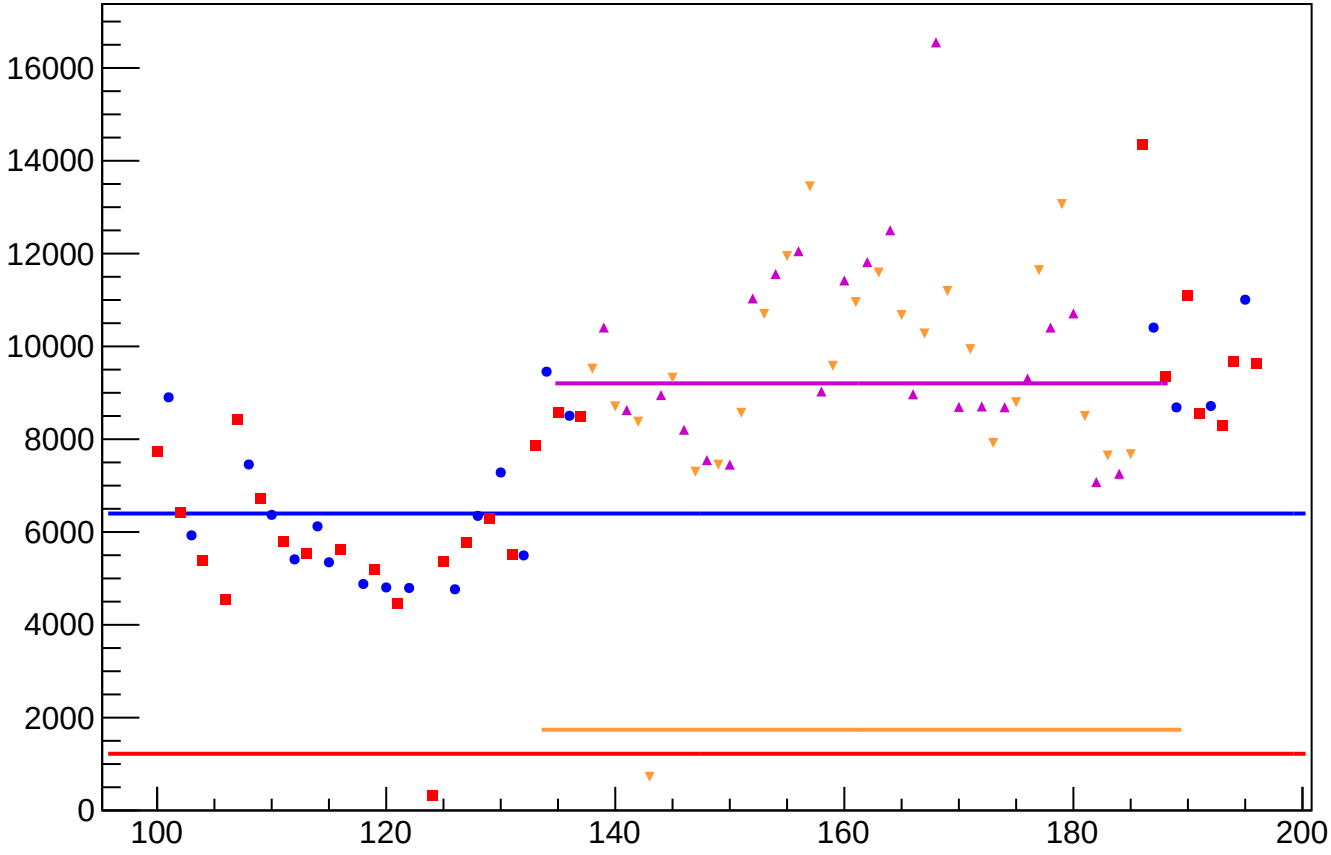
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.432+/-713.682 χ^2/NDF: 52.8/44

All: -654.242+/-505.387 χ^2/NDF: 100.4/93

- sign -162.182+/-715.772 χ^2/NDF: 46.7/48

asym_atl2_cor_correction_rms vs Slug



Right In: 6398.517+/-1.502 χ^2/NDF: 1334961.9/19

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1221.691+/-0.535 χ^2/NDF: 18366692.3/25

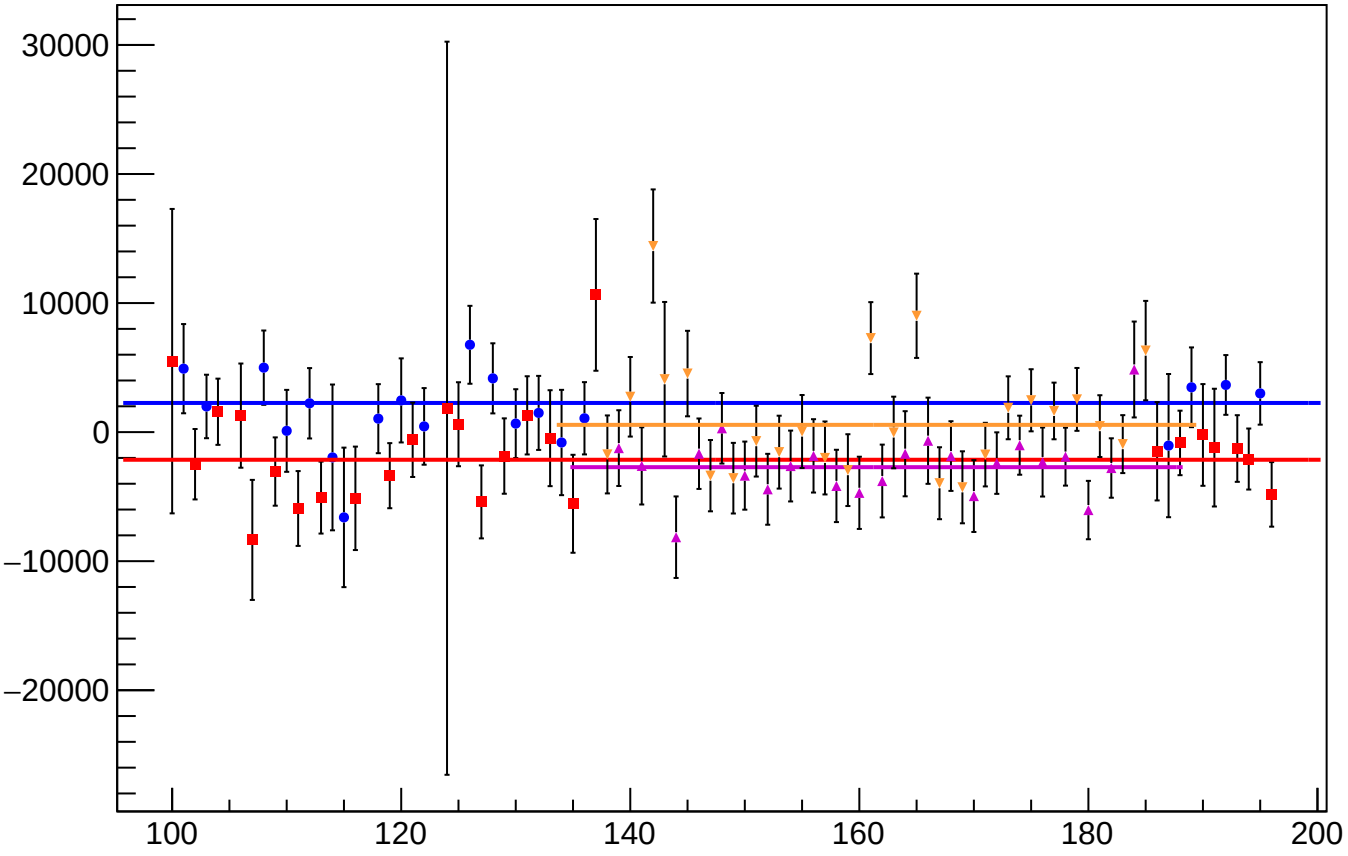
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2265.420+/-0.505 χ^2/NDF: 37605988.3/44

All: 2168.209+/-0.357 χ^2/NDF: 80953618.4/9

- sign 2070.428+/-0.506 χ^2/NDF: 43273200.0/48

eigen_cor_asym_atl2_mean vs Slug



Right In: 2260.054+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2142.075+/-622.671 χ^2/NDF: 20.0/25

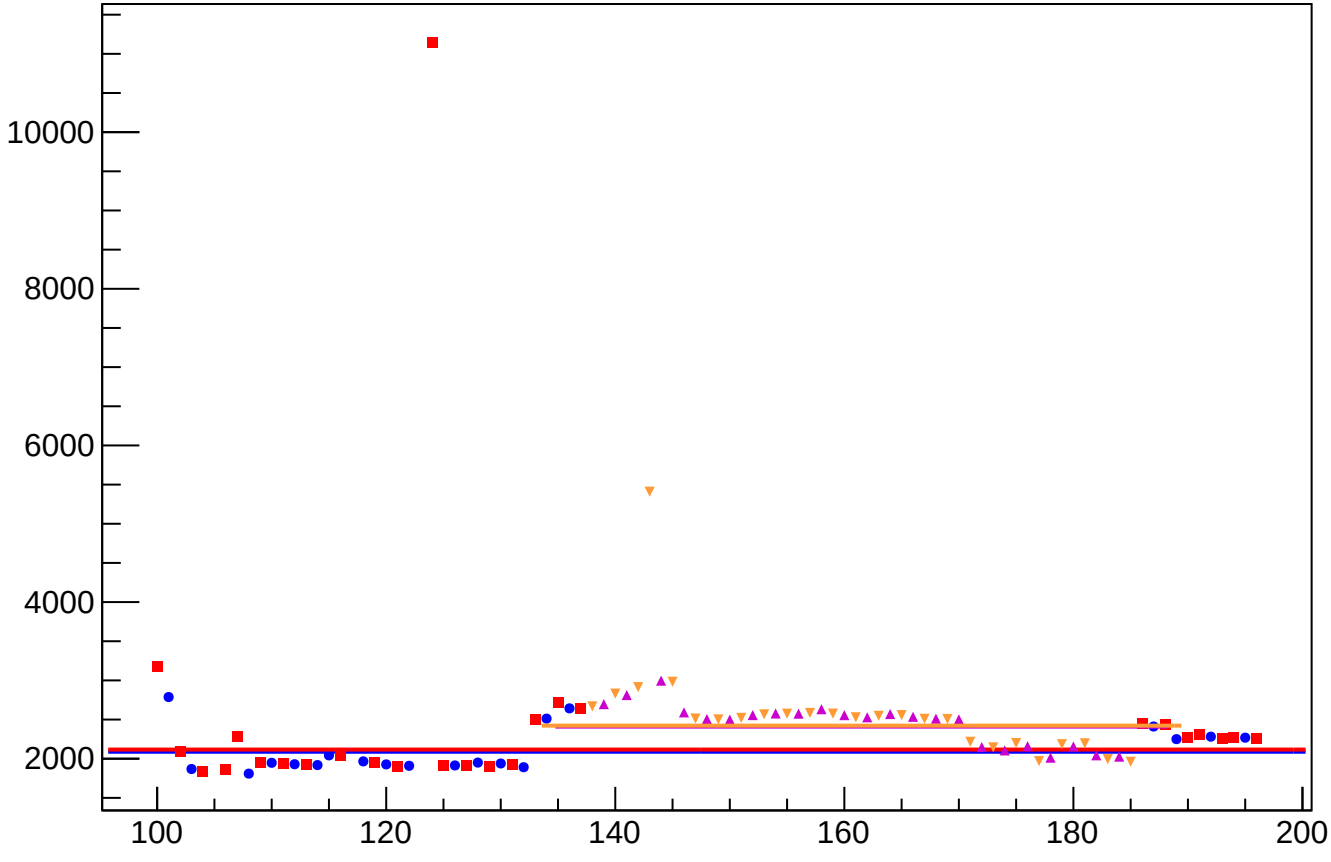
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.628+/-429.322 χ^2/NDF: 58.4/44

All: -647.369+/-299.827 χ^2/NDF: 131.4/93

- sign -2456.325+/-418.910 χ^2/NDF: 34.8/48

eigen_cor_asym_atl2_rms vs Slug



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.4/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.819+/-0.440 χ^2/NDF: 499329.8/25

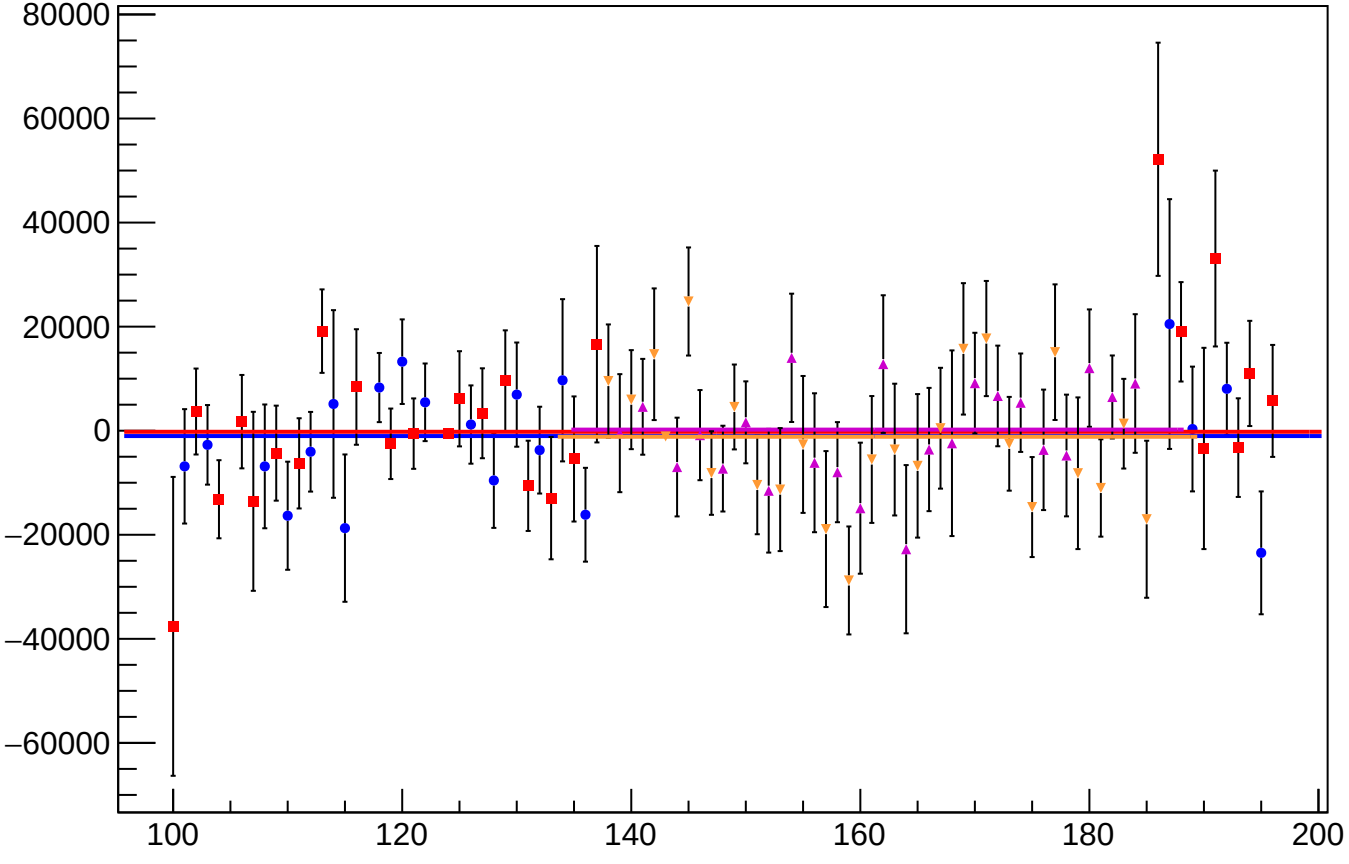
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.6/44

All: 2281.840+/-0.212 χ^2/NDF: 2724297.0/93

- sign 2277.205+/-0.296 χ^2/NDF: 1170102.3/48

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1029.154+/-2124.107 χ^2/NDF: 20.9/19

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -206.405+/-757.158 χ^2/NDF: 33.3/25

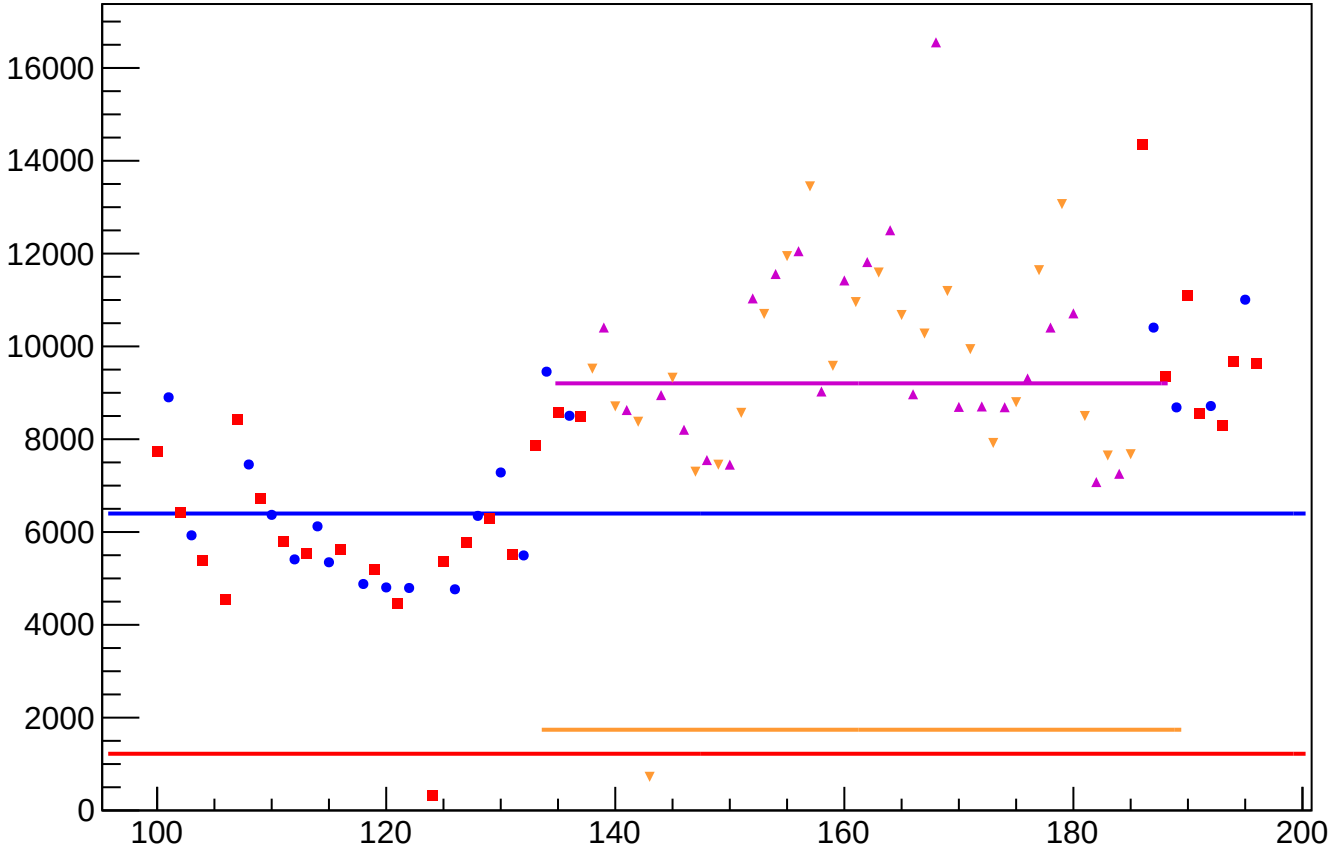
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.432+/-713.682 χ^2/NDF: 52.8/44

All: -654.242+/-505.387 χ^2/NDF: 100.4/93

- sign -162.182+/-715.772 χ^2/NDF: 46.7/48

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6398.517+/-1.502 χ^2/NDF: 1334961.9/19

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1221.691+/-0.535 χ^2/NDF: 18366692.3/25

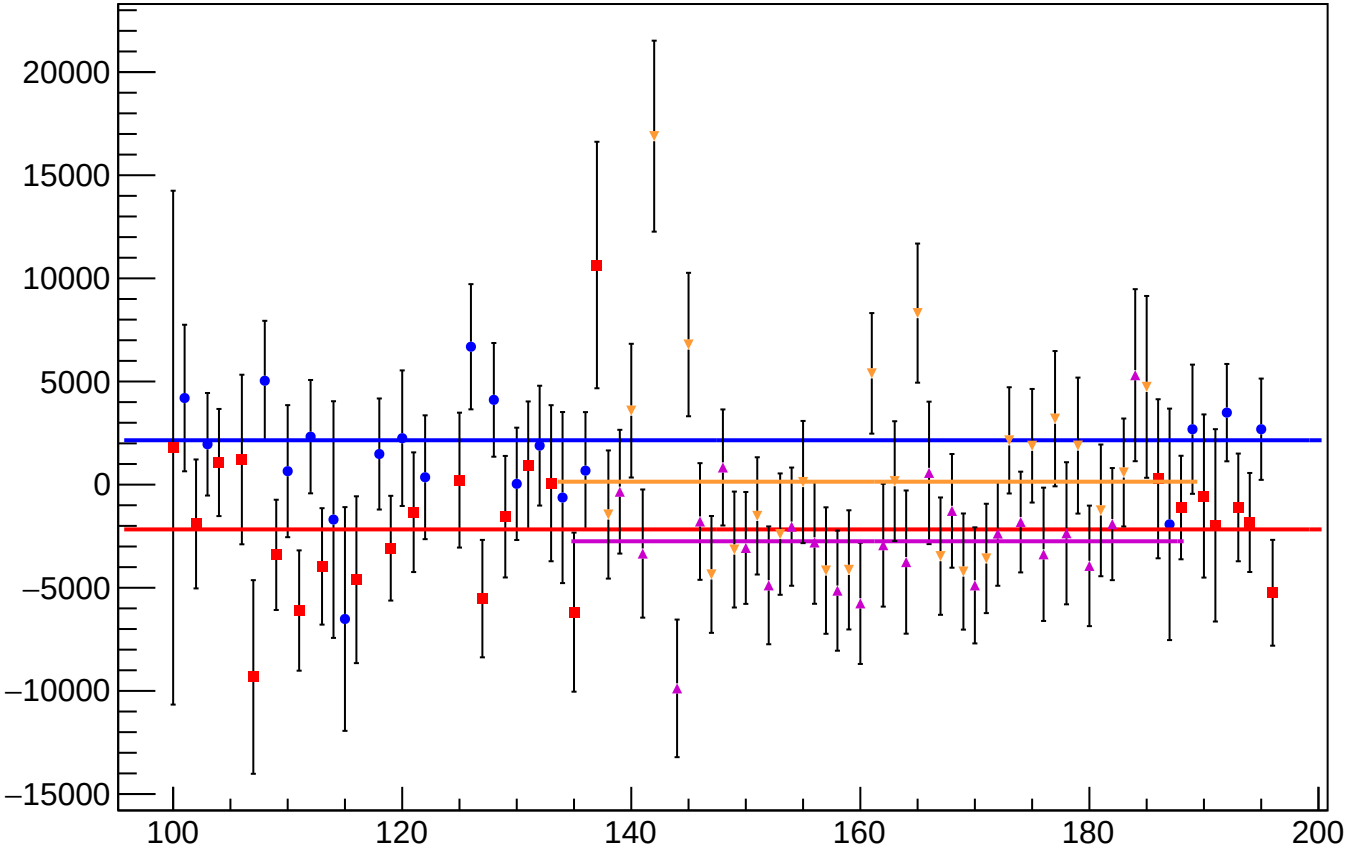
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2265.420+/-0.505 χ^2/NDF: 37605988.3/44

All: 2168.209+/-0.357 χ^2/NDF: 80953618.4/9

- sign 2070.428+/-0.506 χ^2/NDF: 43273200.0/48

dit_asym_atl2_mean vs Slug



Right In: 2151.397+/-681.929 χ^2/NDF: 10.0/19

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2170.545+/-633.848 χ^2/NDF: 19.1/24

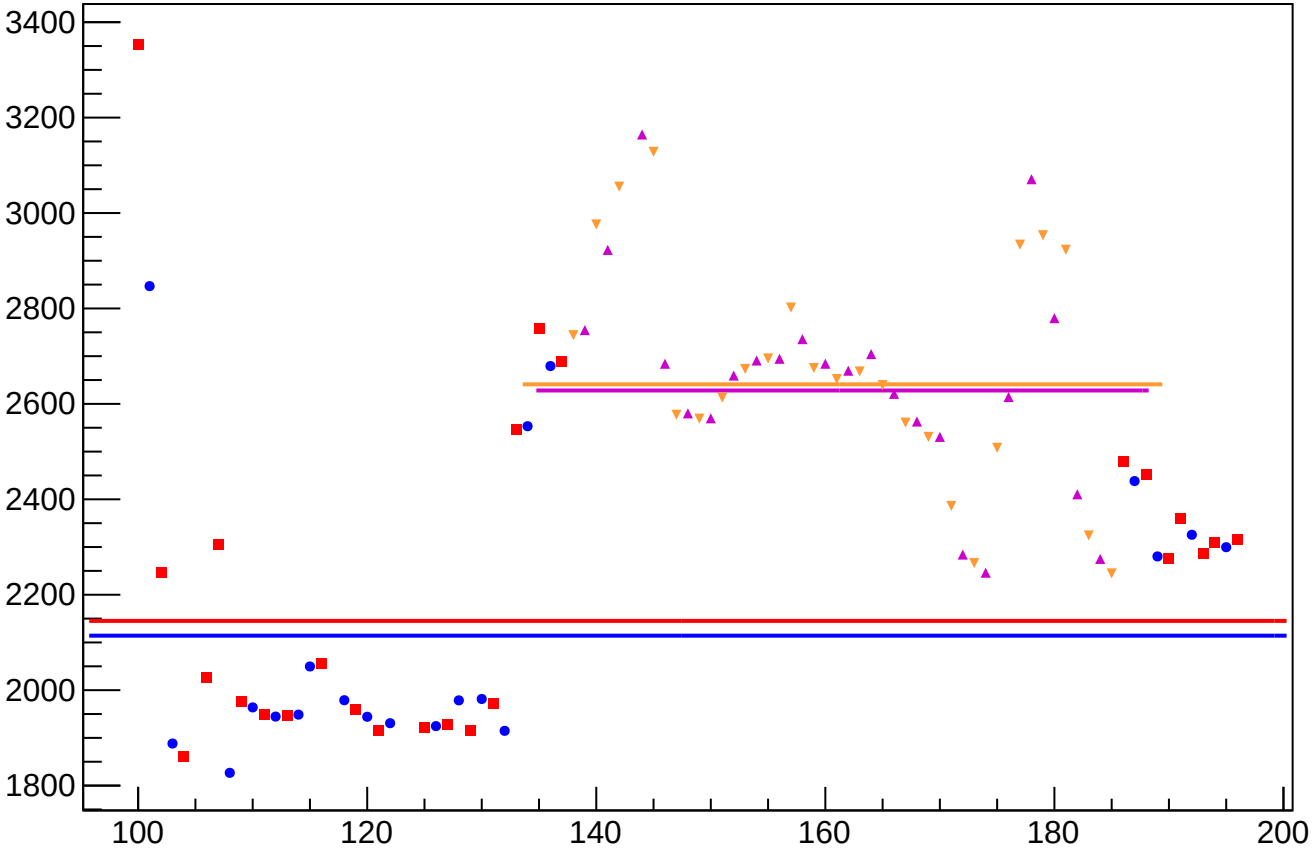
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1044.732+/-457.004 χ^2/NDF: 60.6/43

All: -770.229+/-317.638 χ^2/NDF: 126.0/91

- sign -2466.422+/-441.798 χ^2/NDF: 34.9/47

dit_asym_atl2_rms vs Slug



Right In: 2114.215+/-0.482 χ^2/NDF: 321237.9/19

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2145.198+/-0.448 χ^2/NDF: 304447.5/24

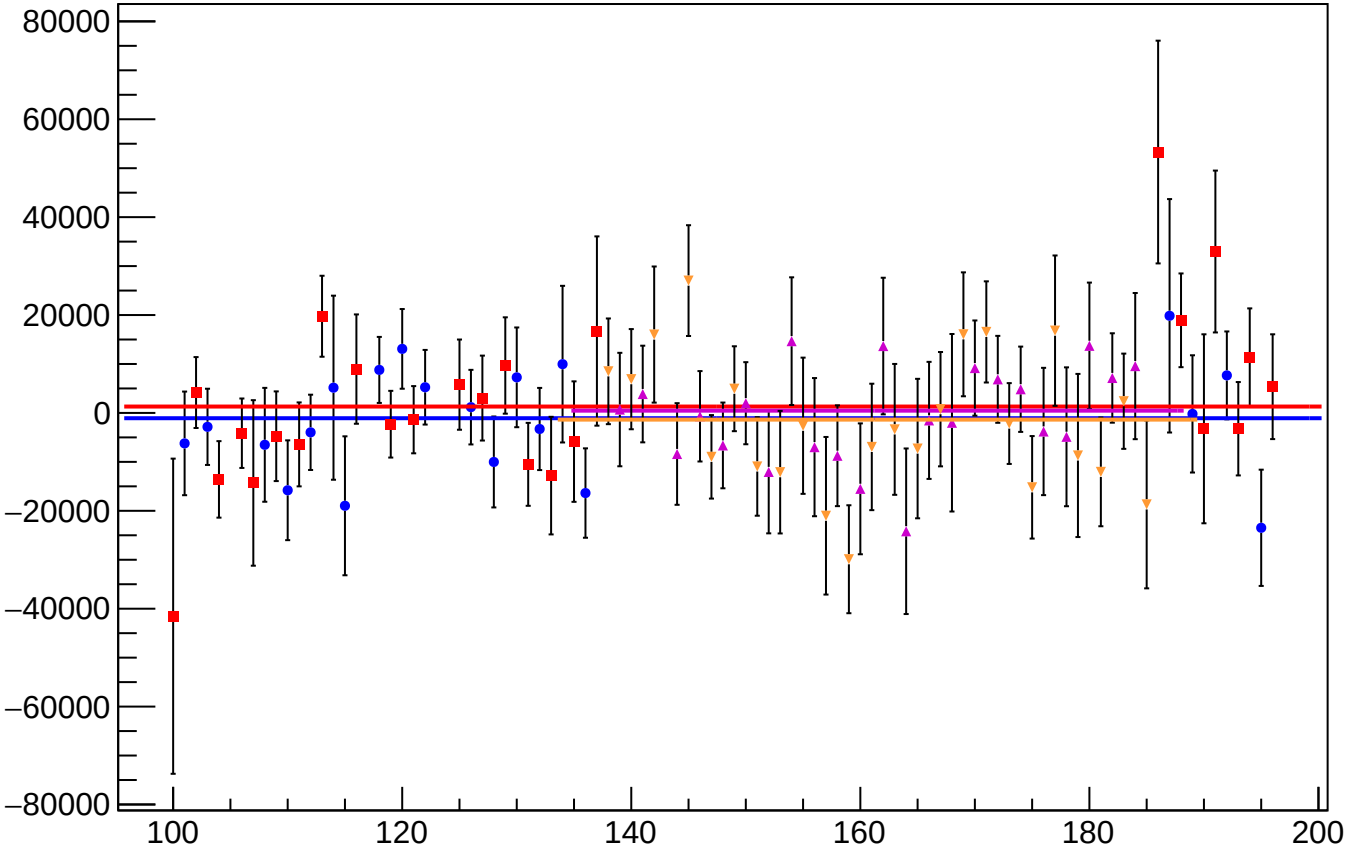
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2404.405+/-0.323 χ^2/NDF: 1232087.7/43

All: 2398.639+/-0.225 χ^2/NDF: 2372202.9/91

- sign 2393.256+/-0.312 χ^2/NDF: 1139499.6/47

asym_atl2_dit_correction_mean vs Slug



Right In: -1080.952+/-2141.032 χ^2/NDF: 20.6/19

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1304.038+/-1942.819 χ^2/NDF: 33.1/24

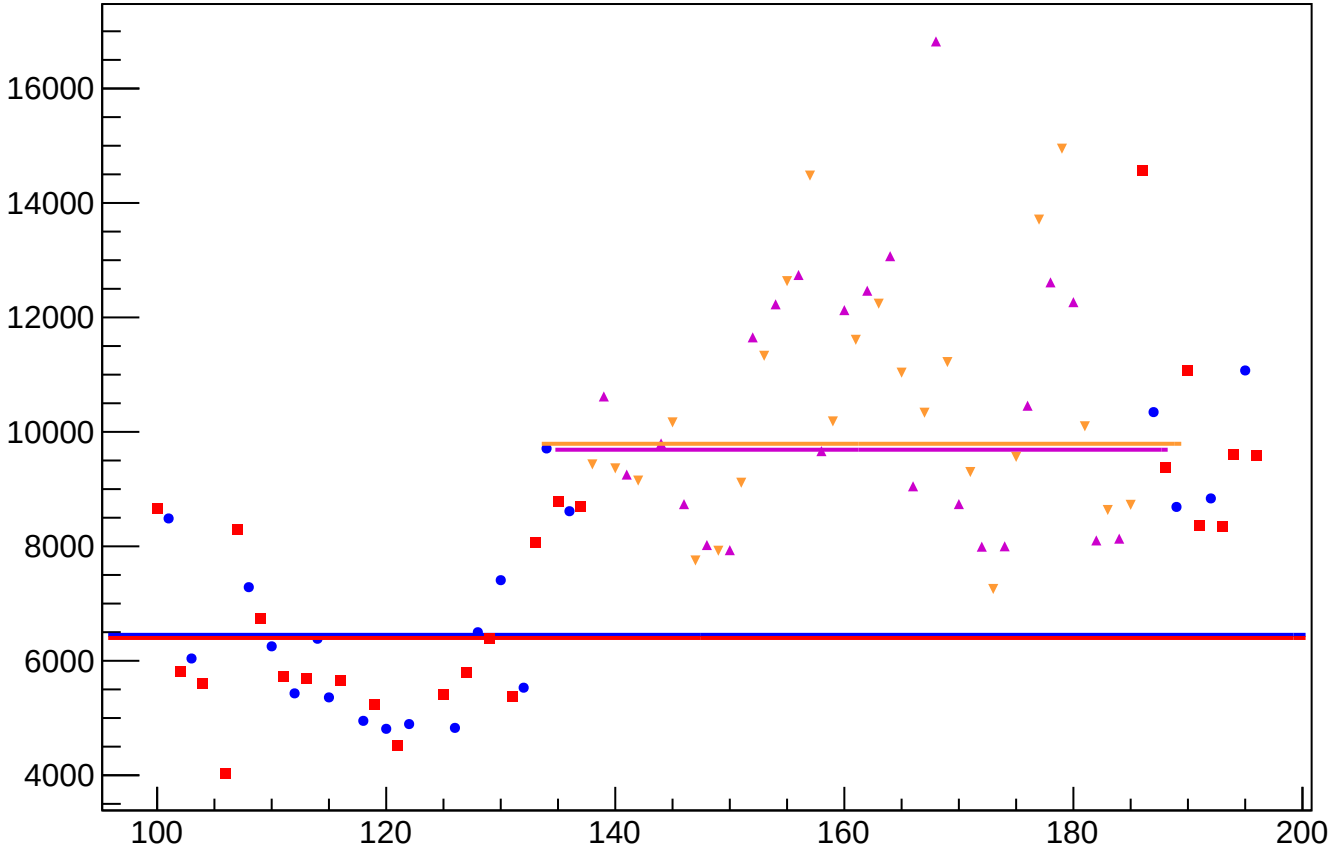
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1212.061+/-1575.366 χ^2/NDF: 51.9/43

All: -65.912+/-1081.762 χ^2/NDF: 99.1/91

- sign 956.706+/-1488.051 χ^2/NDF: 46.3/47

asym_atl2_dit_correction_rms vs Slug



Right In: 6453.651+/-1.514 χ^2/NDF: 1296180.6/19

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6398.945+/-1.374 χ^2/NDF: 1802028.1/24

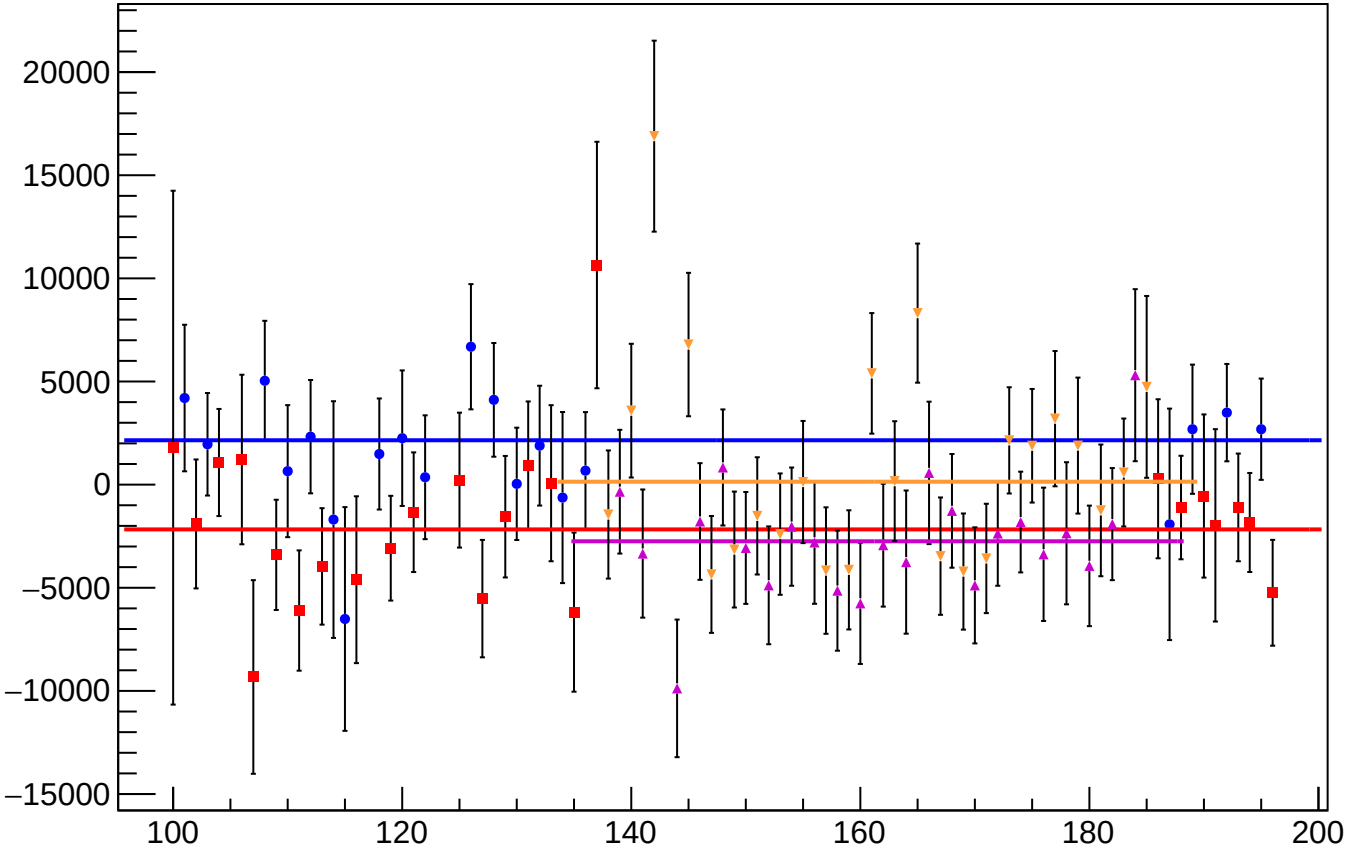
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7984.731+/-1.114 χ^2/NDF: 4745442.0/43

All: 7865.218+/-0.765 χ^2/NDF: 10317074.7/9

- sign 7758.586+/-1.052 χ^2/NDF: 5549852.1/47

eigen_dit_asym_atl2_mean vs Slug



Right In: 2151.395+/-681.929 χ^2/NDF: 10.0/19

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2170.549+/-633.848 χ^2/NDF: 19.1/24

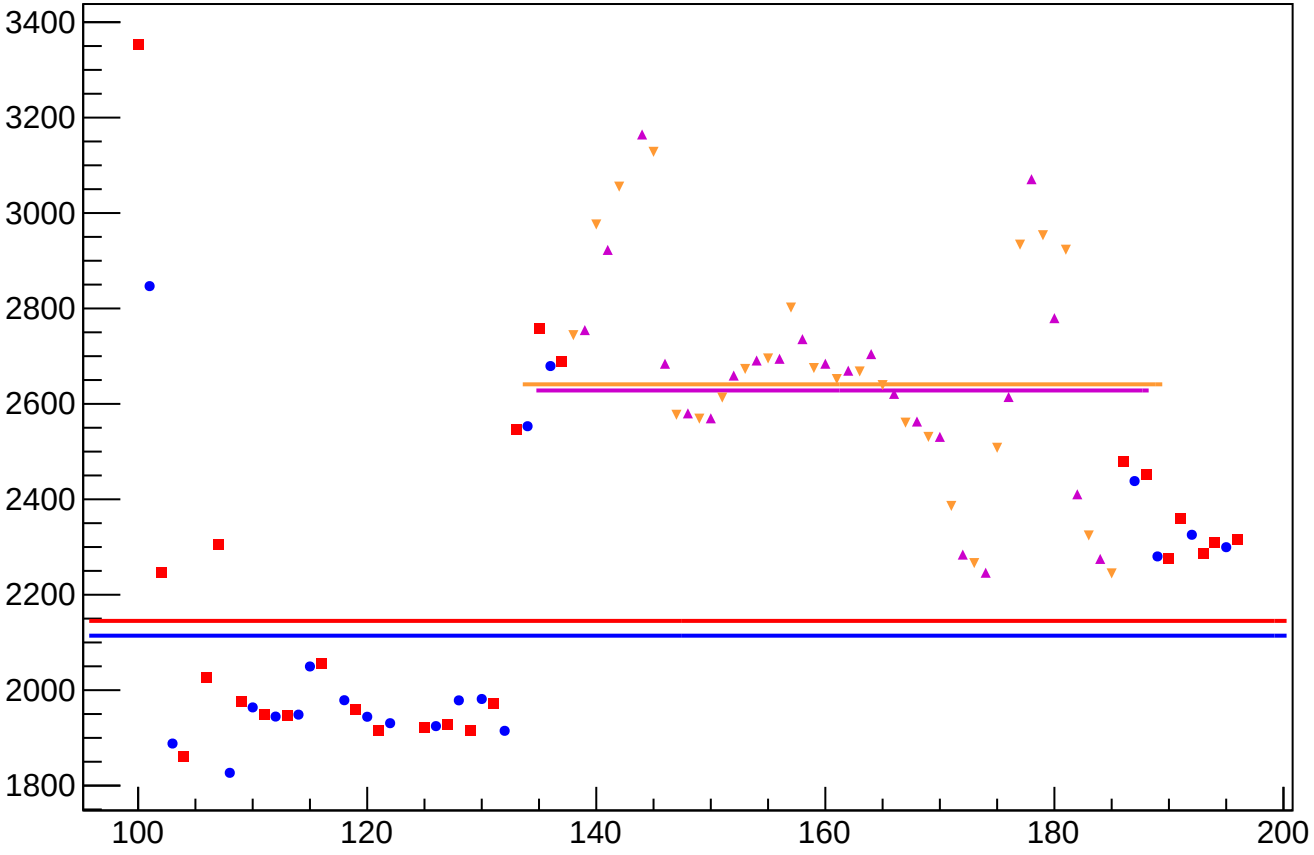
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1044.727+/-457.004 χ^2/NDF: 60.6/43

All: -770.231+/-317.638 χ^2/NDF: 126.0/91

- sign -2466.422+/-441.798 χ^2/NDF: 34.9/47

eigen_dit_asym_atl2_rms vs Slug



Right In: 2114.215+/-0.482 χ^2/NDF: 321237.7/19

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2145.198+/-0.448 χ^2/NDF: 304447.6/24

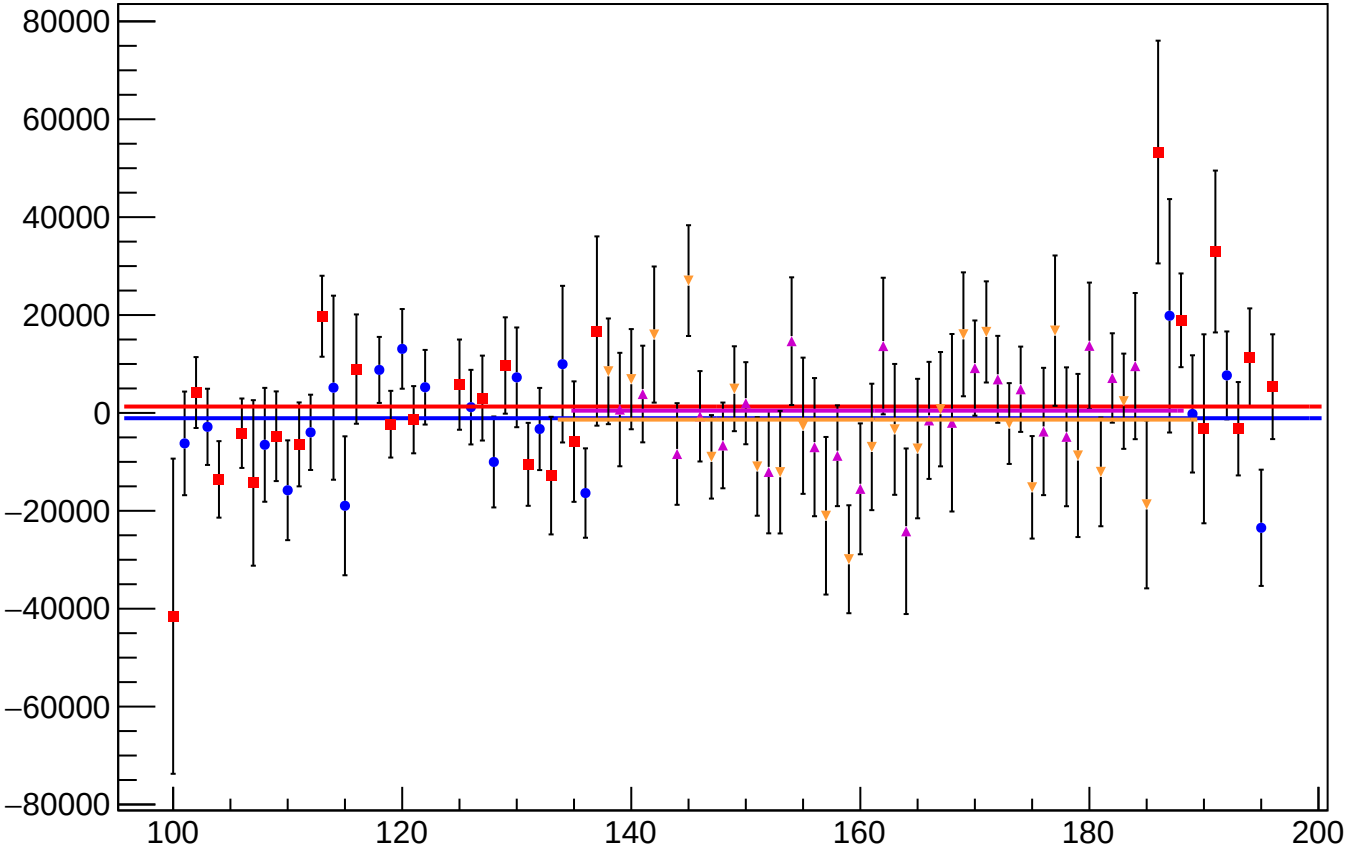
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2404.406+/-0.323 χ^2/NDF: 1232102.0/43

All: 2398.640+/-0.225 χ^2/NDF: 2372231.9/91

- sign 2393.257+/-0.312 χ^2/NDF: 1139514.3/47

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1080.940+/-2141.027 χ^2/NDF: 20.6/19

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1304.027+/-1942.815 χ^2/NDF: 33.1/24

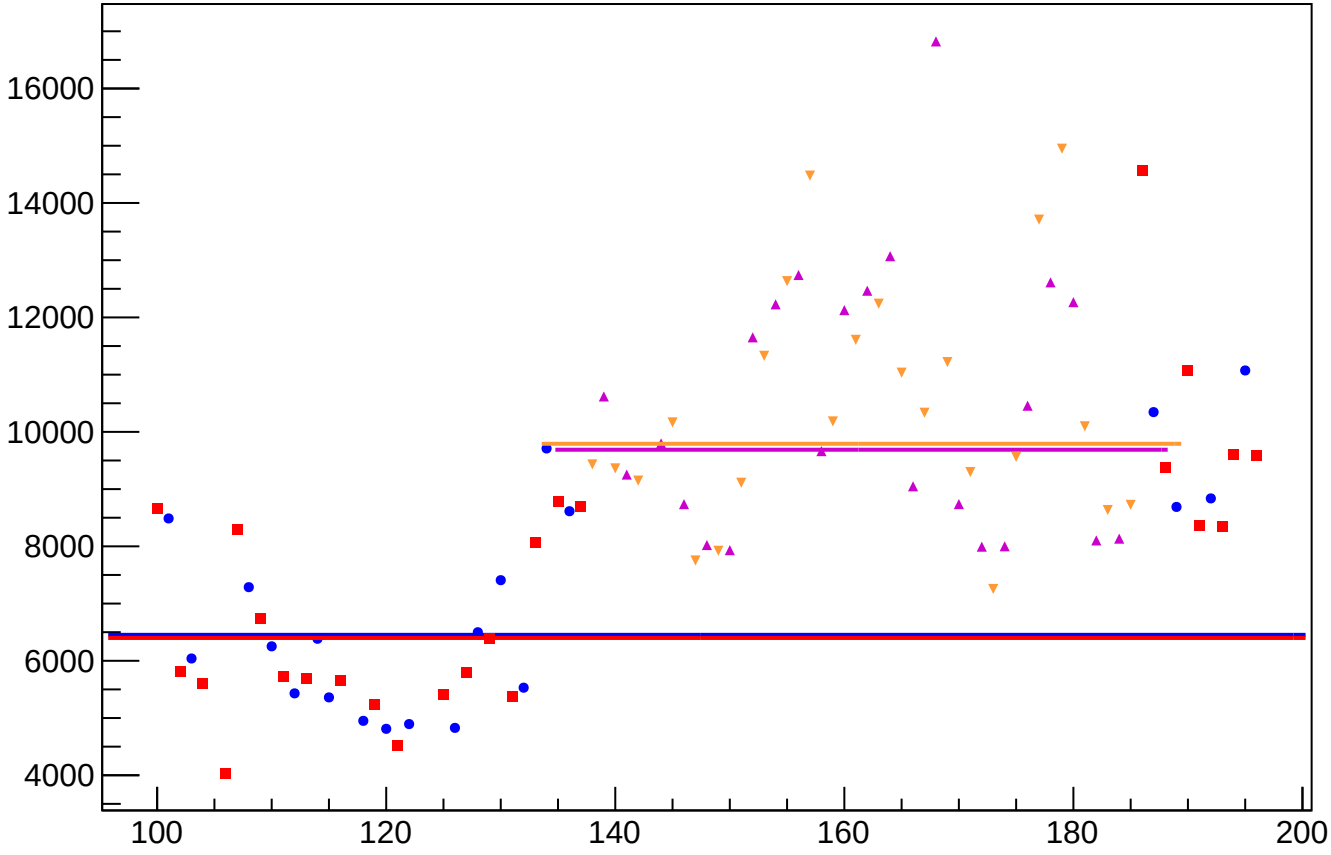
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1212.058+/-1575.366 χ^2/NDF: 51.9/43

All: -65.913+/-1081.762 χ^2/NDF: 99.1/91

- sign 956.702+/-1488.050 χ^2/NDF: 46.3/47

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6453.633+/-1.514 χ^2/NDF: 1296201.3/19

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6398.930+/-1.374 χ^2/NDF: 1802047.0/24

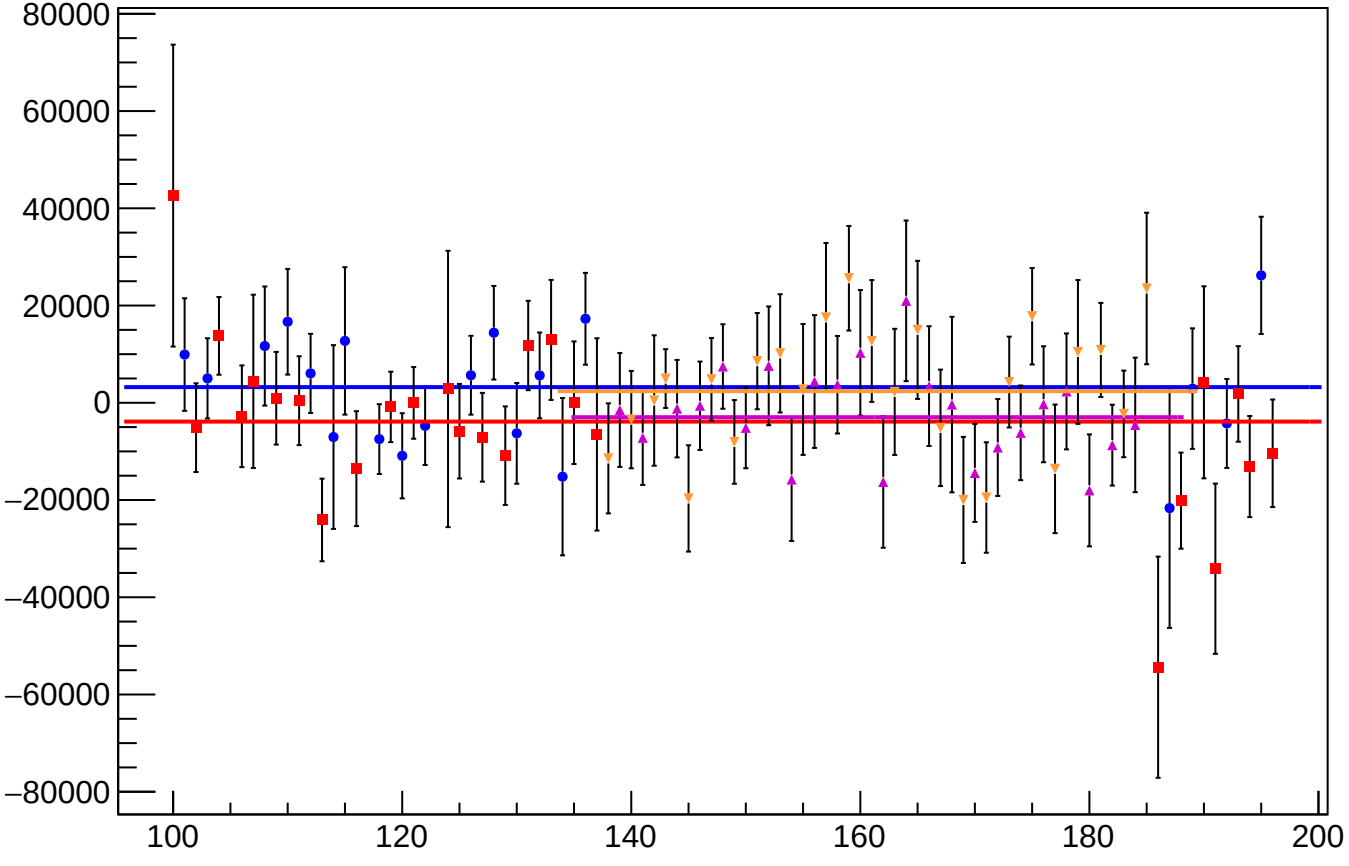
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7984.722+/-1.114 χ^2/NDF: 4745511.2/43

All: 7865.209+/-0.765 χ^2/NDF: 10317208.9/9

- sign 7758.577+/-1.052 χ^2/NDF: 5549917.1/47

asym_atl2_mean vs Slug



Right In: 3221.935+/-2249.478 χ^2/NDF: 20.2/19

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -3871.006+/-2089.391 χ^2/NDF: 32.5/25

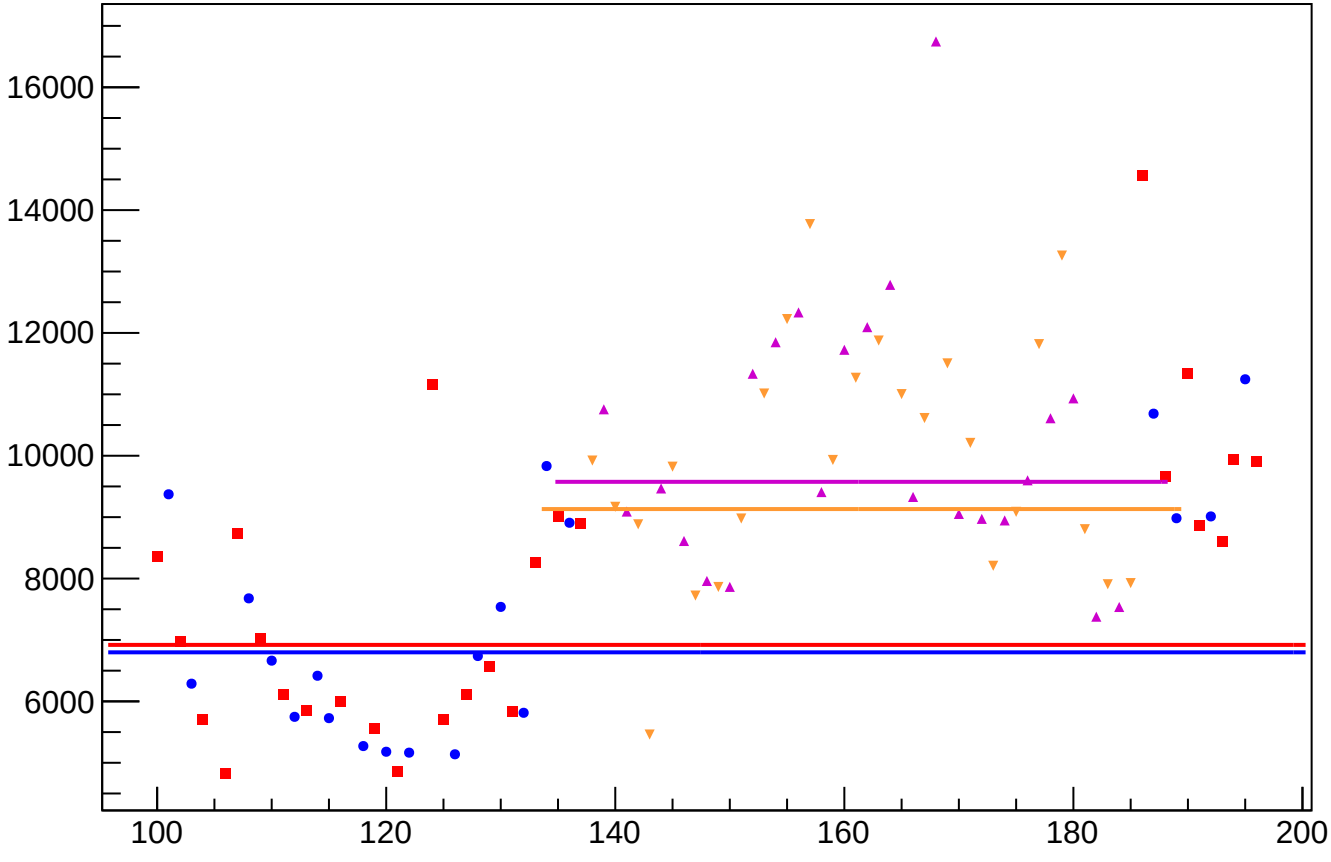
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2783.431+/-1549.146 χ^2/NDF: 50.0/44

All: -354.888+/-1092.191 χ^2/NDF: 103.7/93

- sign -3456.572+/-1540.077 χ^2/NDF: 45.5/48

asym_atl2_rms vs Slug



Right In: 6798.603+/-1.591 χ^2/NDF: 1192543.2/19

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

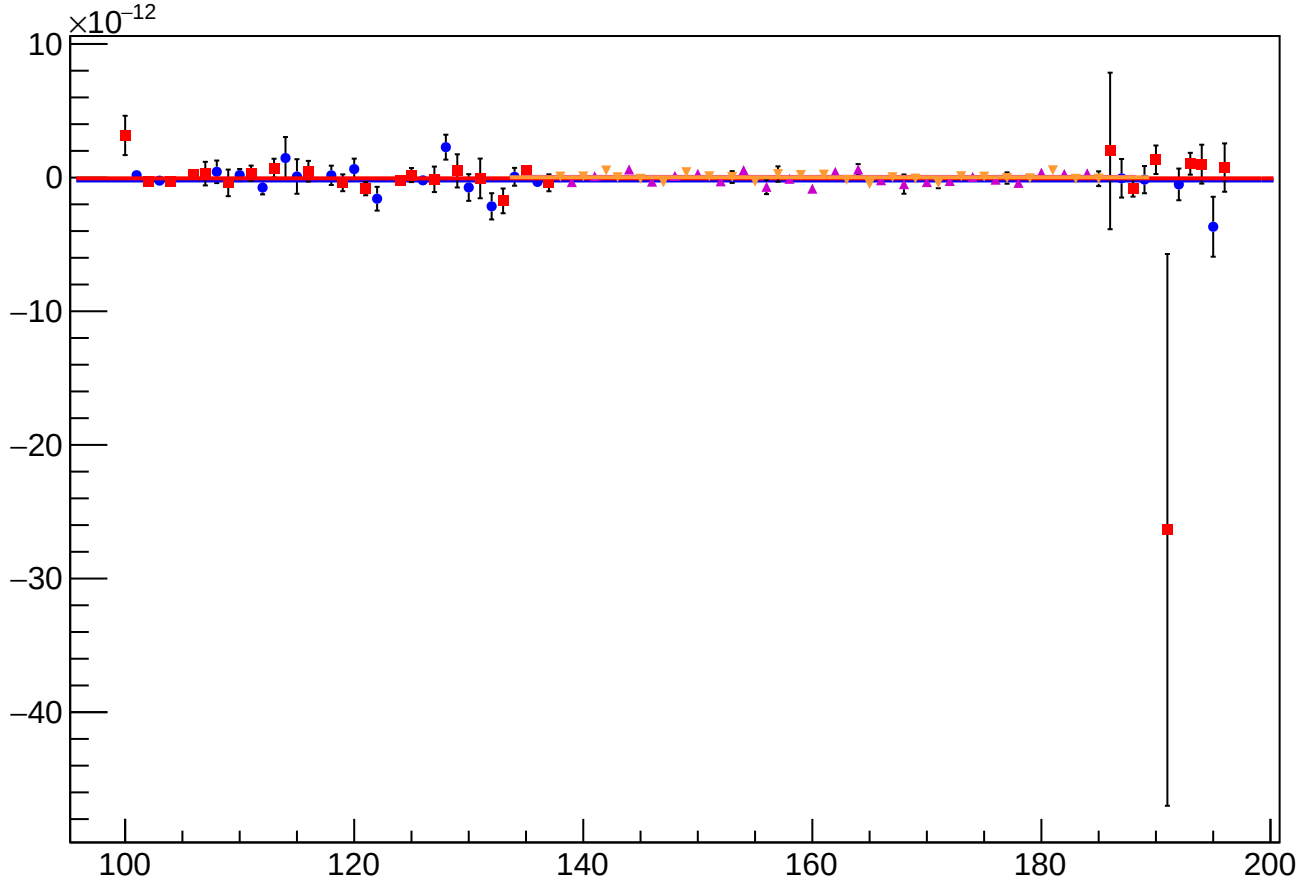
Right Out: 6919.769+/-1.477 χ^2/NDF: 1536772.3/25

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8025.199+/-1.095 χ^2/NDF: 4135314.5/44

All: 8079.163+/-0.772 χ^2/NDF: 8306069.0/93

- sign 8132.497+/-1.089 χ^2/NDF: 4165928.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

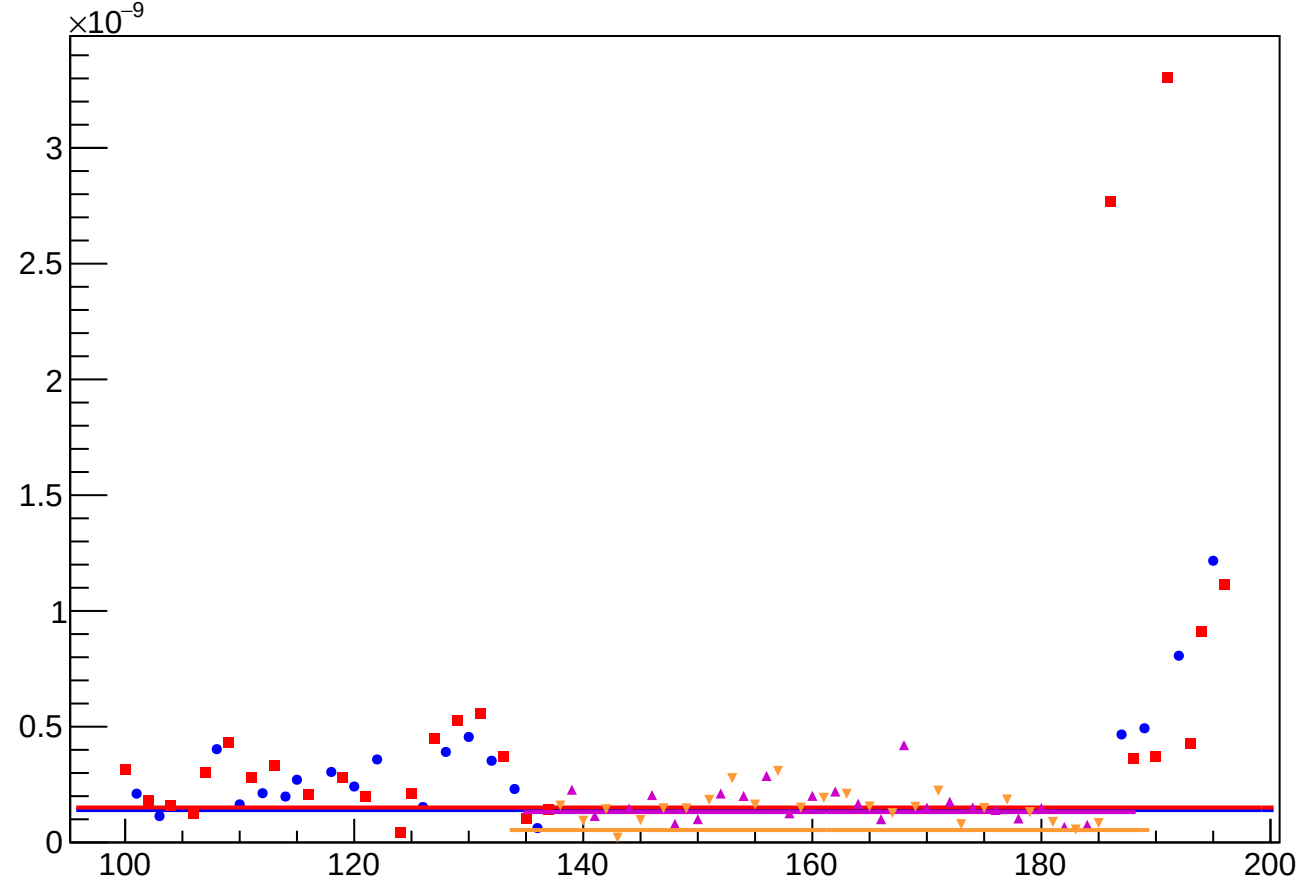
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/25

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/44

All: 0.000+/-0.000 χ^2/NDF: 113.2/93

- sign 0.000+/-0.000 χ^2/NDF: 65.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 3182447.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4463178.4/25

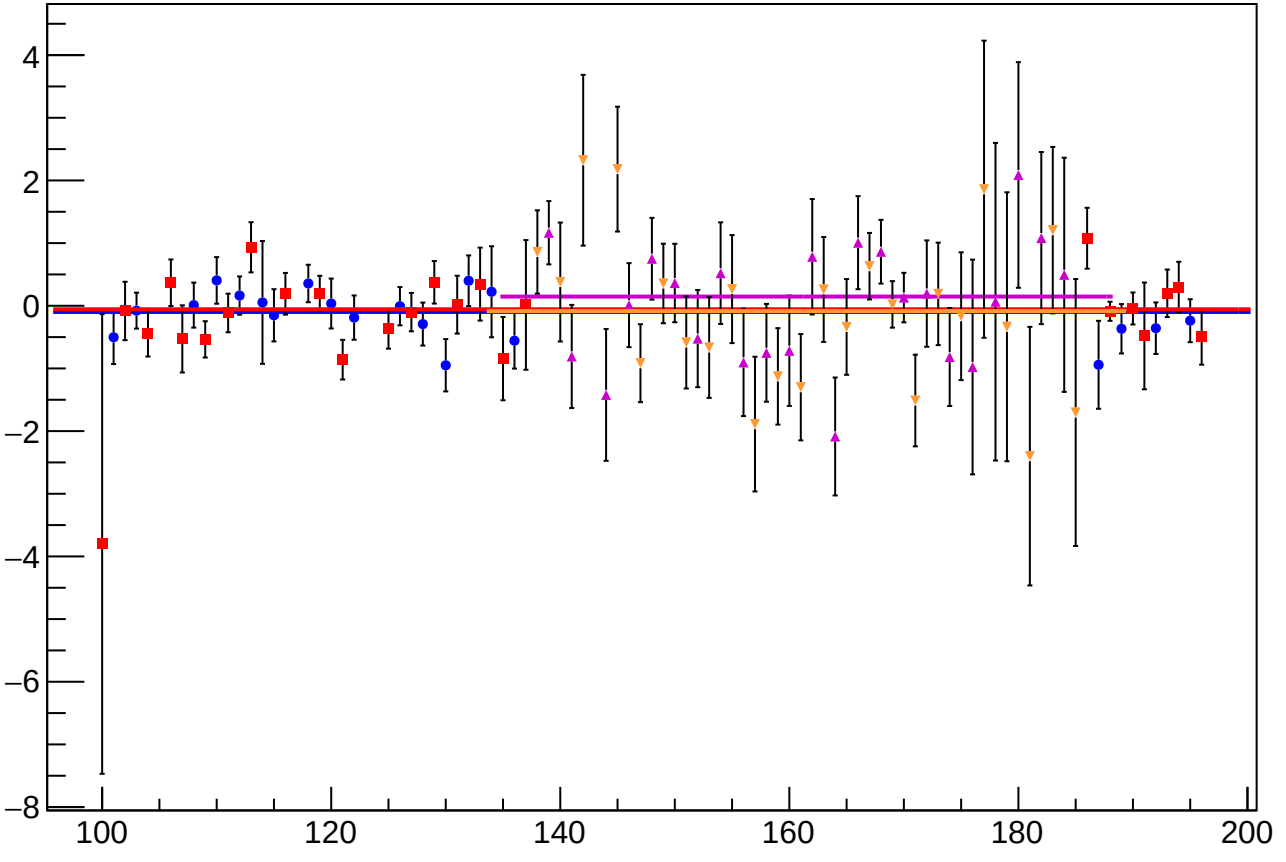
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11953466.1/44

All: 0.000+/-0.000 χ^2/NDF: 22099744.8/93

- sign 0.000+/-0.000 χ^2/NDF: 6435132.2/48

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

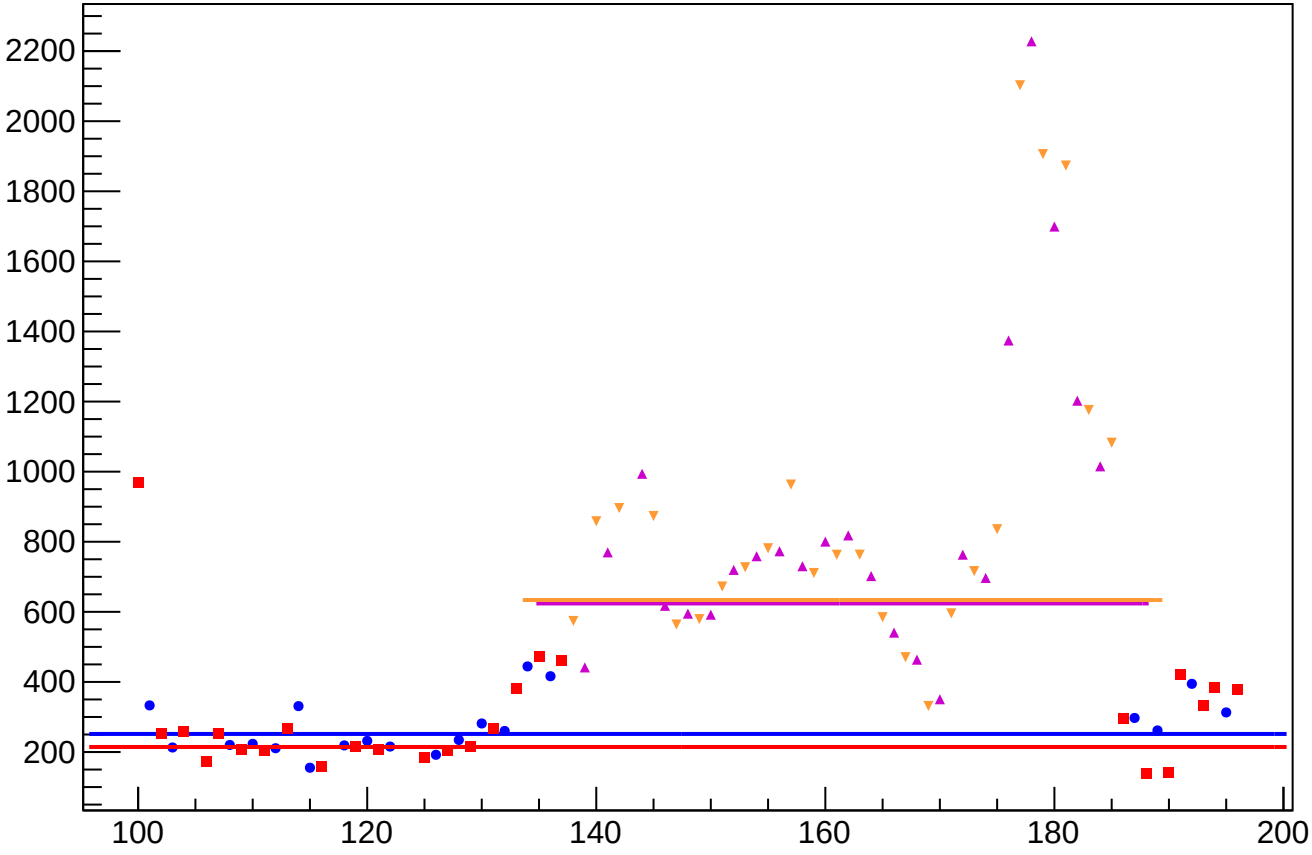
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.095+/-0.076 χ^2/NDF: 46.1/43

All: -0.053+/-0.049 χ^2/NDF: 107.9/91

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 251.582+/-0.061 χ^2/NDF: 1163606.9/19

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 214.391+/-0.049 χ^2/NDF: 2541428.3/24

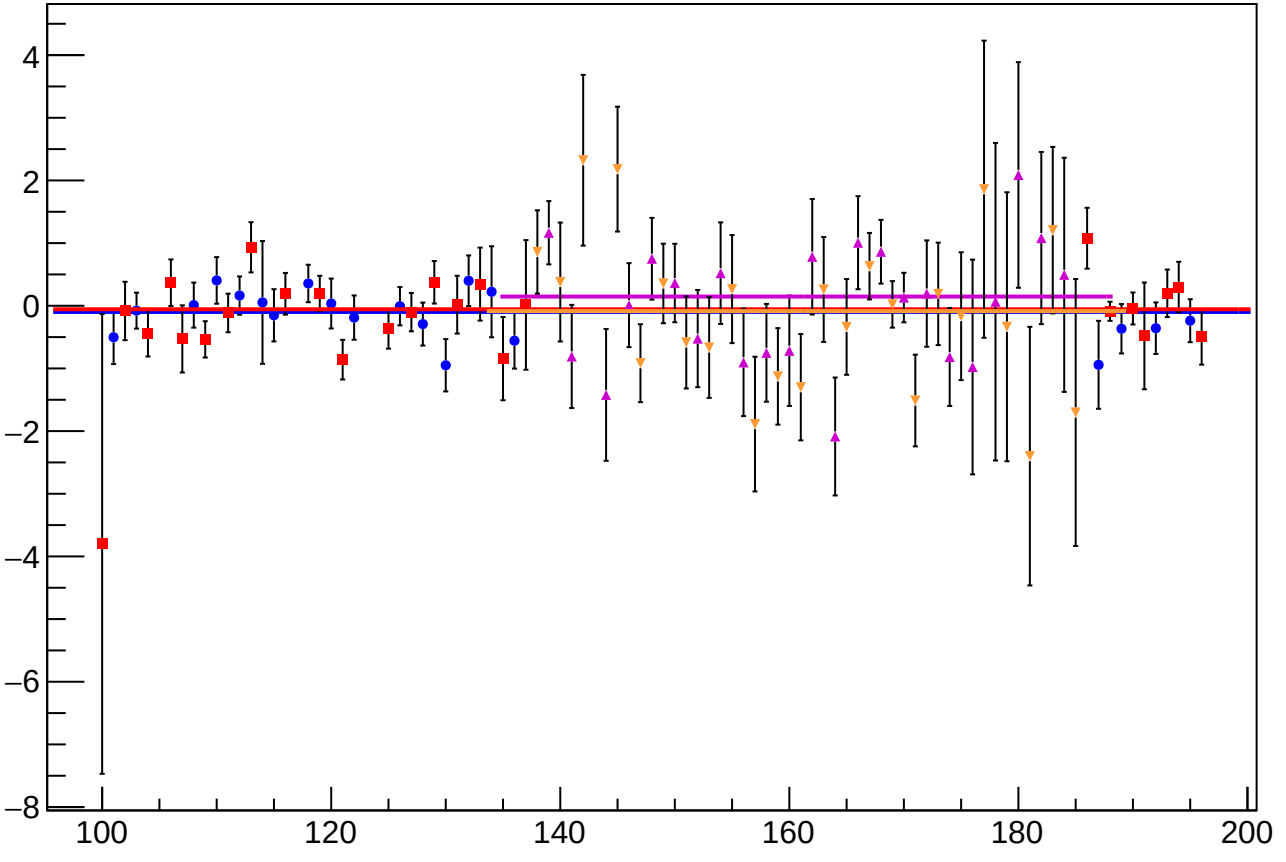
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 335.396+/-0.053 χ^2/NDF: 14904381.6/43

All: 303.590+/-0.034 χ^2/NDF: 33815311.1/91

- sign 280.954+/-0.045 χ^2/NDF: 18305098.1/47

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

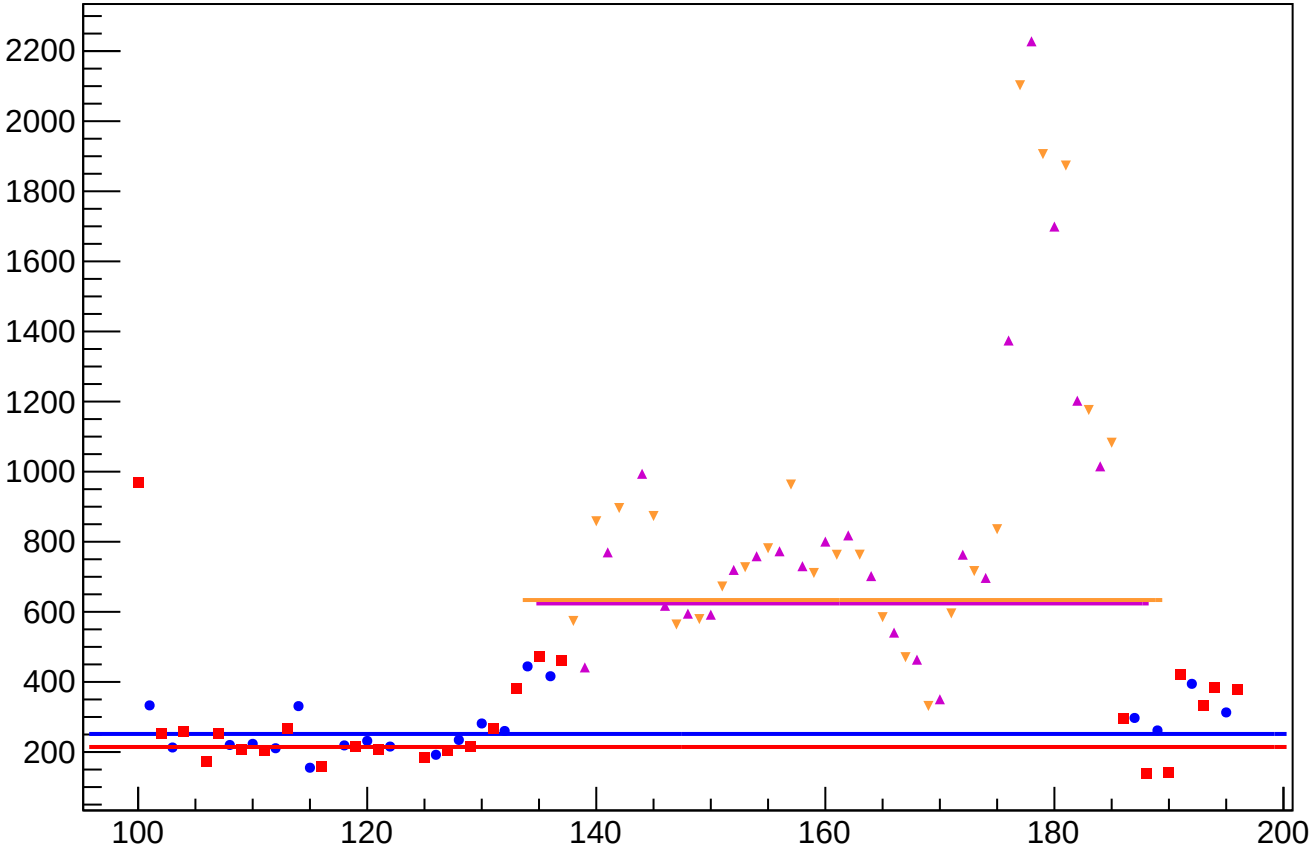
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.095+/-0.076 χ^2/NDF: 46.1/43

All: -0.053+/-0.049 χ^2/NDF: 107.9/91

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 251.582+/-0.061 χ^2/NDF: 1163606.9/19

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

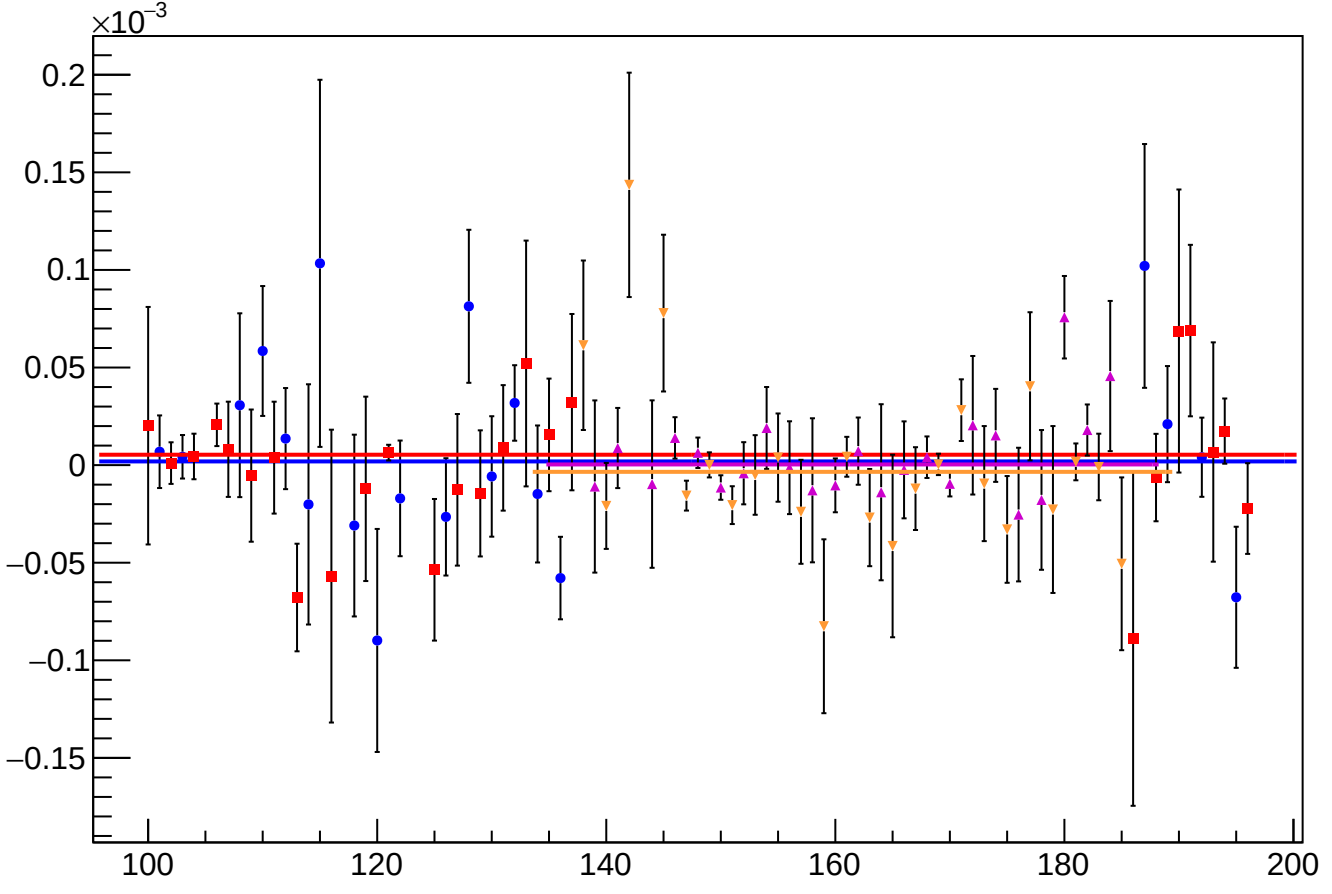
Right Out: 214.391+/-0.049 χ^2/NDF: 2541428.3/24

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 335.396+/-0.053 χ^2/NDF: 14904381.6/43

All: 303.590+/-0.034 χ^2/NDF: 33815311.1/91

- sign 280.954+/-0.045 χ^2/NDF: 18305098.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/24

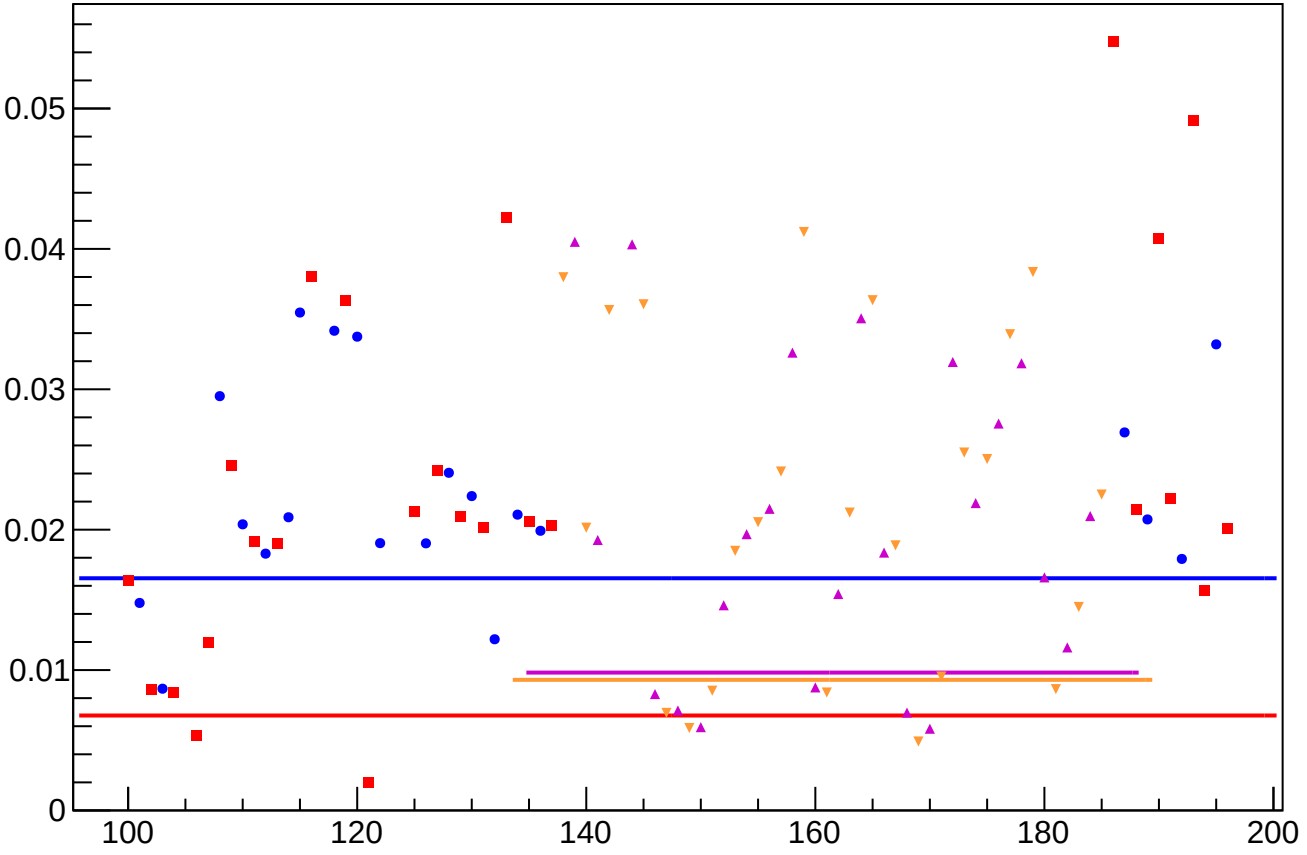
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.7/43

All: 0.000+/-0.000 χ^2/NDF: 118.3/91

- 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: 2648688.2/19

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 12781441.9/24

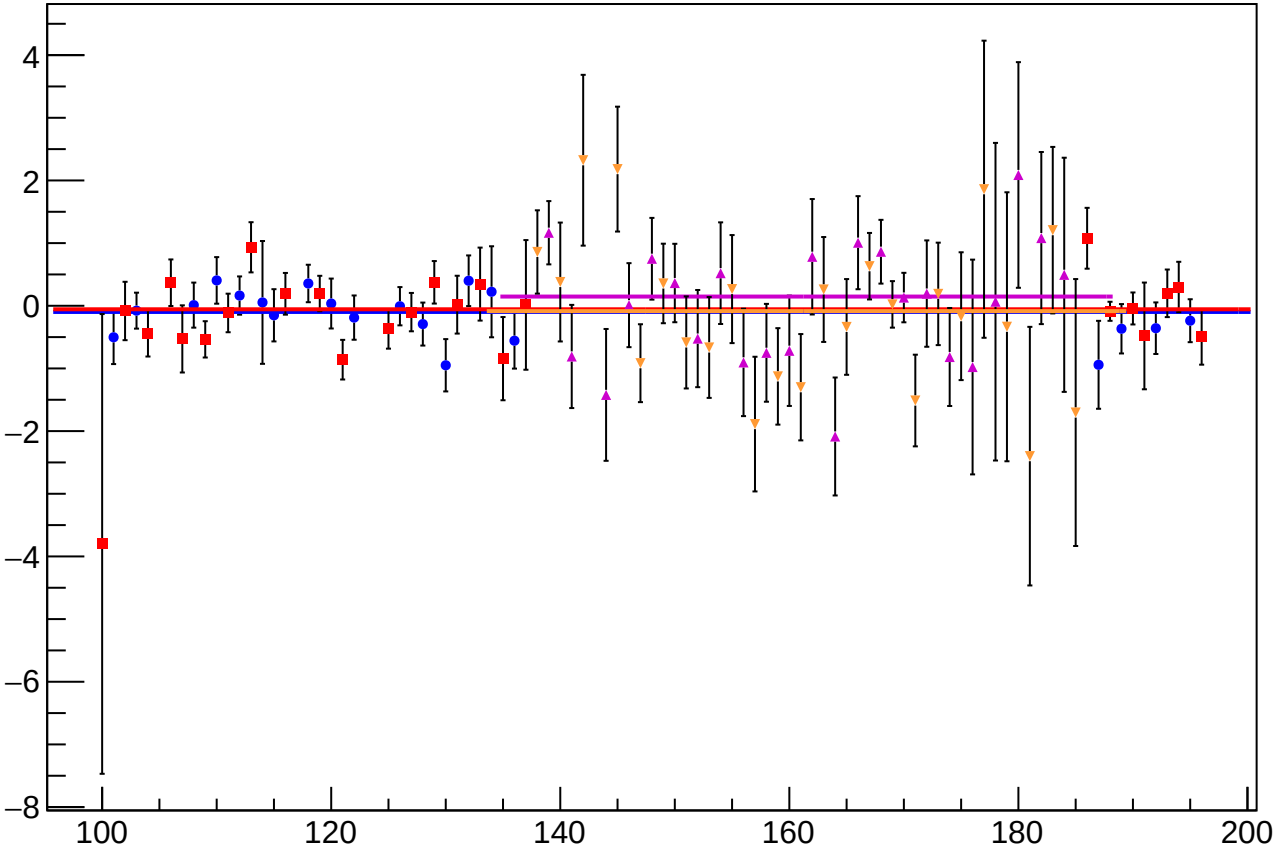
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17375174.6/43

All: 0.009+/-0.000 χ^2/NDF: 42453348.0/91

- sign 0.008+/-0.000 χ^2/NDF: 24139335.5/47

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

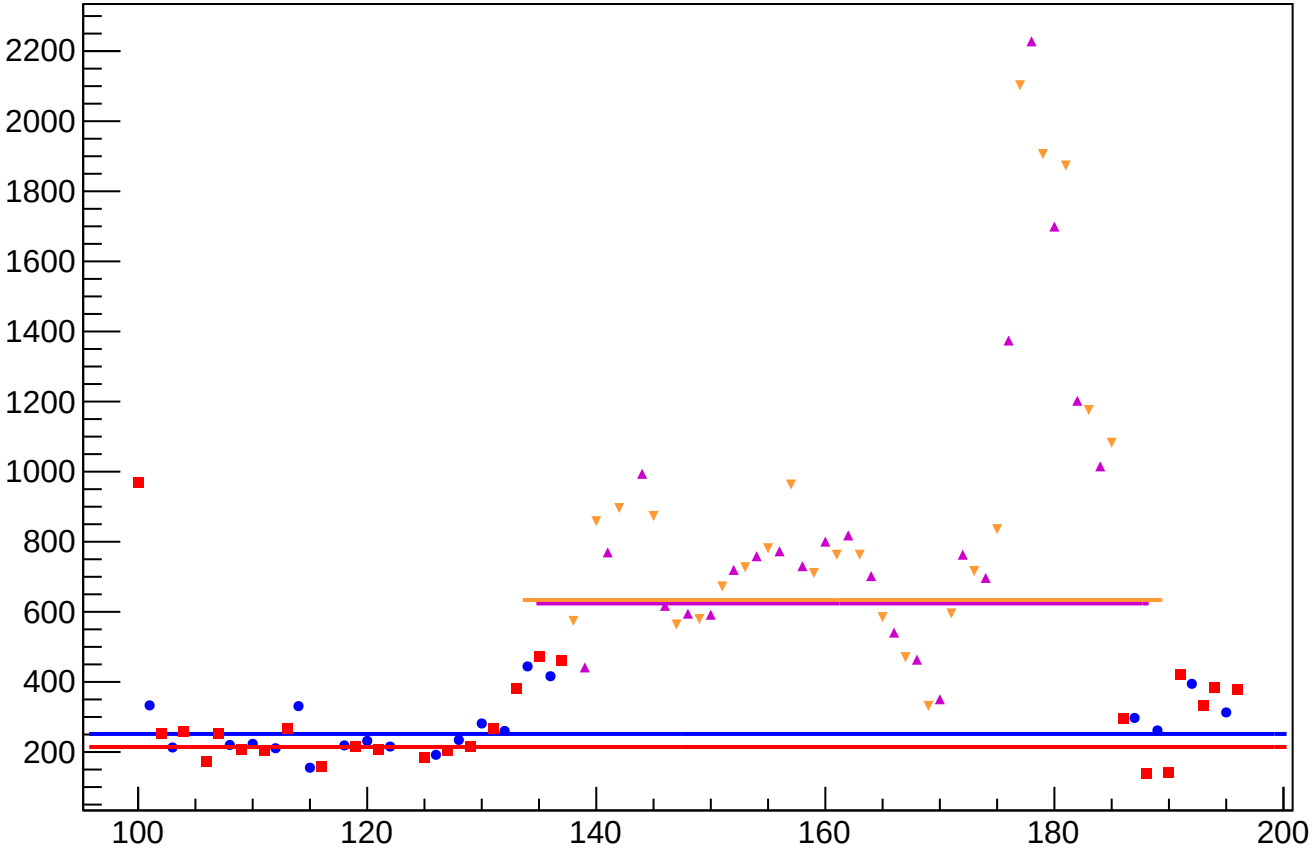
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.076 χ^2/NDF: 46.2/43

All: -0.053+/-0.049 χ^2/NDF: 107.9/91

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 251.582+/-0.061 χ^2/NDF: 1163556.0/19

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

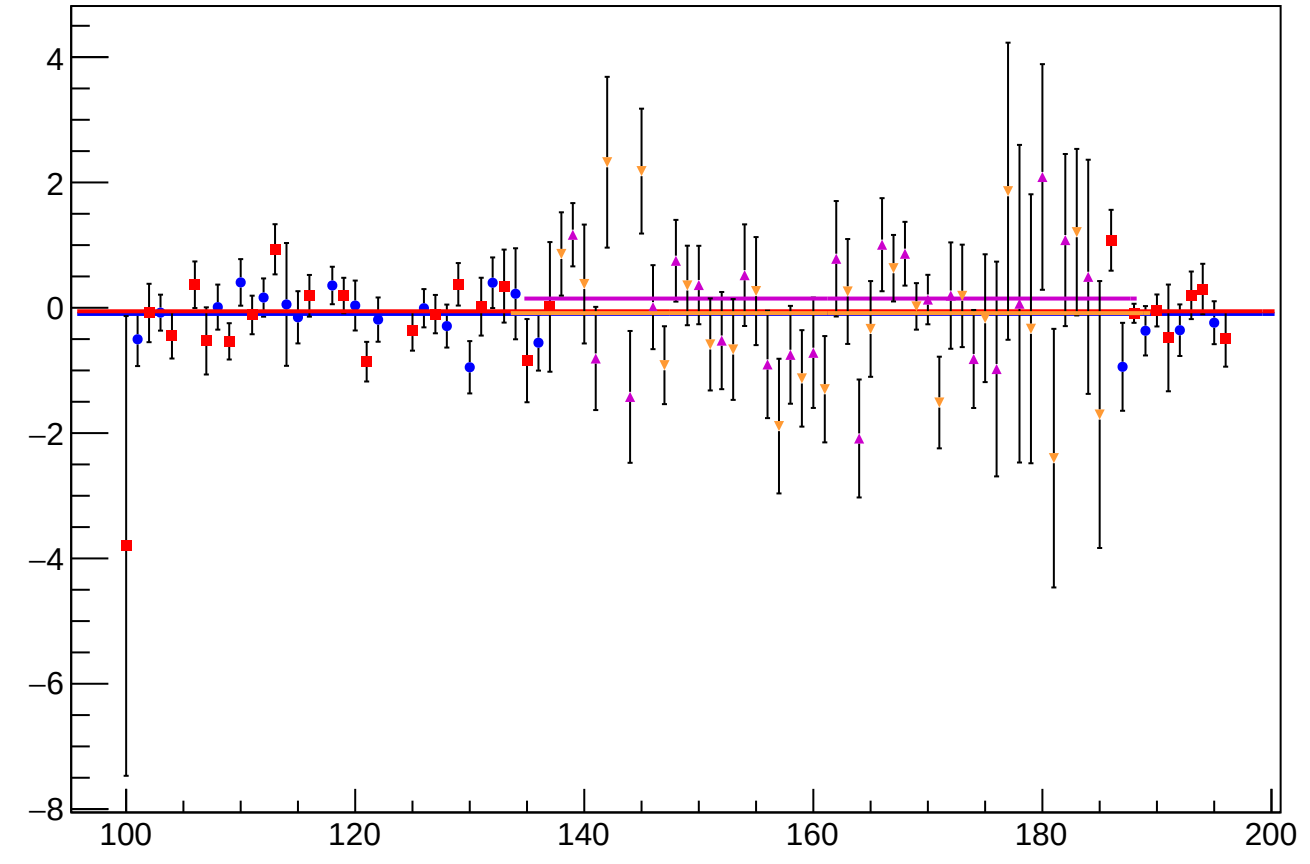
Right Out: 214.389+/-0.049 χ^2/NDF: 2541497.9/24

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 335.397+/-0.053 χ^2/NDF: 14904424.8/43

All: 303.589+/-0.034 χ^2/NDF: 33815826.2/91

- sign 280.951+/-0.045 χ^2/NDF: 18305477.2/47



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

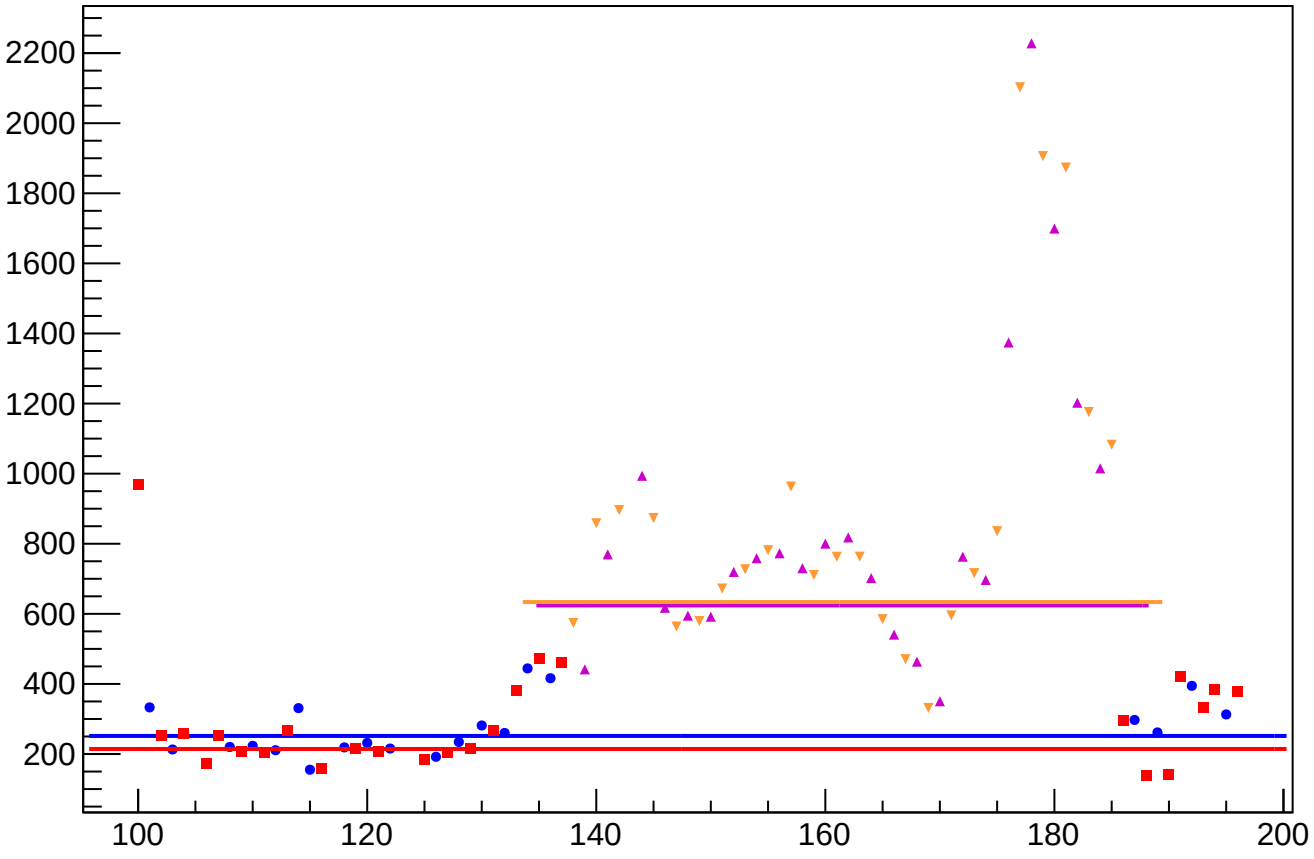
Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

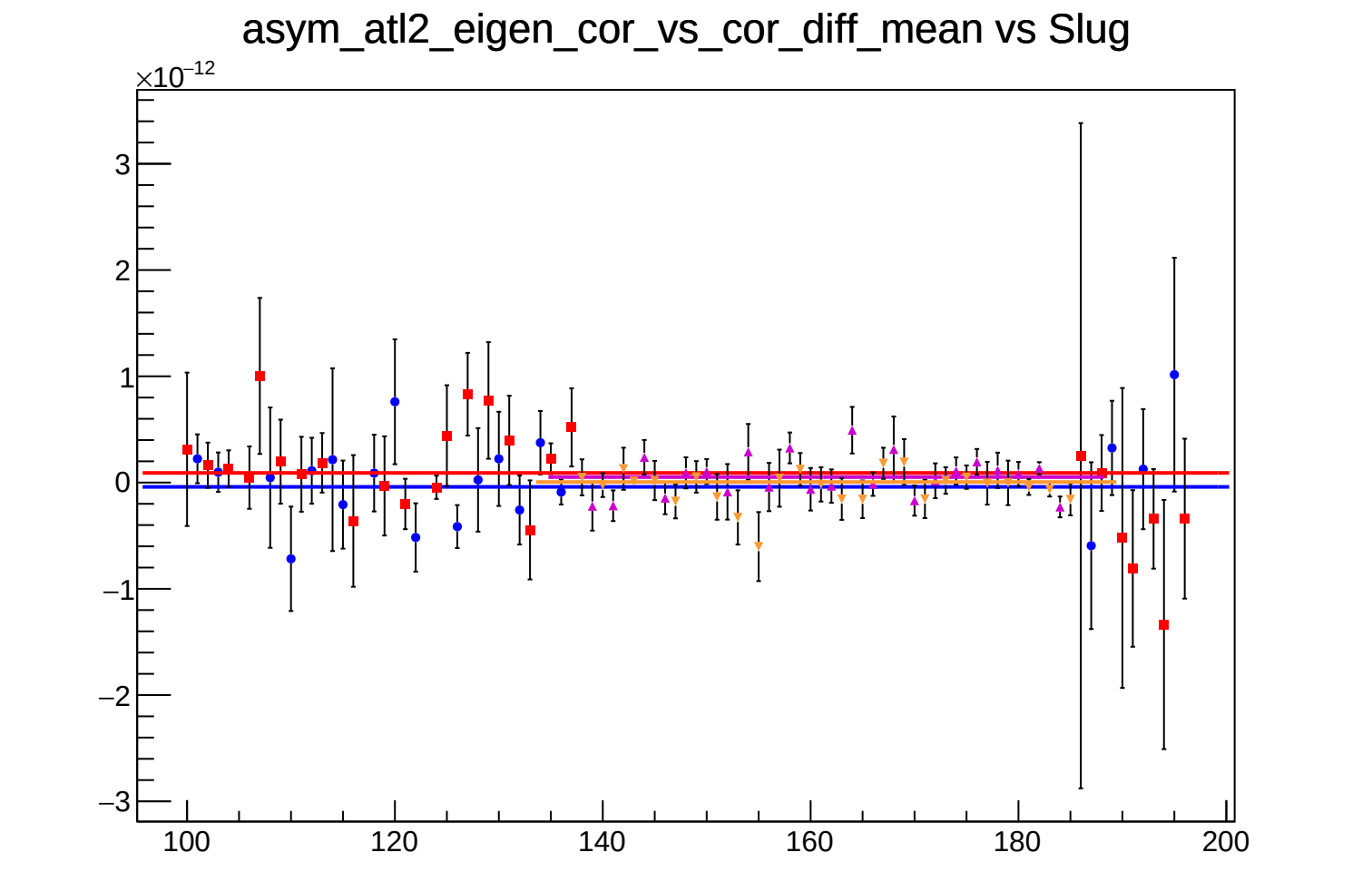
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.076 χ^2/NDF: 46.2/43

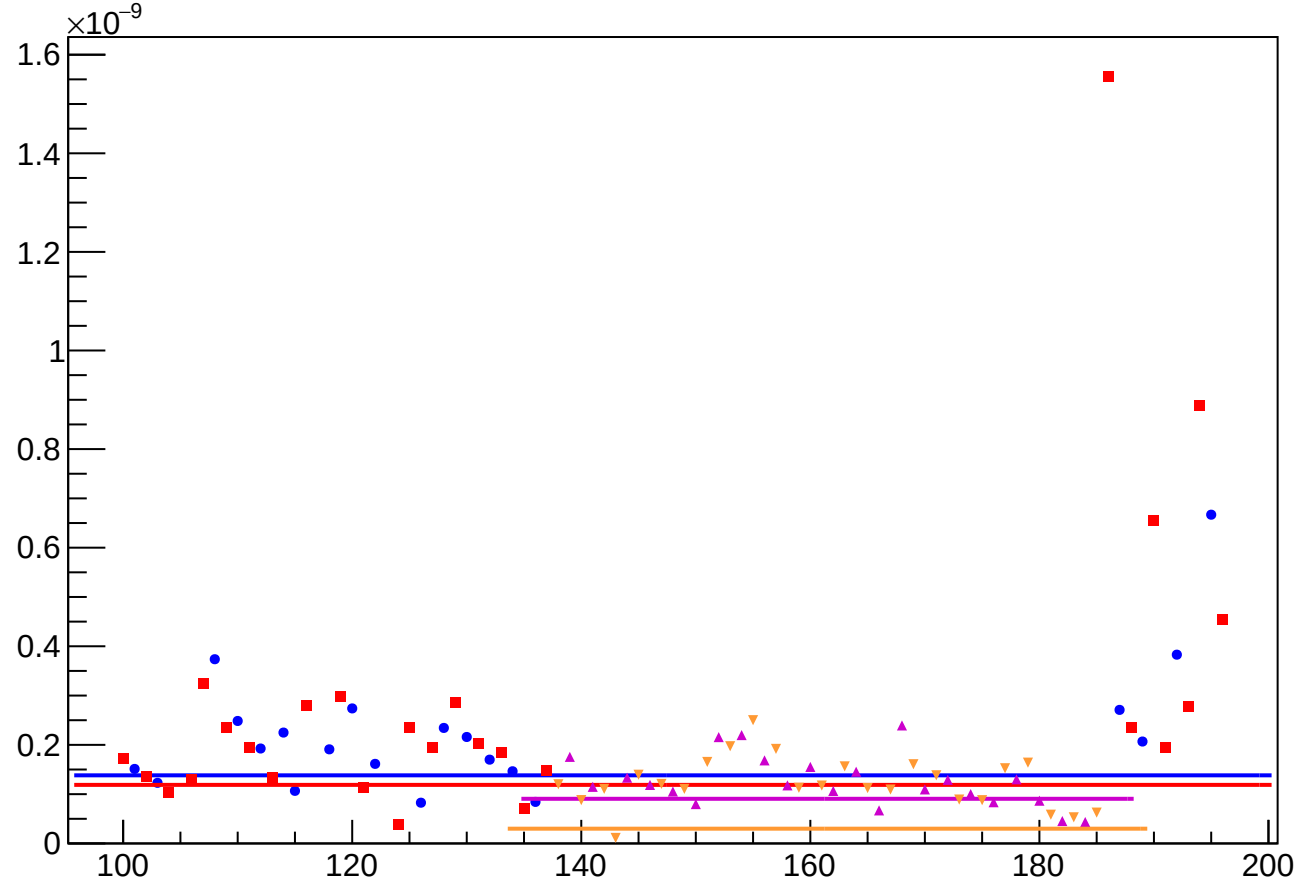
All: -0.053+/-0.049 χ^2/NDF: 107.9/91

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 251.582+/-0.061 χ²/NDF: 1163556.0/19
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 214.389+/-0.049 χ²/NDF: 2541497.9/24
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 335.397+/-0.053 χ²/NDF: 14904424.8/43
All: 303.589+/-0.034 χ²/NDF: 33815826.2/91
- sign 280.951+/-0.045 χ²/NDF: 18305477.2/47


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.0/19
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.8/25
Left In: 0.000+/-0.000 χ²/NDF:33.4/22
+ sign 0.000+/-0.000 χ²/NDF: 33.3/44
All: 0.000+/-0.000 χ²/NDF: 90.6/93
- sign 0.000+/-0.000 χ²/NDF: 53.5/48

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2304893.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5172046.5/25

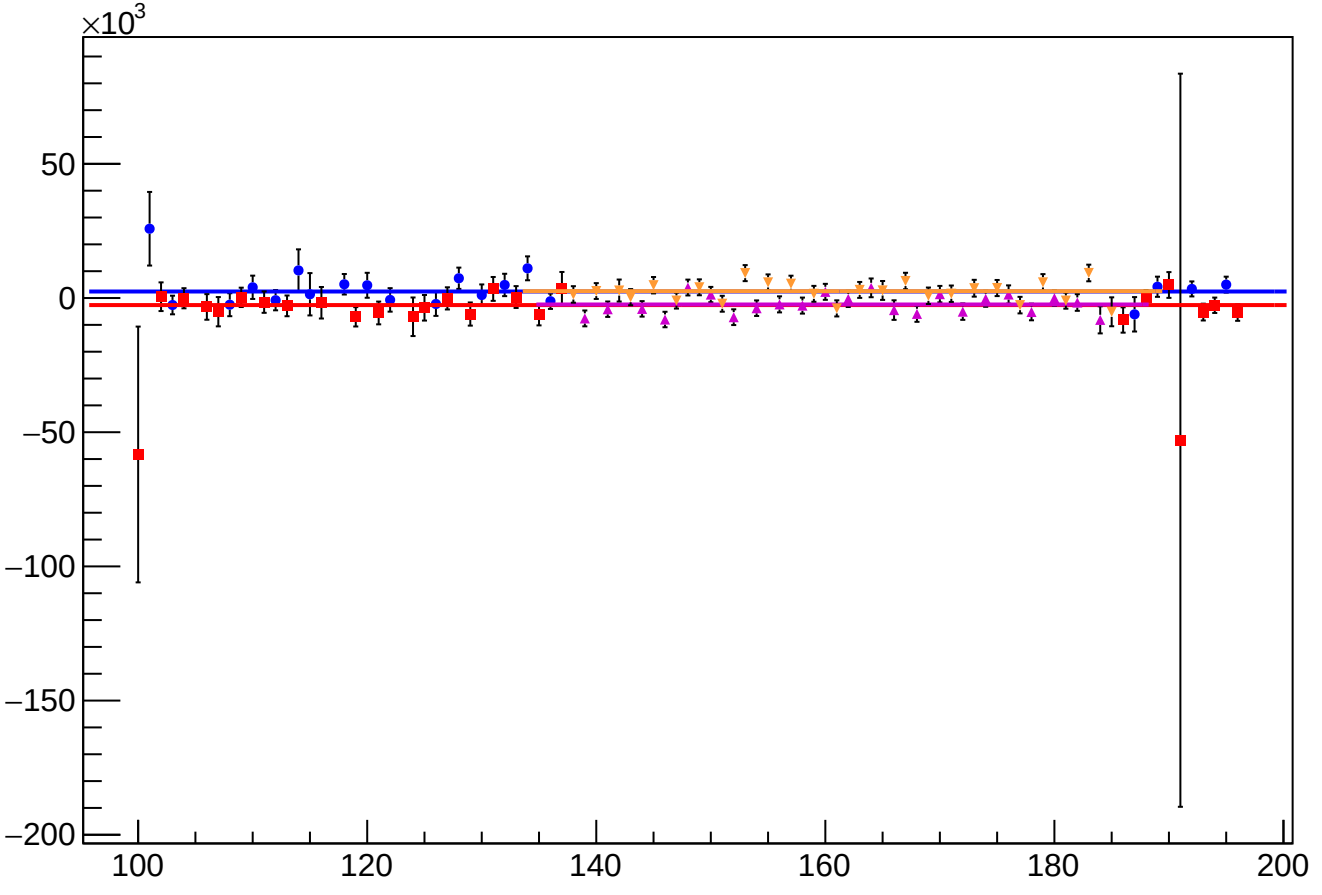
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24741560.3/44

All: 0.000+/-0.000 χ^2/NDF: 44409237.7/93

- sign 0.000+/-0.000 χ^2/NDF: 10280381.2/48

reg_asym_atr1_mean vs Slug



Right In: 2431.780+/-909.305 χ^2/NDF: 20.8/19

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2624.064+/-825.927 χ^2/NDF: 17.1/25

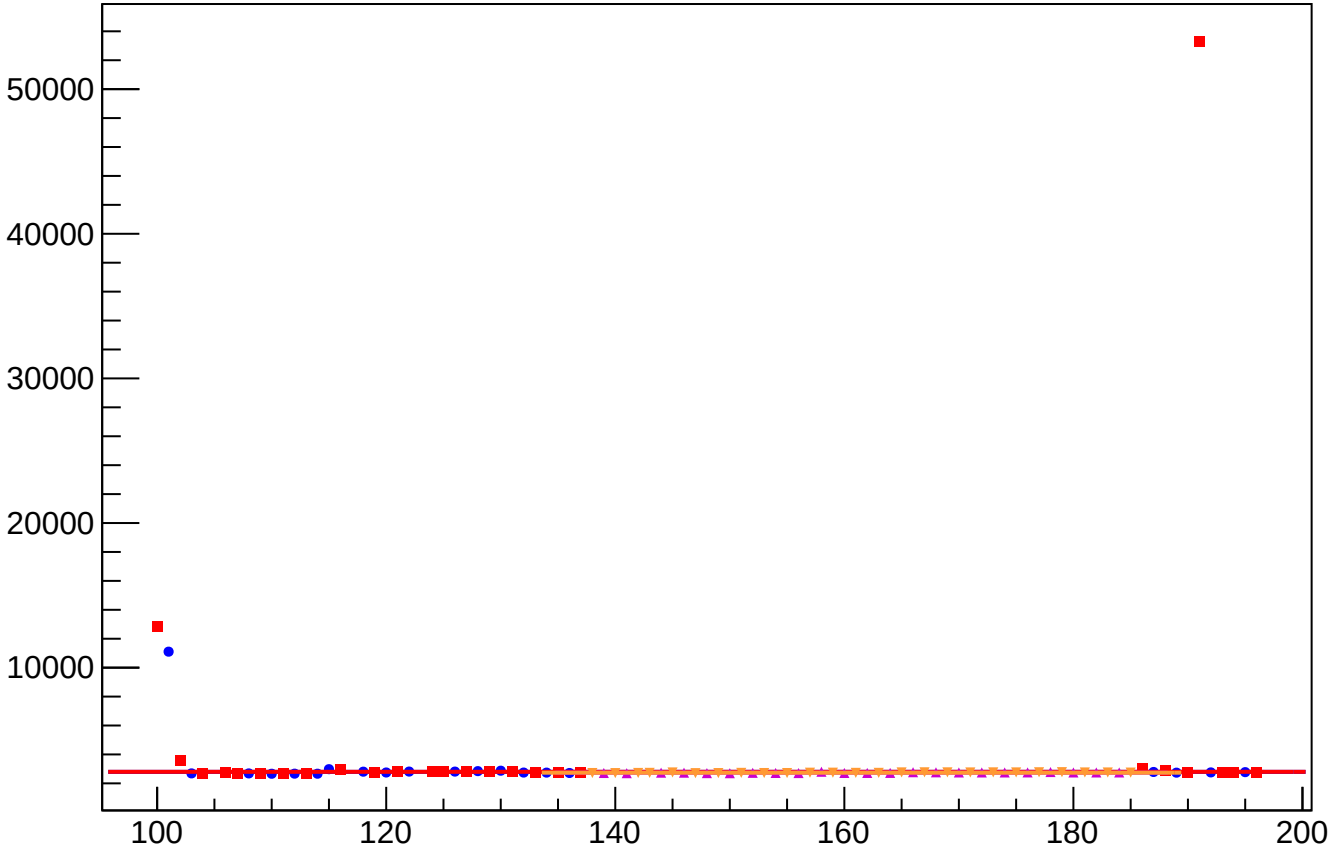
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.982+/-513.286 χ^2/NDF: 52.4/44

All: -23.099+/-360.257 χ^2/NDF: 149.1/93

- sign -2489.219+/-505.758 χ^2/NDF: 48.5/48

reg_asym_atr1_rms vs Slug



Right In: 2793.386+/-0.643 χ^2/NDF: 747299.4/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.457+/-0.584 χ^2/NDF: 478595.2/25

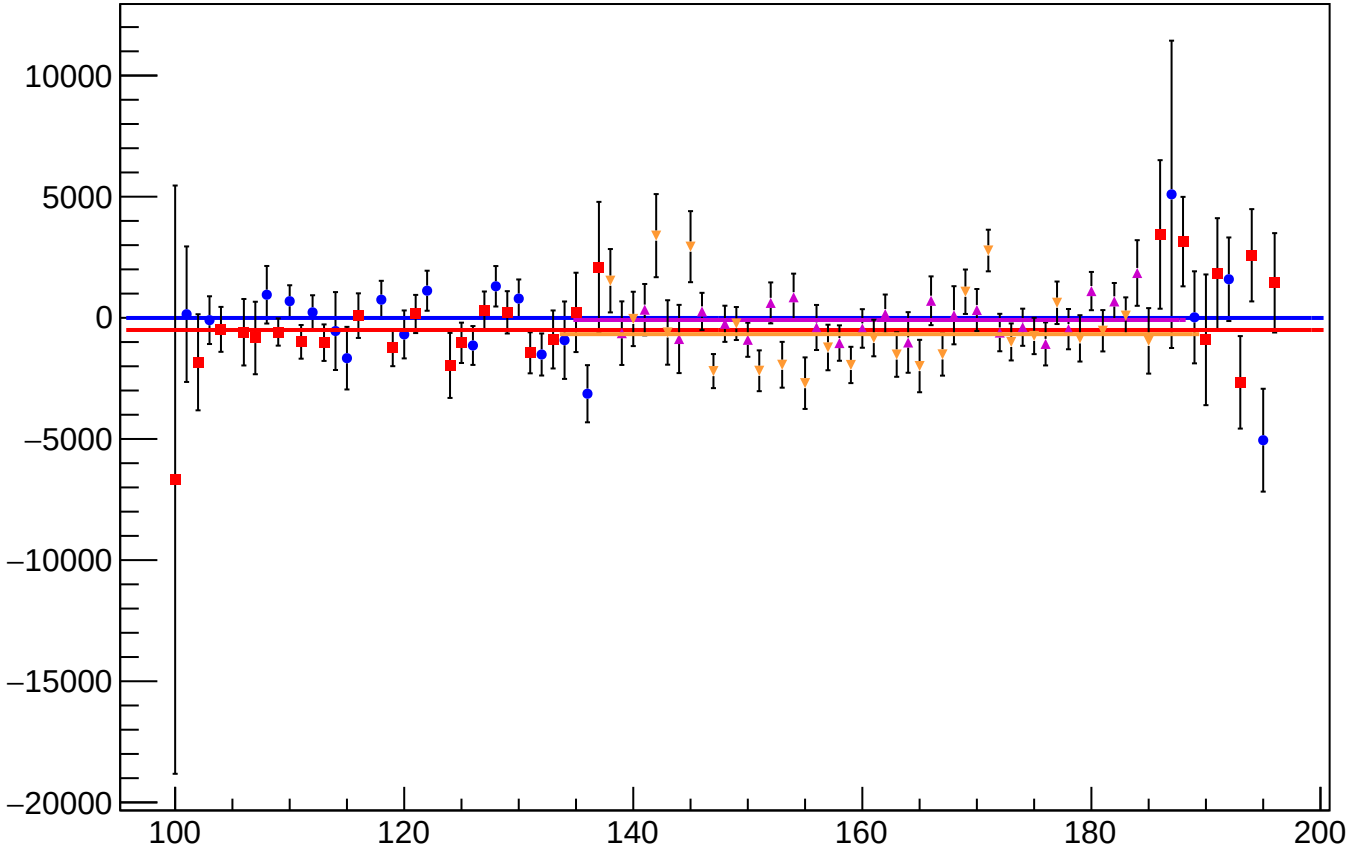
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.9/44

All: 2758.625+/-0.255 χ^2/NDF: 1243173.1/93

- sign 2761.835+/-0.358 χ^2/NDF: 488248.7/48

asym_atr1_reg_correction_mean vs Slug



Right In: -5.443+/-228.194 χ^2/NDF: 29.9/19

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -501.896+/-208.696 χ^2/NDF: 21.0/25

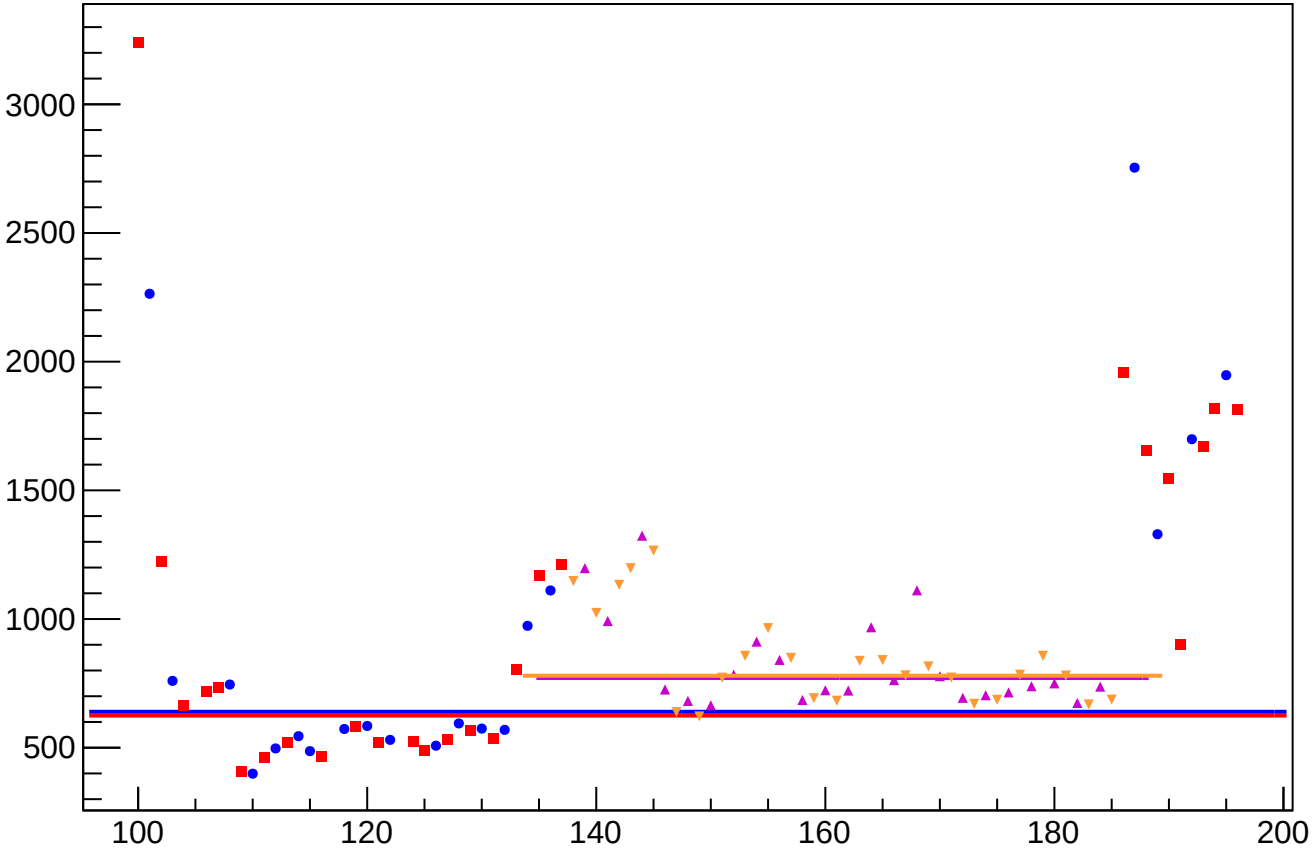
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -415.226+/-141.918 χ^2/NDF: 93.5/44

All: -340.123+/-98.864 χ^2/NDF: 132.1/93

- sign -269.314+/-137.802 χ^2/NDF: 38.0/48

asym_atr1_reg_correction_rms vs Slug



Right In: 639.564+/-0.161 χ^2/NDF: 3653699.5/19

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

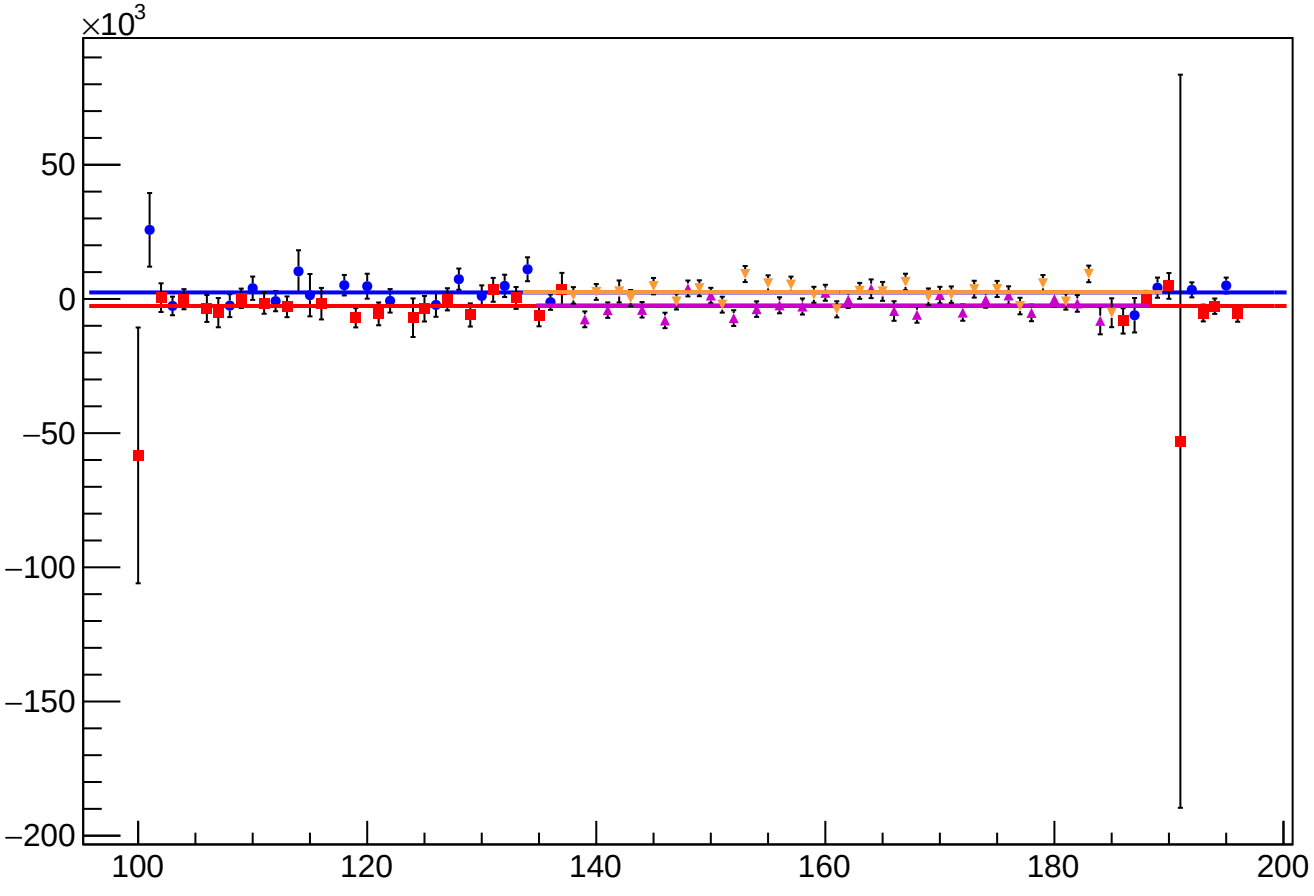
Right Out: 624.933+/-0.148 χ^2/NDF: 4651242.8/25

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 725.507+/-0.100 χ^2/NDF: 5360062.6/44

All: 716.084+/-0.070 χ^2/NDF: 11655812.5/93

- sign 707.199+/-0.097 χ^2/NDF: 6278618.4/48



Right In: 2431.285+/-909.306 χ^2/NDF: 20.7/19

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2628.456+/-827.136 χ^2/NDF: 17.1/25

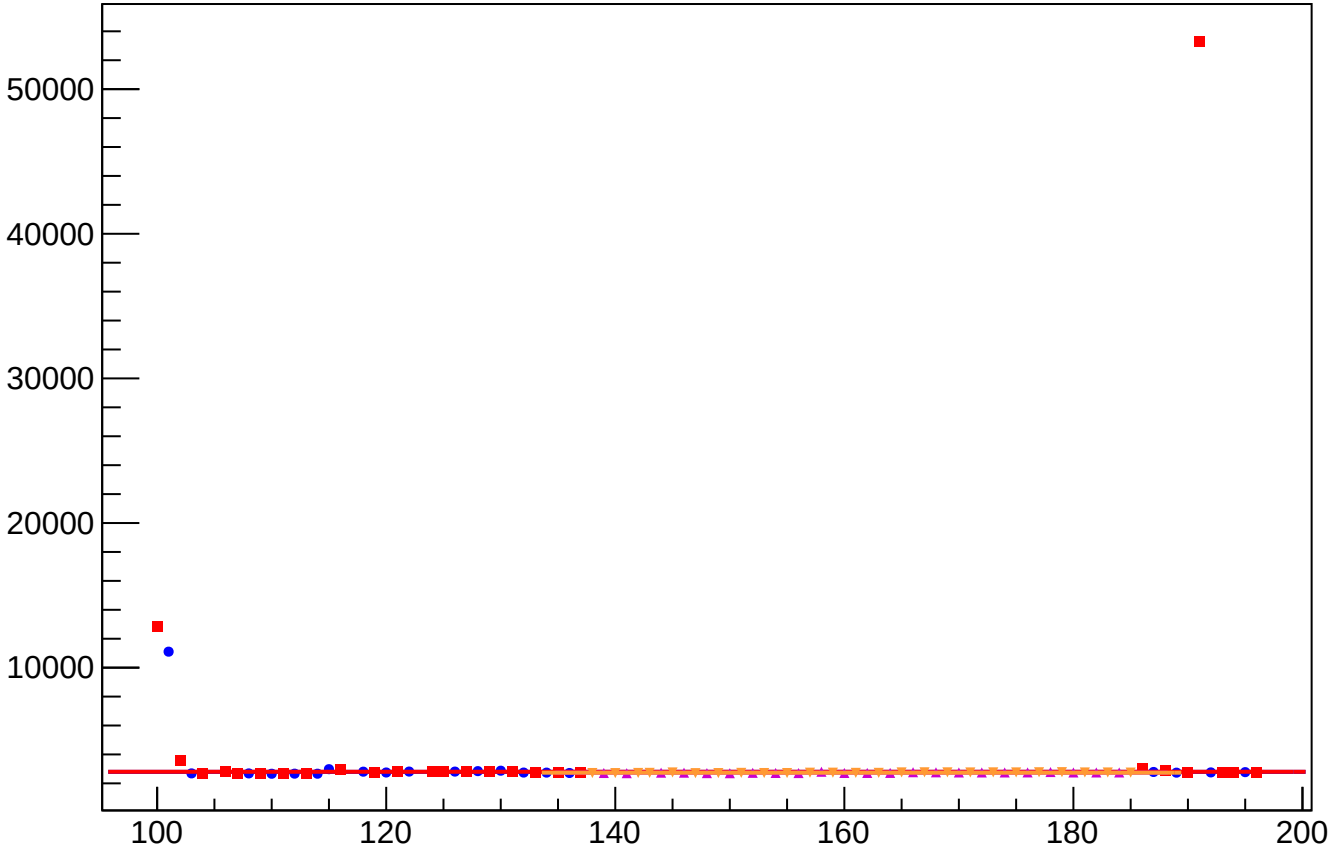
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.797+/-513.286 χ^2/NDF: 52.4/44

All: -22.623+/-360.357 χ^2/NDF: 149.1/93

- sign -2490.803+/-506.035 χ^2/NDF: 48.5/48

cor_asym_atr1_rms vs Slug



Right In: 2793.386+/-0.643 χ^2/NDF: 747298.5/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.875+/-0.585 χ^2/NDF: 478168.1/25

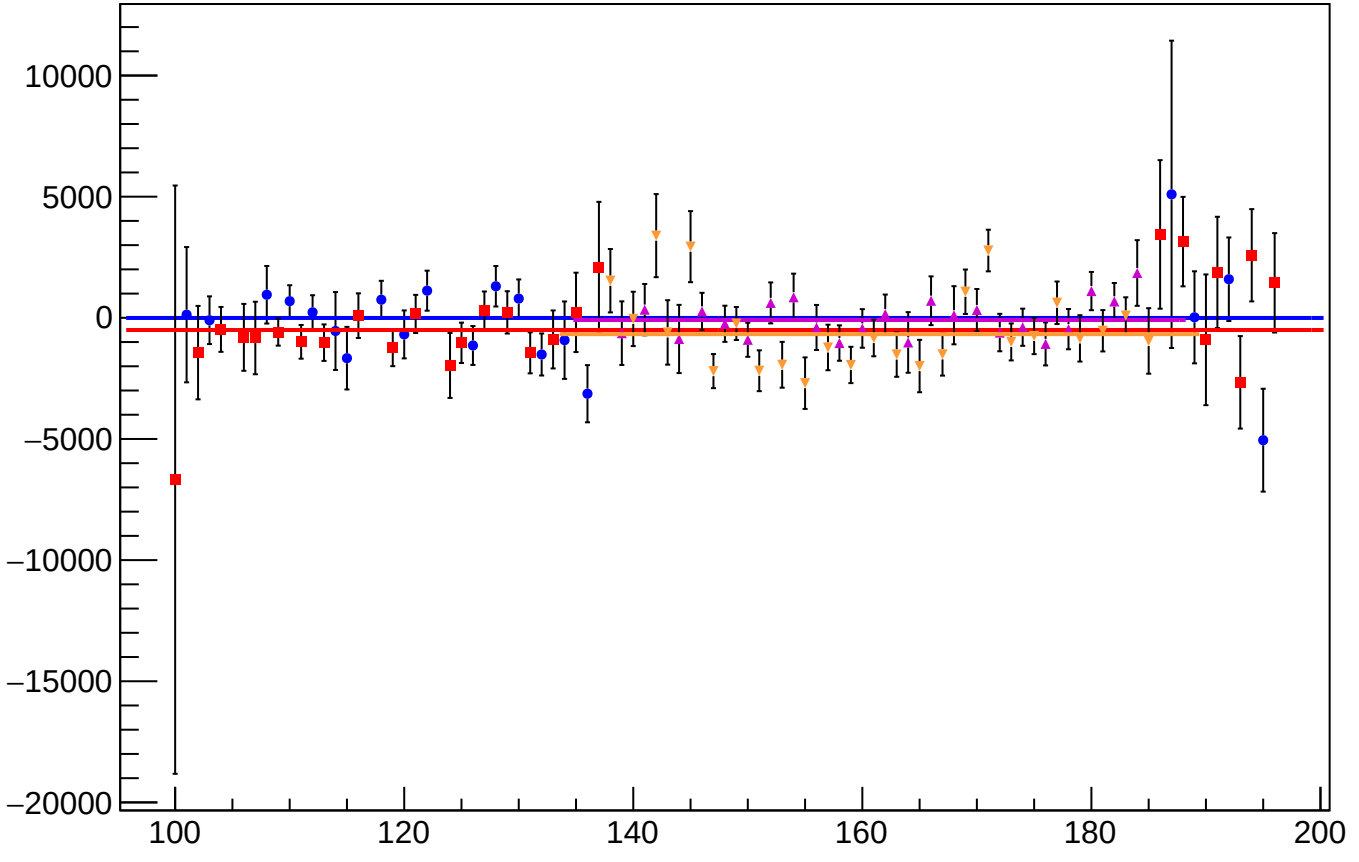
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.0/44

All: 2759.252+/-0.255 χ^2/NDF: 1243555.6/93

- sign 2763.074+/-0.358 χ^2/NDF: 488564.1/48

asym_atr1_cor_correction_mean vs Slug



Right In: -5.472+/-228.184 χ^2/NDF: 29.9/19

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -502.736+/-208.660 χ^2/NDF: 20.9/25

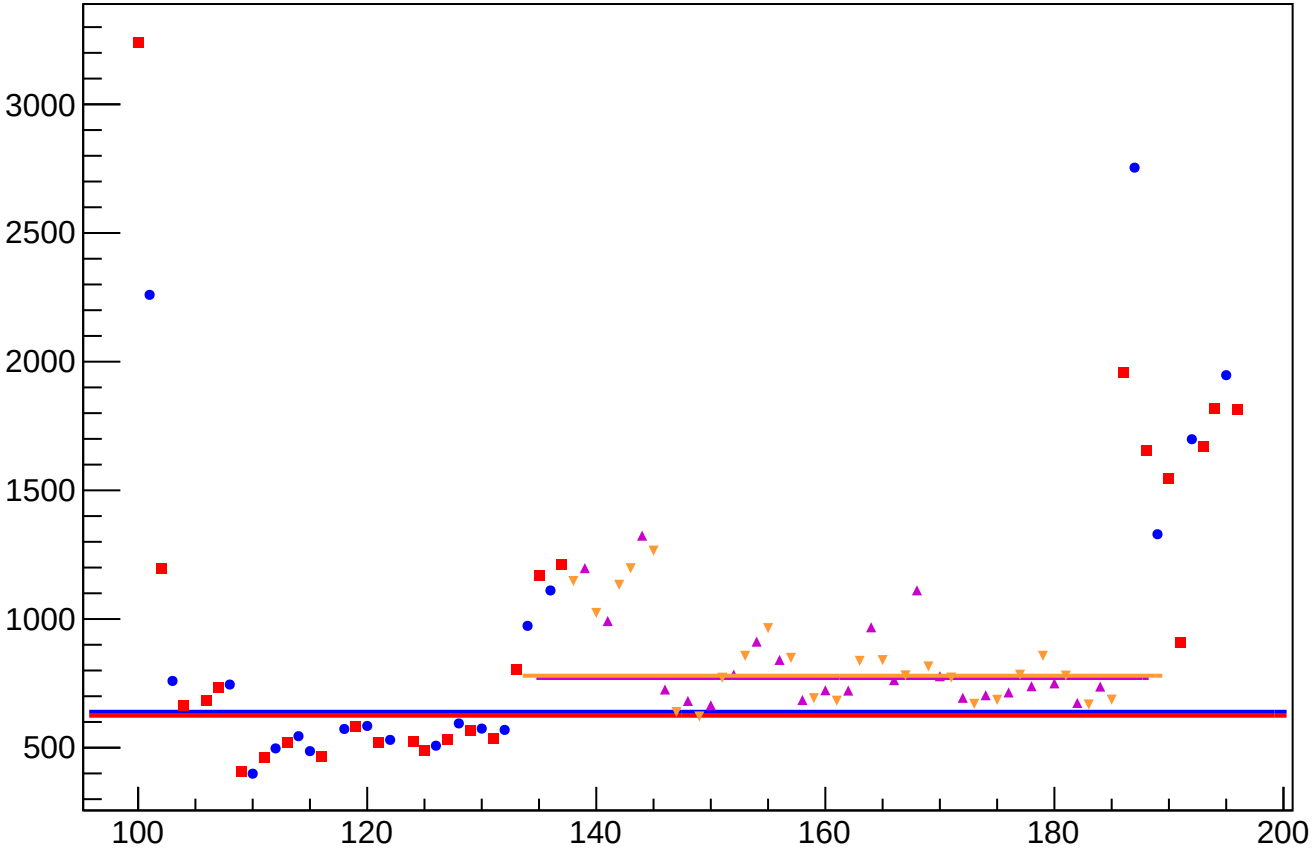
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -415.170+/-141.916 χ^2/NDF: 93.5/44

All: -340.335+/-98.859 χ^2/NDF: 131.9/93

- sign -269.786+/-137.792 χ^2/NDF: 37.9/48

asym_atr1_cor_correction_rms vs Slug



Right In: 639.558+/-0.161 χ^2/NDF: 3652723.7/19

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 624.247+/-0.148 χ^2/NDF: 4641912.1/25

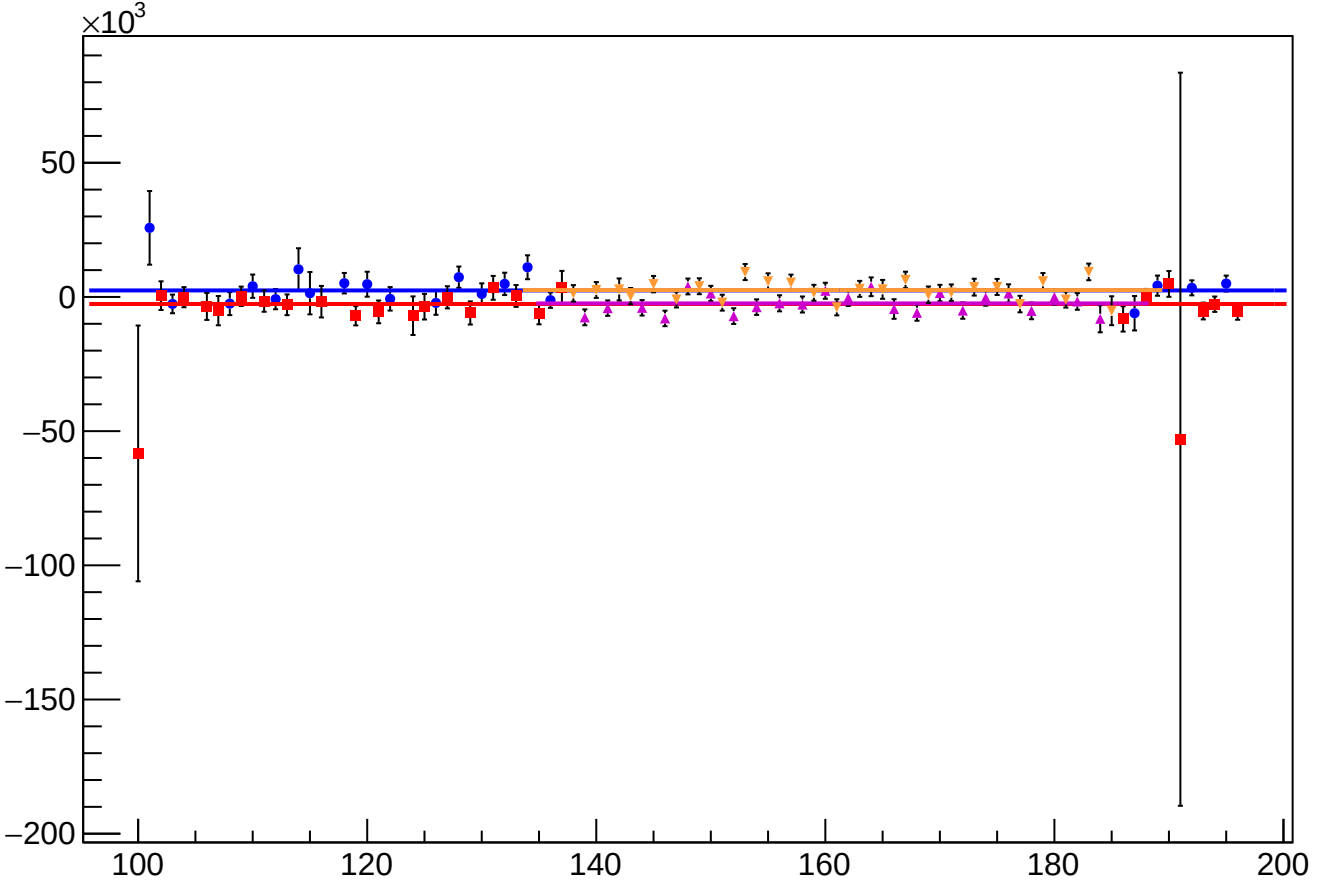
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 725.500+/-0.100 χ^2/NDF: 5359169.5/44

All: 715.921+/-0.070 χ^2/NDF: 11651428.8/93

- sign 706.890+/-0.097 χ^2/NDF: 6274554.9/48

eigen_cor_asym_atr1_mean vs Slug



Right In: 2431.285+/-909.306 χ^2/NDF: 20.7/19

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2628.456+/-827.136 χ^2/NDF: 17.1/25

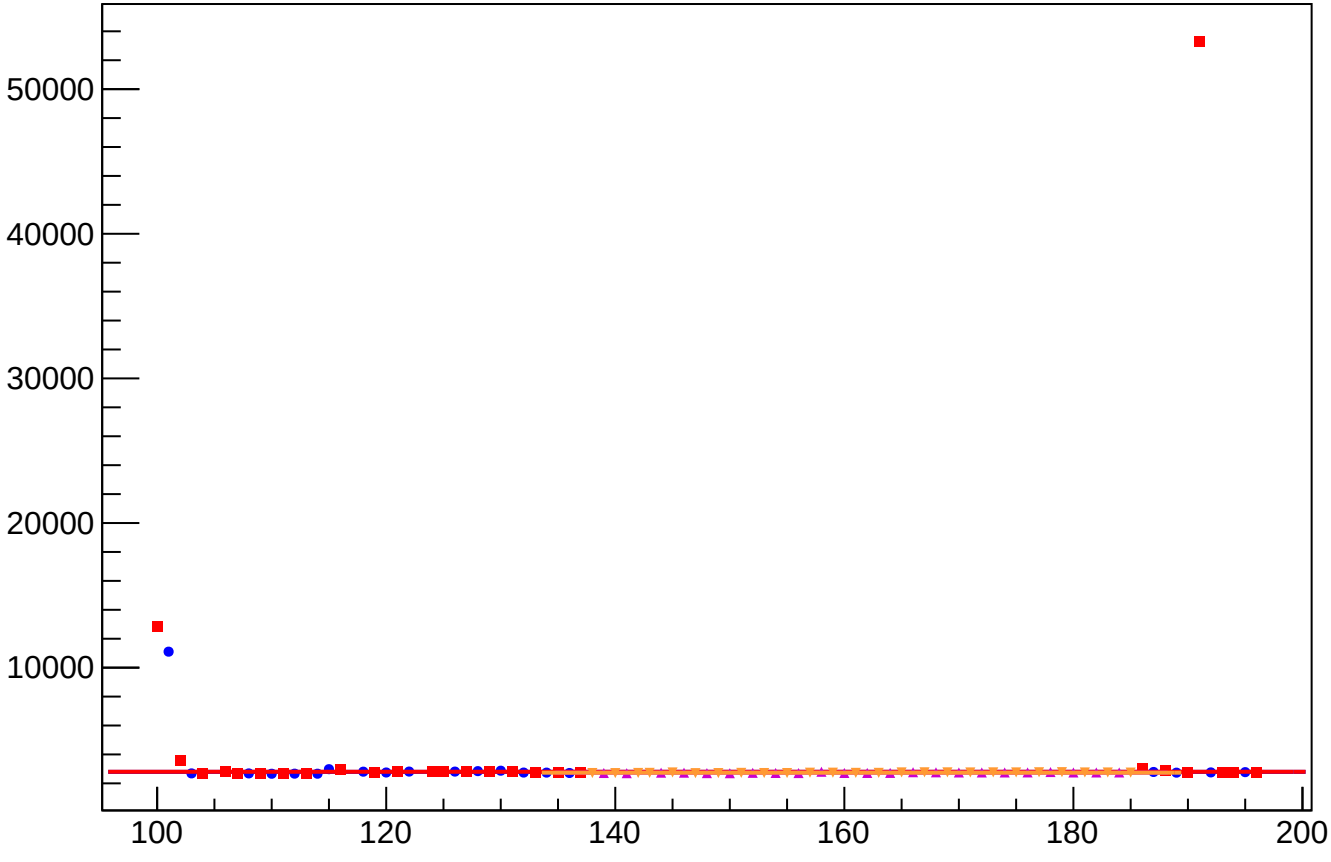
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.797+/-513.286 χ^2/NDF: 52.4/44

All: -22.623+/-360.357 χ^2/NDF: 149.1/93

- sign -2490.803+/-506.035 χ^2/NDF: 48.5/48

eigen_cor_asym_atr1_rms vs Slug



Right In: 2793.386+/-0.643 χ^2/NDF: 747298.5/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.875+/-0.585 χ^2/NDF: 478168.1/25

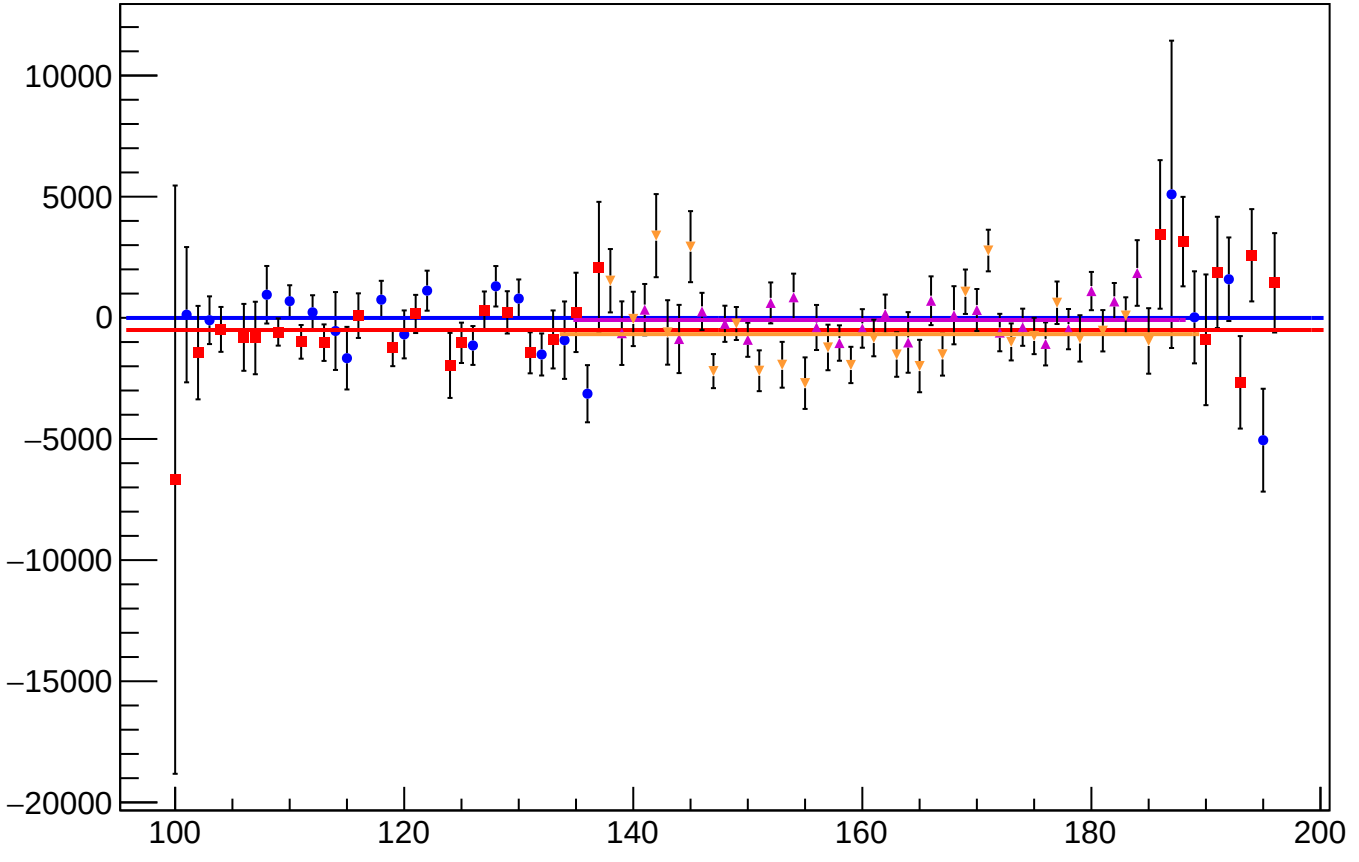
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.0/44

All: 2759.252+/-0.255 χ^2/NDF: 1243555.6/93

- sign 2763.074+/-0.358 χ^2/NDF: 488564.1/48

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -5.472+/-228.184 χ^2/NDF: 29.9/19

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -502.736+/-208.660 χ^2/NDF: 20.9/25

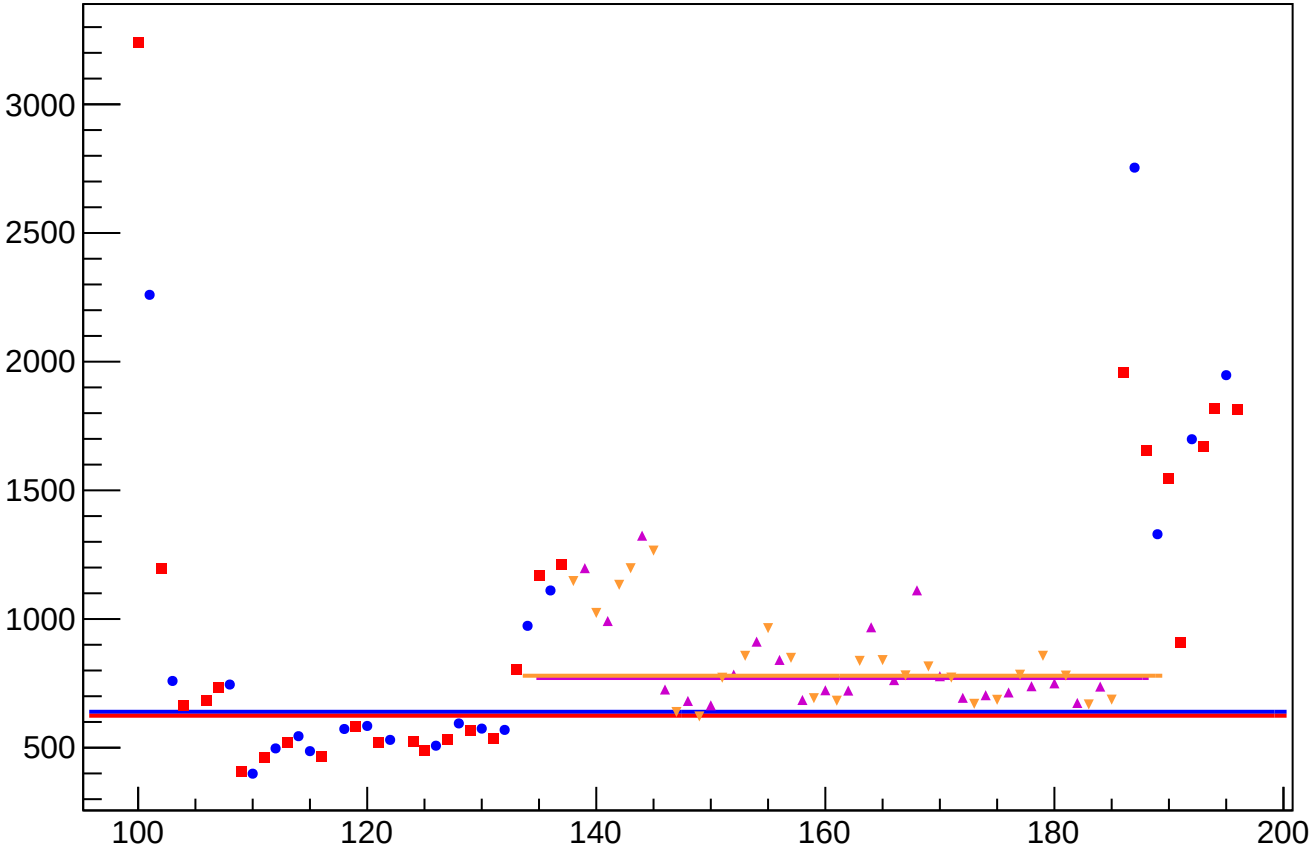
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -415.170+/-141.916 χ^2/NDF: 93.5/44

All: -340.335+/-98.859 χ^2/NDF: 131.9/93

- sign -269.786+/-137.792 χ^2/NDF: 37.9/48

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 639.558+/-0.161 χ^2/NDF: 3652723.7/19

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 624.247+/-0.148 χ^2/NDF: 4641912.1/25

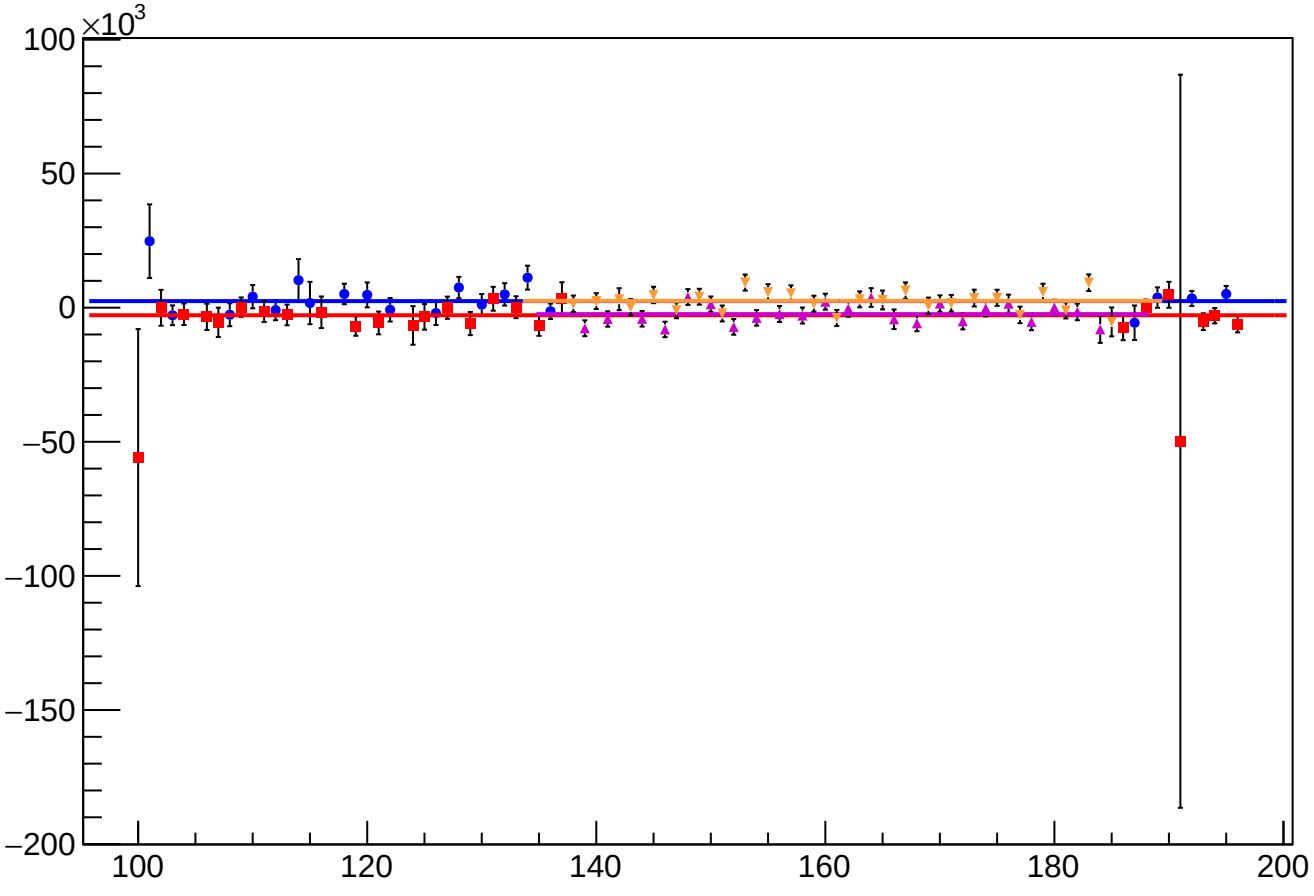
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 725.500+/-0.100 χ^2/NDF: 5359169.5/44

All: 715.921+/-0.070 χ^2/NDF: 11651428.8/93

- sign 706.890+/-0.097 χ^2/NDF: 6274554.9/48

dit_asym_atr1_mean vs Slug



Right In: 2446.036+/-914.923 χ^2/NDF: 20.6/19

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2827.386+/-834.599 χ^2/NDF: 16.2/25

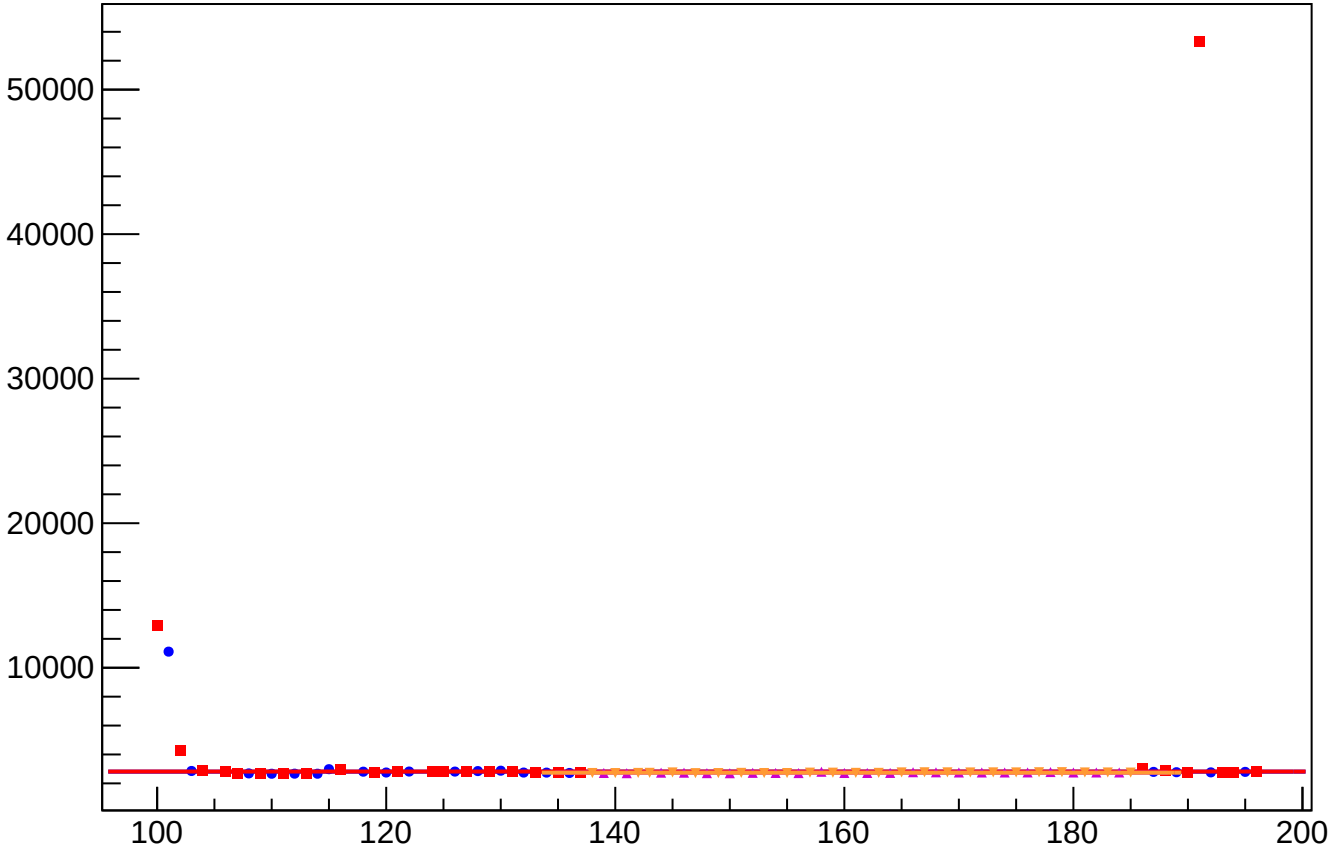
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2513.732+/-514.520 χ^2/NDF: 52.5/44

All: -57.259+/-361.461 χ^2/NDF: 150.0/93

- sign -2562.602+/-507.909 χ^2/NDF: 48.1/48

dit_asym_atr1_rms vs Slug



Right In: 2810.750+/-0.647 χ^2/NDF: 745066.2/19

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

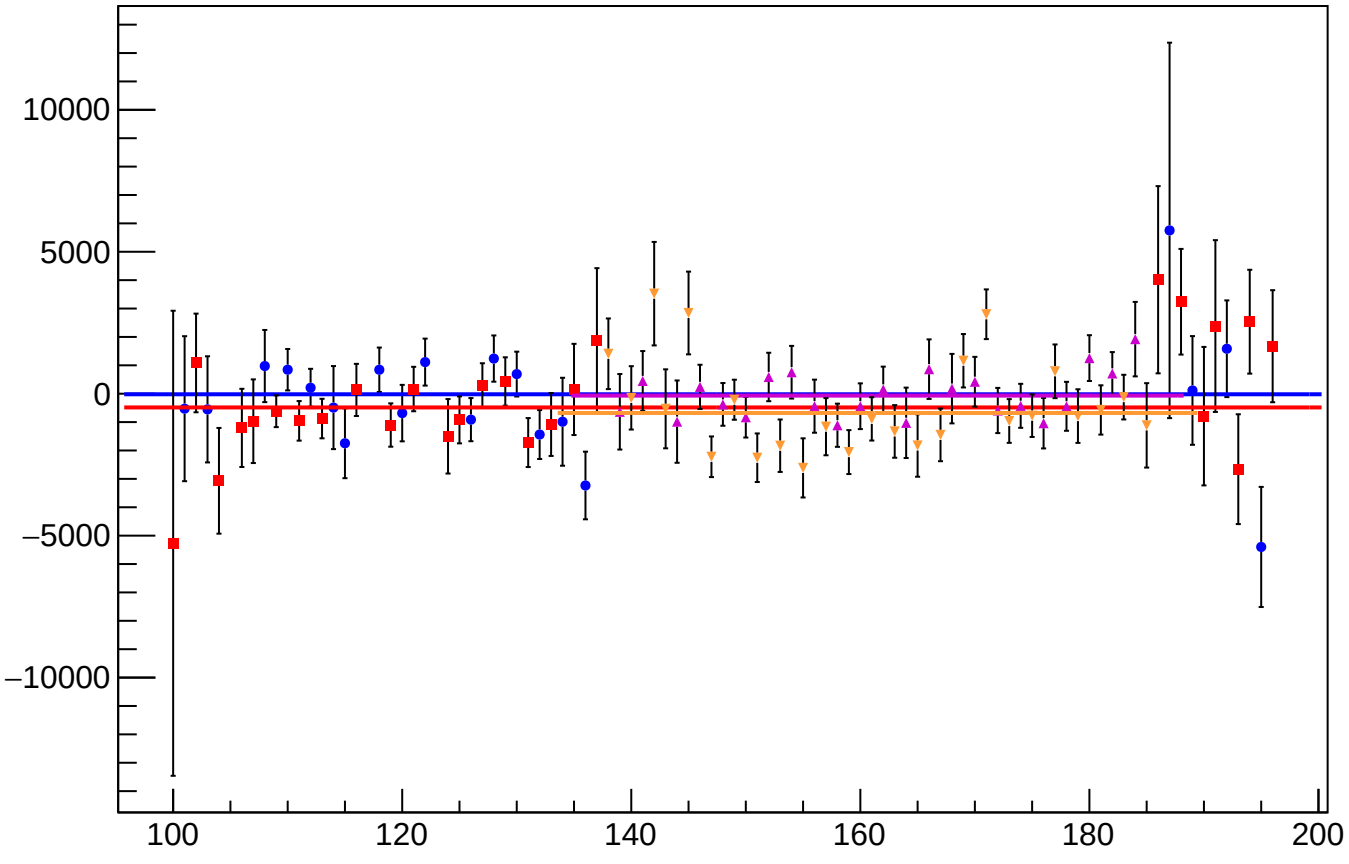
Right Out: 2819.139+/-0.590 χ^2/NDF: 531306.5/25

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2761.899+/-0.364 χ^2/NDF: 755727.4/44

All: 2766.096+/-0.256 χ^2/NDF: 1301594.7/93

- sign 2770.185+/-0.359 χ^2/NDF: 545604.5/48



Right In: -20.005+/-231.875 χ^2/NDF: 30.9/19

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -483.930+/-209.893 χ^2/NDF: 24.4/25

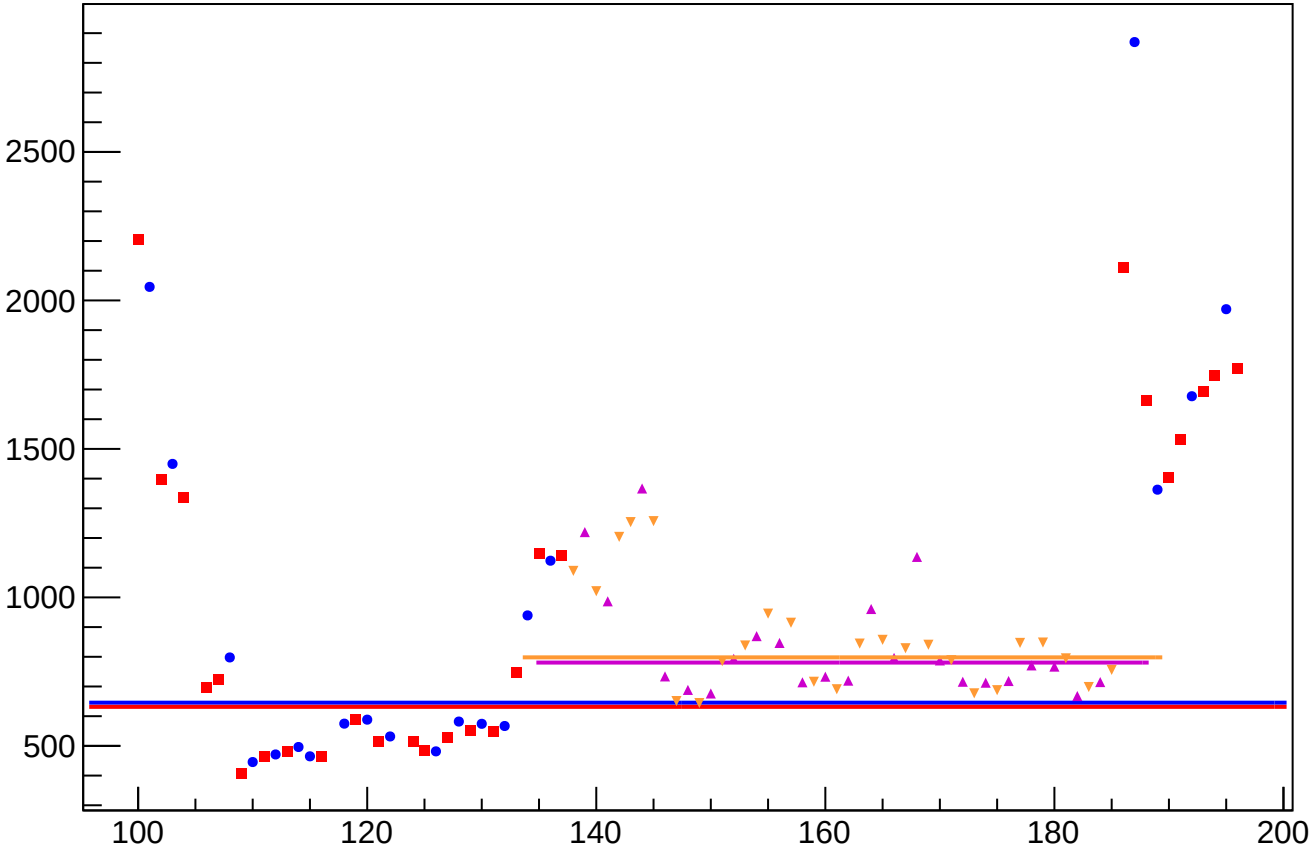
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -422.197+/-144.615 χ^2/NDF: 92.1/44

All: -332.598+/-100.202 χ^2/NDF: 135.3/93

- sign -249.858+/-138.969 χ^2/NDF: 42.5/48

asym_atr1_dit_correction_rms vs Slug



Right In: 645.511+/-0.164 χ^2/NDF: 3969381.4/19

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 631.430+/-0.148 χ^2/NDF: 5267831.3/25

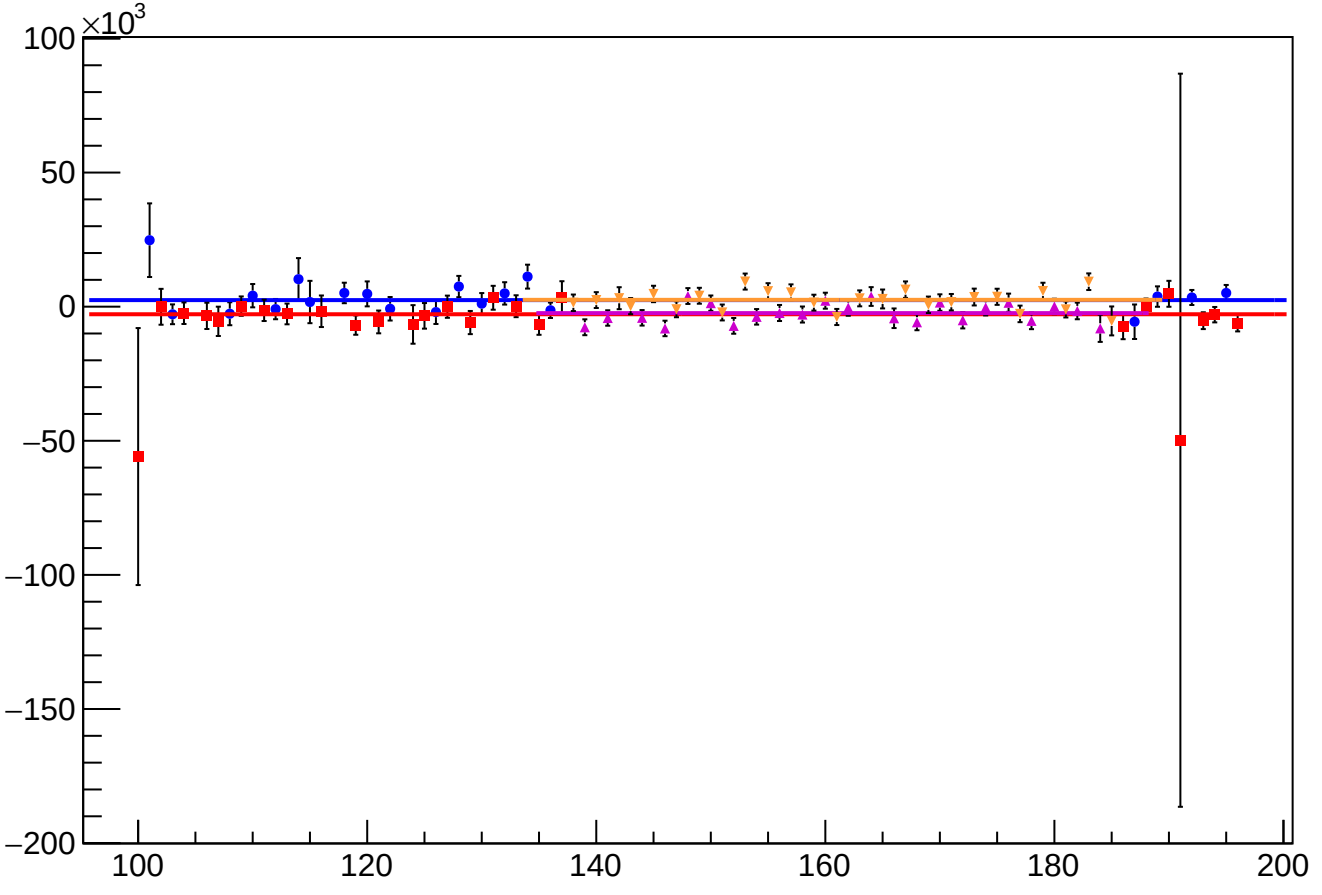
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 738.742+/-0.102 χ^2/NDF: 5666885.5/44

All: 726.485+/-0.071 χ^2/NDF: 12593958.6/93

- sign 715.166+/-0.098 χ^2/NDF: 6899438.4/48

eigen_dit_asym_atr1_mean vs Slug



Right In: 2446.035+/-914.923 χ^2/NDF: 20.6/19

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2827.382+/-834.599 χ^2/NDF: 16.2/25

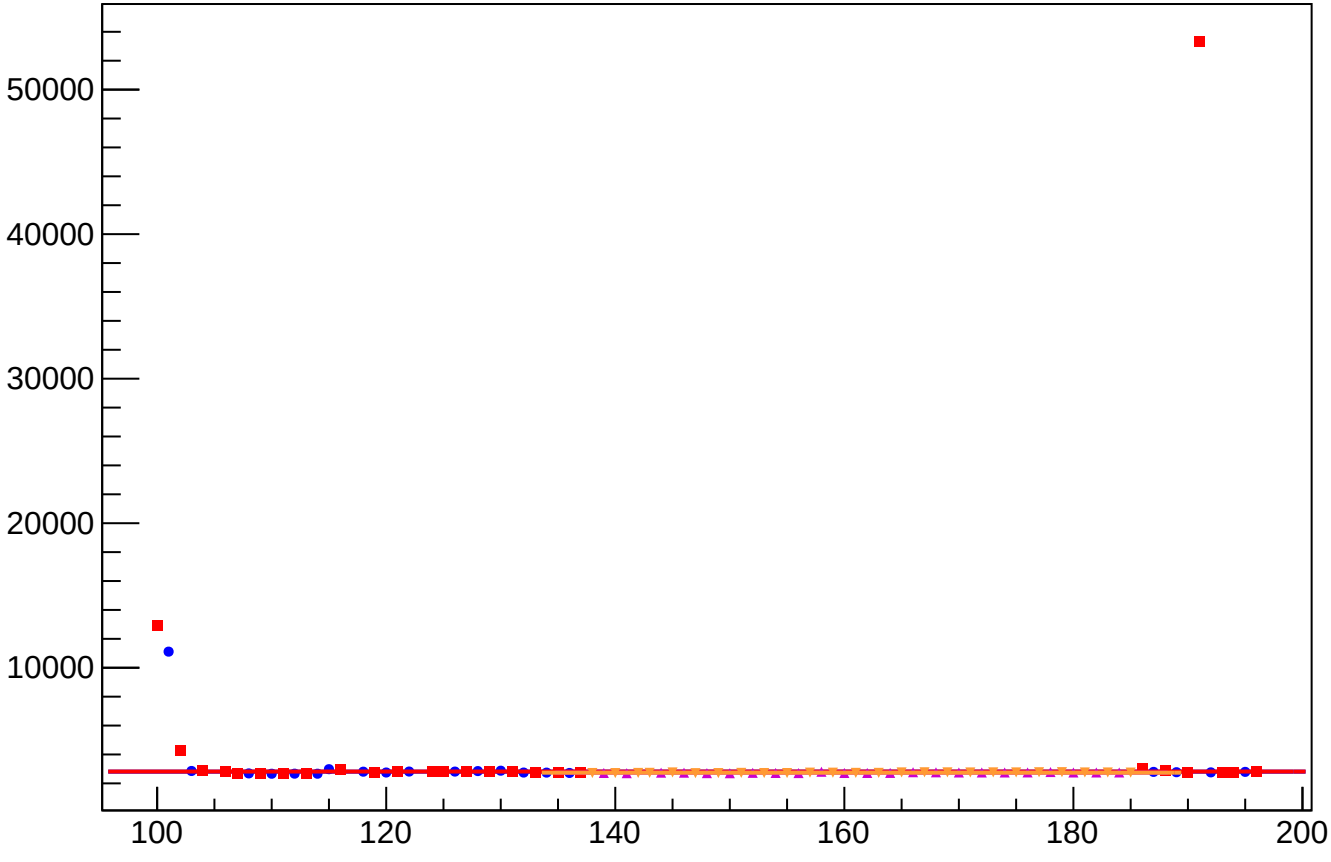
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2513.732+/-514.520 χ^2/NDF: 52.5/44

All: -57.258+/-361.461 χ^2/NDF: 150.0/93

- sign -2562.600+/-507.909 χ^2/NDF: 48.1/48

eigen_dit_asym_atr1_rms vs Slug



Right In: 2810.750+/-0.647 χ^2/NDF: 745066.1/19

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

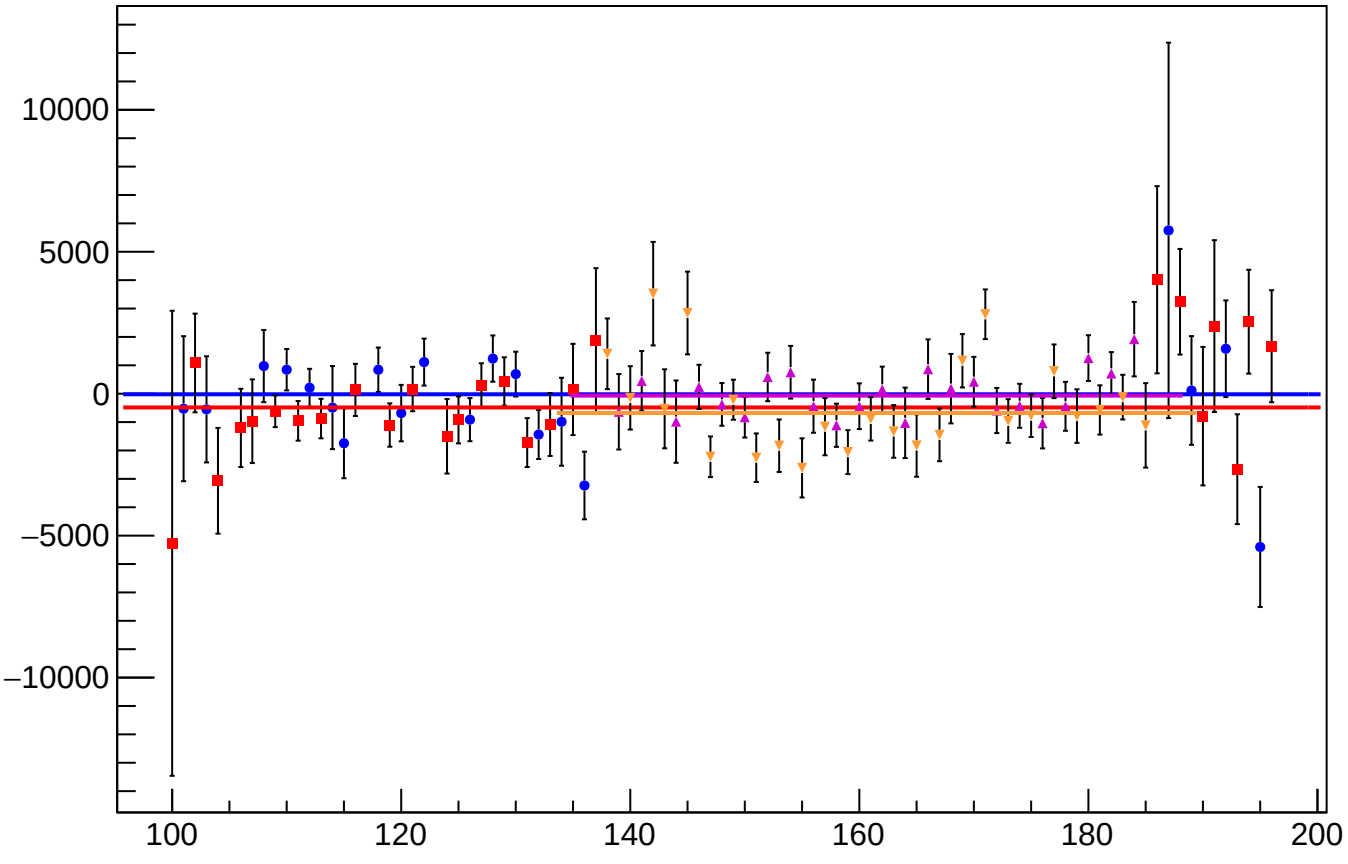
Right Out: 2819.139+/-0.590 χ^2/NDF: 531306.3/25

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2761.899+/-0.364 χ^2/NDF: 755727.4/44

All: 2766.096+/-0.256 χ^2/NDF: 1301594.4/93

- sign 2770.185+/-0.359 χ^2/NDF: 545604.3/48



Right In: -20.005+/-231.875 χ^2/NDF: 30.9/19

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -483.931+/-209.893 χ^2/NDF: 24.4/25

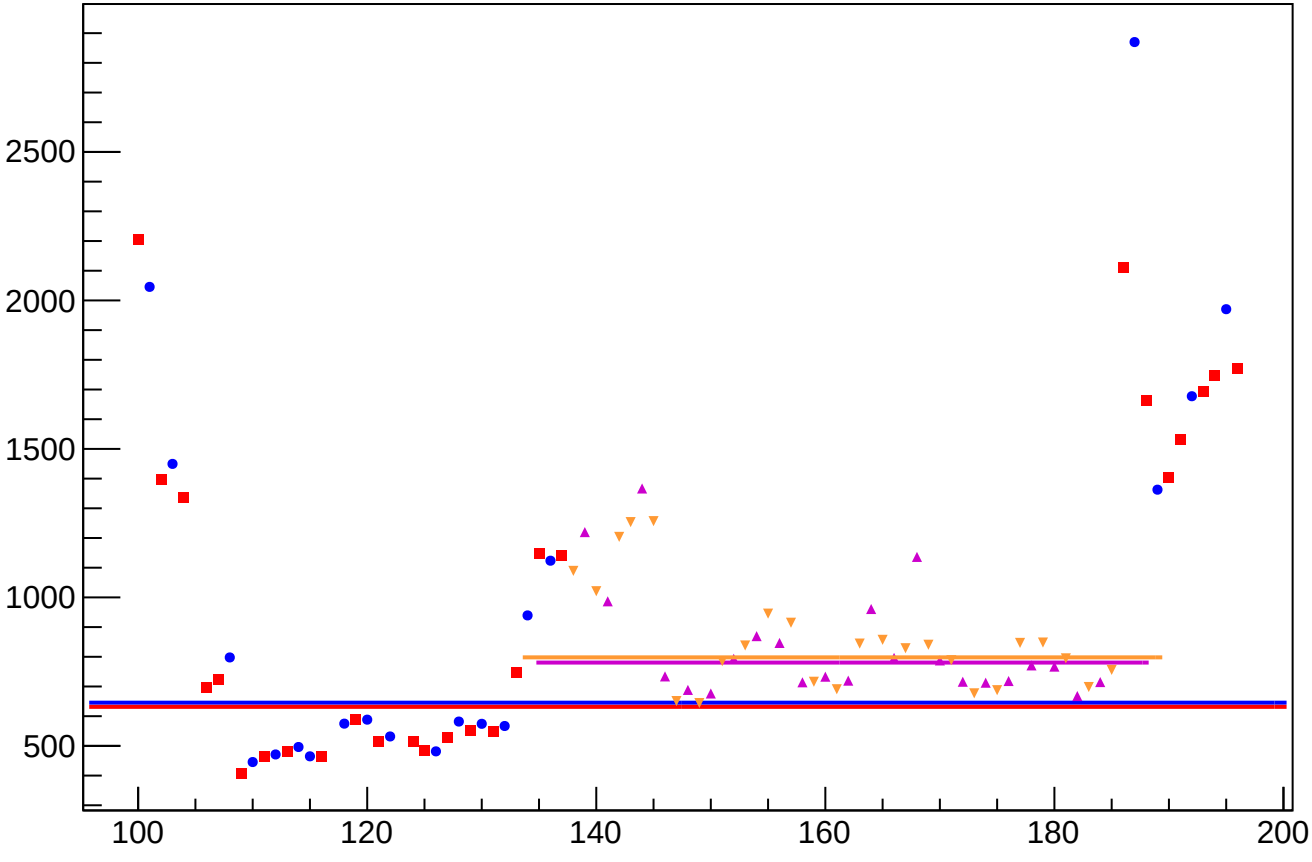
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -422.197+/-144.615 χ^2/NDF: 92.1/44

All: -332.598+/-100.203 χ^2/NDF: 135.3/93

- sign -249.858+/-138.969 χ^2/NDF: 42.5/48

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 645.512+/-0.164 χ^2/NDF: 3969376.0/19

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

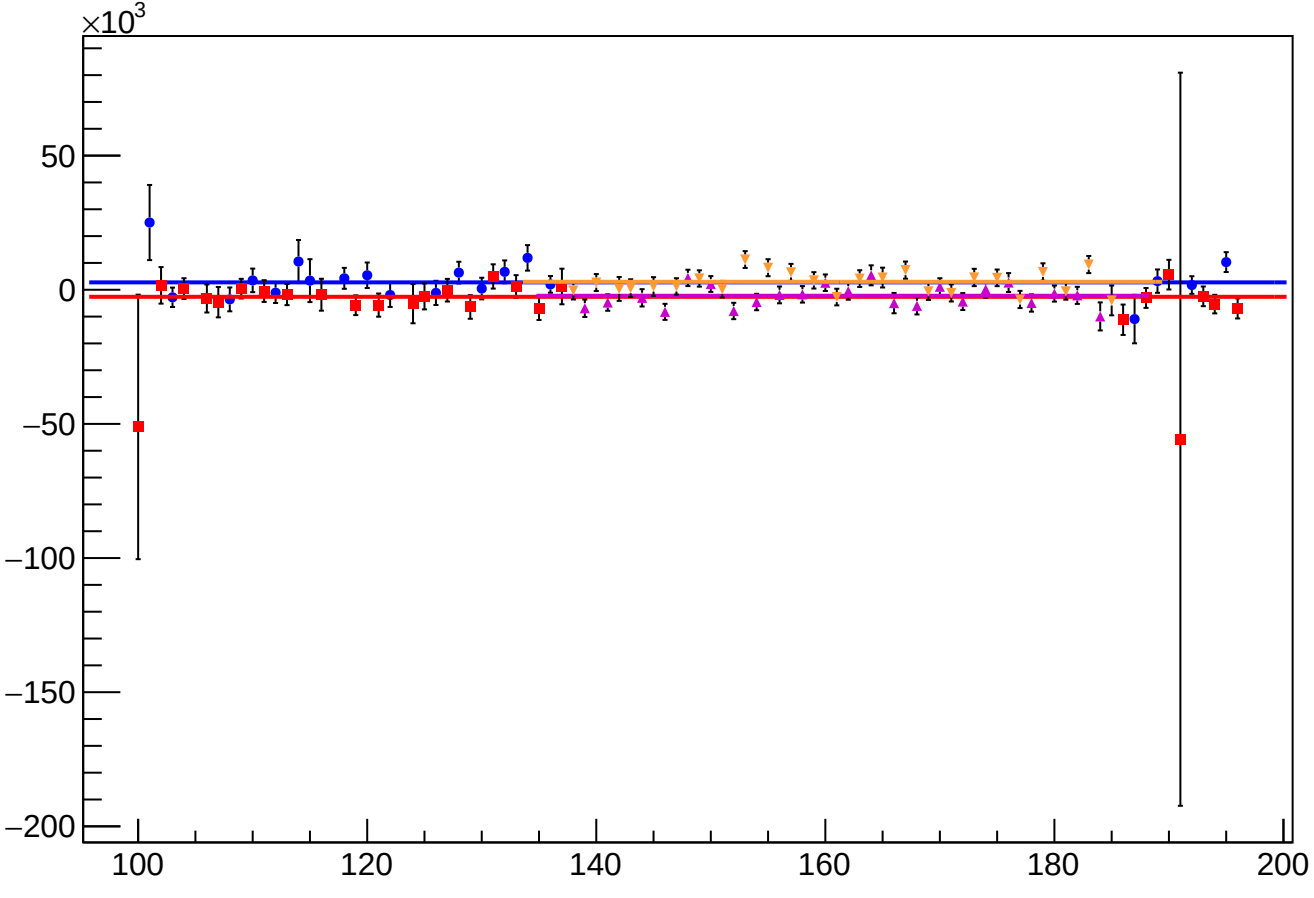
Right Out: 631.430+/-0.148 χ^2/NDF: 5267831.1/25

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 738.742+/-0.102 χ^2/NDF: 5666879.2/44

All: 726.485+/-0.071 χ^2/NDF: 12593953.4/93

- sign 715.166+/-0.098 χ^2/NDF: 6899439.0/48



Right In: 2752.963+/-977.067 χ^2/NDF: 23.5/19

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2626.527+/-901.415 χ^2/NDF: 17.3/25

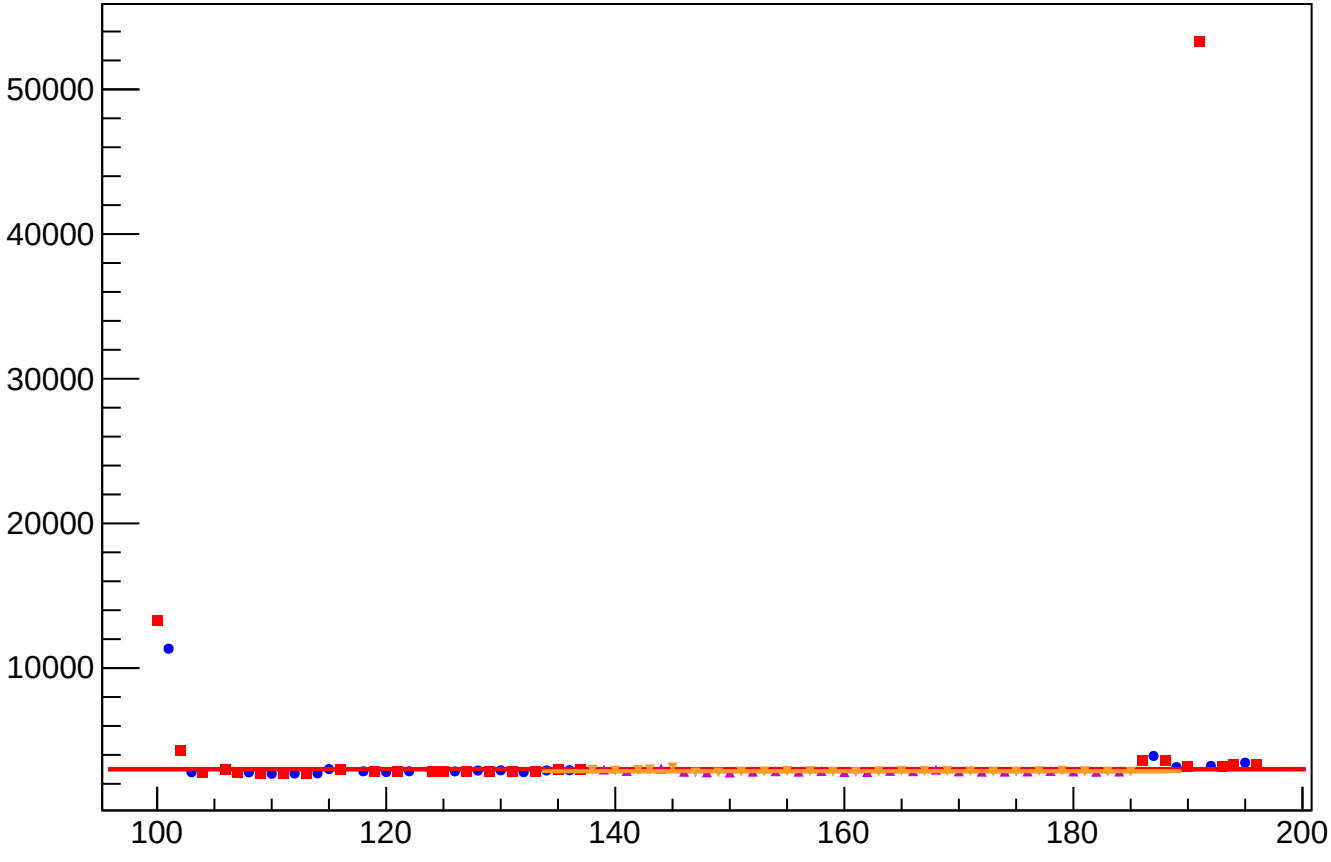
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2902.490+/-543.077 χ^2/NDF: 59.3/44

All: 237.954+/-382.170 χ^2/NDF: 158.2/93

- sign -2376.023+/-537.900 χ^2/NDF: 51.2/48

asym_atr1_rms vs Slug



Right In: 2993.950+/-0.691 χ^2/NDF: 823494.5/19

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

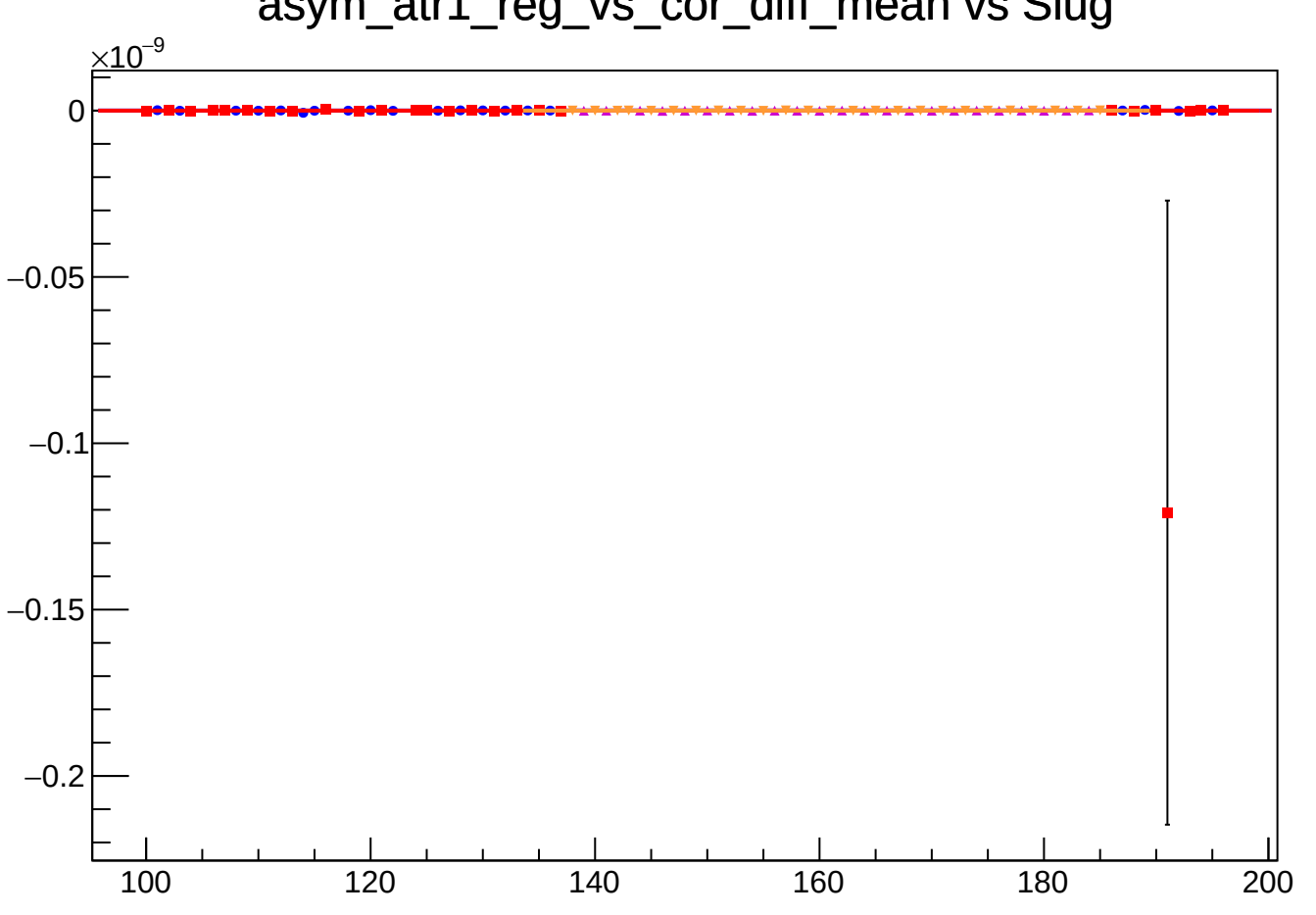
Right Out: 3030.072+/-0.637 χ^2/NDF: 659255.7/25

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2911.702+/-0.384 χ^2/NDF: 865790.8/44

All: 2919.474+/-0.270 χ^2/NDF: 1584078.5/93

- sign 2927.098+/-0.380 χ^2/NDF: 717476.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/25

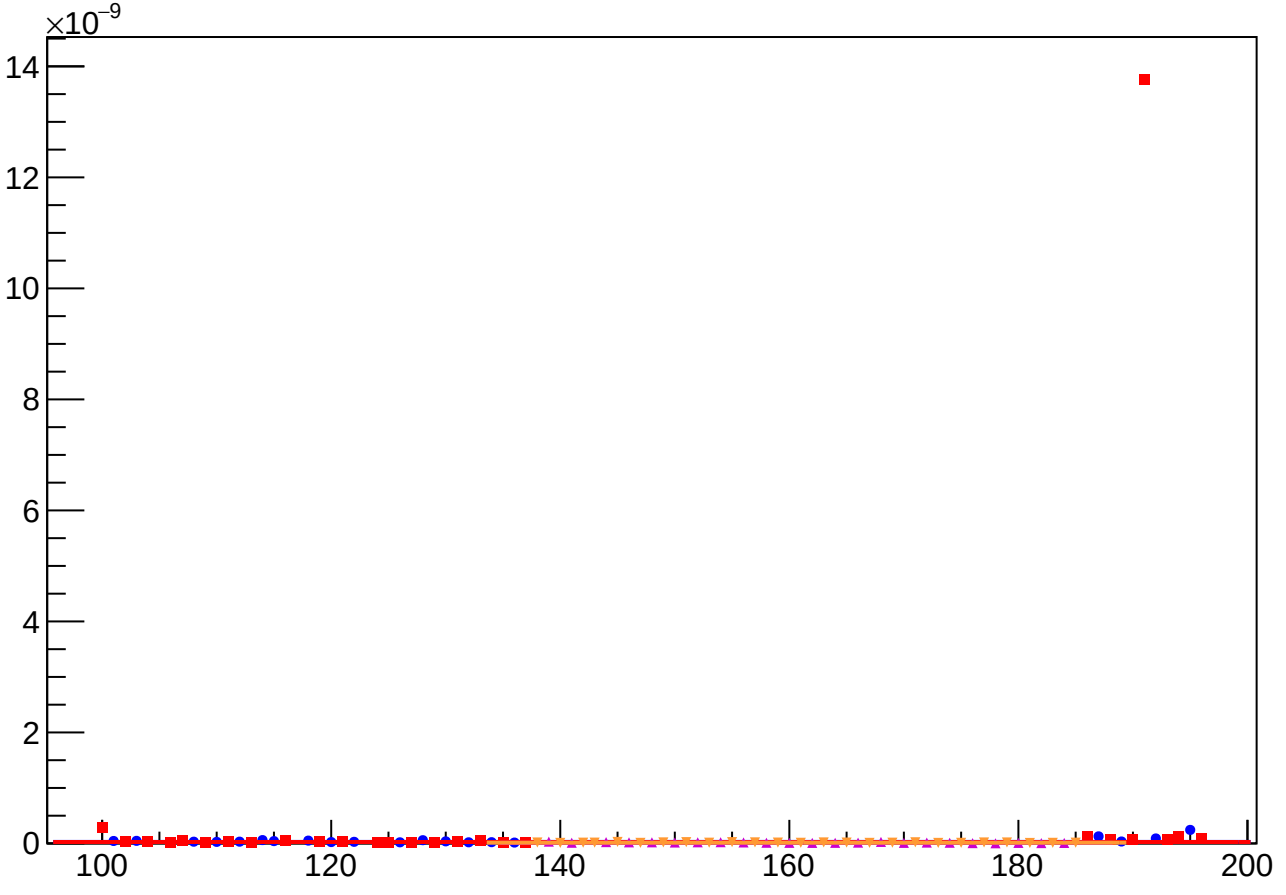
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/44

All: 0.000+/-0.000 χ^2/NDF: 89.2/93

- 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: 2004695.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2264586.8/25

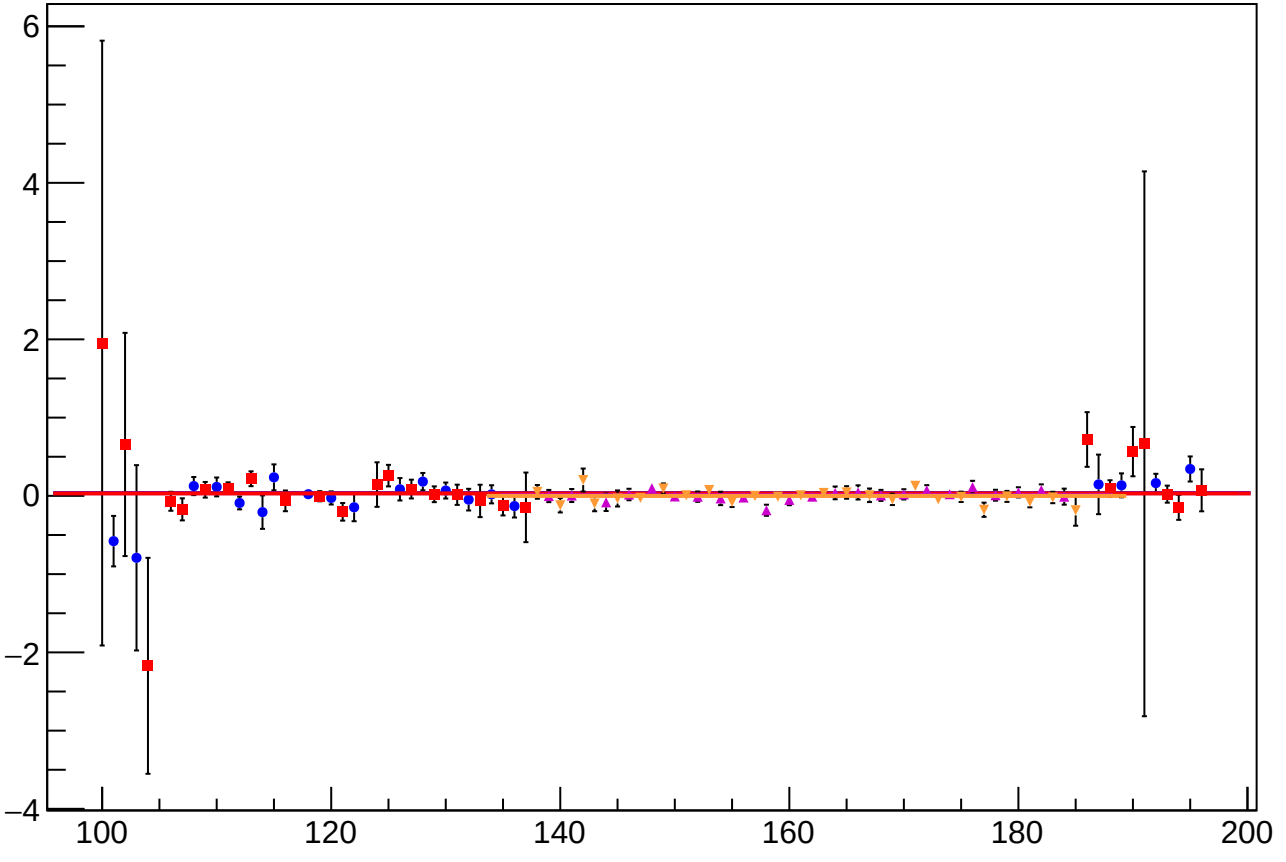
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 4502386.5/44

All: 0.000+/-0.000 χ^2/NDF: 11914828.4/93

\- sign 0.000+/-0.000 χ^2/NDF: 7156438.3/48

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

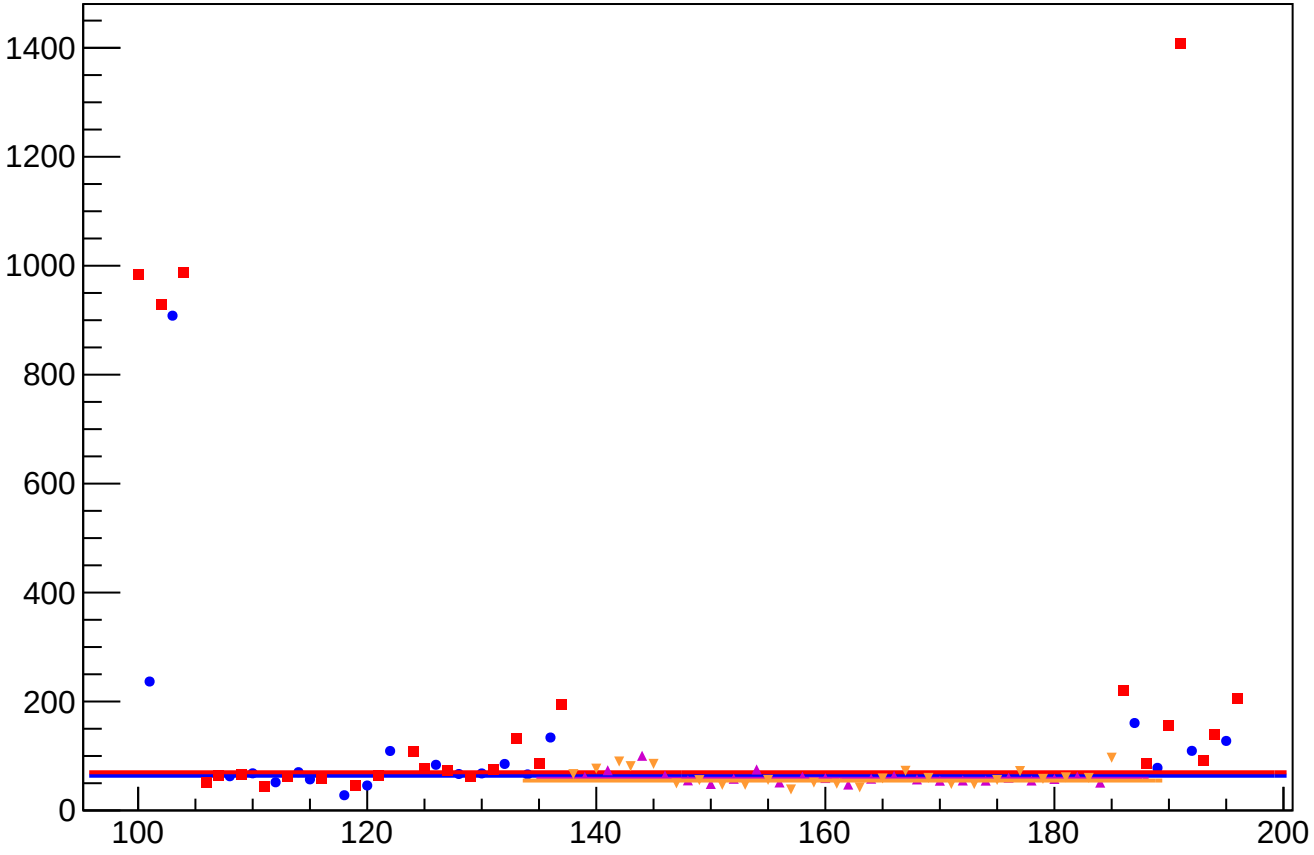
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.5/93

- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 63.741+/-0.019 χ^2/NDF: 4097269.0/19

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

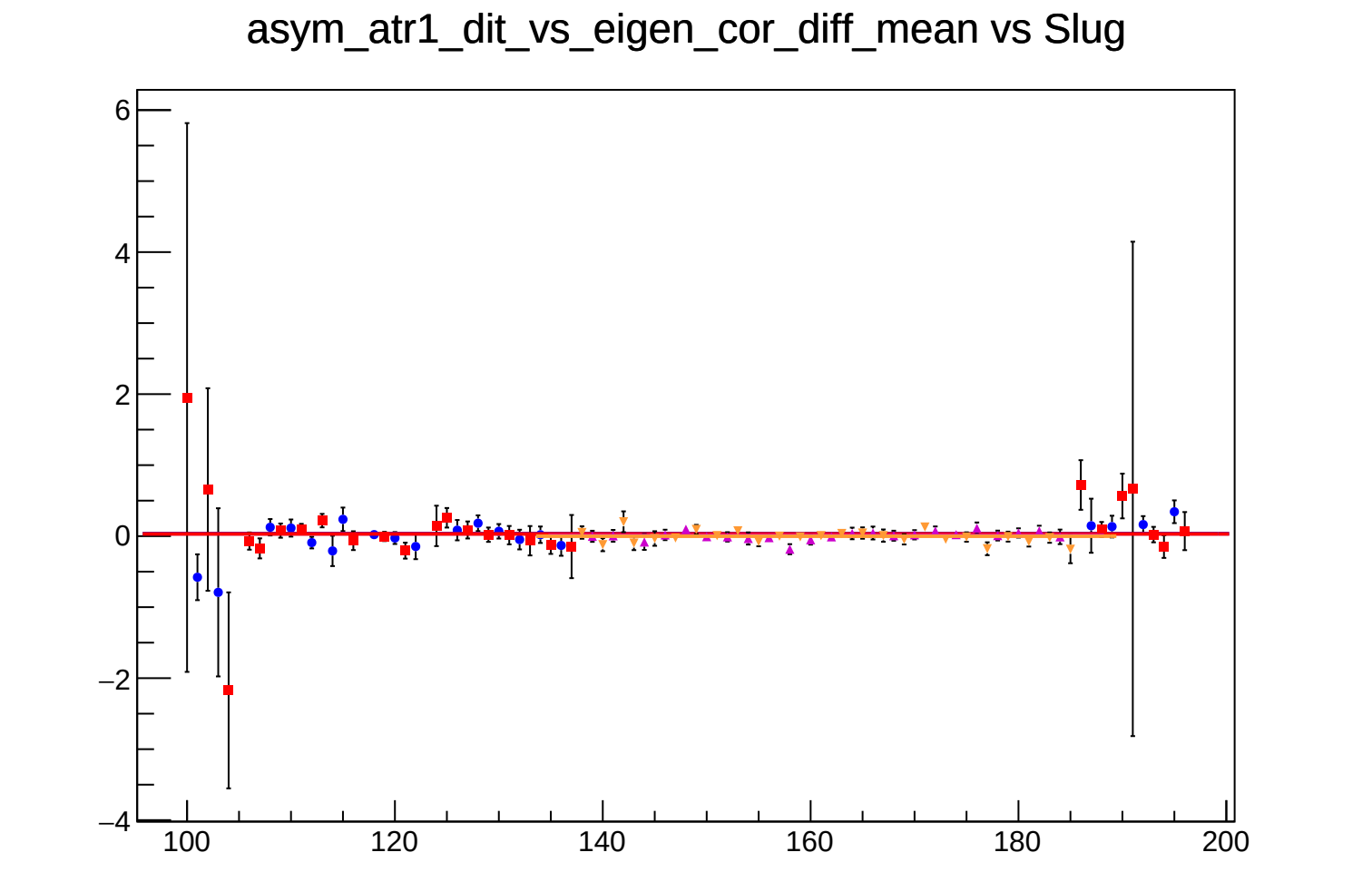
Right Out: 70.109+/-0.018 χ^2/NDF: 4609957.7/25

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569725.4/44

All: 58.946+/-0.006 χ^2/NDF: 11275258.4/93

- sign 61.134+/-0.009 χ^2/NDF: 5593295.2/48



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

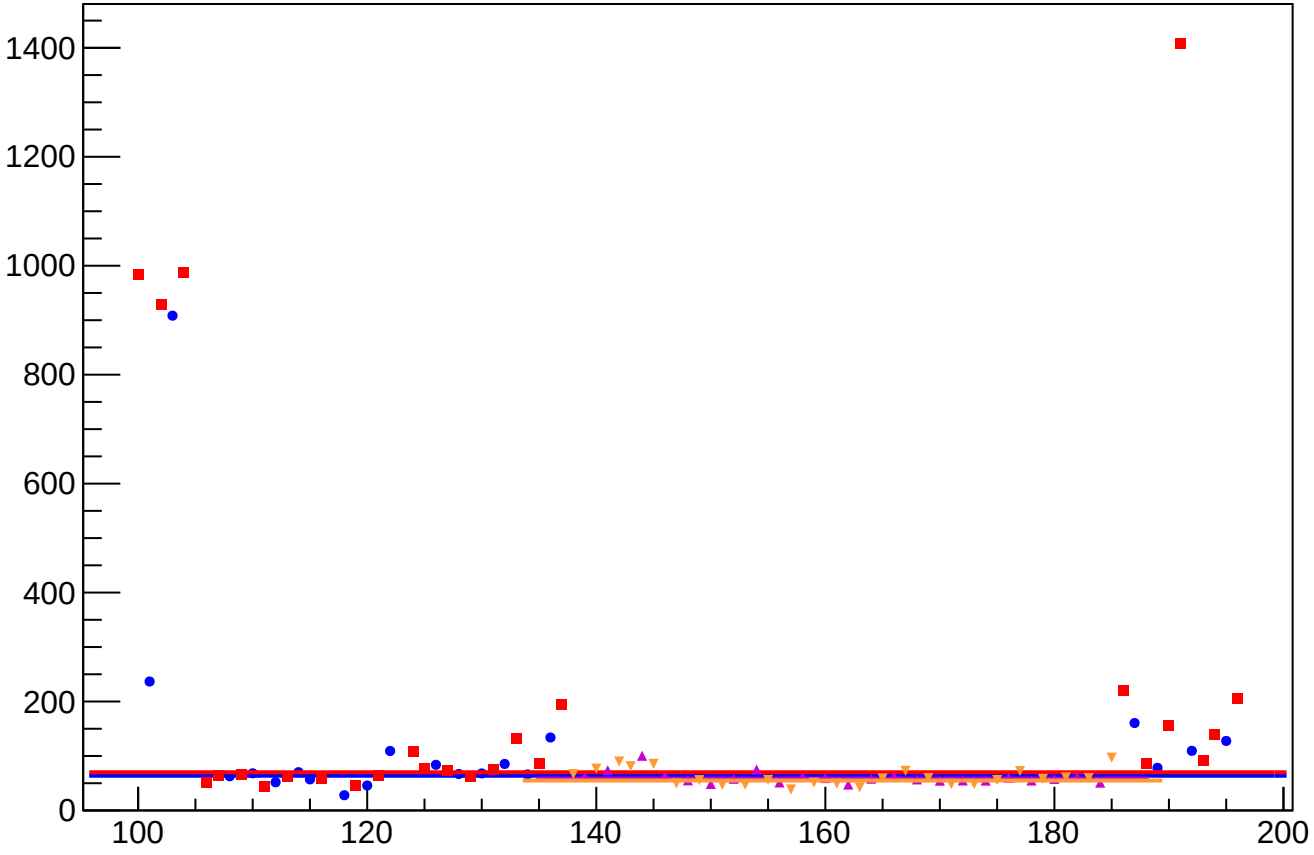
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.5/93

\- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.741+/-0.019 χ^2/NDF: 4097269.0/19

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 70.109+/-0.018 χ^2/NDF: 4609957.7/25

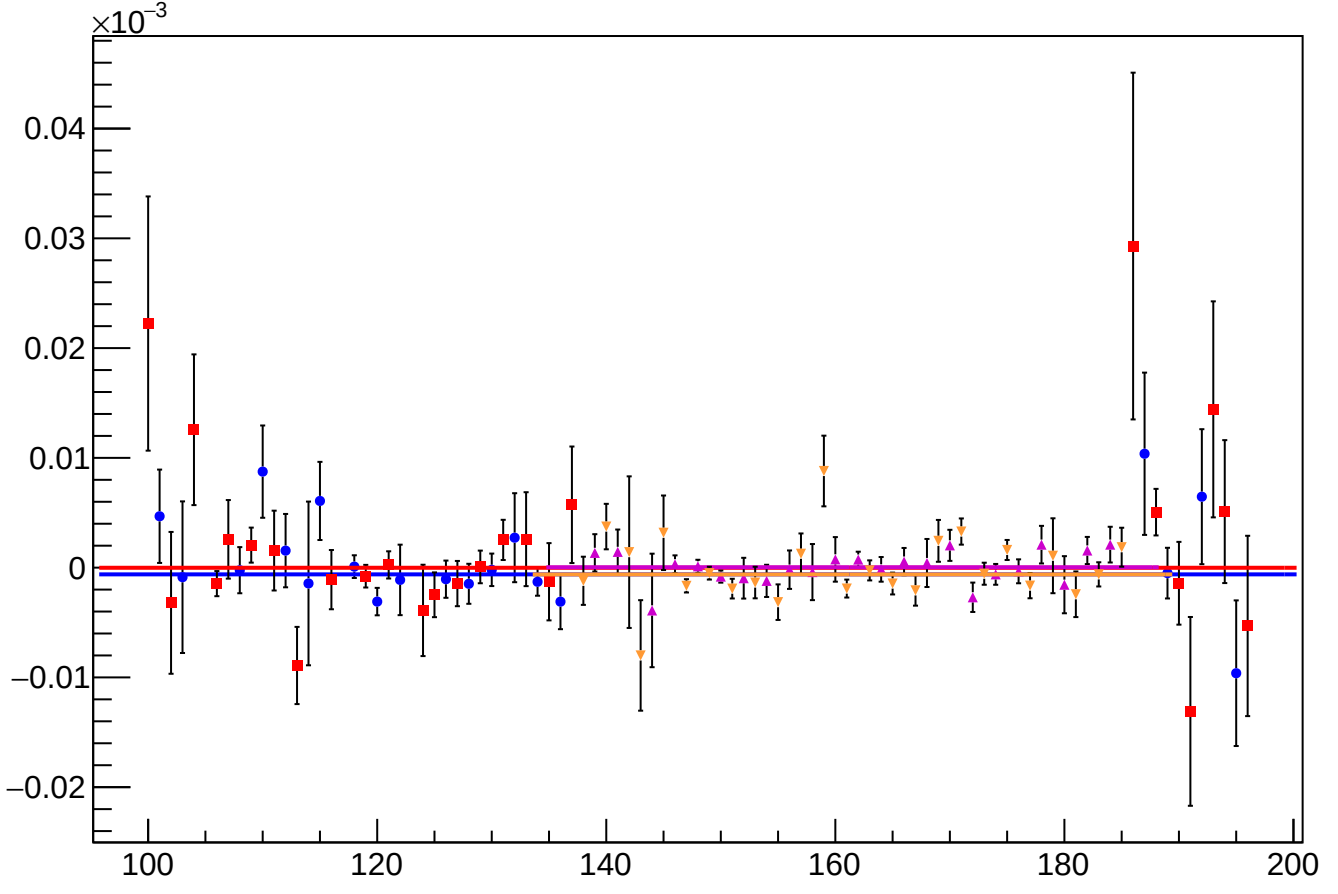
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569725.4/44

All: 58.946+/-0.006 χ^2/NDF: 11275258.4/93

- 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: 22.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/25

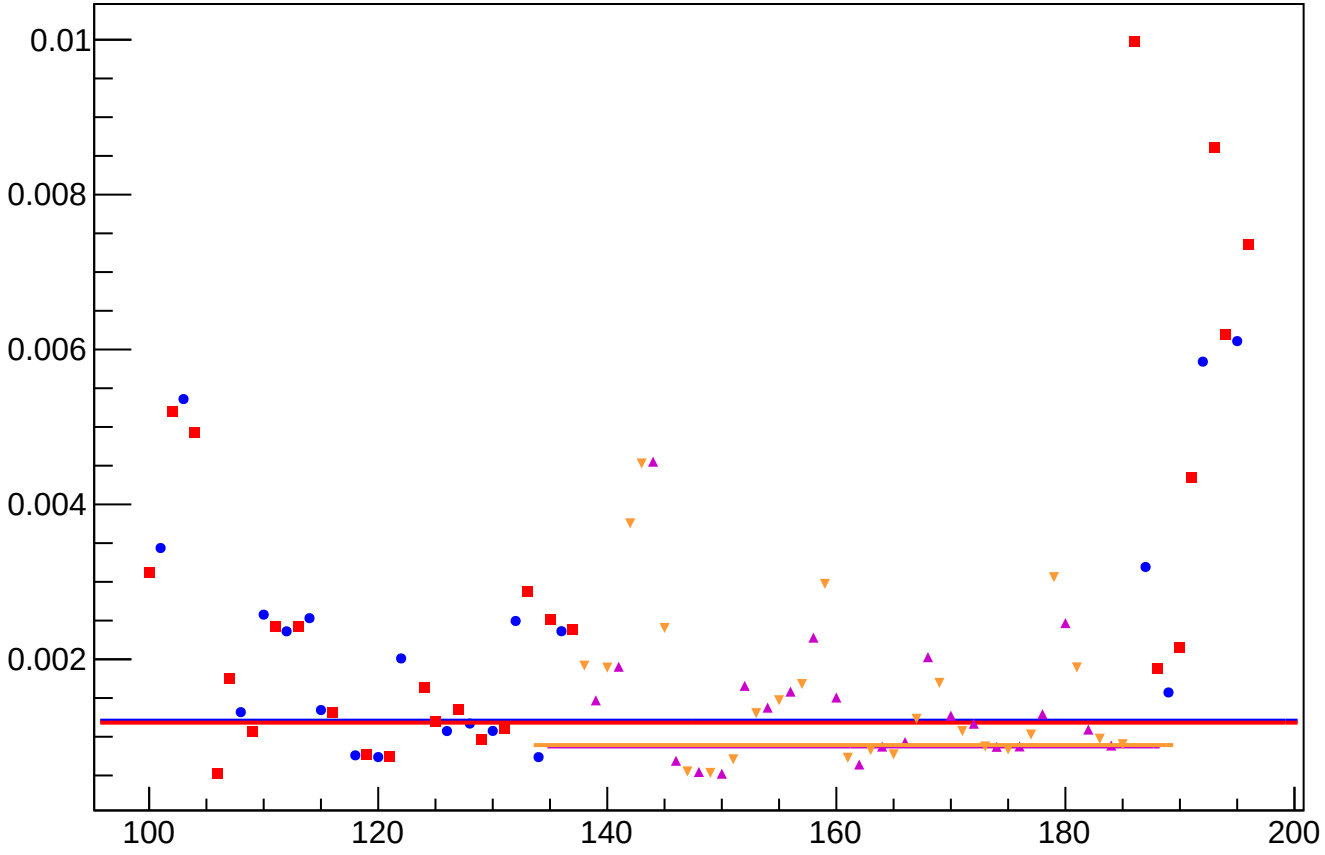
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.4/44

All: -0.000+/-0.000 χ^2/NDF: 137.9/93

- 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: 5930400.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8694228.1/25

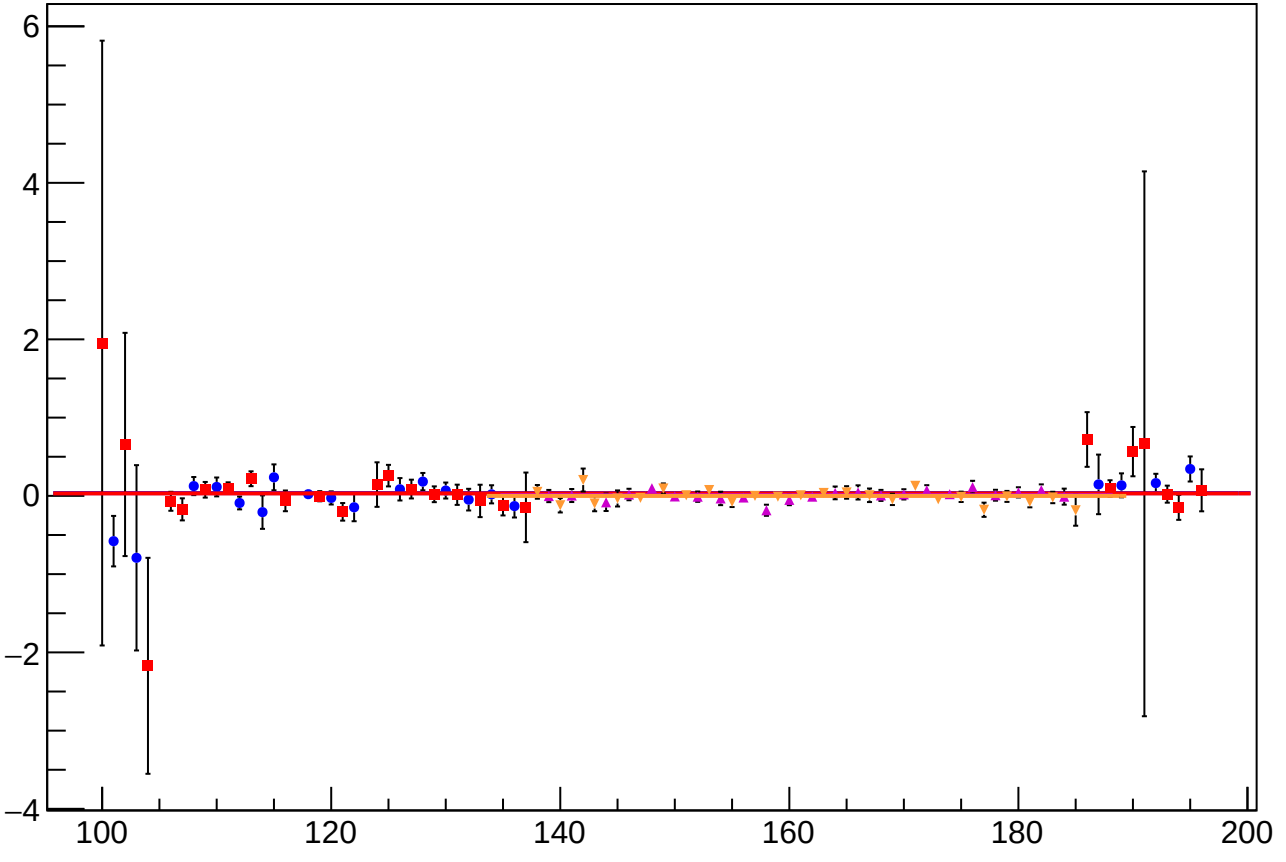
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 14375563.5/44

All: 0.001+/-0.000 χ^2/NDF: 30774596.4/93

- sign 0.001+/-0.000 χ^2/NDF: 16395663.4/48

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

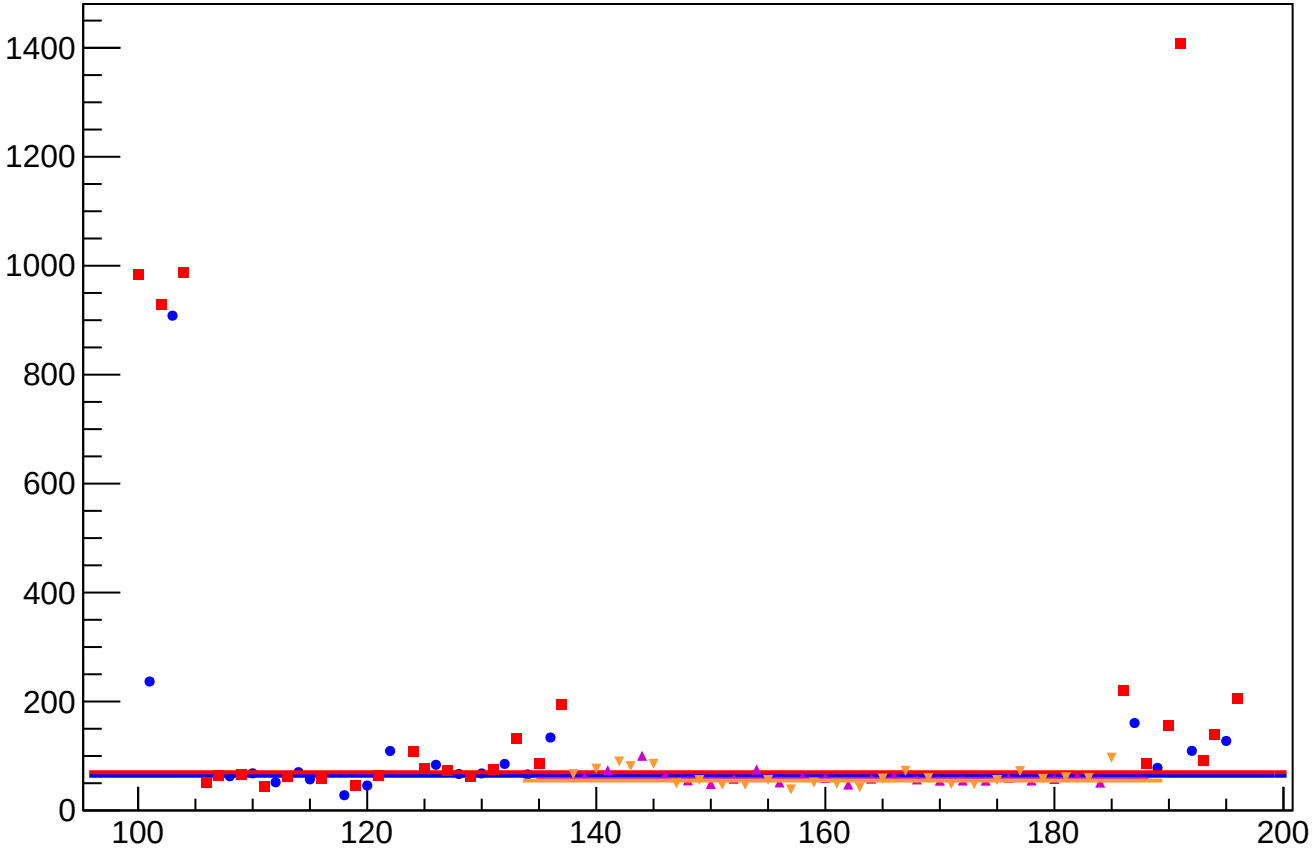
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.5/93

- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.741+/-0.019 χ^2/NDF: 4097361.1/19

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

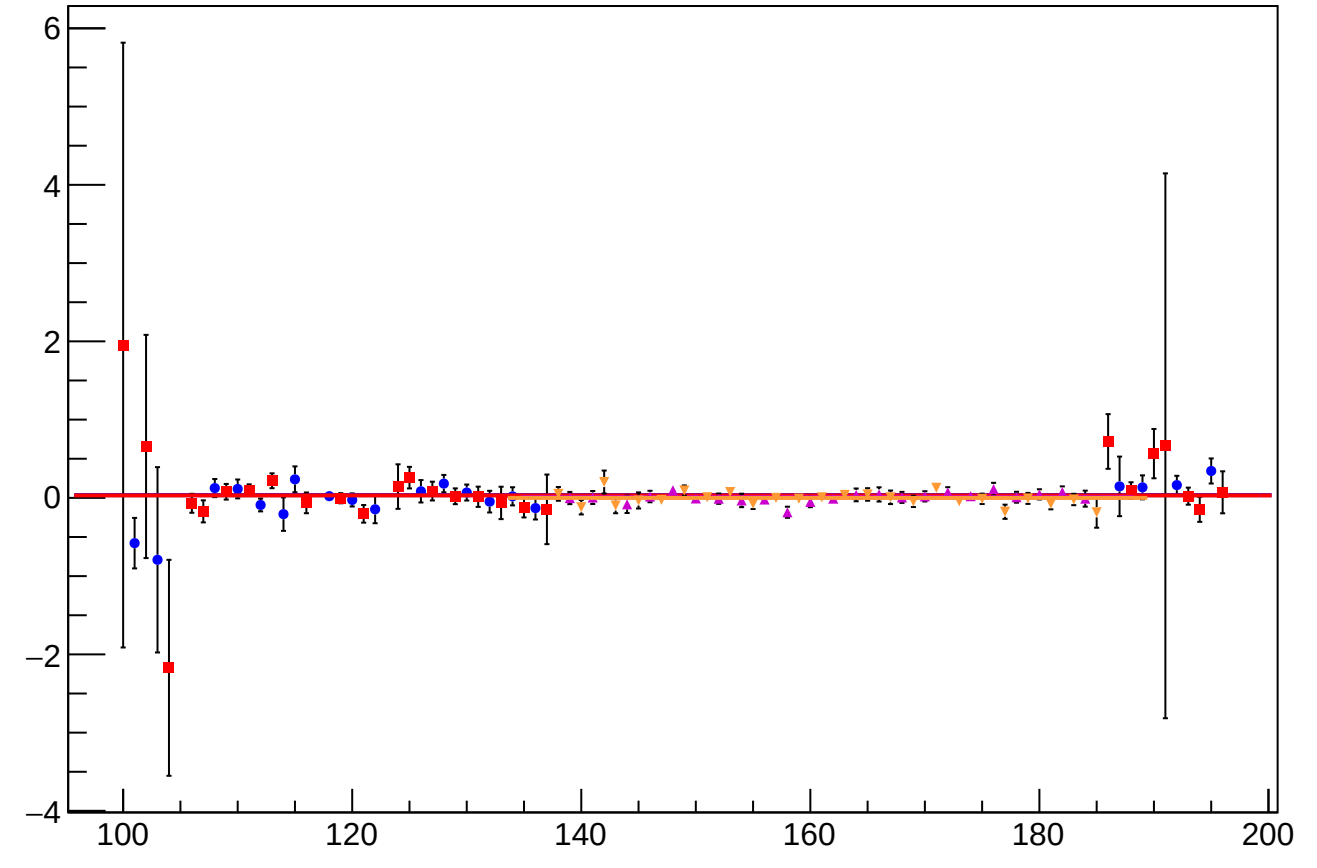
Right Out: 70.109+/-0.018 χ^2/NDF: 4609966.1/25

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

\+ sign 56.901+/-0.009 χ^2/NDF: 5569878.2/44

All: 58.946+/-0.006 χ^2/NDF: 11275452.3/93

\- sign 61.134+/-0.009 χ^2/NDF: 5593310.1/48



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

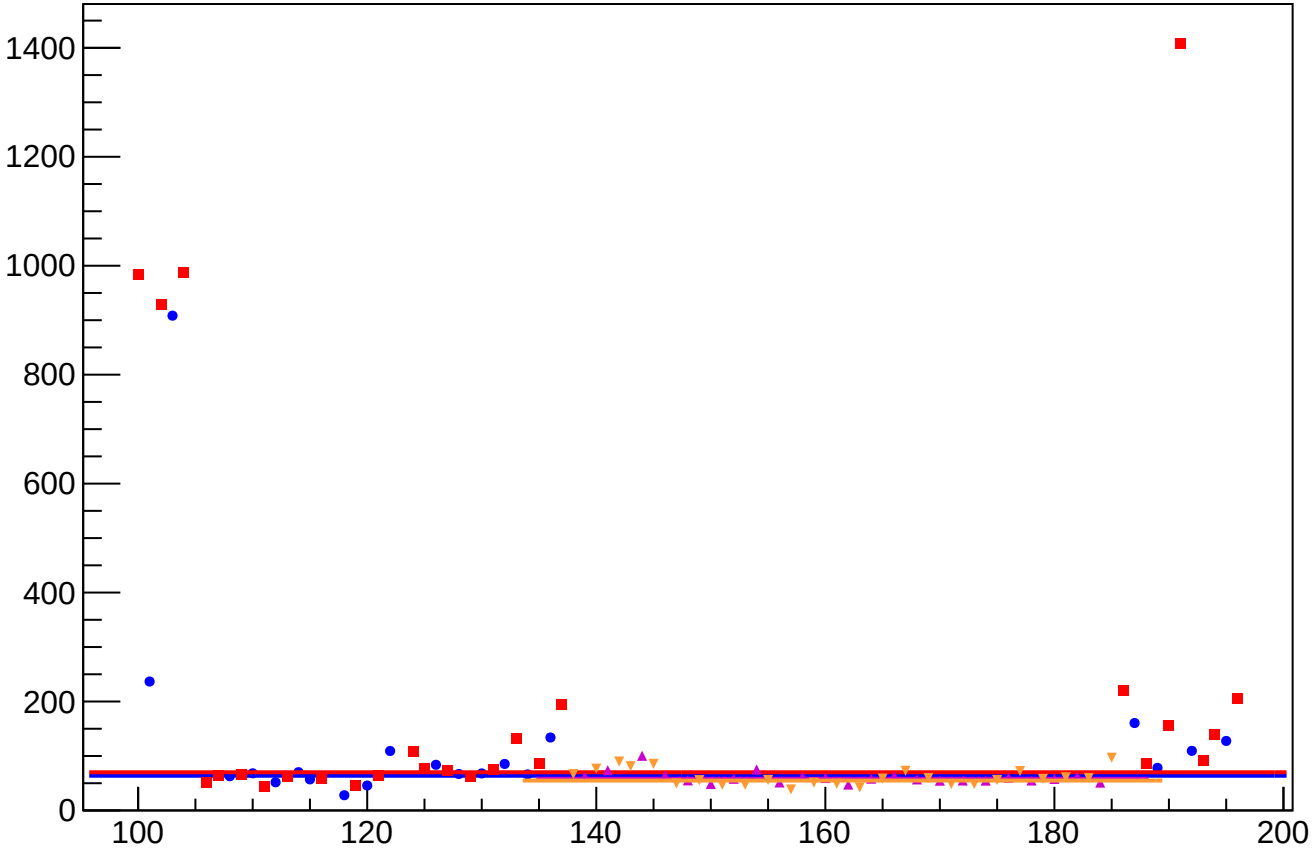
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.5/93

\- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.741+/-0.019 χ^2/NDF: 4097361.1/19

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

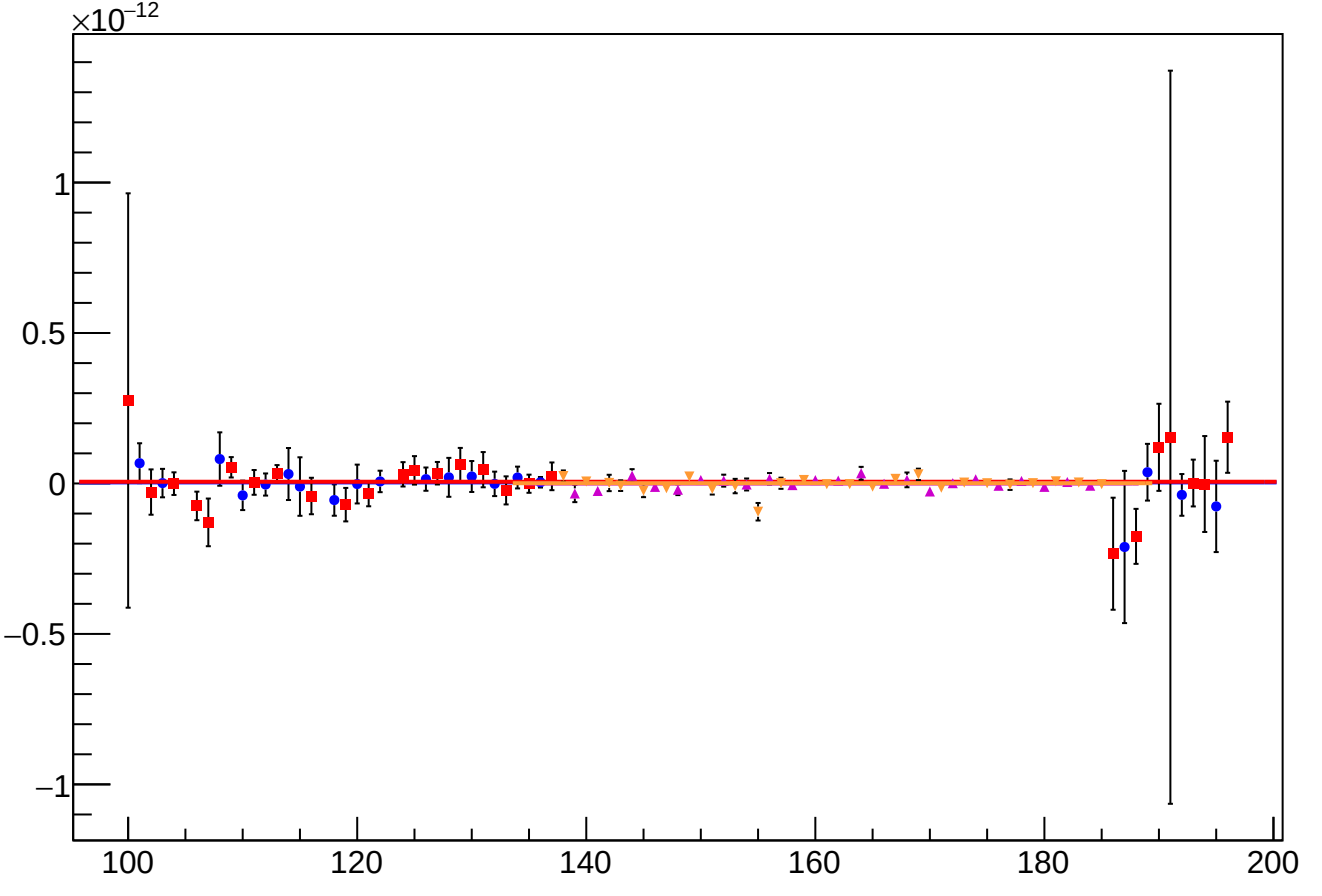
Right Out: 70.109+/-0.018 χ^2/NDF: 4609966.1/25

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

\+ sign 56.901+/-0.009 χ^2/NDF: 5569878.2/44

All: 58.946+/-0.006 χ^2/NDF: 11275452.3/93

\- sign 61.134+/-0.009 χ^2/NDF: 5593310.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/25

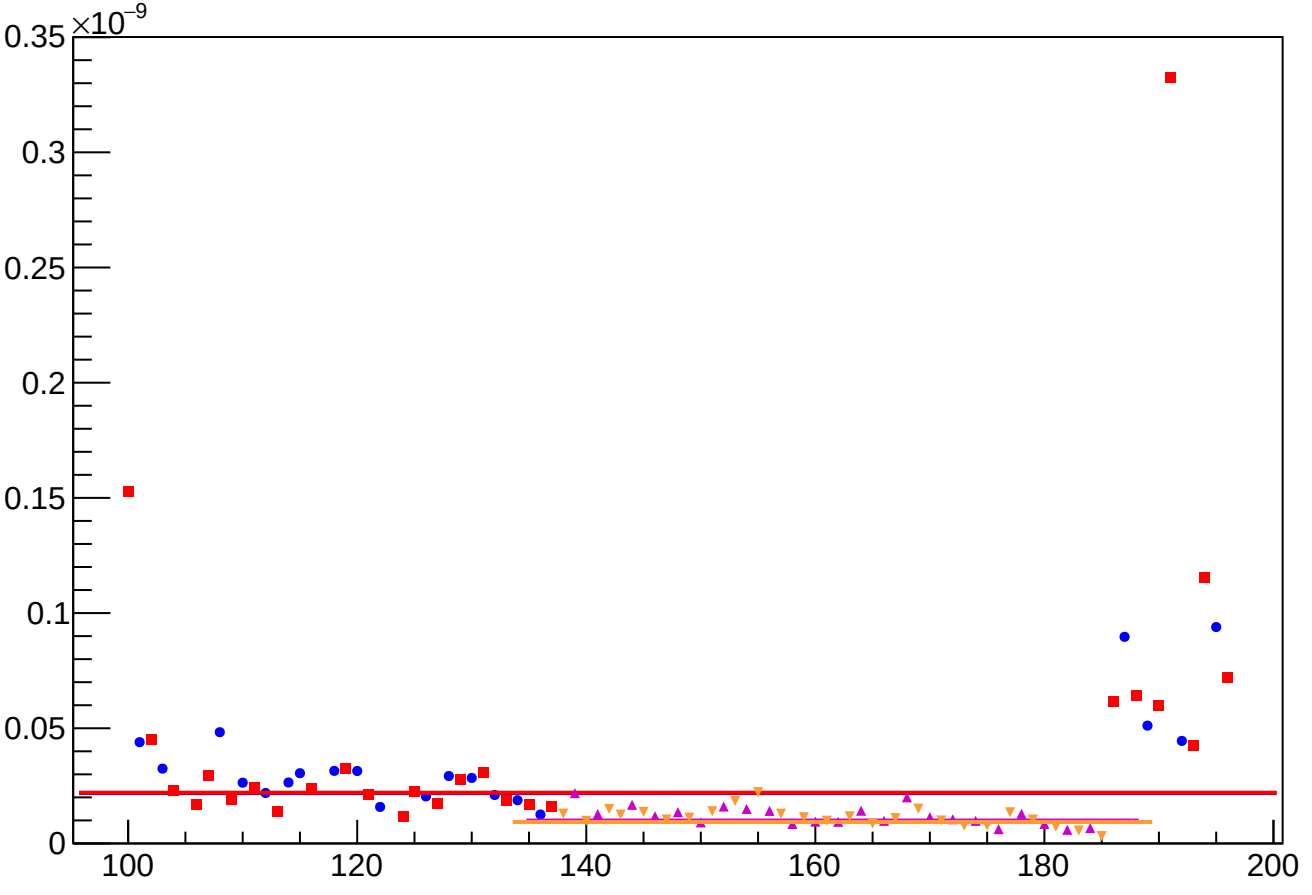
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 75.9/93

- sign 0.000+/-0.000 χ^2/NDF: 44.5/48

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2352410.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2856429.8/25

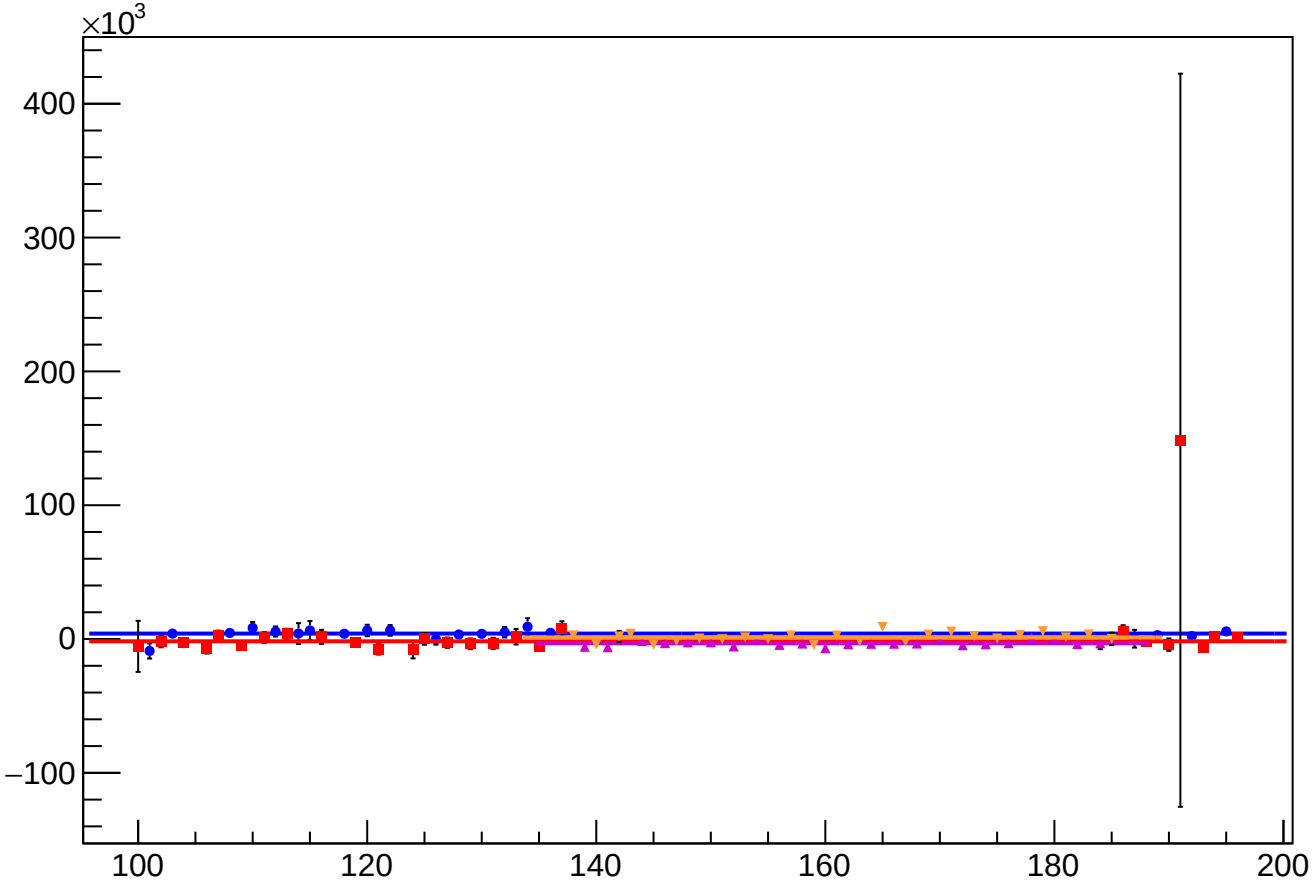
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8315762.9/44

All: 0.000+/-0.000 χ^2/NDF: 16566260.5/93

- sign 0.000+/-0.000 χ^2/NDF: 8180505.7/48

reg_asym_atr2_mean vs Slug



Right In: 4070.474+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.502+/-767.264 χ^2/NDF: 22.8/25

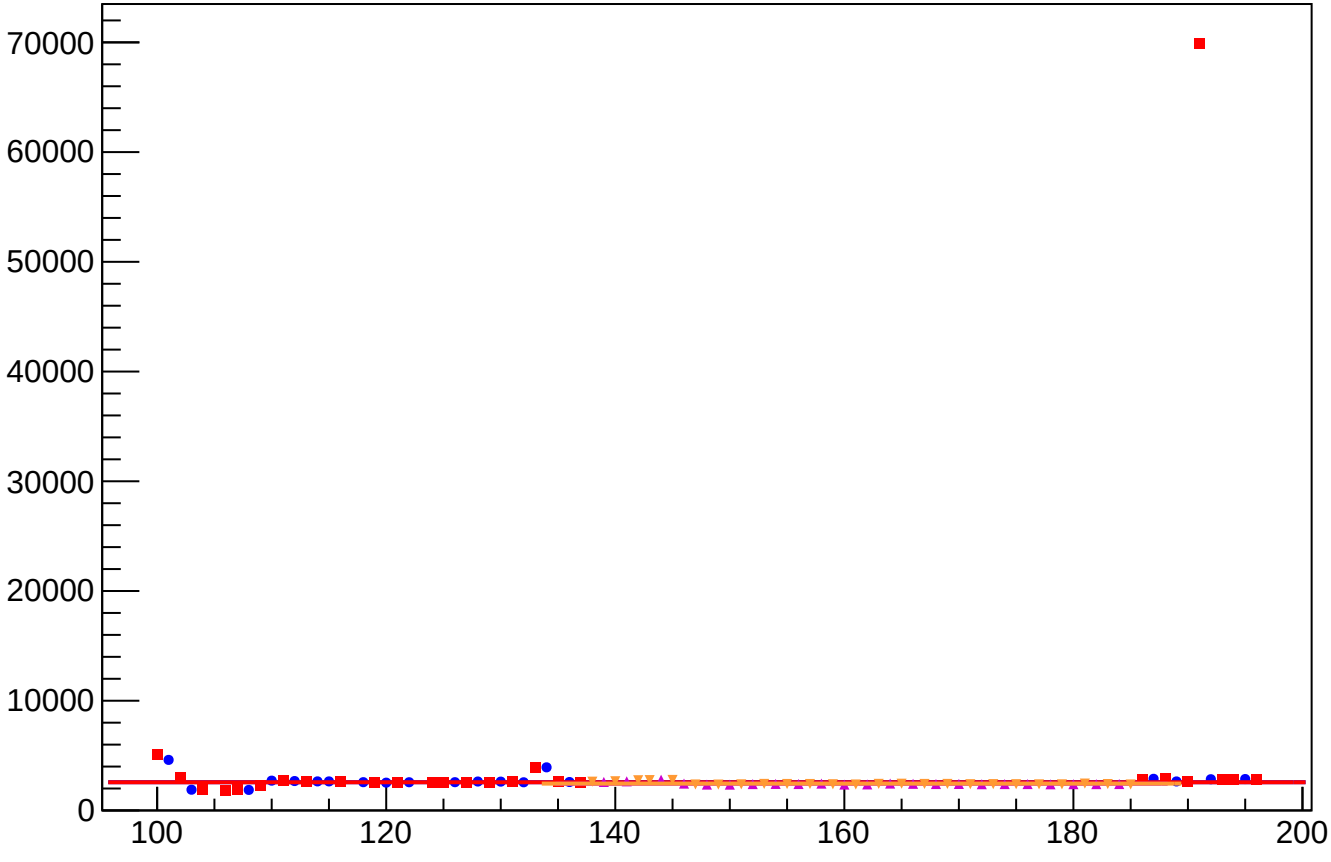
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.279+/-463.194 χ^2/NDF: 49.4/44

All: -310.197+/-325.370 χ^2/NDF: 139.4/93

- sign -2630.920+/-457.152 χ^2/NDF: 37.8/48

reg_asym_atr2_rms vs Slug



Right In: 2576.488+/-0.592 χ^2/NDF: 661787.2/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

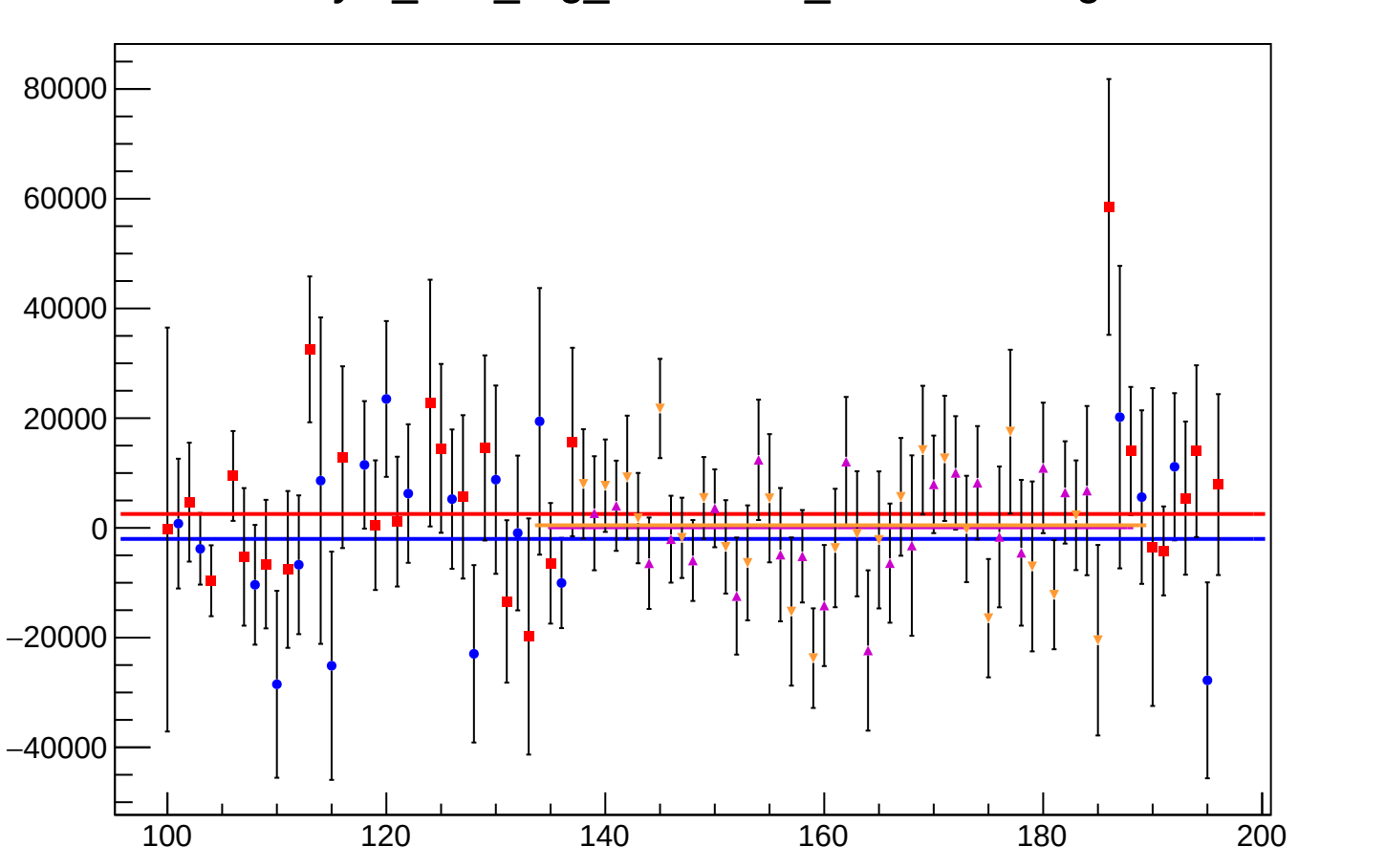
Right Out: 2569.196+/-0.543 χ^2/NDF: 694024.6/25

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

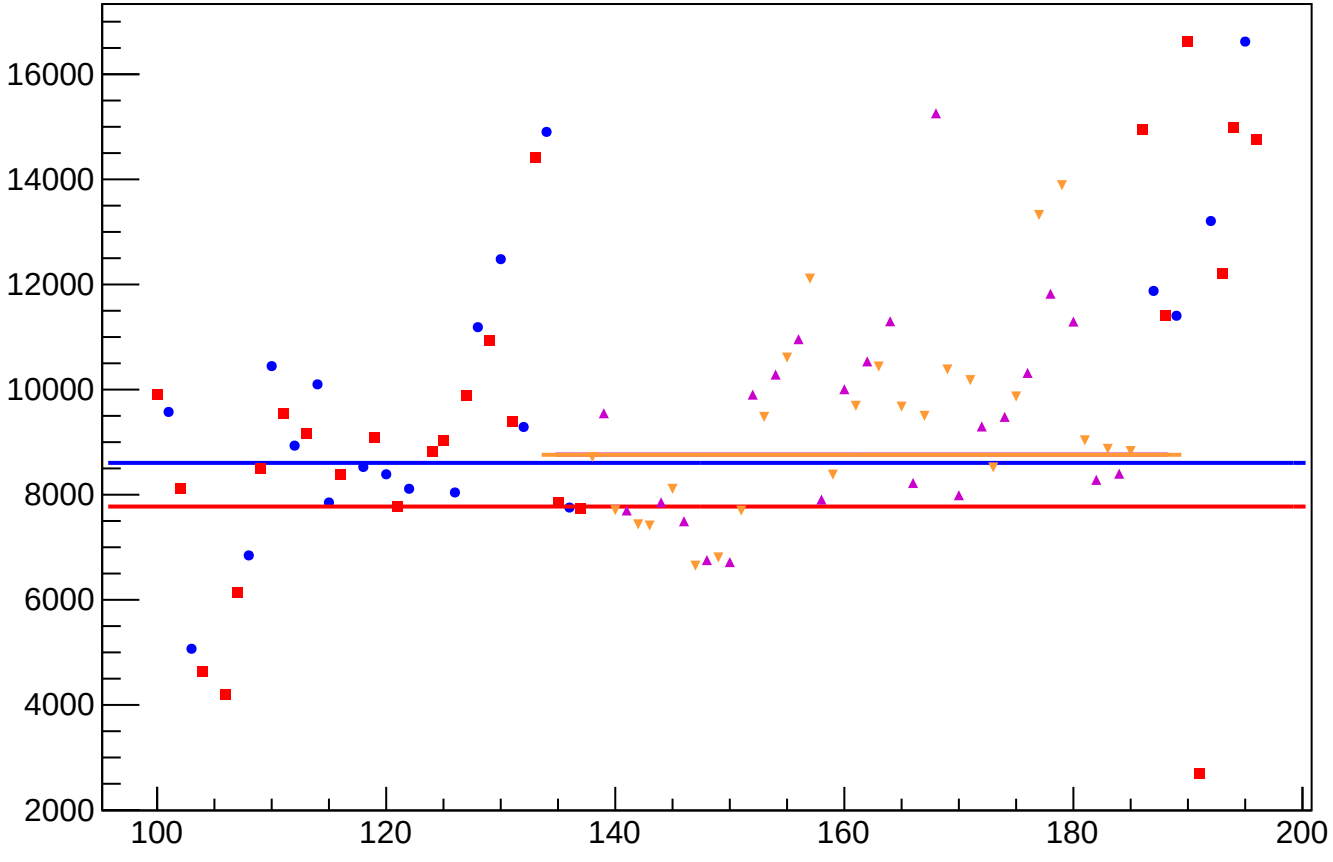
+ sign 2485.884+/-0.328 χ^2/NDF: 785635.2/44

All: 2484.551+/-0.230 χ^2/NDF: 1577787.7/93

- sign 2483.253+/-0.323 χ^2/NDF: 792119.8/48


asym_atr2_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -2009.660+/-2890.116 χ²/NDF: 17.7/19
Left Out: 477.187+/-2035.969 χ²/NDF:27.4/24
Right Out: 2534.775+/-2489.656 χ²/NDF: 24.9/25
Left In: 104.954+/-2090.899 χ²/NDF:14.5/22
+ sign -347.621+/-1664.436 χ²/NDF: 45.6/44
All: 409.394+/-1153.906 χ²/NDF: 86.0/93
- sign 1109.929+/-1601.142 χ²/NDF: 40.0/48

asym_atr2_reg_correction_rms vs Slug



Right In: 8605.652+/-2.044 χ^2/NDF: 1735091.2/19

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

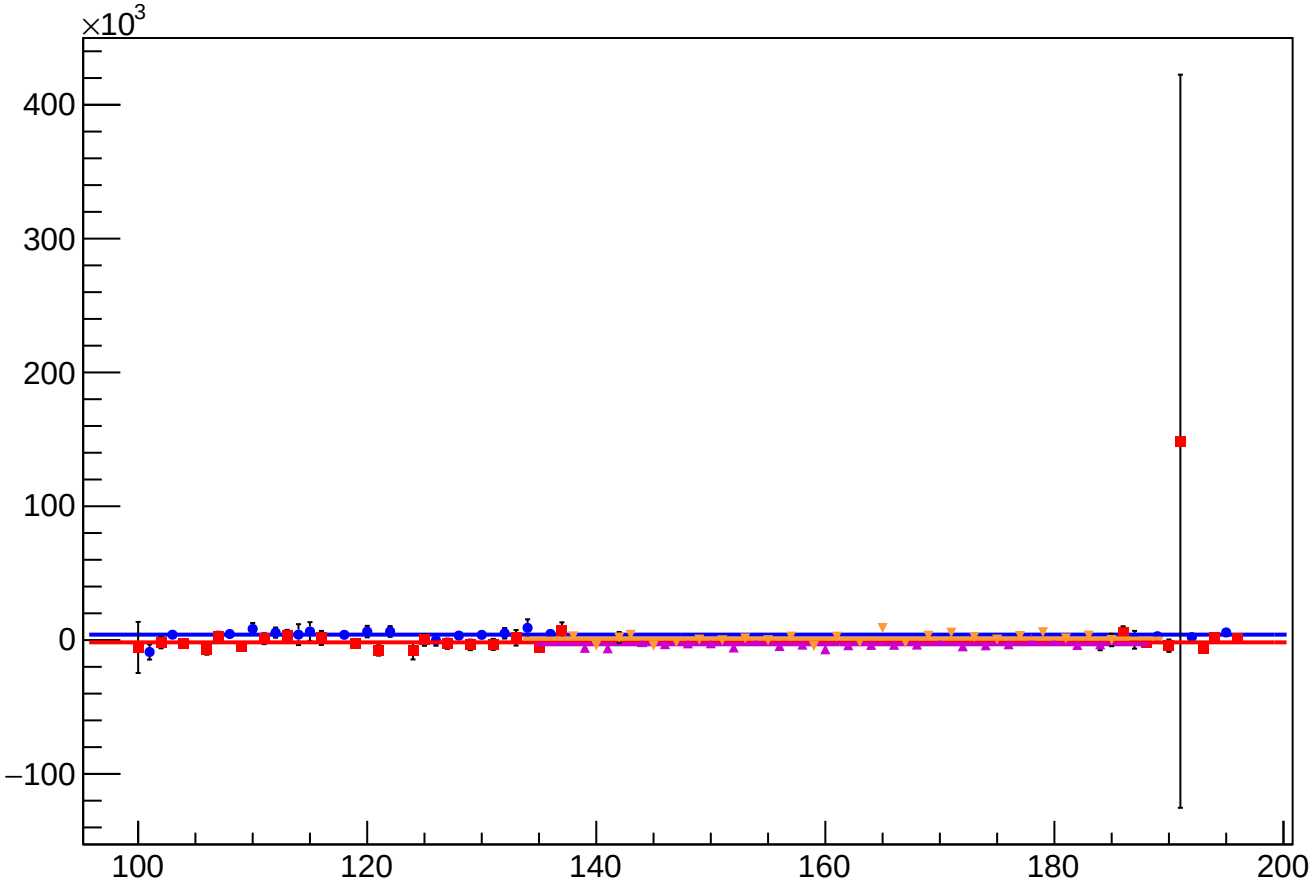
Right Out: 7774.782+/-1.760 χ^2/NDF: 3666740.8/25

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8708.564+/-1.177 χ^2/NDF: 2961123.6/44

All: 8524.900+/-0.816 χ^2/NDF: 8151655.6/93

- sign 8354.939+/-1.132 χ^2/NDF: 5143643.9/48



Right In: 4070.157+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.925+/-767.268 χ^2/NDF: 22.8/25

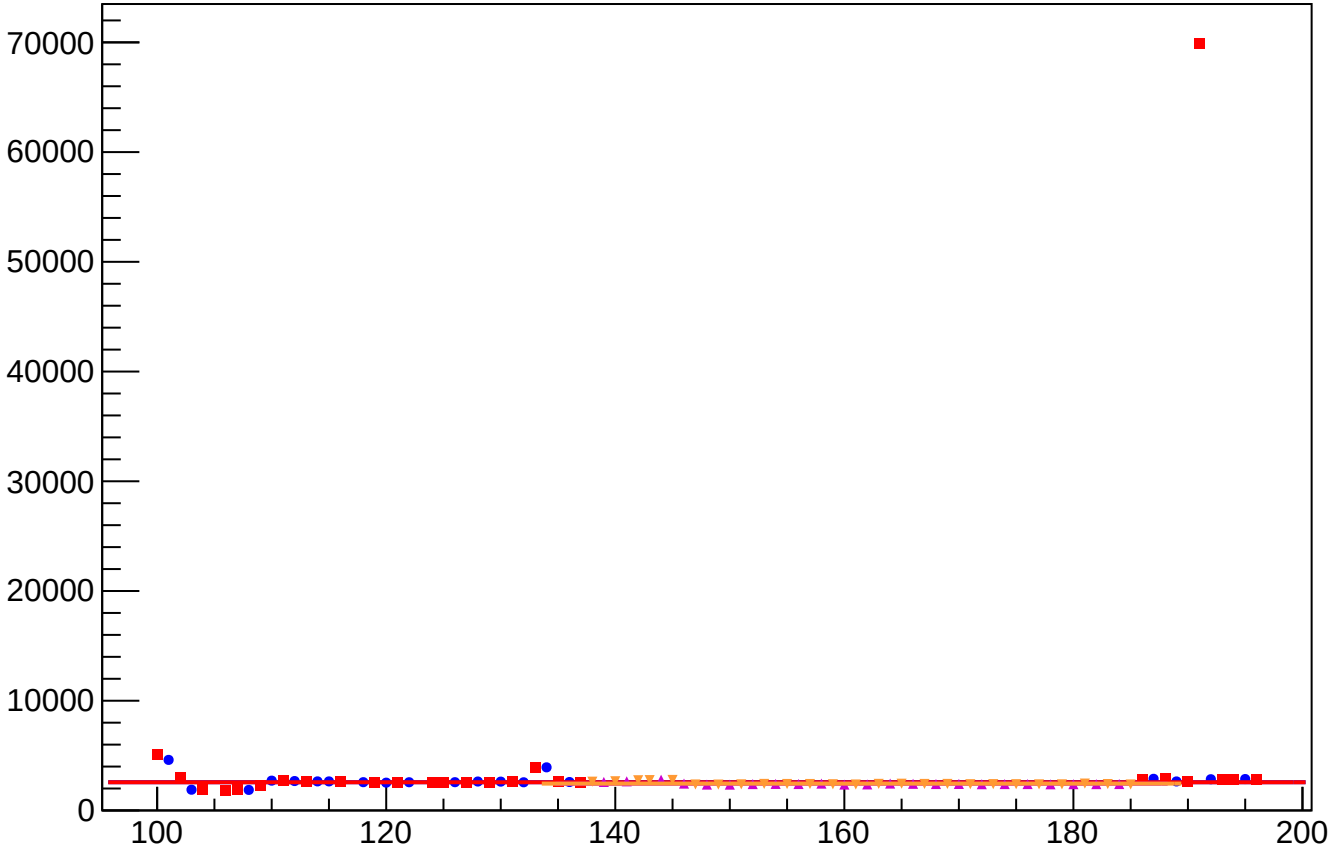
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.063+/-463.194 χ^2/NDF: 49.4/44

All: -310.312+/-325.371 χ^2/NDF: 139.5/93

- sign -2630.947+/-457.153 χ^2/NDF: 37.8/48

cor_asym_atr2_rms vs Slug



Right In: 2576.489+/-0.592 χ^2/NDF: 661784.7/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

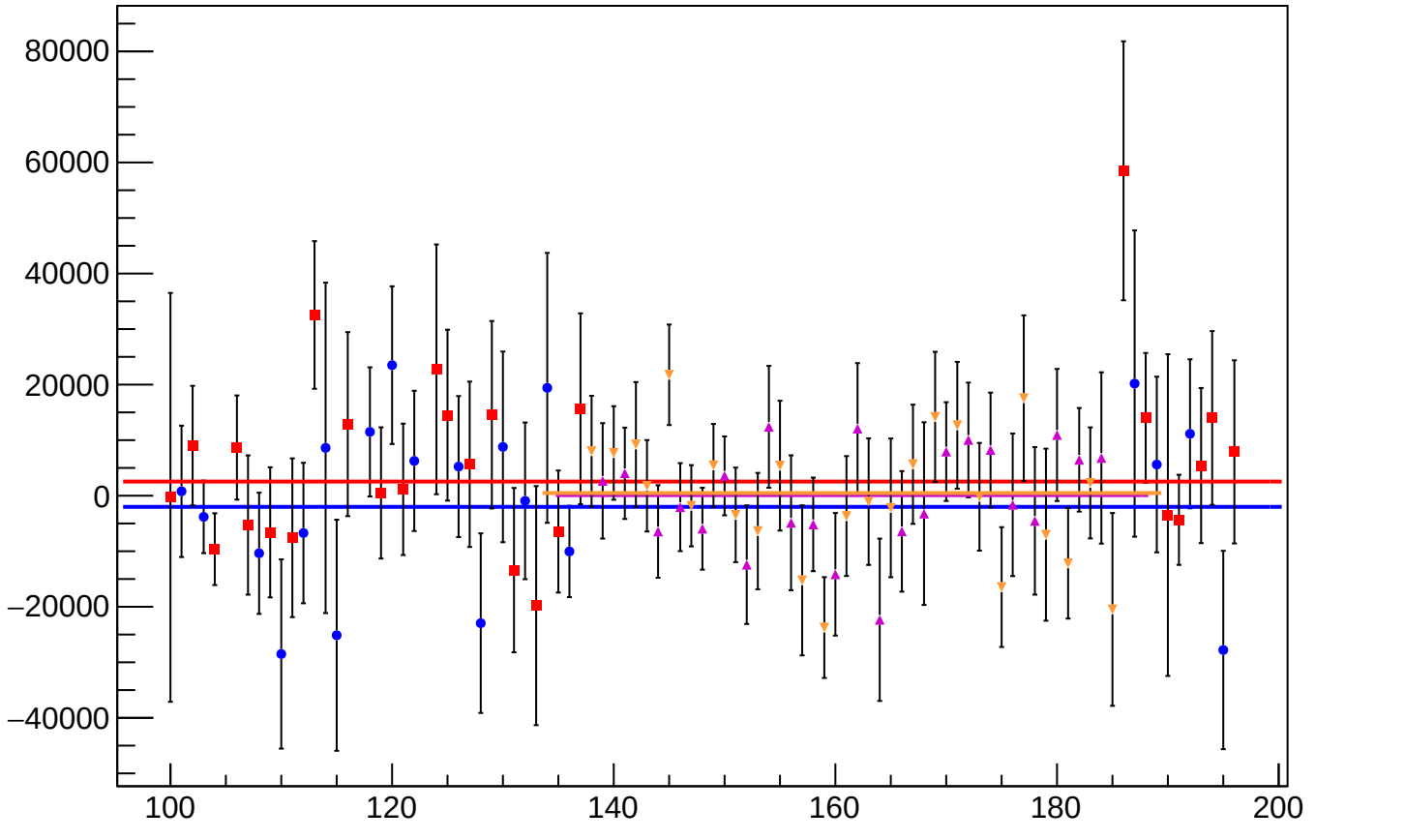
Right Out: 2569.214+/-0.543 χ^2/NDF: 693955.9/25

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

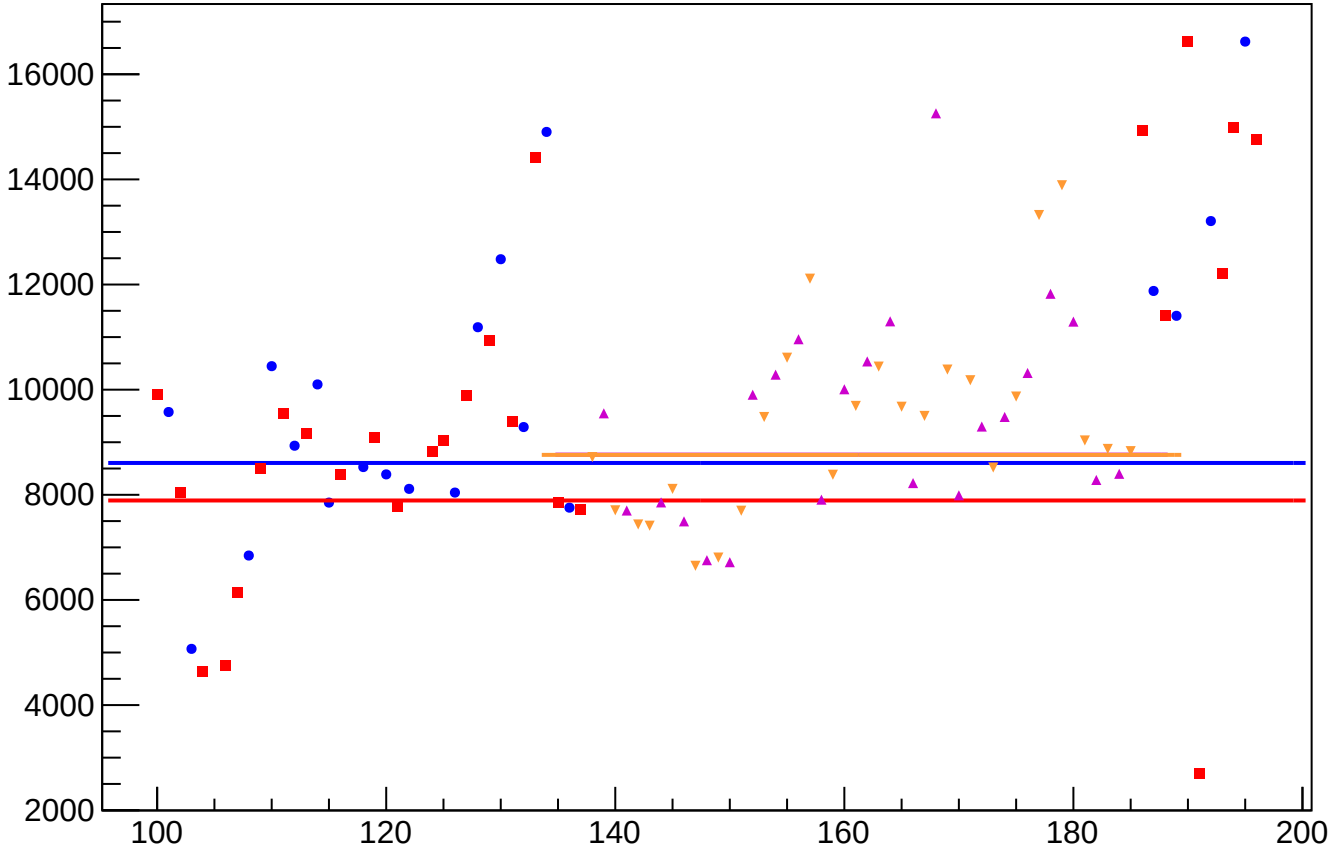
+ sign 2485.884+/-0.328 χ^2/NDF: 785633.1/44

All: 2484.554+/-0.230 χ^2/NDF: 1577727.1/93

- sign 2483.259+/-0.323 χ^2/NDF: 792061.5/48


asym_atr2_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -2009.401+/-2890.189 χ²/NDF: 17.7/19
Left Out: 477.198+/-2035.967 χ²/NDF:27.4/24
Right Out: 2545.716+/-2516.741 χ²/NDF: 25.0/25
Left In: 105.025+/-2090.897 χ²/NDF:14.5/22
+ sign -347.499+/-1664.449 χ²/NDF: 45.6/44
All: 401.972+/-1156.572 χ²/NDF: 86.0/93
- sign 1101.709+/-1608.277 χ²/NDF: 40.0/48

asym_atr2_cor_correction_rms vs Slug



Right In: 8605.969+/-2.044 χ^2/NDF: 1734701.4/19

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7892.080+/-1.780 χ^2/NDF: 3485560.2/25

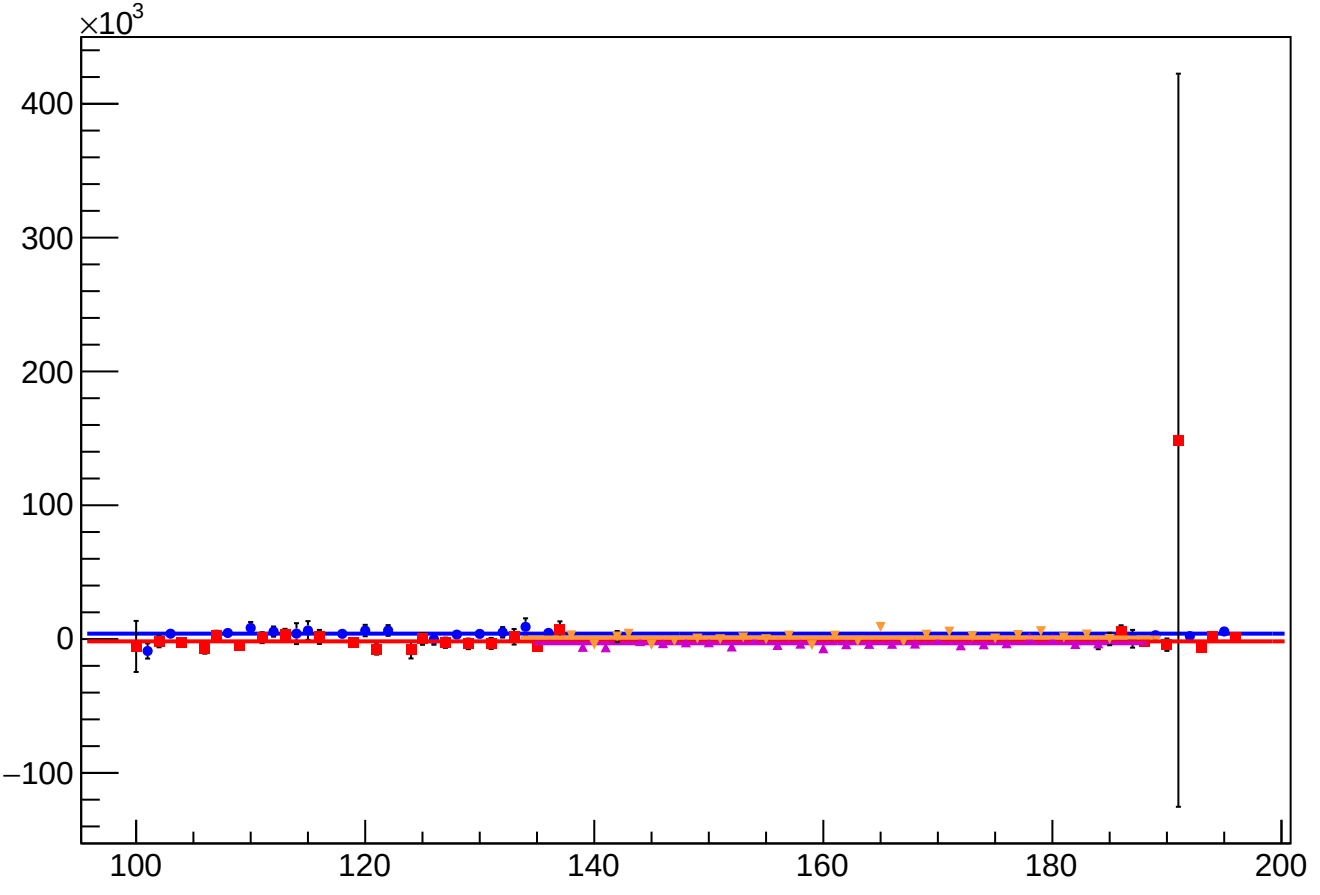
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8708.664+/-1.177 χ^2/NDF: 2960728.3/44

All: 8553.183+/-0.818 χ^2/NDF: 7913802.8/93

- sign 8408.019+/-1.137 χ^2/NDF: 4919328.5/48

eigen_cor_asym_atr2_mean vs Slug



Right In: 4070.157+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.925+/-767.268 χ^2/NDF: 22.8/25

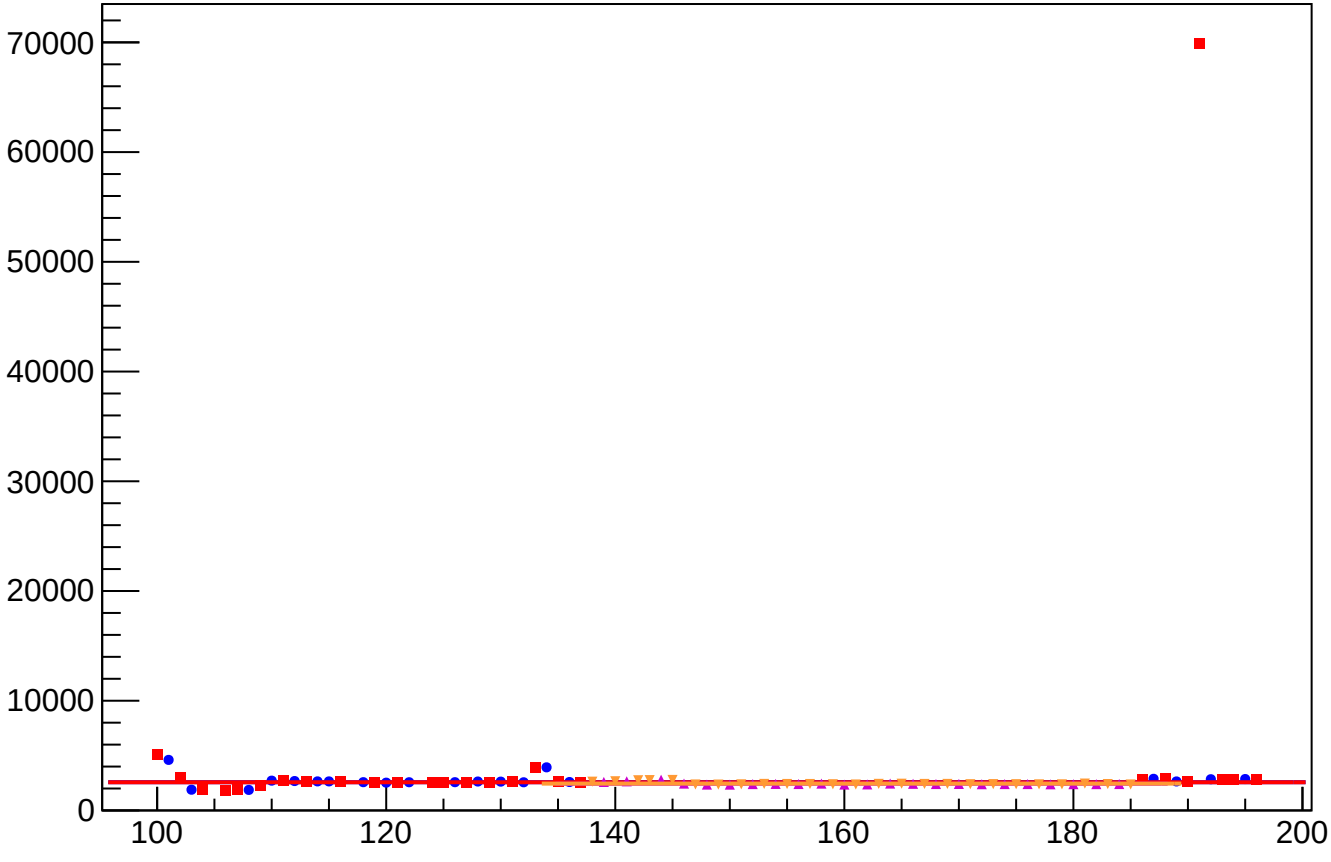
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.063+/-463.194 χ^2/NDF: 49.4/44

All: -310.312+/-325.371 χ^2/NDF: 139.5/93

- sign -2630.947+/-457.153 χ^2/NDF: 37.8/48

eigen_cor_asym_atr2_rms vs Slug



Right In: 2576.489+/-0.592 χ^2/NDF: 661784.7/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

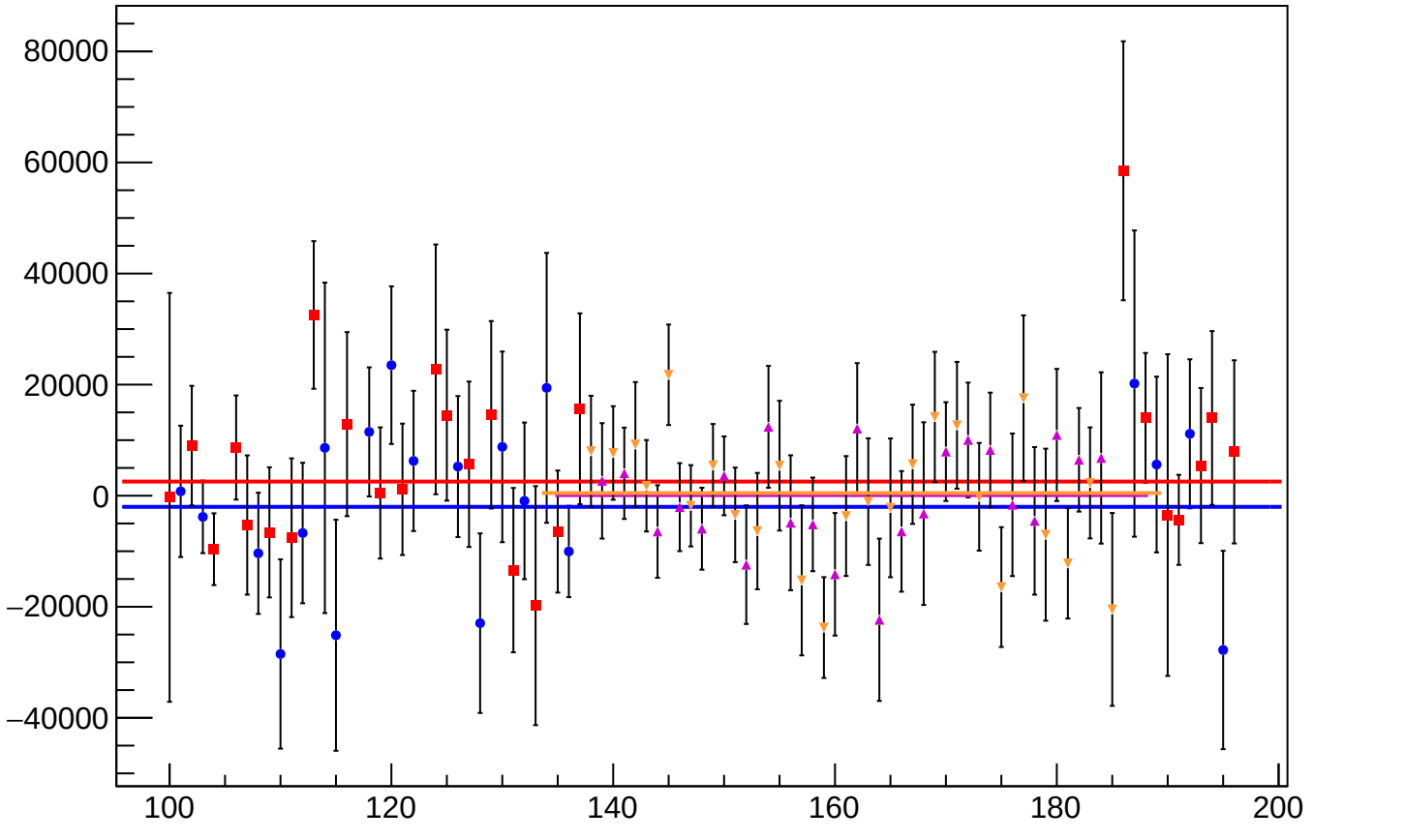
Right Out: 2569.214+/-0.543 χ^2/NDF: 693955.9/25

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

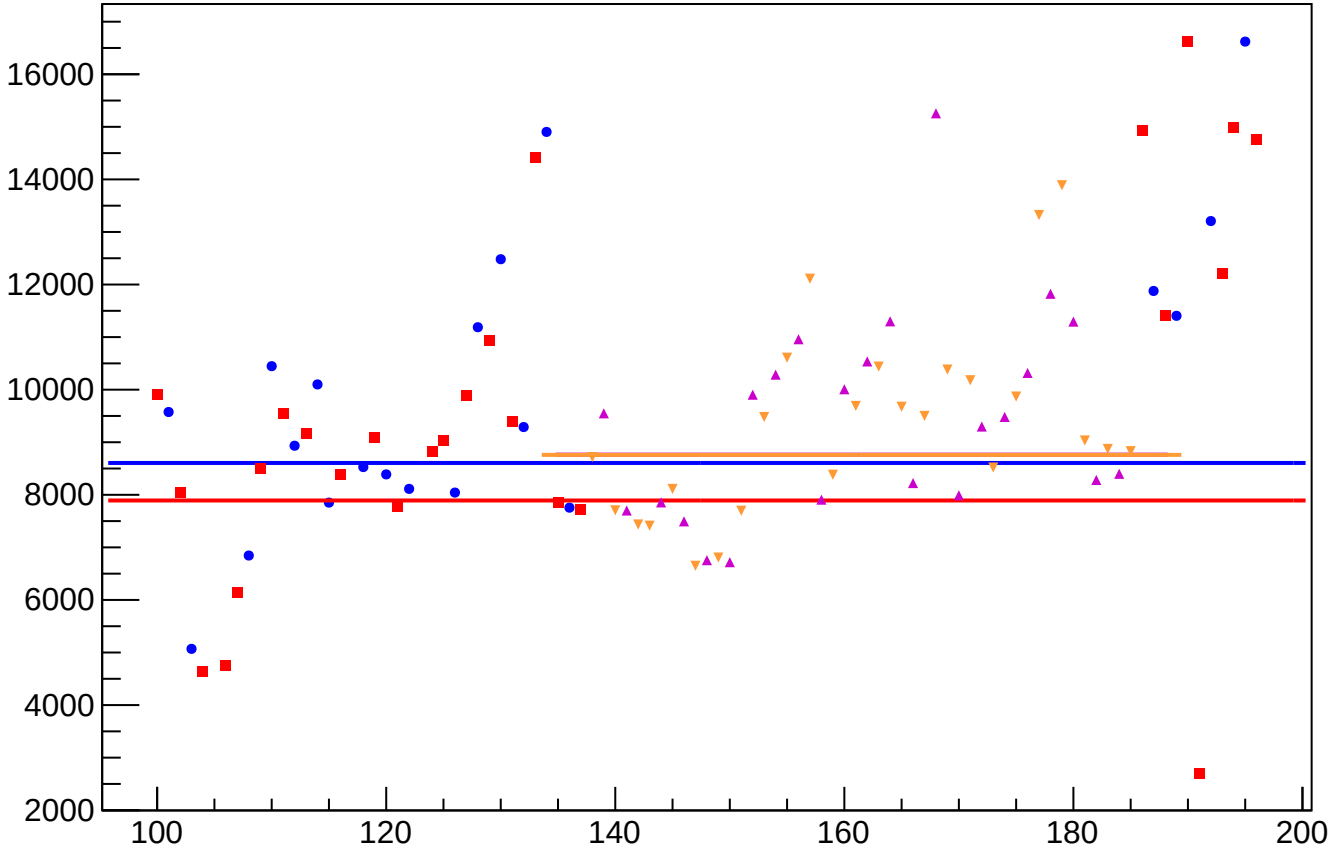
+ sign 2485.884+/-0.328 χ^2/NDF: 785633.1/44

All: 2484.554+/-0.230 χ^2/NDF: 1577727.1/93

- sign 2483.259+/-0.323 χ^2/NDF: 792061.5/48


asym_atr2_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -2009.401+/-2890.189 χ²/NDF: 17.7/19
Left Out: 477.198+/-2035.967 χ²/NDF:27.4/24
Right Out: 2545.716+/-2516.741 χ²/NDF: 25.0/25
Left In: 105.025+/-2090.897 χ²/NDF:14.5/22
+ sign -347.499+/-1664.449 χ²/NDF: 45.6/44
All: 401.972+/-1156.572 χ²/NDF: 86.0/93
- sign 1101.709+/-1608.277 χ²/NDF: 40.0/48

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8605.969+/-2.044 χ^2/NDF: 1734701.4/19

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7892.080+/-1.780 χ^2/NDF: 3485560.2/25

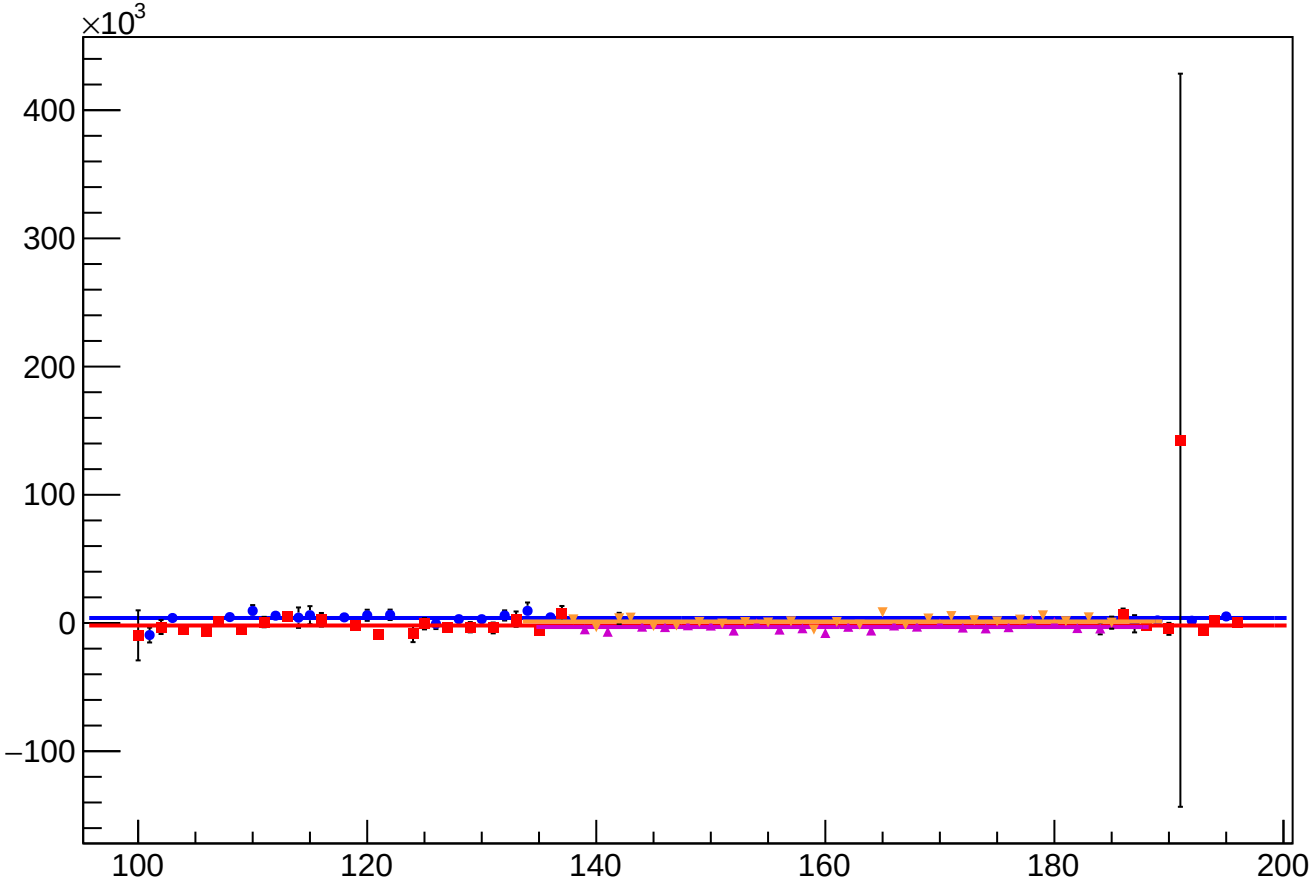
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8708.664+/-1.177 χ^2/NDF: 2960728.3/44

All: 8553.183+/-0.818 χ^2/NDF: 7913802.8/93

- sign 8408.019+/-1.137 χ^2/NDF: 4919328.5/48

dit_asym_atr2_mean vs Slug



Right In: 3907.540+/-866.651 χ^2/NDF: 11.5/19

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1950.611+/-796.114 χ^2/NDF: 26.1/25

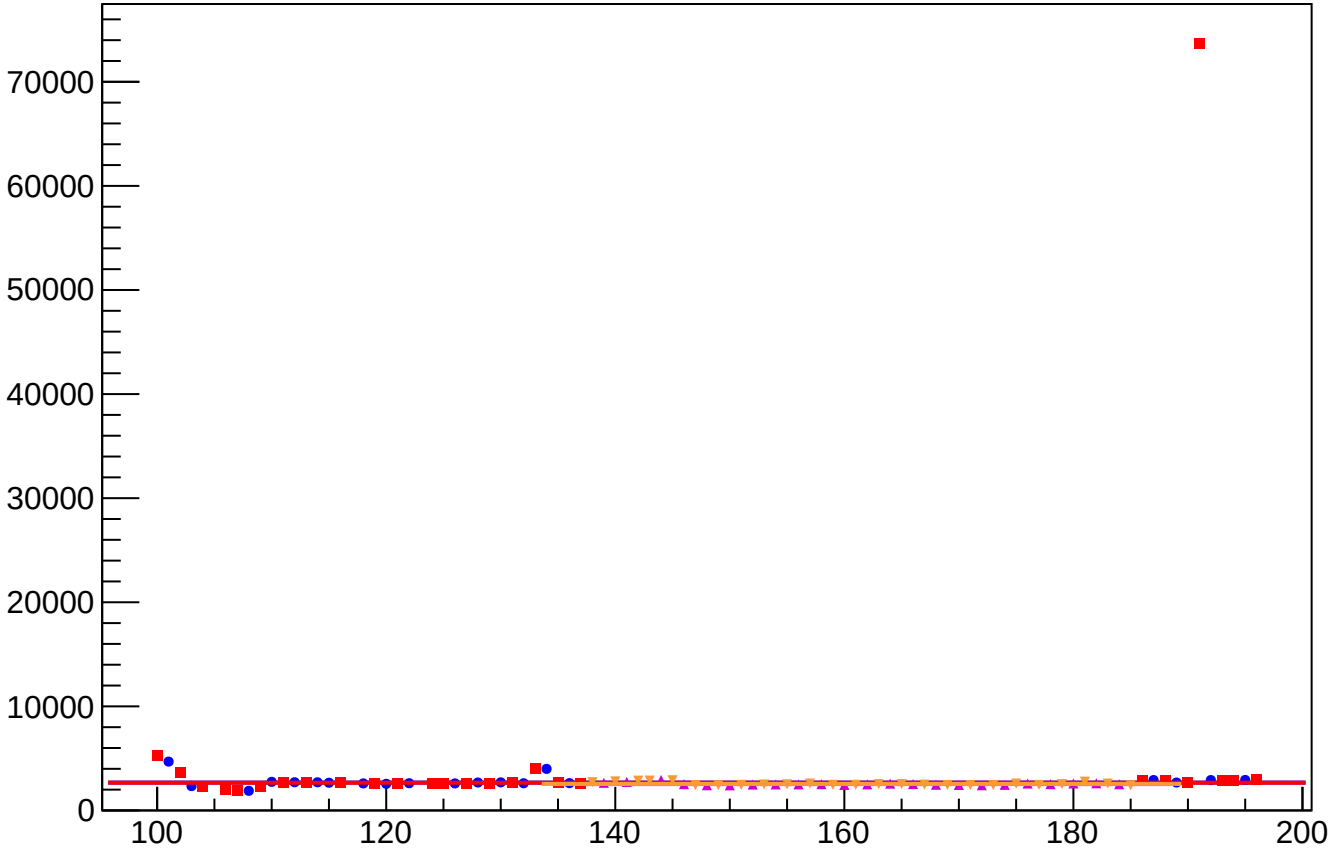
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2046.518+/-481.839 χ^2/NDF: 45.0/44

All: -371.763+/-338.309 χ^2/NDF: 138.7/93

- sign -2722.999+/-475.113 χ^2/NDF: 44.0/48

dit_asym_atr2_rms vs Slug



Right In: 2678.324+/-0.613 χ^2/NDF: 520909.3/19

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2664.938+/-0.563 χ^2/NDF: 603376.9/25

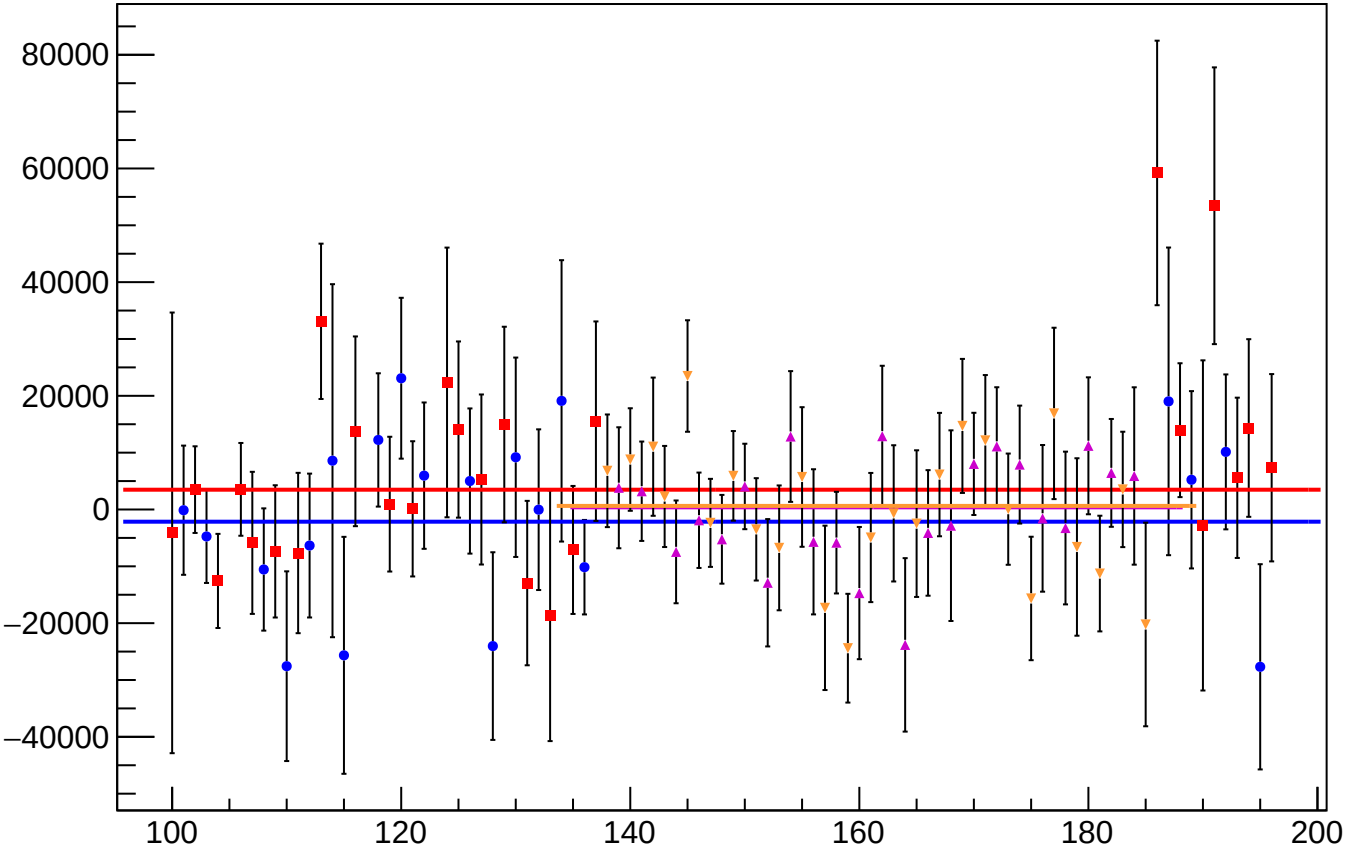
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2587.700+/-0.341 χ^2/NDF: 669860.8/44

All: 2583.729+/-0.239 χ^2/NDF: 1377454.5/93

- sign 2579.868+/-0.336 χ^2/NDF: 707325.7/48

asym_atr2_dit_correction_mean vs Slug



Right In: -2146.990+/-3003.068 χ^2/NDF: 17.5/19

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3480.987+/-2618.071 χ^2/NDF: 27.6/25

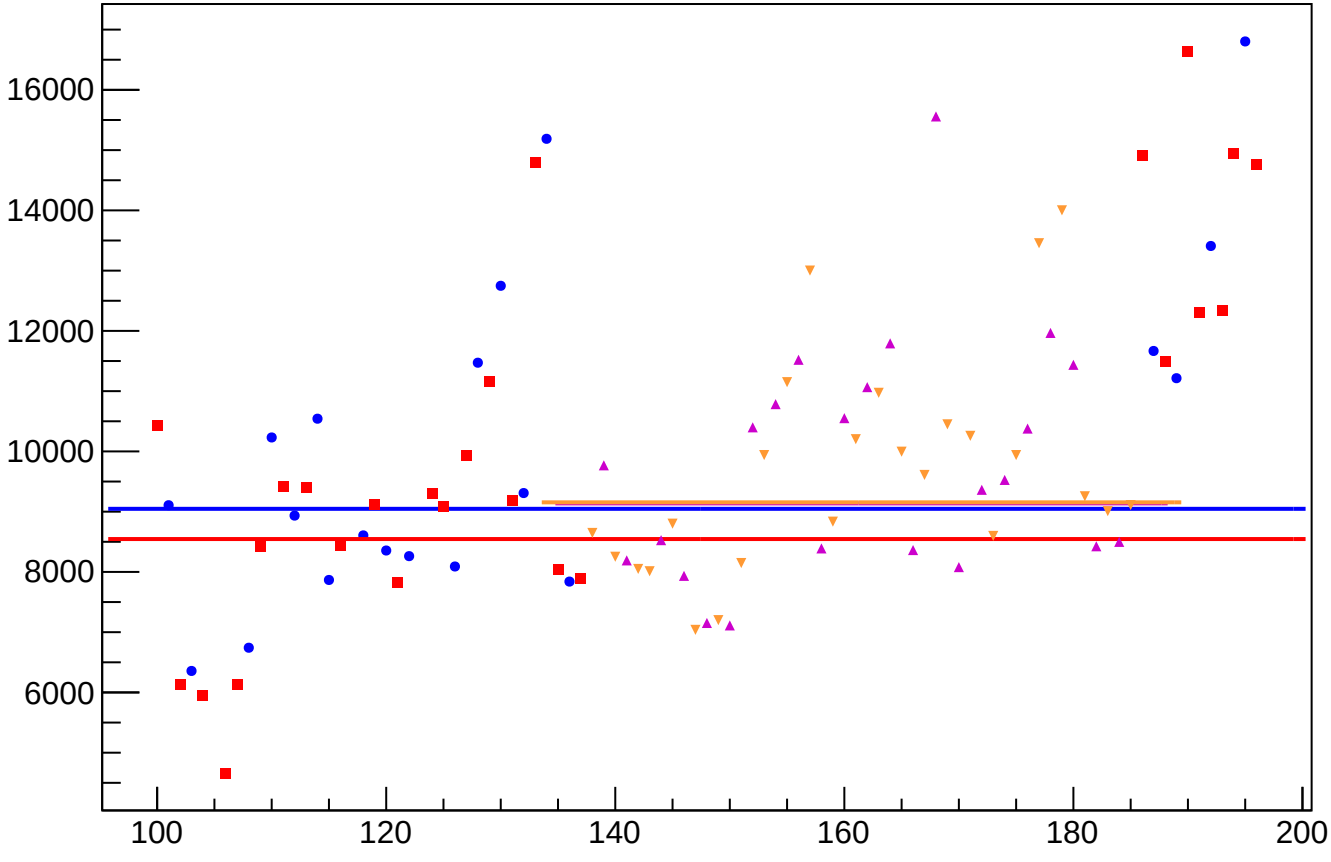
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -294.530+/-1733.611 χ^2/NDF: 44.7/44

All: 709.882+/-1204.073 χ^2/NDF: 88.0/93

- sign 1645.966+/-1673.606 χ^2/NDF: 42.7/48

asym_atr2_dit_correction_rms vs Slug



Right In: 9047.152+/-2.123 χ^2/NDF: 1285306.8/19

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8545.709+/-1.851 χ^2/NDF: 2442472.5/25

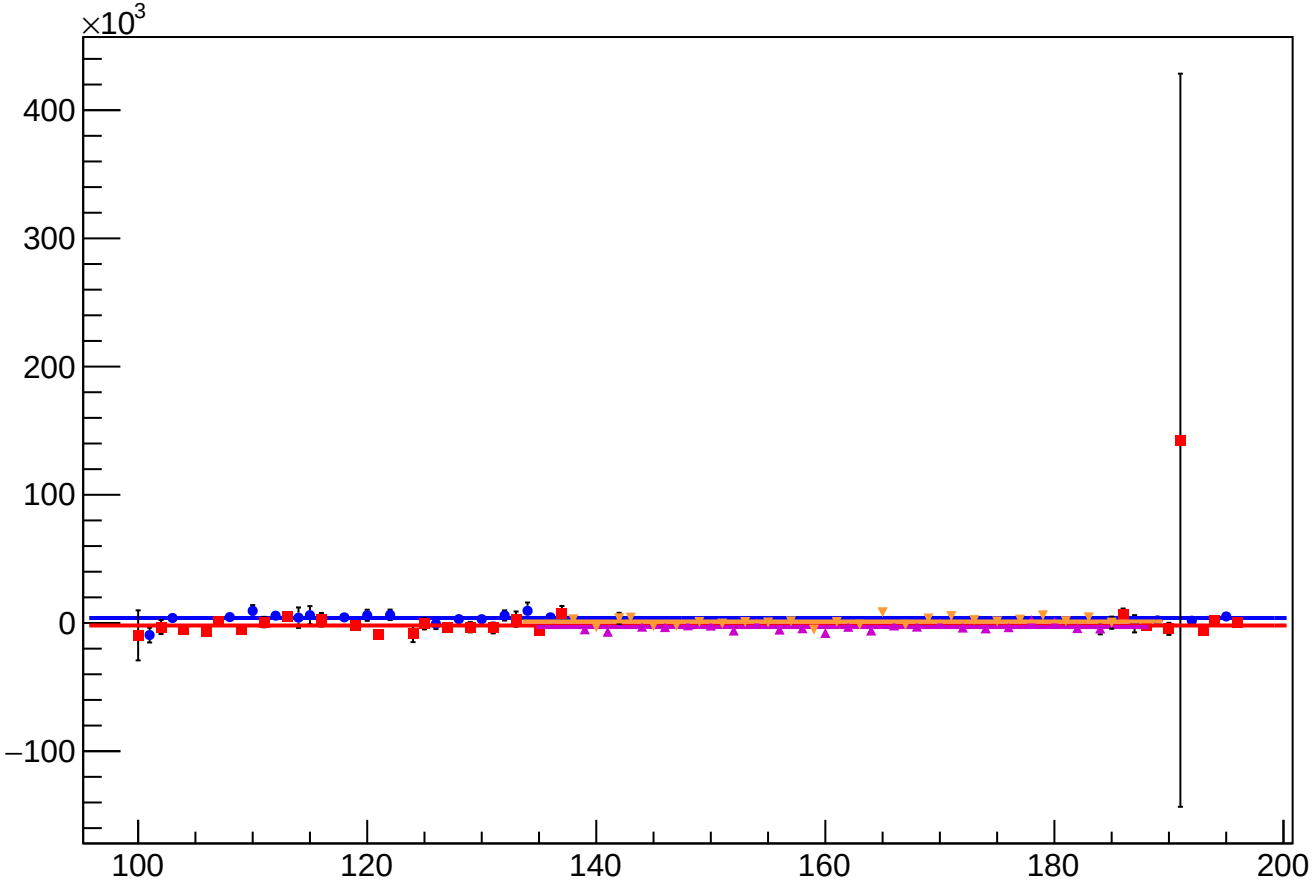
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9118.852+/-1.226 χ^2/NDF: 2359090.6/44

All: 9003.354+/-0.851 χ^2/NDF: 6051951.2/93

- sign 8895.714+/-1.183 χ^2/NDF: 3675710.4/48

eigen_dit_asym_atr2_mean vs Slug



Right In: 3907.542+/-866.651 χ^2/NDF: 11.5/19

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1950.616+/-796.114 χ^2/NDF: 26.1/25

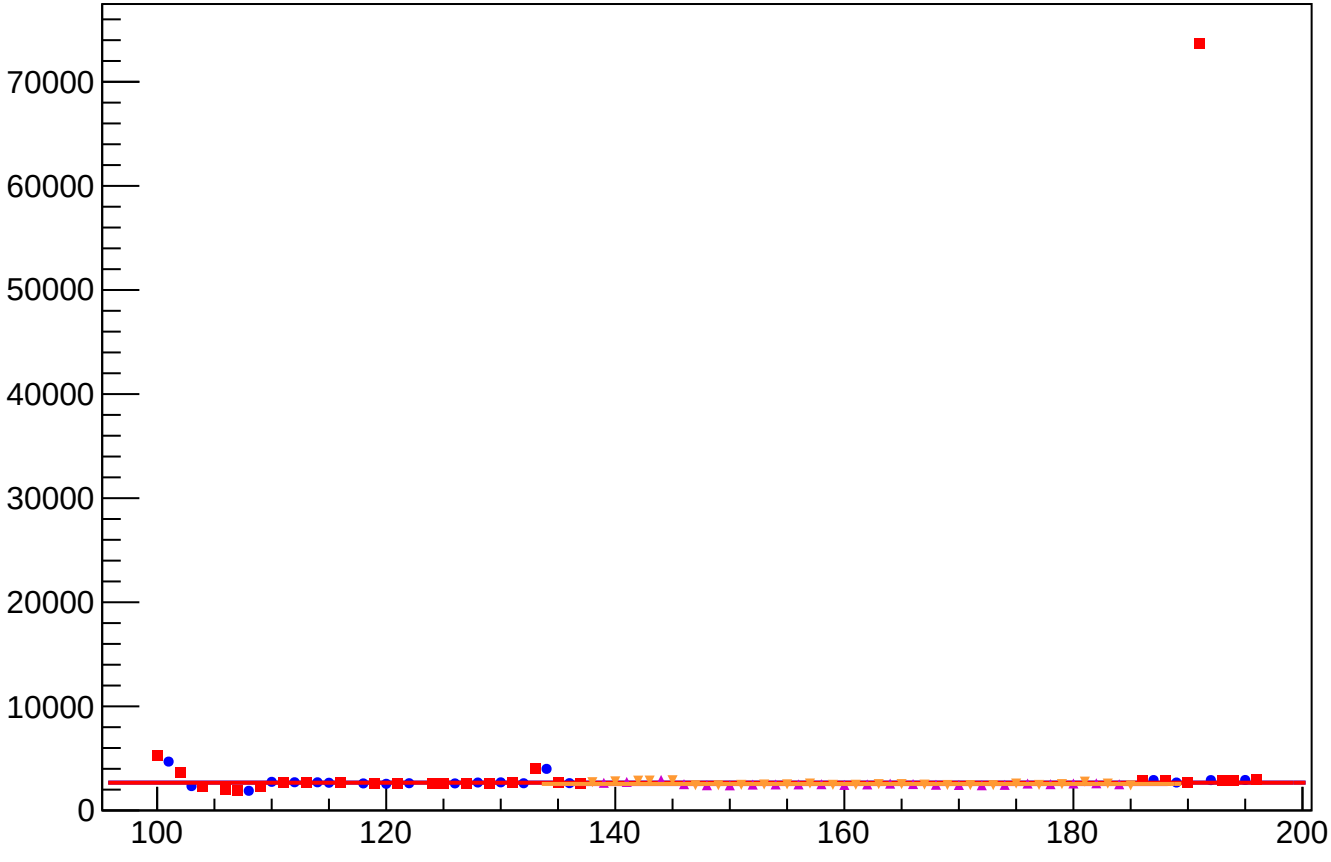
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2046.512+/-481.839 χ^2/NDF: 45.0/44

All: -371.766+/-338.309 χ^2/NDF: 138.7/93

- sign -2722.999+/-475.113 χ^2/NDF: 44.0/48

eigen_dit_asym_atr2_rms vs Slug



Right In: 2678.323+/-0.613 χ^2/NDF: 520909.6/19

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2664.938+/-0.563 χ^2/NDF: 603376.4/25

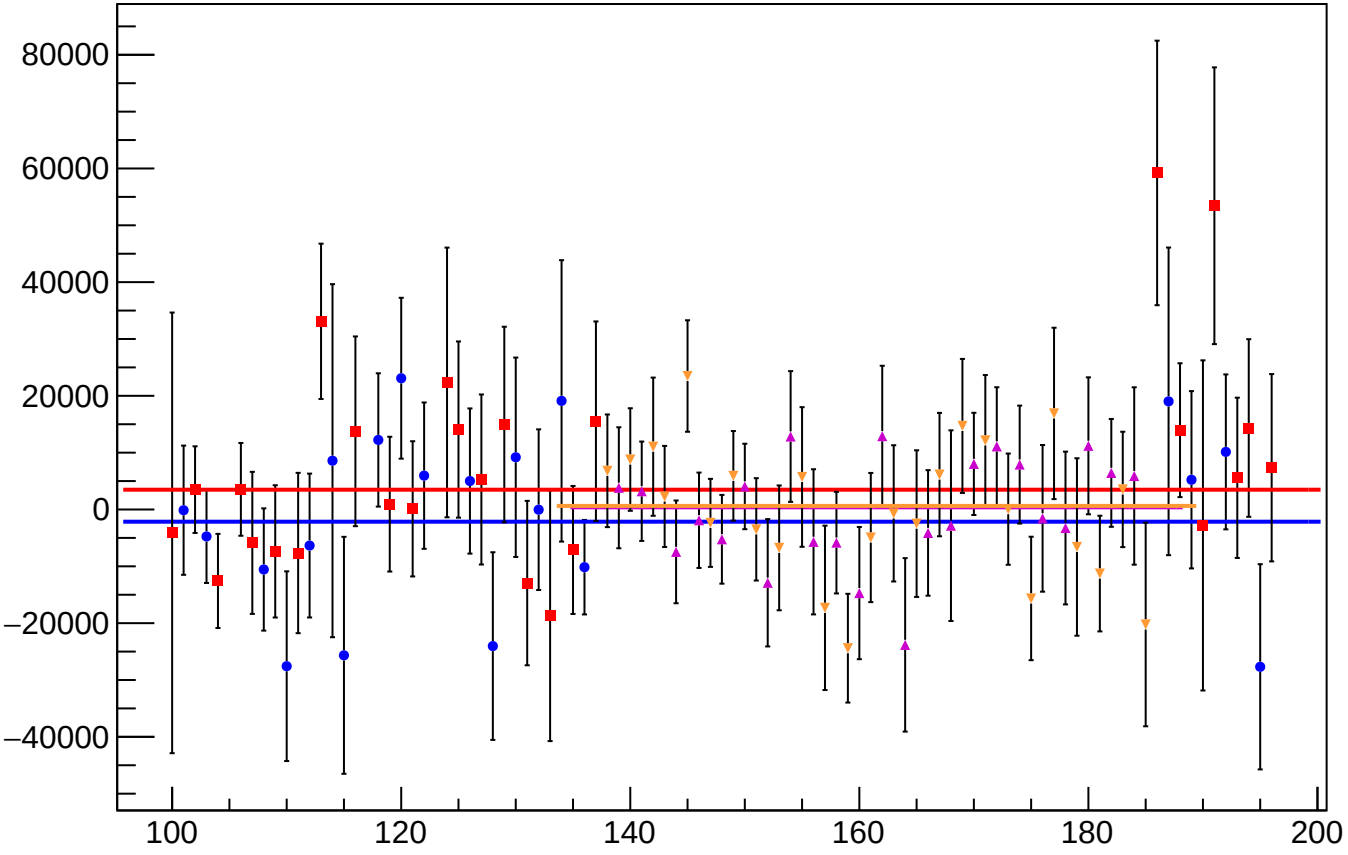
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2587.701+/-0.341 χ^2/NDF: 669859.8/44

All: 2583.730+/-0.239 χ^2/NDF: 1377451.7/93

- sign 2579.869+/-0.336 χ^2/NDF: 707323.9/48

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2146.959+/-3003.065 χ^2/NDF: 17.5/19

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3480.976+/-2618.068 χ^2/NDF: 27.6/25

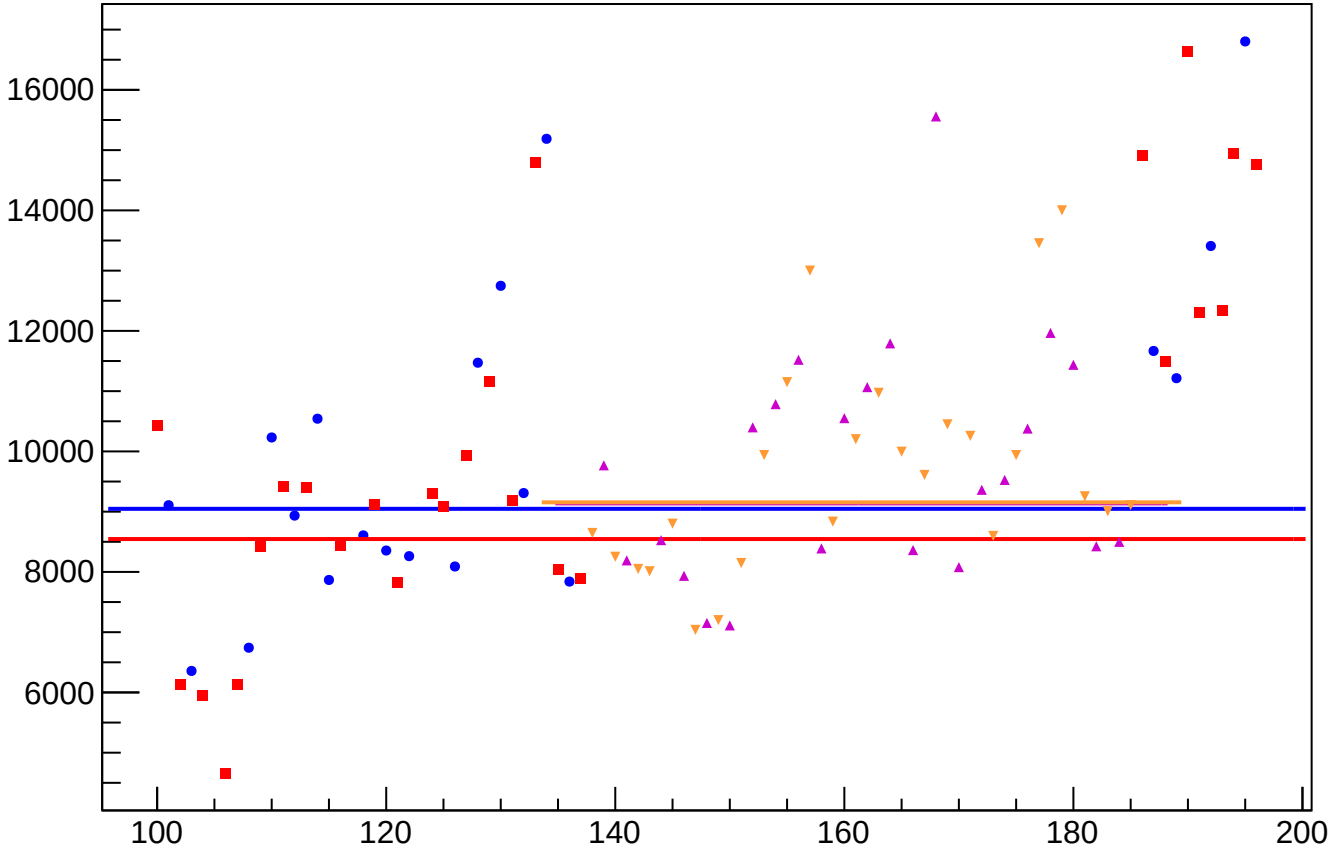
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -294.526+/-1733.612 χ^2/NDF: 44.7/44

All: 709.885+/-1204.073 χ^2/NDF: 88.0/93

- sign 1645.969+/-1673.606 χ^2/NDF: 42.7/48

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9047.143+/-2.123 χ^2/NDF: 1285306.8/19

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8545.698+/-1.851 χ^2/NDF: 2442475.3/25

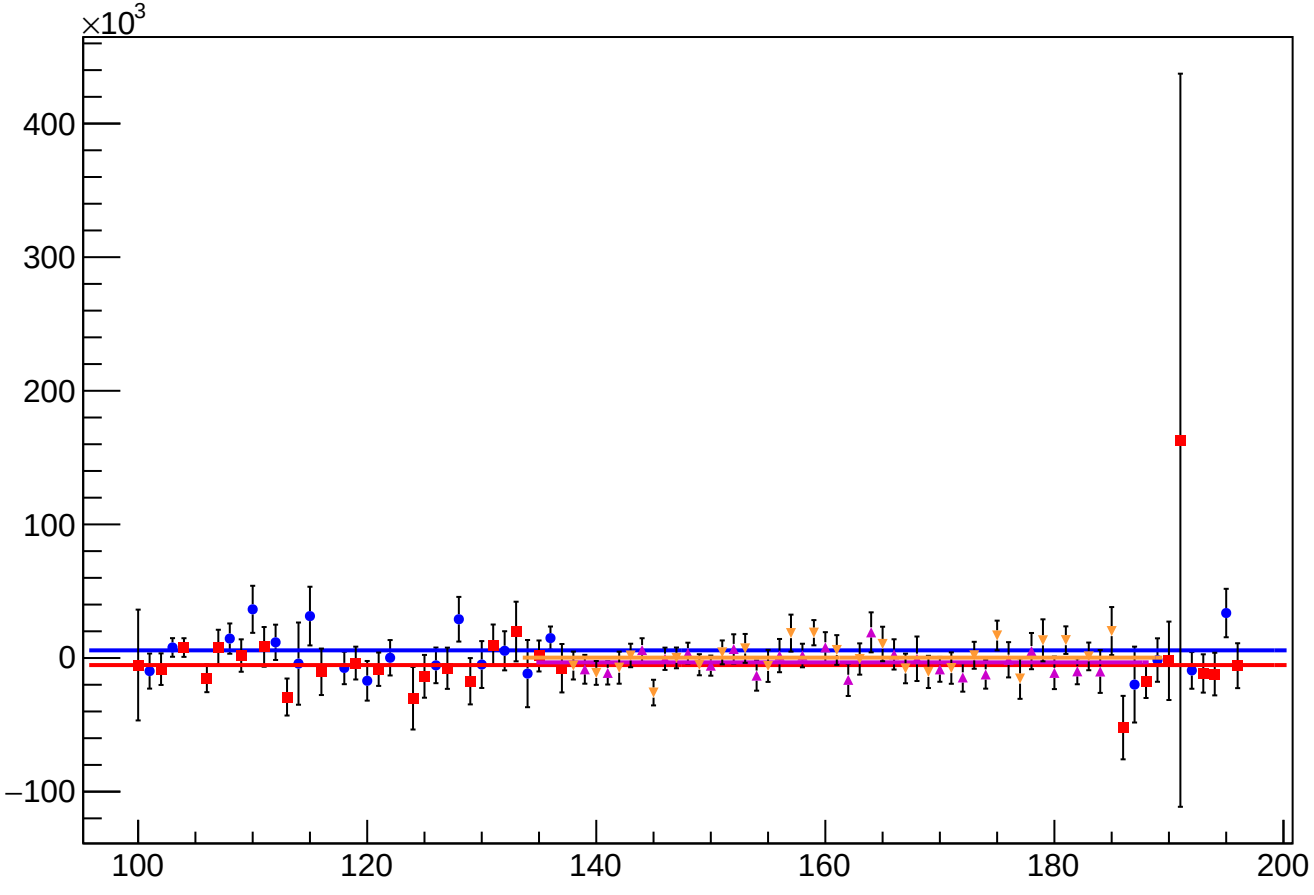
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9118.858+/-1.226 χ^2/NDF: 2359093.4/44

All: 9003.359+/-0.851 χ^2/NDF: 6051966.5/93

- sign 8895.717+/-1.183 χ^2/NDF: 3675722.3/48

asym_atr2_mean vs Slug



Right In: 5741.372+/-3033.823 χ^2/NDF: 19.7/19

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5275.548+/-2791.512 χ^2/NDF: 20.1/25

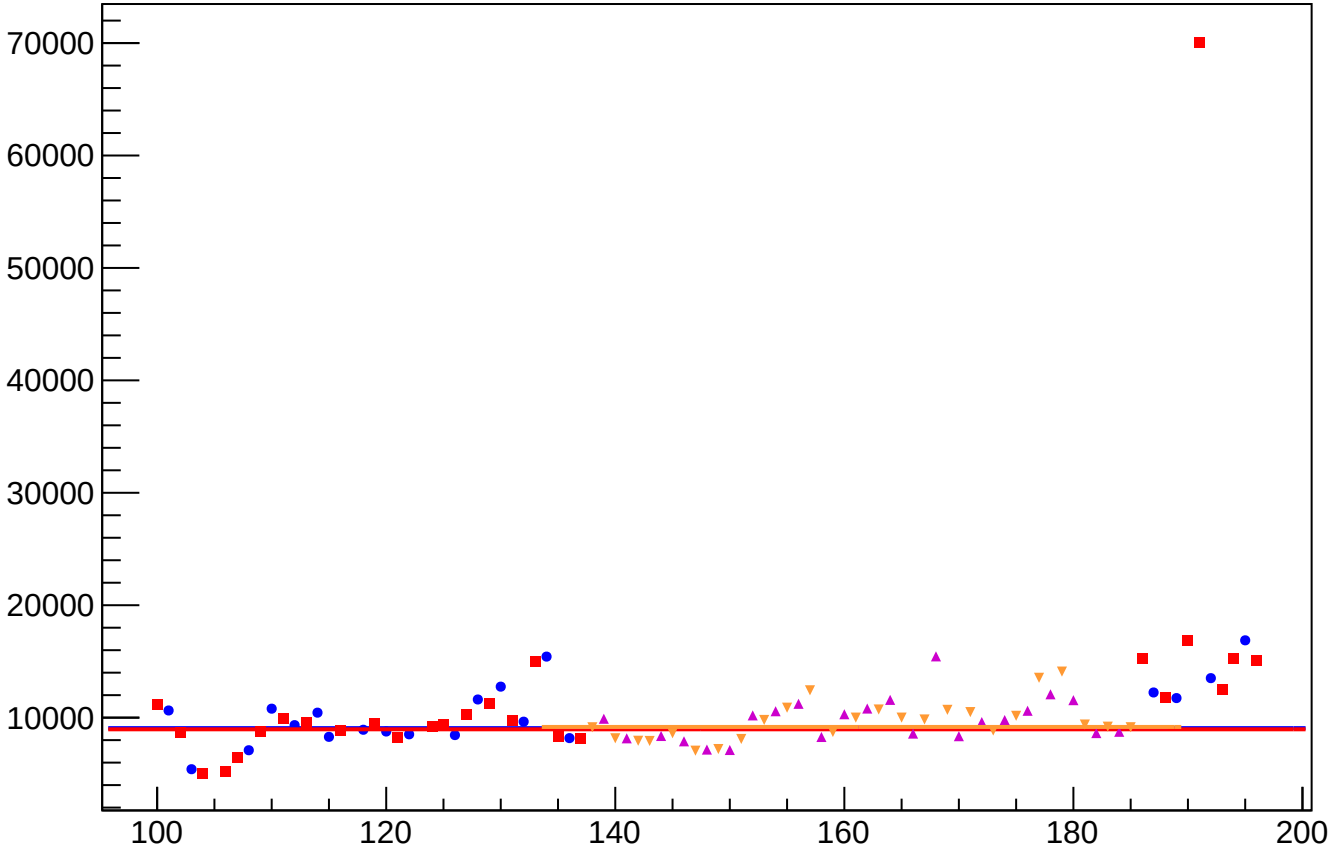
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2088.046+/-1740.722 χ^2/NDF: 48.2/44

All: -999.443+/-1222.791 χ^2/NDF: 88.4/93

- sign -4007.125+/-1718.076 χ^2/NDF: 33.9/48

asym_atr2_rms vs Slug



Right In: 9067.217+/-2.145 χ^2/NDF: 1621141.1/19

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8962.324+/-1.974 χ^2/NDF: 2433218.3/25

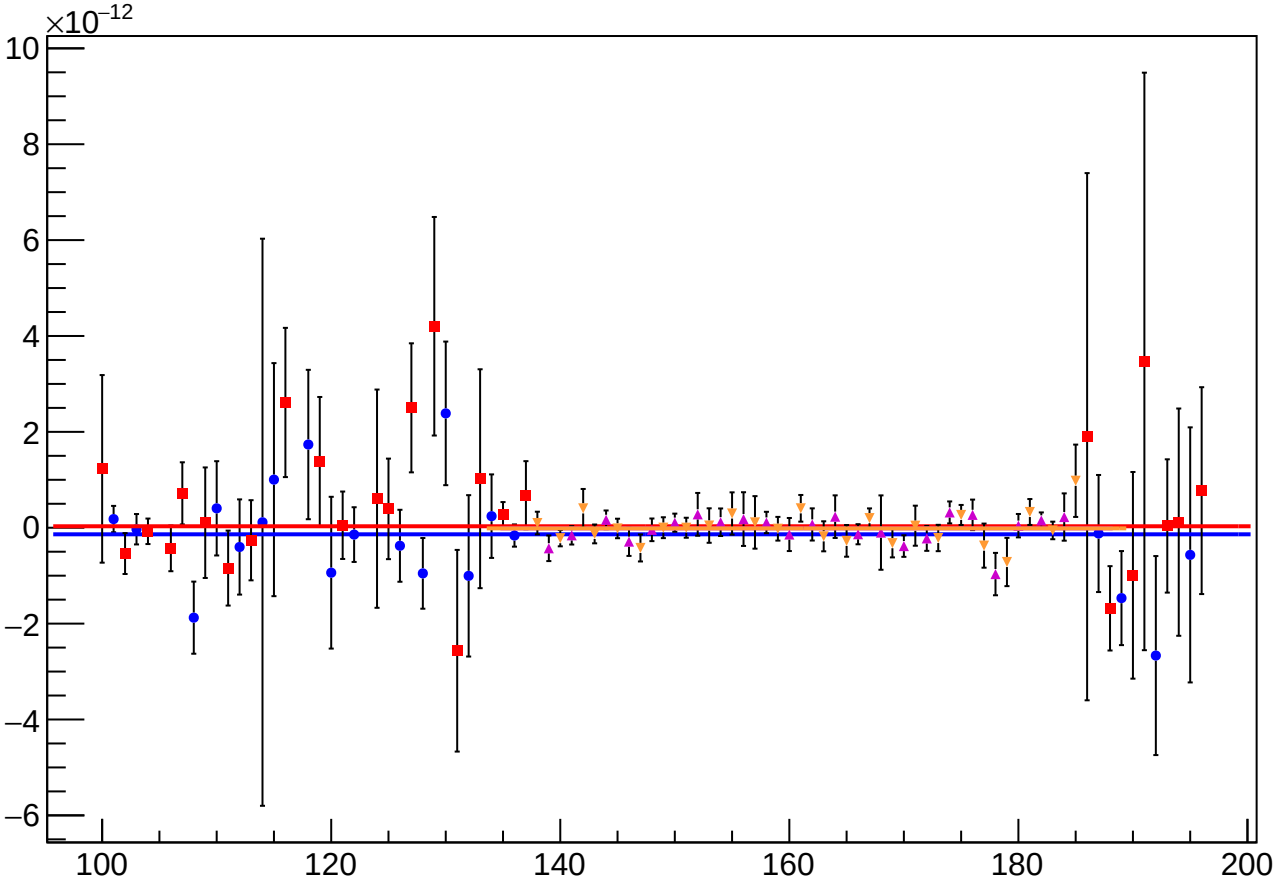
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9138.058+/-1.231 χ^2/NDF: 2679713.7/44

All: 9111.958+/-0.865 χ^2/NDF: 6247727.7/93

- 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: 17.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/25

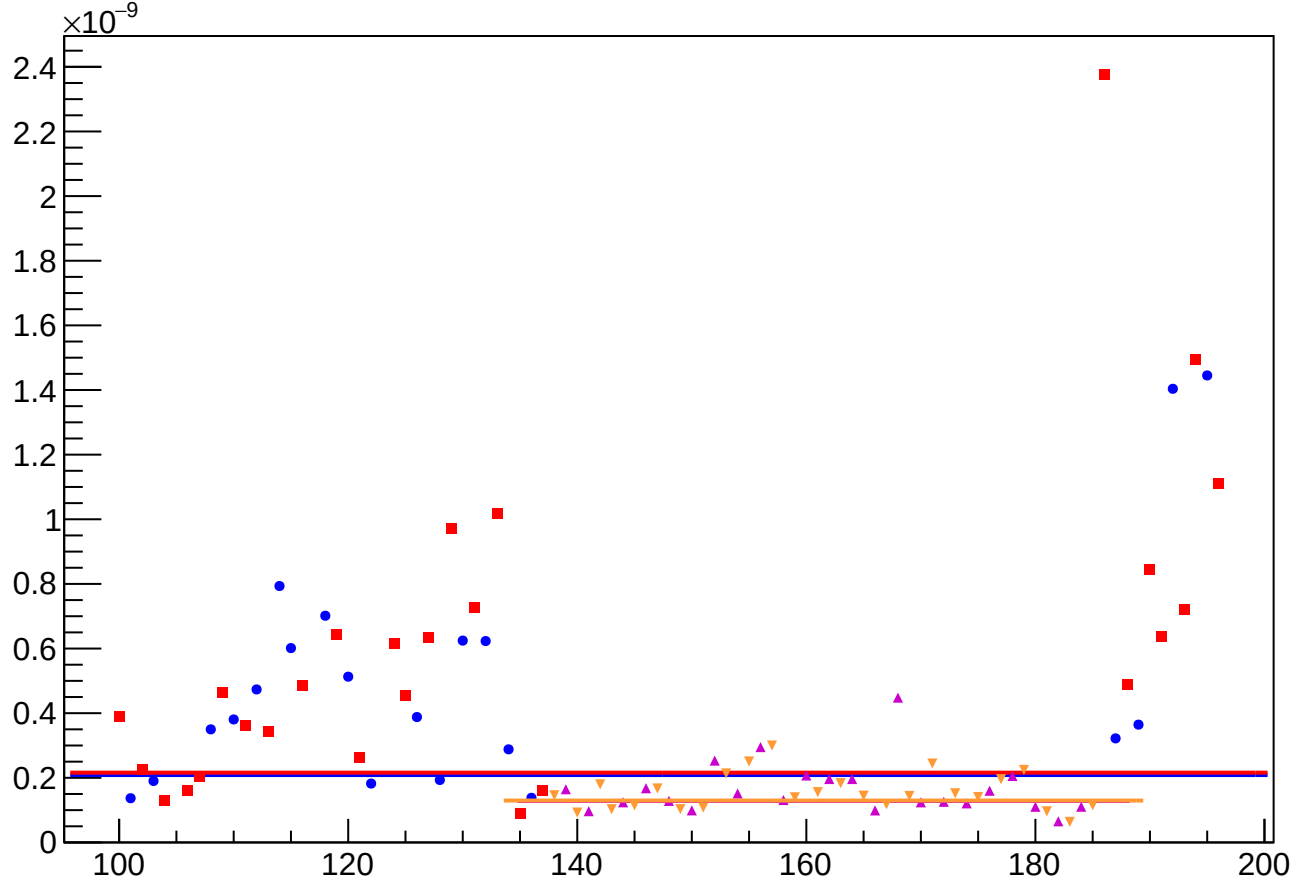
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/44

All: -0.000+/-0.000 χ^2/NDF: 80.9/93

- 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: 2522479.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3996452.3/25

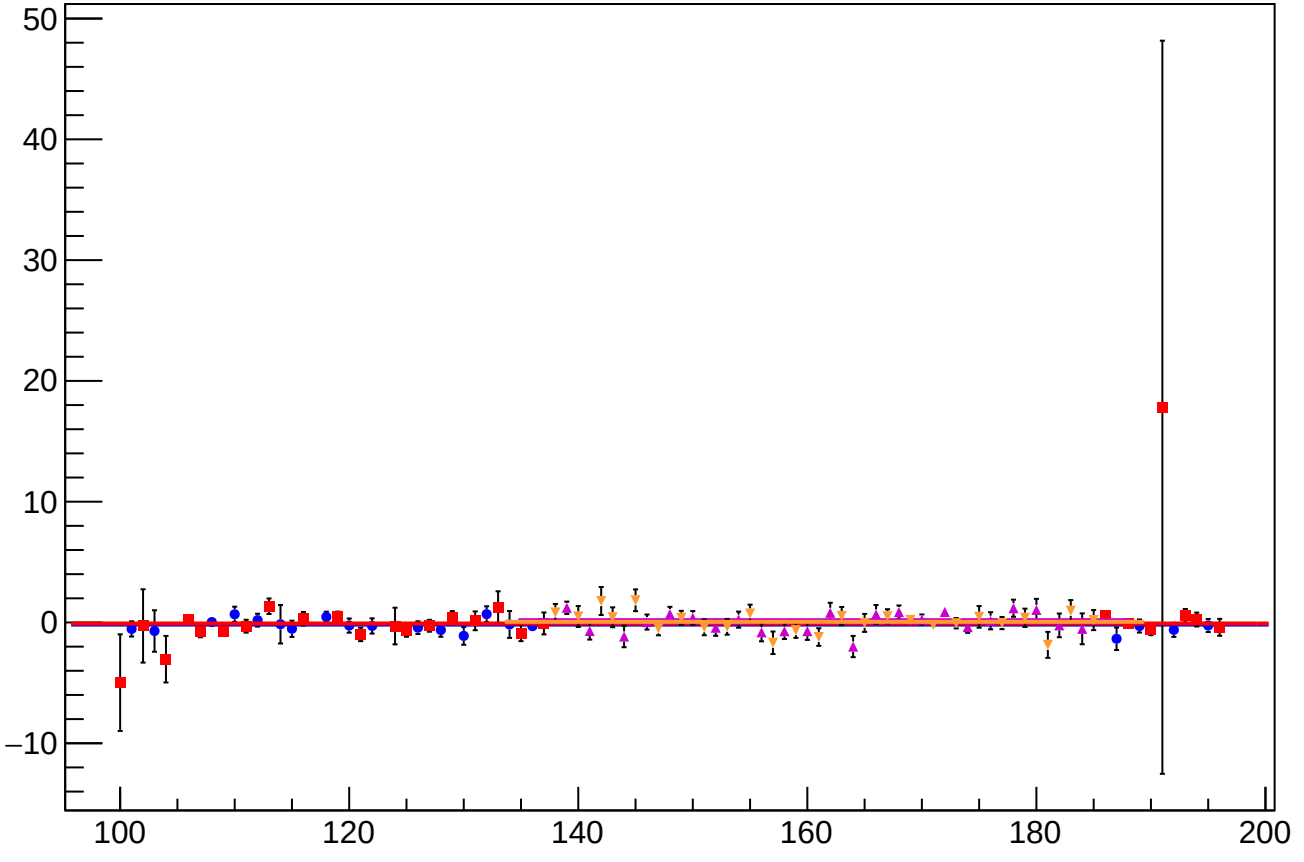
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4529897.5/44

All: 0.000+/-0.000 χ^2/NDF: 10758592.6/93

- sign 0.000+/-0.000 χ^2/NDF: 6228684.9/48

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

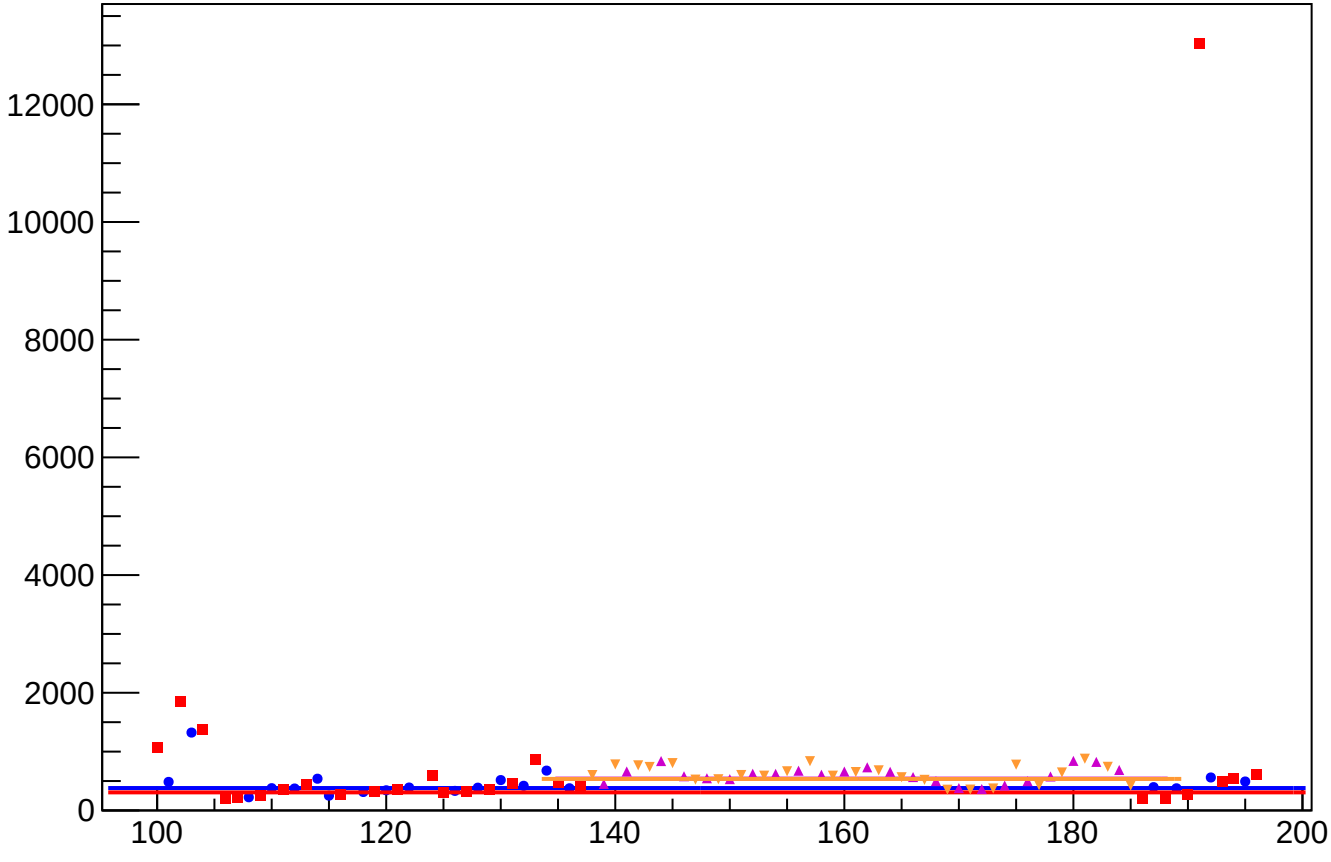
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.016+/-0.061 χ^2/NDF: 103.6/93

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 381.003+/-0.092 χ^2/NDF: 1684805.7/19

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 307.226+/-0.073 χ^2/NDF: 4239545.3/25

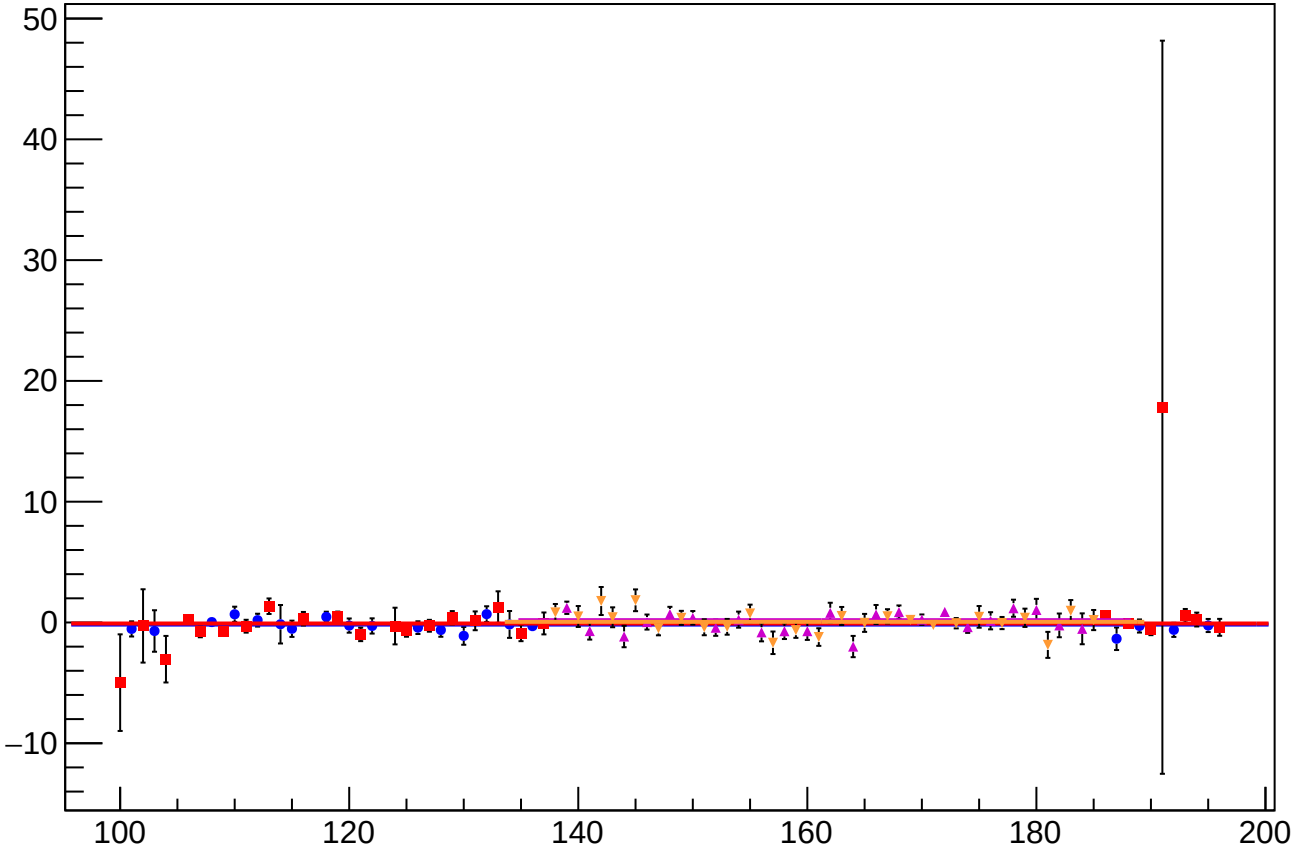
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.117+/-0.065 χ^2/NDF: 5854122.4/44

All: 422.934+/-0.043 χ^2/NDF: 16405298.3/93

- sign 394.570+/-0.058 χ^2/NDF: 9998707.6/48

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

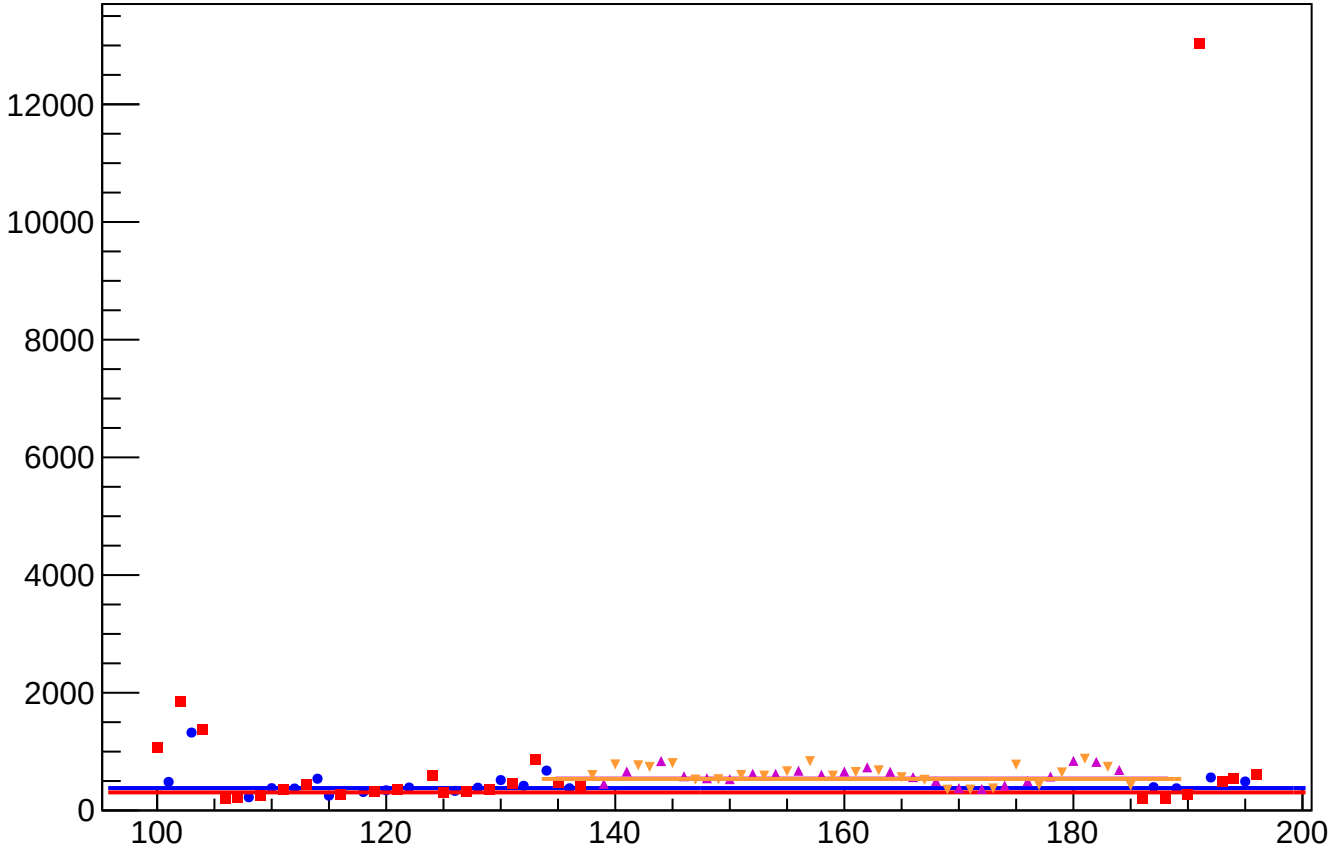
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.016+/-0.061 χ^2/NDF: 103.6/93

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 381.003+/-0.092 χ^2/NDF: 1684805.7/19

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 307.226+/-0.073 χ^2/NDF: 4239545.3/25

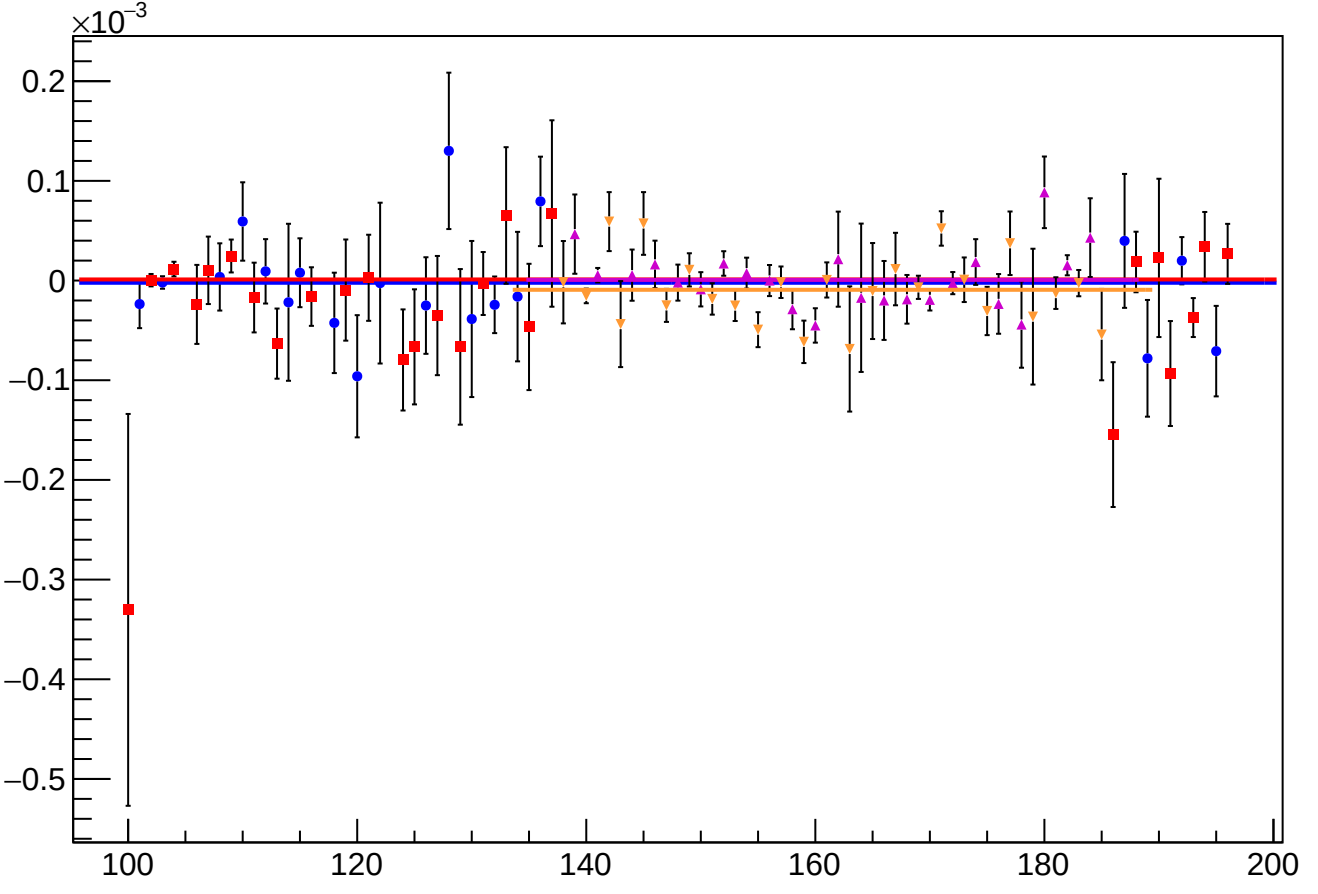
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.117+/-0.065 χ^2/NDF: 5854122.4/44

All: 422.934+/-0.043 χ^2/NDF: 16405298.3/93

- 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: 19.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/25

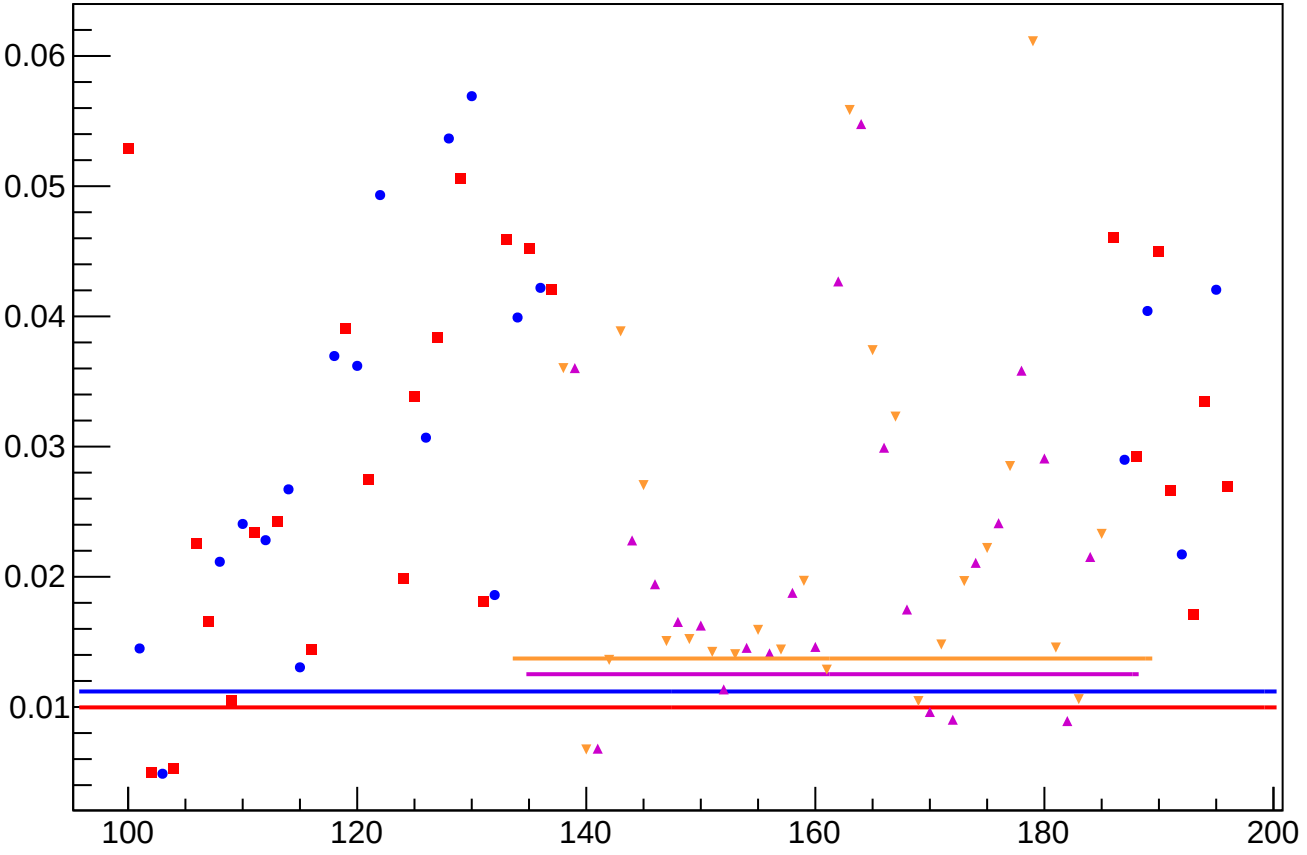
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.4/44

All: -0.000+/-0.000 χ^2/NDF: 131.4/93

- sign 0.000+/-0.000 χ^2/NDF: 62.0/48

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 9134034.7/19

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10768880.1/25

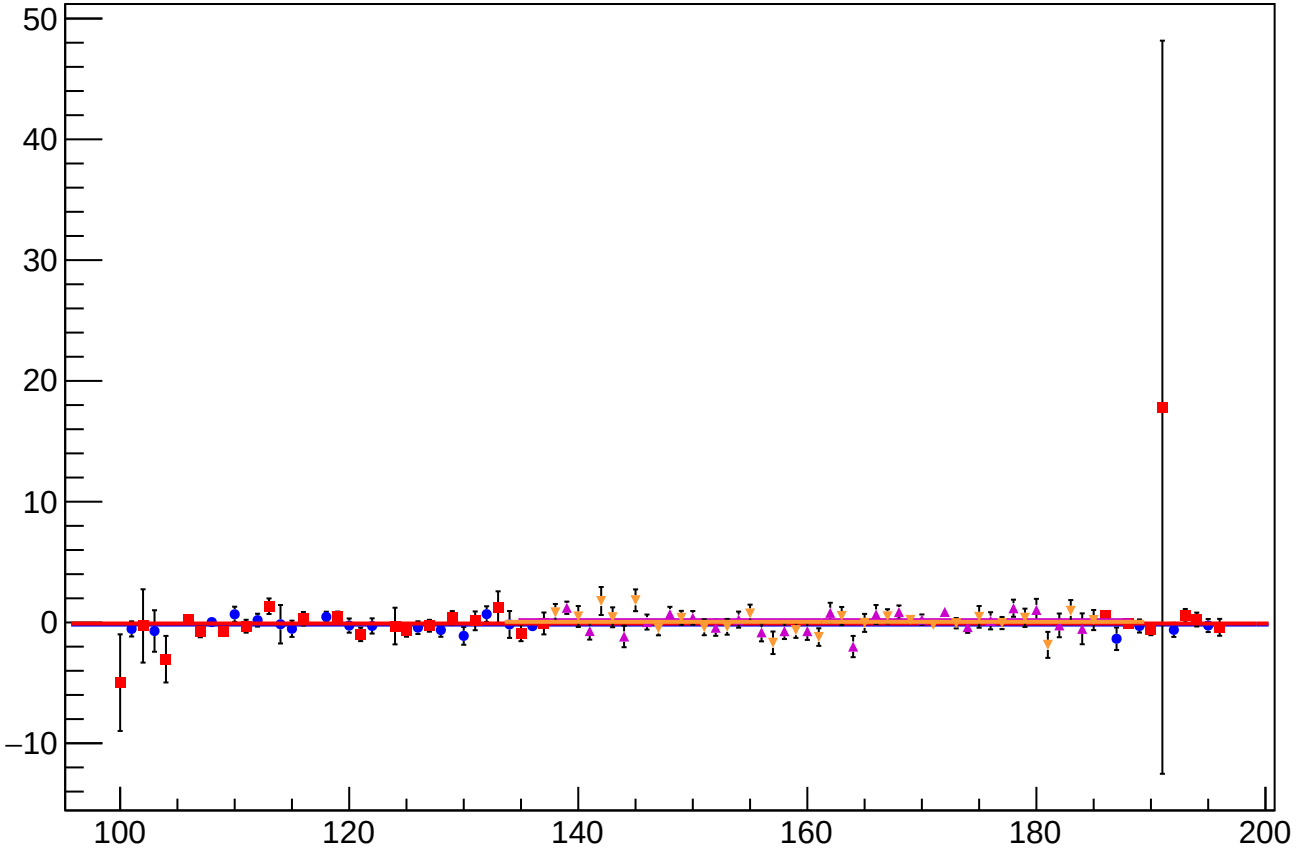
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 17171642.6/44

All: 0.012+/-0.000 χ^2/NDF: 35804722.3/93

- sign 0.011+/-0.000 χ^2/NDF: 18356873.8/48

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

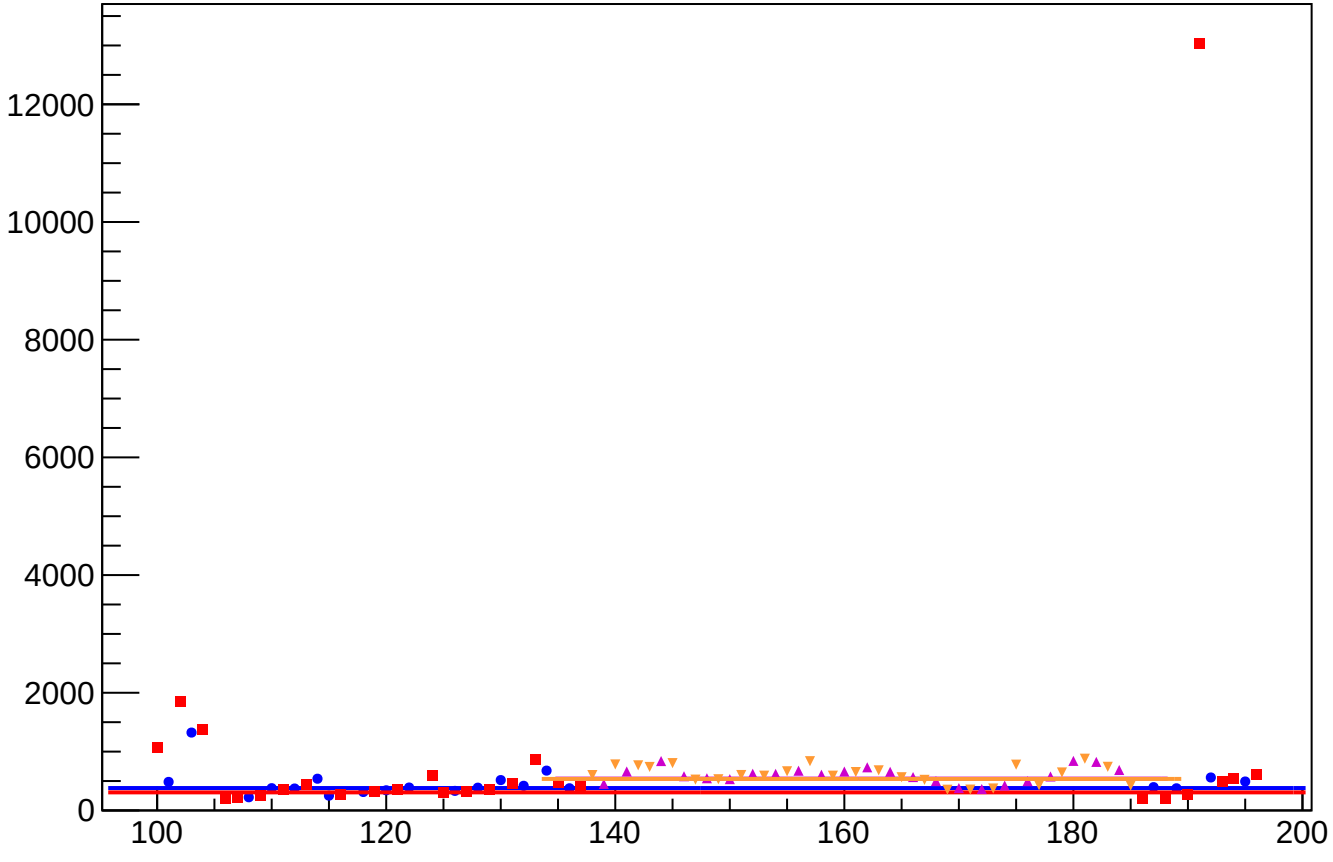
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.016+/-0.061 χ^2/NDF: 103.6/93

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 380.999+/-0.092 χ^2/NDF: 1684808.1/19

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 307.227+/-0.073 χ^2/NDF: 4239485.0/25

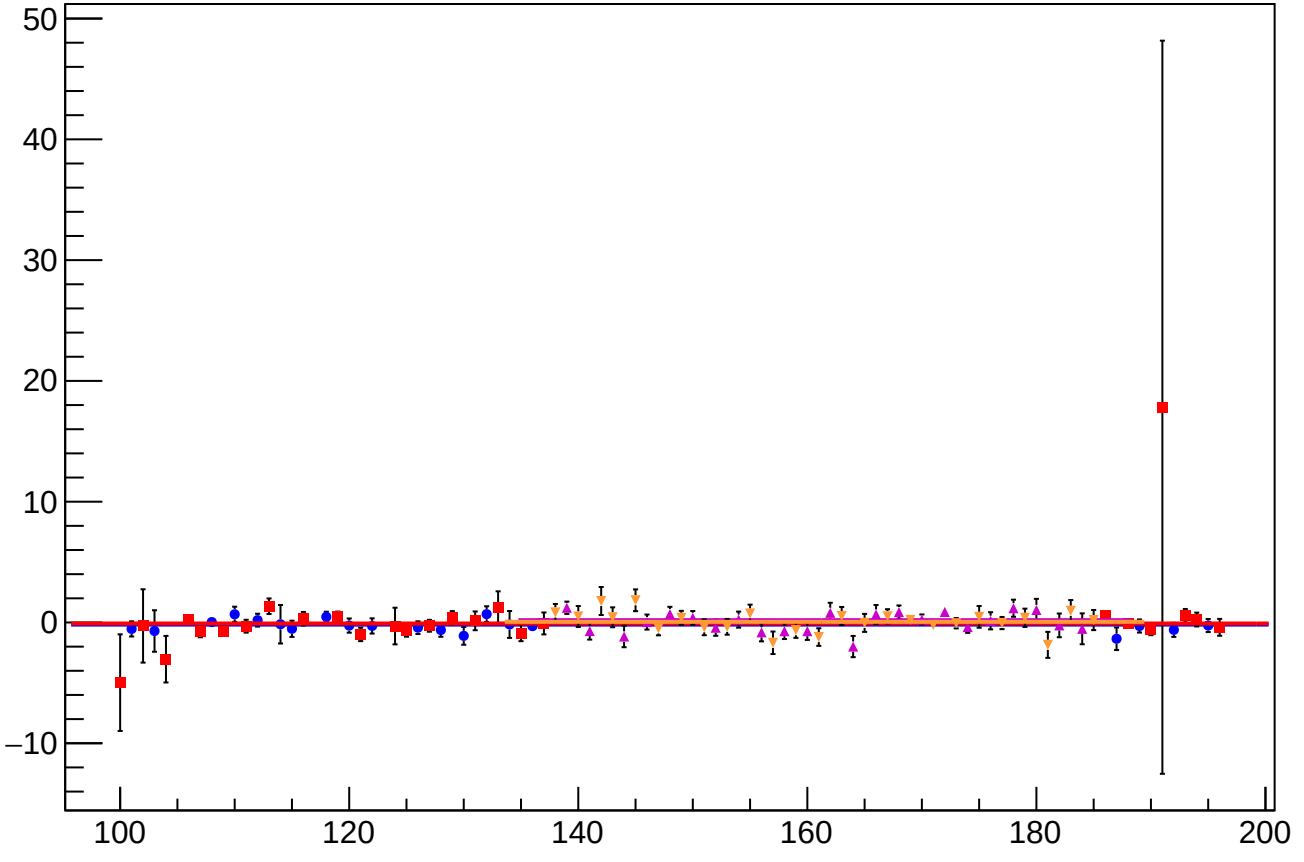
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 459.116+/-0.065 χ^2/NDF: 5854361.1/44

All: 422.934+/-0.043 χ^2/NDF: 16405606.9/93

- sign 394.570+/-0.058 χ^2/NDF: 9998808.5/48

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

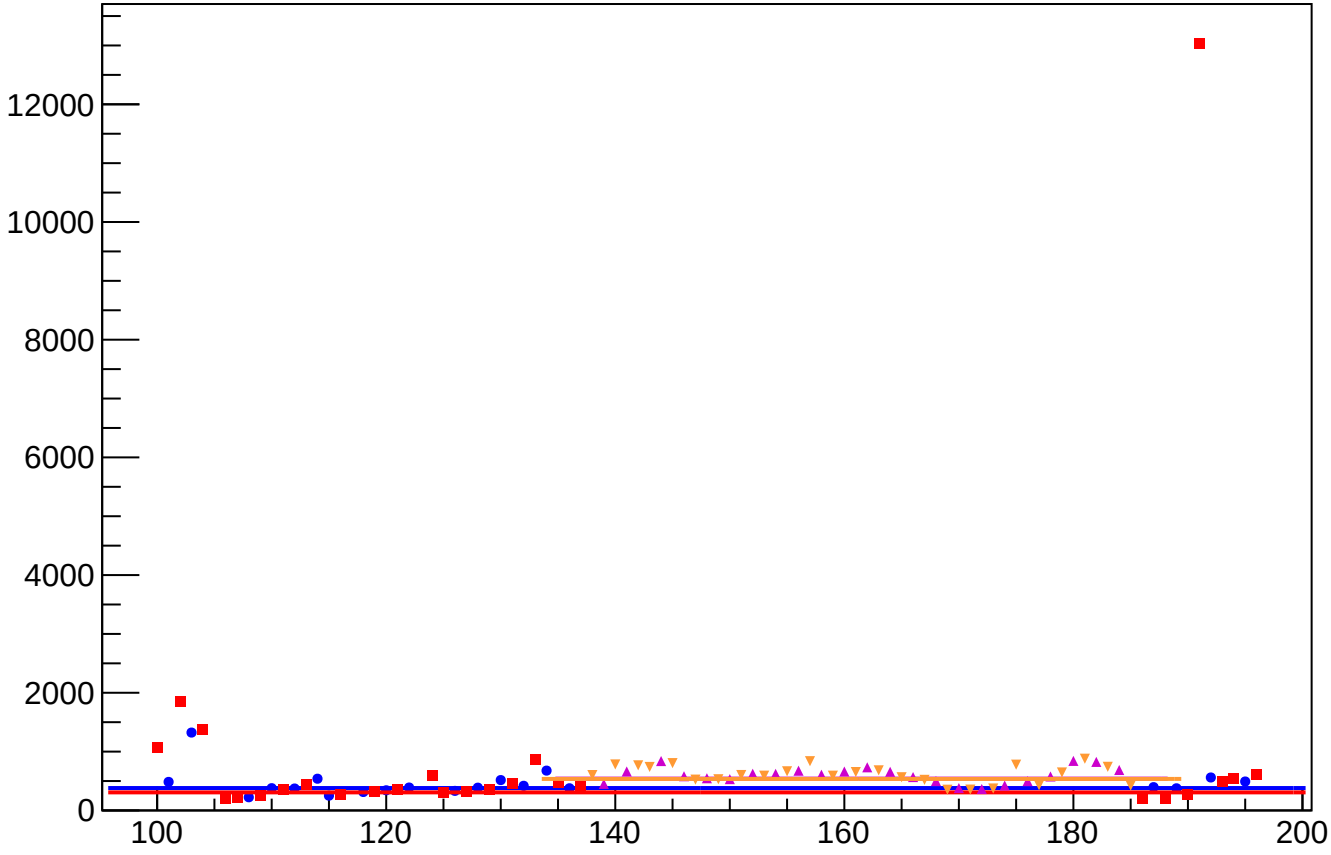
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.016+/-0.061 χ^2/NDF: 103.6/93

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 380.999+/-0.092 χ^2/NDF: 1684808.1/19

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 307.227+/-0.073 χ^2/NDF: 4239485.0/25

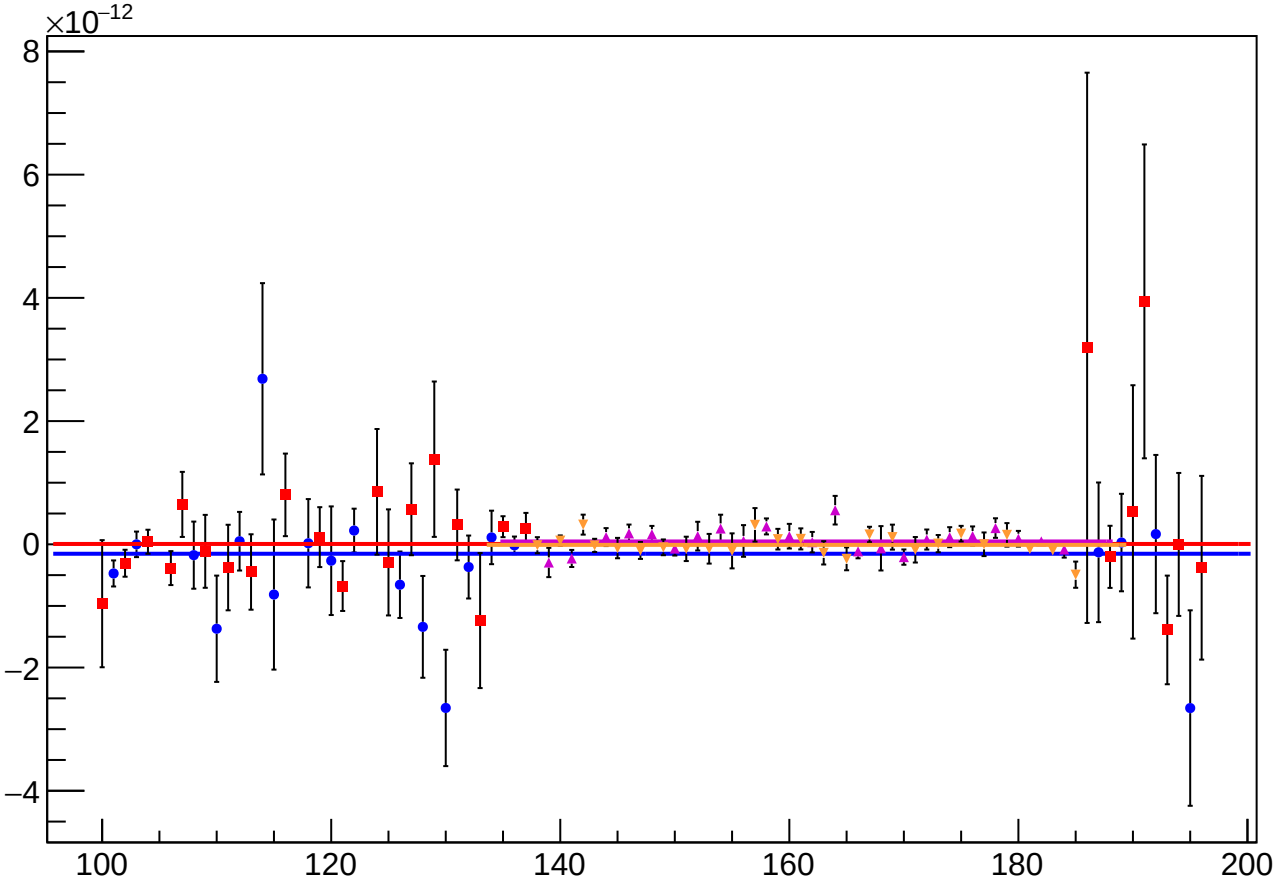
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 459.116+/-0.065 χ^2/NDF: 5854361.1/44

All: 422.934+/-0.043 χ^2/NDF: 16405606.9/93

- 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: 23.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/25

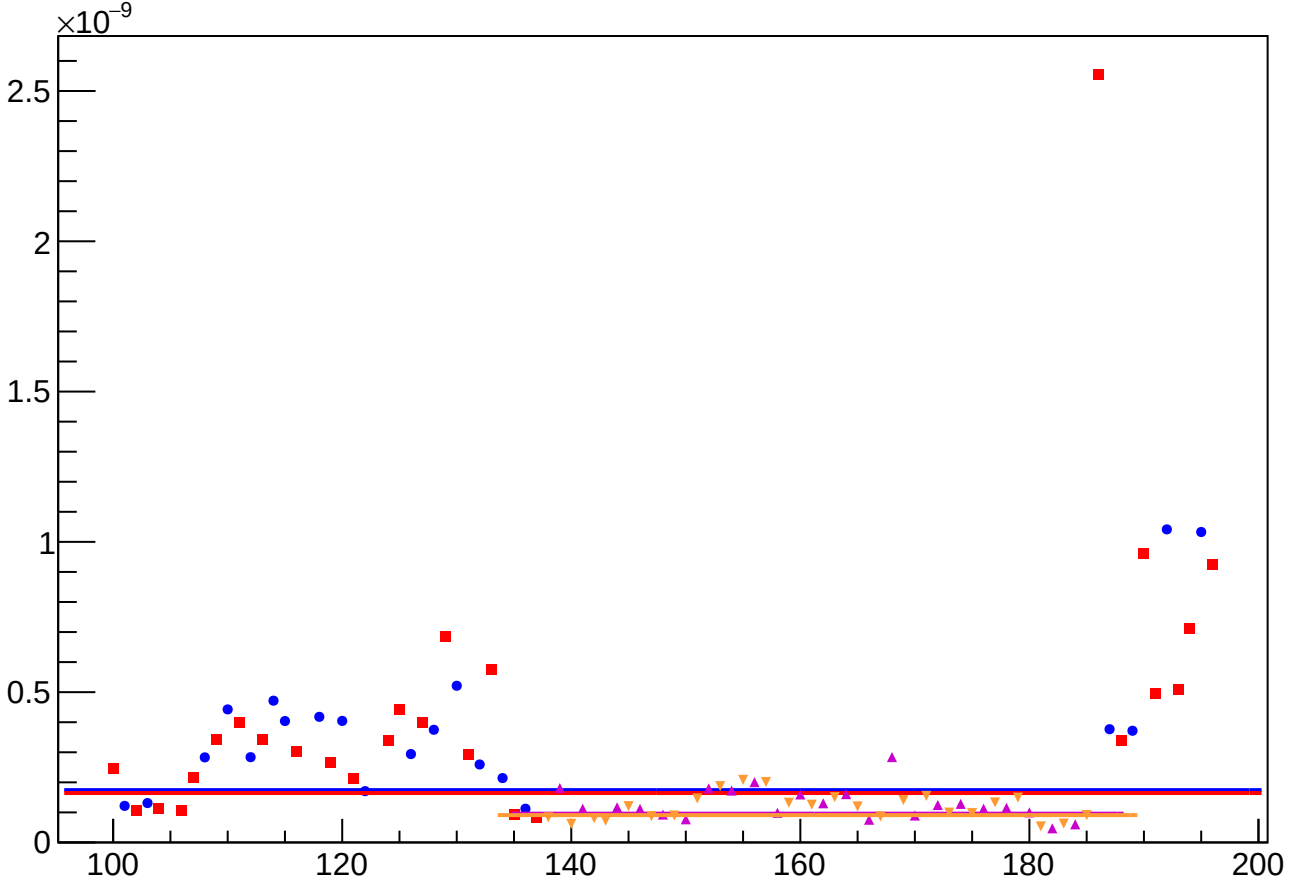
Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/44

All: 0.000+/-0.000 χ^2/NDF: 104.9/93

- sign 0.000+/-0.000 χ^2/NDF: 53.5/48

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3725707.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5330933.9/25

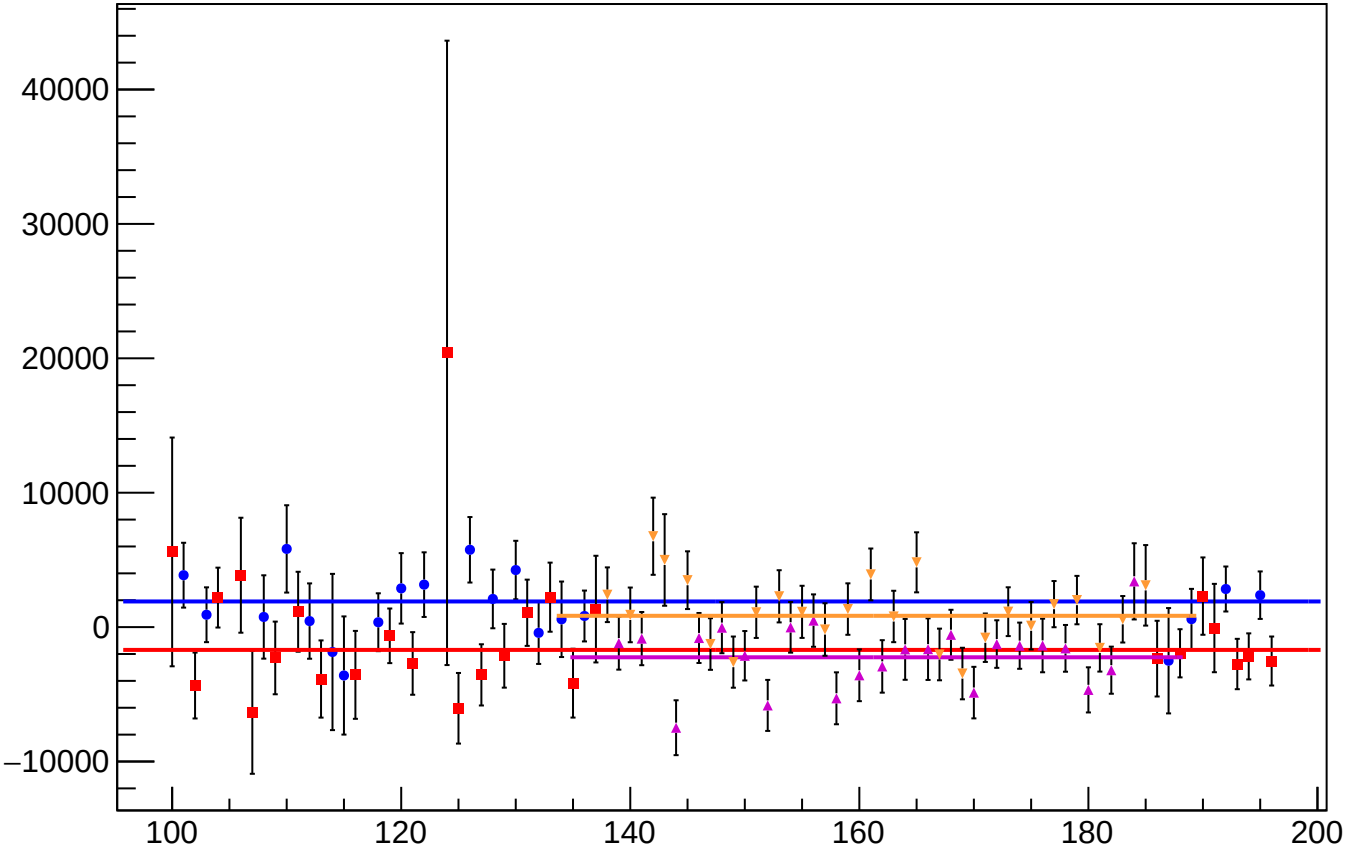
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8781045.4/44

All: 0.000+/-0.000 χ^2/NDF: 19307104.5/93

- sign 0.000+/-0.000 χ^2/NDF: 10493425.1/48

reg_asym_atl_avg_mean vs Slug



Right In: 1908.744+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1696.157+/-499.874 χ^2/NDF: 22.3/25

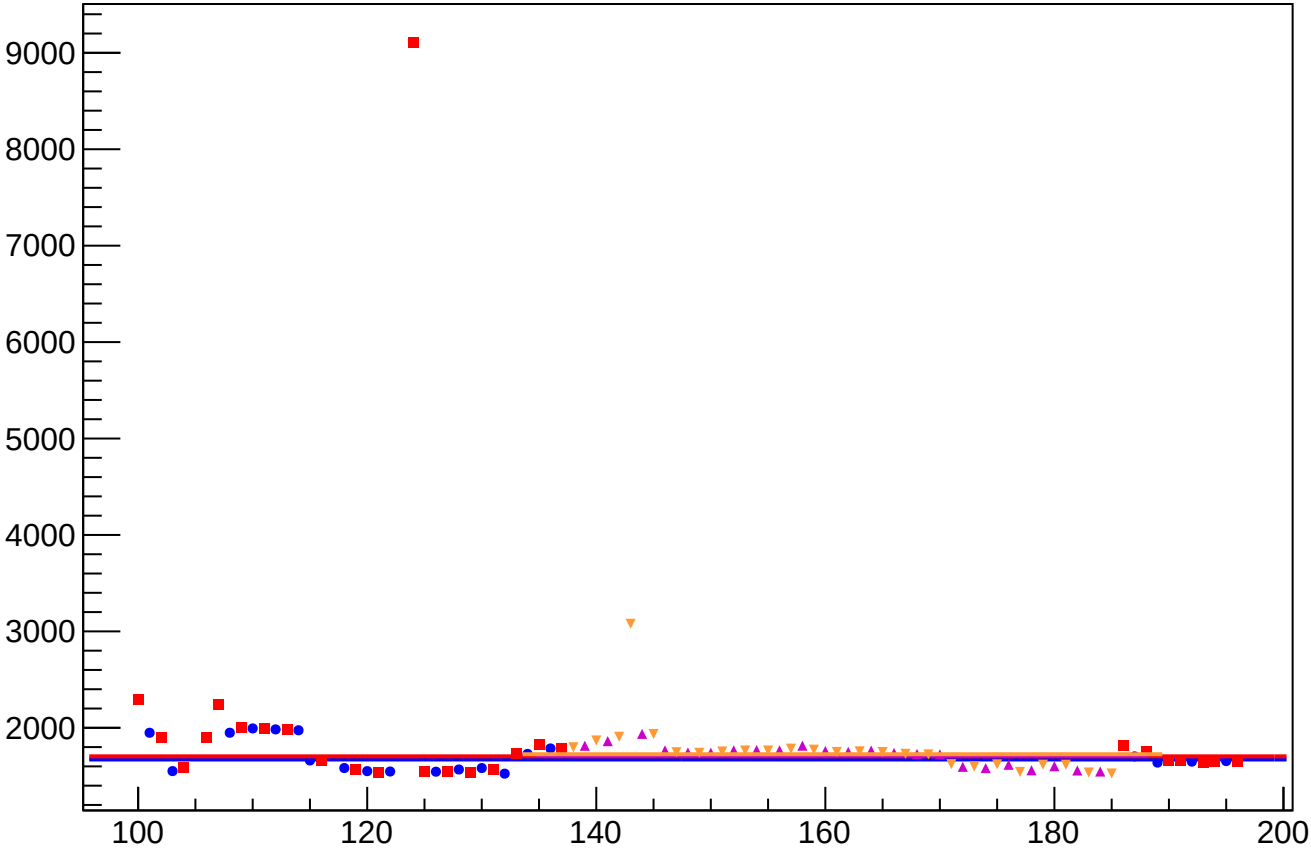
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.176+/-317.760 χ^2/NDF: 45.8/44

All: -433.240+/-222.871 χ^2/NDF: 151.3/93

- sign -2030.285+/-312.675 χ^2/NDF: 52.4/48

reg_asym_atl_avg_rms vs Slug



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

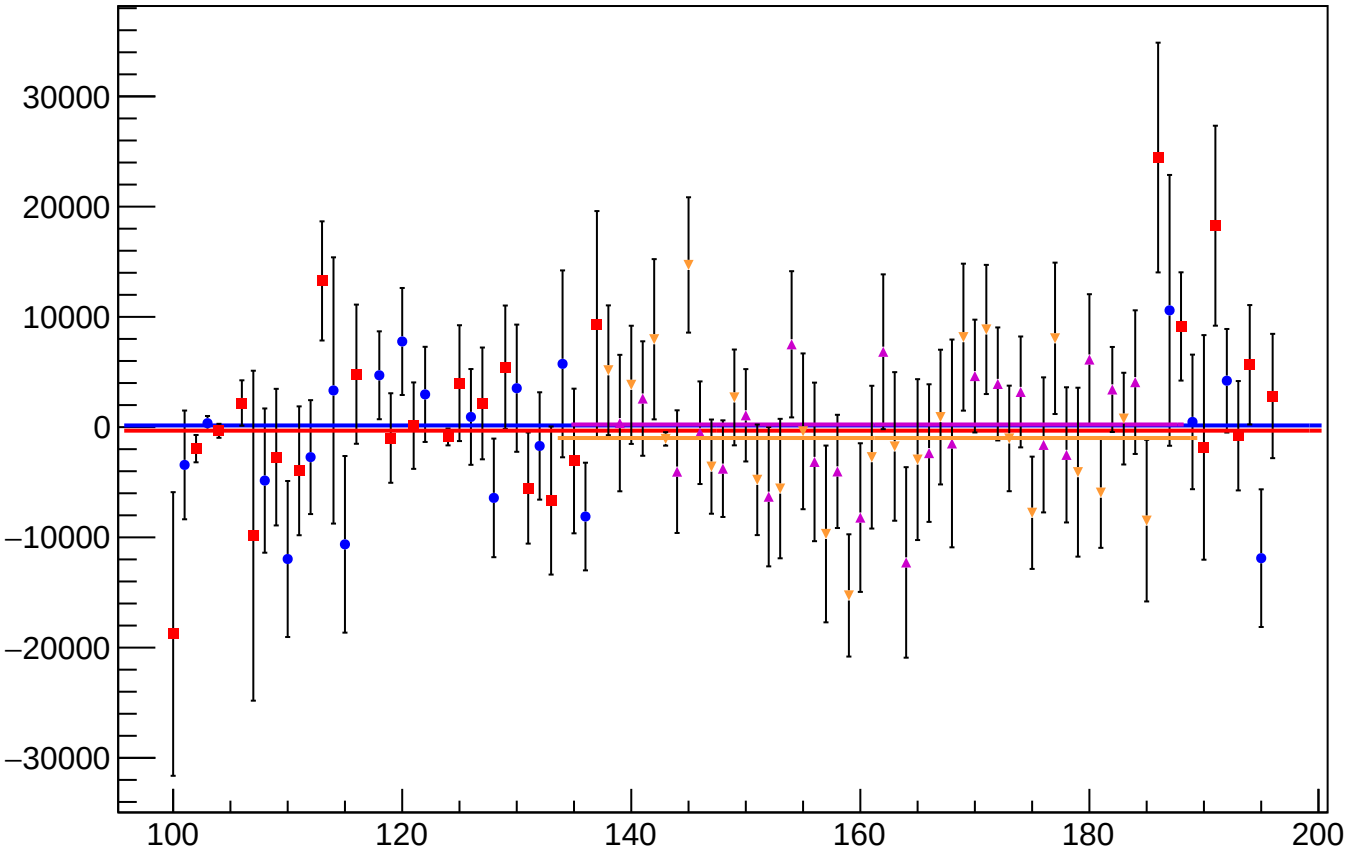
Right Out: 1704.075+/-0.352 χ^2/NDF: 395878.7/25

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.2/44

All: 1708.294+/-0.158 χ^2/NDF: 1136734.7/93

- sign 1709.590+/-0.221 χ^2/NDF: 525572.5/48



Right In: 151.815+/-581.081 χ^2/NDF: 21.0/19

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -319.829+/-418.097 χ^2/NDF: 33.9/25

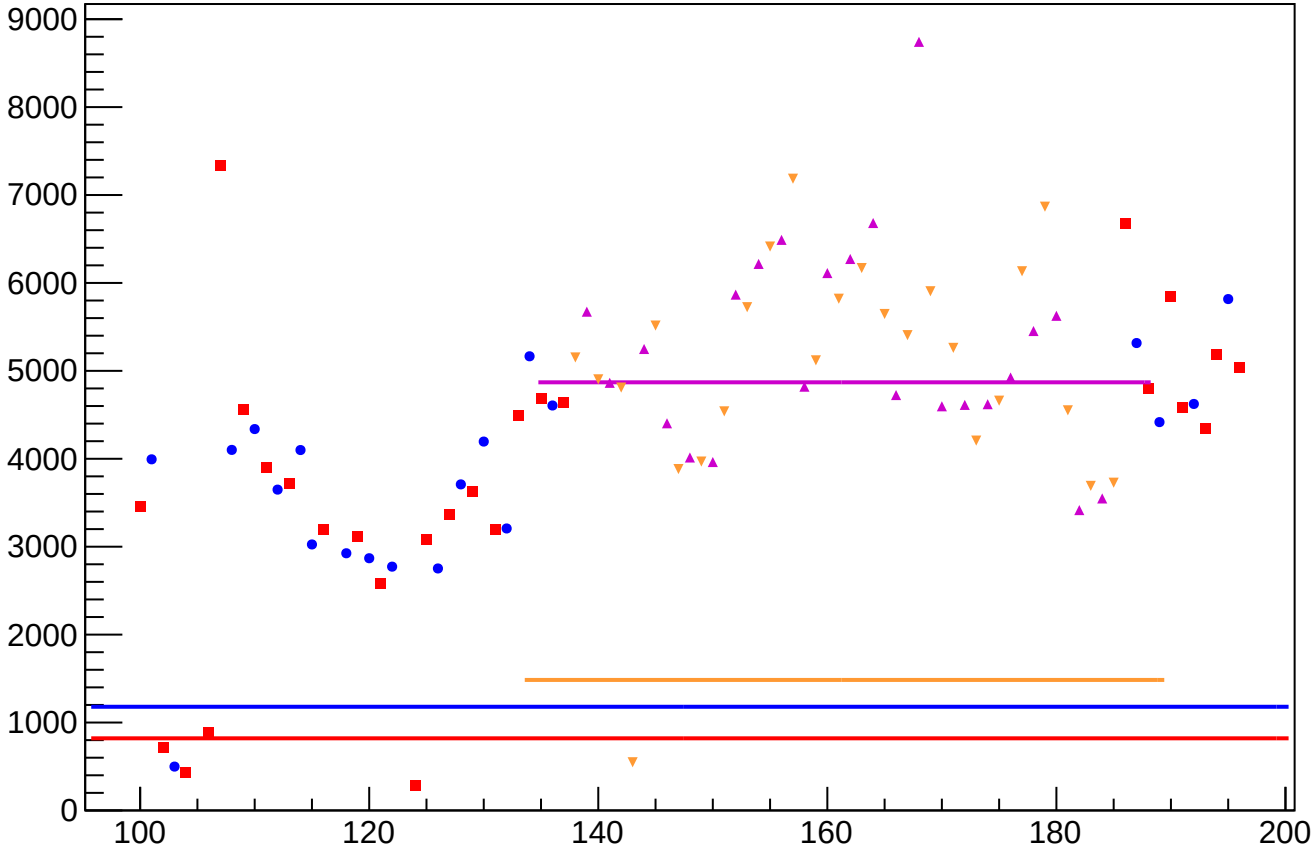
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -458.290+/-396.055 χ^2/NDF: 53.9/44

All: -356.499+/-279.154 χ^2/NDF: 101.7/93

- sign -256.004+/-393.524 χ^2/NDF: 47.6/48

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1179.402+/-0.411 χ^2/NDF: 11186089.2/19

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 820.457+/-0.296 χ^2/NDF: 15031117.0/25

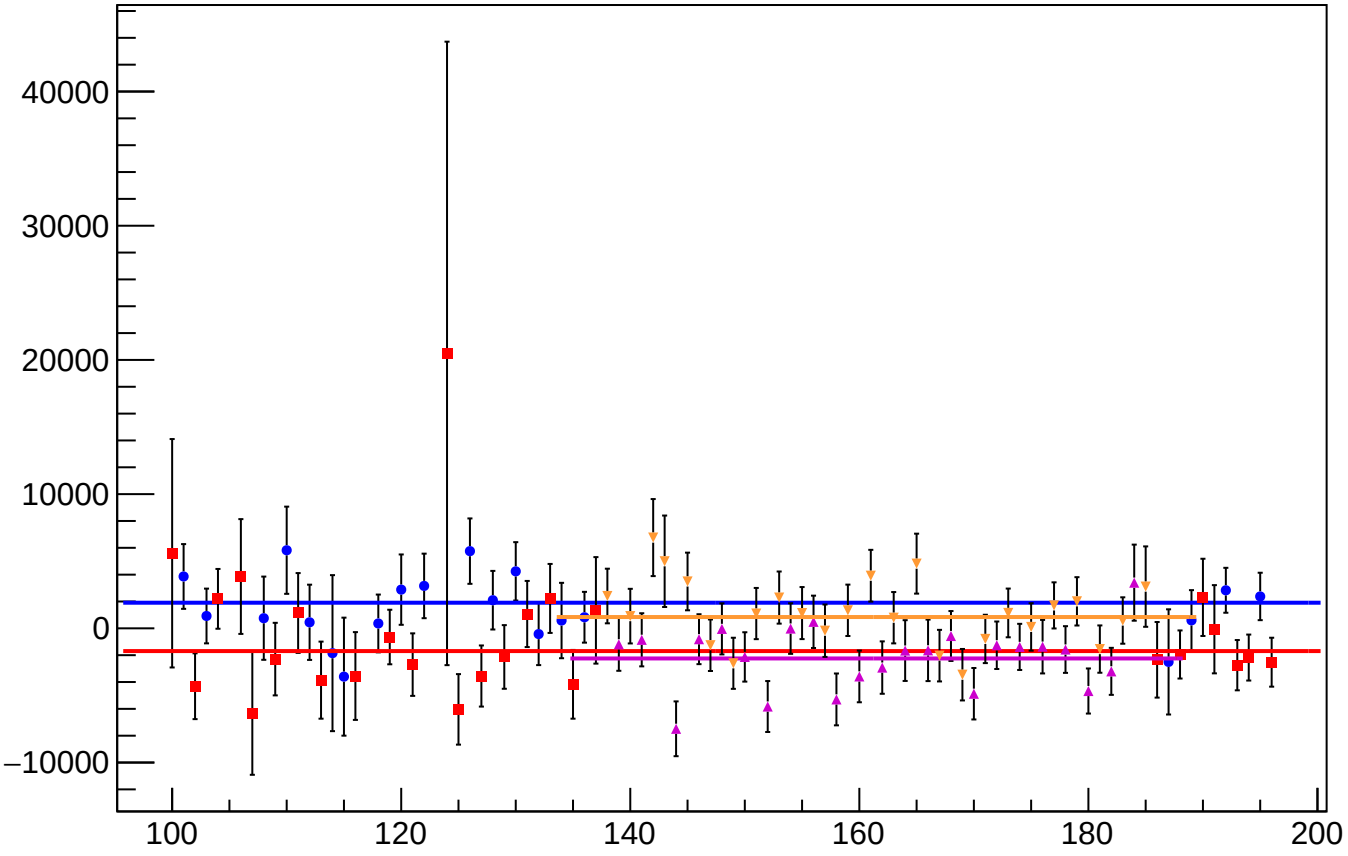
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1342.799+/-0.280 χ^2/NDF: 34706380.2/44

All: 1312.428+/-0.197 χ^2/NDF: 72638419.9/9

- sign 1282.445+/-0.278 χ^2/NDF: 37908668.6/48

cor_asym_atl_avg_mean vs Slug



Right In: 1908.818+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1694.669+/-499.877 χ^2/NDF: 22.3/25

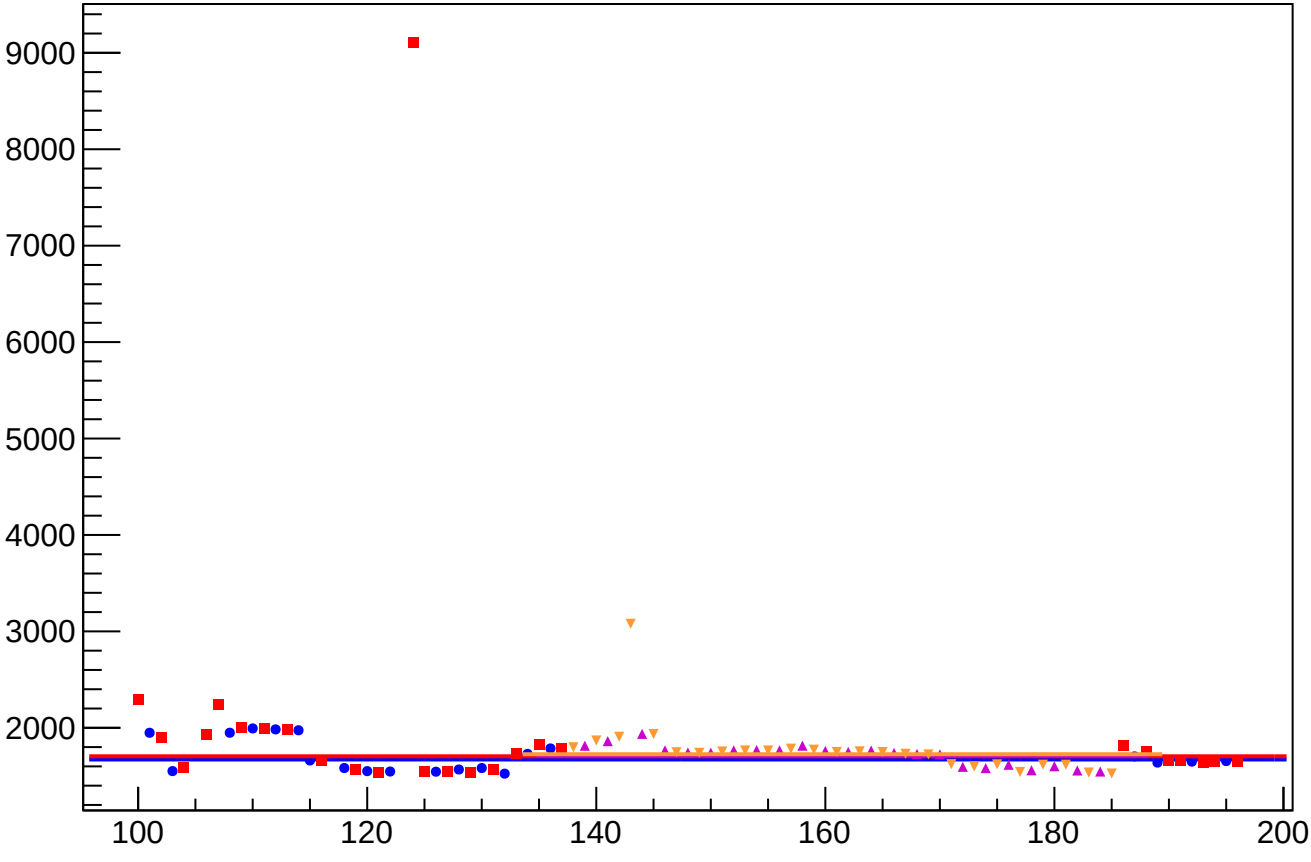
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.197+/-317.760 χ^2/NDF: 45.8/44

All: -432.937+/-222.871 χ^2/NDF: 151.3/93

- sign -2029.716+/-312.676 χ^2/NDF: 52.4/48

cor_asym_atl_avg_rms vs Slug



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

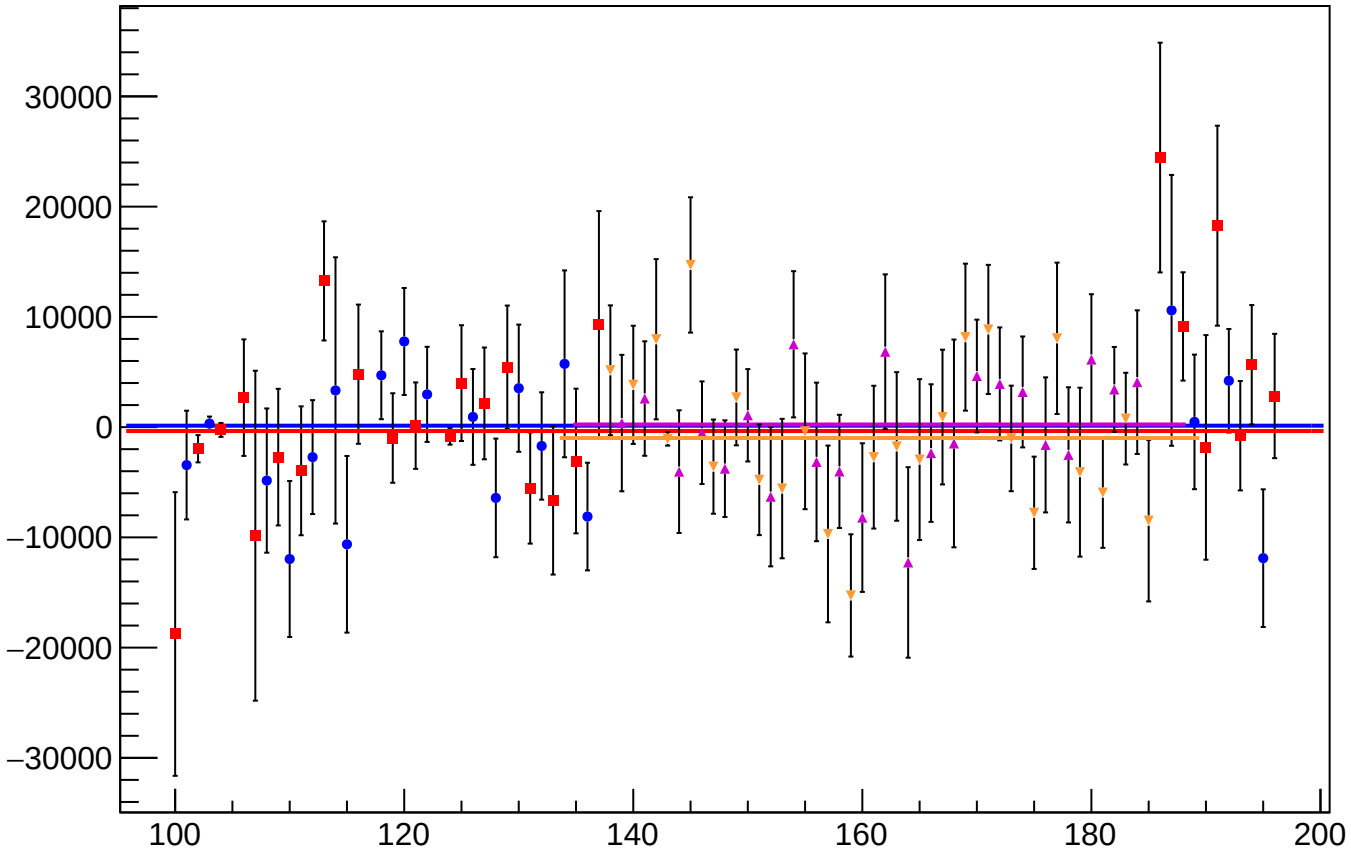
Right Out: 1704.574+/-0.353 χ^2/NDF: 397738.3/25

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.3/44

All: 1708.394+/-0.158 χ^2/NDF: 1138562.1/93

- sign 1709.787+/-0.221 χ^2/NDF: 527388.9/48



Right In: 131.473+/-569.460 χ^2/NDF: 21.0/19

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -353.511+/-423.661 χ^2/NDF: 32.6/25

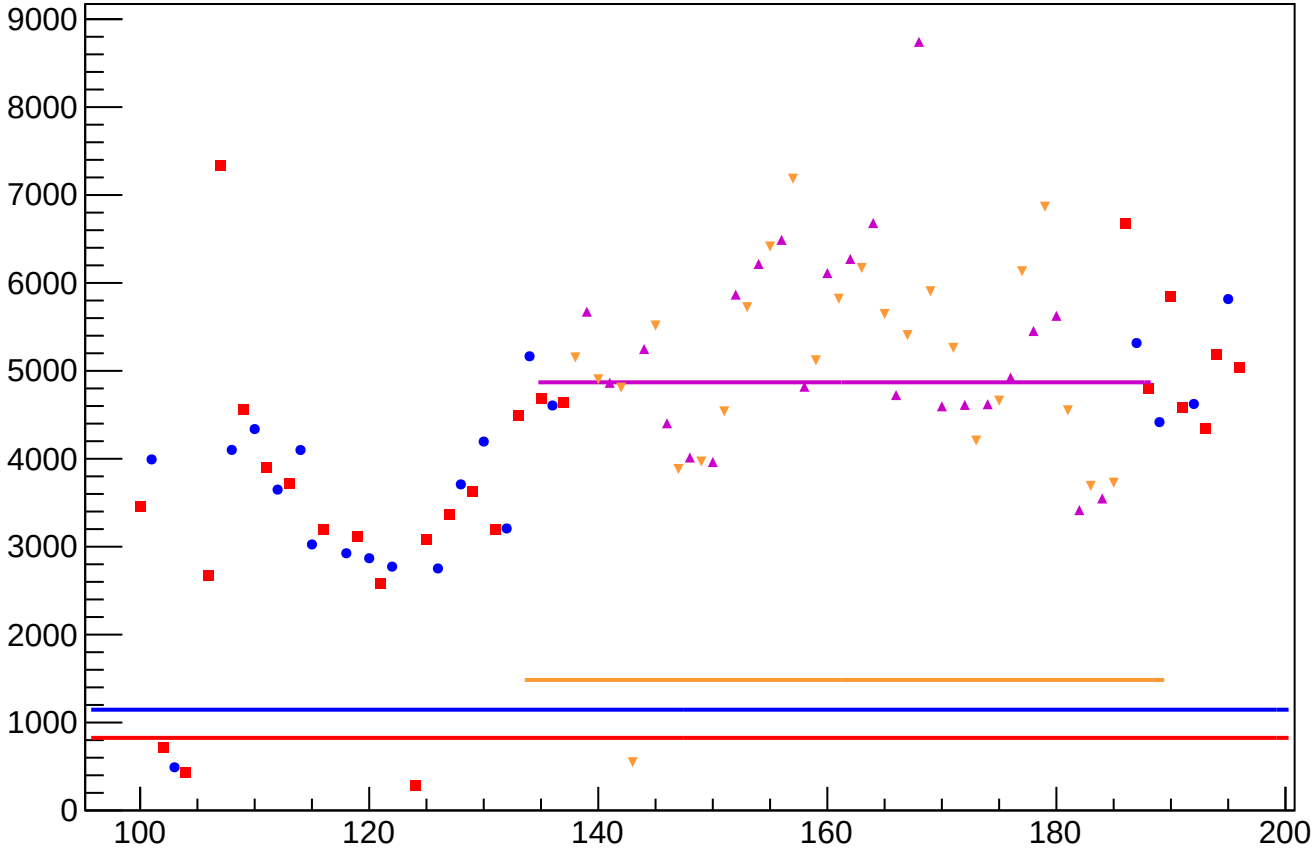
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -456.323+/-392.309 χ^2/NDF: 53.8/44

All: -371.561+/-279.447 χ^2/NDF: 100.3/93

- sign -284.255+/-398.153 χ^2/NDF: 46.4/48

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1145.966+/-0.403 χ^2/NDF: 11347003.0/19

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 825.693+/-0.300 χ^2/NDF: 15299433.9/25

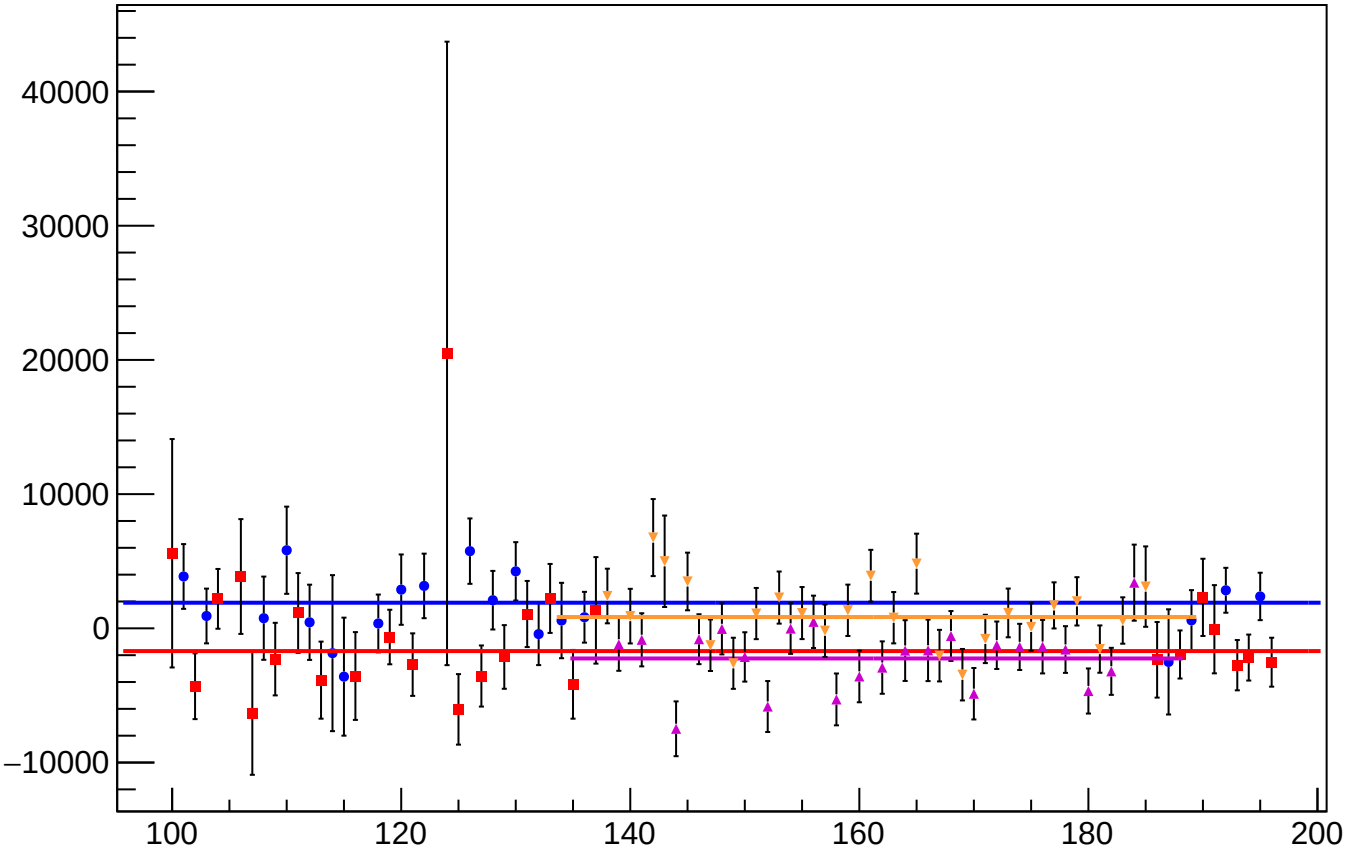
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1323.823+/-0.277 χ^2/NDF: 34943900.7/44

All: 1311.103+/-0.198 χ^2/NDF: 73004768.4/9

- sign 1298.002+/-0.282 χ^2/NDF: 38056599.6/48

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1908.818+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1694.669+/-499.877 χ^2/NDF: 22.3/25

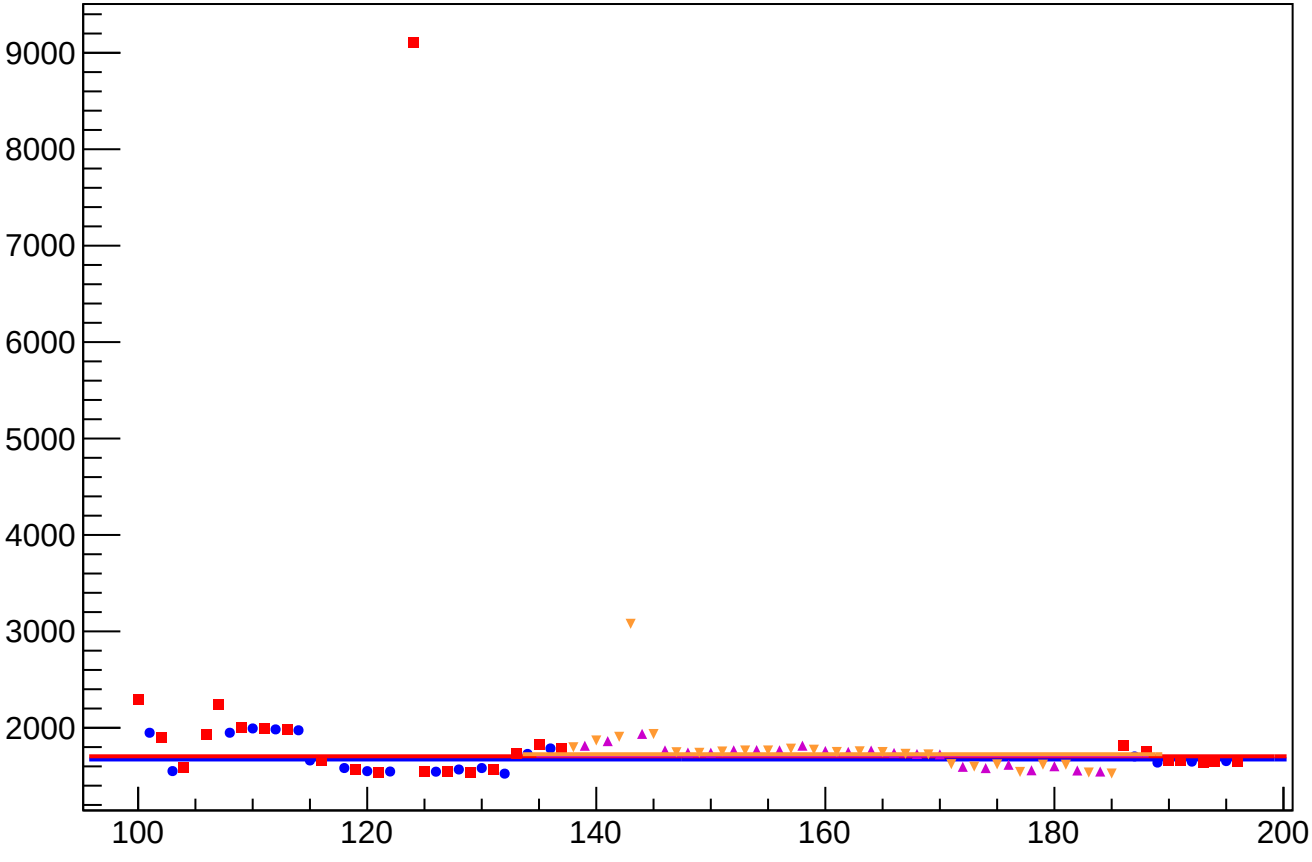
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.197+/-317.760 χ^2/NDF: 45.8/44

All: -432.937+/-222.871 χ^2/NDF: 151.3/93

- sign -2029.716+/-312.676 χ^2/NDF: 52.4/48

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1704.574+/-0.353 χ^2/NDF: 397738.3/25

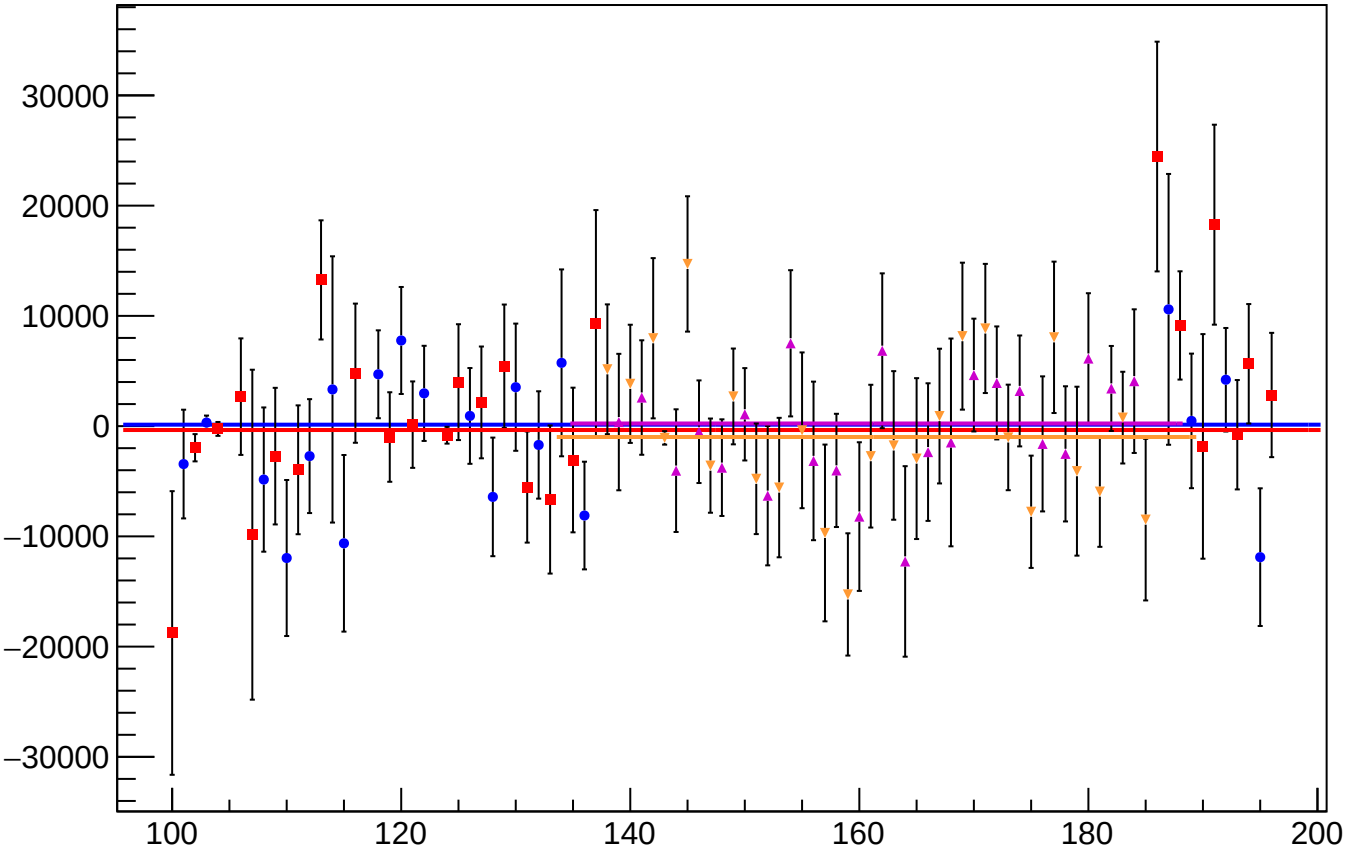
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.3/44

All: 1708.394+/-0.158 χ^2/NDF: 1138562.1/93

- sign 1709.787+/-0.221 χ^2/NDF: 527388.9/48

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 131.473+/-569.460 χ^2/NDF: 21.0/19

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -353.511+/-423.661 χ^2/NDF: 32.6/25

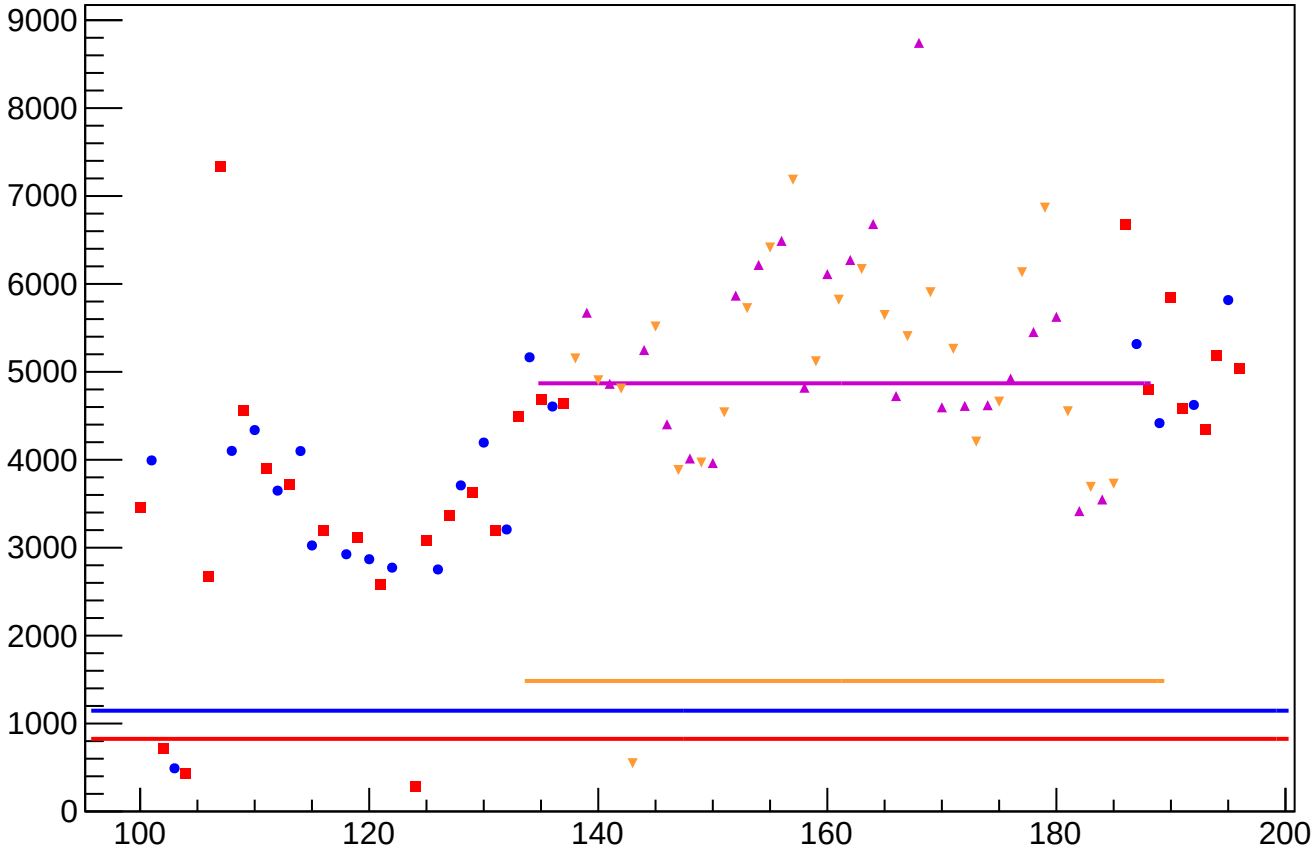
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -456.323+/-392.309 χ^2/NDF: 53.8/44

All: -371.561+/-279.447 χ^2/NDF: 100.3/93

- sign -284.255+/-398.153 χ^2/NDF: 46.4/48

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1145.966+/-0.403 χ^2/NDF: 11347003.0/19

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 825.693+/-0.300 χ^2/NDF: 15299433.9/25

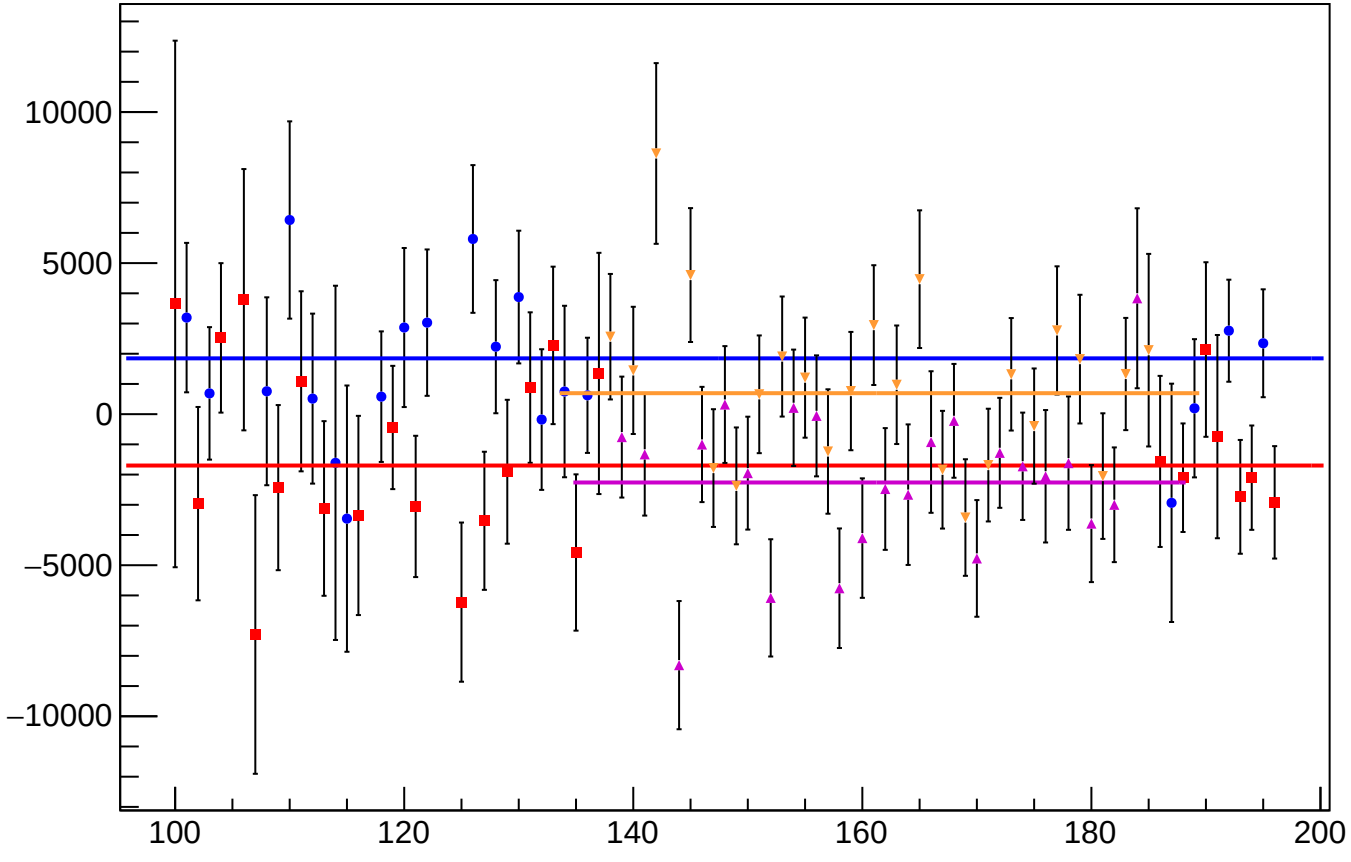
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1323.823+/-0.277 χ^2/NDF: 34943900.7/44

All: 1311.103+/-0.198 χ^2/NDF: 73004768.4/9

- sign 1298.002+/-0.282 χ^2/NDF: 38056599.6/48

dit_asym_atl_avg_mean vs Slug



Right In: 1847.177+/-543.256 χ^2/NDF: 12.6/19

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1700.453+/-510.500 χ^2/NDF: 20.2/24

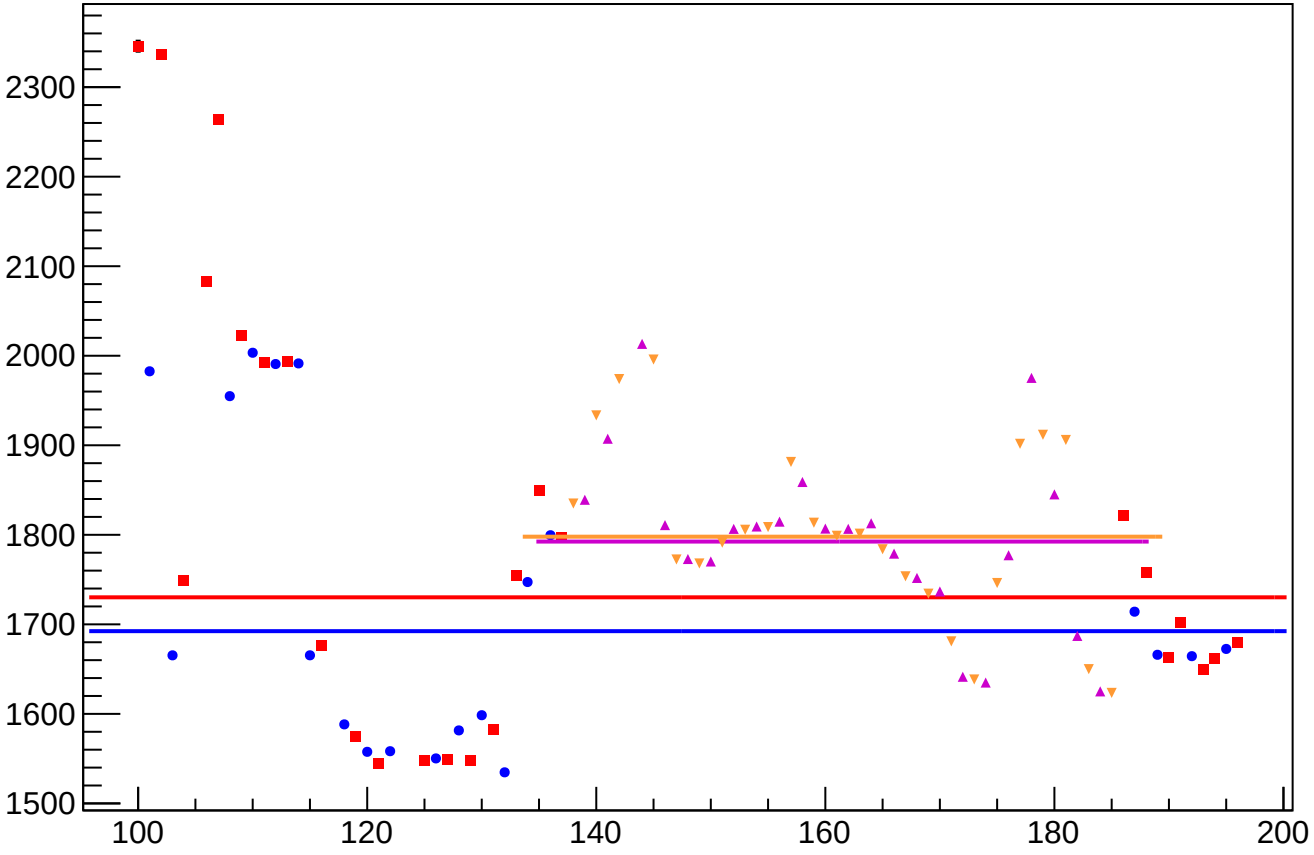
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1123.098+/-331.309 χ^2/NDF: 47.6/43

All: -491.739+/-231.629 χ^2/NDF: 145.4/91

- sign -2035.722+/-323.960 χ^2/NDF: 51.3/47

dit_asym_atl_avg_rms vs Slug



Right In: 1692.393+/-0.384 χ^2/NDF: 136853.3/19

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

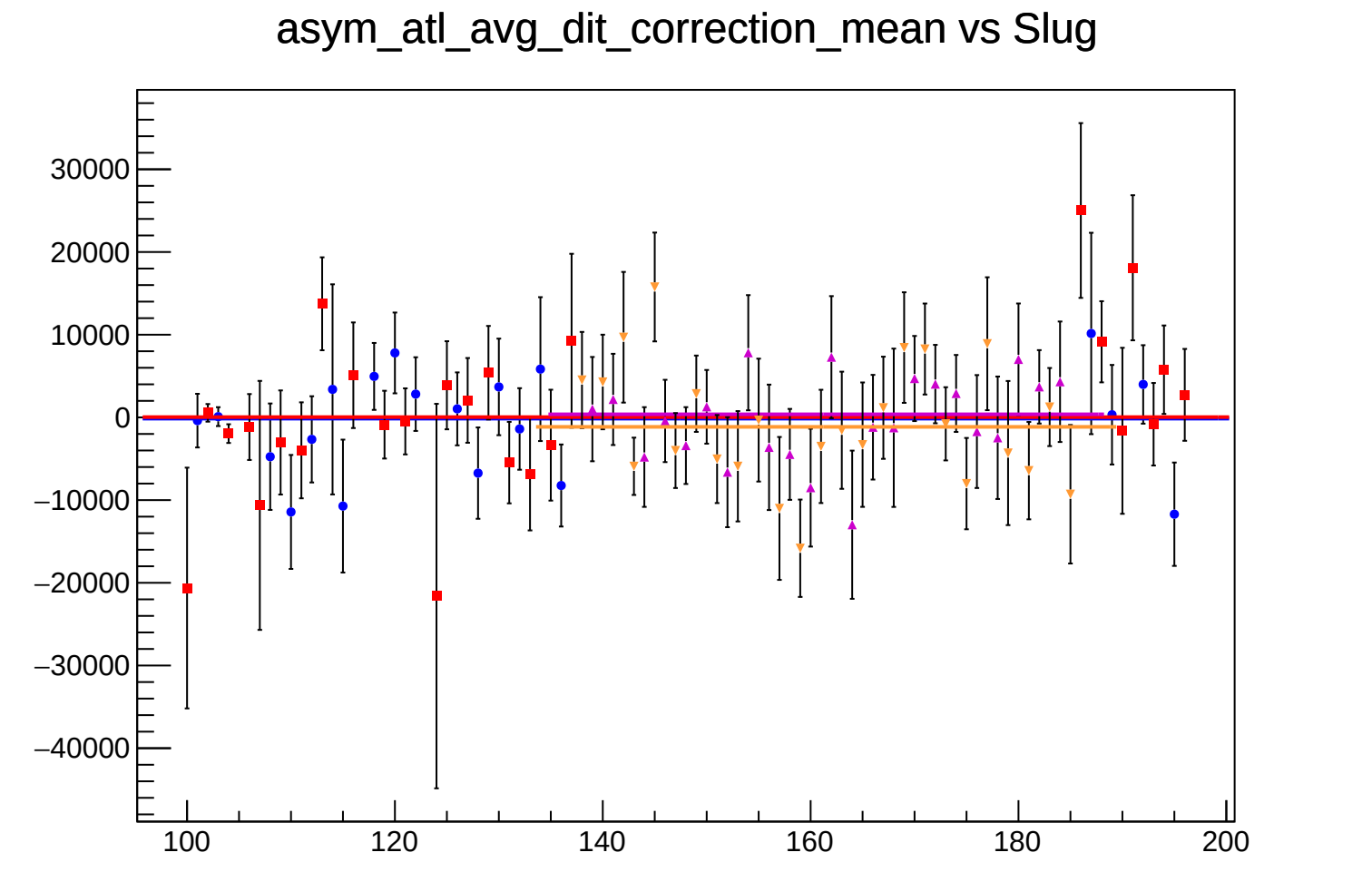
Right Out: 1730.184+/-0.360 χ^2/NDF: 262284.1/24

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1758.665+/-0.234 χ^2/NDF: 282243.2/43

All: 1763.099+/-0.164 χ^2/NDF: 655903.5/91

- sign 1767.334+/-0.229 χ^2/NDF: 372959.9/47



Right In: -147.839+/-835.439 χ^2/NDF: 20.0/19

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 35.715+/-652.469 χ^2/NDF: 33.7/25

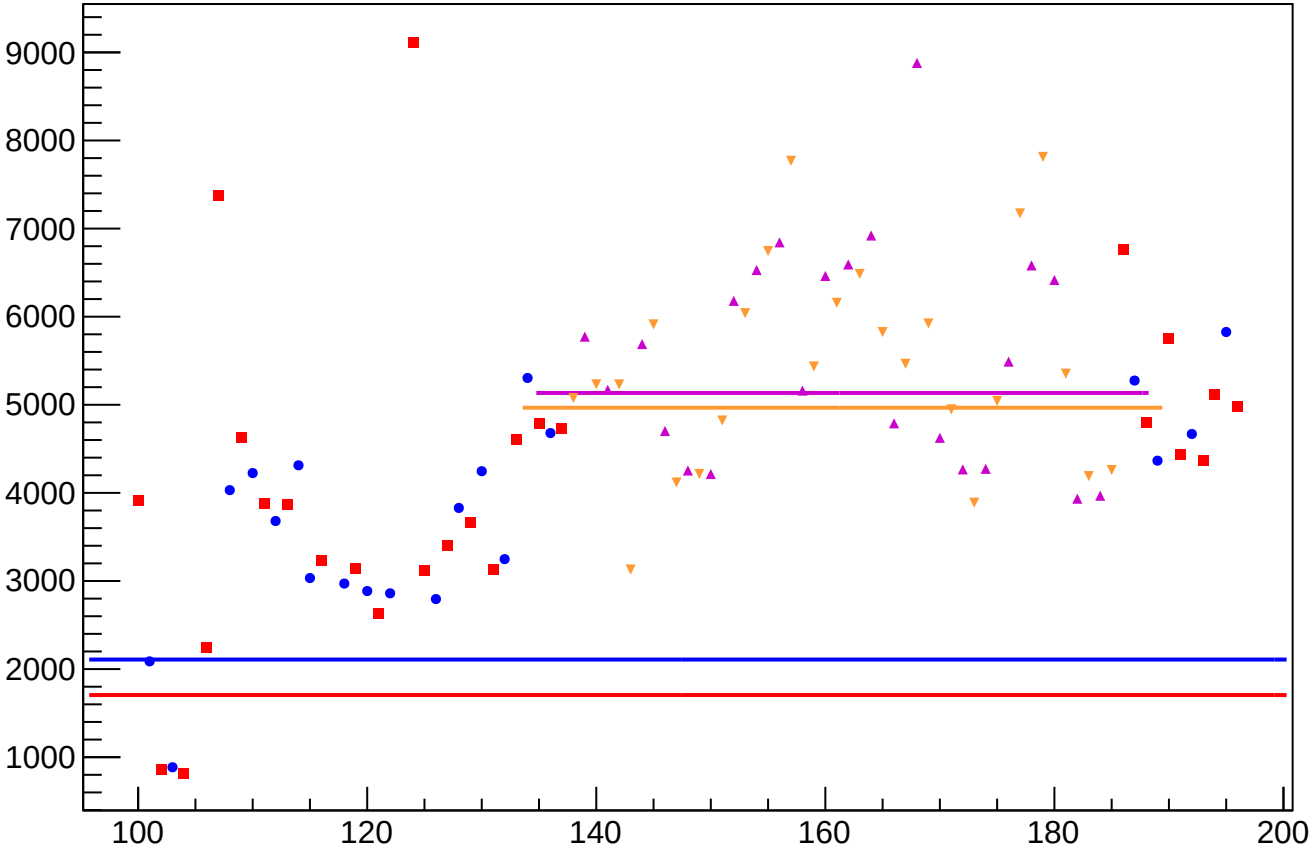
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -486.490+/-678.808 χ^2/NDF: 53.0/44

All: -139.640+/-439.307 χ^2/NDF: 100.6/93

- sign 110.328+/-576.259 χ^2/NDF: 47.1/48

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2108.302+/-0.591 χ^2/NDF: 6261705.8/19

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1705.455+/-0.461 χ^2/NDF: 10126404.0/25

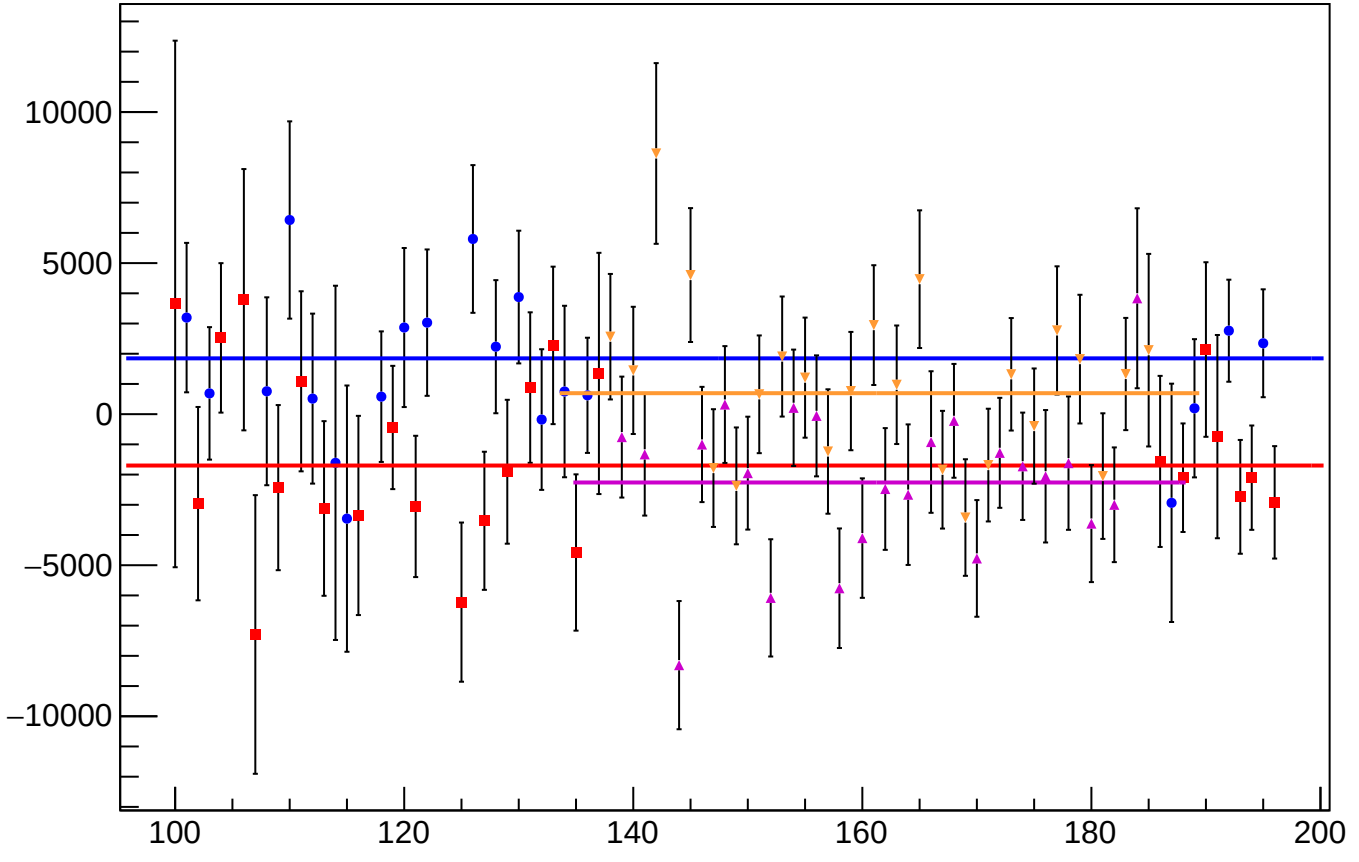
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3079.696+/-0.480 χ^2/NDF: 16136582.2/44

All: 2719.374+/-0.311 χ^2/NDF: 40870043.3/9

- sign 2459.697+/-0.407 χ^2/NDF: 23763802.9/48

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1847.173+/-543.256 χ^2/NDF: 12.6/19

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1700.451+/-510.500 χ^2/NDF: 20.2/24

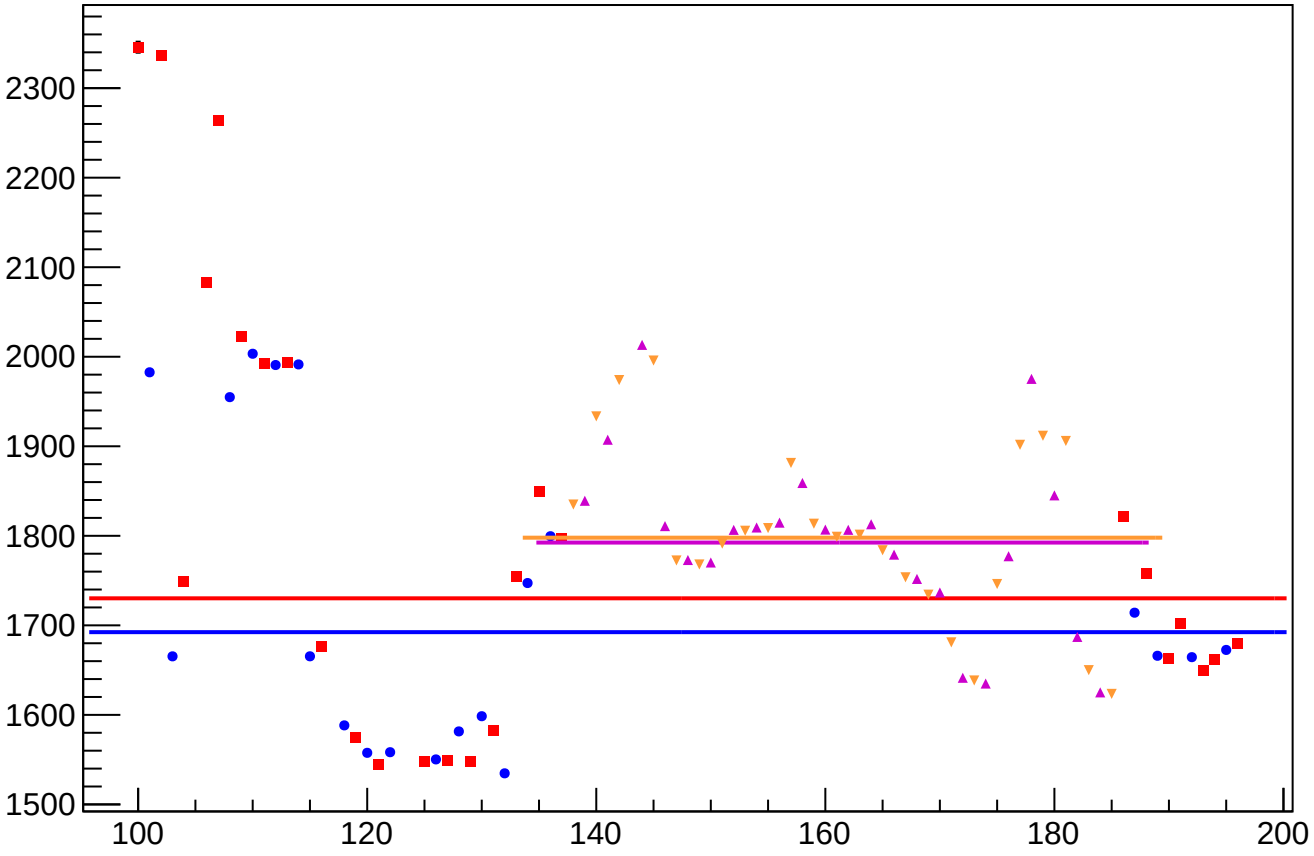
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1123.094+/-331.310 χ^2/NDF: 47.6/43

All: -491.740+/-231.629 χ^2/NDF: 145.4/91

- sign -2035.721+/-323.960 χ^2/NDF: 51.3/47

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1692.393+/-0.384 χ^2/NDF: 136853.5/19

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

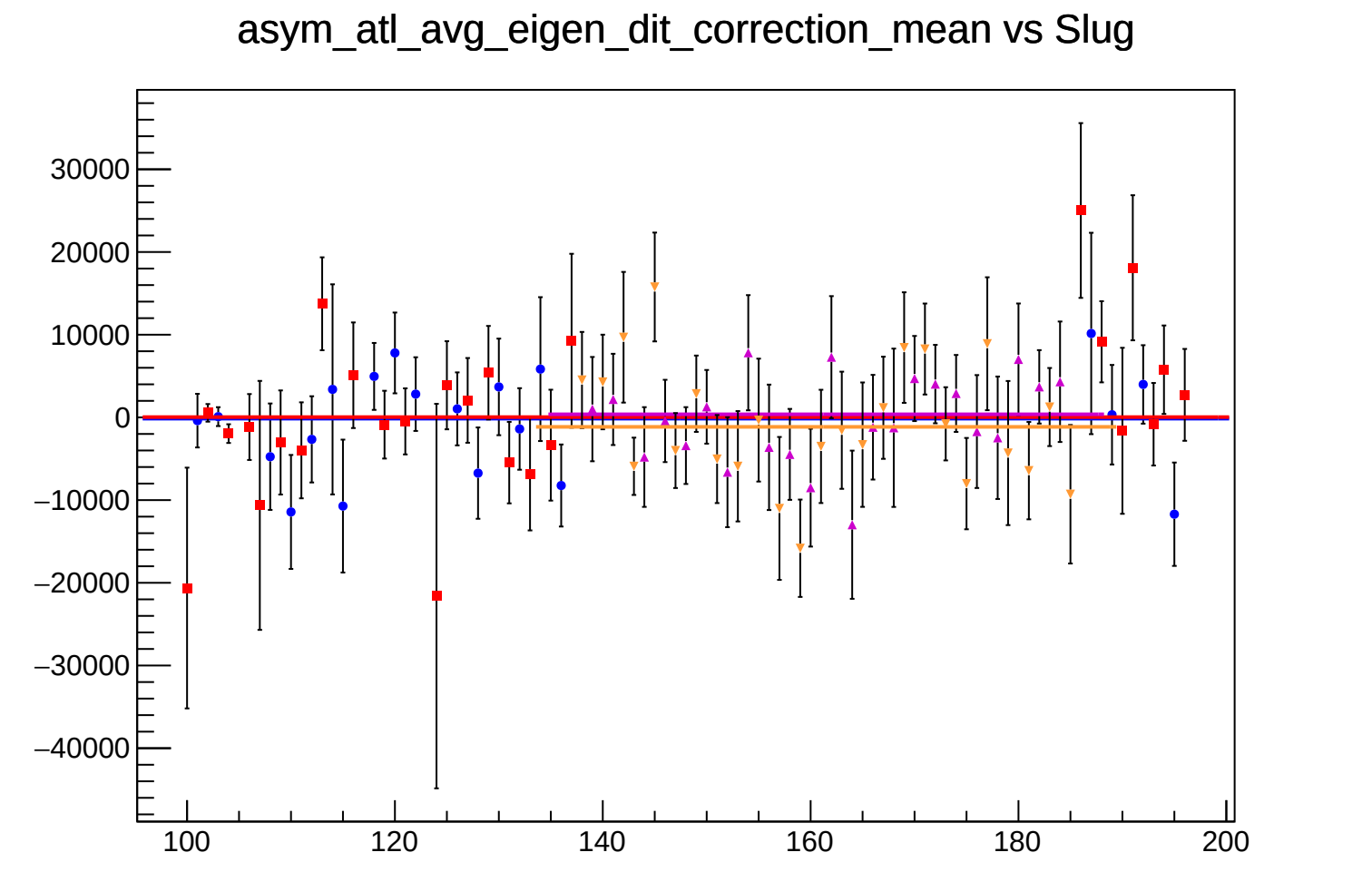
Right Out: 1730.184+/-0.360 χ^2/NDF: 262283.4/24

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1758.666+/-0.234 χ^2/NDF: 282248.2/43

All: 1763.100+/-0.164 χ^2/NDF: 655912.0/91

- sign 1767.335+/-0.229 χ^2/NDF: 372963.3/47



Right In: -147.834+/-835.434 χ^2/NDF: 20.0/19

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 35.709+/-652.464 χ^2/NDF: 33.7/25

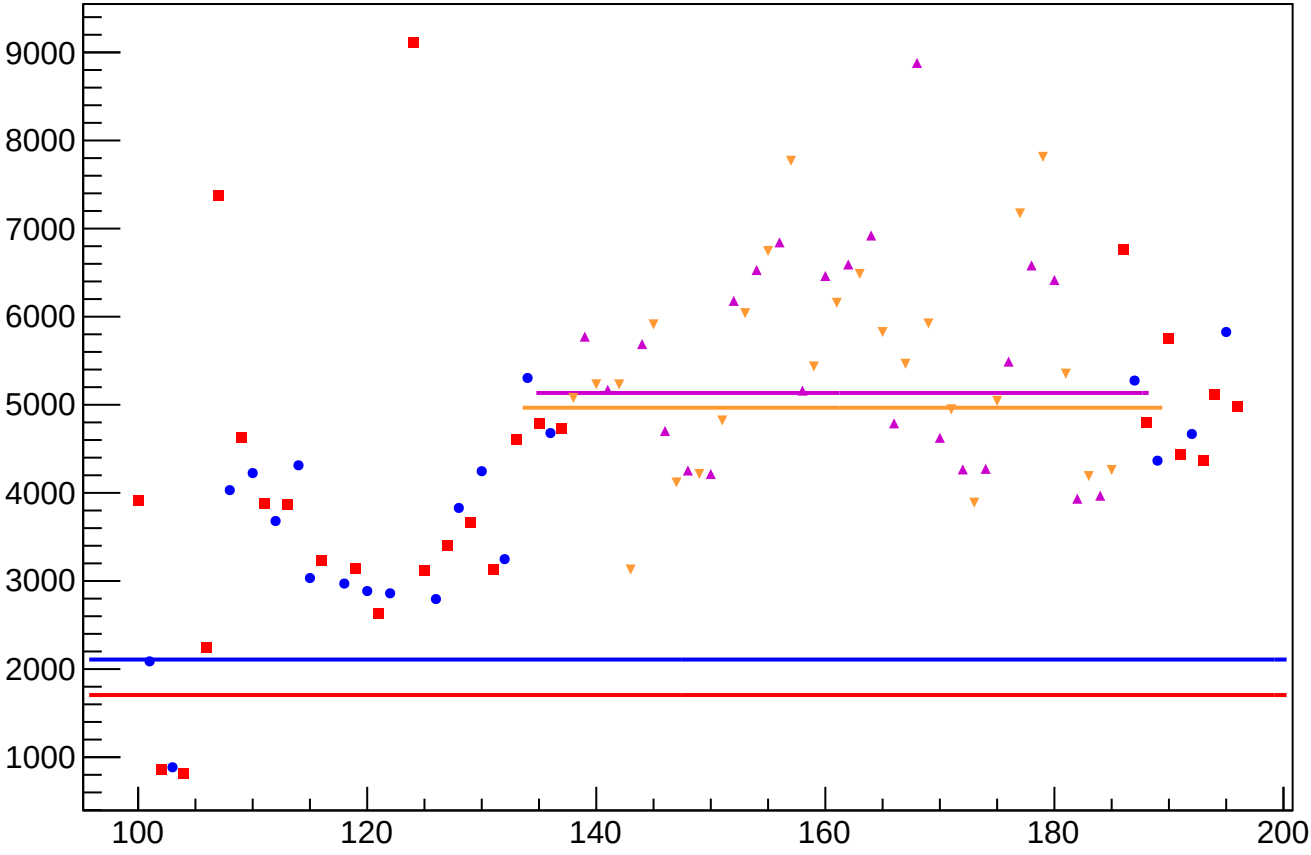
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -486.485+/-678.805 χ^2/NDF: 53.0/44

All: -139.640+/-439.305 χ^2/NDF: 100.6/93

\- sign 110.323+/-576.257 χ^2/NDF: 47.1/48

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2108.284+/-0.591 χ^2/NDF: 6261769.2/19

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1705.438+/-0.461 χ^2/NDF: 10126479.6/25

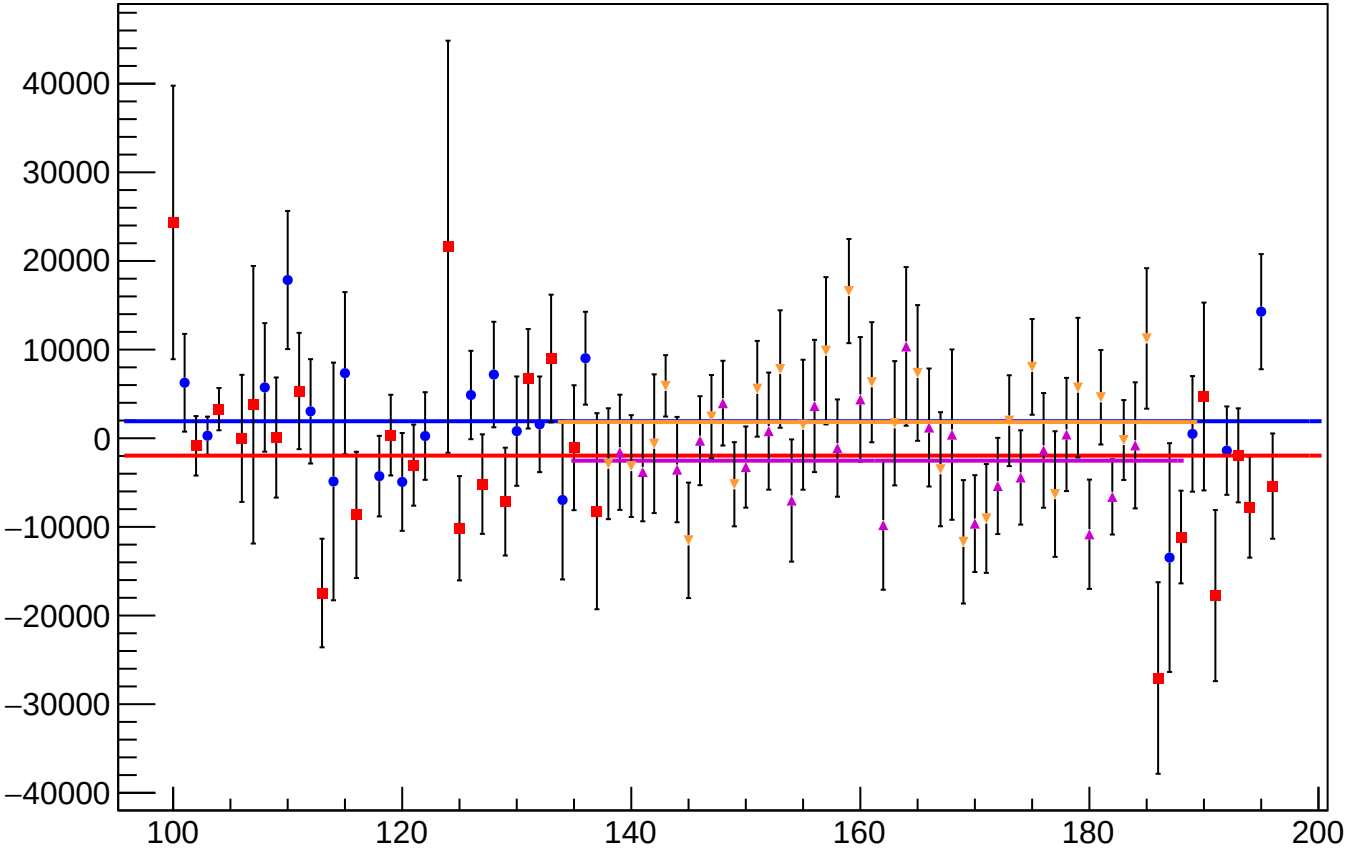
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3079.677+/-0.480 χ^2/NDF: 16136808.6/44

All: 2719.354+/-0.311 χ^2/NDF: 40870540.3/9

- sign 2459.676+/-0.407 χ^2/NDF: 23764060.1/48

asym_atl_avg_mean vs Slug



Right In: 1920.068+/-1175.176 χ^2/NDF: 19.3/19

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1957.017+/-1112.259 χ^2/NDF: 39.0/25

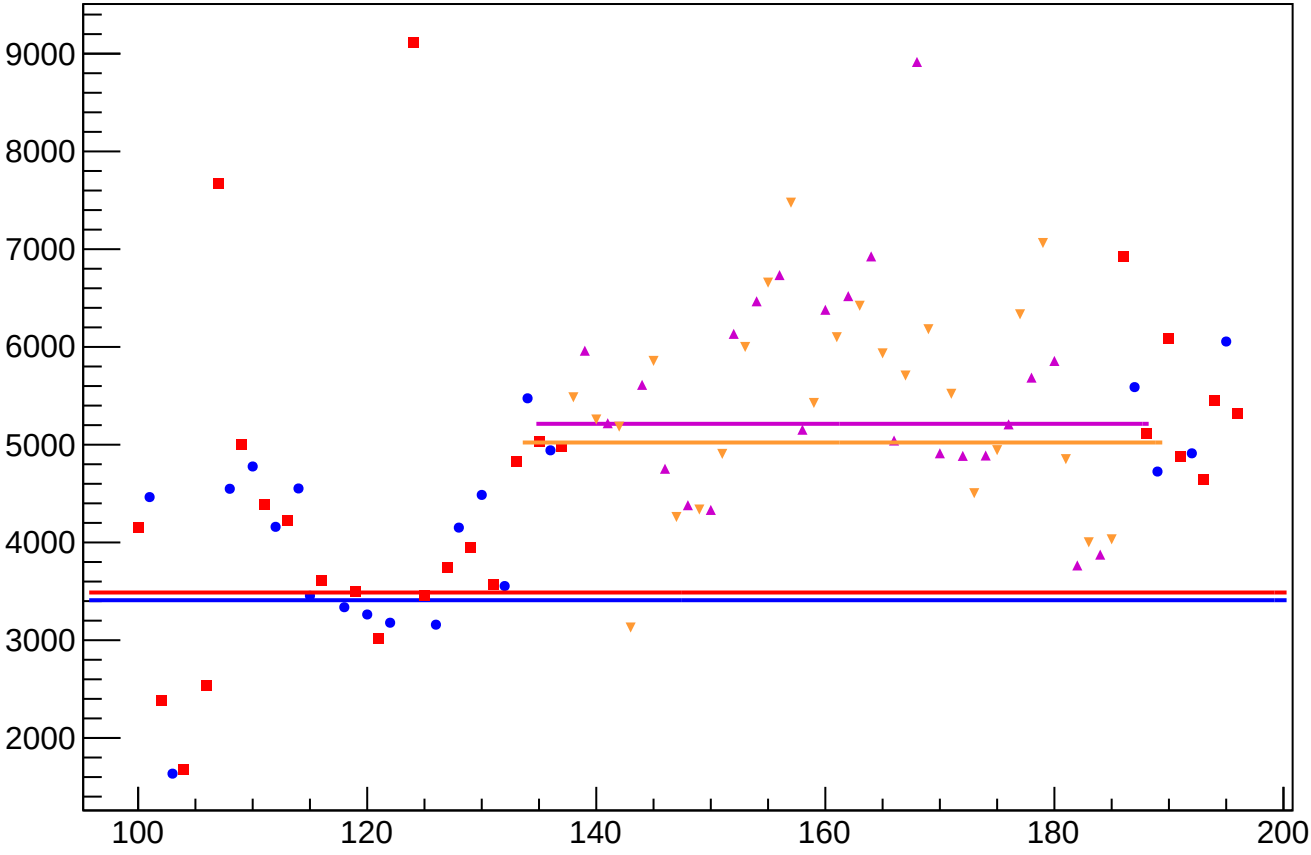
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1873.027+/-830.019 χ^2/NDF: 50.4/44

All: -172.923+/-586.404 χ^2/NDF: 114.8/93

- sign -2211.797+/-828.583 χ^2/NDF: 52.3/48

asym_atl_avg_rms vs Slug



Right In: 3409.116+/-0.831 χ^2/NDF: 2623549.7/19

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

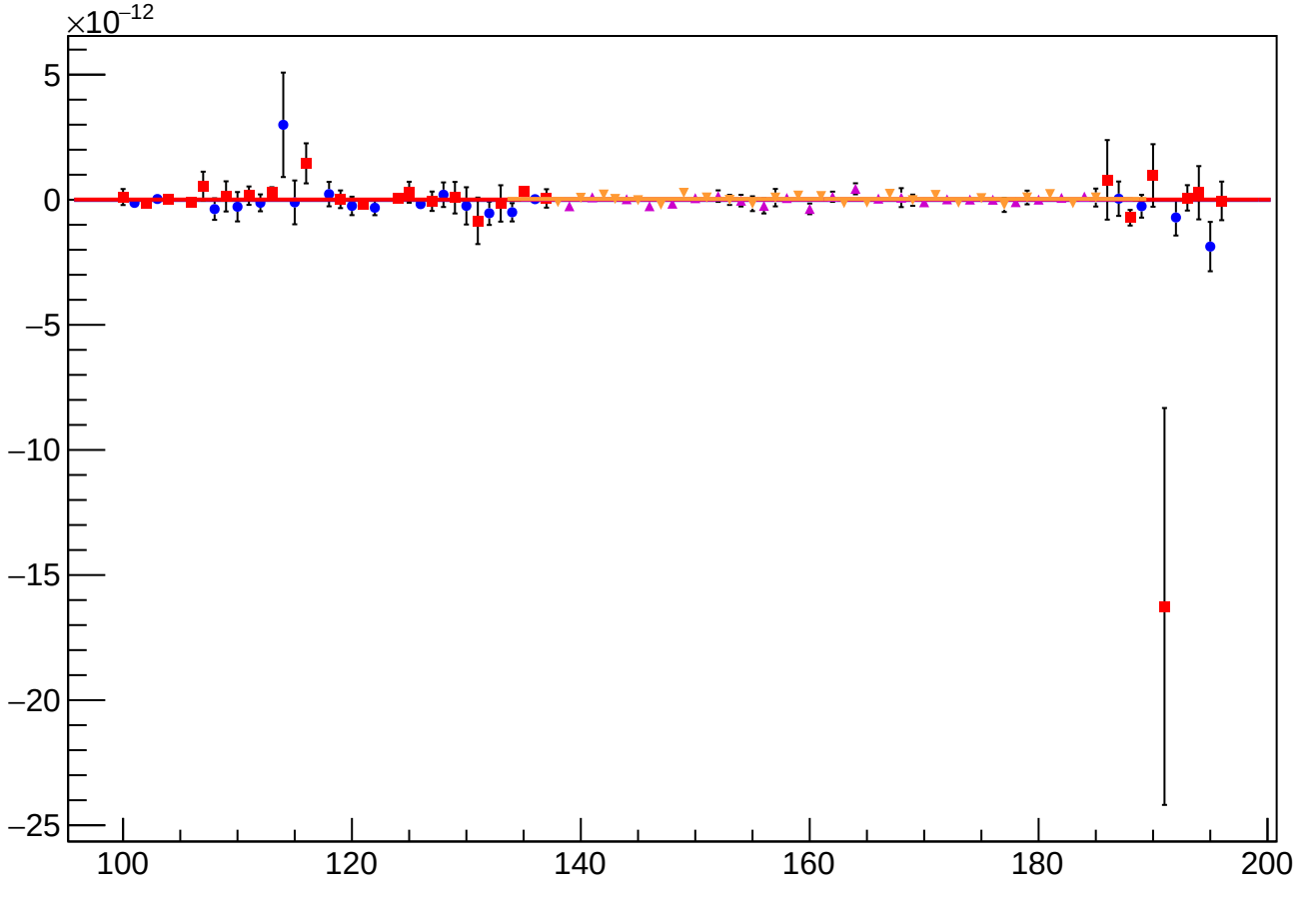
Right Out: 3488.044+/-0.777 χ^2/NDF: 3196461.2/25

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4217.614+/-0.587 χ^2/NDF: 6189097.7/44

All: 4231.548+/-0.413 χ^2/NDF: 12776289.0/9

- sign 4245.239+/-0.582 χ^2/NDF: 6586074.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

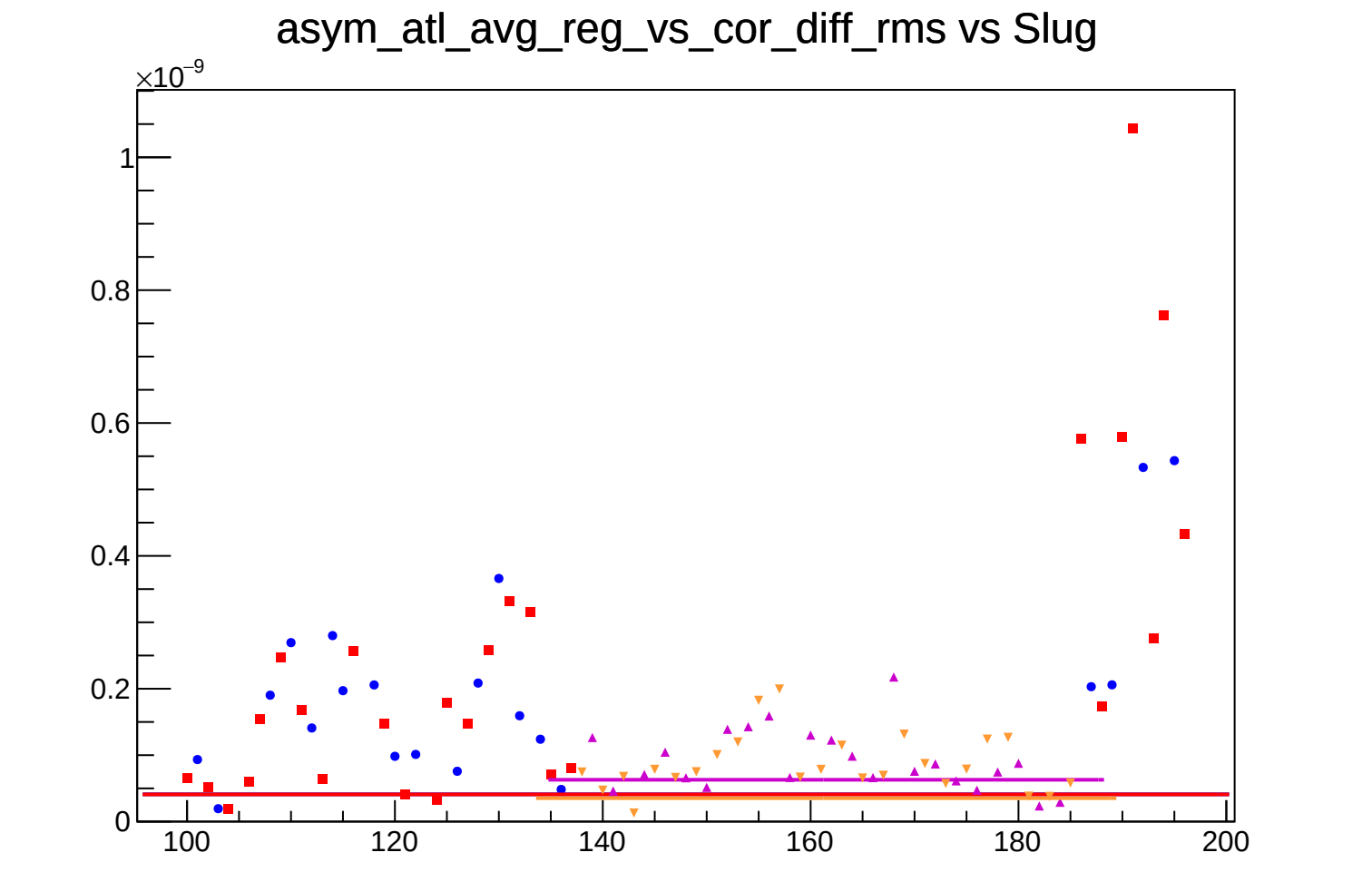
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/25

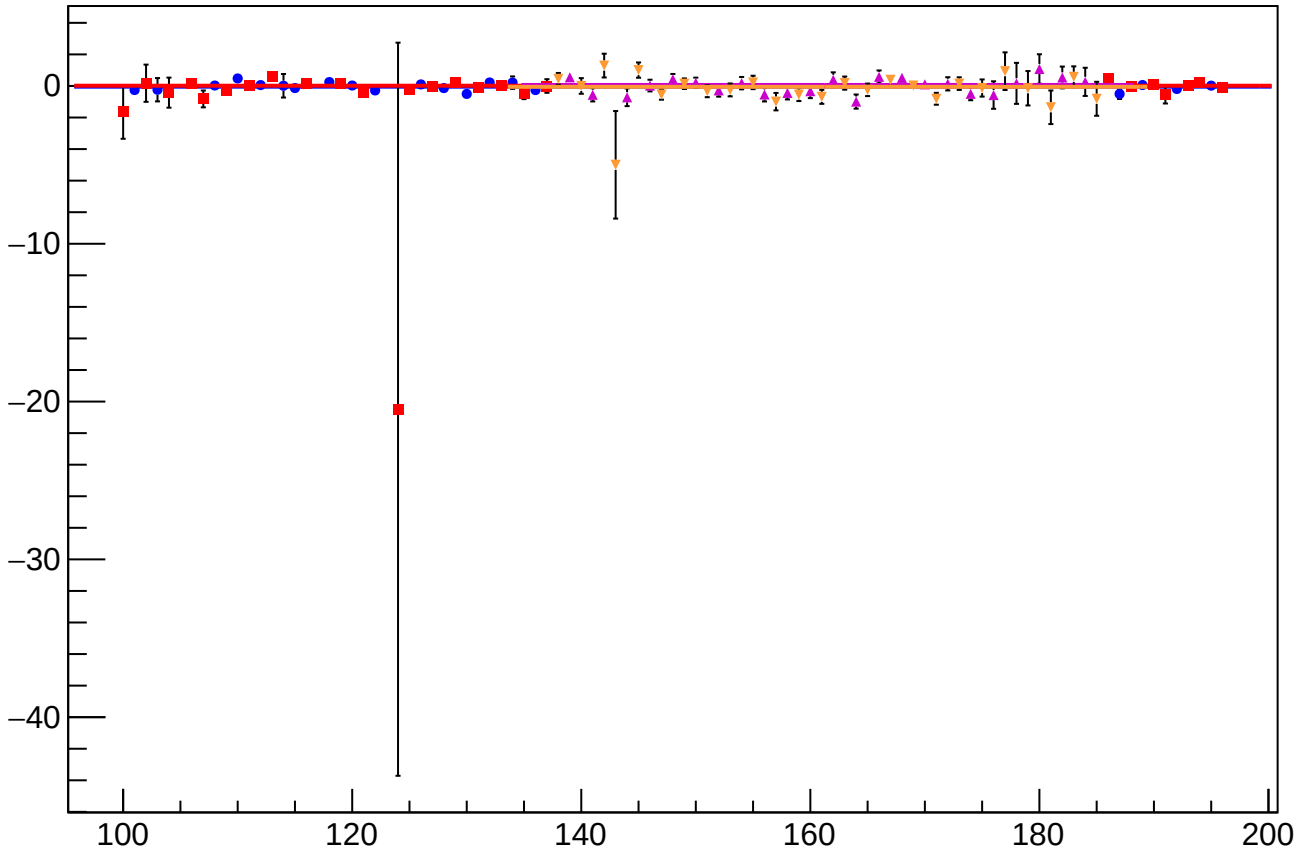
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/44

All: 0.000+/-0.000 χ^2/NDF: 86.4/93

- 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: 4725561.8/19
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: 11282267.6/44
All: 0.000+/-0.000 χ²/NDF: 21162550.9/93
- sign 0.000+/-0.000 χ²/NDF: 9051217.1/48



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

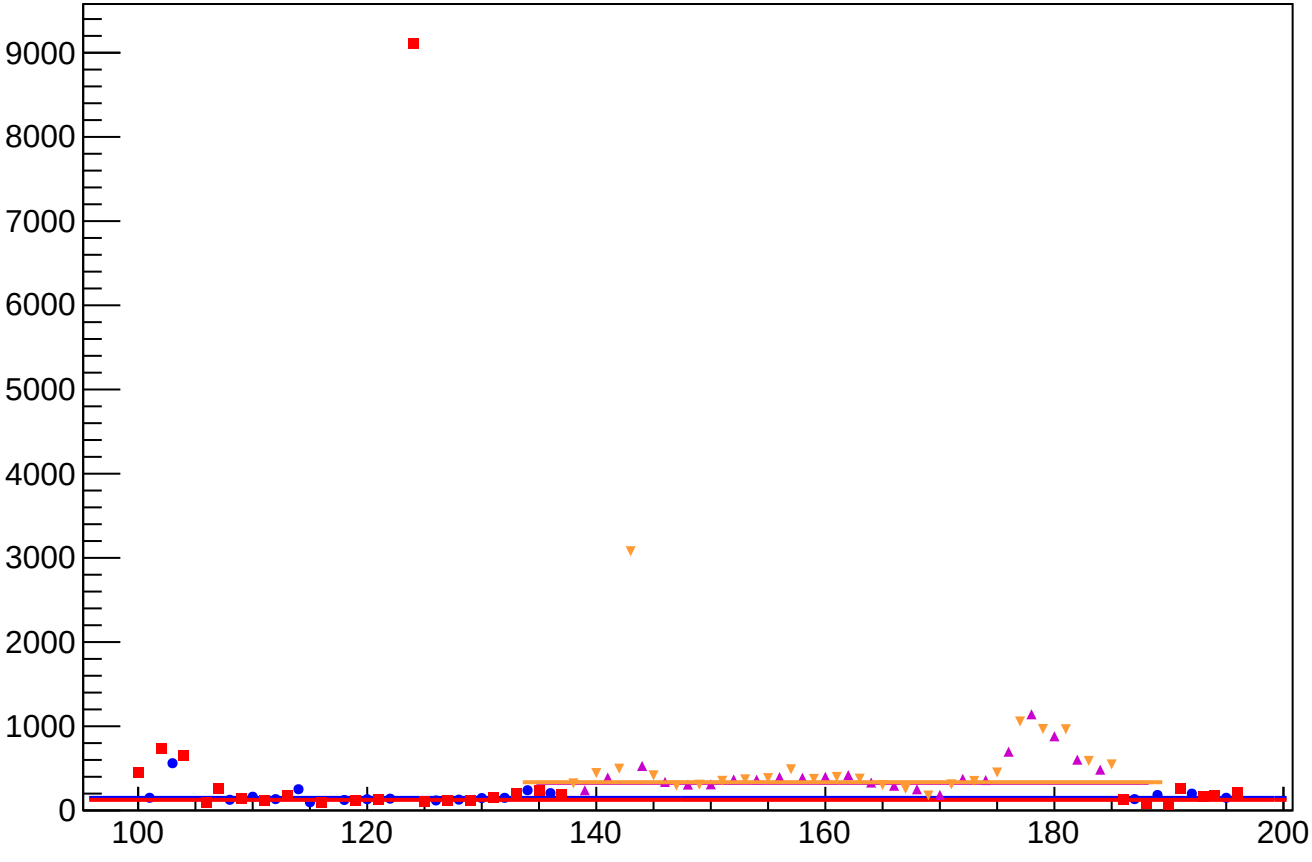
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.005+/-0.029 χ^2/NDF: 111.9/93

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 149.384+/-0.036 χ^2/NDF: 1297979.0/19

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

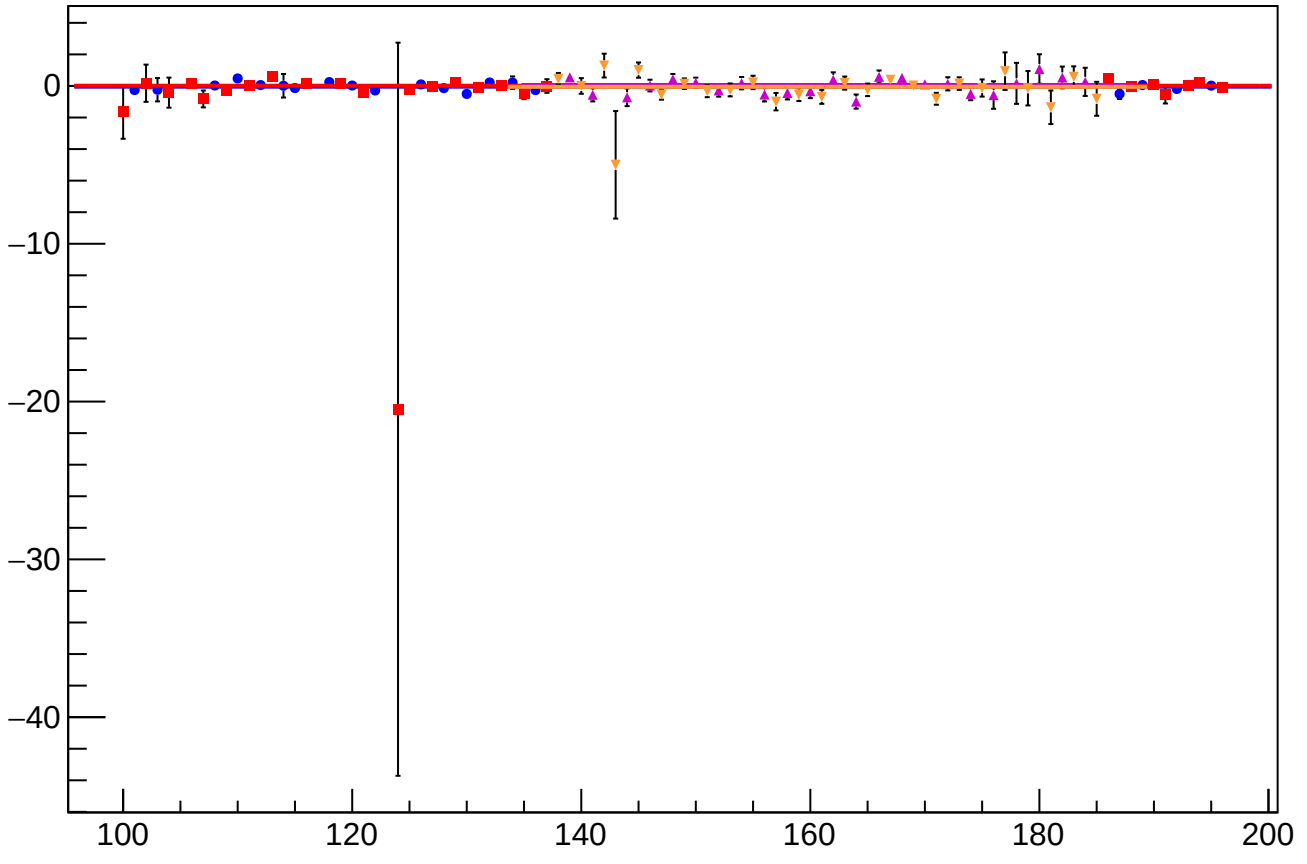
Right Out: 125.916+/-0.030 χ^2/NDF: 3494745.1/25

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 199.408+/-0.031 χ^2/NDF: 14196288.1/44

All: 180.966+/-0.020 χ^2/NDF: 31887579.9/93

- sign 167.469+/-0.027 χ^2/NDF: 17080153.8/48



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

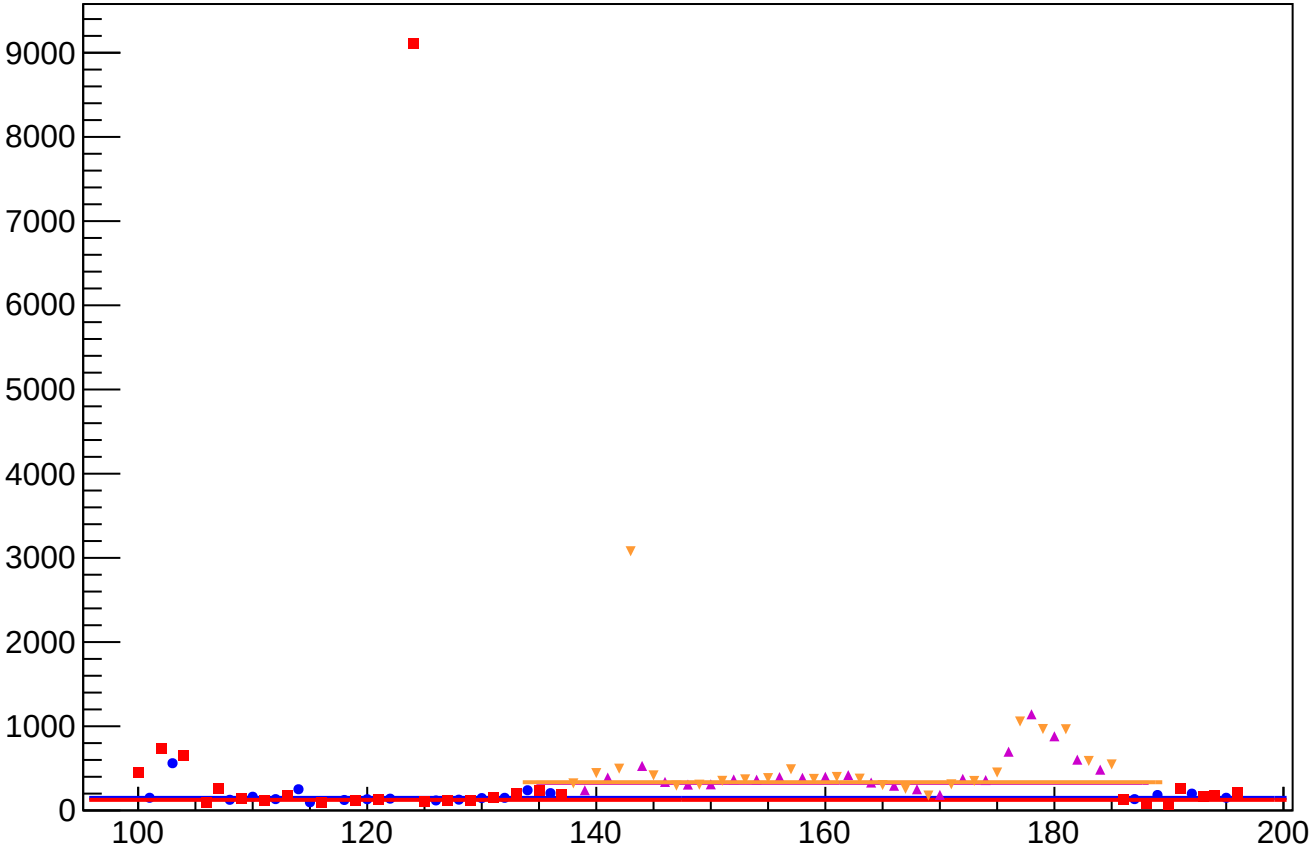
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

\+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.005+/-0.029 χ^2/NDF: 111.9/93

\- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.384+/-0.036 χ^2/NDF: 1297979.0/19

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

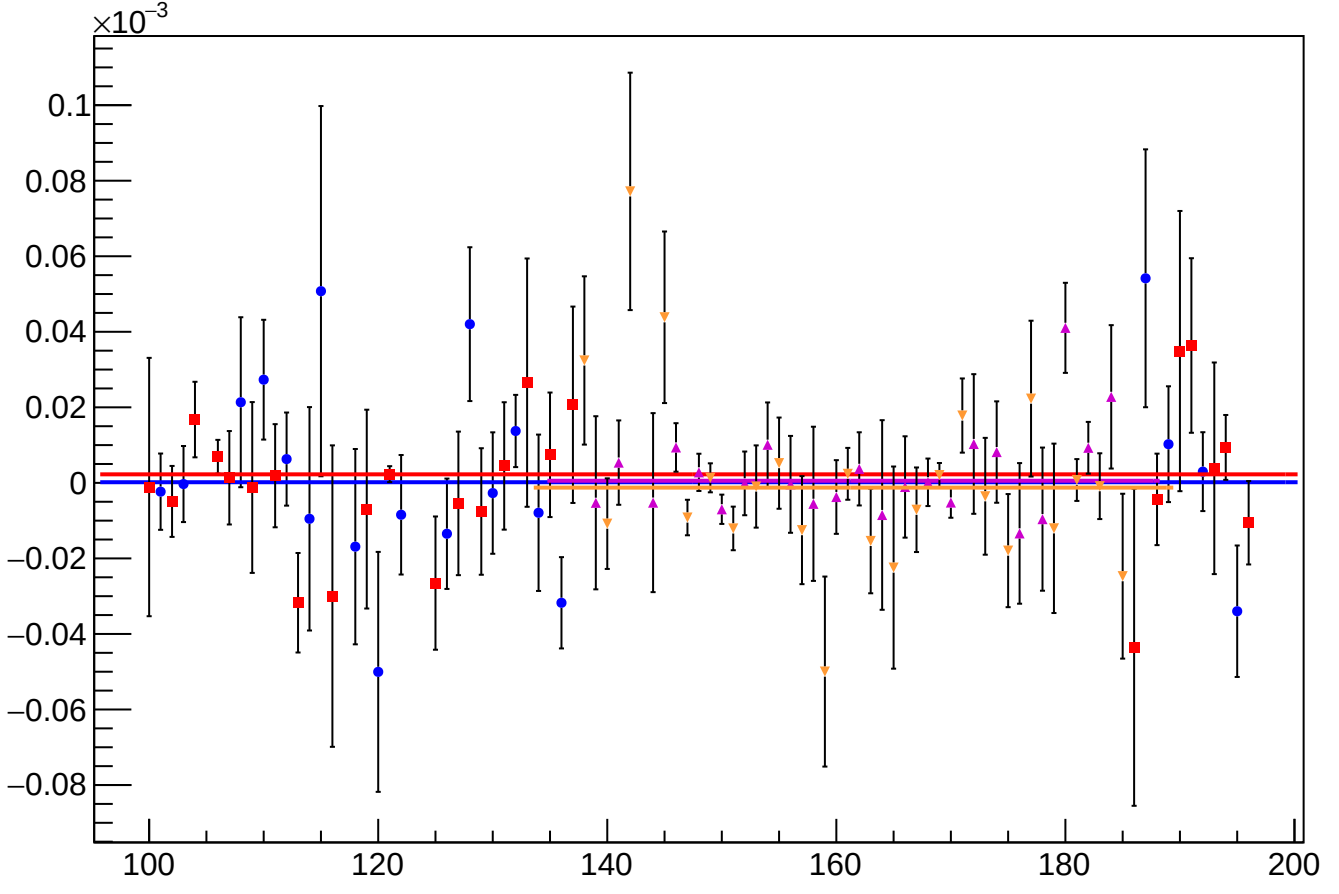
Right Out: 125.916+/-0.030 χ^2/NDF: 3494745.1/25

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 199.408+/-0.031 χ^2/NDF: 14196288.1/44

All: 180.966+/-0.020 χ^2/NDF: 31887579.9/93

- sign 167.469+/-0.027 χ^2/NDF: 17080153.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

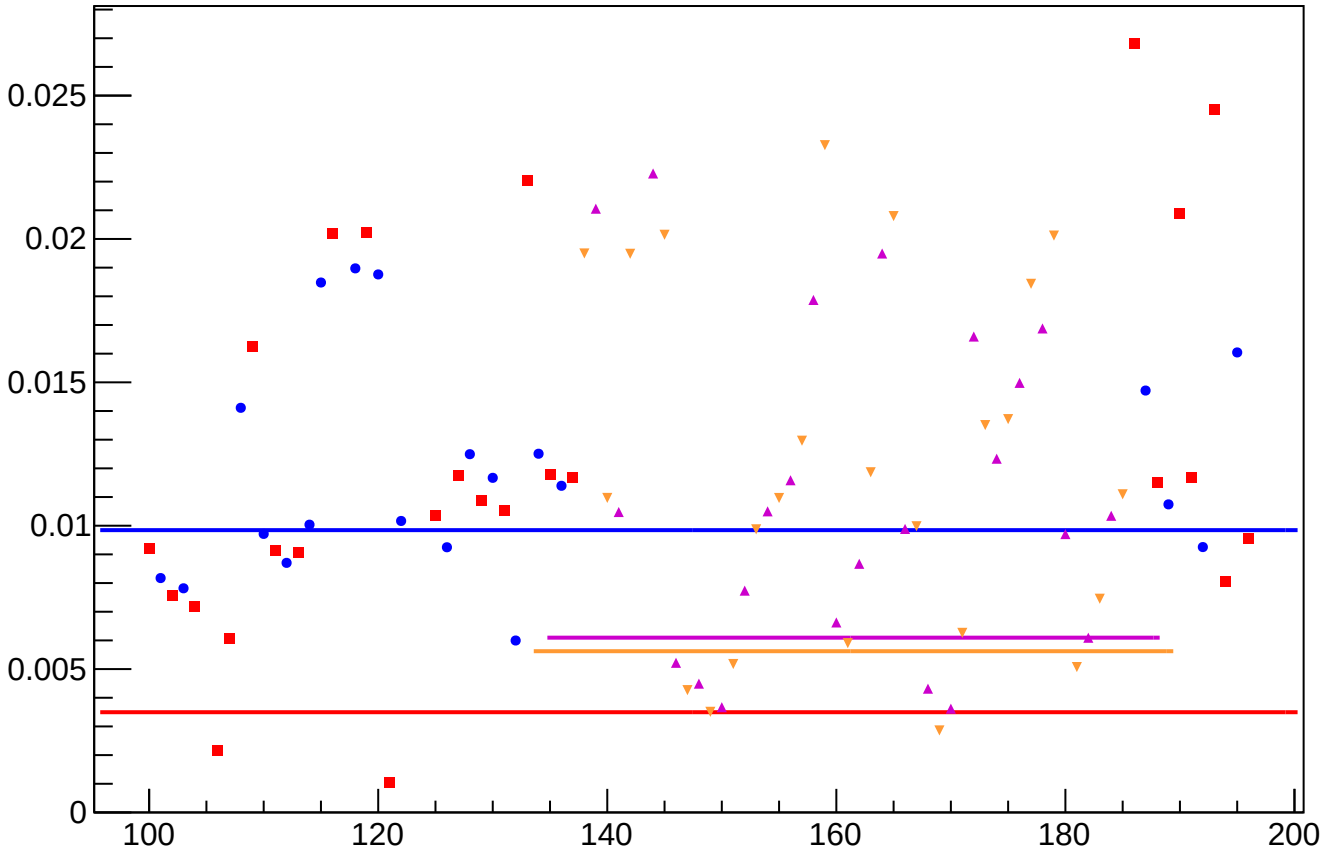
Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.5/43

All: 0.000+/-0.000 χ^2/NDF: 115.3/91

- sign 0.000+/-0.000 χ^2/NDF: 48.1/47



Right In: 0.010+/-0.000 χ^2/NDF: 1455360.2/19

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

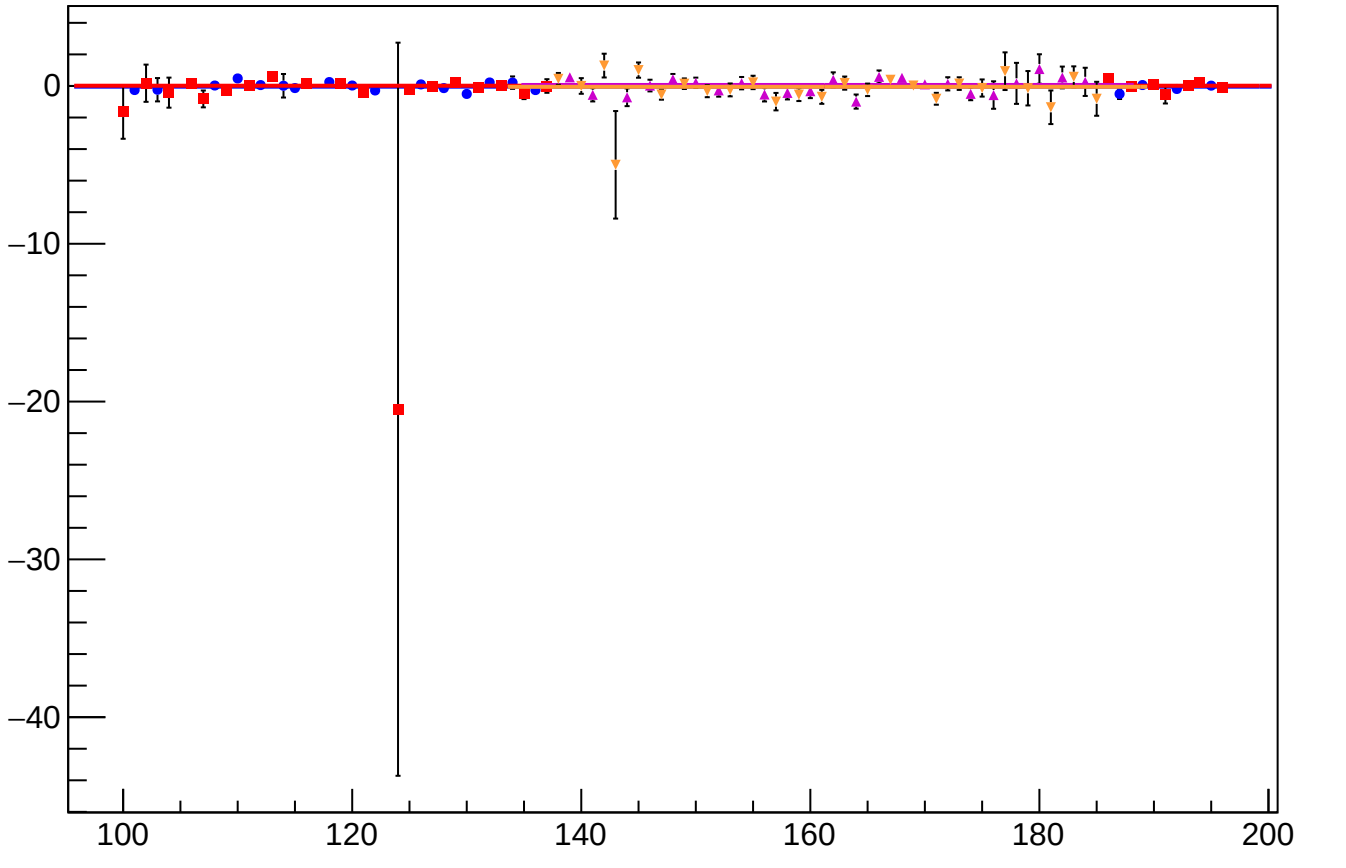
Right Out: 0.003+/-0.000 χ^2/NDF: 13368143.8/24

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15210563.6/43

All: 0.005+/-0.000 χ^2/NDF: 41373118.0/91

- sign 0.005+/-0.000 χ^2/NDF: 24545325.9/47



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

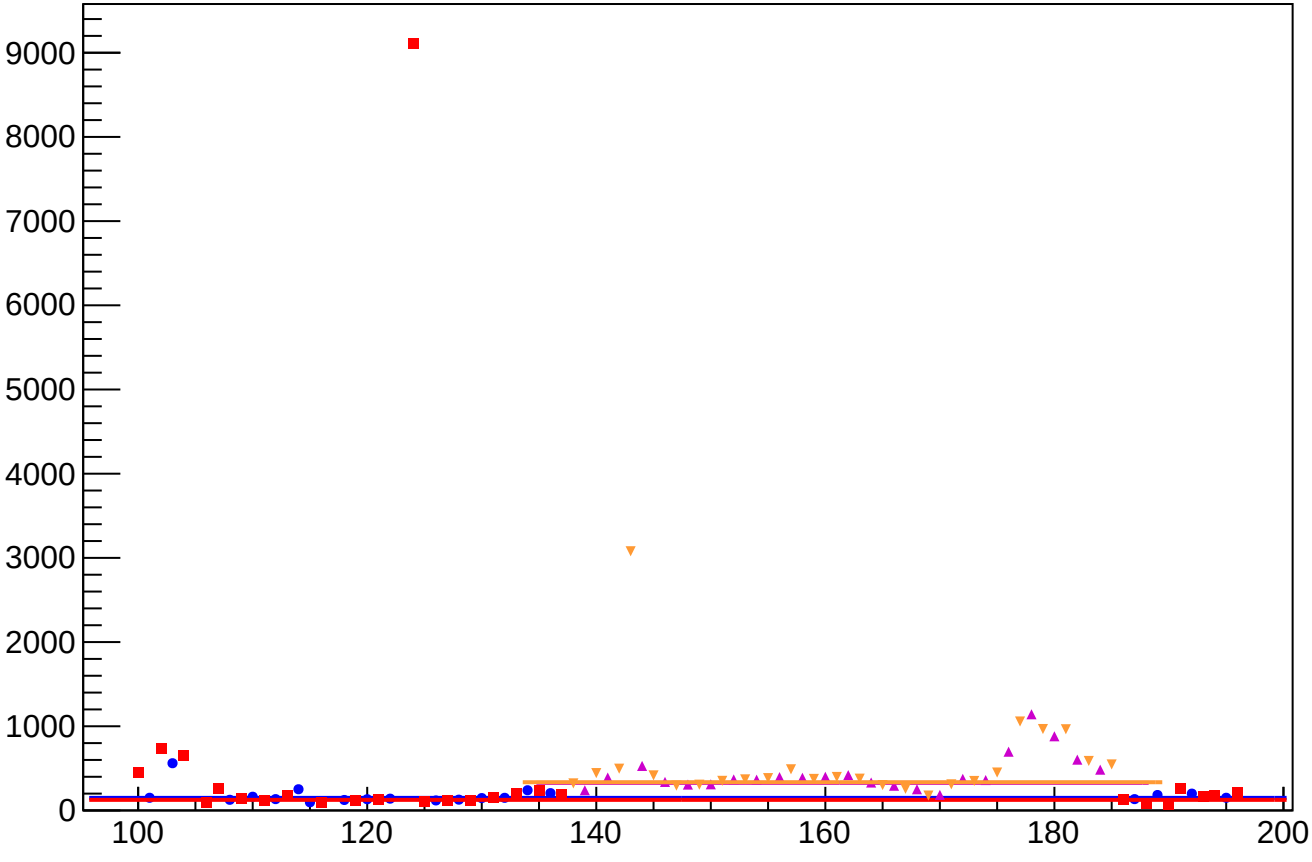
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.005+/-0.029 χ^2/NDF: 111.9/93

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.383+/-0.036 χ^2/NDF: 1298000.9/19

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

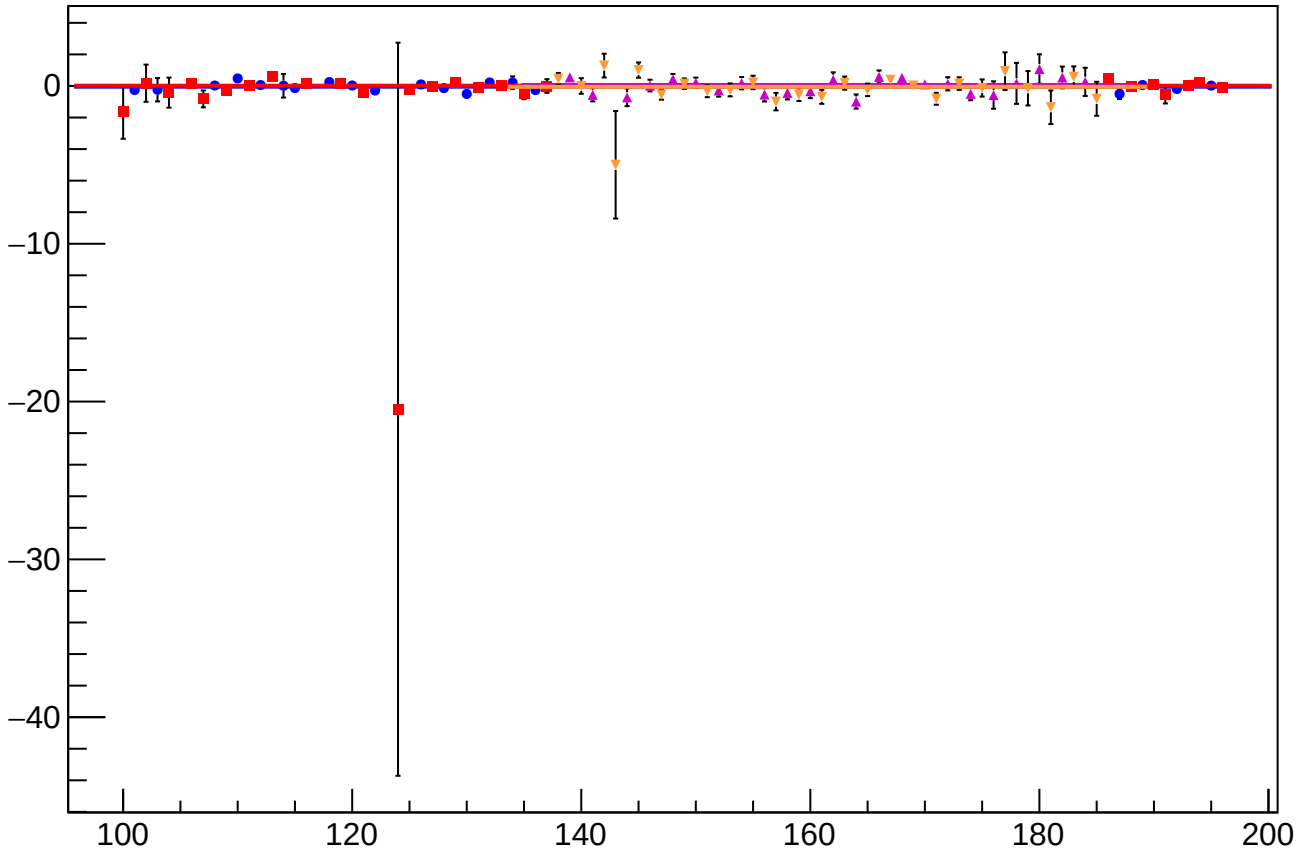
Right Out: 125.913+/-0.030 χ^2/NDF: 3494743.7/25

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 199.407+/-0.031 χ^2/NDF: 14196587.9/44

All: 180.964+/-0.020 χ^2/NDF: 31888325.7/93

- sign 167.467+/-0.027 χ^2/NDF: 17080547.1/48



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

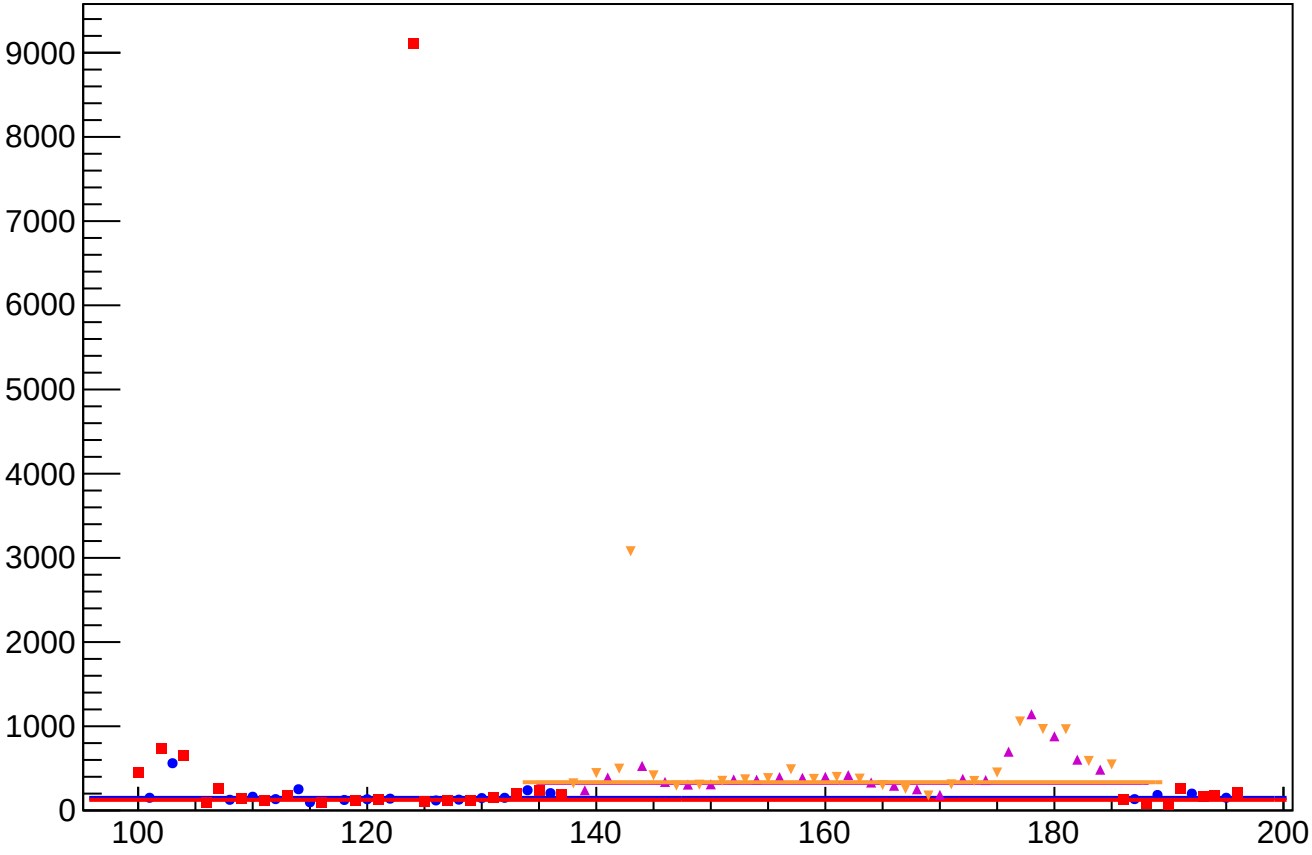
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.005+/-0.029 χ^2/NDF: 111.9/93

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.383+/-0.036 χ^2/NDF: 1298000.9/19

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

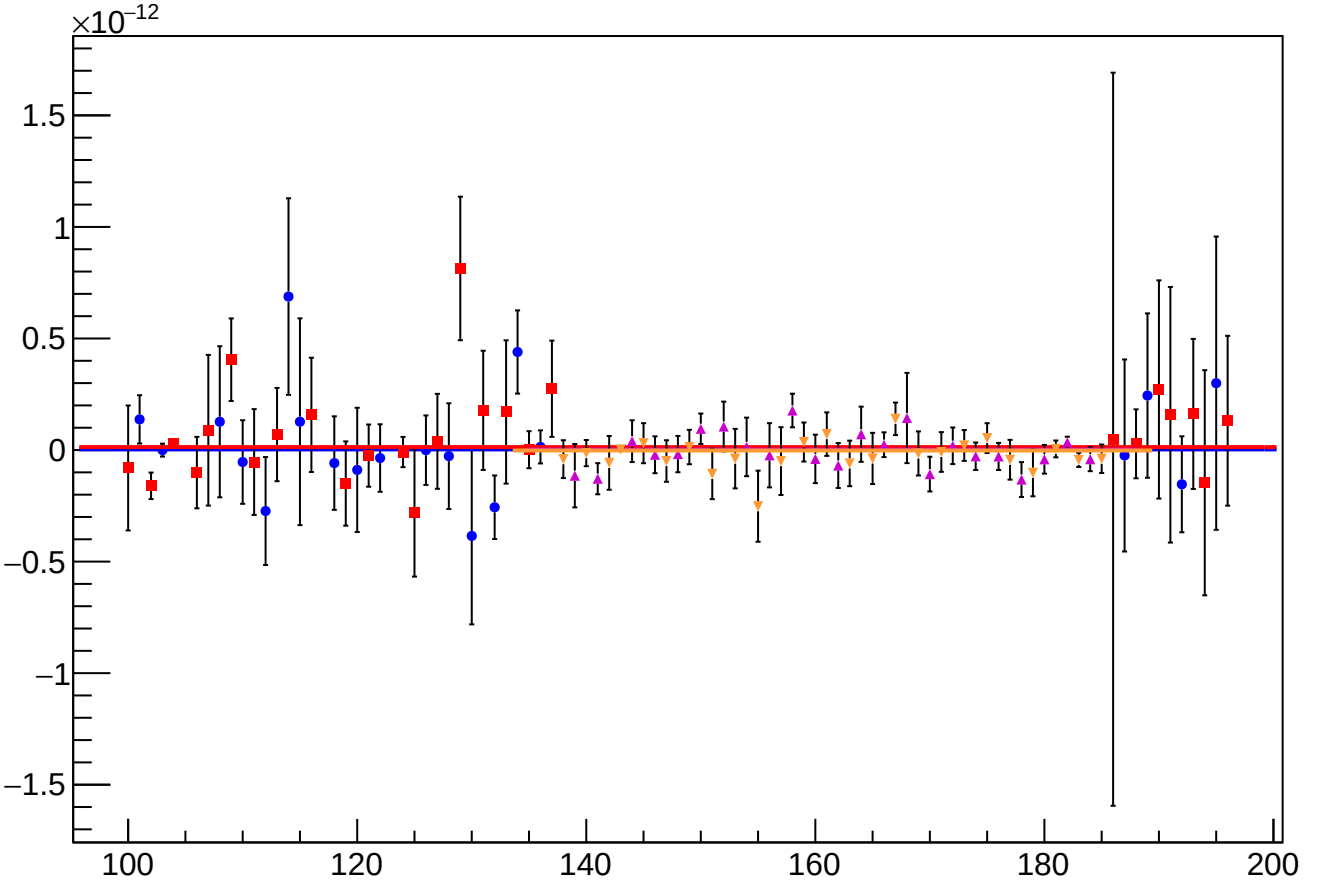
Right Out: 125.913+/-0.030 χ^2/NDF: 3494743.7/25

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 199.407+/-0.031 χ^2/NDF: 14196587.9/44

All: 180.964+/-0.020 χ^2/NDF: 31888325.7/93

- sign 167.467+/-0.027 χ^2/NDF: 17080547.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/25

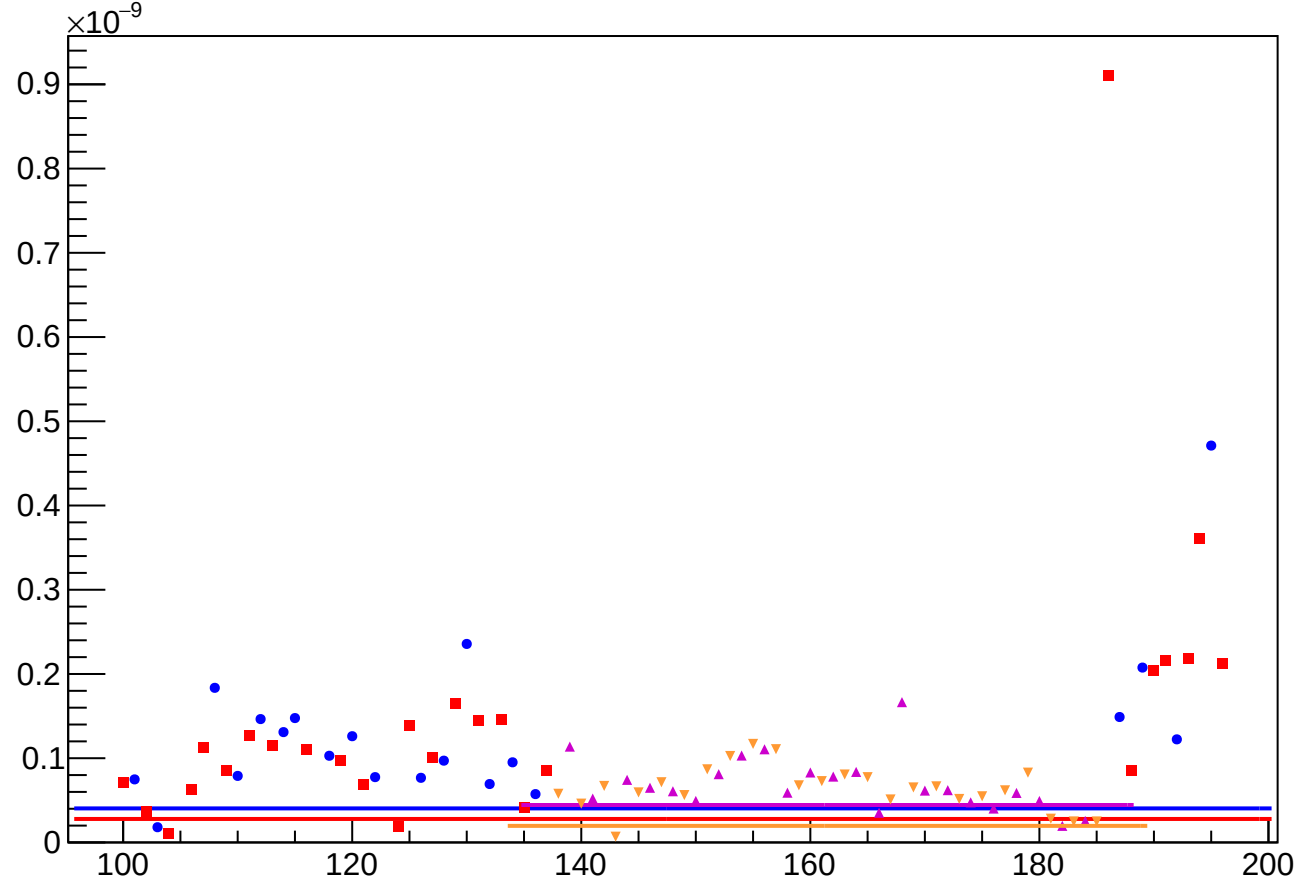
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/44

All: 0.000+/-0.000 χ^2/NDF: 79.3/93

- 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: 5654913.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8057808.8/25

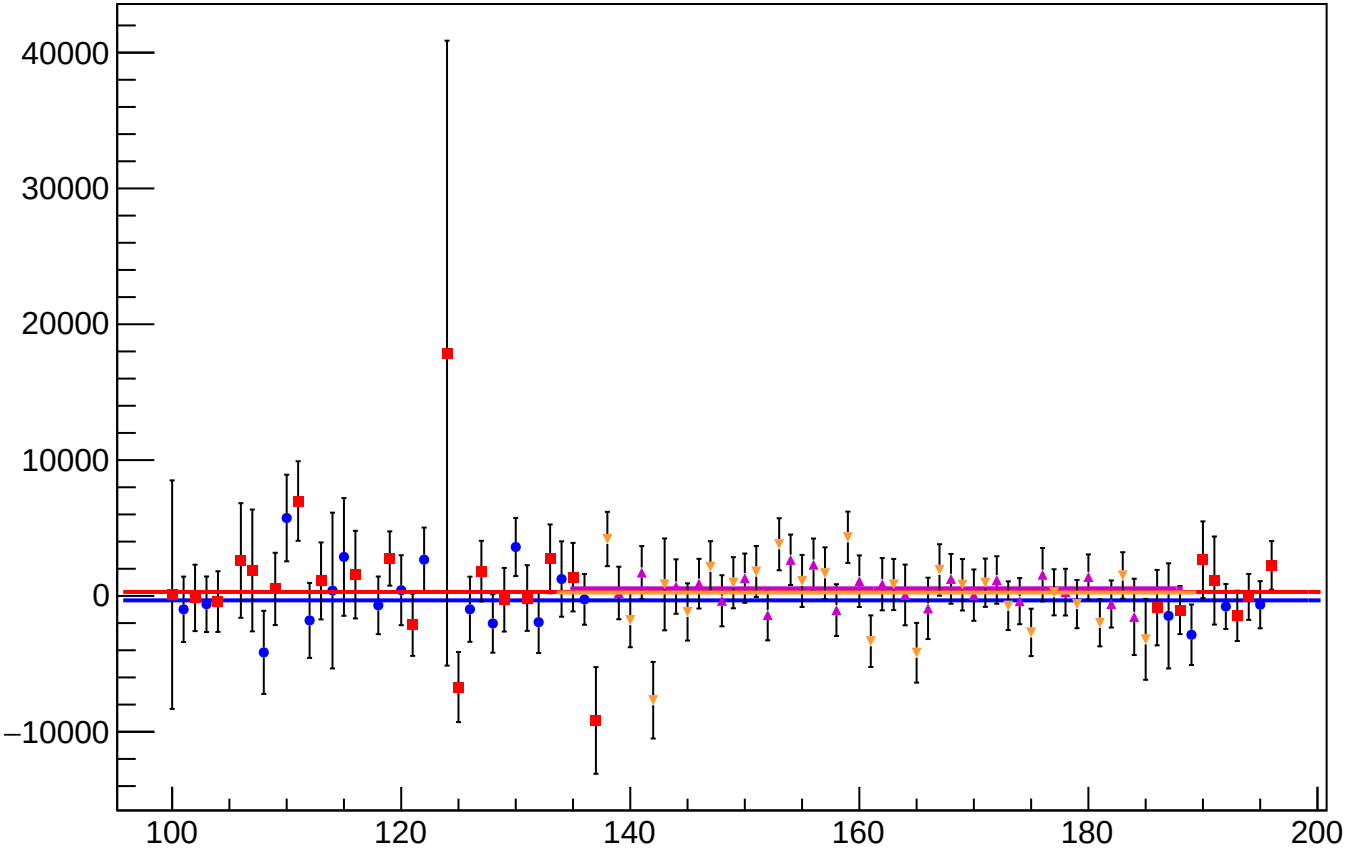
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21908225.1/44

All: 0.000+/-0.000 χ^2/NDF: 39751198.5/93

- sign 0.000+/-0.000 χ^2/NDF: 15002319.7/48

reg_asym_atl_dd_mean vs Slug



Right In: -325.792+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 292.432+/-493.069 χ^2/NDF: 27.7/25

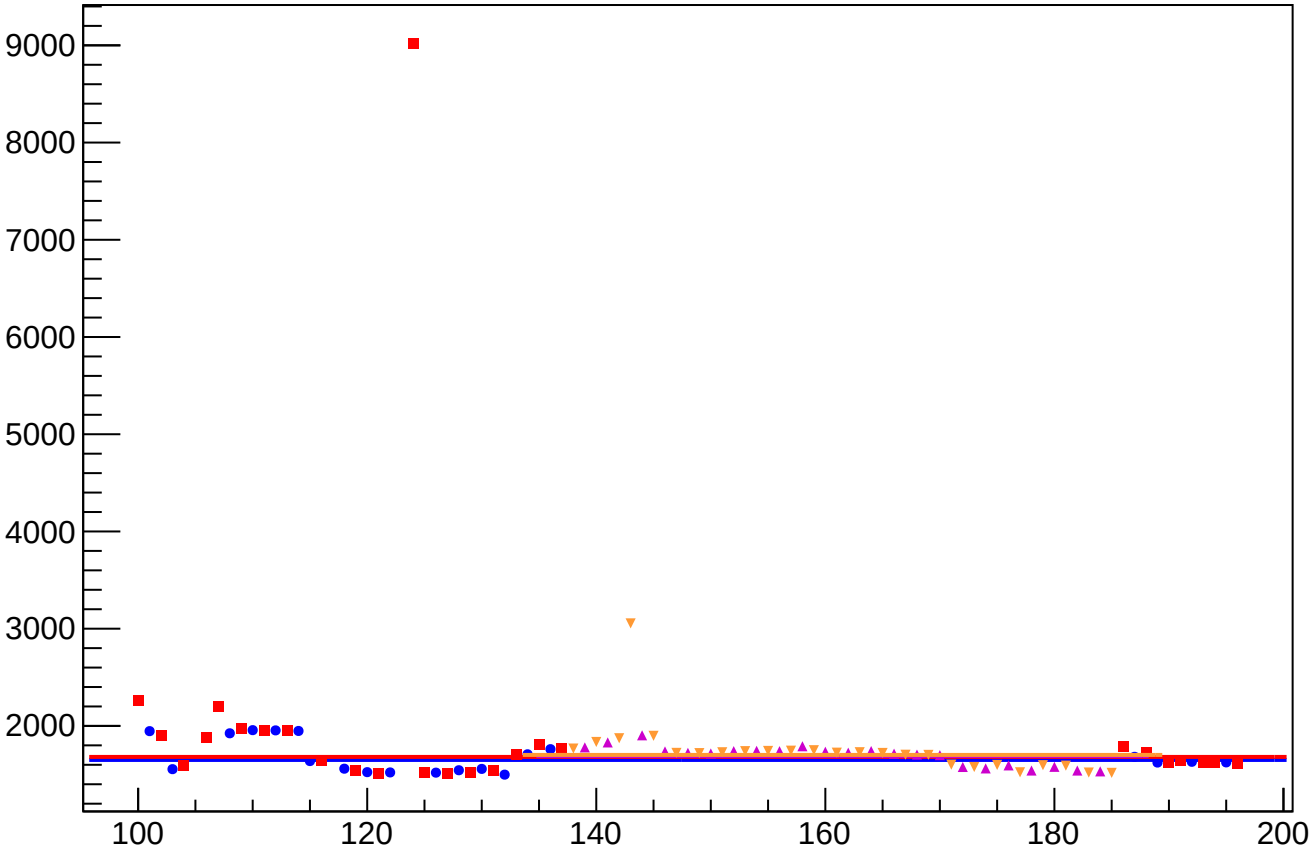
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 47.088+/-313.383 χ^2/NDF: 54.6/44

All: 254.546+/-219.787 χ^2/NDF: 90.8/93

- sign 455.368+/-308.330 χ^2/NDF: 35.4/48

reg_asym_atl_dd_rms vs Slug



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1680.962+/-0.348 χ^2/NDF: 399517.9/25

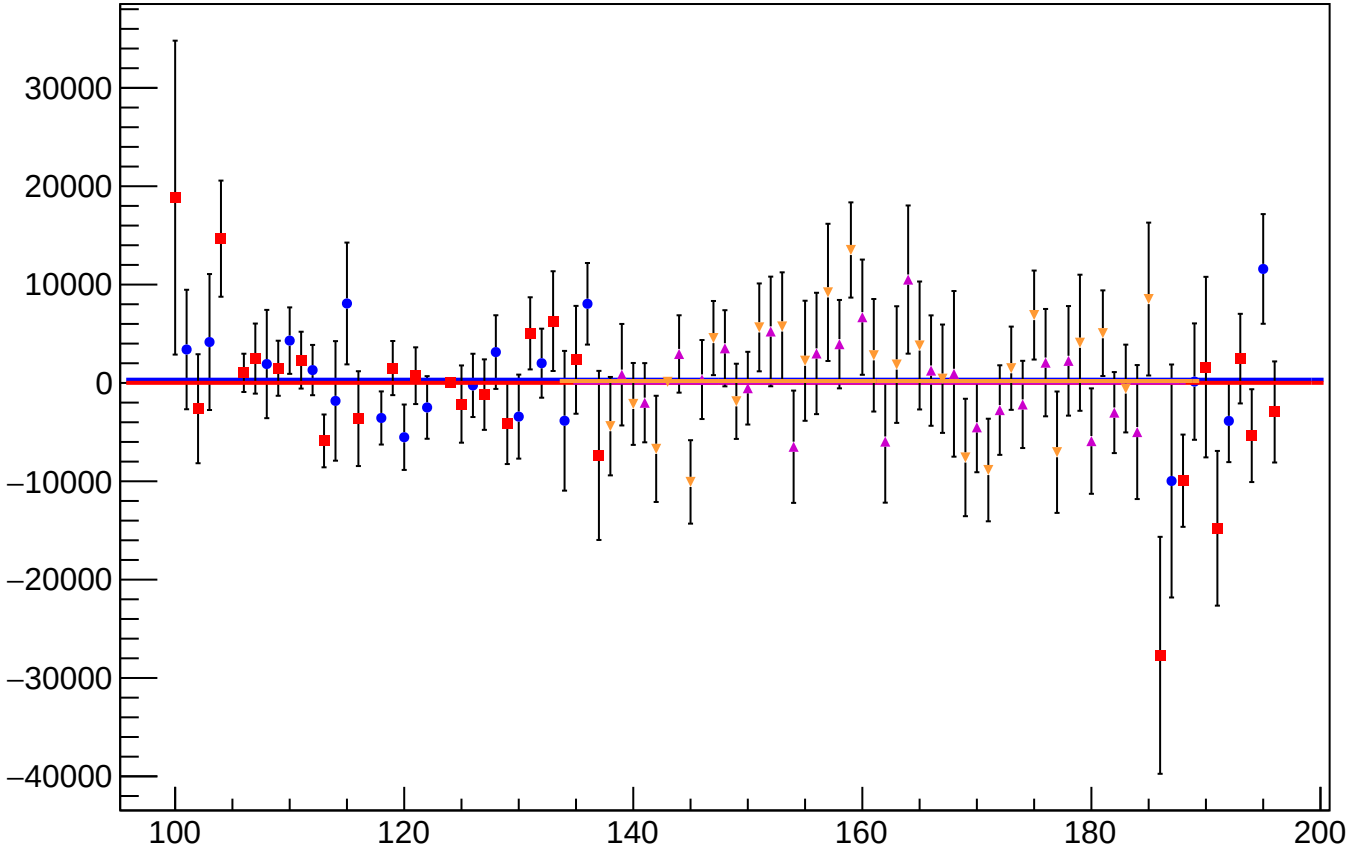
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.3/44

All: 1684.772+/-0.155 χ^2/NDF: 1132338.3/93

- sign 1686.003+/-0.218 χ^2/NDF: 522181.9/48

asym_atl_dd_reg_correction_mean vs Slug



Right In: 330.055+/-910.035 χ^2/NDF: 21.1/19

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 10.516+/-320.189 χ^2/NDF: 36.2/25

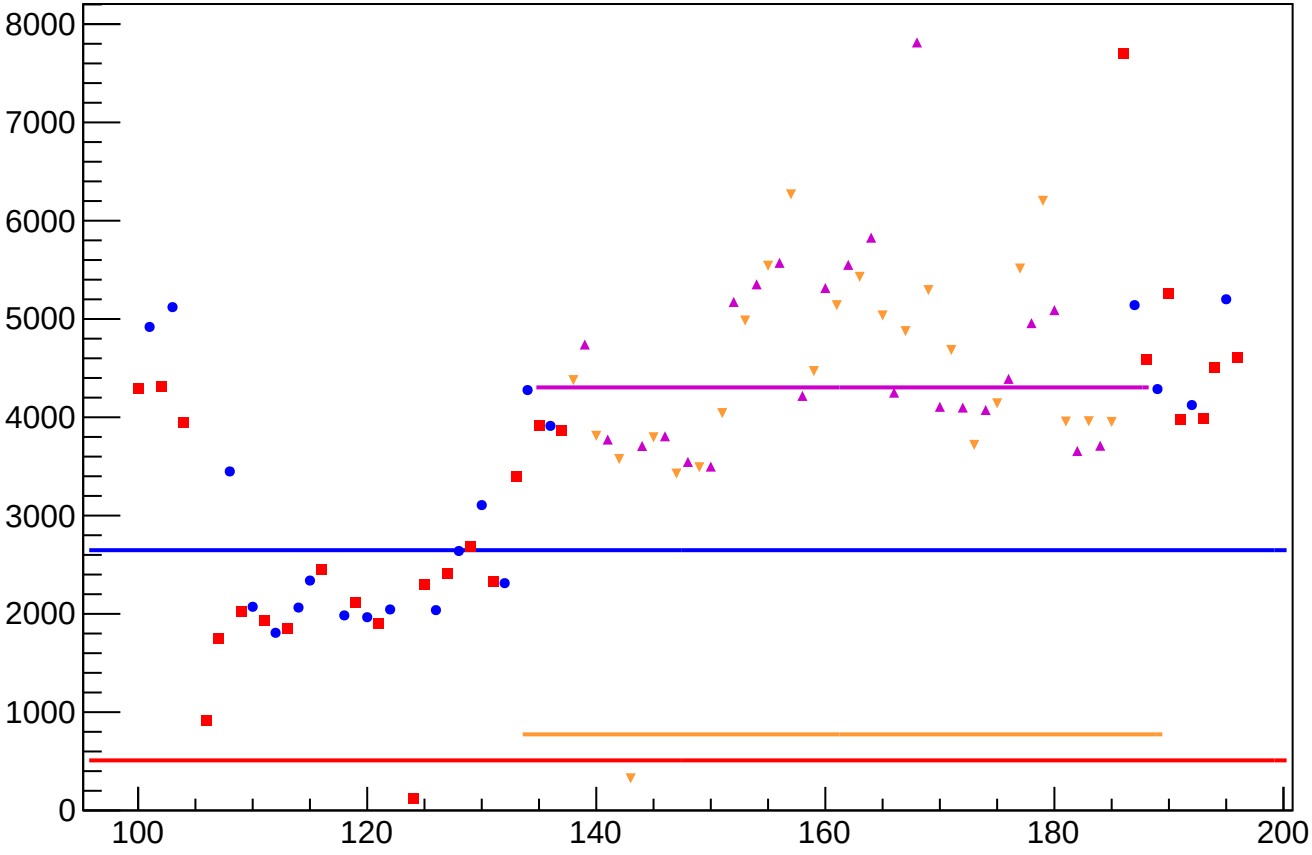
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 210.500+/-321.067 χ^2/NDF: 55.0/44

All: 106.436+/-221.372 χ^2/NDF: 104.7/93

- sign 12.134+/-305.637 χ^2/NDF: 49.5/48

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2647.817+/-0.643 χ^2/NDF: 2466016.4/19

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 509.361+/-0.226 χ^2/NDF: 18243231.4/25

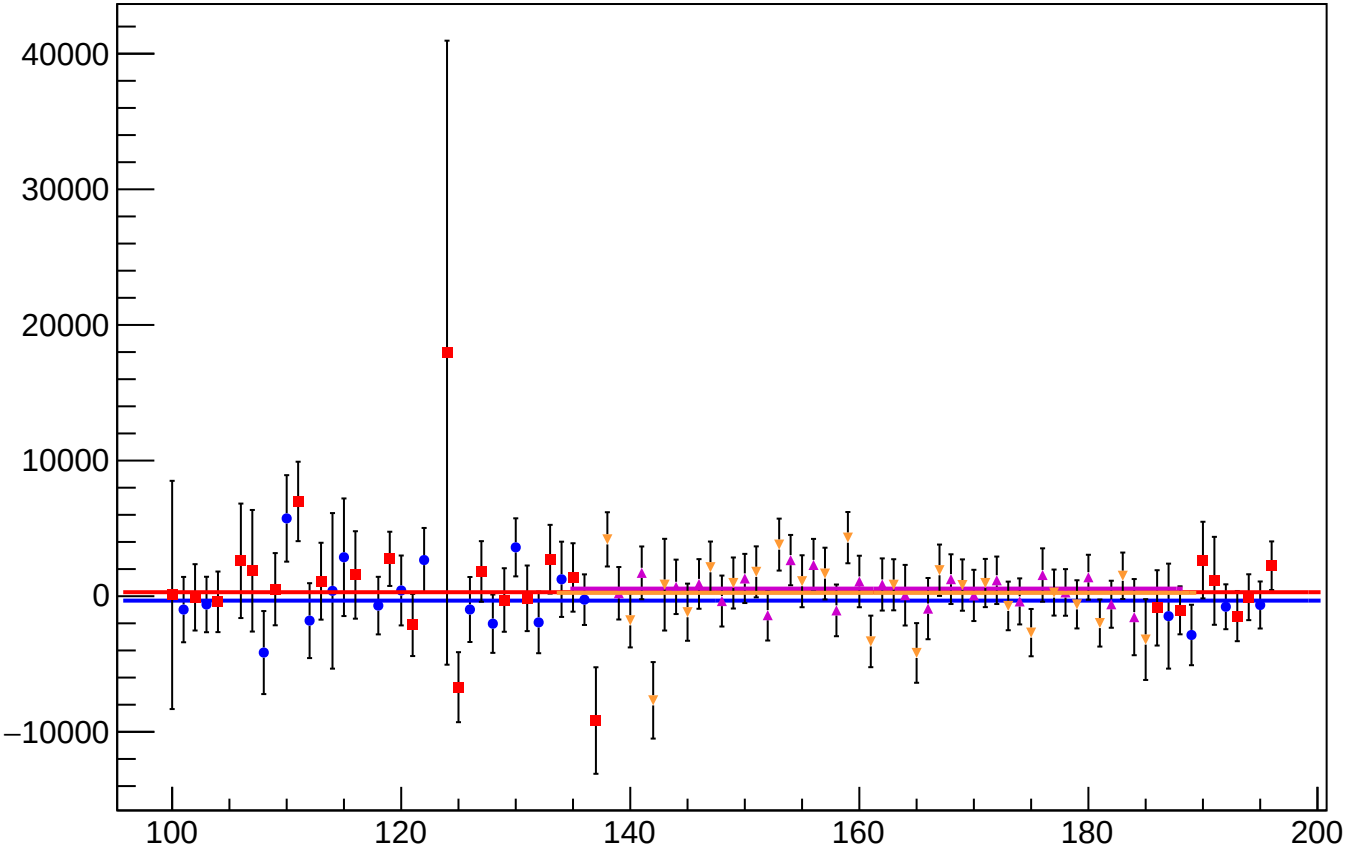
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1007.443+/-0.227 χ^2/NDF: 37973767.0/44

All: 922.978+/-0.157 χ^2/NDF: 82650092.8/93

- sign 846.437+/-0.216 χ^2/NDF: 44412476.3/48

cor_asym_atl_dd_mean vs Slug



Right In: -325.841+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 295.043+/-493.071 χ^2/NDF: 27.7/25

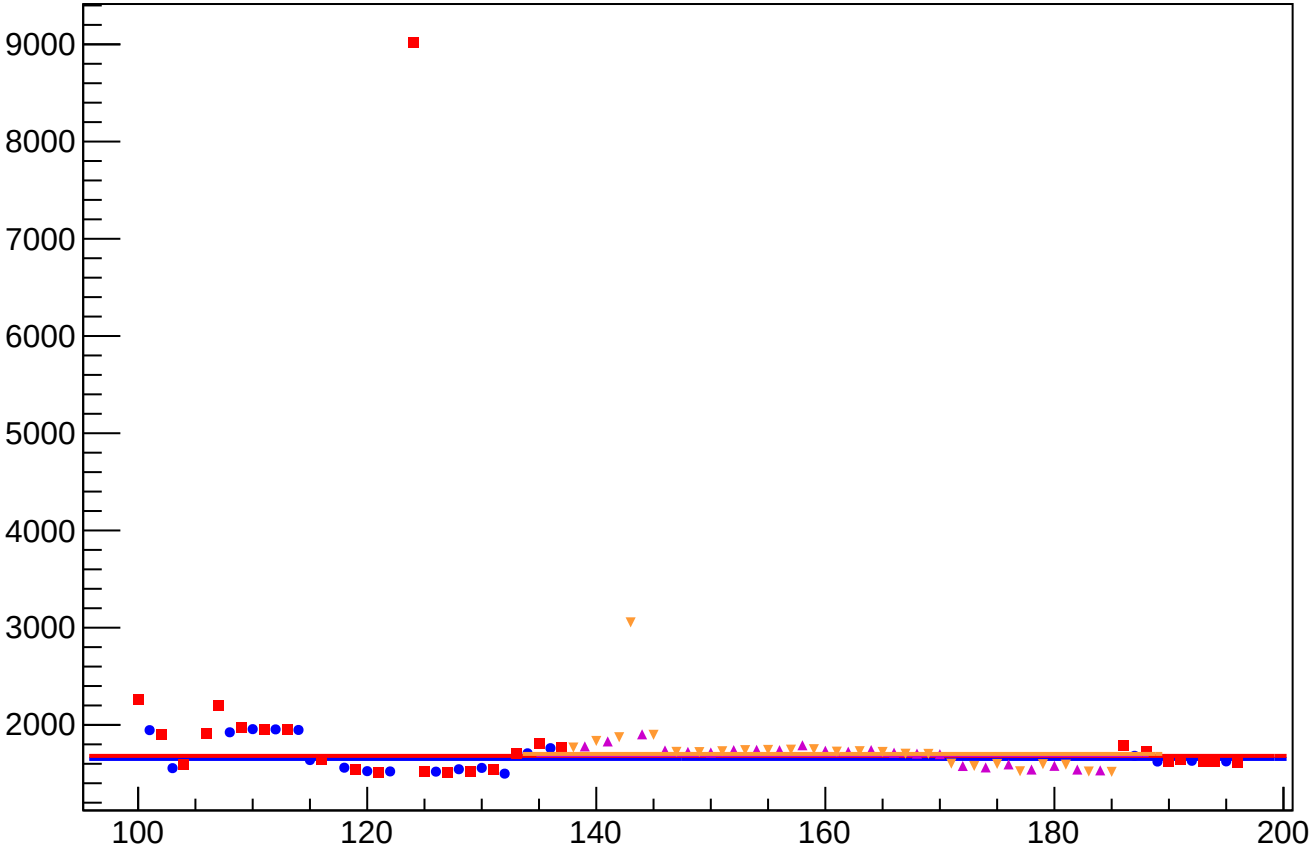
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

\+ sign 47.060+/-313.383 χ^2/NDF: 54.6/44

All: 255.040+/-219.787 χ^2/NDF: 90.8/93

\- sign 456.368+/-308.331 χ^2/NDF: 35.4/48

cor_asym_atl_dd_rms vs Slug



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1681.435+/-0.348 χ^2/NDF: 401393.5/25

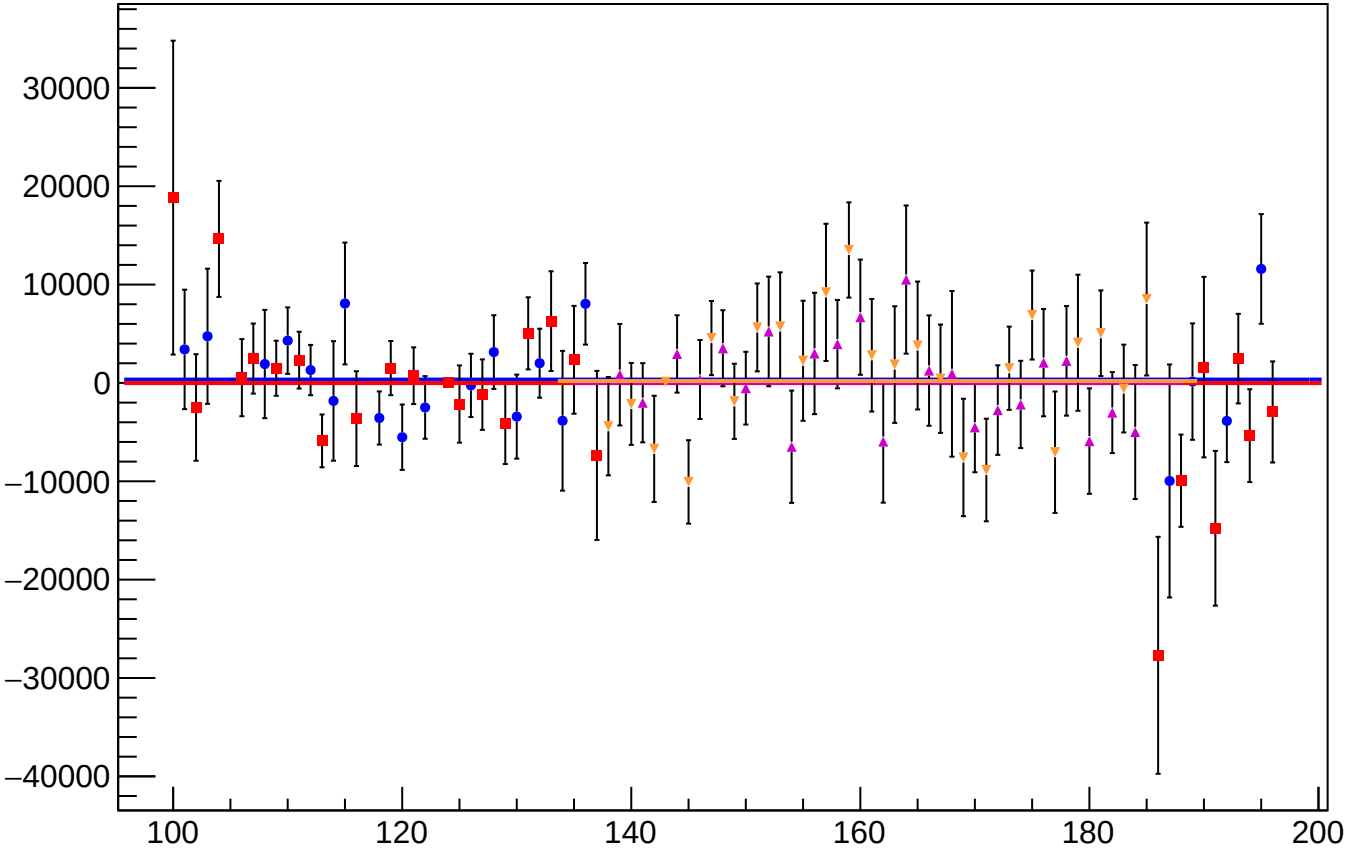
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.4/44

All: 1684.867+/-0.155 χ^2/NDF: 1134185.5/93

- sign 1686.190+/-0.218 χ^2/NDF: 524019.0/48

asym_atl_dd_cor_correction_mean vs Slug



Right In: 341.343+/-909.934 χ^2/NDF: 21.2/19

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -16.667+/-312.482 χ^2/NDF: 36.0/25

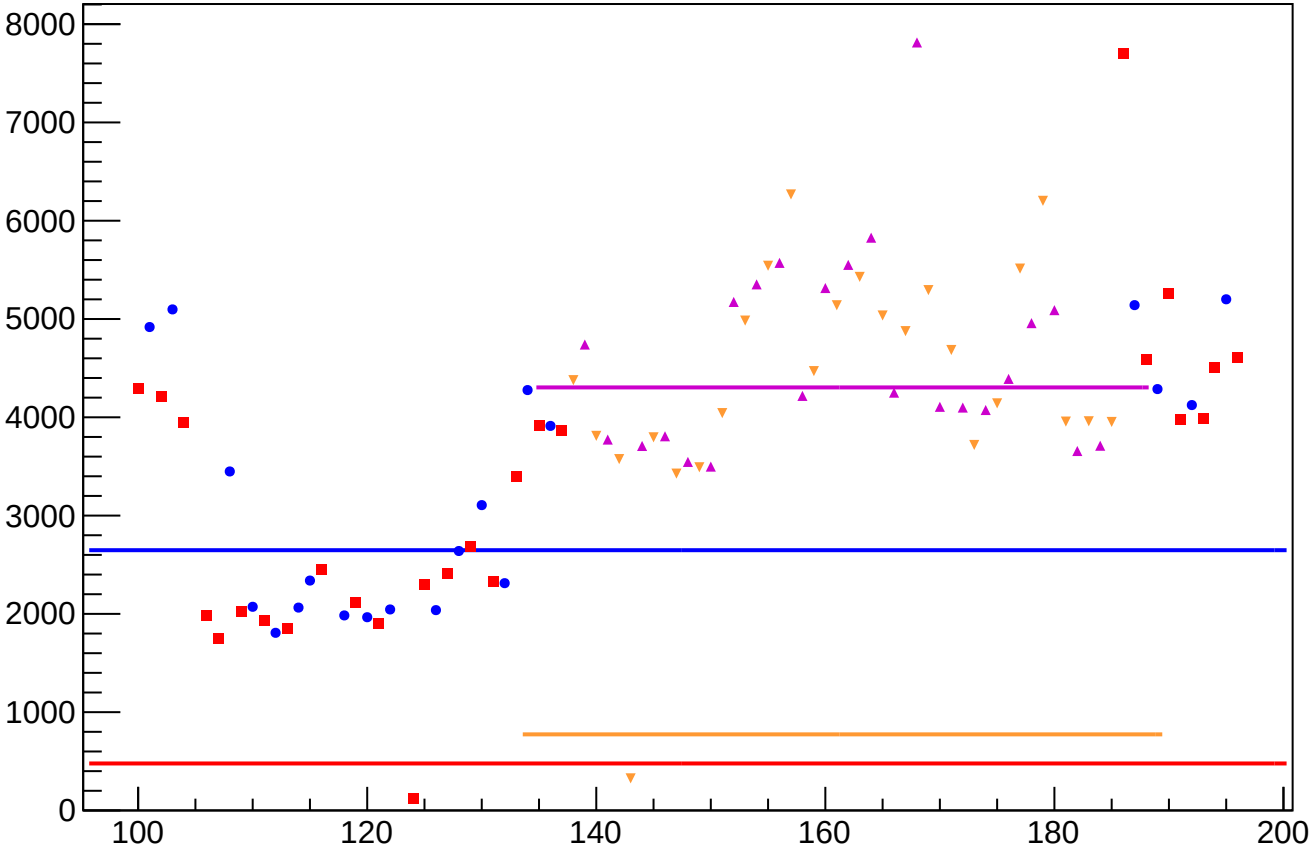
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 212.268+/-321.043 χ^2/NDF: 55.1/44

All: 91.707+/-218.769 χ^2/NDF: 104.6/93

- sign -12.806+/-298.913 χ^2/NDF: 49.2/48

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2647.918+/-0.643 χ^2/NDF: 2464196.1/19

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 478.068+/-0.221 χ^2/NDF: 18688968.3/25

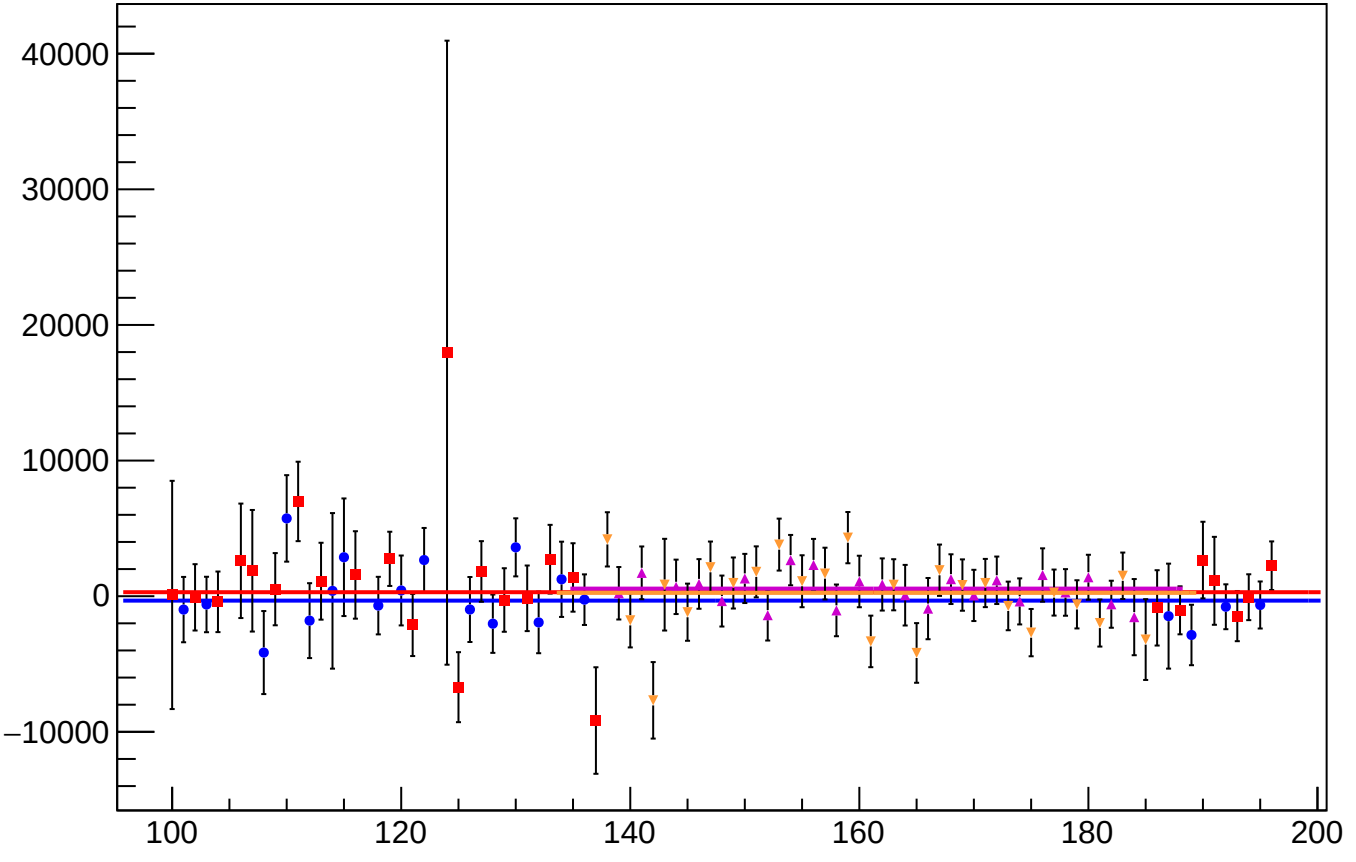
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1007.394+/-0.227 χ^2/NDF: 37975885.7/44

All: 897.983+/-0.155 χ^2/NDF: 83788587.9/93

- sign 803.135+/-0.211 χ^2/NDF: 45379044.7/48

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -325.841+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 295.043+/-493.071 χ^2/NDF: 27.7/25

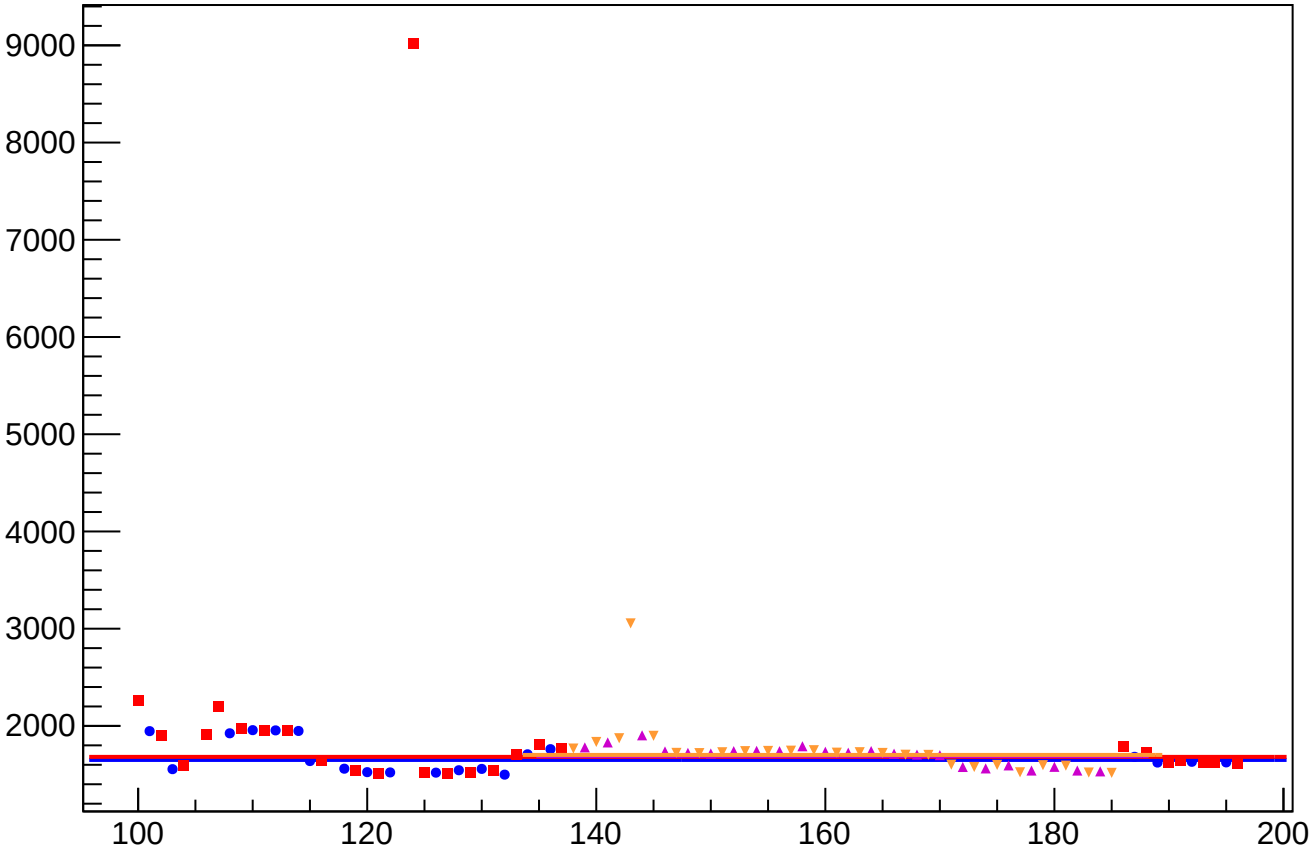
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

\+ sign 47.060+/-313.383 χ^2/NDF: 54.6/44

All: 255.040+/-219.787 χ^2/NDF: 90.8/93

\- sign 456.368+/-308.331 χ^2/NDF: 35.4/48

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1681.435+/-0.348 χ^2/NDF: 401393.5/25

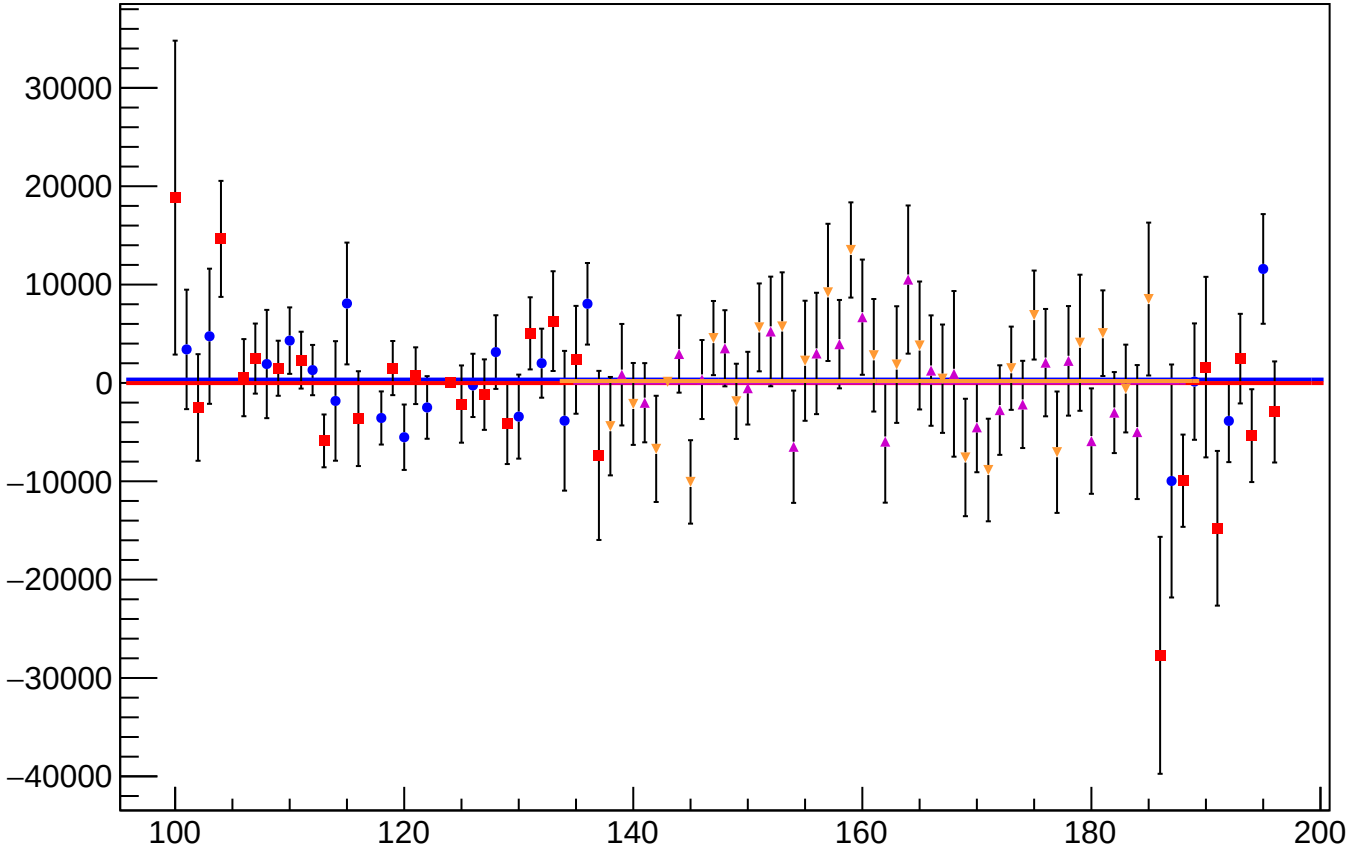
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.4/44

All: 1684.867+/-0.155 χ^2/NDF: 1134185.5/93

- sign 1686.190+/-0.218 χ^2/NDF: 524019.0/48

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 341.343+/-909.934 χ^2/NDF: 21.2/19

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -16.667+/-312.482 χ^2/NDF: 36.0/25

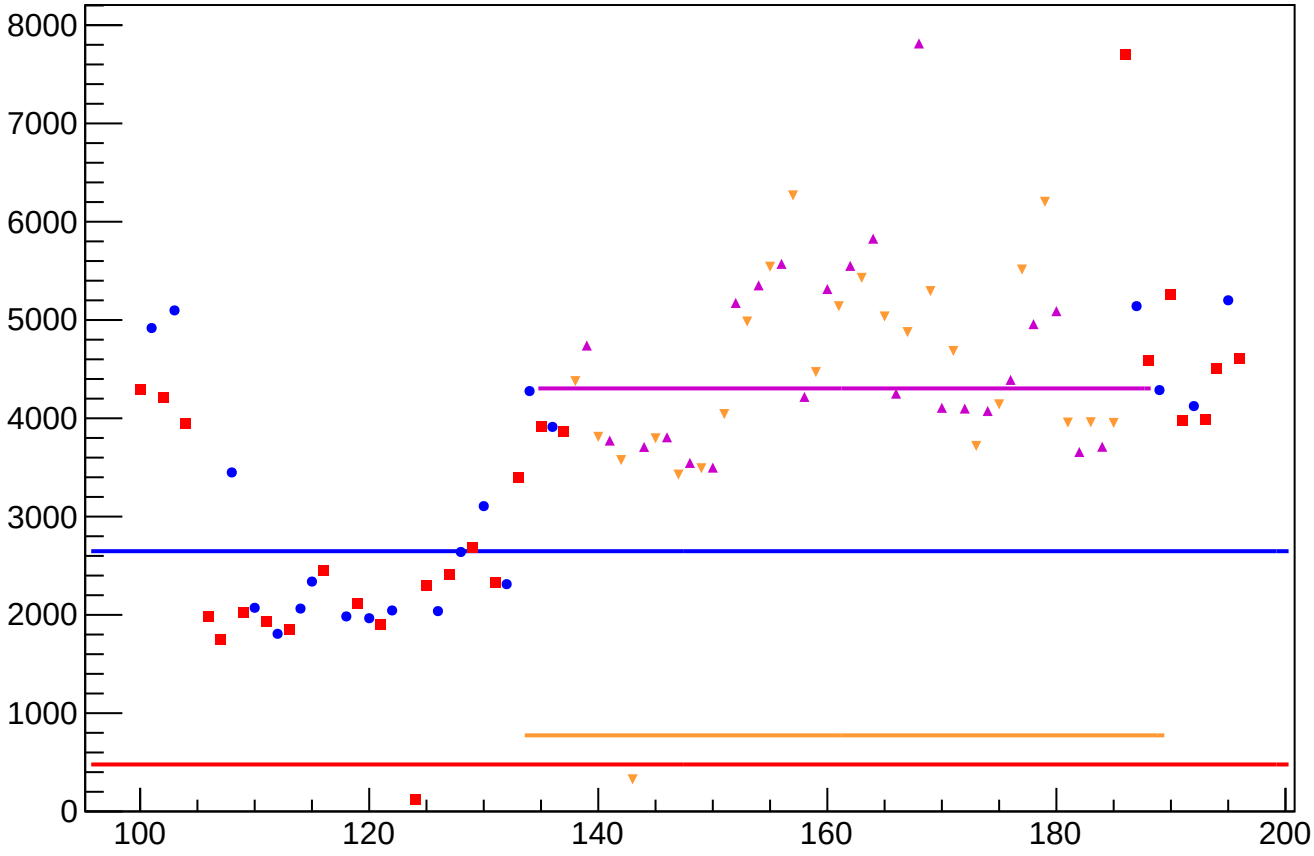
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 212.268+/-321.043 χ^2/NDF: 55.1/44

All: 91.707+/-218.769 χ^2/NDF: 104.6/93

- sign -12.806+/-298.913 χ^2/NDF: 49.2/48

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2647.918+/-0.643 χ^2/NDF: 2464196.1/19

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 478.068+/-0.221 χ^2/NDF: 18688968.3/25

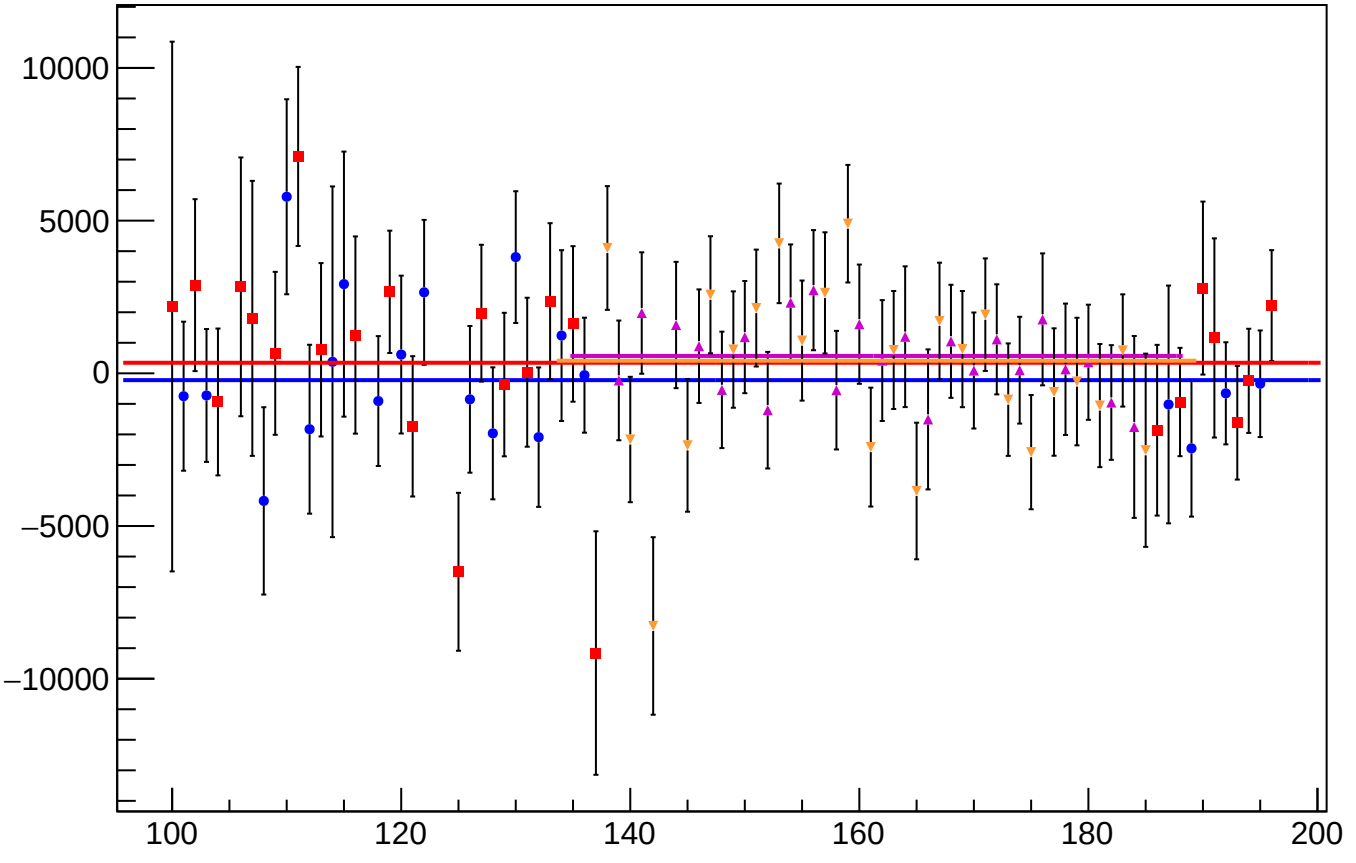
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1007.394+/-0.227 χ^2/NDF: 37975885.7/44

All: 897.983+/-0.155 χ^2/NDF: 83788587.9/93

- sign 803.135+/-0.211 χ^2/NDF: 45379044.7/48

dit_asym_atl_dd_mean vs Slug



Right In: -223.245+/-534.326 χ^2/NDF: 14.1/19

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 346.192+/-499.860 χ^2/NDF: 27.6/24

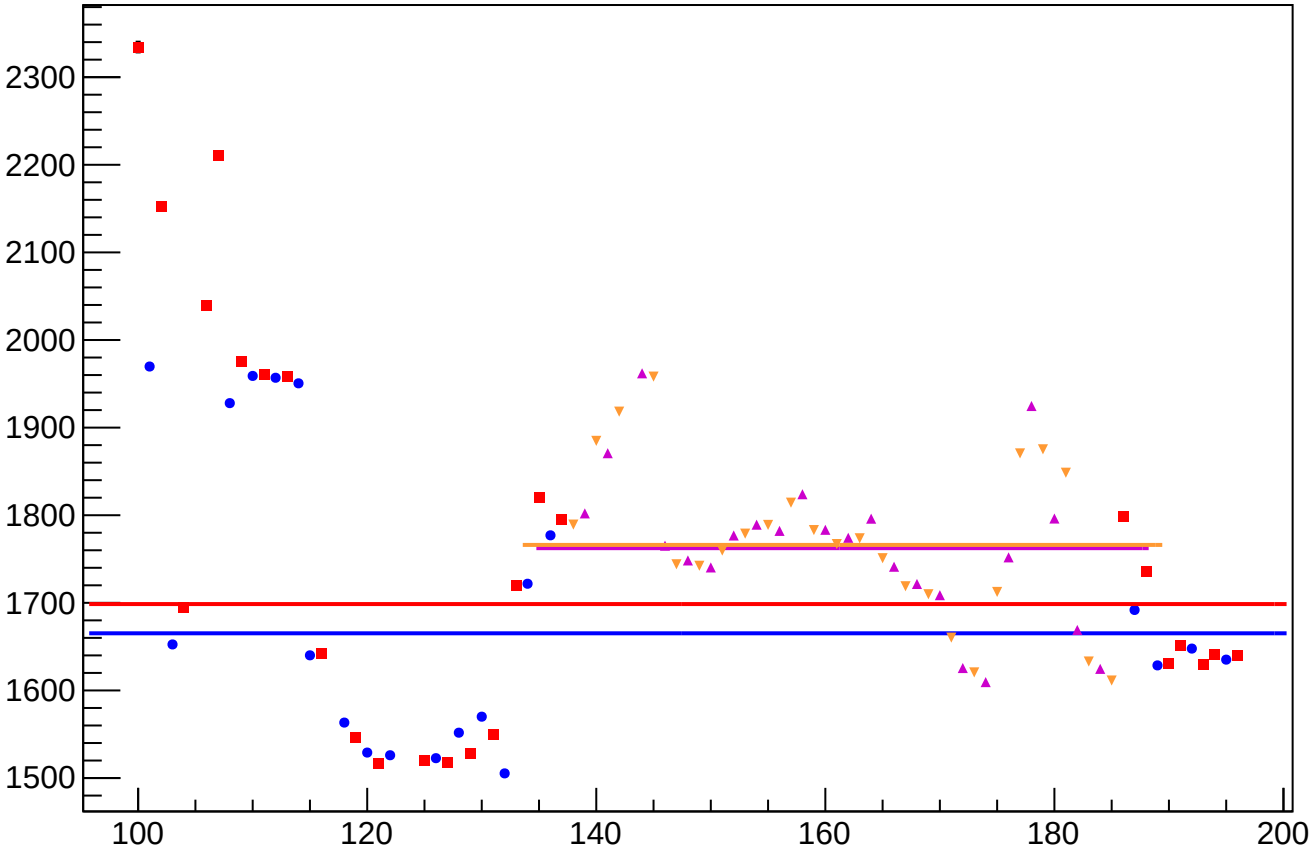
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 177.023+/-325.543 χ^2/NDF: 55.0/43

All: 331.445+/-227.461 χ^2/NDF: 90.9/91

- sign 478.747+/-317.950 χ^2/NDF: 35.5/47

dit_asym_atl_dd_rms vs Slug



Right In: 1665.230+/-0.378 χ^2/NDF: 142683.0/19

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1698.604+/-0.353 χ^2/NDF: 241550.1/24

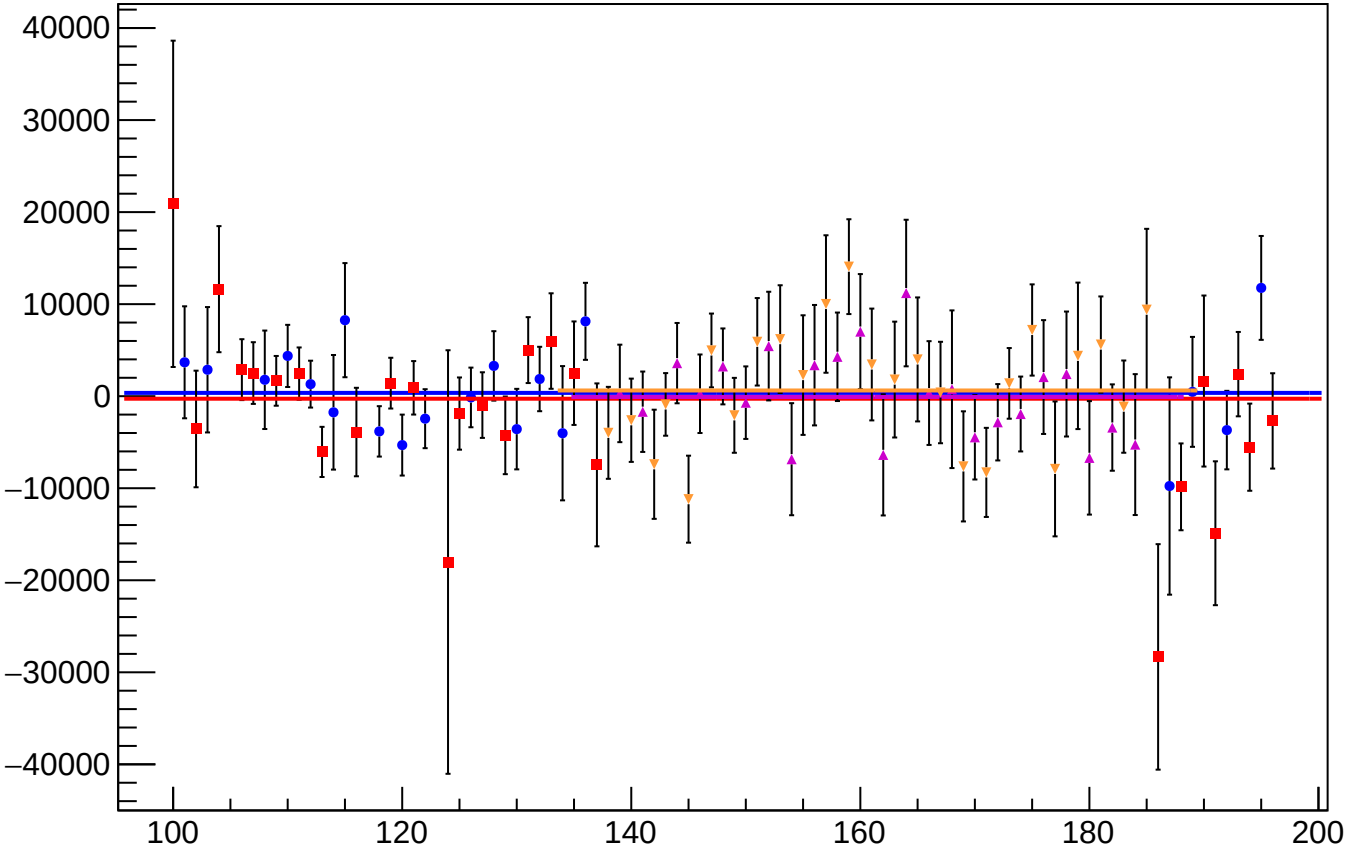
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1728.667+/-0.230 χ^2/NDF: 270767.3/43

All: 1732.703+/-0.161 χ^2/NDF: 612440.8/91

- sign 1736.549+/-0.225 χ^2/NDF: 341073.1/47

asym_atl_dd_dit_correction_mean vs Slug



Right In: 358.269+/-914.348 χ^2/NDF: 21.0/19

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -275.344+/-819.568 χ^2/NDF: 34.3/25

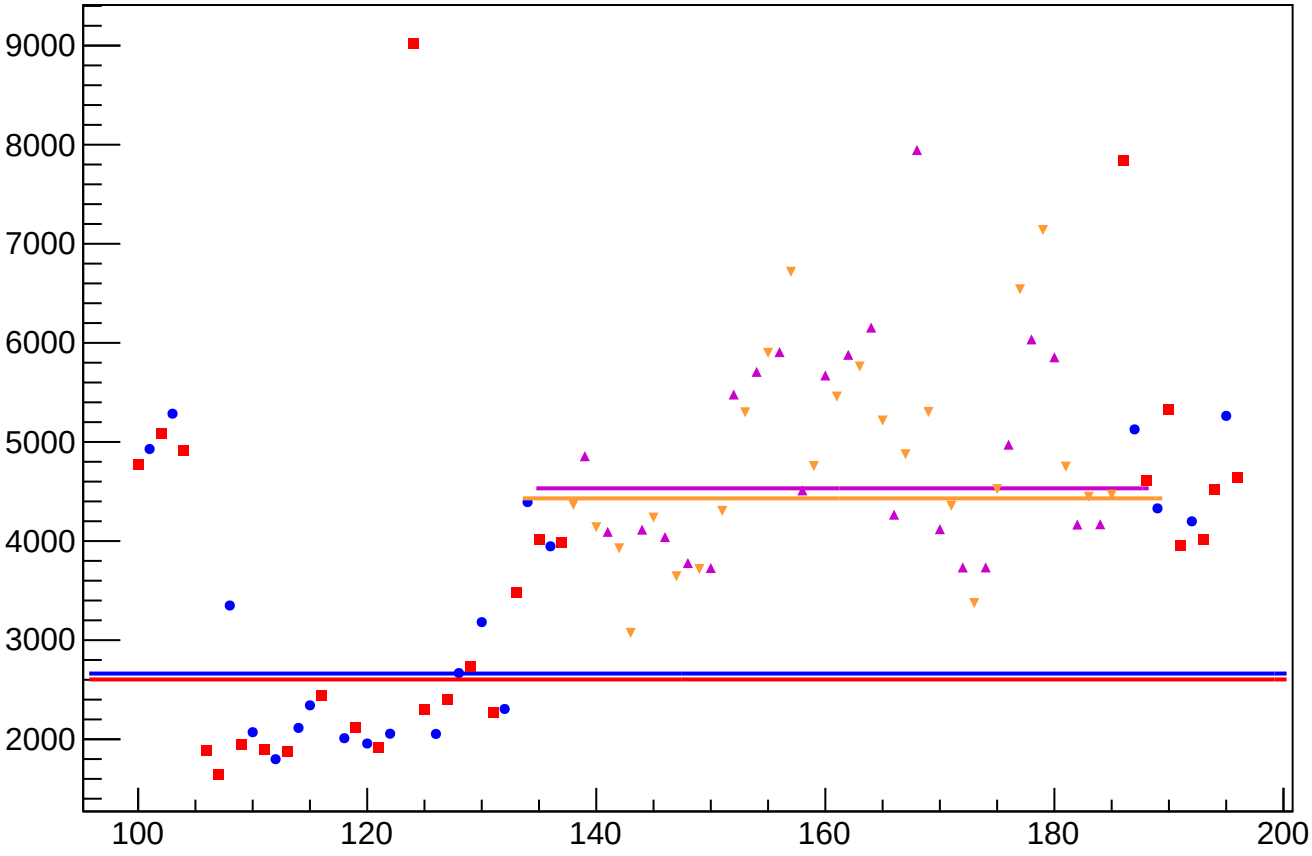
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 472.889+/-685.148 χ^2/NDF: 54.1/44

All: 117.269+/-472.857 χ^2/NDF: 101.8/93

- sign -206.177+/-653.420 χ^2/NDF: 47.2/48

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2663.038+/-0.647 χ^2/NDF: 2543035.4/19

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2603.410+/-0.580 χ^2/NDF: 3594178.4/25

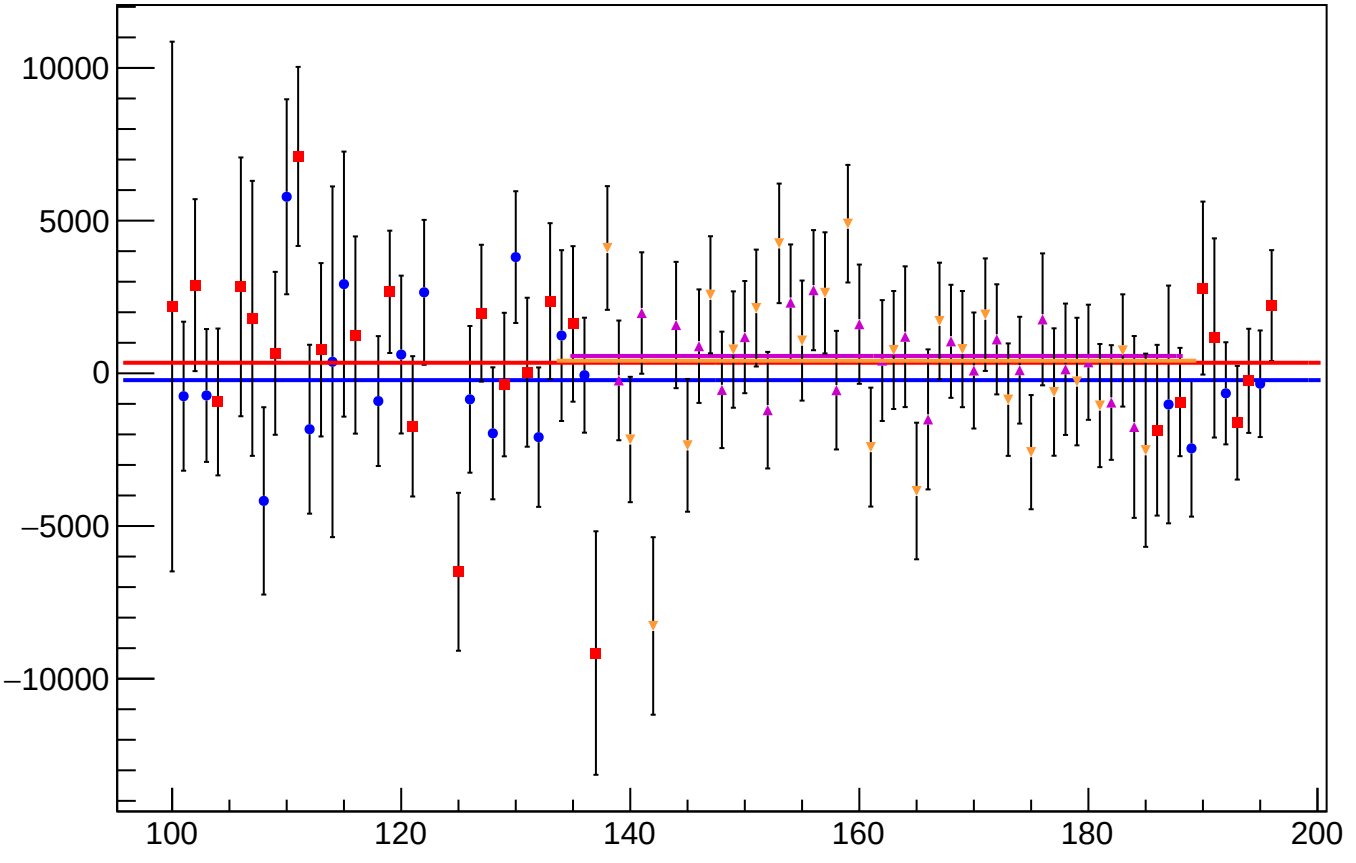
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3438.210+/-0.484 χ^2/NDF: 7434449.2/44

All: 3369.014+/-0.334 χ^2/NDF: 16479000.8/9

- sign 3306.078+/-0.462 χ^2/NDF: 9005597.9/48

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -223.244+/-534.326 χ^2/NDF: 14.1/19

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 346.194+/-499.860 χ^2/NDF: 27.6/24

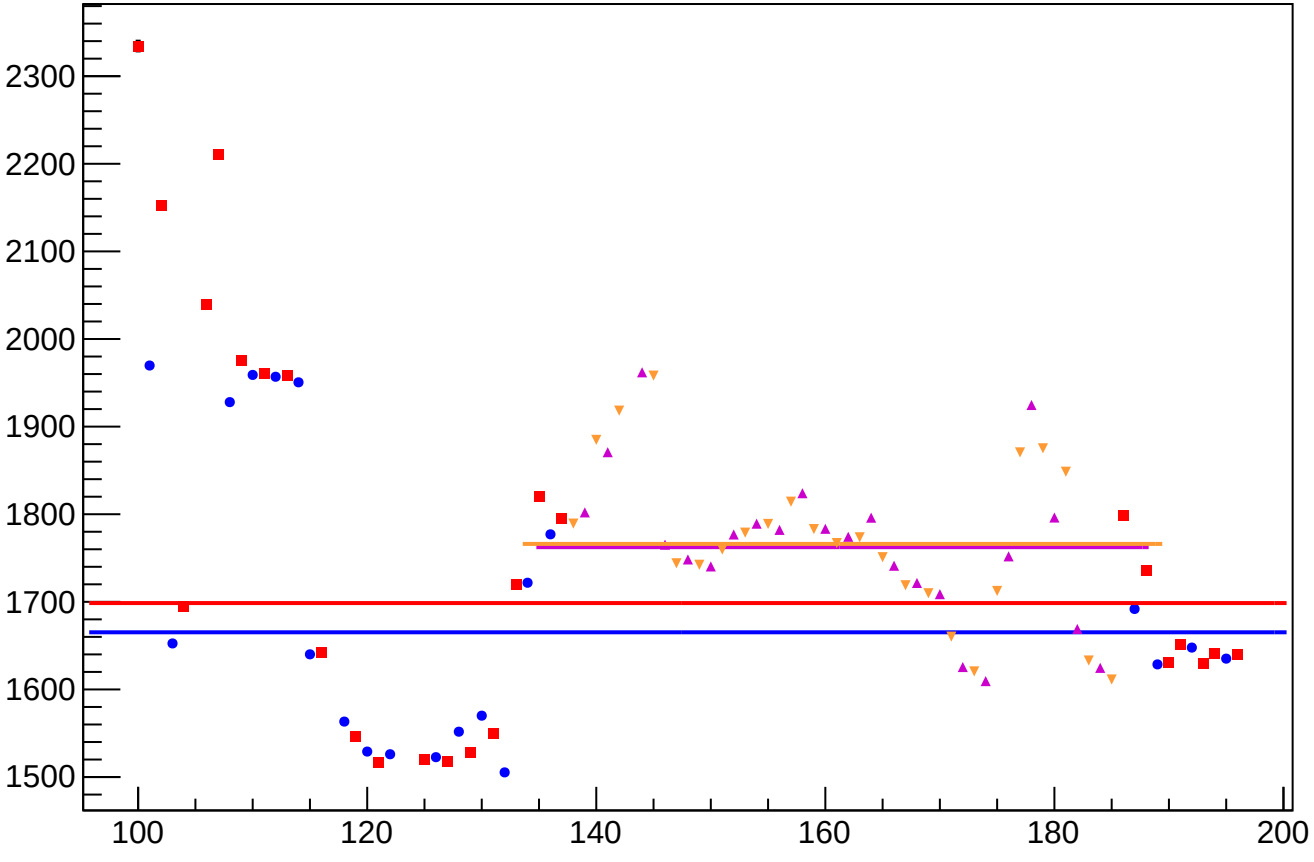
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 177.024+/-325.543 χ^2/NDF: 55.0/43

All: 331.446+/-227.462 χ^2/NDF: 90.9/91

- sign 478.748+/-317.950 χ^2/NDF: 35.5/47

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1665.230+/-0.378 χ^2/NDF: 142683.0/19

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1698.604+/-0.353 χ^2/NDF: 241549.3/24

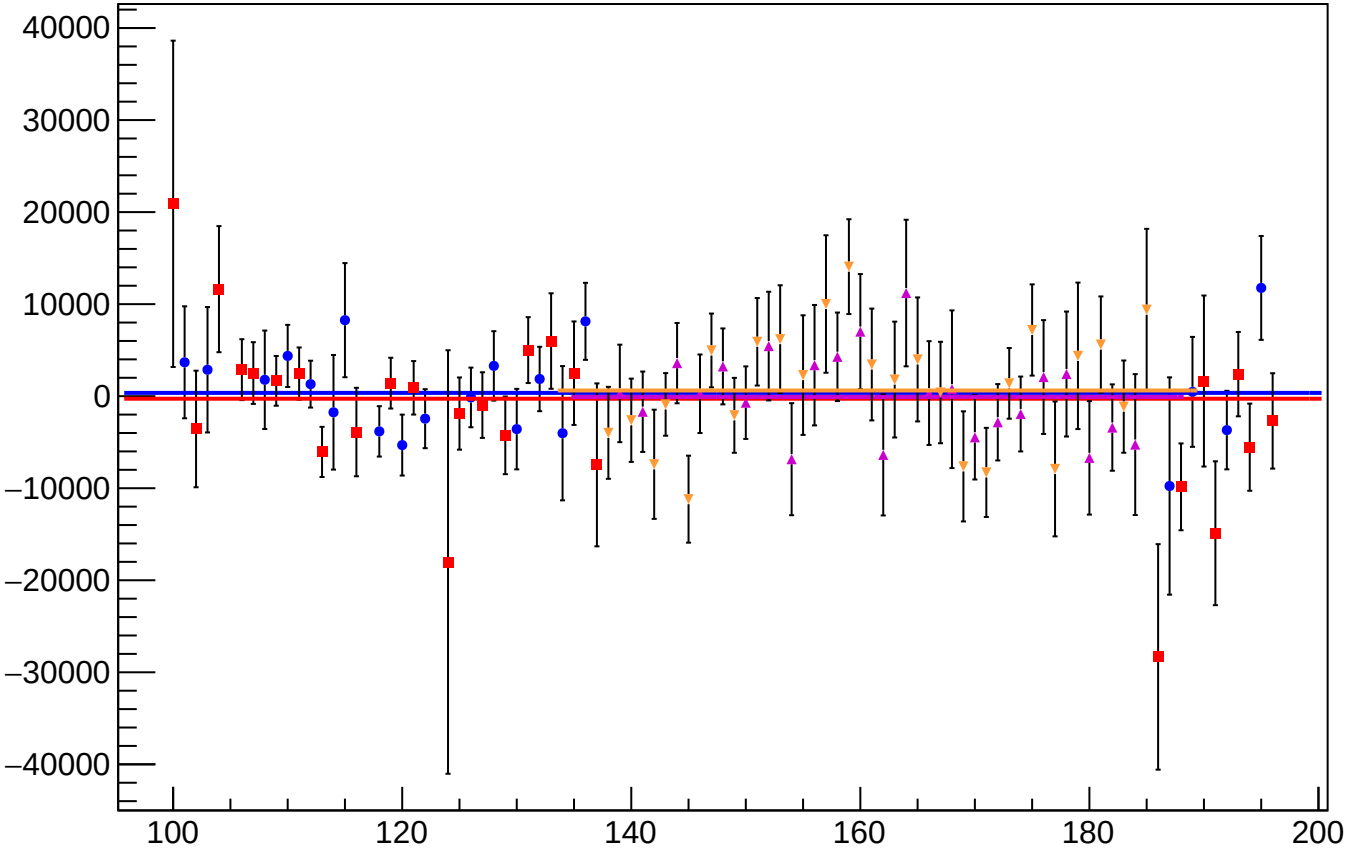
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1728.667+/-0.230 χ^2/NDF: 270771.3/43

All: 1732.704+/-0.161 χ^2/NDF: 612447.3/91

- sign 1736.549+/-0.225 χ^2/NDF: 341075.7/47

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 358.262+/-914.345 χ^2/NDF: 21.0/19

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -275.338+/-819.565 χ^2/NDF: 34.3/25

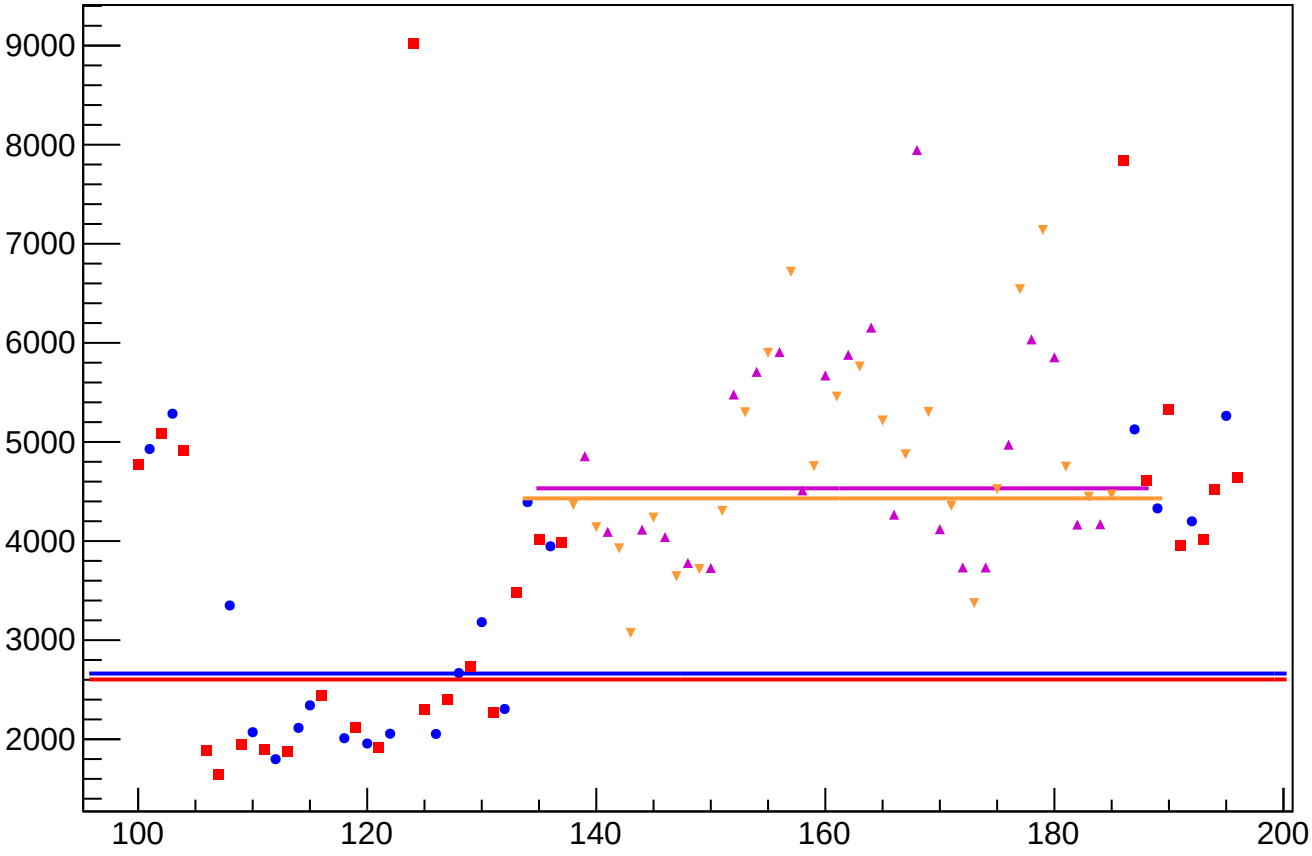
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 472.887+/-685.147 χ^2/NDF: 54.1/44

All: 117.270+/-472.856 χ^2/NDF: 101.8/93

- sign -206.174+/-653.419 χ^2/NDF: 47.2/48

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2663.027+/-0.647 χ^2/NDF: 2543065.0/19

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2603.401+/-0.580 χ^2/NDF: 3594207.6/25

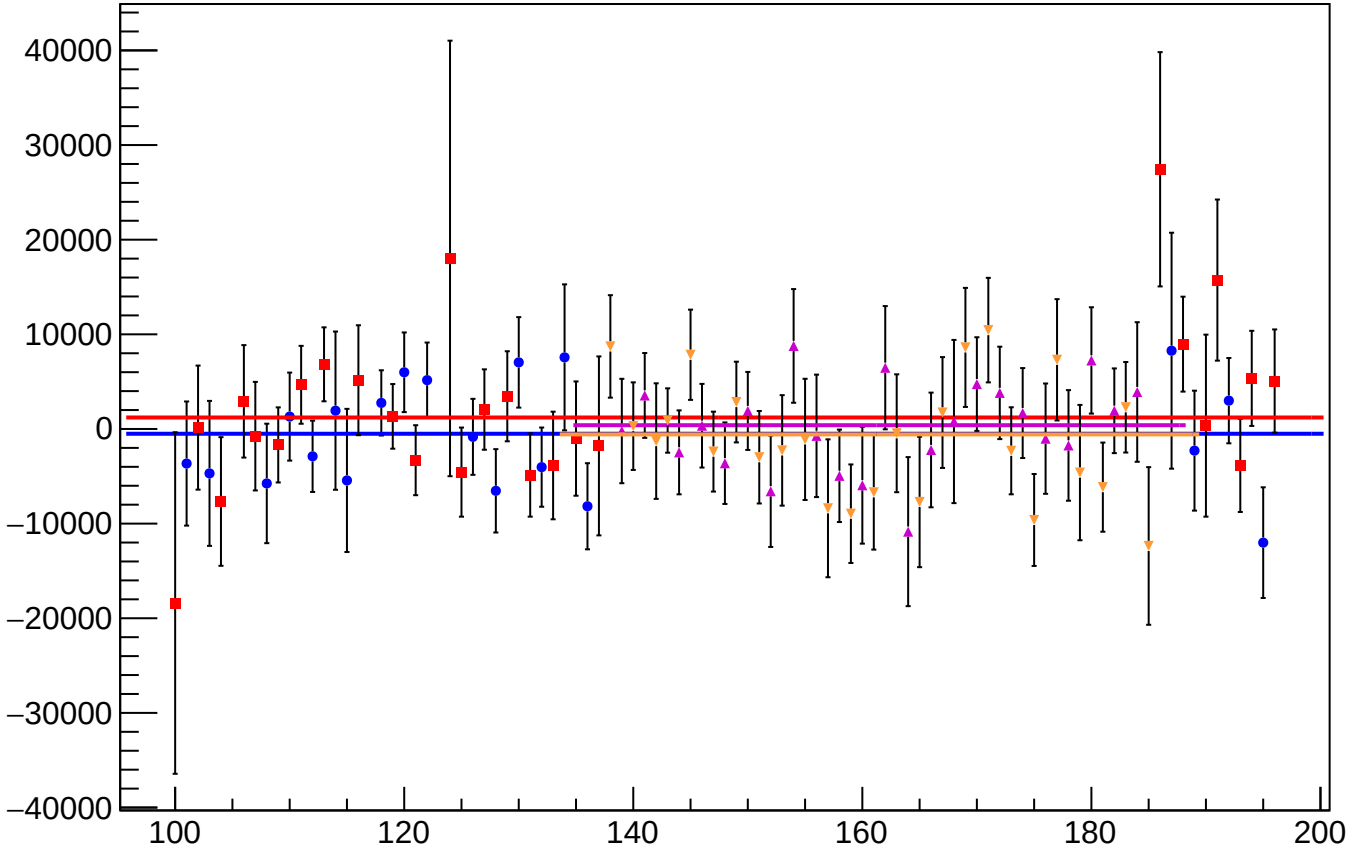
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3438.203+/-0.484 χ^2/NDF: 7434551.2/44

All: 3369.007+/-0.334 χ^2/NDF: 16479200.6/9

- sign 3306.071+/-0.462 χ^2/NDF: 9005695.9/48

asym_atl_dd_mean vs Slug



Right In: -505.597+/-1112.911 χ^2/NDF: 21.7/19

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1213.187+/-1033.246 χ^2/NDF: 25.6/25

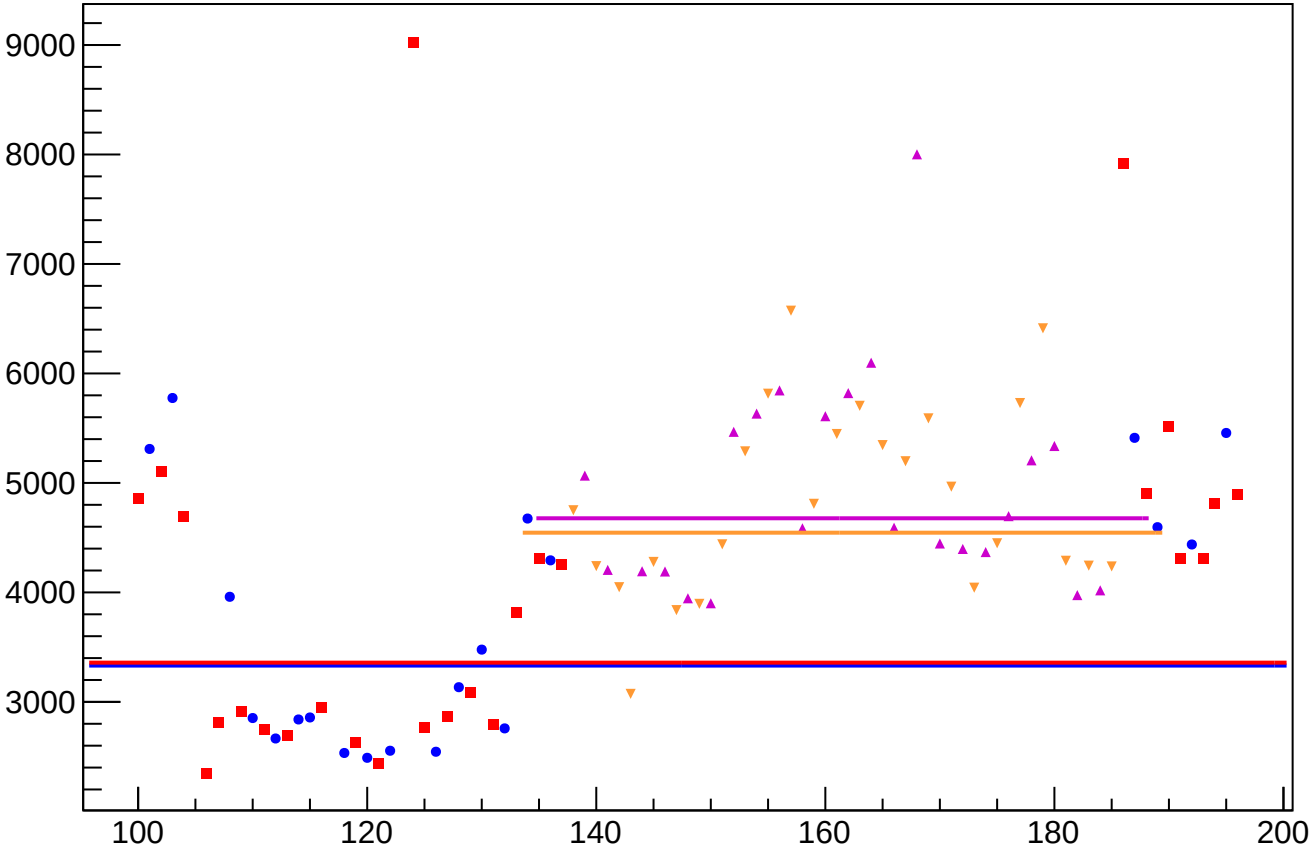
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -541.167+/-765.590 χ^2/NDF: 50.4/44

All: 155.341+/-537.979 χ^2/NDF: 92.0/93

- sign 834.751+/-756.134 χ^2/NDF: 39.9/48

asym_atl_dd_rms vs Slug



Right In: 3331.666+/-0.787 χ^2/NDF: 1558377.9/19

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

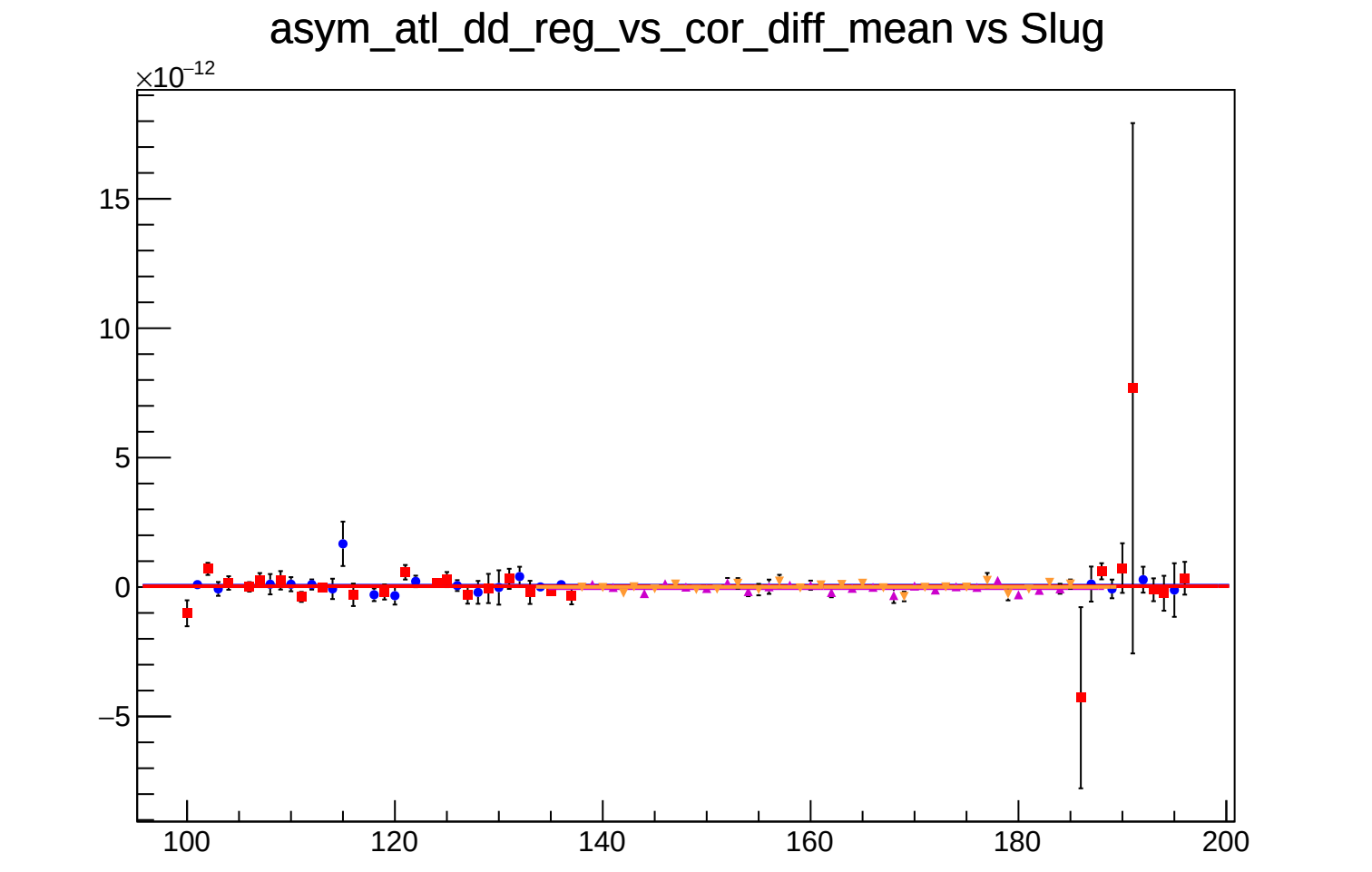
Right Out: 3358.427+/-0.723 χ^2/NDF: 1992388.2/25

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

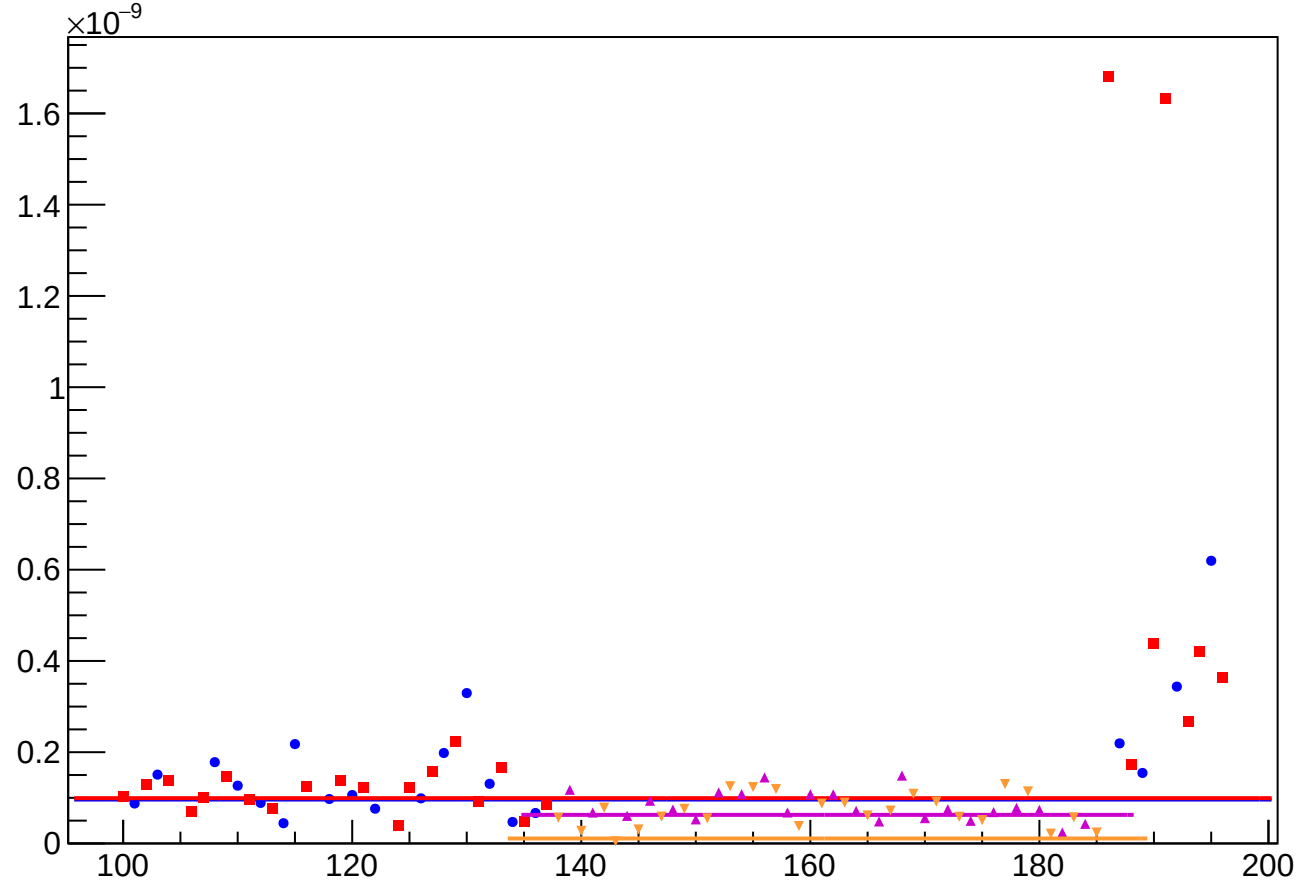
+ sign 3971.074+/-0.541 χ^2/NDF: 4070178.8/44

All: 3967.327+/-0.379 χ^2/NDF: 8550808.0/93

- 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: 9.7/19
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: 28.7/44
All: 0.000+/-0.000 χ²/NDF: 89.6/93
- sign -0.000+/-0.000 χ²/NDF: 58.9/48

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2098677.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994798.5/25

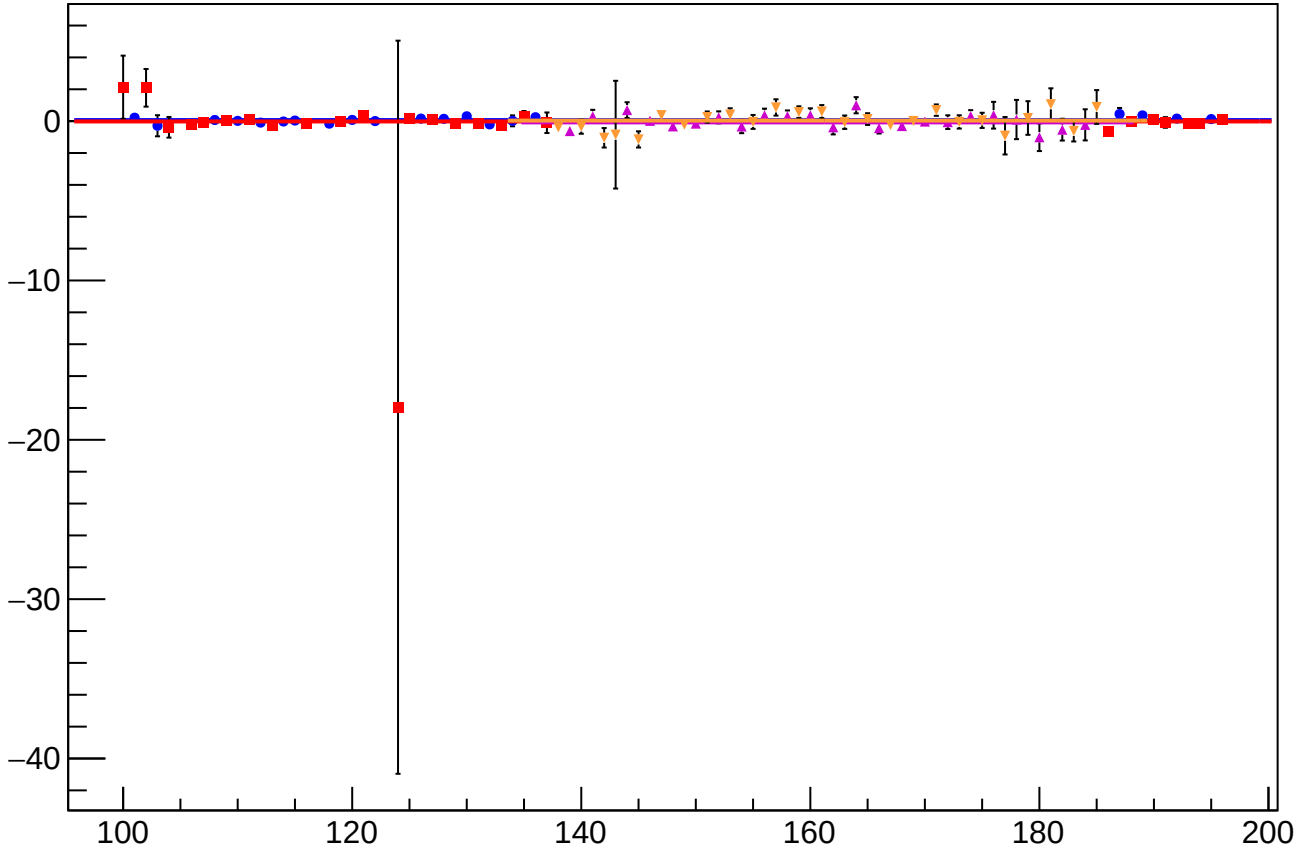
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16481835.1/44

All: 0.000+/-0.000 χ^2/NDF: 32738446.7/93

- sign 0.000+/-0.000 χ^2/NDF: 5831525.4/48

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.018+/-0.036 χ^2/NDF: 29.5/25

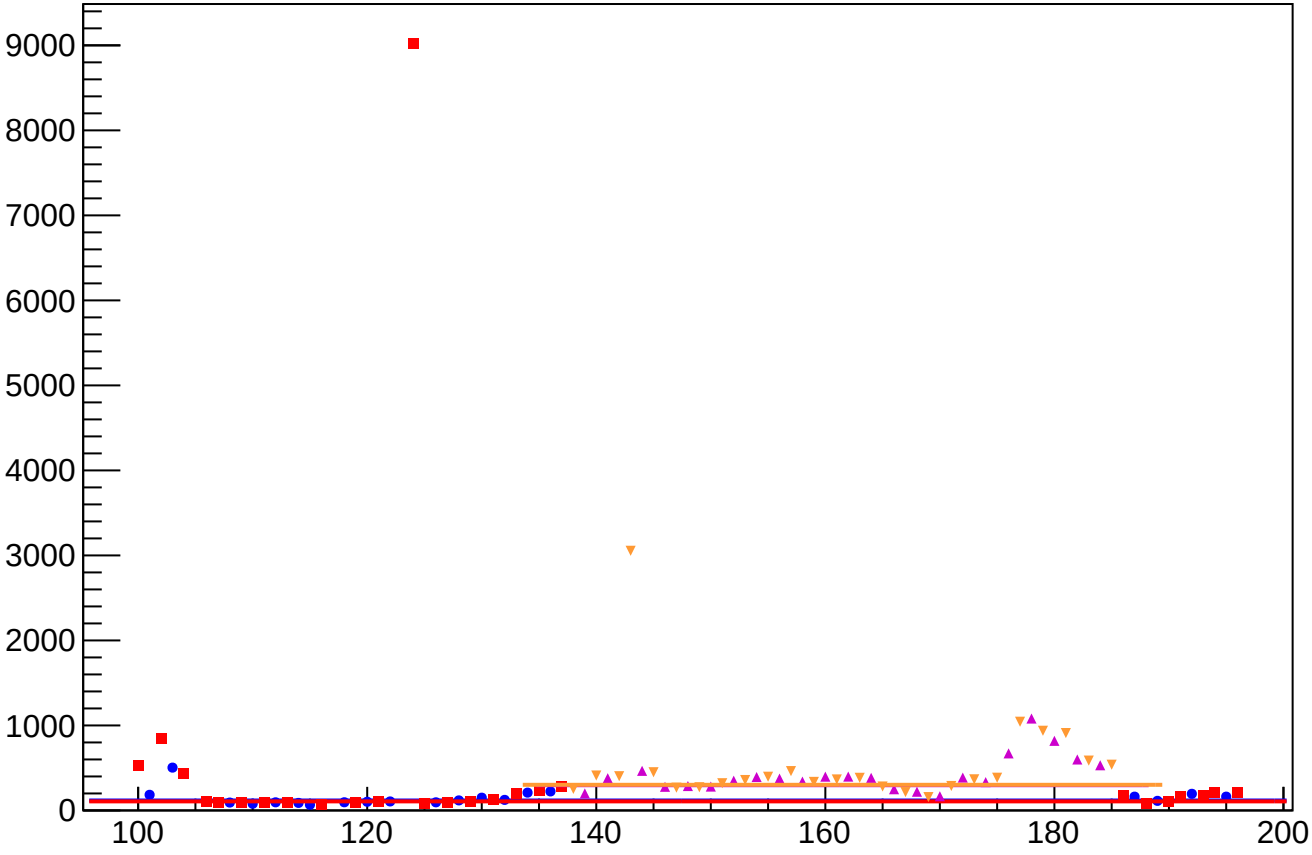
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.010+/-0.024 χ^2/NDF: 101.5/93

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.041+/-0.029 χ^2/NDF: 2430019.3/19

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 106.807+/-0.025 χ^2/NDF: 4071129.6/25

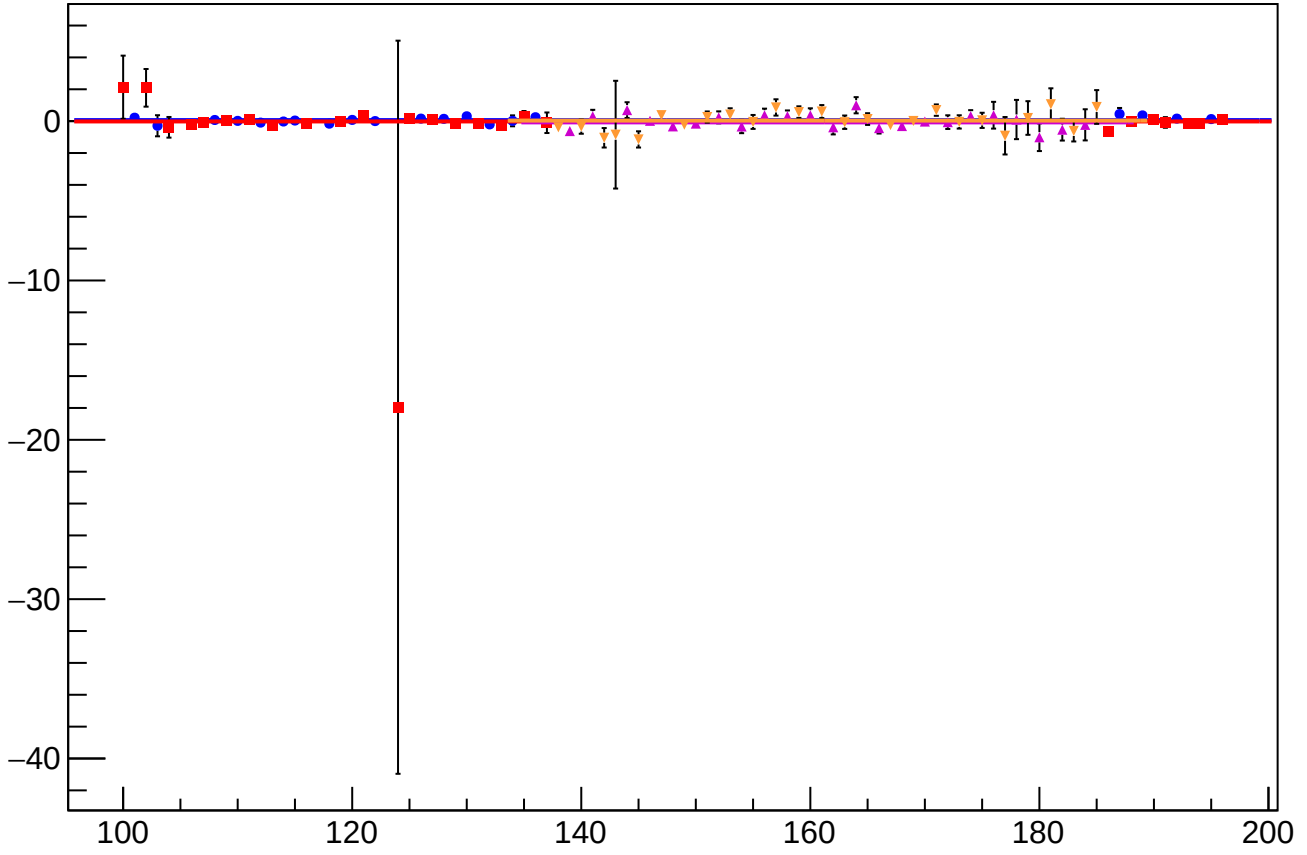
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.258+/-0.026 χ^2/NDF: 18078102.4/44

All: 148.675+/-0.017 χ^2/NDF: 37634776.3/93

- sign 141.154+/-0.023 χ^2/NDF: 19308480.6/48

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.018+/-0.036 χ^2/NDF: 29.5/25

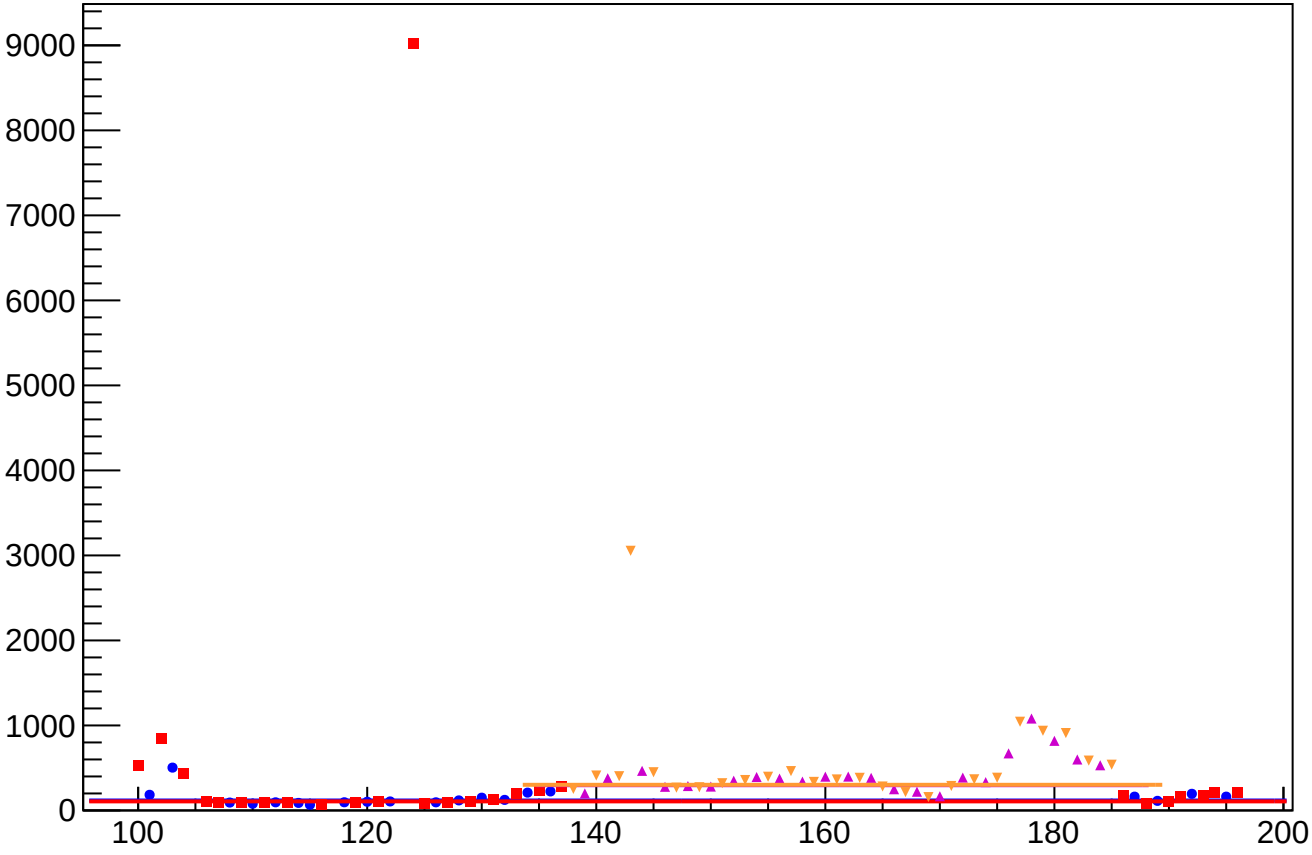
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.010+/-0.024 χ^2/NDF: 101.5/93

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.041+/-0.029 χ^2/NDF: 2430019.3/19

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

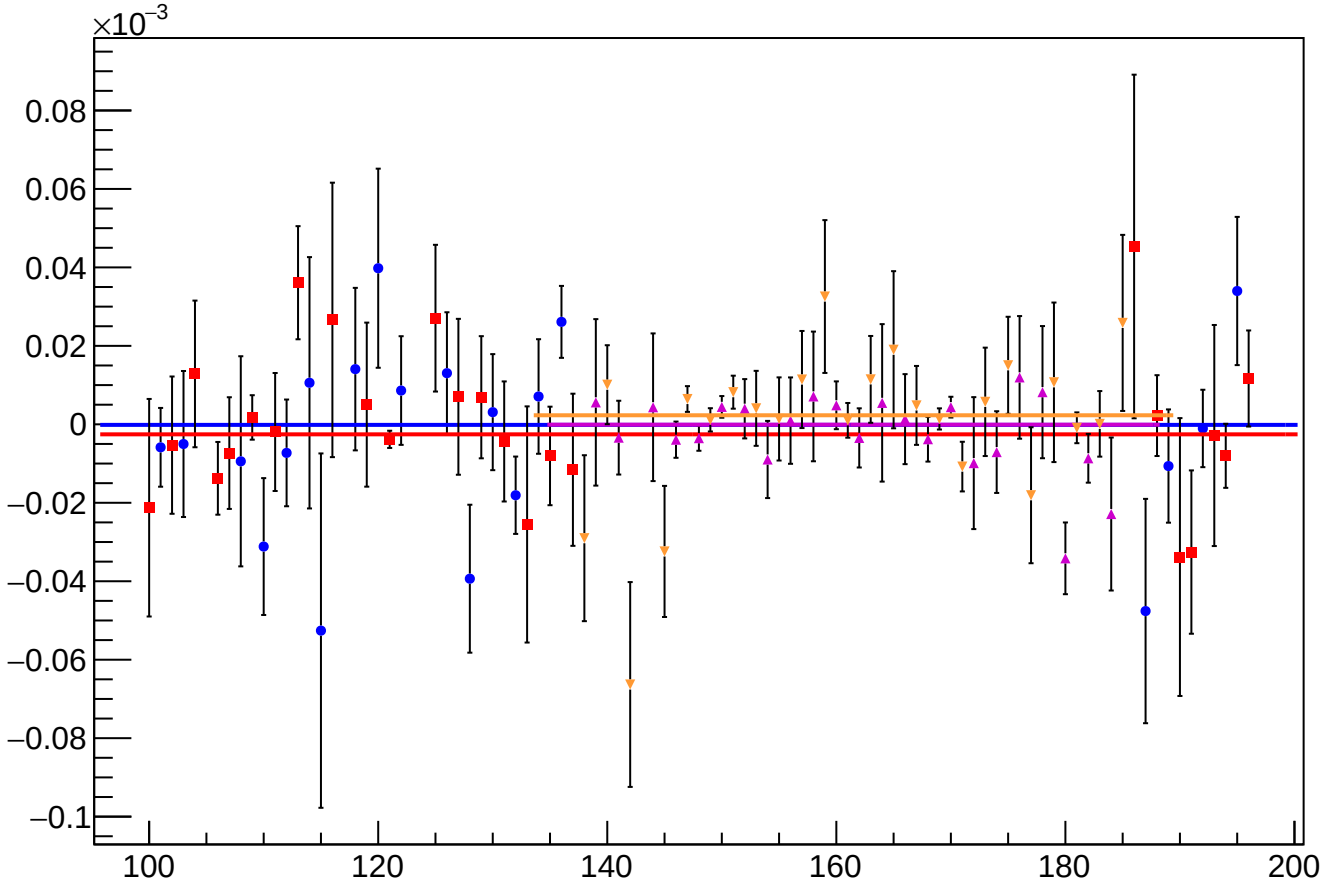
Right Out: 106.807+/-0.025 χ^2/NDF: 4071129.6/25

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.258+/-0.026 χ^2/NDF: 18078102.4/44

All: 148.675+/-0.017 χ^2/NDF: 37634776.3/93

- sign 141.154+/-0.023 χ^2/NDF: 19308480.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/24

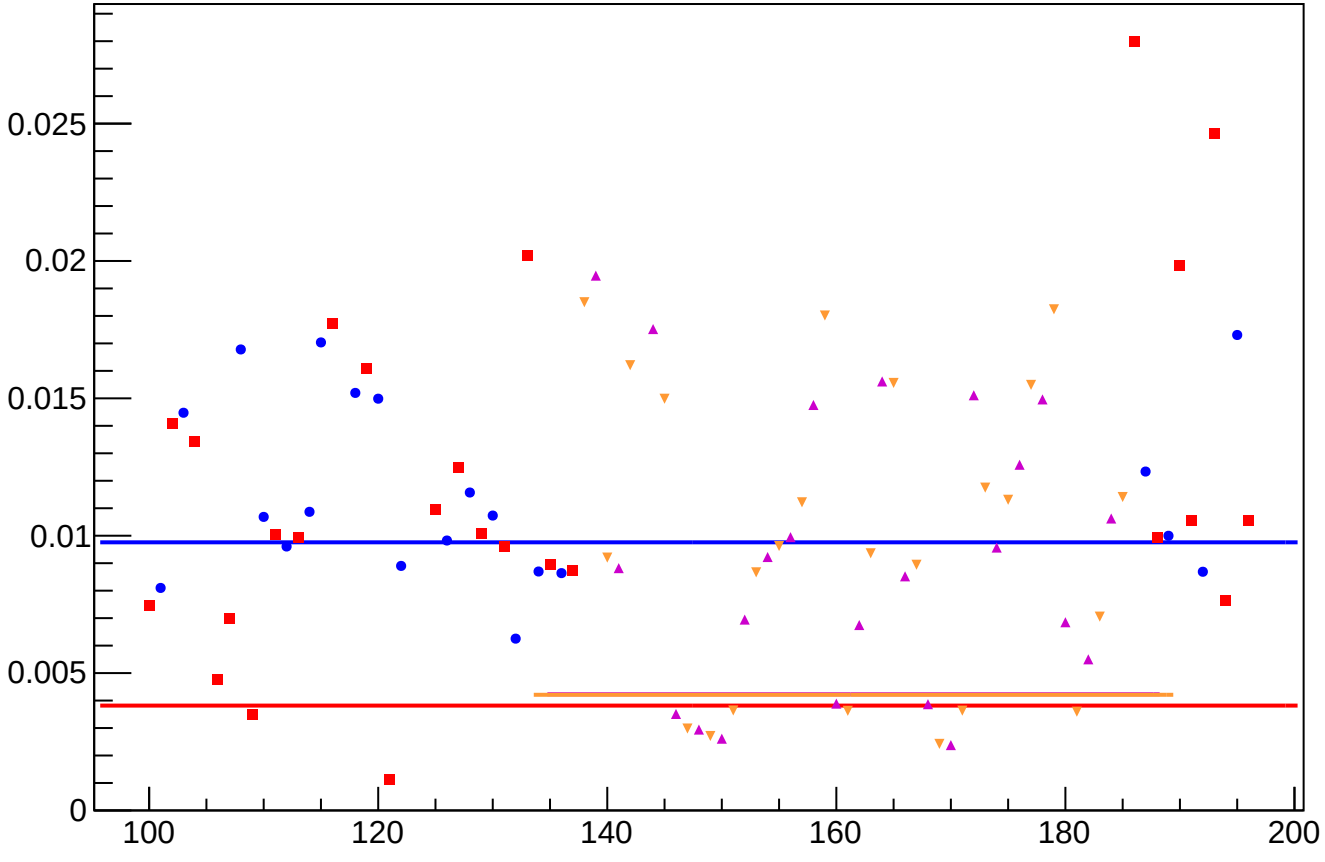
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/43

All: 0.000+/-0.000 χ^2/NDF: 119.7/91

- sign -0.000+/-0.000 χ^2/NDF: 52.2/47

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1291382.0/19

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 12531230.9/24

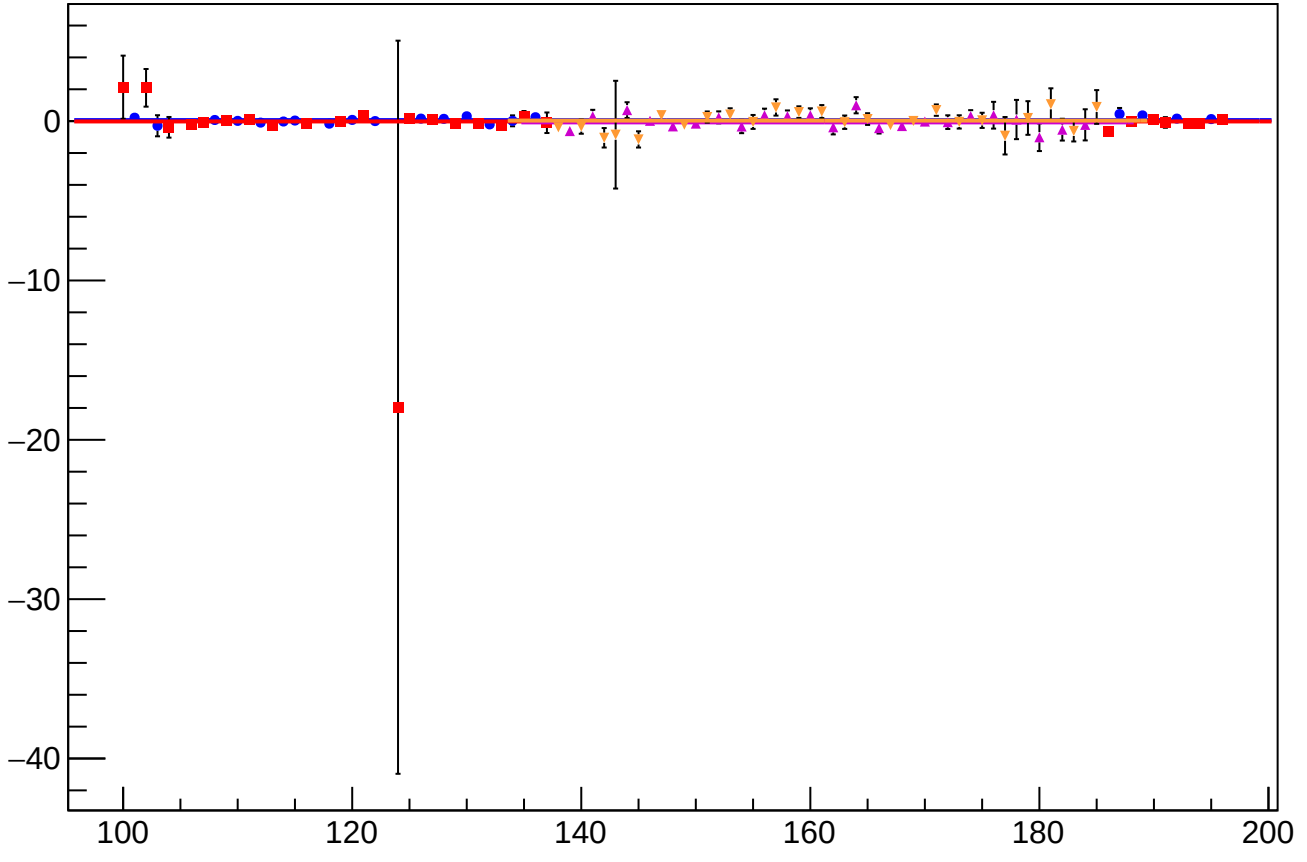
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 18276626.3/43

All: 0.004+/-0.000 χ^2/NDF: 42465969.8/91

- sign 0.004+/-0.000 χ^2/NDF: 23639412.2/47

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.036 χ^2/NDF: 29.5/25

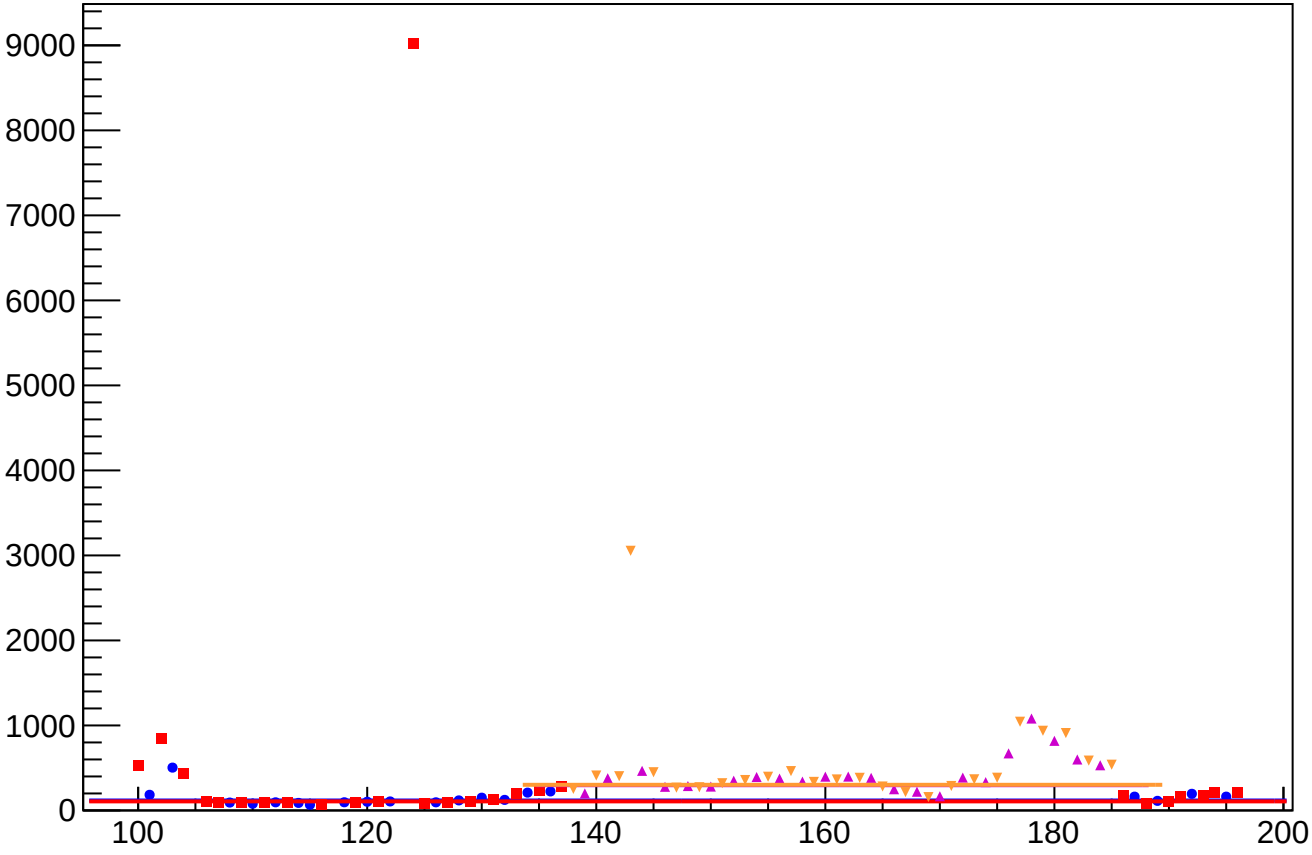
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.010+/-0.024 χ^2/NDF: 101.5/93

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.041+/-0.029 χ^2/NDF: 2429954.4/19

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

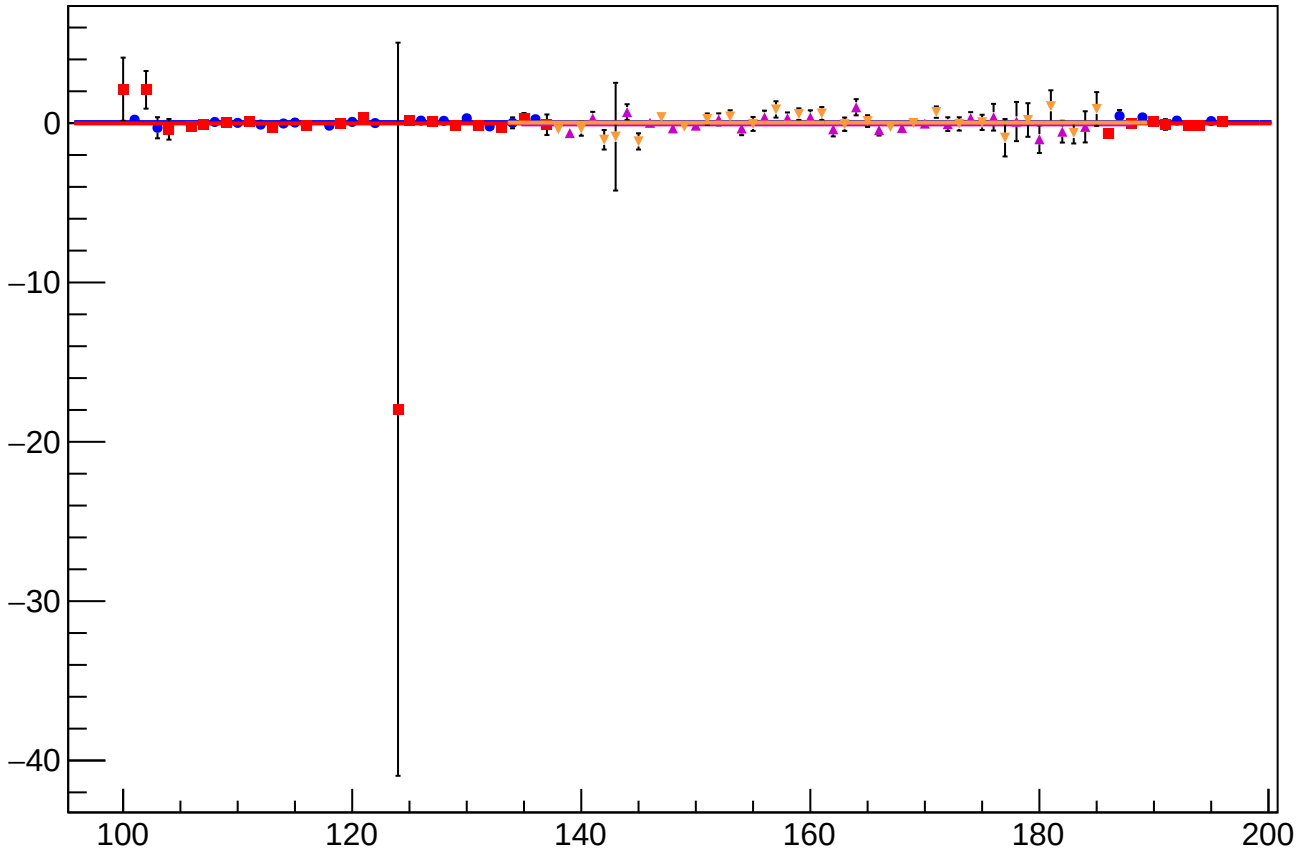
Right Out: 106.807+/-0.025 χ^2/NDF: 4070981.1/25

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.259+/-0.026 χ^2/NDF: 18078142.6/44

All: 148.676+/-0.017 χ^2/NDF: 37634710.9/93

- sign 141.155+/-0.023 χ^2/NDF: 19308388.1/48



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

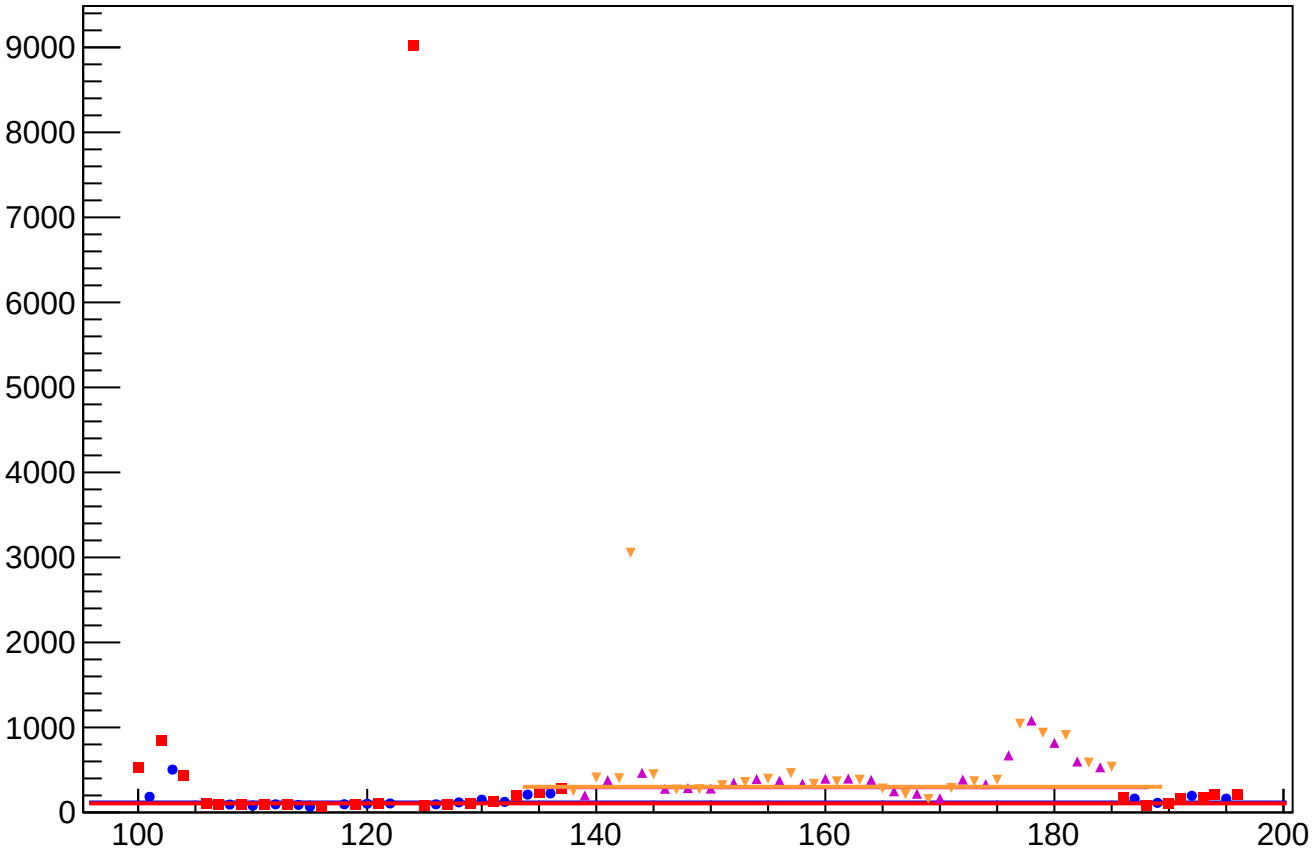
Right Out: -0.019+/-0.036 χ^2/NDF: 29.5/25

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.010+/-0.024 χ^2/NDF: 101.5/93

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48



Right In: 117.041+/-0.029 χ^2/NDF: 2429954.4/19

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

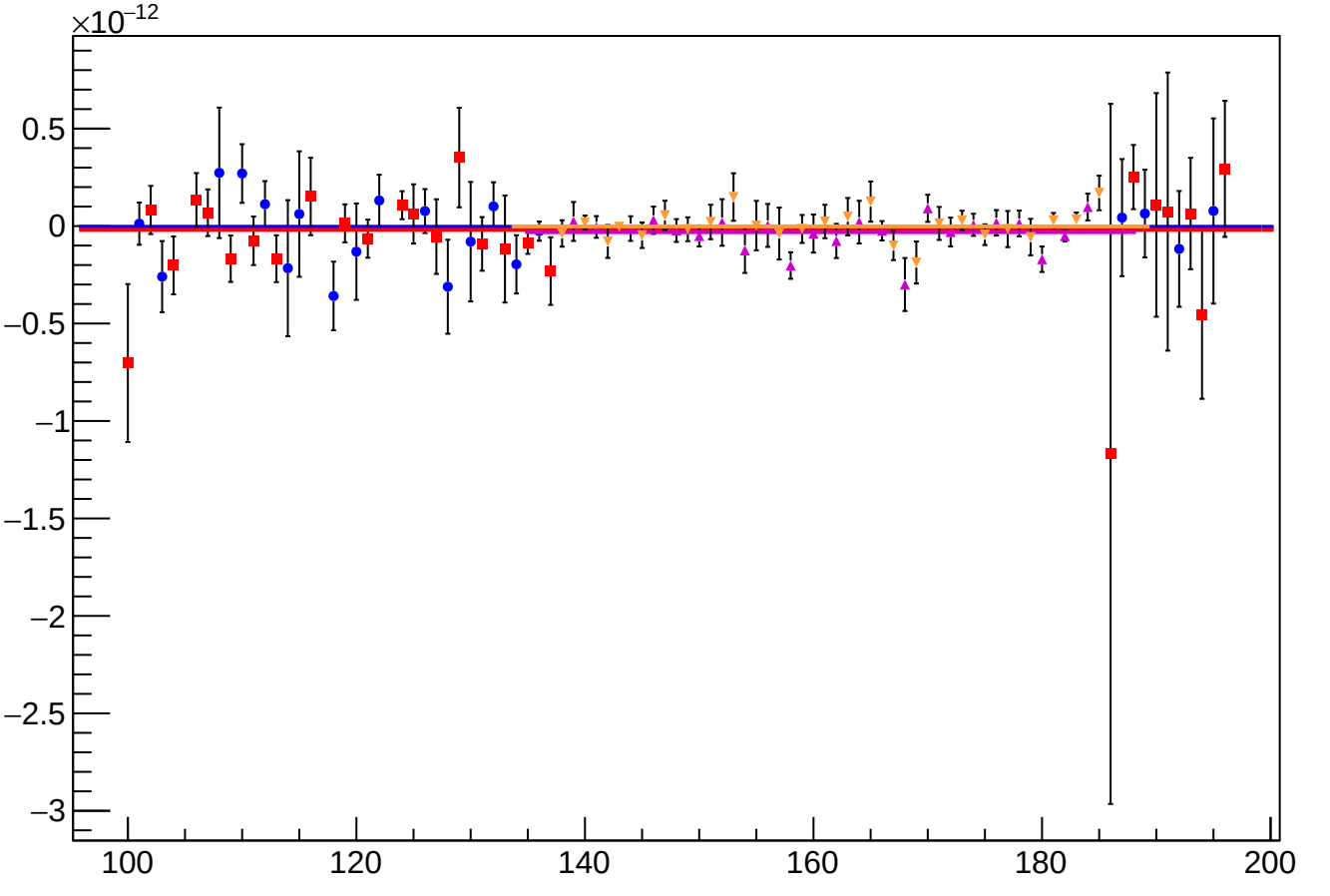
Right Out: 106.807+/-0.025 χ^2/NDF: 4070981.1/25

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.259+/-0.026 χ^2/NDF: 18078142.6/44

All: 148.676+/-0.017 χ^2/NDF: 37634710.9/93

- sign 141.155+/-0.023 χ^2/NDF: 19308388.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

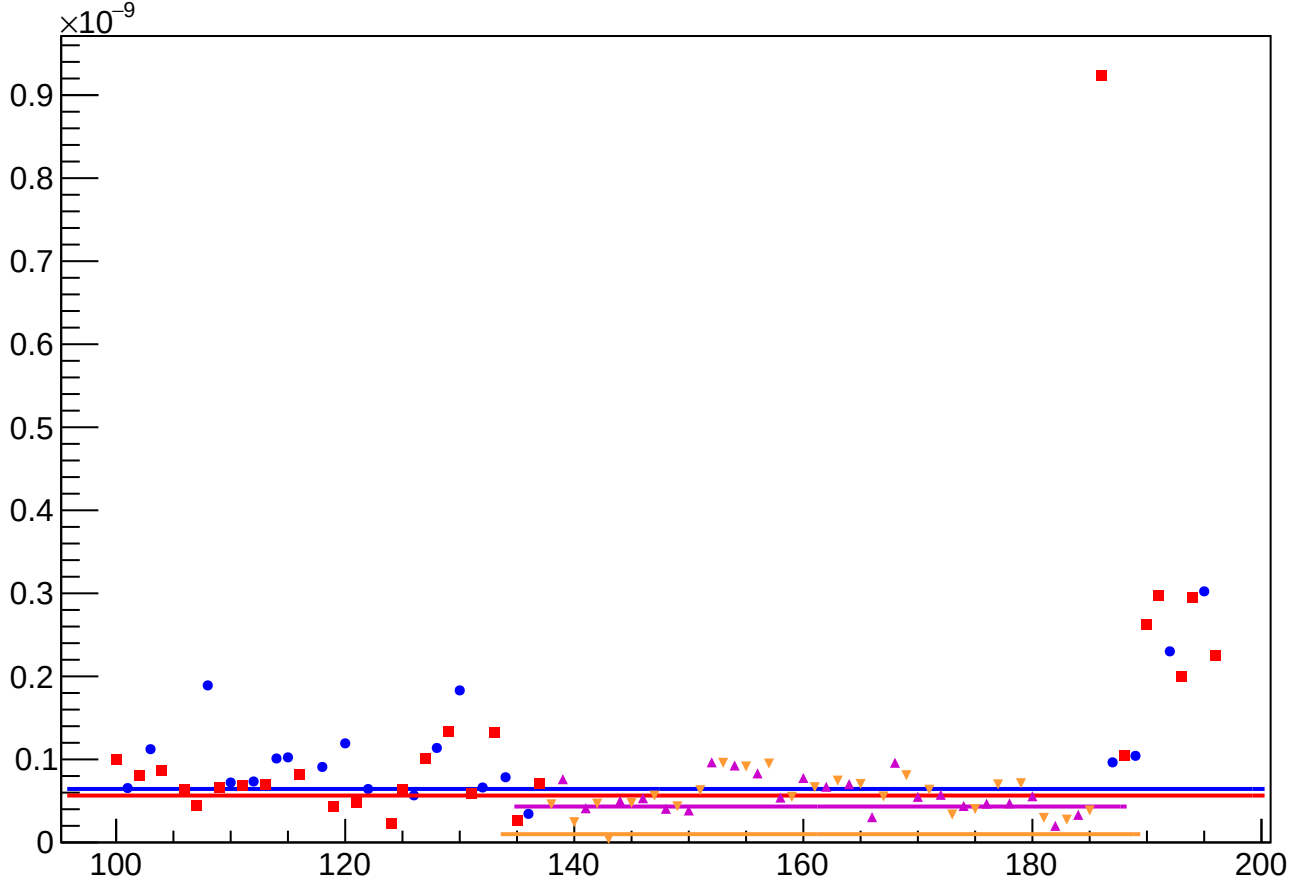
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/44

All: -0.000+/-0.000 χ^2/NDF: 91.2/93

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2988858.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4443137.4/25

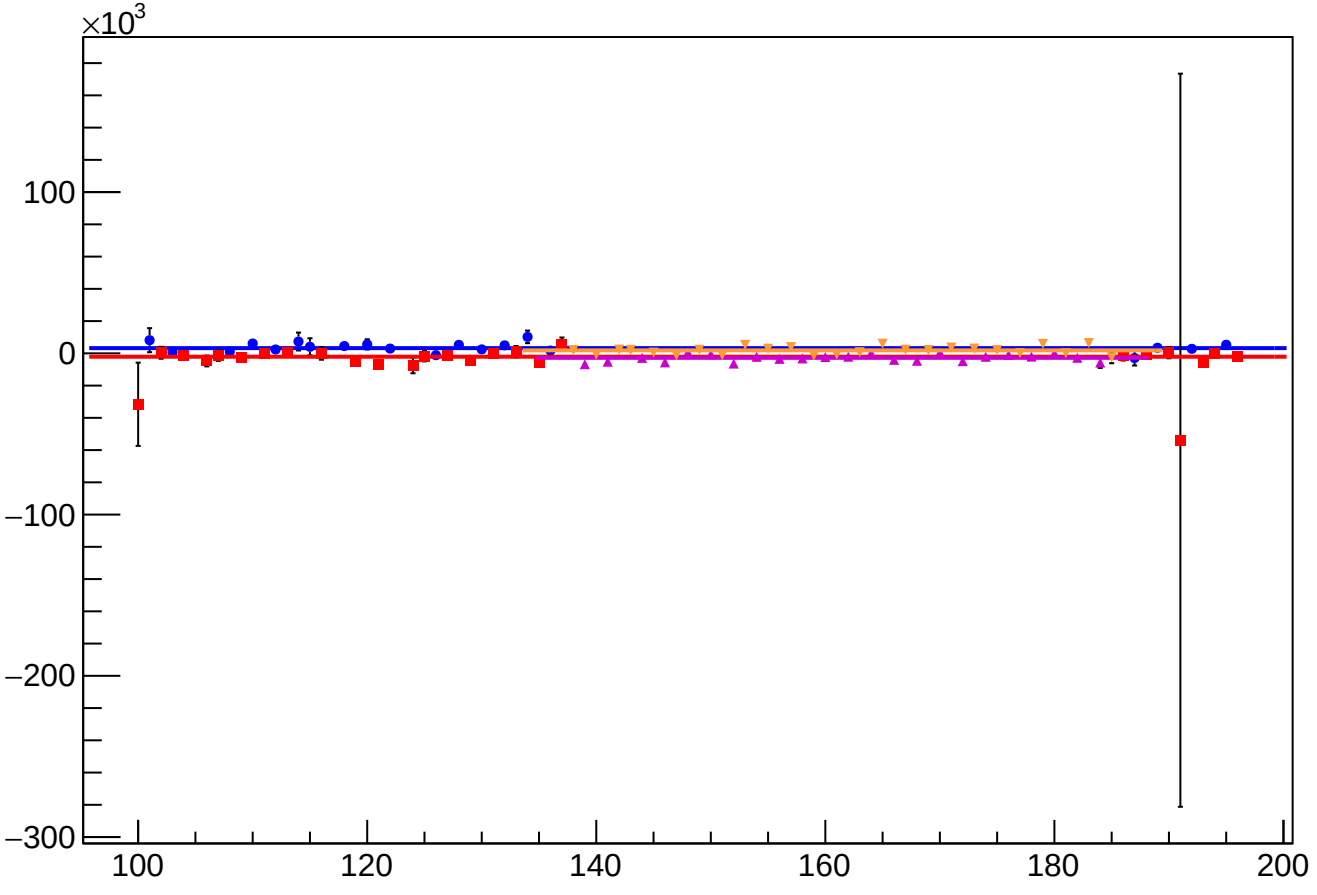
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 27503110.1/44

All: 0.000+/-0.000 χ^2/NDF: 50631384.6/93

- sign 0.000+/-0.000 χ^2/NDF: 8891642.3/48

reg_asym_atr_avg_mean vs Slug



Right In: 3235.308+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2095.407+/-575.397 χ^2/NDF: 20.8/25

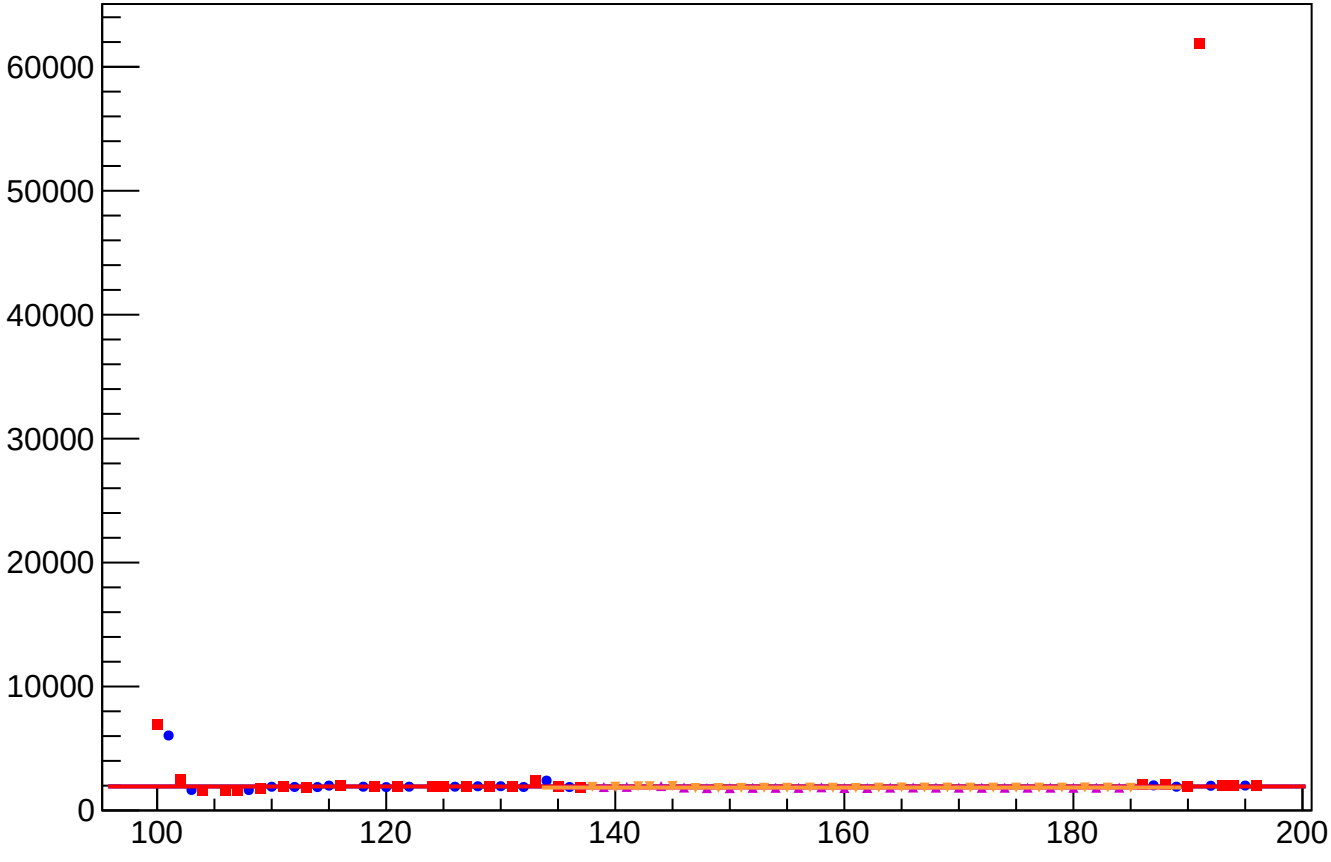
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2278.138+/-349.374 χ^2/NDF: 49.3/44

All: -157.653+/-245.444 χ^2/NDF: 192.4/93

- sign -2531.332+/-344.891 χ^2/NDF: 47.1/48

reg_asym_atr_avg_rms vs Slug



Right In: 1936.067+/-0.445 χ^2/NDF: 702898.3/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1934.999+/-0.406 χ^2/NDF: 400939.8/25

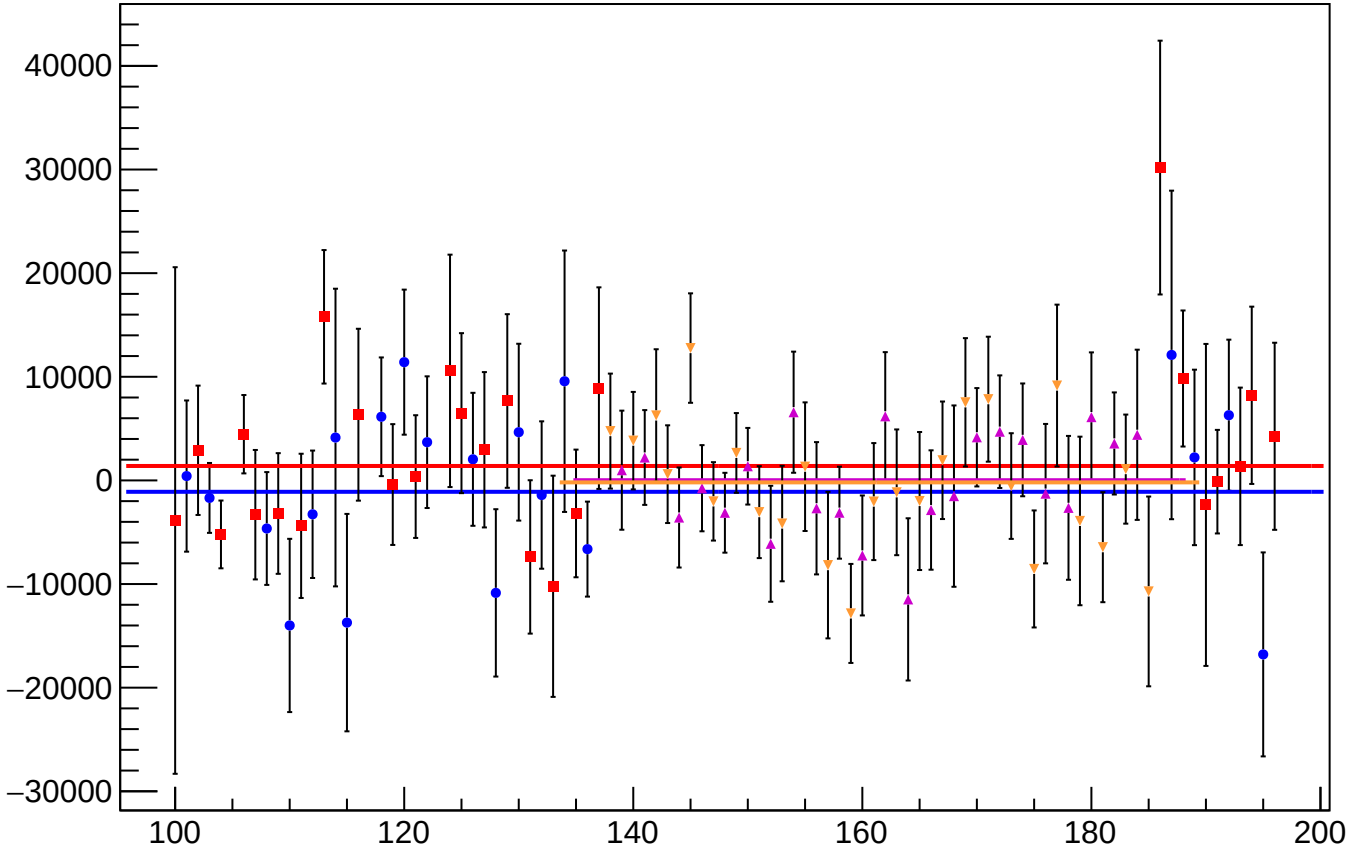
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750552.6/44

All: 1876.493+/-0.173 χ^2/NDF: 1196949.9/93

- sign 1877.468+/-0.244 χ^2/NDF: 446364.8/48

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1099.427+/-1499.218 χ^2/NDF: 18.7/19

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1393.262+/-1289.620 χ^2/NDF: 25.7/25

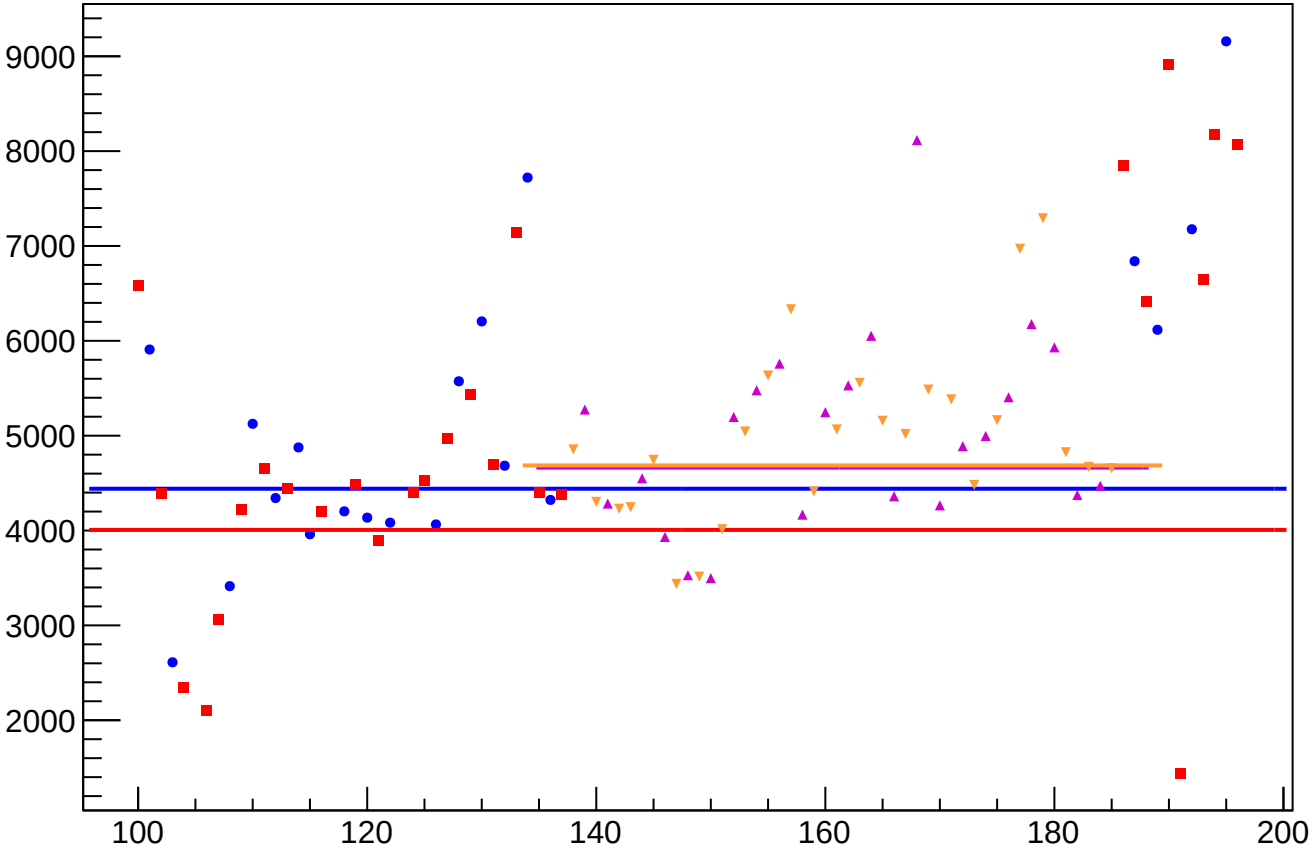
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.608+/-880.886 χ^2/NDF: 47.9/44

All: 75.761+/-608.820 χ^2/NDF: 88.8/93

- sign 605.617+/-842.405 χ^2/NDF: 40.1/48

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4440.703+/-1.060 χ^2/NDF: 1910388.7/19

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

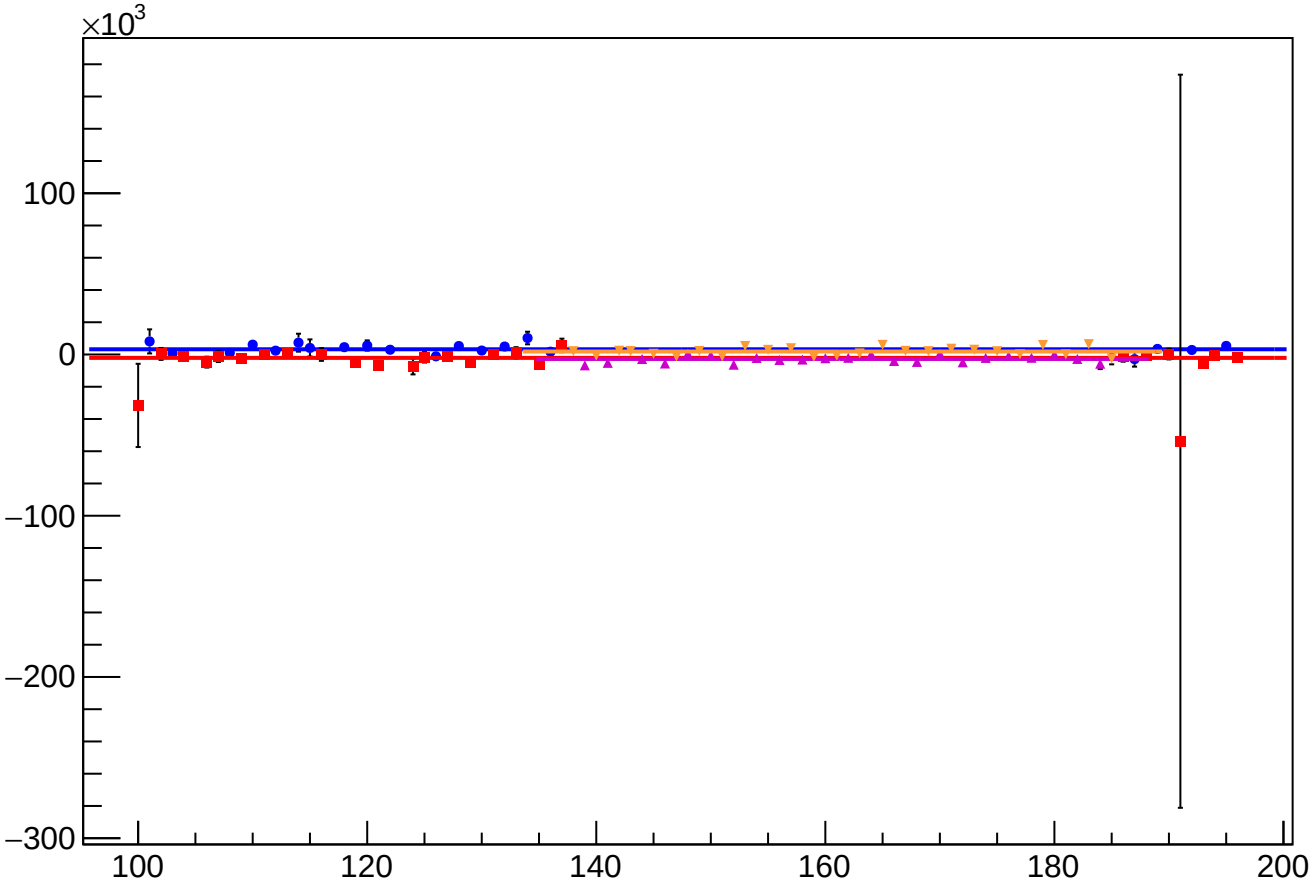
Right Out: 4006.700+/-0.912 χ^2/NDF: 3768894.8/25

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

\+ sign 4601.547+/-0.623 χ^2/NDF: 3130610.3/44

All: 4487.455+/-0.431 χ^2/NDF: 8547671.5/93

\- sign 4383.114+/-0.596 χ^2/NDF: 5352827.3/48



Right In: 3234.839+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2096.113+/-575.400 χ^2/NDF: 20.8/25

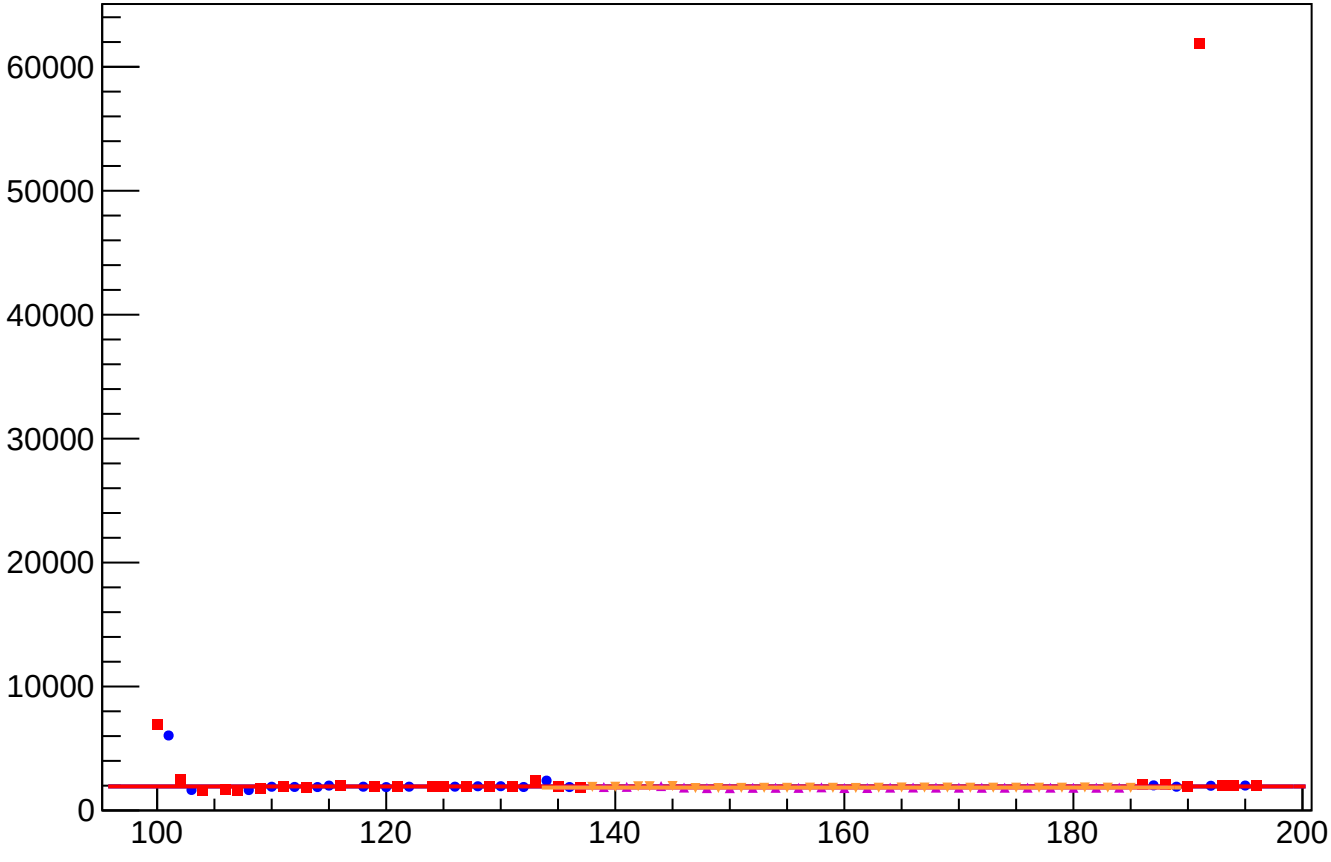
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2277.916+/-349.374 χ^2/NDF: 49.3/44

All: -157.881+/-245.445 χ^2/NDF: 192.4/93

- sign -2531.571+/-344.891 χ^2/NDF: 47.1/48

cor_asym_atr_avg_rms vs Slug



Right In: 1936.067+/-0.445 χ^2/NDF: 702897.4/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

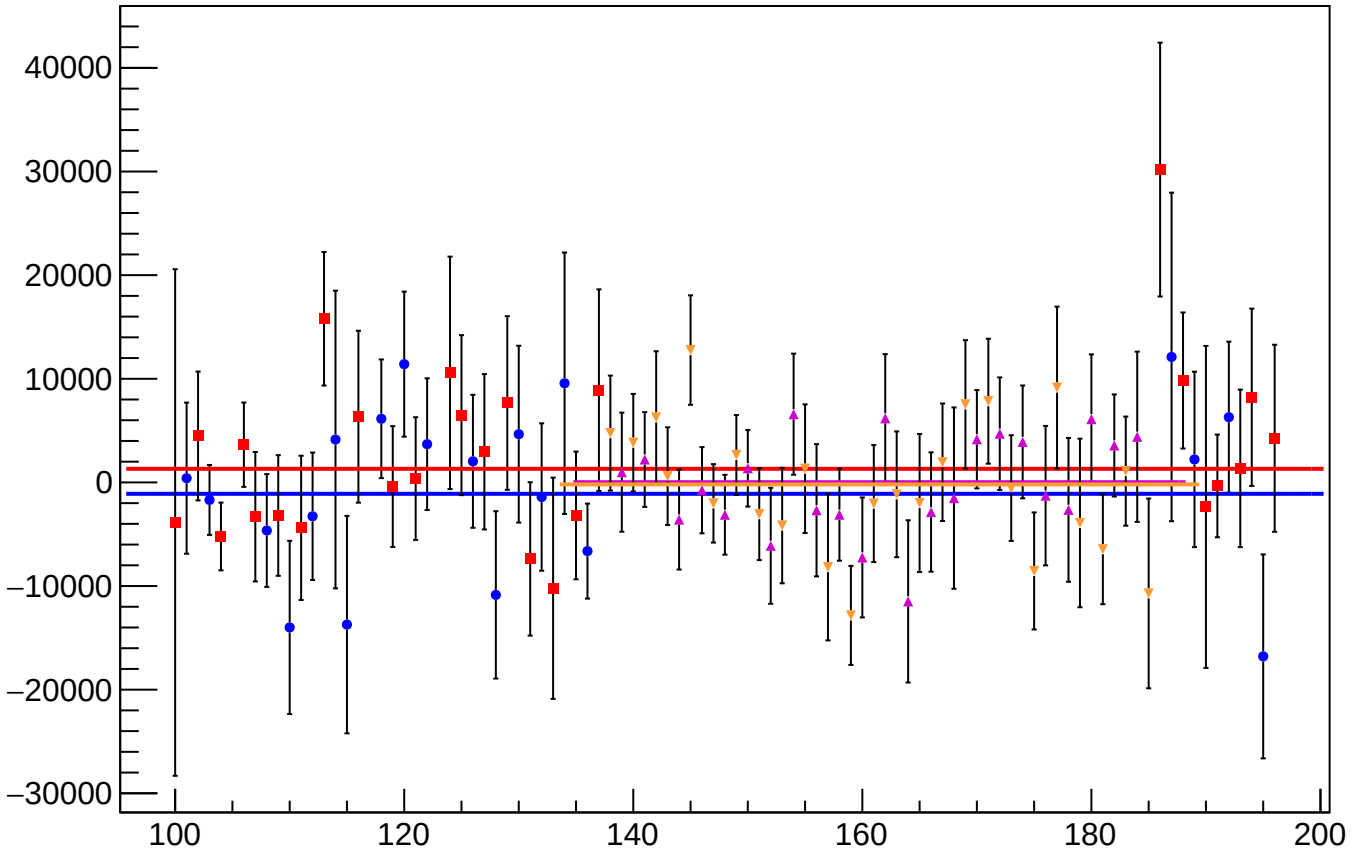
Right Out: 1937.722+/-0.406 χ^2/NDF: 393055.4/25

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750551.9/44

All: 1876.963+/-0.174 χ^2/NDF: 1190979.8/93

- sign 1878.396+/-0.244 χ^2/NDF: 440357.9/48



Right In: -1099.729+/-1499.220 χ^2/NDF: 18.7/19

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1312.735+/-1299.017 χ^2/NDF: 25.6/25

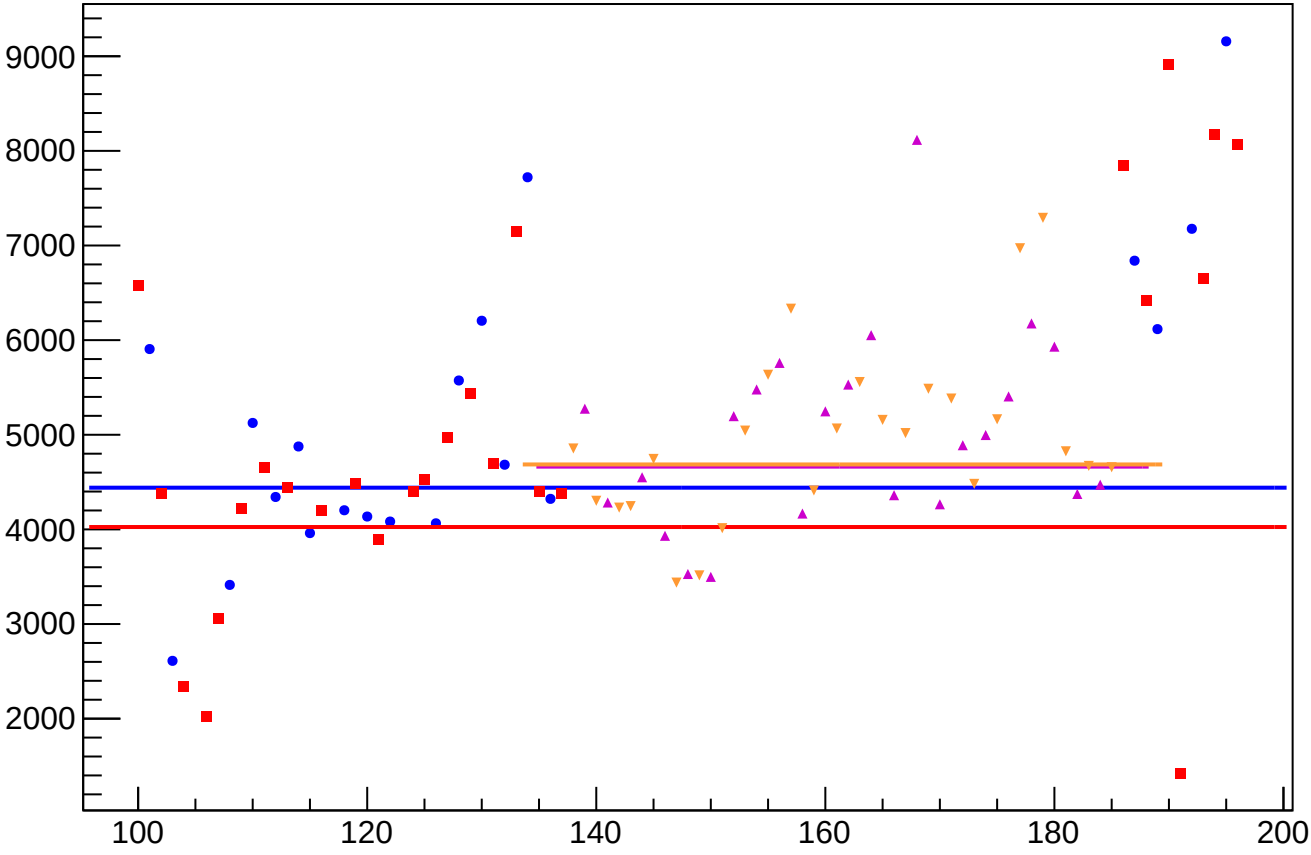
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.730+/-880.886 χ^2/NDF: 47.9/44

All: 53.722+/-609.800 χ^2/NDF: 88.5/93

- sign 566.690+/-845.008 χ^2/NDF: 39.9/48

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4440.787+/-1.060 χ^2/NDF: 1909842.1/19

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4025.088+/-0.919 χ^2/NDF: 3748830.1/25

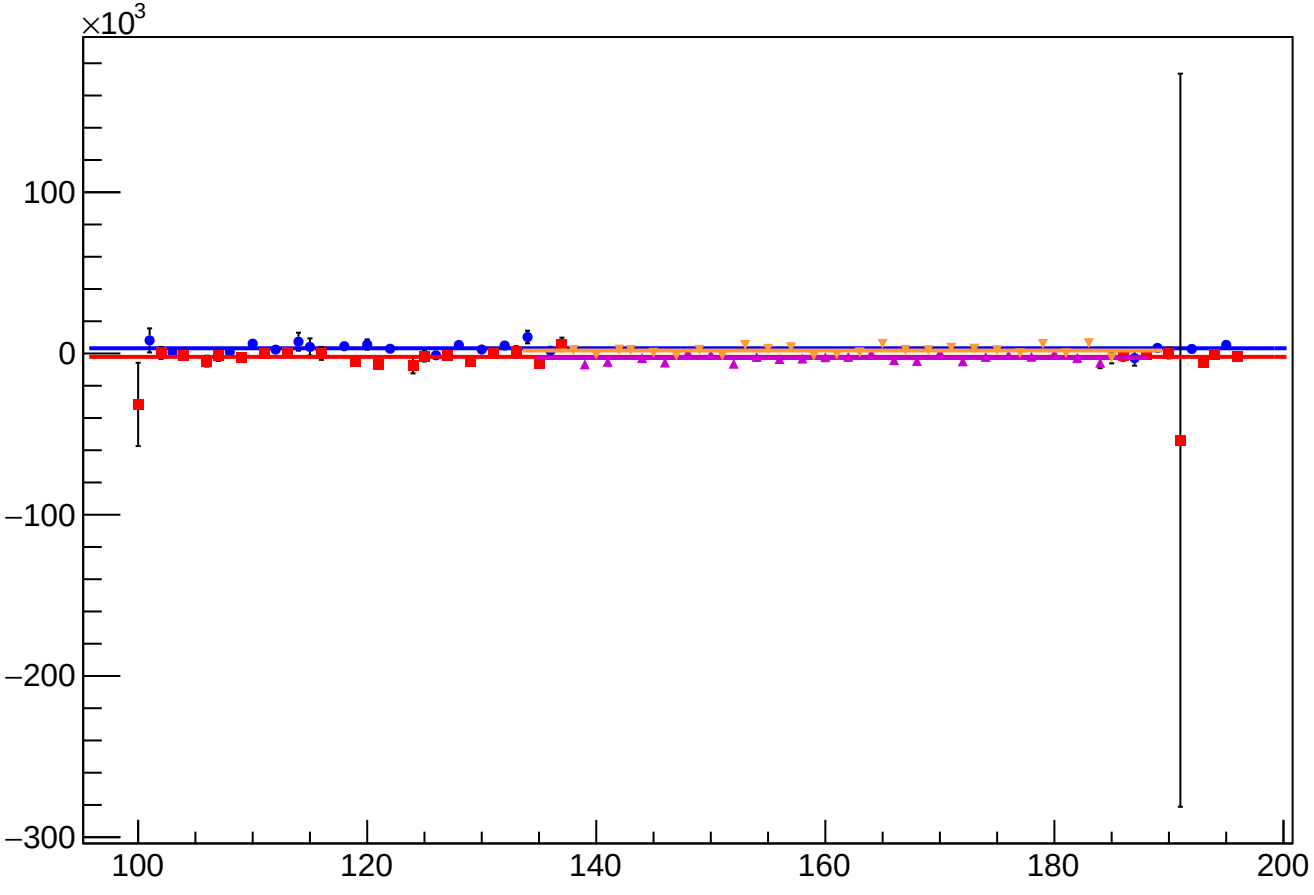
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

\+ sign 4601.572+/-0.623 χ^2/NDF: 3130062.9/44

All: 4493.069+/-0.431 χ^2/NDF: 8502340.4/93

\- sign 4393.225+/-0.598 χ^2/NDF: 5314011.4/48

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3234.839+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2096.113+/-575.400 χ^2/NDF: 20.8/25

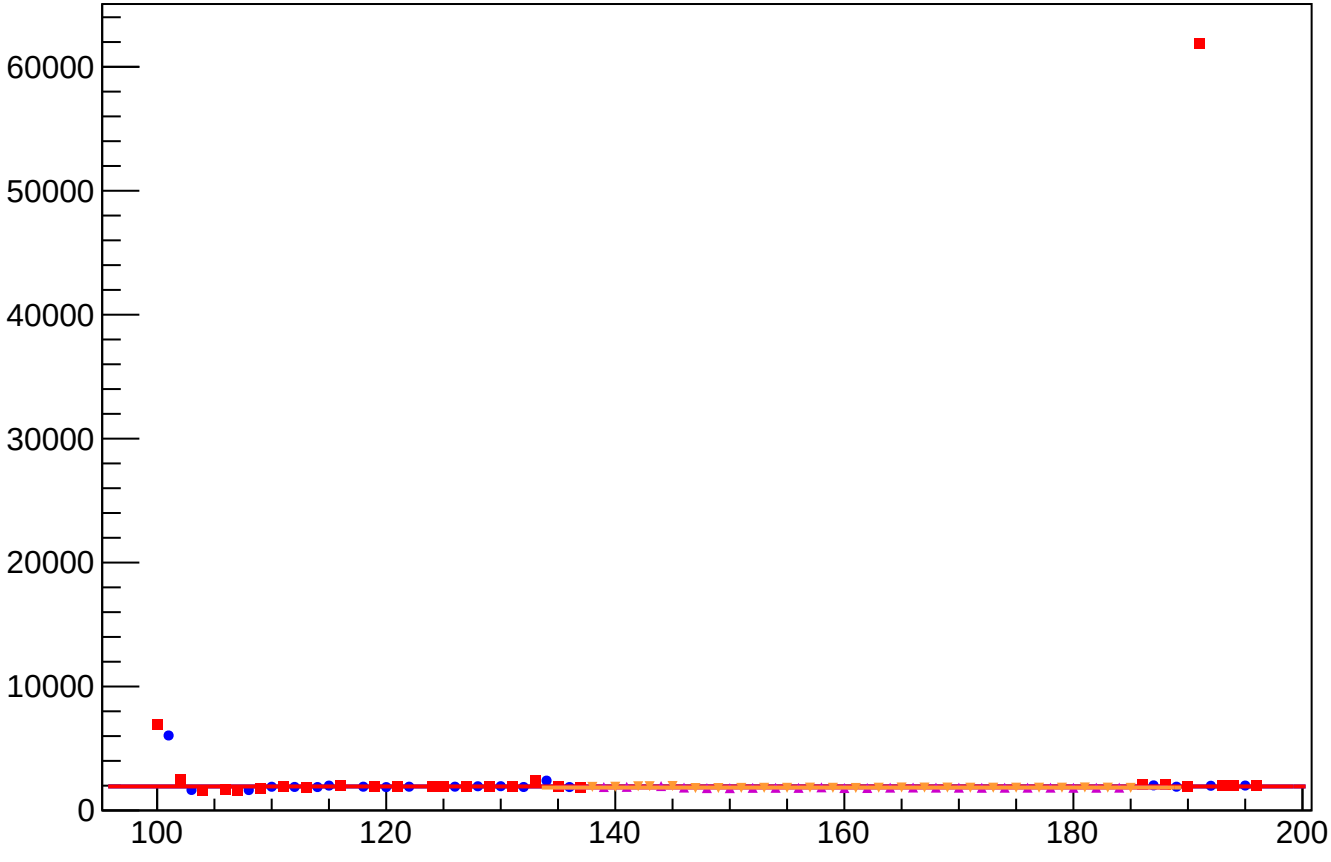
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2277.916+/-349.374 χ^2/NDF: 49.3/44

All: -157.881+/-245.445 χ^2/NDF: 192.4/93

- sign -2531.571+/-344.891 χ^2/NDF: 47.1/48

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1936.067+/-0.445 χ^2/NDF: 702897.4/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

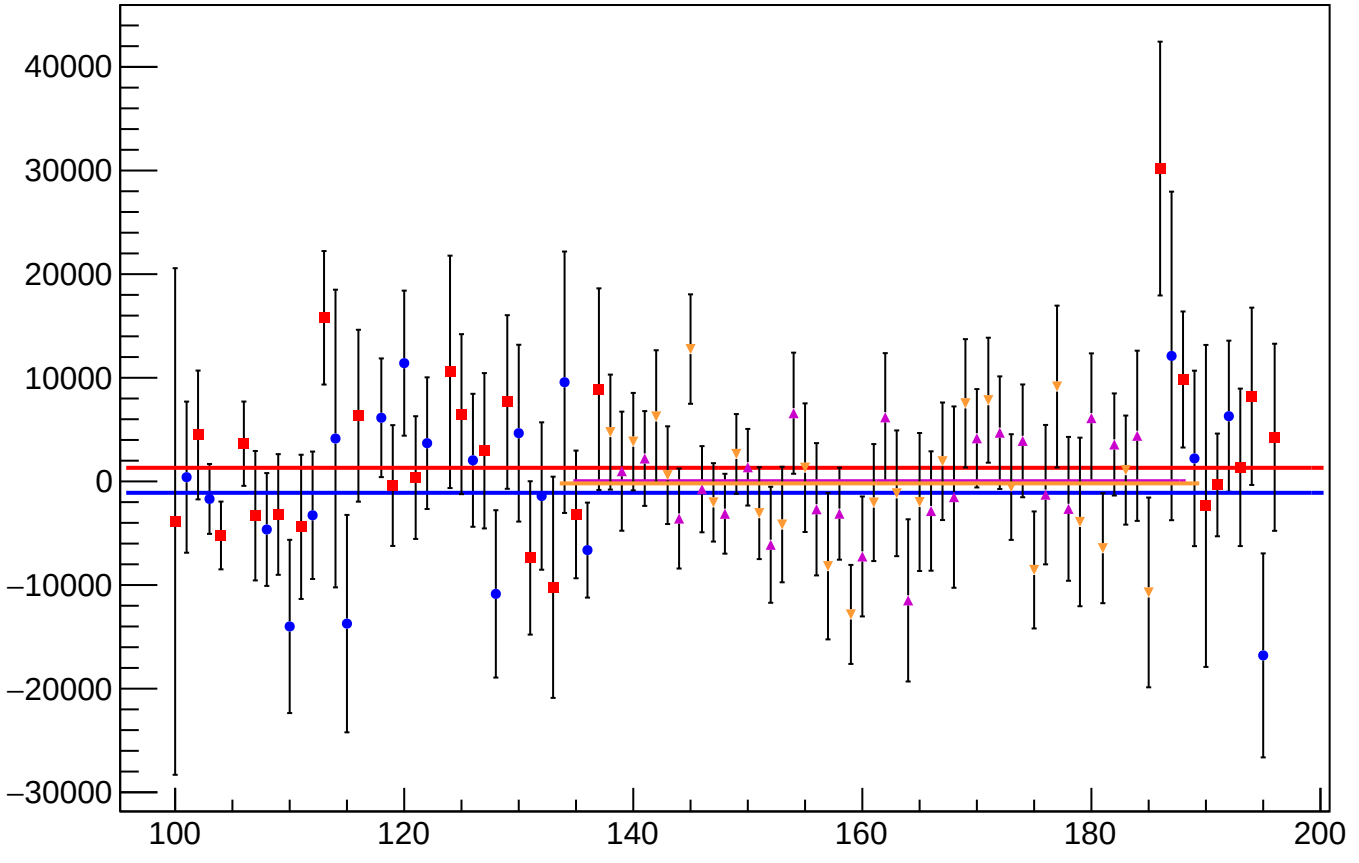
Right Out: 1937.722+/-0.406 χ^2/NDF: 393055.4/25

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750551.9/44

All: 1876.963+/-0.174 χ^2/NDF: 1190979.8/93

- sign 1878.396+/-0.244 χ^2/NDF: 440357.9/48



Right In: -1099.729+/-1499.220 χ^2/NDF: 18.7/19

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1312.735+/-1299.017 χ^2/NDF: 25.6/25

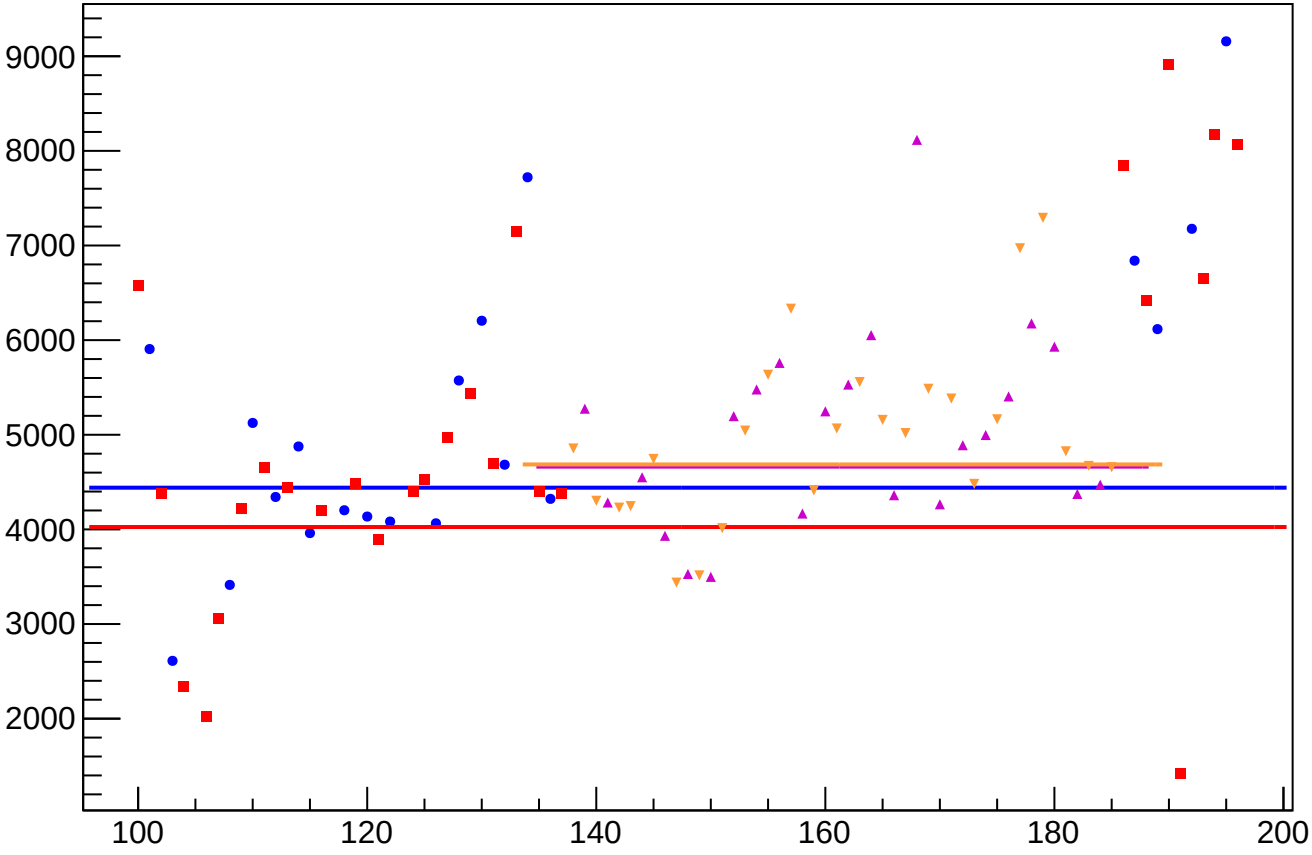
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.730+/-880.886 χ^2/NDF: 47.9/44

All: 53.722+/-609.800 χ^2/NDF: 88.5/93

- sign 566.690+/-845.008 χ^2/NDF: 39.9/48

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4440.787+/-1.060 χ^2/NDF: 1909842.1/19

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4025.088+/-0.919 χ^2/NDF: 3748830.1/25

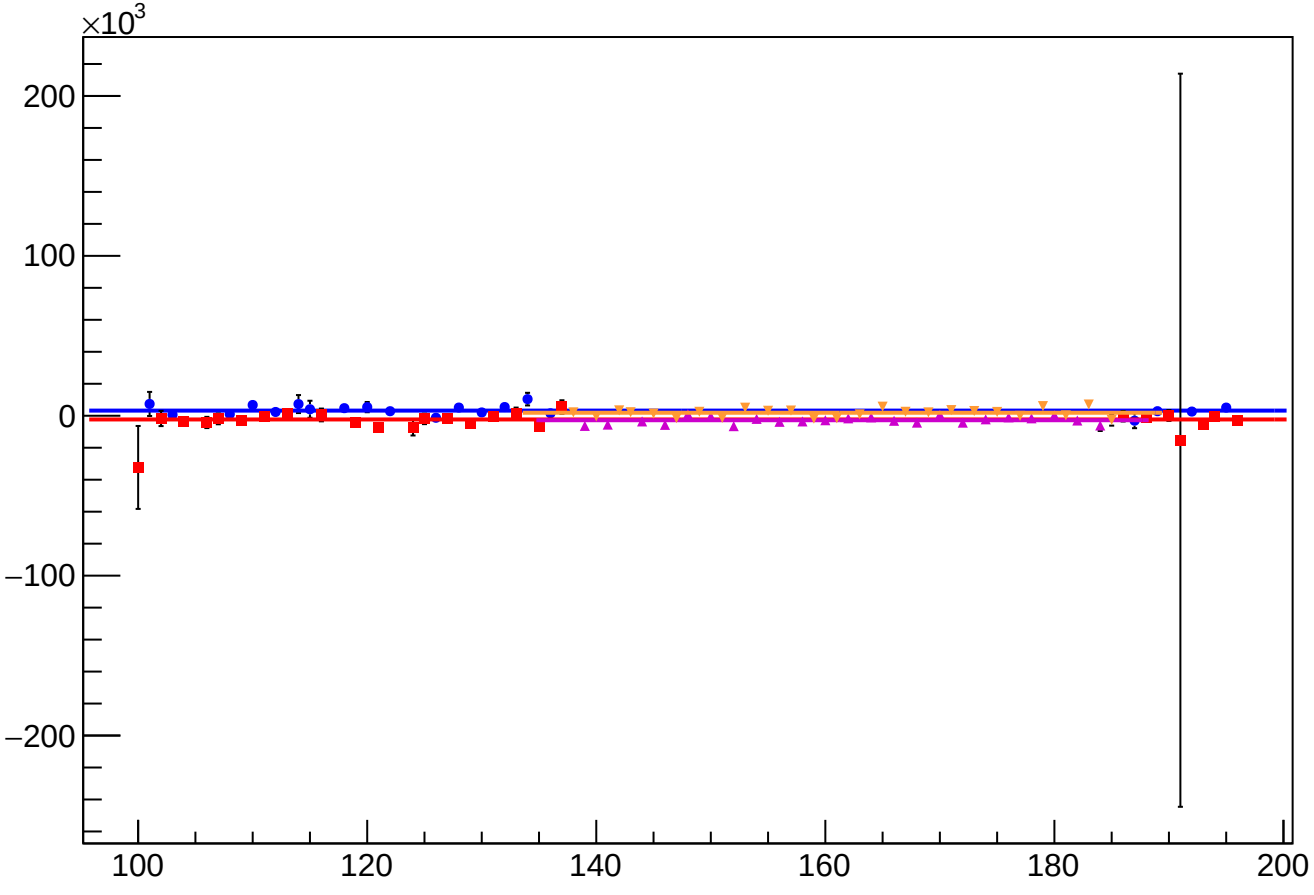
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4601.572+/-0.623 χ^2/NDF: 3130062.9/44

All: 4493.069+/-0.431 χ^2/NDF: 8502340.4/93

- sign 4393.225+/-0.598 χ^2/NDF: 5314011.4/48

dit_asym_atr_avg_mean vs Slug



Right In: 3218.077+/-645.041 χ^2/NDF: 14.8/19

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2318.178+/-590.533 χ^2/NDF: 21.1/25

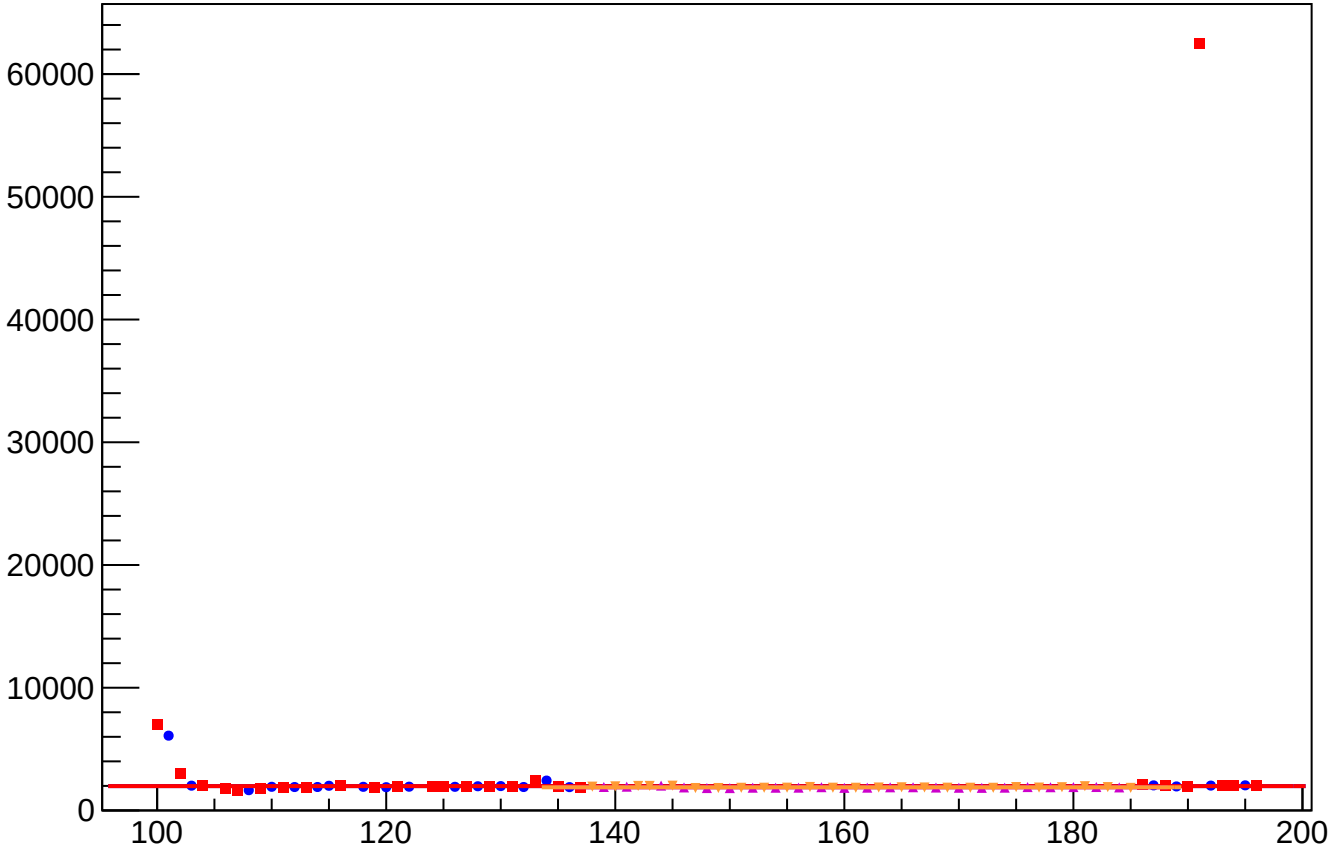
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2290.971+/-357.201 χ^2/NDF: 50.7/44

All: -201.234+/-250.877 χ^2/NDF: 193.8/93

- sign -2627.377+/-352.435 χ^2/NDF: 47.0/48

dit_asym_atr_avg_rms vs Slug



Right In: 1985.524+/-0.456 χ^2/NDF: 668450.6/19

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

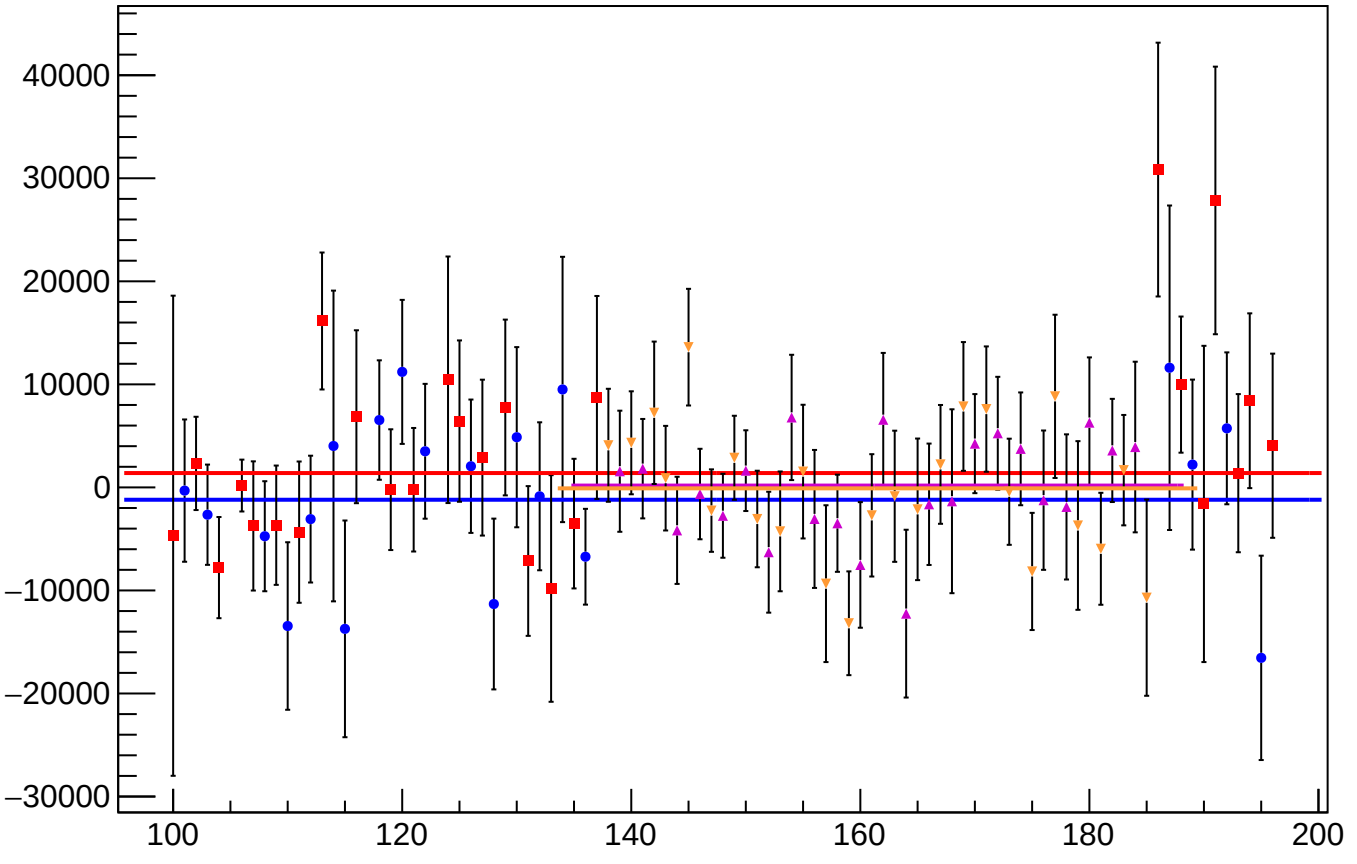
Right Out: 1983.285+/-0.417 χ^2/NDF: 415679.2/25

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1917.591+/-0.253 χ^2/NDF: 732400.8/44

All: 1917.385+/-0.177 χ^2/NDF: 1206099.2/93

- sign 1917.185+/-0.249 χ^2/NDF: 473697.1/48



Right In: -1198.058+/-1586.234 χ^2/NDF: 18.3/19

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1393.004+/-1269.114 χ^2/NDF: 29.0/25

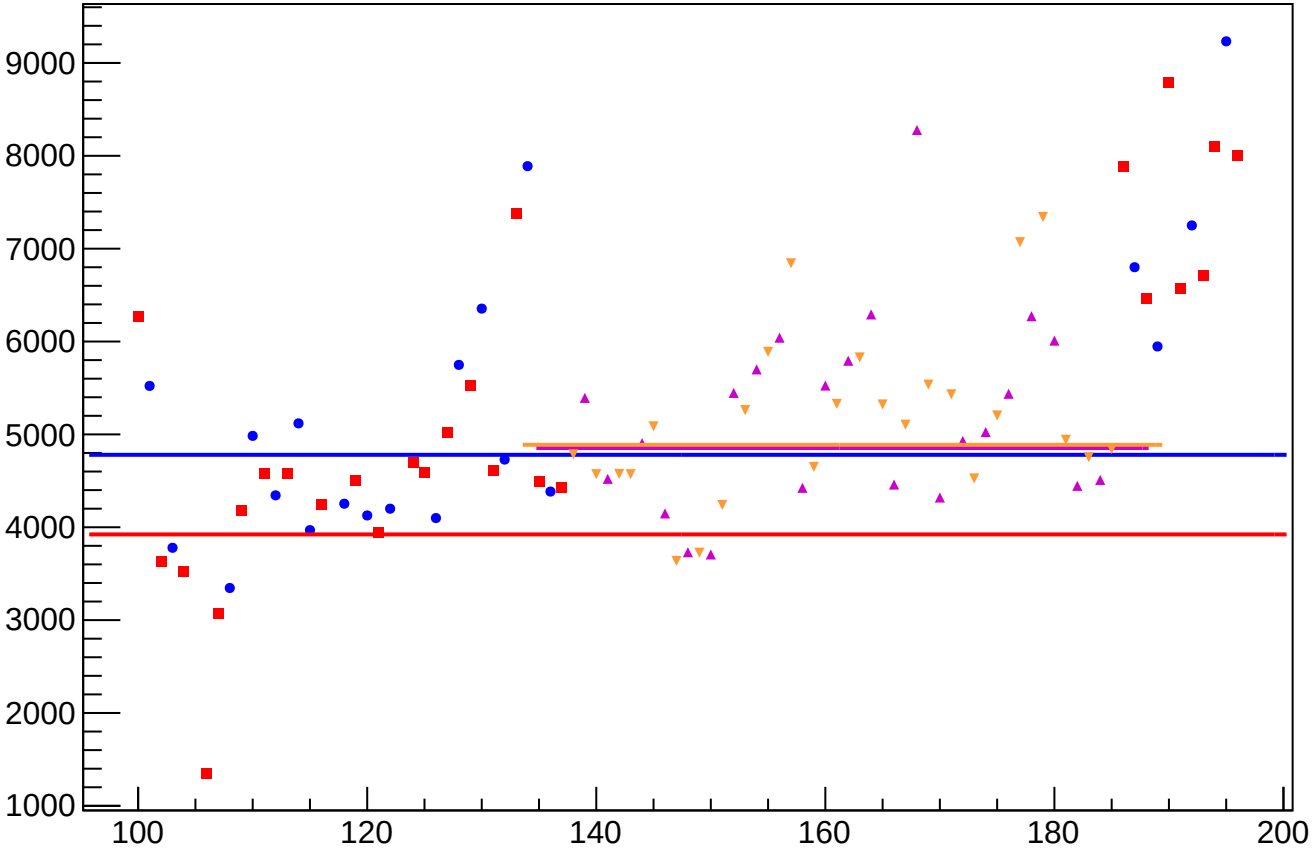
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -465.686+/-922.092 χ^2/NDF: 46.8/44

All: 176.687+/-626.812 χ^2/NDF: 90.7/93

- sign 728.514+/-854.637 χ^2/NDF: 43.1/48

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4780.143+/-1.122 χ^2/NDF: 1272388.1/19

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3922.930+/-0.897 χ^2/NDF: 4567439.4/25

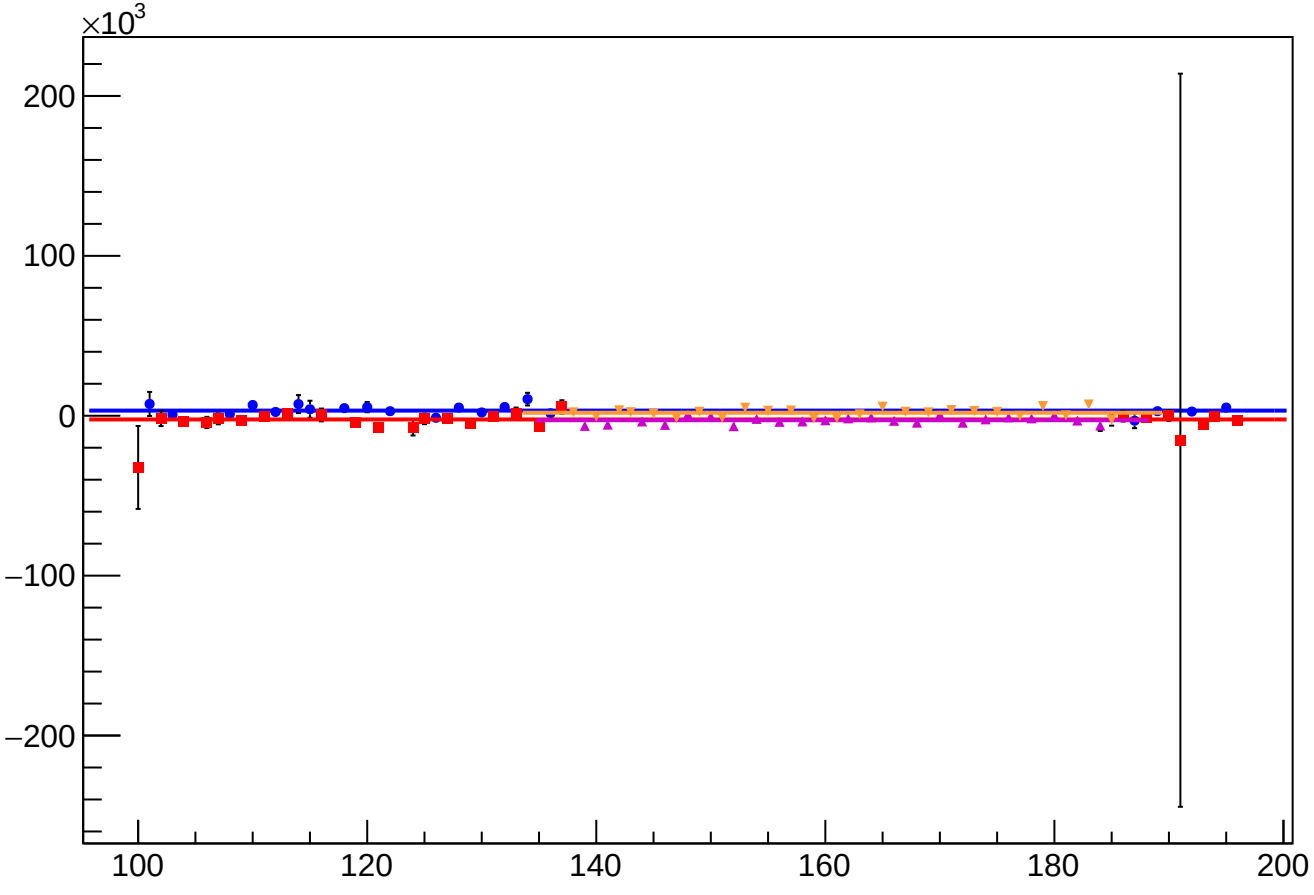
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4851.435+/-0.652 χ^2/NDF: 2341788.8/44

All: 4625.508+/-0.443 χ^2/NDF: 8898564.5/93

- sign 4431.426+/-0.604 χ^2/NDF: 6333567.9/48

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3218.079+/-645.040 χ^2/NDF: 14.8/19

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2318.179+/-590.533 χ^2/NDF: 21.1/25

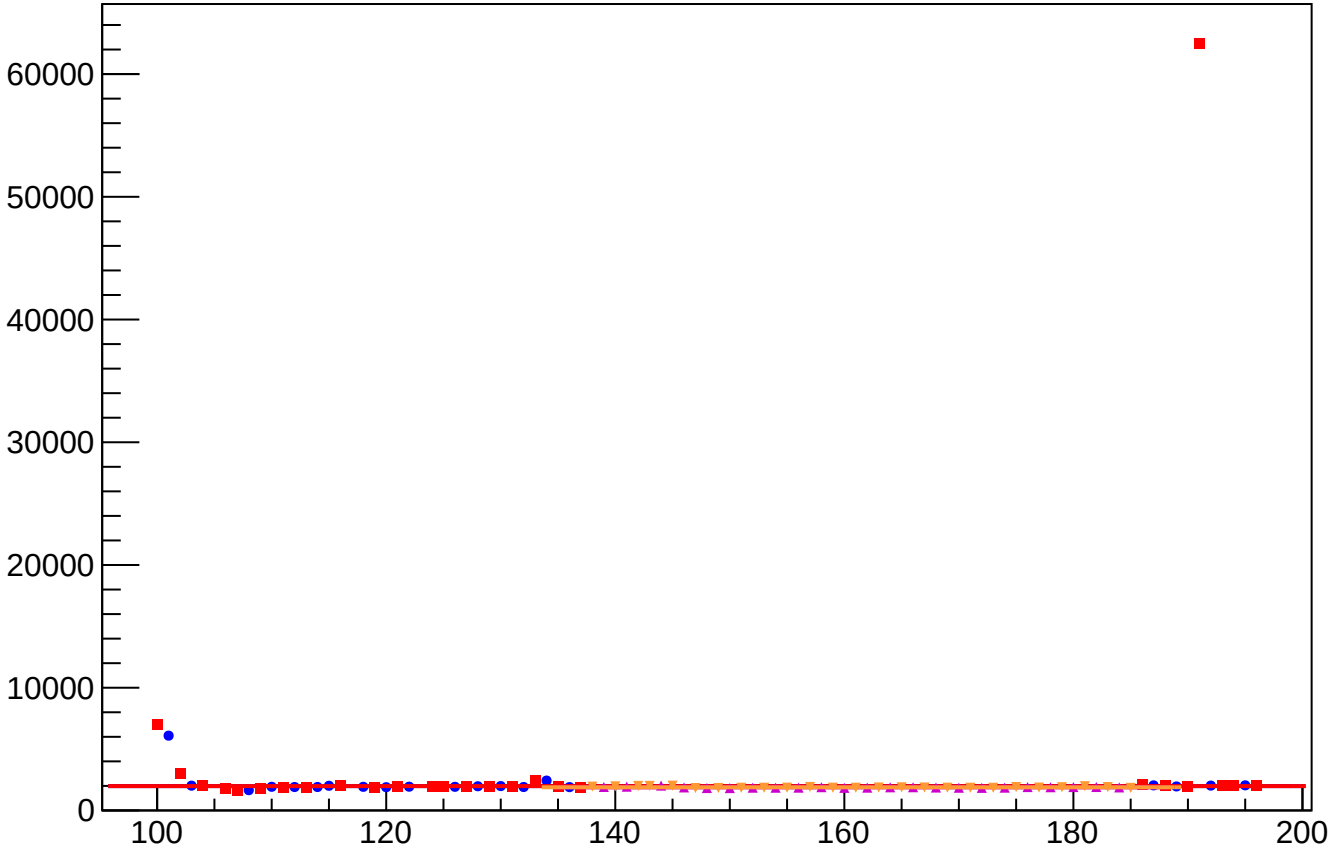
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2290.968+/-357.201 χ^2/NDF: 50.7/44

All: -201.235+/-250.877 χ^2/NDF: 193.8/93

- sign -2627.377+/-352.435 χ^2/NDF: 47.0/48

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1985.524+/-0.456 χ^2/NDF: 668450.7/19

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

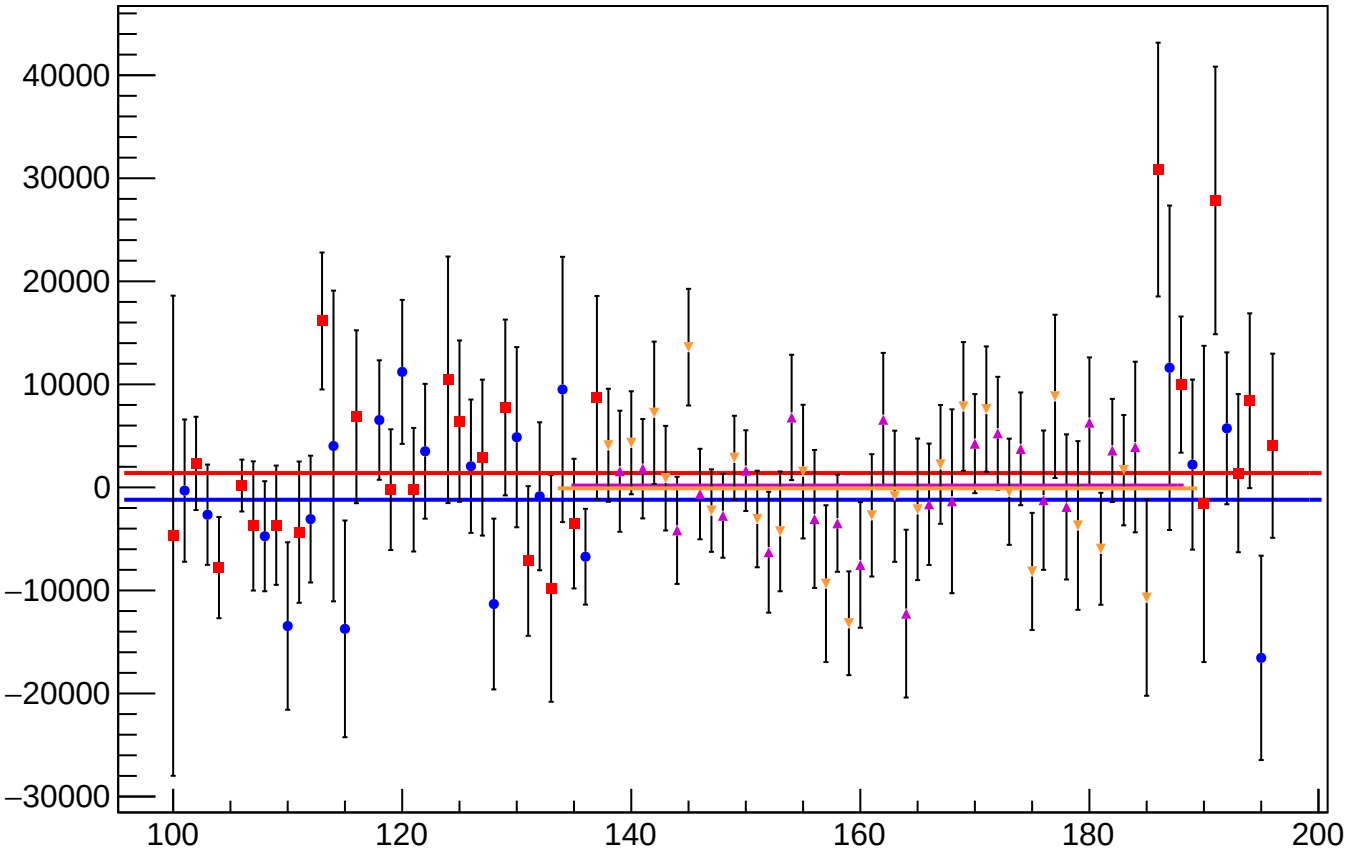
Right Out: 1983.284+/-0.417 χ^2/NDF: 415678.7/25

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1917.591+/-0.253 χ^2/NDF: 732400.1/44

All: 1917.385+/-0.177 χ^2/NDF: 1206097.3/93

- sign 1917.185+/-0.249 χ^2/NDF: 473695.9/48



Right In: -1198.041+/-1586.232 χ^2/NDF: 18.3/19

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1393.000+/-1269.112 χ^2/NDF: 29.0/25

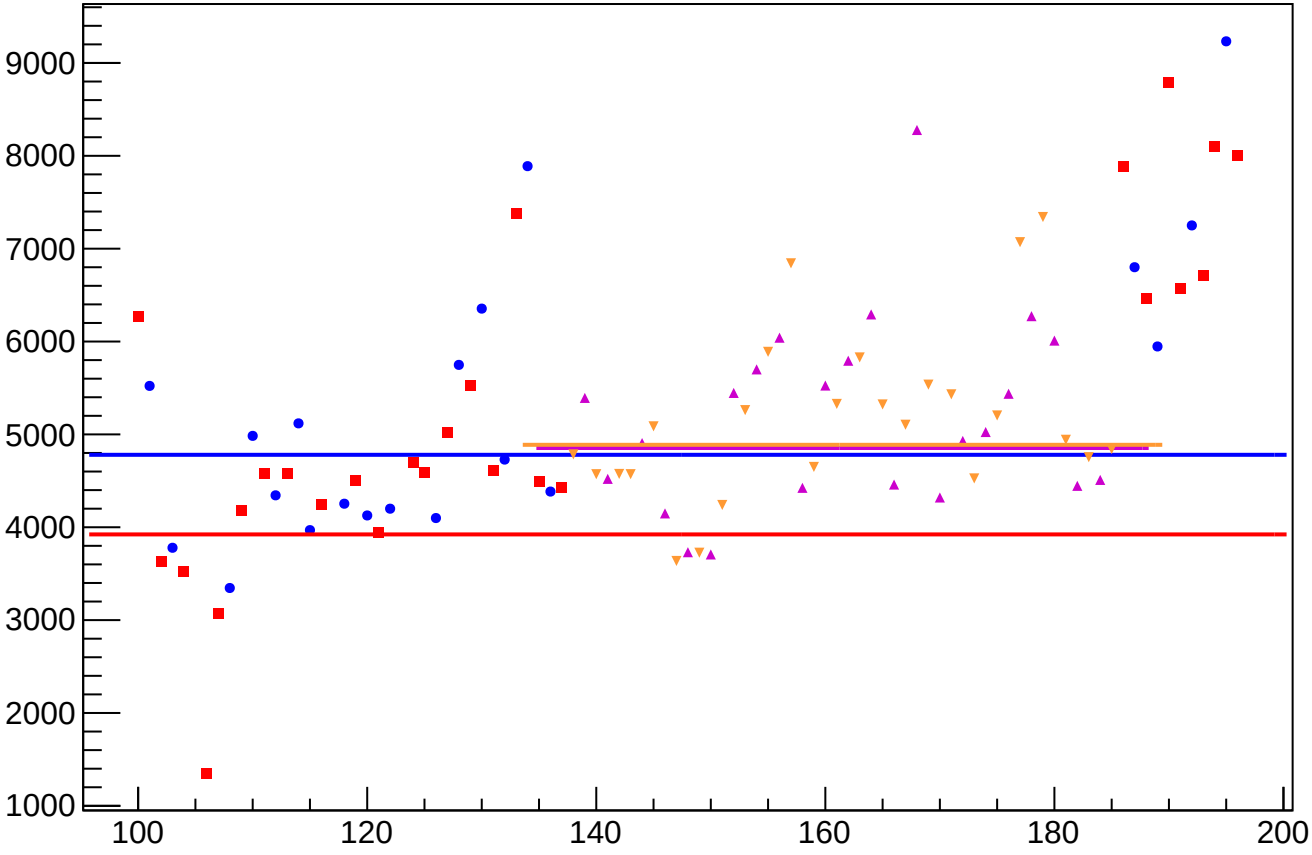
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -465.684+/-922.093 χ^2/NDF: 46.8/44

All: 176.689+/-626.812 χ^2/NDF: 90.7/93

- sign 728.515+/-854.637 χ^2/NDF: 43.1/48

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4780.136+/-1.122 χ^2/NDF: 1272392.4/19

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3922.921+/-0.897 χ^2/NDF: 4567455.3/25

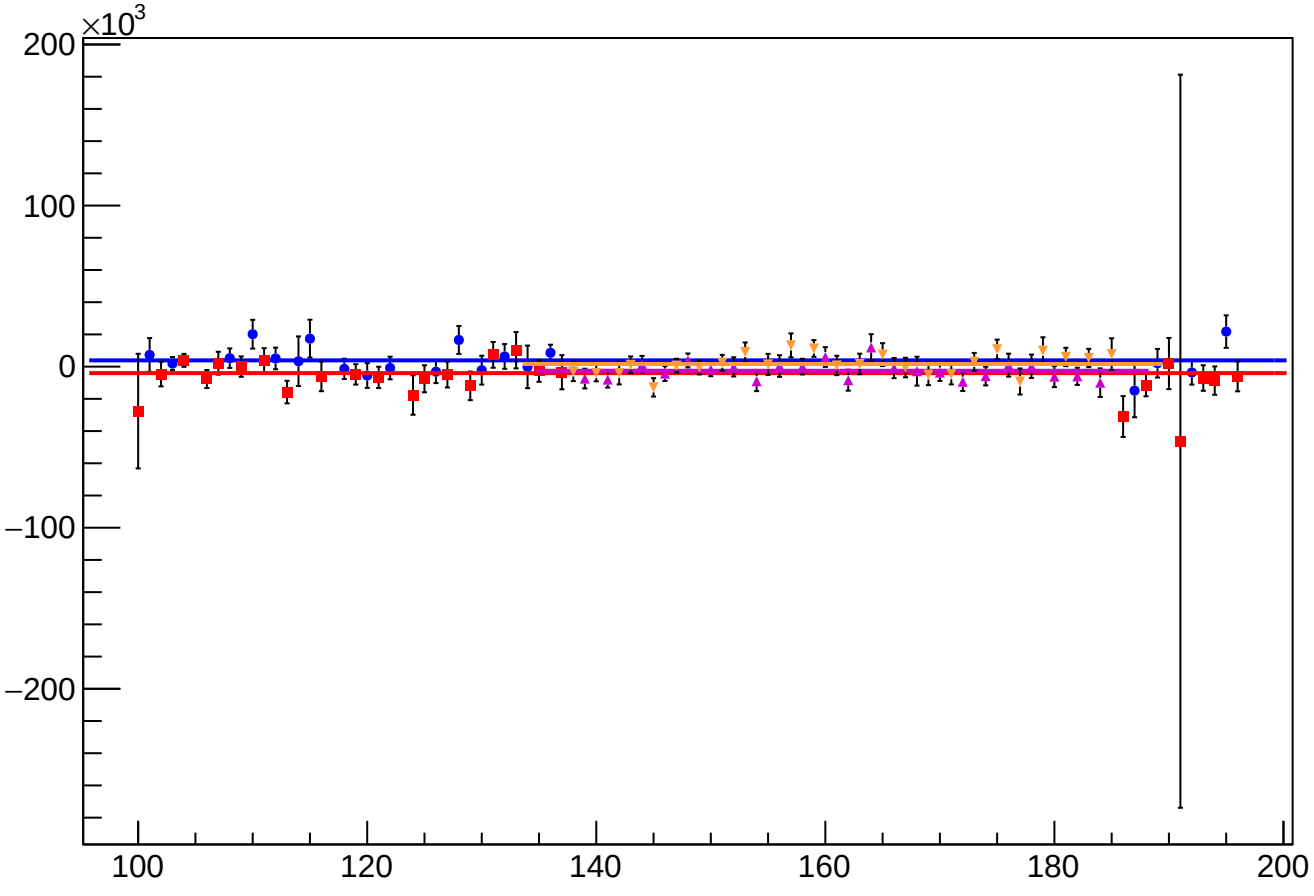
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4851.438+/-0.652 χ^2/NDF: 2341796.1/44

All: 4625.508+/-0.443 χ^2/NDF: 8898615.5/93

- sign 4431.425+/-0.604 χ^2/NDF: 6333607.2/48

asym_atr_avg_mean vs Slug



Right In: 3887.878+/-1670.111 χ^2/NDF: 17.8/19

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4012.586+/-1526.300 χ^2/NDF: 22.3/25

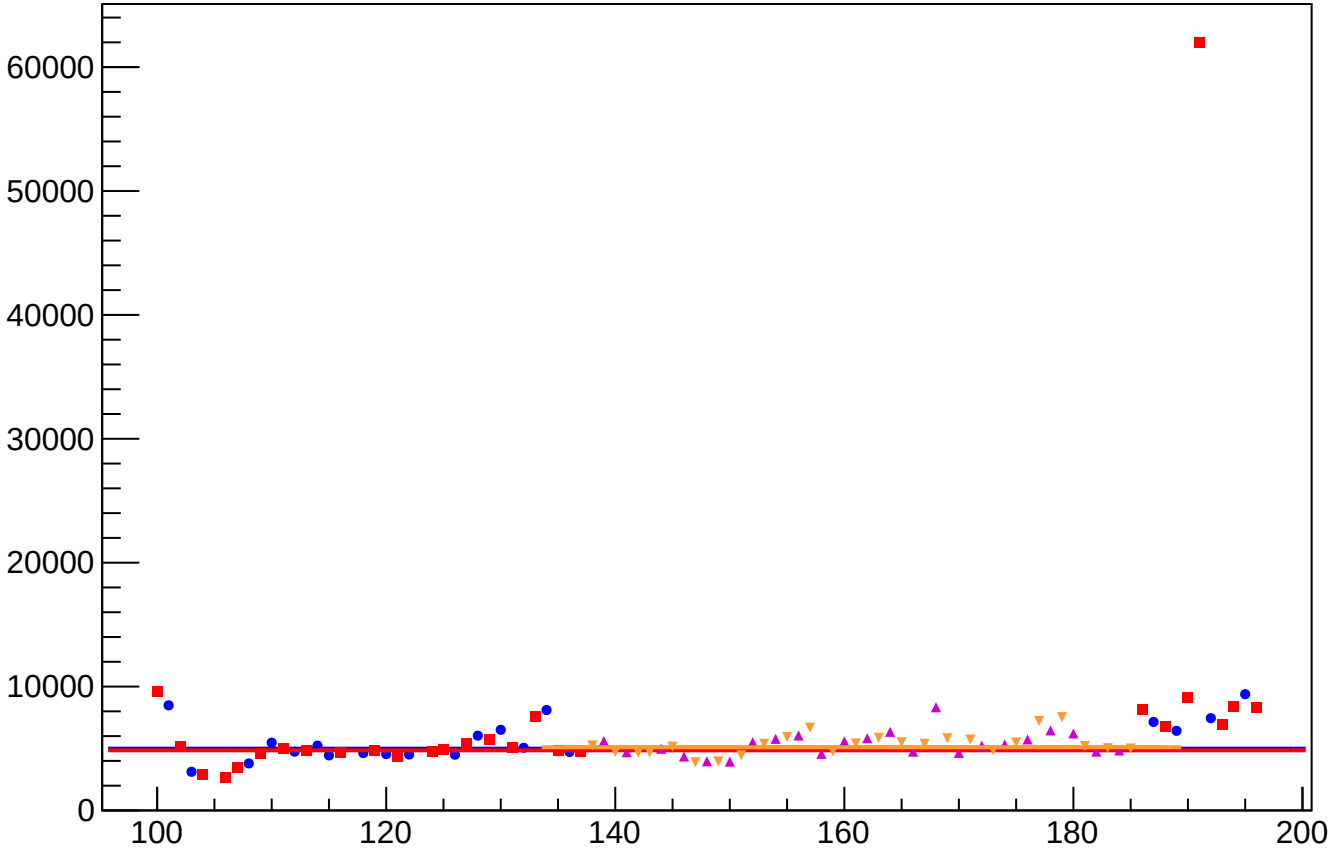
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2397.107+/-962.989 χ^2/NDF: 45.0/44

All: -411.796+/-674.671 χ^2/NDF: 100.5/93

- sign -3119.656+/-945.510 χ^2/NDF: 38.8/48

asym_atr_avg_rms vs Slug



Right In: 4986.939+/-1.181 χ^2/NDF: 1659514.7/19

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4854.133+/-1.071 χ^2/NDF: 2436151.3/25

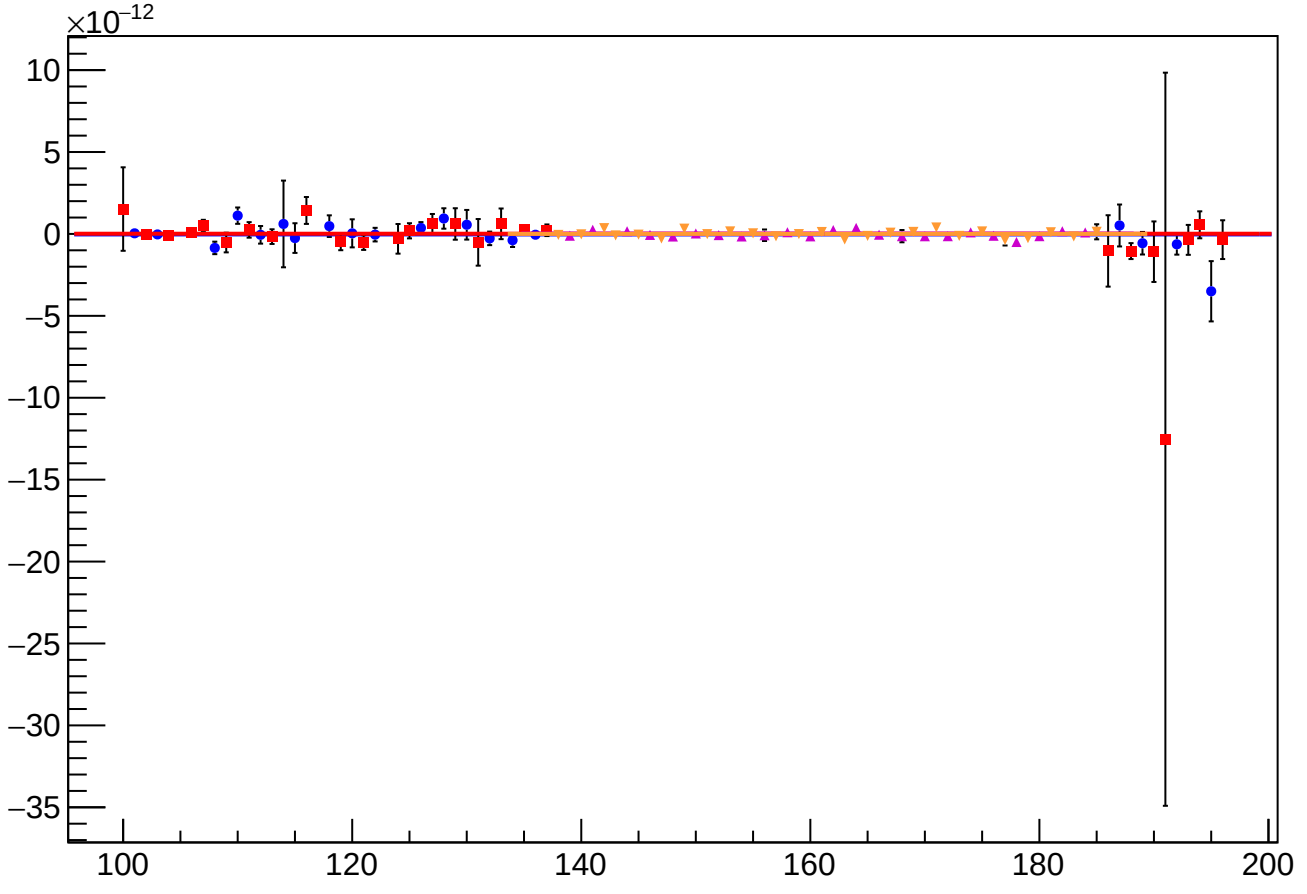
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5062.839+/-0.681 χ^2/NDF: 2575033.3/44

All: 5024.930+/-0.476 χ^2/NDF: 6034867.8/93

- sign 4988.589+/-0.667 χ^2/NDF: 3453764.2/48

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/25

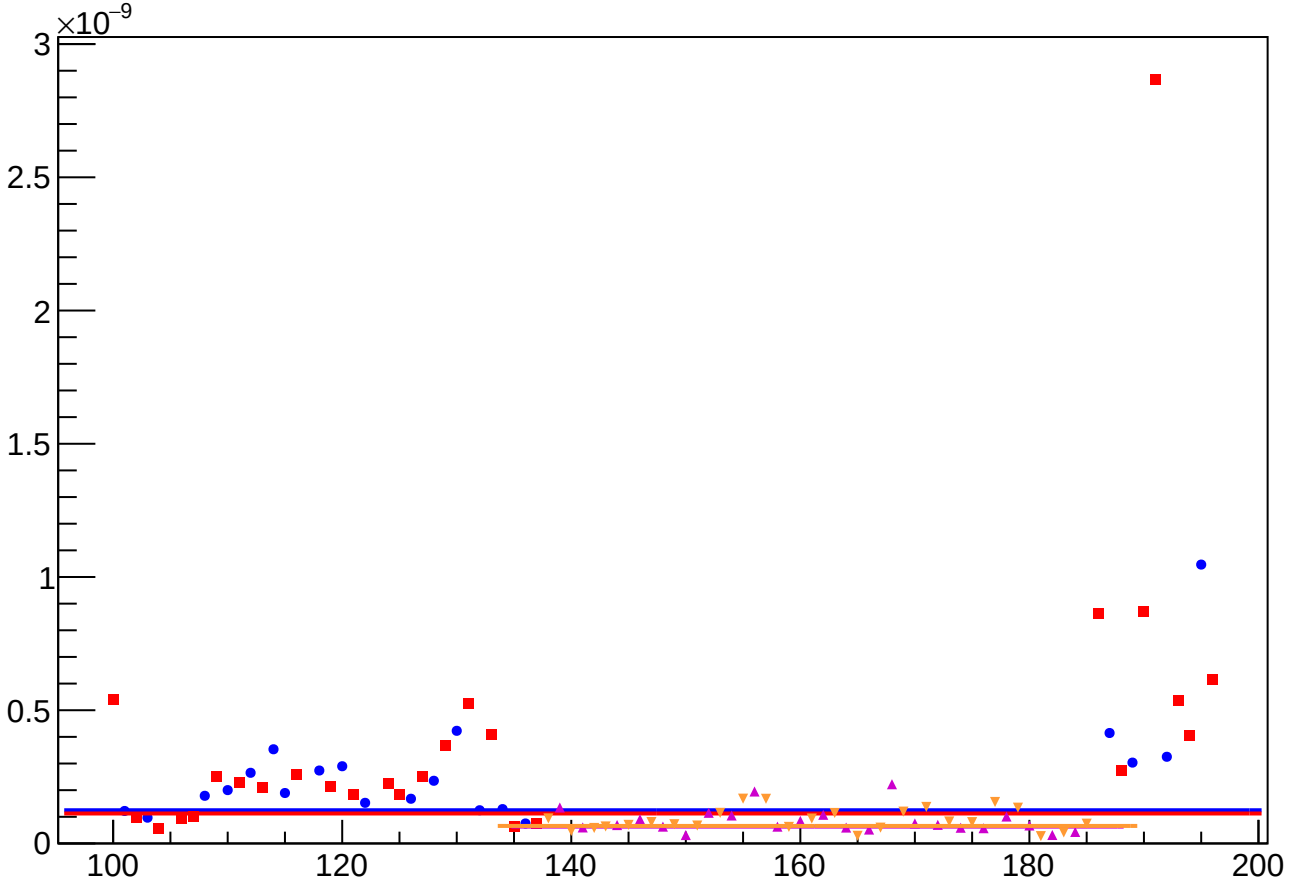
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/44

All: 0.000+/-0.000 χ^2/NDF: 108.9/93

- sign 0.000+/-0.000 χ^2/NDF: 53.9/48

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2062468.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3770814.8/25

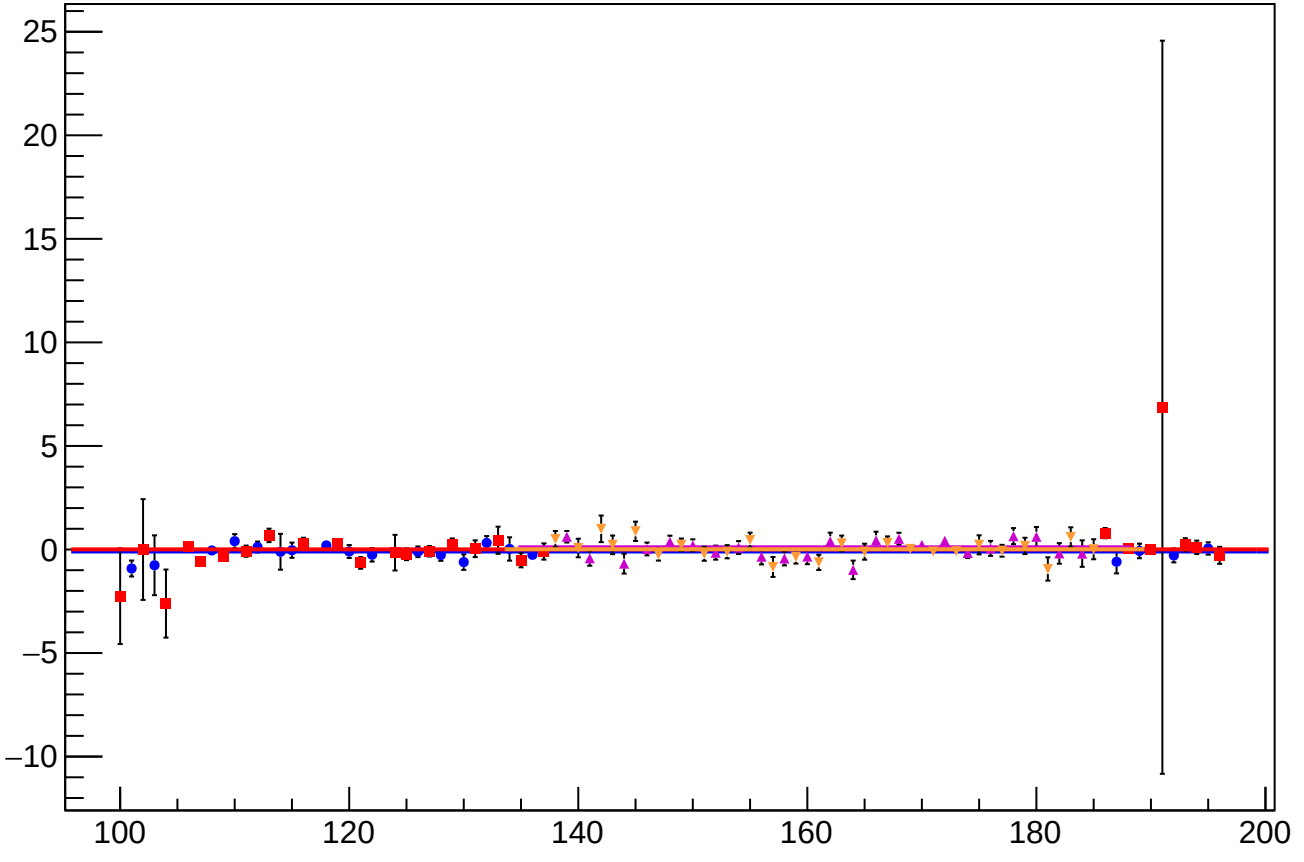
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5640449.4/44

All: 0.000+/-0.000 χ^2/NDF: 12457108.4/93

- sign 0.000+/-0.000 χ^2/NDF: 6800561.1/48

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

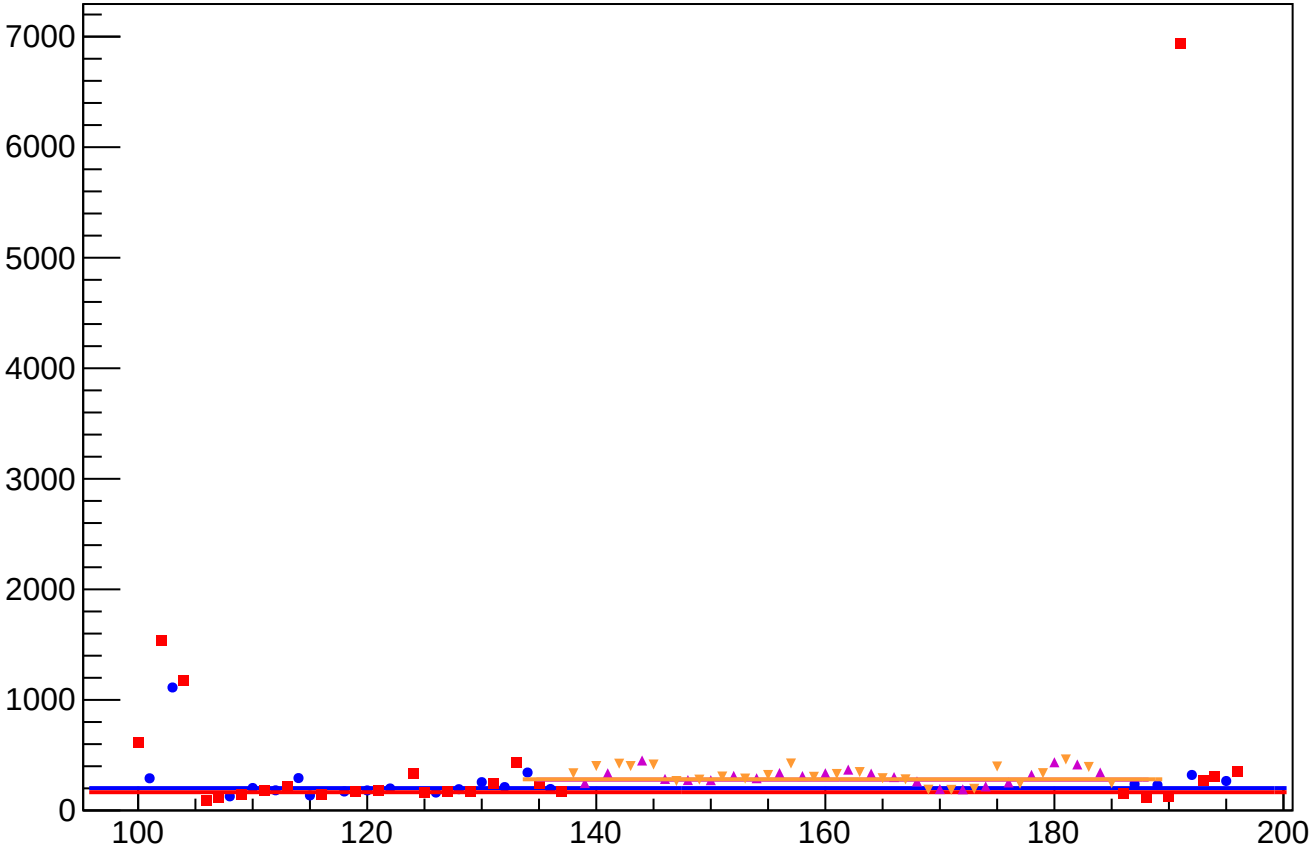
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.008+/-0.032 χ^2/NDF: 117.3/93

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 202.120+/-0.050 χ^2/NDF: 1884015.1/19

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 165.070+/-0.040 χ^2/NDF: 4268015.4/25

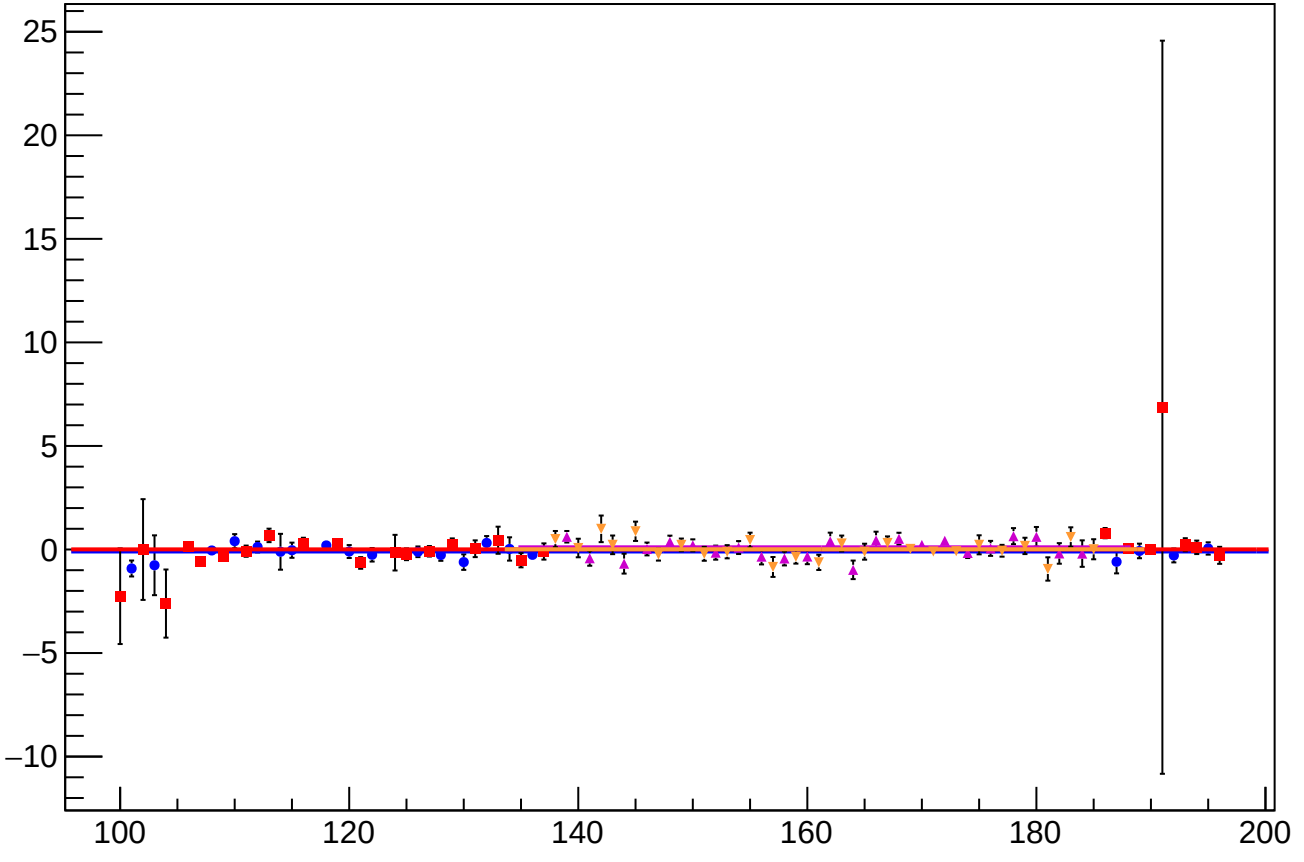
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 243.391+/-0.035 χ^2/NDF: 5727633.1/44

All: 224.842+/-0.023 χ^2/NDF: 15587612.6/93

- sign 210.311+/-0.031 χ^2/NDF: 9348163.7/48

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

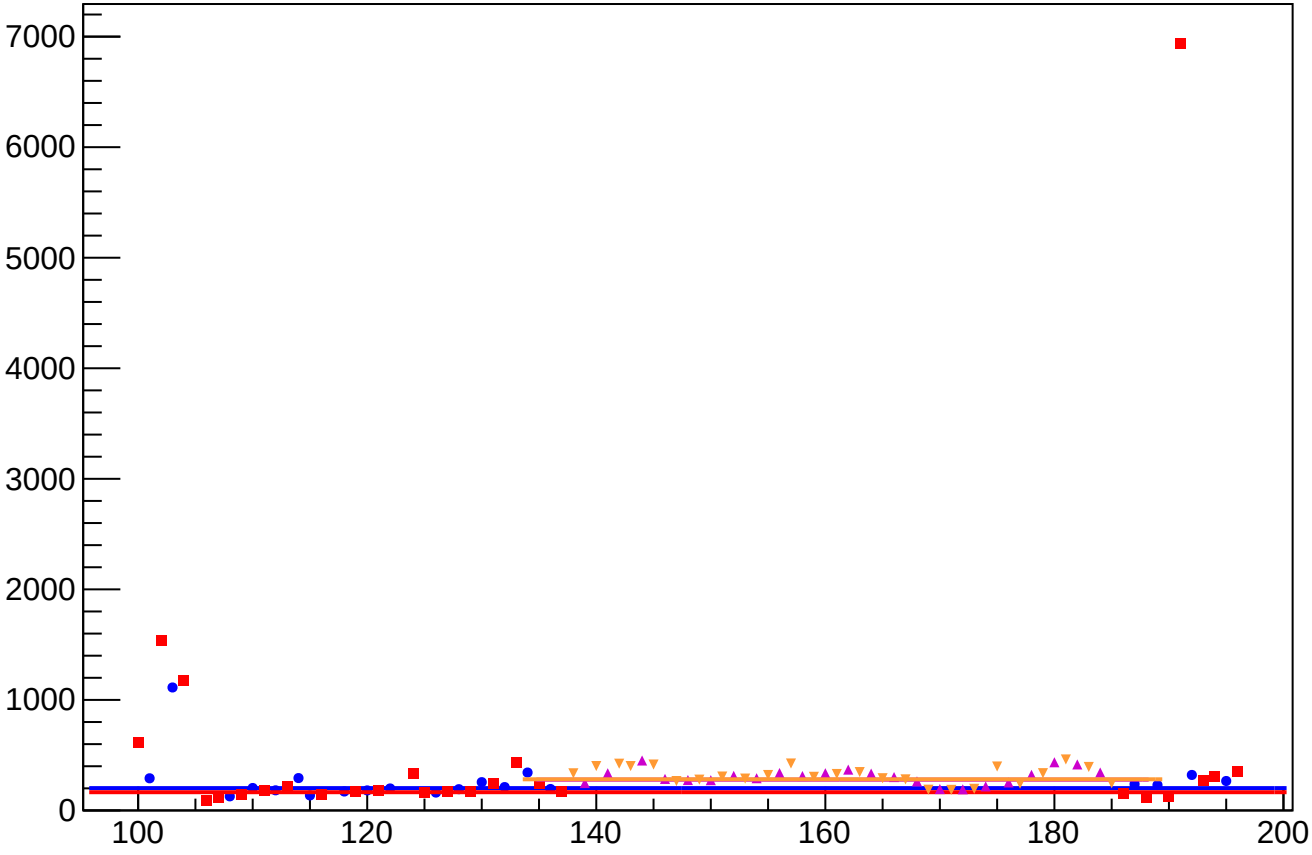
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.008+/-0.032 χ^2/NDF: 117.3/93

- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.120+/-0.050 χ^2/NDF: 1884015.1/19

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

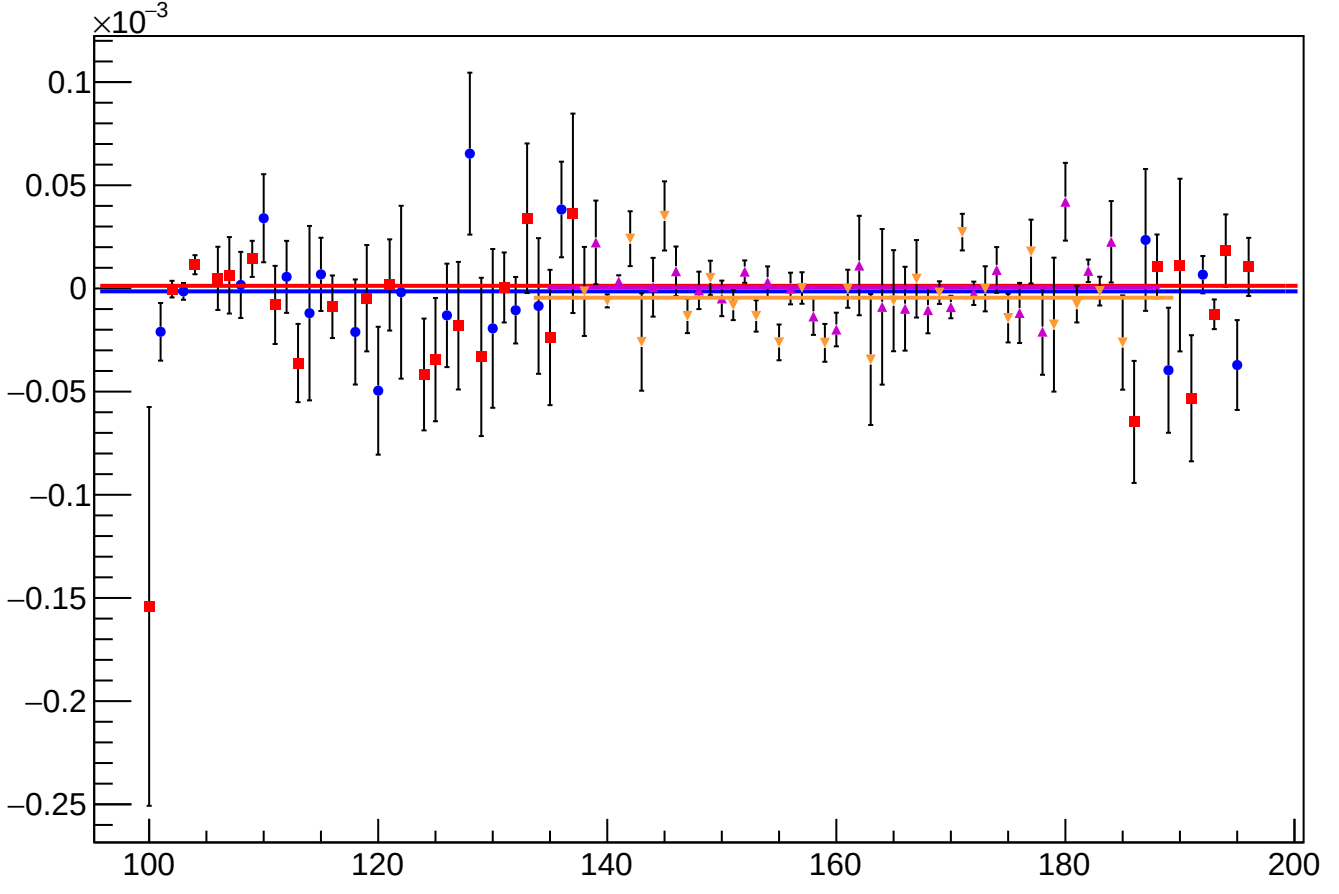
Right Out: 165.070+/-0.040 χ^2/NDF: 4268015.4/25

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 243.391+/-0.035 χ^2/NDF: 5727633.1/44

All: 224.842+/-0.023 χ^2/NDF: 15587612.6/93

- sign 210.311+/-0.031 χ^2/NDF: 9348163.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/25

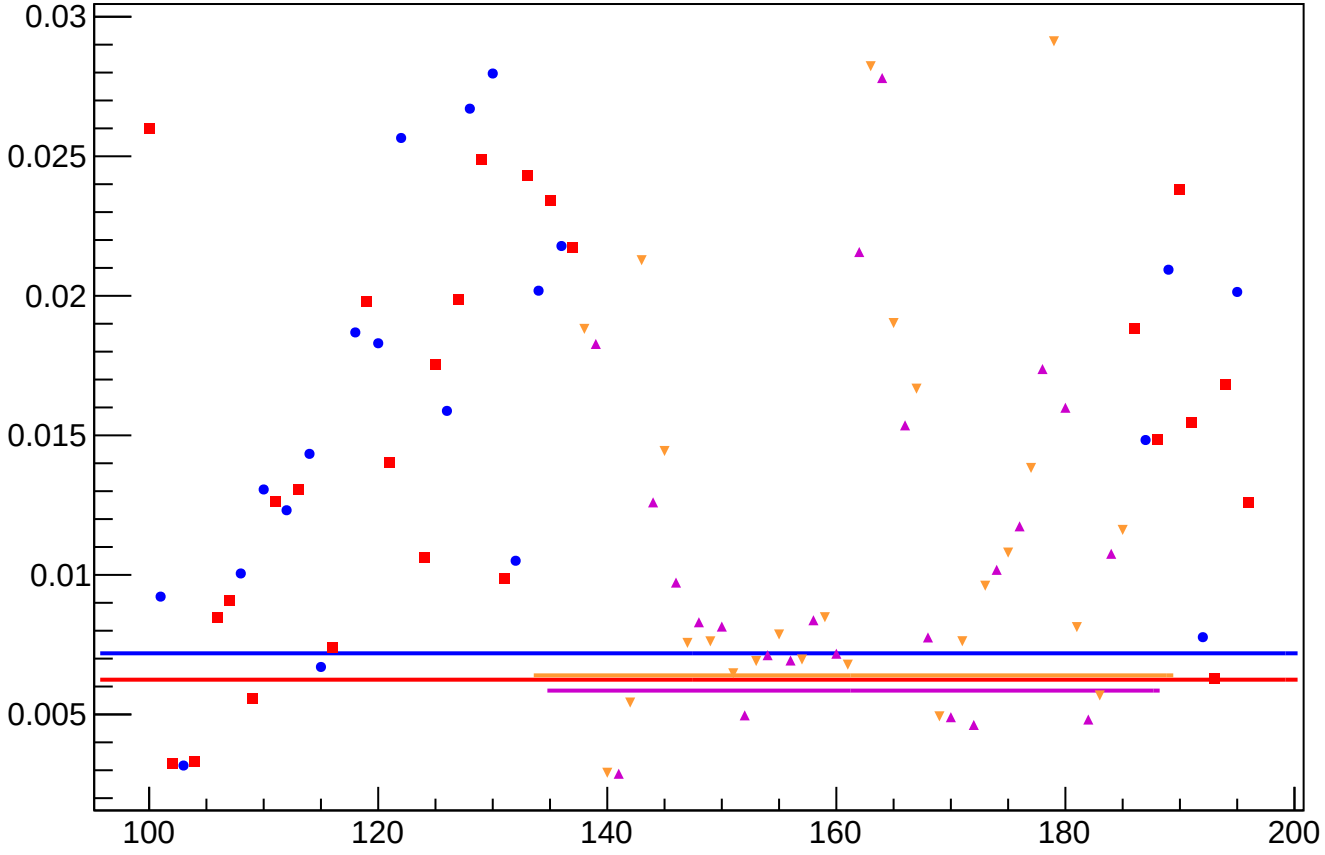
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.6/44

All: -0.000+/-0.000 χ^2/NDF: 137.2/93

- 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: 7222263.8/19

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8587992.5/25

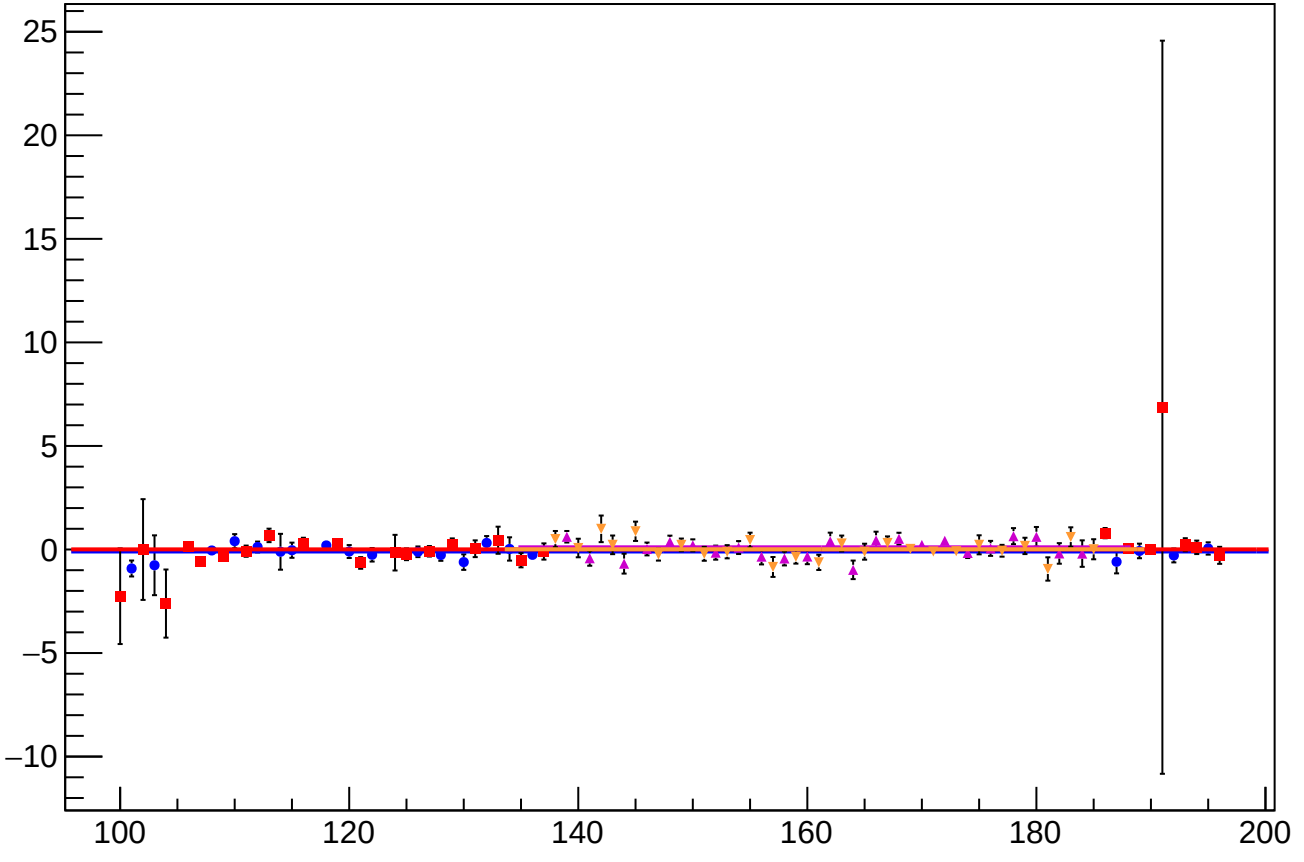
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 16288377.6/44

All: 0.006+/-0.000 χ^2/NDF: 33241254.8/93

- sign 0.006+/-0.000 χ^2/NDF: 16770417.3/48

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

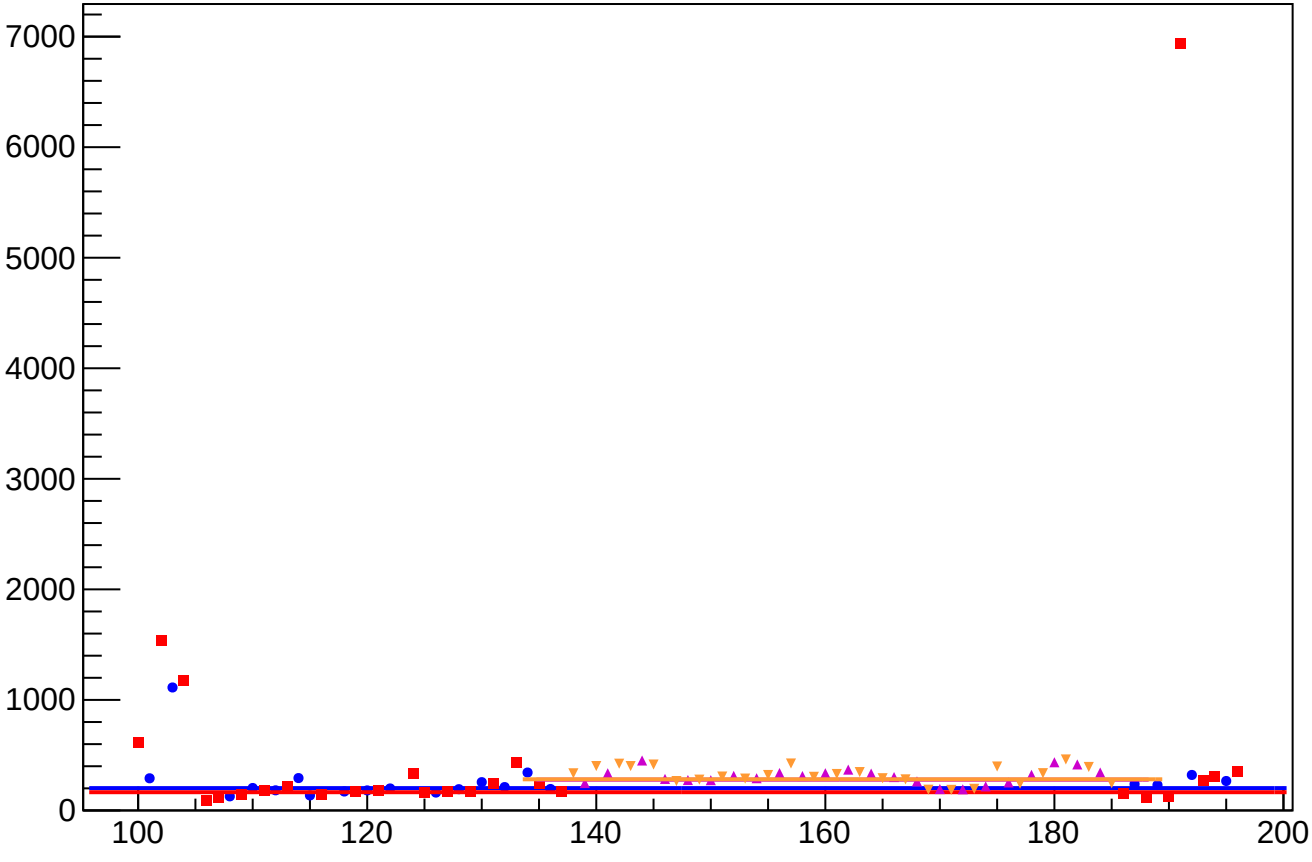
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.008+/-0.032 χ^2/NDF: 117.3/93

- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 202.120+/-0.050 χ^2/NDF: 1884006.4/19

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 165.066+/-0.040 χ^2/NDF: 4268097.1/25

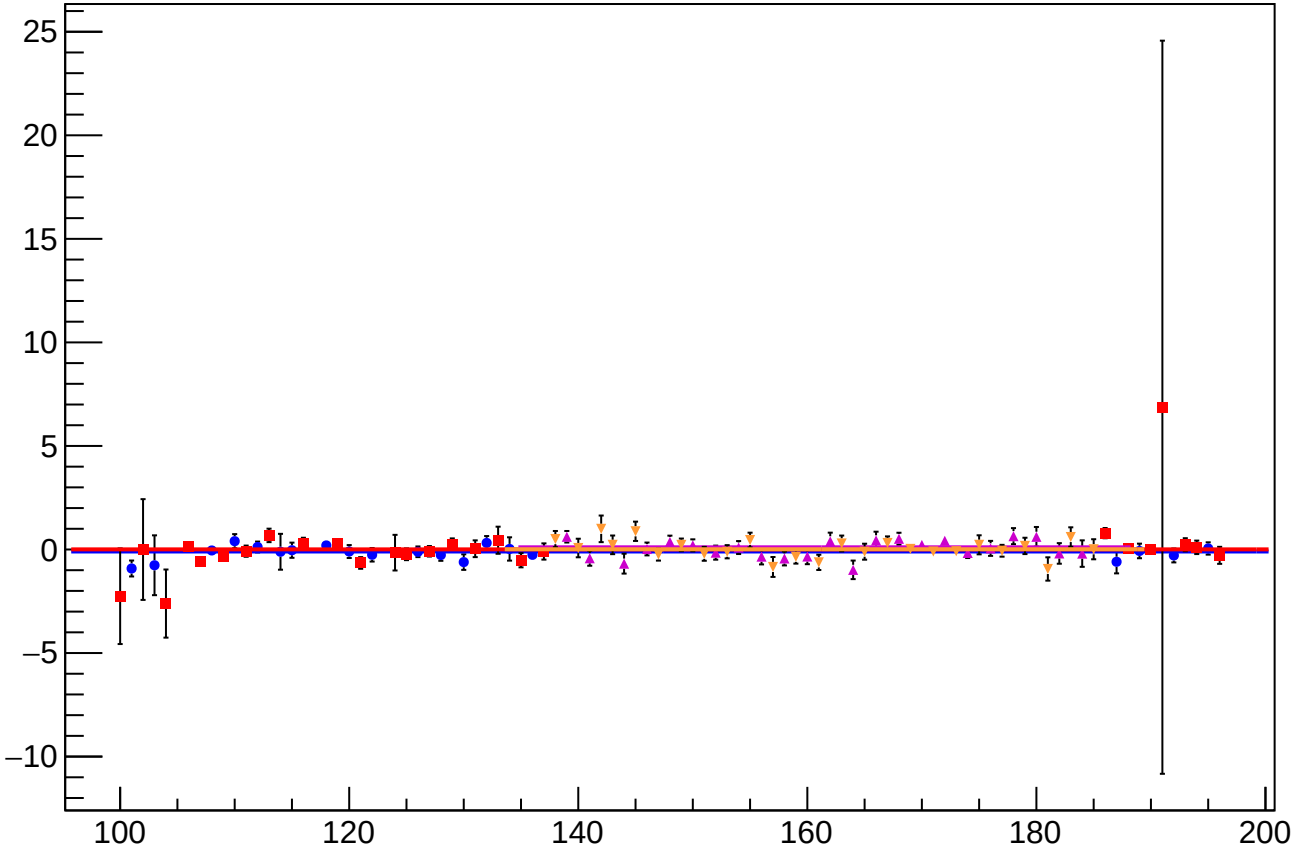
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 243.392+/-0.035 χ^2/NDF: 5727781.9/44

All: 224.841+/-0.023 χ^2/NDF: 15588309.6/93

- 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: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

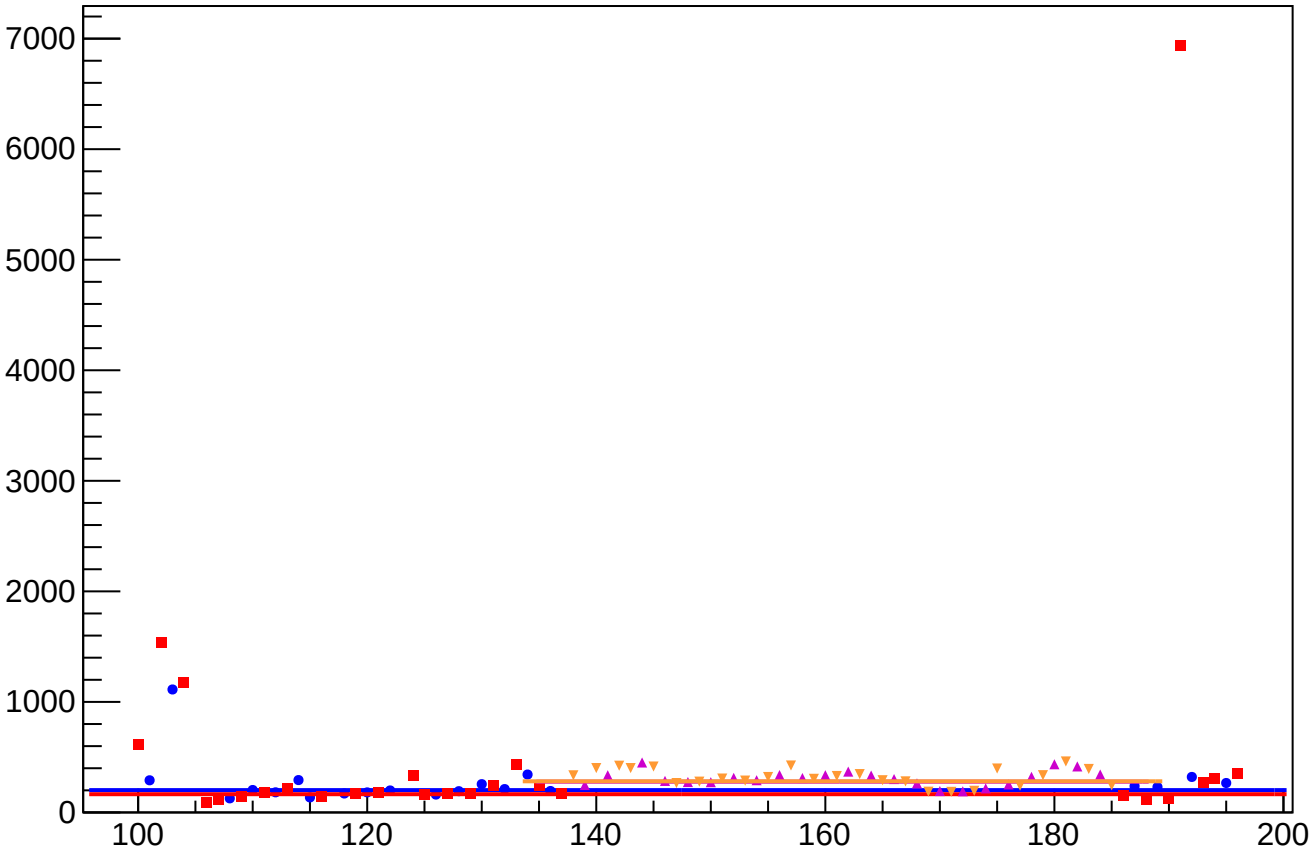
Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

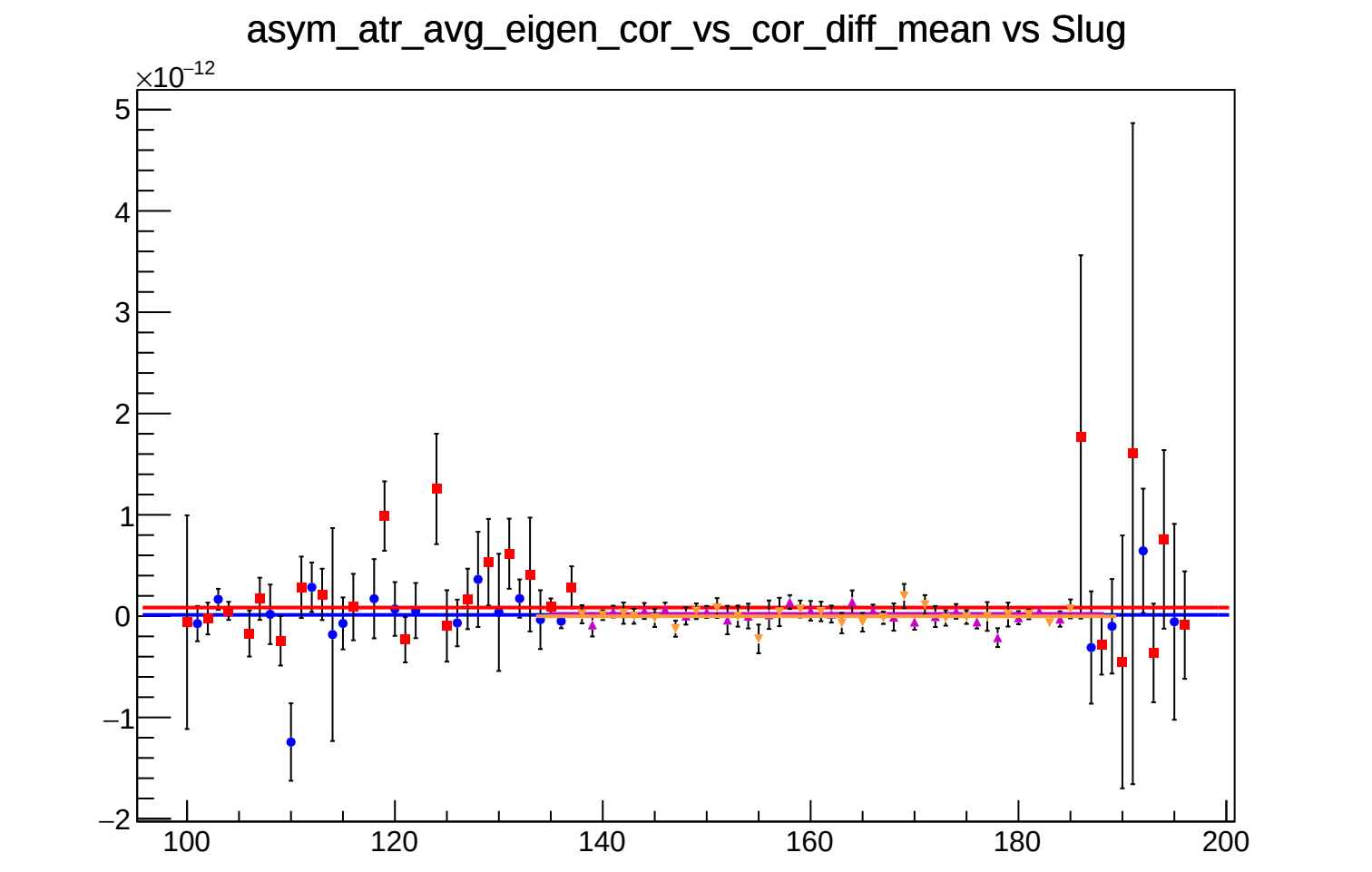
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.008+/-0.032 χ^2/NDF: 117.3/93

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 202.120+/-0.050 χ²/NDF: 1884006.4/19
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 165.066+/-0.040 χ²/NDF: 4268097.1/25
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 243.392+/-0.035 χ²/NDF: 5727781.9/44
All: 224.841+/-0.023 χ²/NDF: 15588309.6/93
- sign 210.309+/-0.031 χ²/NDF: 9348621.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/25

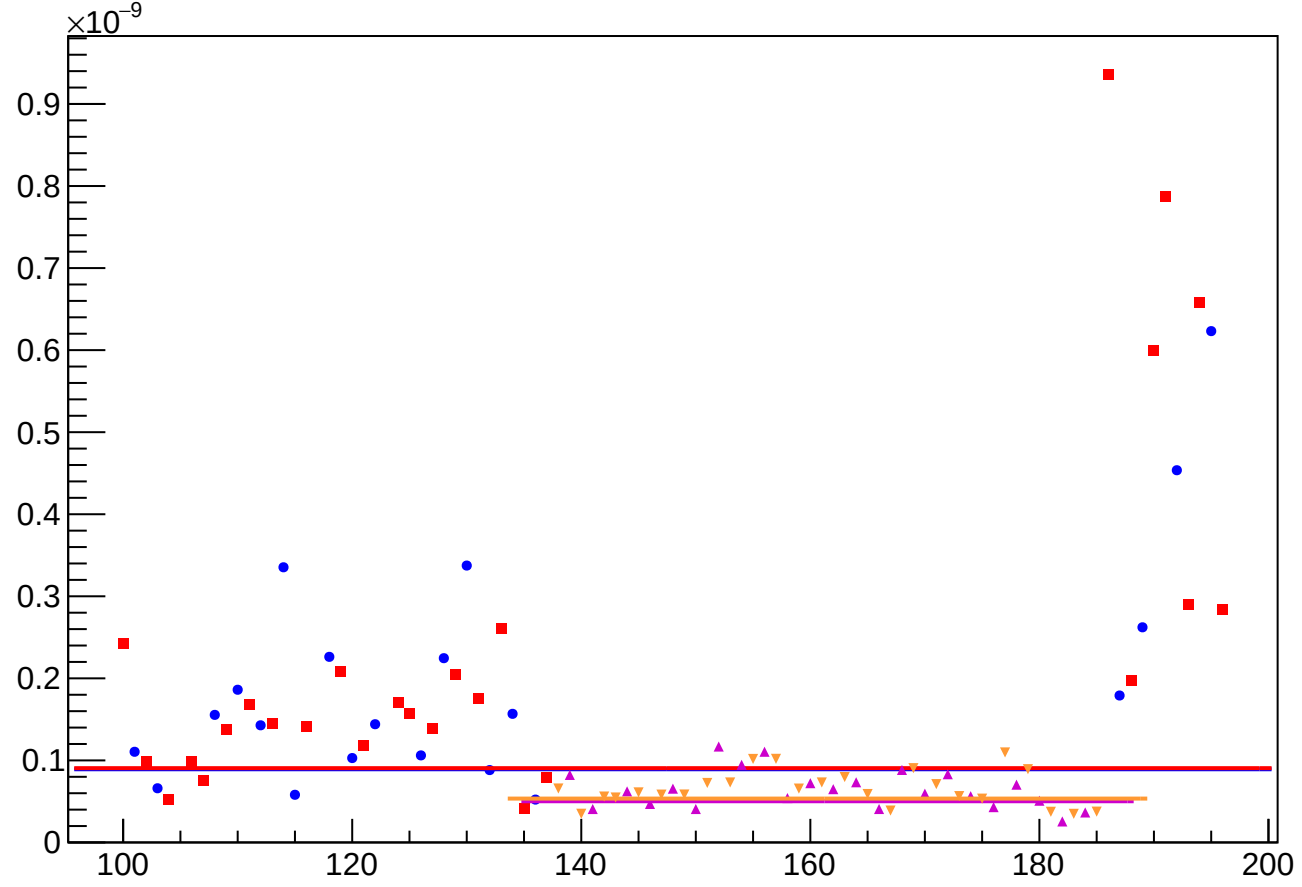
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/44

All: 0.000+/-0.000 χ^2/NDF: 82.2/93

- sign 0.000+/-0.000 χ^2/NDF: 46.3/48

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3779770.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4906911.9/25

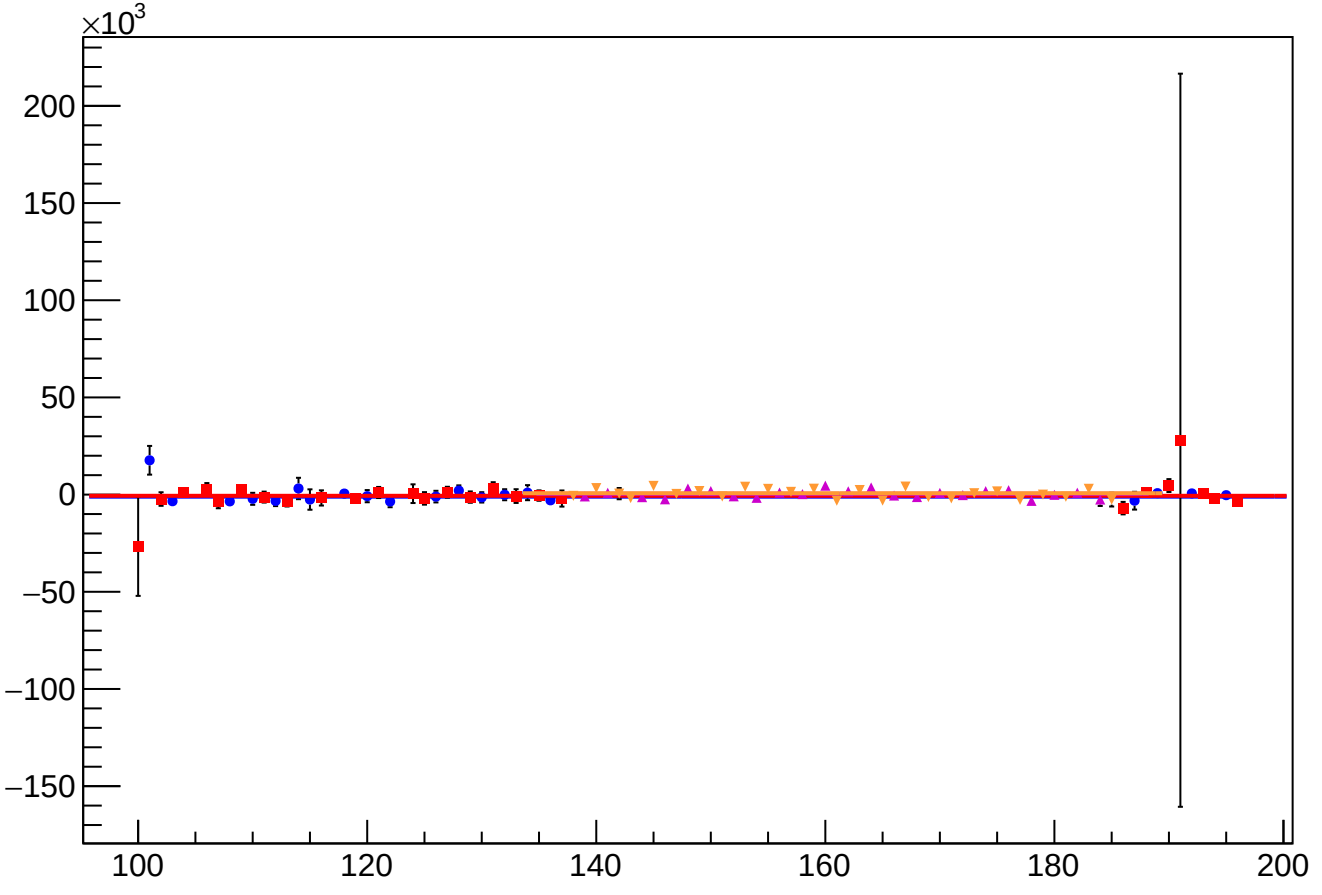
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7686007.8/44

All: 0.000+/-0.000 χ^2/NDF: 17503818.6/93

- sign 0.000+/-0.000 χ^2/NDF: 9784374.0/48

reg_asym_atr_dd_mean vs Slug



Right In: -1052.314+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -618.757+/-568.647 χ^2/NDF: 19.6/25

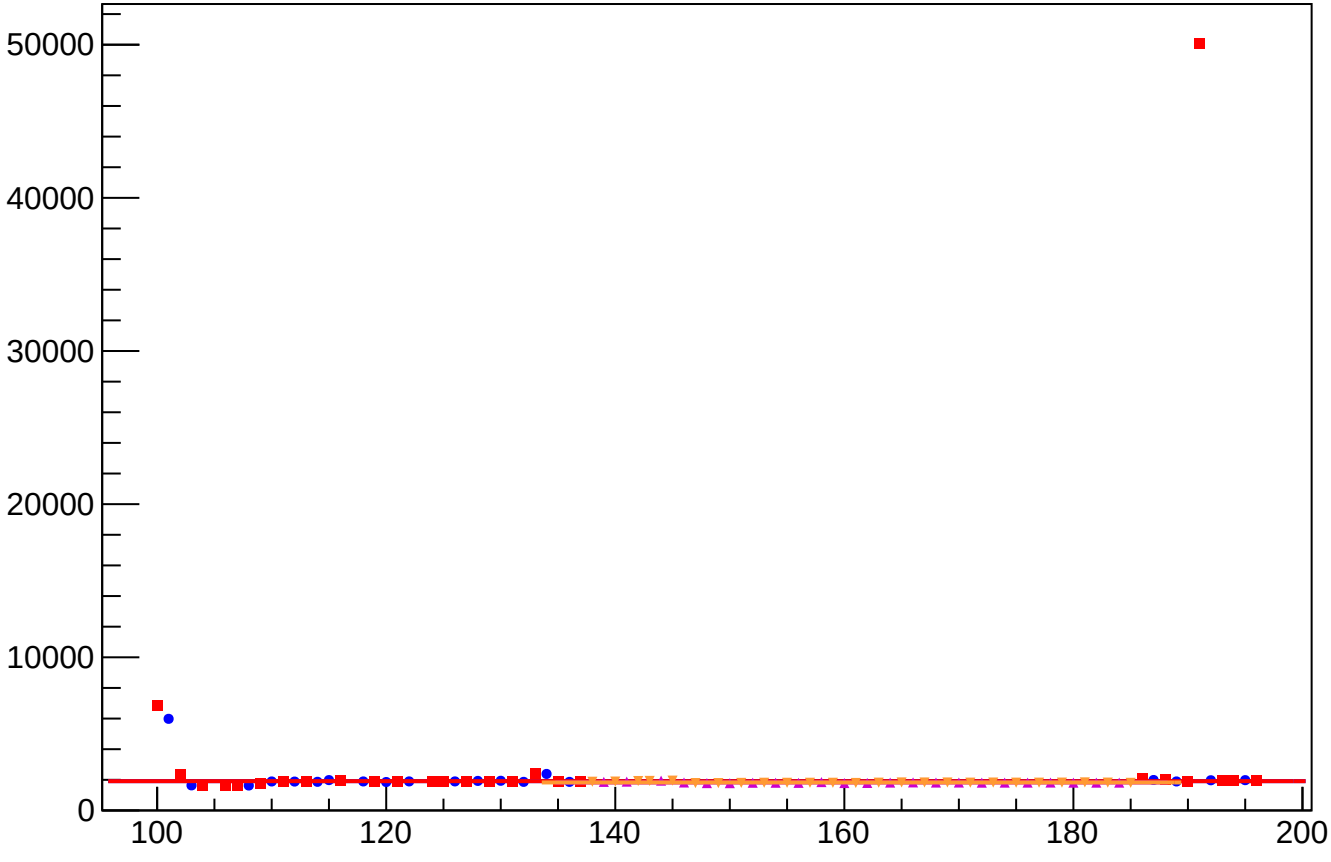
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 163.932+/-345.496 χ^2/NDF: 52.8/44

All: 98.914+/-242.715 χ^2/NDF: 95.2/93

- sign 35.559+/-341.050 χ^2/NDF: 42.4/48

reg_asym_atr_dd_rms vs Slug



Right In: 1914.223+/-0.440 χ^2/NDF: 702615.0/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

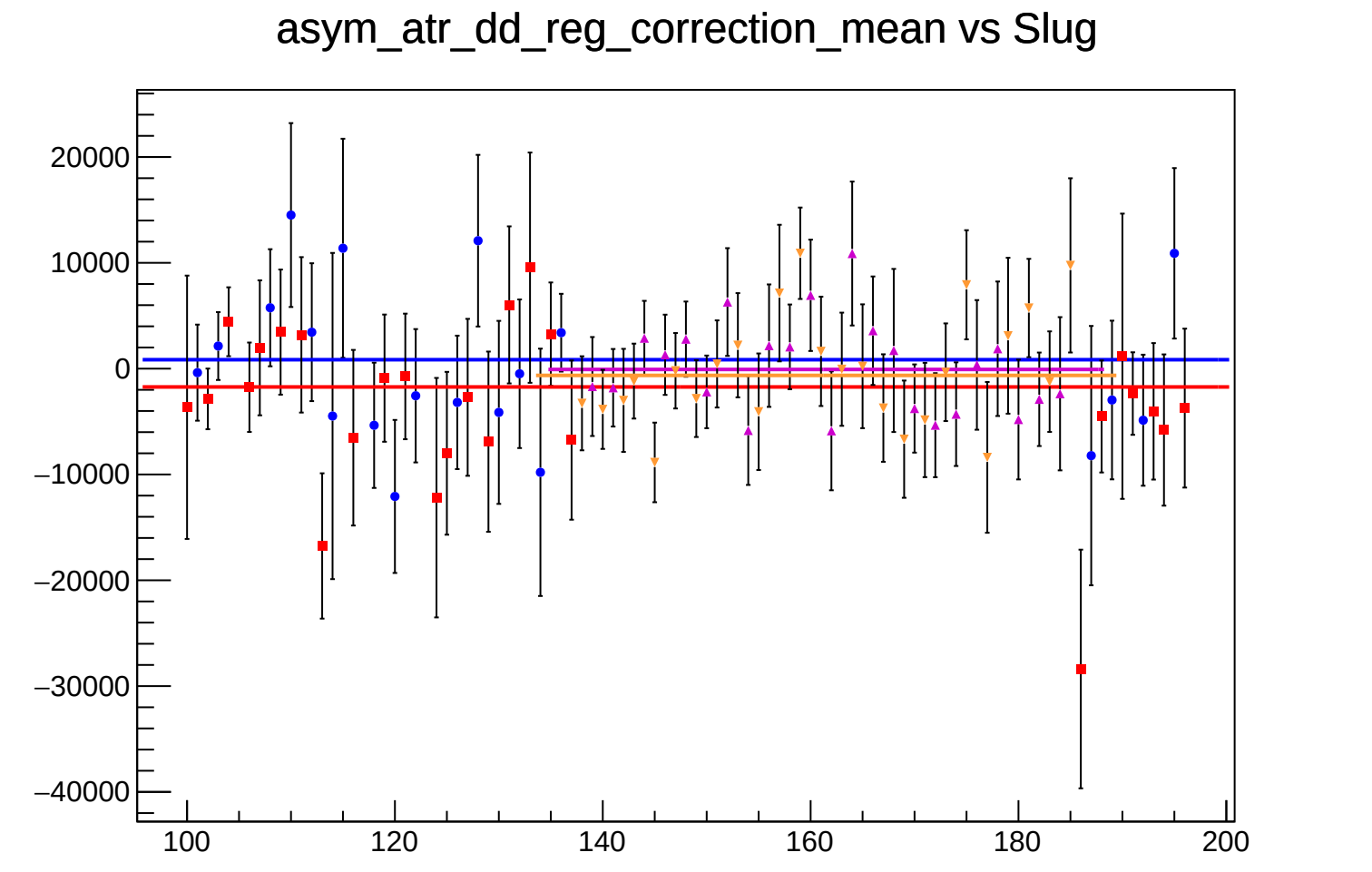
Right Out: 1913.070+/-0.401 χ^2/NDF: 371137.7/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1855.822+/-0.172 χ^2/NDF: 1163578.3/93

- sign 1856.875+/-0.241 χ^2/NDF: 415187.2/48



Right In: 845.049+/-1382.857 χ^2/NDF: 16.6/19

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1729.452+/-1146.029 χ^2/NDF: 22.5/25

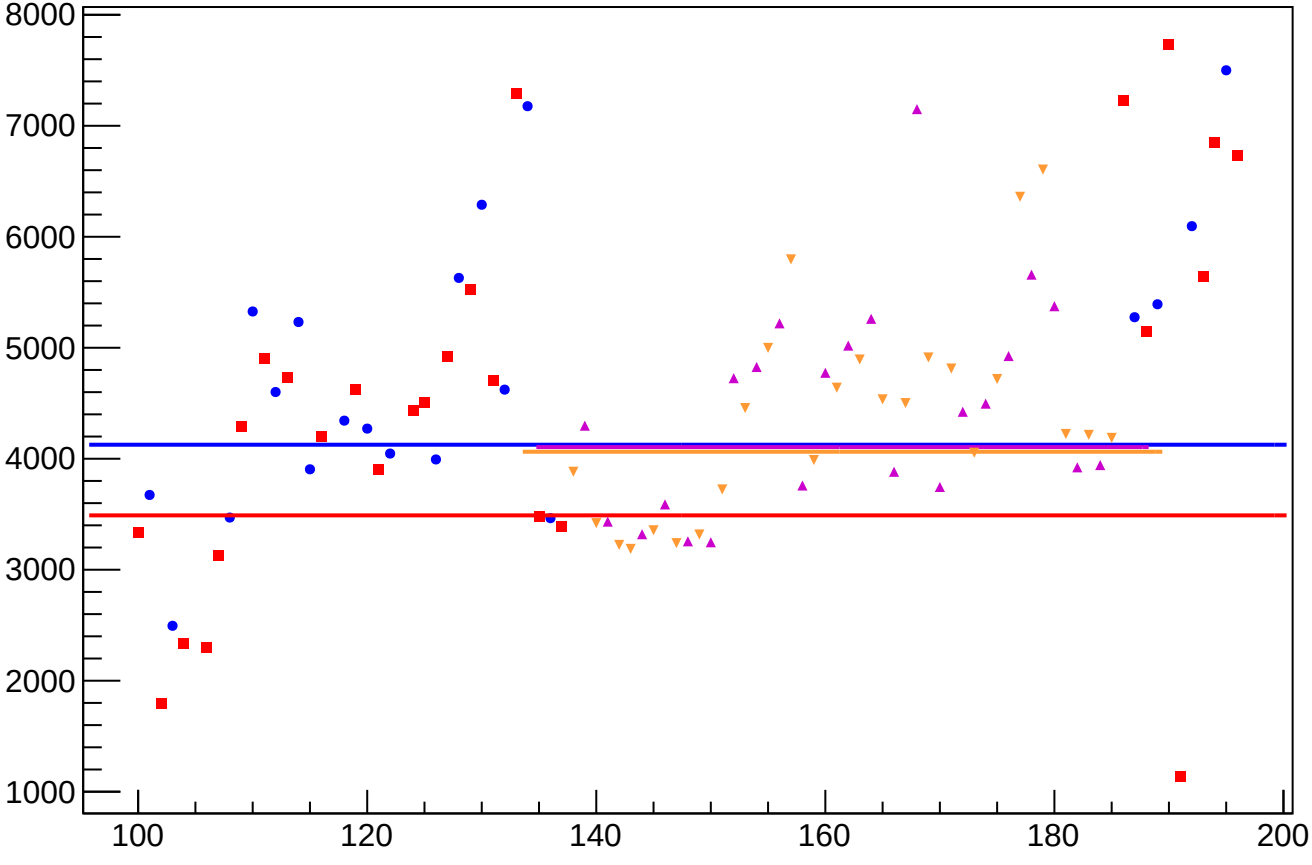
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -164.424+/-781.271 χ^2/NDF: 43.4/44

All: -483.958+/-539.131 χ^2/NDF: 82.9/93

- sign -774.449+/-744.920 χ^2/NDF: 39.2/48

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4126.344+/-0.978 χ^2/NDF: 1662519.7/19

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3489.809+/-0.810 χ^2/NDF: 4303052.5/25

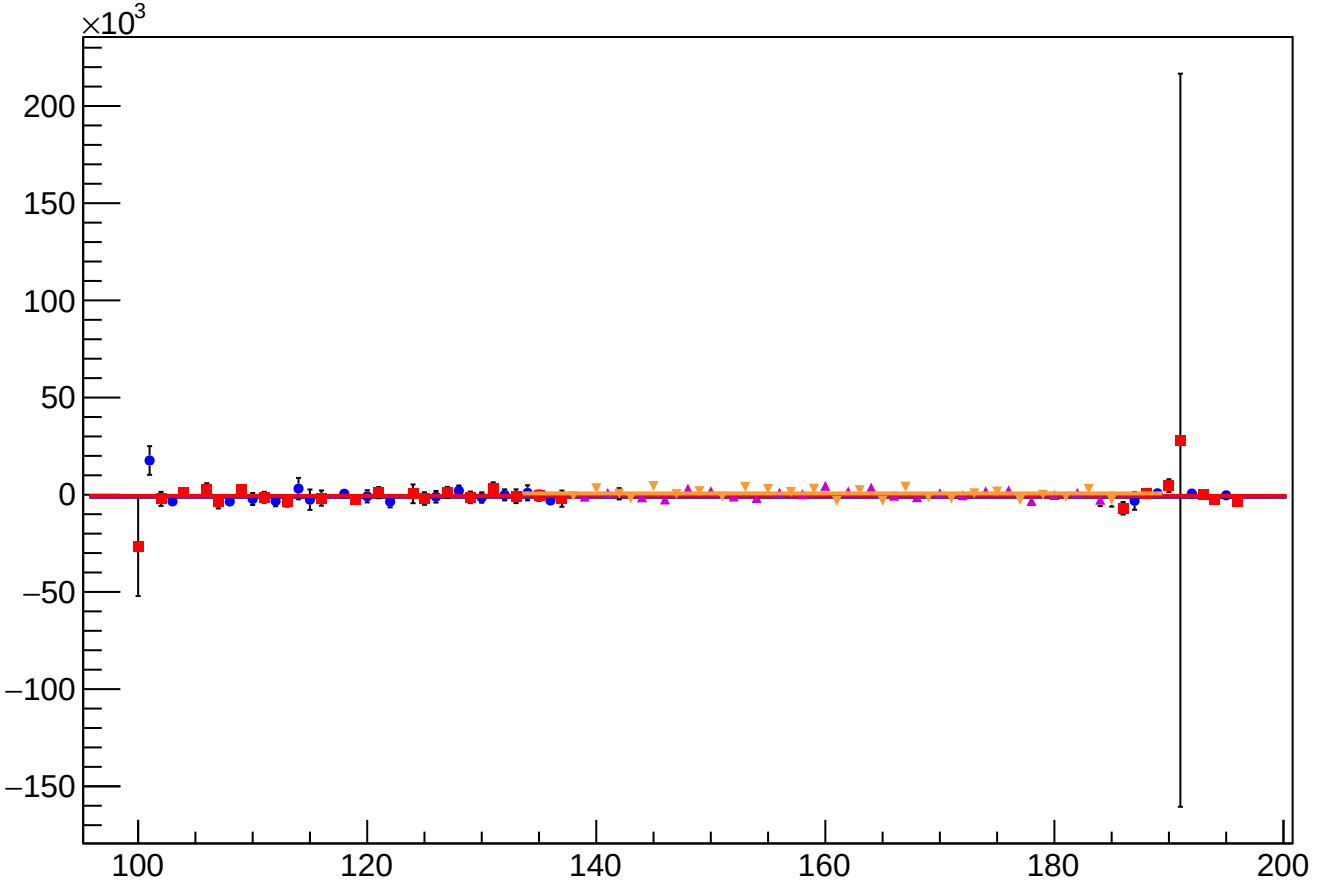
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4083.293+/-0.552 χ^2/NDF: 3070403.2/44

All: 3958.534+/-0.381 χ^2/NDF: 9163196.7/93

- sign 3845.114+/-0.527 χ^2/NDF: 5995428.8/48

cor_asym_atr_dd_mean vs Slug



Right In: -1052.593+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -612.407+/-569.149 χ^2/NDF: 19.5/25

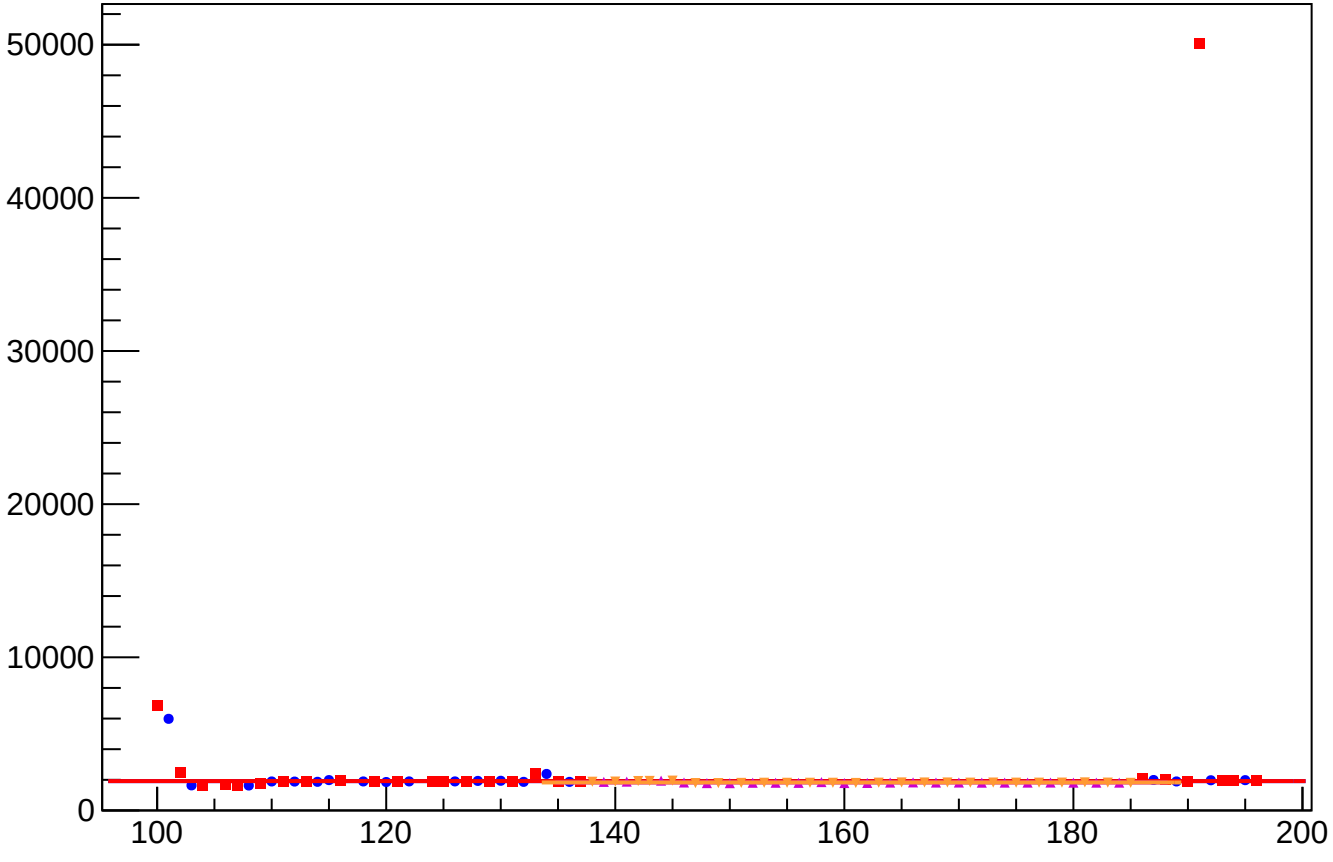
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 163.886+/-345.496 χ^2/NDF: 52.7/44

All: 100.224+/-242.754 χ^2/NDF: 95.1/93

- sign 38.151+/-341.158 χ^2/NDF: 42.3/48

cor_asym_atr_dd_rms vs Slug



Right In: 1914.222+/-0.440 χ^2/NDF: 702615.2/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

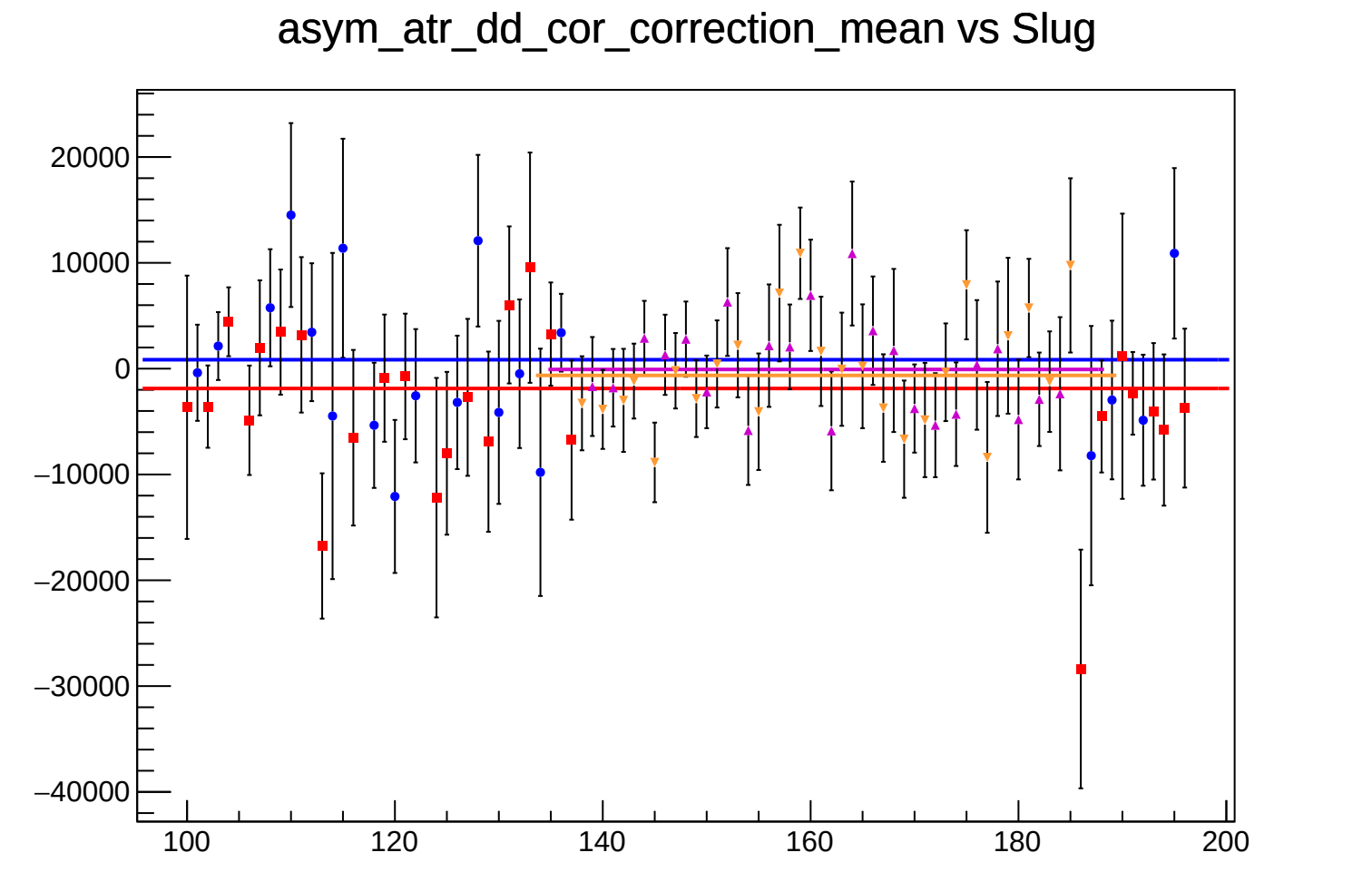
Right Out: 1917.658+/-0.402 χ^2/NDF: 377934.5/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

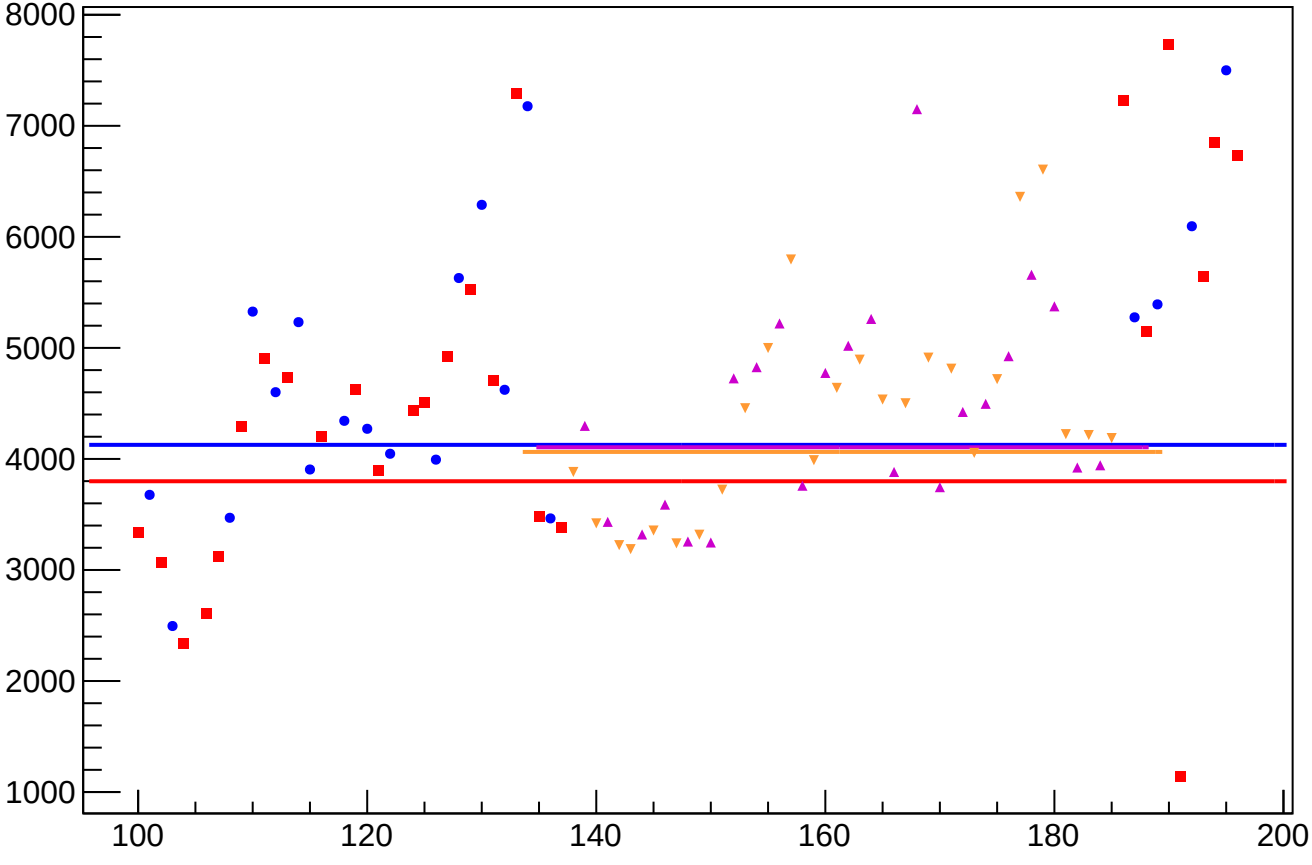
+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1856.615+/-0.172 χ^2/NDF: 1173648.9/93

- 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: 843.961+/-1382.998 χ²/NDF: 16.6/19
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 -164.849+/-781.296 χ²/NDF: 43.4/44
All: -486.337+/-545.070 χ²/NDF: 83.4/93
- sign -791.183+/-760.803 χ²/NDF: 39.7/48

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4126.864+/-0.978 χ^2/NDF: 1661753.8/19

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

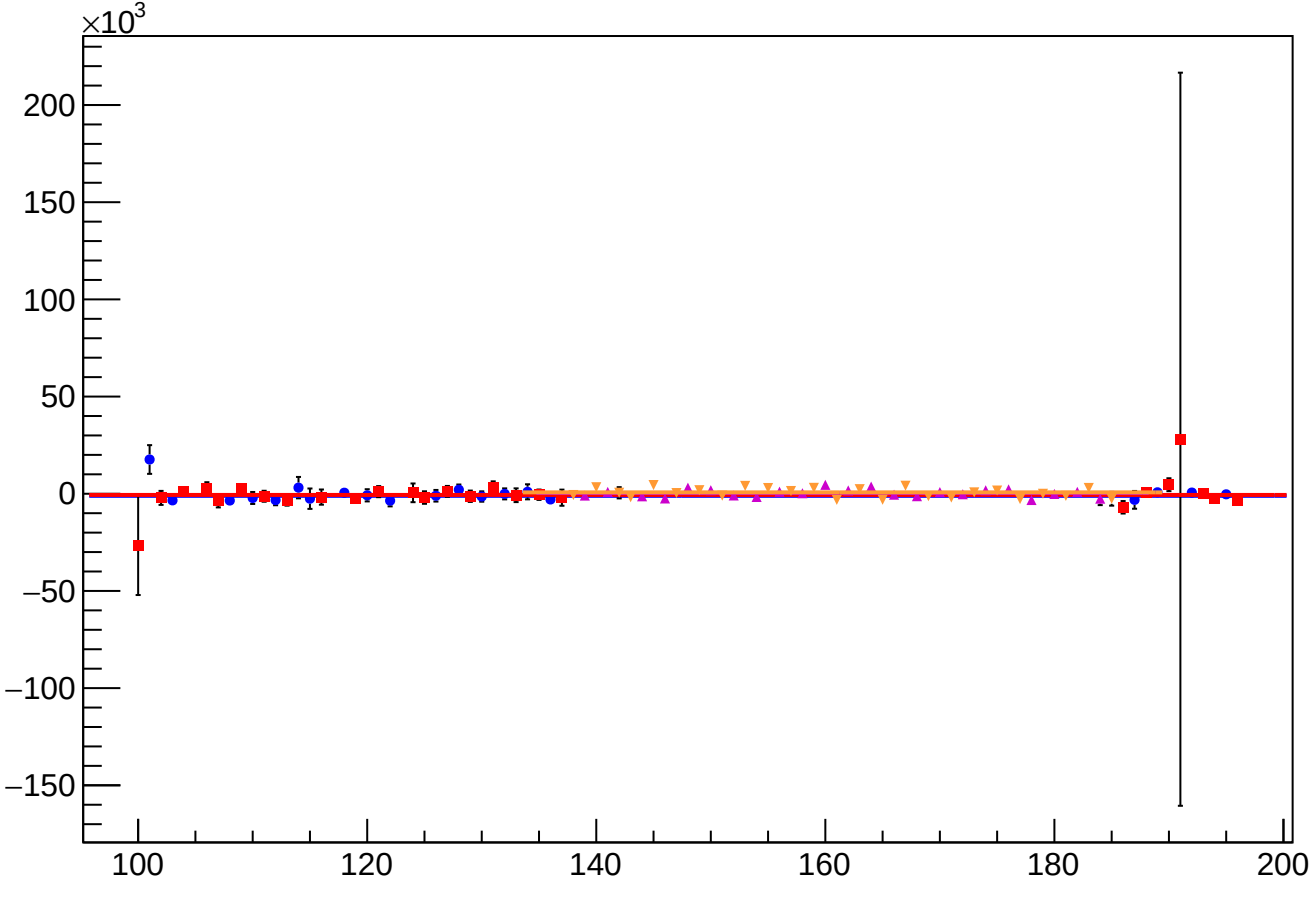
Right Out: 3799.040+/-0.853 χ^2/NDF: 3393395.6/25

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4083.454+/-0.552 χ^2/NDF: 3069678.4/44

All: 4032.086+/-0.385 χ^2/NDF: 7916917.1/93

- sign 3983.377+/-0.538 χ^2/NDF: 4830395.6/48



Right In: -1052.593+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -612.407+/-569.149 χ^2/NDF: 19.5/25

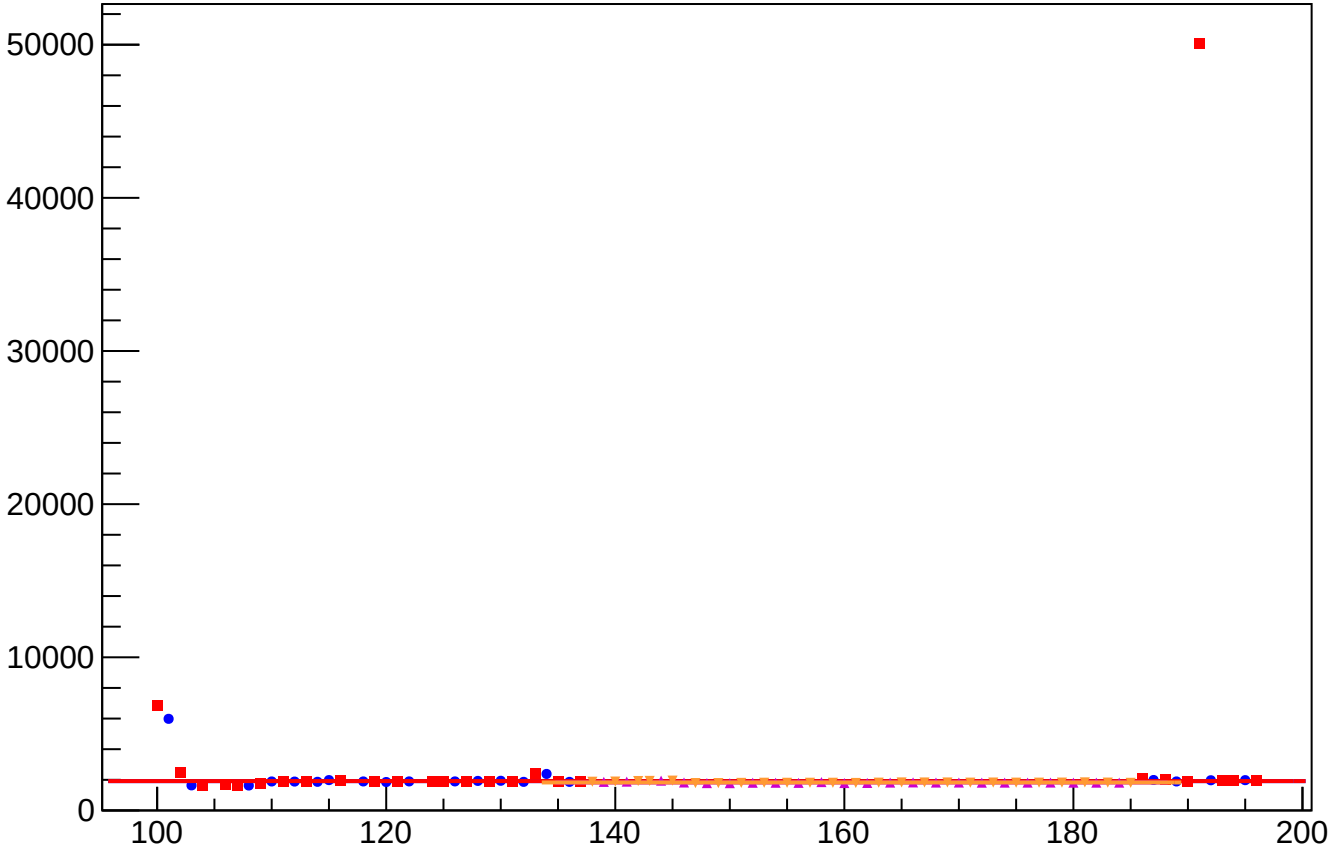
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 163.886+/-345.496 χ^2/NDF: 52.7/44

All: 100.224+/-242.754 χ^2/NDF: 95.1/93

- sign 38.151+/-341.158 χ^2/NDF: 42.3/48

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1914.222+/-0.440 χ^2/NDF: 702615.2/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

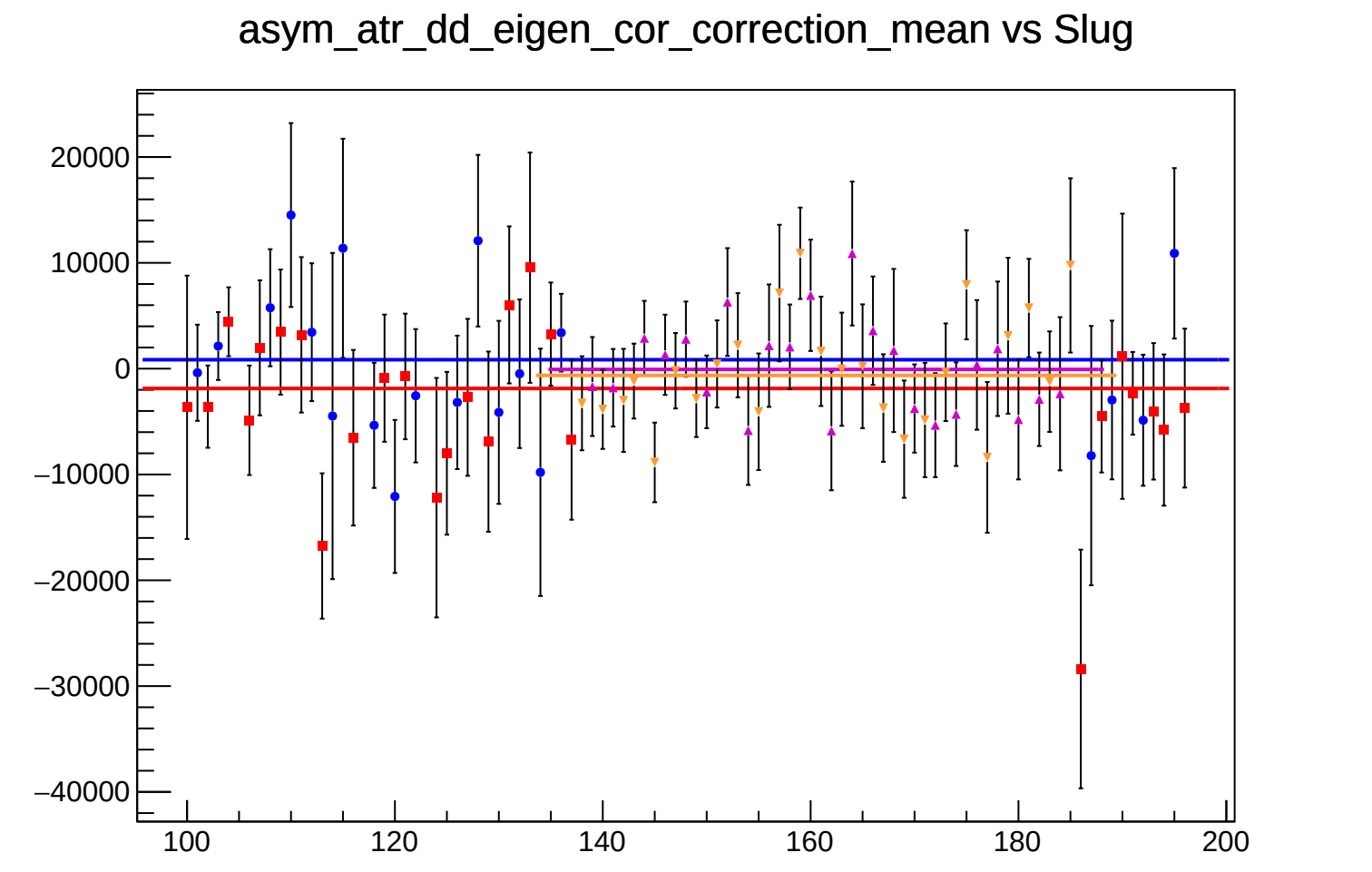
Right Out: 1917.658+/-0.402 χ^2/NDF: 377934.5/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1856.615+/-0.172 χ^2/NDF: 1173648.9/93

- sign 1858.441+/-0.241 χ^2/NDF: 425180.2/48



Right In: 843.961+/-1382.998 χ^2/NDF: 16.6/19

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1875.030+/-1206.548 χ^2/NDF: 22.9/25

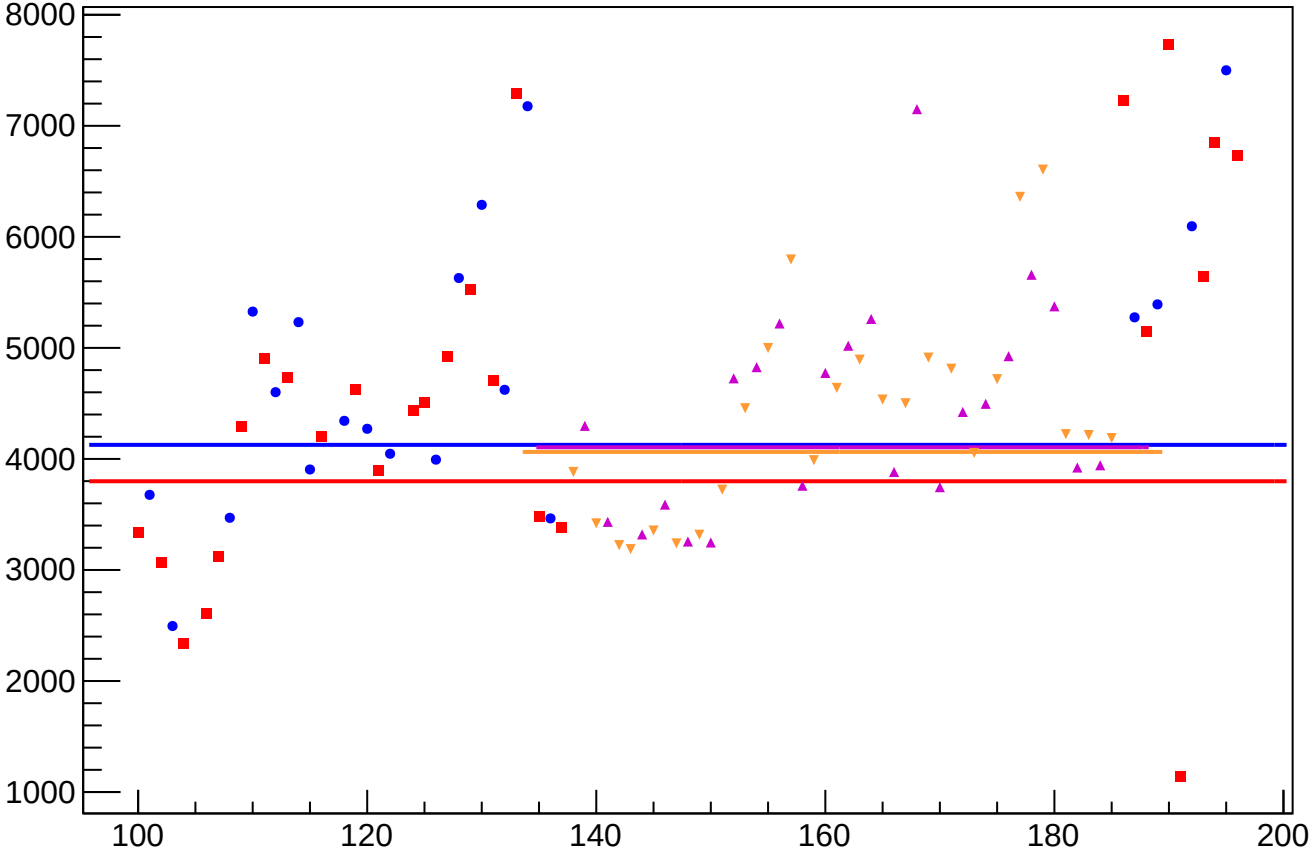
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -164.849+/-781.296 χ^2/NDF: 43.4/44

All: -486.337+/-545.070 χ^2/NDF: 83.4/93

- sign -791.183+/-760.803 χ^2/NDF: 39.7/48

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4126.864+/-0.978 χ^2/NDF: 1661753.8/19

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3799.040+/-0.853 χ^2/NDF: 3393395.6/25

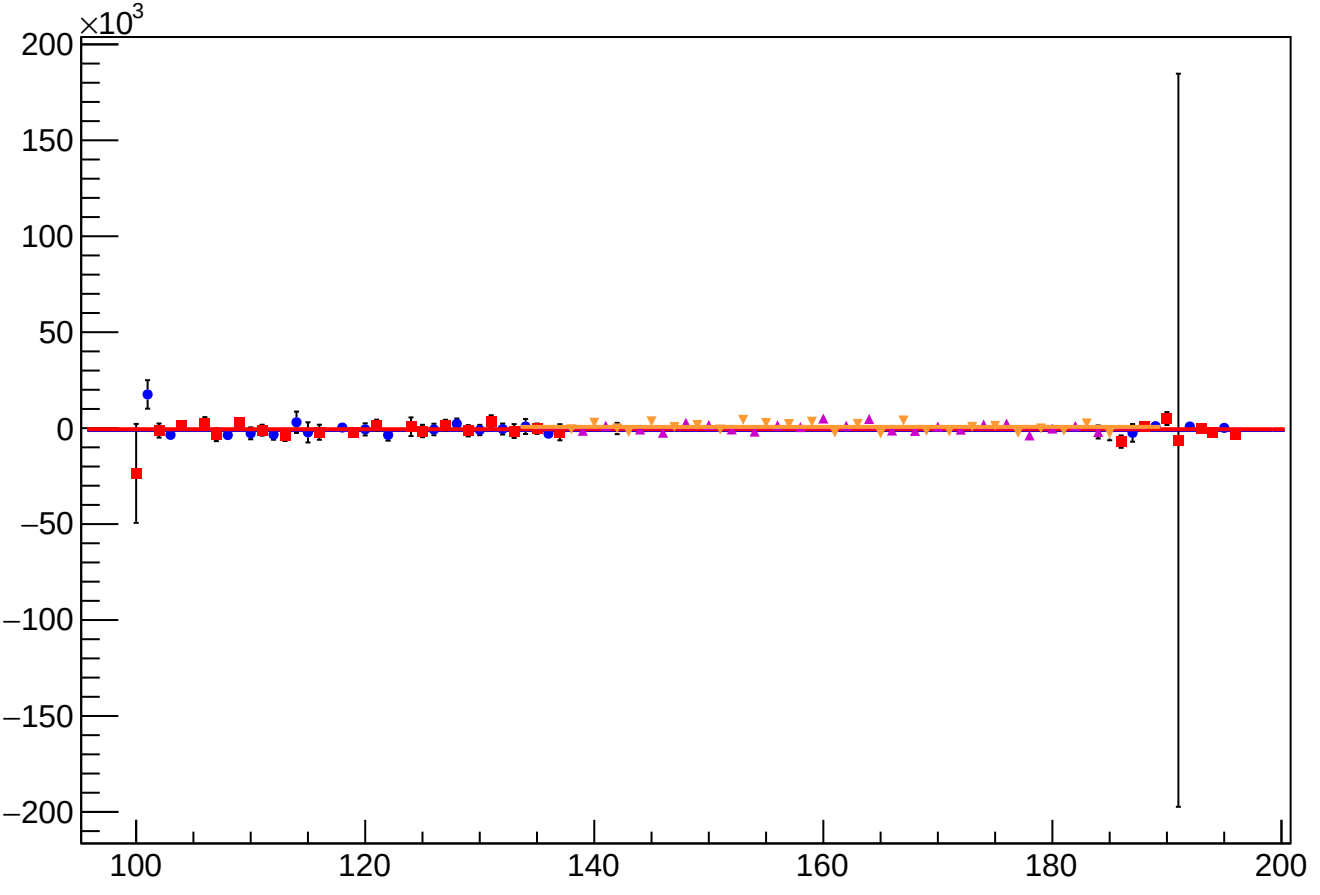
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4083.454+/-0.552 χ^2/NDF: 3069678.4/44

All: 4032.086+/-0.385 χ^2/NDF: 7916917.1/93

- sign 3983.377+/-0.538 χ^2/NDF: 4830395.6/48

dit_asym_atr_dd_mean vs Slug



Right In: -977.115+/-626.994 χ^2/NDF: 15.8/19

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -557.991+/-573.522 χ^2/NDF: 21.0/25

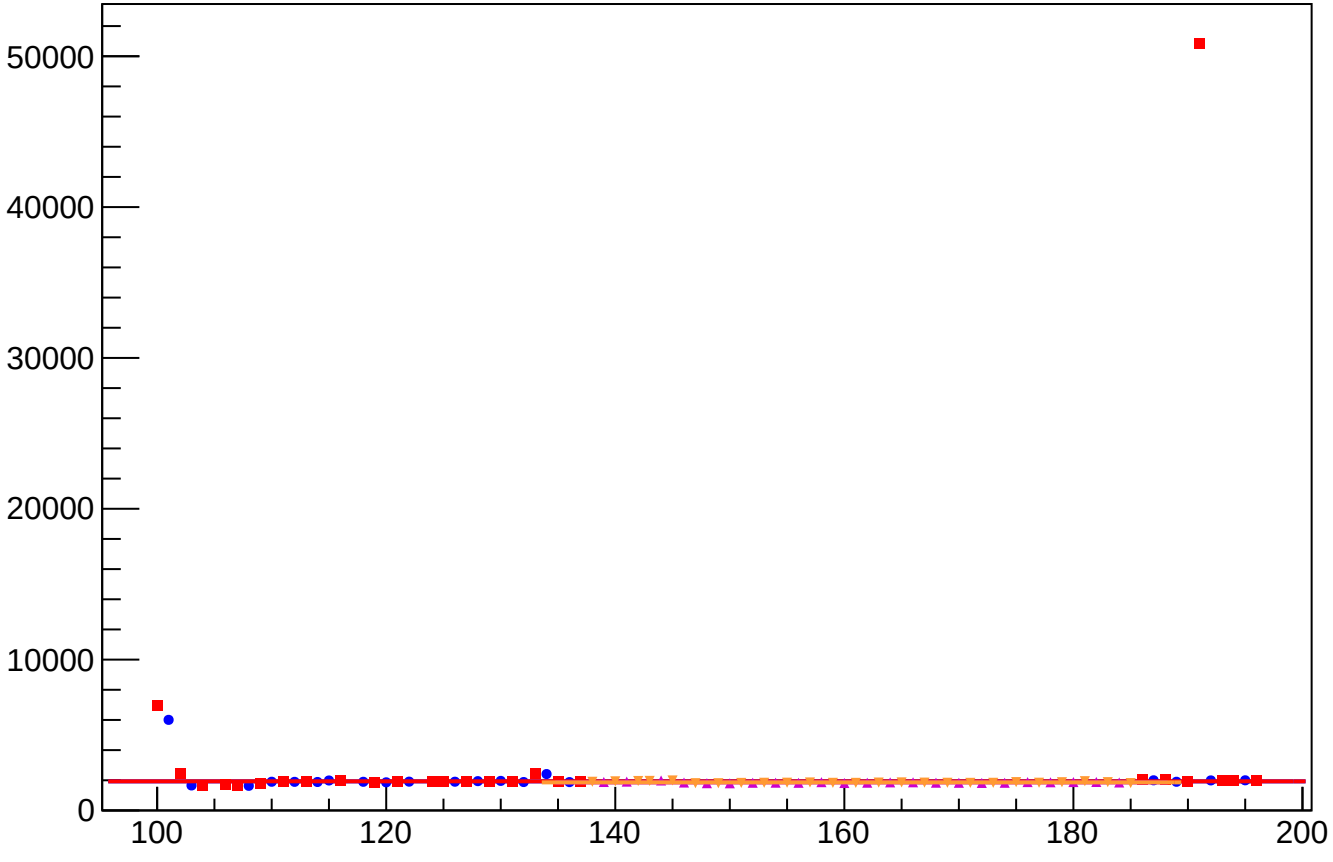
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.191+/-350.696 χ^2/NDF: 47.5/44

All: 101.619+/-246.305 χ^2/NDF: 94.0/93

- sign 58.231+/-346.006 χ^2/NDF: 46.5/48

dit_asym_atr_dd_rms vs Slug



Right In: 1928.507+/-0.443 χ^2/NDF: 702031.5/19

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1932.250+/-0.405 χ^2/NDF: 381811.0/25

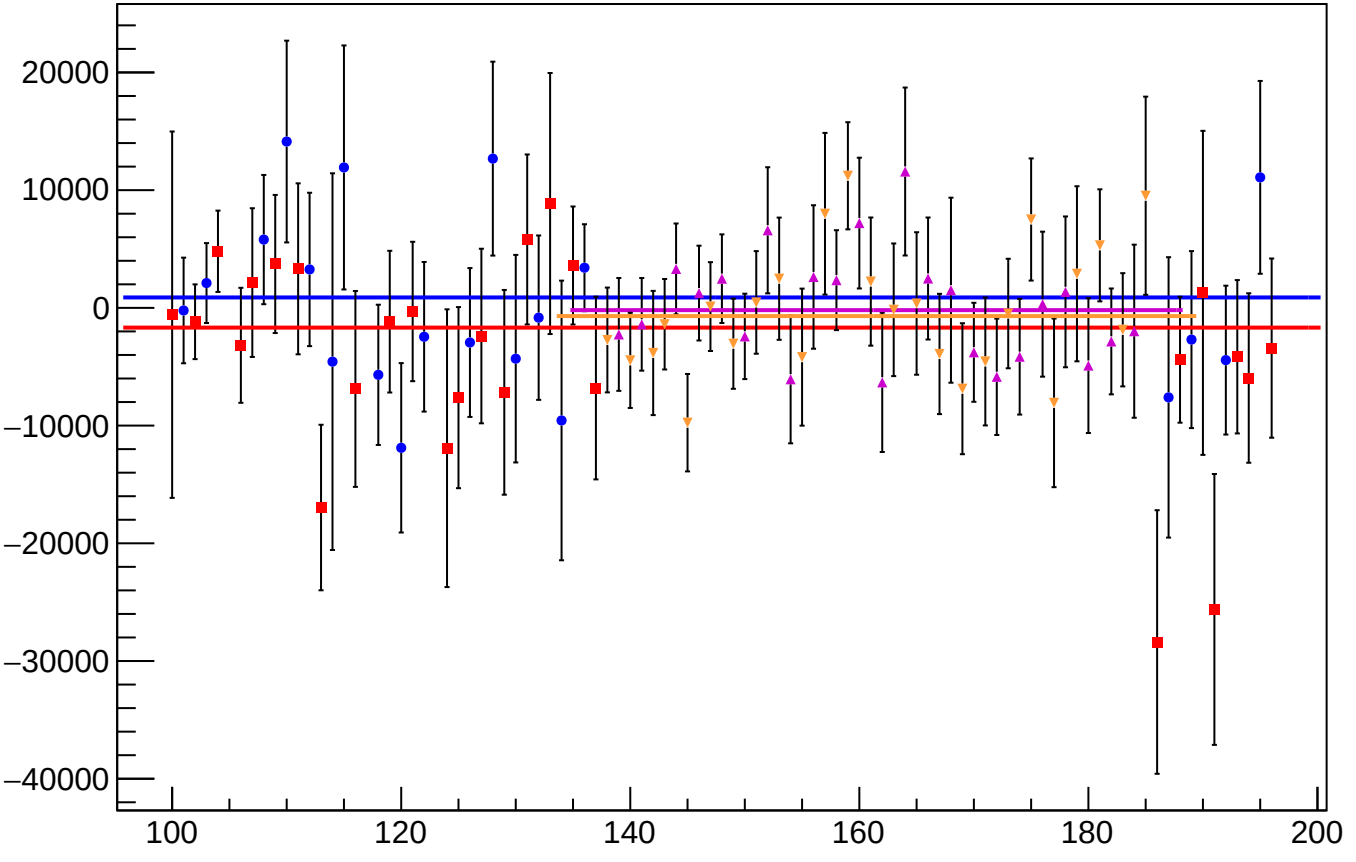
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1882.622+/-0.248 χ^2/NDF: 743634.8/44

All: 1883.743+/-0.174 χ^2/NDF: 1163402.2/93

- sign 1884.833+/-0.245 χ^2/NDF: 419727.2/48

asym_atr_dd_dit_correction_mean vs Slug



Right In: 886.239+/-1399.614 χ^2/NDF: 16.5/19

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1676.290+/-1242.177 χ^2/NDF: 26.7/25

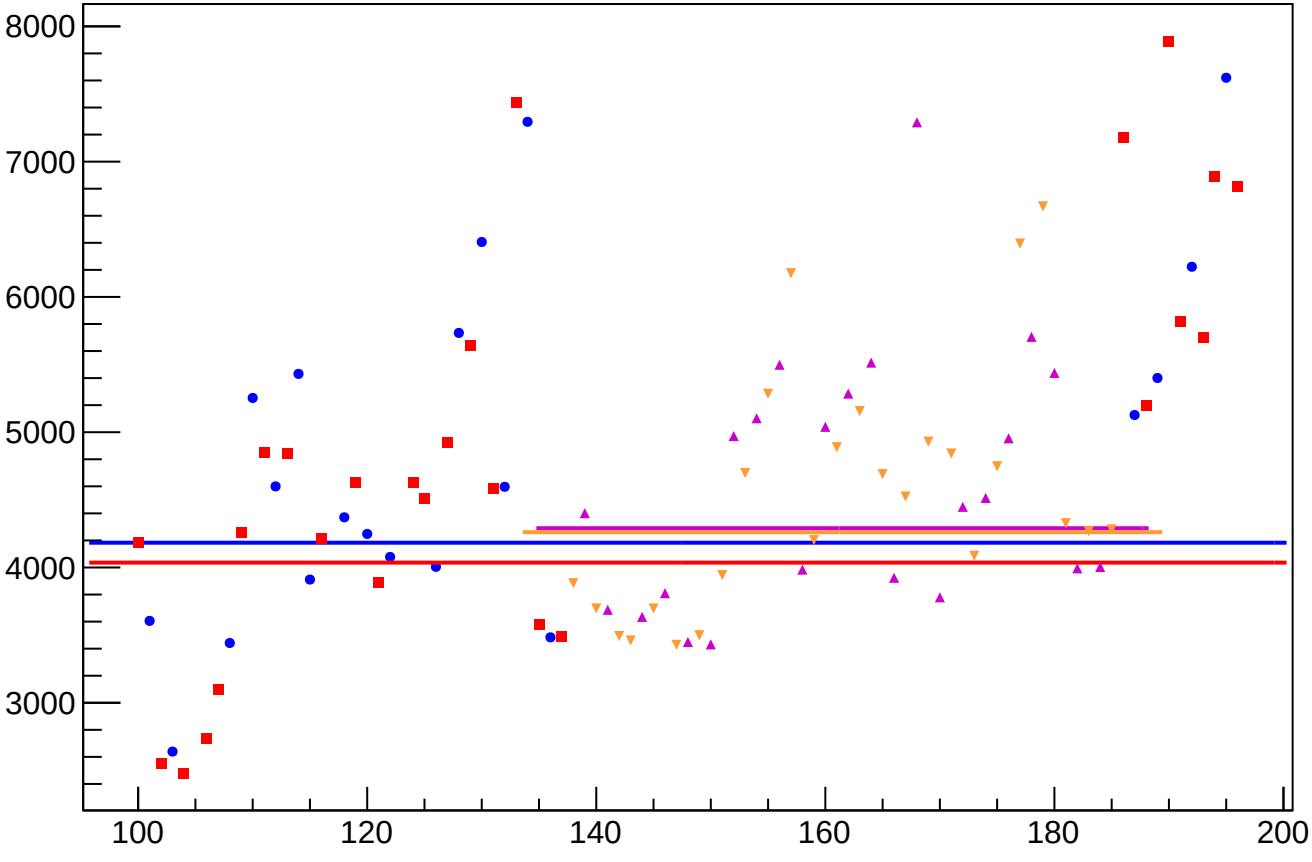
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -169.857+/-808.262 χ^2/NDF: 42.6/44

All: -488.146+/-564.752 χ^2/NDF: 85.7/93

- sign -791.777+/-789.431 χ^2/NDF: 42.7/48

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4183.292+/-0.990 χ^2/NDF: 1580050.8/19

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4036.139+/-0.878 χ^2/NDF: 2609668.2/25

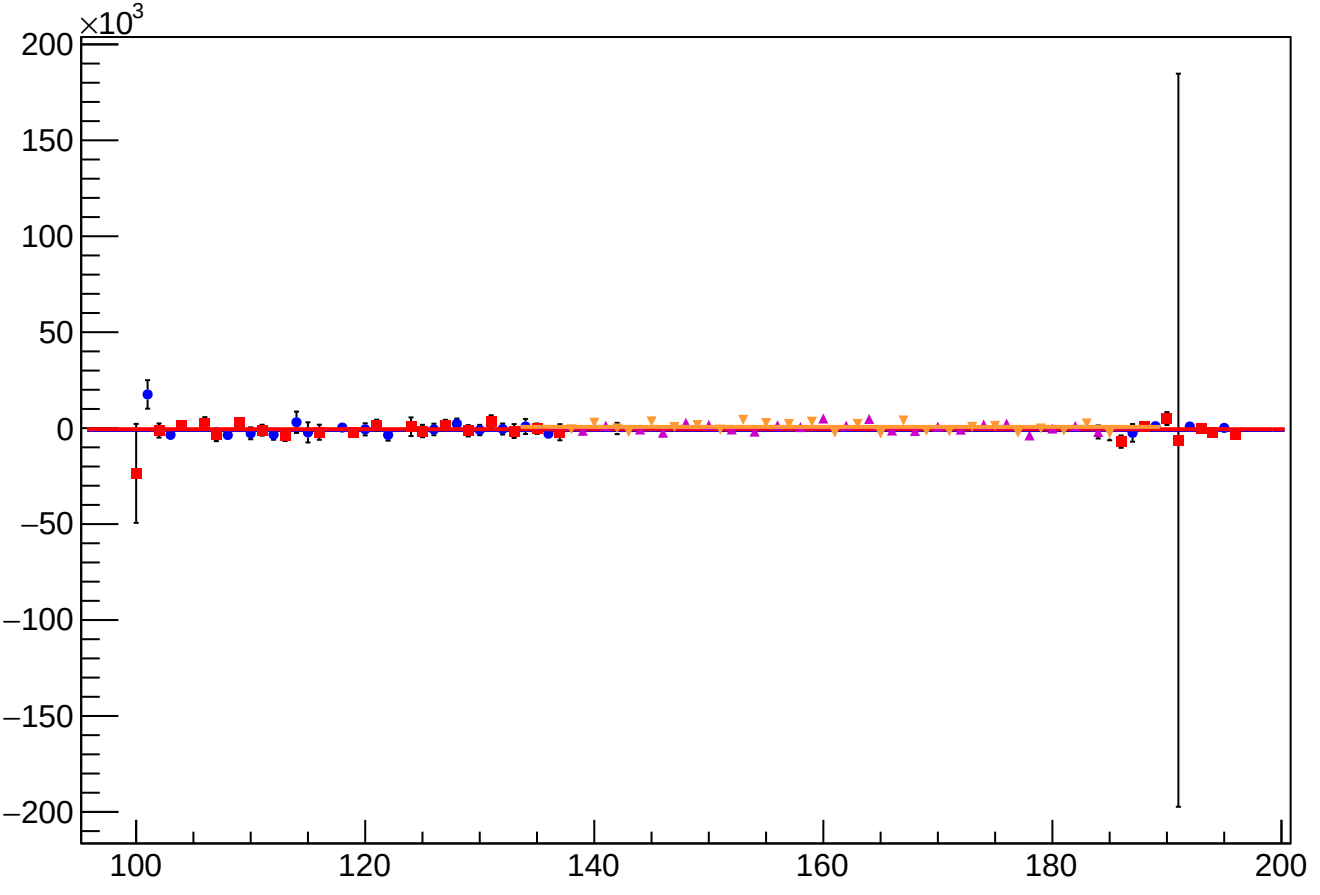
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

\+ sign 4235.167+/-0.572 χ^2/NDF: 2774734.4/44

All: 4210.877+/-0.399 χ^2/NDF: 6651847.8/93

\- sign 4187.706+/-0.558 χ^2/NDF: 3873583.9/48

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -977.118+/-626.994 χ^2/NDF: 15.8/19

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -557.987+/-573.522 χ^2/NDF: 21.0/25

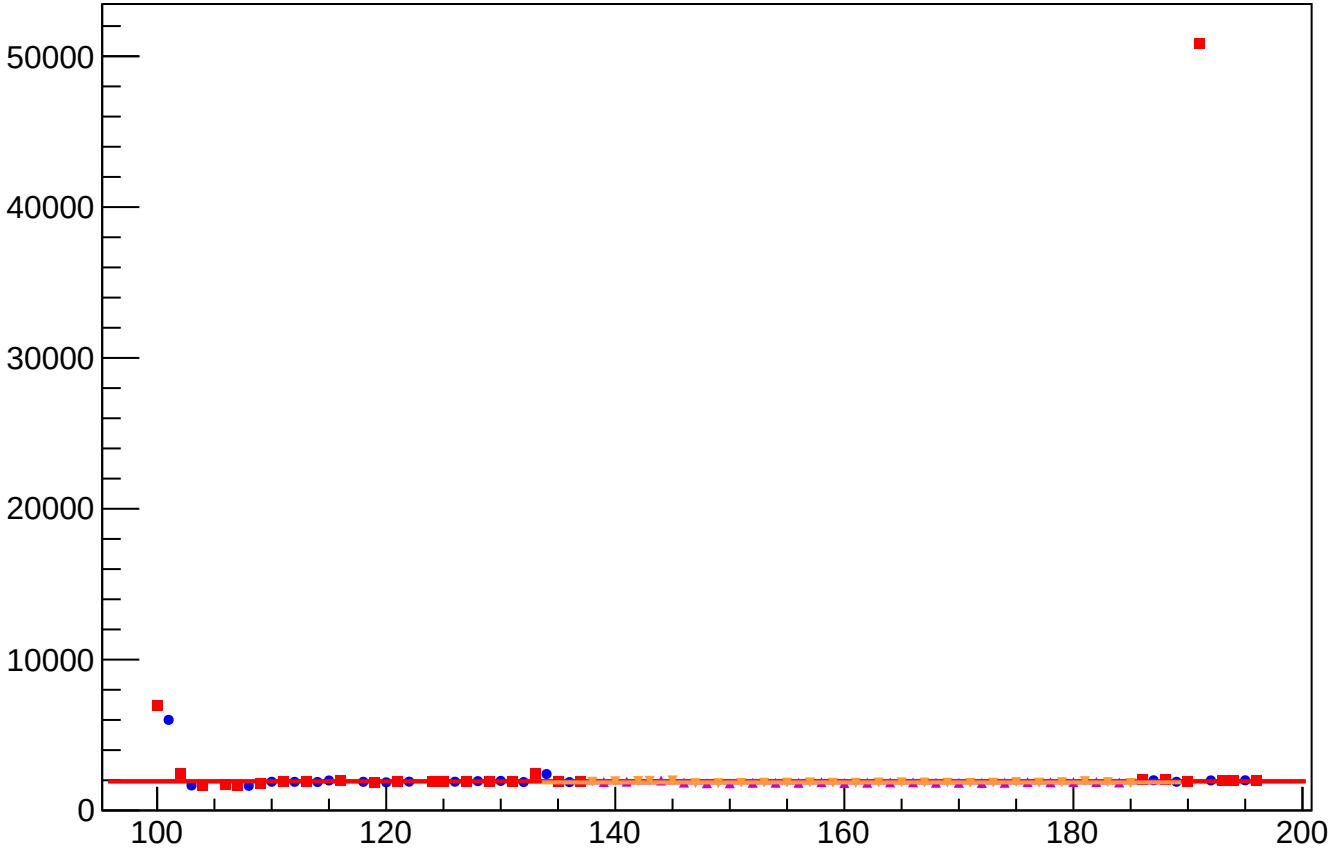
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.194+/-350.696 χ^2/NDF: 47.5/44

All: 101.621+/-246.305 χ^2/NDF: 94.0/93

- sign 58.233+/-346.006 χ^2/NDF: 46.5/48

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1928.507+/-0.443 χ^2/NDF: 702031.4/19

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

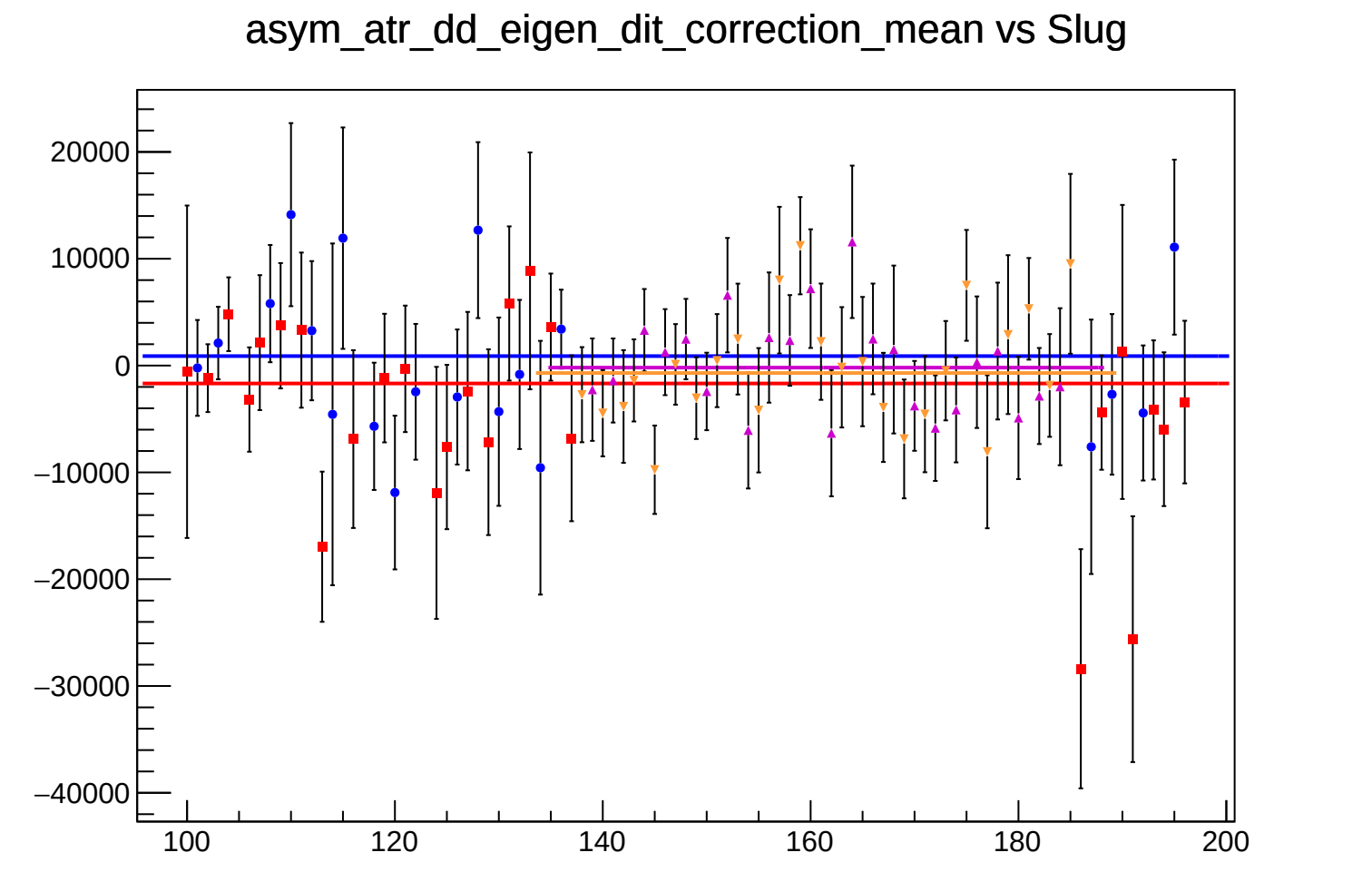
Right Out: 1932.250+/-0.405 χ^2/NDF: 381811.1/25

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1882.622+/-0.248 χ^2/NDF: 743634.3/44

All: 1883.743+/-0.174 χ^2/NDF: 1163401.5/93

- sign 1884.834+/-0.245 χ^2/NDF: 419726.8/48



Right In: 886.225+/-1399.613 χ^2/NDF: 16.5/19

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1676.288+/-1242.176 χ^2/NDF: 26.7/25

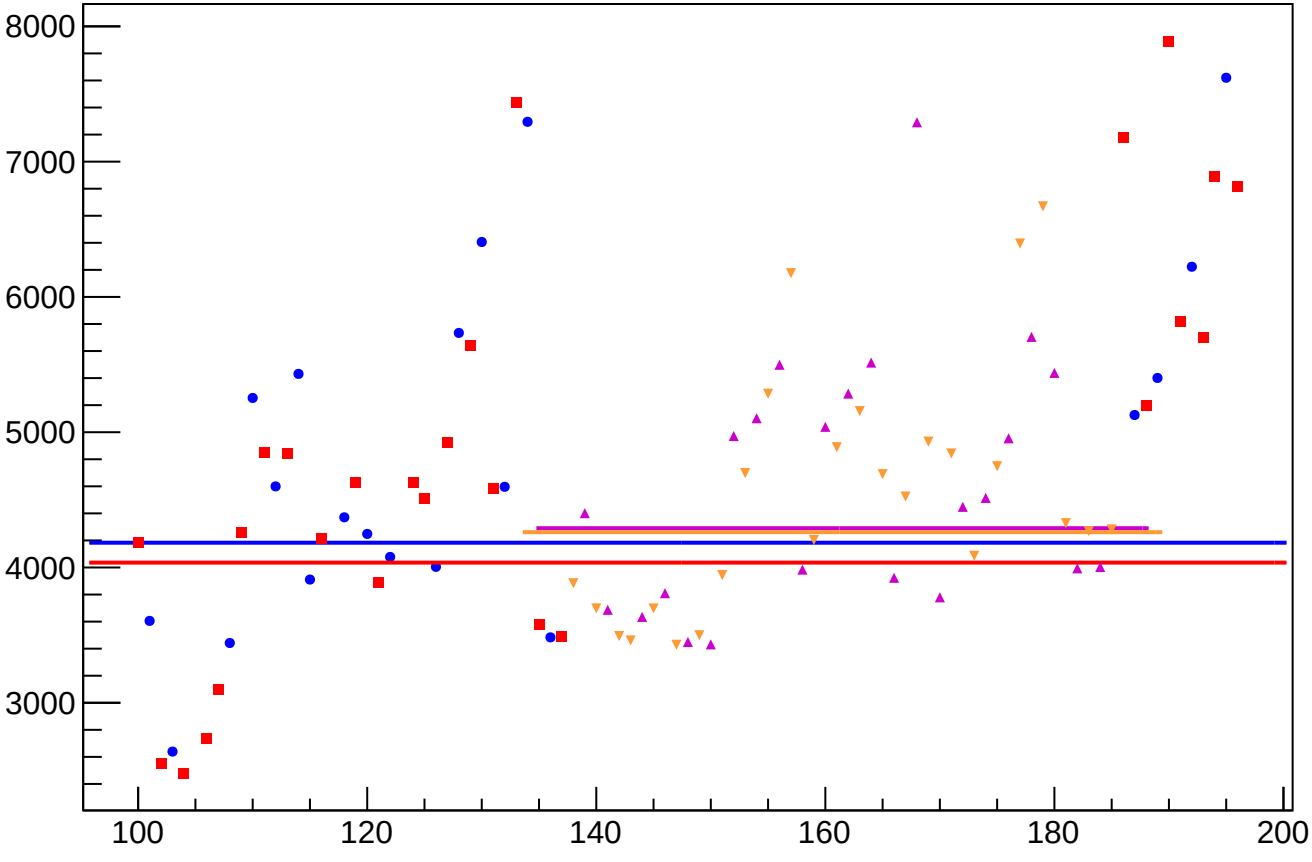
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -169.859+/-808.263 χ^2/NDF: 42.6/44

All: -488.148+/-564.753 χ^2/NDF: 85.7/93

- sign -791.779+/-789.431 χ^2/NDF: 42.7/48

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4183.289+/-0.990 χ^2/NDF: 1580046.0/19

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4036.136+/-0.878 χ^2/NDF: 2609662.1/25

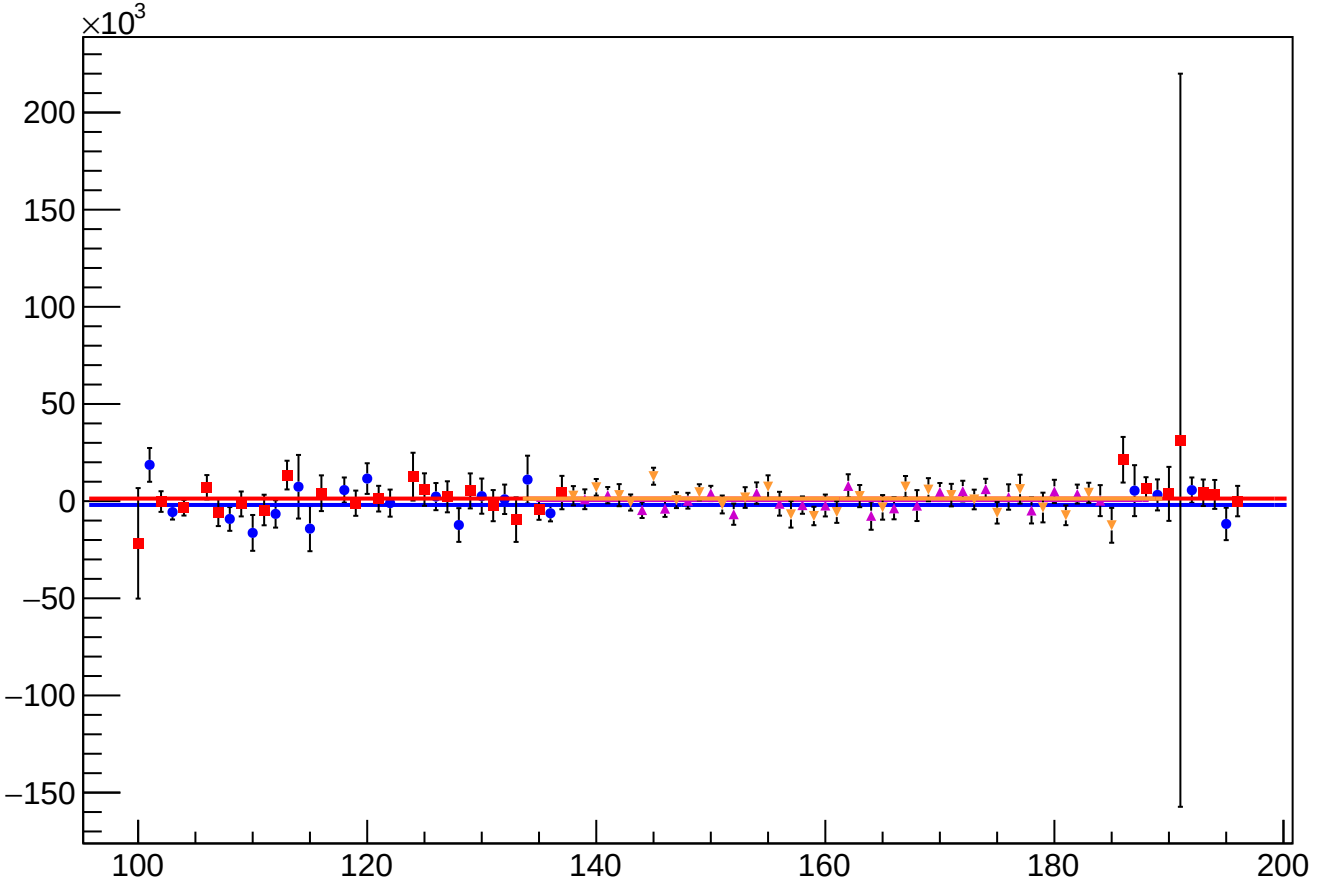
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4235.171+/-0.572 χ^2/NDF: 2774733.4/44

All: 4210.880+/-0.399 χ^2/NDF: 6651850.4/93

- sign 4187.708+/-0.558 χ^2/NDF: 3873587.4/48

asym_atr_dd_mean vs Slug



Right In: -1964.271+/-1585.836 χ^2/NDF: 24.4/19

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1320.374+/-1445.505 χ^2/NDF: 15.2/25

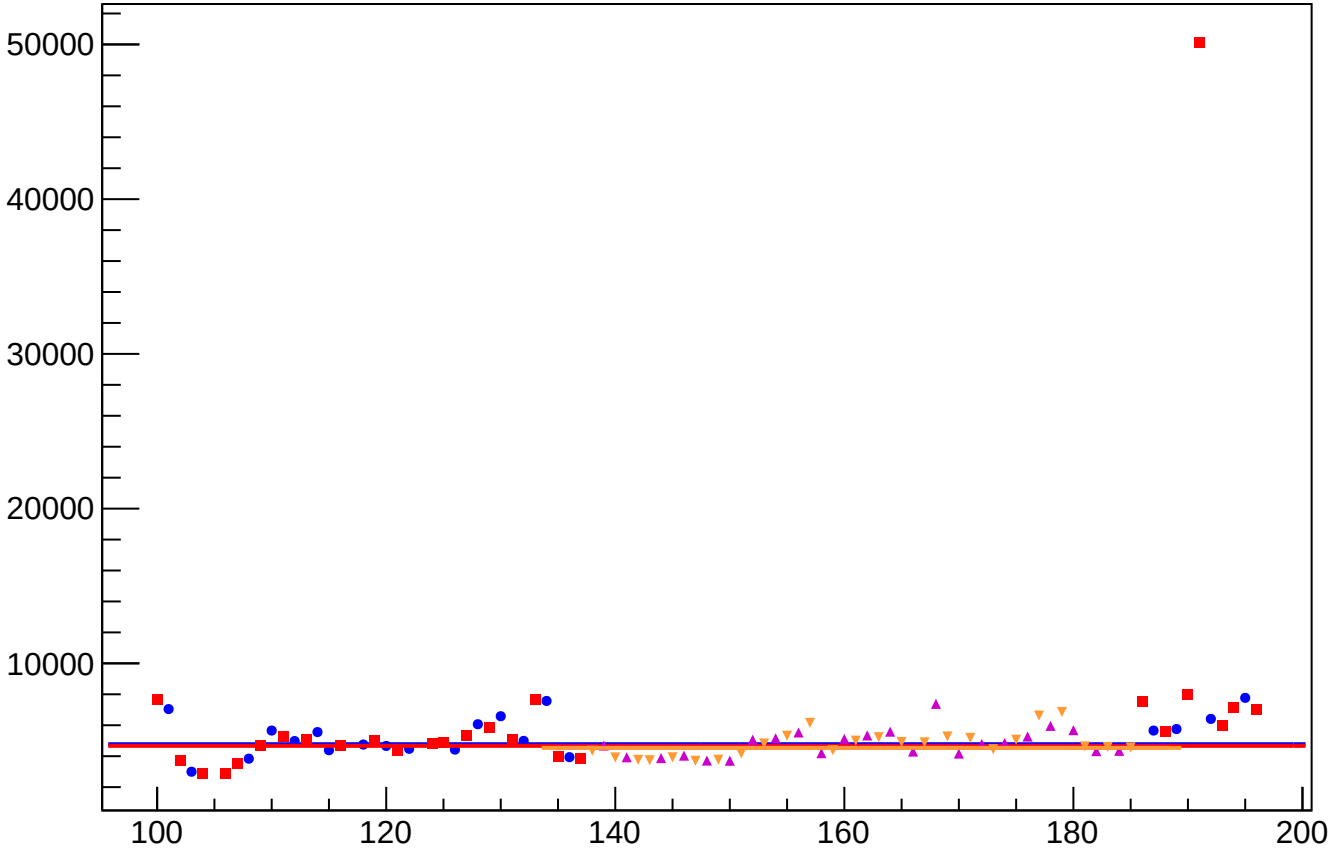
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 304.574+/-875.231 χ^2/NDF: 55.8/44

All: 576.871+/-615.692 χ^2/NDF: 85.8/93

- sign 843.624+/-866.277 χ^2/NDF: 29.8/48

asym_atr_dd_rms vs Slug



Right In: 4774.108+/-1.121 χ^2/NDF: 1377017.2/19

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

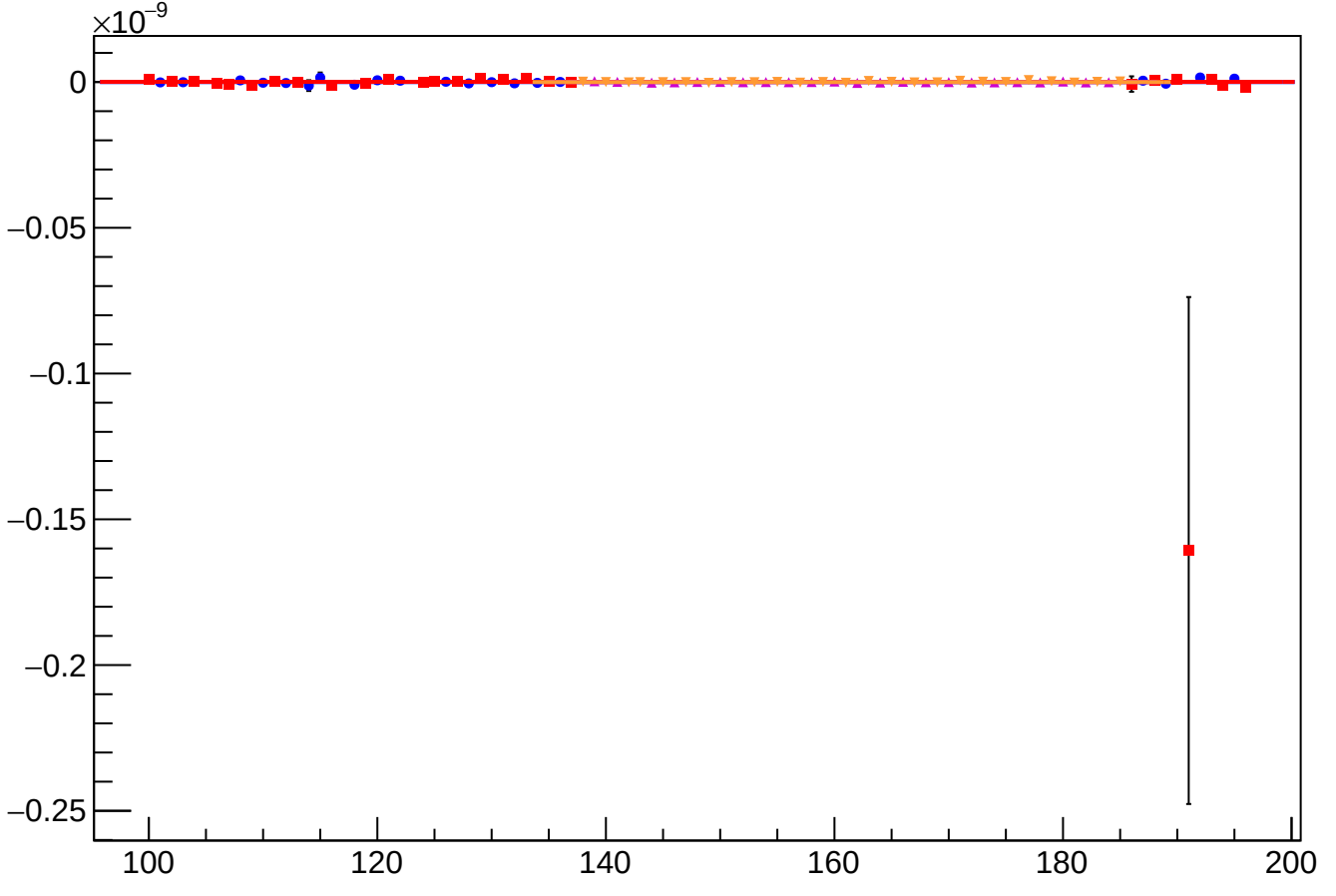
Right Out: 4668.269+/-1.015 χ^2/NDF: 1894058.8/25

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4609.873+/-0.619 χ^2/NDF: 2400769.7/44

All: 4604.637+/-0.435 χ^2/NDF: 5282354.1/93

- sign 4599.533+/-0.611 χ^2/NDF: 2881443.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

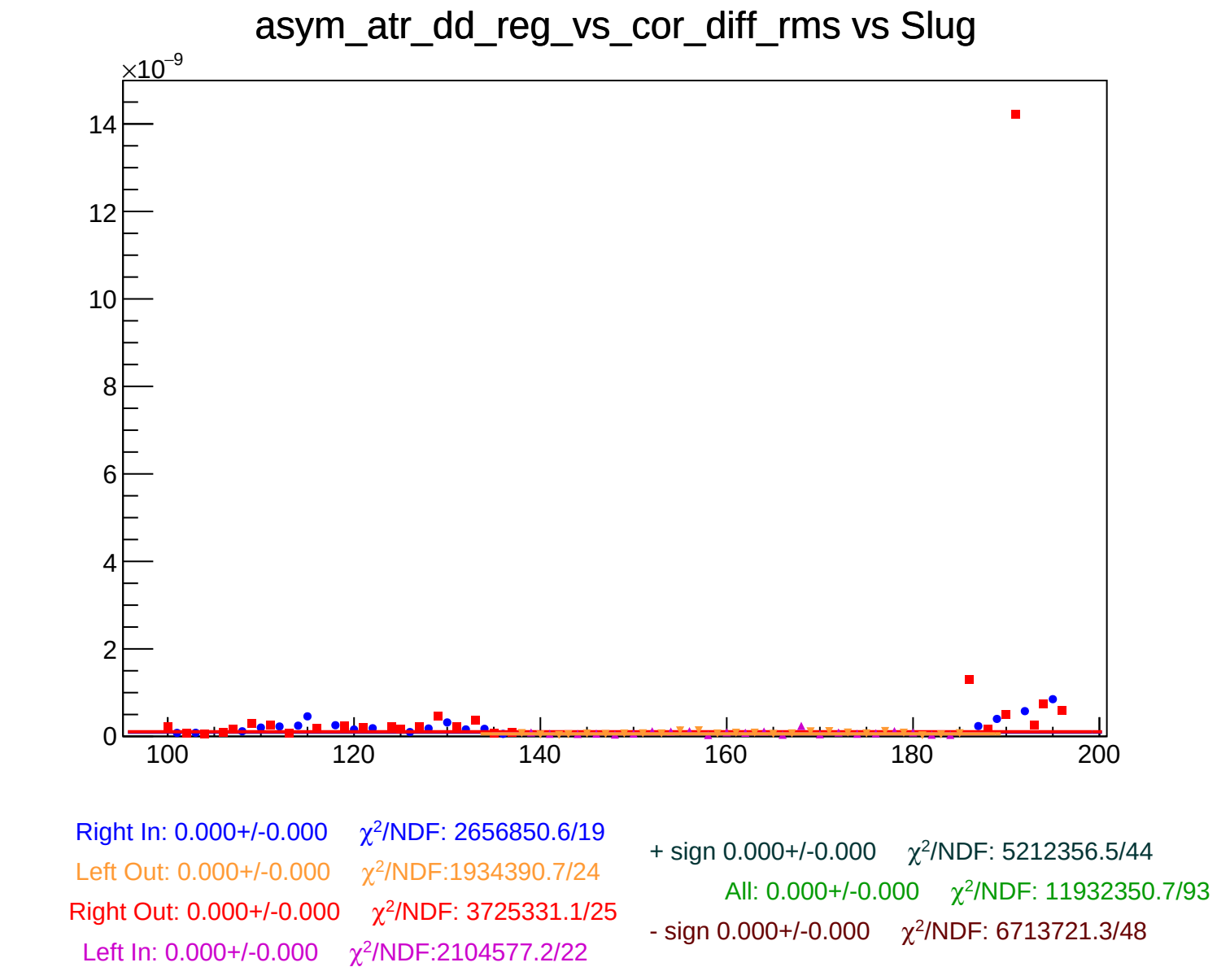
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

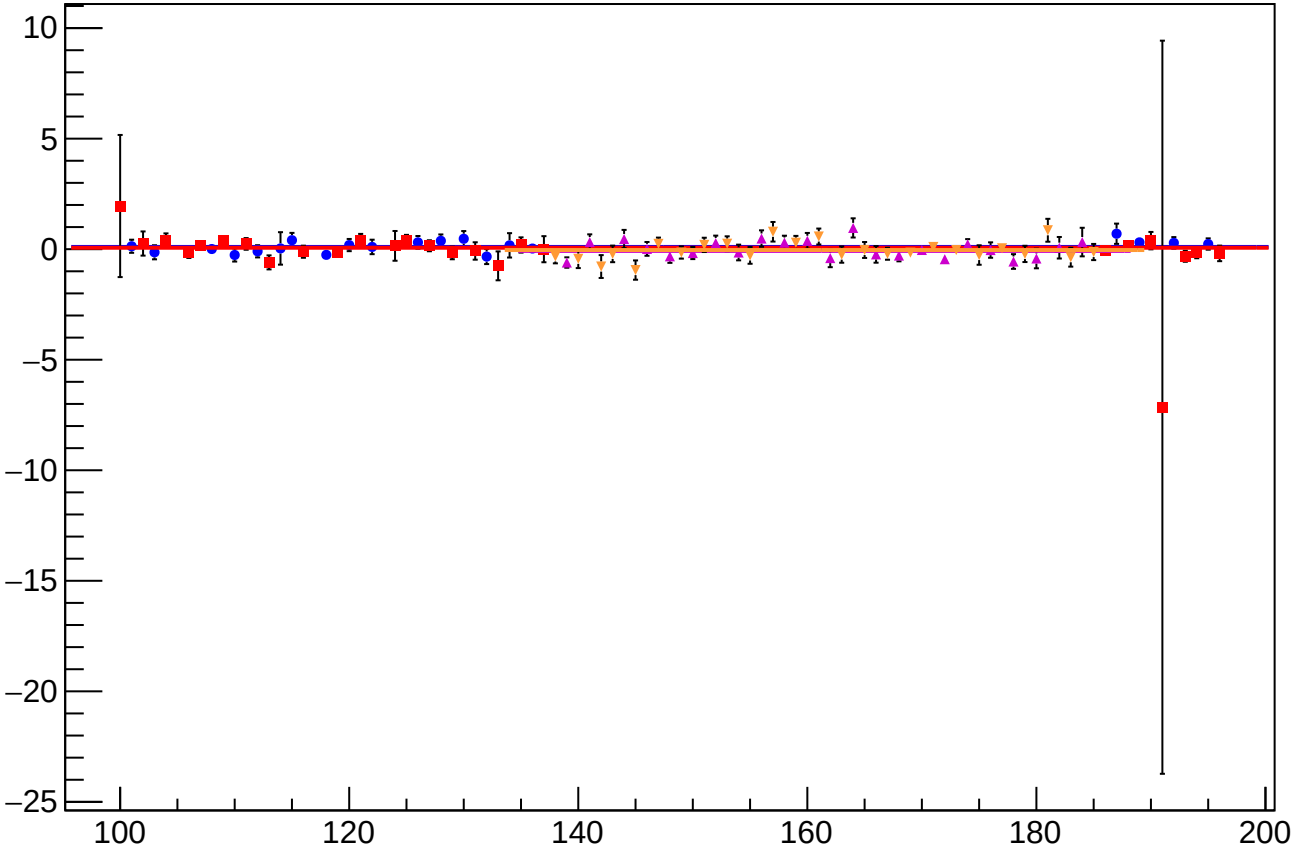
+ sign -0.000+/-0.000 χ^2/NDF: 55.2/44

All: -0.000+/-0.000 χ^2/NDF: 111.2/93

- 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: 2656850.6/19
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: 5212356.5/44
All: 0.000+/-0.000 χ²/NDF: 11932350.7/93
- sign 0.000+/-0.000 χ²/NDF: 6713721.3/48

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

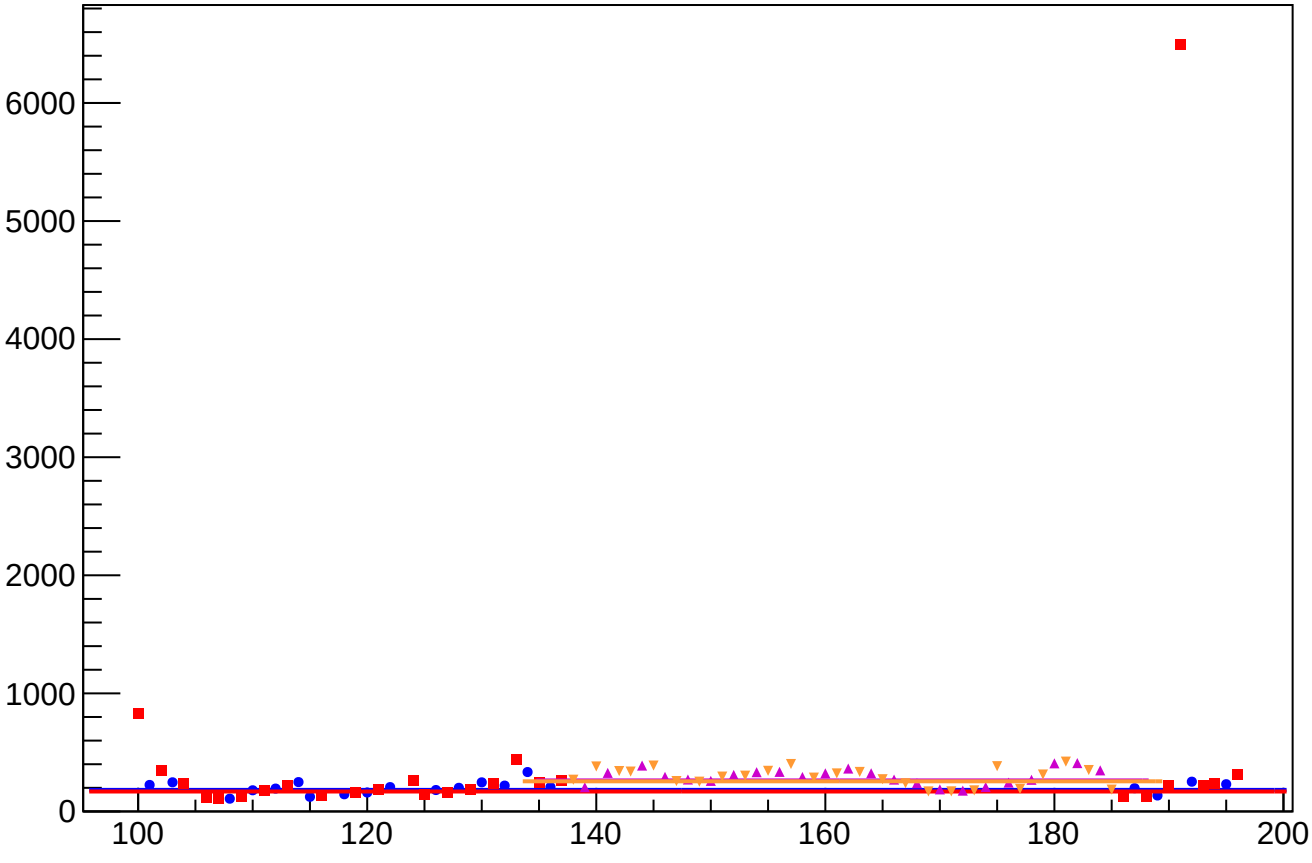
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.019+/-0.030 χ^2/NDF: 99.5/93

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 182.622+/-0.044 χ^2/NDF: 1253292.7/19

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 168.952+/-0.038 χ^2/NDF: 2552812.5/25

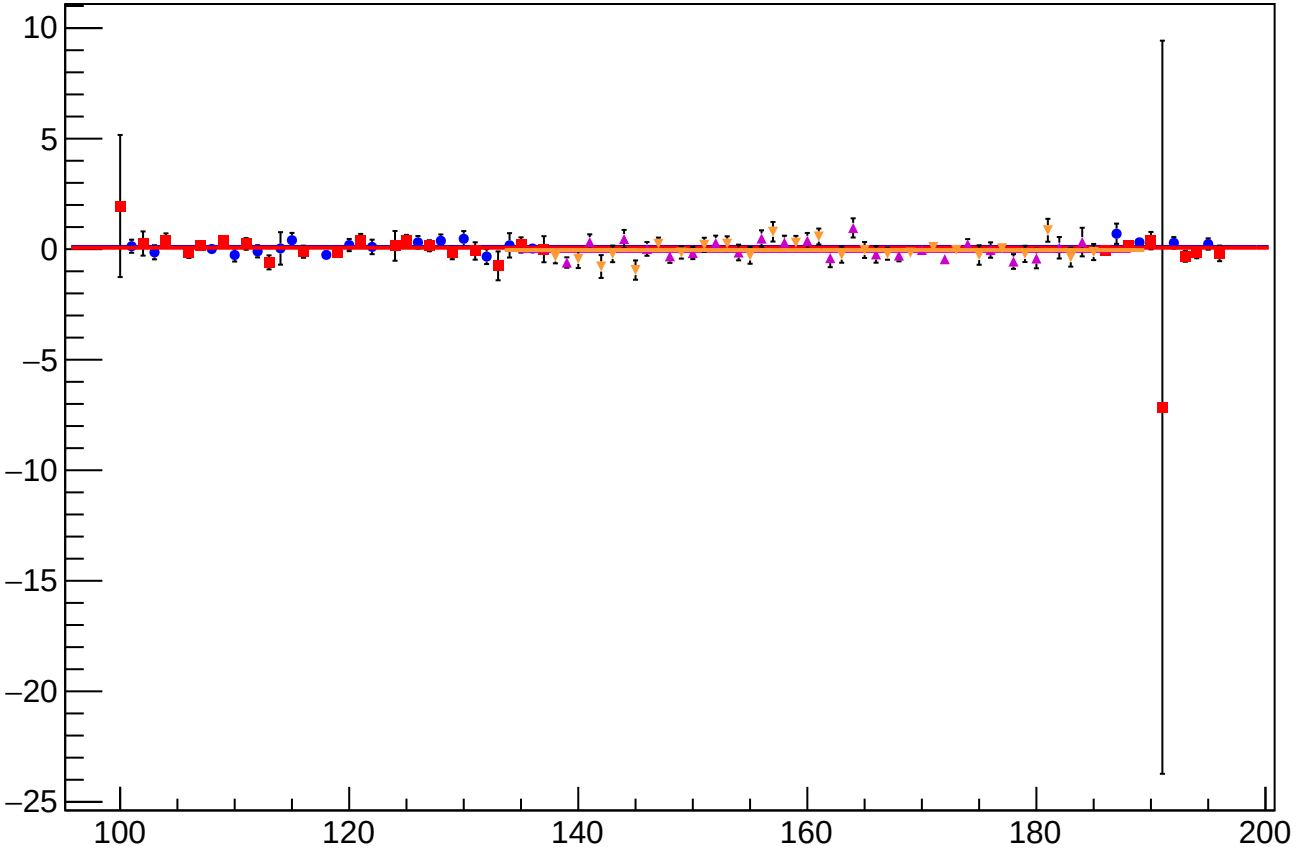
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.938+/-0.031 χ^2/NDF: 5570164.7/44

All: 212.886+/-0.021 χ^2/NDF: 12688820.3/93

- sign 207.428+/-0.029 χ^2/NDF: 7045882.4/48

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

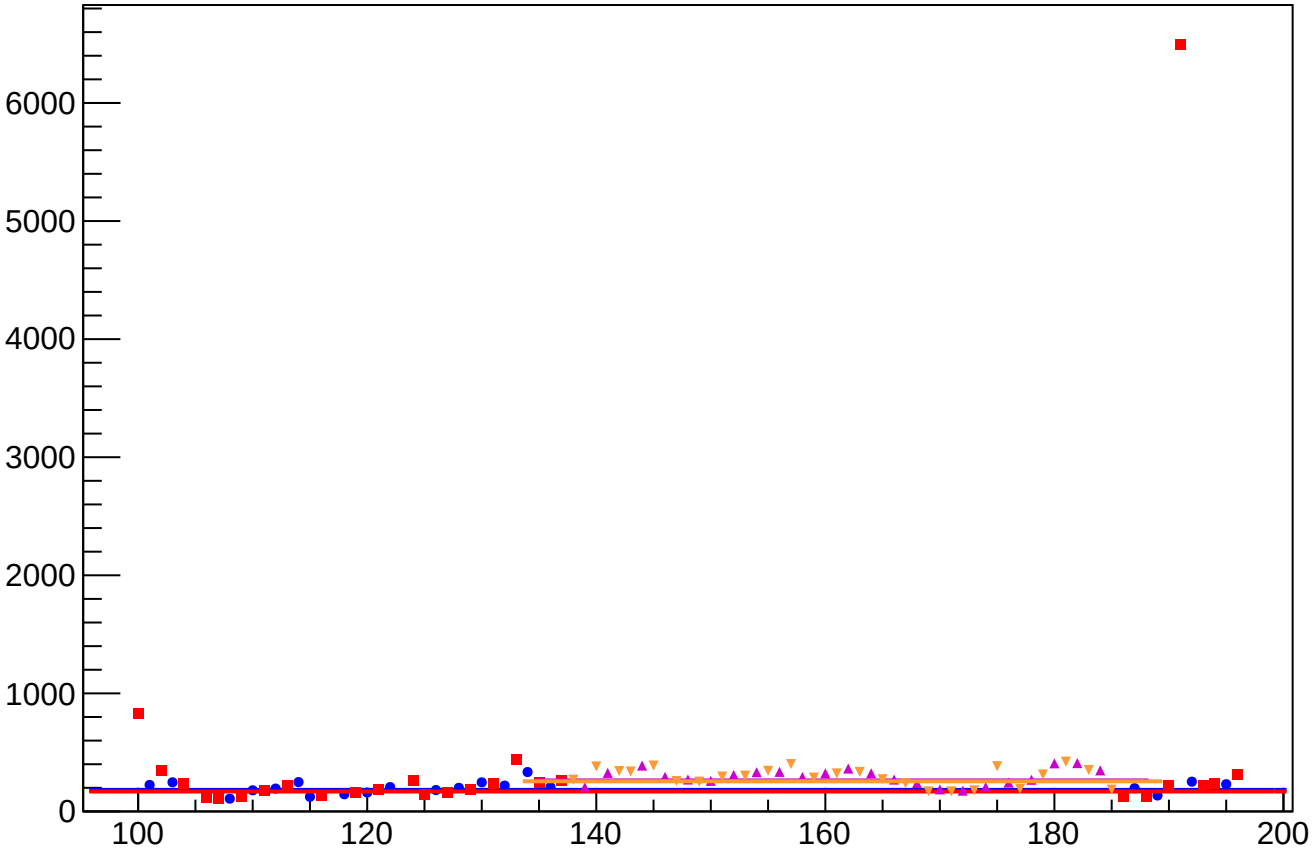
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.019+/-0.030 χ^2/NDF: 99.5/93

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.622+/-0.044 χ^2/NDF: 1253292.7/19

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

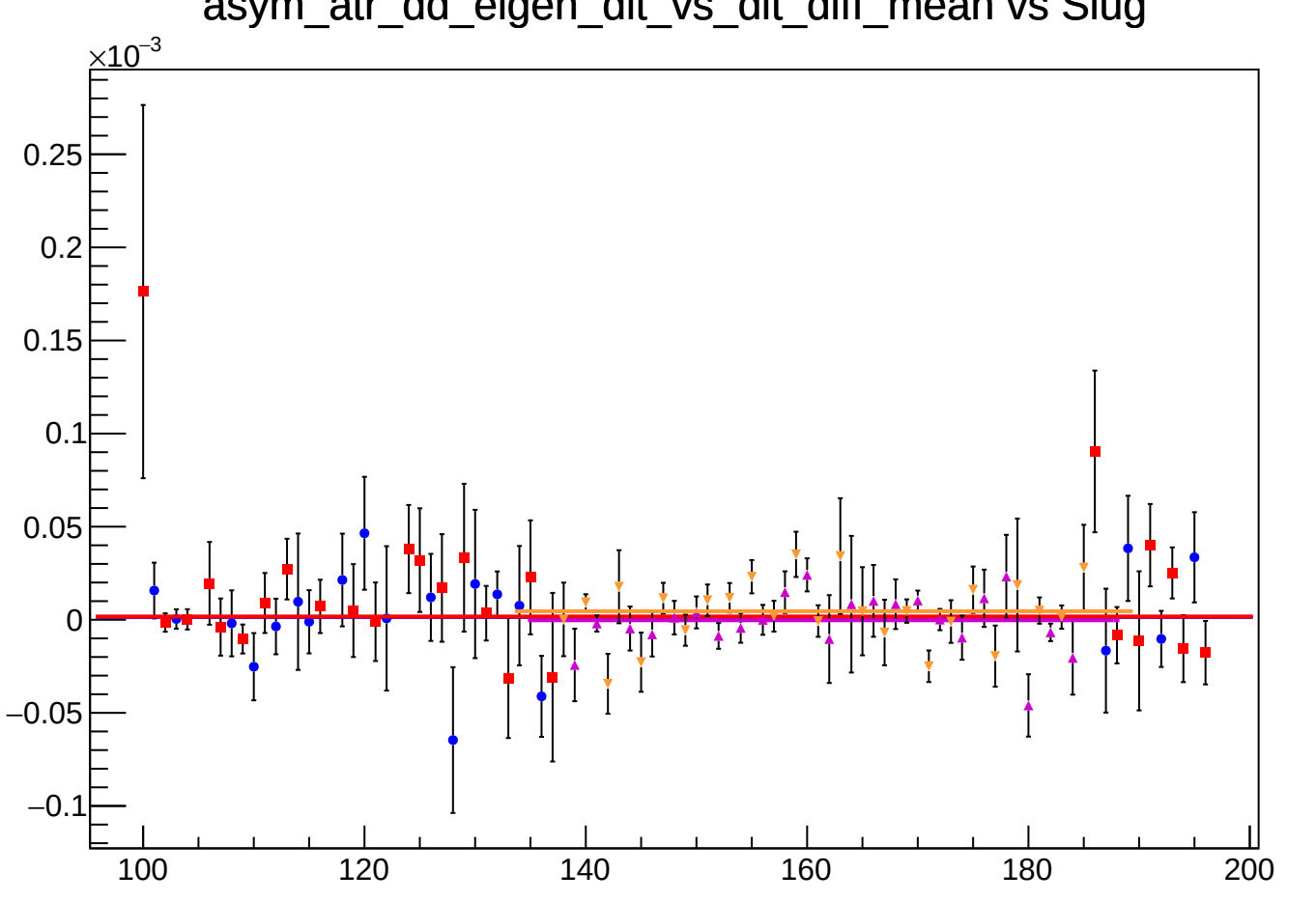
Right Out: 168.952+/-0.038 χ^2/NDF: 2552812.5/25

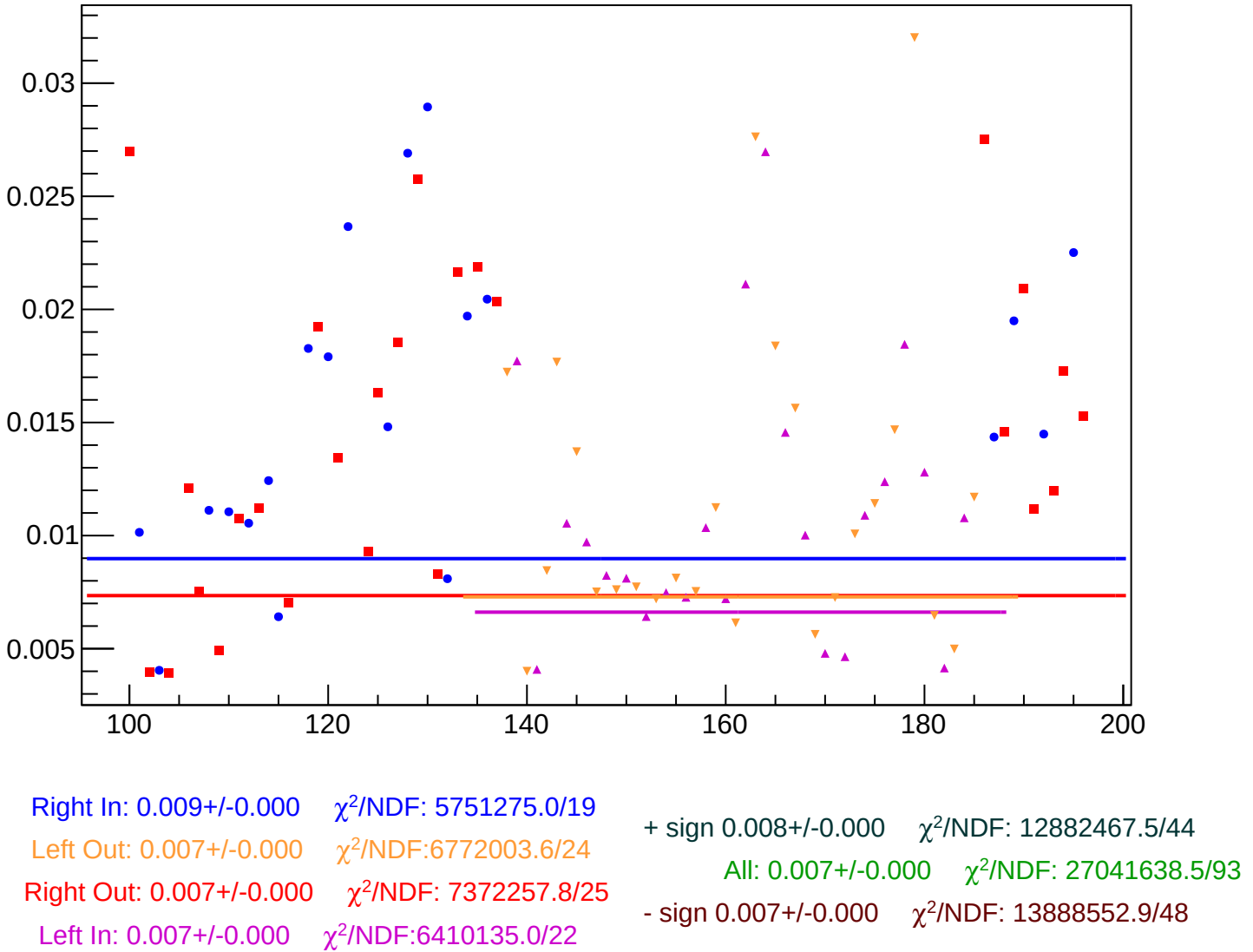
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.938+/-0.031 χ^2/NDF: 5570164.7/44

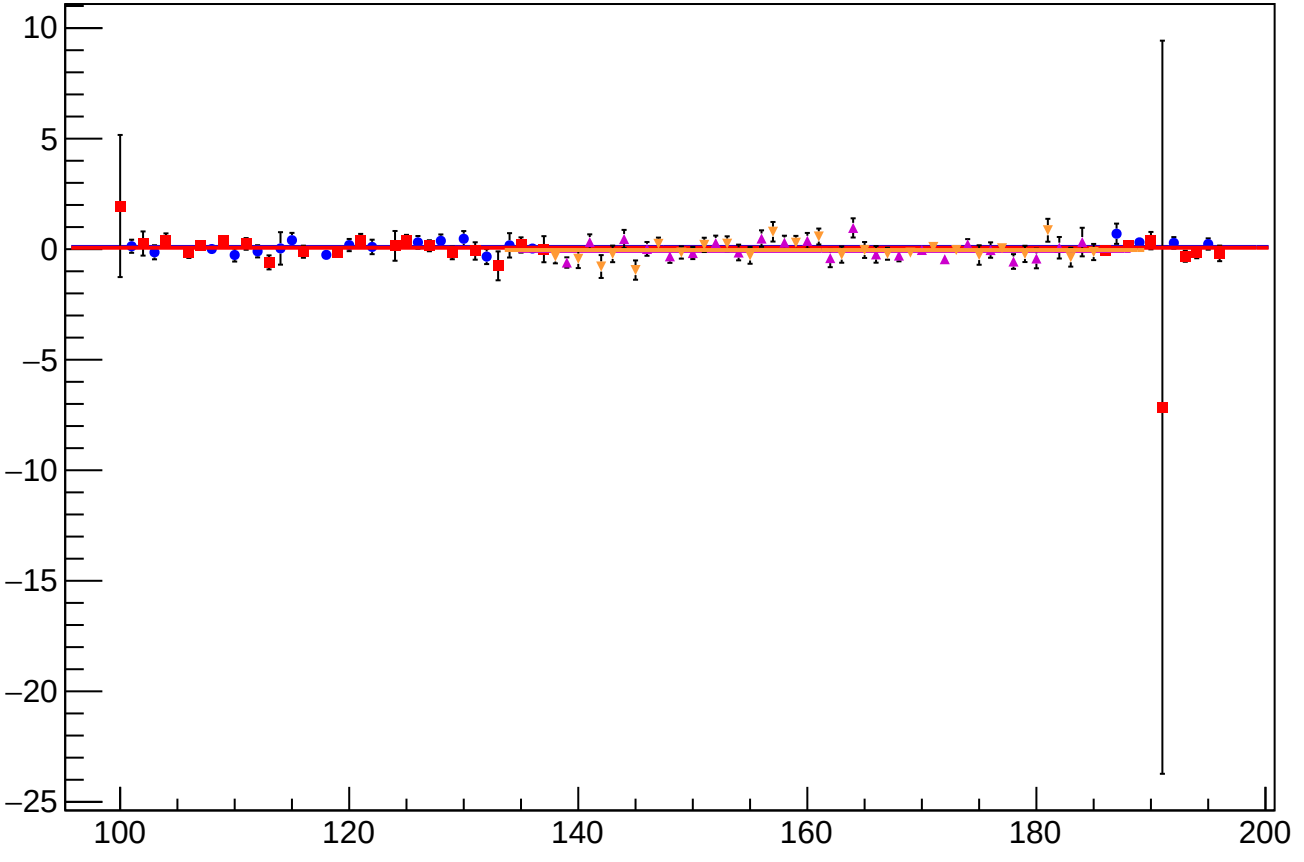
All: 212.886+/-0.021 χ^2/NDF: 12688820.3/93

- sign 207.428+/-0.029 χ^2/NDF: 7045882.4/48


asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.7/19
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.9/25
Left In: -0.000+/-0.000 χ²/NDF:31.2/22
+ sign 0.000+/-0.000 χ²/NDF: 62.6/44
All: 0.000+/-0.000 χ²/NDF: 125.7/93
- sign 0.000+/-0.000 χ²/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: 5751275.0/19
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: 12882467.5/44
All: 0.007+/-0.000 χ²/NDF: 27041638.5/93
- sign 0.007+/-0.000 χ²/NDF: 13888552.9/48

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

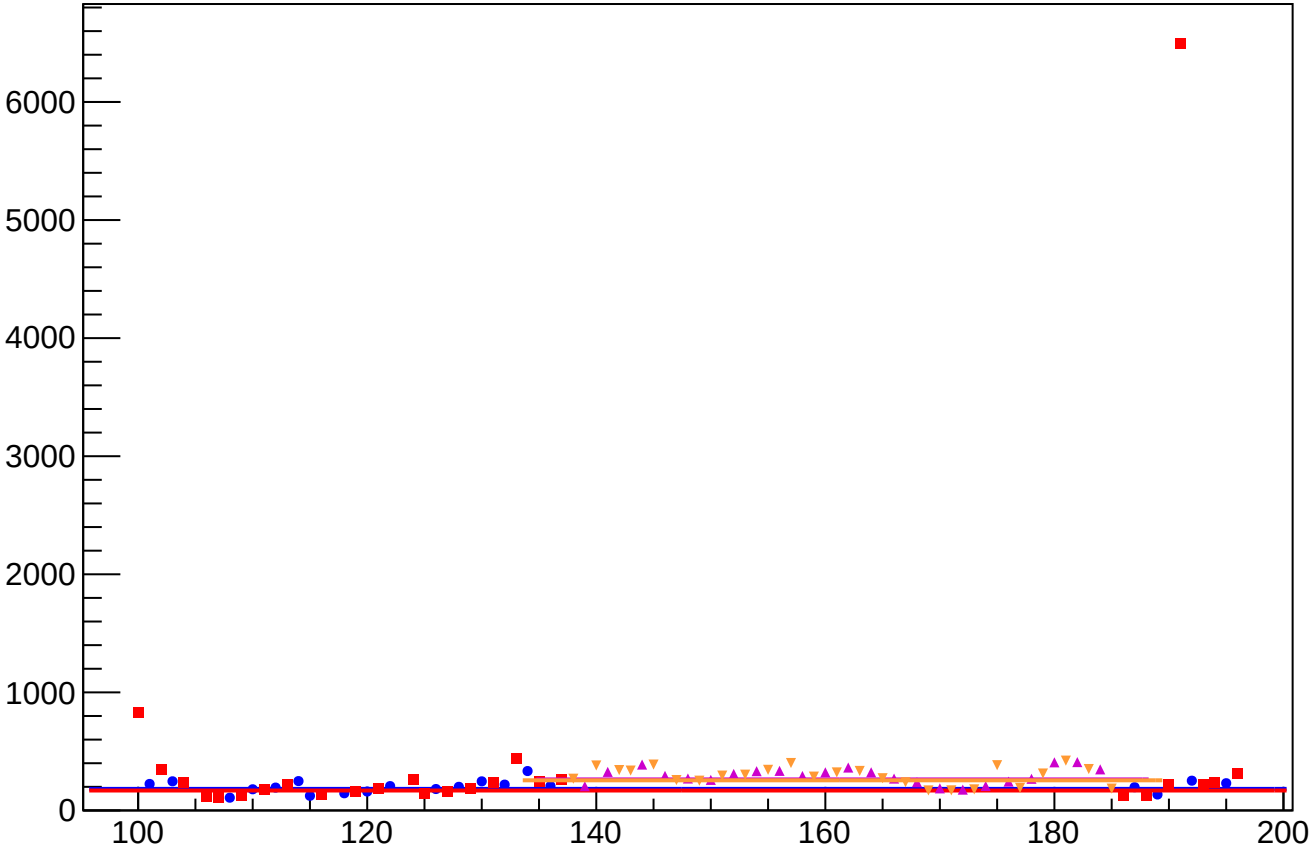
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.019+/-0.030 χ^2/NDF: 99.5/93

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 182.622+/-0.044 χ^2/NDF: 1253270.2/19

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

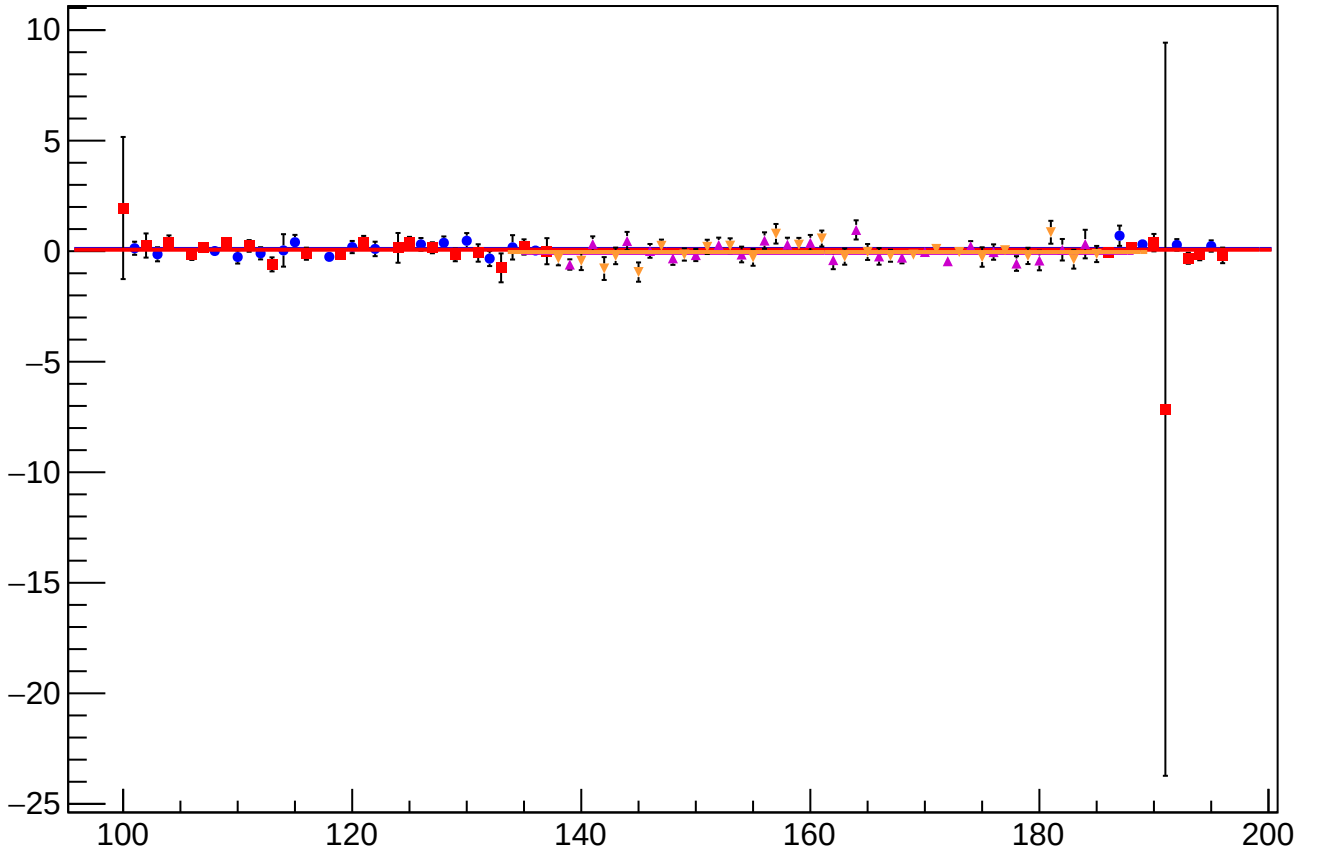
Right Out: 168.954+/-0.038 χ^2/NDF: 2552745.4/25

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.939+/-0.031 χ^2/NDF: 5570324.3/44

All: 212.887+/-0.021 χ^2/NDF: 12688957.3/93

- sign 207.430+/-0.029 χ^2/NDF: 7045876.3/48



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

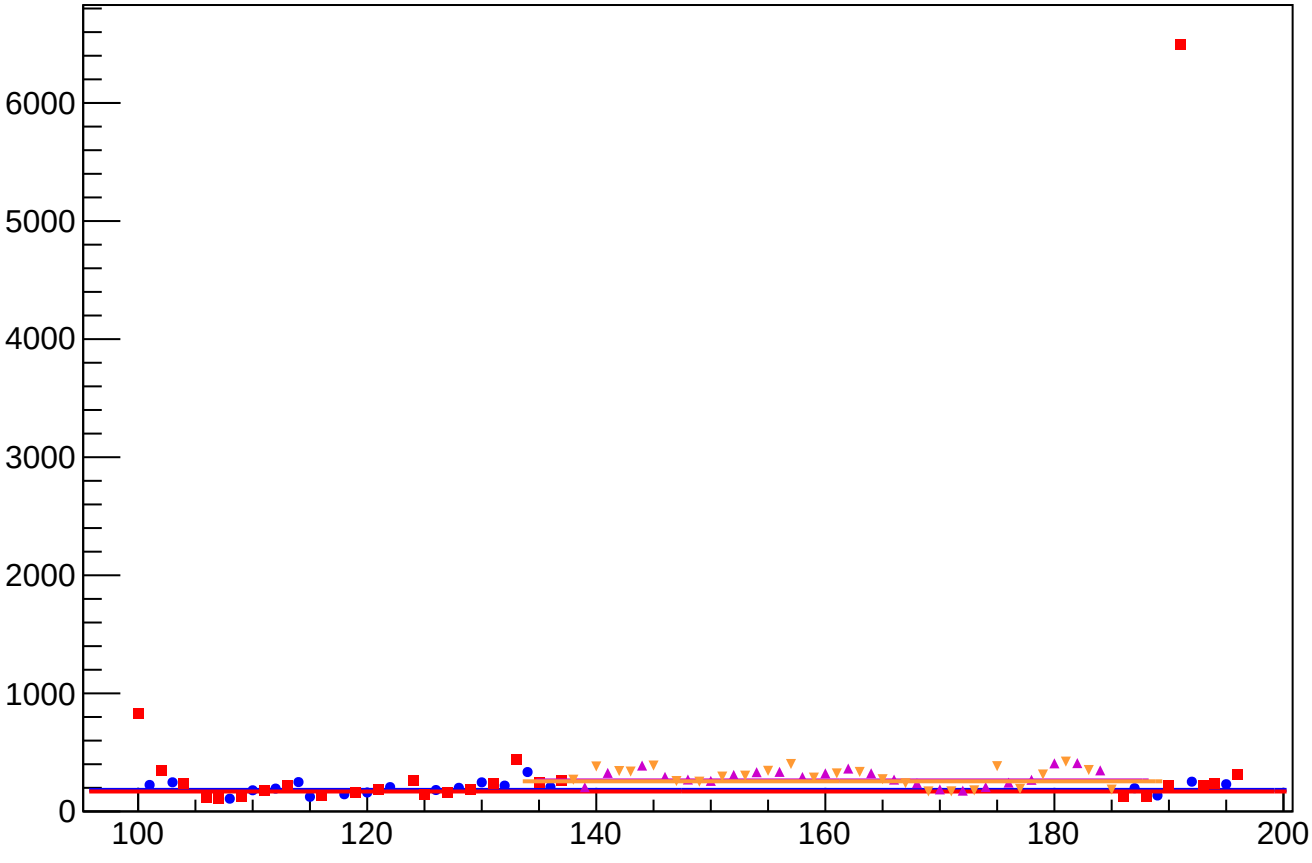
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.019+/-0.030 χ^2/NDF: 99.5/93

- 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: 182.622+/-0.044 χ^2/NDF: 1253270.2/19

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

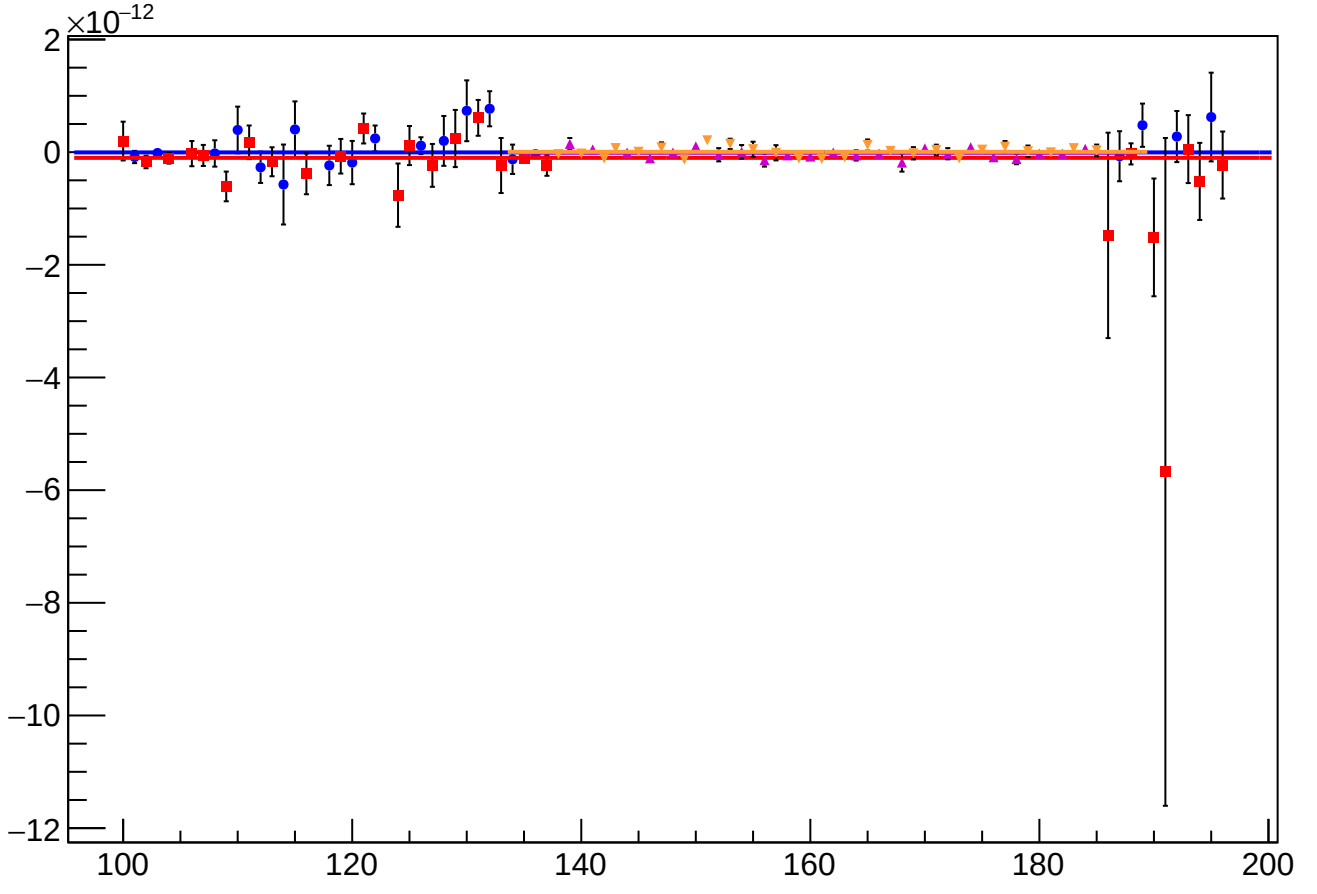
Right Out: 168.954+/-0.038 χ^2/NDF: 2552745.4/25

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.939+/-0.031 χ^2/NDF: 5570324.3/44

All: 212.887+/-0.021 χ^2/NDF: 12688957.3/93

- sign 207.430+/-0.029 χ^2/NDF: 7045876.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/25

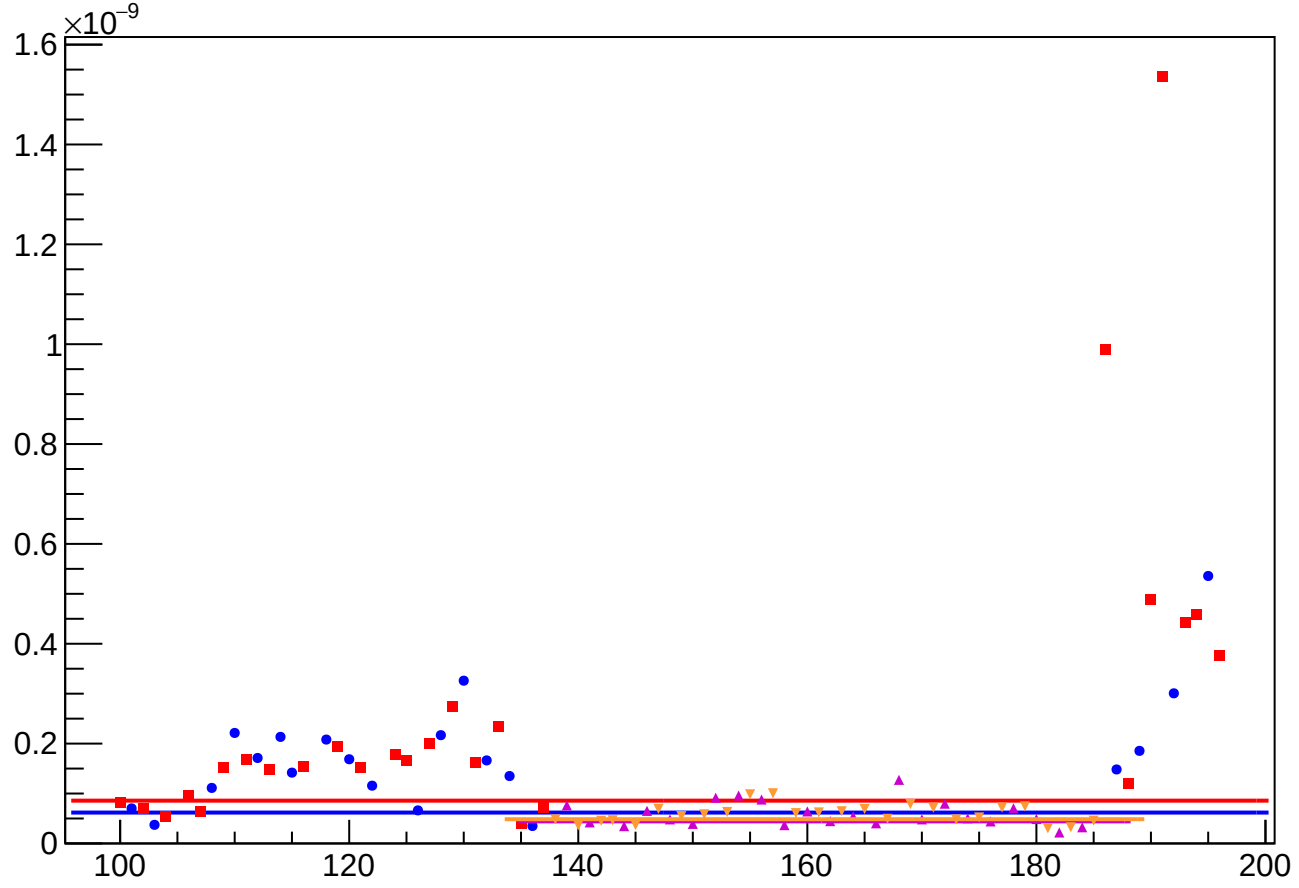
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/44

All: -0.000+/-0.000 χ^2/NDF: 97.9/93

- 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: 4910123.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542981.4/25

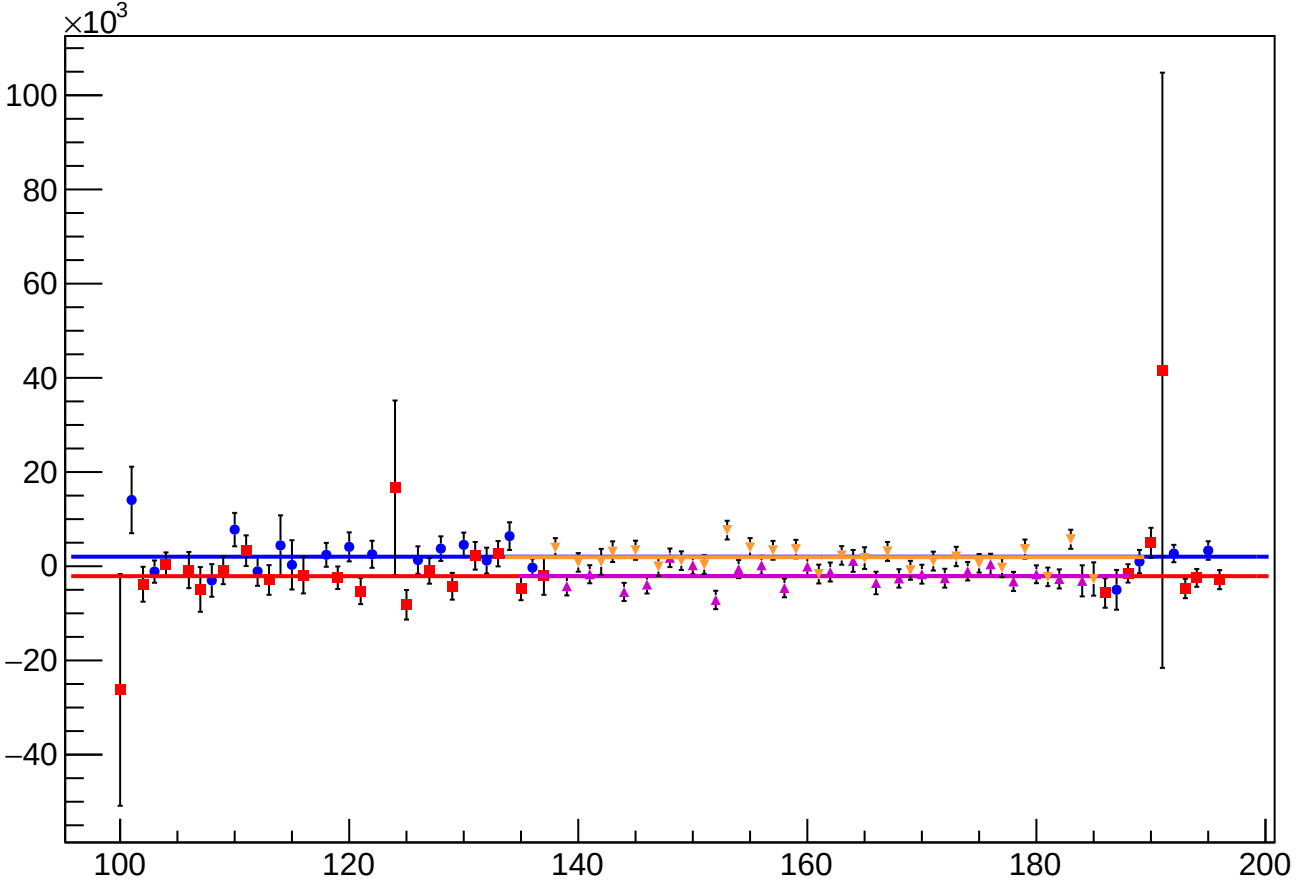
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7653745.5/44

All: 0.000+/-0.000 χ^2/NDF: 18705272.8/93

- sign 0.000+/-0.000 χ^2/NDF: 11028750.4/48

reg_asym_at1_avg_mean vs Slug



Right In: 2025.329+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2108.583+/-571.421 χ^2/NDF: 27.2/25

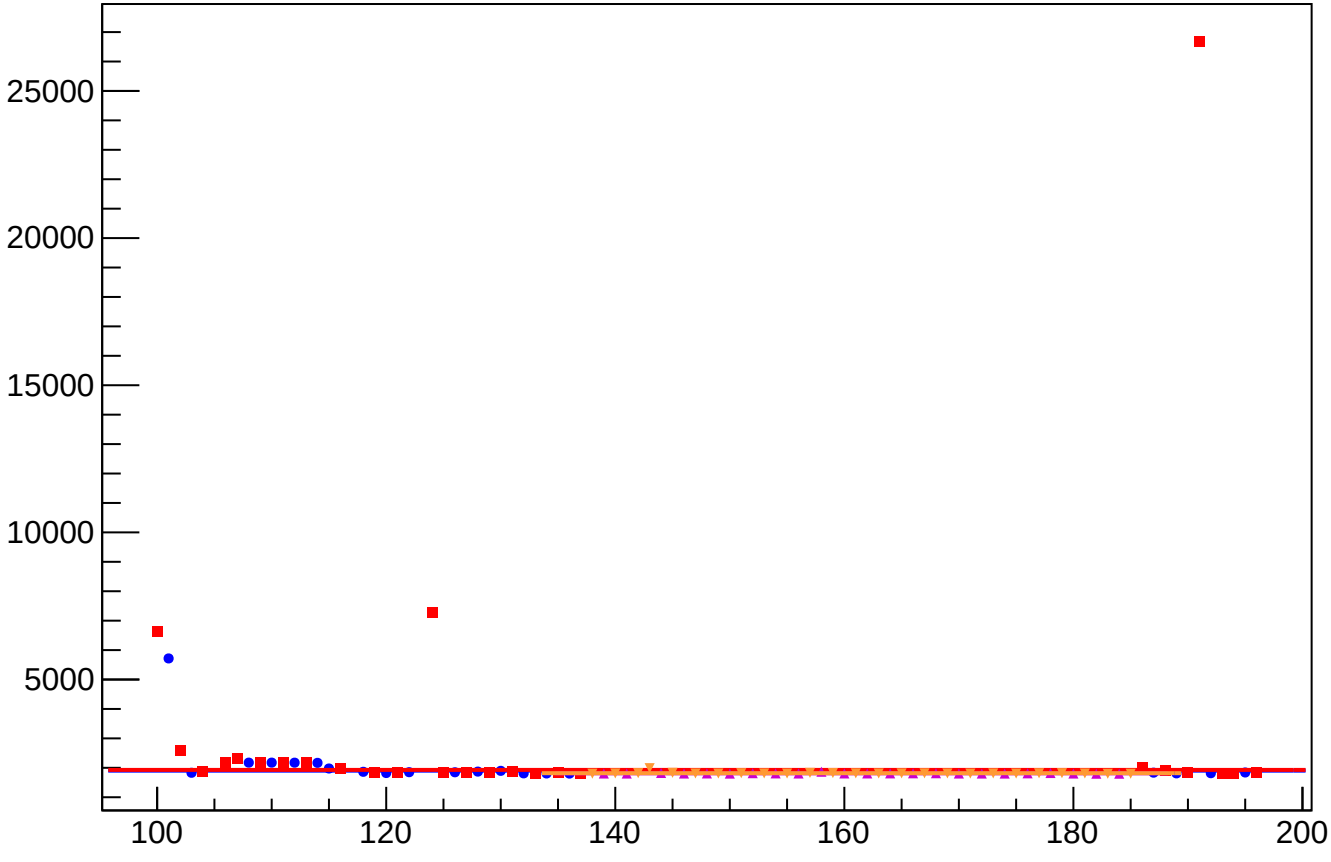
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.917+/-343.384 χ^2/NDF: 52.5/44

All: -86.208+/-241.635 χ^2/NDF: 176.1/93

- sign -2086.383+/-340.088 χ^2/NDF: 53.7/48

reg_asym_at1_avg_rms vs Slug



Right In: 1904.284+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1928.754+/-0.404 χ^2/NDF: 715630.0/25

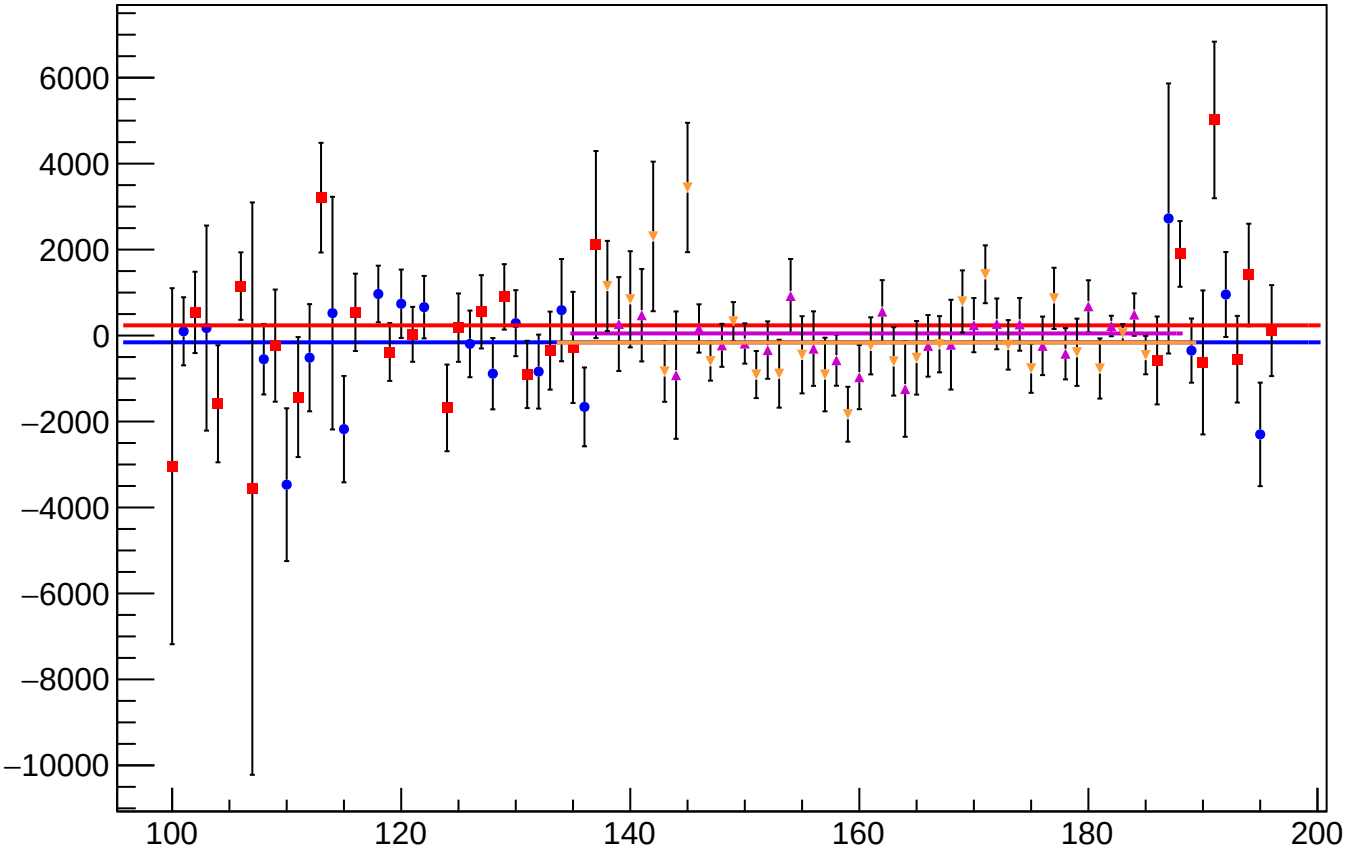
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.283+/-0.243 χ^2/NDF: 692138.9/44

All: 1849.041+/-0.171 χ^2/NDF: 1463960.3/93

- sign 1853.708+/-0.240 χ^2/NDF: 771060.8/48

asym_at1_avg_reg_correction_mean vs Slug



Right In: -157.528+/-211.088 χ^2/NDF: 22.2/19

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 237.099+/-195.380 χ^2/NDF: 34.3/25

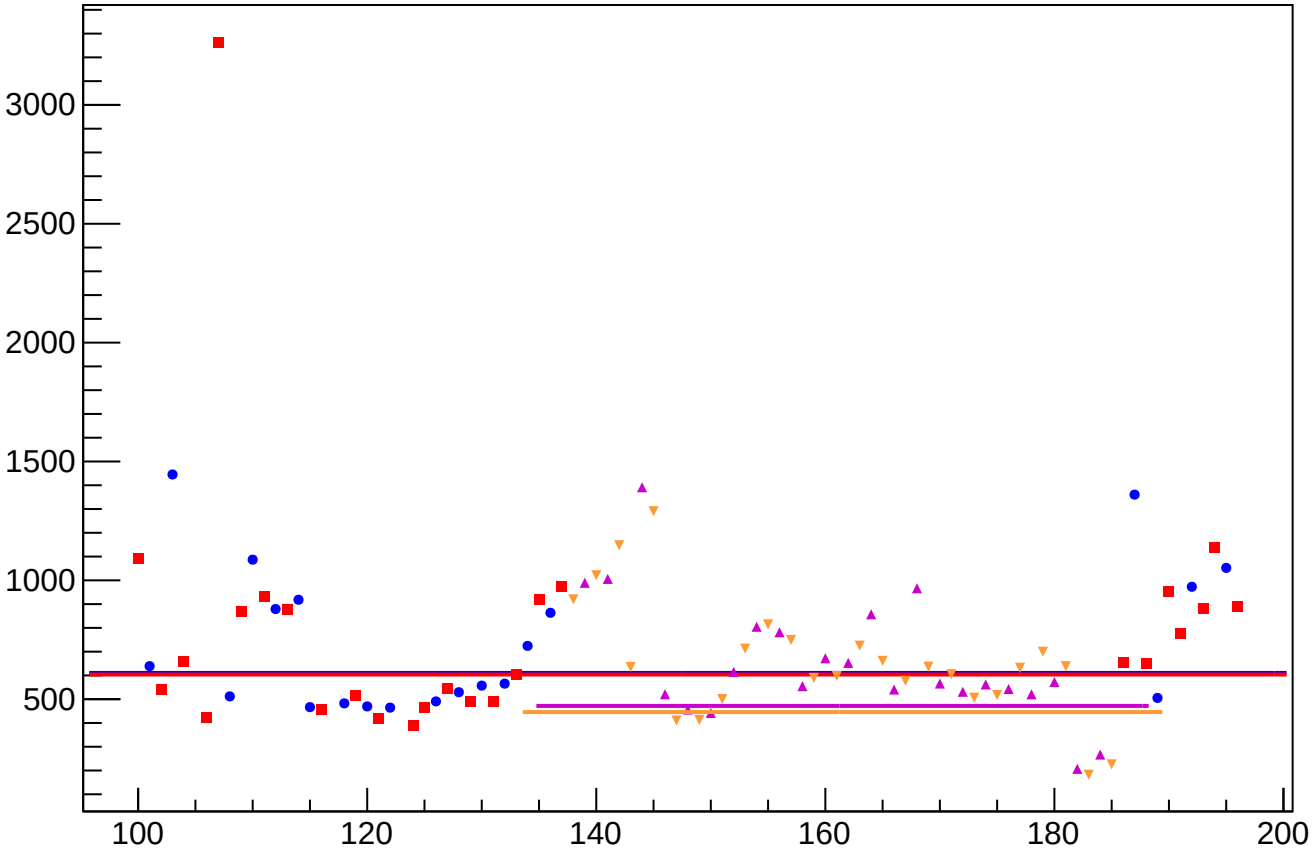
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -161.739+/-101.186 χ^2/NDF: 59.1/44

All: -33.167+/-72.491 χ^2/NDF: 108.7/93

- sign 102.404+/-103.903 χ^2/NDF: 46.3/48

asym_at1_avg_reg_correction_rms vs Slug



Right In: 610.504+/-0.149 χ^2/NDF: 1729118.3/19

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 603.857+/-0.138 χ^2/NDF: 2241622.5/25

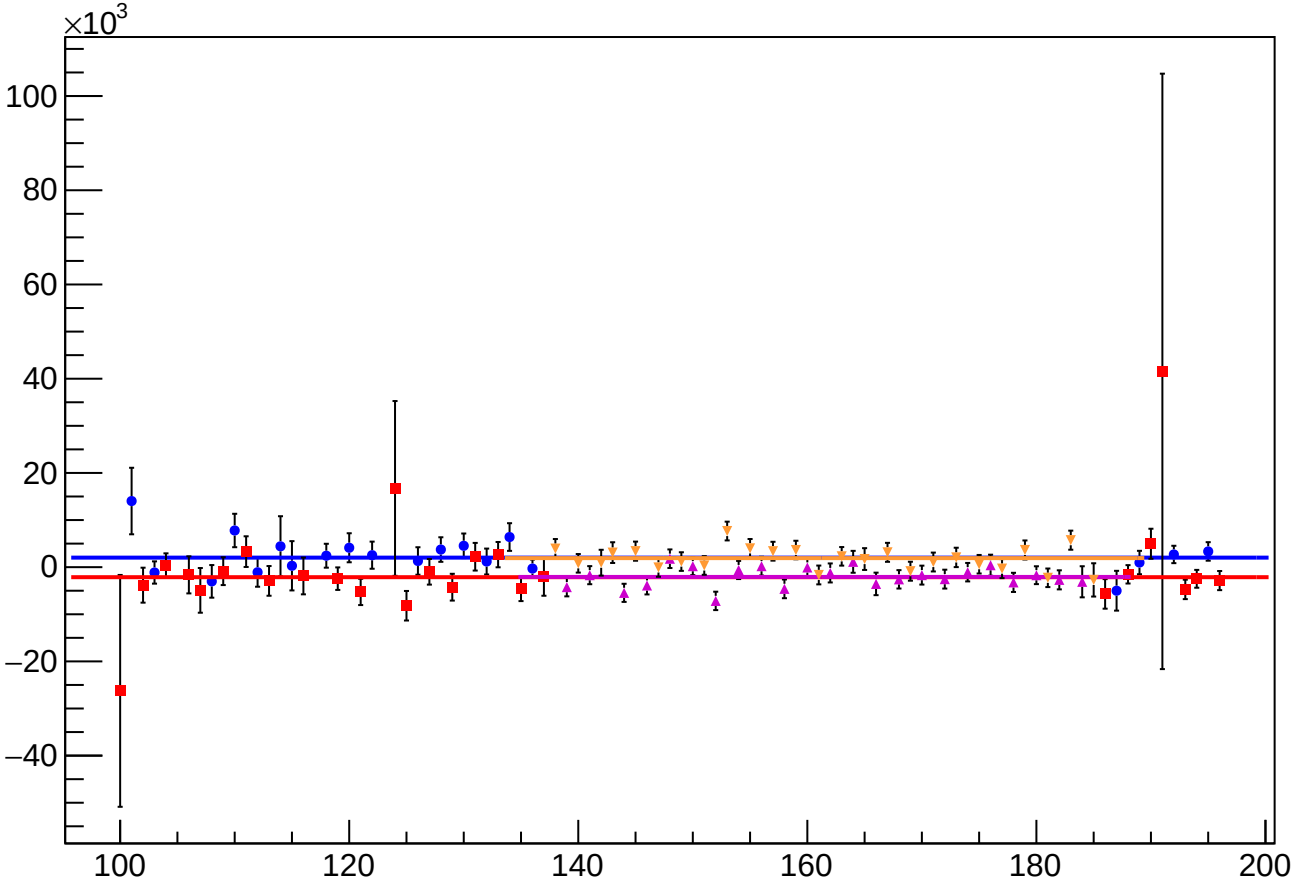
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 483.717+/-0.072 χ^2/NDF: 10648345.7/44

All: 496.076+/-0.051 χ^2/NDF: 20020993.5/93

- sign 509.108+/-0.073 χ^2/NDF: 9311346.4/48

cor_asym_at1_avg_mean vs Slug



Right In: 2025.113+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2127.438+/-571.724 χ^2/NDF: 27.1/25

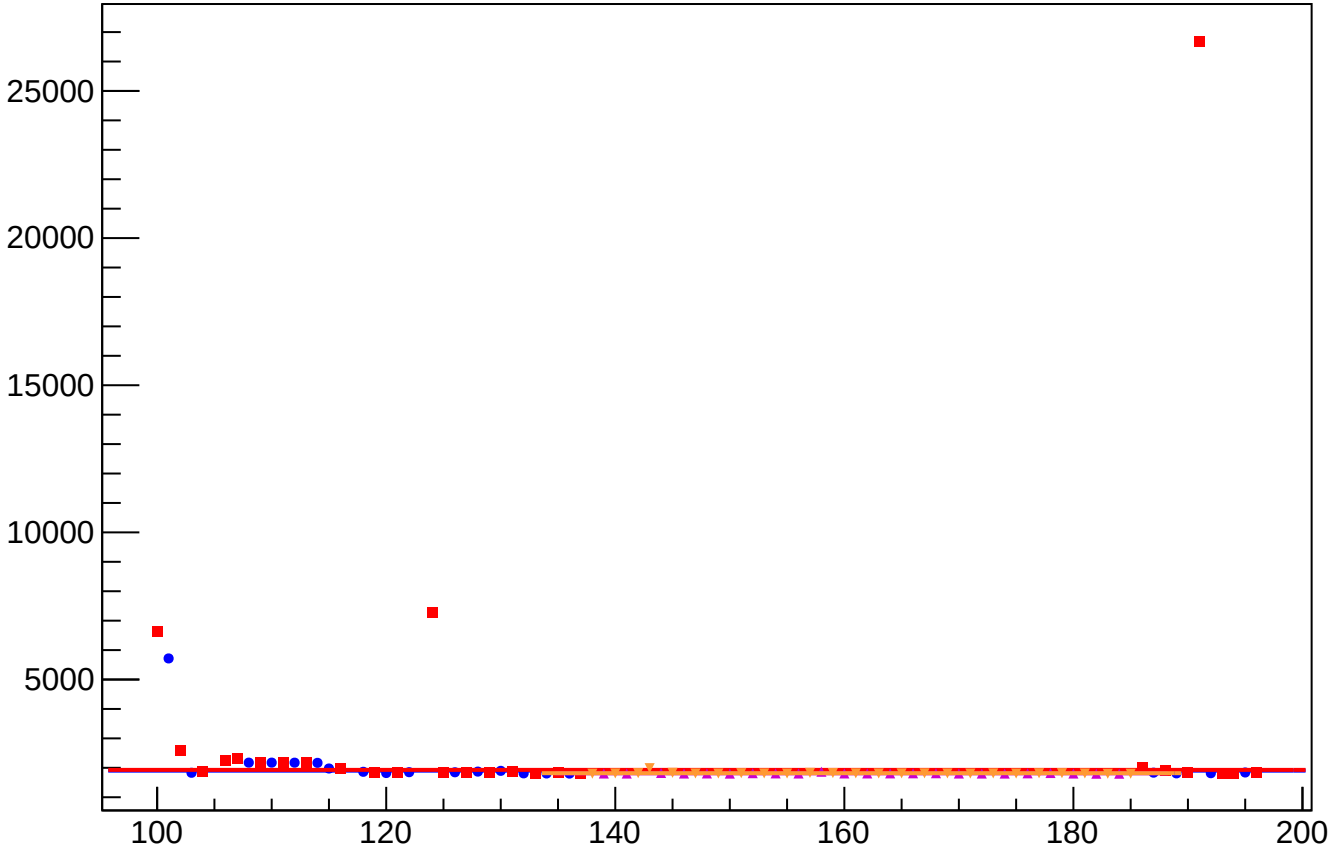
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.826+/-343.384 χ^2/NDF: 52.5/44

All: -89.272+/-241.658 χ^2/NDF: 176.2/93

- sign -2093.113+/-340.152 χ^2/NDF: 53.6/48

cor_asym_at1_avg_rms vs Slug



Right In: 1904.283+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1929.546+/-0.404 χ^2/NDF: 718965.8/25

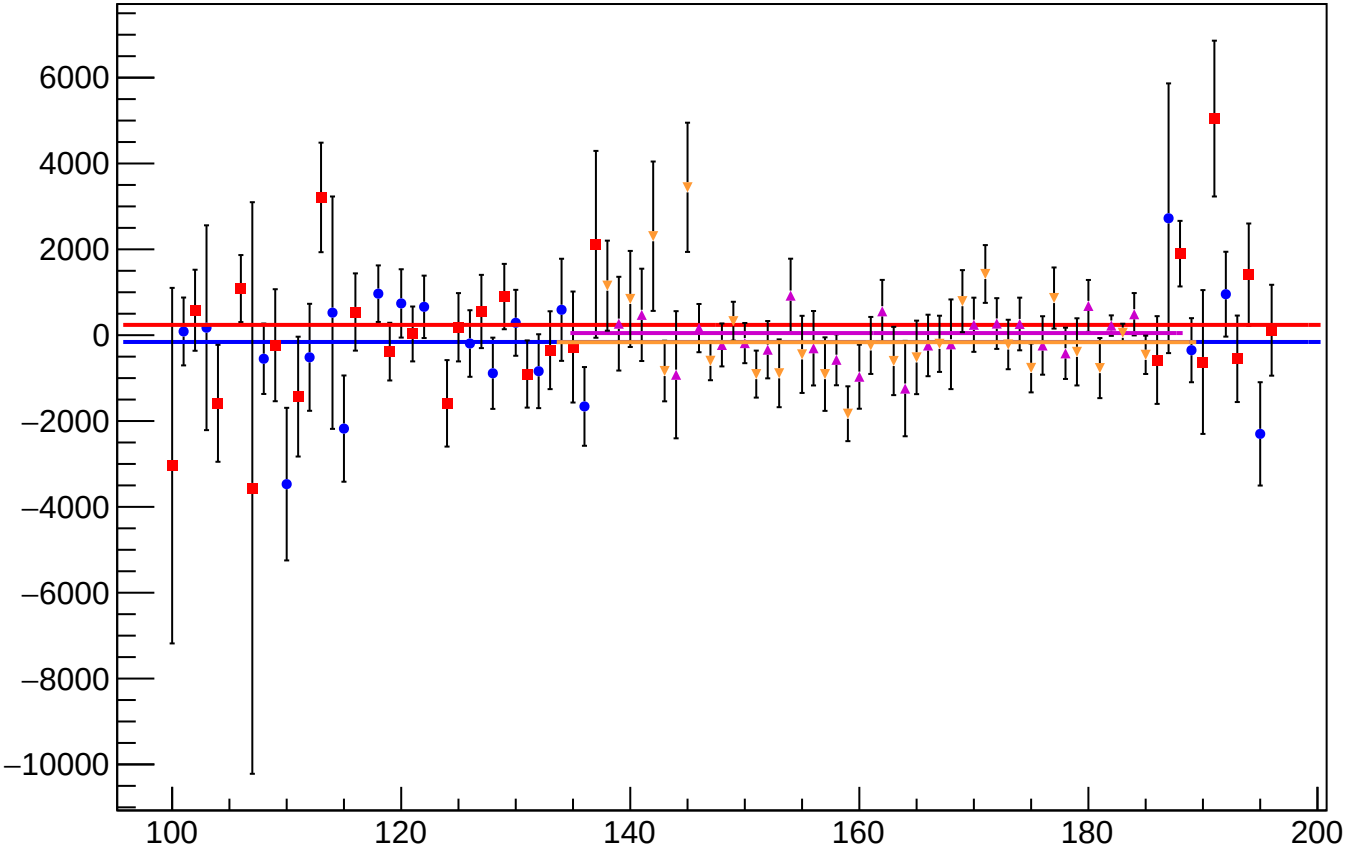
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.283+/-0.243 χ^2/NDF: 692138.8/44

All: 1849.167+/-0.171 χ^2/NDF: 1468030.5/93

- sign 1853.960+/-0.241 χ^2/NDF: 775089.9/48

asym_at1_avg_cor_correction_mean vs Slug



Right In: -158.207+/-211.051 χ^2/NDF: 22.2/19

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 239.747+/-195.278 χ^2/NDF: 34.0/25

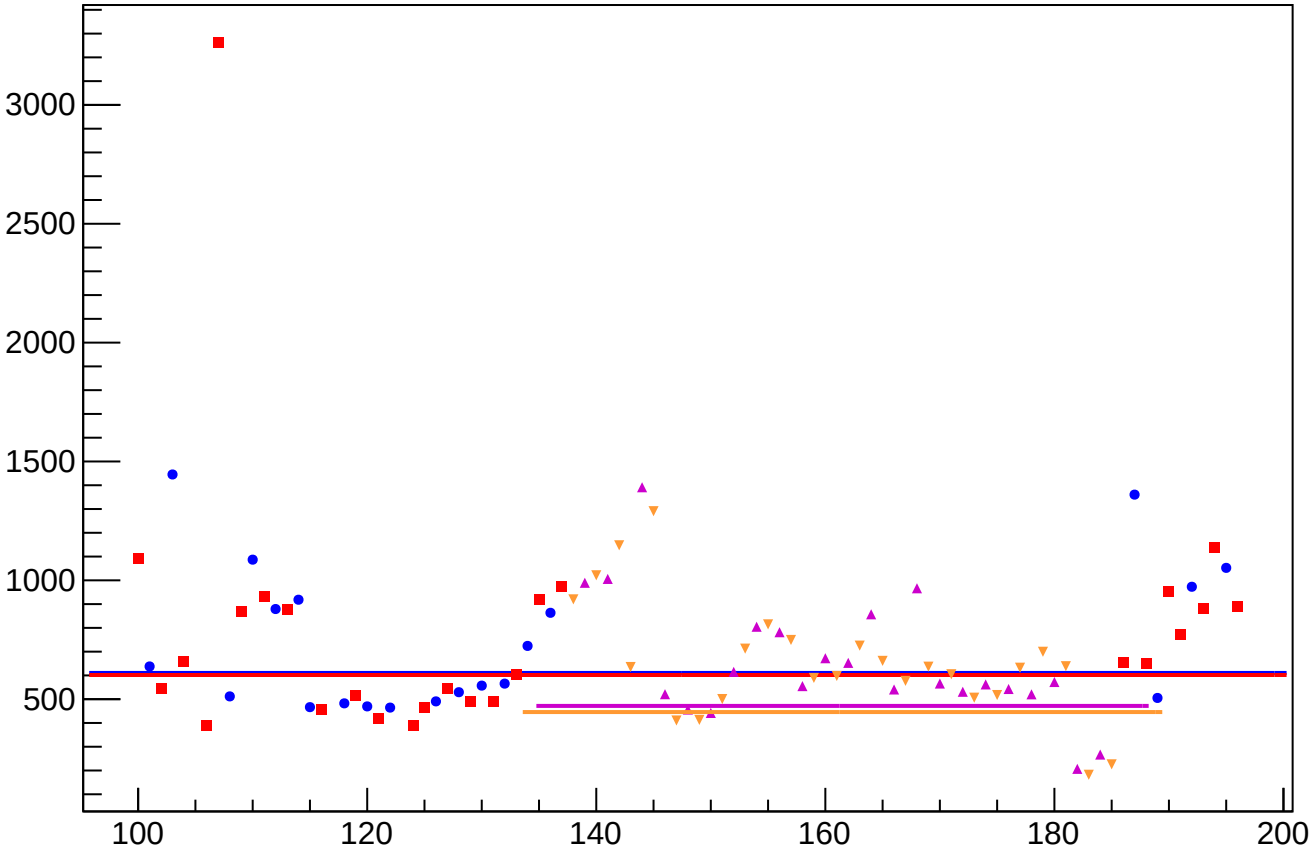
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -161.830+/-101.179 χ^2/NDF: 59.1/44

All: -32.813+/-72.484 χ^2/NDF: 108.4/93

- sign 103.210+/-103.889 χ^2/NDF: 46.0/48

asym_at1_avg_cor_correction_rms vs Slug



Right In: 610.417+/-0.149 χ^2/NDF: 1728948.7/19

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 601.772+/-0.138 χ^2/NDF: 2285039.3/25

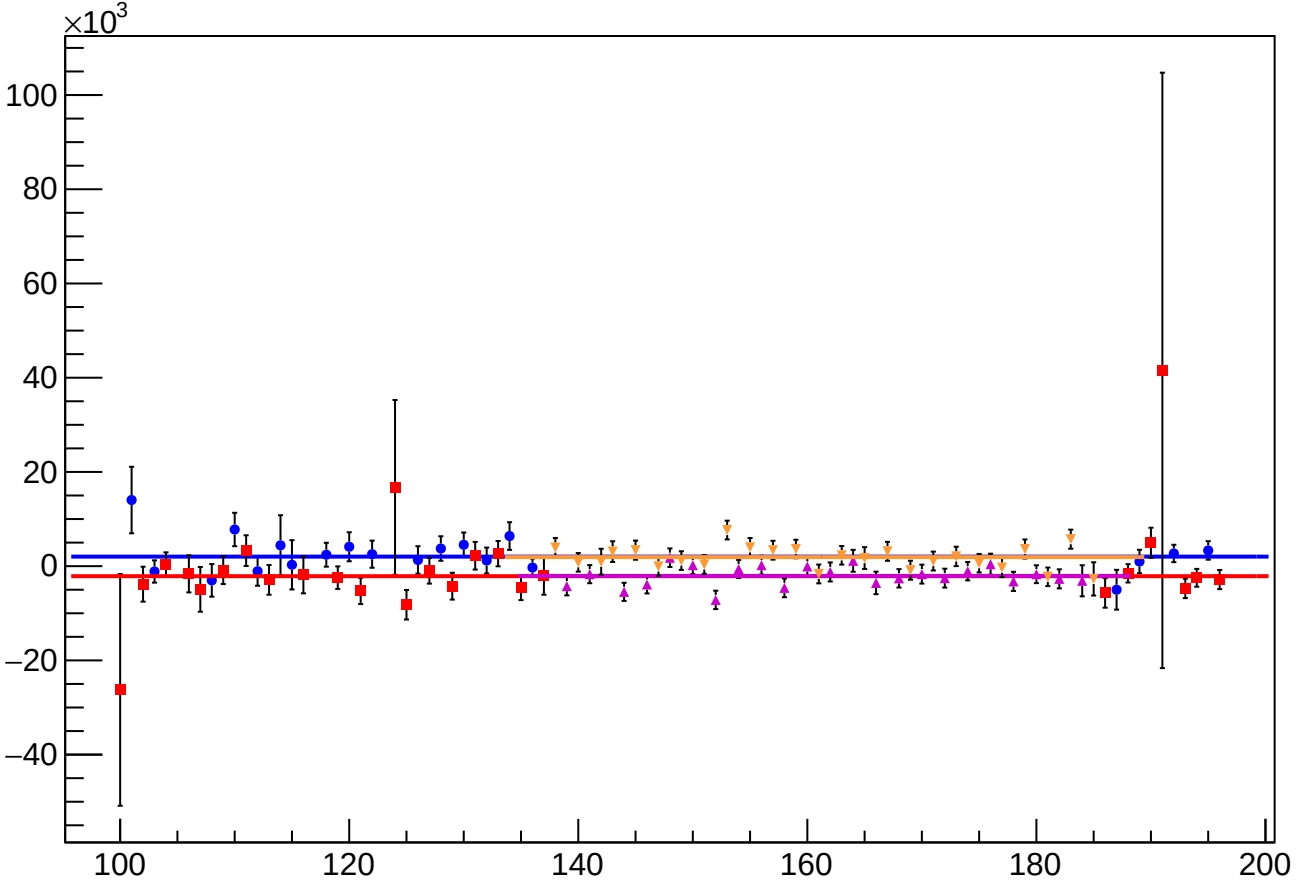
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 483.685+/-0.072 χ^2/NDF: 10649164.1/44

All: 495.792+/-0.051 χ^2/NDF: 20042351.0/93

- sign 508.556+/-0.073 χ^2/NDF: 9334363.5/48

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2025.113+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2127.438+/-571.724 χ^2/NDF: 27.1/25

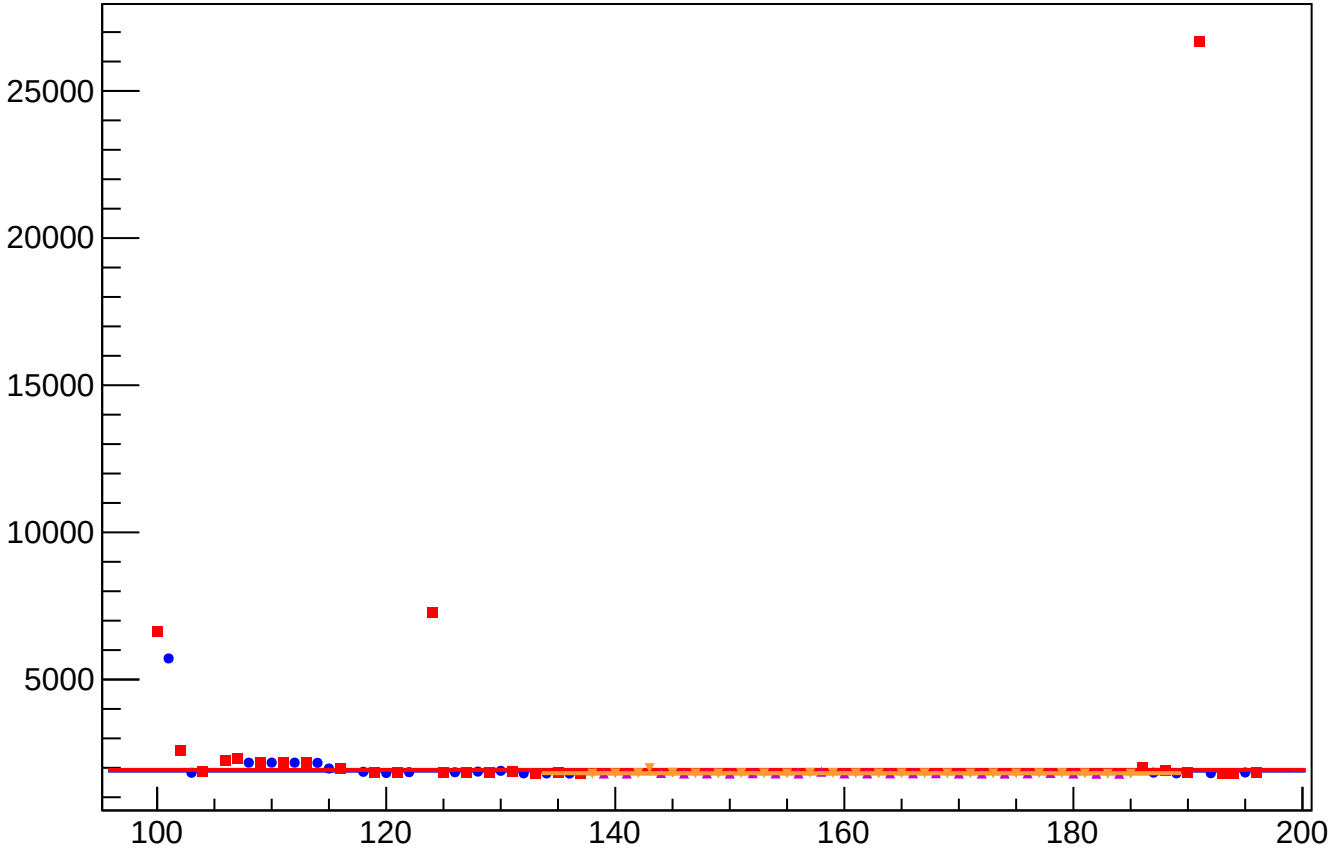
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.826+/-343.384 χ^2/NDF: 52.5/44

All: -89.272+/-241.658 χ^2/NDF: 176.2/93

- sign -2093.113+/-340.152 χ^2/NDF: 53.6/48

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1904.283+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

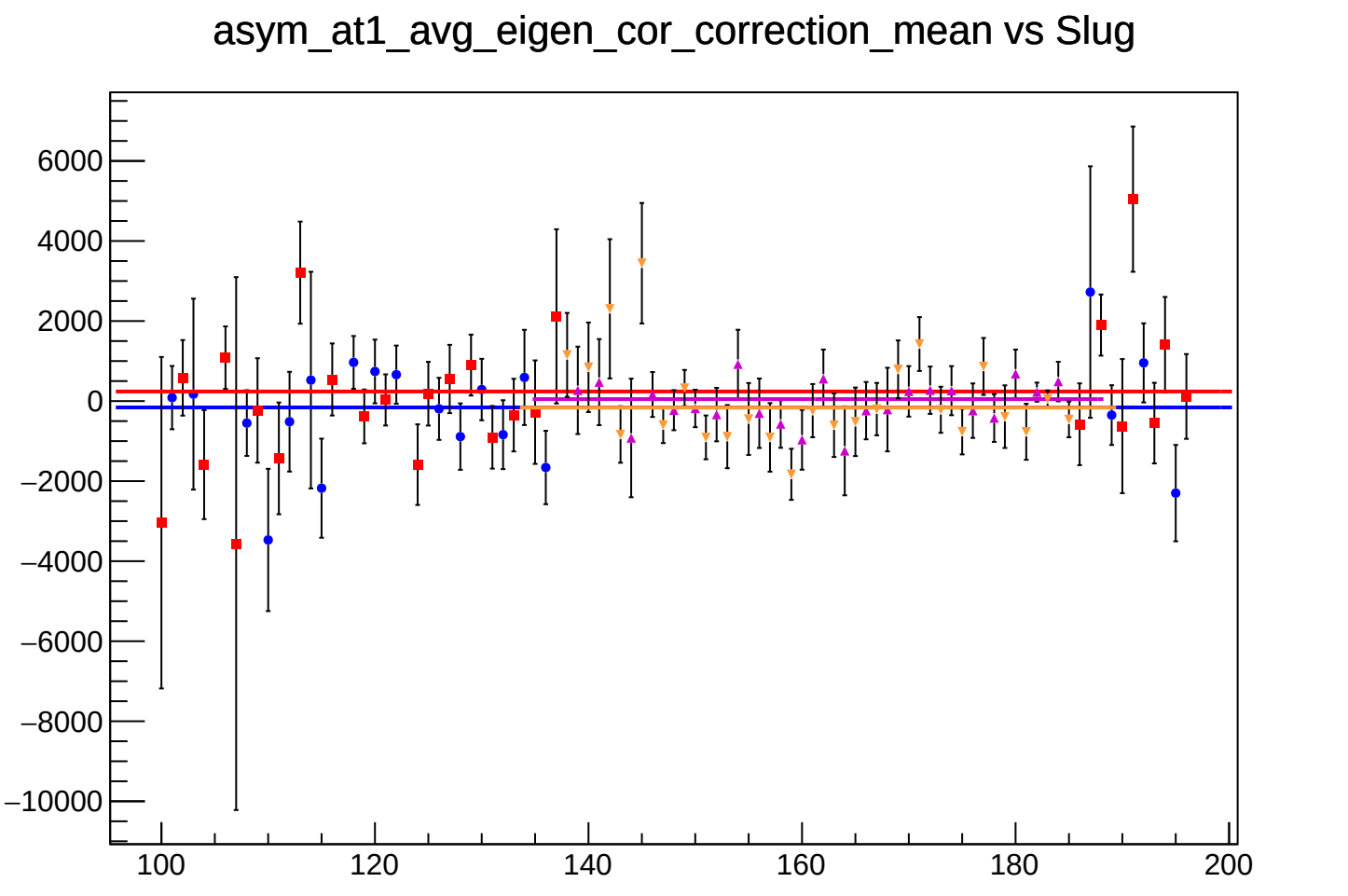
Right Out: 1929.546+/-0.404 χ^2/NDF: 718965.8/25

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

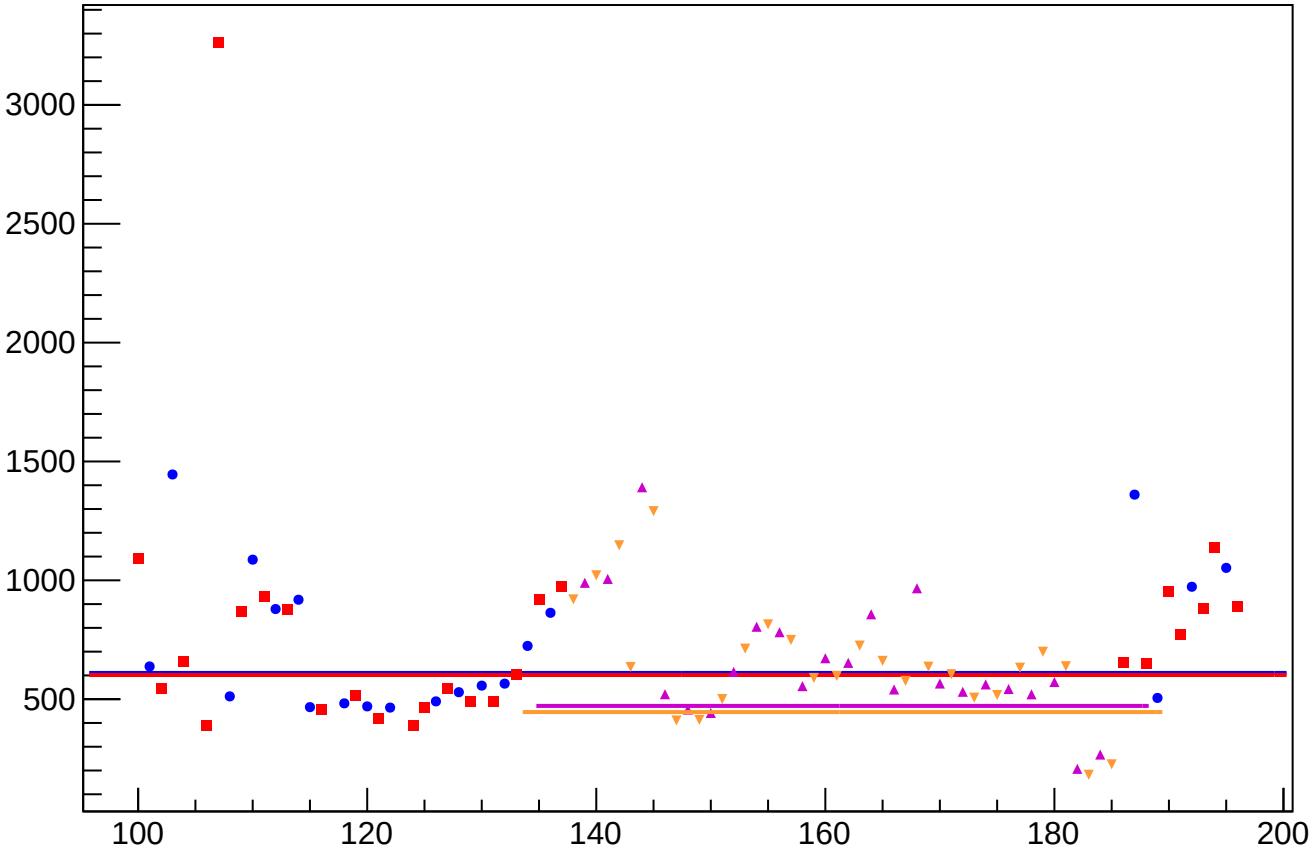
+ sign 1844.283+/-0.243 χ^2/NDF: 692138.8/44

All: 1849.167+/-0.171 χ^2/NDF: 1468030.5/93

- sign 1853.960+/-0.241 χ^2/NDF: 775089.9/48


asym_at1_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -158.207+/-211.051 χ²/NDF: 22.2/19
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: 239.747+/-195.278 χ²/NDF: 34.0/25
Left In: 49.310+/-122.694 χ²/NDF:11.3/22
+ sign -161.830+/-101.179 χ²/NDF: 59.1/44
All: -32.813+/-72.484 χ²/NDF: 108.4/93
- sign 103.210+/-103.889 χ²/NDF: 46.0/48

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 610.417+/-0.149 χ^2/NDF: 1728948.7/19

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

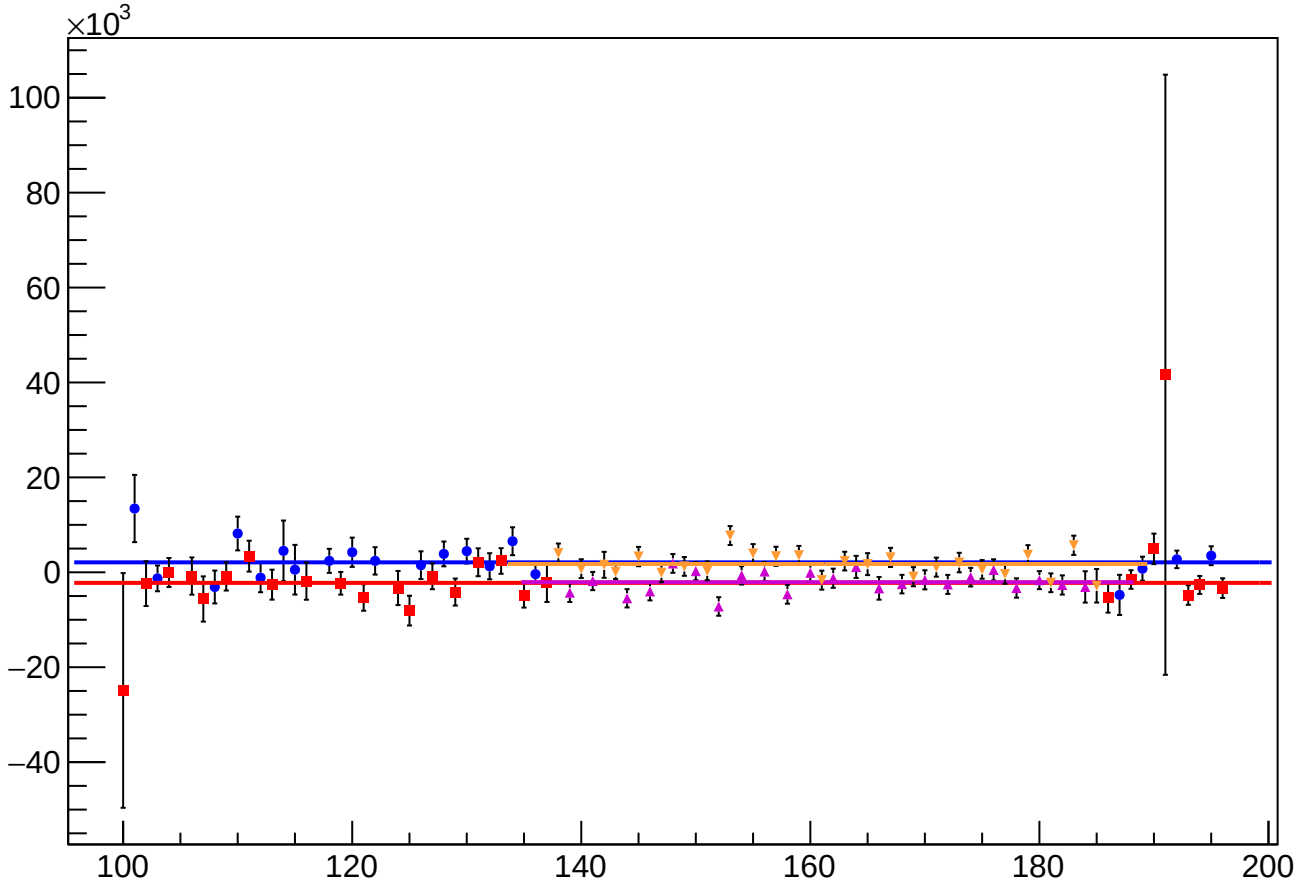
Right Out: 601.772+/-0.138 χ^2/NDF: 2285039.3/25

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 483.685+/-0.072 χ^2/NDF: 10649164.1/44

All: 495.792+/-0.051 χ^2/NDF: 20042351.0/93

- sign 508.556+/-0.073 χ^2/NDF: 9334363.5/48



Right In: 2099.103+/-625.685 χ^2/NDF: 20.0/19

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2224.630+/-573.026 χ^2/NDF: 25.3/25

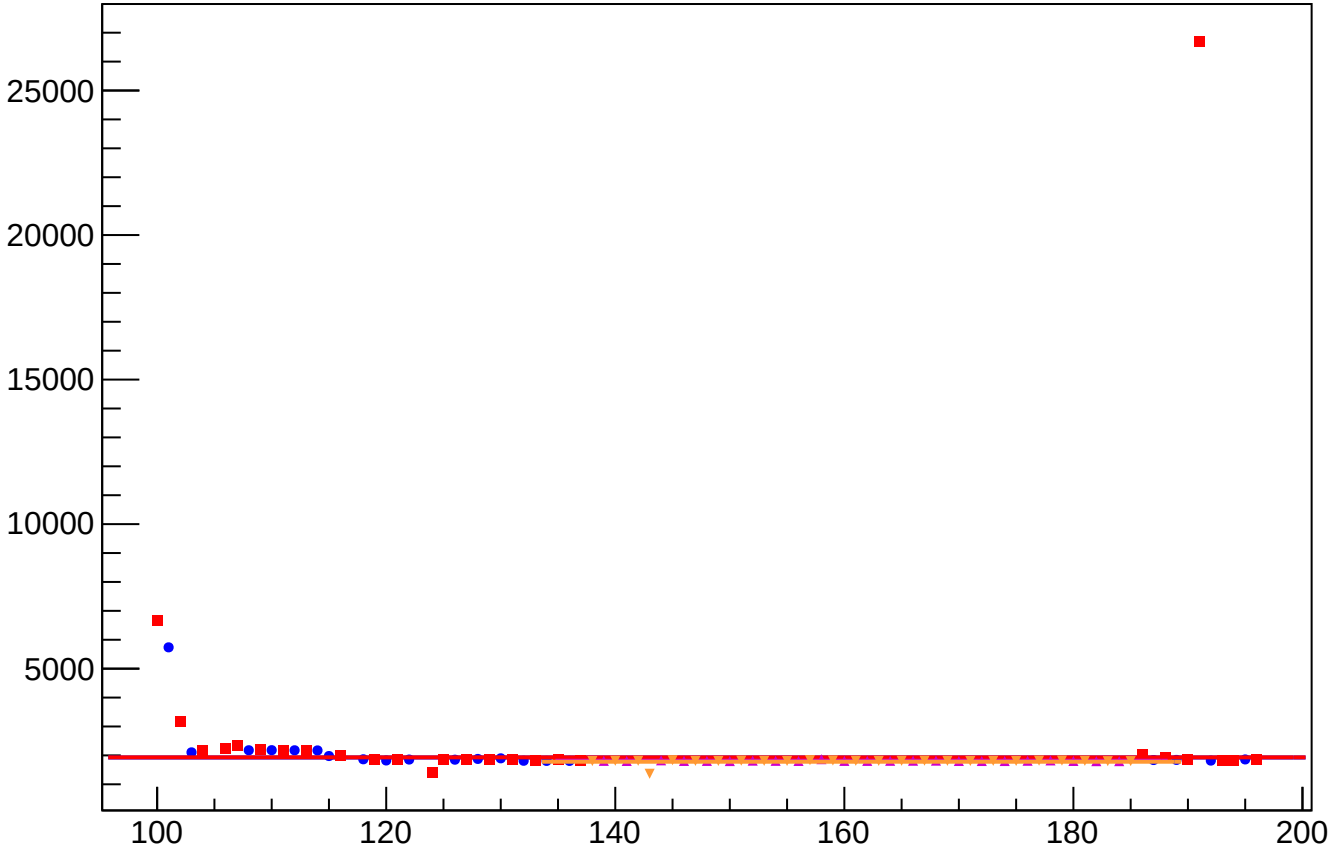
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1857.093+/-340.227 χ^2/NDF: 54.0/44

All: -132.375+/-240.729 χ^2/NDF: 174.8/93

- sign -2126.873+/-340.657 χ^2/NDF: 52.3/48

dit_asym_at1_avg_rms vs Slug



Right In: 1926.642+/-0.442 χ^2/NDF: 657055.5/19

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1932.177+/-0.405 χ^2/NDF: 678180.8/25

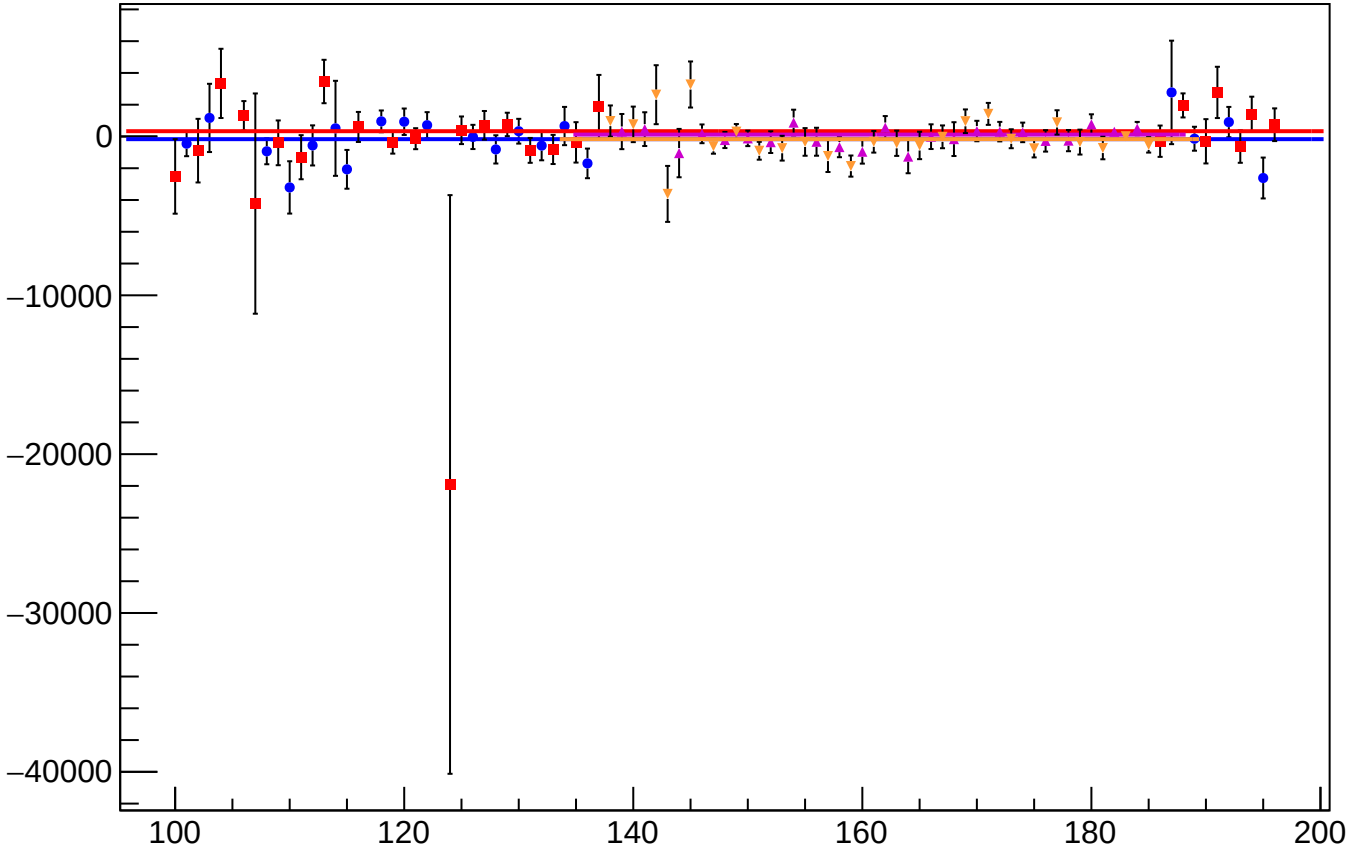
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1824.003+/-0.241 χ^2/NDF: 898406.9/44

All: 1840.004+/-0.170 χ^2/NDF: 1642139.7/93

- sign 1856.047+/-0.241 χ^2/NDF: 734873.3/48

asym_at1_avg_dit_correction_mean vs Slug



Right In: -169.278+/-216.300 χ^2/NDF: 22.9/19

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 332.234+/-206.971 χ^2/NDF: 30.2/25

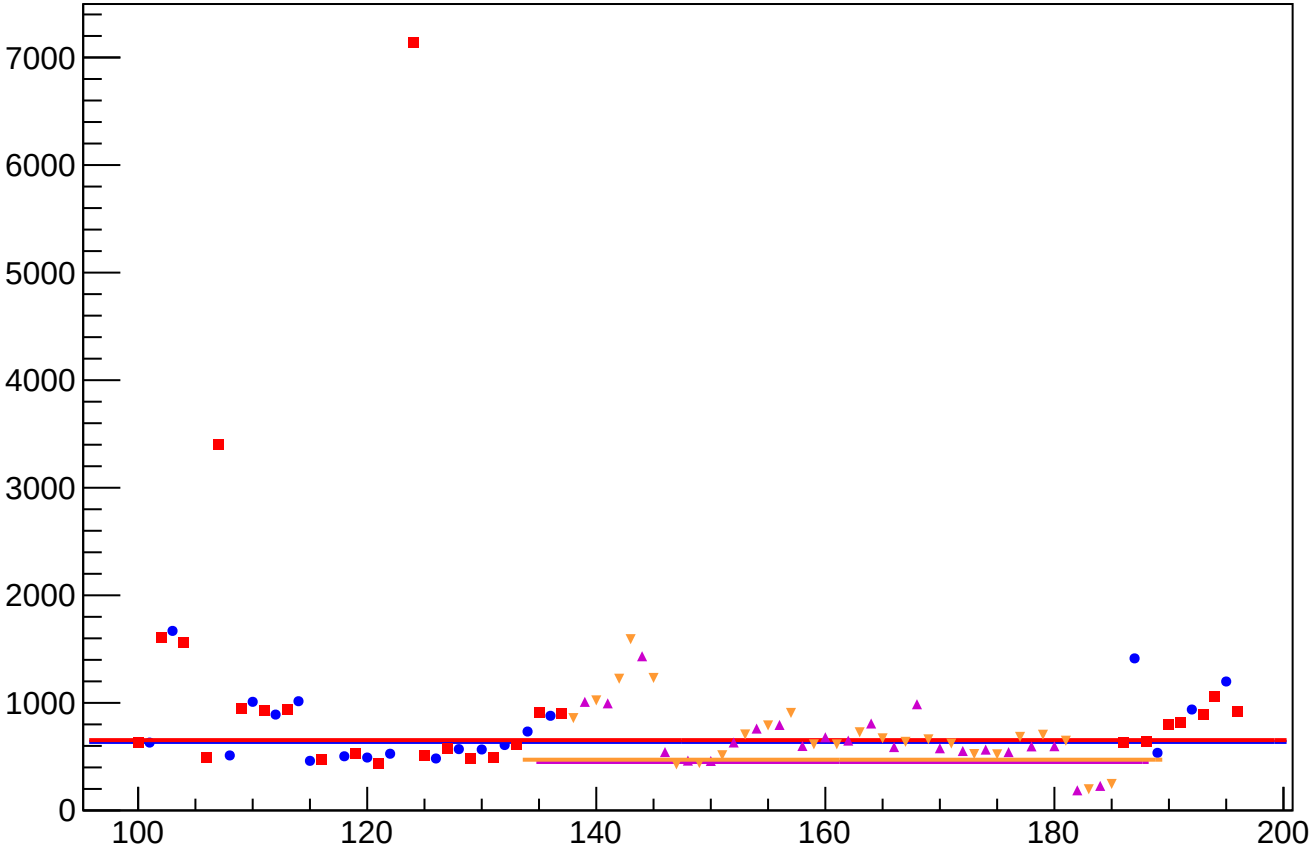
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -168.238+/-106.017 χ^2/NDF: 61.3/44

All: 5.264+/-74.120 χ^2/NDF: 109.8/93

\- sign 171.153+/-103.665 χ^2/NDF: 43.3/48

asym_at1_avg_dit_correction_rms vs Slug



Right In: 637.095+/-0.153 χ^2/NDF: 1928836.4/19

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 653.857+/-0.146 χ^2/NDF: 2977212.6/25

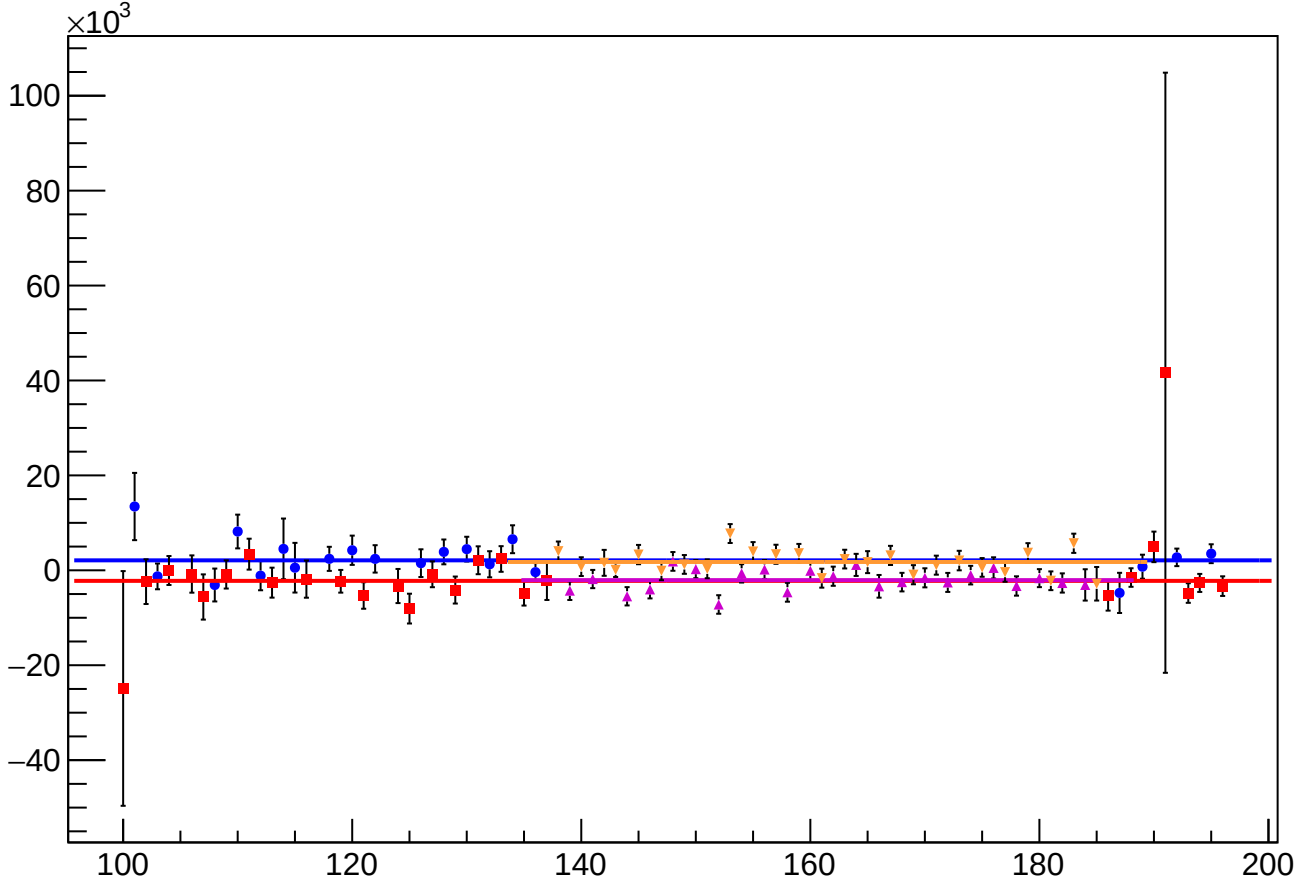
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 511.492+/-0.075 χ^2/NDF: 10929143.6/44

All: 506.450+/-0.052 χ^2/NDF: 23287771.0/93

- sign 501.630+/-0.073 χ^2/NDF: 12349779.3/48

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2099.102+/-625.685 χ^2/NDF: 20.0/19

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2224.628+/-573.026 χ^2/NDF: 25.3/25

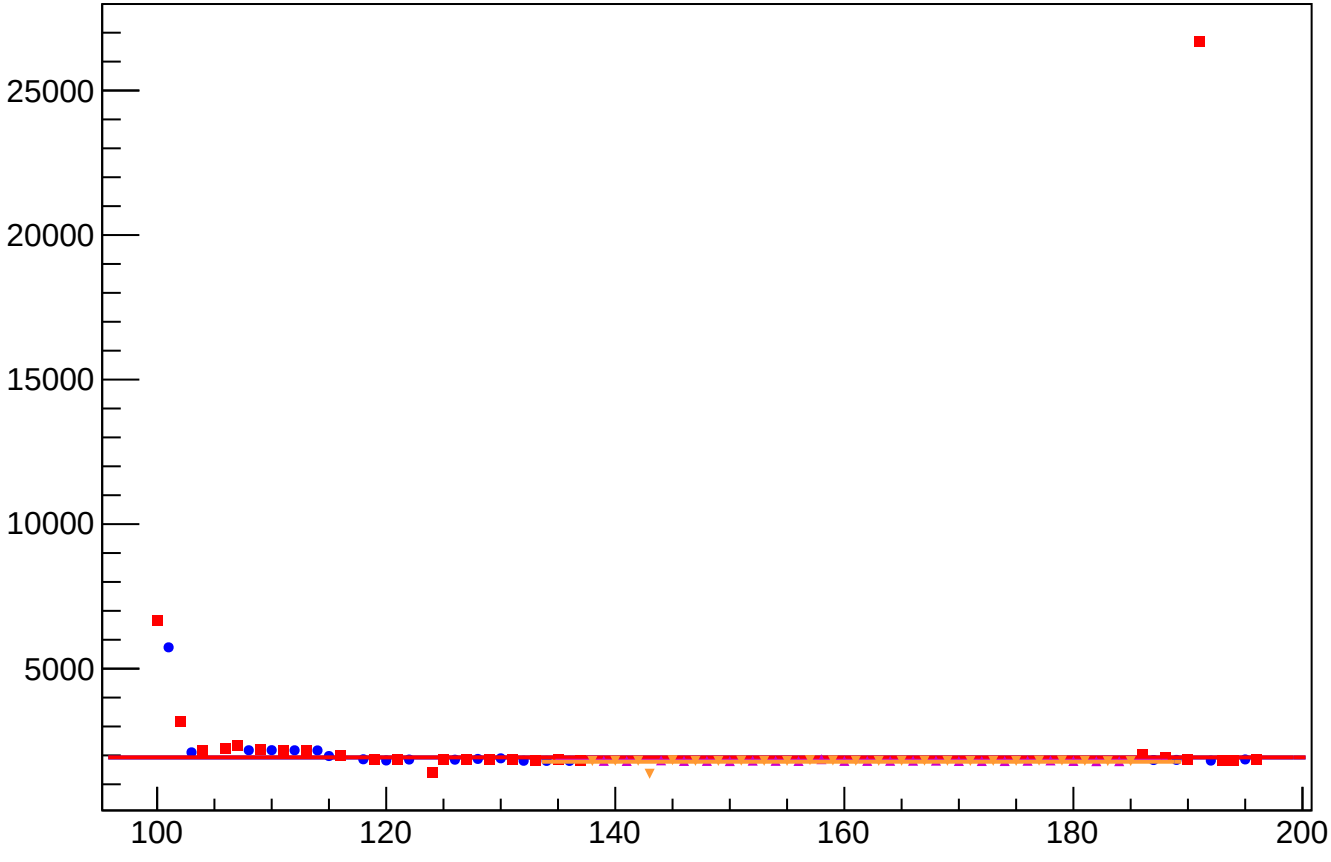
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1857.093+/-340.227 χ^2/NDF: 54.0/44

All: -132.374+/-240.729 χ^2/NDF: 174.8/93

- sign -2126.873+/-340.657 χ^2/NDF: 52.3/48

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1926.642+/-0.442 χ^2/NDF: 657055.1/19

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1932.177+/-0.405 χ^2/NDF: 678179.4/25

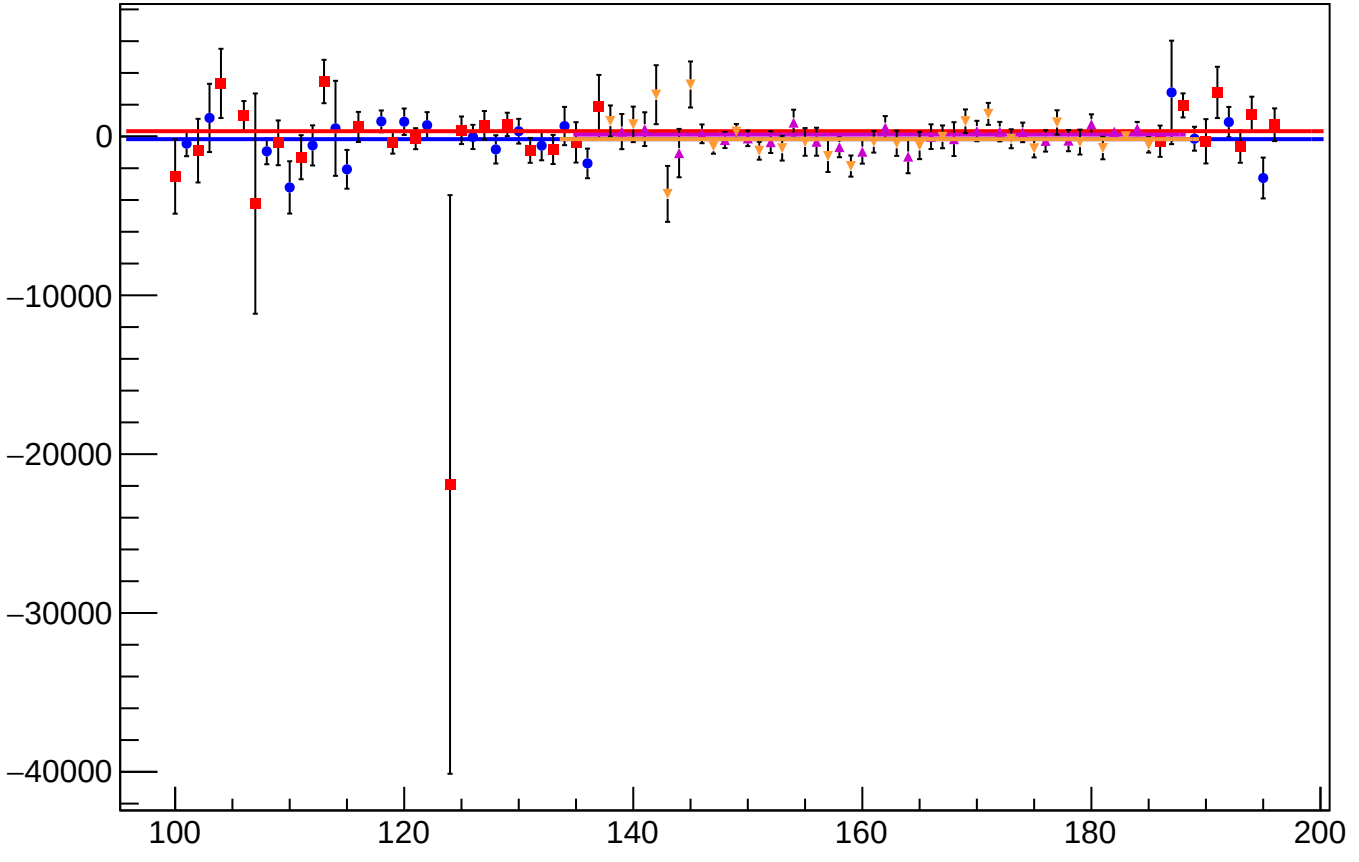
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1824.003+/-0.241 χ^2/NDF: 898406.4/44

All: 1840.004+/-0.170 χ^2/NDF: 1642137.6/93

- sign 1856.047+/-0.241 χ^2/NDF: 734871.8/48

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -169.278+/-216.299 χ^2/NDF: 22.9/19

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

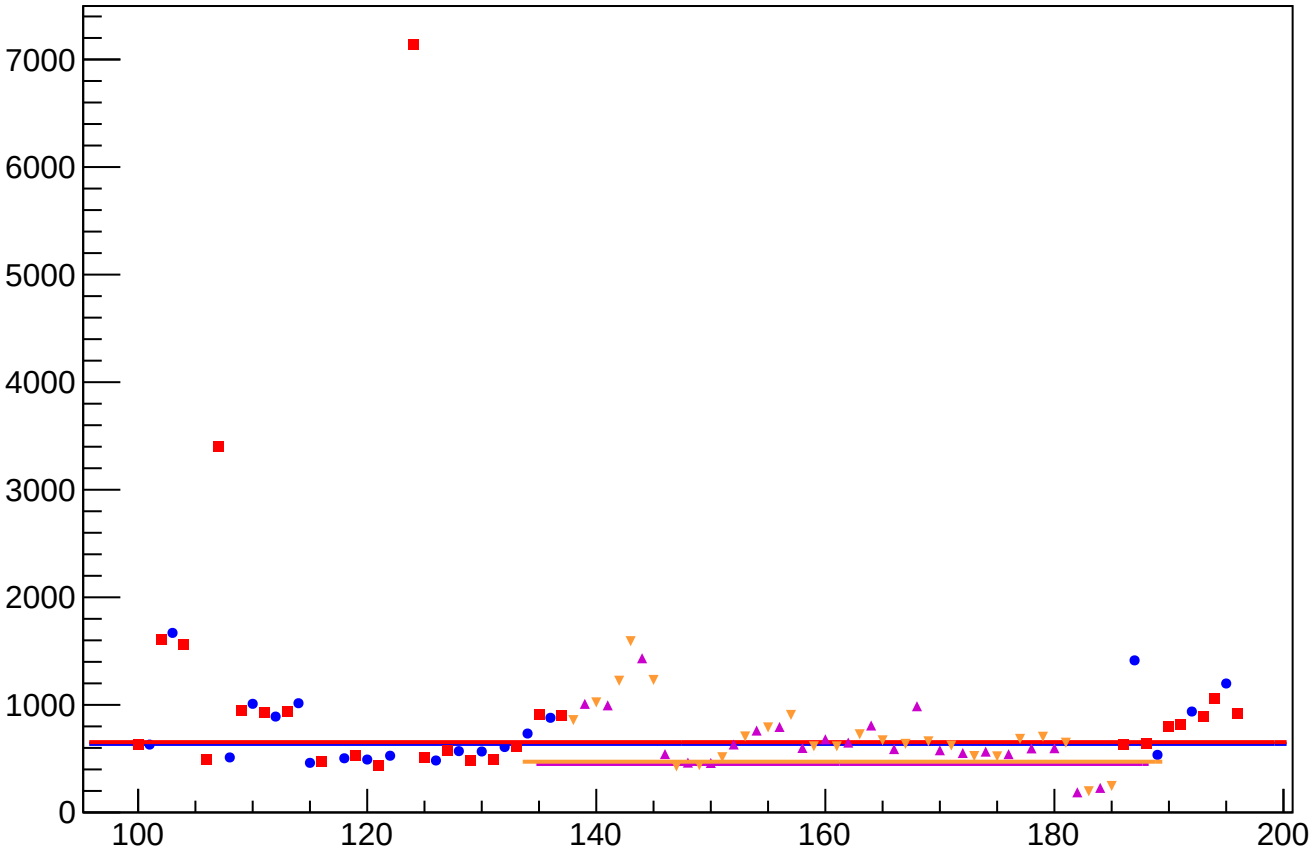
Right Out: 332.234+/-206.971 χ^2/NDF: 30.2/25

Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.238+/-106.017 χ^2/NDF: 61.3/44

All: 5.264+/-74.120 χ^2/NDF: 109.8/93

- sign 171.154+/-103.665 χ^2/NDF: 43.3/48



Right In: 637.094+/-0.153 χ^2/NDF: 1928847.4/19

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 653.856+/-0.146 χ^2/NDF: 2977226.7/25

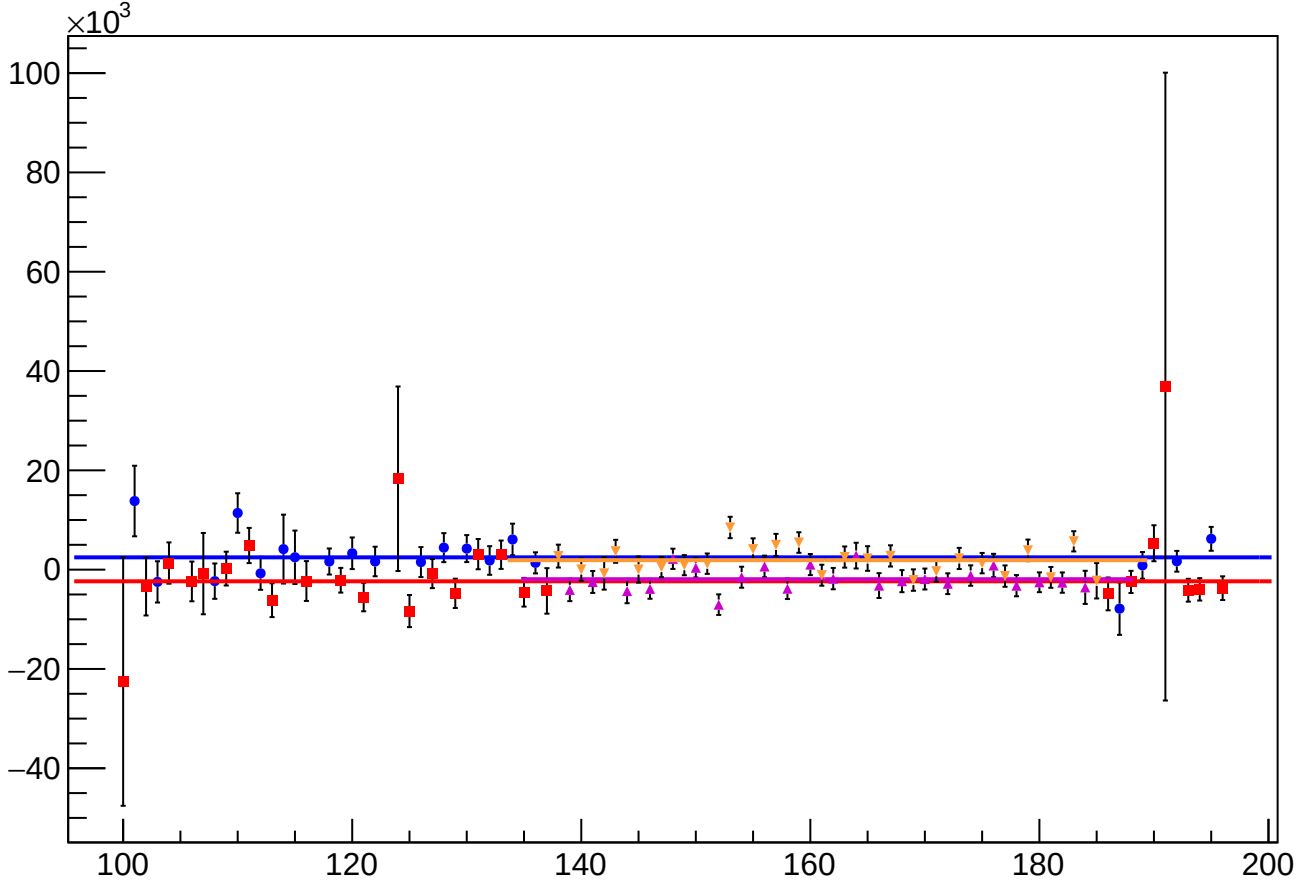
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 511.493+/-0.075 χ^2/NDF: 10929138.4/44

All: 506.451+/-0.052 χ^2/NDF: 23287742.7/93

- sign 501.630+/-0.073 χ^2/NDF: 12349756.7/48

asym_at1_avg_mean vs Slug



Right In: 2476.446+/-689.880 χ^2/NDF: 21.4/19

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2346.627+/-642.633 χ^2/NDF: 28.7/25

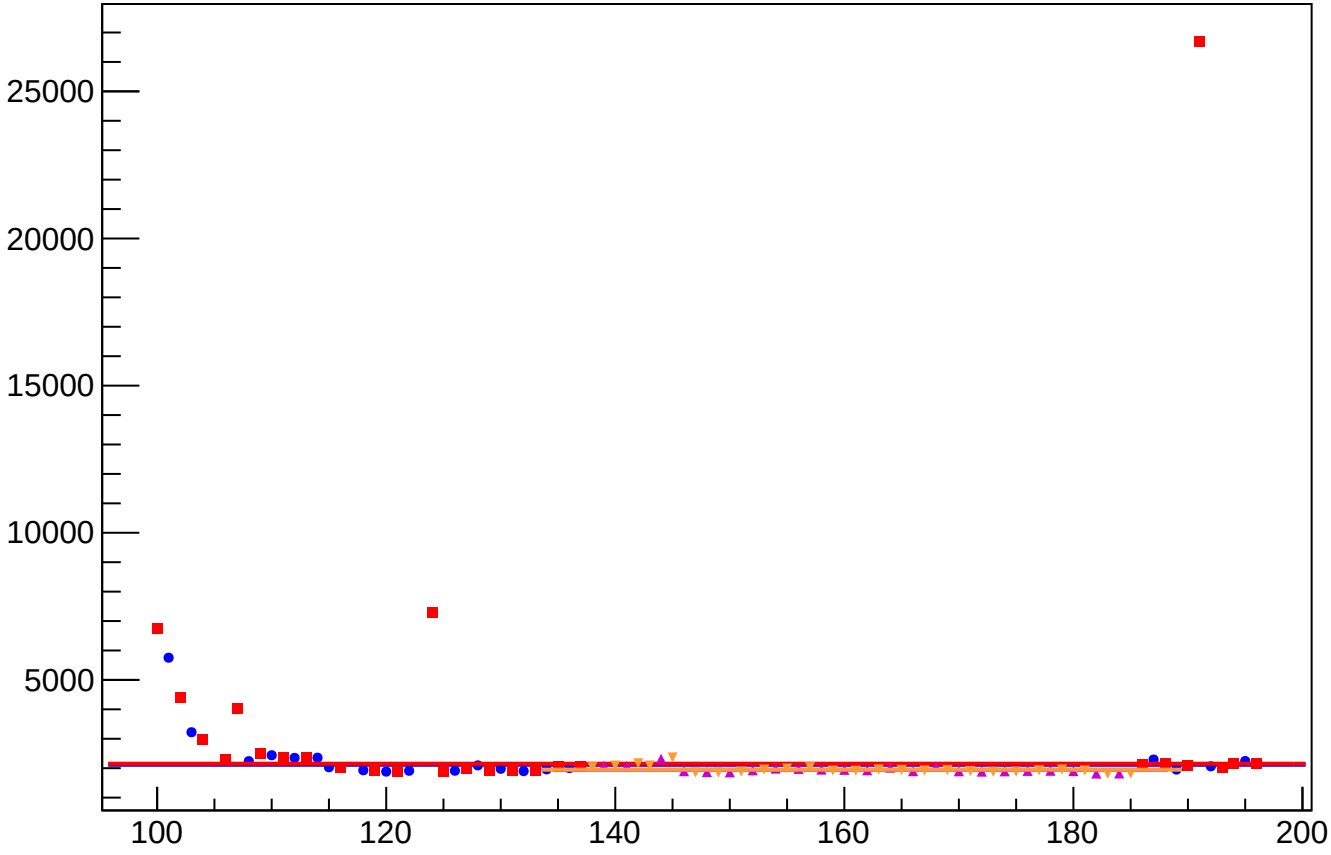
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2073.793+/-373.075 χ^2/NDF: 58.1/44

All: -6.480+/-263.167 χ^2/NDF: 173.8/93

- sign -2066.782+/-371.280 χ^2/NDF: 53.8/48

asym_at1_avg_rms vs Slug



Right In: 2116.537+/-0.488 χ^2/NDF: 776483.9/19

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

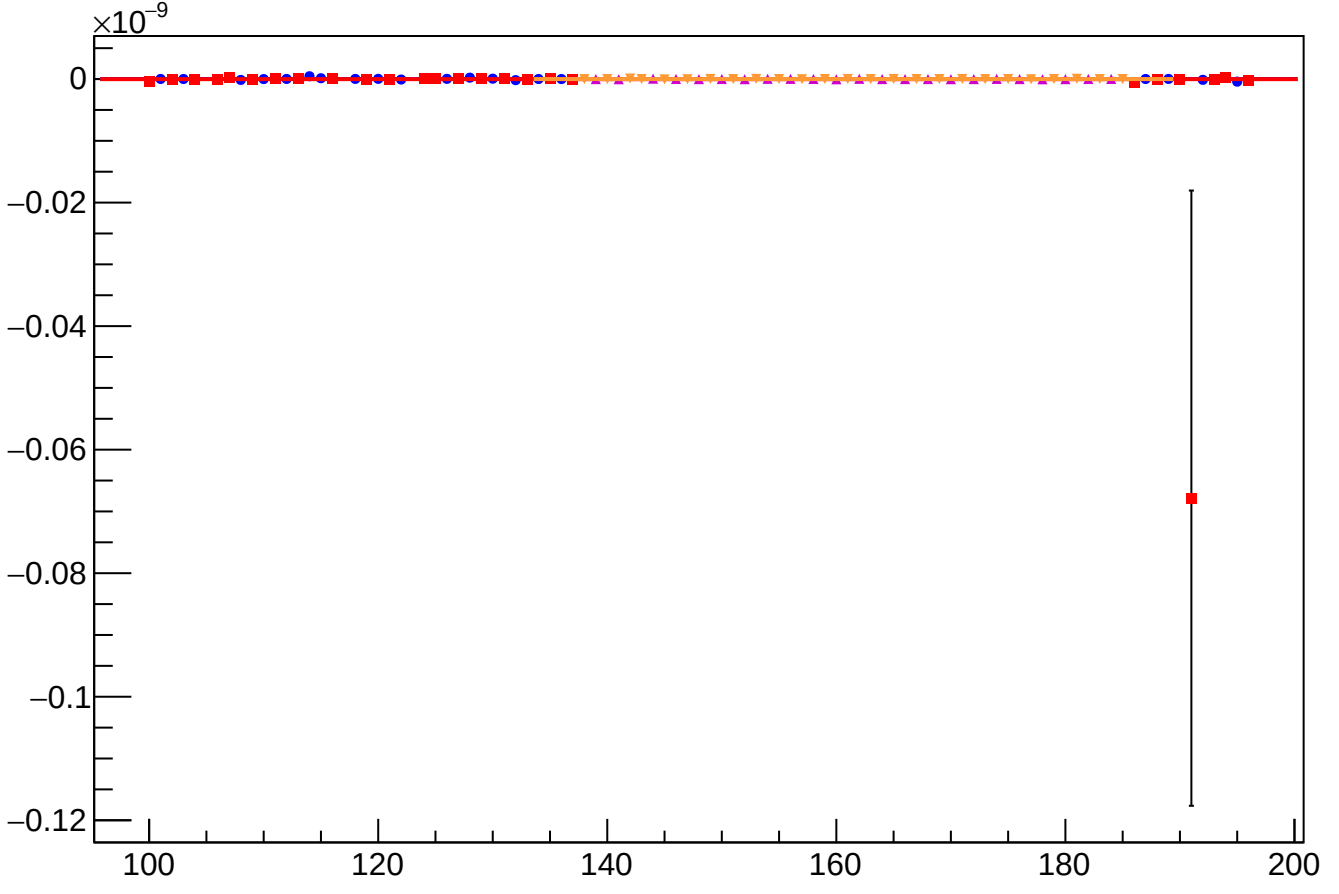
Right Out: 2152.758+/-0.454 χ^2/NDF: 1137058.7/25

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1997.996+/-0.264 χ^2/NDF: 968463.6/44

All: 2006.256+/-0.186 χ^2/NDF: 2342512.4/93

- sign 2014.436+/-0.263 χ^2/NDF: 1372097.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

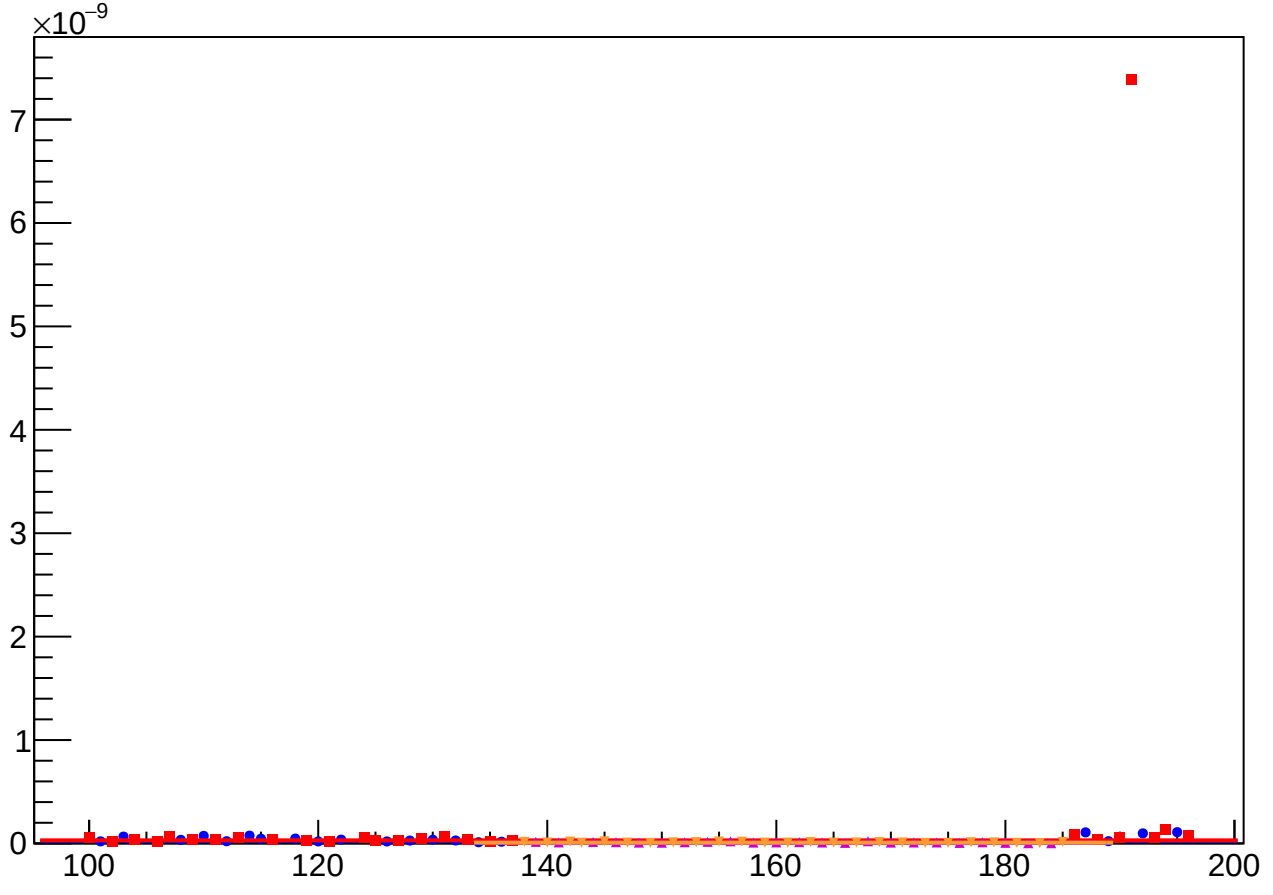
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/44

All: 0.000+/-0.000 χ^2/NDF: 109.6/93

- 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: 2031211.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1942996.3/25

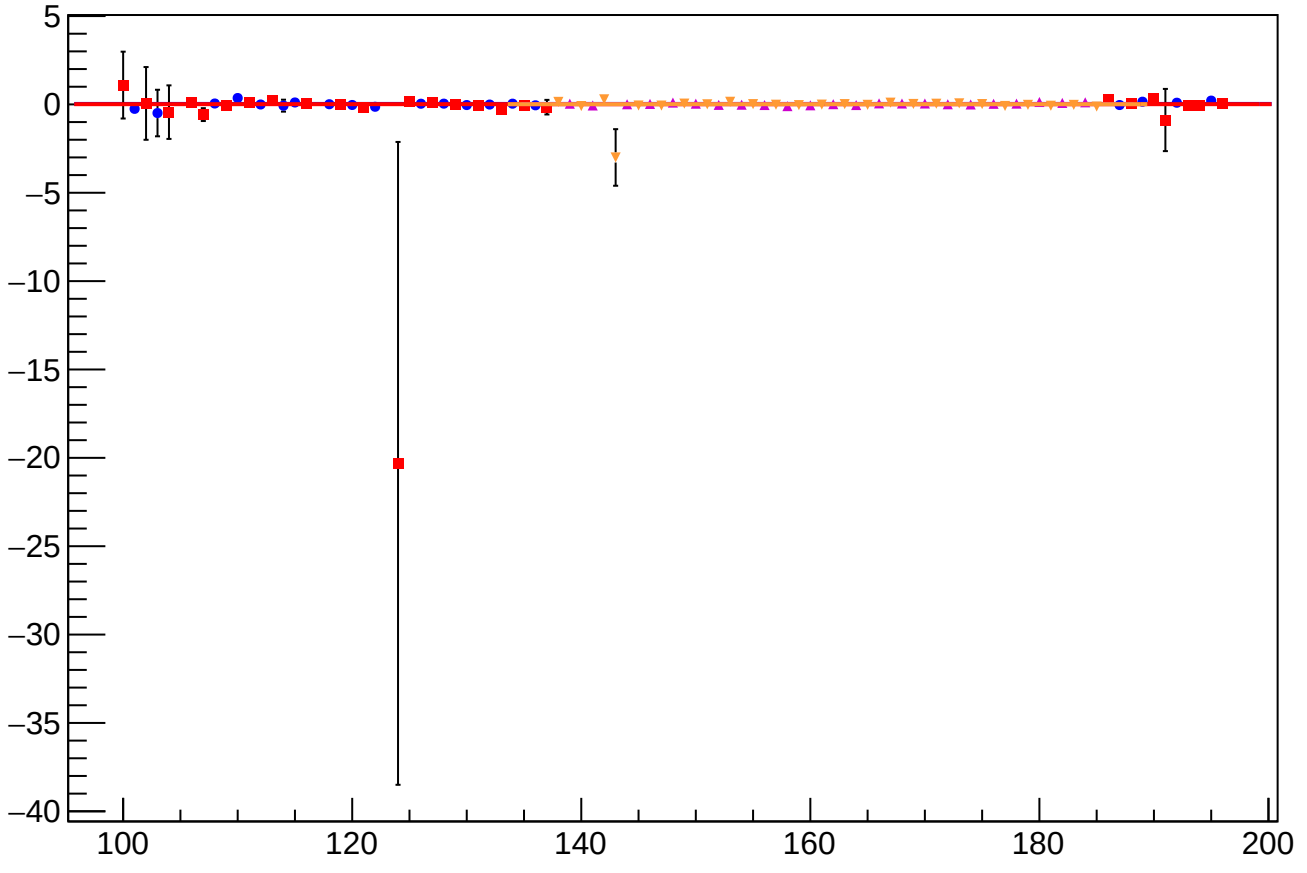
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6502863.0/44

All: 0.000+/-0.000 χ^2/NDF: 14424145.4/93

- sign 0.000+/-0.000 χ^2/NDF: 7919131.0/48

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

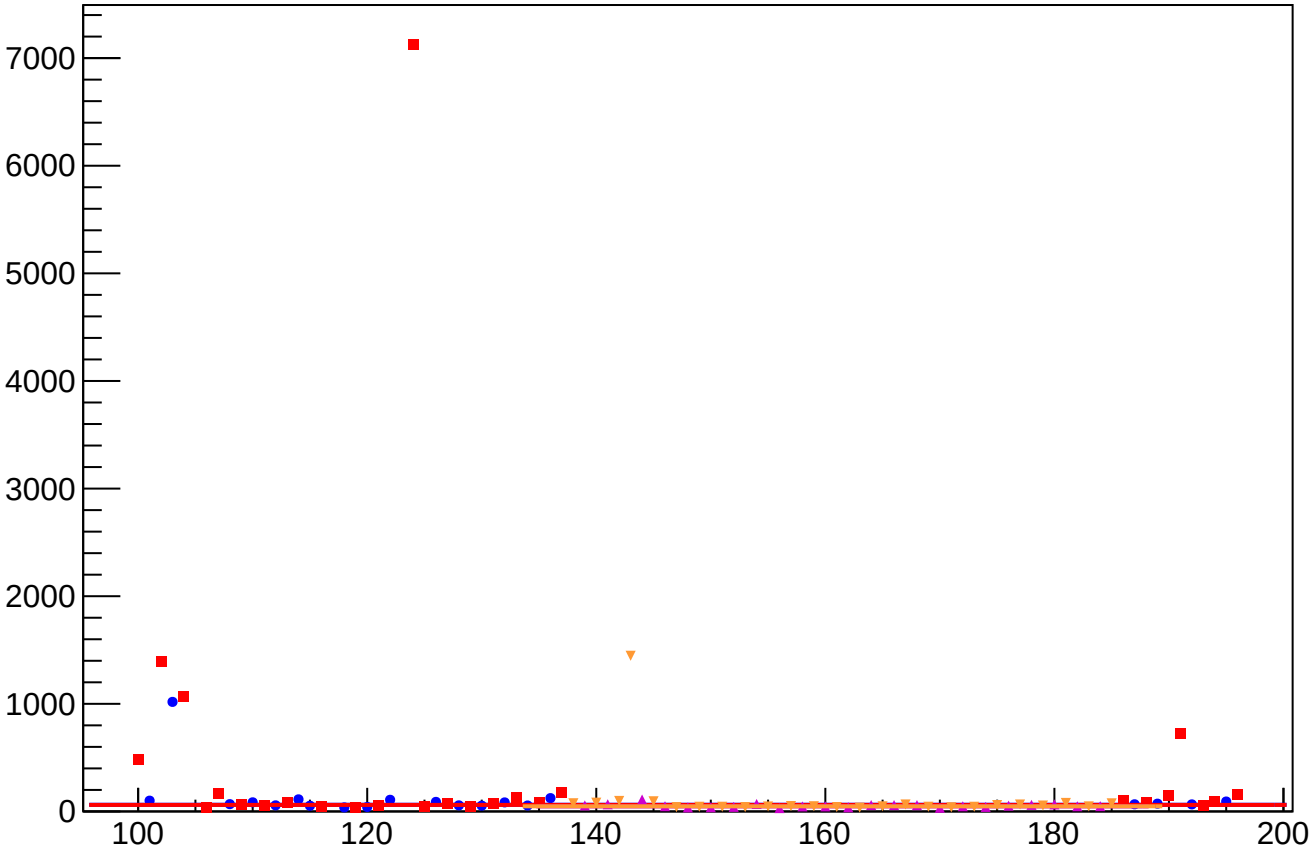
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.6/93

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.291+/-0.017 χ^2/NDF: 2697115.9/19

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

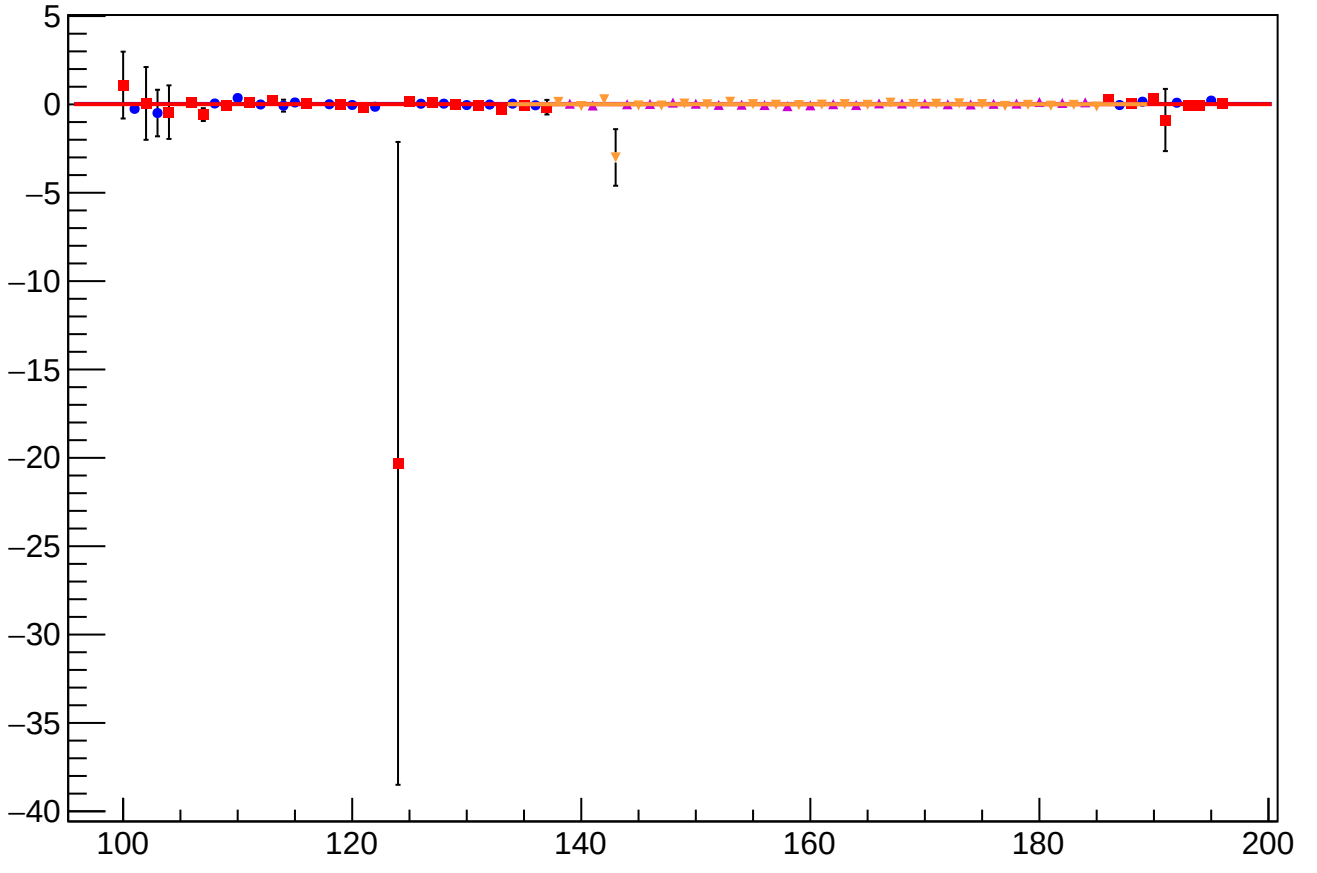
Right Out: 60.746+/-0.016 χ^2/NDF: 4938593.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764930.0/44

All: 50.468+/-0.005 χ^2/NDF: 14256313.0/93

- sign 49.987+/-0.008 χ^2/NDF: 7483175.3/48



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

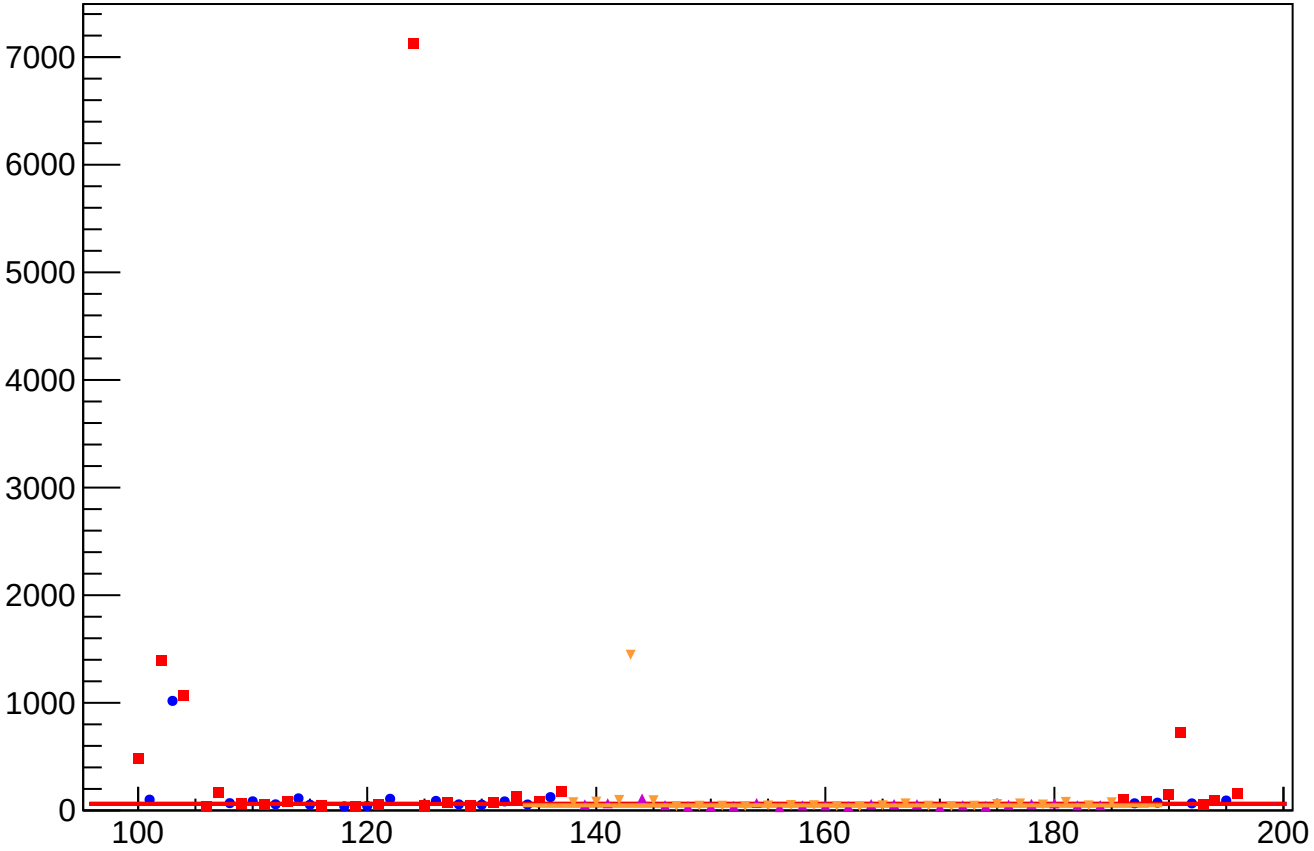
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.6/93

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.291+/-0.017 χ^2/NDF: 2697115.9/19

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

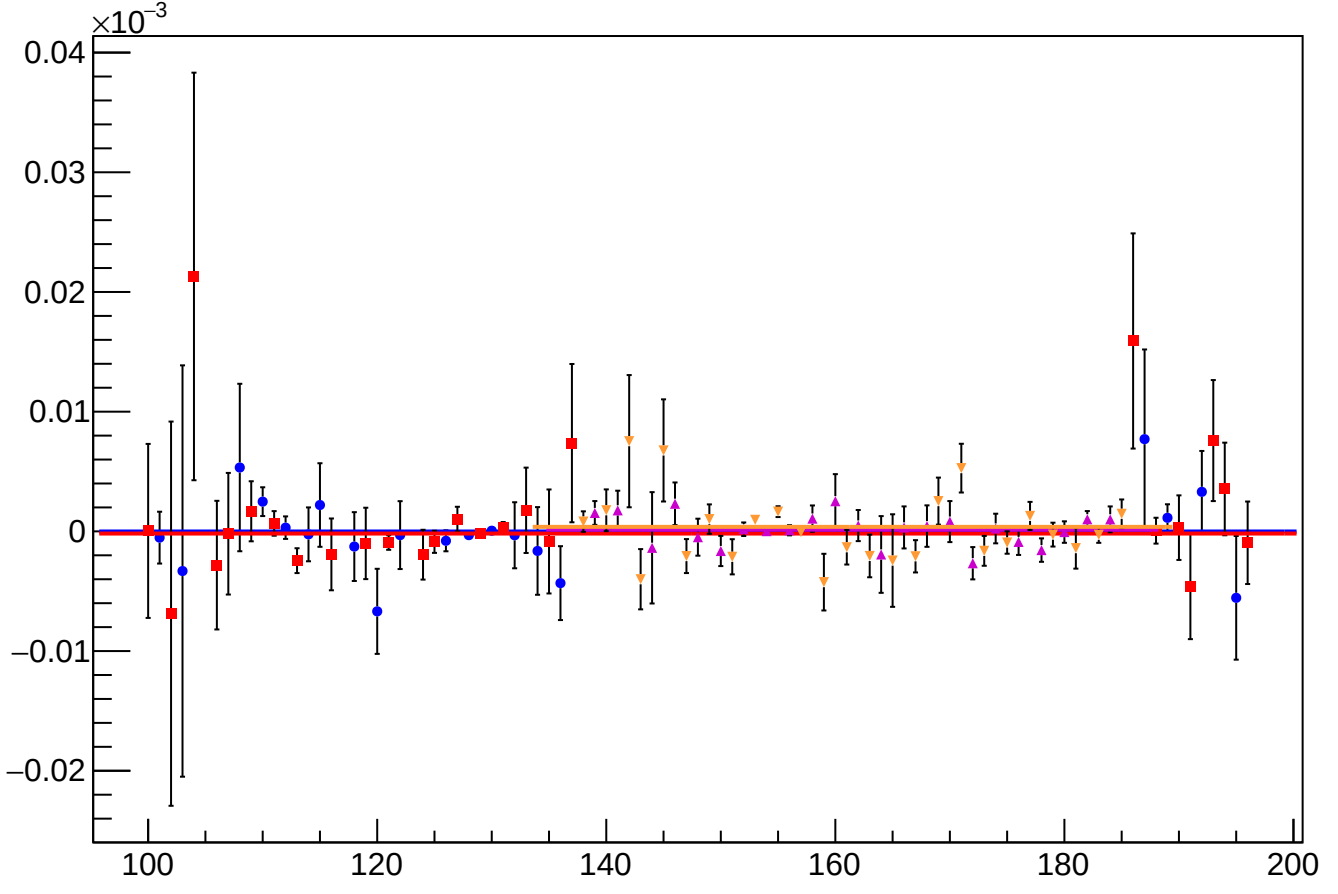
Right Out: 60.746+/-0.016 χ^2/NDF: 4938593.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764930.0/44

All: 50.468+/-0.005 χ^2/NDF: 14256313.0/93

- sign 49.987+/-0.008 χ^2/NDF: 7483175.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/25

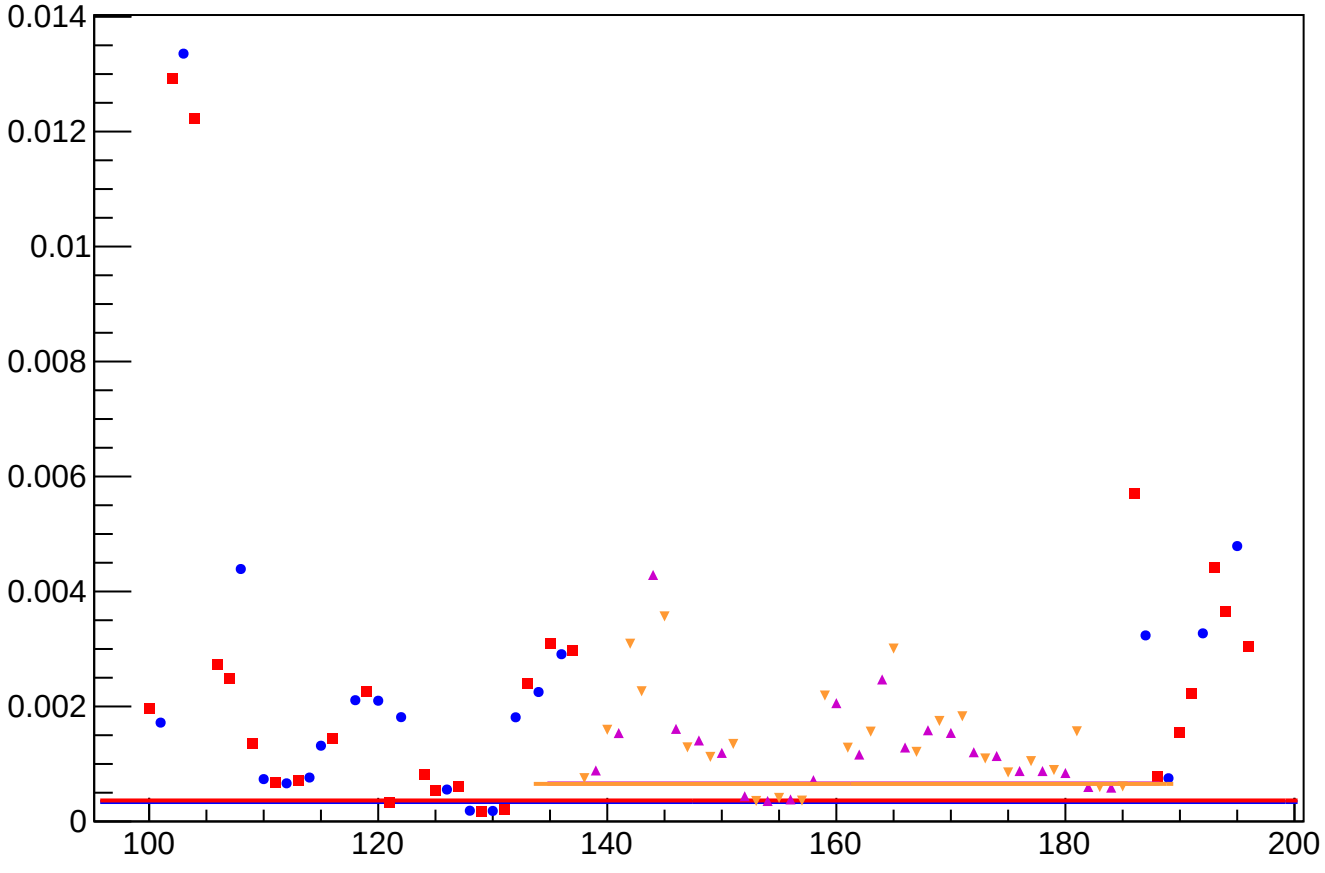
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/44

All: 0.000+/-0.000 χ^2/NDF: 116.8/93

- 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: 12330560.1/19

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

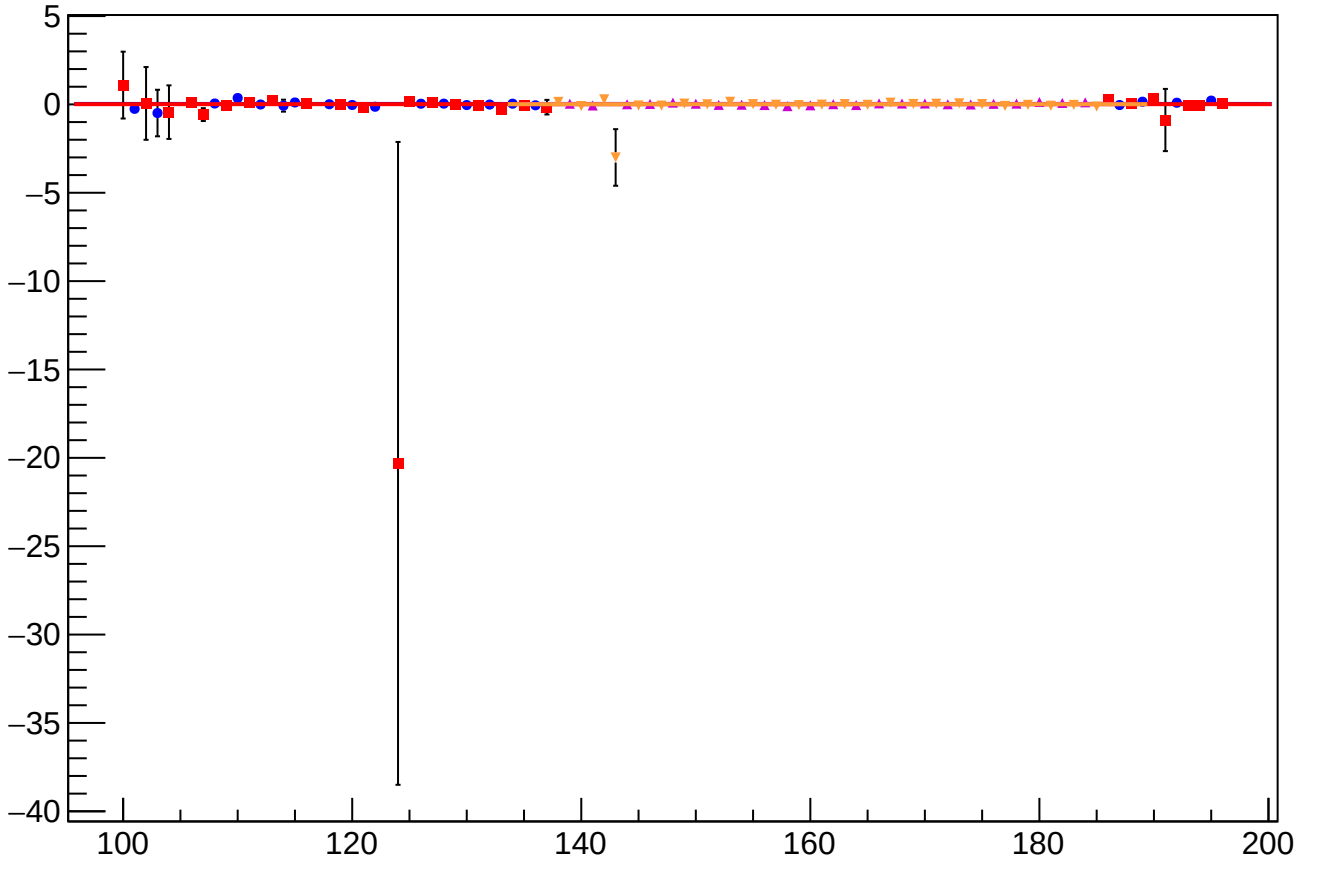
Right Out: 0.000+/-0.000 χ^2/NDF: 13817581.0/25

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 27282956.7/44

All: 0.001+/-0.000 χ^2/NDF: 53273034.0/93

- sign 0.001+/-0.000 χ^2/NDF: 25983397.3/48



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

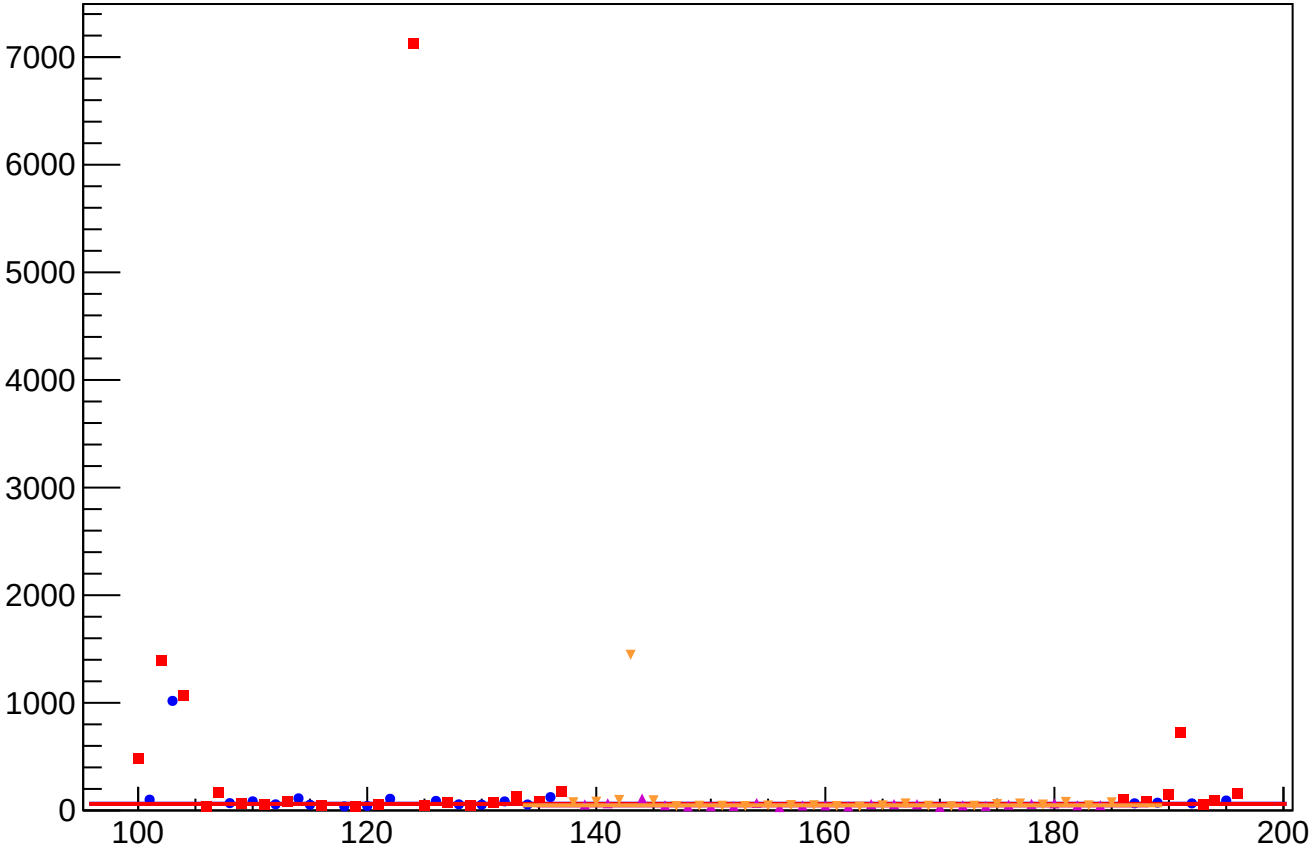
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.6/93

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.291+/-0.017 χ^2/NDF: 2697153.2/19

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

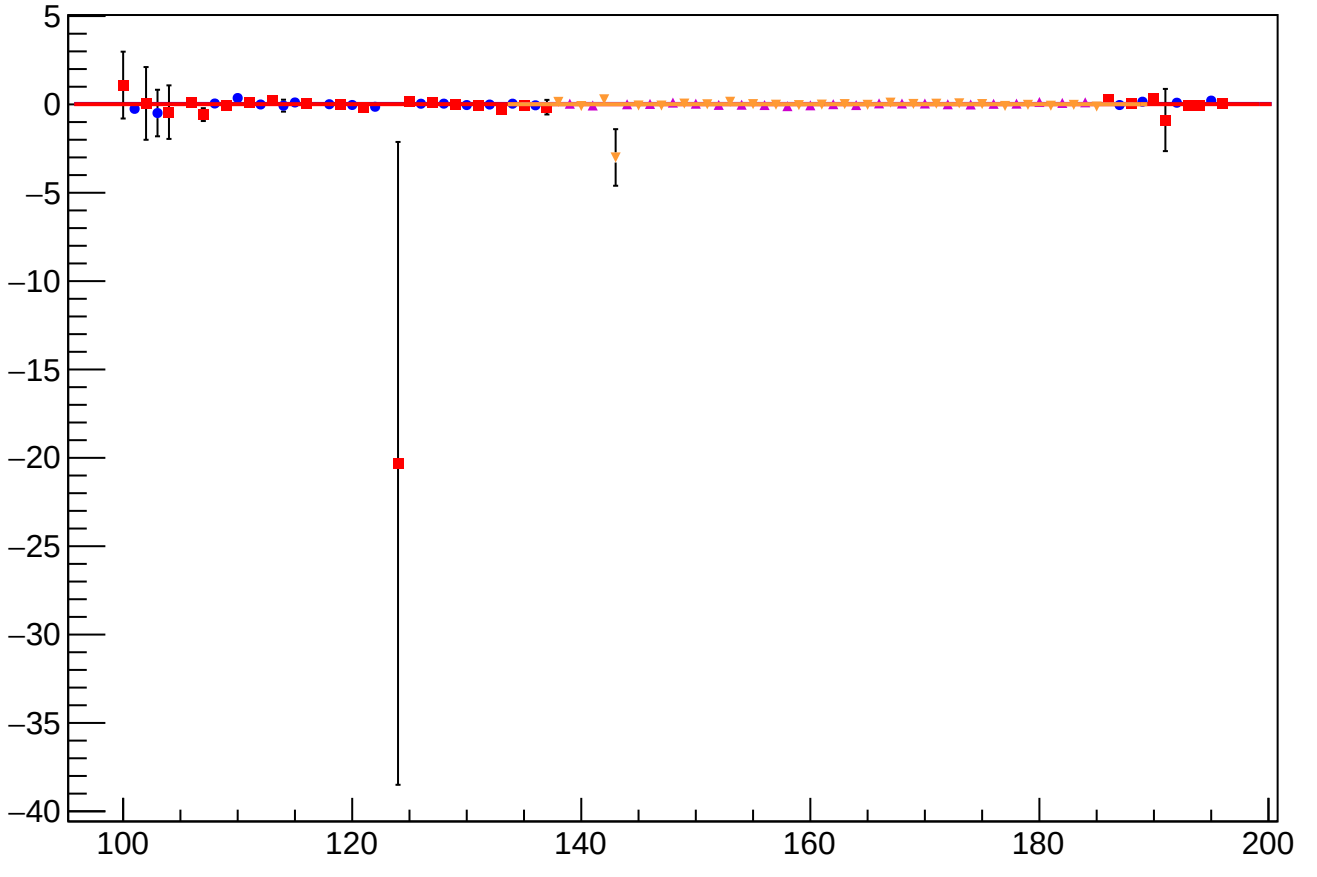
Right Out: 60.745+/-0.016 χ^2/NDF: 4938719.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 50.974+/-0.008 χ^2/NDF: 6764921.3/44

All: 50.468+/-0.005 χ^2/NDF: 14256351.5/93

\- sign 49.986+/-0.008 χ^2/NDF: 7483216.3/48



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

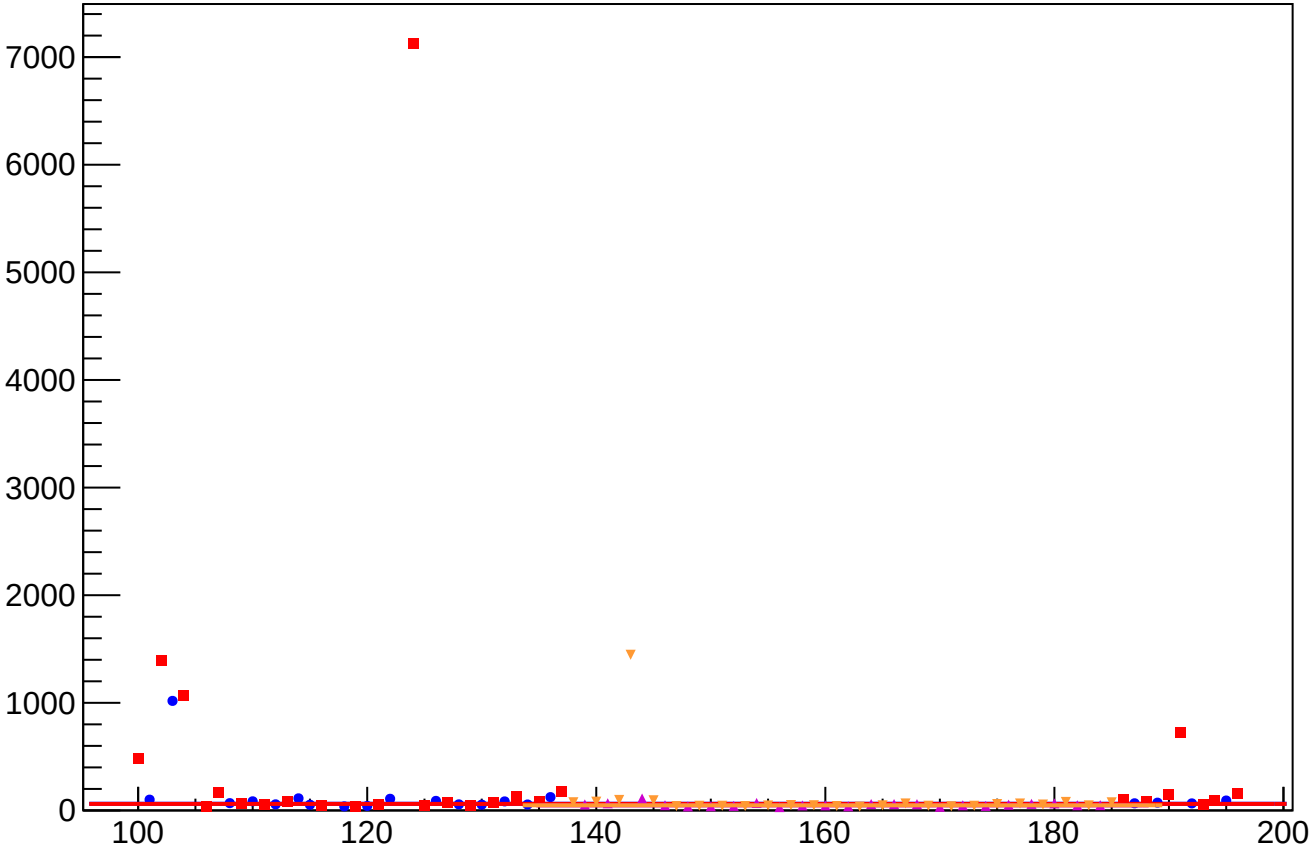
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.6/93

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.291+/-0.017 χ^2/NDF: 2697153.2/19

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

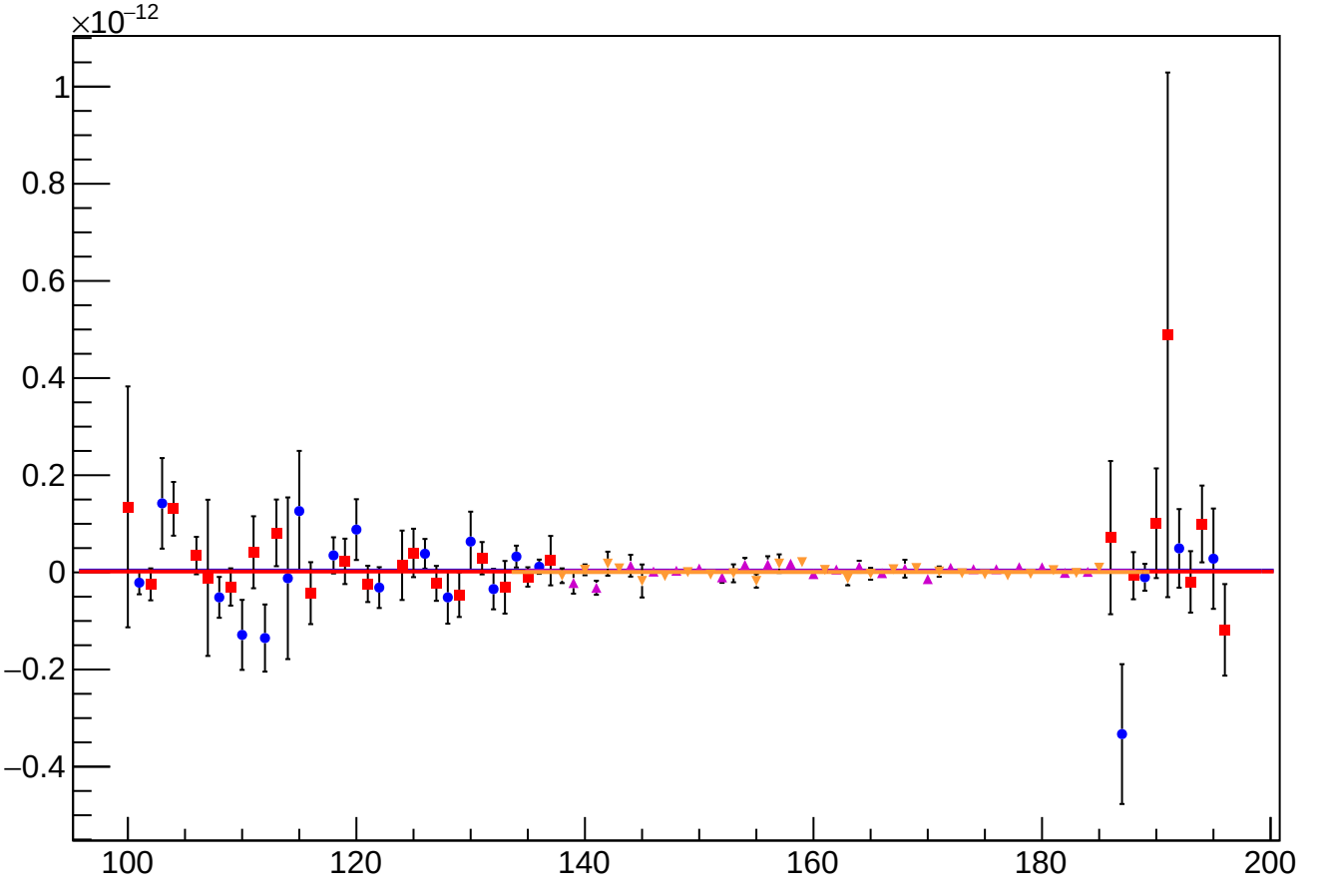
Right Out: 60.745+/-0.016 χ^2/NDF: 4938719.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 50.974+/-0.008 χ^2/NDF: 6764921.3/44

All: 50.468+/-0.005 χ^2/NDF: 14256351.5/93

\- sign 49.986+/-0.008 χ^2/NDF: 7483216.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

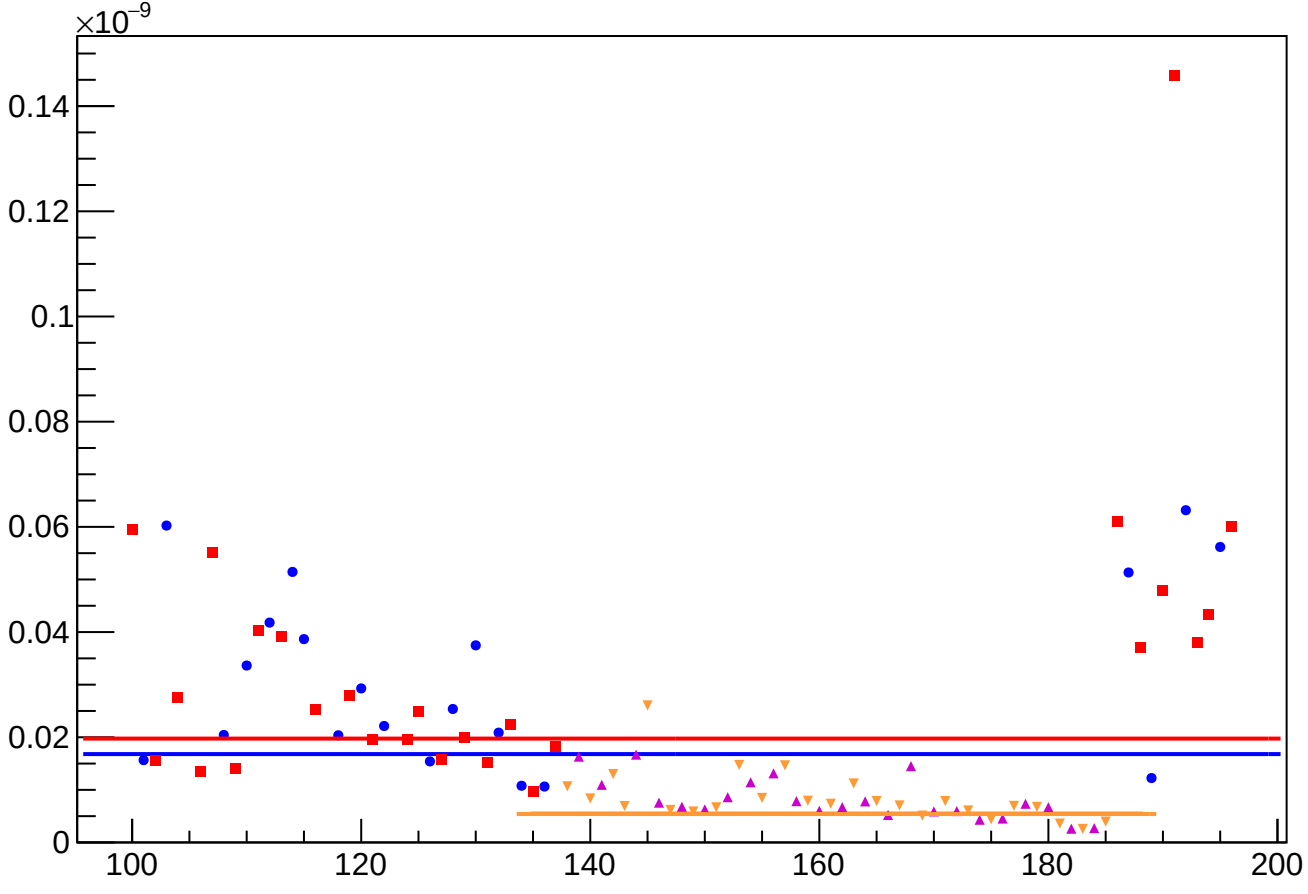
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/25

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/44

All: 0.000+/-0.000 χ^2/NDF: 85.7/93

- sign 0.000+/-0.000 χ^2/NDF: 41.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3018496.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

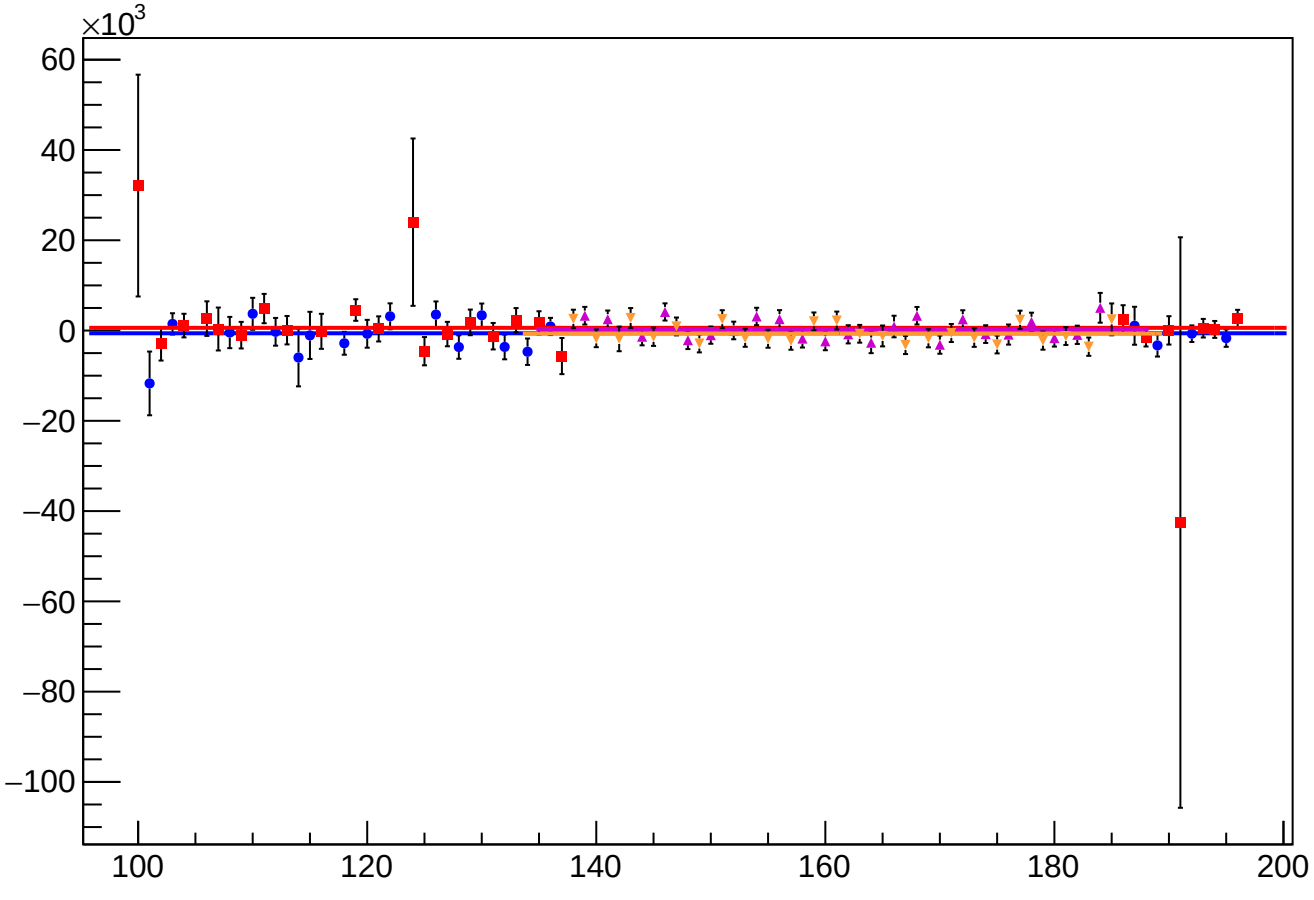
Right Out: 0.000+/-0.000 χ^2/NDF: 2646196.7/25

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11880064.6/44

All: 0.000+/-0.000 χ^2/NDF: 23977644.2/93

- sign 0.000+/-0.000 χ^2/NDF: 12095443.5/48



Right In: -607.441+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 599.303+/-568.878 χ^2/NDF: 19.1/25

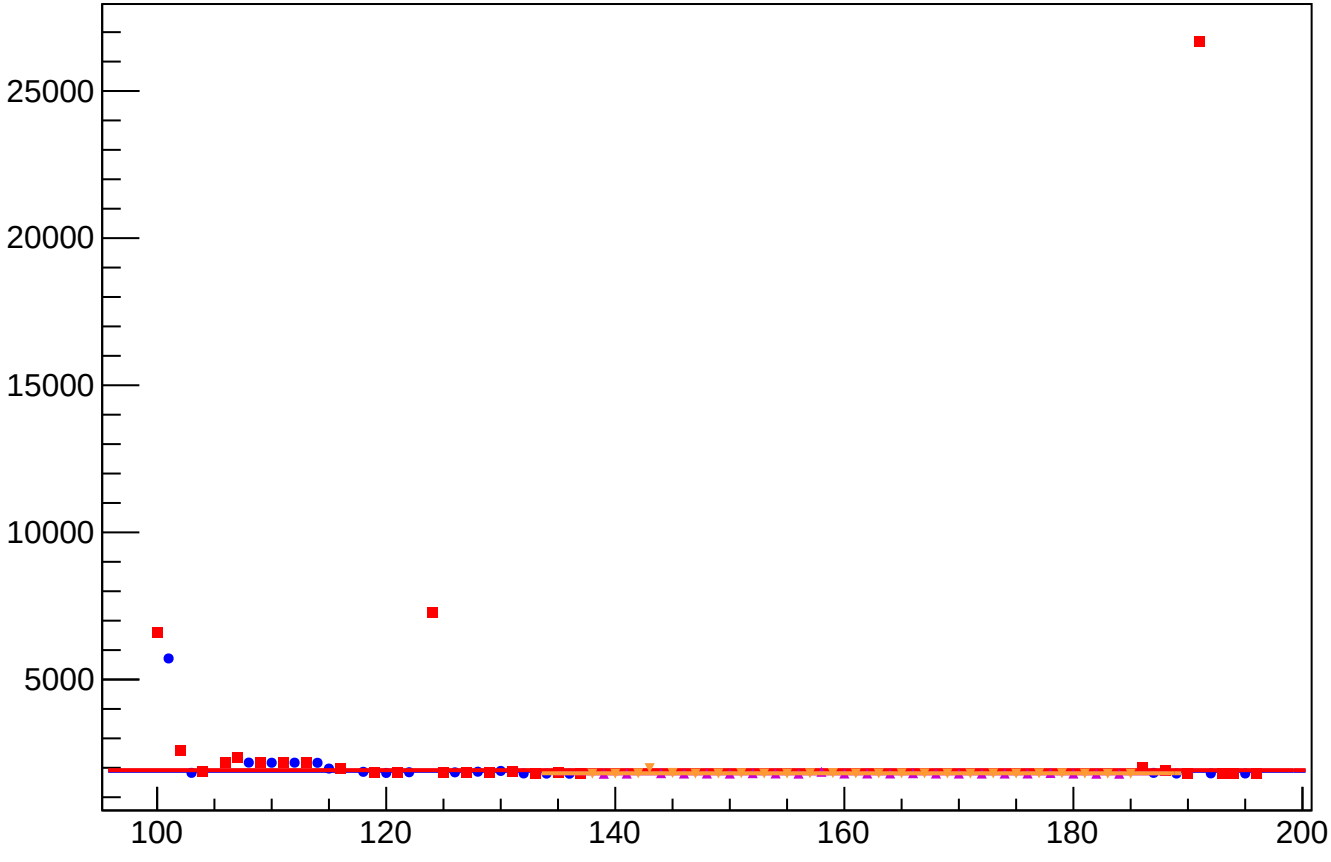
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -650.680+/-342.582 χ^2/NDF: 43.9/44

All: -103.043+/-241.072 χ^2/NDF: 98.2/93

\- sign 434.139+/-339.296 χ^2/NDF: 49.3/48

reg_asym_at1_dd_rms vs Slug



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.2/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1919.899+/-0.402 χ^2/NDF: 722405.2/25

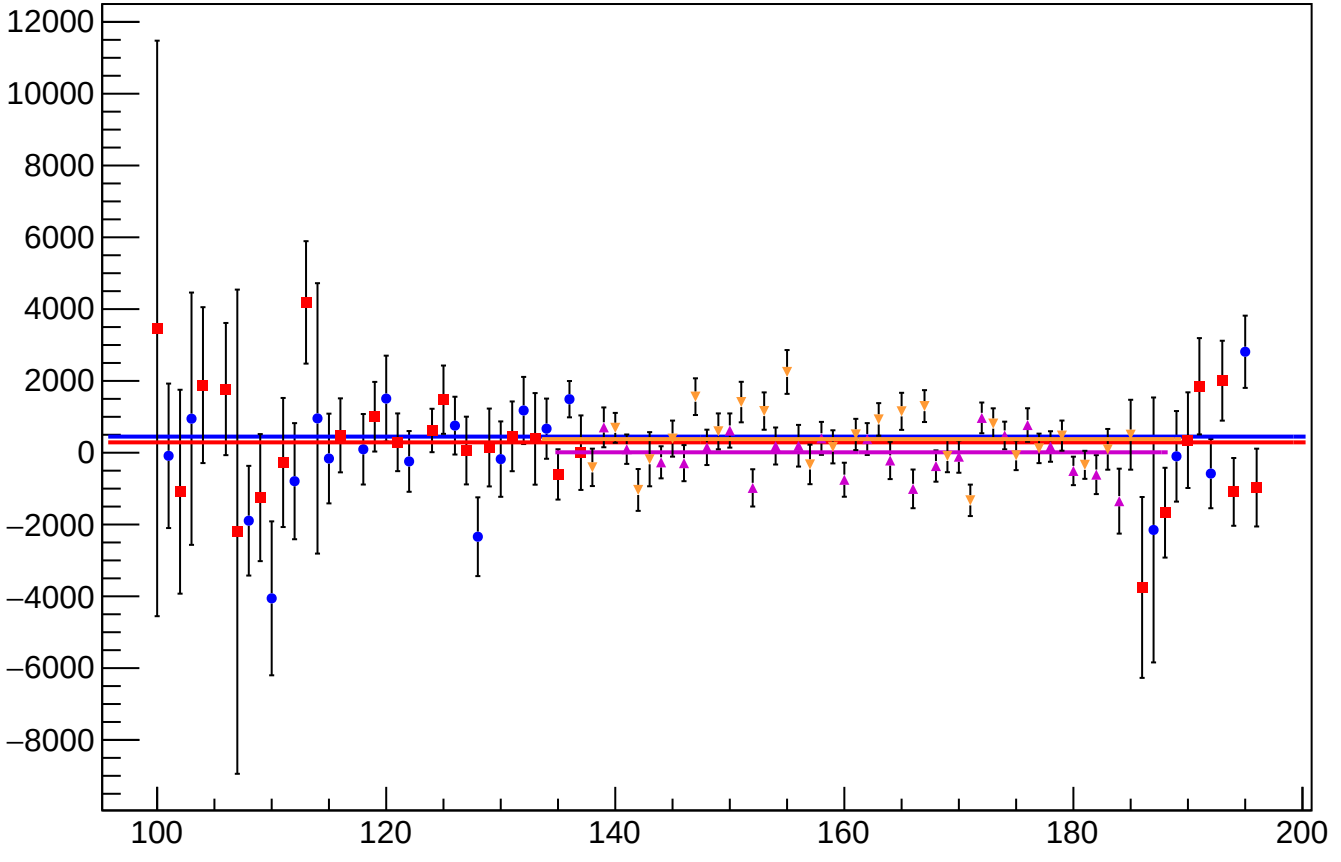
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.4/44

All: 1844.721+/-0.170 χ^2/NDF: 1467937.5/93

- sign 1849.389+/-0.240 χ^2/NDF: 772062.7/48

asym_at1_dd_reg_correction_mean vs Slug



Right In: 448.803+/-237.553 χ^2/NDF: 28.5/19

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 288.276+/-221.716 χ^2/NDF: 24.3/25

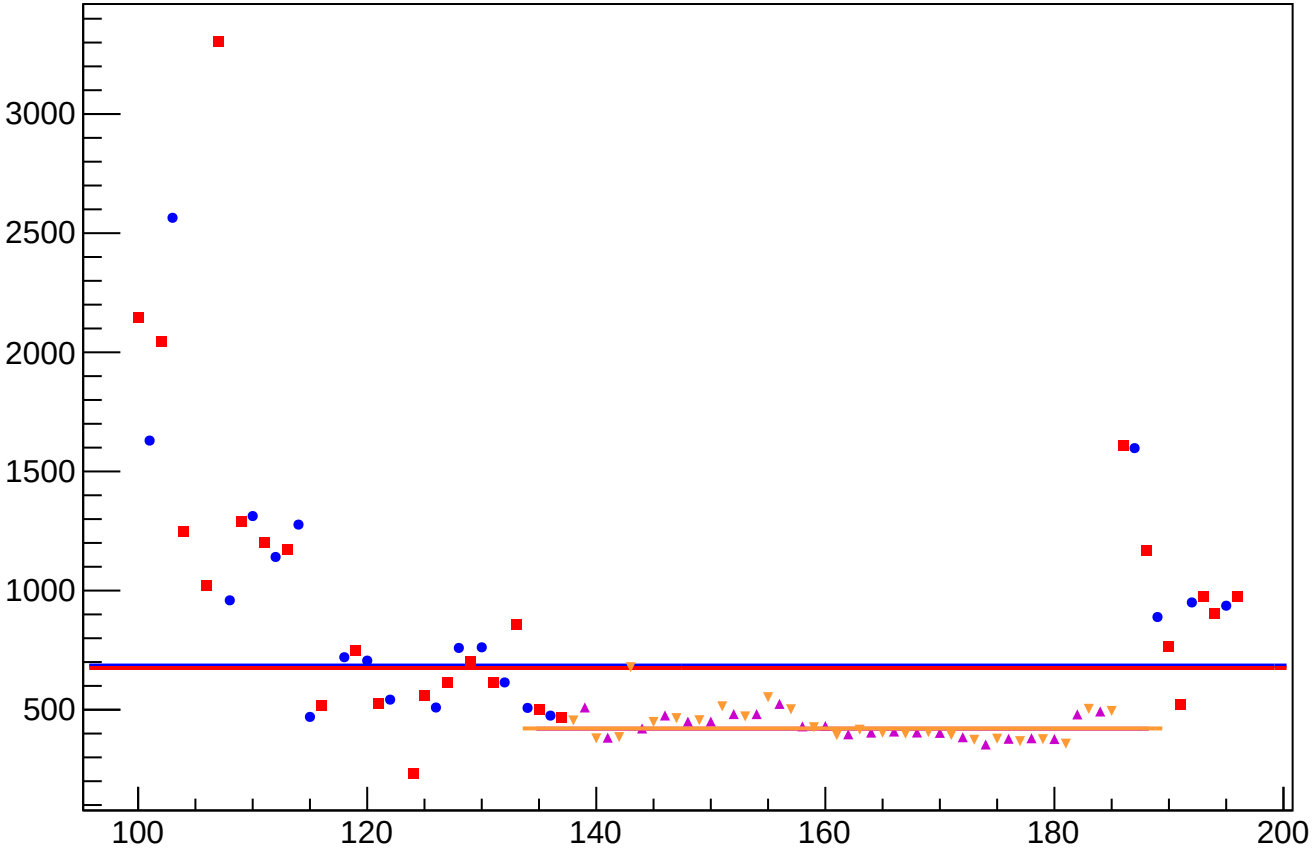
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 389.280+/-89.812 χ^2/NDF: 90.9/44

All: 224.441+/-63.706 χ^2/NDF: 154.4/93

- sign 57.514+/-90.379 χ^2/NDF: 56.7/48

asym_at1_dd_reg_correction_rms vs Slug



Right In: 685.357+/-0.168 χ^2/NDF: 2587582.4/19

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

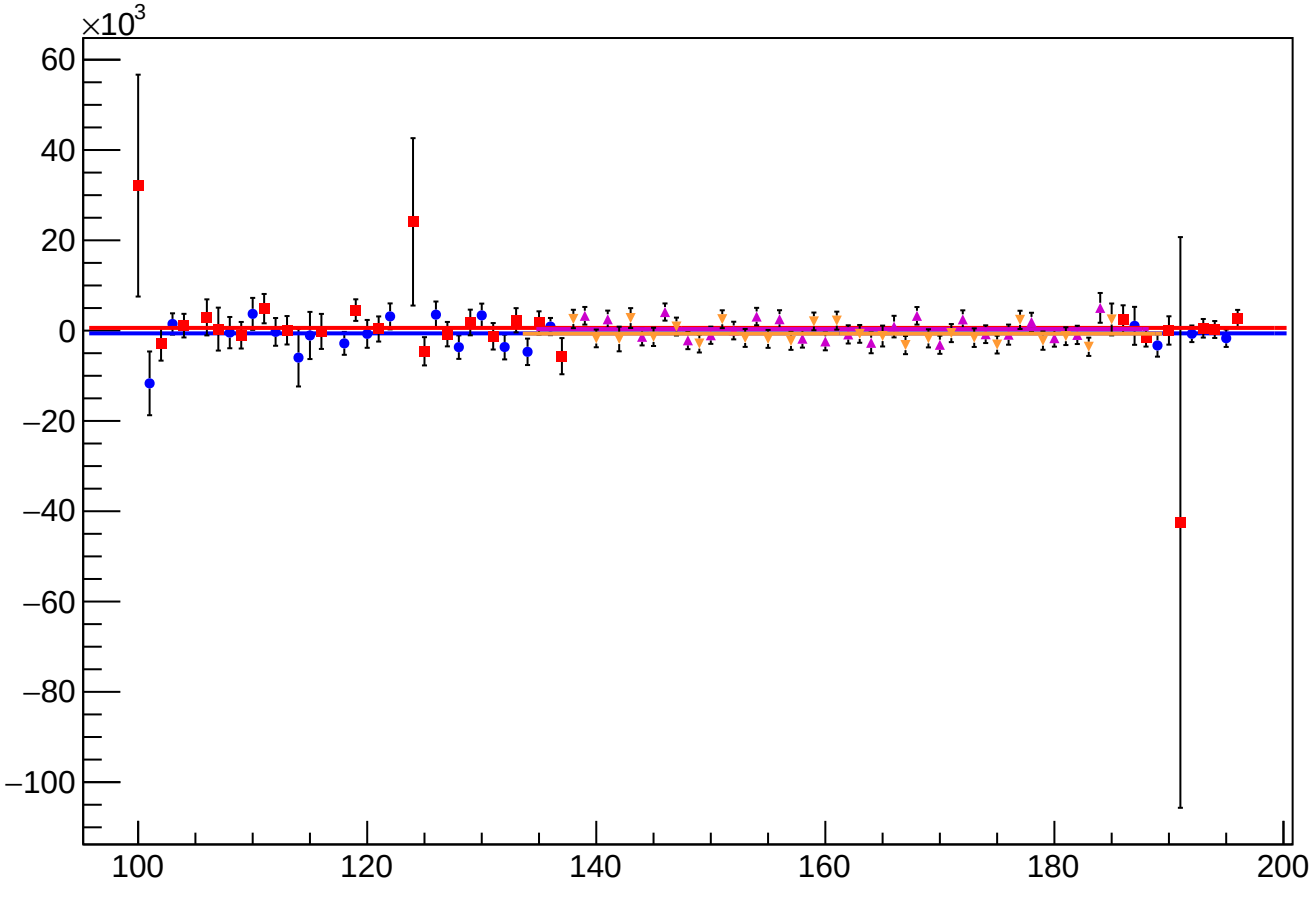
Right Out: 675.134+/-0.157 χ^2/NDF: 4157555.3/25

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 459.144+/-0.064 χ^2/NDF: 5446713.0/44

All: 460.851+/-0.045 χ^2/NDF: 12223272.5/93

- sign 462.580+/-0.064 χ^2/NDF: 6775104.8/48



Right In: -606.921+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.042+/-569.374 χ^2/NDF: 19.2/25

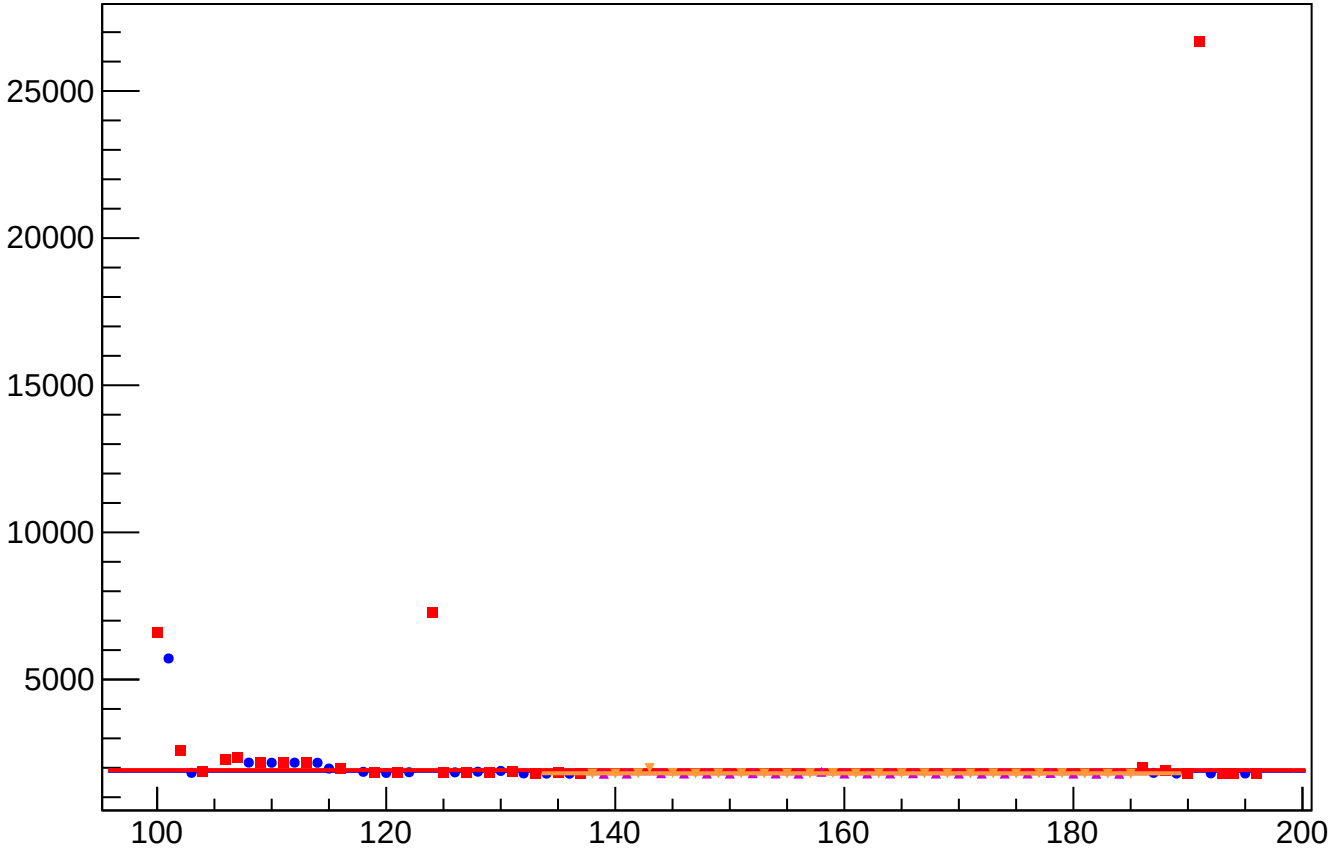
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -650.512+/-342.582 χ^2/NDF: 43.9/44

All: -102.674+/-241.110 χ^2/NDF: 98.3/93

- sign 435.038+/-339.401 χ^2/NDF: 49.4/48

cor_asym_at1_dd_rms vs Slug



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.1/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1921.100+/-0.403 χ^2/NDF: 727967.7/25

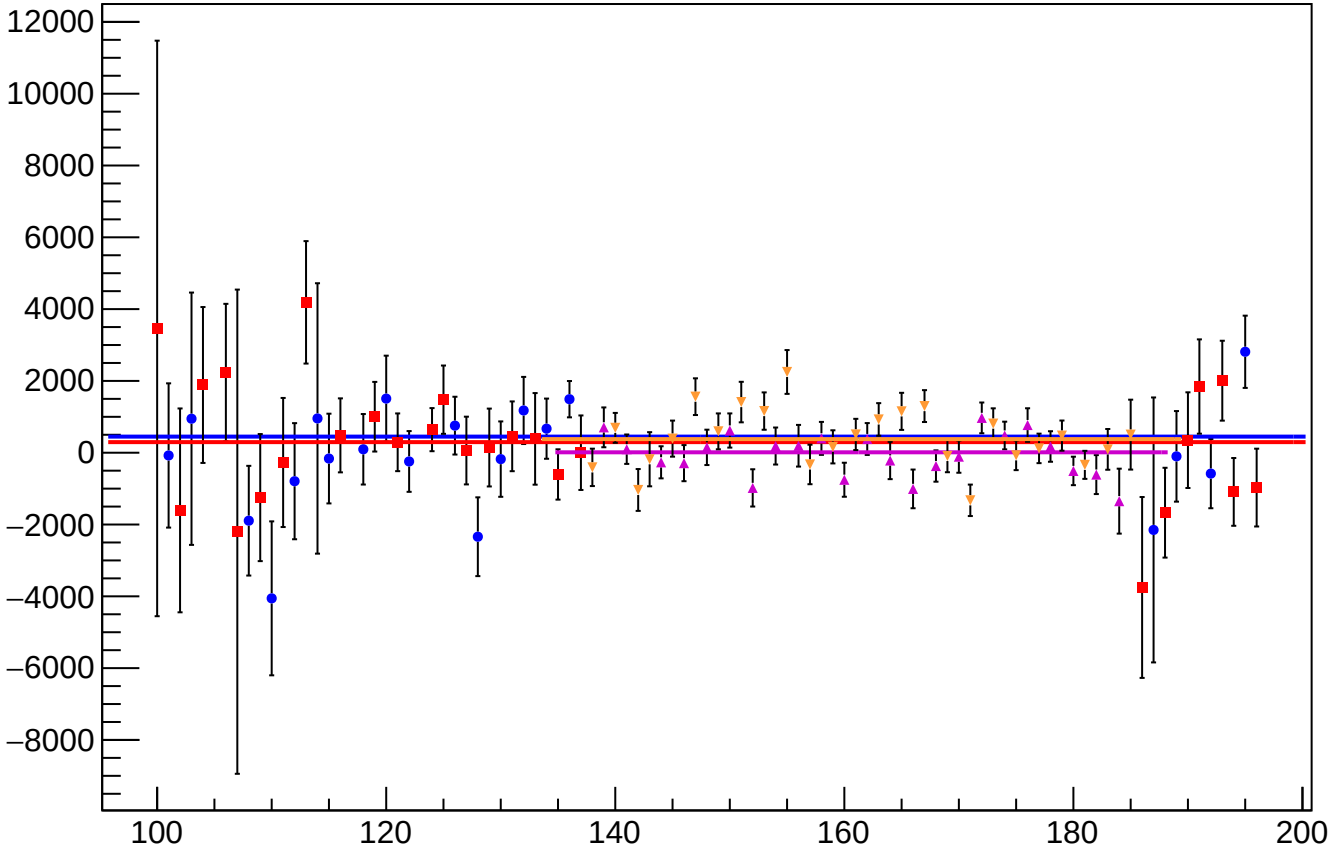
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.3/44

All: 1844.913+/-0.170 χ^2/NDF: 1474560.2/93

- sign 1849.772+/-0.240 χ^2/NDF: 778622.4/48

asym_at1_dd_cor_correction_mean vs Slug



Right In: 448.834+/-237.545 χ^2/NDF: 28.5/19

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 295.095+/-221.486 χ^2/NDF: 25.0/25

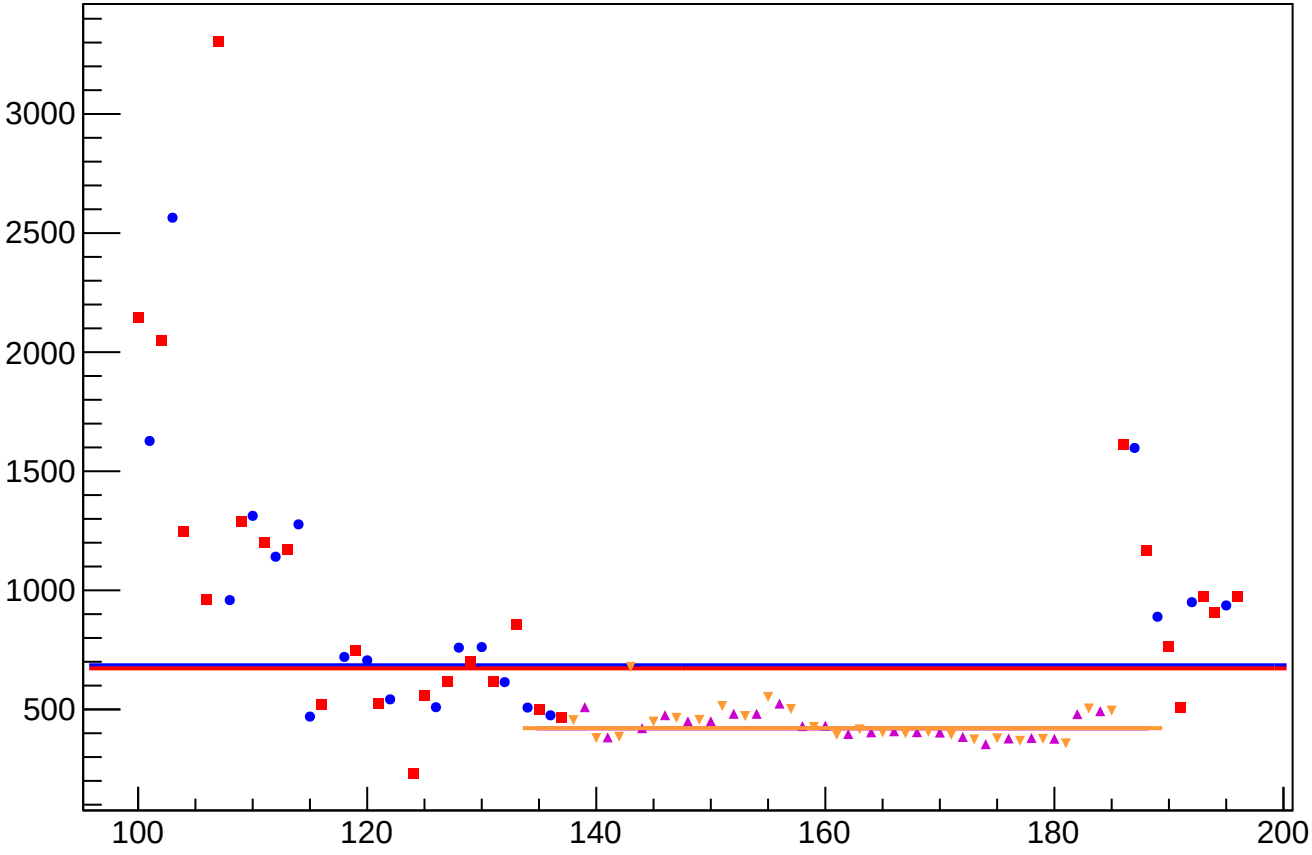
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 389.277+/-89.813 χ^2/NDF: 90.9/44

All: 225.018+/-63.701 χ^2/NDF: 155.1/93

- sign 58.738+/-90.363 χ^2/NDF: 57.5/48

asym_at1_dd_cor_correction_rms vs Slug



Right In: 685.353+/-0.168 χ^2/NDF: 2586743.2/19

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 672.341+/-0.157 χ^2/NDF: 4163765.2/25

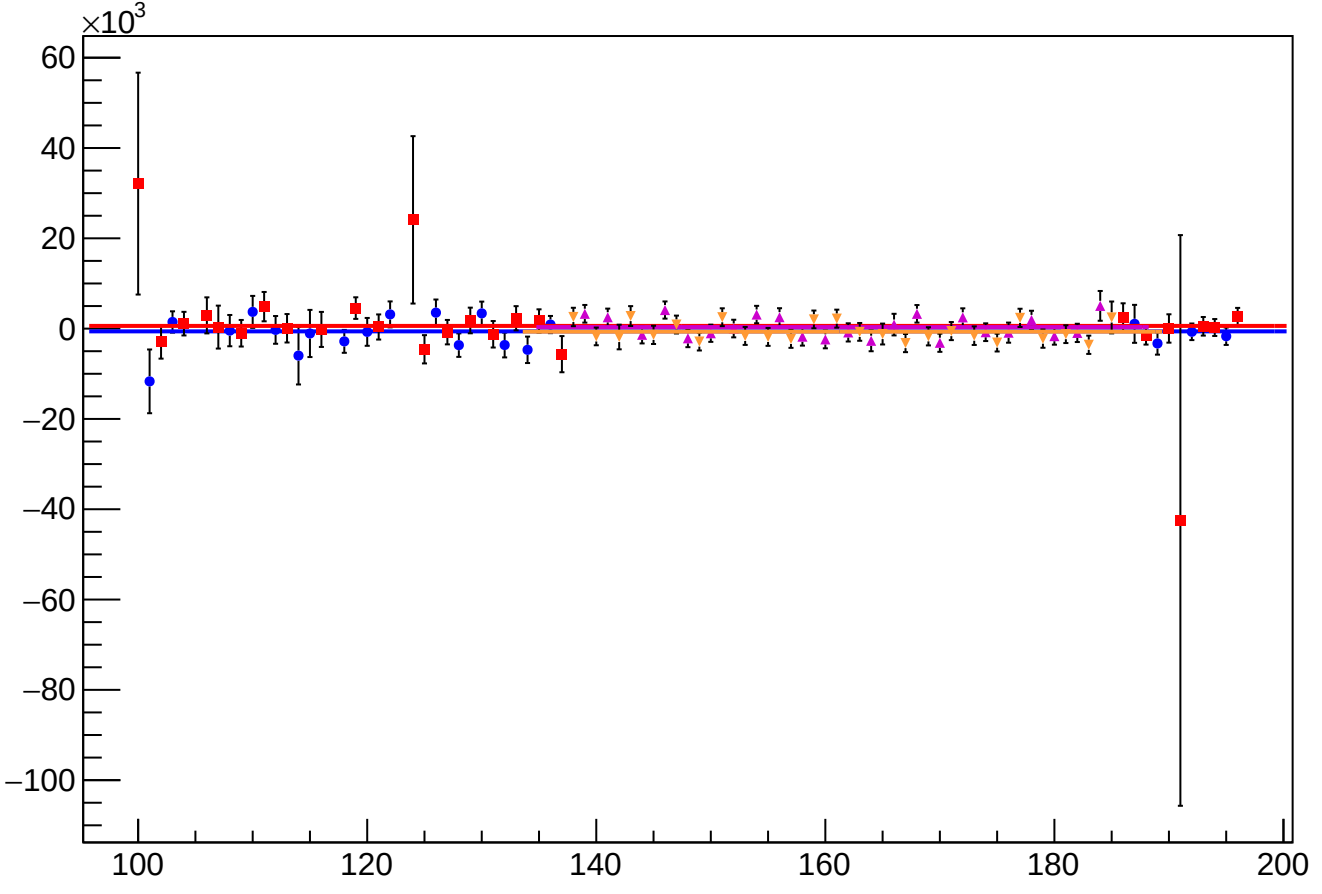
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 459.149+/-0.064 χ^2/NDF: 5445812.0/44

All: 460.657+/-0.045 χ^2/NDF: 12184071.4/93

- sign 462.185+/-0.064 χ^2/NDF: 6737123.7/48

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -606.921+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.042+/-569.374 χ^2/NDF: 19.2/25

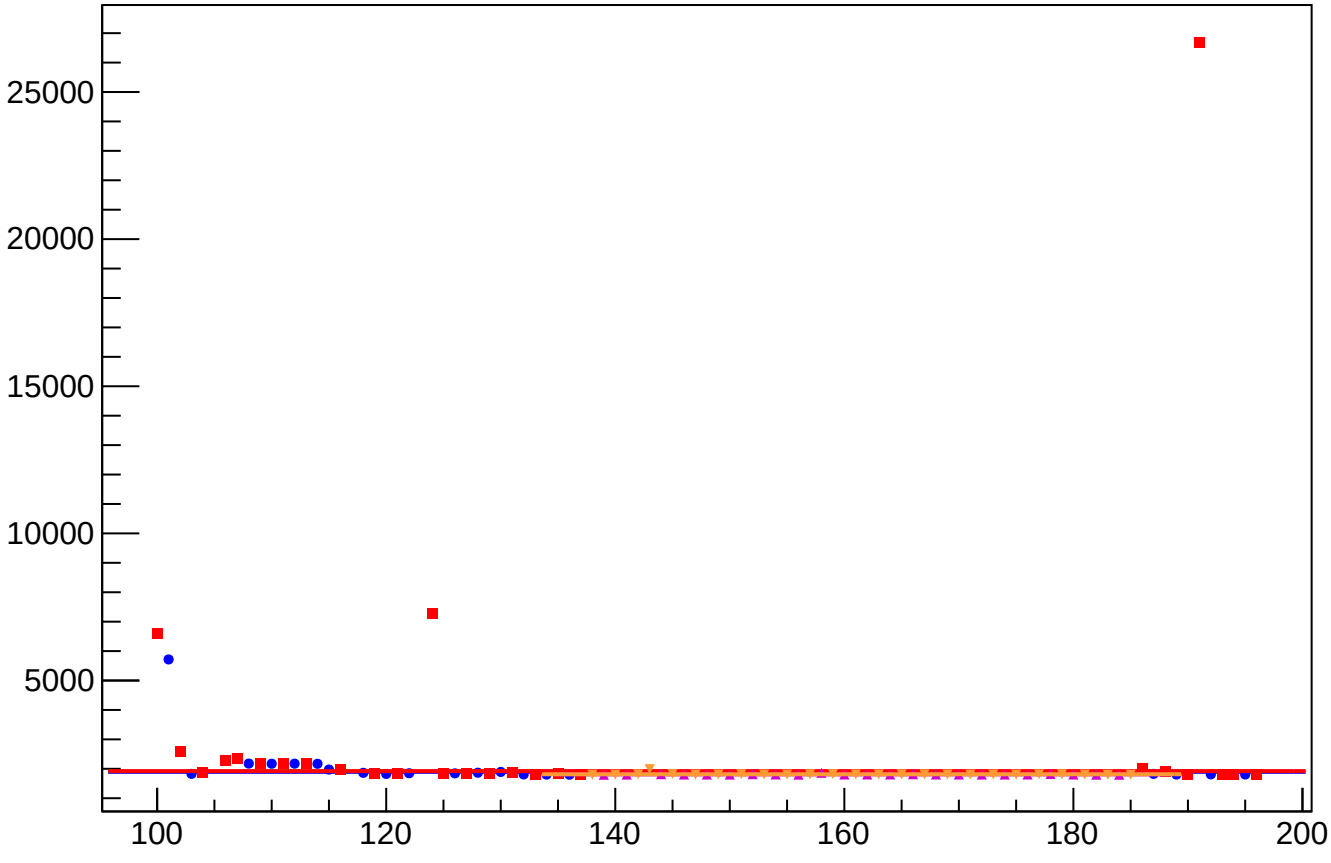
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -650.512+/-342.582 χ^2/NDF: 43.9/44

All: -102.674+/-241.110 χ^2/NDF: 98.3/93

- sign 435.038+/-339.401 χ^2/NDF: 49.4/48

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.1/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1921.100+/-0.403 χ^2/NDF: 727967.7/25

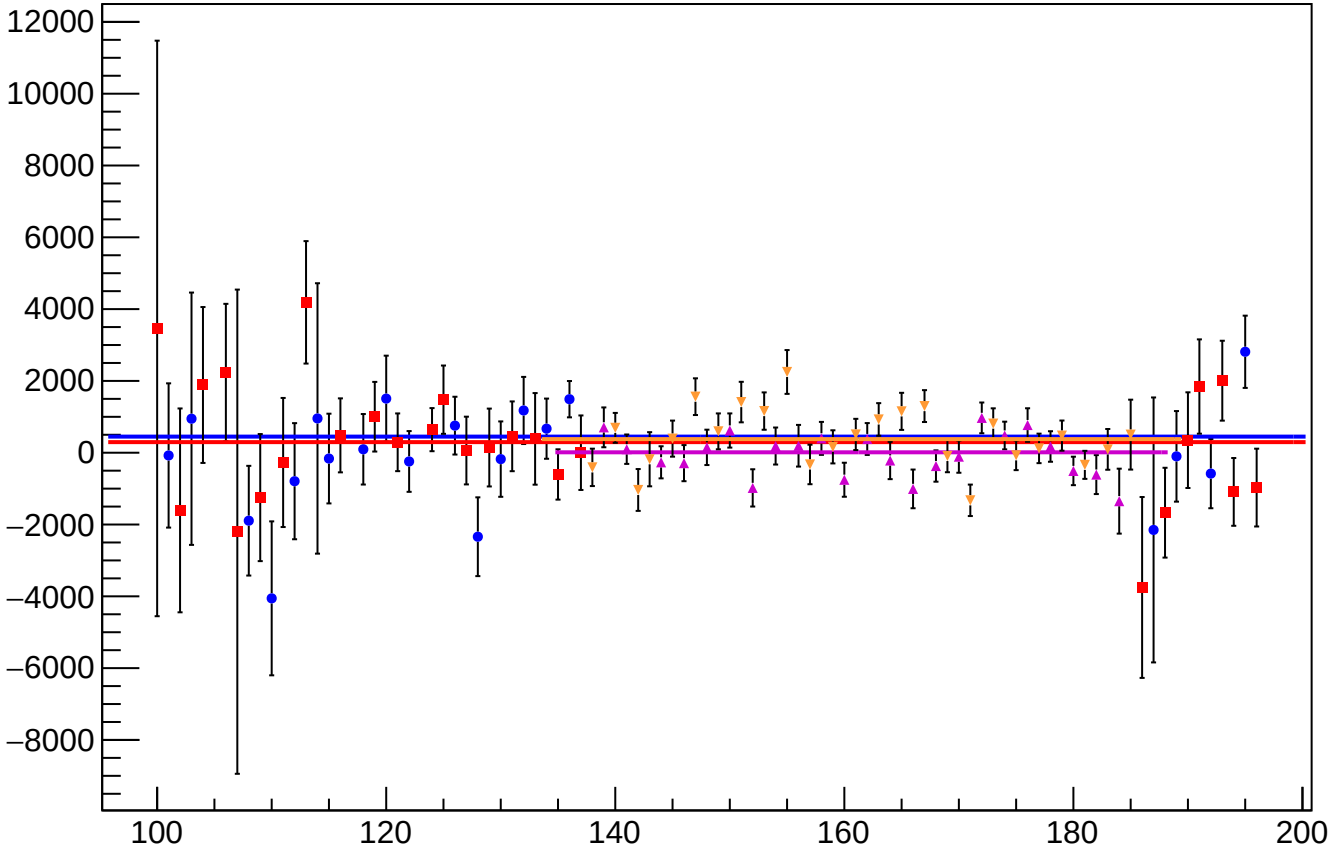
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.3/44

All: 1844.913+/-0.170 χ^2/NDF: 1474560.2/93

- sign 1849.772+/-0.240 χ^2/NDF: 778622.4/48

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 448.834+/-237.545 χ^2/NDF: 28.5/19

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 295.095+/-221.486 χ^2/NDF: 25.0/25

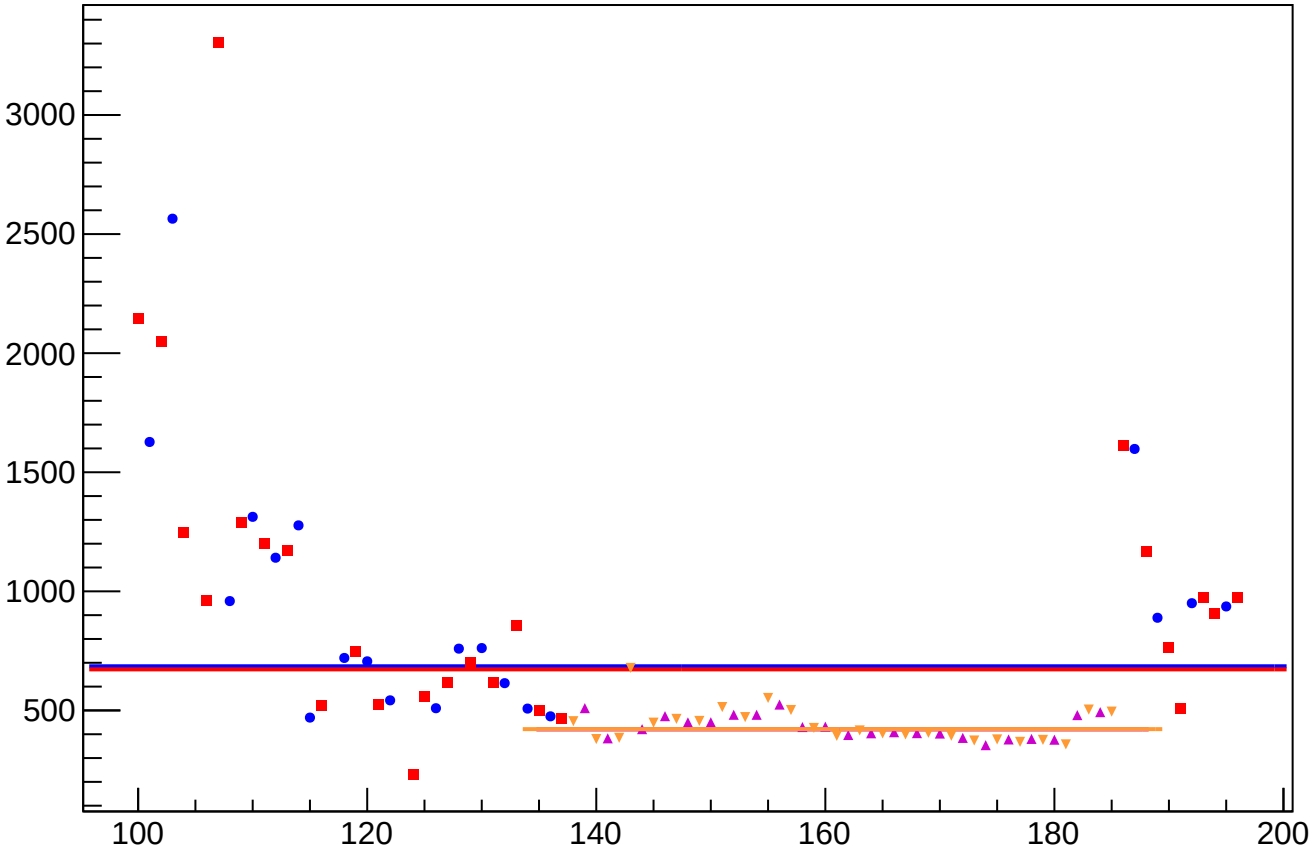
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 389.277+/-89.813 χ^2/NDF: 90.9/44

All: 225.018+/-63.701 χ^2/NDF: 155.1/93

- sign 58.738+/-90.363 χ^2/NDF: 57.5/48

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 685.353+/-0.168 χ^2/NDF: 2586743.2/19

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 672.341+/-0.157 χ^2/NDF: 4163765.2/25

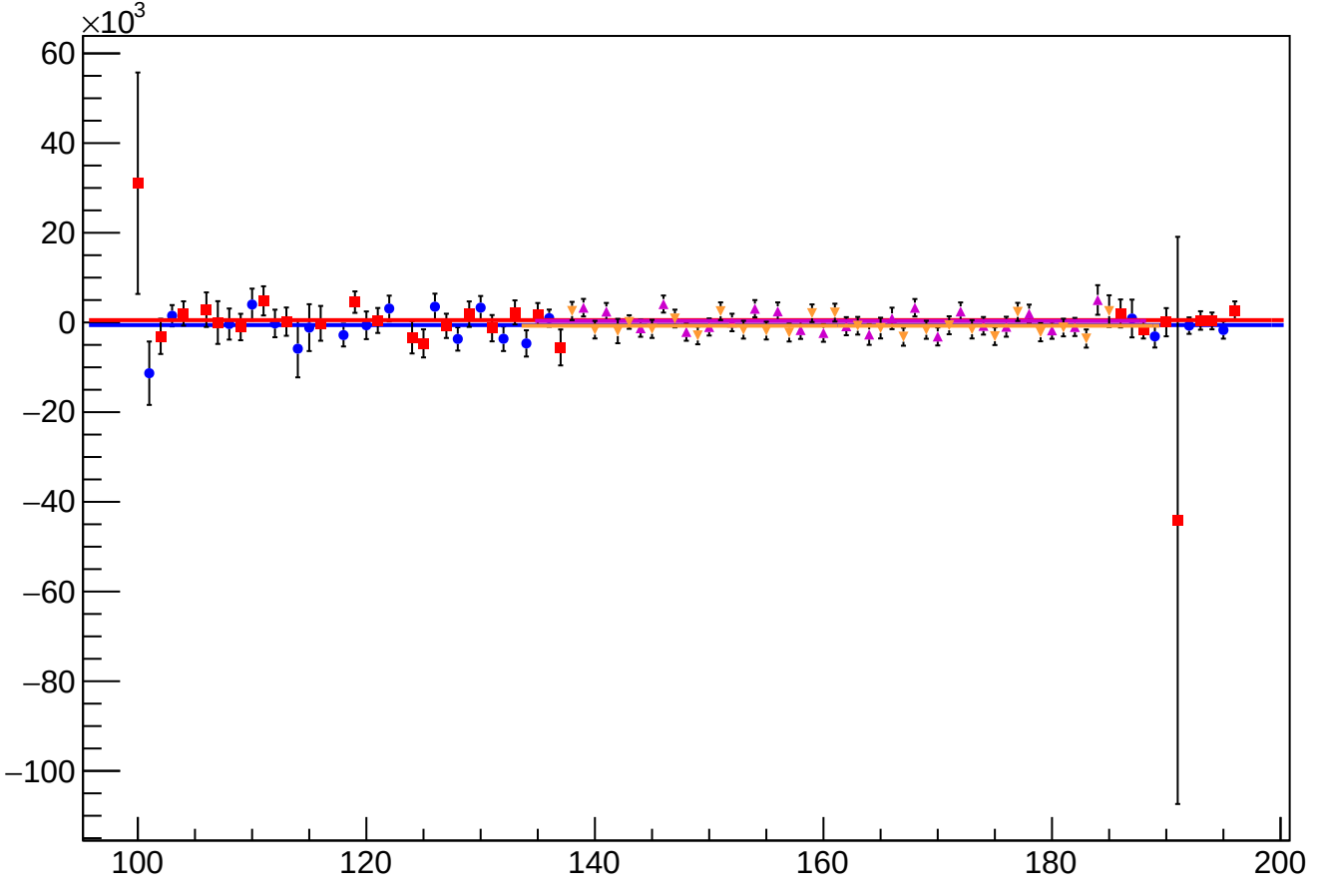
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 459.149+/-0.064 χ^2/NDF: 5445812.0/44

All: 460.657+/-0.045 χ^2/NDF: 12184071.4/93

- sign 462.185+/-0.064 χ^2/NDF: 6737123.7/48

dit_asym_at1_dd_mean vs Slug



Right In: -578.586+/-616.682 χ^2/NDF: 18.8/19

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 522.676+/-564.234 χ^2/NDF: 18.8/25

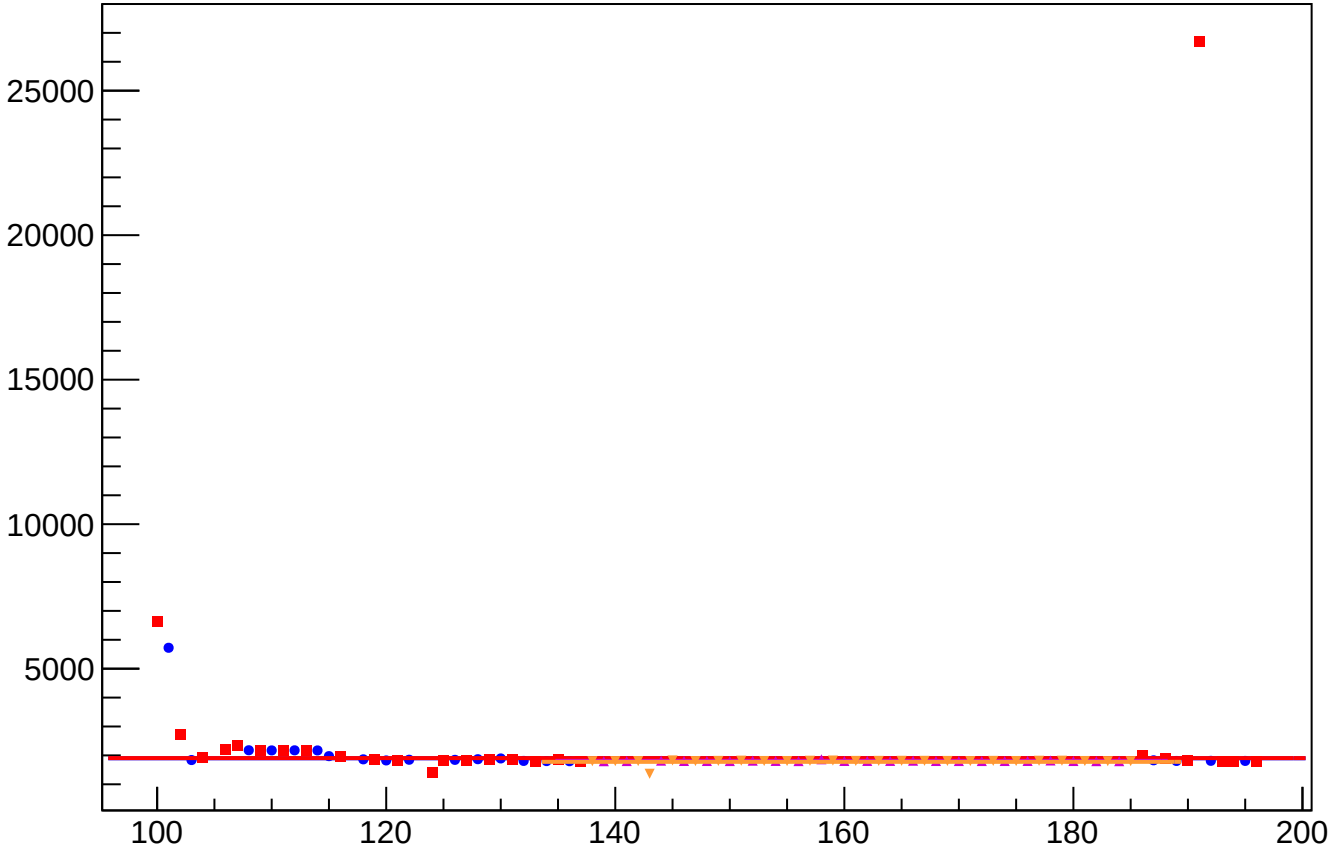
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -680.638+/-338.183 χ^2/NDF: 41.1/44

All: -137.391+/-239.200 χ^2/NDF: 94.7/93

- sign 406.483+/-338.378 χ^2/NDF: 48.5/48

dit_asym_at1_dd_rms vs Slug



Right In: 1898.845+/-0.436 χ^2/NDF: 656956.5/19

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1906.678+/-0.399 χ^2/NDF: 611836.3/25

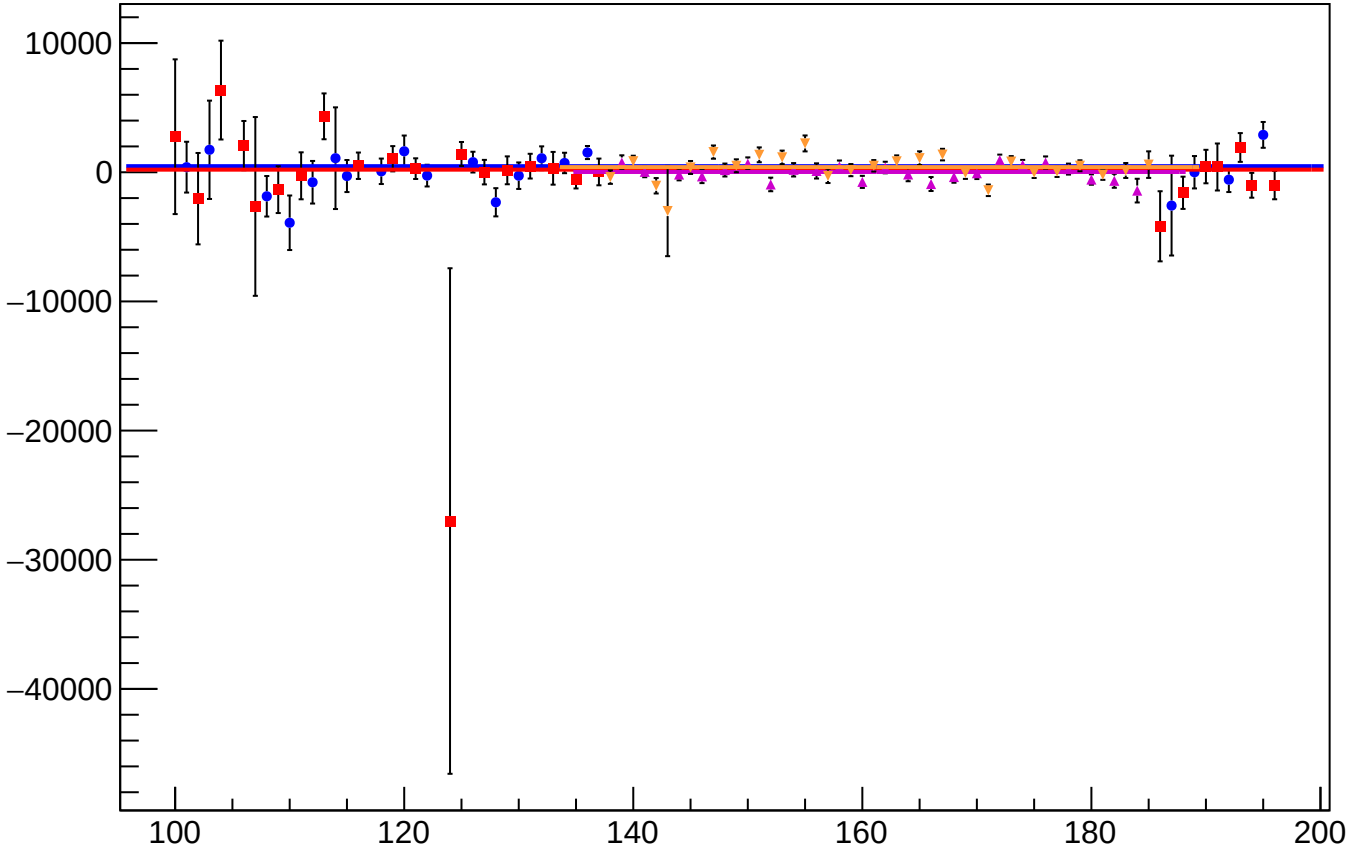
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.448+/-0.239 χ^2/NDF: 873097.9/44

All: 1829.447+/-0.169 χ^2/NDF: 1532618.7/93

- sign 1845.465+/-0.239 χ^2/NDF: 650562.9/48

asym_at1_dd_dit_correction_mean vs Slug



Right In: 472.006+/-235.928 χ^2/NDF: 29.3/19

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 200.846+/-241.163 χ^2/NDF: 26.2/25

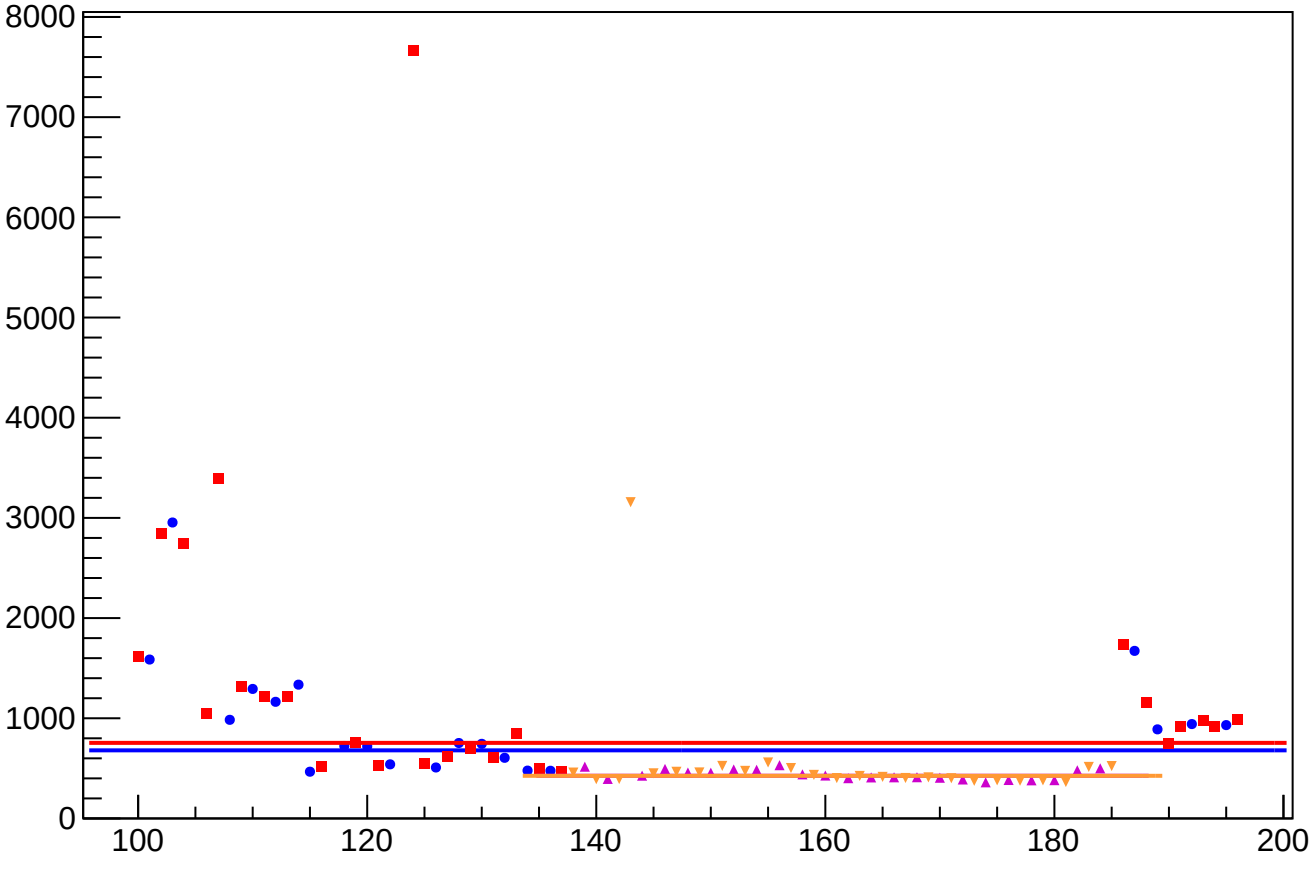
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 409.340+/-91.418 χ^2/NDF: 89.9/44

All: 230.901+/-65.050 χ^2/NDF: 155.2/93

- sign 47.891+/-92.582 χ^2/NDF: 57.5/48

asym_at1_dd_dit_correction_rms vs Slug



Right In: 679.822+/-0.167 χ^2/NDF: 2771761.2/19

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

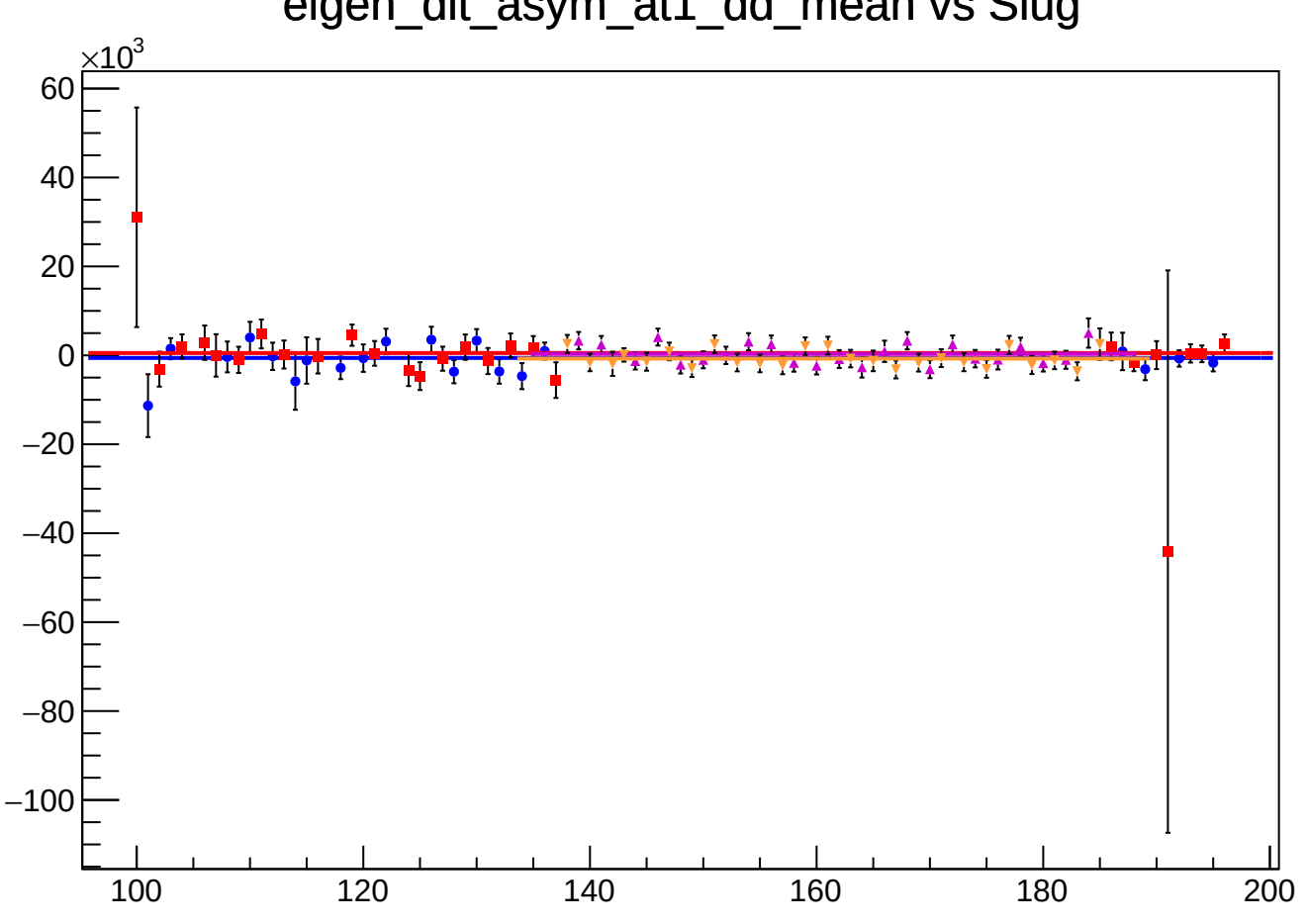
Right Out: 754.465+/-0.171 χ^2/NDF: 3943692.3/25

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 463.852+/-0.065 χ^2/NDF: 6461931.2/44

All: 469.124+/-0.046 χ^2/NDF: 13995059.4/93

- sign 474.531+/-0.065 χ^2/NDF: 7519653.8/48



Right In: -578.586+/-616.682 χ^2/NDF: 18.8/19

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 522.675+/-564.234 χ^2/NDF: 18.8/25

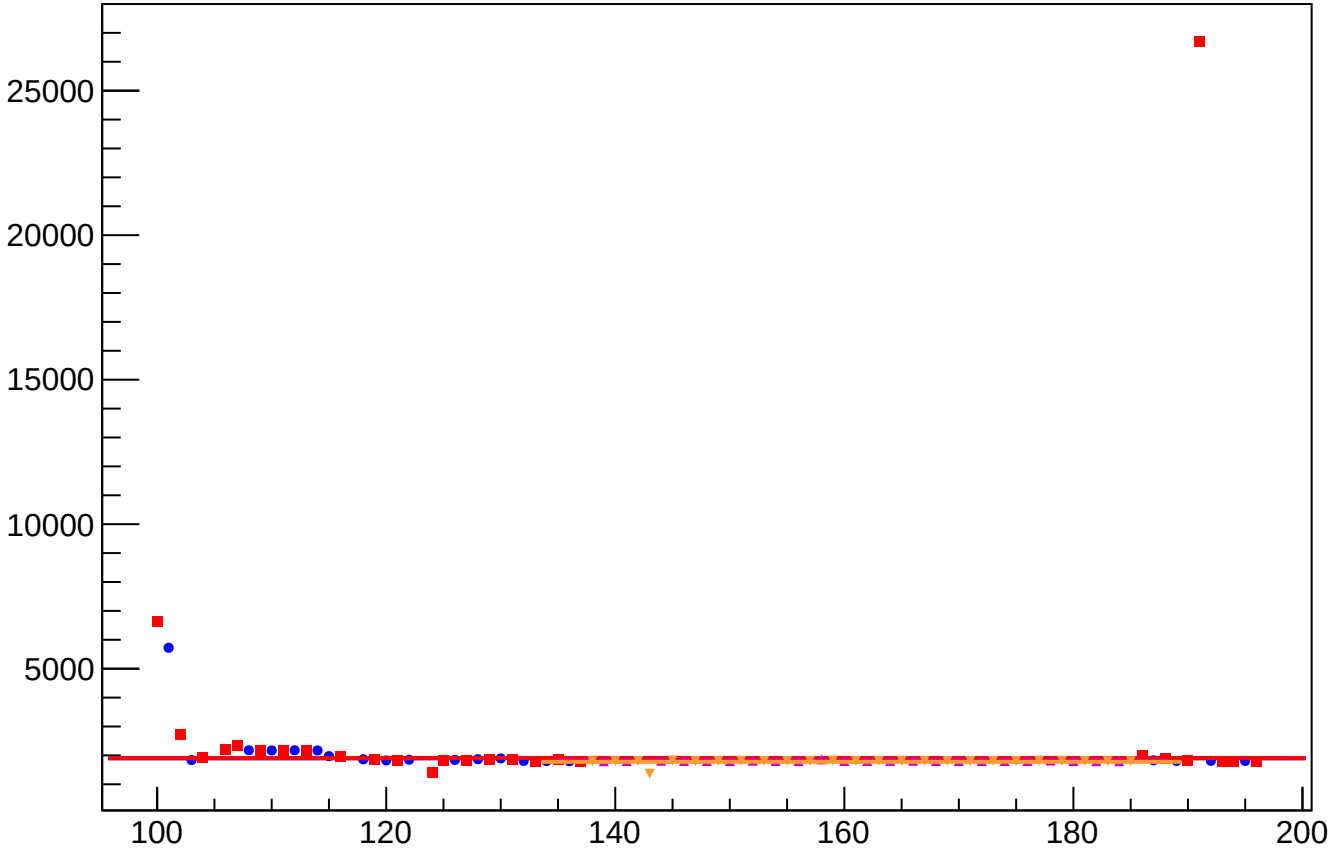
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -680.639+/-338.183 χ^2/NDF: 41.1/44

All: -137.391+/-239.200 χ^2/NDF: 94.7/93

- sign 406.483+/-338.378 χ^2/NDF: 48.5/48

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1898.845+/-0.436 χ^2/NDF: 656956.6/19

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

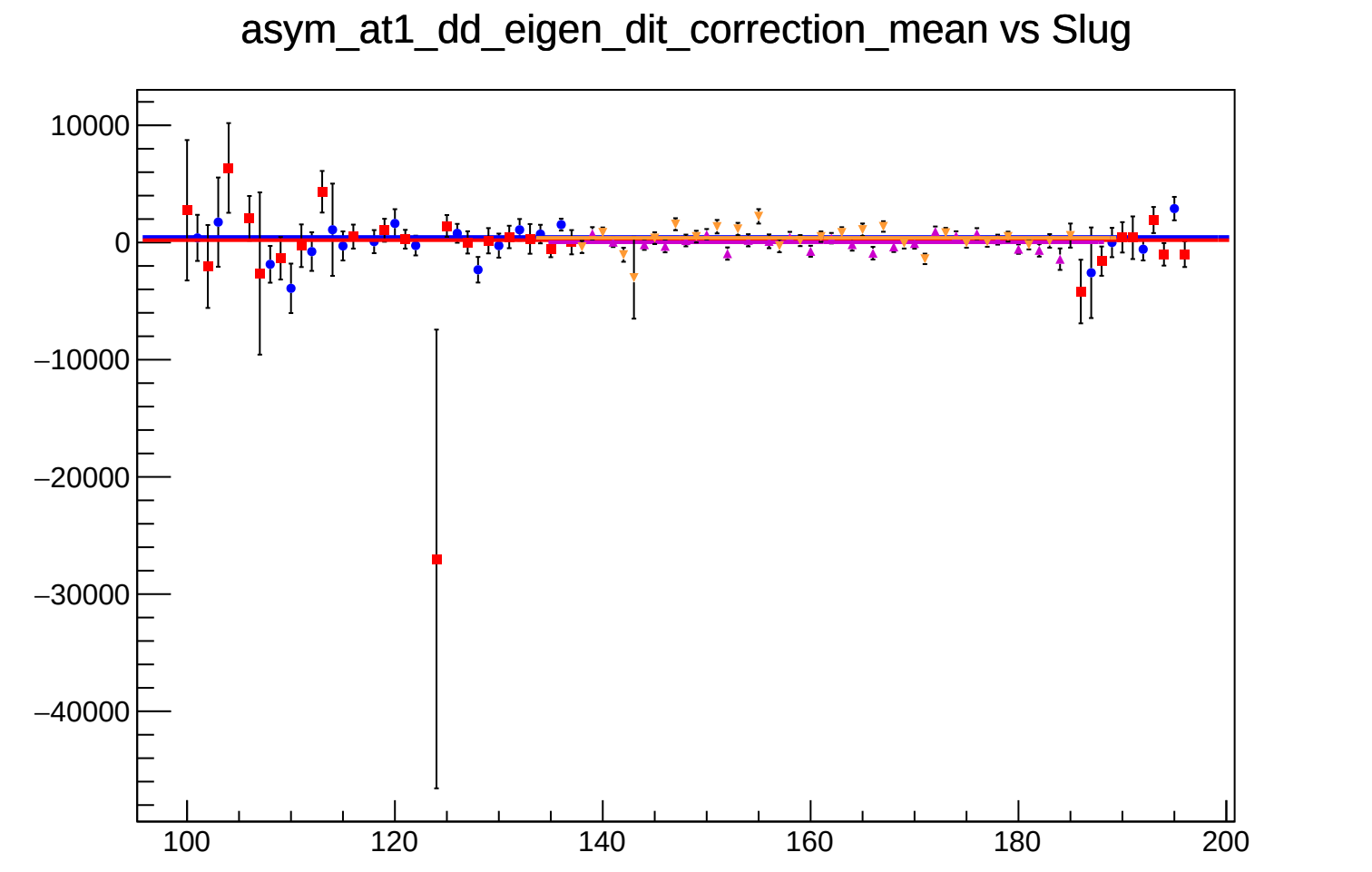
Right Out: 1906.678+/-0.399 χ^2/NDF: 611836.2/25

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

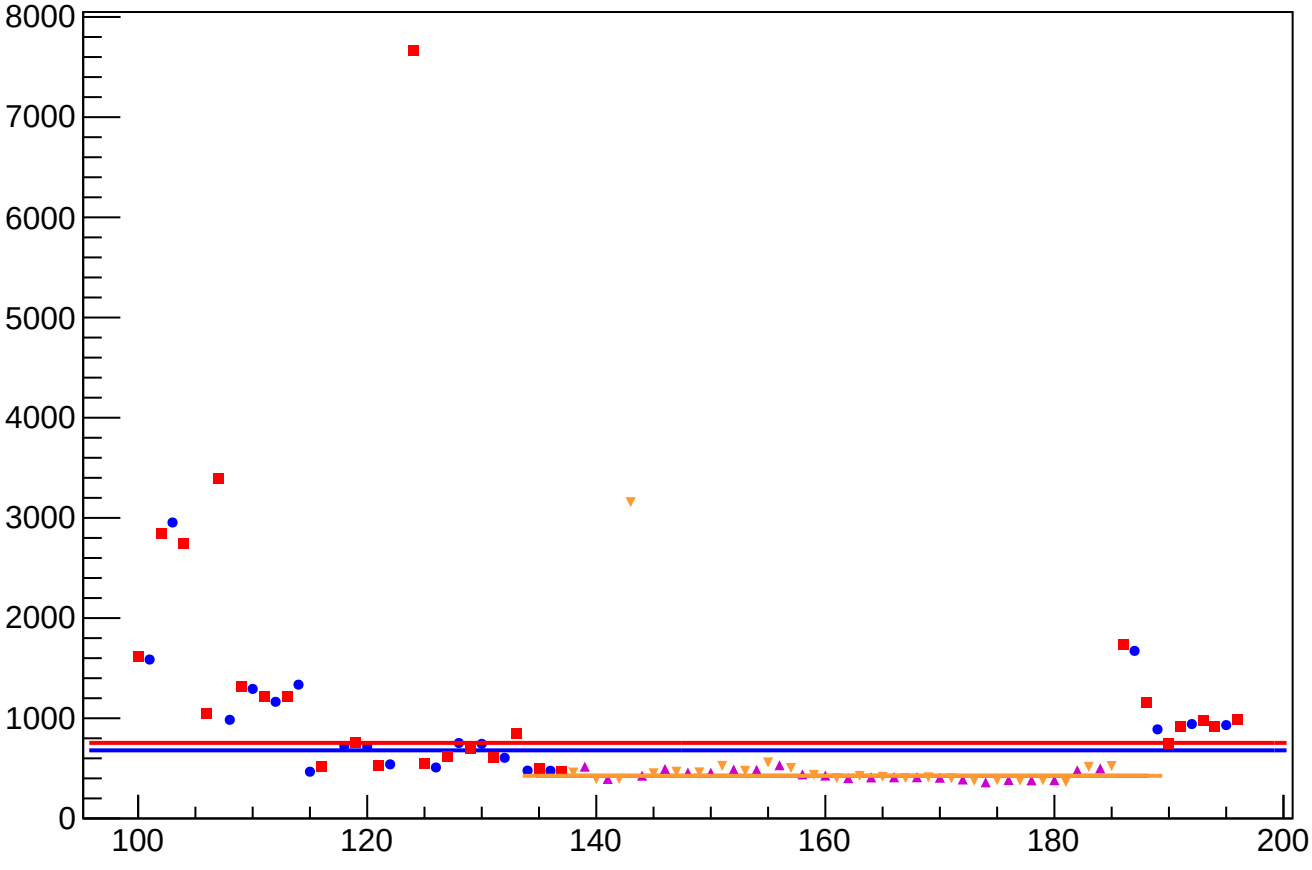
+ sign 1813.448+/-0.239 χ^2/NDF: 873097.9/44

All: 1829.447+/-0.169 χ^2/NDF: 1532618.5/93

- sign 1845.465+/-0.239 χ^2/NDF: 650562.7/48


asym_at1_dd_eigen_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 472.005+/-235.928 χ²/NDF: 29.3/19
Left Out: 398.268+/-99.165 χ²/NDF:60.5/24
Right Out: 200.846+/-241.163 χ²/NDF: 26.2/25
Left In: 21.452+/-100.264 χ²/NDF:30.8/22
+ sign 409.339+/-91.418 χ²/NDF: 89.9/44
All: 230.901+/-65.050 χ²/NDF: 155.2/93
- sign 47.891+/-92.581 χ²/NDF: 57.5/48

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 679.822+/-0.167 χ^2/NDF: 2771761.4/19

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 754.465+/-0.171 χ^2/NDF: 3943694.4/25

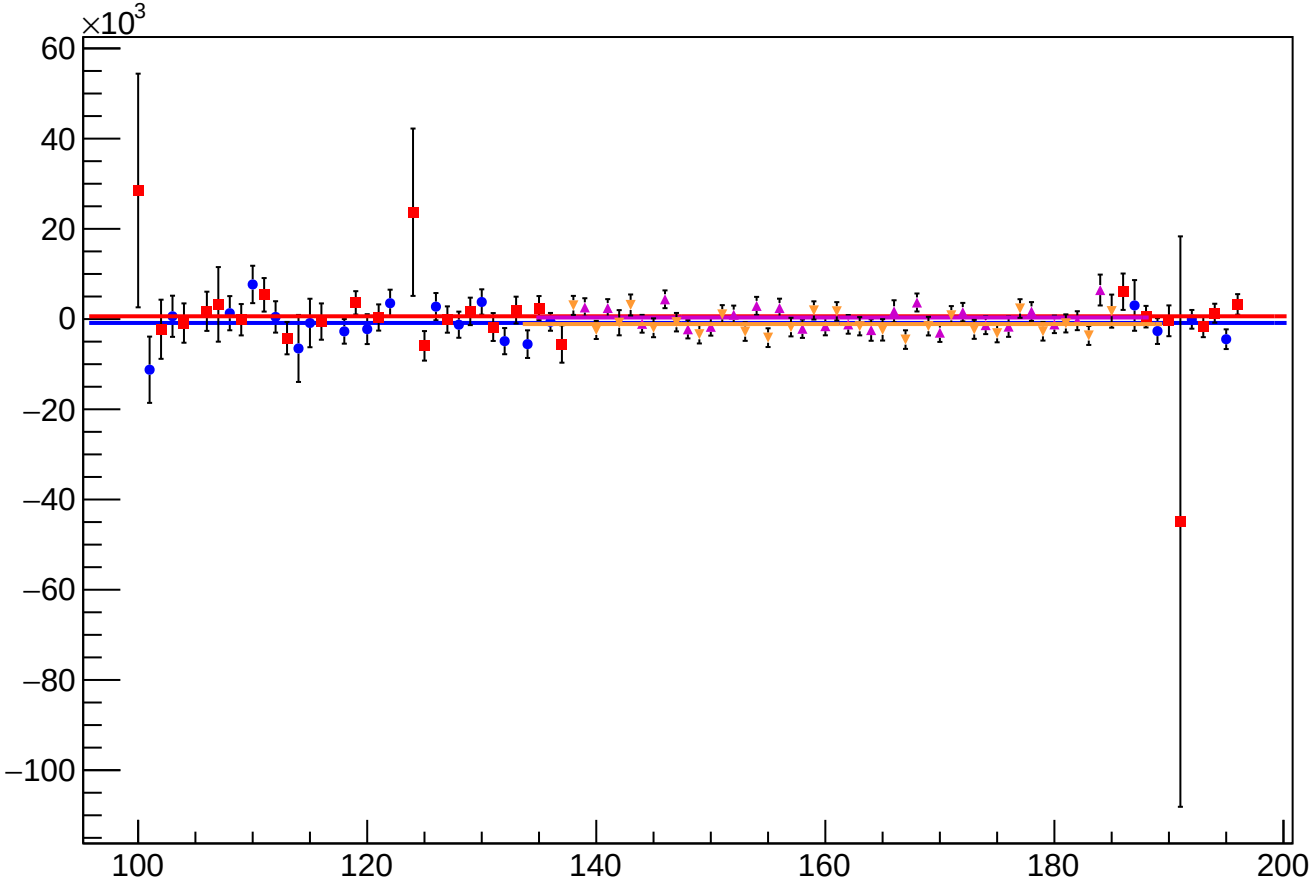
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 463.851+/-0.065 χ^2/NDF: 6461936.5/44

All: 469.123+/-0.046 χ^2/NDF: 13995071.5/93

- sign 474.531+/-0.065 χ^2/NDF: 7519660.5/48

asym_at1_dd_mean vs Slug



Right In: -859.363+/-690.145 χ^2/NDF: 22.4/19

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 618.034+/-649.589 χ^2/NDF: 20.6/25

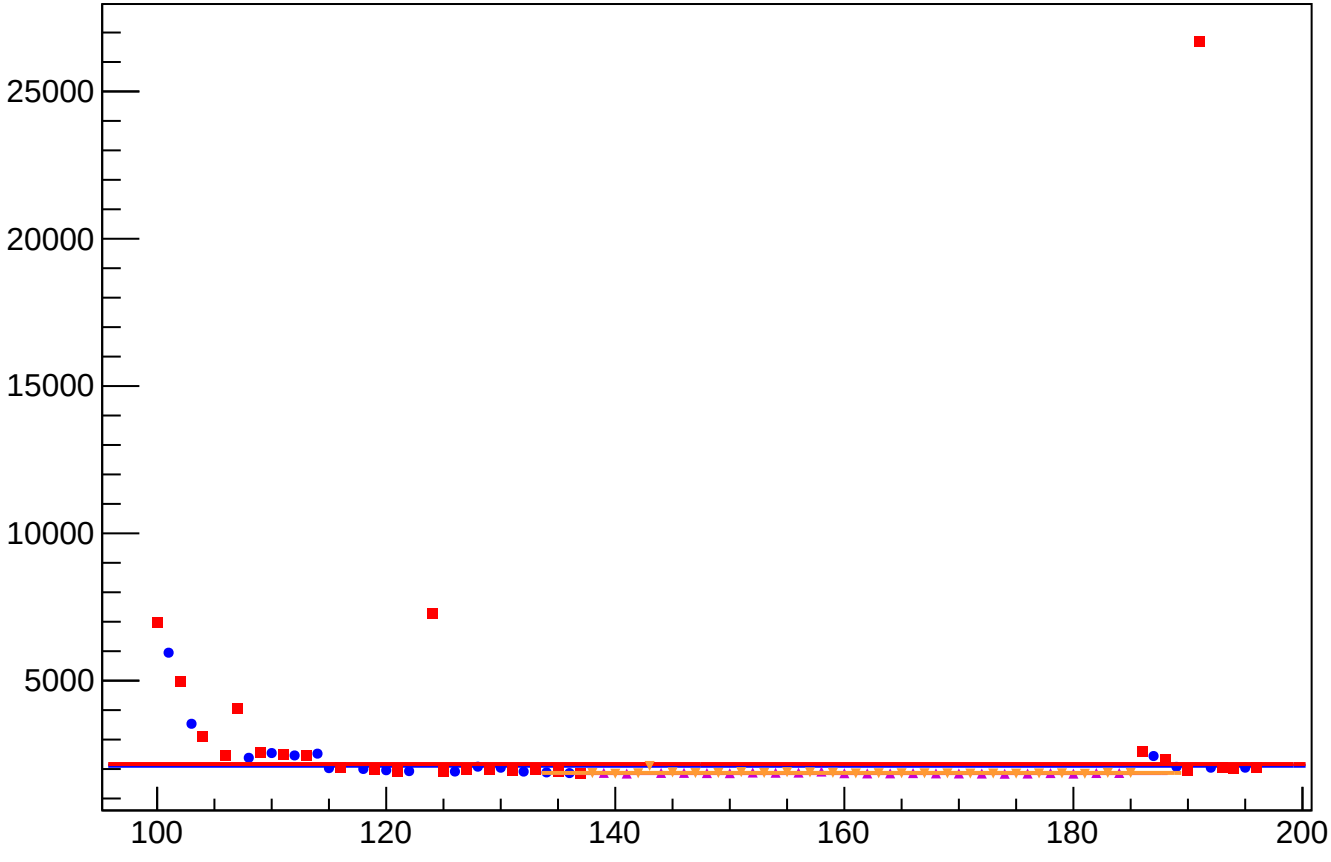
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -1038.116+/-361.668 χ^2/NDF: 50.5/44

All: -303.111+/-255.648 χ^2/NDF: 108.2/93

- sign 430.854+/-361.412 χ^2/NDF: 49.5/48

asym_at1_dd_rms vs Slug



Right In: 2111.700+/-0.488 χ^2/NDF: 886811.4/19

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2169.749+/-0.459 χ^2/NDF: 1305423.6/25

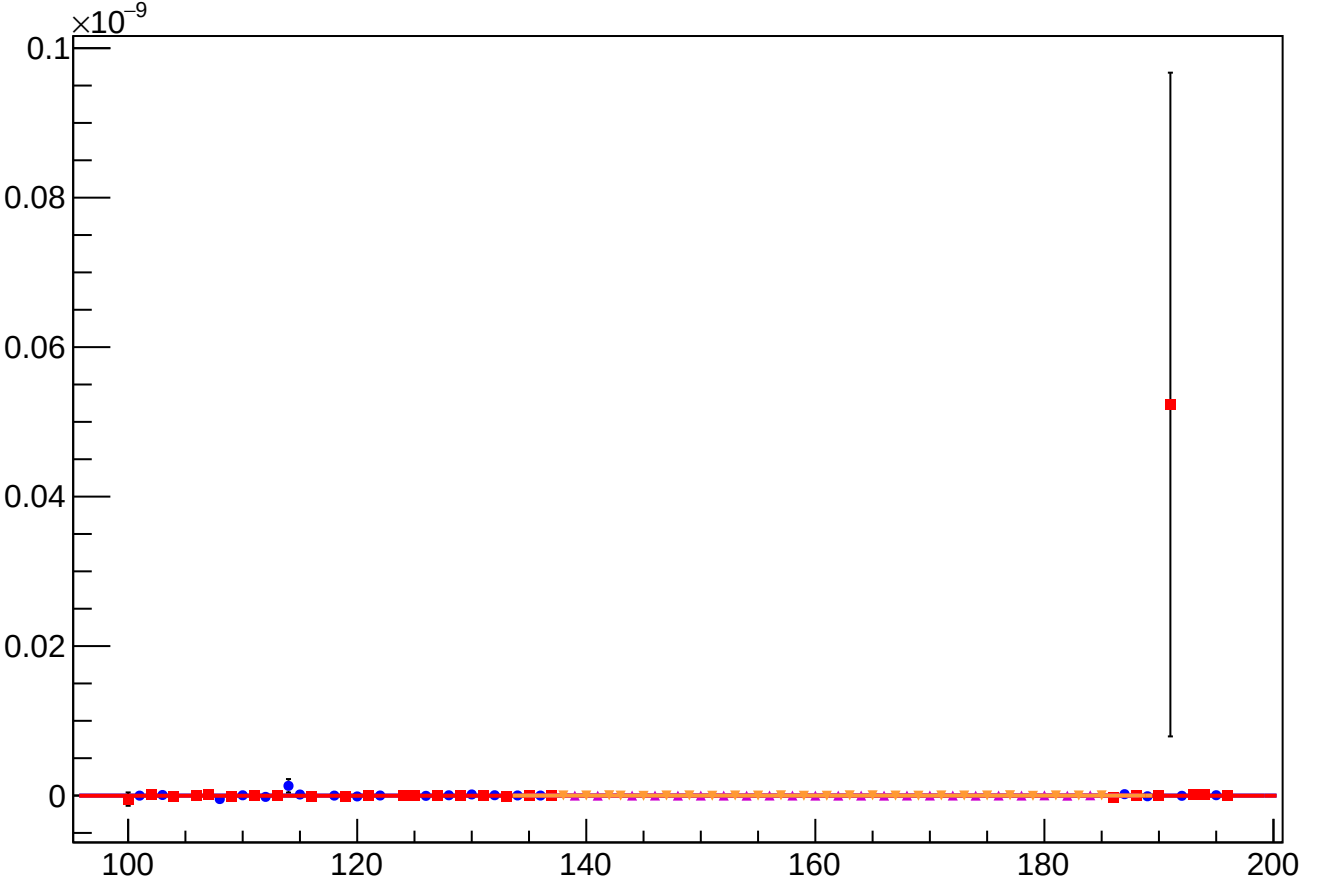
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1935.609+/-0.256 χ^2/NDF: 1089625.8/44

All: 1946.730+/-0.181 χ^2/NDF: 2709819.4/93

- 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: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/25

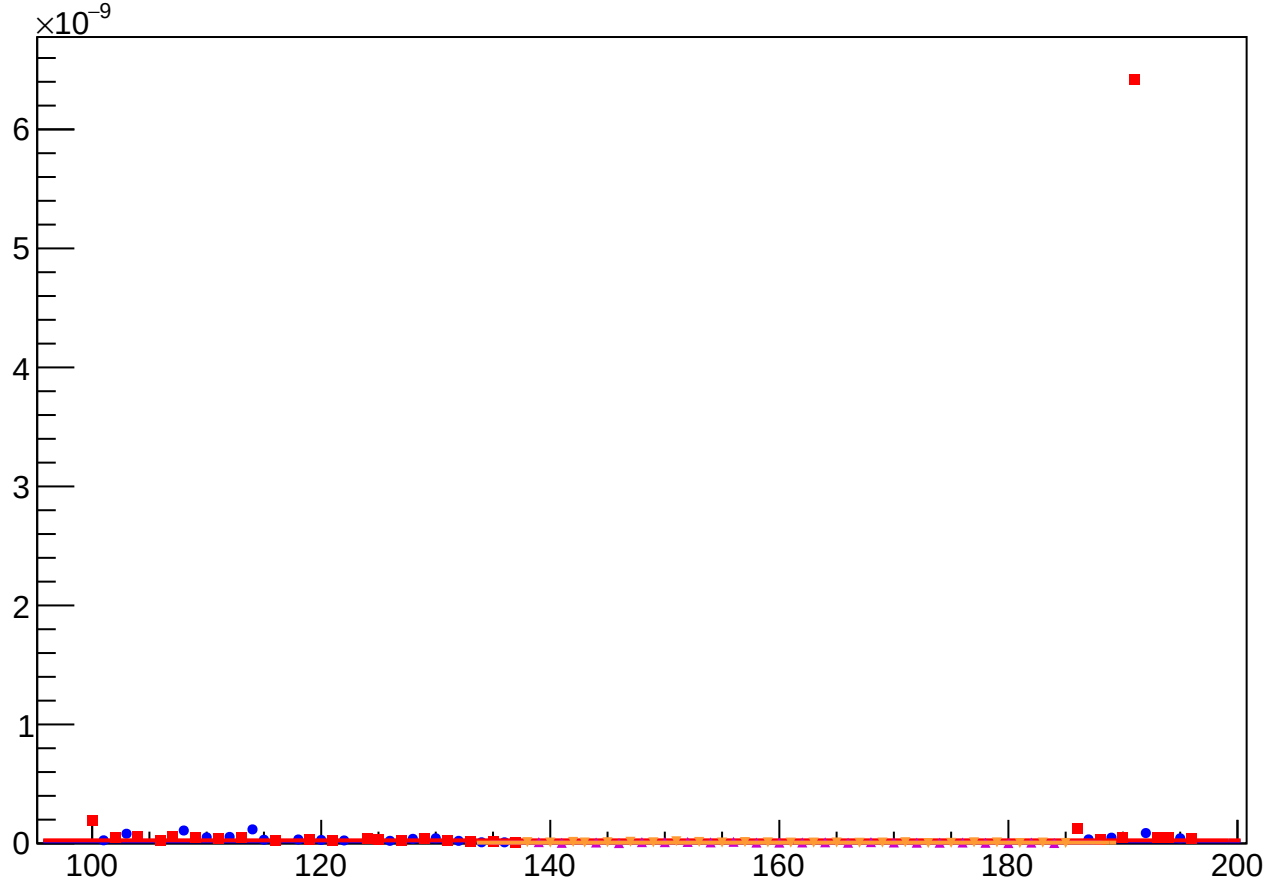
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/44

All: 0.000+/-0.000 χ^2/NDF: 102.5/93

- 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: 3288758.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2131352.8/25

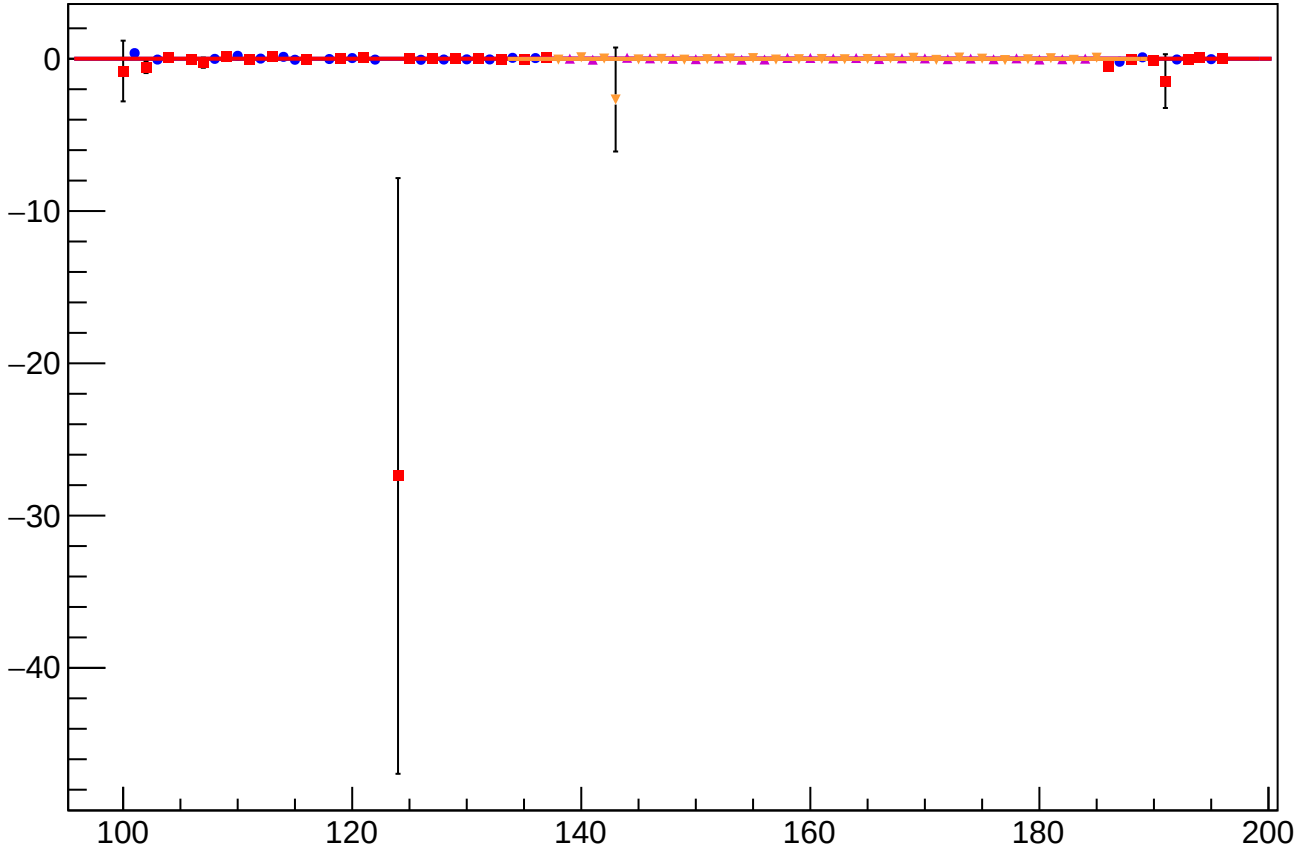
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6826007.1/44

All: 0.000+/-0.000 χ^2/NDF: 13770124.5/93

- sign 0.000+/-0.000 χ^2/NDF: 6940200.0/48

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

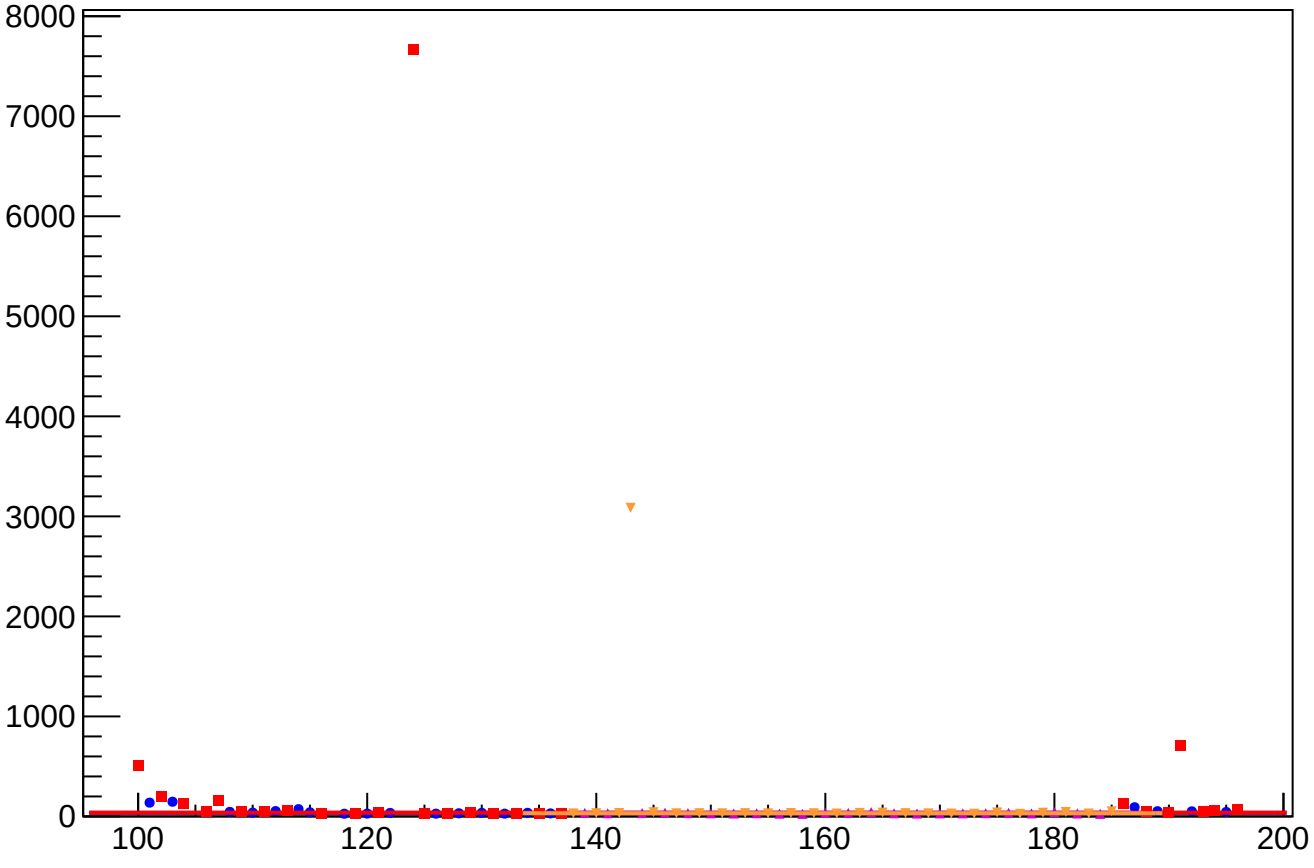
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.9/93

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.430+/-0.010 χ^2/NDF: 2157319.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

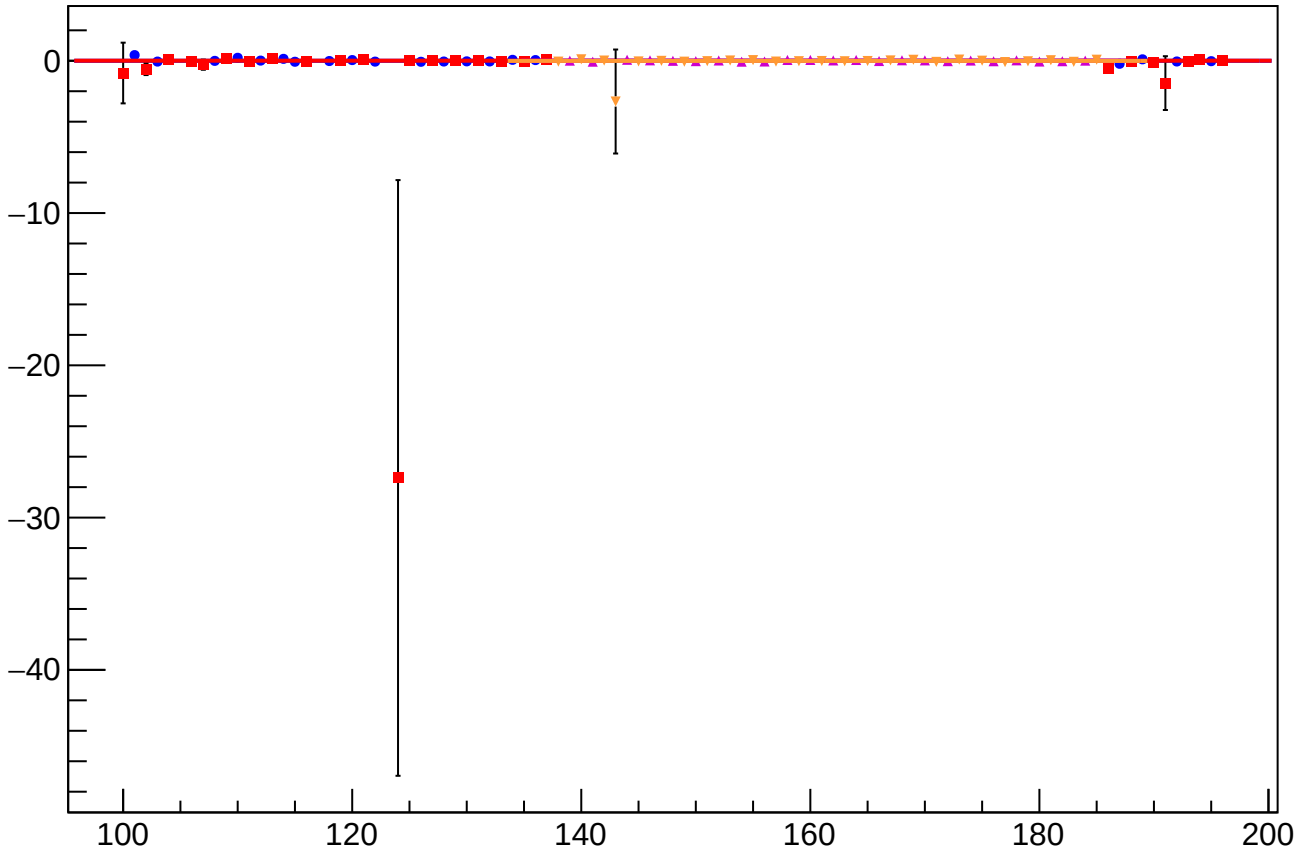
Right Out: 37.397+/-0.009 χ^2/NDF: 3584136.9/25

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414723.8/44

All: 33.609+/-0.004 χ^2/NDF: 8632451.3/93

- sign 33.827+/-0.005 χ^2/NDF: 4213877.0/48



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

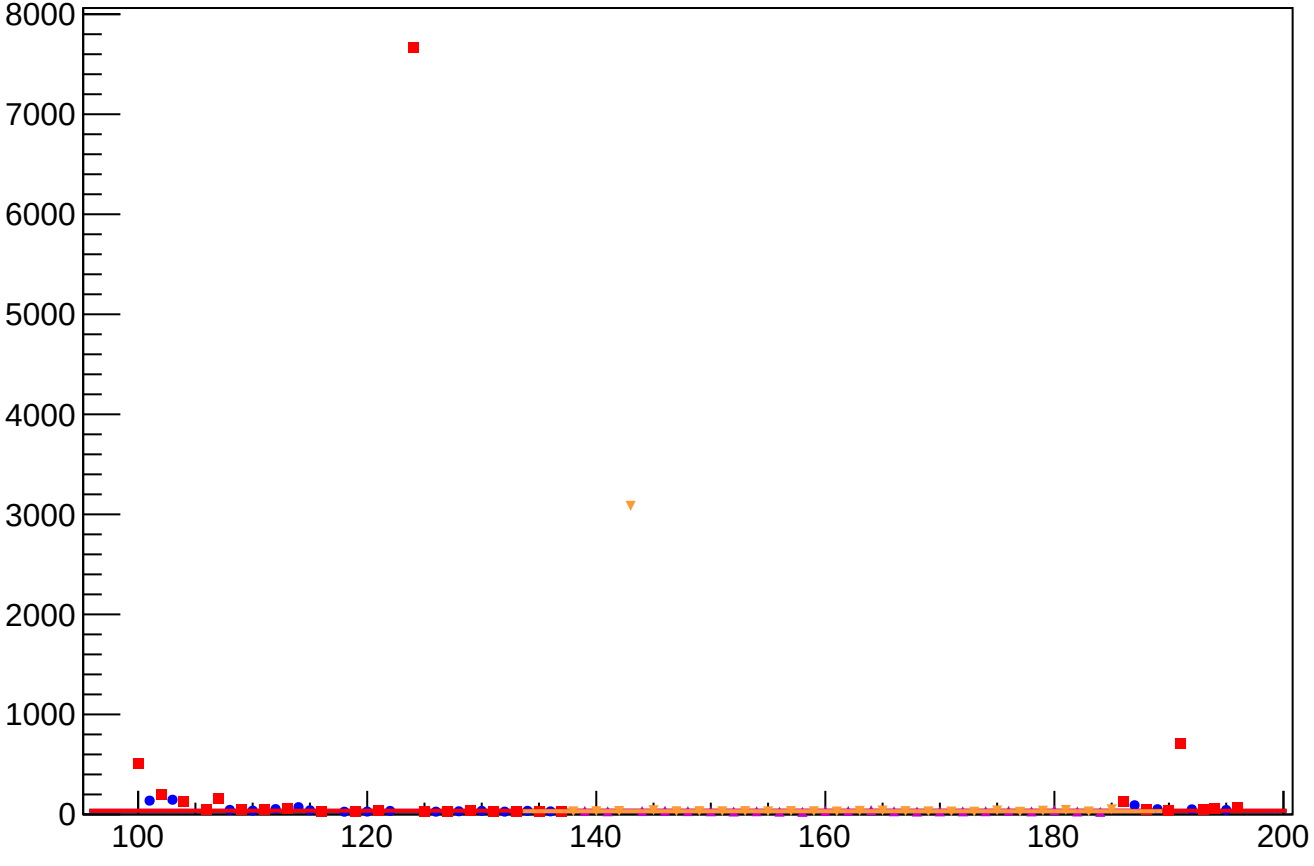
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.9/93

\- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.430+/-0.010 χ^2/NDF: 2157319.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

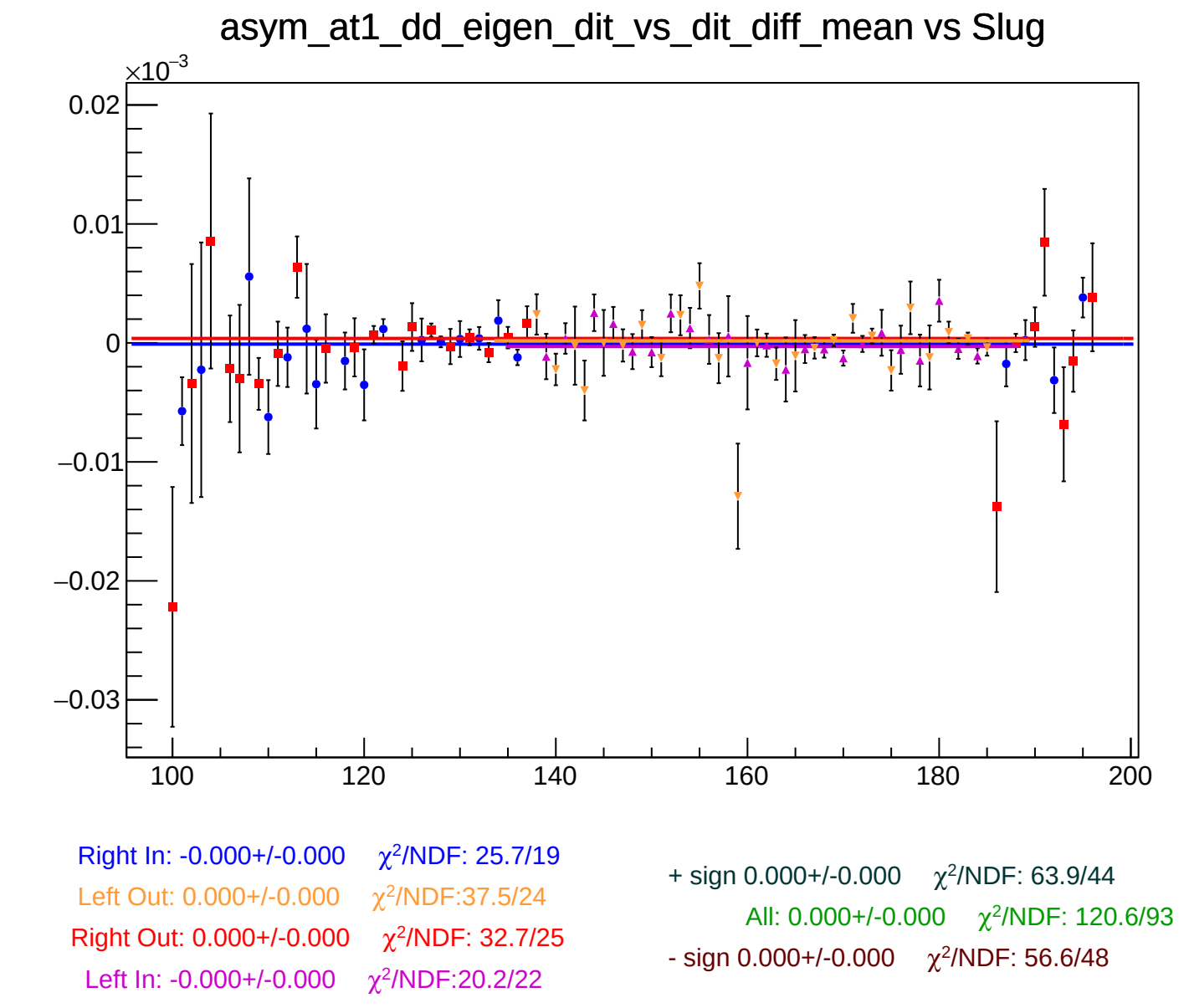
Right Out: 37.397+/-0.009 χ^2/NDF: 3584136.9/25

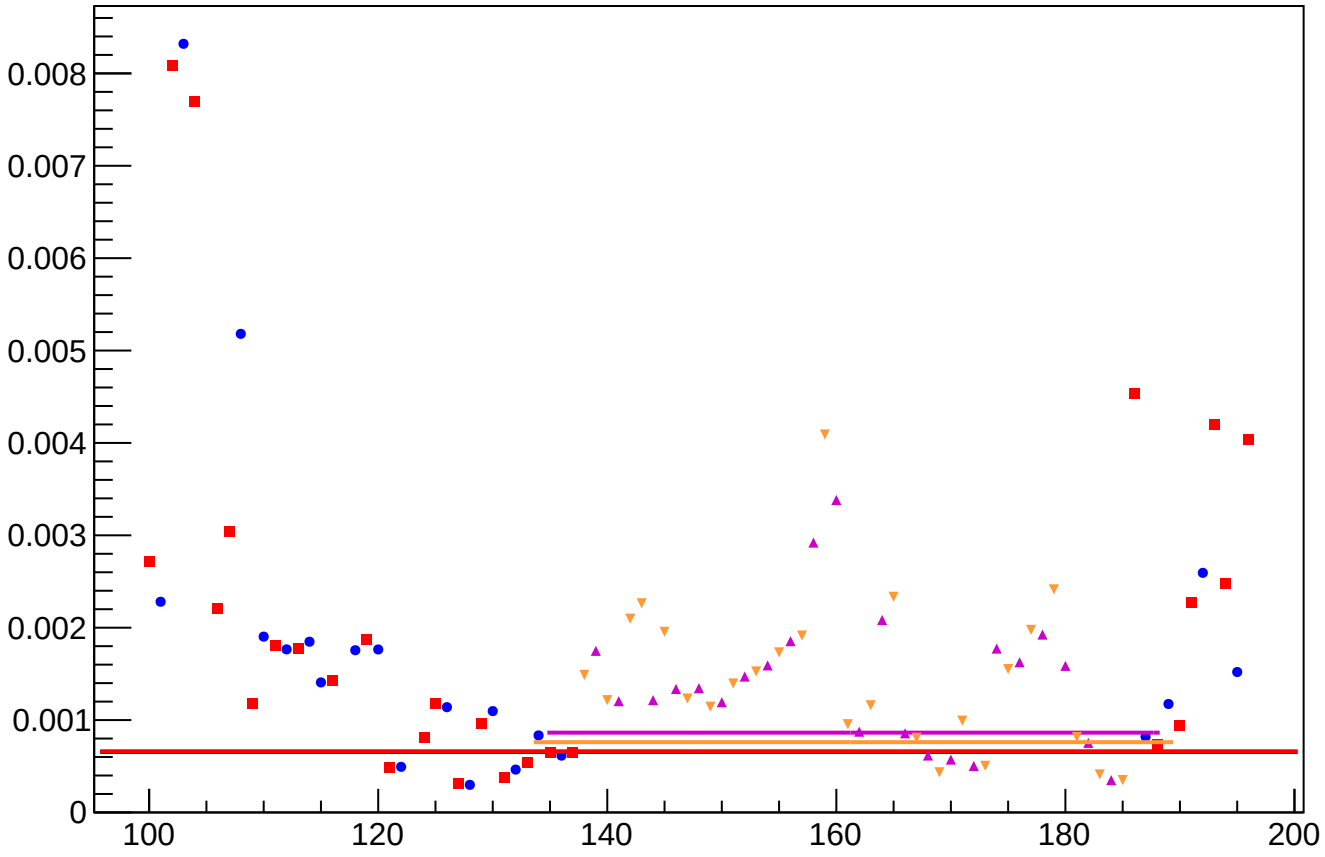
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414723.8/44

All: 33.609+/-0.004 χ^2/NDF: 8632451.3/93

- sign 33.827+/-0.005 χ^2/NDF: 4213877.0/48


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.7/19
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.7/25
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 63.9/44
All: 0.000+/-0.000 χ²/NDF: 120.6/93
- sign 0.000+/-0.000 χ²/NDF: 56.6/48



Right In: 0.001+/-0.000 χ^2/NDF: 7323785.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

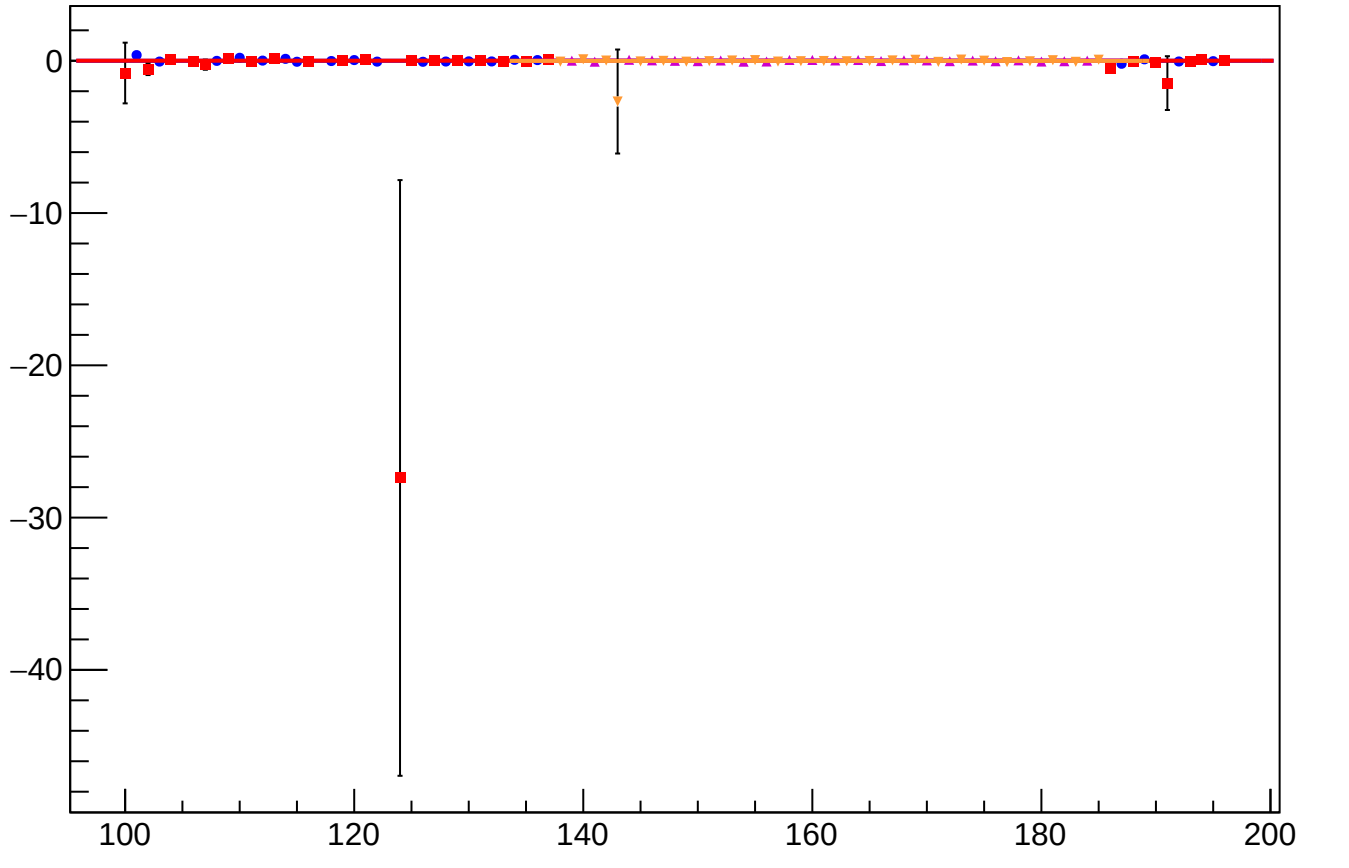
Right Out: 0.001+/-0.000 χ^2/NDF: 9684943.1/25

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18590420.5/44

All: 0.001+/-0.000 χ^2/NDF: 37447327.1/93

- sign 0.001+/-0.000 χ^2/NDF: 18775467.7/48



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

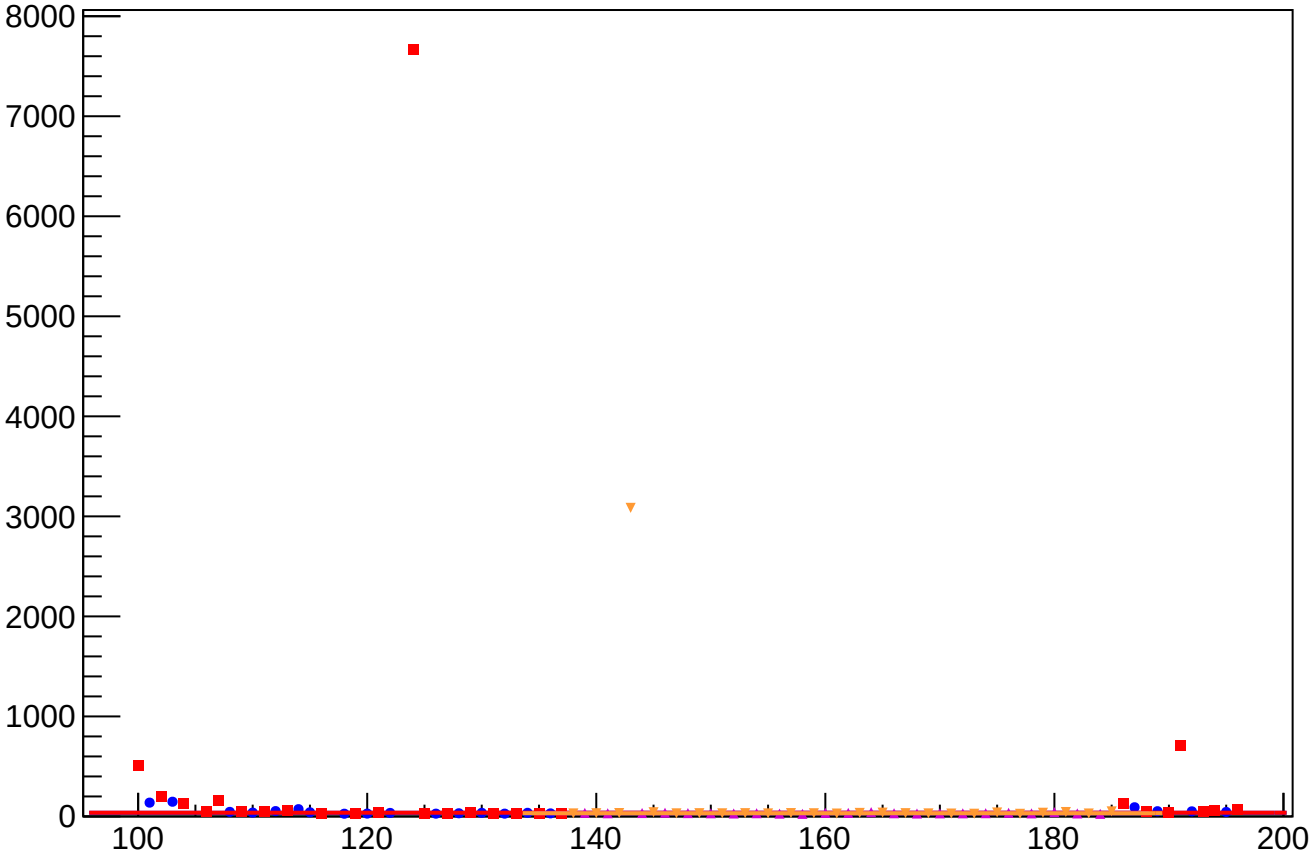
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.9/93

\- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.430+/-0.010 χ^2/NDF: 2157281.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

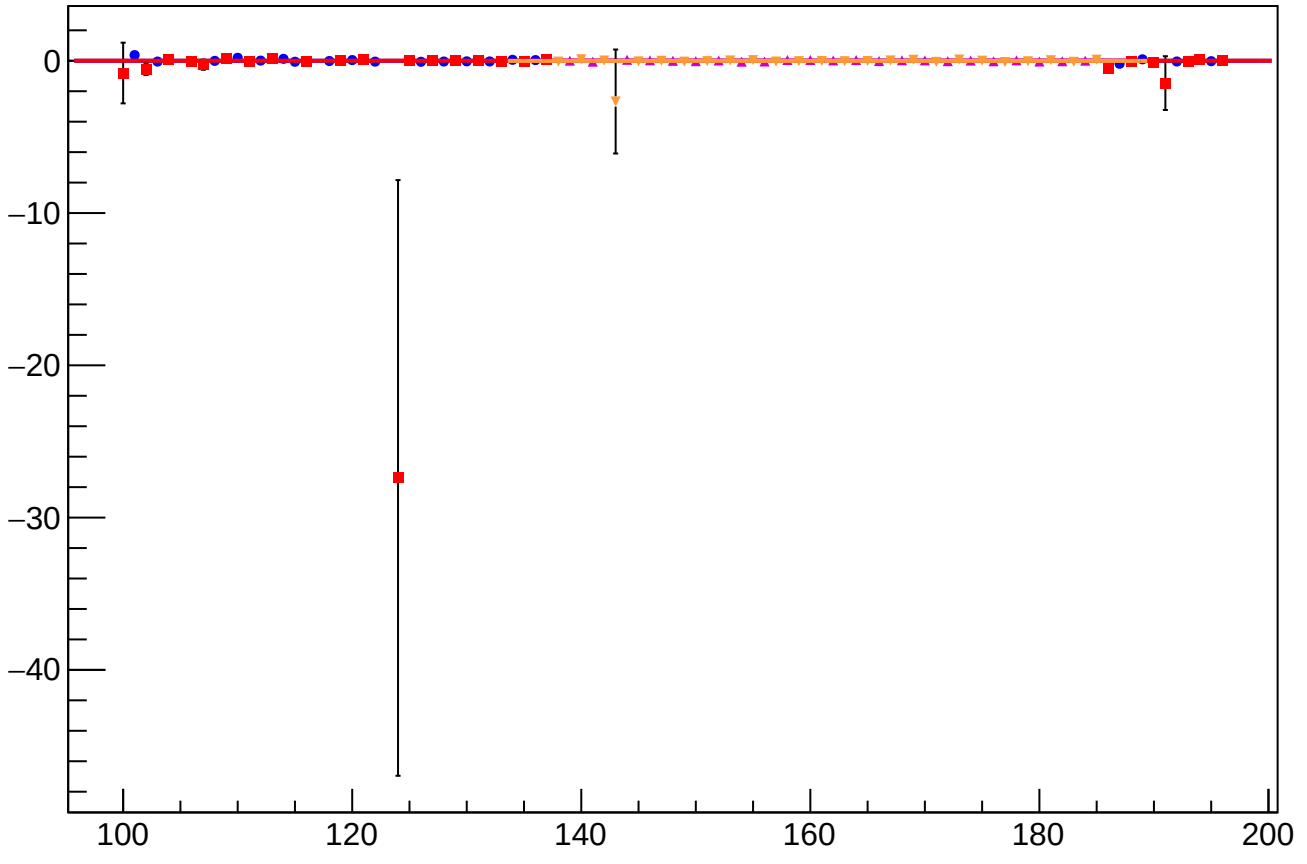
Right Out: 37.397+/-0.009 χ^2/NDF: 3584131.5/25

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414728.5/44

All: 33.610+/-0.004 χ^2/NDF: 8632342.3/93

- sign 33.827+/-0.005 χ^2/NDF: 4213759.3/48



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

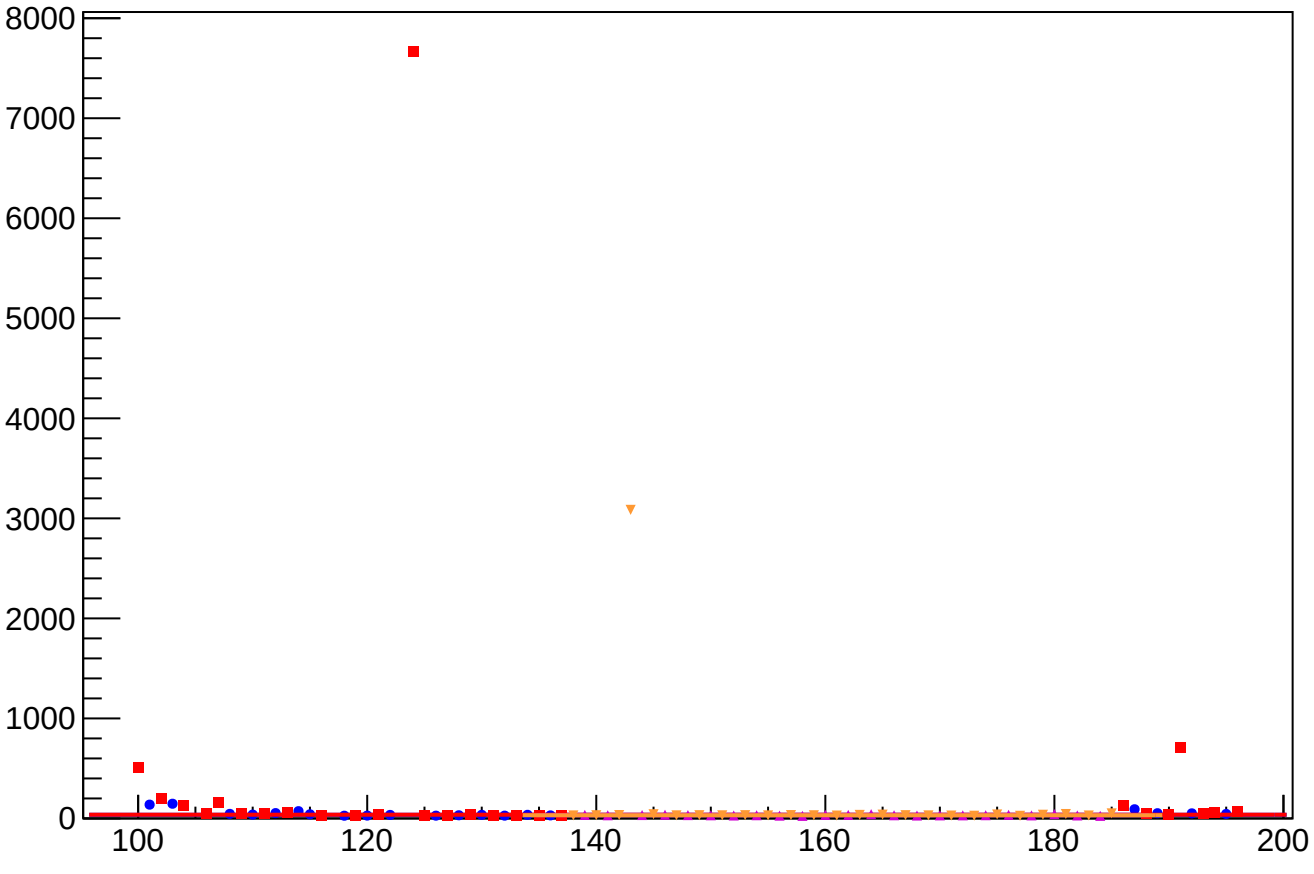
Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.9/93

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48



Right In: 36.430+/-0.010 χ^2/NDF: 2157281.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

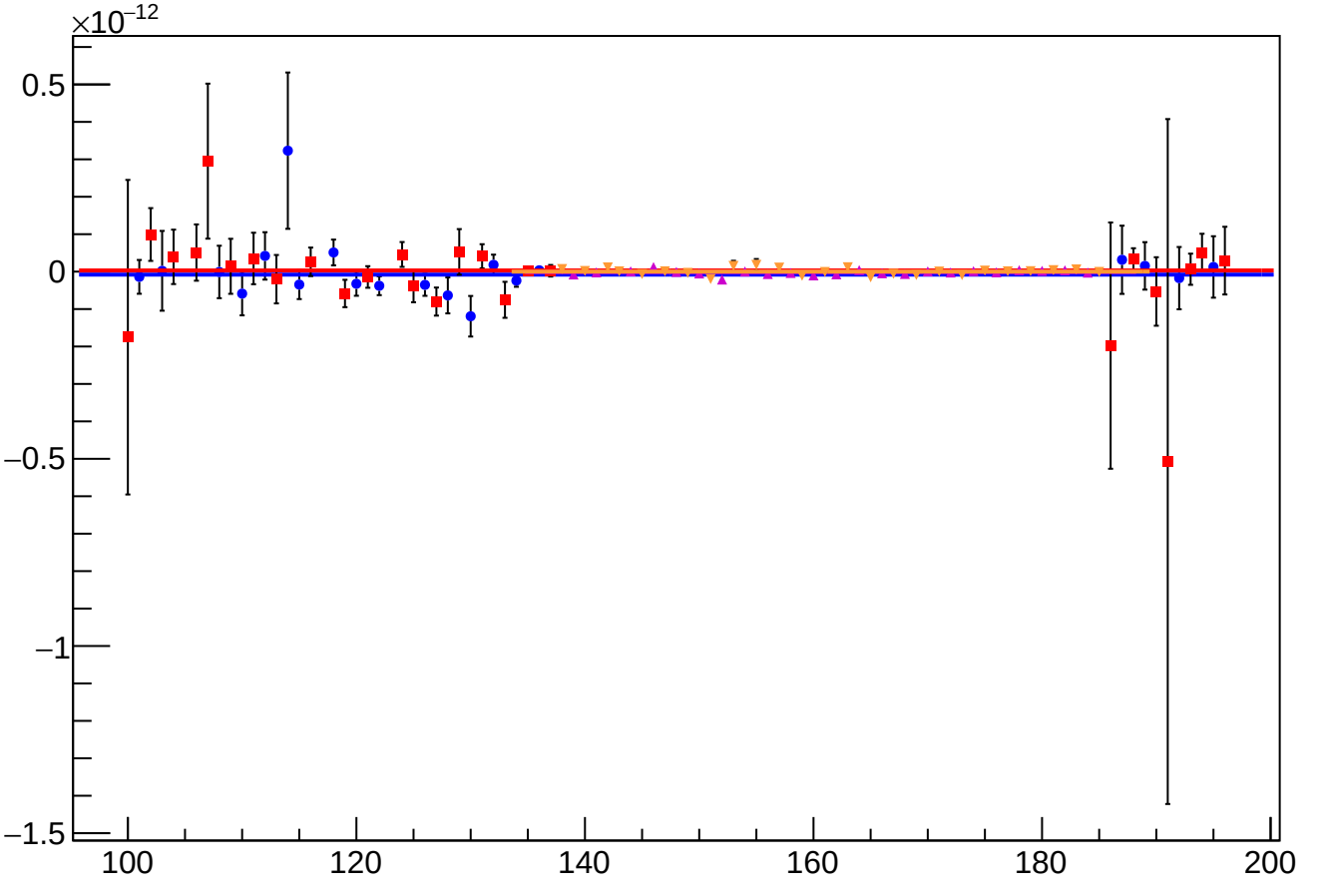
Right Out: 37.397+/-0.009 χ^2/NDF: 3584131.5/25

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414728.5/44

All: 33.610+/-0.004 χ^2/NDF: 8632342.3/93

- sign 33.827+/-0.005 χ^2/NDF: 4213759.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

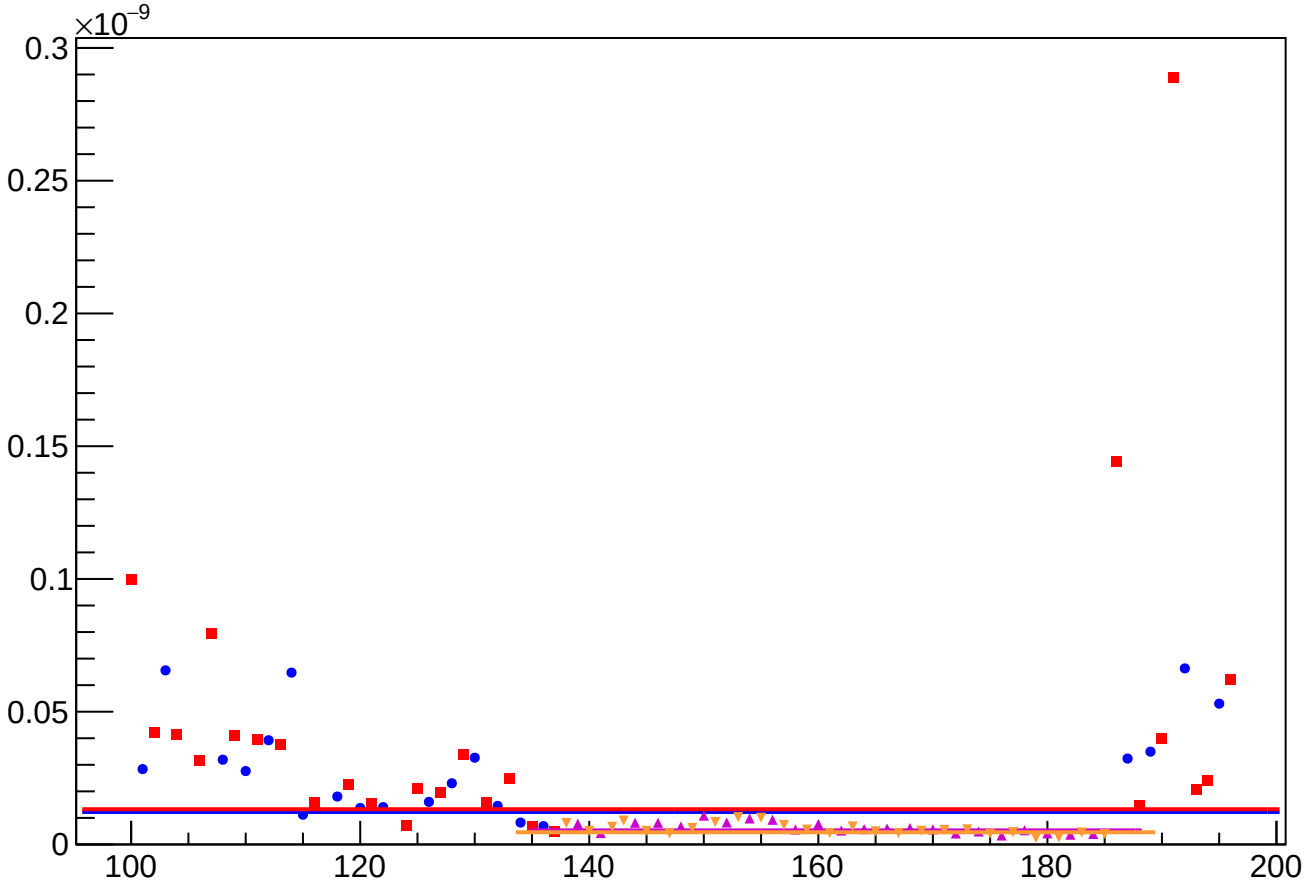
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/25

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/44

All: -0.000+/-0.000 χ^2/NDF: 75.8/93

- sign -0.000+/-0.000 χ^2/NDF: 33.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4545822.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5217631.1/25

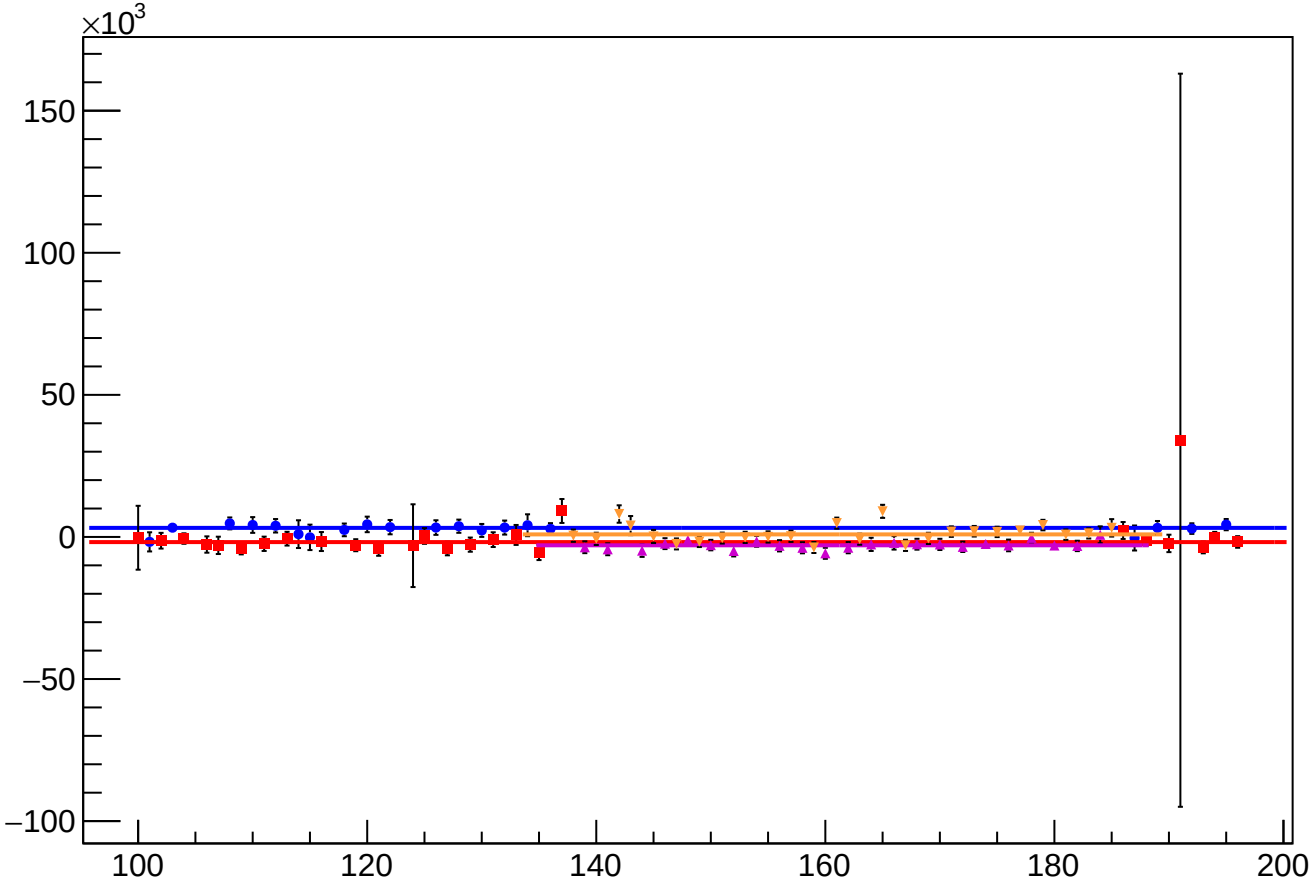
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10136247.6/44

All: 0.000+/-0.000 χ^2/NDF: 20406146.7/93

- sign 0.000+/-0.000 χ^2/NDF: 10016194.8/48

reg_asym_at2_avg_mean vs Slug



Right In: 3190.549+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.728+/-512.150 χ^2/NDF: 17.9/25

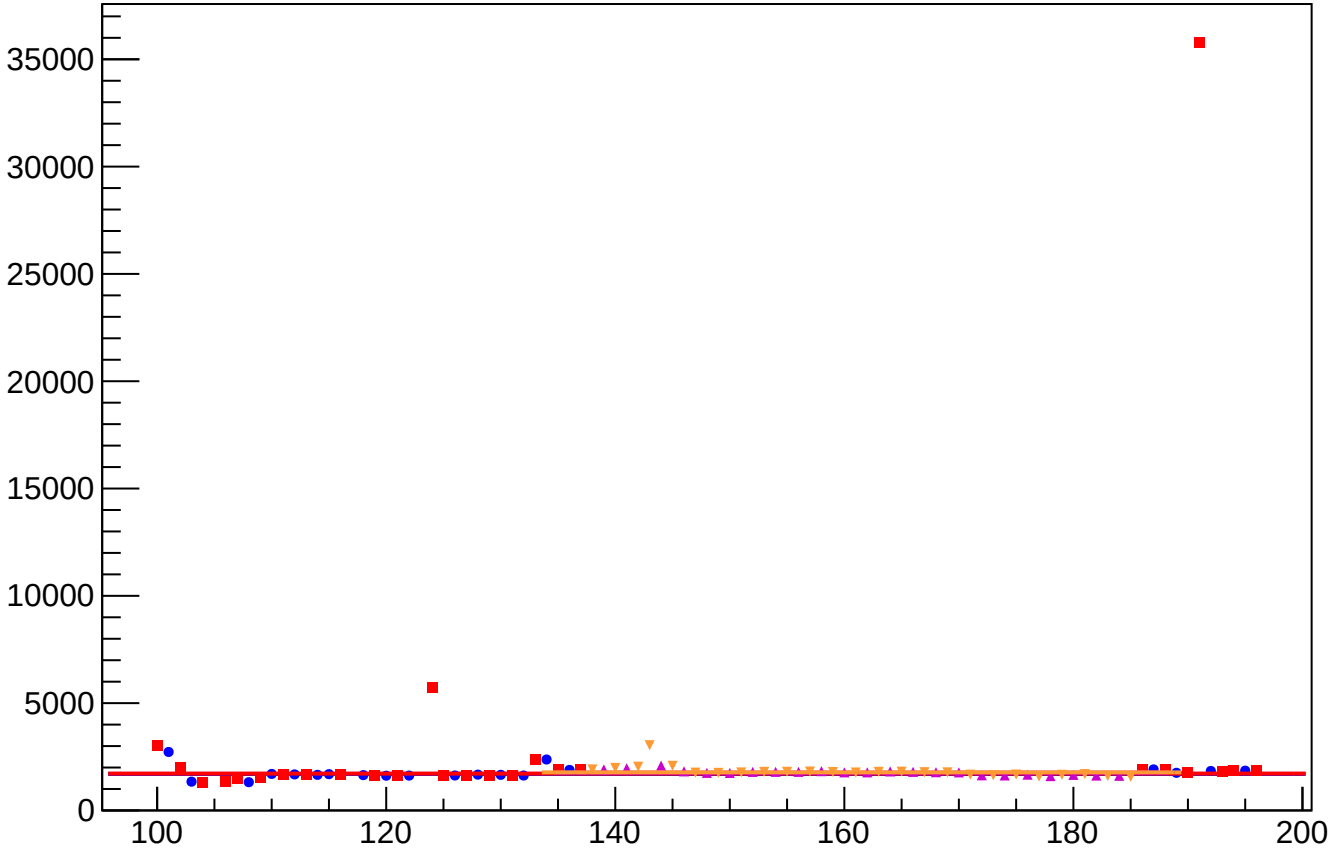
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.341+/-326.479 χ^2/NDF: 61.8/44

All: -431.872+/-228.913 χ^2/NDF: 177.5/93

- sign -2498.619+/-321.052 χ^2/NDF: 31.4/48

reg_asym_at2_avg_rms vs Slug



Right In: 1701.747+/-0.389 χ^2/NDF: 451676.6/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.5/25

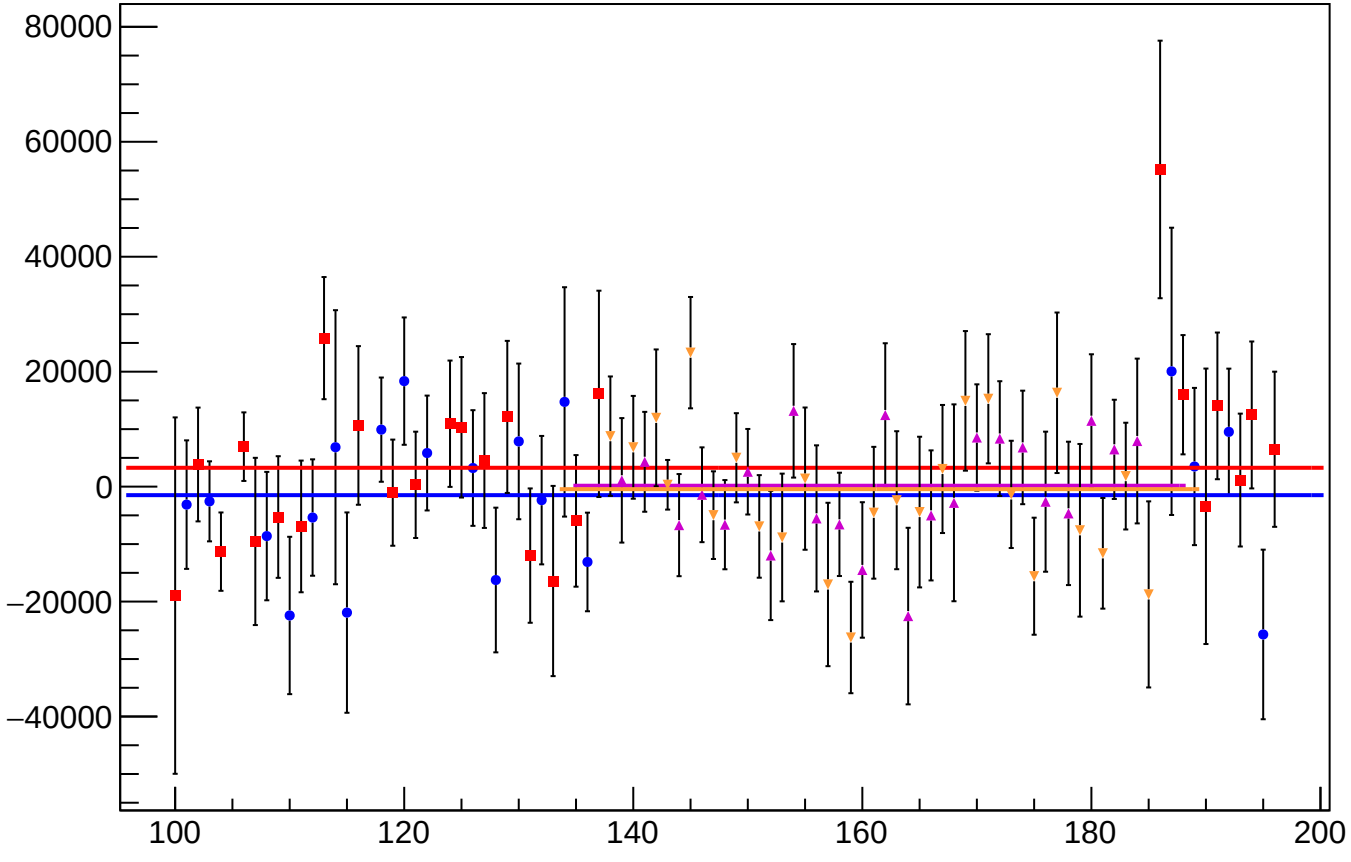
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921366.6/44

All: 1746.313+/-0.162 χ^2/NDF: 1730149.4/93

- sign 1743.668+/-0.227 χ^2/NDF: 808506.6/48

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1484.405+/-2559.482 χ^2/NDF: 18.9/19

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3277.948+/-2194.775 χ^2/NDF: 26.7/25

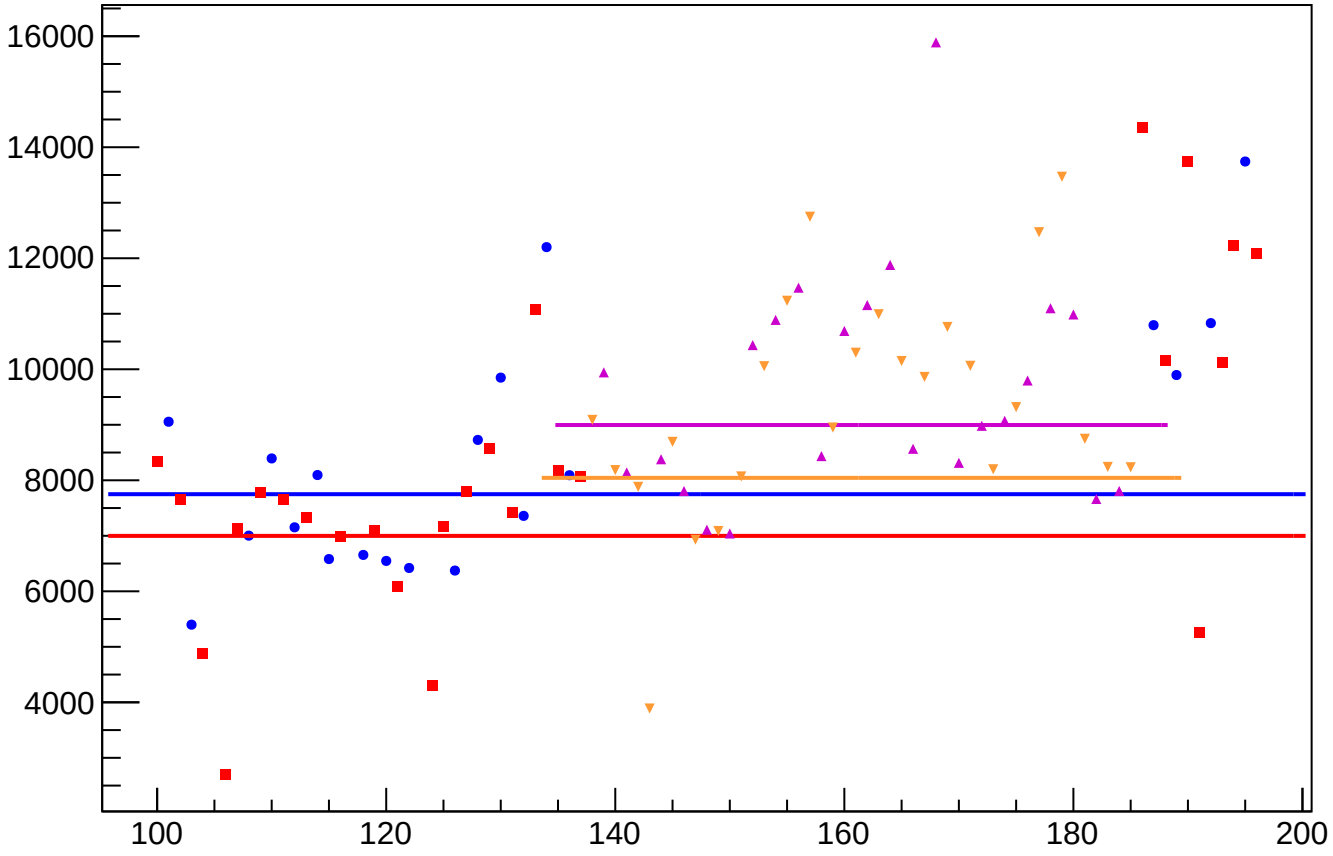
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -819.624+/-1538.752 χ^2/NDF: 48.5/44

All: 434.321+/-1086.196 χ^2/NDF: 91.3/93

- sign 1679.698+/-1533.486 χ^2/NDF: 41.5/48

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7749.586+/-1.810 χ^2/NDF: 1141601.5/19

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 6998.378+/-1.552 χ^2/NDF: 2953609.4/25

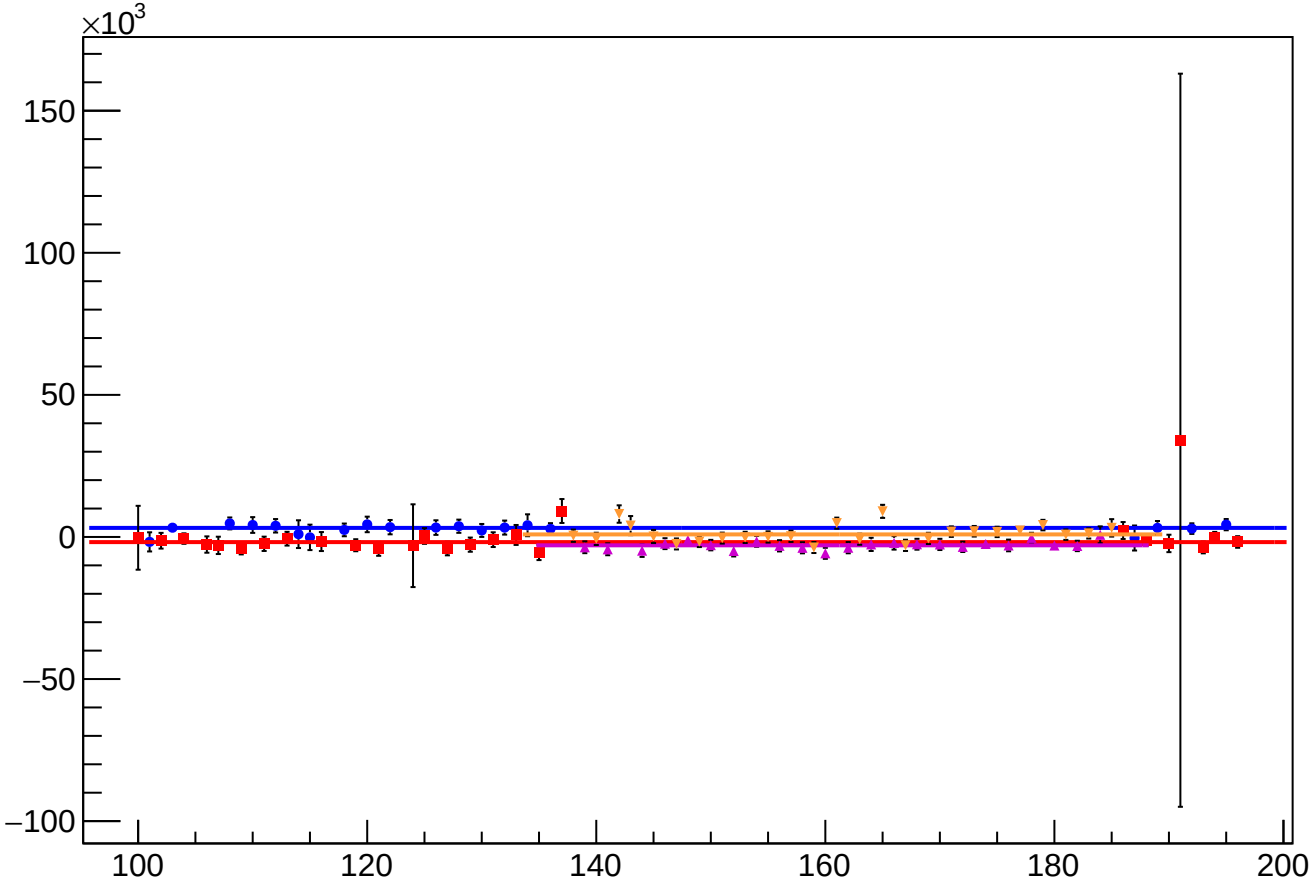
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7937.482+/-1.088 χ^2/NDF: 4521319.4/44

All: 7979.187+/-0.768 χ^2/NDF: 9532671.3/93

- sign 8020.607+/-1.084 χ^2/NDF: 5008423.5/48

cor_asym_at2_avg_mean vs Slug



Right In: 3190.641+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.604+/-512.150 χ^2/NDF: 17.8/25

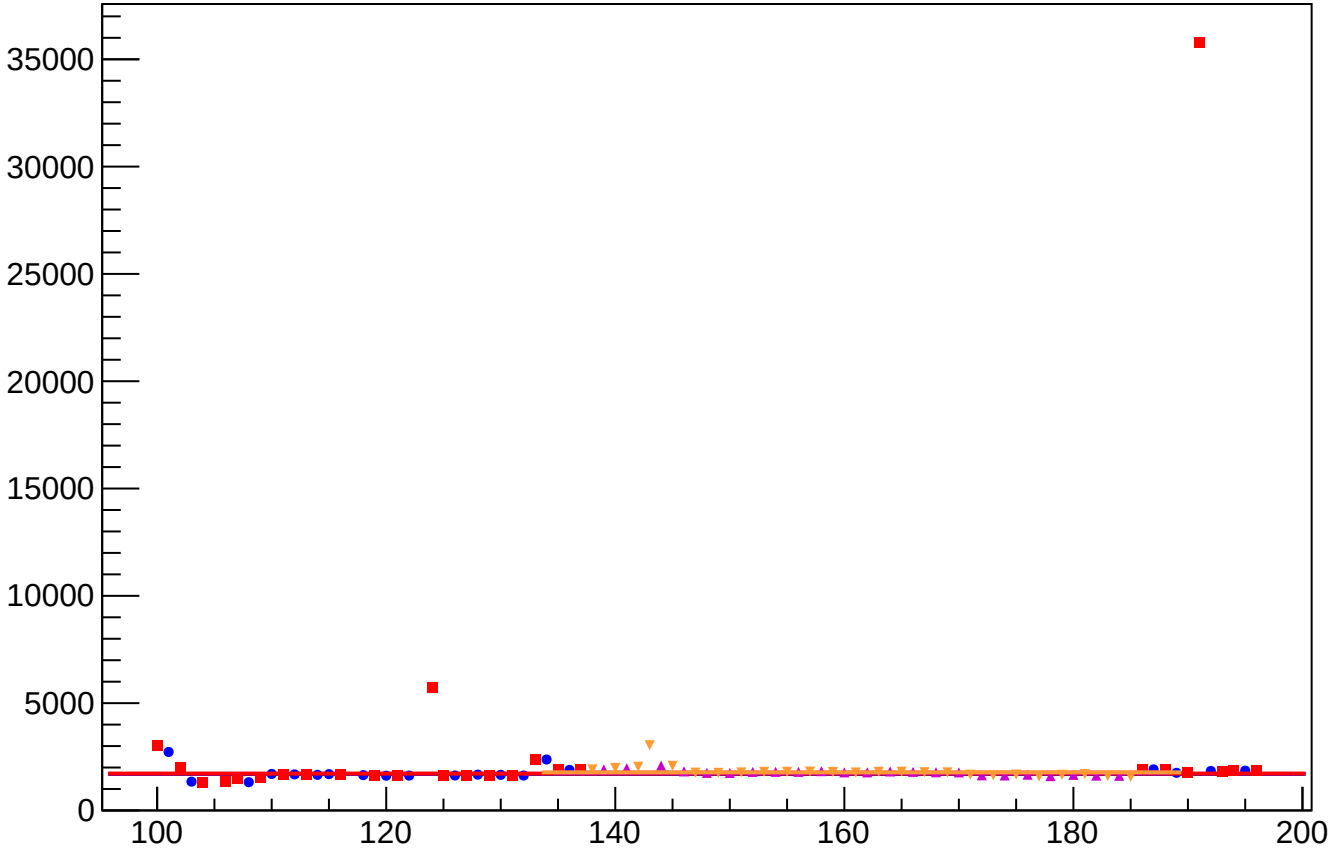
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.322+/-326.479 χ^2/NDF: 61.8/44

All: -431.821+/-228.913 χ^2/NDF: 177.5/93

- sign -2498.502+/-321.052 χ^2/NDF: 31.4/48

cor_asym_at2_avg_rms vs Slug



Right In: 1701.747+/-0.389 χ^2/NDF: 451677.0/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.7/25

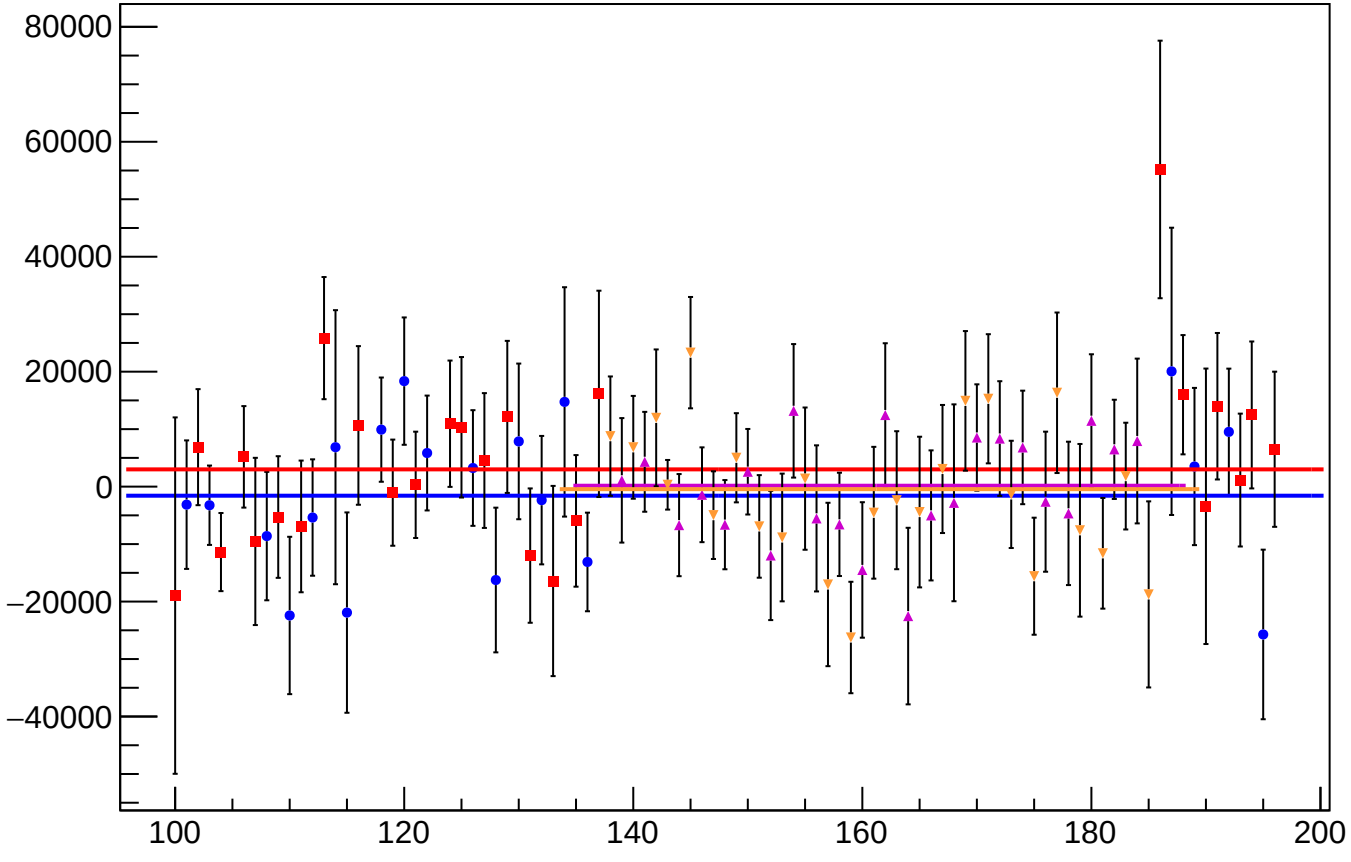
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921367.0/44

All: 1746.313+/-0.162 χ^2/NDF: 1730150.0/93

- sign 1743.668+/-0.227 χ^2/NDF: 808506.8/48

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1580.076+/-2556.507 χ^2/NDF: 19.0/19

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3001.119+/-2281.794 χ^2/NDF: 26.5/25

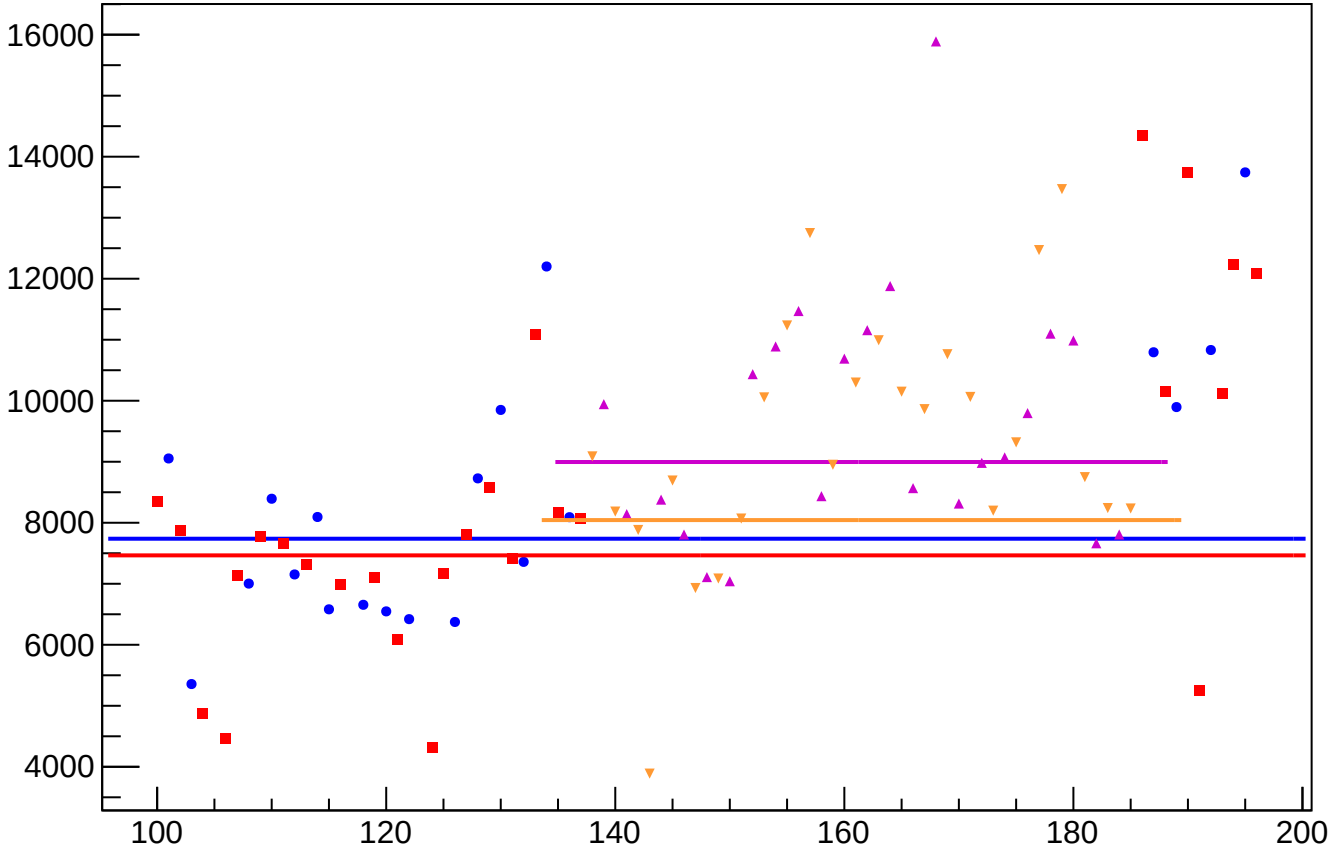
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -854.839+/-1538.103 χ^2/NDF: 48.6/44

All: 298.961+/-1096.052 χ^2/NDF: 90.8/93

- sign 1489.321+/-1562.282 χ^2/NDF: 41.1/48

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7738.309+/-1.808 χ^2/NDF: 1153872.4/19

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7465.406+/-1.613 χ^2/NDF: 2004846.2/25

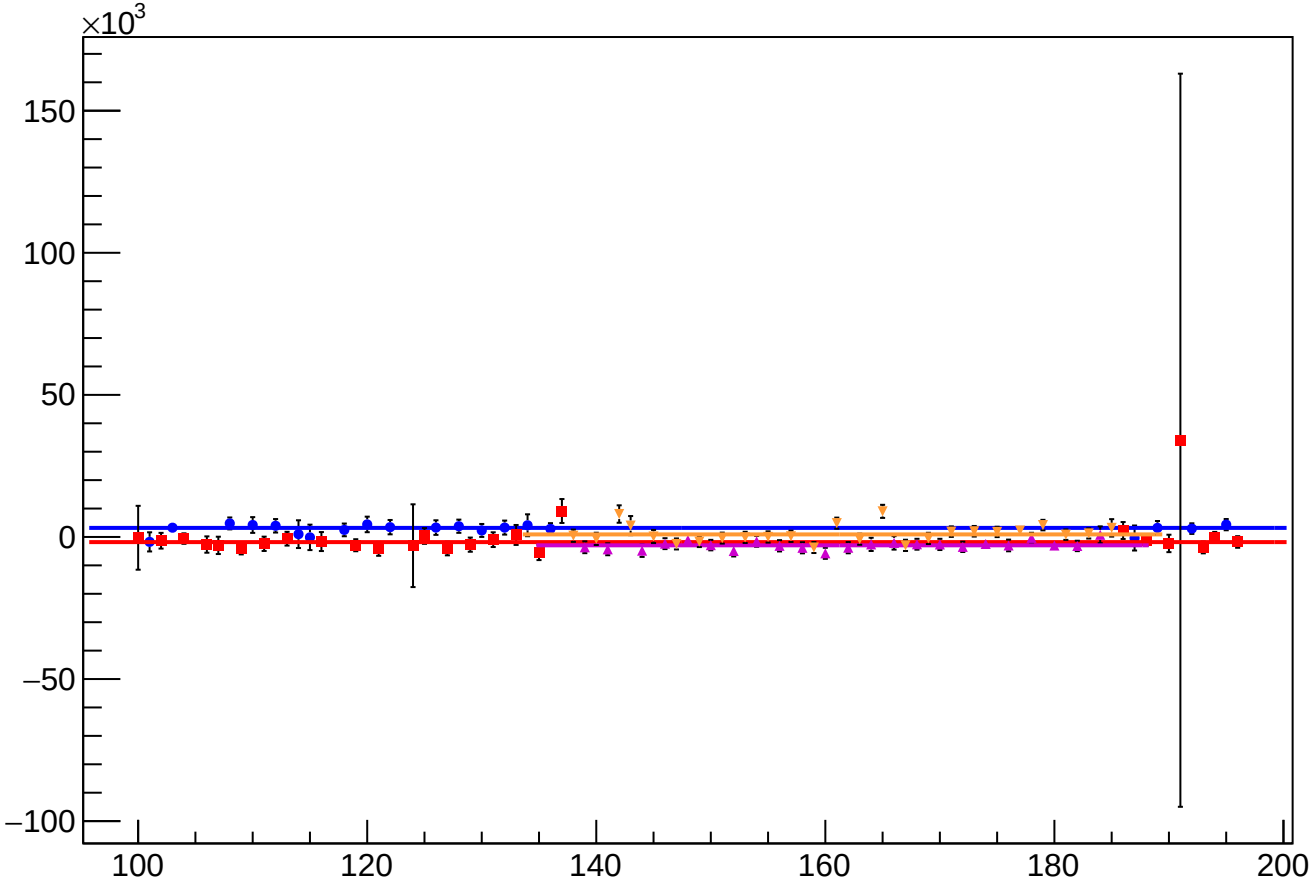
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7933.226+/-1.088 χ^2/NDF: 4535010.1/44

All: 8103.066+/-0.775 χ^2/NDF: 8274352.9/93

- sign 8278.288+/-1.105 χ^2/NDF: 3689798.2/48

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3190.641+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.604+/-512.150 χ^2/NDF: 17.8/25

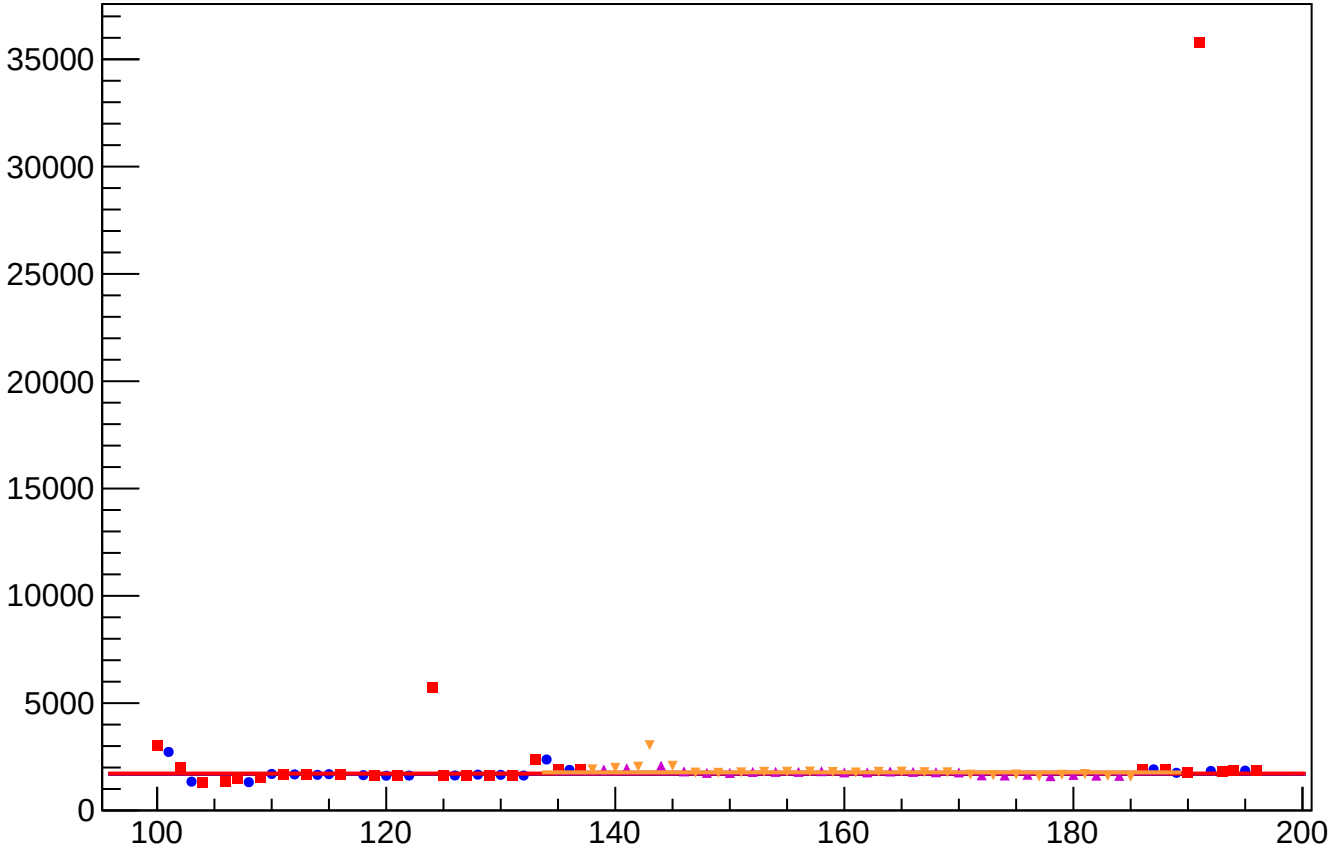
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.322+/-326.479 χ^2/NDF: 61.8/44

All: -431.821+/-228.913 χ^2/NDF: 177.5/93

- sign -2498.502+/-321.052 χ^2/NDF: 31.4/48

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1701.747+/-0.389 χ^2/NDF: 451677.0/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.7/25

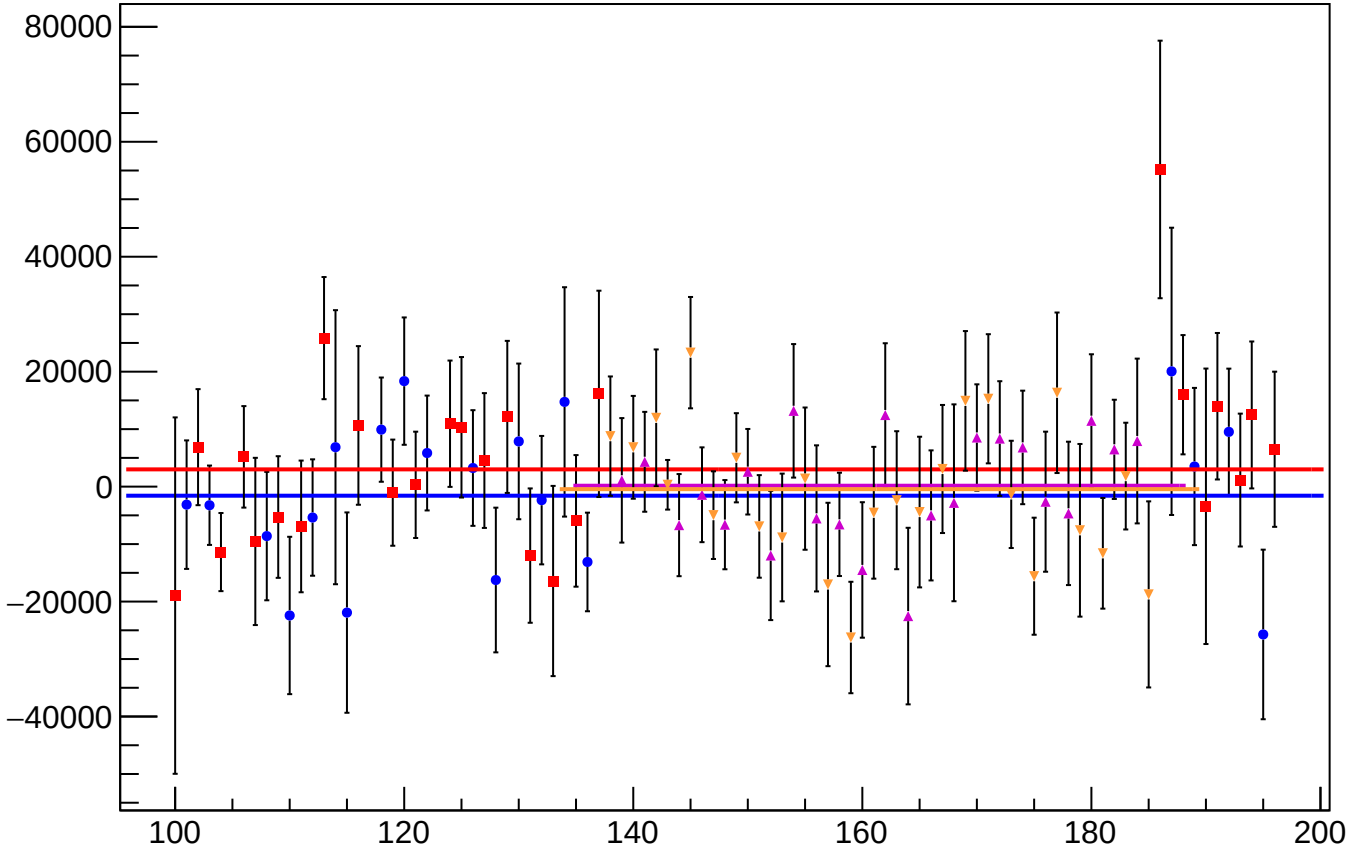
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921367.0/44

All: 1746.313+/-0.162 χ^2/NDF: 1730150.0/93

- sign 1743.668+/-0.227 χ^2/NDF: 808506.8/48

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1580.076+/-2556.507 χ^2/NDF: 19.0/19

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3001.119+/-2281.794 χ^2/NDF: 26.5/25

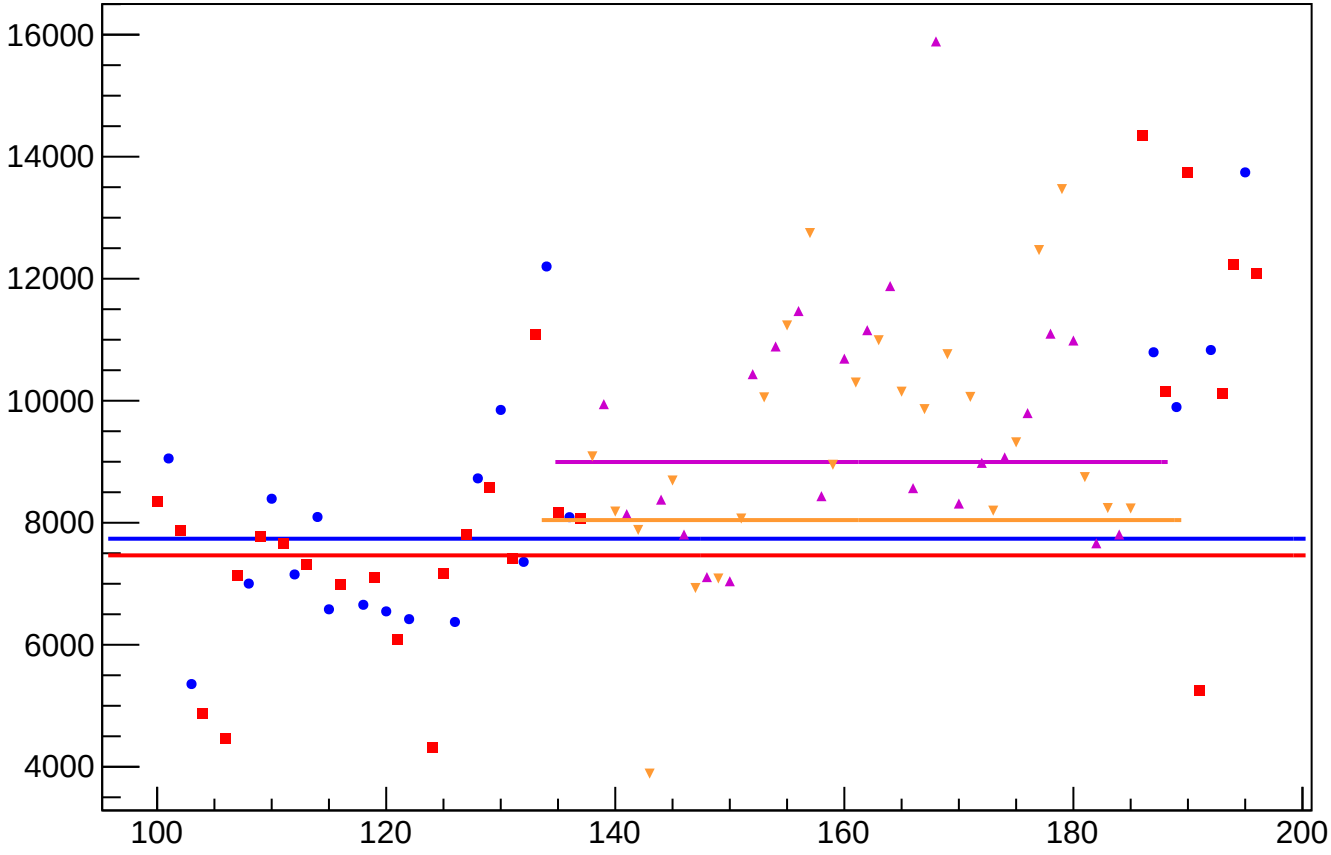
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -854.839+/-1538.103 χ^2/NDF: 48.6/44

All: 298.961+/-1096.052 χ^2/NDF: 90.8/93

\- sign 1489.321+/-1562.282 χ^2/NDF: 41.1/48

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7738.309+/-1.808 χ^2/NDF: 1153872.4/19

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7465.406+/-1.613 χ^2/NDF: 2004846.2/25

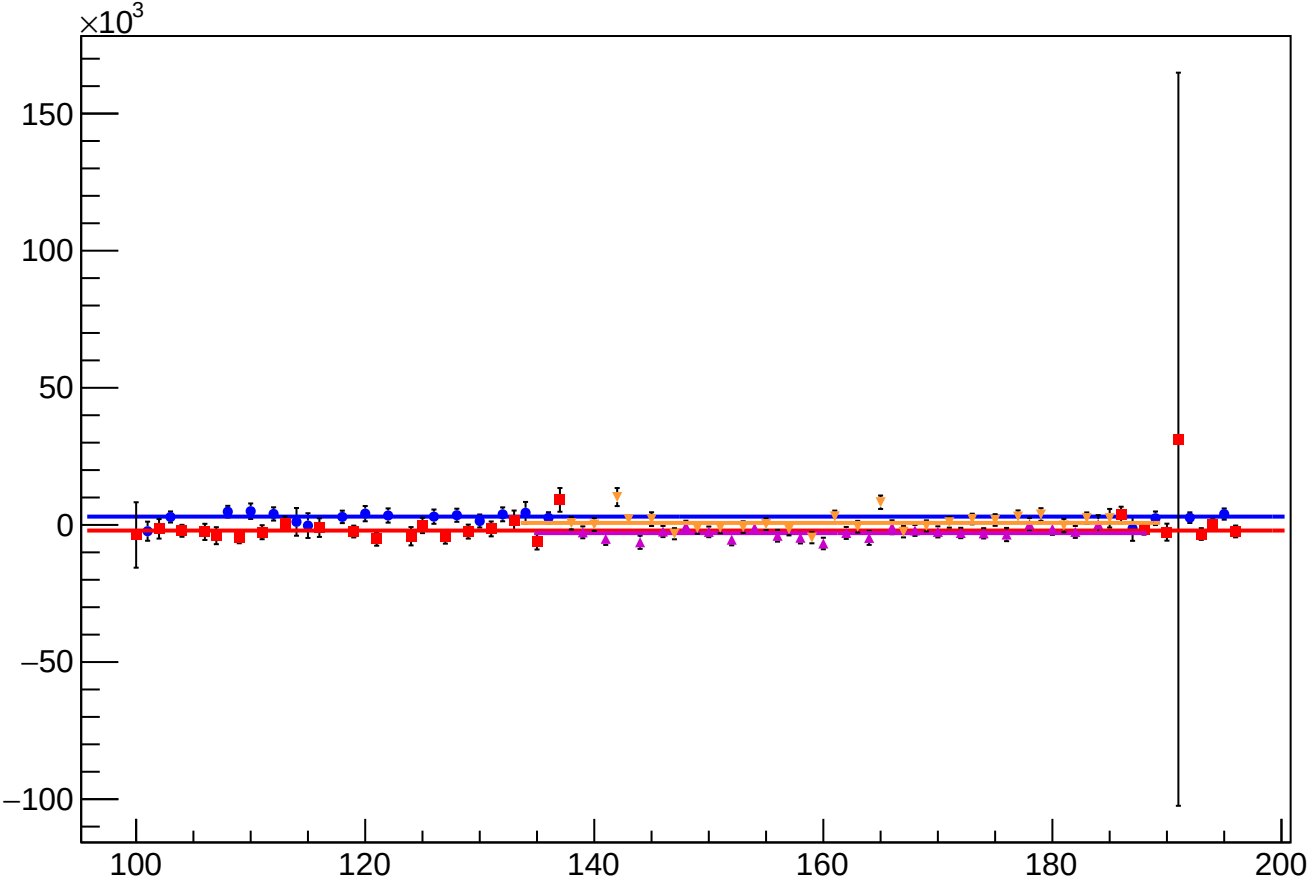
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7933.226+/-1.088 χ^2/NDF: 4535010.1/44

All: 8103.066+/-0.775 χ^2/NDF: 8274352.9/93

- sign 8278.288+/-1.105 χ^2/NDF: 3689798.2/48

dit_asym_at2_avg_mean vs Slug



Right In: 3035.338+/-570.271 χ^2/NDF: 6.6/19

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2048.473+/-526.306 χ^2/NDF: 21.6/25

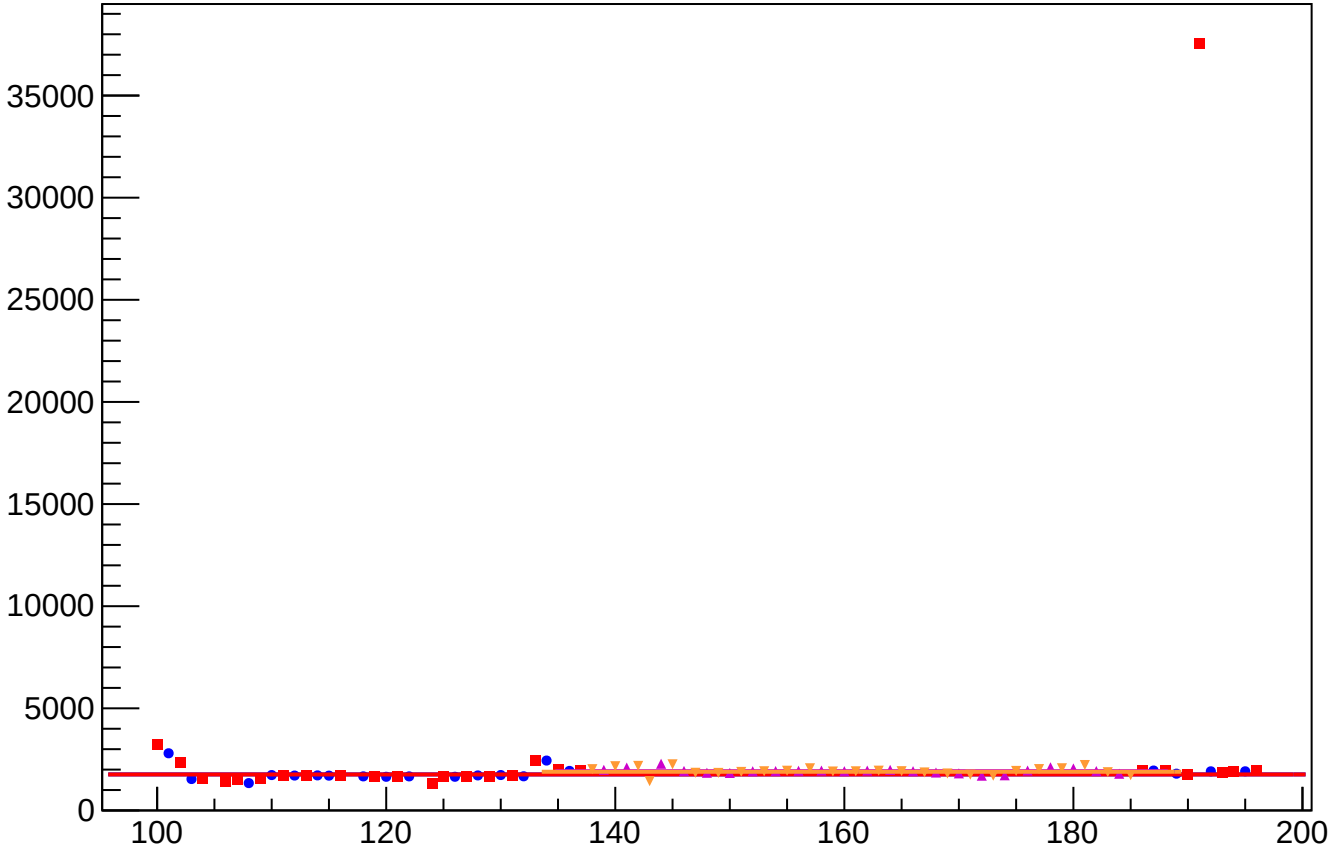
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1578.468+/-344.795 χ^2/NDF: 58.5/44

All: -519.577+/-242.874 χ^2/NDF: 171.0/93

- sign -2585.816+/-342.172 χ^2/NDF: 39.0/48

dit_asym_at2_avg_rms vs Slug



Right In: 1764.649+/-0.403 χ^2/NDF: 399702.5/19

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1762.595+/-0.372 χ^2/NDF: 511265.0/25

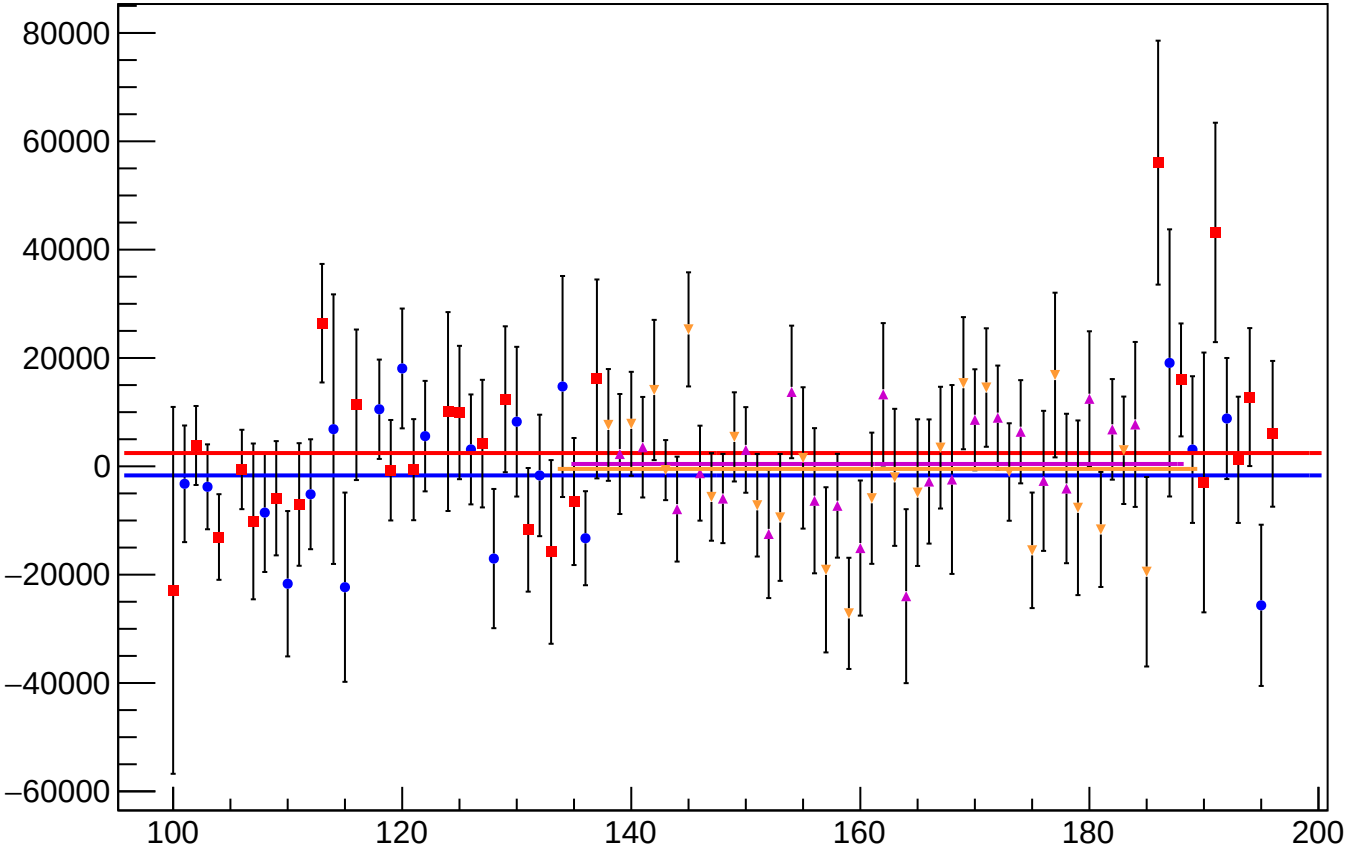
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1847.148+/-0.244 χ^2/NDF: 834264.8/44

All: 1851.207+/-0.172 χ^2/NDF: 1604391.4/93

- sign 1855.203+/-0.242 χ^2/NDF: 769576.7/48

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1676.742+/-2605.305 χ^2/NDF: 18.7/19

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2452.144+/-2290.009 χ^2/NDF: 29.3/25

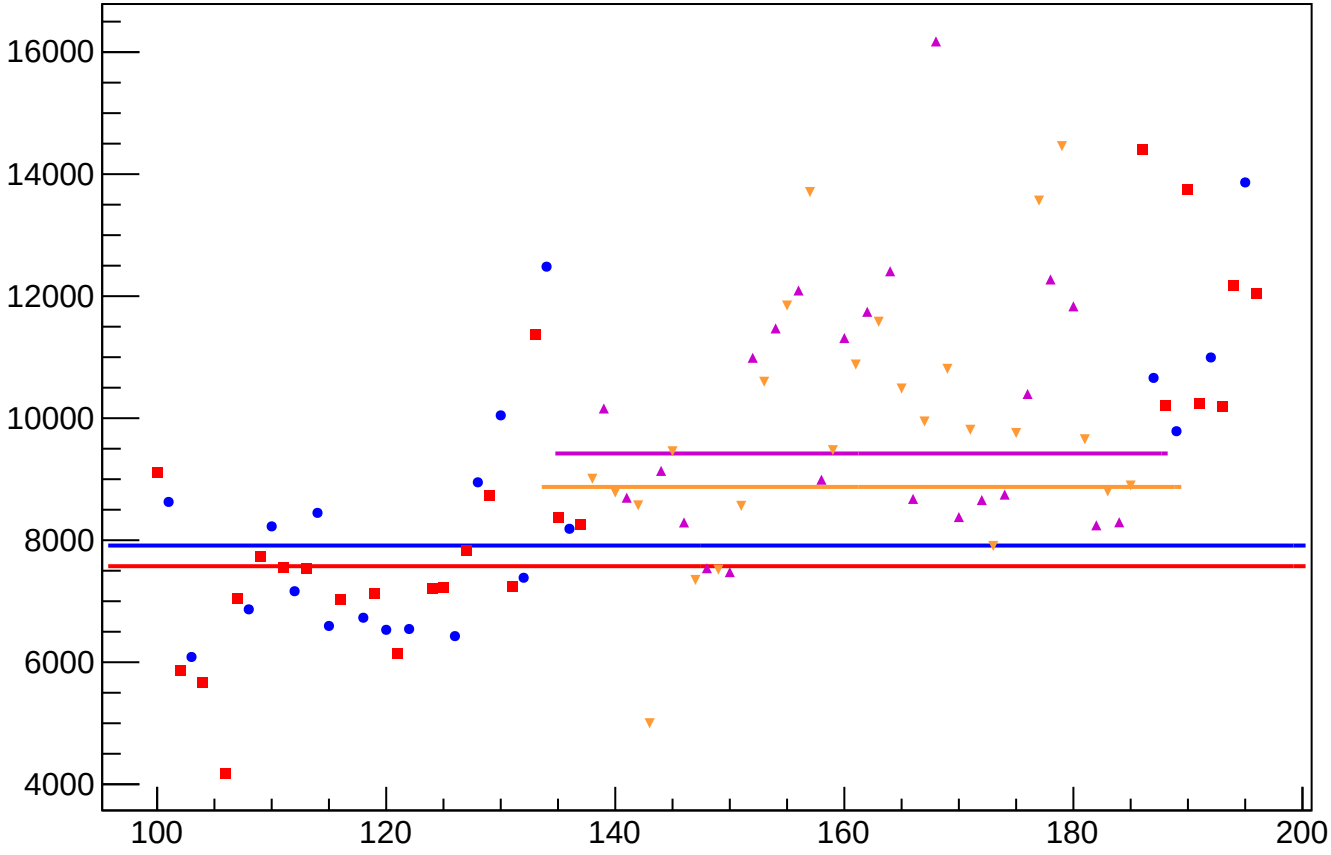
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -947.981+/-1629.894 χ^2/NDF: 47.7/44

All: 257.854+/-1142.953 χ^2/NDF: 92.0/93

- sign 1424.510+/-1603.196 χ^2/NDF: 43.2/48

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7912.767+/-1.842 χ^2/NDF: 1005848.3/19

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7574.207+/-1.619 χ^2/NDF: 1914204.5/25

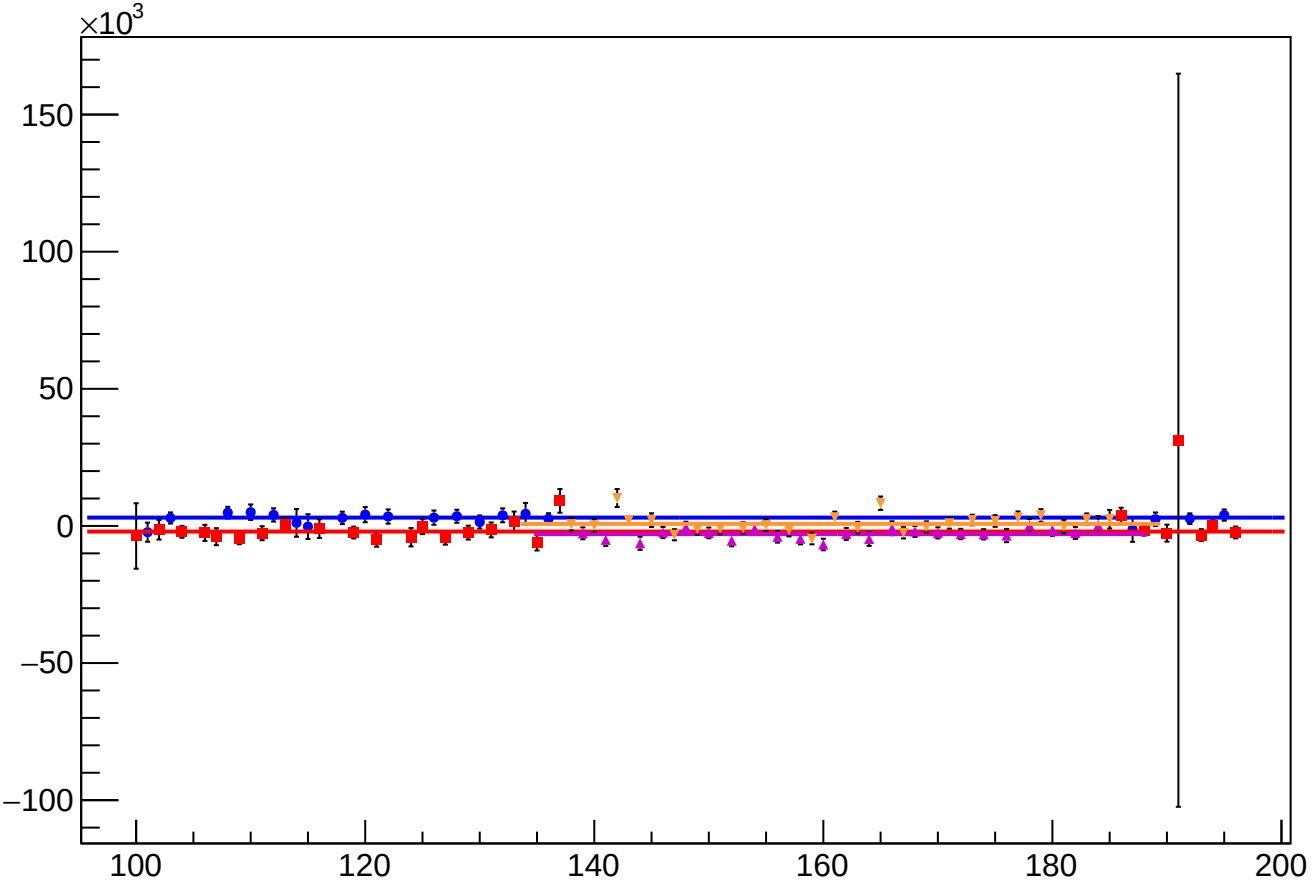
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8497.542+/-1.153 χ^2/NDF: 3374654.3/44

All: 8507.034+/-0.808 χ^2/NDF: 7157577.0/93

- sign 8516.218+/-1.134 χ^2/NDF: 3782789.3/48

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3035.337+/-570.271 χ^2/NDF: 6.6/19

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2048.479+/-526.306 χ^2/NDF: 21.6/25

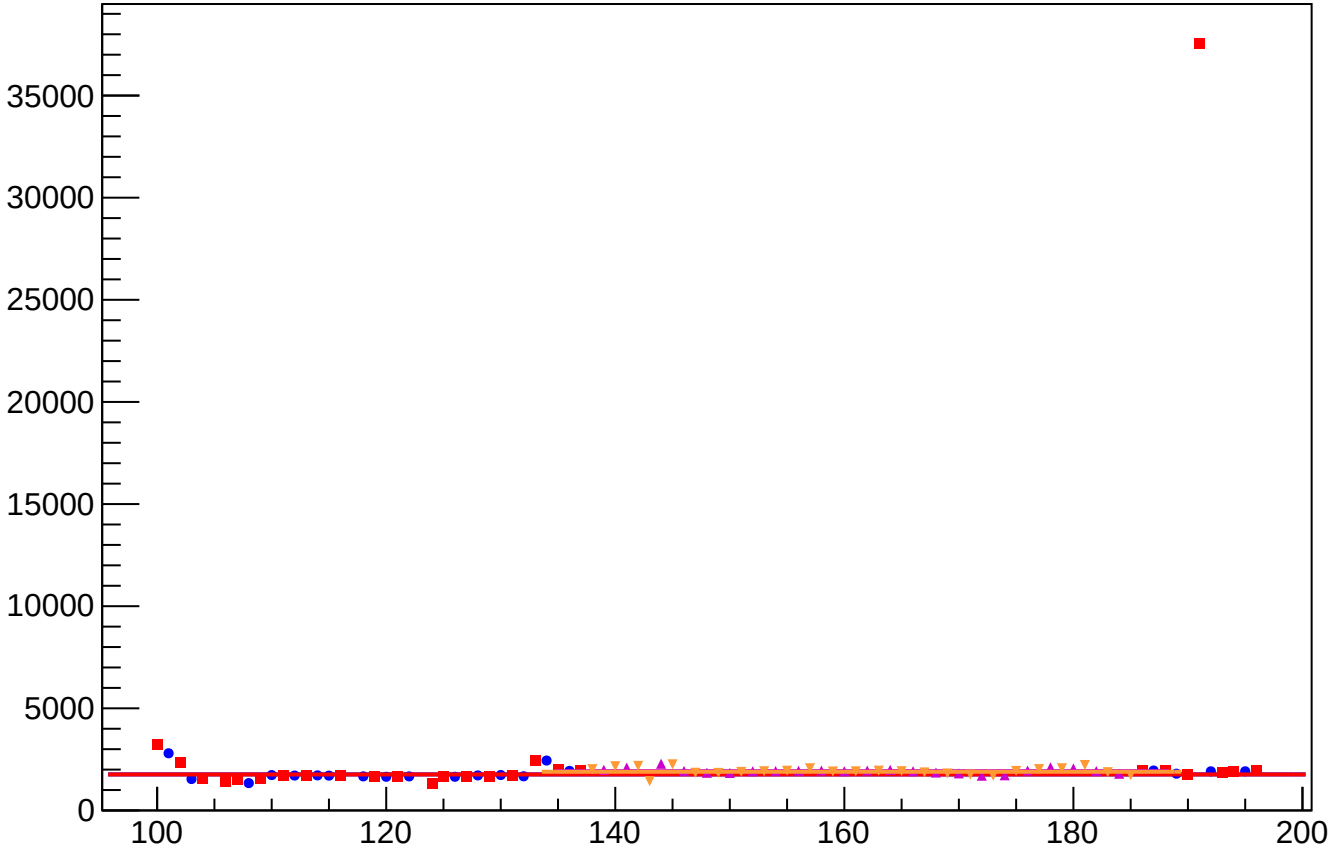
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1578.462+/-344.795 χ^2/NDF: 58.5/44

All: -519.580+/-242.874 χ^2/NDF: 171.0/93

- sign -2585.818+/-342.172 χ^2/NDF: 39.0/48

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1764.648+/-0.403 χ^2/NDF: 399702.5/19

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

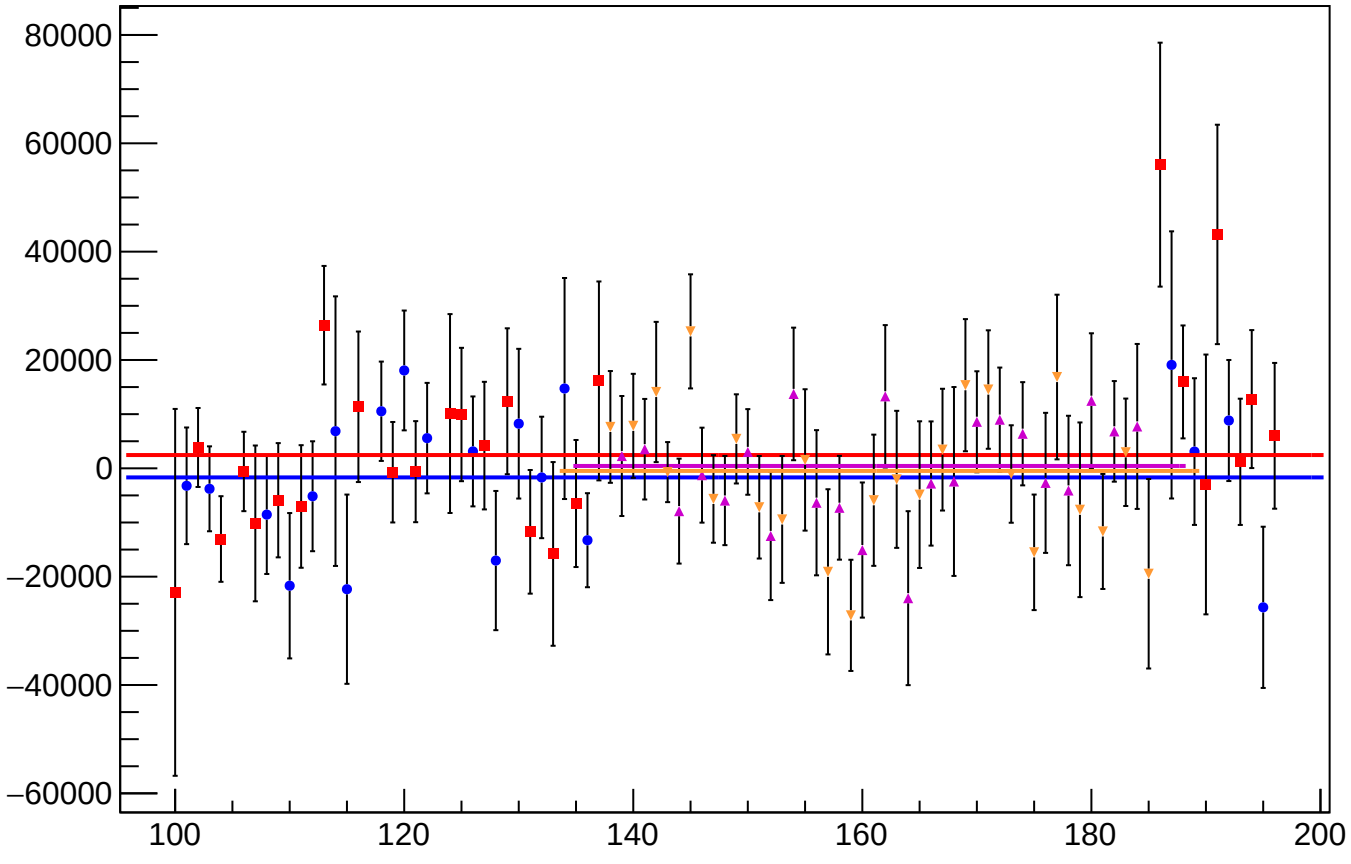
Right Out: 1762.595+/-0.372 χ^2/NDF: 511265.4/25

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1847.150+/-0.244 χ^2/NDF: 834276.1/44

All: 1851.208+/-0.172 χ^2/NDF: 1604415.3/93

- sign 1855.204+/-0.242 χ^2/NDF: 769589.3/48



Right In: -1676.723+/-2605.300 χ^2/NDF: 18.7/19

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2452.129+/-2290.005 χ^2/NDF: 29.3/25

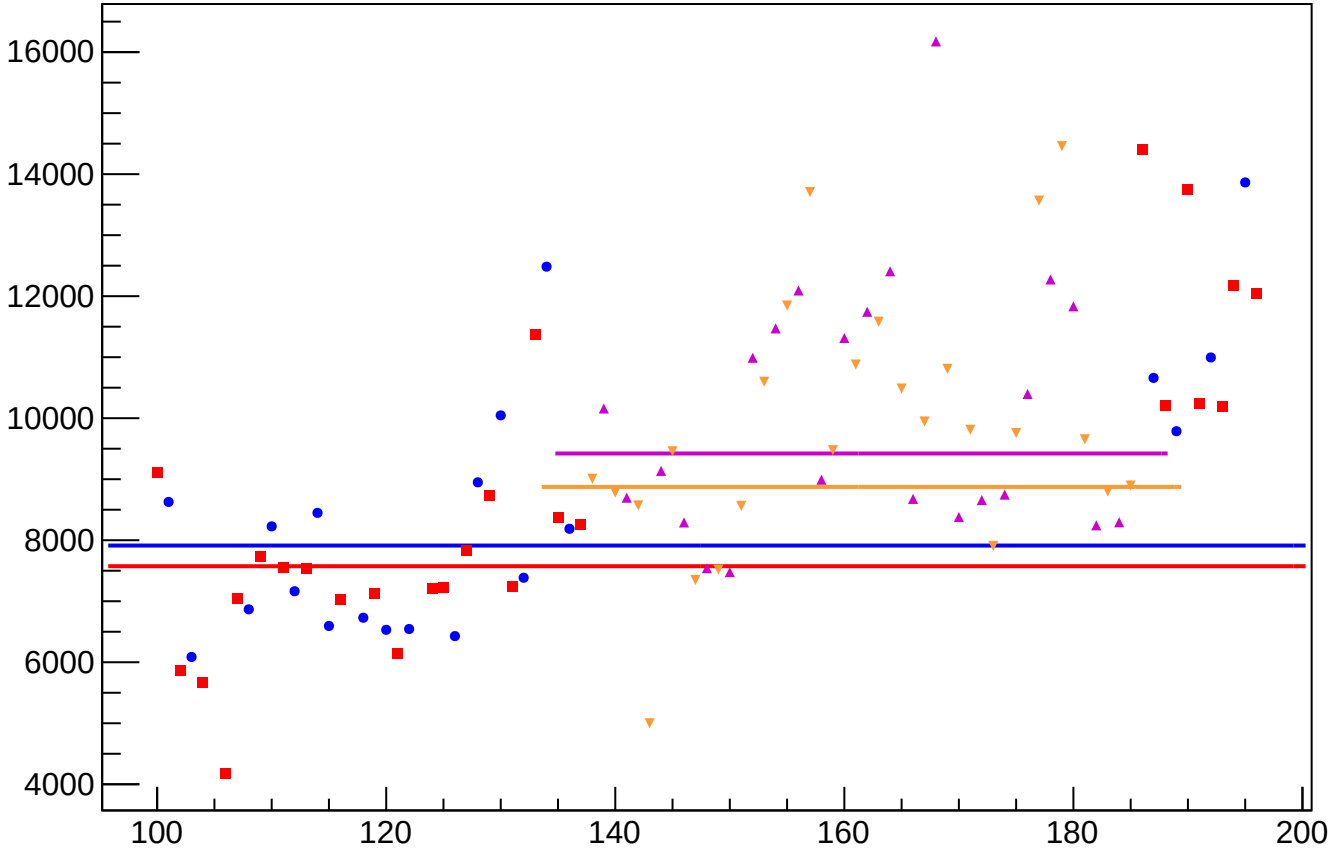
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -947.980+/-1629.895 χ^2/NDF: 47.7/44

All: 257.854+/-1142.953 χ^2/NDF: 92.0/93

- sign 1424.508+/-1603.196 χ^2/NDF: 43.2/48

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7912.751+/-1.842 χ^2/NDF: 1005859.7/19

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7574.194+/-1.619 χ^2/NDF: 1914213.6/25

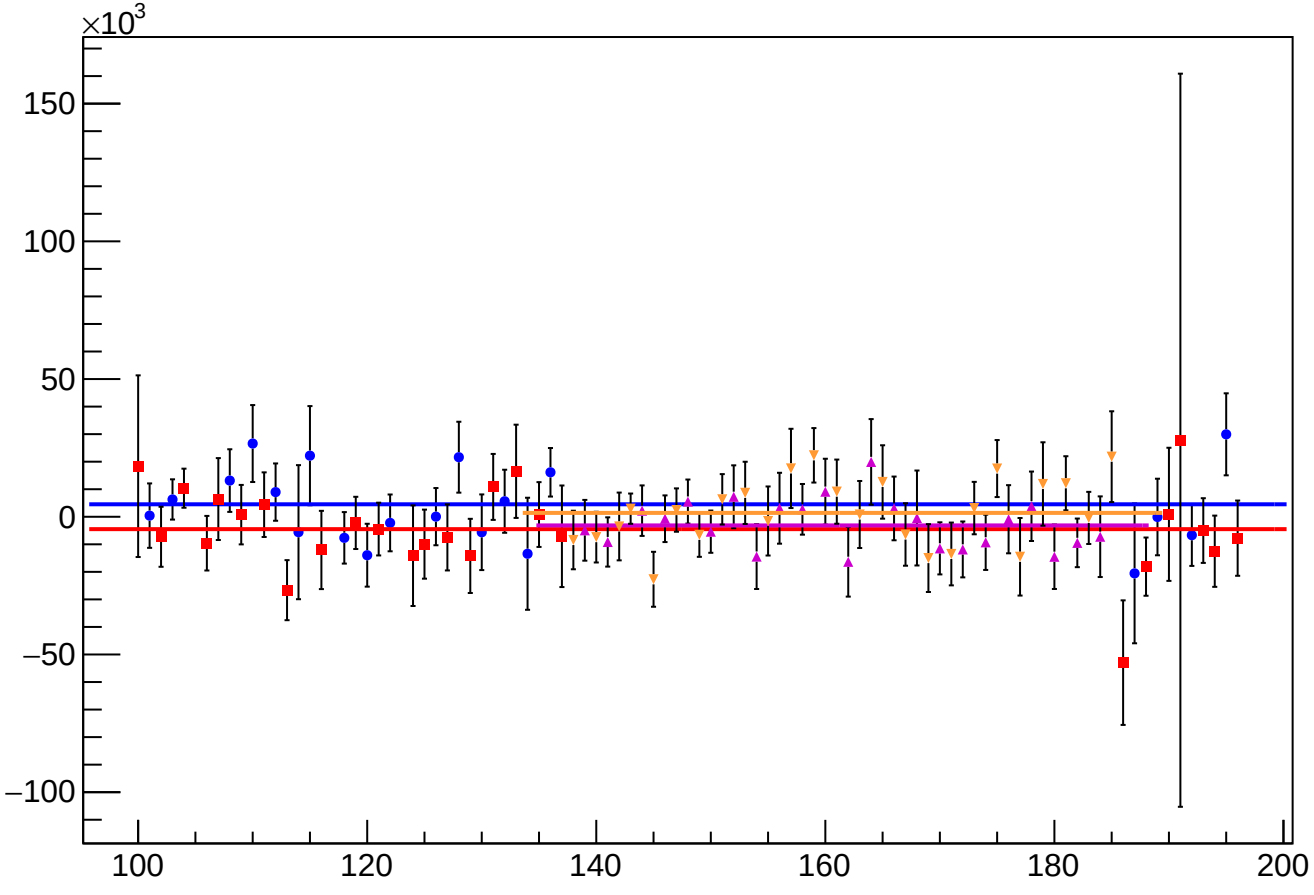
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8497.543+/-1.153 χ^2/NDF: 3374678.0/44

All: 8507.033+/-0.808 χ^2/NDF: 7157633.7/93

- sign 8516.215+/-1.134 χ^2/NDF: 3782822.4/48

asym_at2_avg_mean vs Slug



Right In: 4531.967+/-2633.193 χ^2/NDF: 19.3/19

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4492.932+/-2433.265 χ^2/NDF: 22.3/25

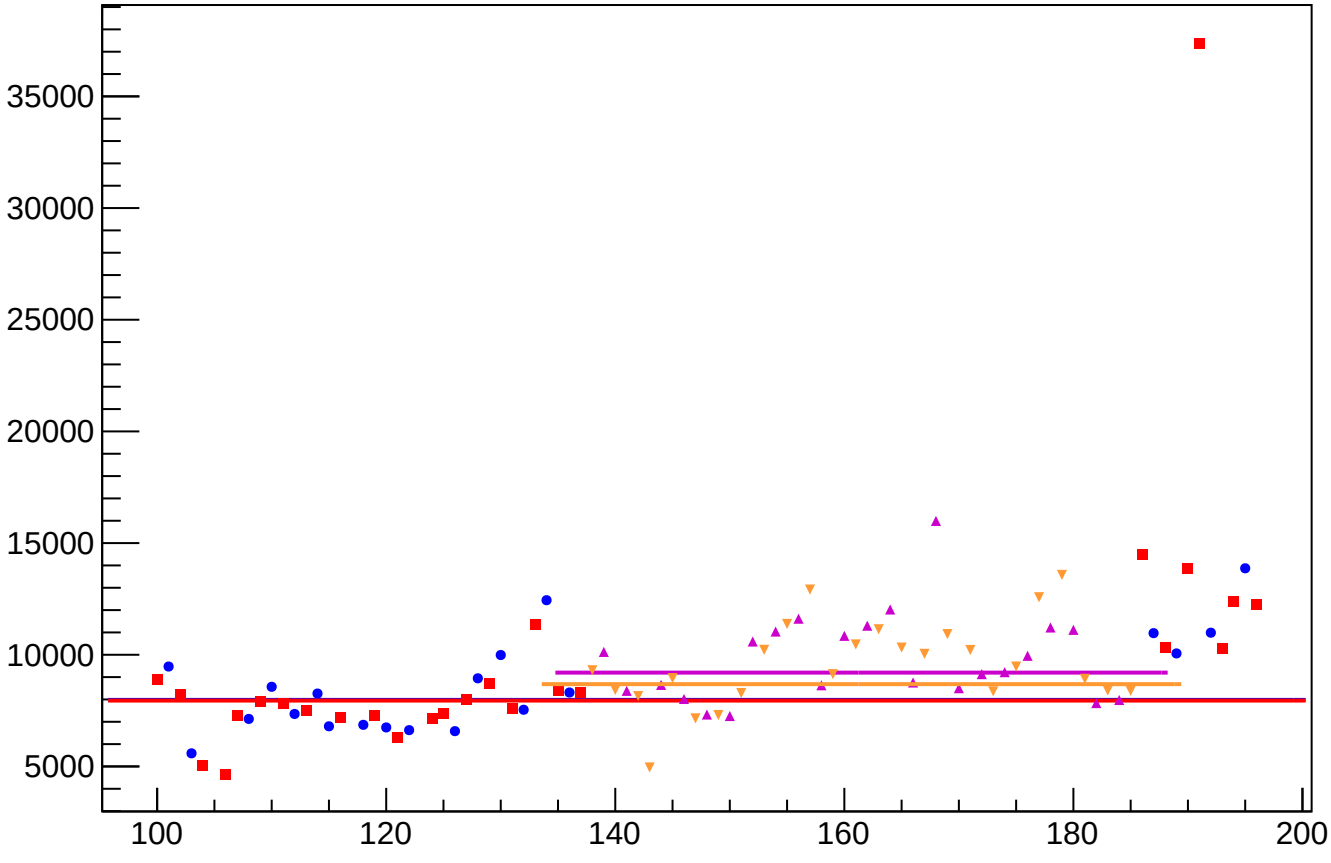
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2579.861+/-1612.616 χ^2/NDF: 47.7/44

All: -553.324+/-1145.543 χ^2/NDF: 90.7/93

- sign -3744.904+/-1627.574 χ^2/NDF: 35.4/48

asym_at2_avg_rms vs Slug



Right In: 7979.309+/-1.862 χ^2/NDF: 1087596.7/19

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7949.729+/-1.720 χ^2/NDF: 1743265.1/25

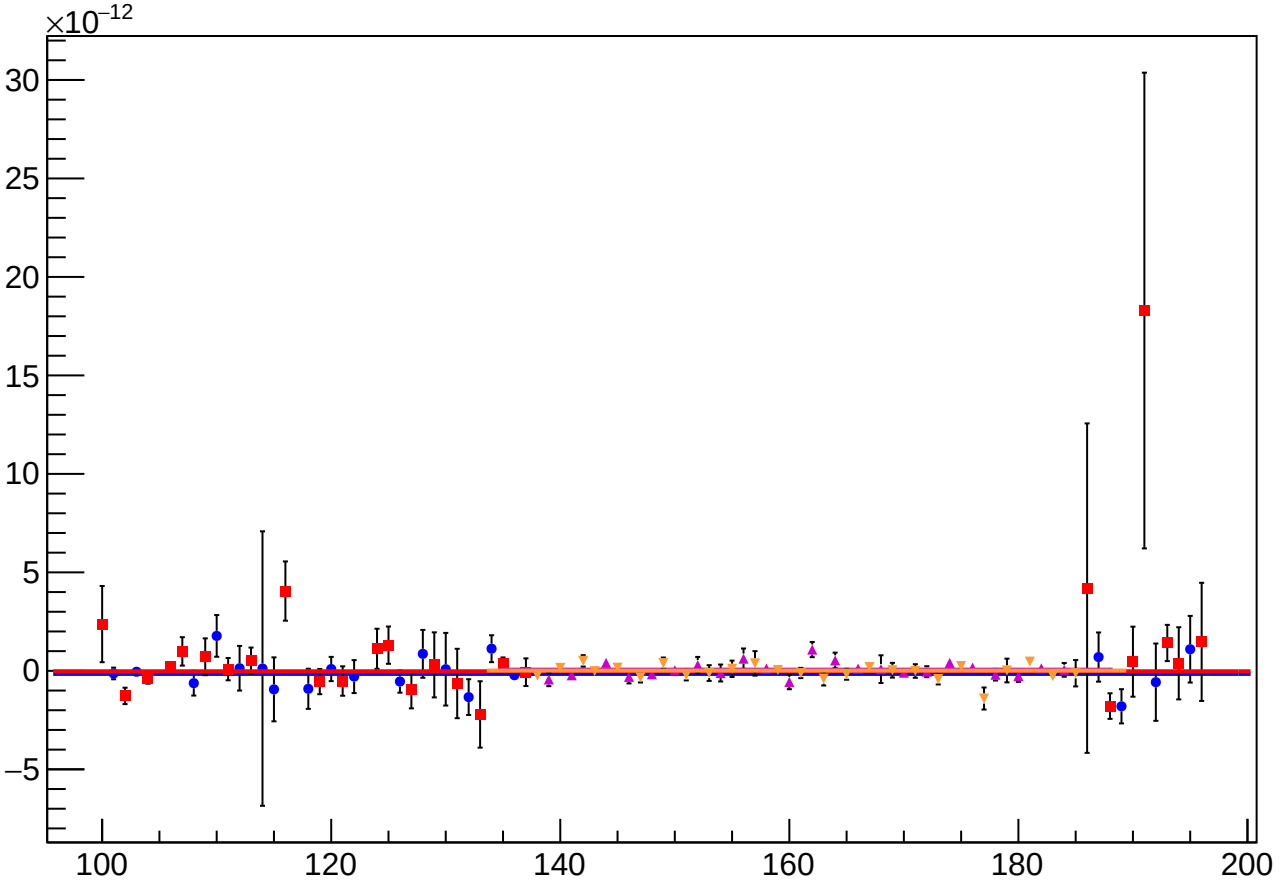
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8420.042+/-1.140 χ^2/NDF: 3228875.8/44

All: 8529.513+/-0.810 χ^2/NDF: 6412346.5/93

- 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: 16.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/25

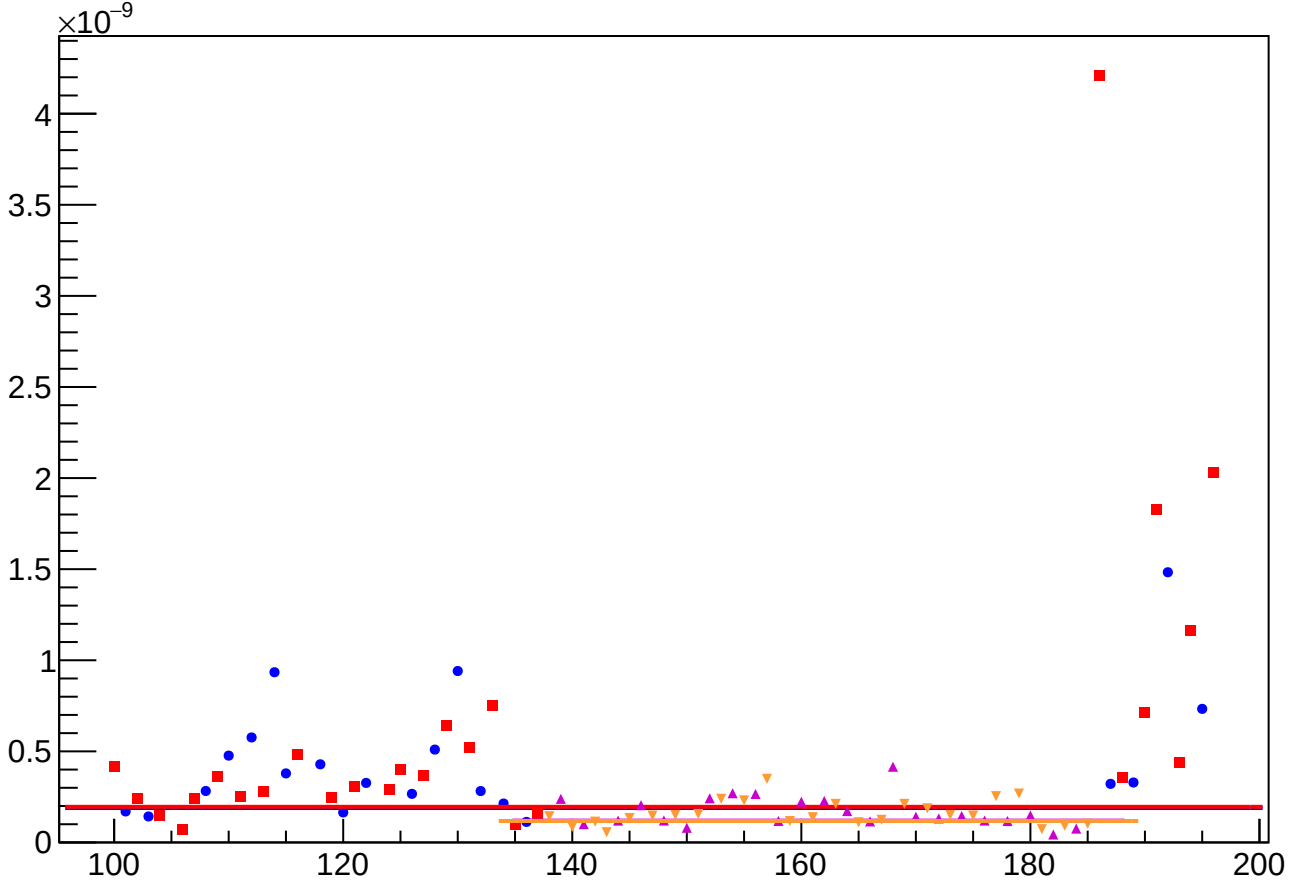
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/44

All: 0.000+/-0.000 χ^2/NDF: 121.4/93

- 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: 2699119.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3936758.9/25

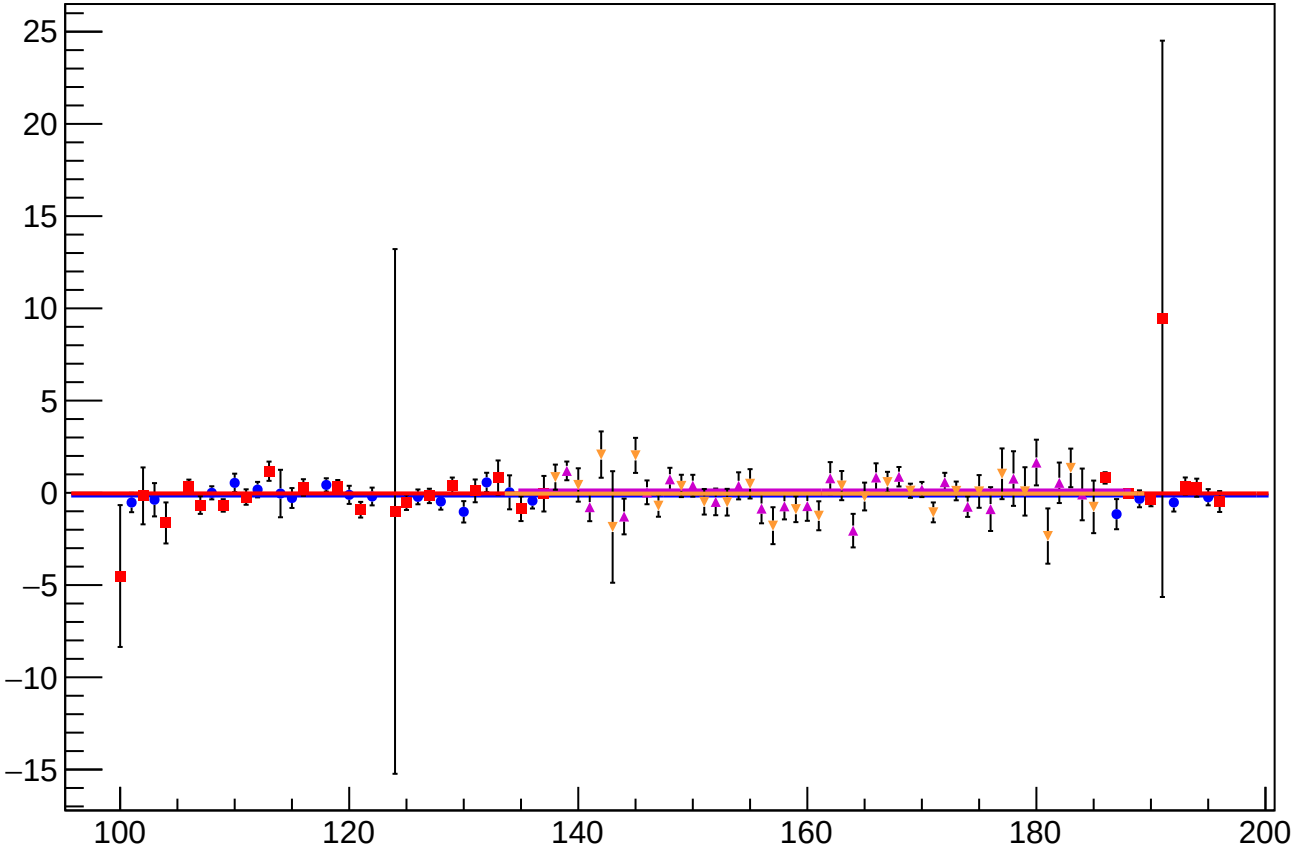
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5662061.1/44

All: 0.000+/-0.000 χ^2/NDF: 12944601.0/93

- sign 0.000+/-0.000 χ^2/NDF: 7276046.7/48

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

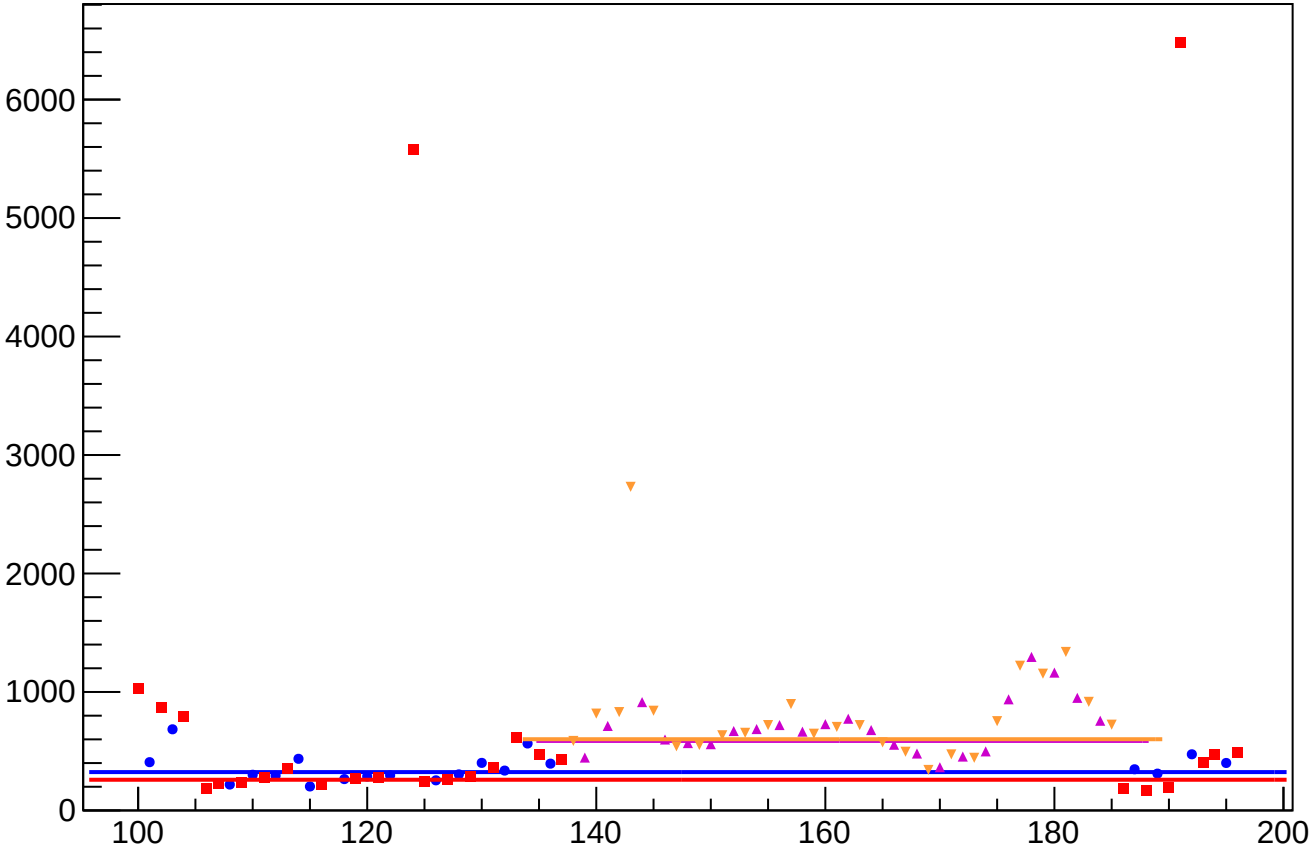
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.039+/-0.057 χ^2/NDF: 111.3/93

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 323.806+/-0.078 χ^2/NDF: 1294111.5/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 259.143+/-0.061 χ^2/NDF: 3906190.1/25

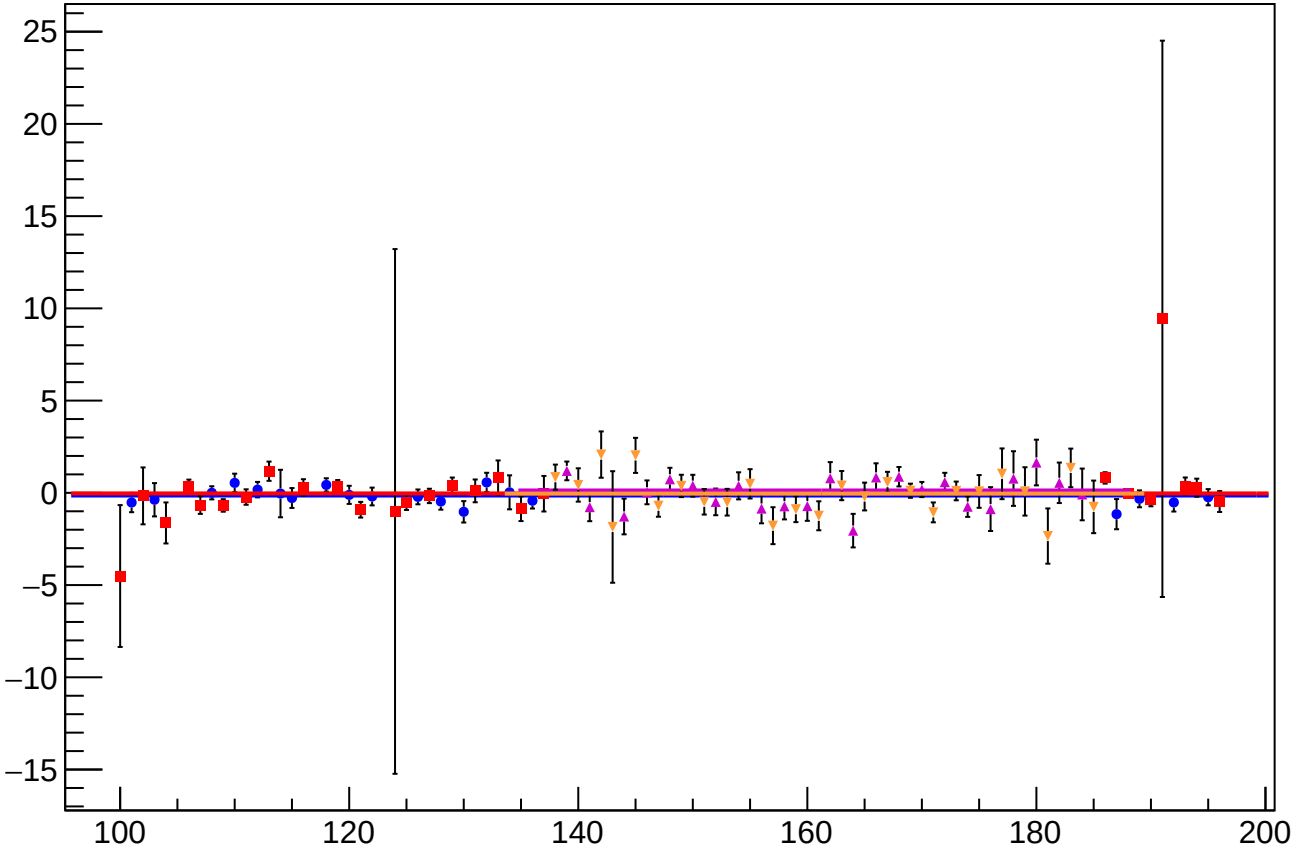
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

\+ sign 422.750+/-0.062 χ^2/NDF: 10304644.0/44

All: 377.131+/-0.040 χ^2/NDF: 25586565.8/93

\- sign 344.755+/-0.052 χ^2/NDF: 14365091.9/48

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

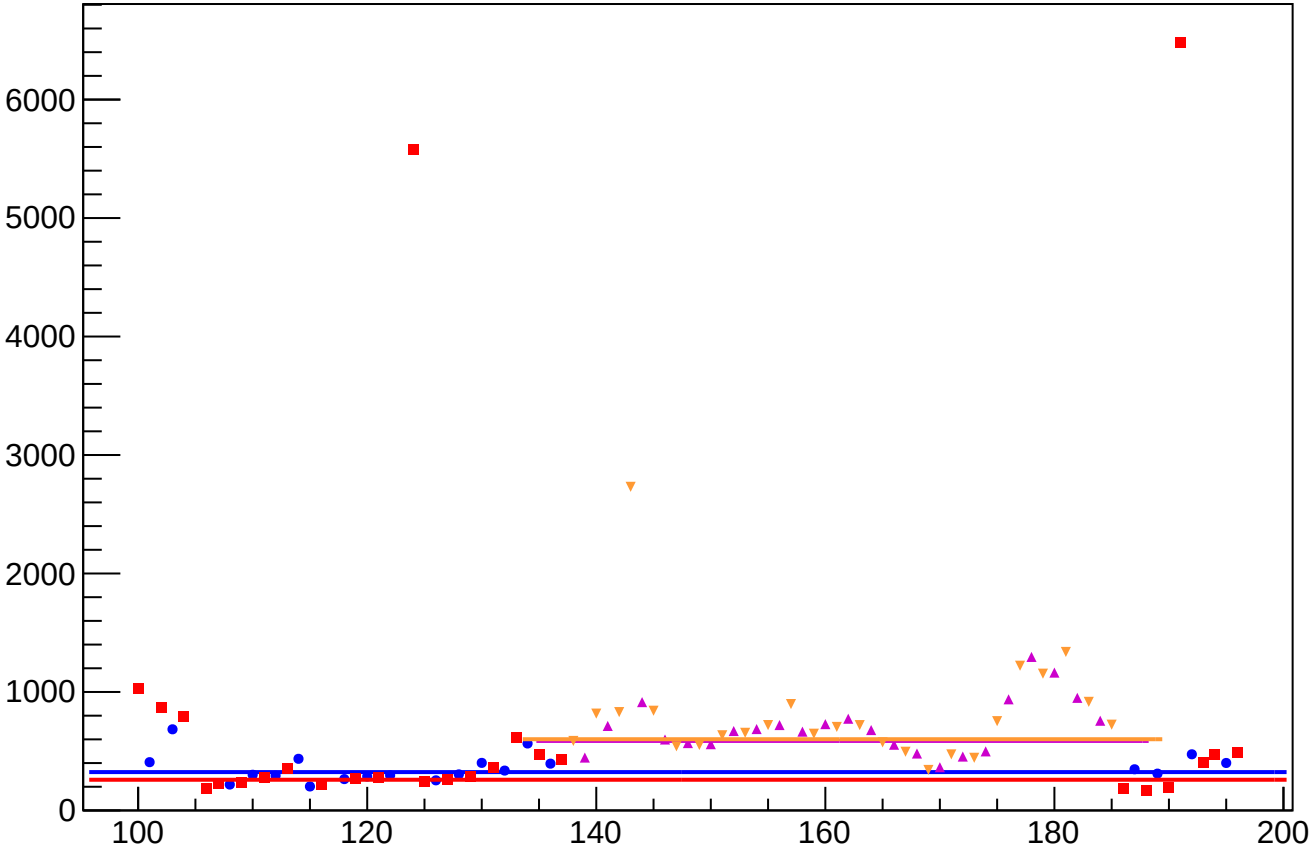
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.039+/-0.057 χ^2/NDF: 111.3/93

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 323.806+/-0.078 χ^2/NDF: 1294111.5/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

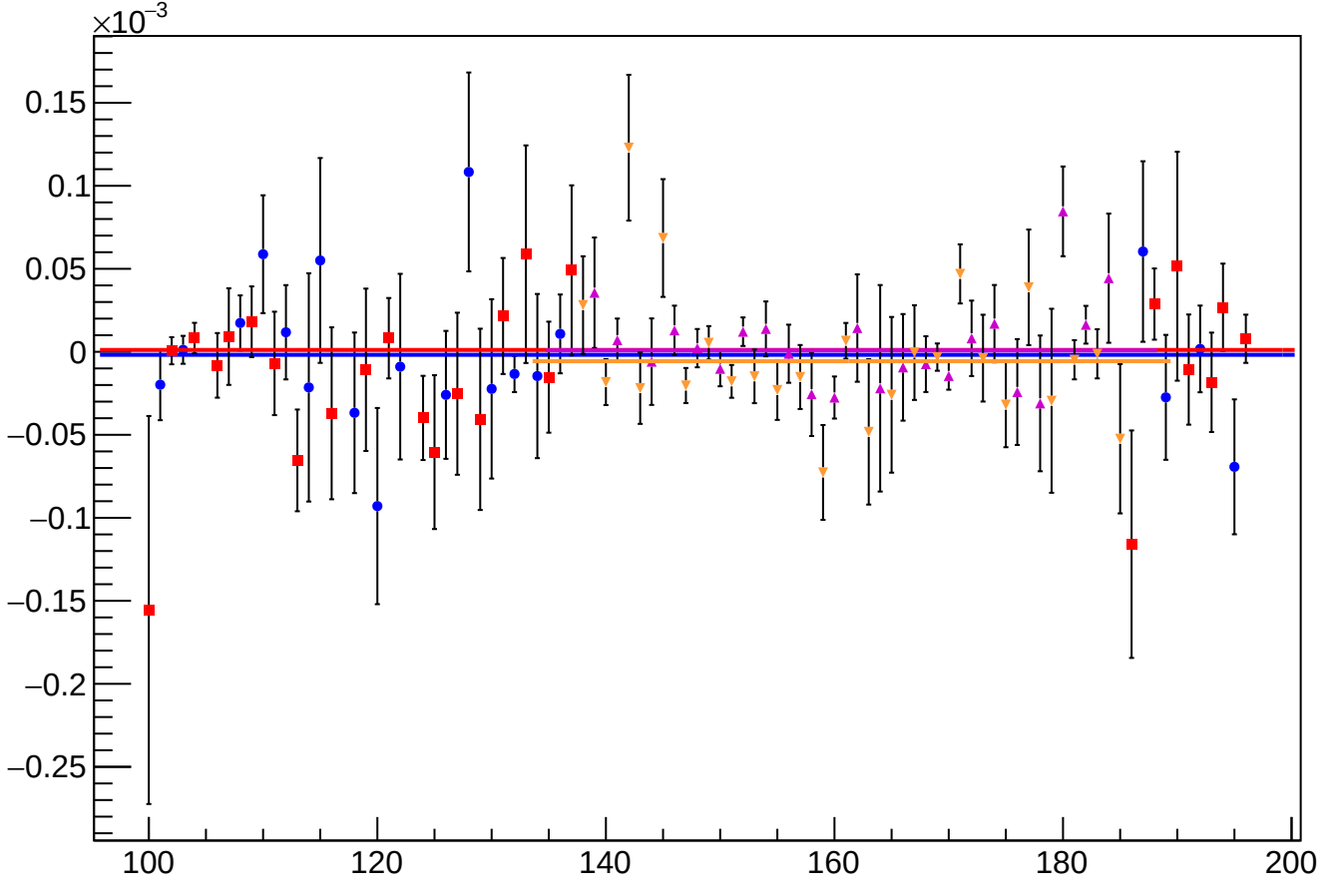
Right Out: 259.143+/-0.061 χ^2/NDF: 3906190.1/25

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 422.750+/-0.062 χ^2/NDF: 10304644.0/44

All: 377.131+/-0.040 χ^2/NDF: 25586565.8/93

- sign 344.755+/-0.052 χ^2/NDF: 14365091.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/25

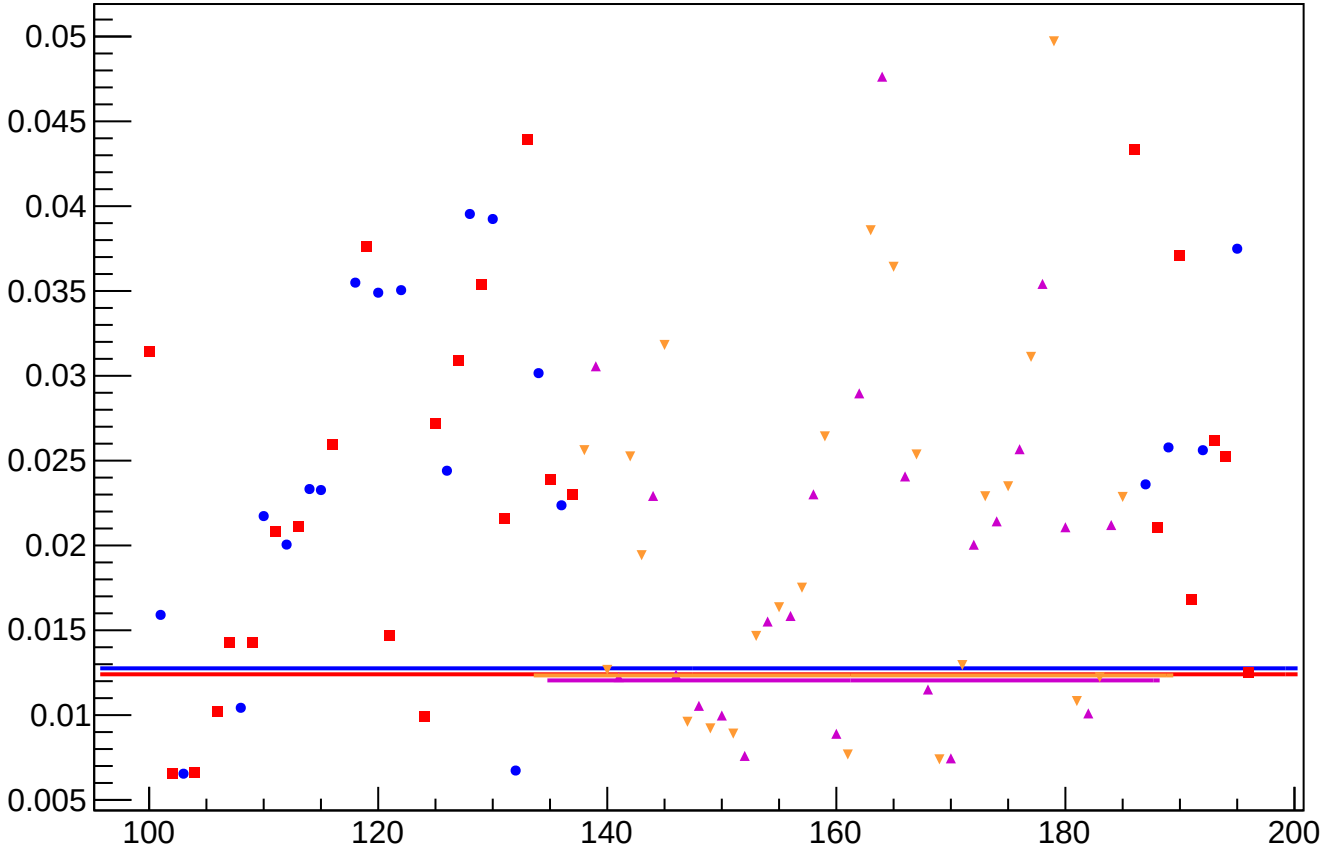
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.1/44

All: -0.000+/-0.000 χ^2/NDF: 117.5/93

- 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: 6368760.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 6619923.3/25

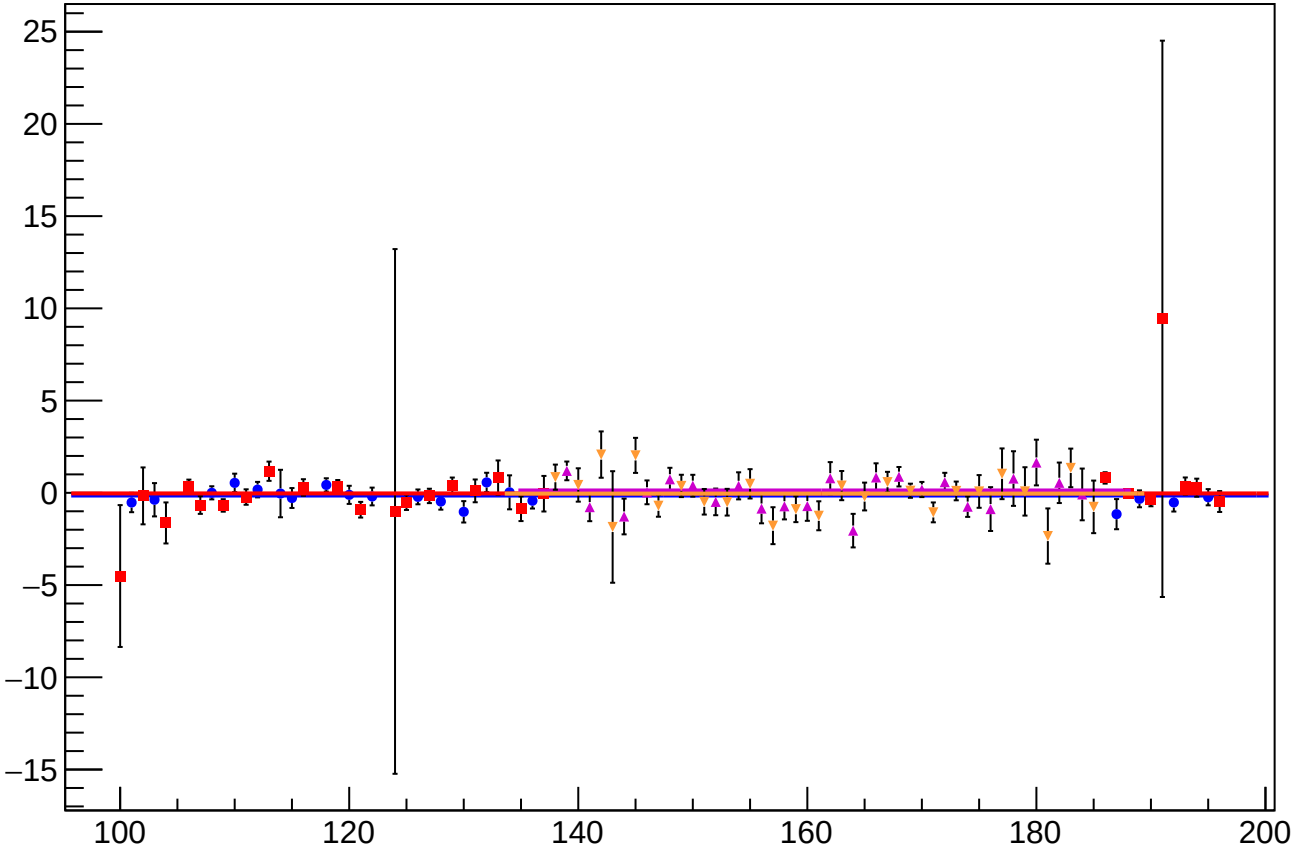
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 14217401.0/44

All: 0.012+/-0.000 χ^2/NDF: 27236734.9/93

- sign 0.012+/-0.000 χ^2/NDF: 13008109.2/48

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

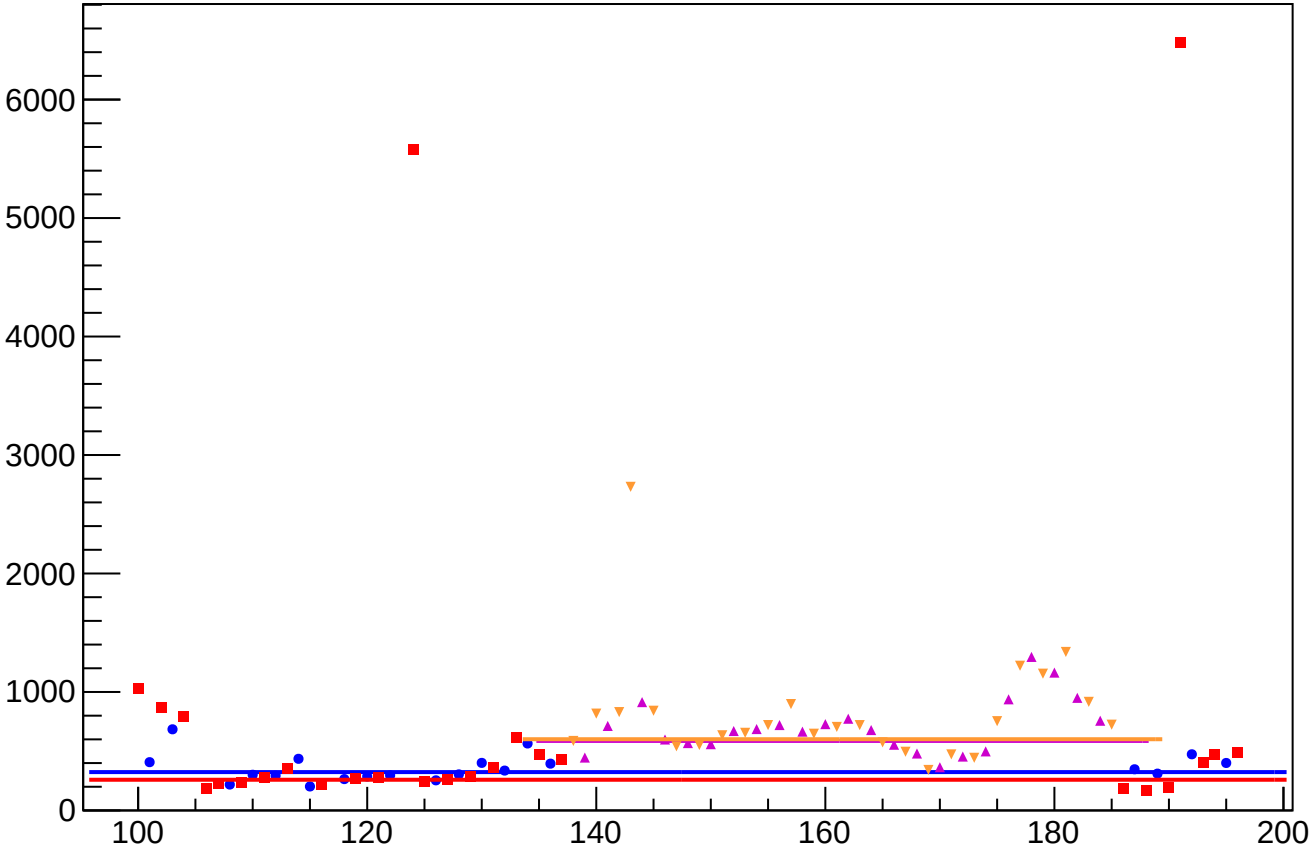
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.039+/-0.057 χ^2/NDF: 111.3/93

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 323.804+/-0.078 χ^2/NDF: 1294073.6/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

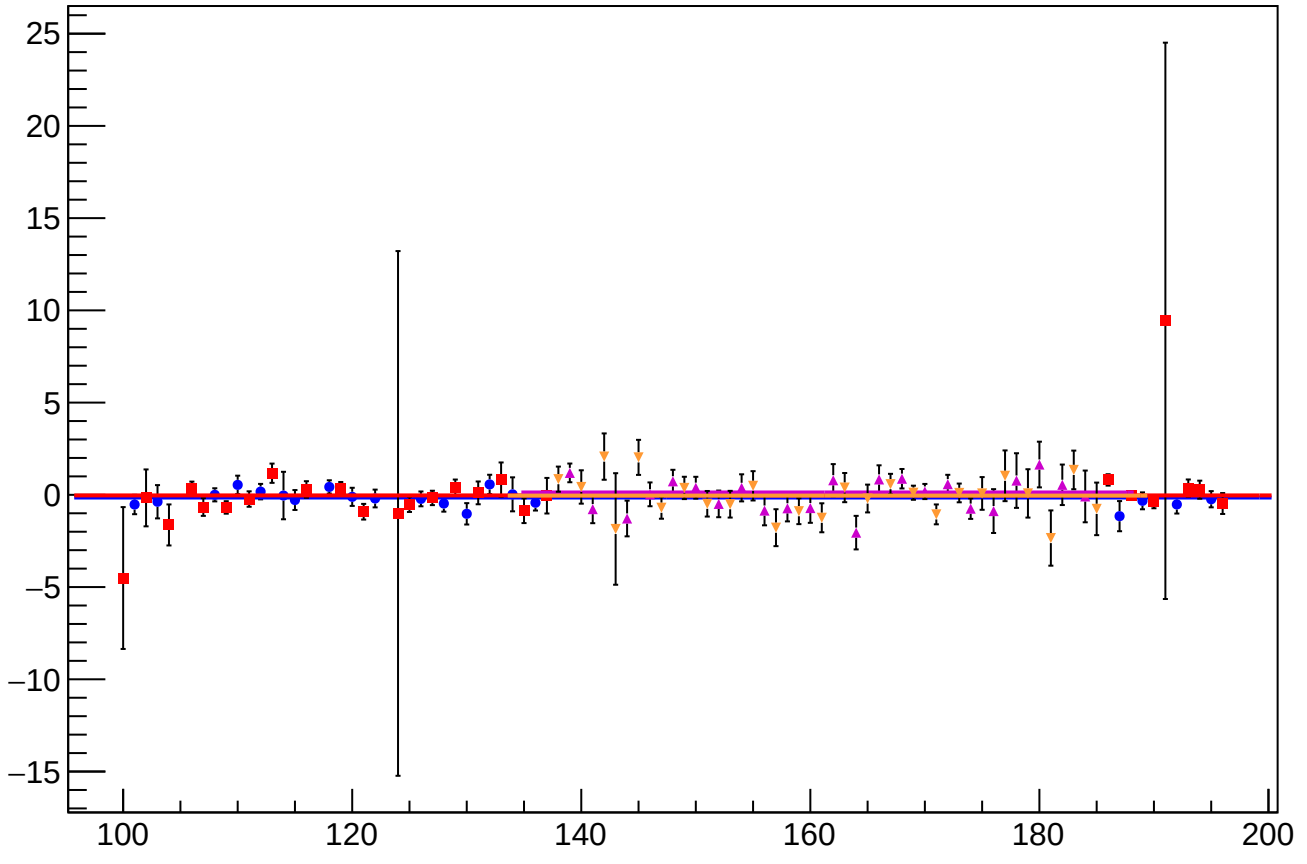
Right Out: 259.136+/-0.061 χ^2/NDF: 3906400.2/25

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 422.748+/-0.062 χ^2/NDF: 10304870.2/44

All: 377.125+/-0.040 χ^2/NDF: 25587729.2/93

- sign 344.748+/-0.052 χ^2/NDF: 14365881.1/48



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

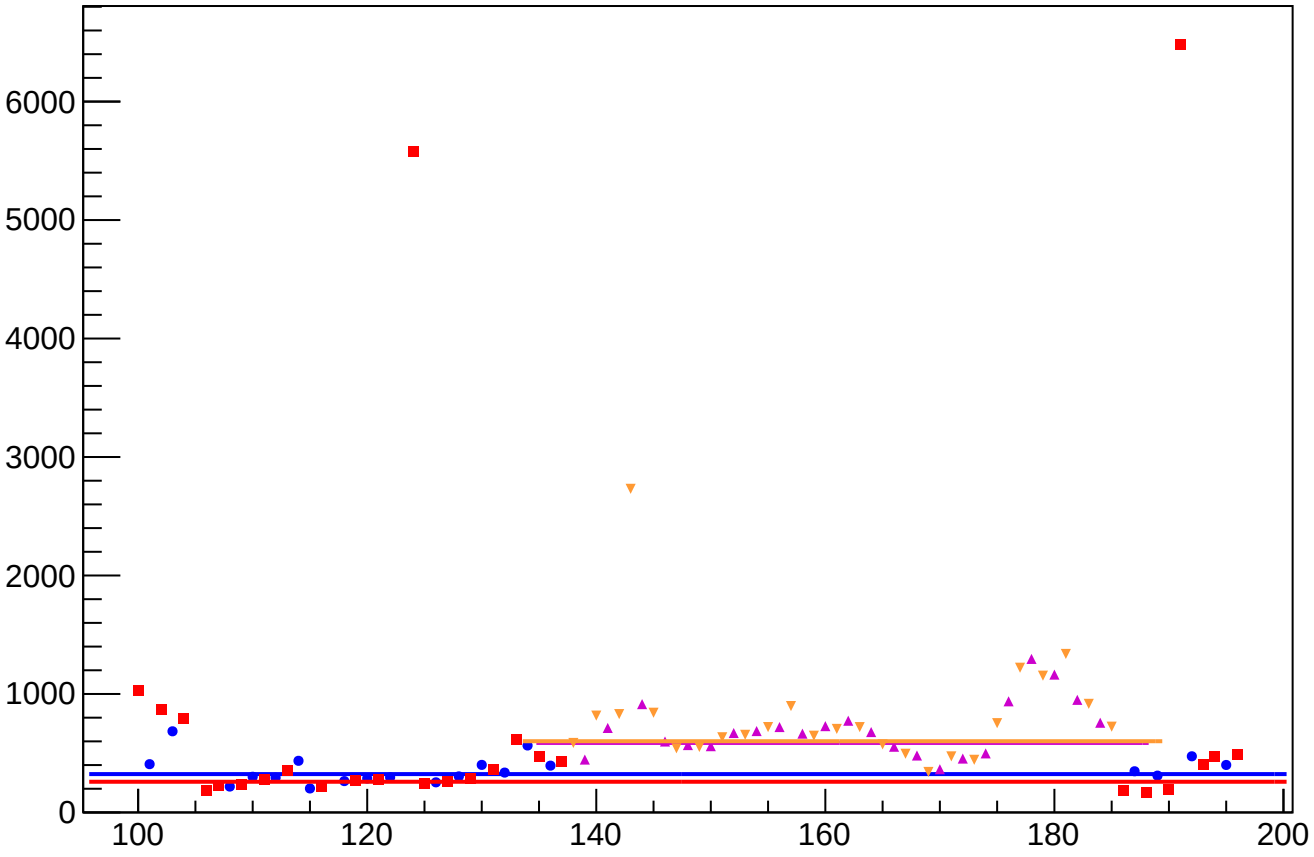
Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.039+/-0.057 χ^2/NDF: 111.3/93

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48



Right In: 323.804+/-0.078 χ^2/NDF: 1294073.6/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

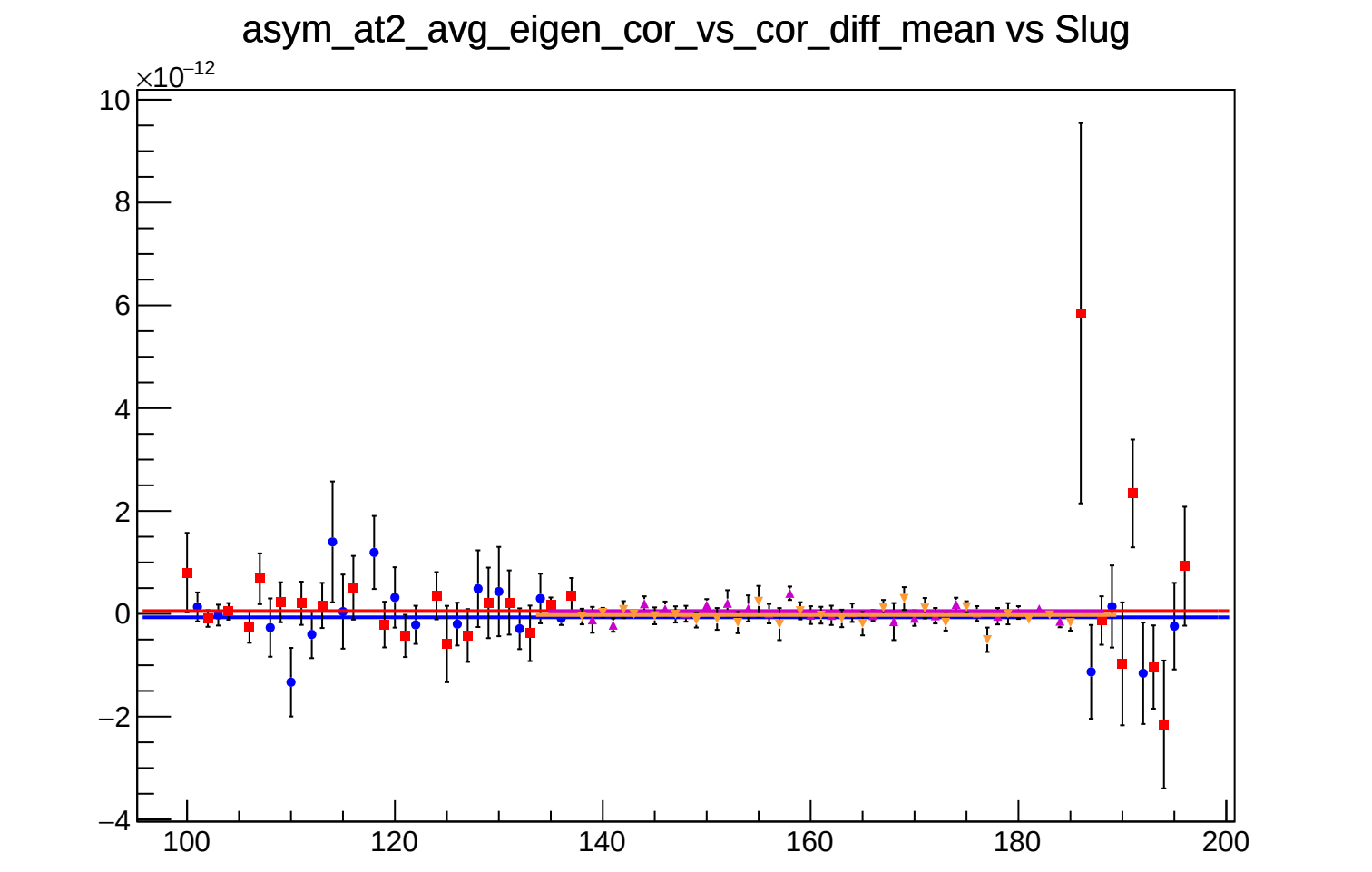
Right Out: 259.136+/-0.061 χ^2/NDF: 3906400.2/25

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 422.748+/-0.062 χ^2/NDF: 10304870.2/44

All: 377.125+/-0.040 χ^2/NDF: 25587729.2/93

- sign 344.748+/-0.052 χ^2/NDF: 14365881.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/25

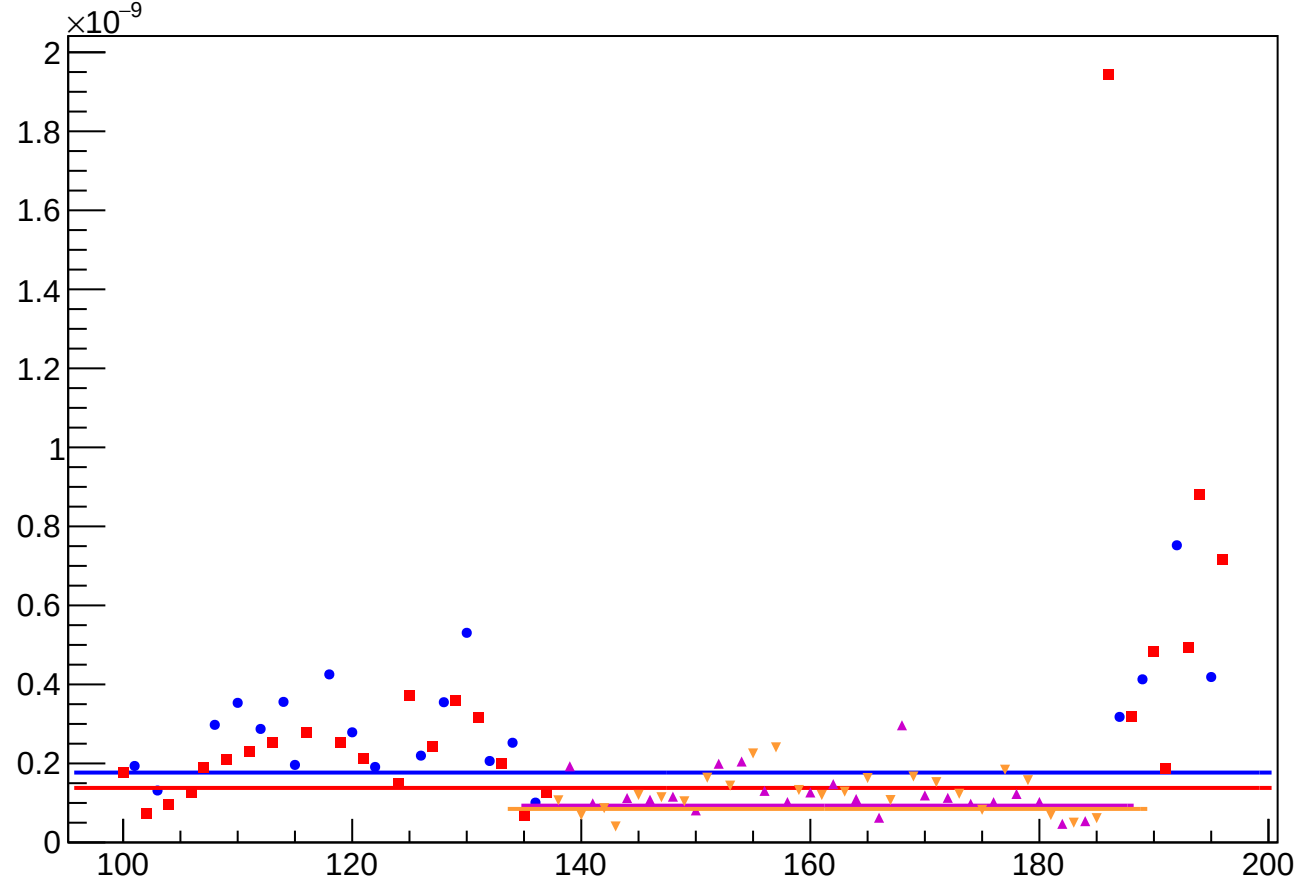
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 82.4/93

- 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: 3082500.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4819155.7/25

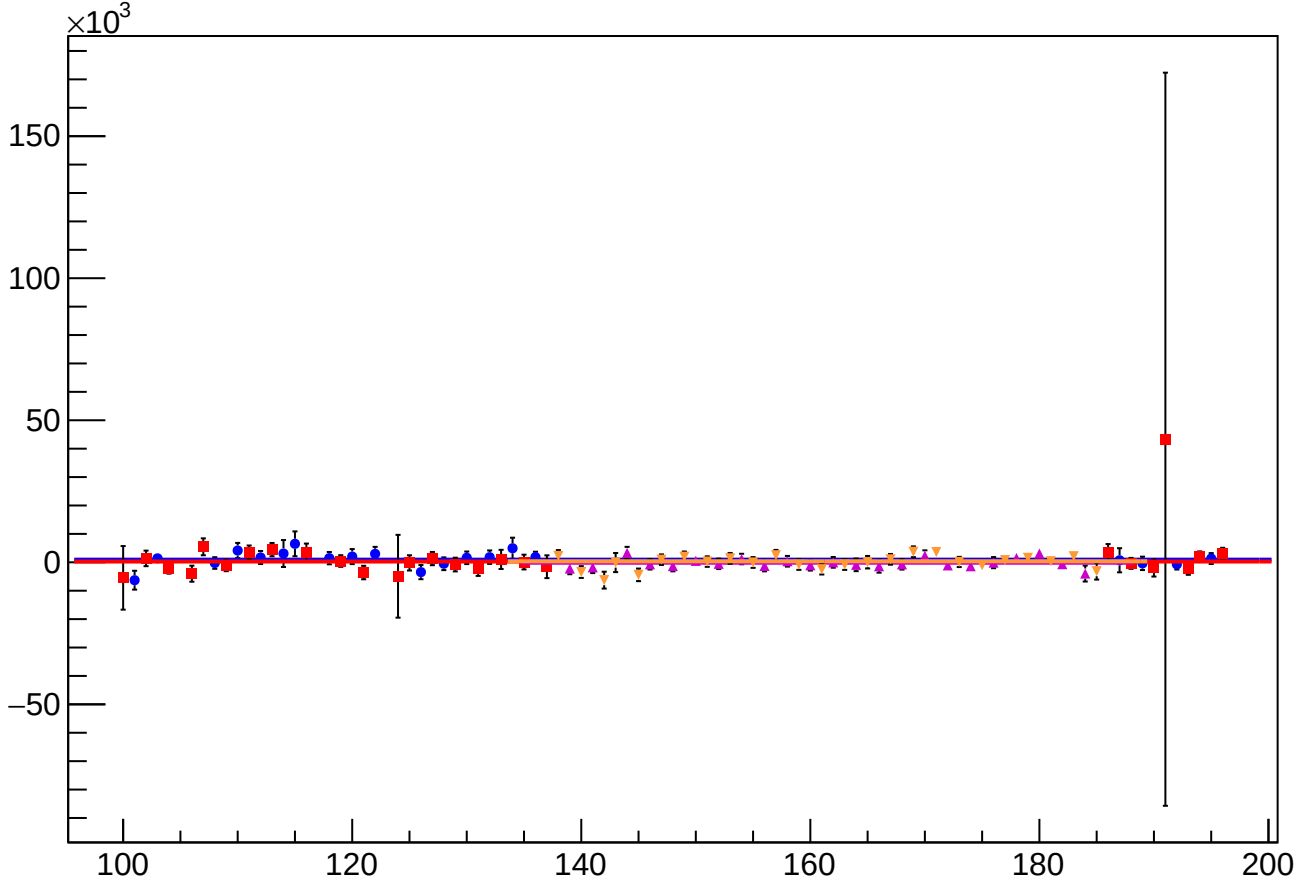
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10700706.6/44

All: 0.000+/-0.000 χ^2/NDF: 20186070.6/93

- sign 0.000+/-0.000 χ^2/NDF: 9419629.0/48

reg_asym_at2_dd_mean vs Slug



Right In: 934.242+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.398+/-498.188 χ^2/NDF: 25.1/25

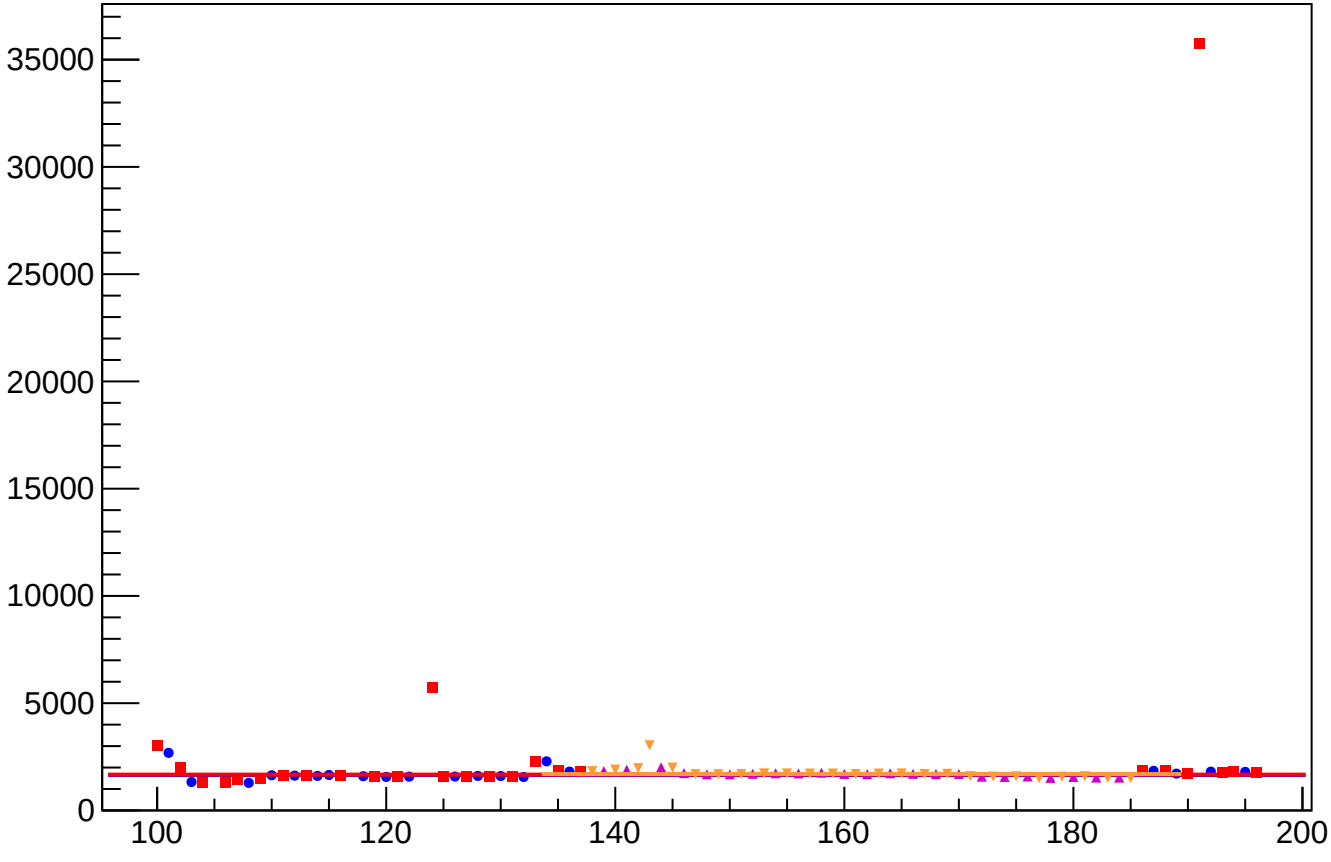
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 559.277+/-314.087 χ^2/NDF: 46.1/44

All: 279.650+/-220.330 χ^2/NDF: 89.2/93

- sign 8.730+/-309.159 χ^2/NDF: 41.5/48

reg_asym_at2_dd_rms vs Slug



Right In: 1653.438+/-0.378 χ^2/NDF: 444236.8/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

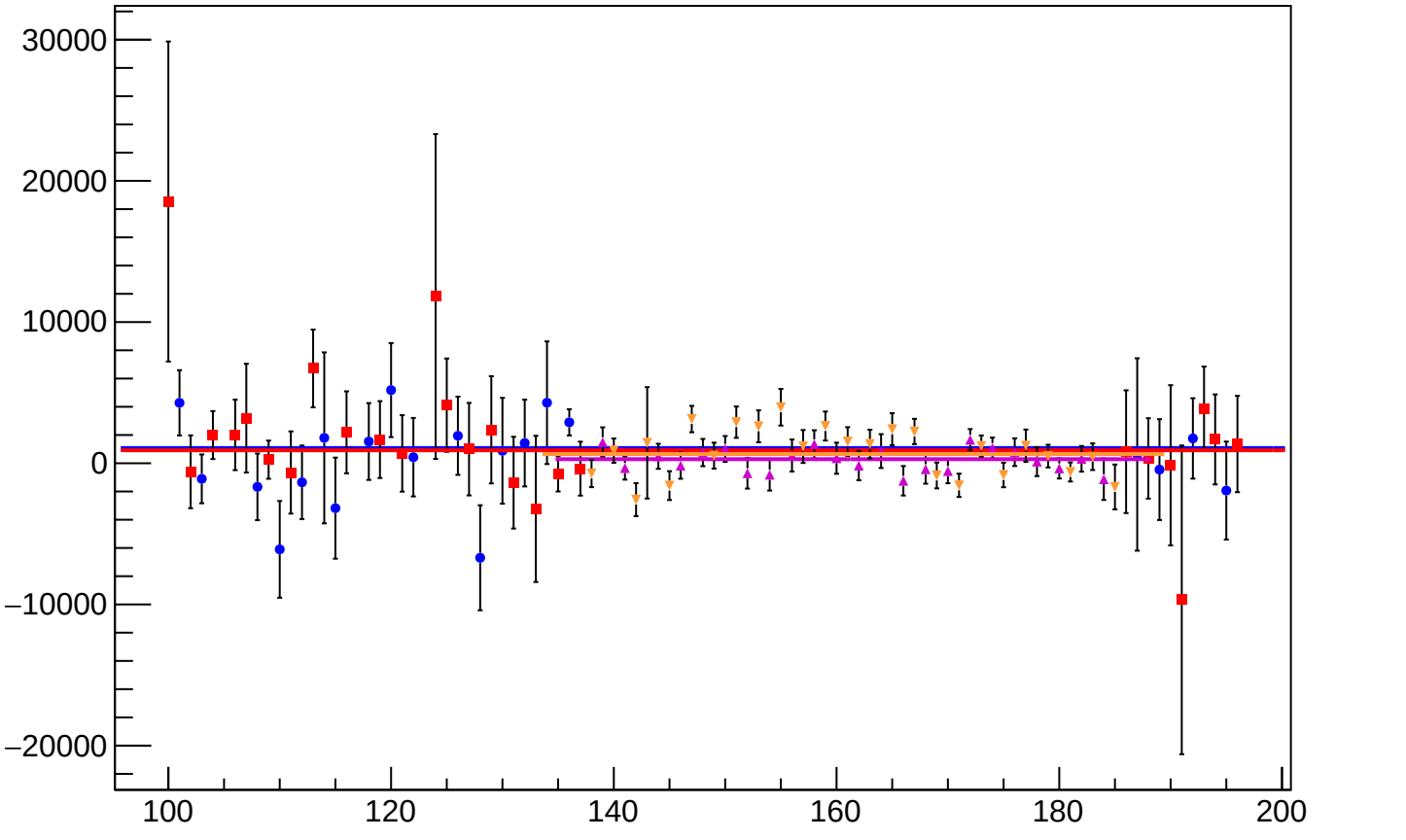
Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.0/25

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.4/44

All: 1680.611+/-0.156 χ^2/NDF: 1768744.4/93

- sign 1678.985+/-0.219 χ^2/NDF: 820102.6/48



Right In: 1076.325+/-551.418 χ^2/NDF: 23.0/19

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 921.051+/-517.700 χ^2/NDF: 16.4/25

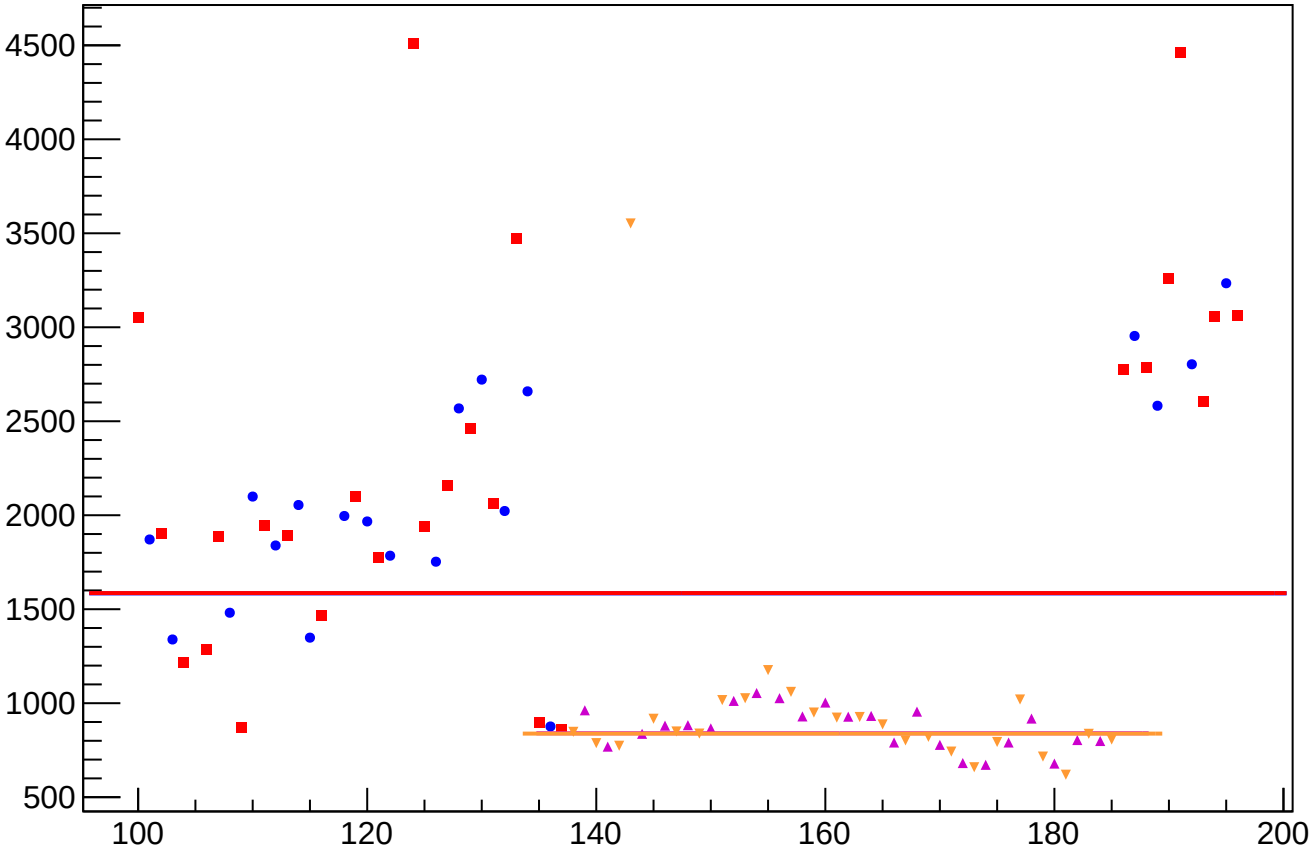
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 696.937+/-184.405 χ^2/NDF: 89.1/44

All: 534.131+/-130.723 χ^2/NDF: 124.8/93

- sign 369.672+/-185.338 χ^2/NDF: 34.2/48

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1584.212+/-0.390 χ^2/NDF: 2952174.2/19

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

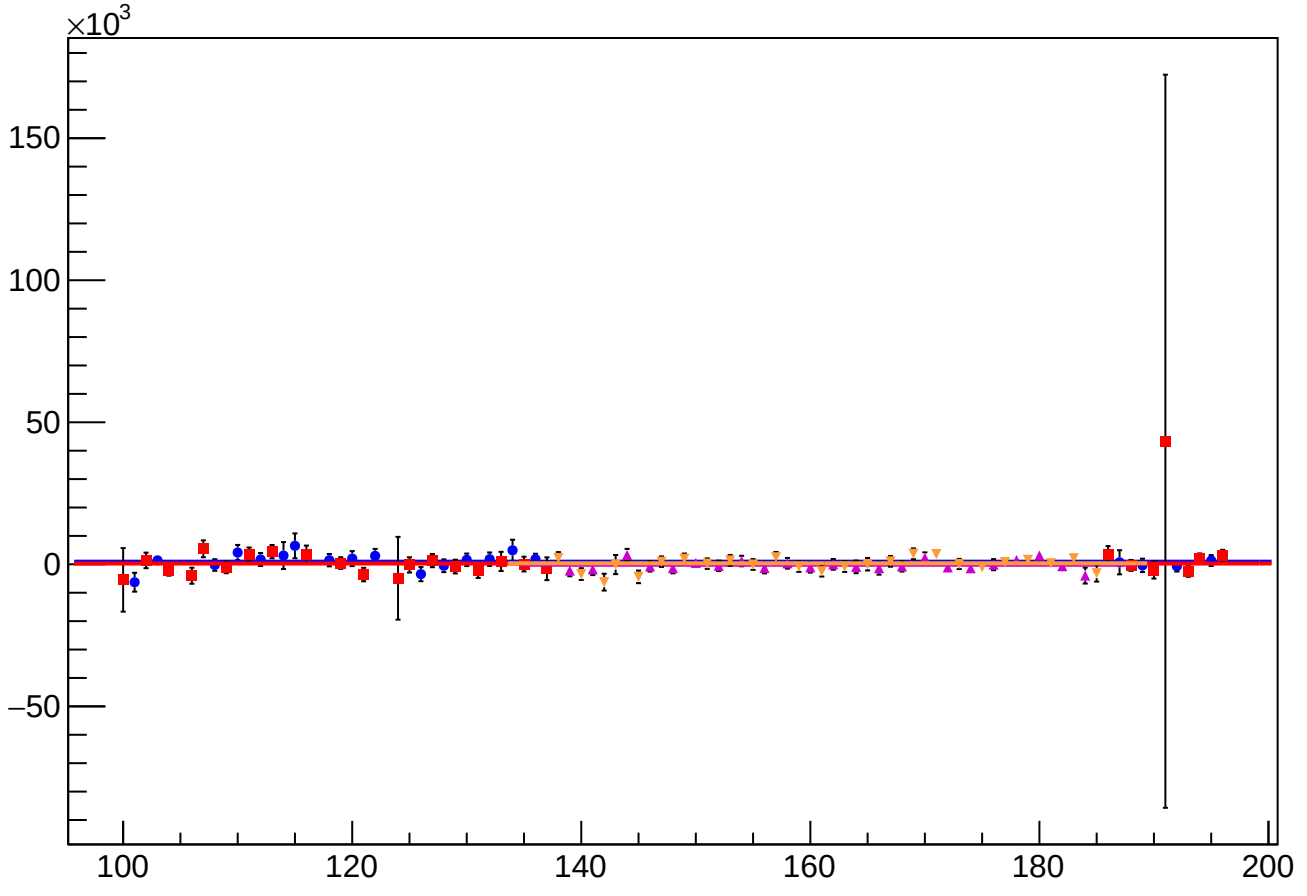
Right Out: 1585.900+/-0.366 χ^2/NDF: 4268589.6/25

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 921.669+/-0.130 χ^2/NDF: 8003319.4/44

All: 928.588+/-0.092 χ^2/NDF: 16566808.0/93

- sign 935.578+/-0.131 χ^2/NDF: 8557828.2/48



Right In: 934.208+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.626+/-498.188 χ^2/NDF: 25.1/25

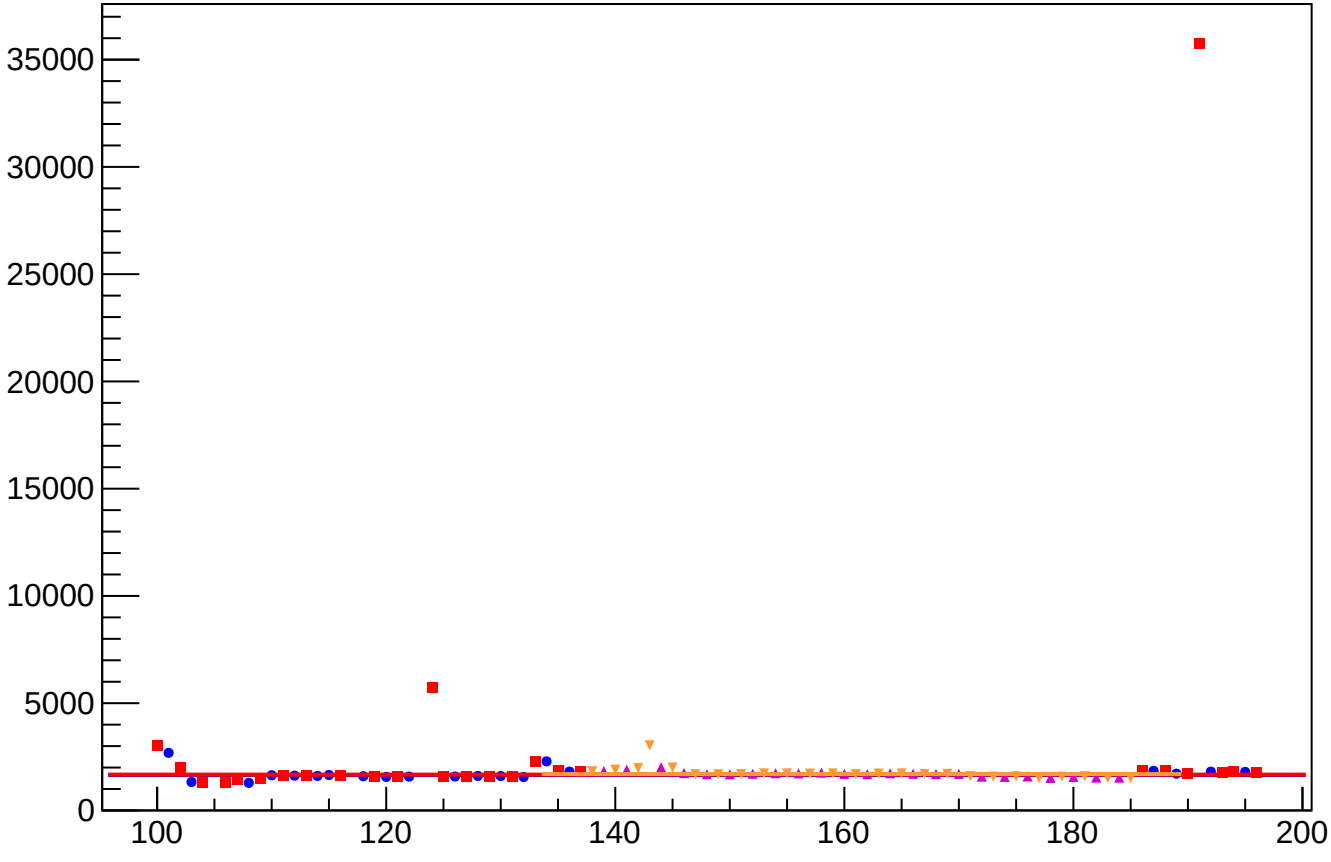
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 559.210+/-314.087 χ^2/NDF: 46.1/44

All: 279.691+/-220.330 χ^2/NDF: 89.2/93

- sign 8.875+/-309.159 χ^2/NDF: 41.5/48

cor_asym_at2_dd_rms vs Slug



Right In: 1653.437+/-0.378 χ^2/NDF: 444237.1/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

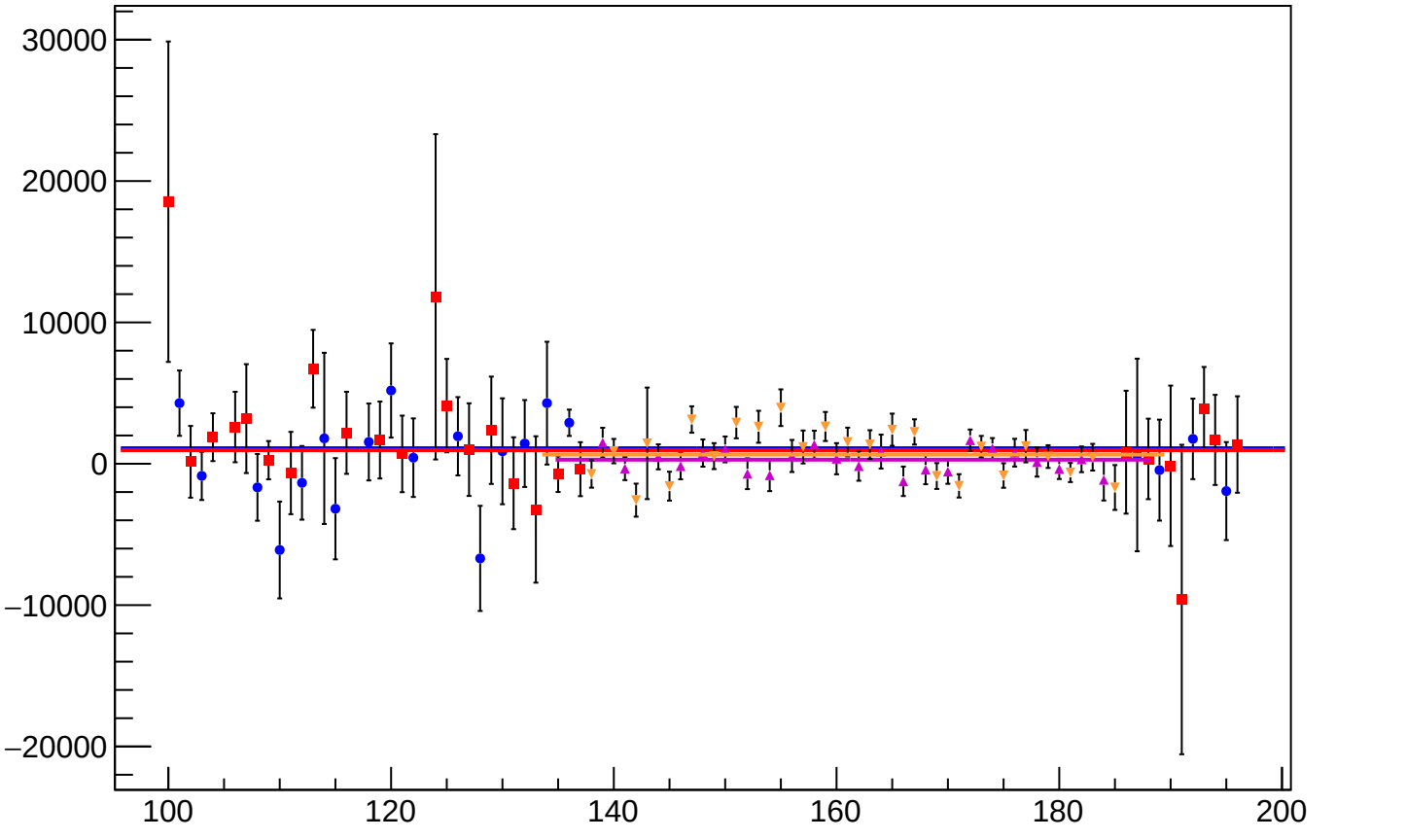
Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.1/25

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.7/44

All: 1680.611+/-0.156 χ^2/NDF: 1768744.9/93

- sign 1678.985+/-0.219 χ^2/NDF: 820102.7/48



Right In: 1097.325+/-550.708 χ^2/NDF: 22.7/19

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 965.607+/-517.083 χ^2/NDF: 16.3/25

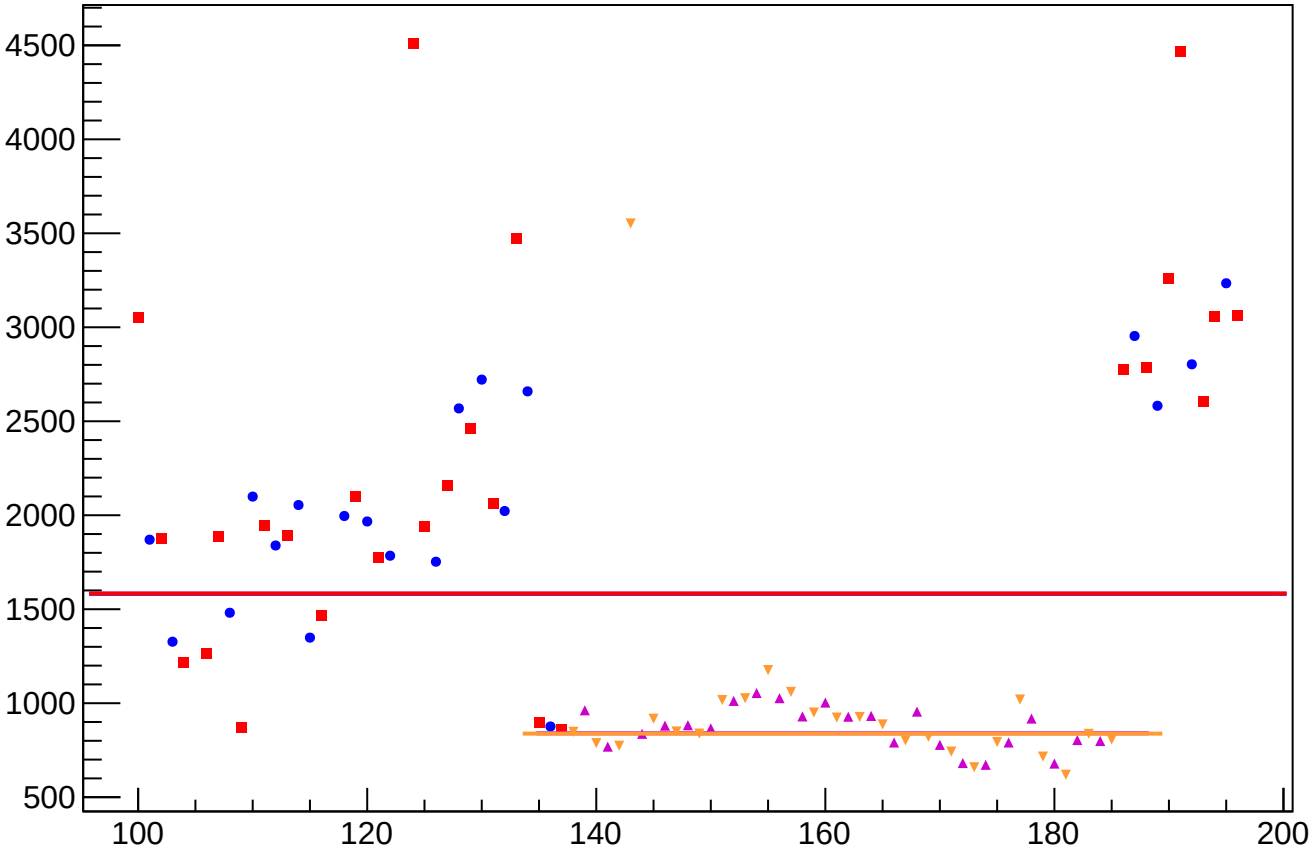
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 699.401+/-184.380 χ^2/NDF: 88.8/44

All: 538.291+/-130.704 χ^2/NDF: 124.7/93

- sign 375.552+/-185.310 χ^2/NDF: 34.3/48

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1582.336+/-0.389 χ^2/NDF: 2956979.8/19

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1583.645+/-0.366 χ^2/NDF: 4270736.7/25

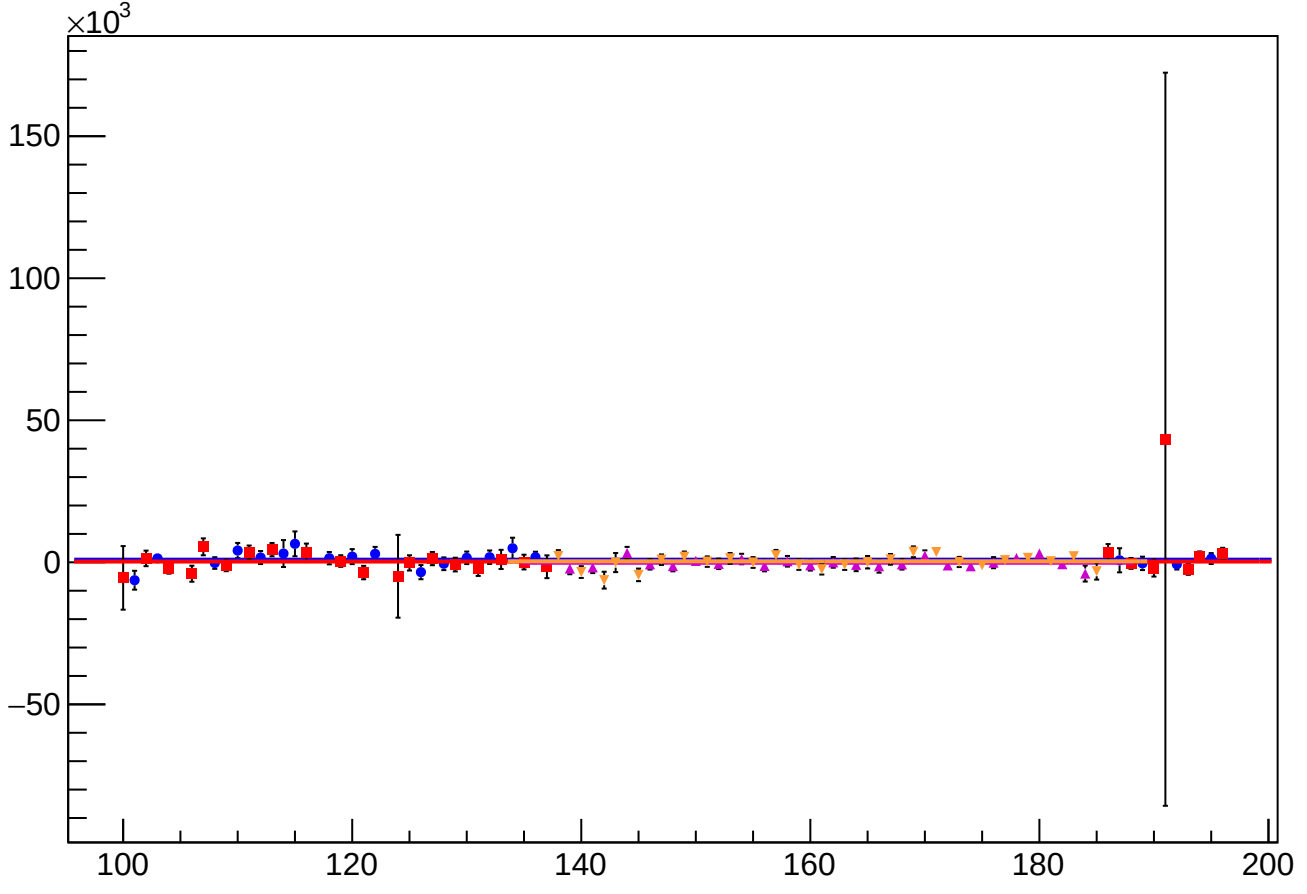
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 921.662+/-0.130 χ^2/NDF: 7998985.0/44

All: 928.541+/-0.092 χ^2/NDF: 16550169.2/93

- sign 935.490+/-0.131 χ^2/NDF: 8545587.8/48

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 934.208+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.626+/-498.188 χ^2/NDF: 25.1/25

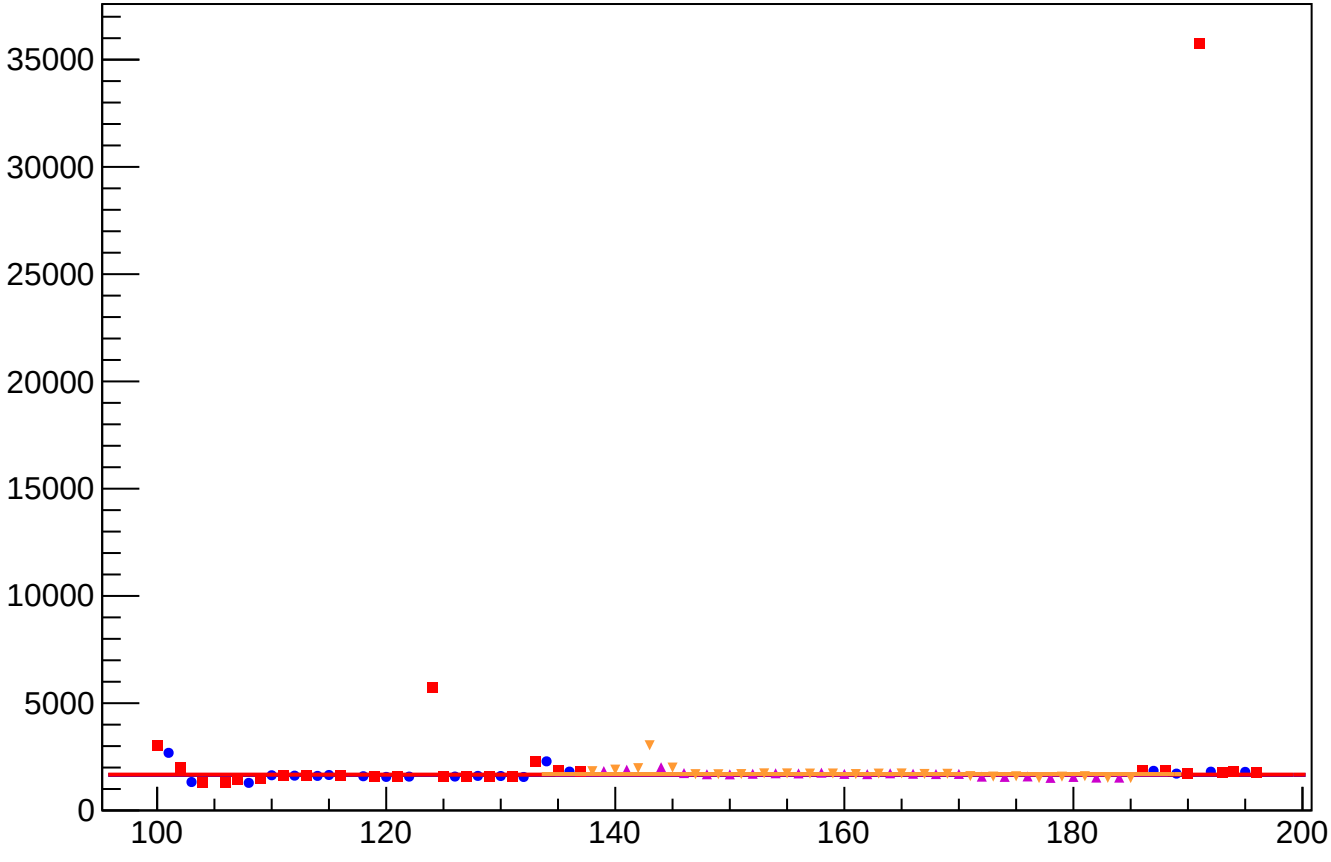
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 559.210+/-314.087 χ^2/NDF: 46.1/44

All: 279.691+/-220.330 χ^2/NDF: 89.2/93

- sign 8.875+/-309.159 χ^2/NDF: 41.5/48

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1653.437+/-0.378 χ^2/NDF: 444237.1/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

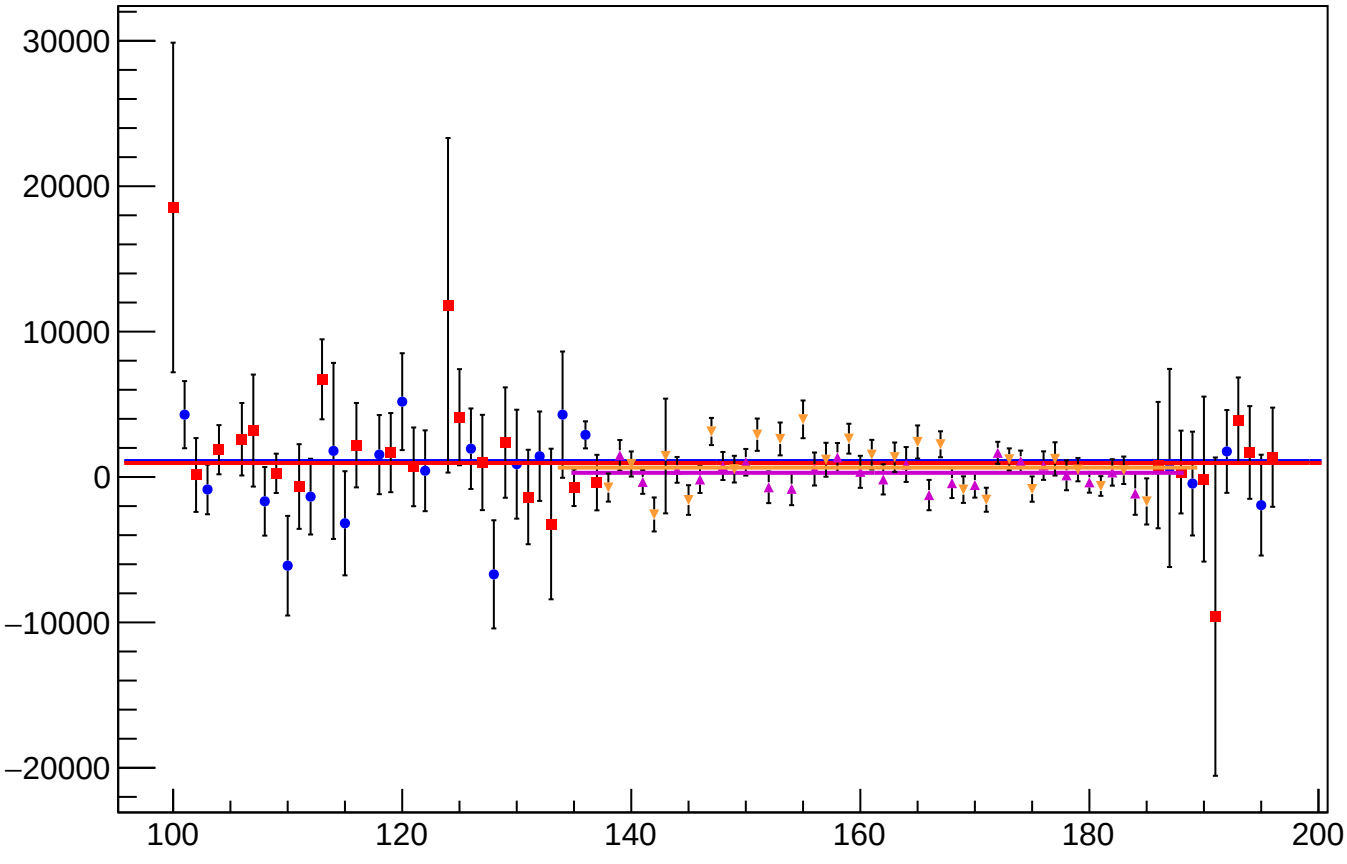
Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.1/25

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.7/44

All: 1680.611+/-0.156 χ^2/NDF: 1768744.9/93

- sign 1678.985+/-0.219 χ^2/NDF: 820102.7/48



Right In: 1097.325+/-550.708 χ^2/NDF: 22.7/19

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 965.607+/-517.083 χ^2/NDF: 16.3/25

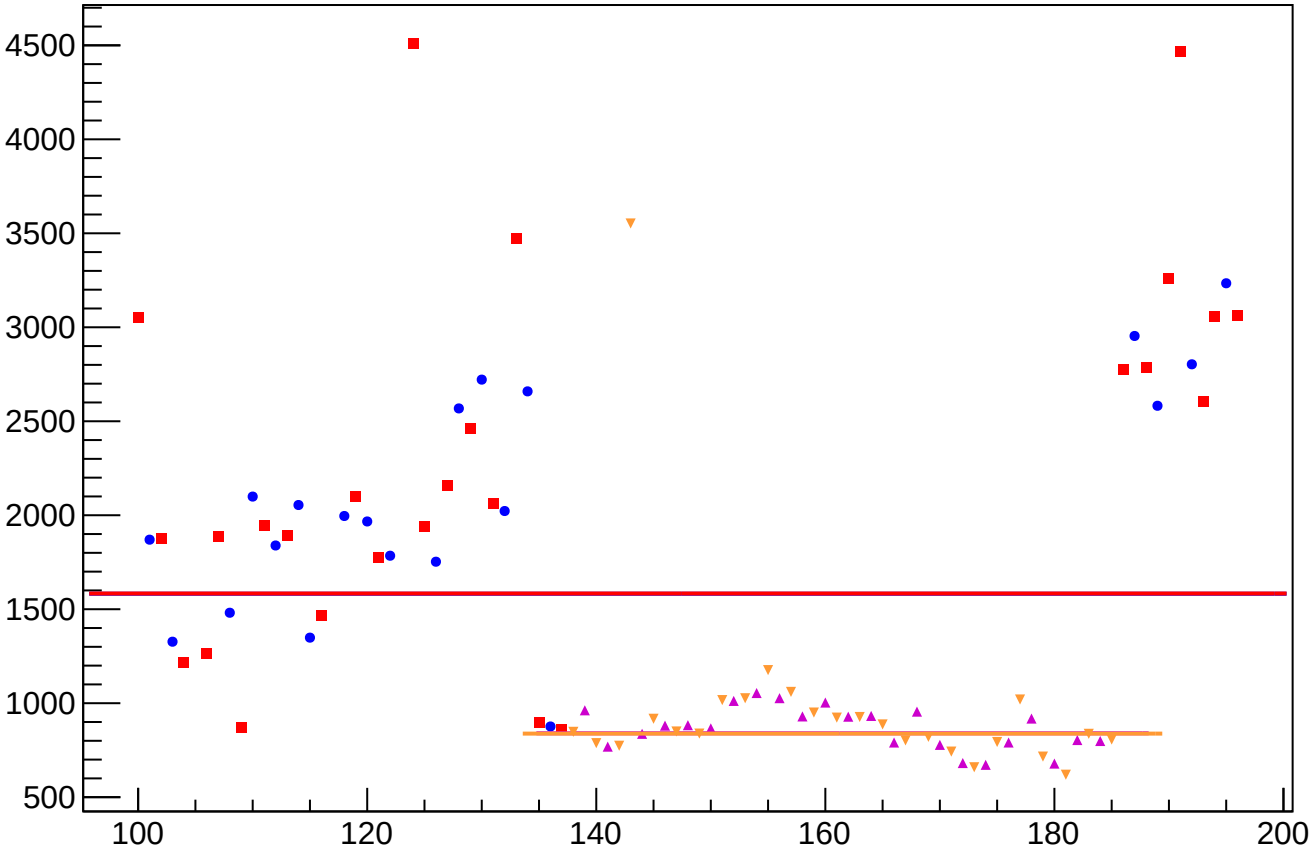
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 699.401+/-184.380 χ^2/NDF: 88.8/44

All: 538.291+/-130.704 χ^2/NDF: 124.7/93

- sign 375.552+/-185.310 χ^2/NDF: 34.3/48

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1582.336+/-0.389 χ^2/NDF: 2956979.8/19

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1583.645+/-0.366 χ^2/NDF: 4270736.7/25

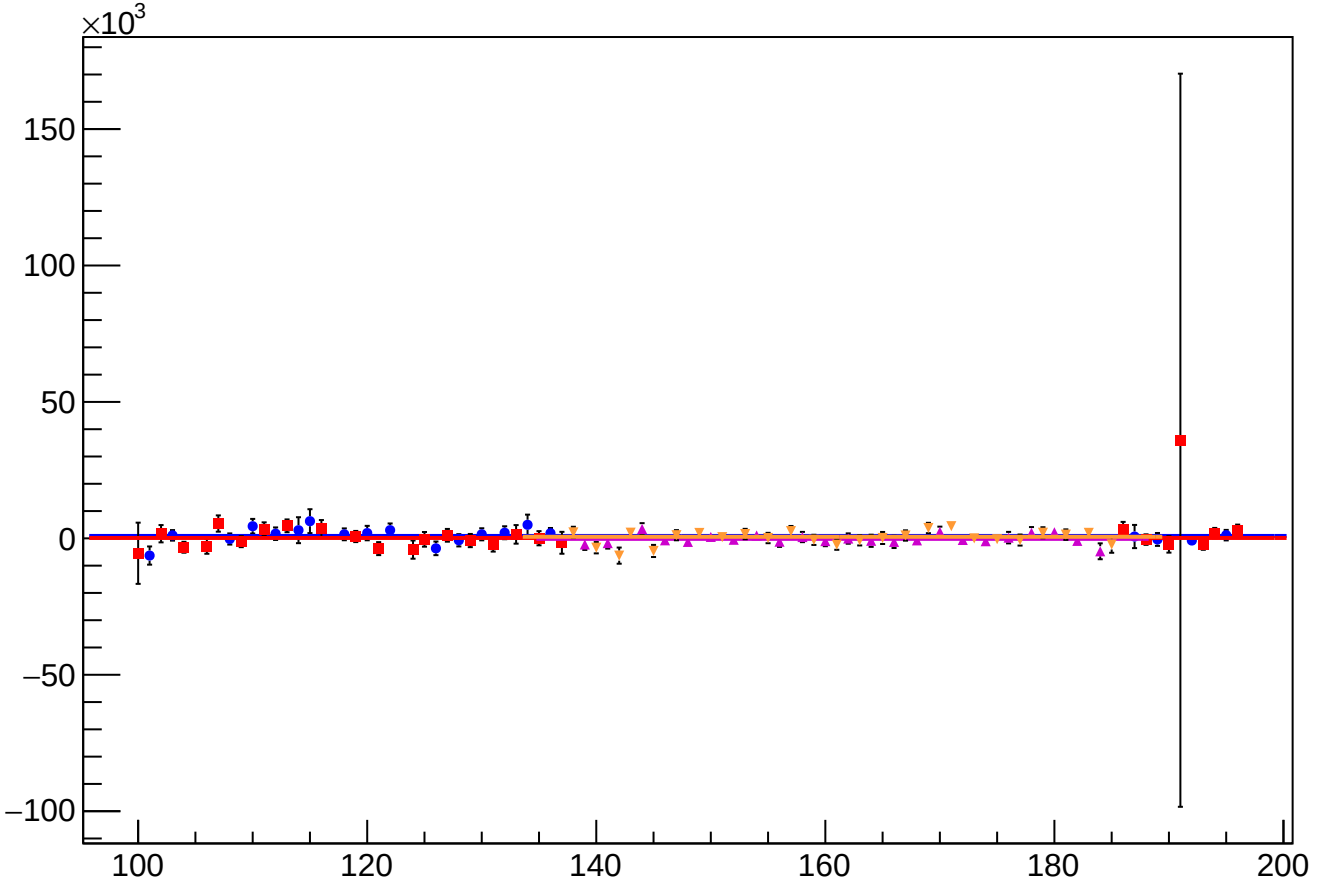
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 921.662+/-0.130 χ^2/NDF: 7998985.0/44

All: 928.541+/-0.092 χ^2/NDF: 16550169.2/93

- sign 935.490+/-0.131 χ^2/NDF: 8545587.8/48

dit_asym_at2_dd_mean vs Slug



Right In: 880.421+/-540.357 χ^2/NDF: 16.3/19

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 144.298+/-498.374 χ^2/NDF: 27.0/25

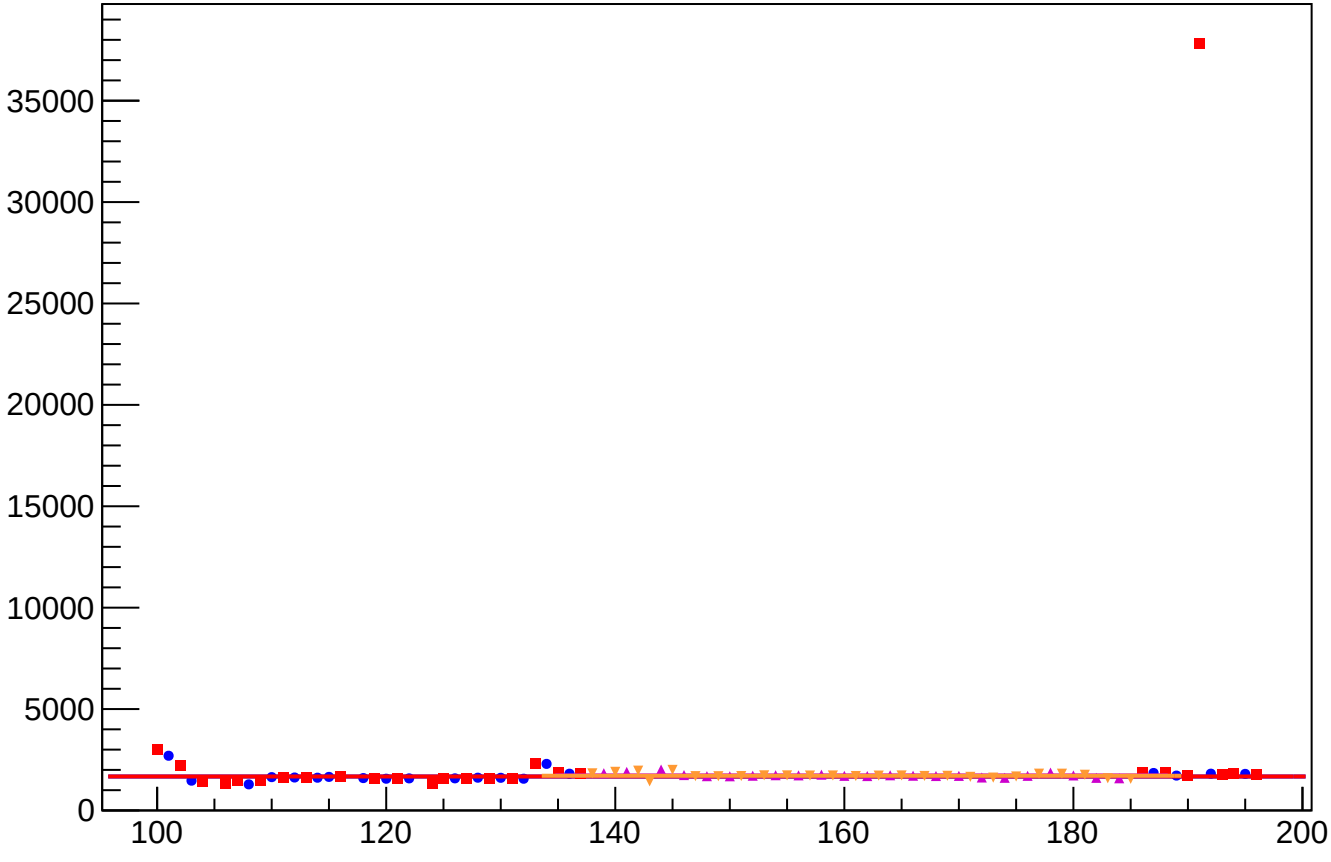
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 683.011+/-316.113 χ^2/NDF: 48.4/44

All: 311.447+/-222.732 χ^2/NDF: 92.9/93

- sign -54.886+/-313.880 χ^2/NDF: 41.7/48

dit_asym_at2_dd_rms vs Slug



Right In: 1673.436+/-0.382 χ^2/NDF: 392898.4/19

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1675.573+/-0.352 χ^2/NDF: 512800.4/25

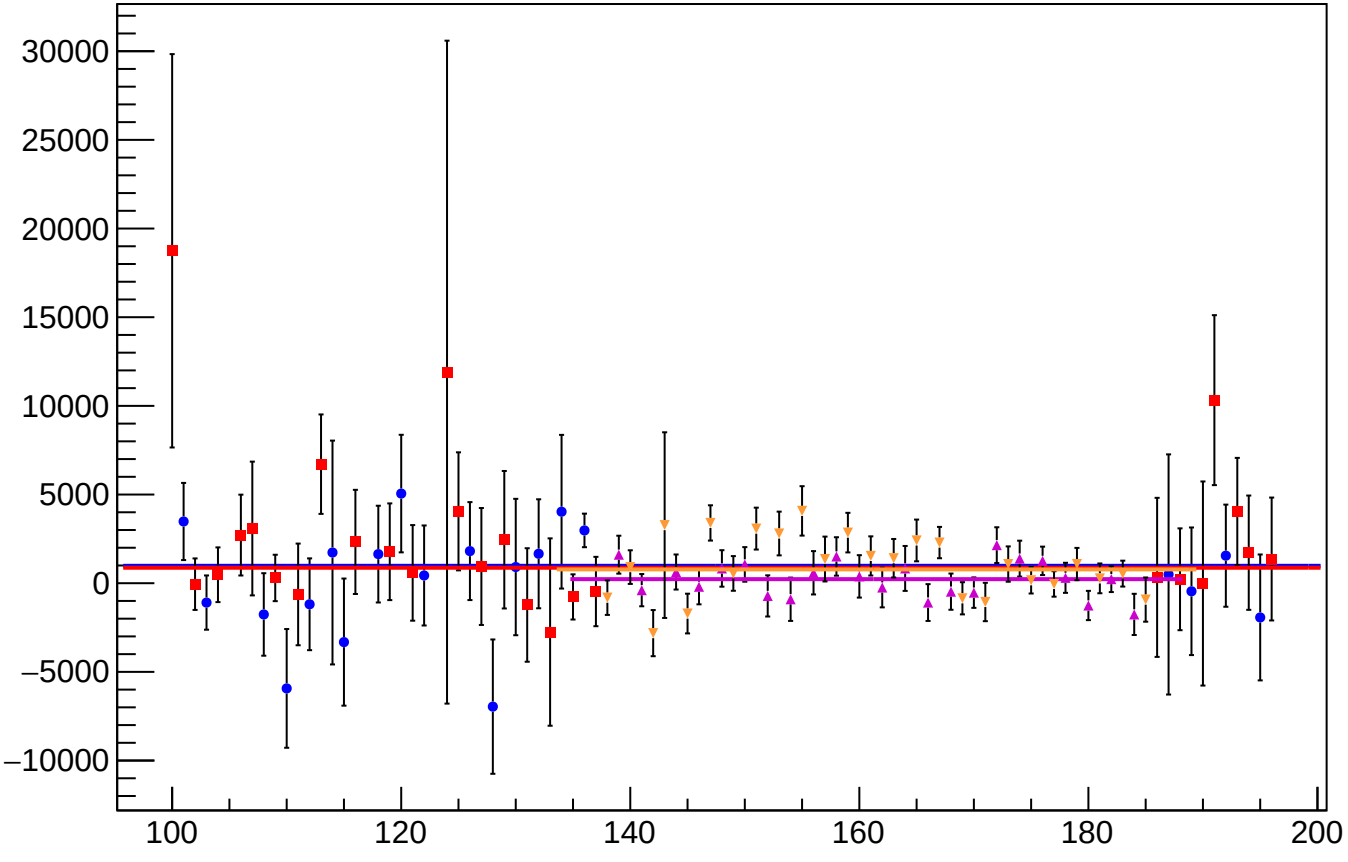
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1698.612+/-0.224 χ^2/NDF: 567505.5/44

All: 1702.912+/-0.157 χ^2/NDF: 1194576.6/93

- sign 1707.151+/-0.222 χ^2/NDF: 626336.2/48

asym_at2_dd_dit_correction_mean vs Slug



Right In: 980.905+/-545.580 χ^2/NDF: 22.9/19

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 872.638+/-488.948 χ^2/NDF: 18.9/25

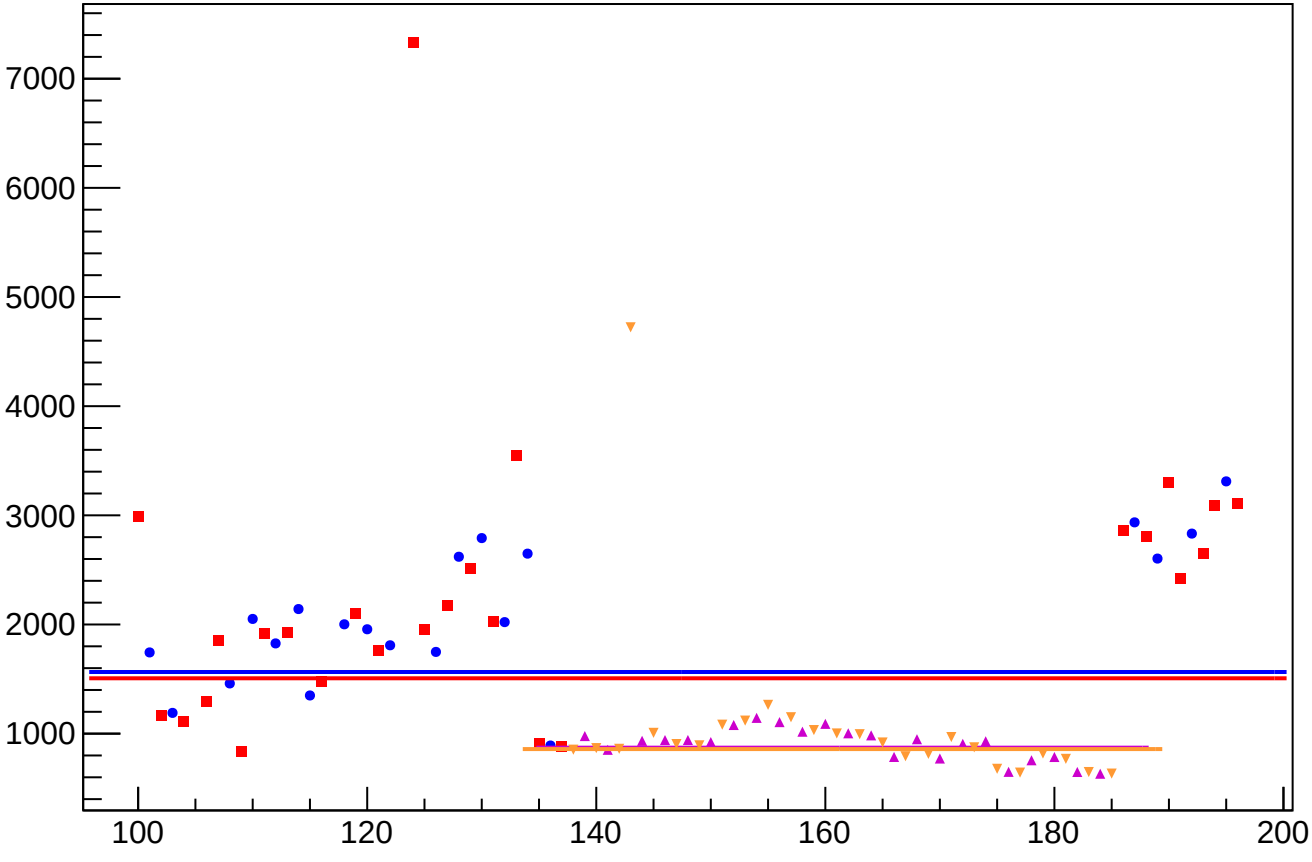
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 803.242+/-189.137 χ^2/NDF: 77.6/44

All: 566.438+/-134.180 χ^2/NDF: 123.7/93

- sign 326.486+/-190.389 χ^2/NDF: 43.0/48

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1564.710+/-0.386 χ^2/NDF: 2989459.4/19

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1506.997+/-0.346 χ^2/NDF: 4534828.3/25

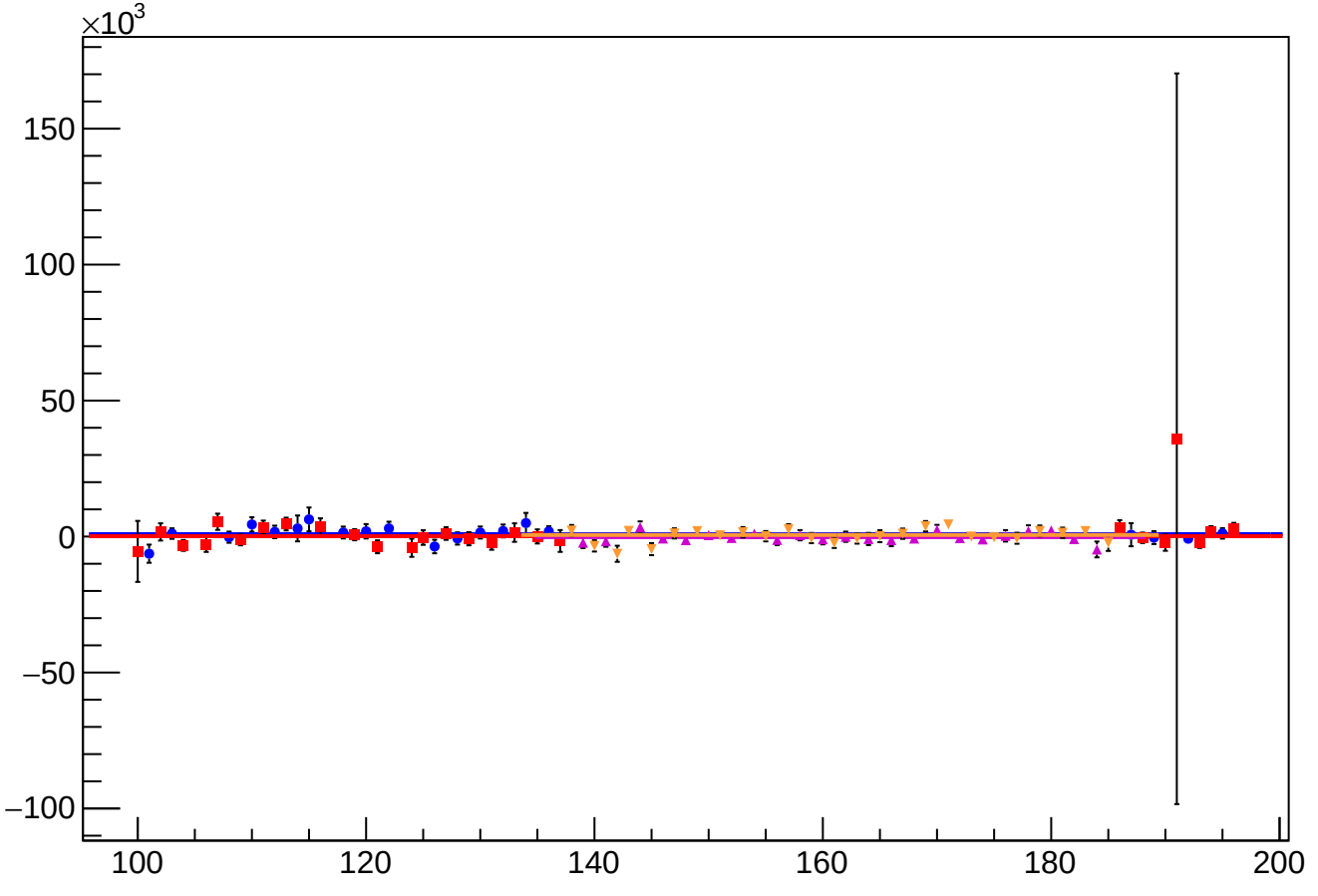
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 943.454+/-0.134 χ^2/NDF: 8216780.3/44

All: 955.585+/-0.095 χ^2/NDF: 16613587.1/93

- sign 967.877+/-0.135 χ^2/NDF: 8380242.8/48

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 880.422+/-540.357 χ^2/NDF: 16.3/19

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 144.297+/-498.374 χ^2/NDF: 27.0/25

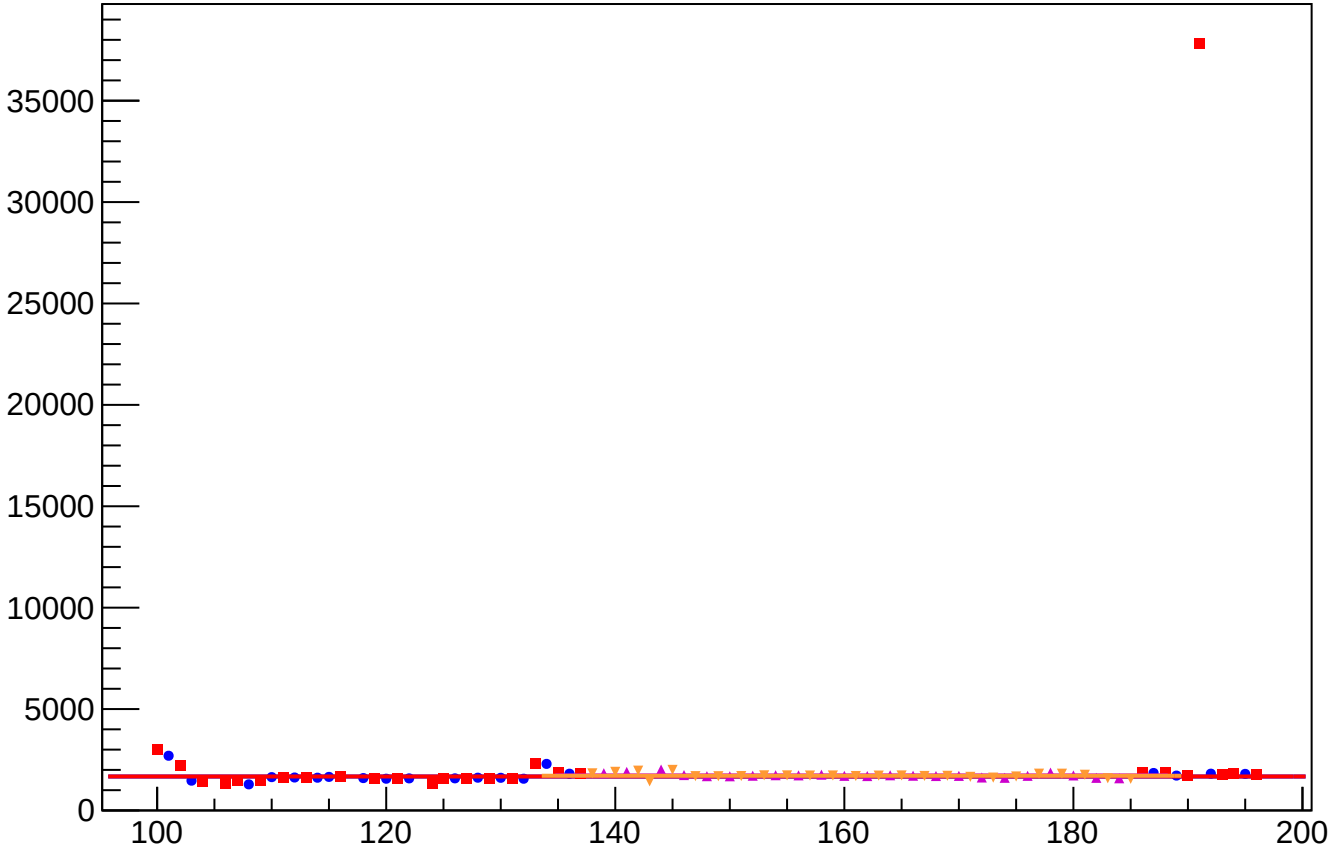
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 683.009+/-316.113 χ^2/NDF: 48.4/44

All: 311.446+/-222.732 χ^2/NDF: 92.9/93

- sign -54.886+/-313.880 χ^2/NDF: 41.7/48

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1673.435+/-0.382 χ^2/NDF: 392898.2/19

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1675.573+/-0.352 χ^2/NDF: 512800.6/25

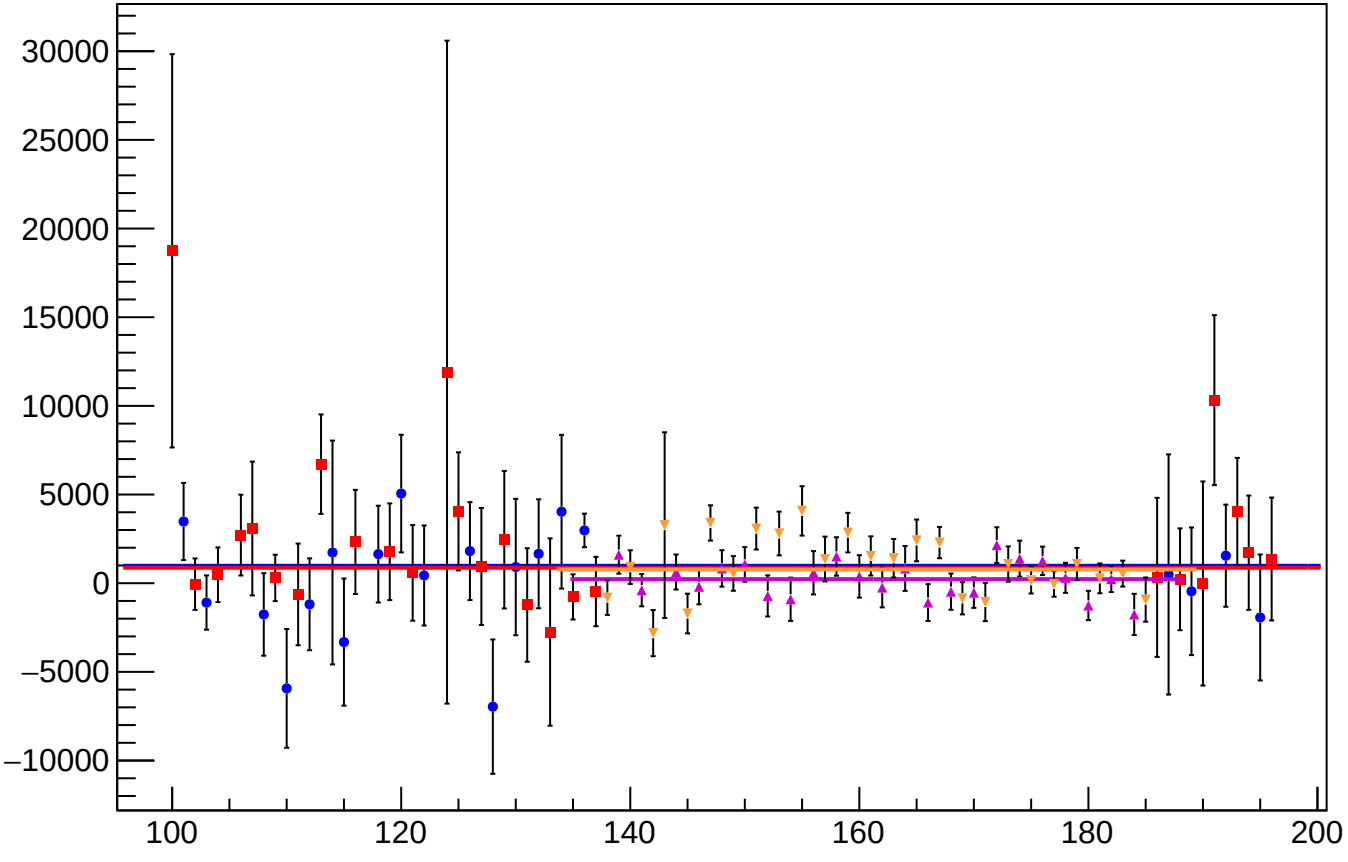
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1698.612+/-0.224 χ^2/NDF: 567504.1/44

All: 1702.912+/-0.157 χ^2/NDF: 1194575.2/93

- sign 1707.151+/-0.222 χ^2/NDF: 626336.3/48

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 980.894+/-545.583 χ^2/NDF: 22.9/19

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 872.653+/-488.951 χ^2/NDF: 18.9/25

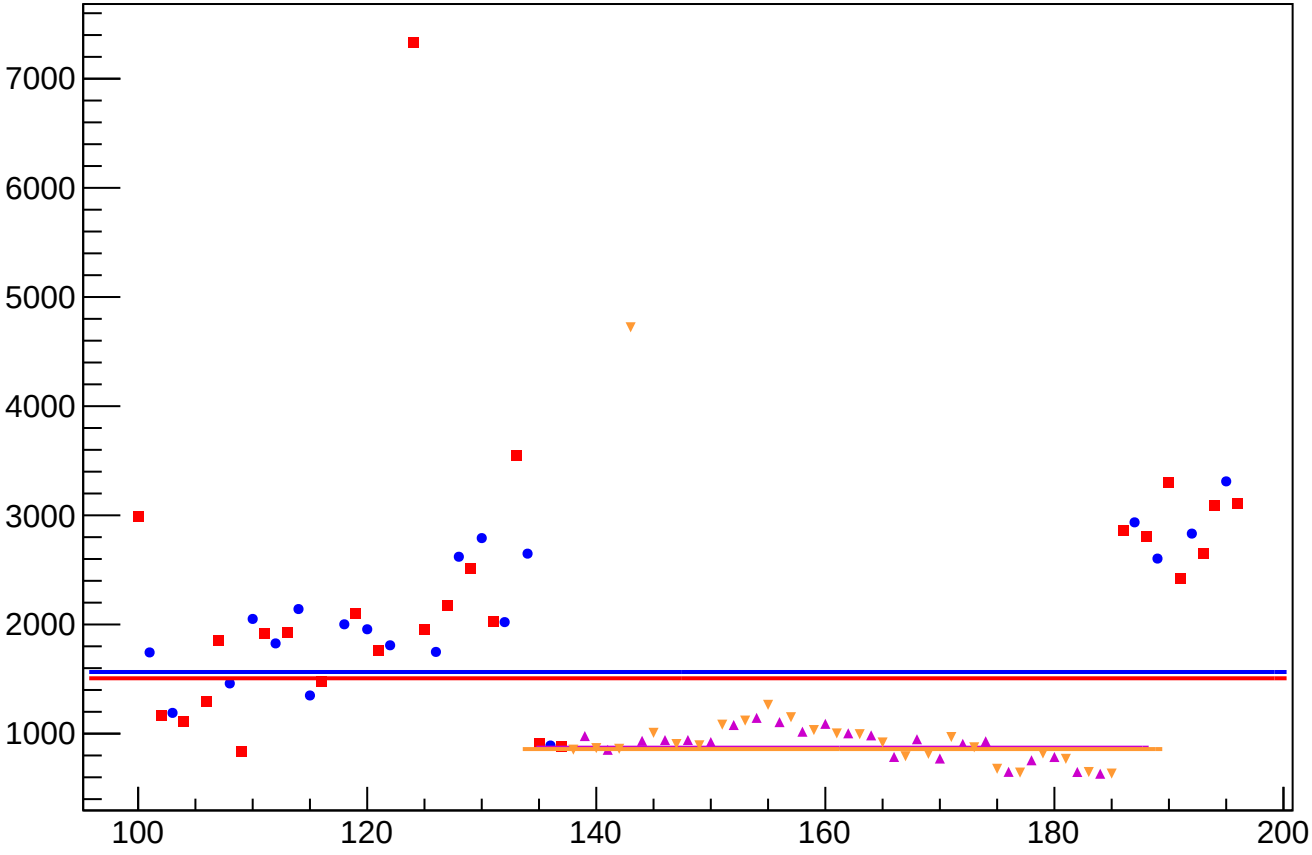
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 803.243+/-189.137 χ^2/NDF: 77.6/44

All: 566.437+/-134.181 χ^2/NDF: 123.7/93

- sign 326.485+/-190.389 χ^2/NDF: 43.0/48

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1564.725+/-0.386 χ^2/NDF: 2989336.7/19

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1507.011+/-0.346 χ^2/NDF: 4534712.2/25

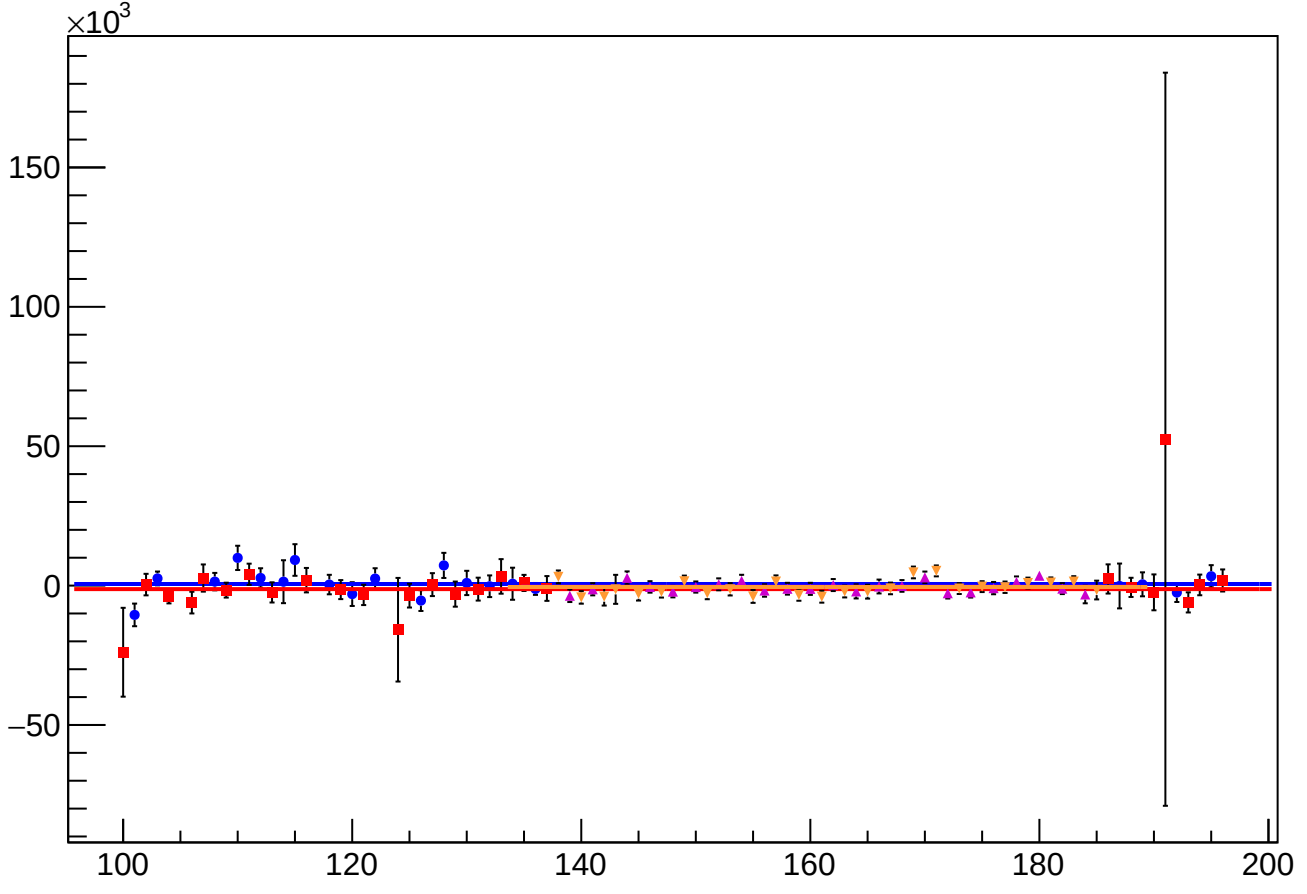
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 943.455+/-0.134 χ^2/NDF: 8216745.2/44

All: 955.586+/-0.095 χ^2/NDF: 16613544.8/93

- sign 967.877+/-0.135 χ^2/NDF: 8380237.1/48

asym_at2_dd_mean vs Slug



Right In: 570.860+/-836.638 χ^2/NDF: 23.3/19

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1260.588+/-785.824 χ^2/NDF: 14.1/25

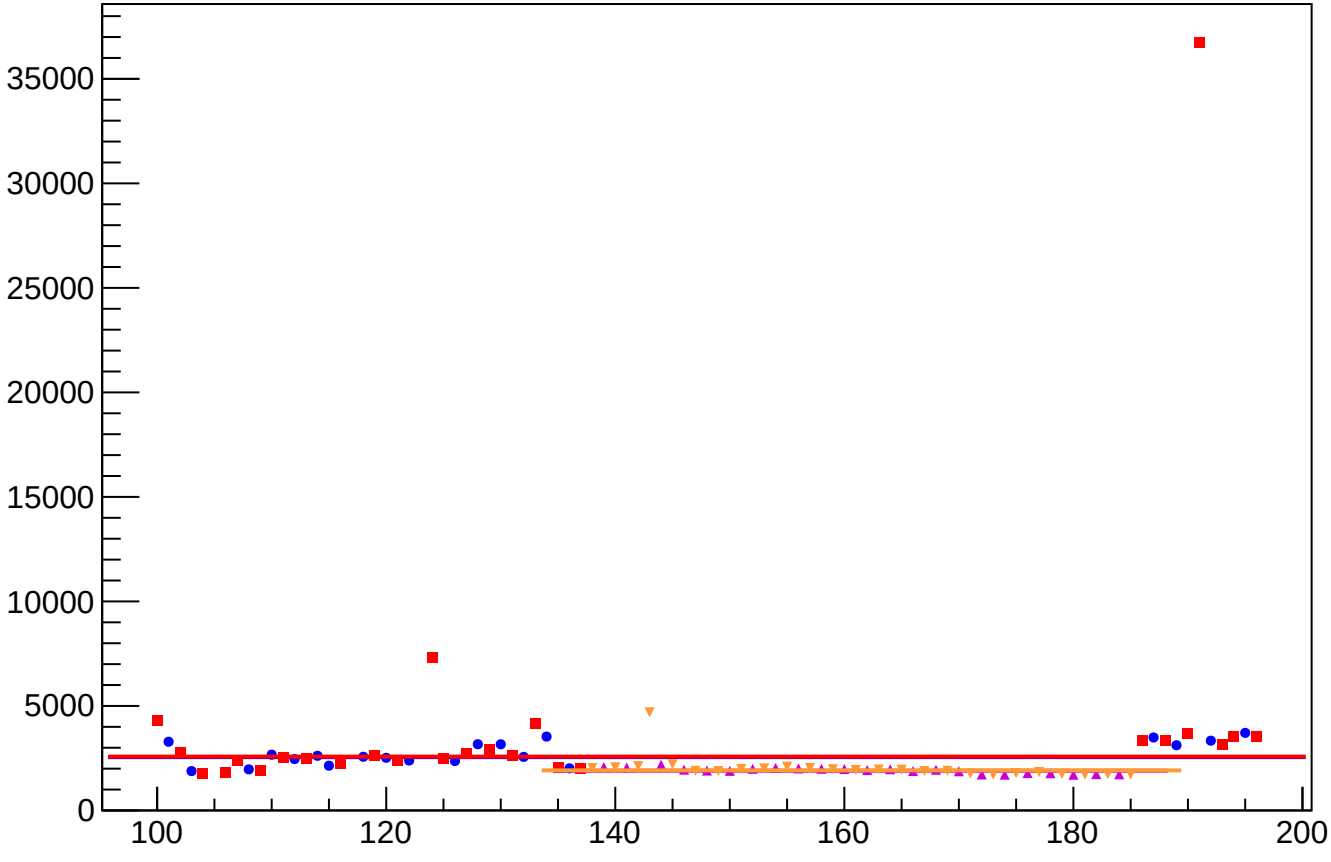
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -269.244+/-389.370 χ^2/NDF: 60.5/44

All: -444.329+/-274.464 χ^2/NDF: 94.7/93

- sign -617.237+/-386.942 χ^2/NDF: 33.8/48

asym_at2_dd_rms vs Slug



Right In: 2551.238+/-0.592 χ^2/NDF: 906718.2/19

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

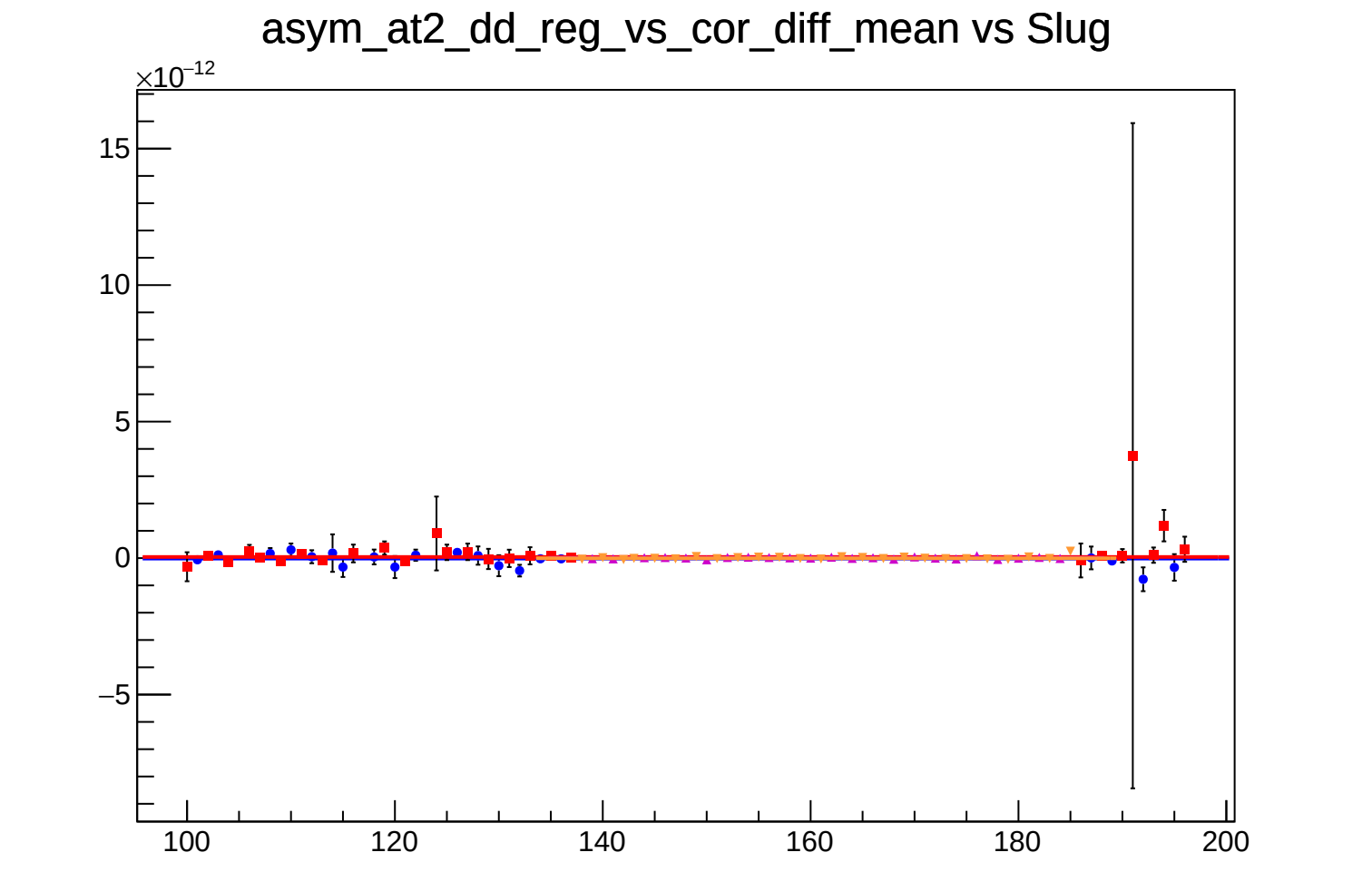
Right Out: 2575.596+/-0.556 χ^2/NDF: 1499864.3/25

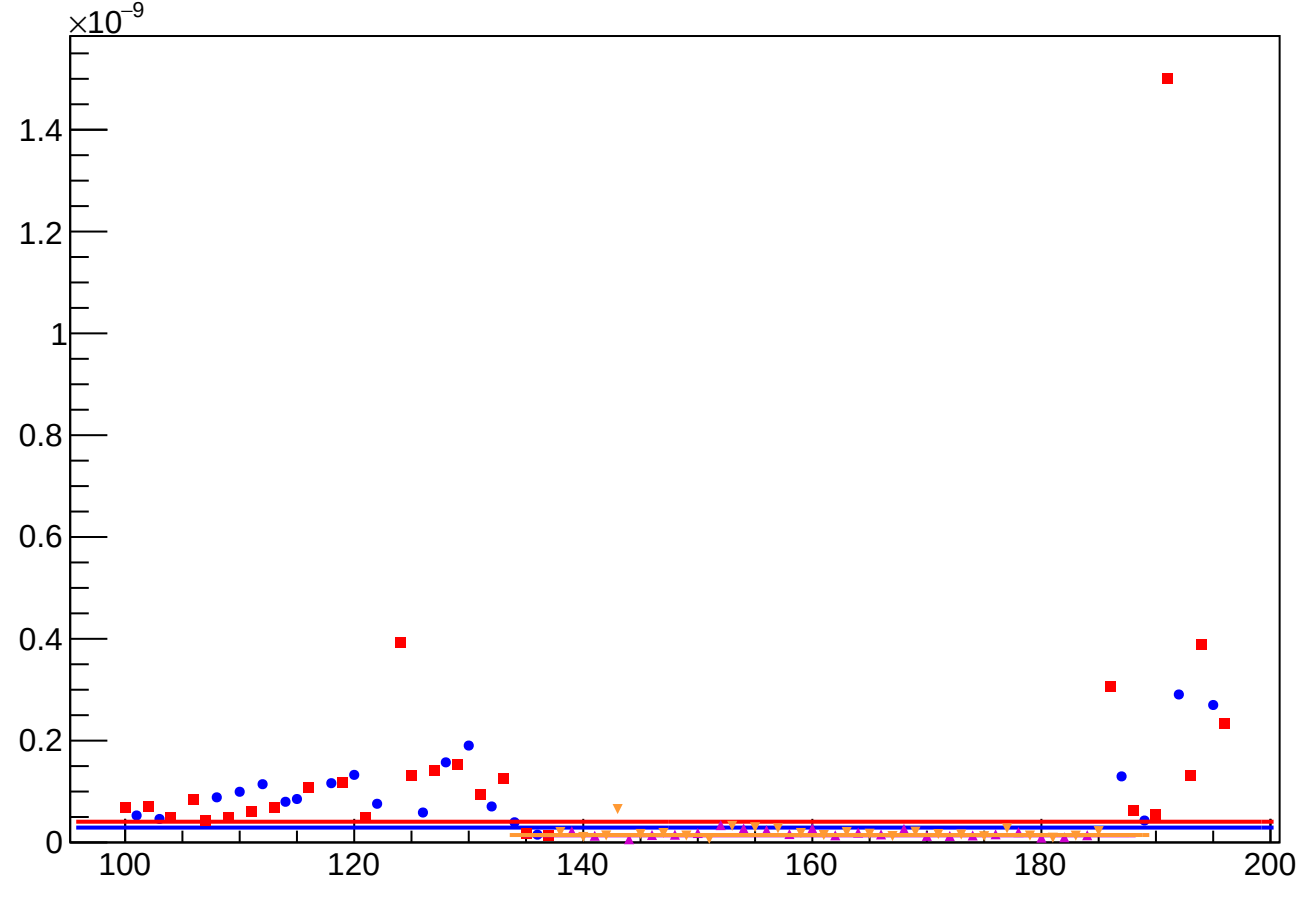
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2054.497+/-0.275 χ^2/NDF: 2563077.9/44

All: 2058.894+/-0.194 χ^2/NDF: 5359188.6/93

- sign 2063.235+/-0.274 χ^2/NDF: 2795603.9/48


asym_at2_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: 18.7/19
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/25
Left In: 0.000+/-0.000 χ²/NDF:25.0/22
+ sign -0.000+/-0.000 χ²/NDF: 47.5/44
All: 0.000+/-0.000 χ²/NDF: 97.7/93
- sign 0.000+/-0.000 χ²/NDF: 46.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 4083292.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4243373.8/25

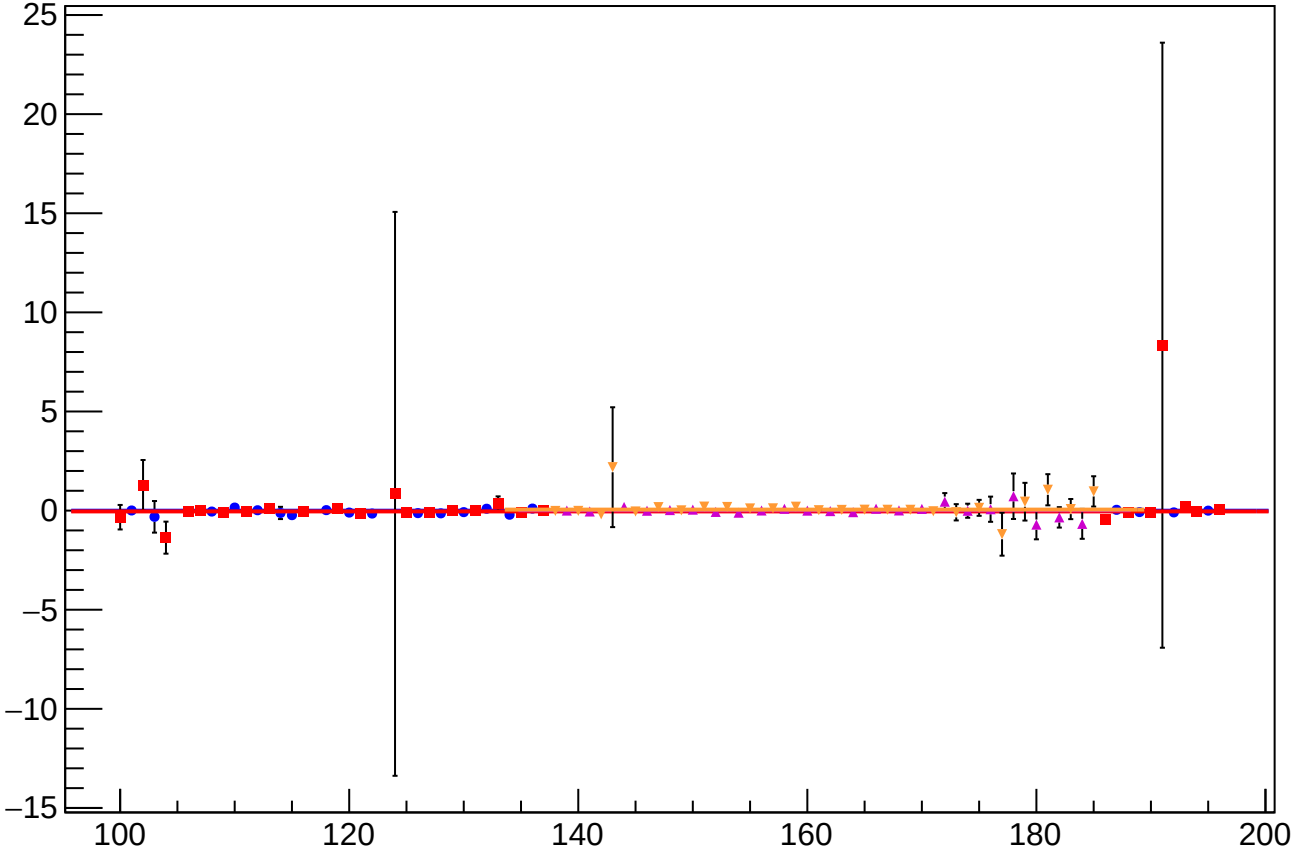
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6790998.3/44

All: 0.000+/-0.000 χ^2/NDF: 14873896.4/93

- sign 0.000+/-0.000 χ^2/NDF: 8077920.2/48

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

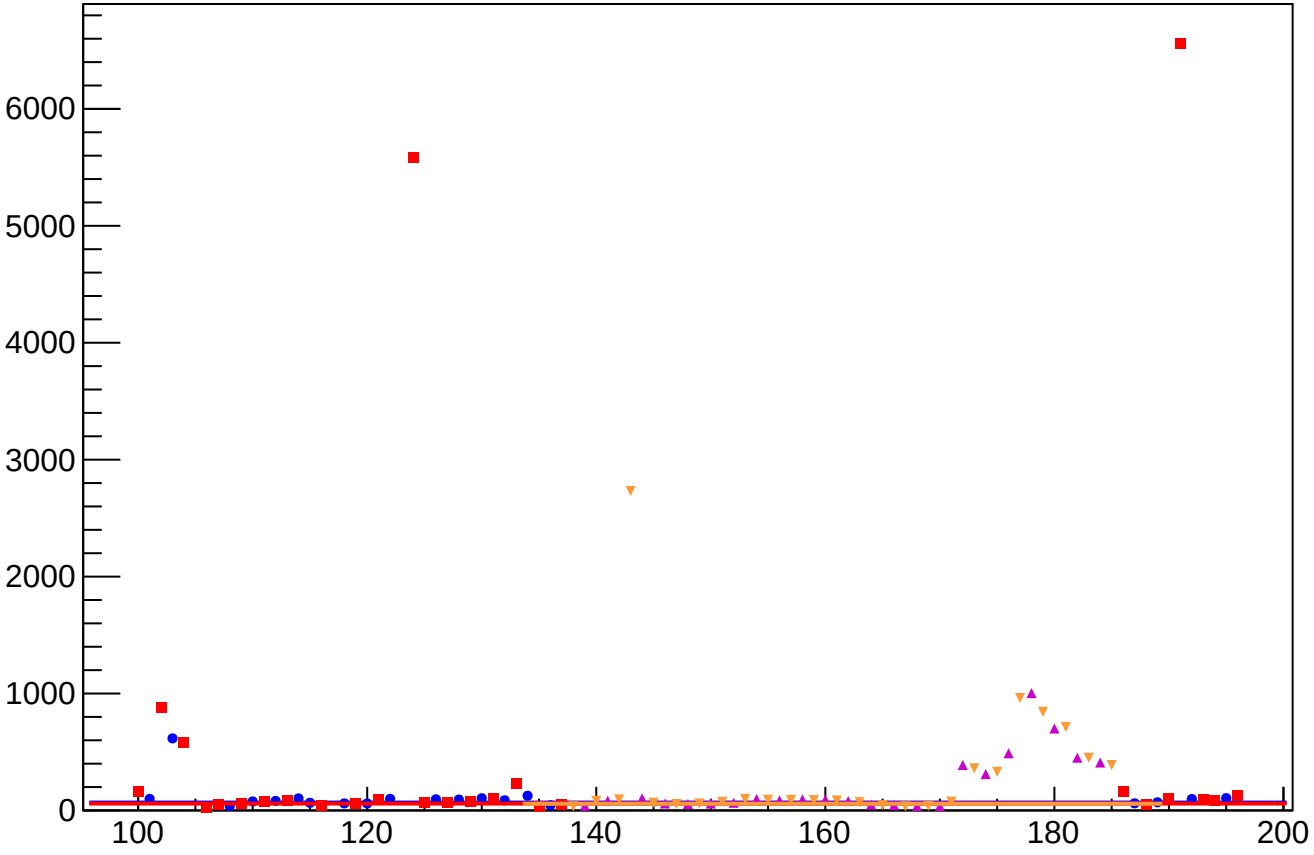
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.7/93

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 67.413+/-0.017 χ^2/NDF: 2864192.5/19

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 58.873+/-0.015 χ^2/NDF: 5654305.2/25

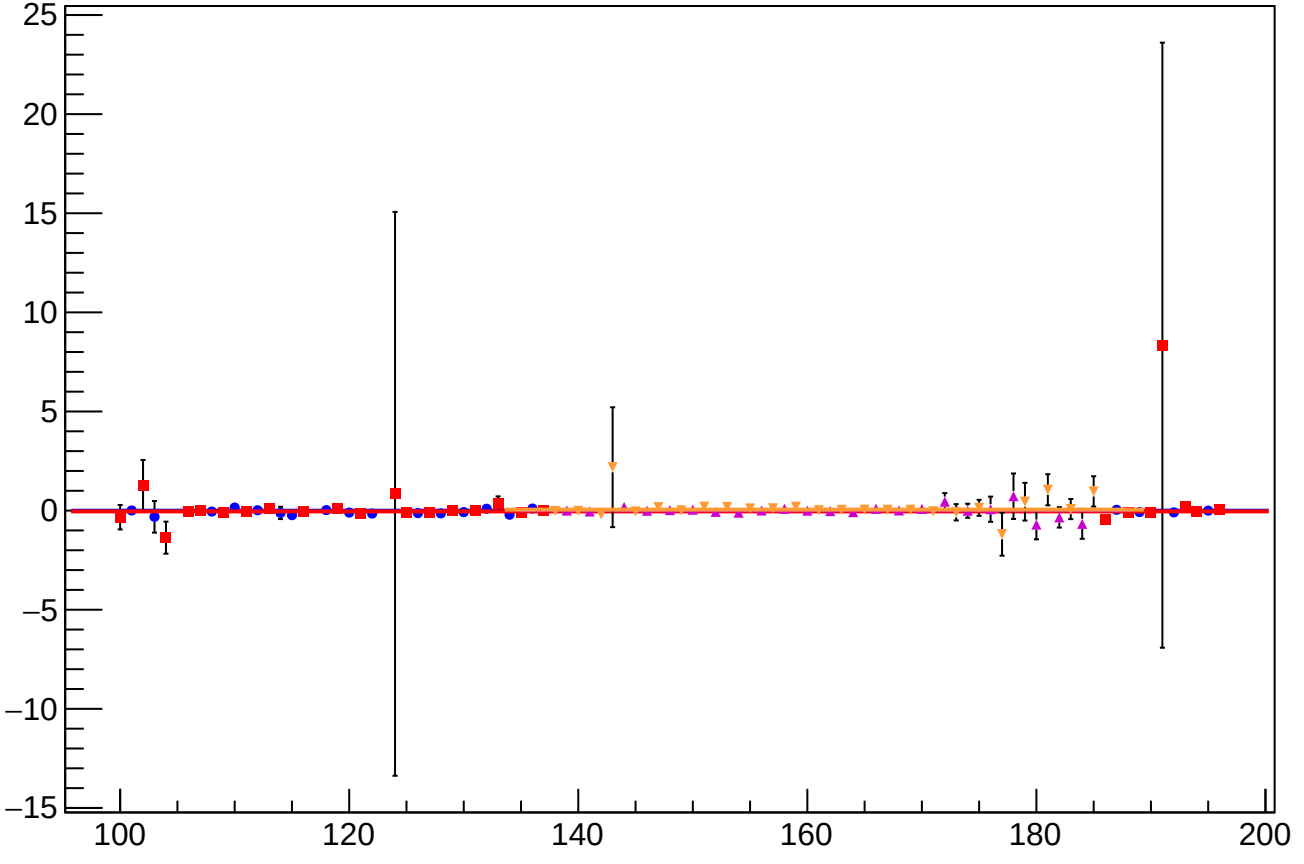
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.554+/-0.010 χ^2/NDF: 15416965.3/44

All: 59.578+/-0.007 χ^2/NDF: 31337667.9/93

- sign 58.696+/-0.009 χ^2/NDF: 15902196.8/48

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

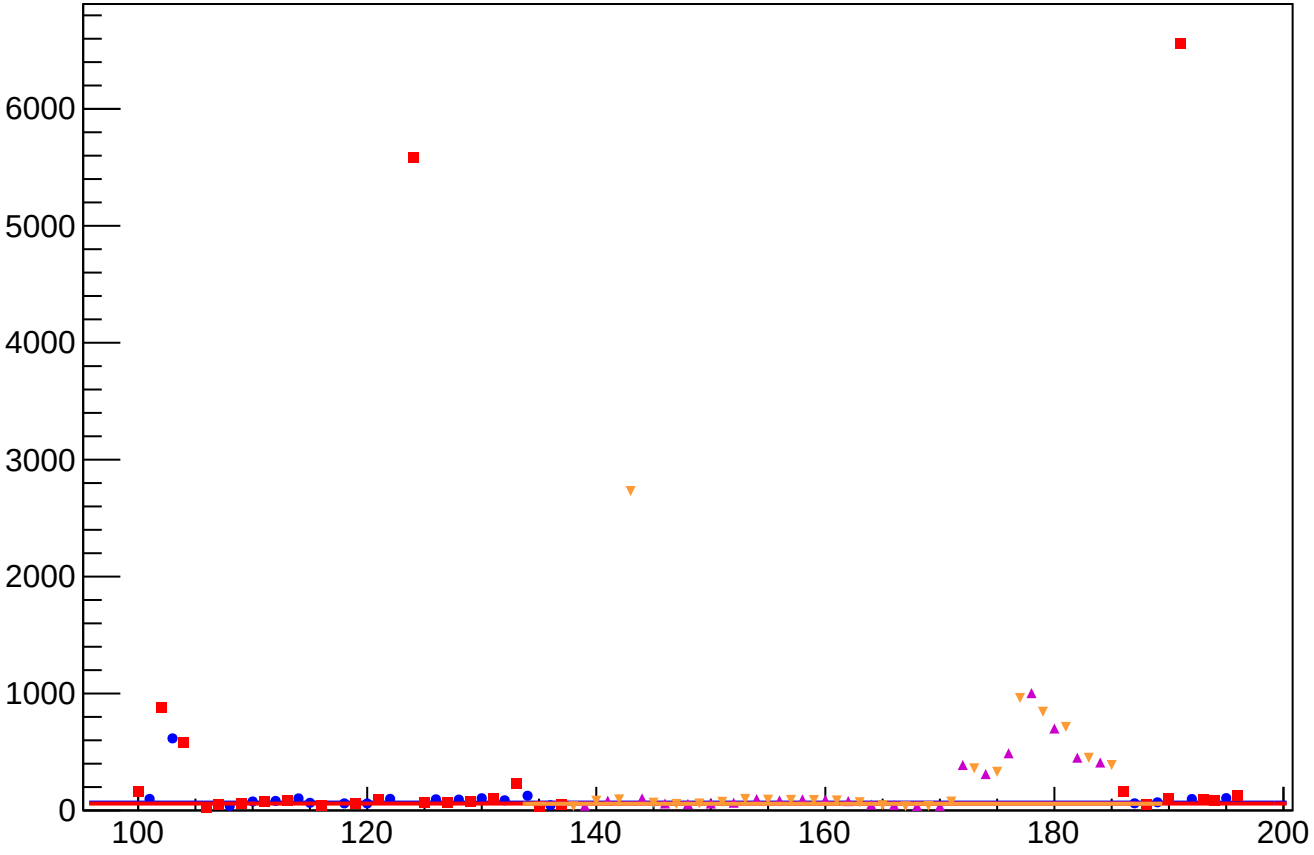
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.7/93

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.413+/-0.017 χ^2/NDF: 2864192.5/19

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

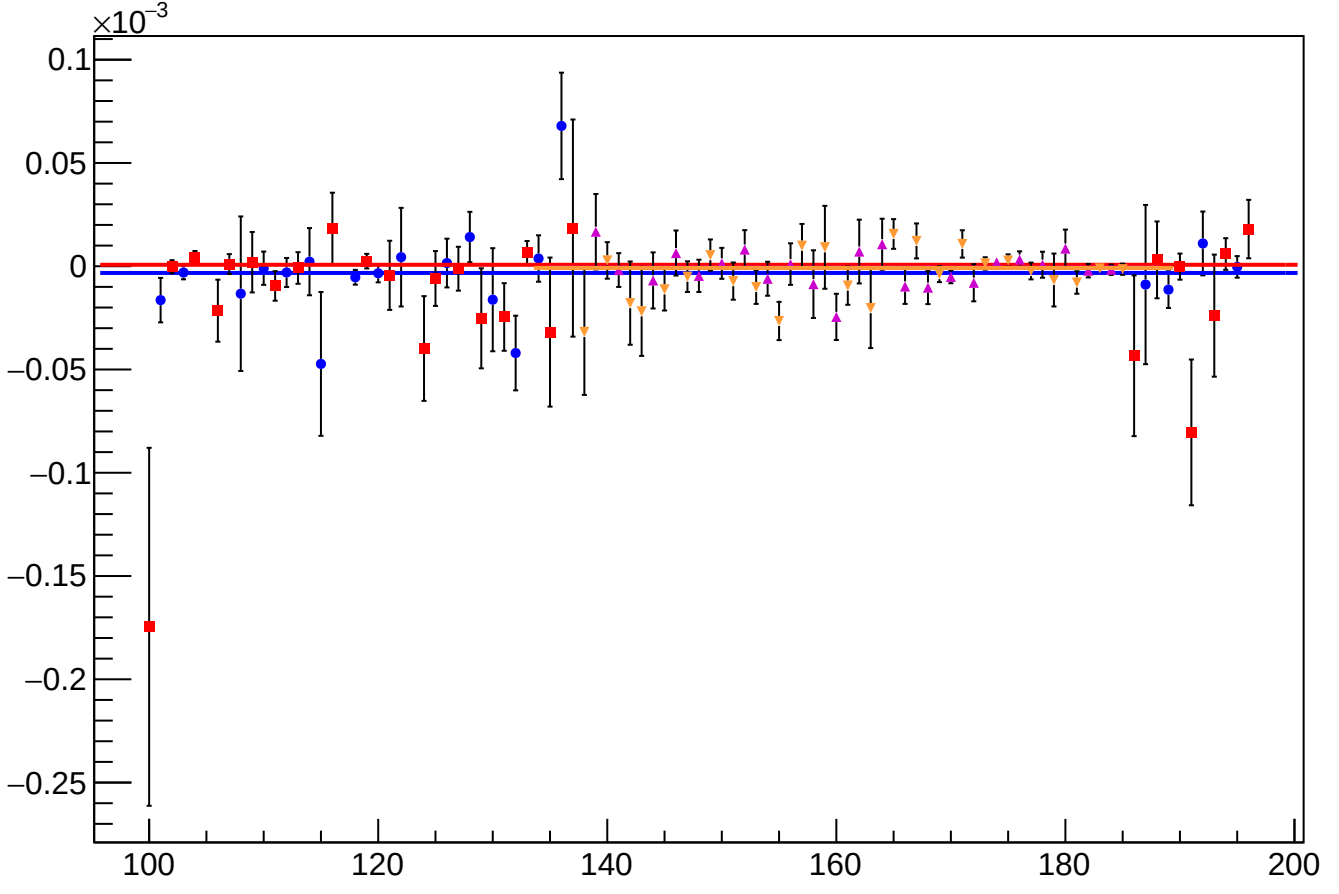
Right Out: 58.873+/-0.015 χ^2/NDF: 5654305.2/25

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.554+/-0.010 χ^2/NDF: 15416965.3/44

All: 59.578+/-0.007 χ^2/NDF: 31337667.9/93

- sign 58.696+/-0.009 χ^2/NDF: 15902196.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

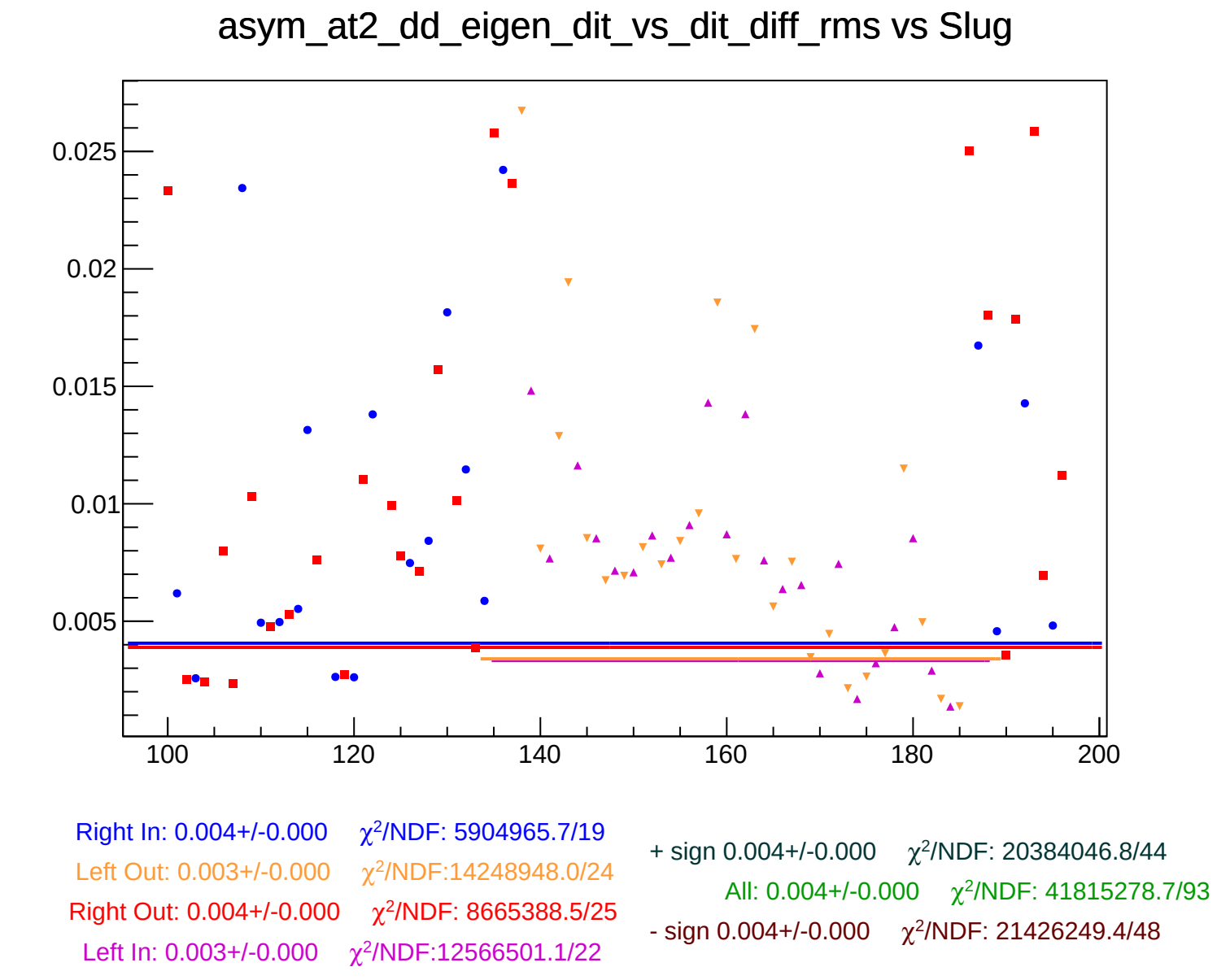
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/25

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

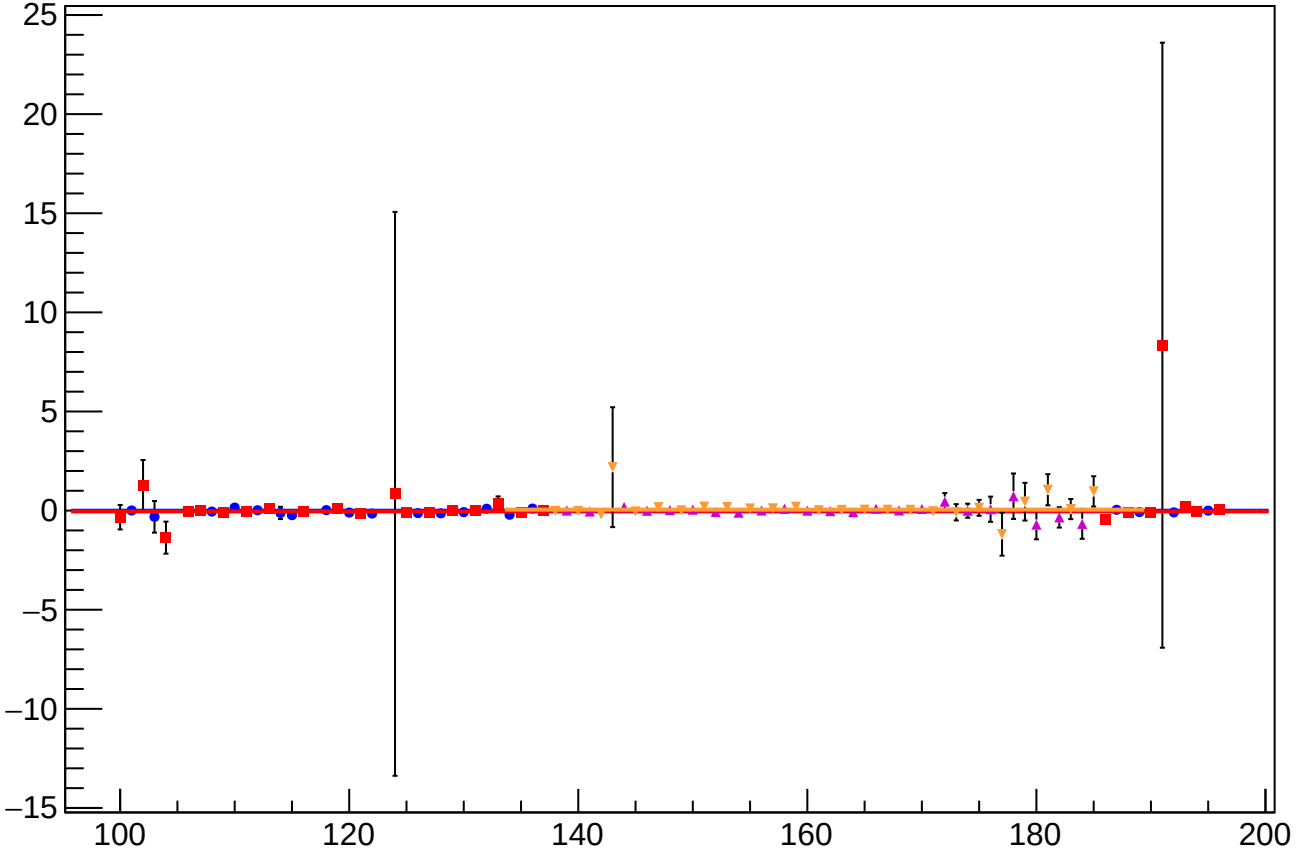
+ sign -0.000+/-0.000 χ^2/NDF: 55.2/44

All: -0.000+/-0.000 χ^2/NDF: 104.1/93

- sign -0.000+/-0.000 χ^2/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: 5904965.7/19
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: 20384046.8/44
All: 0.004+/-0.000 χ²/NDF: 41815278.7/93
- sign 0.004+/-0.000 χ²/NDF: 21426249.4/48

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

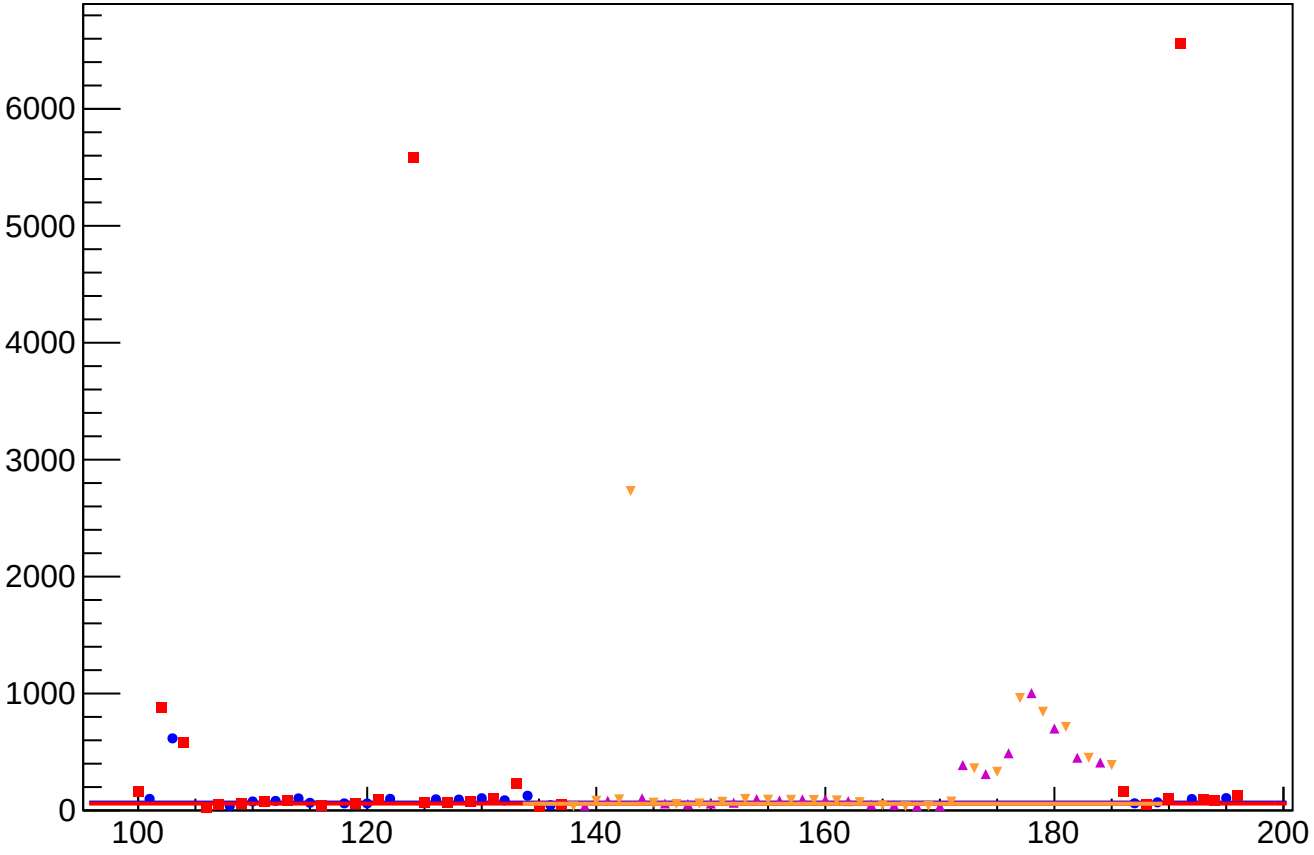
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.7/93

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.420+/-0.017 χ^2/NDF: 2863025.2/19

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

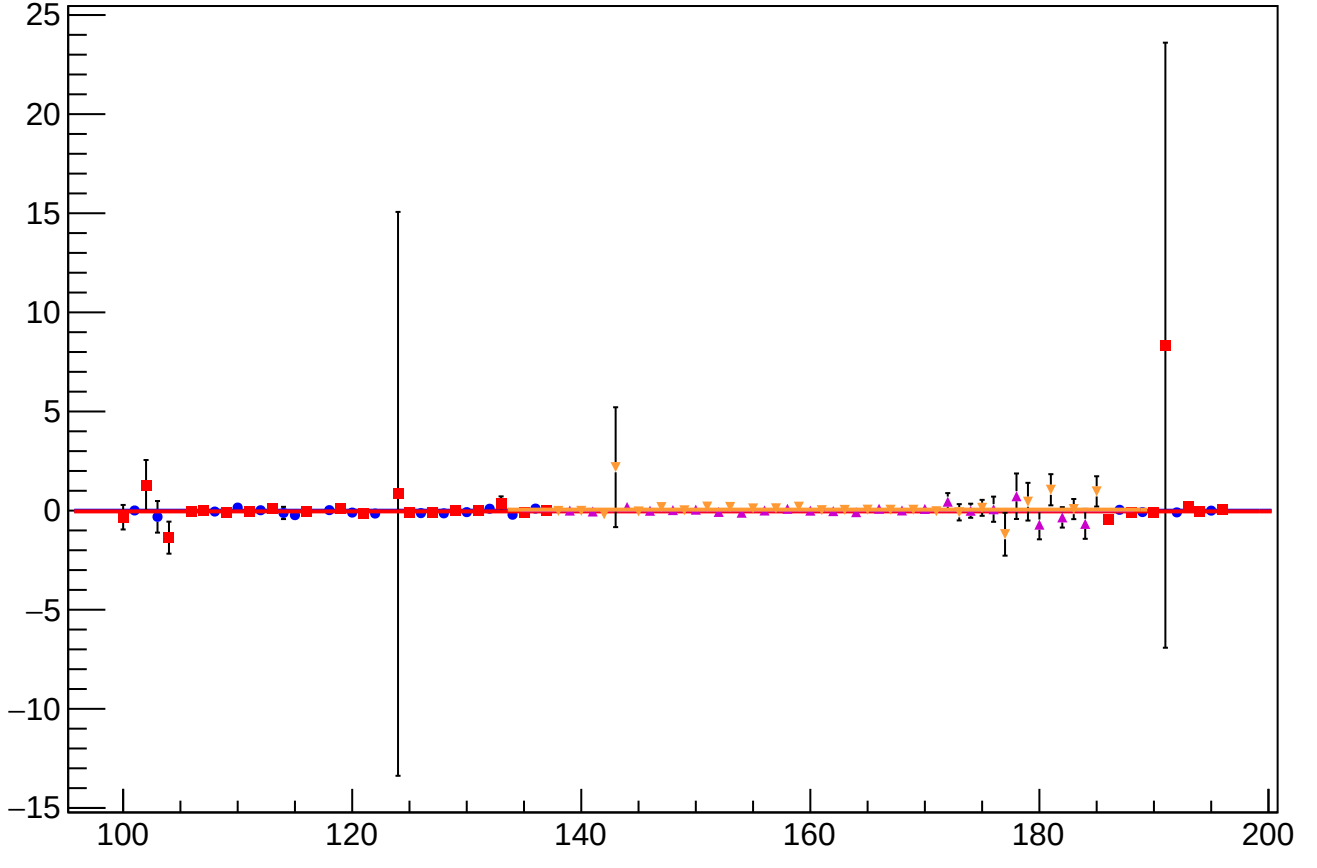
Right Out: 58.868+/-0.015 χ^2/NDF: 5655049.2/25

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.555+/-0.010 χ^2/NDF: 15415915.3/44

All: 59.579+/-0.007 χ^2/NDF: 31336880.1/93

- sign 58.695+/-0.009 χ^2/NDF: 15902423.1/48



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

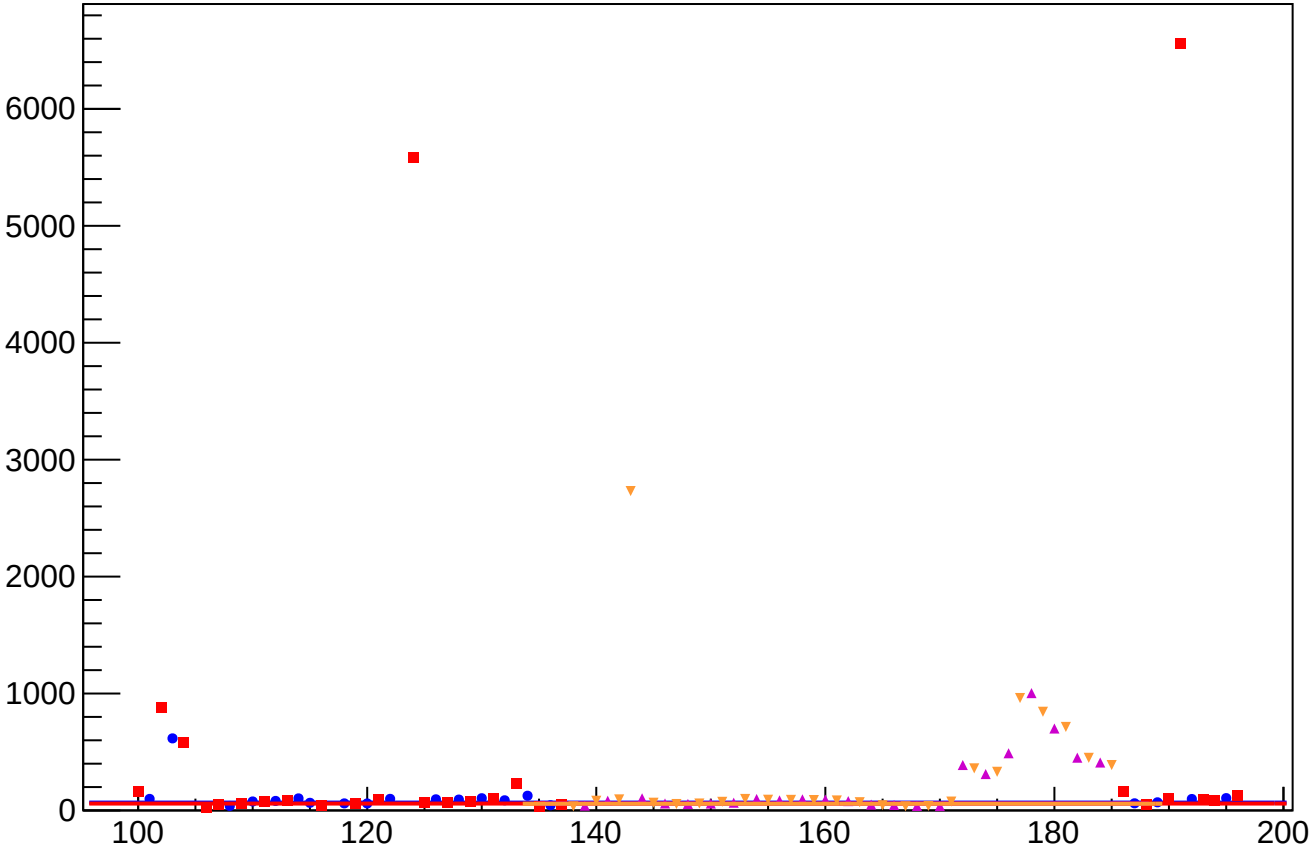
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.7/93

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.420+/-0.017 χ^2/NDF: 2863025.2/19

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 58.868+/-0.015 χ^2/NDF: 5655049.2/25

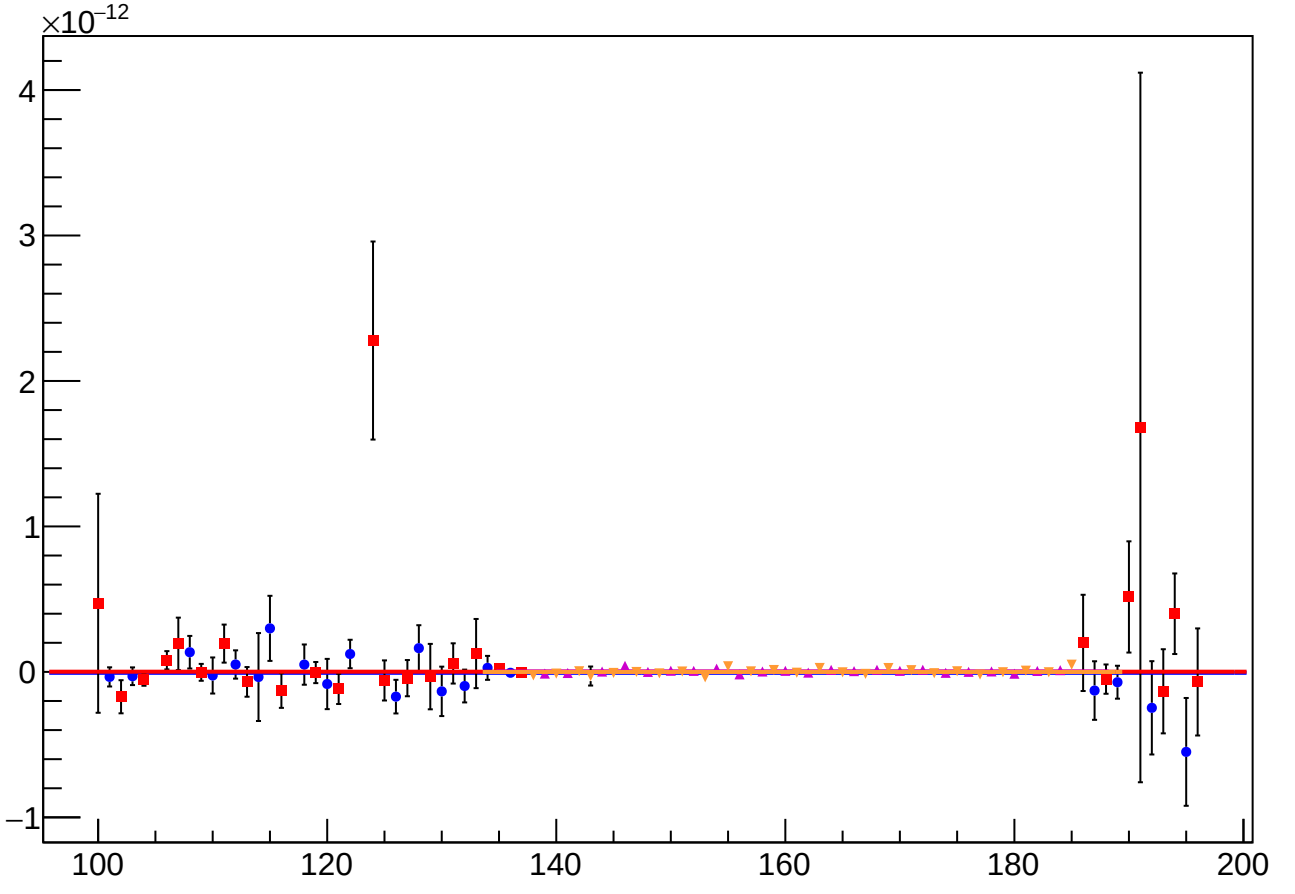
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.555+/-0.010 χ^2/NDF: 15415915.3/44

All: 59.579+/-0.007 χ^2/NDF: 31336880.1/93

- 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: 14.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

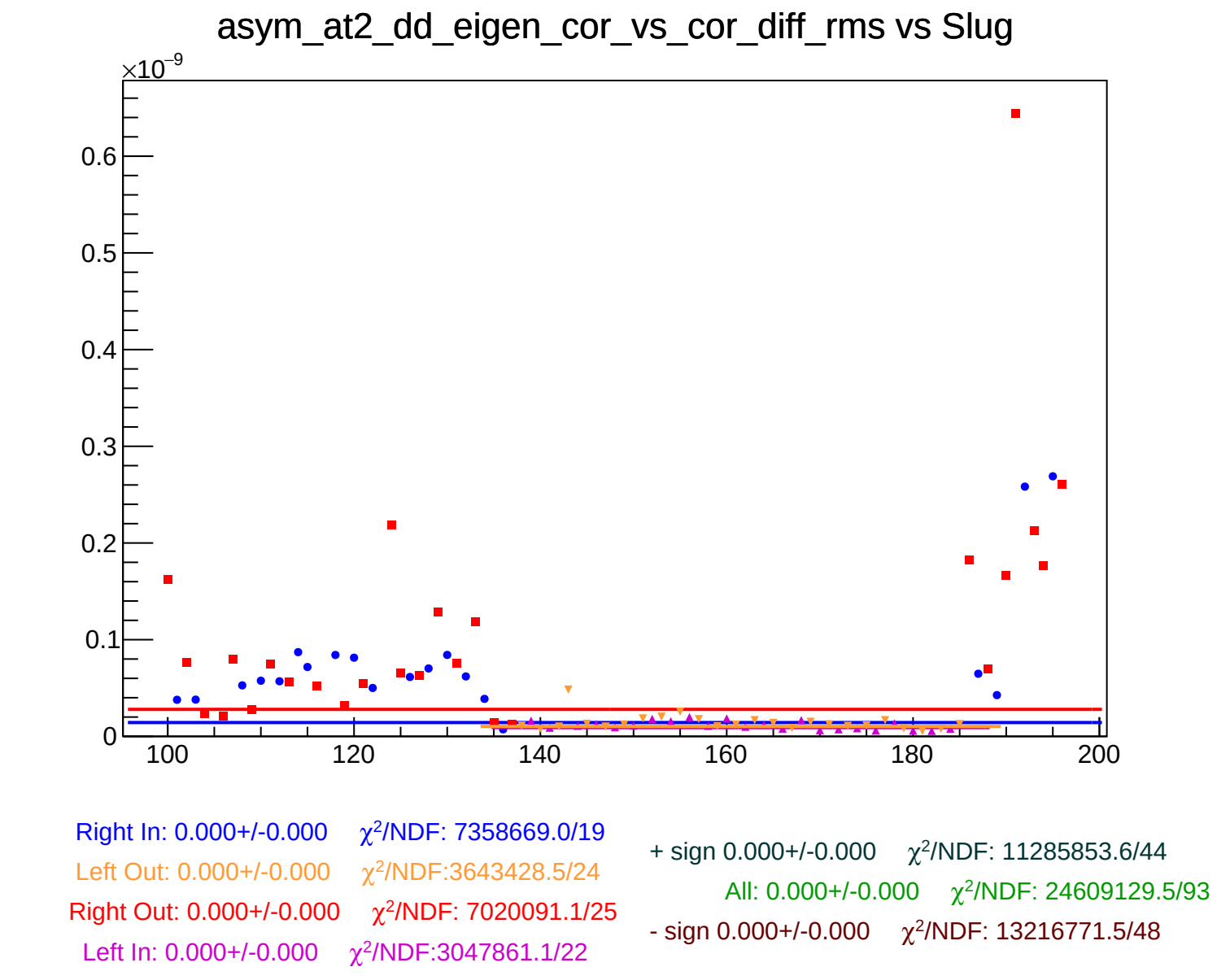
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/25

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

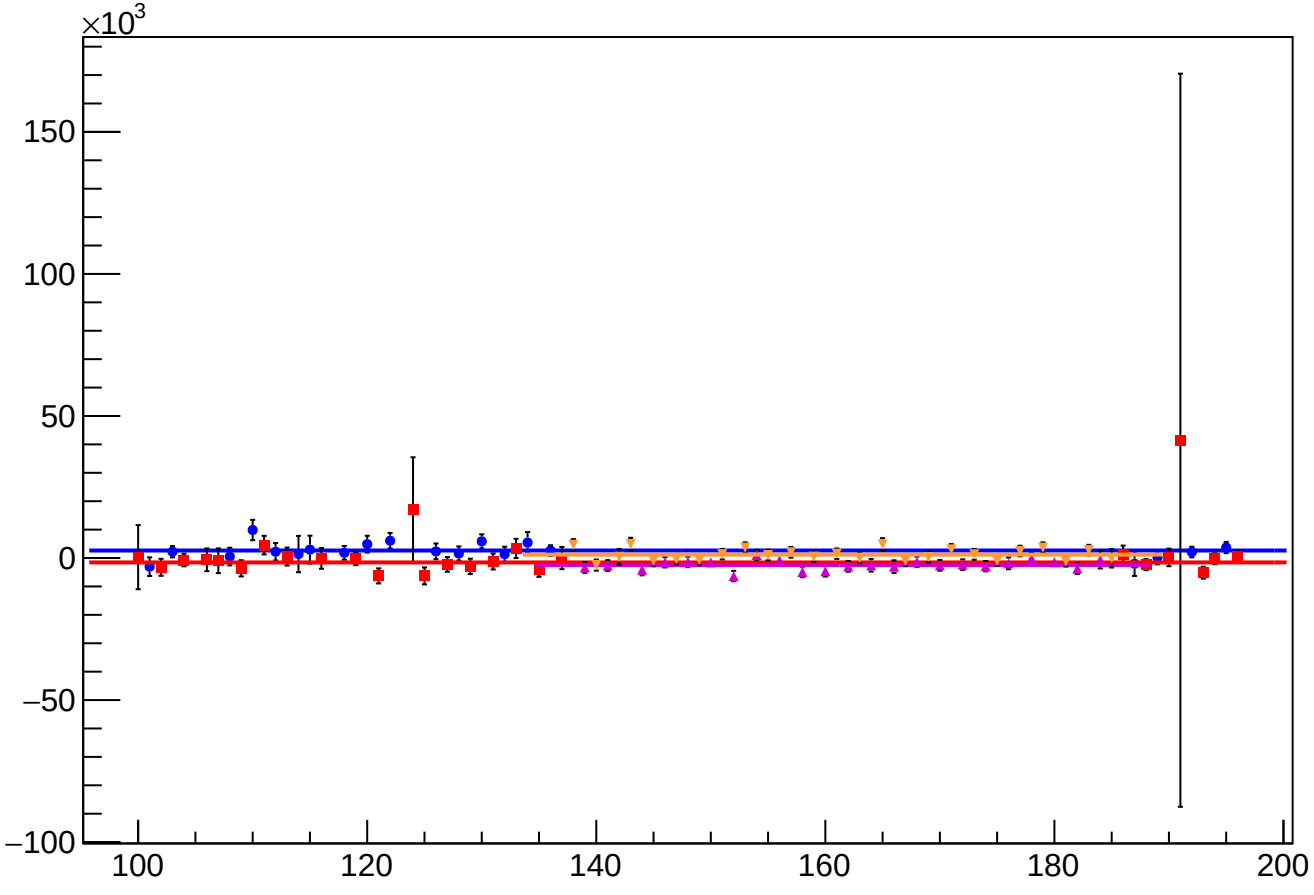
+ sign -0.000+/-0.000 χ^2/NDF: 33.3/44

All: 0.000+/-0.000 χ^2/NDF: 80.1/93

- 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: 7358669.0/19
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: 11285853.6/44
All: 0.000+/-0.000 χ²/NDF: 24609129.5/93
- sign 0.000+/-0.000 χ²/NDF: 13216771.5/48

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2648.008+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1546.275+/-557.640 χ^2/NDF: 21.8/25

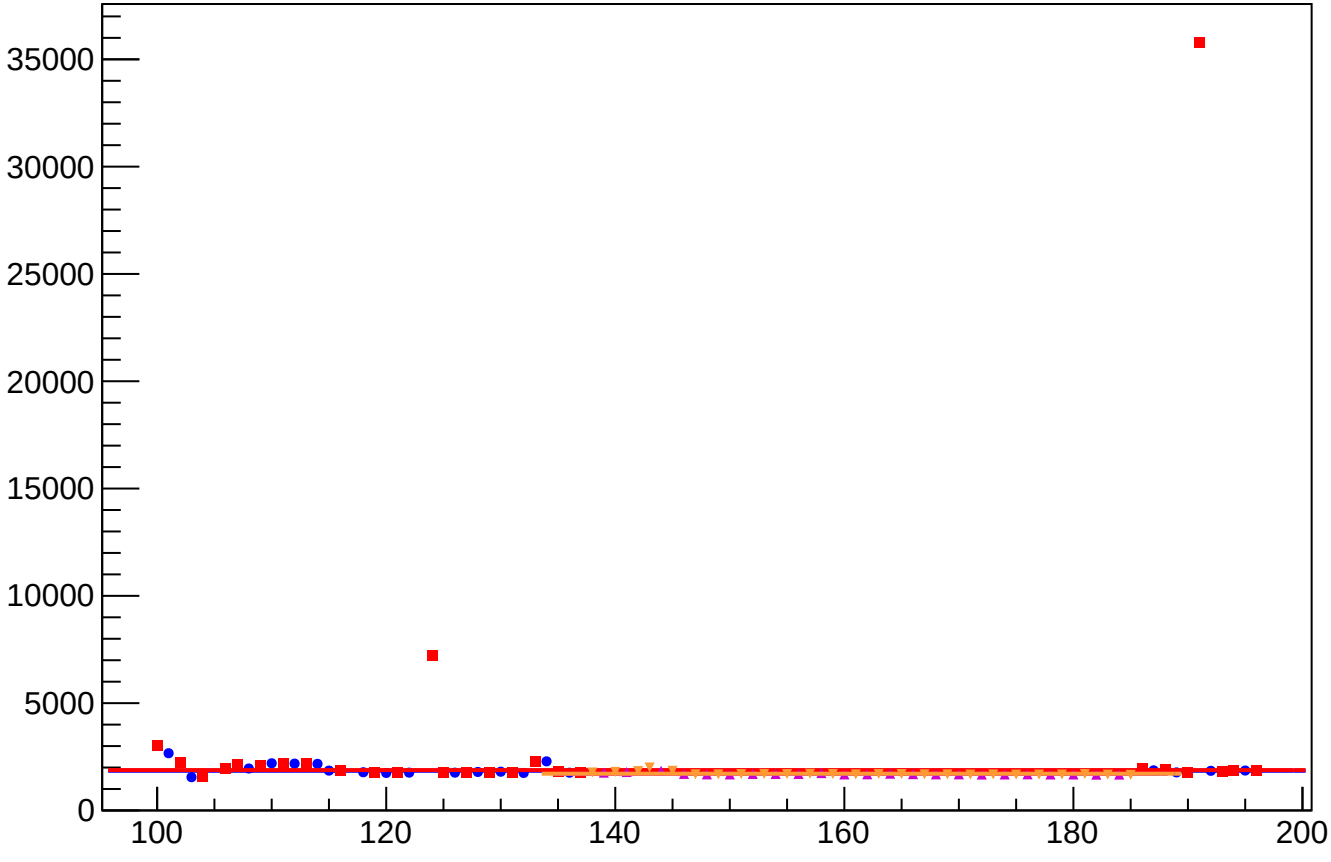
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1636.186+/-325.559 χ^2/NDF: 45.6/44

All: -260.216+/-229.629 χ^2/NDF: 154.1/93

- sign -2137.755+/-323.936 χ^2/NDF: 41.0/48

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.7/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1880.792+/-0.394 χ^2/NDF: 516720.3/25

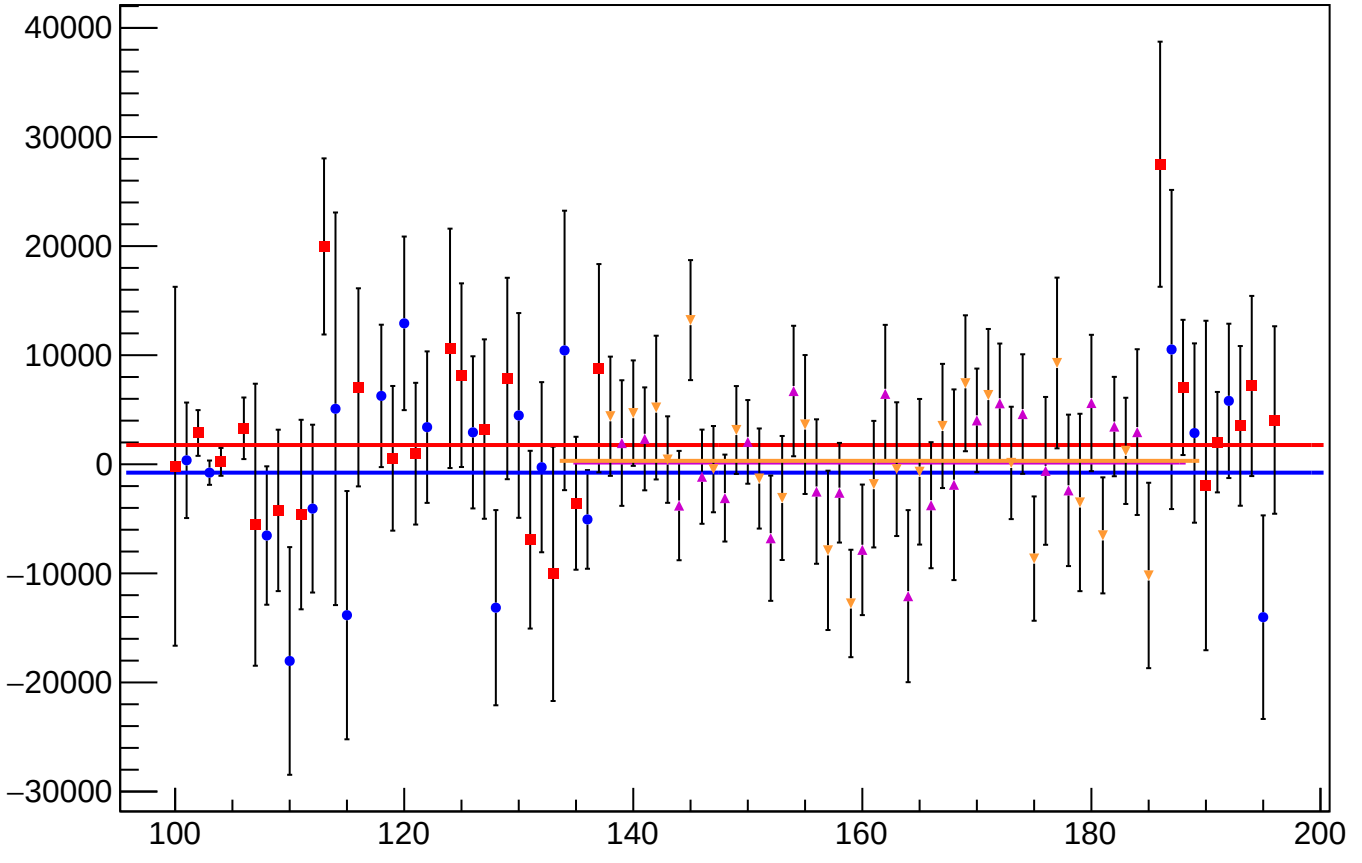
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.1/44

All: 1758.452+/-0.162 χ^2/NDF: 1074570.0/93

- sign 1763.752+/-0.229 χ^2/NDF: 672779.0/48

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -768.353+/-940.955 χ^2/NDF: 17.5/19

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1764.749+/-868.941 χ^2/NDF: 20.8/25

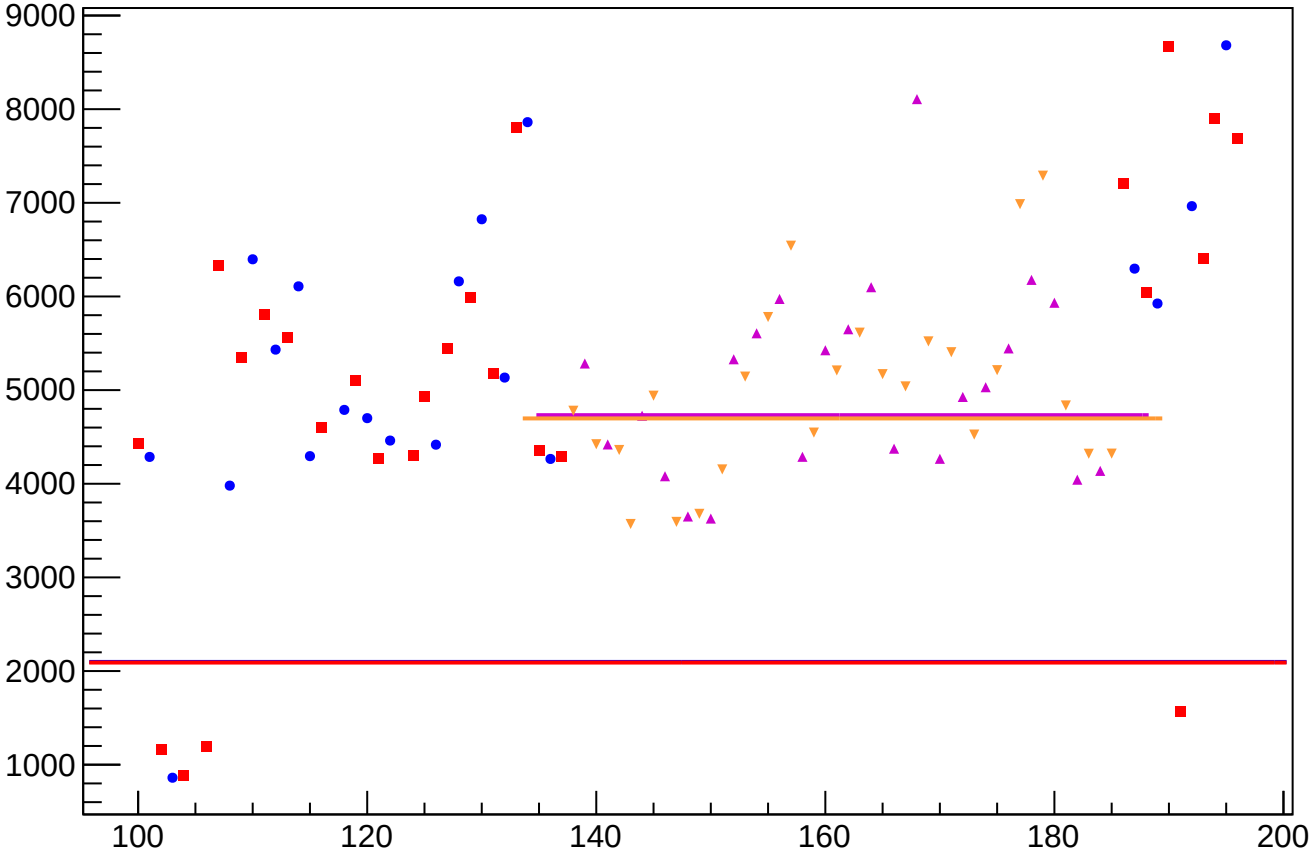
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -307.119+/-712.819 χ^2/NDF: 45.1/44

All: 455.359+/-495.208 χ^2/NDF: 84.1/93

- sign 1166.648+/-688.476 χ^2/NDF: 36.8/48

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2097.408+/-0.665 χ^2/NDF: 9505612.2/19

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2090.738+/-0.614 χ^2/NDF: 10857604.2/25

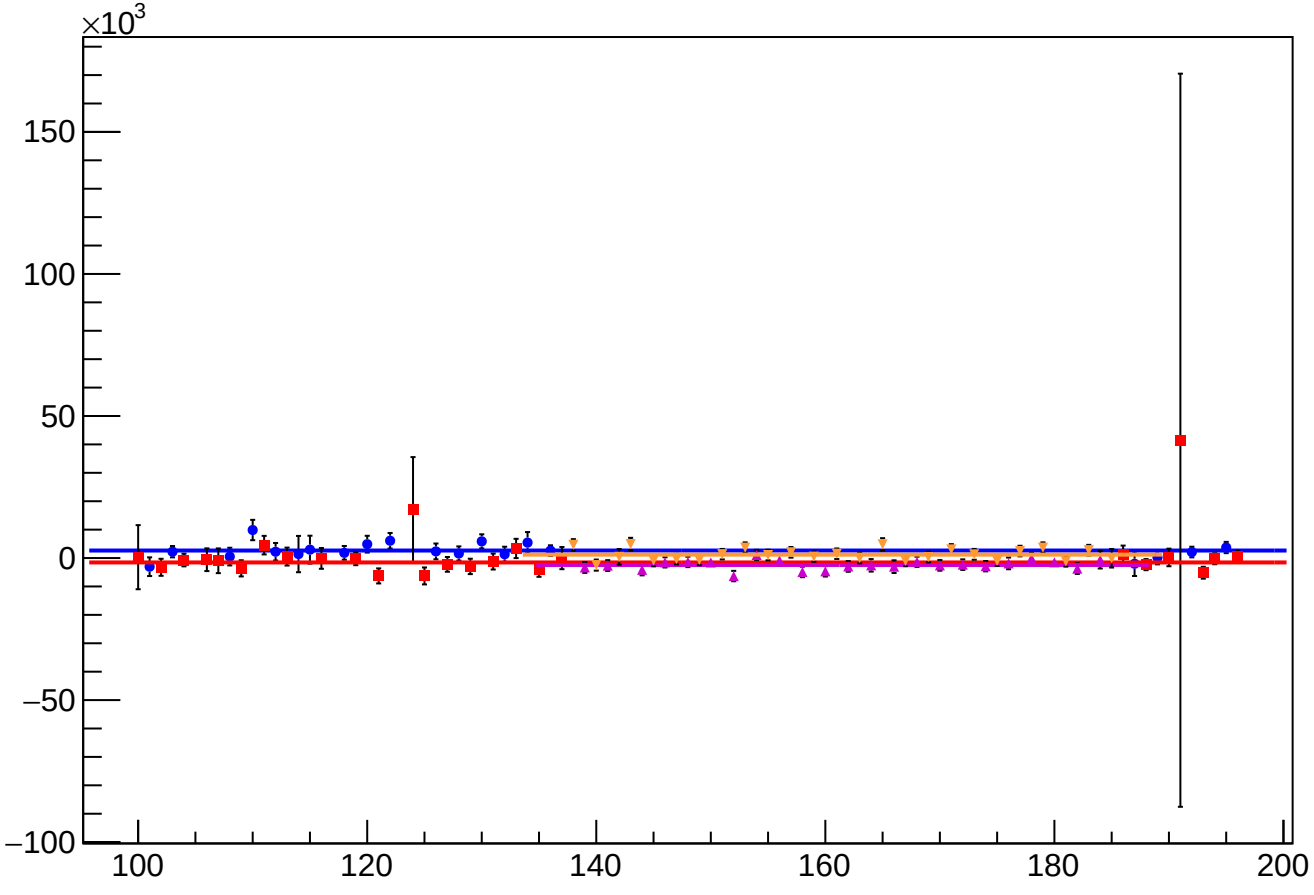
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3205.412+/-0.504 χ^2/NDF: 17252914.0/44

All: 3137.458+/-0.350 χ^2/NDF: 36269100.6/9

- sign 3074.067+/-0.487 χ^2/NDF: 18981054.7/48

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.117+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1545.428+/-557.641 χ^2/NDF: 21.8/25

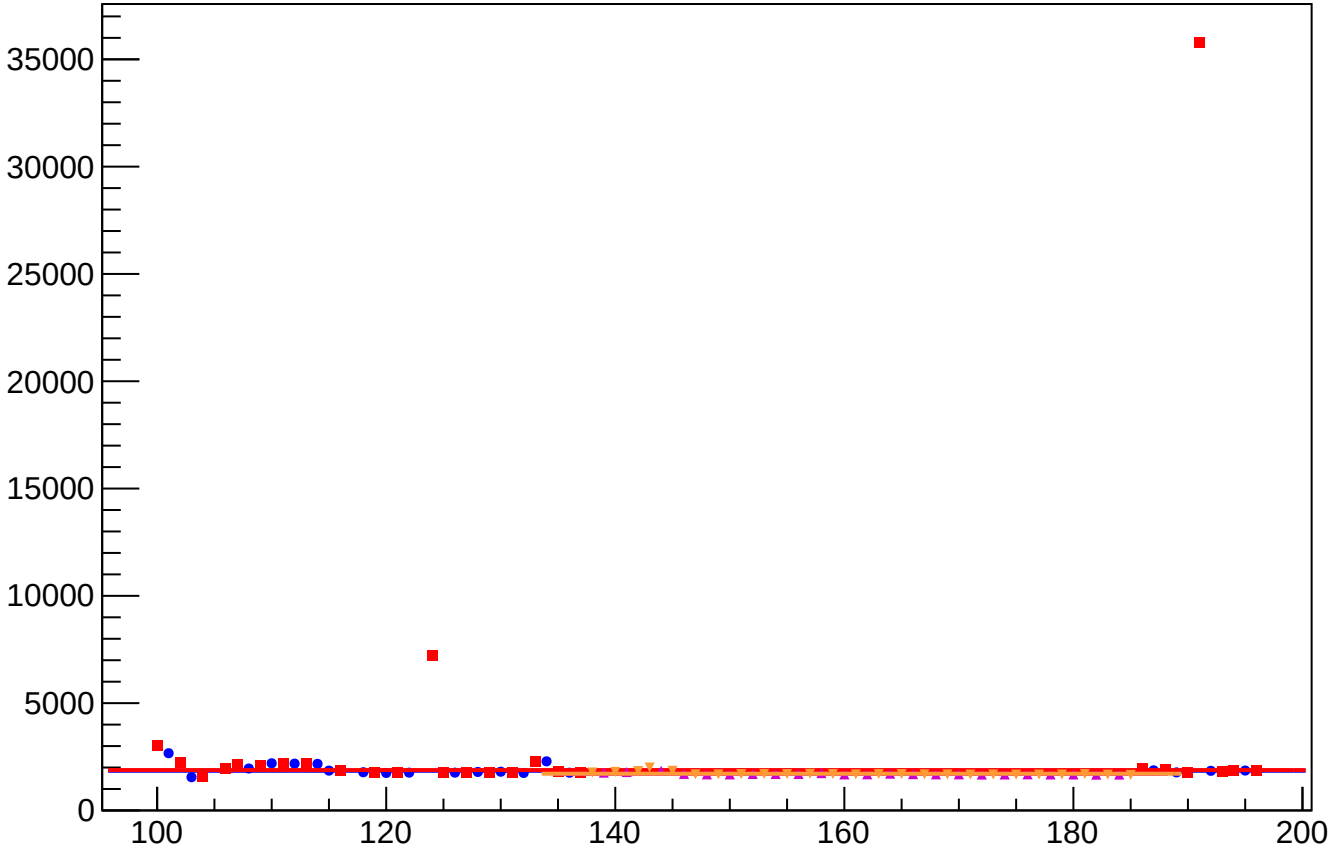
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1636.150+/-325.559 χ^2/NDF: 45.6/44

All: -260.067+/-229.629 χ^2/NDF: 154.1/93

- sign -2137.425+/-323.936 χ^2/NDF: 41.0/48

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.5/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1881.074+/-0.394 χ^2/NDF: 517001.3/25

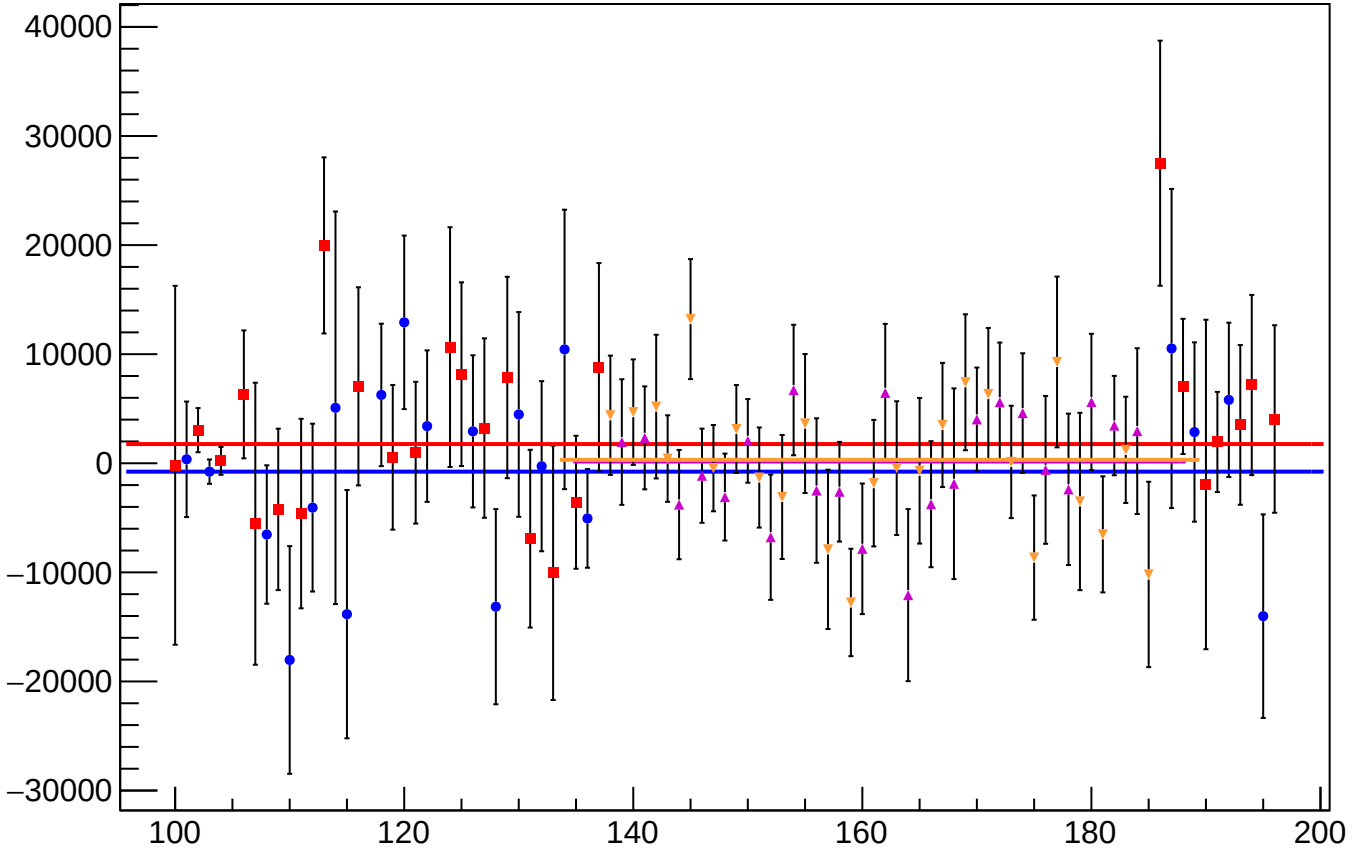
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.0/44

All: 1758.494+/-0.162 χ^2/NDF: 1075270.1/93

- sign 1763.837+/-0.229 χ^2/NDF: 673462.1/48

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -767.896+/-940.905 χ^2/NDF: 17.5/19

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1760.810+/-896.234 χ^2/NDF: 21.2/25

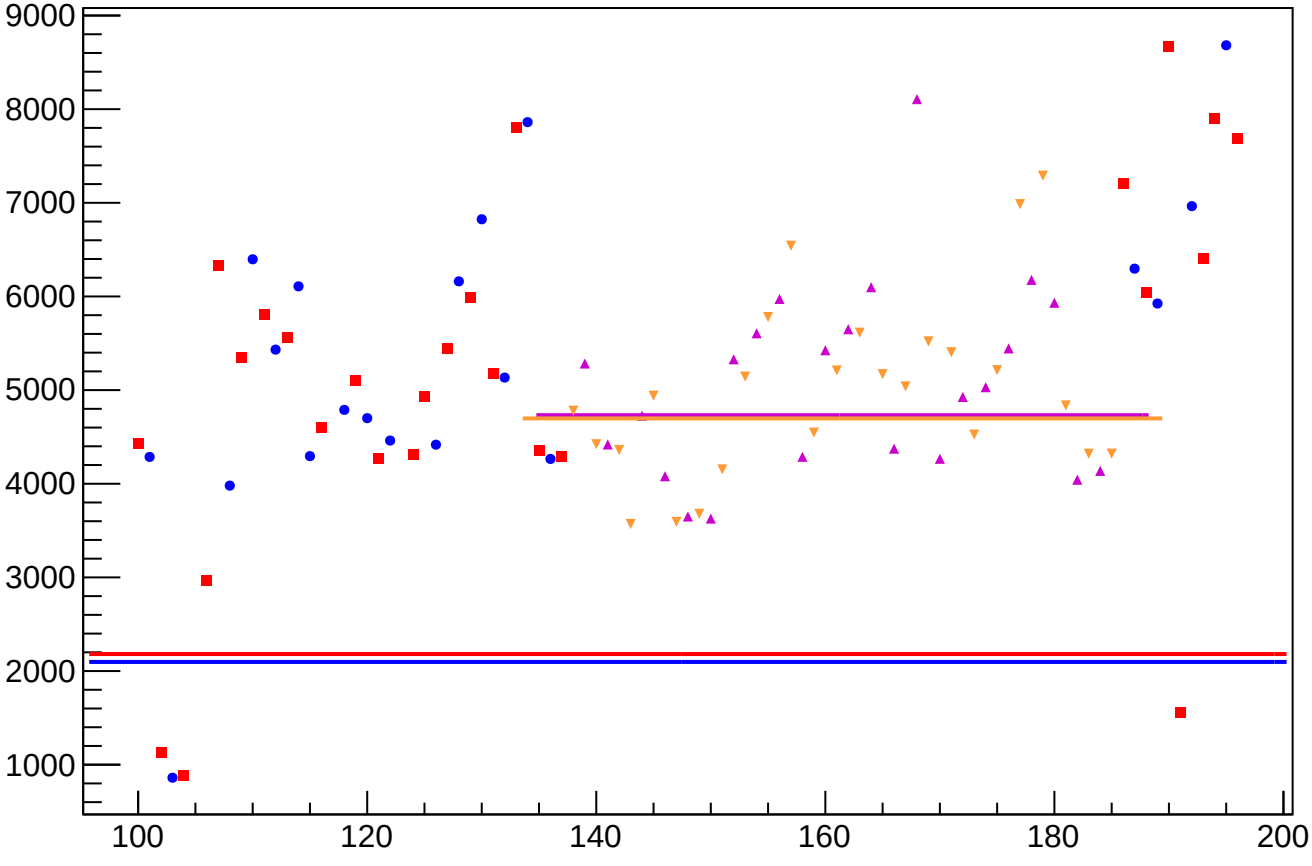
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -306.870+/-712.797 χ^2/NDF: 45.1/44

All: 428.221+/-500.096 χ^2/NDF: 84.4/93

\- sign 1140.835+/-701.815 χ^2/NDF: 37.2/48

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2097.238+/-0.665 χ^2/NDF: 9506198.0/19

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2181.555+/-0.634 χ^2/NDF: 10743970.4/25

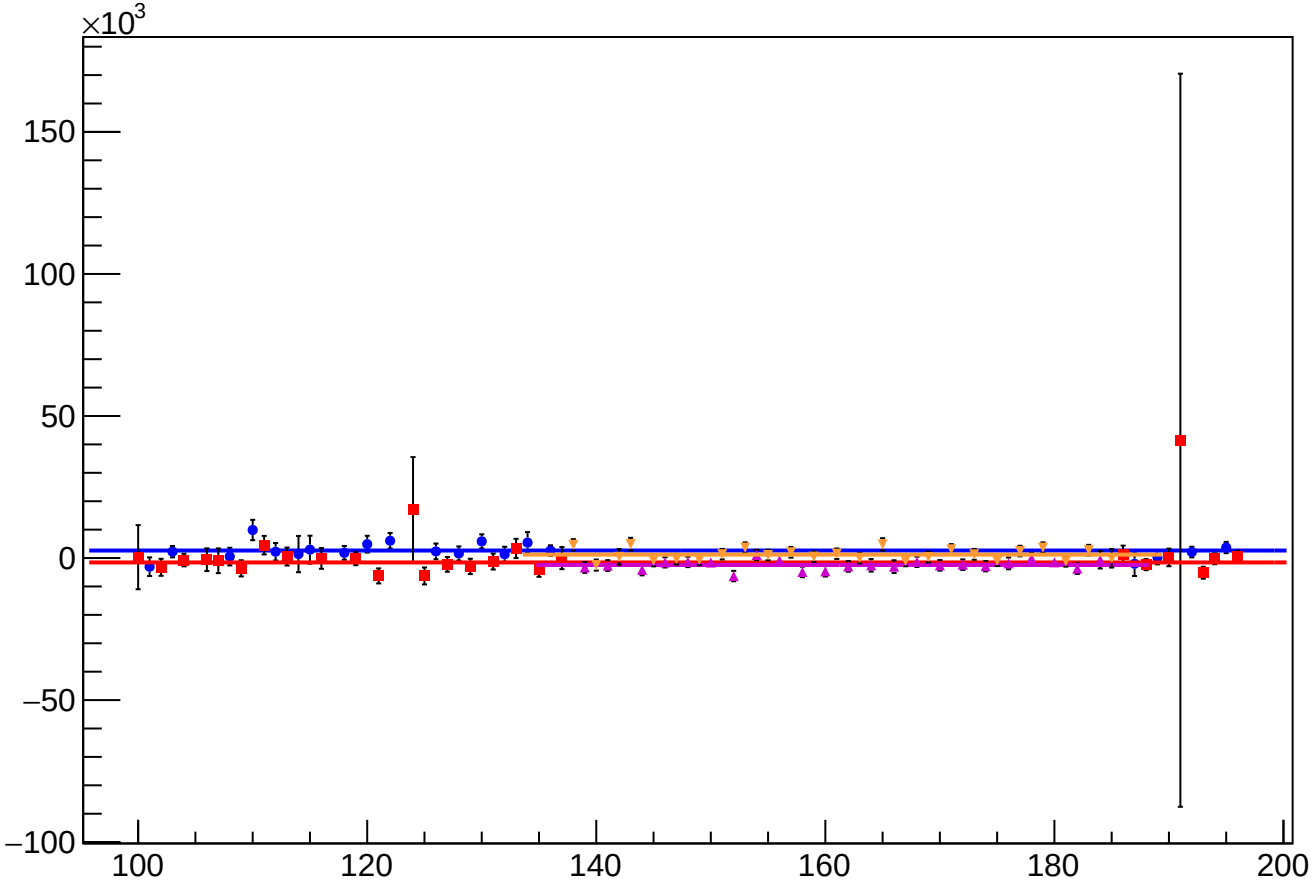
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3205.246+/-0.504 χ^2/NDF: 17254647.9/44

All: 3186.450+/-0.354 χ^2/NDF: 35511009.5/9

- sign 3168.228+/-0.496 χ^2/NDF: 18253622.7/48

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.117+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1545.428+/-557.641 χ^2/NDF: 21.8/25

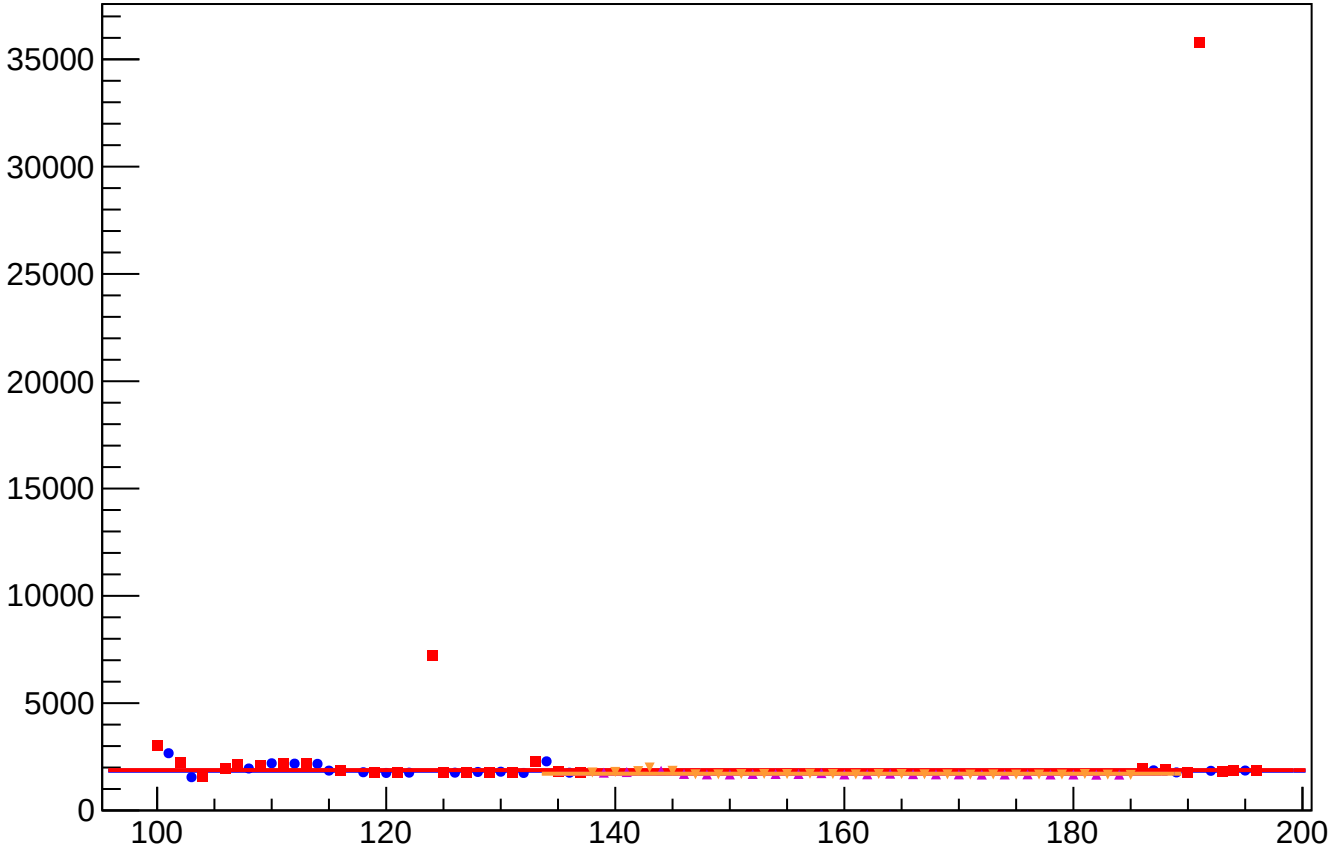
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1636.150+/-325.559 χ^2/NDF: 45.6/44

All: -260.067+/-229.629 χ^2/NDF: 154.1/93

- sign -2137.425+/-323.936 χ^2/NDF: 41.0/48

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.5/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1881.074+/-0.394 χ^2/NDF: 517001.3/25

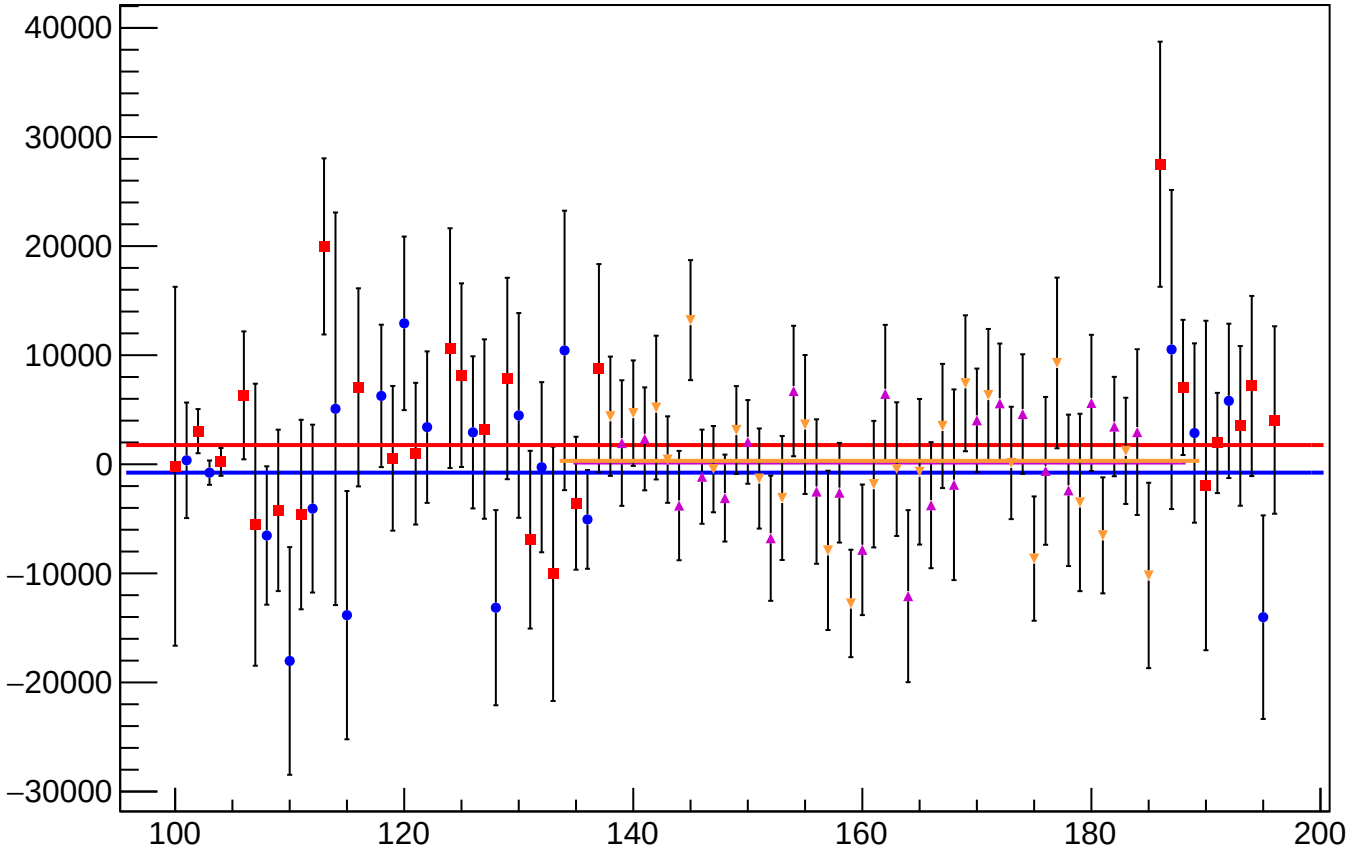
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.0/44

All: 1758.494+/-0.162 χ^2/NDF: 1075270.1/93

- sign 1763.837+/-0.229 χ^2/NDF: 673462.1/48

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -767.896+/-940.905 χ^2/NDF: 17.5/19

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

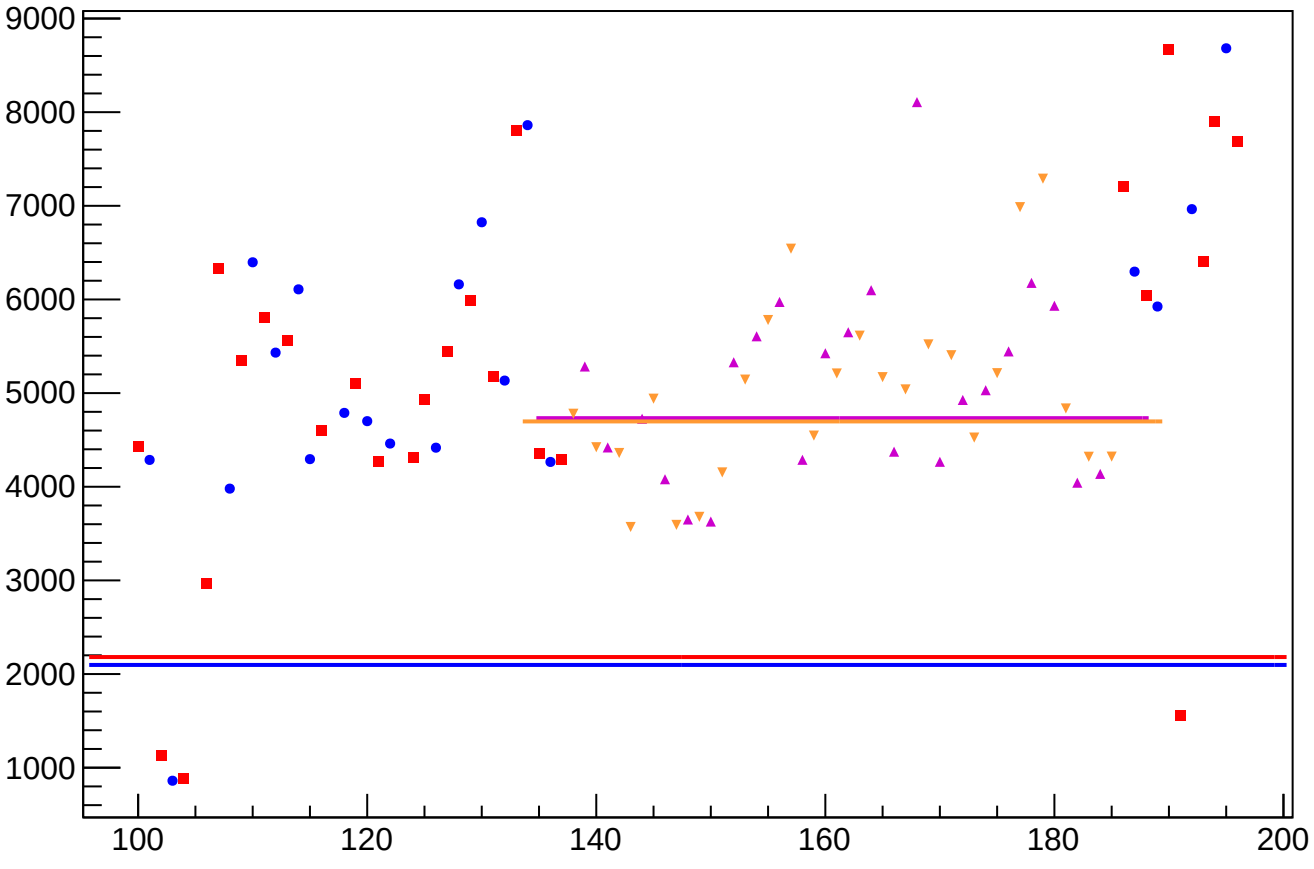
Right Out: 1760.810+/-896.234 χ^2/NDF: 21.2/25

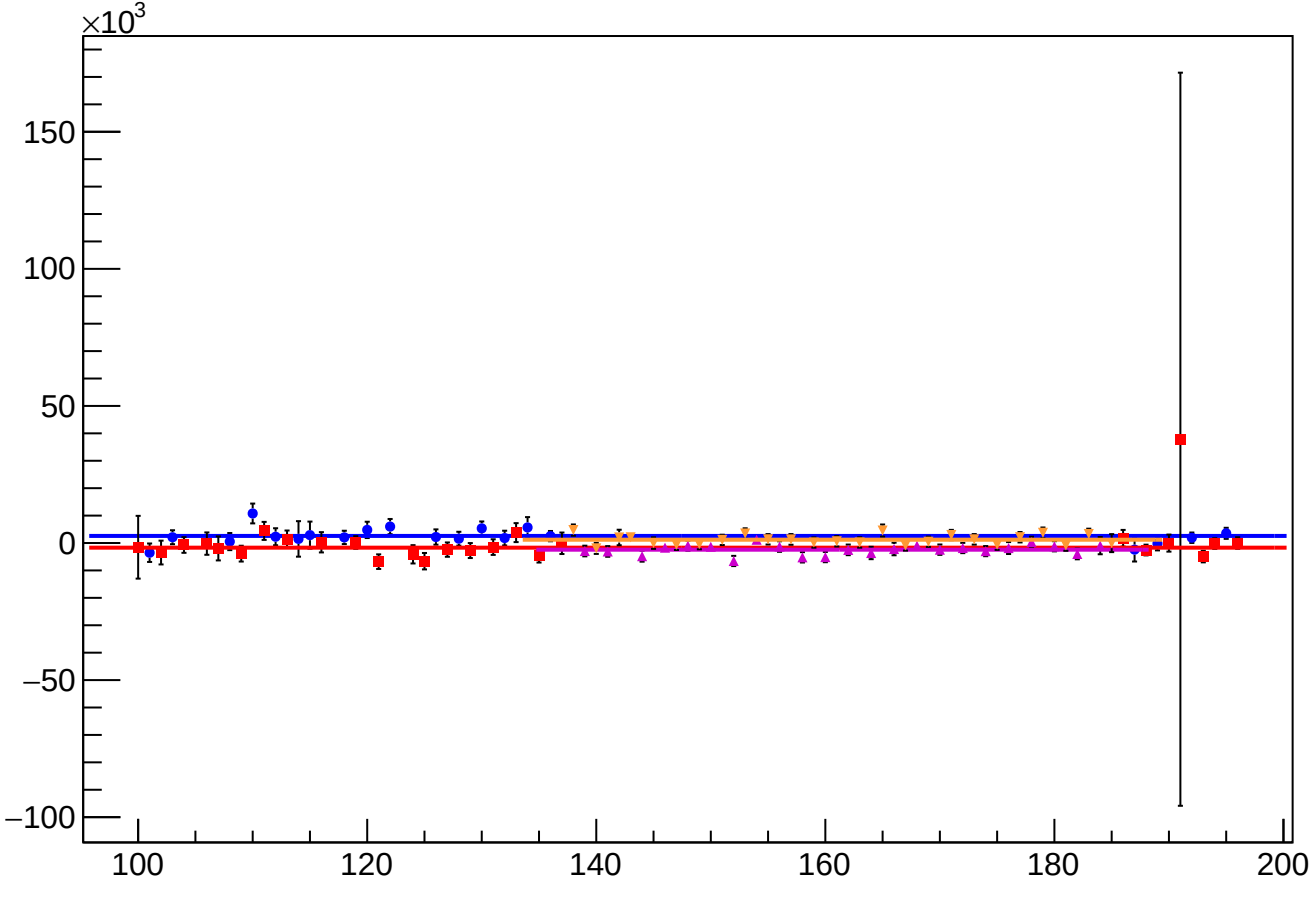
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -306.870+/-712.797 χ^2/NDF: 45.1/44

All: 428.221+/-500.096 χ^2/NDF: 84.4/93

- sign 1140.835+/-701.815 χ^2/NDF: 37.2/48


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2097.238+/-0.665 χ²/NDF: 9506198.0/19
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2181.555+/-0.634 χ²/NDF: 10743970.4/25
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
+ sign 3205.246+/-0.504 χ²/NDF: 17254647.9/44
All: 3186.450+/-0.354 χ²/NDF: 35511009.5/9
- sign 3168.228+/-0.496 χ²/NDF: 18253622.7/48



Right In: 2585.458+/-611.261 χ^2/NDF: 16.2/19

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1698.190+/-567.301 χ^2/NDF: 22.9/25

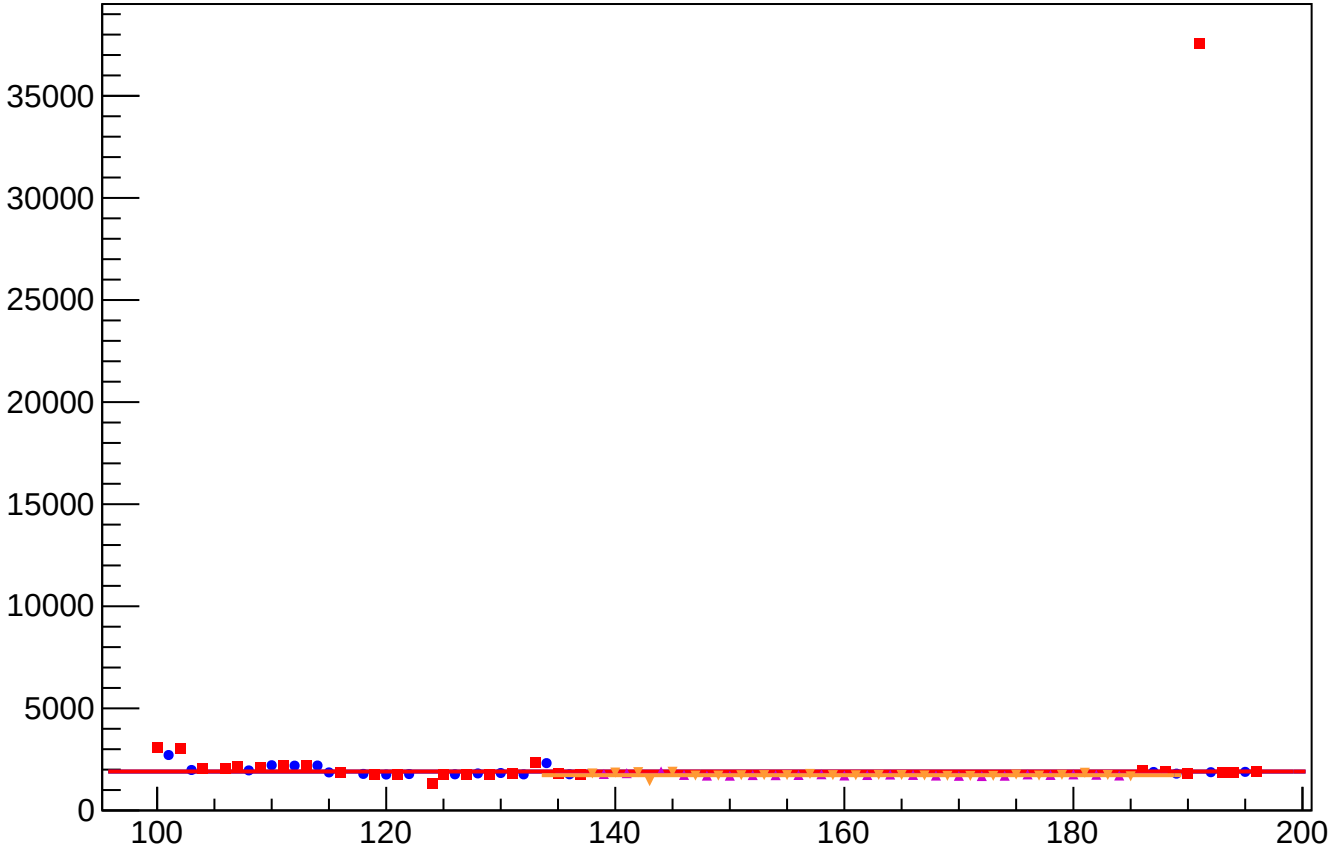
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1603.308+/-330.561 χ^2/NDF: 39.3/44

All: -288.973+/-233.894 χ^2/NDF: 149.6/93

- sign -2186.199+/-330.992 χ^2/NDF: 44.6/48

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1903.502+/-0.432 χ^2/NDF: 220332.3/19

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

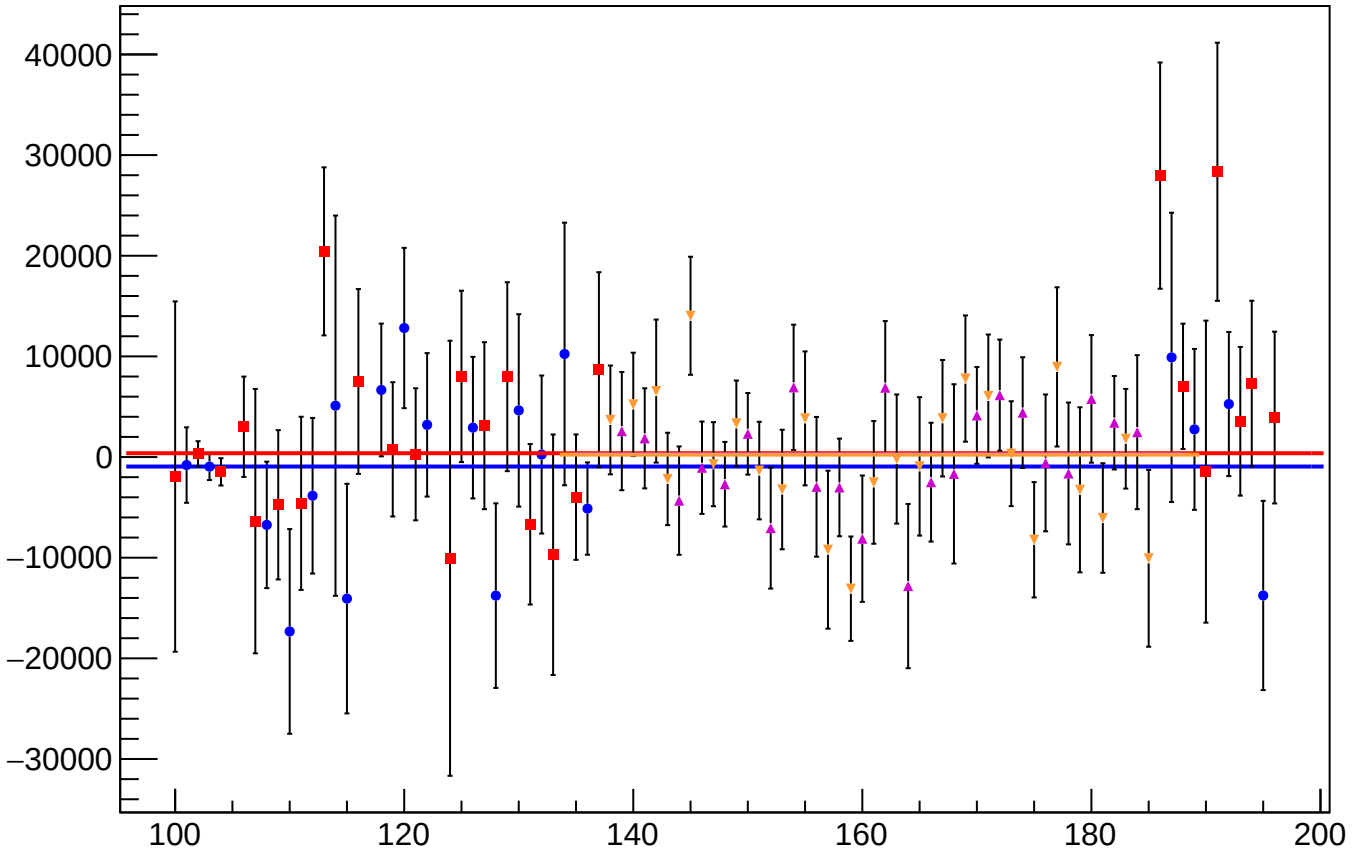
Right Out: 1909.144+/-0.401 χ^2/NDF: 497992.3/25

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1778.784+/-0.234 χ^2/NDF: 448276.6/44

All: 1789.716+/-0.165 χ^2/NDF: 1088454.9/93

- sign 1800.672+/-0.234 χ^2/NDF: 635798.7/48



Right In: -942.588+/-1042.099 χ^2/NDF: 17.2/19

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 378.125+/-810.275 χ^2/NDF: 27.1/25

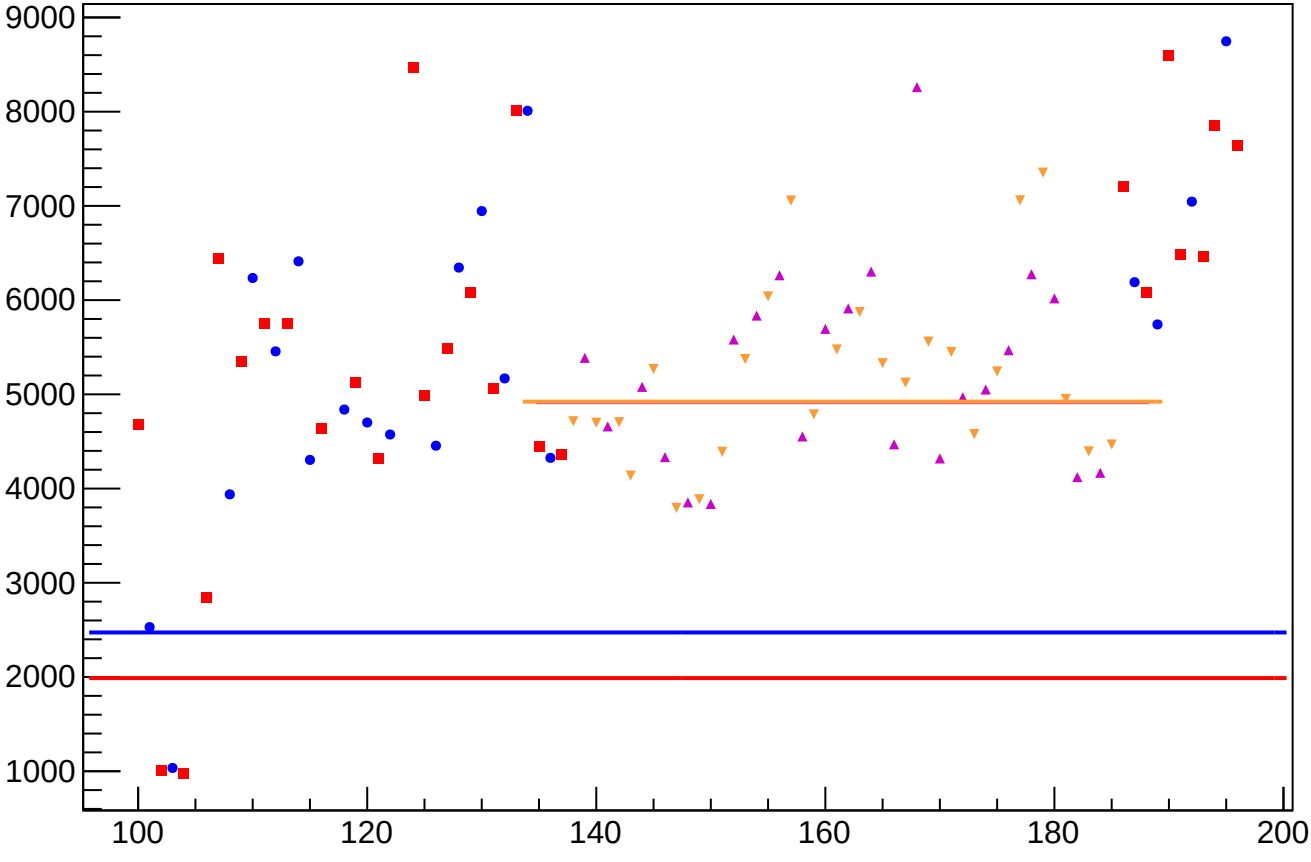
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -404.225+/-769.456 χ^2/NDF: 44.5/44

All: 29.537+/-503.705 χ^2/NDF: 86.7/93

- sign 354.808+/-666.317 χ^2/NDF: 41.6/48

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2472.682+/-0.737 χ^2/NDF: 7795033.2/19

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1988.584+/-0.573 χ^2/NDF: 11699080.1/25

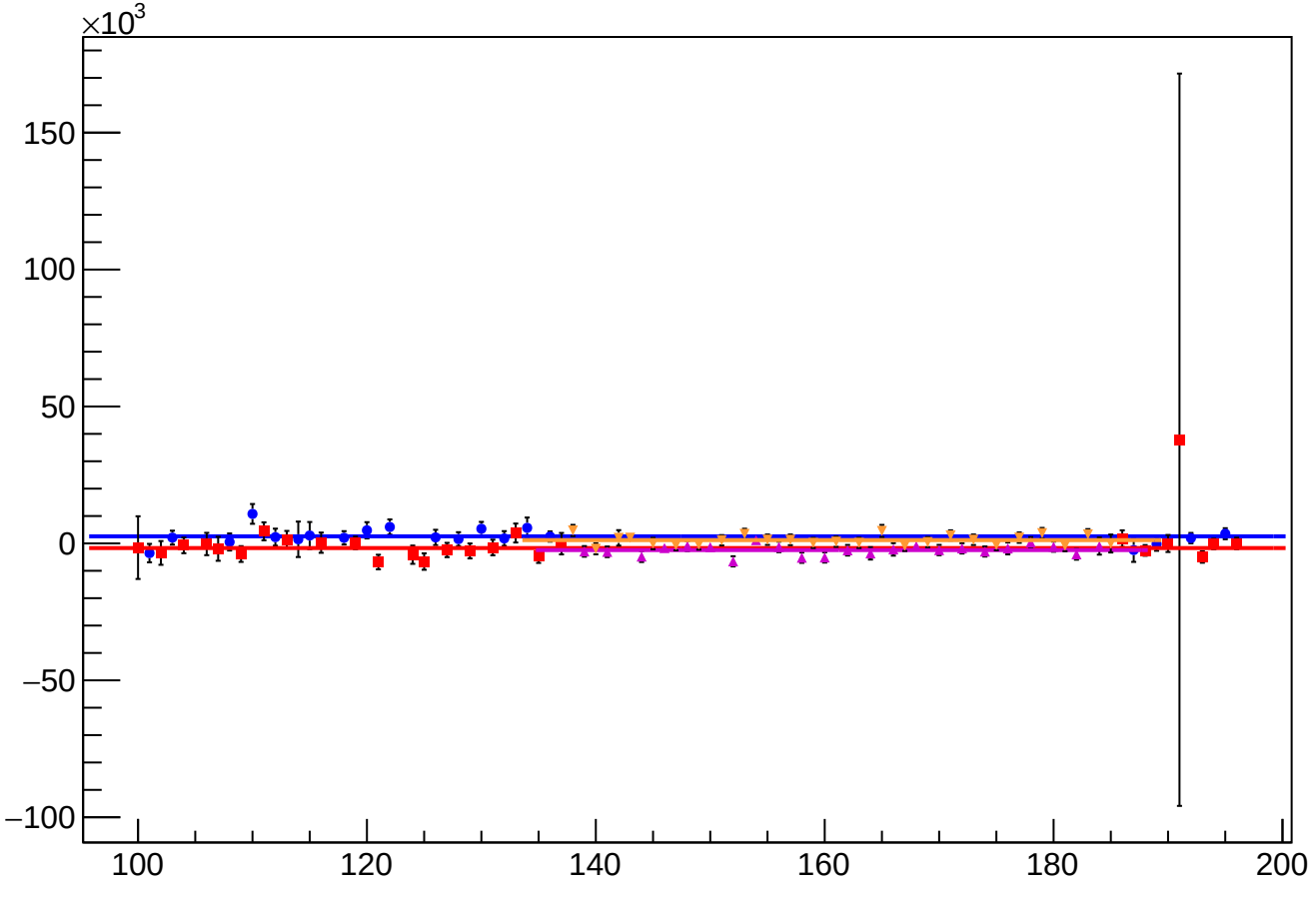
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3586.821+/-0.544 χ^2/NDF: 13871925.8/44

All: 3215.298+/-0.356 χ^2/NDF: 36006276.0/9

- sign 2936.699+/-0.471 χ^2/NDF: 21318438.8/48

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2585.457+/-611.261 χ^2/NDF: 16.2/19

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1698.192+/-567.301 χ^2/NDF: 22.9/25

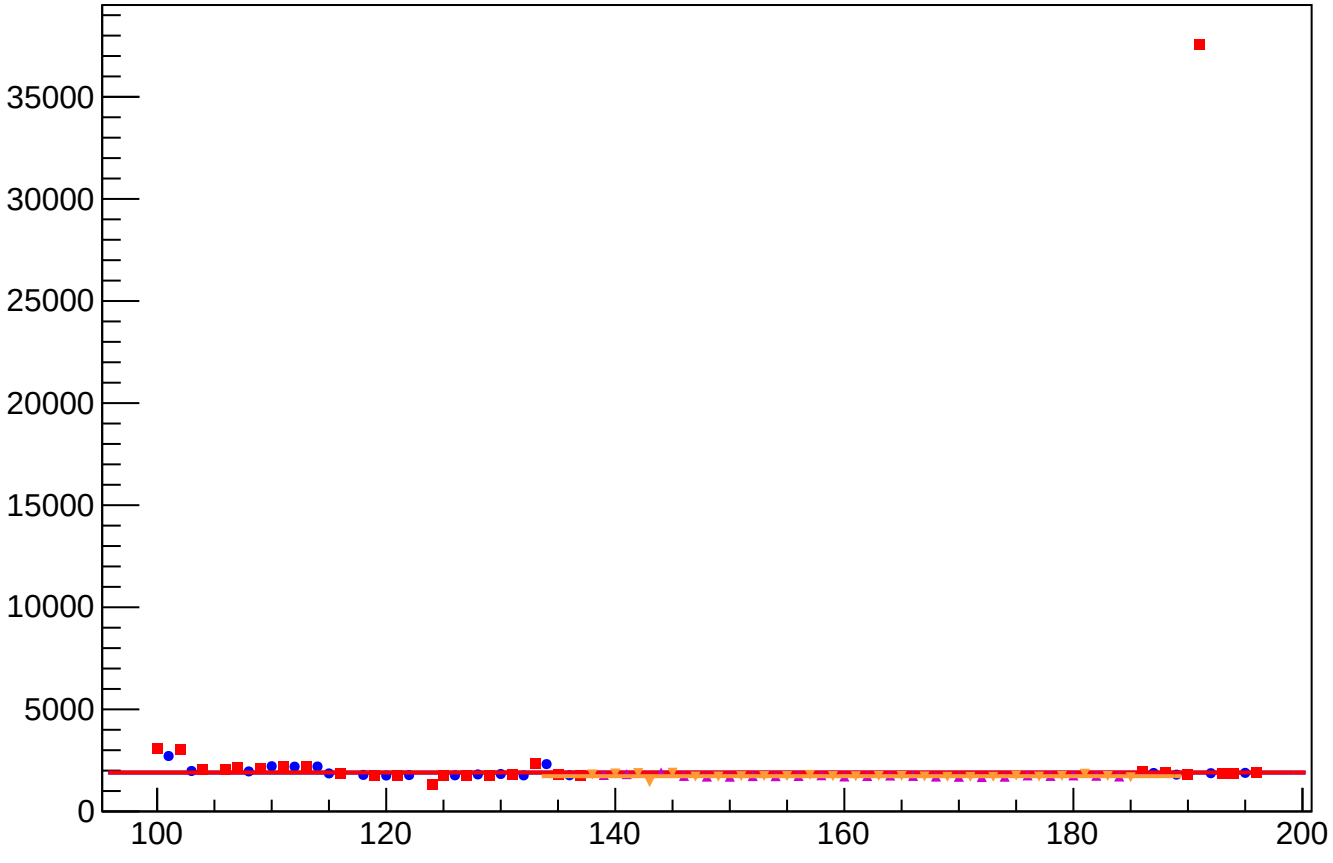
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1603.304+/-330.561 χ^2/NDF: 39.3/44

All: -288.975+/-233.894 χ^2/NDF: 149.6/93

- sign -2186.199+/-330.992 χ^2/NDF: 44.6/48

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1903.502+/-0.432 χ^2/NDF: 220332.5/19

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

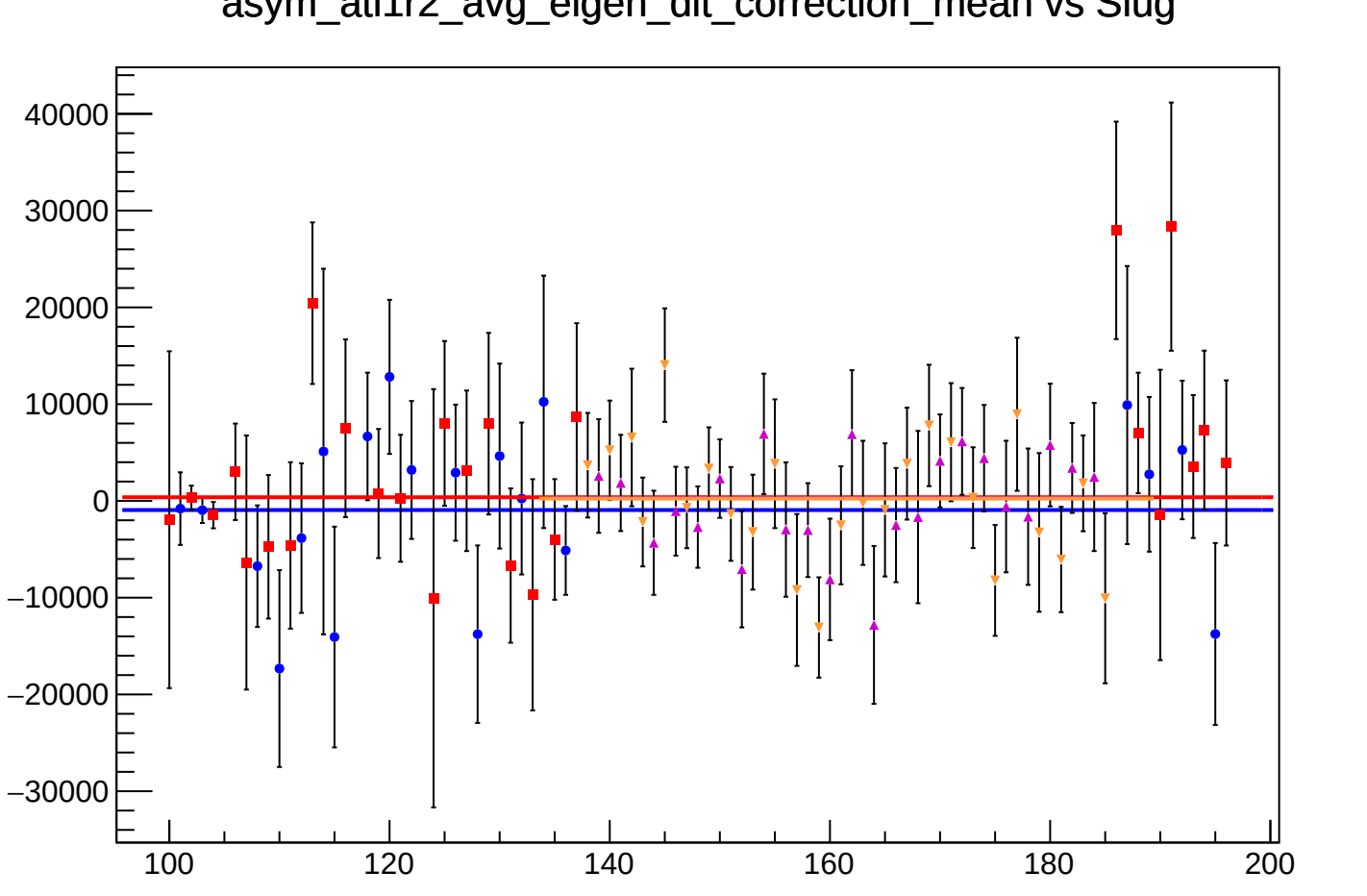
Right Out: 1909.144+/-0.401 χ^2/NDF: 497991.2/25

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1778.784+/-0.234 χ^2/NDF: 448273.8/44

All: 1789.716+/-0.165 χ^2/NDF: 1088449.5/93

- sign 1800.673+/-0.234 χ^2/NDF: 635796.2/48



Right In: -942.585+/-1042.098 χ^2/NDF: 17.2/19

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 378.130+/-810.275 χ^2/NDF: 27.1/25

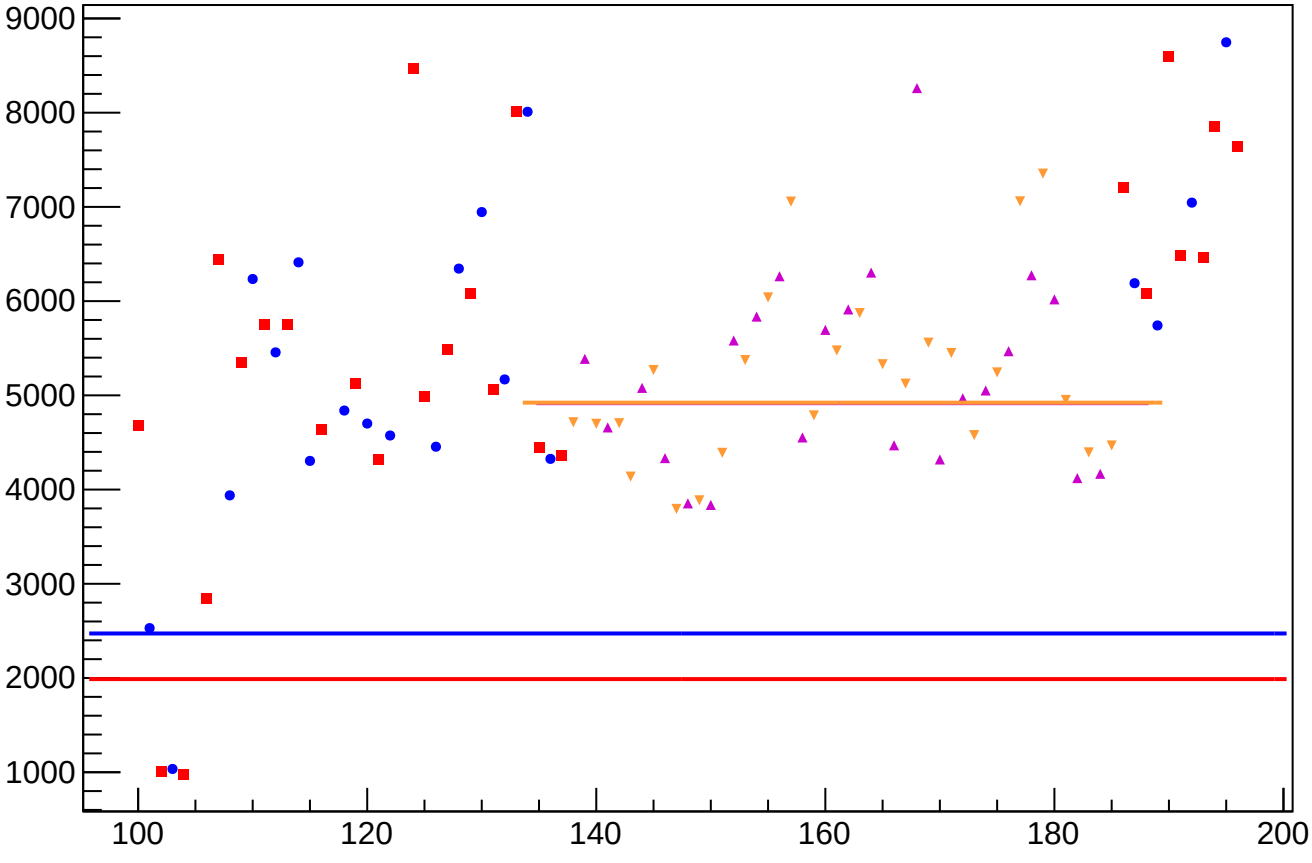
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign -404.226+/-769.457 χ^2/NDF: 44.5/44

All: 29.539+/-503.705 χ^2/NDF: 86.7/93

\- sign 354.812+/-666.317 χ^2/NDF: 41.6/48

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2472.681+/-0.737 χ^2/NDF: 7795029.8/19

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1988.584+/-0.573 χ^2/NDF: 11699073.3/25

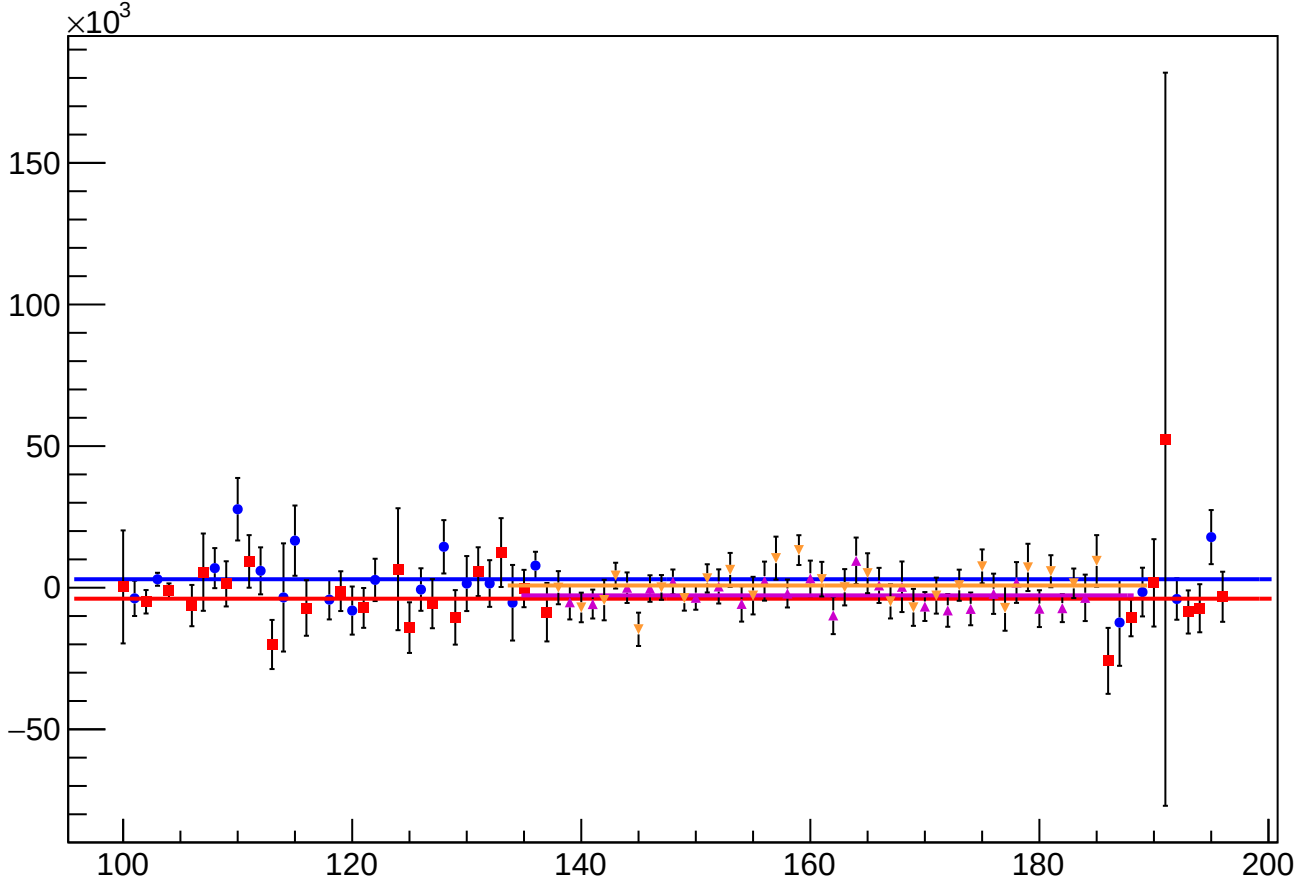
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3586.821+/-0.544 χ^2/NDF: 13871956.1/44

All: 3215.297+/-0.356 χ^2/NDF: 36006337.2/9

- sign 2936.698+/-0.471 χ^2/NDF: 21318467.9/48

asym_atl1r2_avg_mean vs Slug



Right In: 2993.294+/-1459.436 χ^2/NDF: 18.4/19

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3878.328+/-1422.494 χ^2/NDF: 19.3/25

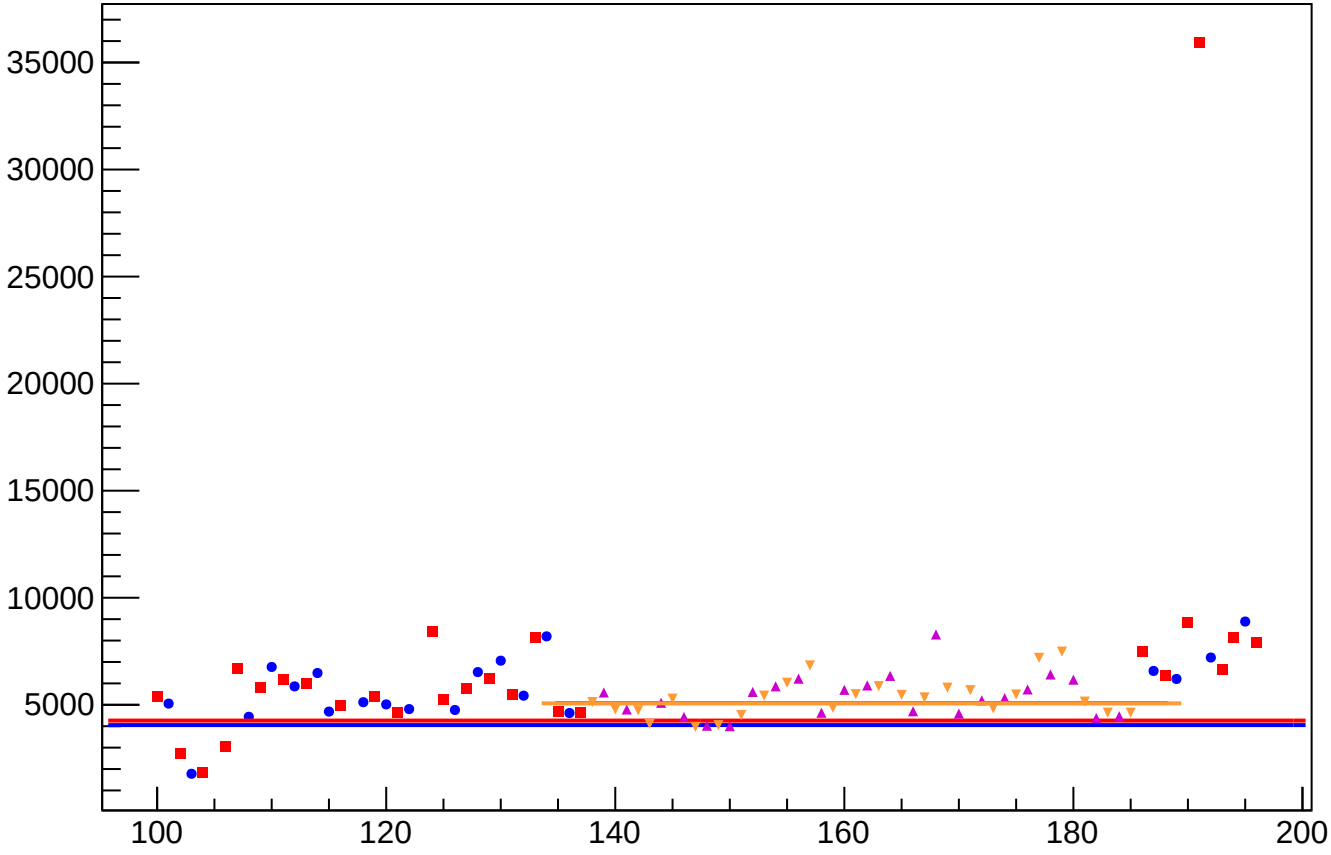
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1652.546+/-913.800 χ^2/NDF: 47.4/44

All: -755.345+/-648.342 χ^2/NDF: 93.0/93

- sign -3196.118+/-920.018 χ^2/NDF: 31.6/48

asym_atl1r2_avg_rms vs Slug



Right In: 4052.683+/-1.032 χ^2/NDF: 4059847.5/19

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4263.677+/-0.997 χ^2/NDF: 4566247.6/25

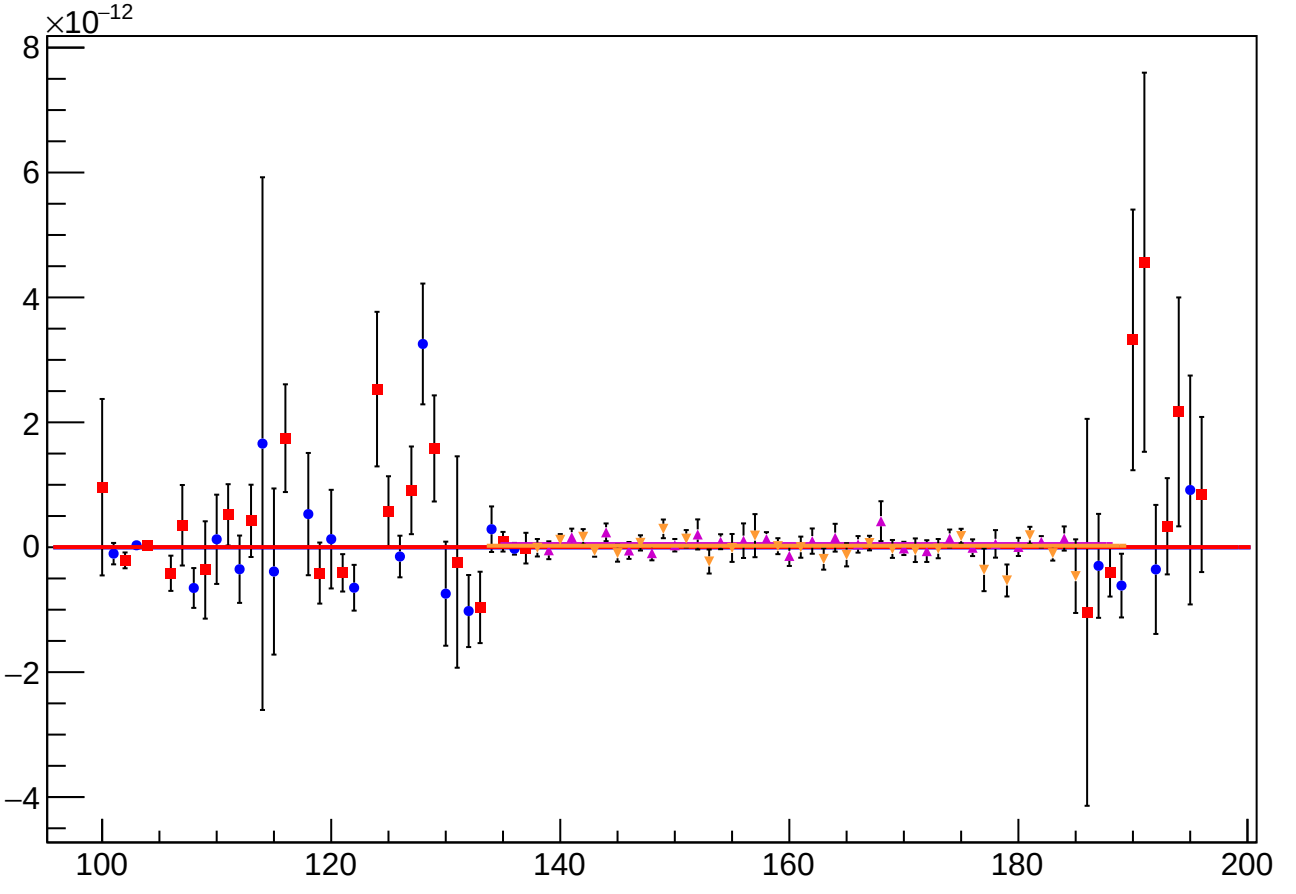
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4669.891+/-0.646 χ^2/NDF: 5602469.7/44

All: 4702.343+/-0.458 χ^2/NDF: 11561650.5/9

- 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: 27.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

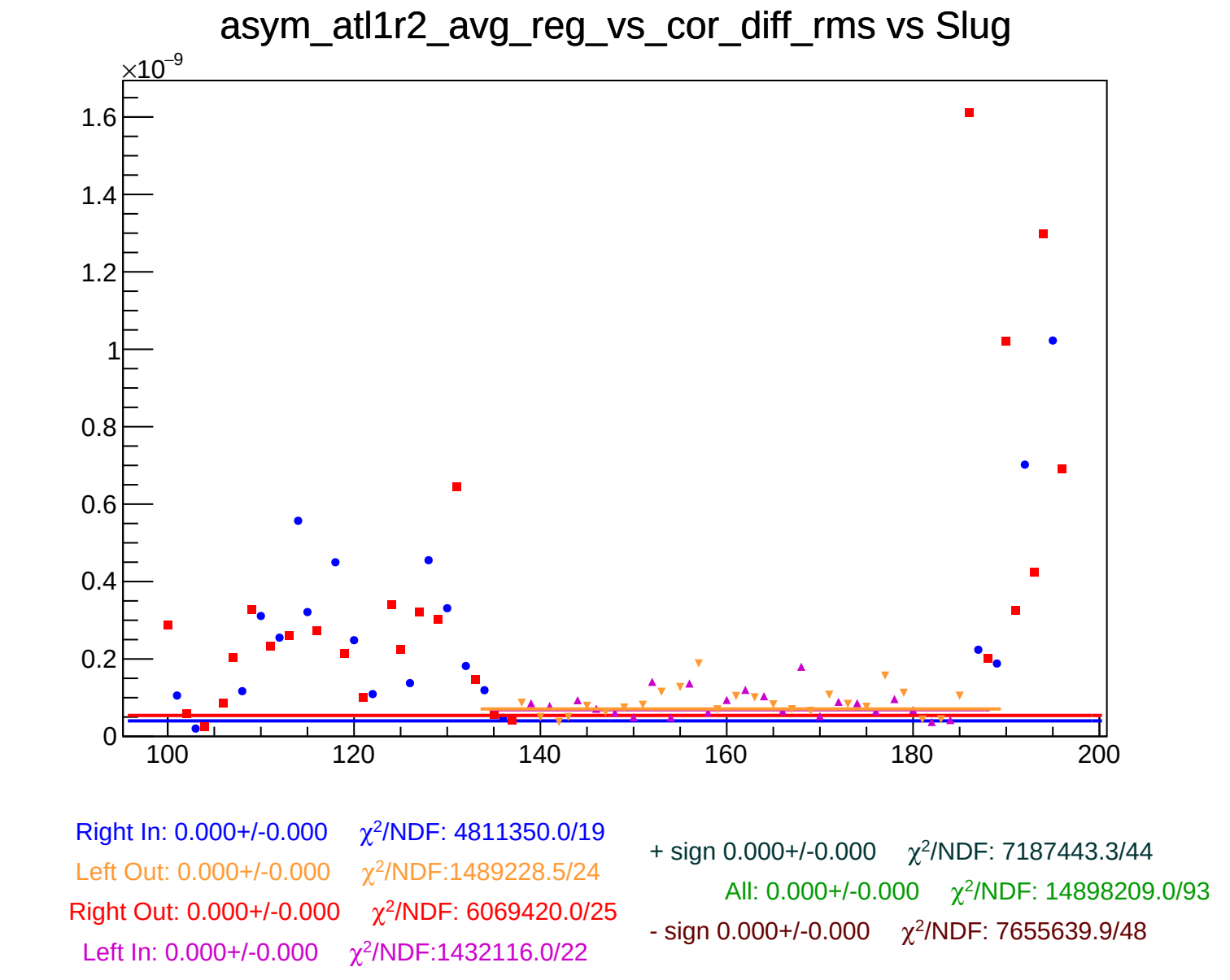
Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/25

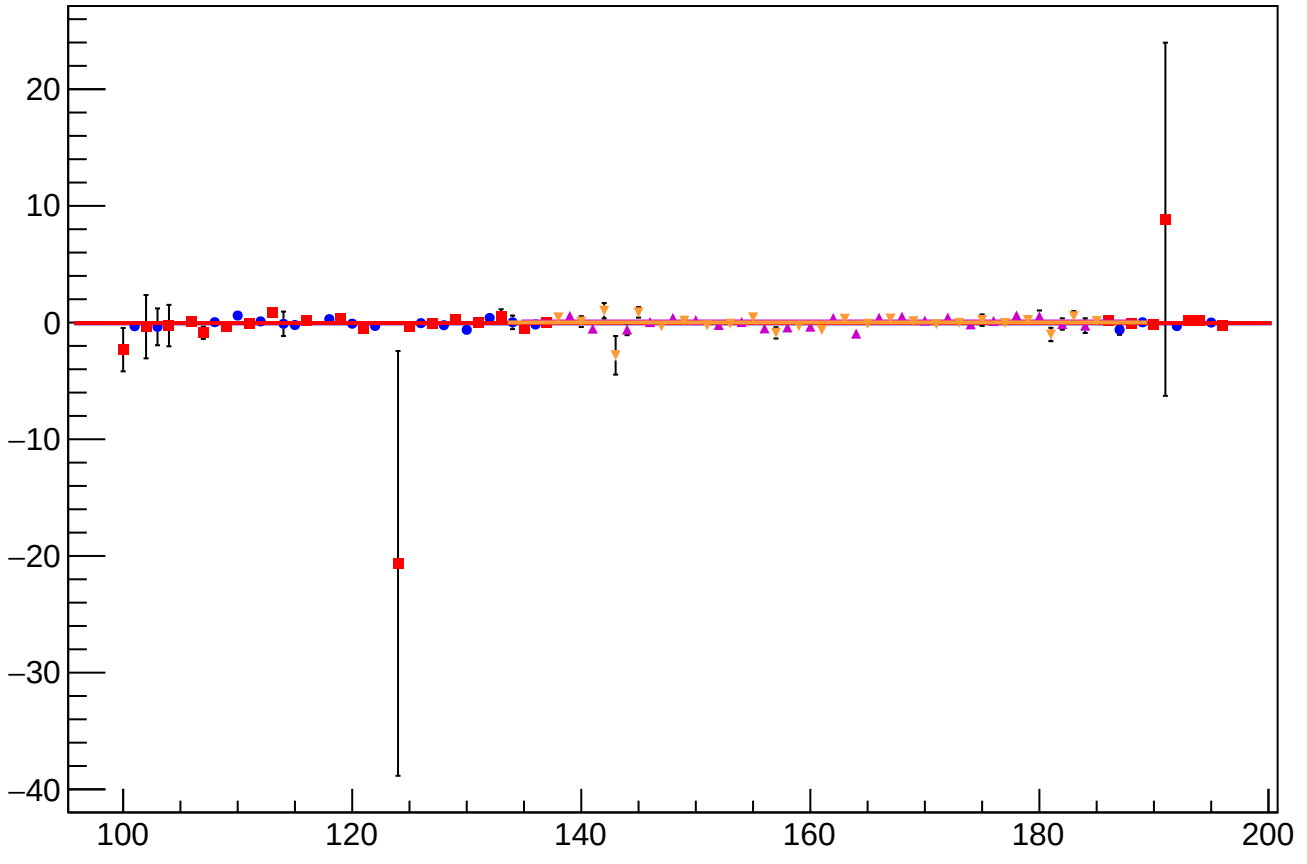
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/44

All: 0.000+/-0.000 χ^2/NDF: 99.8/93

- sign 0.000+/-0.000 χ^2/NDF: 48.0/48


asym_atl1r2_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: 4811350.0/19
Left Out: 0.000+/-0.000 χ²/NDF:1489228.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6069420.0/25
Left In: 0.000+/-0.000 χ²/NDF:1432116.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7187443.3/44
All: 0.000+/-0.000 χ²/NDF: 14898209.0/93
- sign 0.000+/-0.000 χ²/NDF: 7655639.9/48



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

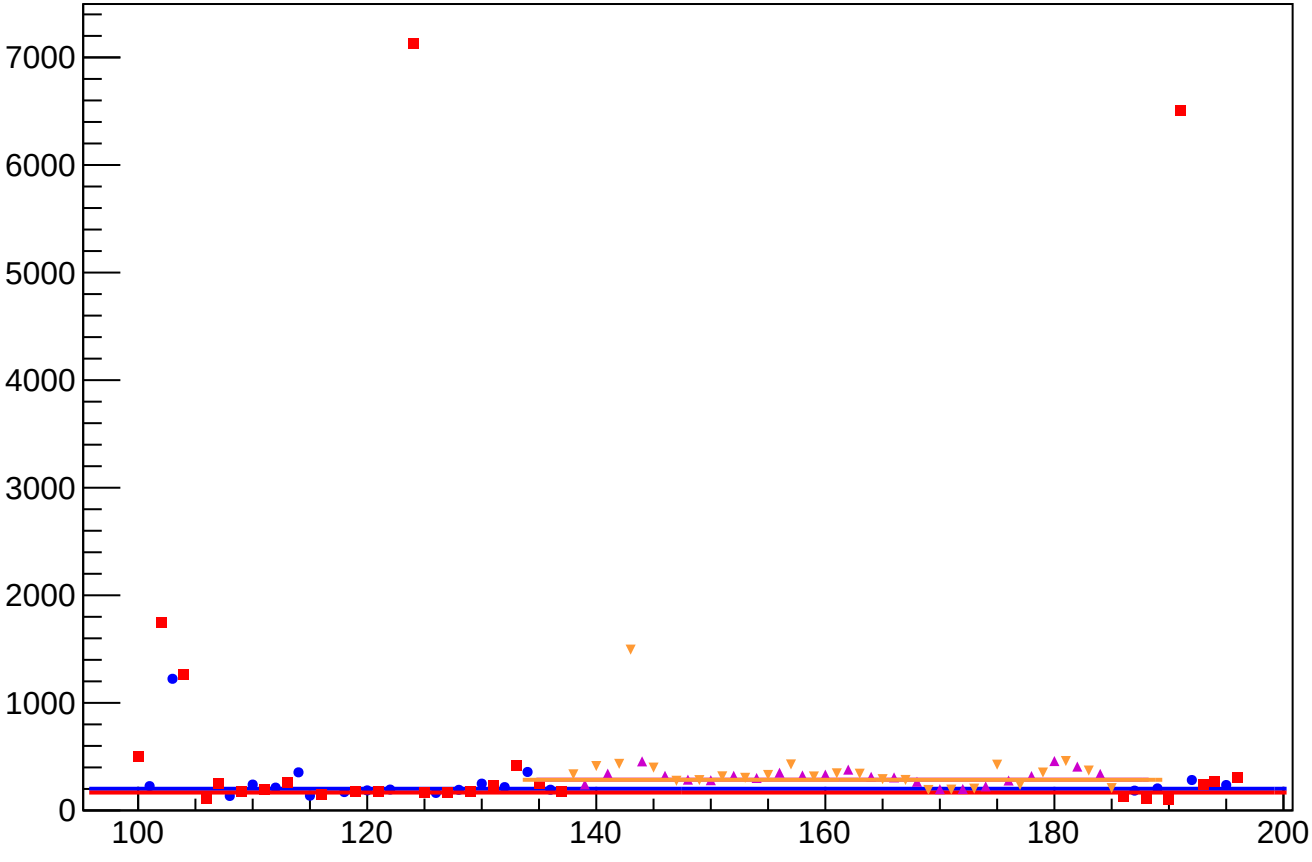
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.006+/-0.033 χ^2/NDF: 103.7/93

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 201.648+/-0.049 χ^2/NDF: 1623081.6/19

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 166.354+/-0.040 χ^2/NDF: 4400534.3/25

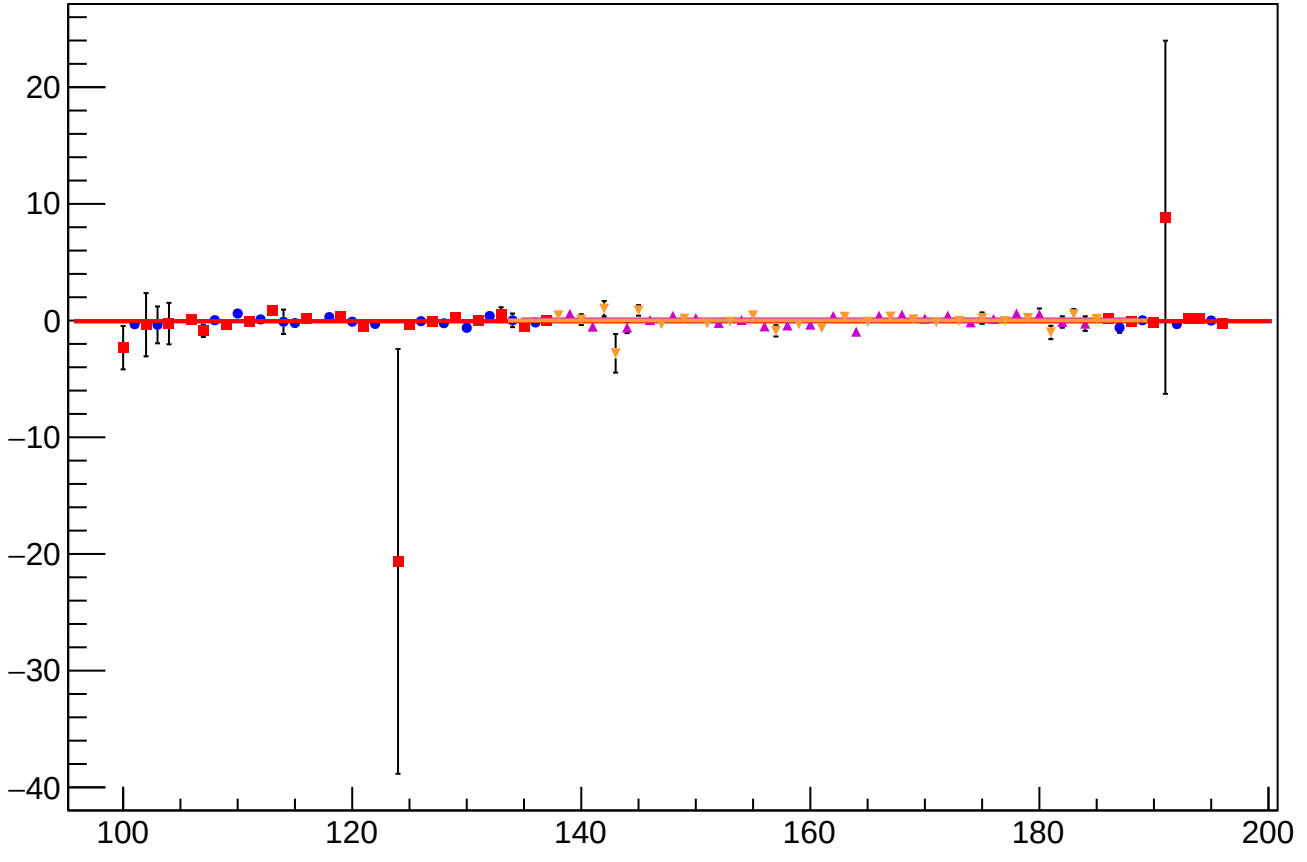
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463208.8/44

All: 226.331+/-0.023 χ^2/NDF: 16543007.1/93

- sign 212.935+/-0.031 χ^2/NDF: 9661005.4/48

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

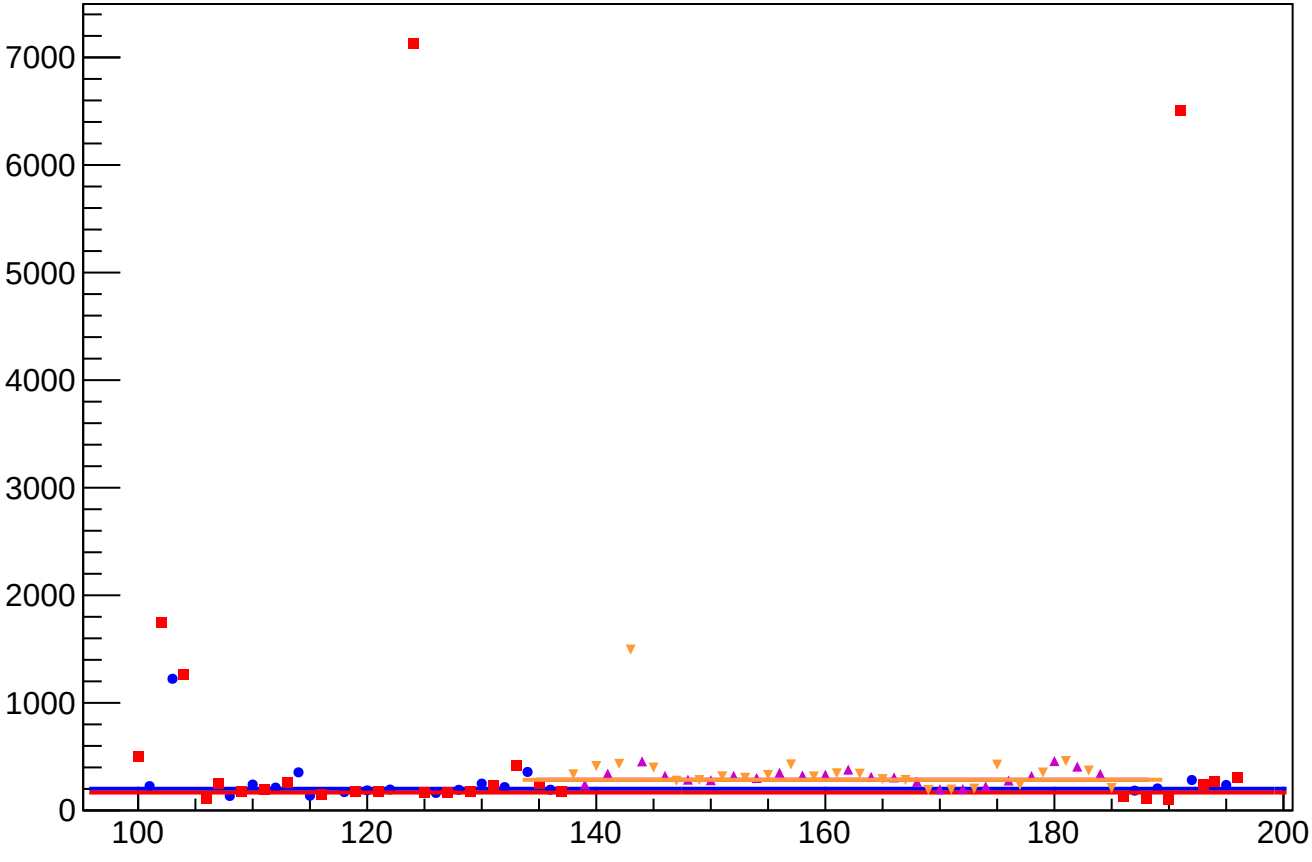
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.006+/-0.033 χ^2/NDF: 103.7/93

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 201.648+/-0.049 χ^2/NDF: 1623081.6/19

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

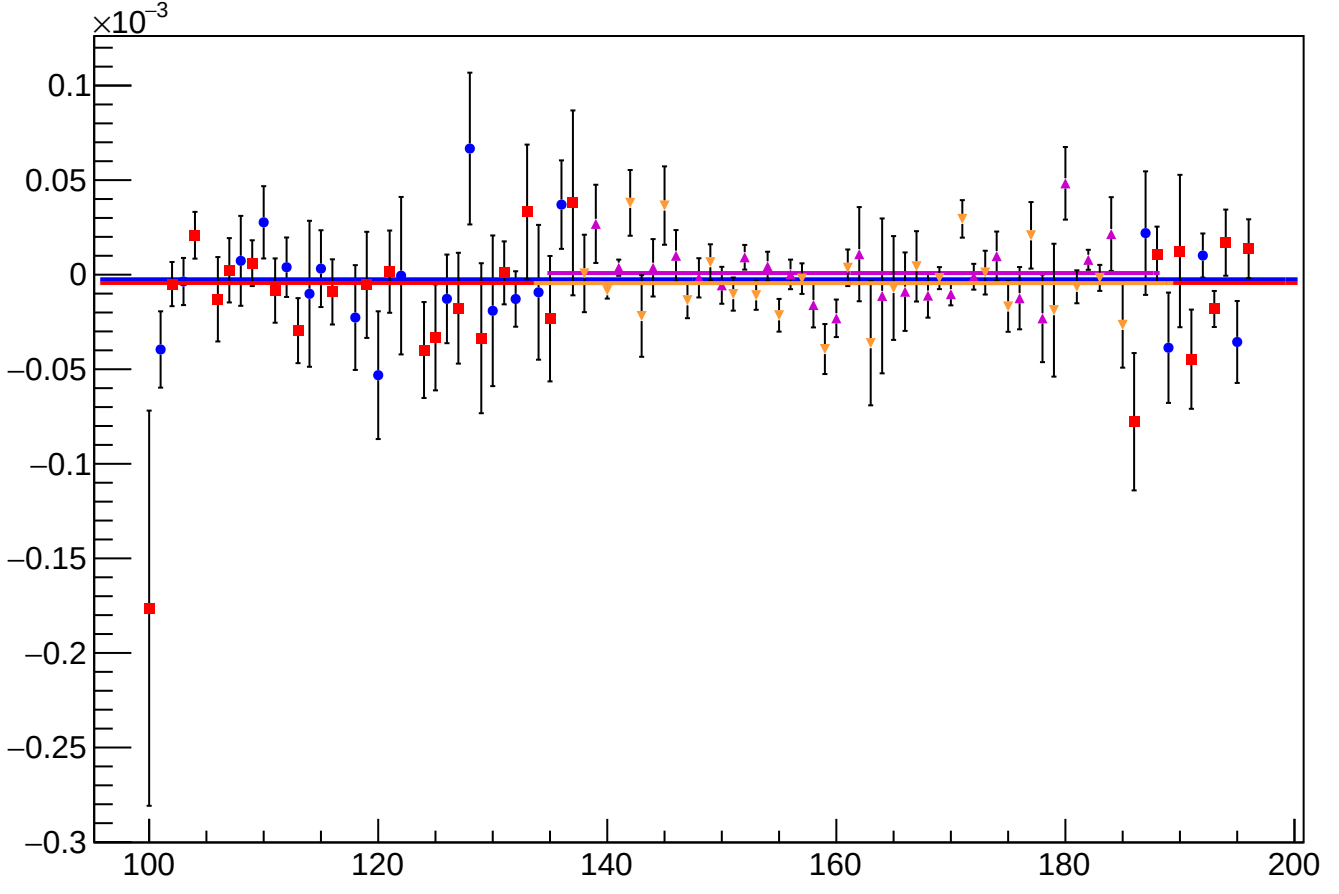
Right Out: 166.354+/-0.040 χ^2/NDF: 4400534.3/25

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463208.8/44

All: 226.331+/-0.023 χ^2/NDF: 16543007.1/93

- sign 212.935+/-0.031 χ^2/NDF: 9661005.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/25

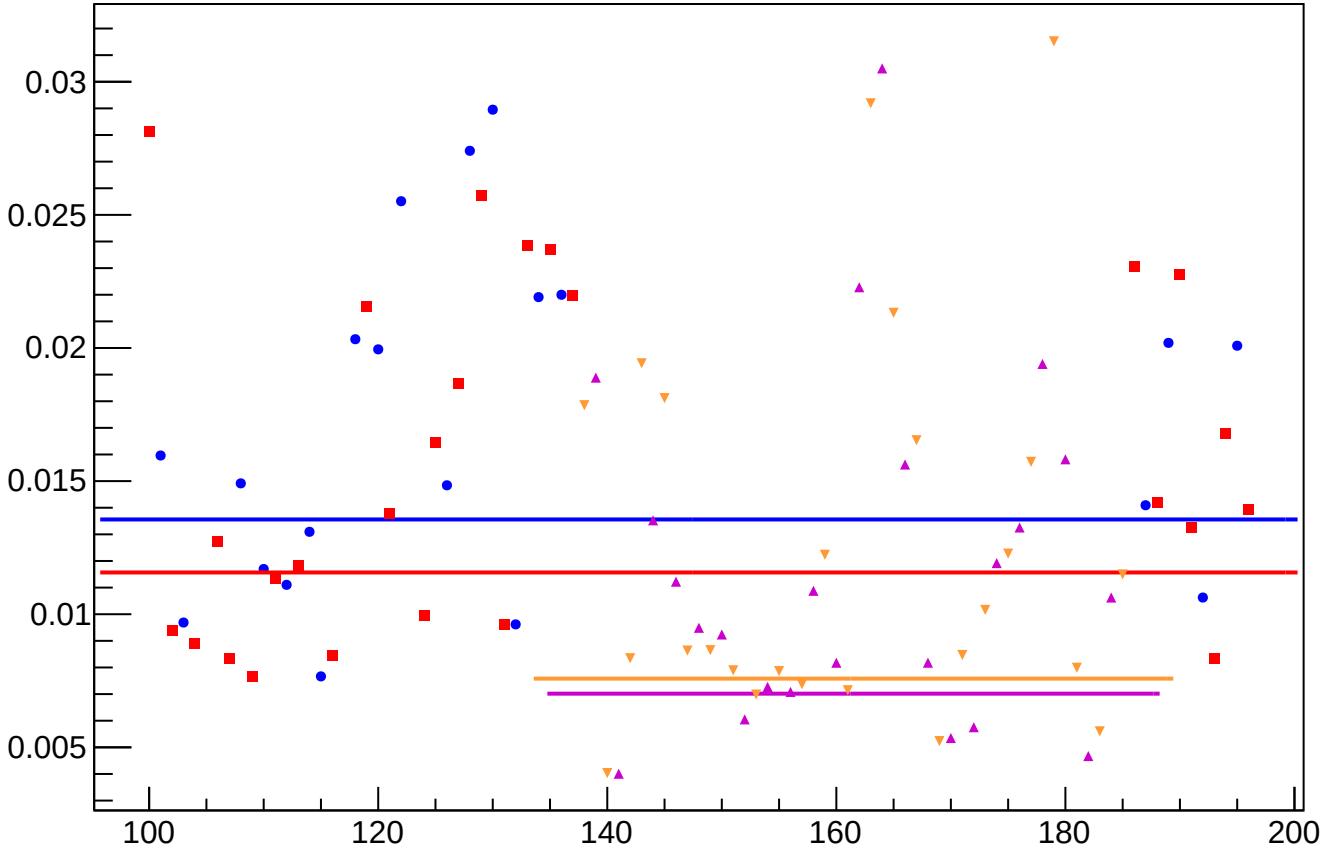
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.5/44

All: -0.000+/-0.000 χ^2/NDF: 127.5/93

- 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: 2289567.4/19

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2785673.9/25

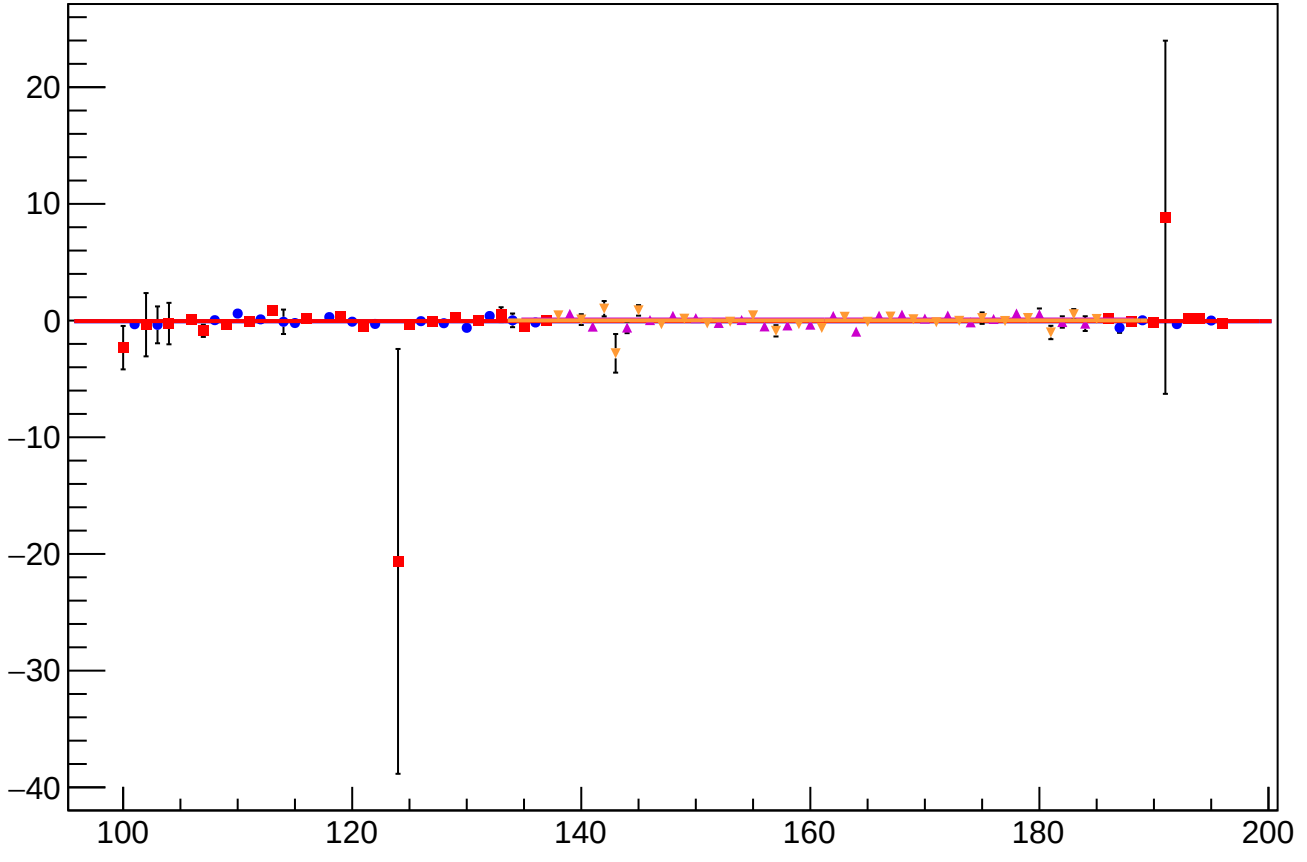
Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

\+ sign 0.008+/-0.000 χ^2/NDF: 12390332.8/44

All: 0.008+/-0.000 χ^2/NDF: 24457115.7/93

\- sign 0.008+/-0.000 χ^2/NDF: 11994162.2/48

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

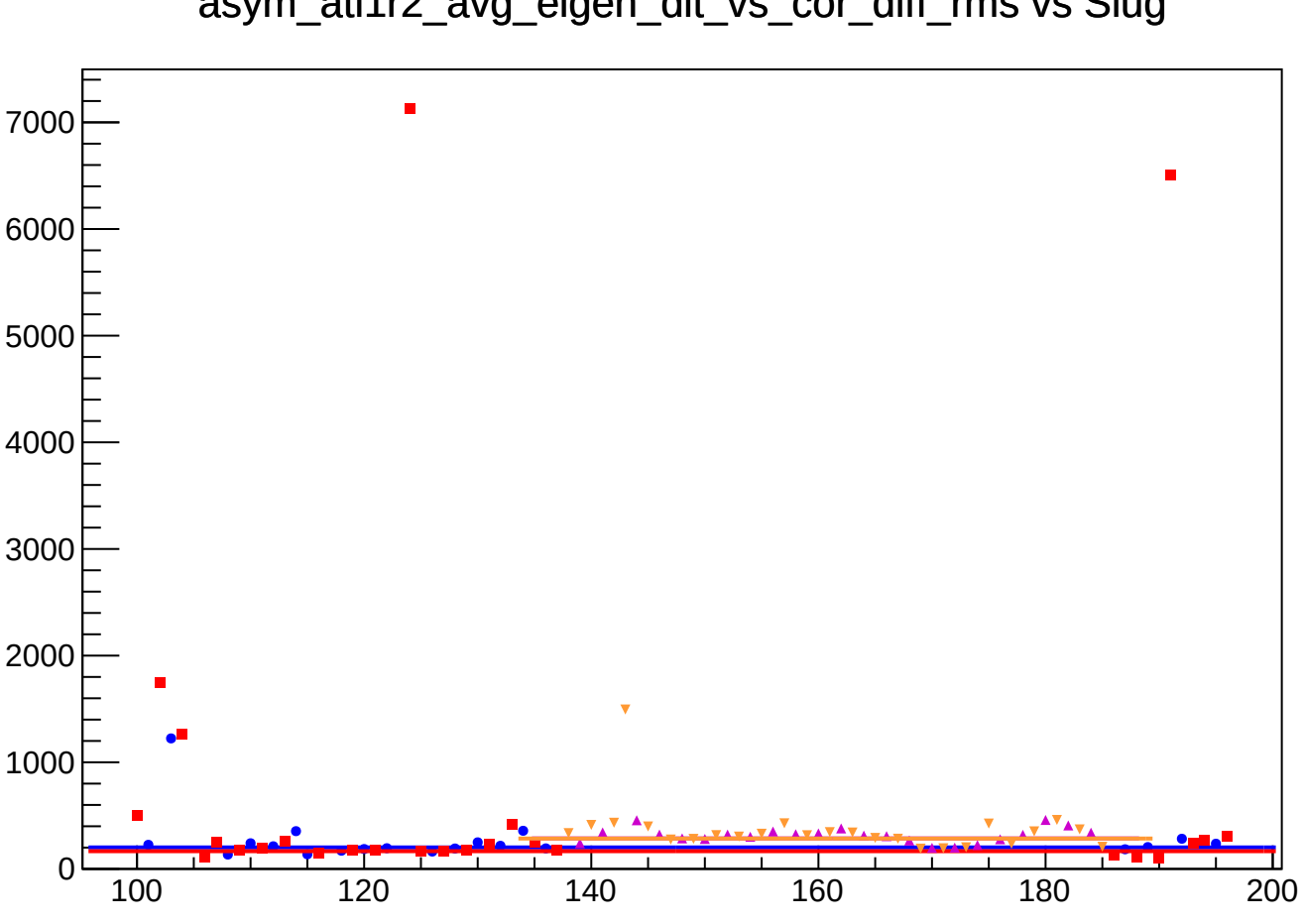
Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

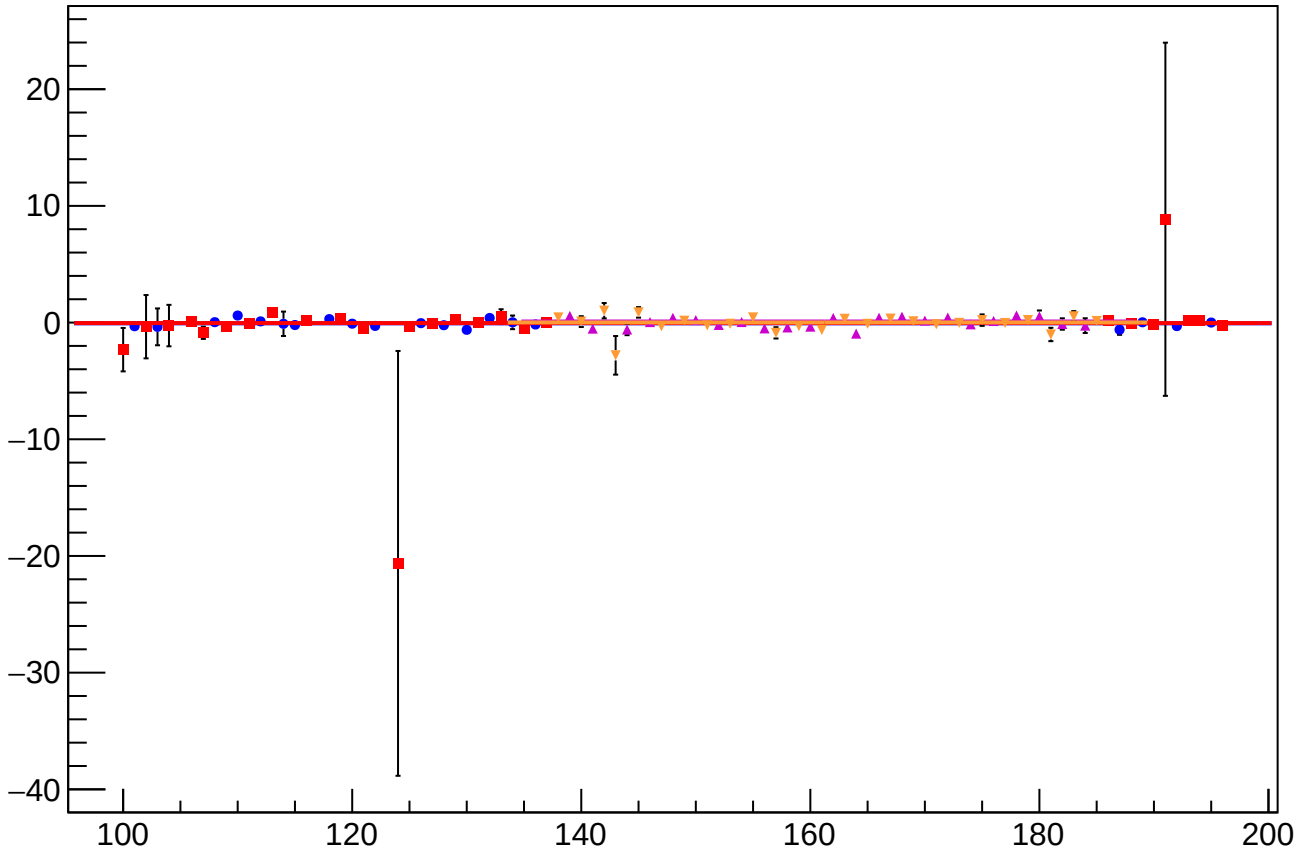
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.006+/-0.033 χ^2/NDF: 103.7/93

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48


asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 201.647+/-0.049 χ²/NDF: 1623076.7/19
Left Out: 285.039+/-0.049 χ²/NDF:3407037.3/24
Right Out: 166.351+/-0.040 χ²/NDF: 4400630.0/25
Left In: 285.871+/-0.050 χ²/NDF:1744743.9/22
+ sign 243.146+/-0.035 χ²/NDF: 6463376.5/44
All: 226.329+/-0.023 χ²/NDF: 16543679.6/93
- sign 212.933+/-0.031 χ²/NDF: 9661453.3/48



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

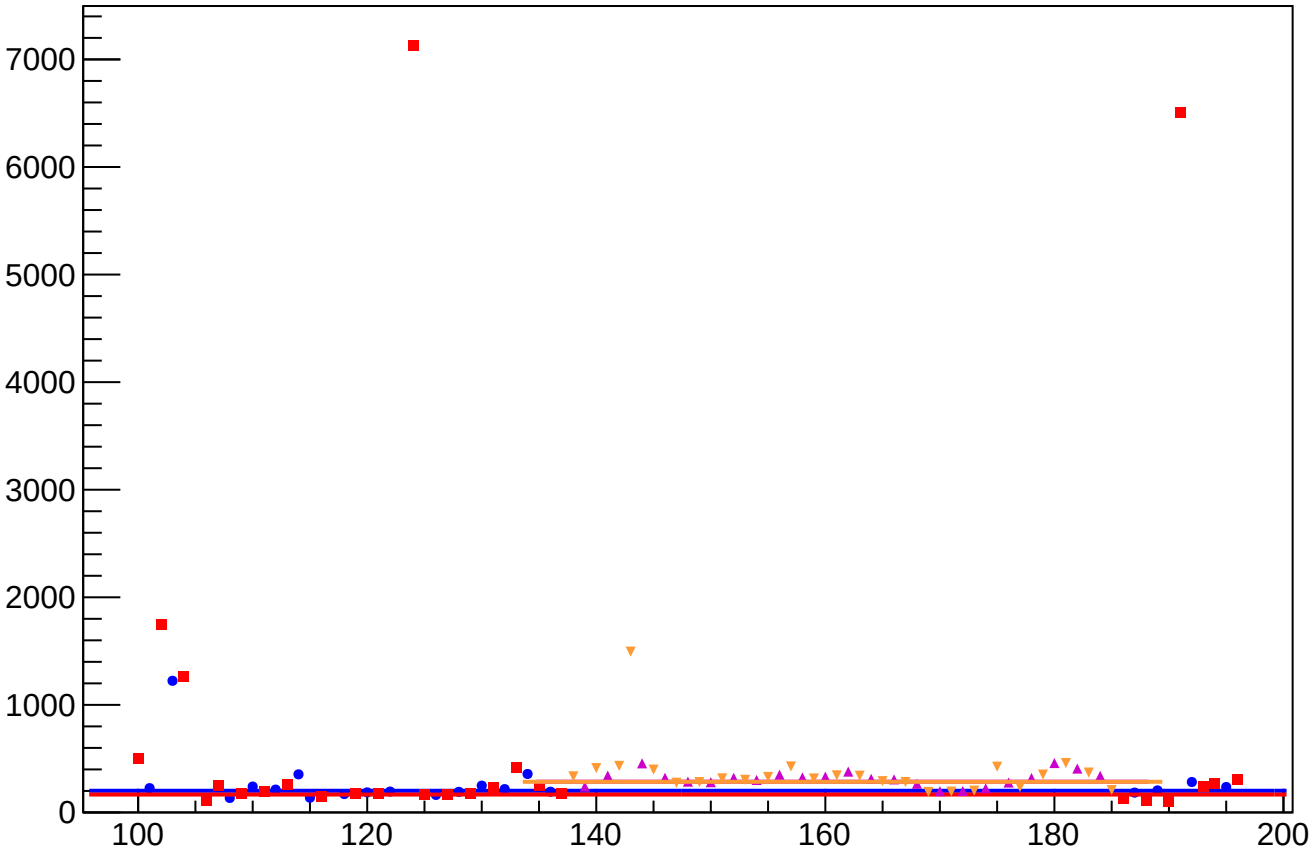
Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.006+/-0.033 χ^2/NDF: 103.7/93

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48



Right In: 201.647+/-0.049 χ^2/NDF: 1623076.7/19

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 166.351+/-0.040 χ^2/NDF: 4400630.0/25

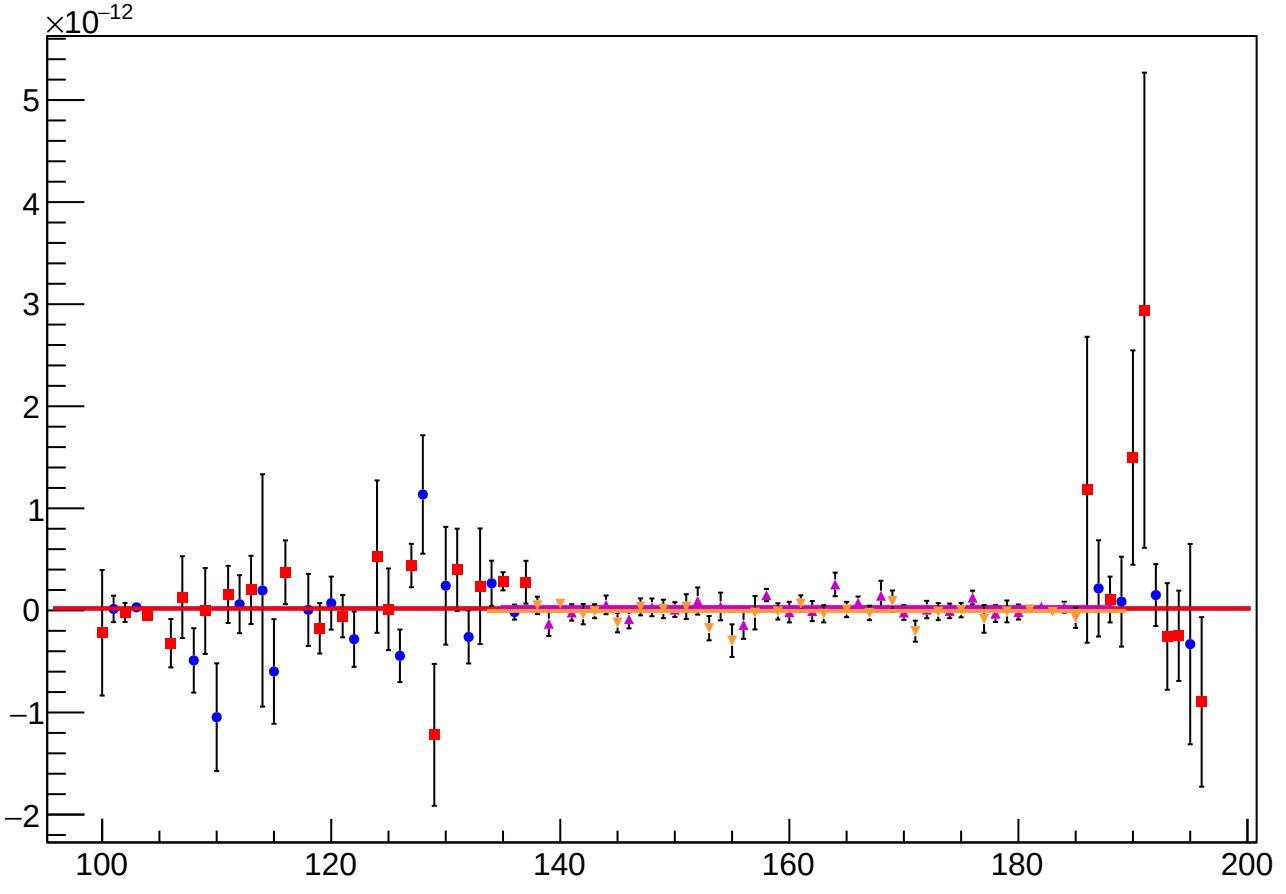
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463376.5/44

All: 226.329+/-0.023 χ^2/NDF: 16543679.6/93

- sign 212.933+/-0.031 χ^2/NDF: 9661453.3/48

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

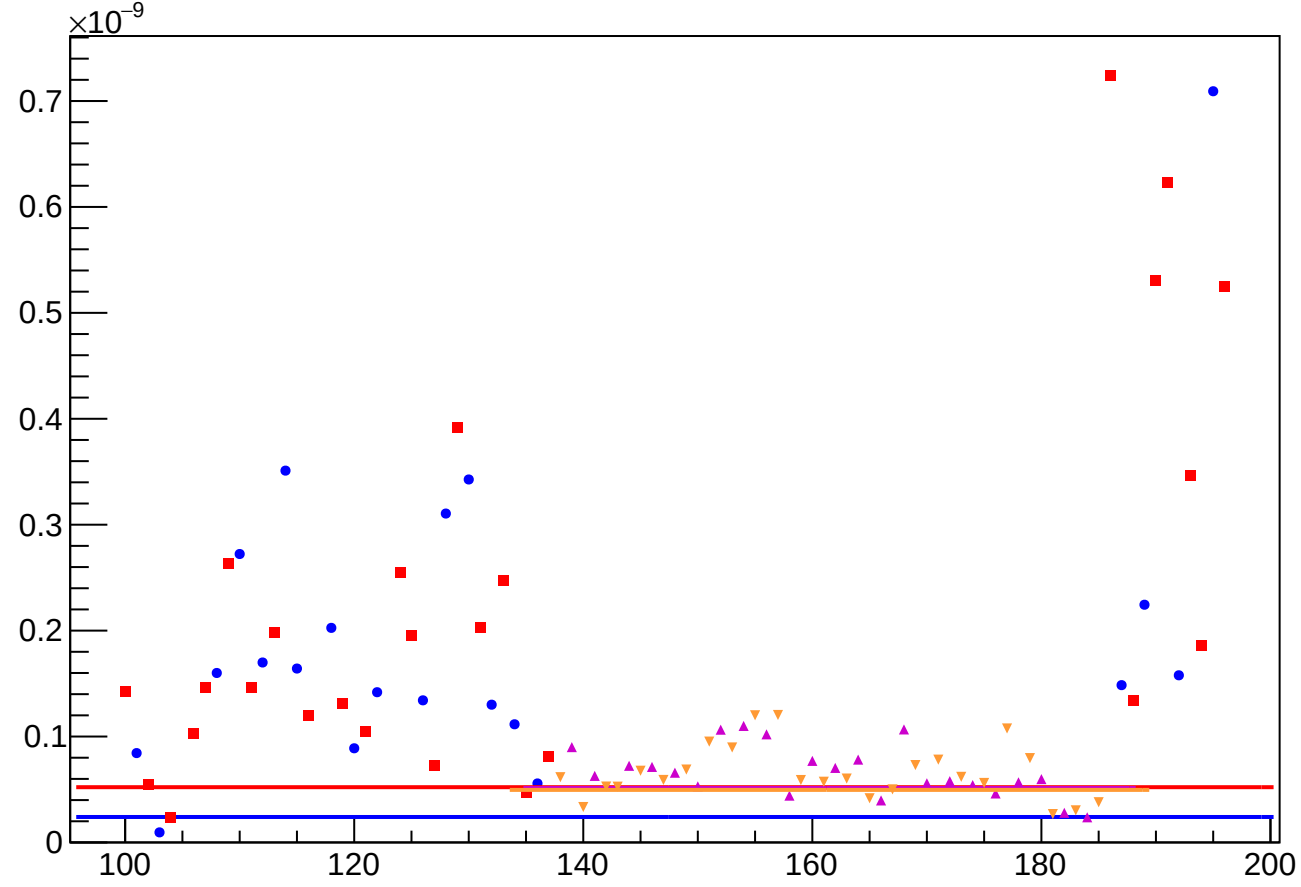
Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/25

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/44

All: 0.000+/-0.000 χ^2/NDF: 91.5/93

- sign 0.000+/-0.000 χ^2/NDF: 52.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 8340025.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6951461.9/25

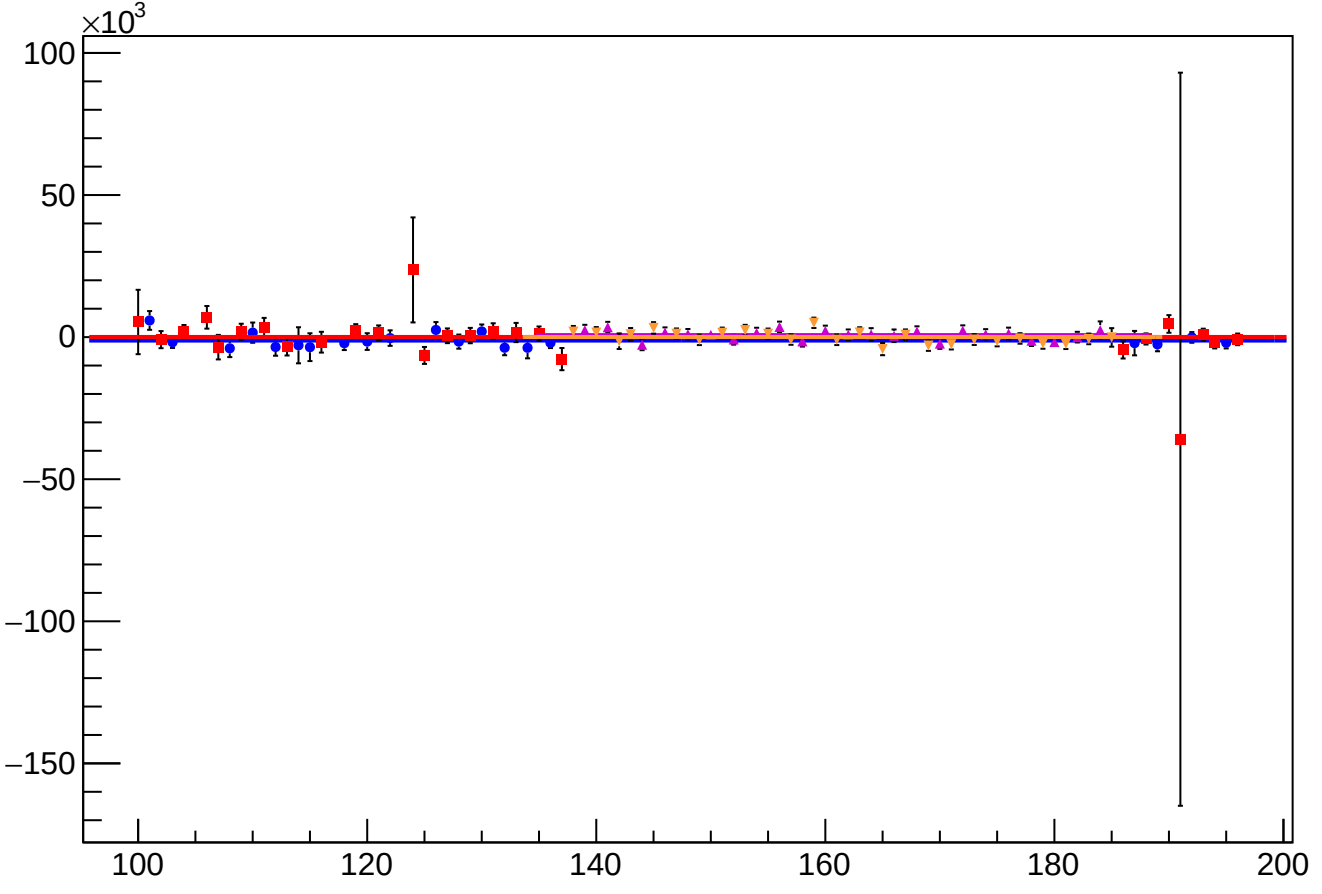
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14244356.5/44

All: 0.000+/-0.000 χ^2/NDF: 25548672.0/93

- sign 0.000+/-0.000 χ^2/NDF: 10612142.9/48

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1211.307+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.718+/-557.276 χ^2/NDF: 26.6/25

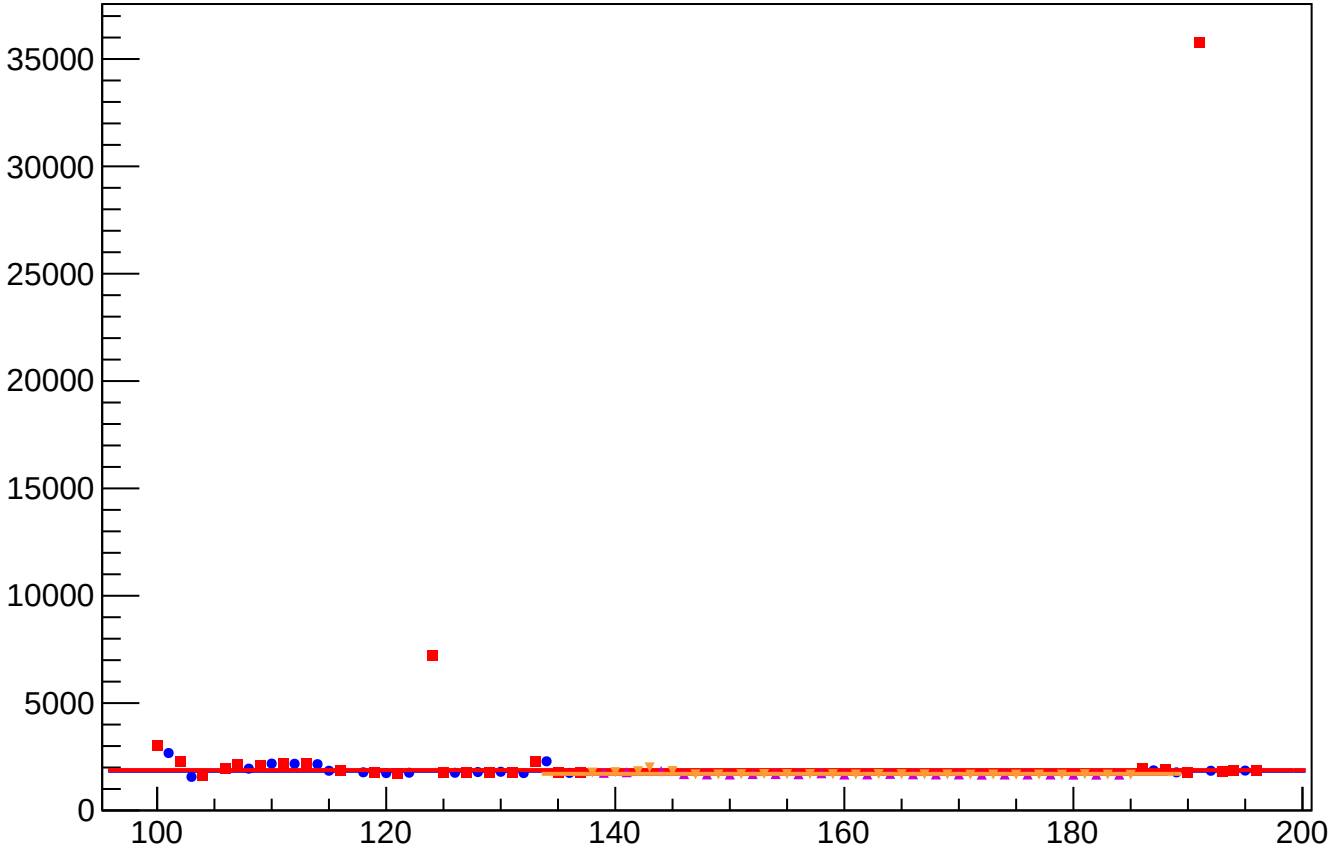
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -346.150+/-324.599 χ^2/NDF: 45.6/44

All: 78.356+/-228.974 χ^2/NDF: 95.6/93

- sign 498.802+/-323.043 χ^2/NDF: 46.6/48

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1847.106+/-0.420 χ^2/NDF: 261952.0/19

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.005+/-0.393 χ^2/NDF: 510833.2/25

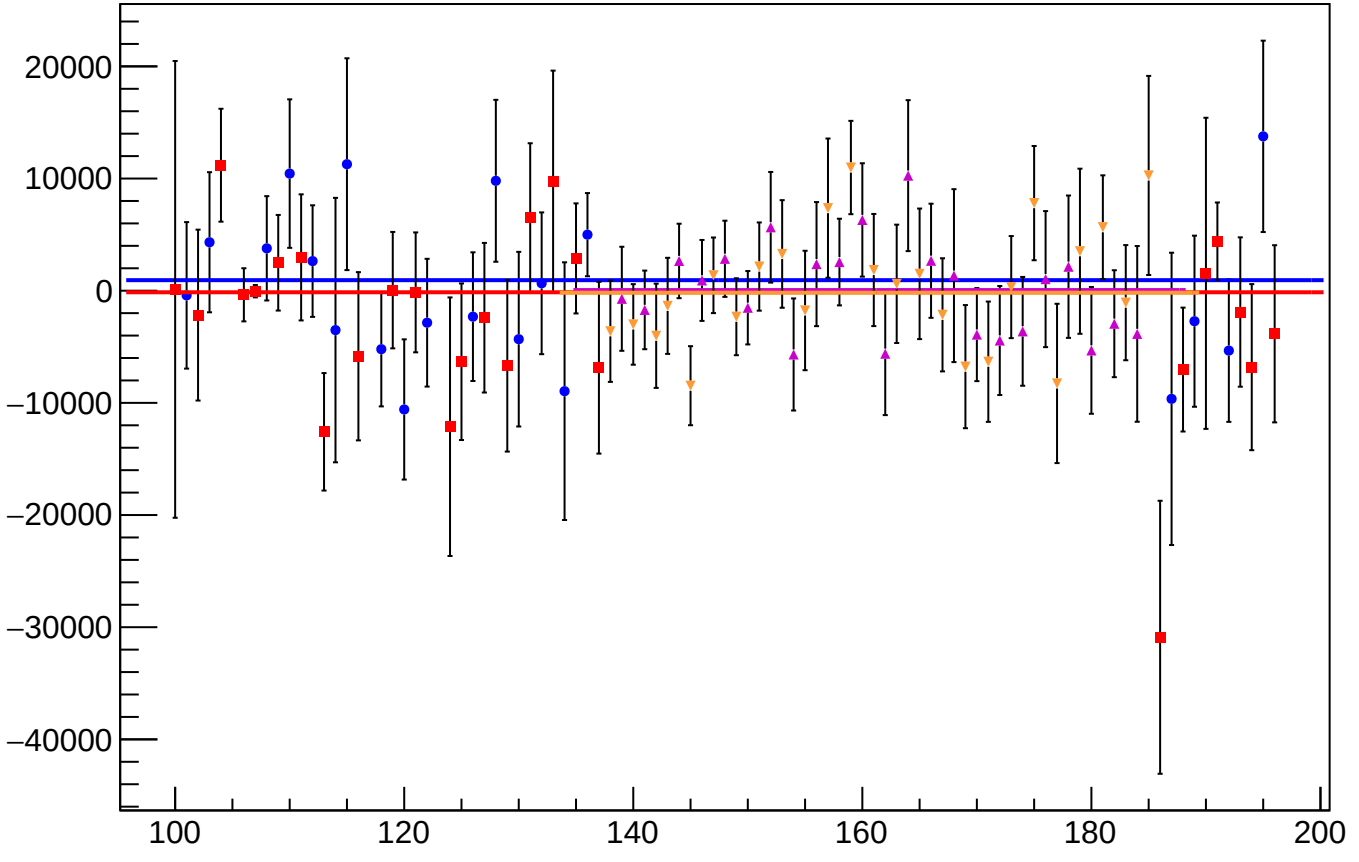
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.9/44

All: 1753.484+/-0.162 χ^2/NDF: 1077339.5/93

- sign 1758.955+/-0.228 χ^2/NDF: 674656.0/48

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 939.400+/-1407.497 χ^2/NDF: 17.9/19

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -140.019+/-494.108 χ^2/NDF: 28.8/25

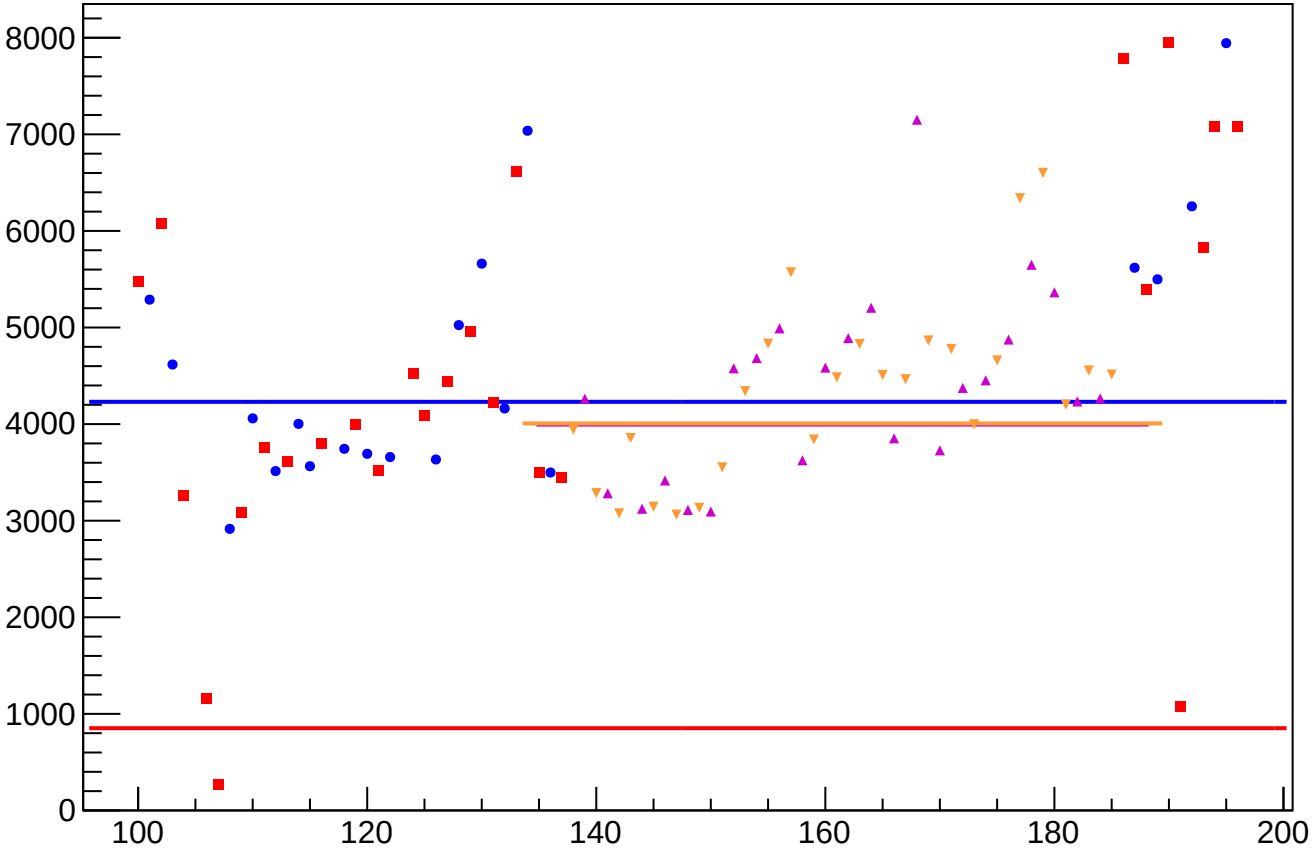
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 165.738+/-778.898 χ^2/NDF: 46.3/44

All: -34.897+/-382.428 χ^2/NDF: 89.4/93

- sign -98.627+/-438.983 χ^2/NDF: 43.1/48

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4230.650+/-0.995 χ^2/NDF: 1297728.1/19

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 851.890+/-0.349 χ^2/NDF: 17095068.5/25

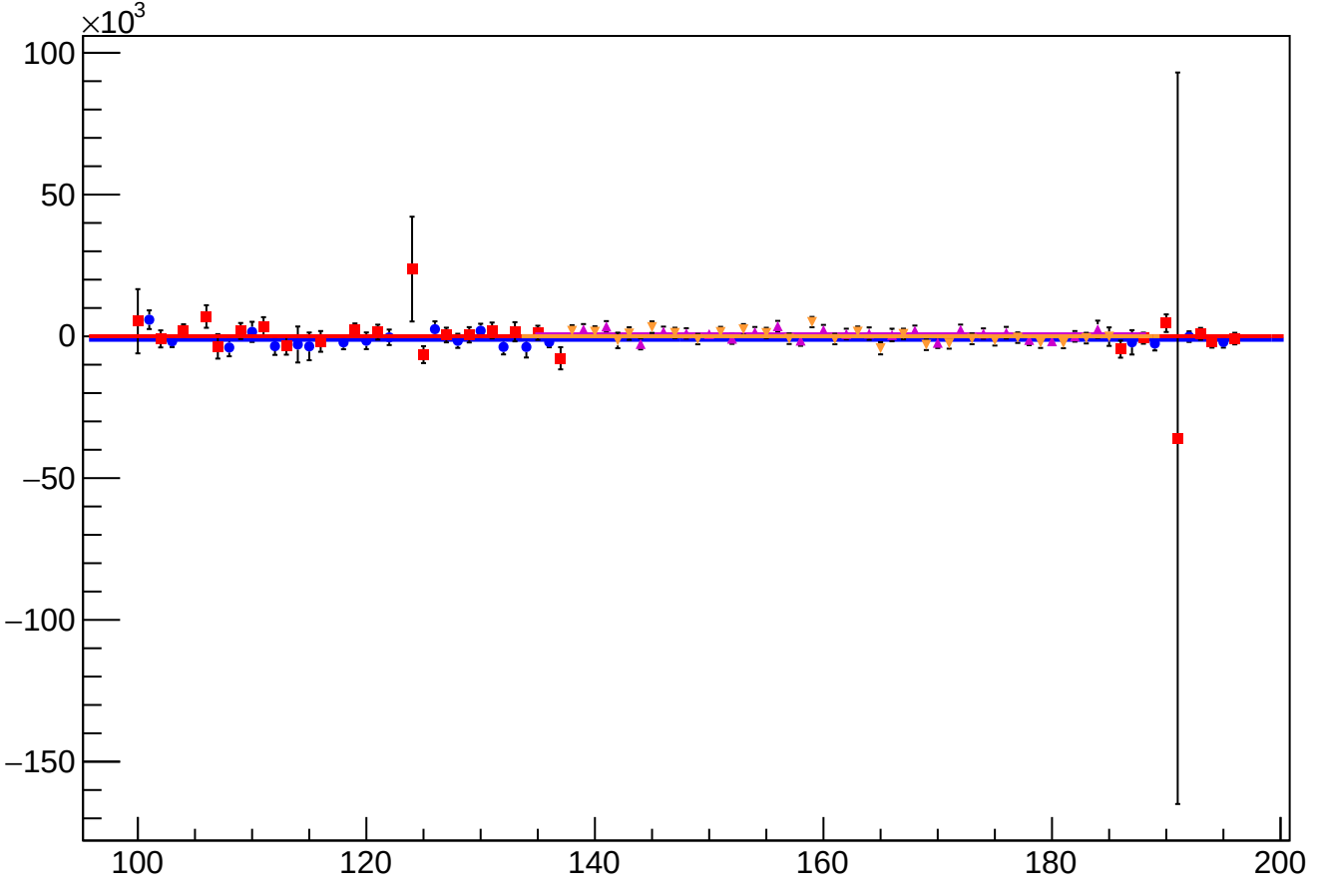
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4075.490+/-0.551 χ^2/NDF: 2836439.5/44

All: 2131.551+/-0.270 χ^2/NDF: 54934252.3/9

- sign 1514.080+/-0.310 χ^2/NDF: 35683220.8/48

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1211.031+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.934+/-557.277 χ^2/NDF: 26.6/25

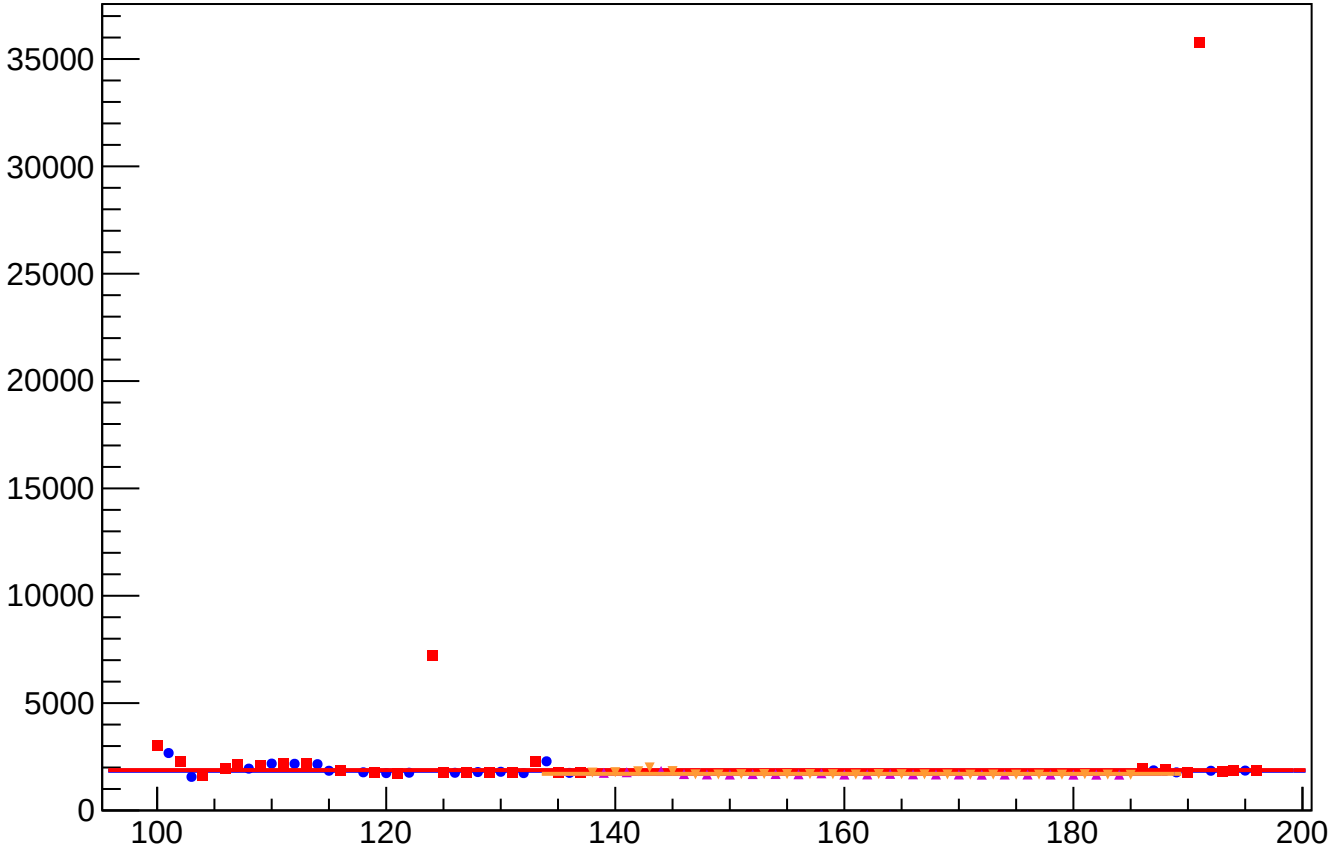
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -346.017+/-324.599 χ^2/NDF: 45.6/44

All: 78.418+/-228.974 χ^2/NDF: 95.6/93

- sign 498.793+/-323.044 χ^2/NDF: 46.6/48

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.106+/-0.420 χ^2/NDF: 261951.1/19

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.288+/-0.394 χ^2/NDF: 511088.2/25

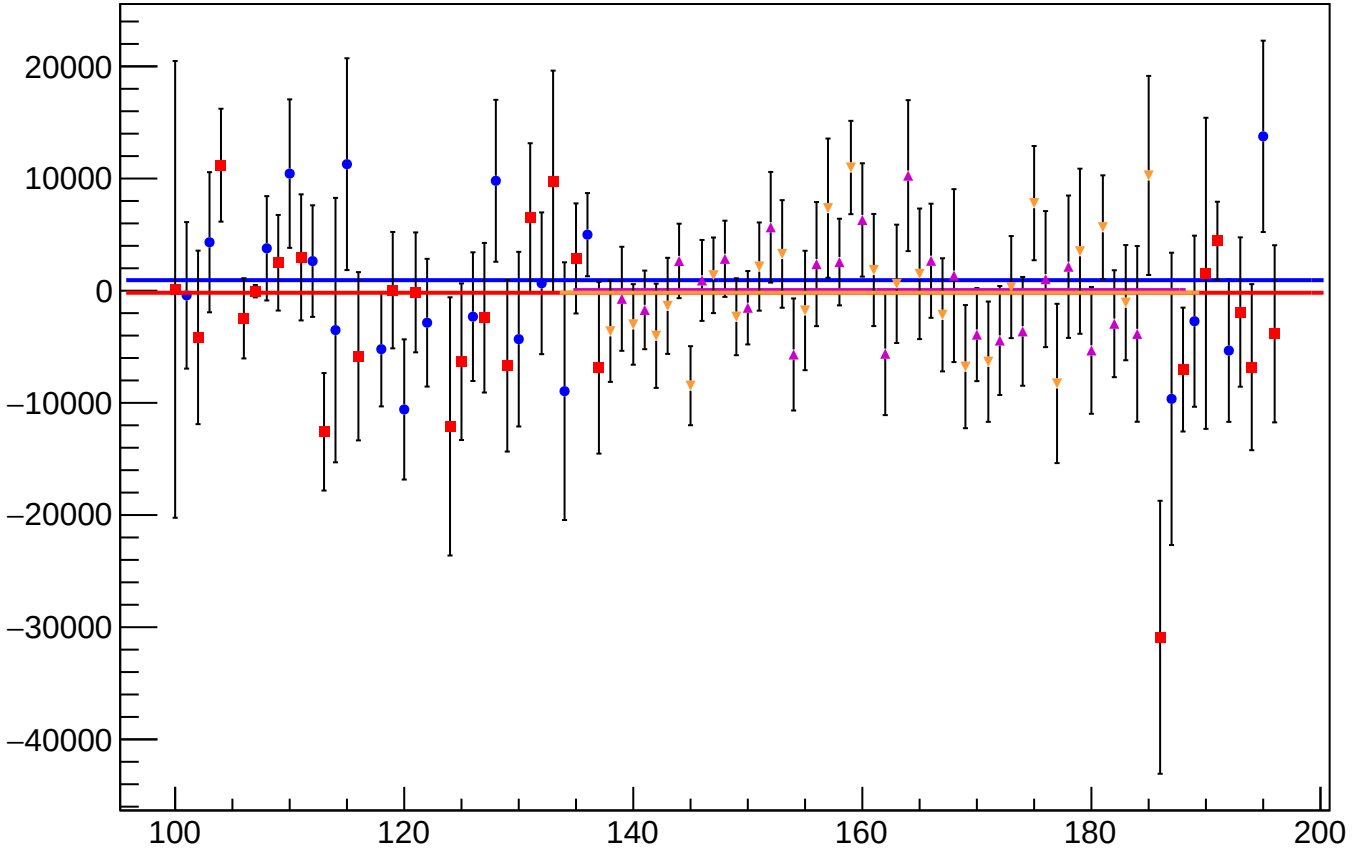
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.4/44

All: 1753.525+/-0.162 χ^2/NDF: 1078028.1/93

- sign 1759.039+/-0.228 χ^2/NDF: 675327.6/48

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 939.379+/-1407.502 χ^2/NDF: 17.9/19

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -182.345+/-500.287 χ^2/NDF: 29.4/25

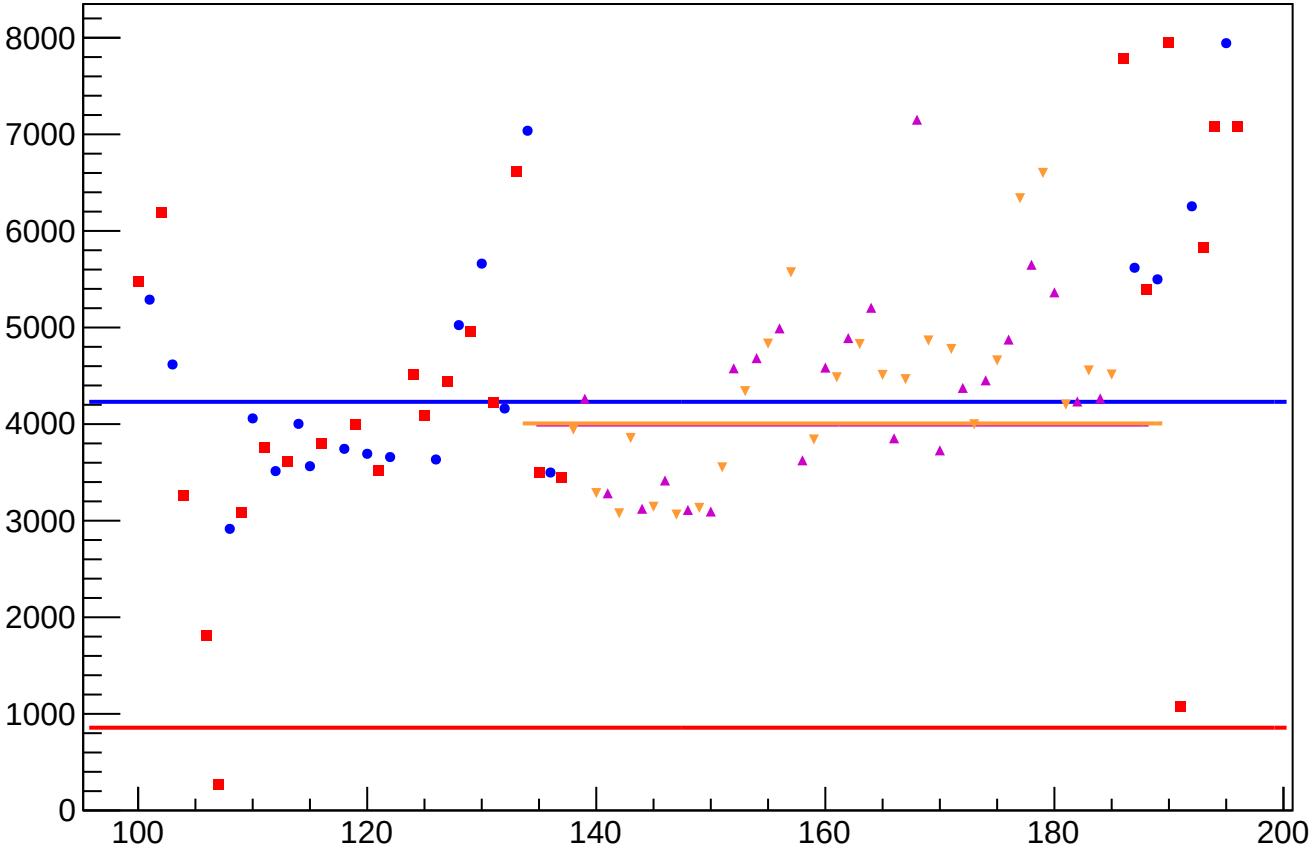
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.745+/-778.898 χ^2/NDF: 46.3/44

All: -58.440+/-385.271 χ^2/NDF: 90.1/93

- sign -131.057+/-443.299 χ^2/NDF: 43.7/48

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4230.660+/-0.995 χ^2/NDF: 1297748.8/19

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 856.824+/-0.354 χ^2/NDF: 17216593.8/25

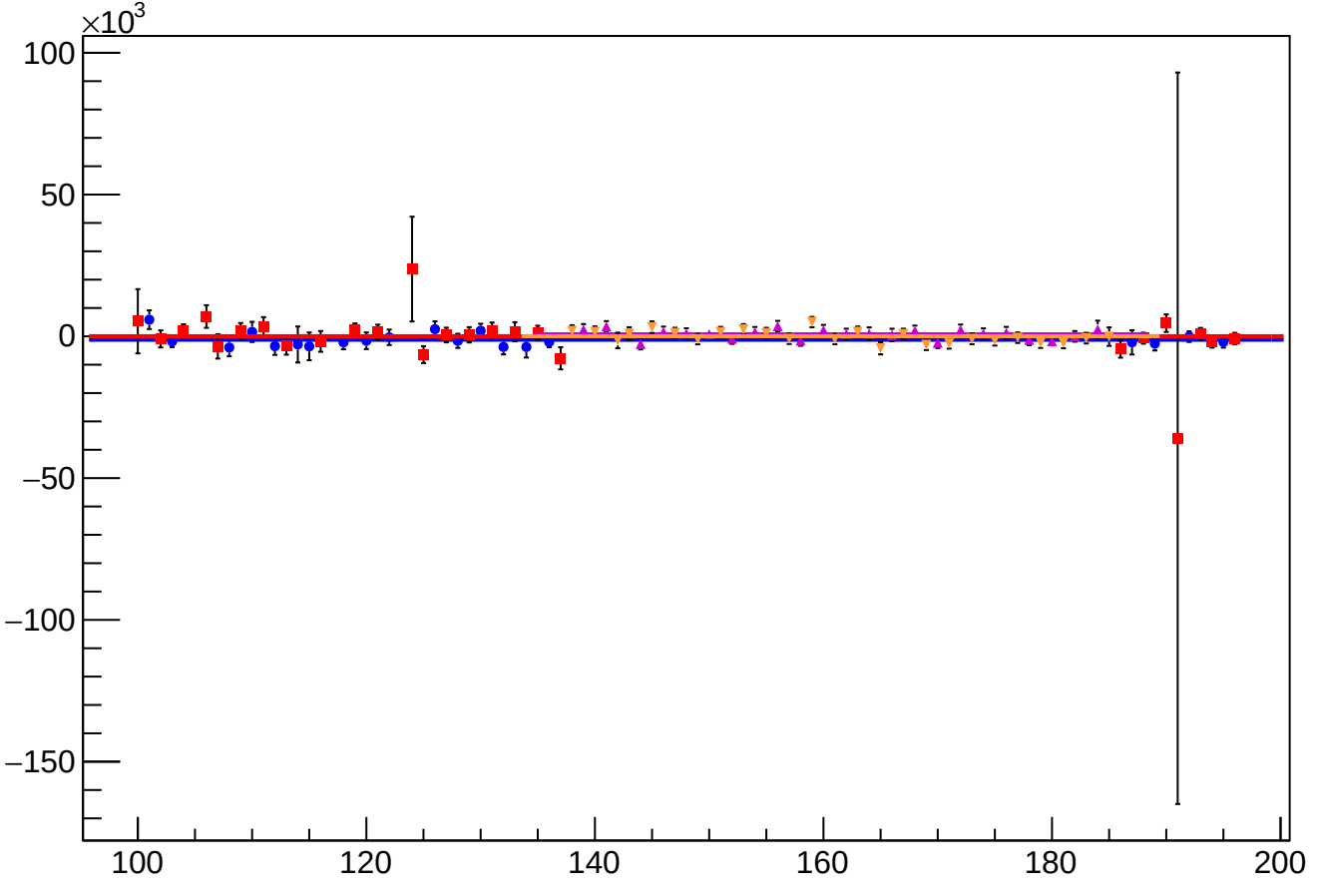
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4075.487+/-0.551 χ^2/NDF: 2836486.3/44

All: 2153.576+/-0.272 χ^2/NDF: 54619203.3/9

- sign 1531.039+/-0.313 χ^2/NDF: 35661598.8/48

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1211.031+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.934+/-557.277 χ^2/NDF: 26.6/25

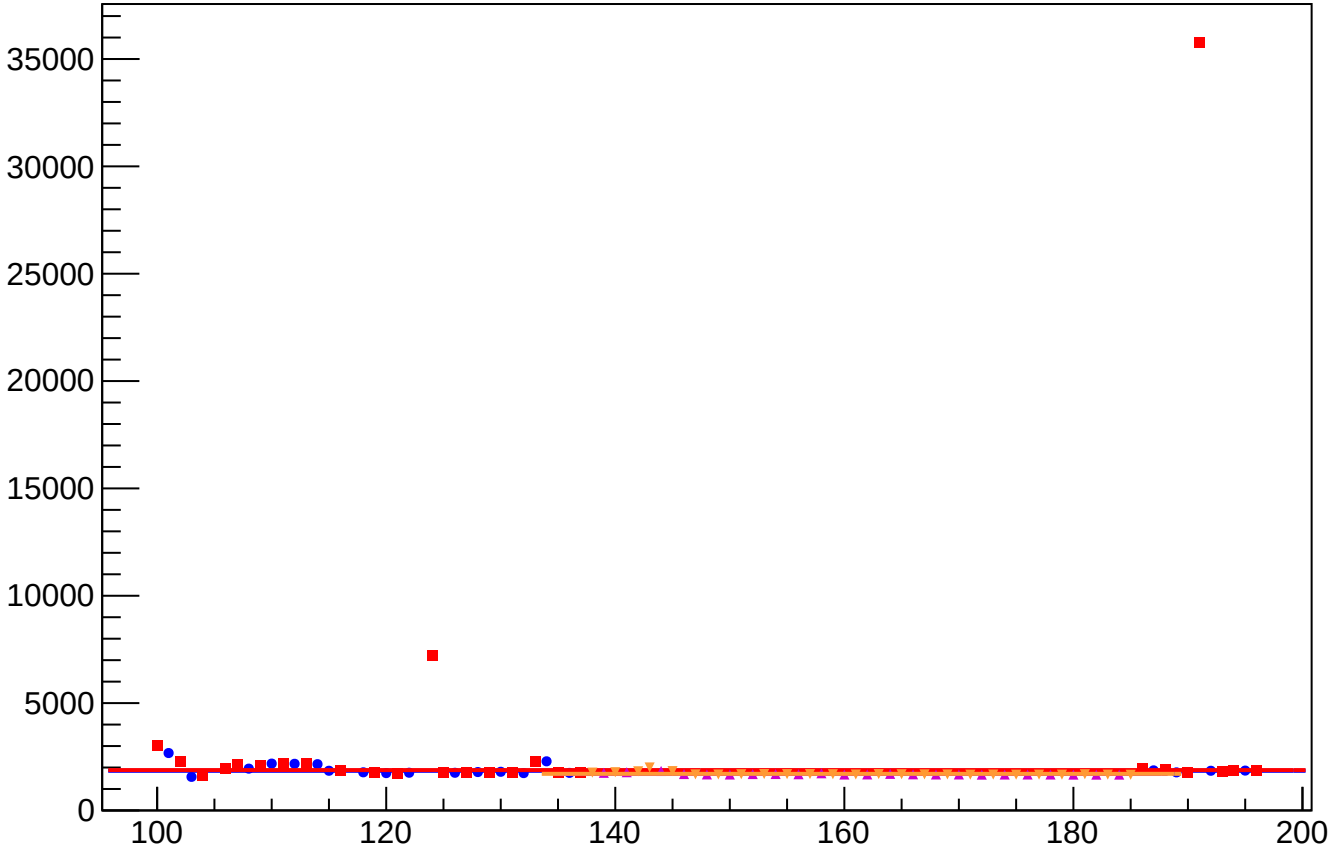
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -346.017+/-324.599 χ^2/NDF: 45.6/44

All: 78.418+/-228.974 χ^2/NDF: 95.6/93

- sign 498.793+/-323.044 χ^2/NDF: 46.6/48

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.106+/-0.420 χ^2/NDF: 261951.1/19

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.288+/-0.394 χ^2/NDF: 511088.2/25

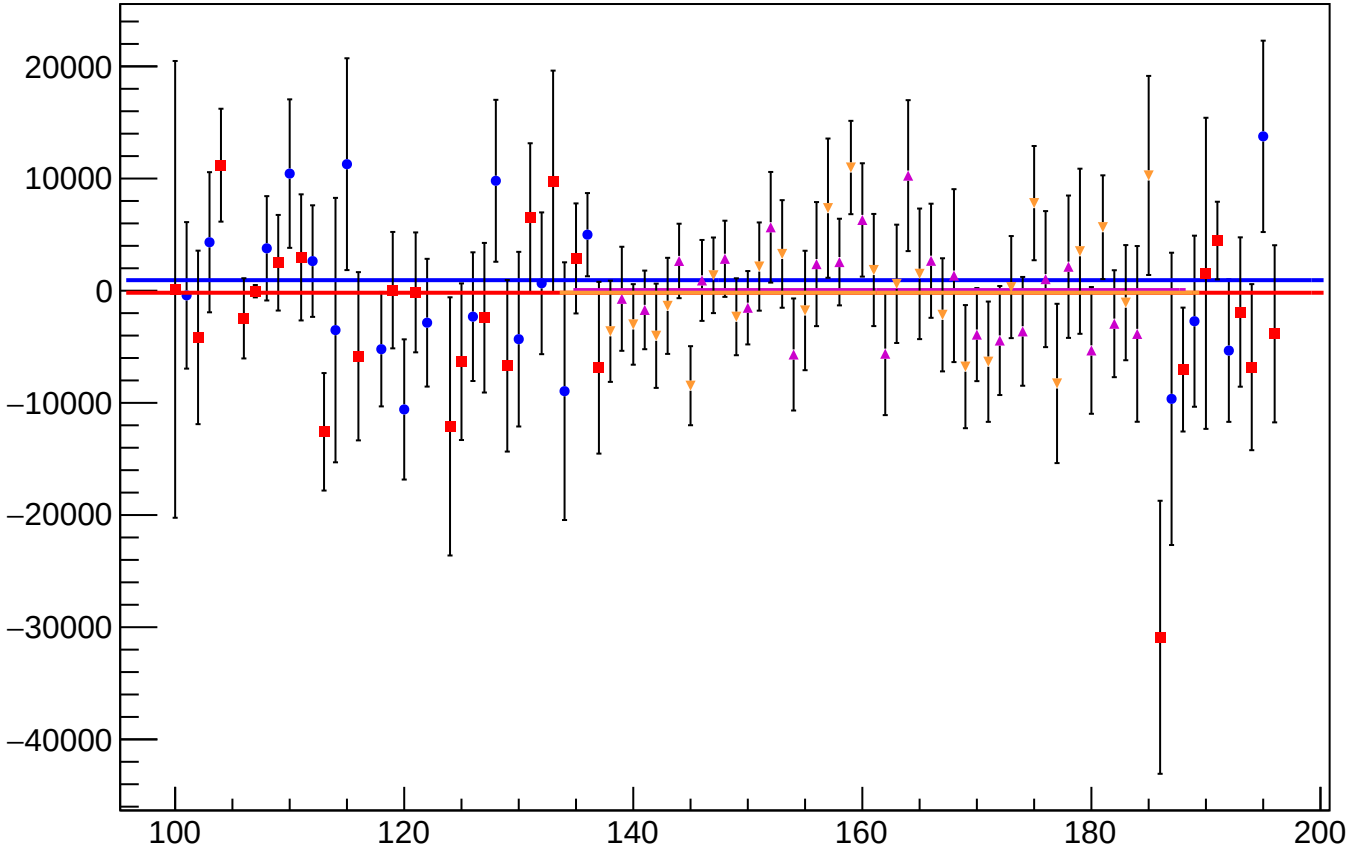
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.4/44

All: 1753.525+/-0.162 χ^2/NDF: 1078028.1/93

- sign 1759.039+/-0.228 χ^2/NDF: 675327.6/48

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 939.379+/-1407.502 χ^2/NDF: 17.9/19

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -182.345+/-500.287 χ^2/NDF: 29.4/25

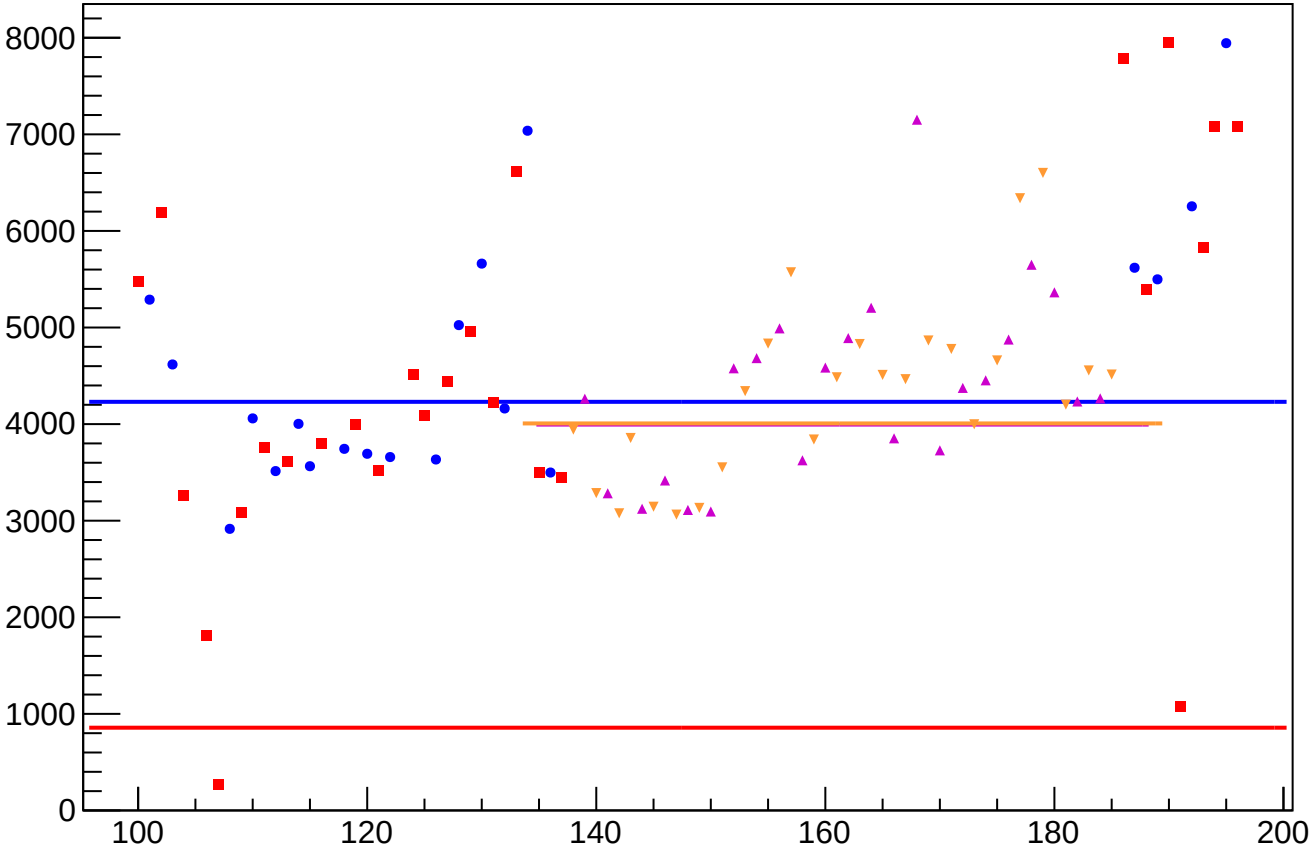
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.745+/-778.898 χ^2/NDF: 46.3/44

All: -58.440+/-385.271 χ^2/NDF: 90.1/93

- sign -131.057+/-443.299 χ^2/NDF: 43.7/48

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4230.660+/-0.995 χ^2/NDF: 1297748.8/19

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

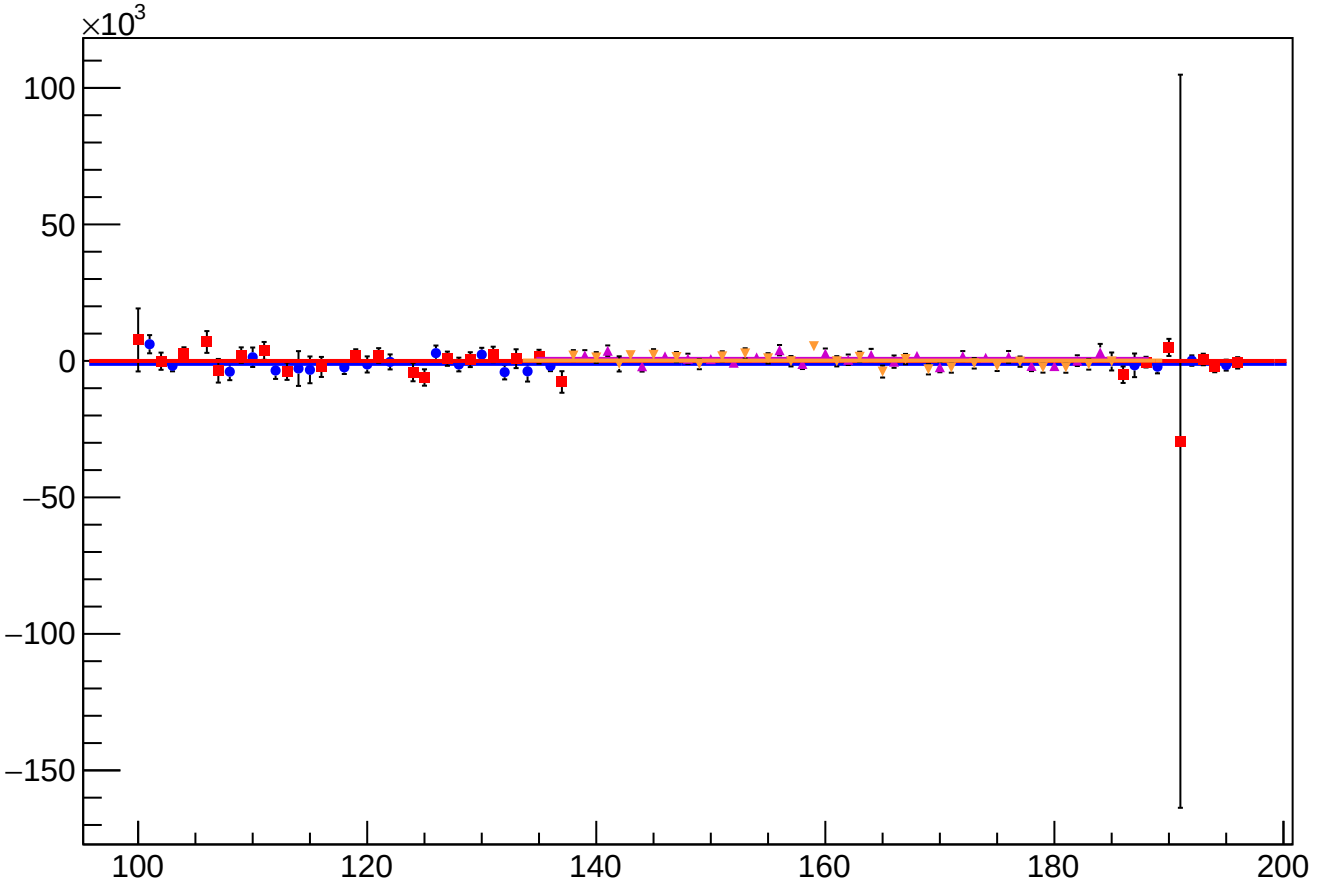
Right Out: 856.824+/-0.354 χ^2/NDF: 17216593.8/25

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4075.487+/-0.551 χ^2/NDF: 2836486.3/44

All: 2153.576+/-0.272 χ^2/NDF: 54619203.3/9

- sign 1531.039+/-0.313 χ^2/NDF: 35661598.8/48



Right In: -1080.851+/-599.000 χ^2/NDF: 13.8/19

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.640+/-556.311 χ^2/NDF: 28.0/25

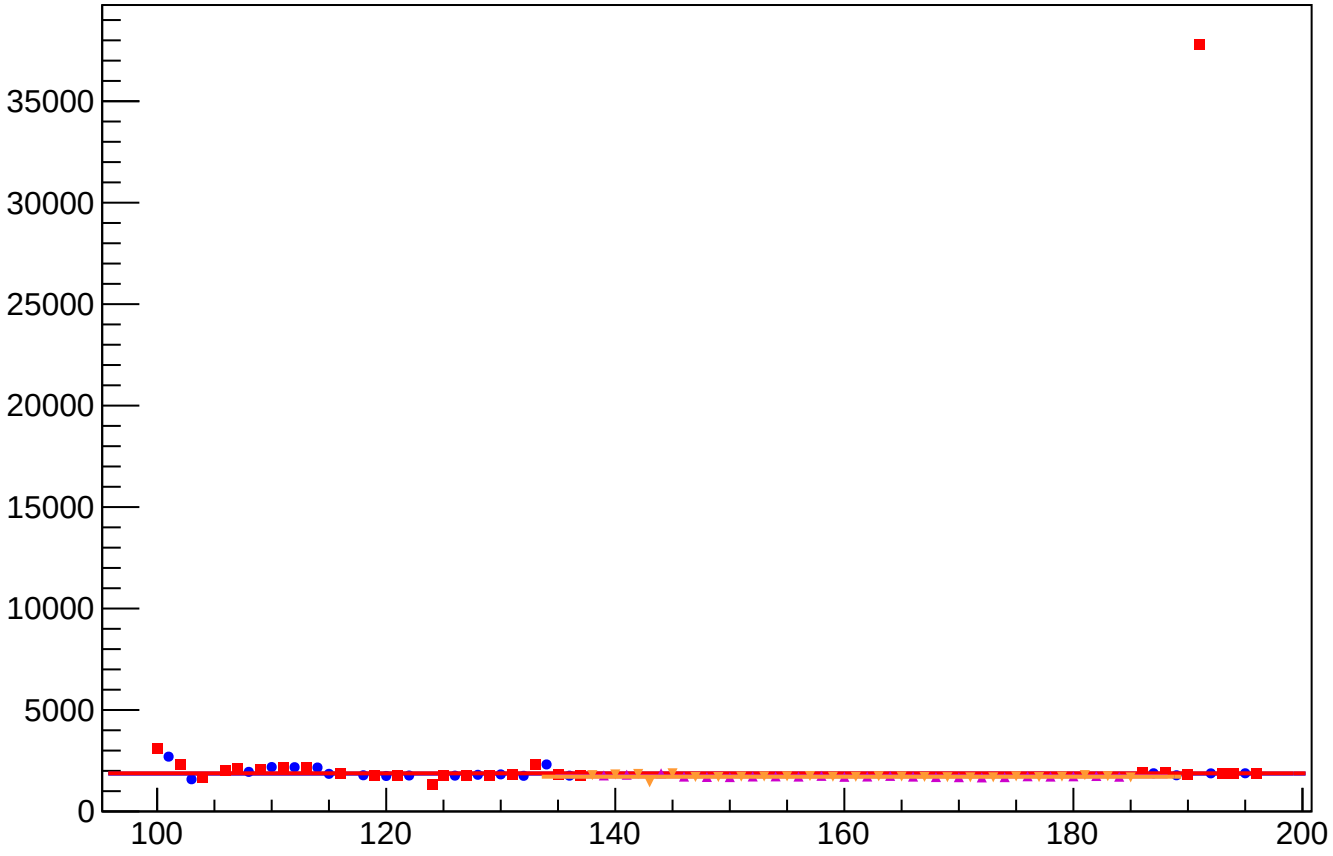
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -236.836+/-326.512 χ^2/NDF: 46.4/44

All: 120.245+/-231.044 χ^2/NDF: 96.9/93

- sign 478.350+/-326.979 χ^2/NDF: 48.2/48

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1864.125+/-0.424 χ^2/NDF: 258739.7/19

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.897+/-0.393 χ^2/NDF: 407982.9/25

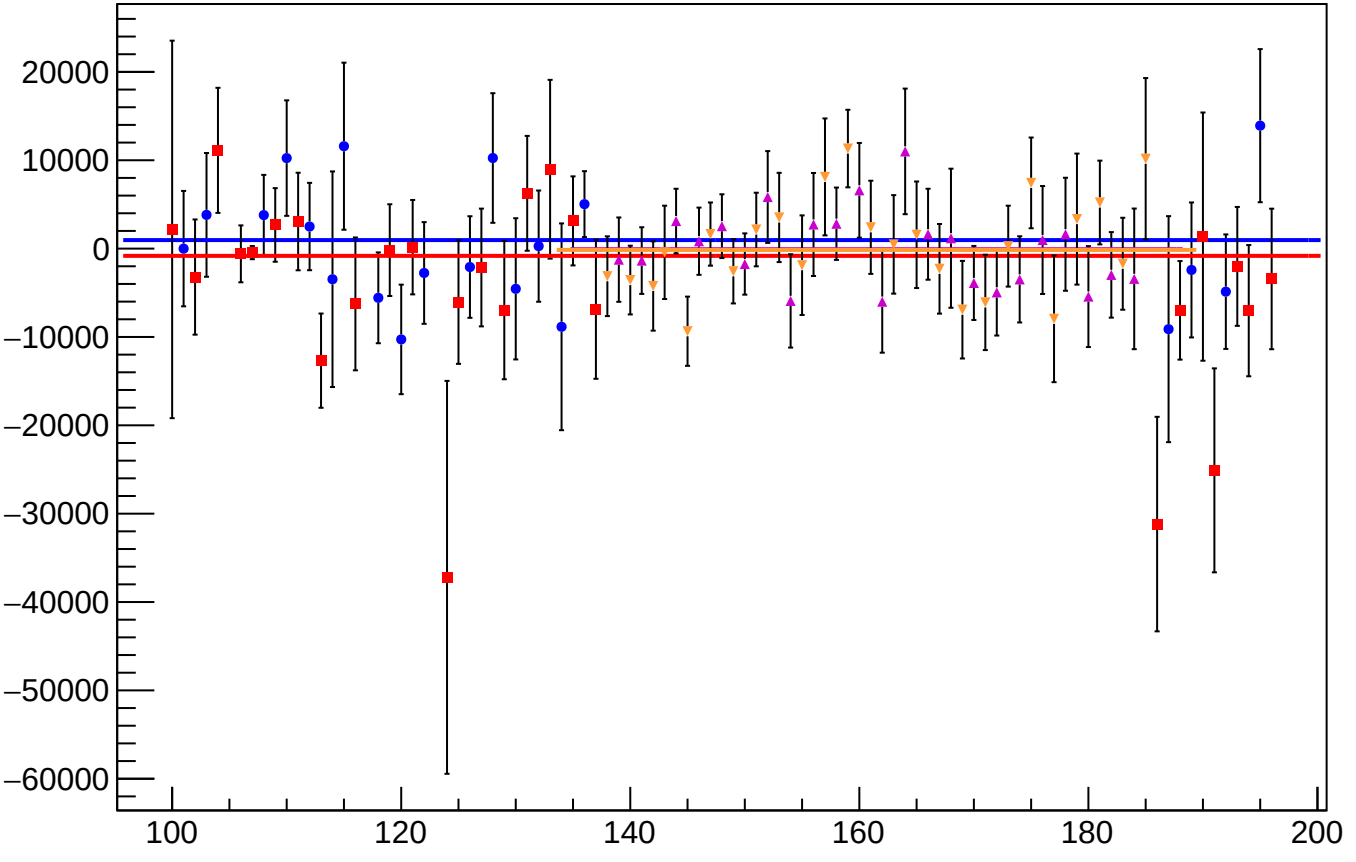
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1757.418+/-0.231 χ^2/NDF: 443438.4/44

All: 1769.716+/-0.163 χ^2/NDF: 974851.8/93

- sign 1782.044+/-0.231 χ^2/NDF: 525732.6/48

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 964.171+/-1417.515 χ^2/NDF: 17.5/19

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -820.526+/-643.676 χ^2/NDF: 29.9/25

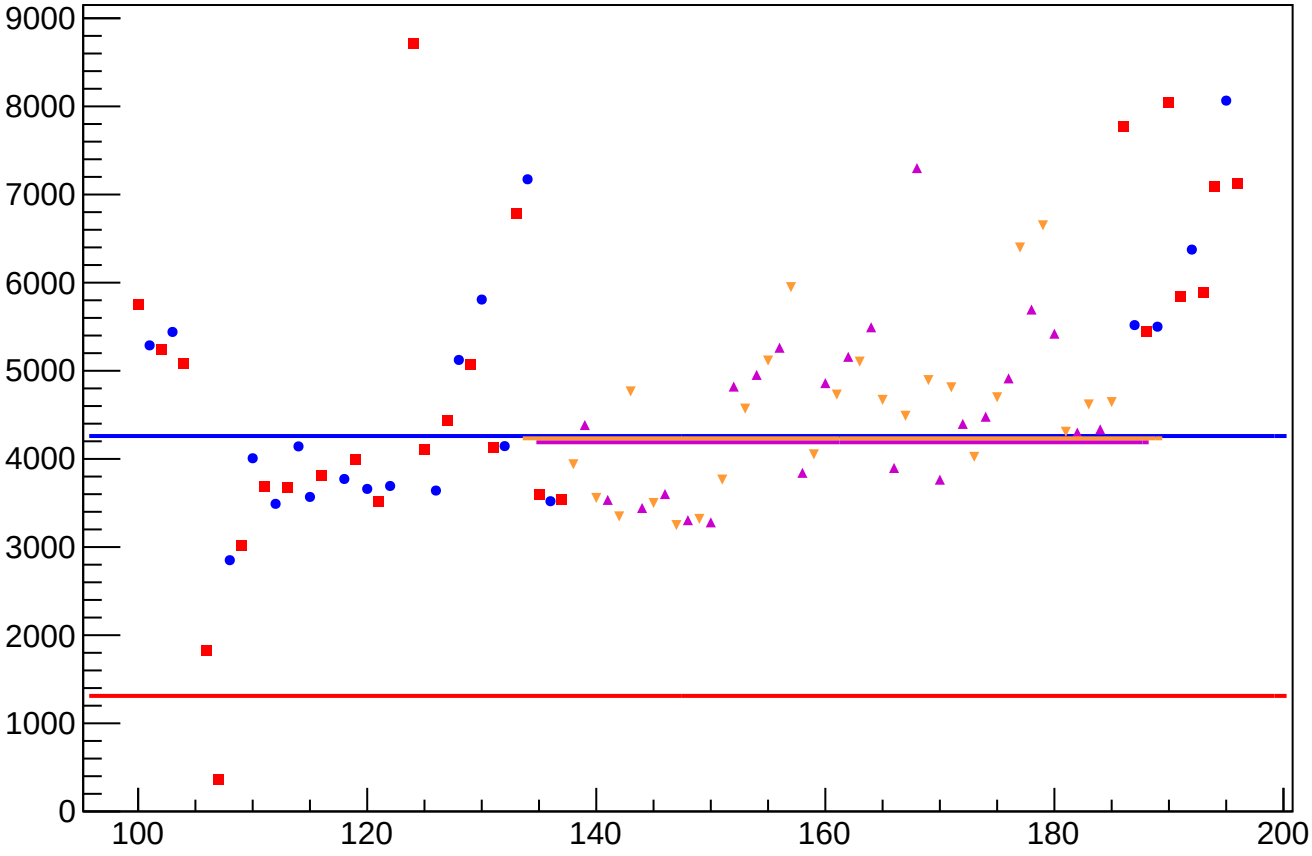
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 212.681+/-808.876 χ^2/NDF: 44.8/44

All: -348.157+/-449.840 χ^2/NDF: 89.9/93

- sign -599.281+/-541.261 χ^2/NDF: 44.4/48

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4259.721+/-1.002 χ^2/NDF: 1416783.1/19

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1311.213+/-0.455 χ^2/NDF: 15449753.5/25

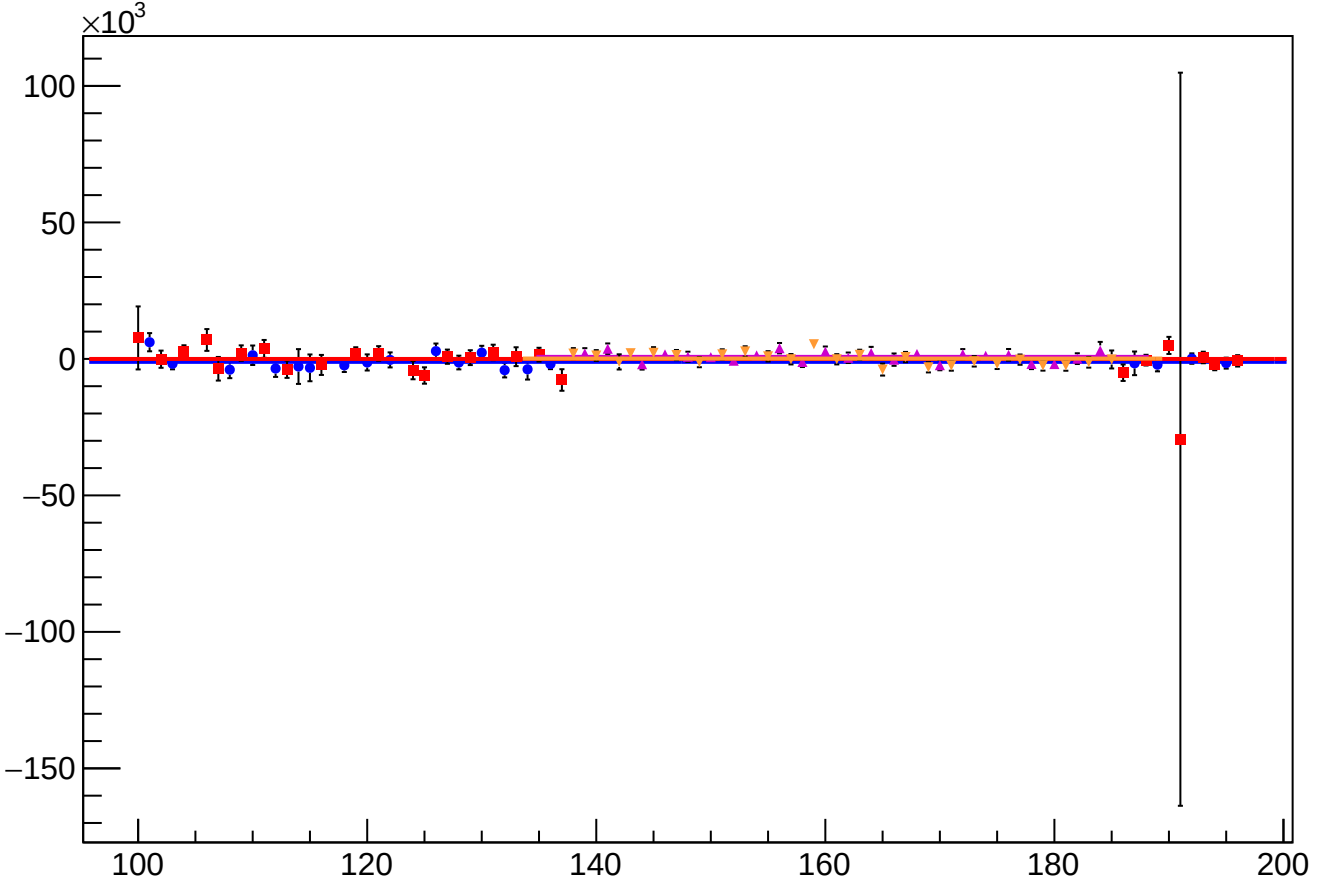
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4242.311+/-0.572 χ^2/NDF: 2702013.7/44

All: 2799.931+/-0.318 χ^2/NDF: 40411855.2/9

- sign 2154.084+/-0.383 χ^2/NDF: 28502734.1/48

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1080.853+/-599.000 χ^2/NDF: 13.8/19

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.637+/-556.311 χ^2/NDF: 28.0/25

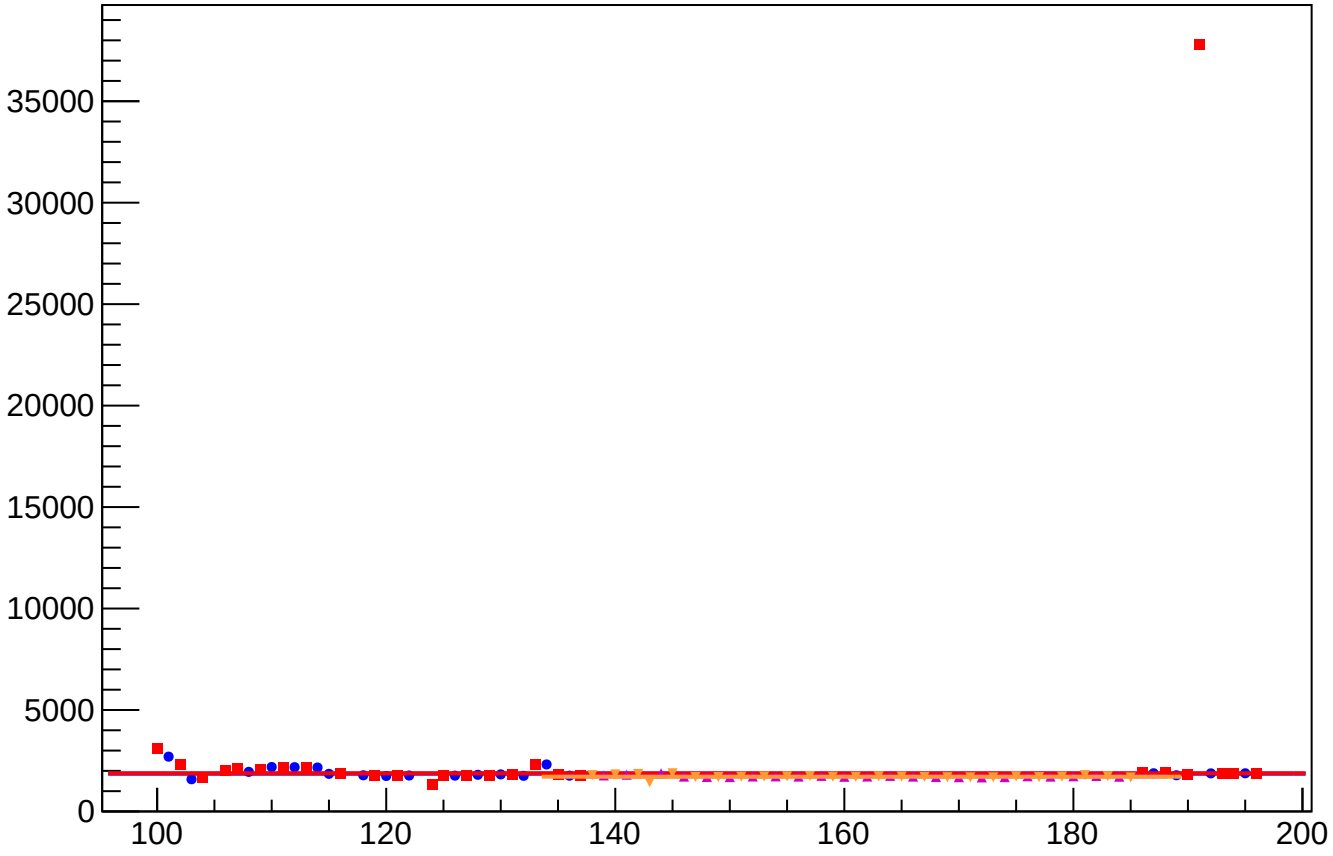
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -236.835+/-326.512 χ^2/NDF: 46.4/44

All: 120.246+/-231.044 χ^2/NDF: 96.9/93

- sign 478.350+/-326.979 χ^2/NDF: 48.2/48

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1864.125+/-0.424 χ^2/NDF: 258739.6/19

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

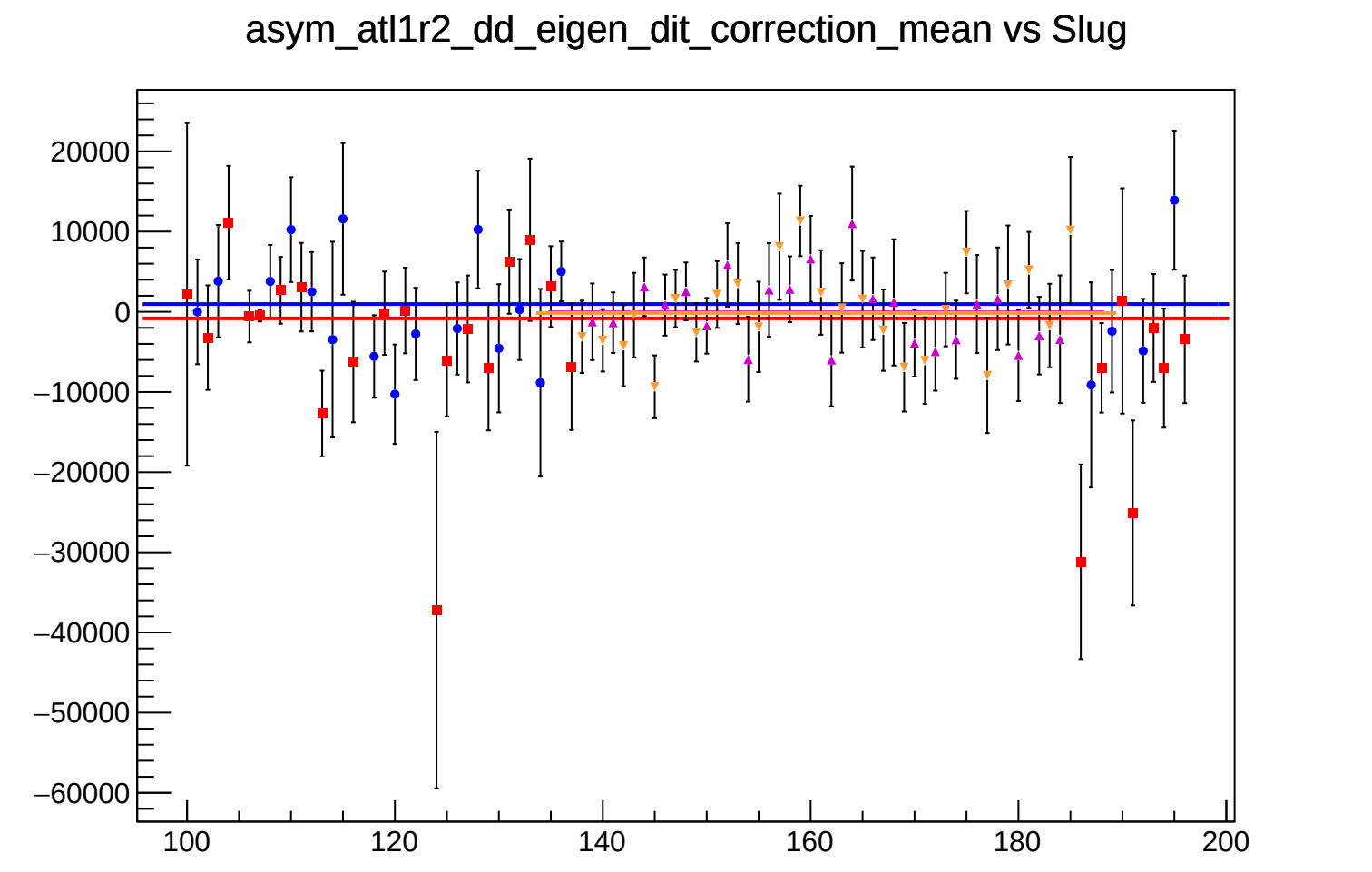
Right Out: 1879.897+/-0.393 χ^2/NDF: 407983.3/25

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1757.419+/-0.231 χ^2/NDF: 443436.4/44

All: 1769.716+/-0.163 χ^2/NDF: 974849.5/93

- sign 1782.044+/-0.231 χ^2/NDF: 525732.1/48



Right In: 964.153+/-1417.513 χ^2/NDF: 17.5/19

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -820.543+/-643.686 χ^2/NDF: 29.9/25

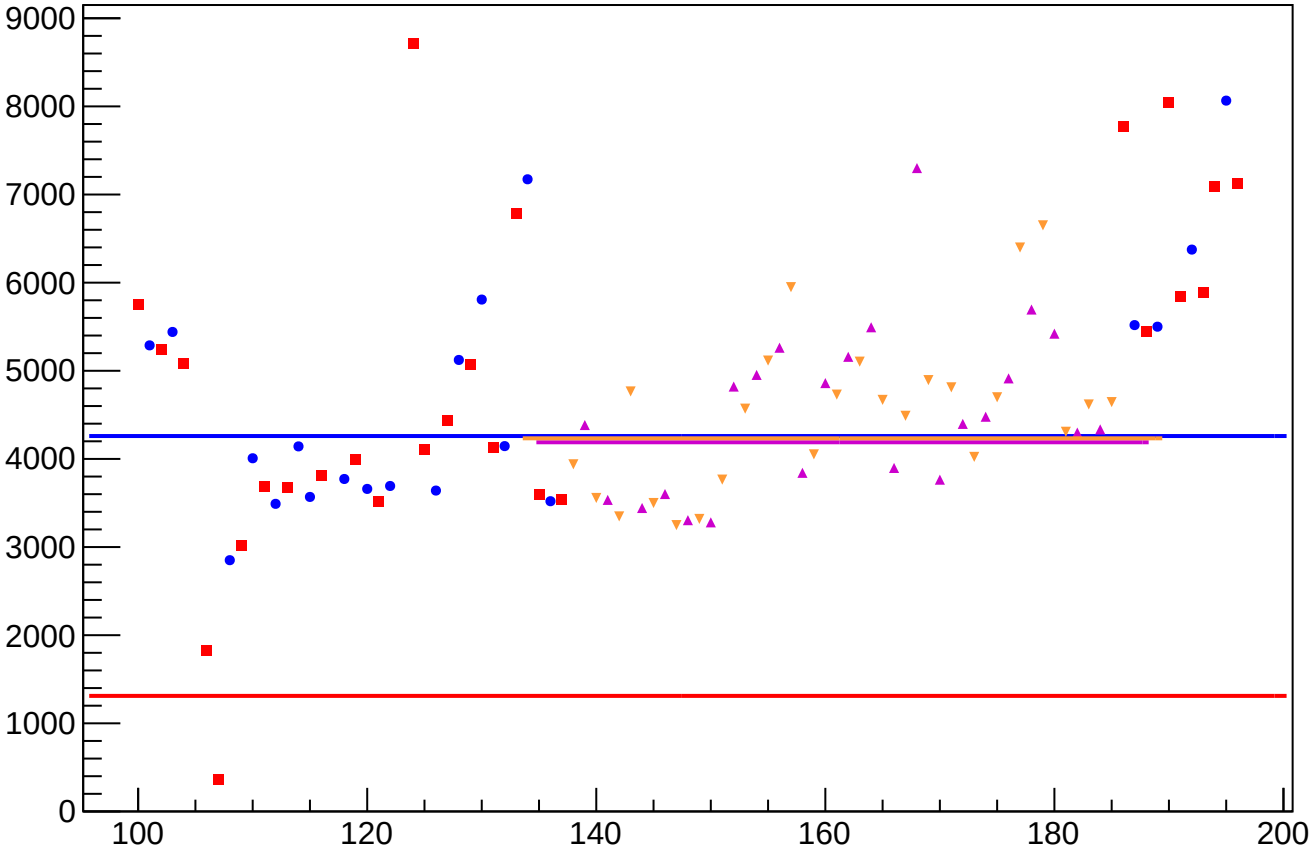
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 212.677+/-808.877 χ^2/NDF: 44.8/44

All: -348.160+/-449.844 χ^2/NDF: 89.9/93

- sign -599.289+/-541.268 χ^2/NDF: 44.4/48

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4259.715+/-1.002 χ^2/NDF: 1416786.7/19

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1311.249+/-0.455 χ^2/NDF: 15449549.5/25

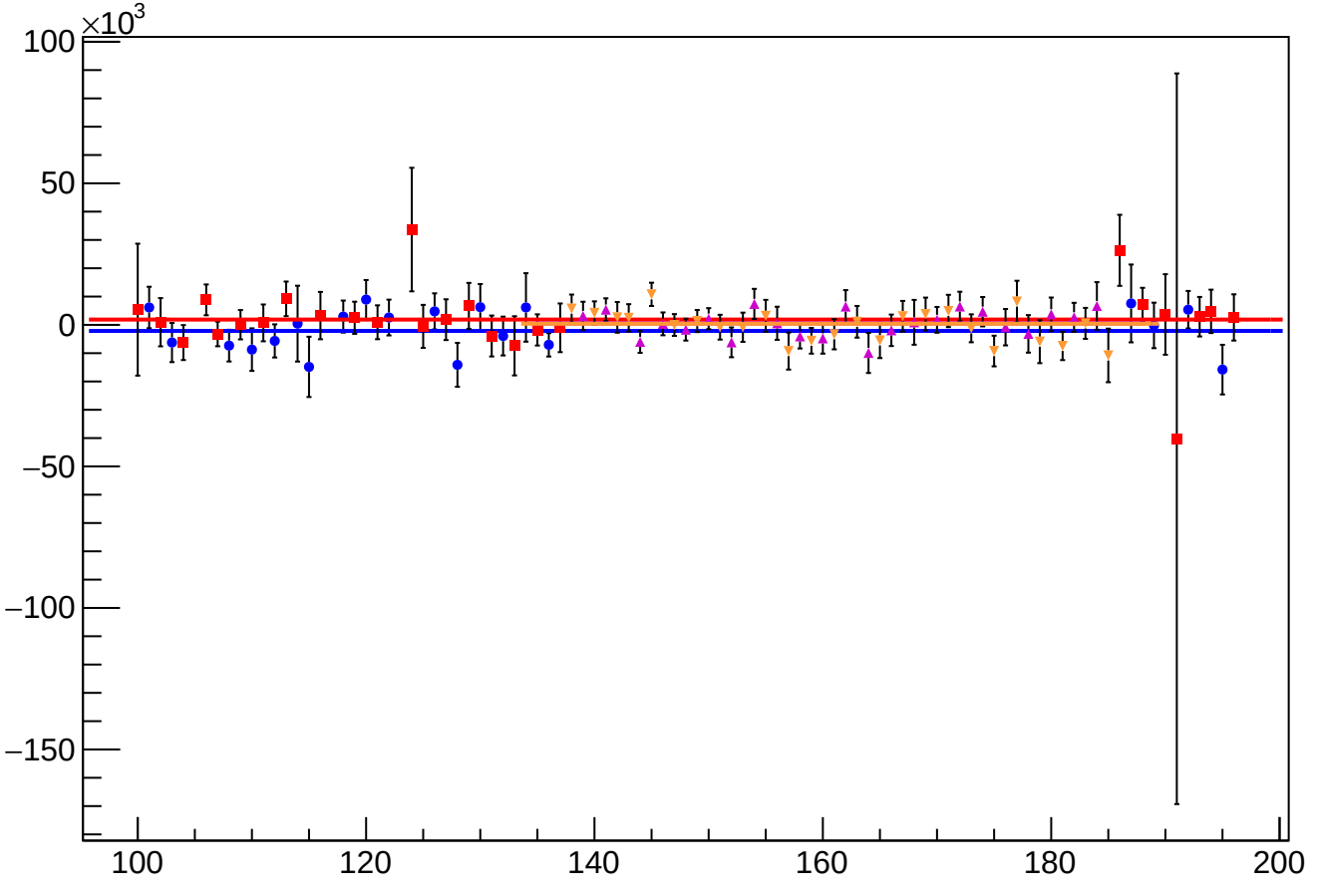
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4242.313+/-0.572 χ^2/NDF: 2702019.3/44

All: 2799.973+/-0.318 χ^2/NDF: 40410830.9/9

- sign 2154.129+/-0.383 χ^2/NDF: 28502152.6/48

asym_atl1r2_dd_mean vs Slug



Right In: -2142.979+/-1563.911 χ^2/NDF: 19.8/19

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1874.840+/-1399.302 χ^2/NDF: 15.9/25

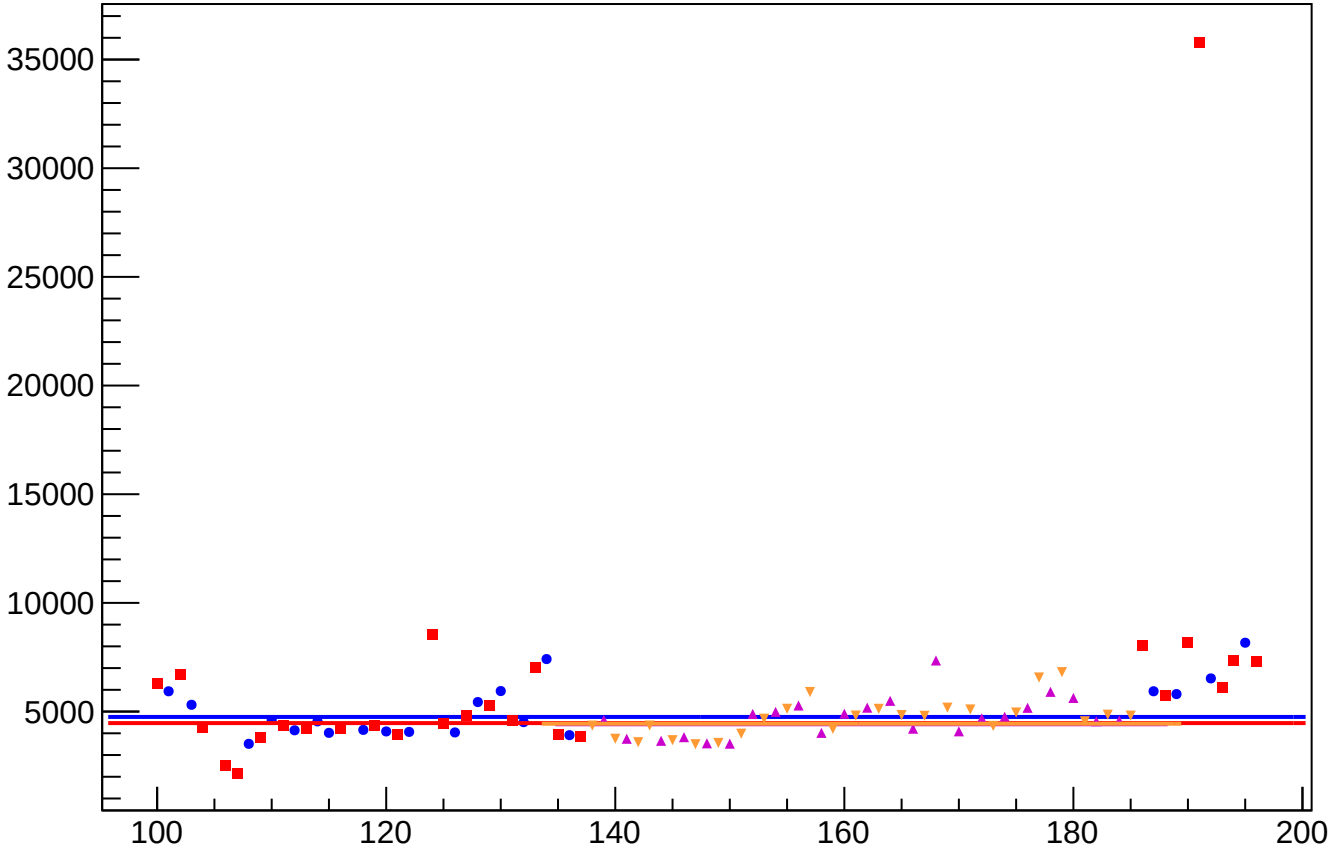
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -368.864+/-859.284 χ^2/NDF: 46.4/44

All: 329.814+/-600.557 χ^2/NDF: 81.5/93

- sign 996.985+/-839.686 χ^2/NDF: 33.8/48

asym_atl1r2_dd_rms vs Slug



Right In: 4752.142+/-1.106 χ^2/NDF: 1019453.1/19

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4469.146+/-0.981 χ^2/NDF: 2490601.7/25

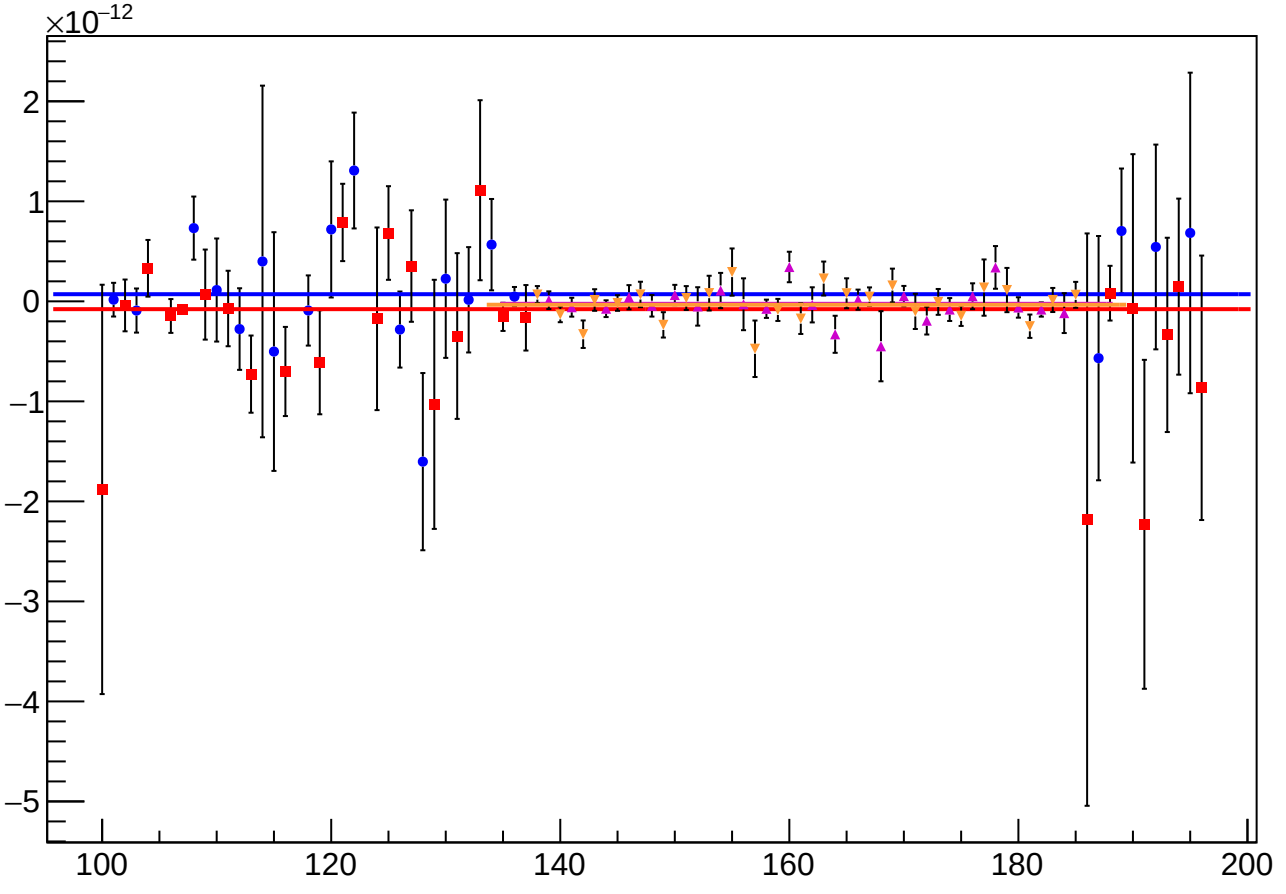
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4534.798+/-0.608 χ^2/NDF: 2147904.5/44

All: 4483.567+/-0.424 χ^2/NDF: 5765685.4/93

- 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: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/25

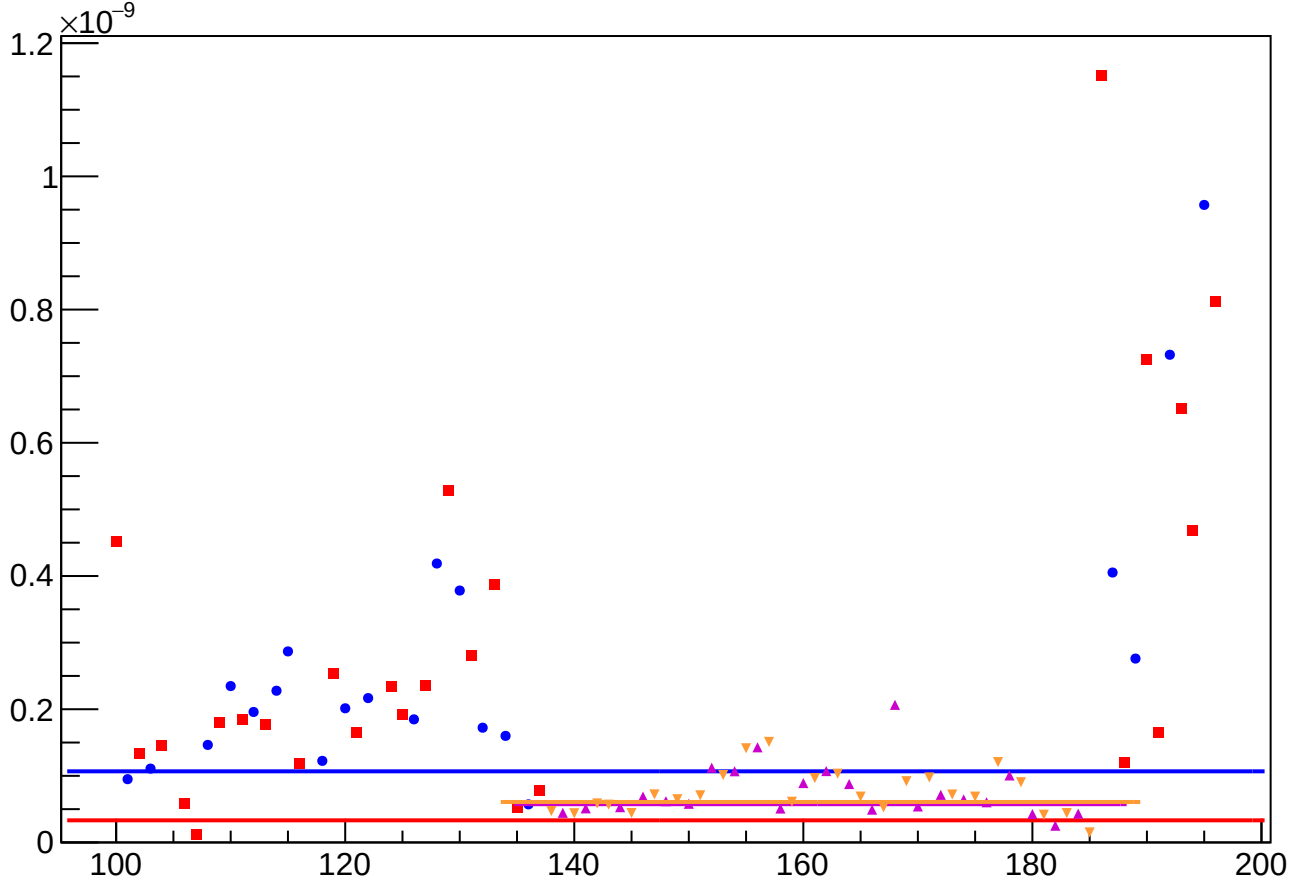
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/44

All: -0.000+/-0.000 χ^2/NDF: 94.4/93

- 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: 3161697.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

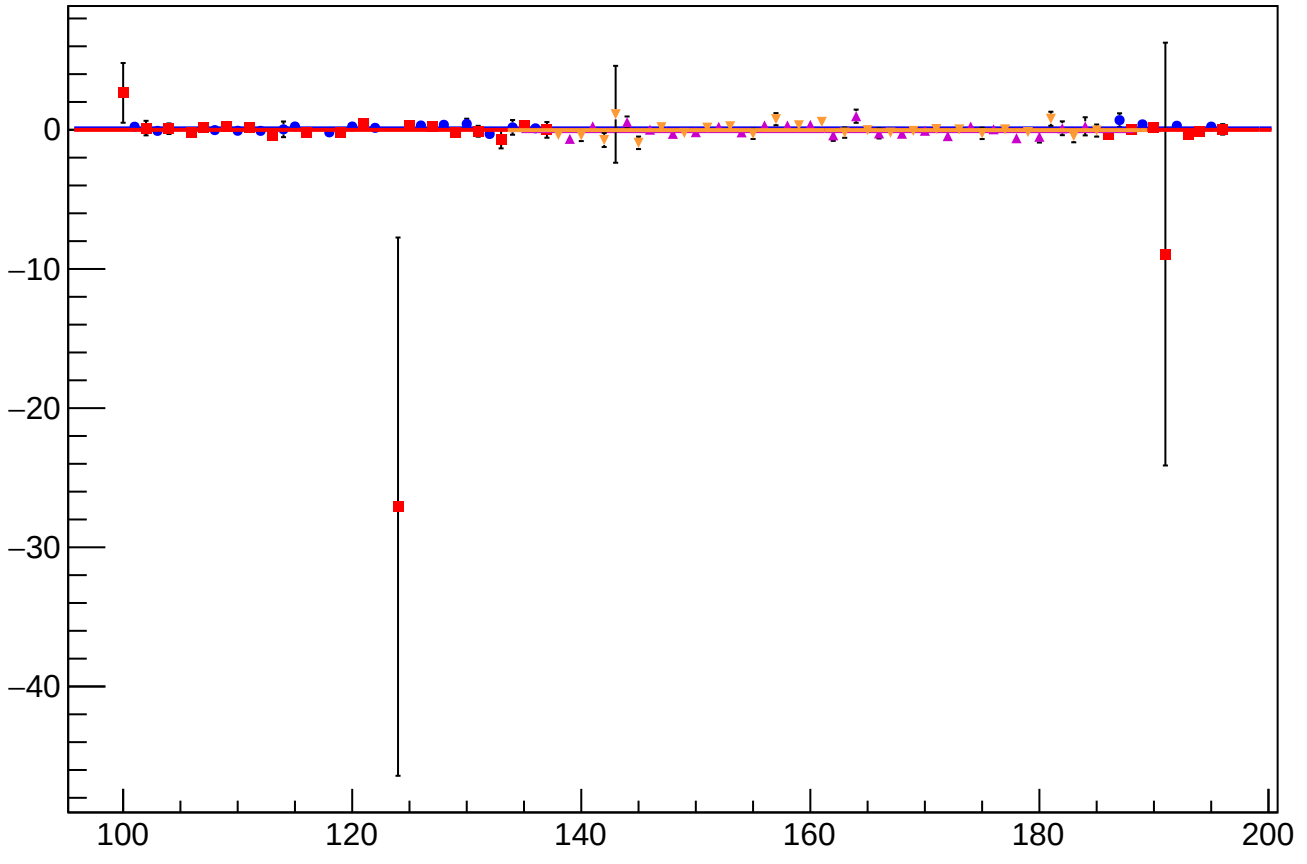
Right Out: 0.000+/-0.000 χ^2/NDF: 7303551.8/25

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5707653.0/44

All: 0.000+/-0.000 χ^2/NDF: 16241029.6/93

- sign 0.000+/-0.000 χ^2/NDF: 9877957.0/48



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

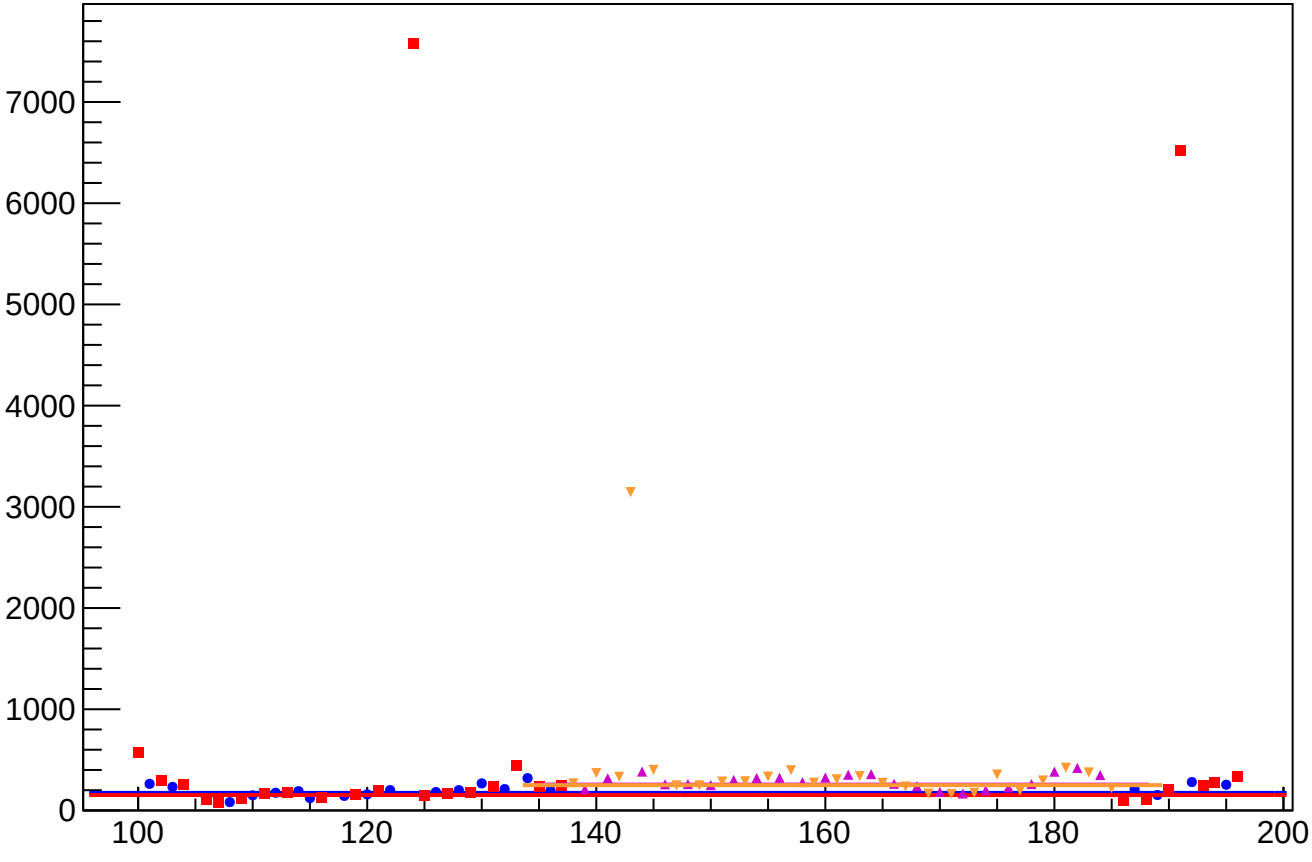
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/93

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 173.503+/-0.043 χ^2/NDF: 1967406.2/19

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

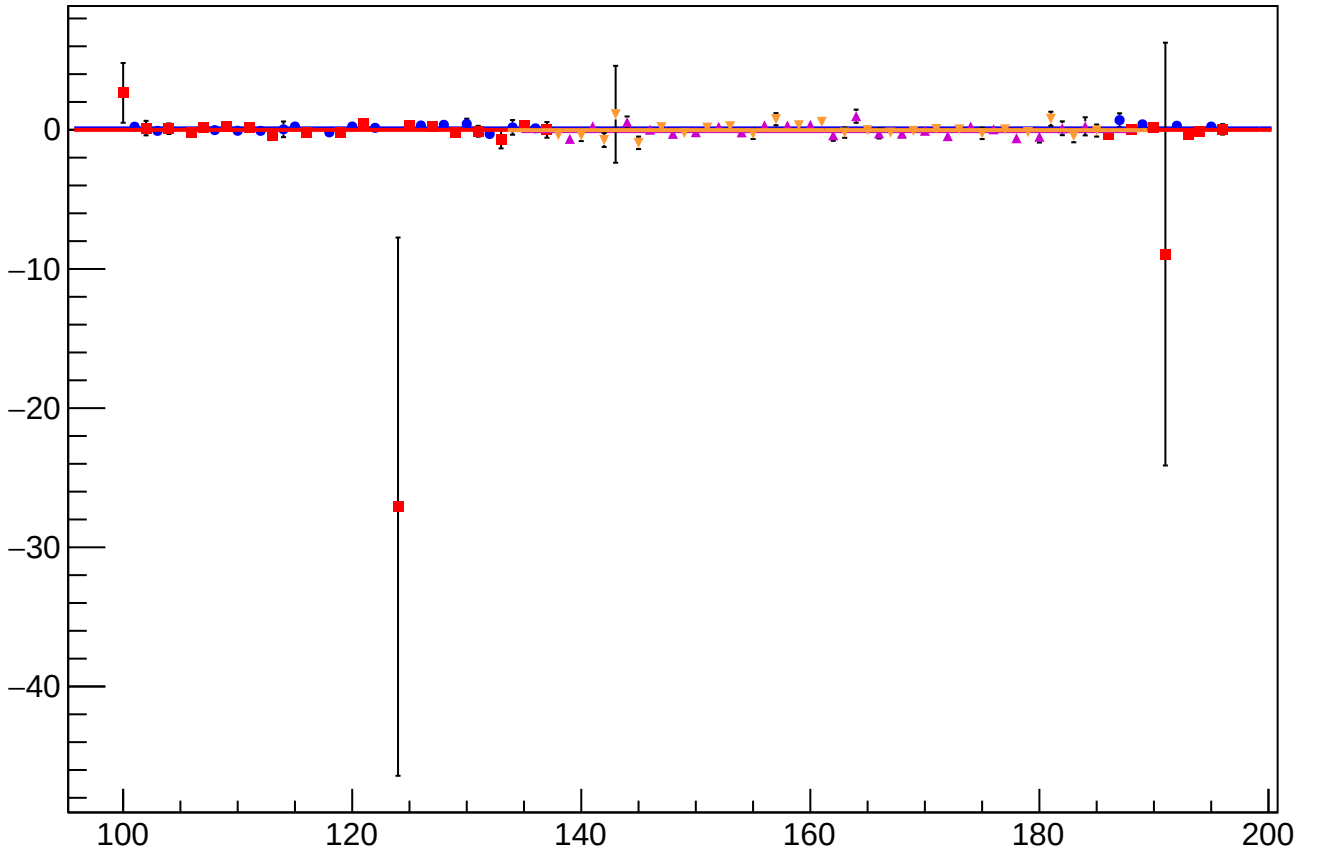
Right Out: 152.372+/-0.036 χ^2/NDF: 3824406.4/25

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.753+/-0.030 χ^2/NDF: 7774096.2/44

All: 201.166+/-0.021 χ^2/NDF: 17121893.0/93

- sign 193.048+/-0.028 χ^2/NDF: 9164535.9/48



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

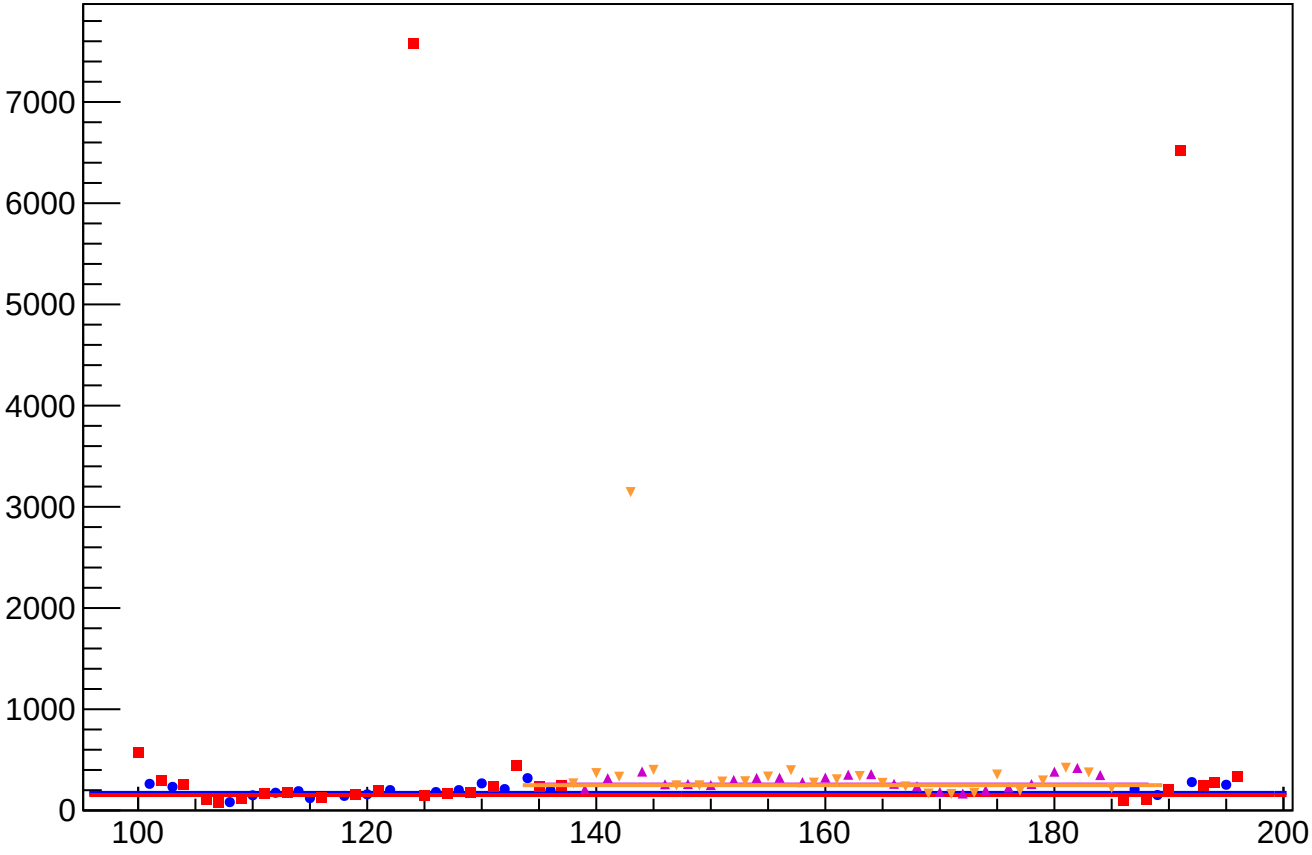
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/93

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 173.503+/-0.043 χ^2/NDF: 1967406.2/19

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

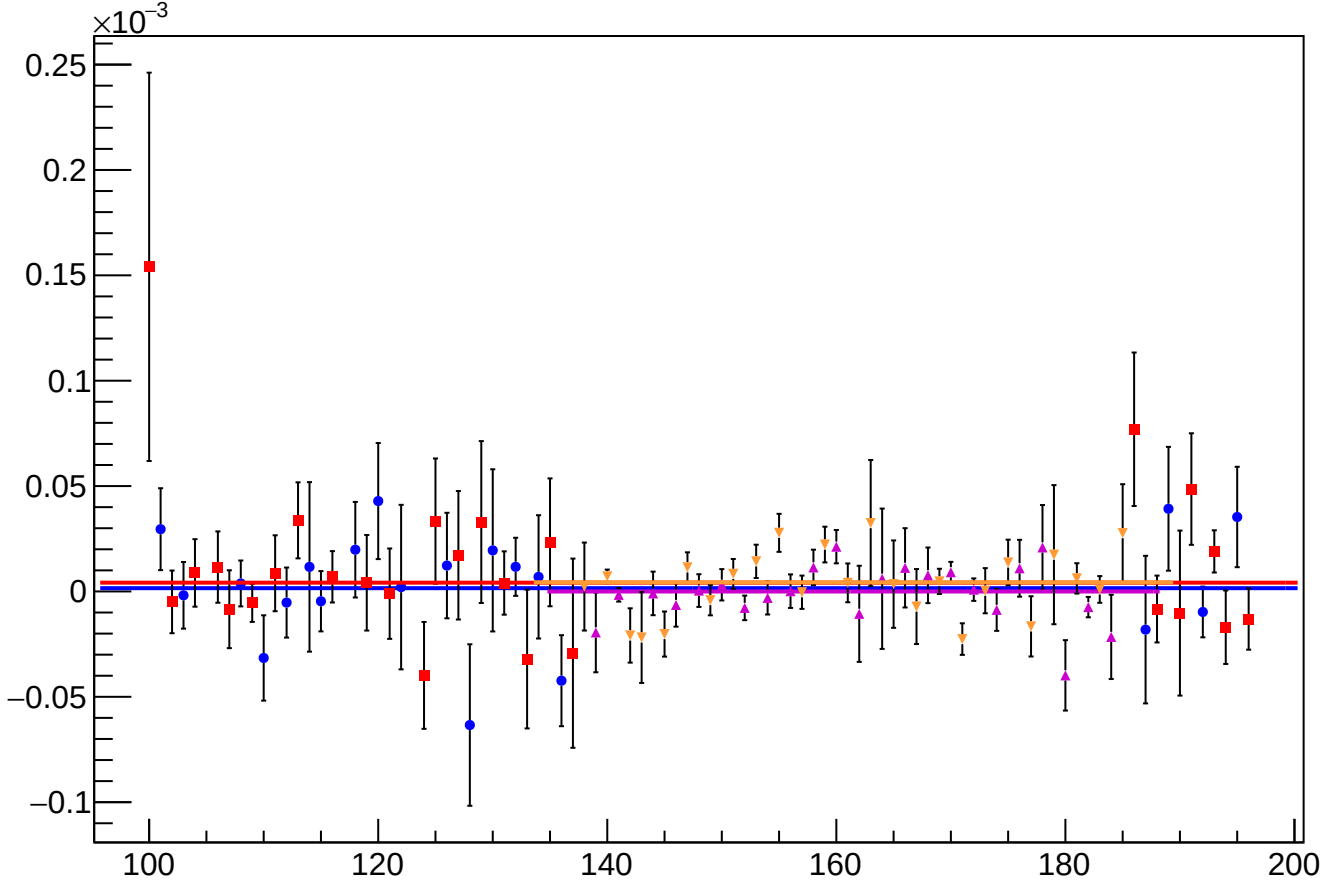
Right Out: 152.372+/-0.036 χ^2/NDF: 3824406.4/25

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.753+/-0.030 χ^2/NDF: 7774096.2/44

All: 201.166+/-0.021 χ^2/NDF: 17121893.0/93

- sign 193.048+/-0.028 χ^2/NDF: 9164535.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/25

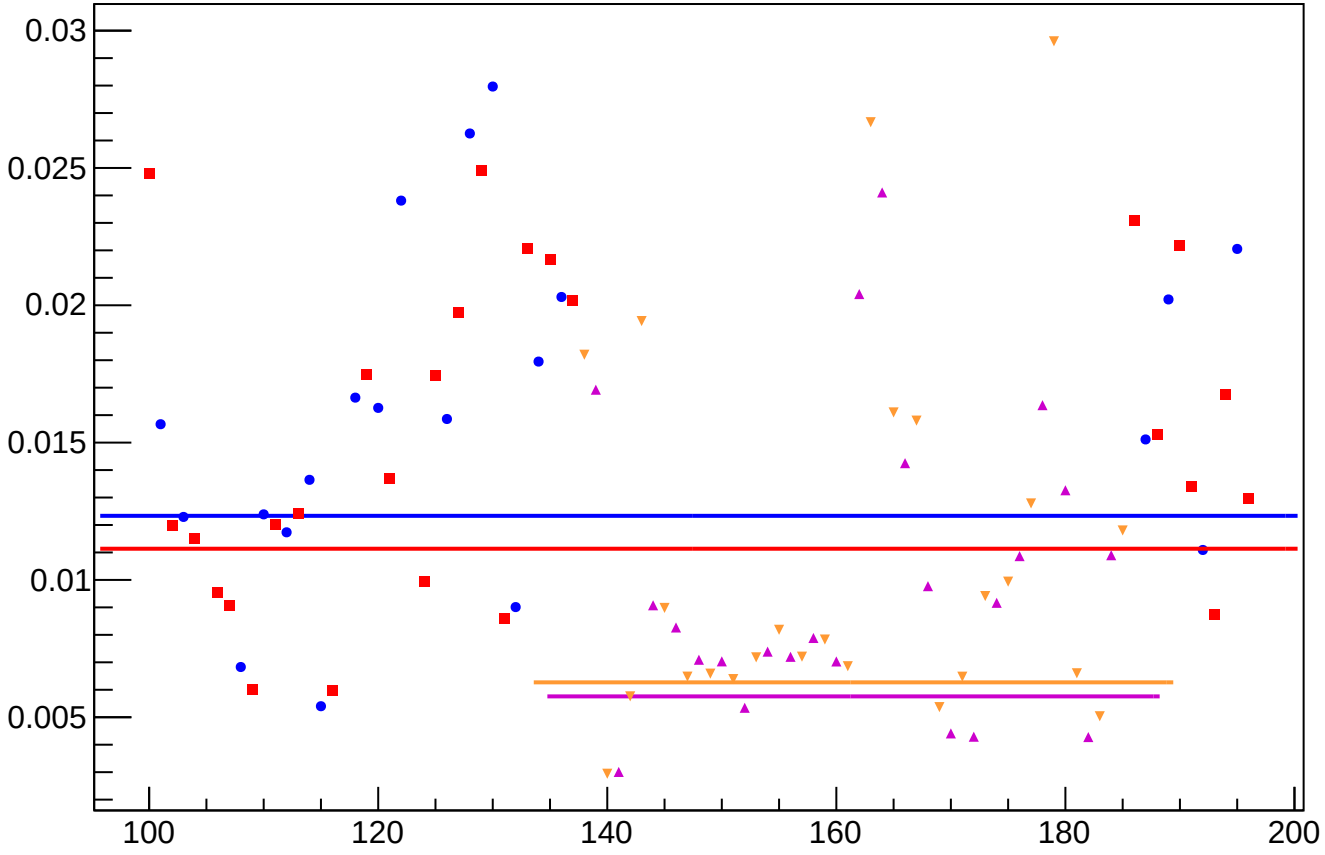
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.4/44

All: 0.000+/-0.000 χ^2/NDF: 127.3/93

- 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: 2936716.4/19

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

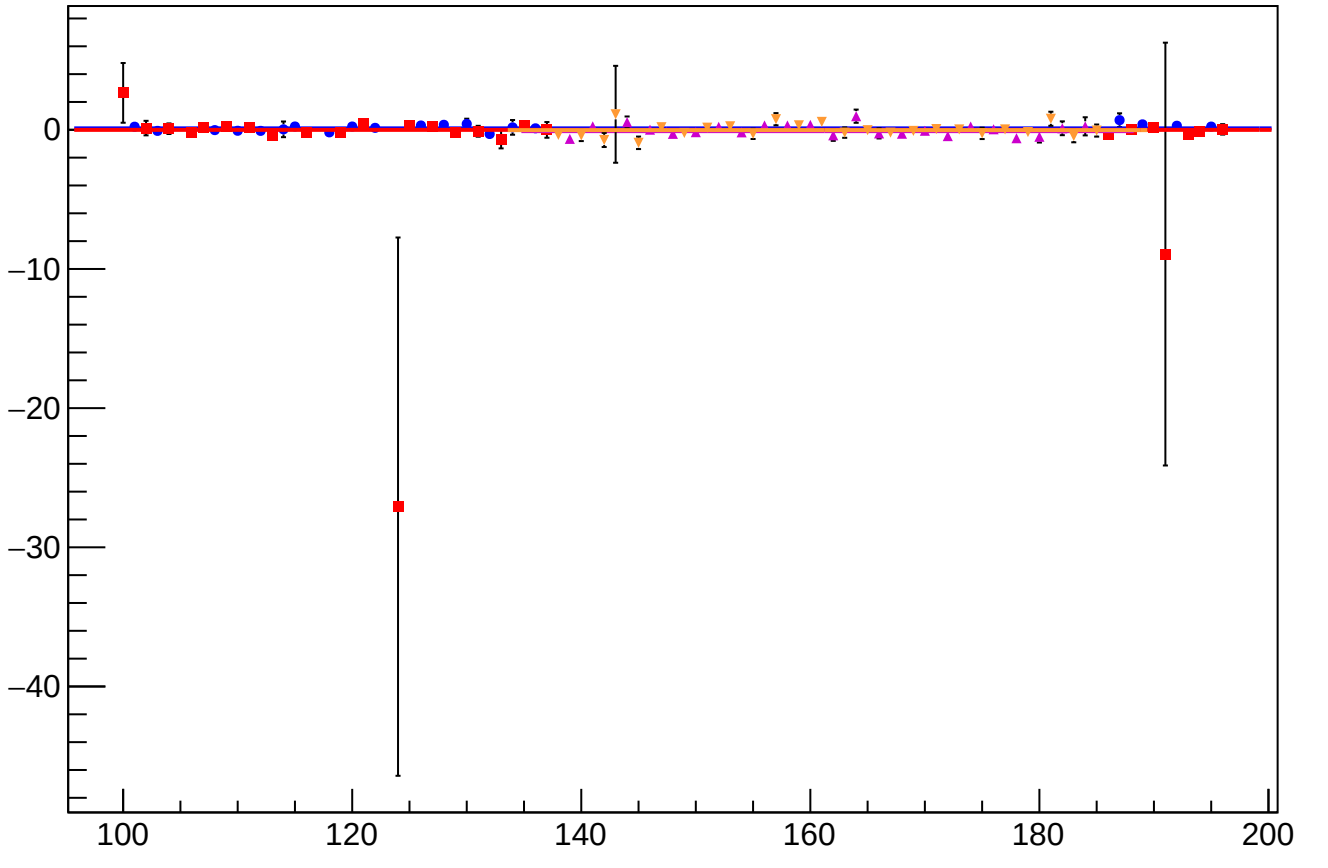
Right Out: 0.011+/-0.000 χ^2/NDF: 3290197.3/25

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 14236910.2/44

All: 0.007+/-0.000 χ^2/NDF: 28545280.0/93

- sign 0.007+/-0.000 χ^2/NDF: 14246226.2/48



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

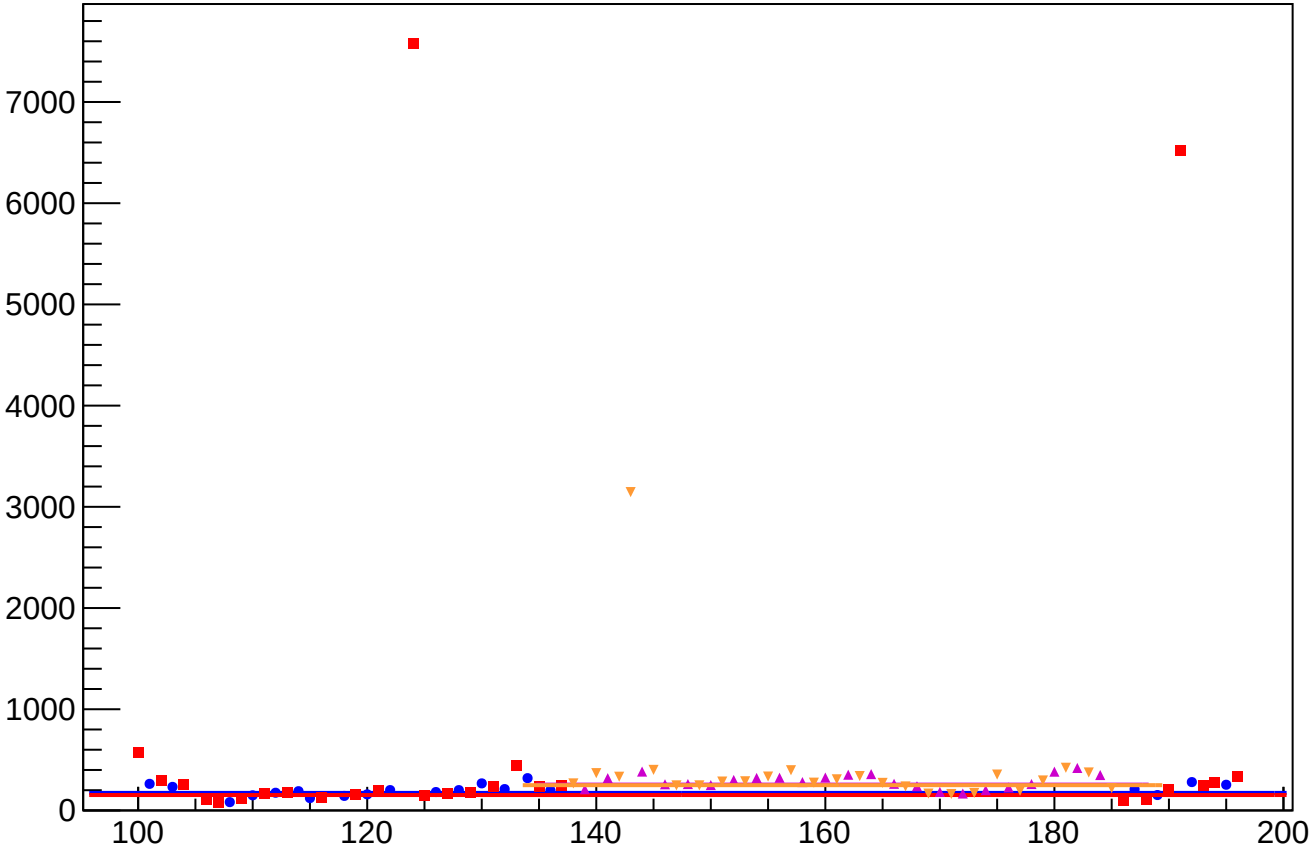
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/93

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 173.501+/-0.043 χ^2/NDF: 1967403.4/19

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

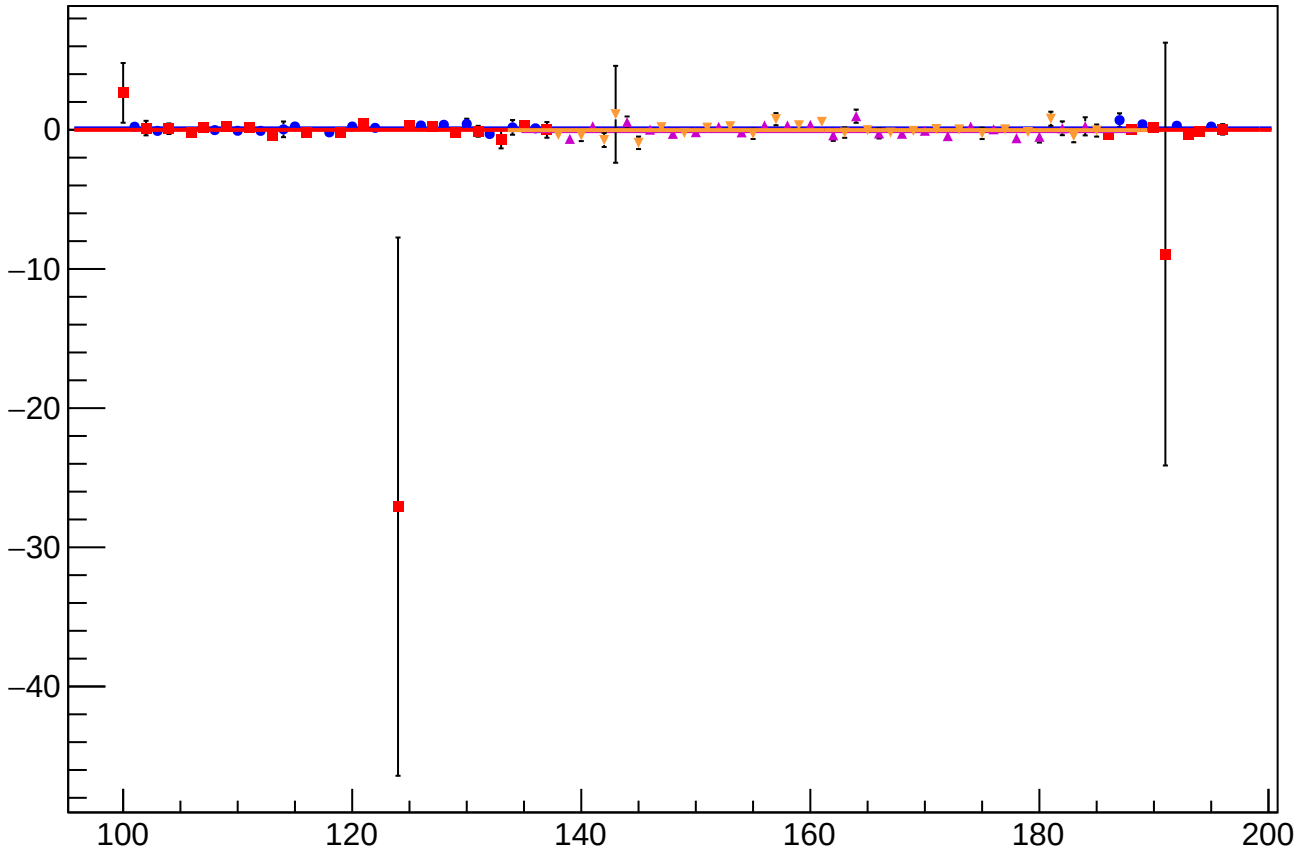
Right Out: 152.374+/-0.036 χ^2/NDF: 3824279.9/25

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.752+/-0.030 χ^2/NDF: 7774344.8/44

All: 201.167+/-0.021 χ^2/NDF: 17121922.5/93

- sign 193.050+/-0.028 χ^2/NDF: 9164386.4/48



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

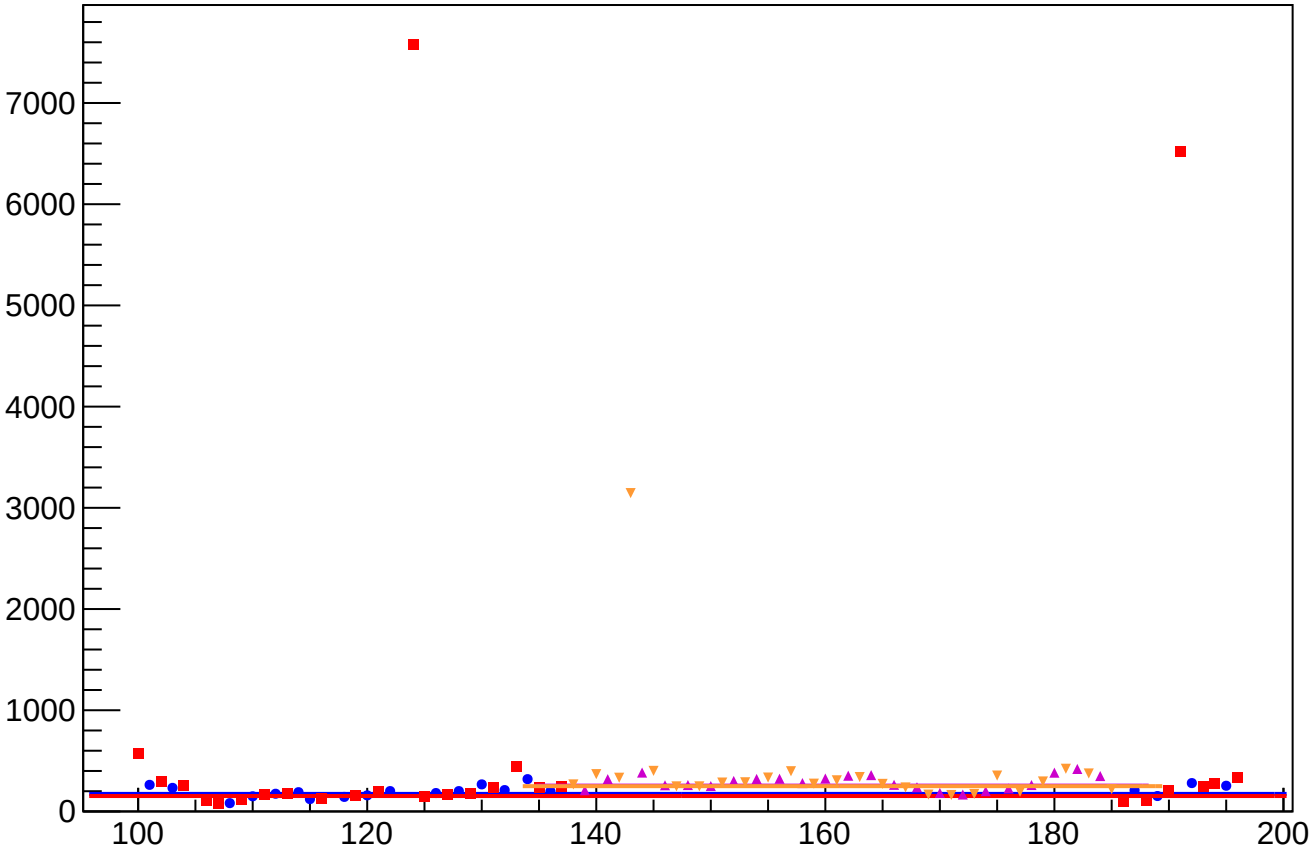
Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/93

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48



Right In: 173.501+/-0.043 χ^2/NDF: 1967403.4/19

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

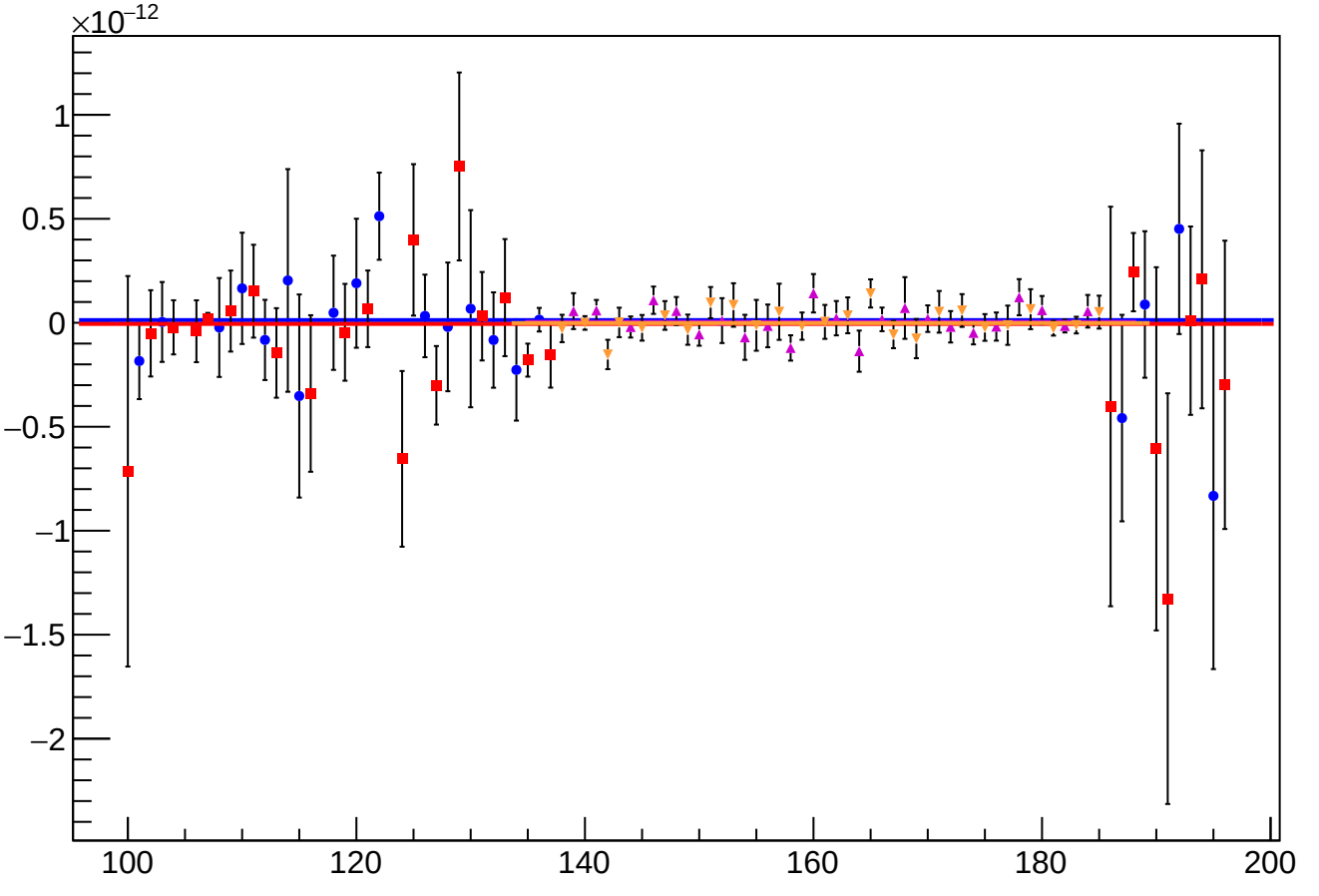
Right Out: 152.374+/-0.036 χ^2/NDF: 3824279.9/25

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.752+/-0.030 χ^2/NDF: 7774344.8/44

All: 201.167+/-0.021 χ^2/NDF: 17121922.5/93

- sign 193.050+/-0.028 χ^2/NDF: 9164386.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

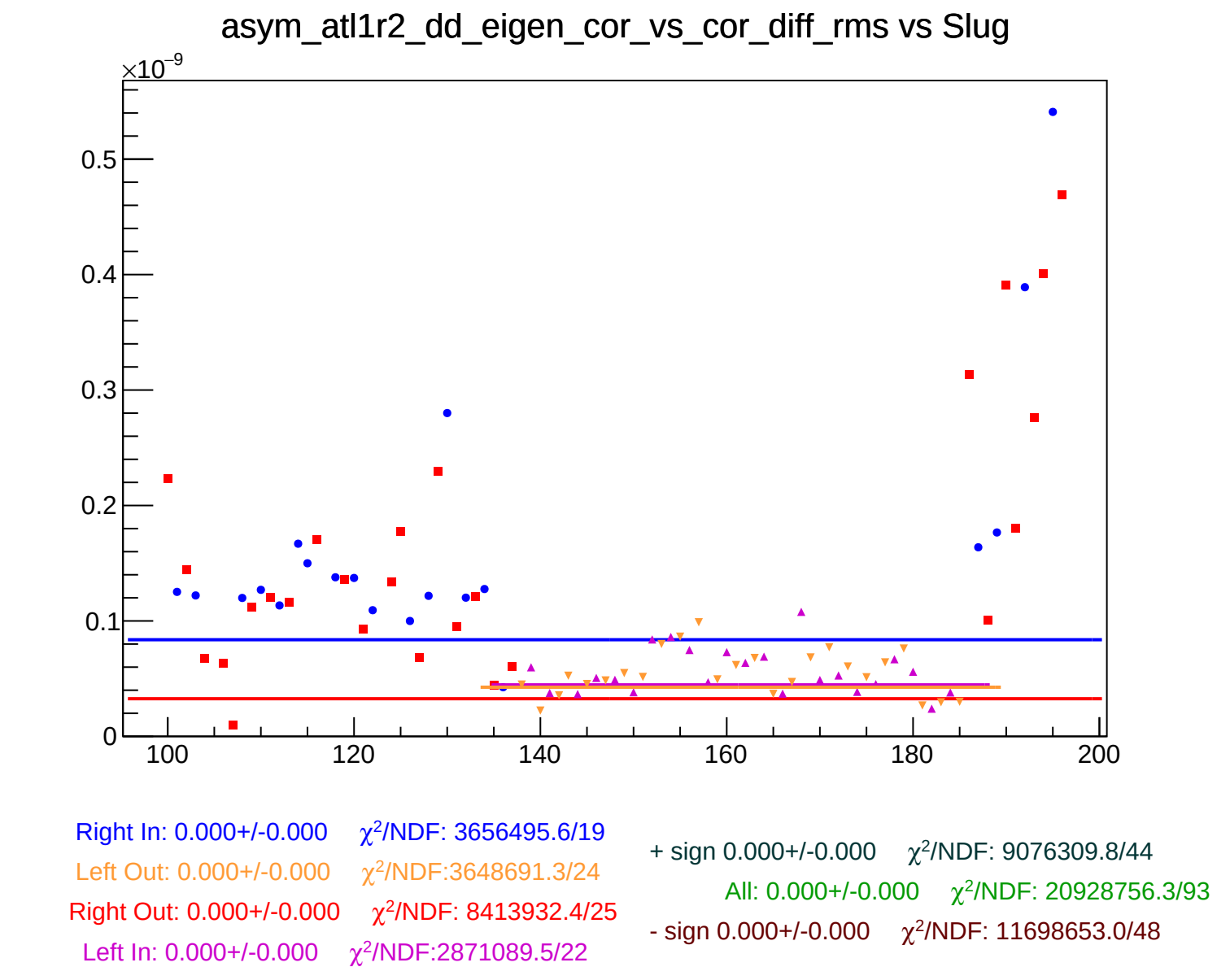
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/25

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

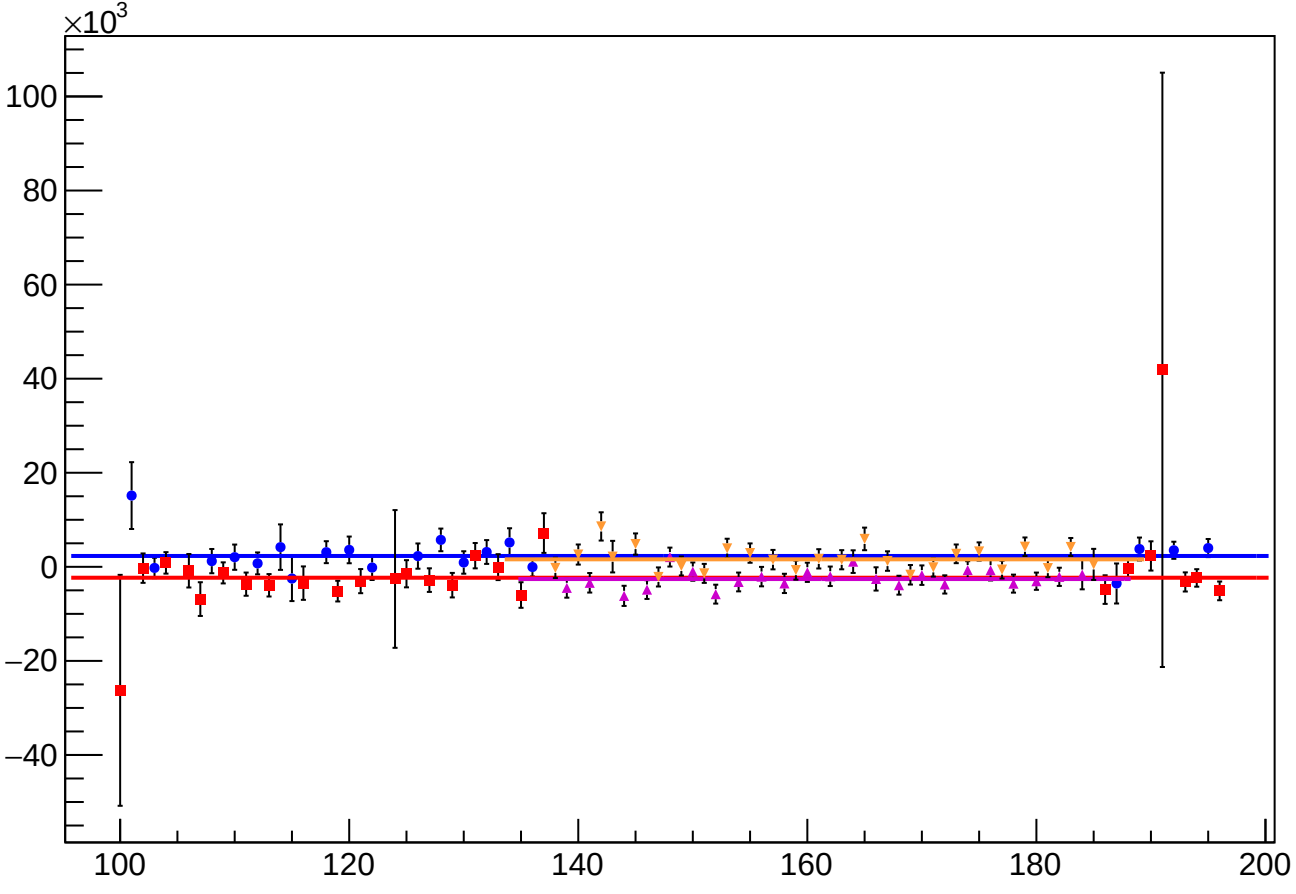
+ sign -0.000+/-0.000 χ^2/NDF: 28.8/44

All: 0.000+/-0.000 χ^2/NDF: 71.7/93

- 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: 3656495.6/19
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: 9076309.8/44
All: 0.000+/-0.000 χ²/NDF: 20928756.3/93
- sign 0.000+/-0.000 χ²/NDF: 11698653.0/48

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2308.509+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.184+/-528.293 χ^2/NDF: 25.5/25

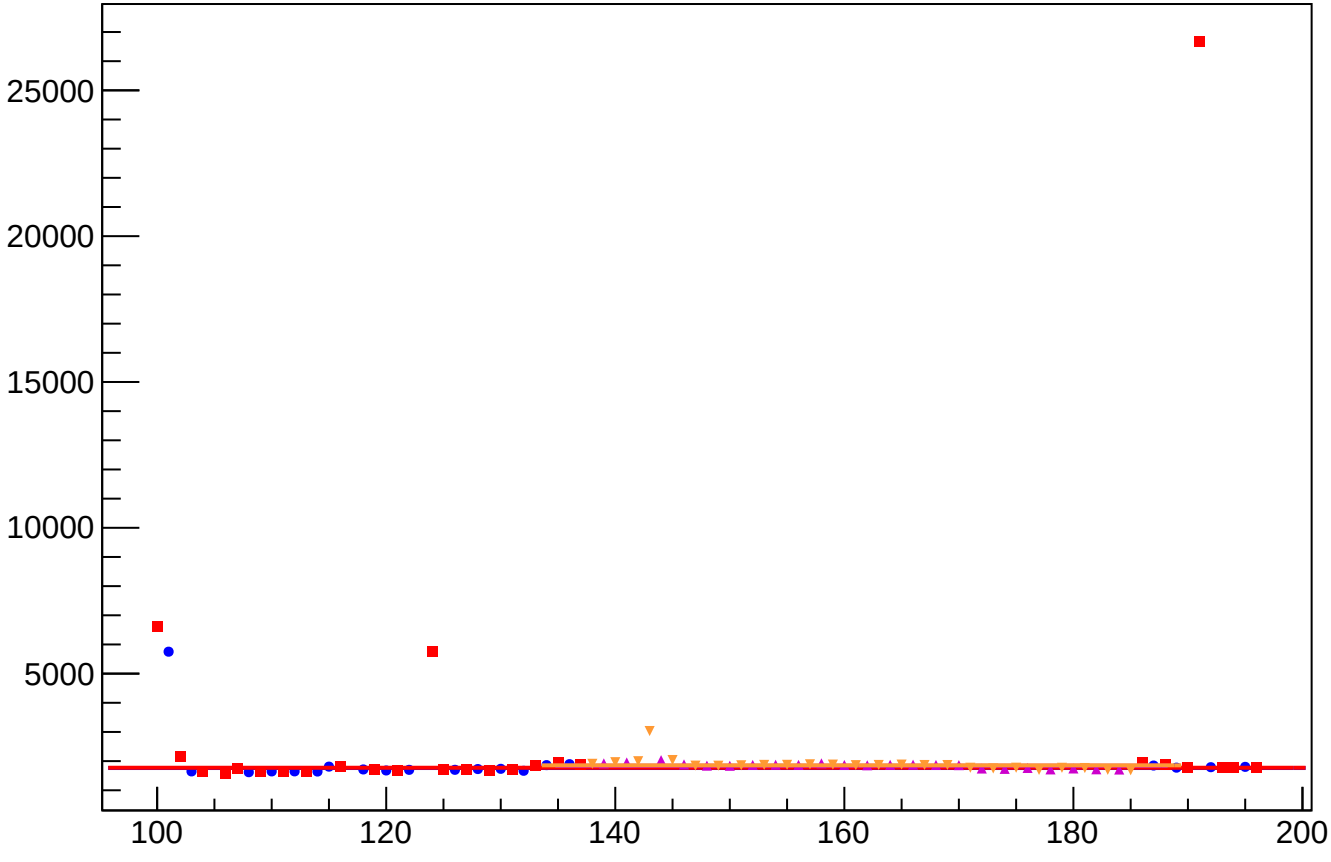
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.903+/-340.605 χ^2/NDF: 48.1/44

All: -365.267+/-238.340 χ^2/NDF: 176.4/93

- sign -2485.848+/-333.630 χ^2/NDF: 45.8/48

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1763.286+/-0.406 χ^2/NDF: 673467.9/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1772.530+/-0.372 χ^2/NDF: 638792.6/25

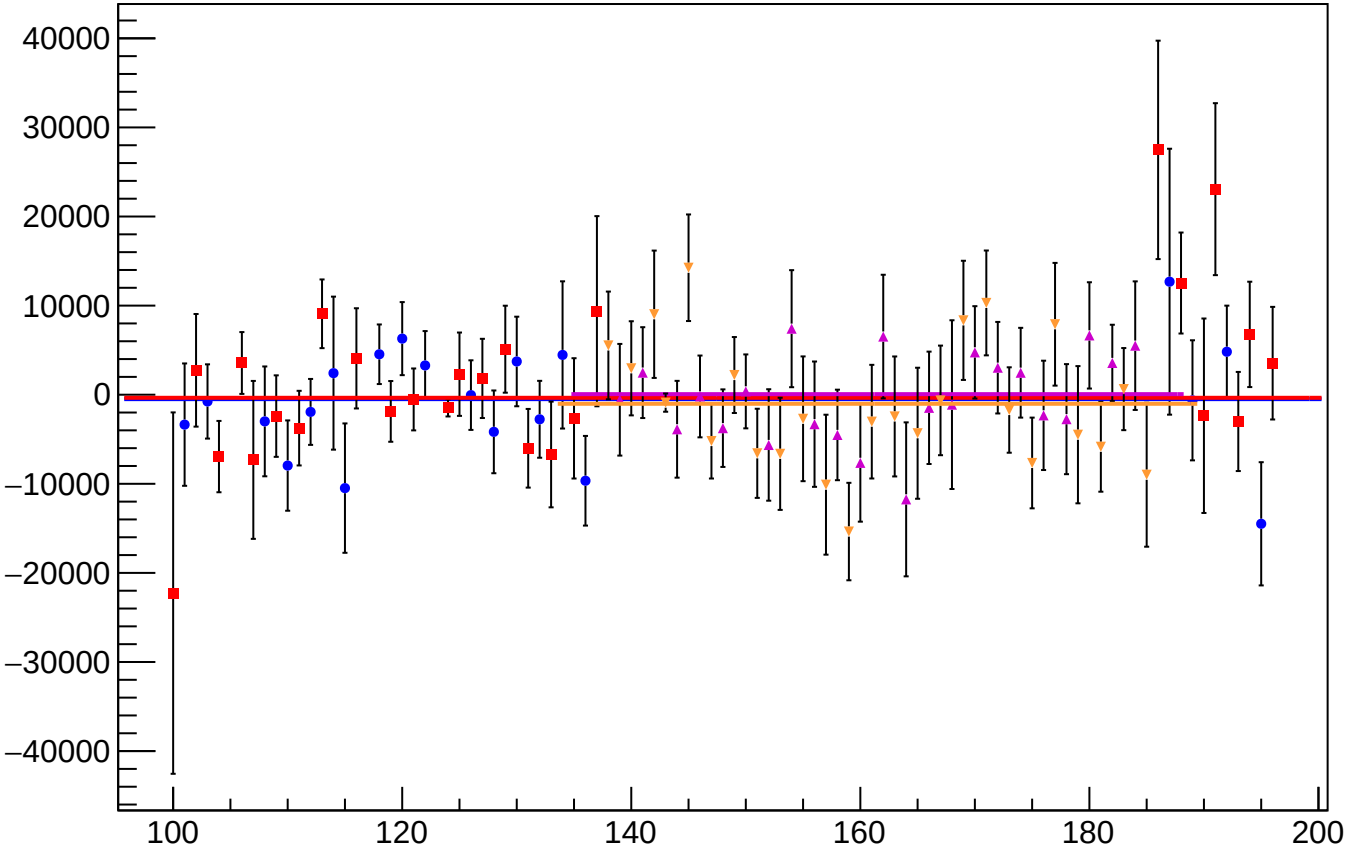
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.3/44

All: 1818.169+/-0.168 χ^2/NDF: 1762117.3/93

- sign 1813.524+/-0.235 χ^2/NDF: 730080.6/48

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -496.560+/-1111.288 χ^2/NDF: 21.9/19

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -346.738+/-699.881 χ^2/NDF: 38.9/25

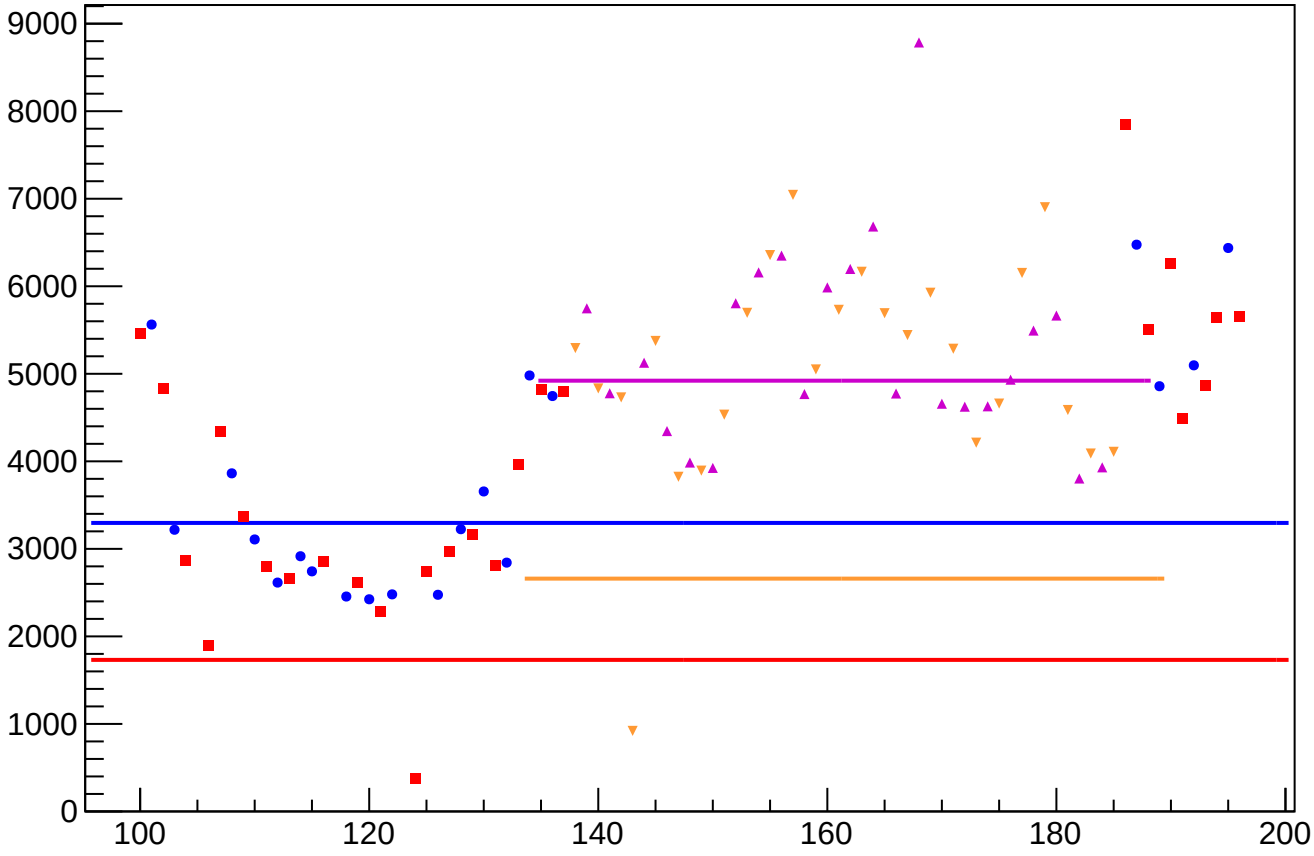
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -848.903+/-633.923 χ^2/NDF: 55.8/44

All: -527.951+/-436.178 χ^2/NDF: 108.3/93

- sign -239.390+/-601.085 χ^2/NDF: 52.1/48

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3296.340+/-0.786 χ^2/NDF: 1851106.6/19

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1731.557+/-0.495 χ^2/NDF: 11266859.9/25

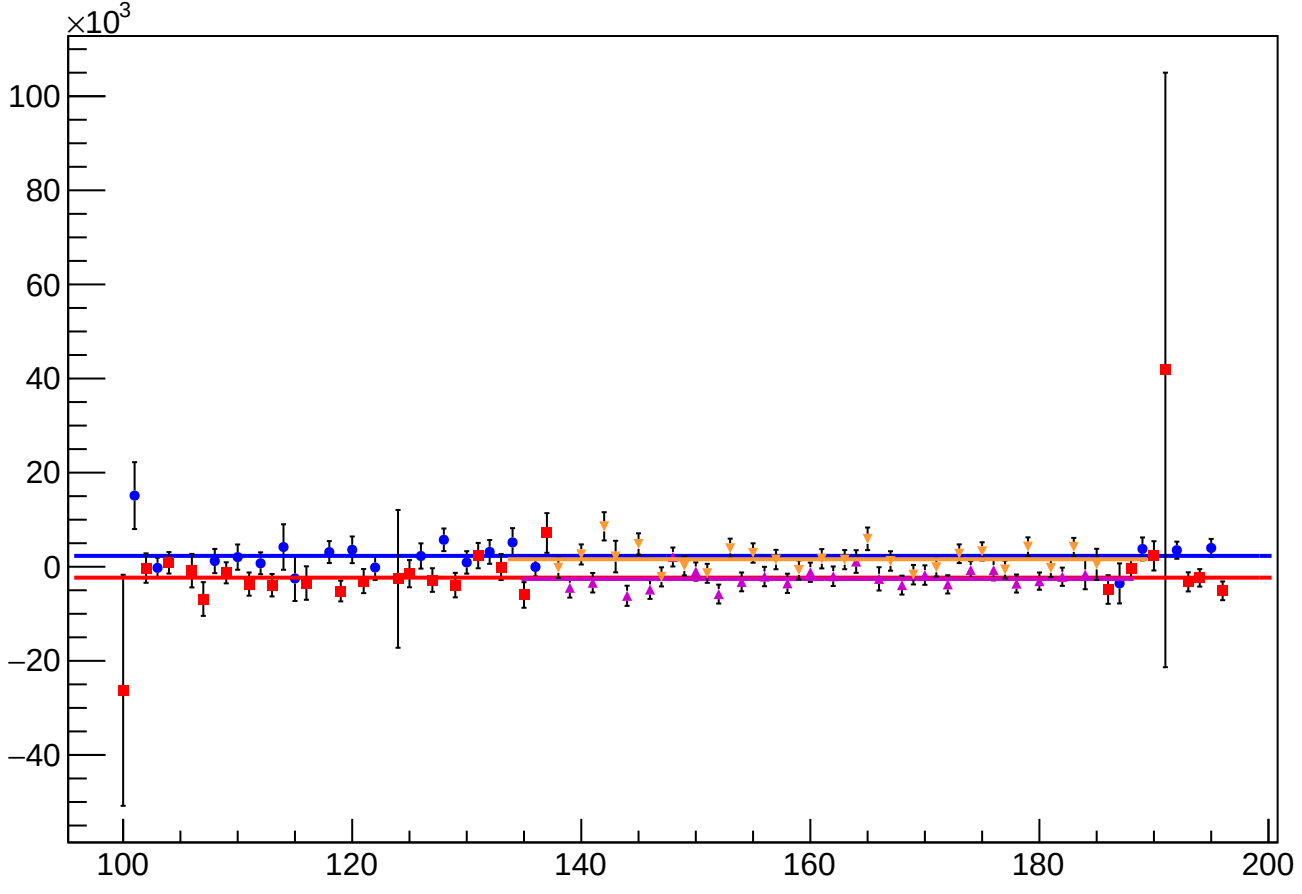
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2867.072+/-0.448 χ^2/NDF: 16829552.7/44

All: 2709.873+/-0.308 χ^2/NDF: 40481830.9/9

- sign 2568.538+/-0.425 χ^2/NDF: 23418716.9/48

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2308.280+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.225+/-528.293 χ^2/NDF: 25.5/25

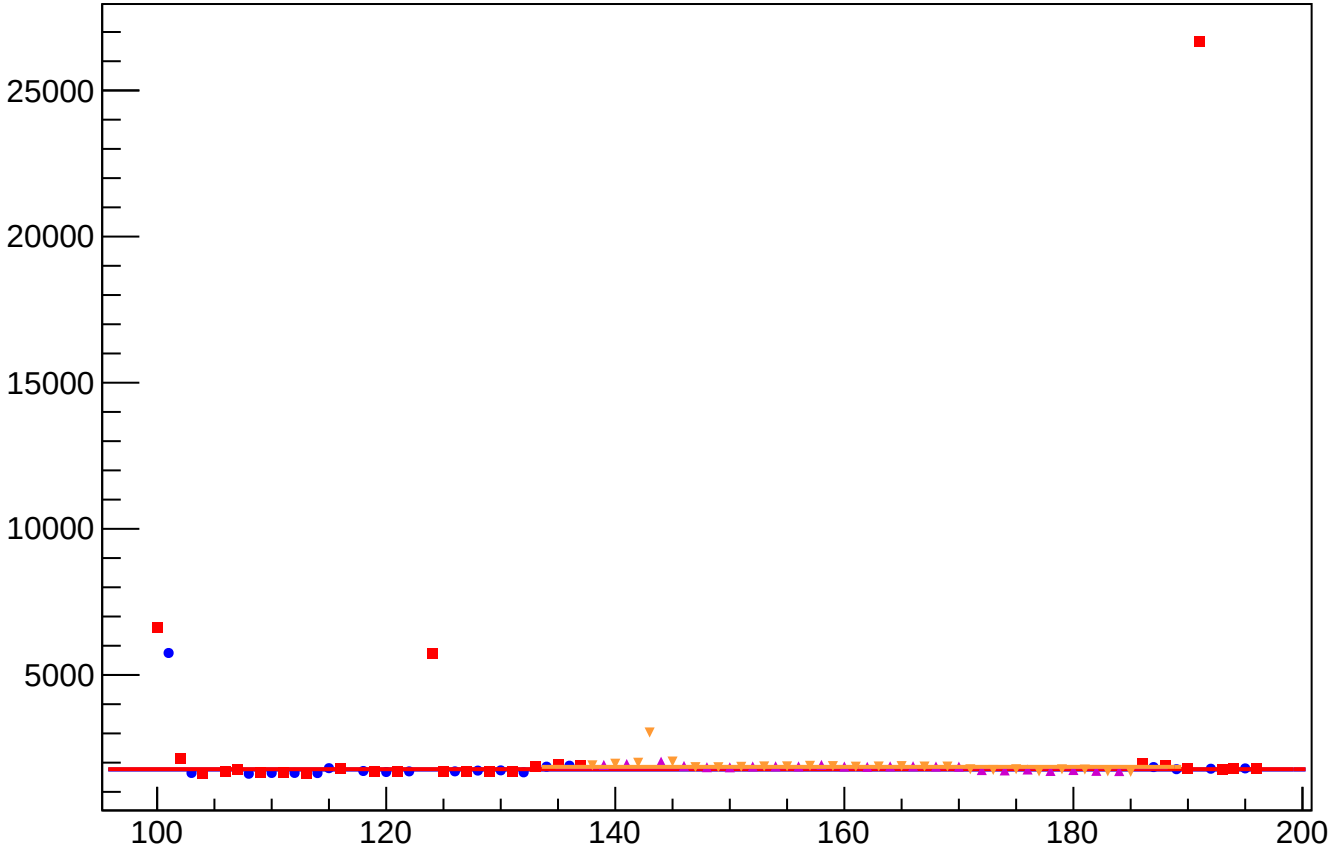
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.801+/-340.605 χ^2/NDF: 48.1/44

All: -365.347+/-238.340 χ^2/NDF: 176.4/93

- sign -2485.907+/-333.630 χ^2/NDF: 45.8/48

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1763.286+/-0.406 χ^2/NDF: 673468.2/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1777.054+/-0.373 χ^2/NDF: 630102.7/25

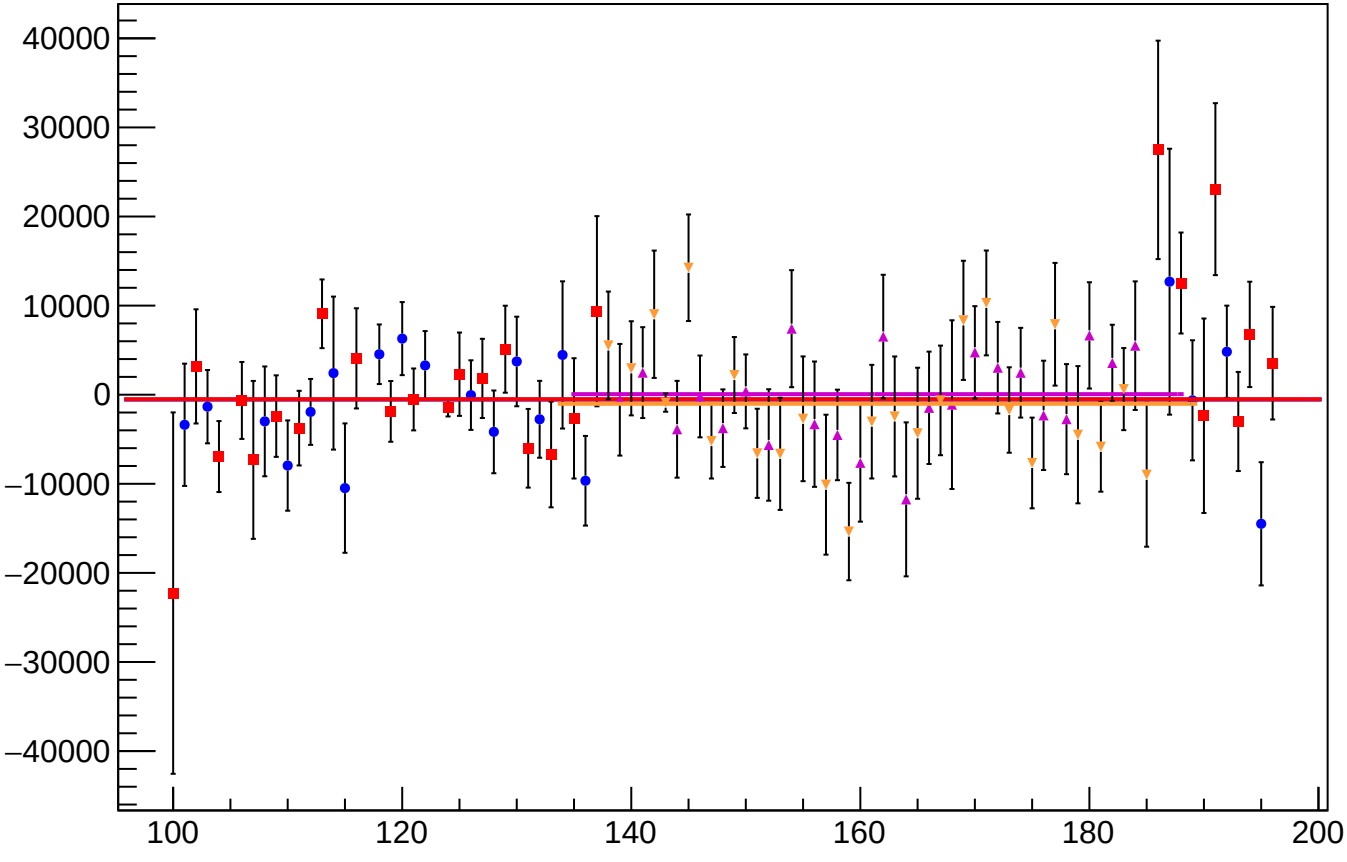
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.7/44

All: 1819.137+/-0.168 χ^2/NDF: 1750497.4/93

- sign 1815.411+/-0.236 χ^2/NDF: 718745.6/48

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -540.019+/-1110.264 χ^2/NDF: 21.9/19

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -513.975+/-705.008 χ^2/NDF: 37.7/25

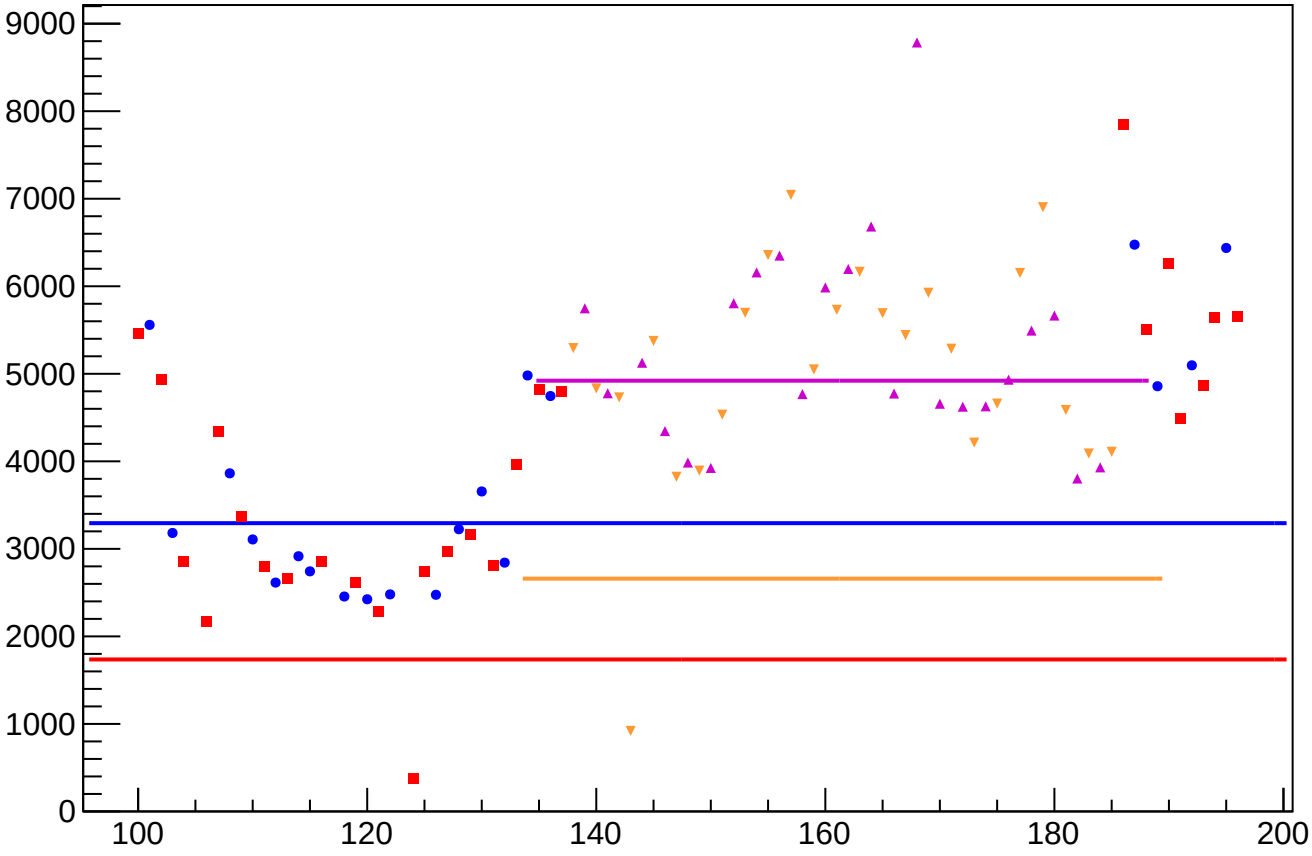
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -862.755+/-633.723 χ^2/NDF: 55.8/44

All: -600.039+/-437.345 χ^2/NDF: 107.0/93

- sign -361.133+/-604.323 χ^2/NDF: 50.9/48

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3293.507+/-0.785 χ^2/NDF: 1851495.6/19

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1736.647+/-0.499 χ^2/NDF: 11298741.8/25

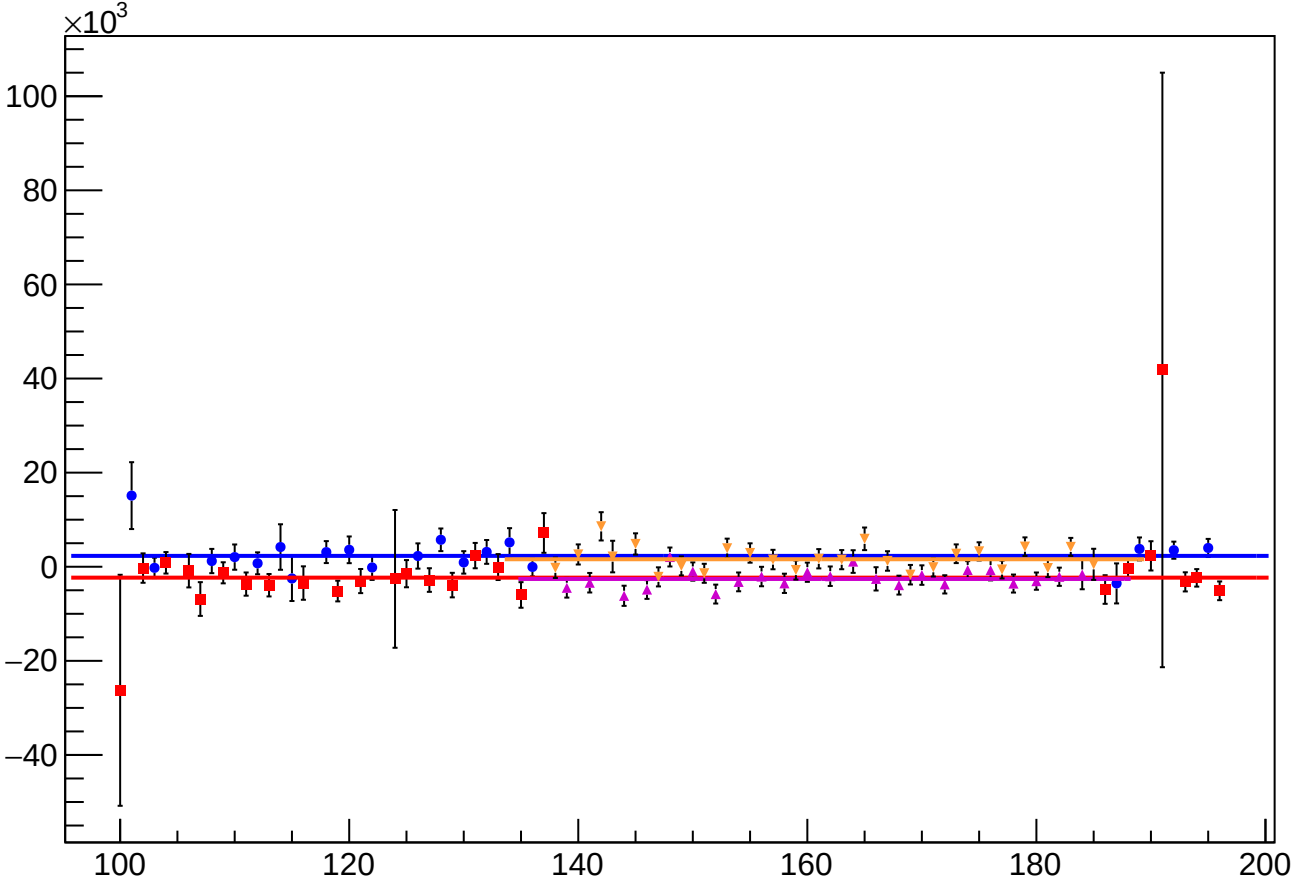
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2866.332+/-0.448 χ^2/NDF: 16827445.5/44

All: 2717.062+/-0.309 χ^2/NDF: 40413379.8/9

- sign 2581.321+/-0.427 χ^2/NDF: 23374067.3/48

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2308.280+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.225+/-528.293 χ^2/NDF: 25.5/25

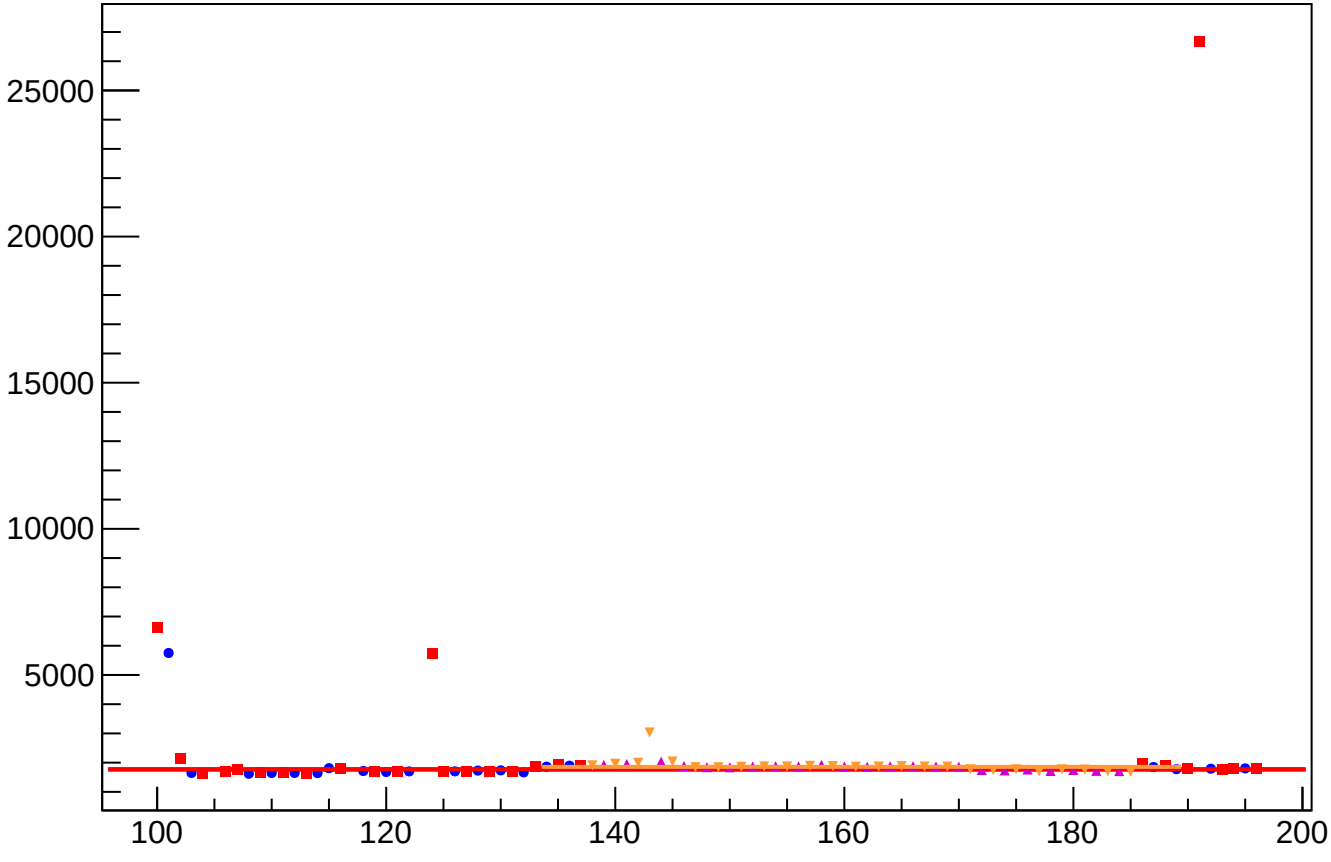
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.801+/-340.605 χ^2/NDF: 48.1/44

All: -365.347+/-238.340 χ^2/NDF: 176.4/93

- sign -2485.907+/-333.630 χ^2/NDF: 45.8/48

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1763.286+/-0.406 χ^2/NDF: 673468.2/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

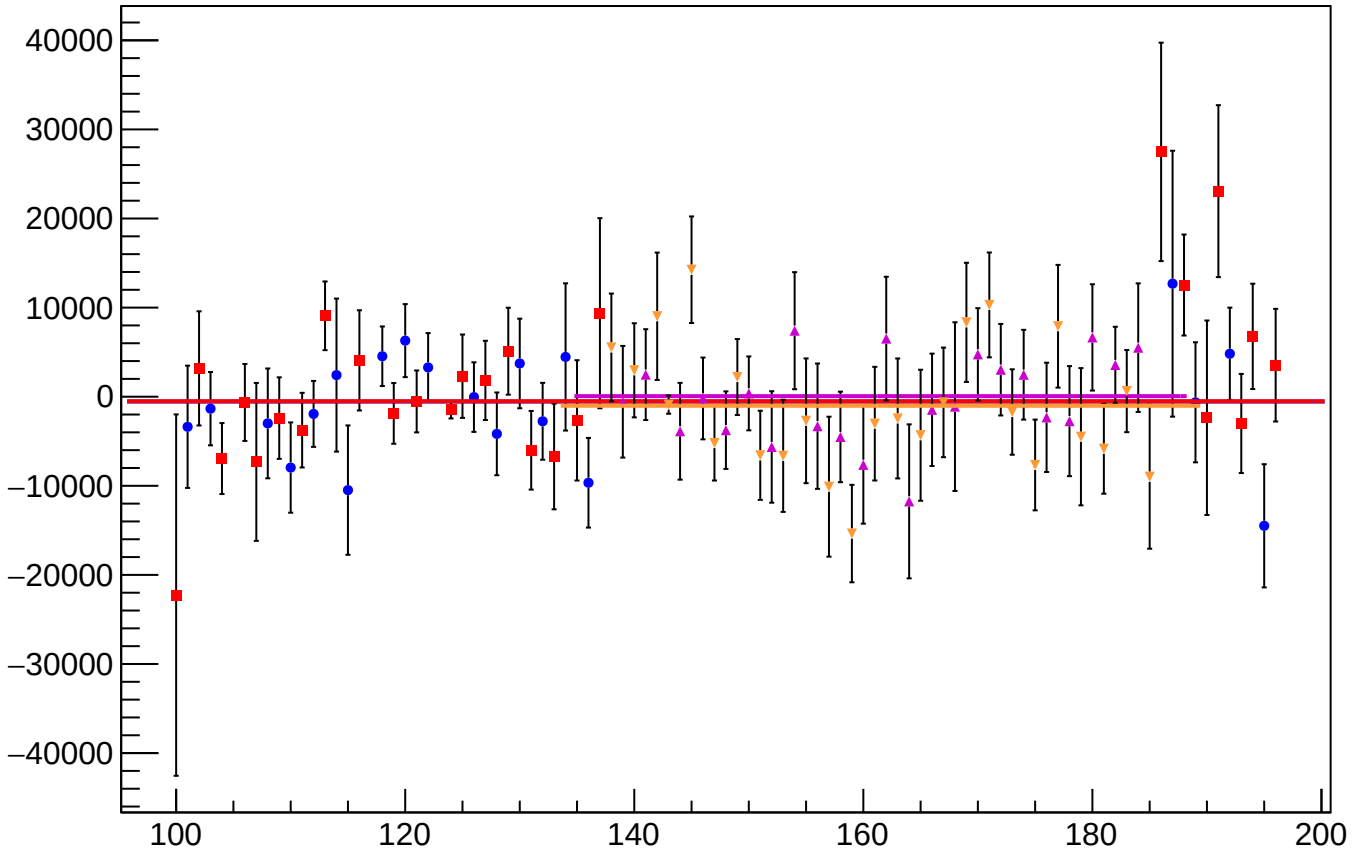
Right Out: 1777.054+/-0.373 χ^2/NDF: 630102.7/25

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.7/44

All: 1819.137+/-0.168 χ^2/NDF: 1750497.4/93

- sign 1815.411+/-0.236 χ^2/NDF: 718745.6/48



Right In: -540.019+/-1110.264 χ^2/NDF: 21.9/19

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -513.975+/-705.008 χ^2/NDF: 37.7/25

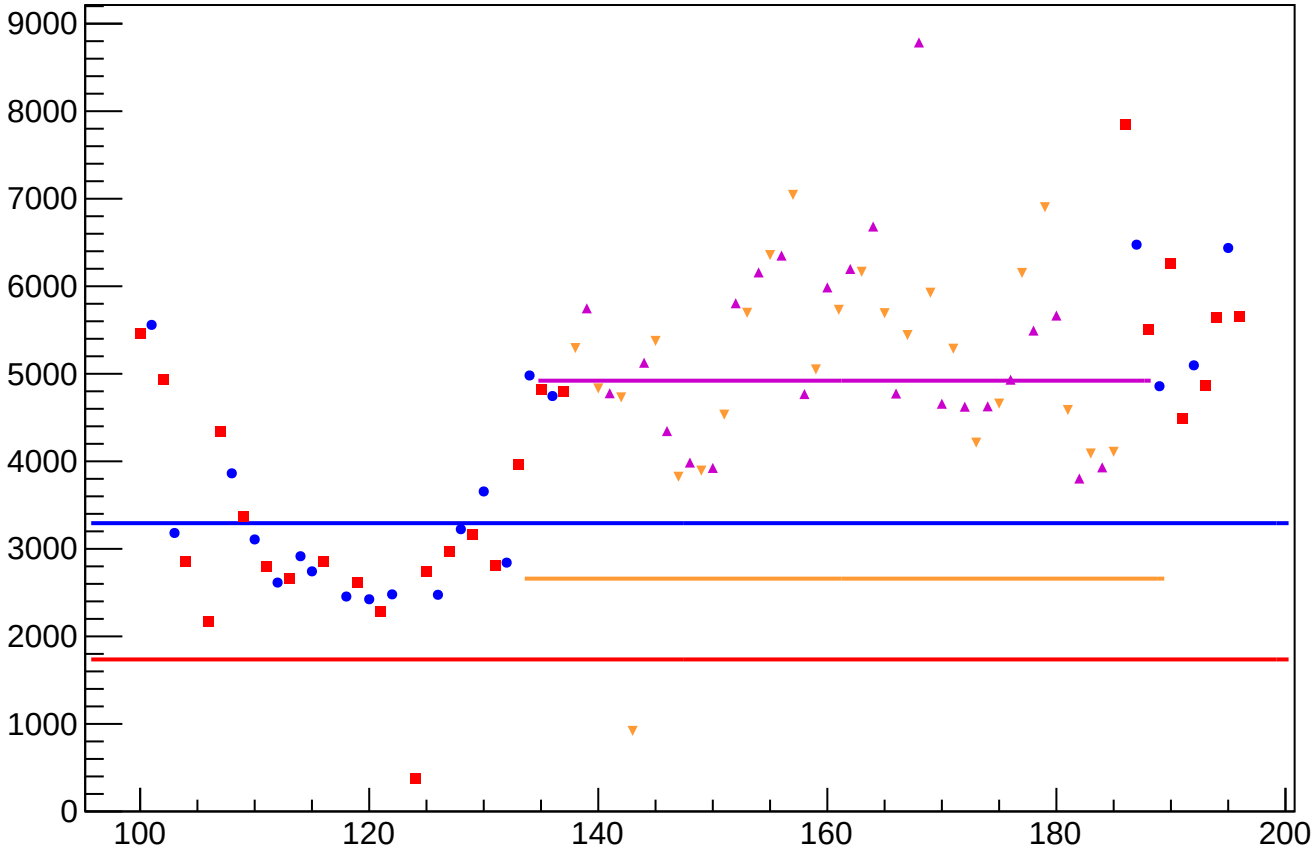
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -862.755+/-633.723 χ^2/NDF: 55.8/44

All: -600.039+/-437.345 χ^2/NDF: 107.0/93

- sign -361.133+/-604.323 χ^2/NDF: 50.9/48

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3293.507+/-0.785 χ^2/NDF: 1851495.6/19

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

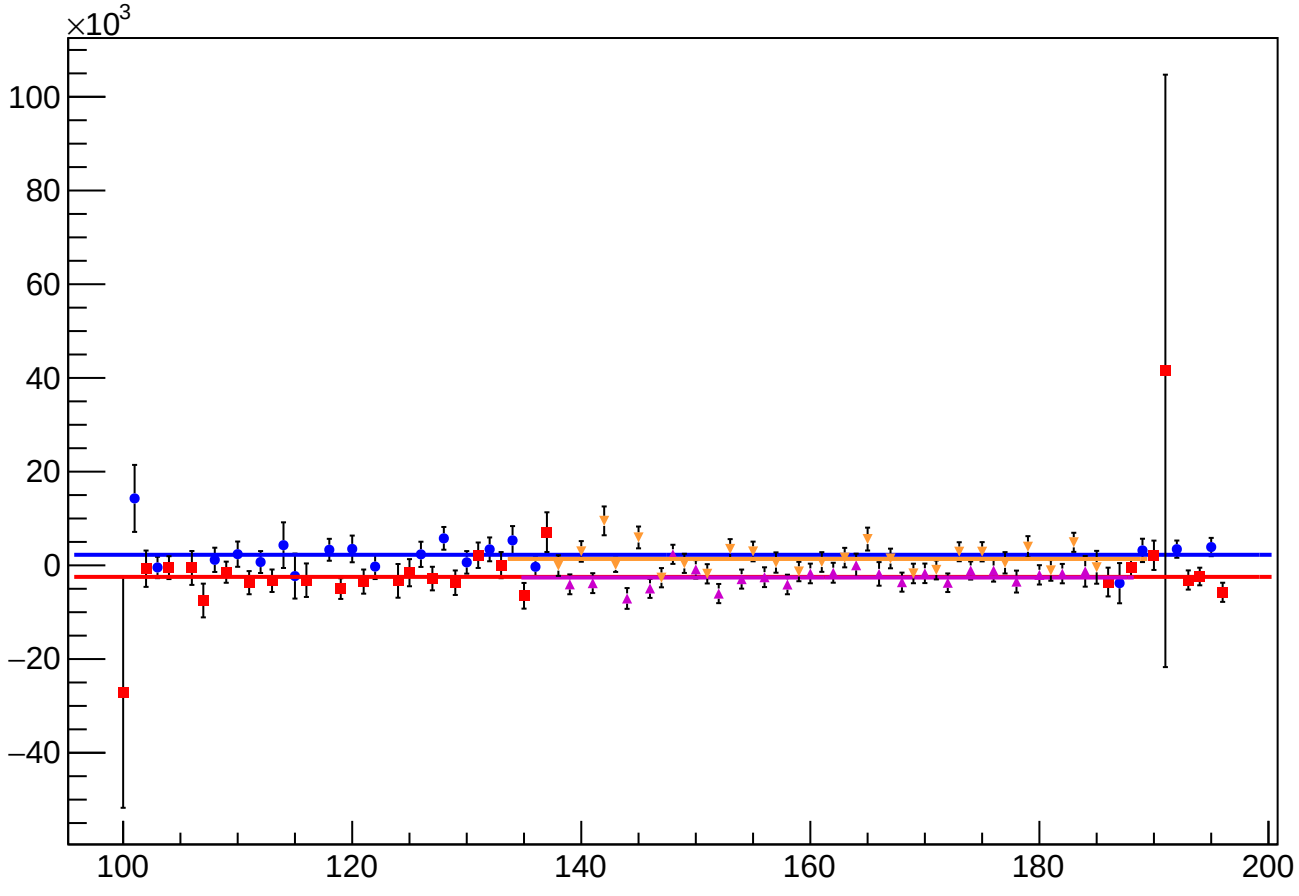
Right Out: 1736.647+/-0.499 χ^2/NDF: 11298741.8/25

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2866.332+/-0.448 χ^2/NDF: 16827445.5/44

All: 2717.062+/-0.309 χ^2/NDF: 40413379.8/9

- sign 2581.321+/-0.427 χ^2/NDF: 23374067.3/48



Right In: 2254.005+/-579.827 χ^2/NDF: 15.9/19

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2462.505+/-531.125 χ^2/NDF: 24.0/25

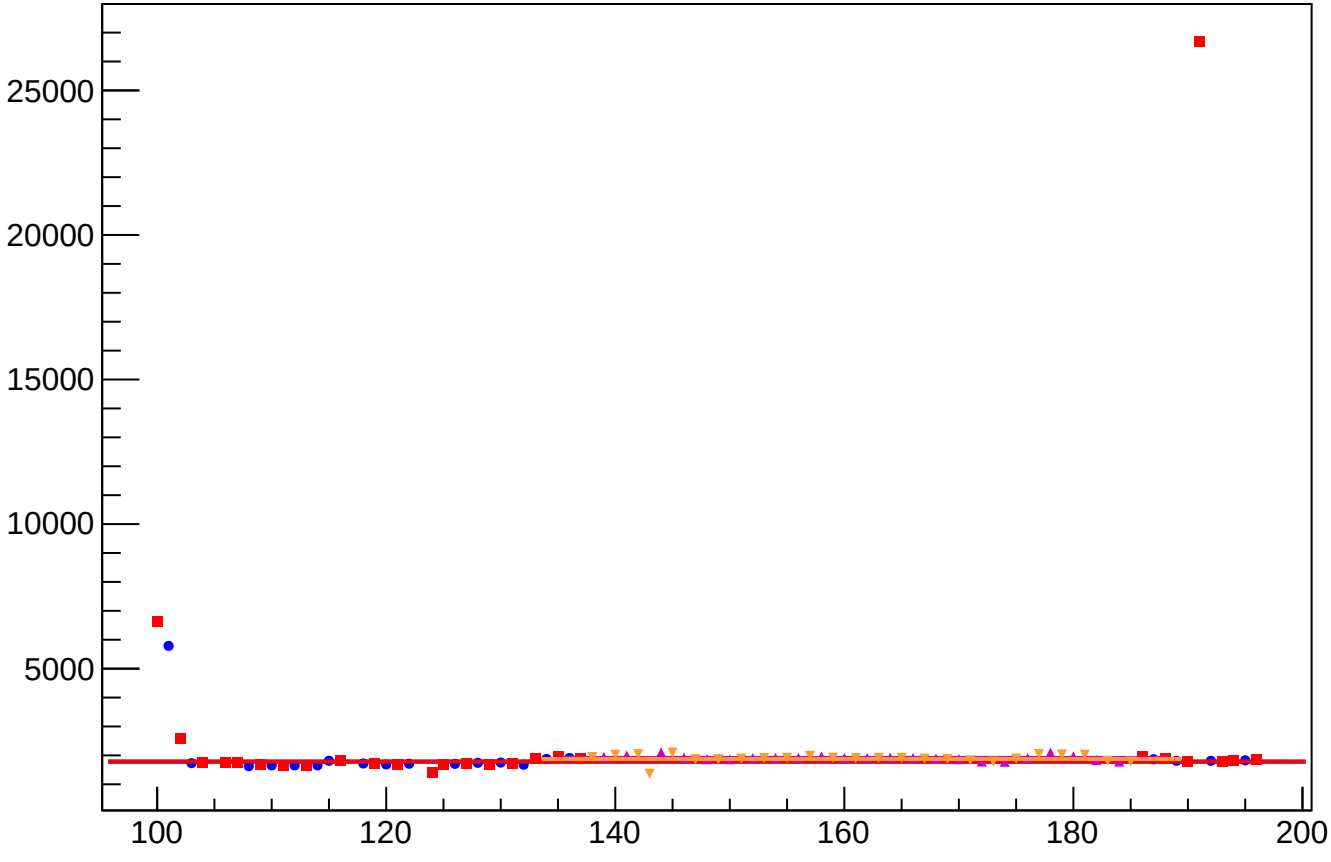
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1677.193+/-344.001 χ^2/NDF: 53.5/44

All: -446.783+/-242.493 χ^2/NDF: 173.4/93

- sign -2544.690+/-341.883 χ^2/NDF: 44.1/48

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1782.292+/-0.410 χ^2/NDF: 670905.0/19

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

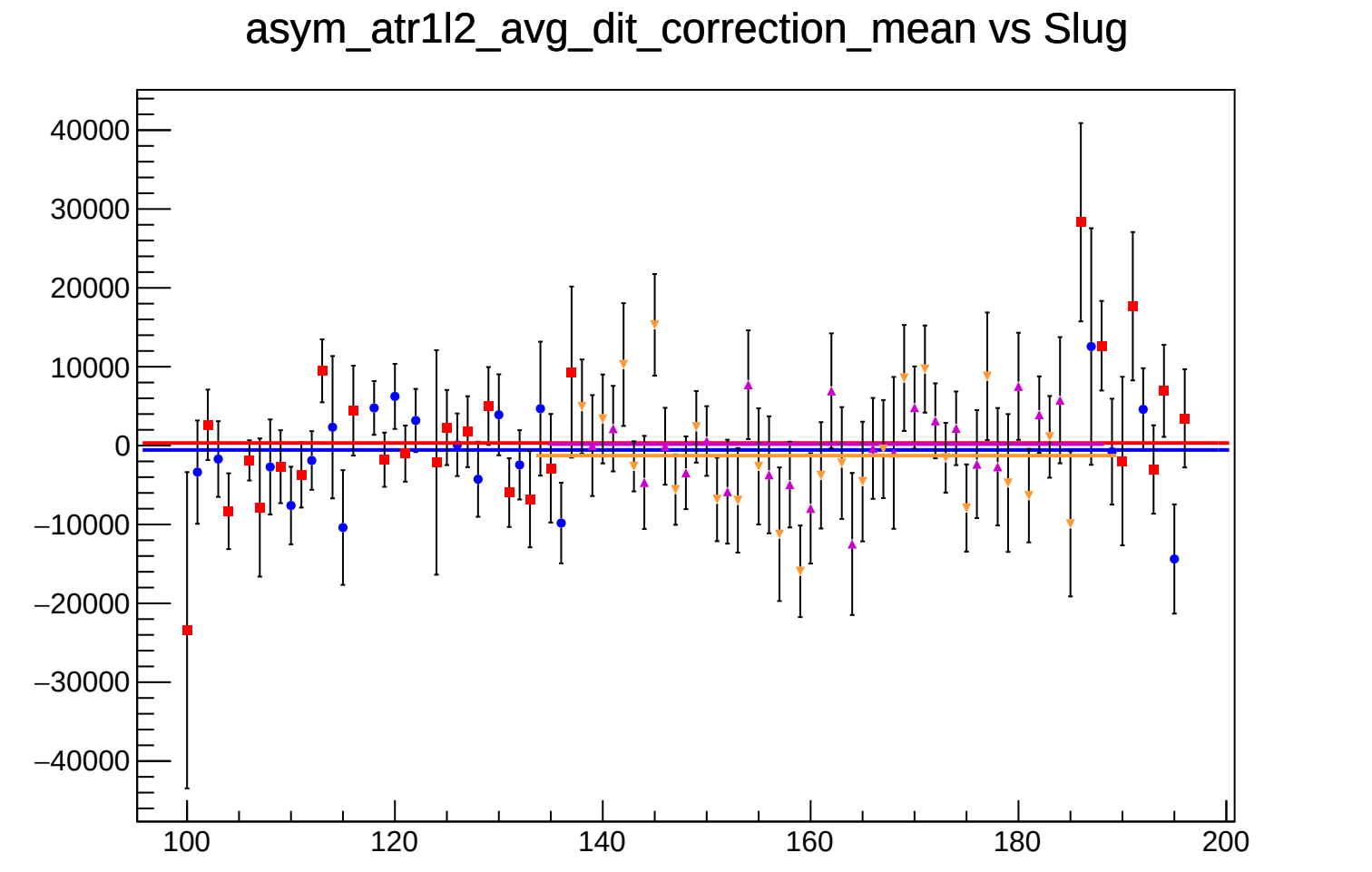
Right Out: 1787.638+/-0.375 χ^2/NDF: 554082.7/25

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1841.187+/-0.243 χ^2/NDF: 1012481.2/44

All: 1850.673+/-0.171 χ^2/NDF: 1692477.2/93

- sign 1860.030+/-0.242 χ^2/NDF: 676975.2/48



Right In: -553.269+/-1131.965 χ^2/NDF: 21.5/19

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 329.772+/-990.772 χ^2/NDF: 34.8/25

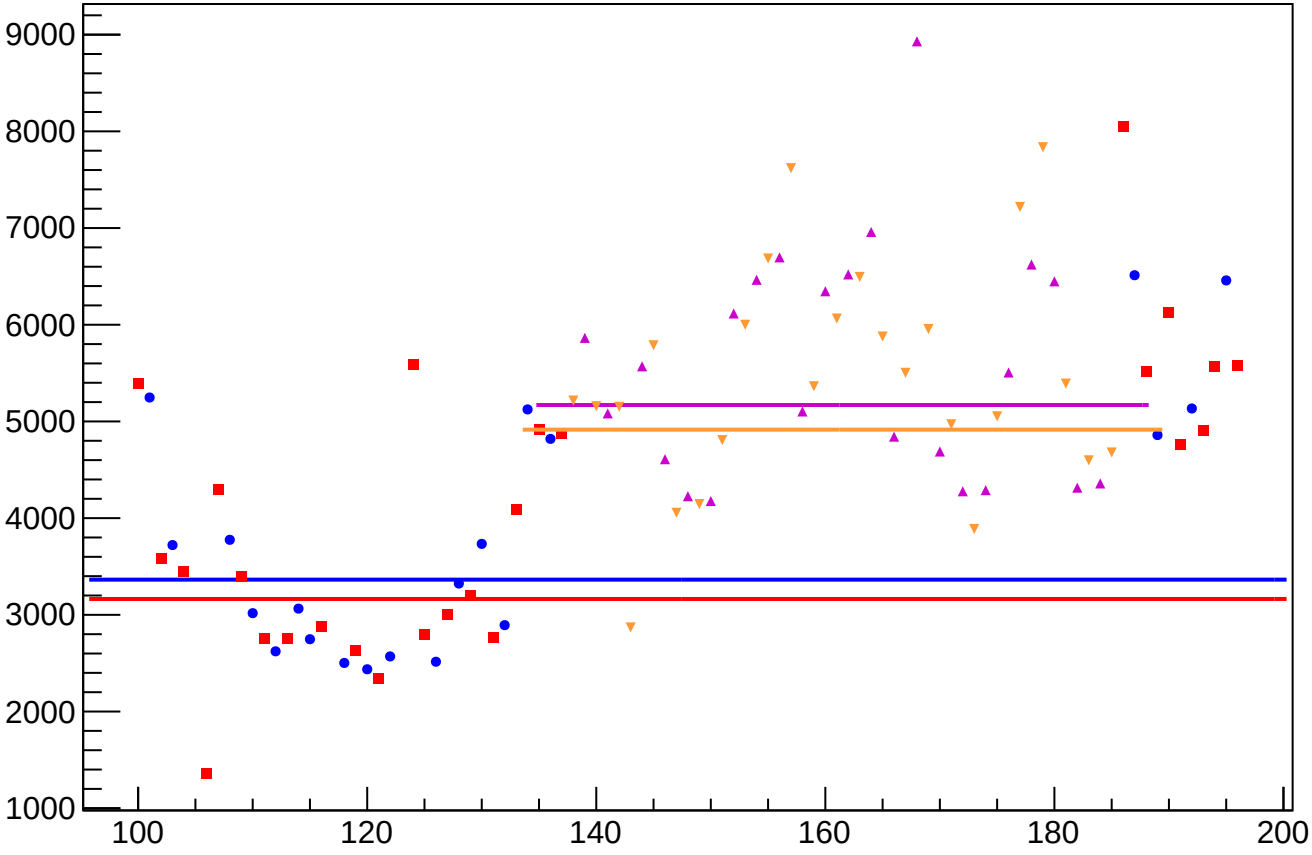
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -903.948+/-808.829 χ^2/NDF: 55.1/44

All: -286.133+/-558.719 χ^2/NDF: 103.7/93

- sign 277.725+/-772.703 χ^2/NDF: 47.5/48

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3364.023+/-0.800 χ^2/NDF: 1789873.4/19

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3164.179+/-0.701 χ^2/NDF: 3297214.0/25

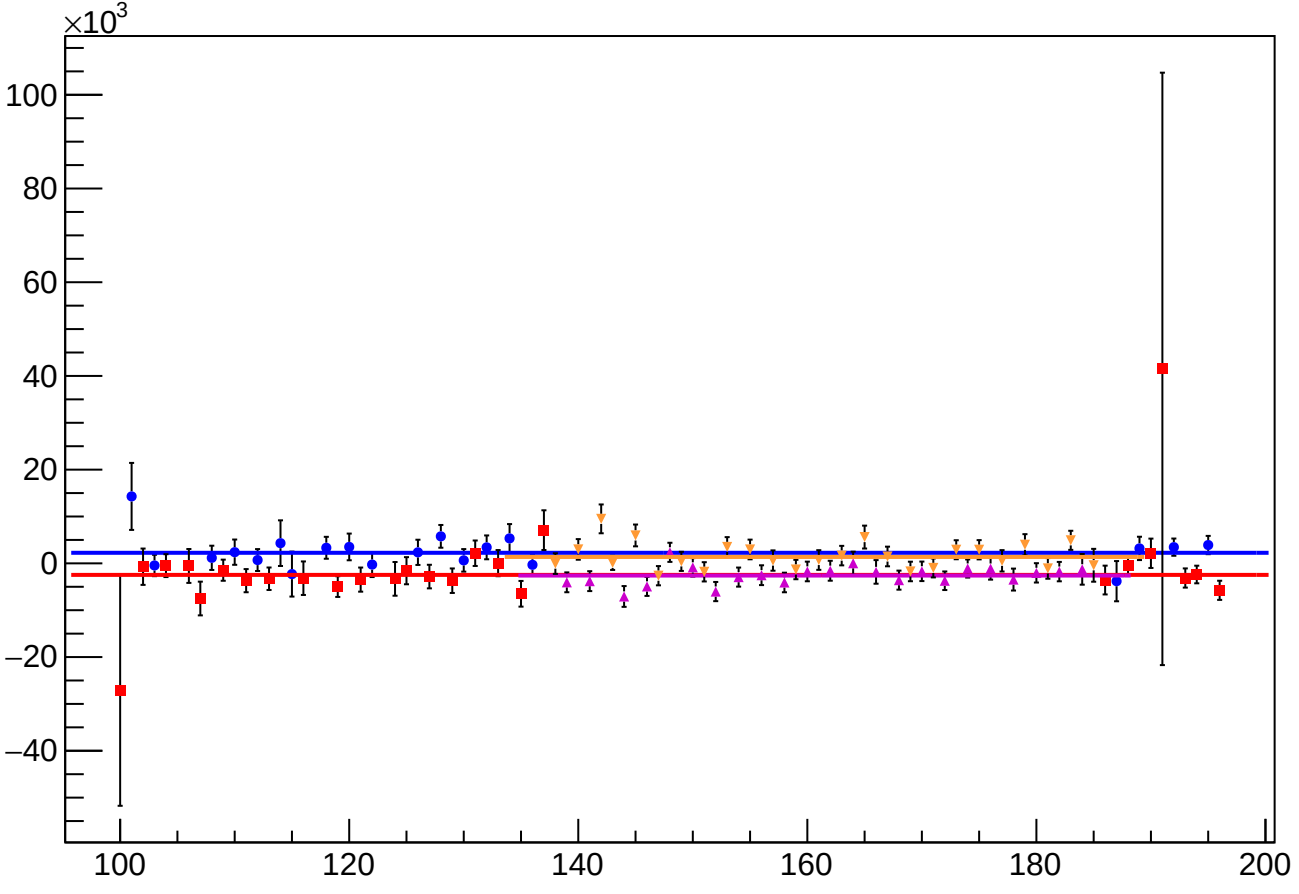
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4123.252+/-0.572 χ^2/NDF: 5794375.6/44

All: 4032.662+/-0.395 χ^2/NDF: 13699688.5/9

- sign 3949.984+/-0.546 χ^2/NDF: 7857326.8/48

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2254.003+/-579.827 χ^2/NDF: 15.9/19

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2462.505+/-531.125 χ^2/NDF: 24.0/25

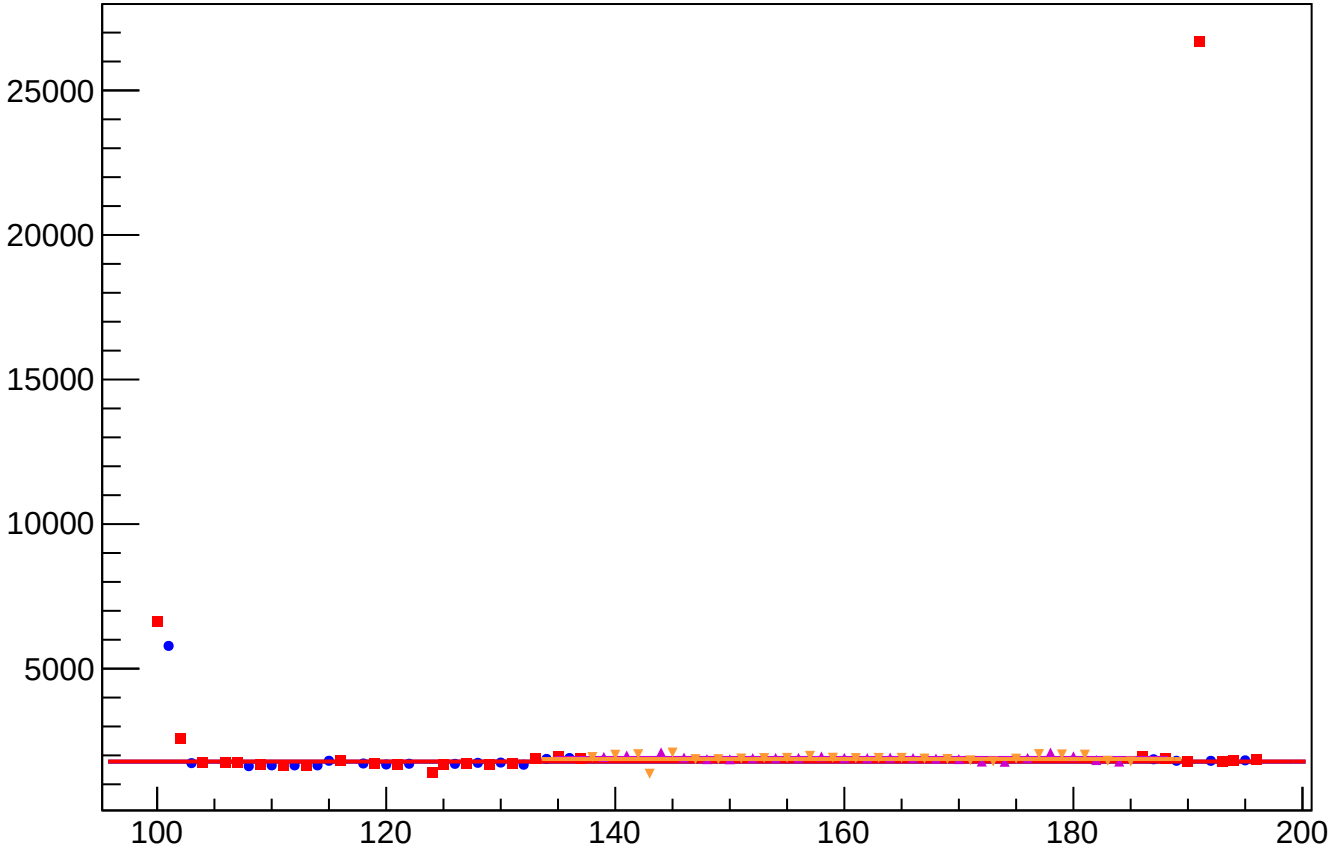
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1677.190+/-344.001 χ^2/NDF: 53.5/44

All: -446.784+/-242.493 χ^2/NDF: 173.4/93

- sign -2544.689+/-341.883 χ^2/NDF: 44.1/48

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1782.292+/-0.410 χ^2/NDF: 670905.0/19

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

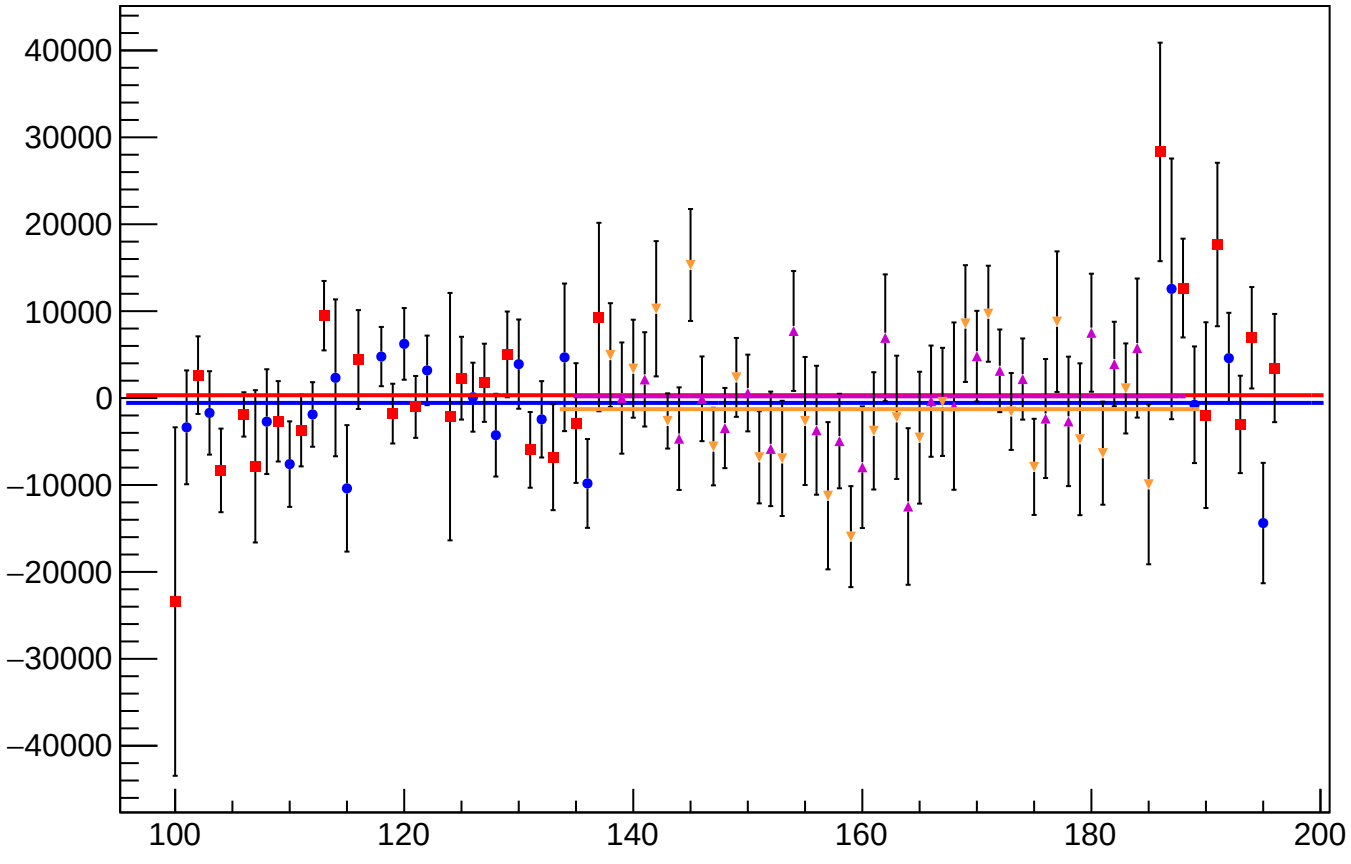
Right Out: 1787.638+/-0.375 χ^2/NDF: 554082.7/25

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1841.188+/-0.243 χ^2/NDF: 1012485.4/44

All: 1850.674+/-0.171 χ^2/NDF: 1692484.7/93

- sign 1860.030+/-0.242 χ^2/NDF: 676978.5/48



Right In: -553.263+/-1131.962 χ^2/NDF: 21.5/19

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 329.765+/-990.769 χ^2/NDF: 34.8/25

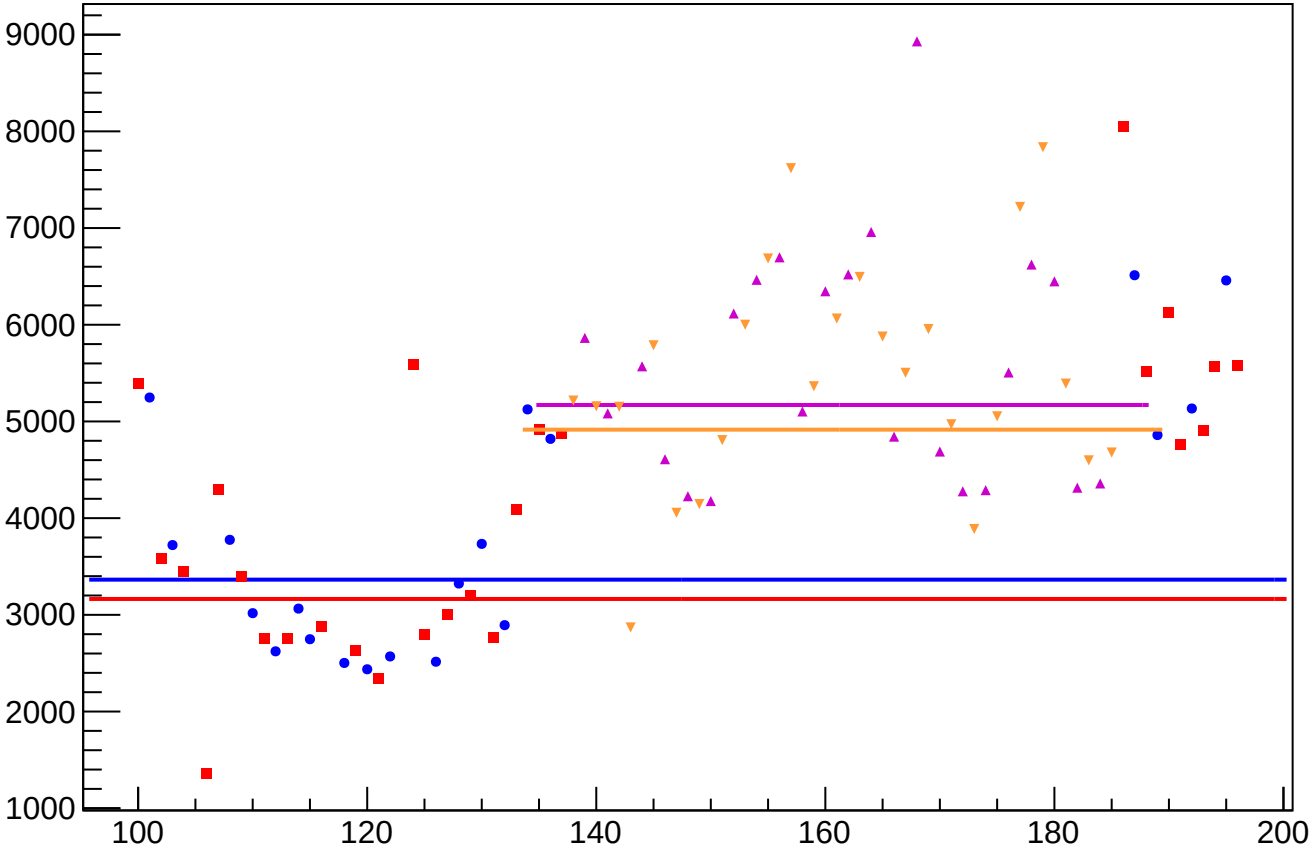
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -903.946+/-808.829 χ^2/NDF: 55.1/44

All: -286.134+/-558.718 χ^2/NDF: 103.7/93

- sign 277.721+/-772.702 χ^2/NDF: 47.5/48

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3364.012+/-0.800 χ^2/NDF: 1789897.0/19

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3164.166+/-0.701 χ^2/NDF: 3297257.1/25

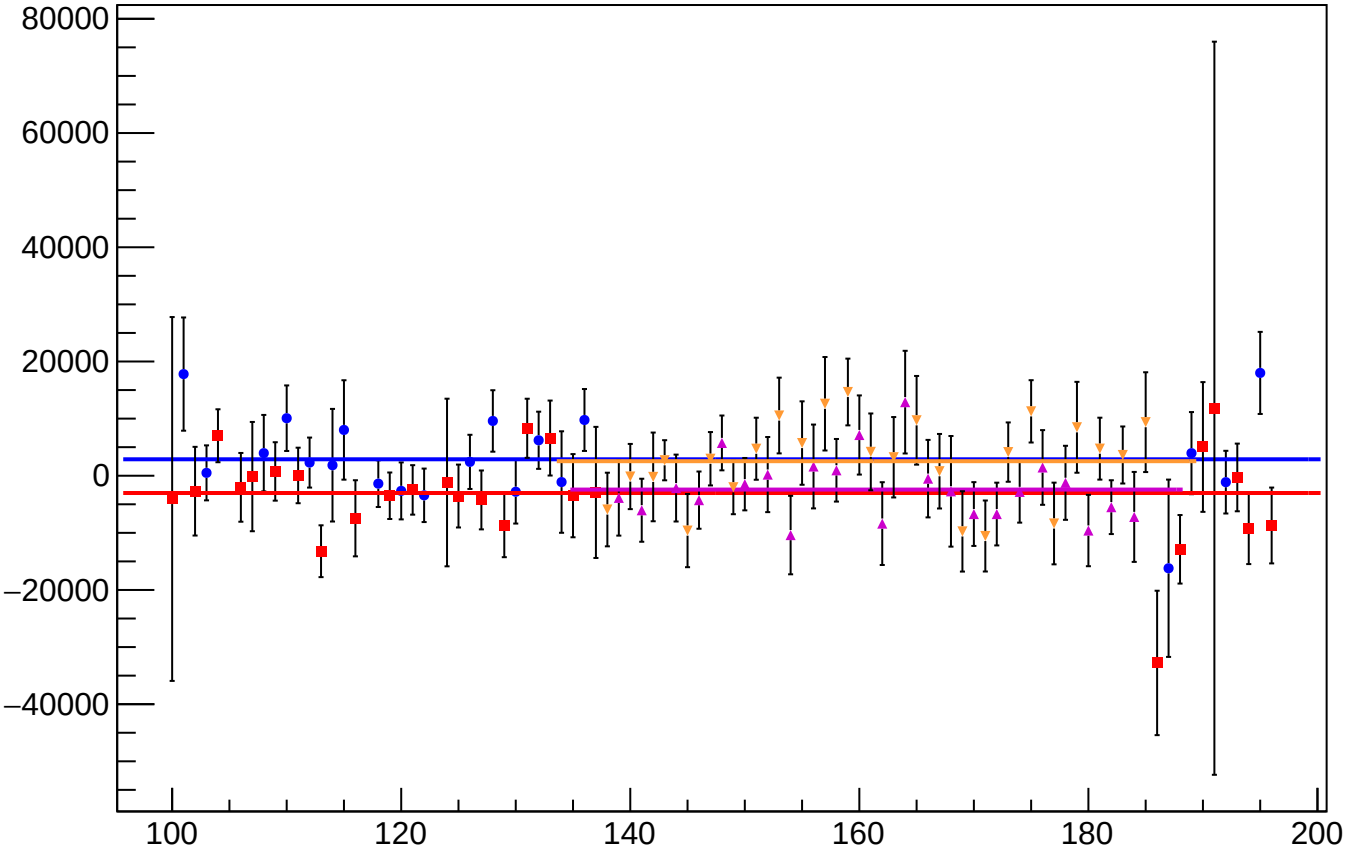
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4123.246+/-0.572 χ^2/NDF: 5794450.3/44

All: 4032.654+/-0.395 χ^2/NDF: 13699879.7/9

- sign 3949.974+/-0.546 χ^2/NDF: 7857441.1/48

asym_atr1l2_avg_mean vs Slug



Right In: 2878.753+/-1289.680 χ^2/NDF: 20.0/19

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3023.977+/-1210.973 χ^2/NDF: 30.1/25

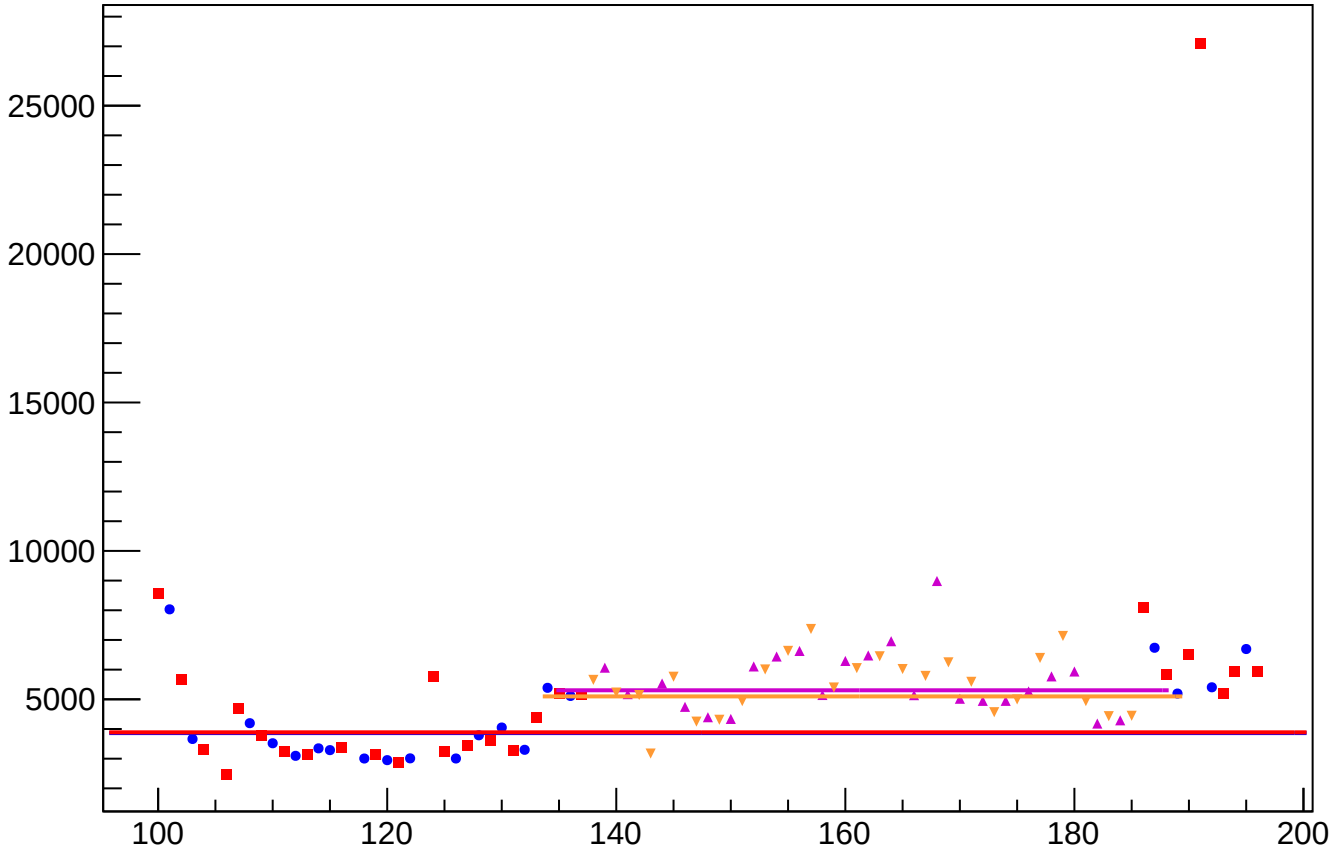
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

\+ sign 2699.278+/-873.649 χ^2/NDF: 49.1/44

All: -20.080+/-617.530 χ^2/NDF: 113.7/93

\- sign -2735.333+/-872.990 χ^2/NDF: 45.2/48

asym_atr1l2_avg_rms vs Slug



Right In: 3862.154+/-0.912 χ^2/NDF: 1529816.0/19

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

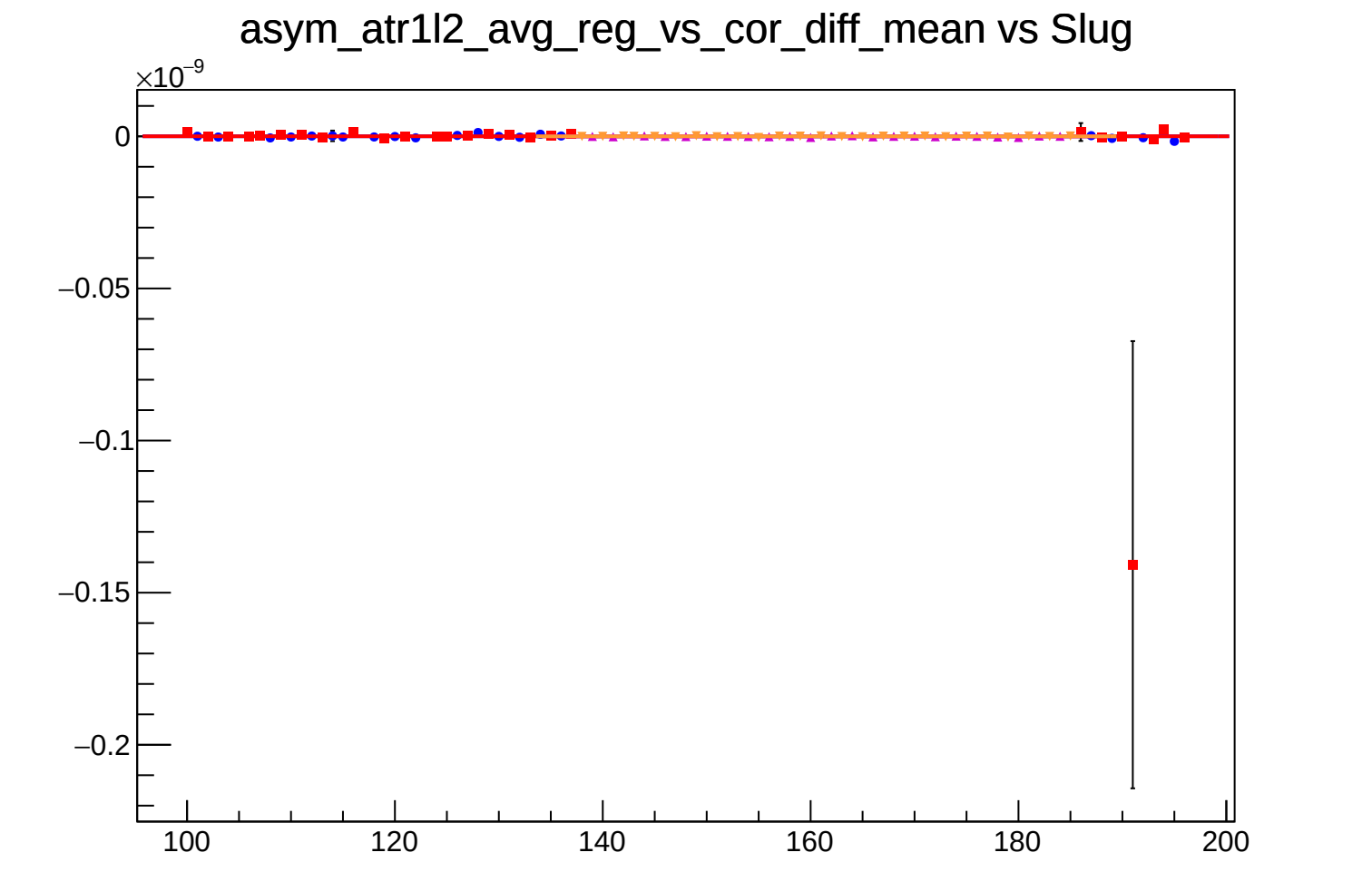
Right Out: 3887.936+/-0.846 χ^2/NDF: 2181261.5/25

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4530.877+/-0.618 χ^2/NDF: 4067949.2/44

All: 4545.148+/-0.435 χ^2/NDF: 8598076.1/93

- sign 4559.210+/-0.613 χ^2/NDF: 4529067.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

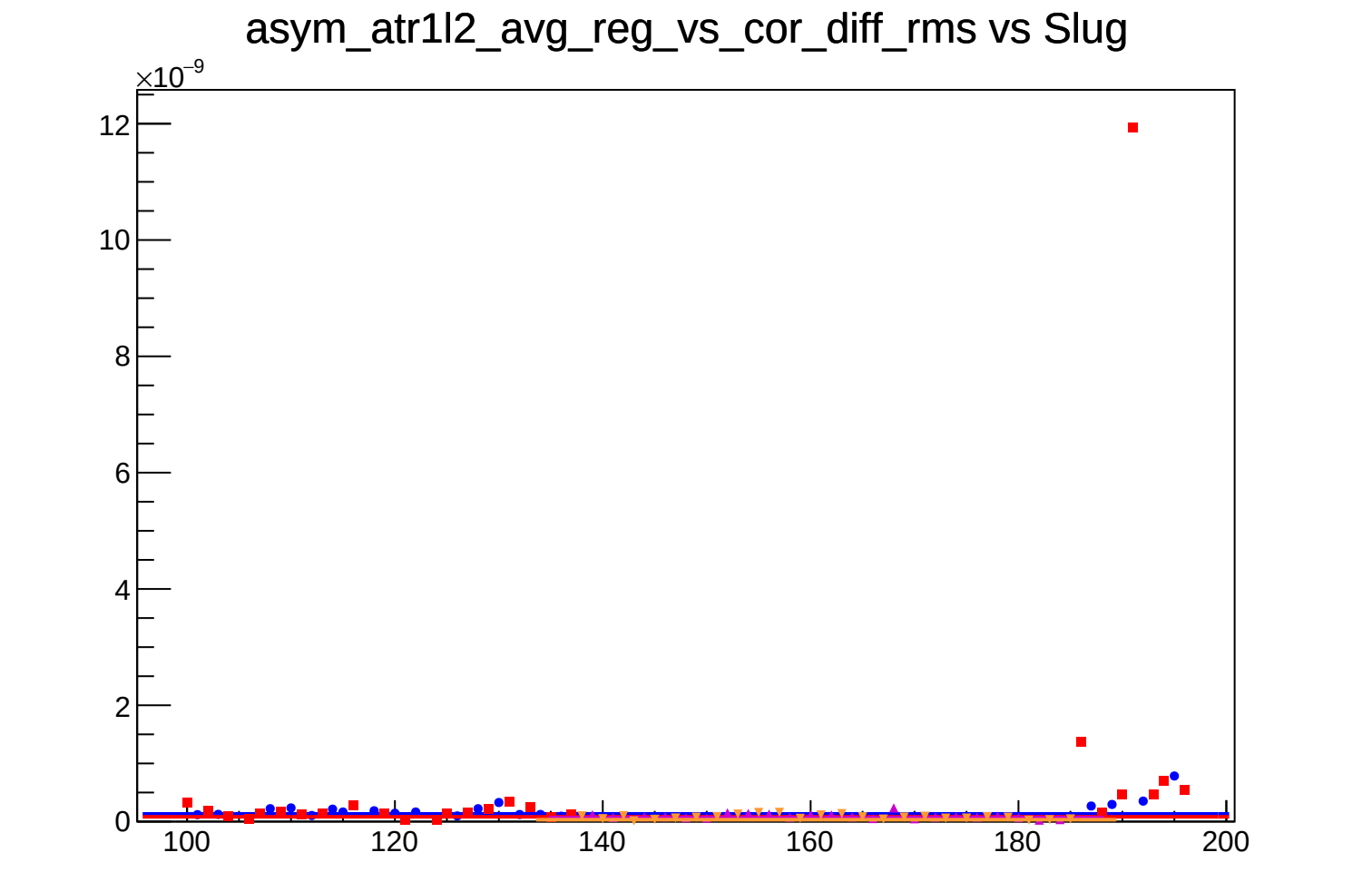
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/25

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/44

All: 0.000+/-0.000 χ^2/NDF: 95.1/93

- sign 0.000+/-0.000 χ^2/NDF: 58.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1697644.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4896973.0/25

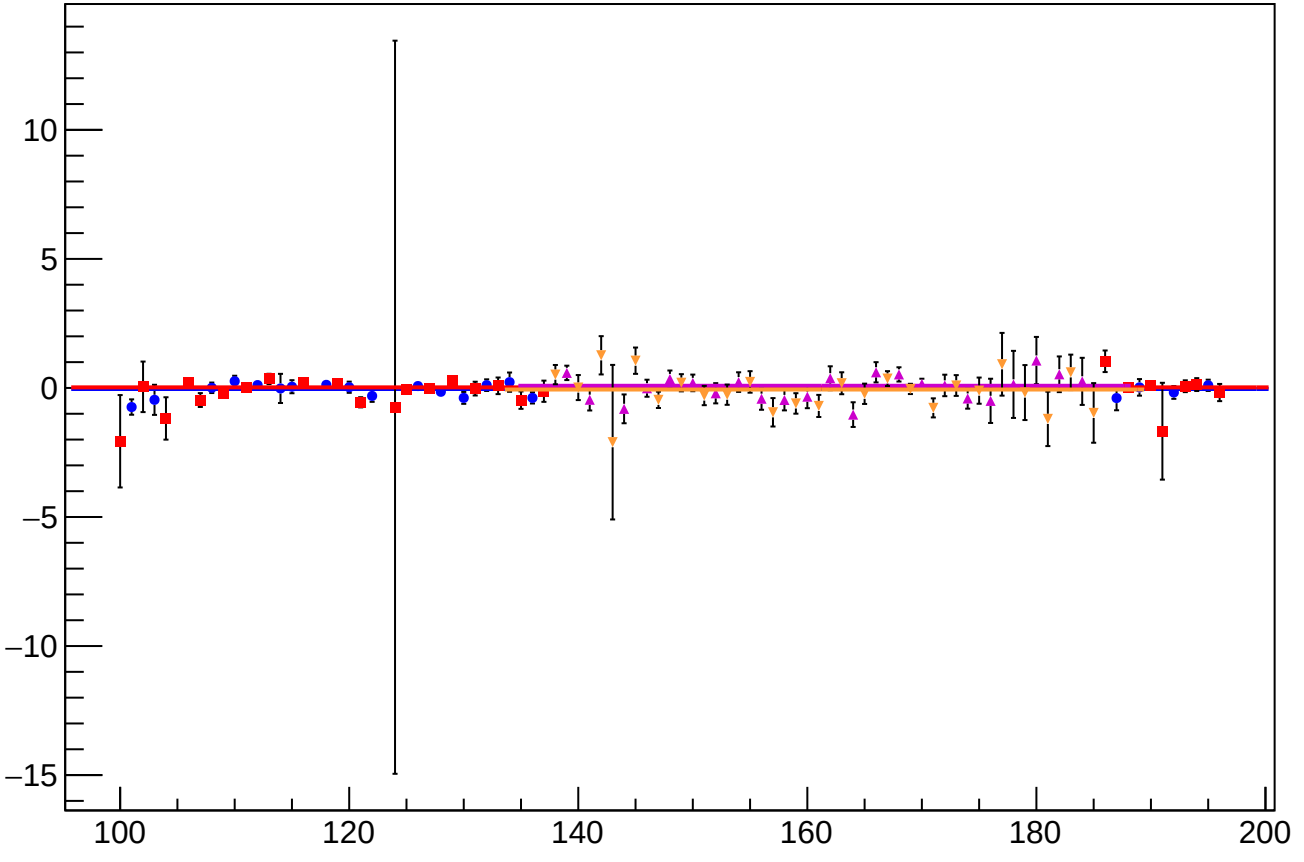
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11515545.7/44

All: 0.000+/-0.000 χ^2/NDF: 21363209.0/93

- sign 0.000+/-0.000 χ^2/NDF: 7467112.1/48

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

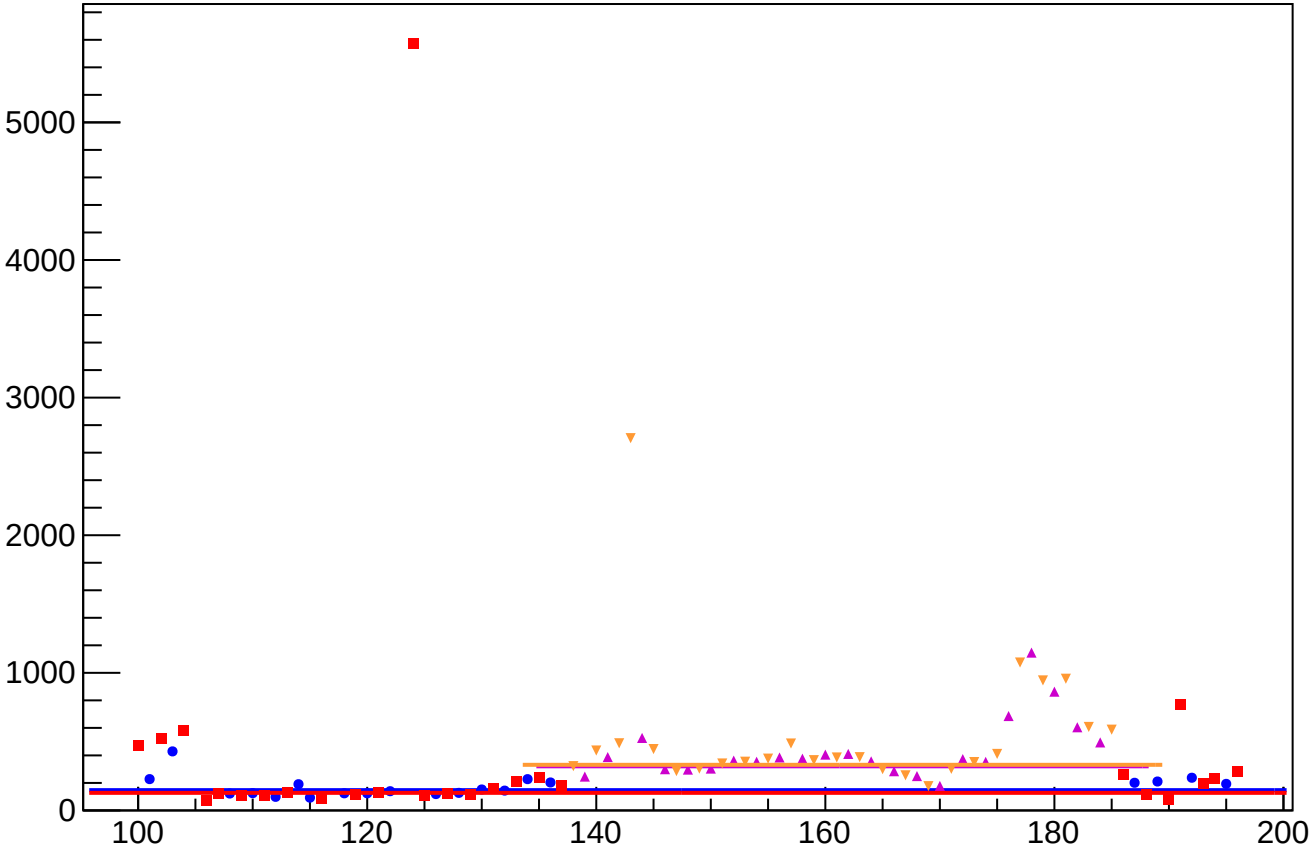
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.001+/-0.029 χ^2/NDF: 115.8/93

- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 147.612+/-0.037 χ^2/NDF: 1789680.9/19

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 127.996+/-0.031 χ^2/NDF: 3788924.1/25

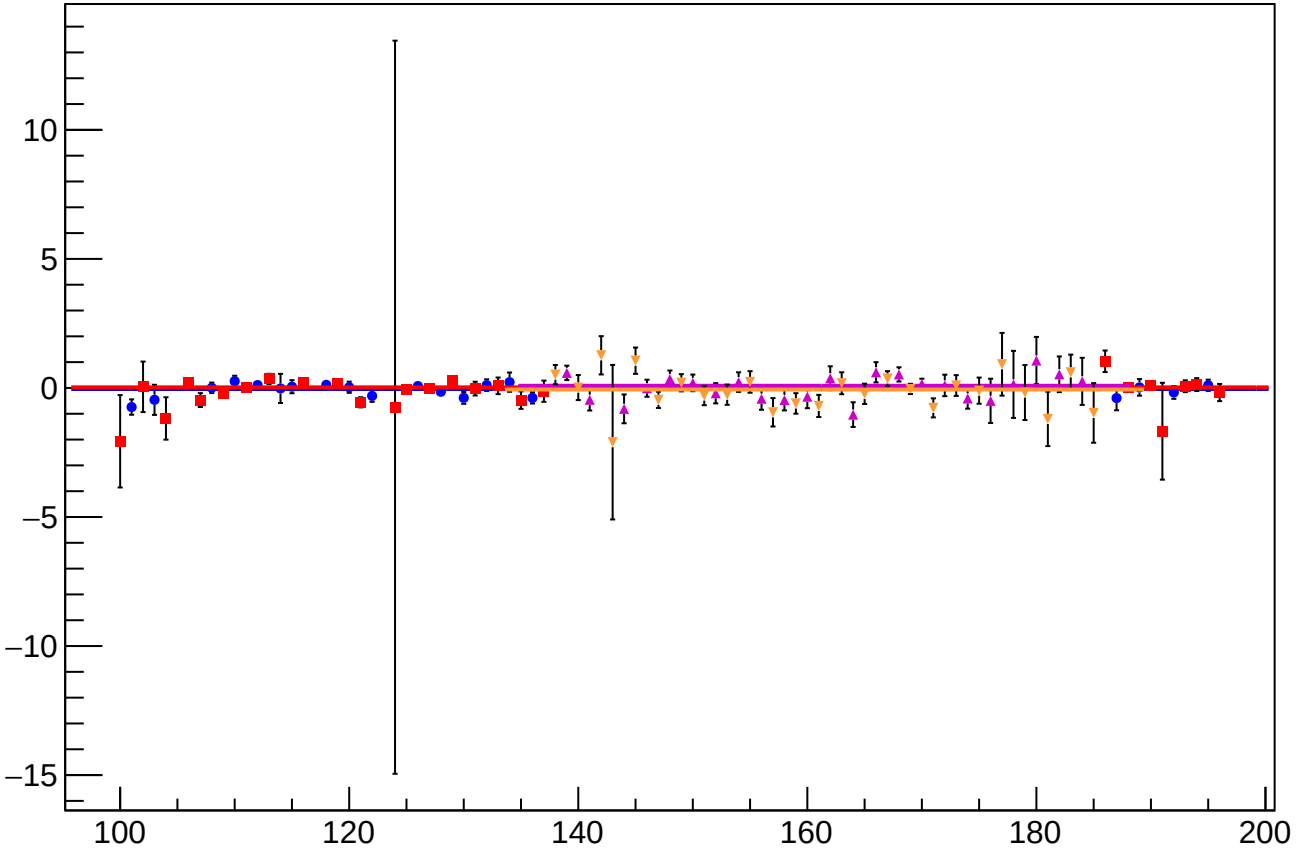
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.607+/-0.031 χ^2/NDF: 14619194.7/44

All: 182.760+/-0.020 χ^2/NDF: 31887729.0/93

- sign 170.816+/-0.027 χ^2/NDF: 16814698.3/48

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

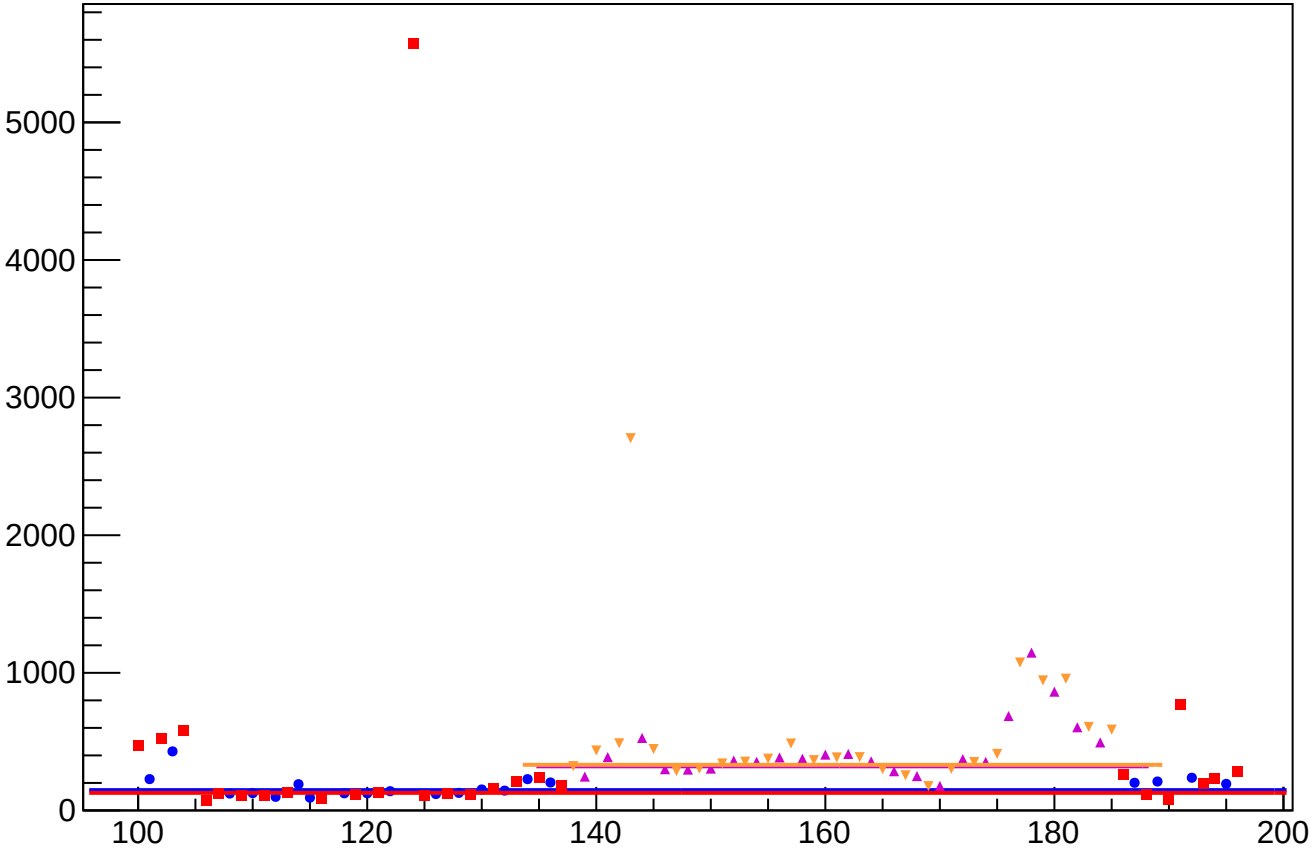
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.001+/-0.029 χ^2/NDF: 115.8/93

- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.612+/-0.037 χ^2/NDF: 1789680.9/19

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

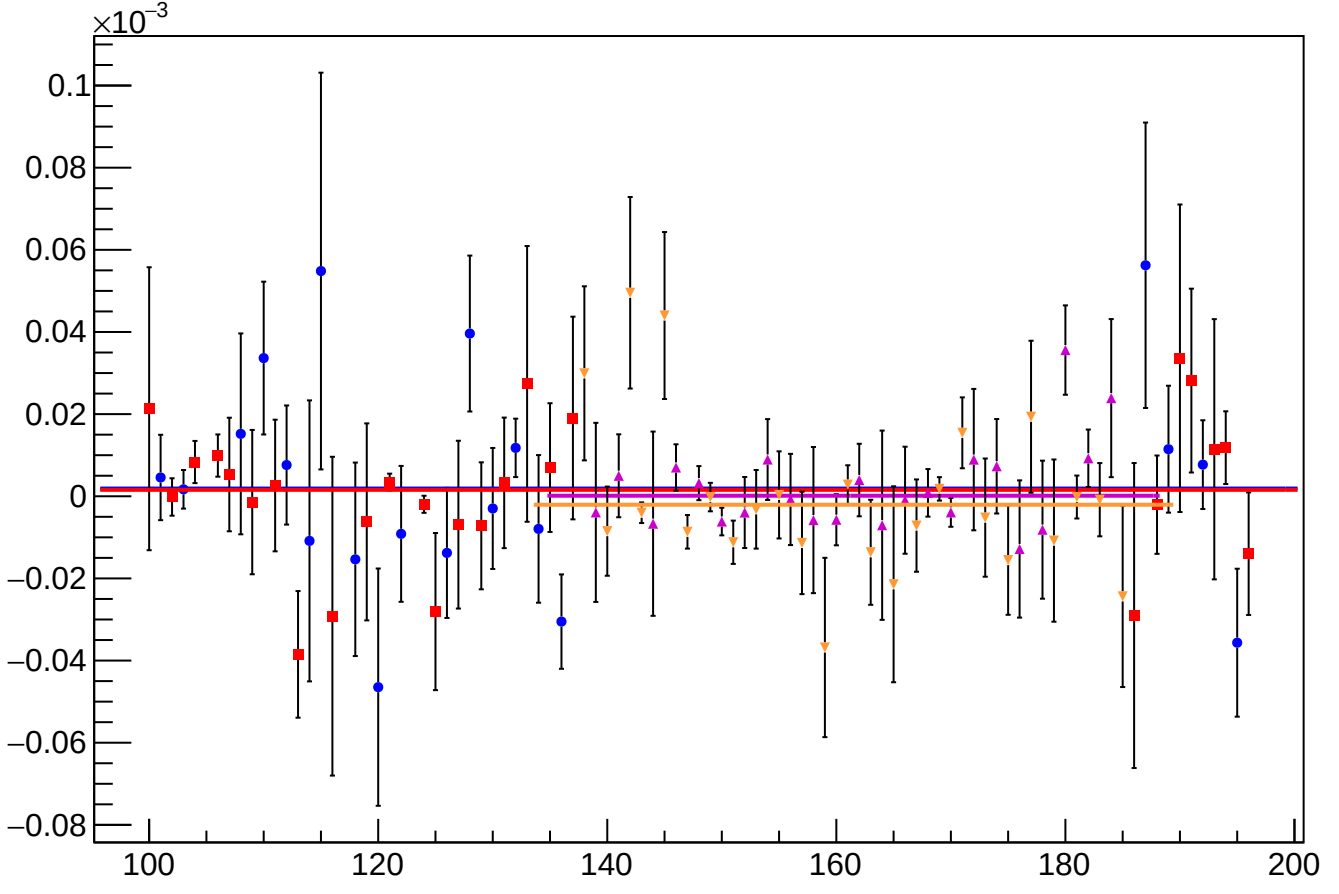
Right Out: 127.996+/-0.031 χ^2/NDF: 3788924.1/25

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.607+/-0.031 χ^2/NDF: 14619194.7/44

All: 182.760+/-0.020 χ^2/NDF: 31887729.0/93

- sign 170.816+/-0.027 χ^2/NDF: 16814698.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

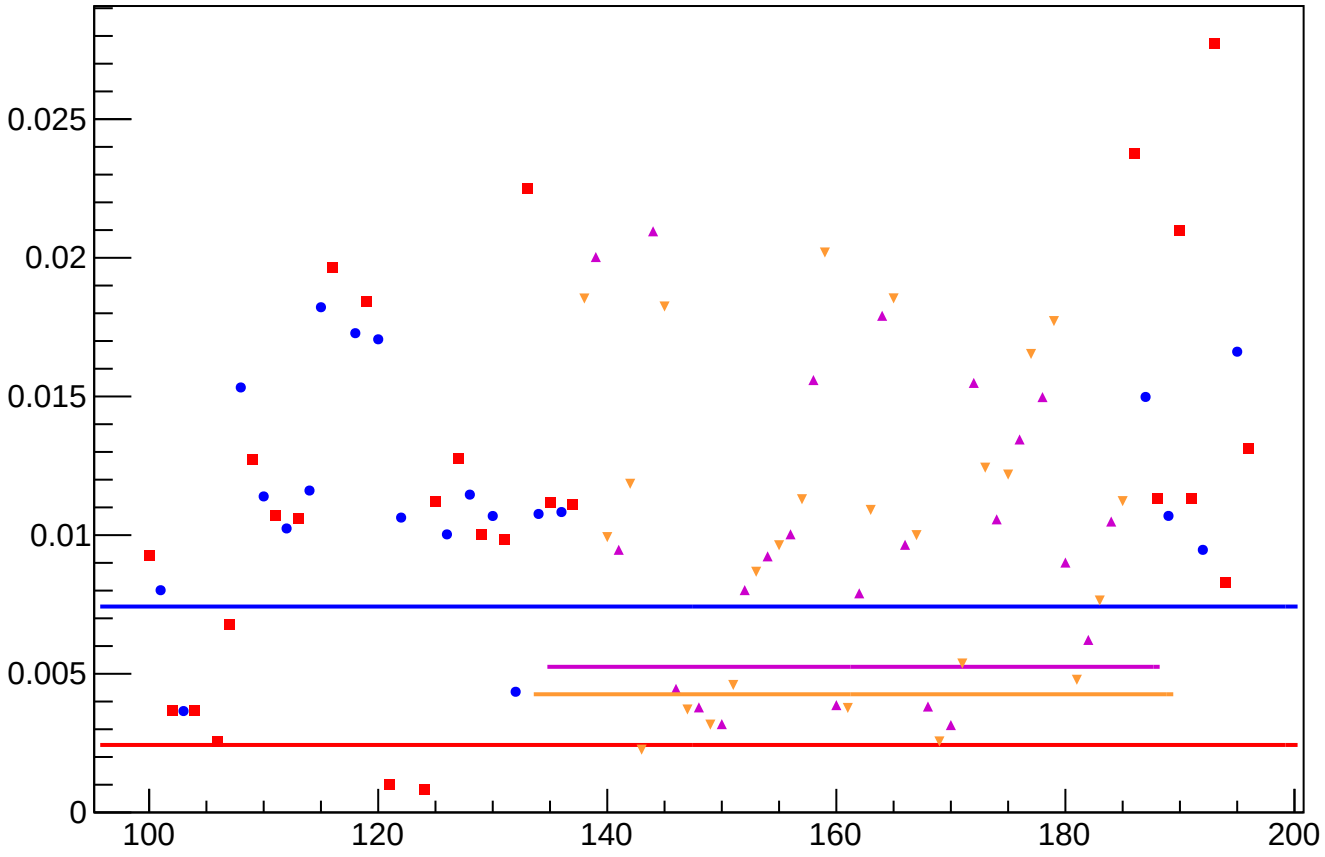
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/25

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.7/44

All: 0.000+/-0.000 χ^2/NDF: 121.5/93

- sign 0.000+/-0.000 χ^2/NDF: 51.1/48



Right In: 0.007+/-0.000 χ^2/NDF: 4082730.9/19

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 14964743.4/25

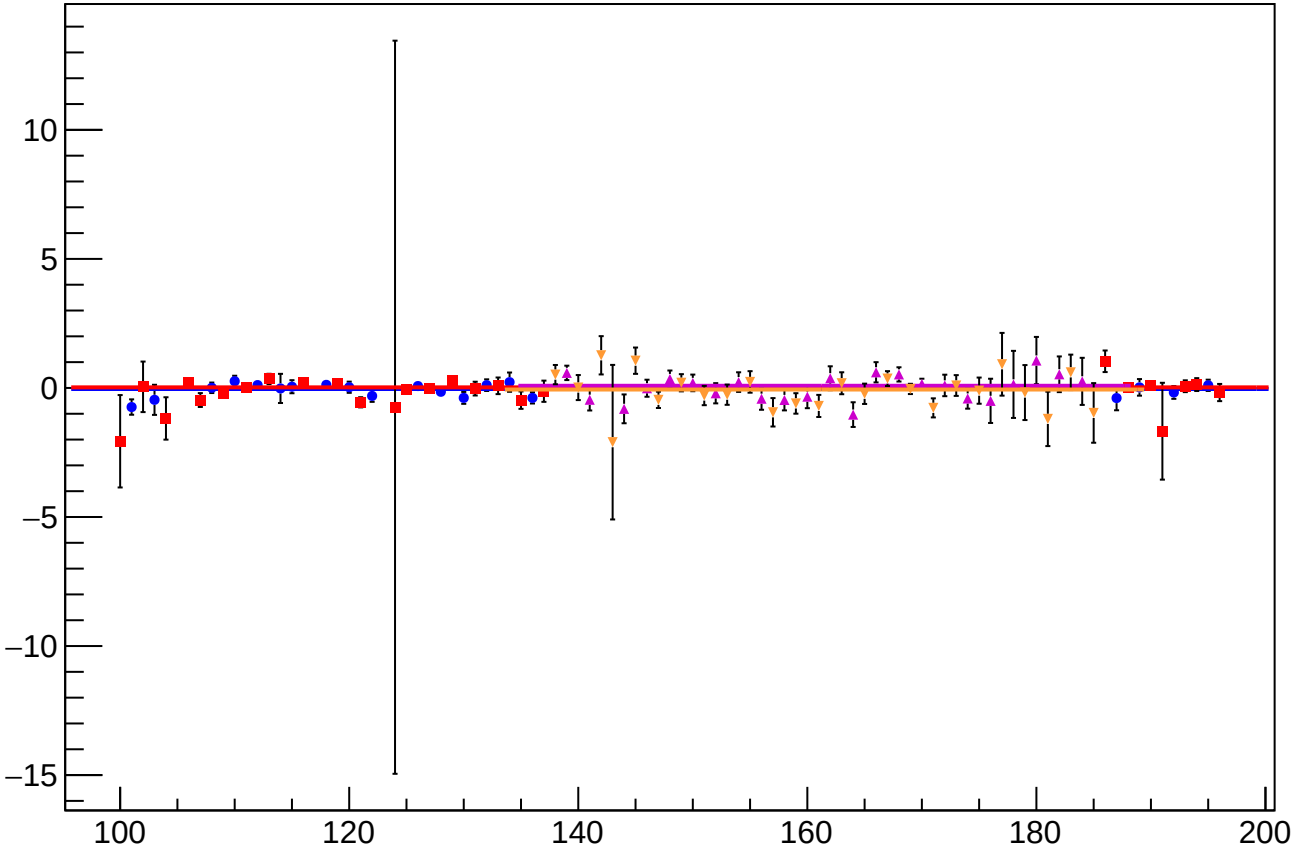
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 19219836.2/44

All: 0.004+/-0.000 χ^2/NDF: 49283205.6/93

- sign 0.004+/-0.000 χ^2/NDF: 28657539.6/48

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

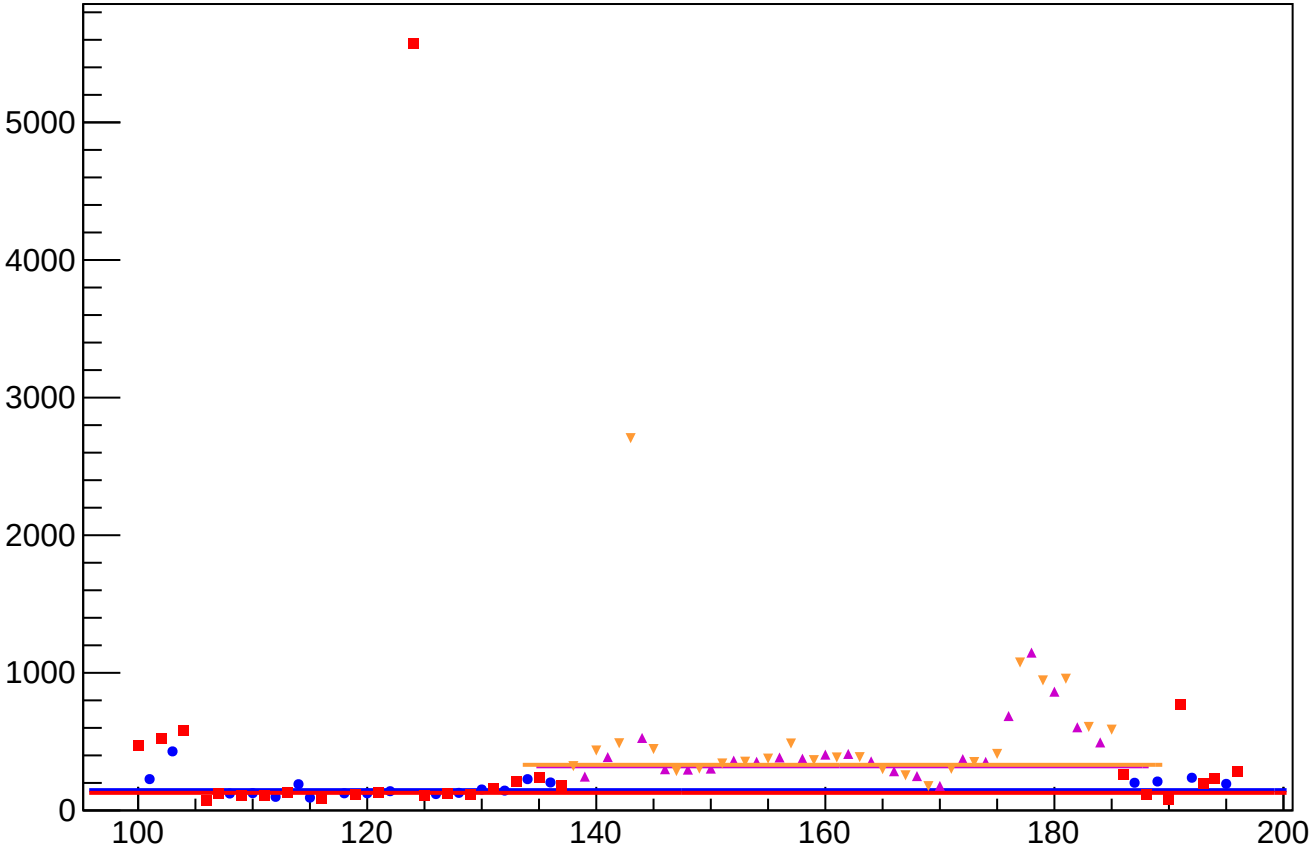
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.001+/-0.029 χ^2/NDF: 115.8/93

- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.613+/-0.037 χ^2/NDF: 1789595.1/19

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

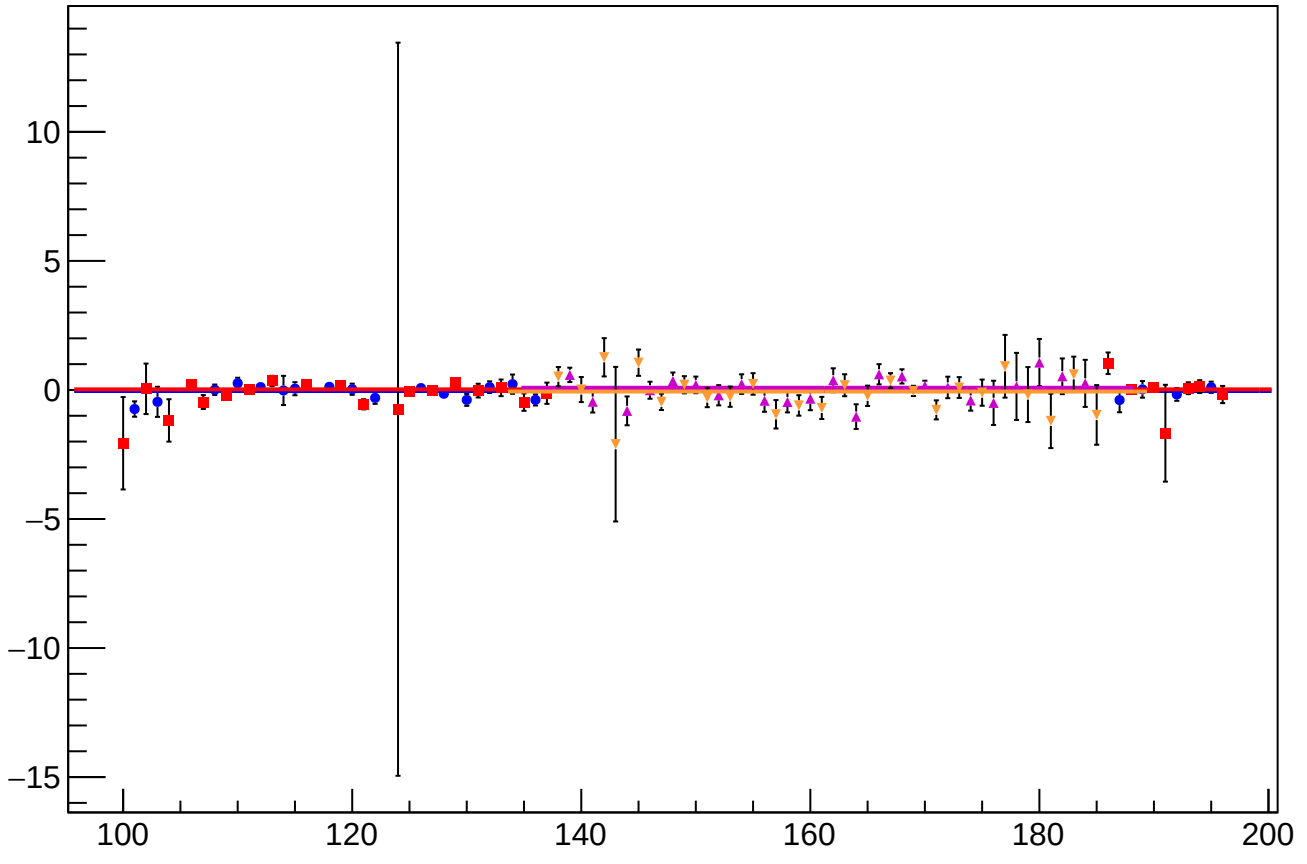
Right Out: 127.995+/-0.031 χ^2/NDF: 3788878.9/25

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.608+/-0.031 χ^2/NDF: 14619166.7/44

All: 182.760+/-0.020 χ^2/NDF: 31887894.2/93

- sign 170.815+/-0.027 χ^2/NDF: 16814845.1/48



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

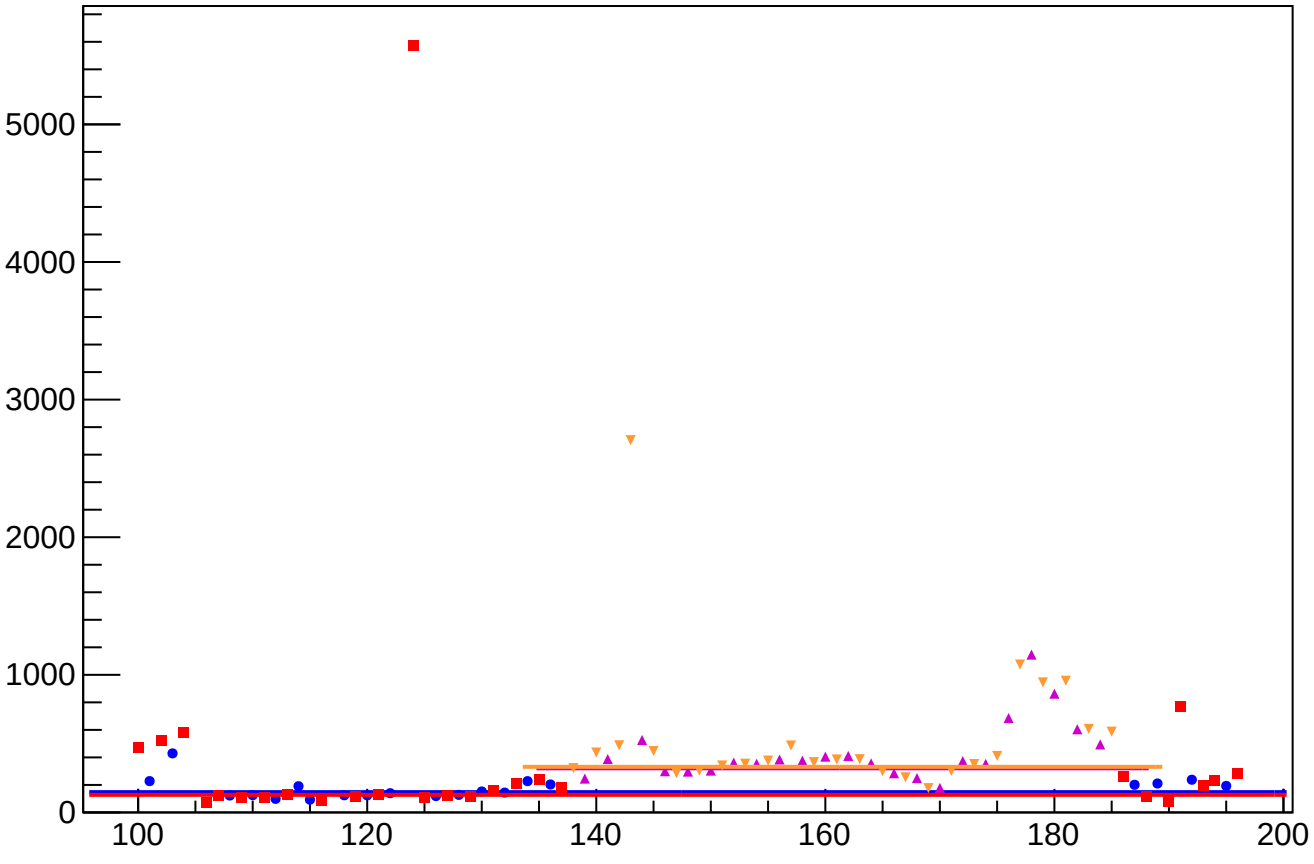
Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.001+/-0.029 χ^2/NDF: 115.8/93

\- sign 0.036+/-0.038 χ^2/NDF: 63.7/48



Right In: 147.613+/-0.037 χ^2/NDF: 1789595.1/19

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

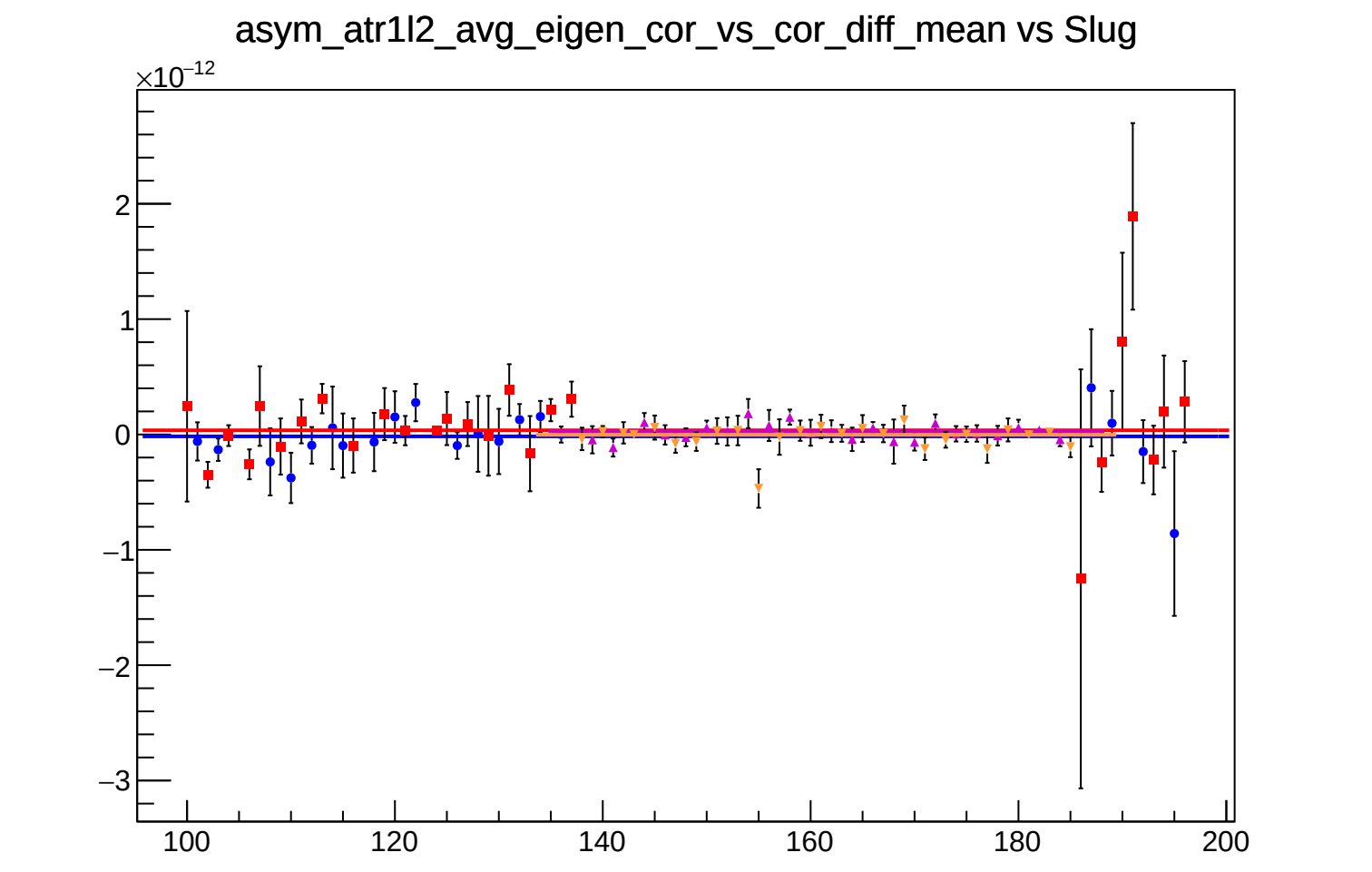
Right Out: 127.995+/-0.031 χ^2/NDF: 3788878.9/25

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.608+/-0.031 χ^2/NDF: 14619166.7/44

All: 182.760+/-0.020 χ^2/NDF: 31887894.2/93

- sign 170.815+/-0.027 χ^2/NDF: 16814845.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

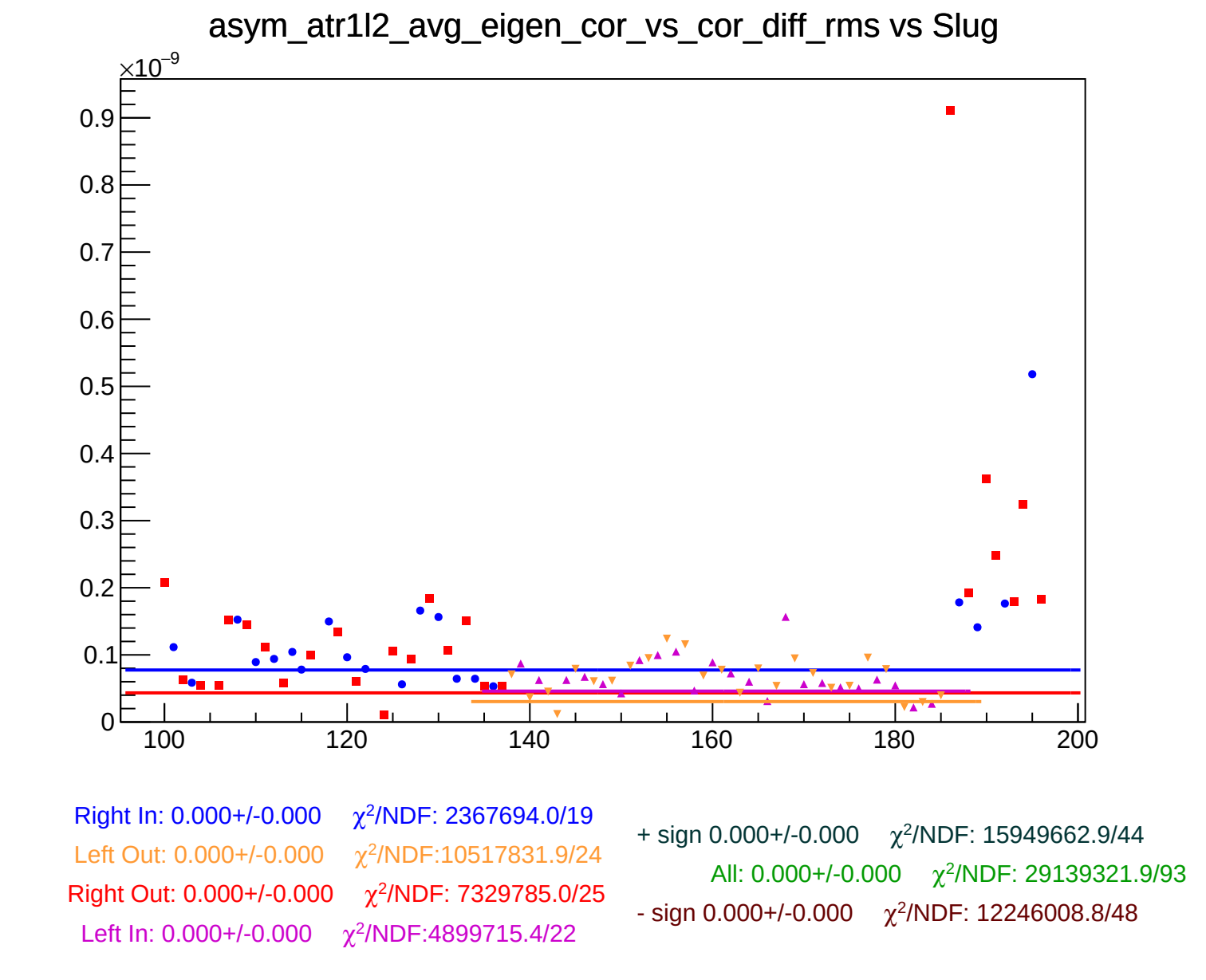
Right Out: 0.000+/-0.000 χ^2/NDF: 42.4/25

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

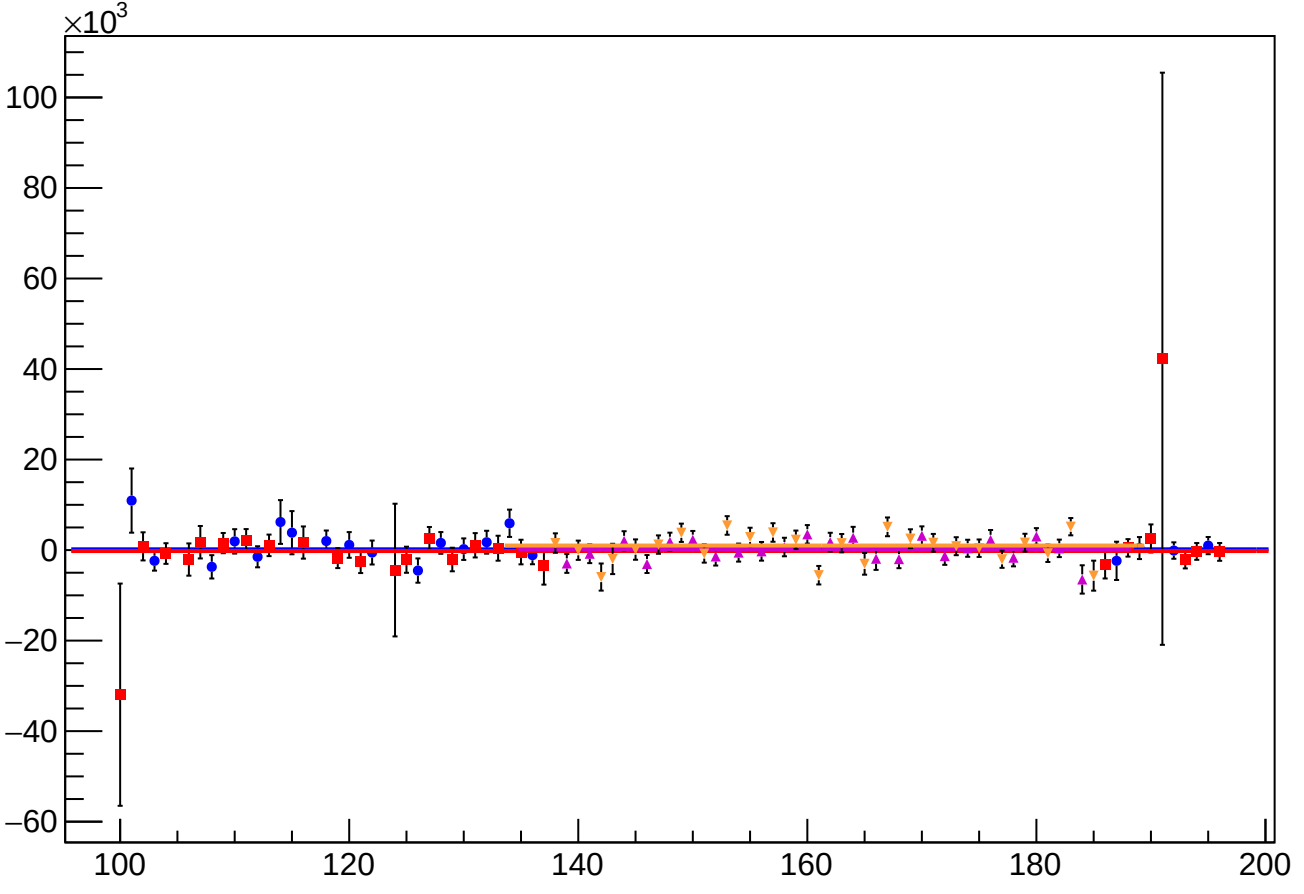
+ sign -0.000+/-0.000 χ^2/NDF: 31.9/44

All: 0.000+/-0.000 χ^2/NDF: 94.7/93

- sign 0.000+/-0.000 χ^2/NDF: 58.6/48


asym_atr1l2_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: 2367694.0/19
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7329785.0/25
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
+ sign 0.000+/-0.000 χ²/NDF: 15949662.9/44
All: 0.000+/-0.000 χ²/NDF: 29139321.9/93
- sign 0.000+/-0.000 χ²/NDF: 12246008.8/48

reg_asym_atr1l2_dd_mean vs Slug



Right In: 171.827+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.894+/-526.780 χ^2/NDF: 12.2/25

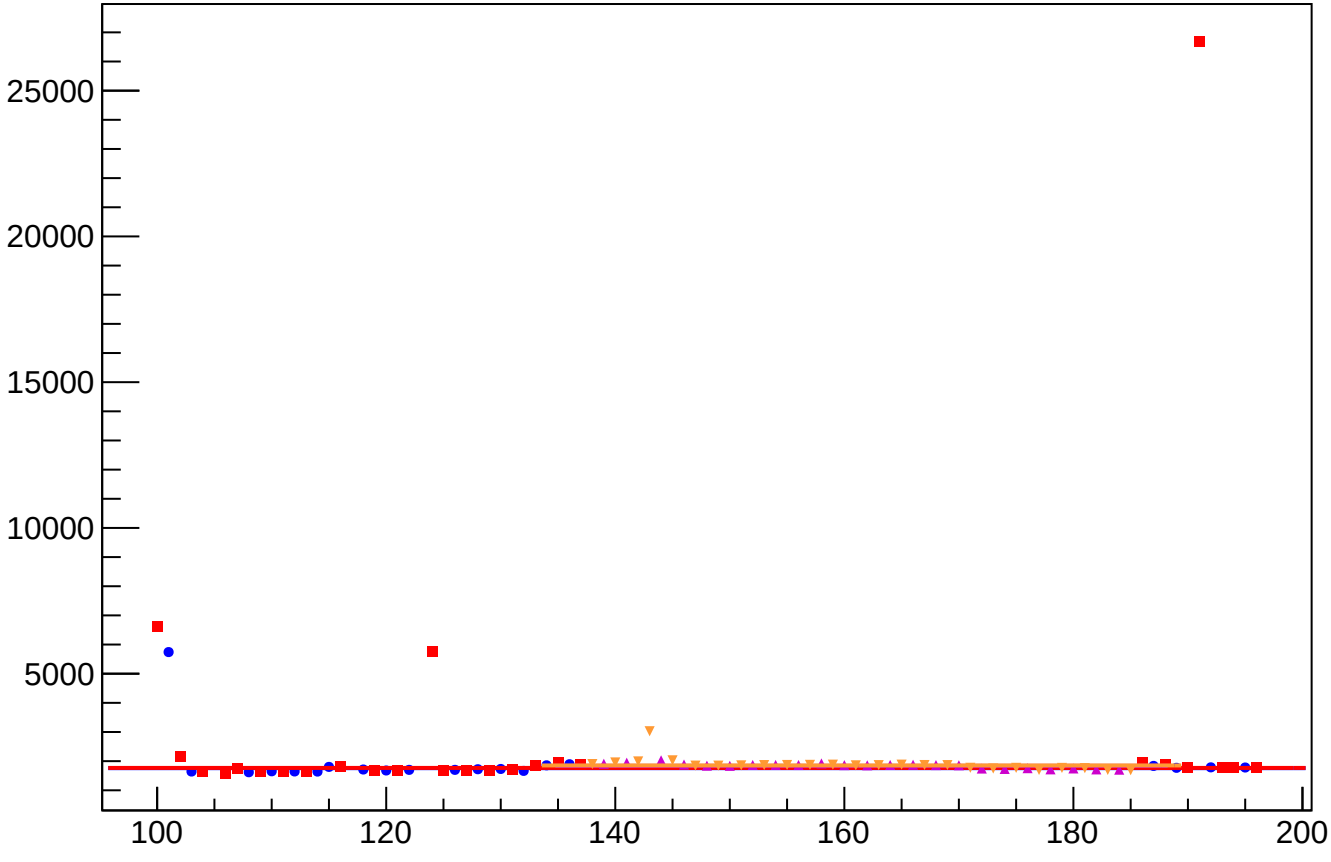
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 710.480+/-339.951 χ^2/NDF: 67.0/44

All: 375.350+/-237.876 χ^2/NDF: 107.9/93

- sign 53.839+/-332.972 χ^2/NDF: 39.0/48

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.0/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.656+/-0.371 χ^2/NDF: 637785.5/25

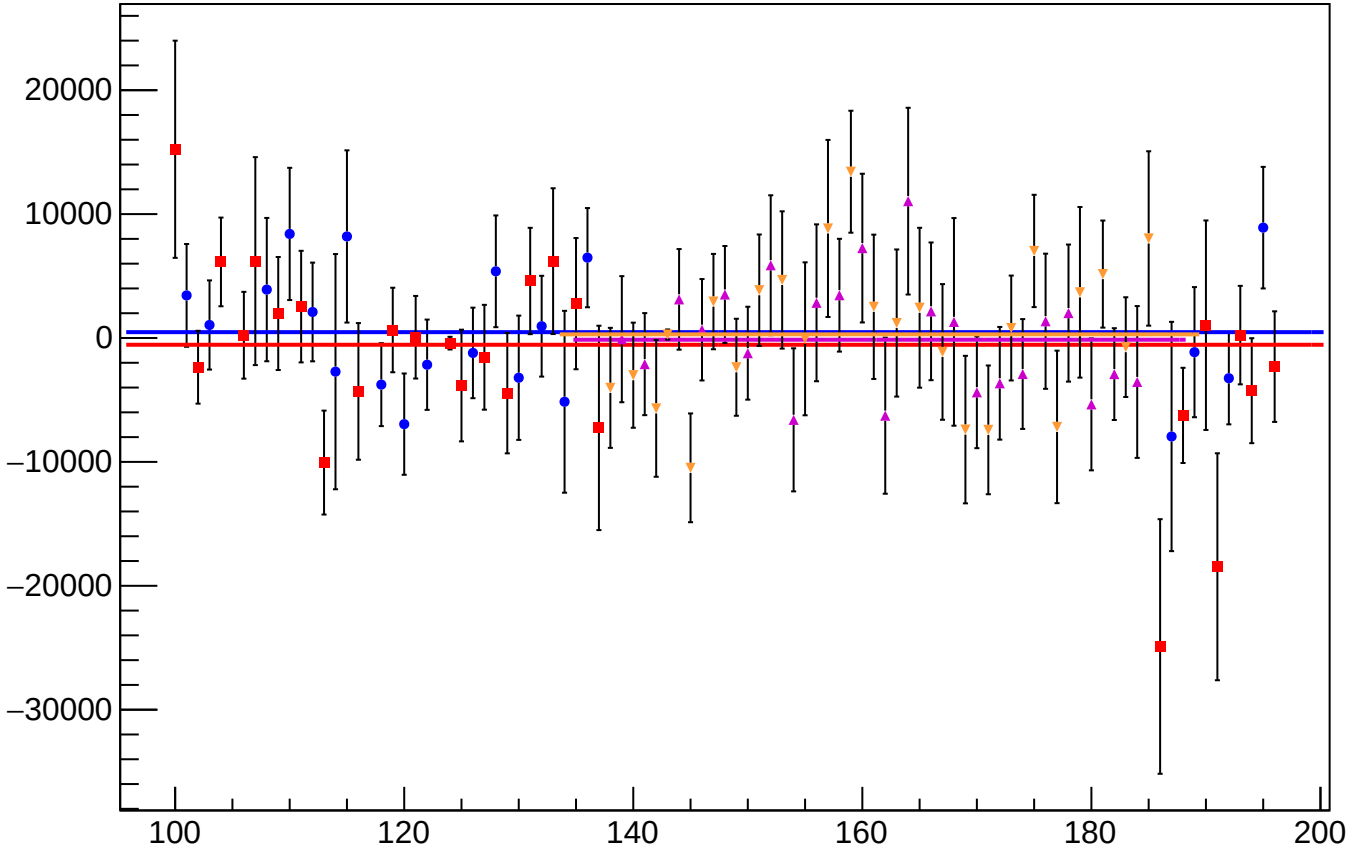
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026875.8/44

All: 1814.727+/-0.168 χ^2/NDF: 1755812.4/93

- sign 1810.050+/-0.235 χ^2/NDF: 728125.8/48

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 472.143+/-1006.946 χ^2/NDF: 19.7/19

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -546.631+/-445.404 χ^2/NDF: 32.1/25

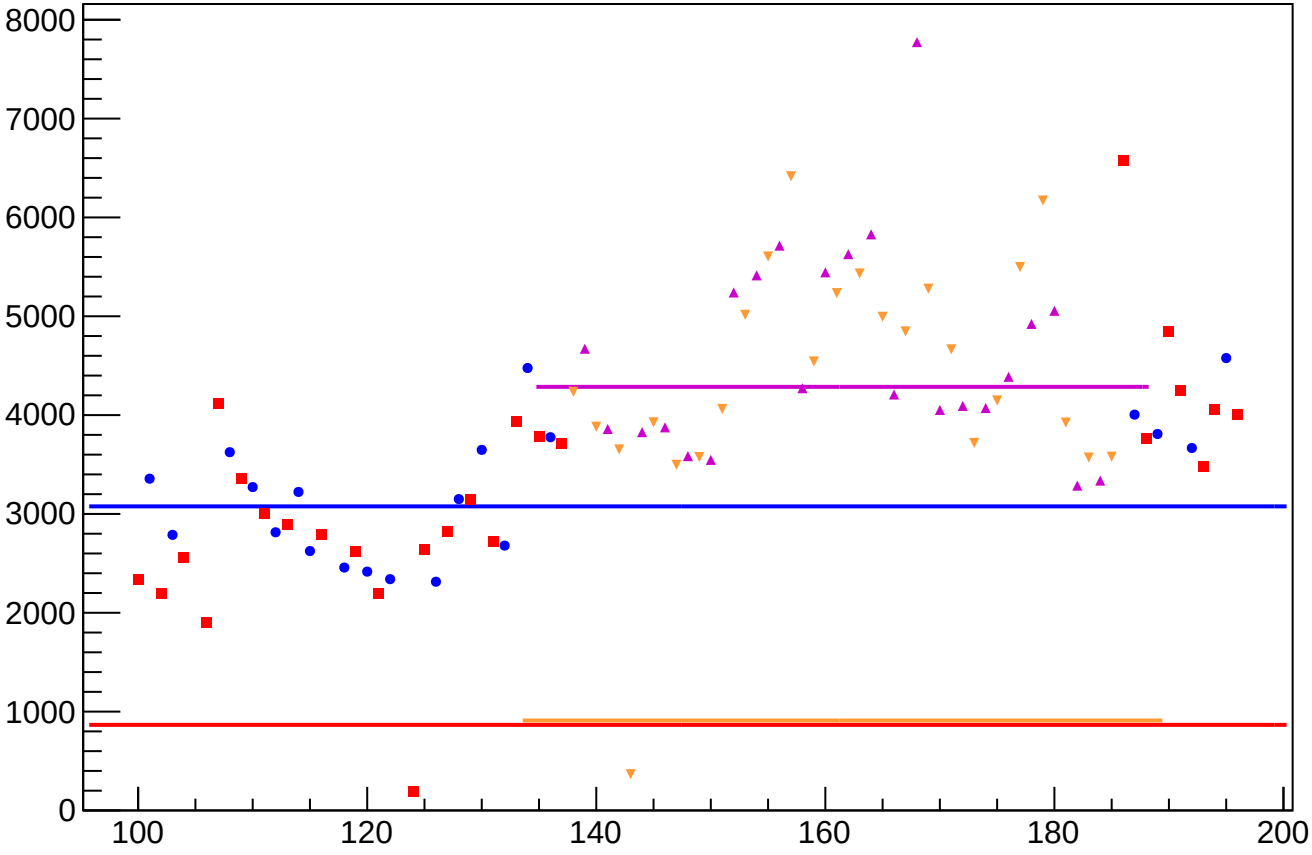
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 316.556+/-355.462 χ^2/NDF: 49.7/44

All: -27.483+/-268.118 χ^2/NDF: 98.0/93

- sign -481.563+/-408.372 χ^2/NDF: 46.1/48

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3076.583+/-0.712 χ^2/NDF: 825212.1/19

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

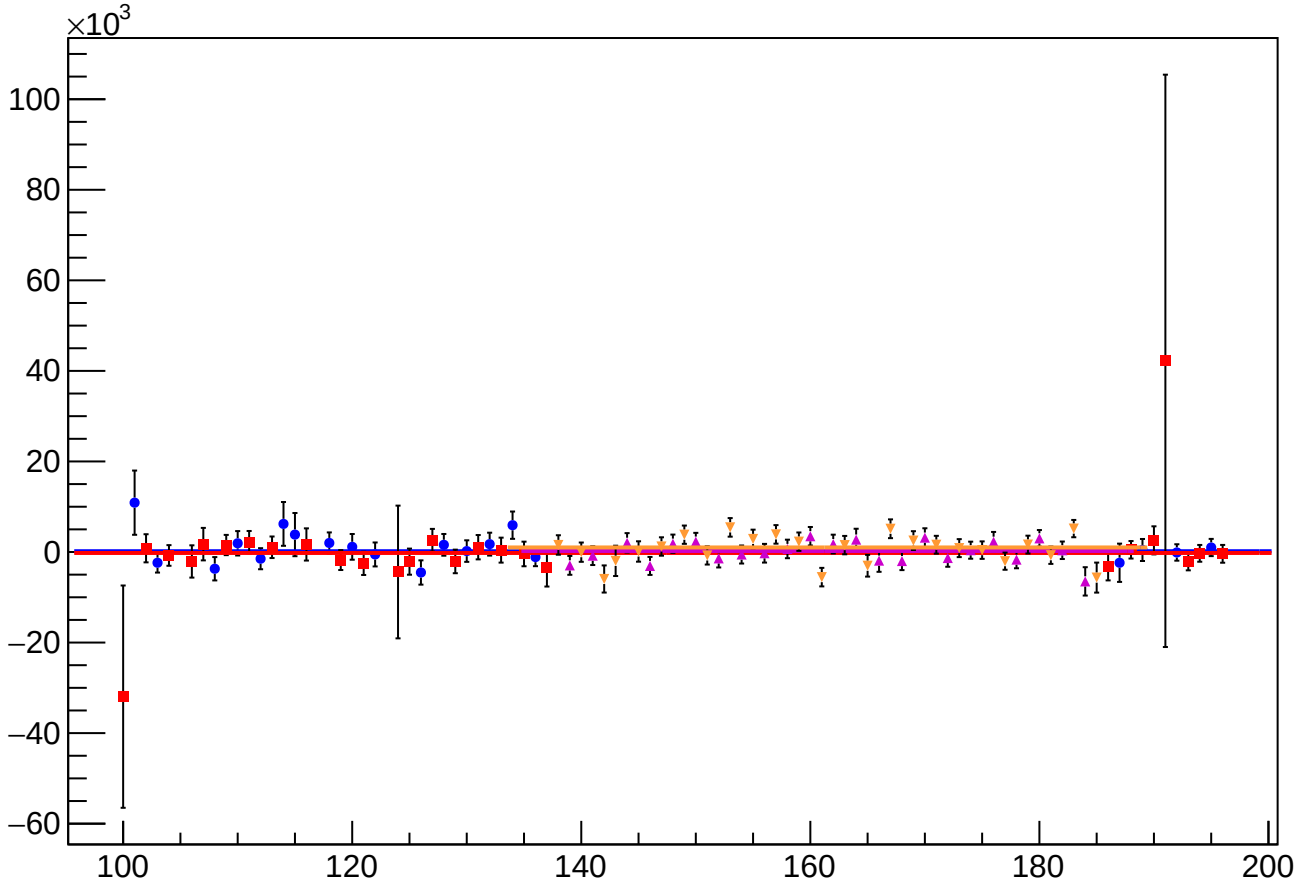
Right Out: 865.942+/-0.315 χ^2/NDF: 15905888.4/25

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1180.110+/-0.251 χ^2/NDF: 35703581.3/44

All: 1279.627+/-0.190 χ^2/NDF: 72092409.3/9

- sign 1410.974+/-0.289 χ^2/NDF: 36025165.9/48



Right In: 171.534+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.888+/-526.780 χ^2/NDF: 12.2/25

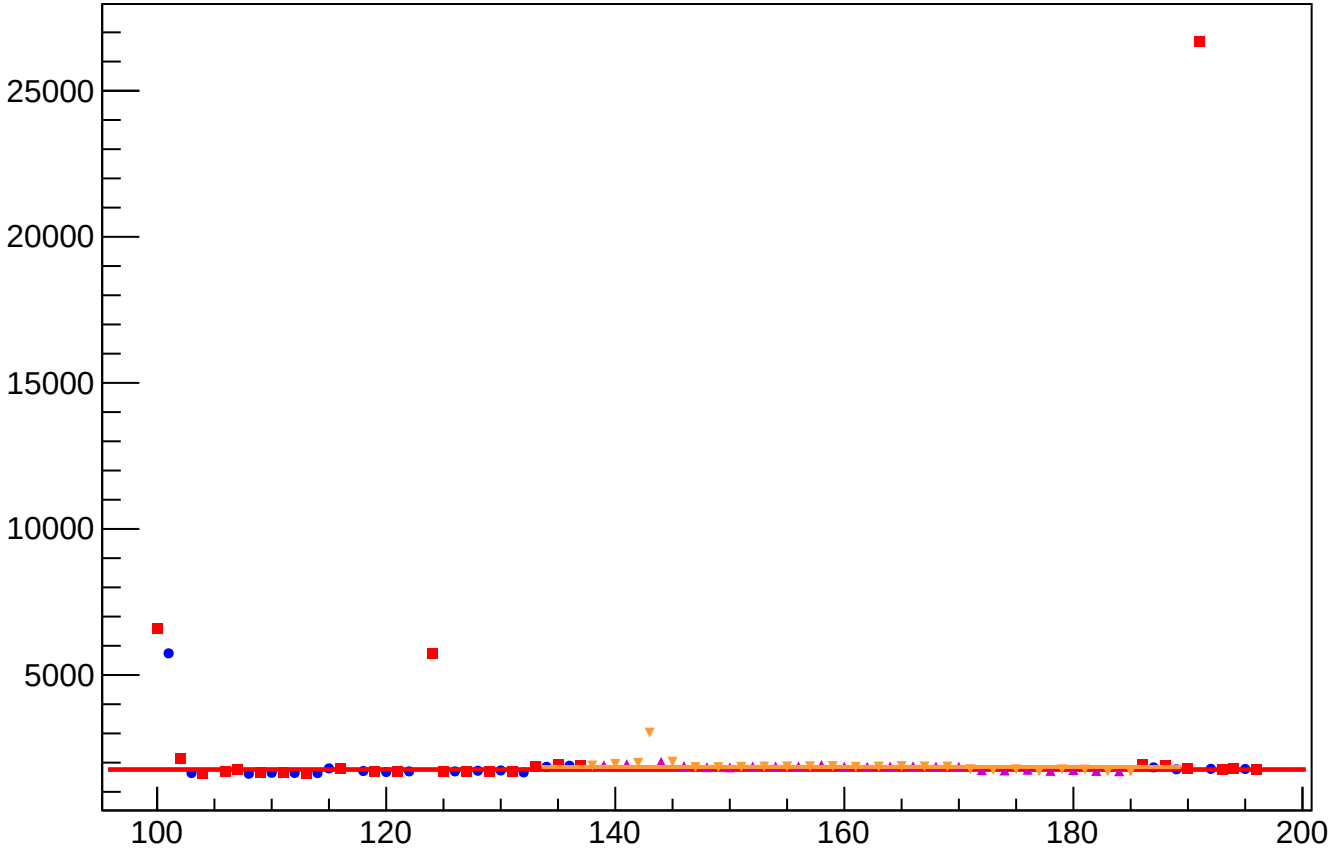
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 710.350+/-339.951 χ^2/NDF: 67.0/44

All: 375.262+/-237.876 χ^2/NDF: 107.9/93

- sign 53.790+/-332.972 χ^2/NDF: 39.0/48

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.2/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.131+/-0.372 χ^2/NDF: 629474.9/25

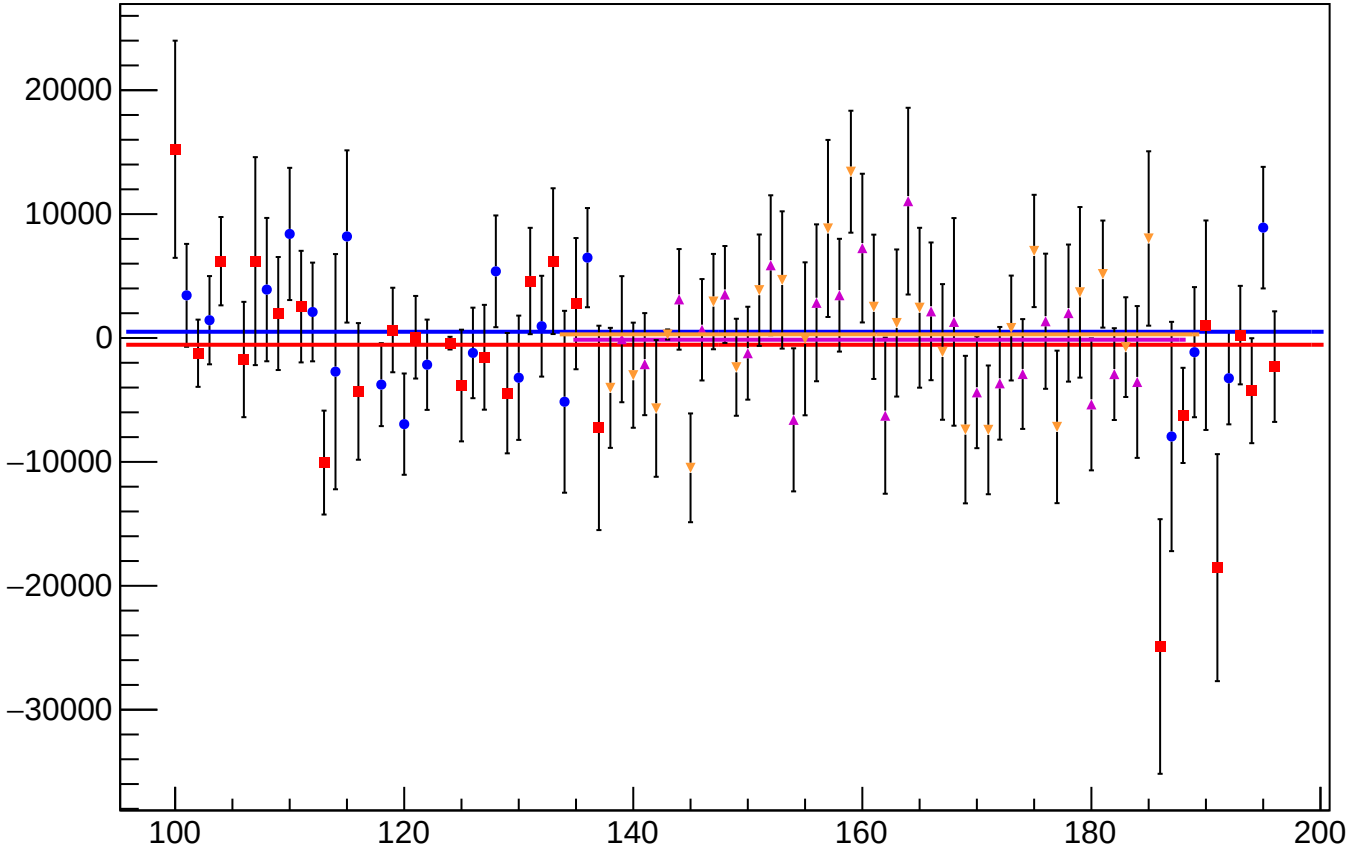
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026876.1/44

All: 1815.689+/-0.168 χ^2/NDF: 1744487.7/93

- sign 1811.923+/-0.235 χ^2/NDF: 717087.5/48

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 503.979+/-1006.152 χ^2/NDF: 19.7/19

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -545.344+/-446.245 χ^2/NDF: 31.9/25

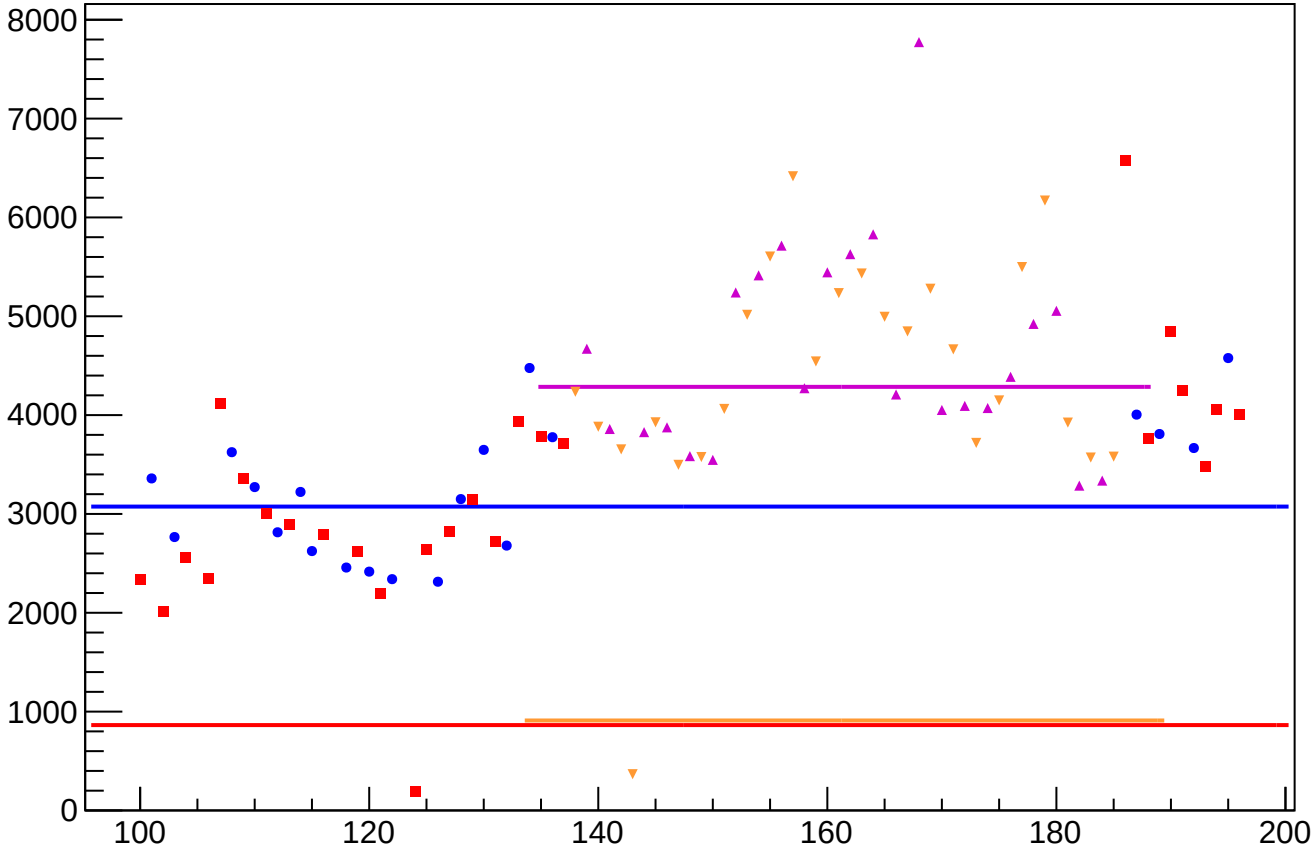
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 321.351+/-355.451 χ^2/NDF: 49.8/44

All: -23.558+/-268.296 χ^2/NDF: 97.9/93

- sign -480.262+/-409.020 χ^2/NDF: 45.9/48

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3074.471+/-0.711 χ^2/NDF: 827714.5/19

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 863.716+/-0.316 χ^2/NDF: 15871973.2/25

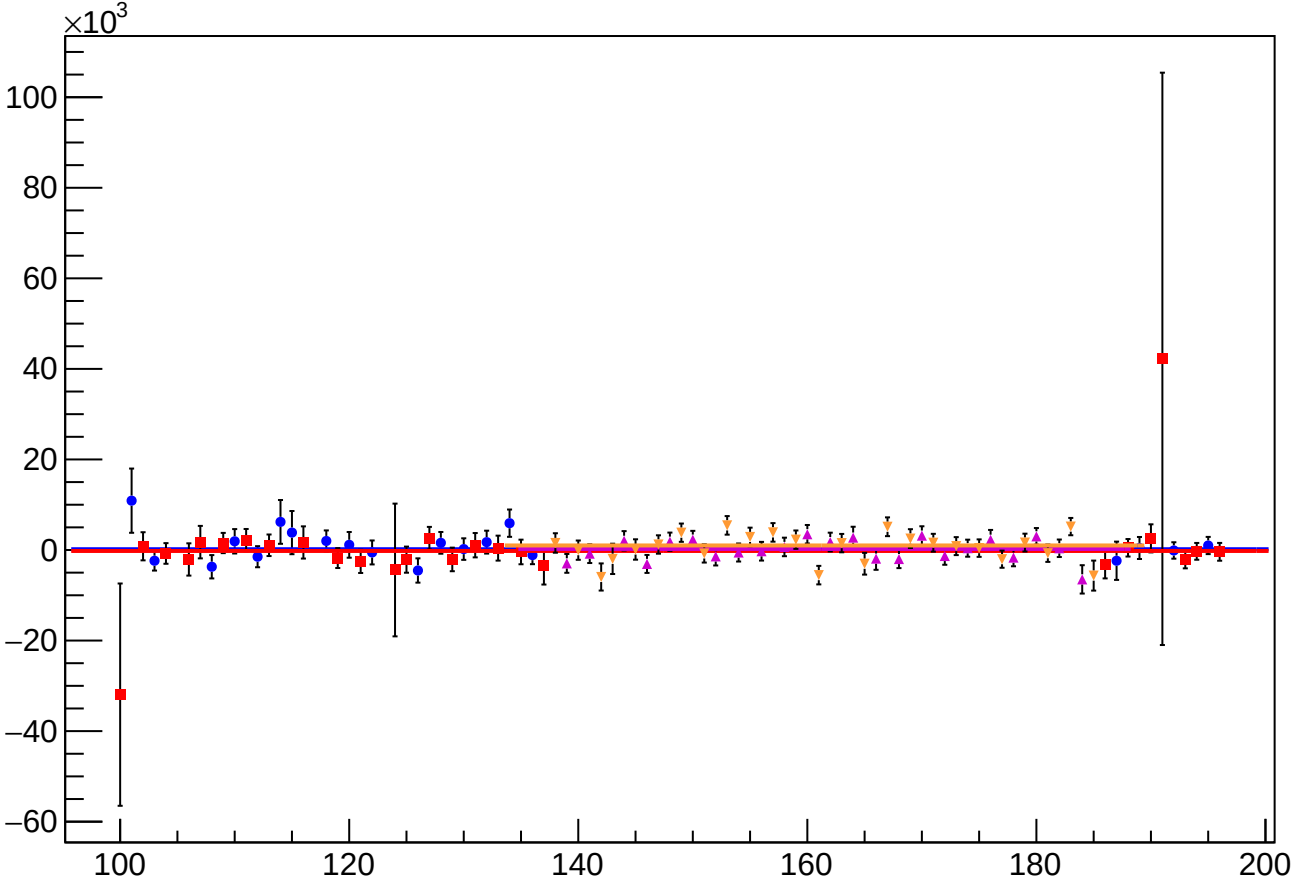
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1180.359+/-0.251 χ^2/NDF: 35699273.6/44

All: 1279.526+/-0.190 χ^2/NDF: 72065429.4/9

- sign 1410.836+/-0.289 χ^2/NDF: 36004358.4/48

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 171.534+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.888+/-526.780 χ^2/NDF: 12.2/25

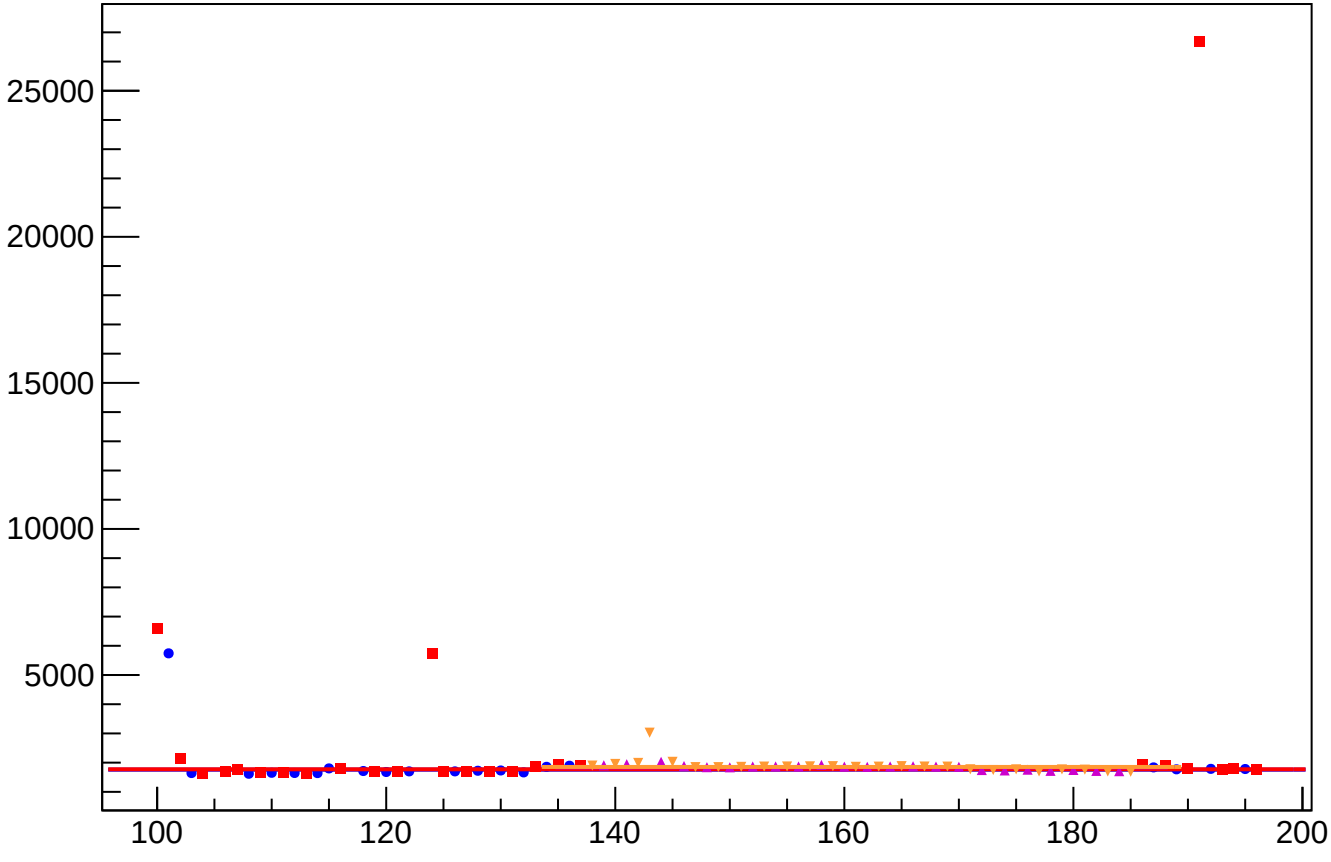
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 710.350+/-339.951 χ^2/NDF: 67.0/44

All: 375.262+/-237.876 χ^2/NDF: 107.9/93

- sign 53.790+/-332.972 χ^2/NDF: 39.0/48

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.2/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

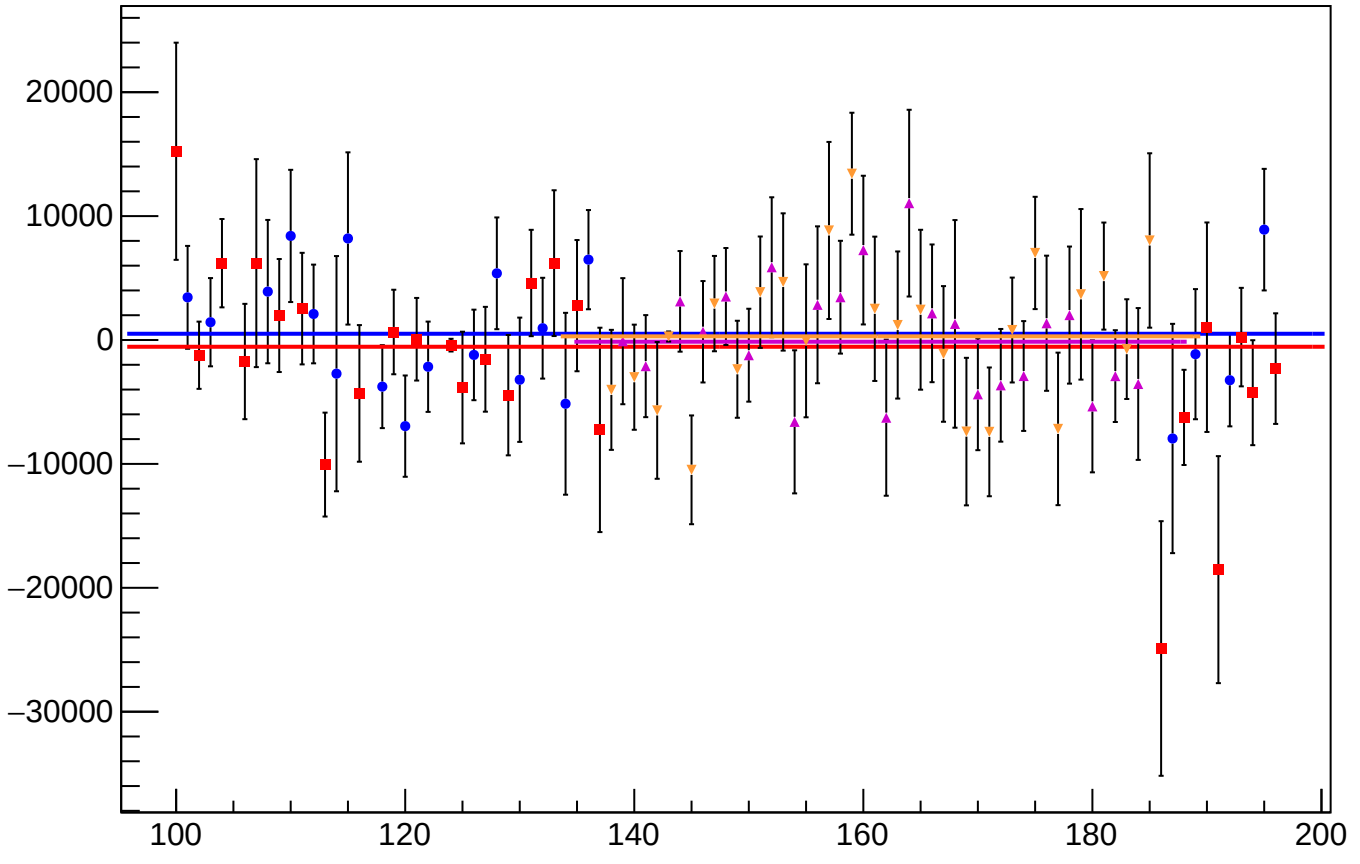
Right Out: 1772.131+/-0.372 χ^2/NDF: 629474.9/25

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026876.1/44

All: 1815.689+/-0.168 χ^2/NDF: 1744487.7/93

- sign 1811.923+/-0.235 χ^2/NDF: 717087.5/48



Right In: 503.979+/-1006.152 χ^2/NDF: 19.7/19

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -545.344+/-446.245 χ^2/NDF: 31.9/25

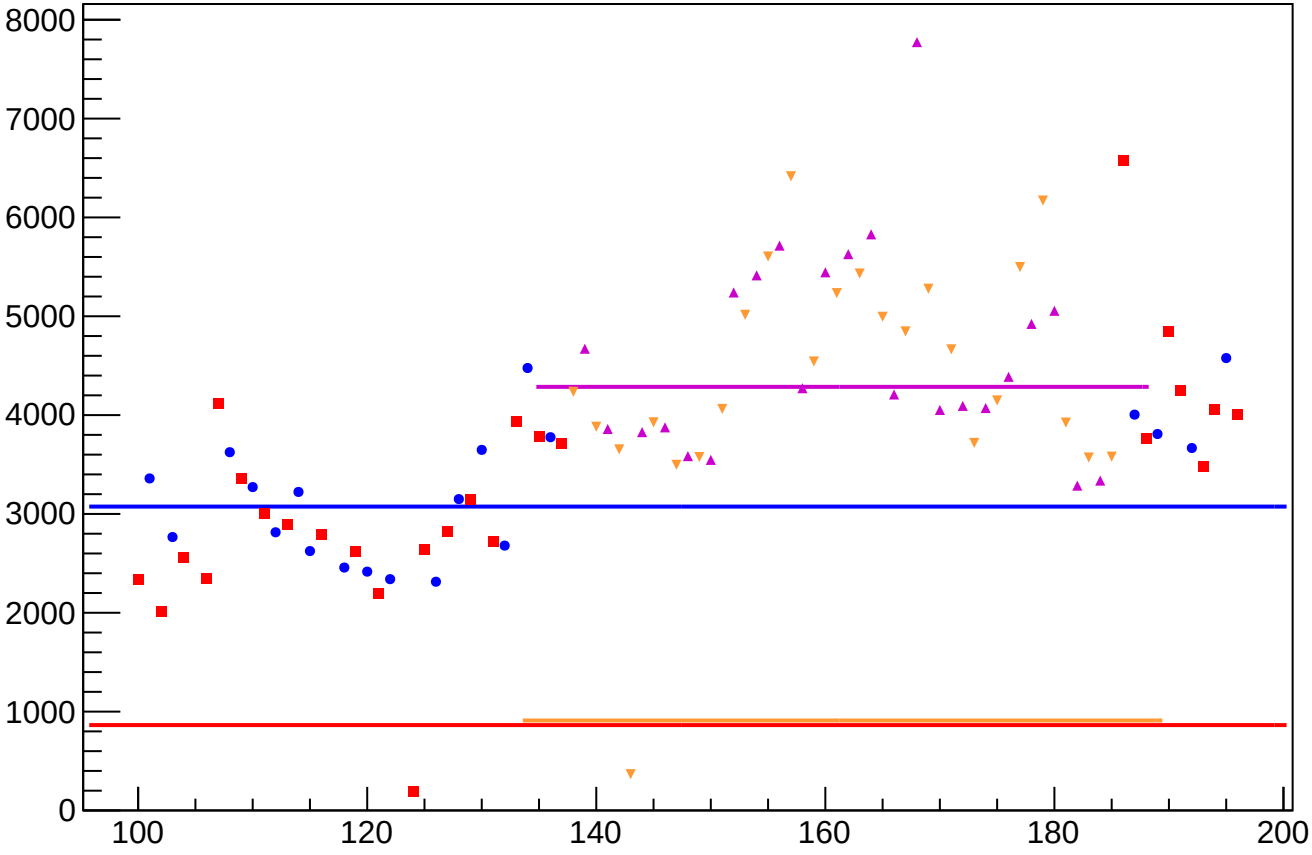
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 321.351+/-355.451 χ^2/NDF: 49.8/44

All: -23.558+/-268.296 χ^2/NDF: 97.9/93

- sign -480.262+/-409.020 χ^2/NDF: 45.9/48

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3074.471+/-0.711 χ^2/NDF: 827714.5/19

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 863.716+/-0.316 χ^2/NDF: 15871973.2/25

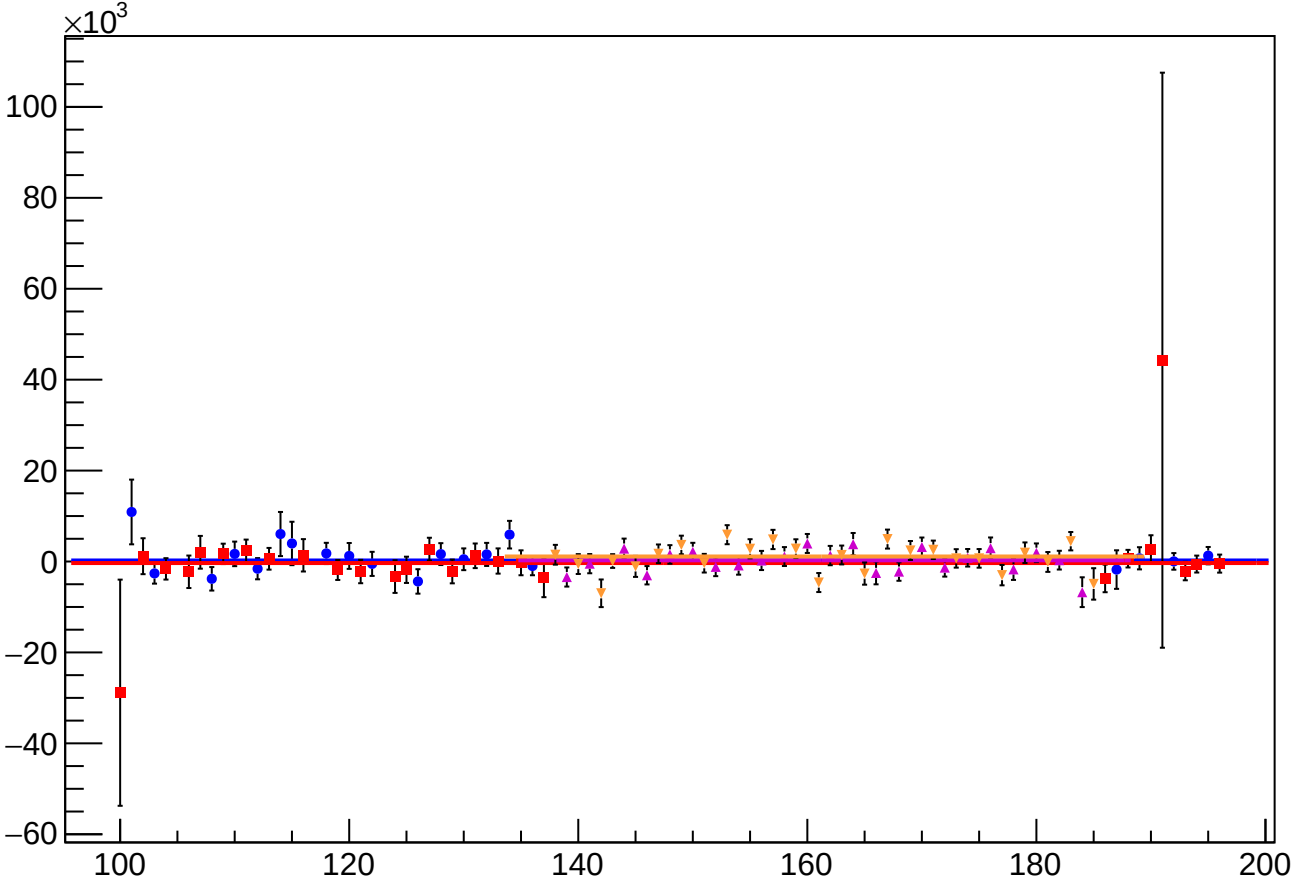
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1180.359+/-0.251 χ^2/NDF: 35699273.6/44

All: 1279.526+/-0.190 χ^2/NDF: 72065429.4/9

- sign 1410.836+/-0.289 χ^2/NDF: 36004358.4/48

dit_asym_atr1l2_dd_mean vs Slug



Right In: 224.339+/-575.951 χ^2/NDF: 17.9/19

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -339.590+/-527.177 χ^2/NDF: 13.4/25

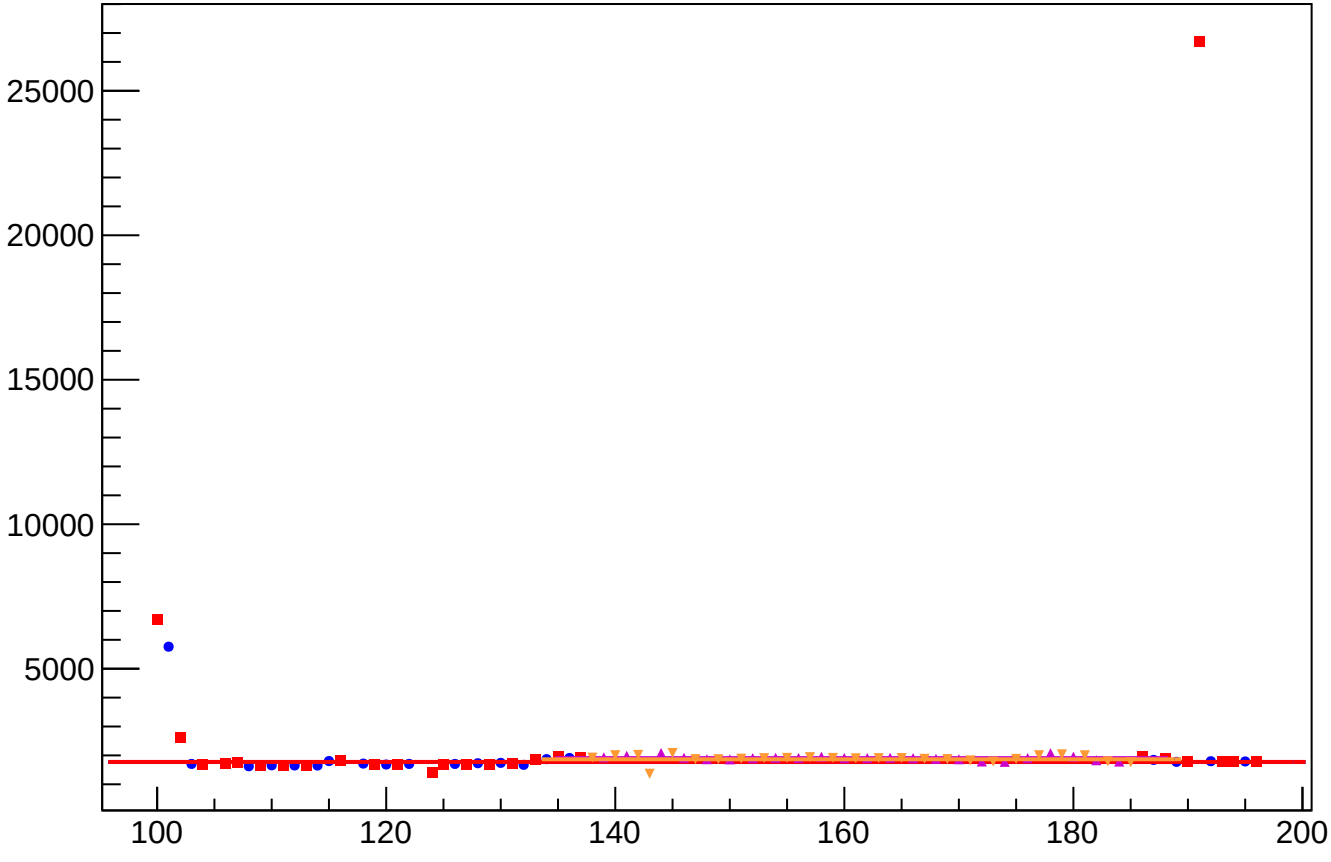
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 793.129+/-342.141 χ^2/NDF: 64.2/44

All: 400.844+/-241.243 χ^2/NDF: 108.7/93

- sign 12.986+/-340.205 χ^2/NDF: 41.9/48

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.583+/-0.407 χ^2/NDF: 669315.0/19

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1773.892+/-0.372 χ^2/NDF: 560738.6/25

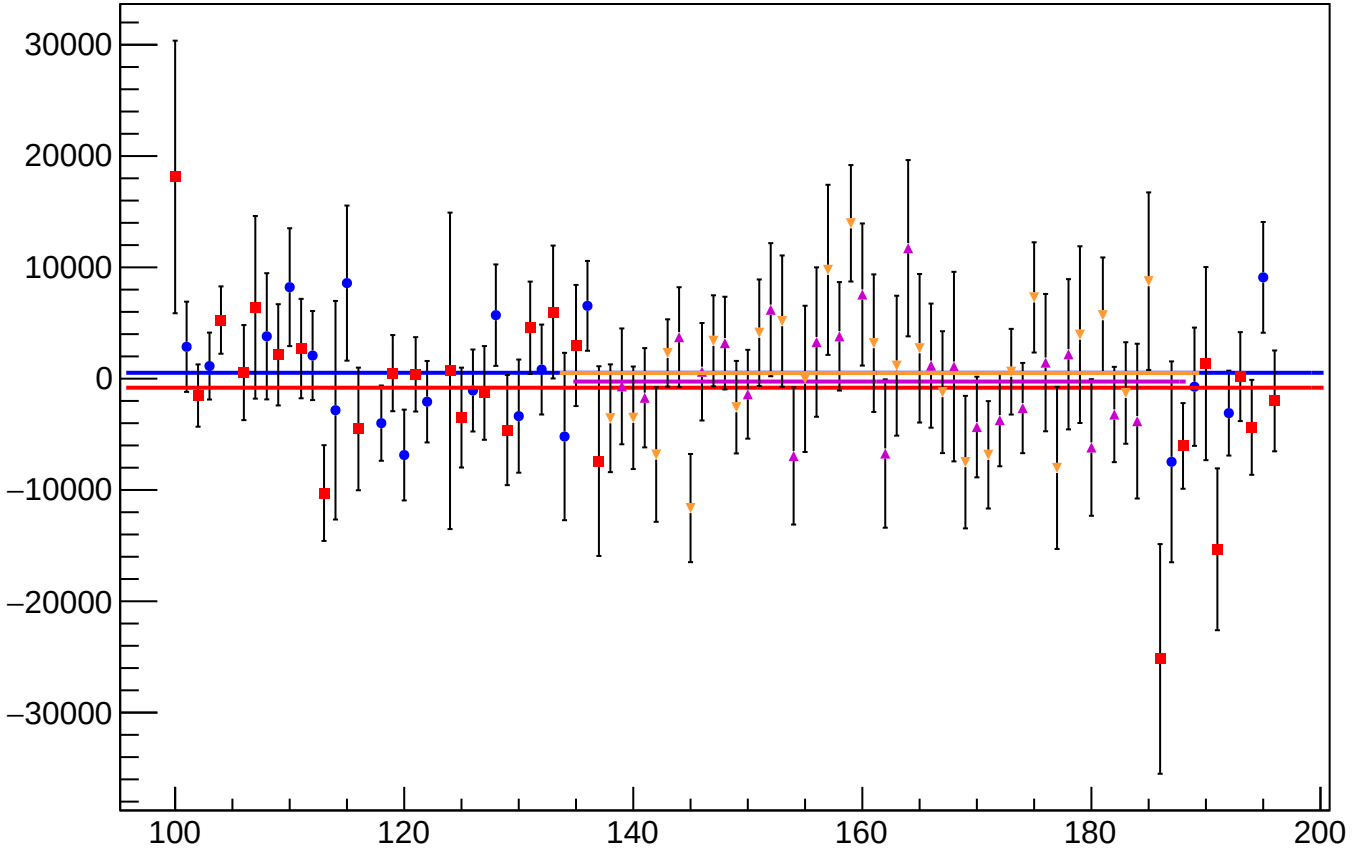
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1831.578+/-0.242 χ^2/NDF: 998690.3/44

All: 1841.173+/-0.171 χ^2/NDF: 1688374.0/93

- sign 1850.645+/-0.240 χ^2/NDF: 686558.0/48

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 529.084+/-994.135 χ^2/NDF: 19.6/19

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -812.055+/-899.944 χ^2/NDF: 31.3/25

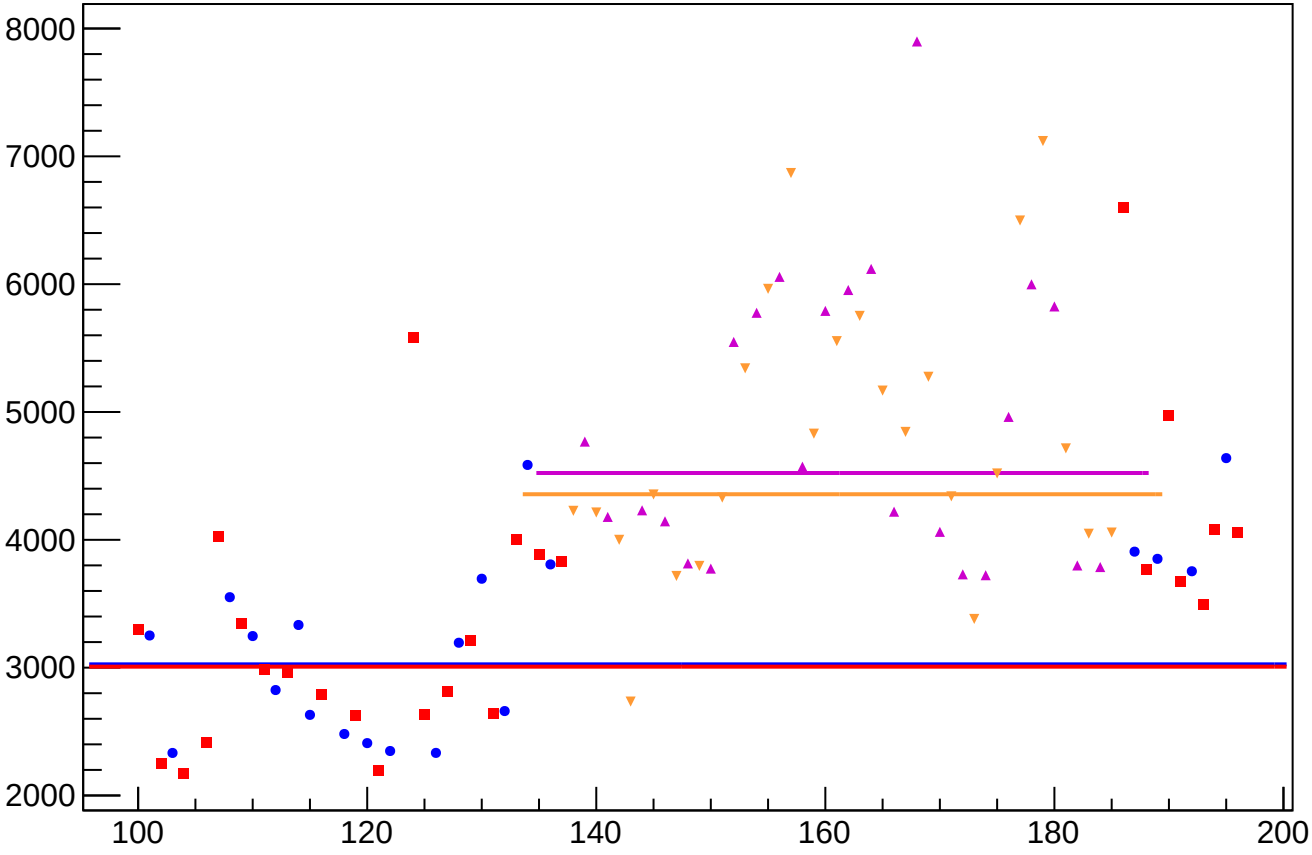
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 517.012+/-712.500 χ^2/NDF: 49.6/44

All: -51.103+/-496.311 χ^2/NDF: 95.9/93

- sign -586.596+/-691.741 χ^2/NDF: 45.1/48

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3025.809+/-0.703 χ^2/NDF: 949073.4/19

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3007.754+/-0.636 χ^2/NDF: 1460523.4/25

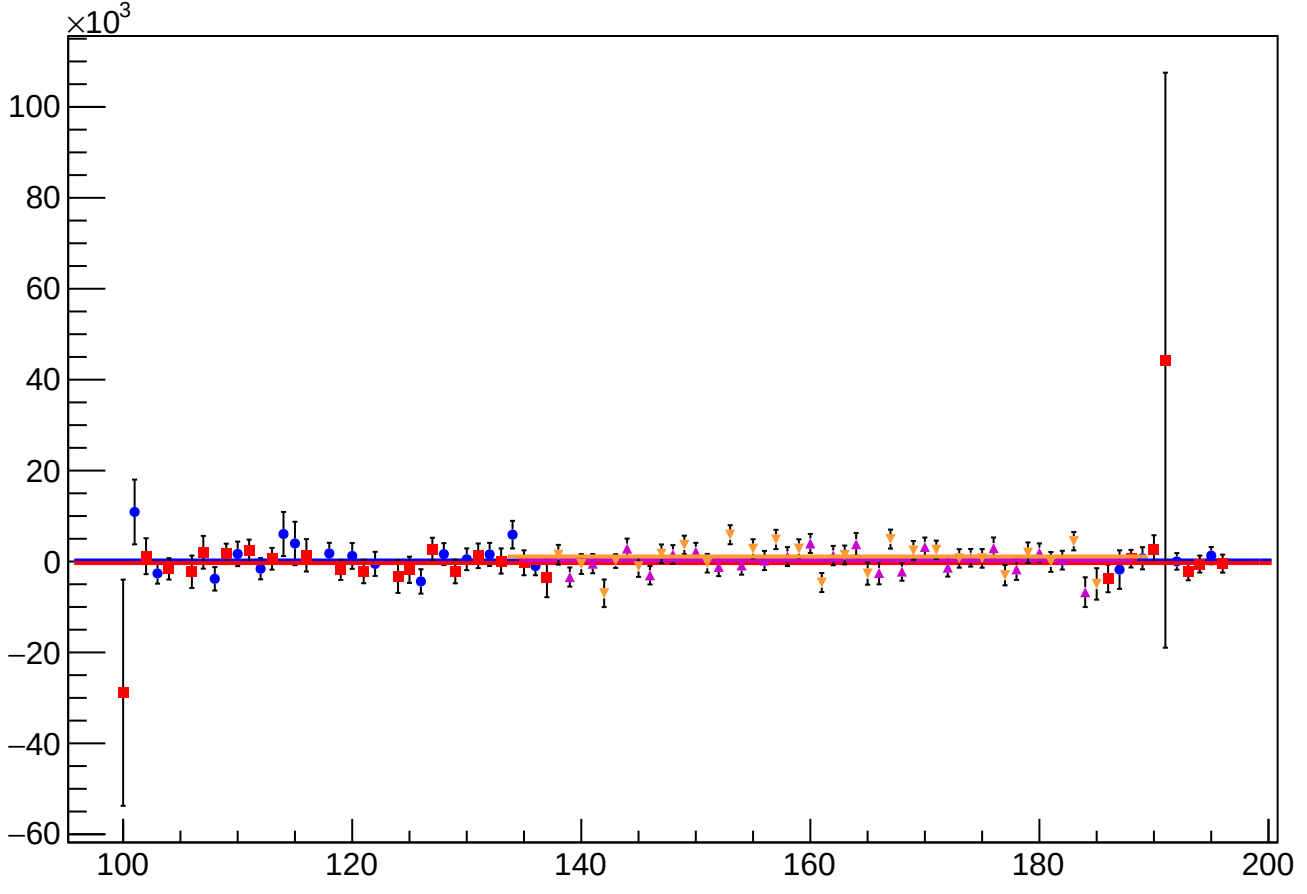
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3673.041+/-0.504 χ^2/NDF: 4604504.2/44

All: 3649.687+/-0.351 χ^2/NDF: 9822506.8/93

- sign 3627.673+/-0.489 χ^2/NDF: 5213828.3/48

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 224.340+/-575.951 χ^2/NDF: 17.9/19

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -339.586+/-527.177 χ^2/NDF: 13.4/25

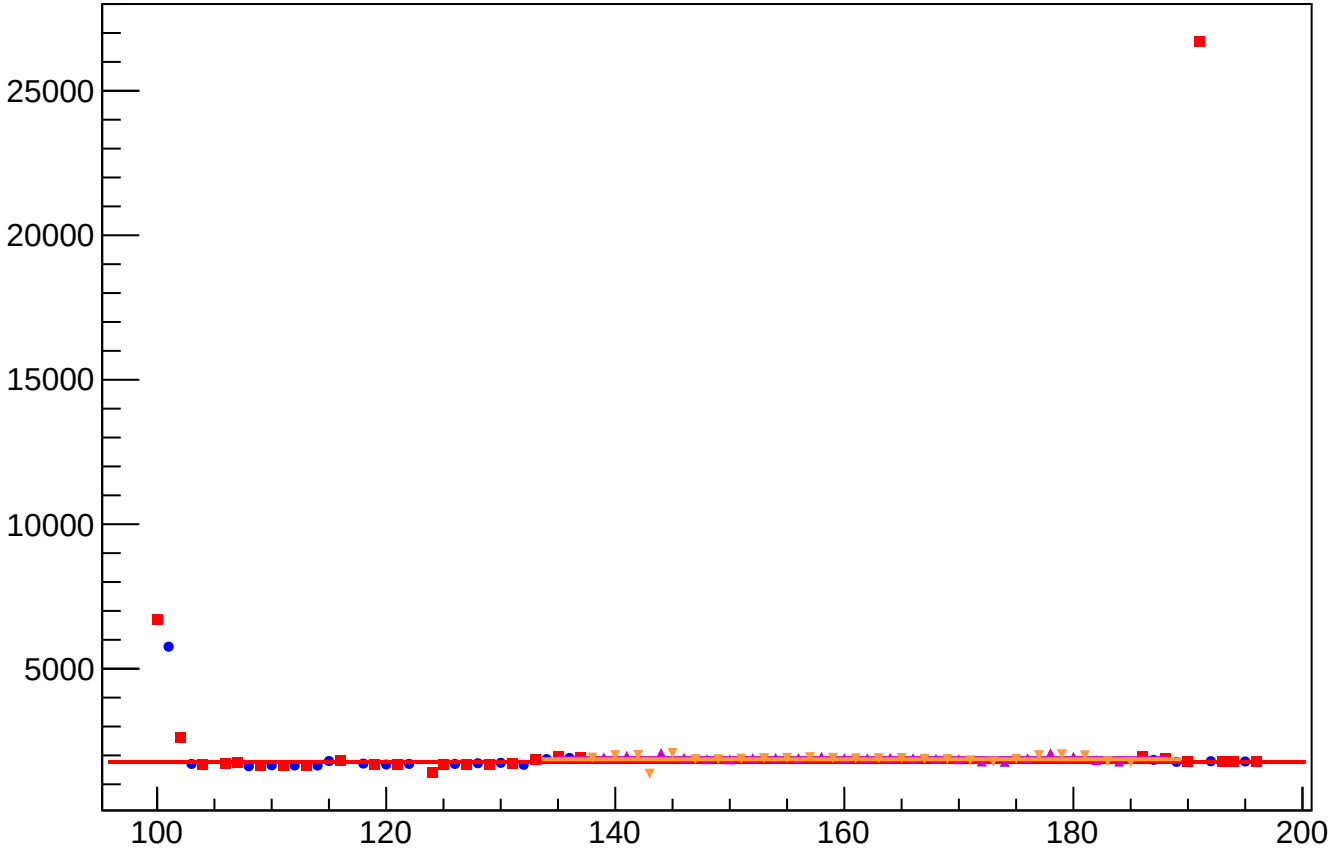
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 793.130+/-342.141 χ^2/NDF: 64.2/44

All: 400.846+/-241.243 χ^2/NDF: 108.7/93

- sign 12.988+/-340.206 χ^2/NDF: 41.9/48

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.583+/-0.407 χ^2/NDF: 669315.0/19

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

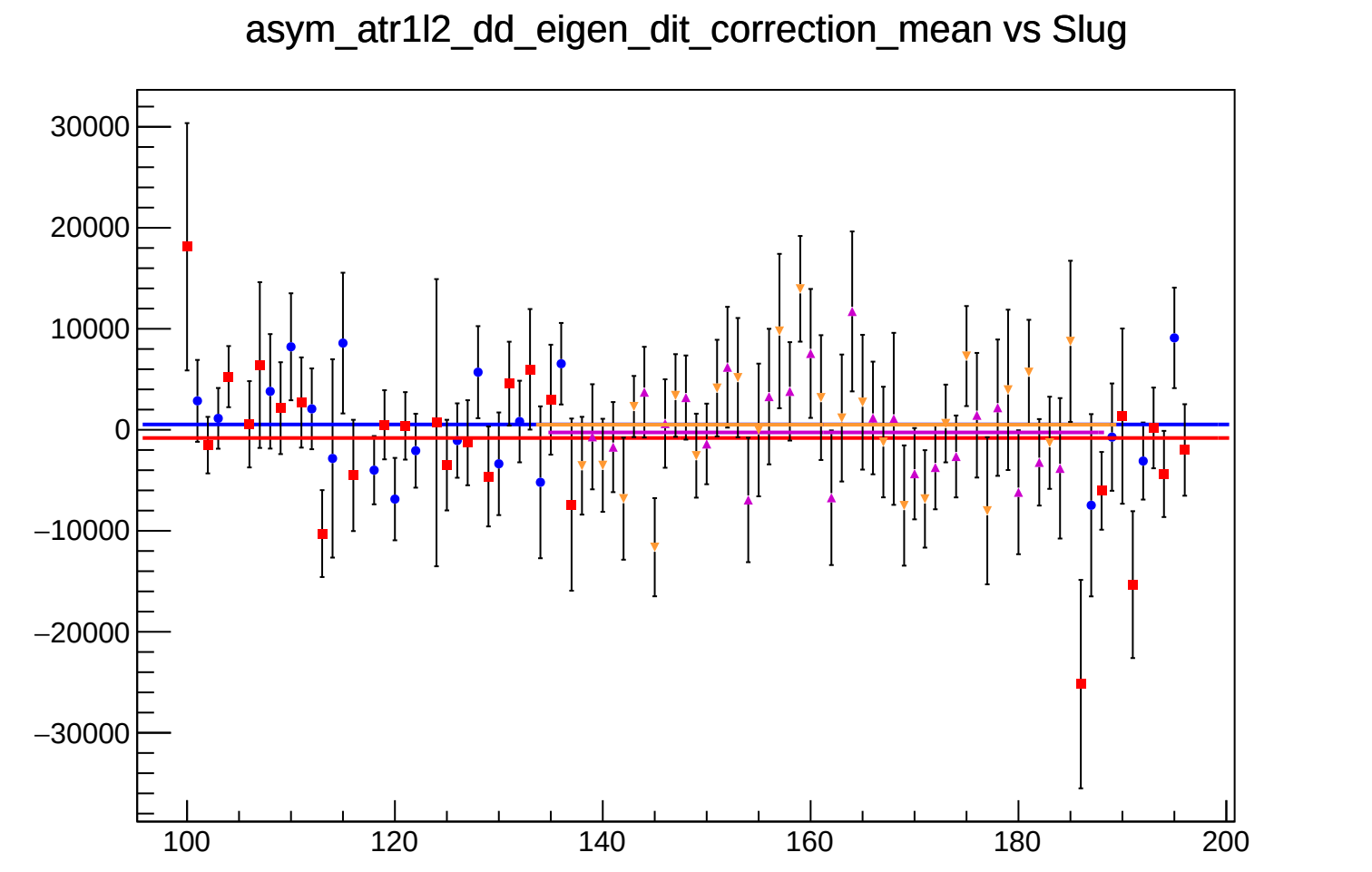
Right Out: 1773.892+/-0.372 χ^2/NDF: 560738.5/25

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1831.579+/-0.242 χ^2/NDF: 998694.4/44

All: 1841.174+/-0.171 χ^2/NDF: 1688381.5/93

- sign 1850.646+/-0.240 χ^2/NDF: 686561.4/48



Right In: 529.079+/-994.133 χ^2/NDF: 19.6/19

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -812.052+/-899.943 χ^2/NDF: 31.3/25

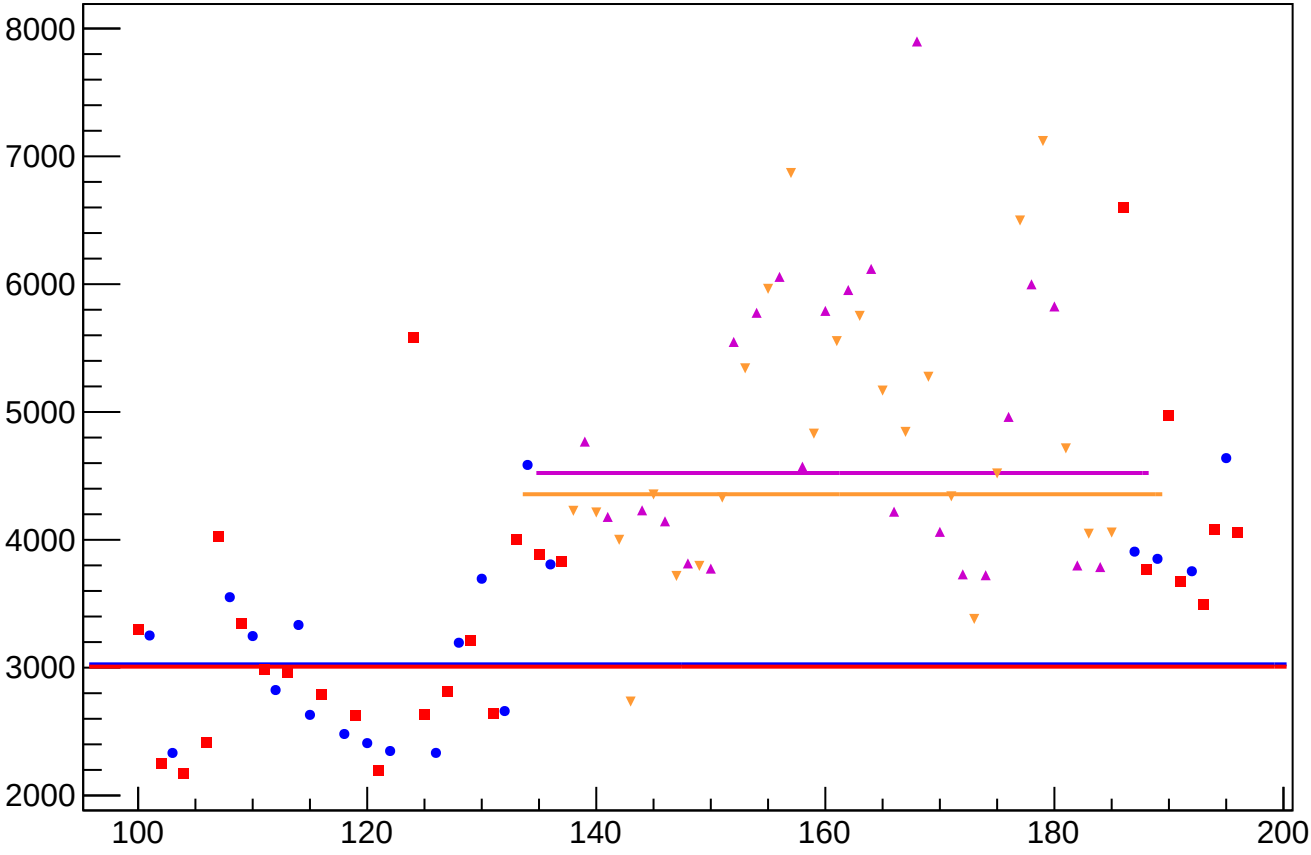
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 517.011+/-712.500 χ^2/NDF: 49.6/44

All: -51.103+/-496.311 χ^2/NDF: 95.9/93

- sign -586.595+/-691.741 χ^2/NDF: 45.1/48

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3025.802+/-0.703 χ^2/NDF: 949087.1/19

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3007.750+/-0.636 χ^2/NDF: 1460529.4/25

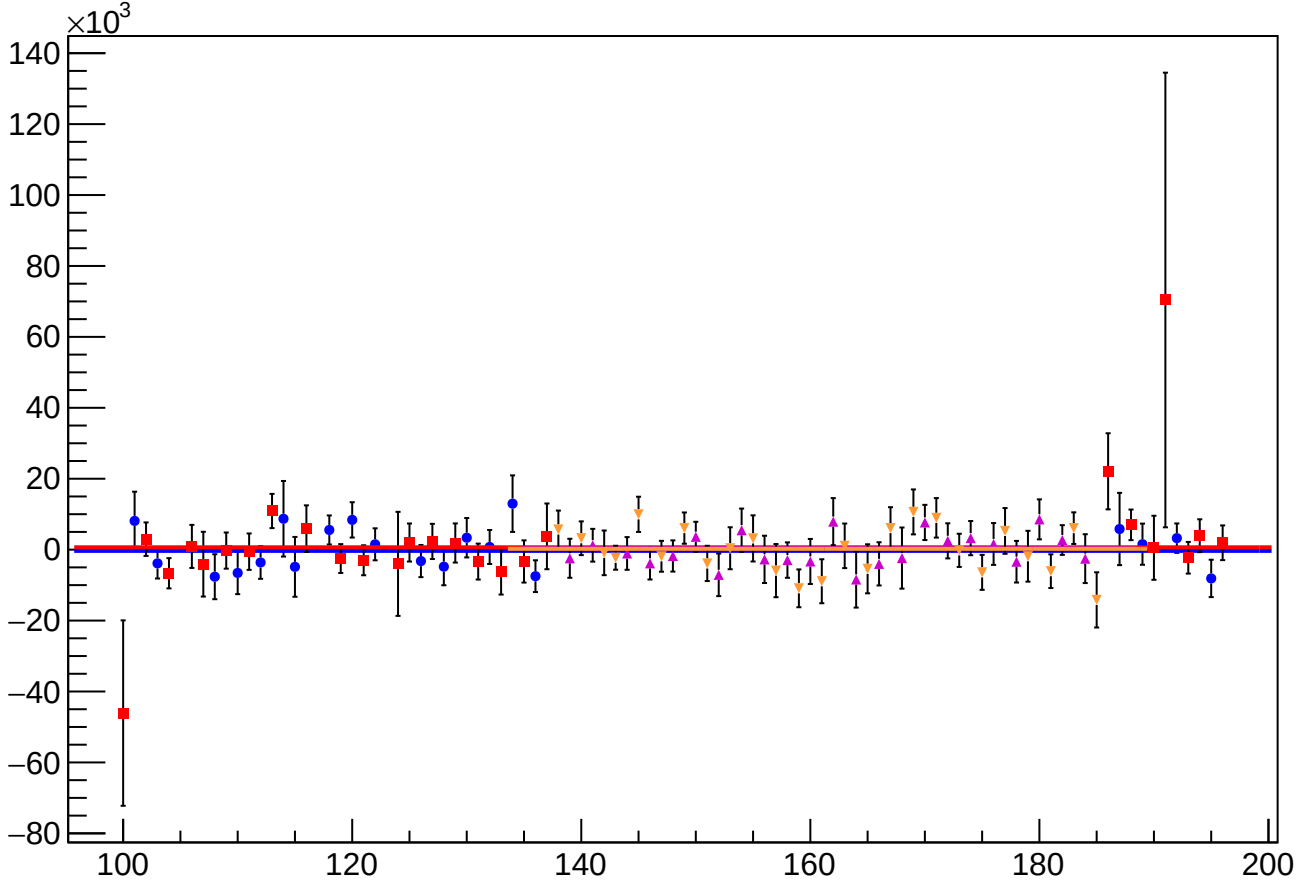
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3673.039+/-0.504 χ^2/NDF: 4604557.8/44

All: 3649.685+/-0.351 χ^2/NDF: 9822601.9/93

- sign 3627.671+/-0.489 χ^2/NDF: 5213869.9/48

asym_atr1l2_dd_mean vs Slug



Right In: -344.279+/-1194.240 χ^2/NDF: 21.3/19

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 666.280+/-1099.039 χ^2/NDF: 24.2/25

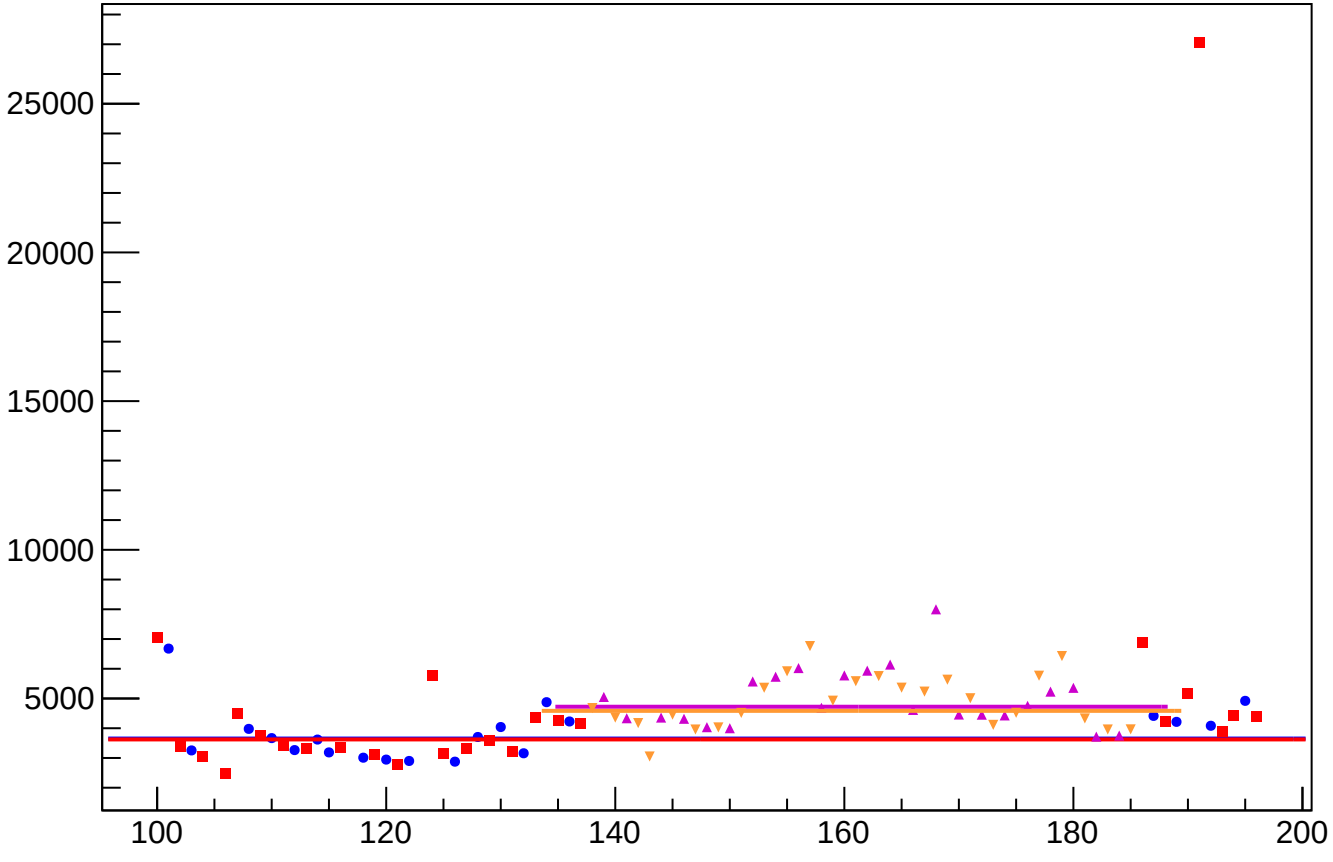
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign -18.769+/-794.702 χ^2/NDF: 53.6/44

All: 261.438+/-558.441 χ^2/NDF: 92.3/93

- sign 534.774+/-784.898 χ^2/NDF: 38.4/48

asym_atr1l2_dd_rms vs Slug



Right In: 3652.953+/-0.844 χ^2/NDF: 794569.6/19

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3623.673+/-0.769 χ^2/NDF: 1140635.2/25

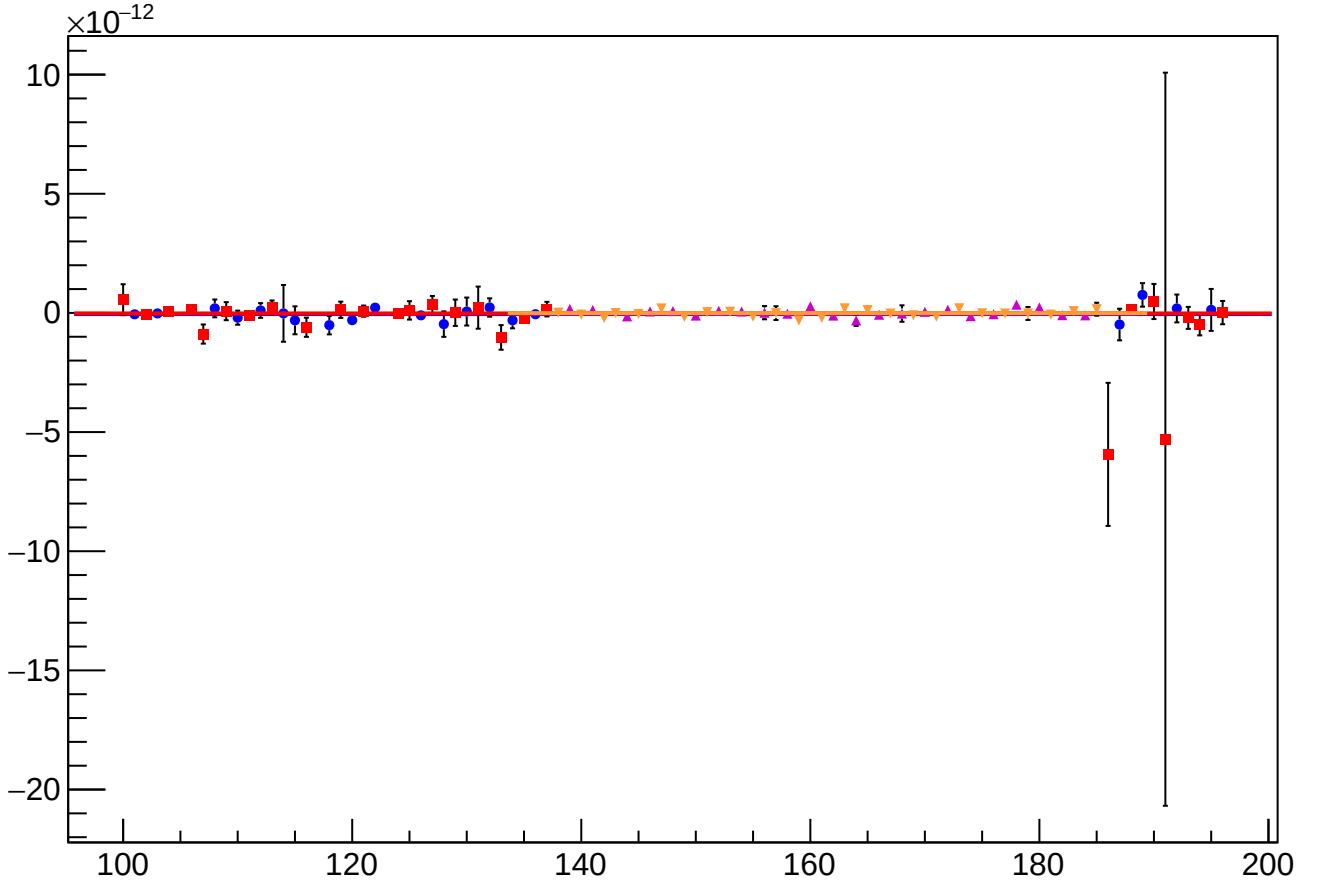
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4172.085+/-0.562 χ^2/NDF: 2784567.0/44

All: 4164.188+/-0.394 χ^2/NDF: 5932718.1/93

- sign 4156.566+/-0.552 χ^2/NDF: 3147763.0/48

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

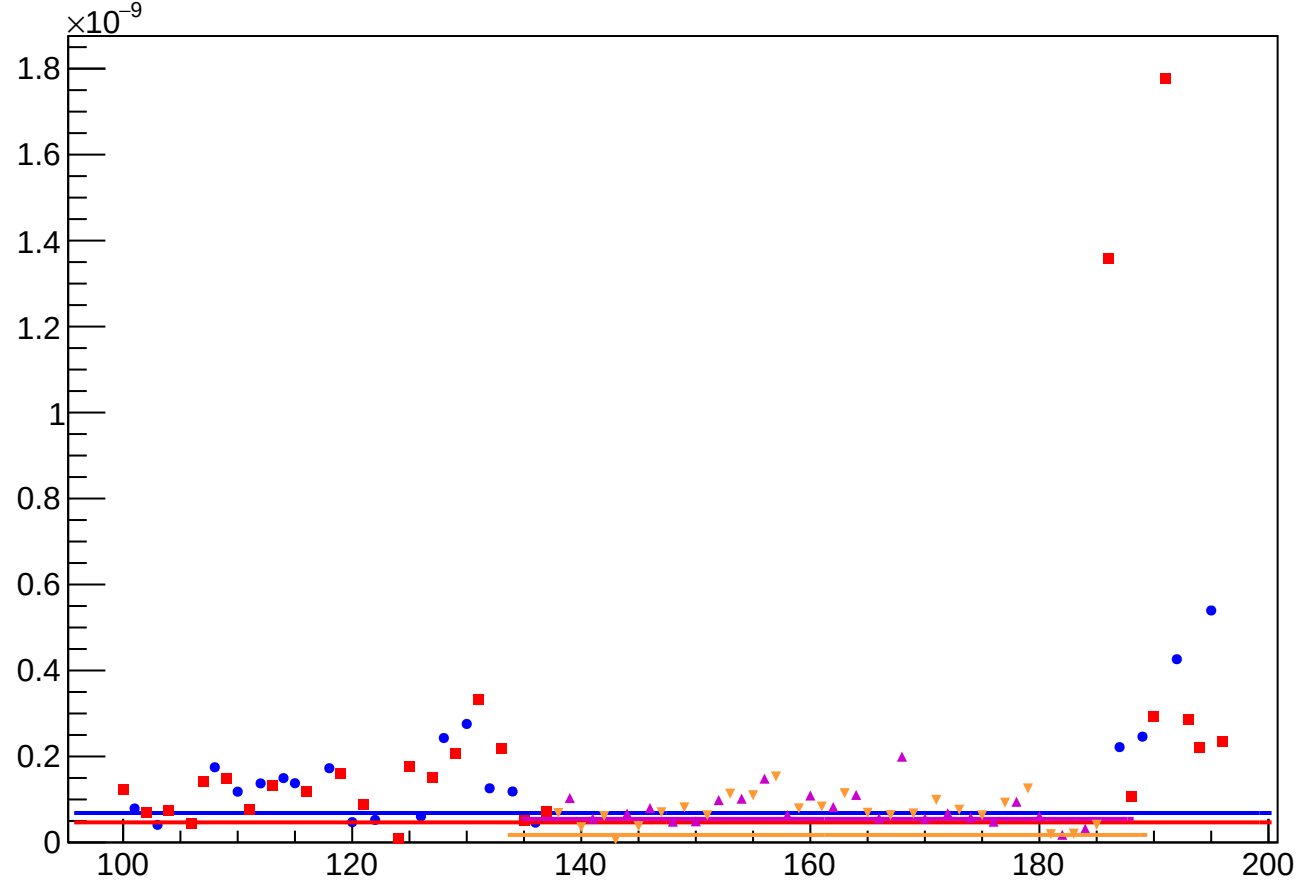
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/44

All: -0.000+/-0.000 χ^2/NDF: 86.3/93

- 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: 3148885.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5160524.7/25

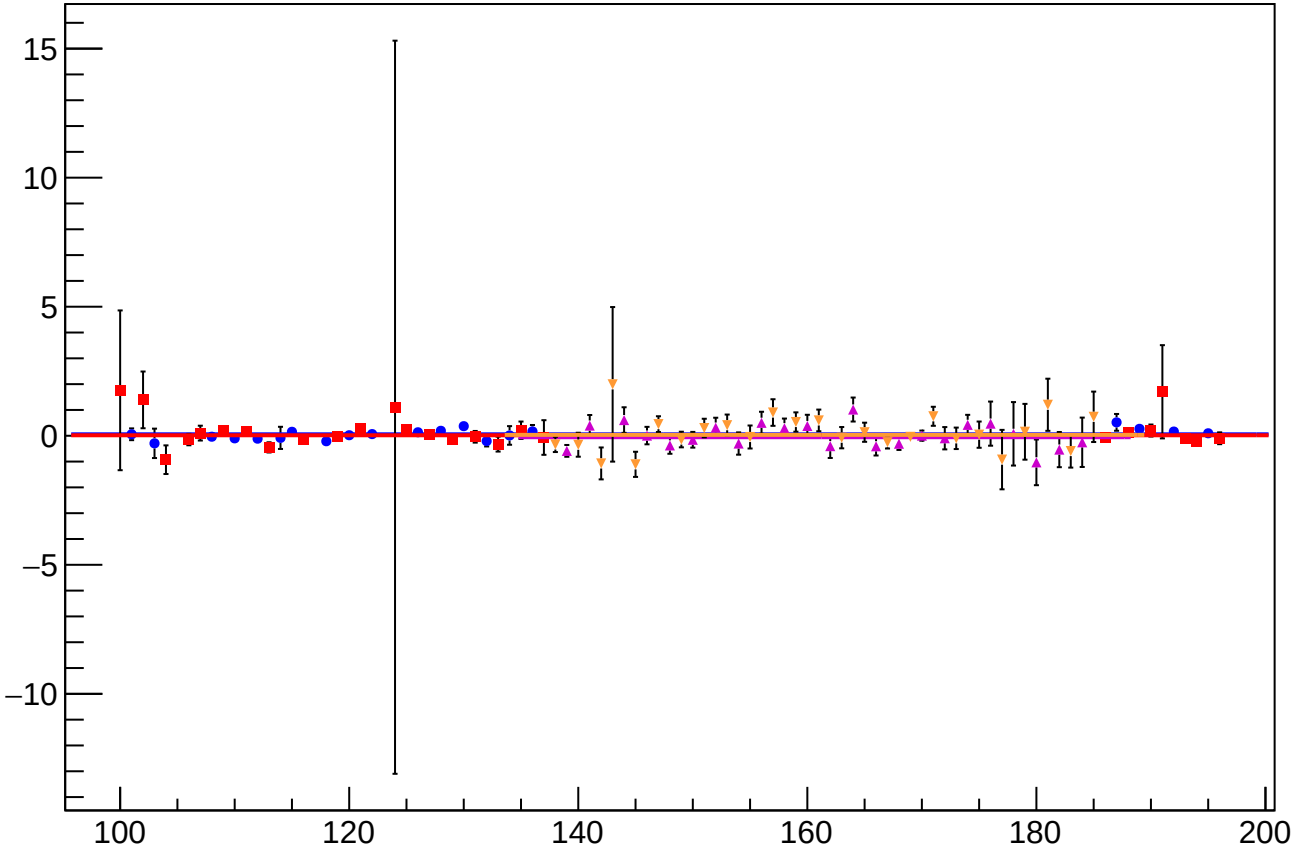
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14541892.2/44

All: 0.000+/-0.000 χ^2/NDF: 26493154.7/93

- sign 0.000+/-0.000 χ^2/NDF: 8032661.3/48

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

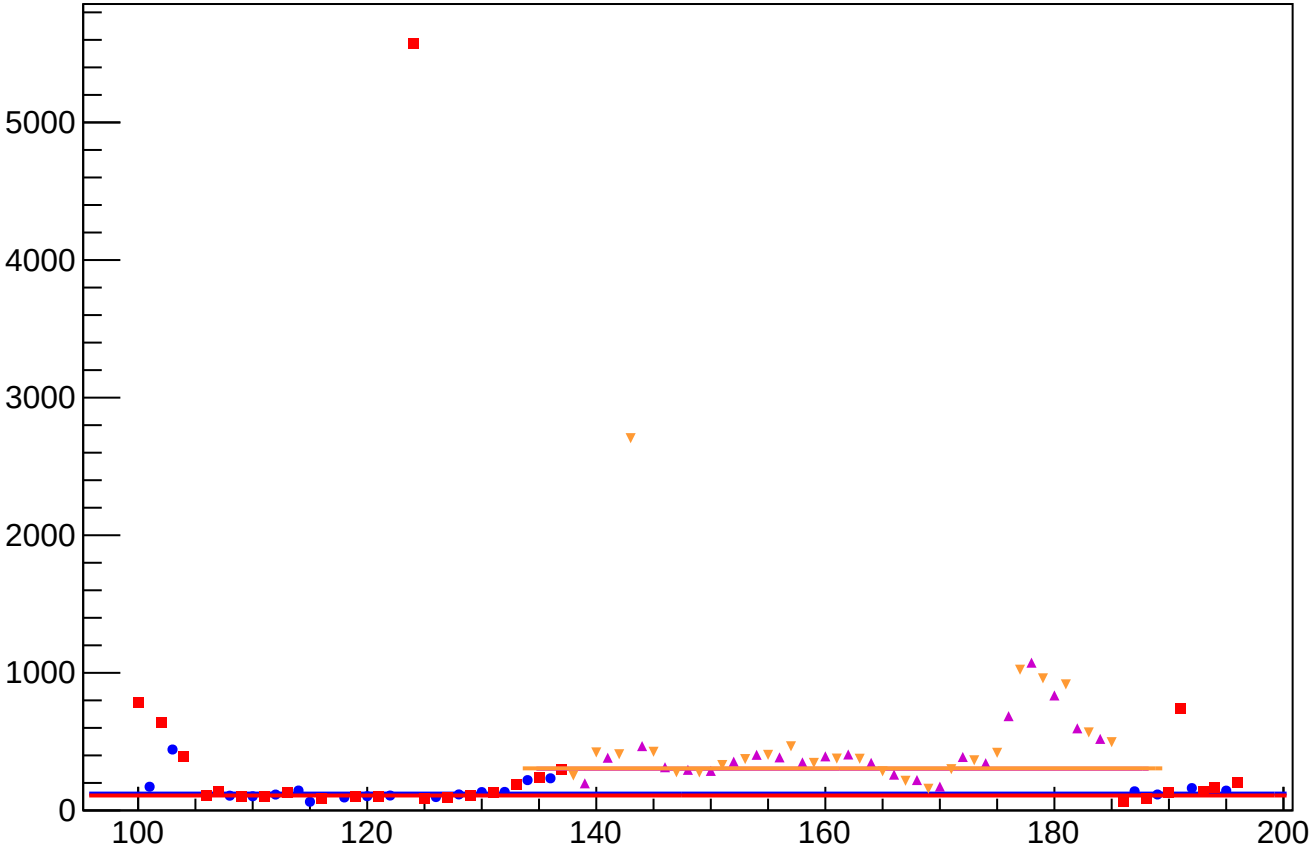
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.025+/-0.025 χ^2/NDF: 103.2/93

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 122.520+/-0.030 χ^2/NDF: 1897016.0/19

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 108.790+/-0.026 χ^2/NDF: 3551507.8/25

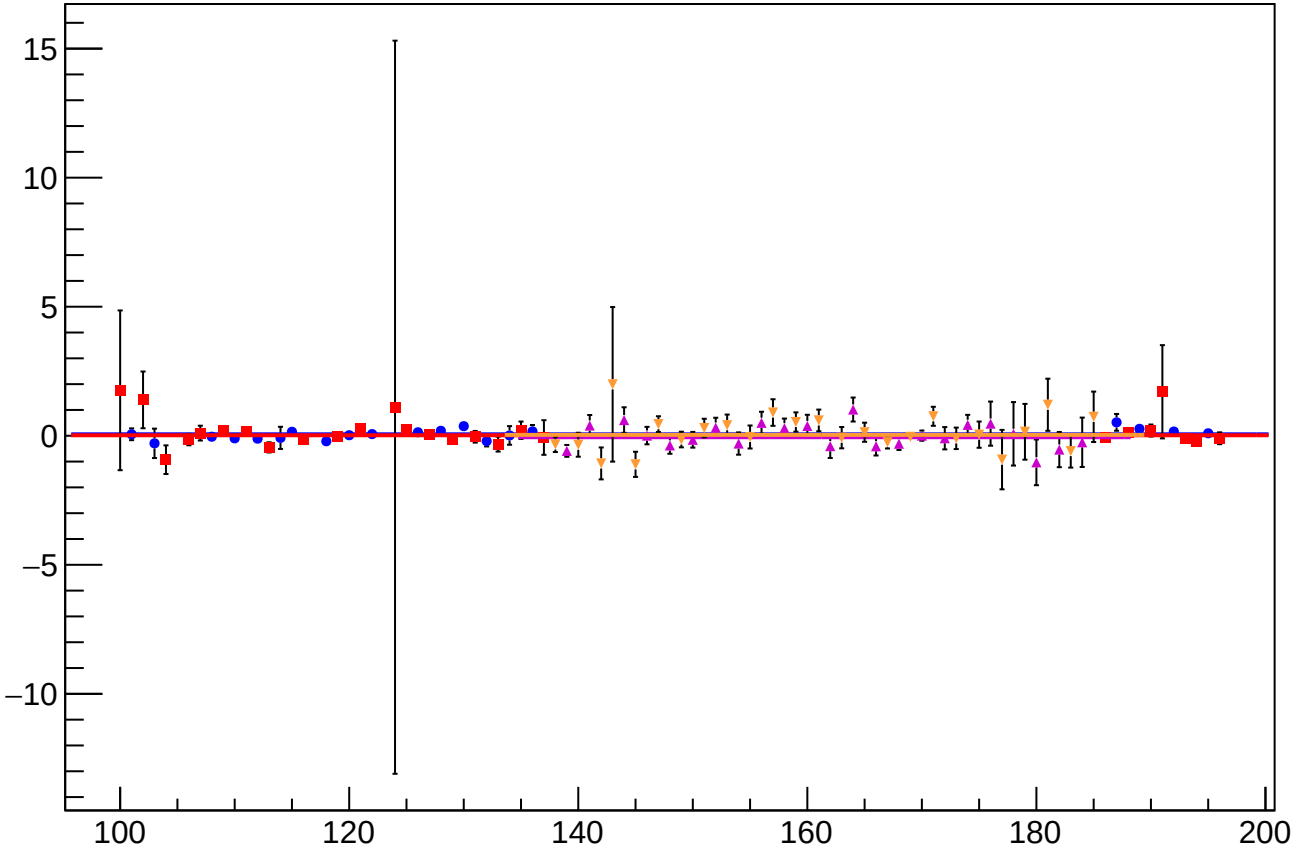
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.441+/-0.026 χ^2/NDF: 17078579.6/44

All: 152.666+/-0.017 χ^2/NDF: 36190594.5/93

- sign 143.595+/-0.023 χ^2/NDF: 18758352.1/48

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

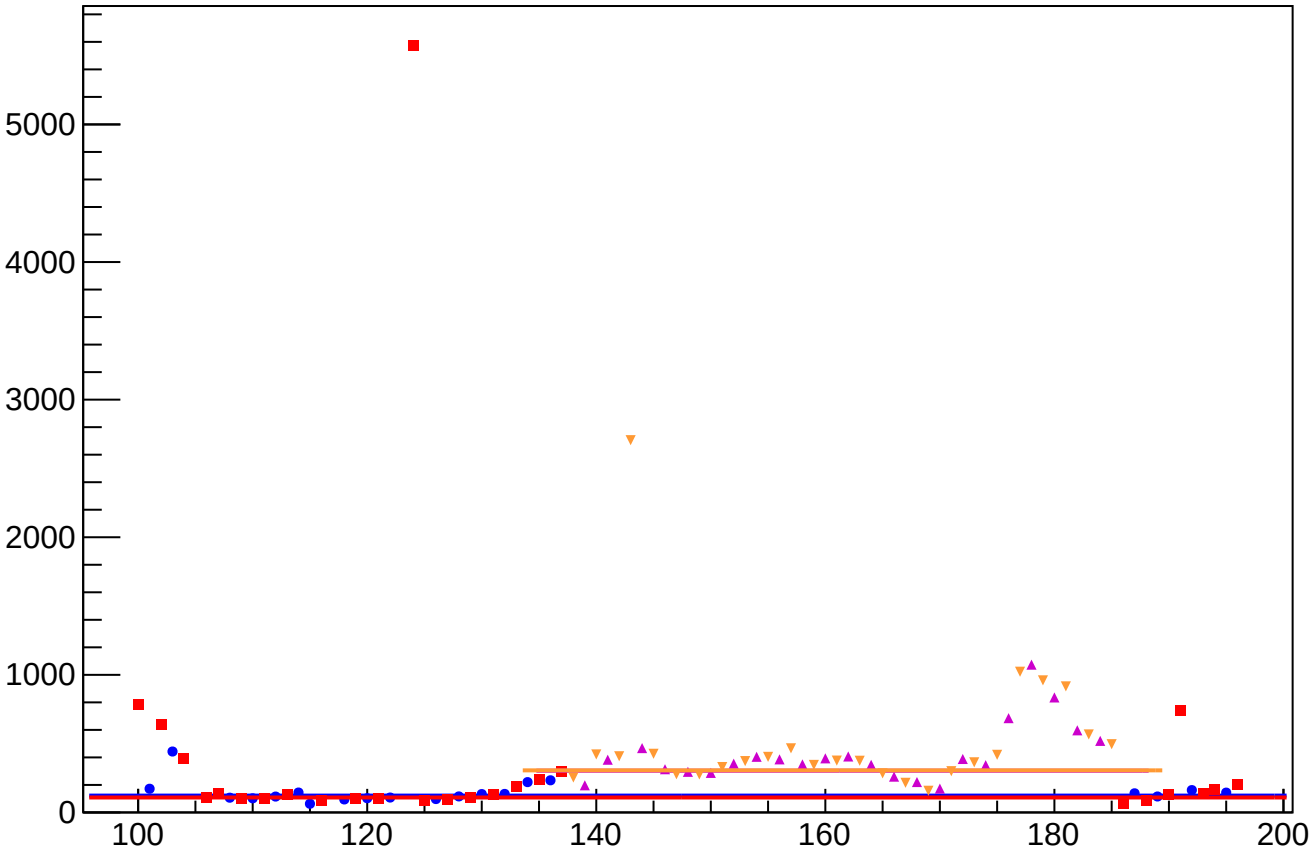
Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.025+/-0.025 χ^2/NDF: 103.2/93

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48



Right In: 122.520+/-0.030 χ^2/NDF: 1897016.0/19

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

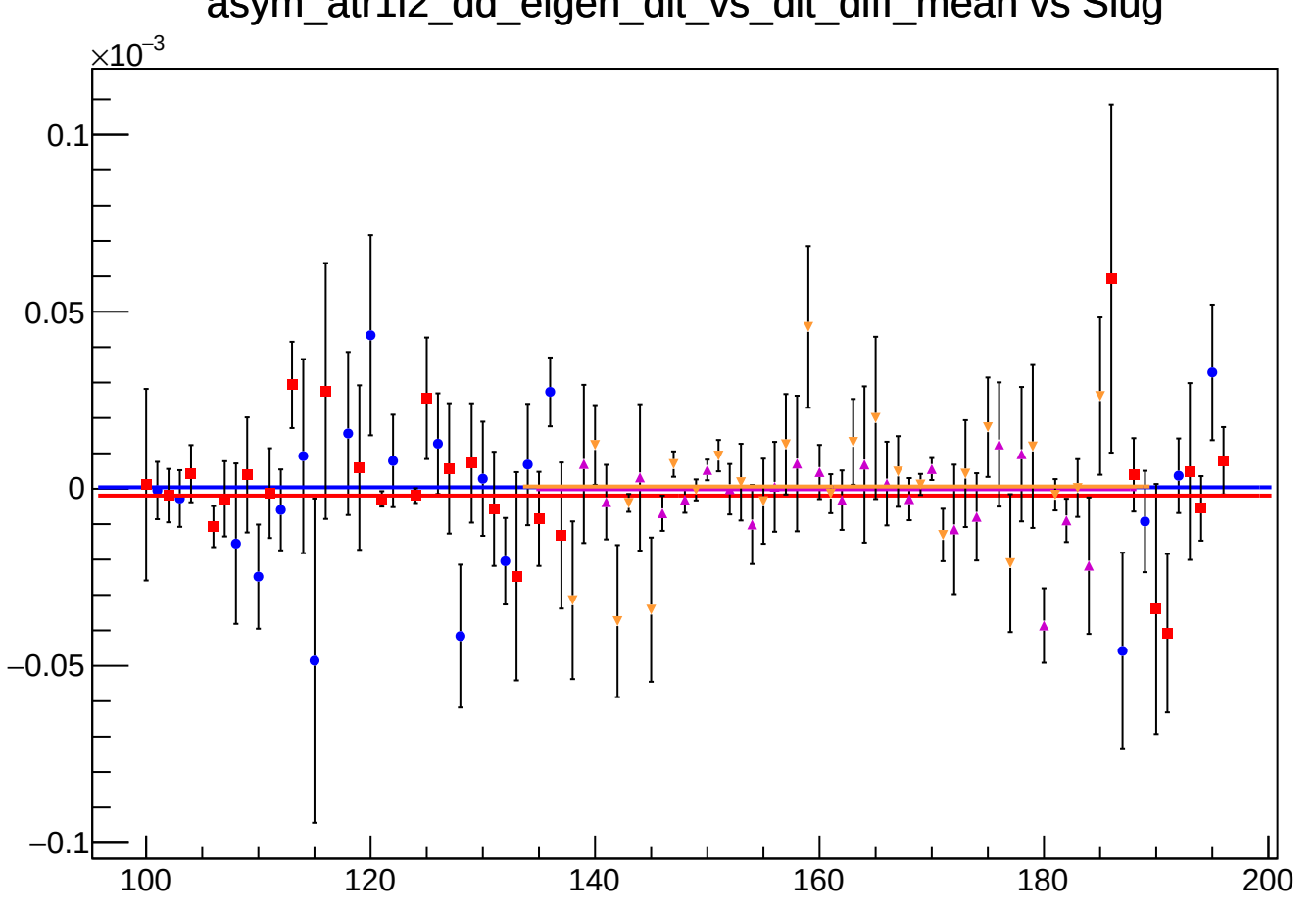
Right Out: 108.790+/-0.026 χ^2/NDF: 3551507.8/25

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

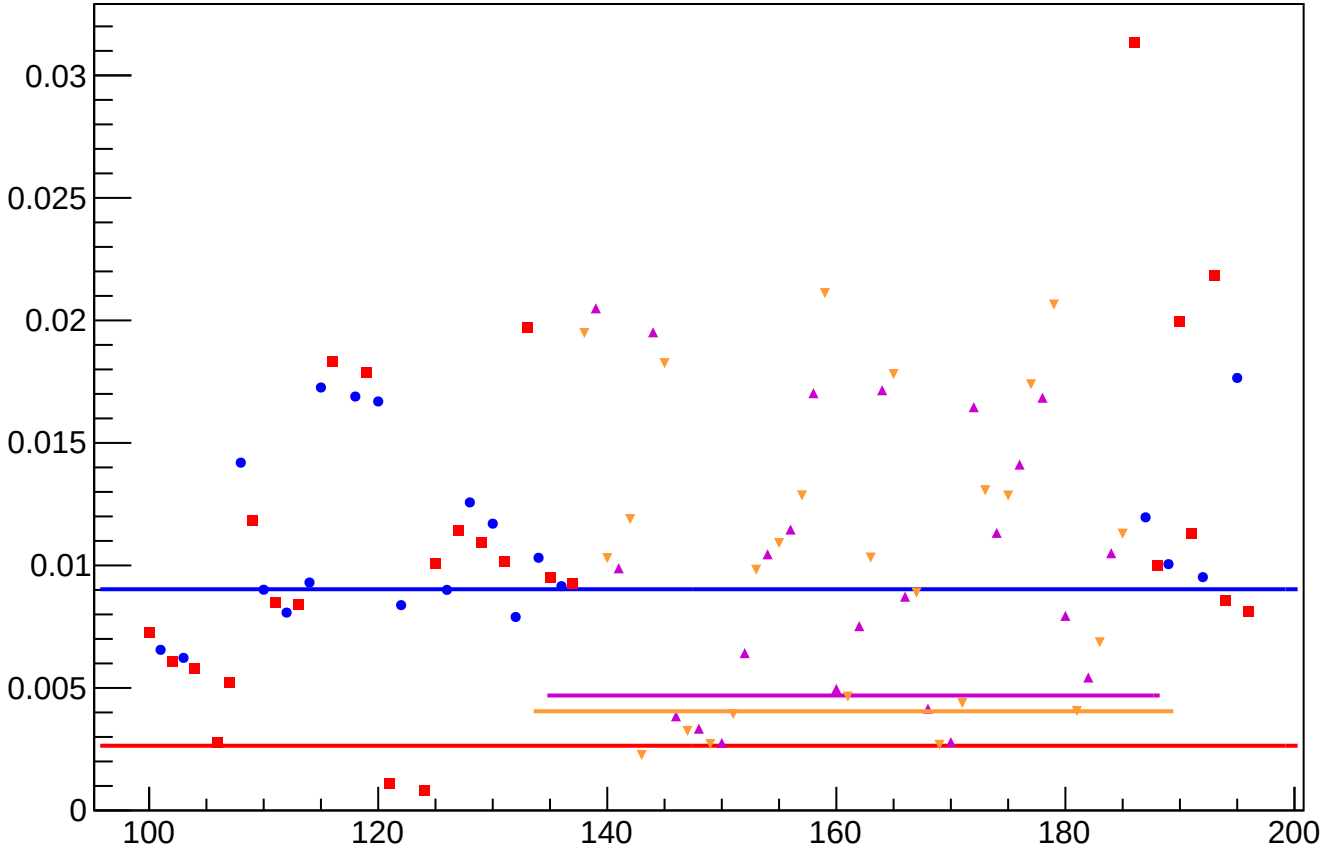
+ sign 164.441+/-0.026 χ^2/NDF: 17078579.6/44

All: 152.666+/-0.017 χ^2/NDF: 36190594.5/93

- sign 143.595+/-0.023 χ^2/NDF: 18758352.1/48


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.3/19
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.8/25
Left In: -0.000+/-0.000 χ²/NDF:29.8/22
+ sign 0.000+/-0.000 χ²/NDF: 64.9/44
All: -0.000+/-0.000 χ²/NDF: 118.8/93
- sign -0.000+/-0.000 χ²/NDF: 52.5/48

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1587875.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

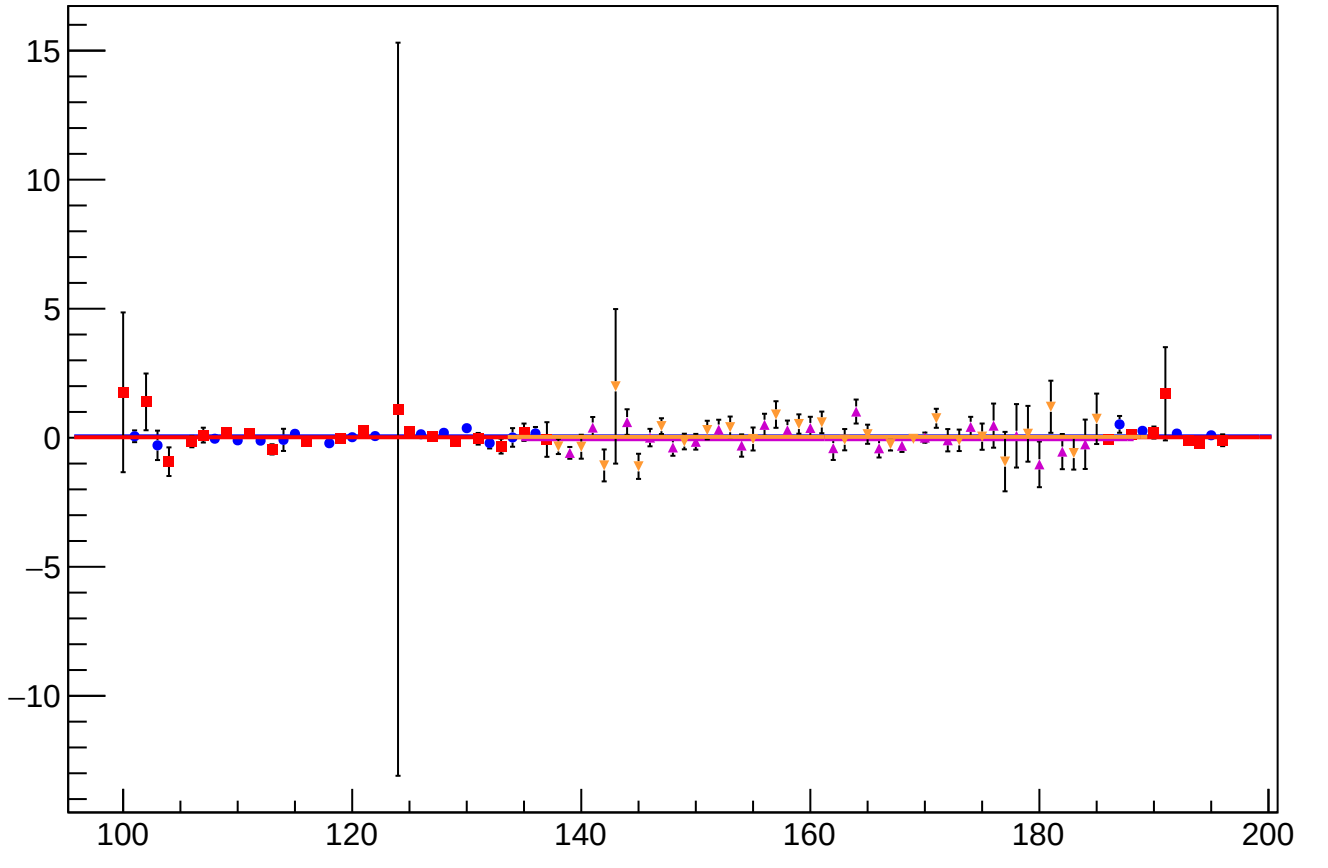
Right Out: 0.003+/-0.000 χ^2/NDF: 14522351.7/25

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 19698035.3/44

All: 0.004+/-0.000 χ^2/NDF: 48549964.8/93

- sign 0.004+/-0.000 χ^2/NDF: 27692526.7/48



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

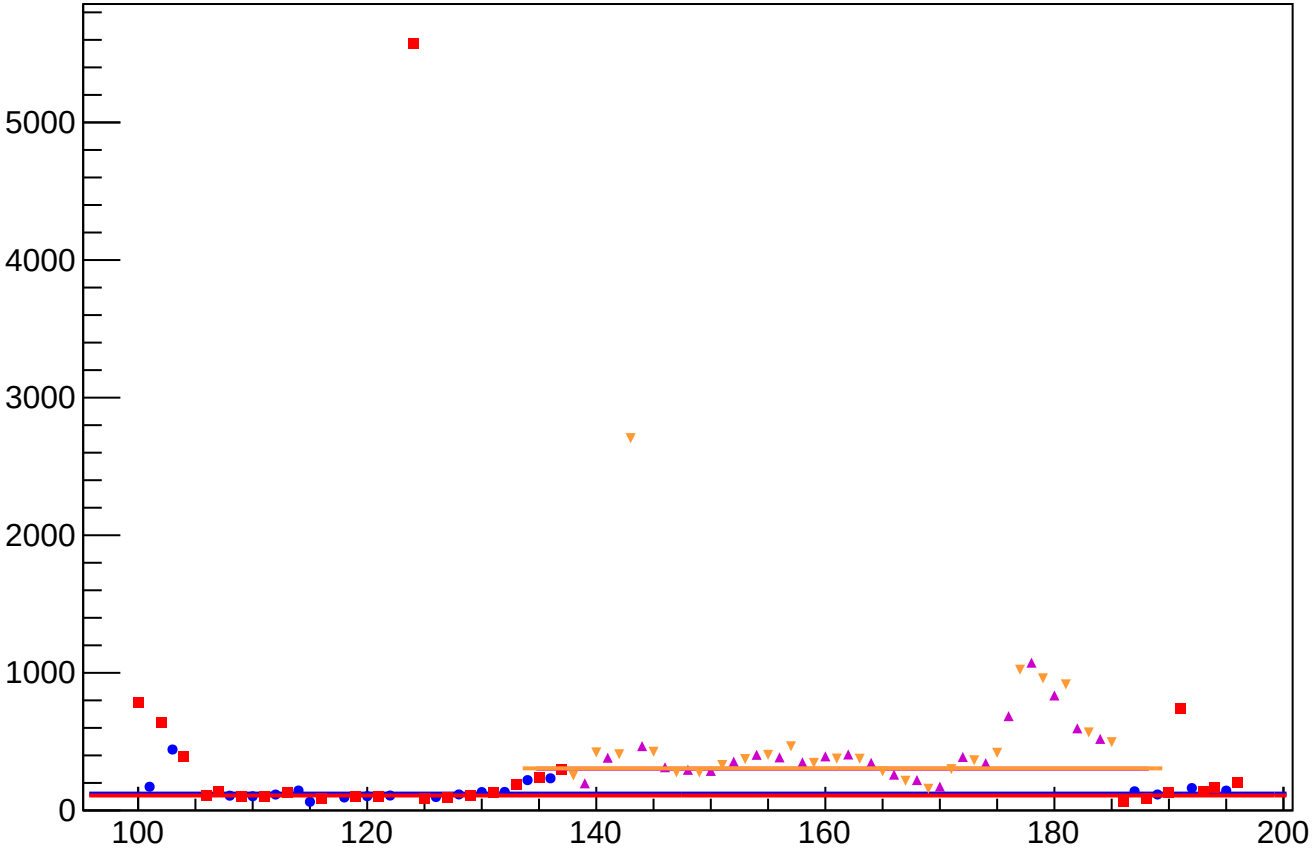
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.025+/-0.025 χ^2/NDF: 103.2/93

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 122.521+/-0.030 χ^2/NDF: 1896996.3/19

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

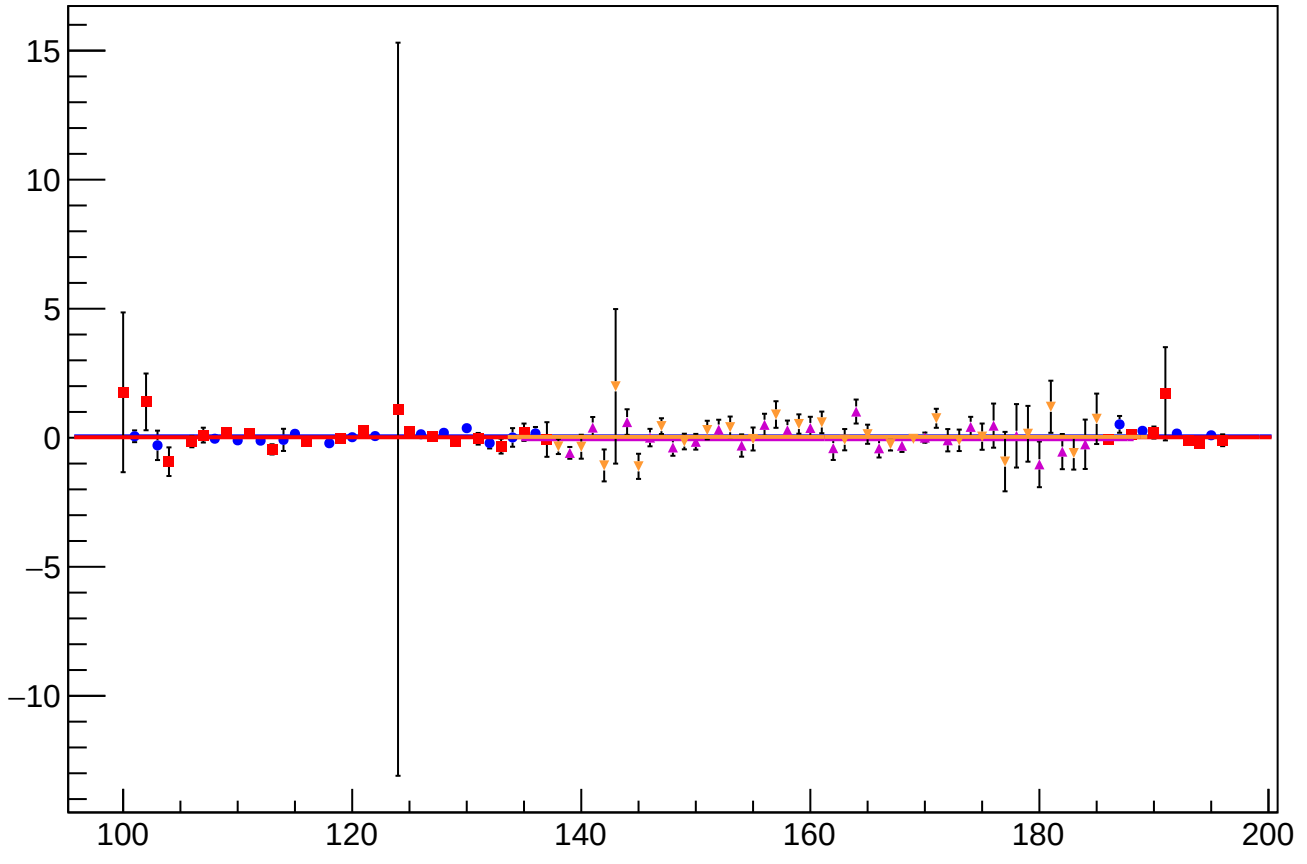
Right Out: 108.791+/-0.026 χ^2/NDF: 3551343.6/25

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.442+/-0.026 χ^2/NDF: 17078643.4/44

All: 152.667+/-0.017 χ^2/NDF: 36190496.8/93

- sign 143.596+/-0.023 χ^2/NDF: 18758205.0/48



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

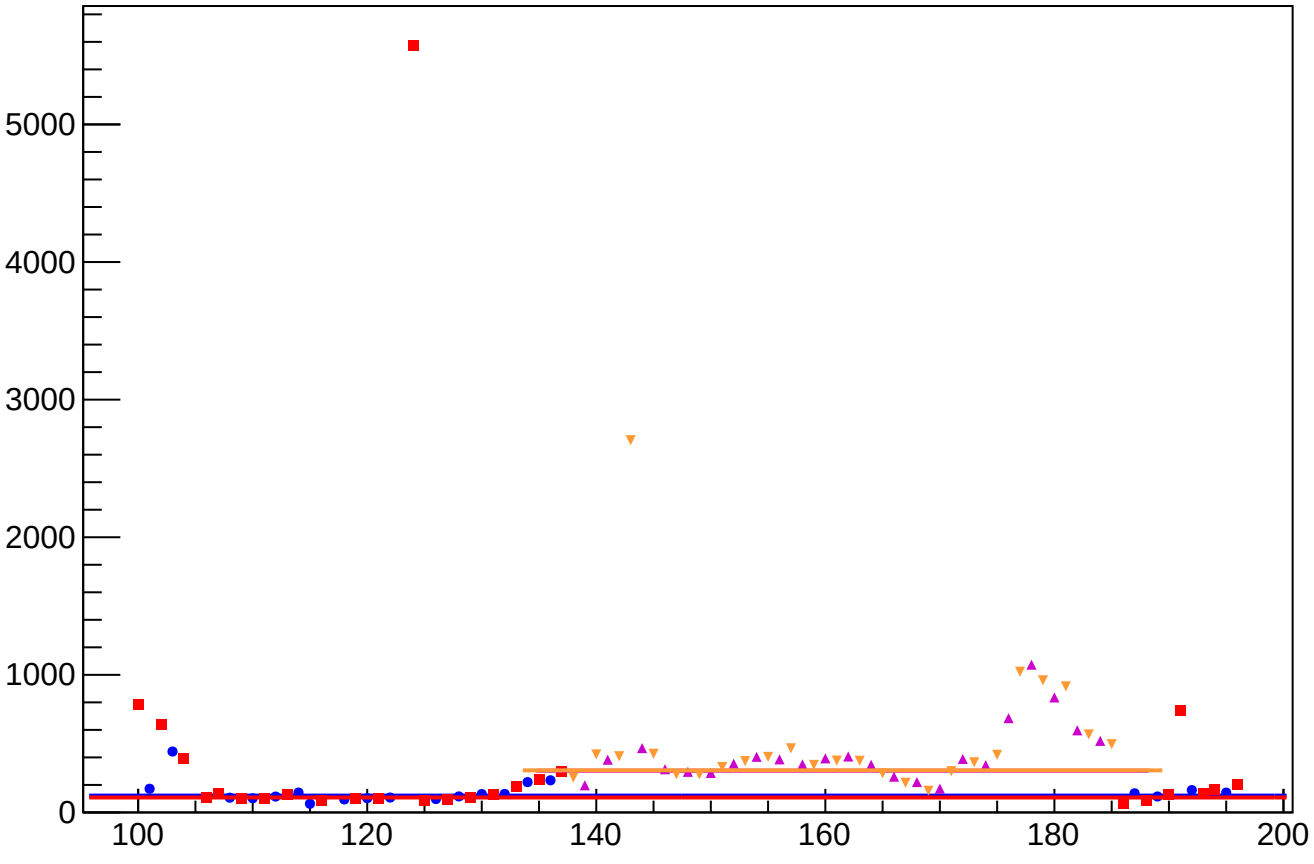
Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.025+/-0.025 χ^2/NDF: 103.2/93

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48



Right In: 122.521+/-0.030 χ^2/NDF: 1896996.3/19

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

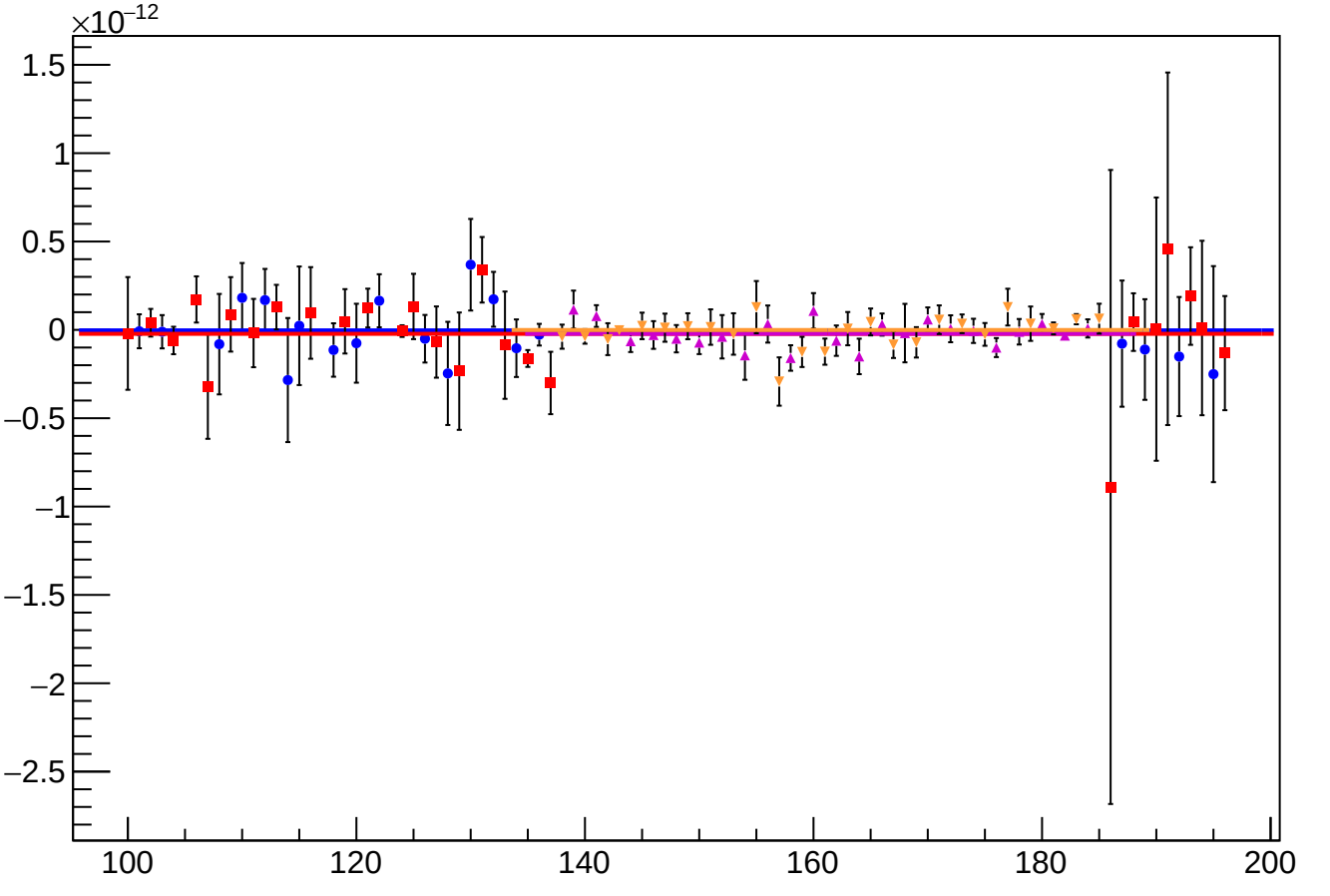
Right Out: 108.791+/-0.026 χ^2/NDF: 3551343.6/25

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.442+/-0.026 χ^2/NDF: 17078643.4/44

All: 152.667+/-0.017 χ^2/NDF: 36190496.8/93

- sign 143.596+/-0.023 χ^2/NDF: 18758205.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

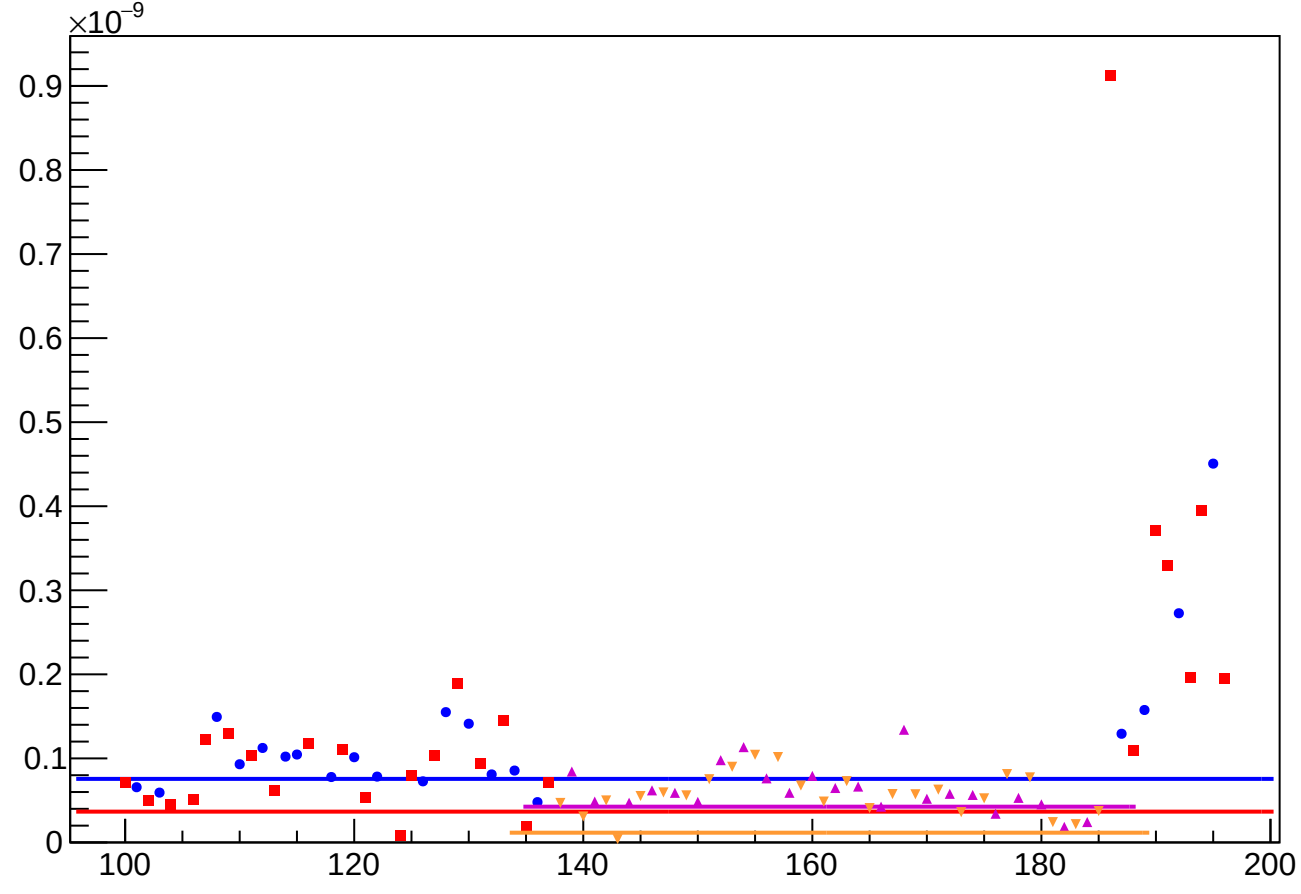
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/25

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.7/44

All: -0.000+/-0.000 χ^2/NDF: 79.6/93

- sign -0.000+/-0.000 χ^2/NDF: 45.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 2712167.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8178712.2/25

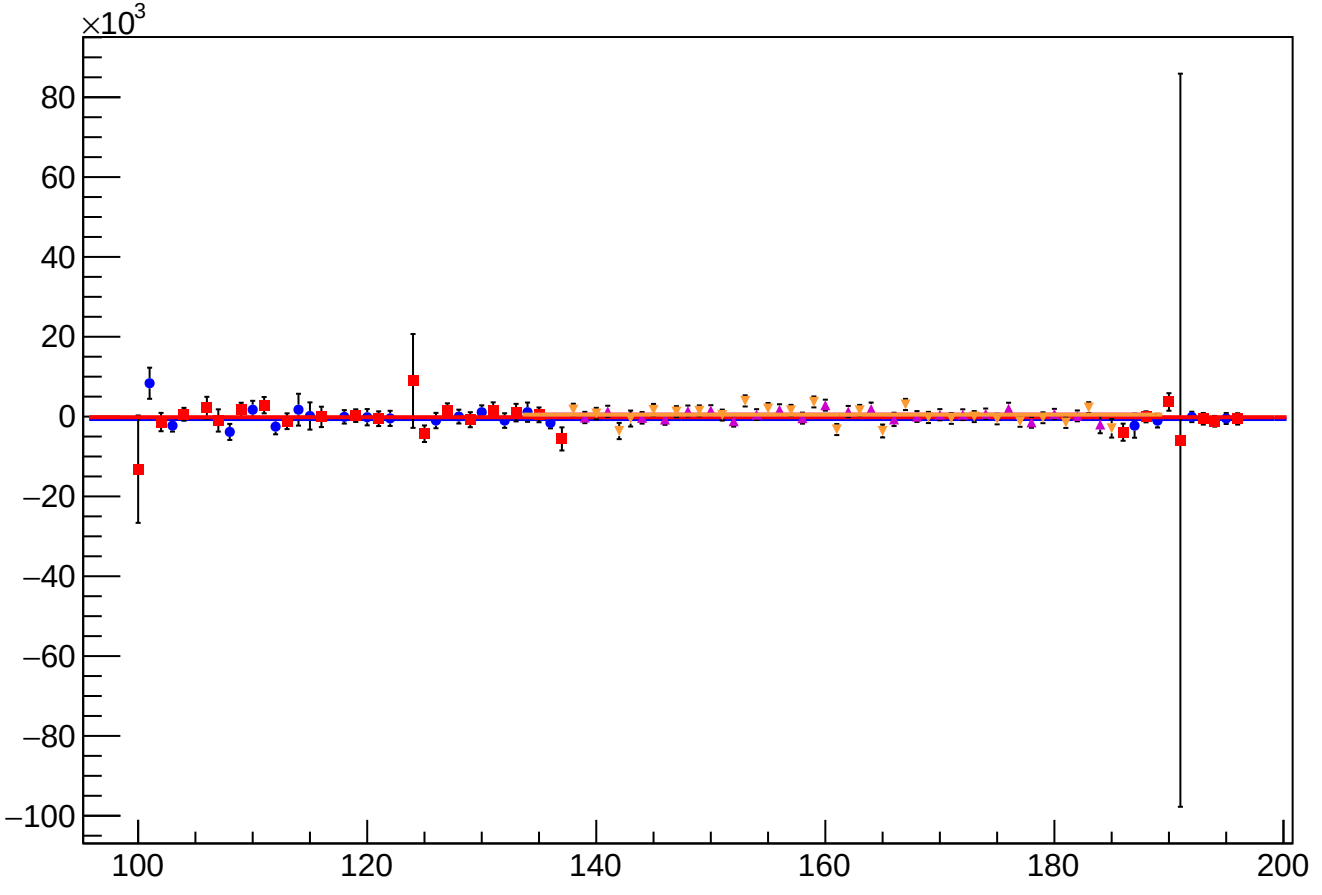
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27530634.6/44

All: 0.000+/-0.000 χ^2/NDF: 50618626.5/93

- sign 0.000+/-0.000 χ^2/NDF: 13709293.9/48

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

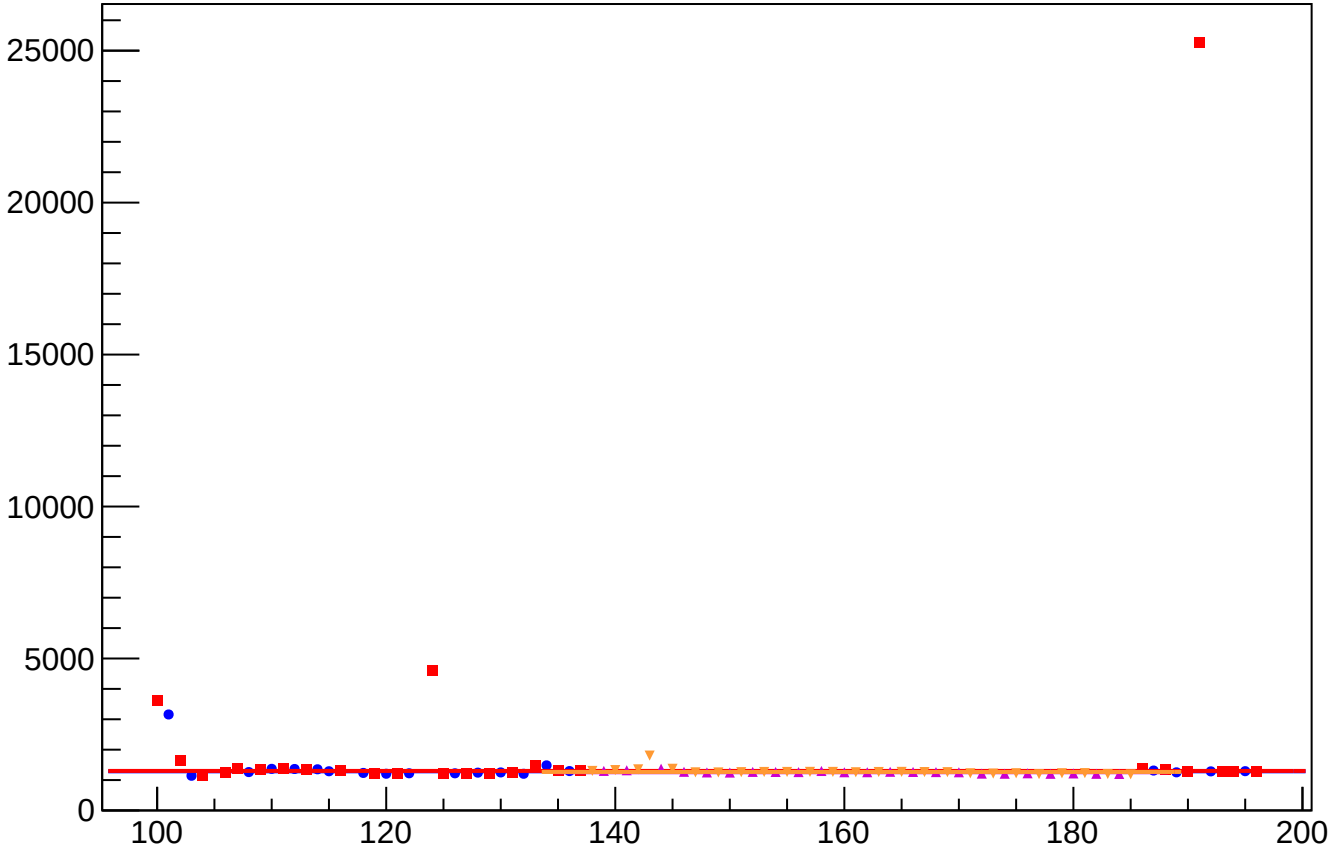
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 193.493+/-166.594 χ^2/NDF: 105.3/93

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

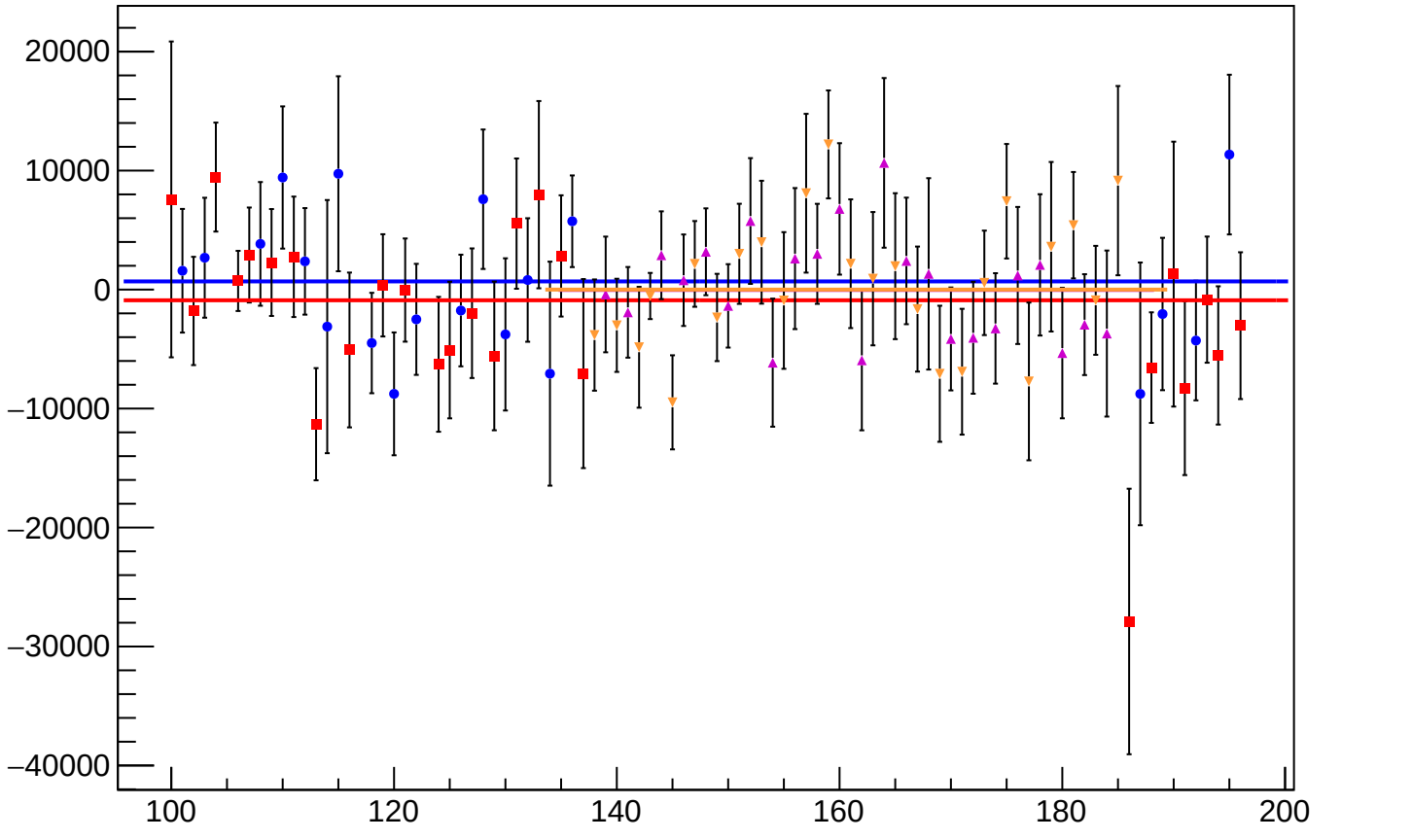
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.526+/-0.118 χ^2/NDF: 1224965.3/93

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

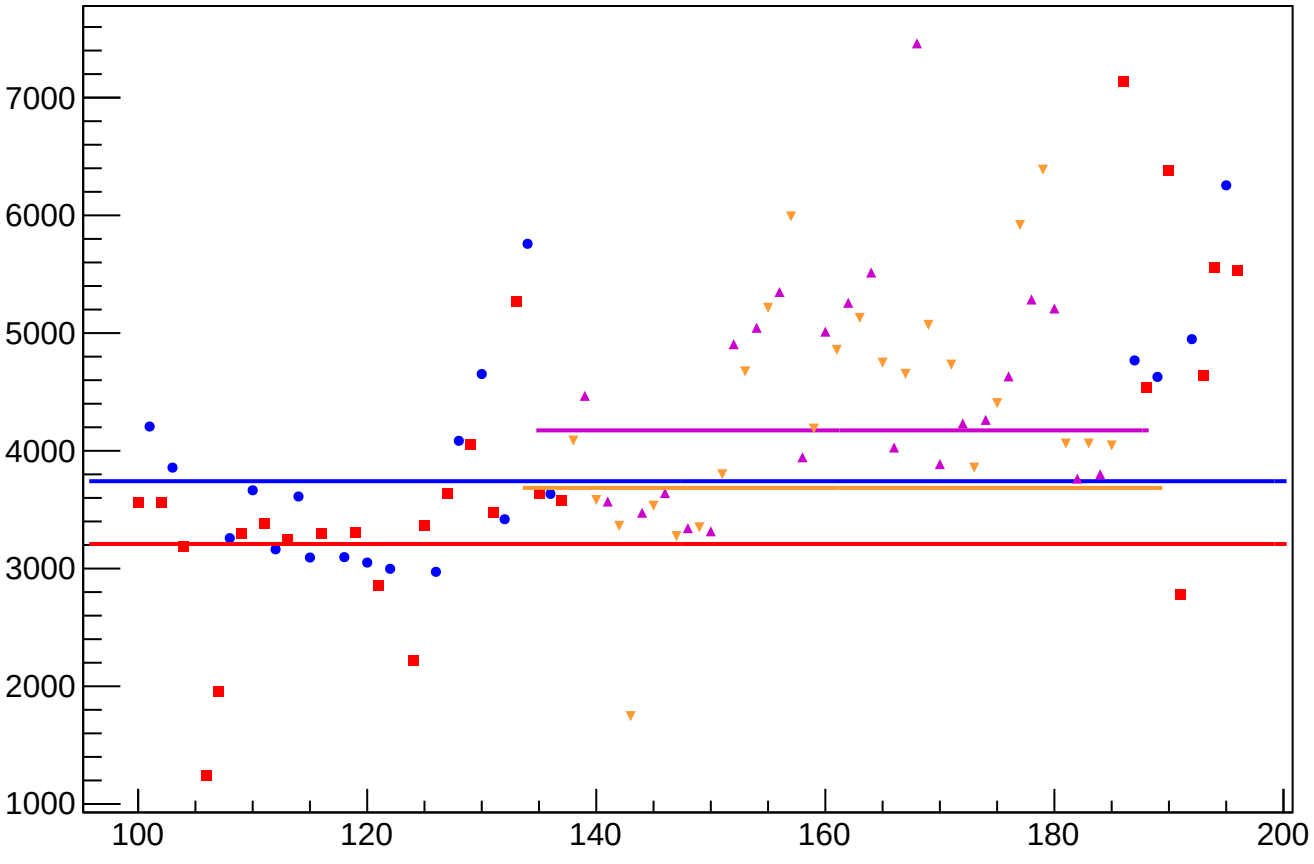
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 235.023+/-718.659 χ^2/NDF: 47.7/44

All: -117.374+/-504.540 χ^2/NDF: 90.9/93

- sign -459.882+/-708.503 χ^2/NDF: 42.7/48



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3208.734+/-0.713 χ^2/NDF: 3048047.1/25

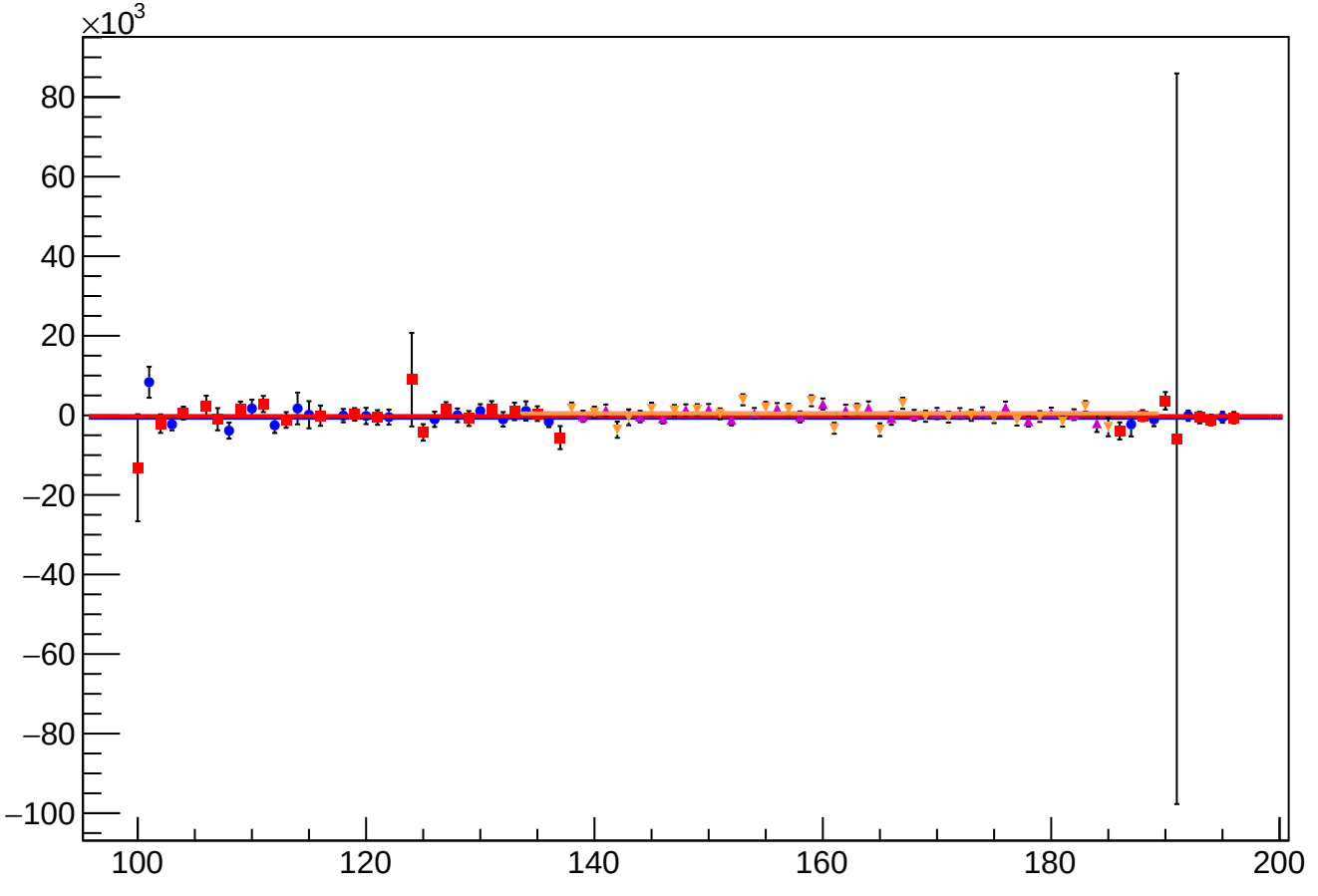
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3700.938+/-0.357 χ^2/NDF: 9814535.2/93

- sign 3697.589+/-0.501 χ^2/NDF: 5250067.8/48

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

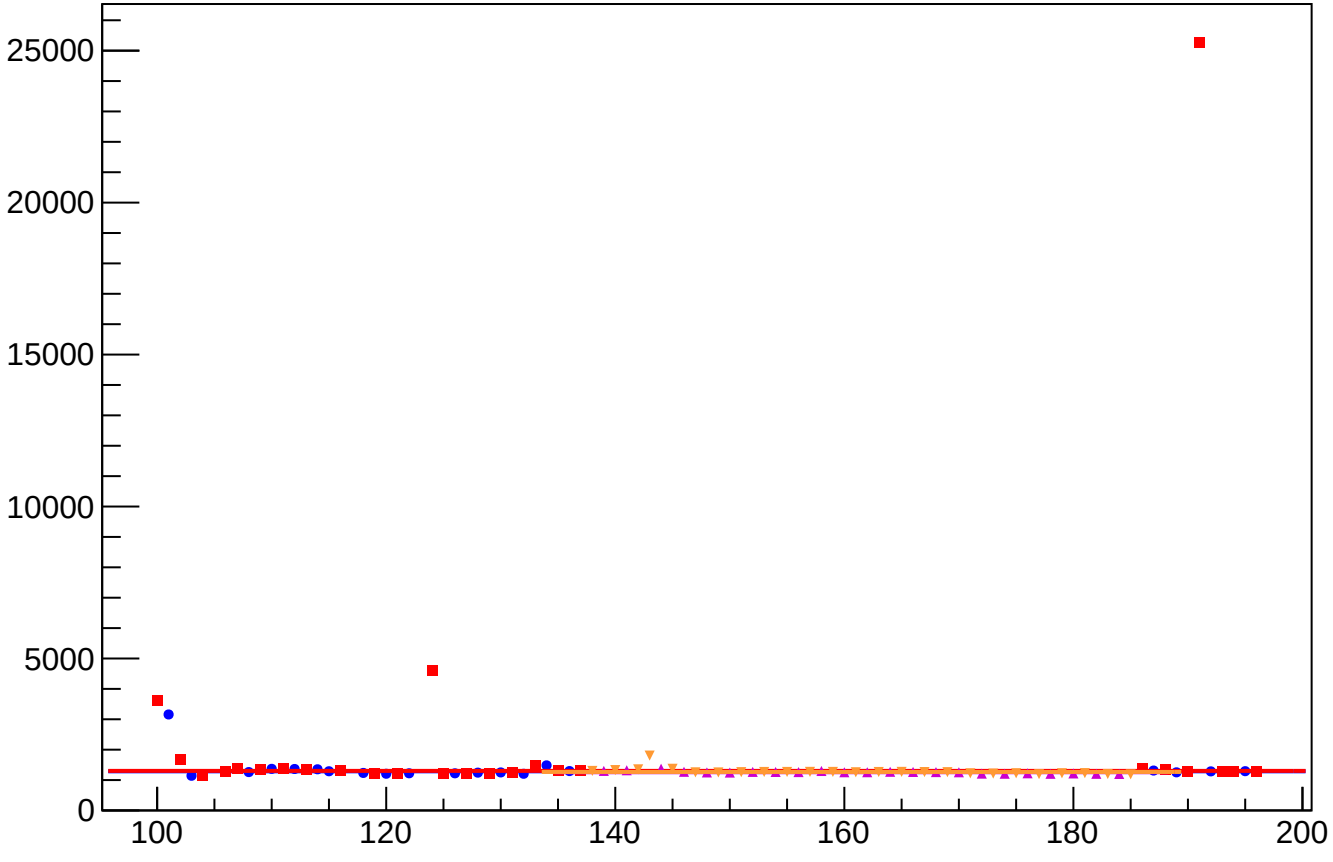
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

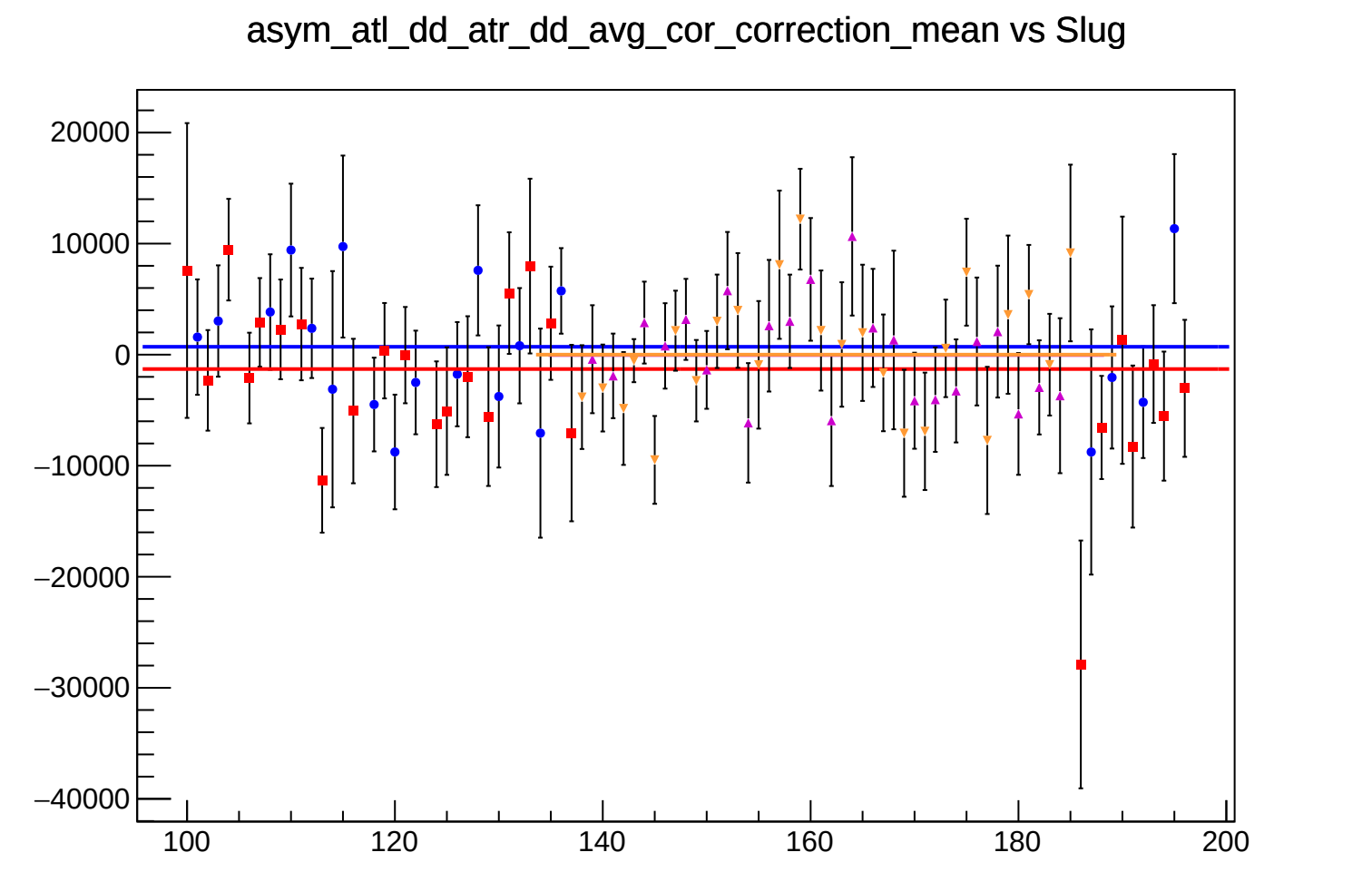
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

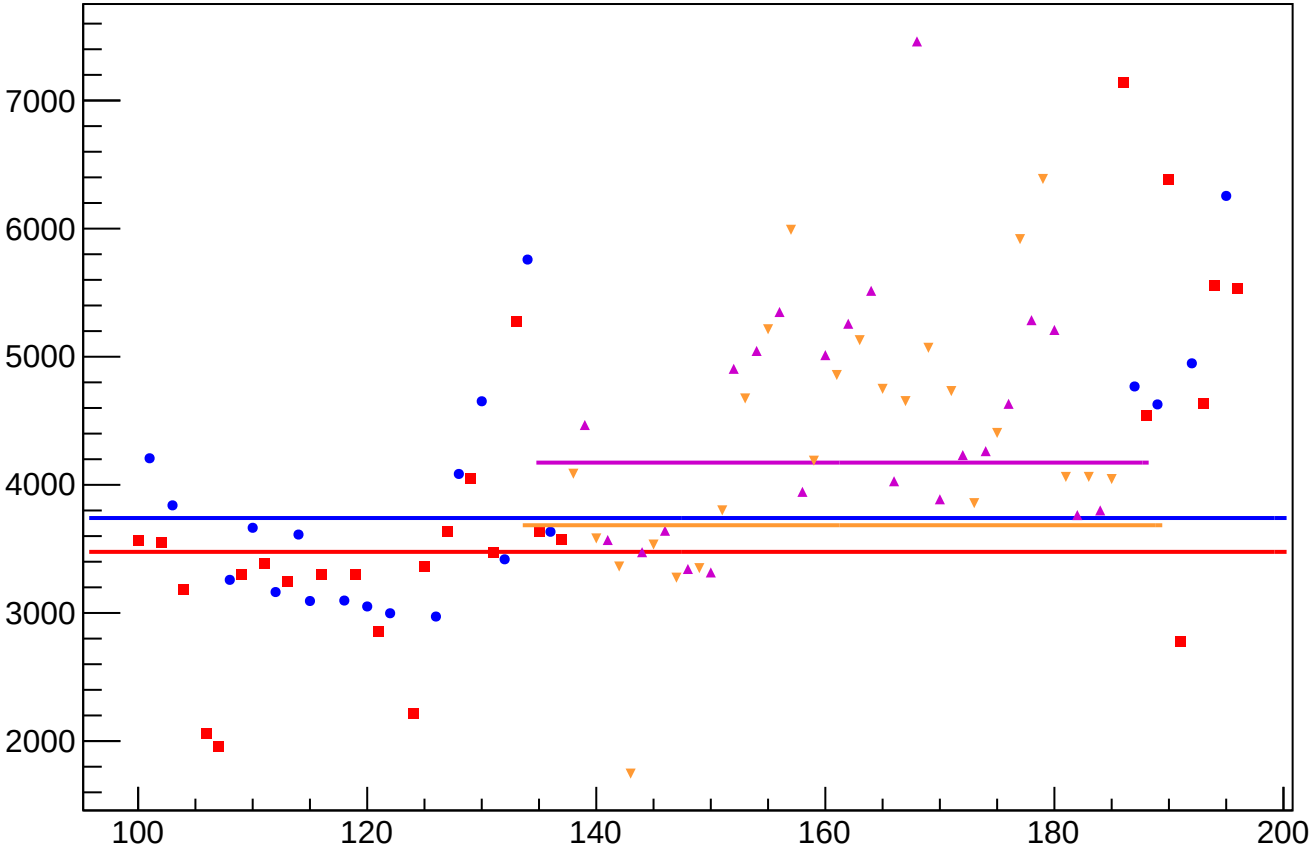
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -185.572+/-510.773 χ^2/NDF: 91.2/93

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

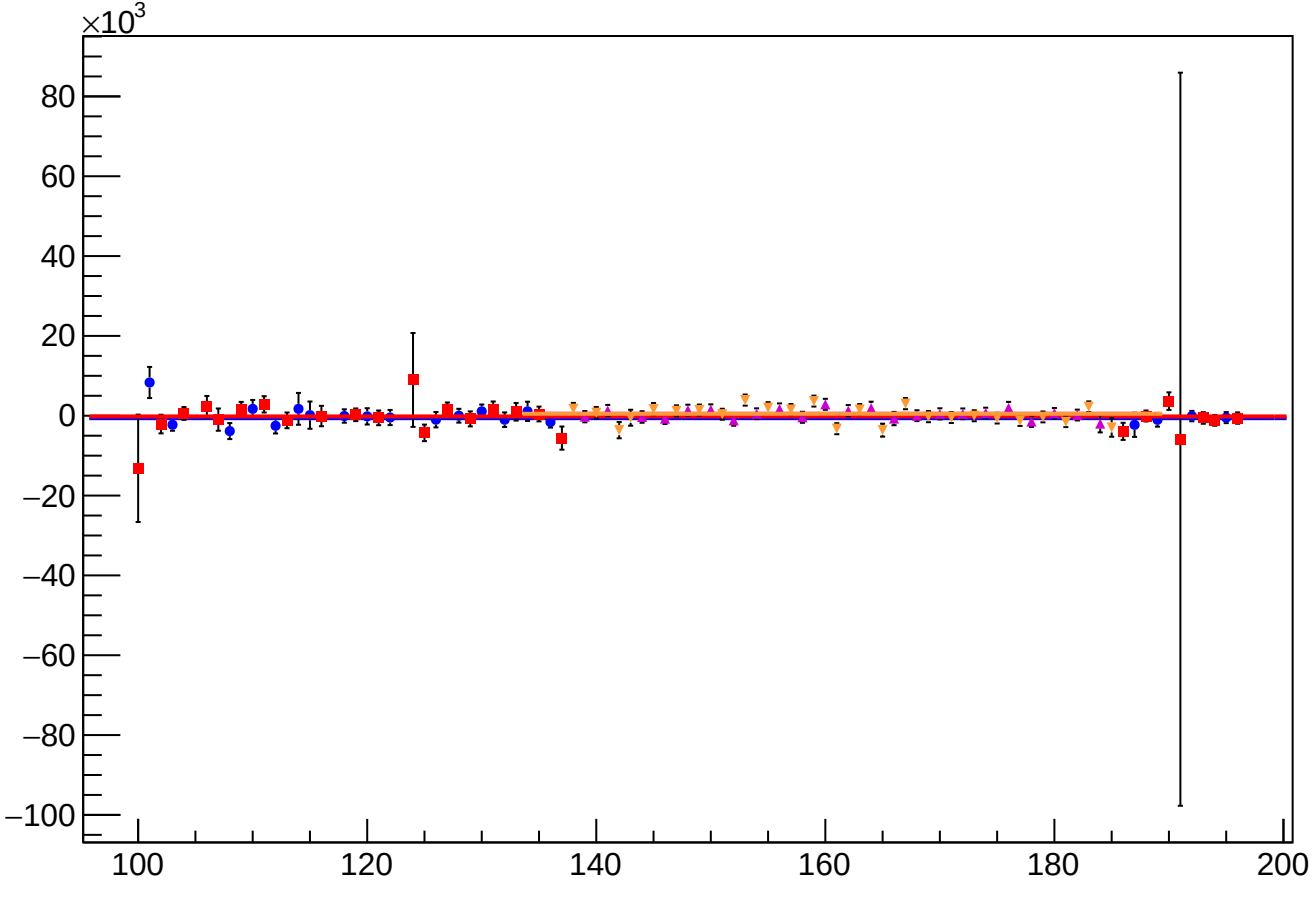
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

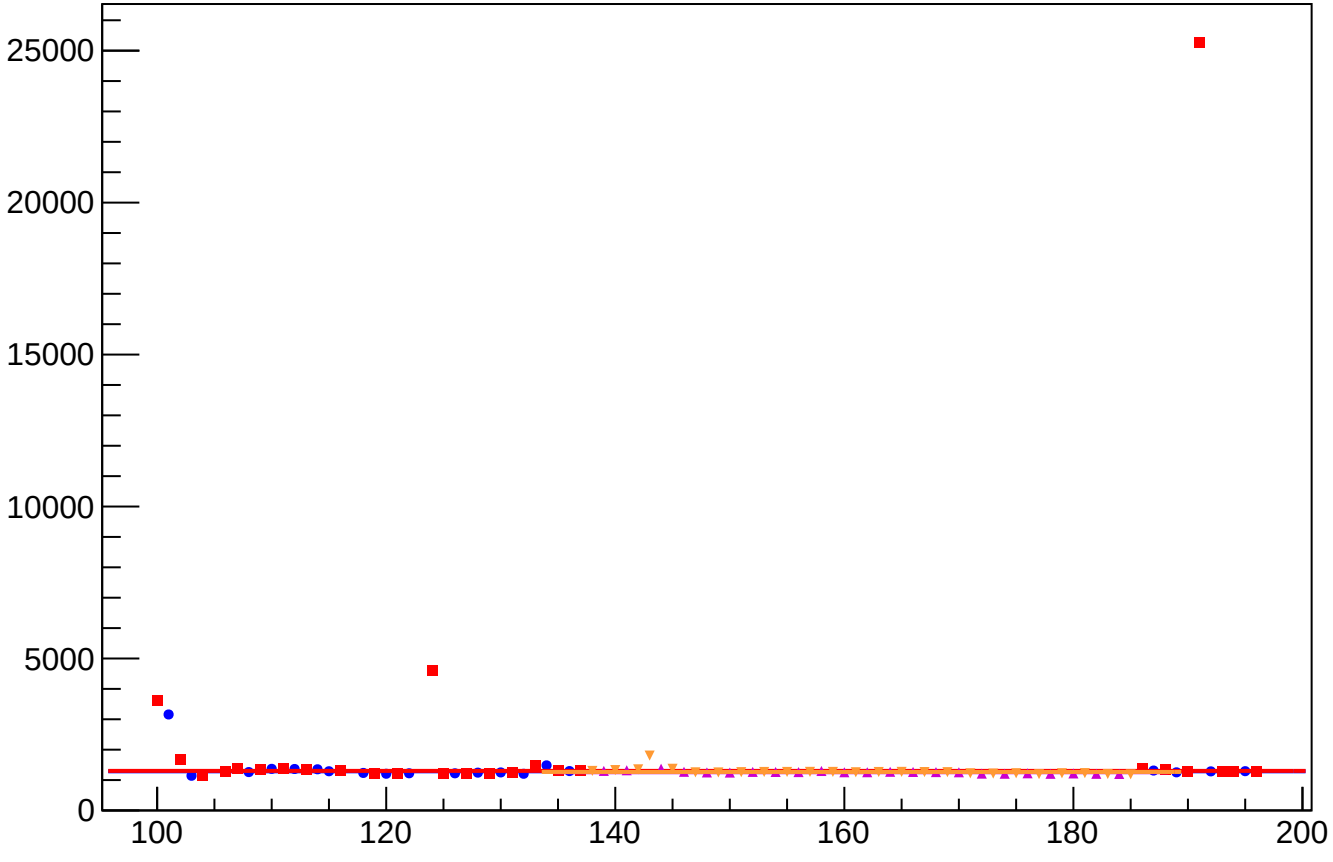
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

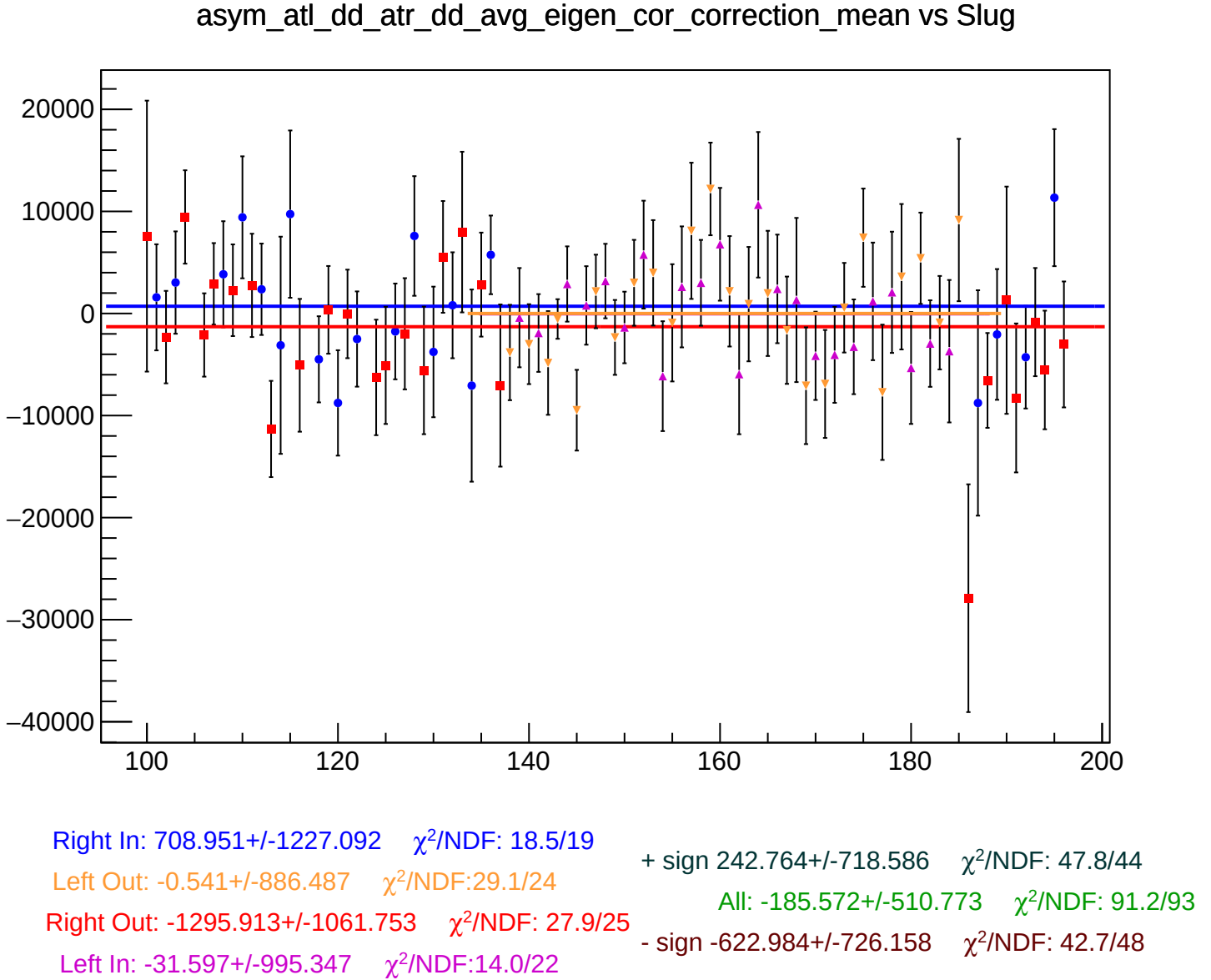
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

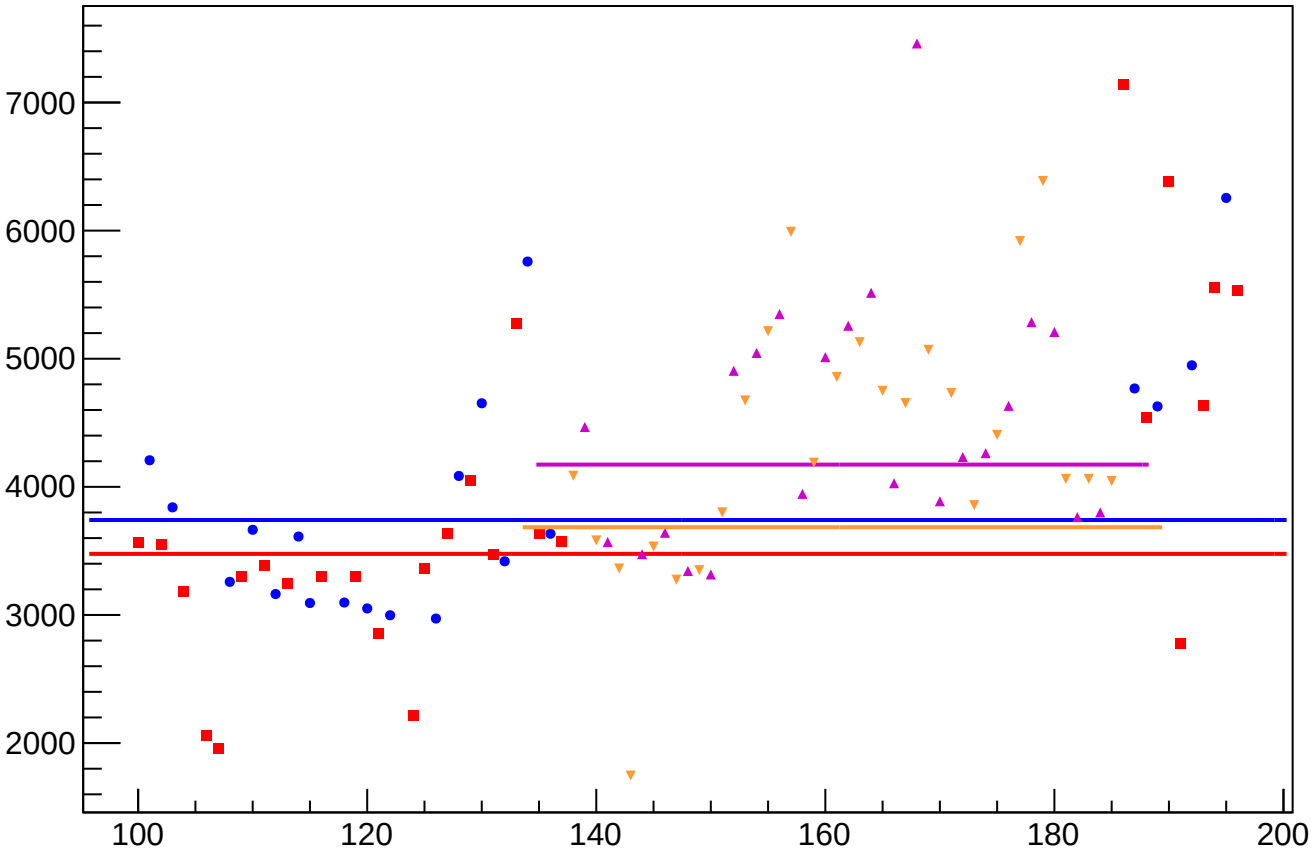
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 708.951+/-1227.092 χ²/NDF: 18.5/19
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 242.764+/-718.586 χ²/NDF: 47.8/44
All: -185.572+/-510.773 χ²/NDF: 91.2/93
- sign -622.984+/-726.158 χ²/NDF: 42.7/48



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

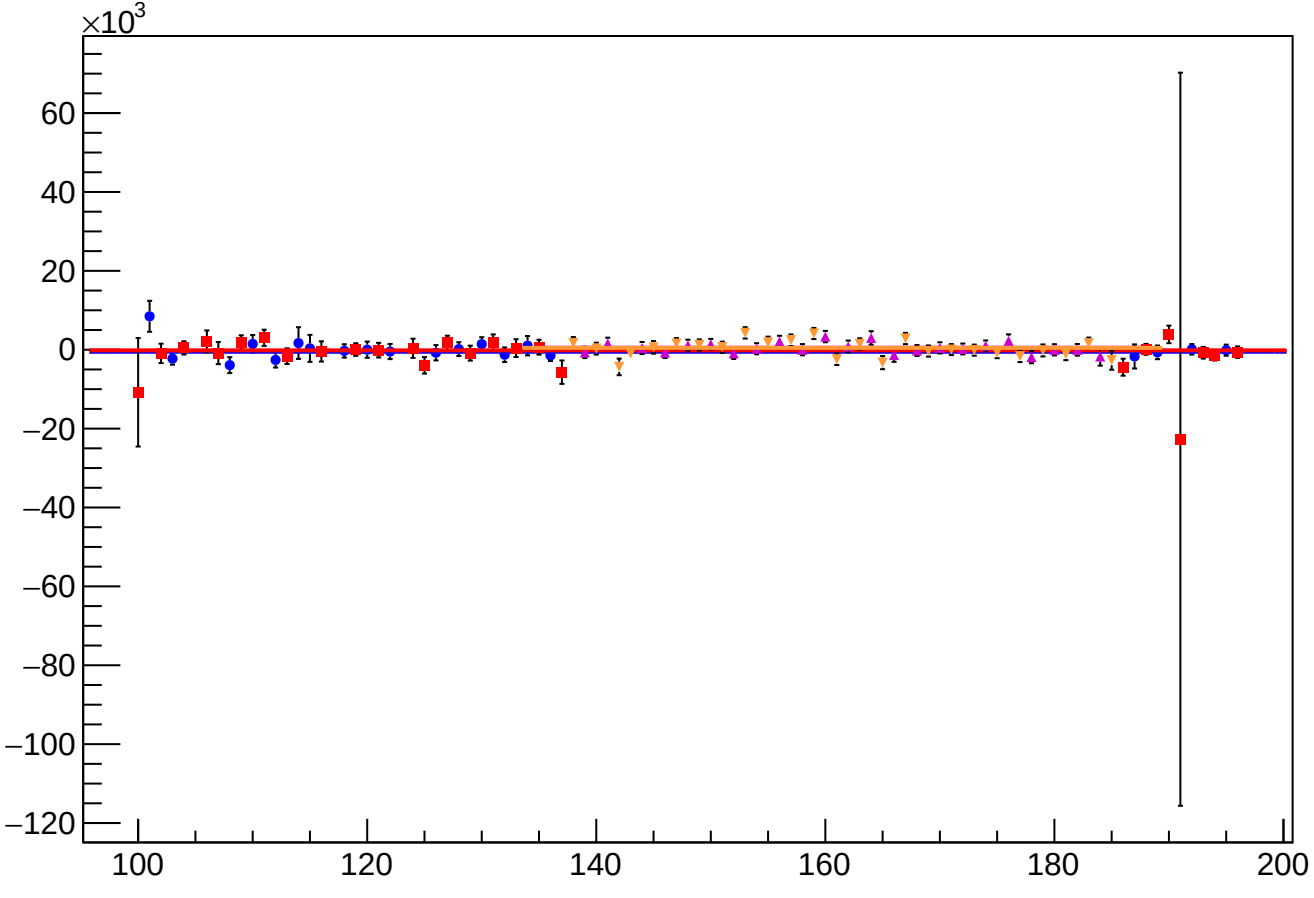
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

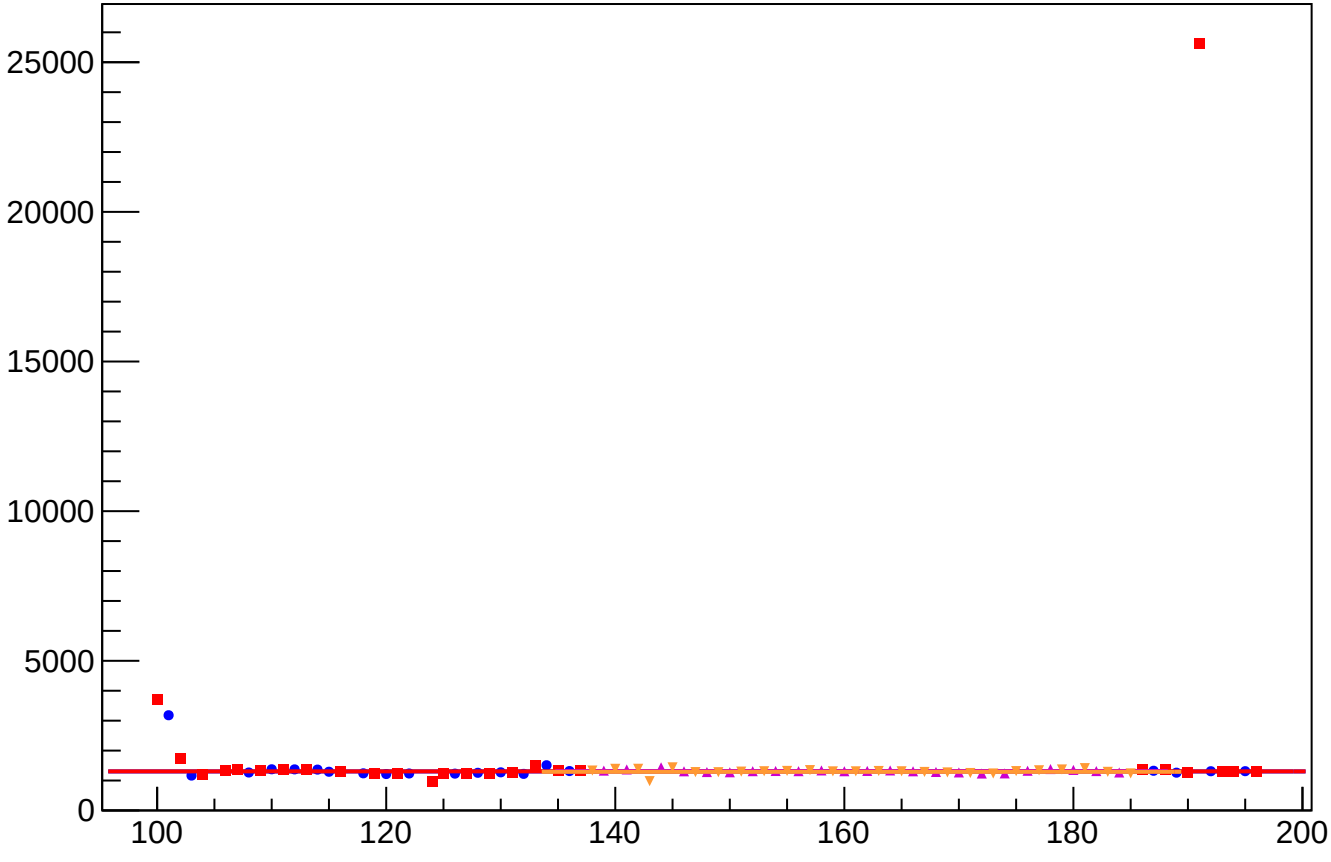
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 197.854+/-170.448 χ^2/NDF: 105.2/93

- sign 248.936+/-240.692 χ^2/NDF: 42.8/48

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

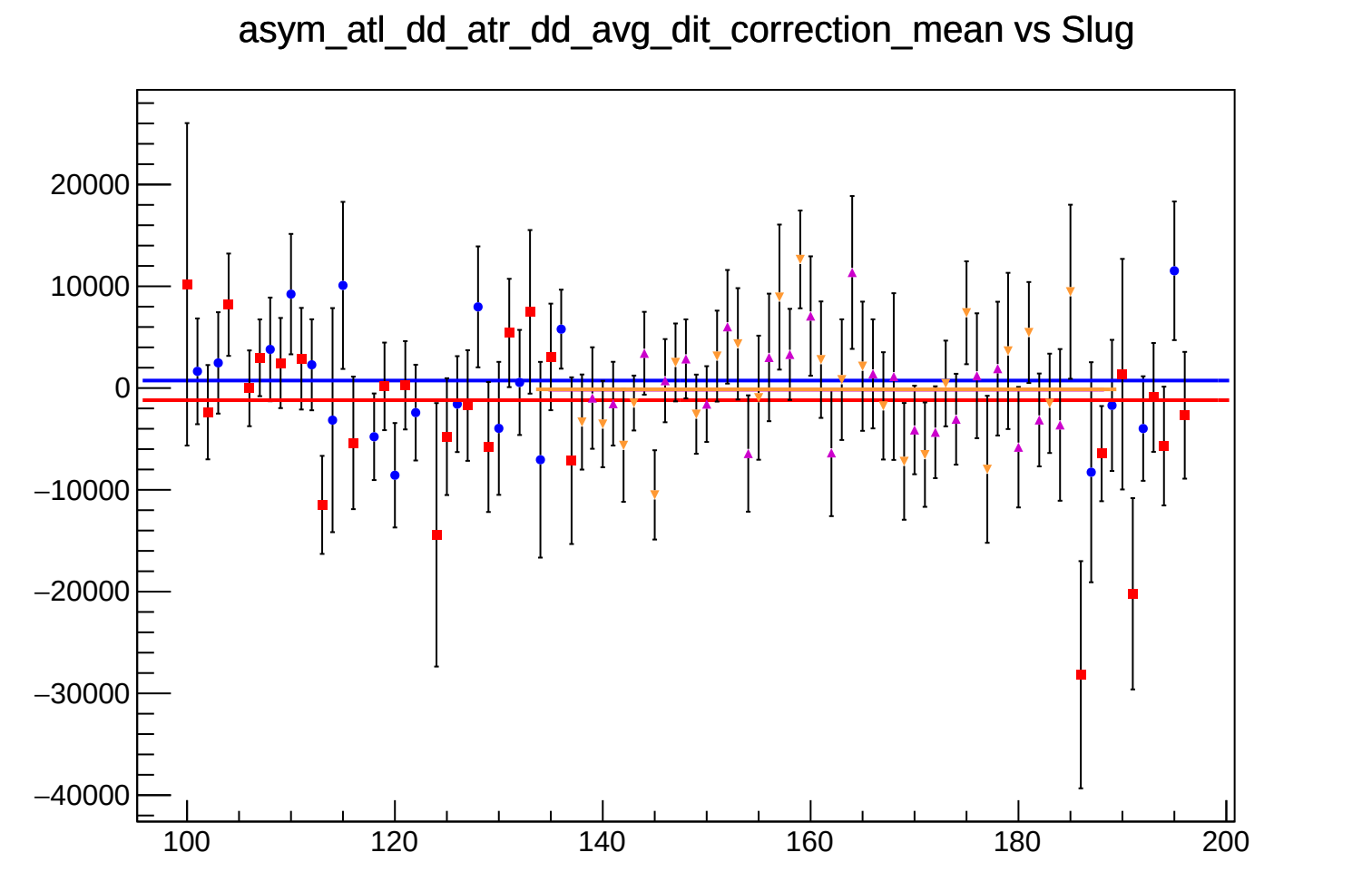
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1303.181+/-0.121 χ^2/NDF: 1151926.1/93

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

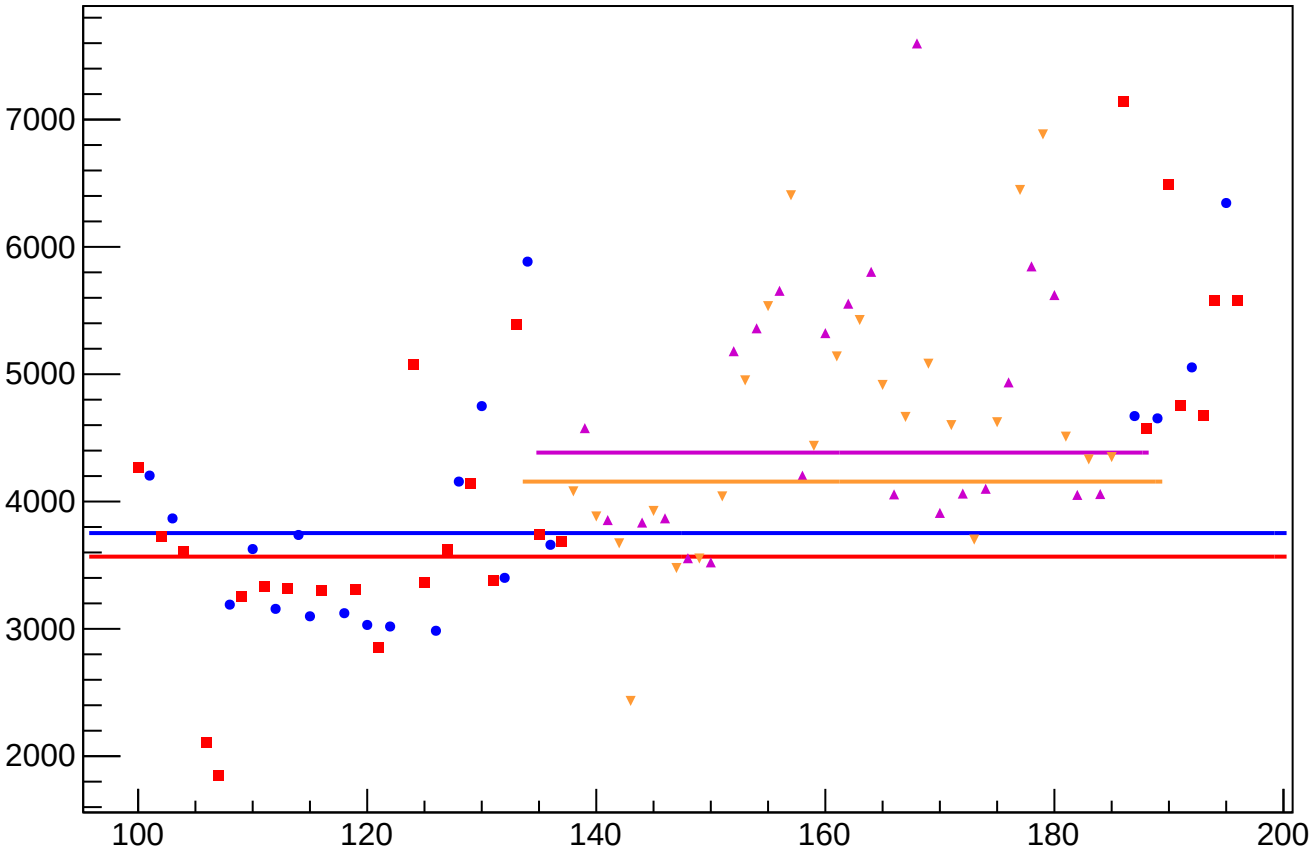
Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

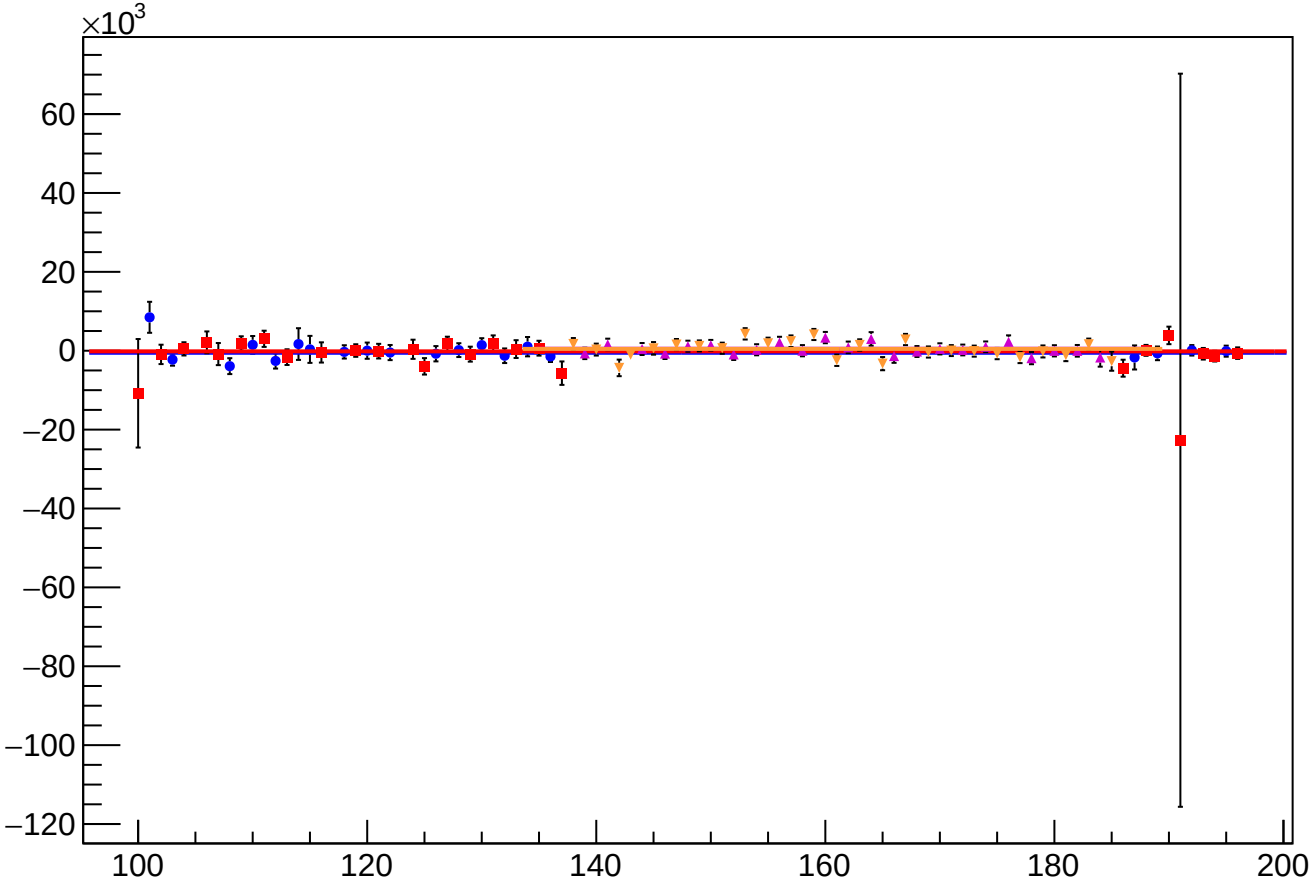
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3994.553+/-0.379 χ^2/NDF: 6932032.2/93

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

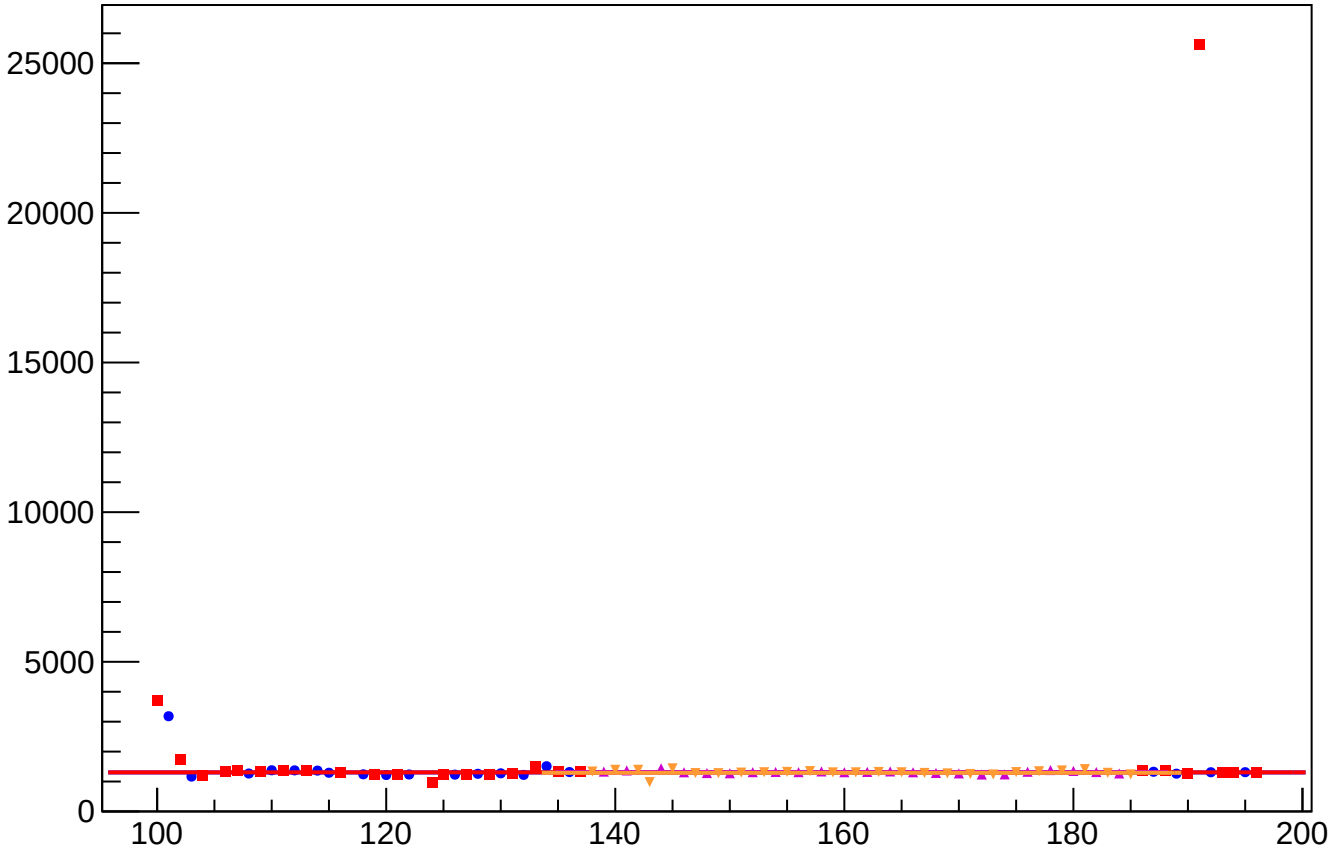
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 197.856+/-170.448 χ^2/NDF: 105.2/93

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

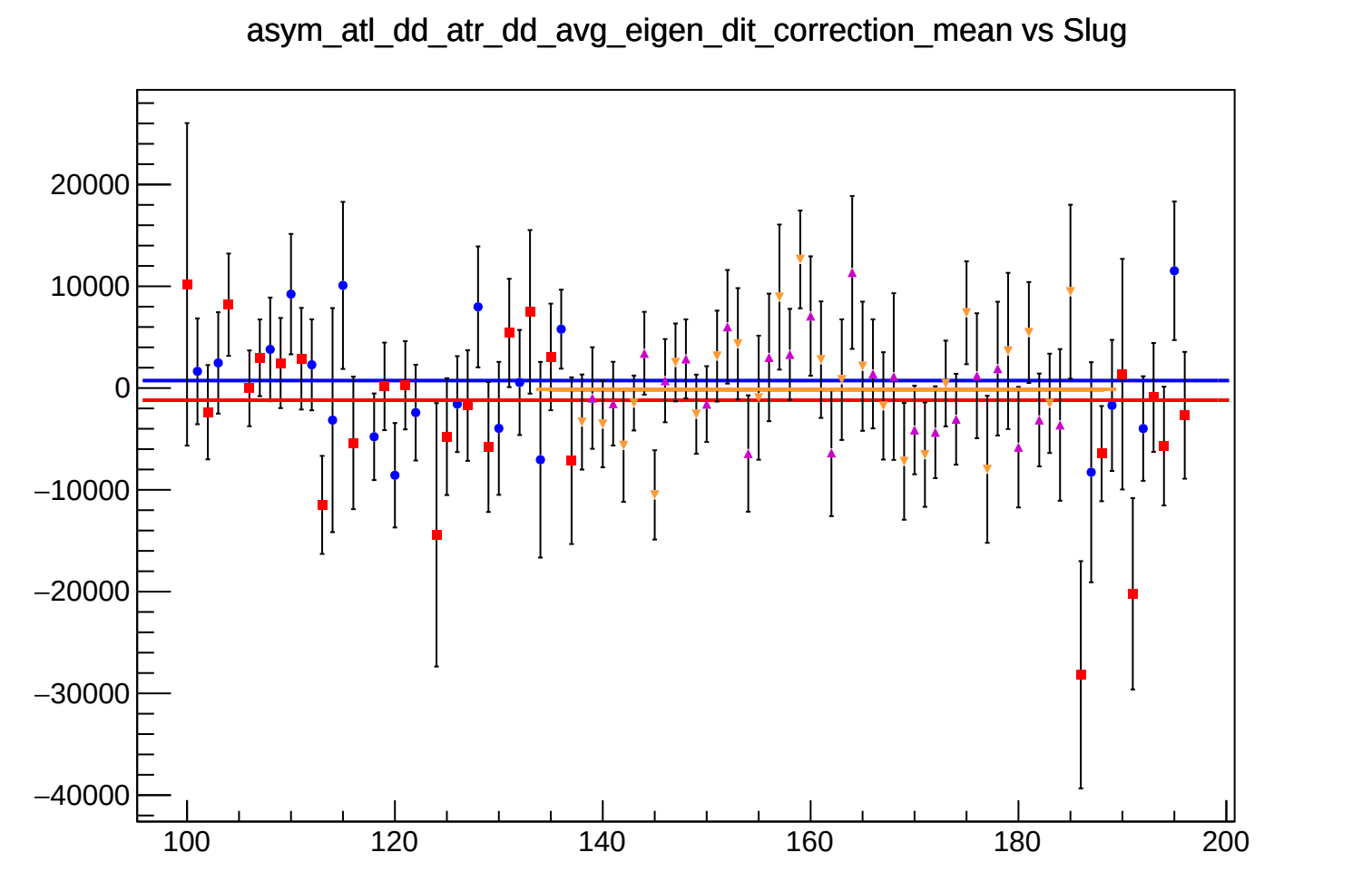
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1303.182+/-0.121 χ^2/NDF: 1151930.9/93

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

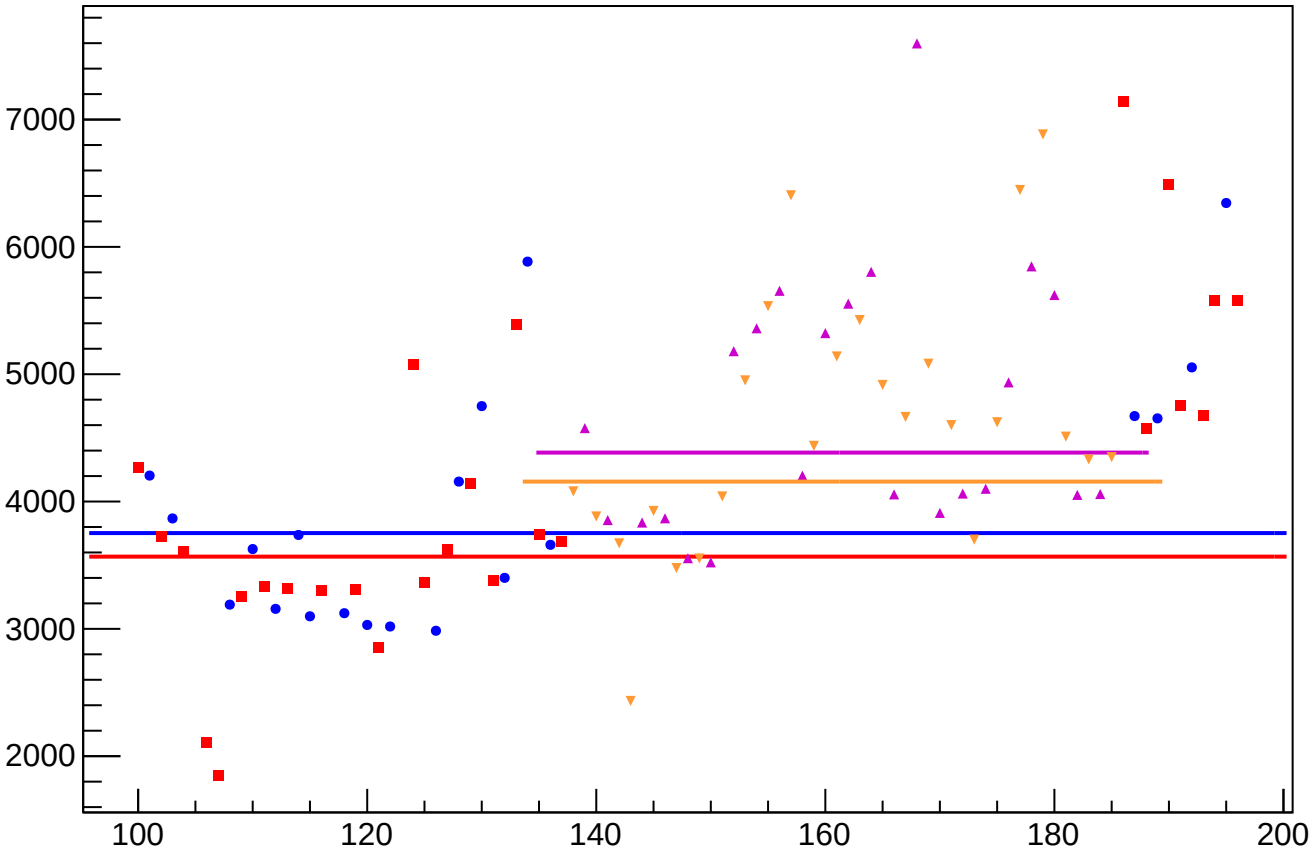
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 207.502+/-765.434 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.773+/-751.166 χ^2/NDF: 43.9/48



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3567.219+/-0.764 χ^2/NDF: 1961465.1/25

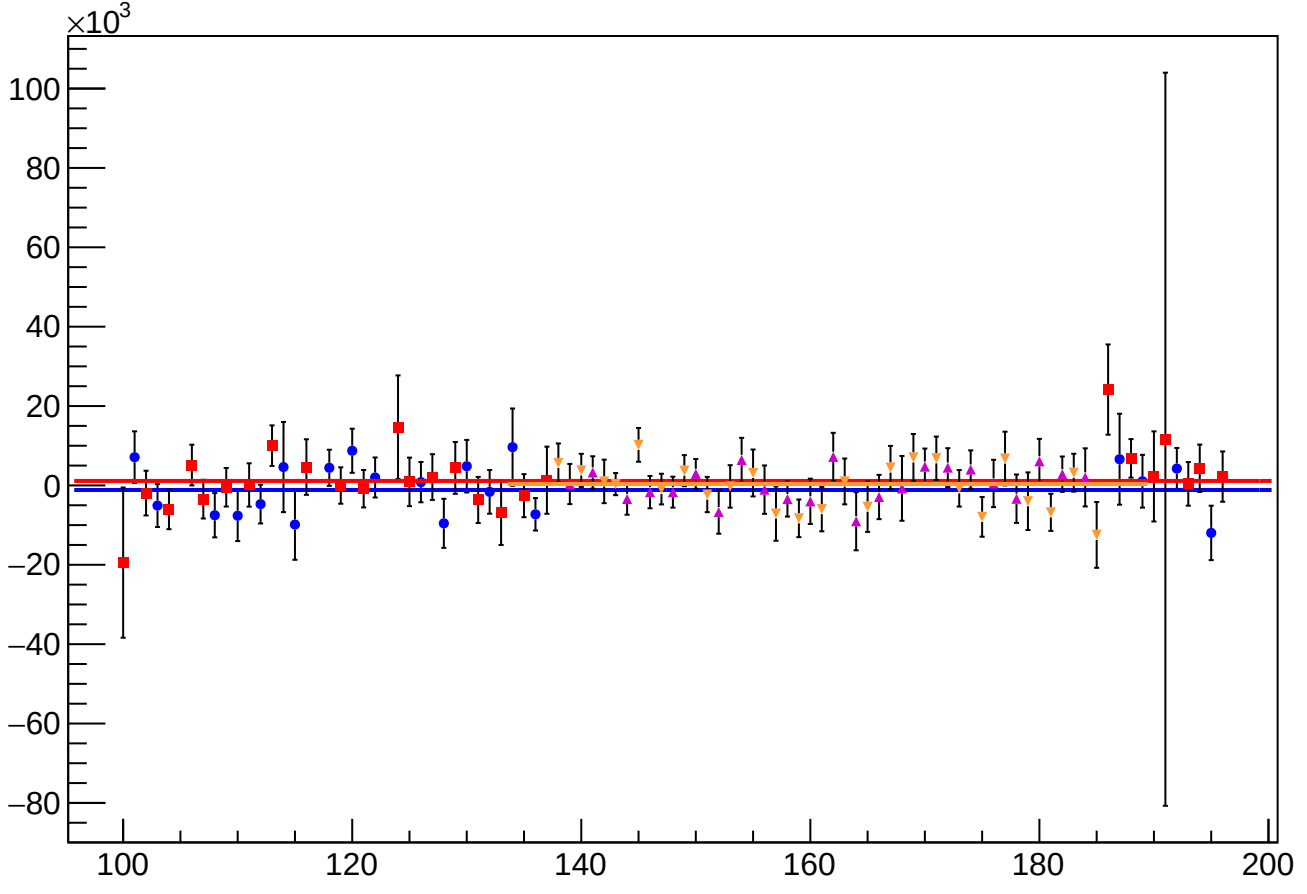
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3994.552+/-0.379 χ^2/NDF: 6932096.0/93

- sign 3989.007+/-0.531 χ^2/NDF: 3807963.0/48

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

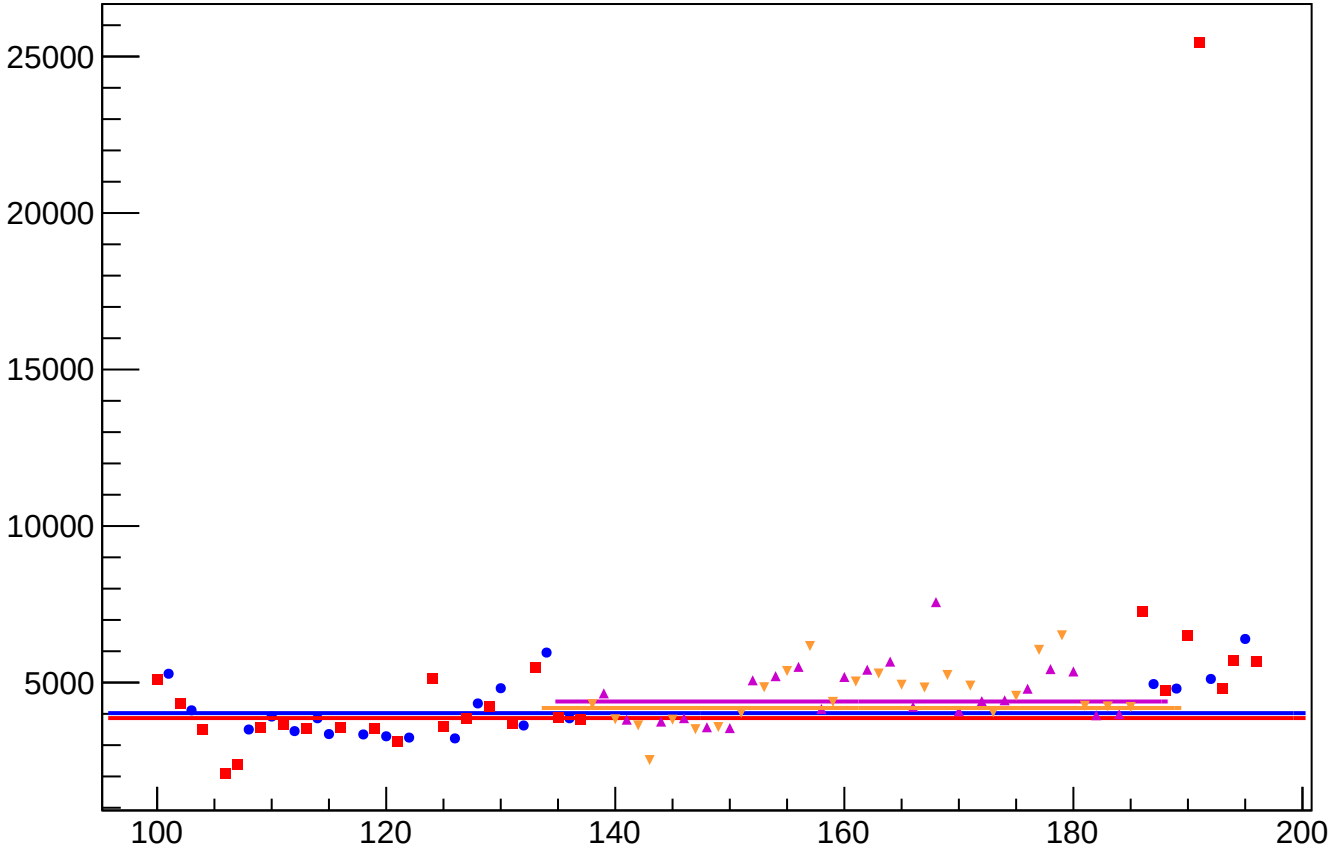
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 299.287+/-555.679 χ^2/NDF: 83.0/93

\- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4022.872+/-0.931 χ^2/NDF: 805994.9/19

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

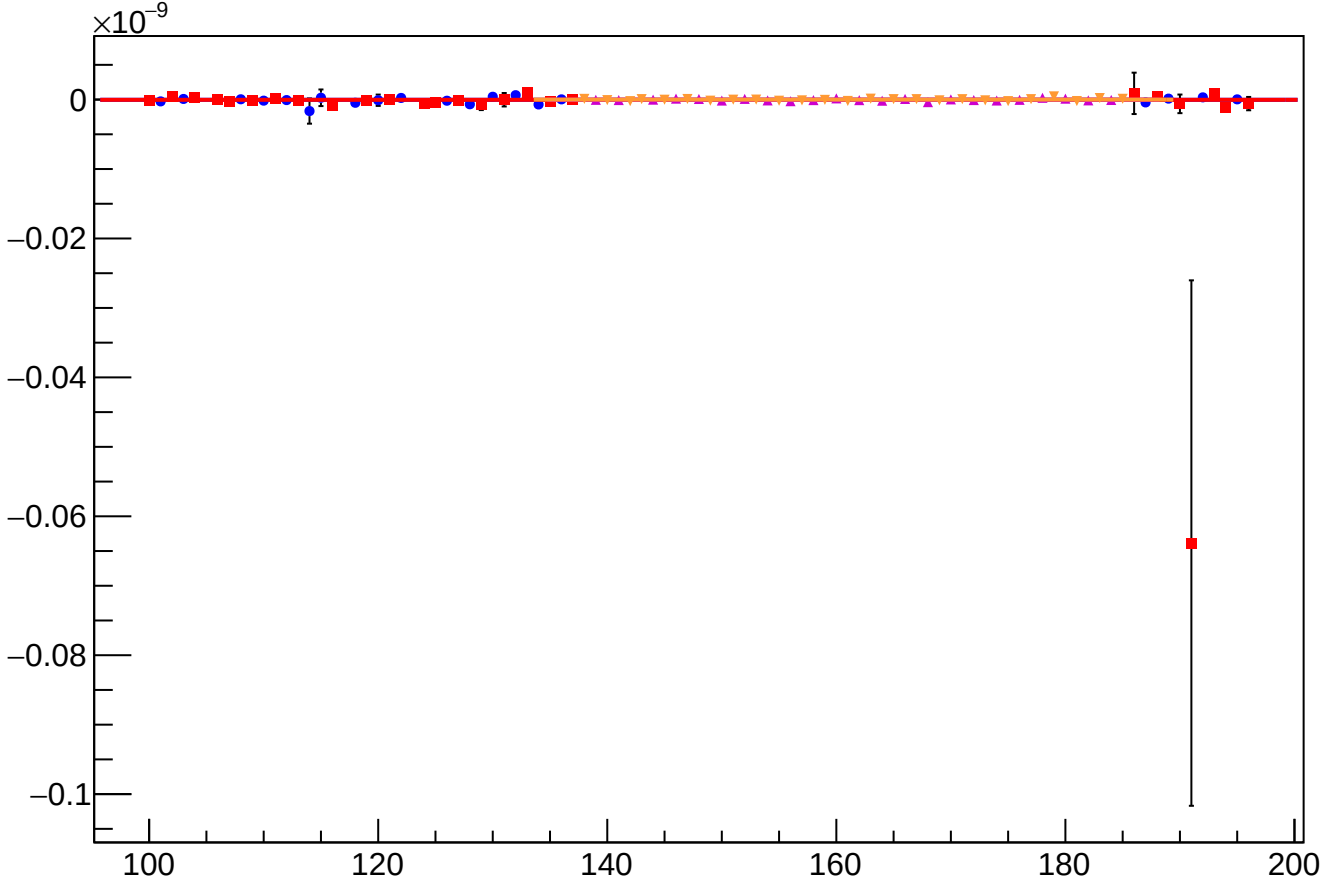
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4145.314+/-0.392 χ^2/NDF: 5569868.9/93

- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

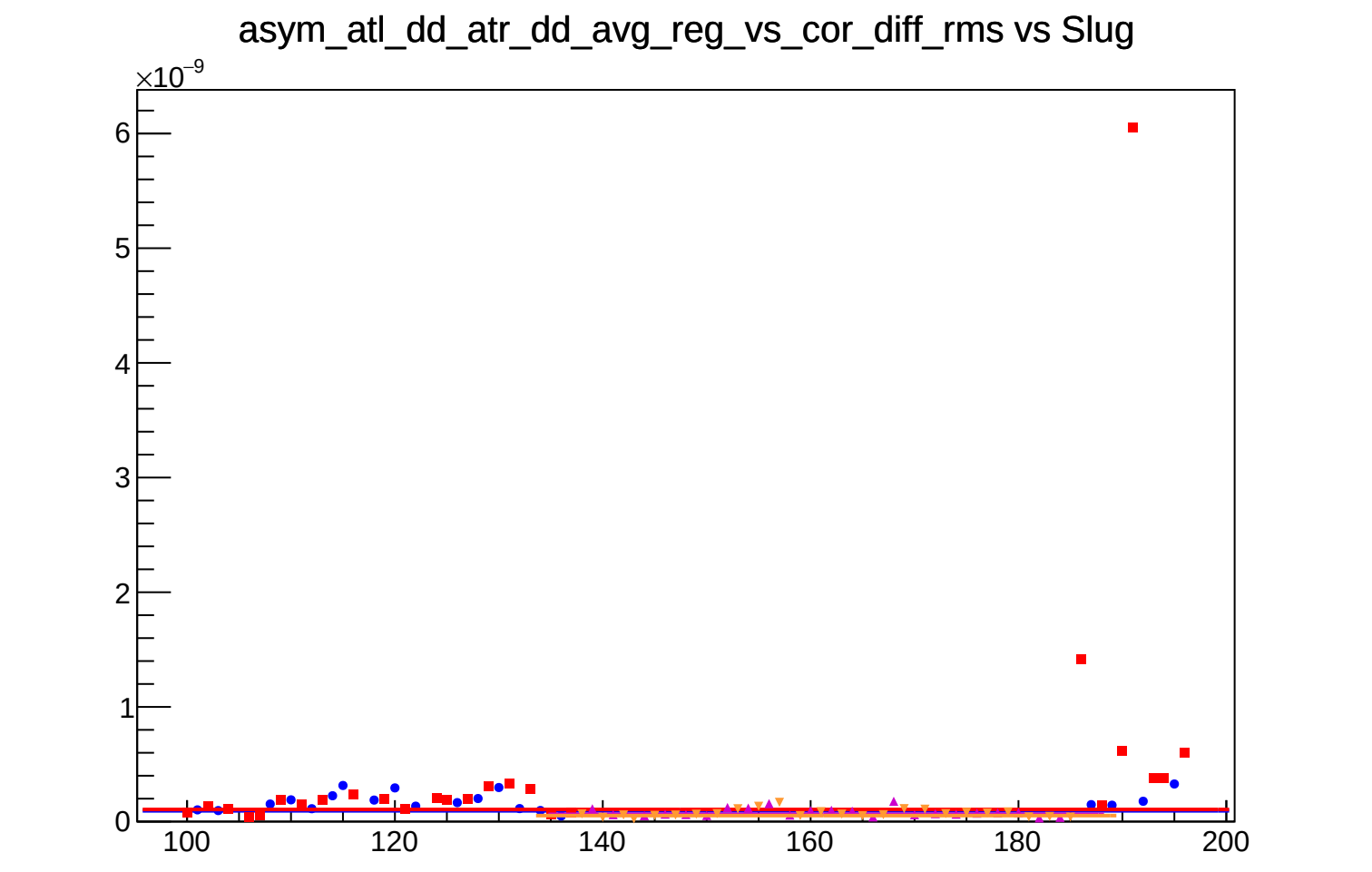
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/44

All: -0.000+/-0.000 χ^2/NDF: 92.2/93

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1819721.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

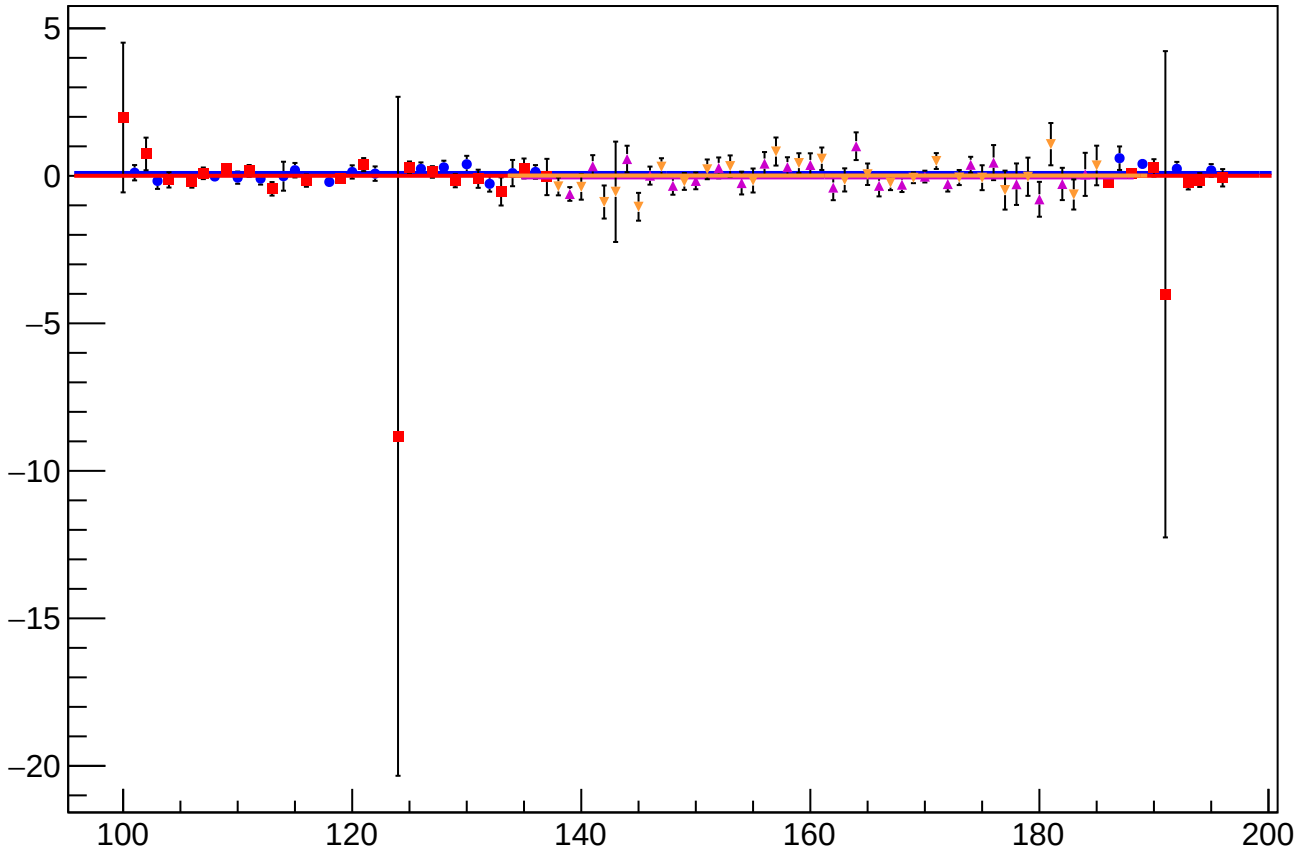
Right Out: 0.000+/-0.000 χ^2/NDF: 3757970.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5361395.0/44

All: 0.000+/-0.000 χ^2/NDF: 11988582.7/93

- sign 0.000+/-0.000 χ^2/NDF: 6345811.2/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

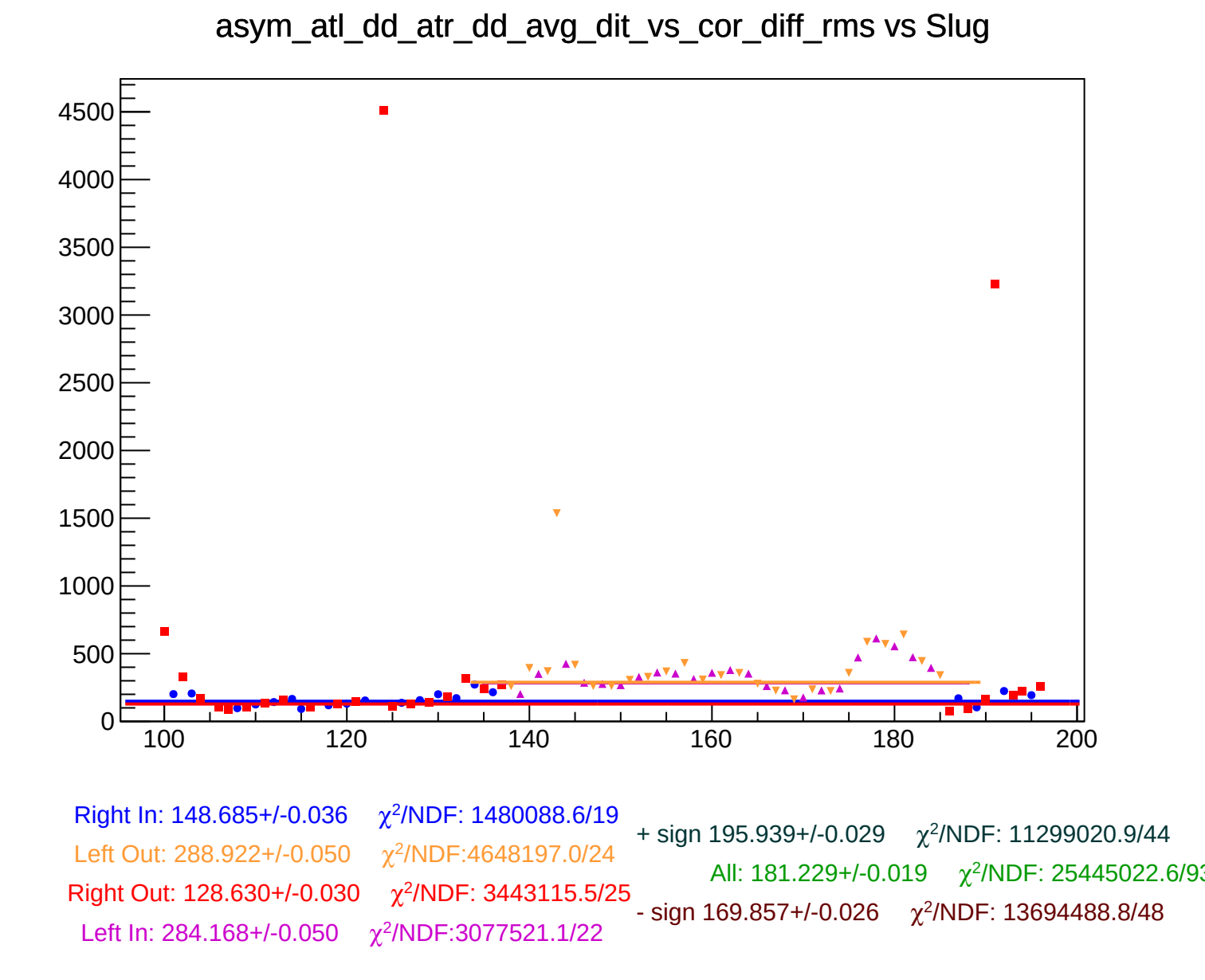
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

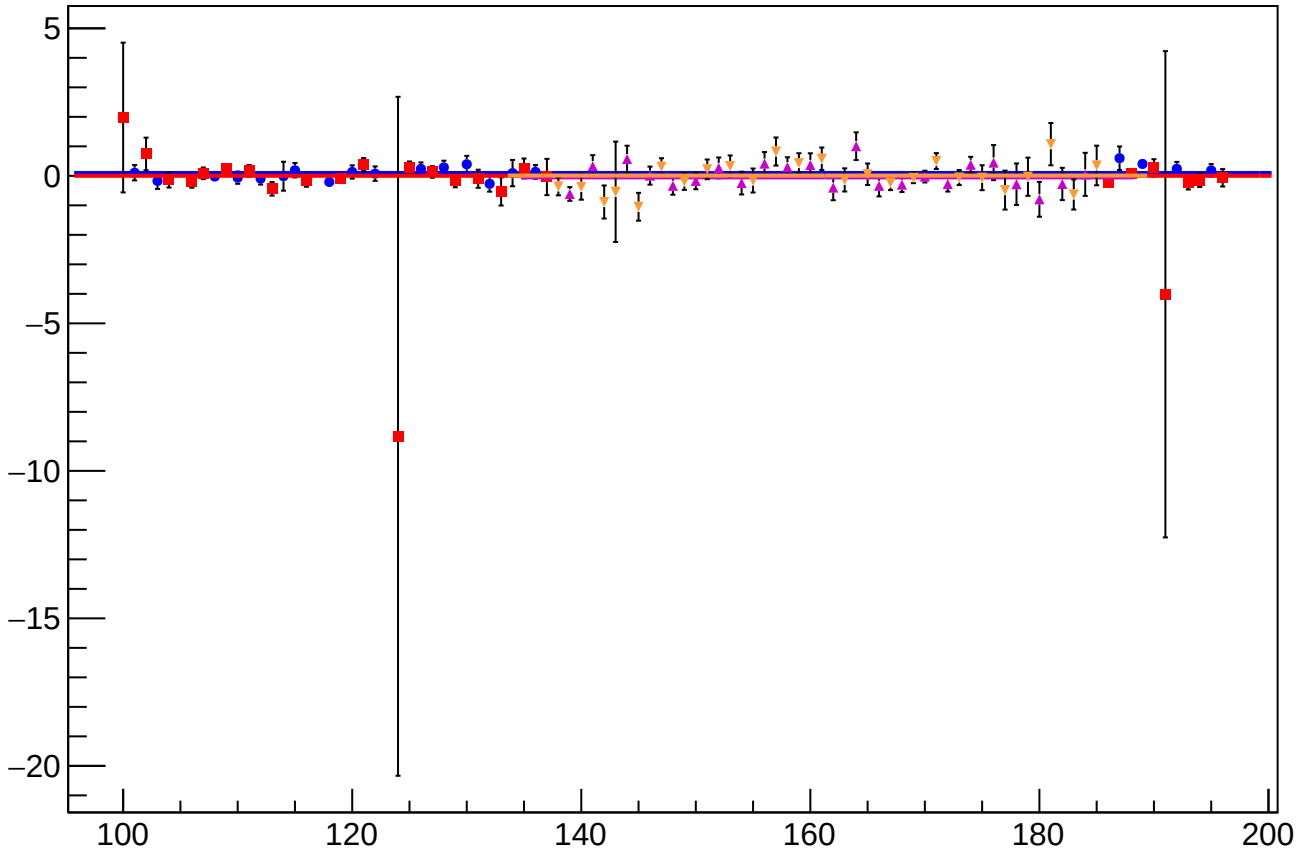
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 148.685+/-0.036 χ²/NDF: 1480088.6/19
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 128.630+/-0.030 χ²/NDF: 3443115.5/25
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.939+/-0.029 χ²/NDF: 11299020.9/44
All: 181.229+/-0.019 χ²/NDF: 25445022.6/93
- sign 169.857+/-0.026 χ²/NDF: 13694488.8/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

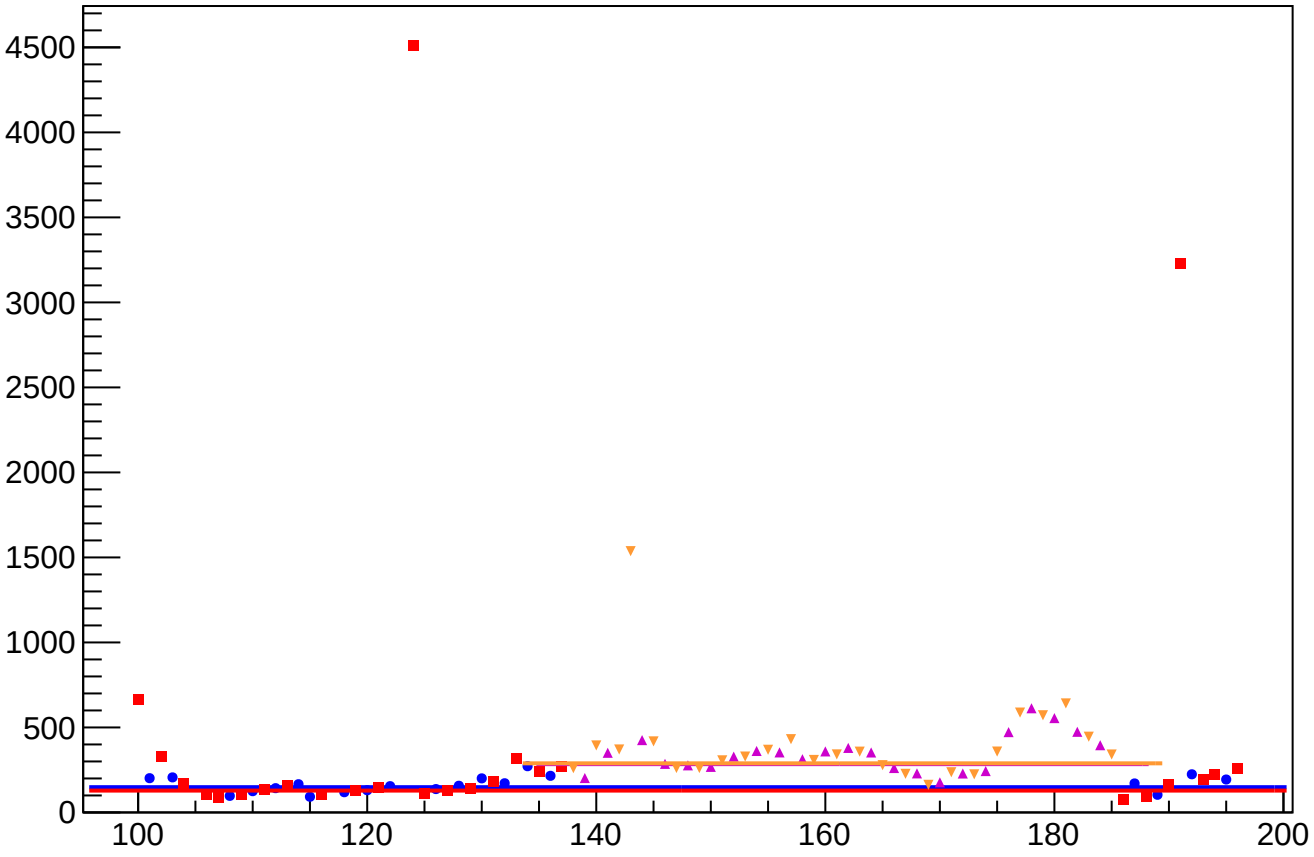
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

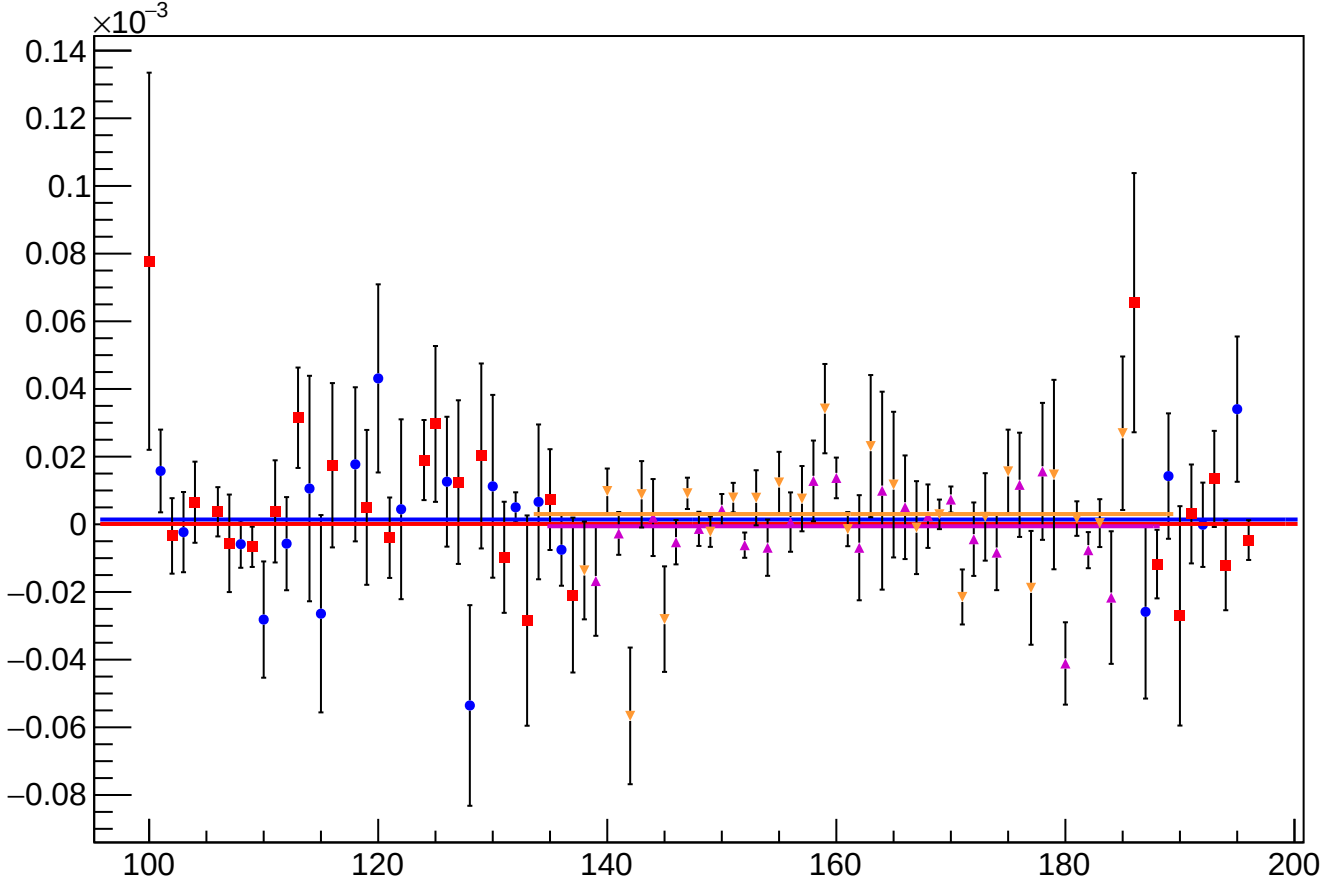
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 181.229+/-0.019 χ^2/NDF: 25445022.6/93

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

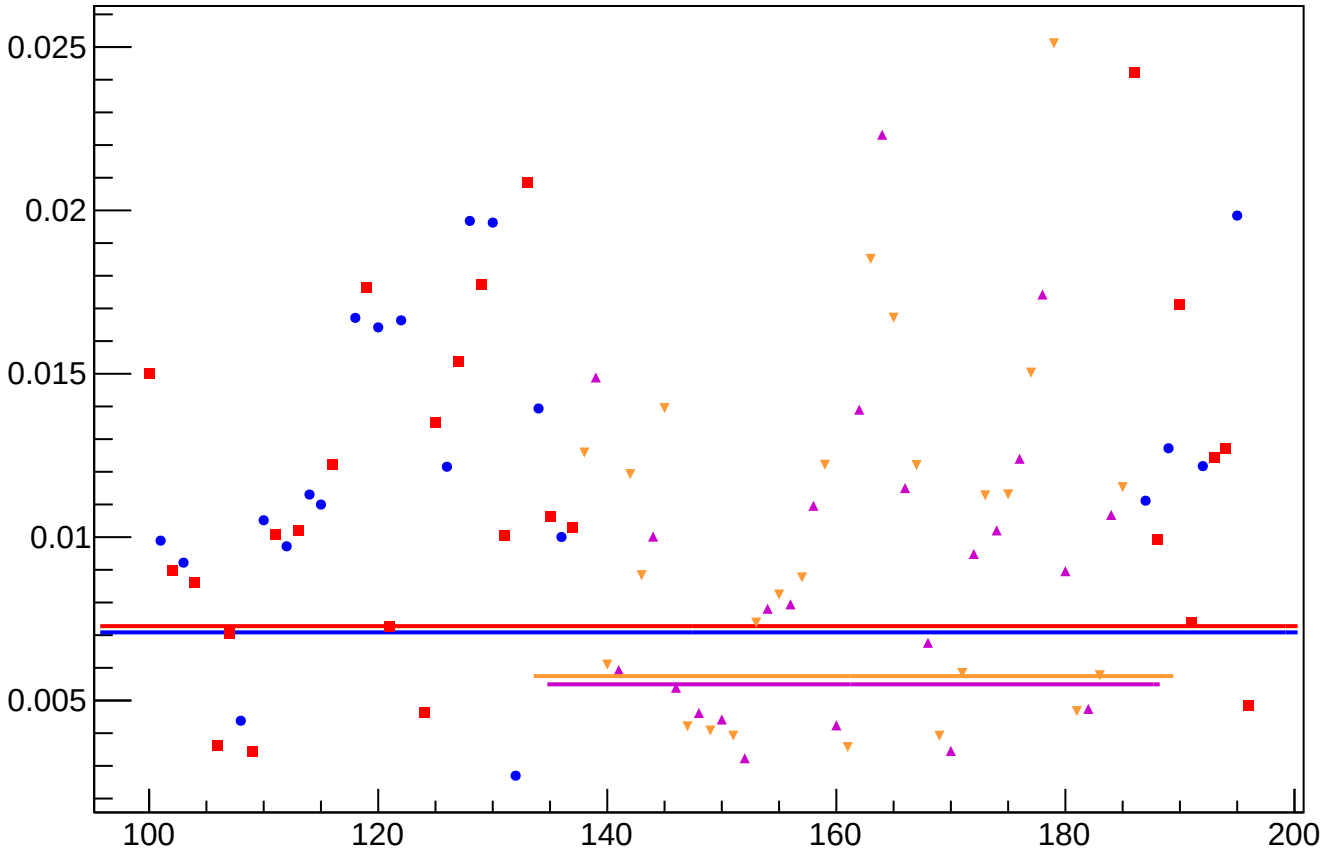
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/44

All: 0.000+/-0.000 χ^2/NDF: 121.2/93

- sign -0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

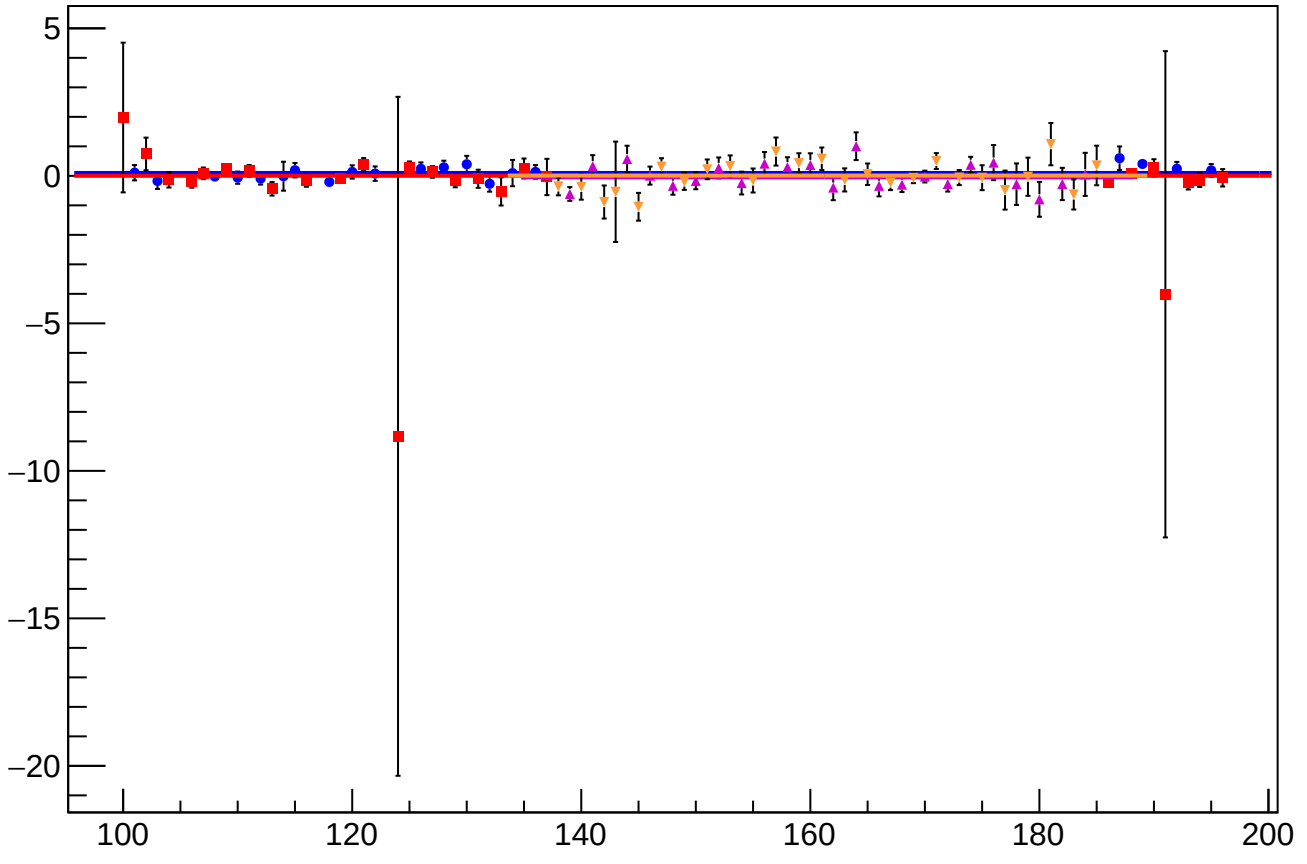
Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14517339.2/44

All: 0.006+/-0.000 χ^2/NDF: 27302294.7/93

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

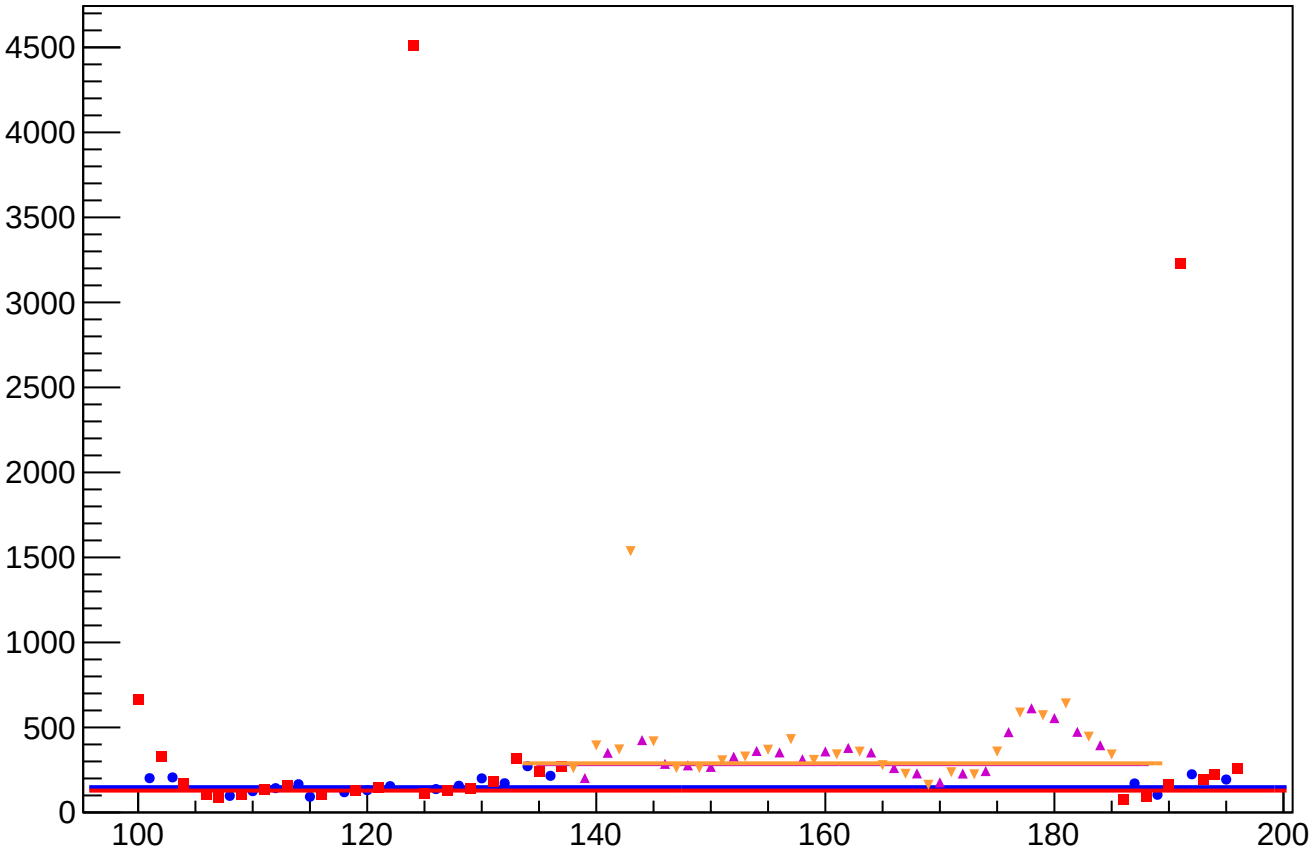
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

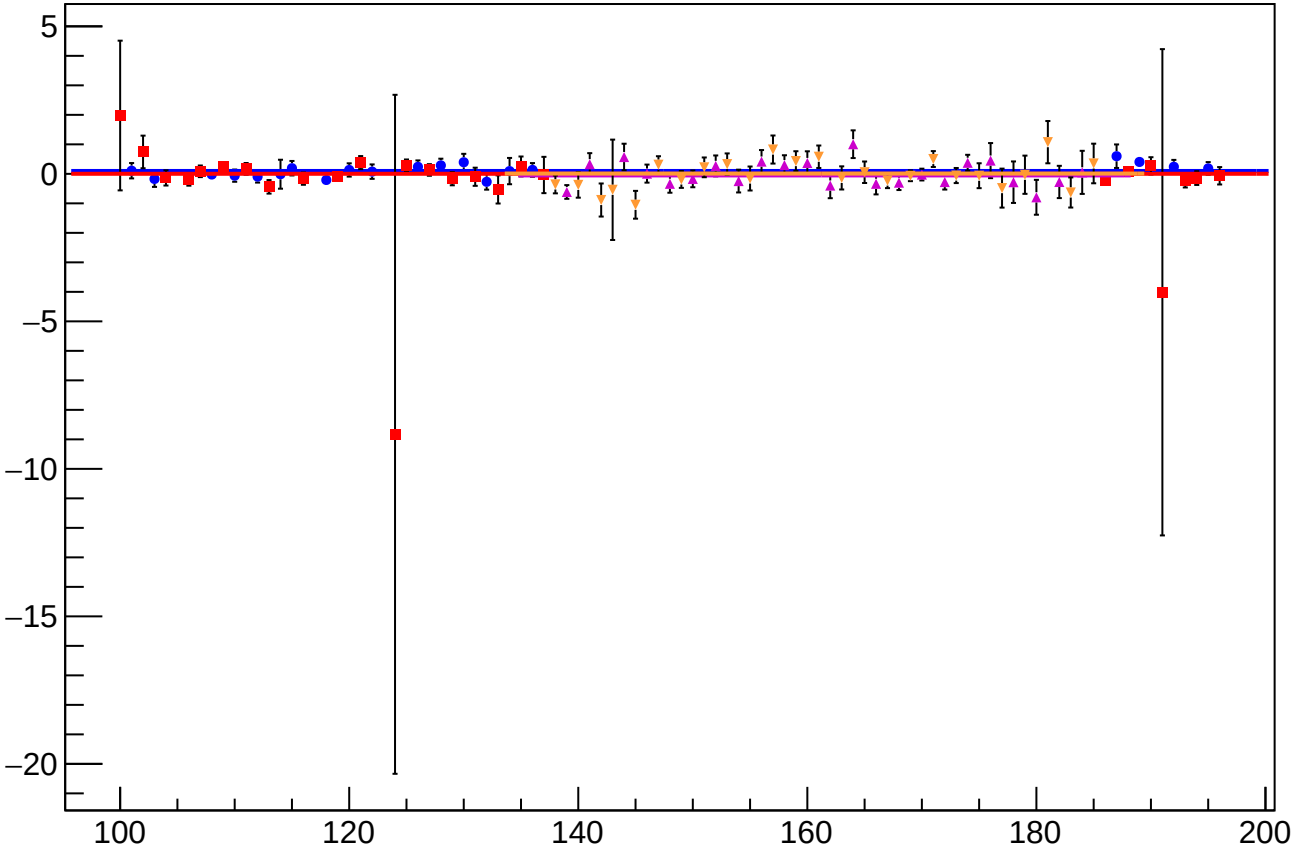
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 181.230+/-0.019 χ^2/NDF: 25444950.1/93

- 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: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

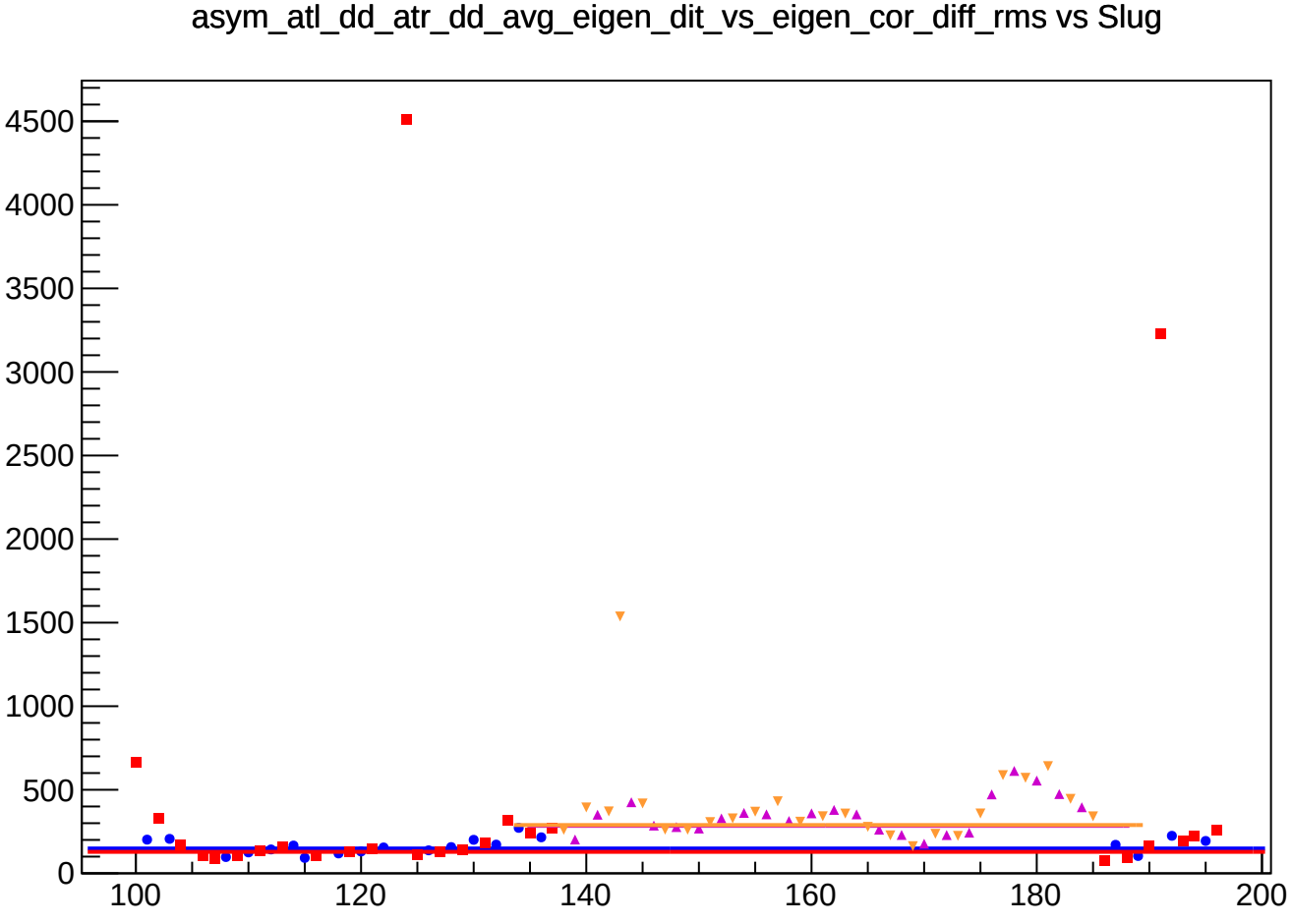
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

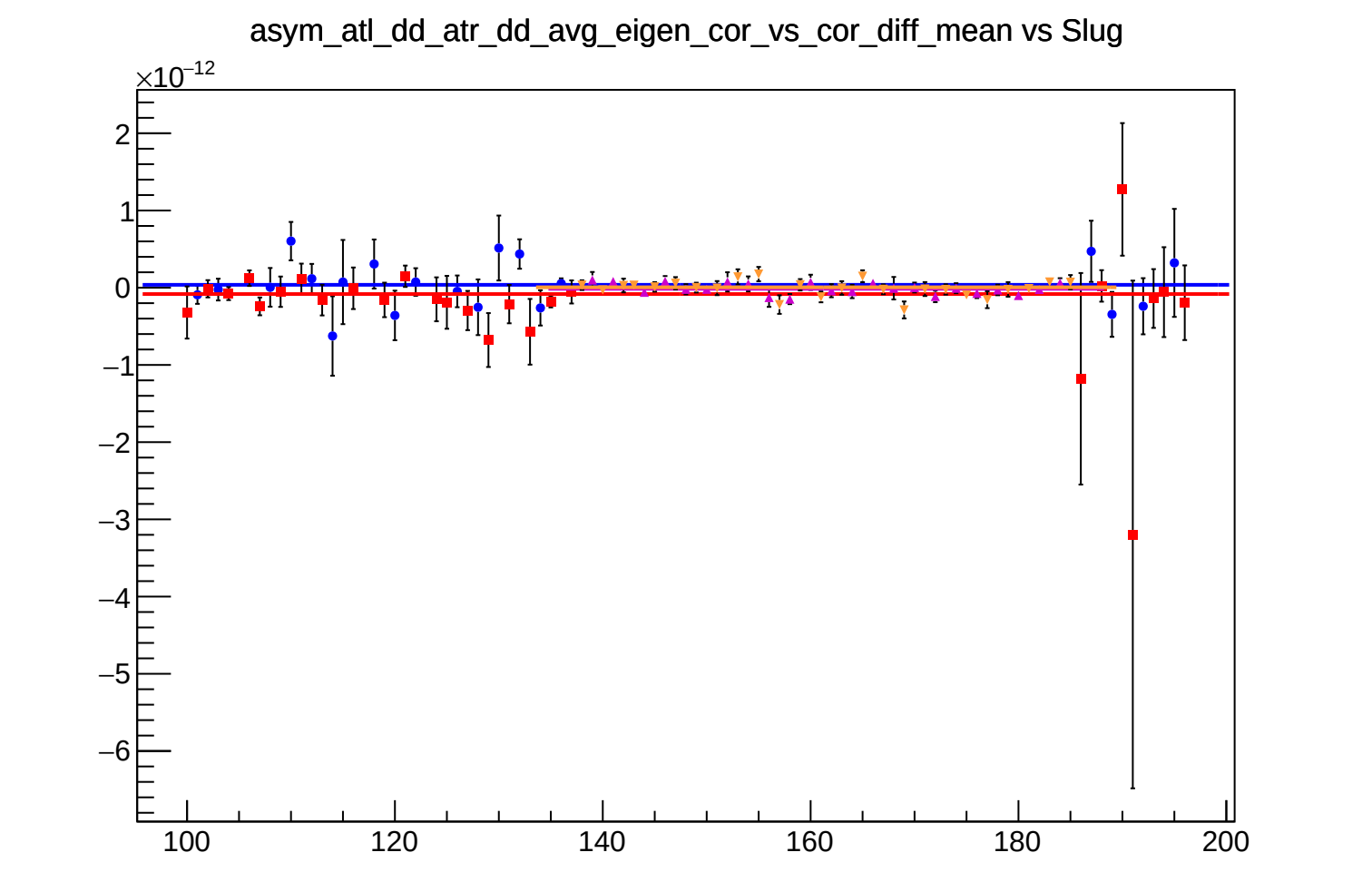
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- 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: 148.685+/-0.036 χ²/NDF: 1480056.0/19
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 195.938+/-0.029 χ²/NDF: 11299227.7/44
All: 181.230+/-0.019 χ²/NDF: 25444950.1/93
- sign 169.859+/-0.026 χ²/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

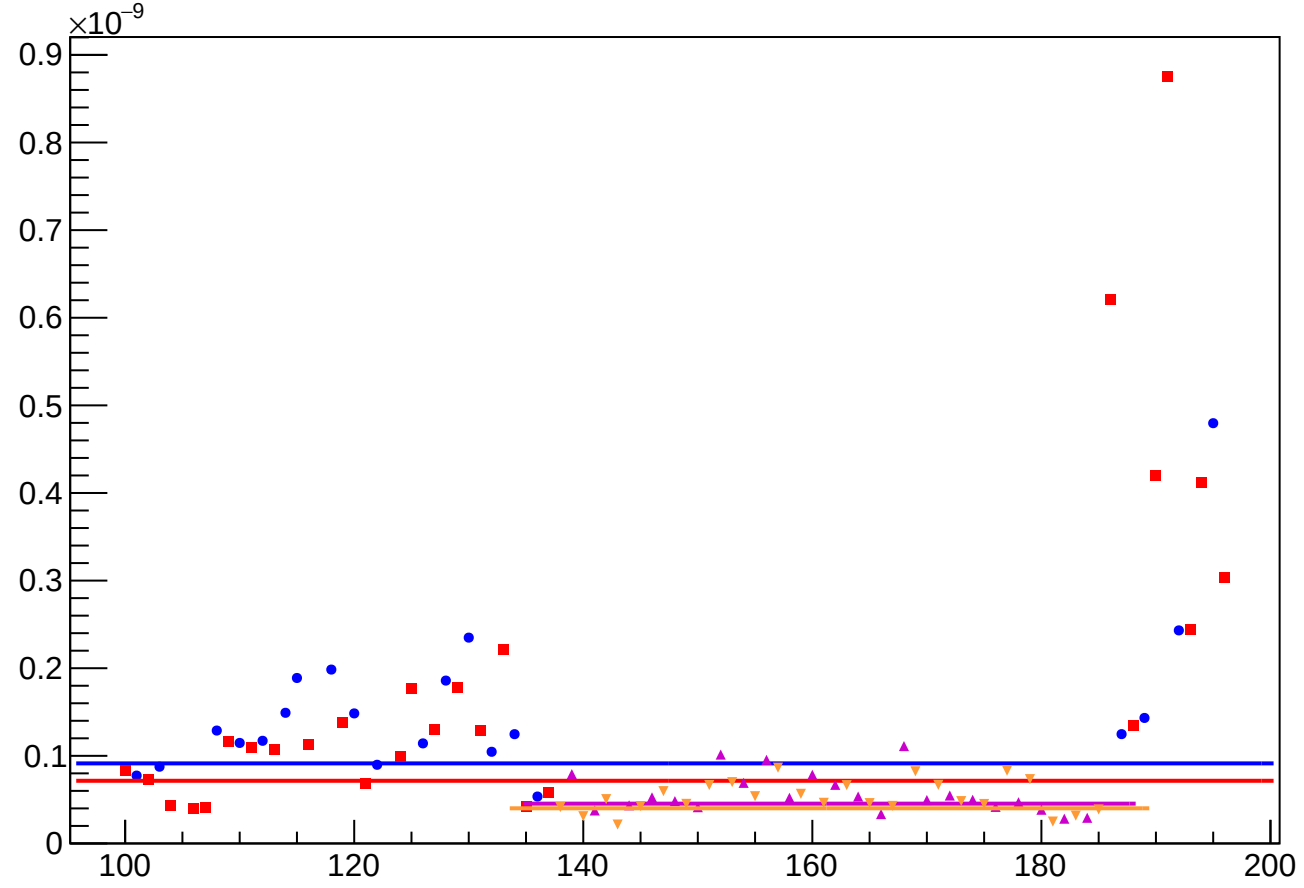
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/44

All: -0.000+/-0.000 χ^2/NDF: 110.2/93

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

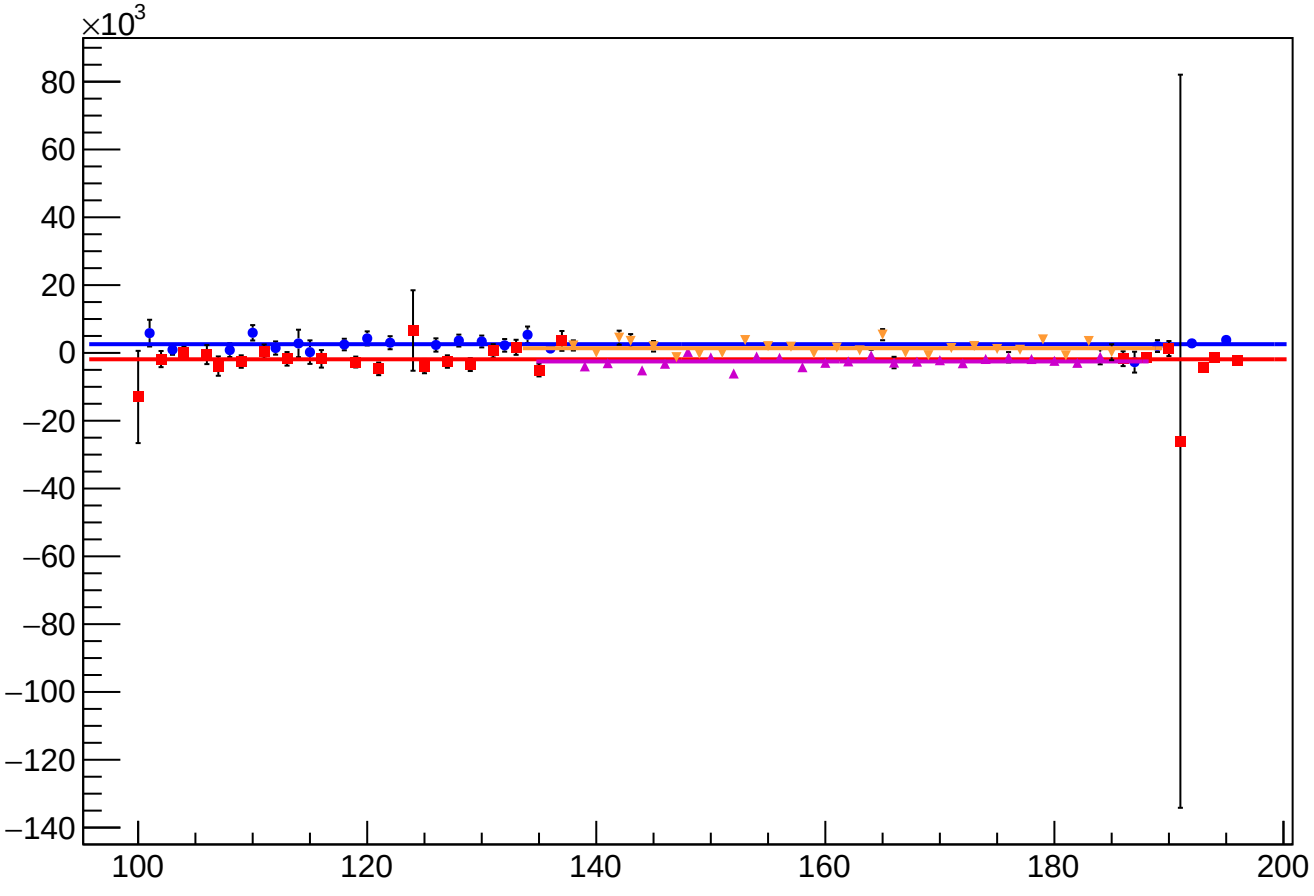
Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9030177.6/44

All: 0.000+/-0.000 χ^2/NDF: 17762677.0/93

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48



Right In: 2573.701+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1879.166+/-392.473 χ^2/NDF: 24.5/25

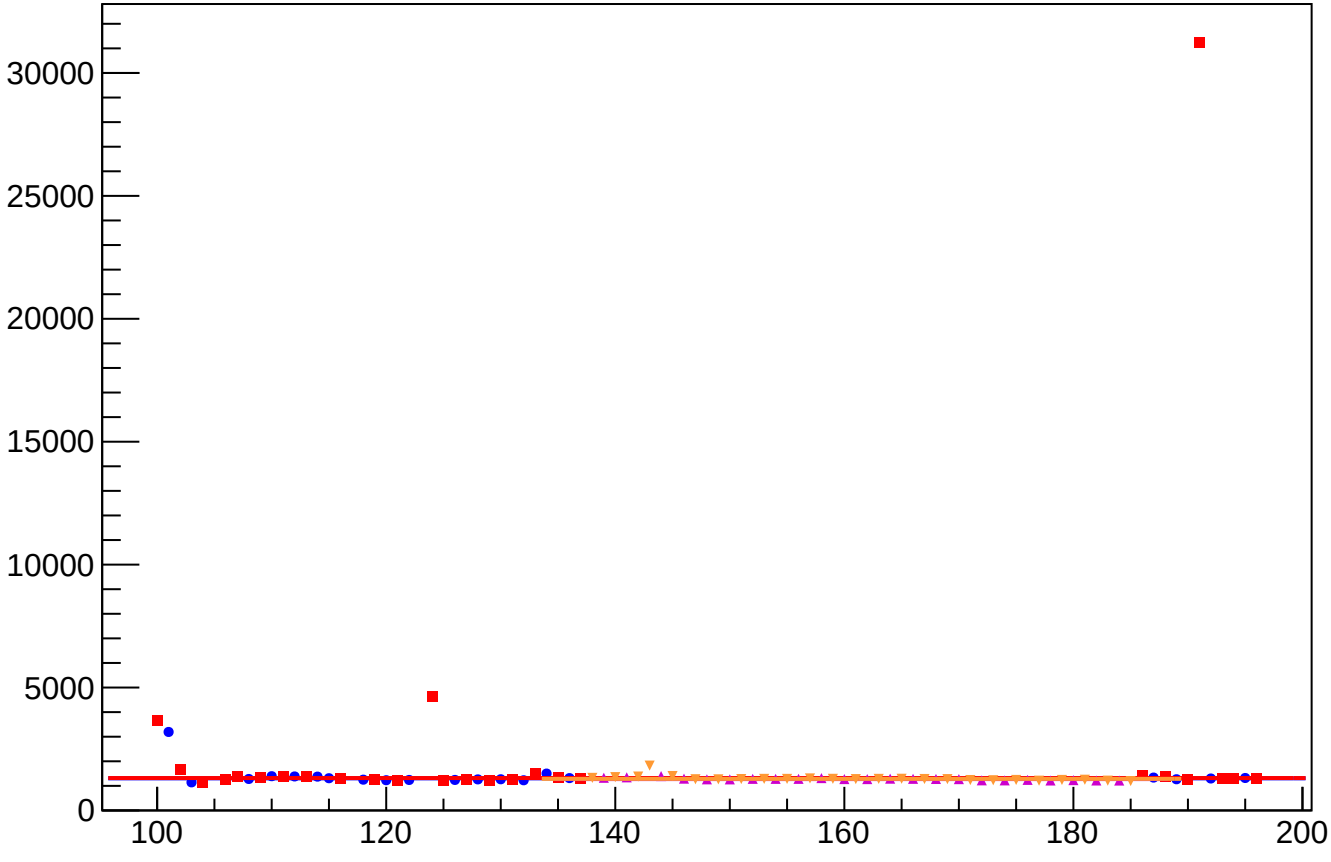
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.772+/-240.746 χ^2/NDF: 51.2/44

All: -286.682+/-169.033 χ^2/NDF: 243.6/93

- sign -2285.155+/-237.386 χ^2/NDF: 48.7/48

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.913+/-0.299 χ^2/NDF: 517620.6/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

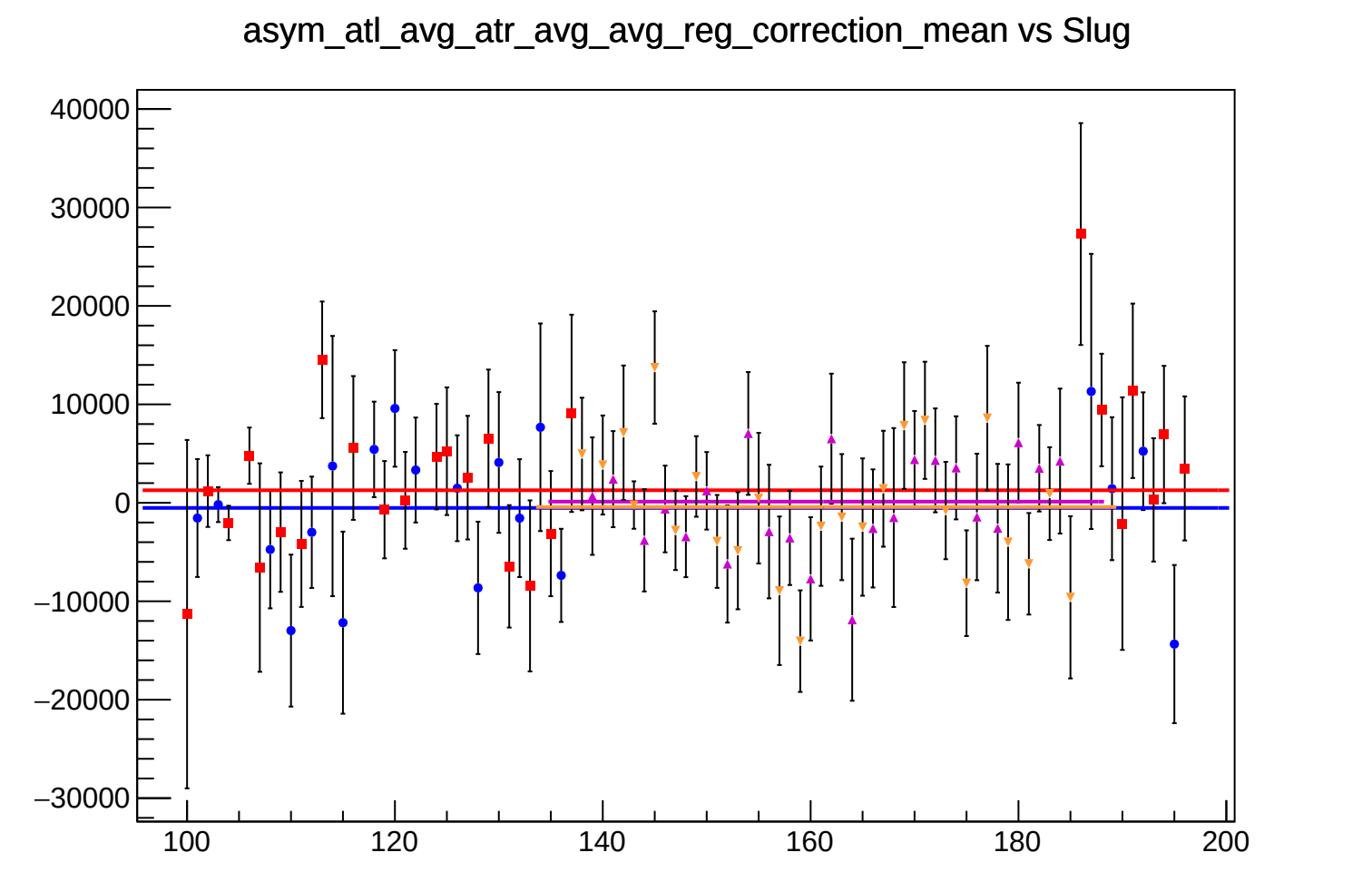
Right Out: 1318.634+/-0.277 χ^2/NDF: 488390.3/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.212+/-0.170 χ^2/NDF: 711750.7/44

All: 1291.898+/-0.119 χ^2/NDF: 1256587.1/93

- sign 1291.593+/-0.168 χ^2/NDF: 544829.8/48



Right In: -518.361+/-1139.350 χ^2/NDF: 19.4/19

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

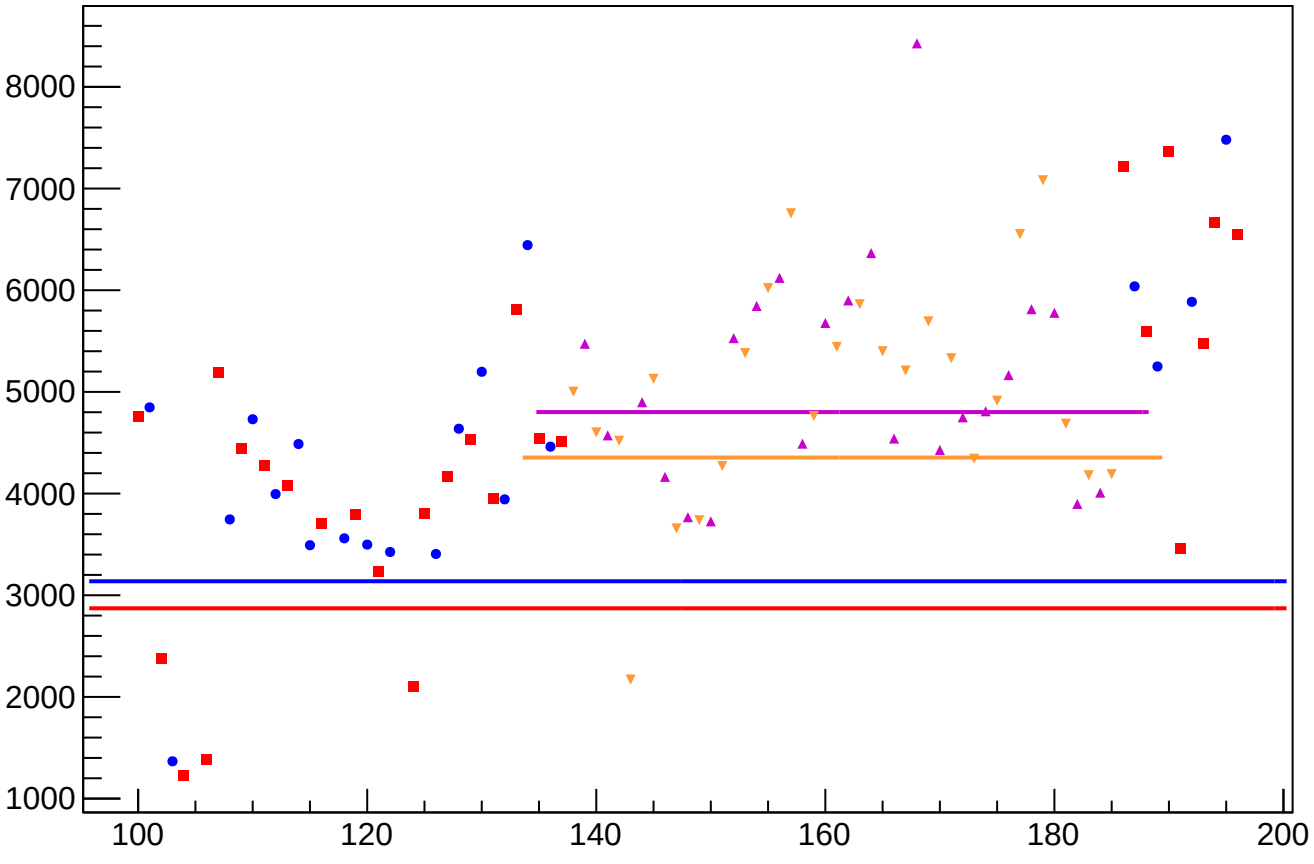
Right Out: 1275.030+/-990.252 χ^2/NDF: 27.8/25

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -469.275+/-767.326 χ^2/NDF: 49.2/44

All: 170.713+/-535.952 χ^2/NDF: 92.5/93

- sign 780.351+/-748.911 χ^2/NDF: 41.9/48



Right In: 3137.584+/-0.806 χ^2/NDF: 4279873.5/19

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

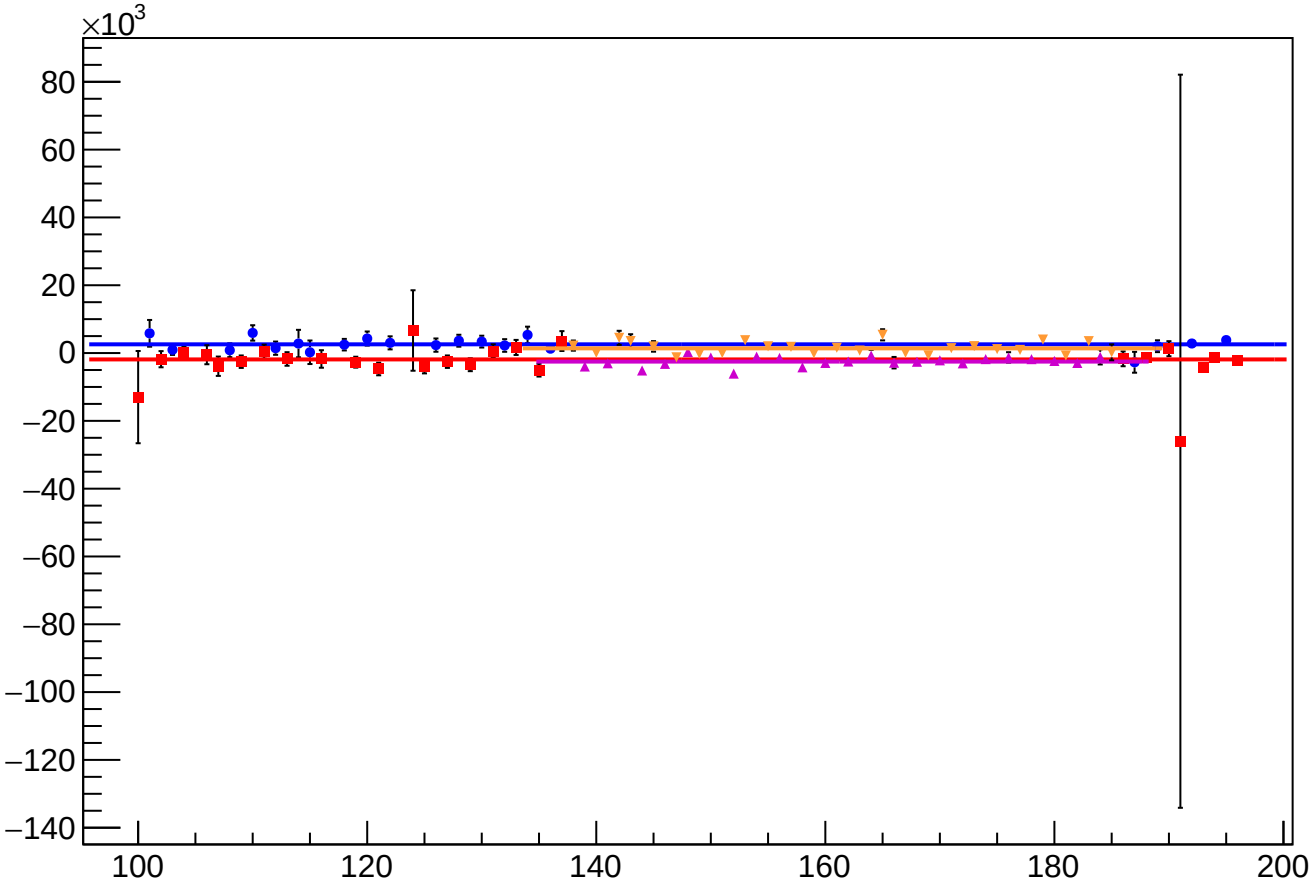
Right Out: 2871.696+/-0.700 χ^2/NDF: 6101218.8/25

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3802.556+/-0.543 χ^2/NDF: 8598087.6/44

All: 3748.881+/-0.379 χ^2/NDF: 19201759.4/9

- sign 3697.752+/-0.530 χ^2/NDF: 10584563.5/48



Right In: 2573.530+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1878.998+/-392.473 χ^2/NDF: 24.5/25

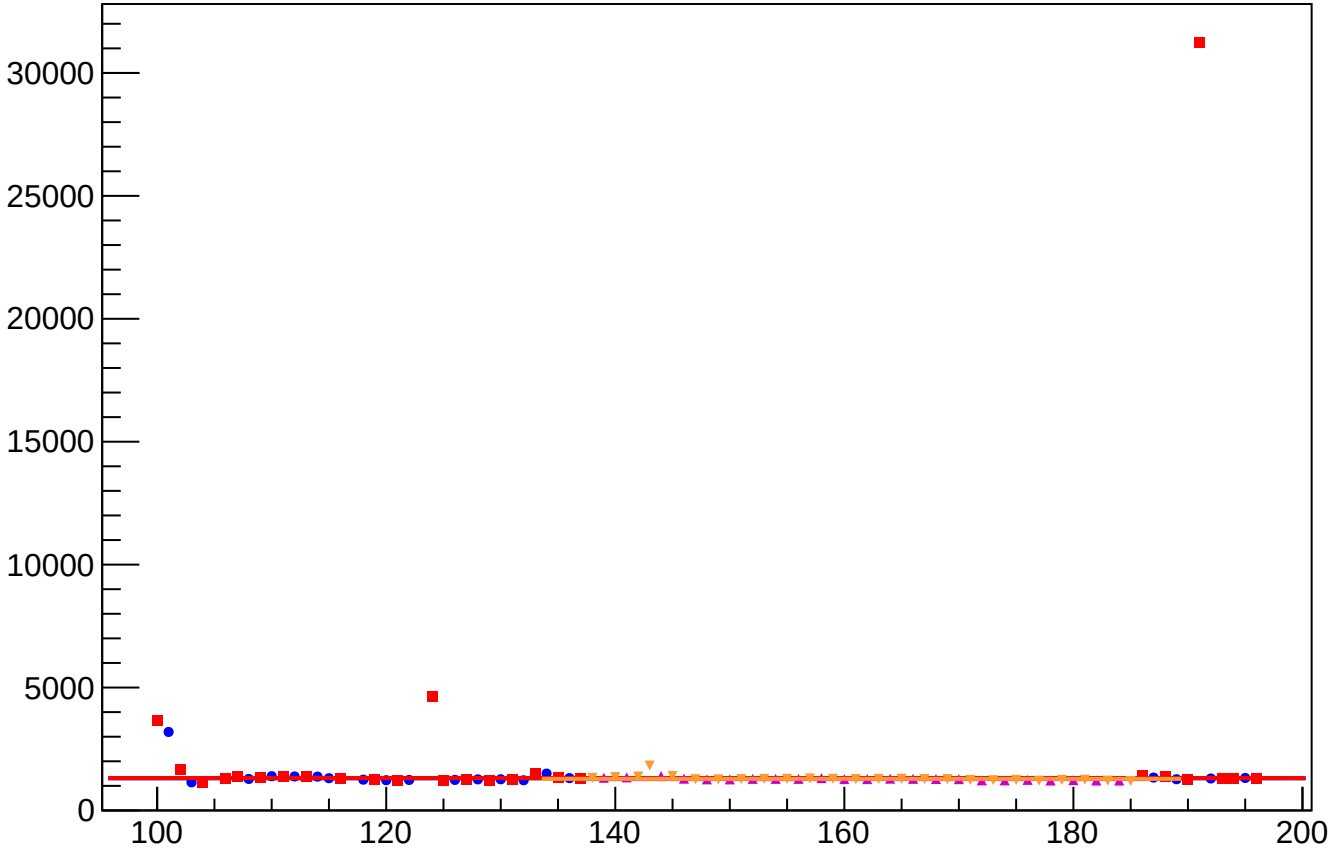
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.672+/-240.746 χ^2/NDF: 51.2/44

All: -286.701+/-169.033 χ^2/NDF: 243.6/93

- sign -2285.095+/-237.386 χ^2/NDF: 48.7/48

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.913+/-0.299 χ^2/NDF: 517622.1/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

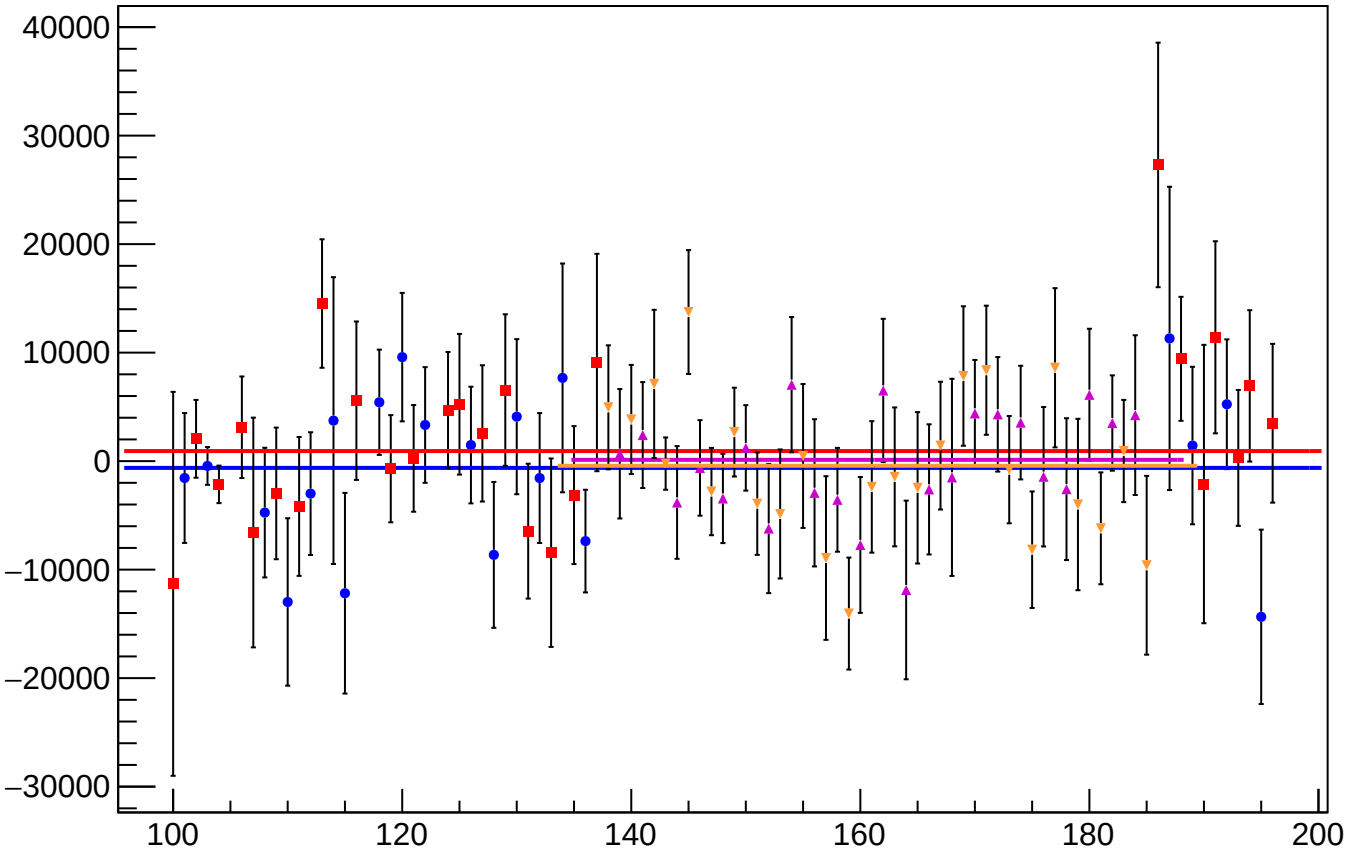
Right Out: 1319.348+/-0.277 χ^2/NDF: 487851.9/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.211+/-0.170 χ^2/NDF: 711752.1/44

All: 1292.026+/-0.119 χ^2/NDF: 1256543.6/93

- sign 1291.845+/-0.168 χ^2/NDF: 544789.1/48



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

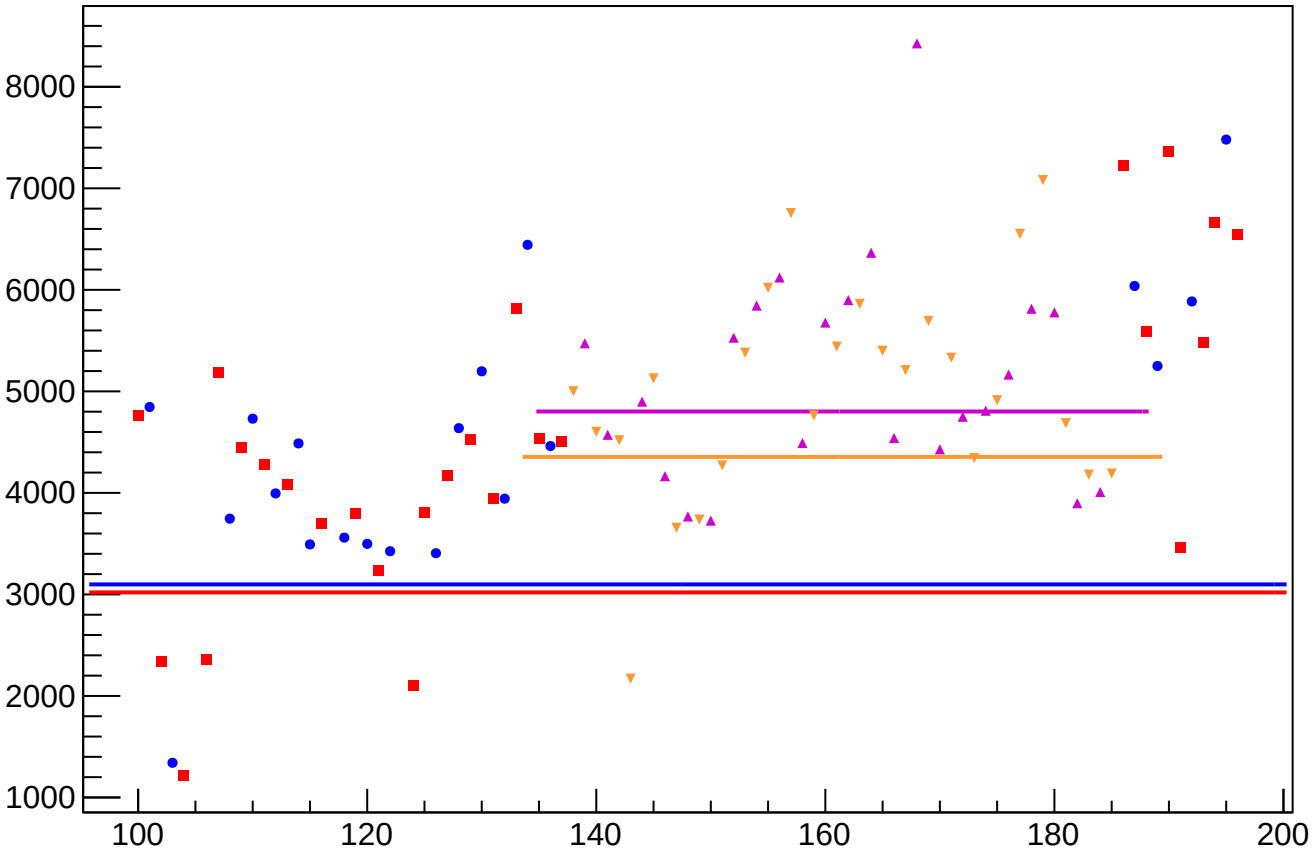
Right Out: 927.189+/-1025.309 χ^2/NDF: 26.6/25

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -517.515+/-764.528 χ^2/NDF: 49.2/44

All: 25.585+/-540.322 χ^2/NDF: 90.7/93

- sign 567.560+/-763.735 χ^2/NDF: 40.5/48



Right In: 3098.800+/-0.799 χ^2/NDF: 4414683.5/19

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

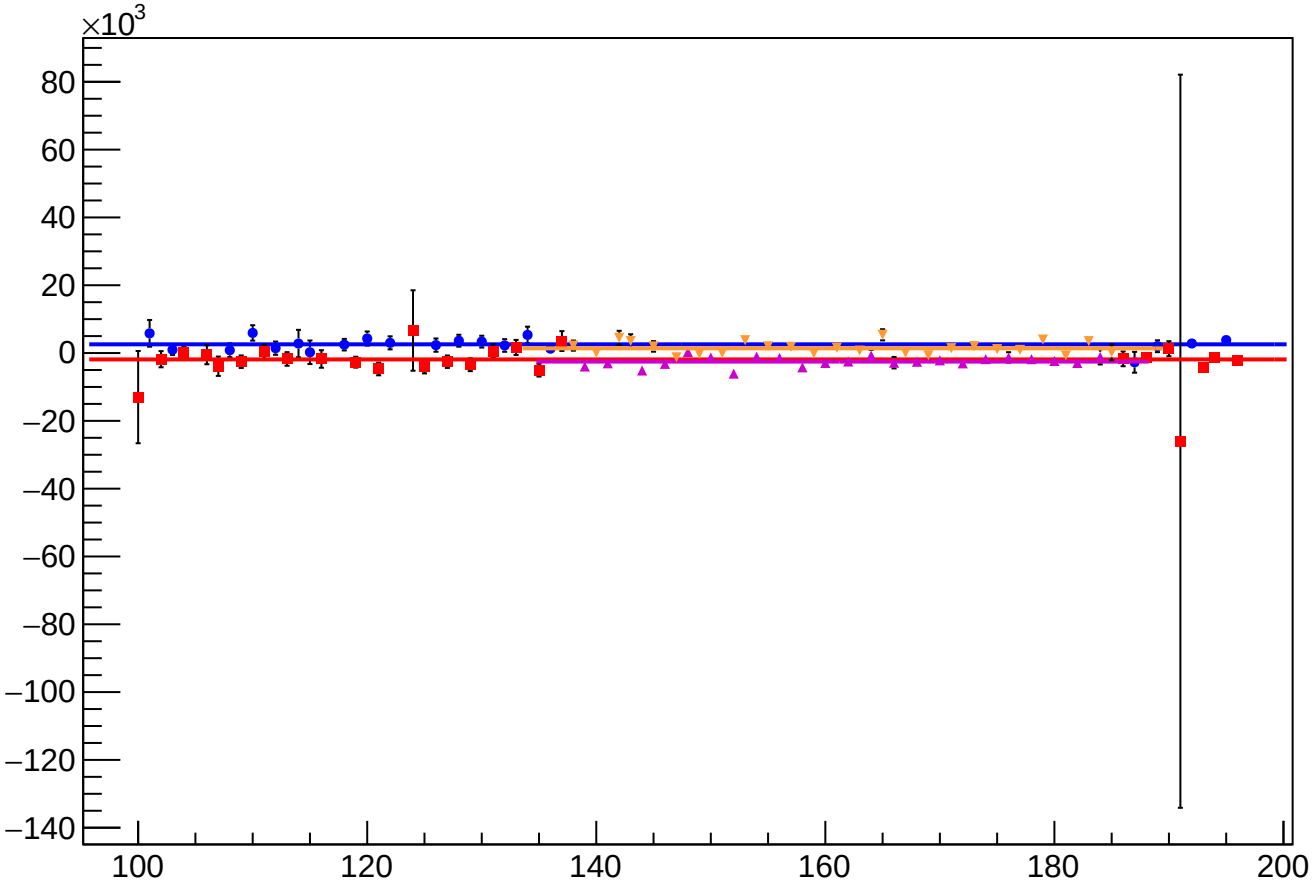
Right Out: 3019.489+/-0.725 χ^2/NDF: 5608773.4/25

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3779.964+/-0.541 χ^2/NDF: 8825335.6/44

All: 3796.390+/-0.382 χ^2/NDF: 18357410.1/9

- sign 3812.781+/-0.540 χ^2/NDF: 9530230.0/48



Right In: 2573.530+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1878.998+/-392.473 χ^2/NDF: 24.5/25

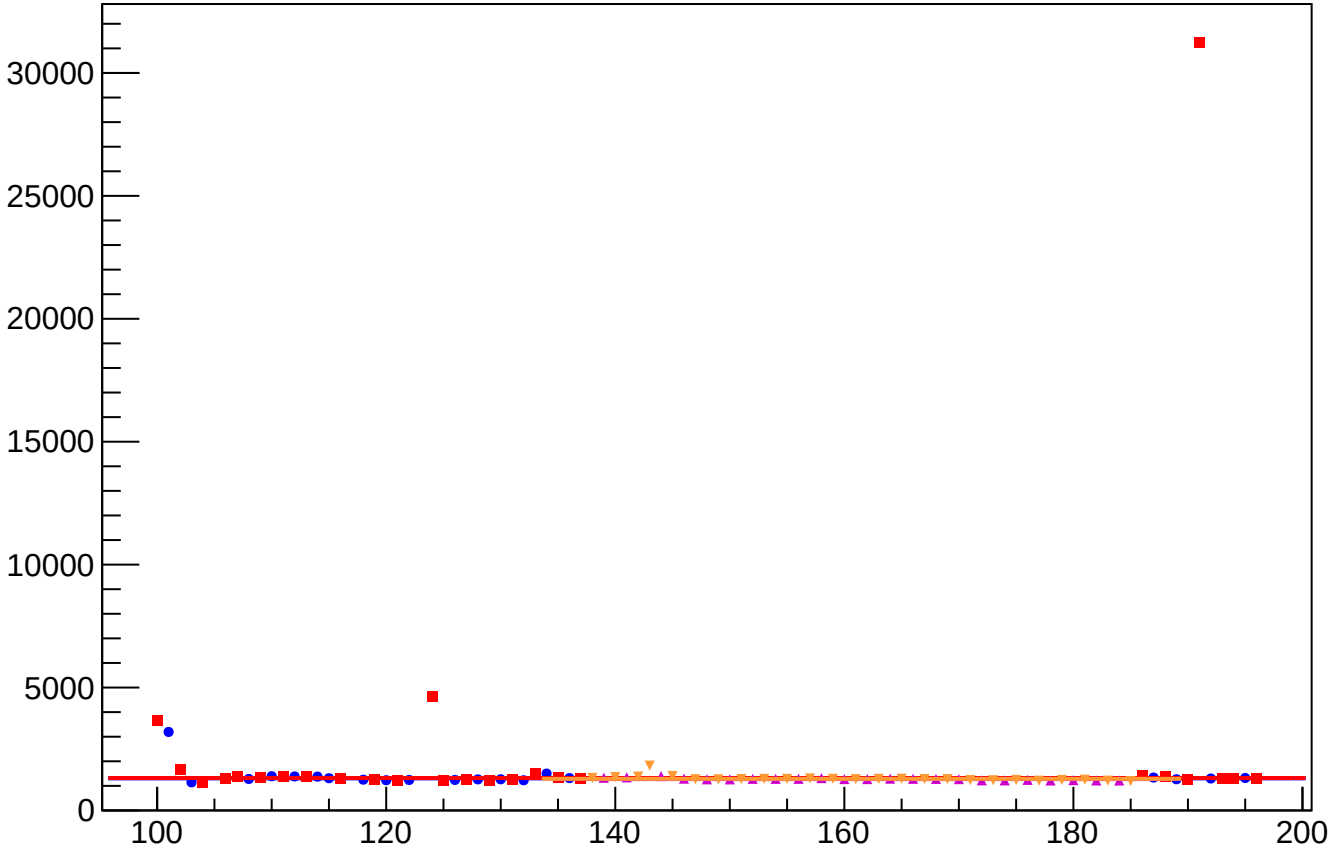
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.672+/-240.746 χ^2/NDF: 51.2/44

All: -286.701+/-169.033 χ^2/NDF: 243.6/93

- sign -2285.095+/-237.386 χ^2/NDF: 48.7/48

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.913+/-0.299 χ^2/NDF: 517622.1/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

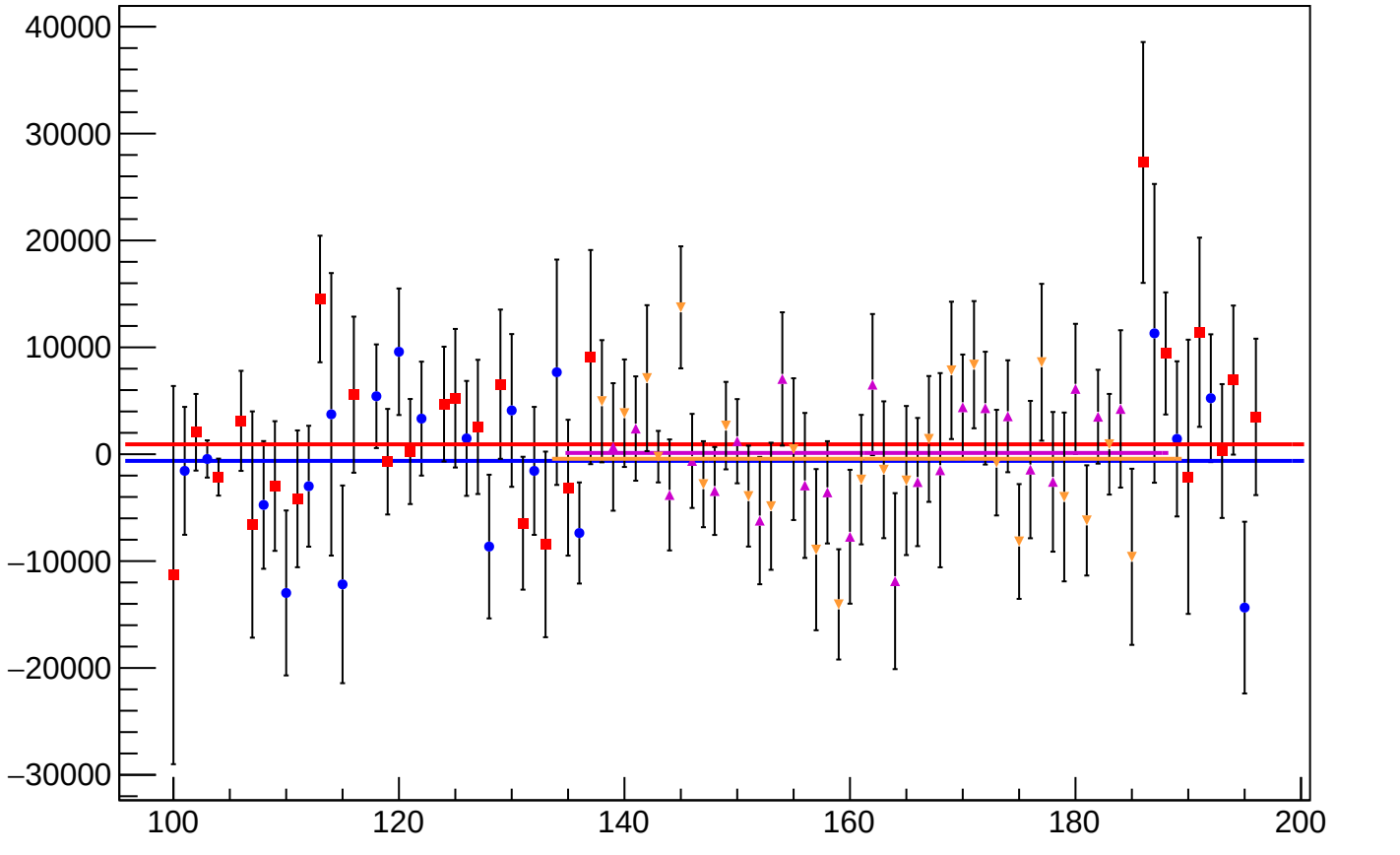
Right Out: 1319.348+/-0.277 χ^2/NDF: 487851.9/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.211+/-0.170 χ^2/NDF: 711752.1/44

All: 1292.026+/-0.119 χ^2/NDF: 1256543.6/93

- sign 1291.845+/-0.168 χ^2/NDF: 544789.1/48



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

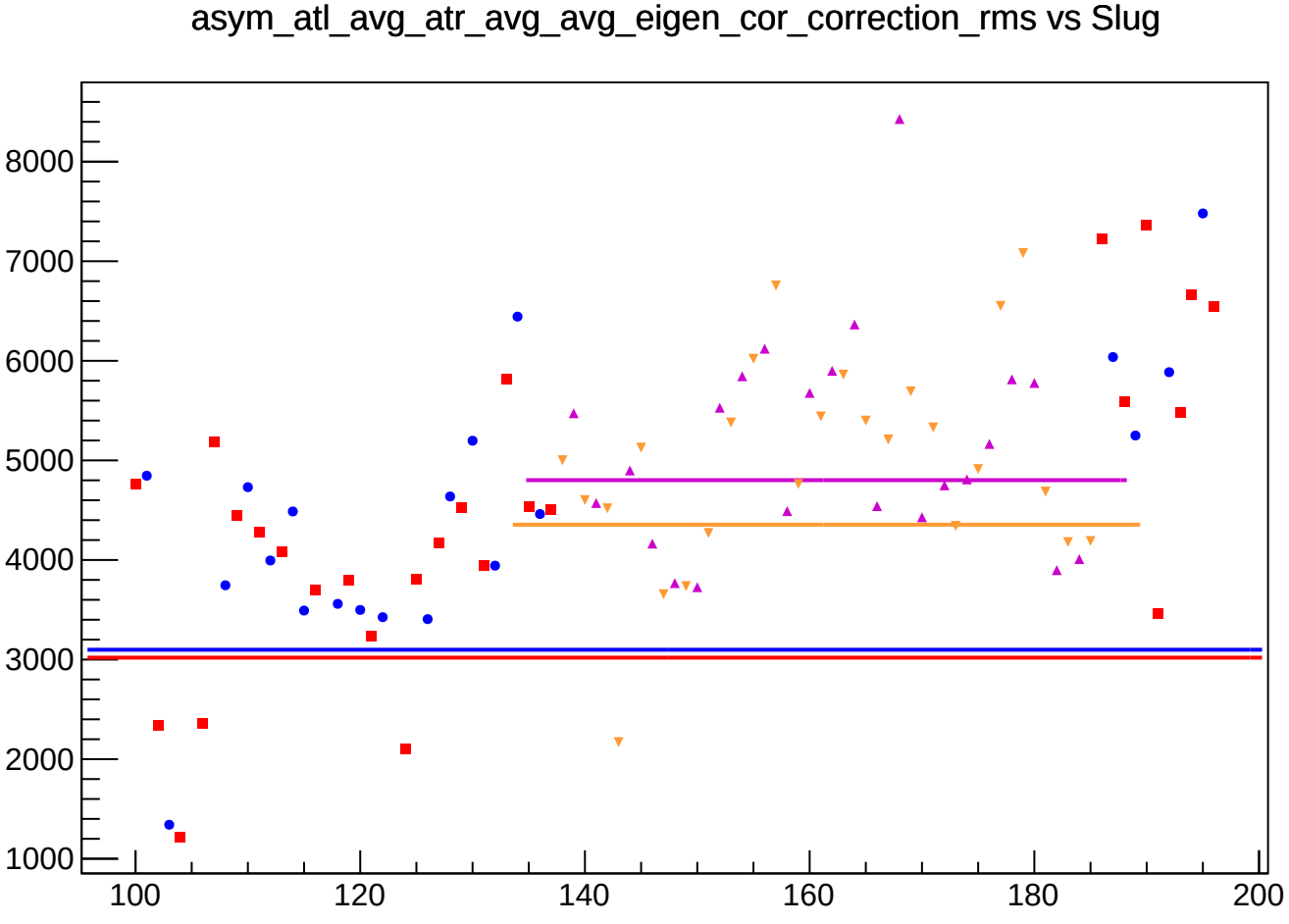
Right Out: 927.189+/-1025.309 χ^2/NDF: 26.6/25

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -517.515+/-764.528 χ^2/NDF: 49.2/44

All: 25.585+/-540.322 χ^2/NDF: 90.7/93

- sign 567.560+/-763.735 χ^2/NDF: 40.5/48



Right In: 3098.800+/-0.799 χ^2/NDF: 4414683.5/19

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3019.489+/-0.725 χ^2/NDF: 5608773.4/25

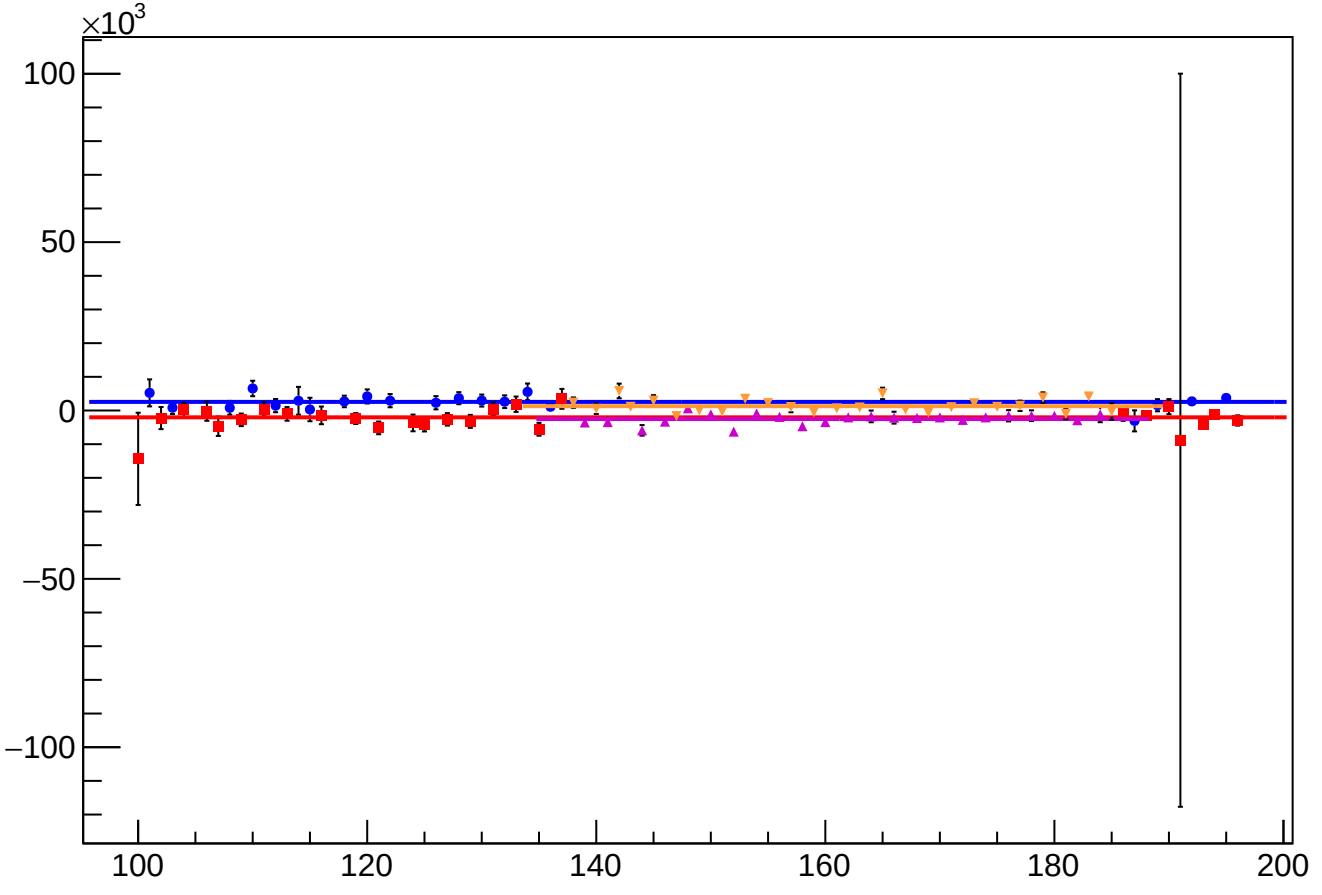
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3779.964+/-0.541 χ^2/NDF: 8825335.6/44

All: 3796.390+/-0.382 χ^2/NDF: 18357410.1/9

- sign 3812.781+/-0.540 χ^2/NDF: 9530230.0/48

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2557.843+/-436.203 χ^2/NDF: 13.6/19

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2028.337+/-400.342 χ^2/NDF: 25.9/25

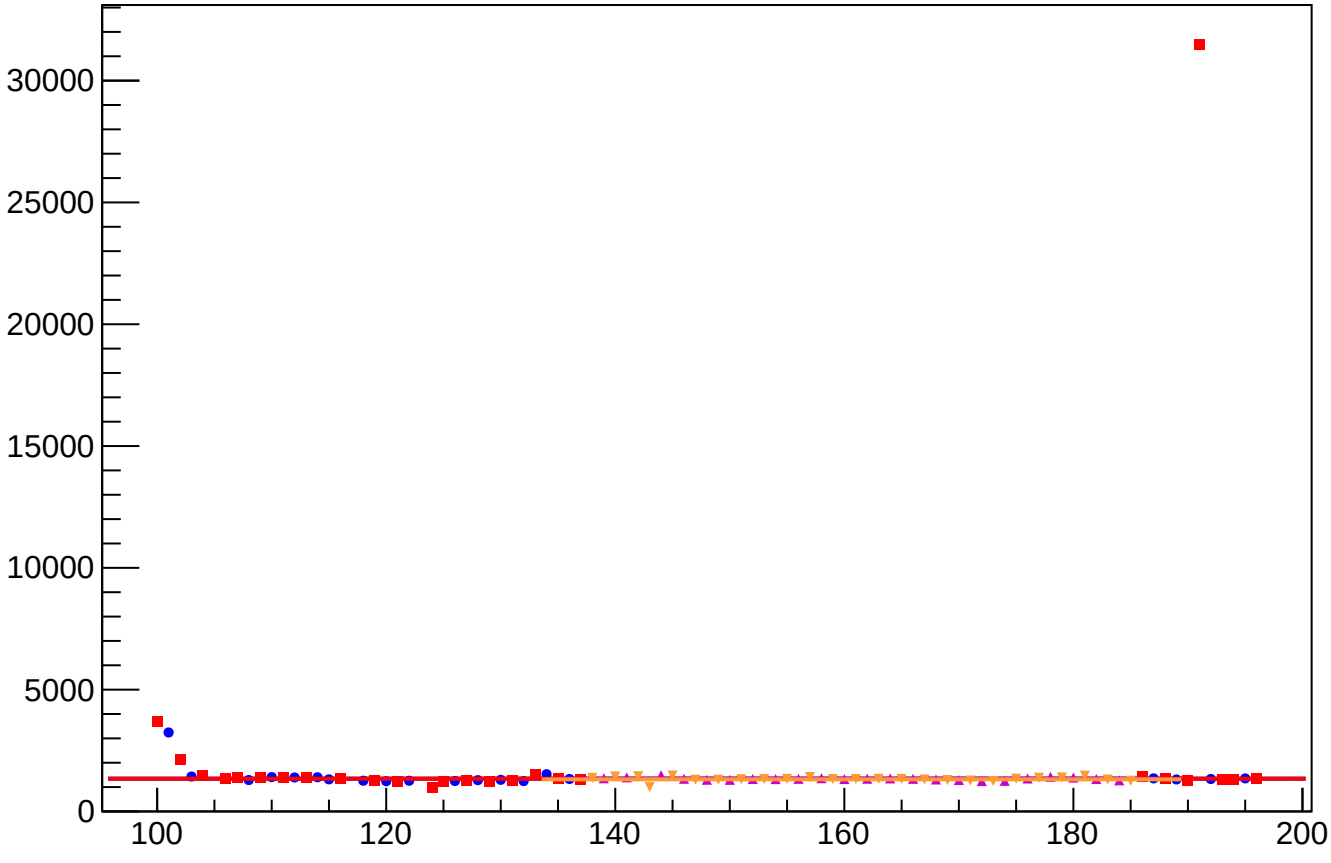
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1694.317+/-247.479 χ^2/NDF: 52.7/44

All: -331.066+/-174.656 χ^2/NDF: 238.0/93

- sign -2340.882+/-246.526 χ^2/NDF: 51.9/48

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1346.890+/-0.308 χ^2/NDF: 495186.4/19

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

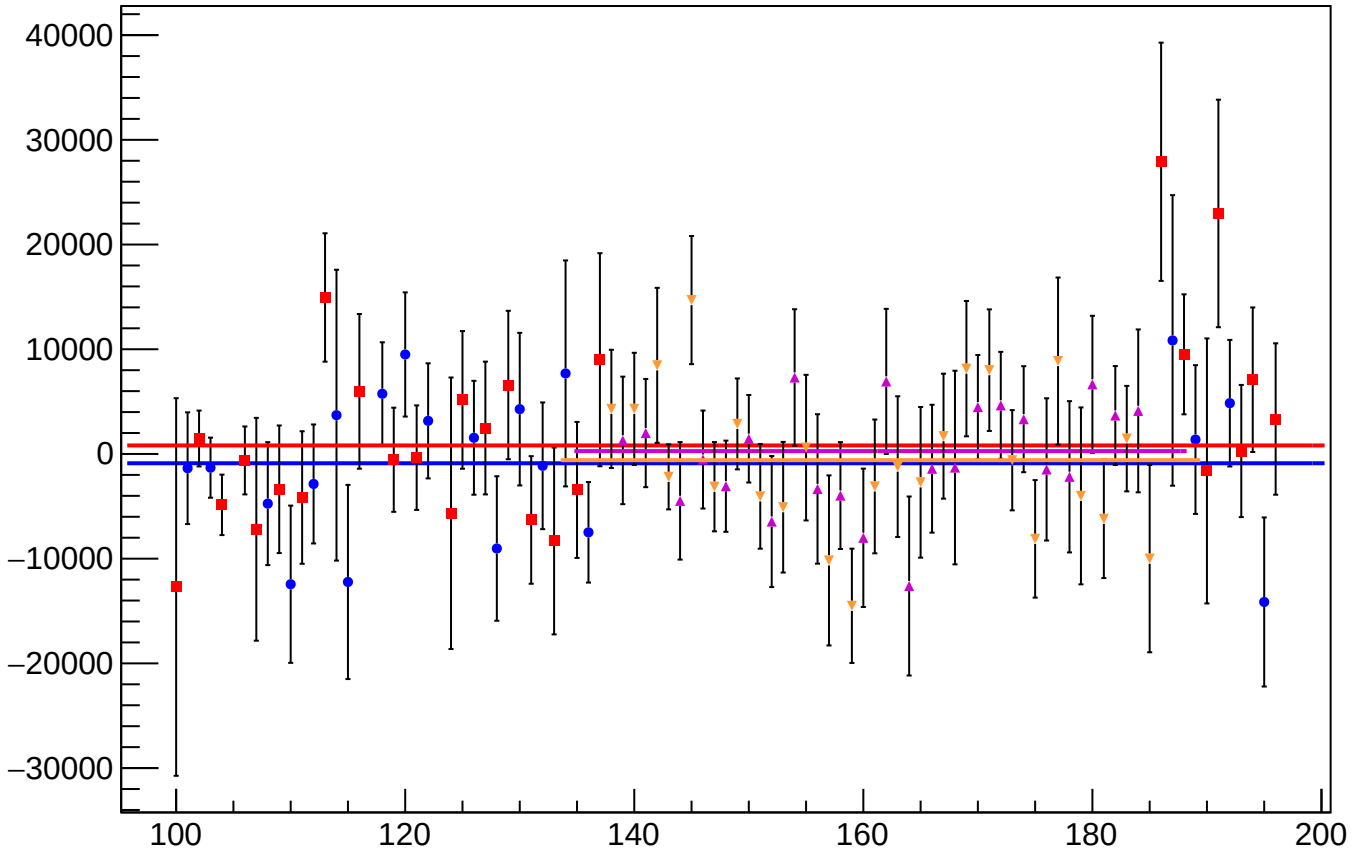
Right Out: 1343.387+/-0.283 χ^2/NDF: 433966.4/25

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1327.418+/-0.175 χ^2/NDF: 749611.7/44

All: 1333.944+/-0.123 χ^2/NDF: 1240774.4/93

- sign 1340.418+/-0.174 χ^2/NDF: 488392.3/48



Right In: -888.914+/-1319.102 χ^2/NDF: 19.0/19

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

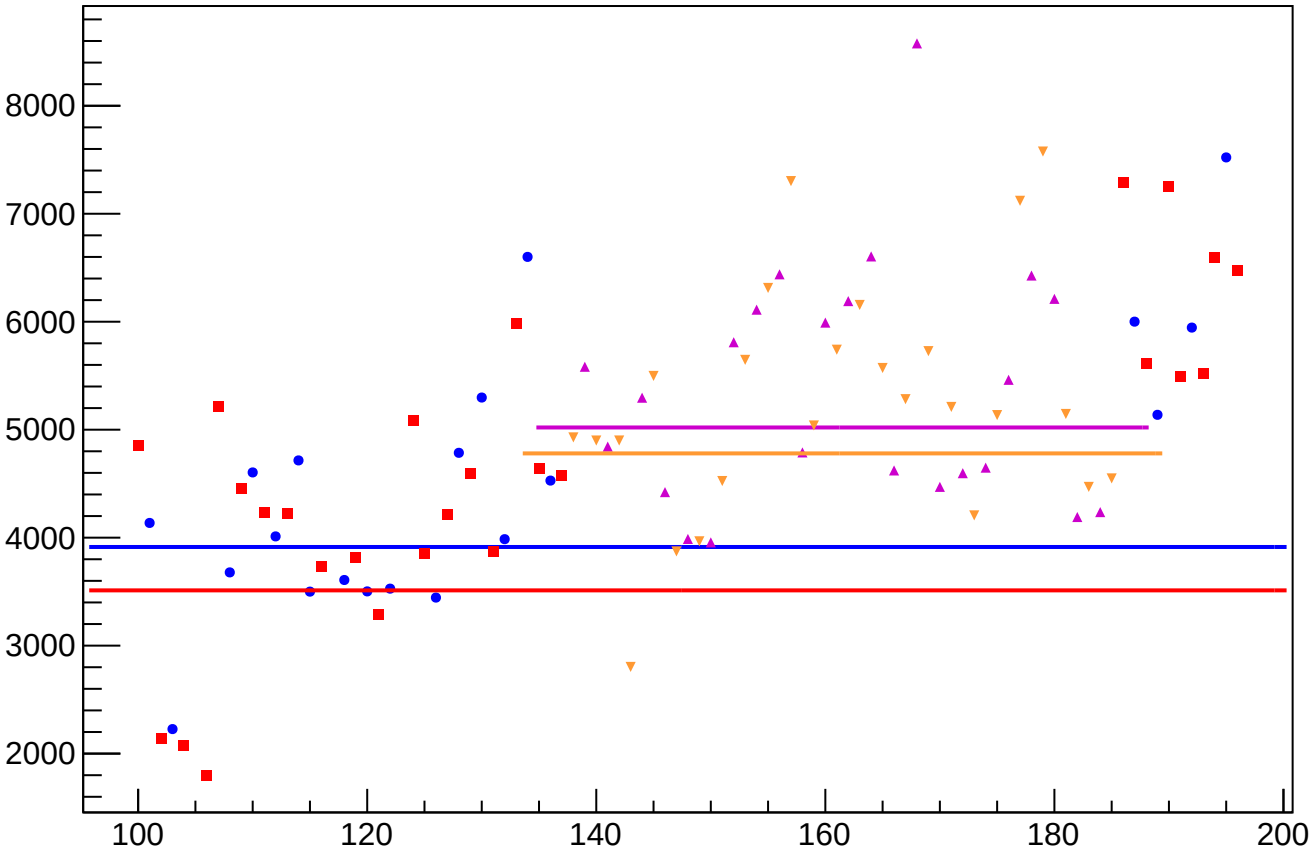
Right Out: 811.991+/-1111.333 χ^2/NDF: 30.3/25

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -718.367+/-854.779 χ^2/NDF: 48.6/44

All: -47.004+/-589.615 χ^2/NDF: 93.6/93

- sign 562.388+/-814.372 χ^2/NDF: 43.8/48



Right In: 3913.675+/-0.933 χ^2/NDF: 1759288.1/19

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

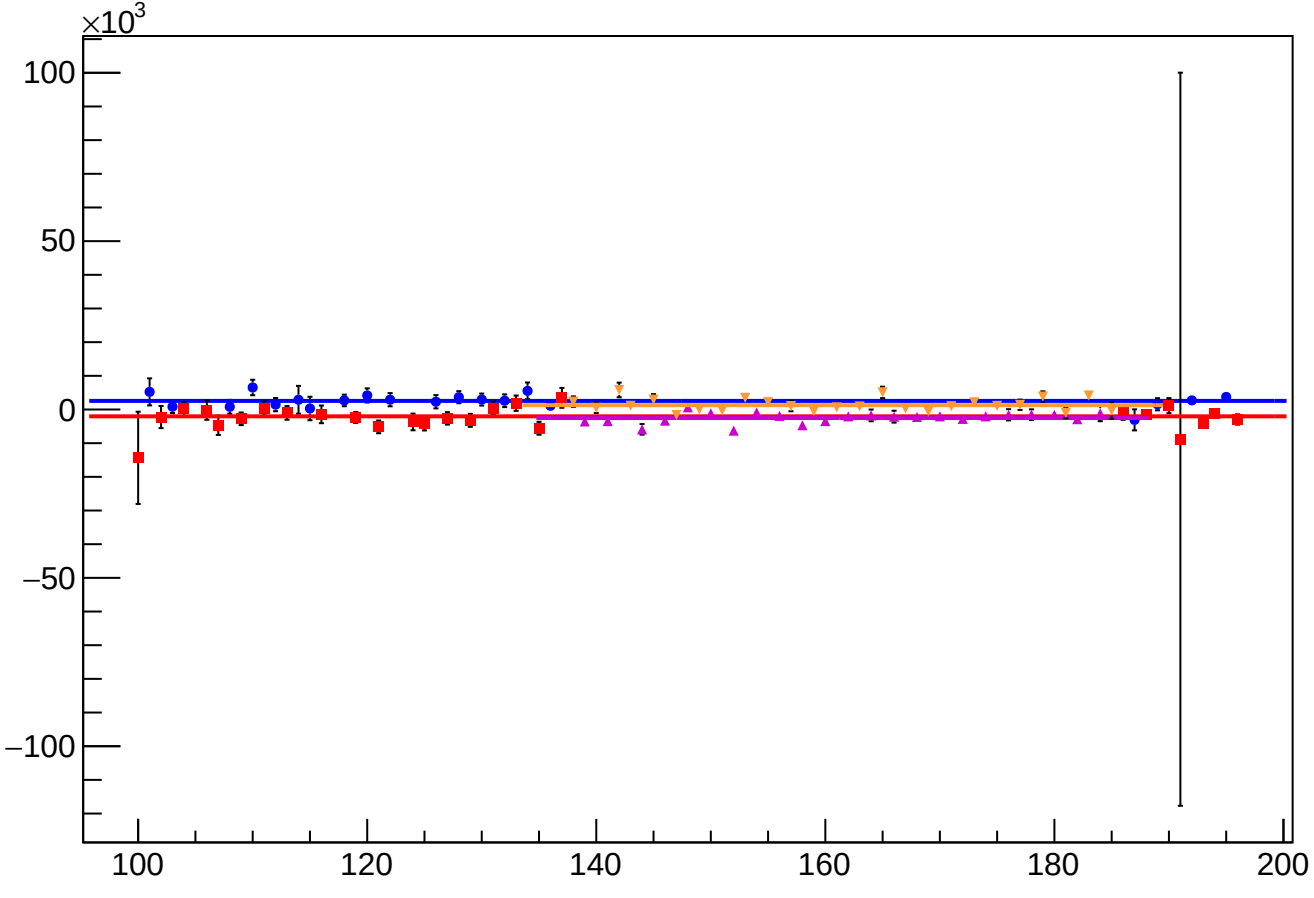
Right Out: 3511.789+/-0.786 χ^2/NDF: 3776962.3/25

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4416.456+/-0.604 χ^2/NDF: 4266410.8/44

All: 4308.432+/-0.417 χ^2/NDF: 11036221.8/9

- sign 4210.380+/-0.576 χ^2/NDF: 6708875.9/48



Right In: 2557.841+/-436.203 χ^2/NDF: 13.6/19

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2028.337+/-400.342 χ^2/NDF: 25.9/25

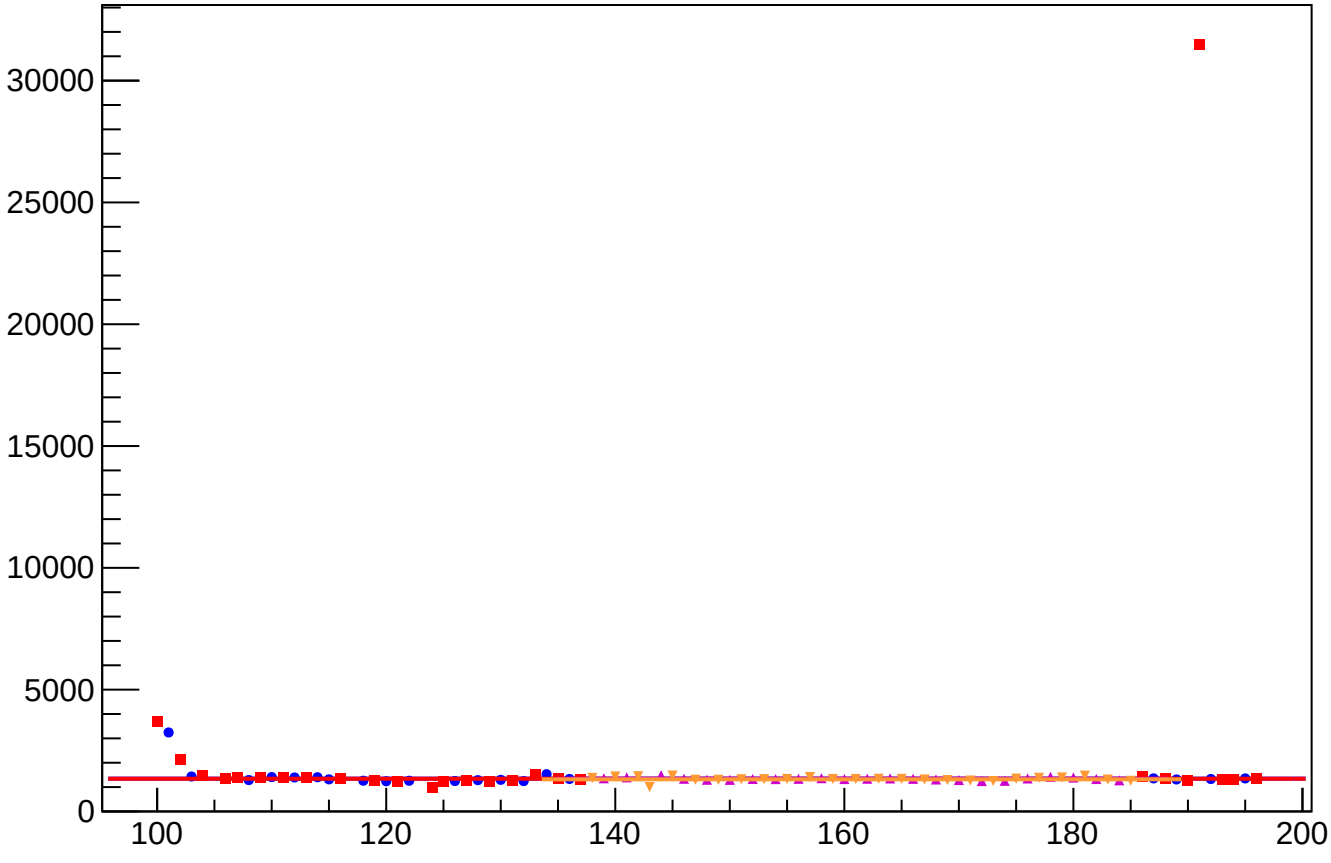
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1694.313+/-247.479 χ^2/NDF: 52.7/44

All: -331.068+/-174.657 χ^2/NDF: 238.0/93

- sign -2340.882+/-246.527 χ^2/NDF: 51.9/48

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1346.890+/-0.308 χ^2/NDF: 495186.6/19

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

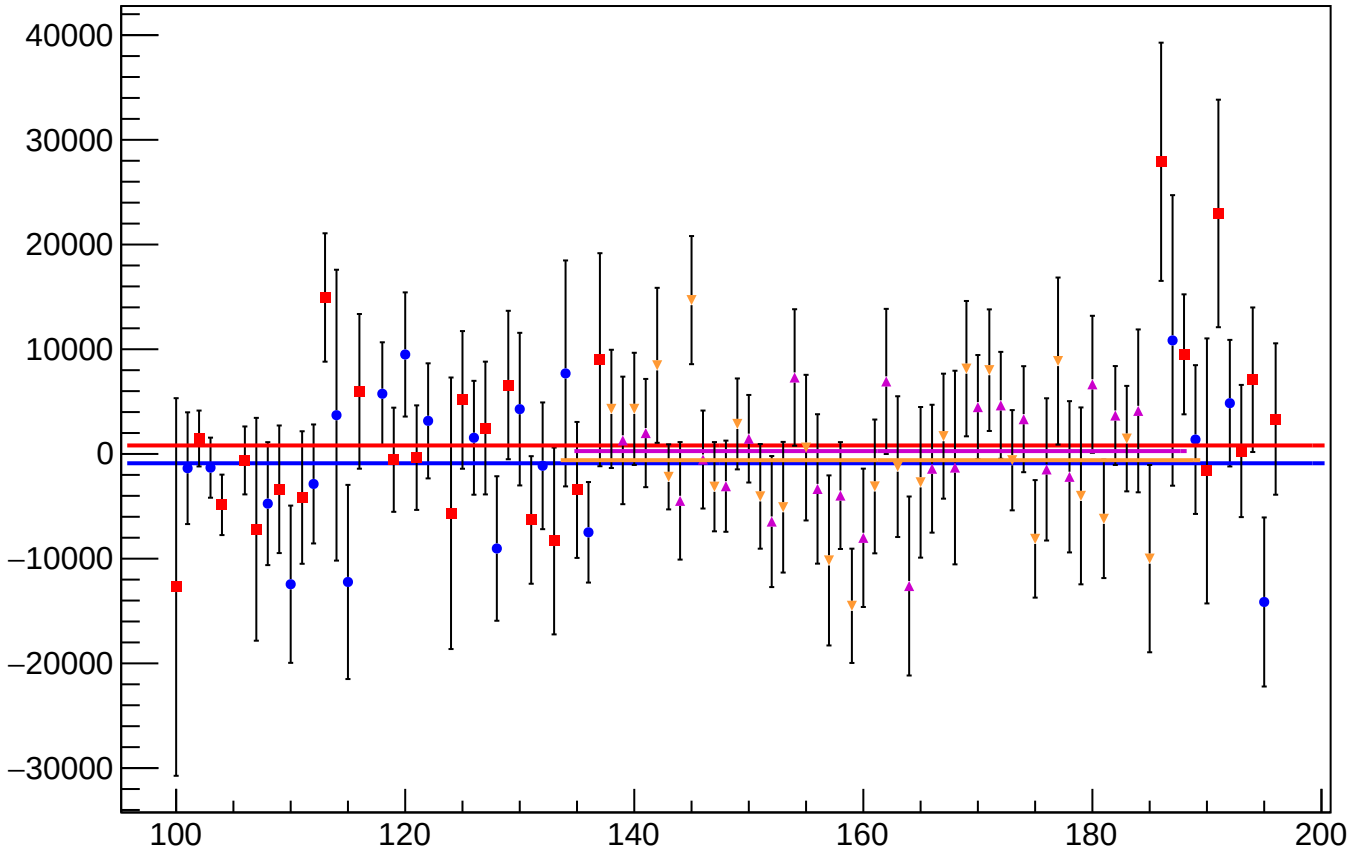
Right Out: 1343.387+/-0.283 χ^2/NDF: 433965.3/25

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1327.418+/-0.175 χ^2/NDF: 749613.6/44

All: 1333.944+/-0.123 χ^2/NDF: 1240777.7/93

- sign 1340.418+/-0.174 χ^2/NDF: 488393.6/48



Right In: -888.906+/-1319.100 χ^2/NDF: 19.0/19

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

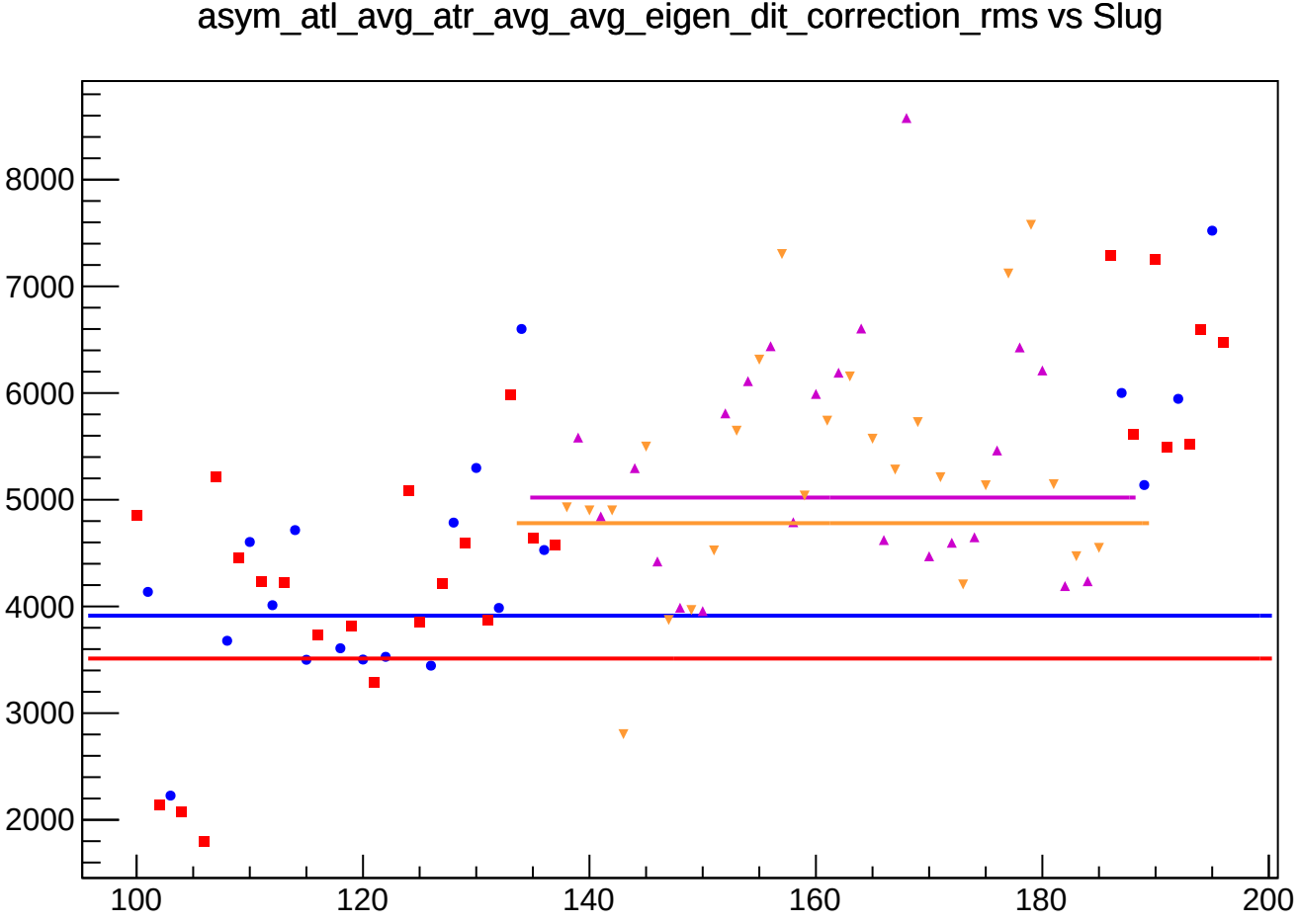
Right Out: 811.984+/-1111.330 χ^2/NDF: 30.3/25

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

\+ sign -718.367+/-854.779 χ^2/NDF: 48.6/44

All: -47.004+/-589.615 χ^2/NDF: 93.6/93

\- sign 562.386+/-814.372 χ^2/NDF: 43.8/48



Right In: 3913.666+/-0.933 χ^2/NDF: 1759300.3/19

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3511.780+/-0.786 χ^2/NDF: 3776980.1/25

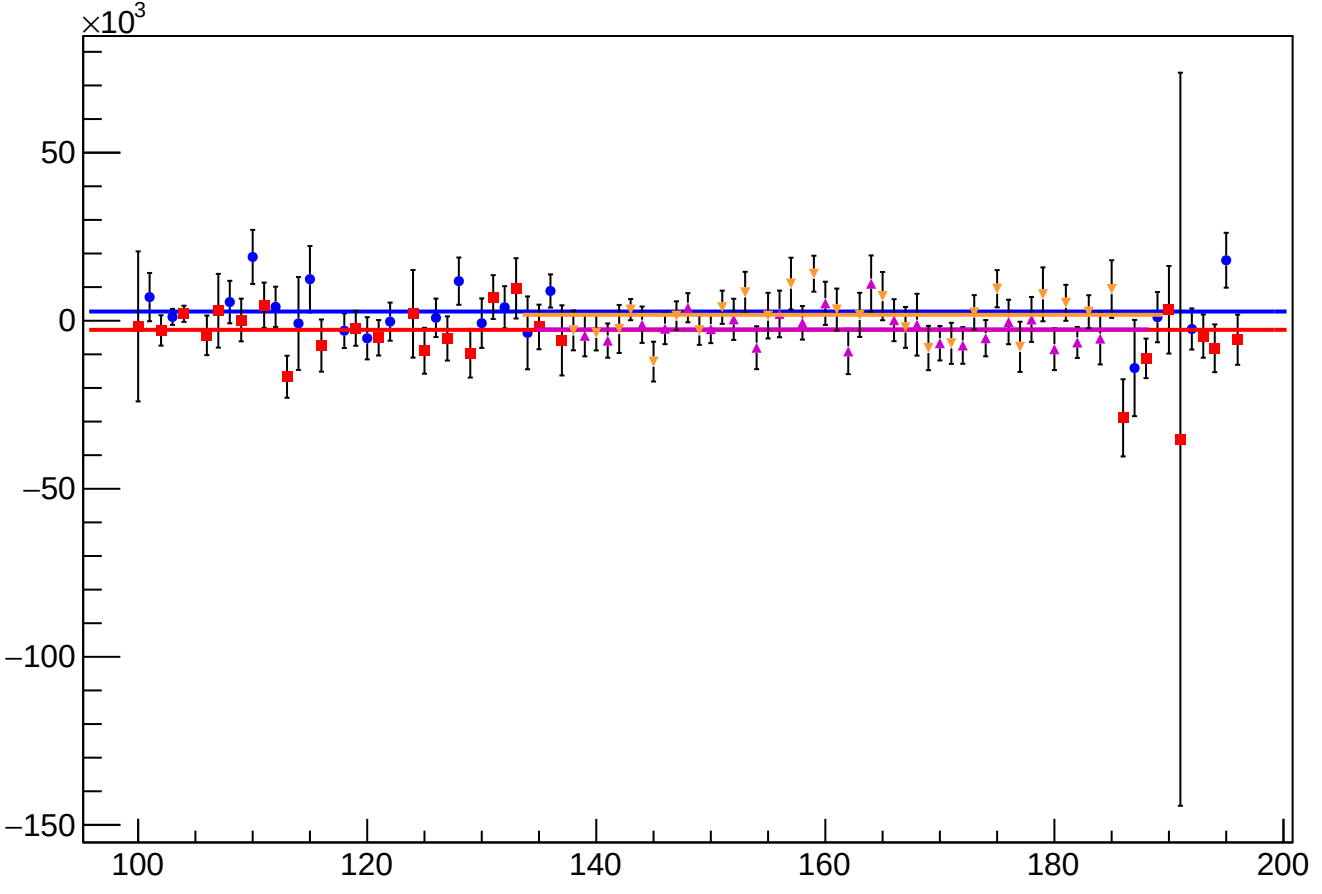
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4416.455+/-0.604 χ^2/NDF: 4266444.0/44

All: 4308.430+/-0.417 χ^2/NDF: 11036316.5/9

- sign 4210.376+/-0.576 χ^2/NDF: 6708935.3/48

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2739.275+/-1310.304 χ^2/NDF: 18.8/19

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2707.135+/-1227.447 χ^2/NDF: 25.9/25

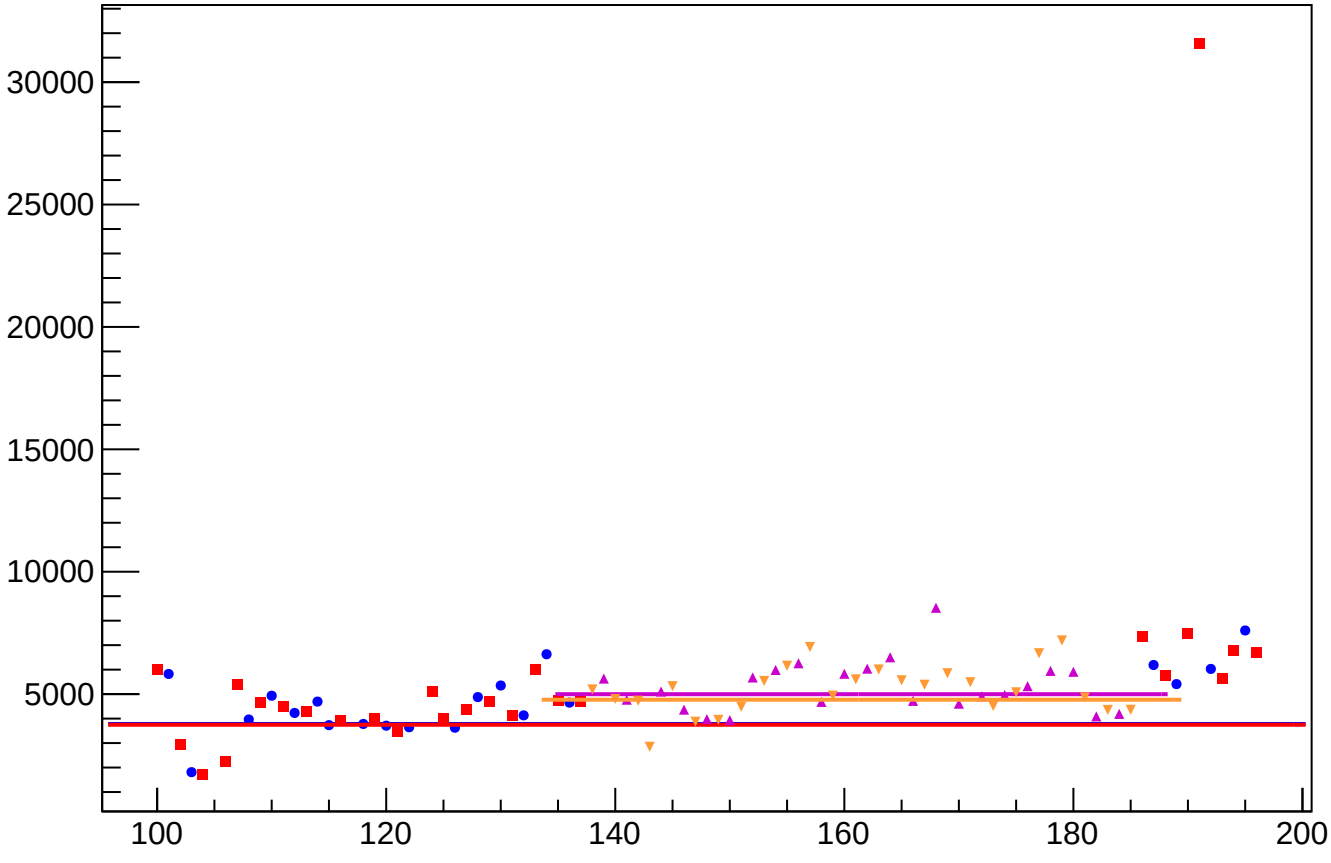
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2172.789+/-849.709 χ^2/NDF: 46.8/44

All: -222.752+/-602.281 χ^2/NDF: 102.0/93

- sign -2641.495+/-853.814 χ^2/NDF: 39.2/48

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3779.434+/-0.927 χ^2/NDF: 2800490.3/19

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

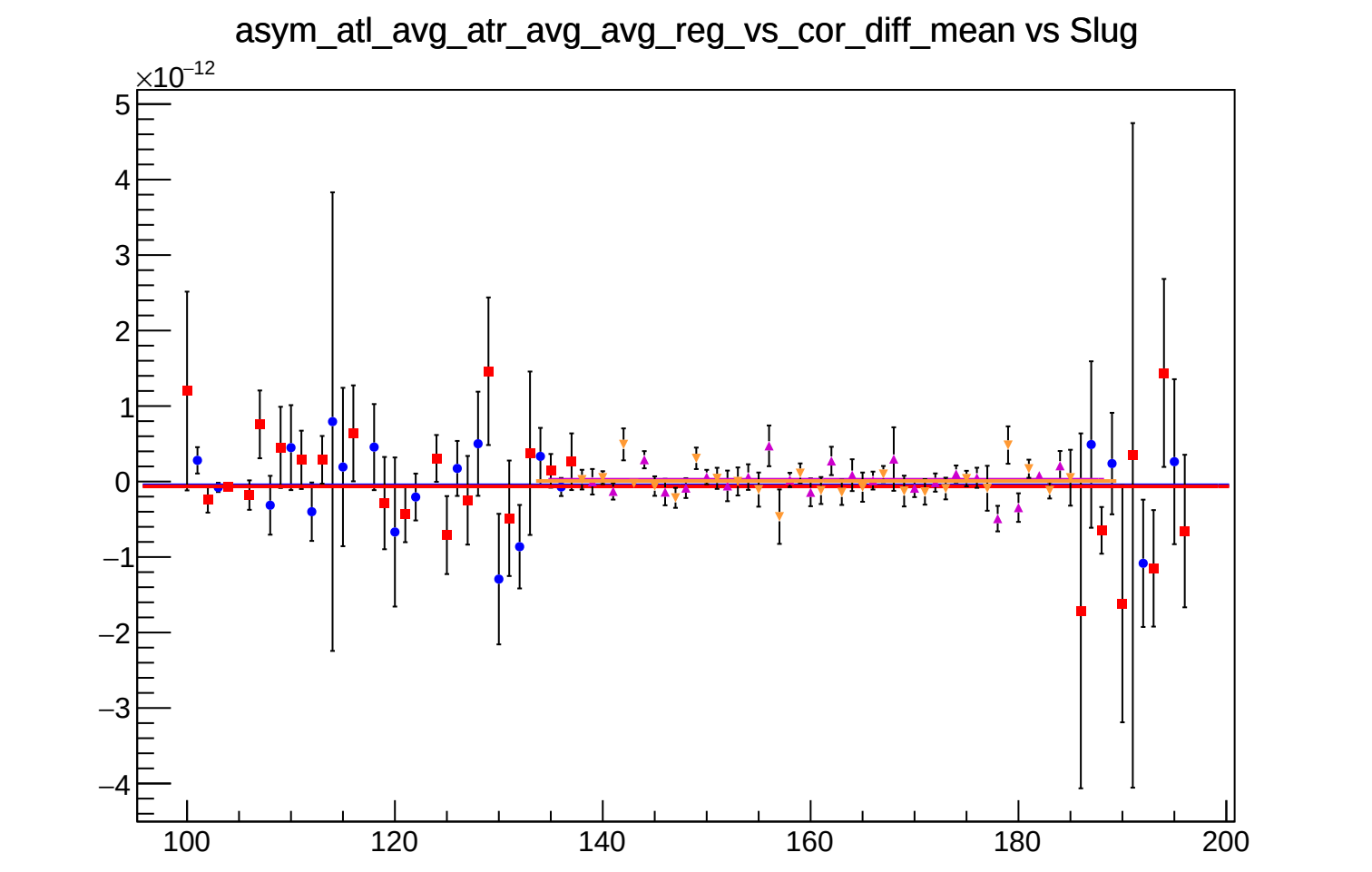
Right Out: 3747.978+/-0.858 χ^2/NDF: 3701317.4/25

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4354.118+/-0.601 χ^2/NDF: 5251503.4/44

All: 4369.697+/-0.425 χ^2/NDF: 11131271.1/9

- sign 4385.249+/-0.600 χ^2/NDF: 5878424.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

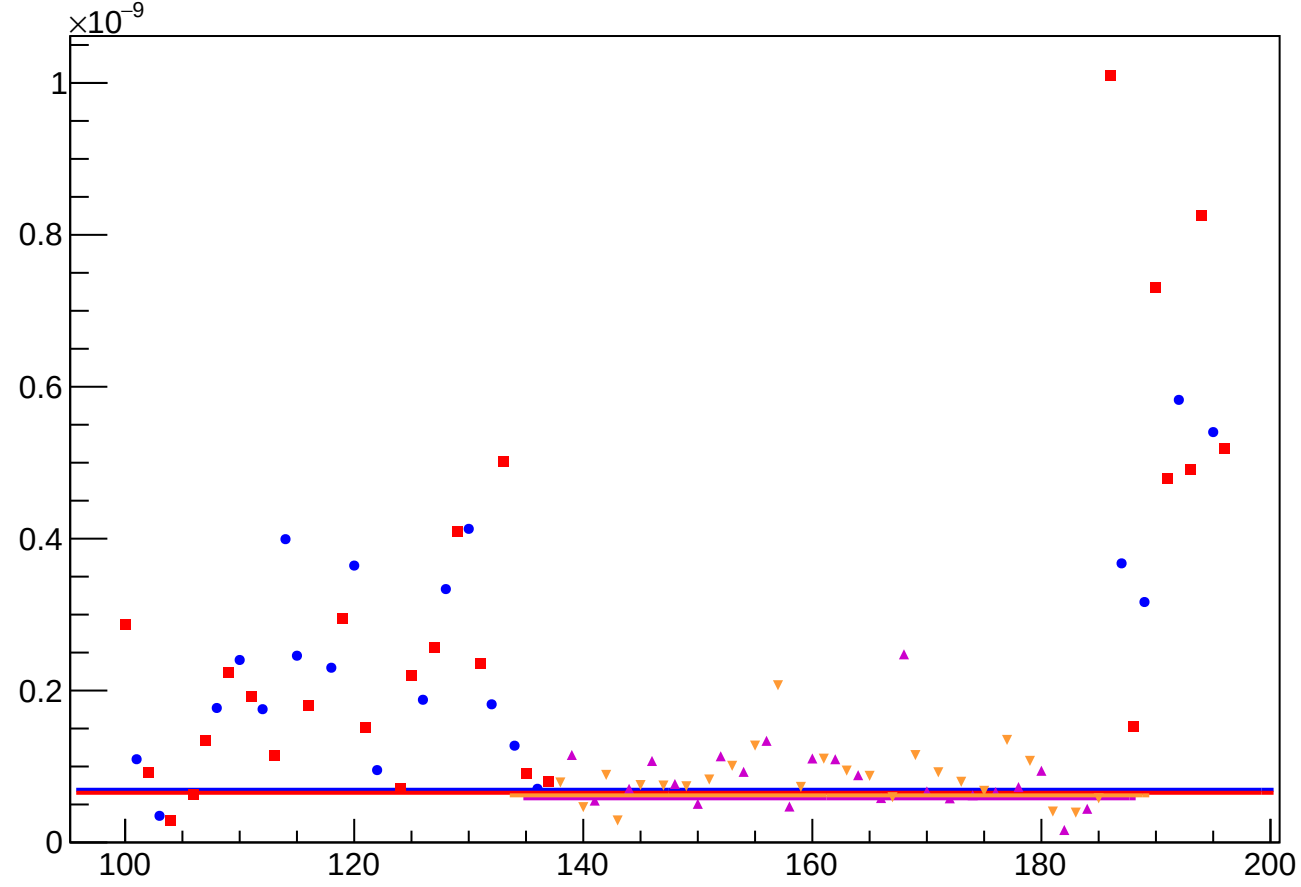
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/25

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/44

All: -0.000+/-0.000 χ^2/NDF: 105.9/93

- sign 0.000+/-0.000 χ^2/NDF: 61.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4139377.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

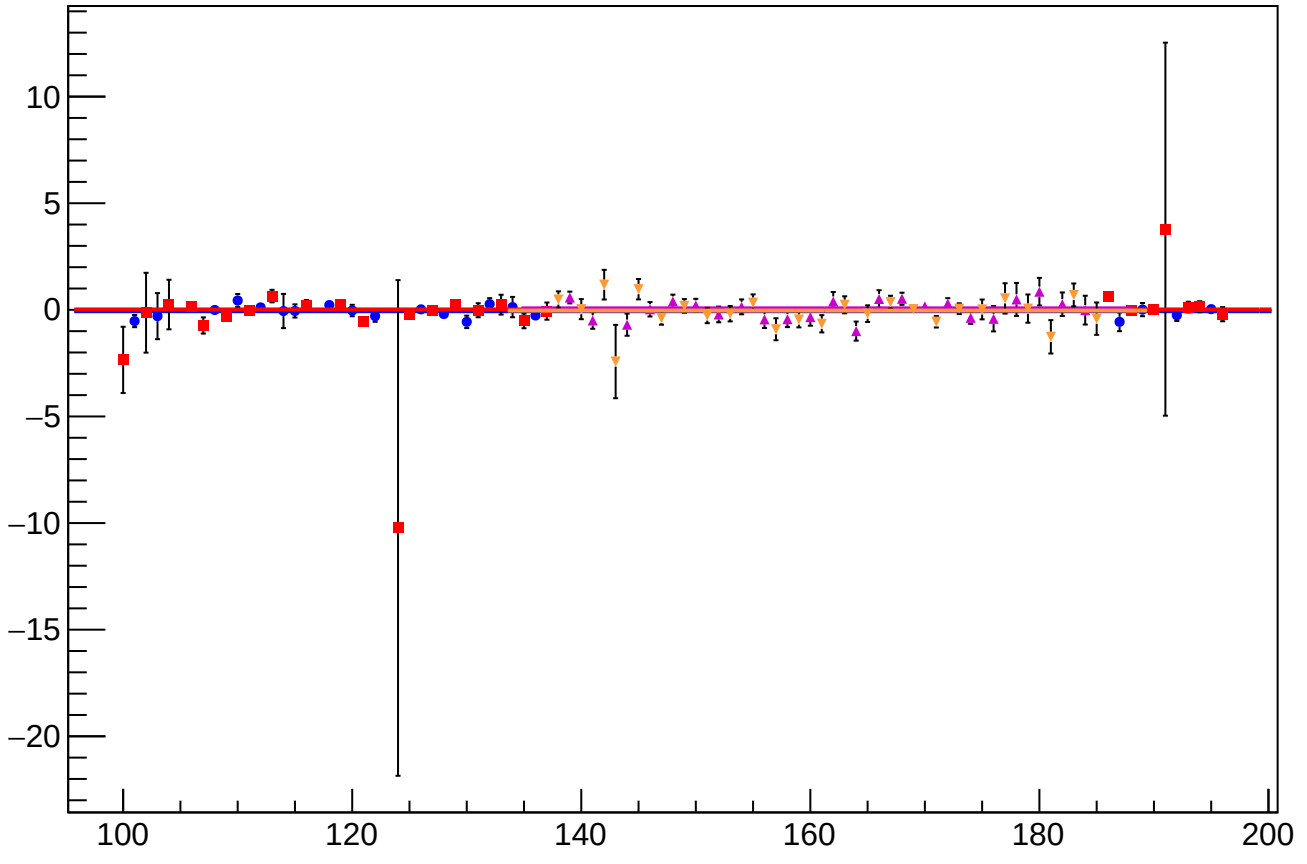
Right Out: 0.000+/-0.000 χ^2/NDF: 5512323.3/25

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6618812.3/44

All: 0.000+/-0.000 χ^2/NDF: 15162784.7/93

- sign 0.000+/-0.000 χ^2/NDF: 8516001.1/48



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

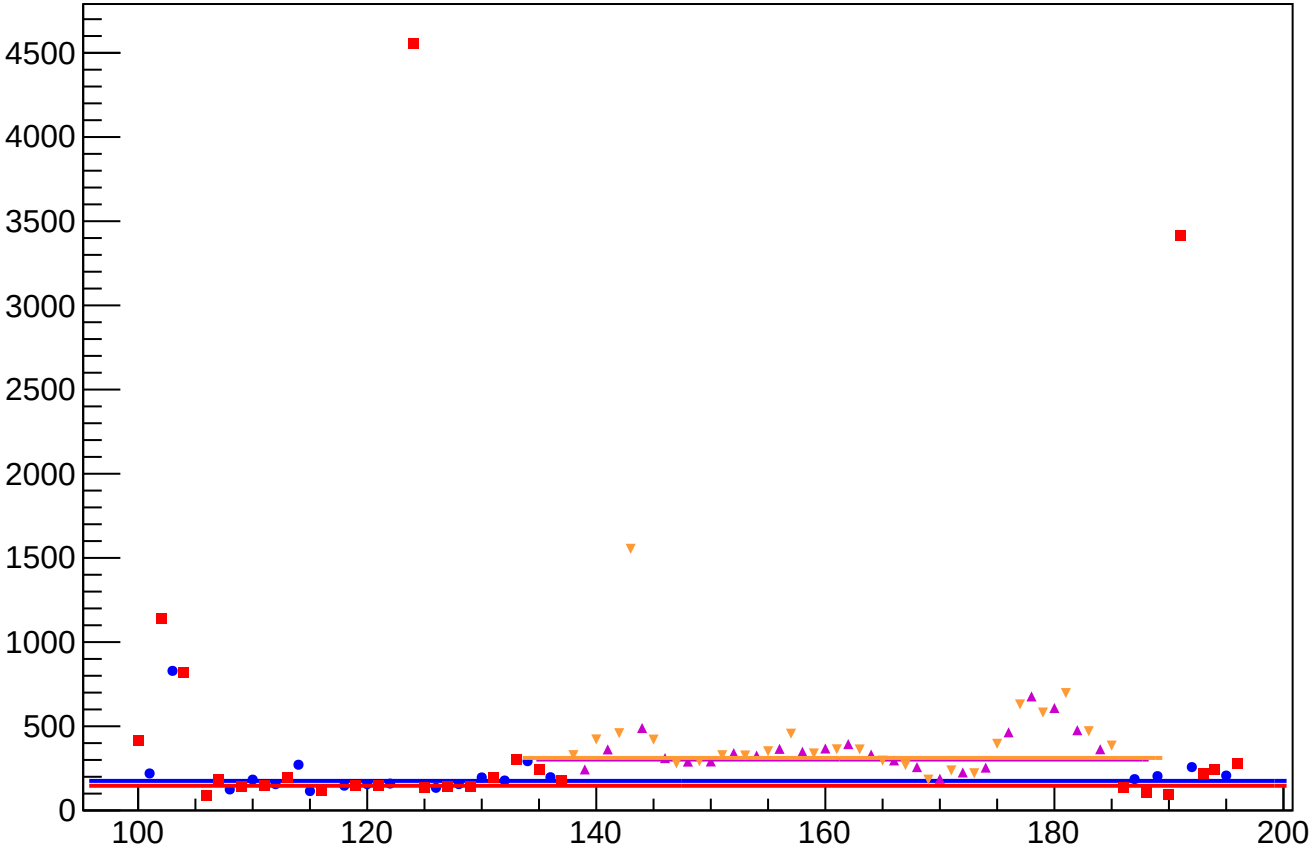
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.003+/-0.031 χ^2/NDF: 117.9/93

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 175.630+/-0.043 χ^2/NDF: 1563740.0/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

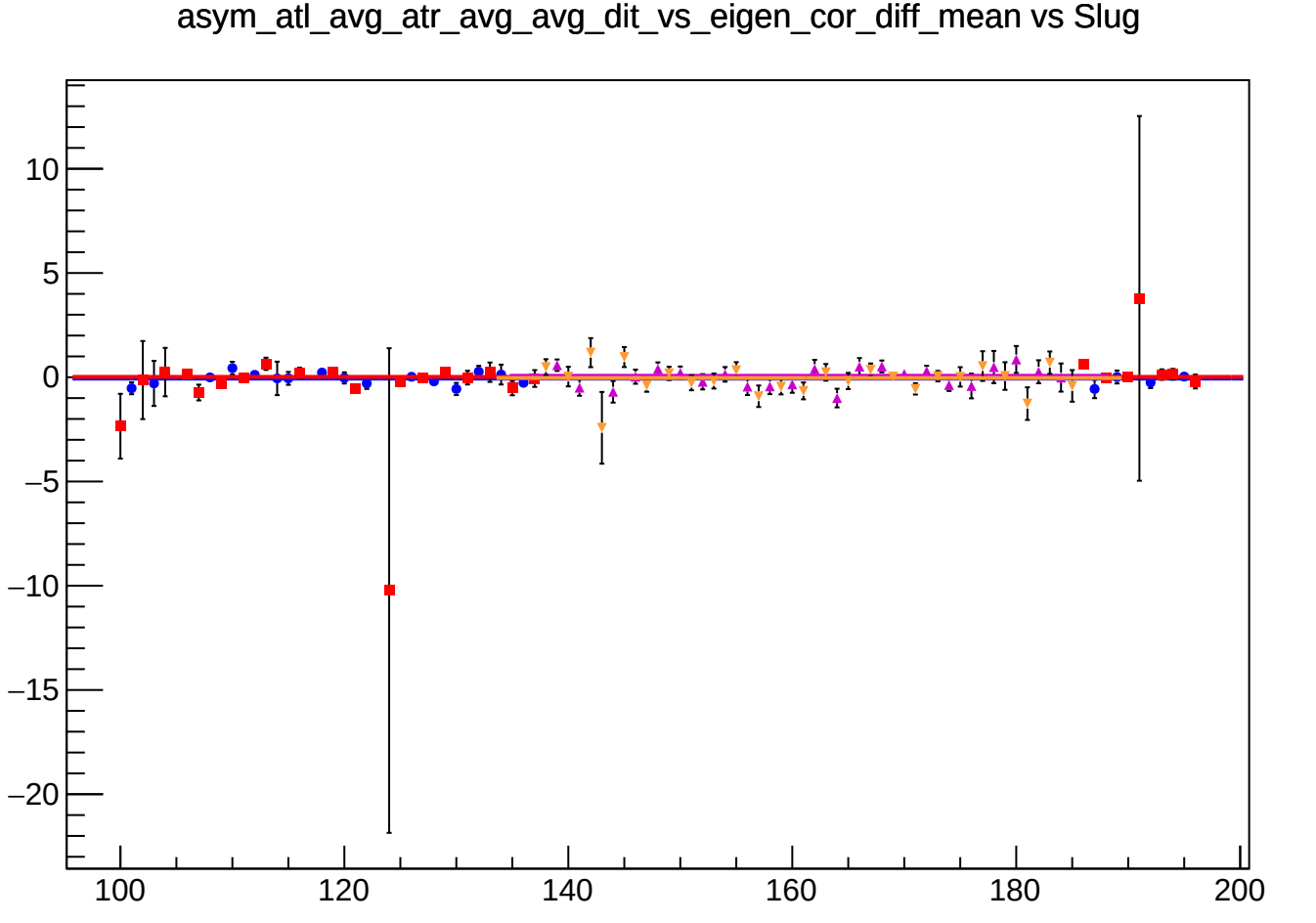
Right Out: 146.663+/-0.035 χ^2/NDF: 3846783.4/25

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.992+/-0.034 χ^2/NDF: 9808358.7/44

All: 208.368+/-0.022 χ^2/NDF: 23096765.2/93

- sign 193.655+/-0.029 χ^2/NDF: 12691544.1/48



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

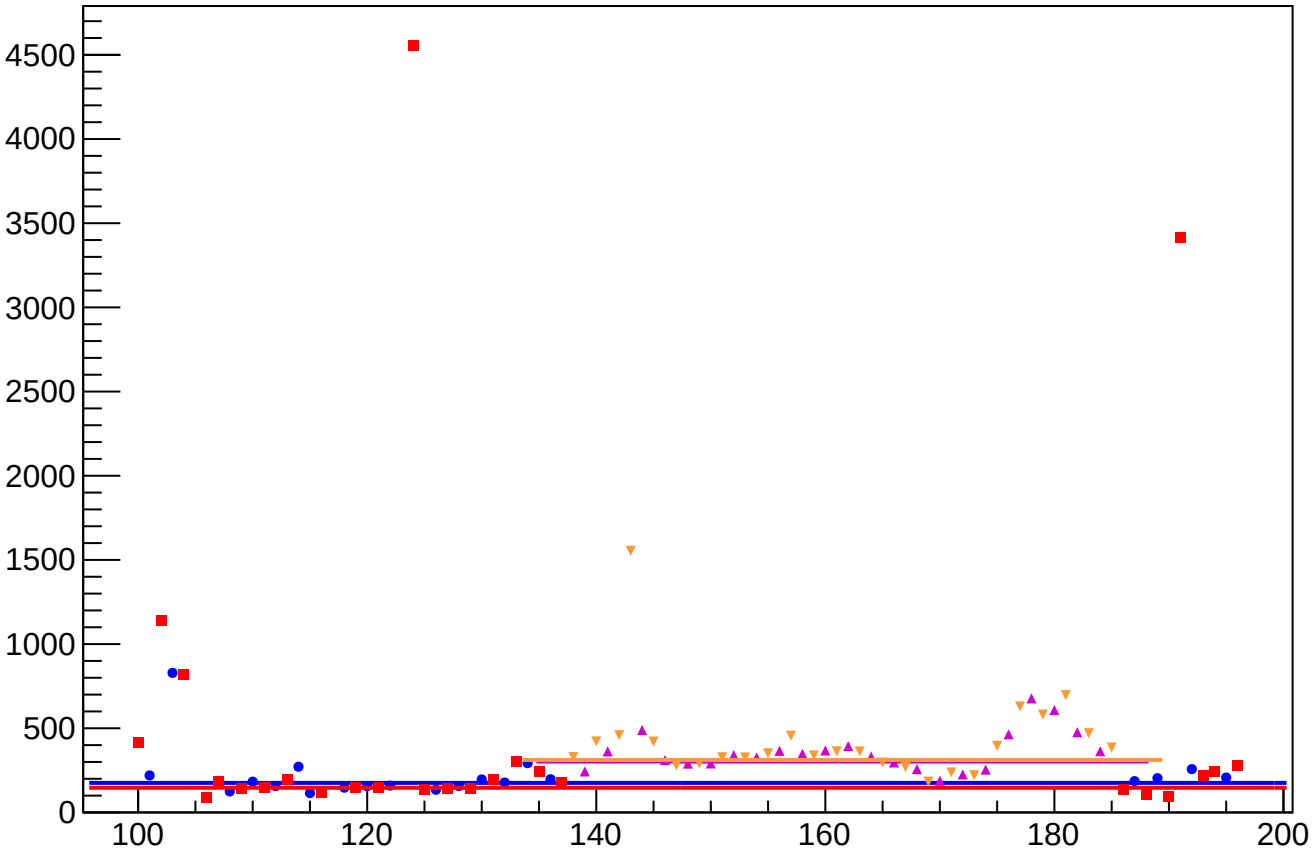
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.003+/-0.031 χ^2/NDF: 117.9/93

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 175.630+/-0.043 χ^2/NDF: 1563740.0/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

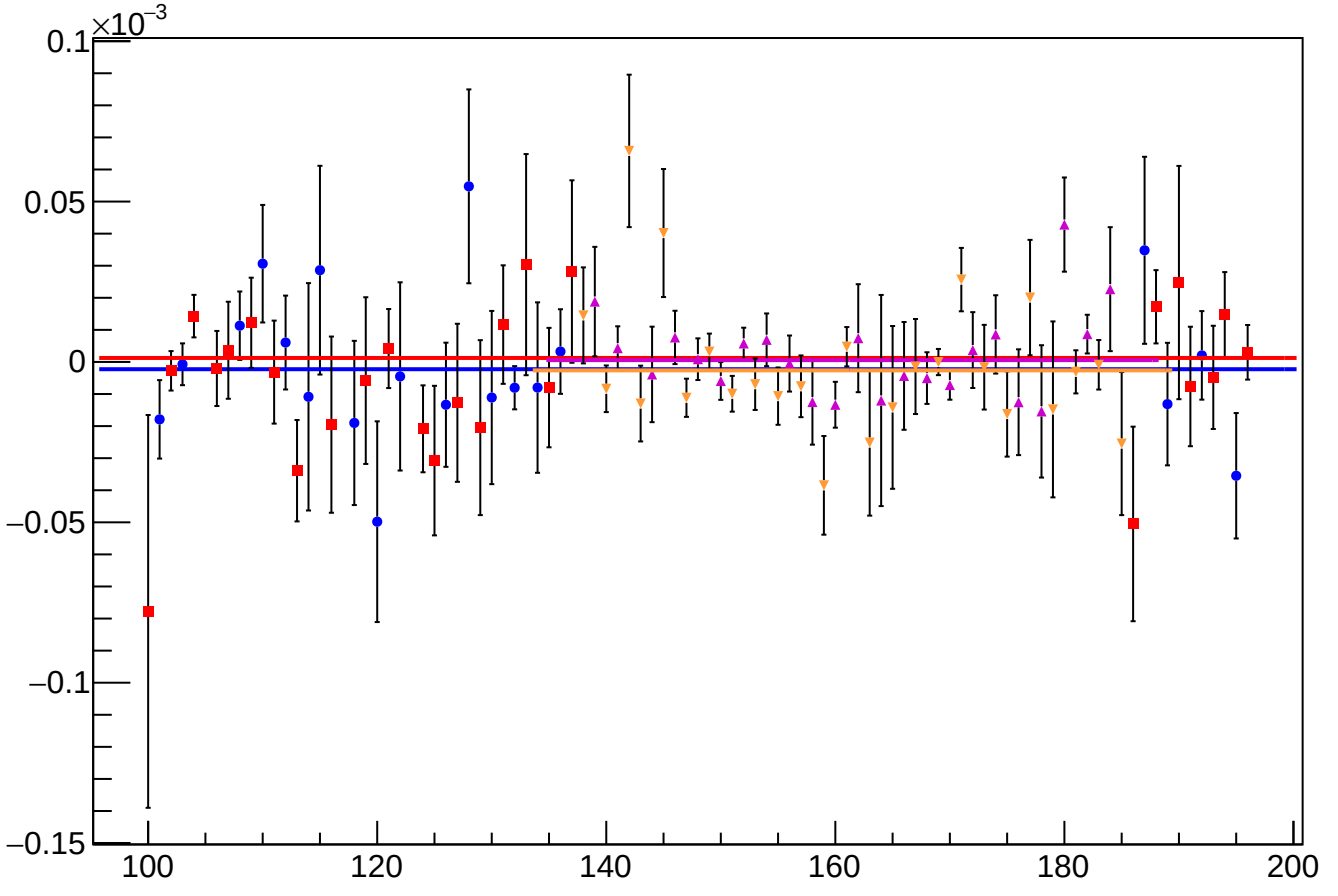
Right Out: 146.663+/-0.035 χ^2/NDF: 3846783.4/25

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.992+/-0.034 χ^2/NDF: 9808358.7/44

All: 208.368+/-0.022 χ^2/NDF: 23096765.2/93

- sign 193.655+/-0.029 χ^2/NDF: 12691544.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

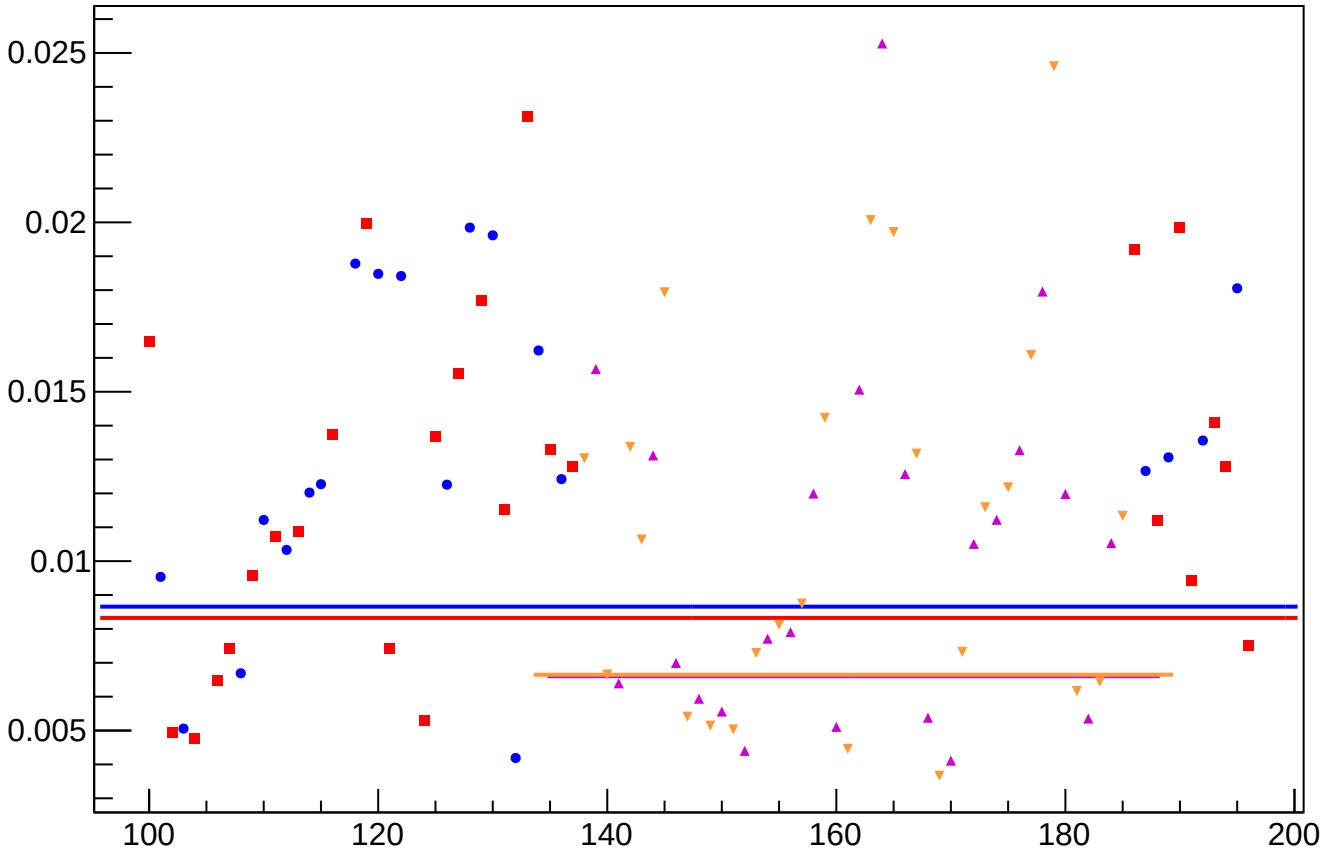
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/25

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/44

All: -0.000+/-0.000 χ^2/NDF: 119.0/93

- sign 0.000+/-0.000 χ^2/NDF: 53.7/48



Right In: 0.009+/-0.000 χ^2/NDF: 4264338.7/19

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

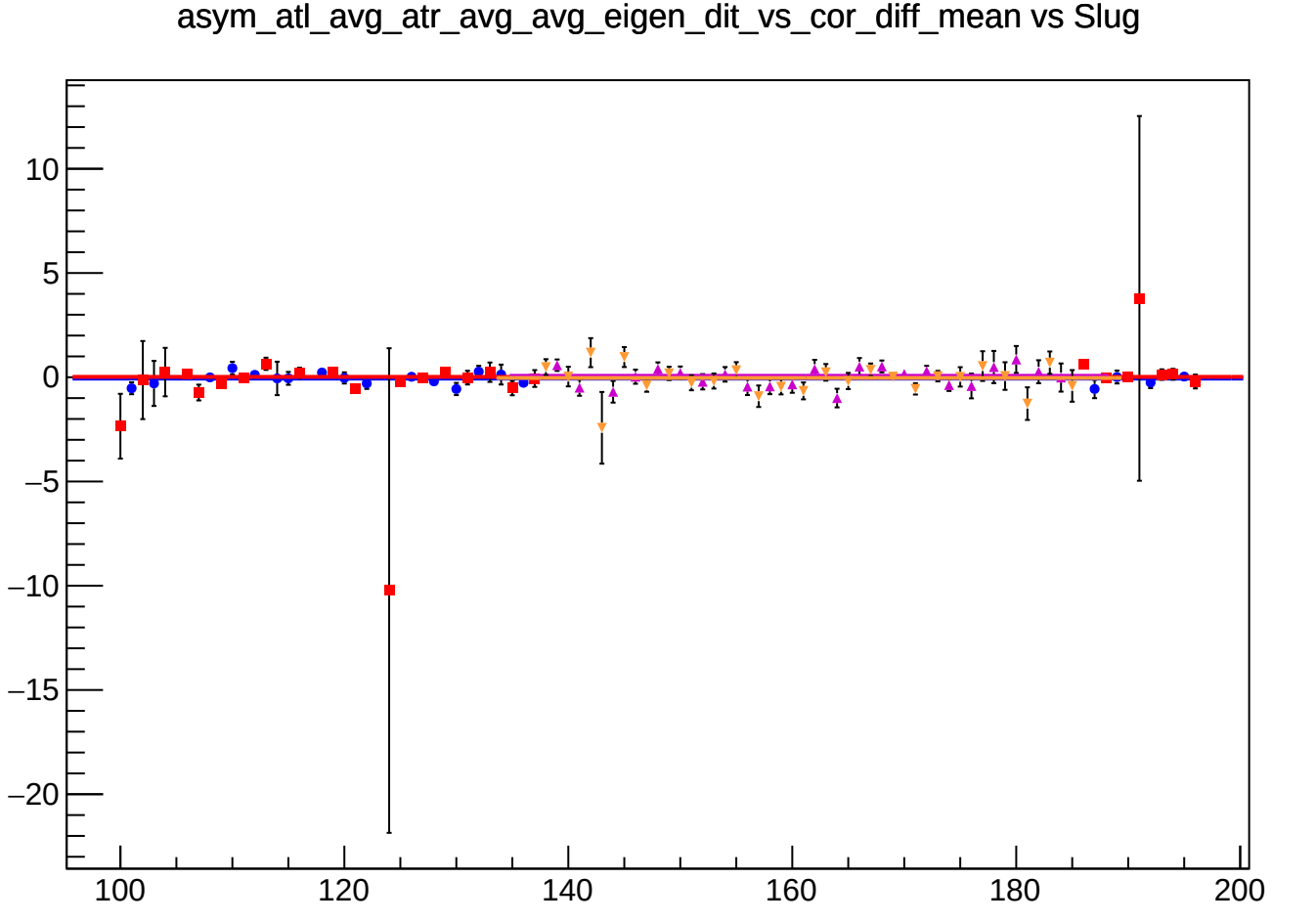
Right Out: 0.008+/-0.000 χ^2/NDF: 4197663.9/25

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12390548.1/44

All: 0.007+/-0.000 χ^2/NDF: 23010536.1/93

- sign 0.007+/-0.000 χ^2/NDF: 10619841.8/48



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

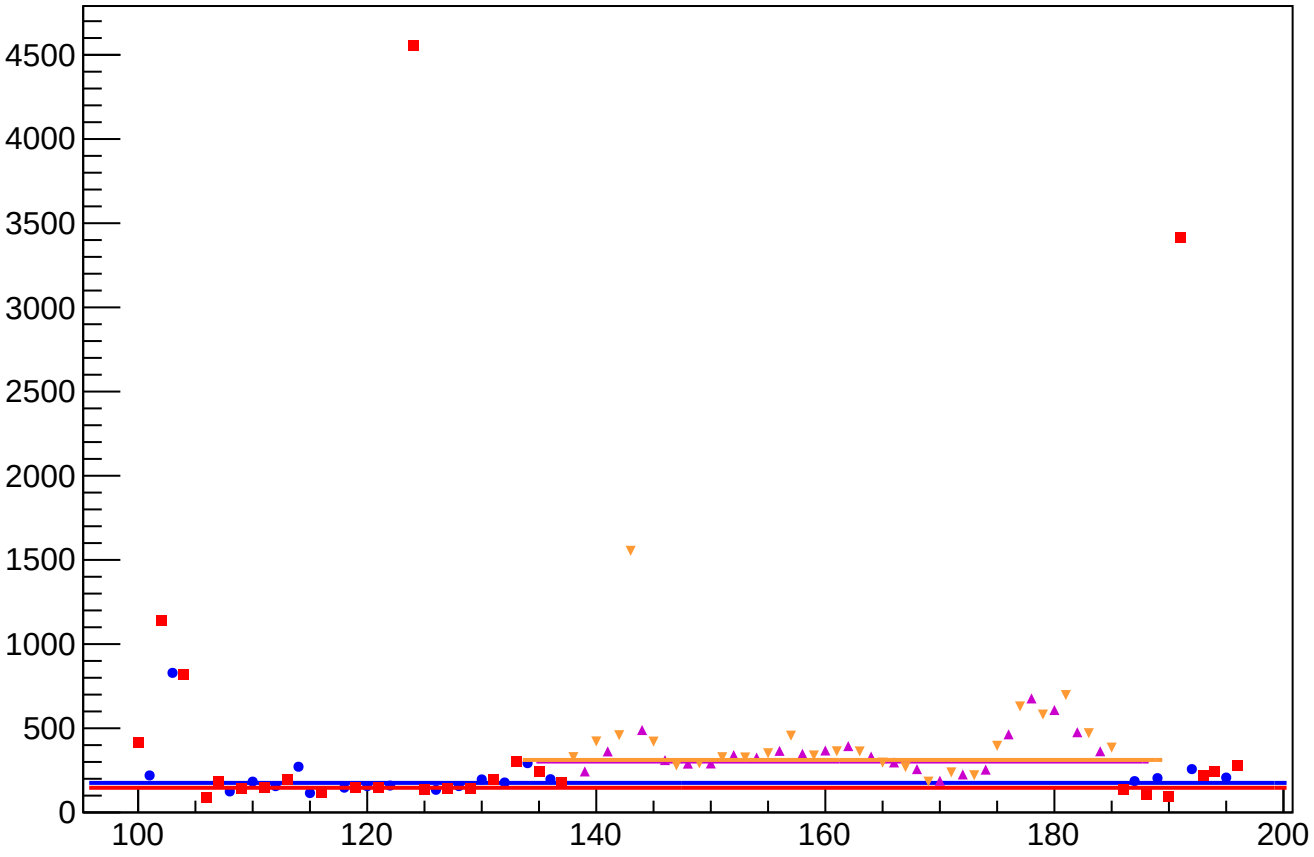
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.003+/-0.031 χ^2/NDF: 117.9/93

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 175.629+/-0.043 χ^2/NDF: 1563735.6/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

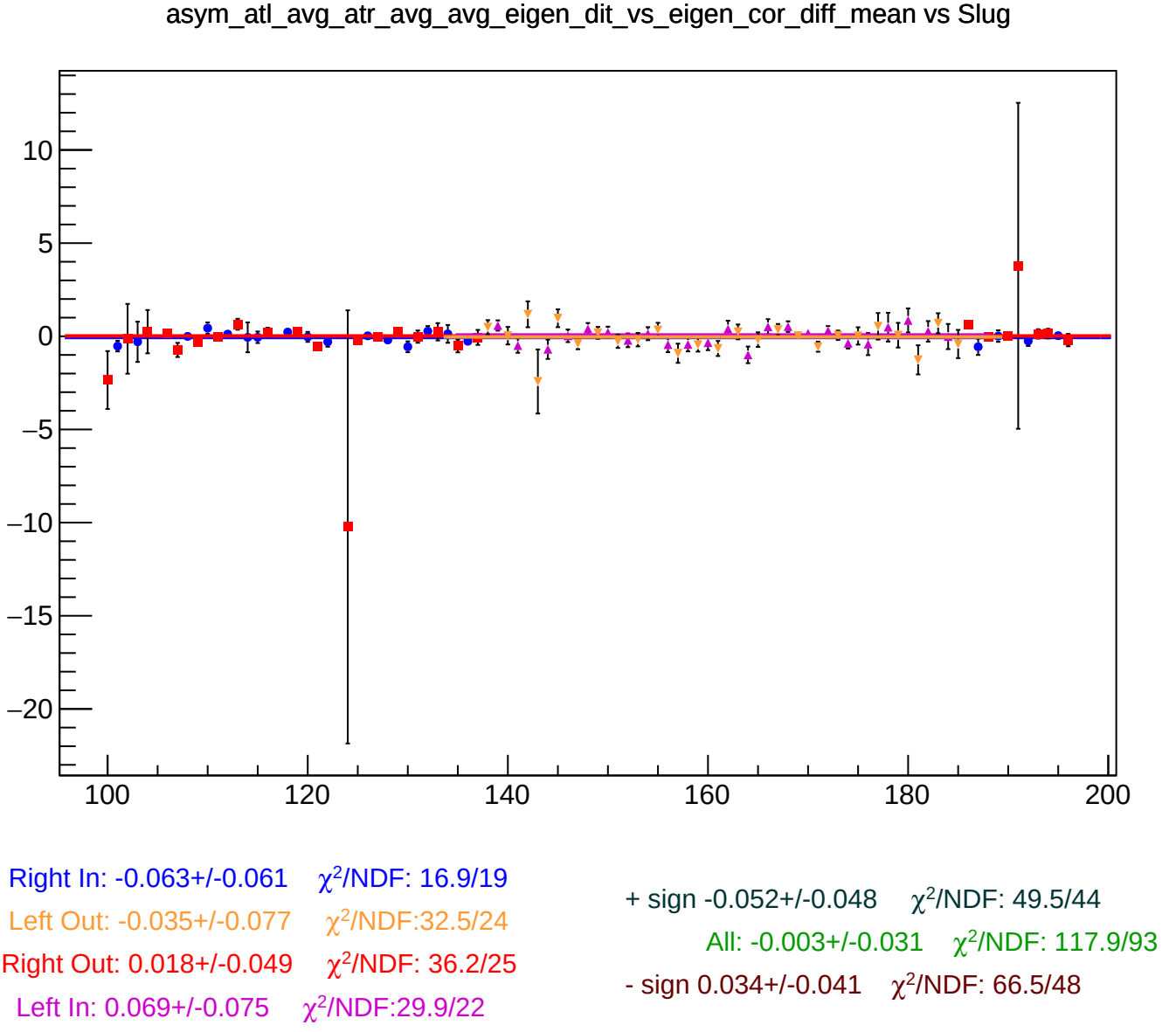
Right Out: 146.659+/-0.035 χ^2/NDF: 3846913.5/25

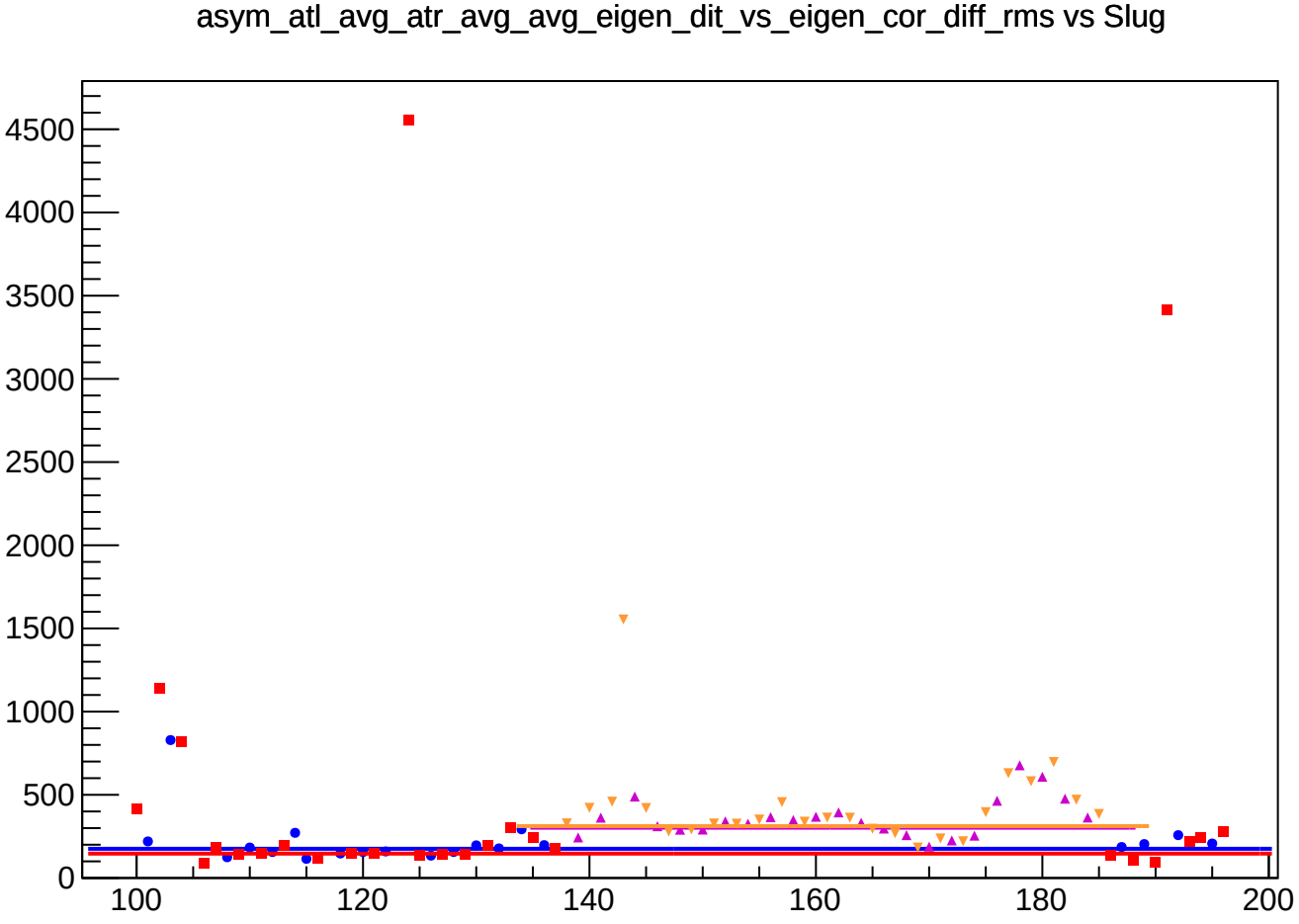
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.991+/-0.034 χ^2/NDF: 9808600.4/44

All: 208.365+/-0.022 χ^2/NDF: 23097773.6/93

- sign 193.651+/-0.029 χ^2/NDF: 12692202.2/48


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: -0.063+/-0.061 χ²/NDF: 16.9/19
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: 0.018+/-0.049 χ²/NDF: 36.2/25
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.052+/-0.048 χ²/NDF: 49.5/44
All: -0.003+/-0.031 χ²/NDF: 117.9/93
- sign 0.034+/-0.041 χ²/NDF: 66.5/48



Right In: 175.629+/-0.043 χ^2/NDF: 1563735.6/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

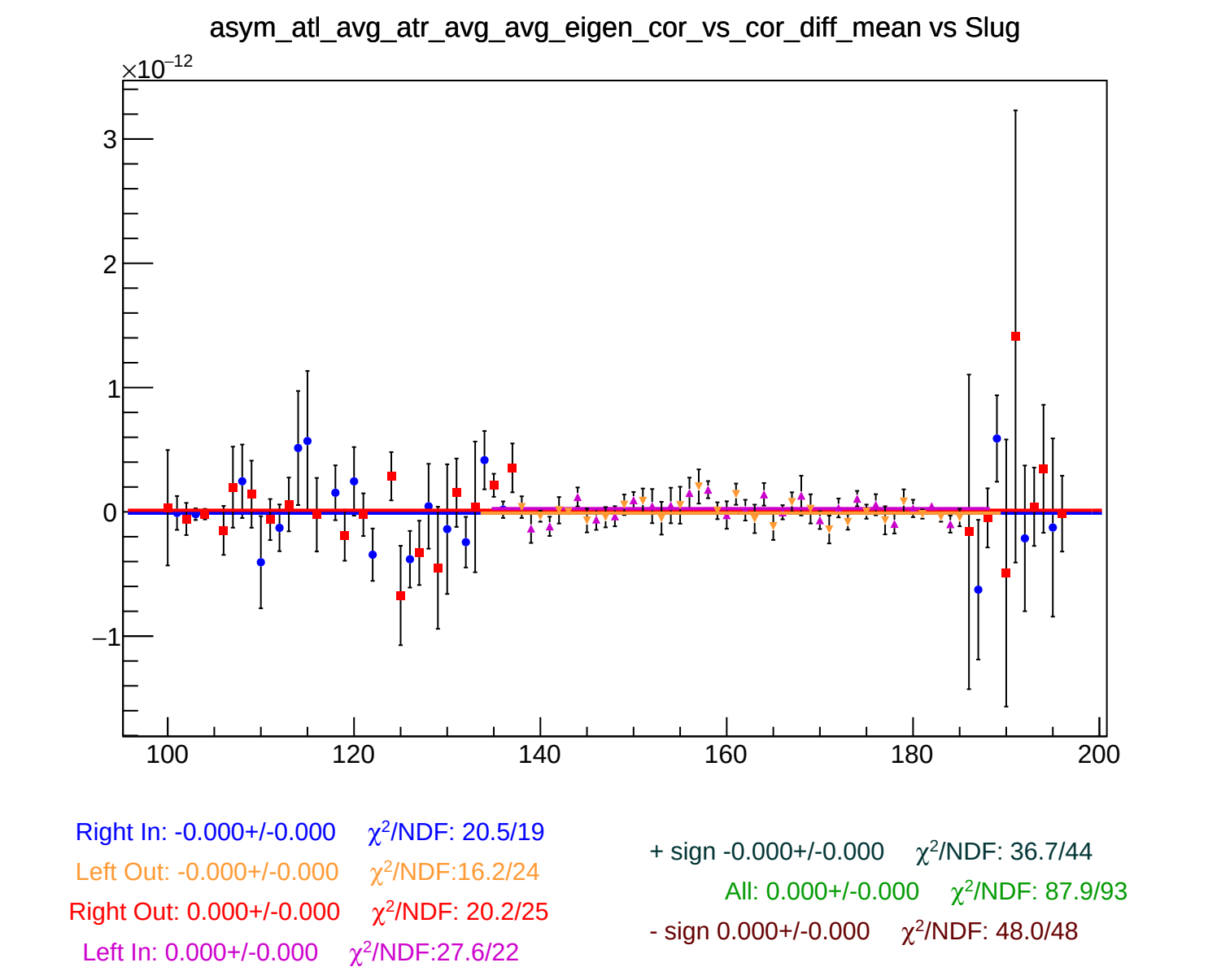
Right Out: 146.659+/-0.035 χ^2/NDF: 3846913.5/25

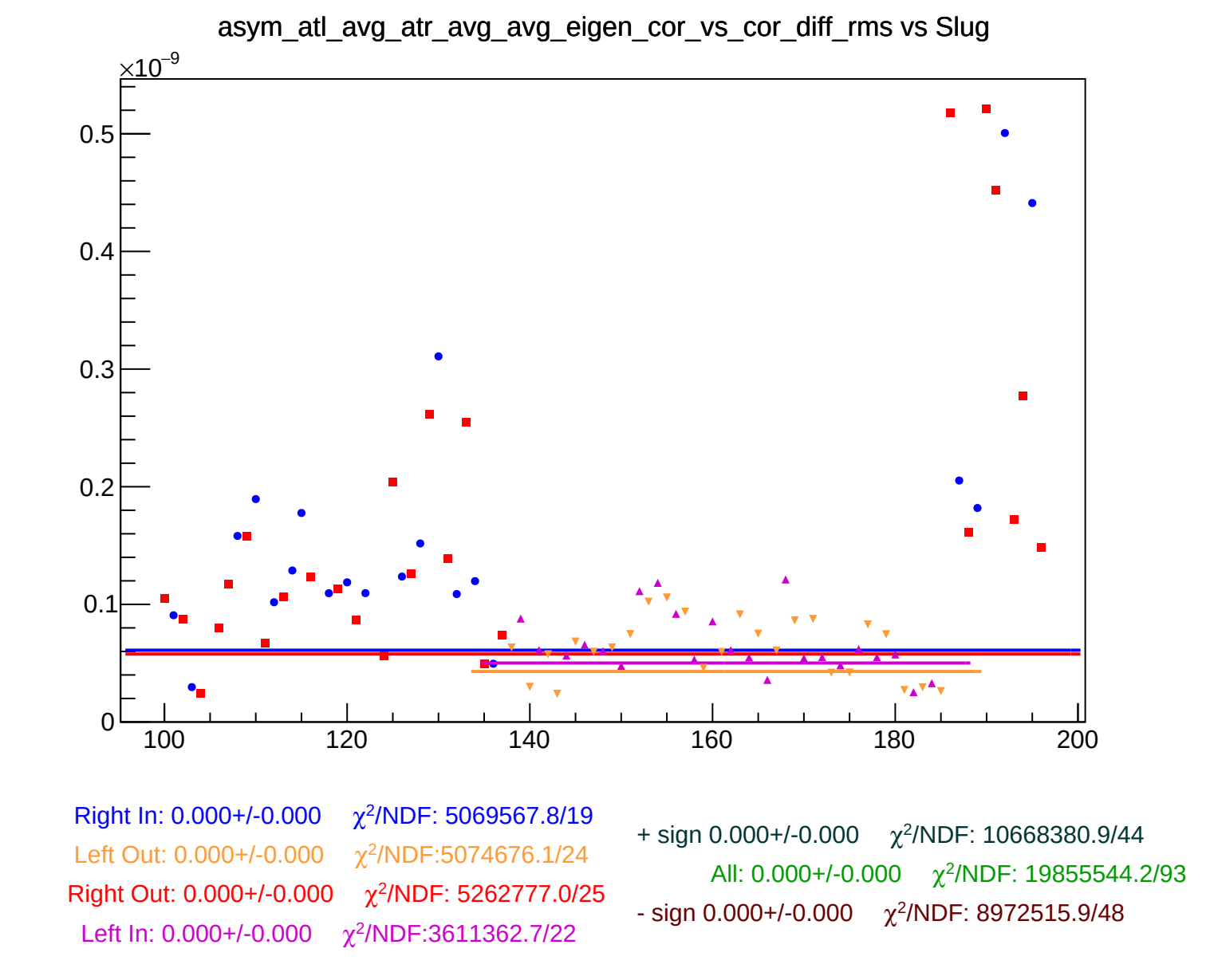
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.991+/-0.034 χ^2/NDF: 9808600.4/44

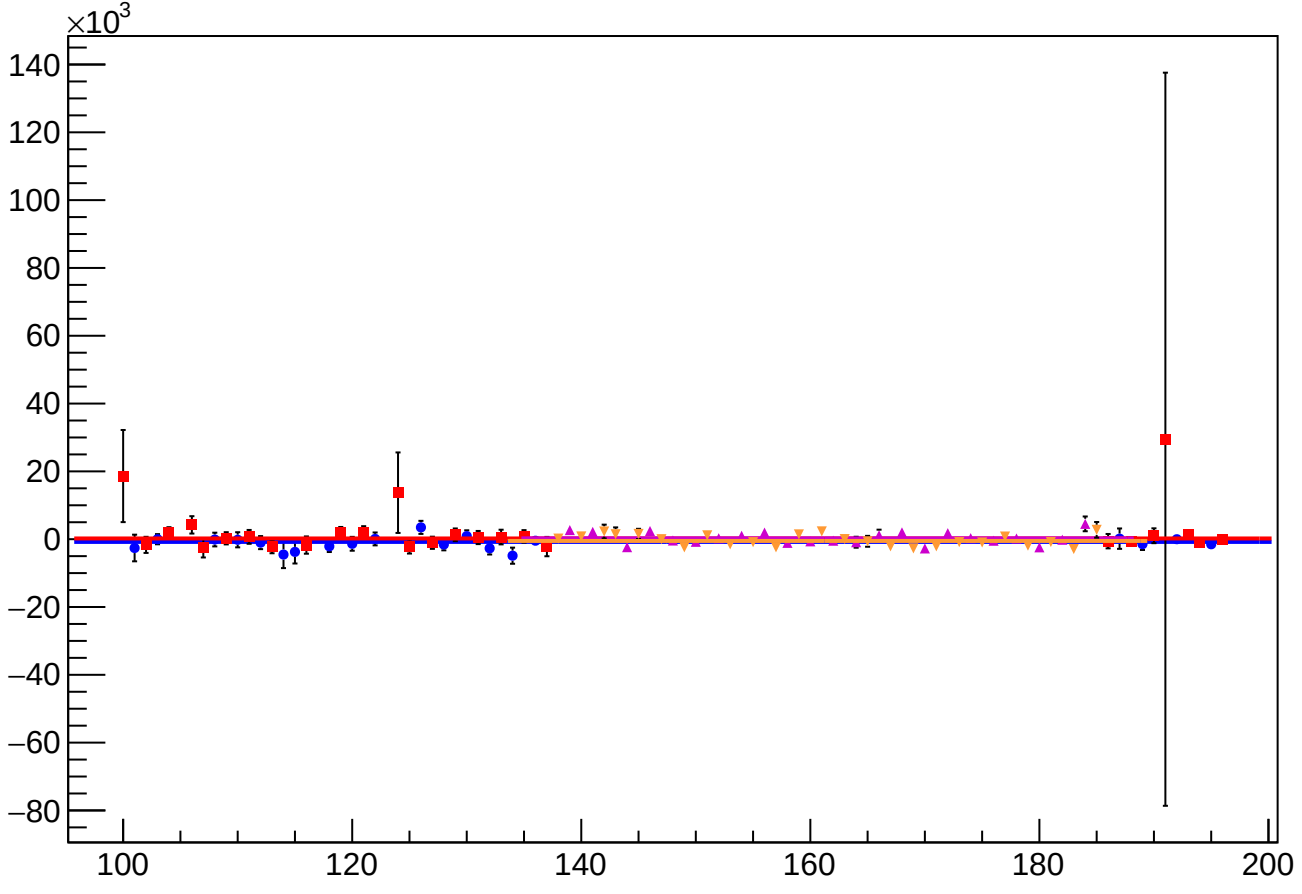
All: 208.365+/-0.022 χ^2/NDF: 23097773.6/93

- sign 193.651+/-0.029 χ^2/NDF: 12692202.2/48


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.5/19
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.2/25
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
+ sign -0.000+/-0.000 χ²/NDF: 36.7/44
All: 0.000+/-0.000 χ²/NDF: 87.9/93
- sign 0.000+/-0.000 χ²/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: 5069567.8/19
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: 10668380.9/44
All: 0.000+/-0.000 χ²/NDF: 19855544.2/93
- sign 0.000+/-0.000 χ²/NDF: 8972515.9/48

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -803.131+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 213.109+/-385.476 χ^2/NDF: 17.9/25

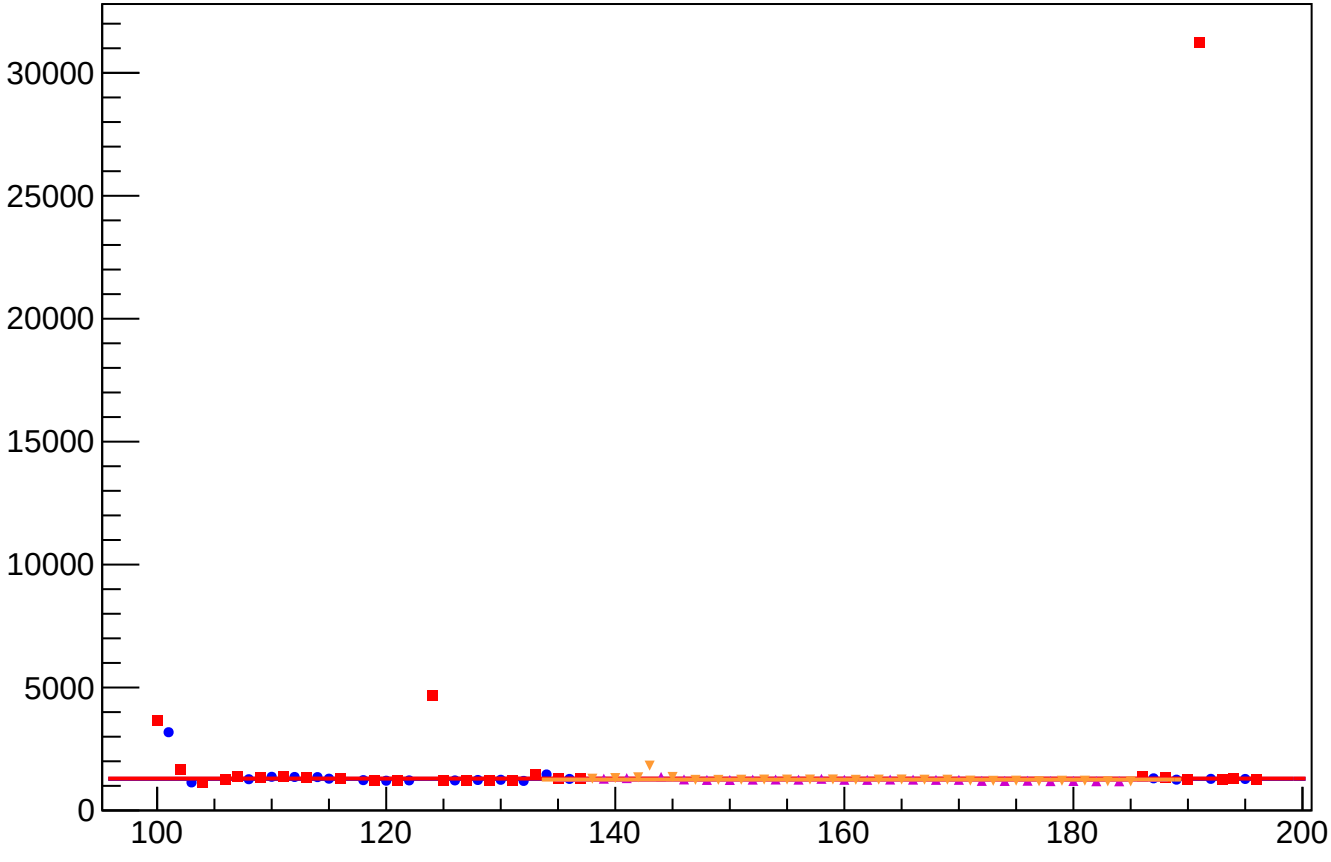
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -607.121+/-235.634 χ^2/NDF: 45.5/44

All: -181.677+/-165.440 χ^2/NDF: 101.9/93

- sign 231.941+/-232.336 χ^2/NDF: 49.9/48

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518962.8/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

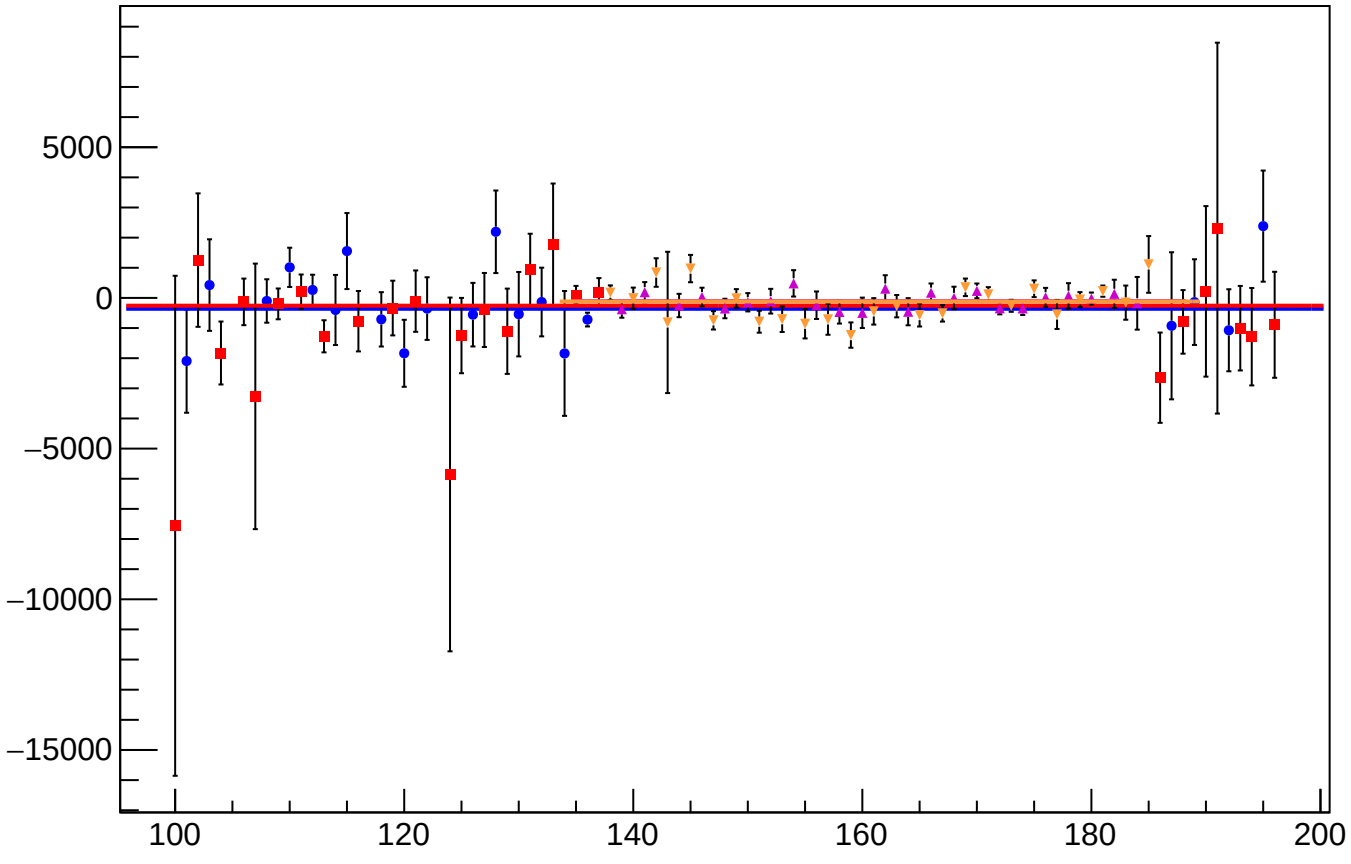
Right Out: 1297.535+/-0.273 χ^2/NDF: 489716.0/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728443.7/44

All: 1264.799+/-0.117 χ^2/NDF: 1280467.1/93

- sign 1264.947+/-0.164 χ^2/NDF: 552021.8/48



Right In: -359.992+/-164.751 χ^2/NDF: 20.7/19

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -257.908+/-163.331 χ^2/NDF: 18.6/25

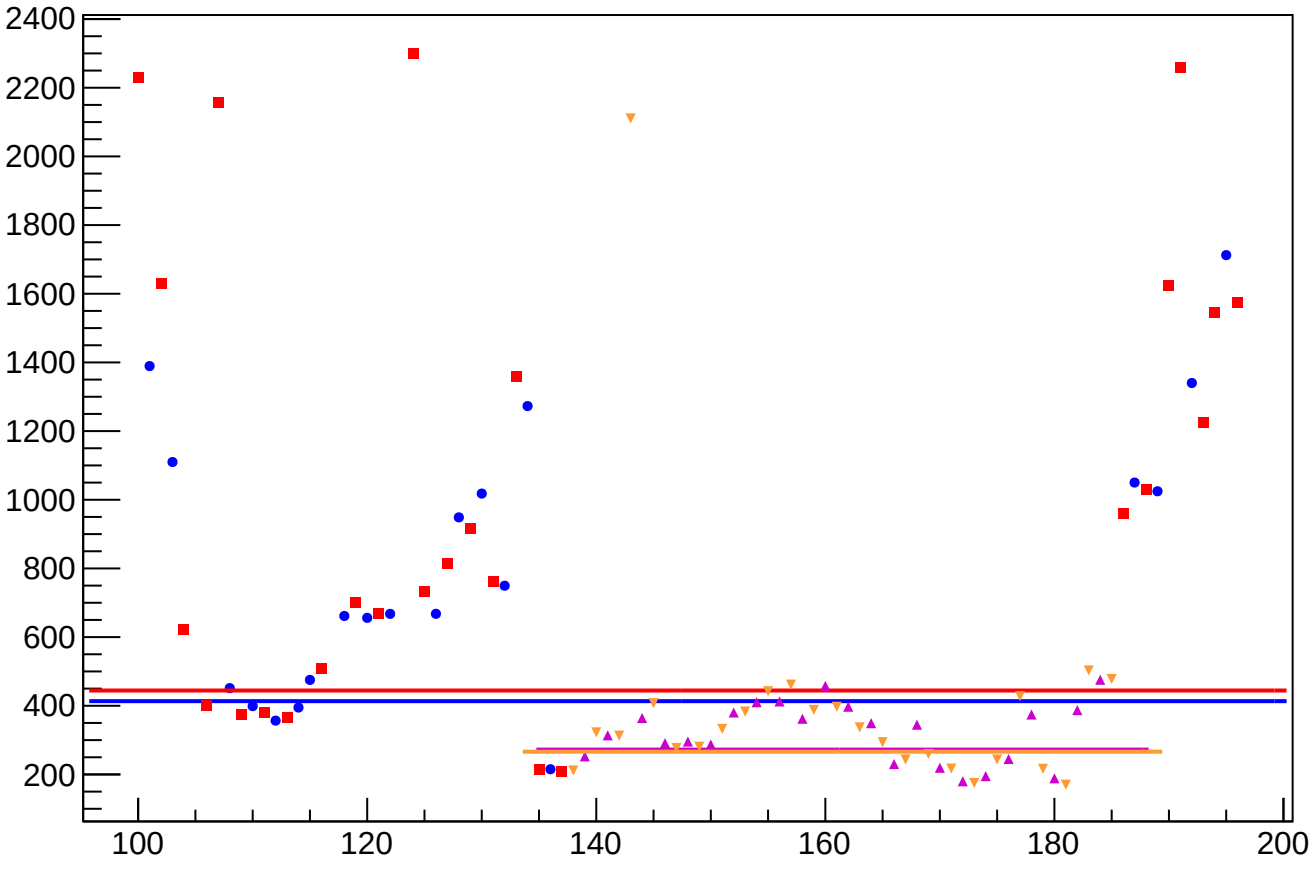
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -149.805+/-60.512 χ^2/NDF: 71.0/44

All: -139.667+/-43.301 χ^2/NDF: 104.2/93

\- sign -129.029+/-61.988 χ^2/NDF: 33.1/48

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 413.440+/-0.116 χ^2/NDF: 6710494.9/19

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 444.463+/-0.115 χ^2/NDF: 8063759.6/25

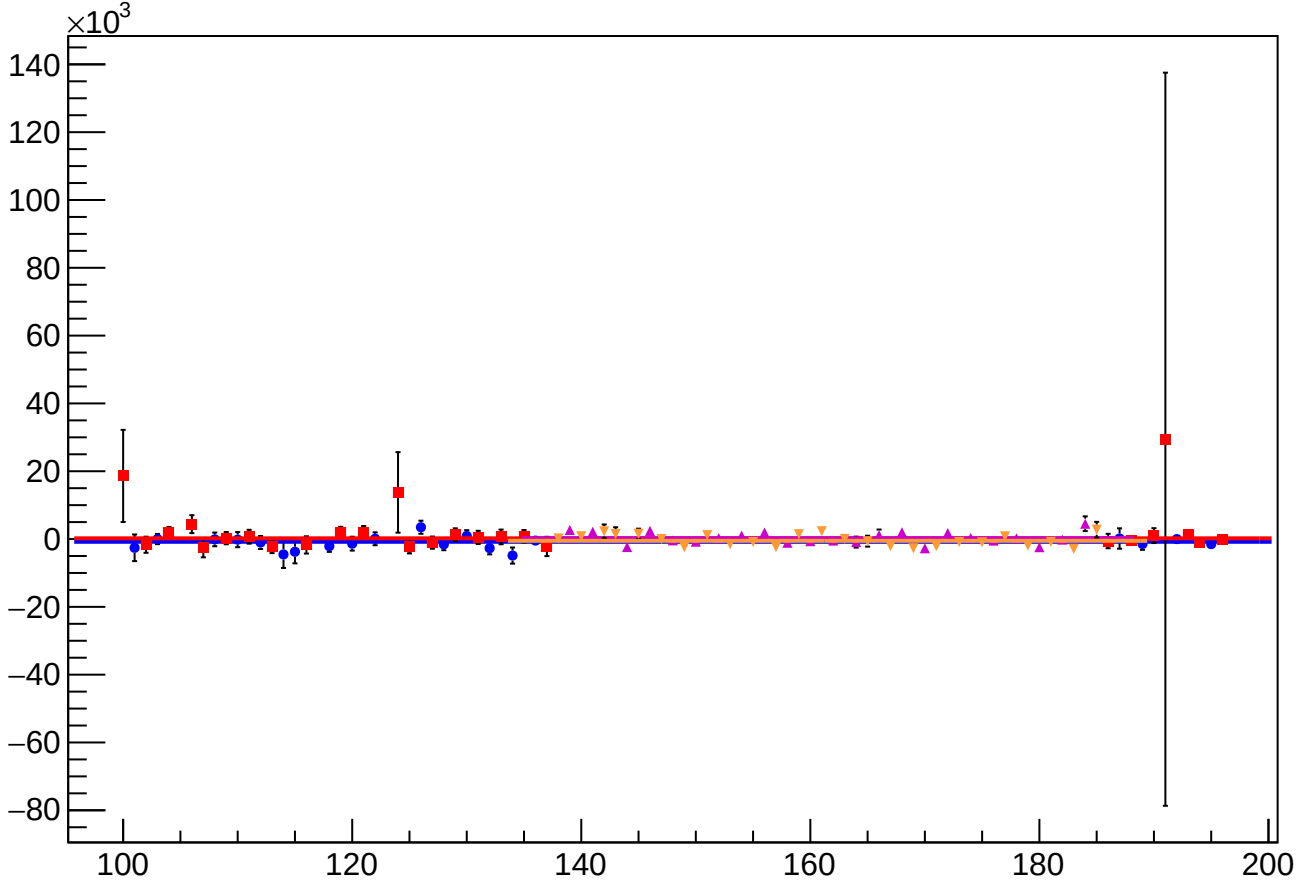
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 286.168+/-0.043 χ^2/NDF: 12720303.0/44

All: 291.529+/-0.031 χ^2/NDF: 25604650.7/93

- sign 297.156+/-0.044 χ^2/NDF: 12852165.5/48

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

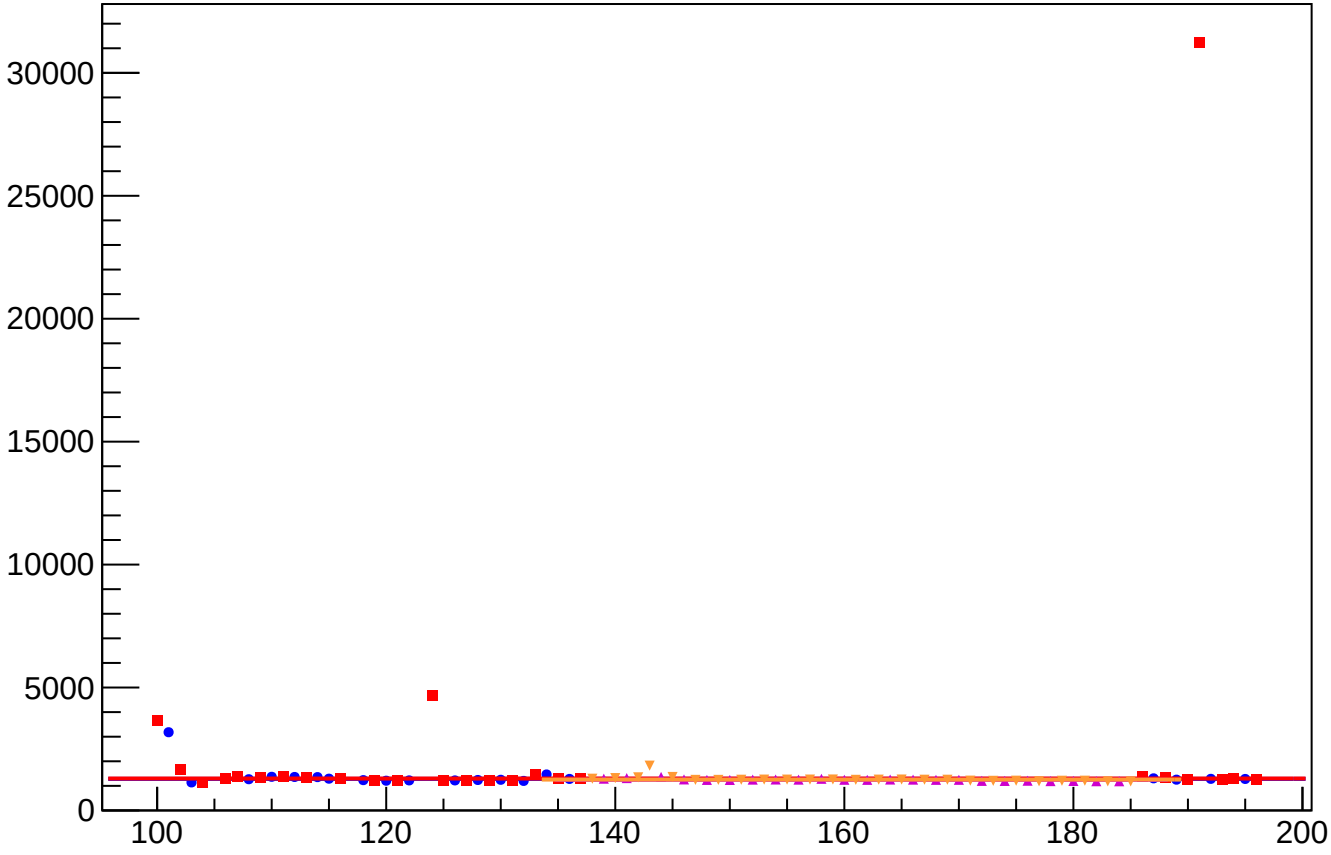
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -182.064+/-165.461 χ^2/NDF: 102.0/93

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

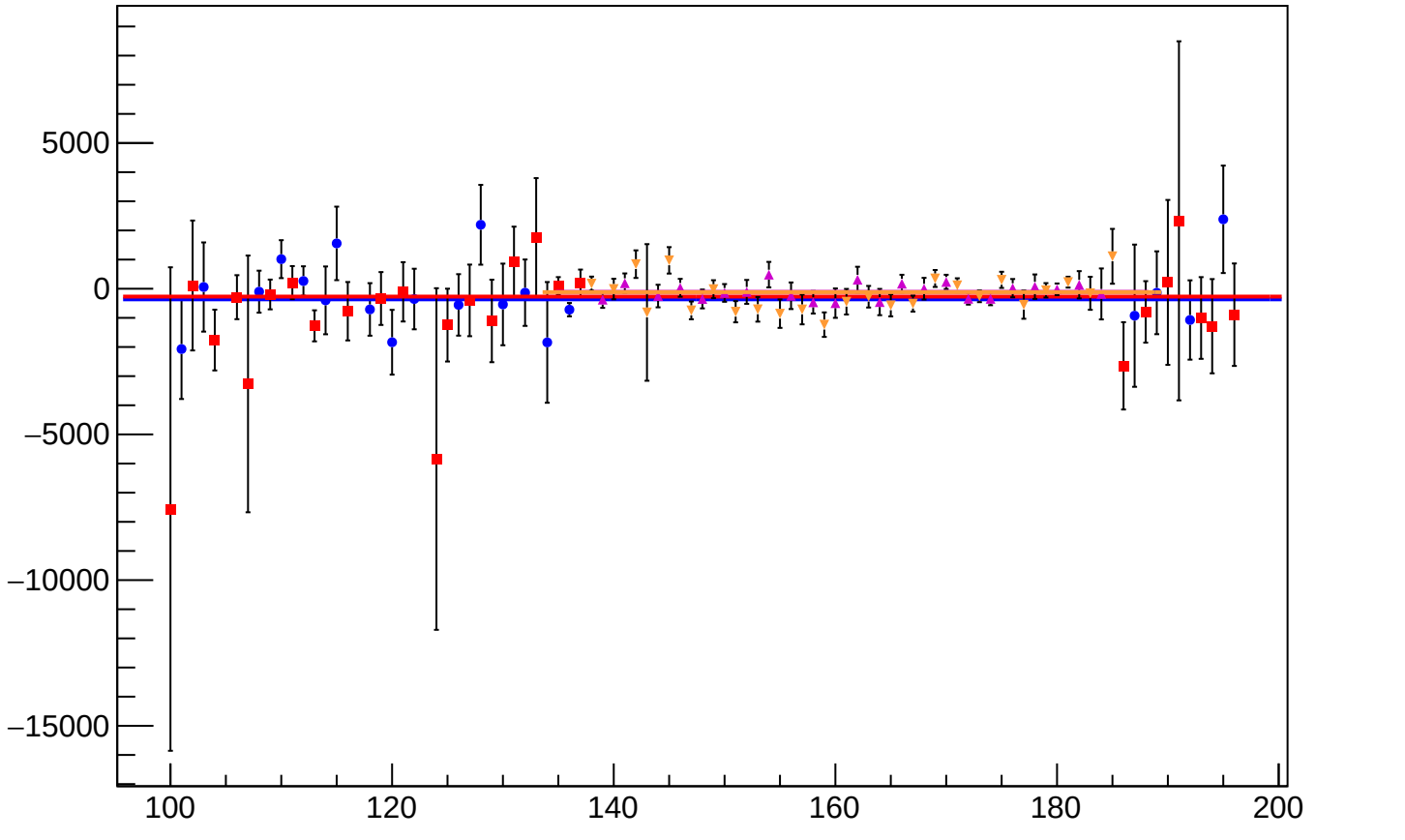
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.959+/-0.117 χ^2/NDF: 1280902.7/93

- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

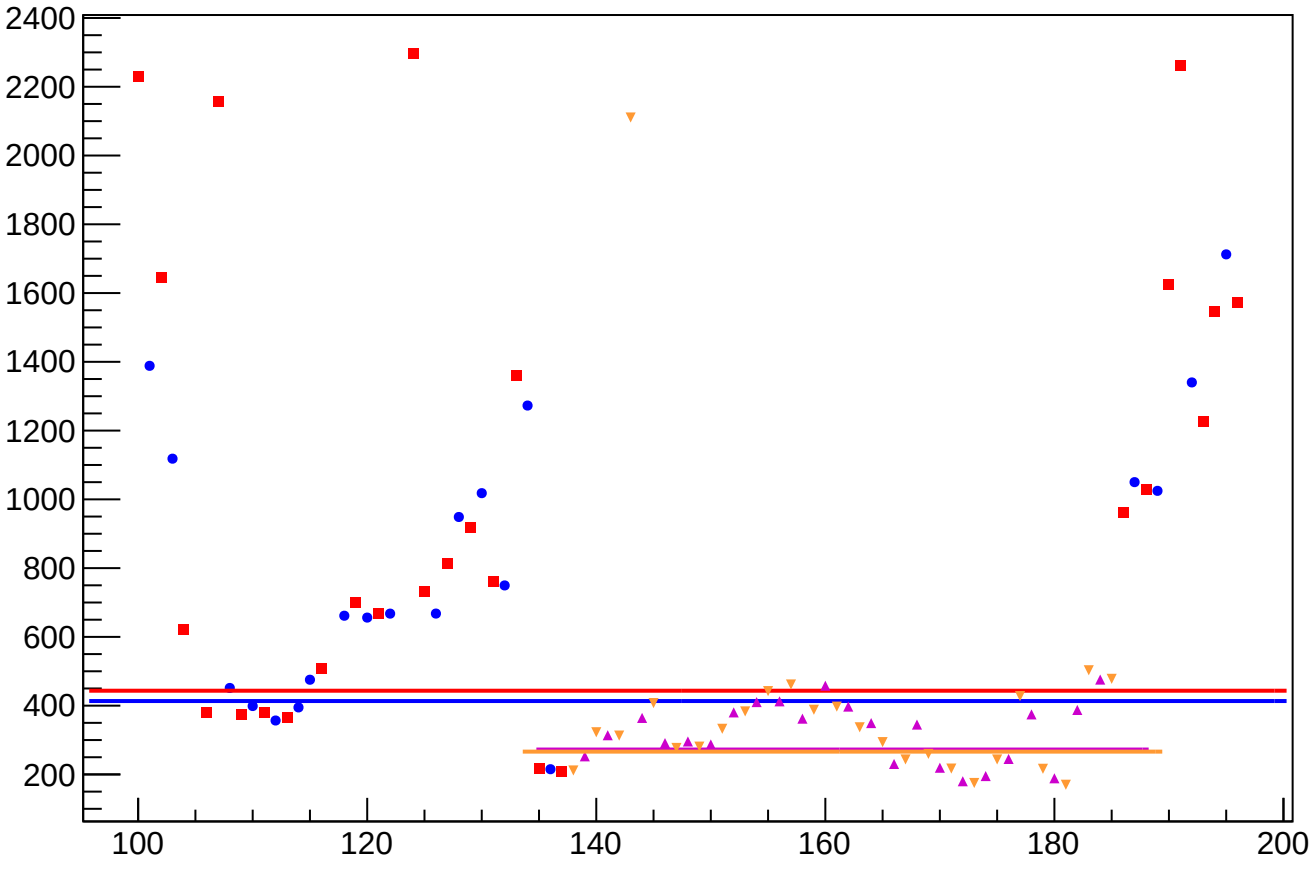
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.867+/-43.299 χ^2/NDF: 103.5/93

- sign -130.917+/-61.980 χ^2/NDF: 32.6/48

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

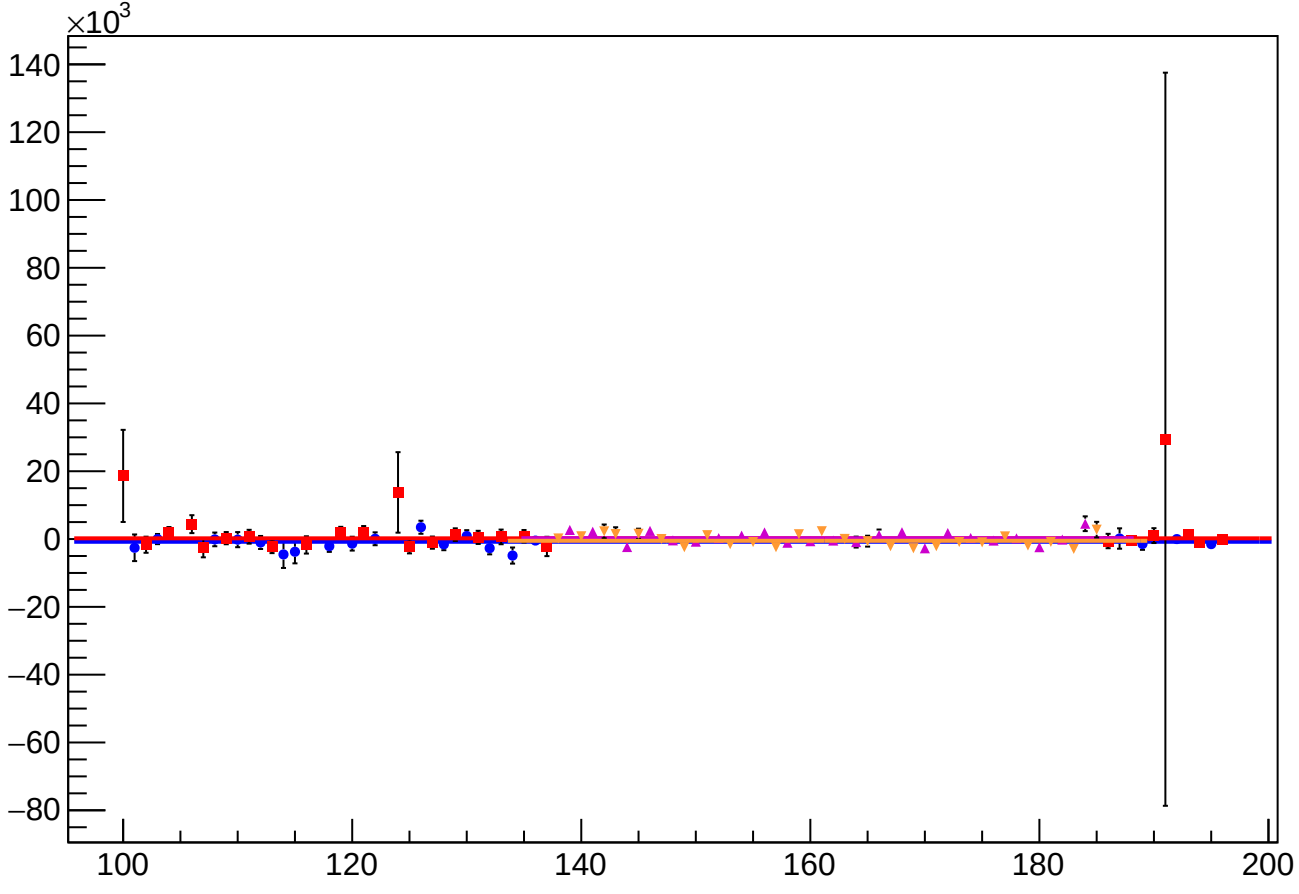
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 291.488+/-0.031 χ^2/NDF: 25602099.4/93

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

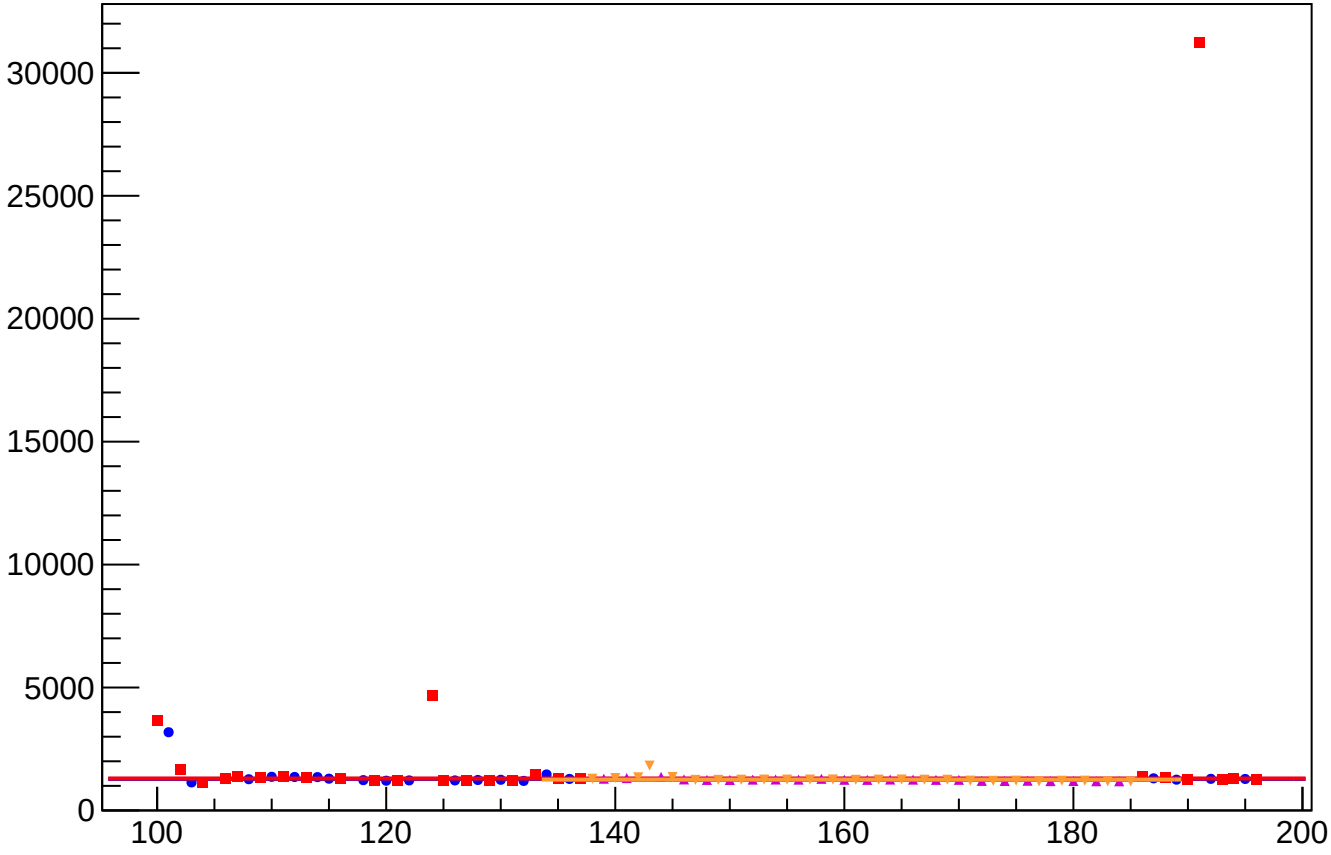
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -182.064+/-165.461 χ^2/NDF: 102.0/93

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

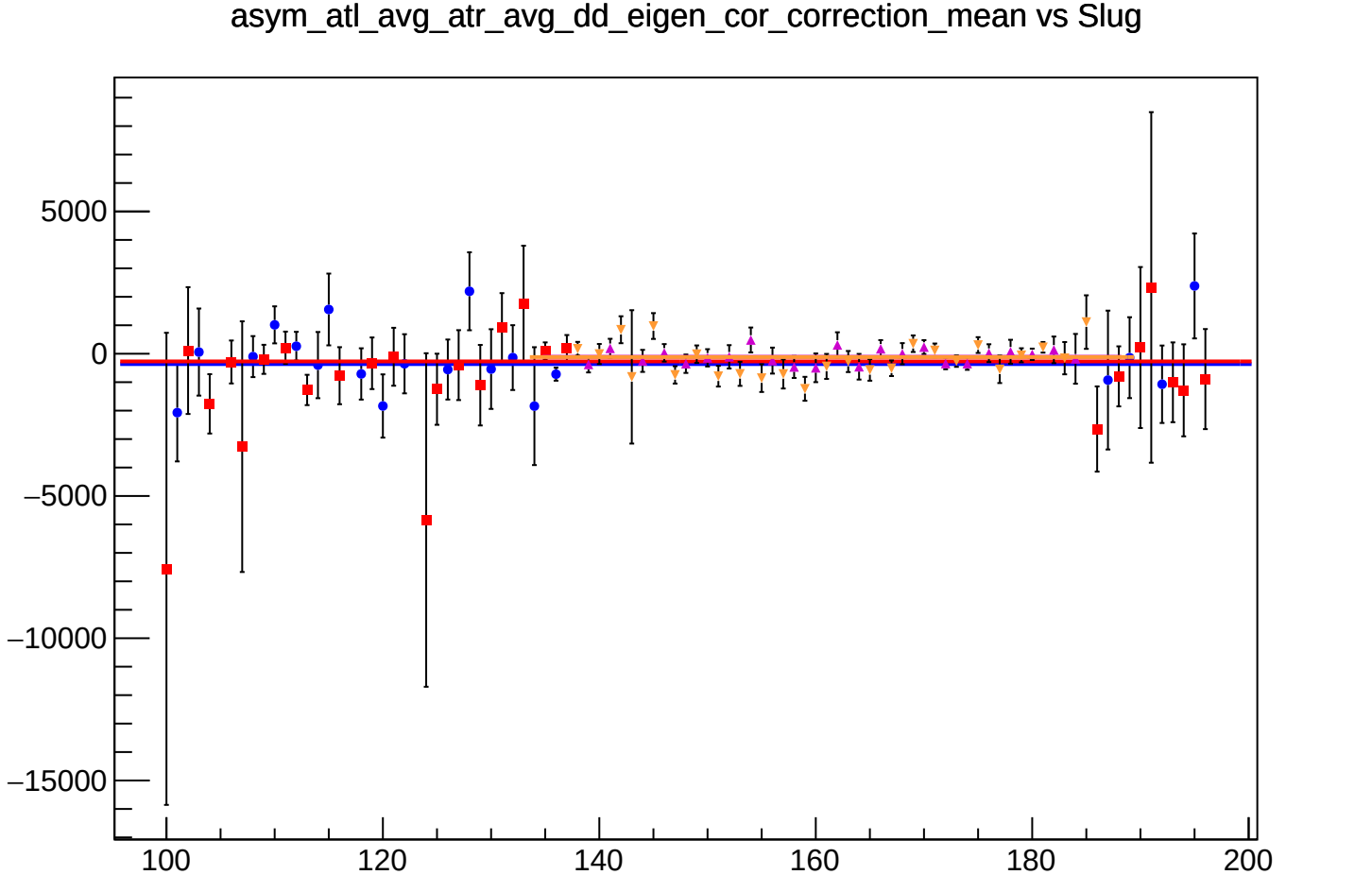
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.959+/-0.117 χ^2/NDF: 1280902.7/93

\- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

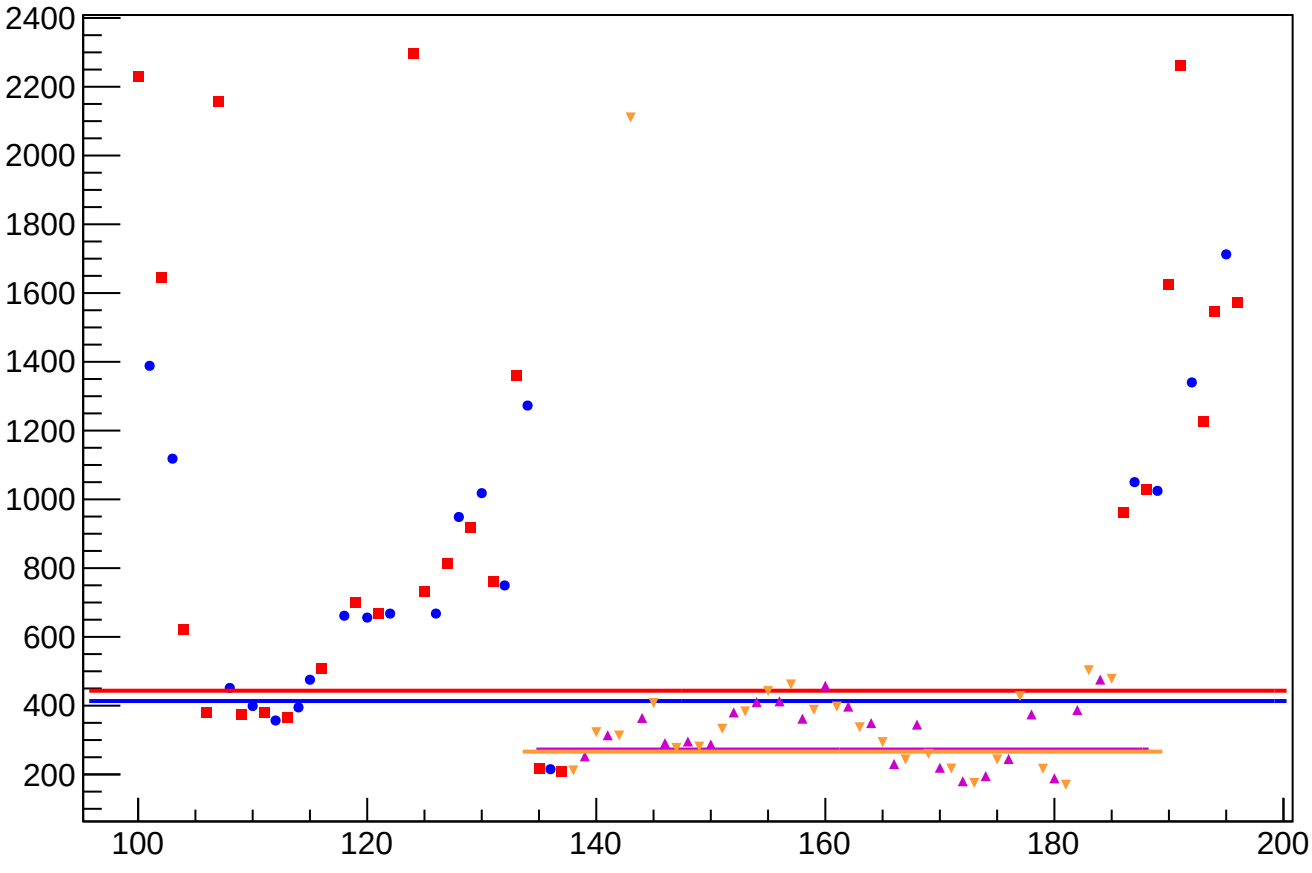
Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.867+/-43.299 χ^2/NDF: 103.5/93

- sign -130.917+/-61.980 χ^2/NDF: 32.6/48



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

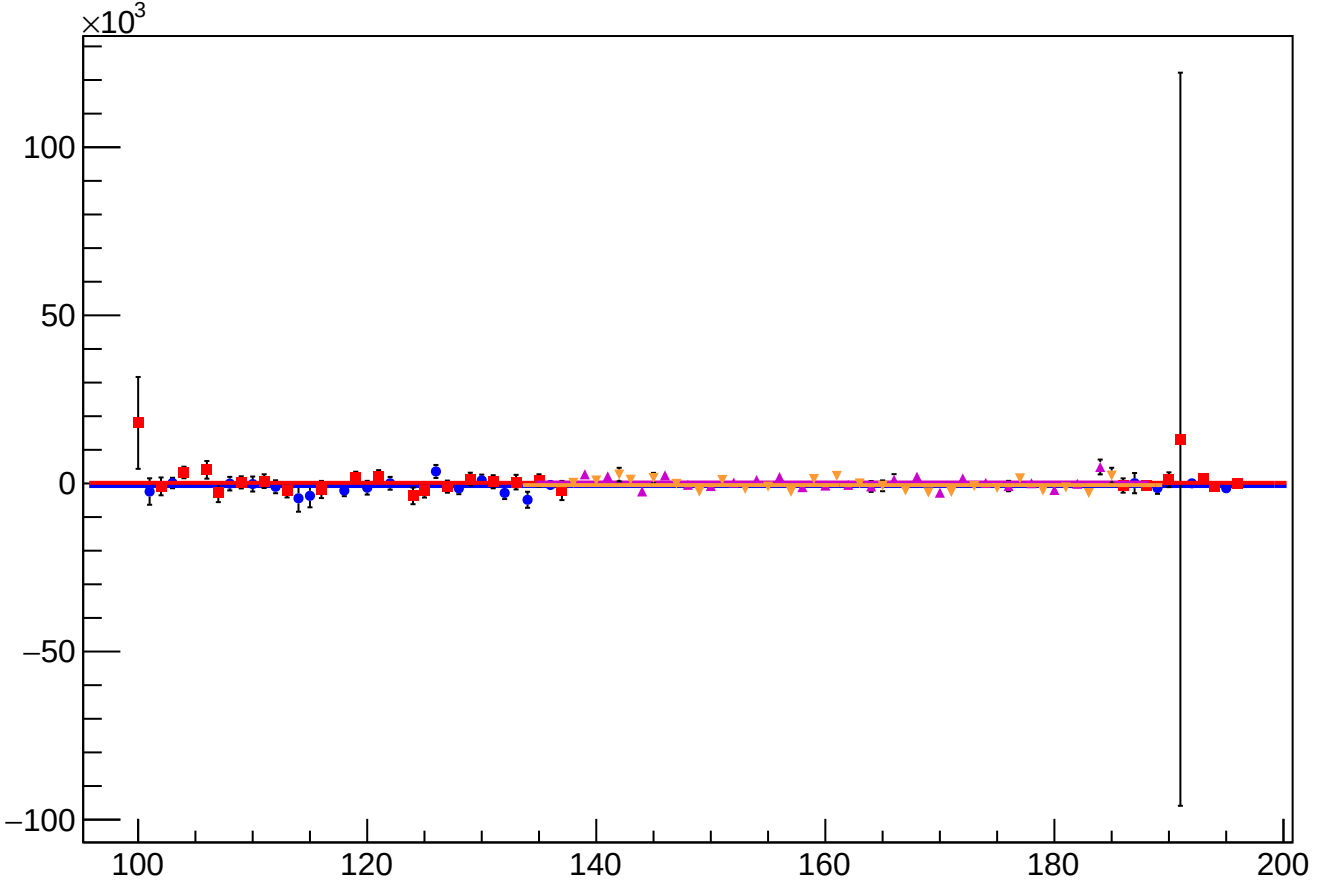
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 291.488+/-0.031 χ^2/NDF: 25602099.4/93

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -767.806+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.310+/-384.109 χ^2/NDF: 19.9/25

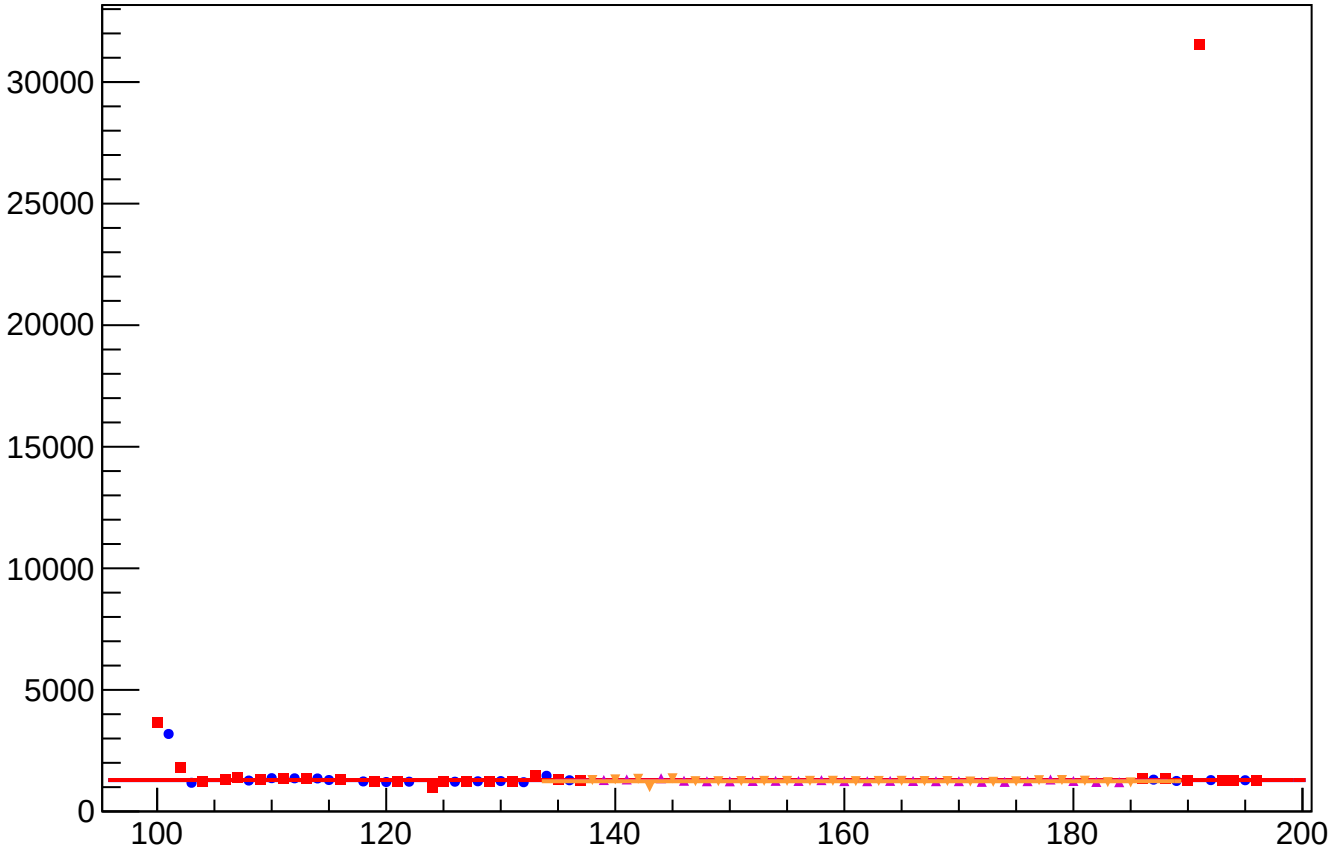
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.062+/-165.372 χ^2/NDF: 105.3/93

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

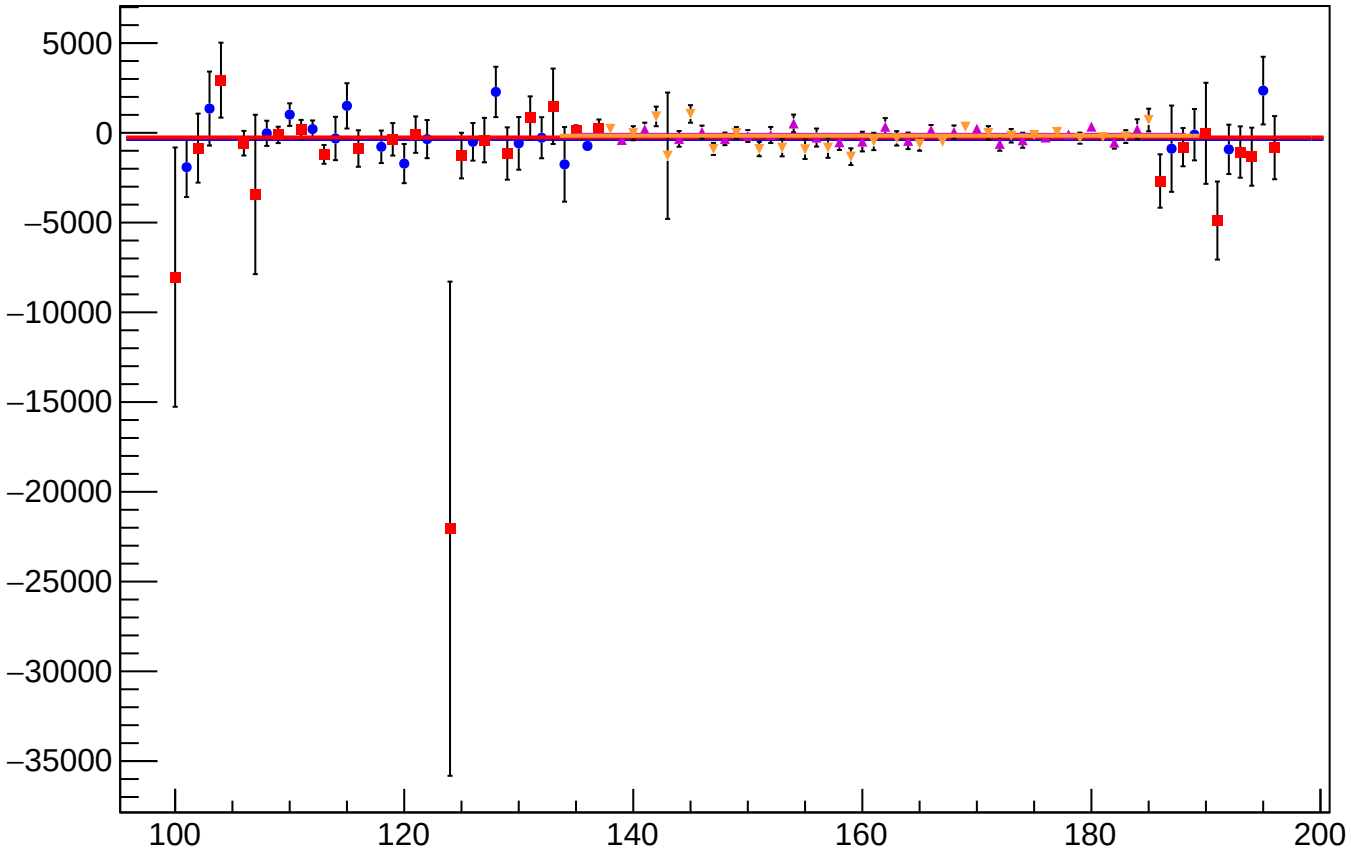
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.0/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657490.1/44

All: 1264.791+/-0.117 χ^2/NDF: 1071173.1/93

- sign 1272.364+/-0.165 χ^2/NDF: 409472.0/48



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

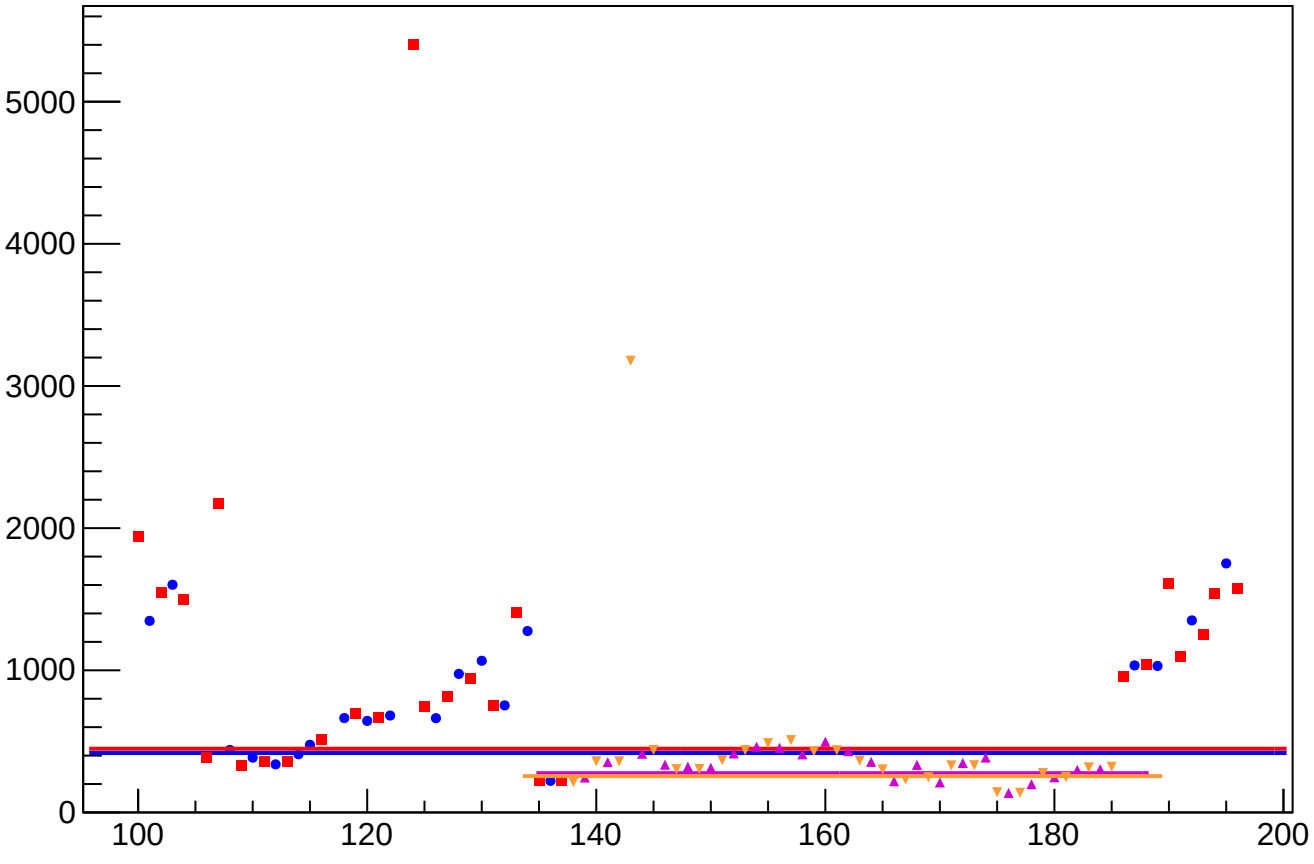
Right Out: -258.972+/-163.075 χ^2/NDF: 24.5/25

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.271+/-59.845 χ^2/NDF: 65.5/44

All: -161.389+/-43.526 χ^2/NDF: 109.2/93

- sign -135.691+/-63.421 χ^2/NDF: 43.4/48



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

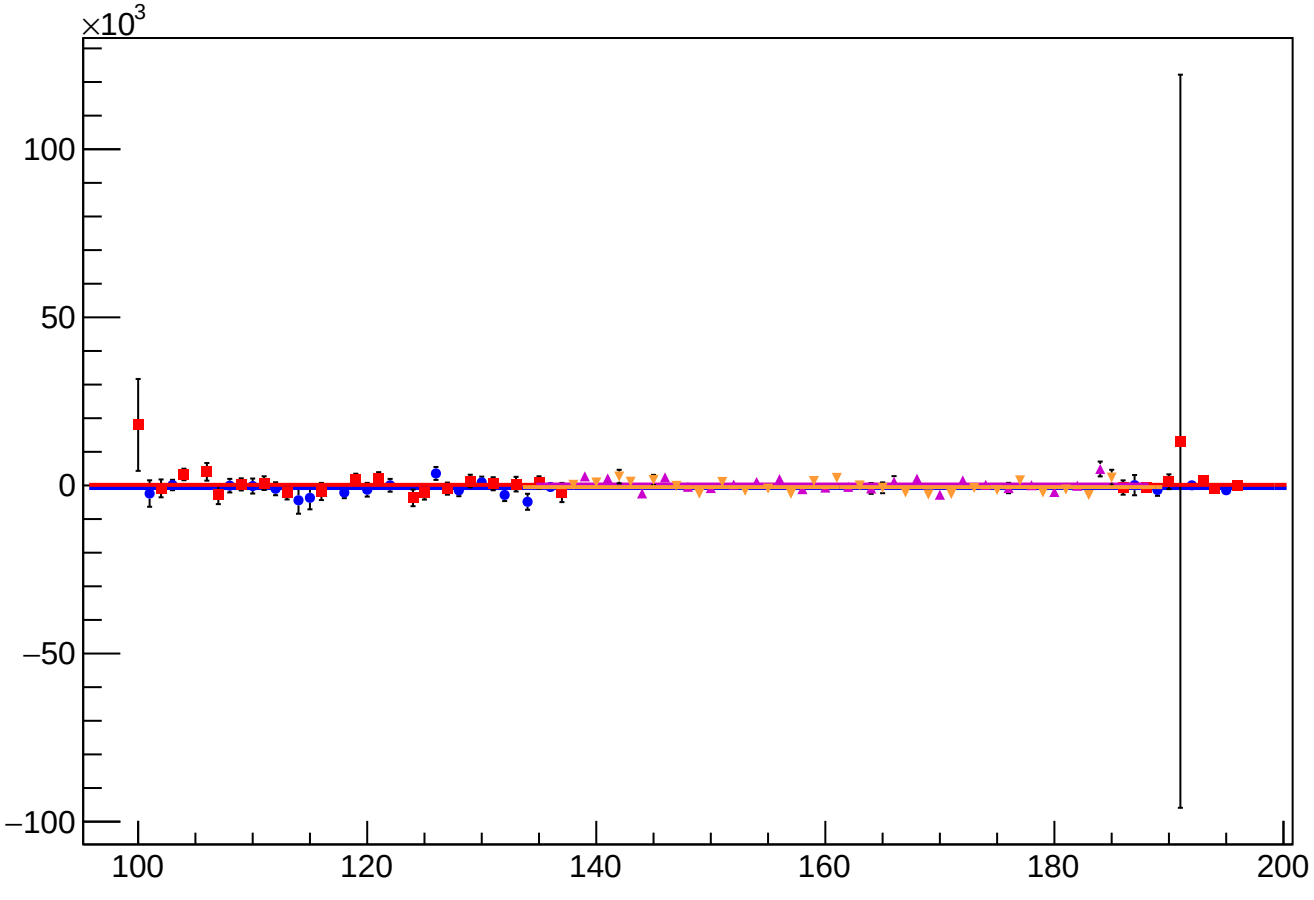
Right Out: 448.288+/-0.115 χ^2/NDF: 8581502.2/25

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 276.756+/-0.042 χ^2/NDF: 14862683.7/44

All: 288.793+/-0.031 χ^2/NDF: 29531547.4/93

- sign 302.312+/-0.045 χ^2/NDF: 14497080.6/48



Right In: -767.808+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.309+/-384.109 χ^2/NDF: 19.9/25

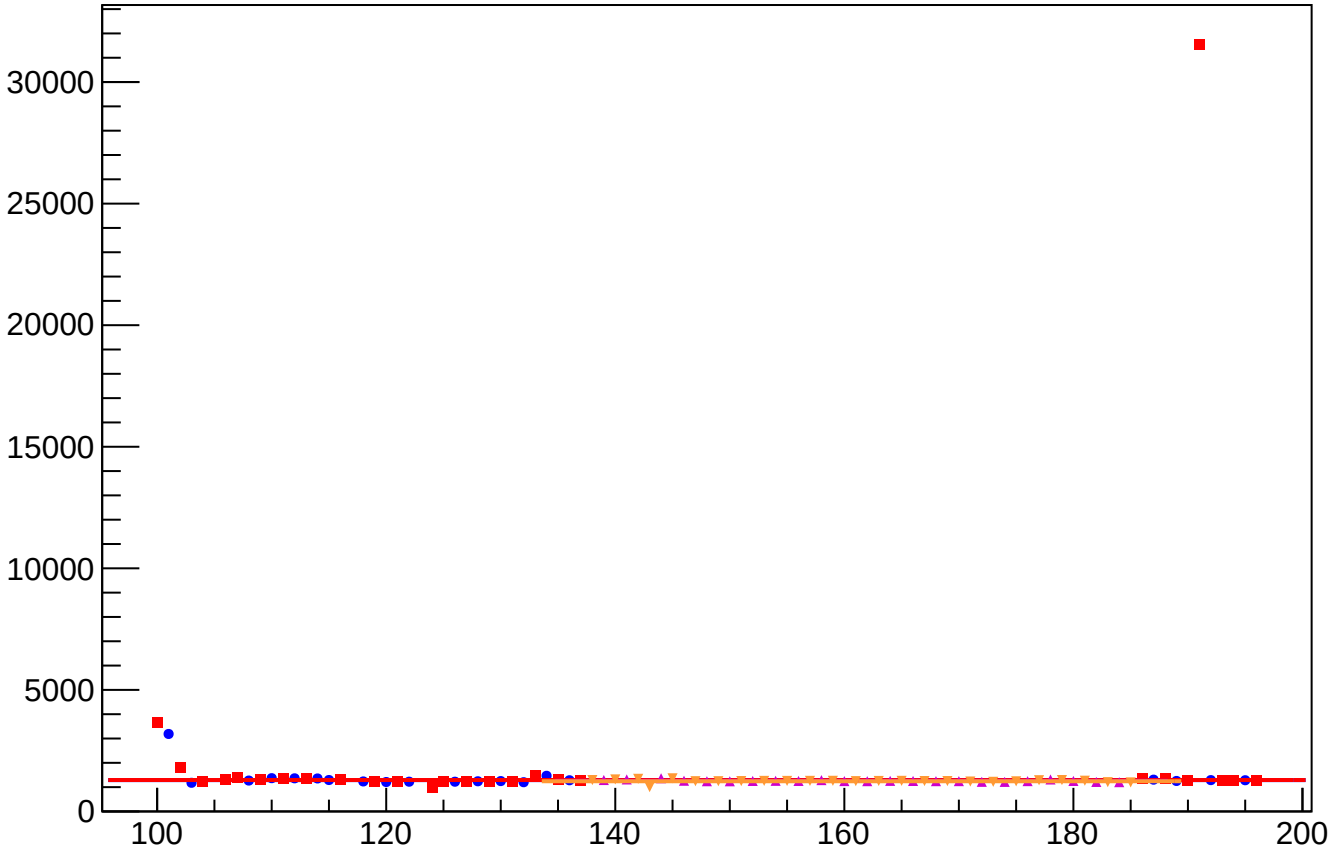
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.063+/-165.372 χ^2/NDF: 105.3/93

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

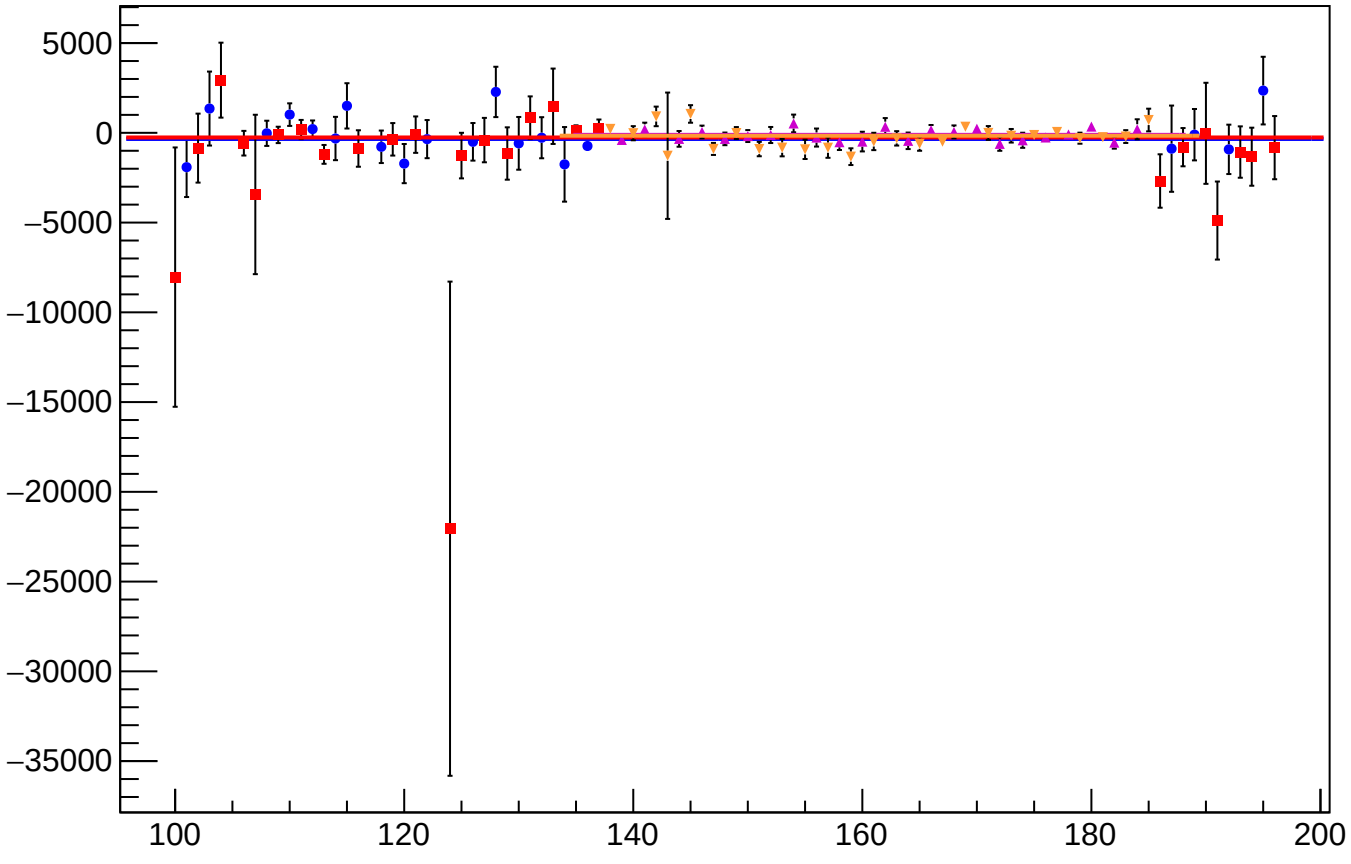
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.3/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657489.2/44

All: 1264.791+/-0.117 χ^2/NDF: 1071172.5/93

- sign 1272.364+/-0.165 χ^2/NDF: 409472.3/48



Right In: -341.534+/-166.472 χ^2/NDF: 20.7/19

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

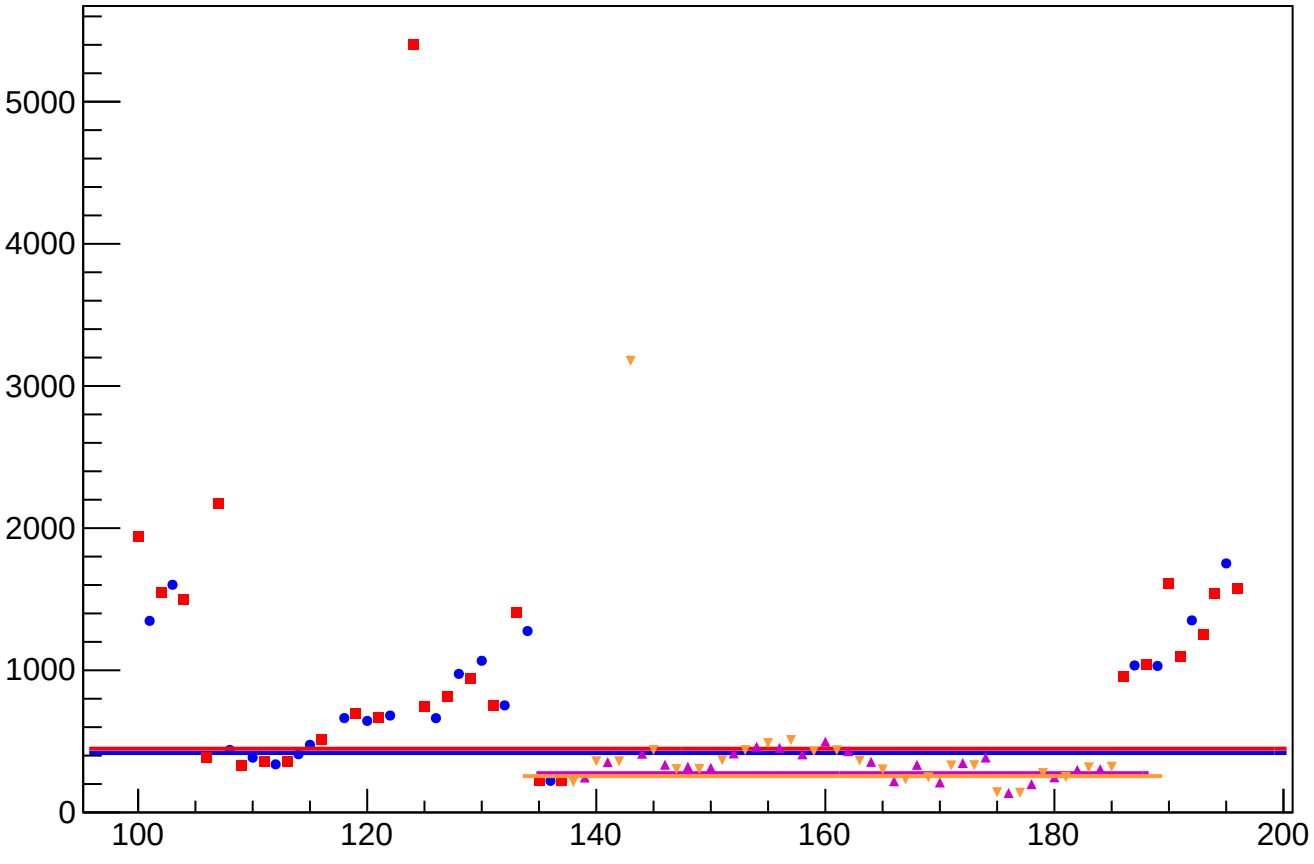
Right Out: -258.980+/-163.077 χ^2/NDF: 24.5/25

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -184.273+/-59.845 χ^2/NDF: 65.5/44

All: -161.390+/-43.526 χ^2/NDF: 109.2/93

- sign -135.690+/-63.421 χ^2/NDF: 43.4/48



Right In: 418.176+/-0.118 χ^2/NDF: 6831147.2/19

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 448.297+/-0.115 χ^2/NDF: 8581282.1/25

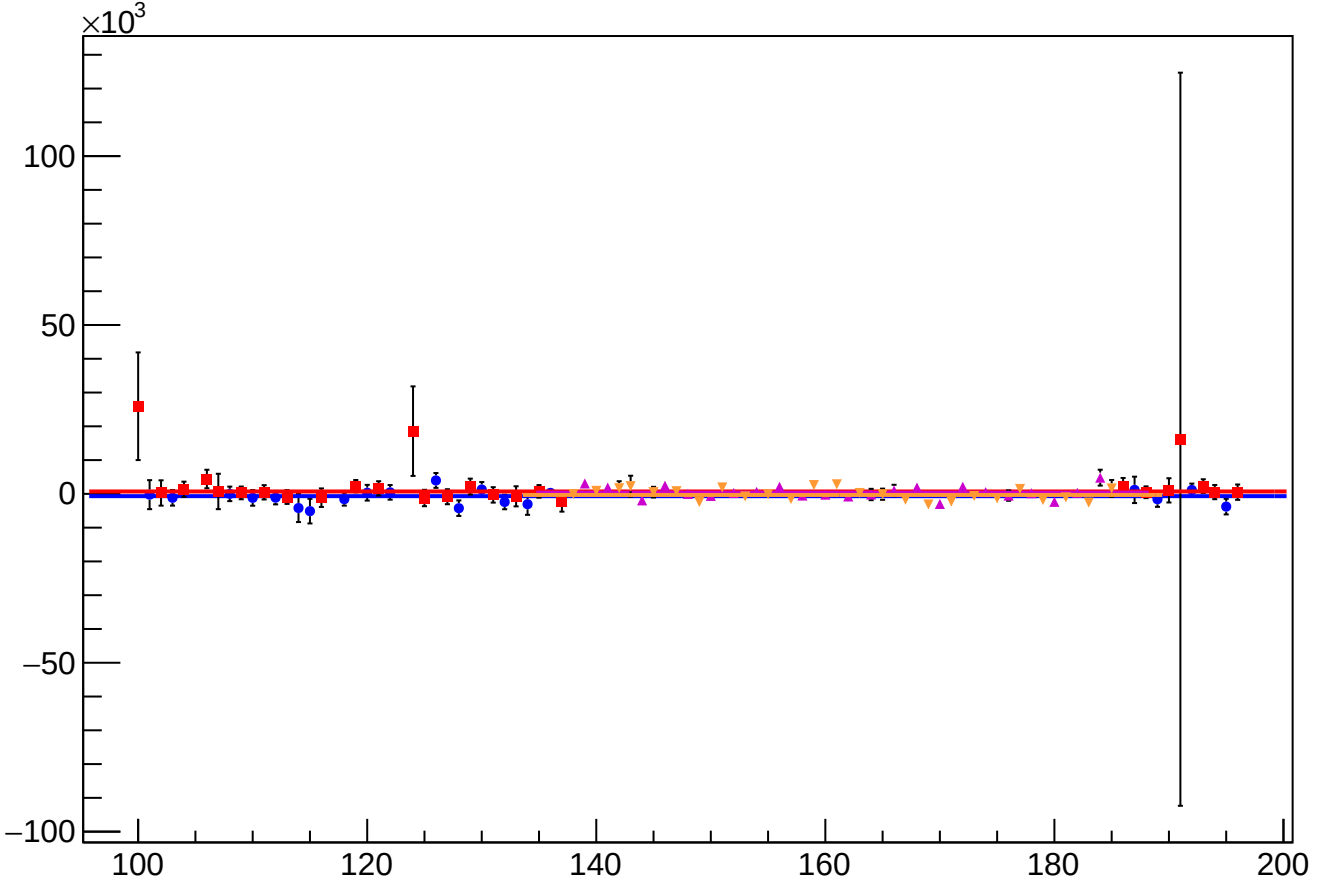
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 276.758+/-0.042 χ^2/NDF: 14862489.8/44

All: 288.795+/-0.031 χ^2/NDF: 29531225.1/93

- sign 302.313+/-0.045 χ^2/NDF: 14496964.5/48

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -678.813+/-508.359 χ^2/NDF: 15.6/19

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 713.995+/-480.622 χ^2/NDF: 12.4/25

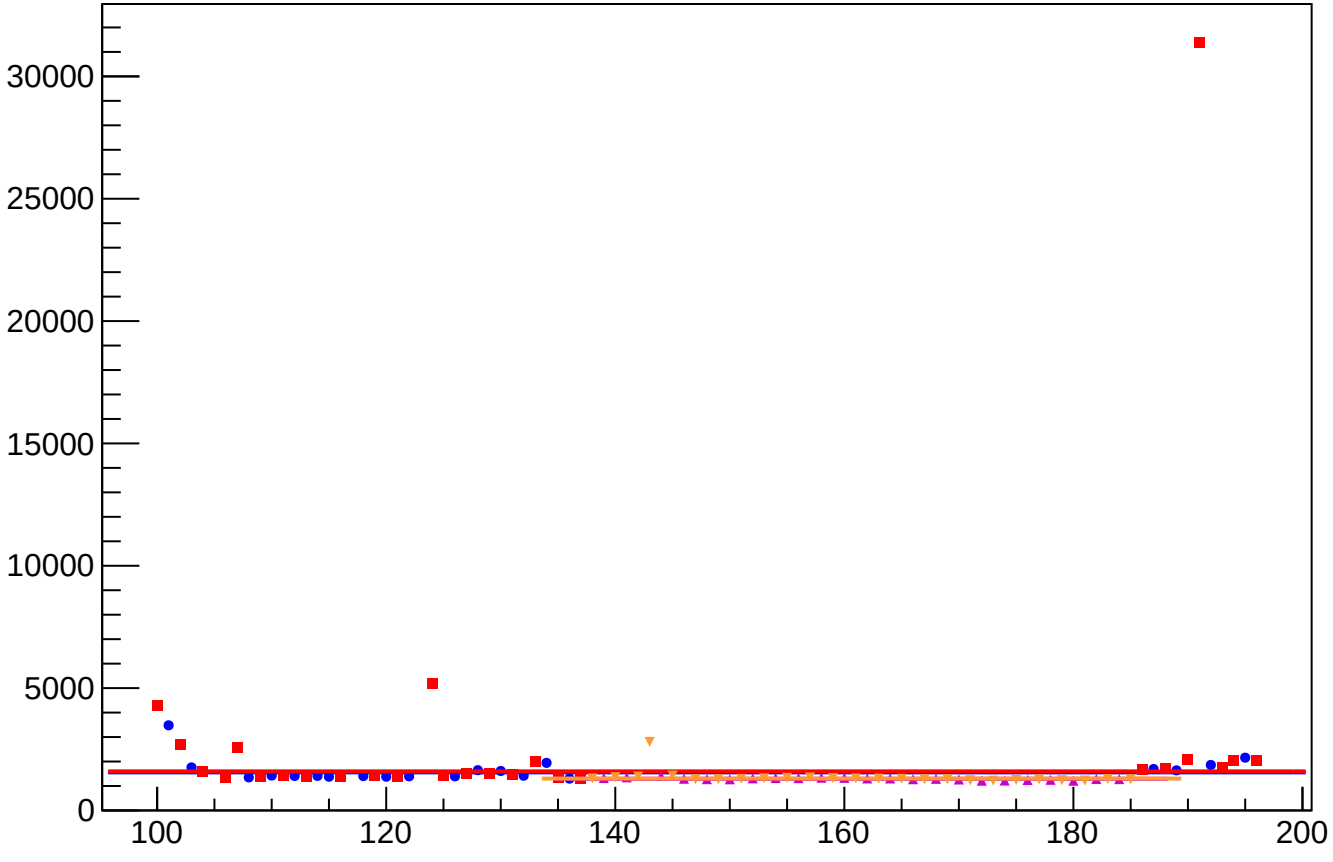
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -411.699+/-257.258 χ^2/NDF: 47.5/44

All: 25.659+/-181.338 χ^2/NDF: 95.7/93

- sign 457.566+/-255.650 χ^2/NDF: 42.4/48

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1556.304+/-0.359 χ^2/NDF: 807782.1/19

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

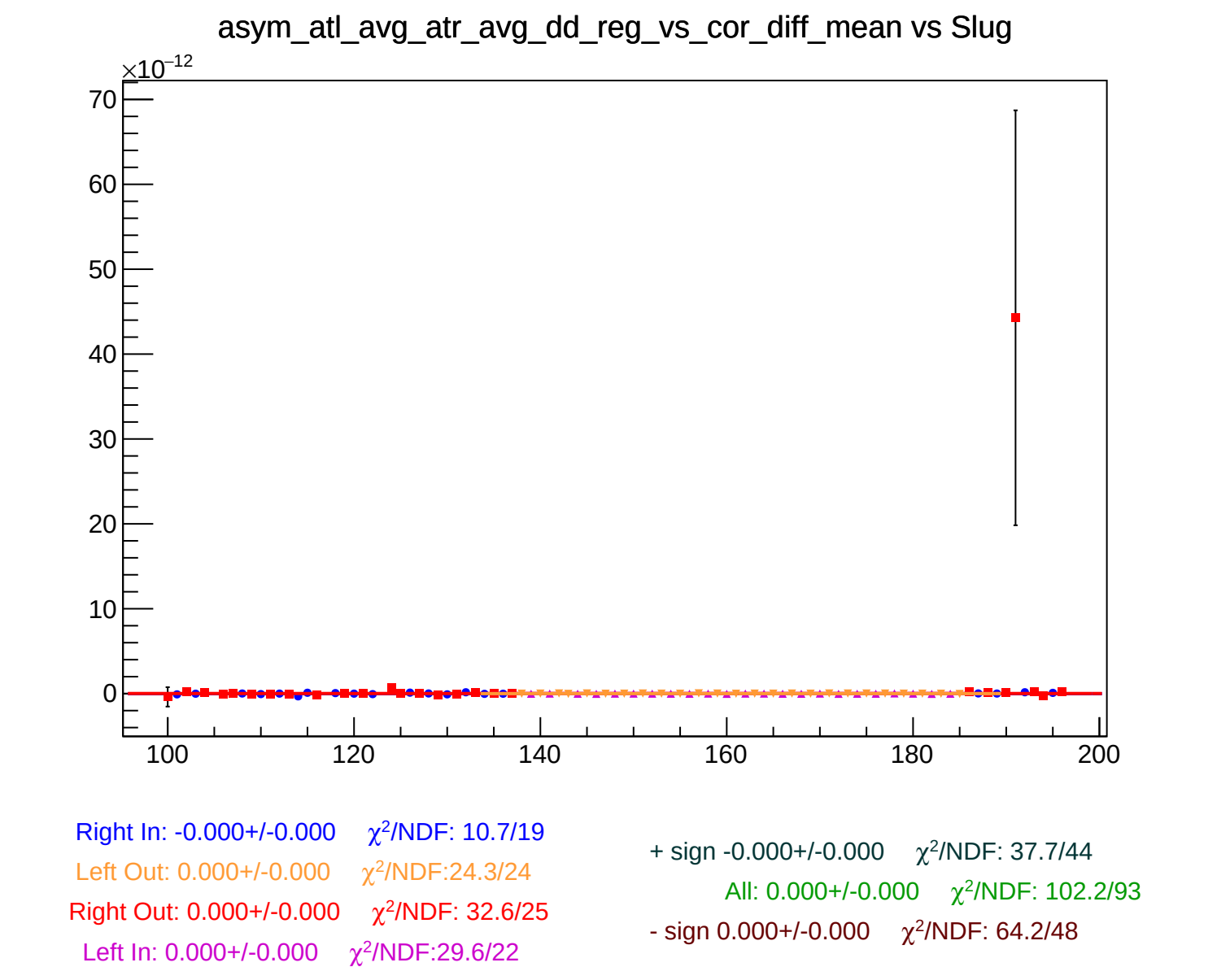
Right Out: 1597.038+/-0.340 χ^2/NDF: 1056041.4/25

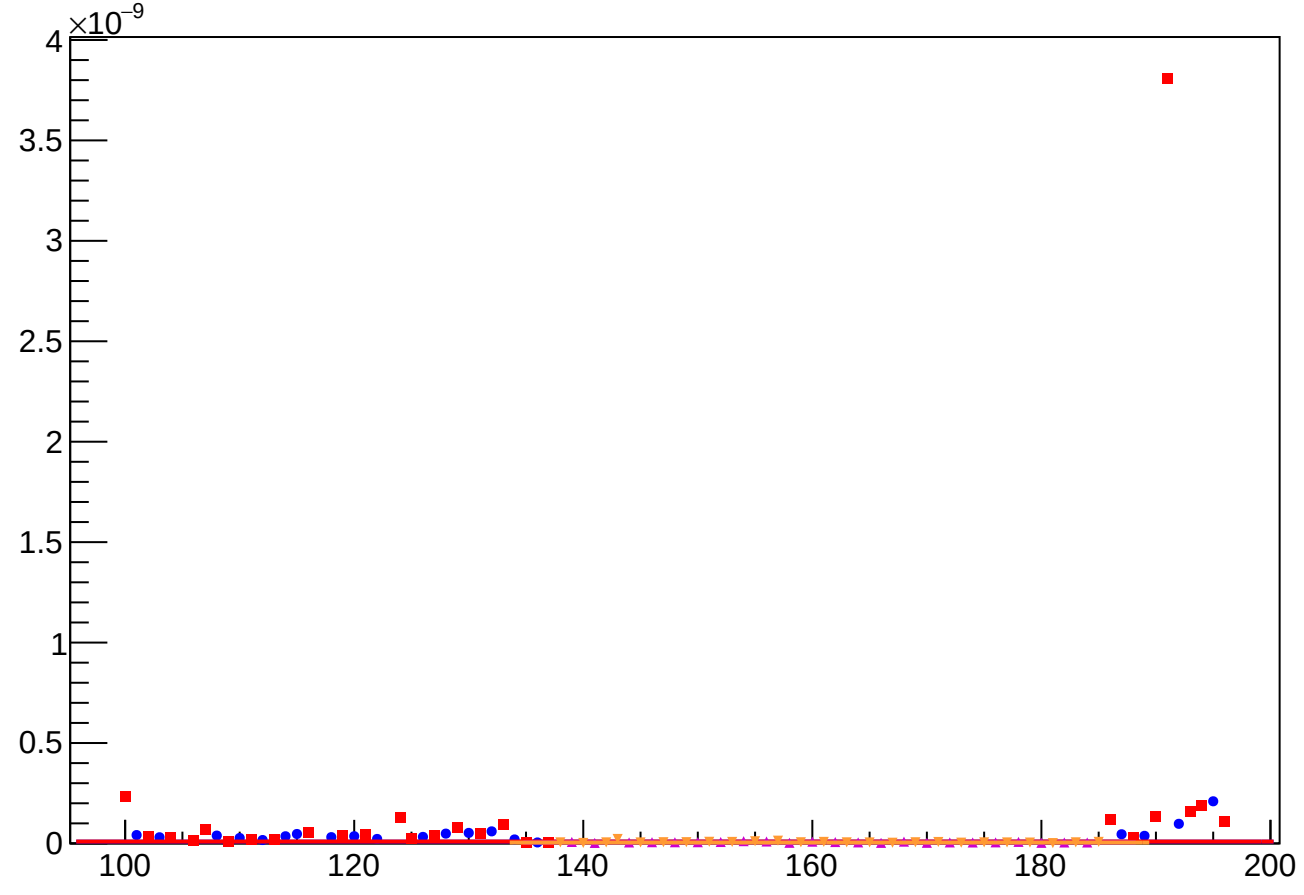
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1368.730+/-0.182 χ^2/NDF: 1693424.1/44

All: 1373.592+/-0.128 χ^2/NDF: 3376449.0/93

- 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: 10.7/19
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: 37.7/44
All: 0.000+/-0.000 χ²/NDF: 102.2/93
- sign 0.000+/-0.000 χ²/NDF: 64.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

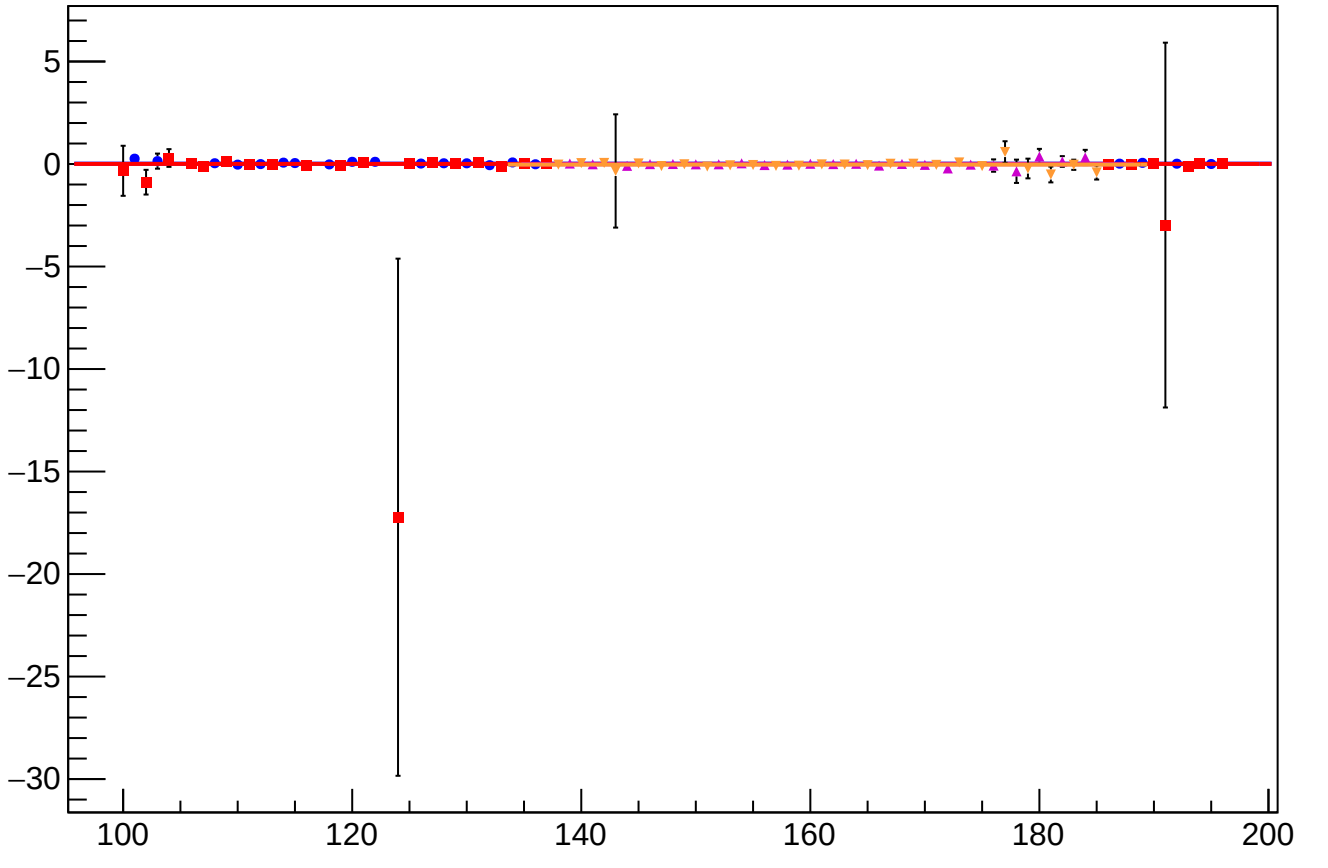
Right Out: 0.000+/-0.000 χ^2/NDF: 6299061.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7929399.4/44

All: 0.000+/-0.000 χ^2/NDF: 16805036.5/93

- sign 0.000+/-0.000 χ^2/NDF: 8850344.0/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

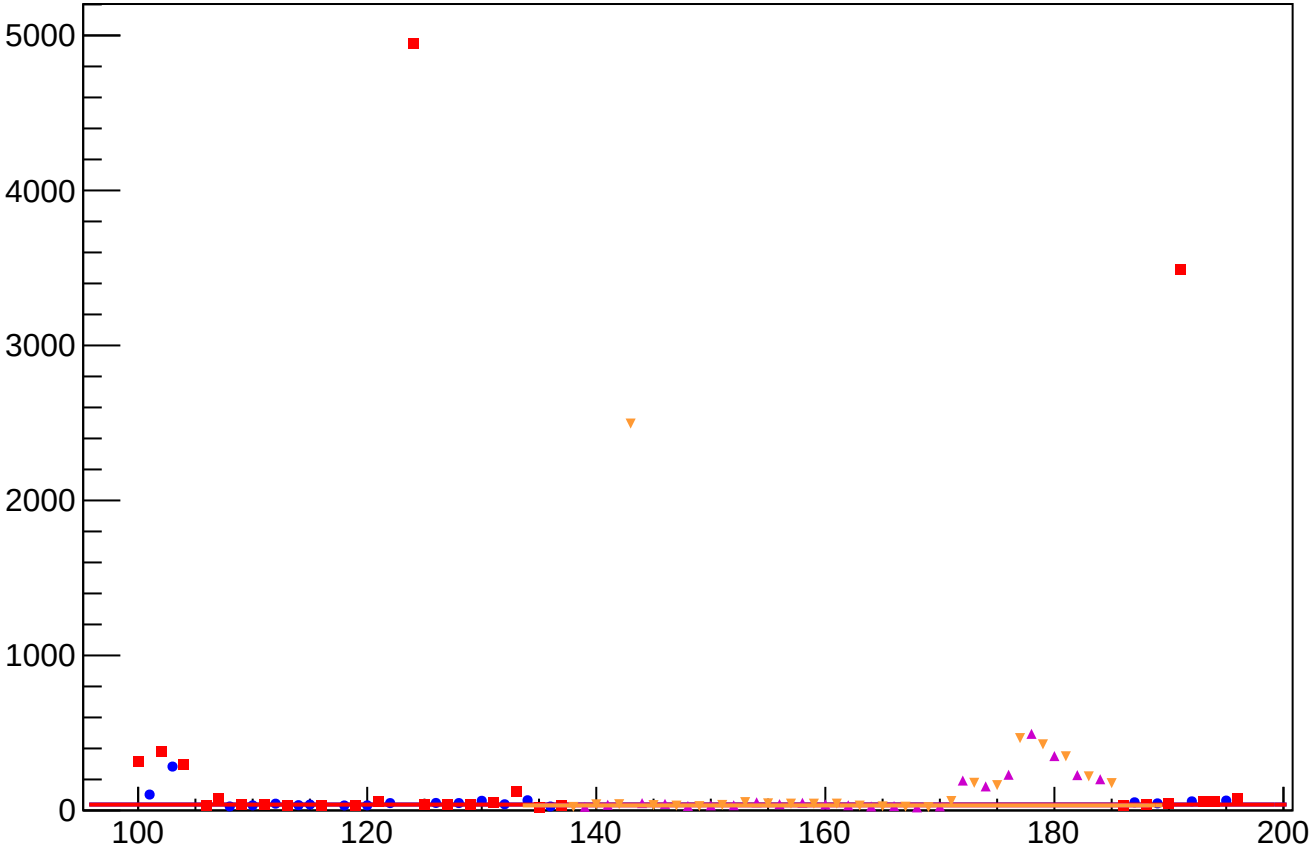
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- 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: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

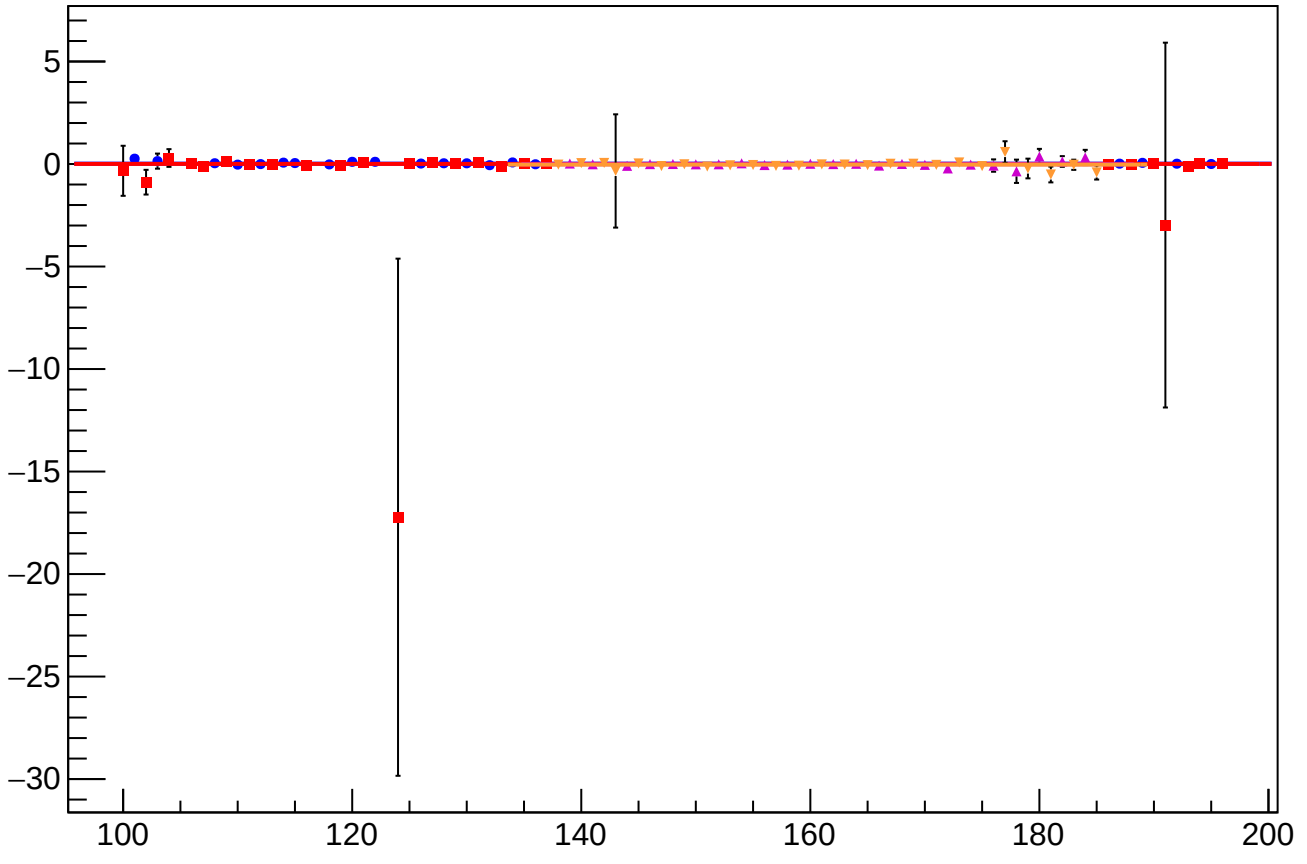
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.417+/-0.004 χ^2/NDF: 27245895.9/93

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

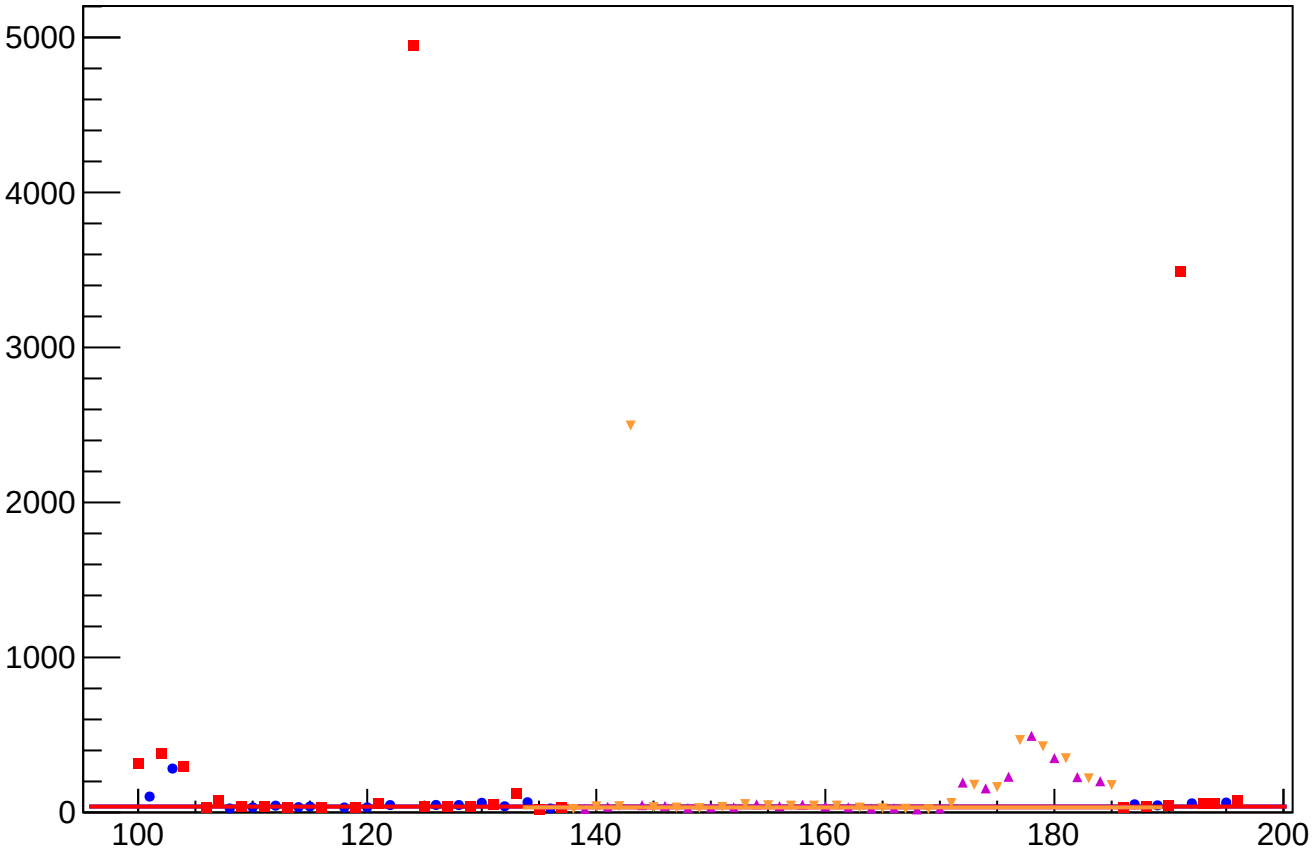
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

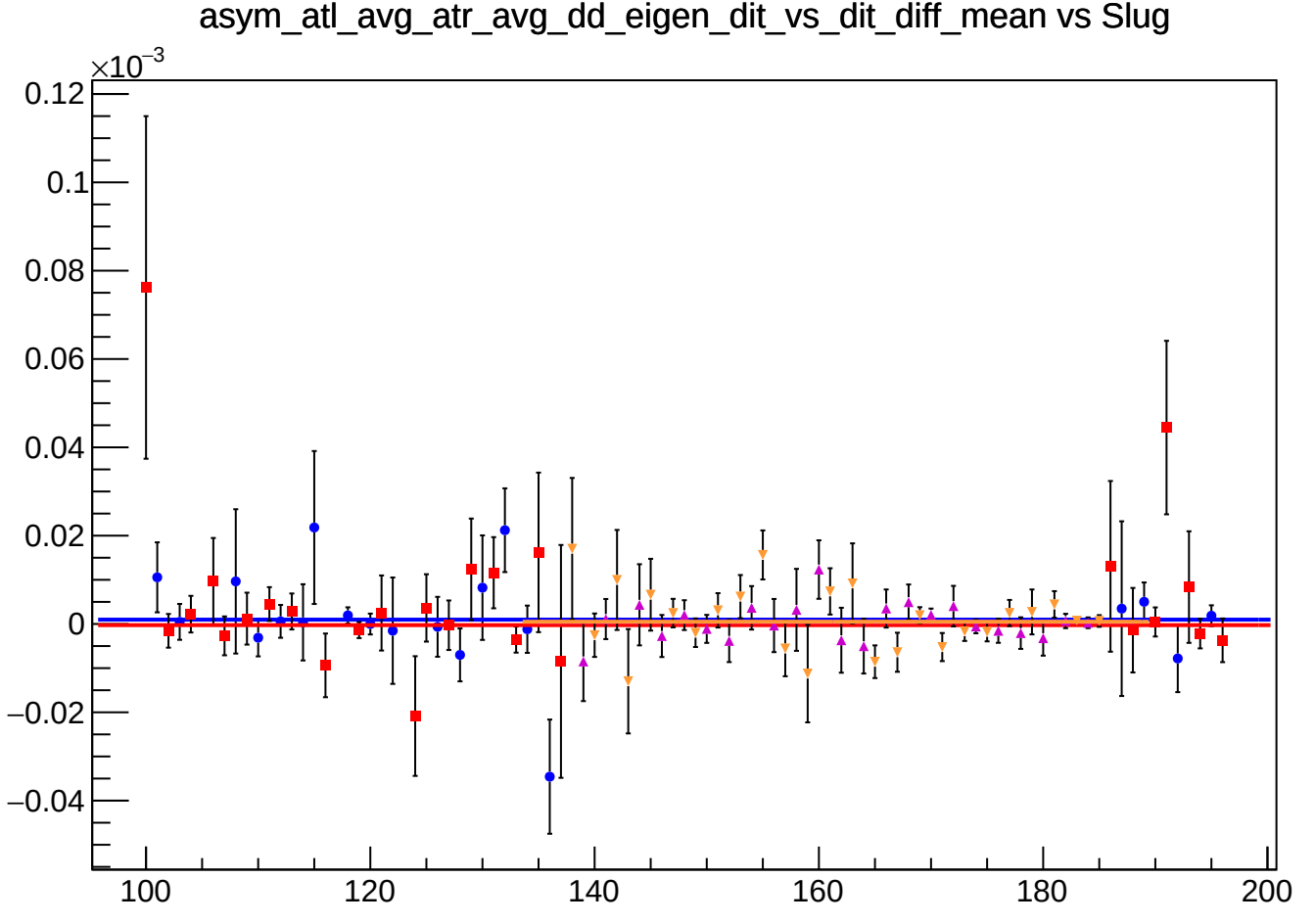
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.417+/-0.004 χ^2/NDF: 27245895.9/93

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

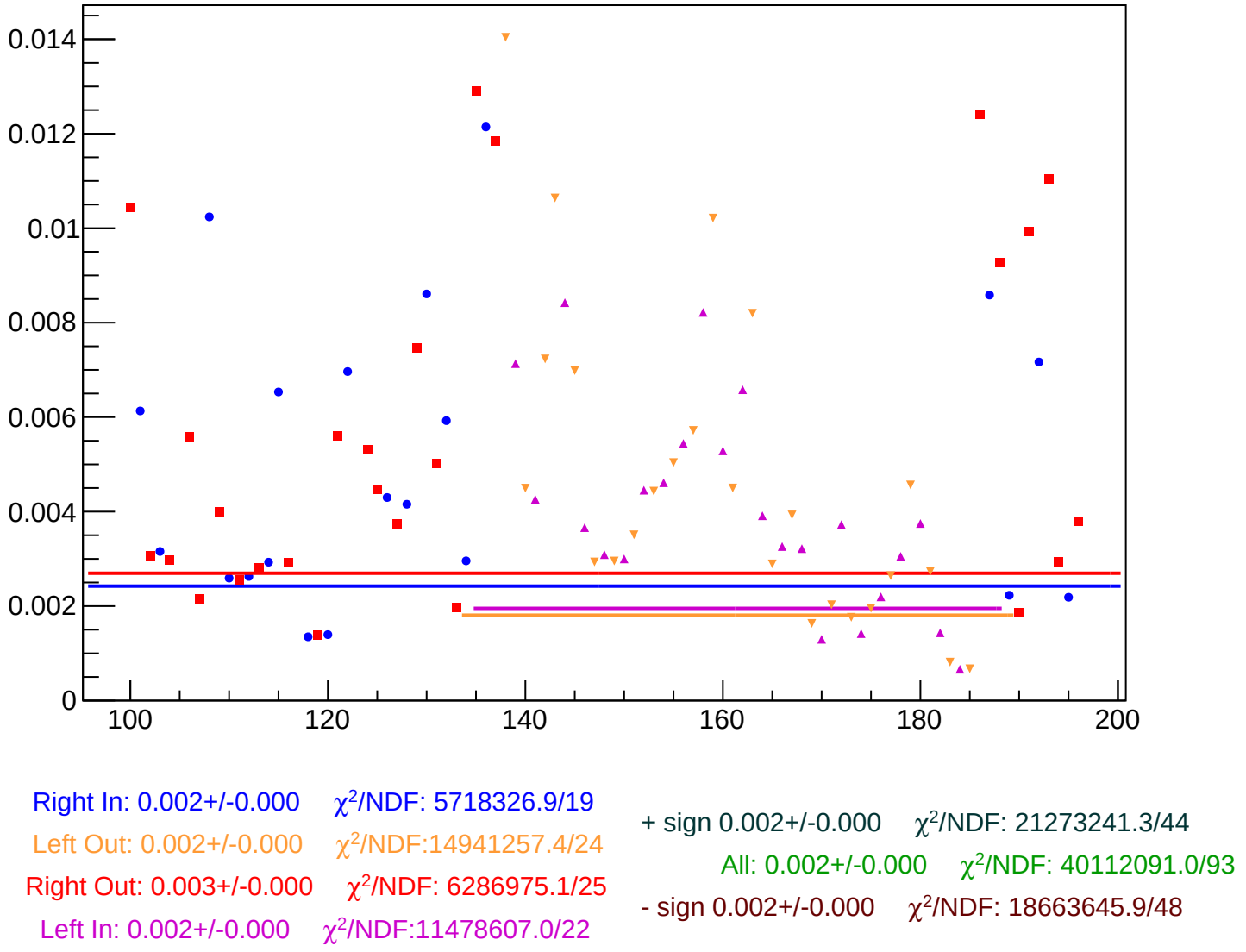
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

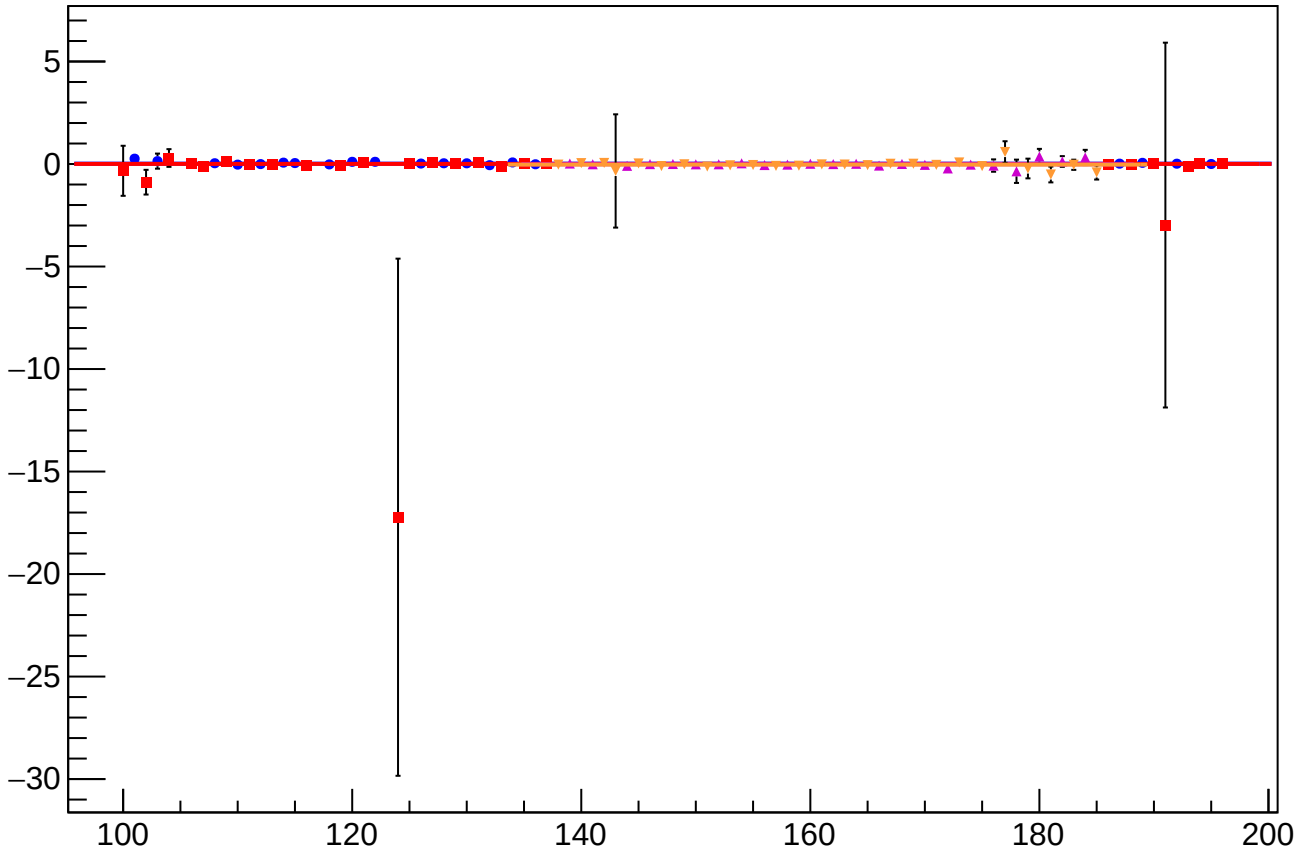
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/44

All: 0.000+/-0.000 χ^2/NDF: 96.9/93

- 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: 5718326.9/19
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: 21273241.3/44
All: 0.002+/-0.000 χ²/NDF: 40112091.0/93
- sign 0.002+/-0.000 χ²/NDF: 18663645.9/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

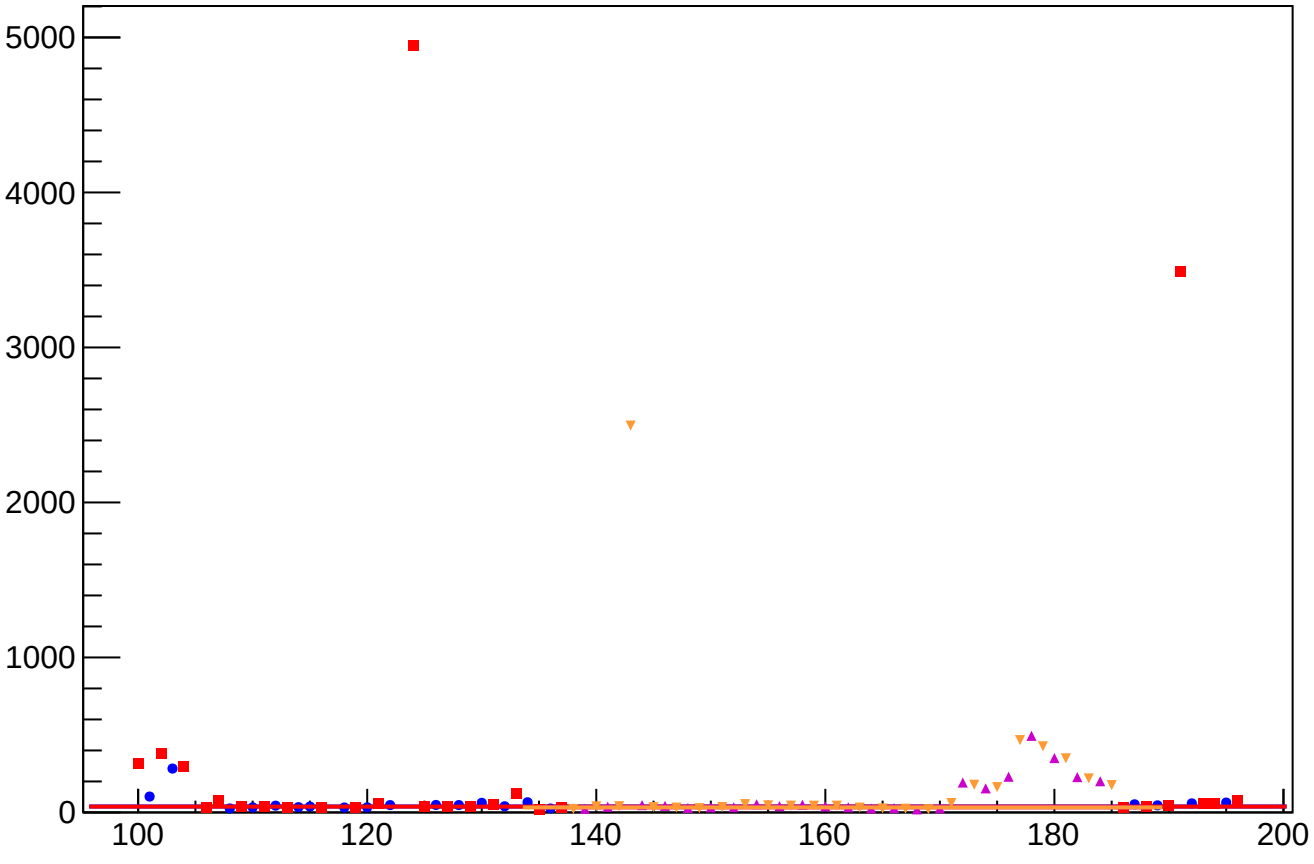
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

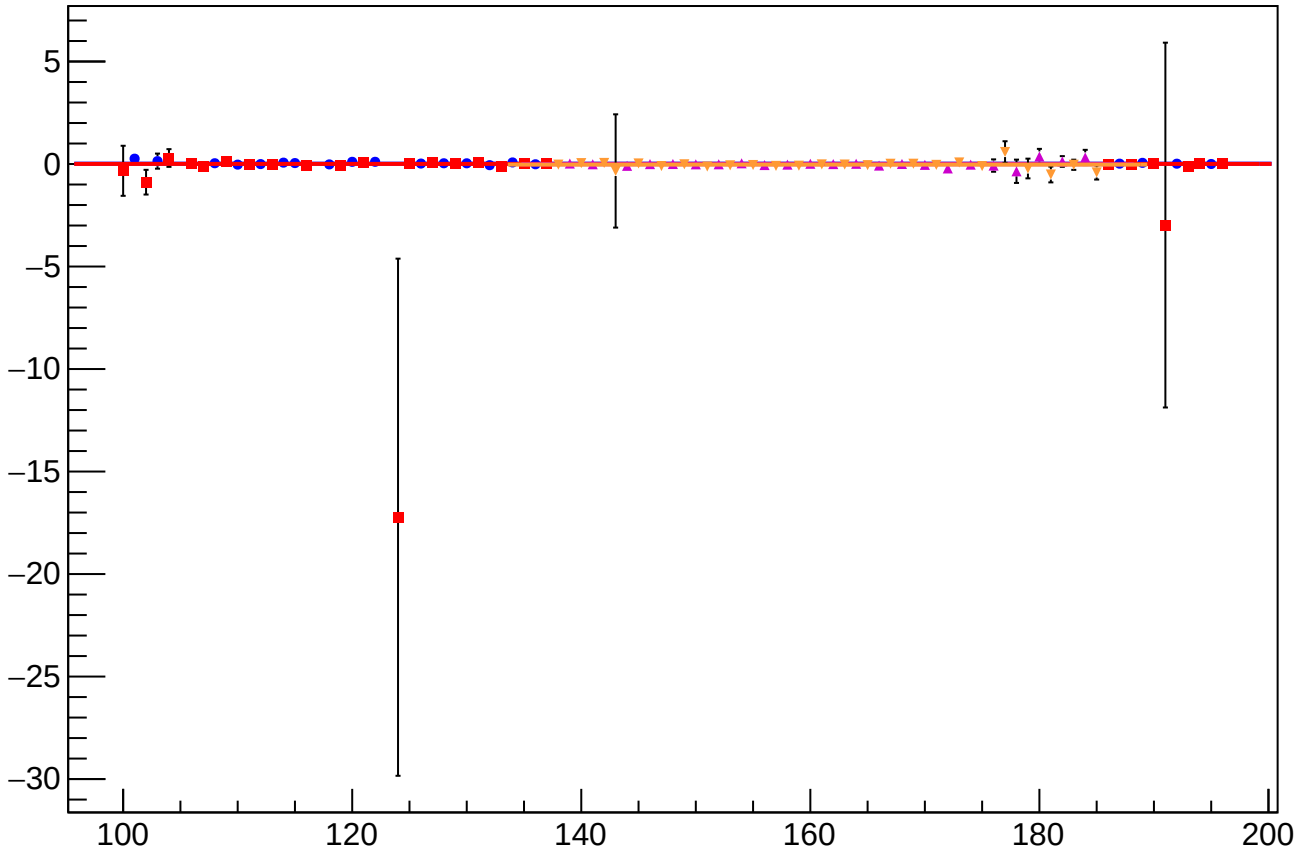
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.417+/-0.004 χ^2/NDF: 27246365.4/93

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

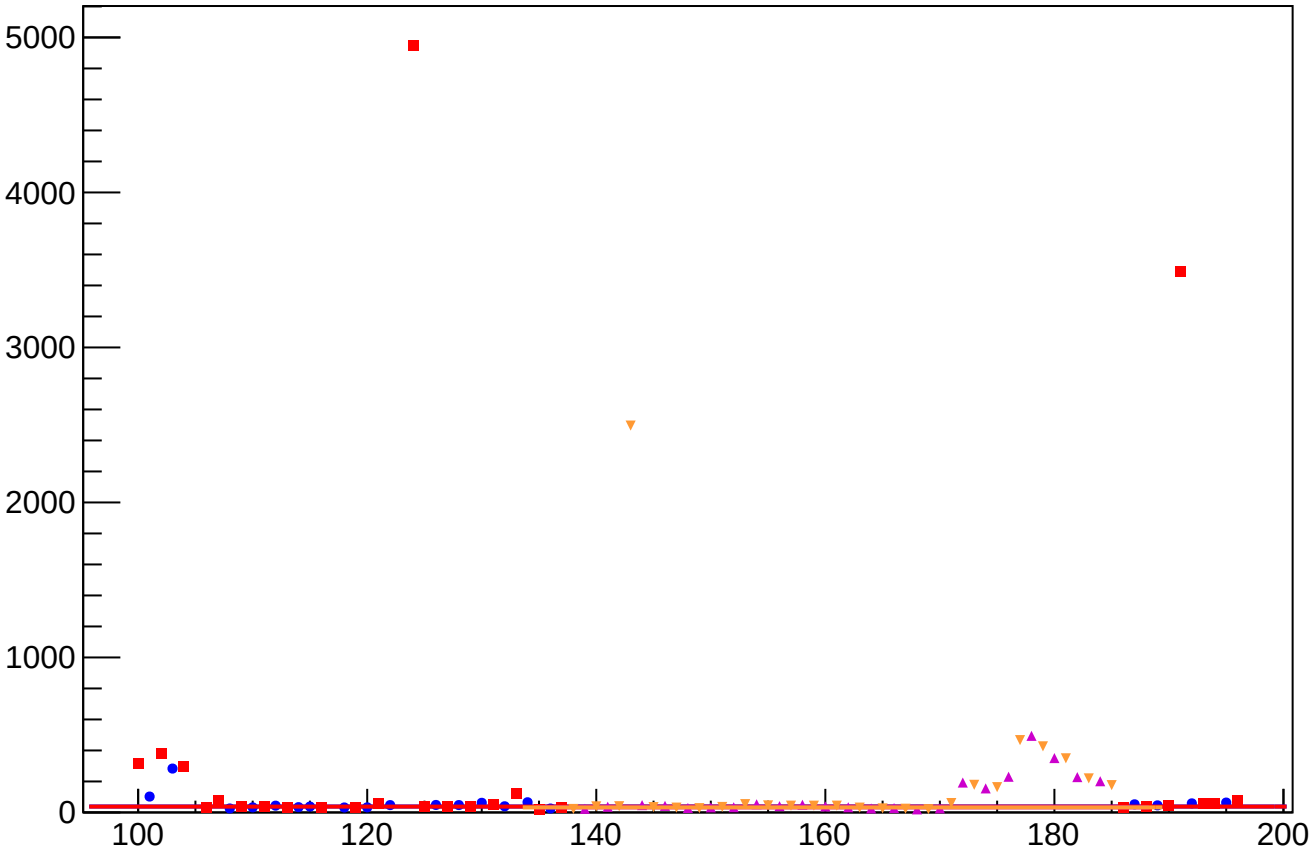
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

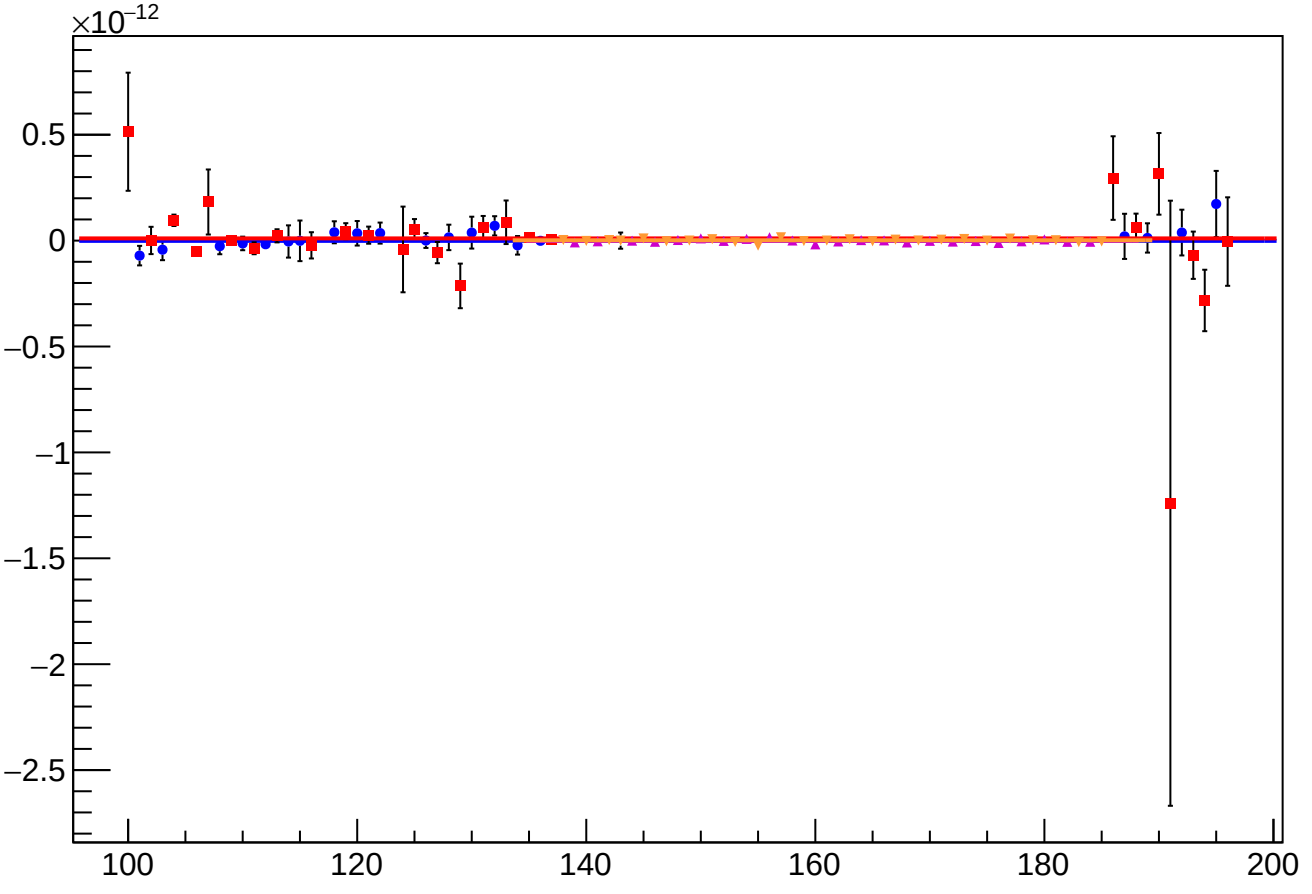
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.417+/-0.004 χ^2/NDF: 27246365.4/93

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

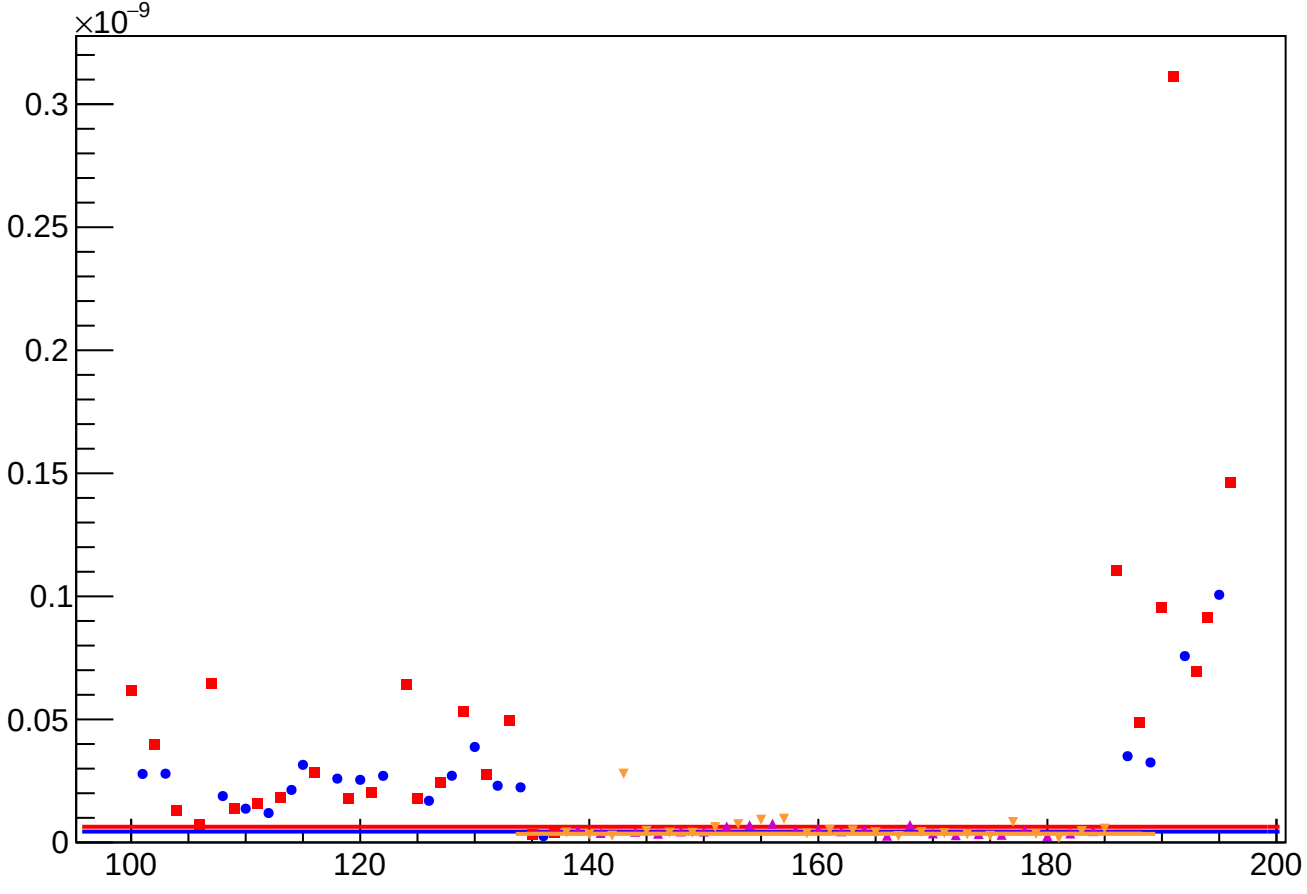
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/25

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/44

All: 0.000+/-0.000 χ^2/NDF: 116.3/93

- sign -0.000+/-0.000 χ^2/NDF: 86.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 7214013.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9042089.6/25

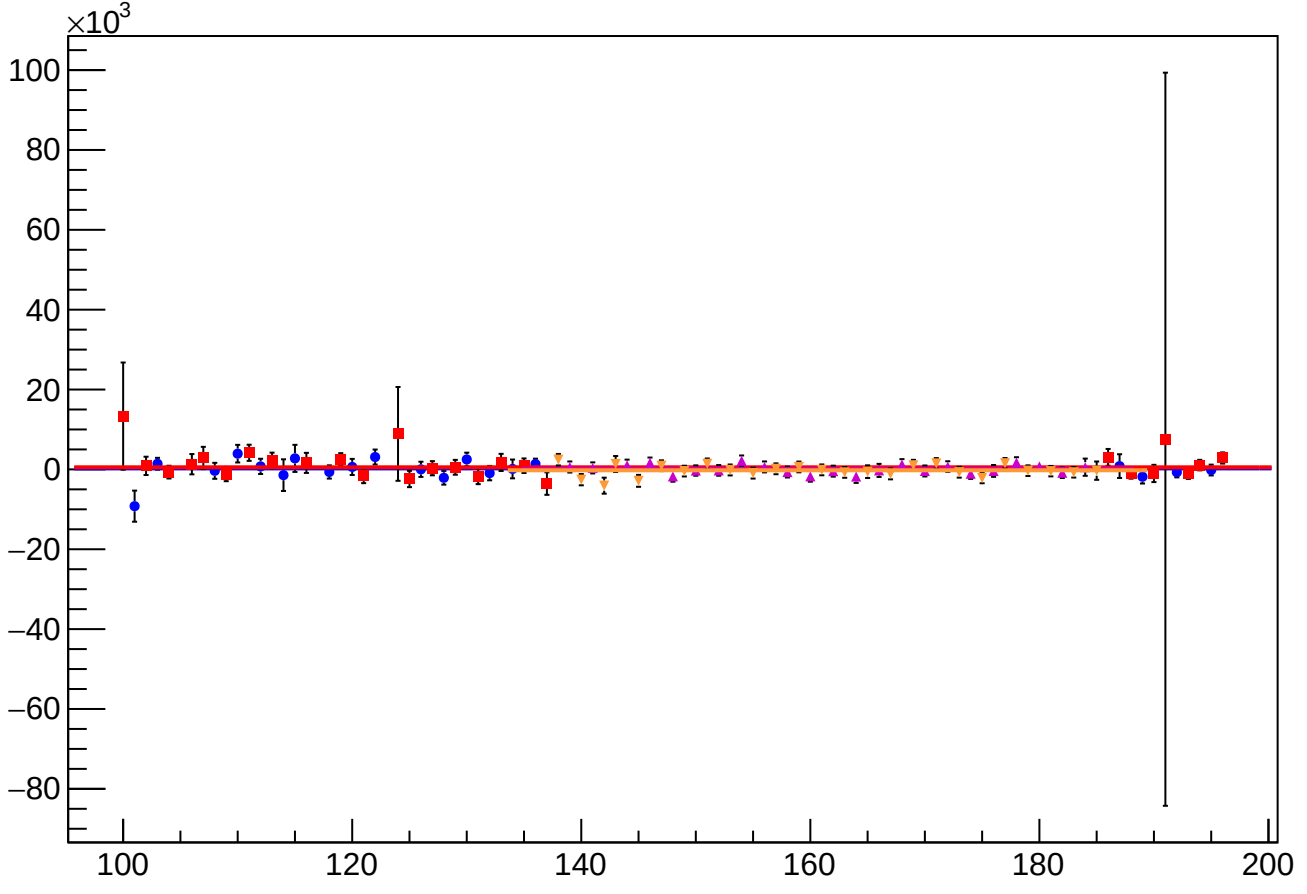
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12036302.1/44

All: 0.000+/-0.000 χ^2/NDF: 24056775.6/93

- sign 0.000+/-0.000 χ^2/NDF: 11733268.9/48

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 249.022+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 523.904+/-381.285 χ^2/NDF: 24.0/25

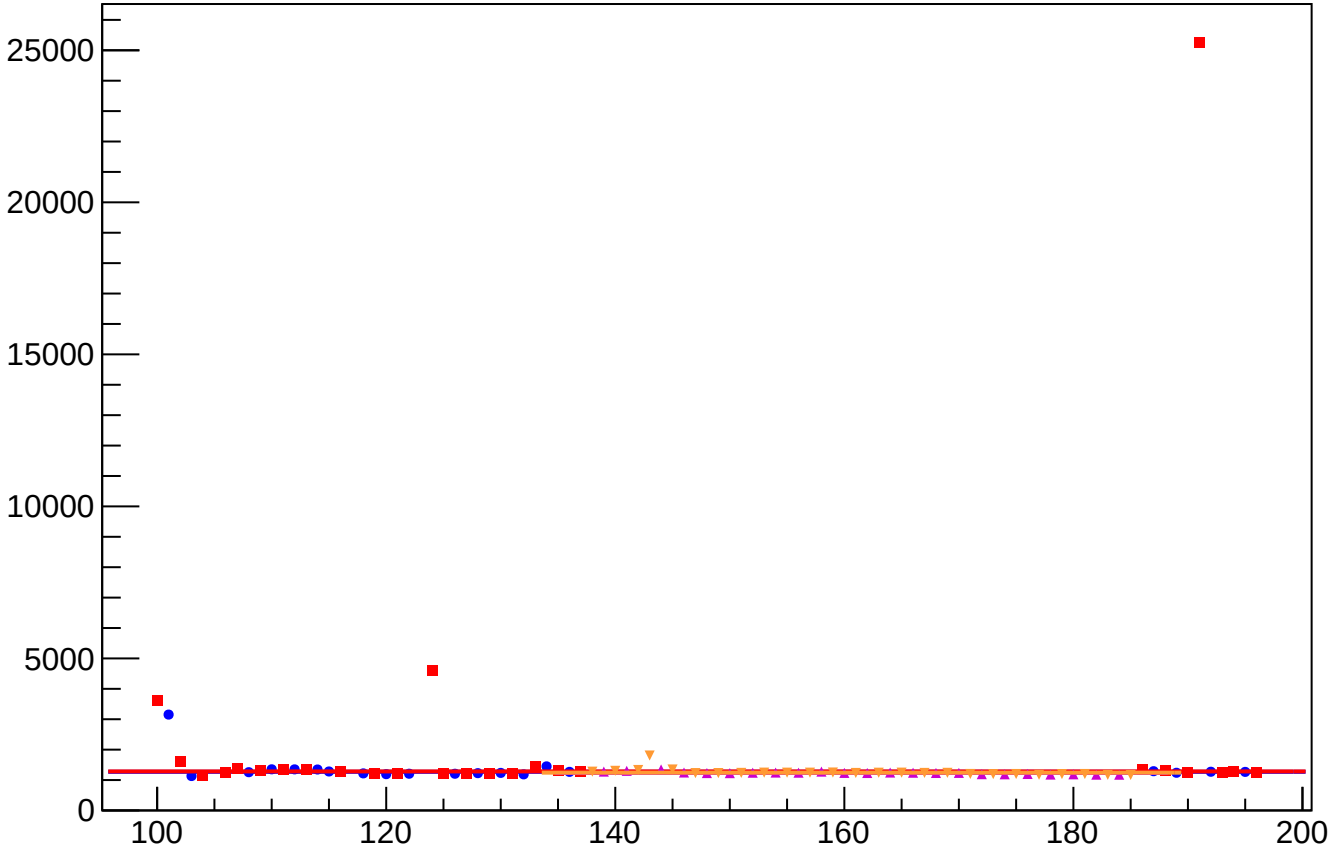
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -69.941+/-233.244 χ^2/NDF: 44.5/44

All: 91.974+/-163.740 χ^2/NDF: 85.0/93

- sign 249.306+/-229.920 χ^2/NDF: 39.5/48

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520105.1/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

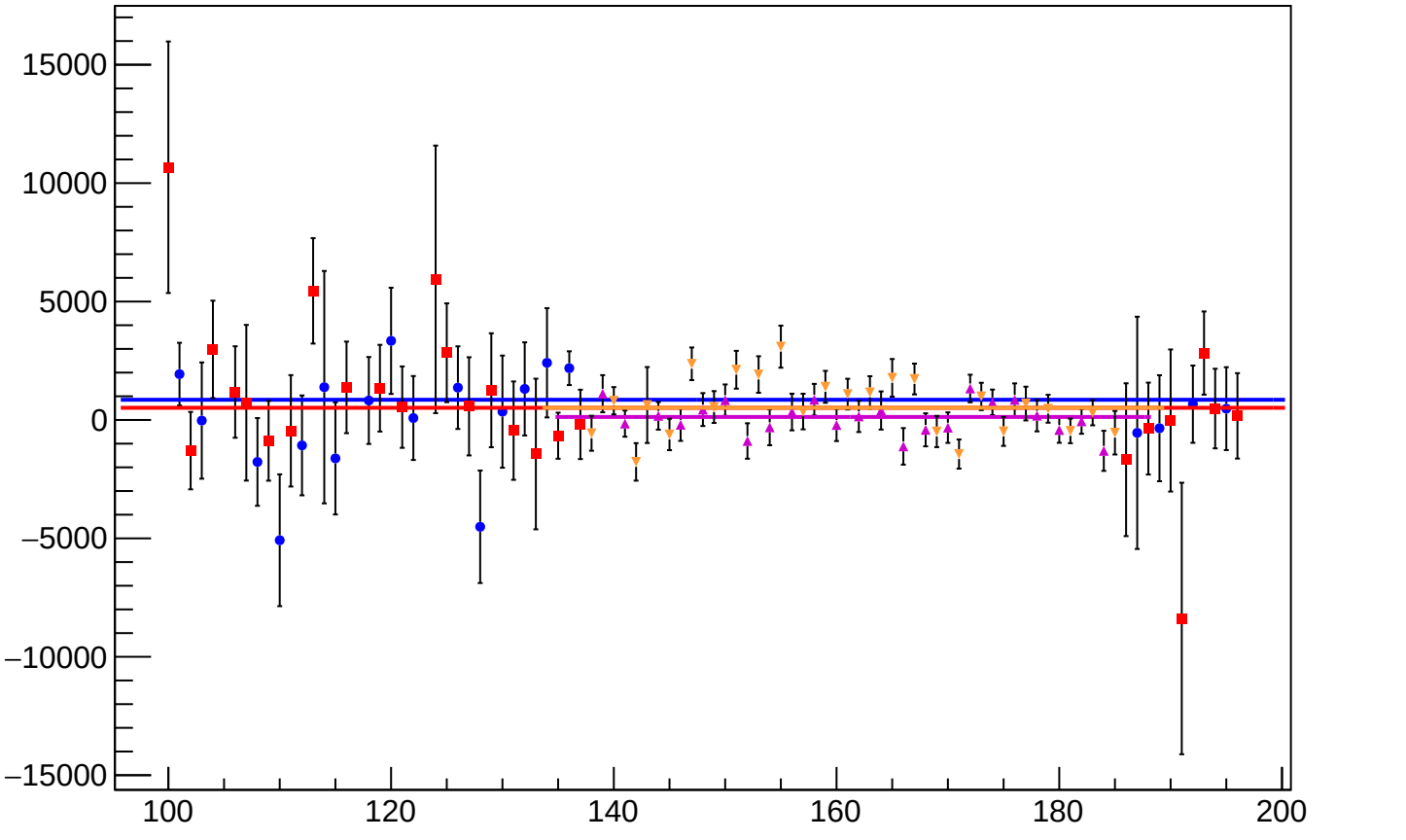
Right Out: 1283.835+/-0.270 χ^2/NDF: 468310.2/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729679.4/44

All: 1251.887+/-0.116 χ^2/NDF: 1259231.3/93

- sign 1251.964+/-0.163 χ^2/NDF: 529551.5/48



Right In: 852.797+/-393.502 χ^2/NDF: 20.4/19

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

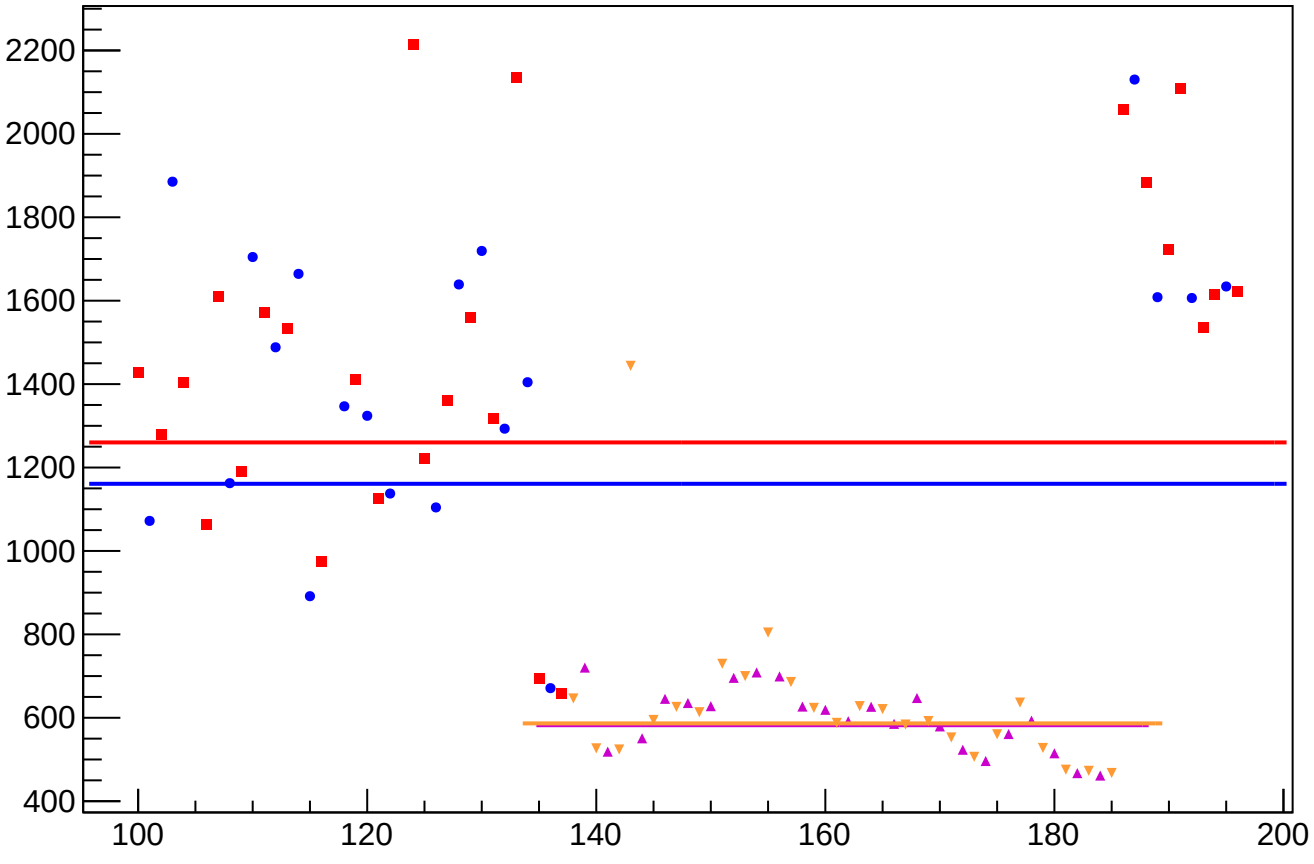
Right Out: 513.469+/-387.589 χ^2/NDF: 22.0/25

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.526+/-128.325 χ^2/NDF: 88.1/44

All: 362.691+/-91.114 χ^2/NDF: 137.0/93

- sign 169.688+/-129.391 χ^2/NDF: 44.5/48



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

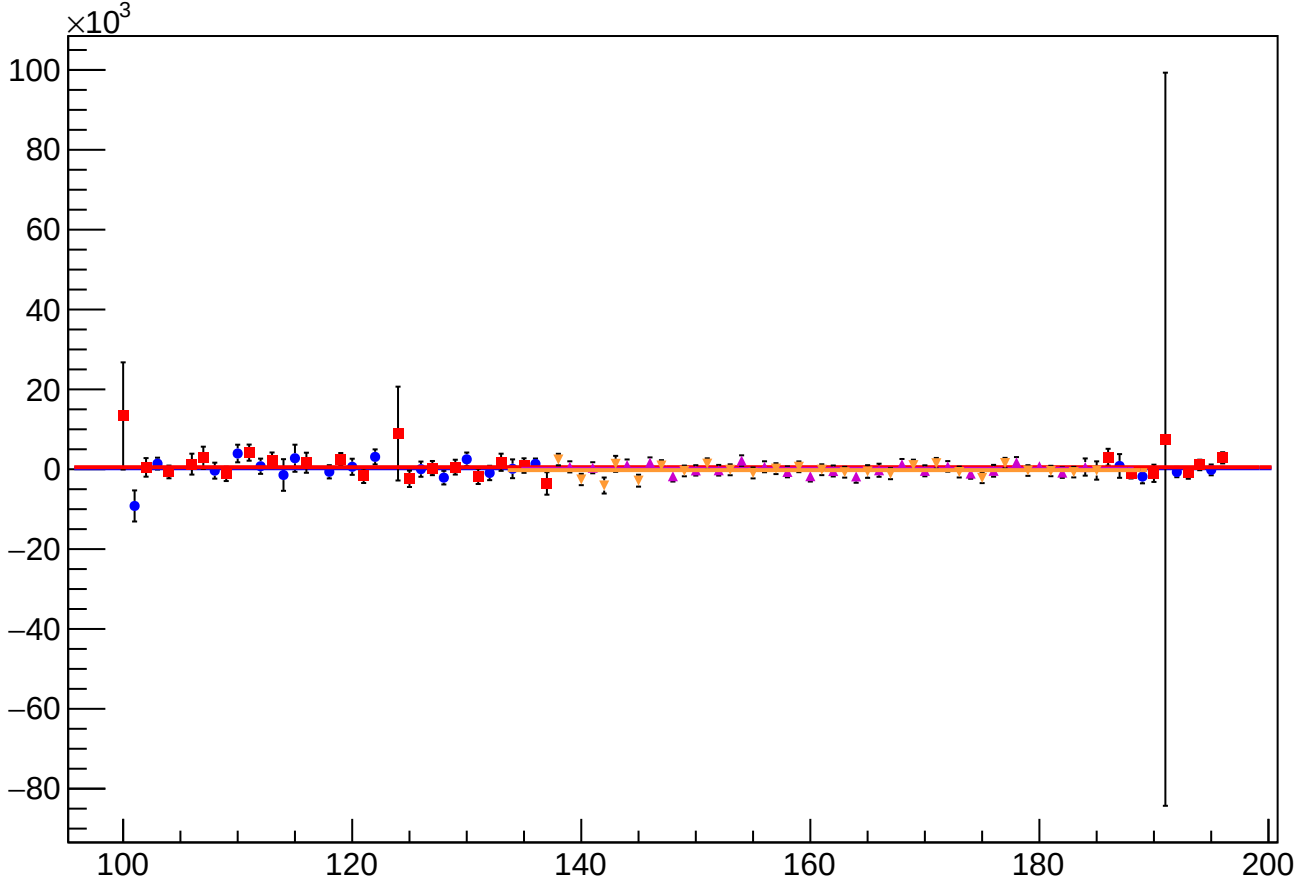
Right Out: 1260.190+/-0.274 χ^2/NDF: 2094204.0/25

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 647.648+/-0.091 χ^2/NDF: 7021324.1/44

All: 652.658+/-0.064 χ^2/NDF: 15118820.1/93

- sign 657.751+/-0.091 χ^2/NDF: 8091348.1/48



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

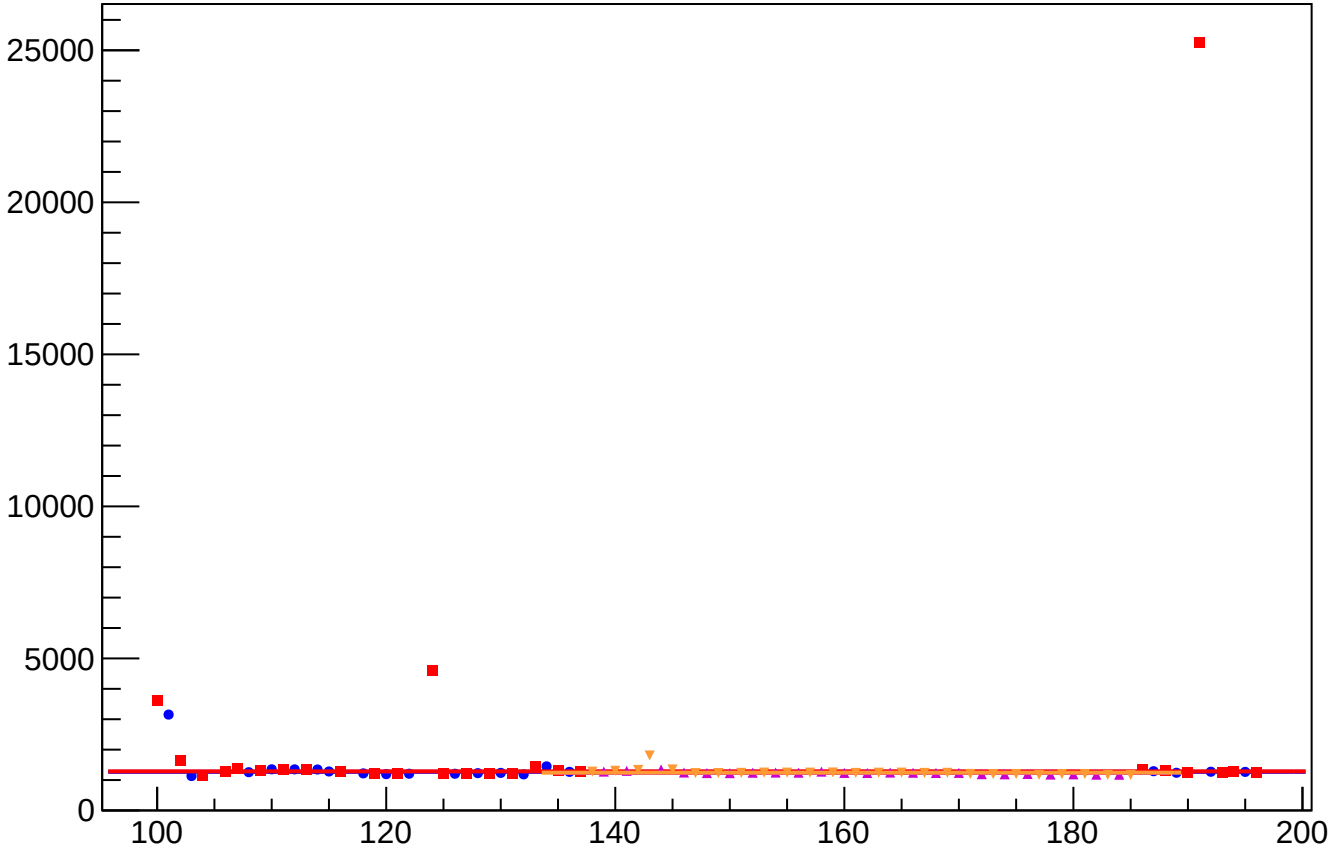
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 89.485+/-163.773 χ^2/NDF: 84.8/93

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

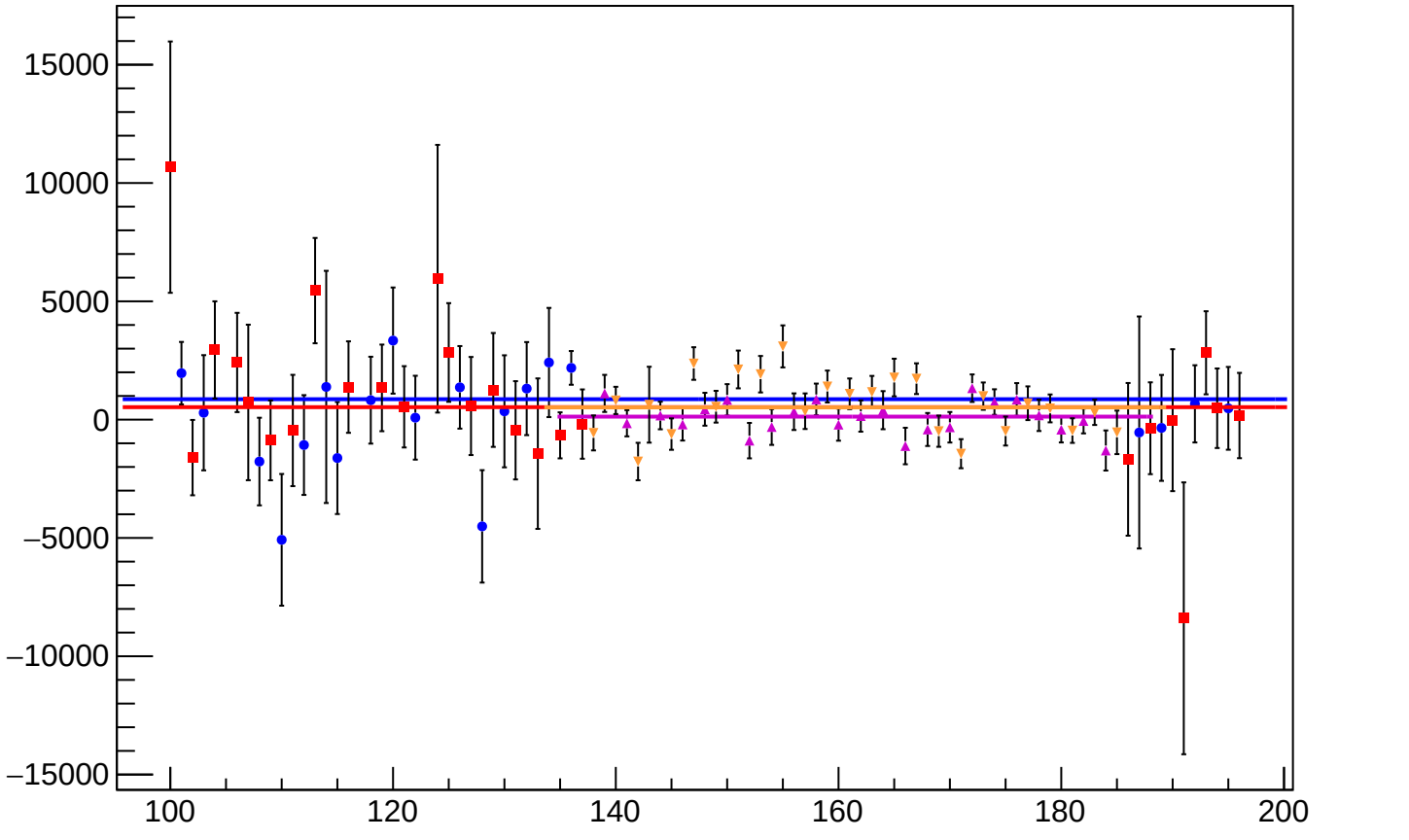
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1252.140+/-0.116 χ^2/NDF: 1267106.8/93

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

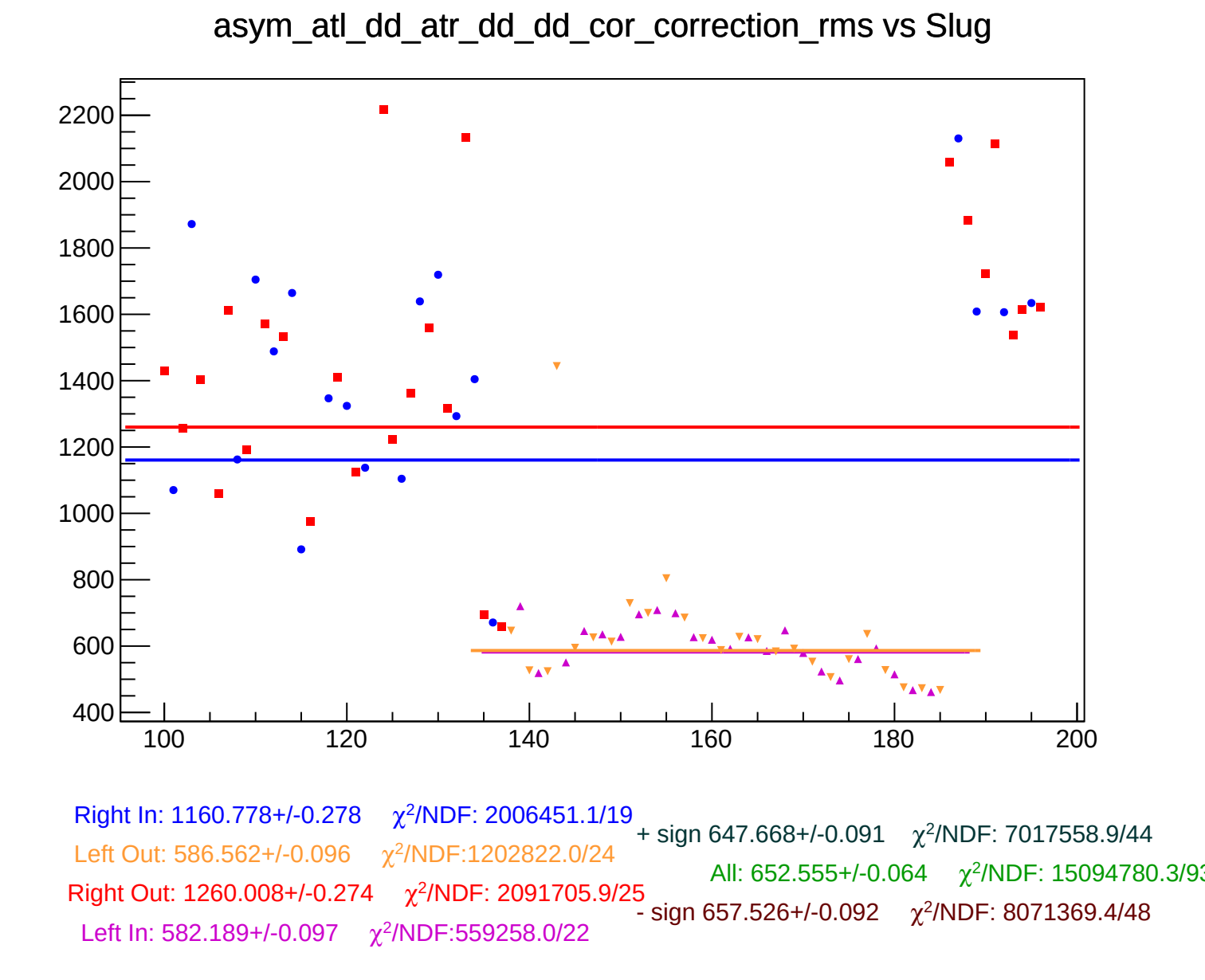
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

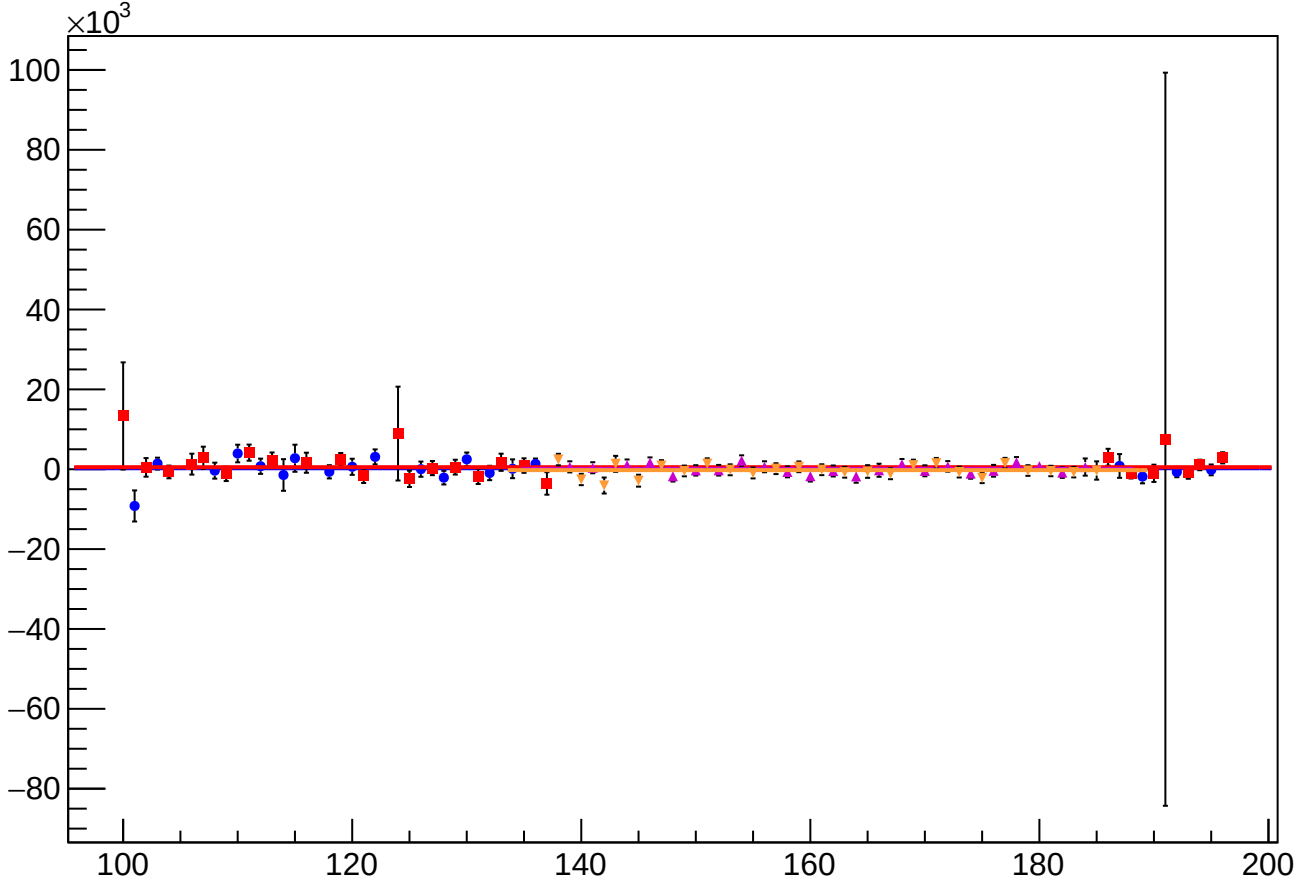
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 363.994+/-91.120 χ^2/NDF: 138.2/93

- sign 171.048+/-129.413 χ^2/NDF: 45.8/48


asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1160.778+/-0.278 χ²/NDF: 2006451.1/19
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1260.008+/-0.274 χ²/NDF: 2091705.9/25
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
+ sign 647.668+/-0.091 χ²/NDF: 7017558.9/44
All: 652.555+/-0.064 χ²/NDF: 15094780.3/93
- sign 657.526+/-0.092 χ²/NDF: 8071369.4/48



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

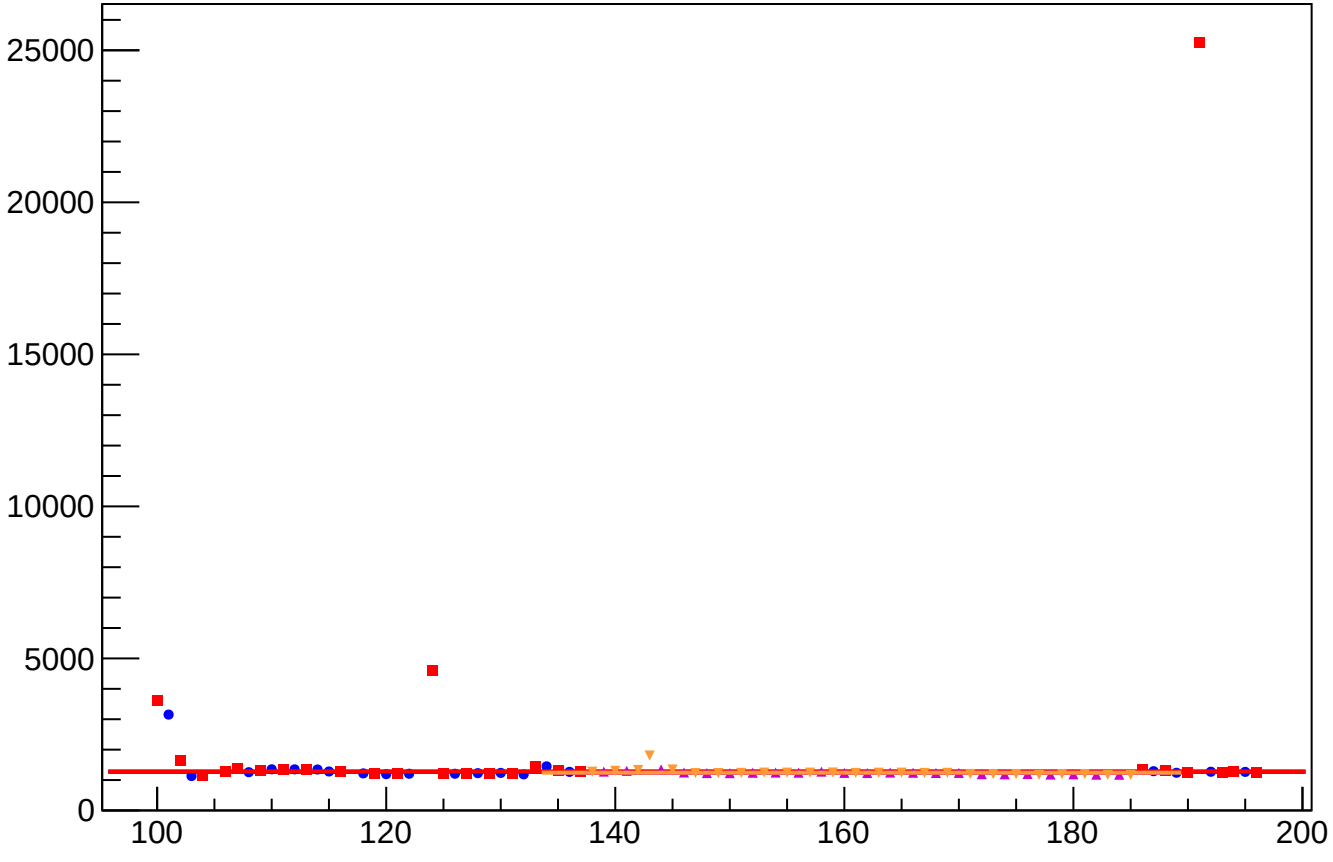
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 89.485+/-163.773 χ^2/NDF: 84.8/93

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

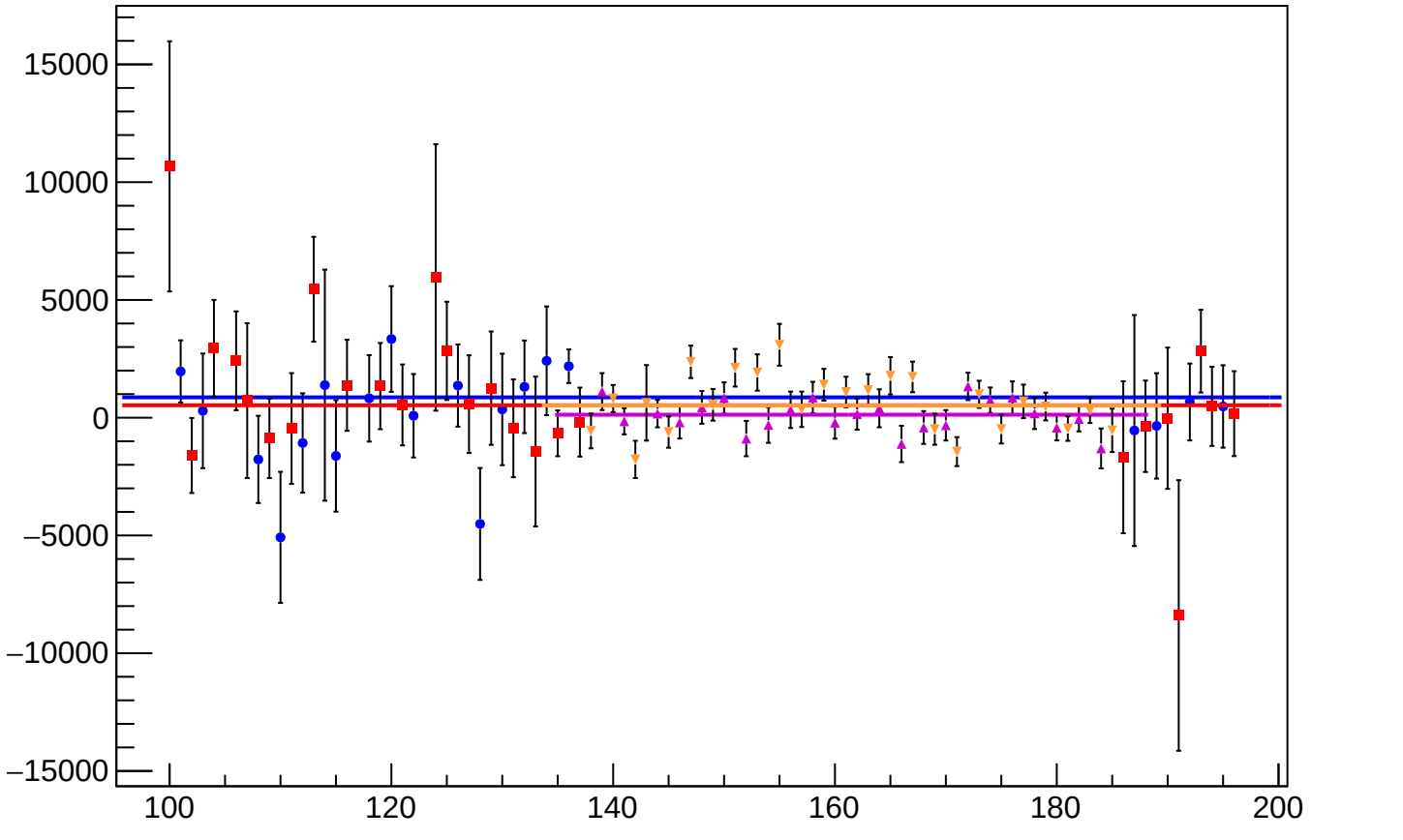
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1252.140+/-0.116 χ^2/NDF: 1267106.8/93

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

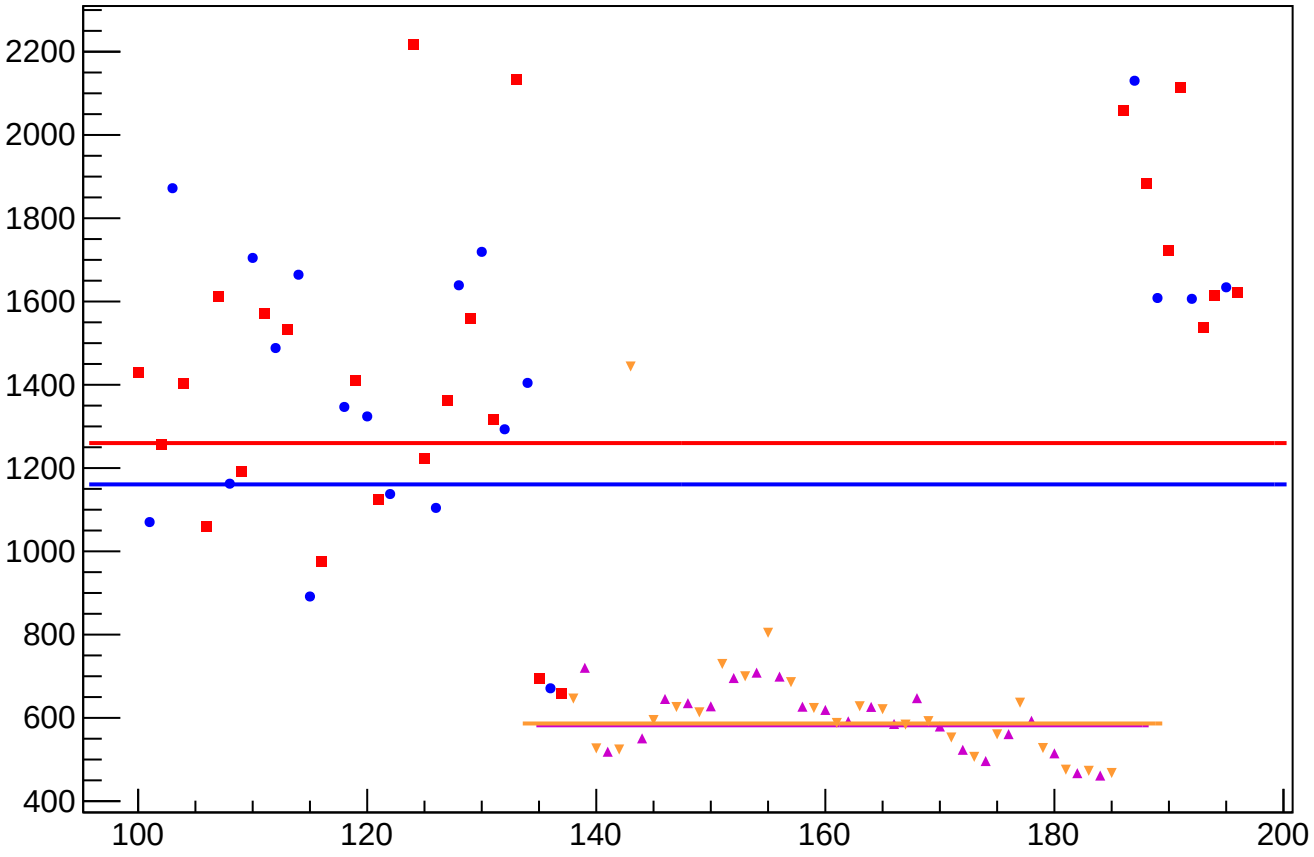
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 363.994+/-91.120 χ^2/NDF: 138.2/93

\- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

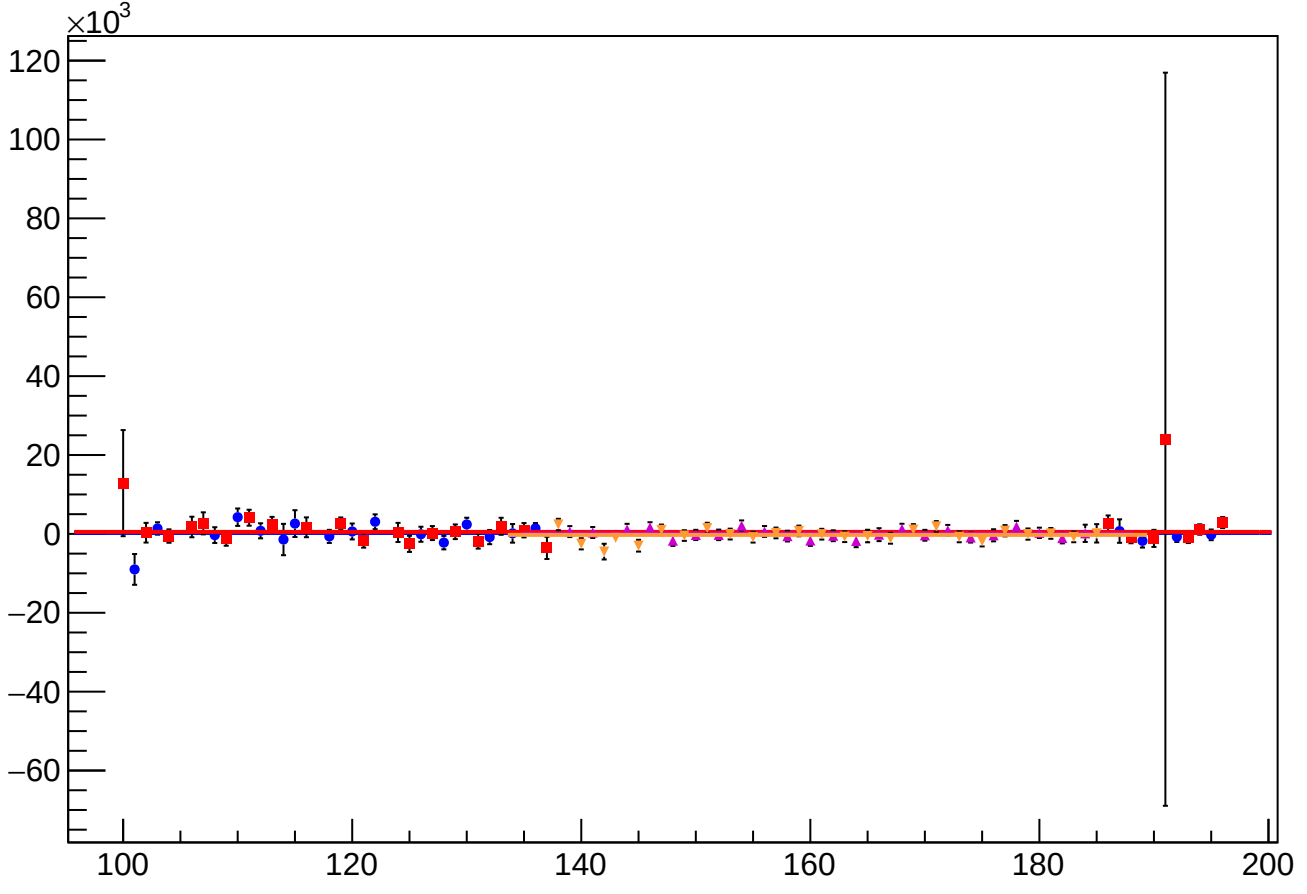
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 652.555+/-0.064 χ^2/NDF: 15094780.3/93

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 239.727+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

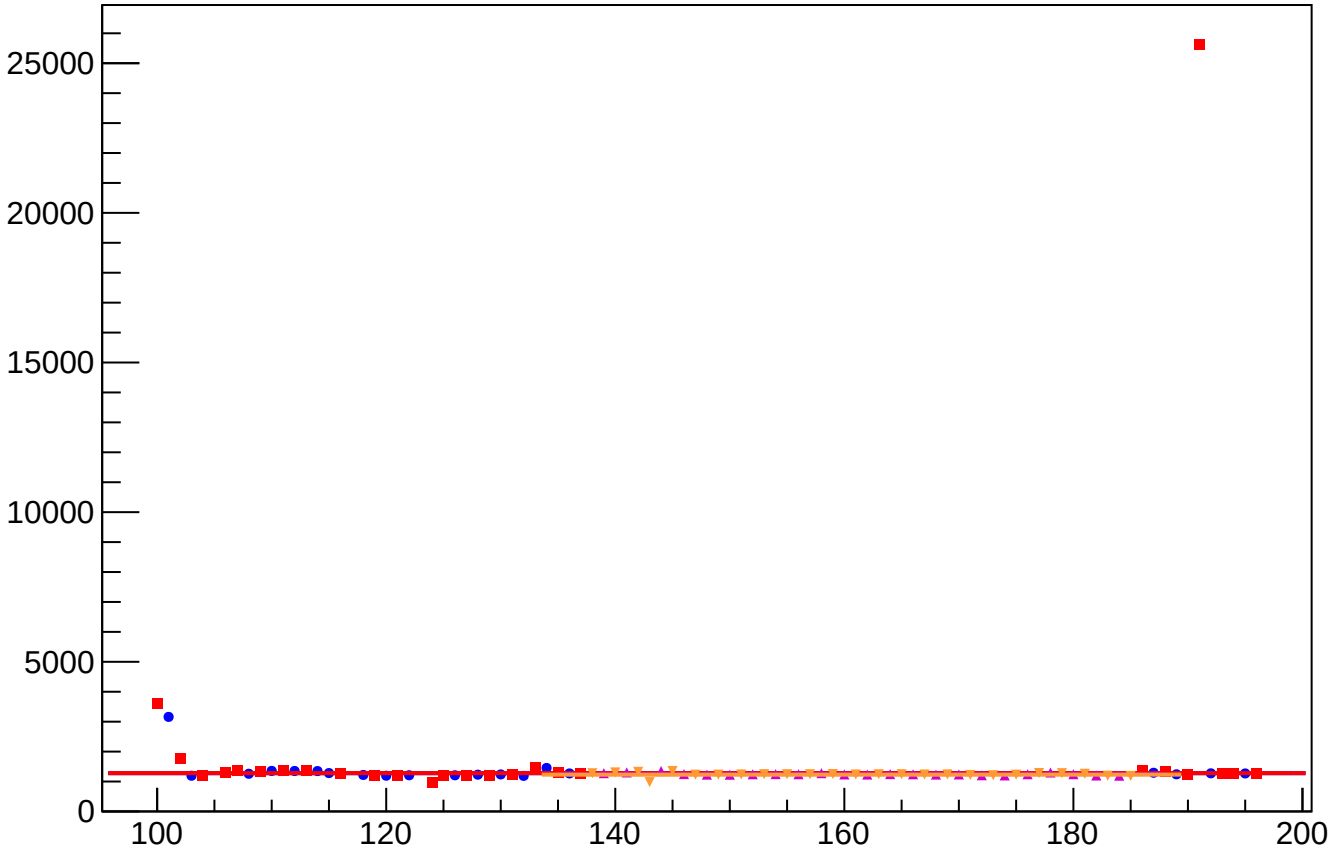
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.788+/-231.839 χ^2/NDF: 44.7/44

All: 69.095+/-163.704 χ^2/NDF: 84.1/93

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.412+/-0.293 χ^2/NDF: 508239.1/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.3/25

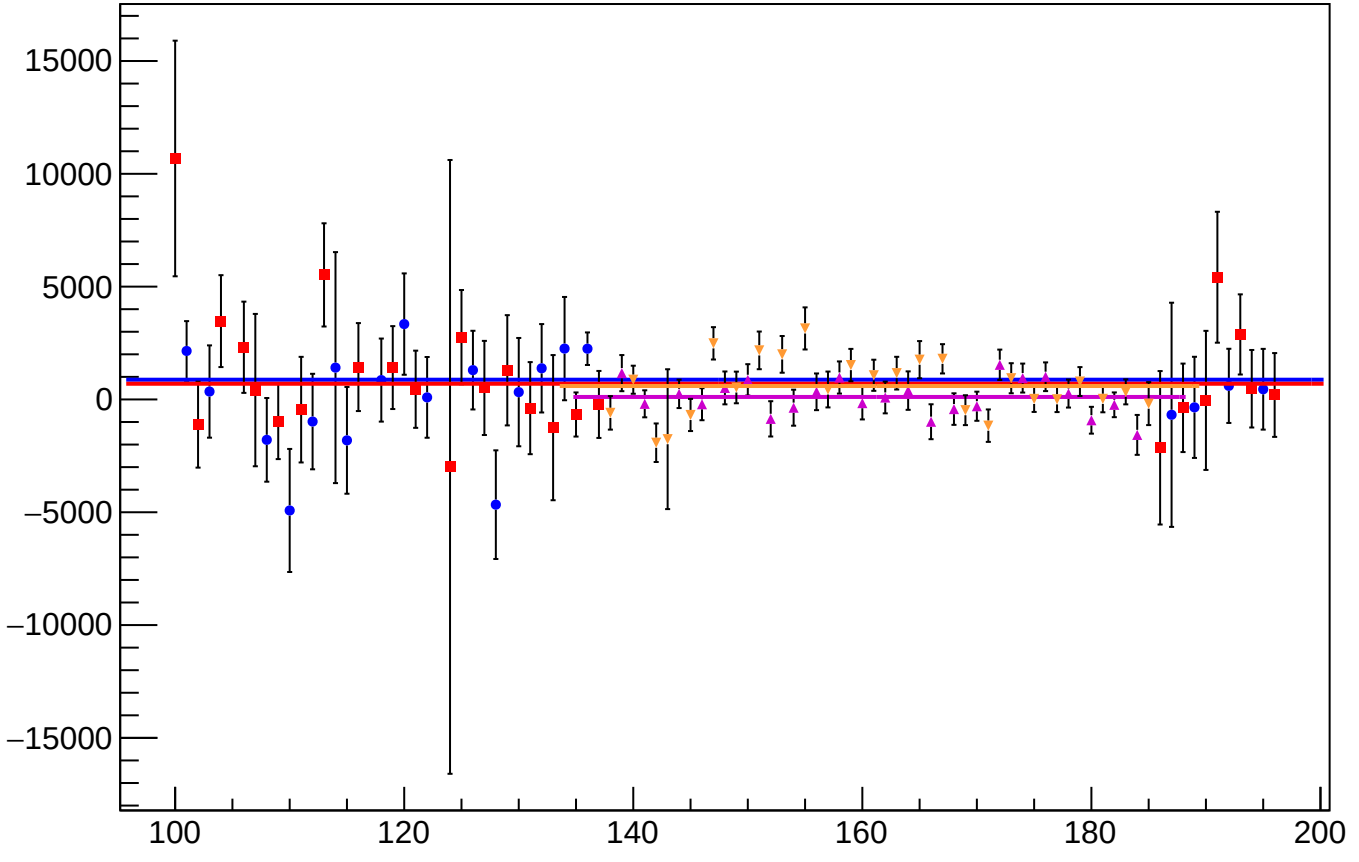
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667875.3/44

All: 1252.530+/-0.116 χ^2/NDF: 1077866.8/93

- sign 1260.138+/-0.163 χ^2/NDF: 405647.7/48

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 874.661+/-393.668 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

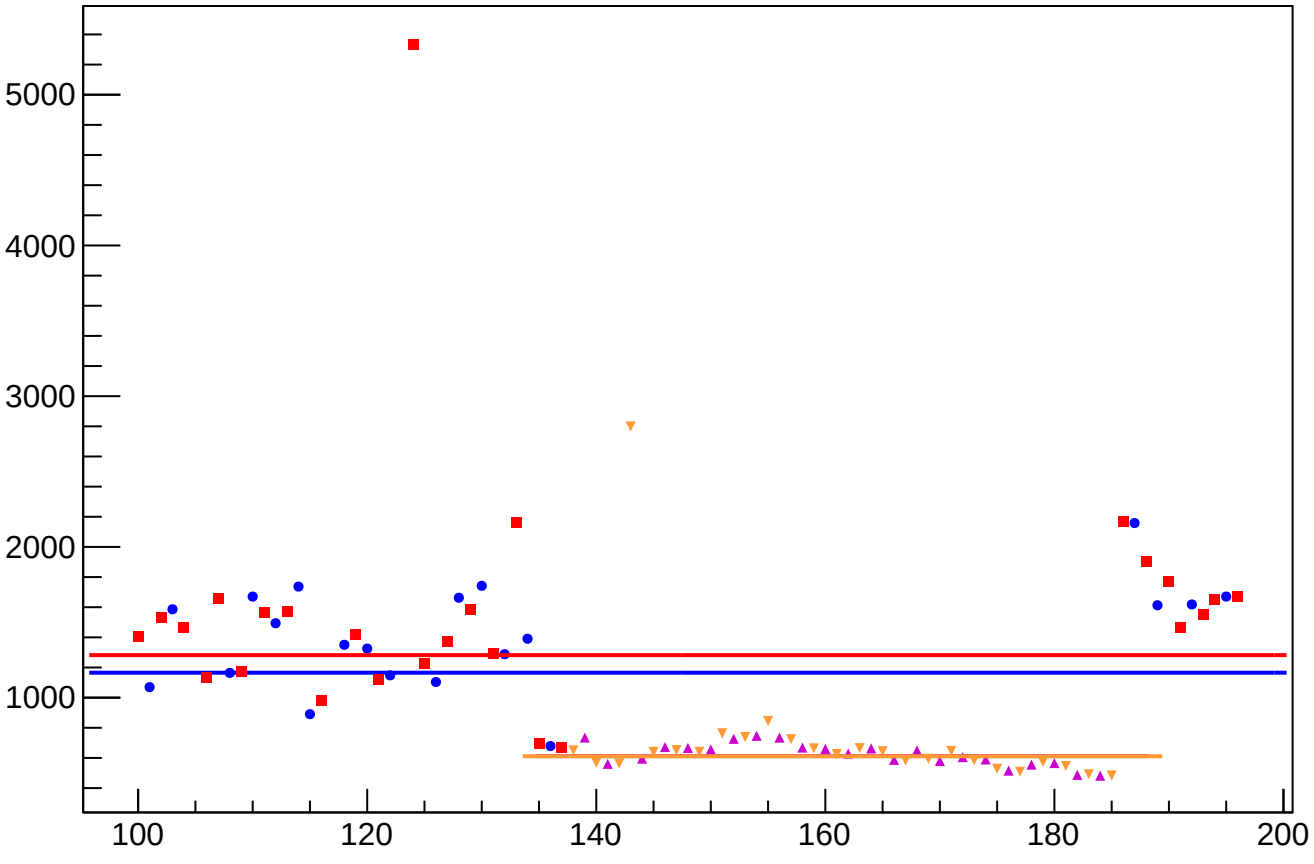
Right Out: 695.390+/-392.090 χ^2/NDF: 22.5/25

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 627.250+/-133.684 χ^2/NDF: 78.8/44

All: 406.414+/-95.117 χ^2/NDF: 134.4/93

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

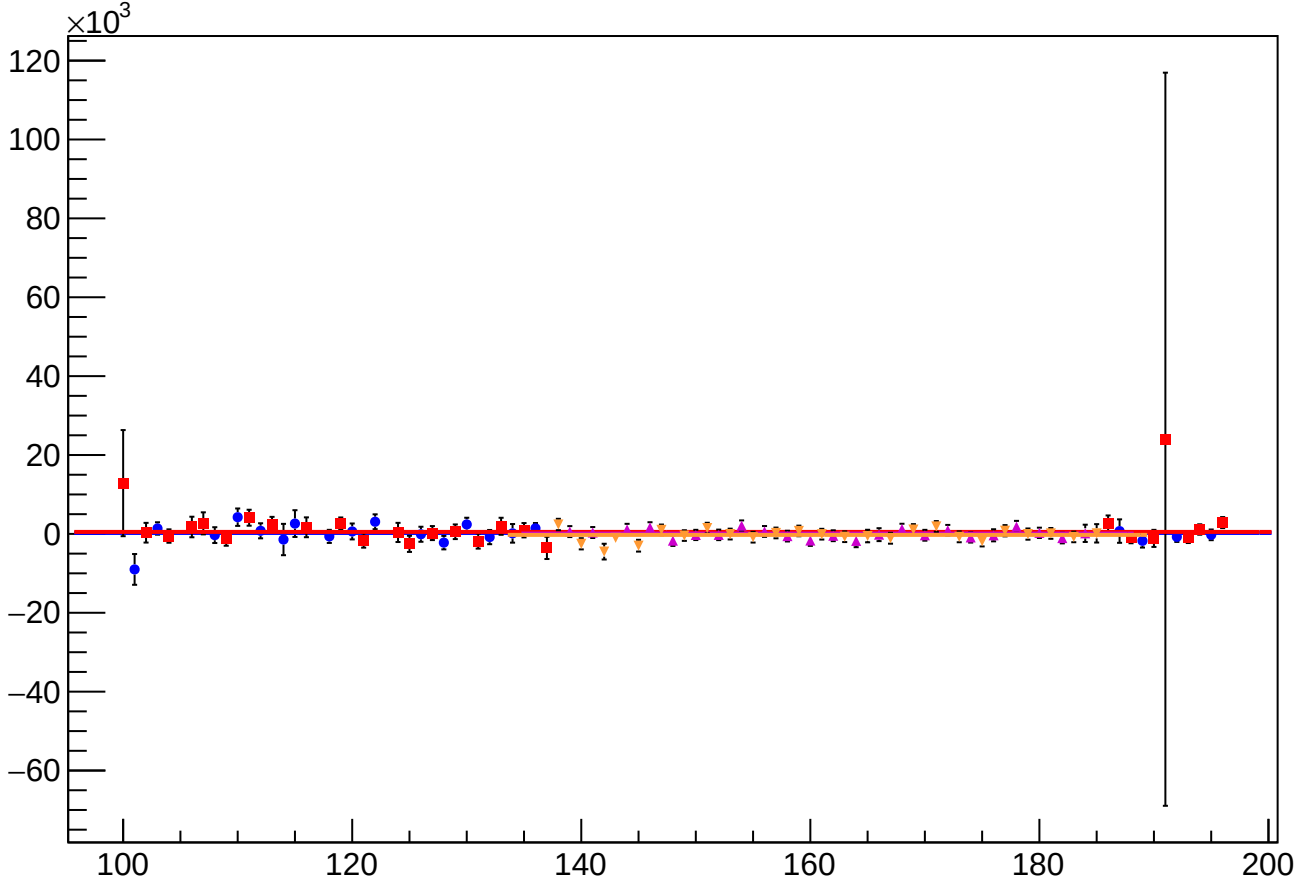
Right Out: 1282.071+/-0.277 χ^2/NDF: 2271097.3/25

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034613.9/44

All: 683.513+/-0.067 χ^2/NDF: 14969487.9/93

- sign 692.217+/-0.096 χ^2/NDF: 7918542.5/48



Right In: 239.729+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

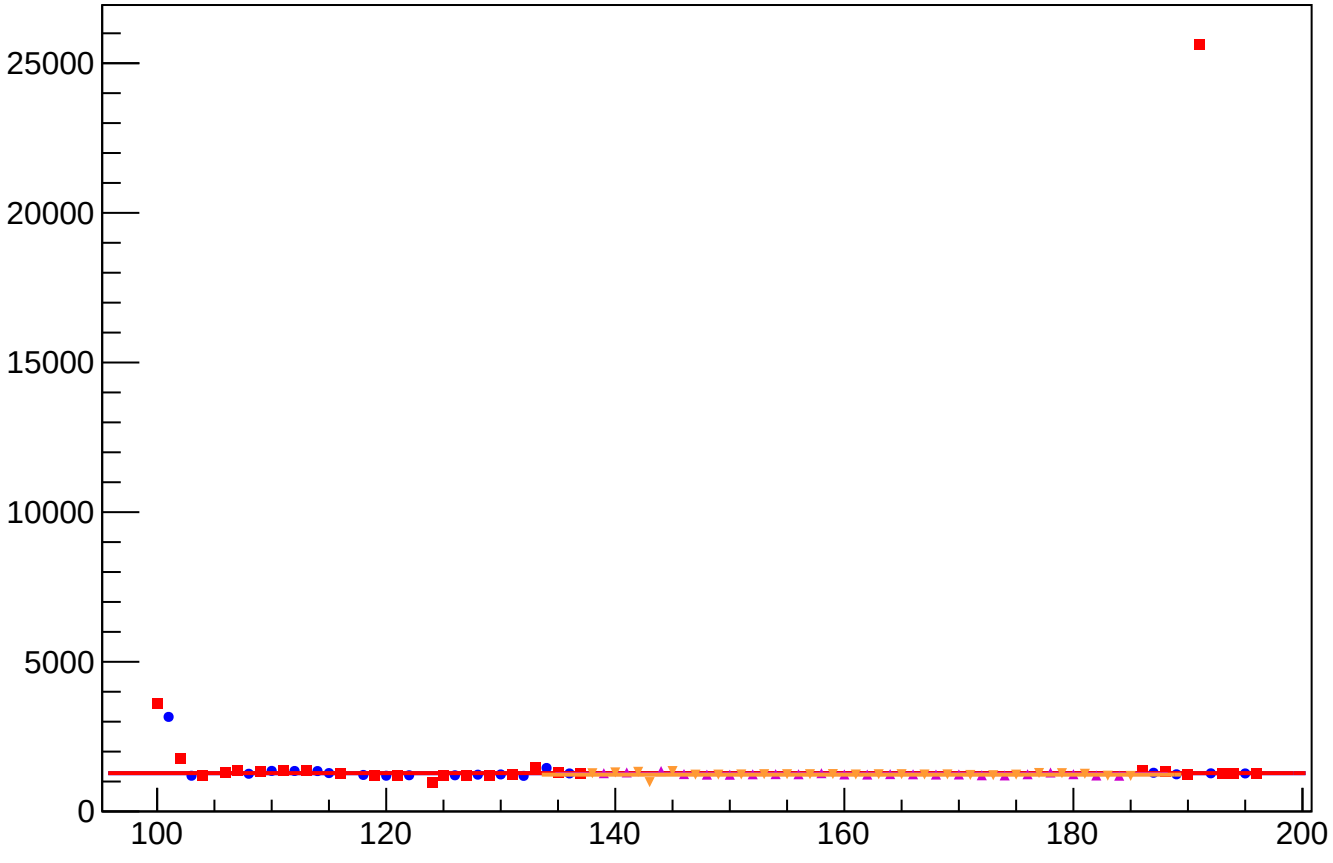
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.789+/-231.839 χ^2/NDF: 44.7/44

All: 69.095+/-163.704 χ^2/NDF: 84.1/93

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.411+/-0.293 χ^2/NDF: 508239.3/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

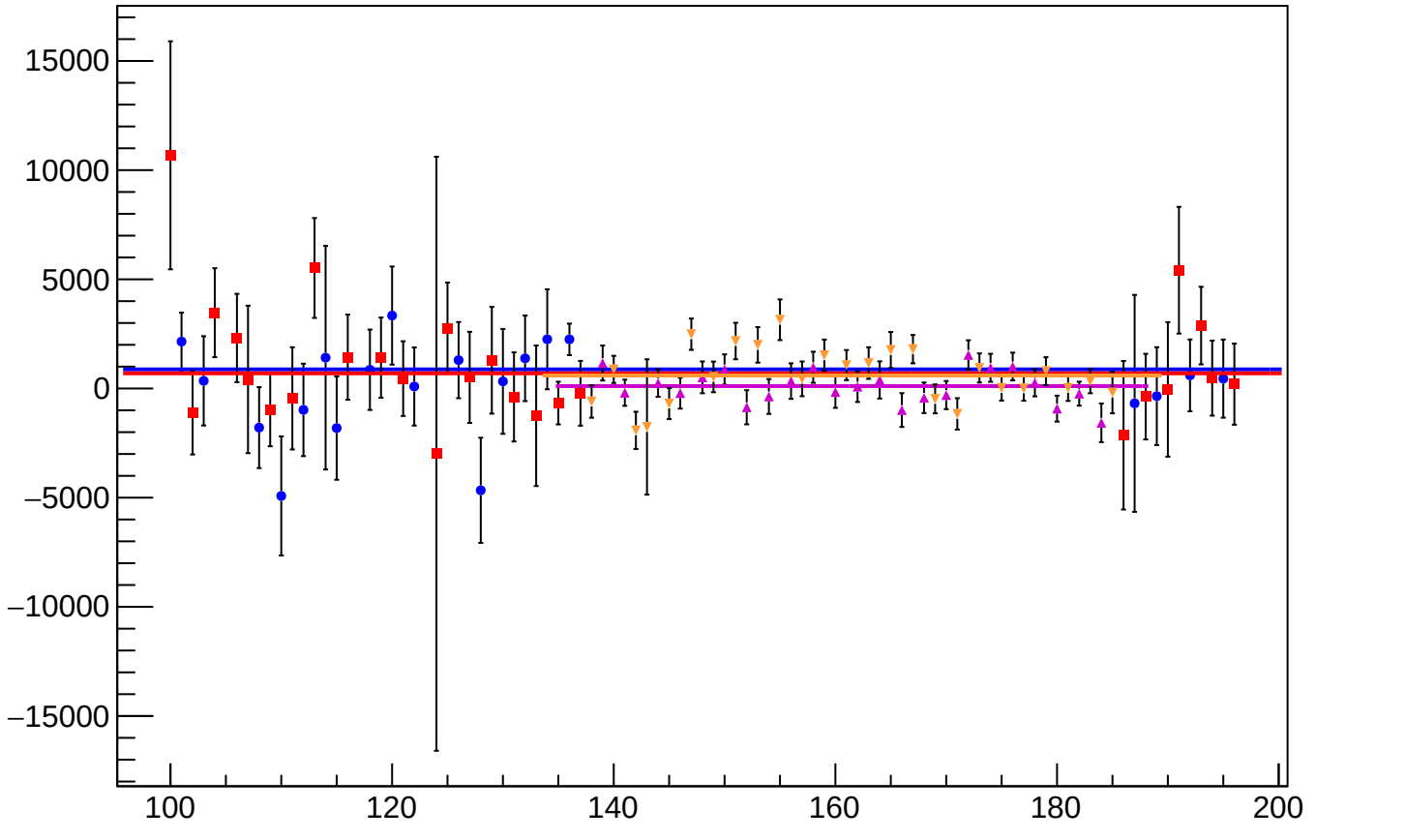
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.2/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667874.5/44

All: 1252.530+/-0.116 χ^2/NDF: 1077865.9/93

- sign 1260.138+/-0.163 χ^2/NDF: 405647.6/48



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

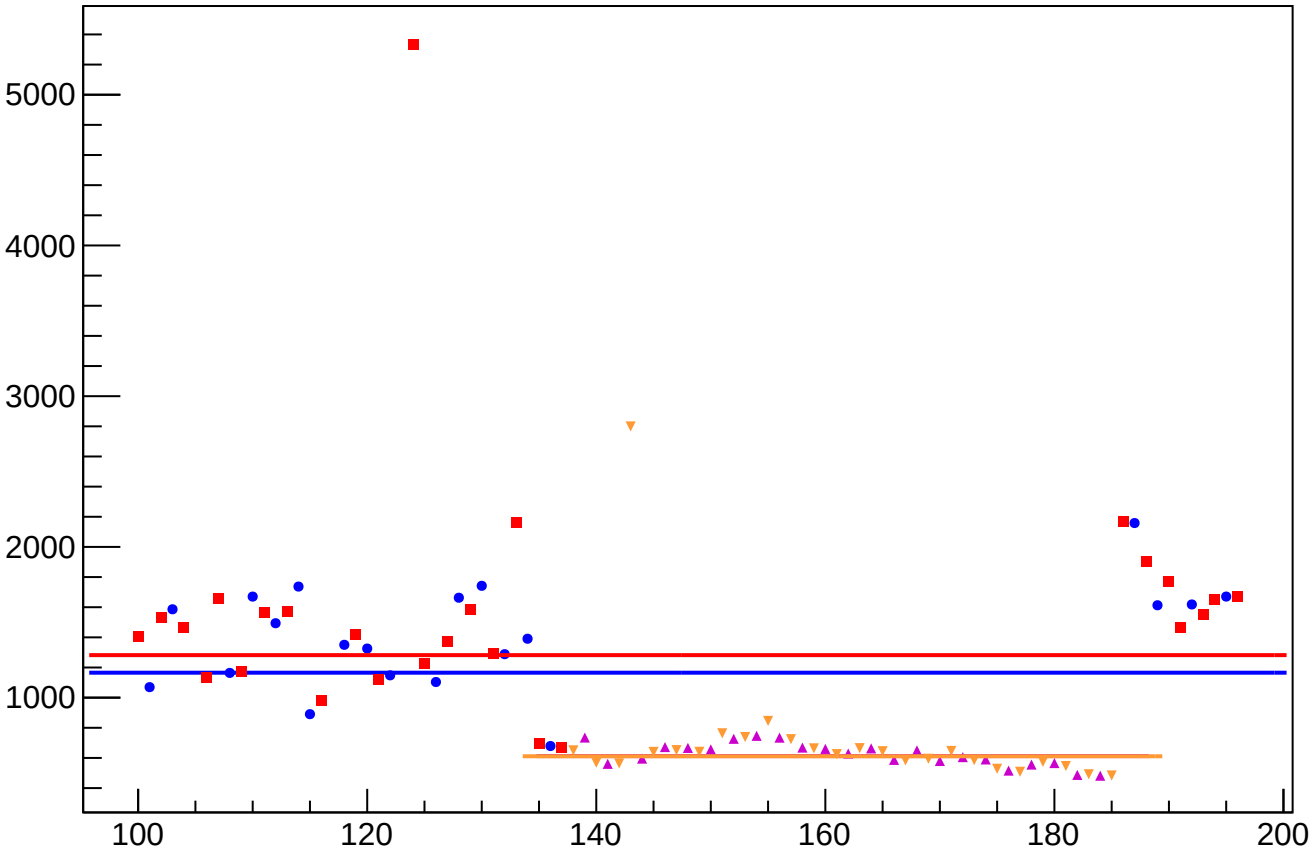
Right Out: 695.400+/-392.091 χ^2/NDF: 22.5/25

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 627.249+/-133.684 χ^2/NDF: 78.8/44

All: 406.414+/-95.117 χ^2/NDF: 134.4/93

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1165.539+/-0.278 χ^2/NDF: 1905480.8/19

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1282.077+/-0.277 χ^2/NDF: 2271024.5/25

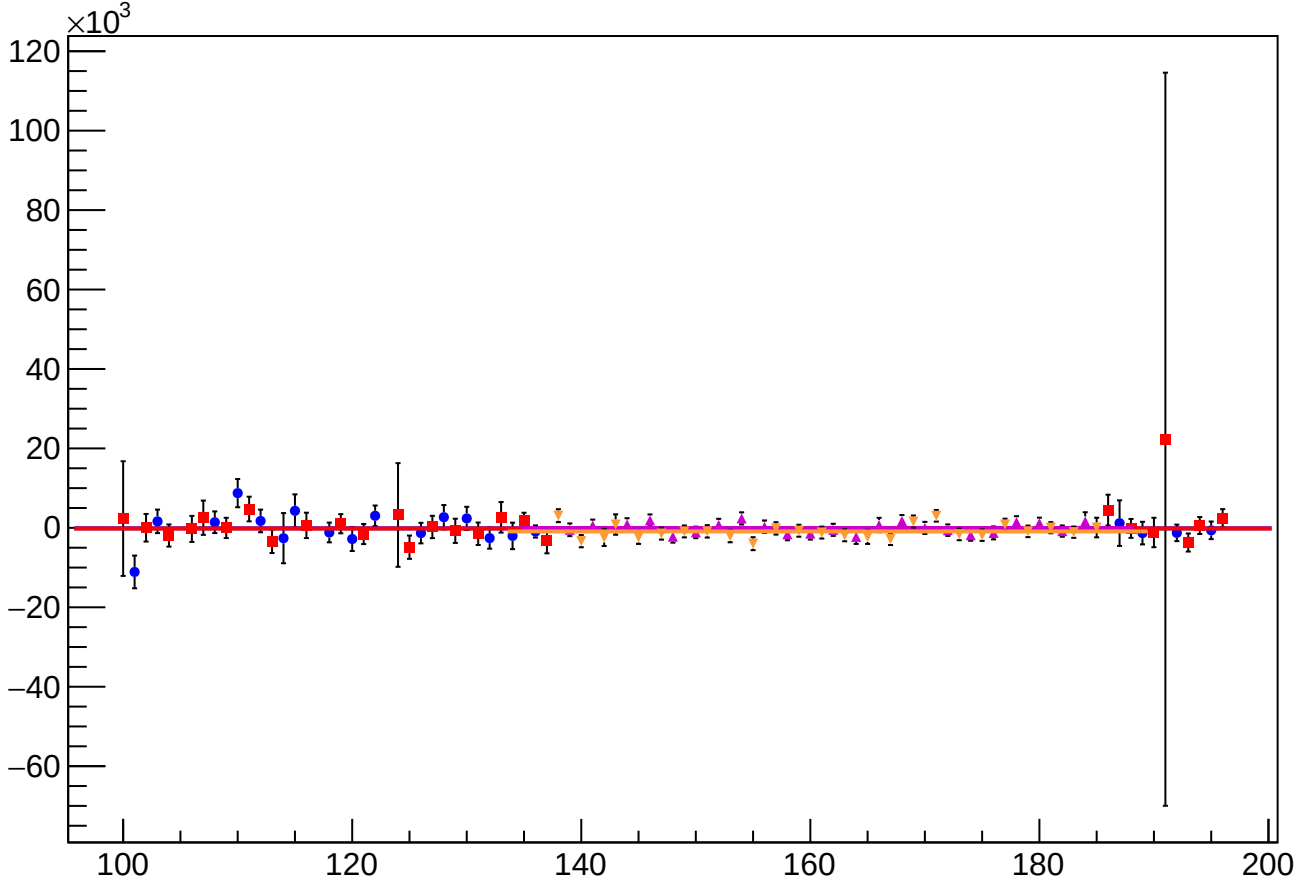
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034598.8/44

All: 683.513+/-0.067 χ^2/NDF: 14969479.6/93

- sign 692.216+/-0.096 χ^2/NDF: 7918550.4/48

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -128.519+/-616.093 χ^2/NDF: 22.0/19

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -157.636+/-581.141 χ^2/NDF: 15.7/25

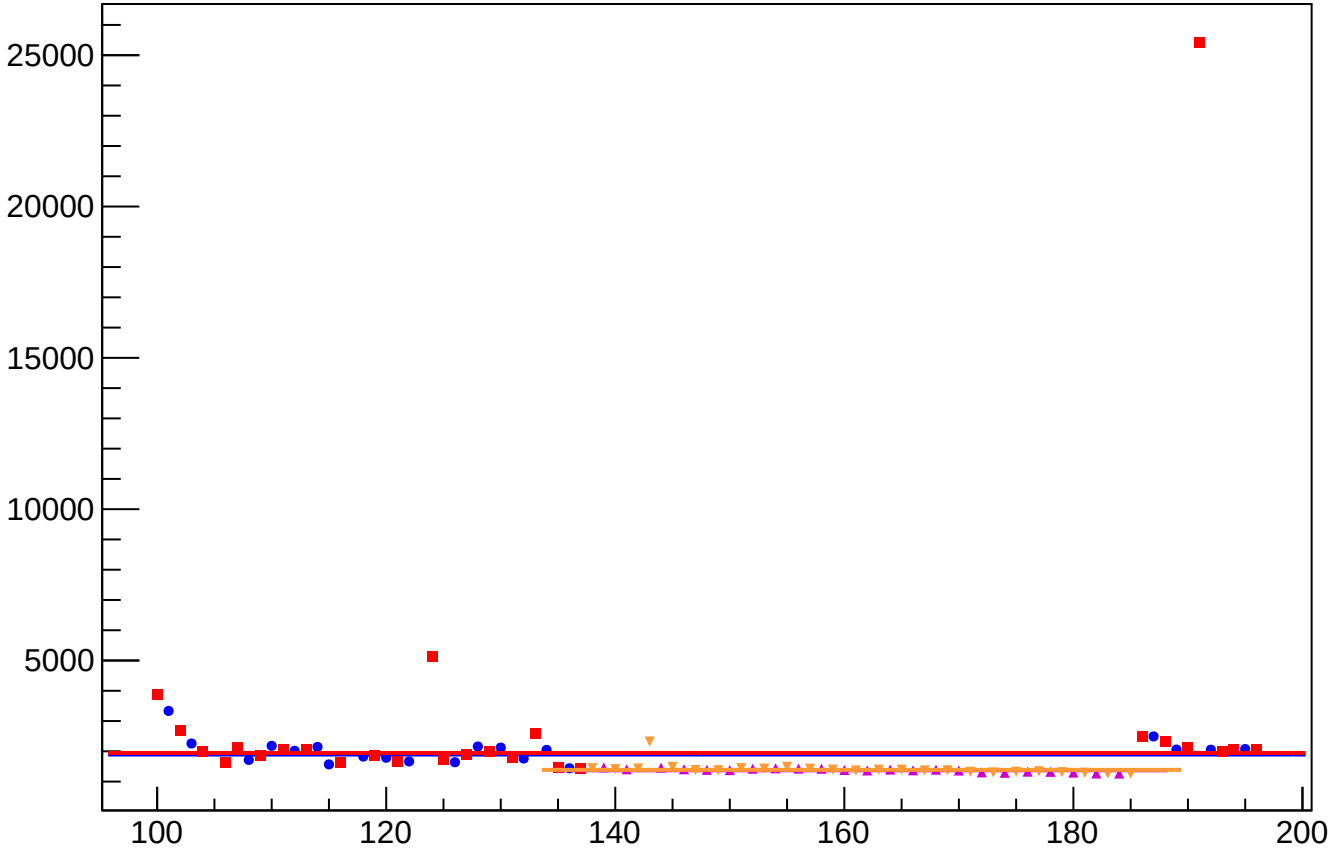
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -738.869+/-281.488 χ^2/NDF: 53.0/44

All: -405.662+/-198.847 χ^2/NDF: 89.5/93

- sign -73.758+/-280.937 χ^2/NDF: 33.6/48

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.774+/-0.436 χ^2/NDF: 622346.5/19

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

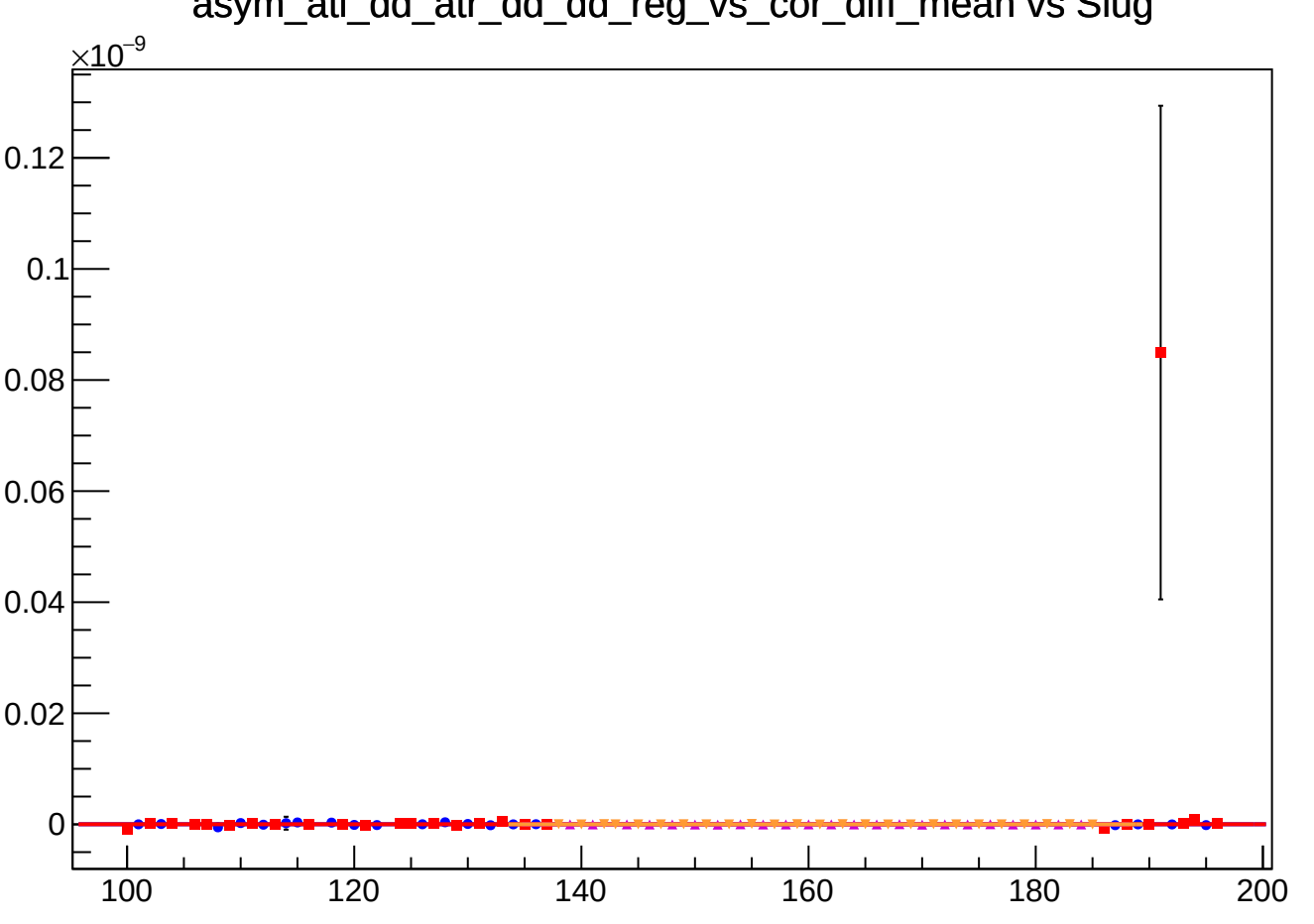
Right Out: 1945.800+/-0.411 χ^2/NDF: 788750.2/25

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1492.667+/-0.199 χ^2/NDF: 2033528.1/44

All: 1499.862+/-0.141 χ^2/NDF: 4377171.5/93

- sign 1507.030+/-0.199 χ^2/NDF: 2341034.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

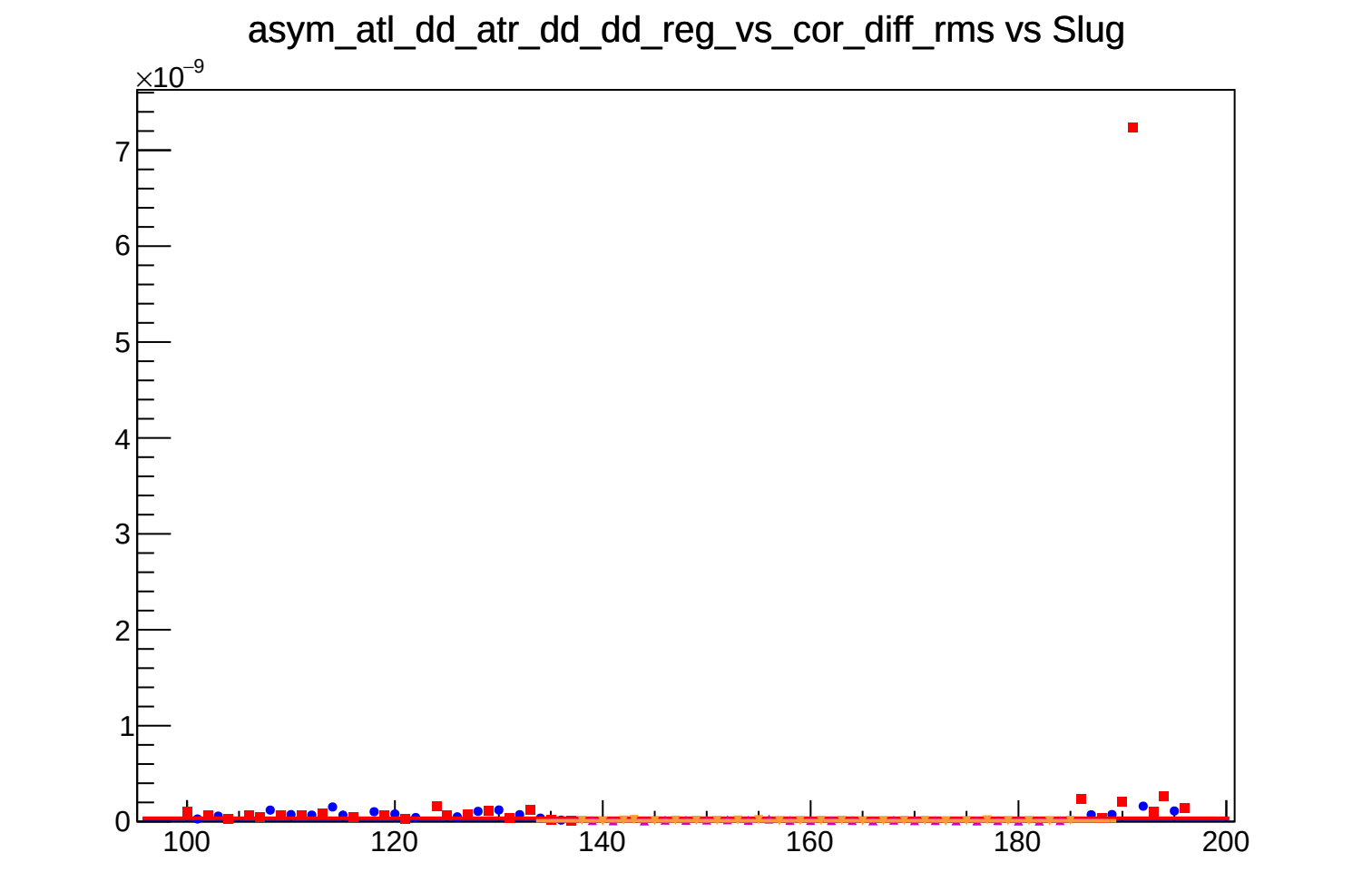
Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/25

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/44

All: 0.000+/-0.000 χ^2/NDF: 98.0/93

- sign -0.000+/-0.000 χ^2/NDF: 54.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3648903.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

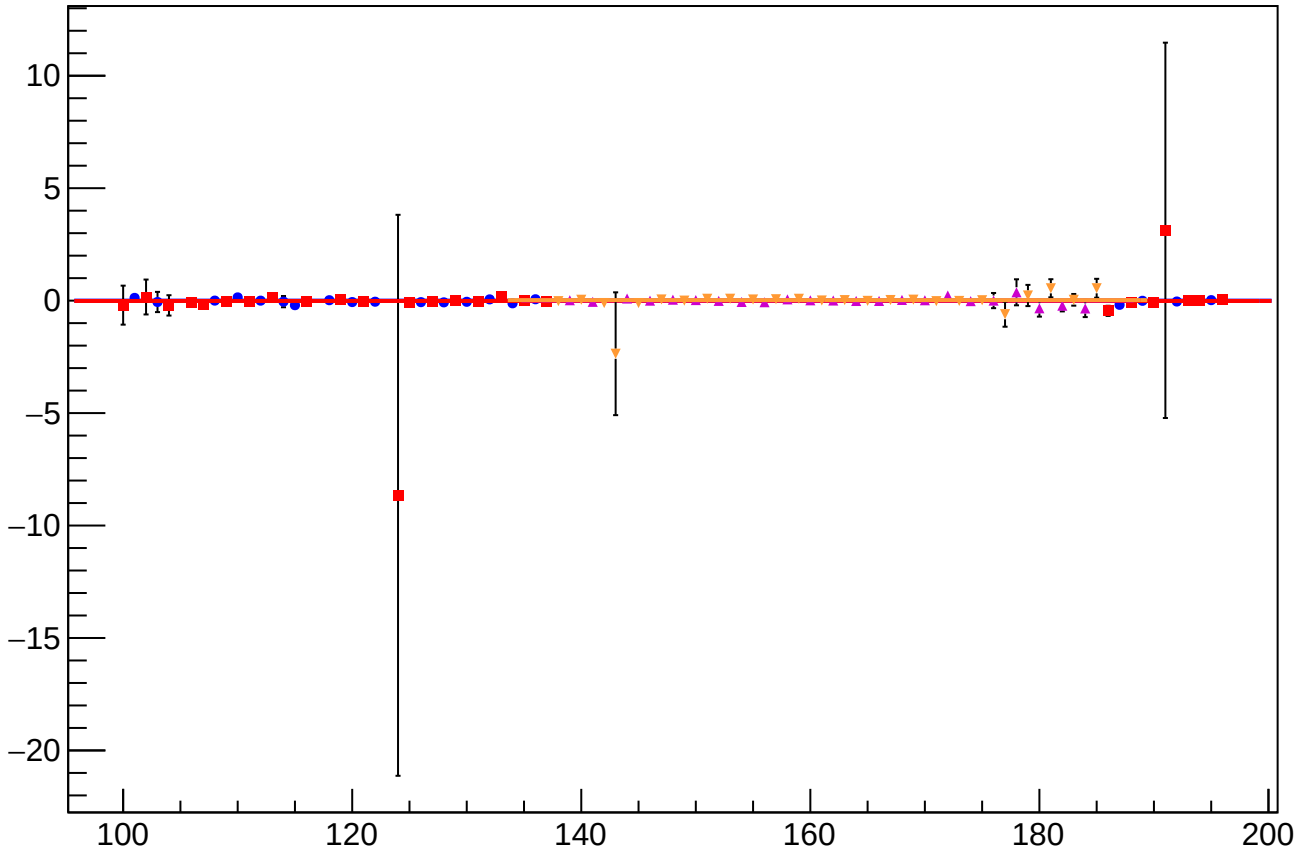
Right Out: 0.000+/-0.000 χ^2/NDF: 4304094.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8109031.9/44

All: 0.000+/-0.000 χ^2/NDF: 16502469.2/93

- sign 0.000+/-0.000 χ^2/NDF: 8118693.4/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

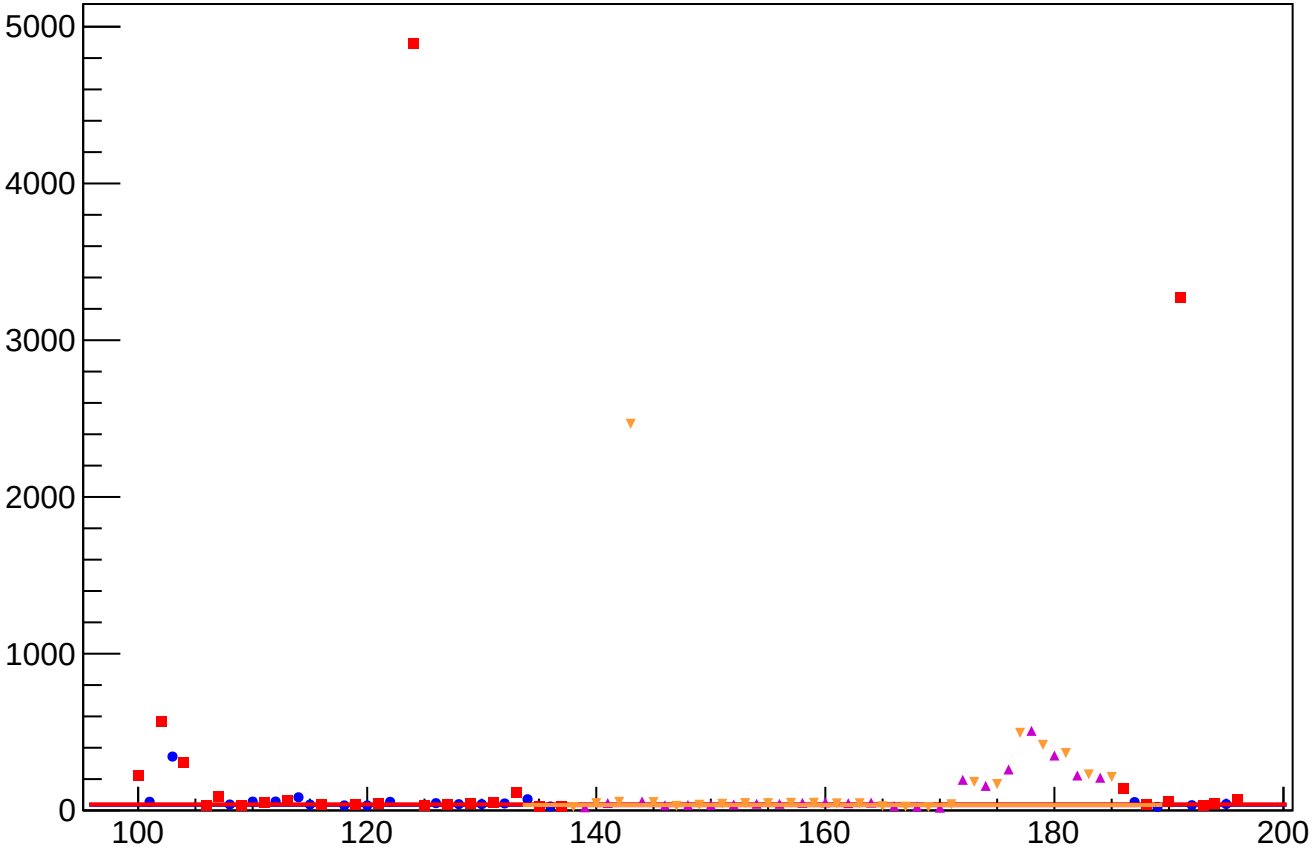
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- 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: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

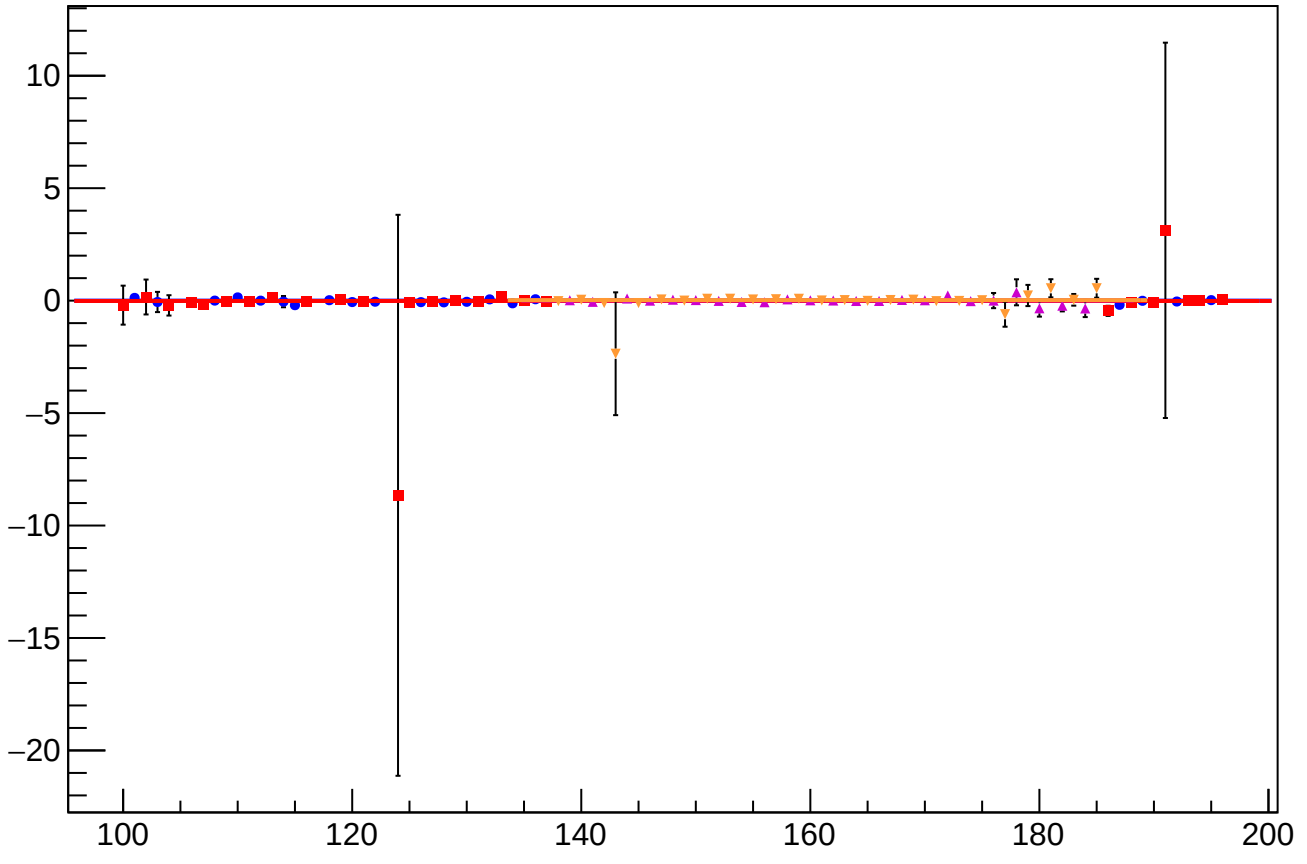
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.244+/-0.004 χ^2/NDF: 28346795.6/93

- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

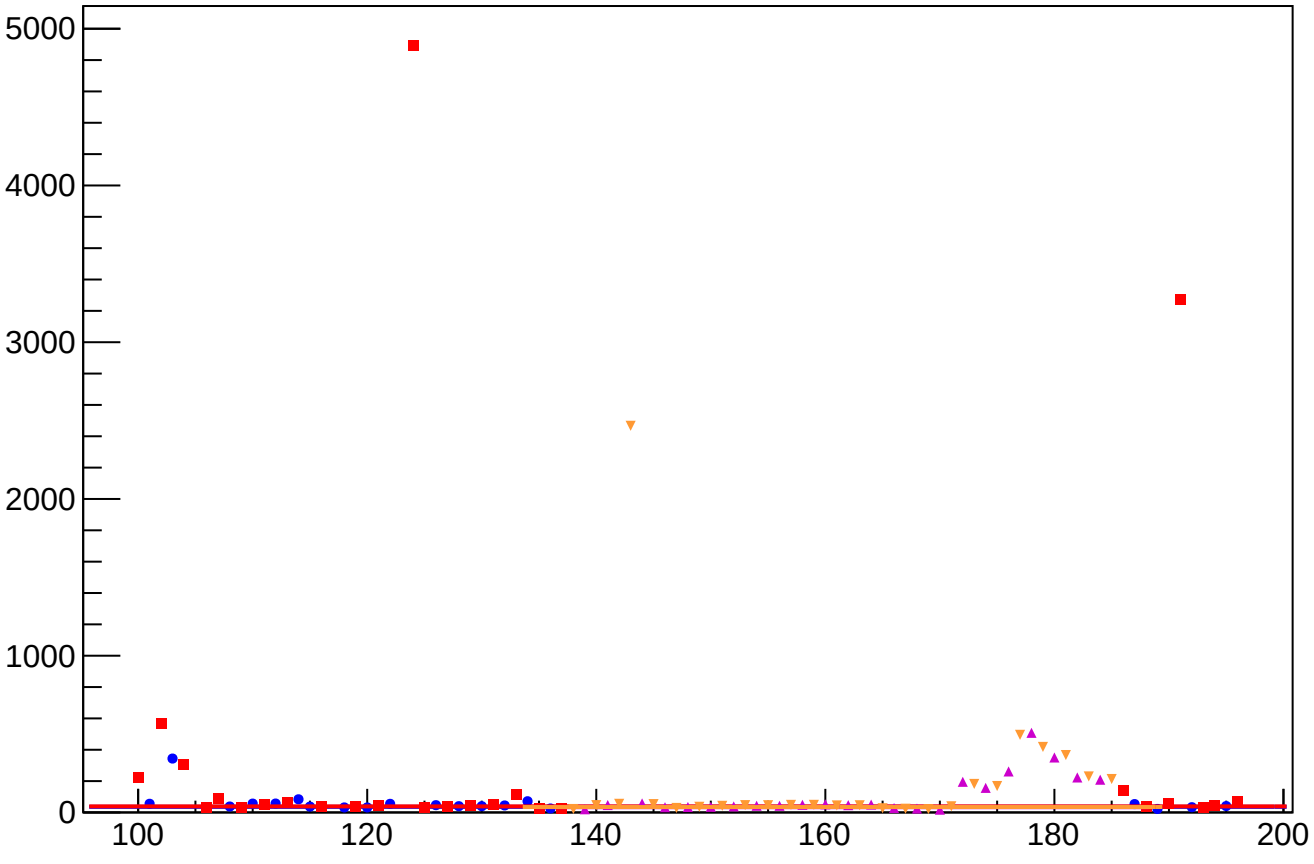
Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

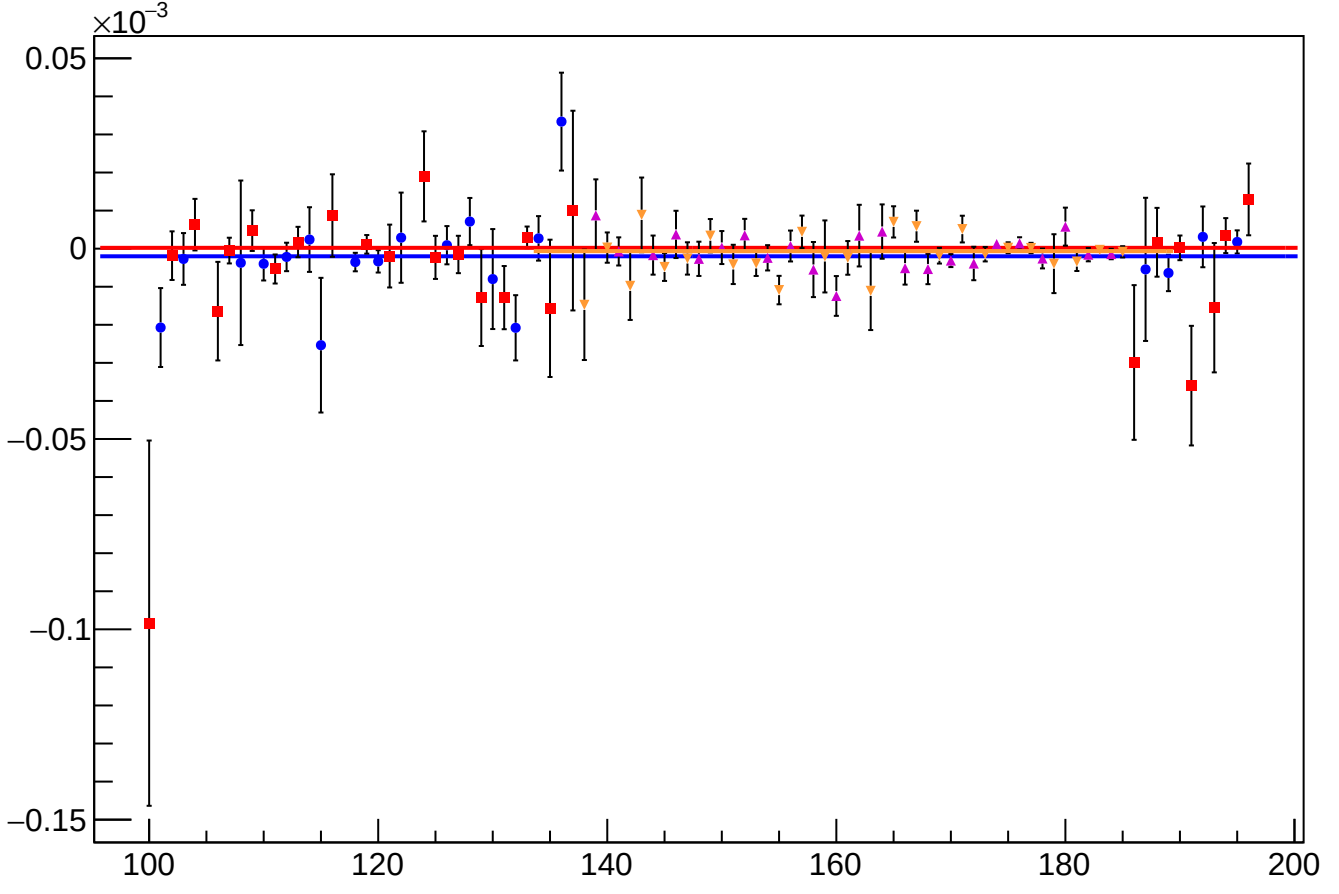
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.244+/-0.004 χ^2/NDF: 28346795.6/93

- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

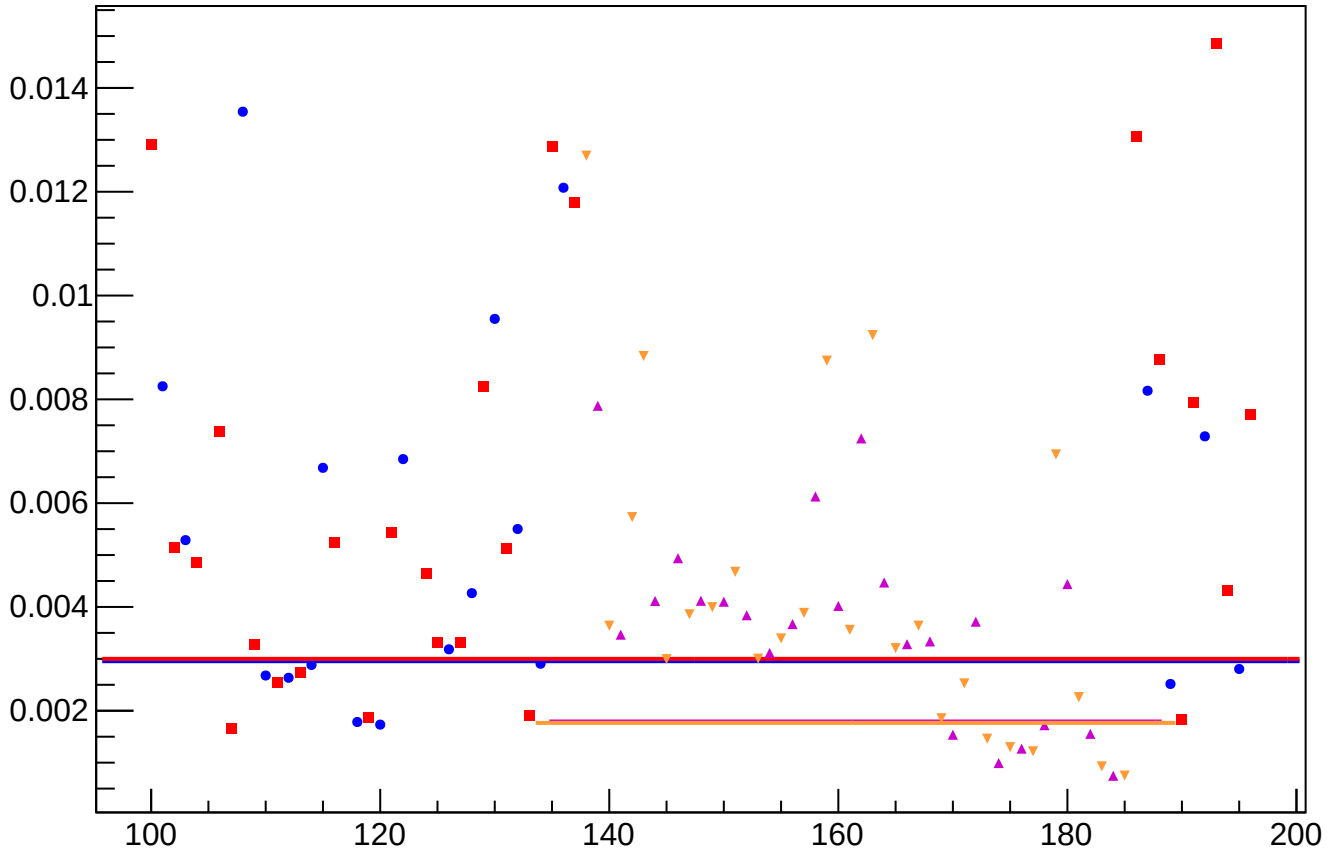
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/44

All: -0.000+/-0.000 χ^2/NDF: 106.8/93

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

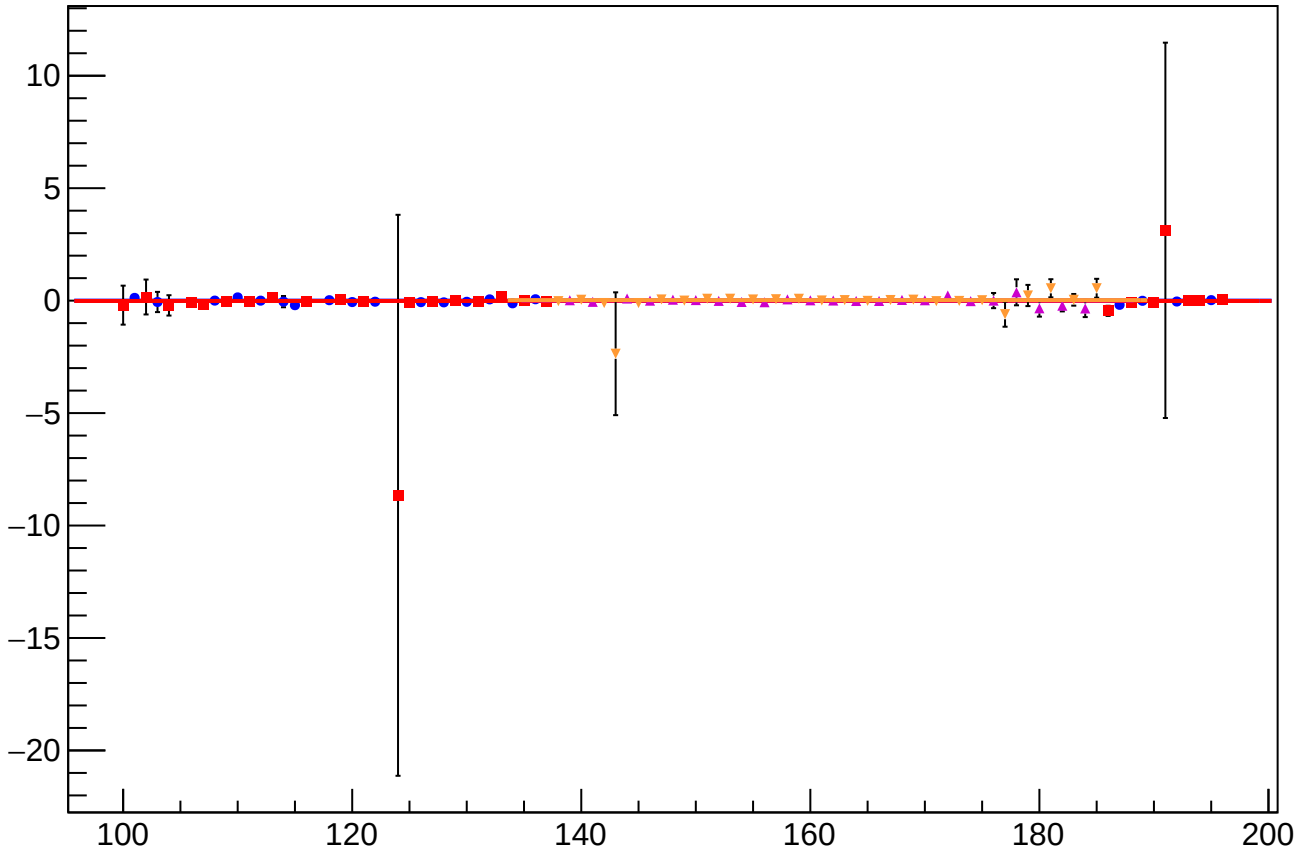
Right Out: 0.003+/-0.000 χ^2/NDF: 6784923.1/25

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19636243.5/44

All: 0.002+/-0.000 χ^2/NDF: 39291637.8/93

- sign 0.002+/-0.000 χ^2/NDF: 19623746.9/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

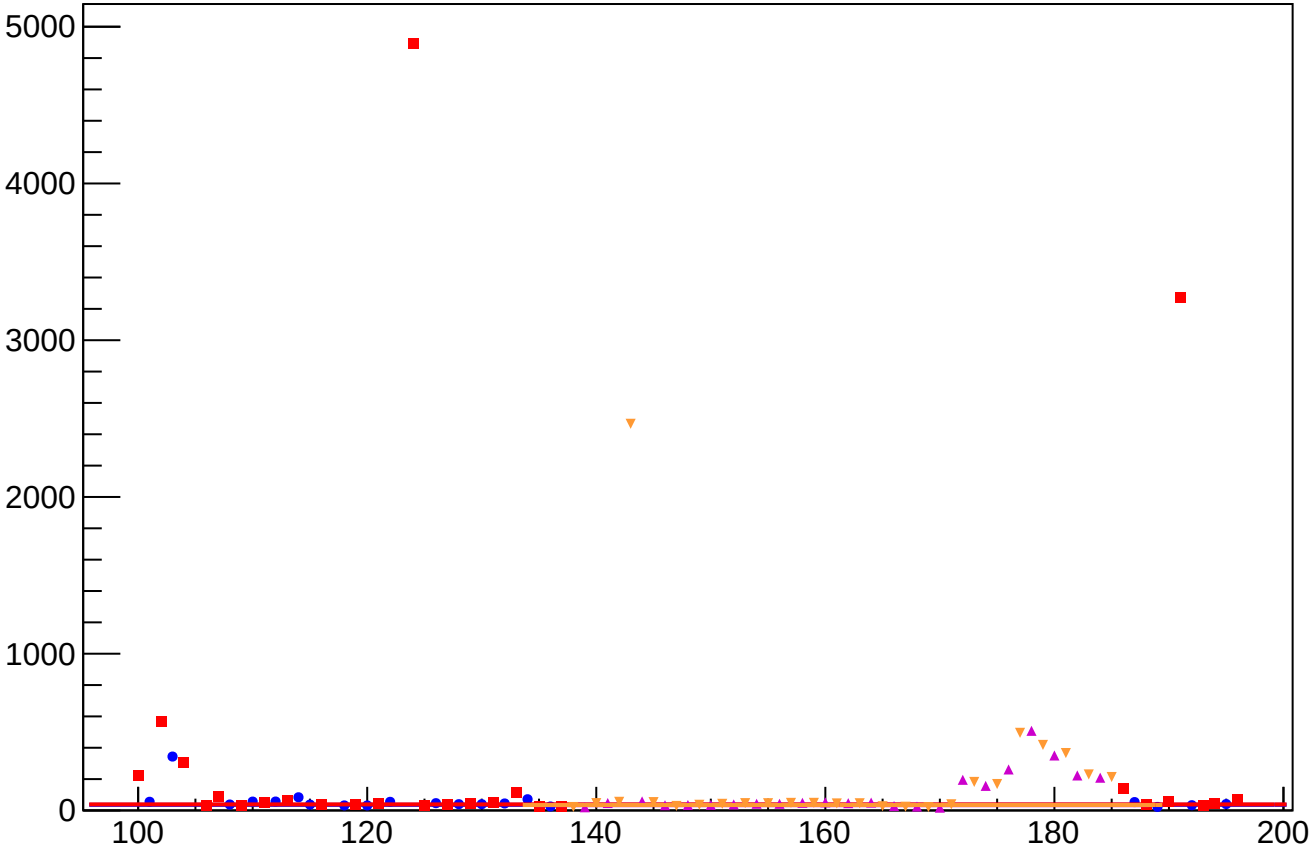
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- 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: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

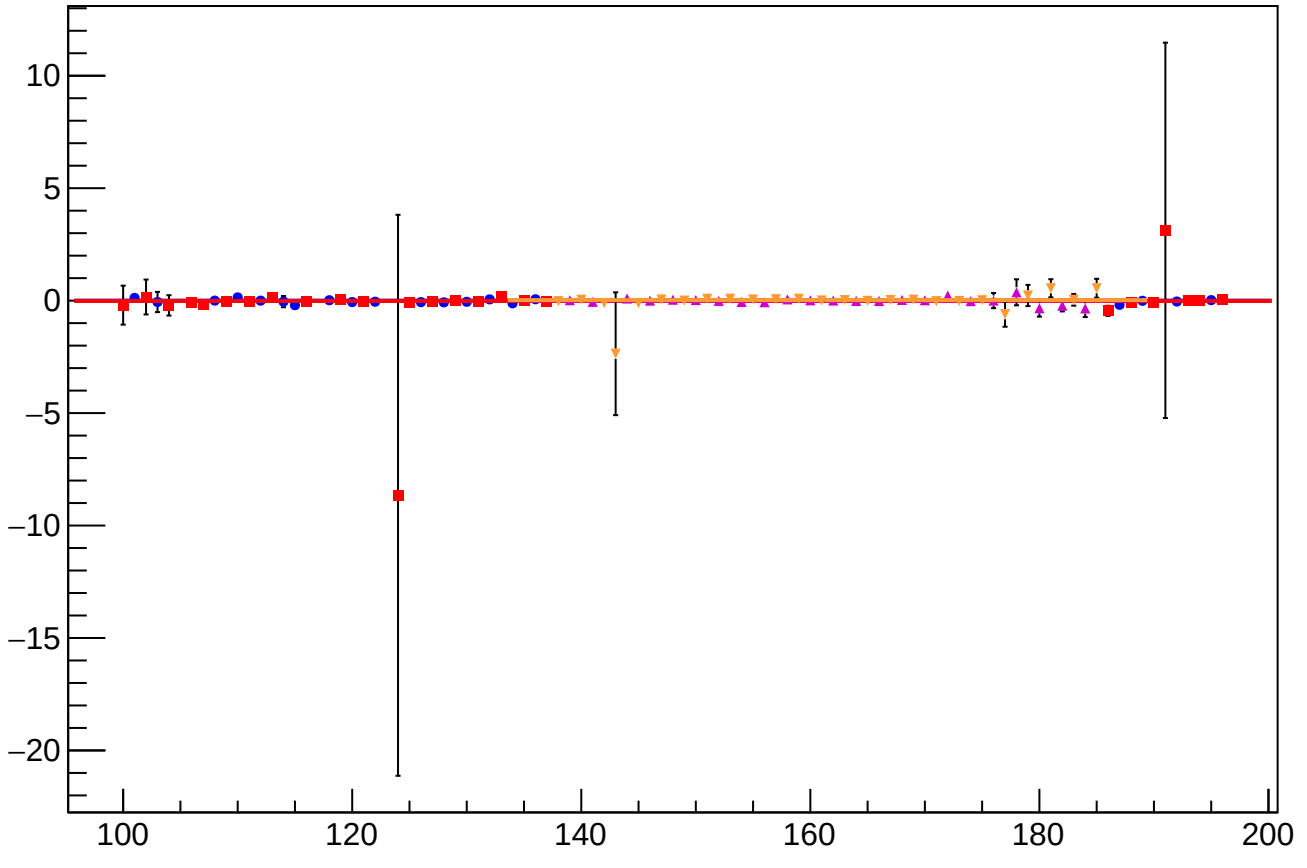
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.245+/-0.004 χ^2/NDF: 28344623.5/93

\- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

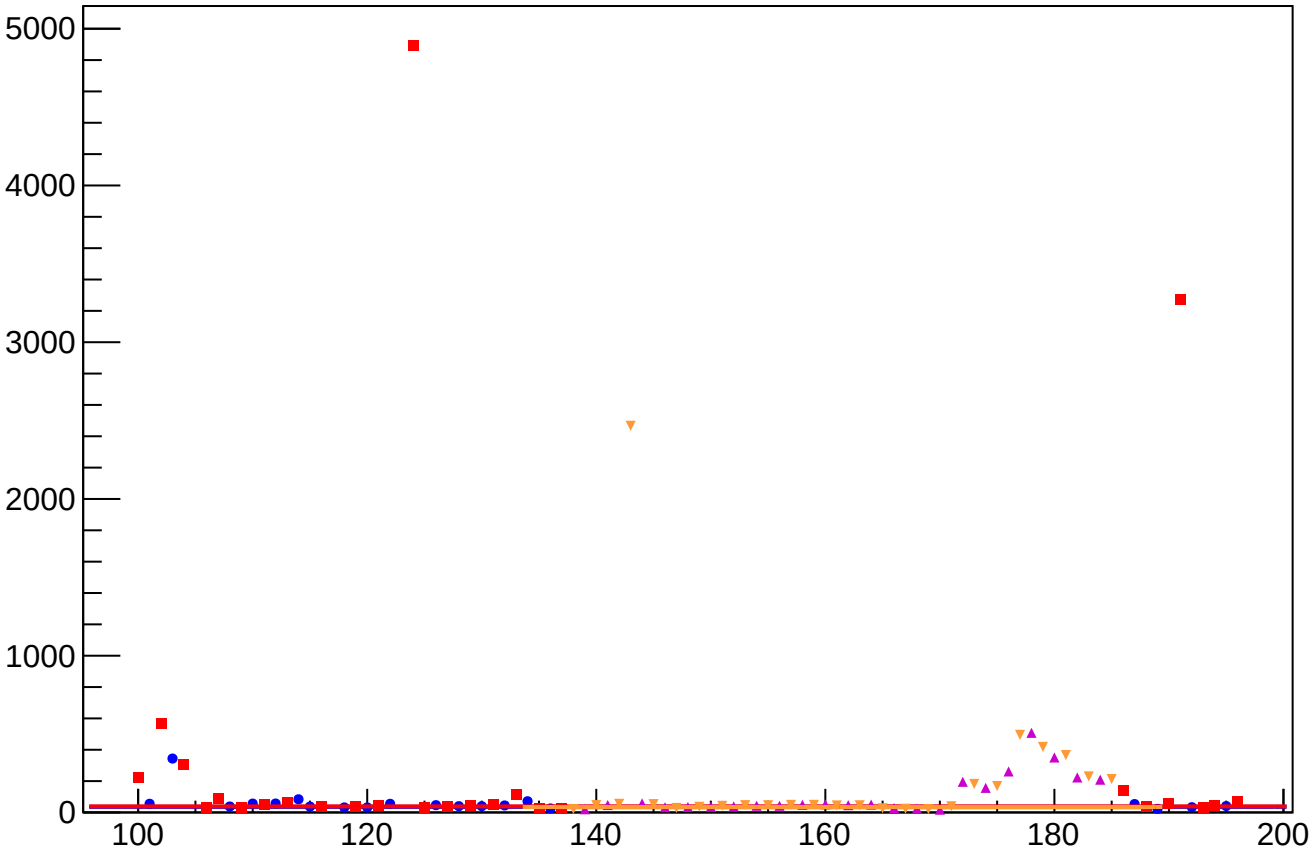
Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

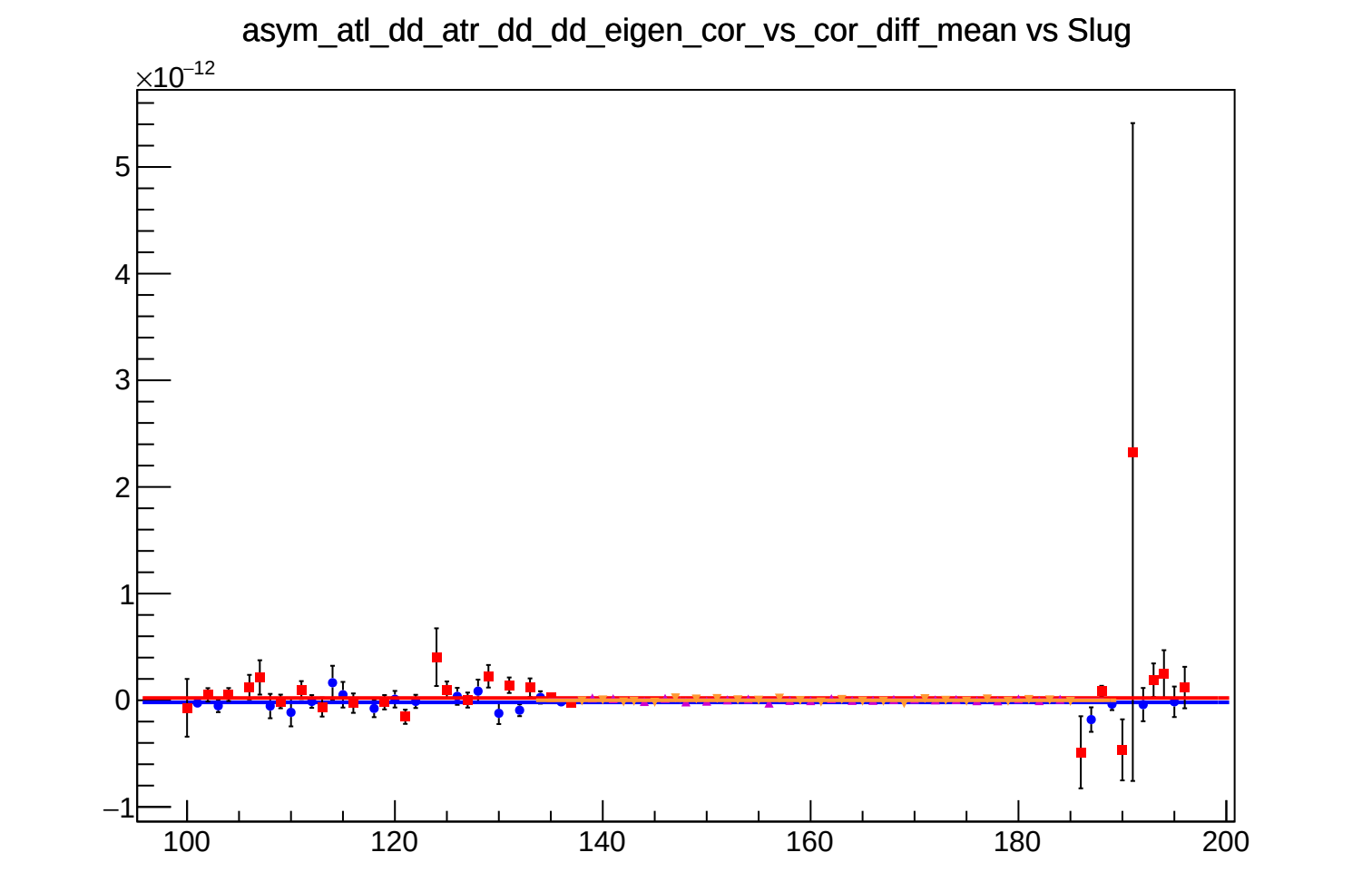
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.245+/-0.004 χ^2/NDF: 28344623.5/93

\- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

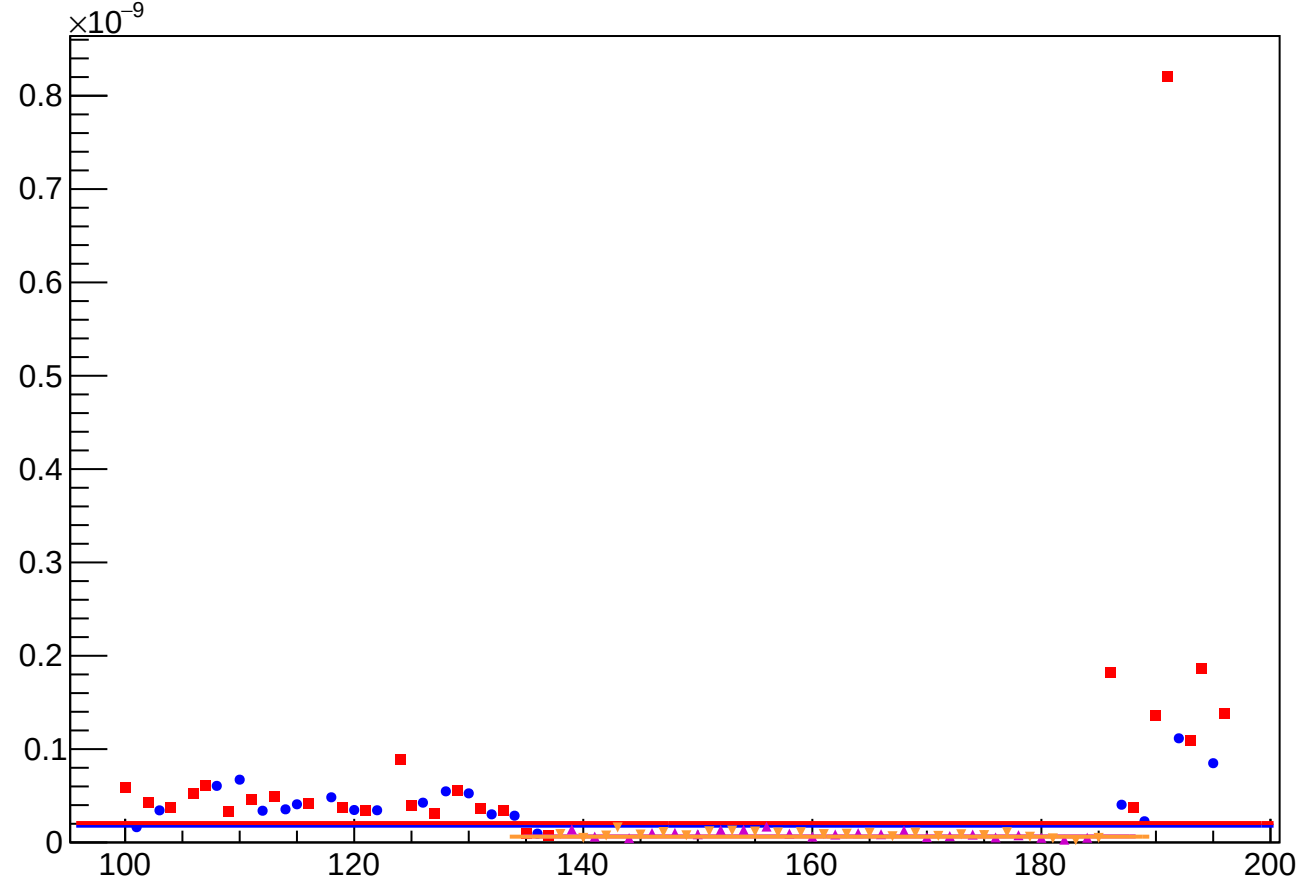
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/44

All: 0.000+/-0.000 χ^2/NDF: 102.5/93

- sign 0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4478406.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7372224.8/25

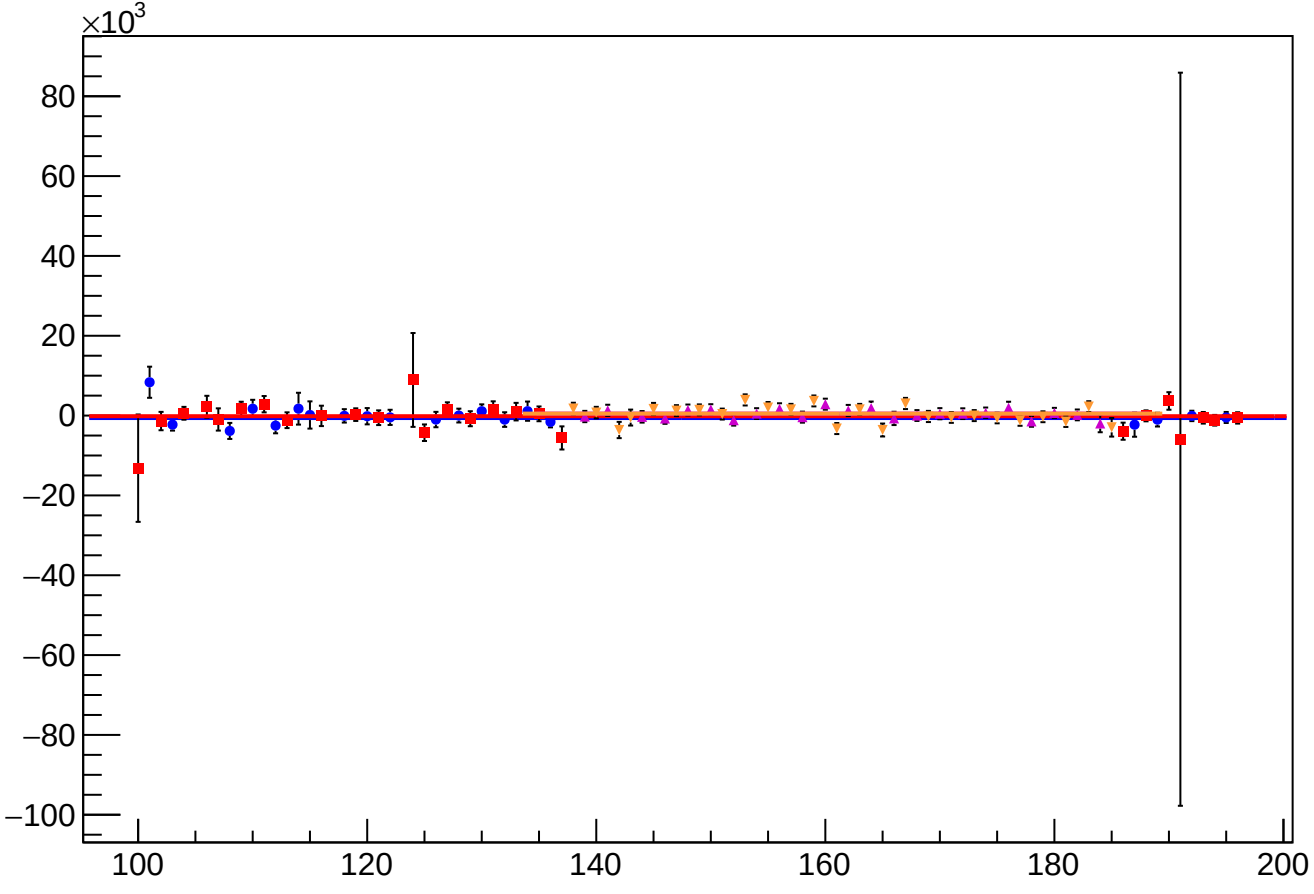
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12381452.9/44

All: 0.000+/-0.000 χ^2/NDF: 27208308.8/93

- sign 0.000+/-0.000 χ^2/NDF: 14799169.3/48

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

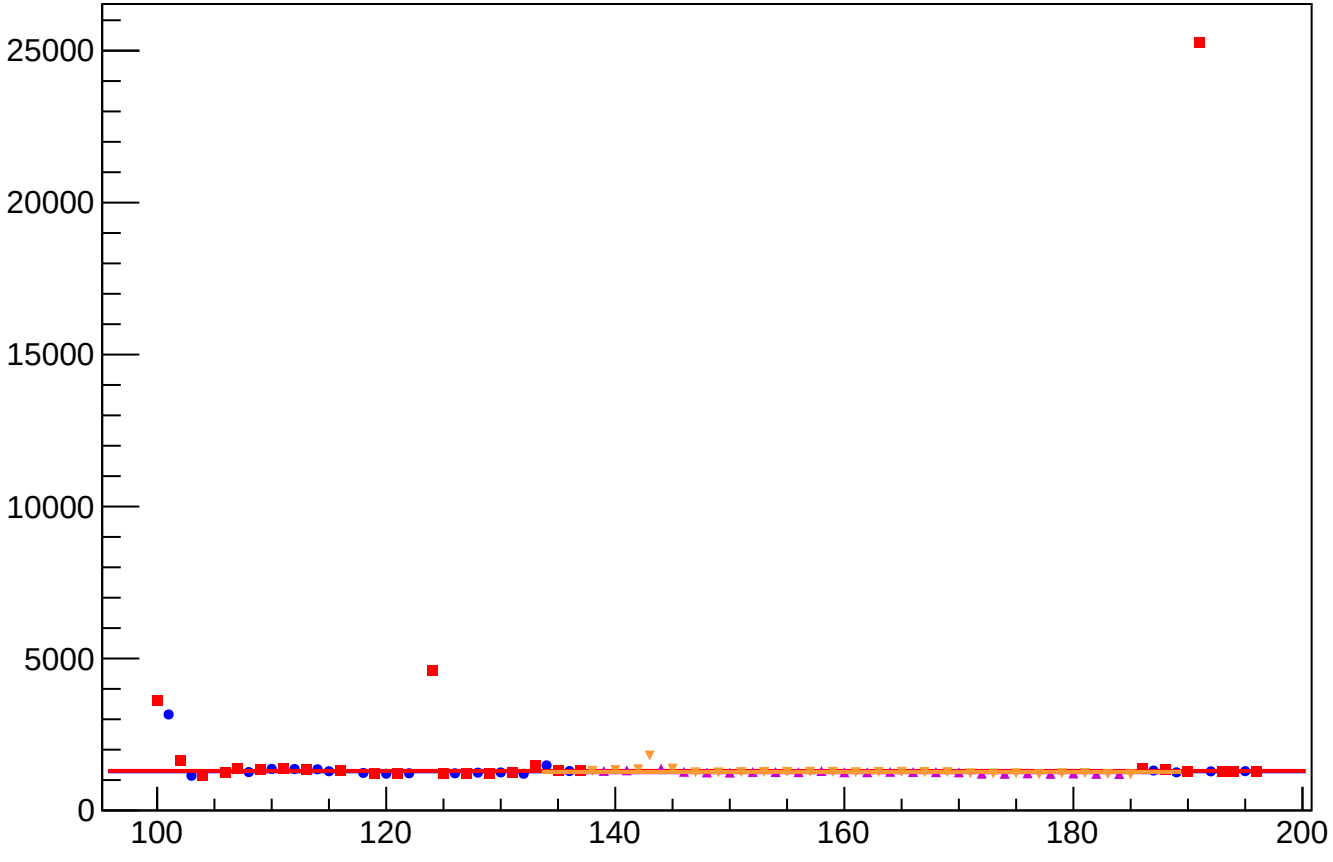
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 193.493+/-166.594 χ^2/NDF: 105.3/93

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

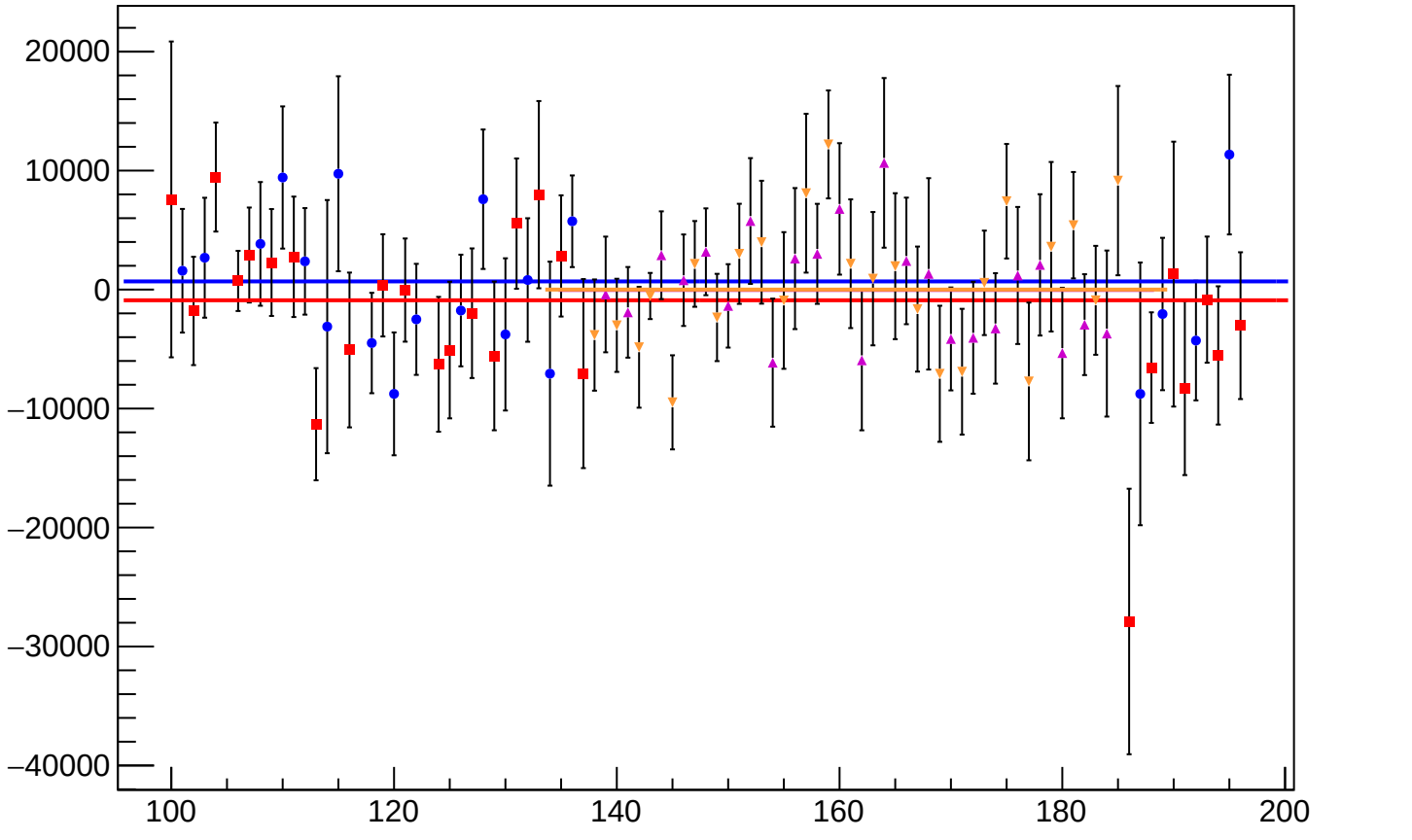
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.526+/-0.118 χ^2/NDF: 1224965.3/93

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

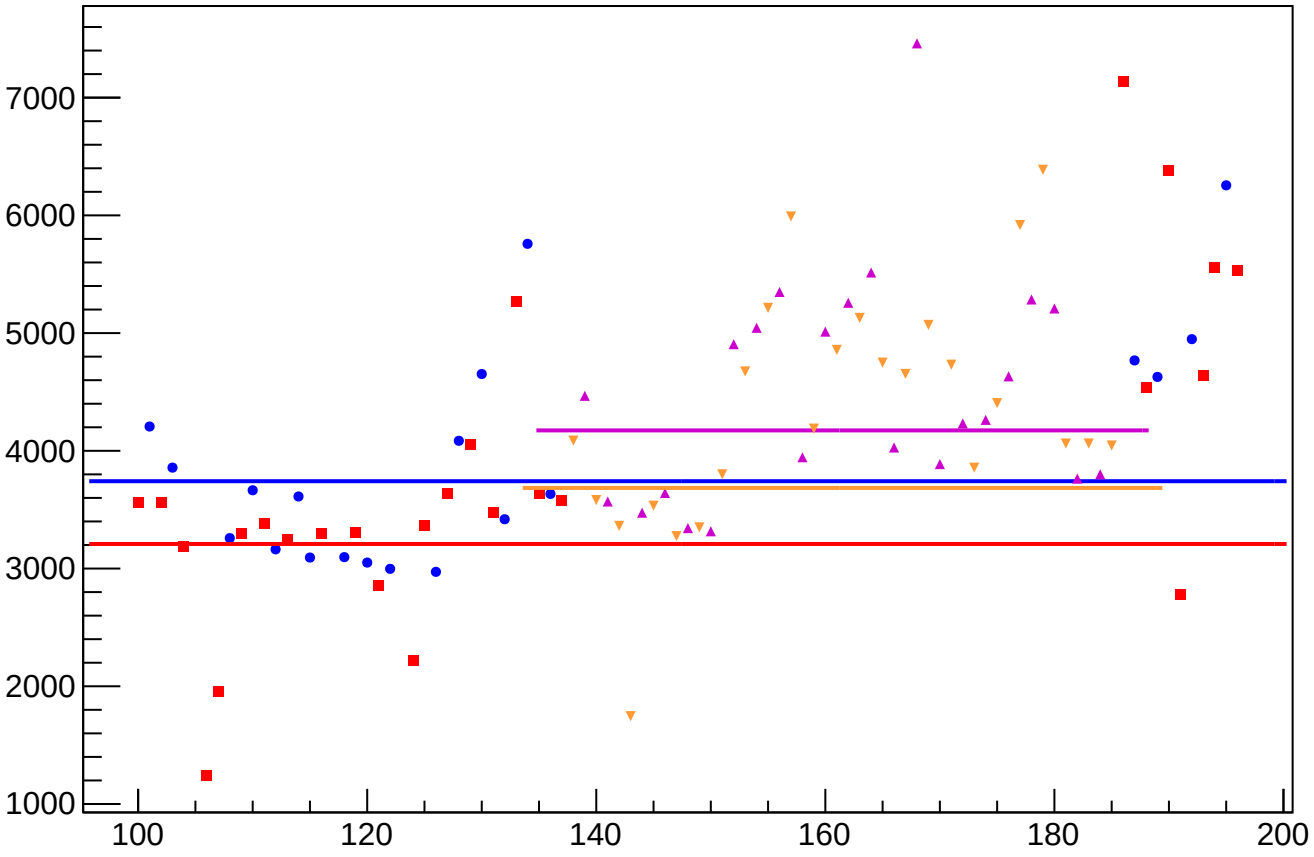
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 235.023+/-718.659 χ^2/NDF: 47.7/44

All: -117.374+/-504.540 χ^2/NDF: 90.9/93

- sign -459.882+/-708.503 χ^2/NDF: 42.7/48



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3208.734+/-0.713 χ^2/NDF: 3048047.1/25

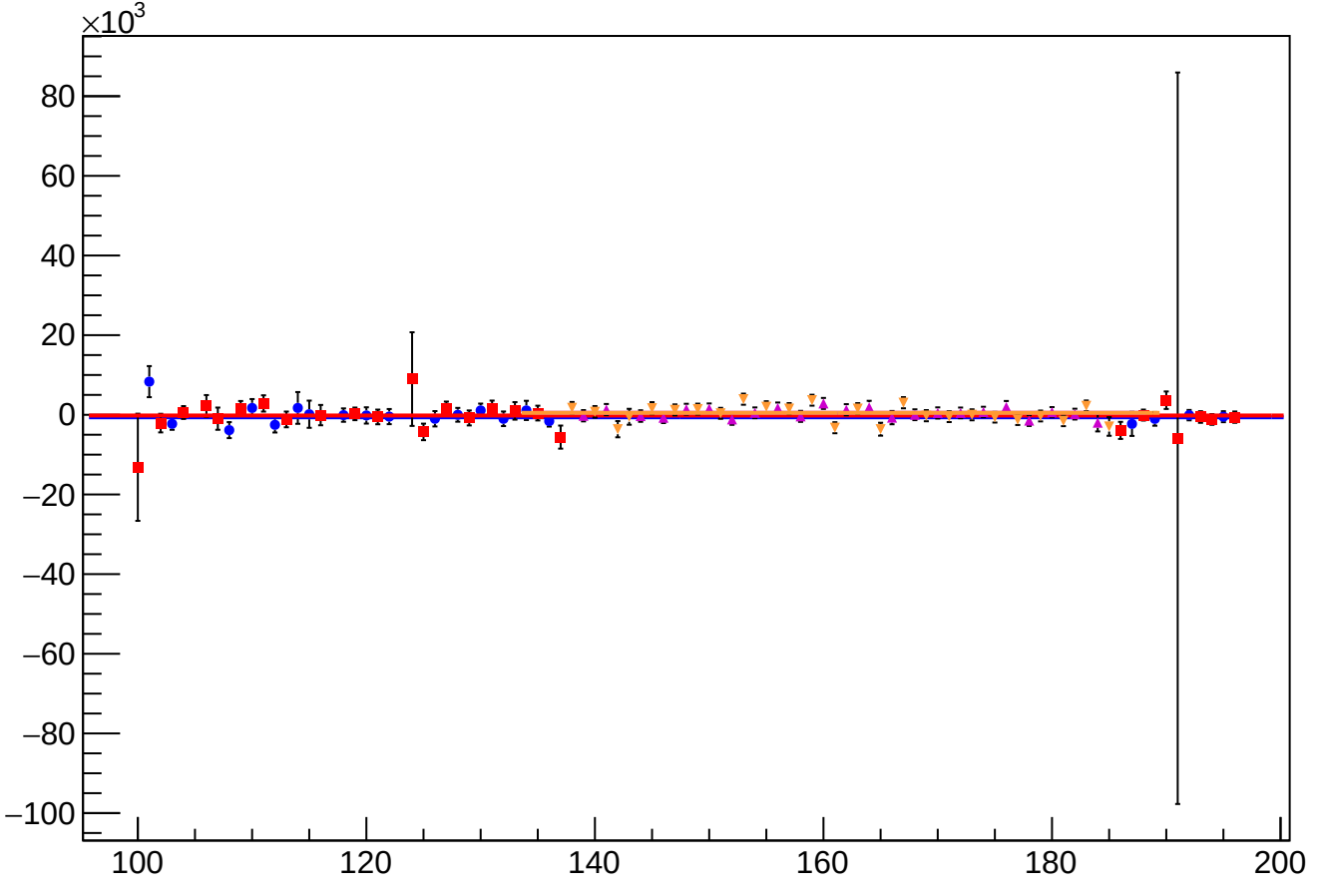
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3700.938+/-0.357 χ^2/NDF: 9814535.2/93

- sign 3697.589+/-0.501 χ^2/NDF: 5250067.8/48

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

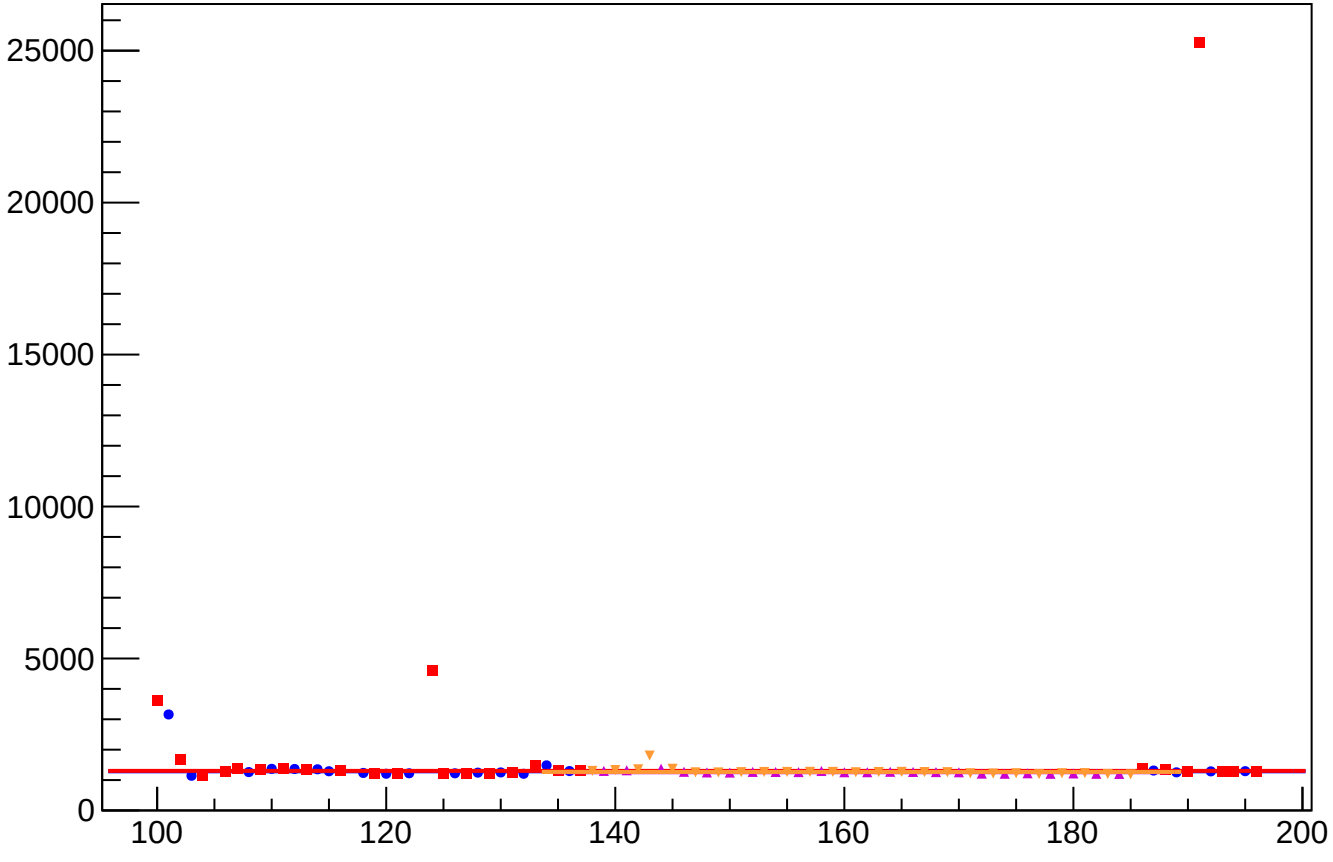
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

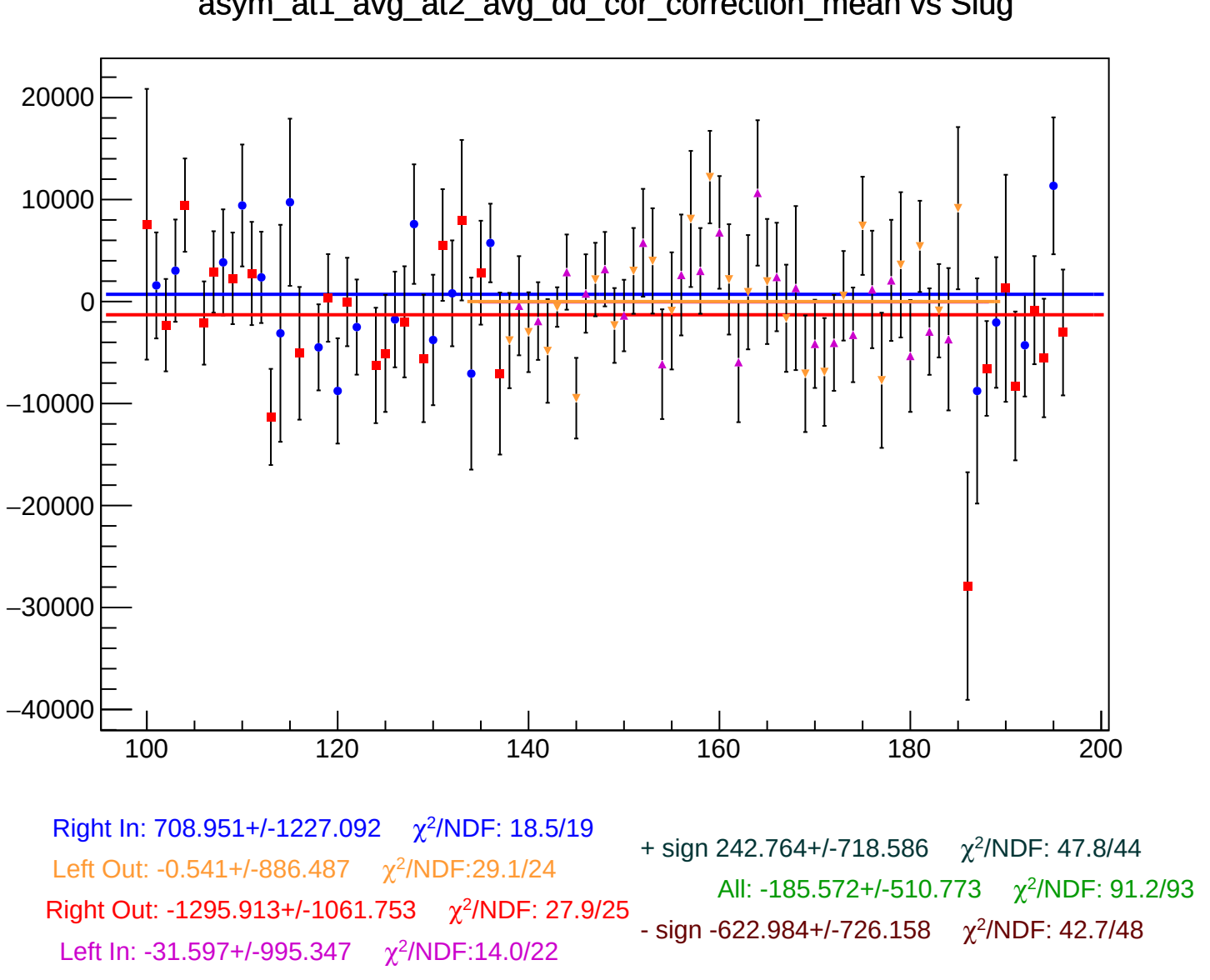
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

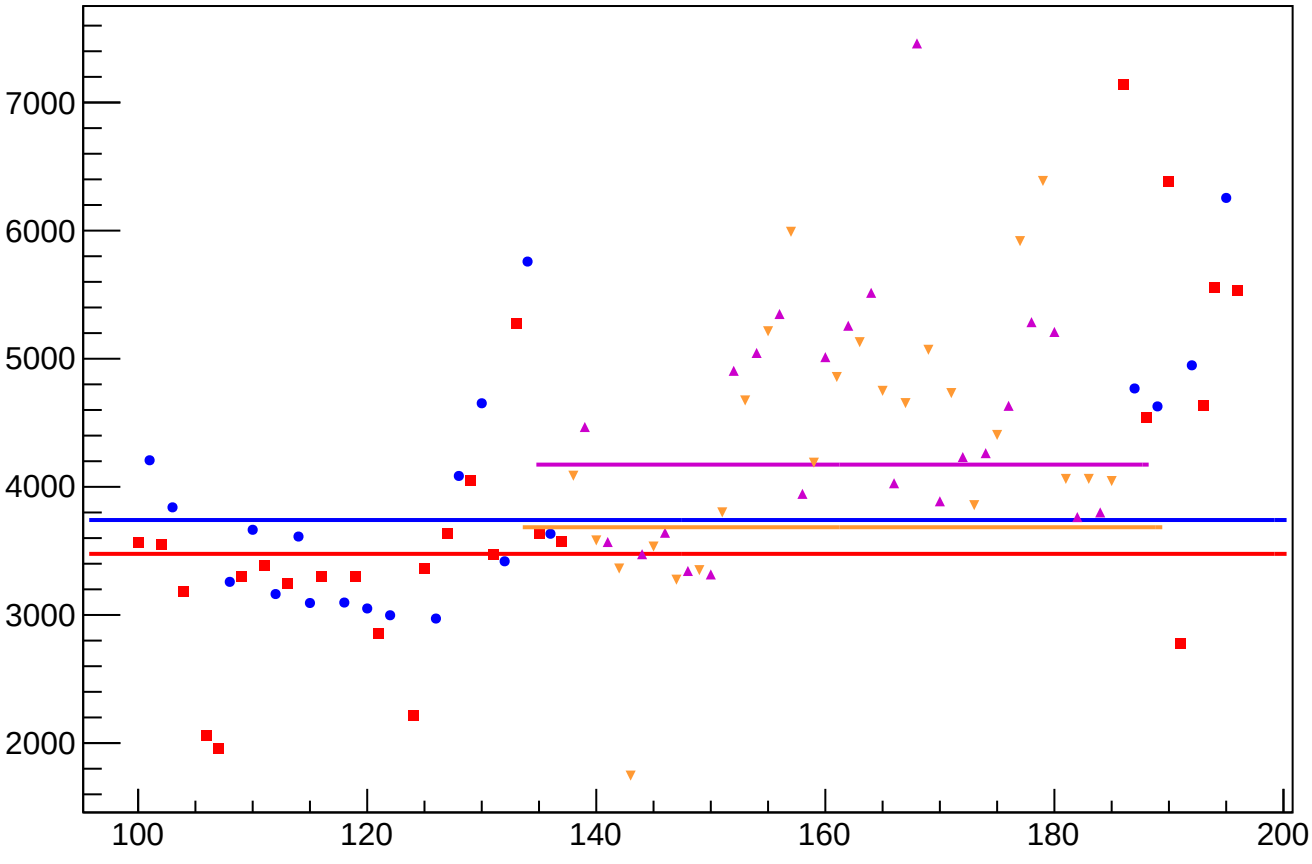
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 708.951+/-1227.092 χ²/NDF: 18.5/19
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 242.764+/-718.586 χ²/NDF: 47.8/44
All: -185.572+/-510.773 χ²/NDF: 91.2/93
- sign -622.984+/-726.158 χ²/NDF: 42.7/48



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

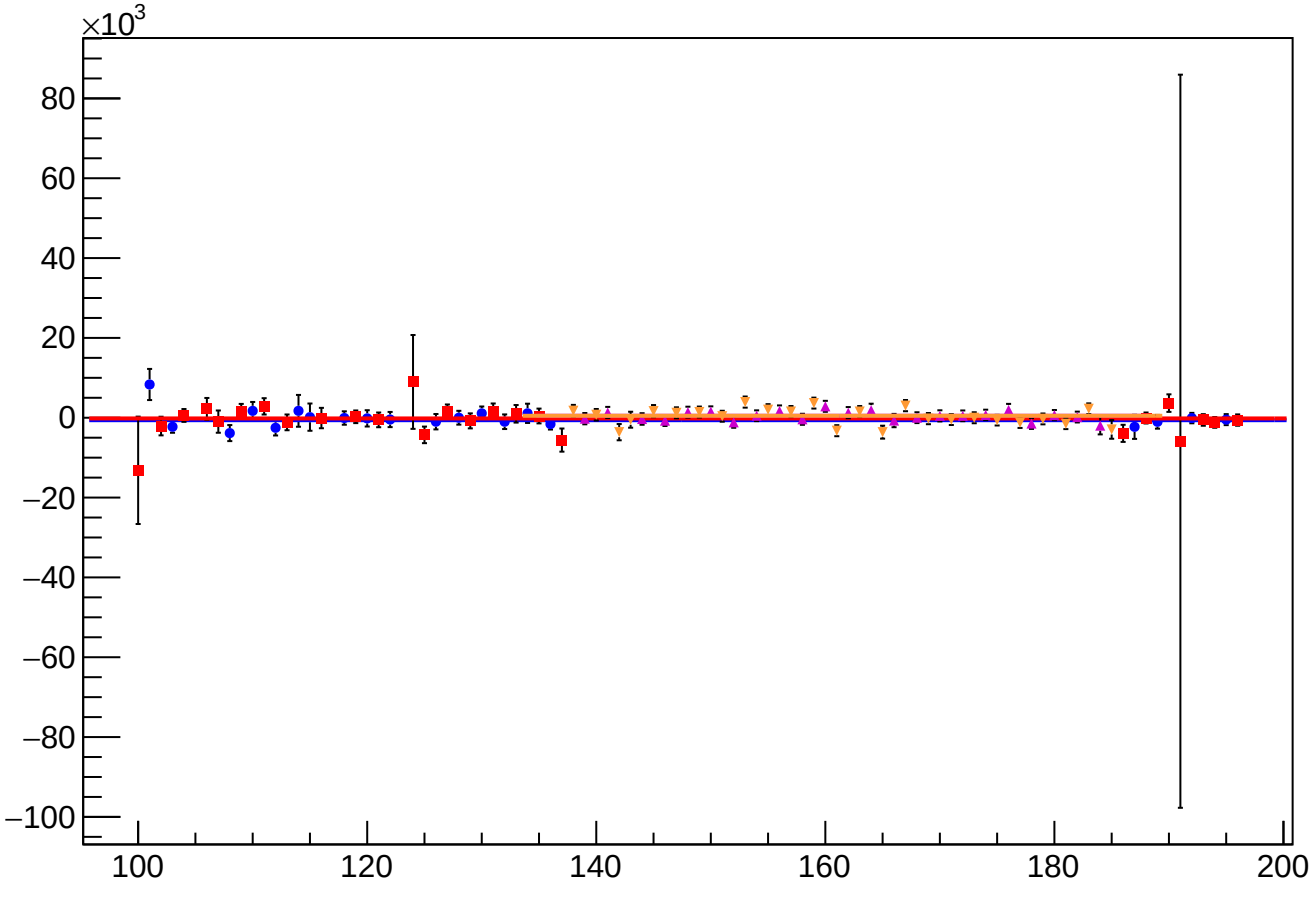
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

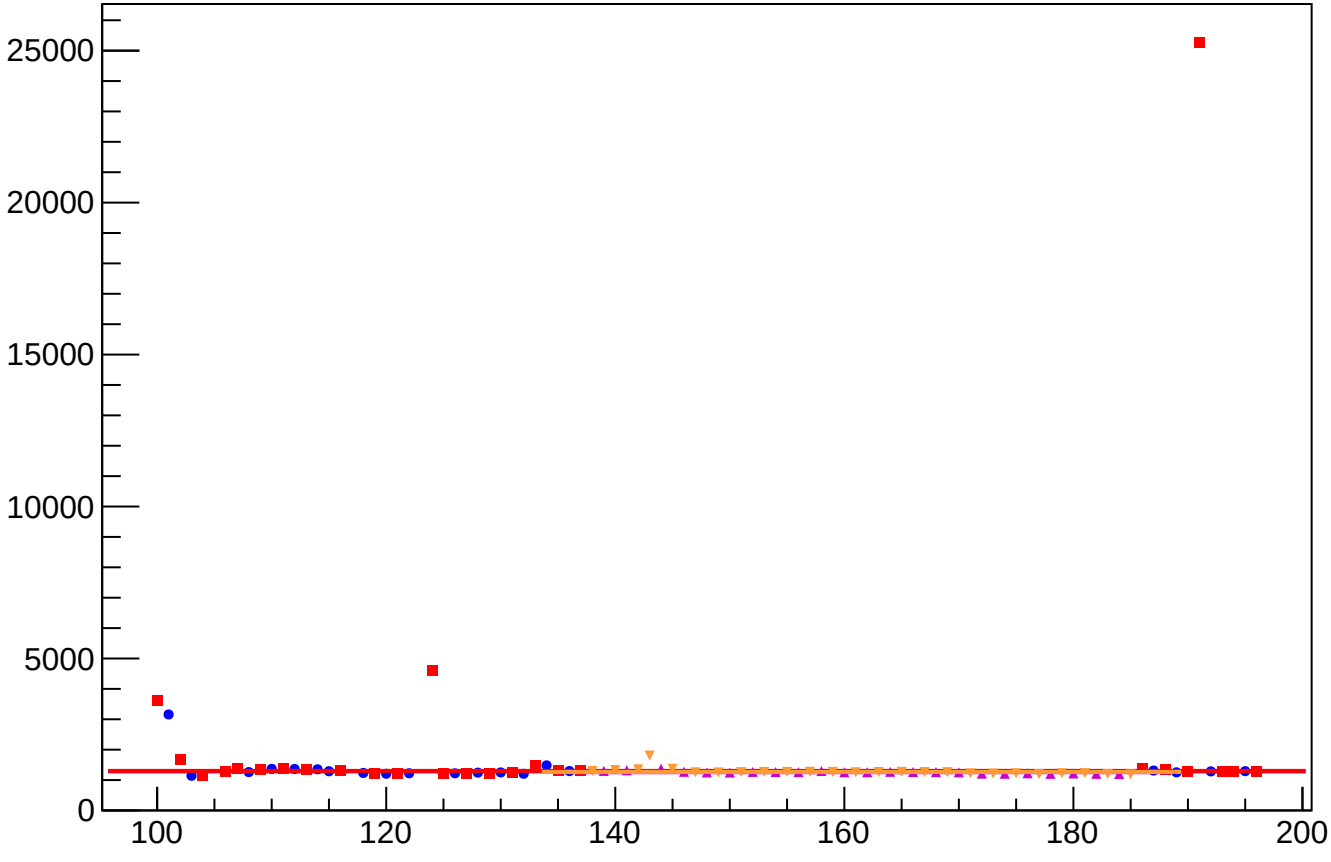
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

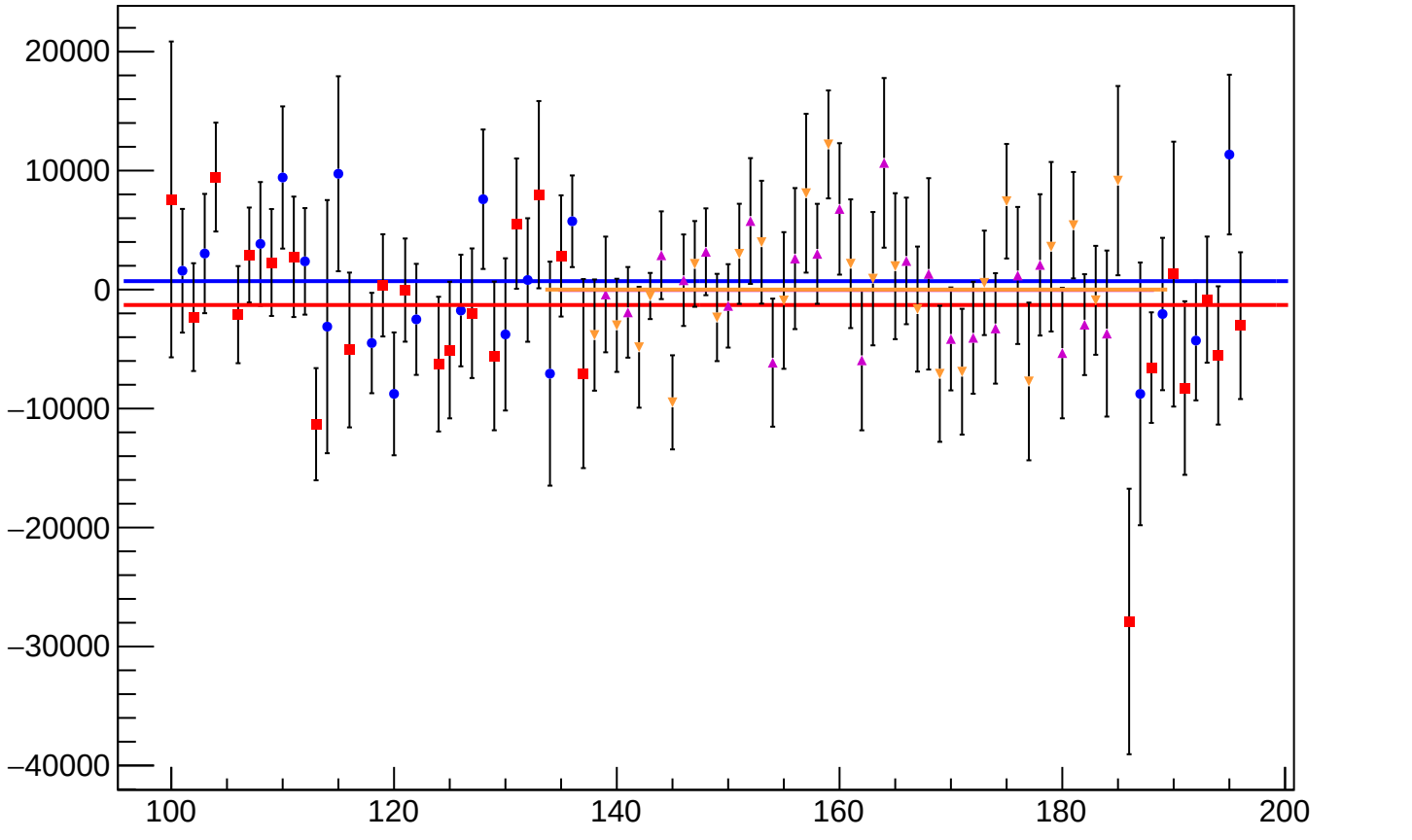
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

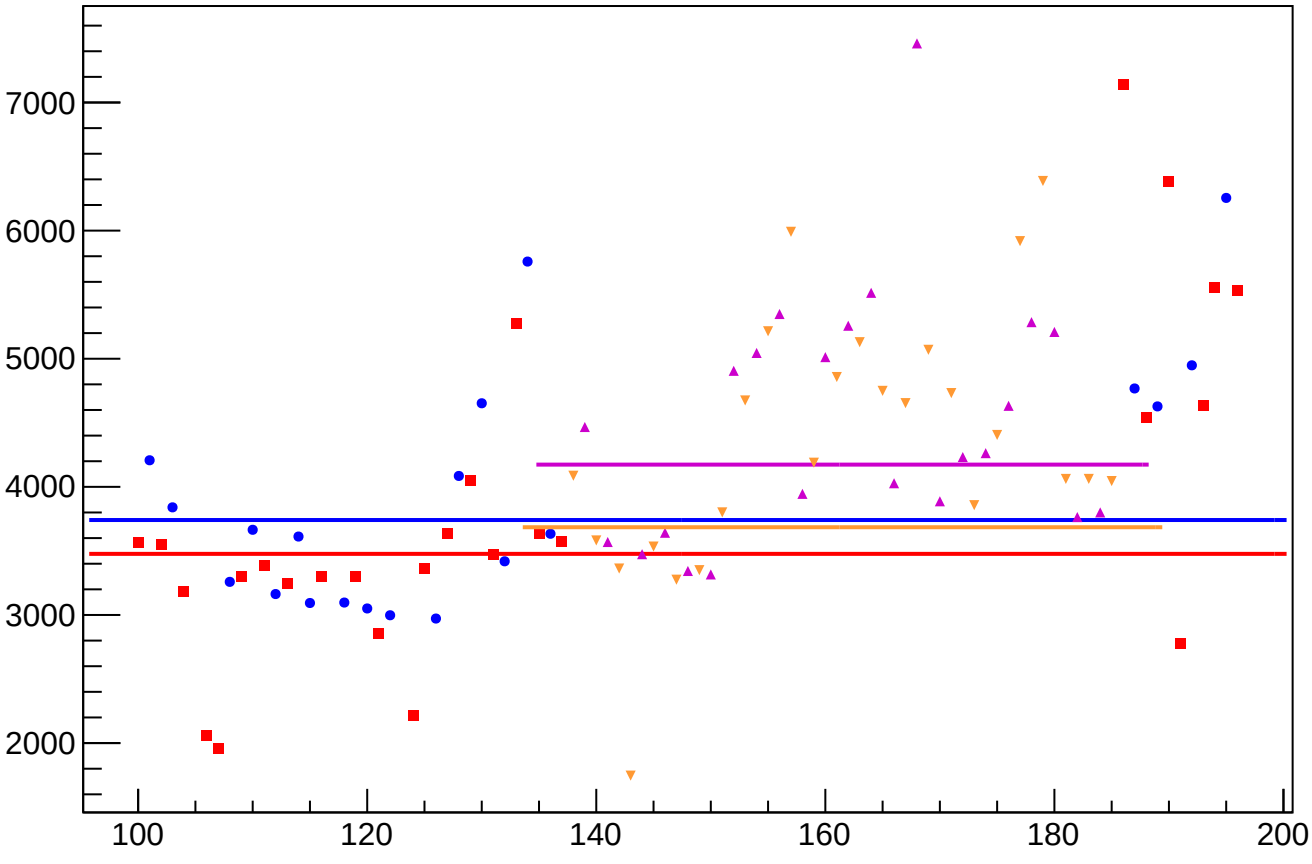
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -185.572+/-510.773 χ^2/NDF: 91.2/93

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

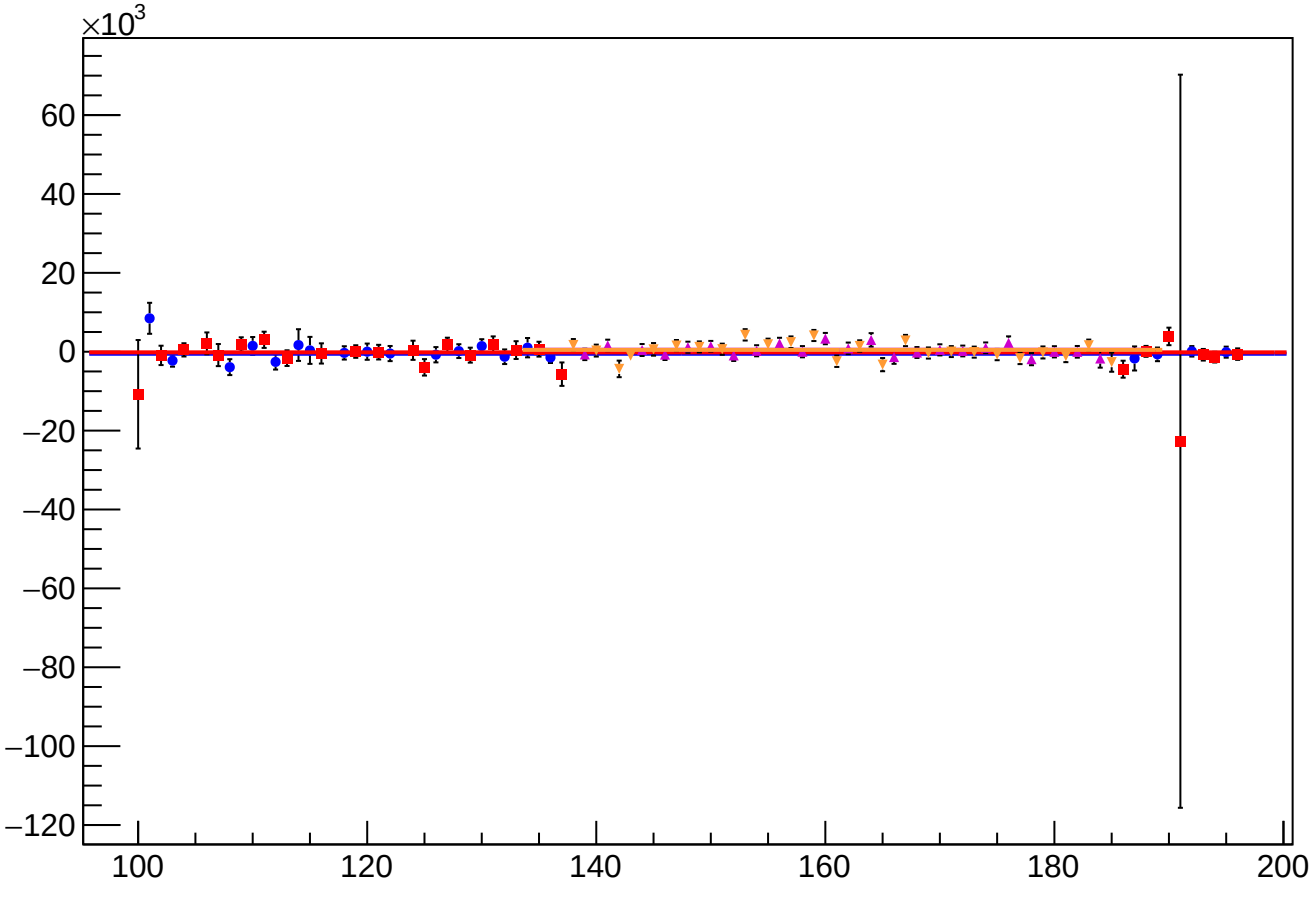
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

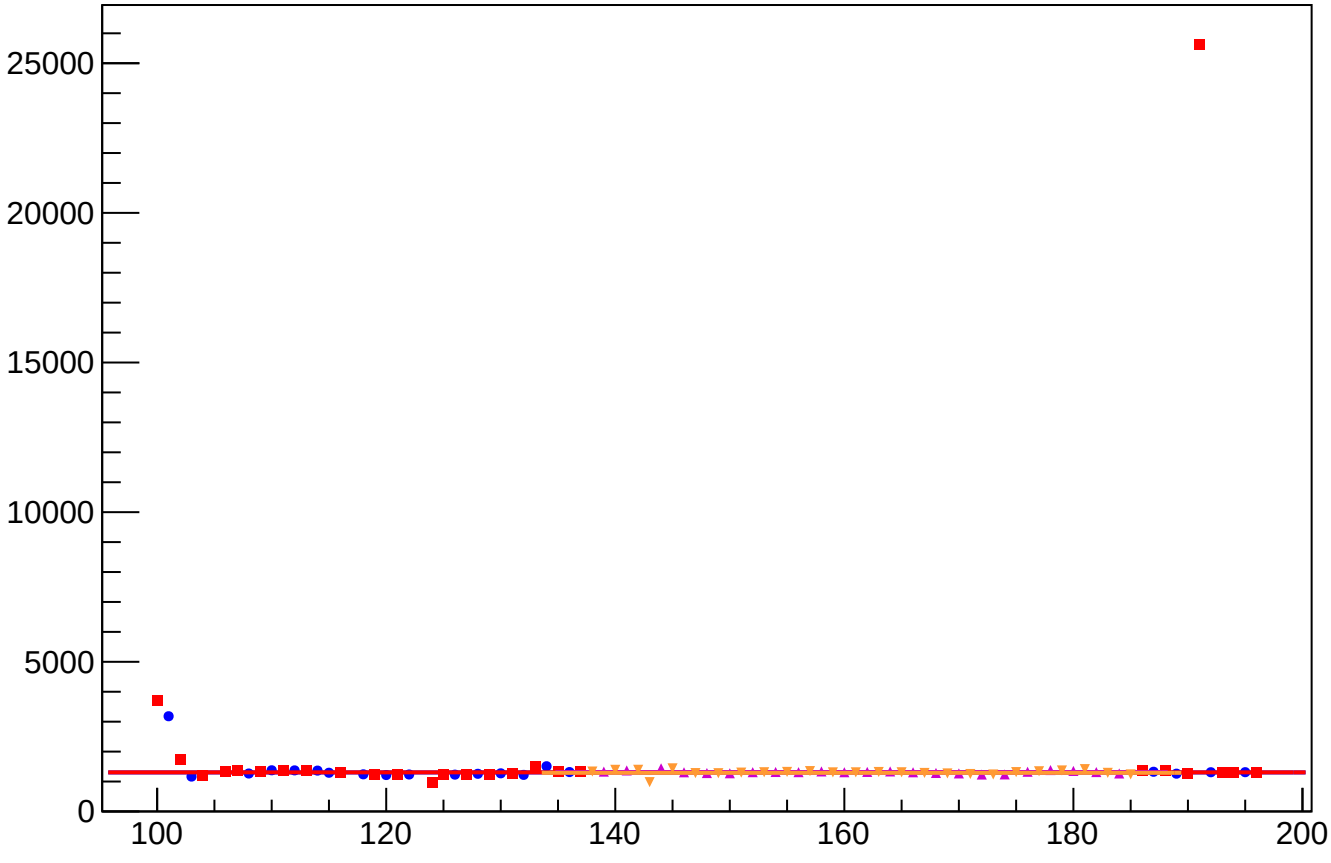
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 197.854+/-170.448 χ^2/NDF: 105.2/93

\- sign 248.936+/-240.692 χ^2/NDF: 42.8/48

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

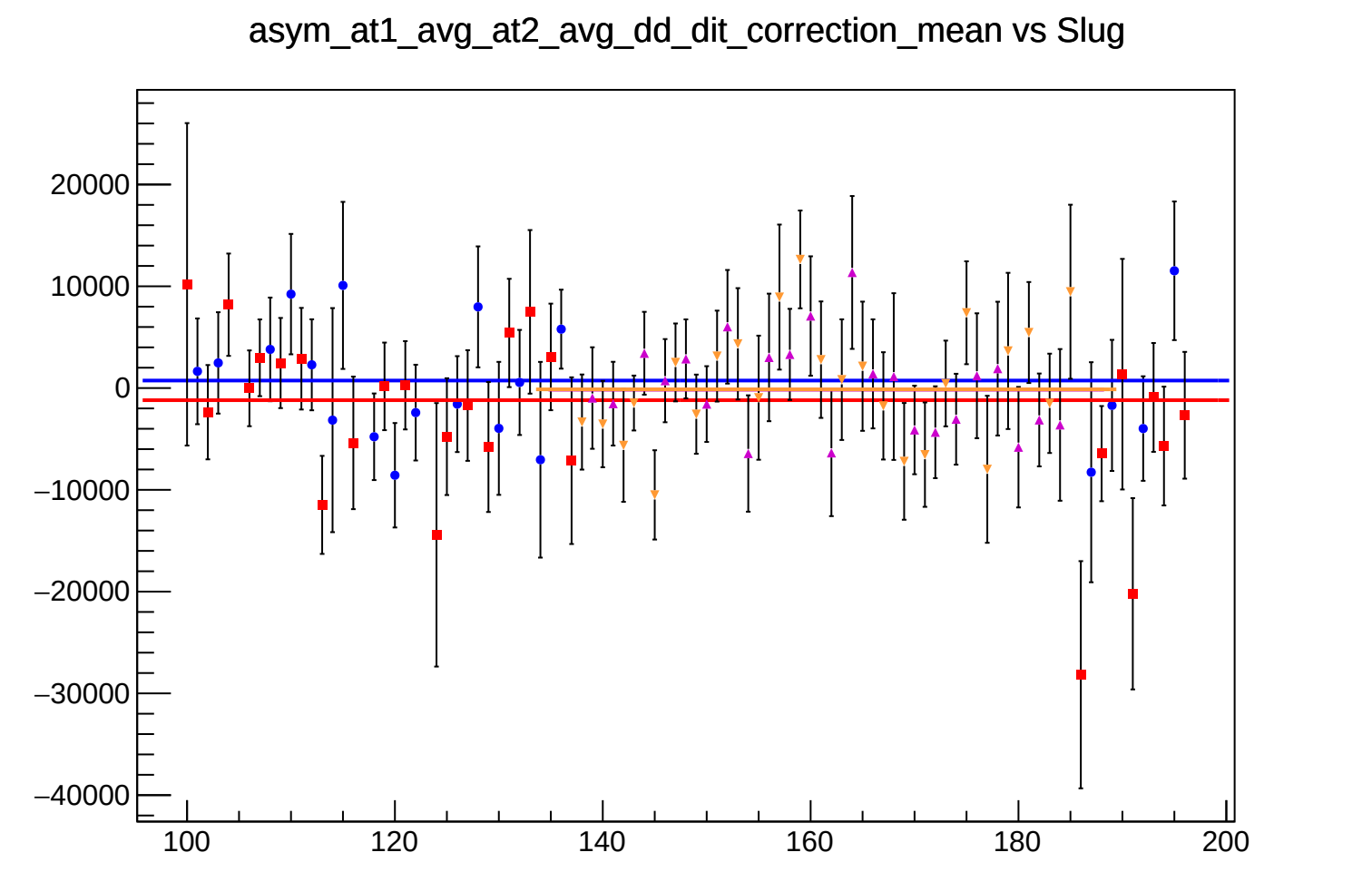
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1303.181+/-0.121 χ^2/NDF: 1151926.1/93

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

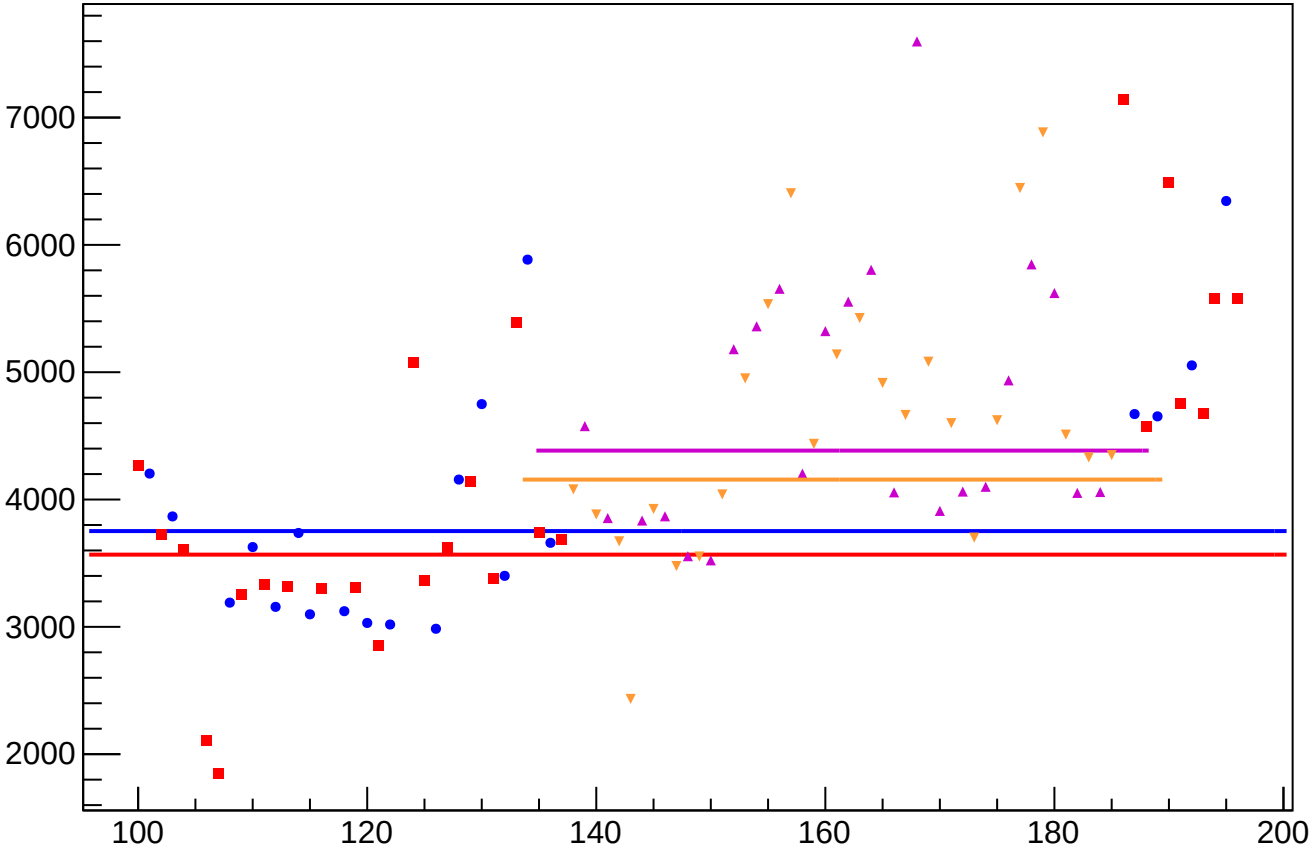
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

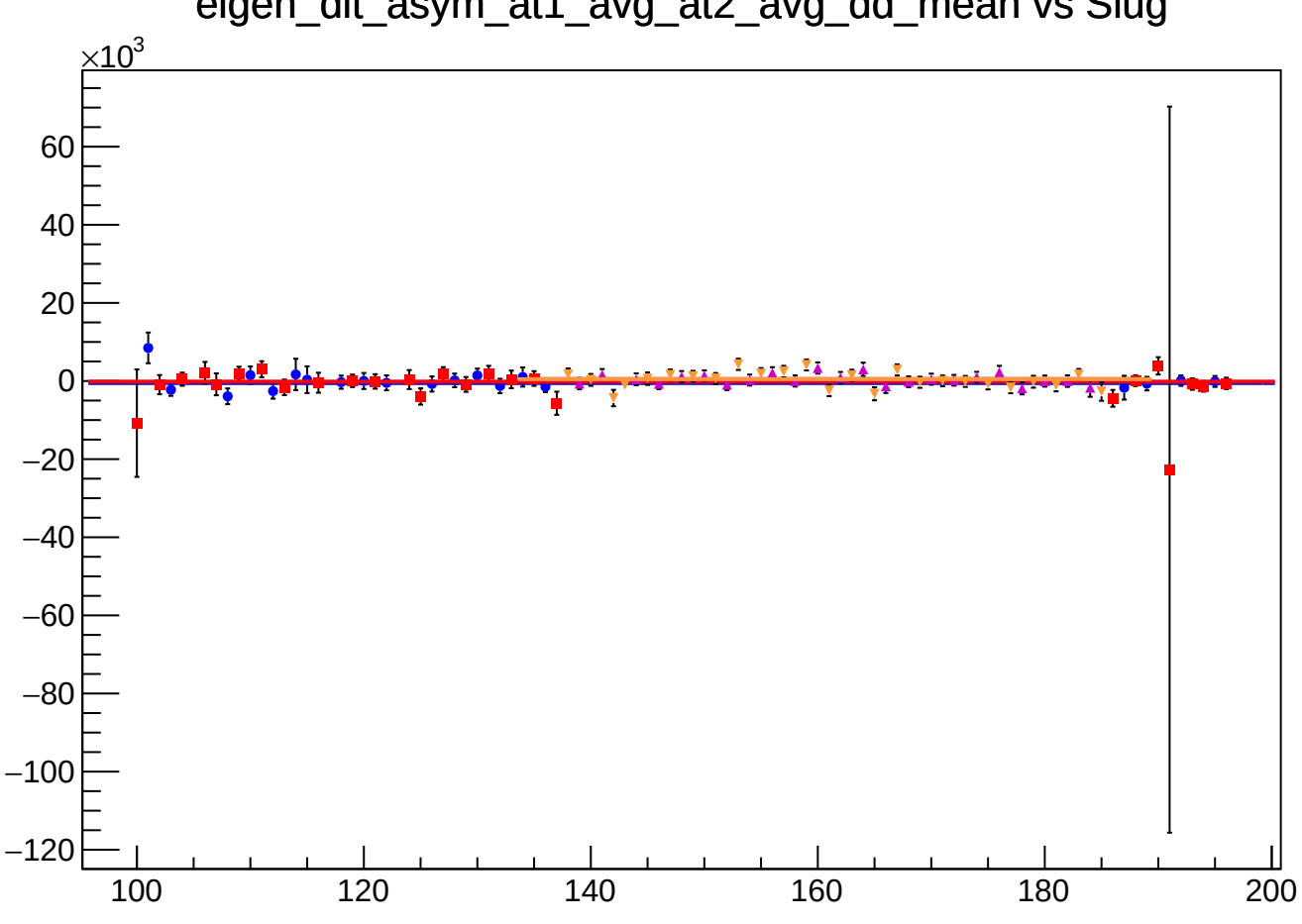
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3994.553+/-0.379 χ^2/NDF: 6932032.2/93

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

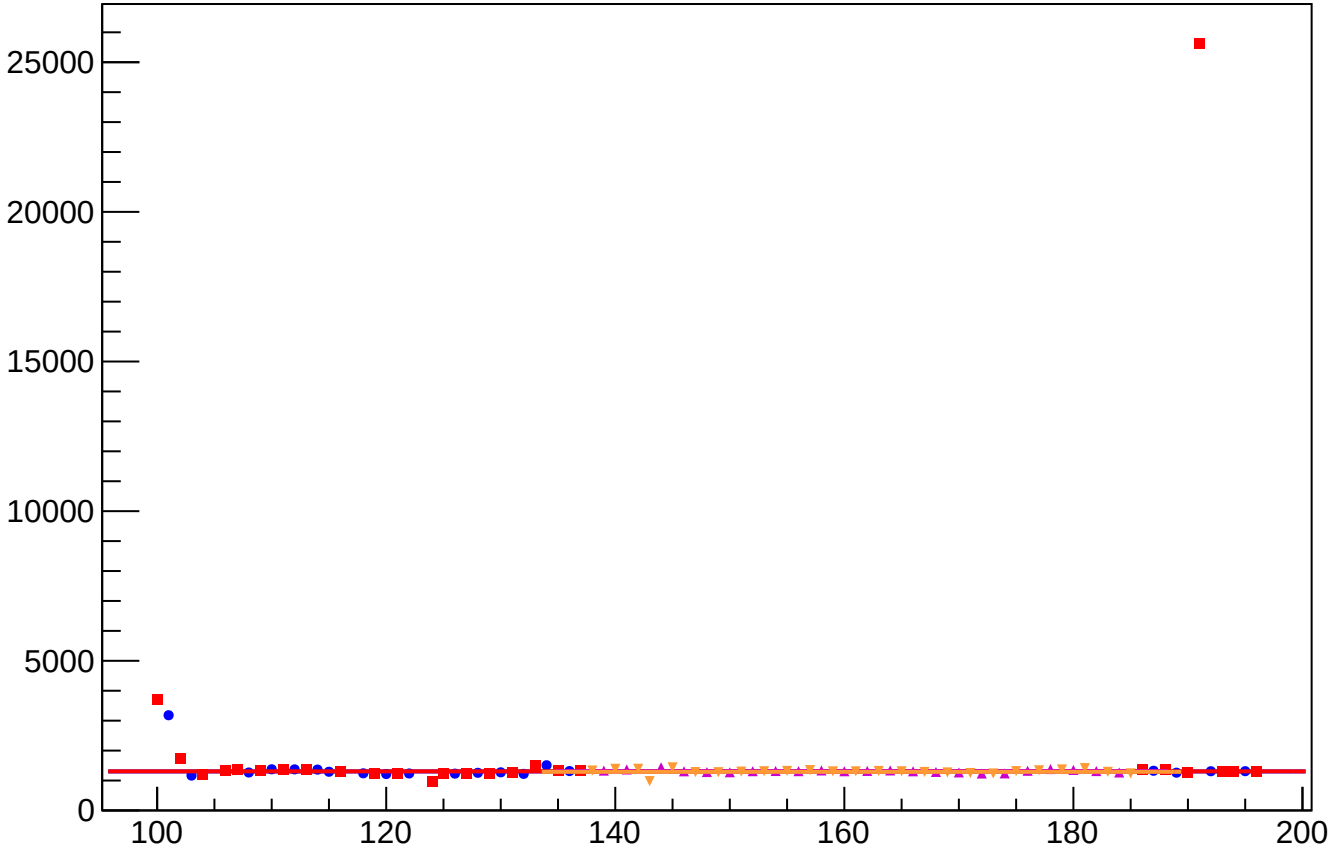
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 197.856+/-170.448 χ^2/NDF: 105.2/93

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

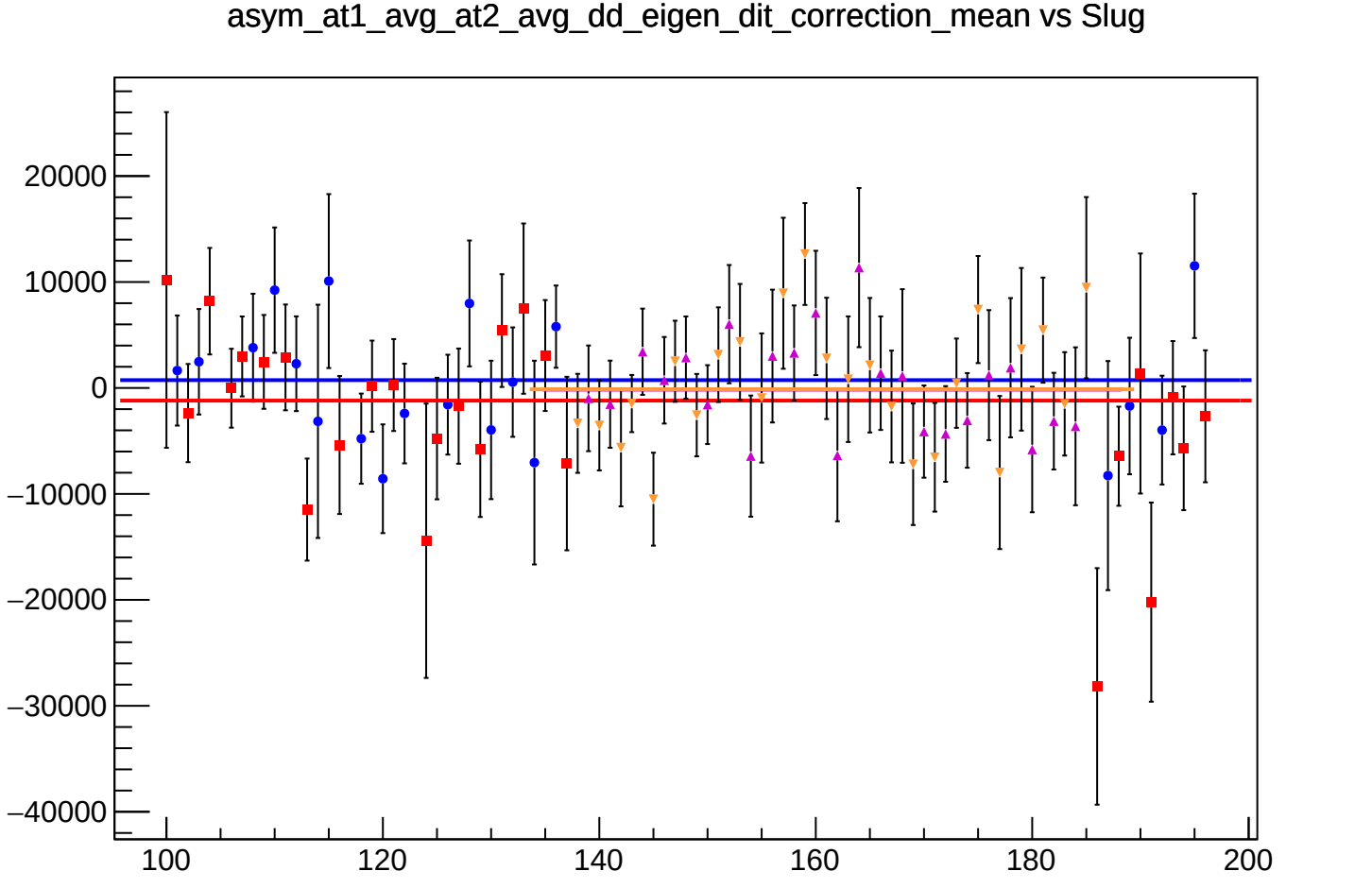
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1303.182+/-0.121 χ^2/NDF: 1151930.9/93

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

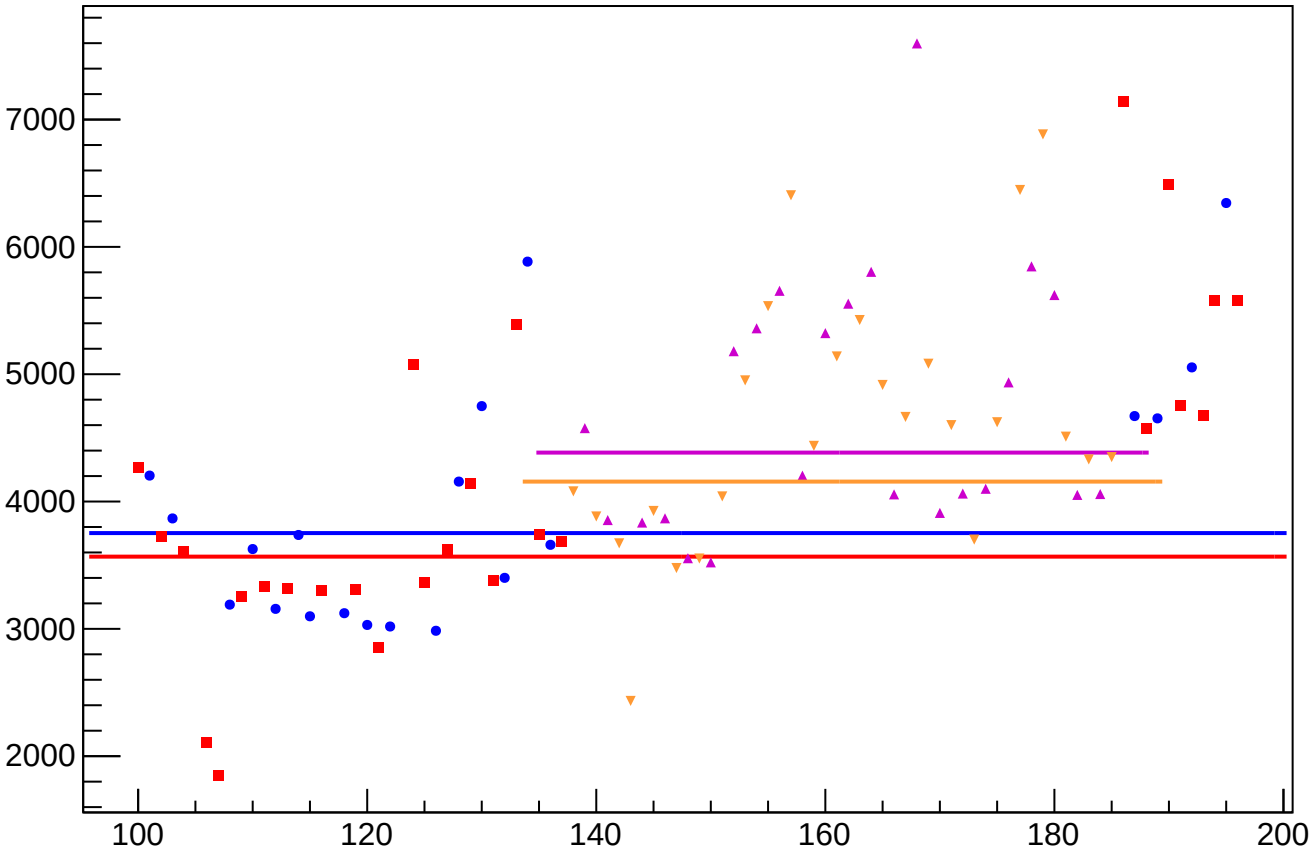
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 207.502+/-765.434 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.773+/-751.166 χ^2/NDF: 43.9/48



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3567.219+/-0.764 χ^2/NDF: 1961465.1/25

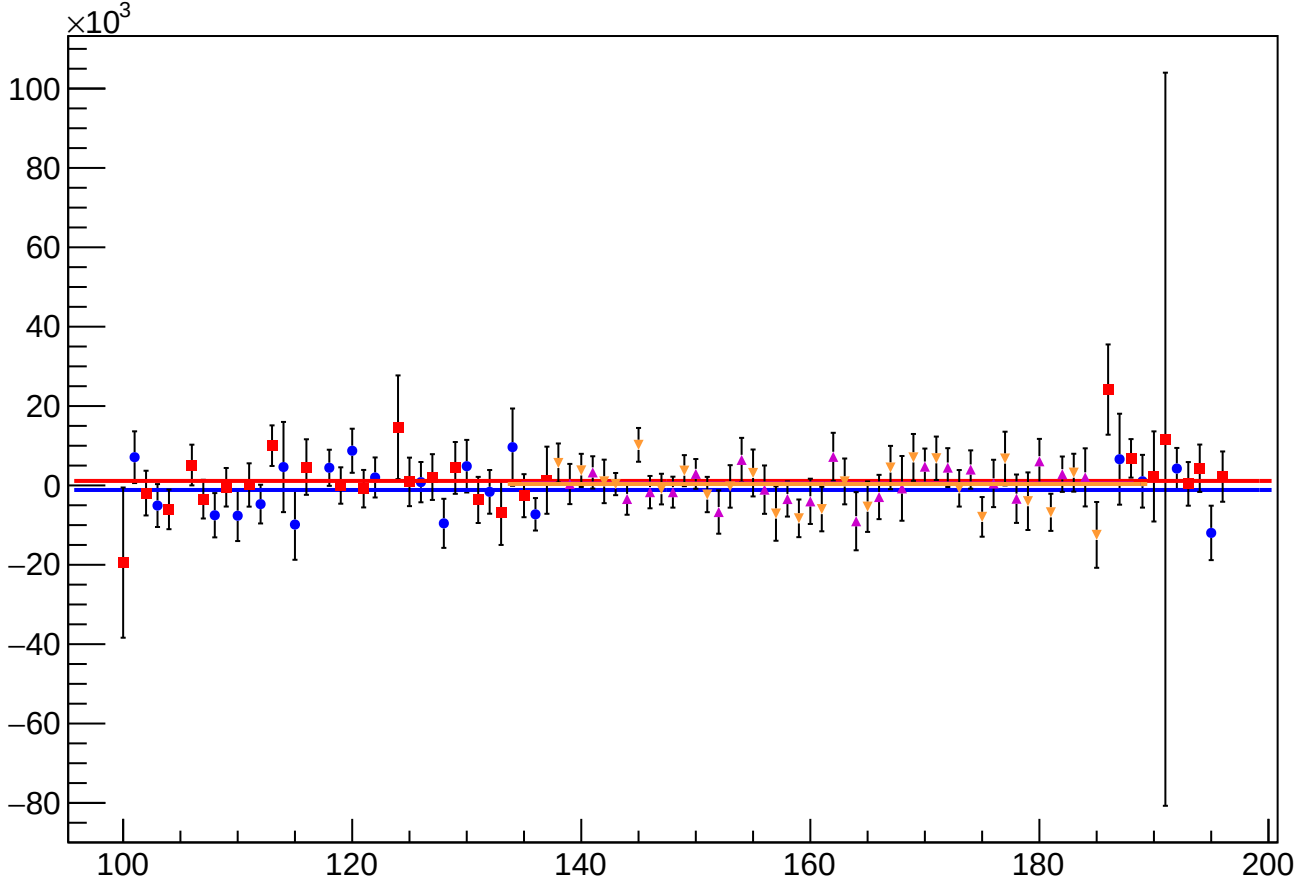
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3994.552+/-0.379 χ^2/NDF: 6932096.0/93

- sign 3989.007+/-0.531 χ^2/NDF: 3807963.0/48

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

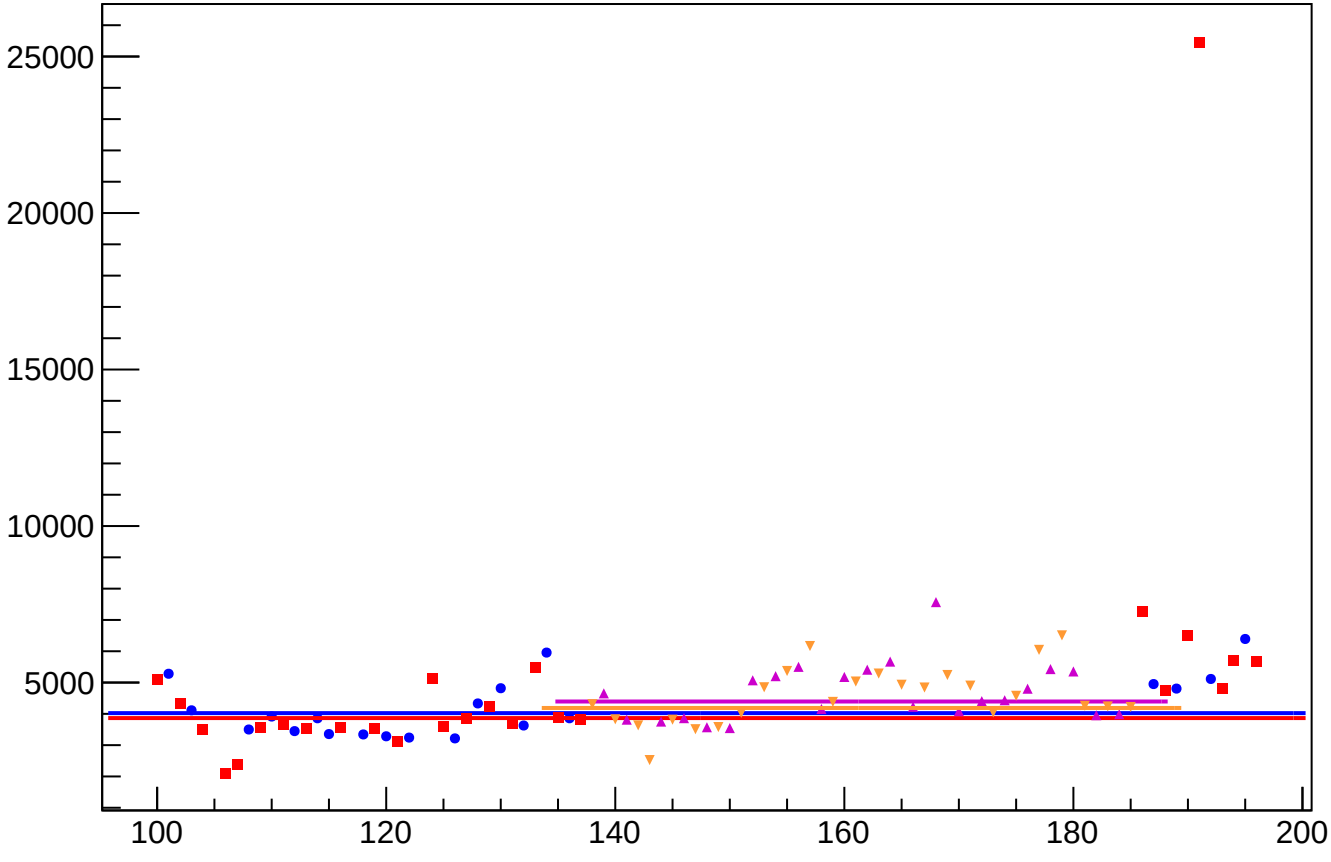
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 299.287+/-555.679 χ^2/NDF: 83.0/93

- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4022.872+/-0.931 χ^2/NDF: 805994.9/19

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

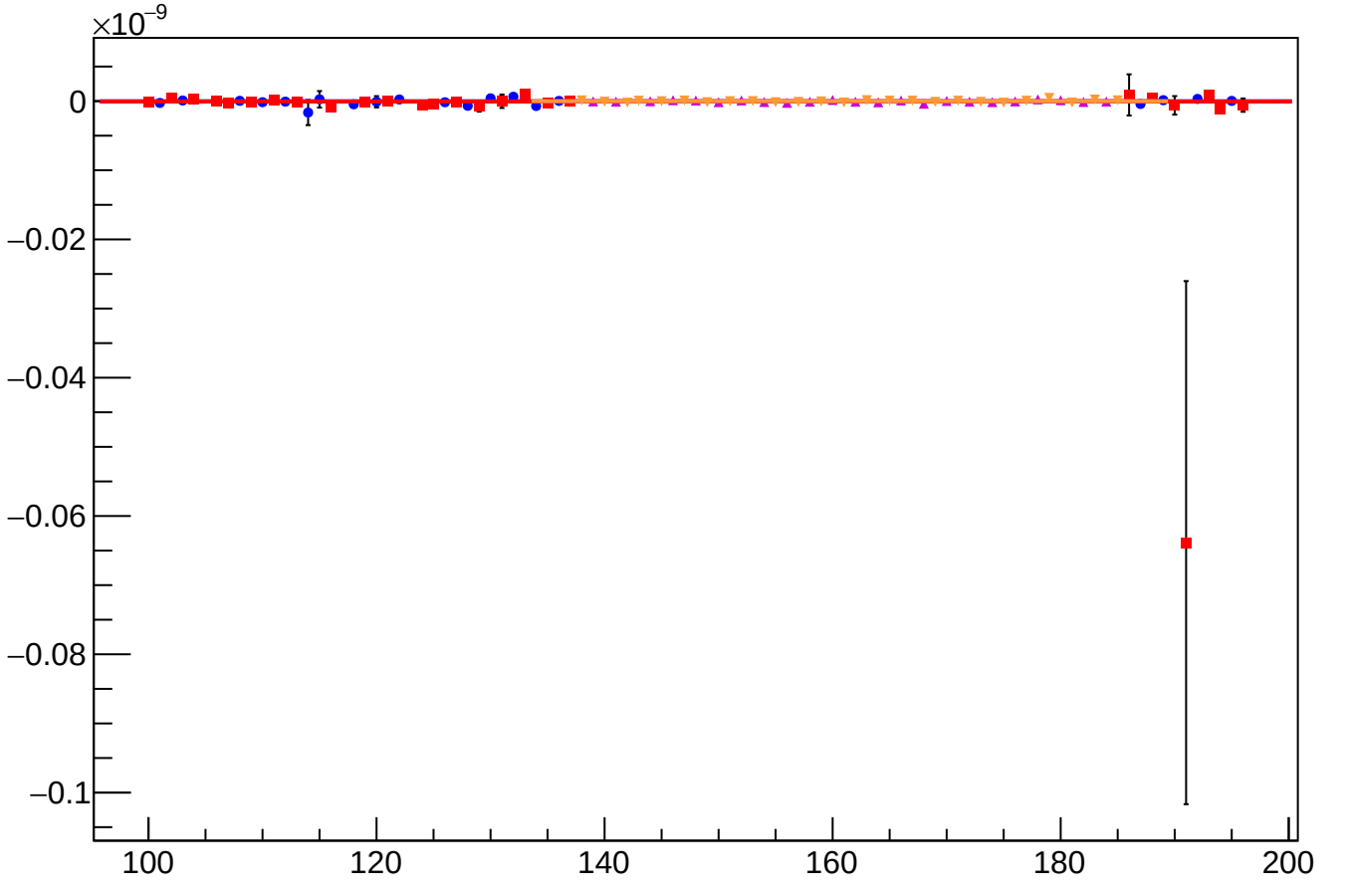
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4145.314+/-0.392 χ^2/NDF: 5569868.9/93

- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

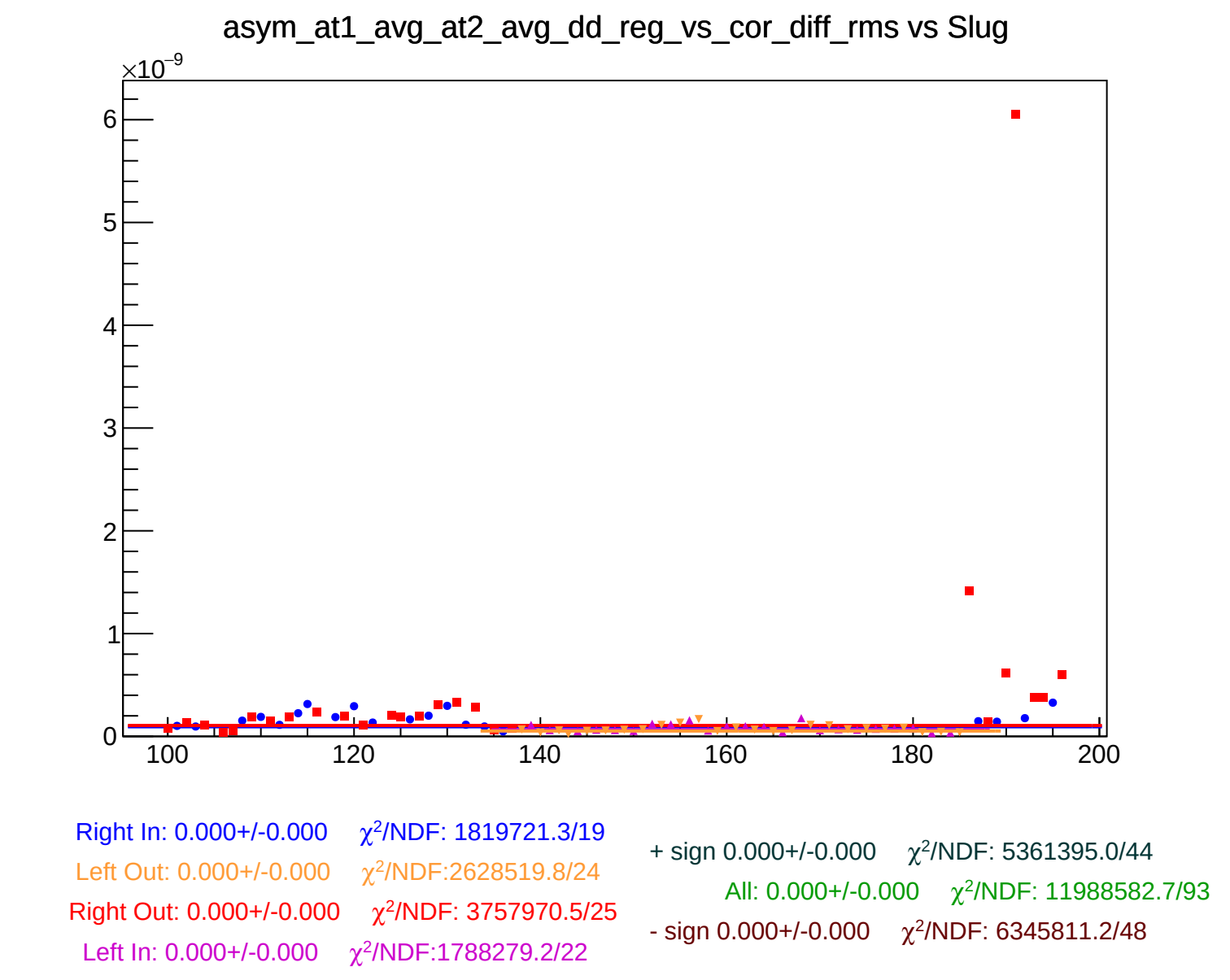
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

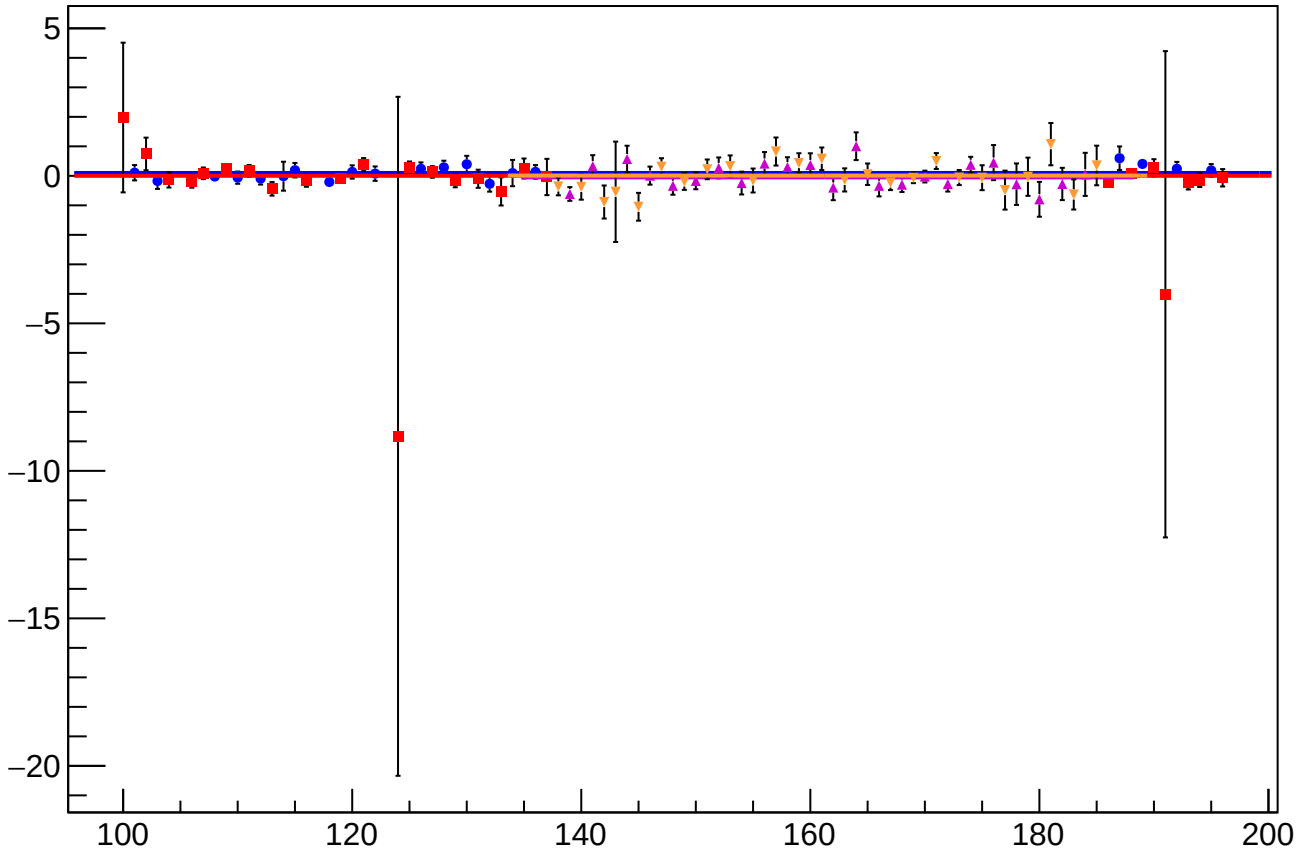
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/44

All: -0.000+/-0.000 χ^2/NDF: 92.2/93

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 1819721.3/19
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: 5361395.0/44
All: 0.000+/-0.000 χ²/NDF: 11988582.7/93
- sign 0.000+/-0.000 χ²/NDF: 6345811.2/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

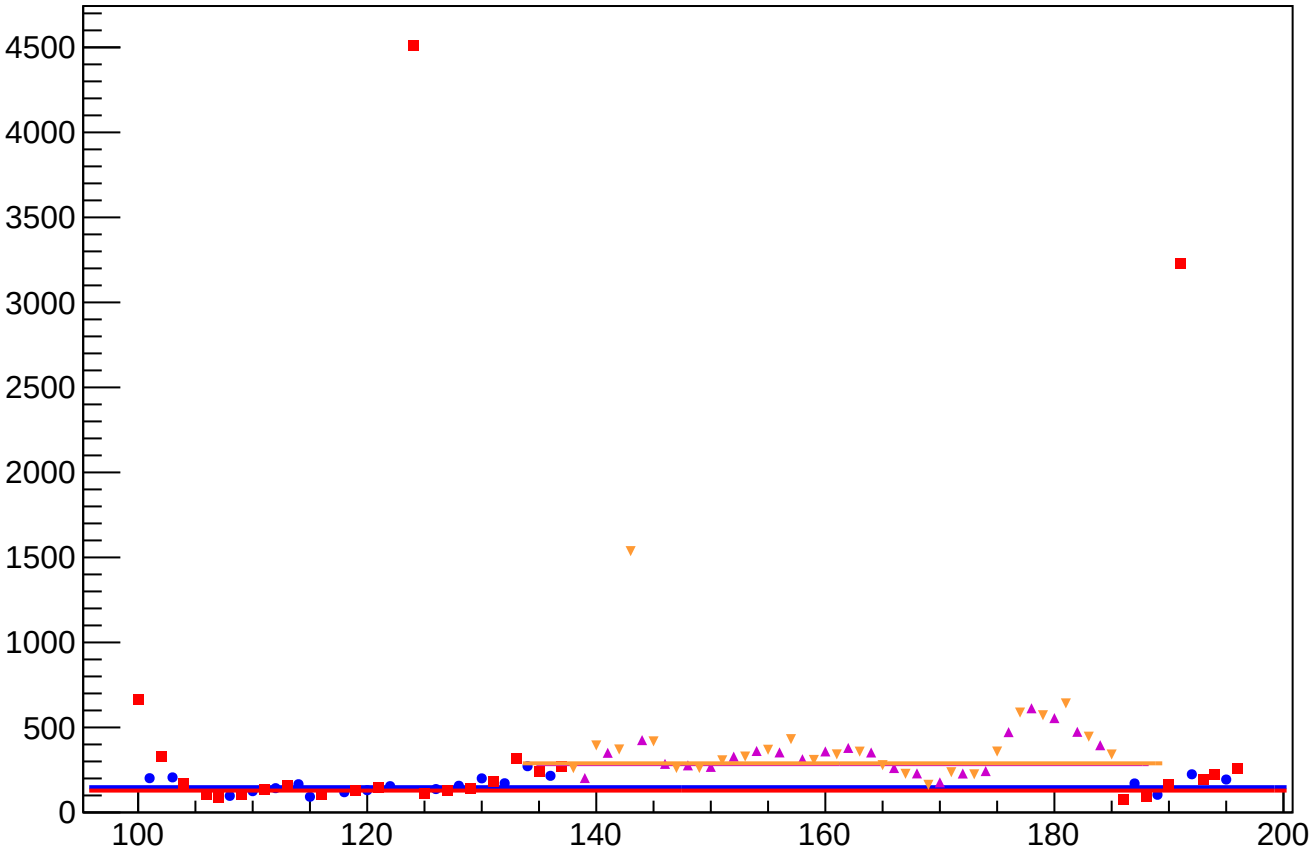
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

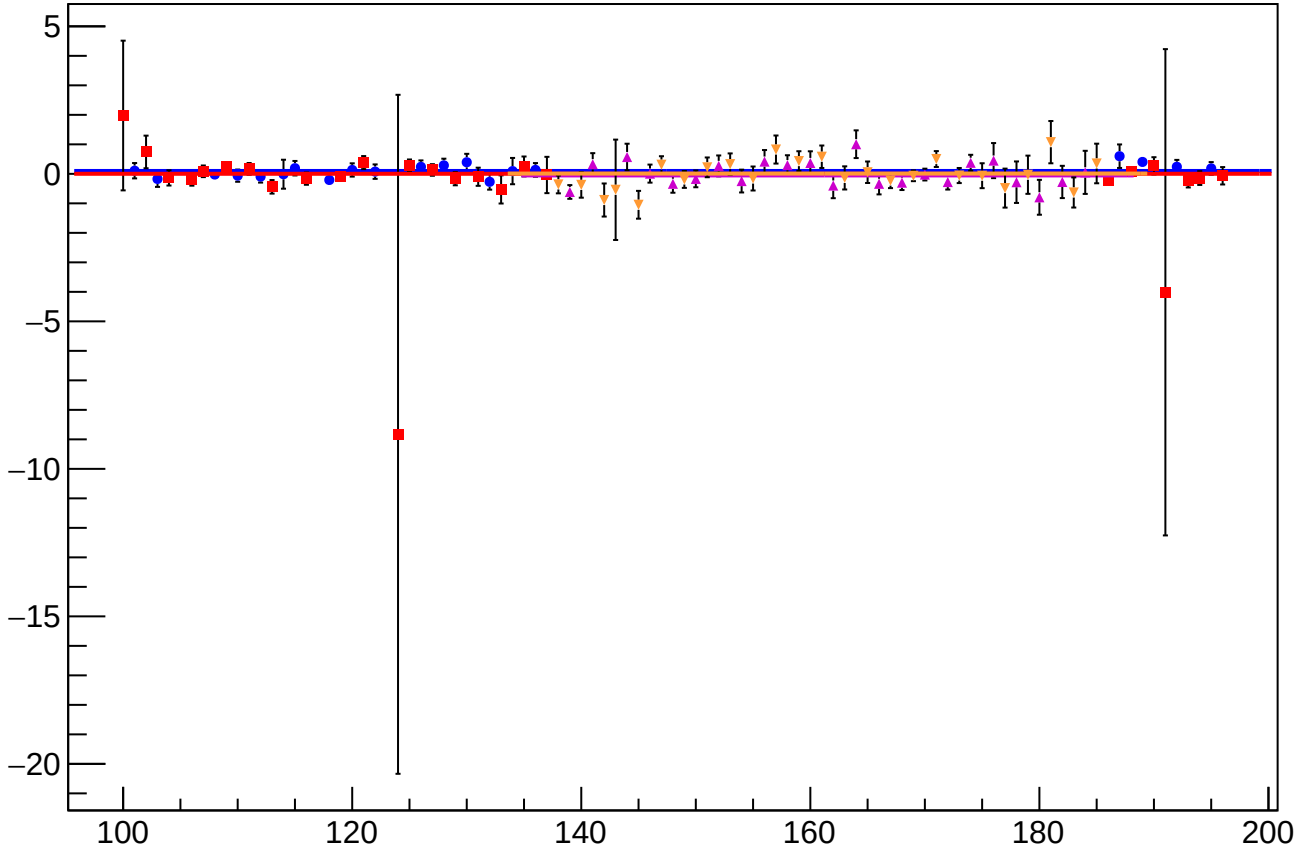
+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48


asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 148.685+/-0.036 χ²/NDF: 1480088.6/19
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 128.630+/-0.030 χ²/NDF: 3443115.5/25
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.939+/-0.029 χ²/NDF: 11299020.9/44
All: 181.229+/-0.019 χ²/NDF: 25445022.6/93
- sign 169.857+/-0.026 χ²/NDF: 13694488.8/48

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

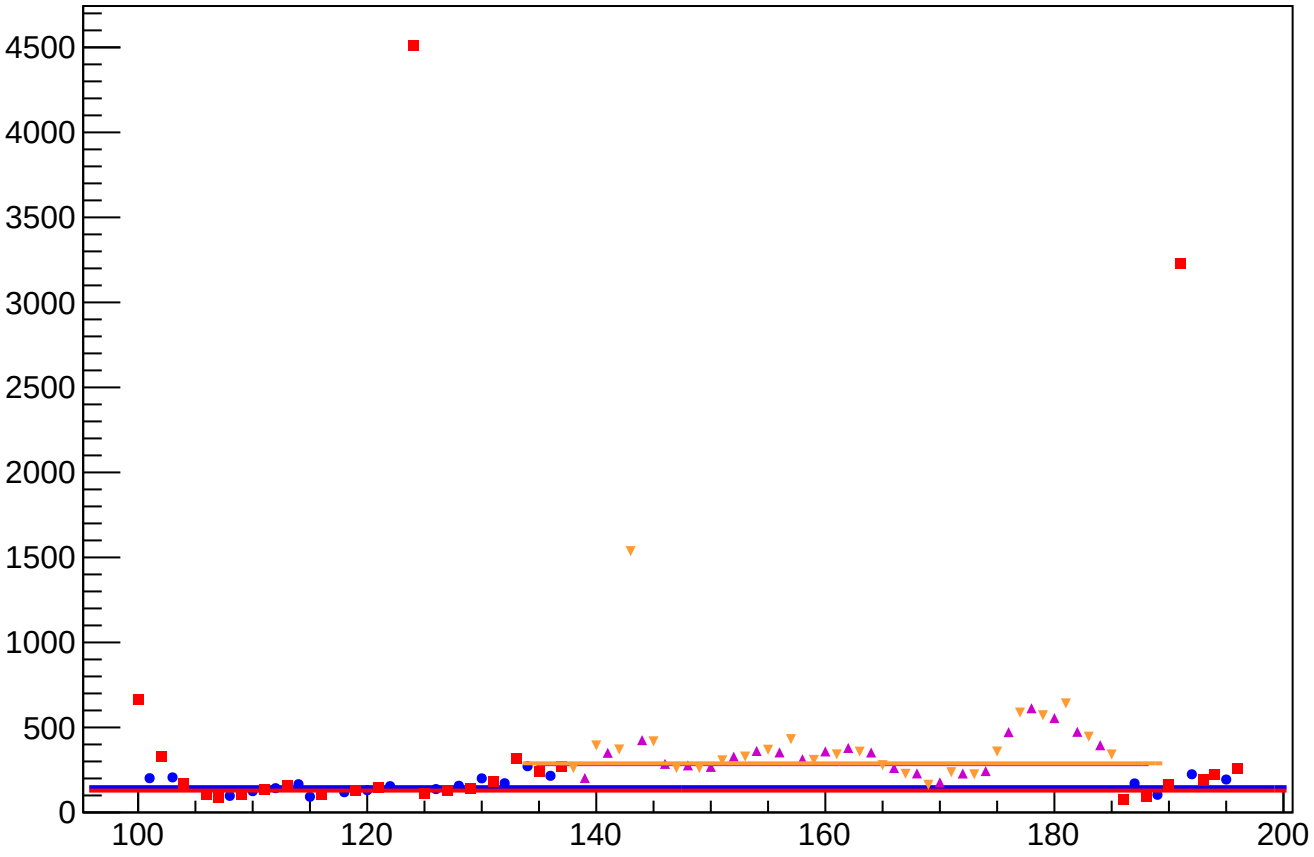
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

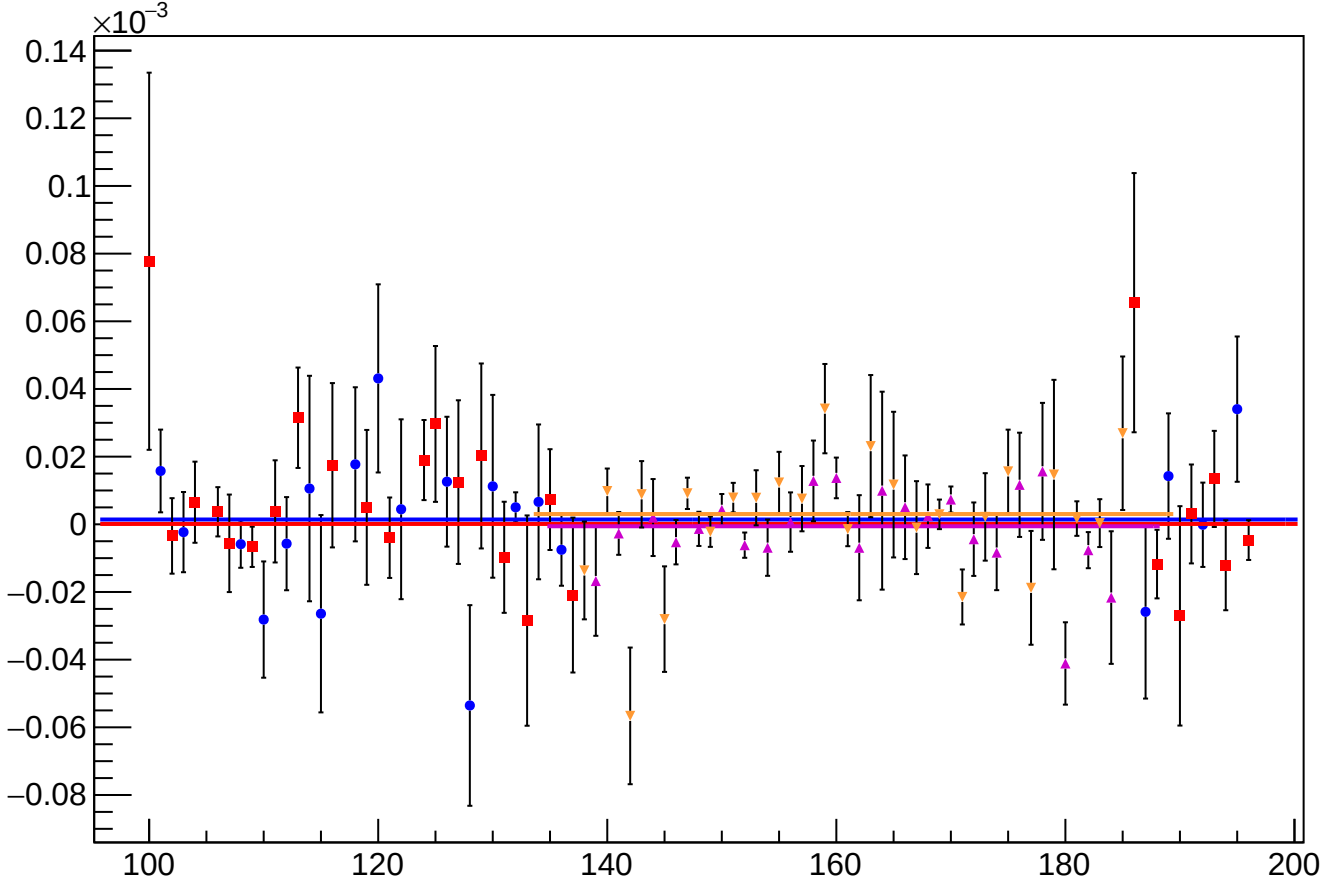
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 181.229+/-0.019 χ^2/NDF: 25445022.6/93

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

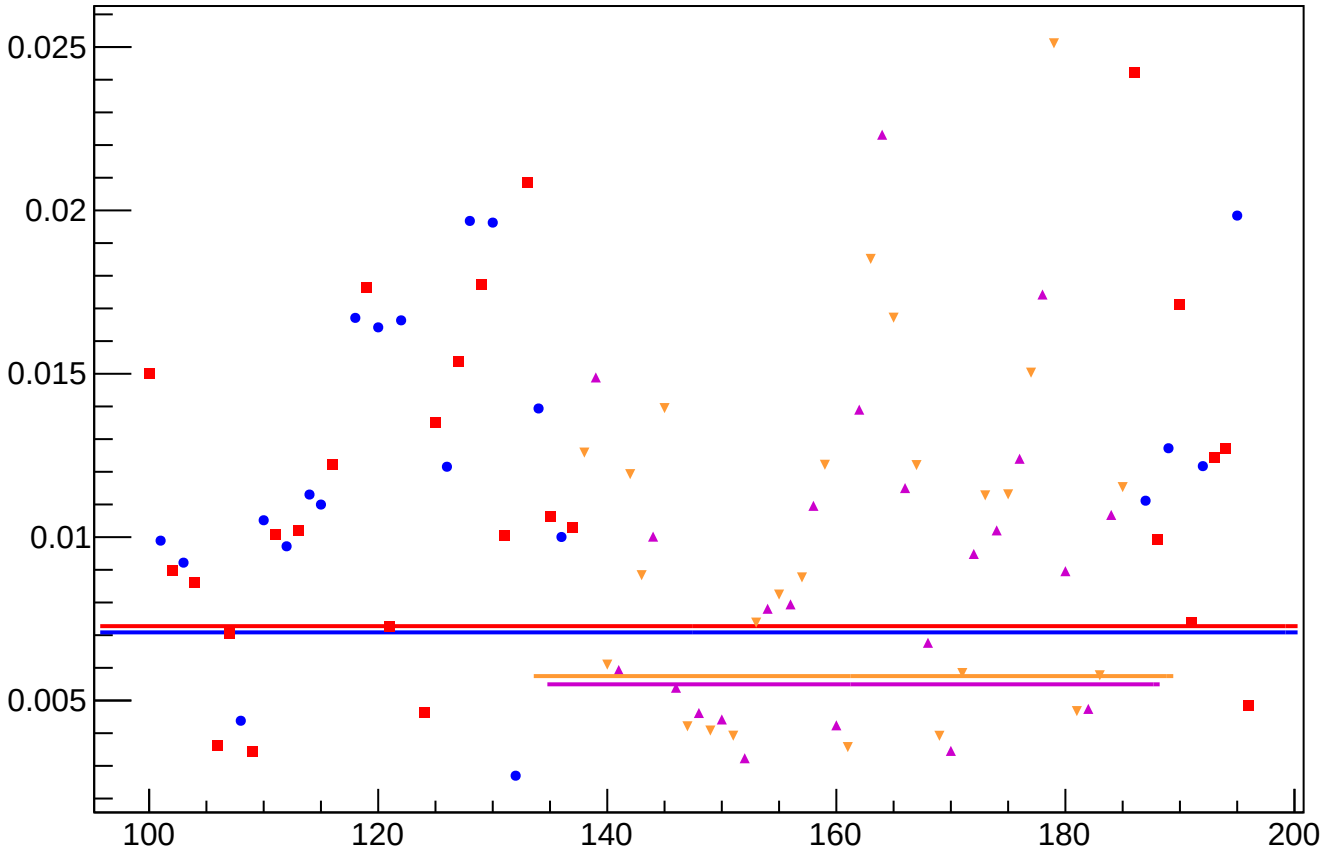
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/44

All: 0.000+/-0.000 χ^2/NDF: 121.2/93

- sign -0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

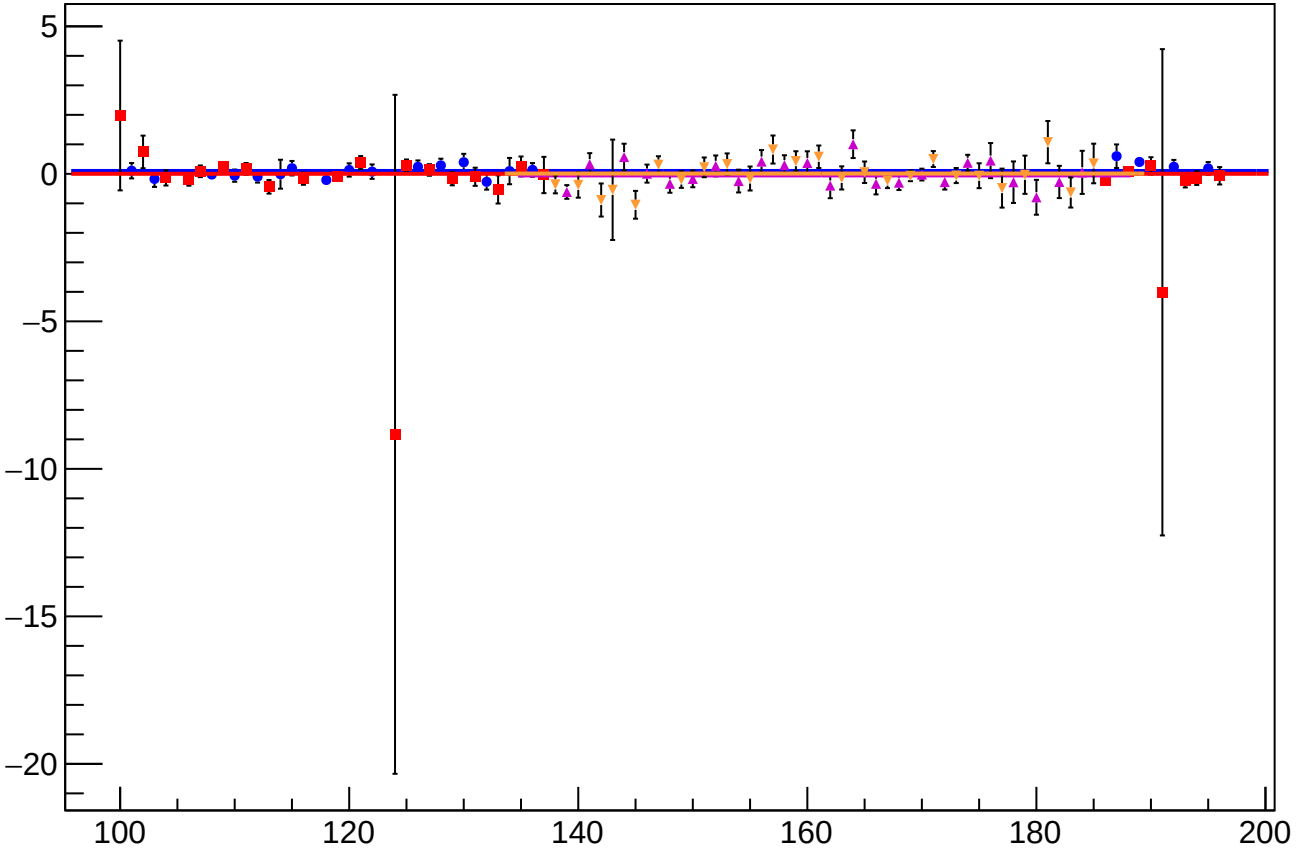
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14517339.2/44

All: 0.006+/-0.000 χ^2/NDF: 27302294.7/93

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

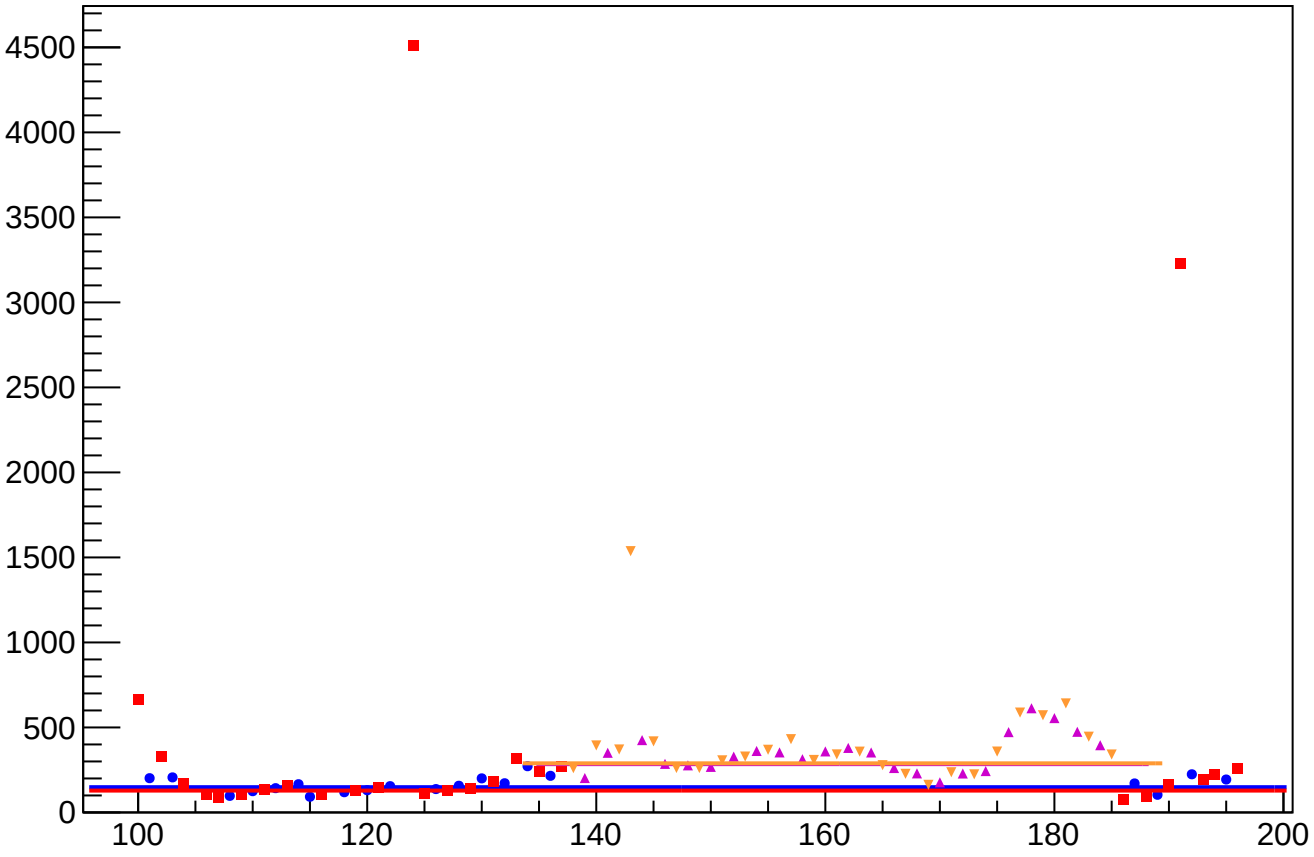
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

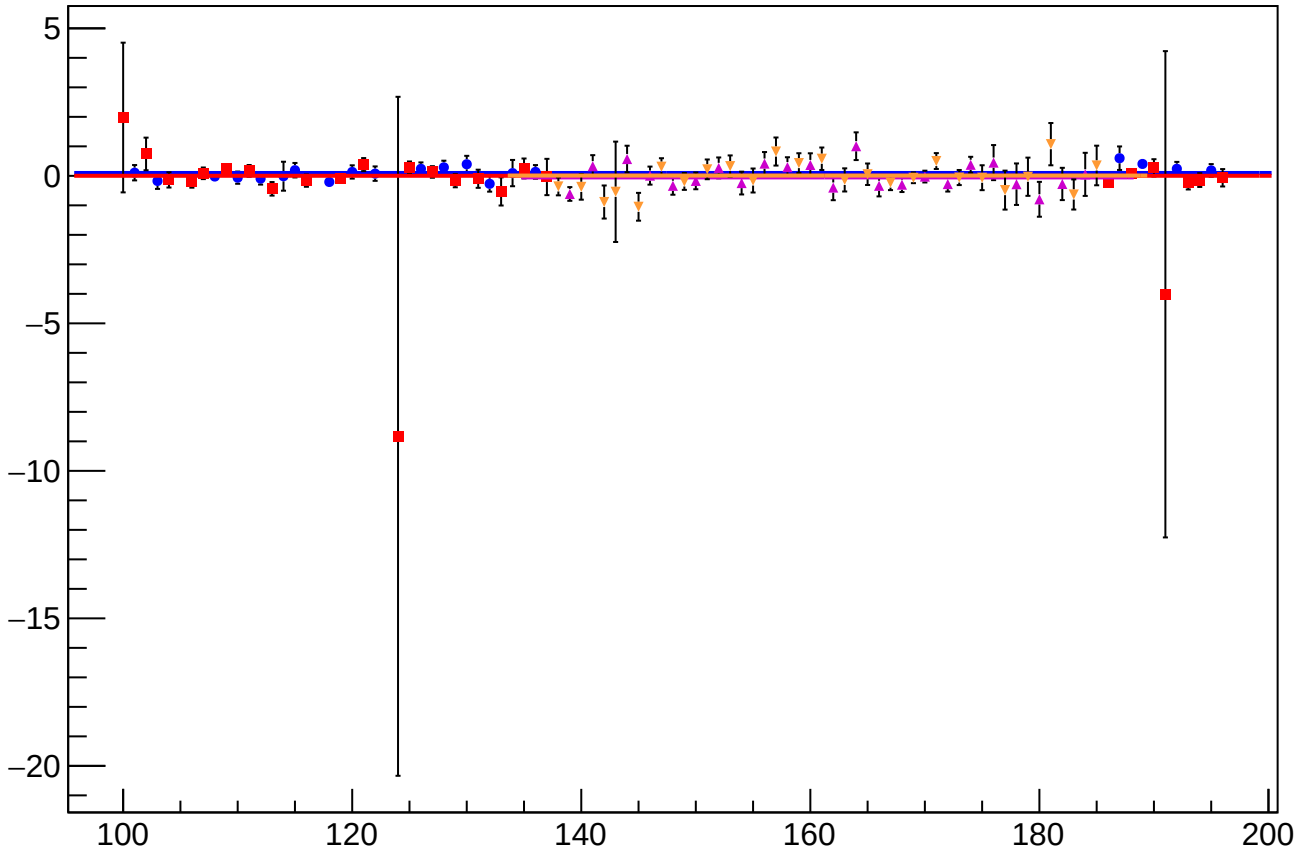
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 181.230+/-0.019 χ^2/NDF: 25444950.1/93

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

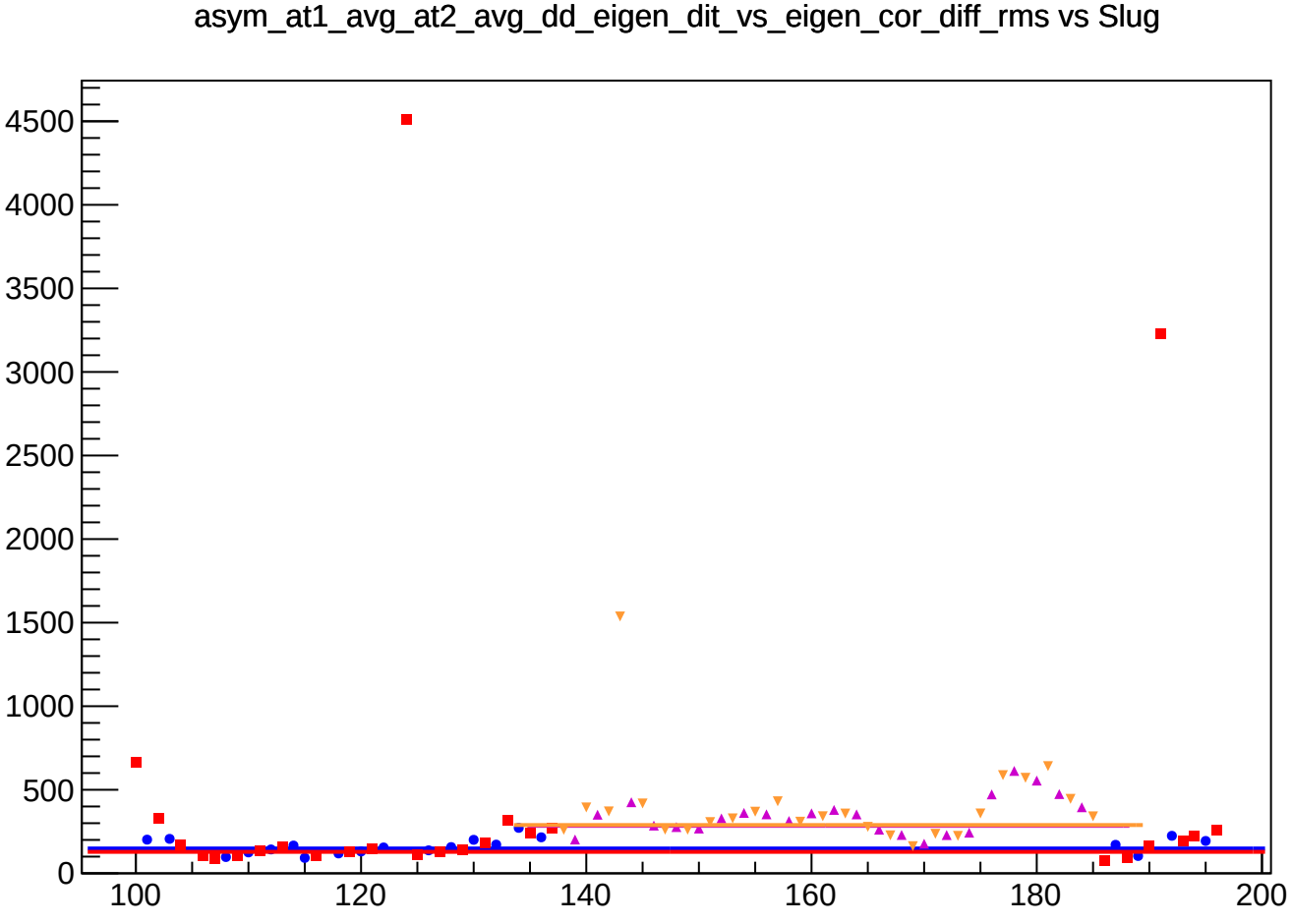
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

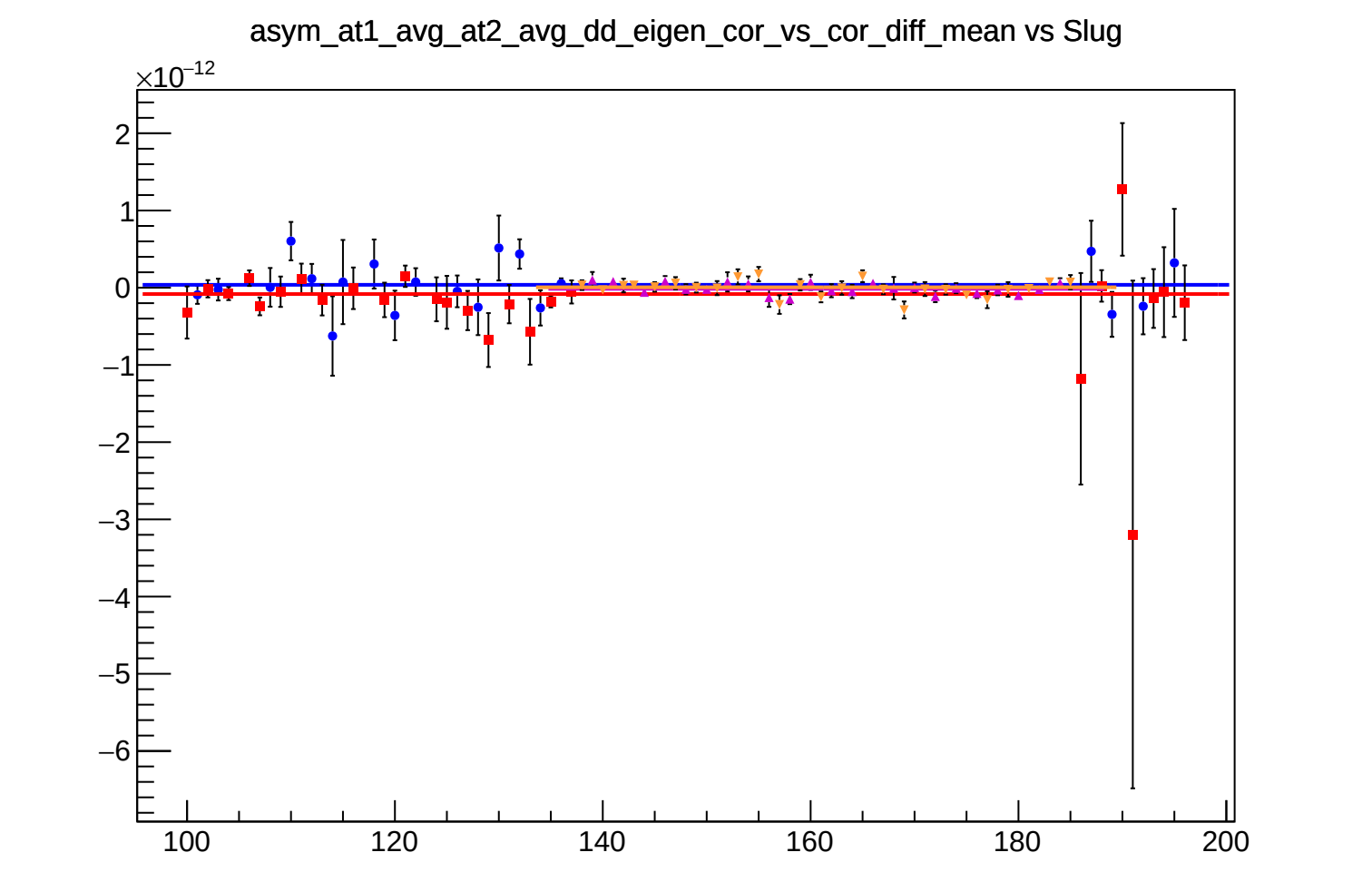
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 181.230+/-0.019 χ^2/NDF: 25444950.1/93

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

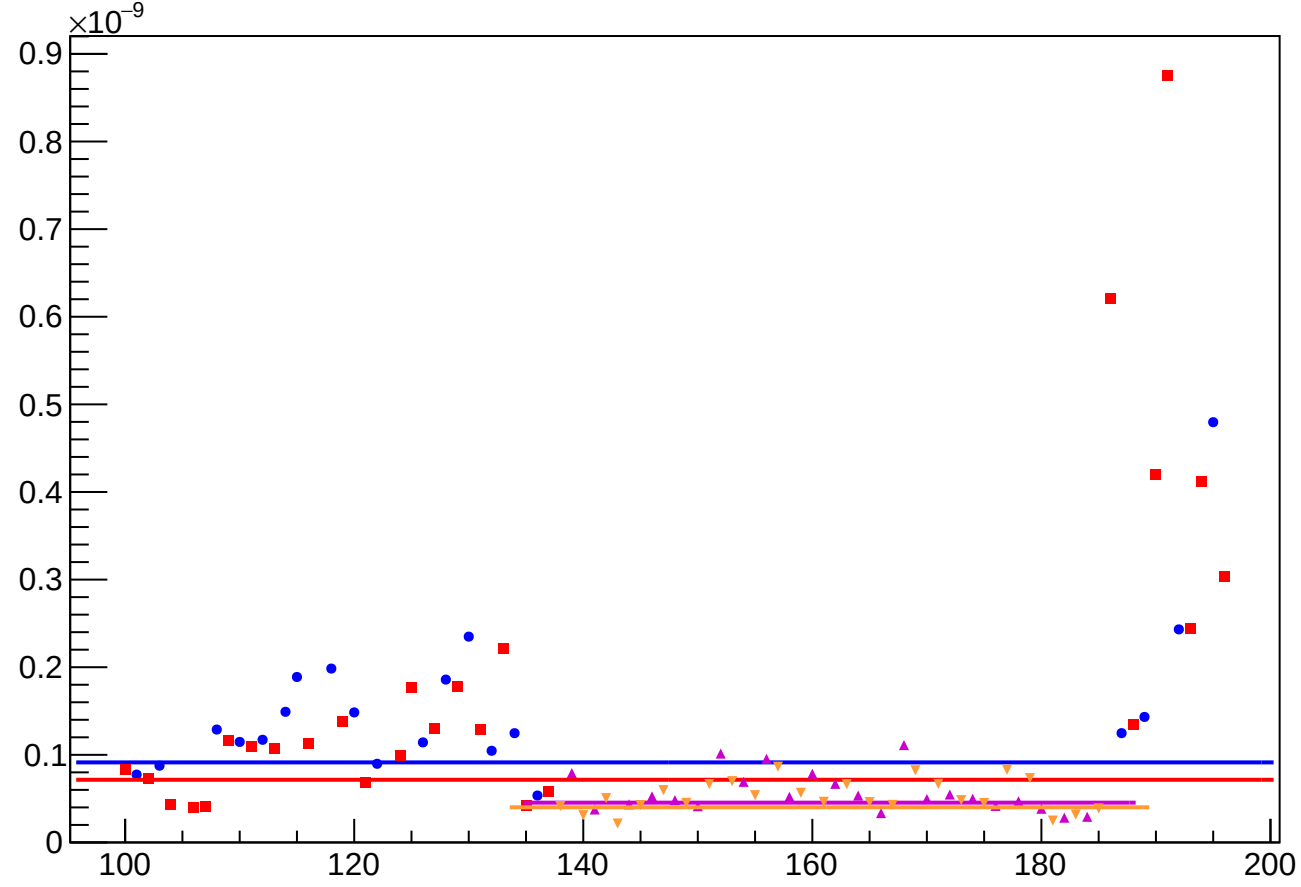
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/44

All: -0.000+/-0.000 χ^2/NDF: 110.2/93

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

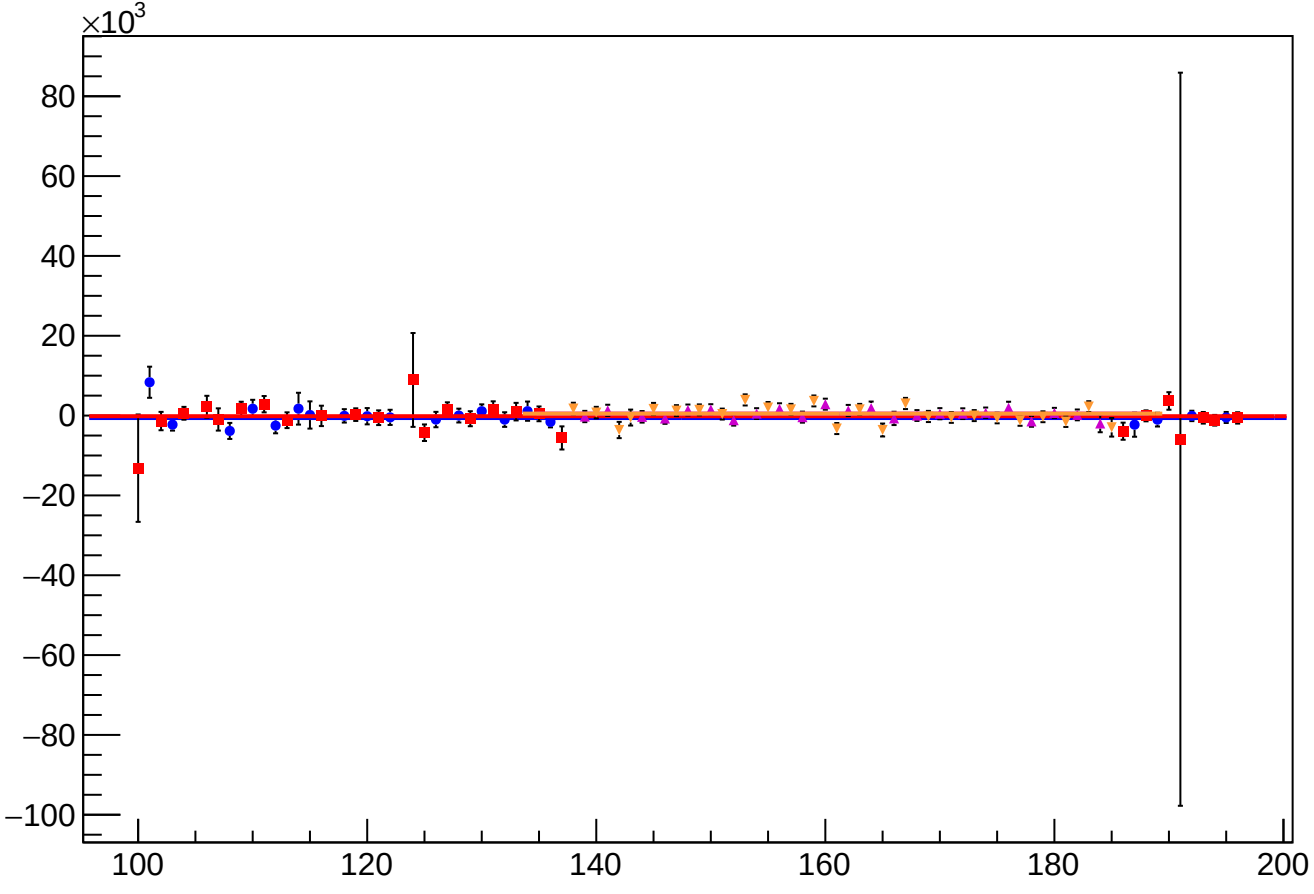
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9030177.6/44

All: 0.000+/-0.000 χ^2/NDF: 17762677.0/93

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

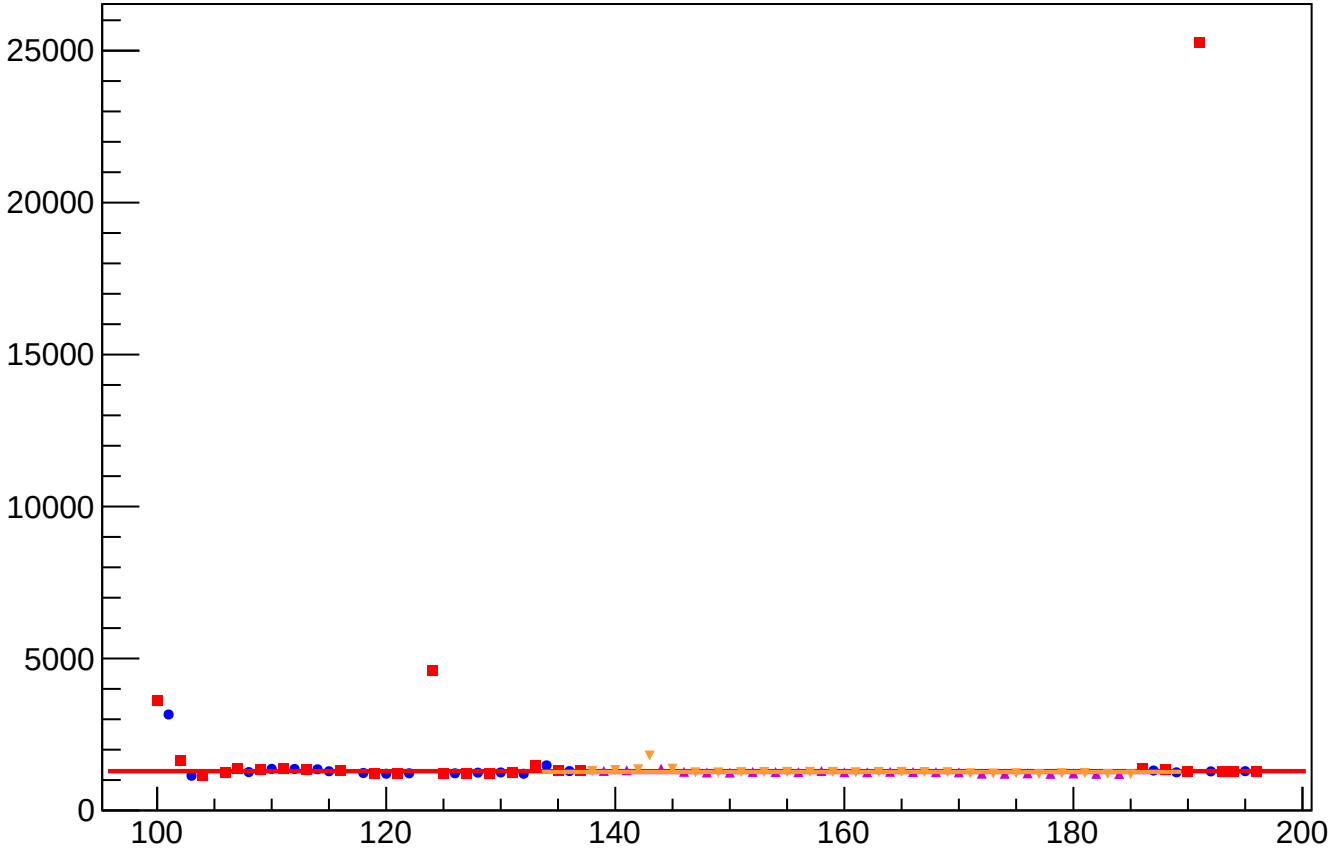
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 193.493+/-166.594 χ^2/NDF: 105.3/93

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

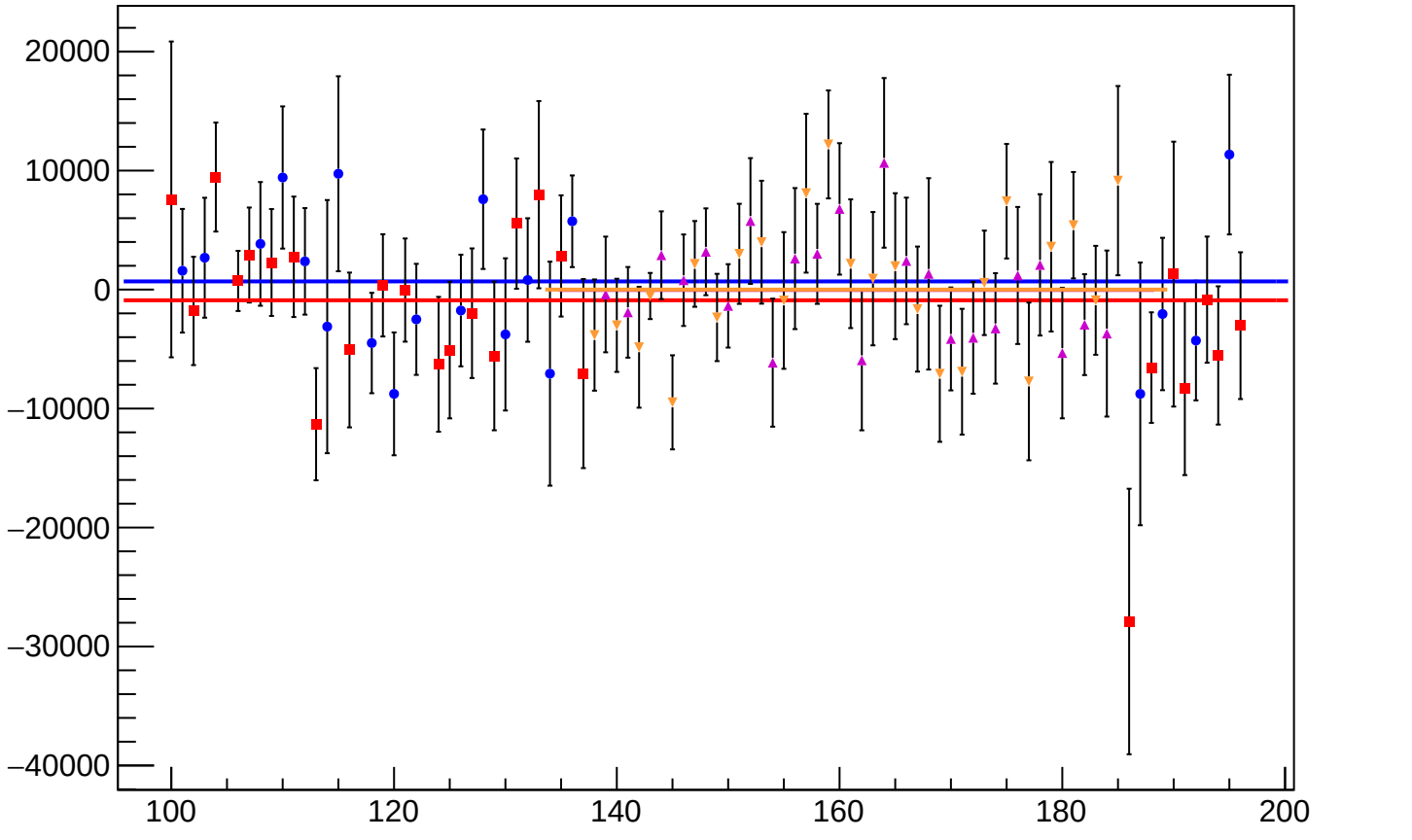
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.526+/-0.118 χ^2/NDF: 1224965.3/93

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

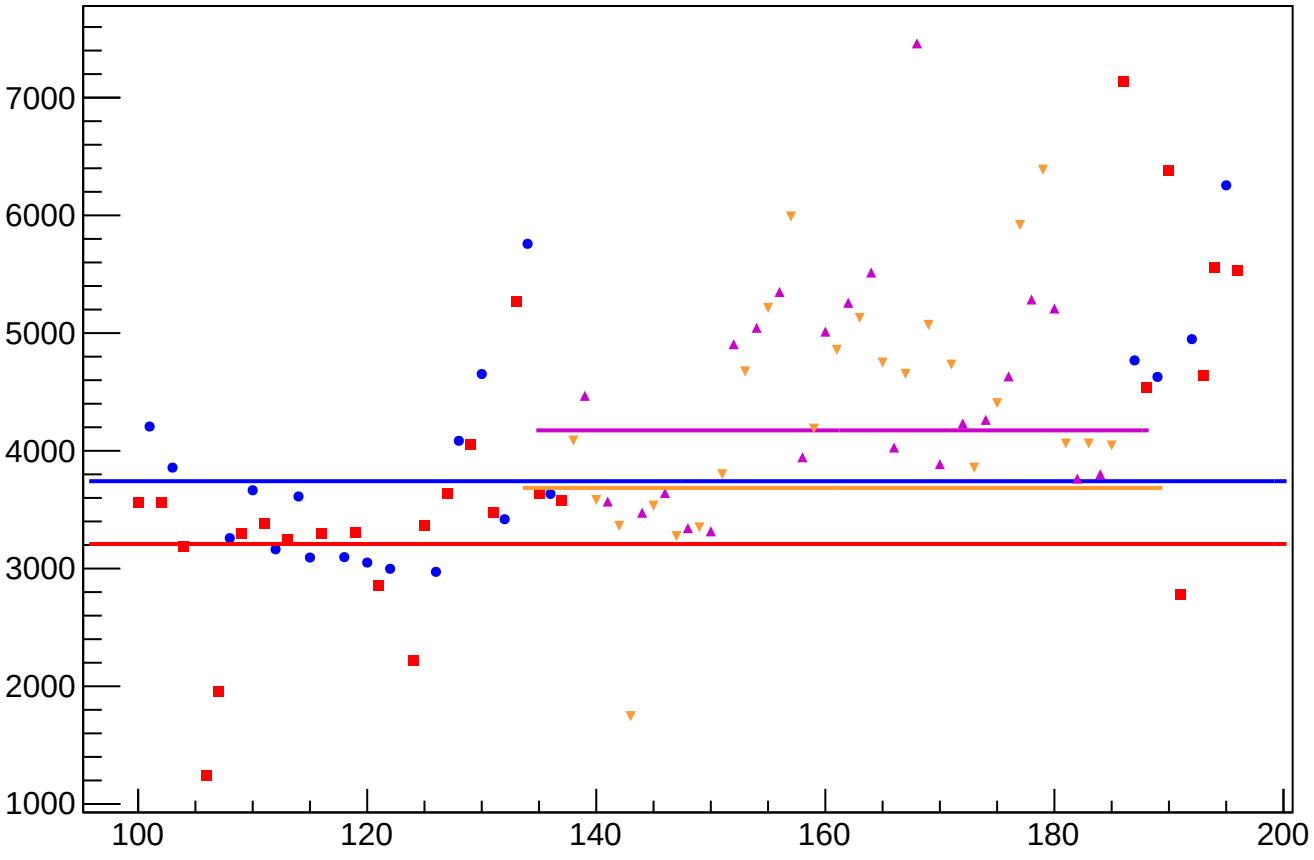
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 235.023+/-718.659 χ^2/NDF: 47.7/44

All: -117.374+/-504.540 χ^2/NDF: 90.9/93

- sign -459.882+/-708.503 χ^2/NDF: 42.7/48



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

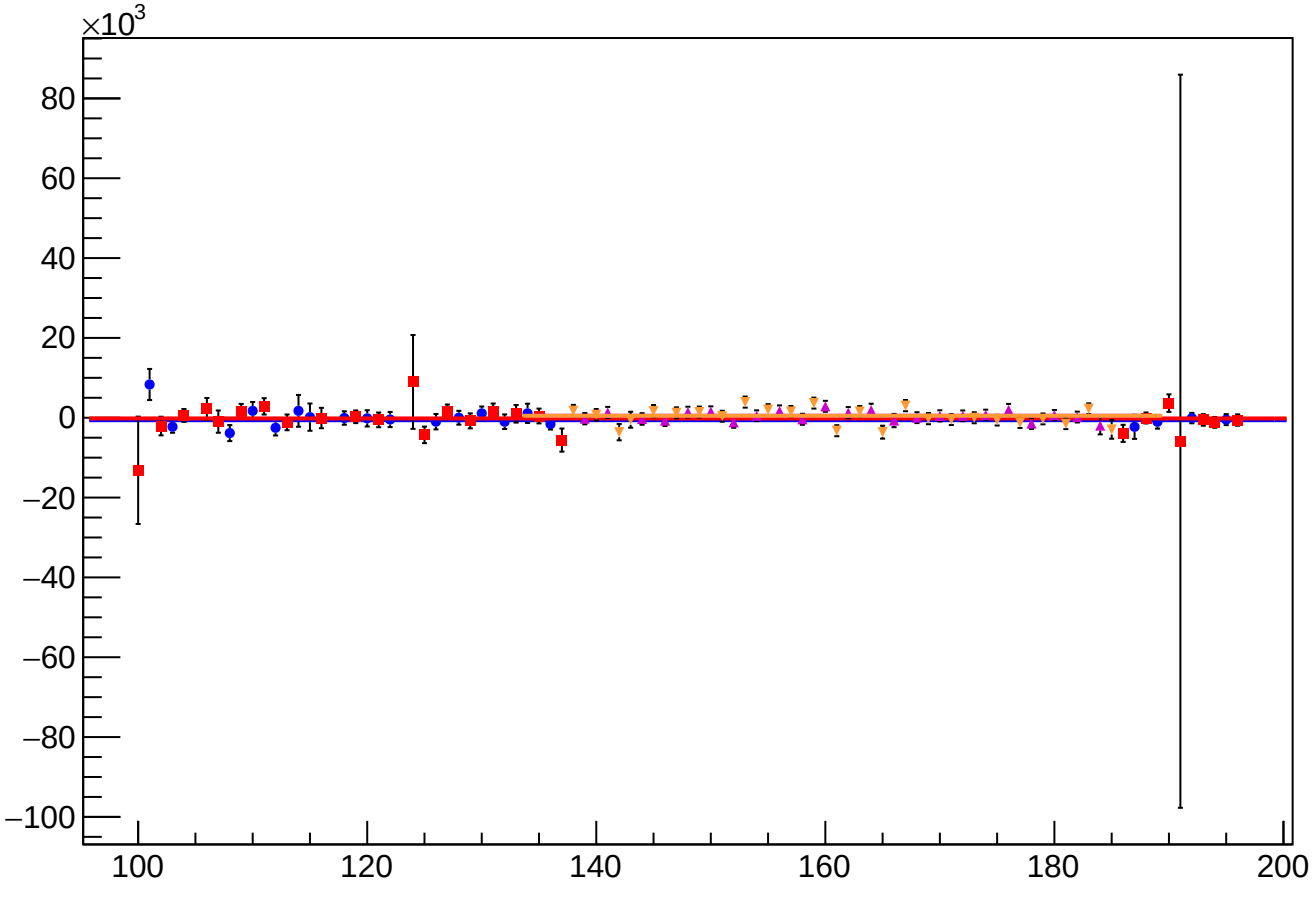
Right Out: 3208.734+/-0.713 χ^2/NDF: 3048047.1/25

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3700.938+/-0.357 χ^2/NDF: 9814535.2/93

- sign 3697.589+/-0.501 χ^2/NDF: 5250067.8/48



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

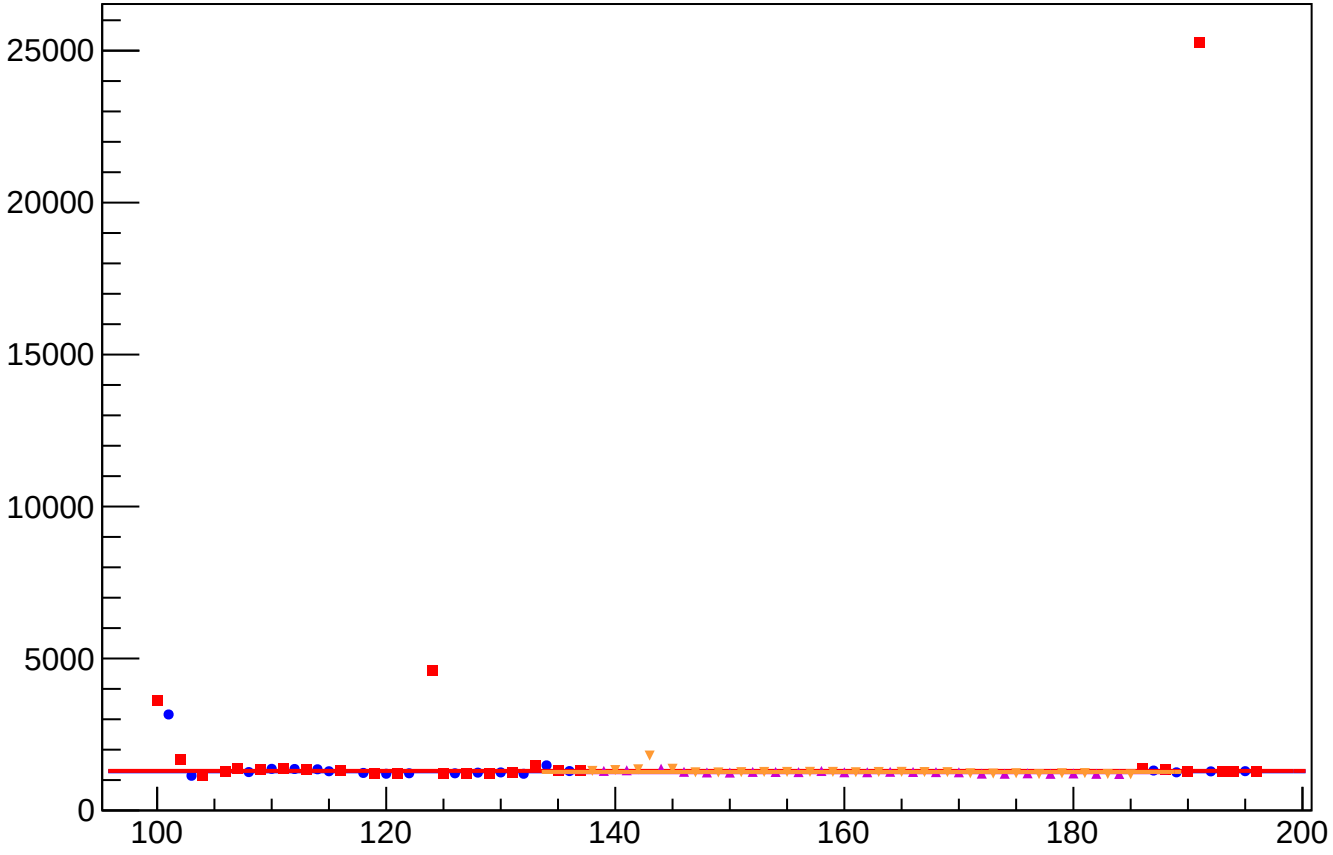
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

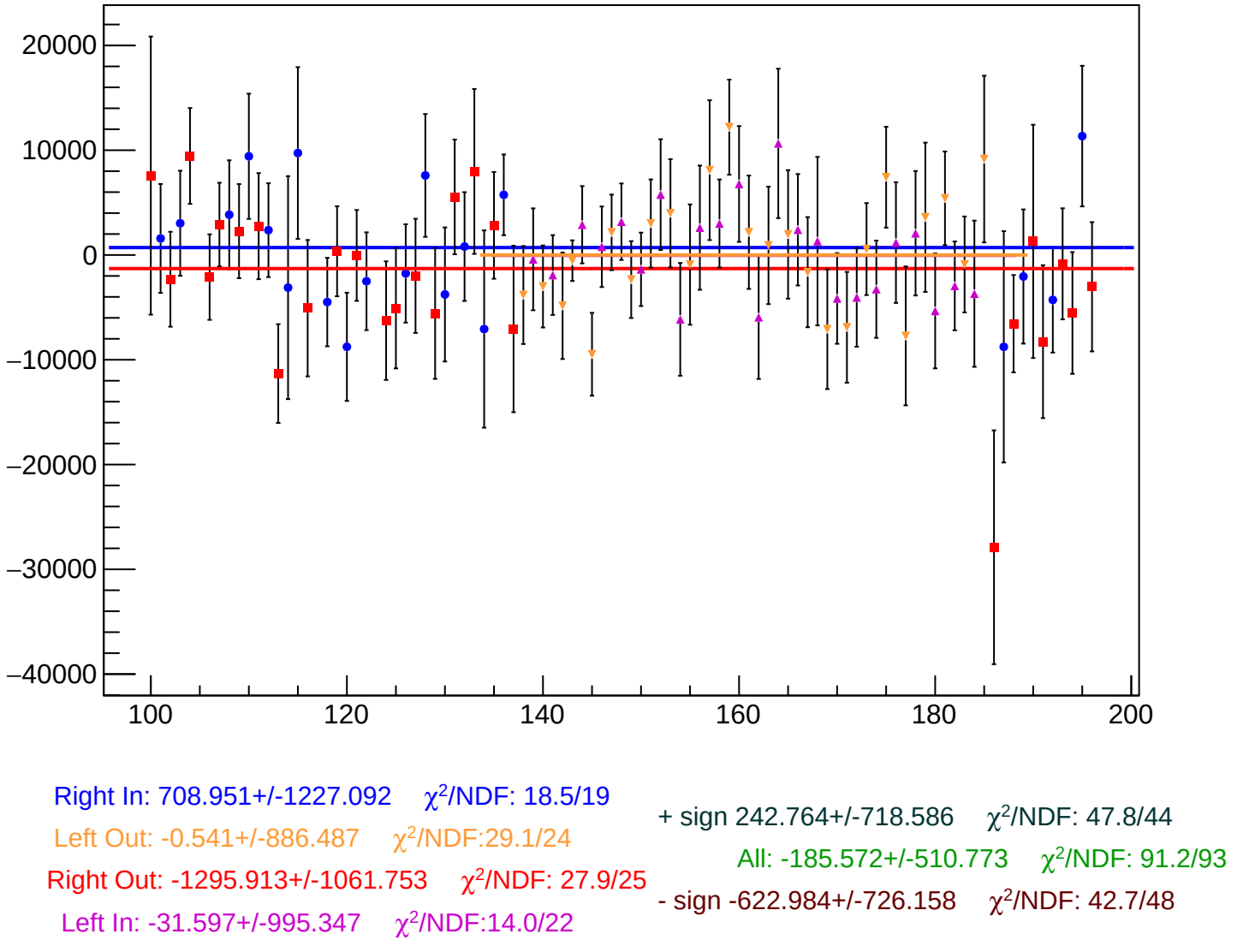
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

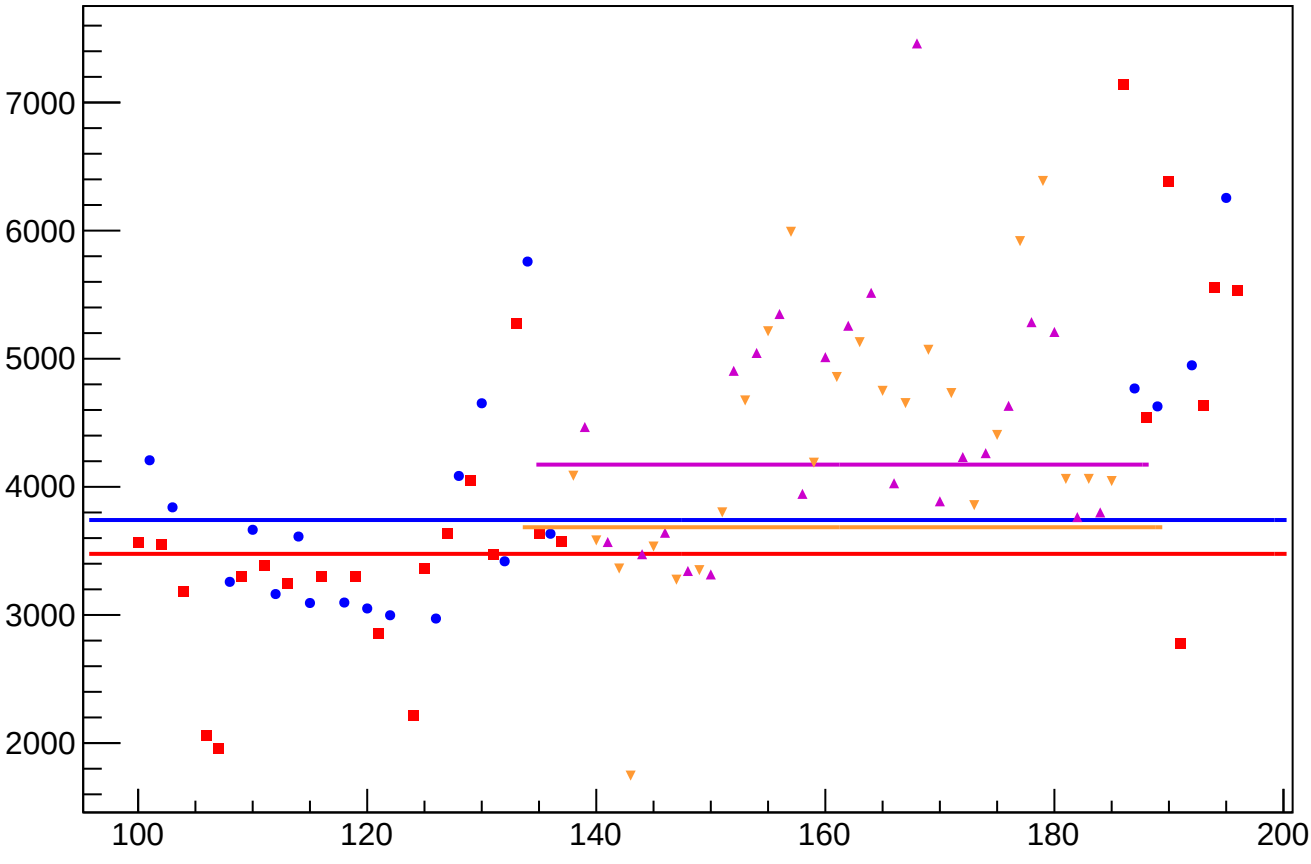
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 708.951+/-1227.092 χ²/NDF: 18.5/19
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 242.764+/-718.586 χ²/NDF: 47.8/44
All: -185.572+/-510.773 χ²/NDF: 91.2/93
- sign -622.984+/-726.158 χ²/NDF: 42.7/48



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

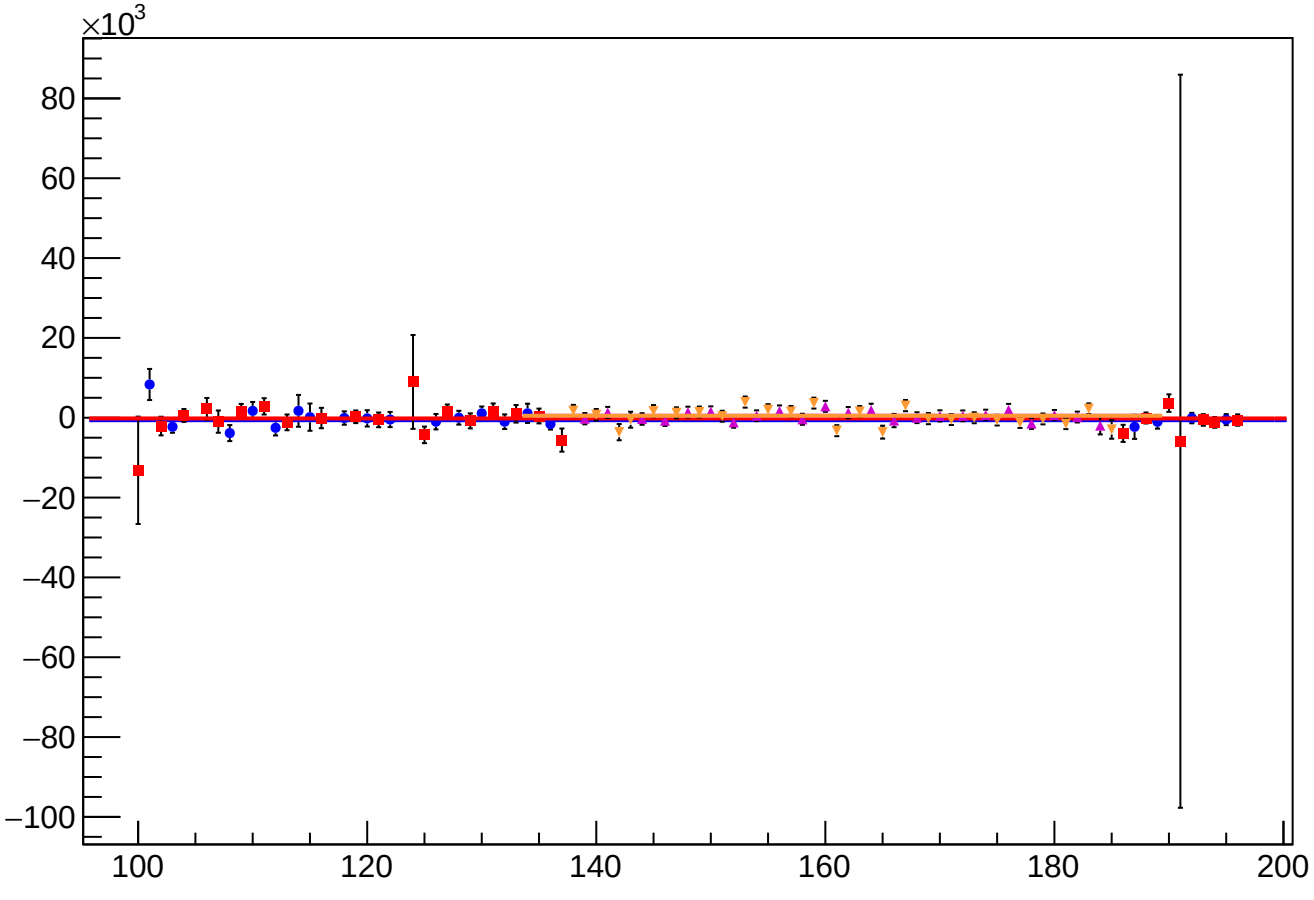
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

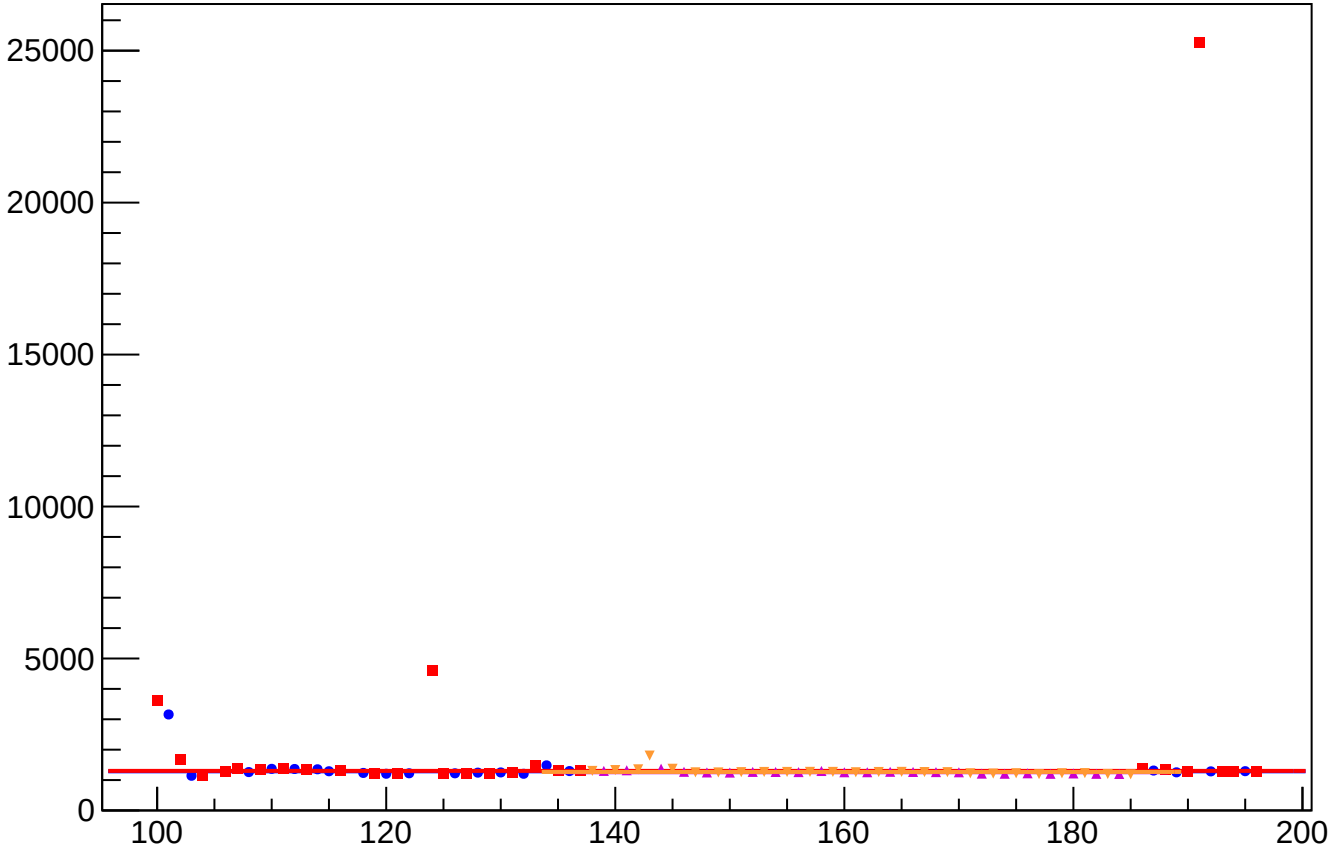
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 190.063+/-166.607 χ^2/NDF: 105.8/93

\- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

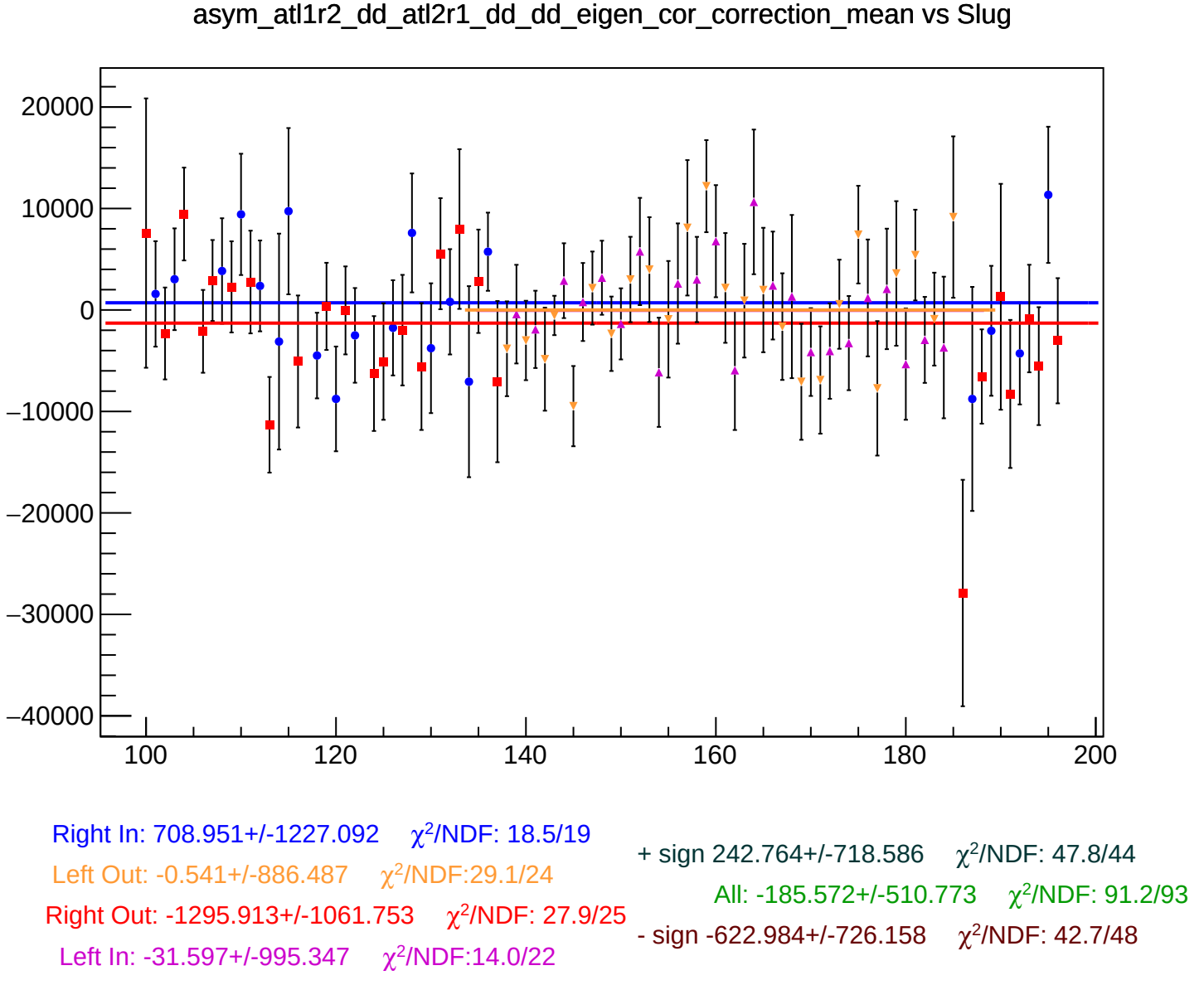
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

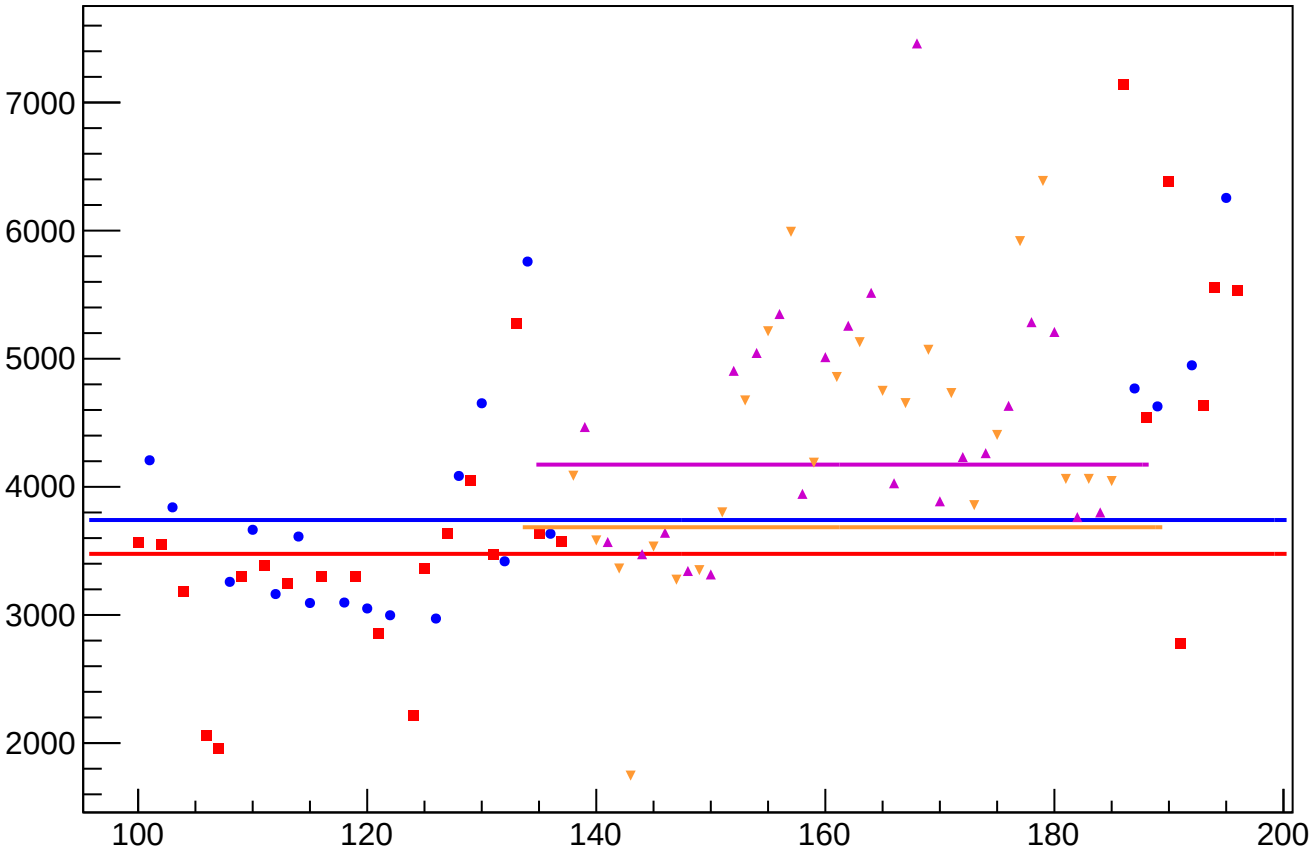
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.755+/-0.118 χ^2/NDF: 1232374.2/93

- 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: 708.951+/-1227.092 χ²/NDF: 18.5/19
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 242.764+/-718.586 χ²/NDF: 47.8/44
All: -185.572+/-510.773 χ²/NDF: 91.2/93
- sign -622.984+/-726.158 χ²/NDF: 42.7/48



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

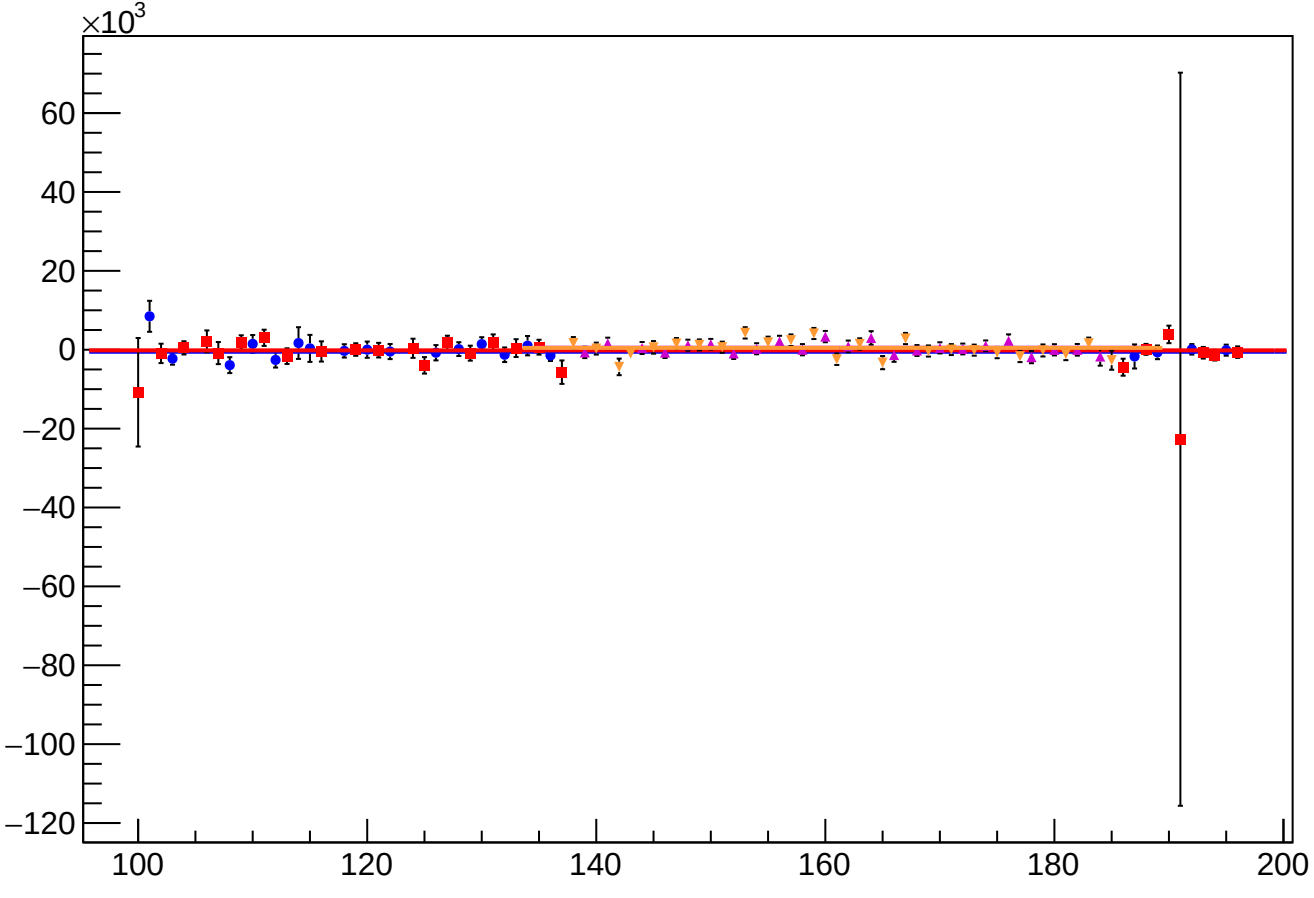
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3775.135+/-0.361 χ^2/NDF: 8204864.4/93

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

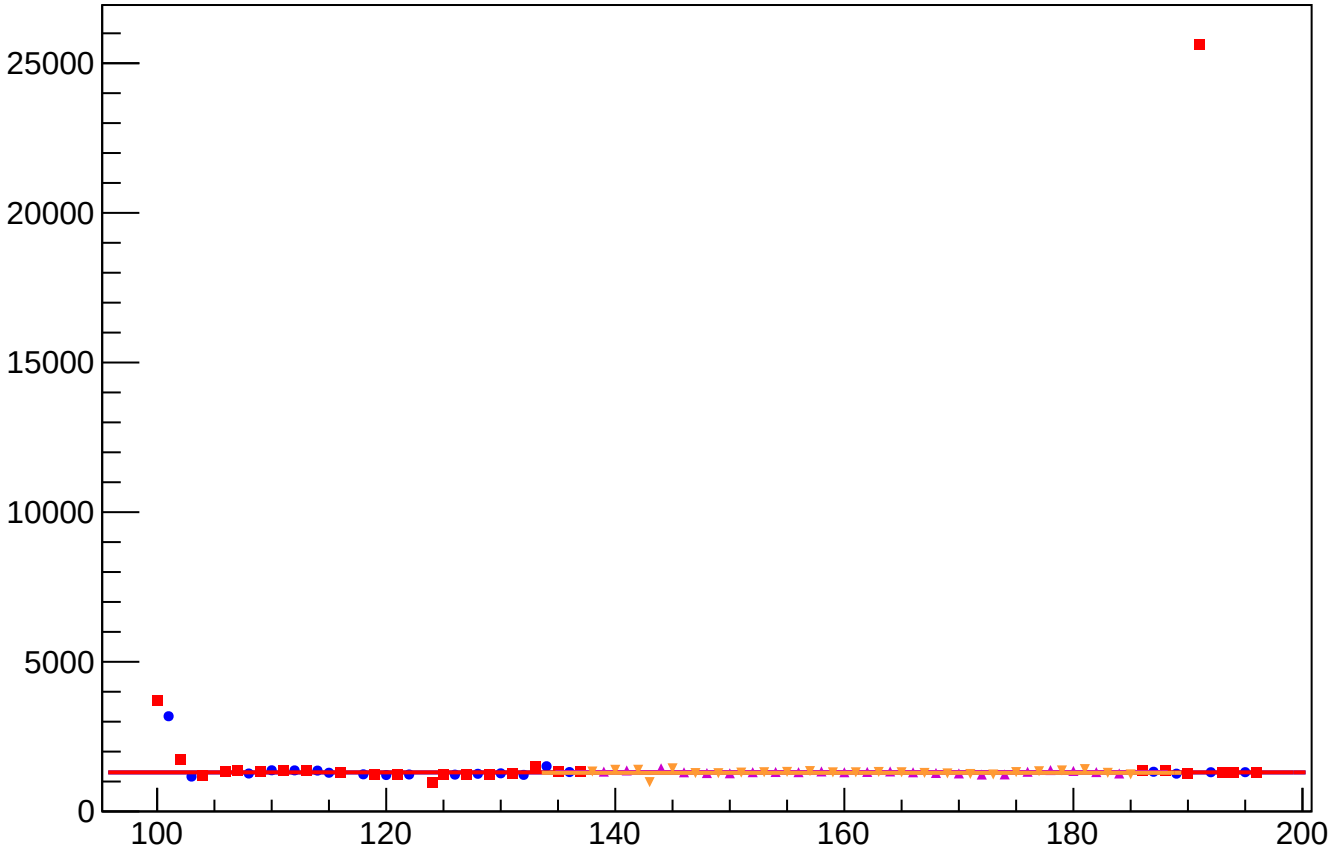
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 197.854+/-170.448 χ^2/NDF: 105.2/93

\- sign 248.936+/-240.692 χ^2/NDF: 42.8/48

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

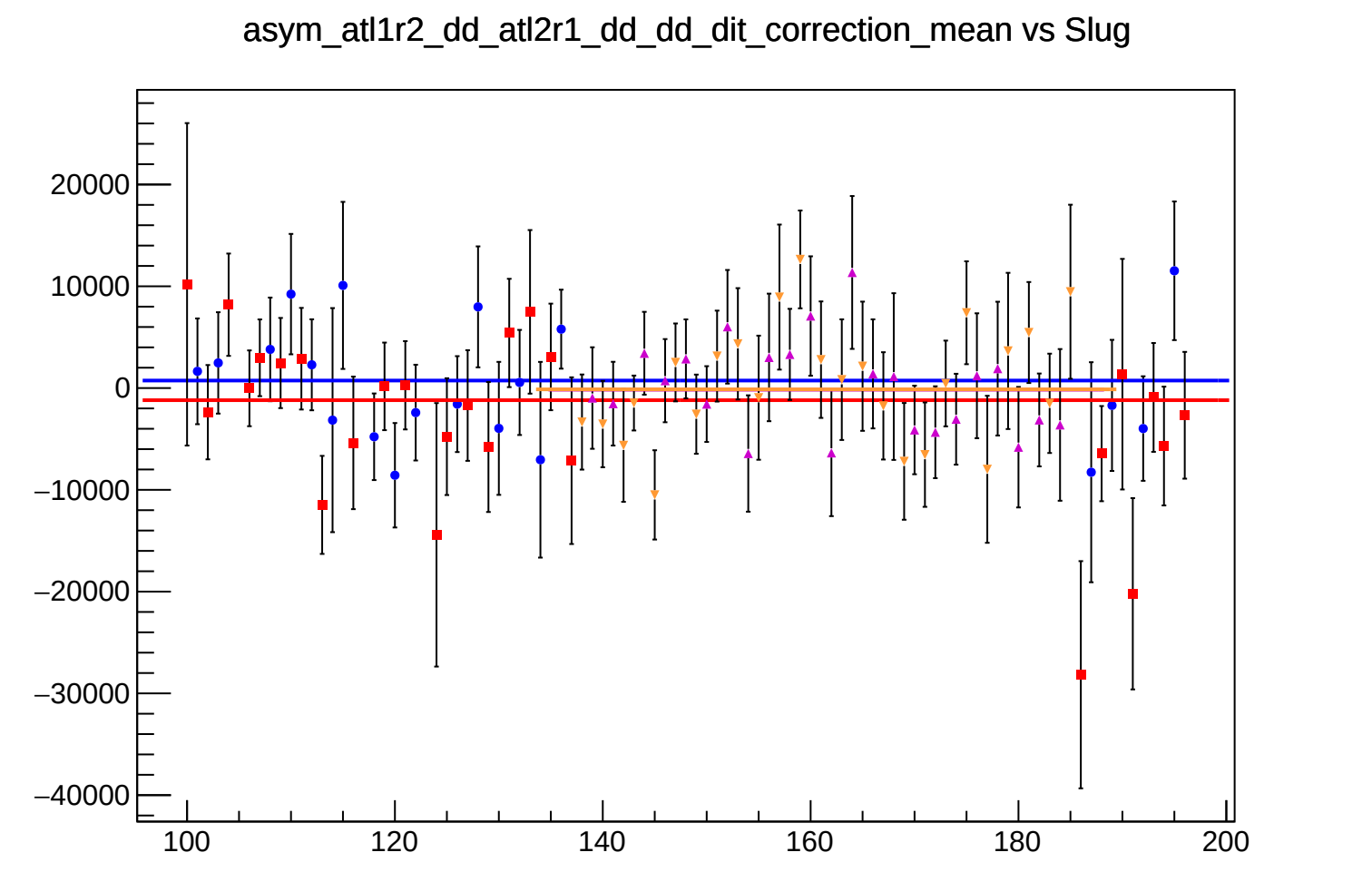
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1303.181+/-0.121 χ^2/NDF: 1151926.1/93

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

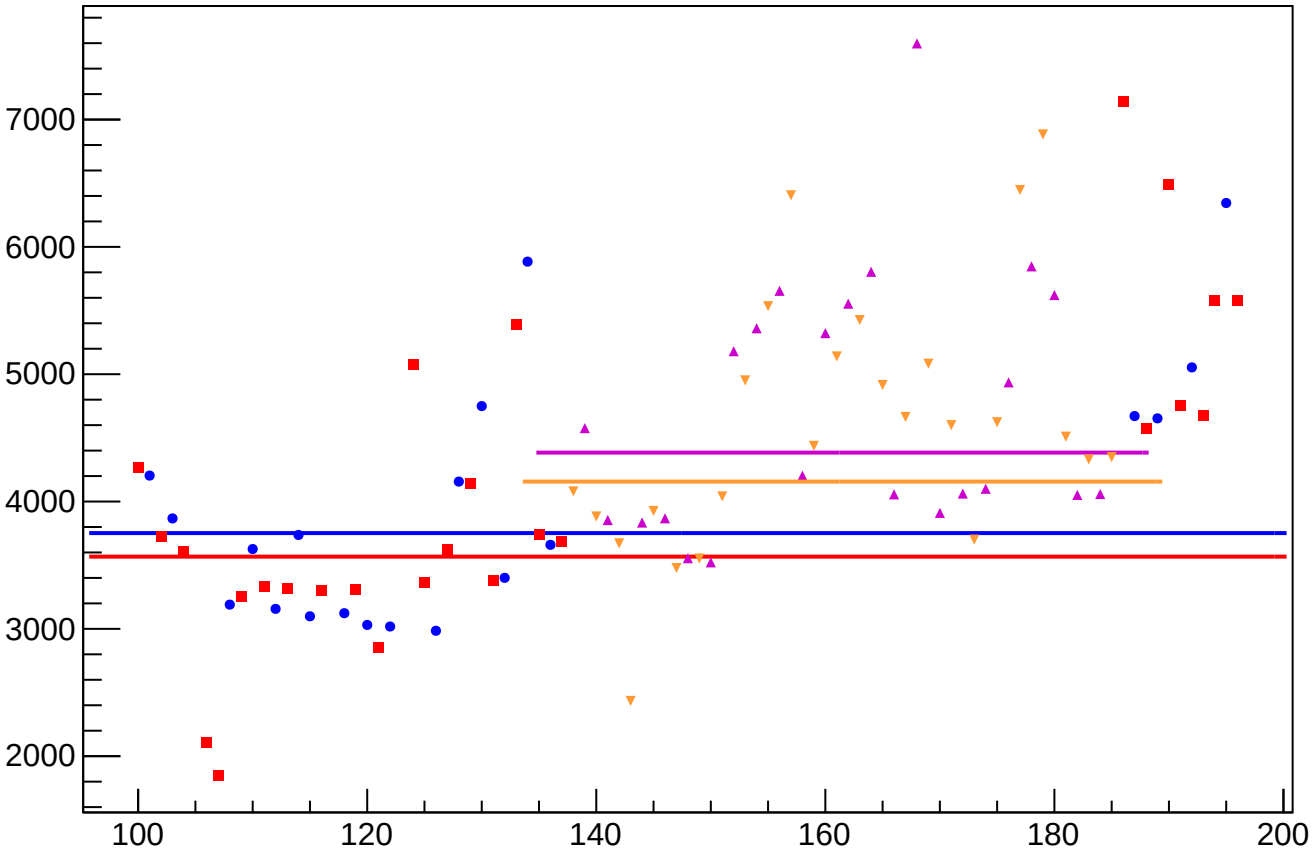
Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

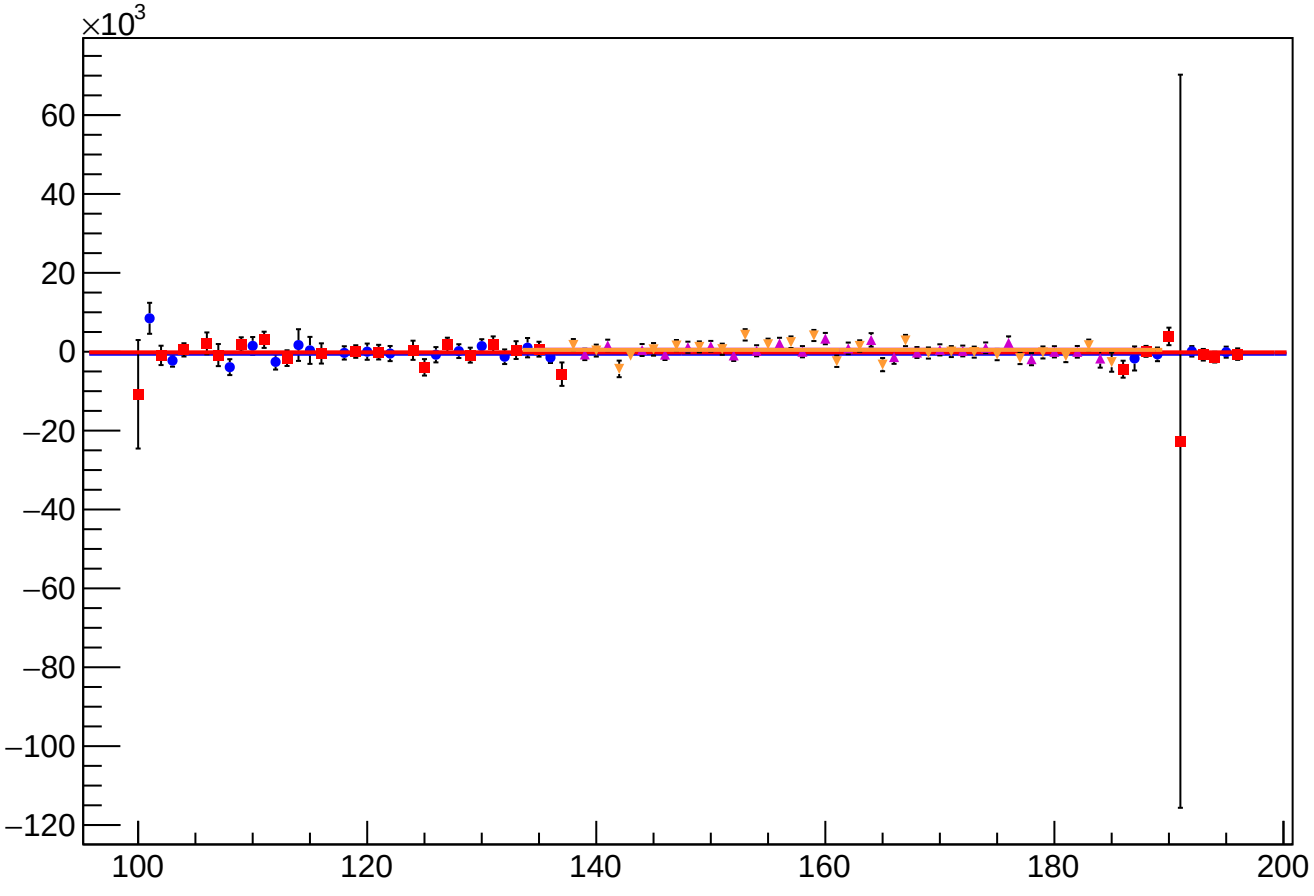
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3994.553+/-0.379 χ^2/NDF: 6932032.2/93

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

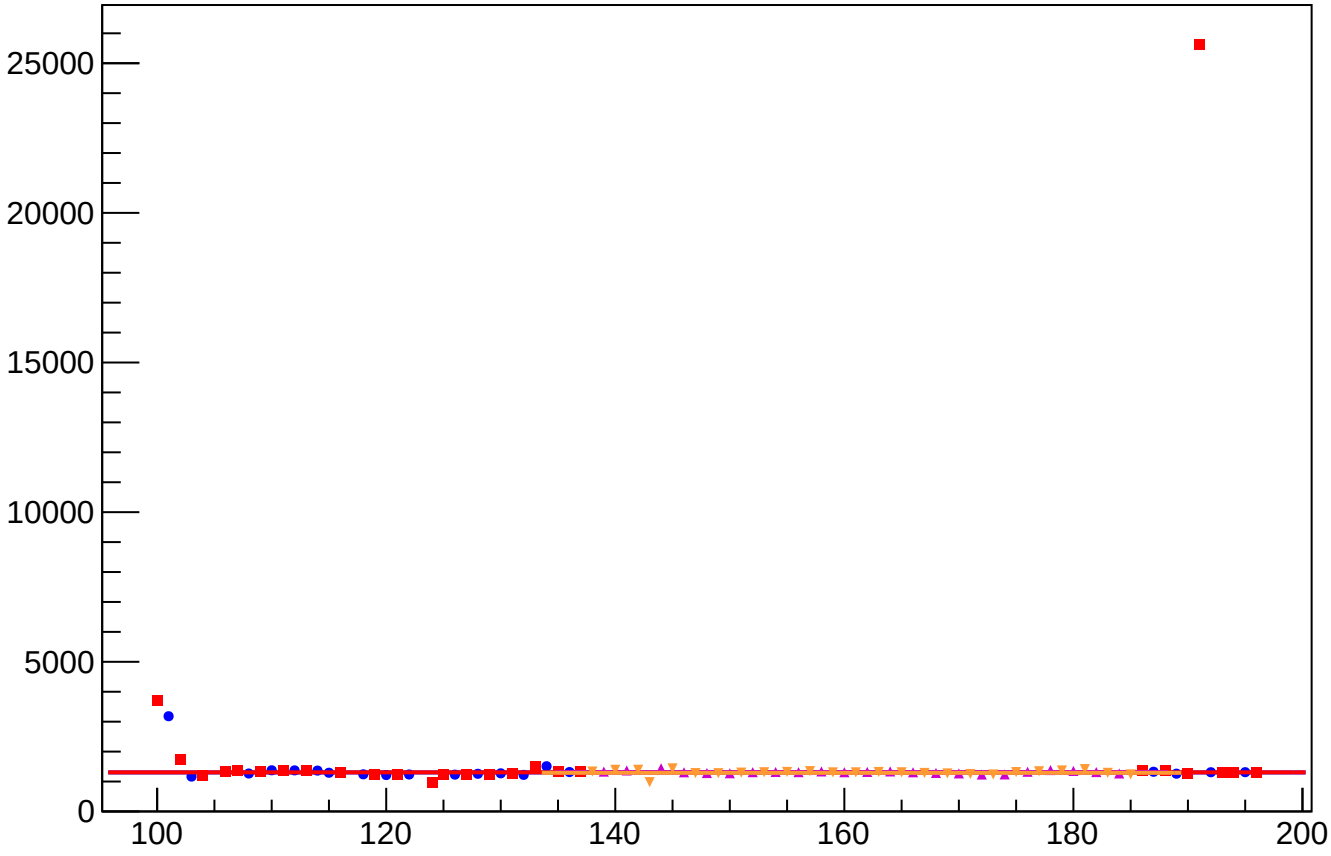
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 197.856+/-170.448 χ^2/NDF: 105.2/93

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

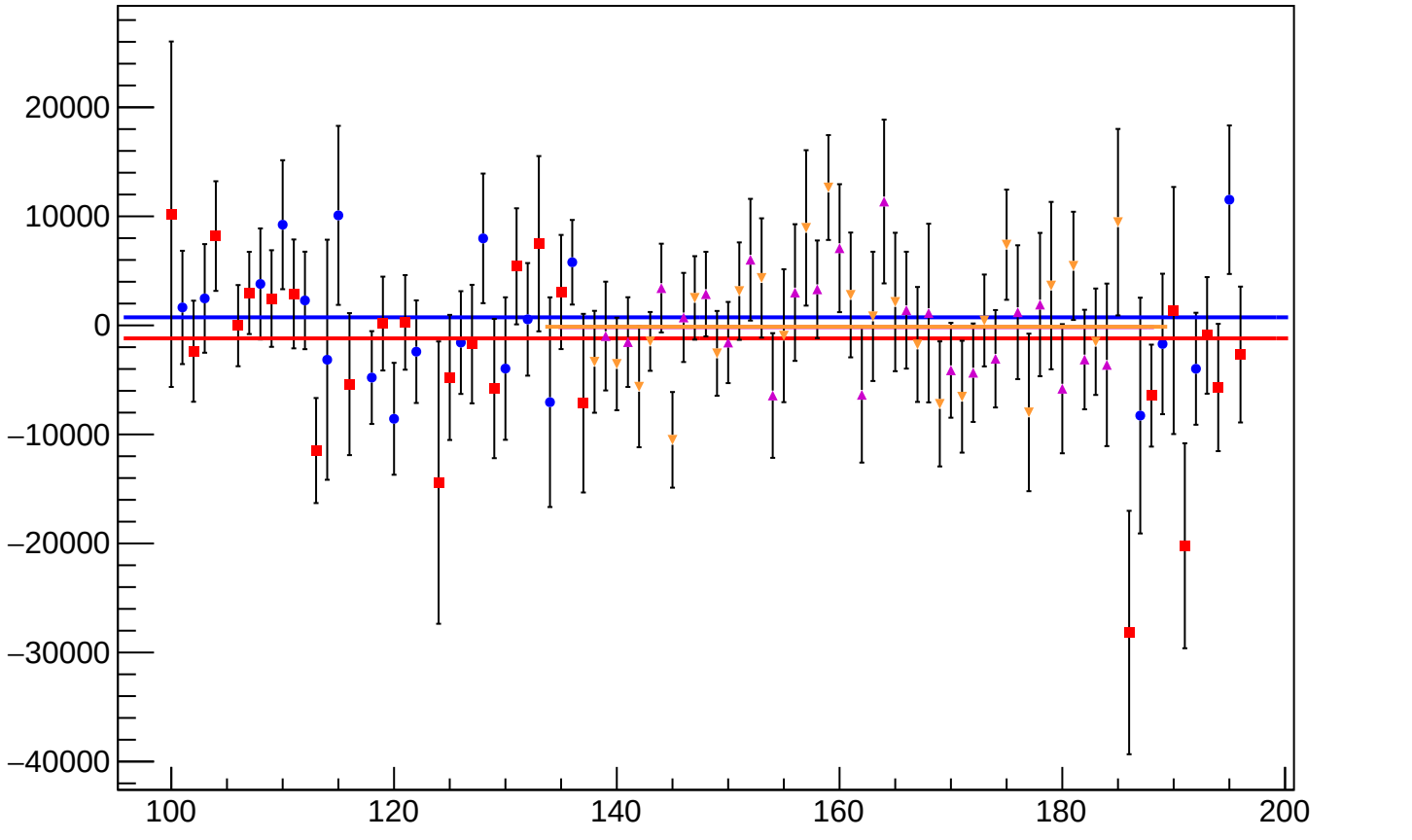
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1303.182+/-0.121 χ^2/NDF: 1151930.9/93

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

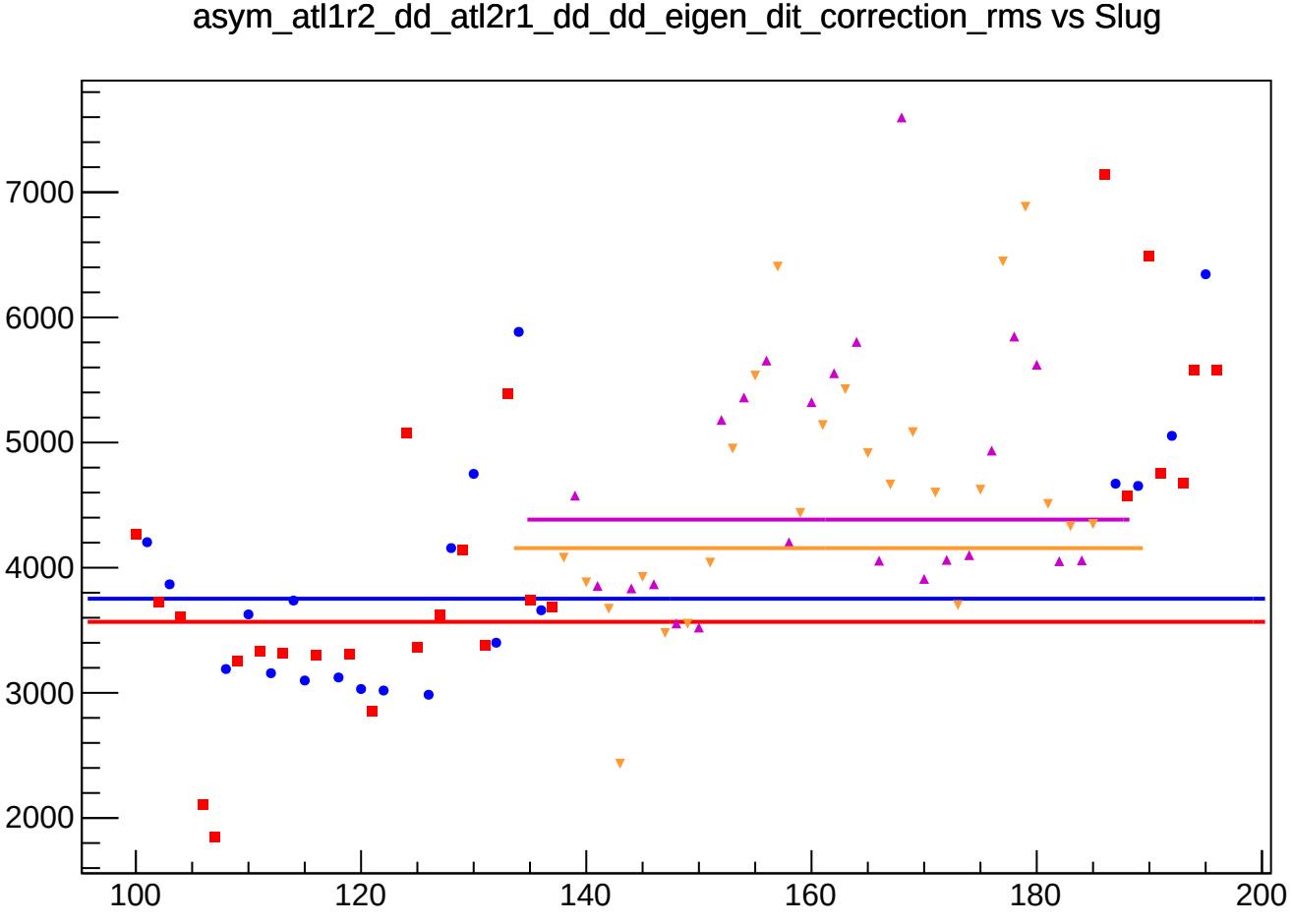
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 207.502+/-765.434 χ^2/NDF: 47.2/44

All: -233.785+/-536.128 χ^2/NDF: 91.8/93

- sign -658.773+/-751.166 χ^2/NDF: 43.9/48



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3567.219+/-0.764 χ^2/NDF: 1961465.1/25

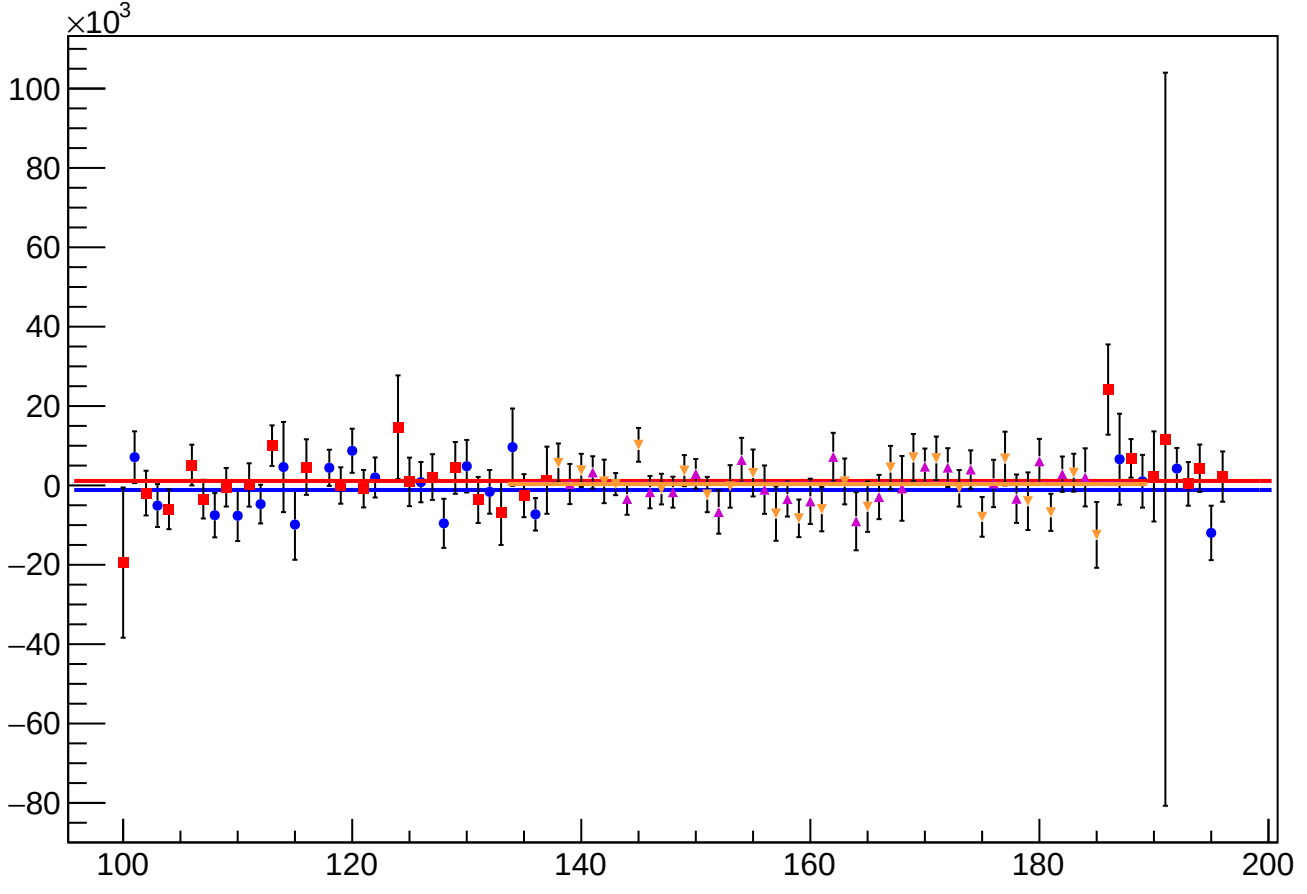
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3994.552+/-0.379 χ^2/NDF: 6932096.0/93

- sign 3989.007+/-0.531 χ^2/NDF: 3807963.0/48

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

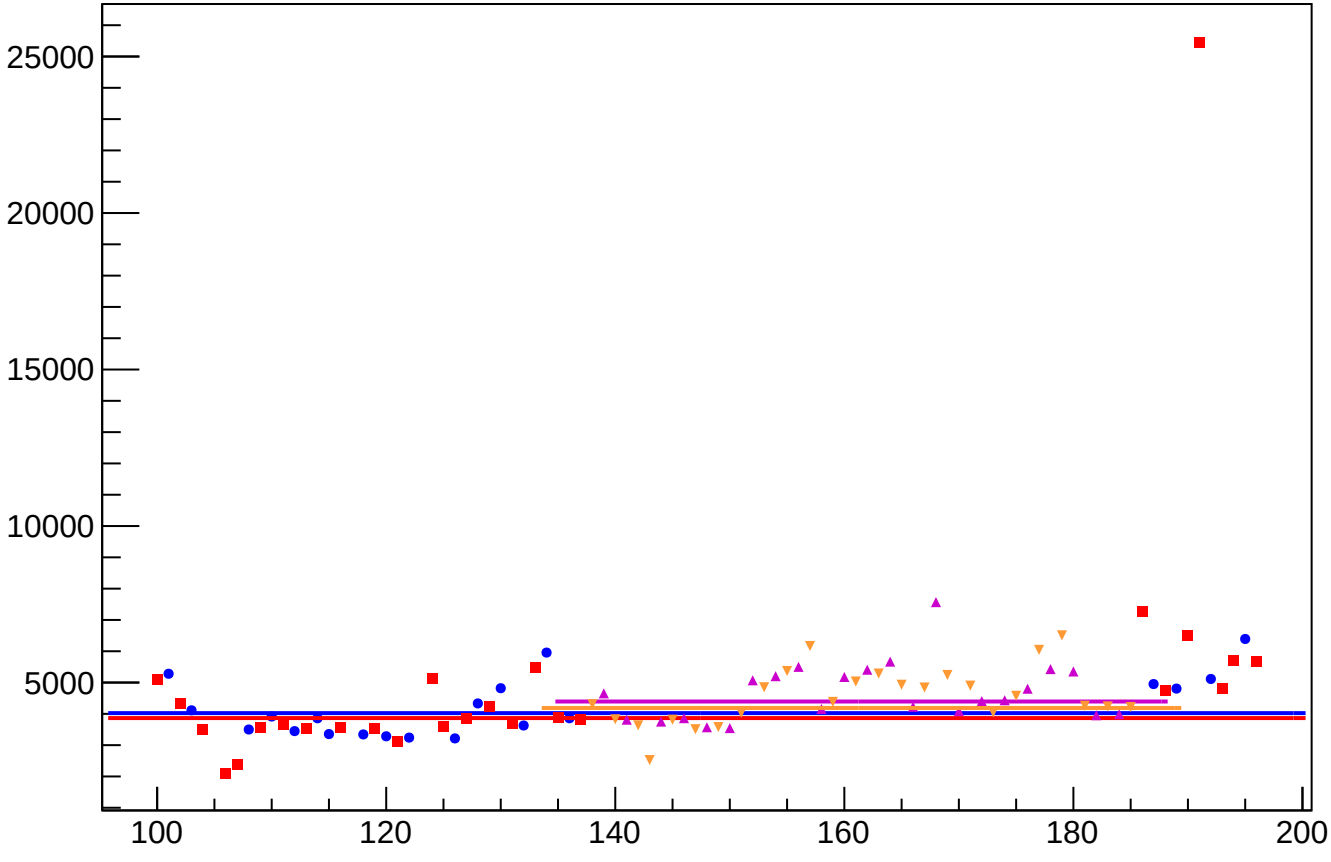
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 299.287+/-555.679 χ^2/NDF: 83.0/93

\- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4022.872+/-0.931 χ^2/NDF: 805994.9/19

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

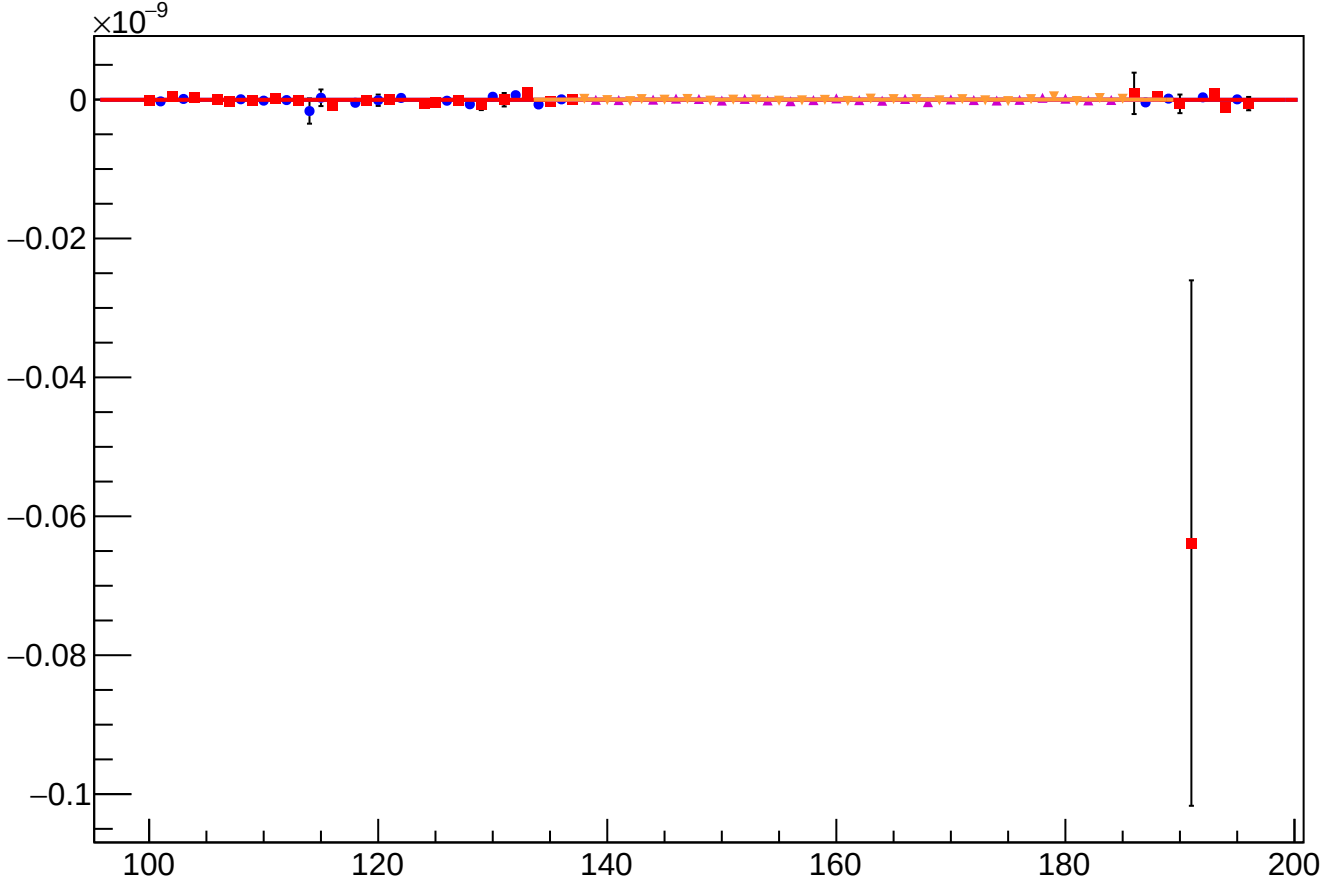
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4145.314+/-0.392 χ^2/NDF: 5569868.9/93

- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

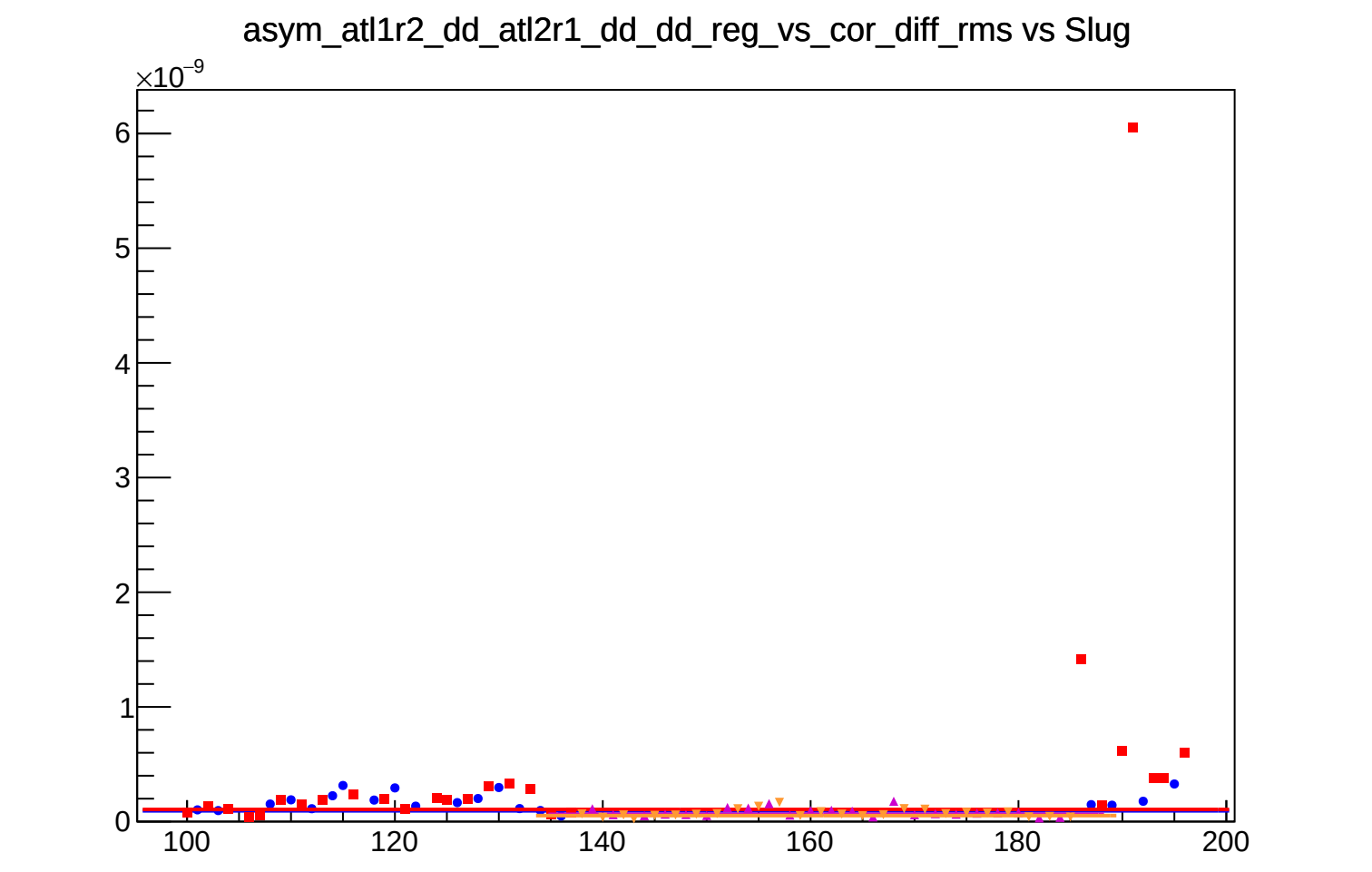
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/44

All: -0.000+/-0.000 χ^2/NDF: 92.2/93

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1819721.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

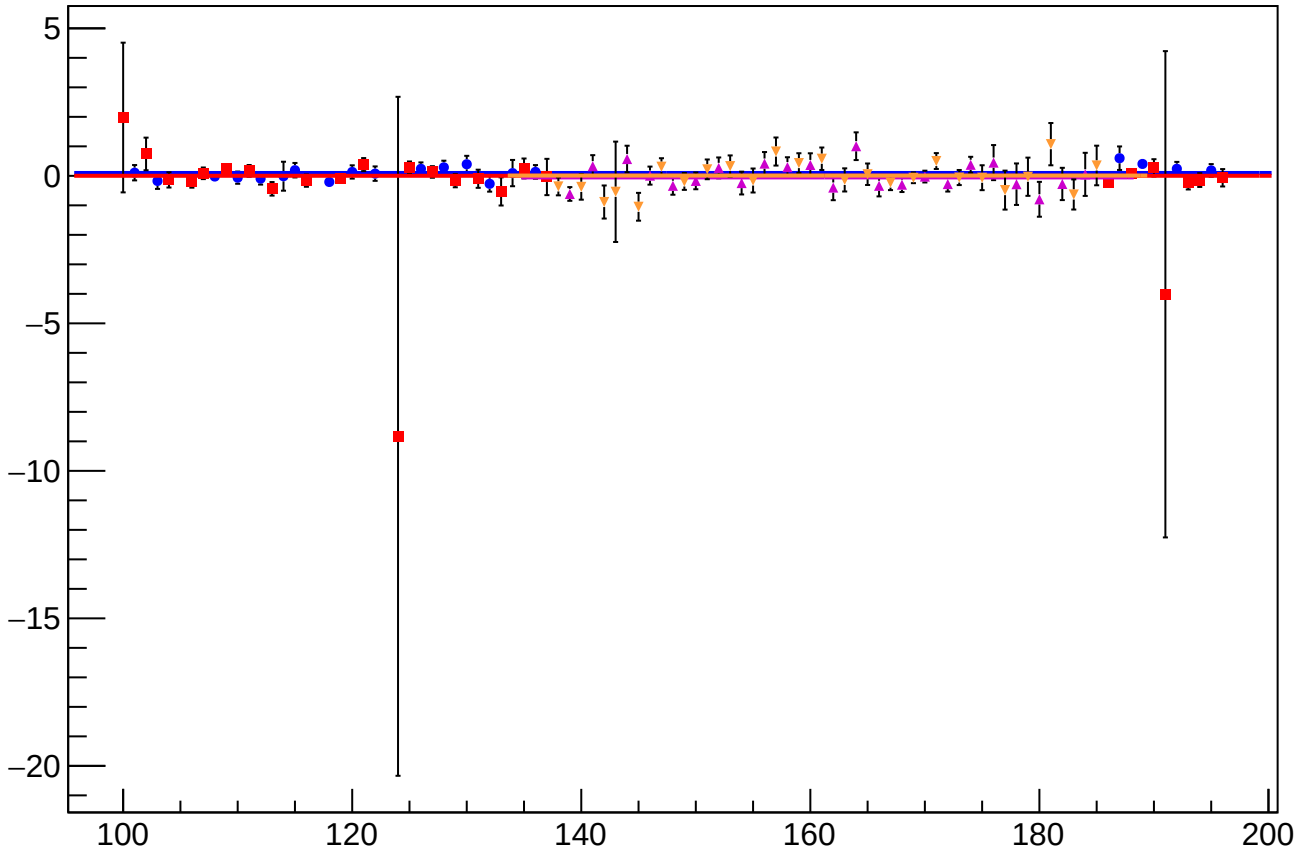
Right Out: 0.000+/-0.000 χ^2/NDF: 3757970.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5361395.0/44

All: 0.000+/-0.000 χ^2/NDF: 11988582.7/93

- sign 0.000+/-0.000 χ^2/NDF: 6345811.2/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

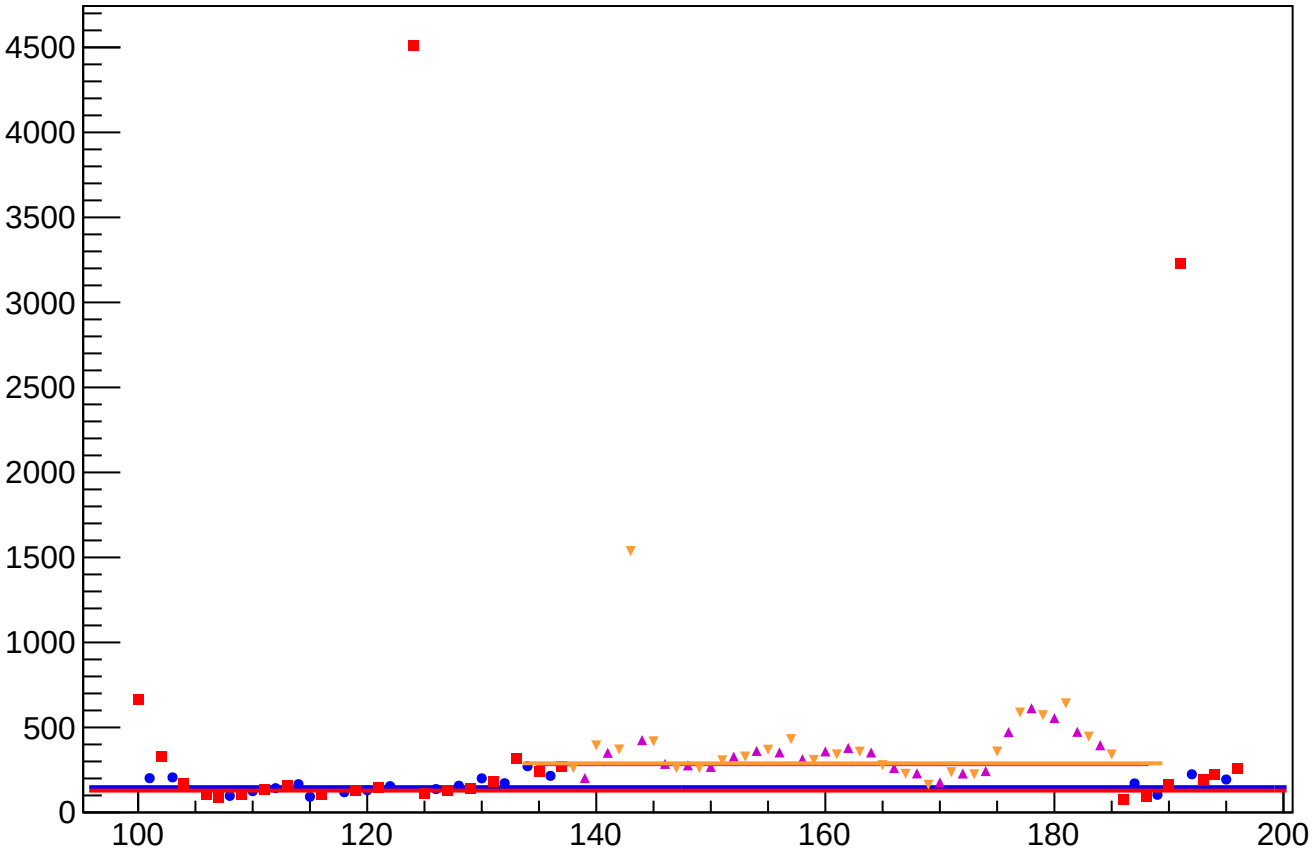
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

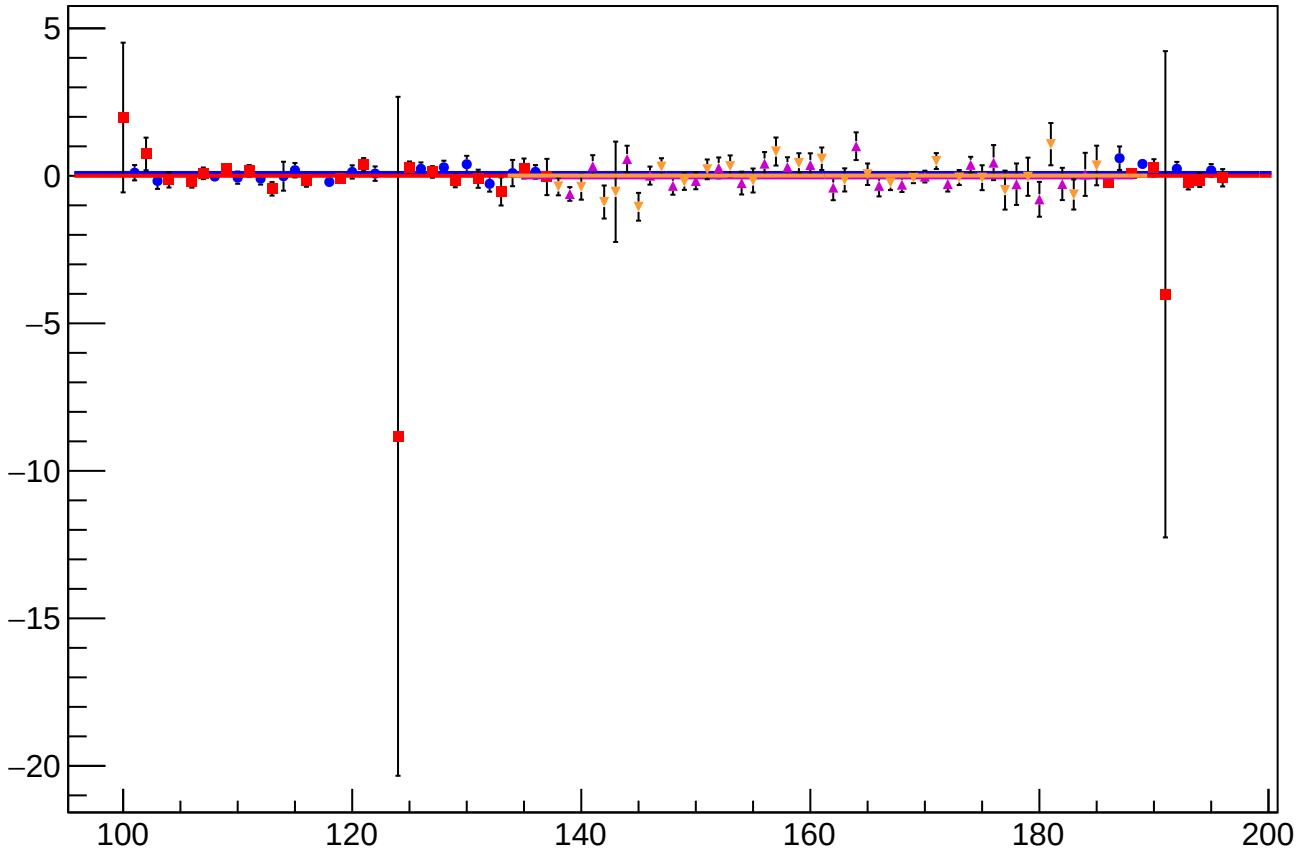
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 181.229+/-0.019 χ^2/NDF: 25445022.6/93

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

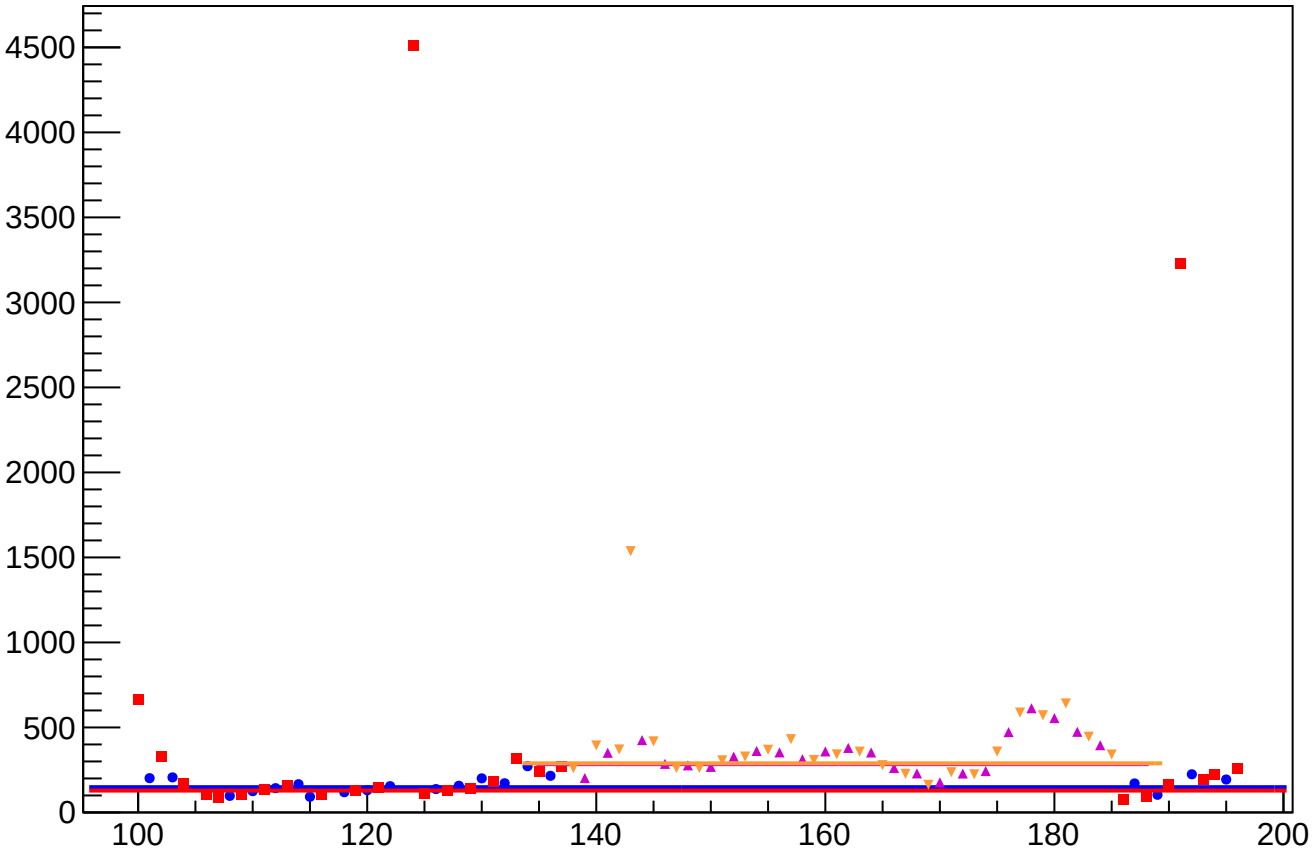
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

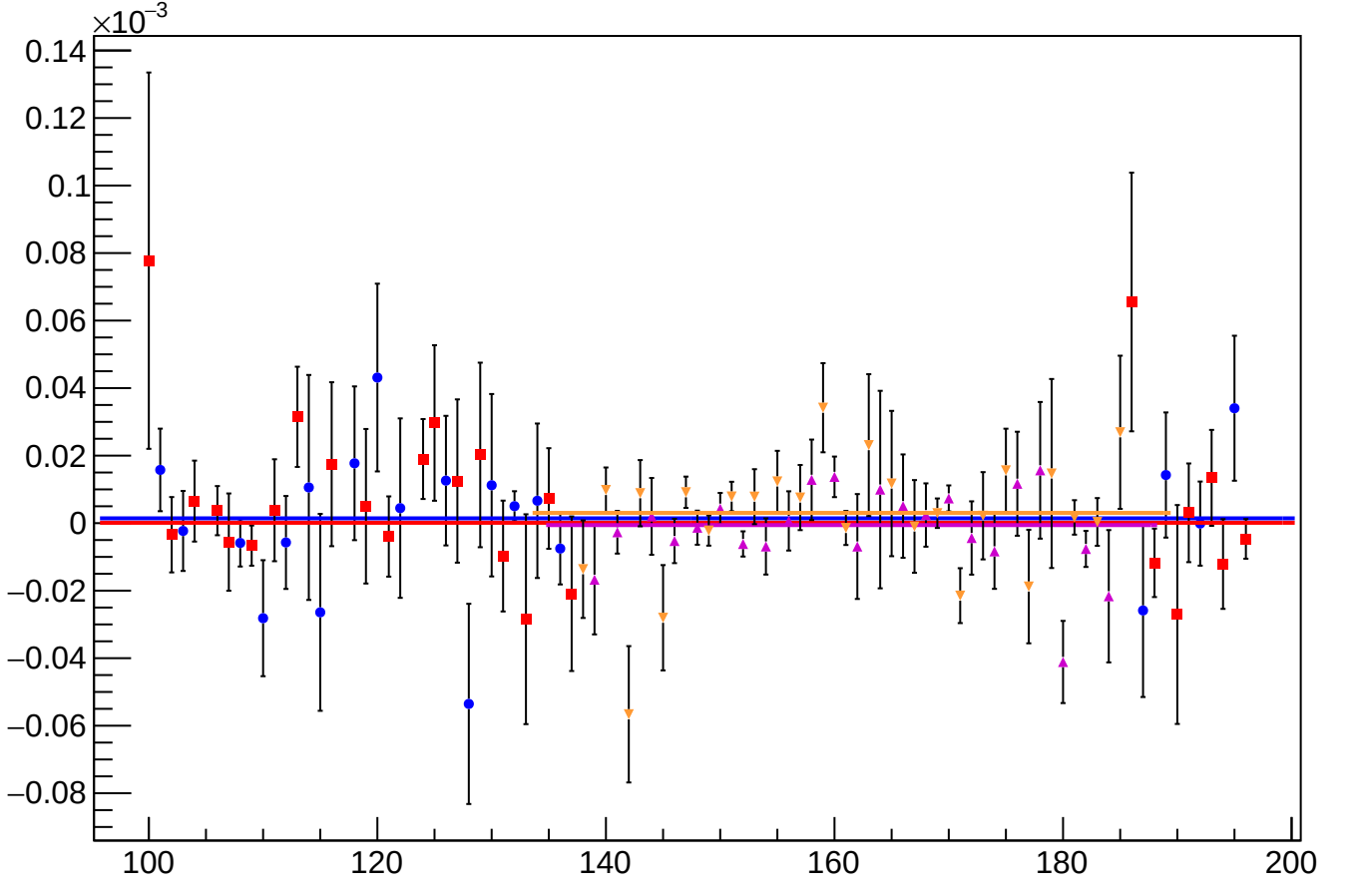
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 181.229+/-0.019 χ^2/NDF: 25445022.6/93

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

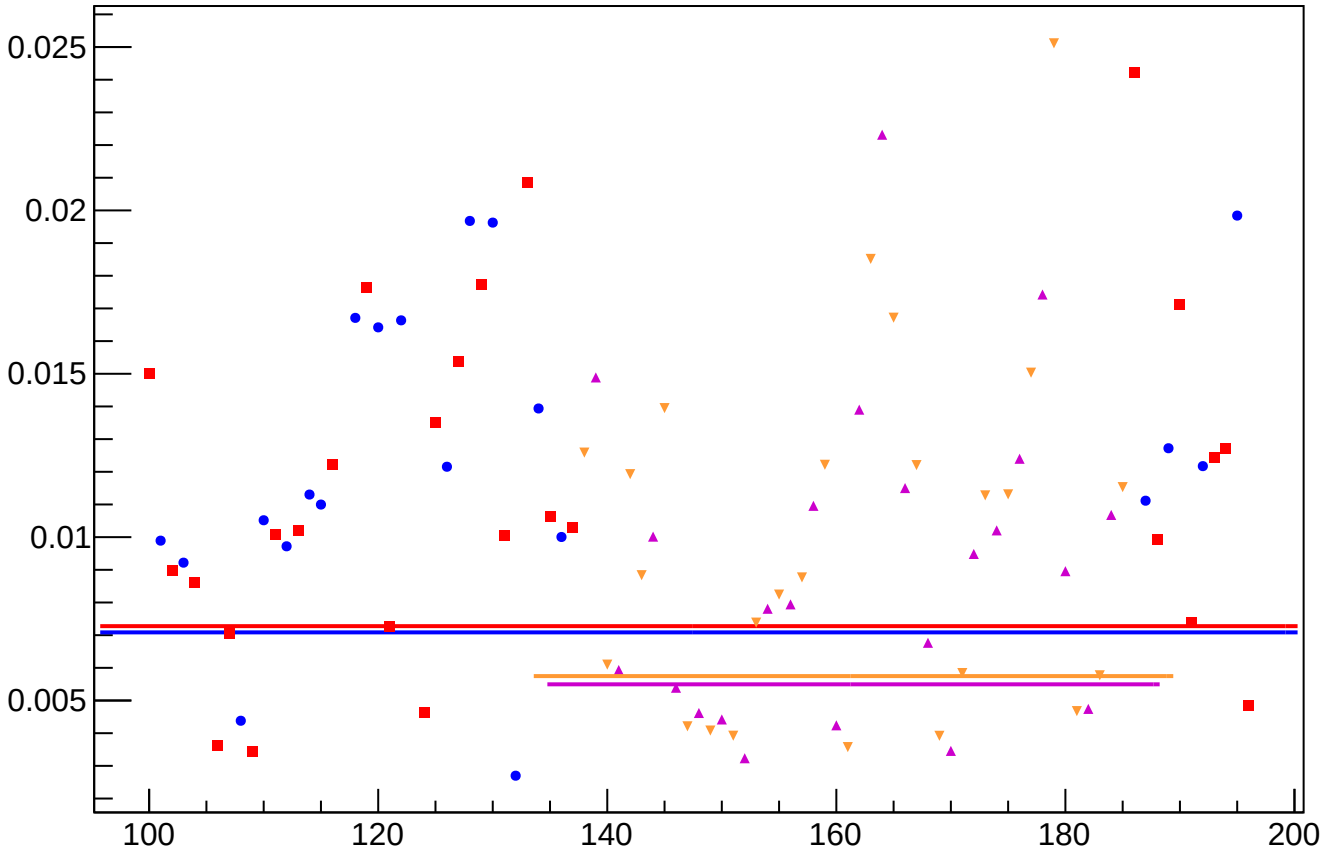
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/44

All: 0.000+/-0.000 χ^2/NDF: 121.2/93

- sign -0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

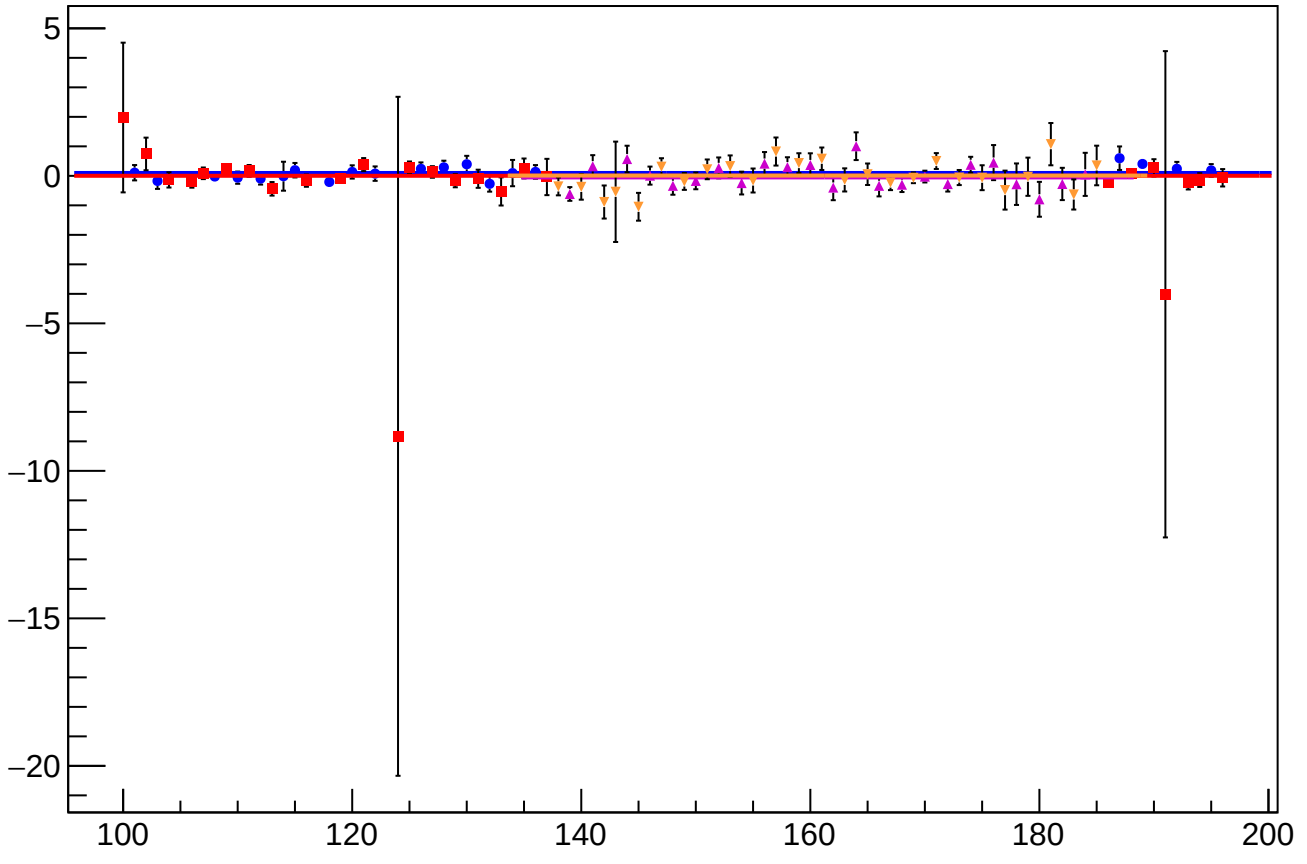
Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14517339.2/44

All: 0.006+/-0.000 χ^2/NDF: 27302294.7/93

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

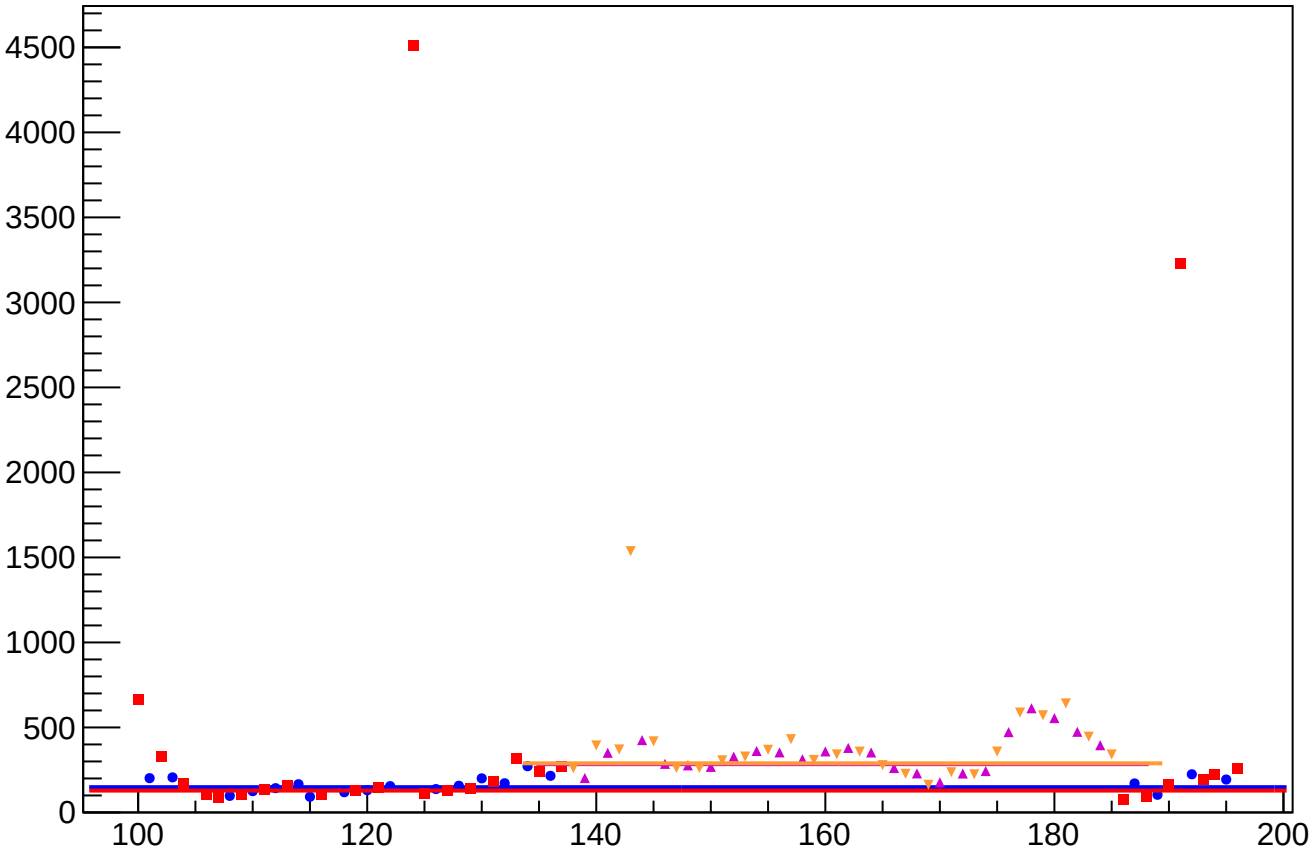
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

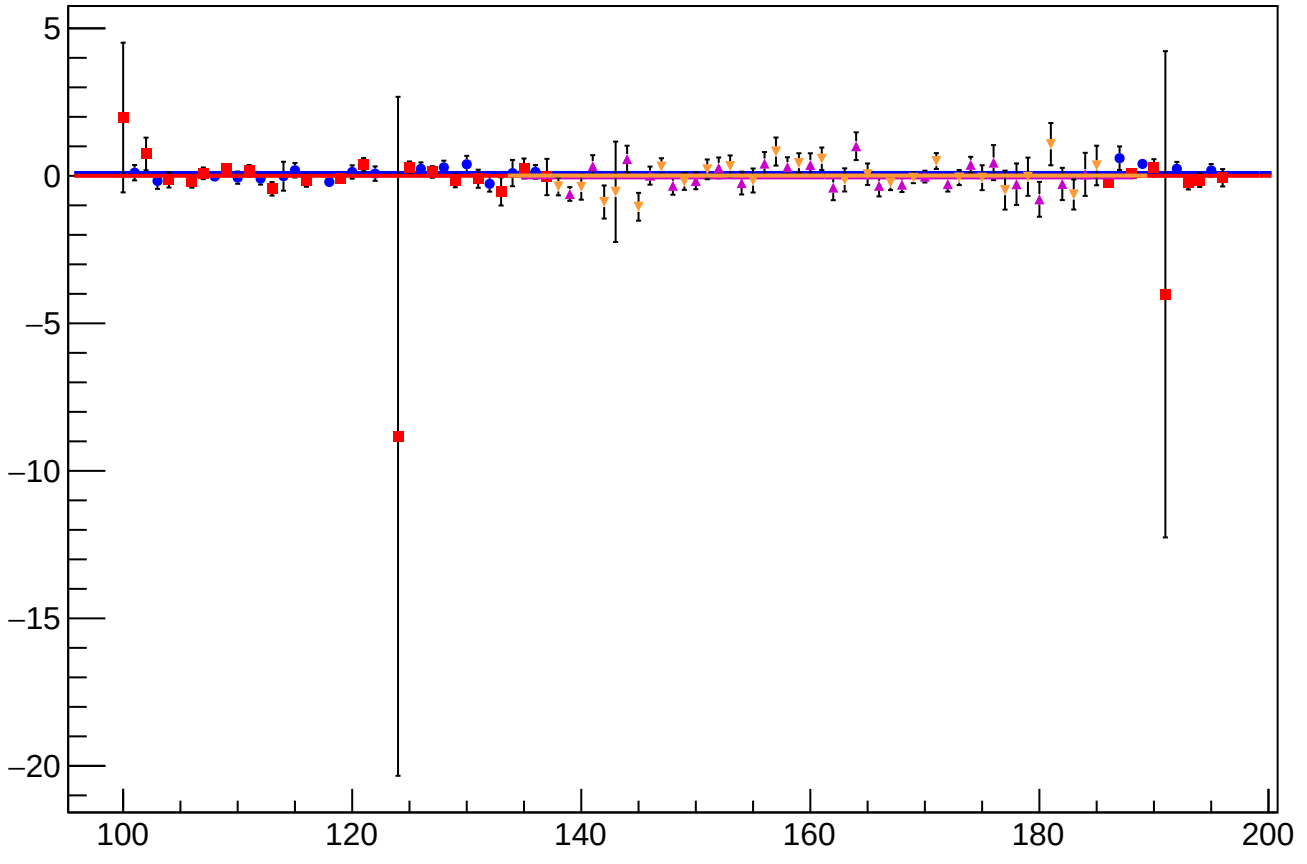
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 181.230+/-0.019 χ^2/NDF: 25444950.1/93

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

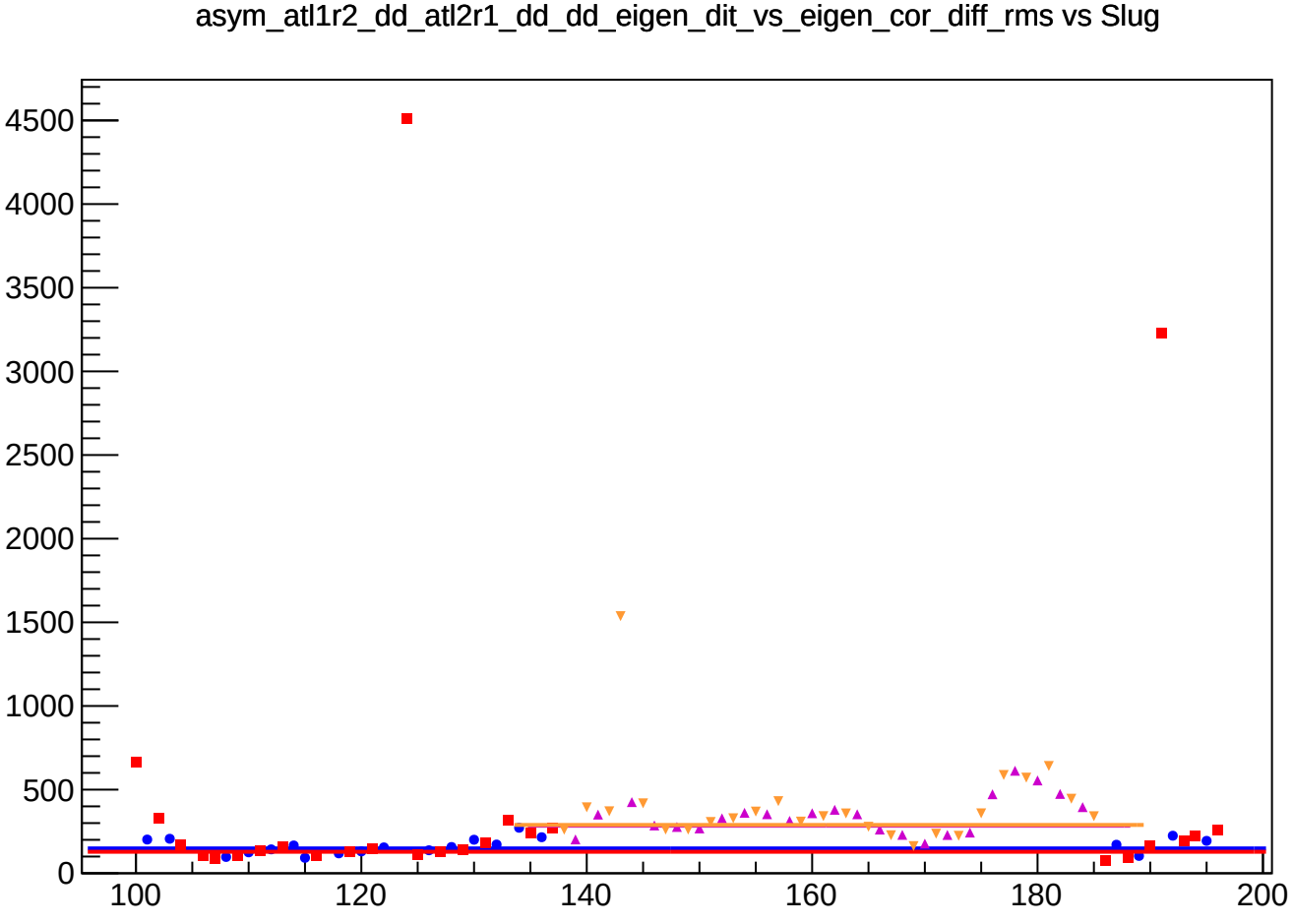
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.022+/-0.027 χ^2/NDF: 104.9/93

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

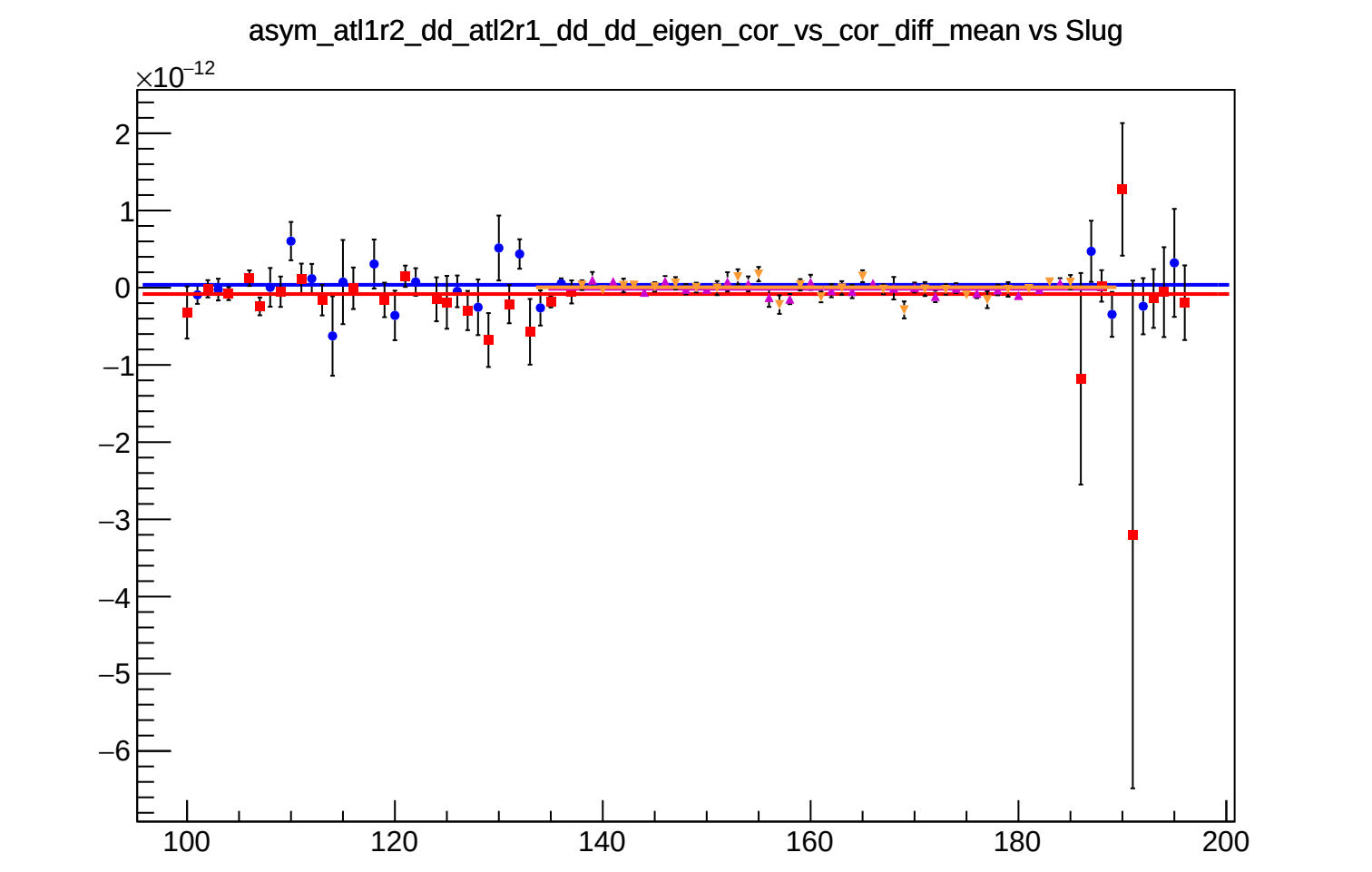
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 181.230+/-0.019 χ^2/NDF: 25444950.1/93

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

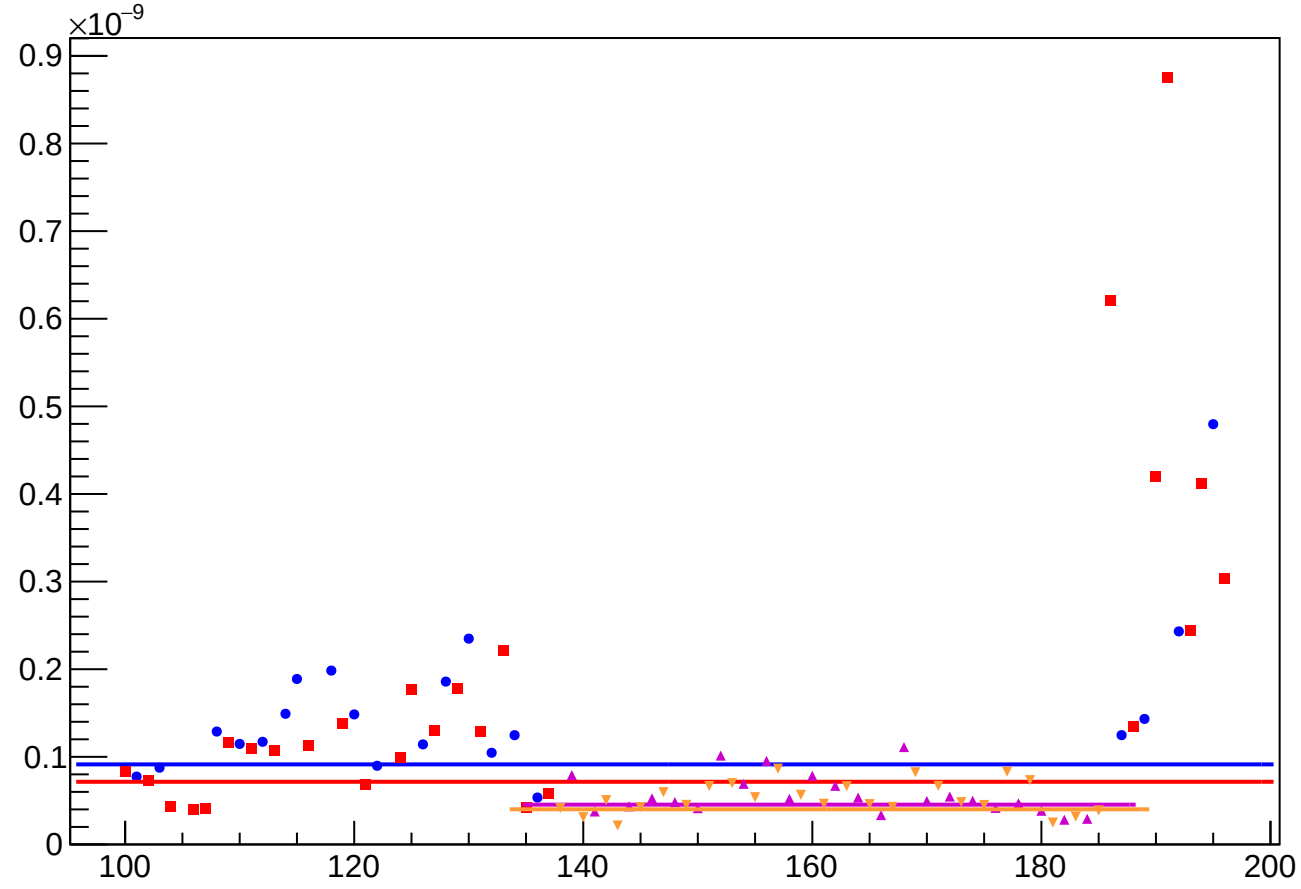
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/44

All: -0.000+/-0.000 χ^2/NDF: 110.2/93

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

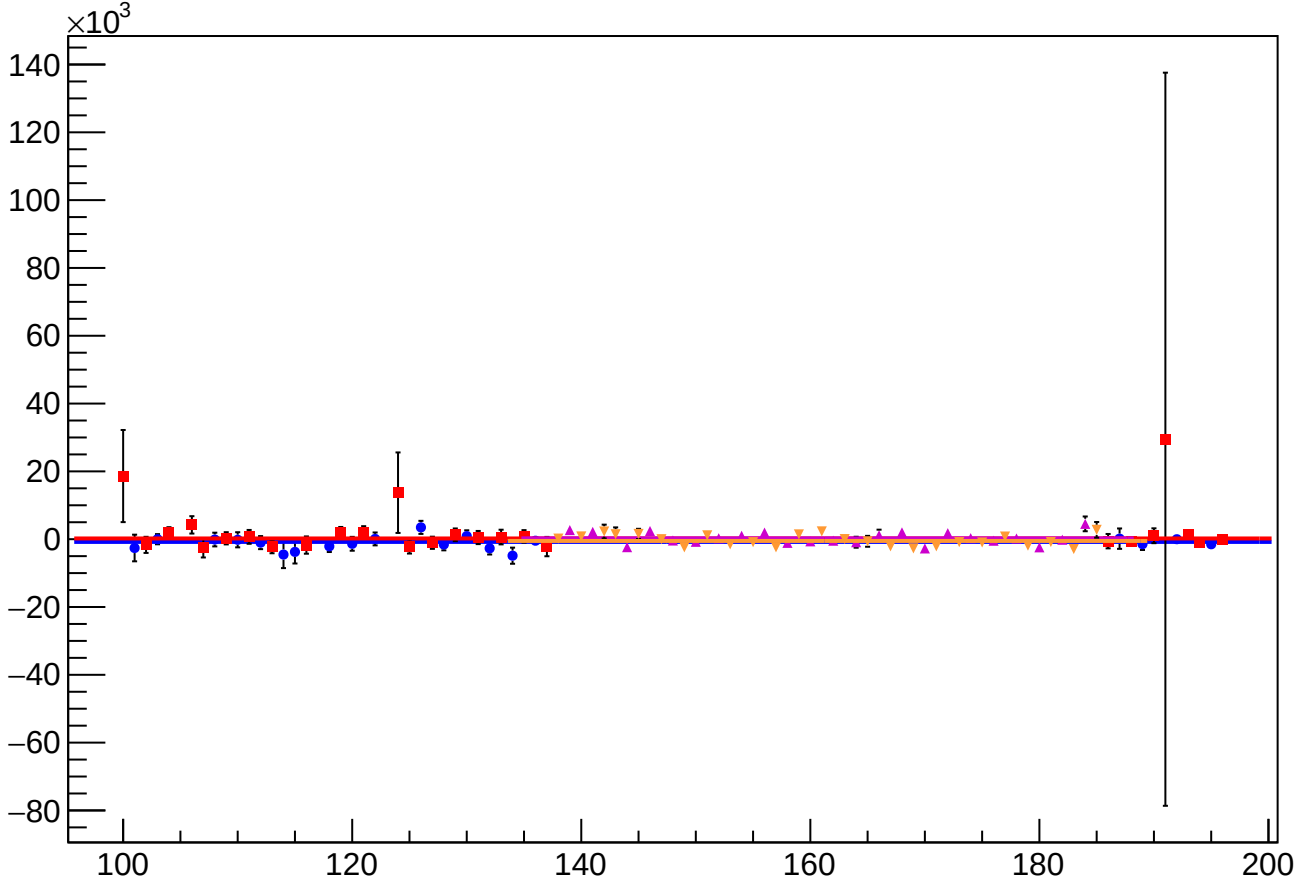
Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9030177.6/44

All: 0.000+/-0.000 χ^2/NDF: 17762677.0/93

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48



Right In: -803.131+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 213.109+/-385.476 χ^2/NDF: 17.9/25

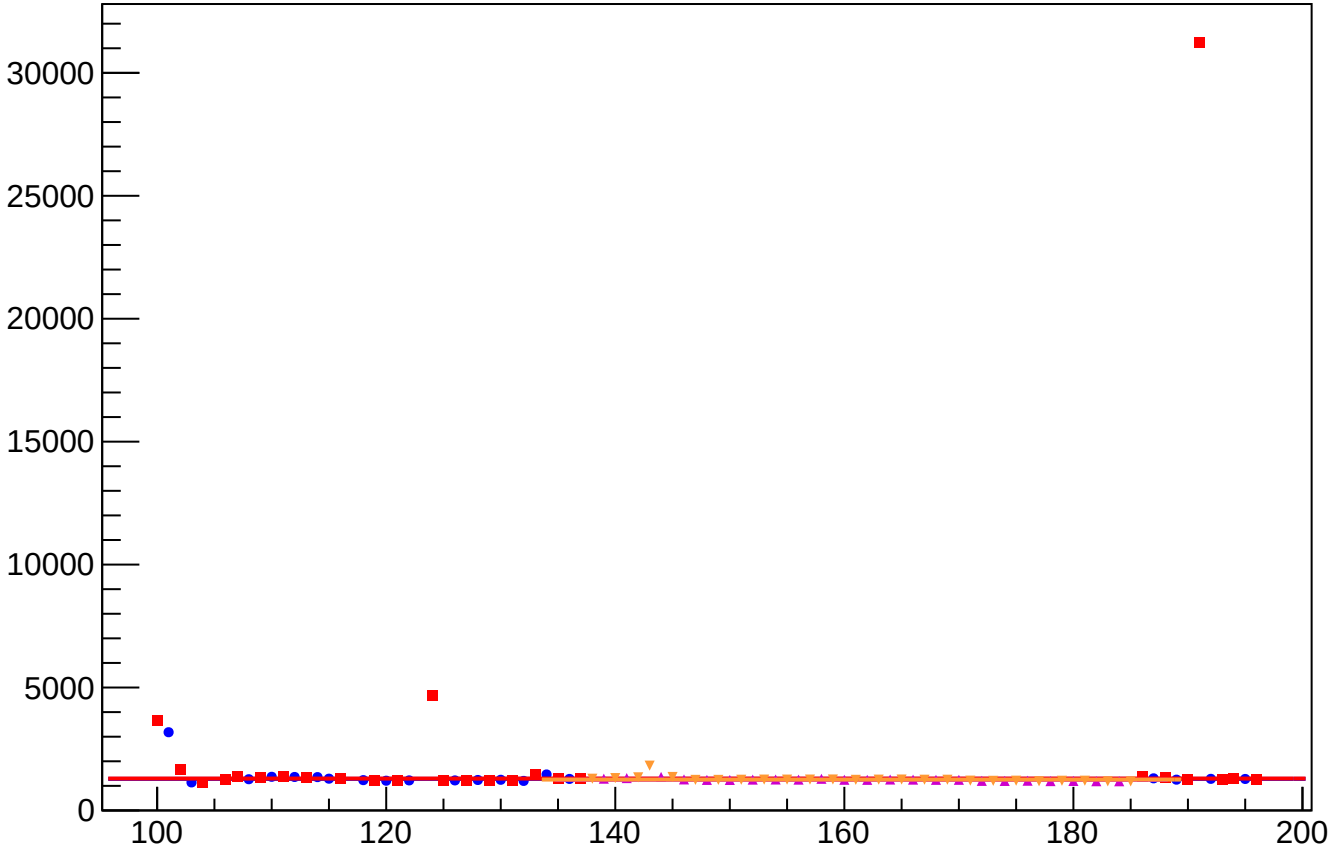
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -607.121+/-235.634 χ^2/NDF: 45.5/44

All: -181.677+/-165.440 χ^2/NDF: 101.9/93

- sign 231.941+/-232.336 χ^2/NDF: 49.9/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518962.8/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

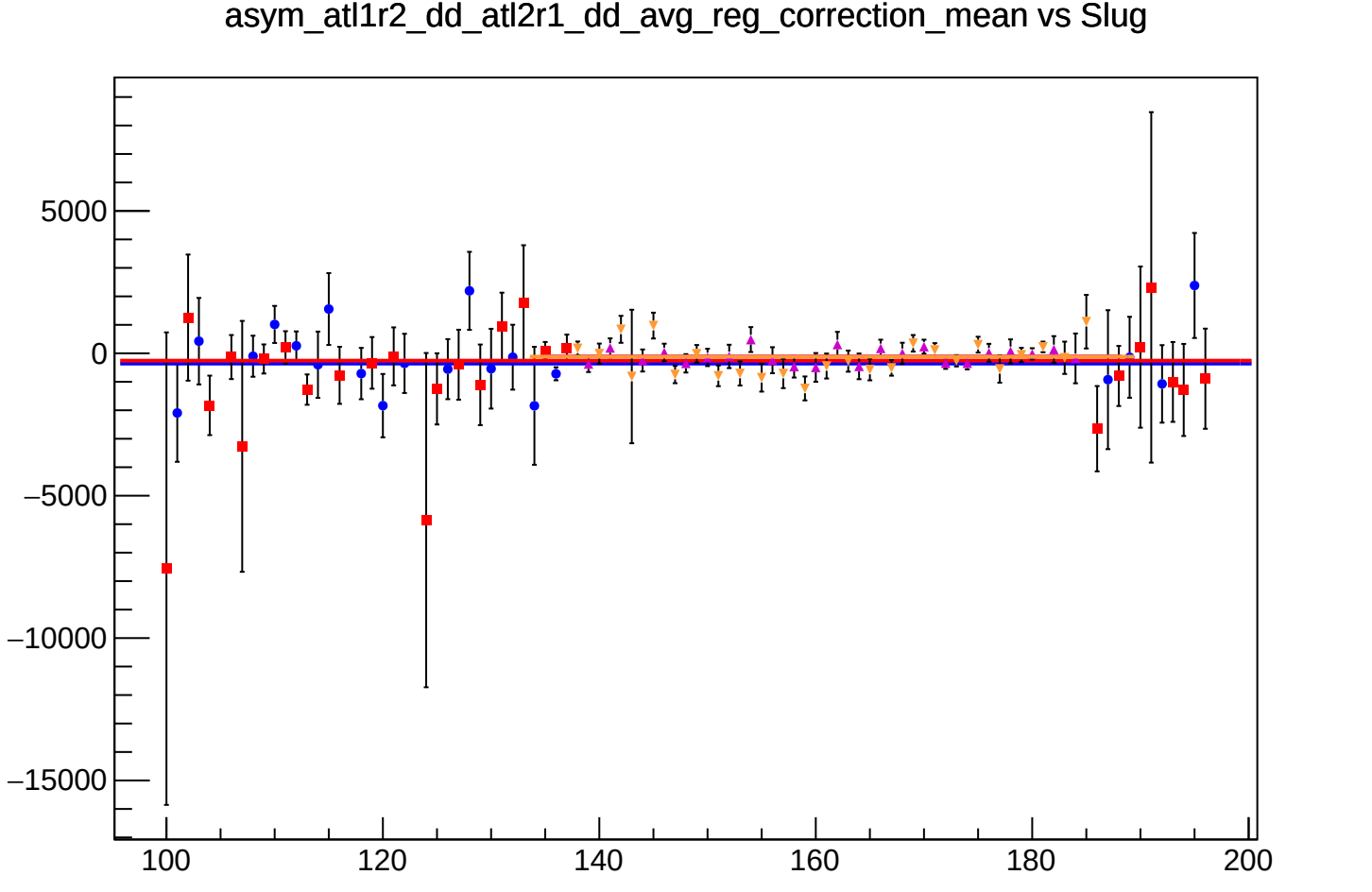
Right Out: 1297.535+/-0.273 χ^2/NDF: 489716.0/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728443.7/44

All: 1264.799+/-0.117 χ^2/NDF: 1280467.1/93

- sign 1264.947+/-0.164 χ^2/NDF: 552021.8/48



Right In: -359.992+/-164.751 χ^2/NDF: 20.7/19

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -257.908+/-163.331 χ^2/NDF: 18.6/25

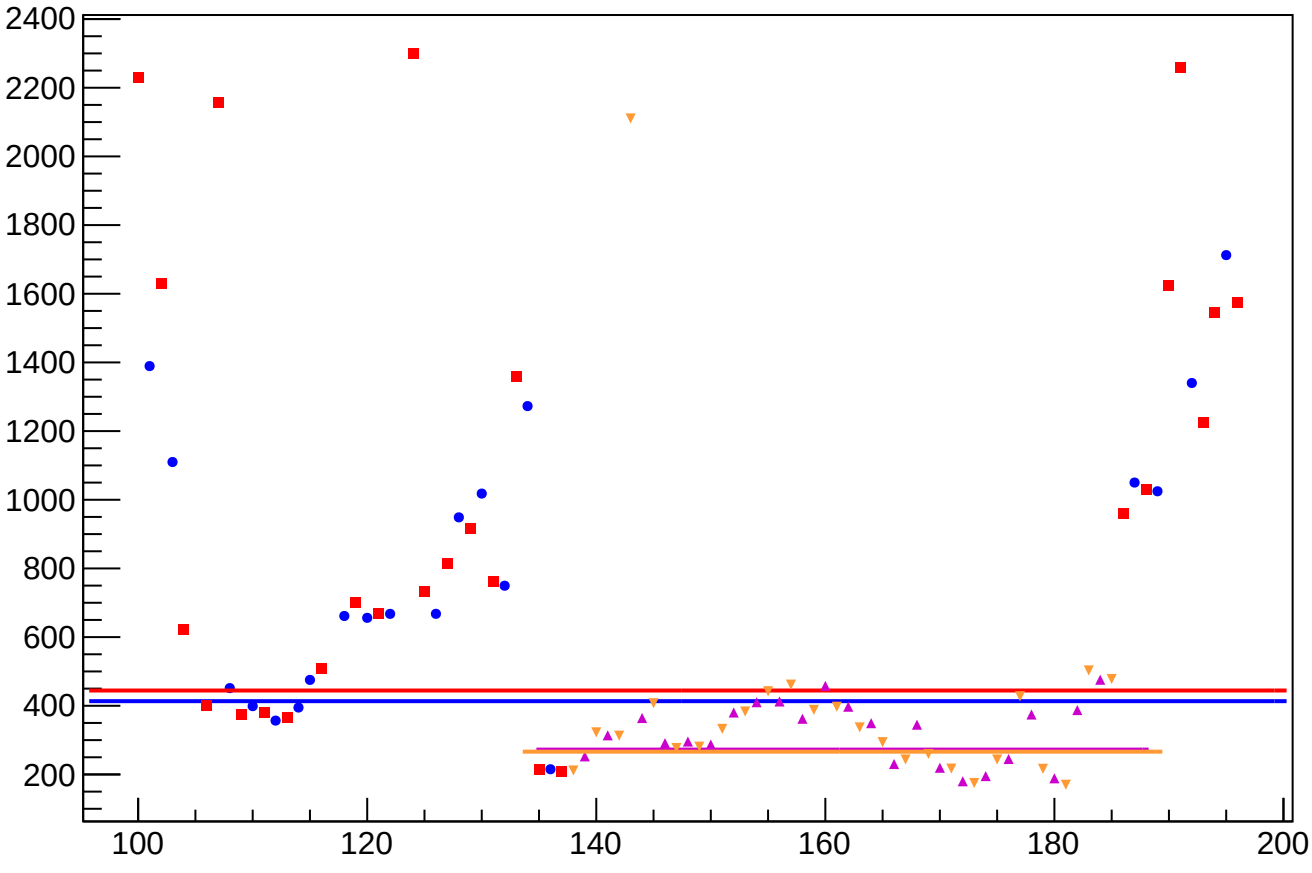
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -149.805+/-60.512 χ^2/NDF: 71.0/44

All: -139.667+/-43.301 χ^2/NDF: 104.2/93

\- sign -129.029+/-61.988 χ^2/NDF: 33.1/48

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 413.440+/-0.116 χ^2/NDF: 6710494.9/19

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 444.463+/-0.115 χ^2/NDF: 8063759.6/25

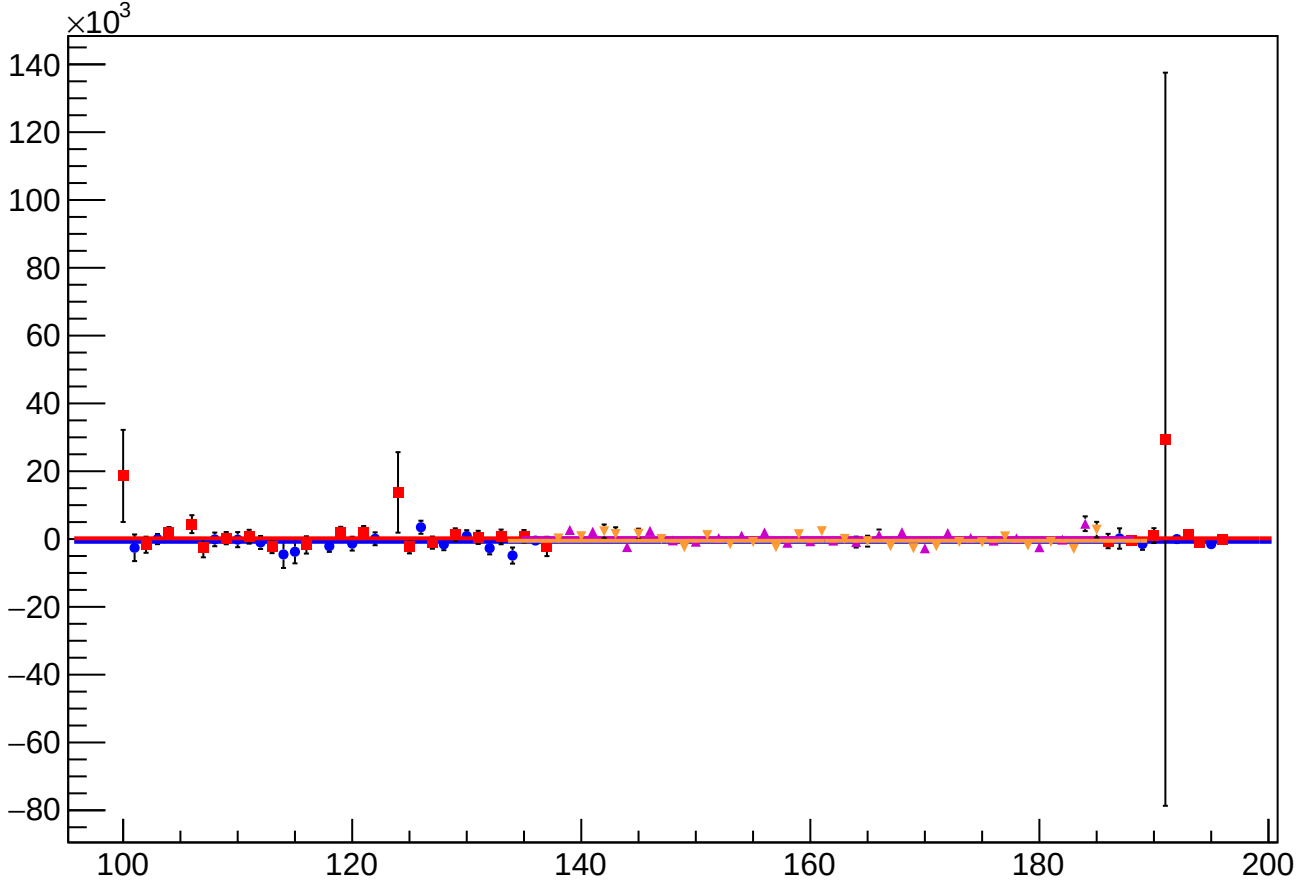
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 286.168+/-0.043 χ^2/NDF: 12720303.0/44

All: 291.529+/-0.031 χ^2/NDF: 25604650.7/93

- sign 297.156+/-0.044 χ^2/NDF: 12852165.5/48

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

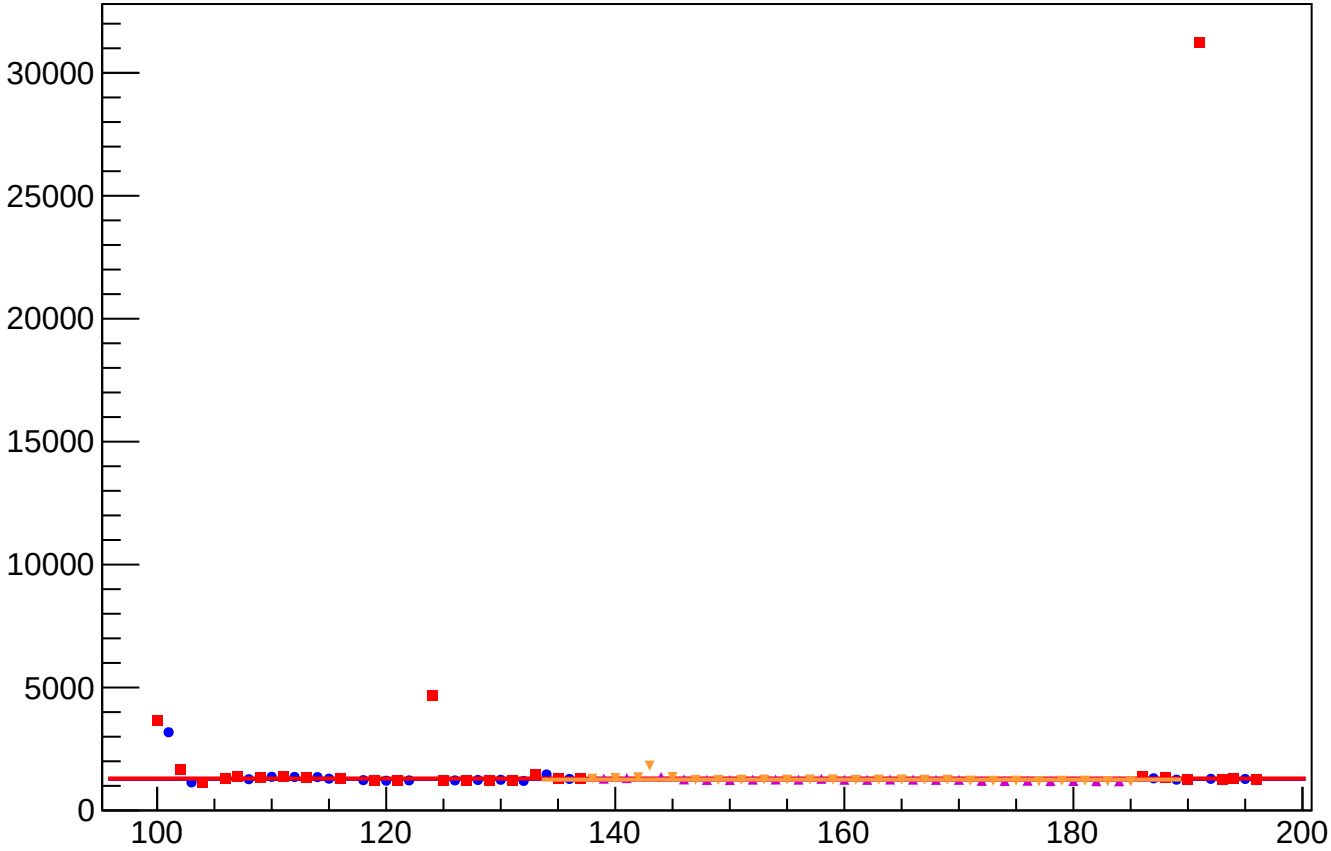
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -182.064+/-165.461 χ^2/NDF: 102.0/93

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

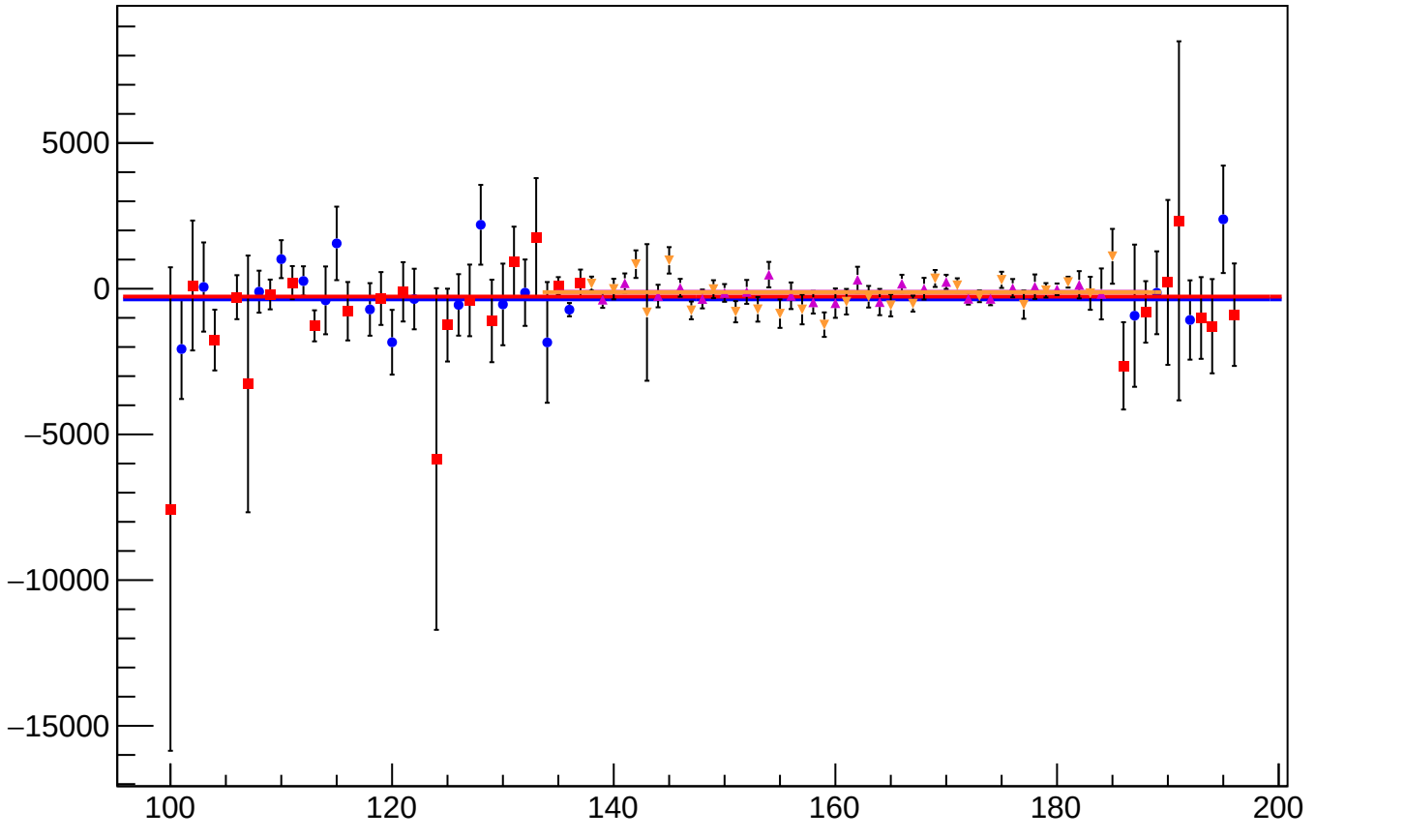
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.959+/-0.117 χ^2/NDF: 1280902.7/93

\- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

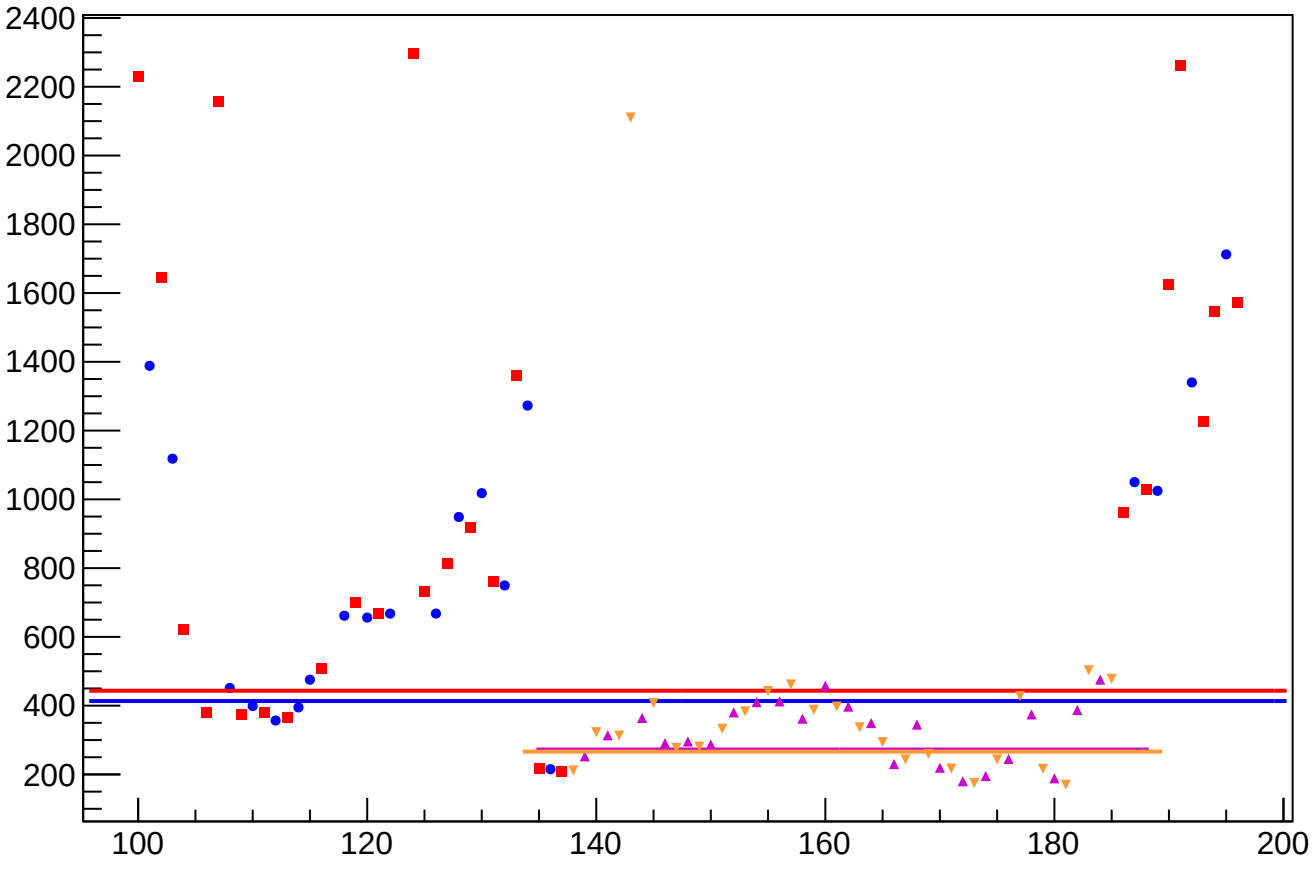
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.867+/-43.299 χ^2/NDF: 103.5/93

\- sign -130.917+/-61.980 χ^2/NDF: 32.6/48

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

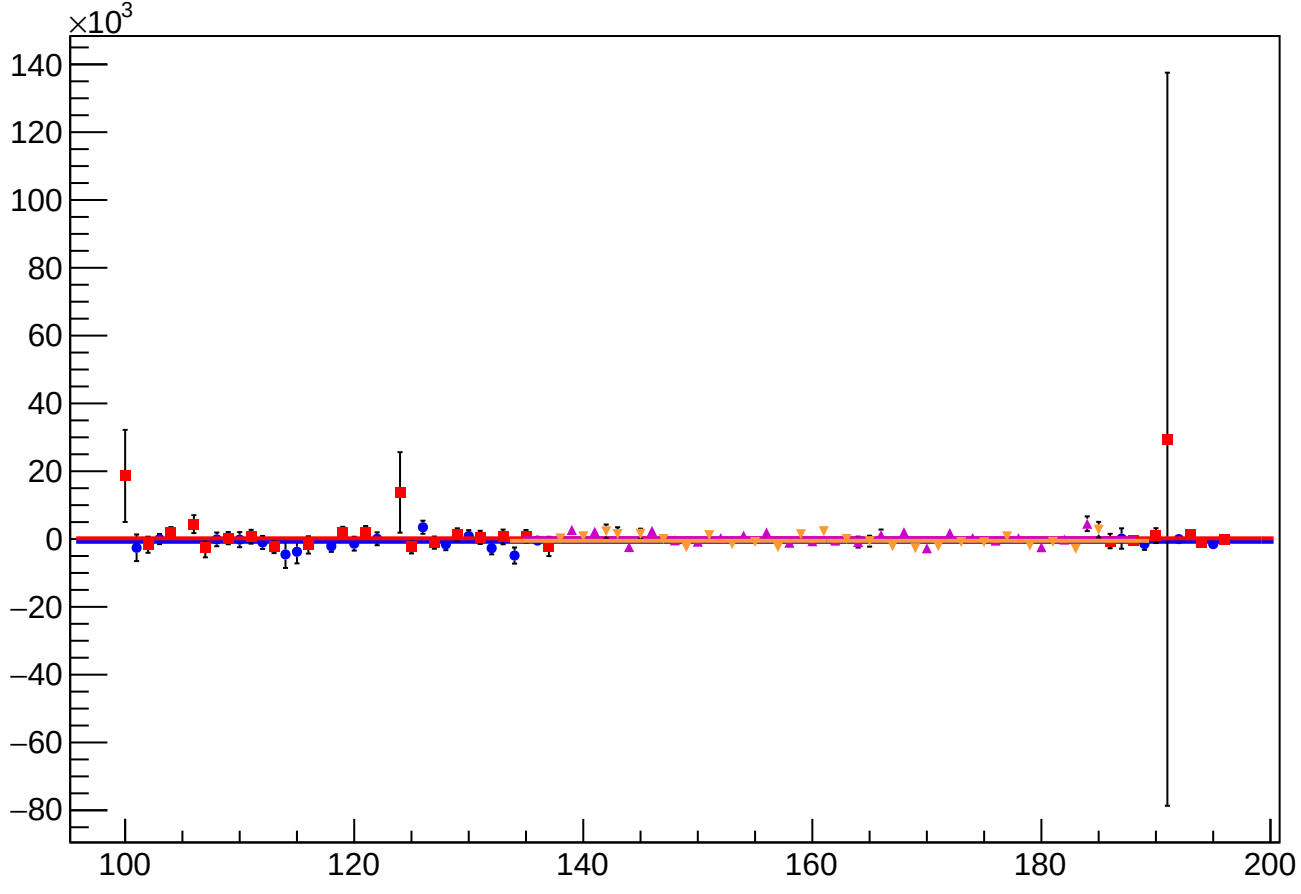
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 291.488+/-0.031 χ^2/NDF: 25602099.4/93

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

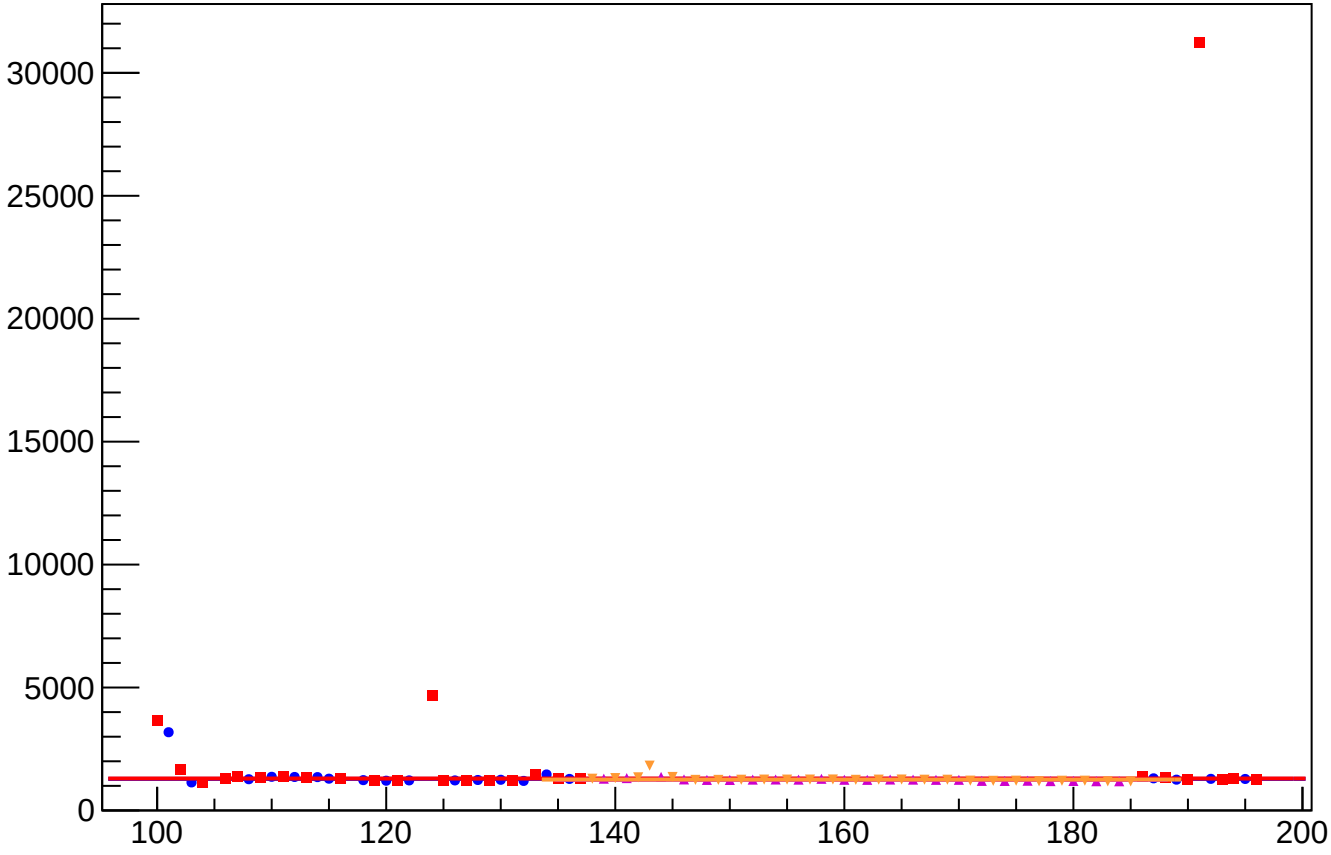
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -182.064+/-165.461 χ^2/NDF: 102.0/93

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

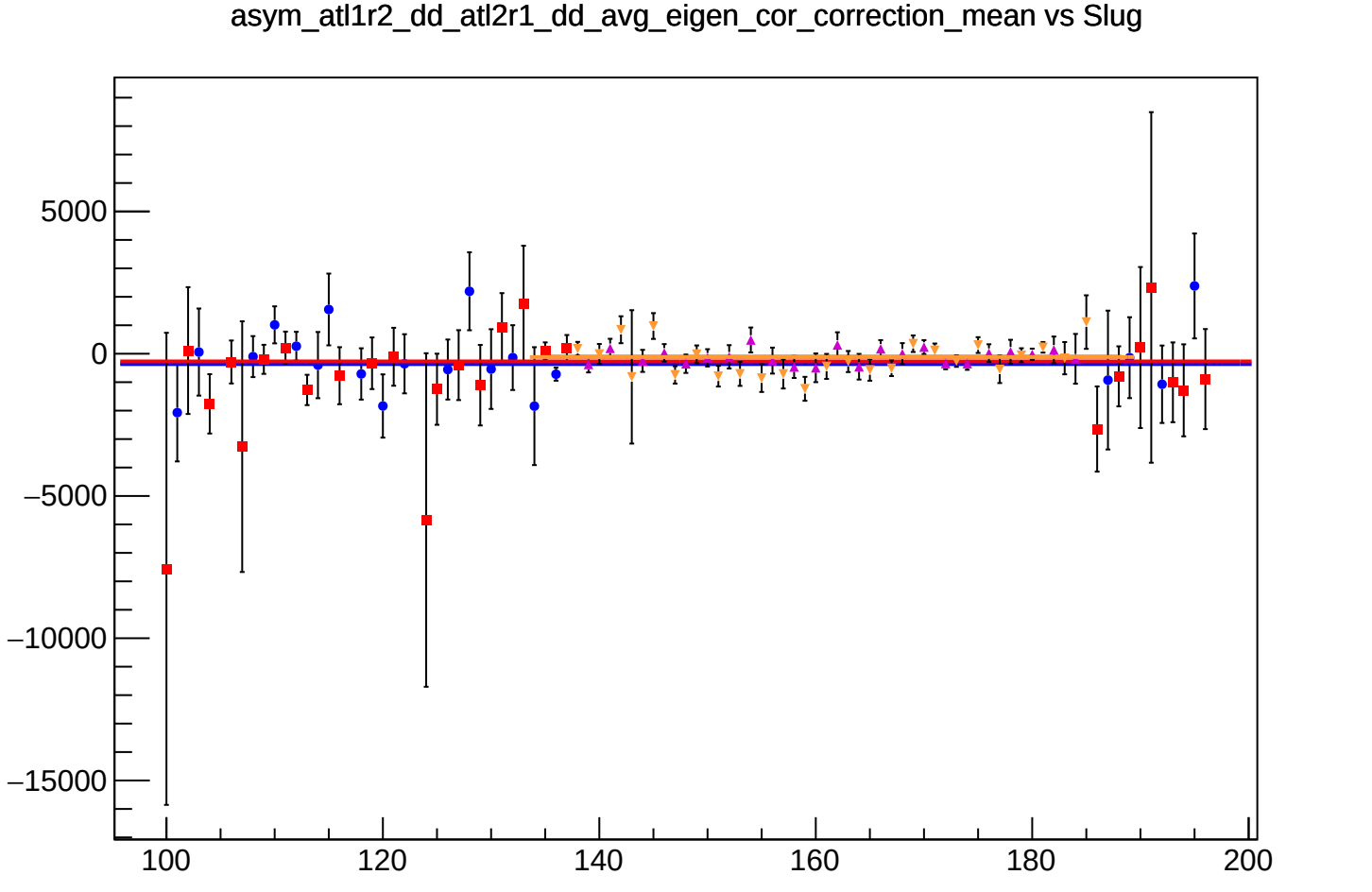
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.959+/-0.117 χ^2/NDF: 1280902.7/93

\- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

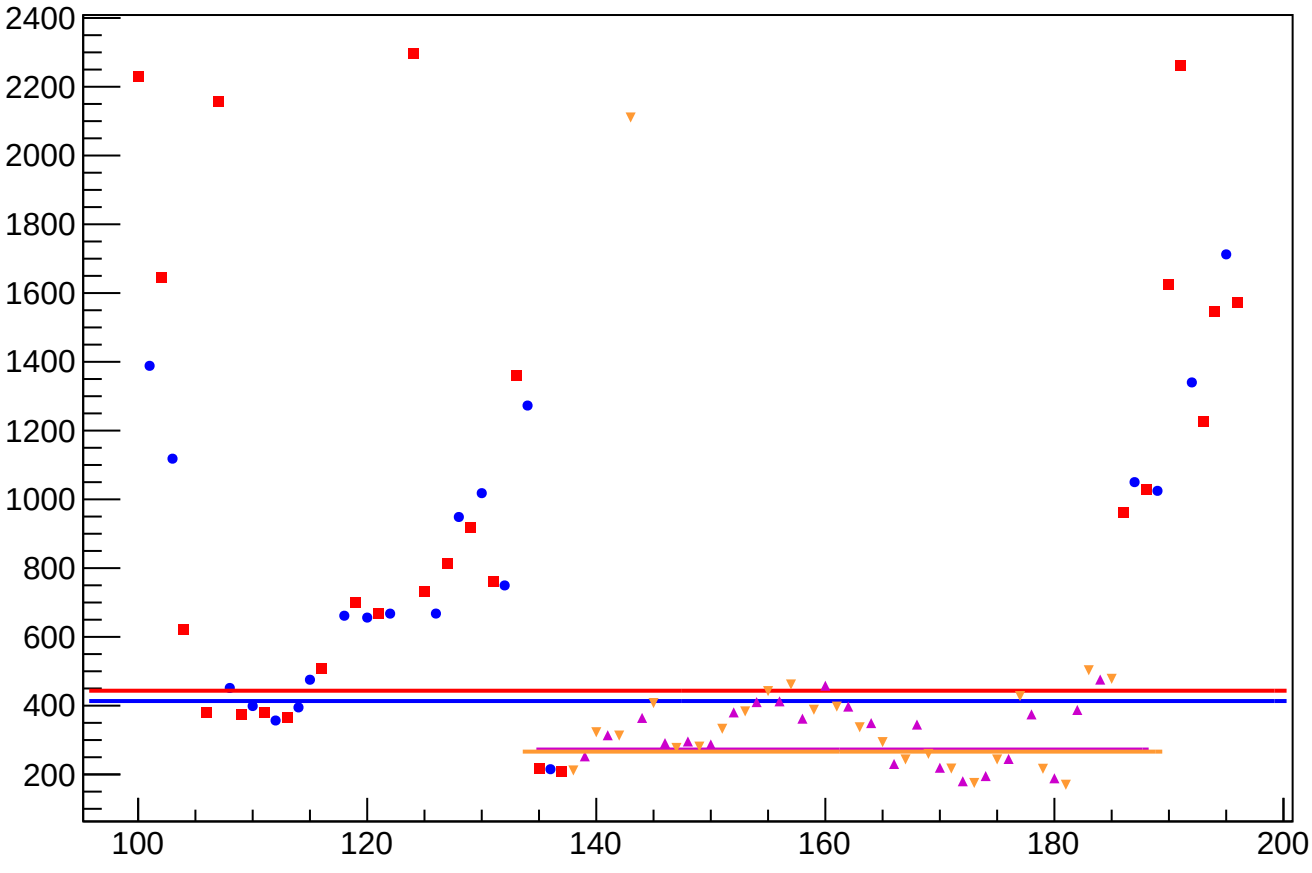
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.867+/-43.299 χ^2/NDF: 103.5/93

- 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: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

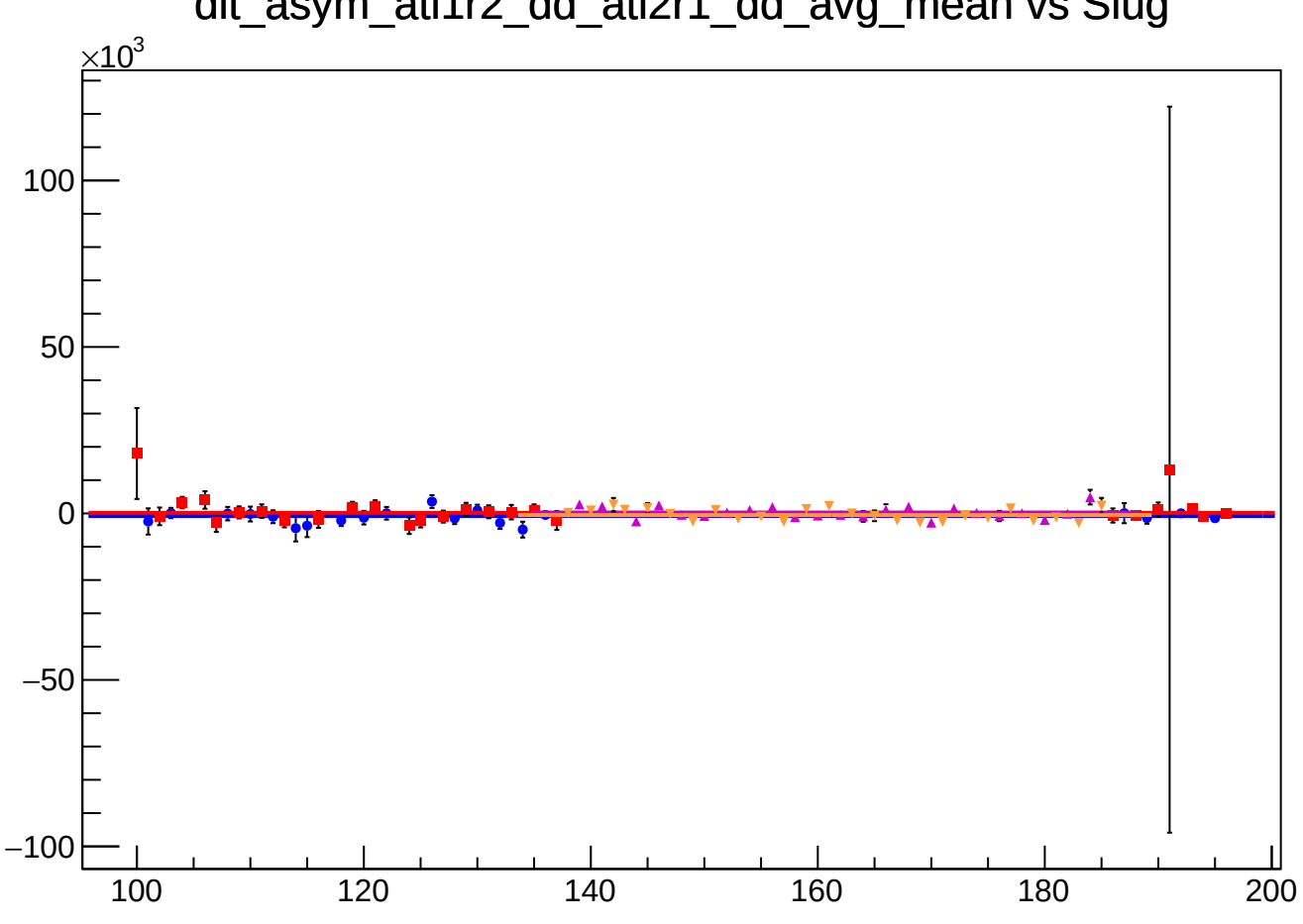
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 291.488+/-0.031 χ^2/NDF: 25602099.4/93

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -767.806+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.310+/-384.109 χ^2/NDF: 19.9/25

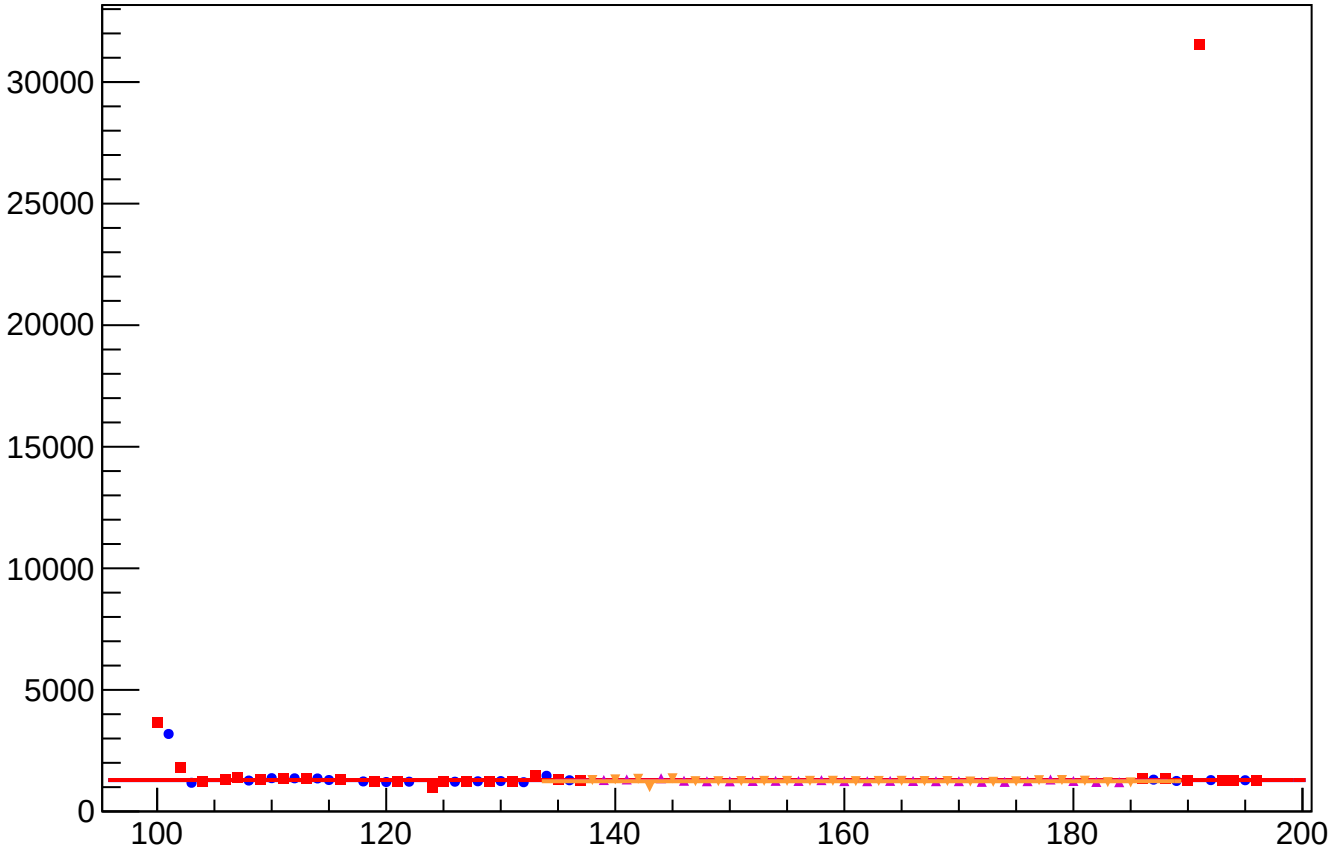
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.062+/-165.372 χ^2/NDF: 105.3/93

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

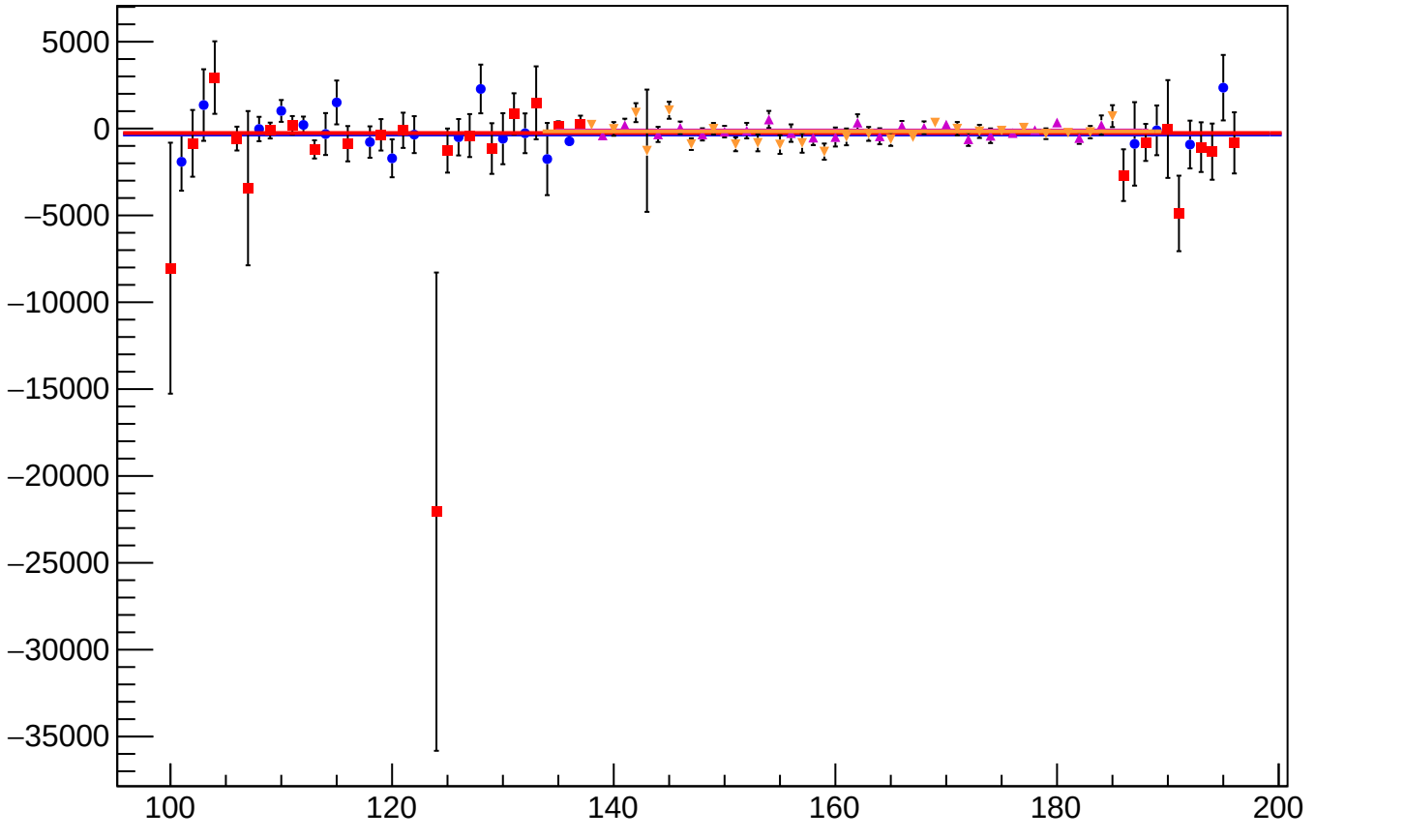
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.0/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657490.1/44

All: 1264.791+/-0.117 χ^2/NDF: 1071173.1/93

- sign 1272.364+/-0.165 χ^2/NDF: 409472.0/48



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

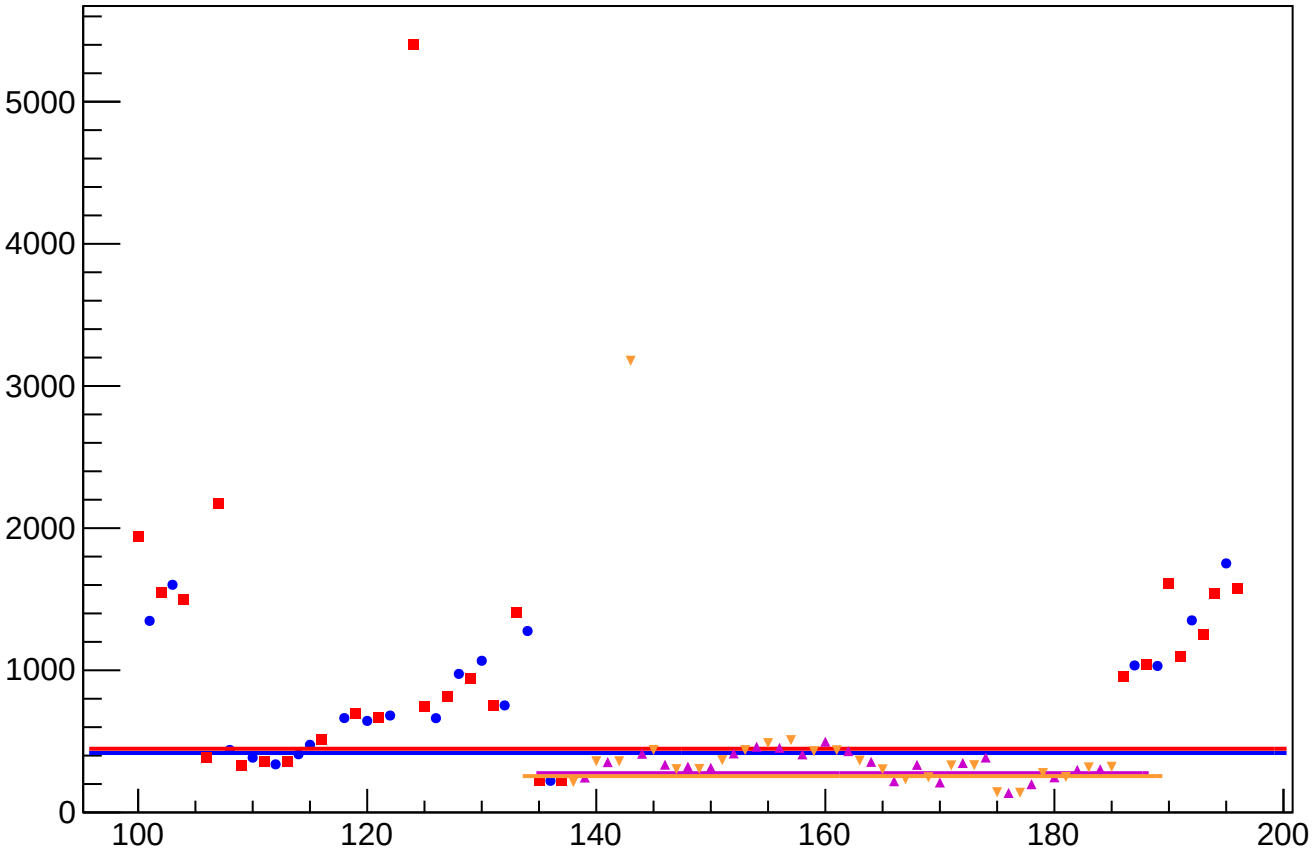
Right Out: -258.972+/-163.075 χ^2/NDF: 24.5/25

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.271+/-59.845 χ^2/NDF: 65.5/44

All: -161.389+/-43.526 χ^2/NDF: 109.2/93

- sign -135.691+/-63.421 χ^2/NDF: 43.4/48



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

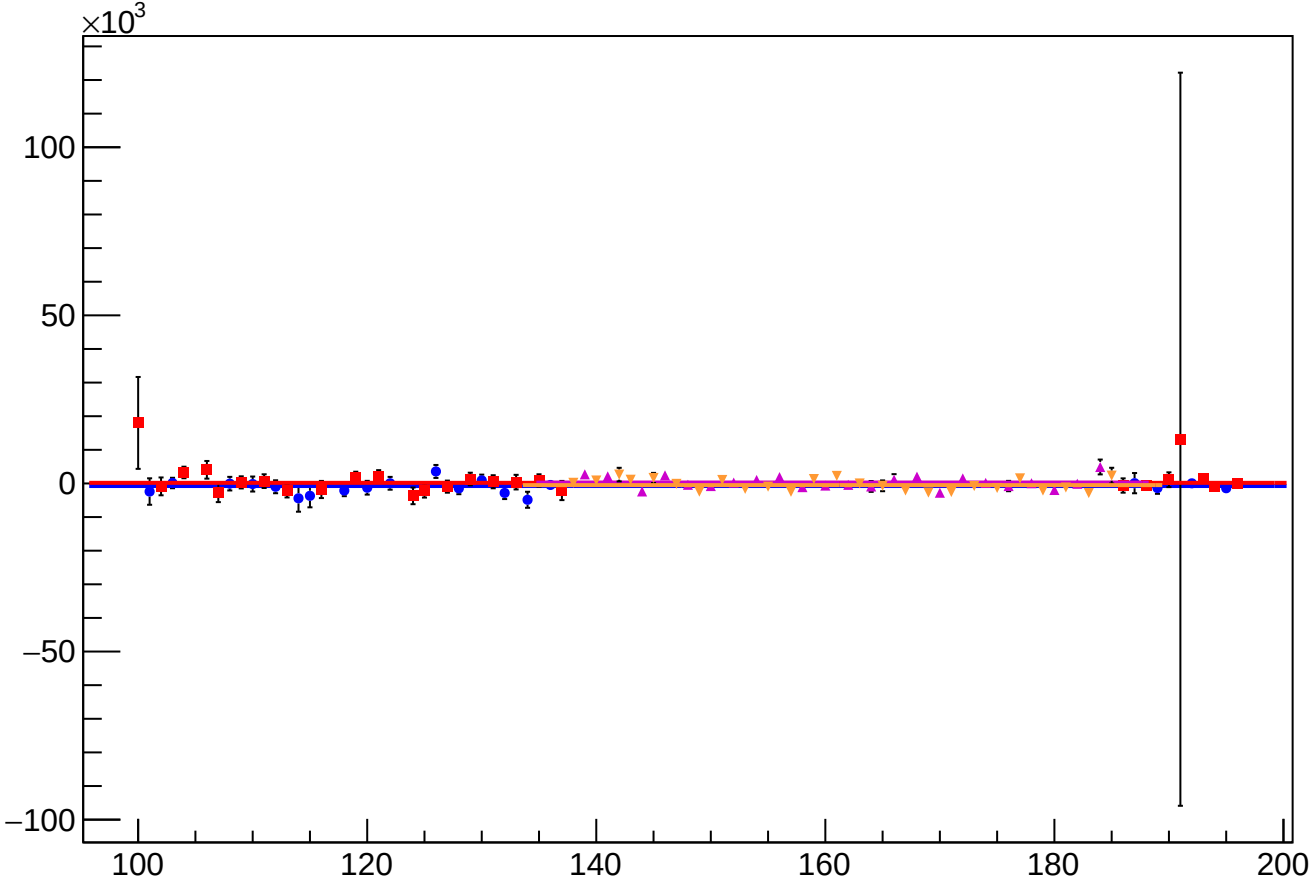
Right Out: 448.288+/-0.115 χ^2/NDF: 8581502.2/25

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 276.756+/-0.042 χ^2/NDF: 14862683.7/44

All: 288.793+/-0.031 χ^2/NDF: 29531547.4/93

- sign 302.312+/-0.045 χ^2/NDF: 14497080.6/48



Right In: -767.808+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.309+/-384.109 χ^2/NDF: 19.9/25

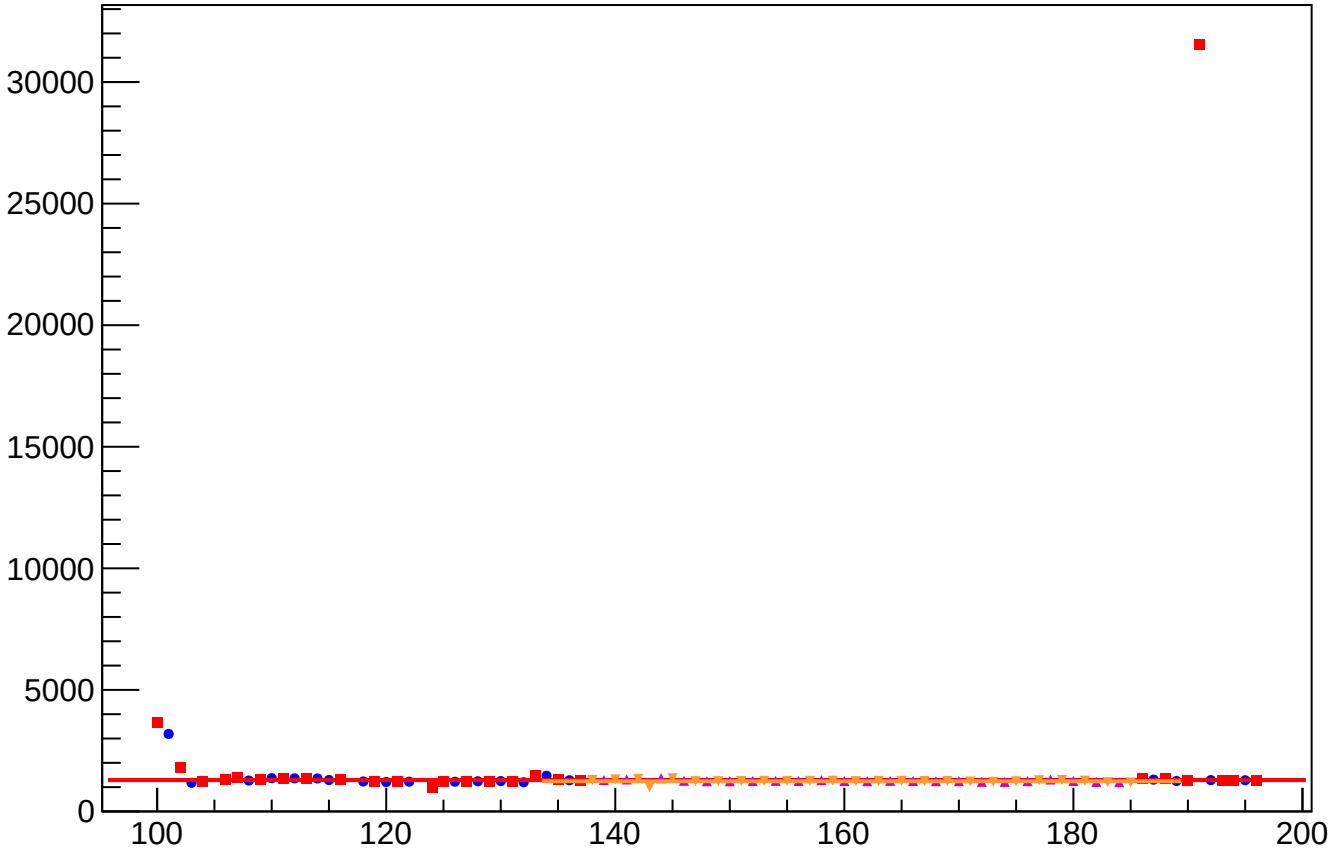
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.063+/-165.372 χ^2/NDF: 105.3/93

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

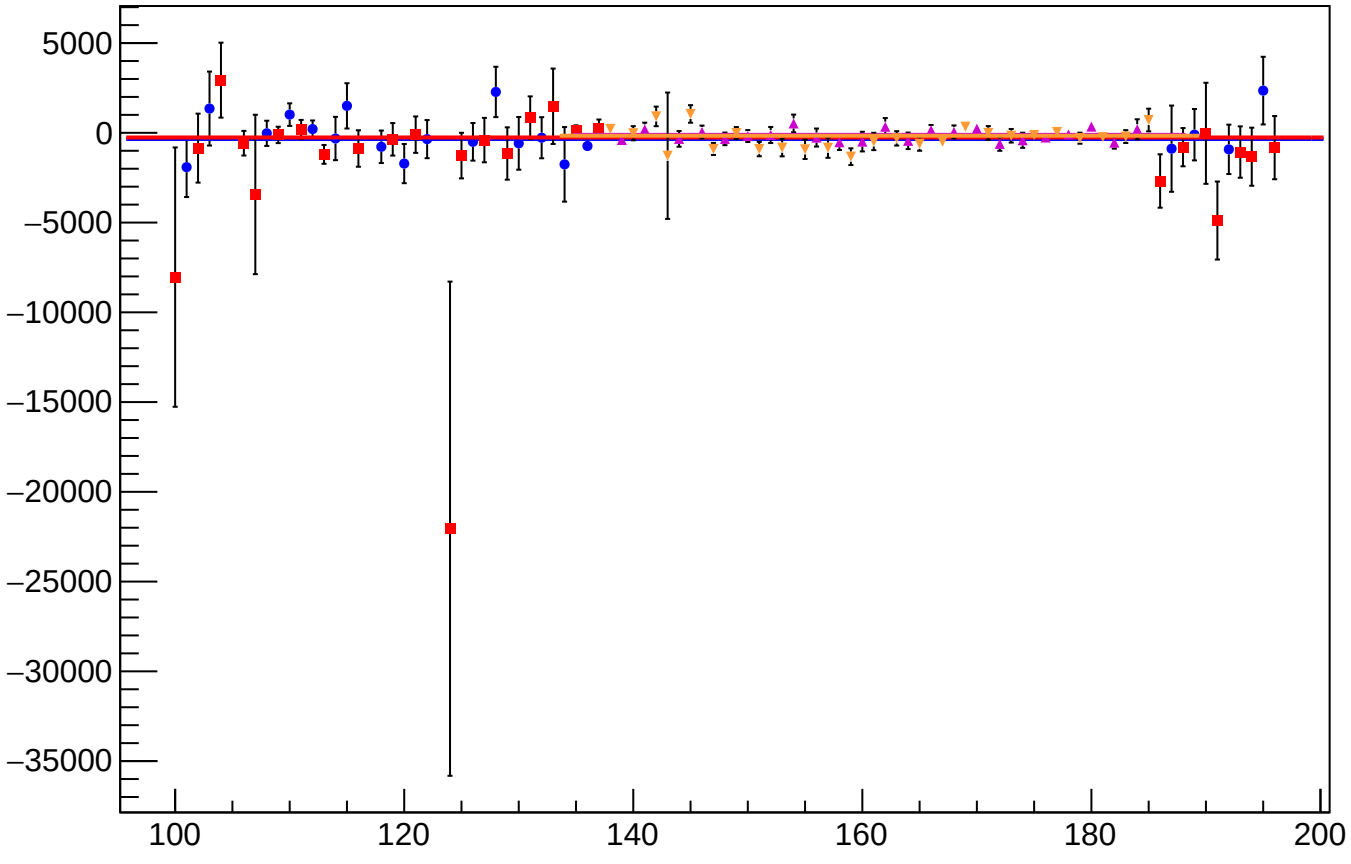
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.3/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657489.2/44

All: 1264.791+/-0.117 χ^2/NDF: 1071172.5/93

- sign 1272.364+/-0.165 χ^2/NDF: 409472.3/48



Right In: -341.534+/-166.472 χ^2/NDF: 20.7/19

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

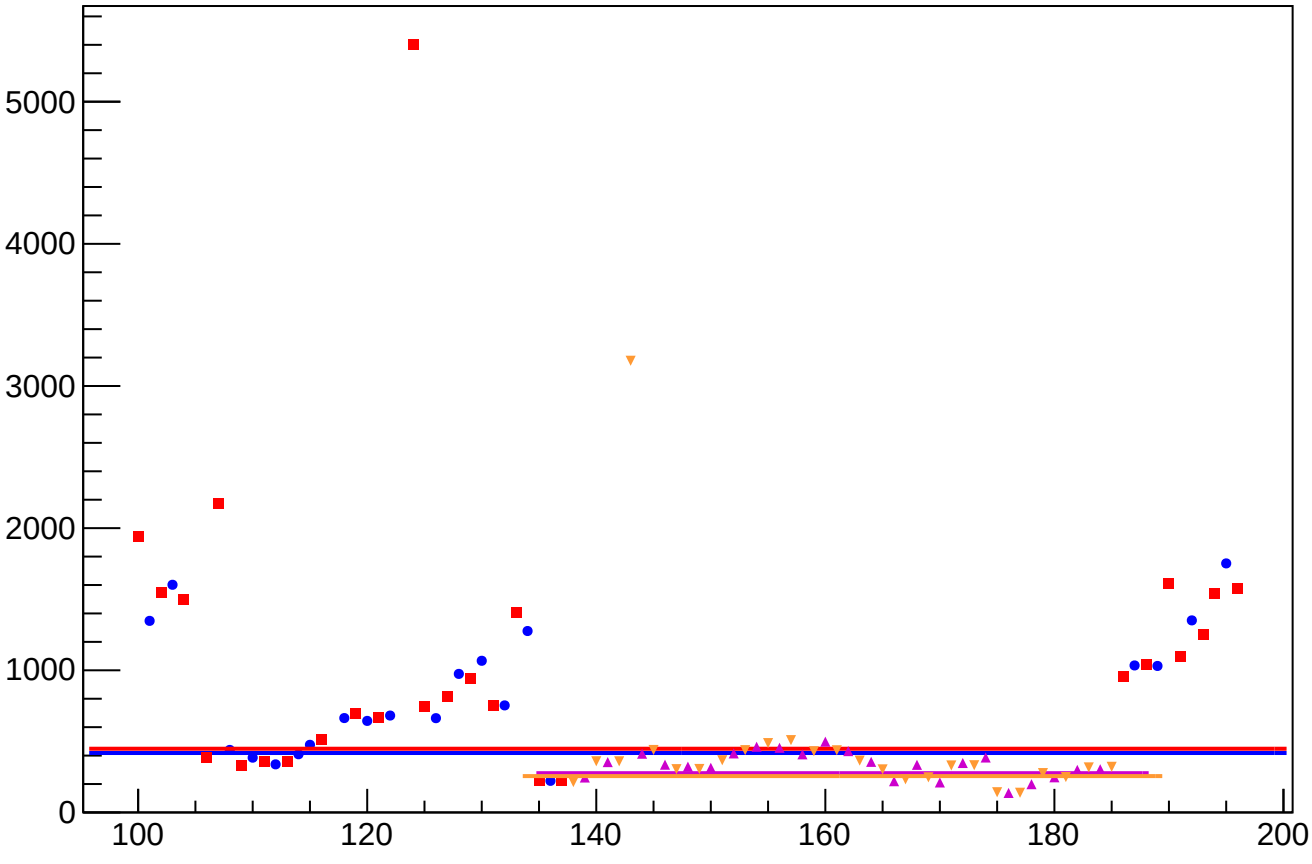
Right Out: -258.980+/-163.077 χ^2/NDF: 24.5/25

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -184.273+/-59.845 χ^2/NDF: 65.5/44

All: -161.390+/-43.526 χ^2/NDF: 109.2/93

- sign -135.690+/-63.421 χ^2/NDF: 43.4/48



Right In: 418.176+/-0.118 χ^2/NDF: 6831147.2/19

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 448.297+/-0.115 χ^2/NDF: 8581282.1/25

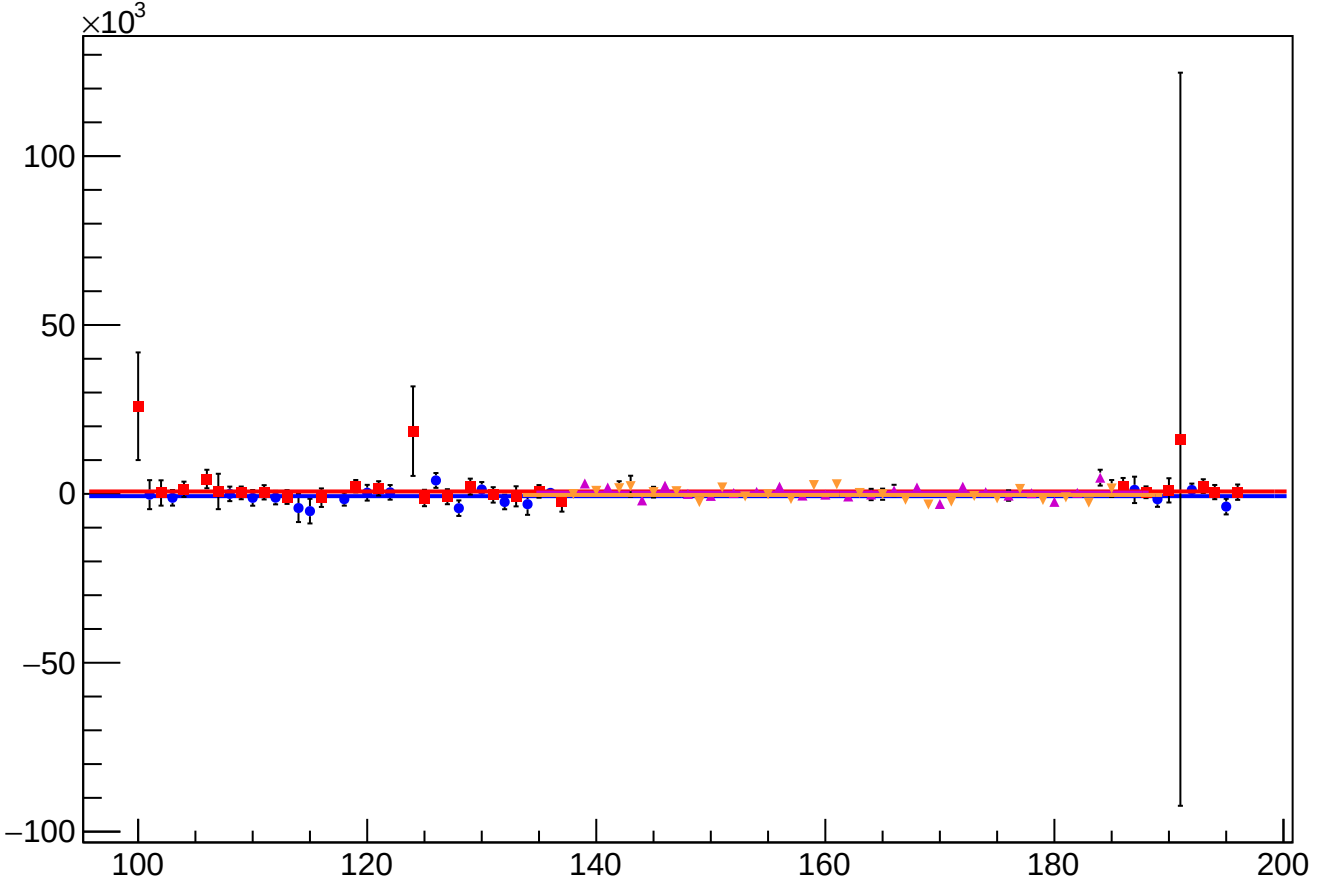
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 276.758+/-0.042 χ^2/NDF: 14862489.8/44

All: 288.795+/-0.031 χ^2/NDF: 29531225.1/93

- sign 302.313+/-0.045 χ^2/NDF: 14496964.5/48

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -678.813+/-508.359 χ^2/NDF: 15.6/19

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 713.995+/-480.622 χ^2/NDF: 12.4/25

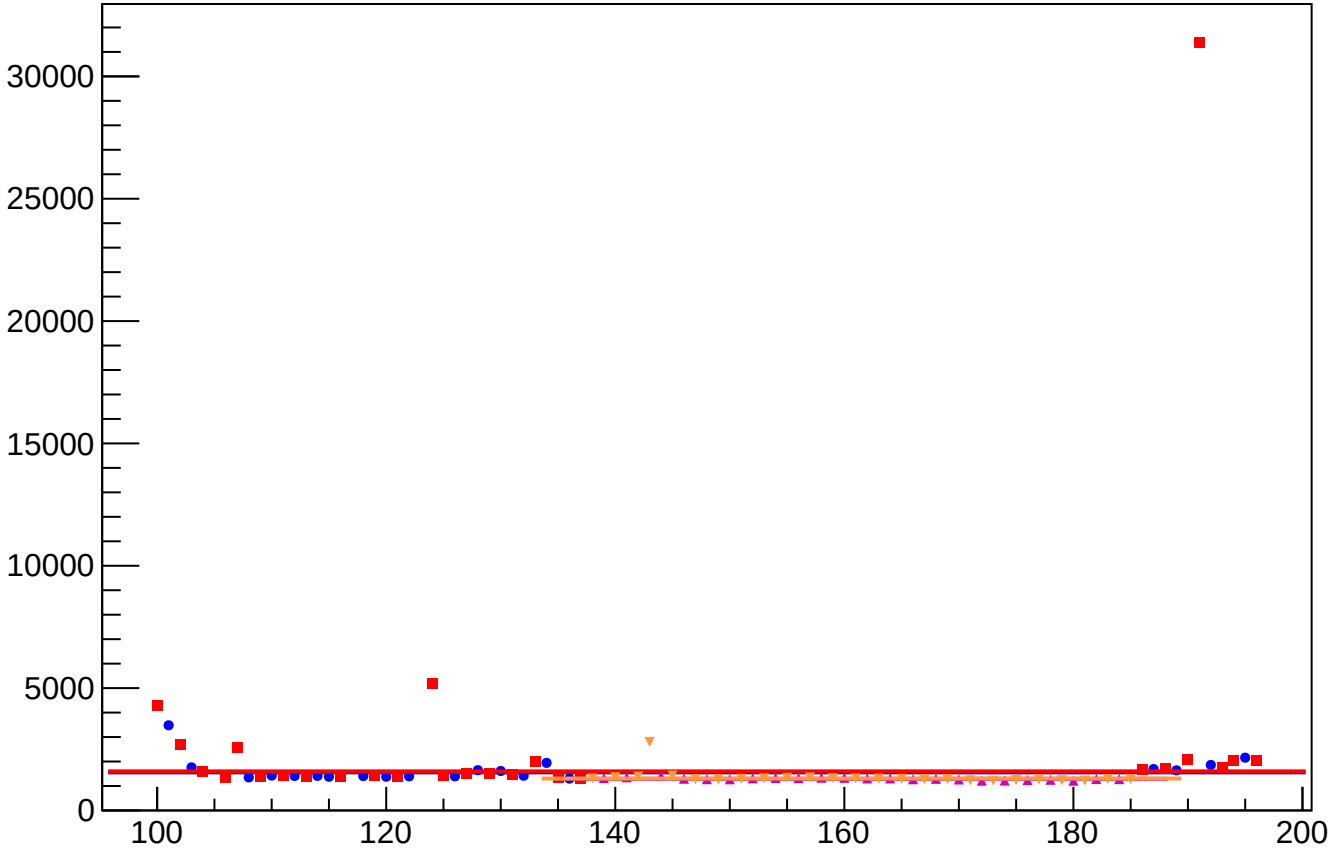
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -411.699+/-257.258 χ^2/NDF: 47.5/44

All: 25.659+/-181.338 χ^2/NDF: 95.7/93

- sign 457.566+/-255.650 χ^2/NDF: 42.4/48

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1556.304+/-0.359 χ^2/NDF: 807782.1/19

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

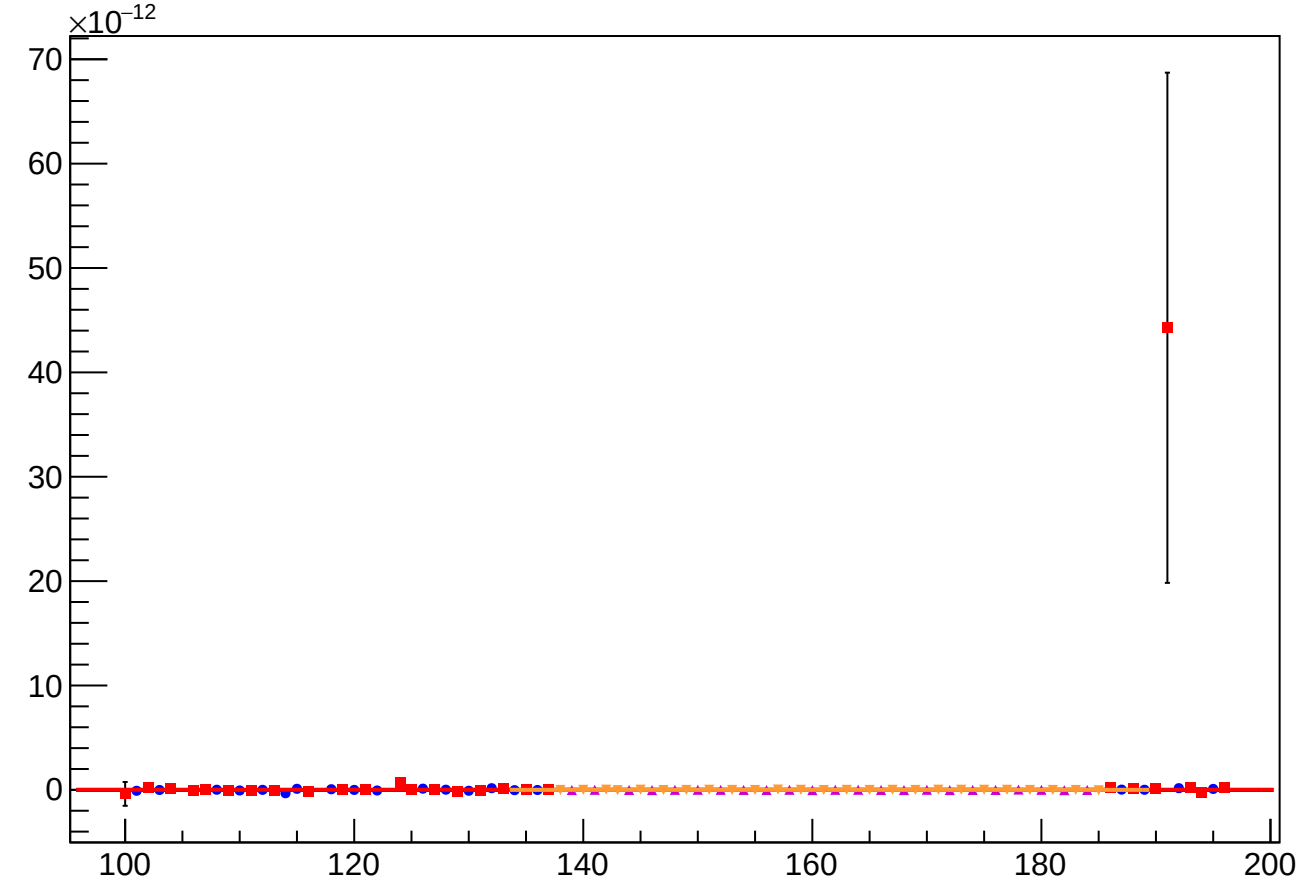
Right Out: 1597.038+/-0.340 χ^2/NDF: 1056041.4/25

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1368.730+/-0.182 χ^2/NDF: 1693424.1/44

All: 1373.592+/-0.128 χ^2/NDF: 3376449.0/93

- sign 1378.394+/-0.181 χ^2/NDF: 1681604.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

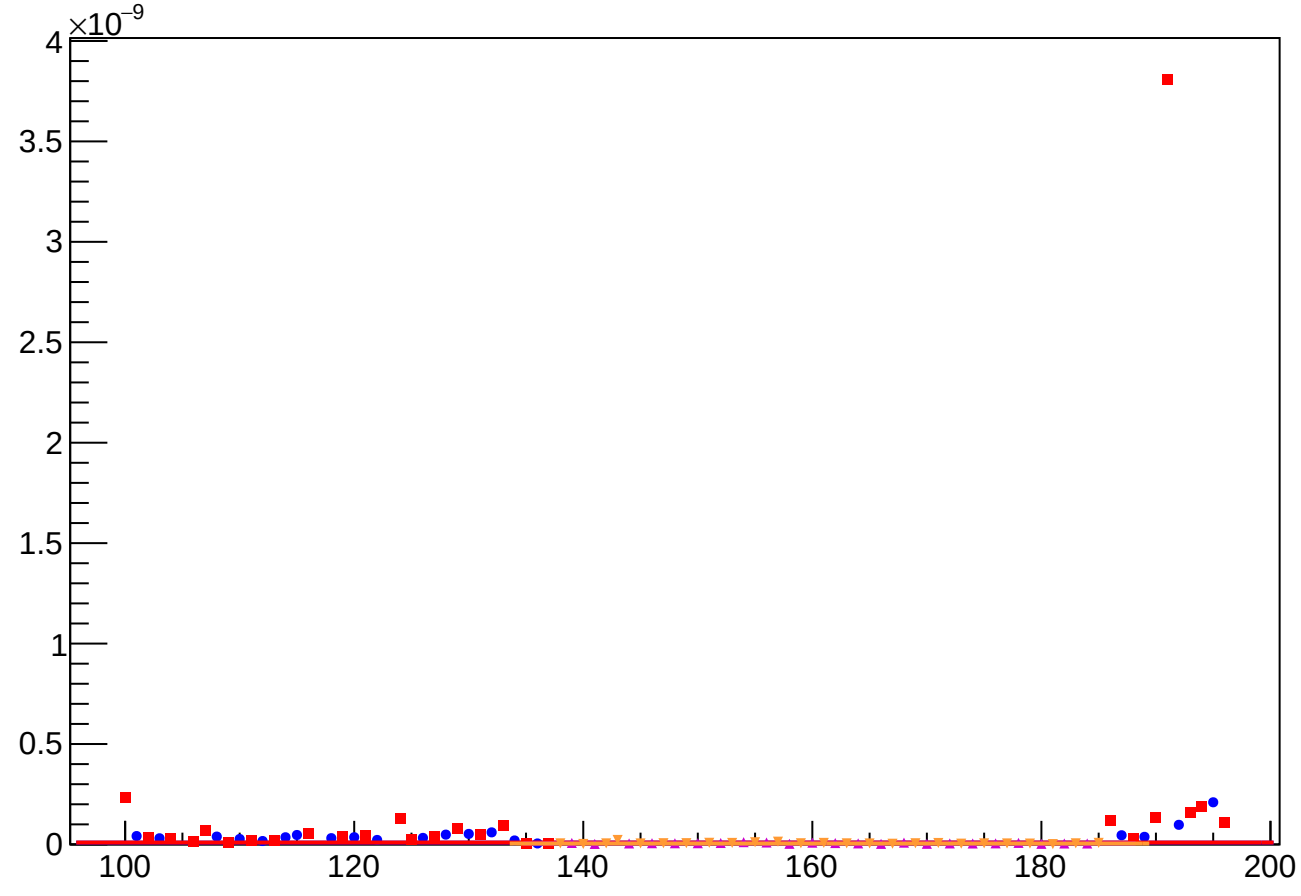
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/25

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/44

All: 0.000+/-0.000 χ^2/NDF: 102.2/93

- sign 0.000+/-0.000 χ^2/NDF: 64.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

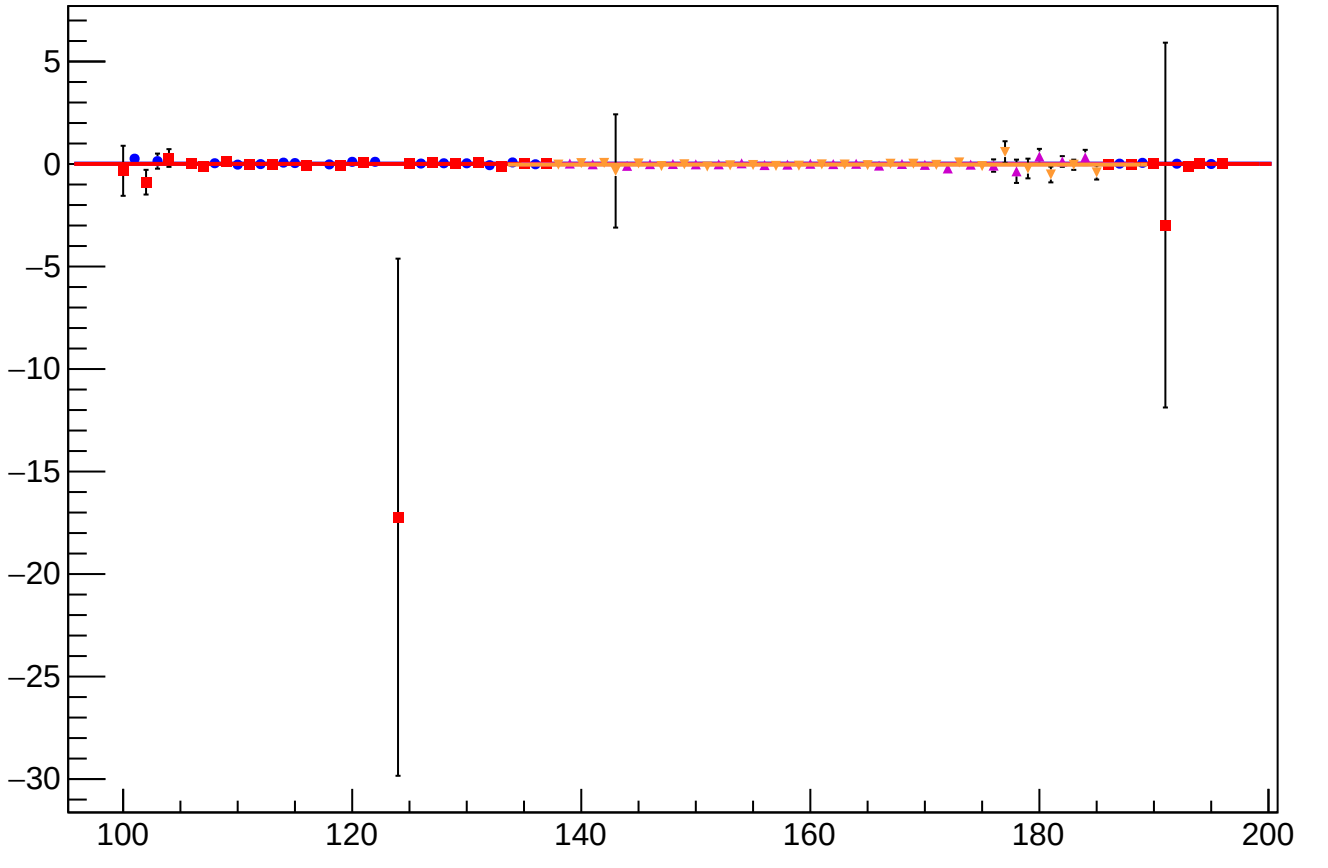
Right Out: 0.000+/-0.000 χ^2/NDF: 6299061.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7929399.4/44

All: 0.000+/-0.000 χ^2/NDF: 16805036.5/93

- sign 0.000+/-0.000 χ^2/NDF: 8850344.0/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

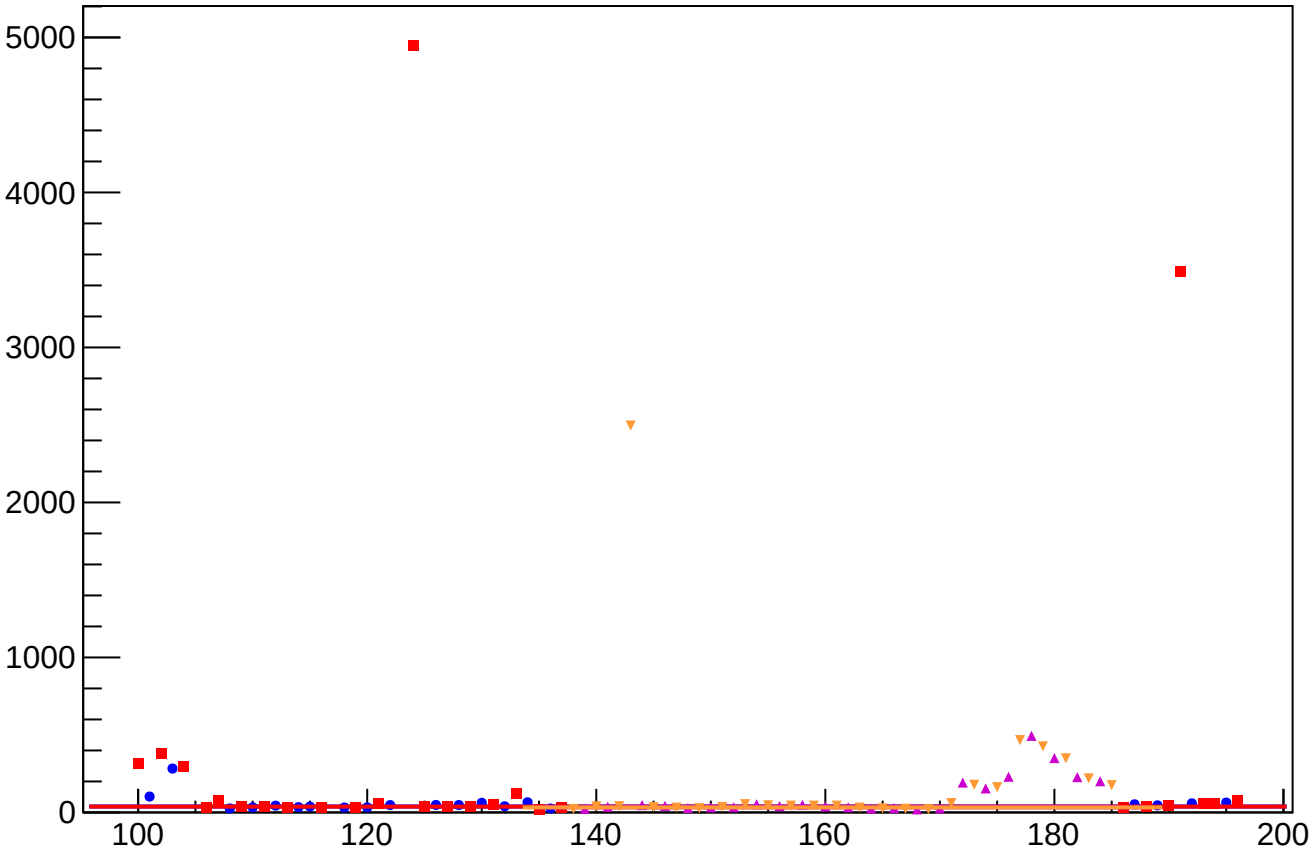
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

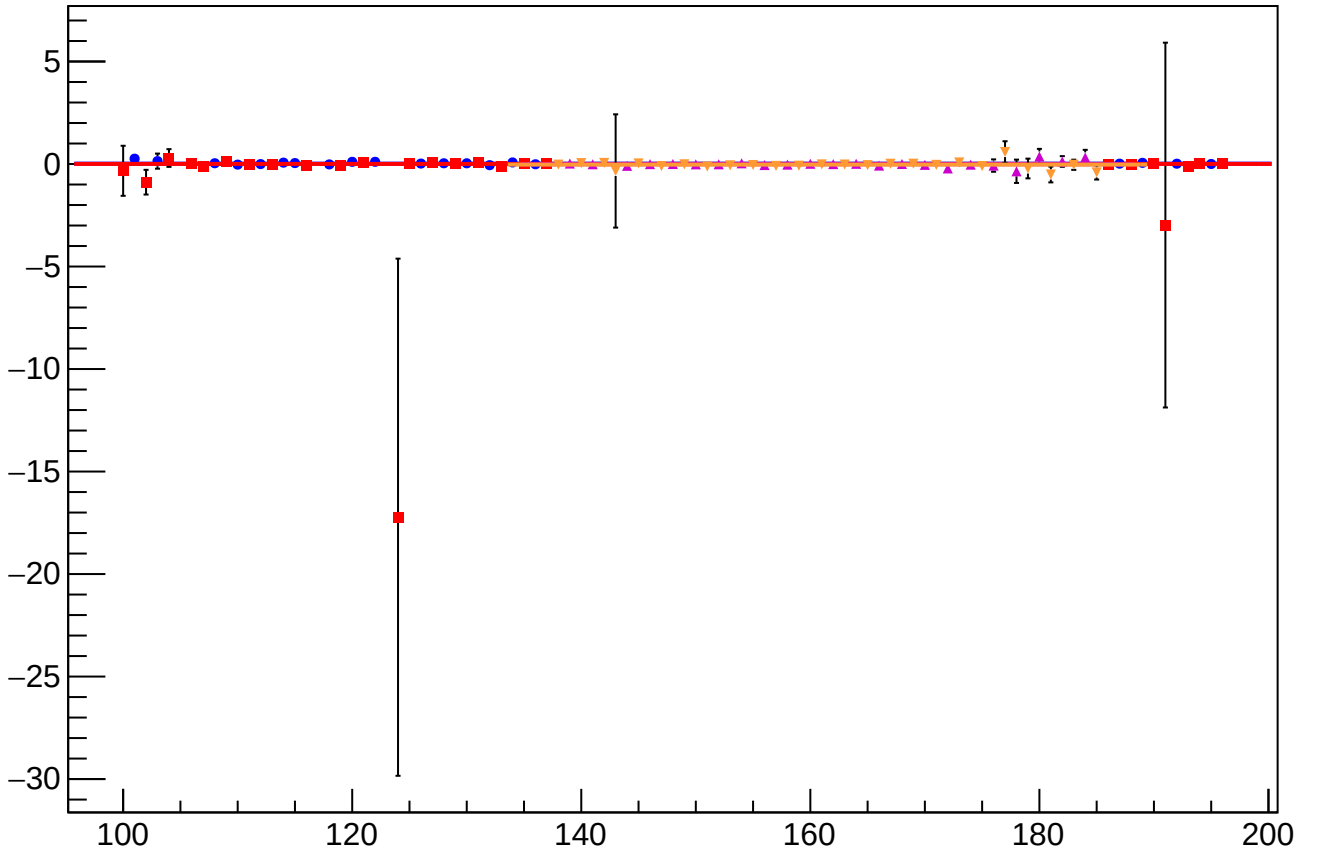
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.417+/-0.004 χ^2/NDF: 27245895.9/93

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

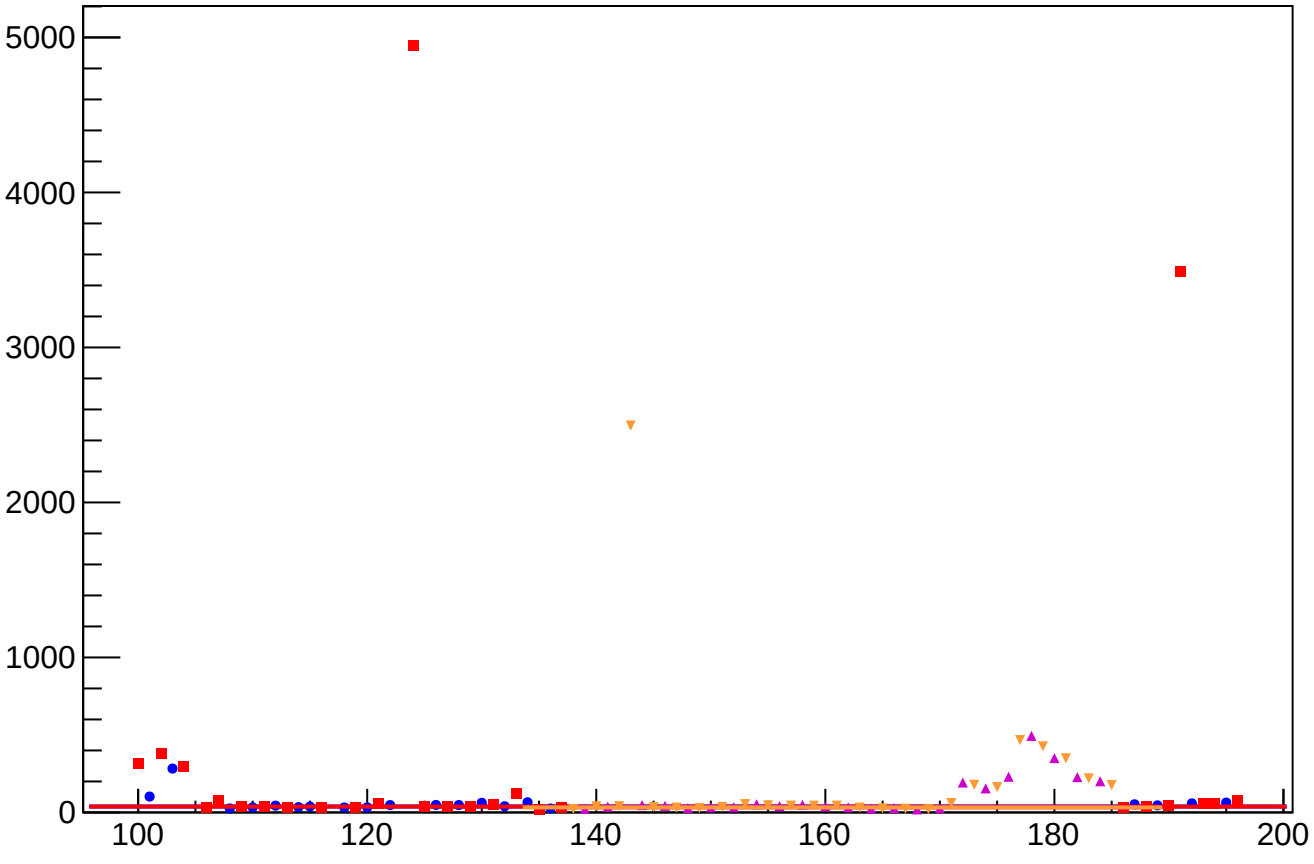
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

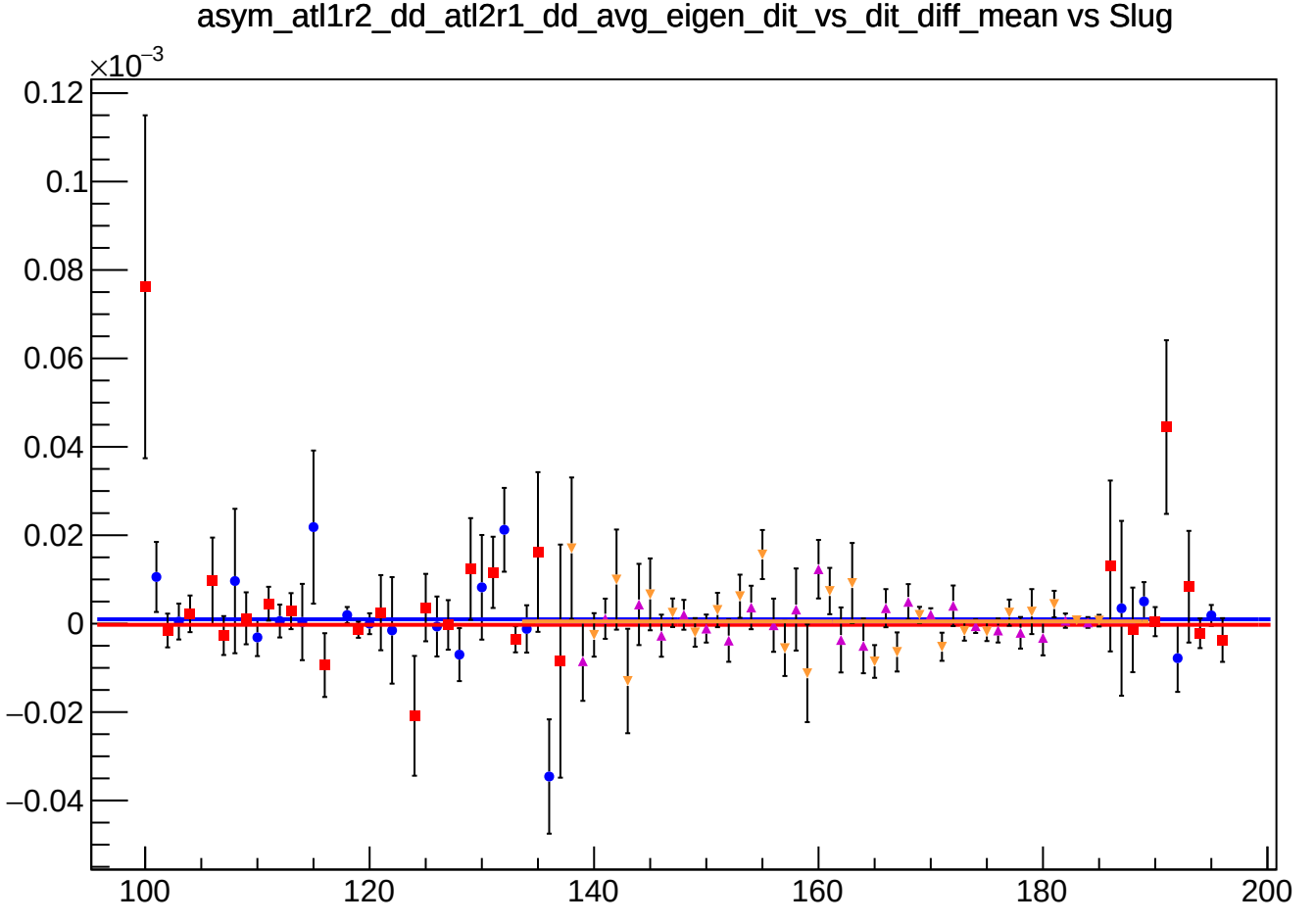
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

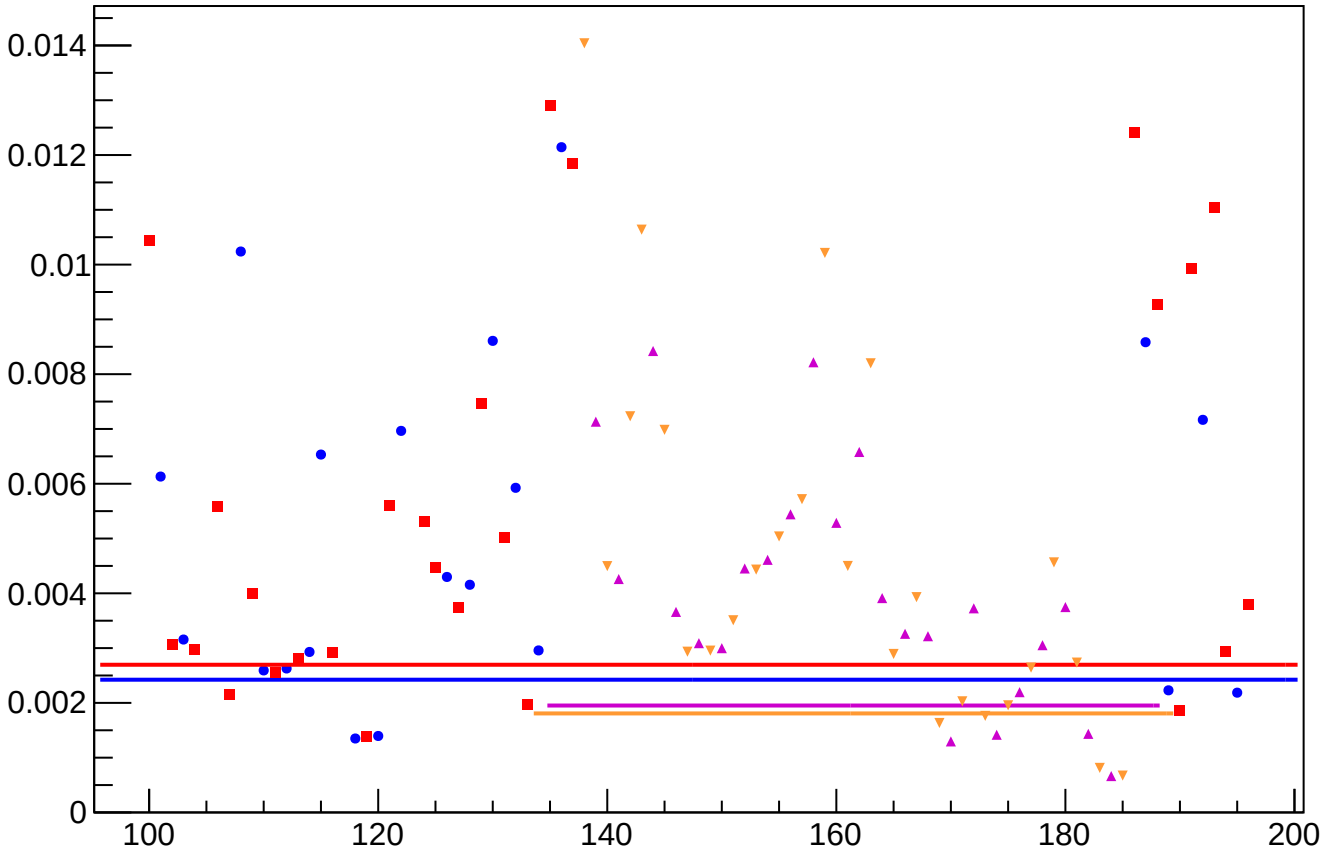
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.417+/-0.004 χ^2/NDF: 27245895.9/93

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.5/19
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.1/25
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 57.4/44
All: 0.000+/-0.000 χ²/NDF: 96.9/93
- sign 0.000+/-0.000 χ²/NDF: 39.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 5718326.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

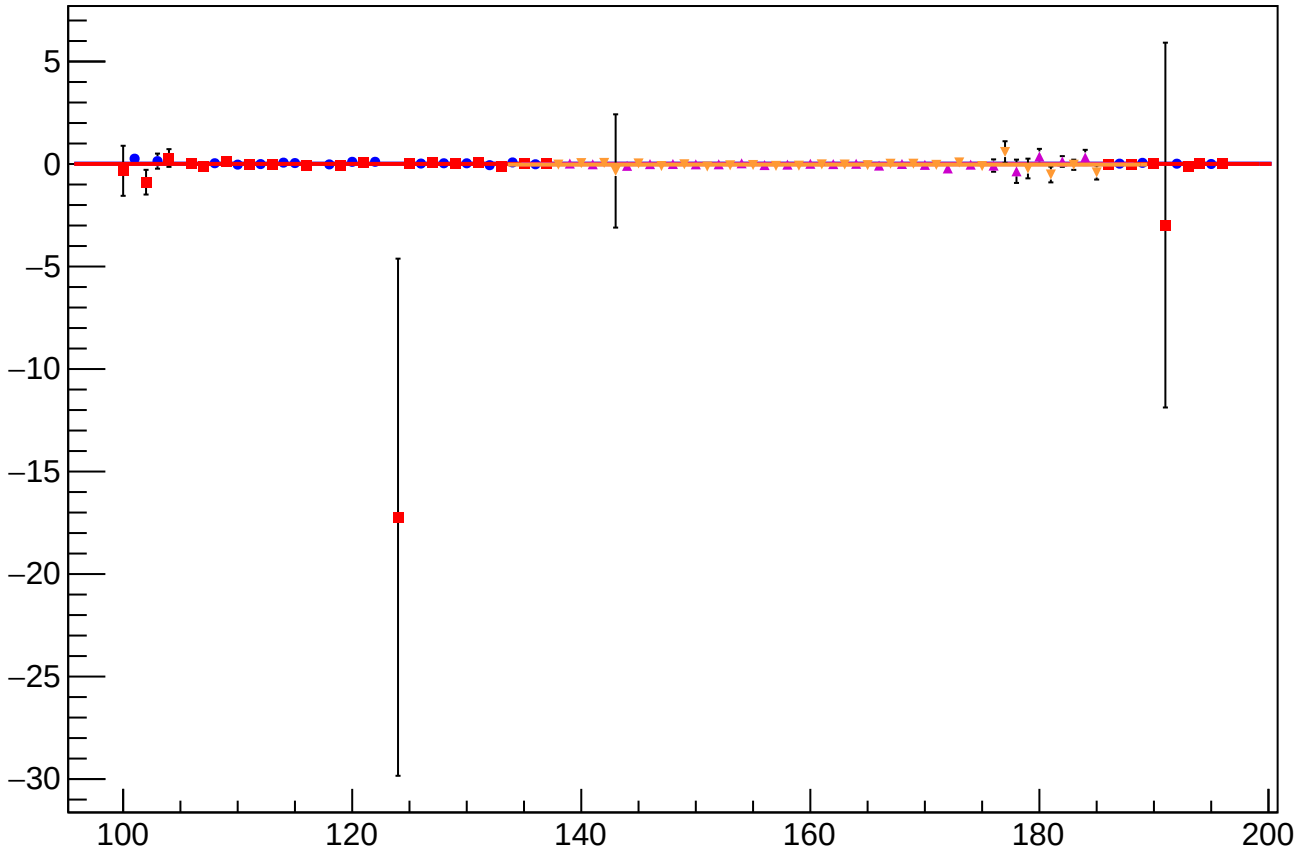
Right Out: 0.003+/-0.000 χ^2/NDF: 6286975.1/25

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21273241.3/44

All: 0.002+/-0.000 χ^2/NDF: 40112091.0/93

- sign 0.002+/-0.000 χ^2/NDF: 18663645.9/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

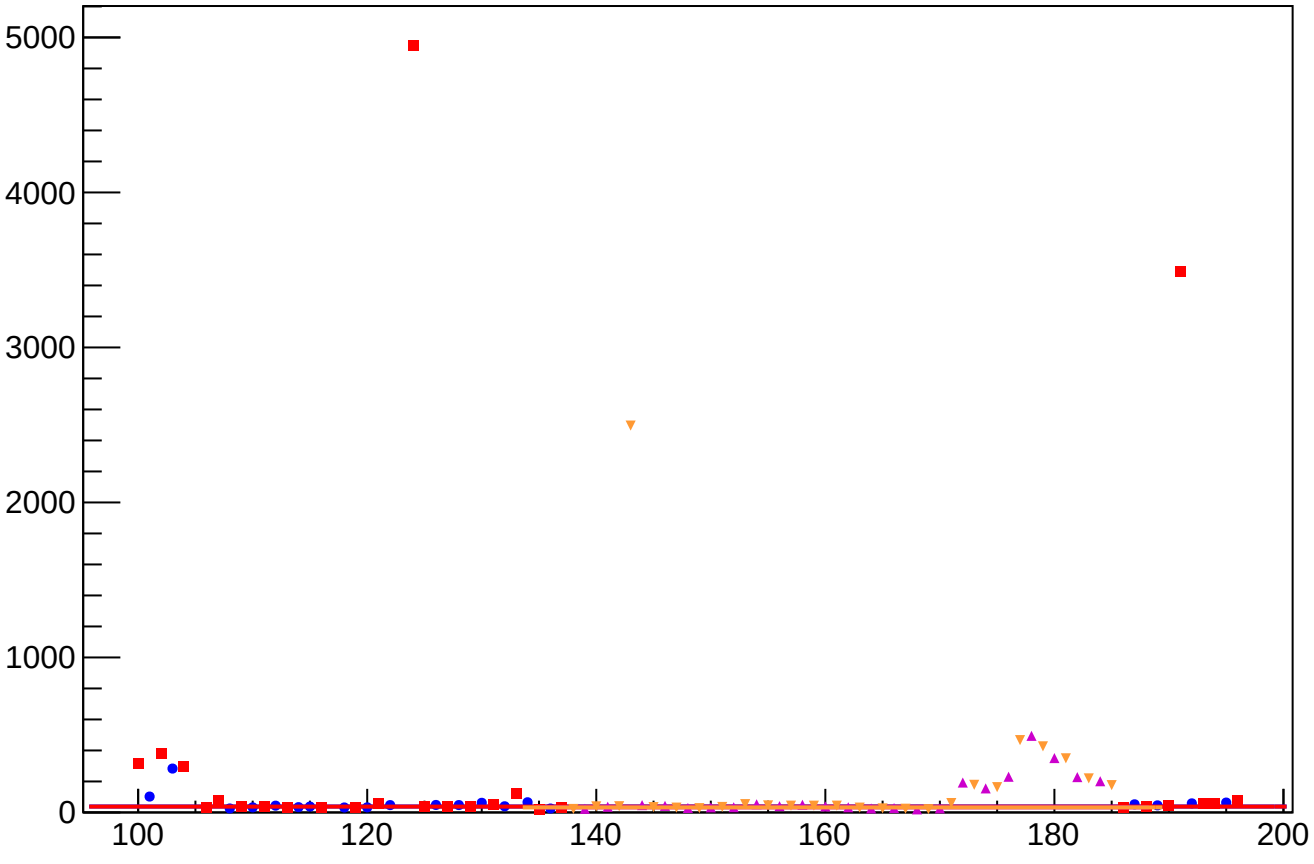
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

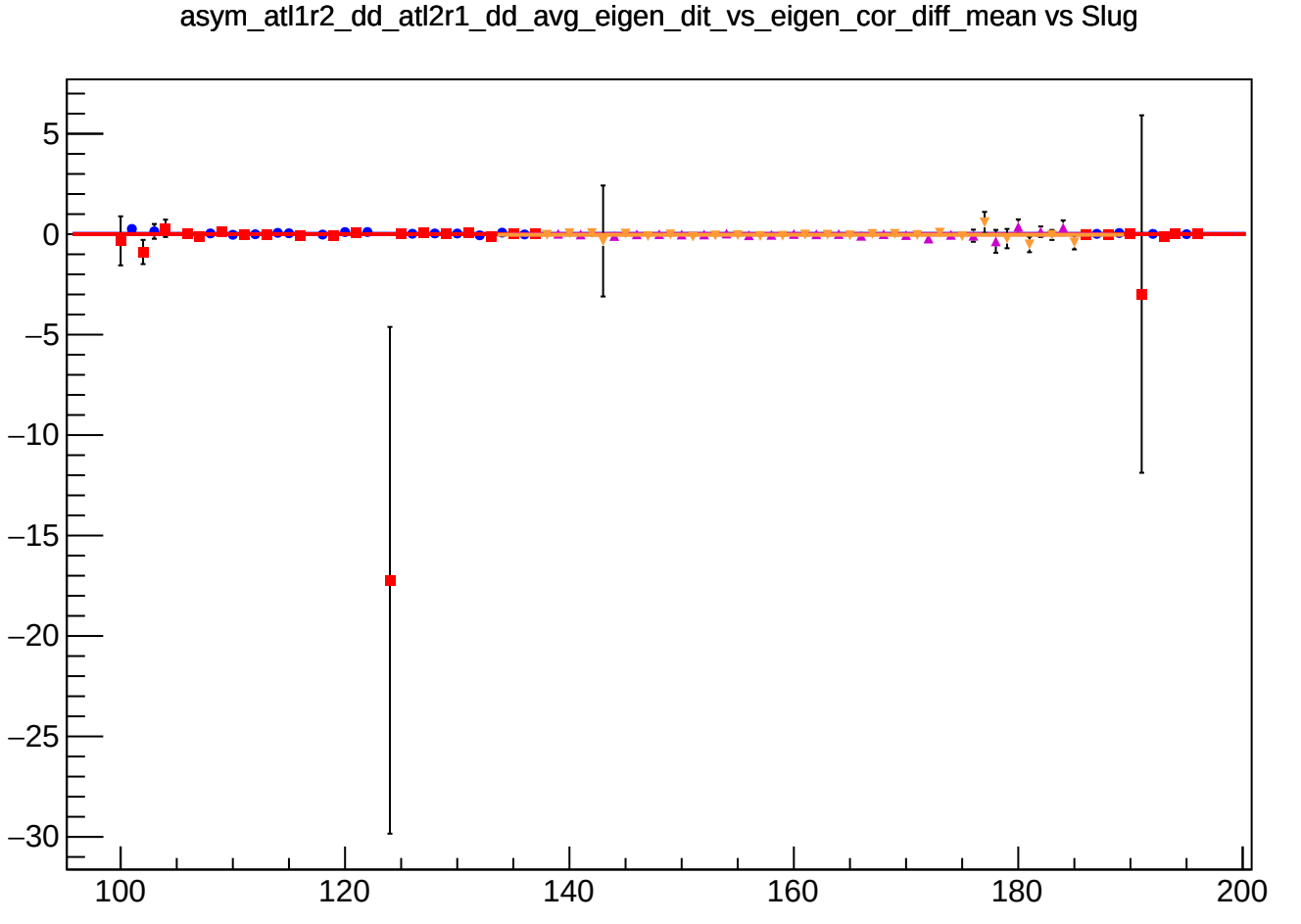
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.417+/-0.004 χ^2/NDF: 27246365.4/93

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

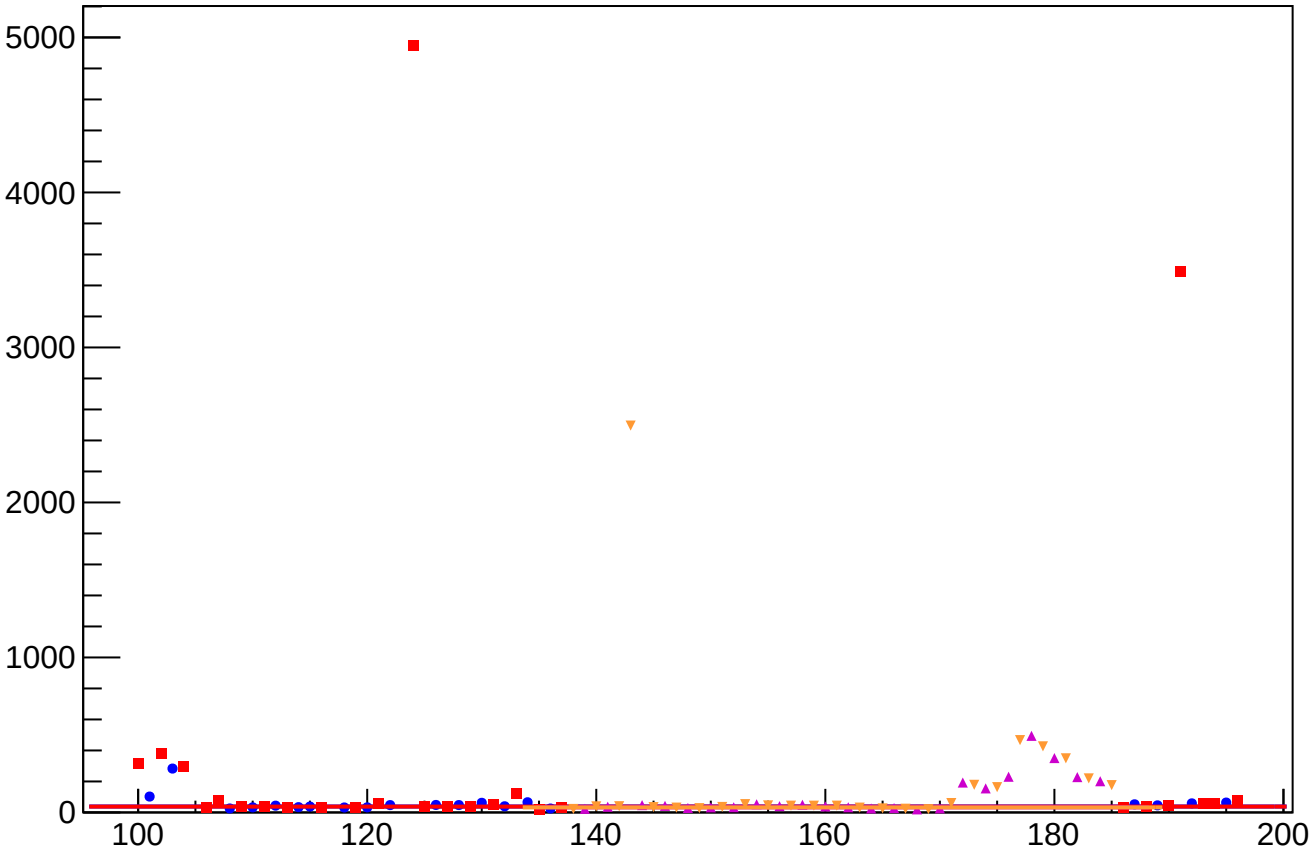
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.9/93

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

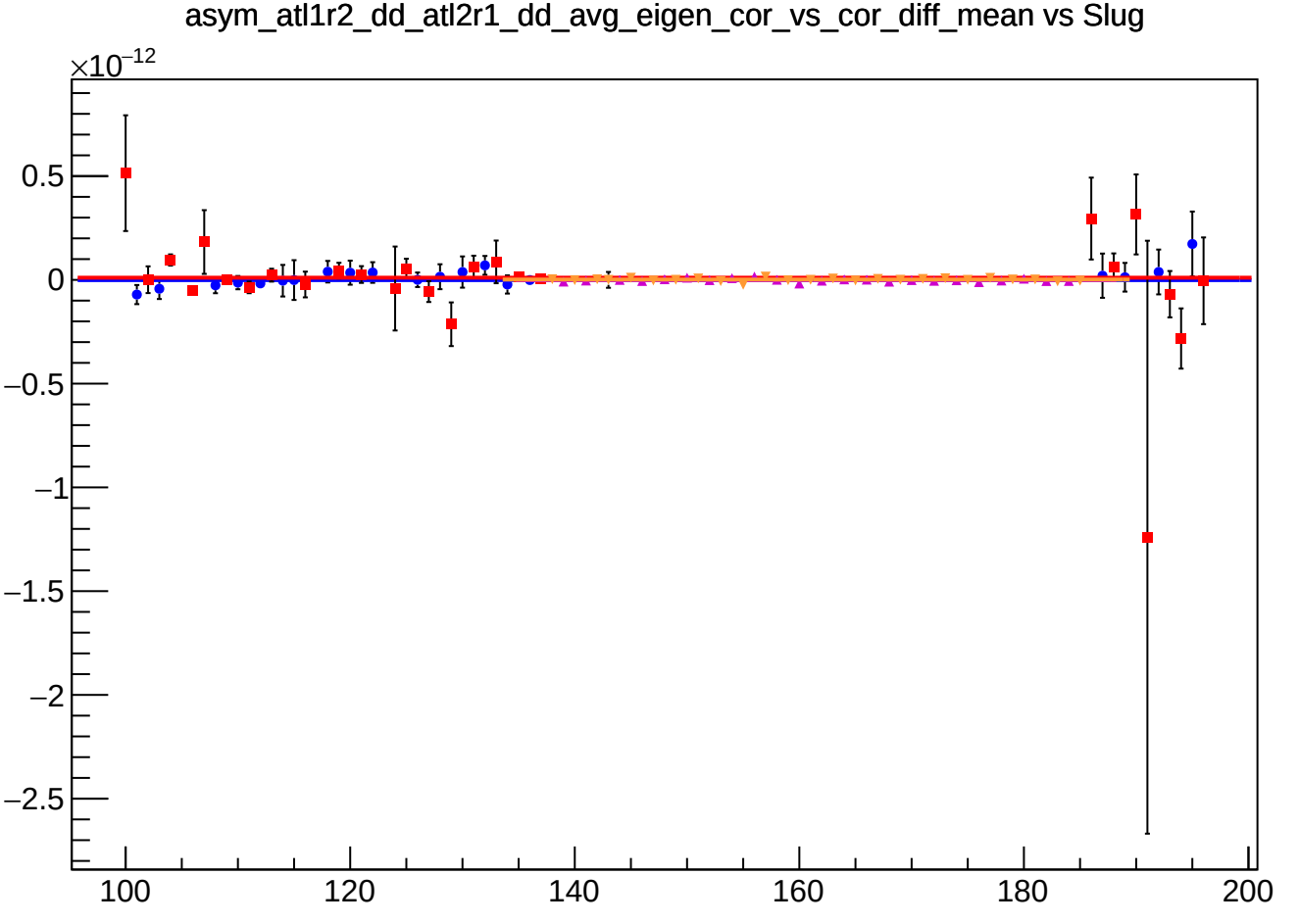
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.417+/-0.004 χ^2/NDF: 27246365.4/93

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

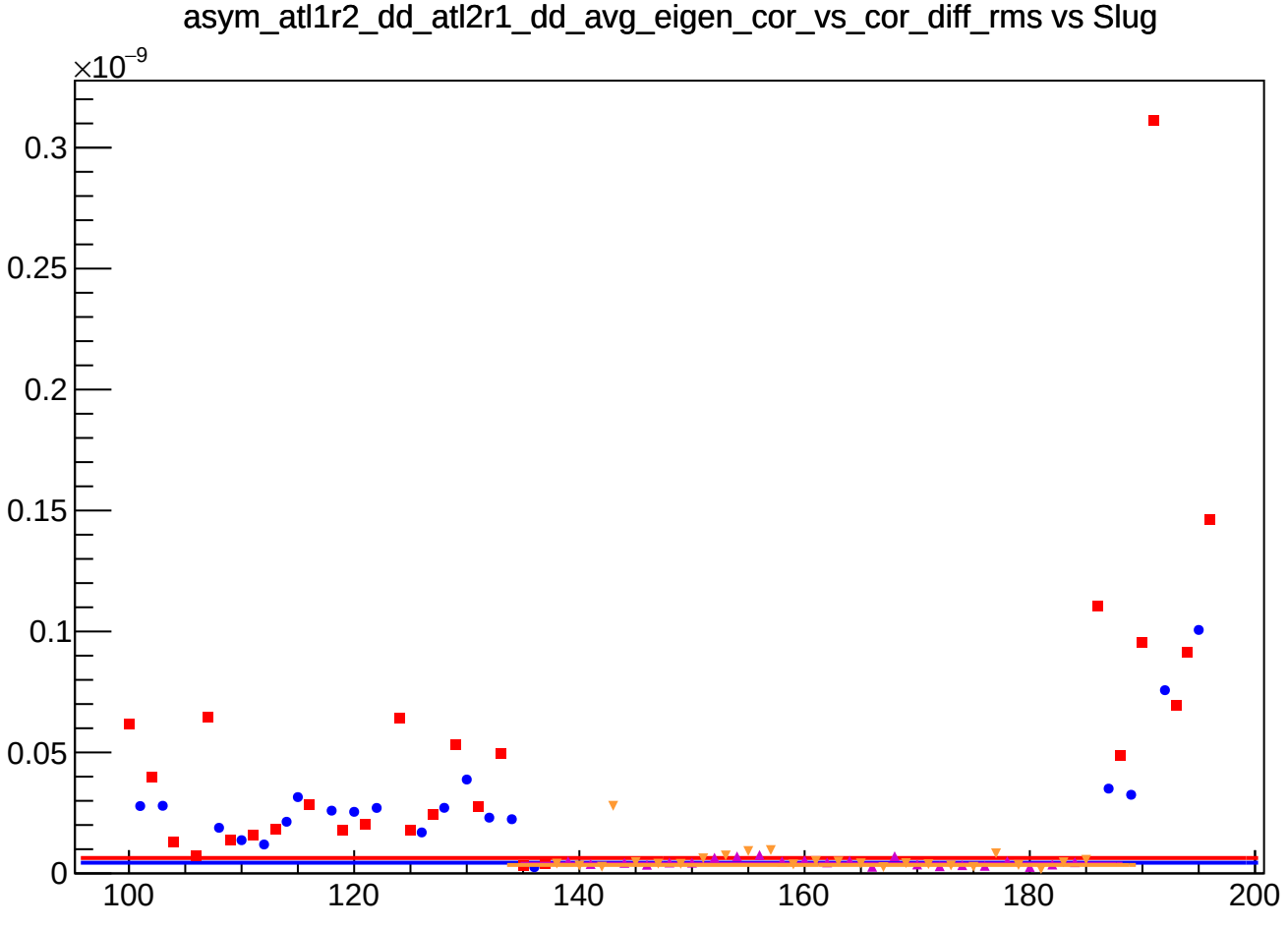
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/25

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/44

All: 0.000+/-0.000 χ^2/NDF: 116.3/93

- sign -0.000+/-0.000 χ^2/NDF: 86.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 7214013.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9042089.6/25

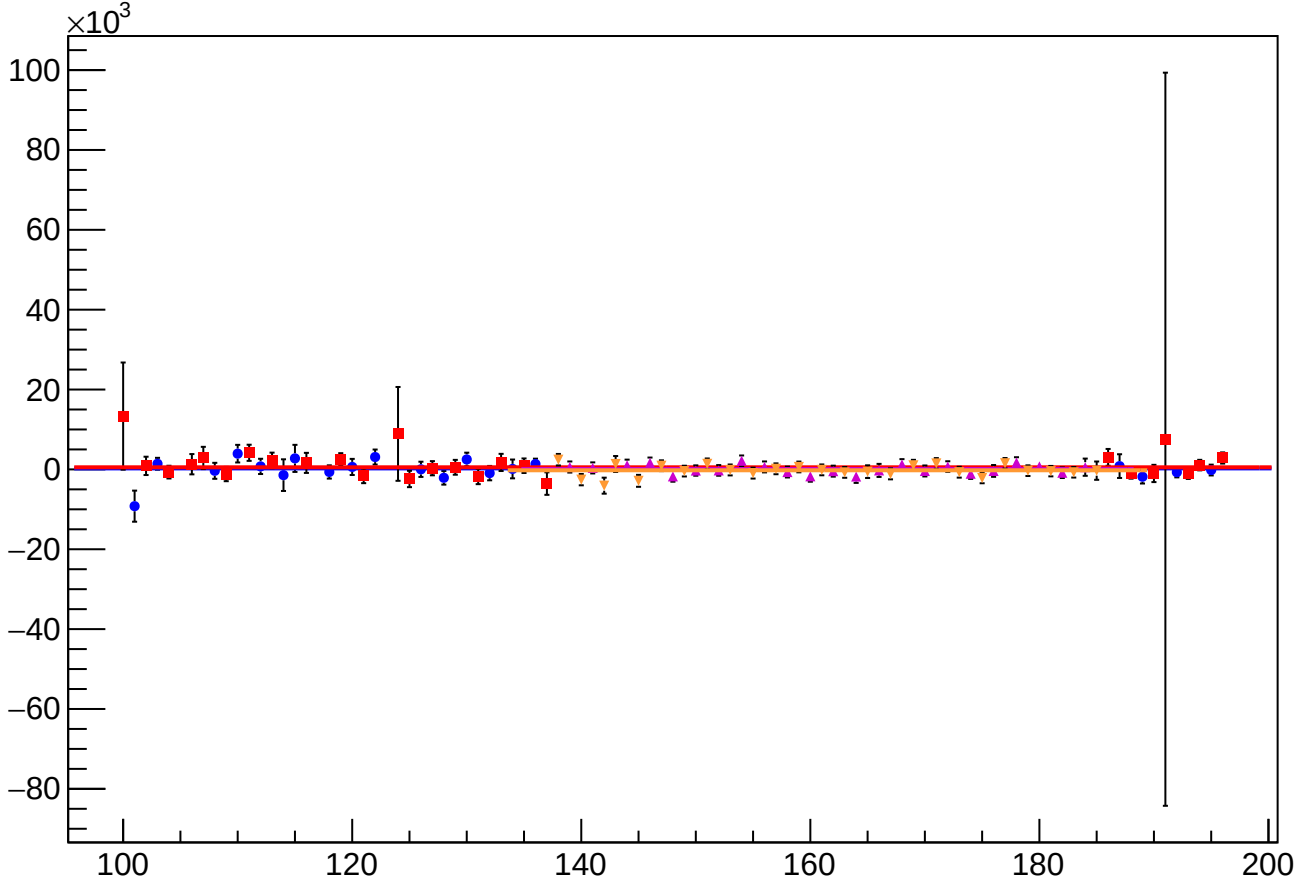
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12036302.1/44

All: 0.000+/-0.000 χ^2/NDF: 24056775.6/93

- sign 0.000+/-0.000 χ^2/NDF: 11733268.9/48

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 249.022+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 523.904+/-381.285 χ^2/NDF: 24.0/25

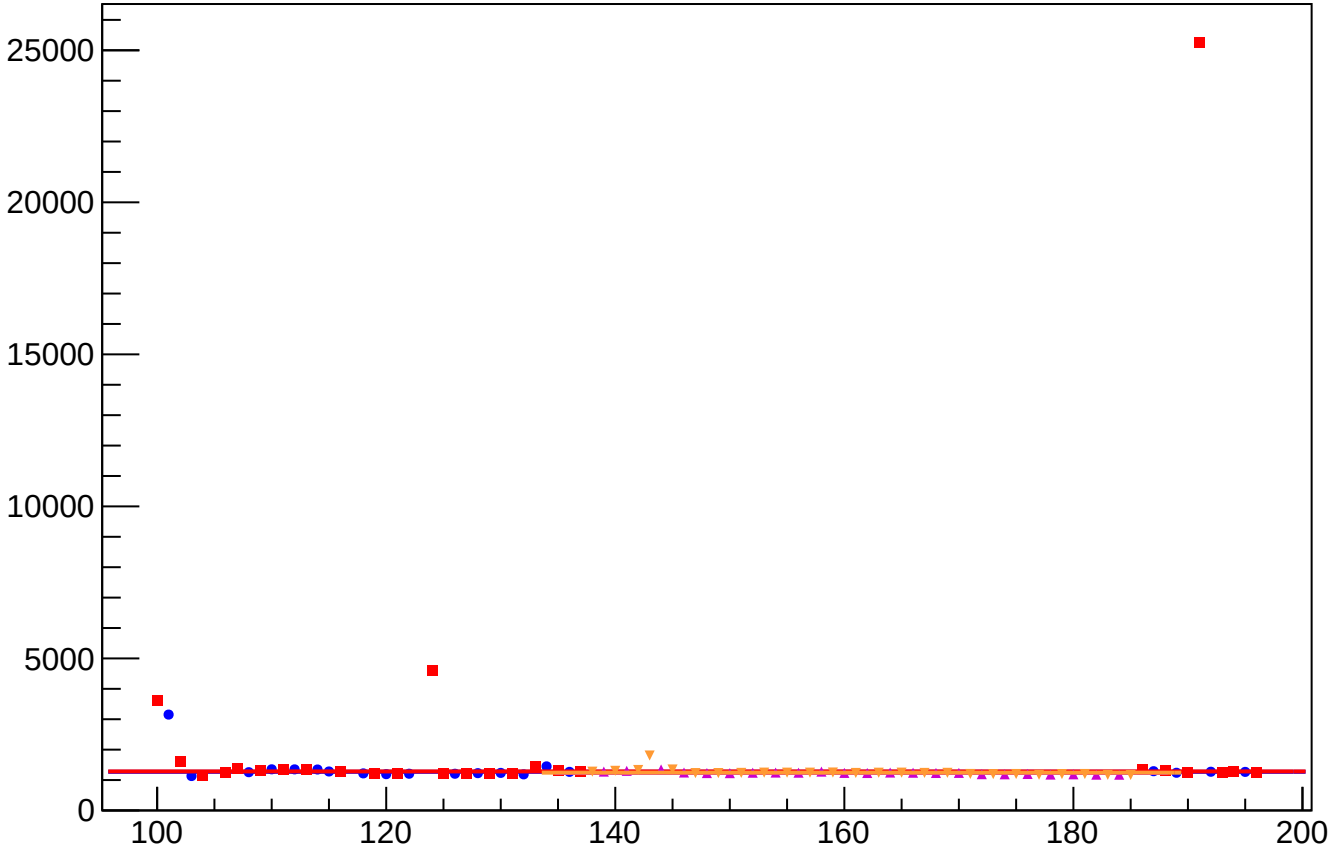
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -69.941+/-233.244 χ^2/NDF: 44.5/44

All: 91.974+/-163.740 χ^2/NDF: 85.0/93

- sign 249.306+/-229.920 χ^2/NDF: 39.5/48

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520105.1/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

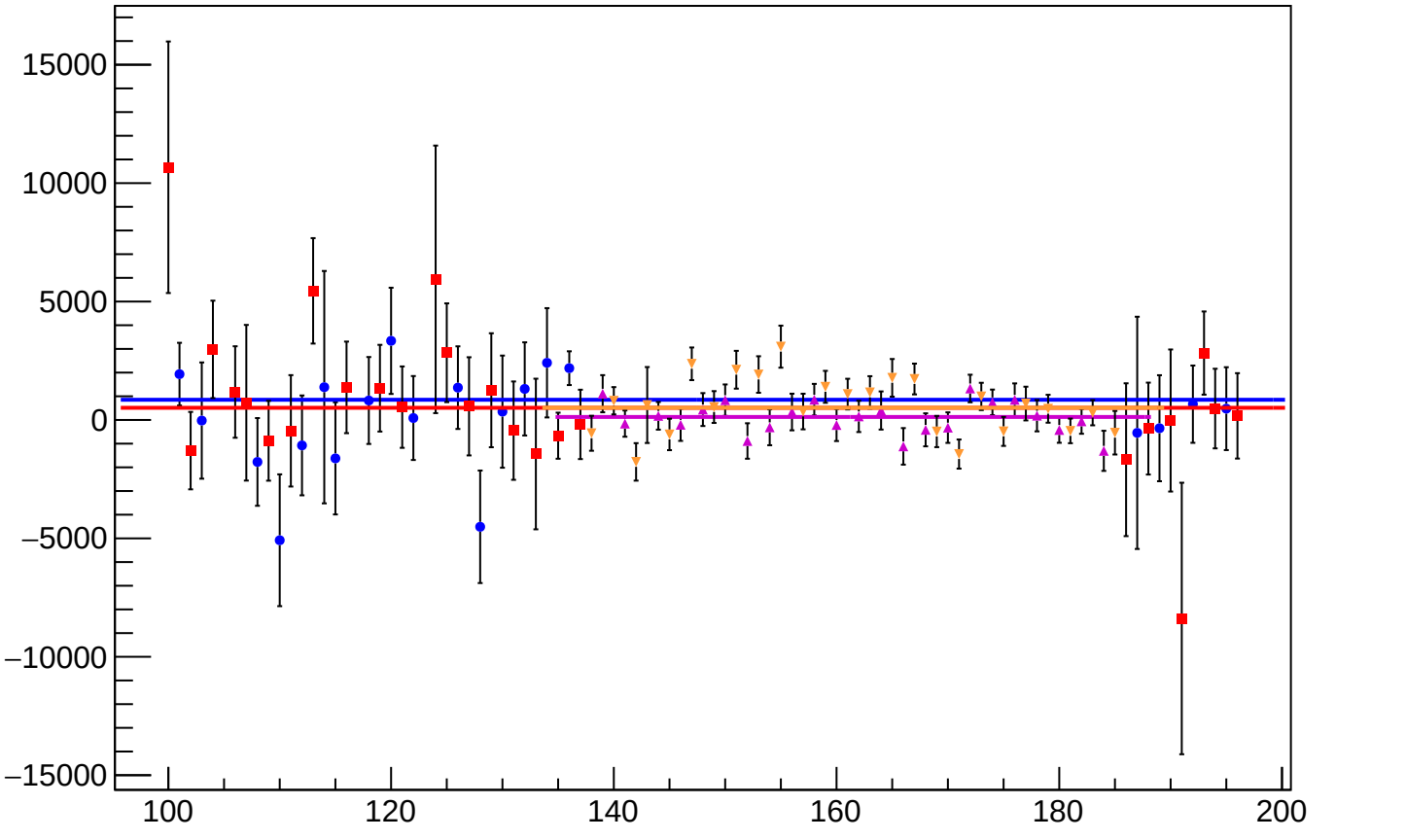
Right Out: 1283.835+/-0.270 χ^2/NDF: 468310.2/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729679.4/44

All: 1251.887+/-0.116 χ^2/NDF: 1259231.3/93

- sign 1251.964+/-0.163 χ^2/NDF: 529551.5/48



Right In: 852.797+/-393.502 χ^2/NDF: 20.4/19

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

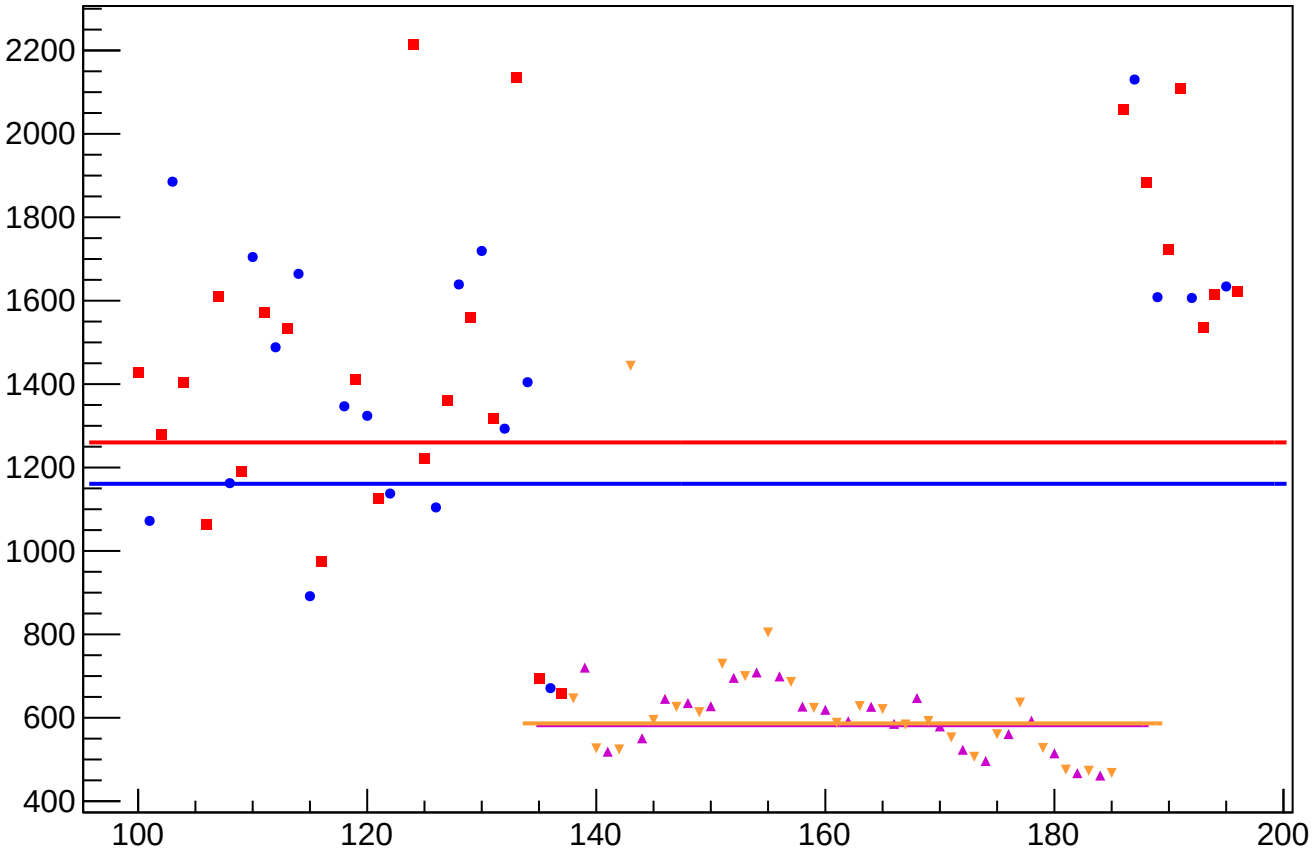
Right Out: 513.469+/-387.589 χ^2/NDF: 22.0/25

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.526+/-128.325 χ^2/NDF: 88.1/44

All: 362.691+/-91.114 χ^2/NDF: 137.0/93

- sign 169.688+/-129.391 χ^2/NDF: 44.5/48



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1260.190+/-0.274 χ^2/NDF: 2094204.0/25

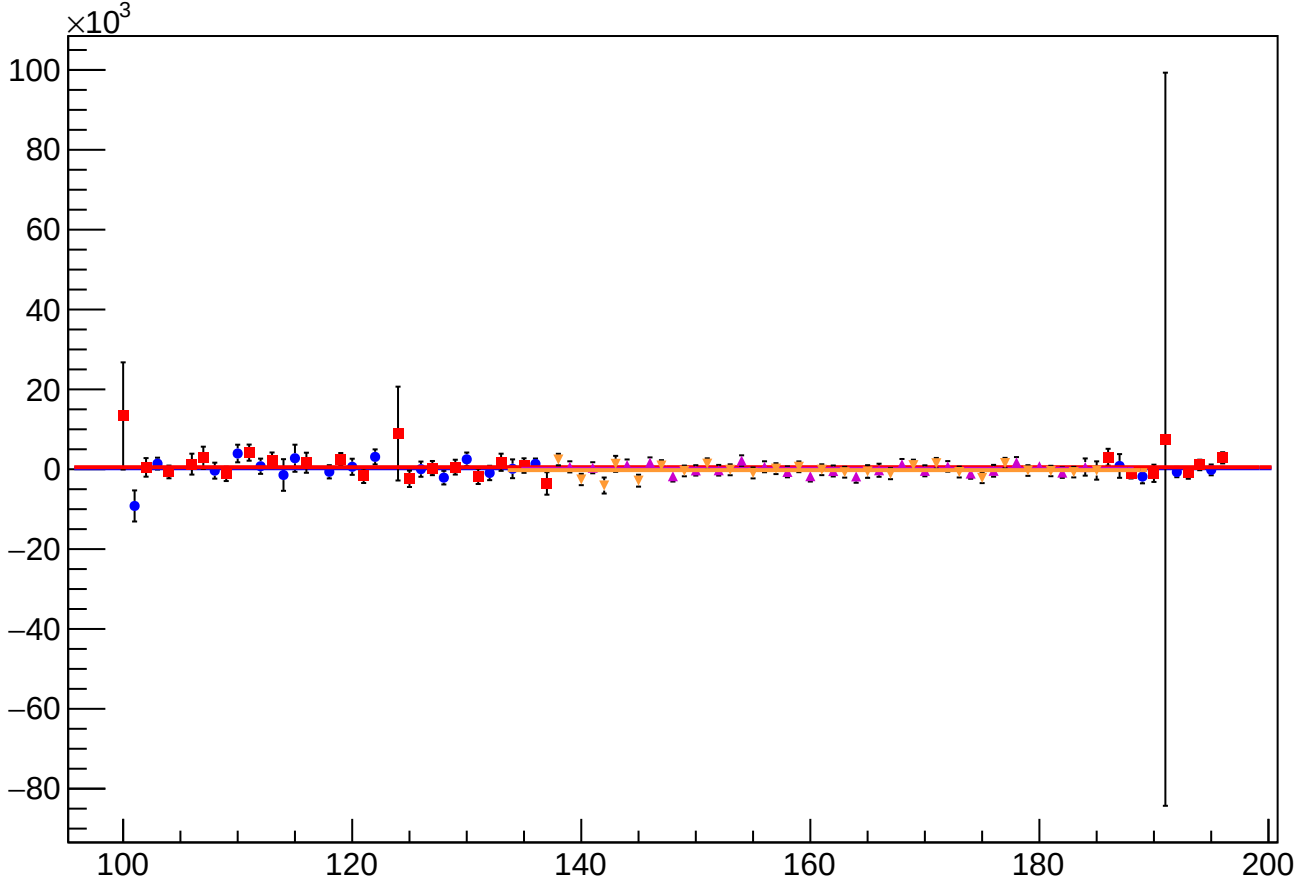
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 647.648+/-0.091 χ^2/NDF: 7021324.1/44

All: 652.658+/-0.064 χ^2/NDF: 15118820.1/93

- sign 657.751+/-0.091 χ^2/NDF: 8091348.1/48

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

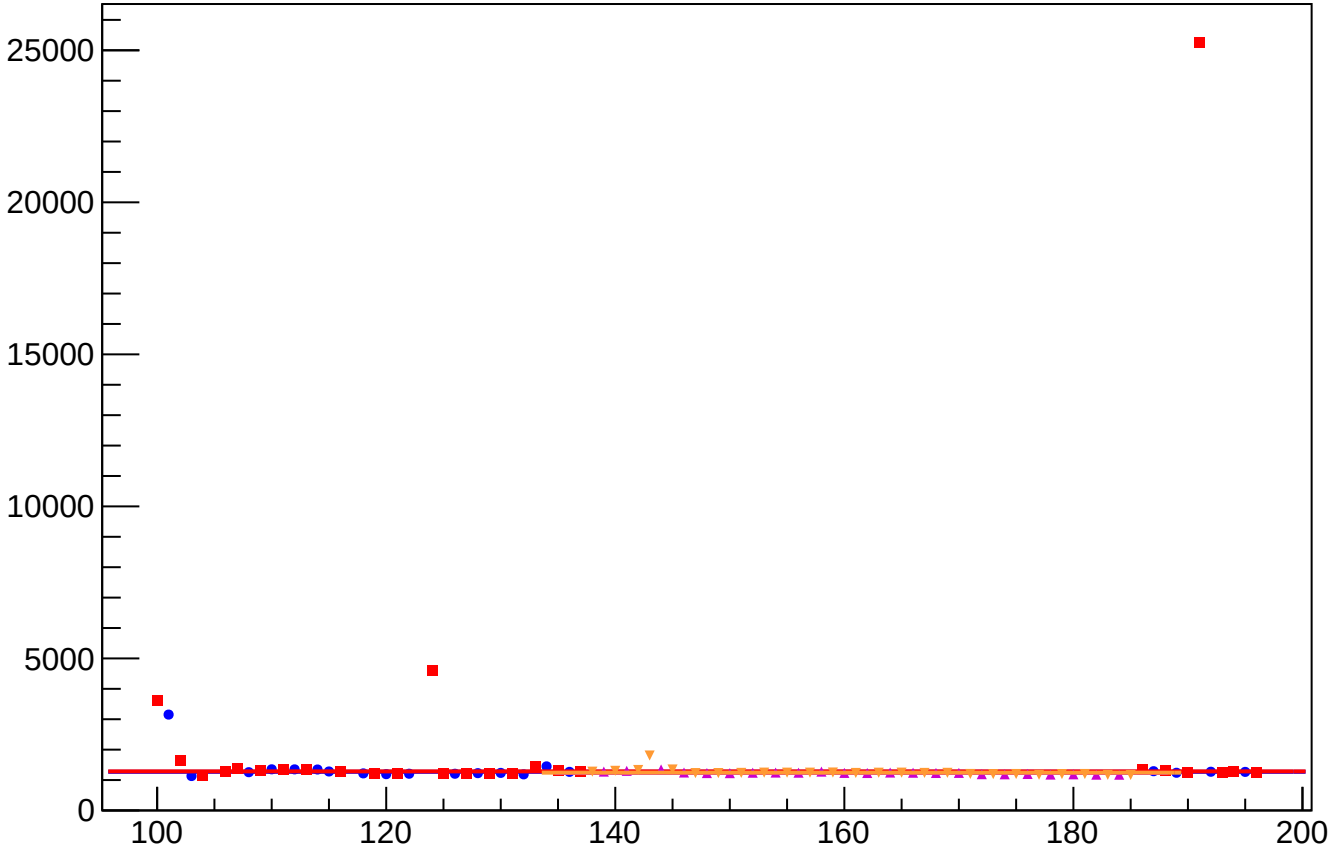
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 89.485+/-163.773 χ^2/NDF: 84.8/93

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

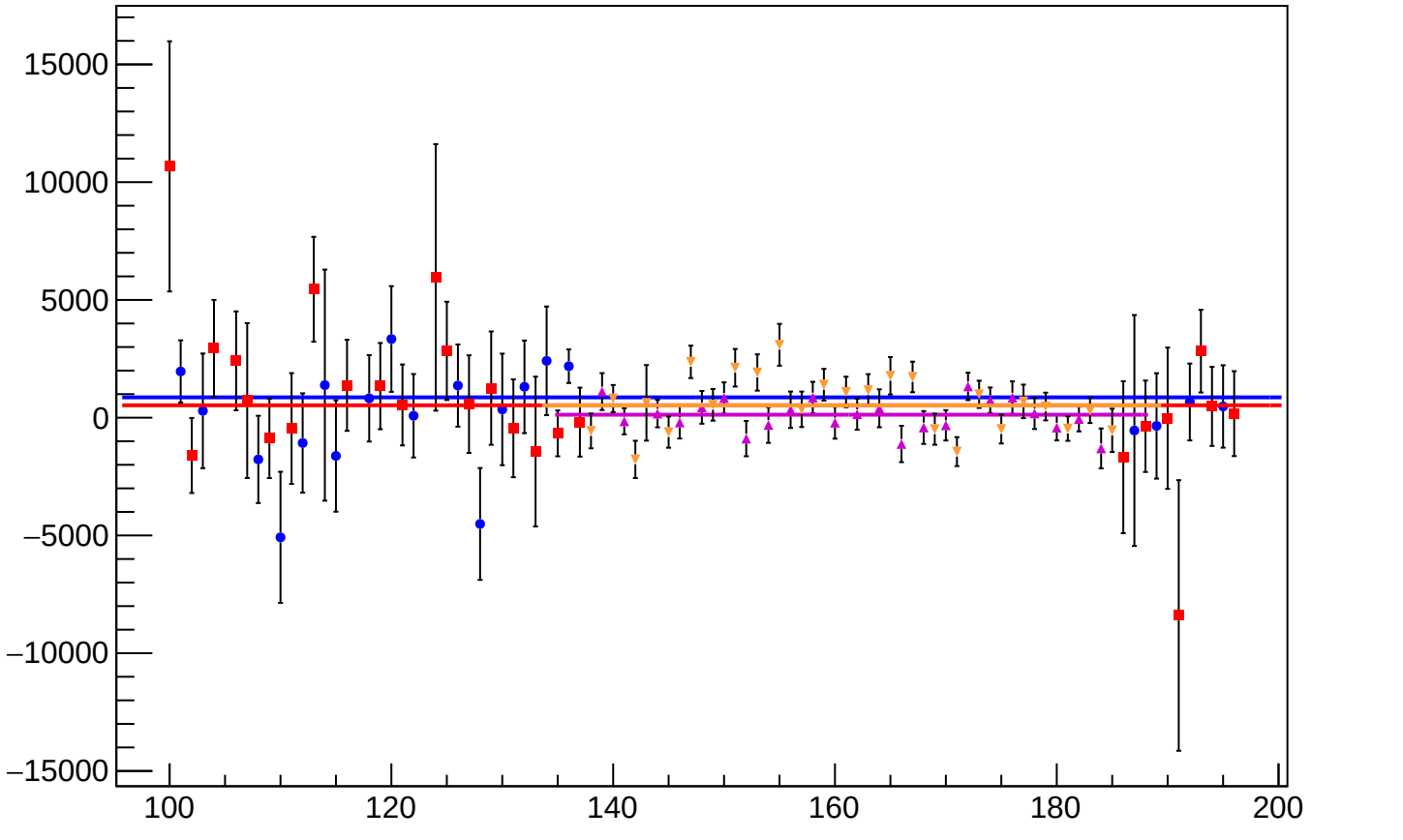
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1252.140+/-0.116 χ^2/NDF: 1267106.8/93

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

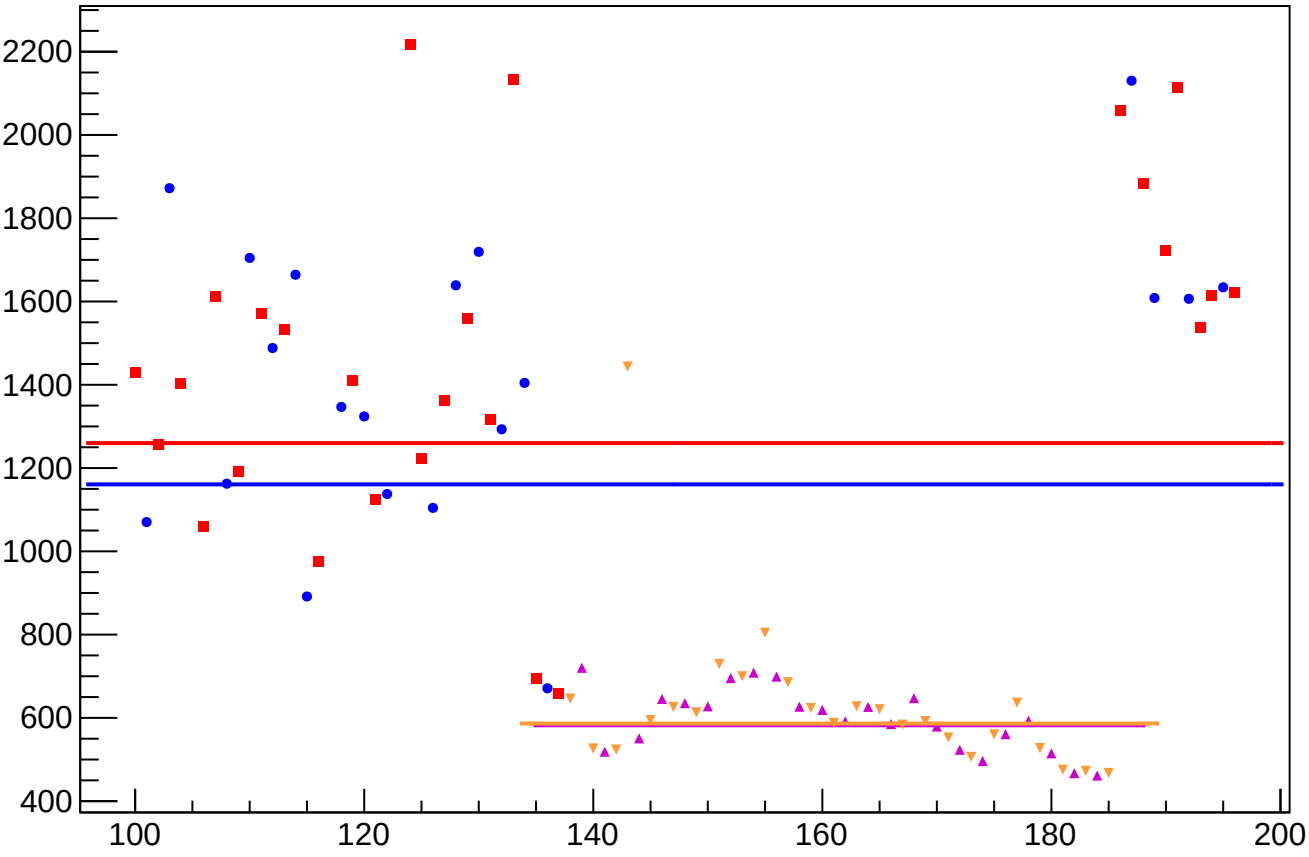
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 363.994+/-91.120 χ^2/NDF: 138.2/93

- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

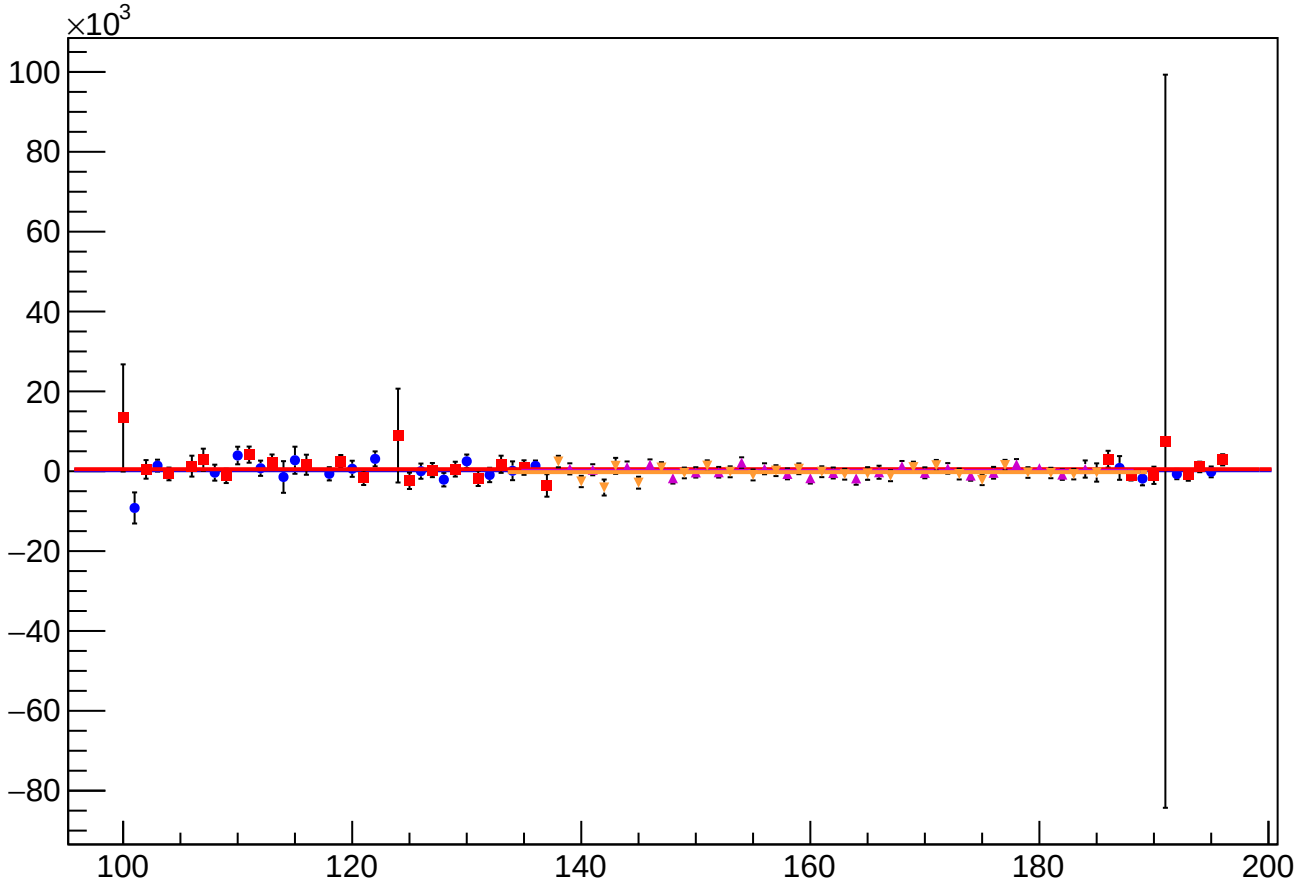
Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 652.555+/-0.064 χ^2/NDF: 15094780.3/93

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

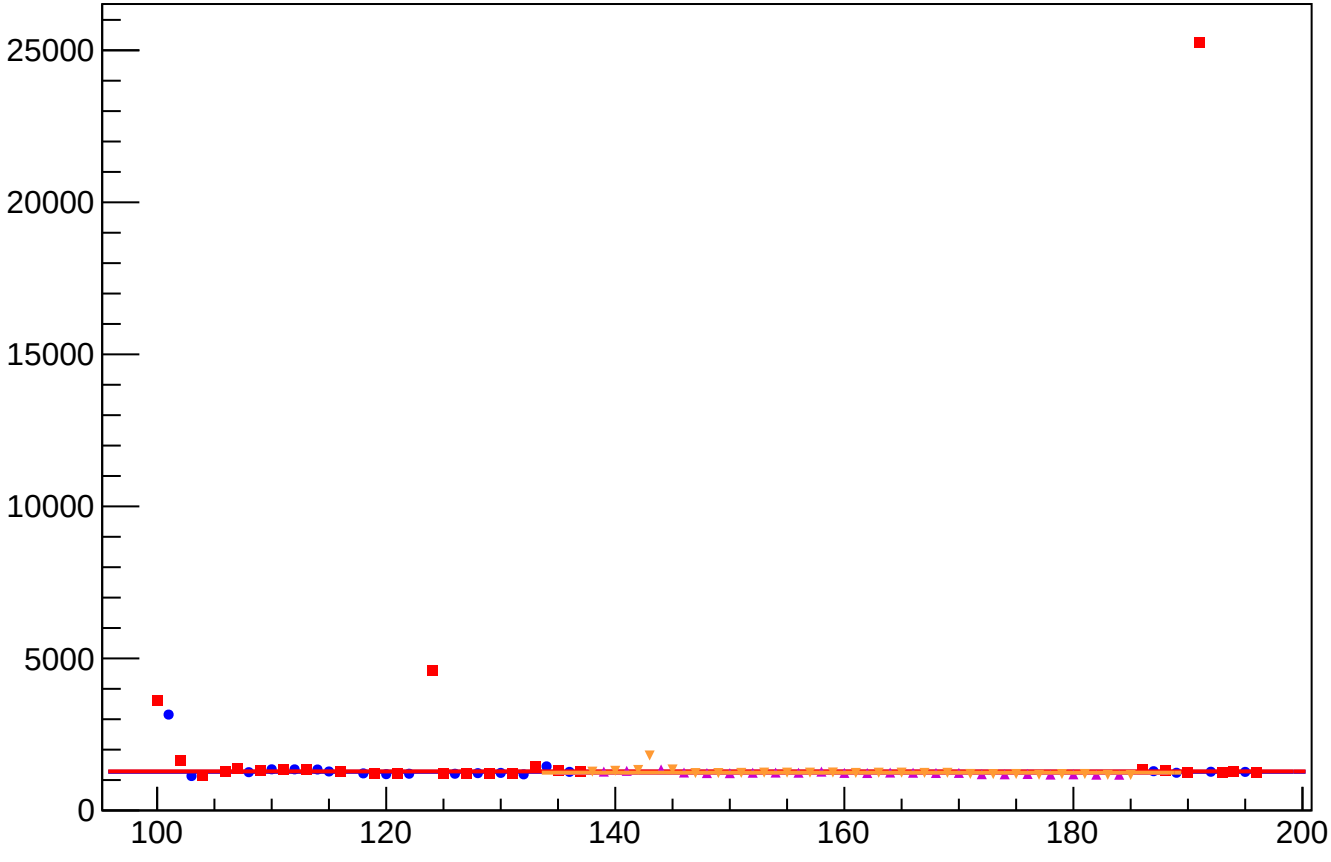
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 89.485+/-163.773 χ^2/NDF: 84.8/93

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

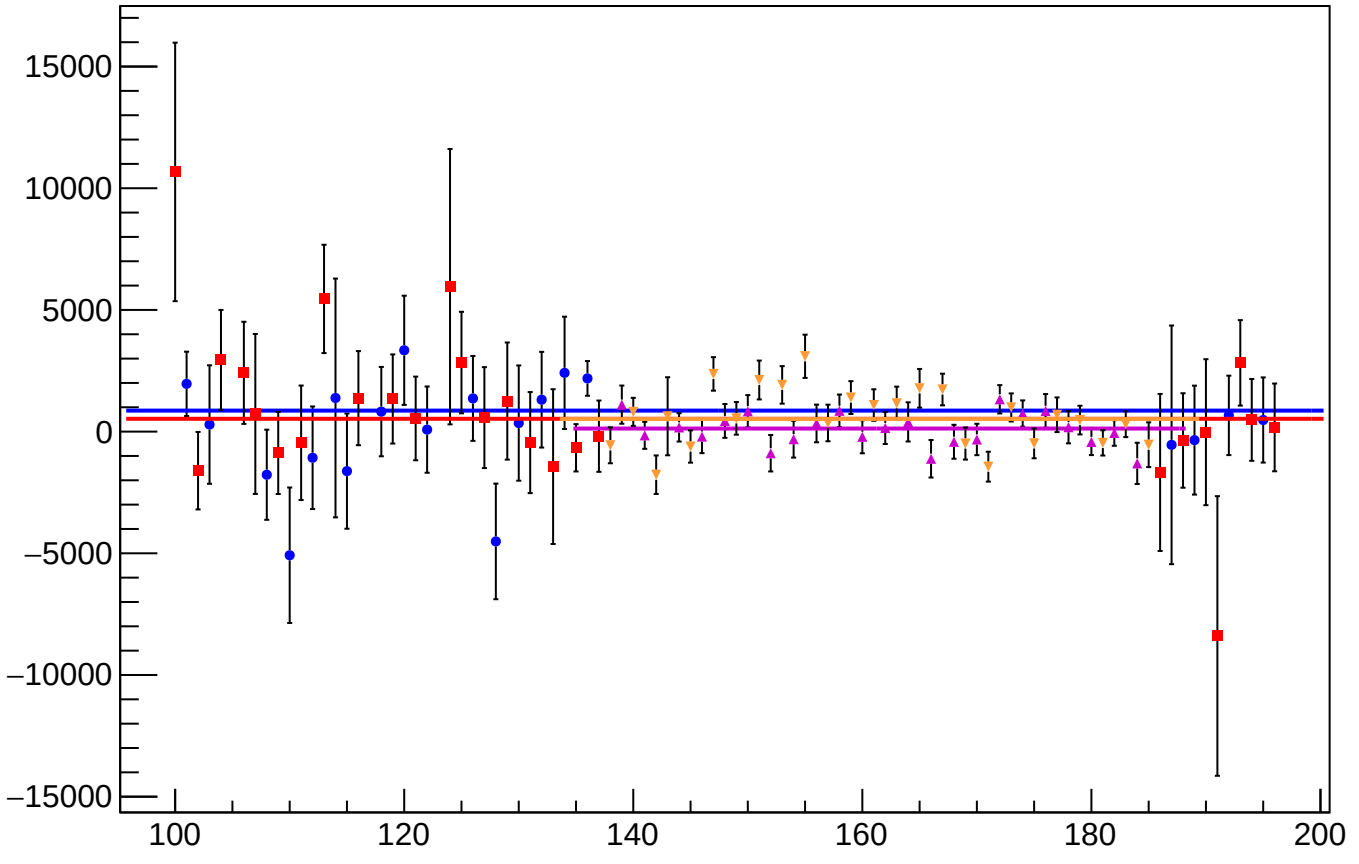
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1252.140+/-0.116 χ^2/NDF: 1267106.8/93

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

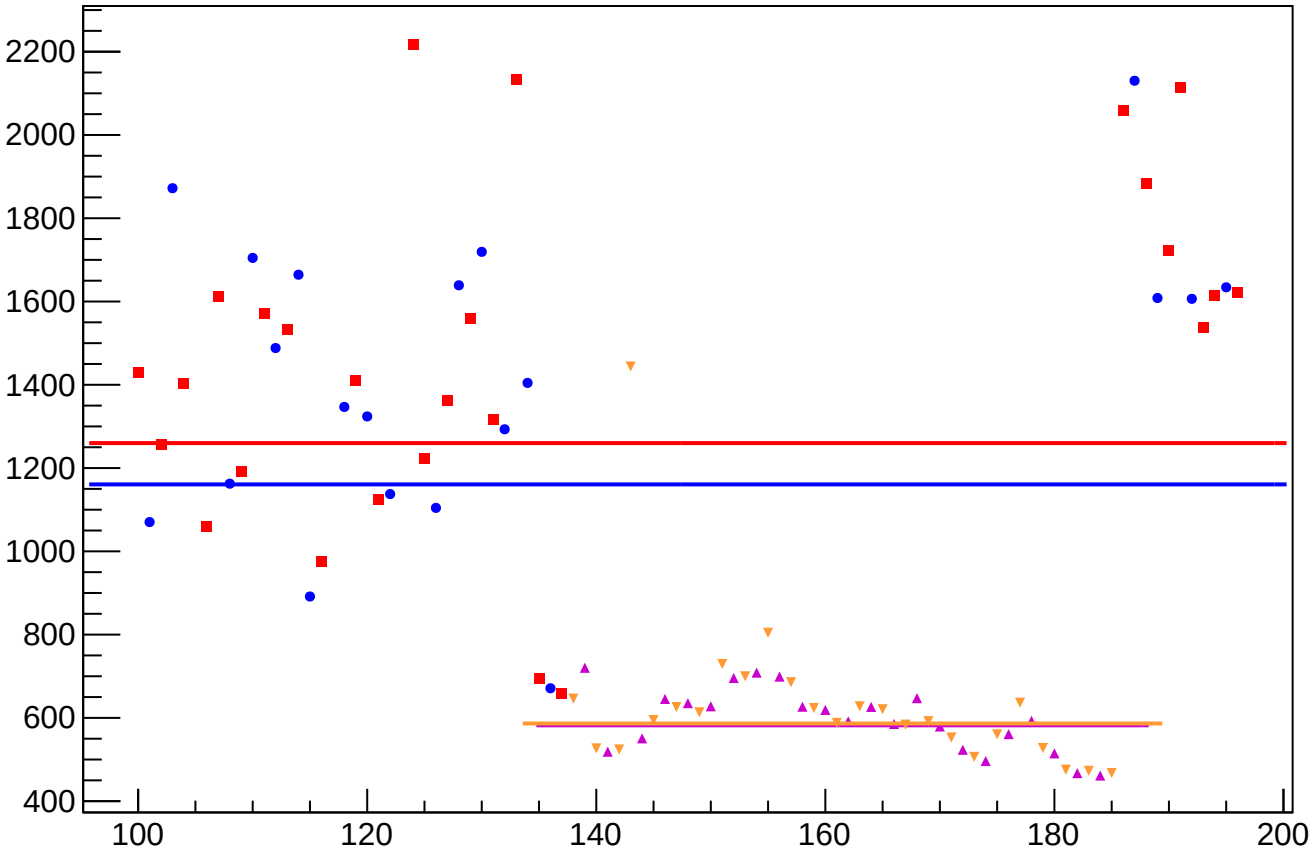
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 363.994+/-91.120 χ^2/NDF: 138.2/93

- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

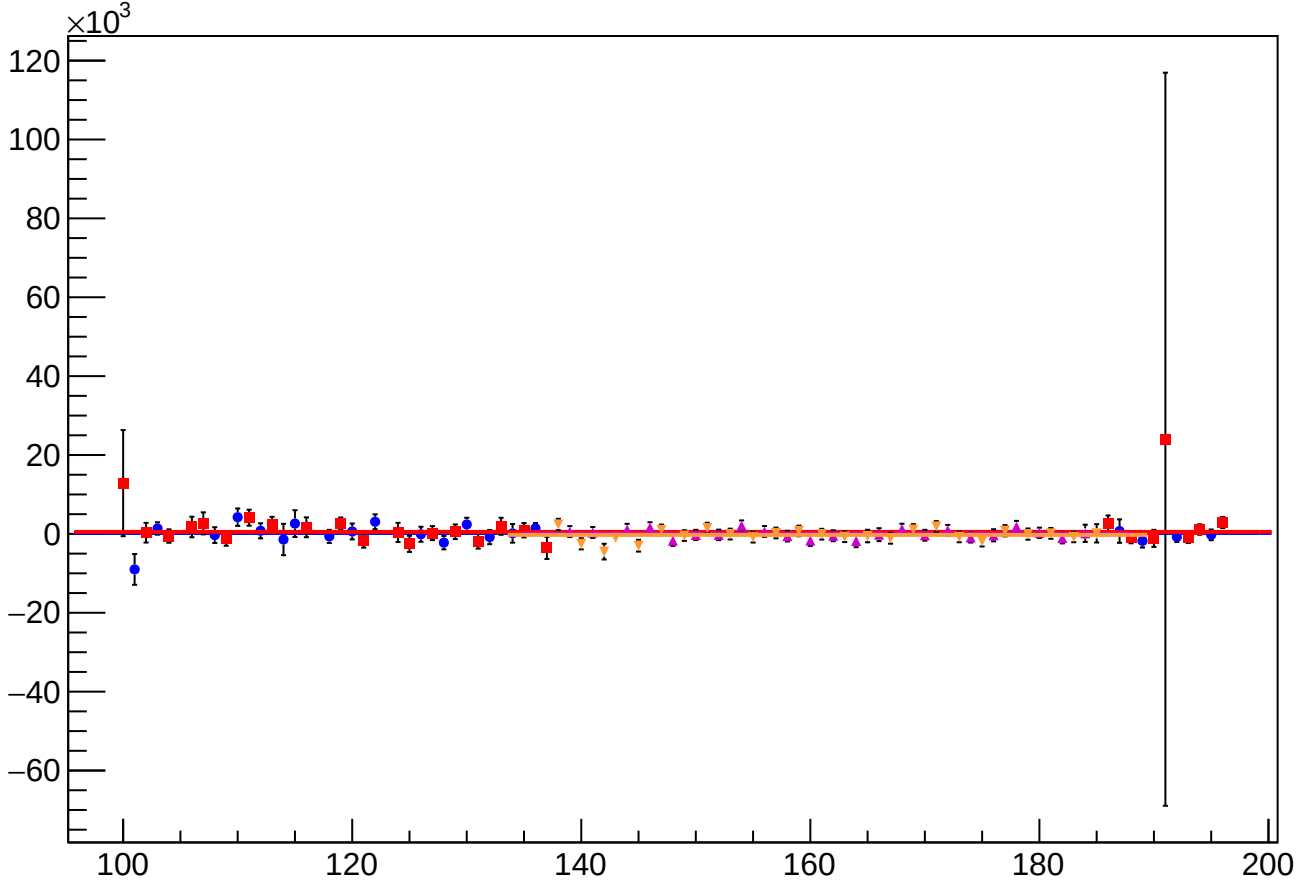
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 652.555+/-0.064 χ^2/NDF: 15094780.3/93

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 239.727+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

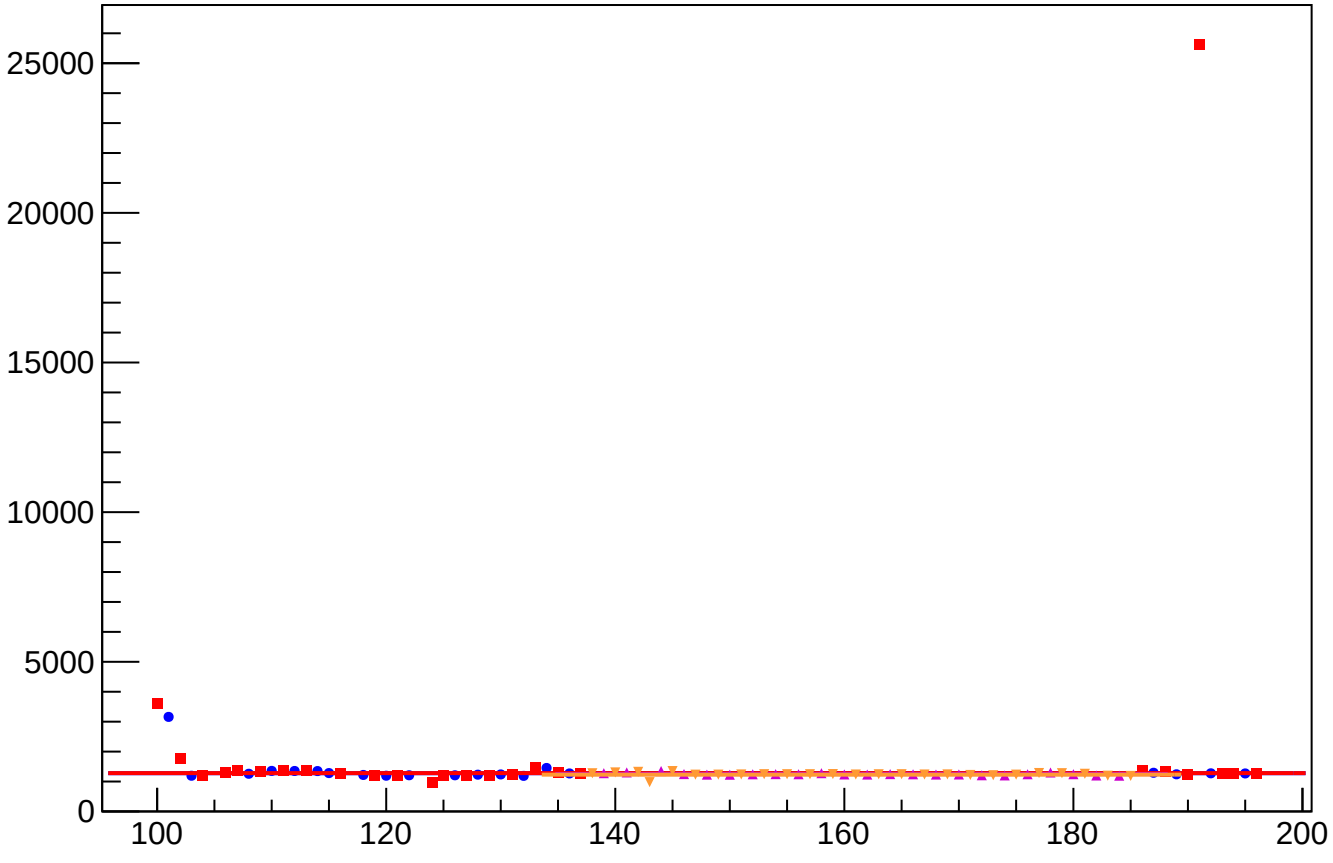
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.788+/-231.839 χ^2/NDF: 44.7/44

All: 69.095+/-163.704 χ^2/NDF: 84.1/93

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1277.412+/-0.293 χ^2/NDF: 508239.1/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

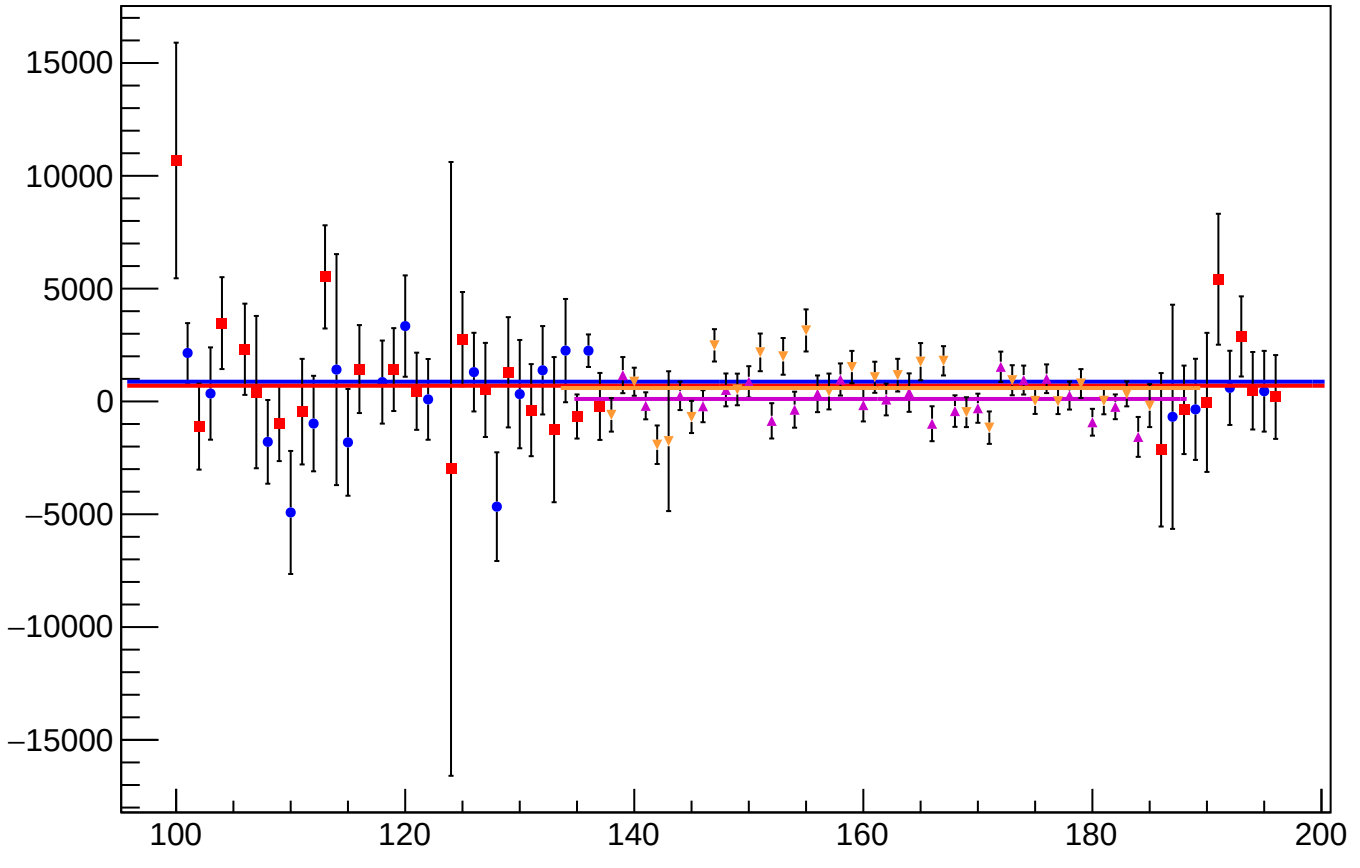
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.3/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667875.3/44

All: 1252.530+/-0.116 χ^2/NDF: 1077866.8/93

- sign 1260.138+/-0.163 χ^2/NDF: 405647.7/48



Right In: 874.661+/-393.668 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

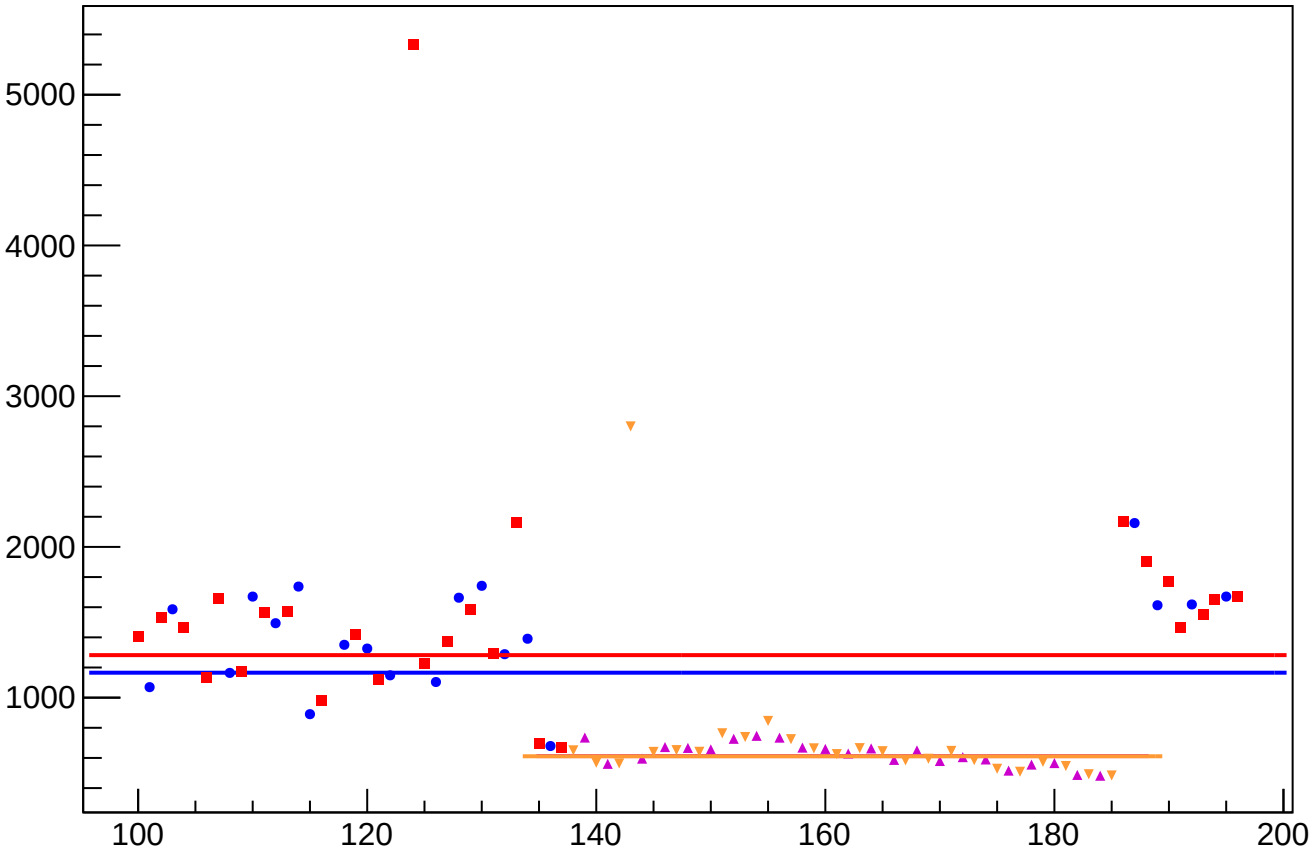
Right Out: 695.390+/-392.090 χ^2/NDF: 22.5/25

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

\+ sign 627.250+/-133.684 χ^2/NDF: 78.8/44

All: 406.414+/-95.117 χ^2/NDF: 134.4/93

\- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

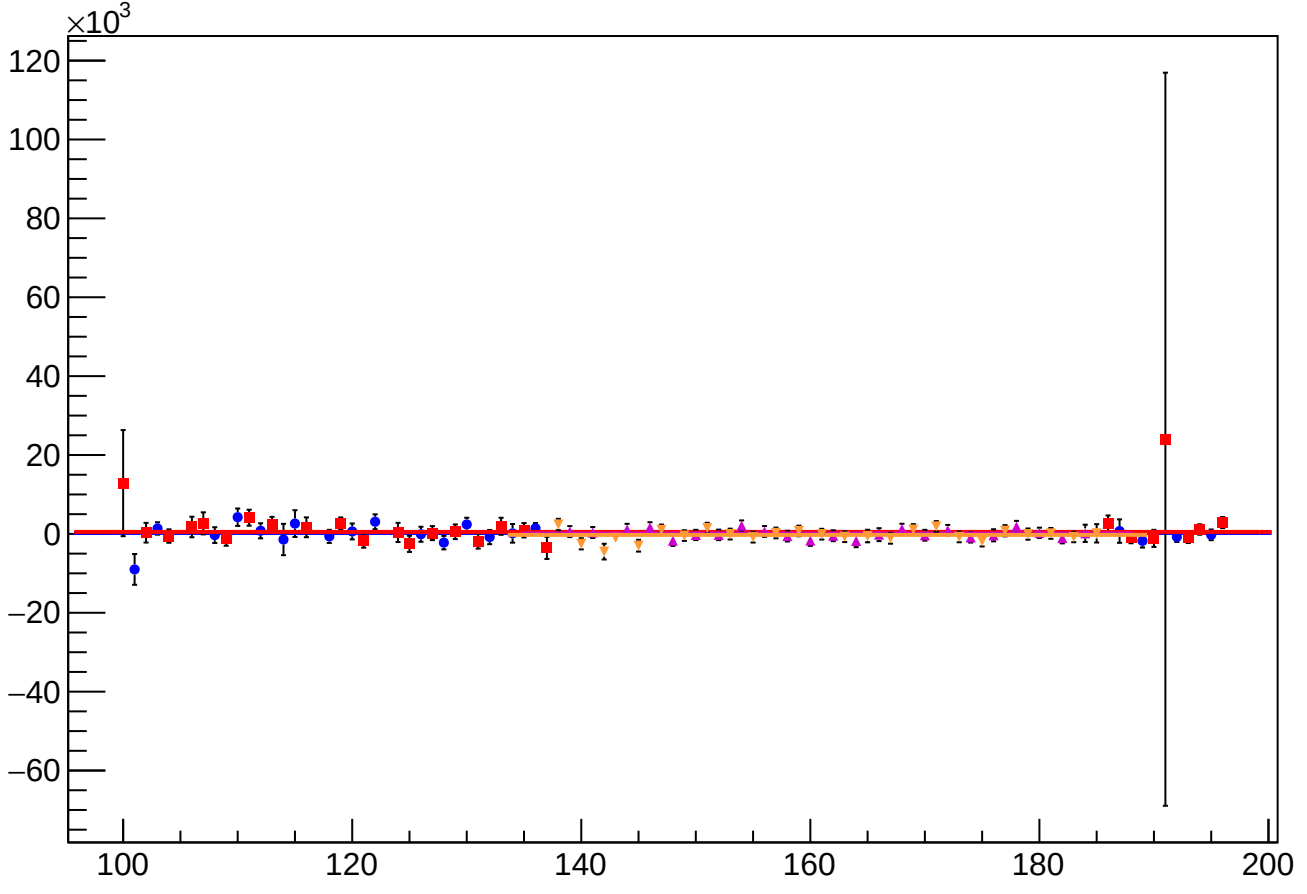
Right Out: 1282.071+/-0.277 χ^2/NDF: 2271097.3/25

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034613.9/44

All: 683.513+/-0.067 χ^2/NDF: 14969487.9/93

- sign 692.217+/-0.096 χ^2/NDF: 7918542.5/48



Right In: 239.729+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

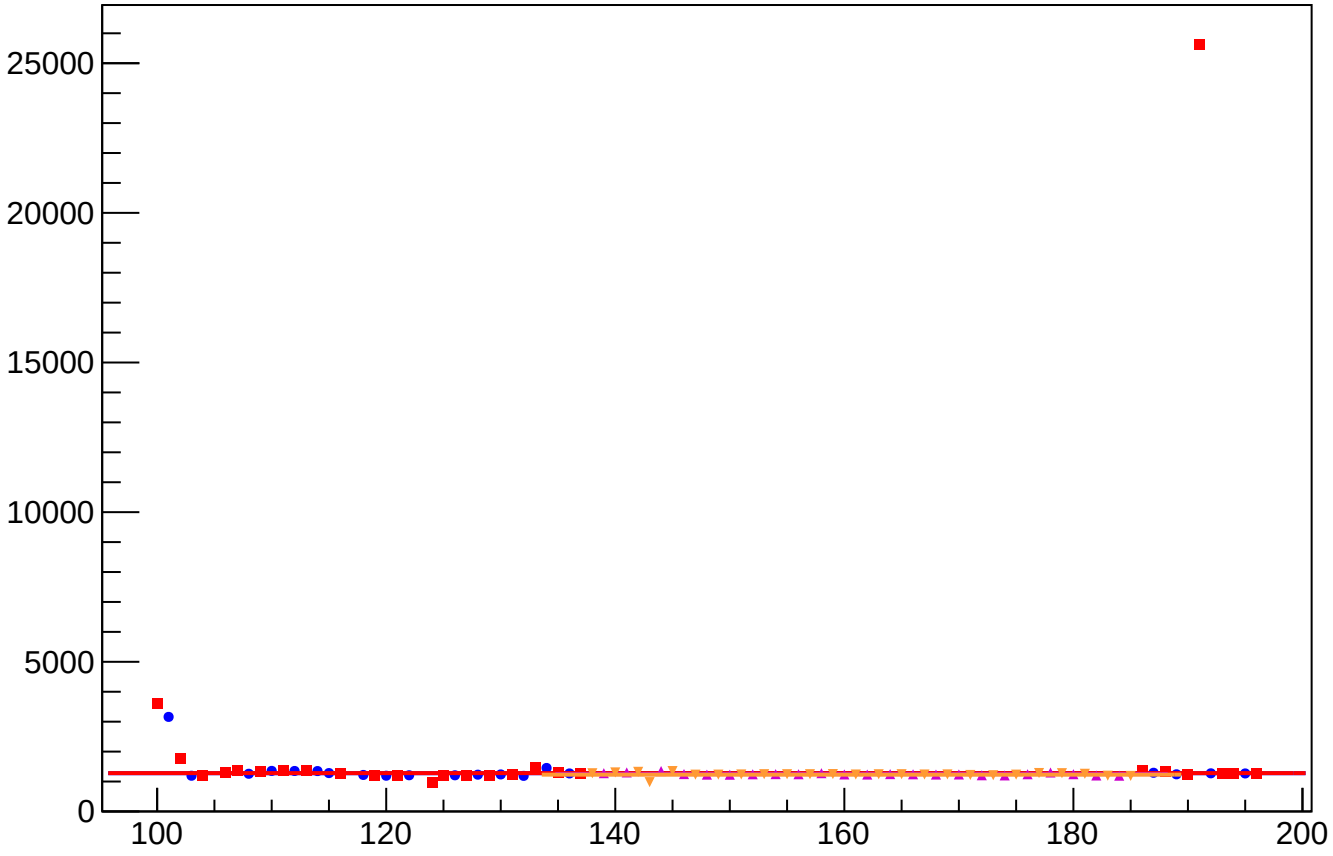
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.789+/-231.839 χ^2/NDF: 44.7/44

All: 69.095+/-163.704 χ^2/NDF: 84.1/93

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1277.411+/-0.293 χ^2/NDF: 508239.3/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

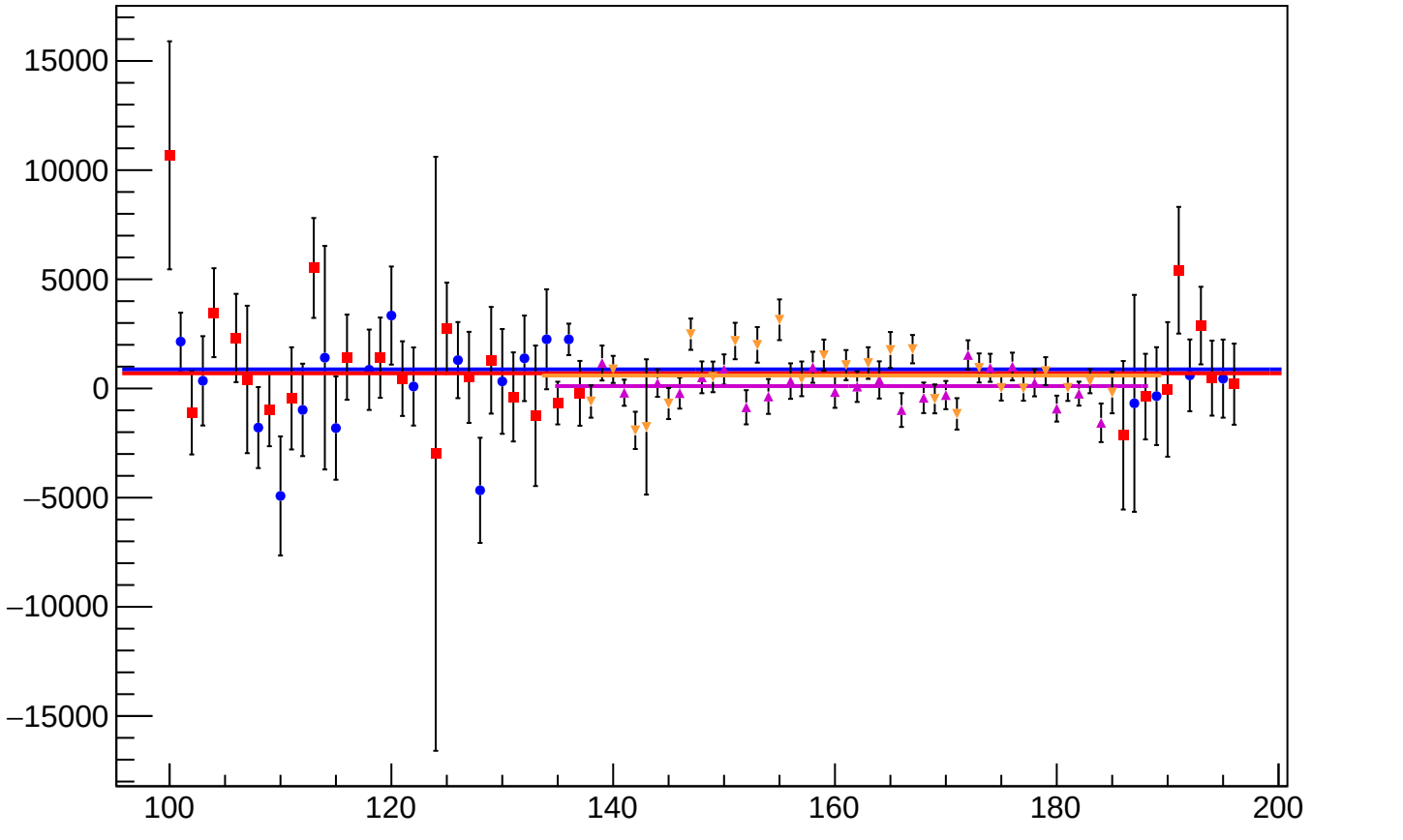
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.2/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667874.5/44

All: 1252.530+/-0.116 χ^2/NDF: 1077865.9/93

- sign 1260.138+/-0.163 χ^2/NDF: 405647.6/48



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

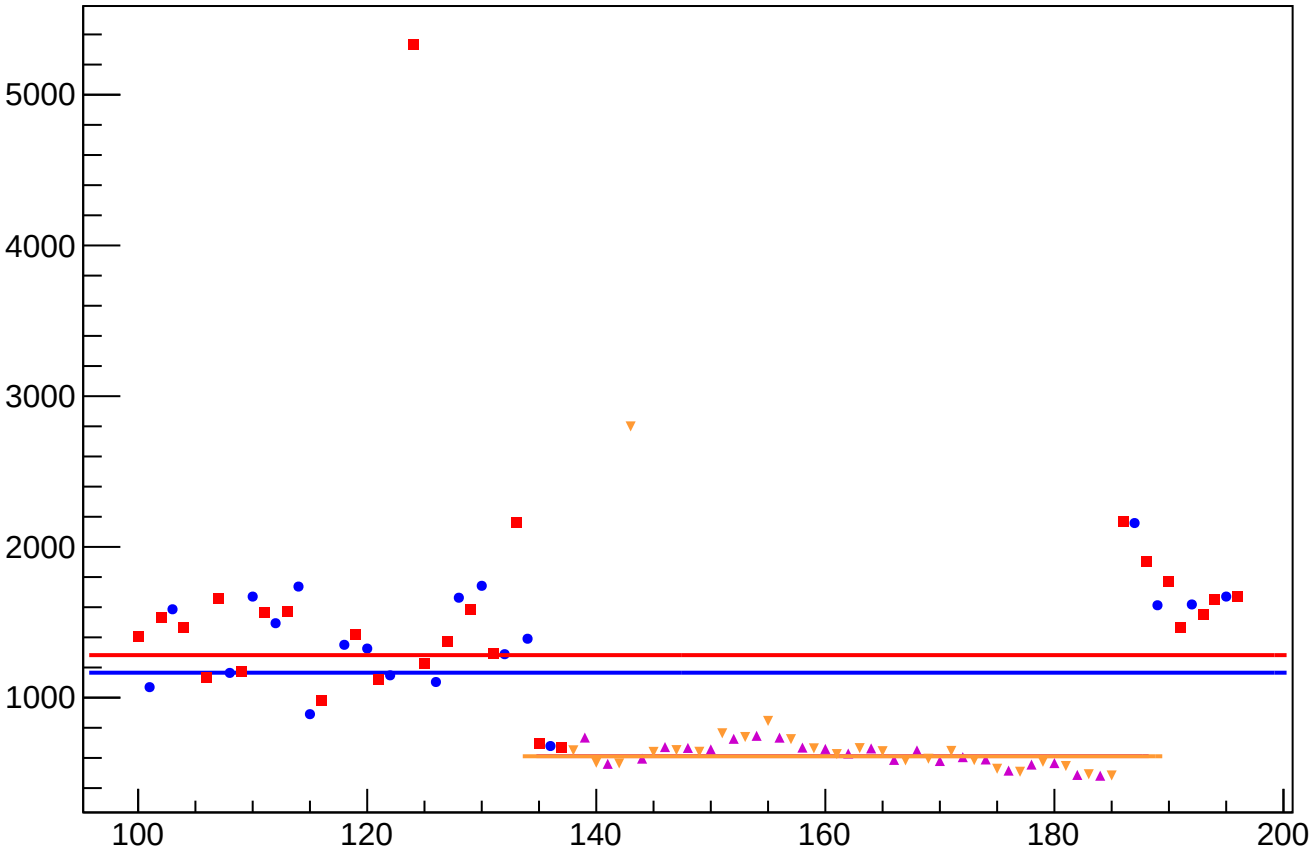
Right Out: 695.400+/-392.091 χ^2/NDF: 22.5/25

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 627.249+/-133.684 χ^2/NDF: 78.8/44

All: 406.414+/-95.117 χ^2/NDF: 134.4/93

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1165.539+/-0.278 χ^2/NDF: 1905480.8/19

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1282.077+/-0.277 χ^2/NDF: 2271024.5/25

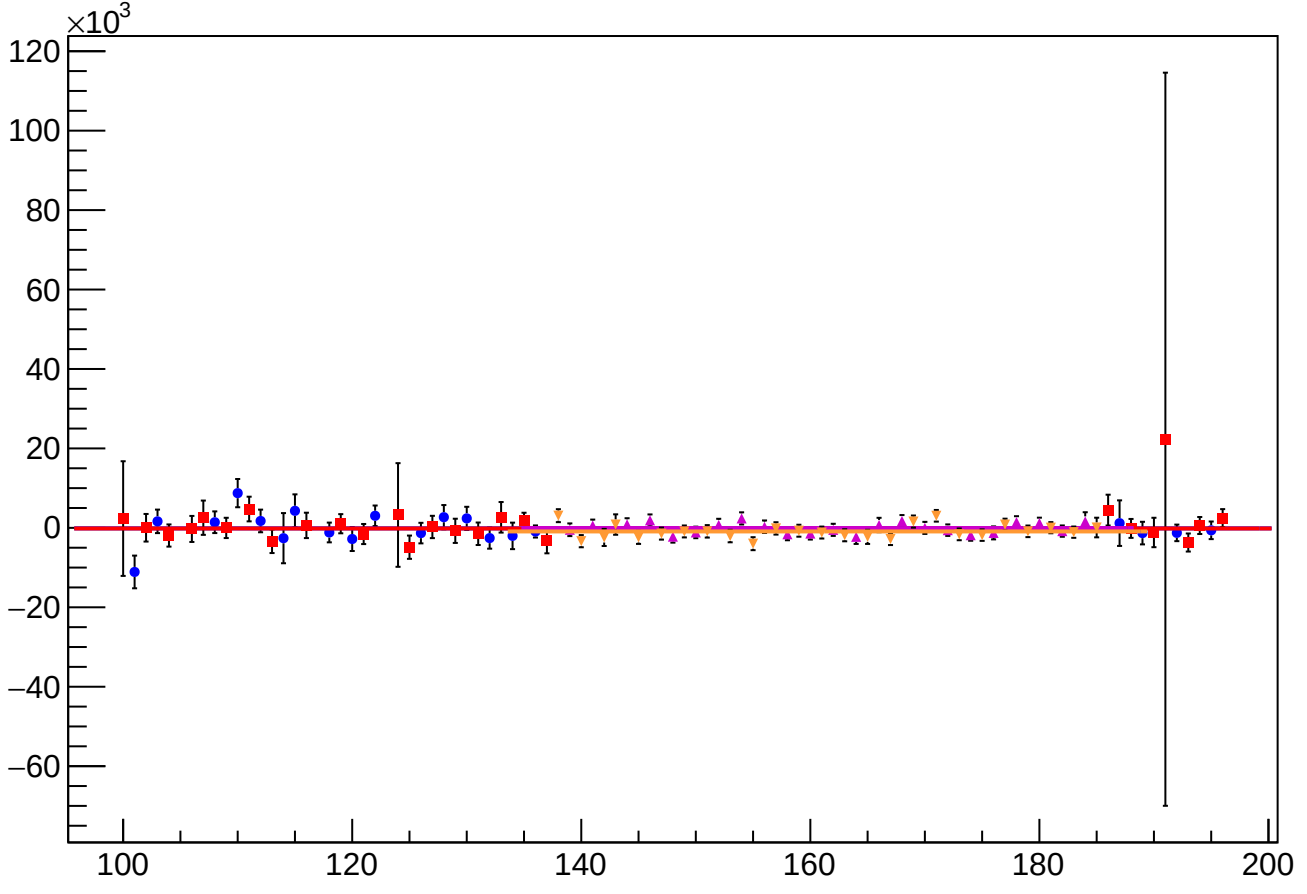
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034598.8/44

All: 683.513+/-0.067 χ^2/NDF: 14969479.6/93

- sign 692.216+/-0.096 χ^2/NDF: 7918550.4/48

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -128.519+/-616.093 χ^2/NDF: 22.0/19

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -157.636+/-581.141 χ^2/NDF: 15.7/25

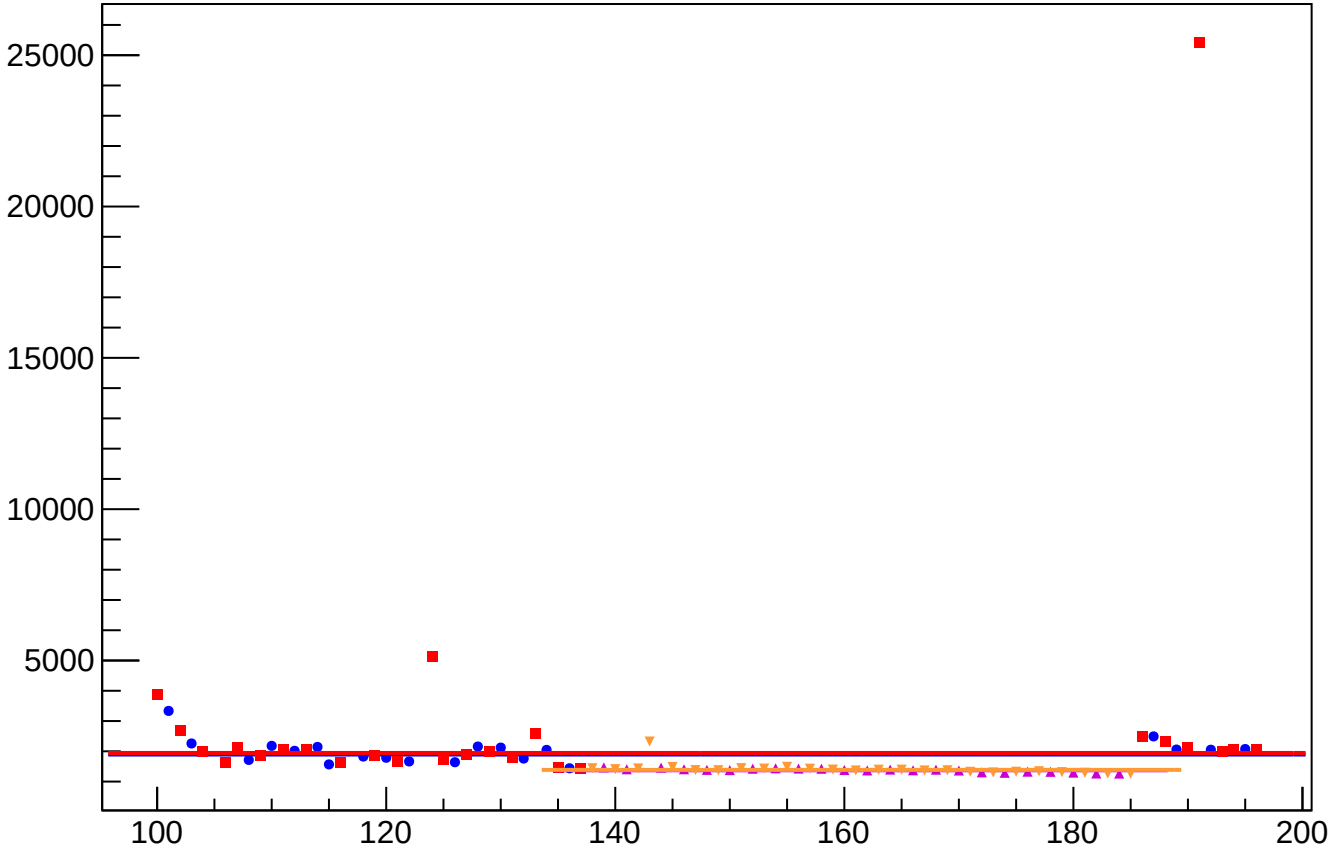
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -738.869+/-281.488 χ^2/NDF: 53.0/44

All: -405.662+/-198.847 χ^2/NDF: 89.5/93

- sign -73.758+/-280.937 χ^2/NDF: 33.6/48

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1893.774+/-0.436 χ^2/NDF: 622346.5/19

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

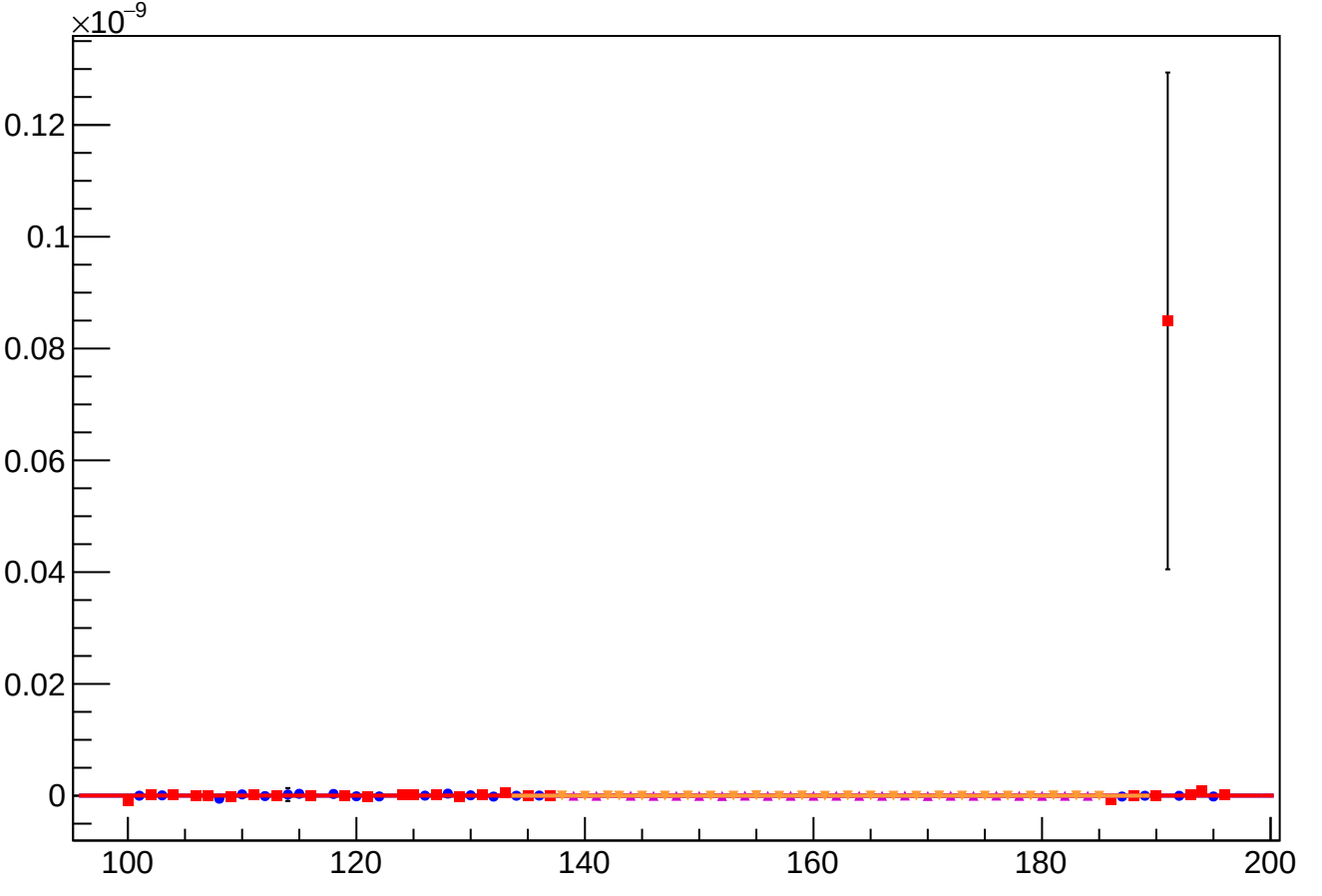
Right Out: 1945.800+/-0.411 χ^2/NDF: 788750.2/25

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1492.667+/-0.199 χ^2/NDF: 2033528.1/44

All: 1499.862+/-0.141 χ^2/NDF: 4377171.5/93

- sign 1507.030+/-0.199 χ^2/NDF: 2341034.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

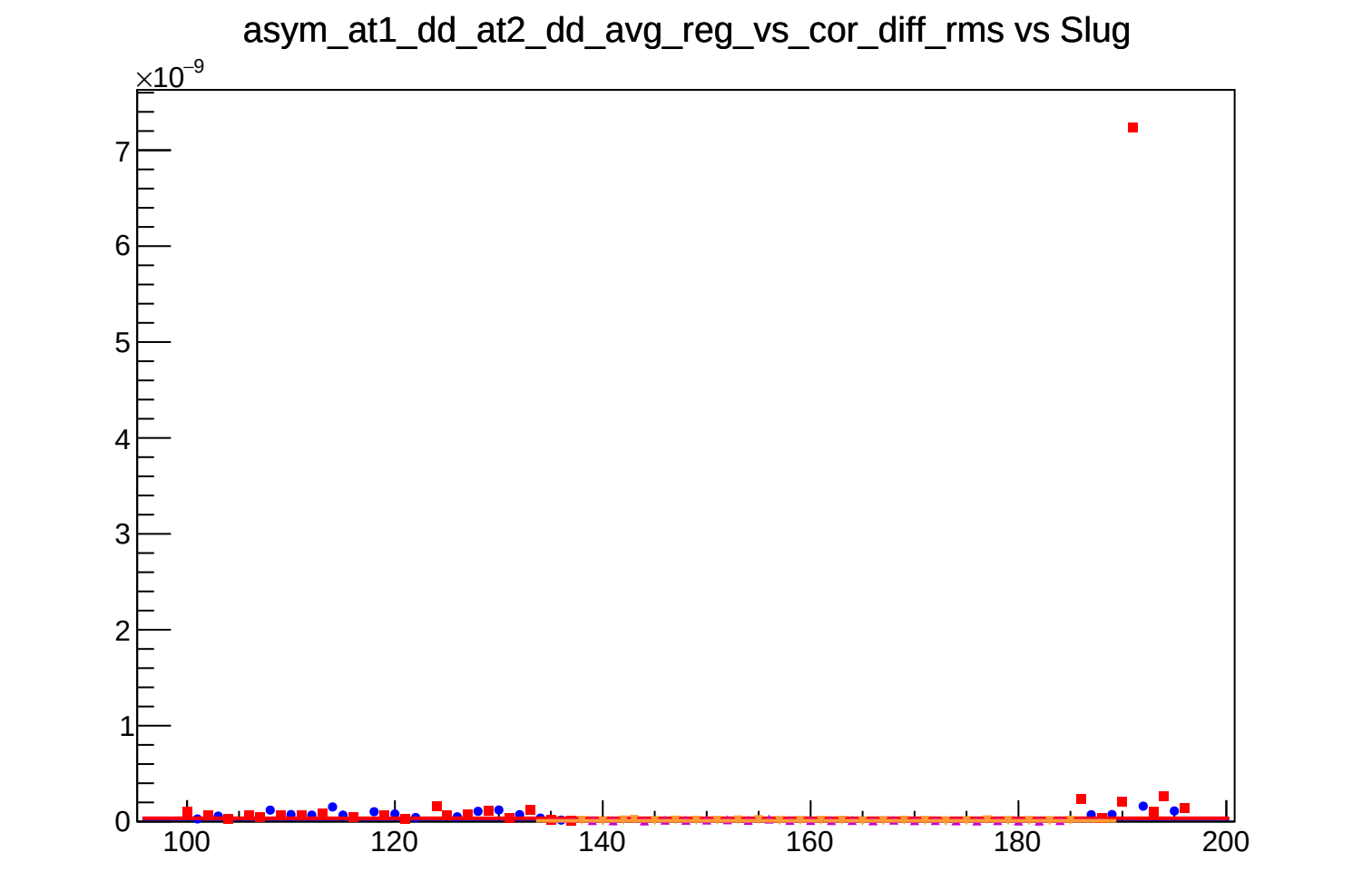
Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/25

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/44

All: 0.000+/-0.000 χ^2/NDF: 98.0/93

- sign -0.000+/-0.000 χ^2/NDF: 54.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3648903.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

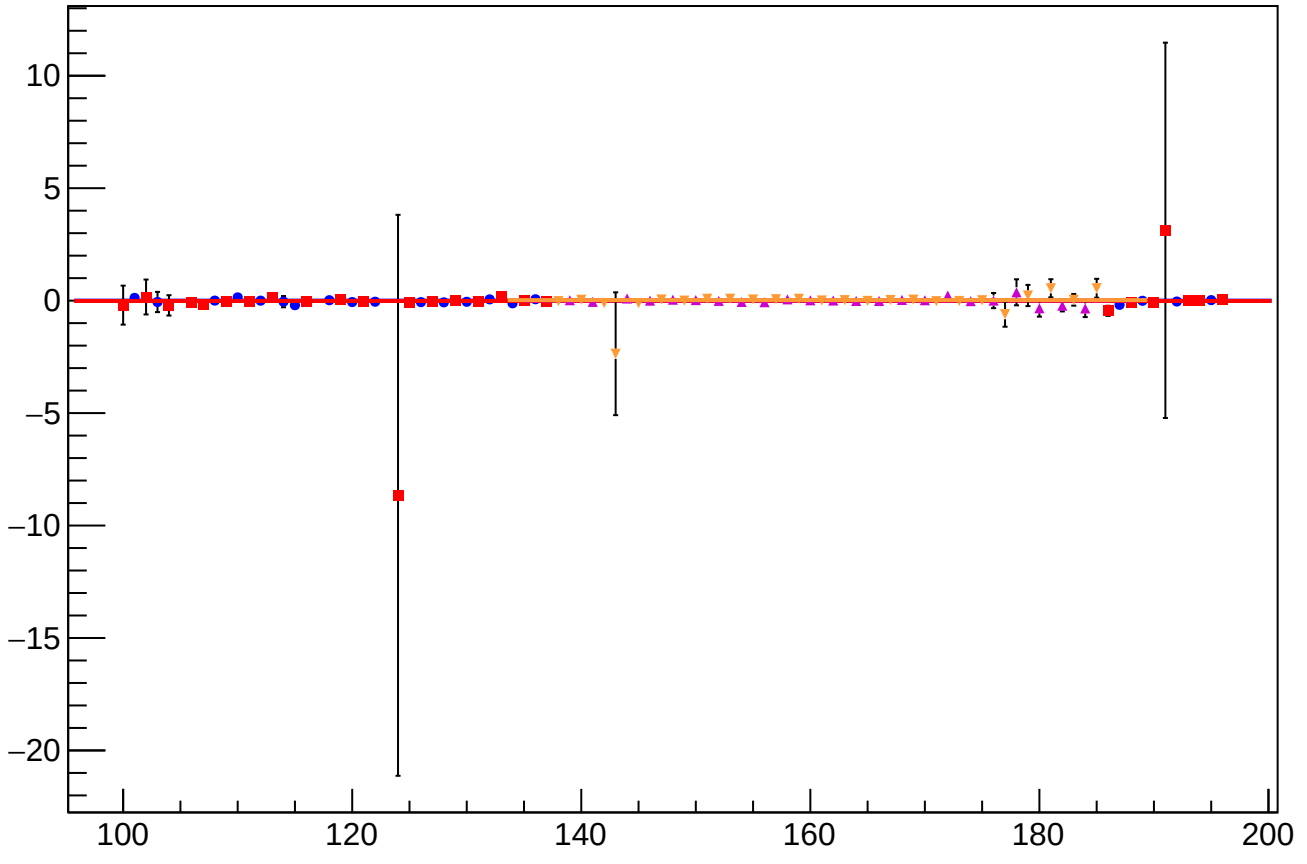
Right Out: 0.000+/-0.000 χ^2/NDF: 4304094.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8109031.9/44

All: 0.000+/-0.000 χ^2/NDF: 16502469.2/93

- sign 0.000+/-0.000 χ^2/NDF: 8118693.4/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

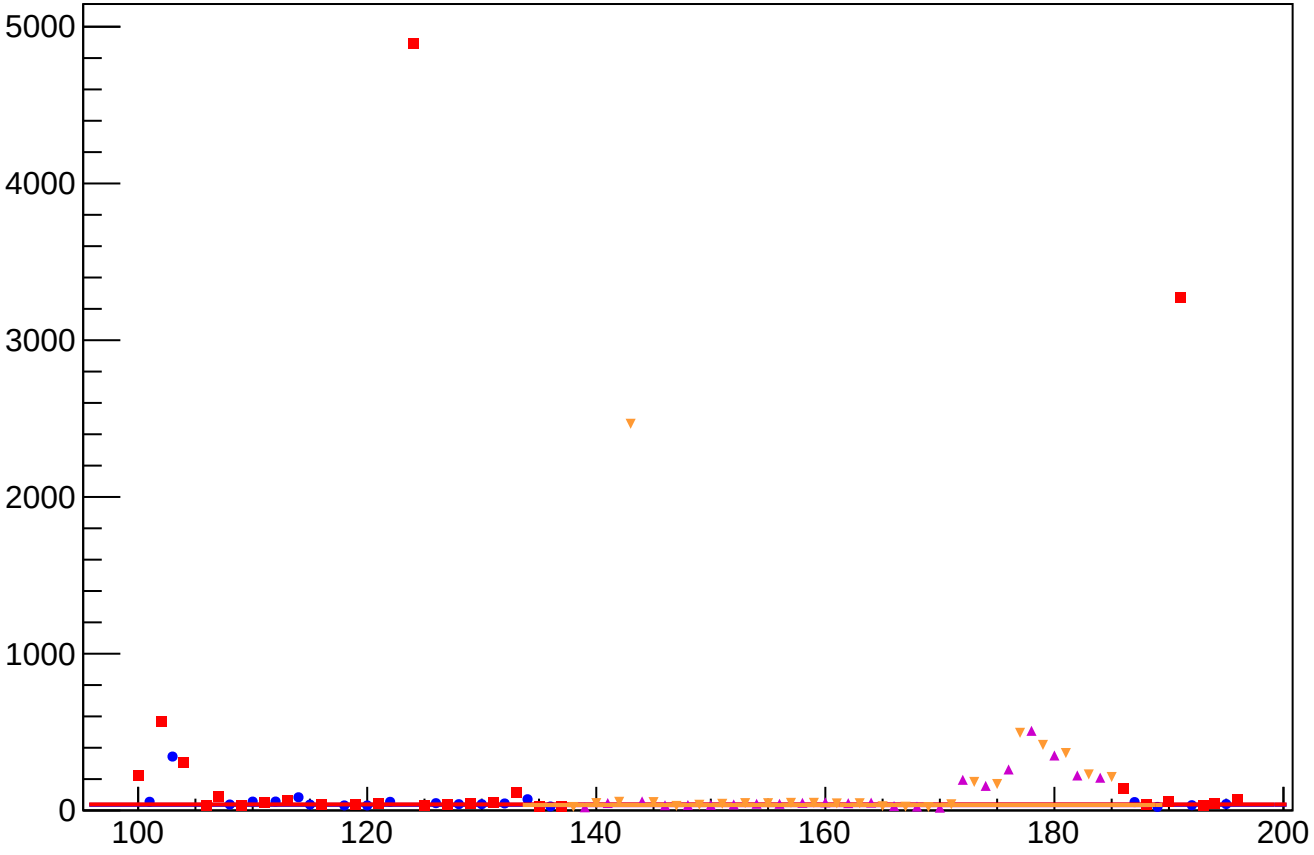
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- 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: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

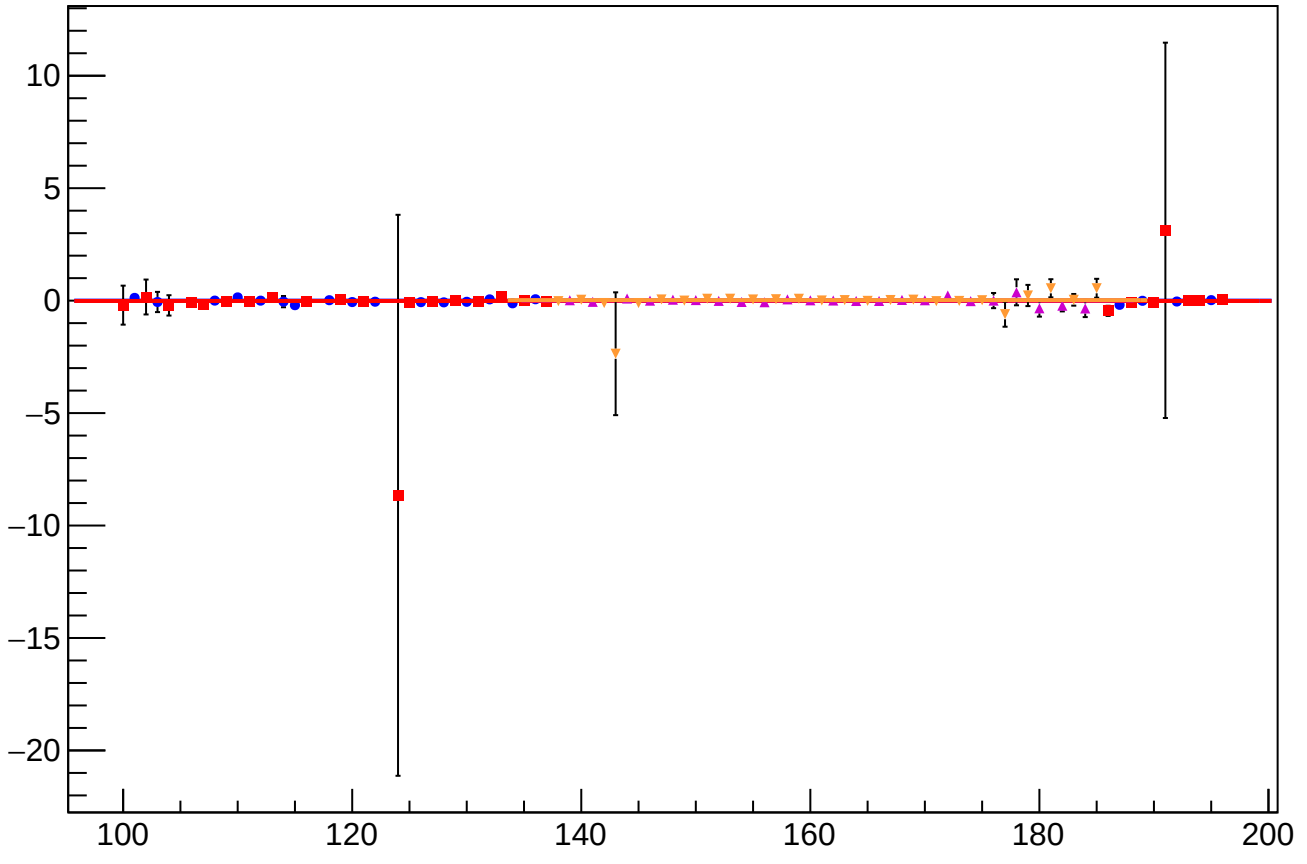
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.244+/-0.004 χ^2/NDF: 28346795.6/93

- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

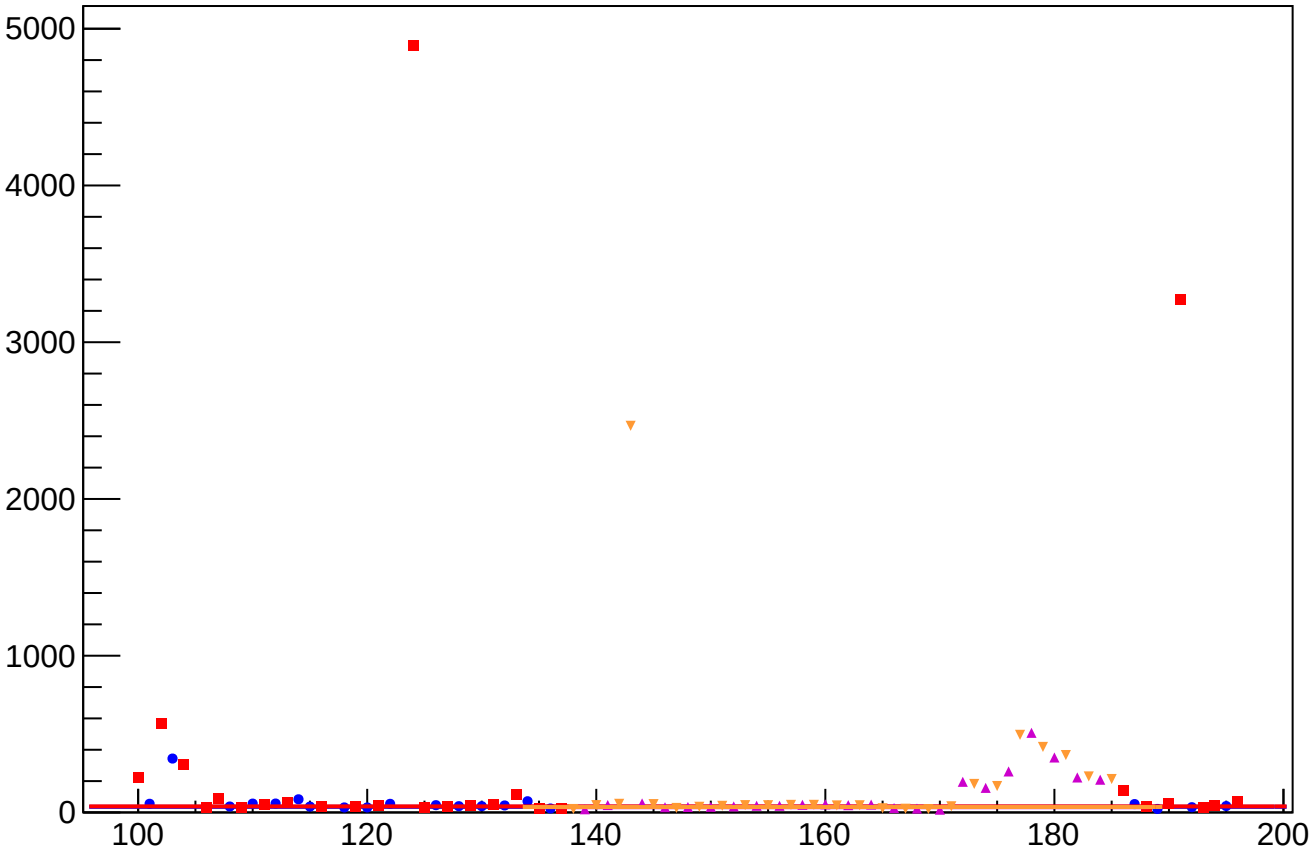
Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

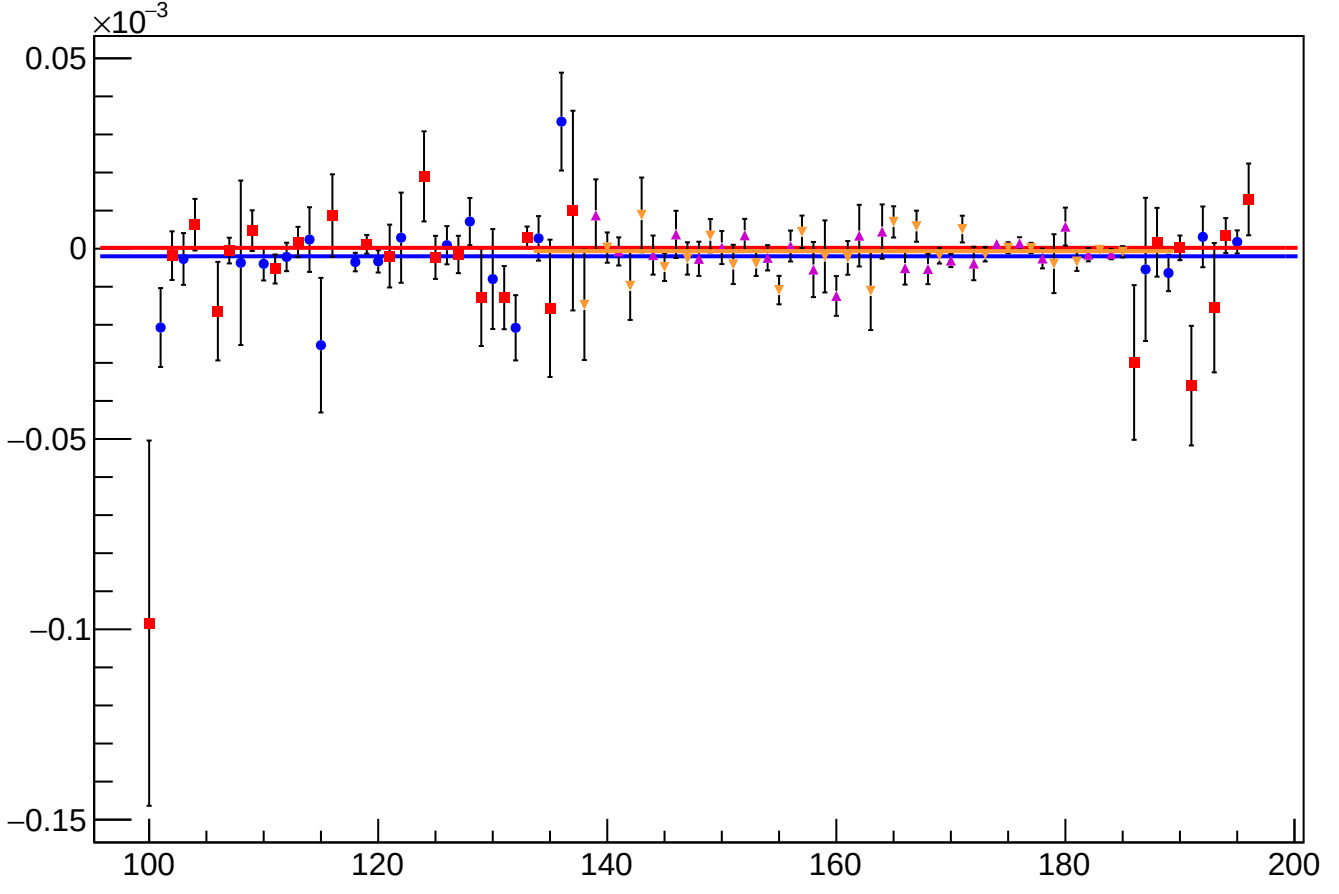
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.244+/-0.004 χ^2/NDF: 28346795.6/93

\- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

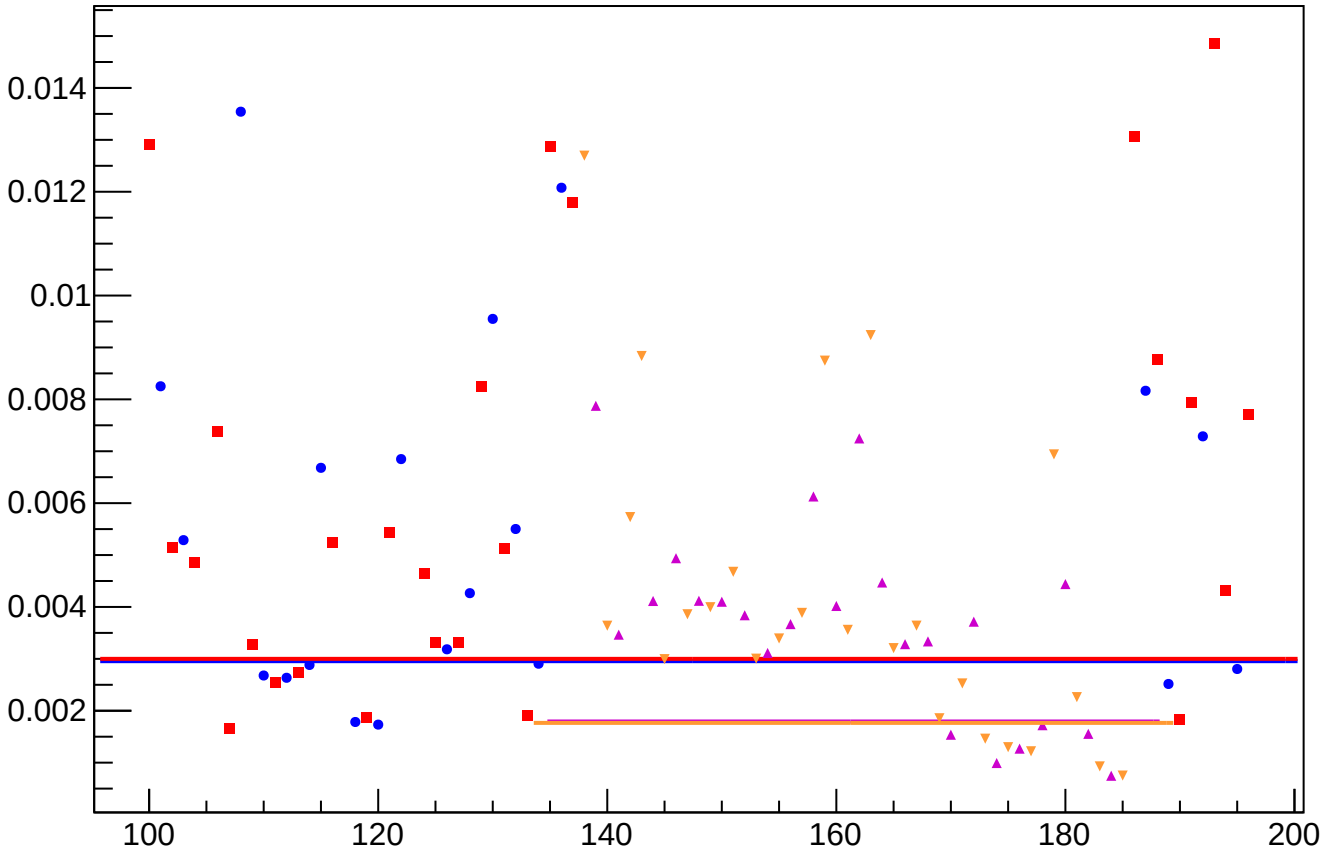
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/44

All: -0.000+/-0.000 χ^2/NDF: 106.8/93

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

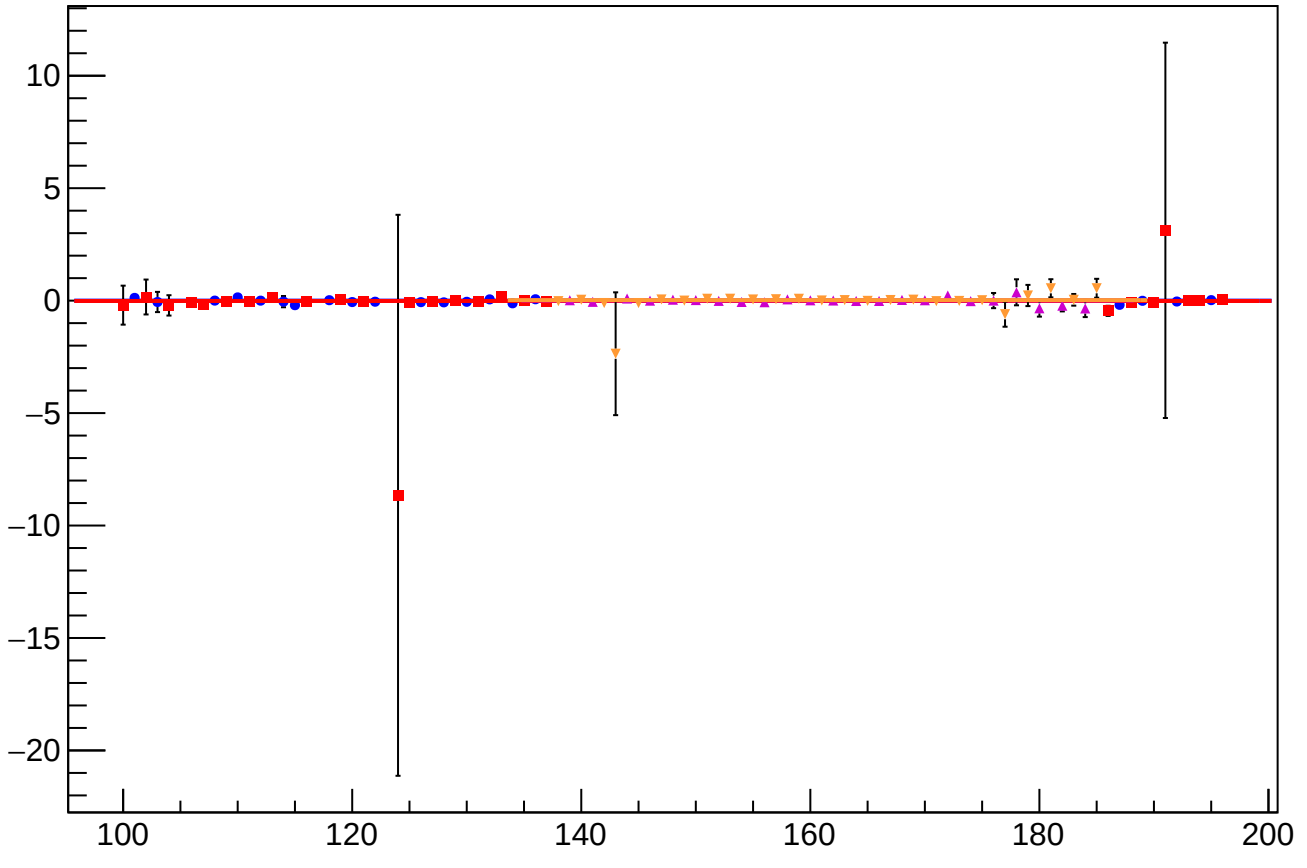
Right Out: 0.003+/-0.000 χ^2/NDF: 6784923.1/25

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19636243.5/44

All: 0.002+/-0.000 χ^2/NDF: 39291637.8/93

- sign 0.002+/-0.000 χ^2/NDF: 19623746.9/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

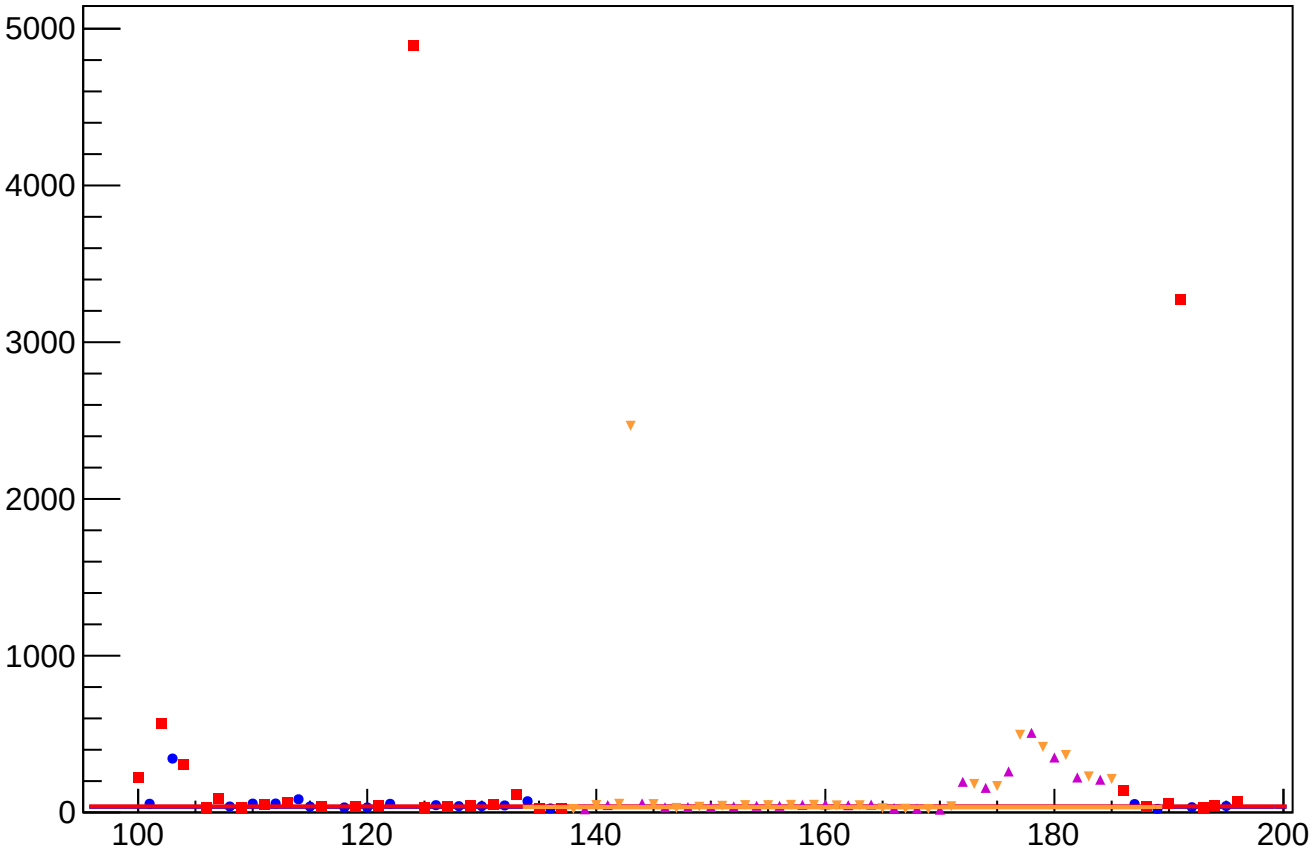
Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

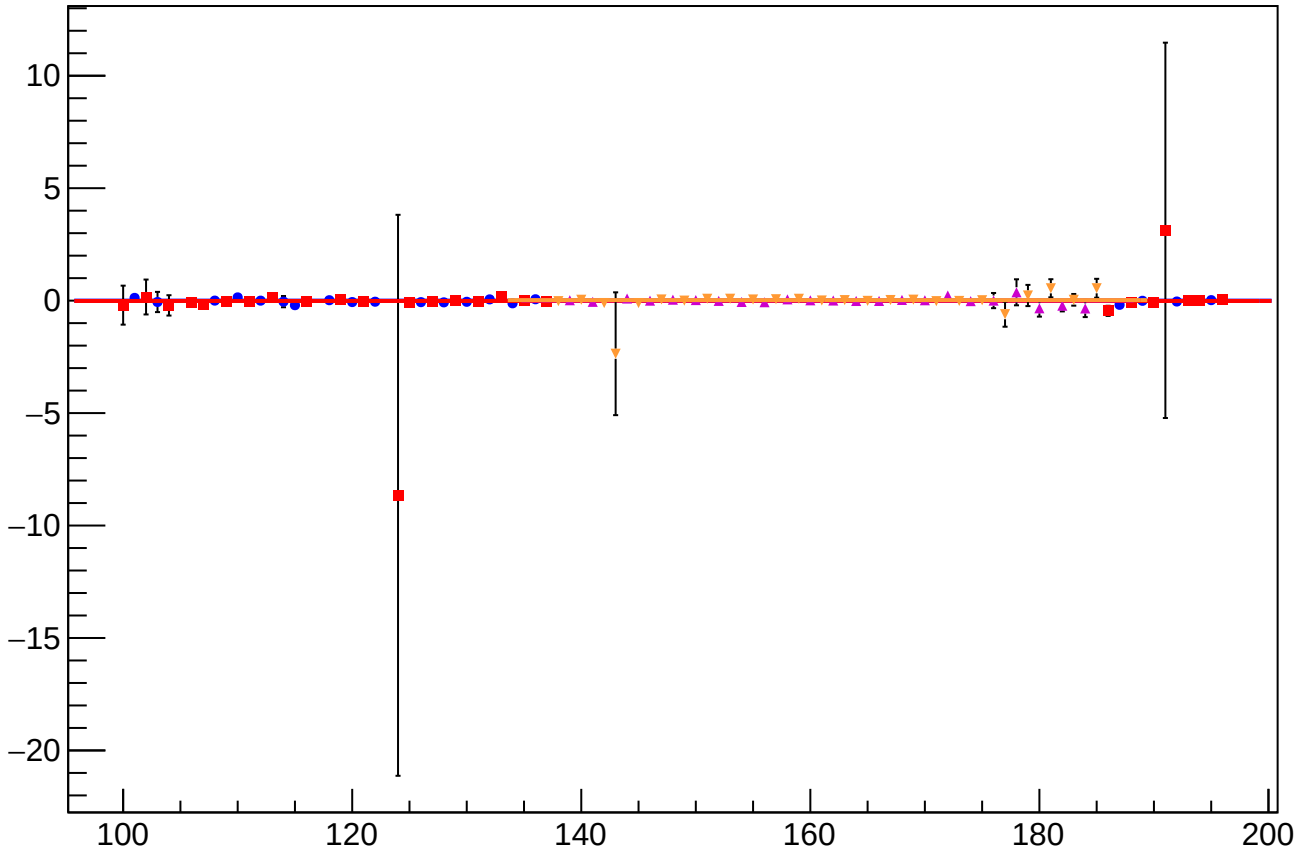
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.245+/-0.004 χ^2/NDF: 28344623.5/93

- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

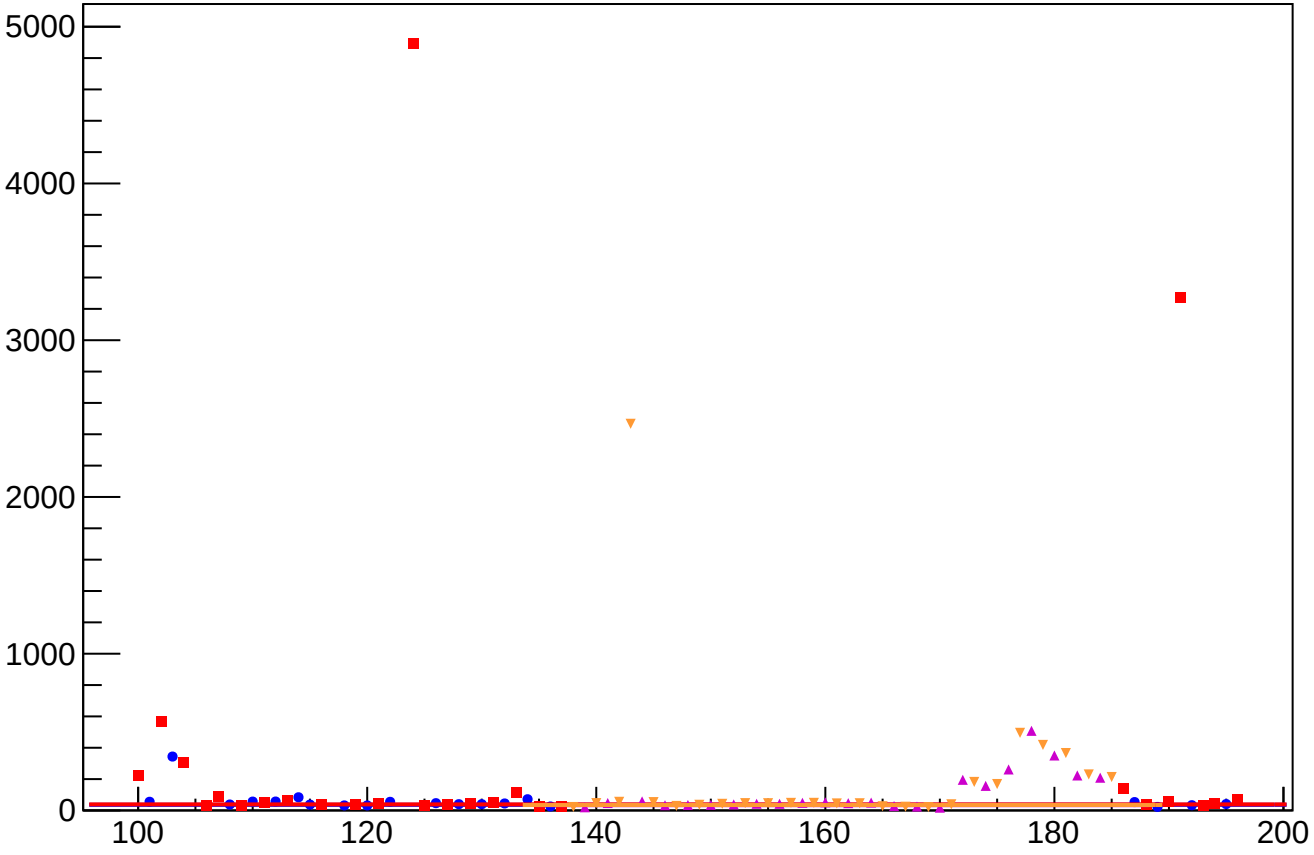
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.008+/-0.006 χ^2/NDF: 87.3/93

- 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: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

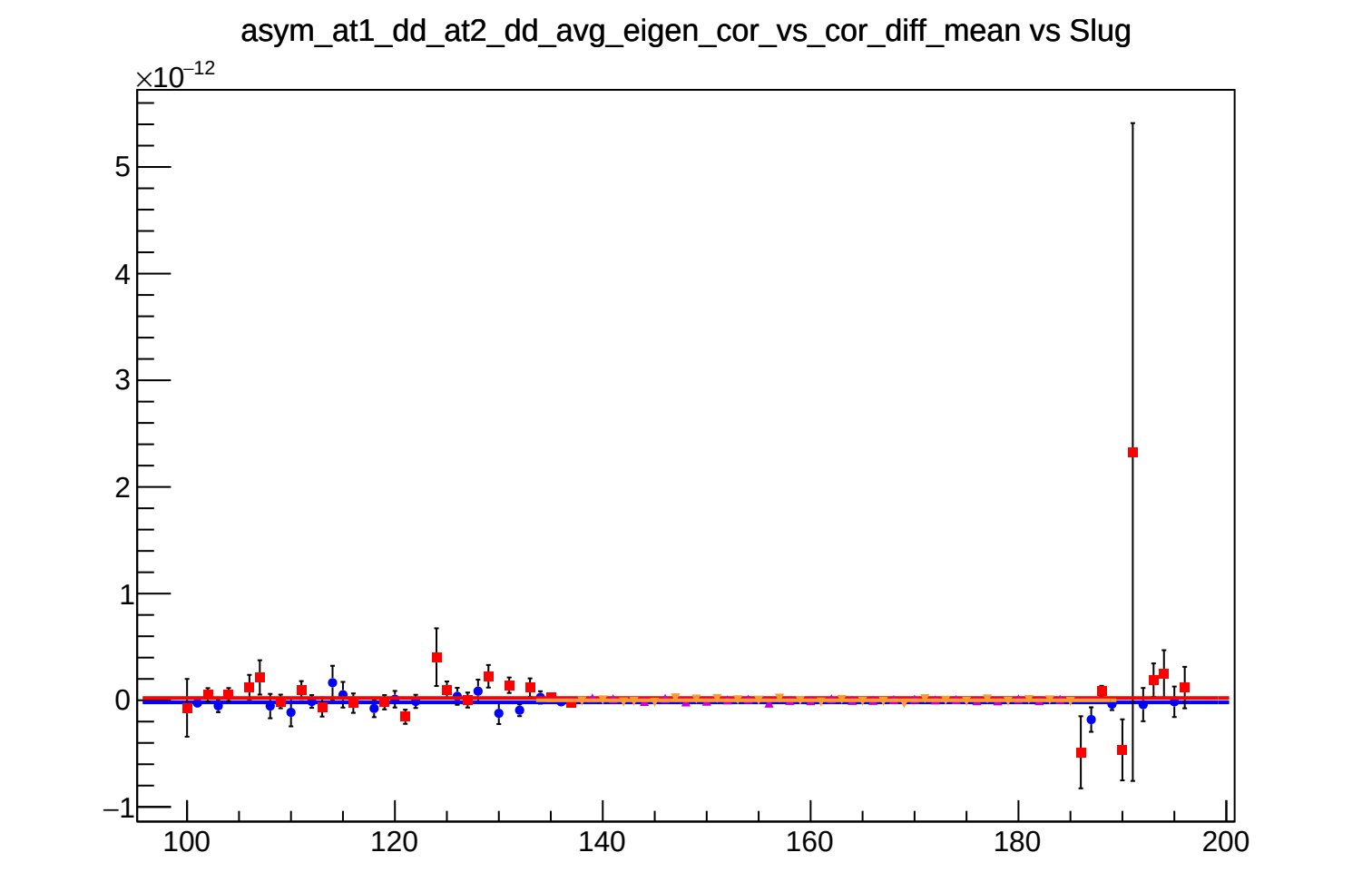
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.245+/-0.004 χ^2/NDF: 28344623.5/93

- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

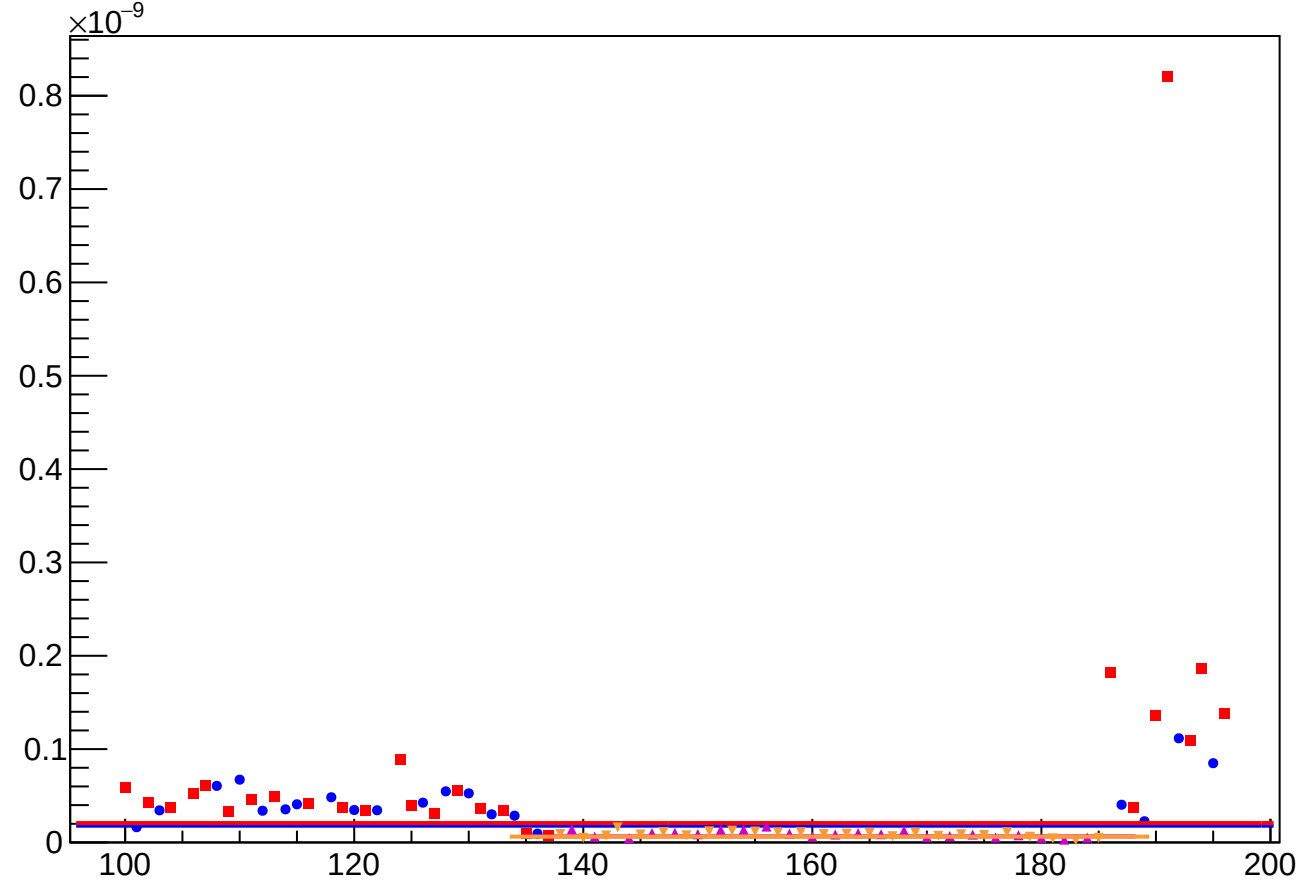
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/44

All: 0.000+/-0.000 χ^2/NDF: 102.5/93

- sign 0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4478406.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7372224.8/25

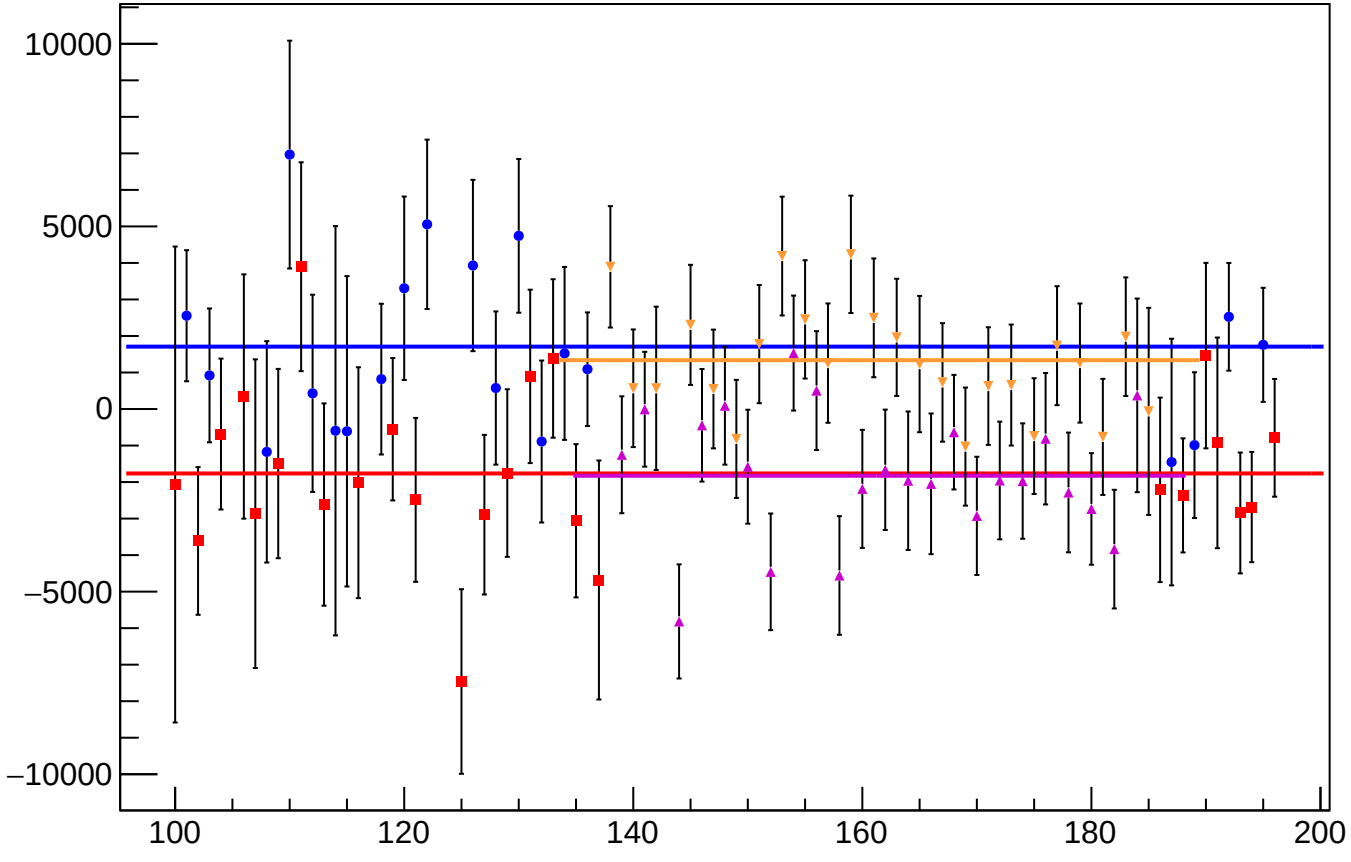
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12381452.9/44

All: 0.000+/-0.000 χ^2/NDF: 27208308.8/93

- sign 0.000+/-0.000 χ^2/NDF: 14799169.3/48

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1708.466+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1764.056+/-451.355 χ^2/NDF: 19.0/24

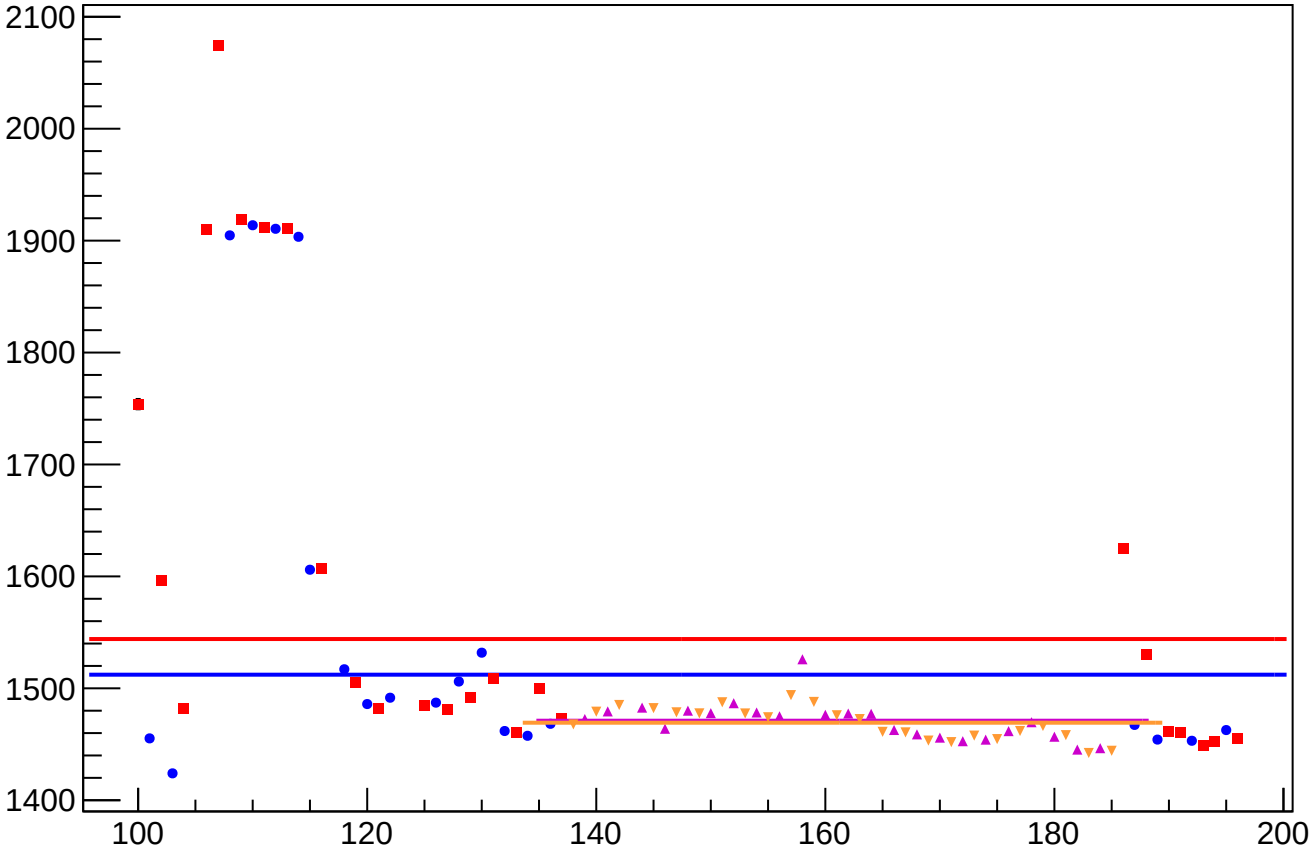
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.114+/-278.836 χ^2/NDF: 34.9/43

All: -204.282+/-195.193 χ^2/NDF: 150.3/91

- sign -1803.662+/-273.336 χ^2/NDF: 45.5/47

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1544.032+/-0.319 χ^2/NDF: 208869.4/24

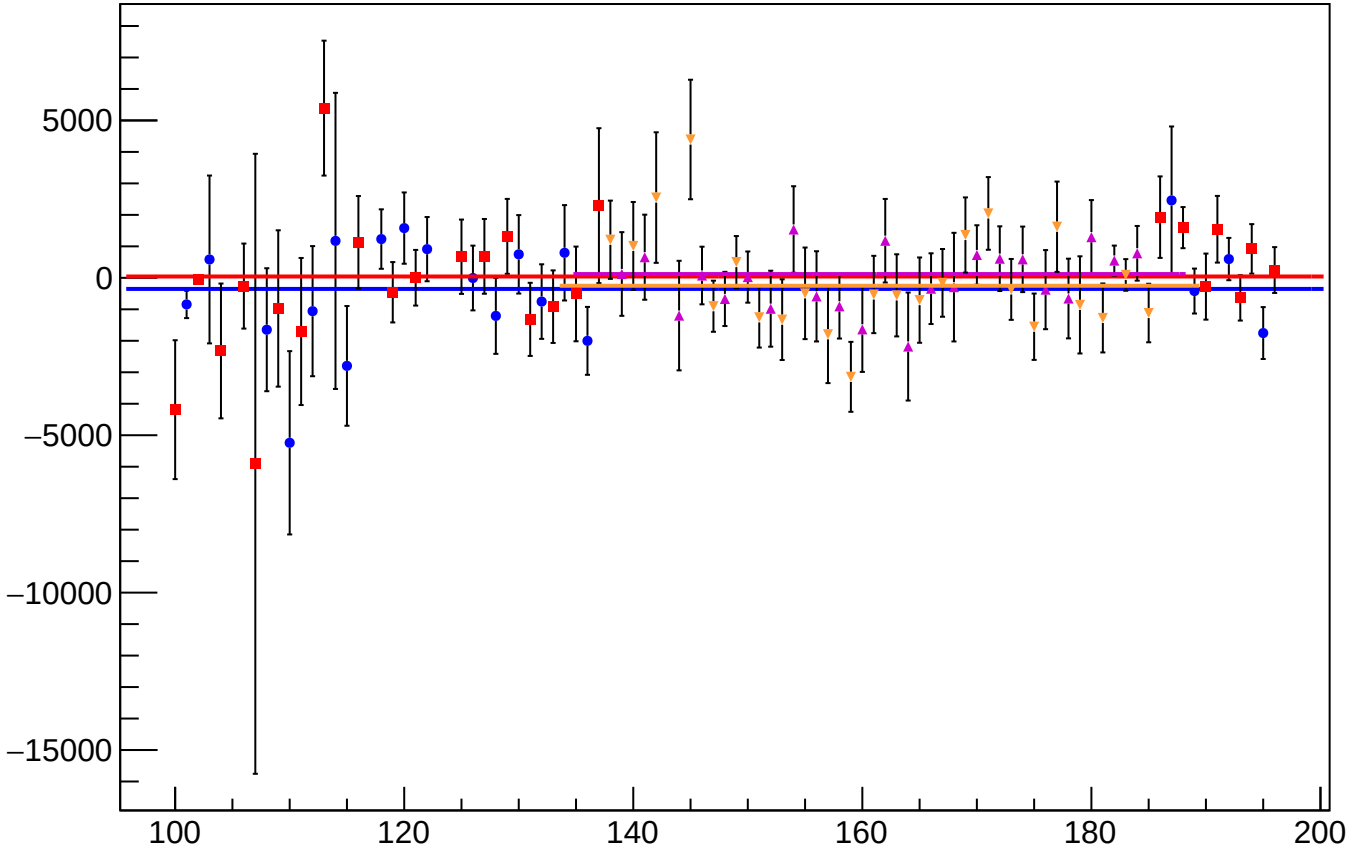
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153026.0/43

All: 1490.796+/-0.138 χ^2/NDF: 402342.2/91

- sign 1497.818+/-0.193 χ^2/NDF: 246622.5/47

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -352.170+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 42.822+/-118.270 χ^2/NDF: 30.5/24

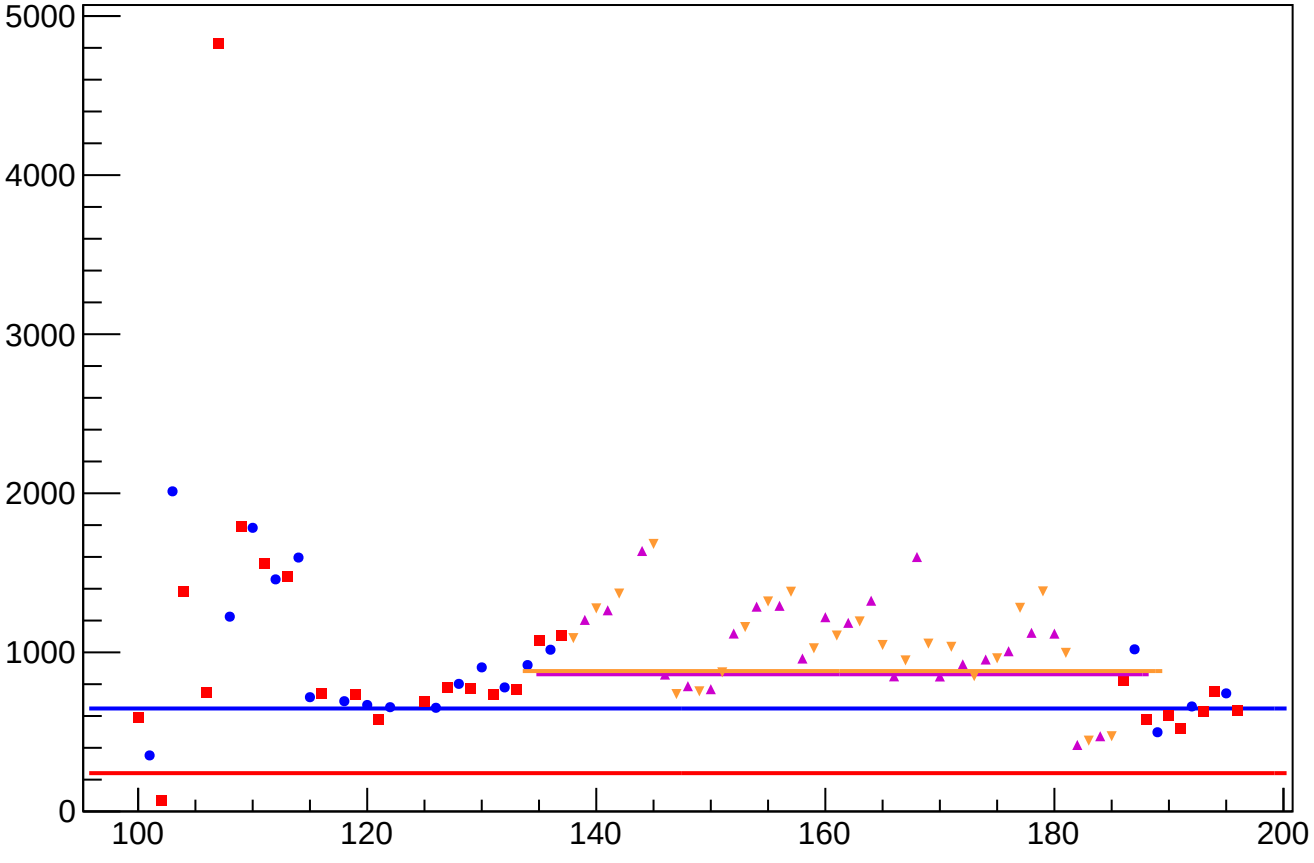
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -299.838+/-157.530 χ^2/NDF: 57.3/43

All: -48.435+/-86.637 χ^2/NDF: 104.4/91

- sign 60.581+/-103.734 χ^2/NDF: 43.4/47

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 647.252+/-0.161 χ^2/NDF: 2928253.6/19

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 240.776+/-0.084 χ^2/NDF: 13630022.3/24

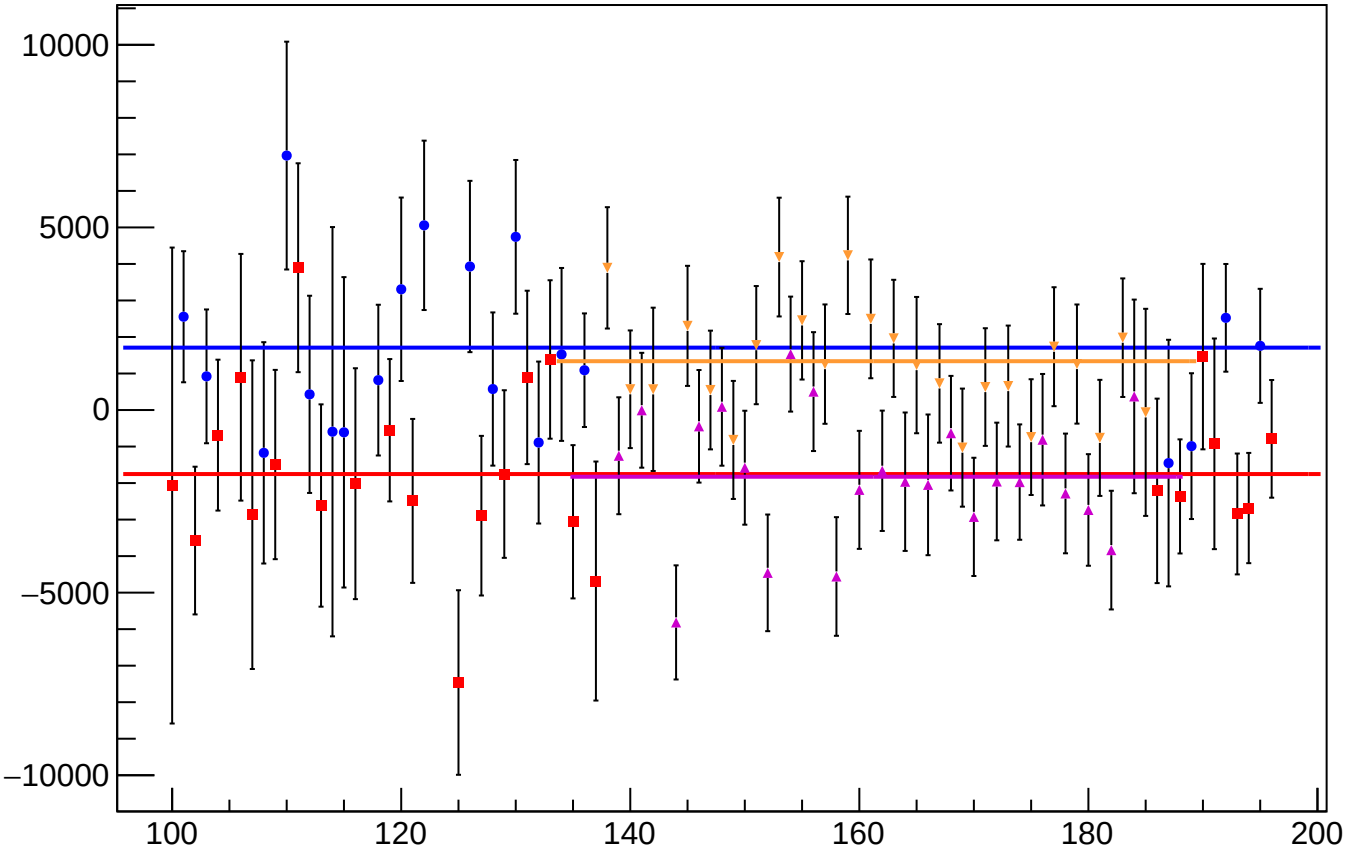
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 769.640+/-0.111 χ^2/NDF: 7942066.8/43

All: 500.755+/-0.061 χ^2/NDF: 47037037.4/91

- sign 384.158+/-0.073 χ^2/NDF: 30741336.5/47

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1708.547+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1752.974+/-451.436 χ^2/NDF: 19.2/24

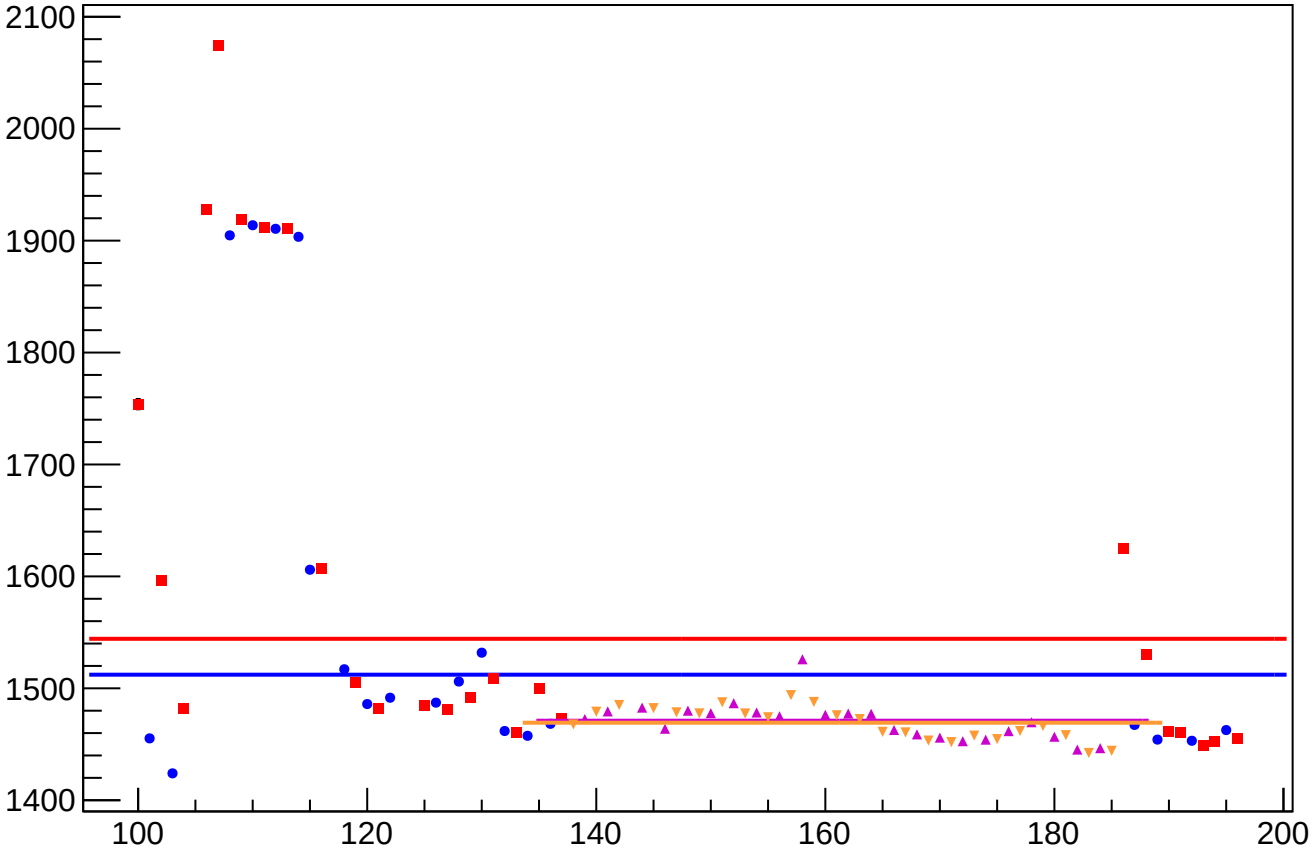
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.148+/-278.836 χ^2/NDF: 34.9/43

All: -202.103+/-195.200 χ^2/NDF: 150.3/91

- sign -1799.632+/-273.354 χ^2/NDF: 45.7/47

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

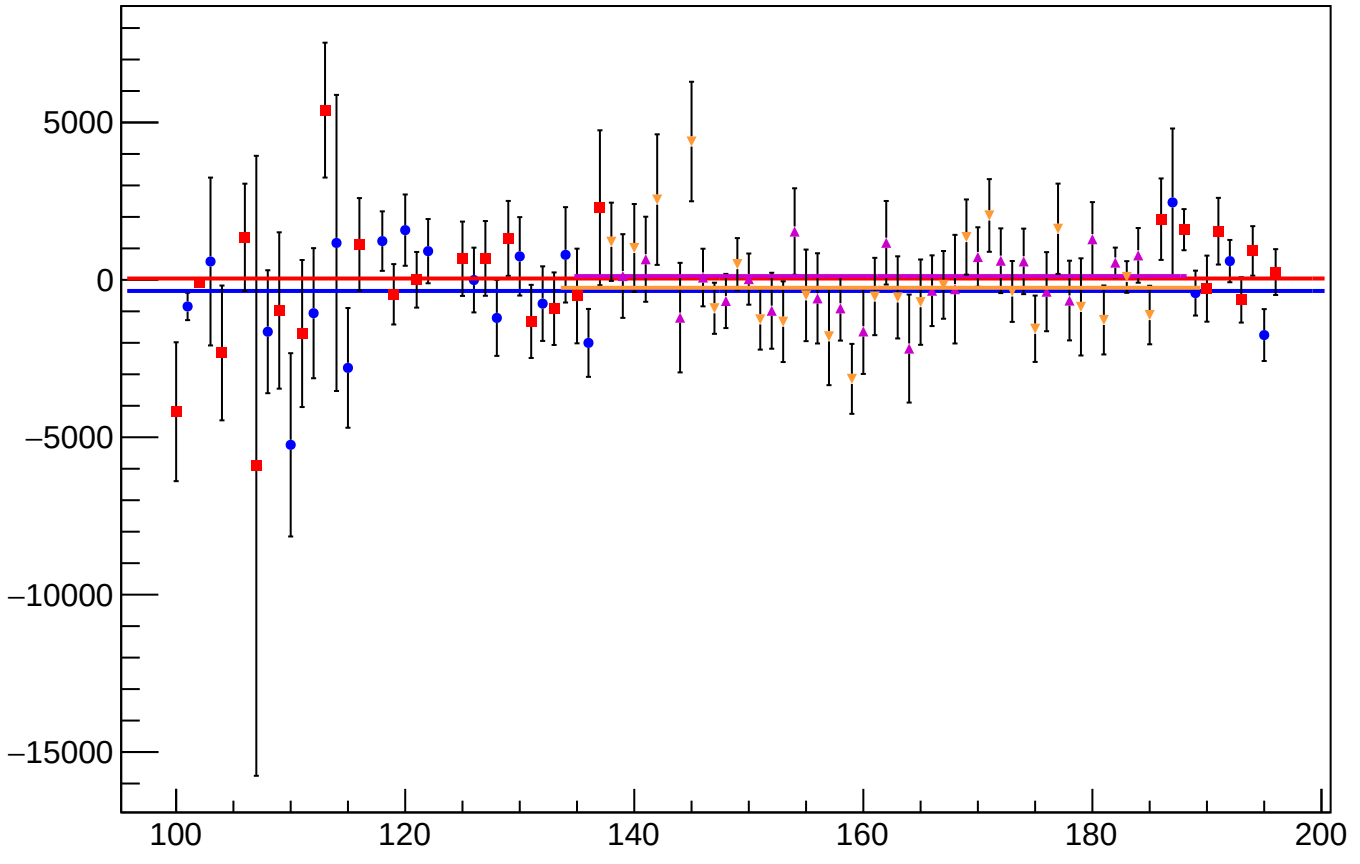
Right Out: 1544.242+/-0.319 χ^2/NDF: 210834.0/24

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153025.9/43

All: 1490.831+/-0.138 χ^2/NDF: 404516.5/91

- sign 1497.889+/-0.193 χ^2/NDF: 248770.3/47



Right In: -352.090+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 43.453+/-126.415 χ^2/NDF: 31.3/24

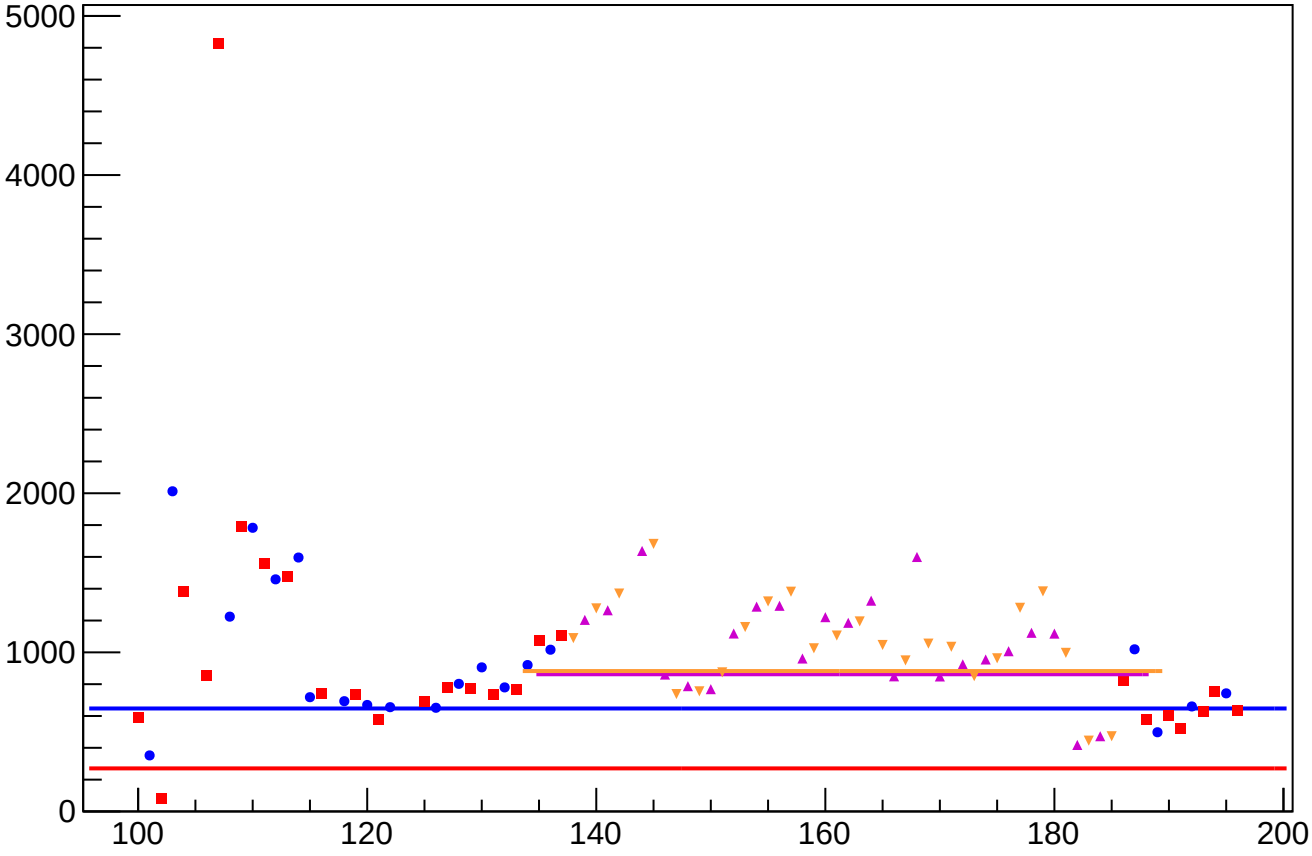
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -299.788+/-157.529 χ^2/NDF: 57.3/43

All: -54.640+/-89.690 χ^2/NDF: 105.2/91

- sign 62.946+/-109.100 χ^2/NDF: 44.2/47

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 647.251+/-0.161 χ^2/NDF: 2928303.1/19

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 270.635+/-0.089 χ^2/NDF: 12689654.7/24

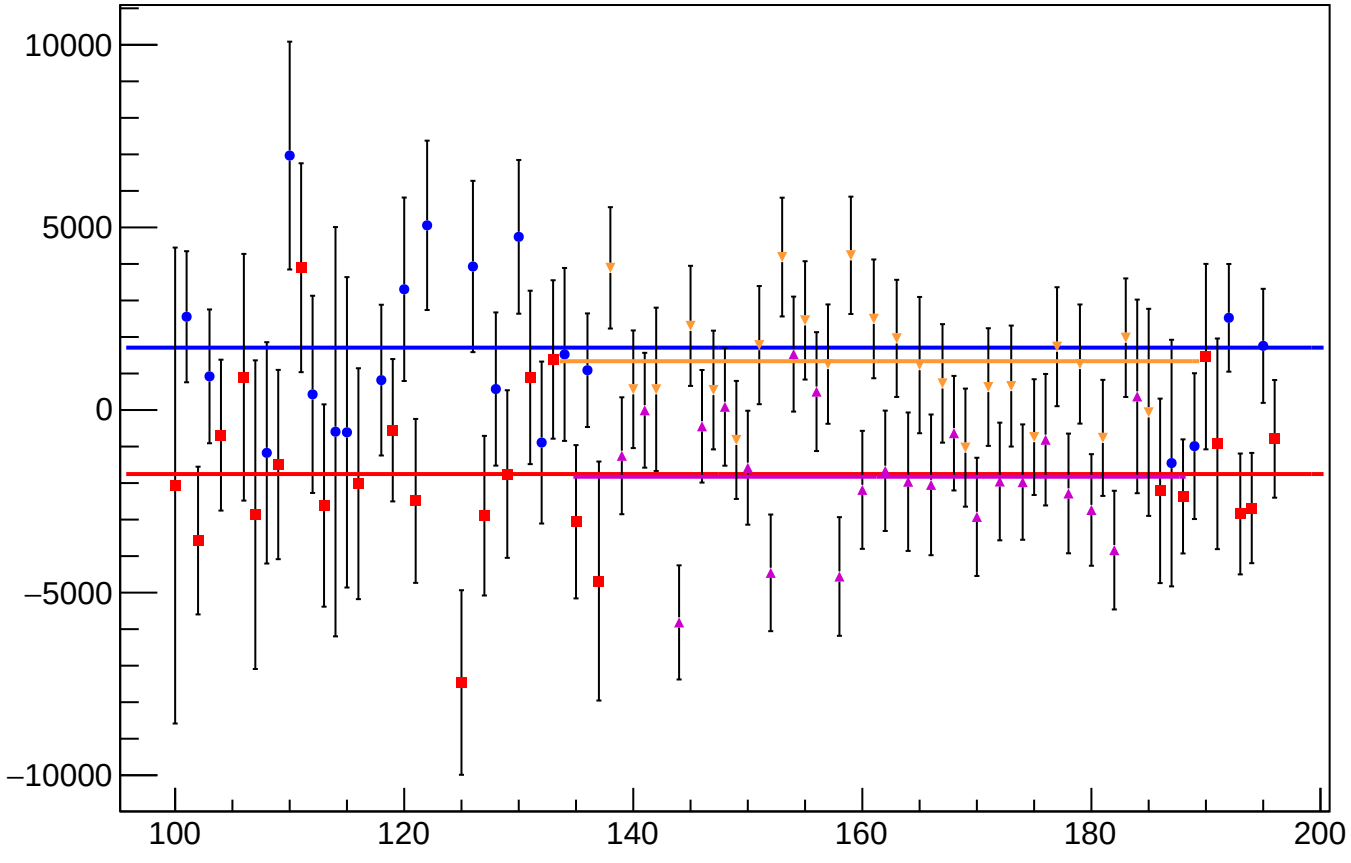
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 769.635+/-0.111 χ^2/NDF: 7942375.7/43

All: 534.431+/-0.063 χ^2/NDF: 42778179.8/91

- sign 421.615+/-0.077 χ^2/NDF: 28238656.7/47

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1708.547+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1752.974+/-451.436 χ^2/NDF: 19.2/24

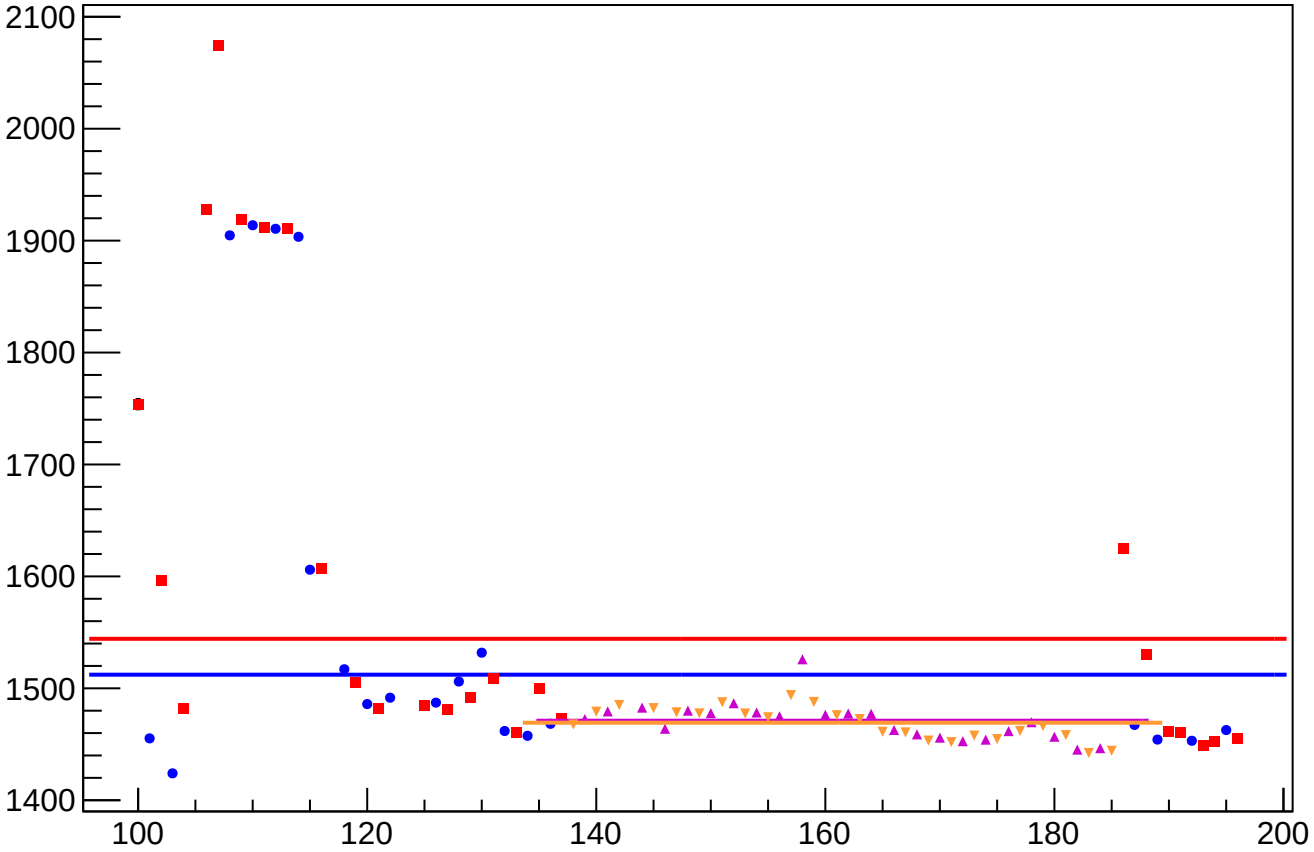
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.148+/-278.836 χ^2/NDF: 34.9/43

All: -202.103+/-195.200 χ^2/NDF: 150.3/91

- sign -1799.632+/-273.354 χ^2/NDF: 45.7/47

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

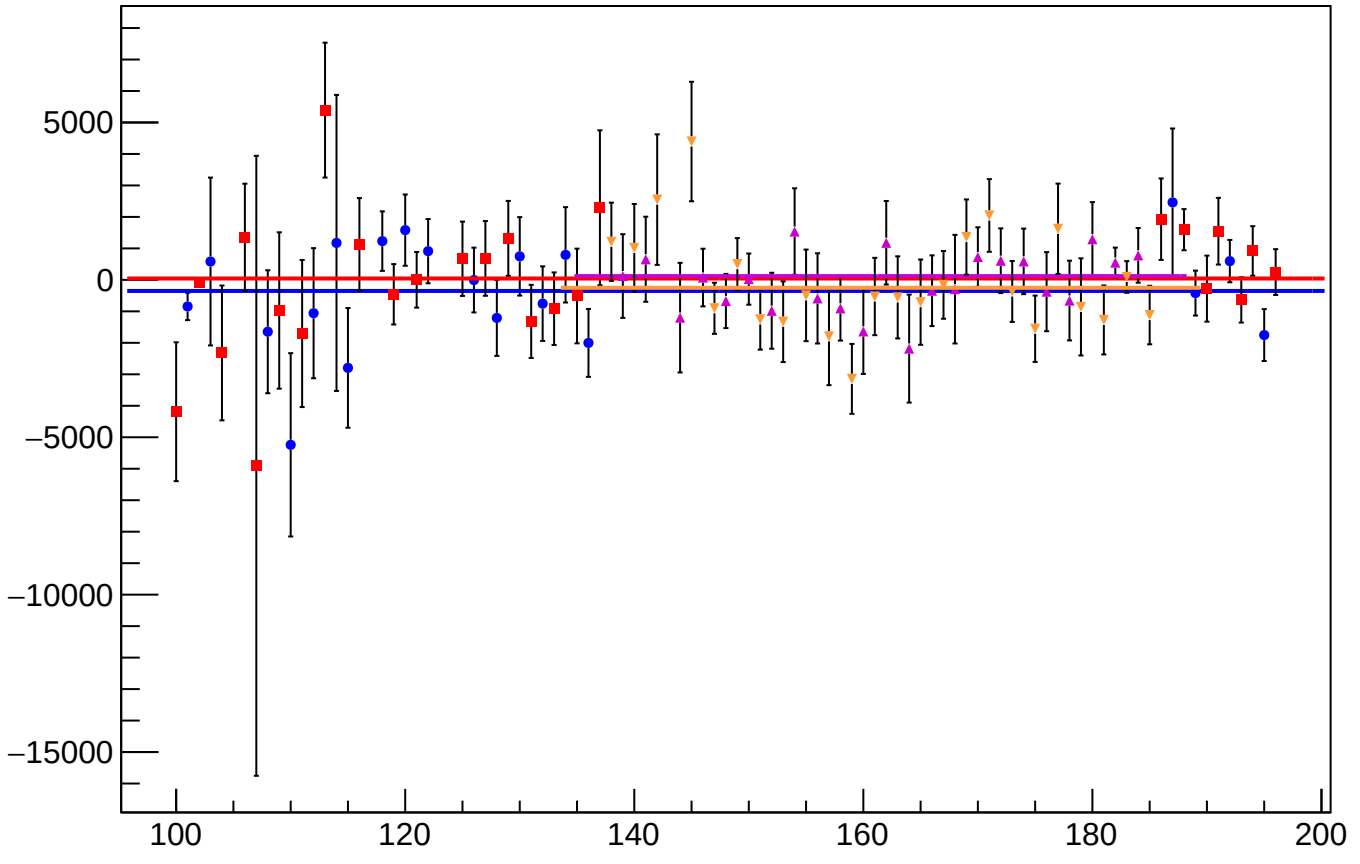
Right Out: 1544.242+/-0.319 χ^2/NDF: 210834.0/24

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153025.9/43

All: 1490.831+/-0.138 χ^2/NDF: 404516.5/91

- sign 1497.889+/-0.193 χ^2/NDF: 248770.3/47



Right In: -352.090+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

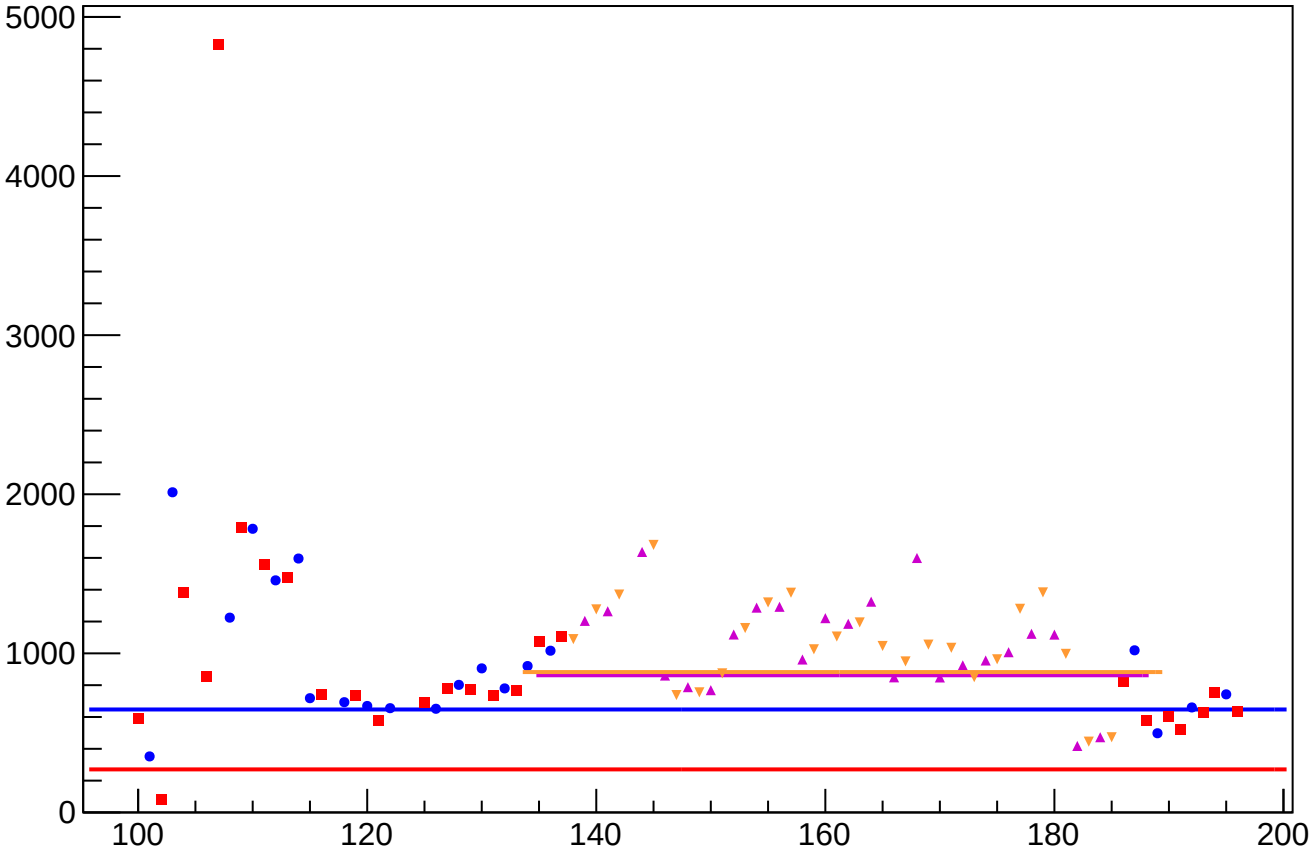
Right Out: 43.453+/-126.415 χ^2/NDF: 31.3/24

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -299.788+/-157.529 χ^2/NDF: 57.3/43

All: -54.640+/-89.690 χ^2/NDF: 105.2/91

- sign 62.946+/-109.100 χ^2/NDF: 44.2/47



Right In: 647.251+/-0.161 χ^2/NDF: 2928303.1/19

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 270.635+/-0.089 χ^2/NDF: 12689654.7/24

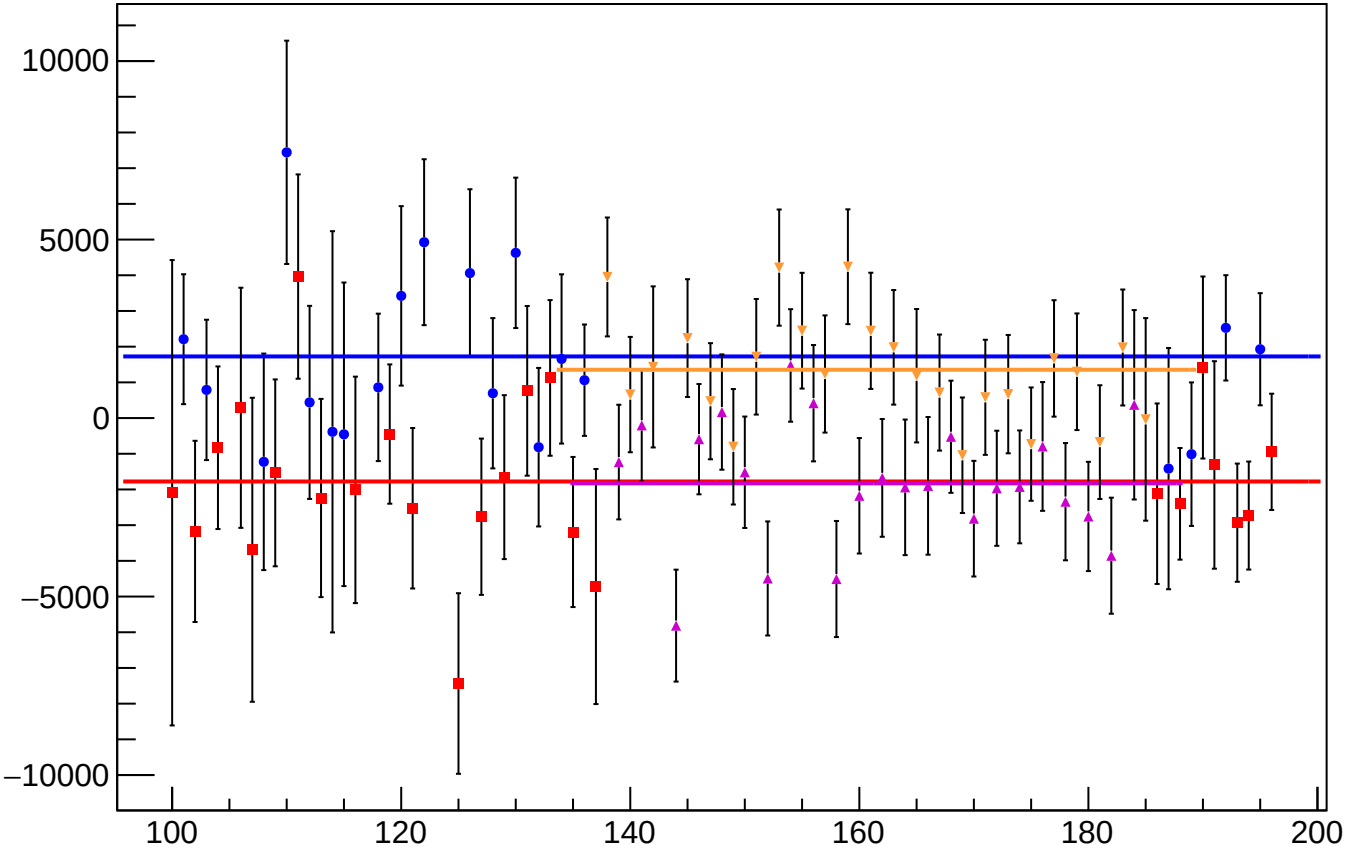
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 769.635+/-0.111 χ^2/NDF: 7942375.7/43

All: 534.431+/-0.063 χ^2/NDF: 42778179.8/91

- sign 421.615+/-0.077 χ^2/NDF: 28238656.7/47

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1726.392+/-488.137 χ^2/NDF: 15.4/19

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1776.556+/-458.831 χ^2/NDF: 18.0/24

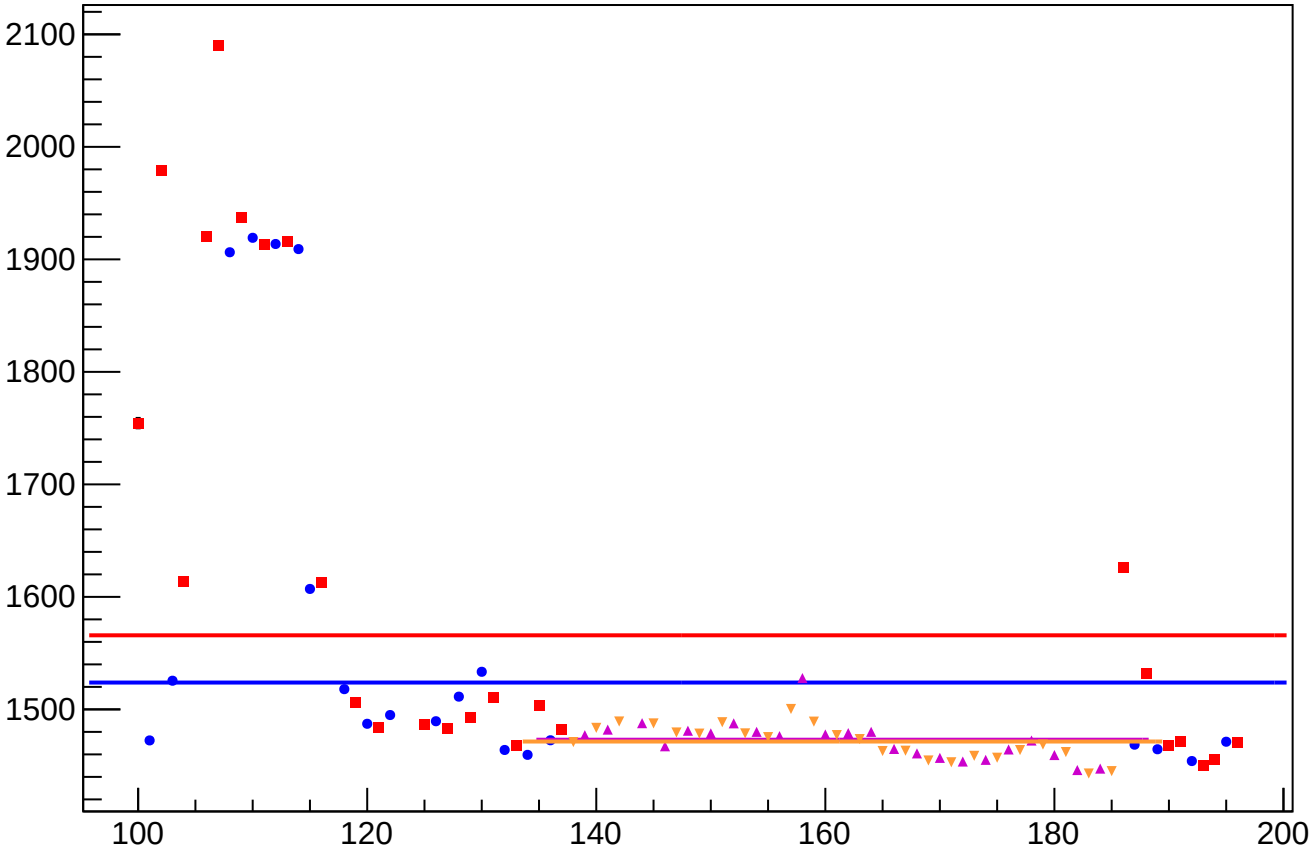
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1476.193+/-279.859 χ^2/NDF: 34.7/43

All: -194.240+/-196.226 χ^2/NDF: 148.6/91

- sign -1809.652+/-275.211 χ^2/NDF: 43.8/47

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1523.858+/-0.345 χ^2/NDF: 132438.5/19

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

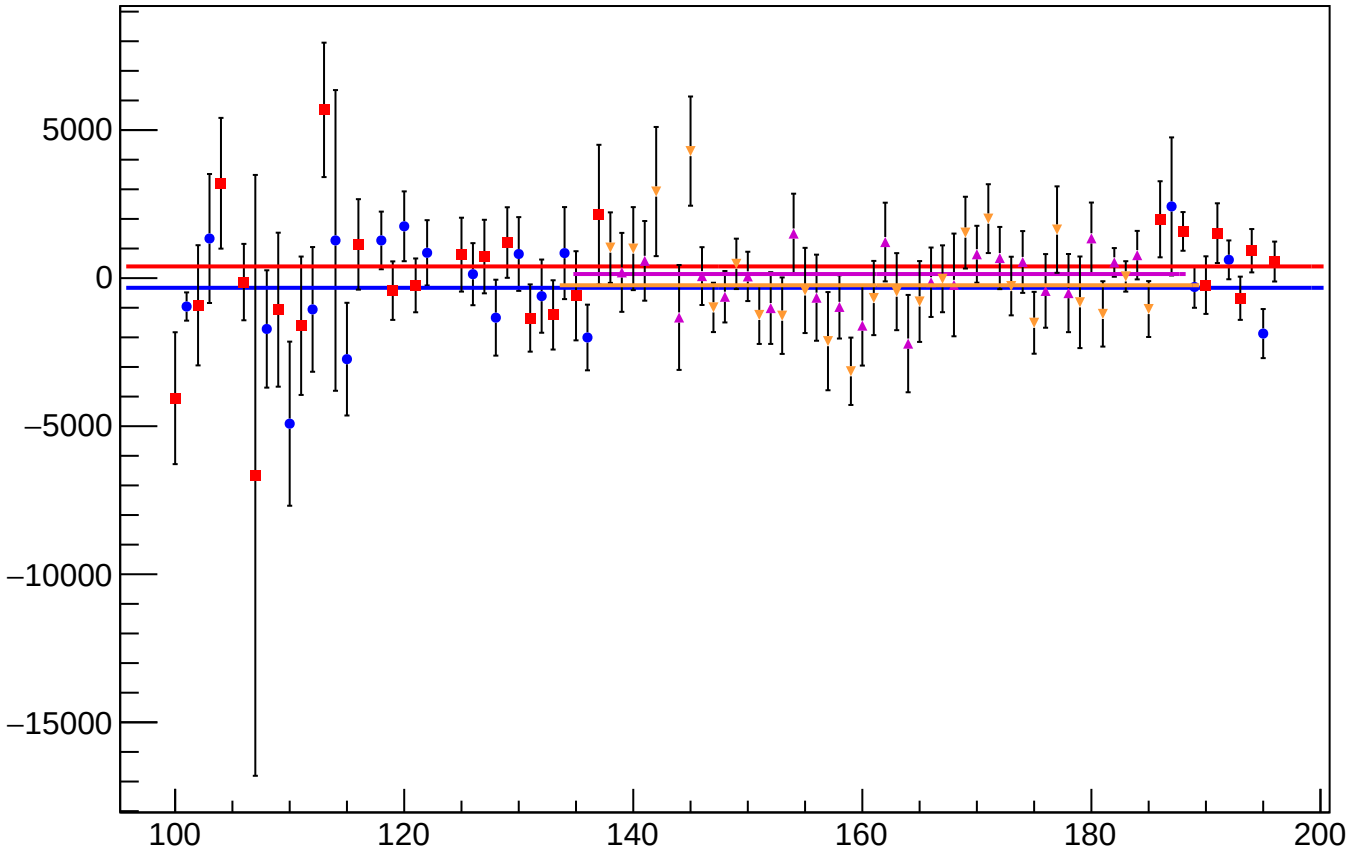
Right Out: 1565.848+/-0.324 χ^2/NDF: 264020.3/24

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1488.667+/-0.198 χ^2/NDF: 151359.2/43

All: 1497.700+/-0.139 χ^2/NDF: 476606.9/91

- sign 1506.435+/-0.195 χ^2/NDF: 321149.4/47



Right In: -326.826+/-234.585 χ^2/NDF: 25.9/19

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 395.466+/-226.416 χ^2/NDF: 29.7/24

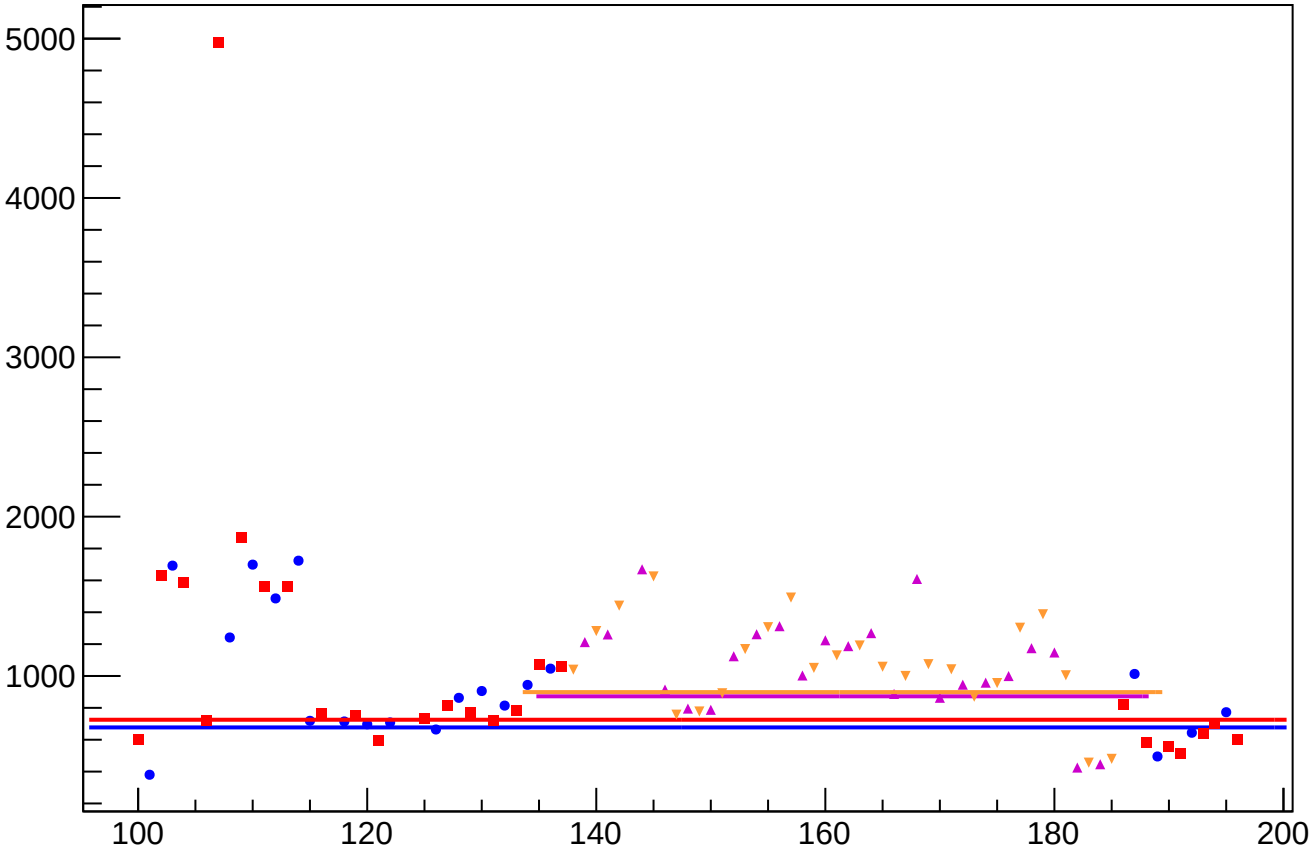
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -281.121+/-161.162 χ^2/NDF: 58.4/43

All: -2.651+/-112.539 χ^2/NDF: 107.6/91

- sign 262.359+/-157.219 χ^2/NDF: 43.4/47

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 677.219+/-0.166 χ^2/NDF: 2653767.0/19

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 725.385+/-0.160 χ^2/NDF: 2534427.5/24

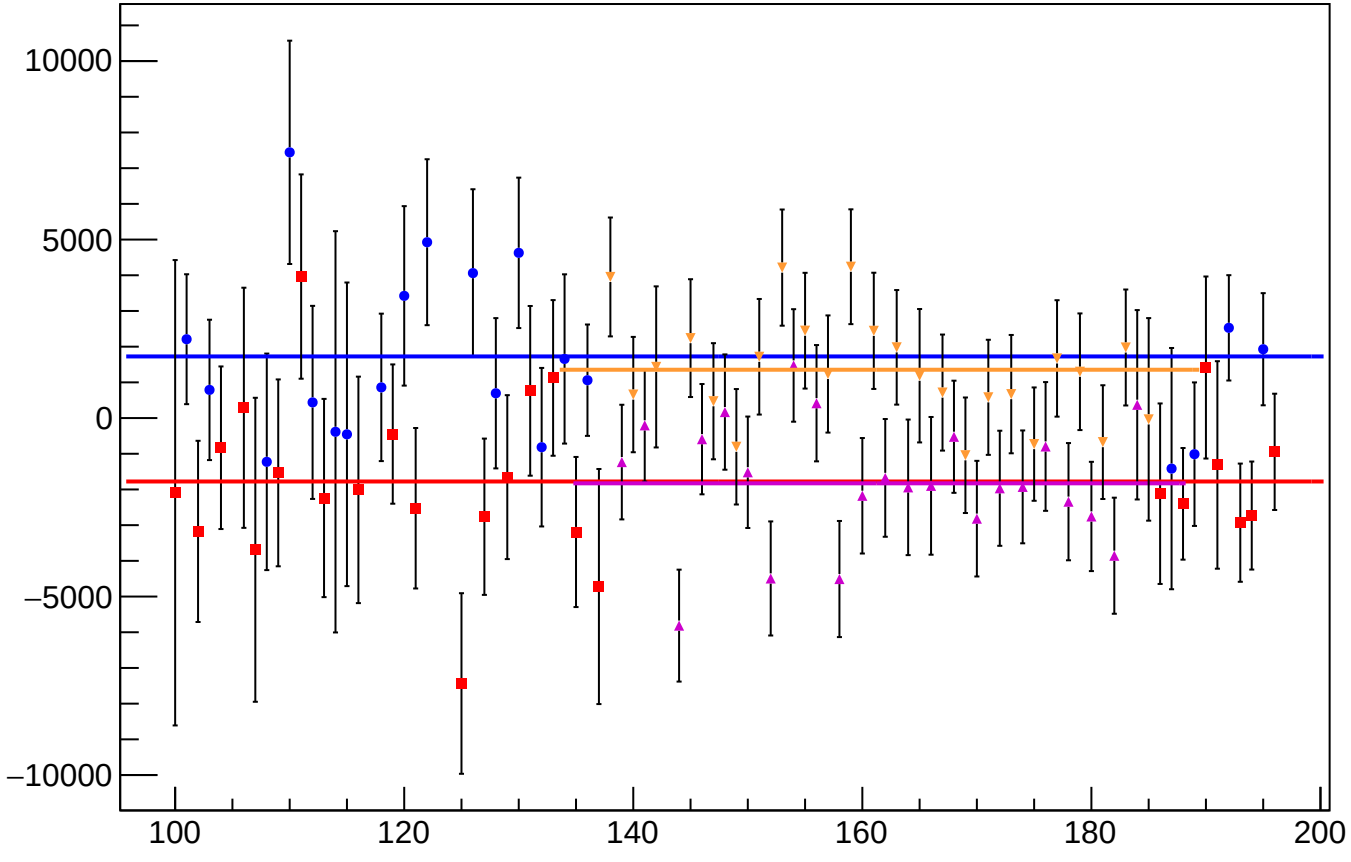
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 794.244+/-0.114 χ^2/NDF: 7387912.0/43

All: 797.989+/-0.080 χ^2/NDF: 14797040.9/91

- sign 801.552+/-0.111 χ^2/NDF: 7407021.8/47

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1726.390+/-488.137 χ^2/NDF: 15.4/19

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1776.554+/-458.831 χ^2/NDF: 18.0/24

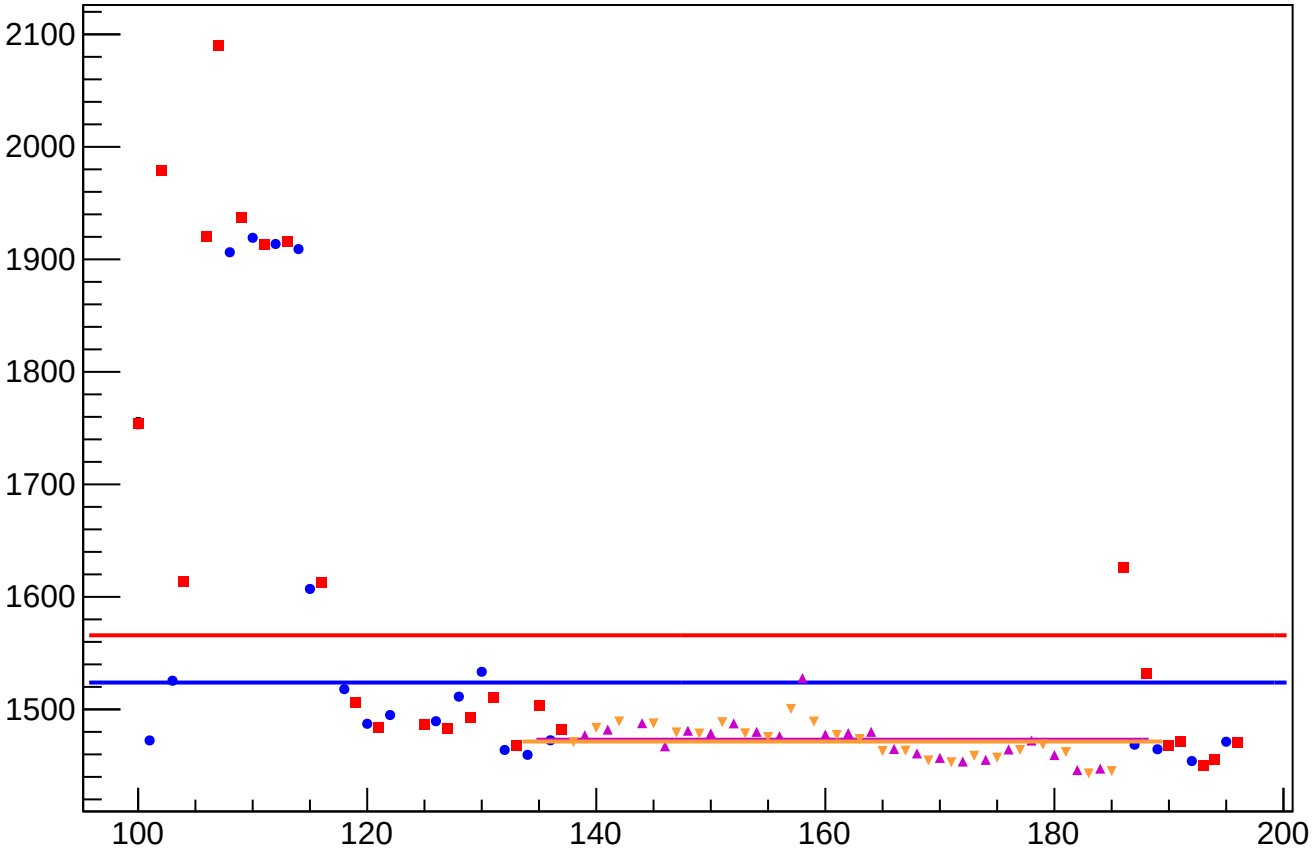
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1476.191+/-279.859 χ^2/NDF: 34.7/43

All: -194.241+/-196.226 χ^2/NDF: 148.6/91

- sign -1809.652+/-275.211 χ^2/NDF: 43.8/47

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1523.858+/-0.345 χ^2/NDF: 132438.5/19

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

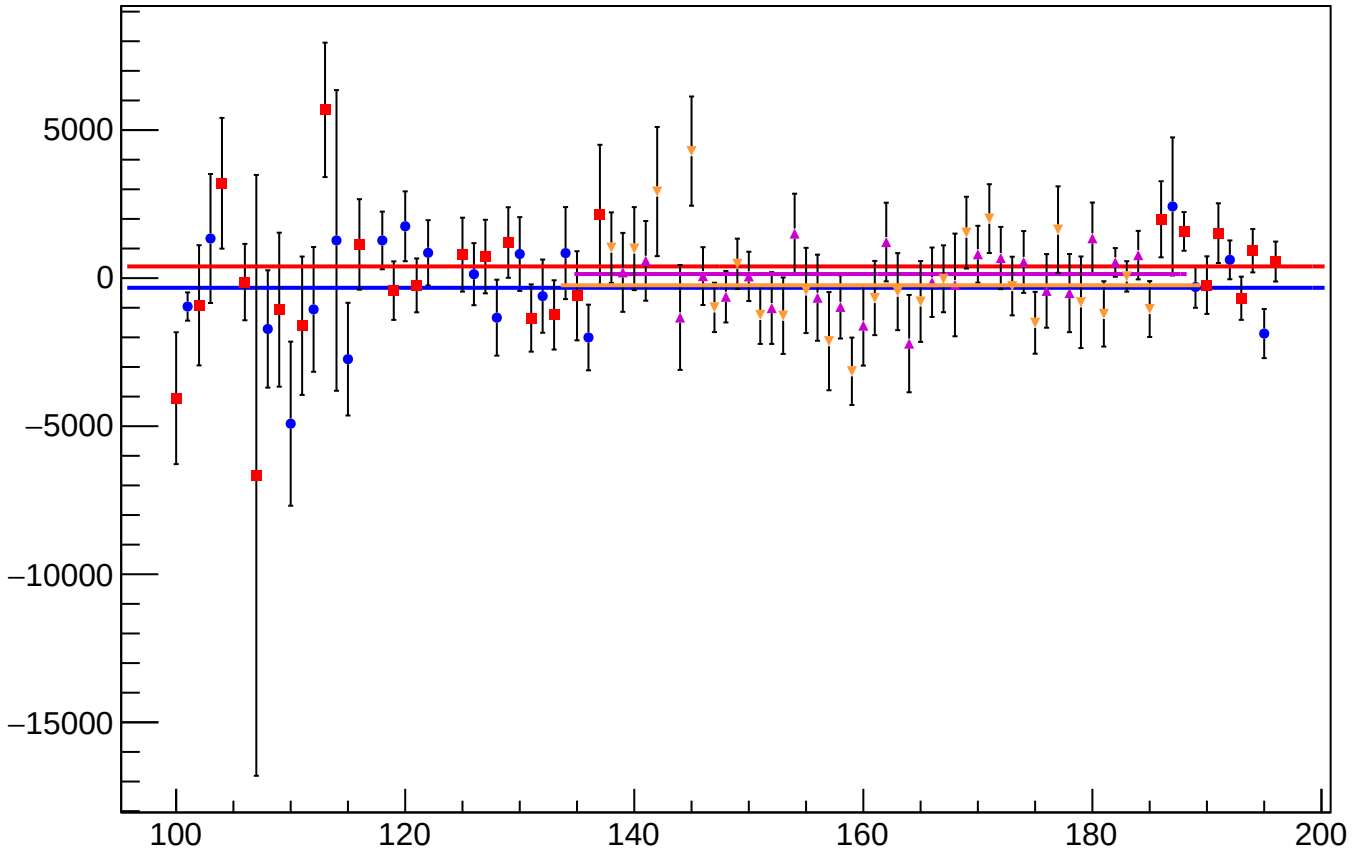
Right Out: 1565.848+/-0.324 χ^2/NDF: 264020.0/24

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1488.667+/-0.198 χ^2/NDF: 151359.1/43

All: 1497.700+/-0.139 χ^2/NDF: 476606.2/91

- sign 1506.435+/-0.195 χ^2/NDF: 321148.9/47



Right In: -326.825+/-234.585 χ^2/NDF: 25.9/19

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

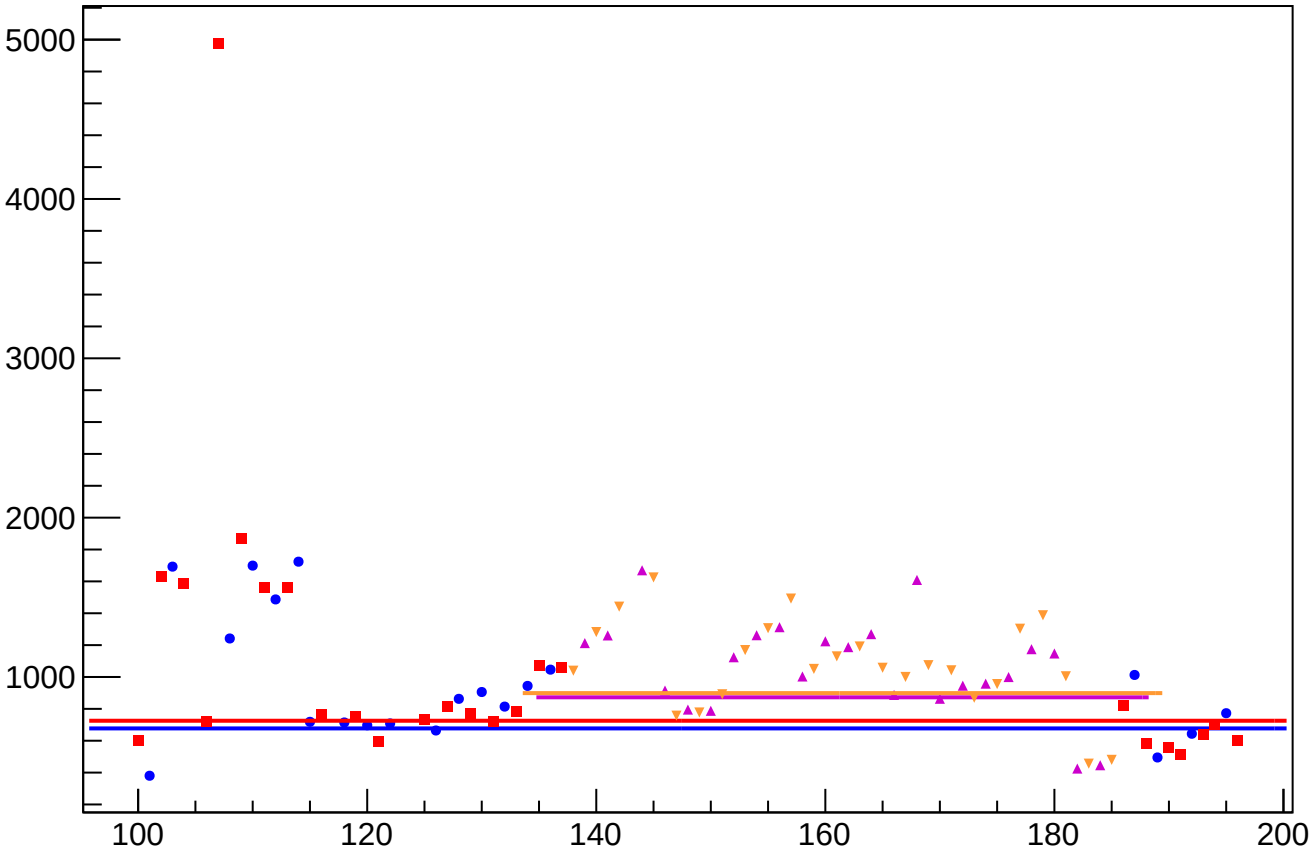
Right Out: 395.466+/-226.416 χ^2/NDF: 29.7/24

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -281.122+/-161.162 χ^2/NDF: 58.4/43

All: -2.652+/-112.539 χ^2/NDF: 107.6/91

- sign 262.359+/-157.219 χ^2/NDF: 43.4/47



Right In: 677.219+/-0.166 χ^2/NDF: 2653760.1/19

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 725.385+/-0.160 χ^2/NDF: 2534429.6/24

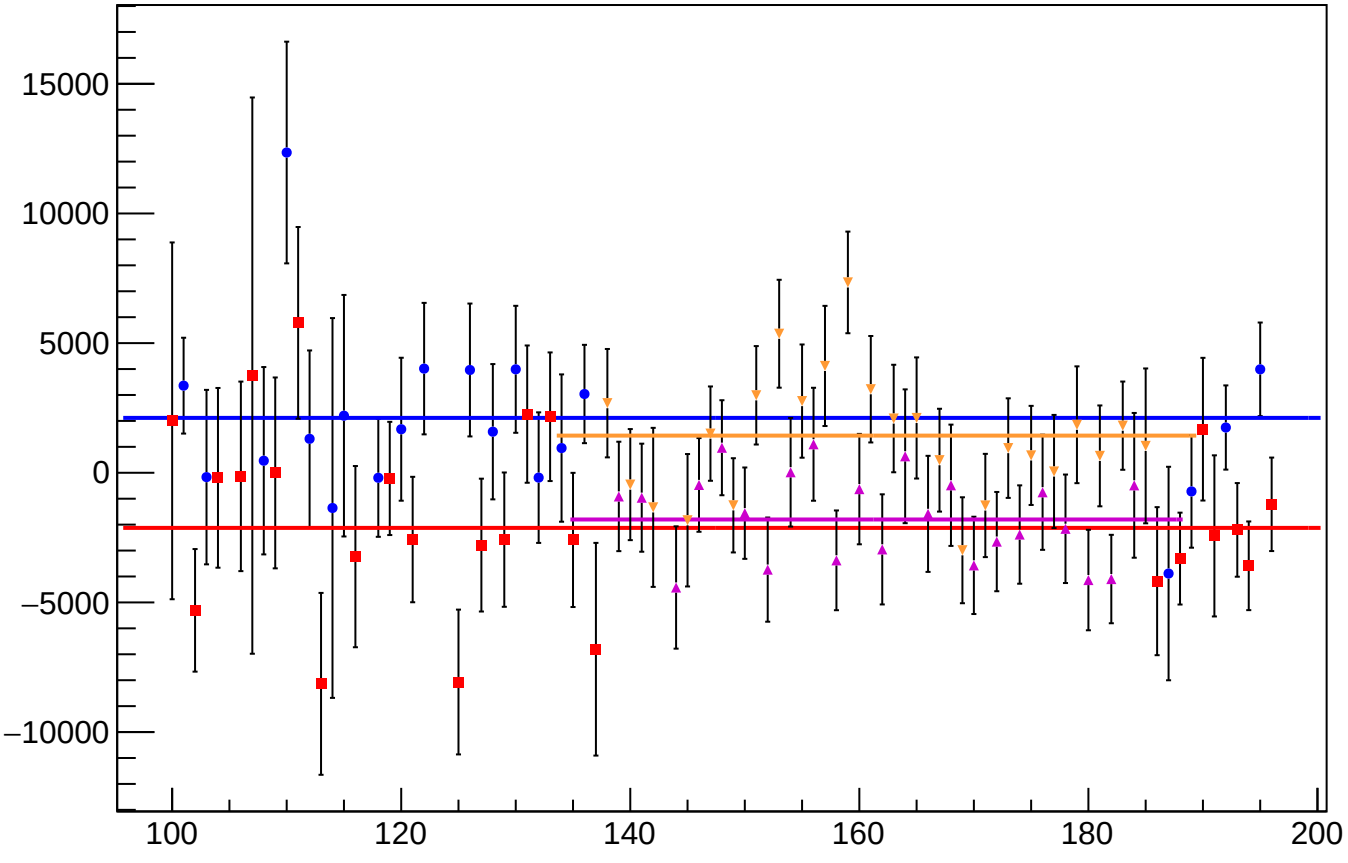
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 794.244+/-0.114 χ^2/NDF: 7387920.3/43

All: 797.989+/-0.080 χ^2/NDF: 14797066.2/91

- sign 801.552+/-0.111 χ^2/NDF: 7407038.8/47

asym_usl_atl1_avg_mean vs Slug



Right In: 2116.599+/-565.497 χ^2/NDF: 16.1/19

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2125.823+/-524.504 χ^2/NDF: 27.4/24

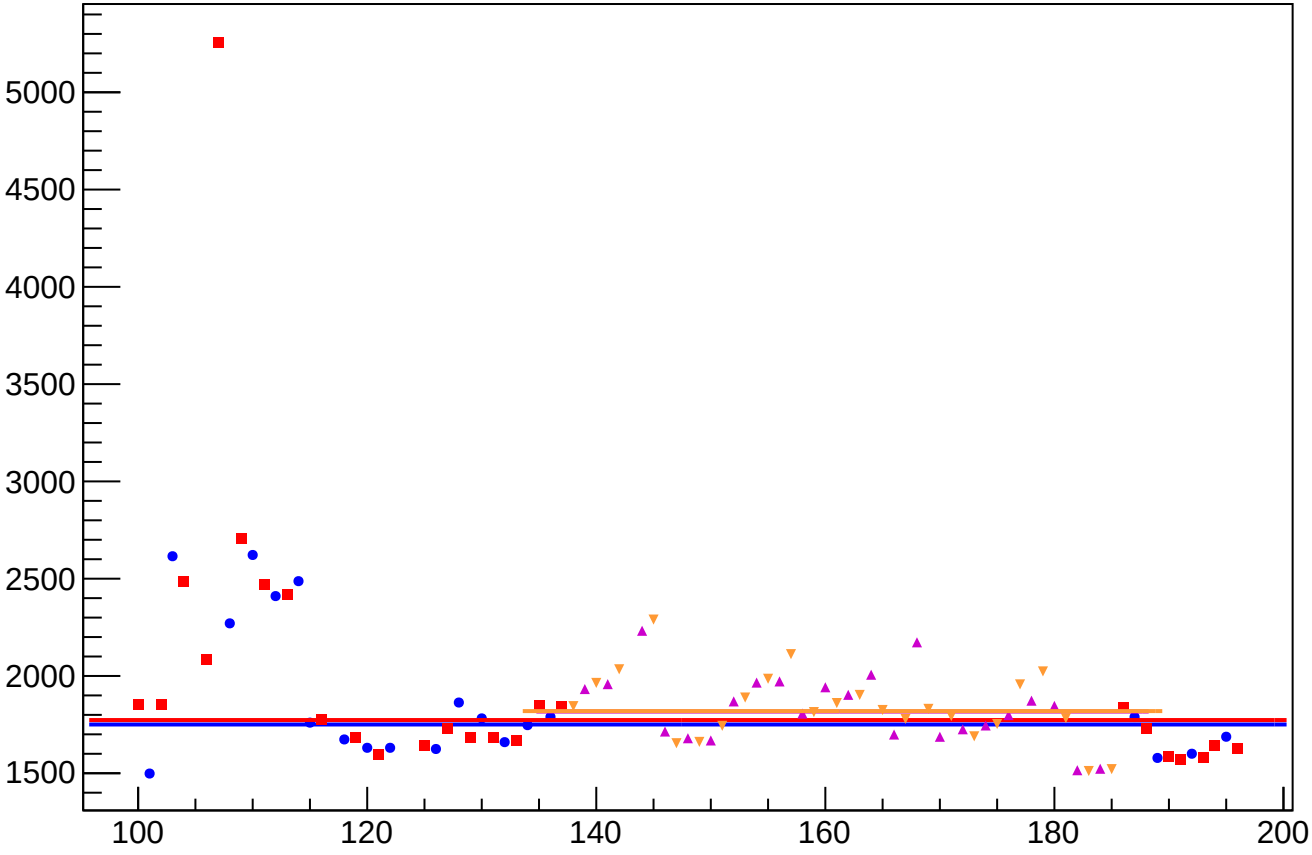
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1679.551+/-339.473 χ^2/NDF: 46.4/43

All: -171.697+/-236.954 χ^2/NDF: 147.3/91

- sign -1930.610+/-330.899 χ^2/NDF: 42.9/47

asym_usl_atl1_avg_rms vs Slug



Right In: 1750.574+/-0.400 χ^2/NDF: 444238.9/19

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1773.438+/-0.371 χ^2/NDF: 678035.6/24

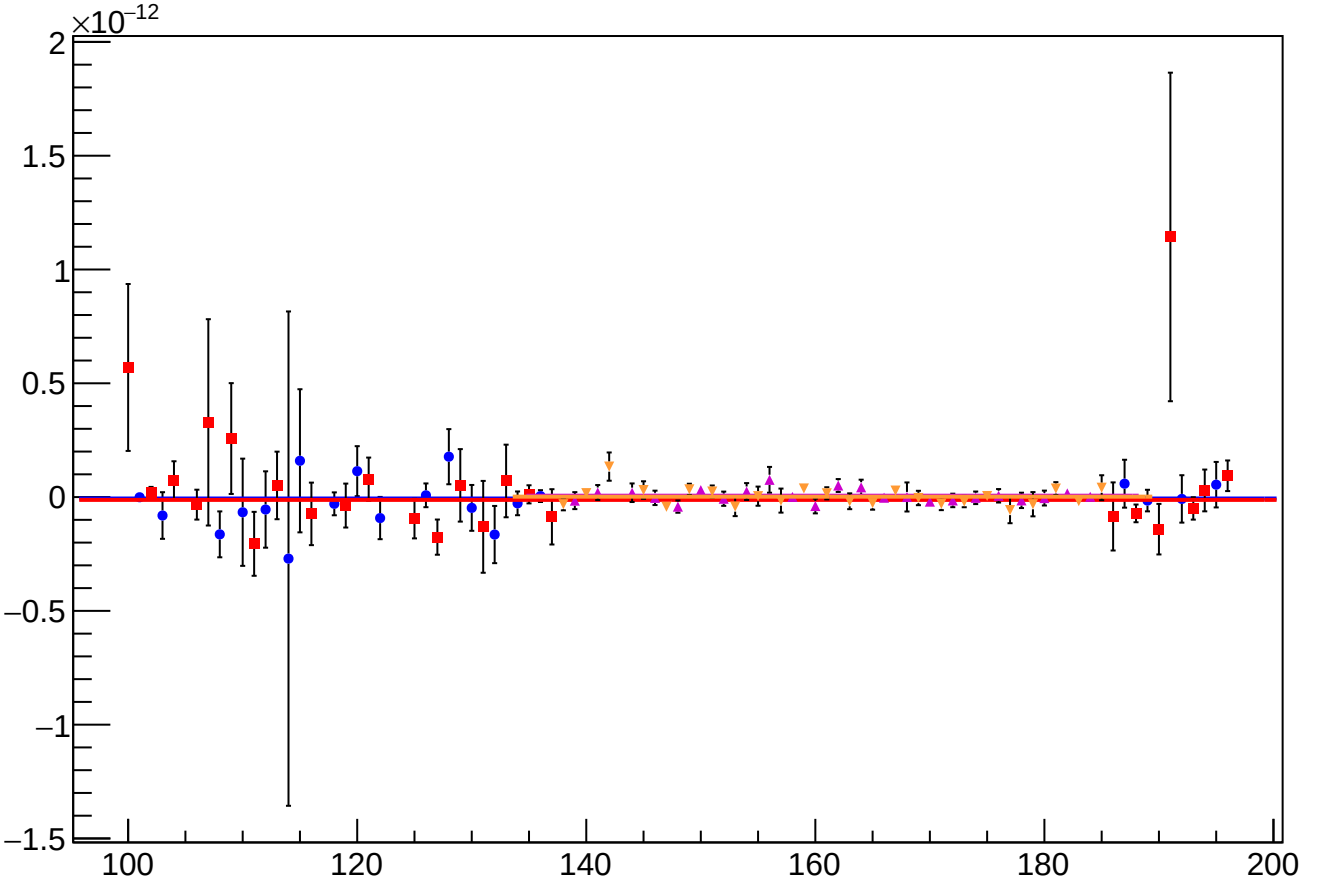
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1794.608+/-0.240 χ^2/NDF: 758213.1/43

All: 1797.243+/-0.168 χ^2/NDF: 1751945.9/91

- sign 1799.747+/-0.234 χ^2/NDF: 993497.7/47

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

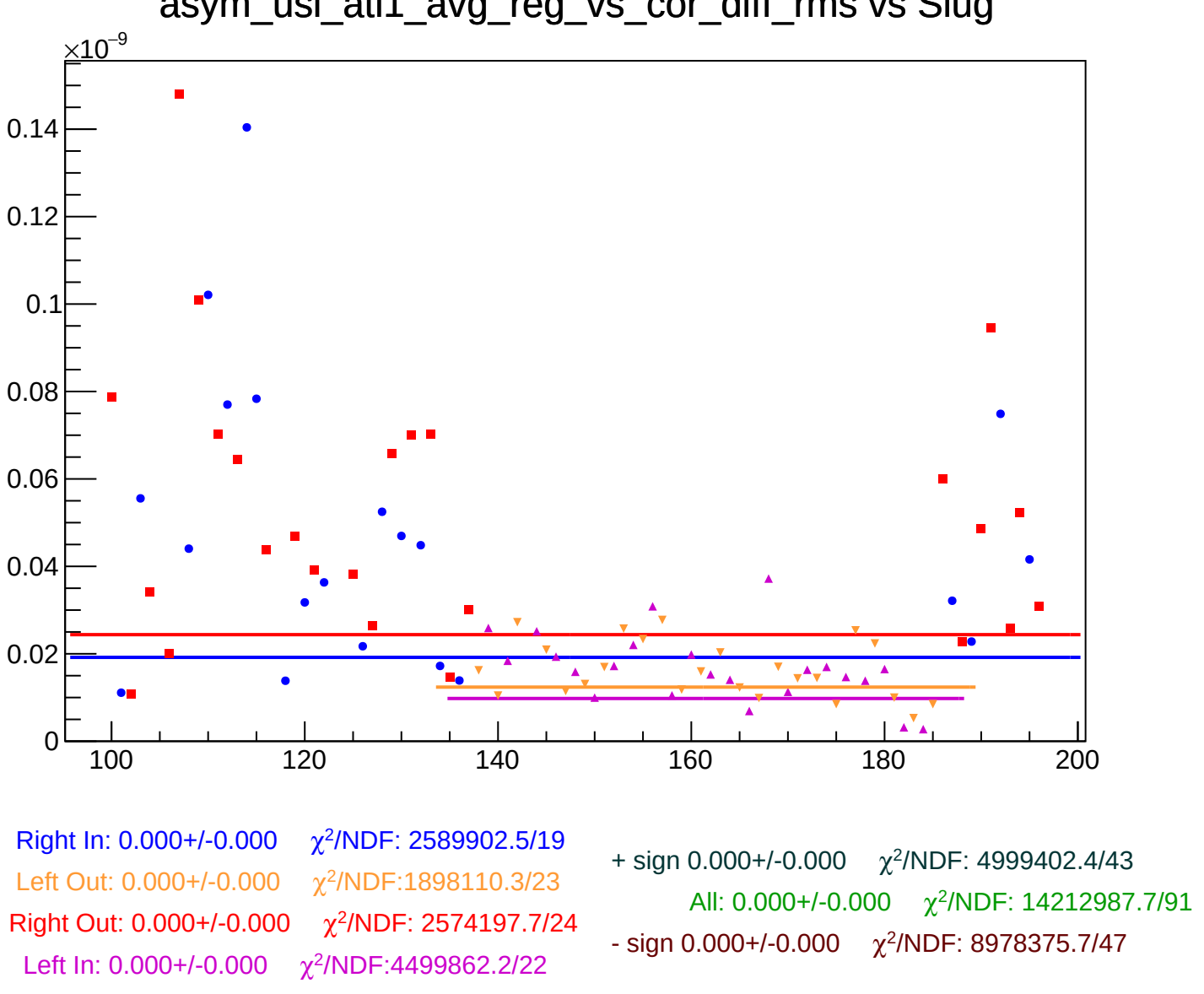
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

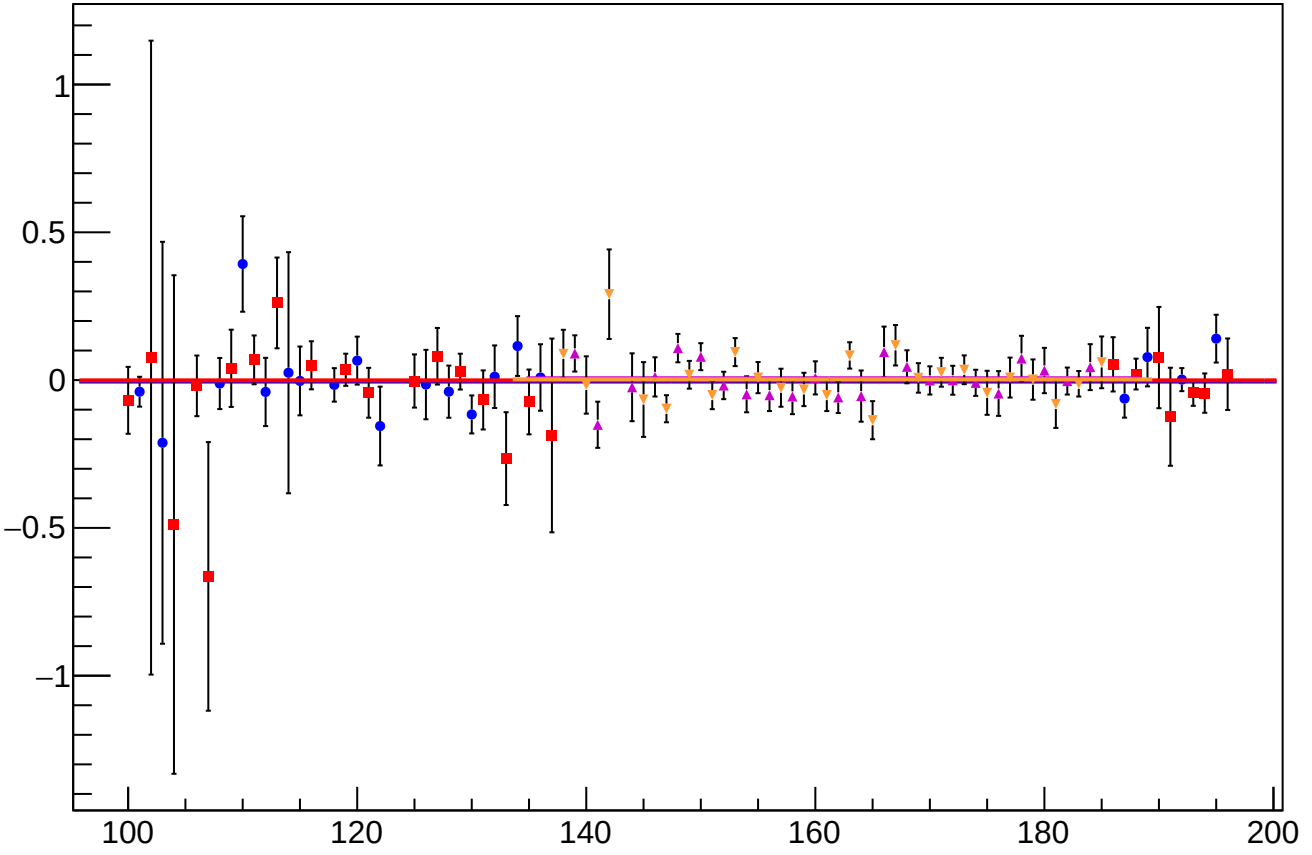
+ sign 0.000+/-0.000 χ^2/NDF: 40.7/43

All: 0.000+/-0.000 χ^2/NDF: 87.3/91

- 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: 2589902.5/19
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: 4999402.4/43
All: 0.000+/-0.000 χ²/NDF: 14212987.7/91
- sign 0.000+/-0.000 χ²/NDF: 8978375.7/47

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

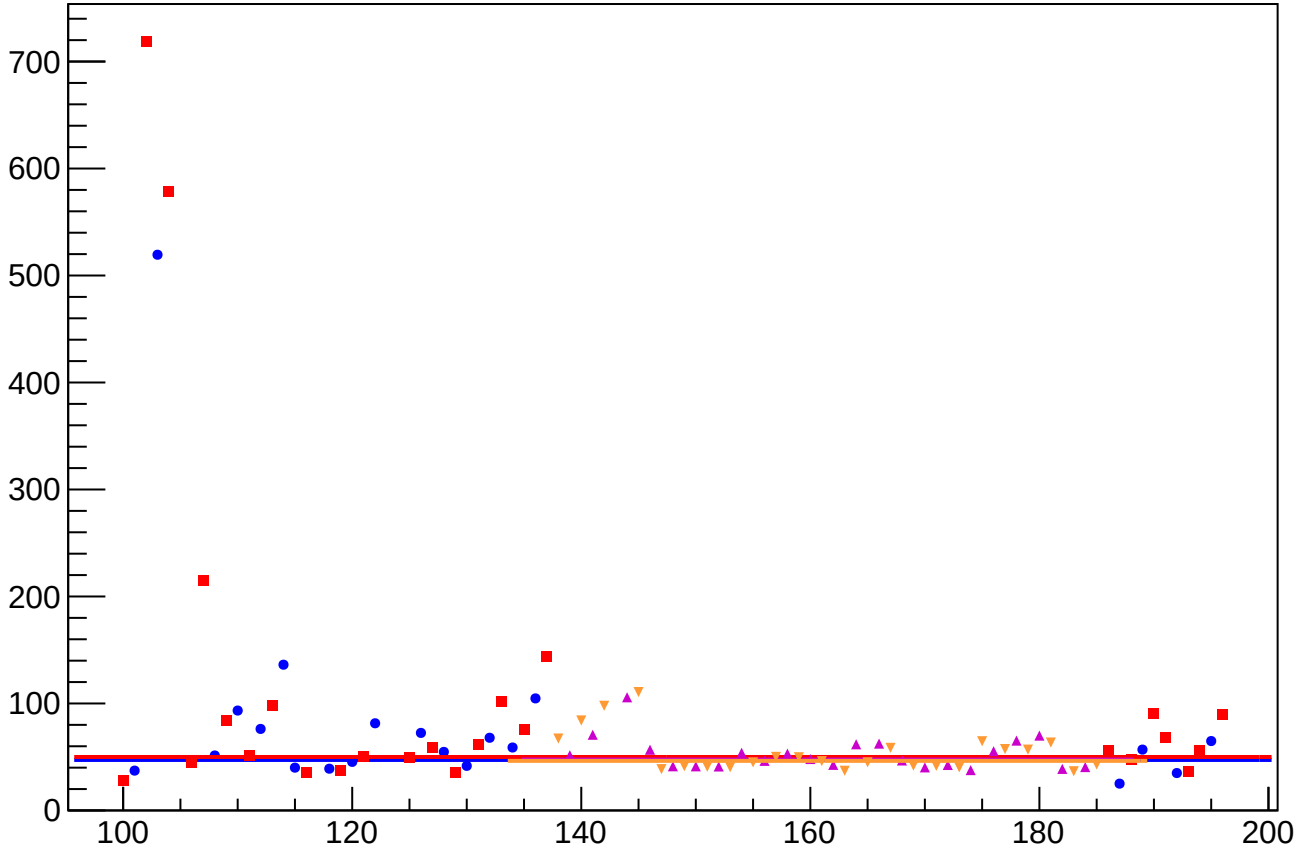
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/91

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.3/19

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

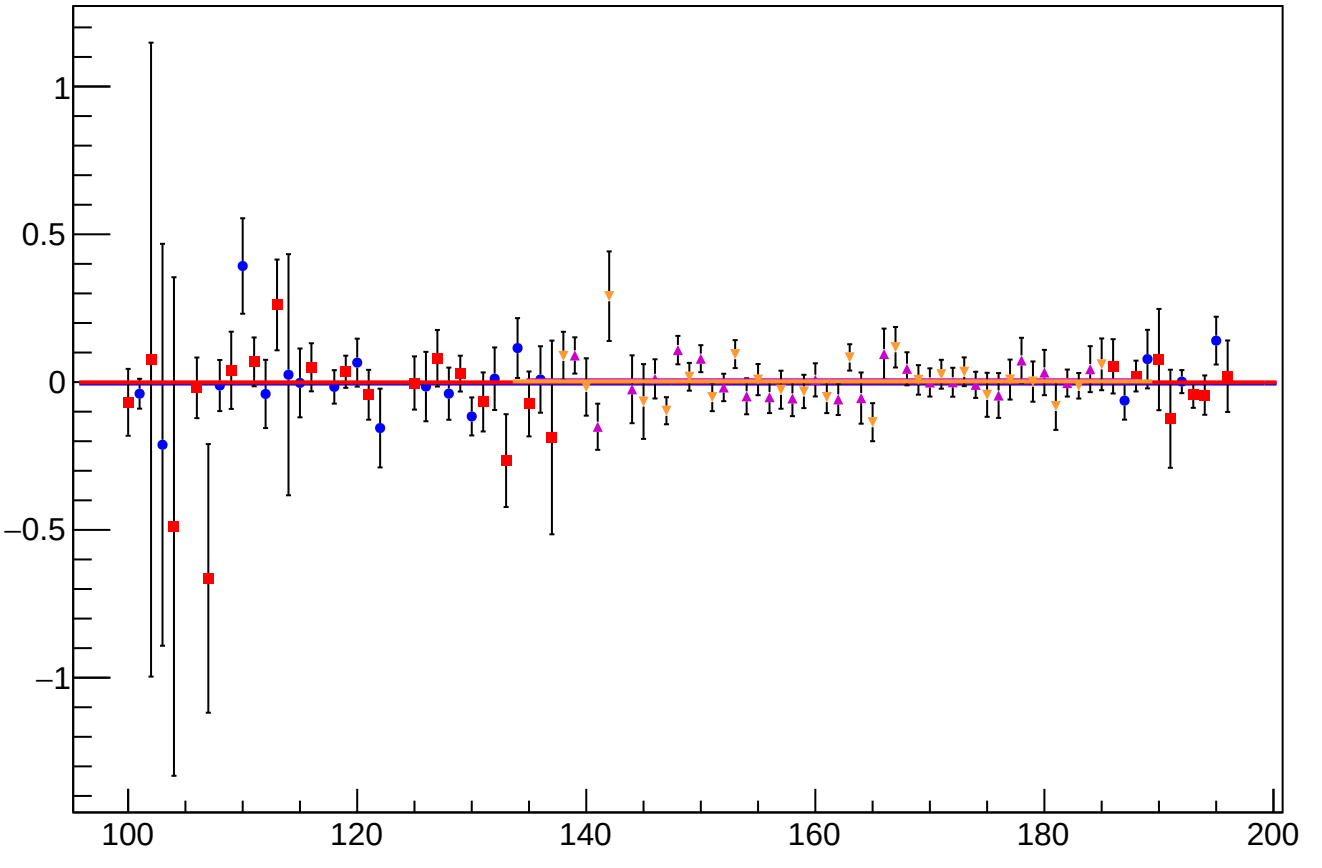
Right Out: 49.976+/-0.013 χ^2/NDF: 3634556.3/24

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

\+ sign 46.615+/-0.007 χ^2/NDF: 4883110.8/43

All: 47.468+/-0.005 χ^2/NDF: 10148734.8/91

\- sign 48.339+/-0.007 χ^2/NDF: 5235686.6/47



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

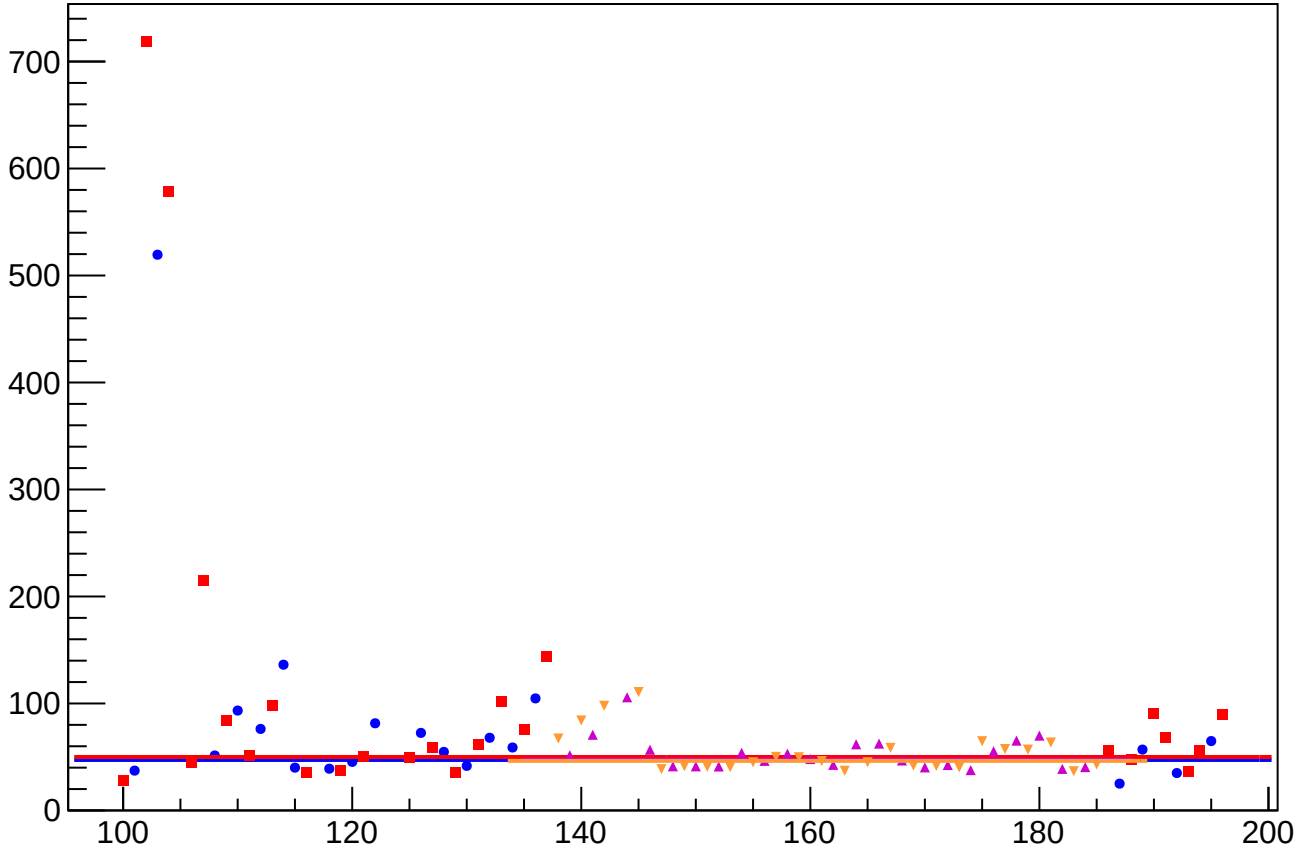
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/91

- 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: 47.210+/-0.013 χ^2/NDF: 2912190.3/19

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.976+/-0.013 χ^2/NDF: 3634556.3/24

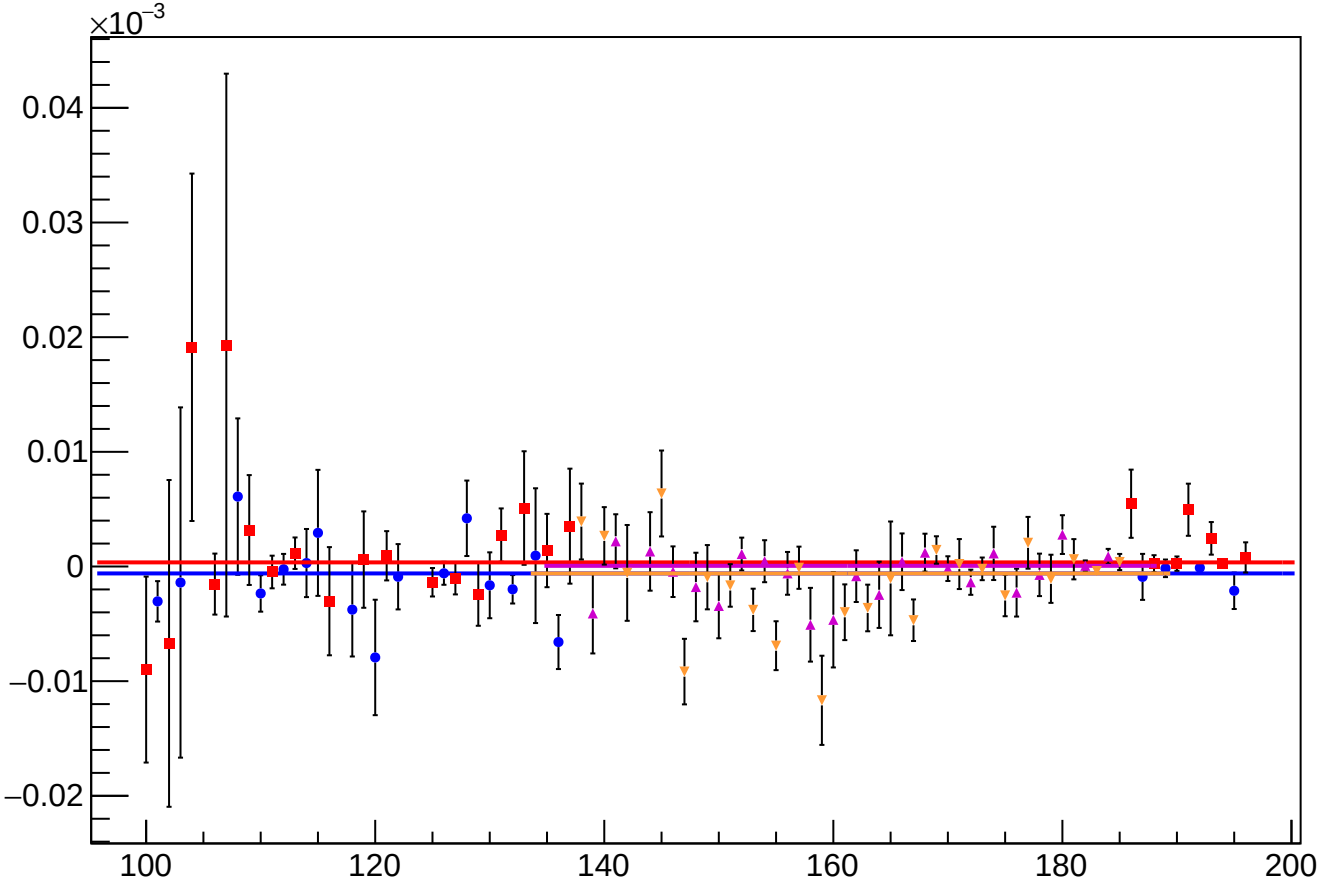
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.615+/-0.007 χ^2/NDF: 4883110.8/43

All: 47.468+/-0.005 χ^2/NDF: 10148734.8/91

- sign 48.339+/-0.007 χ^2/NDF: 5235686.6/47

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

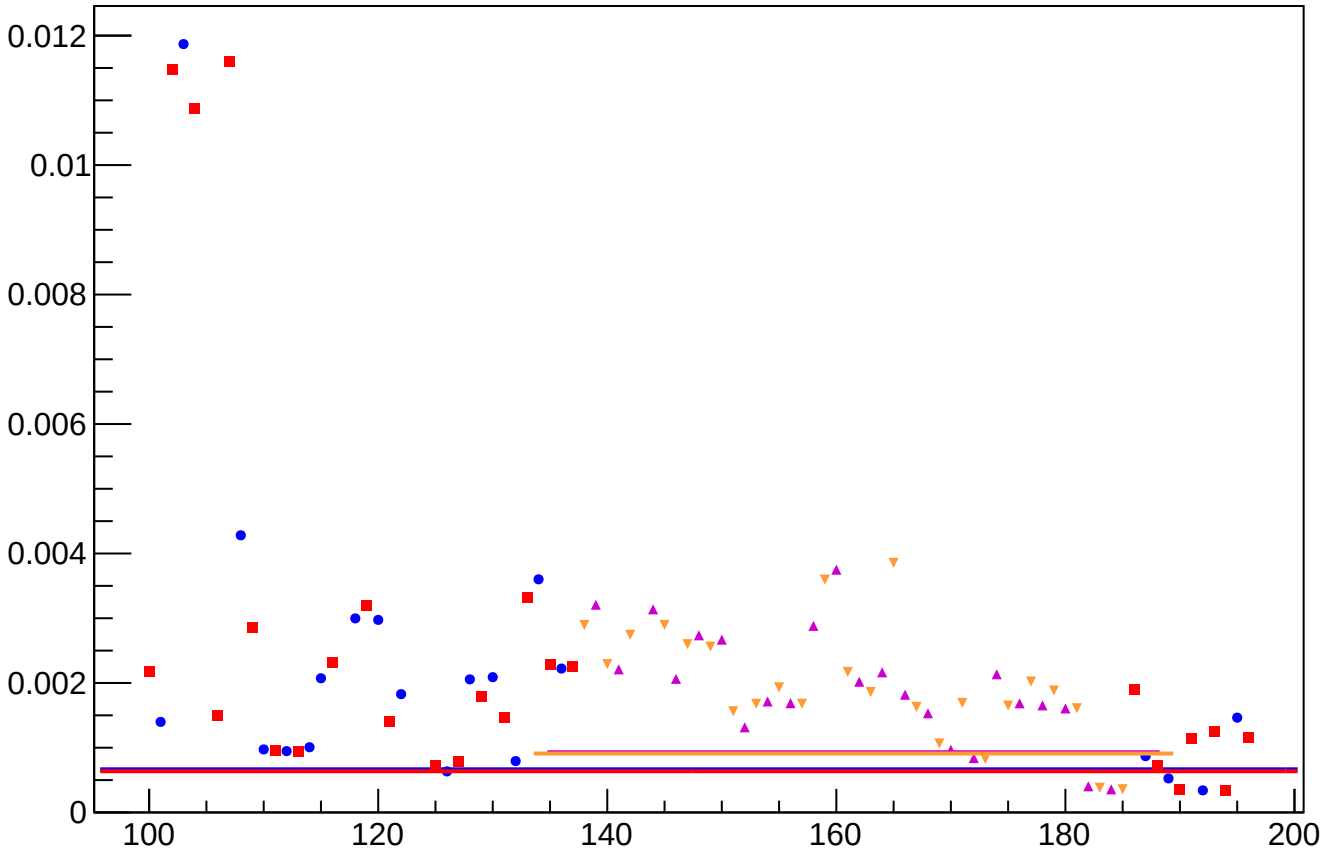
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.1/43

All: -0.000+/-0.000 χ^2/NDF: 123.6/91

- sign 0.000+/-0.000 χ^2/NDF: 40.3/47



Right In: 0.001+/-0.000 χ^2/NDF: 7803845.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

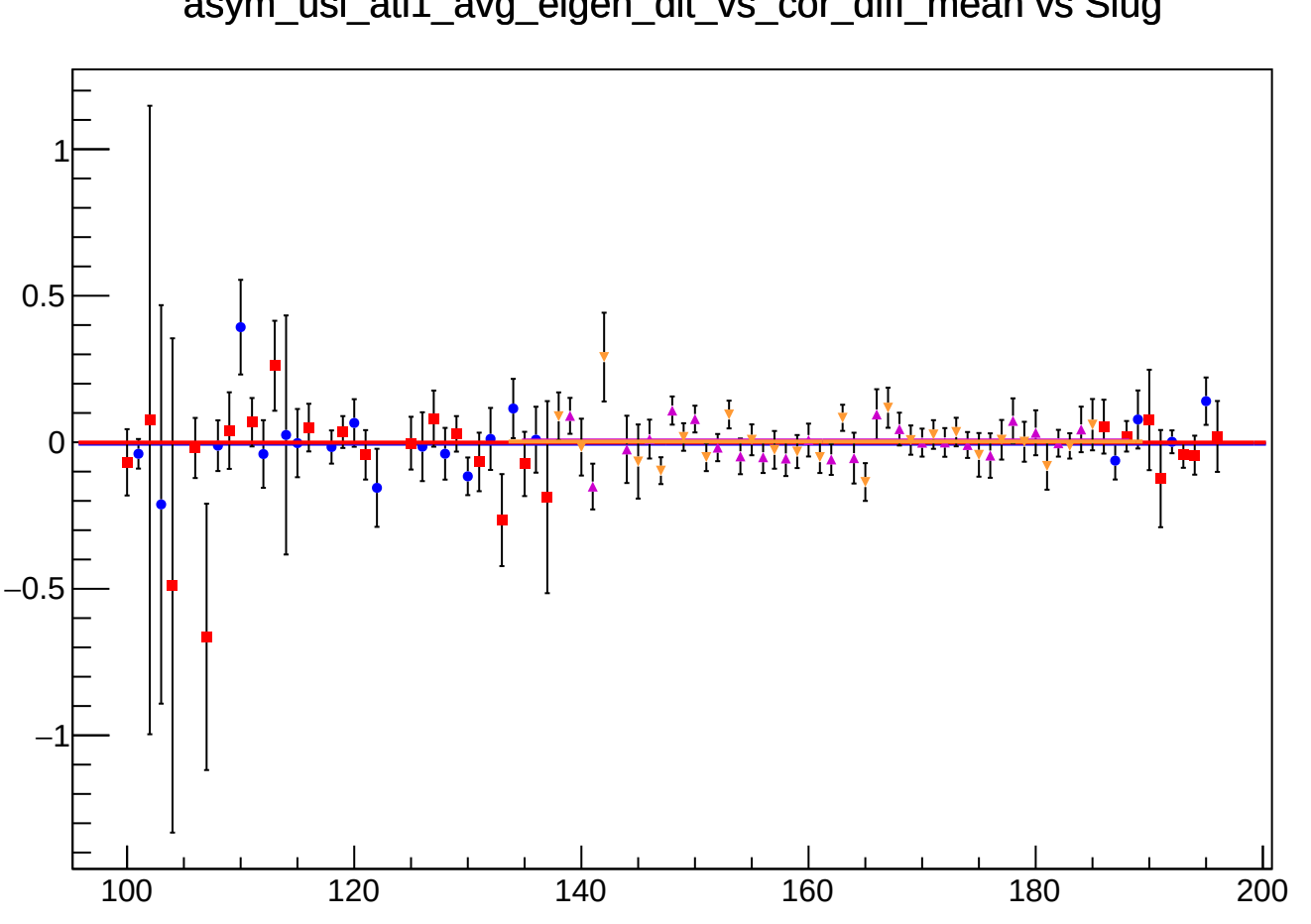
Right Out: 0.001+/-0.000 χ^2/NDF: 9480939.0/24

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22683327.9/43

All: 0.001+/-0.000 χ^2/NDF: 47089269.8/91

- sign 0.001+/-0.000 χ^2/NDF: 24387640.2/47



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

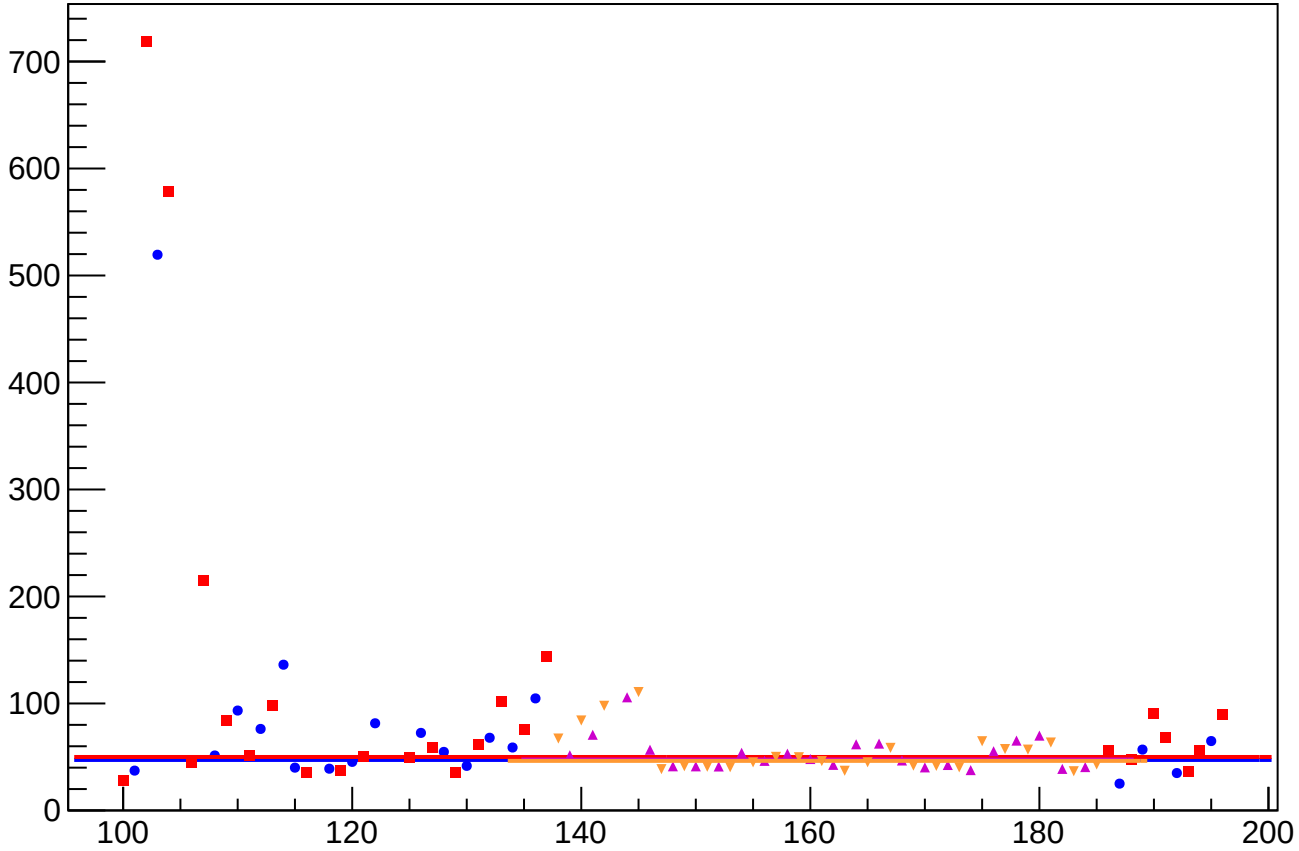
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/91

- 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: 47.210+/-0.013 χ^2/NDF: 2912190.6/19

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

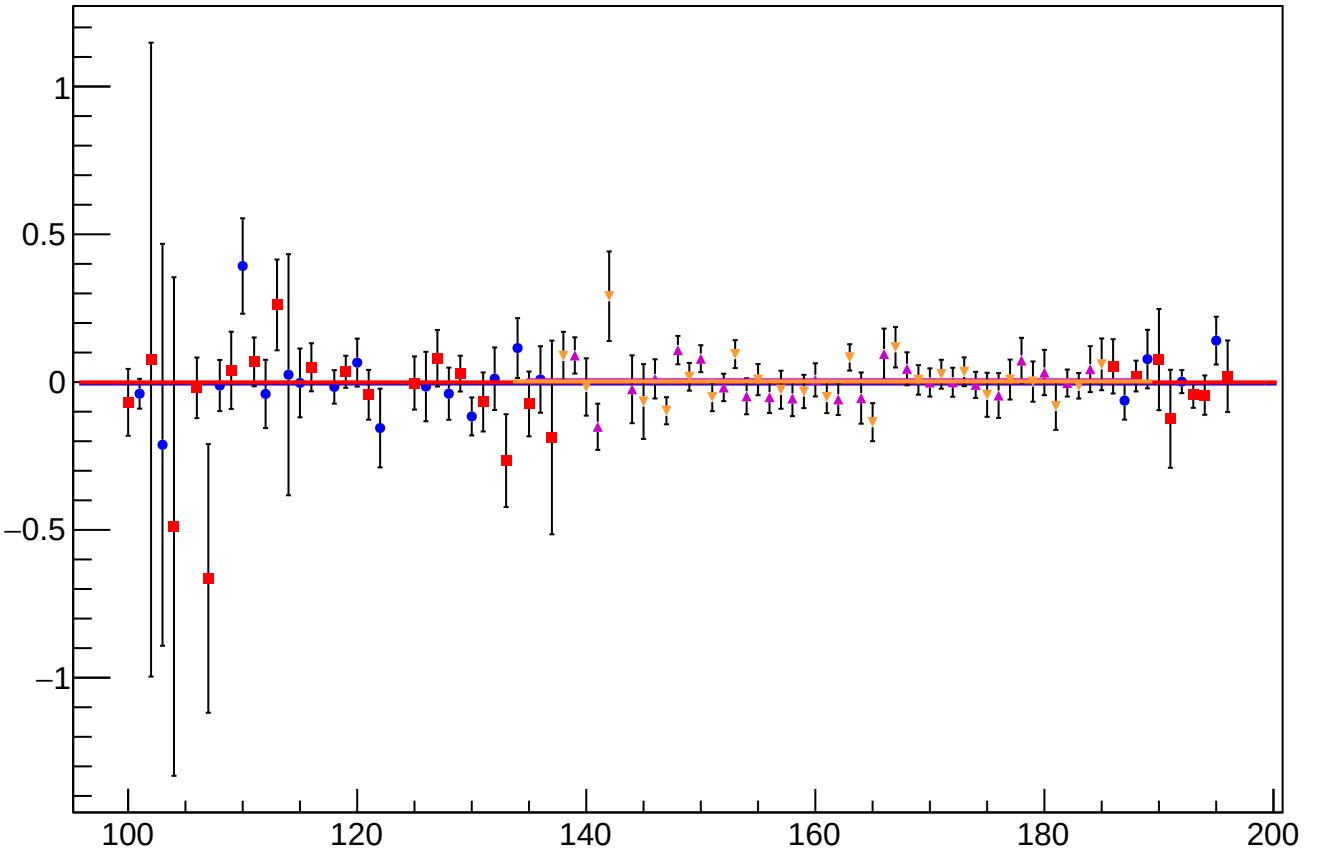
Right Out: 49.976+/-0.013 χ^2/NDF: 3634559.4/24

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

\+ sign 46.615+/-0.007 χ^2/NDF: 4883097.4/43

All: 47.468+/-0.005 χ^2/NDF: 10148722.0/91

\- sign 48.339+/-0.007 χ^2/NDF: 5235691.3/47



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

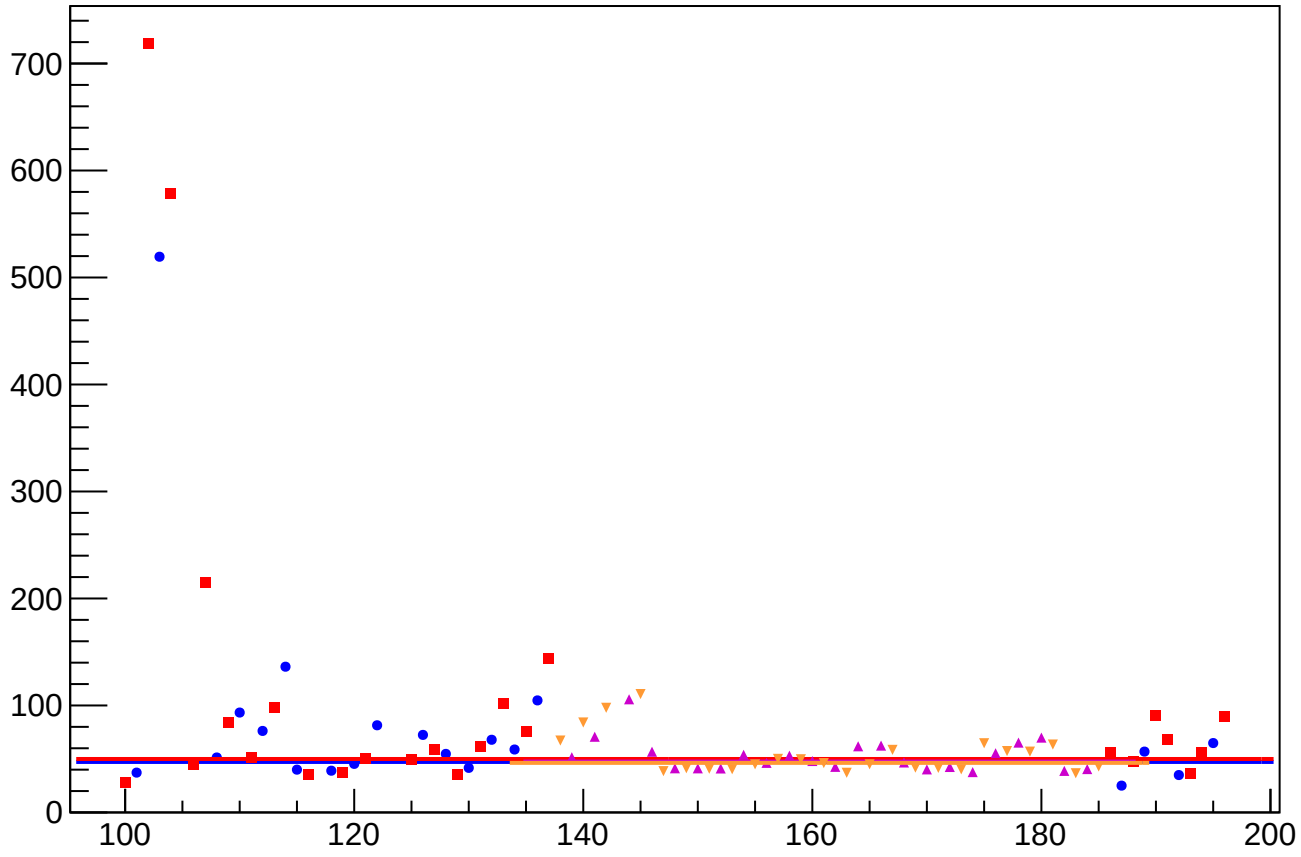
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/91

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.6/19

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

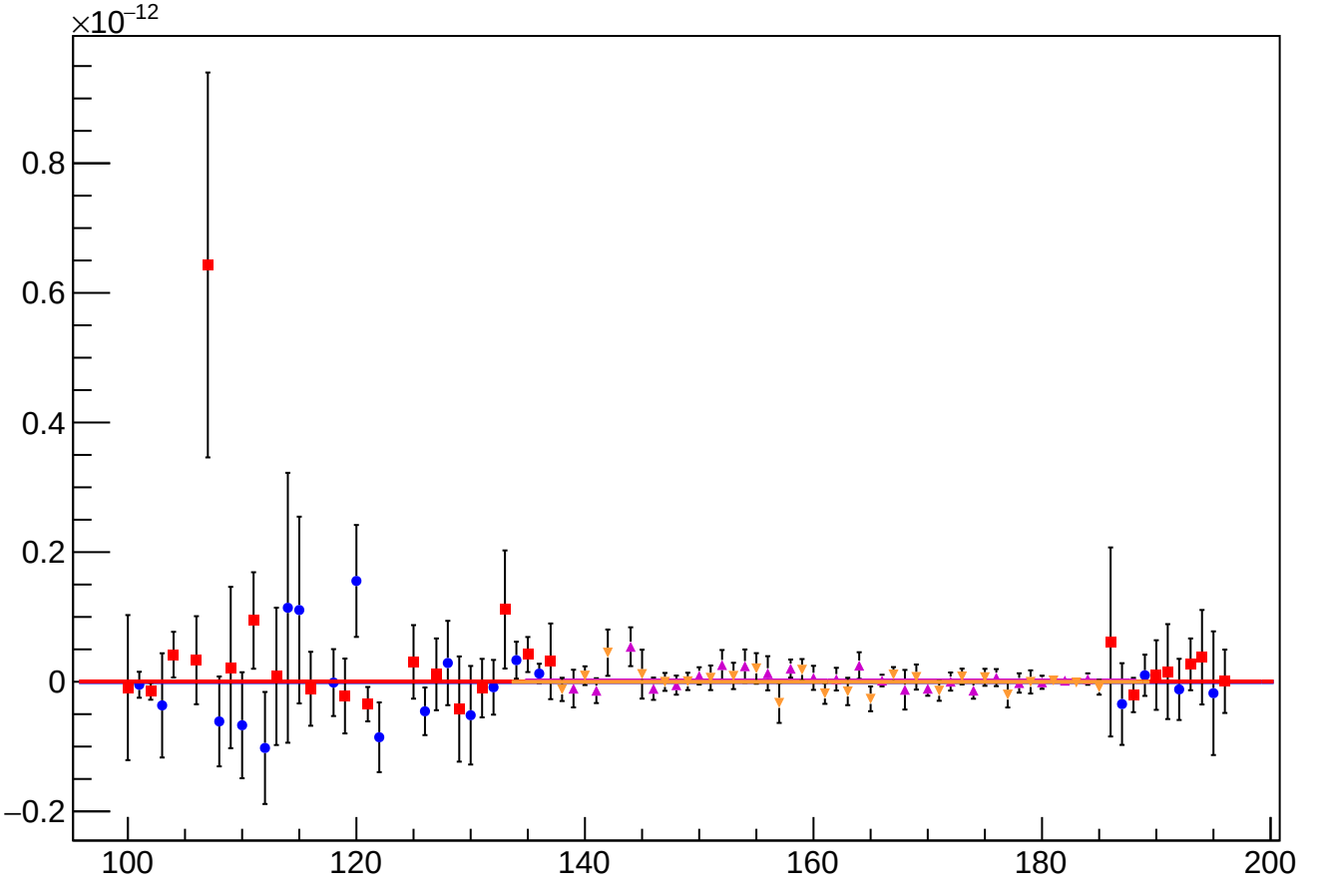
Right Out: 49.976+/-0.013 χ^2/NDF: 3634559.4/24

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.615+/-0.007 χ^2/NDF: 4883097.4/43

All: 47.468+/-0.005 χ^2/NDF: 10148722.0/91

- sign 48.339+/-0.007 χ^2/NDF: 5235691.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

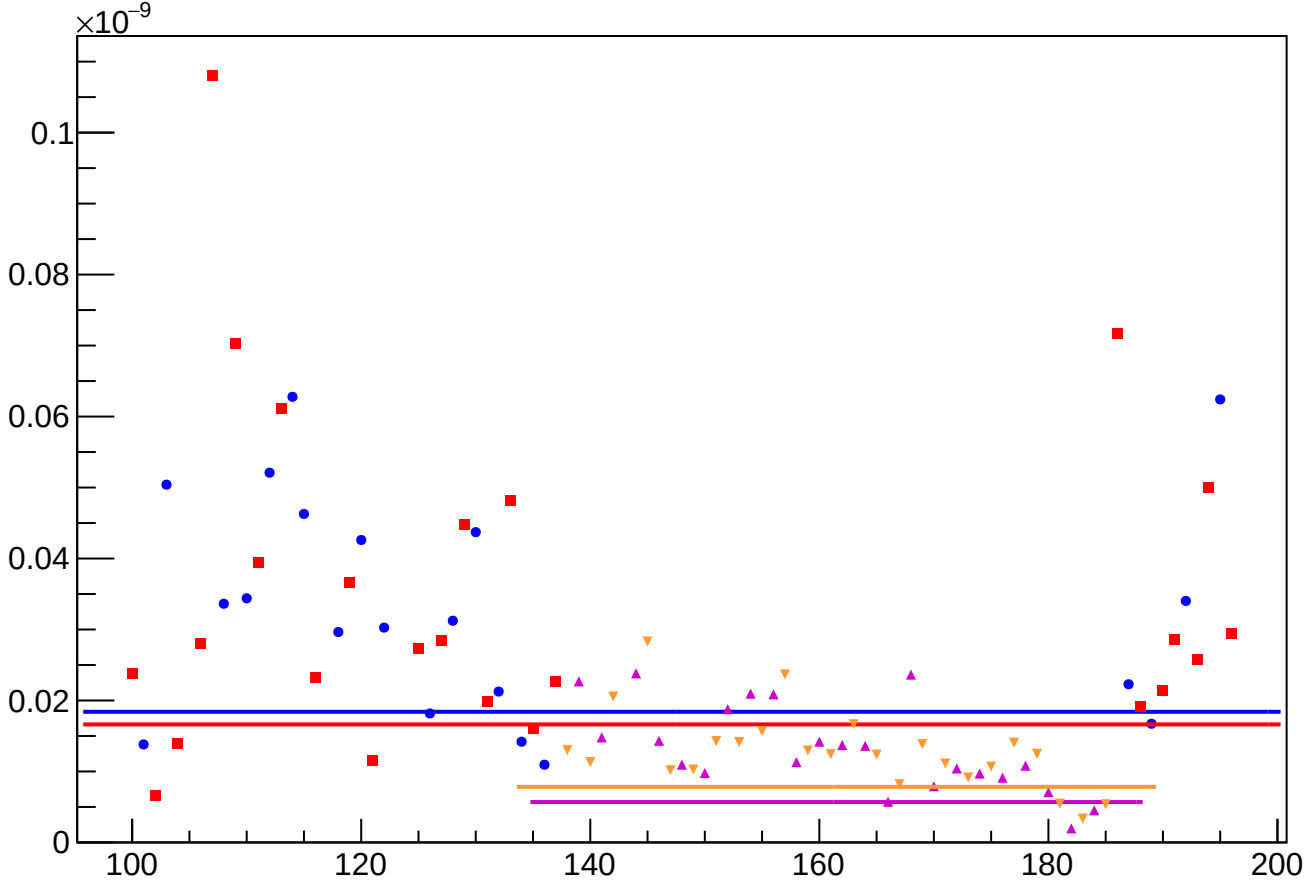
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/24

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/43

All: 0.000+/-0.000 χ^2/NDF: 59.8/91

- sign 0.000+/-0.000 χ^2/NDF: 31.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 2903902.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4409902.9/24

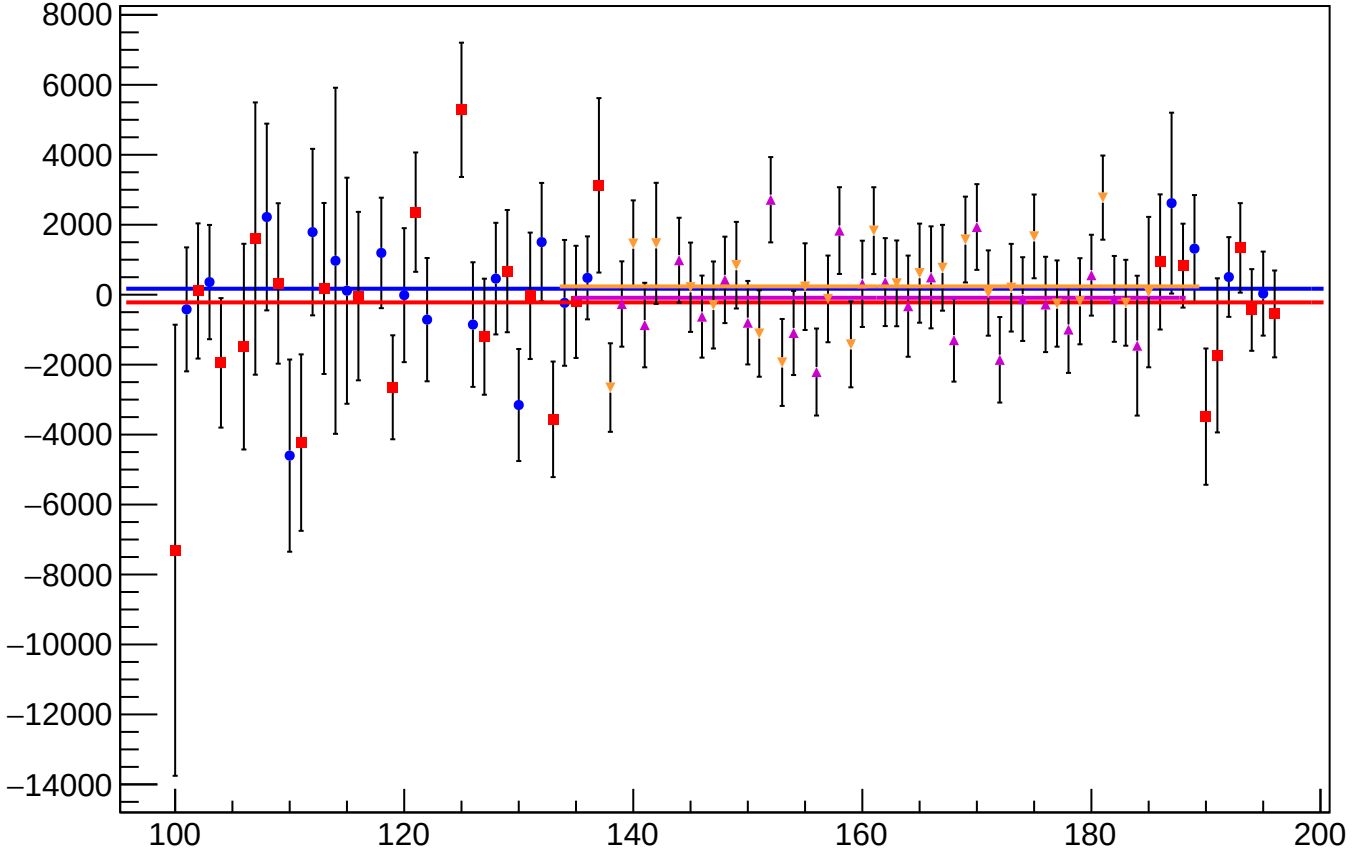
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12031626.2/43

All: 0.000+/-0.000 χ^2/NDF: 32141375.8/91

- sign 0.000+/-0.000 χ^2/NDF: 19120057.3/47

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 170.439+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -220.378+/-356.710 χ^2/NDF: 30.8/24

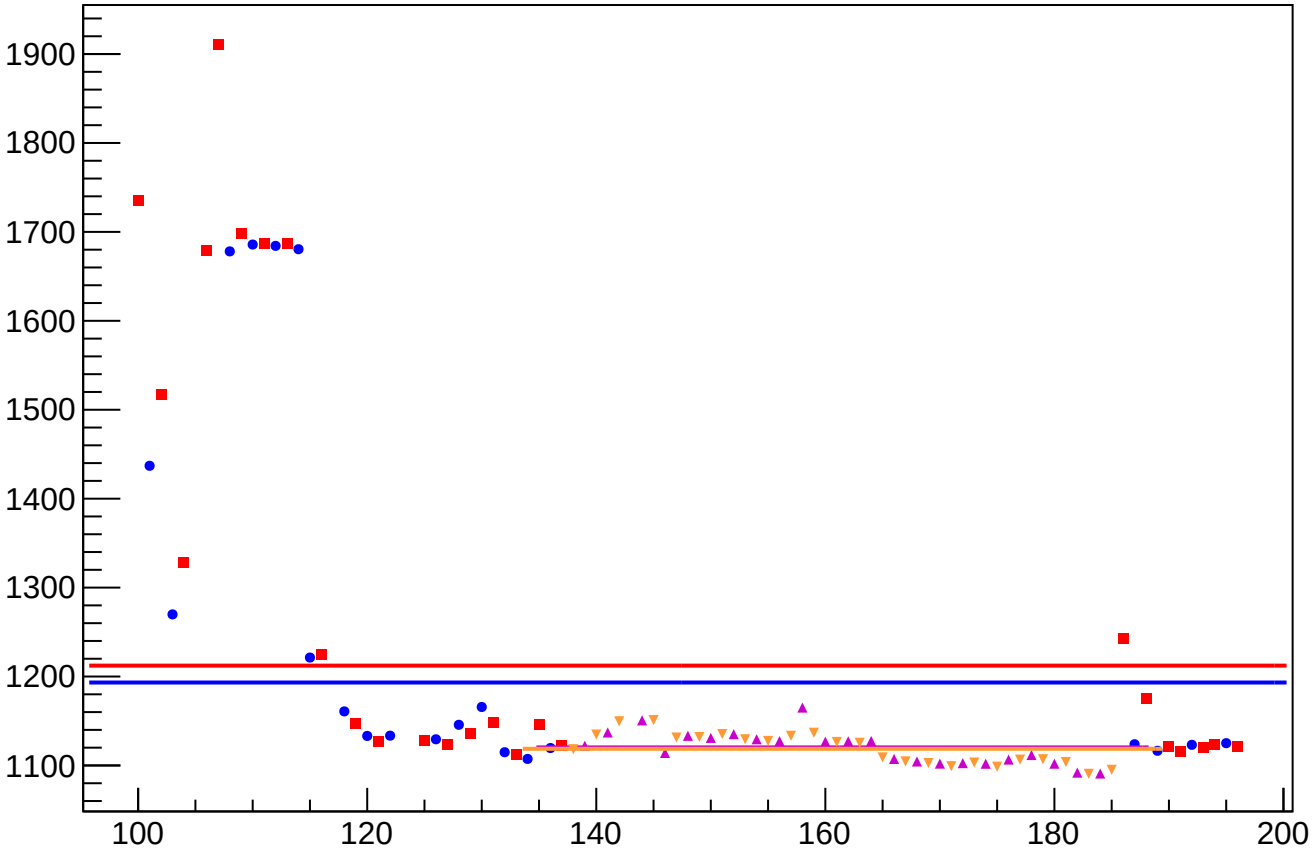
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 215.843+/-215.110 χ^2/NDF: 34.6/43

All: 37.231+/-150.615 χ^2/NDF: 87.8/91

- sign -134.545+/-210.953 χ^2/NDF: 51.8/47

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.8/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1212.263+/-0.252 χ^2/NDF: 502422.7/24

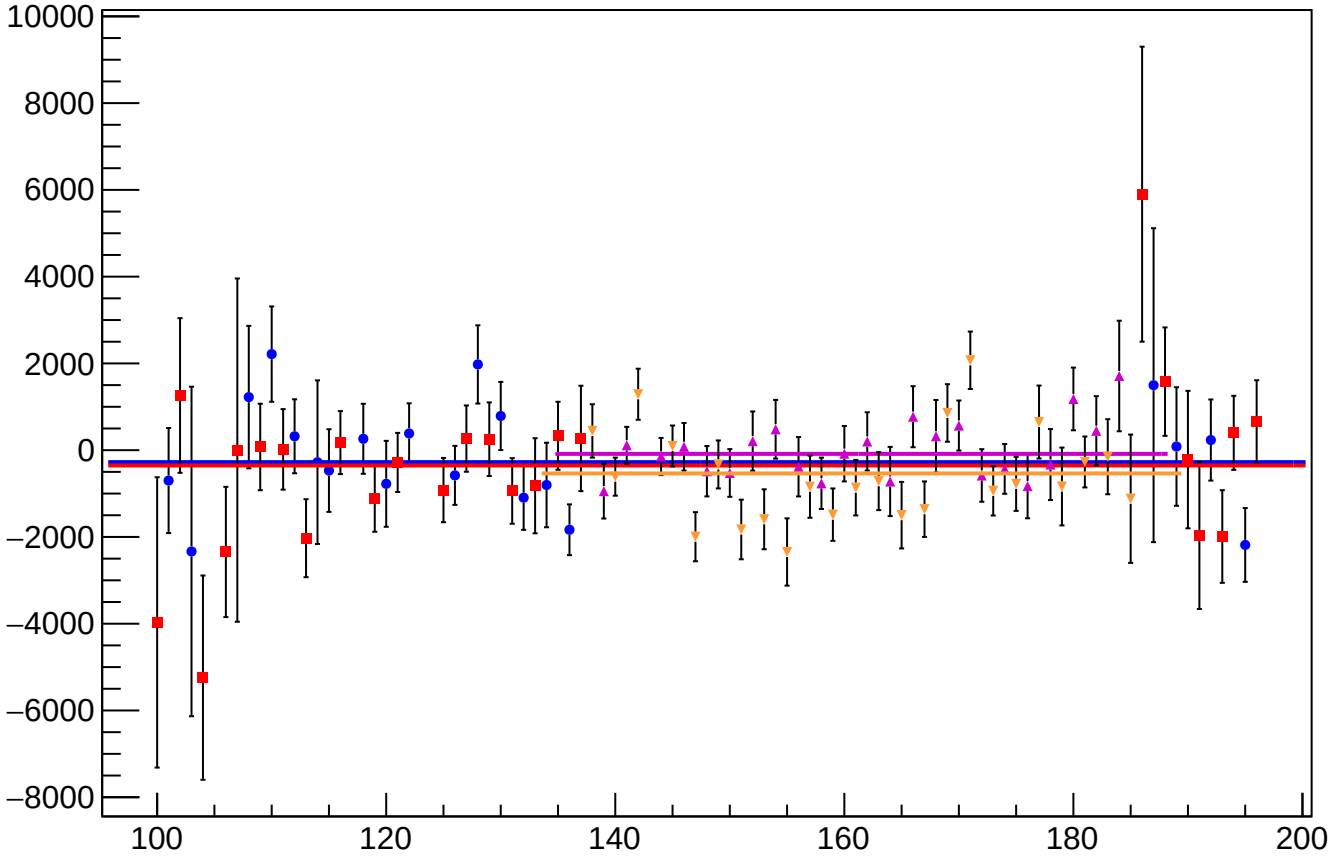
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.394+/-0.107 χ^2/NDF: 984822.6/91

- sign 1152.468+/-0.149 χ^2/NDF: 598326.9/47

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -276.243+/-207.300 χ^2/NDF: 31.0/19

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

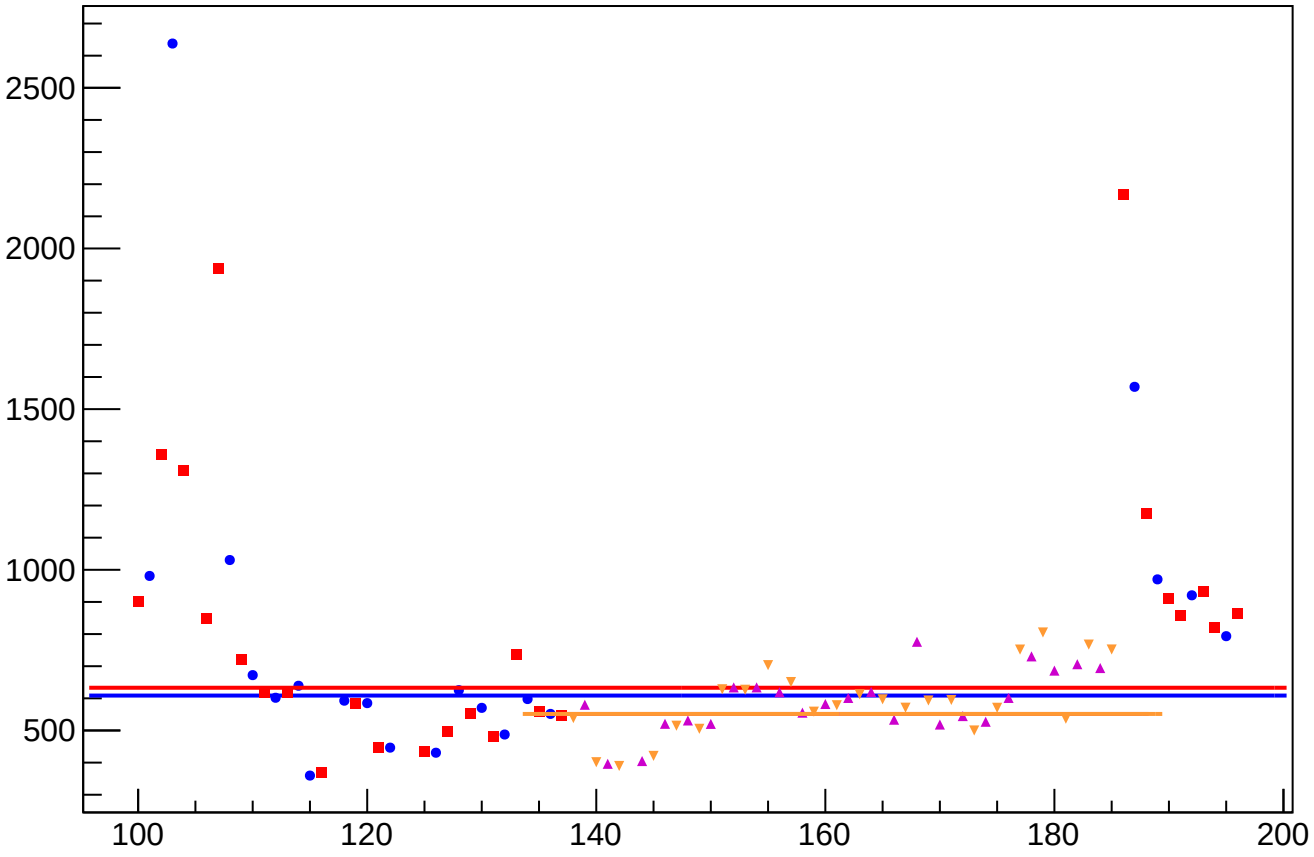
Right Out: -352.542+/-200.500 χ^2/NDF: 27.9/24

Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -462.085+/-110.527 χ^2/NDF: 93.7/43

All: -312.451+/-77.841 χ^2/NDF: 143.6/91

\- sign -165.191+/-109.647 χ^2/NDF: 46.3/47



Right In: 608.637+/-0.147 χ^2/NDF: 1959498.3/19

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 632.968+/-0.142 χ^2/NDF: 2810466.6/24

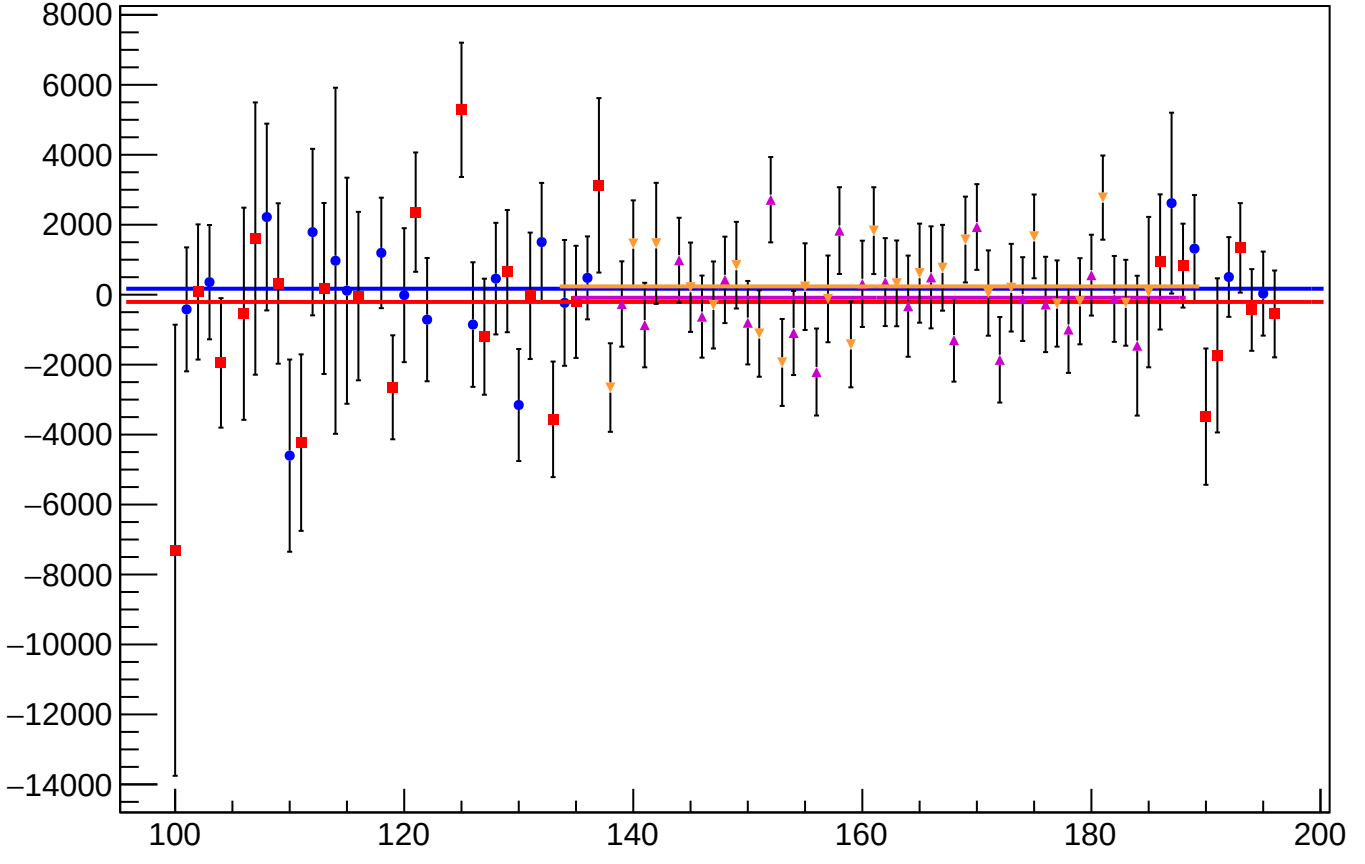
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 567.700+/-0.078 χ^2/NDF: 3295088.5/43

All: 571.757+/-0.055 χ^2/NDF: 7405048.2/91

- sign 575.749+/-0.078 χ^2/NDF: 4104612.8/47

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 170.276+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -207.300+/-356.869 χ^2/NDF: 30.6/24

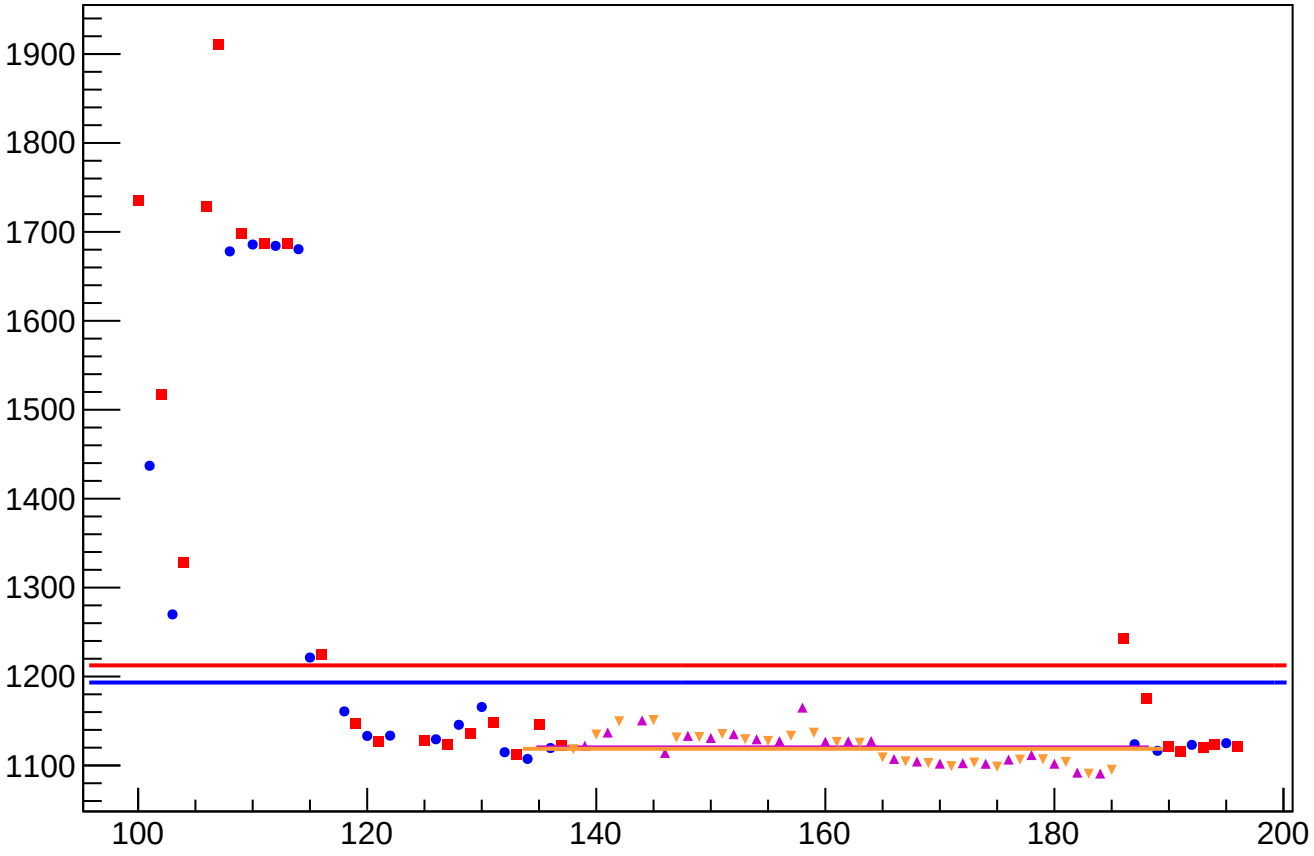
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 215.820+/-215.110 χ^2/NDF: 34.6/43

All: 39.594+/-150.627 χ^2/NDF: 87.5/91

- sign -129.940+/-210.986 χ^2/NDF: 51.6/47

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.9/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1212.543+/-0.252 χ^2/NDF: 510082.9/24

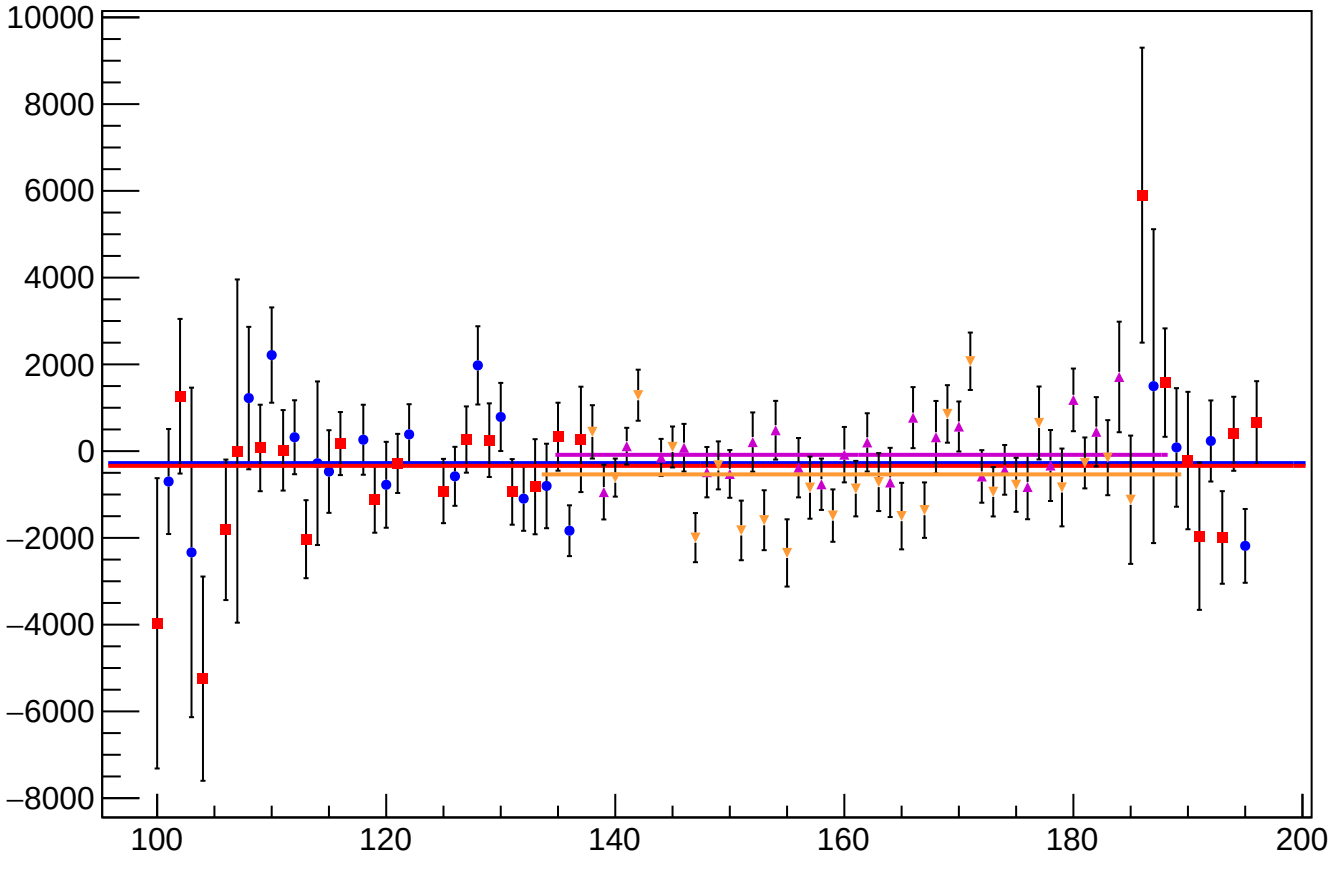
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.434+/-0.107 χ^2/NDF: 992996.1/91

- sign 1152.548+/-0.149 χ^2/NDF: 606464.4/47

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -276.233+/-207.299 χ^2/NDF: 31.0/19

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

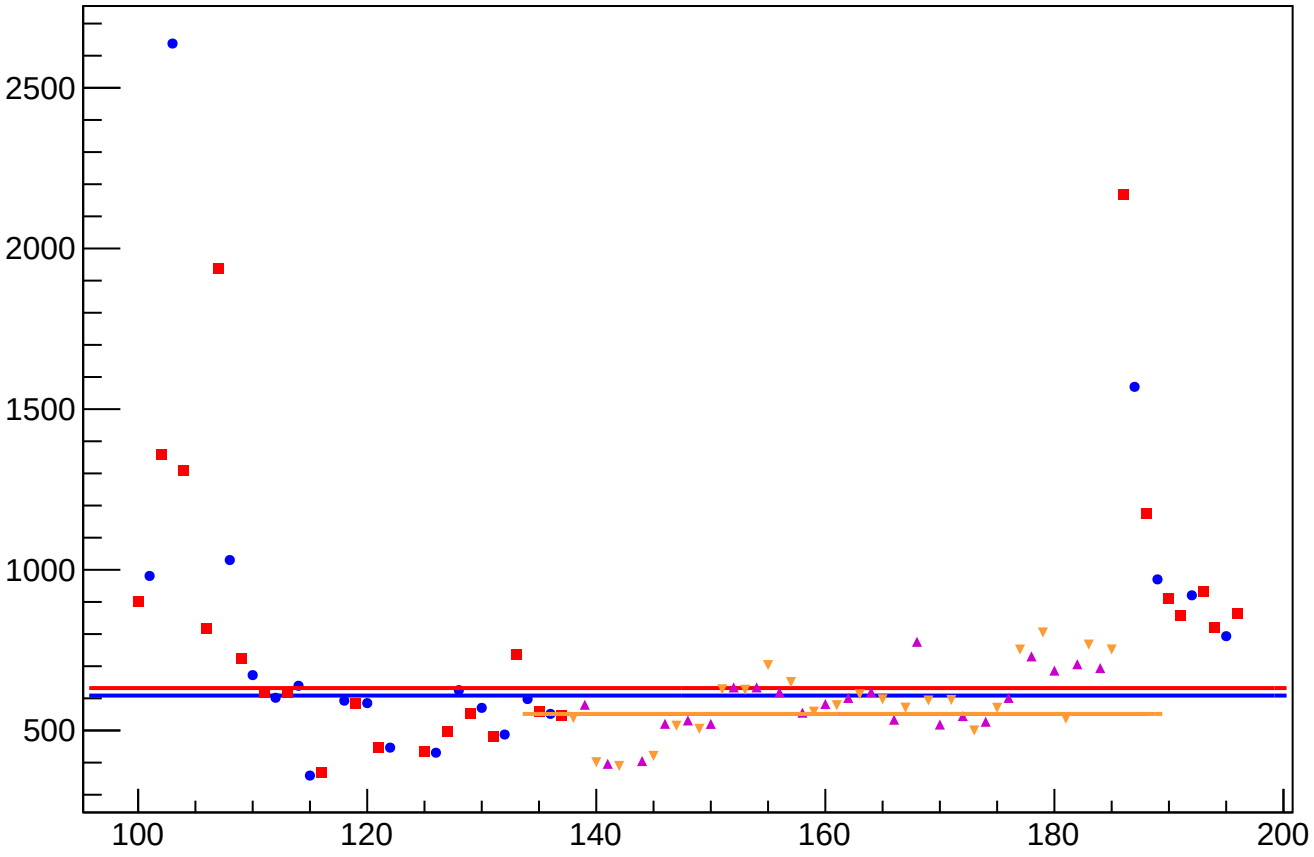
Right Out: -339.404+/-200.749 χ^2/NDF: 27.0/24

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -462.104+/-110.527 χ^2/NDF: 93.7/43

All: -310.465+/-77.856 χ^2/NDF: 142.7/91

- sign -161.121+/-109.688 χ^2/NDF: 45.2/47



Right In: 608.632+/-0.147 χ^2/NDF: 1959489.9/19

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 631.950+/-0.142 χ^2/NDF: 2795544.7/24

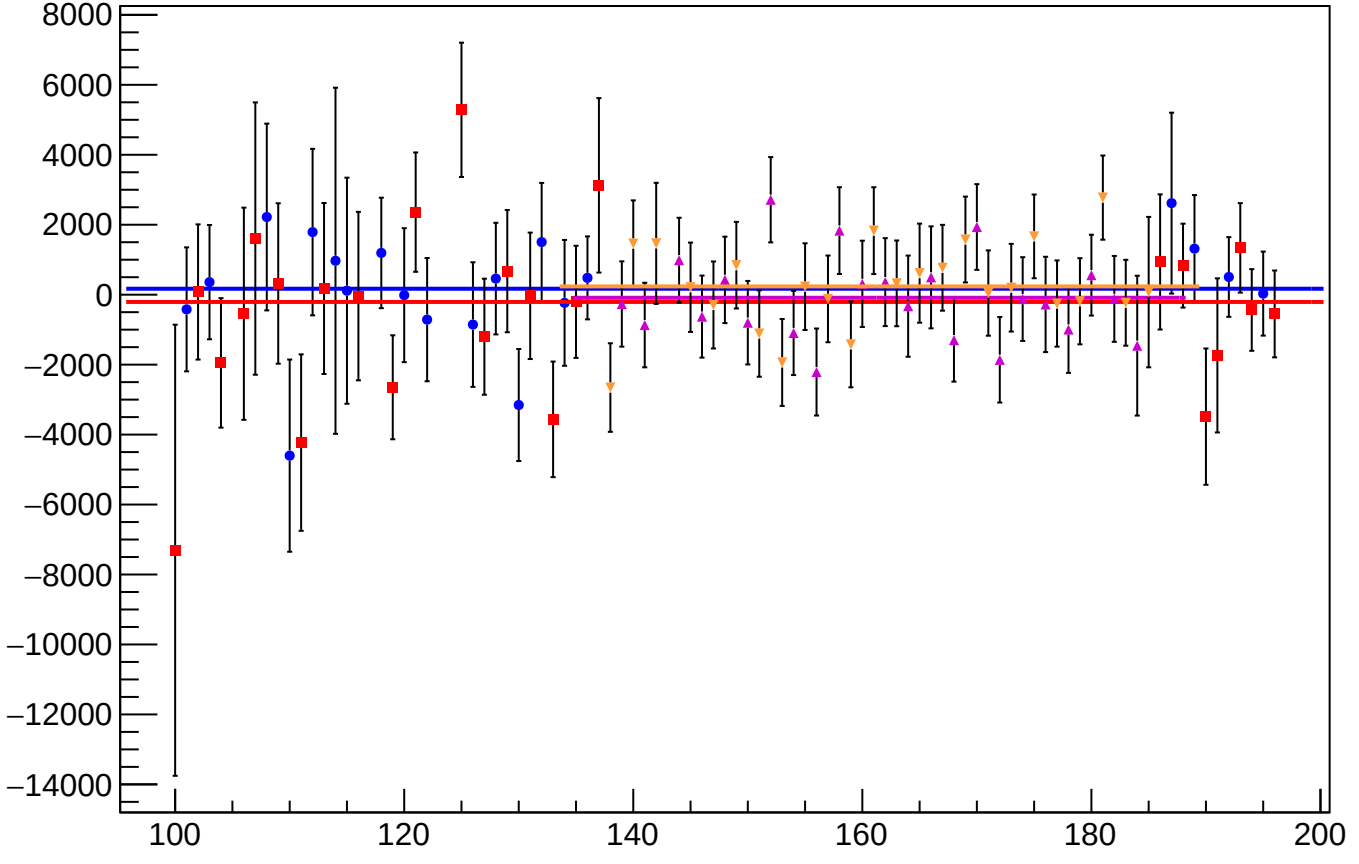
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 567.698+/-0.078 χ^2/NDF: 3295081.7/43

All: 571.580+/-0.055 χ^2/NDF: 7383480.7/91

- sign 575.402+/-0.078 χ^2/NDF: 4083503.4/47

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 170.276+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -207.300+/-356.869 χ^2/NDF: 30.6/24

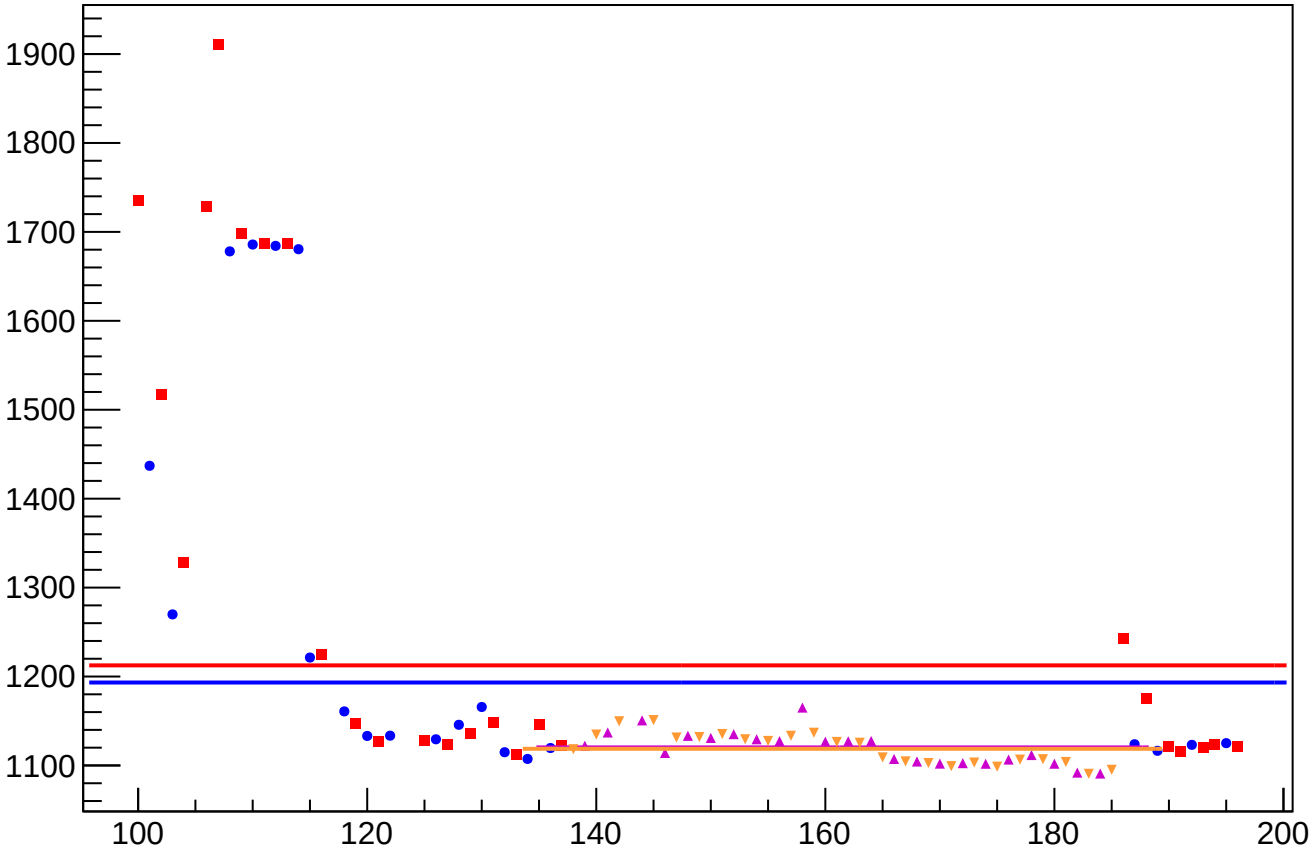
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 215.820+/-215.110 χ^2/NDF: 34.6/43

All: 39.594+/-150.627 χ^2/NDF: 87.5/91

- sign -129.940+/-210.986 χ^2/NDF: 51.6/47

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.9/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

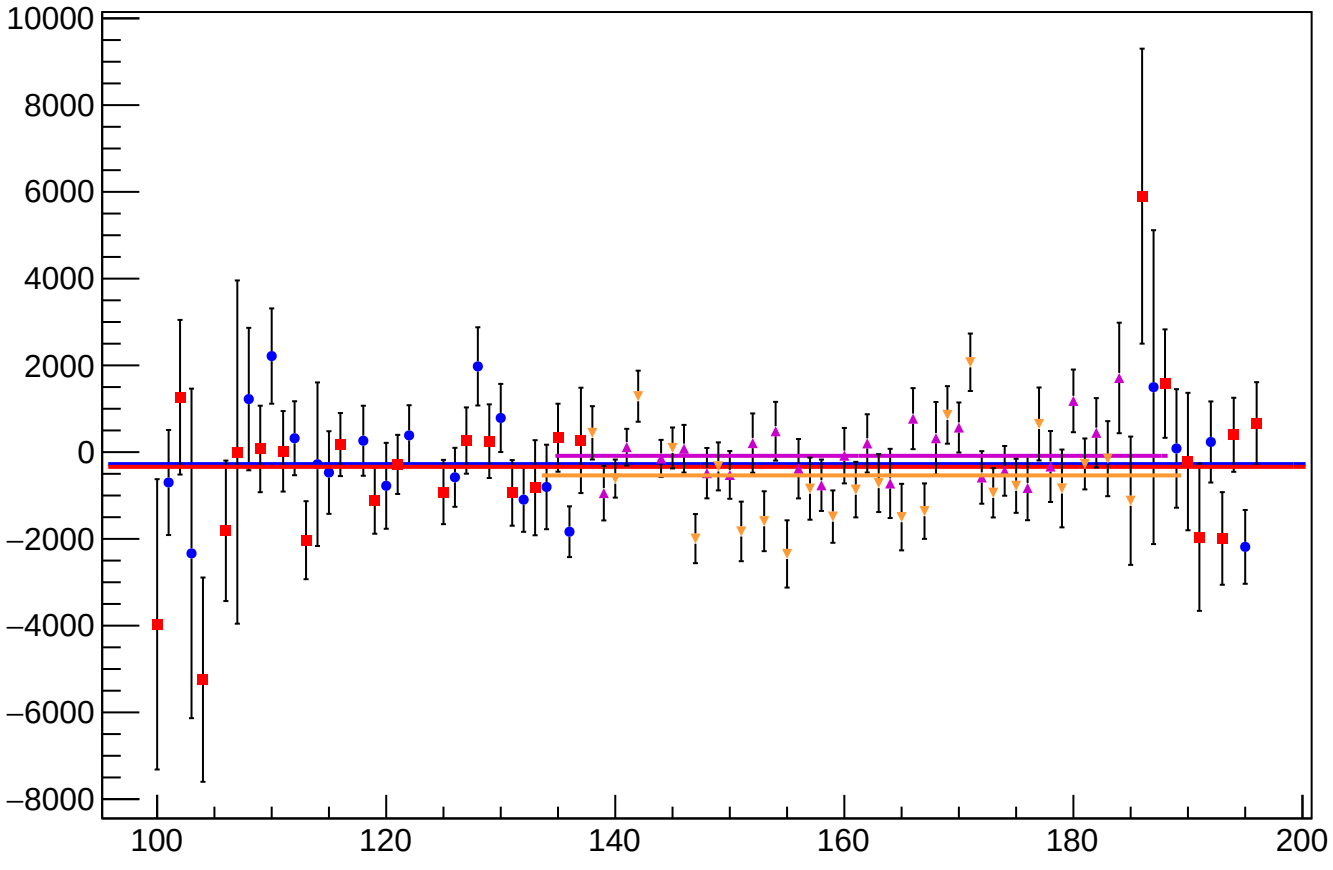
Right Out: 1212.543+/-0.252 χ^2/NDF: 510082.9/24

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.434+/-0.107 χ^2/NDF: 992996.1/91

- sign 1152.548+/-0.149 χ^2/NDF: 606464.4/47



Right In: -276.233+/-207.299 χ^2/NDF: 31.0/19

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -339.404+/-200.749 χ^2/NDF: 27.0/24

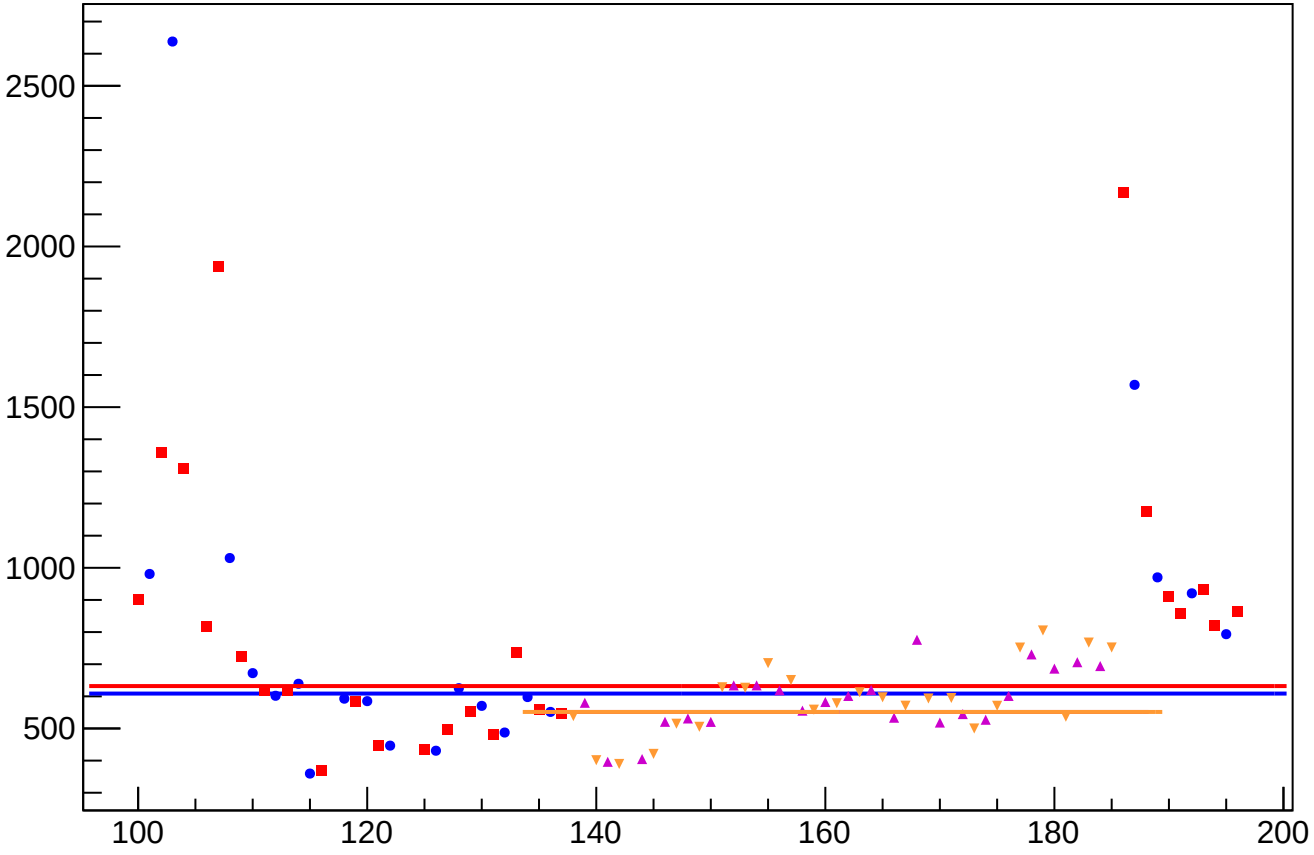
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -462.104+/-110.527 χ^2/NDF: 93.7/43

All: -310.465+/-77.856 χ^2/NDF: 142.7/91

\- sign -161.121+/-109.688 χ^2/NDF: 45.2/47

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 608.632+/-0.147 χ^2/NDF: 1959489.9/19

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 631.950+/-0.142 χ^2/NDF: 2795544.7/24

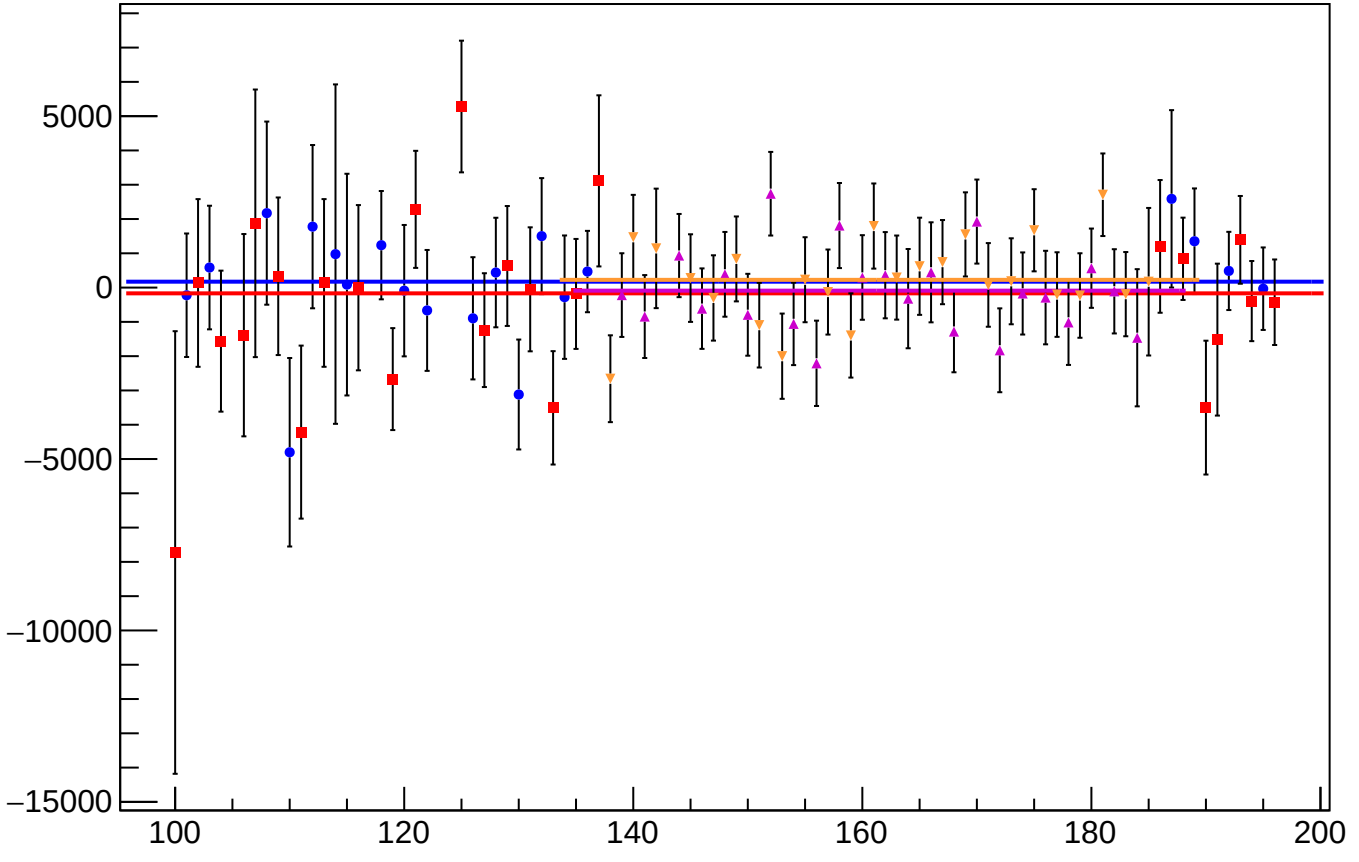
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 567.698+/-0.078 χ^2/NDF: 3295081.7/43

All: 571.580+/-0.055 χ^2/NDF: 7383480.7/91

- sign 575.402+/-0.078 χ^2/NDF: 4083503.4/47

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 172.432+/-386.591 χ^2/NDF: 12.0/19

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -167.930+/-360.734 χ^2/NDF: 30.4/24

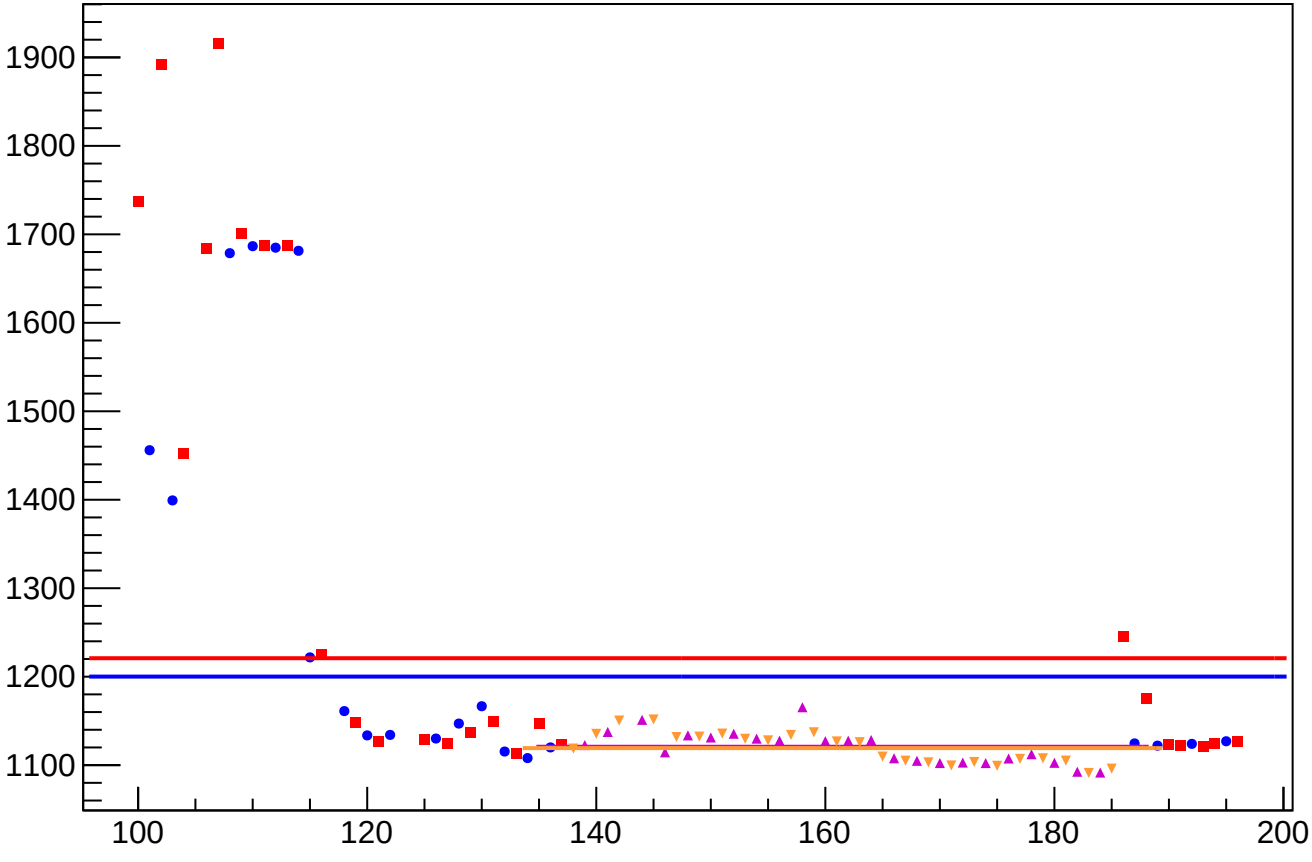
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 209.099+/-215.648 χ^2/NDF: 34.2/43

All: 43.514+/-151.121 χ^2/NDF: 86.4/91

- sign -116.270+/-211.837 χ^2/NDF: 51.0/47

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1200.103+/-0.273 χ^2/NDF: 348652.7/19

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1220.869+/-0.255 χ^2/NDF: 625152.7/24

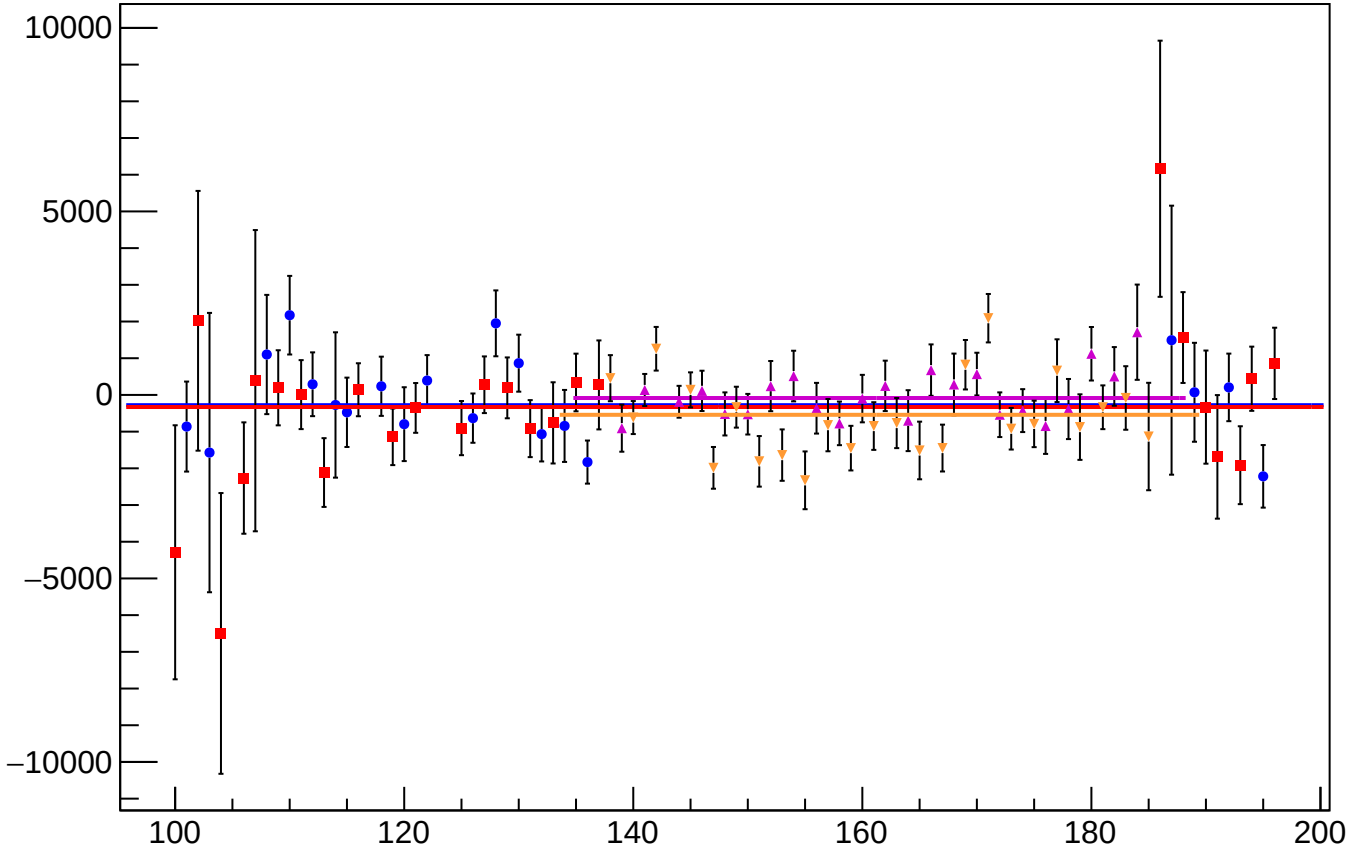
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.414+/-0.152 χ^2/NDF: 417045.3/43

All: 1149.959+/-0.107 χ^2/NDF: 1155053.8/91

- sign 1155.309+/-0.150 χ^2/NDF: 735410.5/47

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -279.406+/-207.025 χ^2/NDF: 31.2/19

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -329.341+/-203.117 χ^2/NDF: 25.8/24

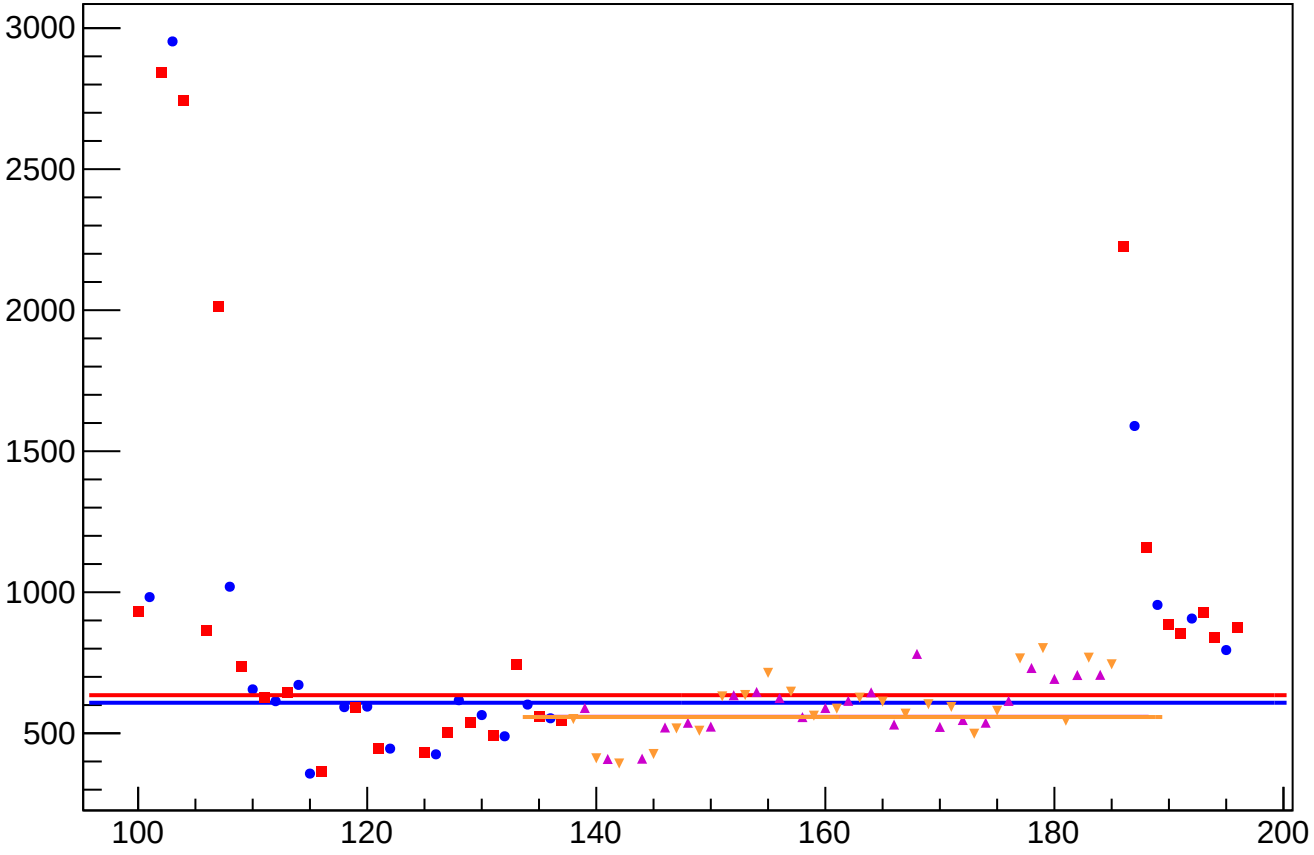
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -465.802+/-111.308 χ^2/NDF: 93.2/43

All: -311.159+/-78.599 χ^2/NDF: 140.3/91

- sign -157.359+/-111.004 χ^2/NDF: 43.3/47

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 608.206+/-0.146 χ^2/NDF: 2138273.5/19

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 635.032+/-0.144 χ^2/NDF: 3728658.9/24

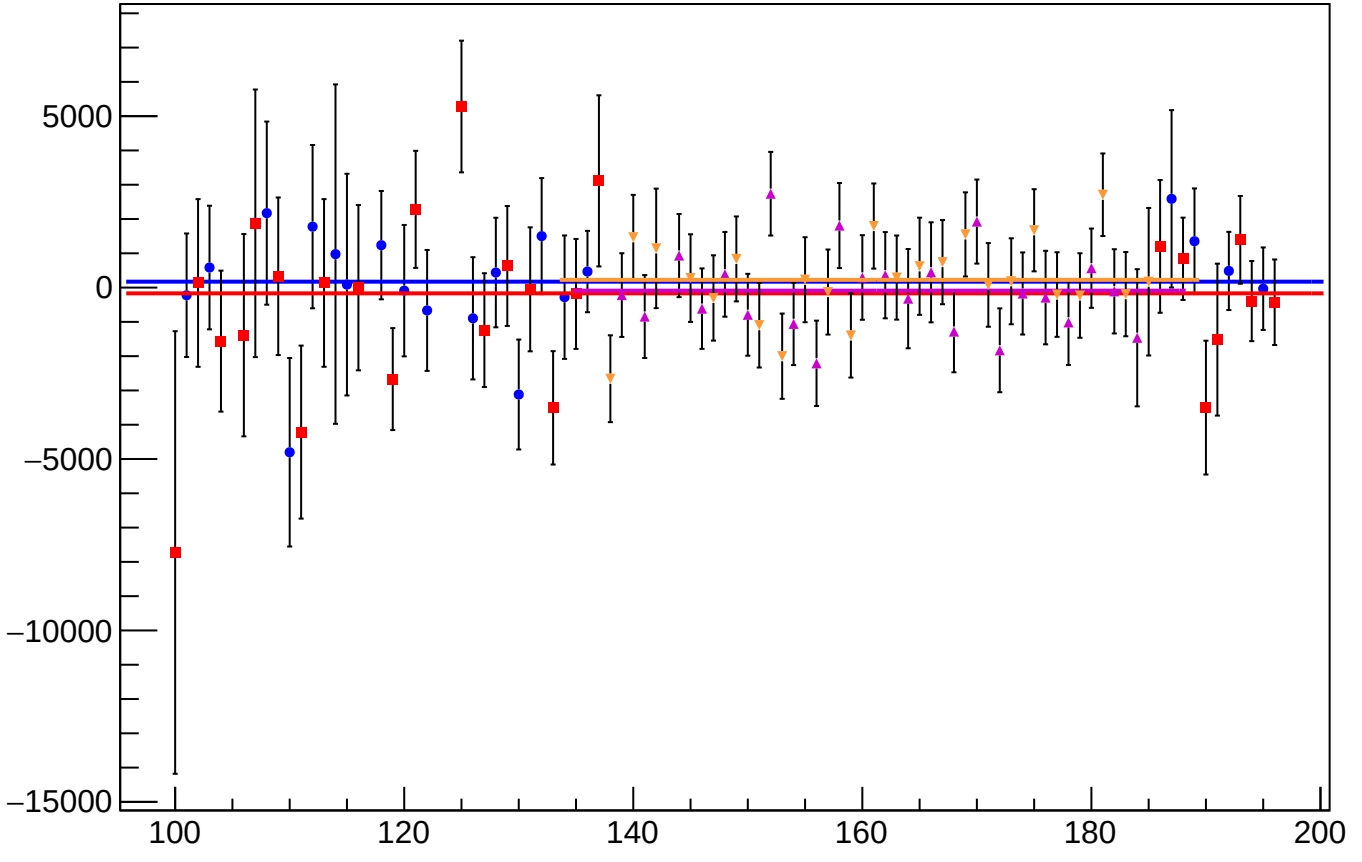
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 572.223+/-0.079 χ^2/NDF: 3416531.8/43

All: 576.765+/-0.056 χ^2/NDF: 8379342.8/91

- sign 581.282+/-0.078 χ^2/NDF: 4956168.4/47

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 172.432+/-386.591 χ^2/NDF: 12.0/19

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -167.930+/-360.734 χ^2/NDF: 30.4/24

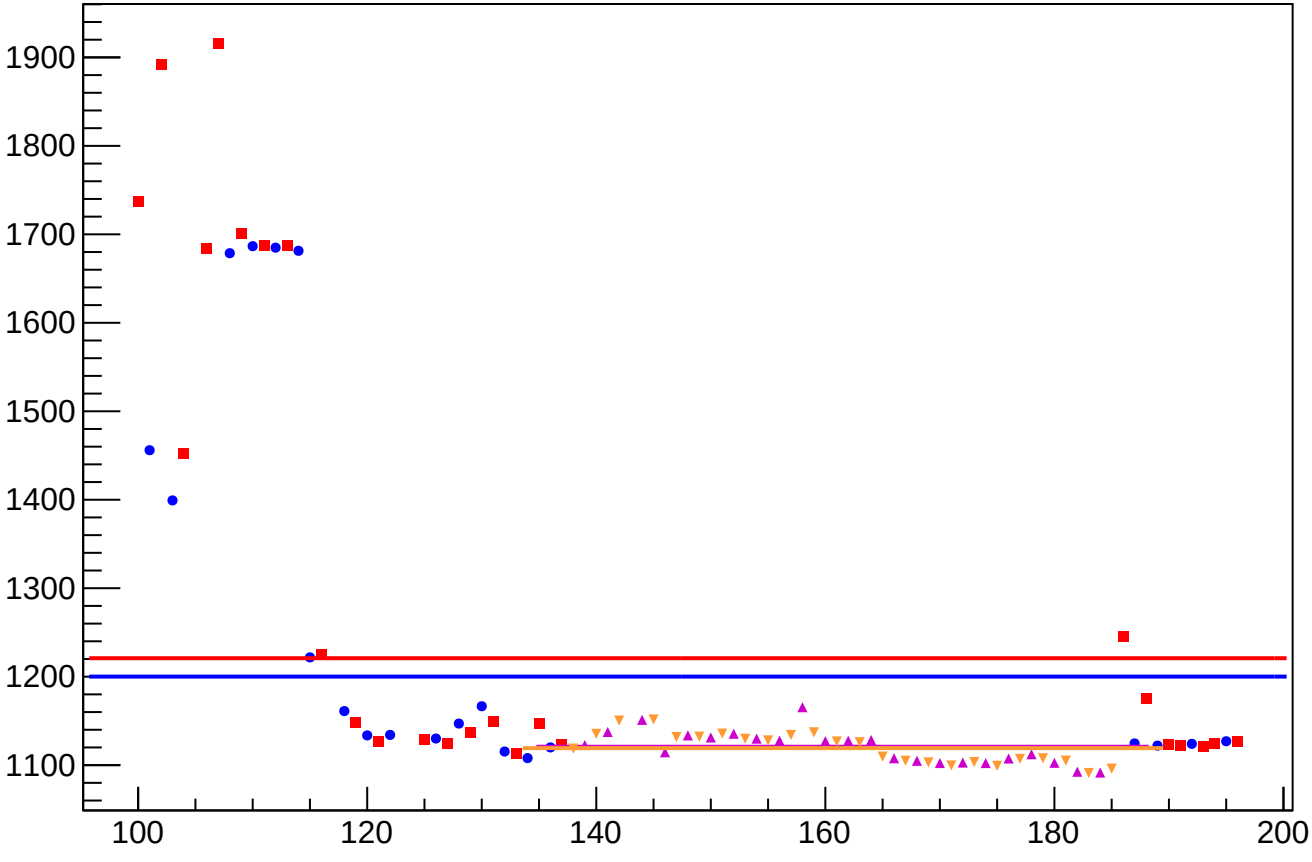
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 209.098+/-215.648 χ^2/NDF: 34.2/43

All: 43.513+/-151.121 χ^2/NDF: 86.4/91

- sign -116.271+/-211.837 χ^2/NDF: 51.0/47

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1200.103+/-0.273 χ^2/NDF: 348652.2/19

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

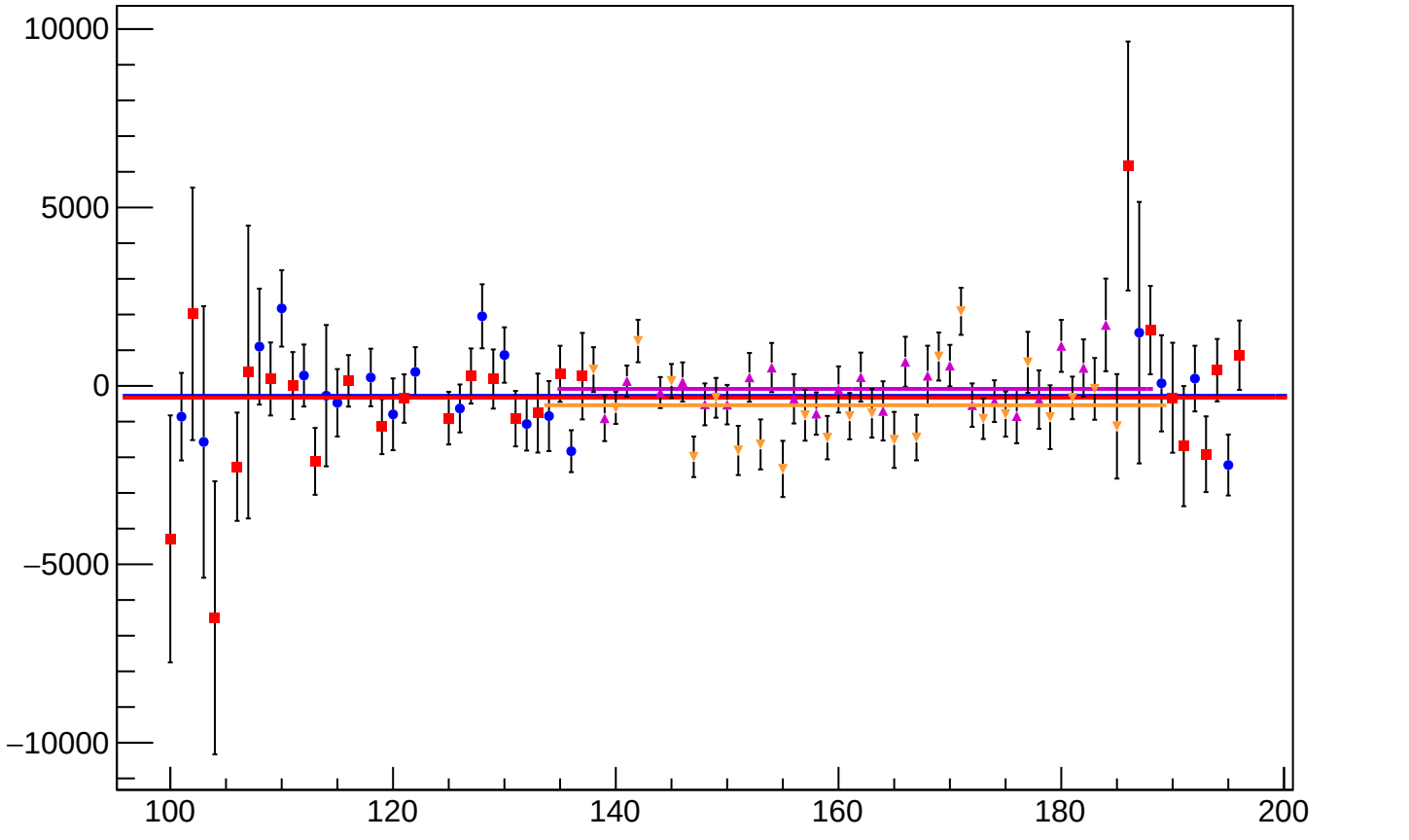
Right Out: 1220.869+/-0.255 χ^2/NDF: 625152.0/24

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.414+/-0.152 χ^2/NDF: 417044.7/43

All: 1149.959+/-0.107 χ^2/NDF: 1155052.5/91

- sign 1155.309+/-0.150 χ^2/NDF: 735409.8/47



Right In: -279.406+/-207.025 χ^2/NDF: 31.2/19

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -329.341+/-203.117 χ^2/NDF: 25.8/24

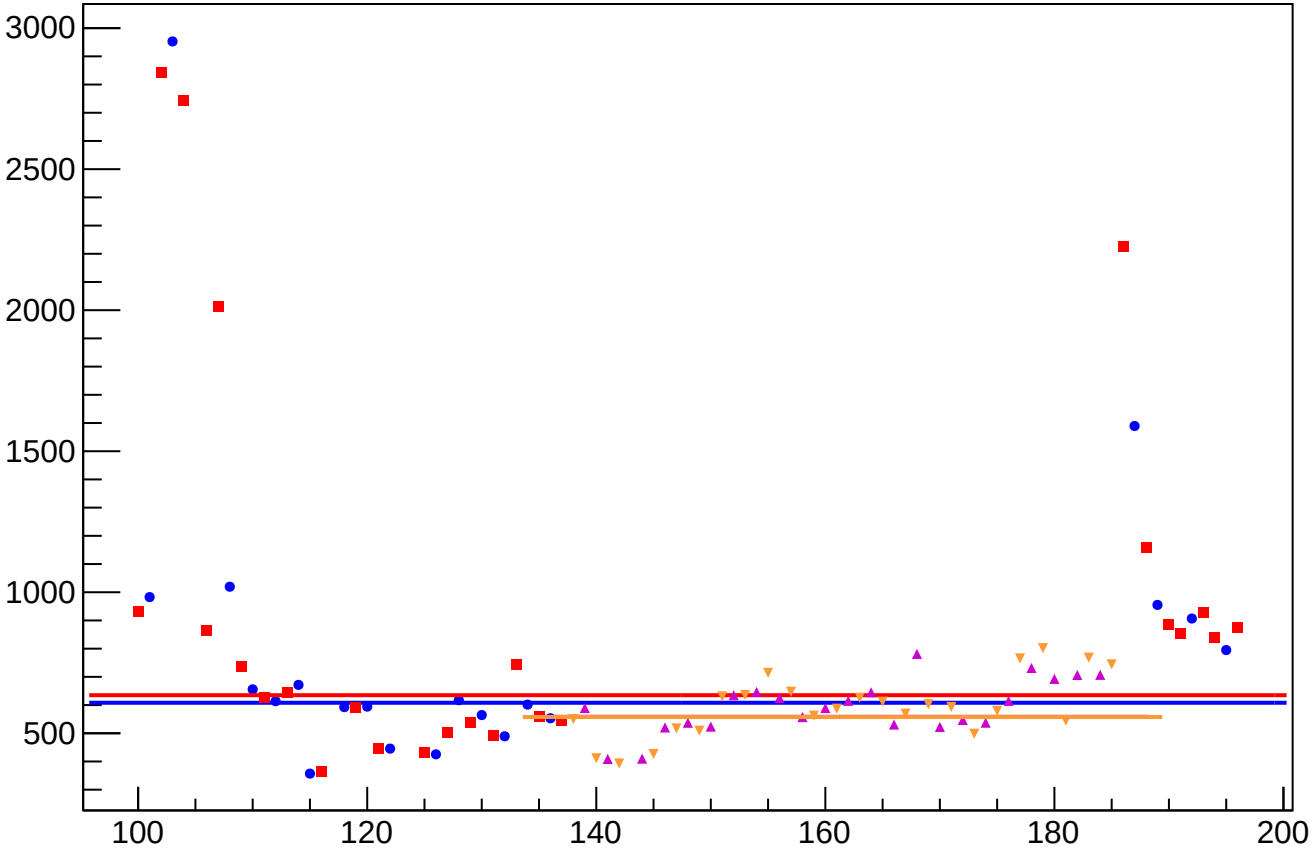
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -465.801+/-111.308 χ^2/NDF: 93.2/43

All: -311.158+/-78.599 χ^2/NDF: 140.3/91

- sign -157.359+/-111.004 χ^2/NDF: 43.3/47

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 608.206+/-0.146 χ^2/NDF: 2138269.7/19

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 635.032+/-0.144 χ^2/NDF: 3728659.1/24

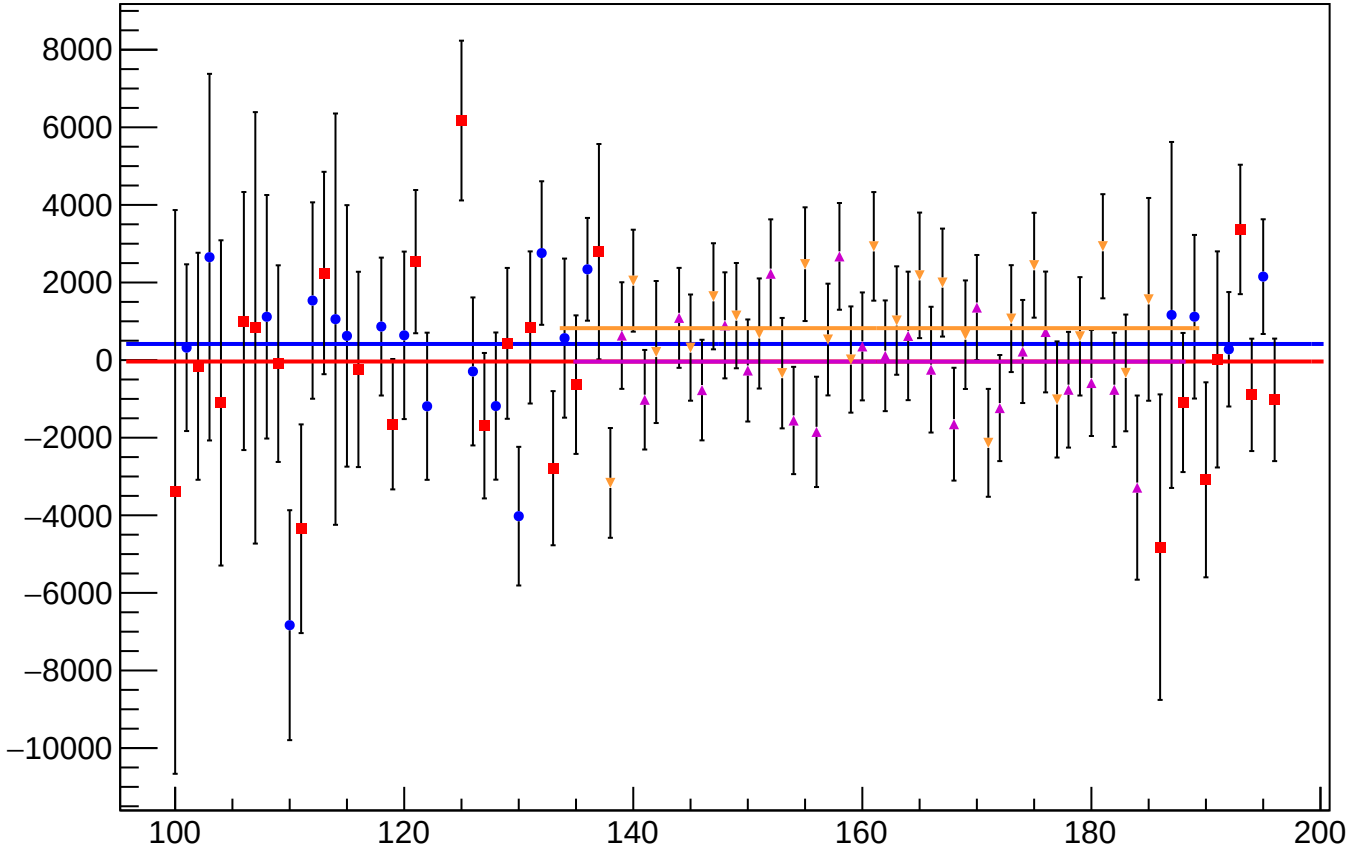
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 572.222+/-0.079 χ^2/NDF: 3416550.9/43

All: 576.764+/-0.056 χ^2/NDF: 8379379.2/91

- sign 581.282+/-0.078 χ^2/NDF: 4956185.6/47

asym_usl_atl1_dd_mean vs Slug



Right In: 415.773+/-460.077 χ^2/NDF: 19.5/19

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -36.336+/-438.357 χ^2/NDF: 28.0/24

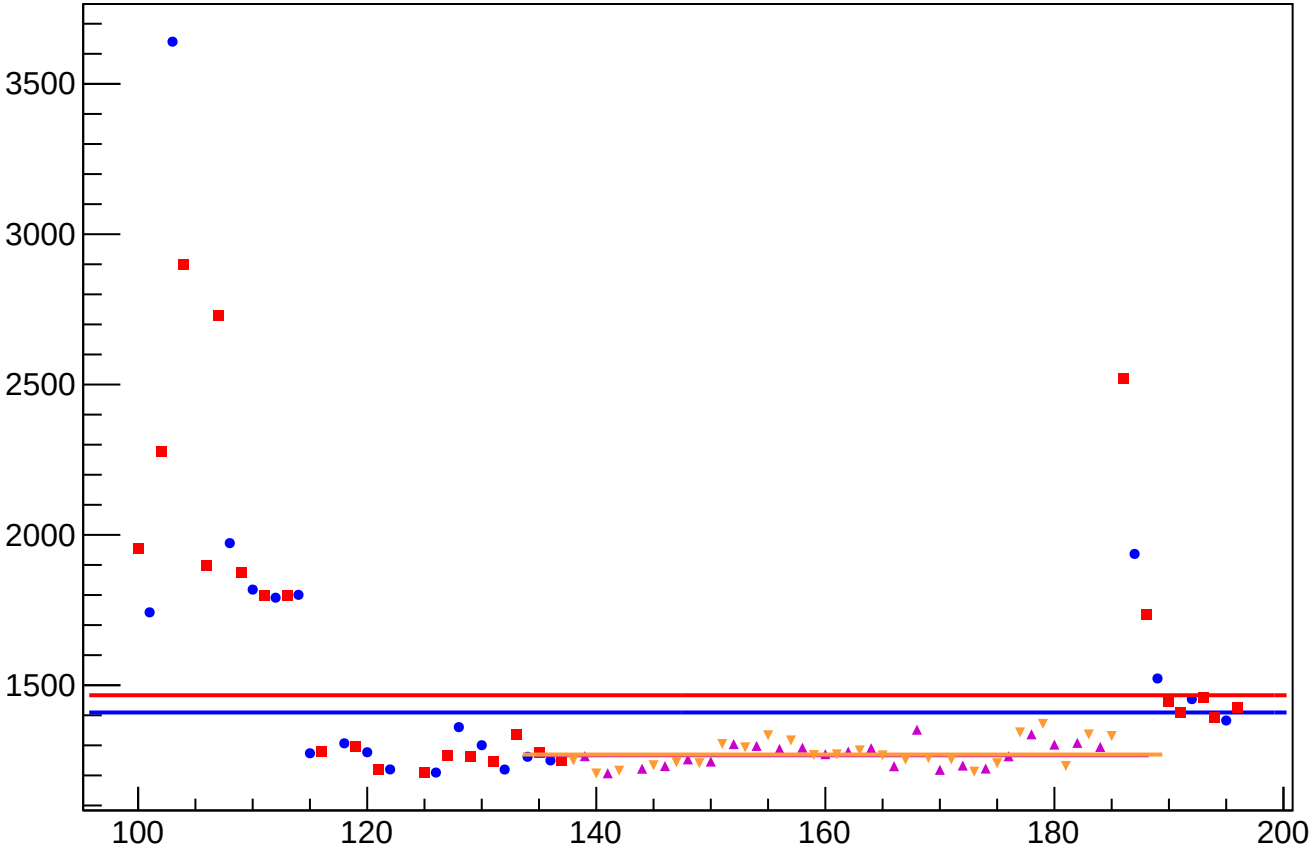
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 704.675+/-248.237 χ^2/NDF: 46.3/43

All: 328.614+/-174.487 χ^2/NDF: 96.7/91

- sign -38.644+/-245.314 χ^2/NDF: 45.9/47

asym_usl_atl1_dd_rms vs Slug



Right In: 1409.331+/-0.325 χ^2/NDF: 817477.5/19

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

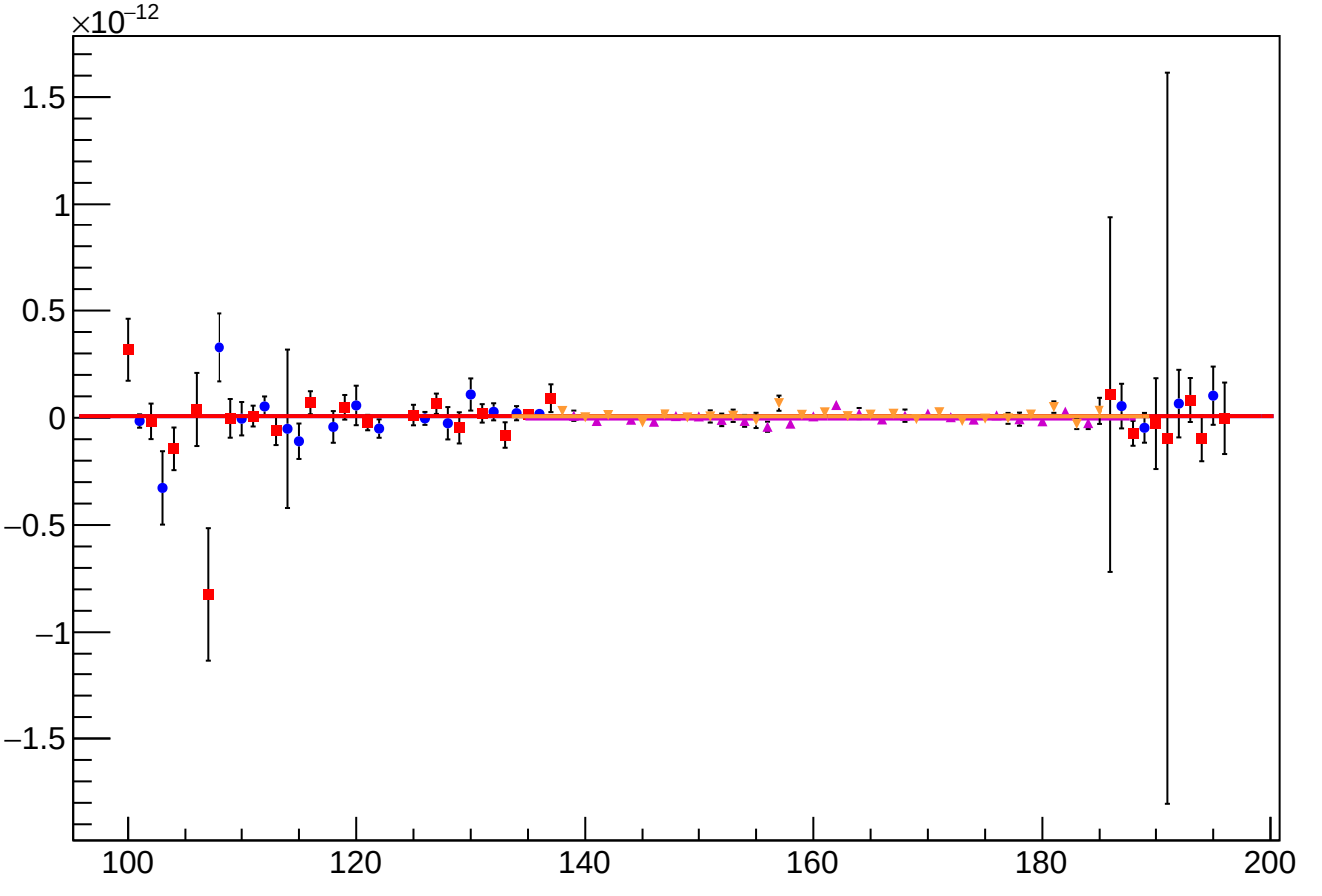
Right Out: 1466.619+/-0.310 χ^2/NDF: 1055532.5/24

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1310.165+/-0.176 χ^2/NDF: 991592.3/43

All: 1319.978+/-0.123 χ^2/NDF: 2372514.3/91

- sign 1329.561+/-0.173 χ^2/NDF: 1374744.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

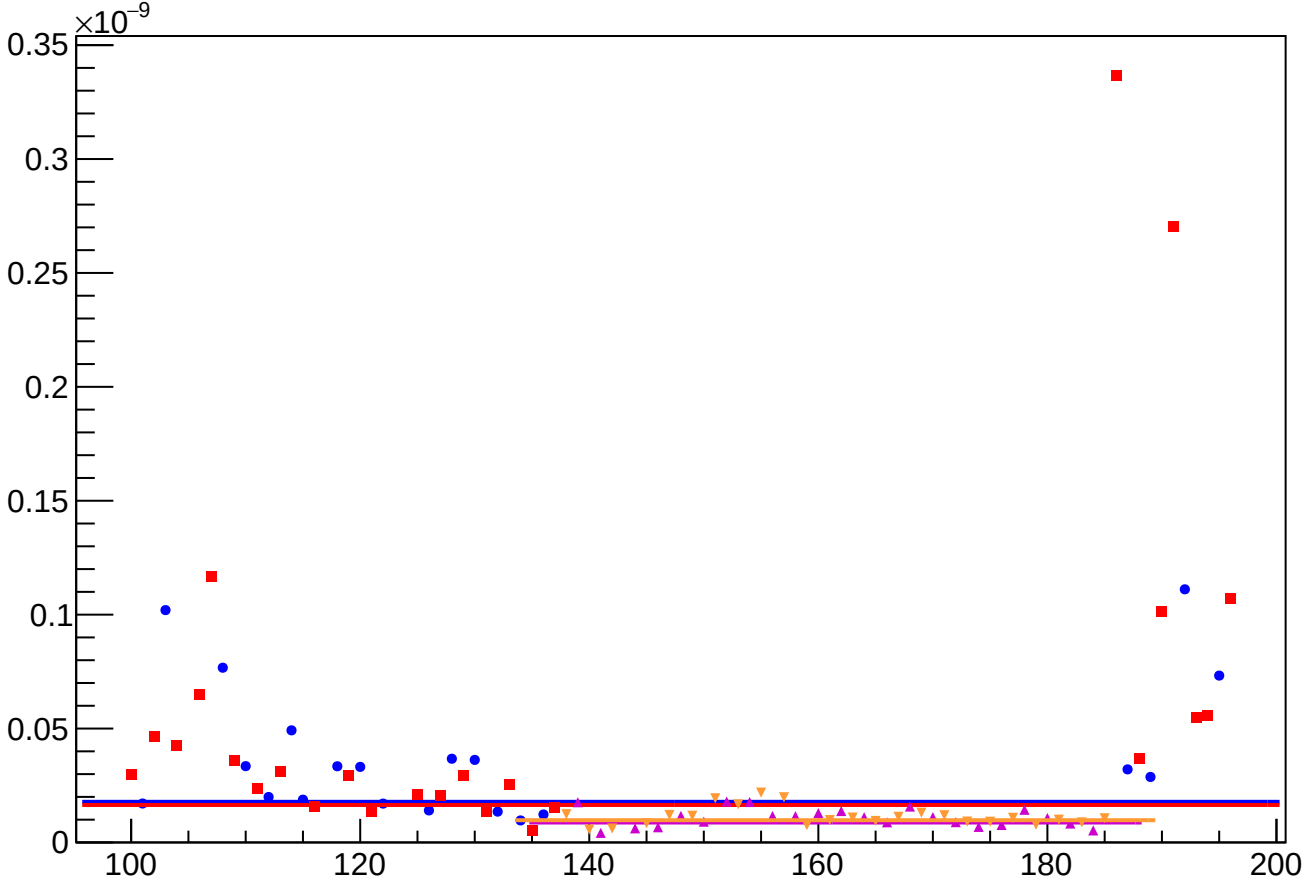
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/43

All: 0.000+/-0.000 χ^2/NDF: 93.1/91

- sign -0.000+/-0.000 χ^2/NDF: 51.7/47

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2719228.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4389438.0/24

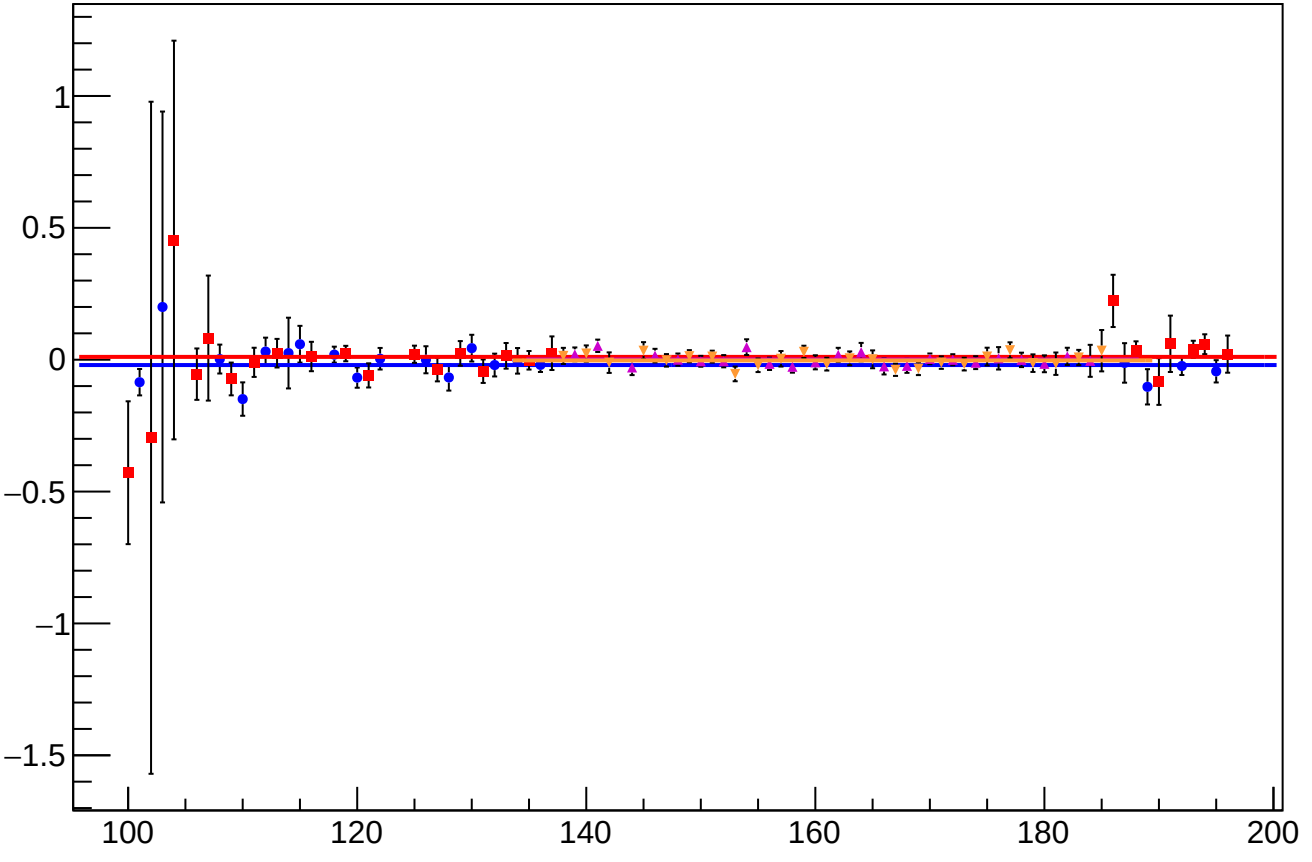
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5107558.6/43

All: 0.000+/-0.000 χ^2/NDF: 12513061.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7310339.4/47

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

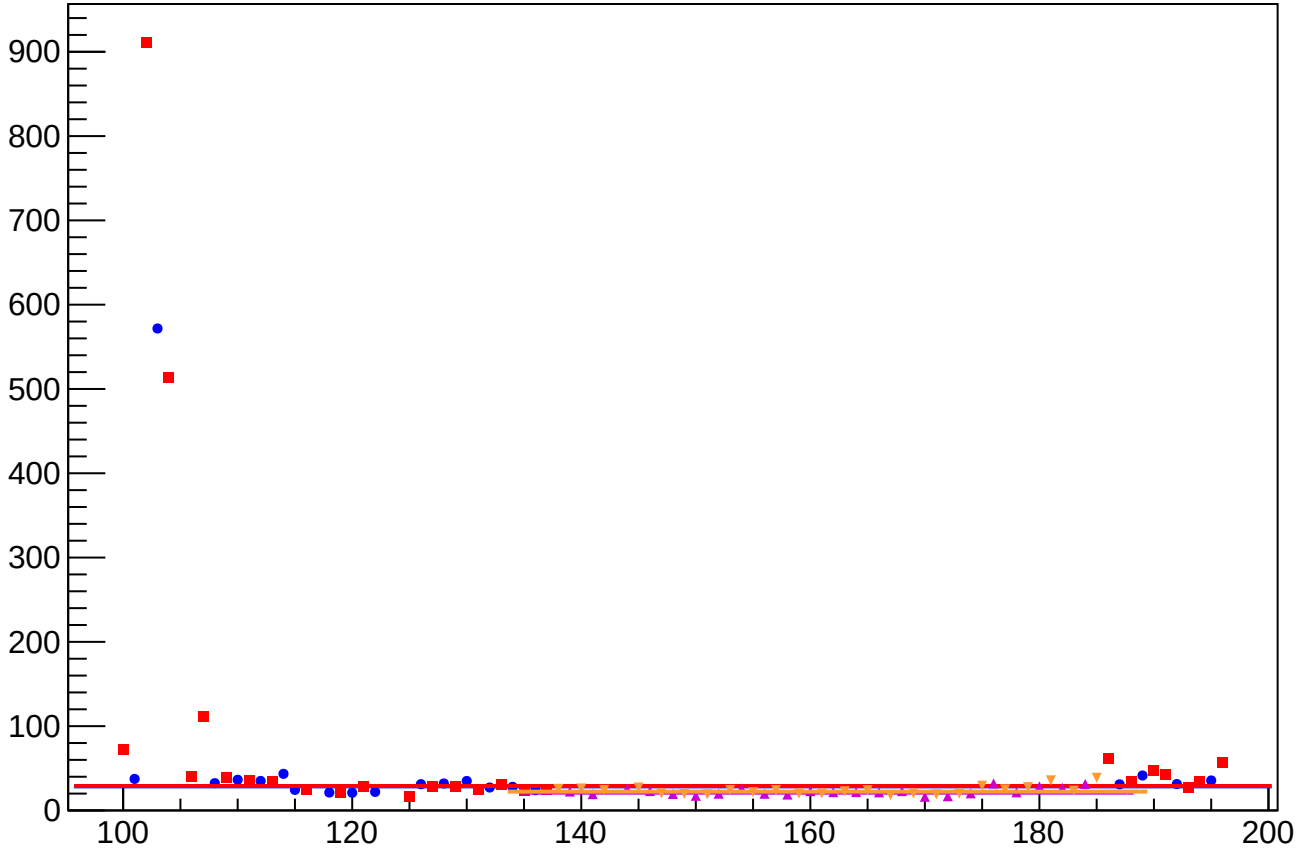
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.7/91

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.587+/-0.007 χ^2/NDF: 1737072.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

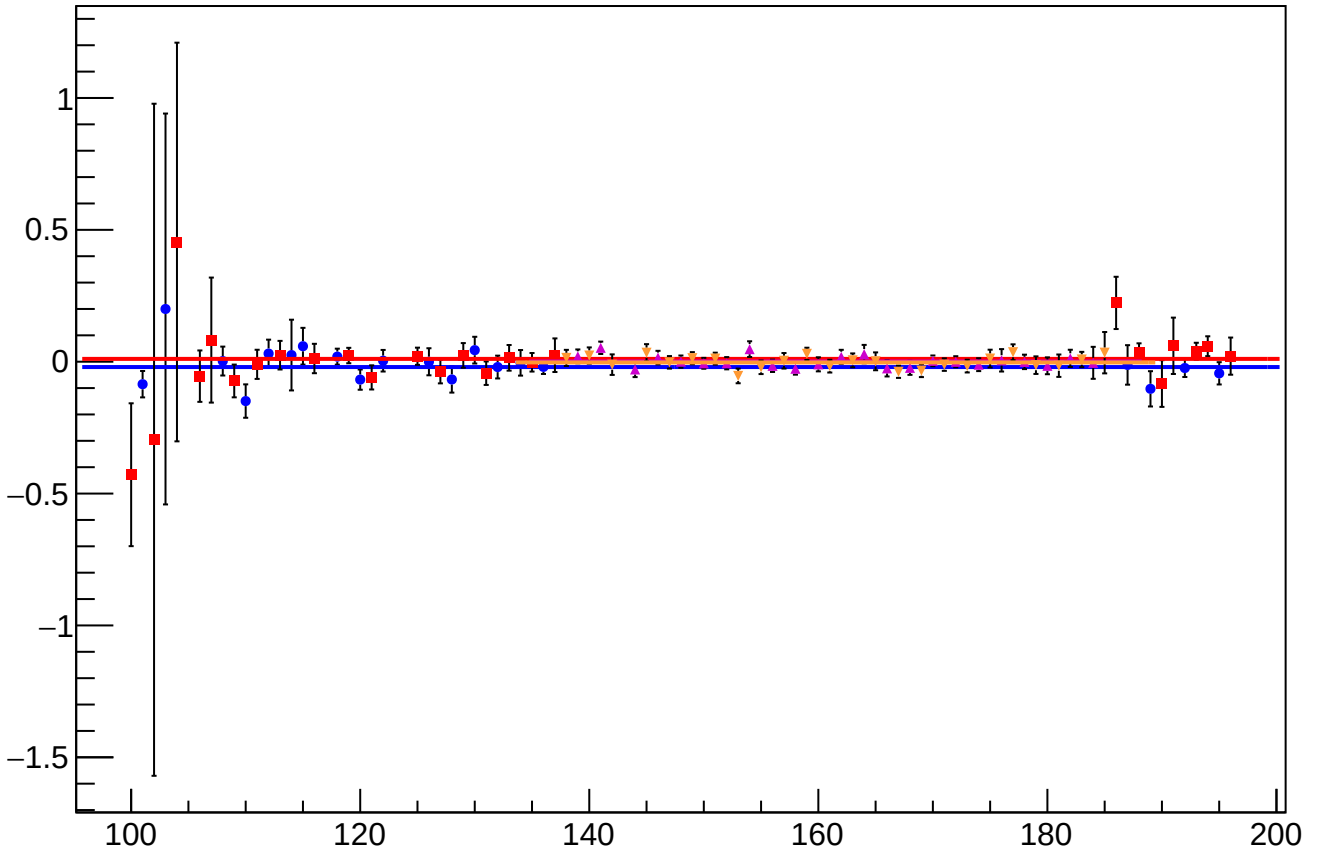
Right Out: 29.013+/-0.007 χ^2/NDF: 3444053.1/24

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108895.8/43

All: 23.330+/-0.002 χ^2/NDF: 8358870.1/91

- sign 22.898+/-0.003 χ^2/NDF: 5216339.5/47



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

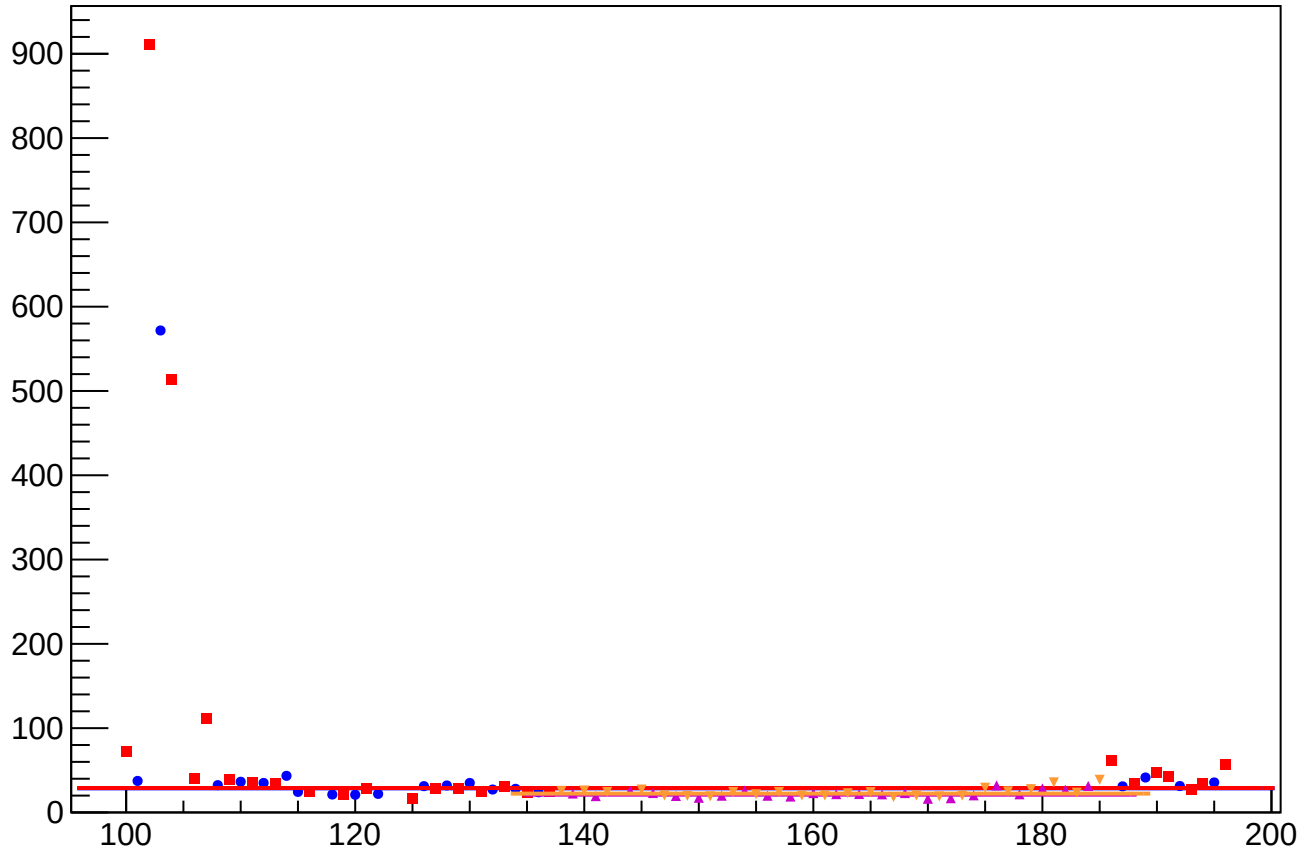
Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.7/91

\- sign 0.003+/-0.005 χ^2/NDF: 35.5/47



Right In: 28.587+/-0.007 χ^2/NDF: 1737072.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

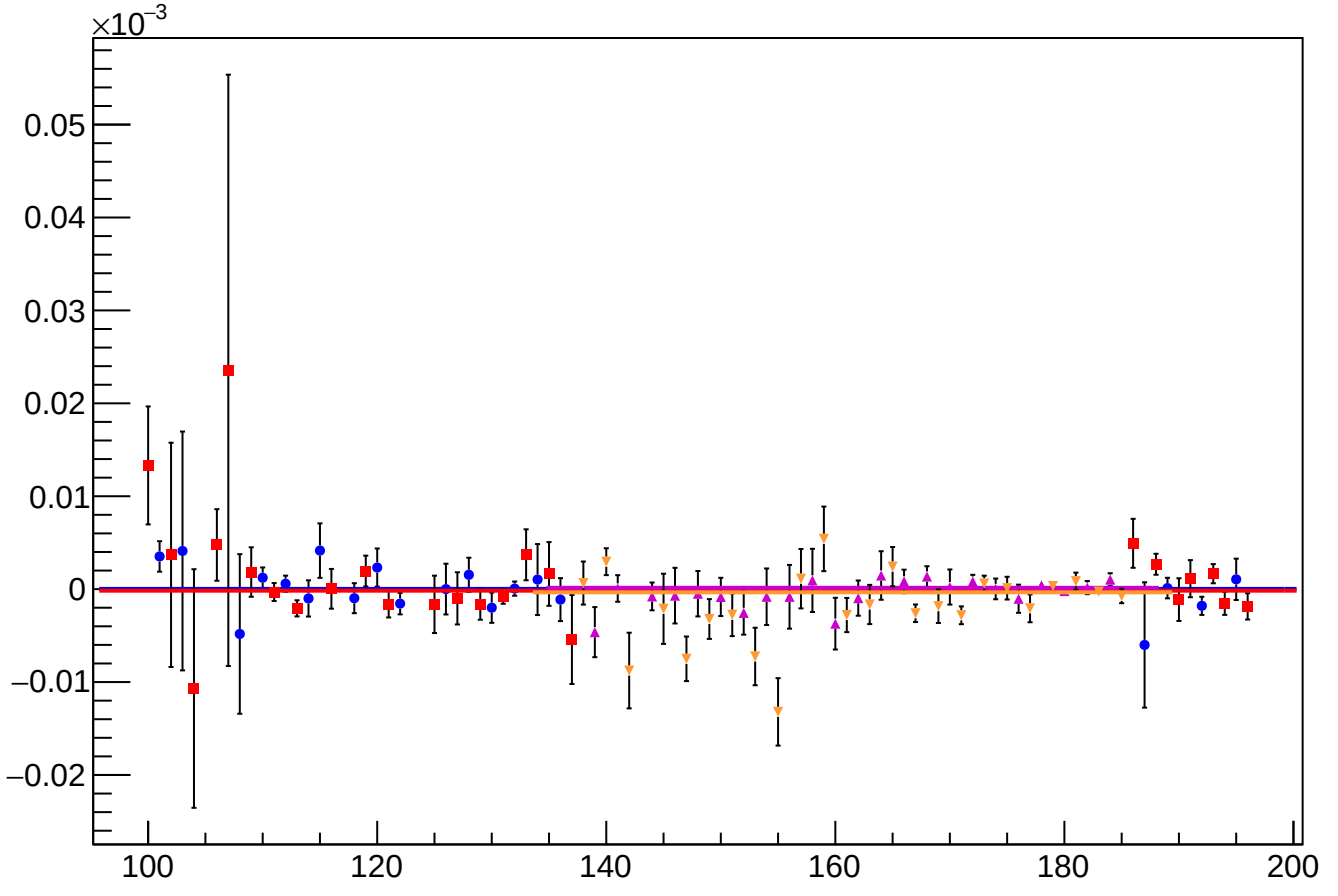
Right Out: 29.013+/-0.007 χ^2/NDF: 3444053.1/24

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108895.8/43

All: 23.330+/-0.002 χ^2/NDF: 8358870.1/91

- sign 22.898+/-0.003 χ^2/NDF: 5216339.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/24

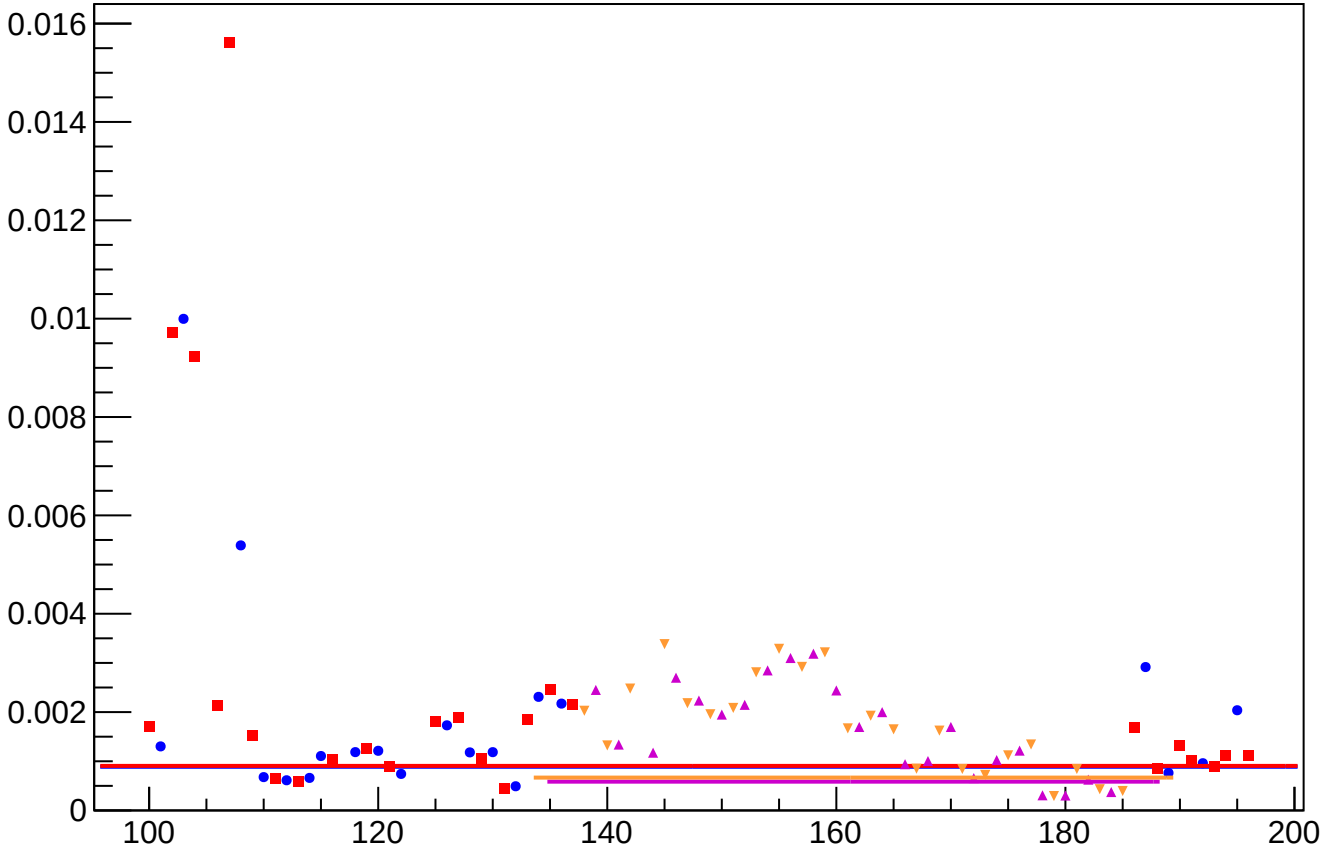
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.3/43

All: -0.000+/-0.000 χ^2/NDF: 142.1/91

- 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: 4631465.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

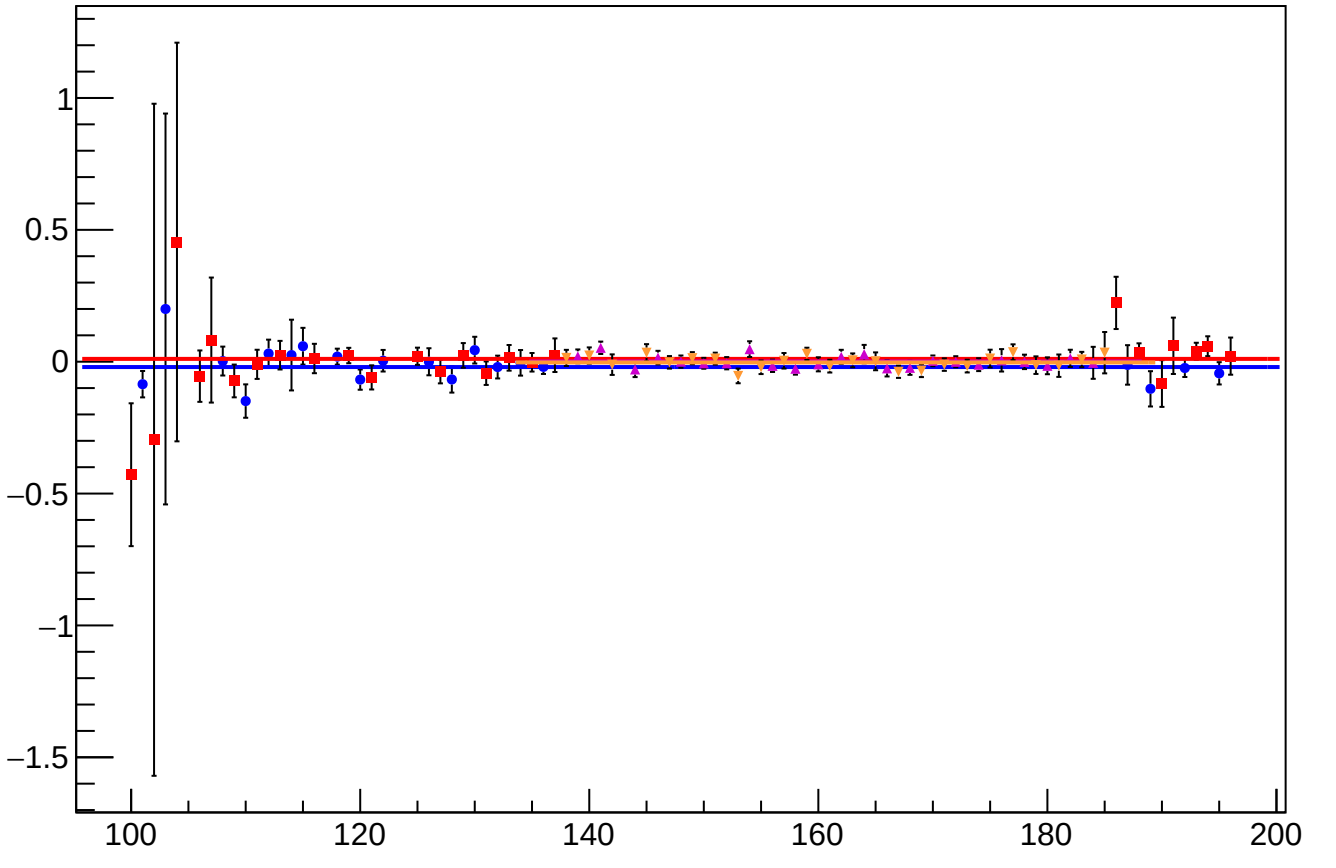
Right Out: 0.001+/-0.000 χ^2/NDF: 5442607.9/24

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 20648391.6/43

All: 0.001+/-0.000 χ^2/NDF: 43374281.2/91

- sign 0.001+/-0.000 χ^2/NDF: 22588822.6/47



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

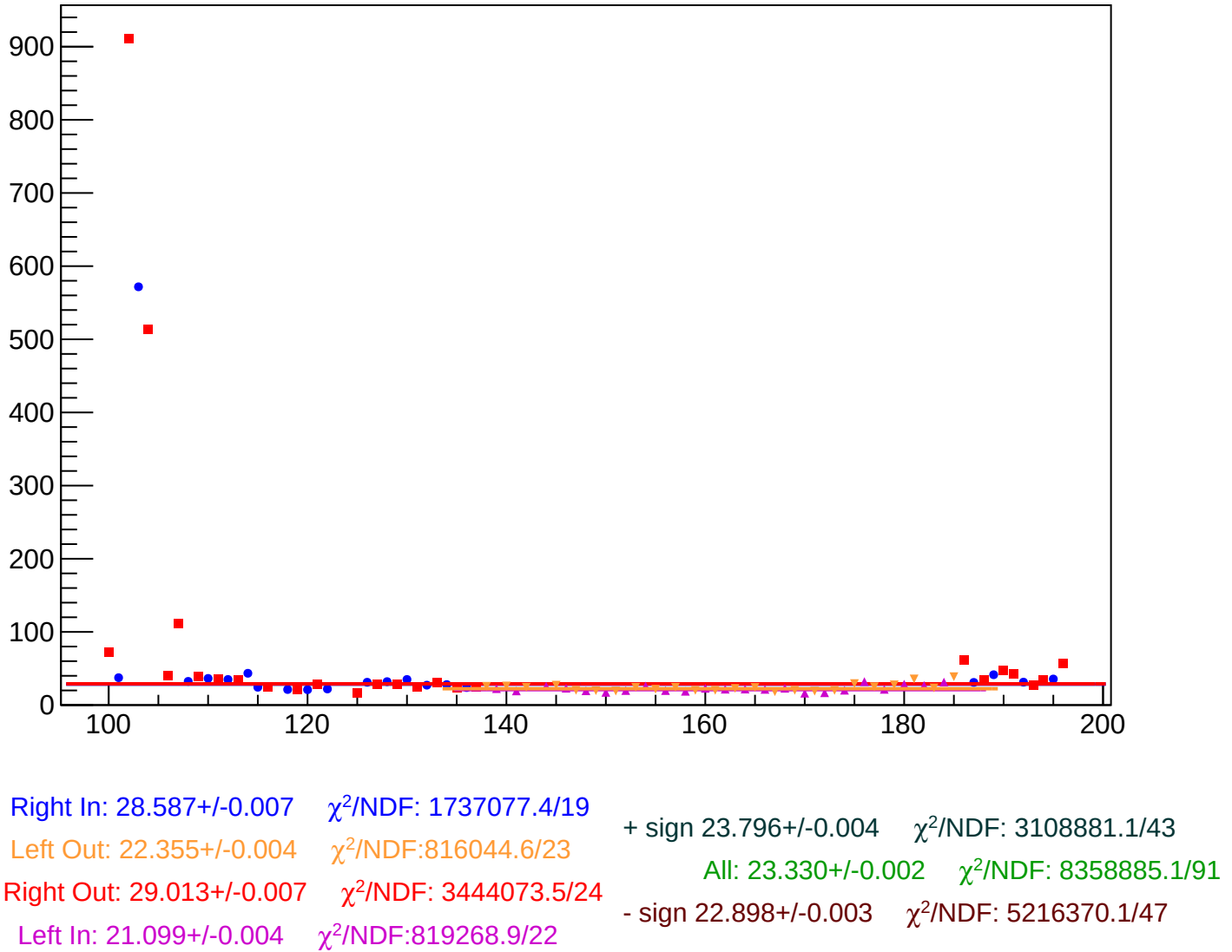
Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

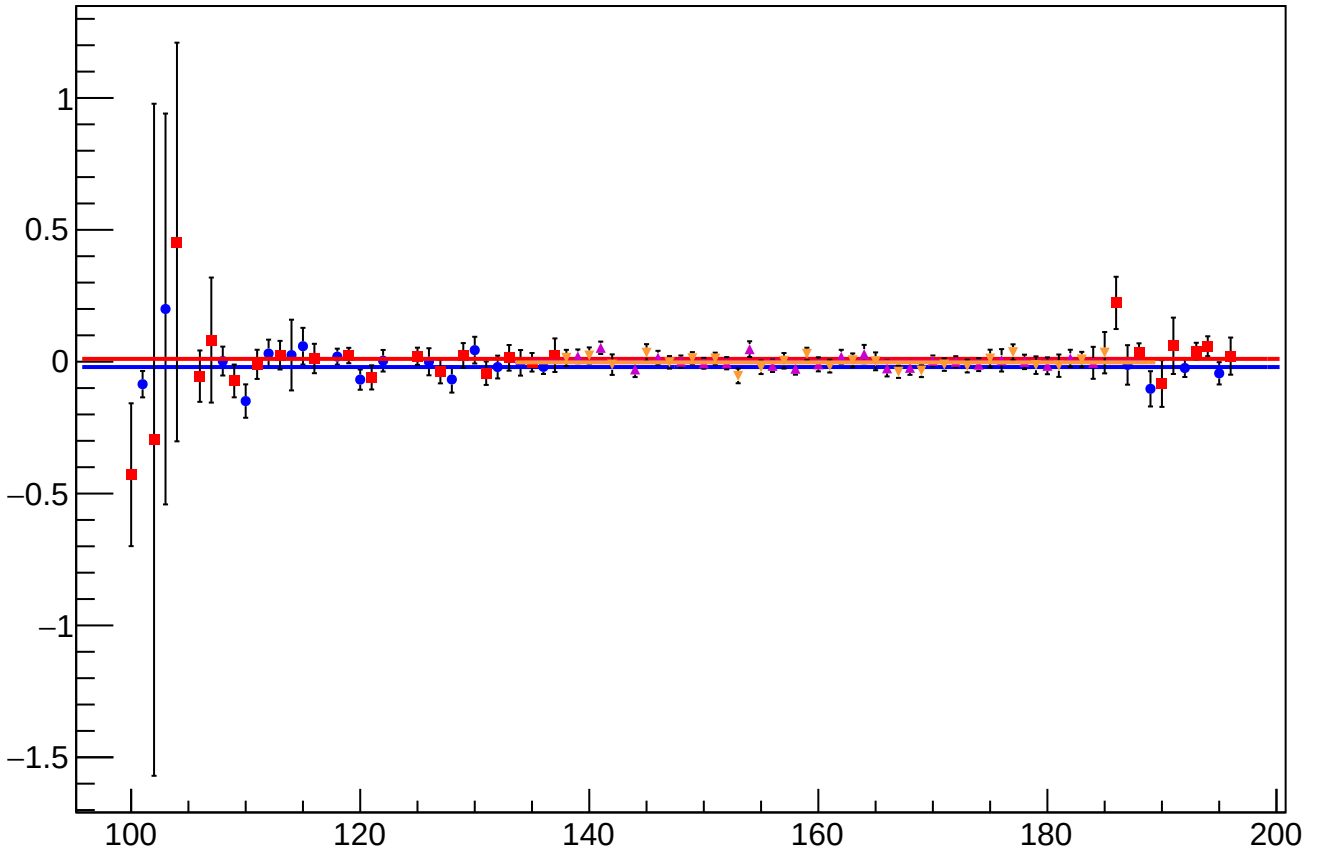
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.7/91

\- sign 0.003+/-0.005 χ^2/NDF: 35.5/47


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
120
140
160
180
200
Right In: 28.587+/-0.007 χ²/NDF: 1737077.4/19
Left Out: 22.355+/-0.004 χ²/NDF:816044.6/23
Right Out: 29.013+/-0.007 χ²/NDF: 3444073.5/24
Left In: 21.099+/-0.004 χ²/NDF:819268.9/22
+ sign 23.796+/-0.004 χ²/NDF: 3108881.1/43
All: 23.330+/-0.002 χ²/NDF: 8358885.1/91
- sign 22.898+/-0.003 χ²/NDF: 5216370.1/47



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

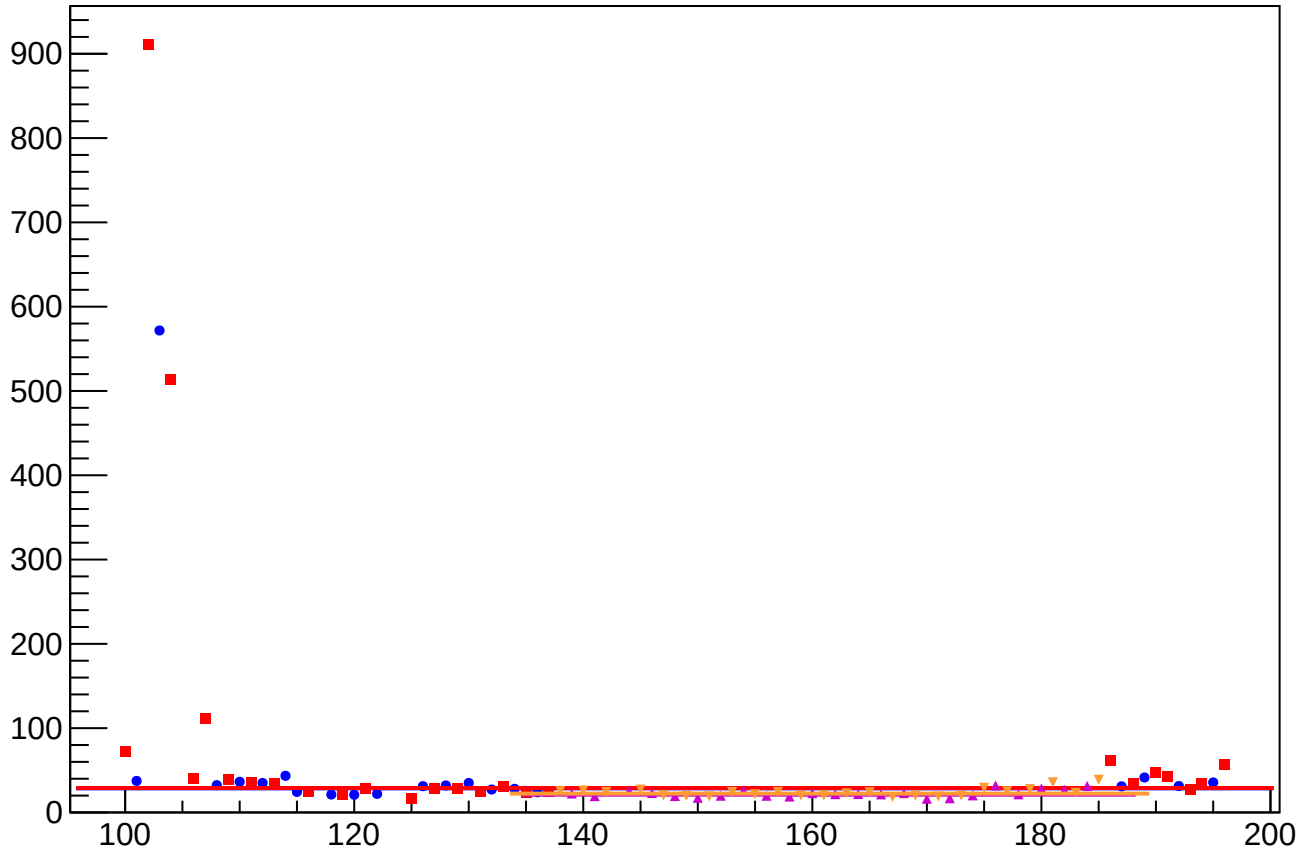
Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.7/91

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47



Right In: 28.587+/-0.007 χ^2/NDF: 1737077.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

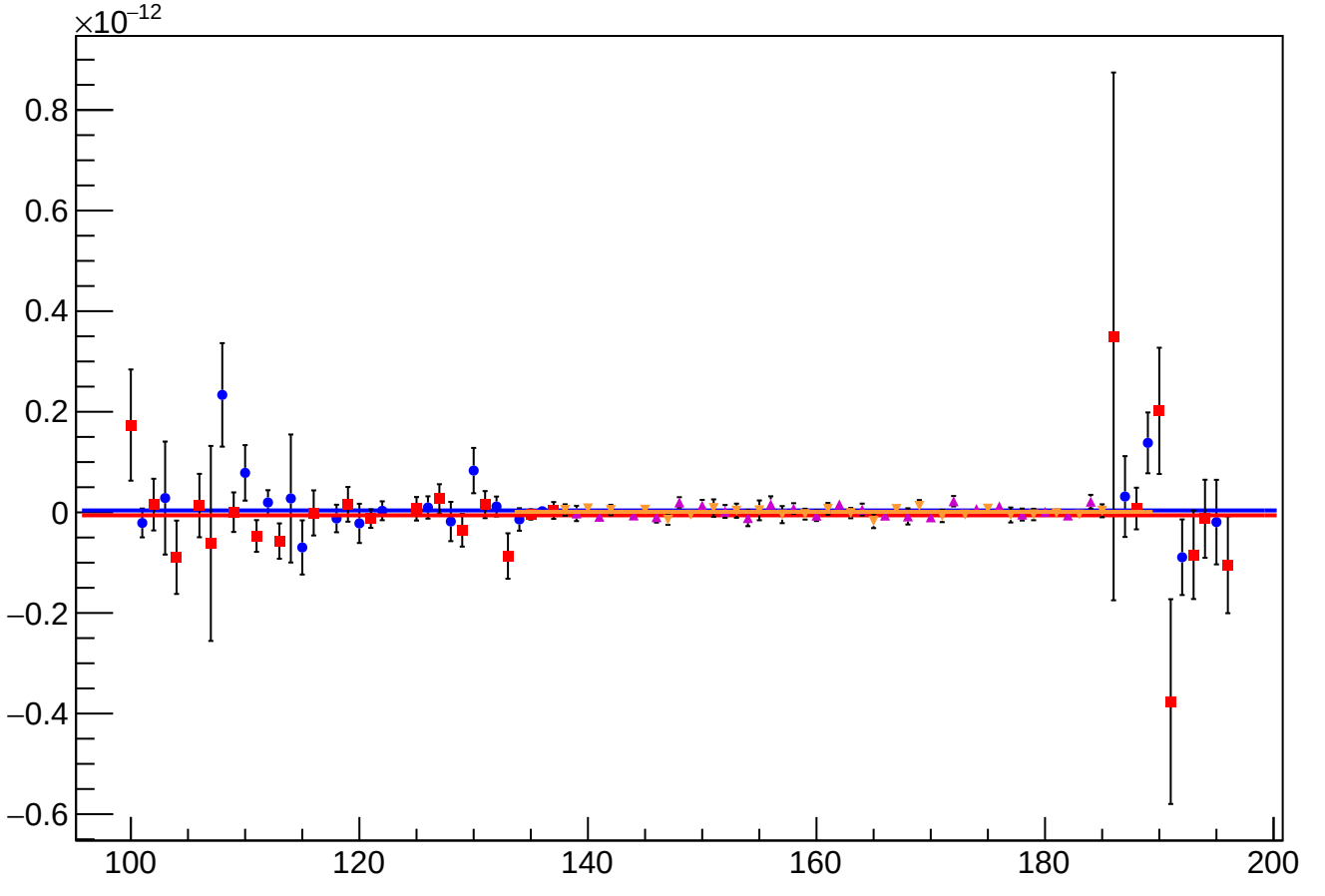
Right Out: 29.013+/-0.007 χ^2/NDF: 3444073.5/24

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108881.1/43

All: 23.330+/-0.002 χ^2/NDF: 8358885.1/91

- sign 22.898+/-0.003 χ^2/NDF: 5216370.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

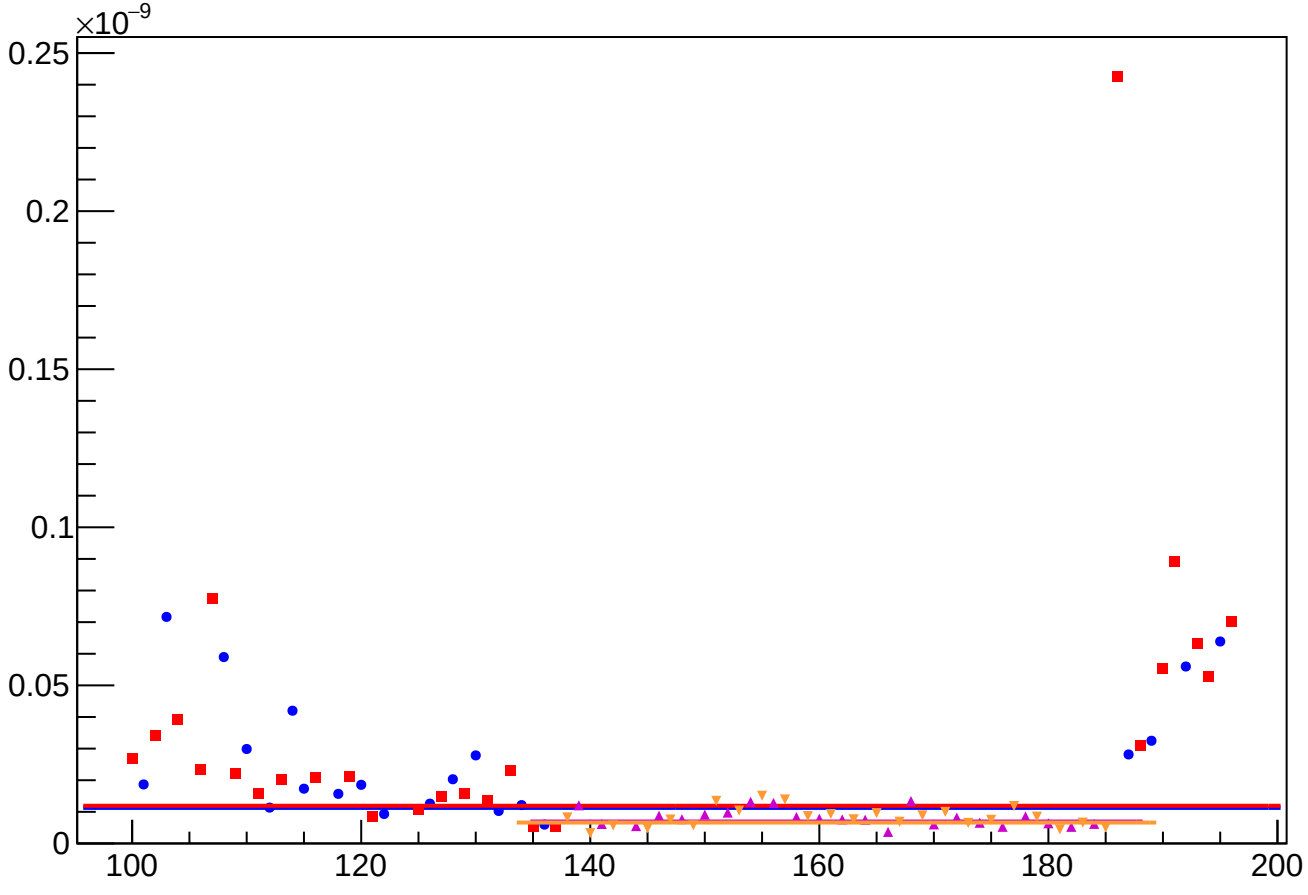
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/24

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/43

All: 0.000+/-0.000 χ^2/NDF: 84.4/91

- sign 0.000+/-0.000 χ^2/NDF: 50.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 4659803.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6176939.2/24

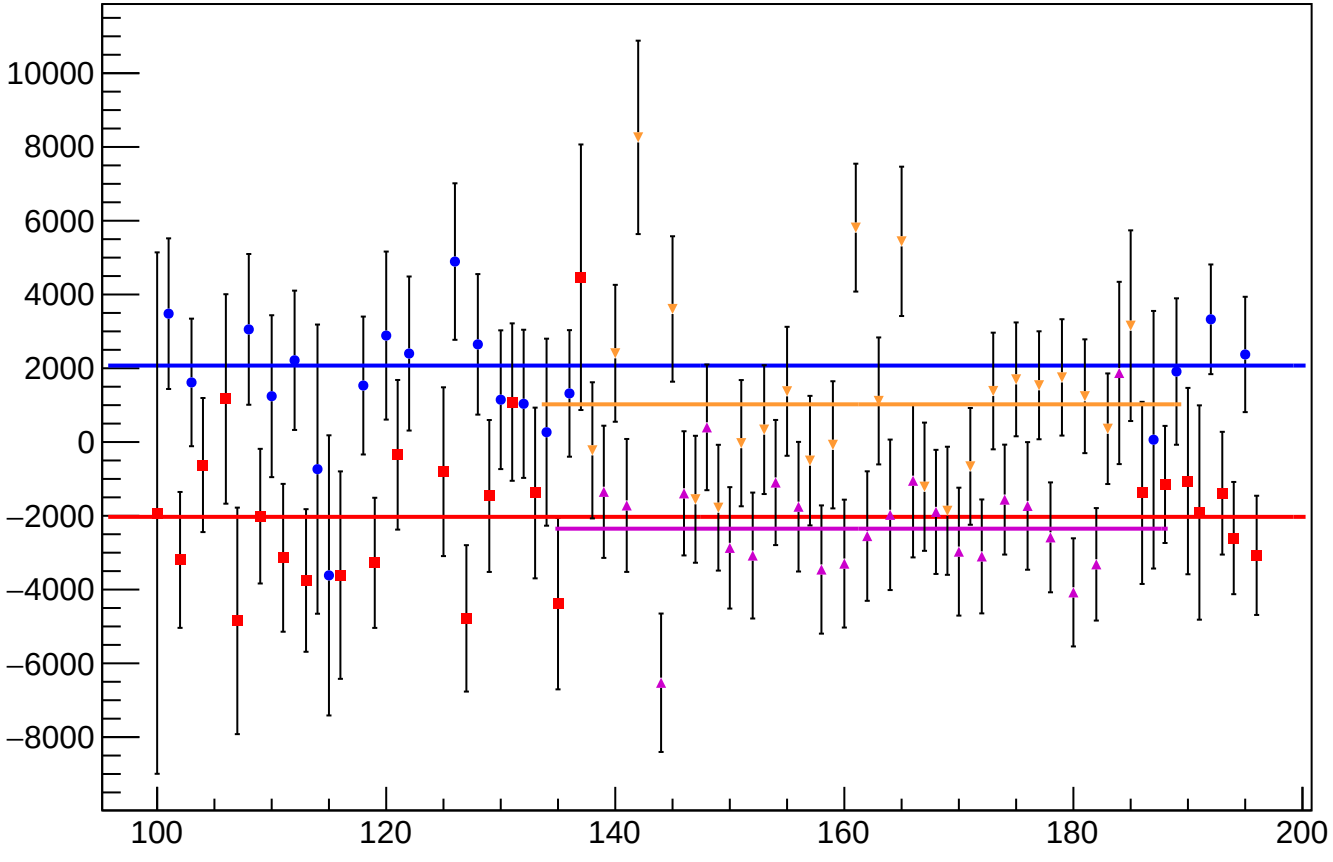
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9307643.5/43

All: 0.000+/-0.000 χ^2/NDF: 19080646.3/91

- sign 0.000+/-0.000 χ^2/NDF: 9740629.2/47

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2073.118+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.637+/-418.261 χ^2/NDF: 15.7/24

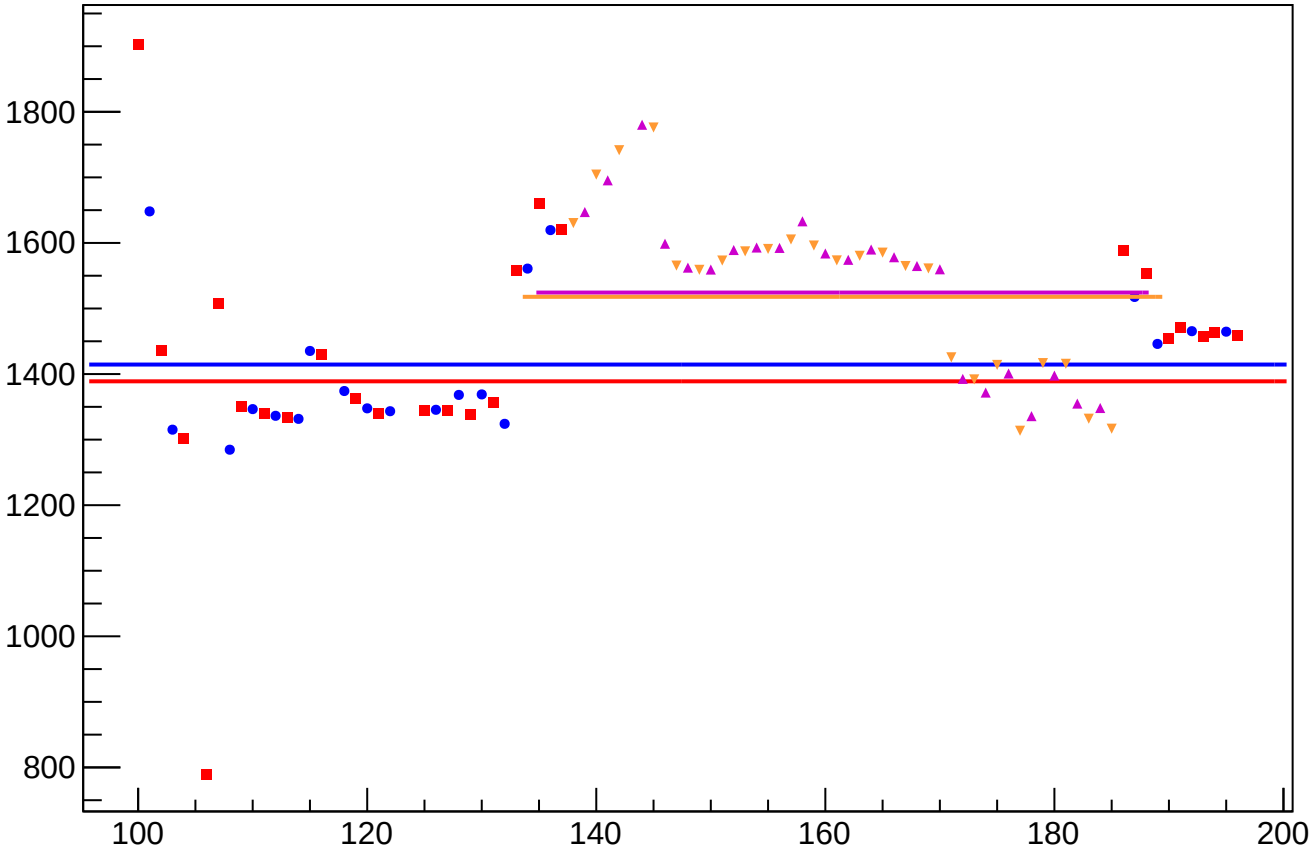
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.709+/-278.760 χ^2/NDF: 47.9/43

All: -444.652+/-194.520 χ^2/NDF: 167.1/91

- sign -2214.056+/-271.568 χ^2/NDF: 32.0/47

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

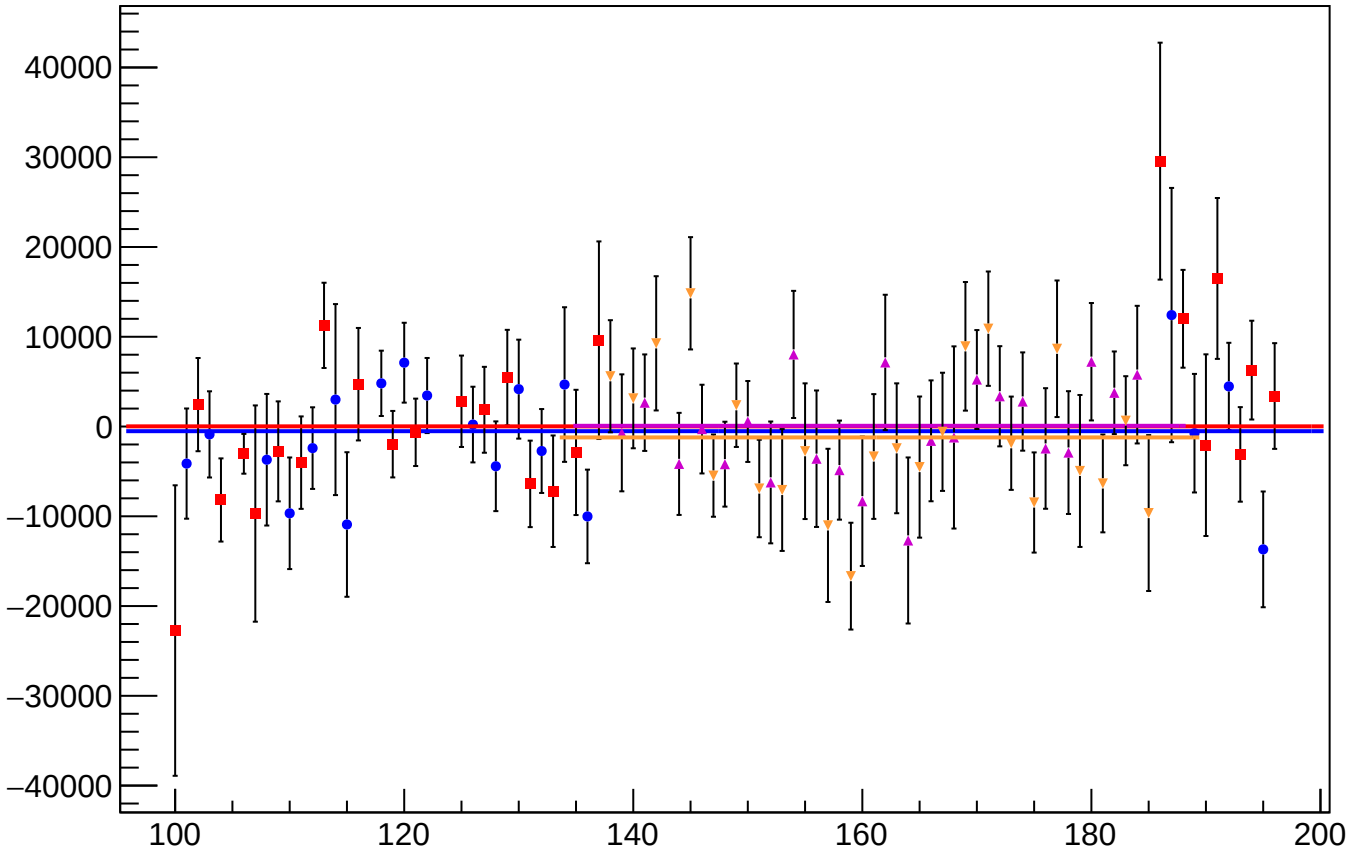
Right Out: 1388.922+/-0.290 χ^2/NDF: 387669.0/24

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.7/43

All: 1472.086+/-0.137 χ^2/NDF: 1139425.9/91

- sign 1465.858+/-0.190 χ^2/NDF: 736141.0/47



Right In: -518.185+/-1204.016 χ^2/NDF: 22.0/19

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 19.538+/-1022.264 χ^2/NDF: 36.0/24

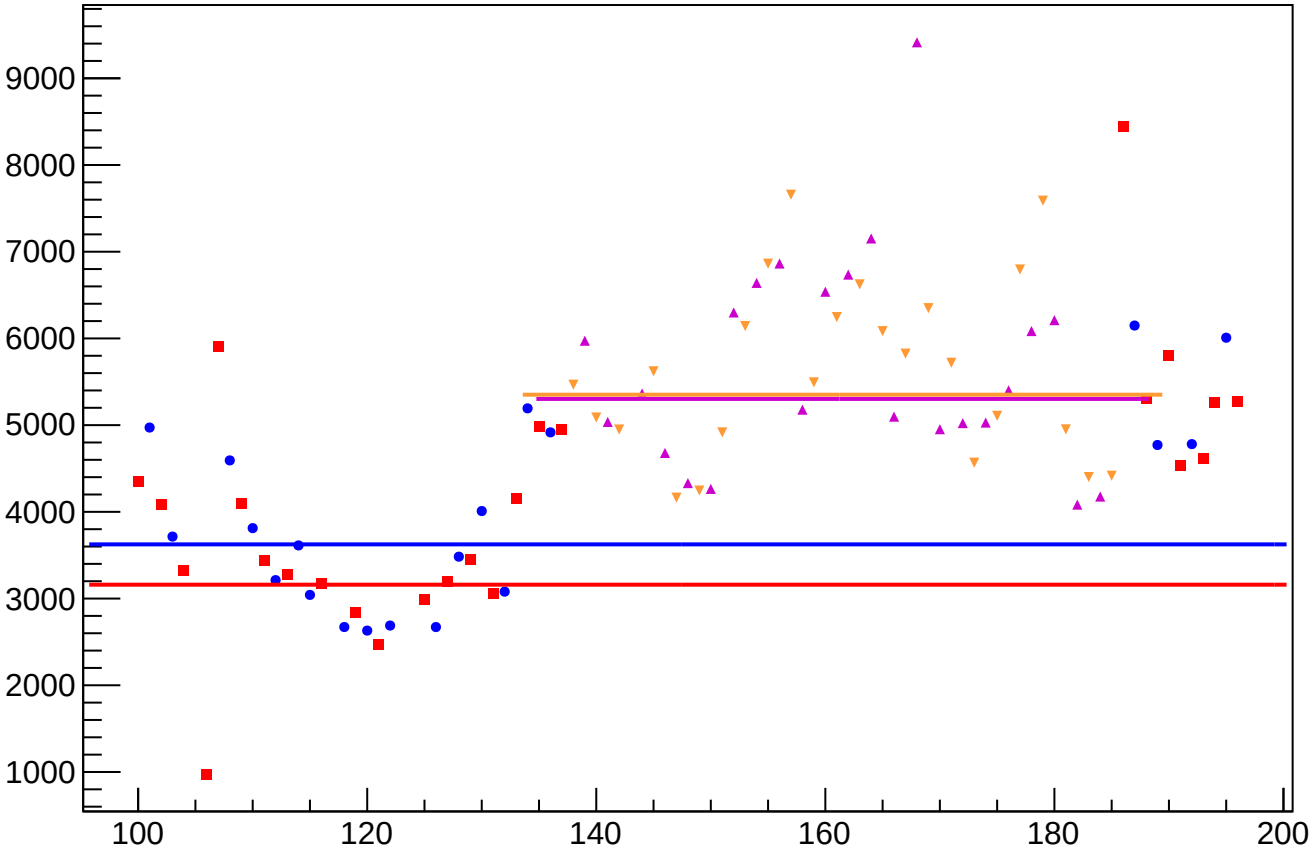
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -847.010+/-873.215 χ^2/NDF: 55.4/43

All: -359.921+/-587.832 χ^2/NDF: 105.2/91

- sign 43.747+/-794.930 χ^2/NDF: 49.2/47

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3624.985+/-0.851 χ^2/NDF: 1338333.4/19

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3159.924+/-0.723 χ^2/NDF: 4049902.3/24

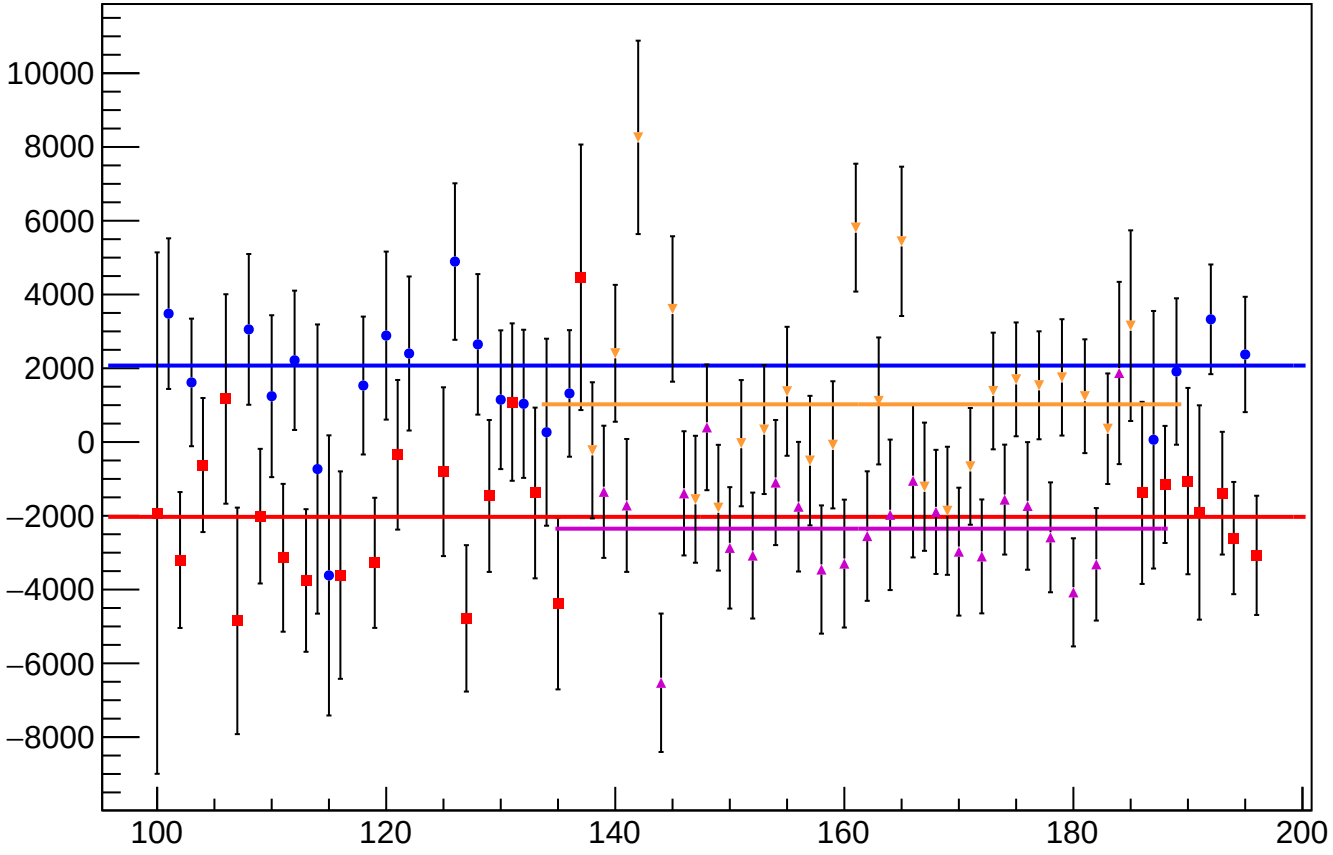
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4443.193+/-0.617 χ^2/NDF: 4352902.6/43

All: 4204.554+/-0.416 χ^2/NDF: 13404343.5/9

- sign 4006.784+/-0.562 χ^2/NDF: 8778276.1/47

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2073.156+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.774+/-418.262 χ^2/NDF: 15.7/24

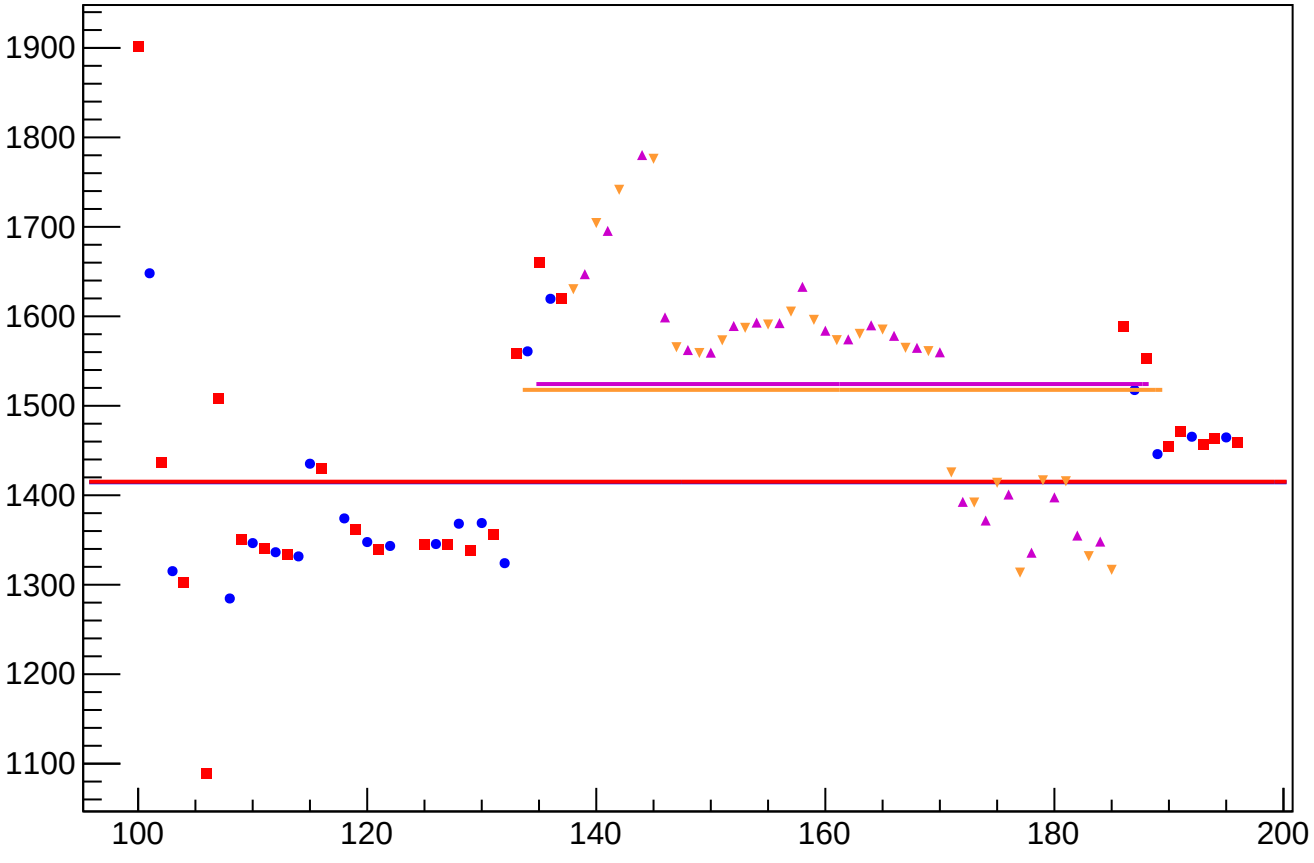
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.743+/-278.760 χ^2/NDF: 47.9/43

All: -444.662+/-194.521 χ^2/NDF: 167.1/91

- sign -2214.112+/-271.569 χ^2/NDF: 32.0/47

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.163+/-0.293 χ^2/NDF: 156578.4/24

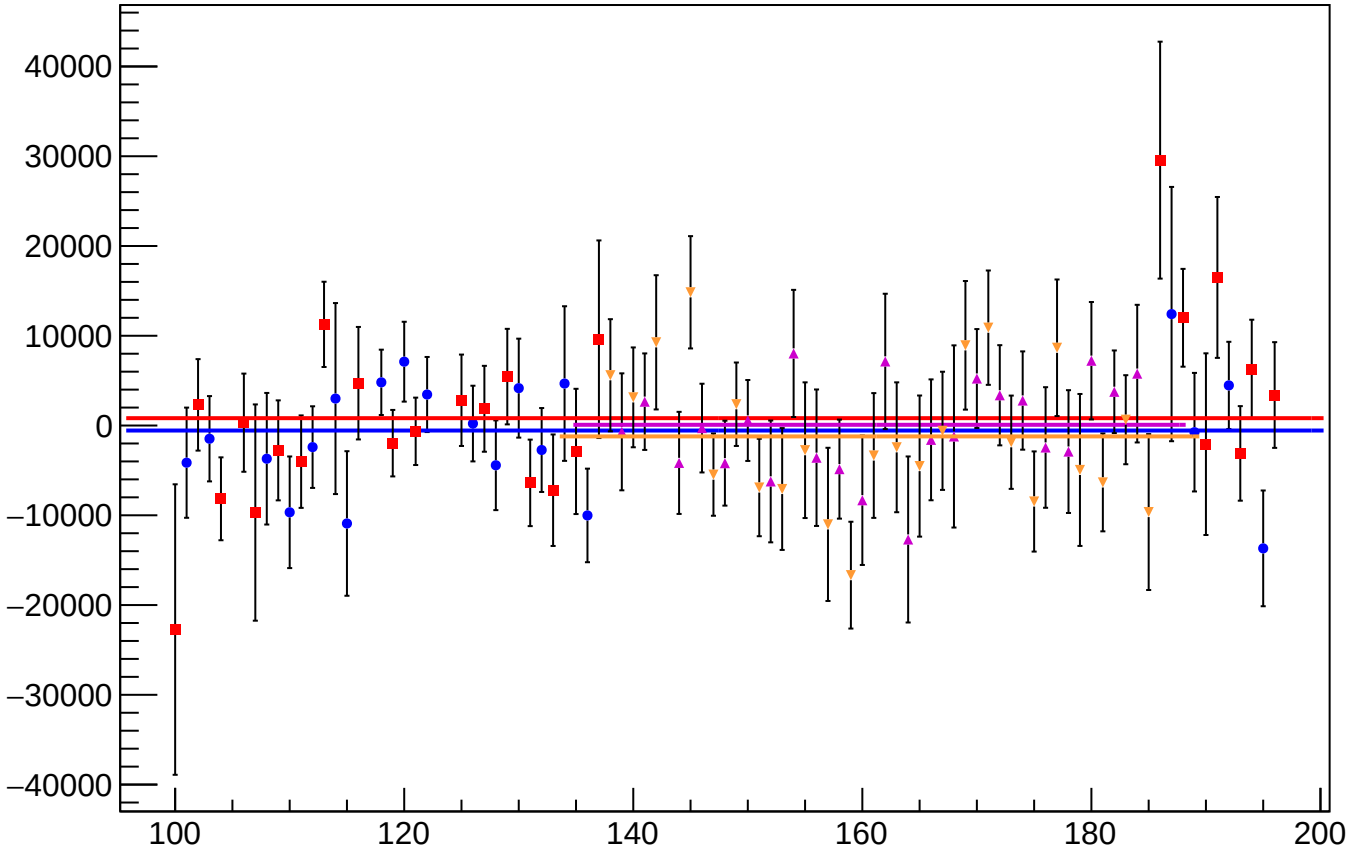
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.8/43

All: 1478.287+/-0.137 χ^2/NDF: 861557.0/91

- sign 1477.836+/-0.191 χ^2/NDF: 460479.7/47

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -557.294+/-1203.225 χ^2/NDF: 22.0/19

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

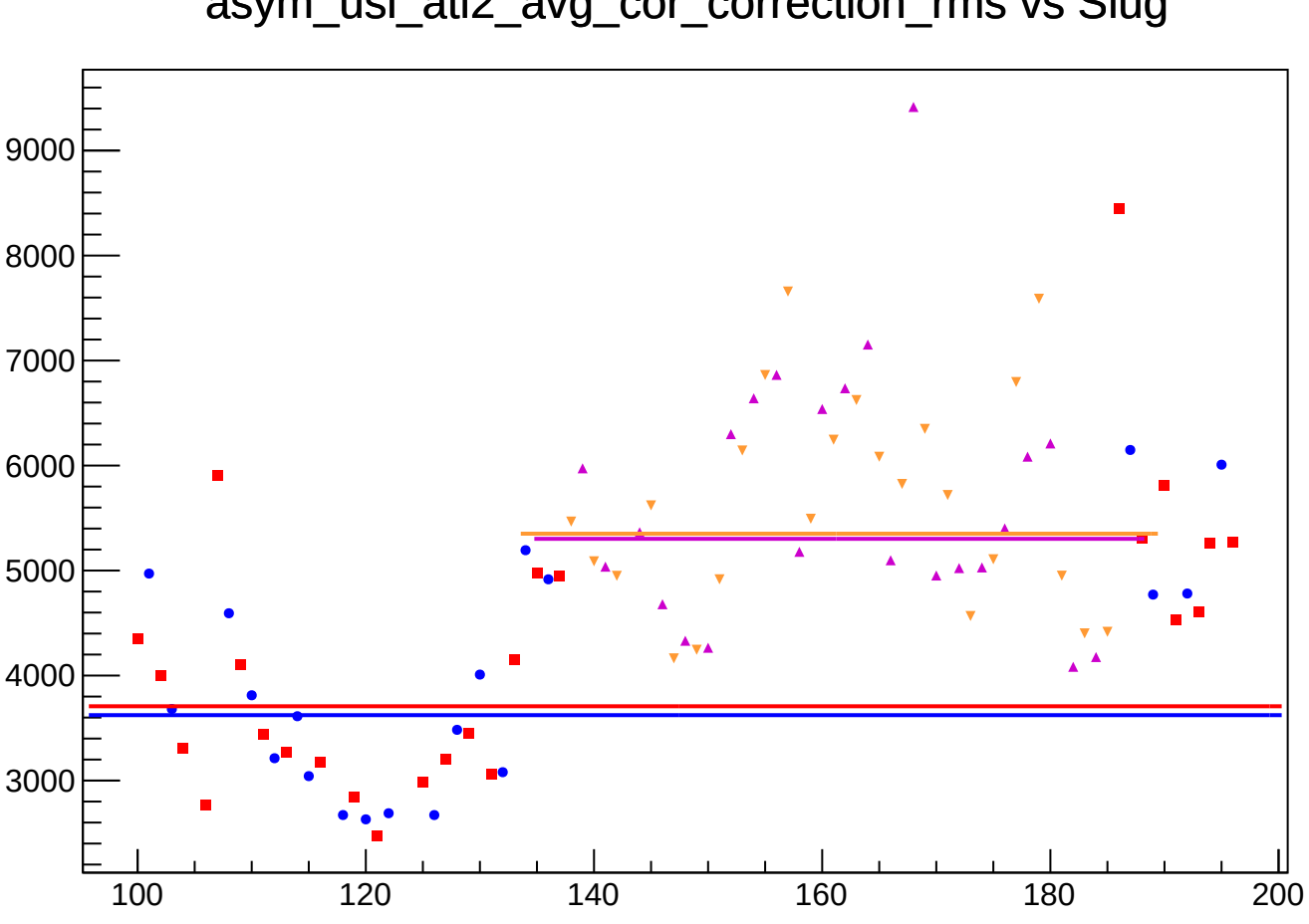
Right Out: 819.348+/-1126.420 χ^2/NDF: 33.6/24

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

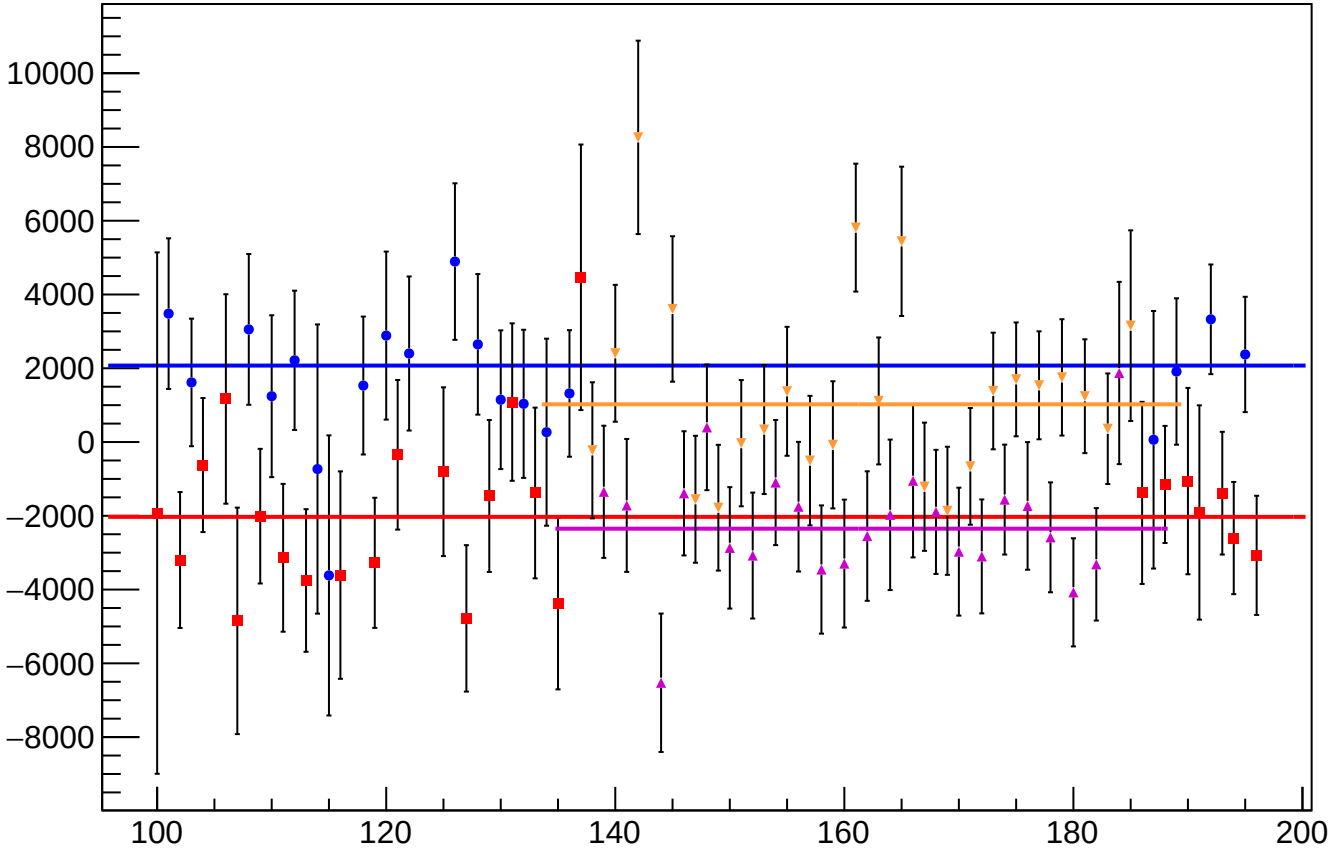
+ sign -867.364+/-872.913 χ^2/NDF: 55.4/43

All: -162.164+/-605.662 χ^2/NDF: 103.7/91

- sign 492.485+/-841.045 χ^2/NDF: 47.0/47


asym_usl_atl2_avg_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 3622.932+/-0.851 χ²/NDF: 1337801.5/19
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 3707.505+/-0.796 χ²/NDF: 1620445.1/24
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
+ sign 4441.549+/-0.617 χ²/NDF: 4358229.4/43
All: 4426.827+/-0.428 χ²/NDF: 9009850.0/91
- sign 4413.160+/-0.595 χ²/NDF: 4650523.6/47

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2073.156+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.774+/-418.262 χ^2/NDF: 15.7/24

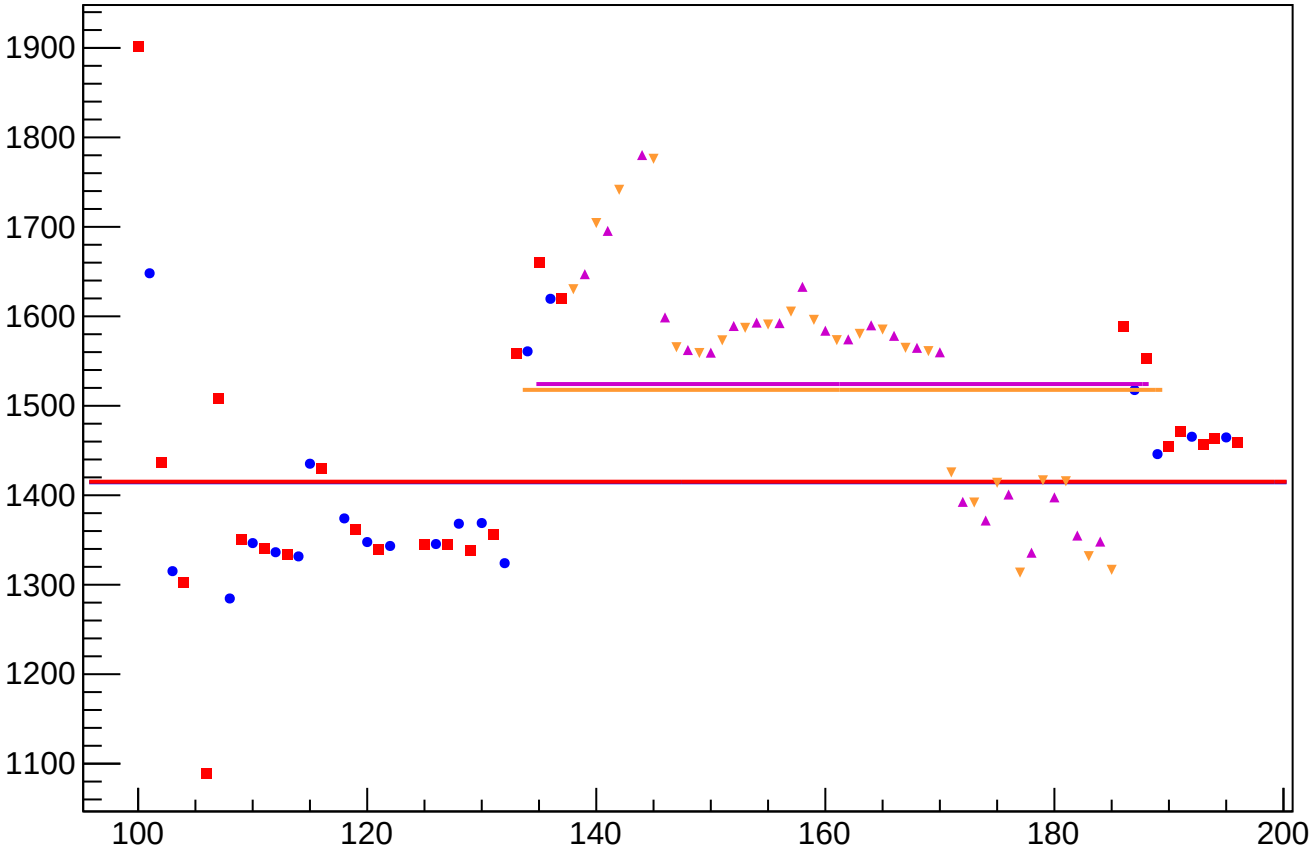
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.743+/-278.760 χ^2/NDF: 47.9/43

All: -444.662+/-194.521 χ^2/NDF: 167.1/91

- sign -2214.112+/-271.569 χ^2/NDF: 32.0/47

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

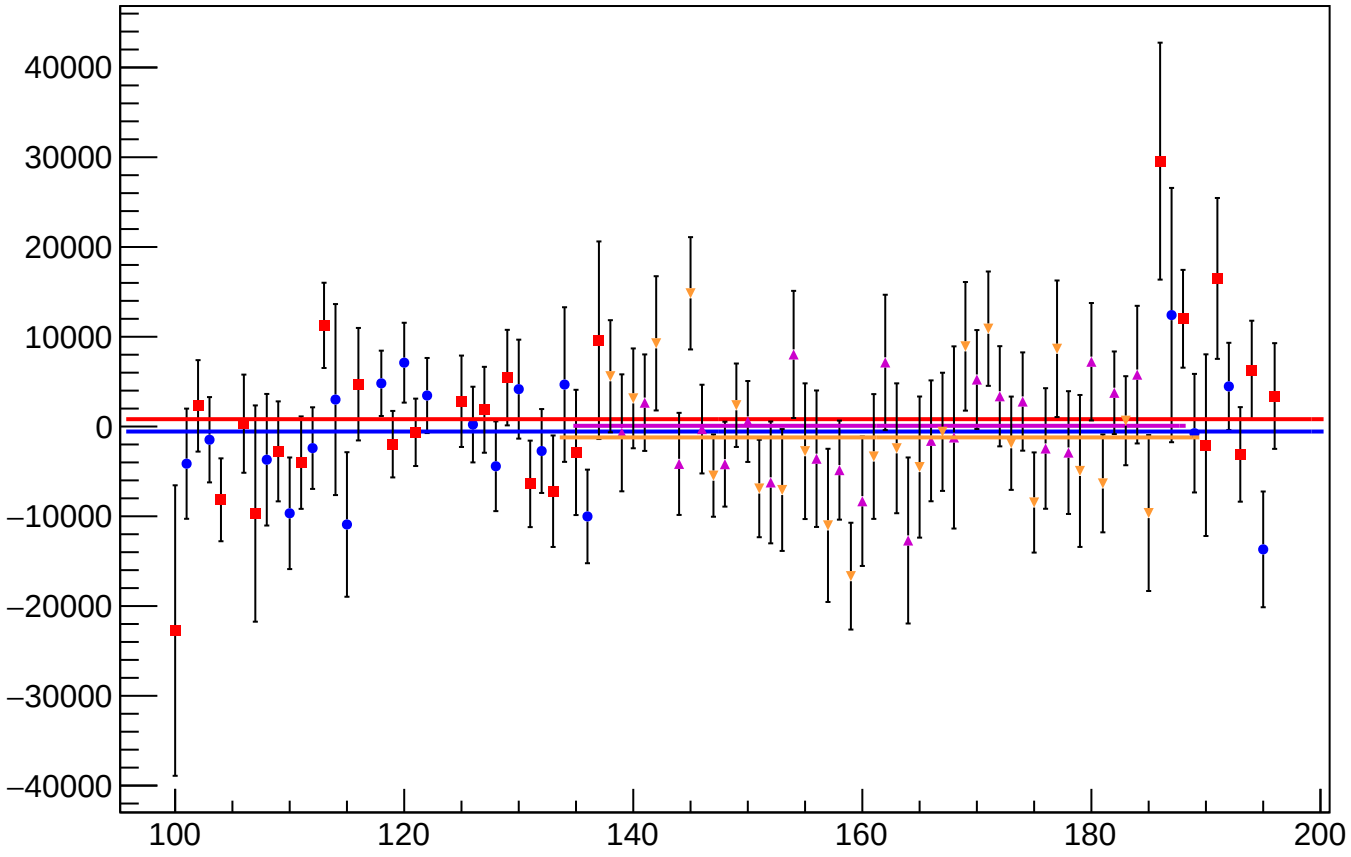
Right Out: 1415.163+/-0.293 χ^2/NDF: 156578.4/24

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.8/43

All: 1478.287+/-0.137 χ^2/NDF: 861557.0/91

- sign 1477.836+/-0.191 χ^2/NDF: 460479.7/47



Right In: -557.294+/-1203.225 χ^2/NDF: 22.0/19

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

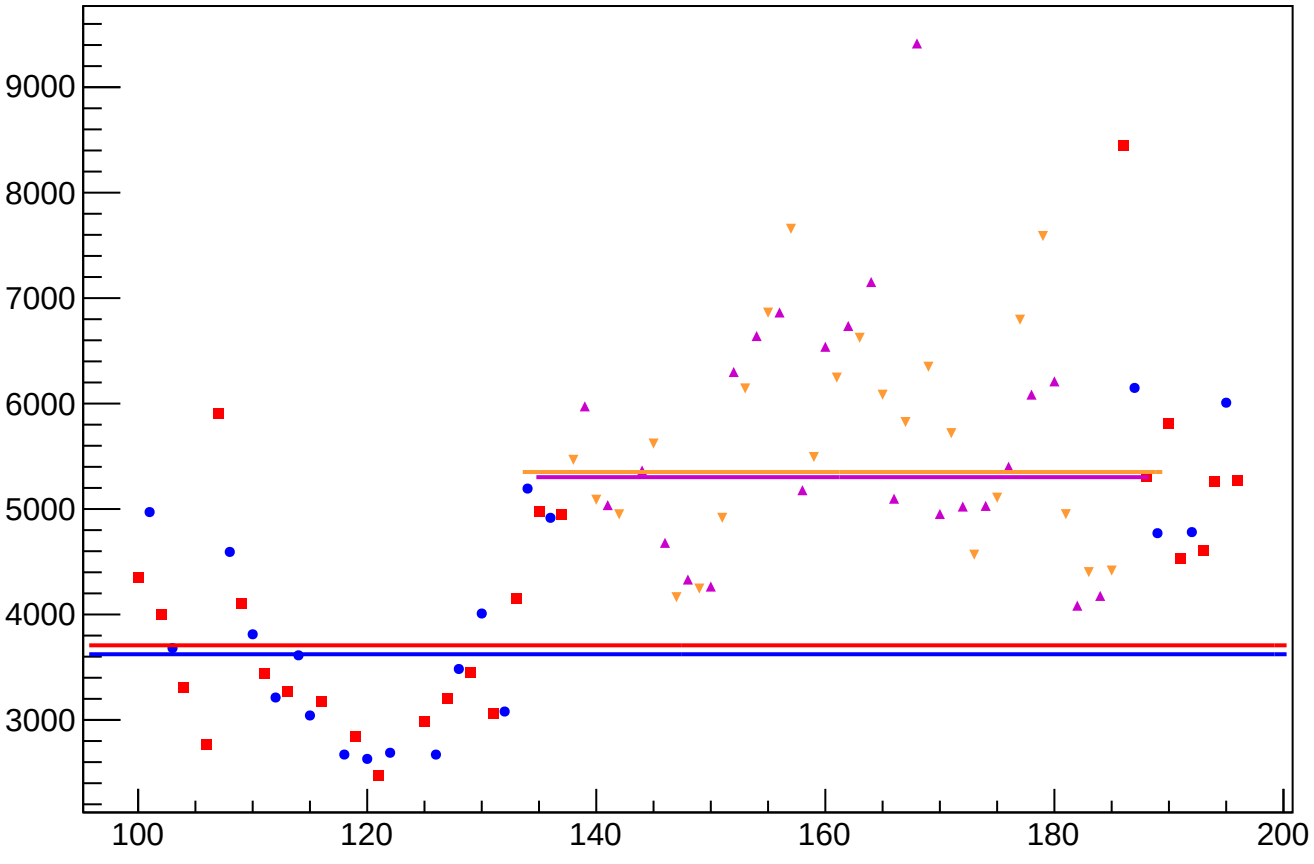
Right Out: 819.348+/-1126.420 χ^2/NDF: 33.6/24

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -867.364+/-872.913 χ^2/NDF: 55.4/43

All: -162.164+/-605.662 χ^2/NDF: 103.7/91

- sign 492.485+/-841.045 χ^2/NDF: 47.0/47



Right In: 3622.932+/-0.851 χ^2/NDF: 1337801.5/19

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3707.505+/-0.796 χ^2/NDF: 1620445.1/24

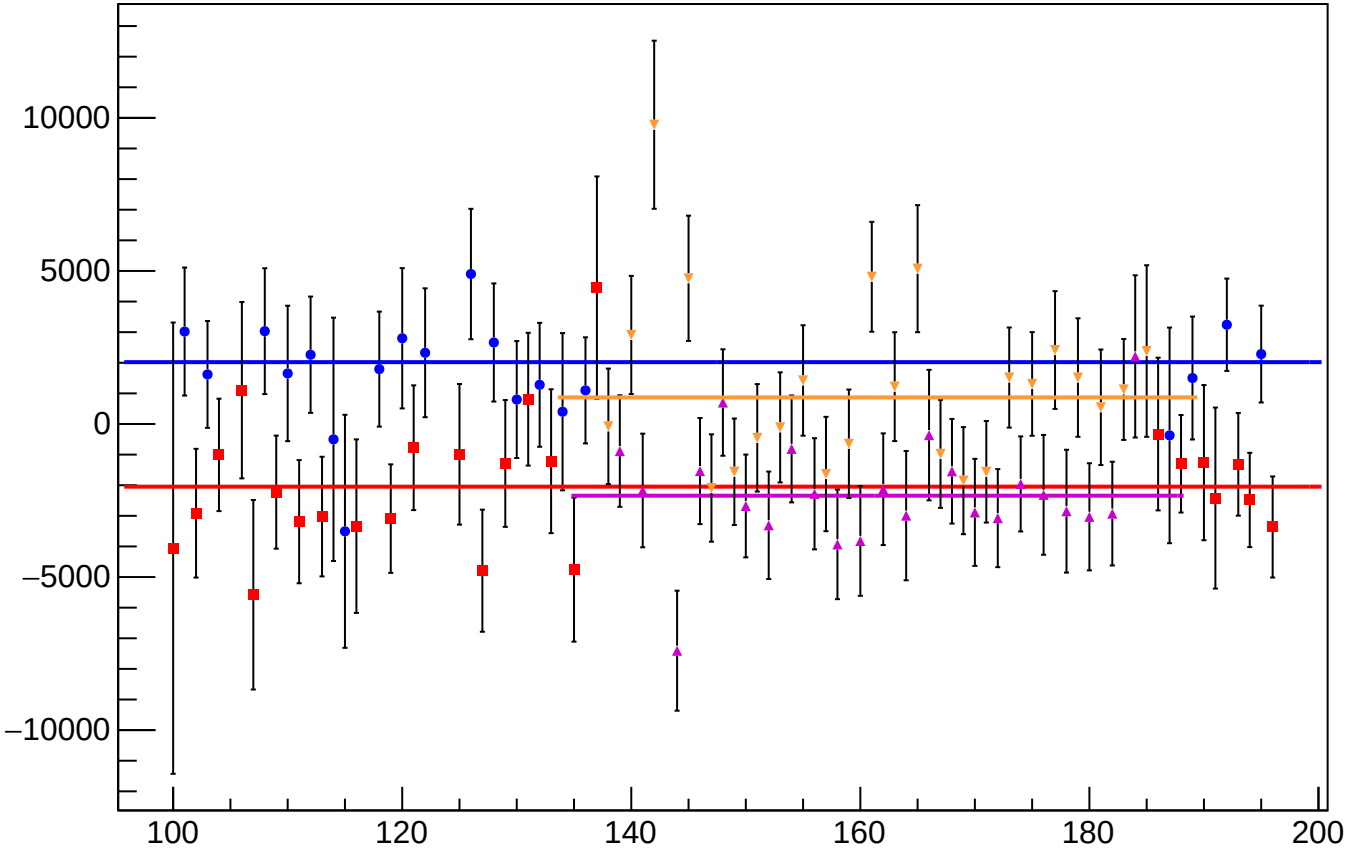
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4441.549+/-0.617 χ^2/NDF: 4358229.4/43

All: 4426.827+/-0.428 χ^2/NDF: 9009850.0/91

- sign 4413.160+/-0.595 χ^2/NDF: 4650523.6/47

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2020.757+/-458.013 χ^2/NDF: 7.6/19

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2047.009+/-424.658 χ^2/NDF: 14.9/24

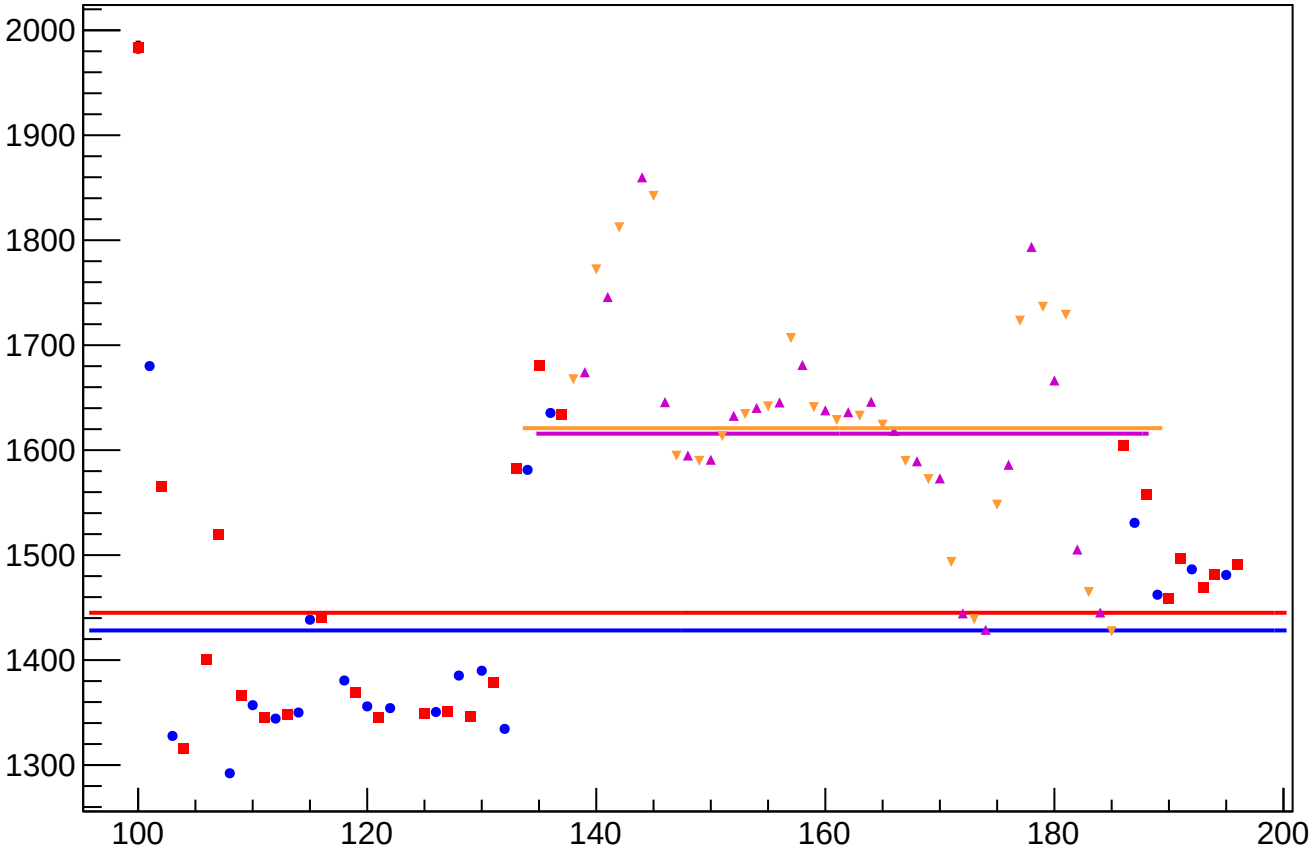
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1334.093+/-291.159 χ^2/NDF: 51.1/43

All: -492.983+/-202.710 χ^2/NDF: 160.8/91

- sign -2211.720+/-282.394 χ^2/NDF: 33.2/47

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.225+/-0.324 χ^2/NDF: 108871.4/19

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1445.073+/-0.300 χ^2/NDF: 119461.5/24

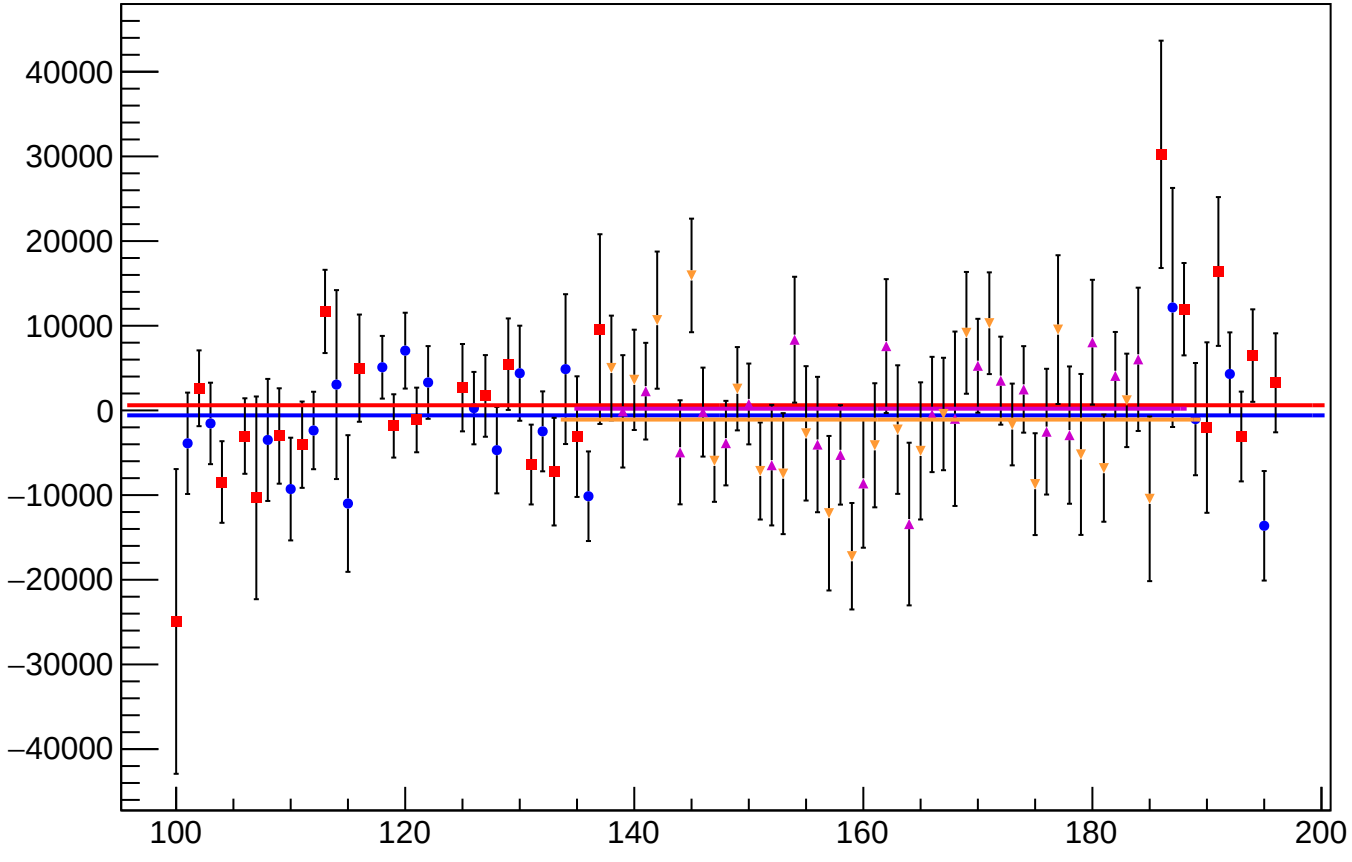
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1543.064+/-0.206 χ^2/NDF: 461862.4/43

All: 1541.537+/-0.143 χ^2/NDF: 899026.9/91

- sign 1540.103+/-0.200 χ^2/NDF: 437057.8/47

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -584.224+/-1215.362 χ^2/NDF: 21.7/19

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 609.931+/-1116.344 χ^2/NDF: 34.7/24

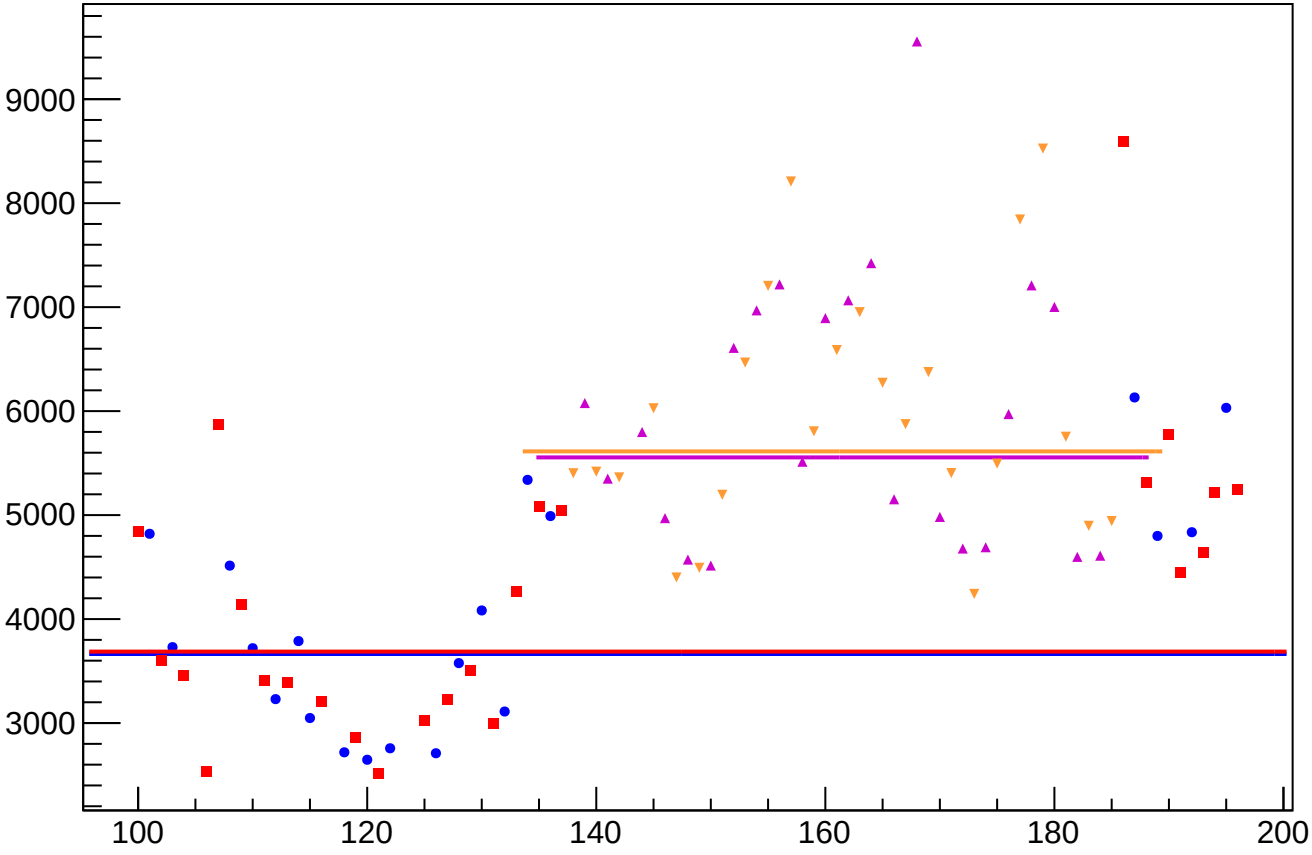
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -810.398+/-897.923 χ^2/NDF: 54.7/43

All: -153.578+/-618.830 χ^2/NDF: 103.4/91

- sign 440.613+/-854.042 χ^2/NDF: 47.6/47

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3664.196+/-0.859 χ^2/NDF: 1292956.3/19

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3687.367+/-0.789 χ^2/NDF: 1663763.6/24

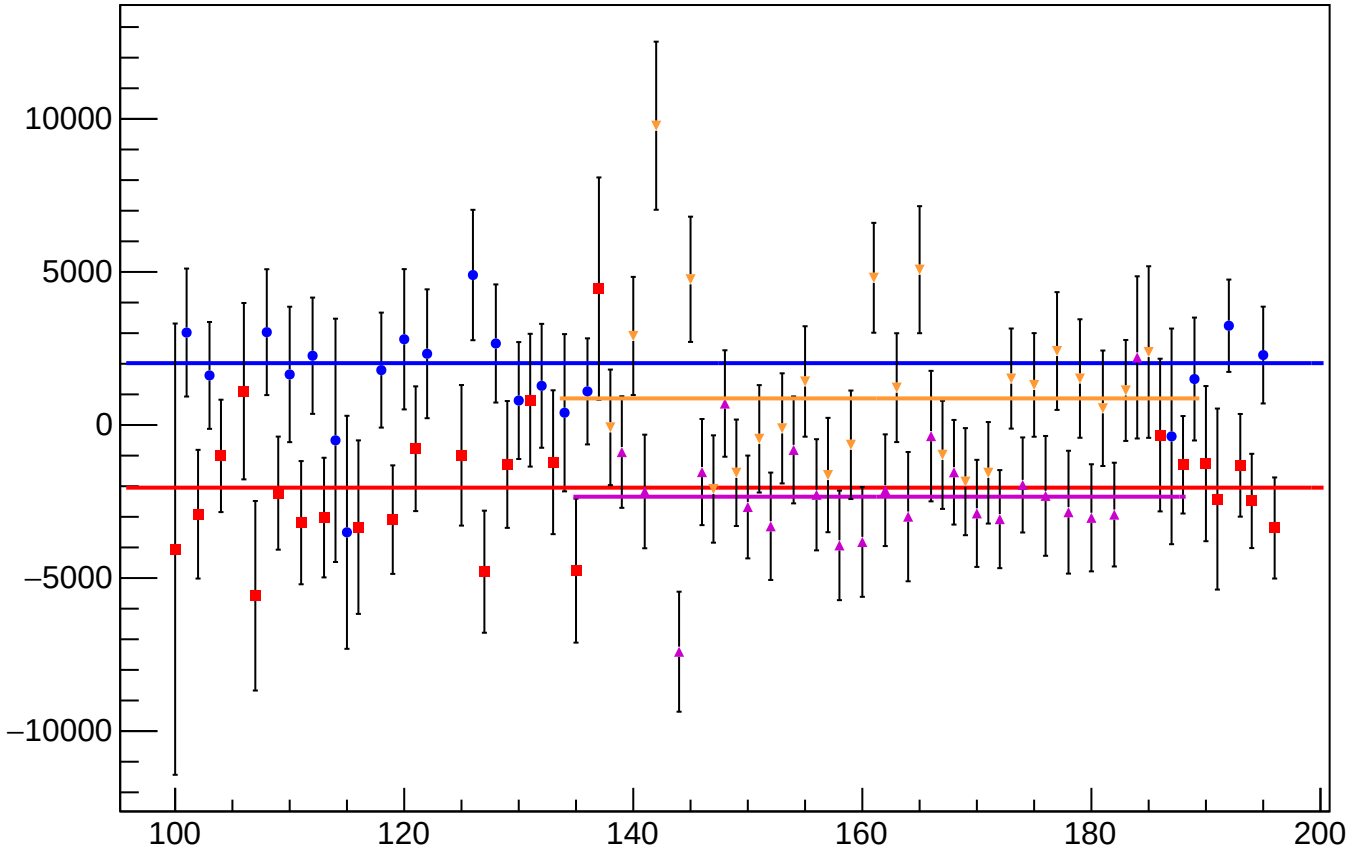
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4549.139+/-0.635 χ^2/NDF: 4815831.0/43

All: 4503.328+/-0.438 χ^2/NDF: 10143829.0/9

- sign 4461.886+/-0.604 χ^2/NDF: 5318082.8/47

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2020.756+/-458.013 χ^2/NDF: 7.6/19

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2047.009+/-424.658 χ^2/NDF: 14.9/24

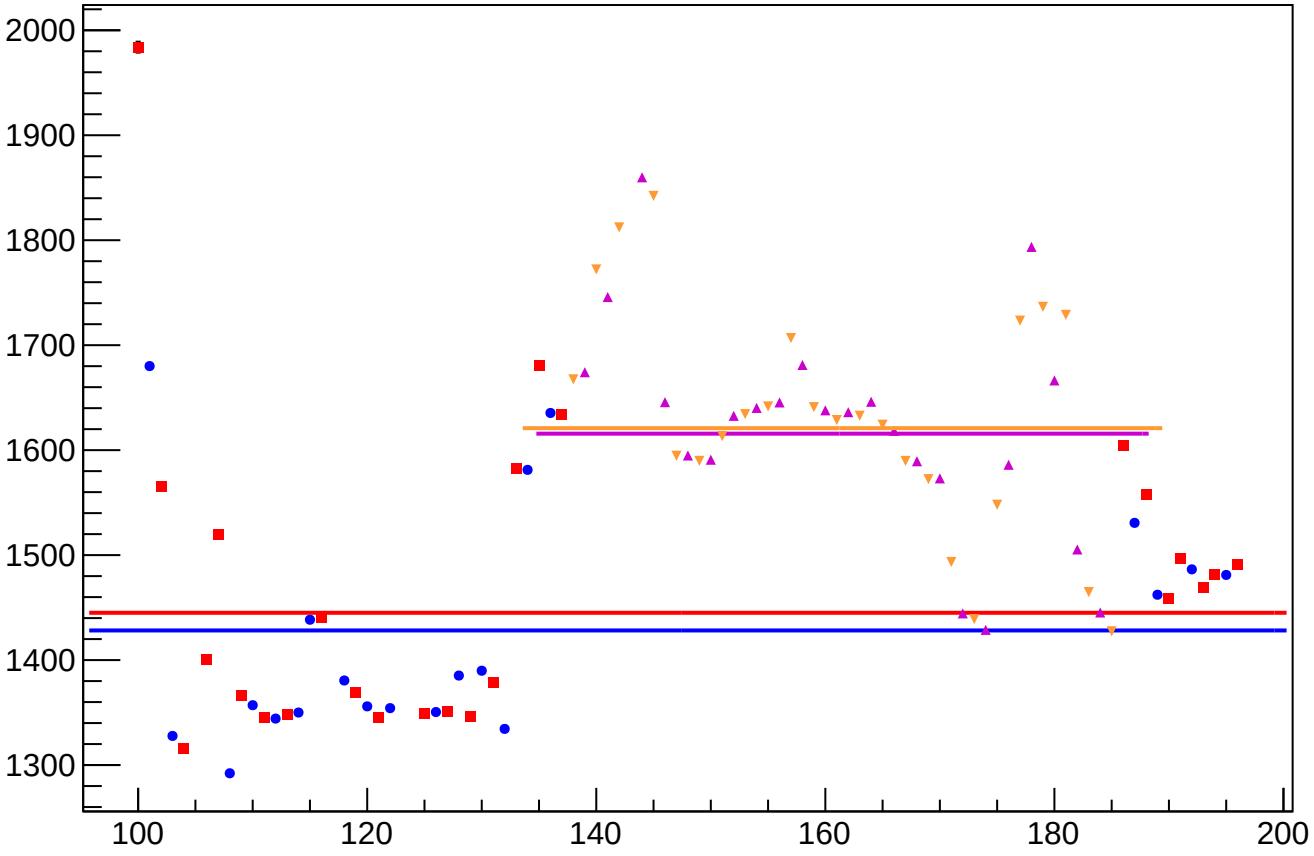
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1334.089+/-291.159 χ^2/NDF: 51.1/43

All: -492.985+/-202.711 χ^2/NDF: 160.8/91

- sign -2211.720+/-282.394 χ^2/NDF: 33.2/47

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.225+/-0.324 χ^2/NDF: 108871.3/19

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

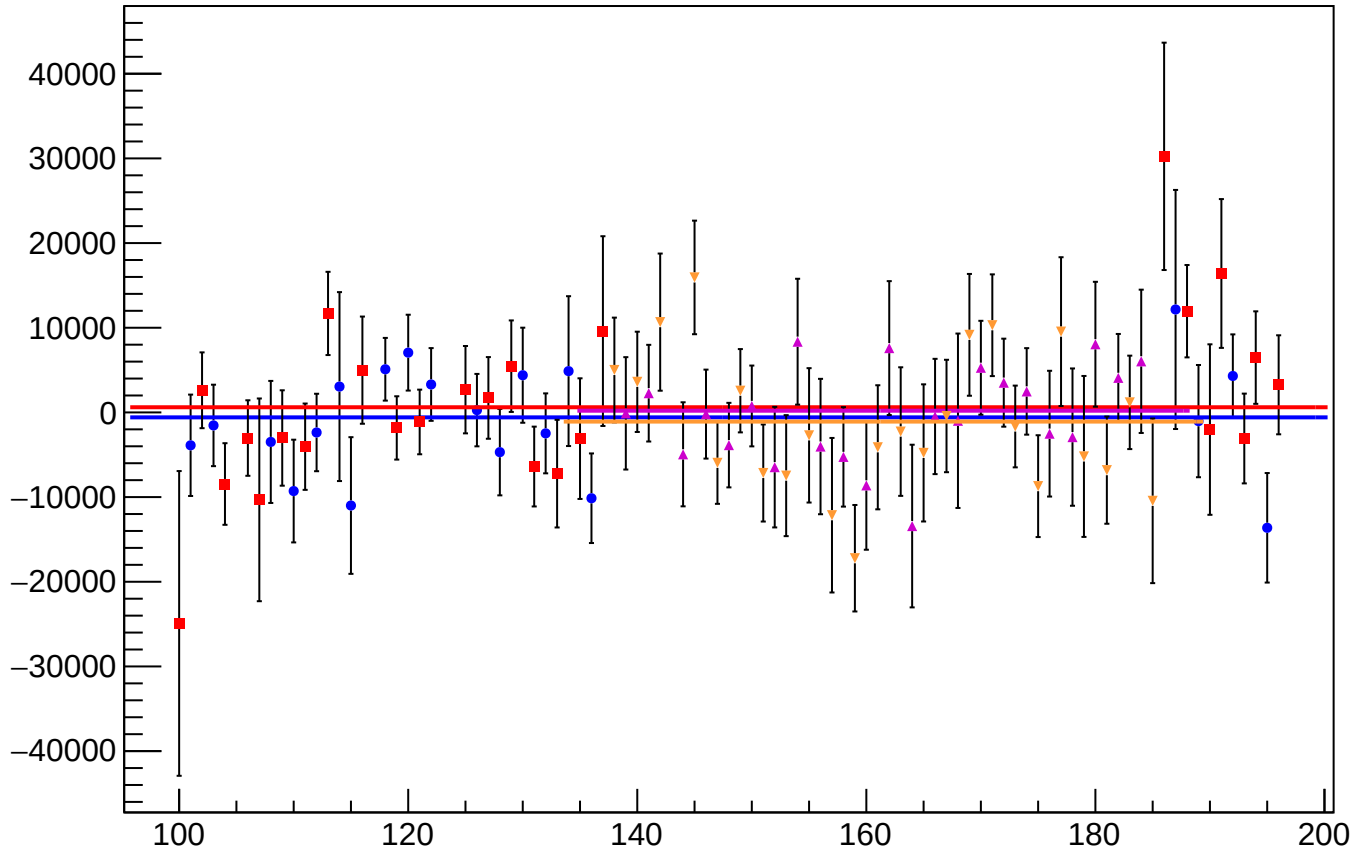
Right Out: 1445.073+/-0.300 χ^2/NDF: 119461.5/24

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1543.065+/-0.206 χ^2/NDF: 461869.8/43

All: 1541.538+/-0.143 χ^2/NDF: 899041.9/91

- sign 1540.104+/-0.200 χ^2/NDF: 437065.4/47



Right In: -584.217+/-1215.359 χ^2/NDF: 21.7/19

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

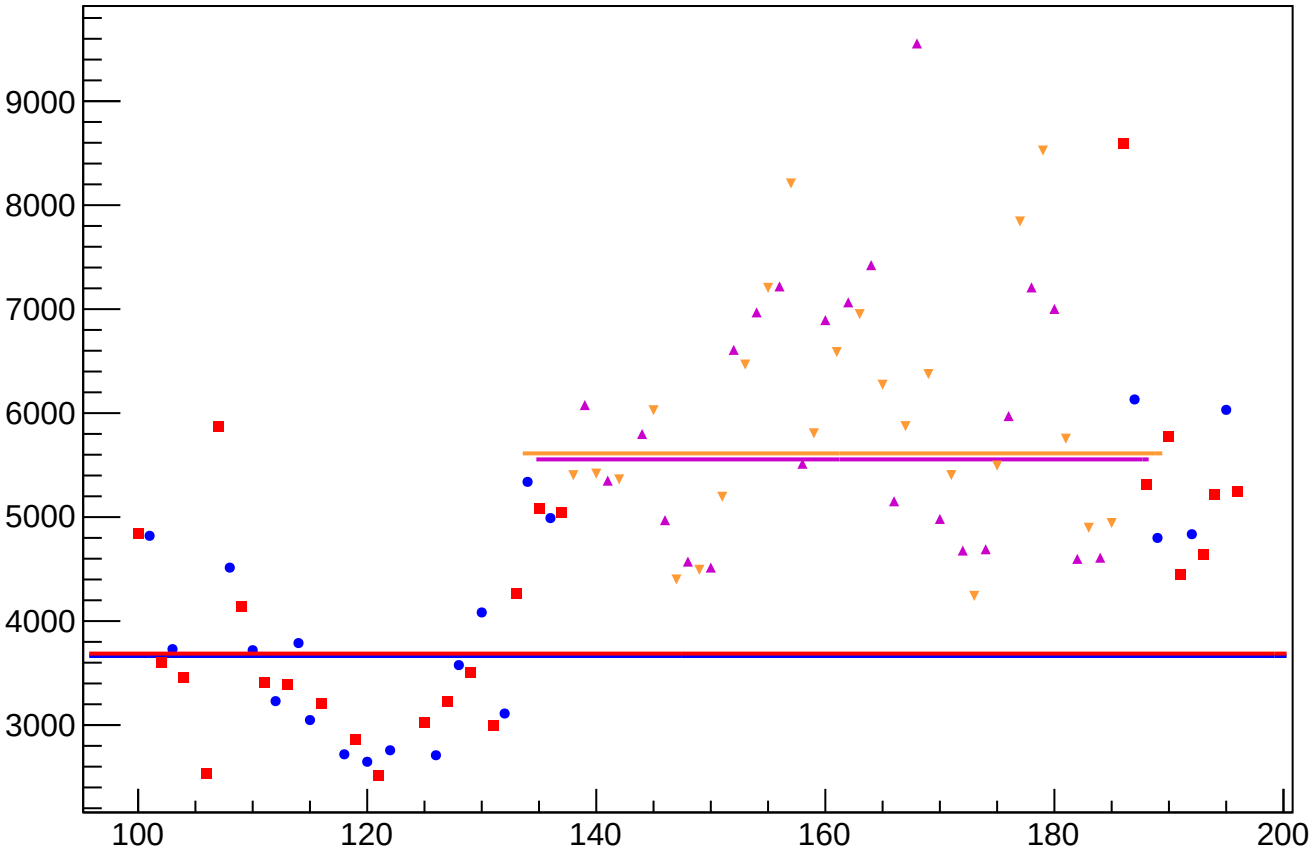
Right Out: 609.925+/-1116.342 χ^2/NDF: 34.7/24

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -810.396+/-897.923 χ^2/NDF: 54.7/43

All: -153.579+/-618.830 χ^2/NDF: 103.4/91

- sign 440.610+/-854.041 χ^2/NDF: 47.6/47



Right In: 3664.186+/-0.859 χ^2/NDF: 1292976.3/19

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3687.358+/-0.789 χ^2/NDF: 1663781.3/24

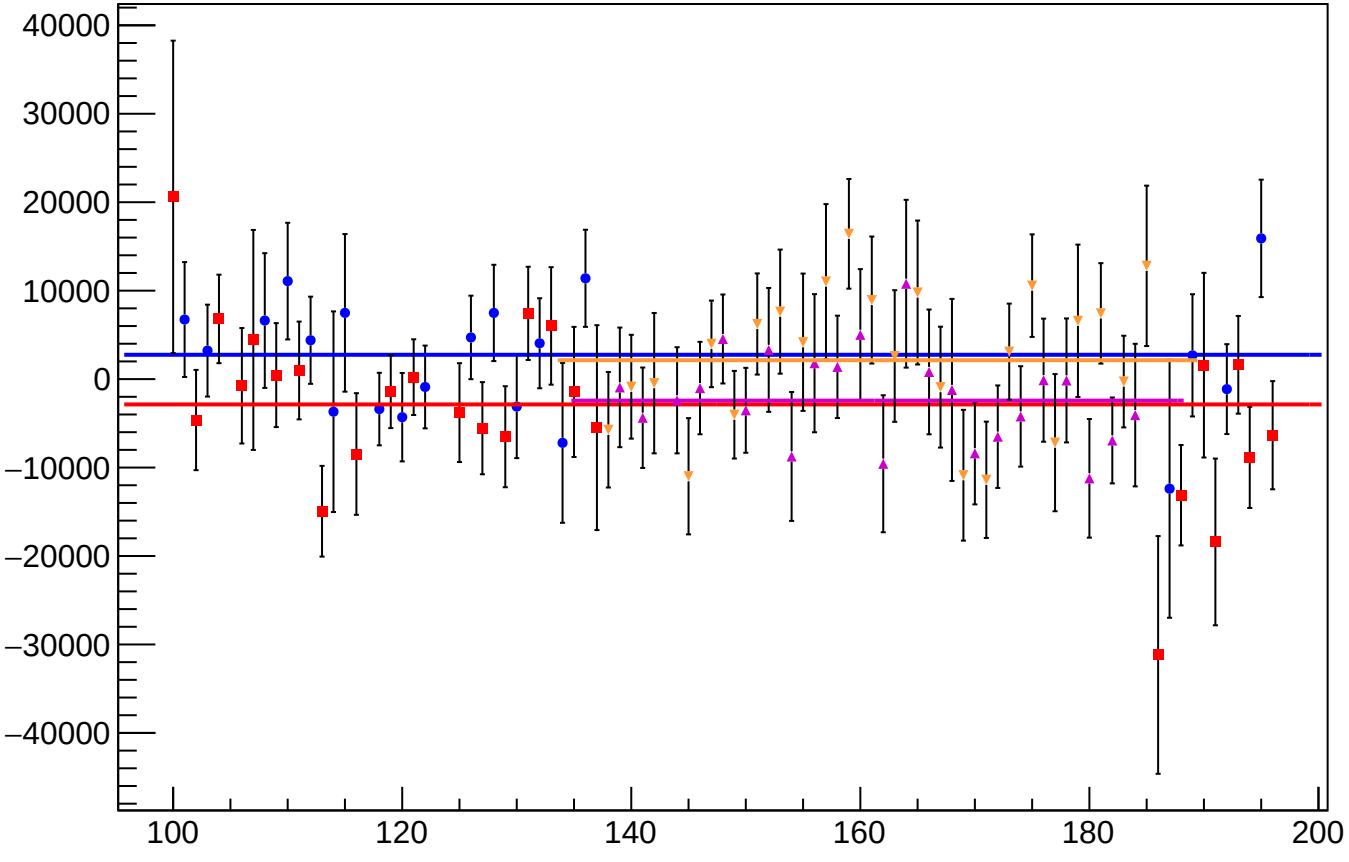
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4549.134+/-0.635 χ^2/NDF: 4815898.9/43

All: 4503.323+/-0.438 χ^2/NDF: 10143958.8/9

- sign 4461.881+/-0.604 χ^2/NDF: 5318144.7/47

asym_usl_atl2_avg_mean vs Slug



Right In: 2751.065+/-1305.365 χ^2/NDF: 19.1/19

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2862.821+/-1221.665 χ^2/NDF: 32.8/24

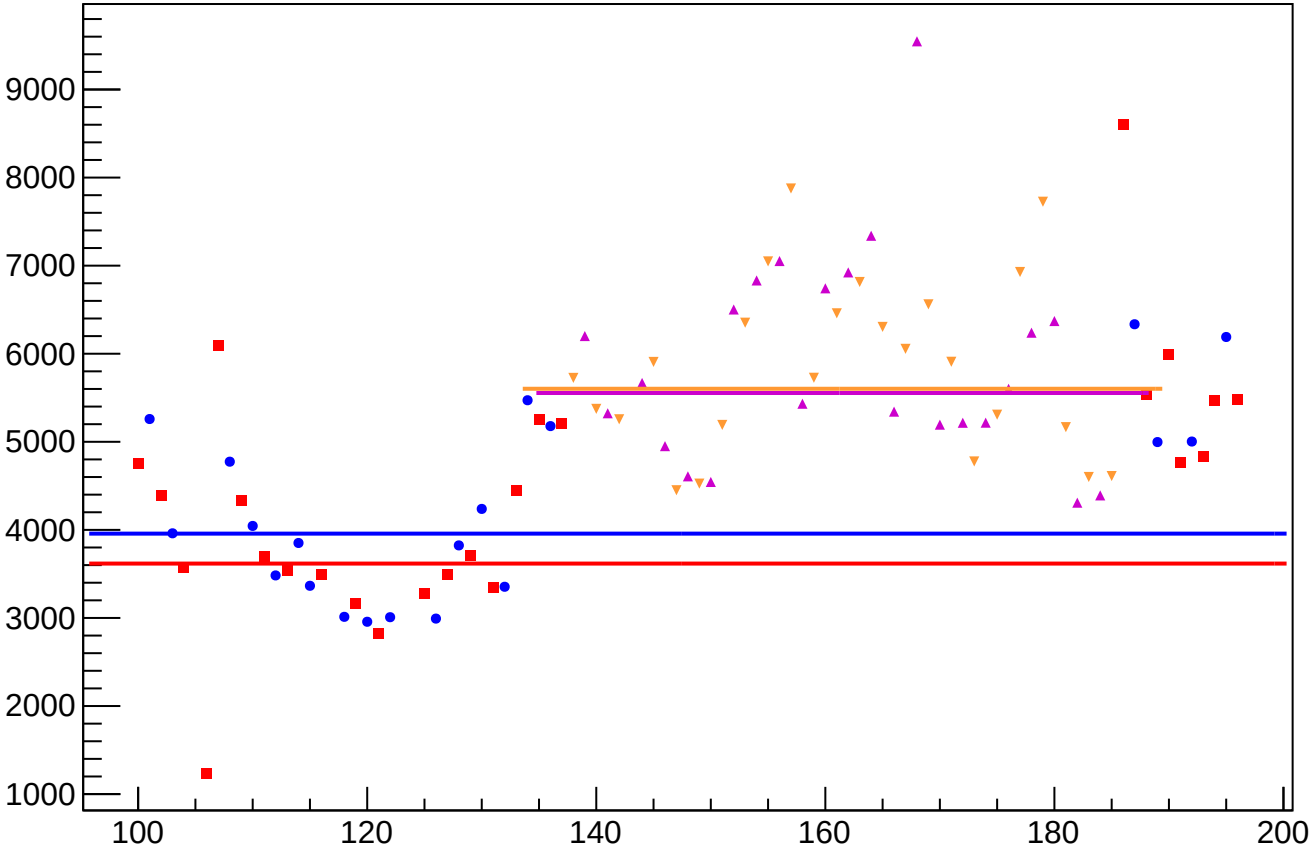
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2449.036+/-929.685 χ^2/NDF: 49.9/43

All: -198.298+/-645.497 χ^2/NDF: 111.2/91

- sign -2662.412+/-896.936 χ^2/NDF: 45.7/47

asym_usl_atl2_avg_rms vs Slug



Right In: 3957.431+/-0.923 χ^2/NDF: 1081456.0/19

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

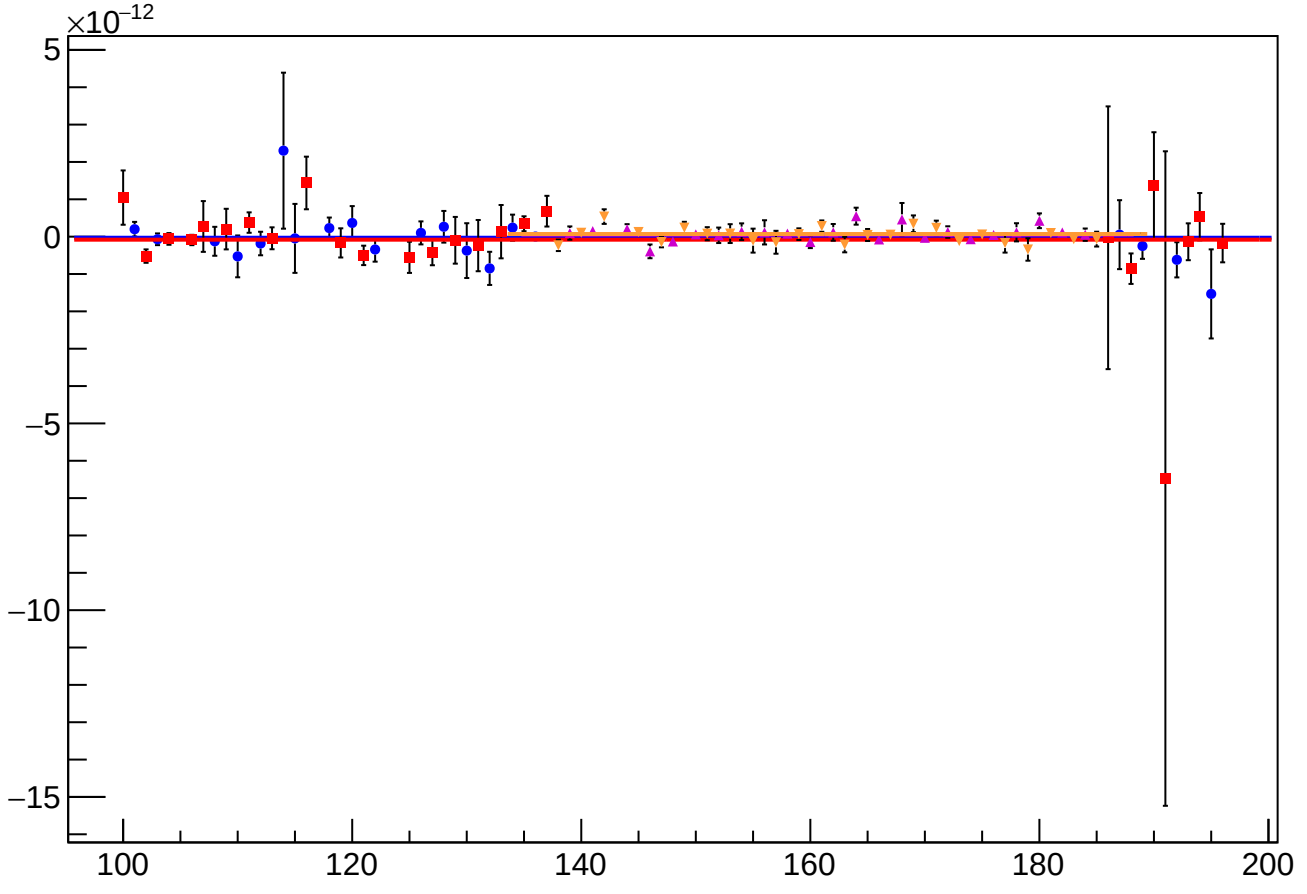
Right Out: 3617.373+/-0.806 χ^2/NDF: 2970725.5/24

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4767.950+/-0.657 χ^2/NDF: 3586685.9/43

All: 4593.552+/-0.447 χ^2/NDF: 10265619.6/9

- sign 4443.361+/-0.610 χ^2/NDF: 6547945.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

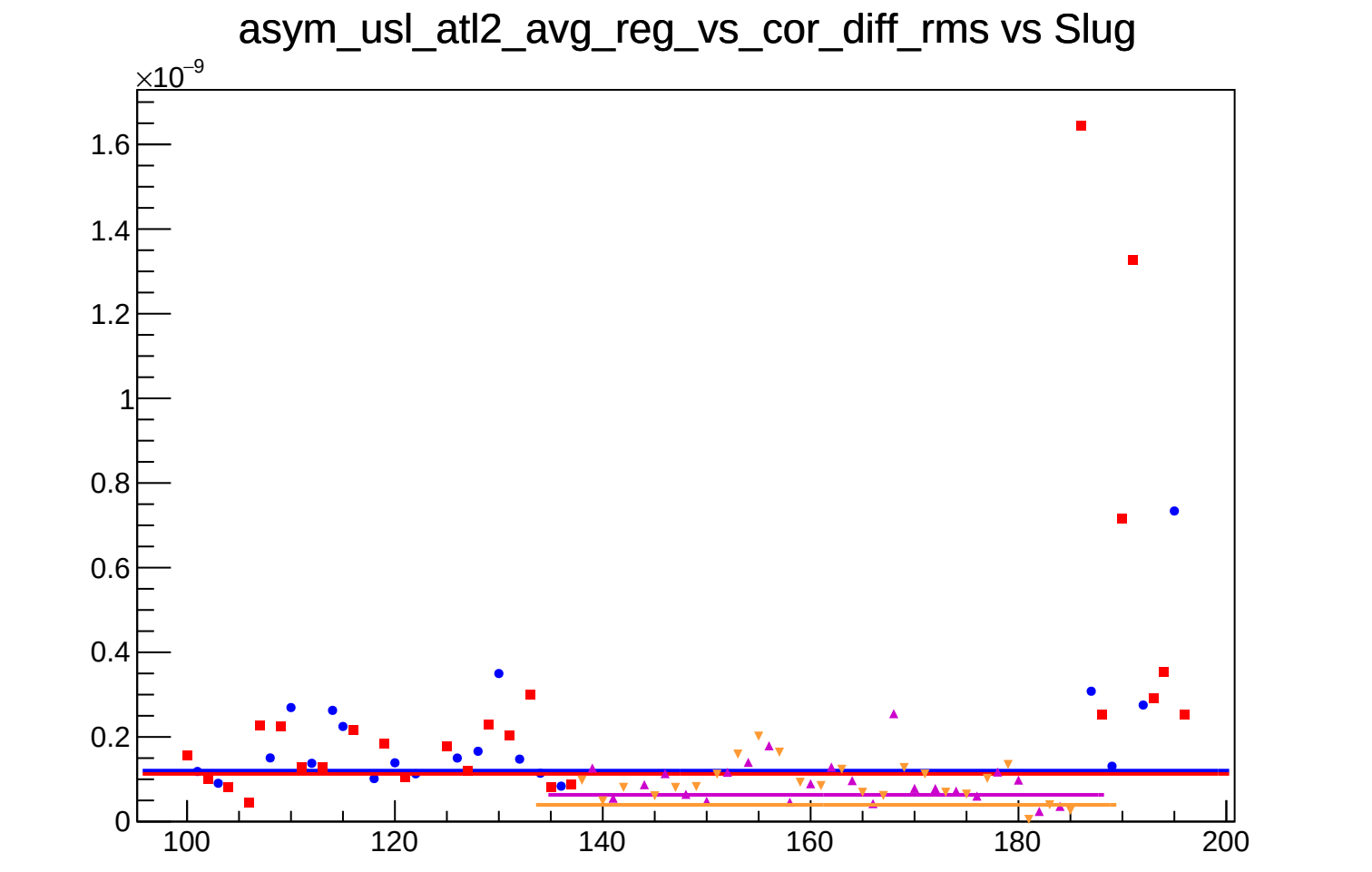
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/24

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/43

All: 0.000+/-0.000 χ^2/NDF: 110.7/91

- sign 0.000+/-0.000 χ^2/NDF: 64.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 1506329.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2896372.9/24

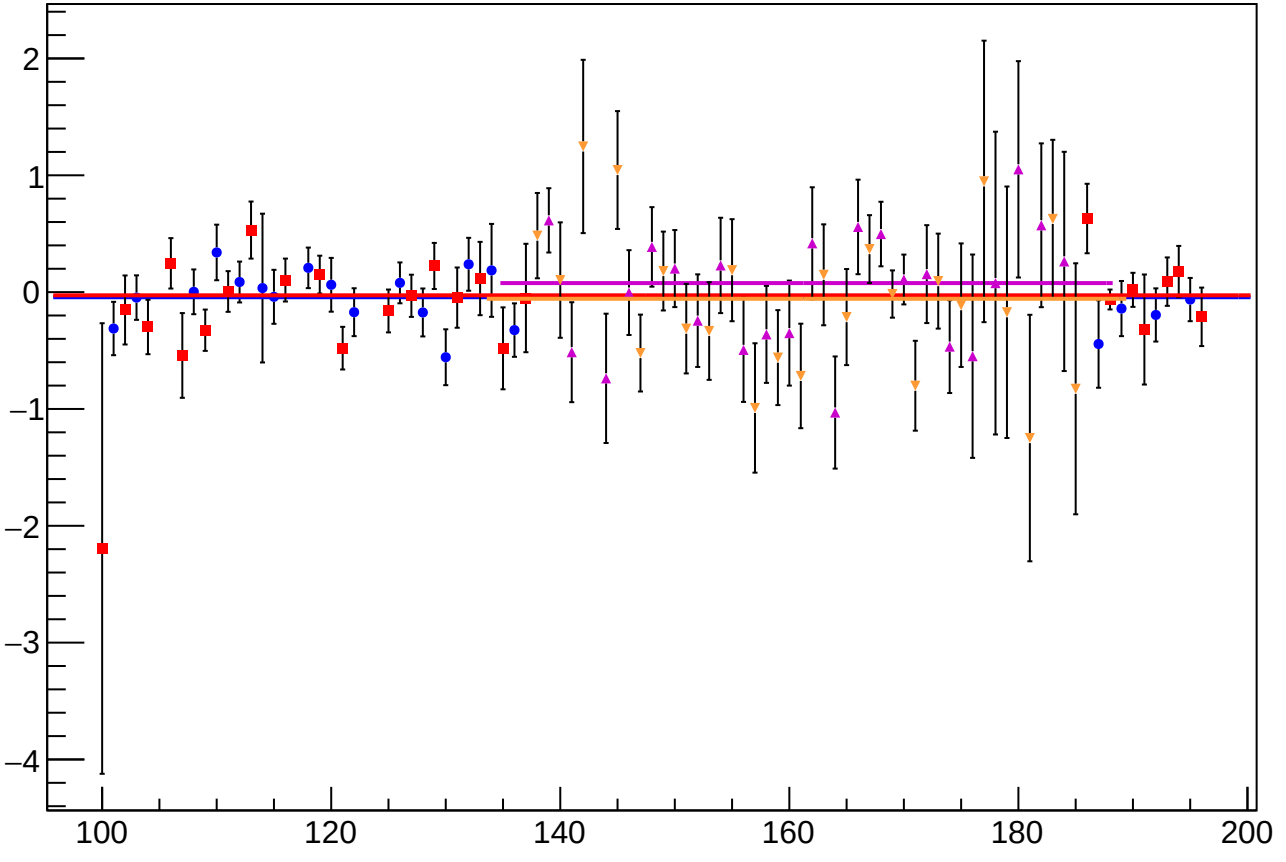
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11017712.3/43

All: 0.000+/-0.000 χ^2/NDF: 18905791.1/91

- sign 0.000+/-0.000 χ^2/NDF: 6839968.1/47

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

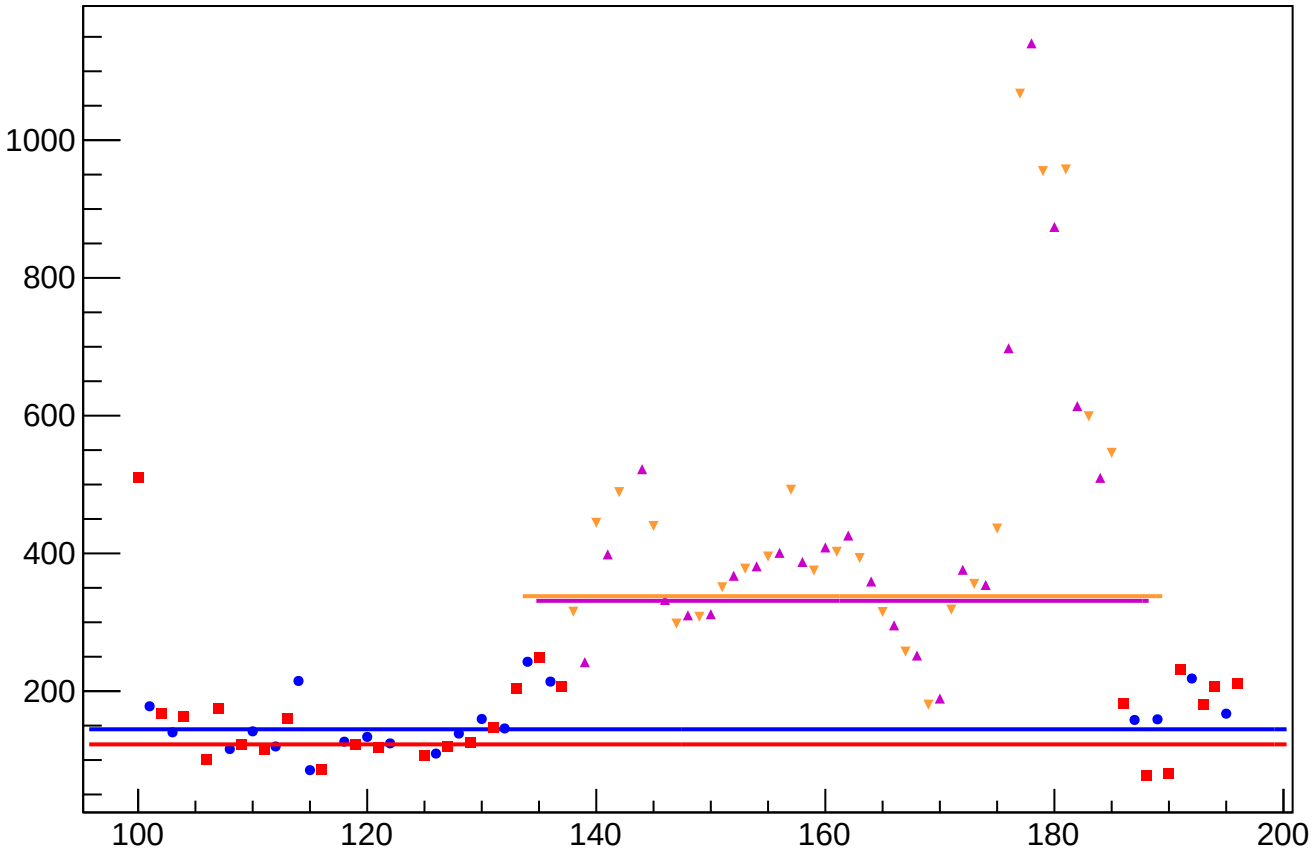
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.024+/-0.028 χ^2/NDF: 110.9/91

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

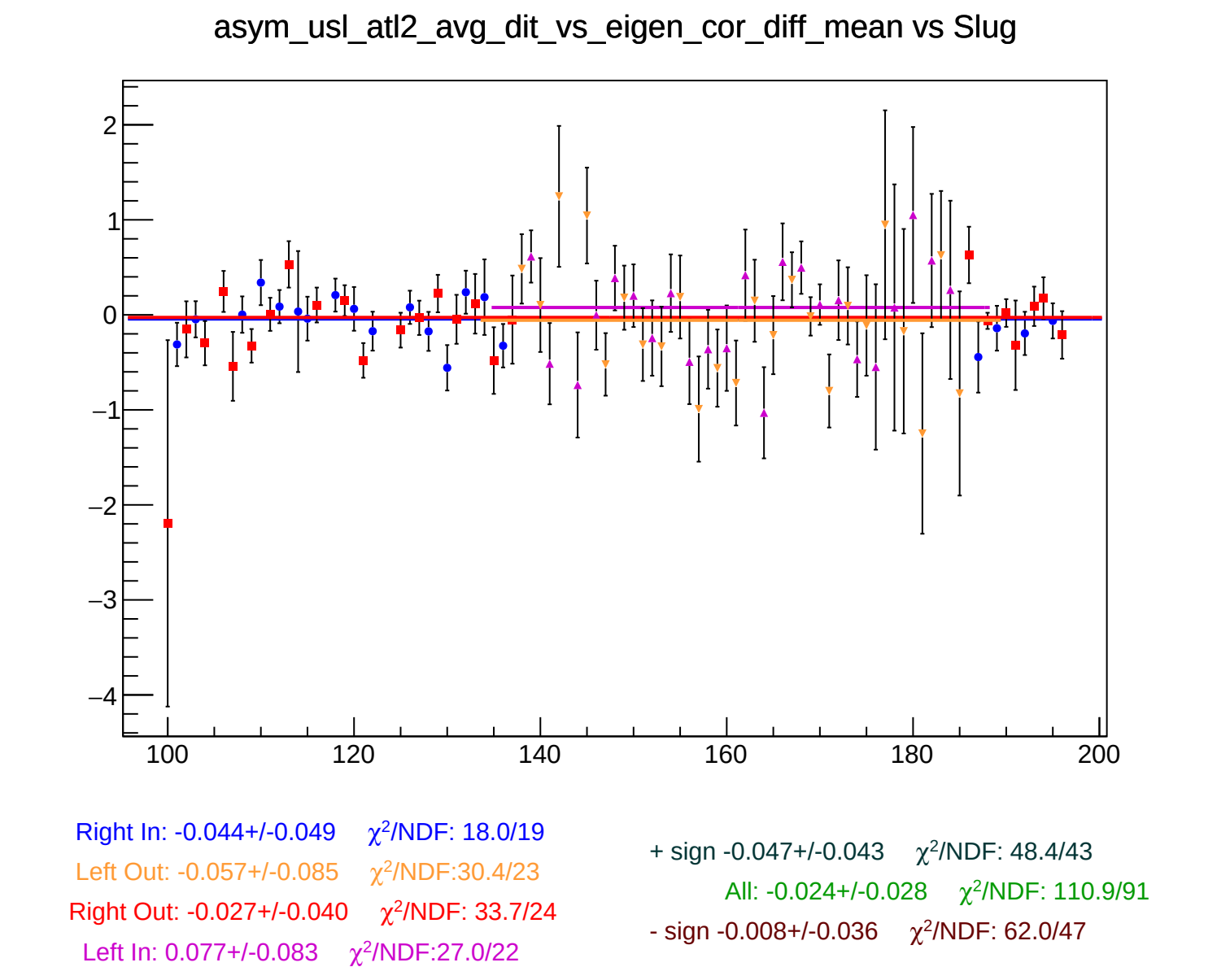
Right Out: 122.750+/-0.028 χ^2/NDF: 2498474.2/24

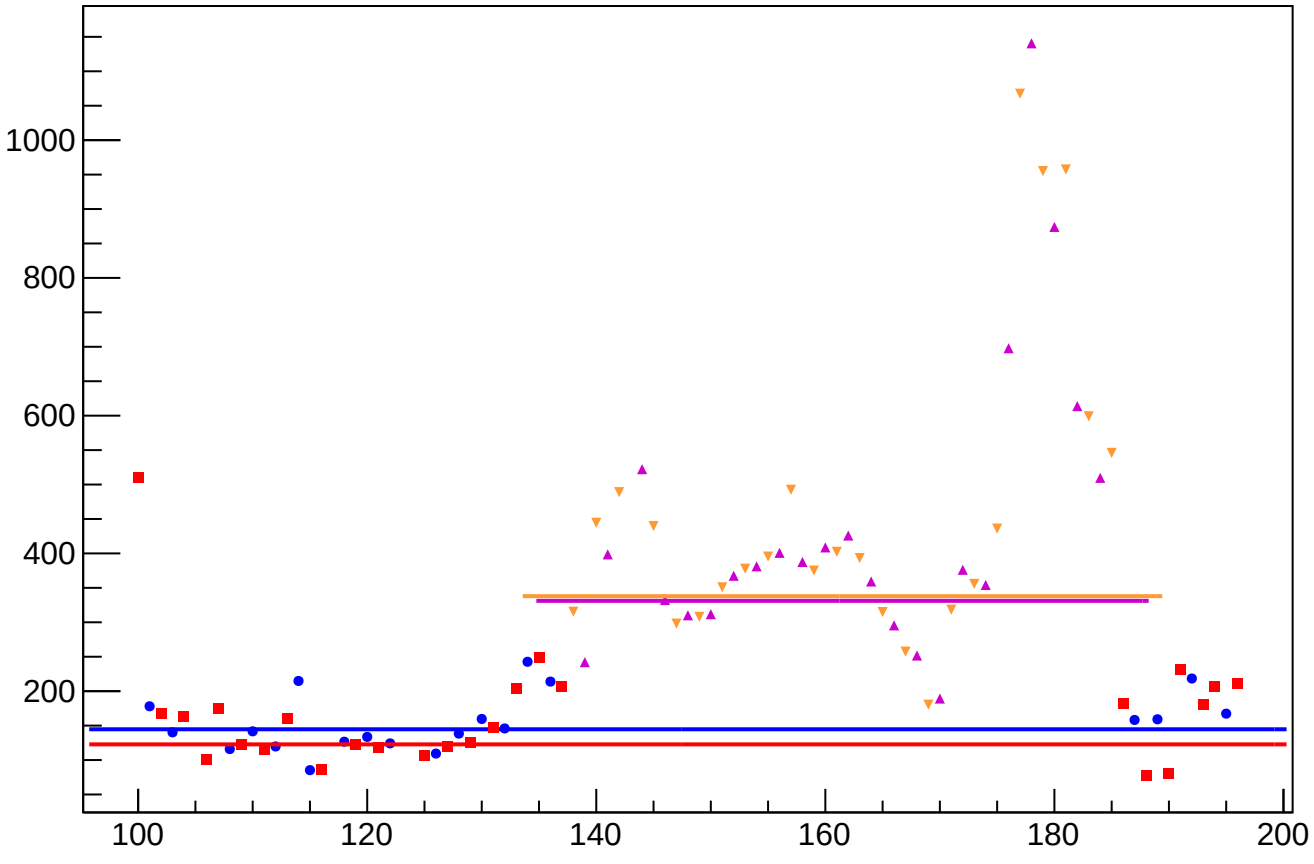
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181332.7/43

All: 174.709+/-0.019 χ^2/NDF: 30546251.0/91

- sign 161.787+/-0.026 χ^2/NDF: 16751748.1/47


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.044+/-0.049 χ²/NDF: 18.0/19
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: -0.027+/-0.040 χ²/NDF: 33.7/24
Left In: 0.077+/-0.083 χ²/NDF:27.0/22
+ sign -0.047+/-0.043 χ²/NDF: 48.4/43
All: -0.024+/-0.028 χ²/NDF: 110.9/91
- sign -0.008+/-0.036 χ²/NDF: 62.0/47



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

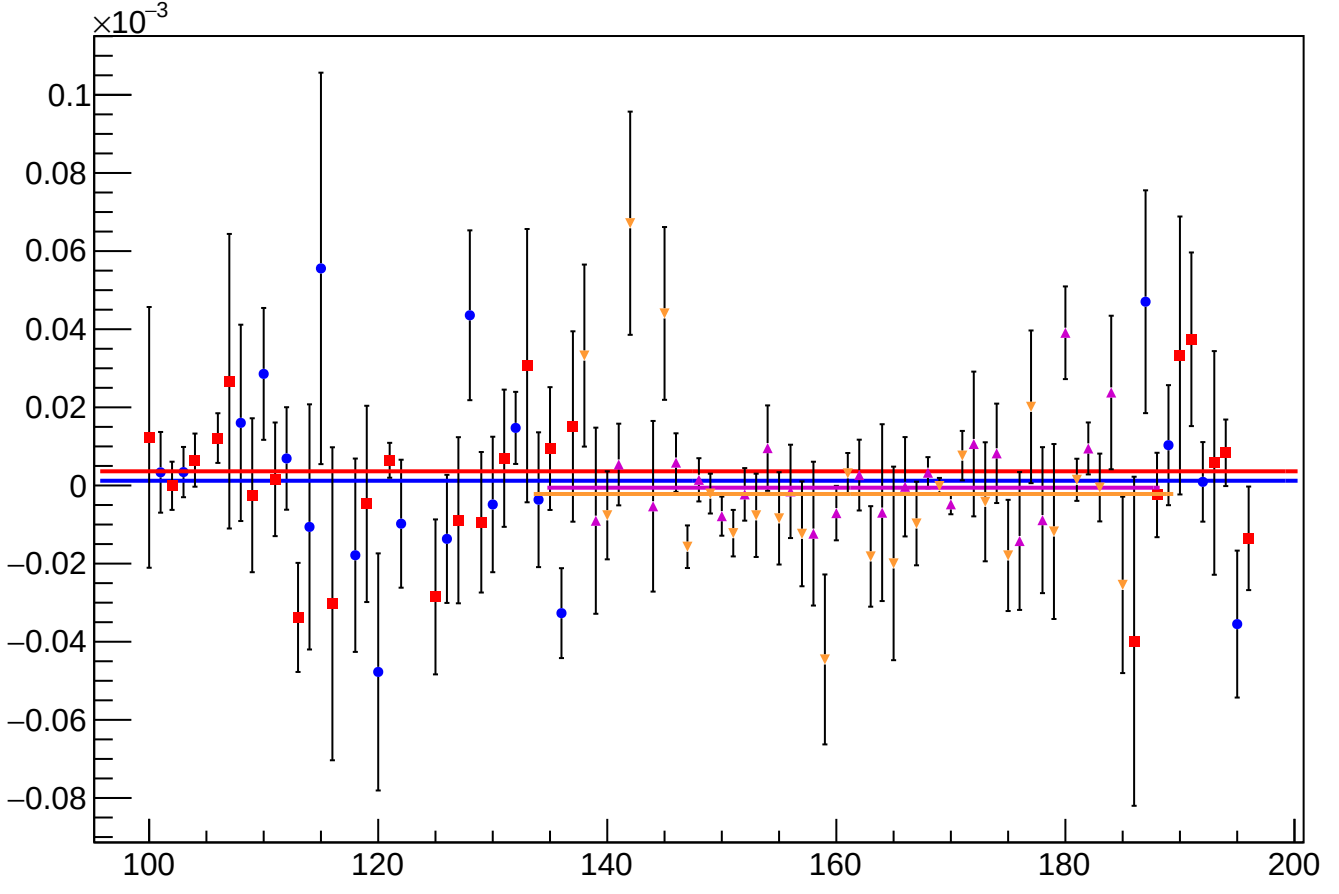
Right Out: 122.750+/-0.028 χ^2/NDF: 2498474.2/24

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181332.7/43

All: 174.709+/-0.019 χ^2/NDF: 30546251.0/91

- sign 161.787+/-0.026 χ^2/NDF: 16751748.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

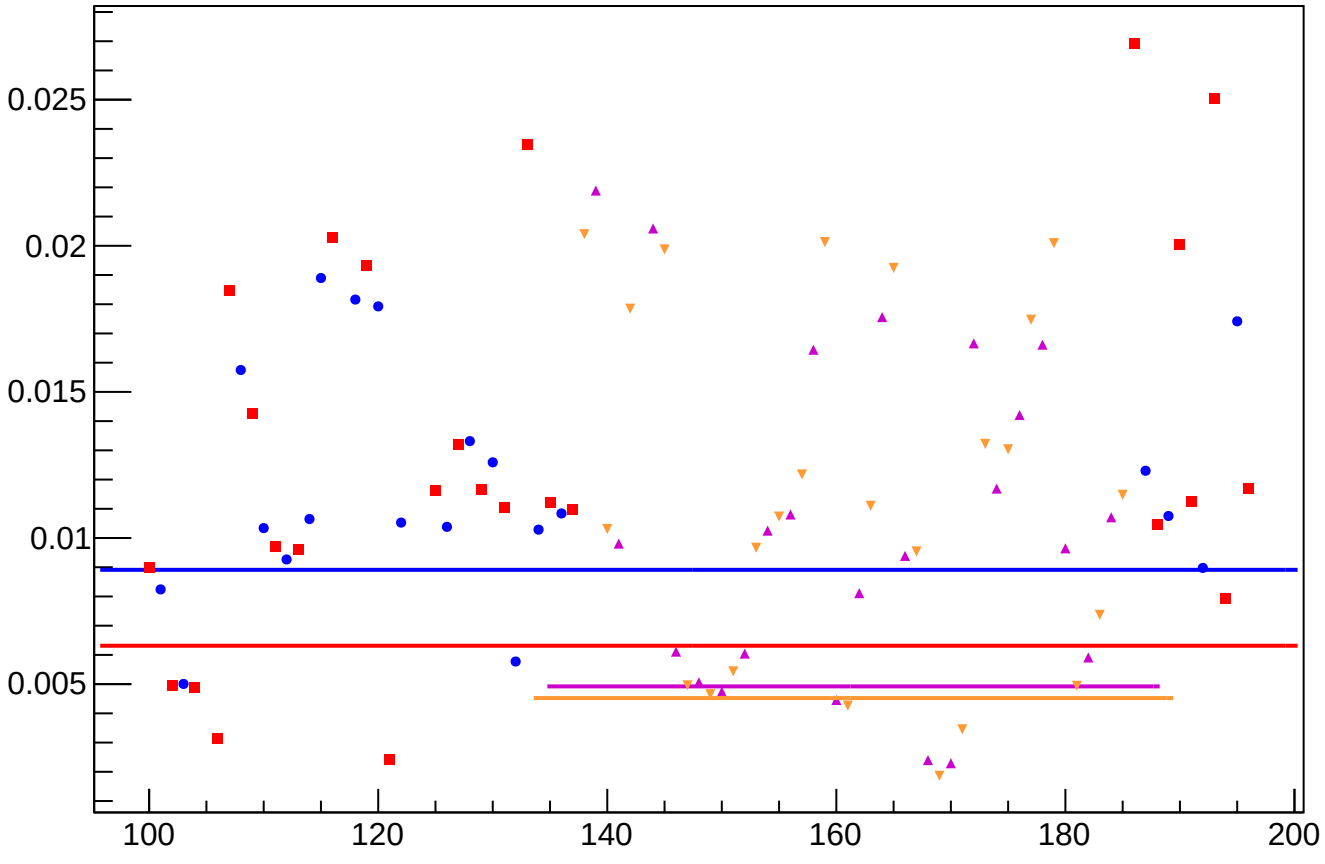
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/24

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.5/43

All: -0.000+/-0.000 χ^2/NDF: 121.9/91

- sign 0.000+/-0.000 χ^2/NDF: 50.7/47



Right In: 0.009+/-0.000 χ^2/NDF: 2423805.4/19

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

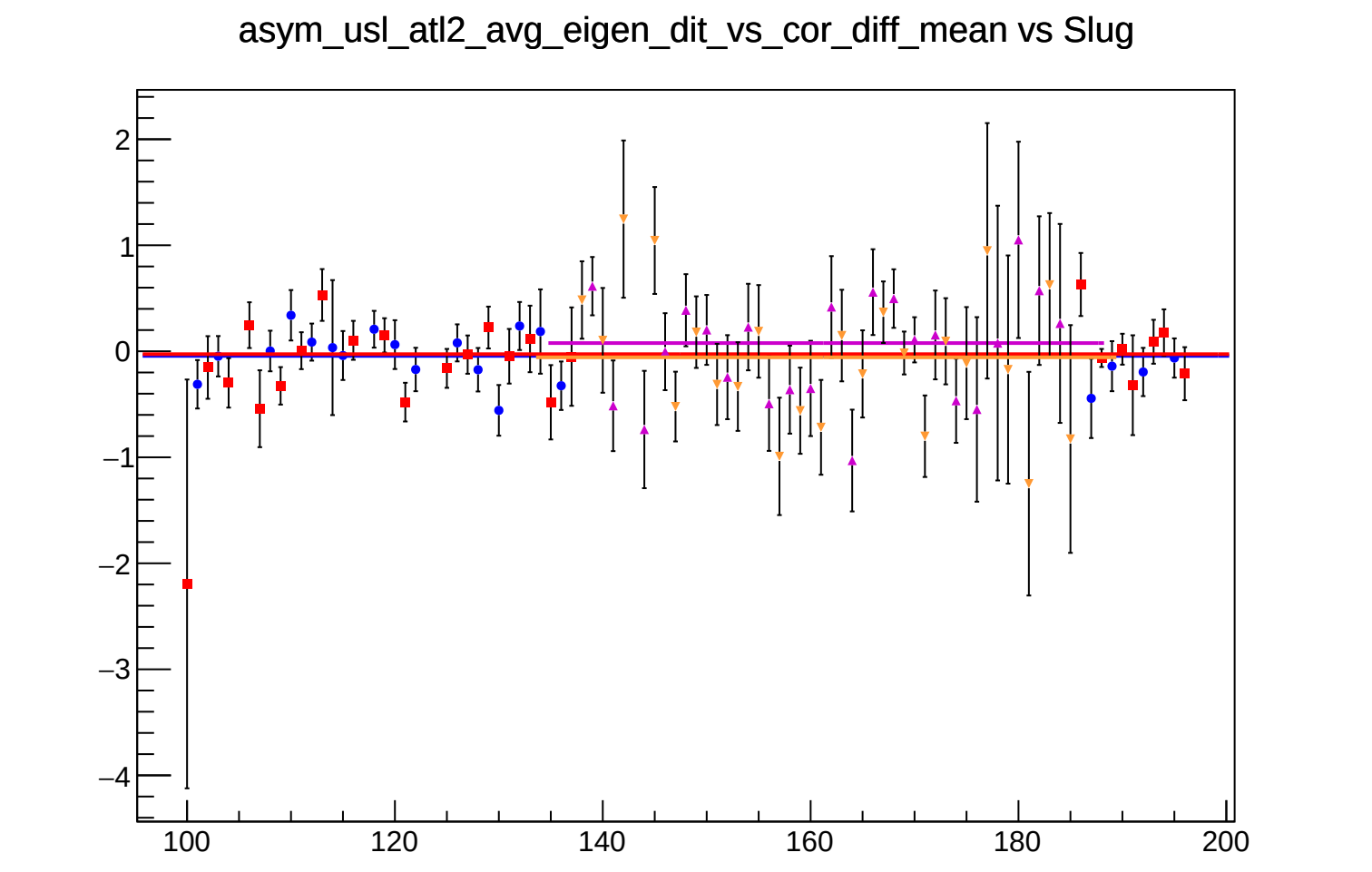
Right Out: 0.006+/-0.000 χ^2/NDF: 7599930.3/24

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 19936609.7/43

All: 0.005+/-0.000 χ^2/NDF: 39682717.1/91

- sign 0.005+/-0.000 χ^2/NDF: 19742119.6/47



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

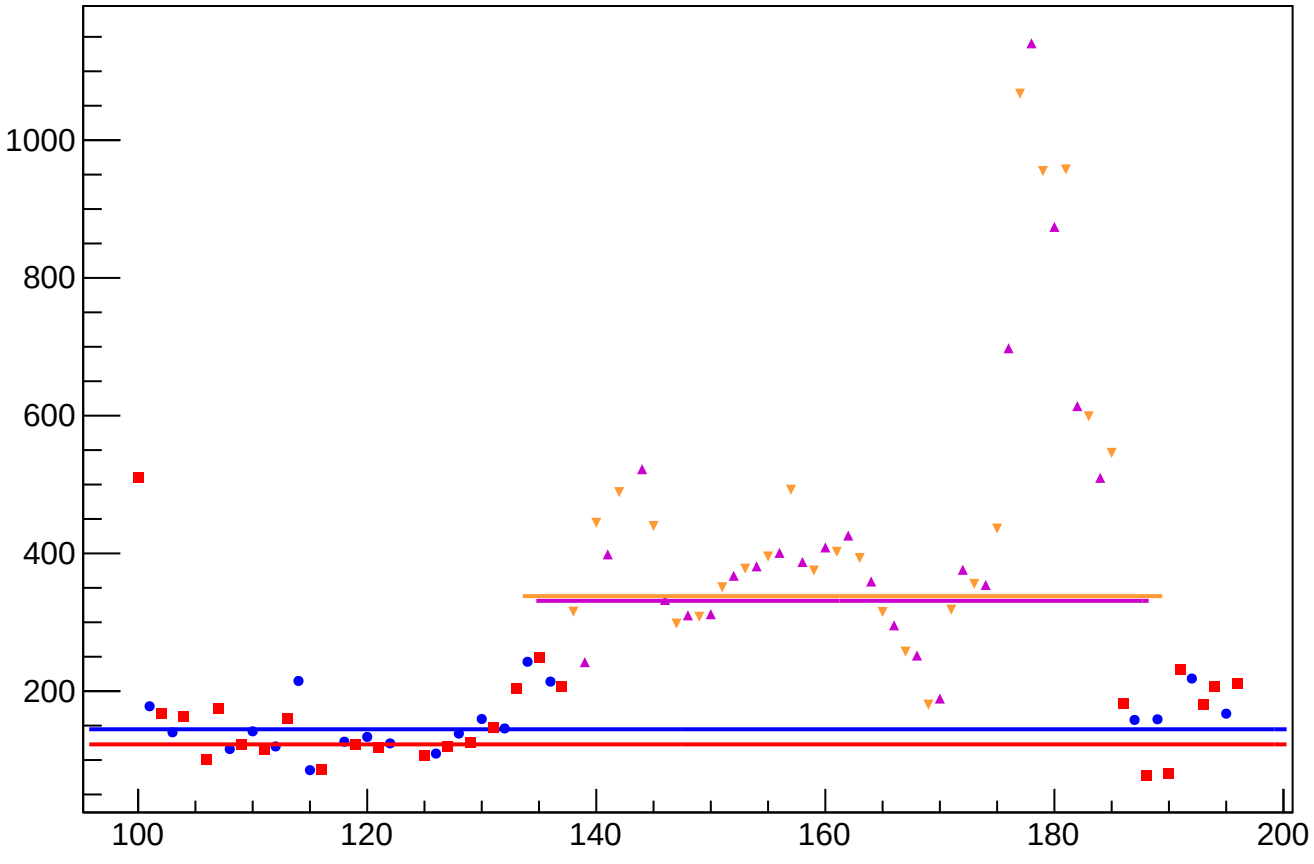
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.024+/-0.028 χ^2/NDF: 110.9/91

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

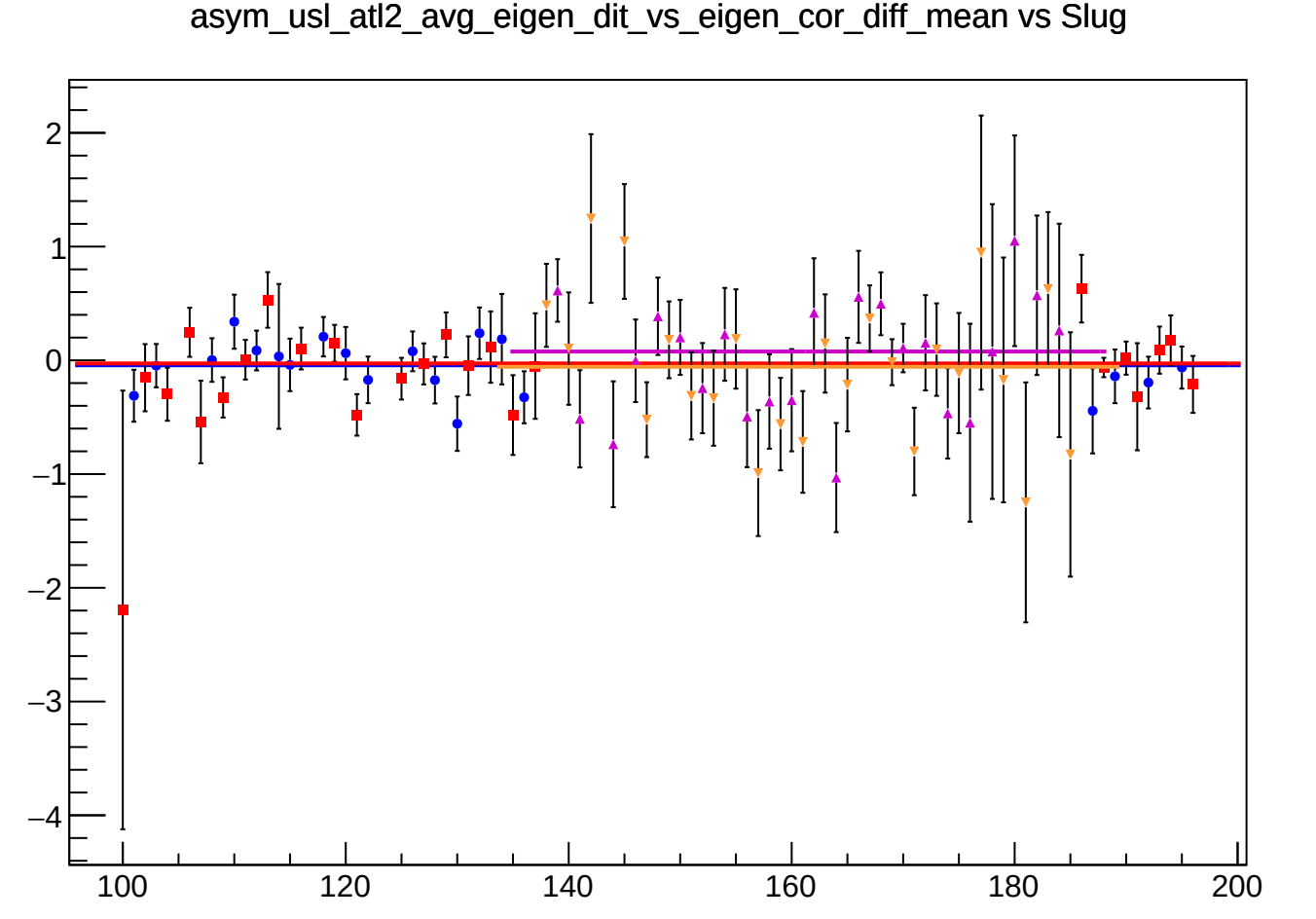
Right Out: 122.748+/-0.028 χ^2/NDF: 2498563.3/24

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181439.6/43

All: 174.707+/-0.019 χ^2/NDF: 30546903.9/91

- sign 161.785+/-0.026 χ^2/NDF: 16752199.0/47



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

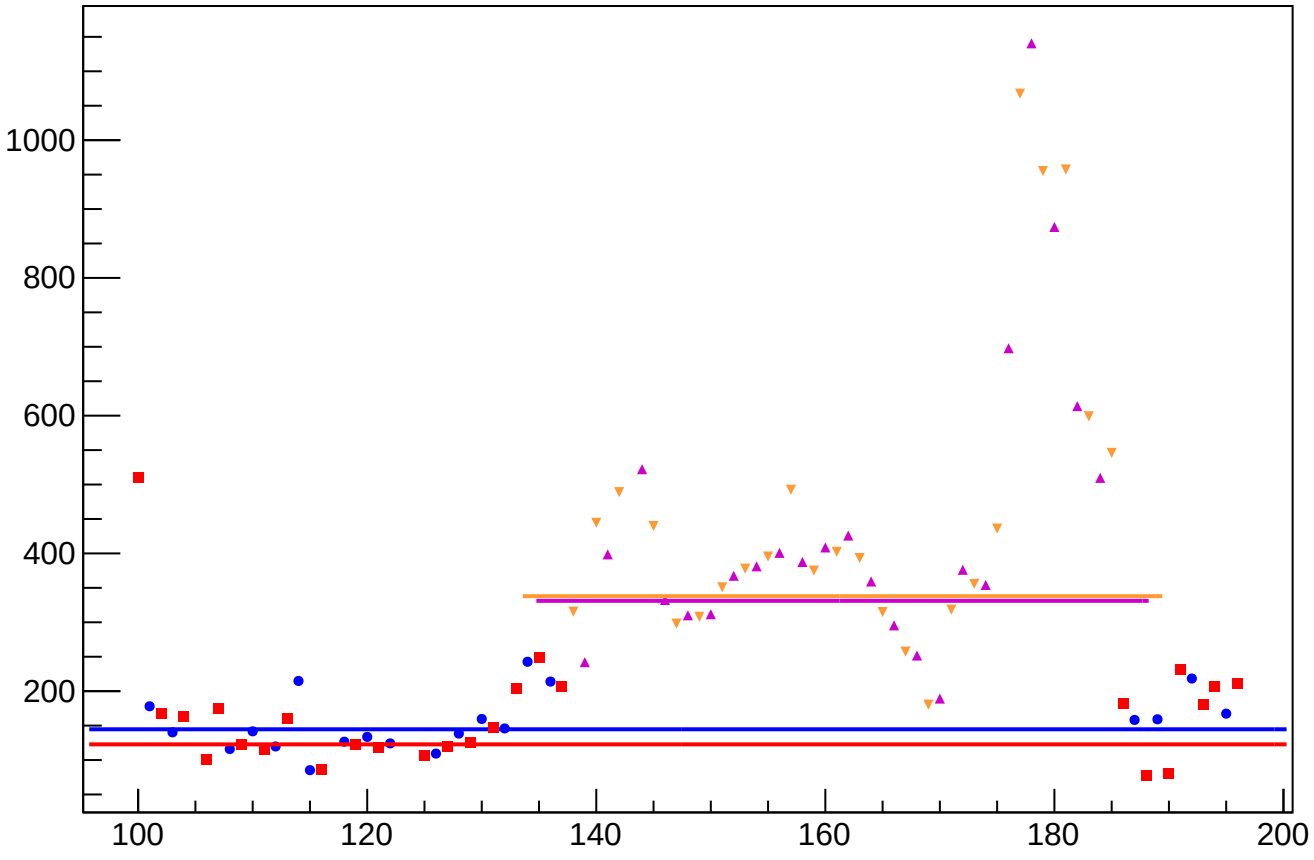
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.024+/-0.028 χ^2/NDF: 110.9/91

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

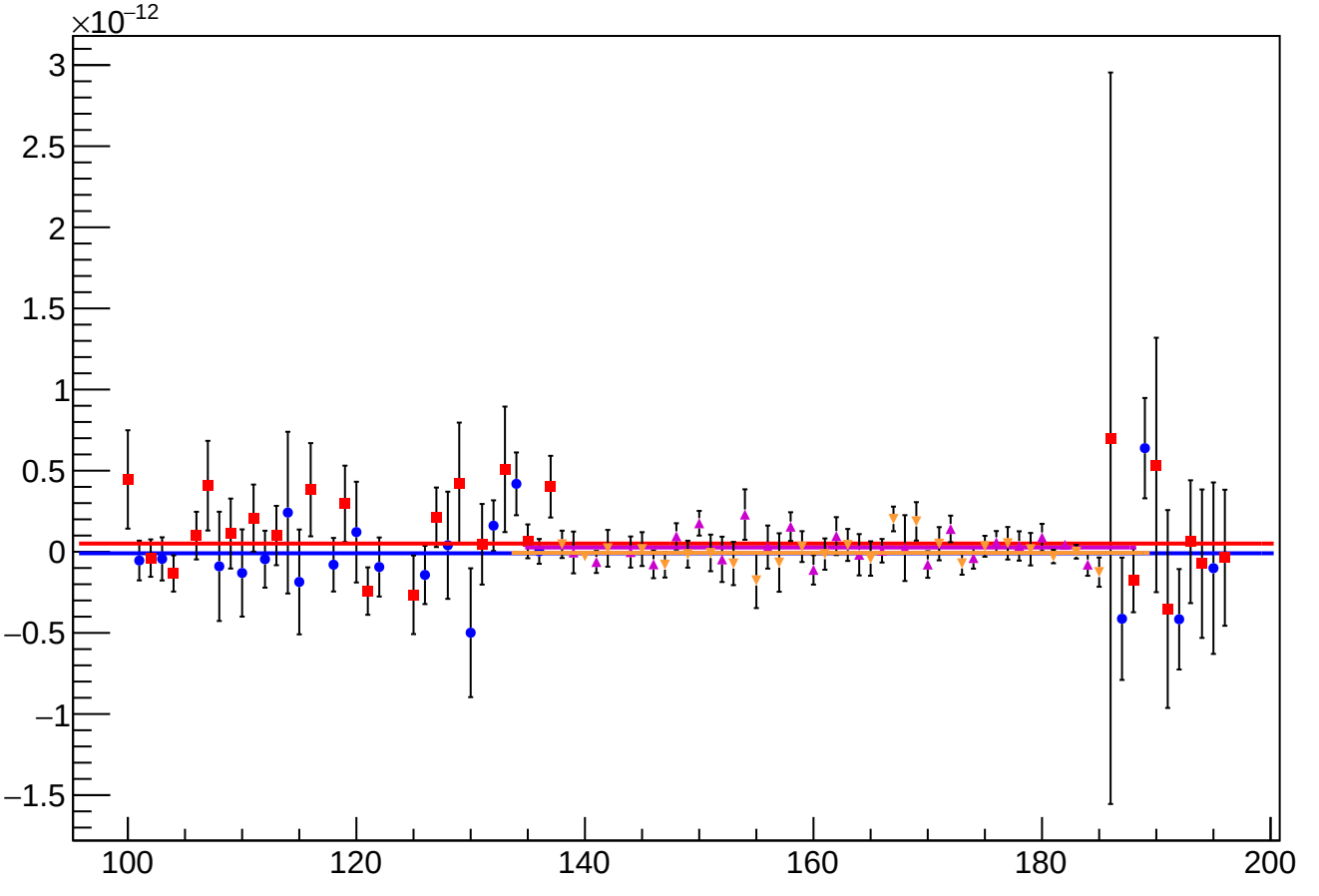
Right Out: 122.748+/-0.028 χ^2/NDF: 2498563.3/24

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181439.6/43

All: 174.707+/-0.019 χ^2/NDF: 30546903.9/91

- sign 161.785+/-0.026 χ^2/NDF: 16752199.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

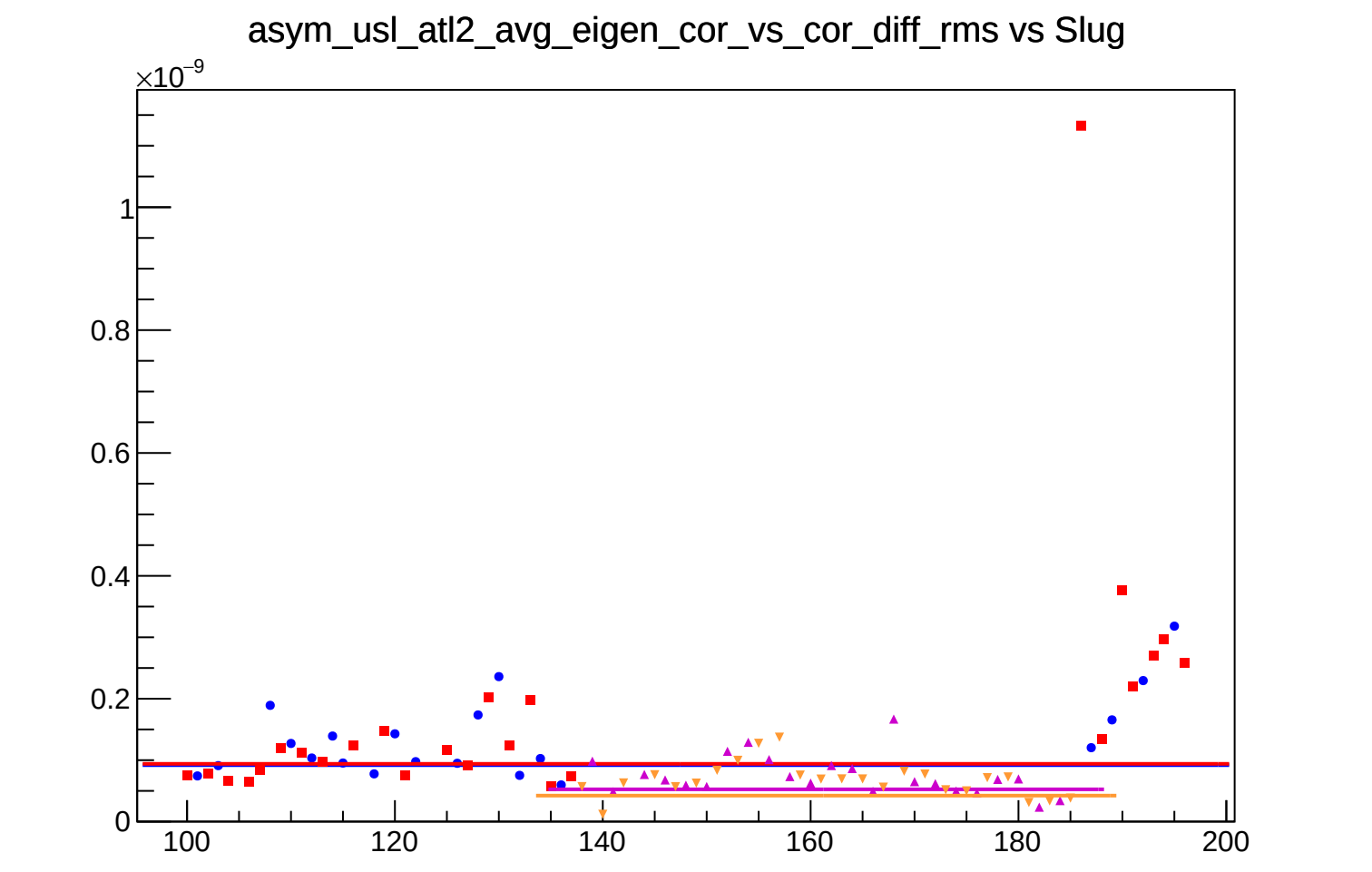
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/43

All: 0.000+/-0.000 χ^2/NDF: 86.3/91

- sign 0.000+/-0.000 χ^2/NDF: 47.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 1996475.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3062813.8/24

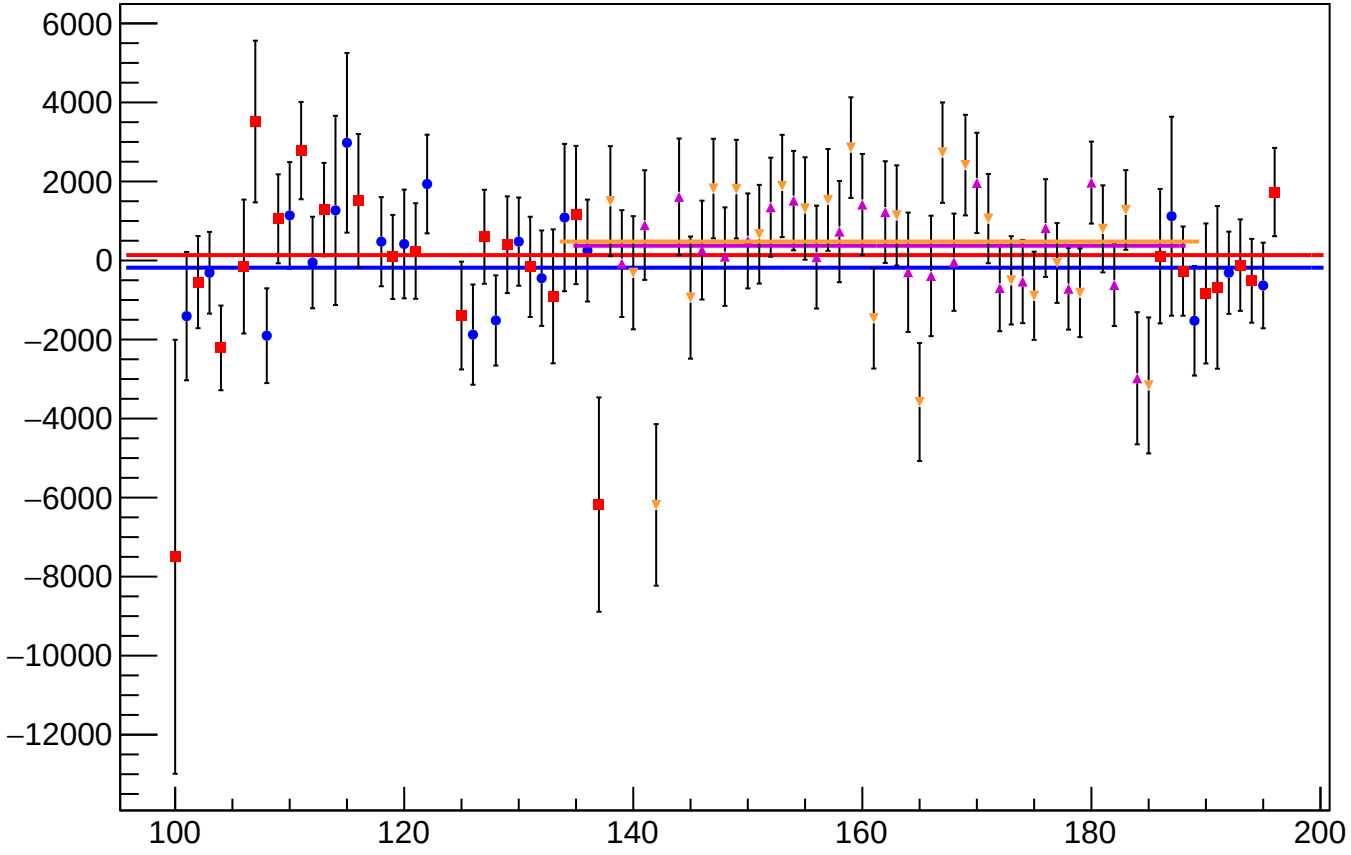
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11248650.6/43

All: 0.000+/-0.000 χ^2/NDF: 21613533.3/91

- sign 0.000+/-0.000 χ^2/NDF: 9803657.7/47

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -181.901+/-290.484 χ^2/NDF: 14.9/19

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 136.426+/-269.417 χ^2/NDF: 27.4/24

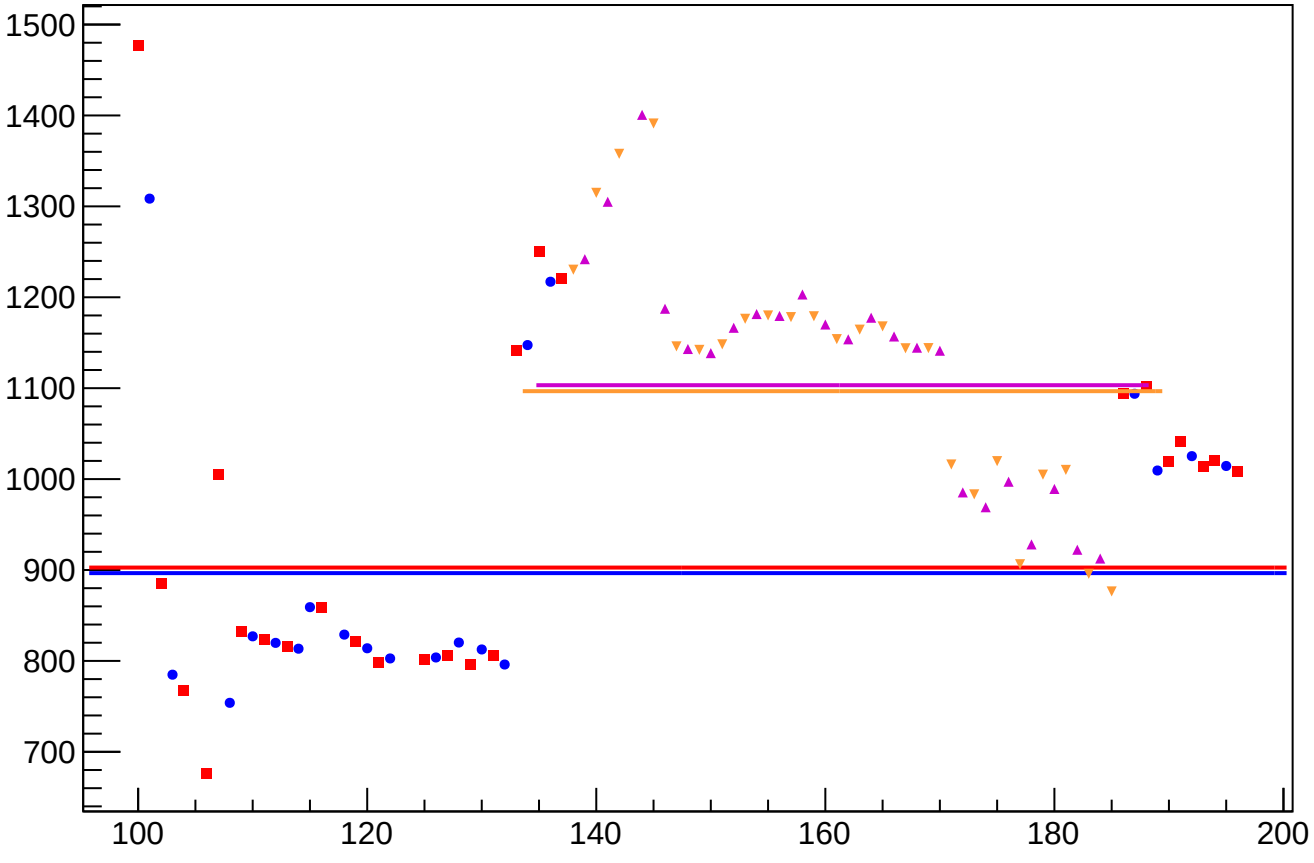
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 189.981+/-192.199 χ^2/NDF: 62.9/43

All: 225.567+/-133.967 χ^2/NDF: 106.9/91

- sign 259.193+/-186.832 χ^2/NDF: 43.9/47

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 896.573+/-0.205 χ^2/NDF: 507685.1/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.681+/-0.189 χ^2/NDF: 538848.6/24

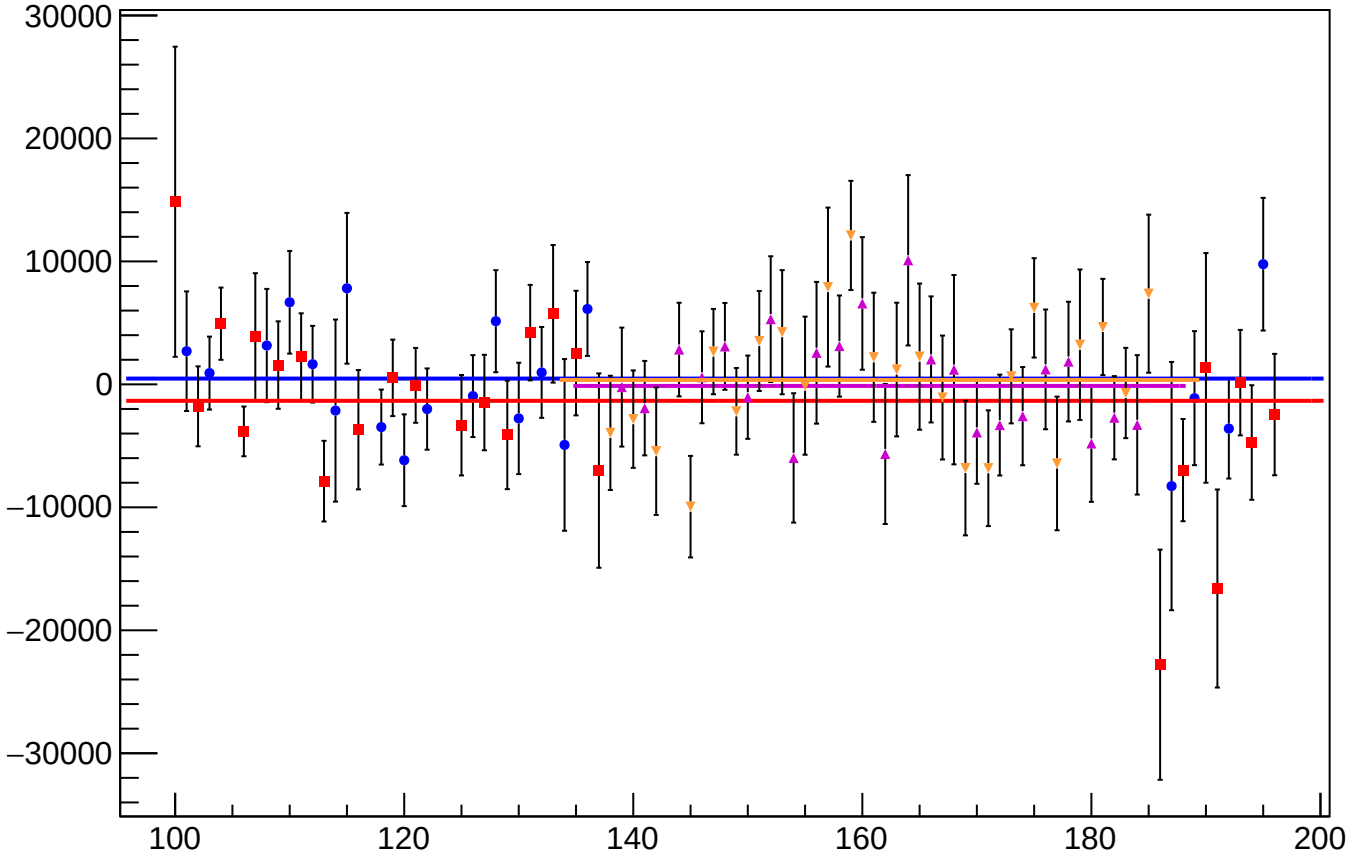
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.2/43

All: 1007.464+/-0.095 χ^2/NDF: 3089412.2/91

- sign 1005.936+/-0.132 χ^2/NDF: 1567182.2/47

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 470.564+/-921.759 χ^2/NDF: 19.5/19

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1337.573+/-797.004 χ^2/NDF: 32.0/24

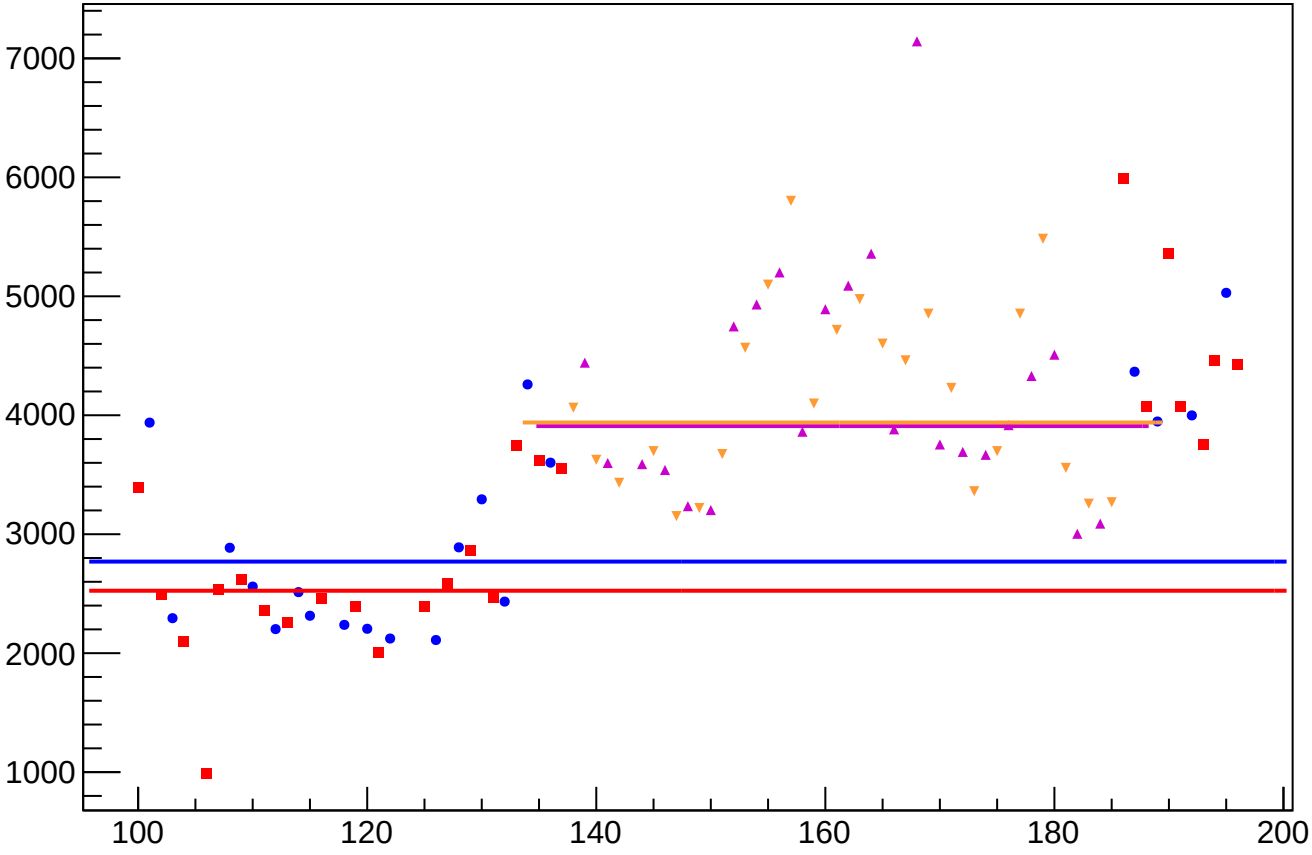
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 414.904+/-656.143 χ^2/NDF: 49.7/43

All: -255.146+/-445.141 χ^2/NDF: 98.4/91

- sign -826.513+/-605.902 χ^2/NDF: 46.8/47

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2769.884+/-0.652 χ^2/NDF: 1422571.8/19

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2524.892+/-0.564 χ^2/NDF: 3140121.8/24

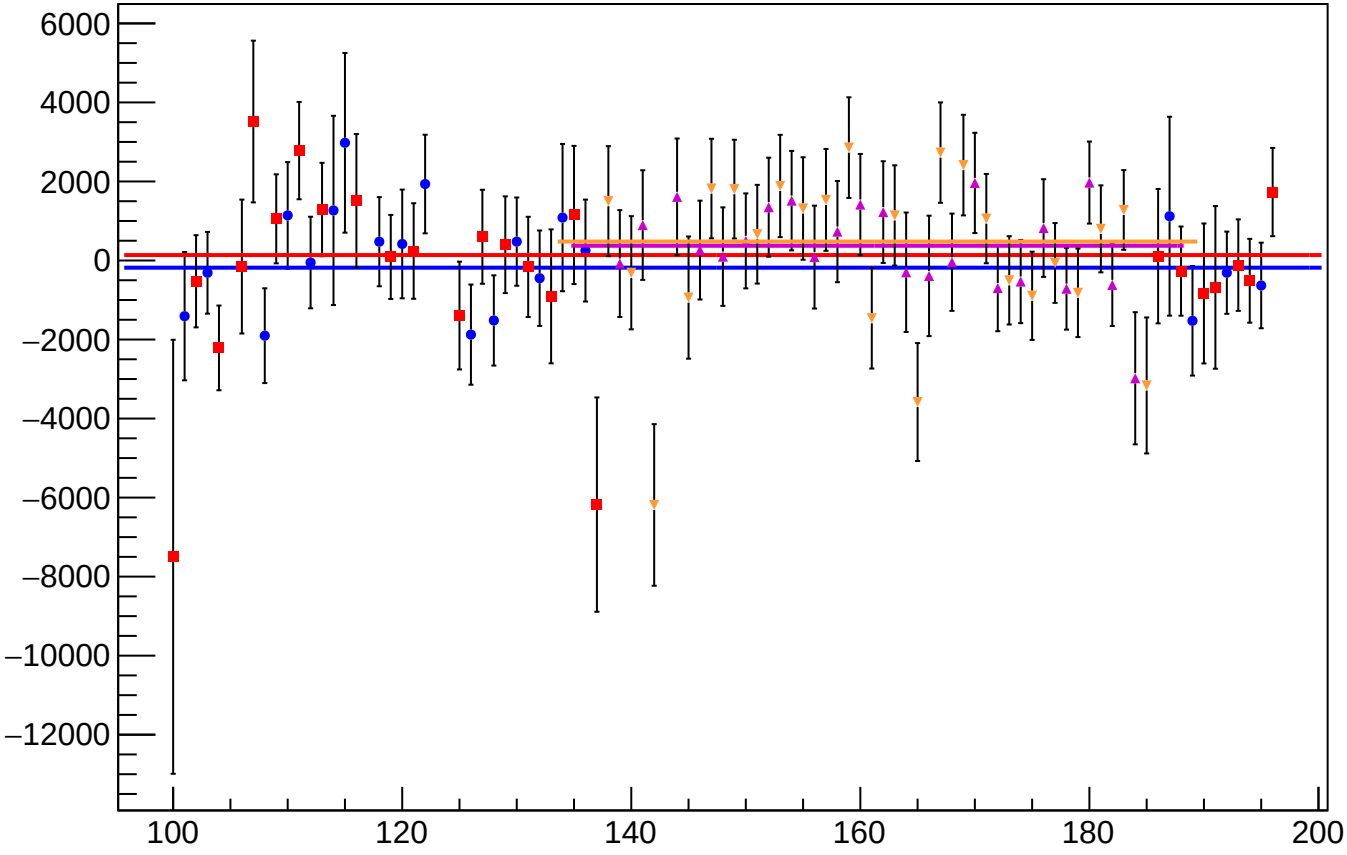
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3346.722+/-0.464 χ^2/NDF: 4103064.6/43

All: 3218.479+/-0.315 χ^2/NDF: 11231783.4/9

- sign 3109.122+/-0.428 χ^2/NDF: 6987167.1/47

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -181.952+/-290.484 χ^2/NDF: 14.9/19

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.574+/-269.420 χ^2/NDF: 27.4/24

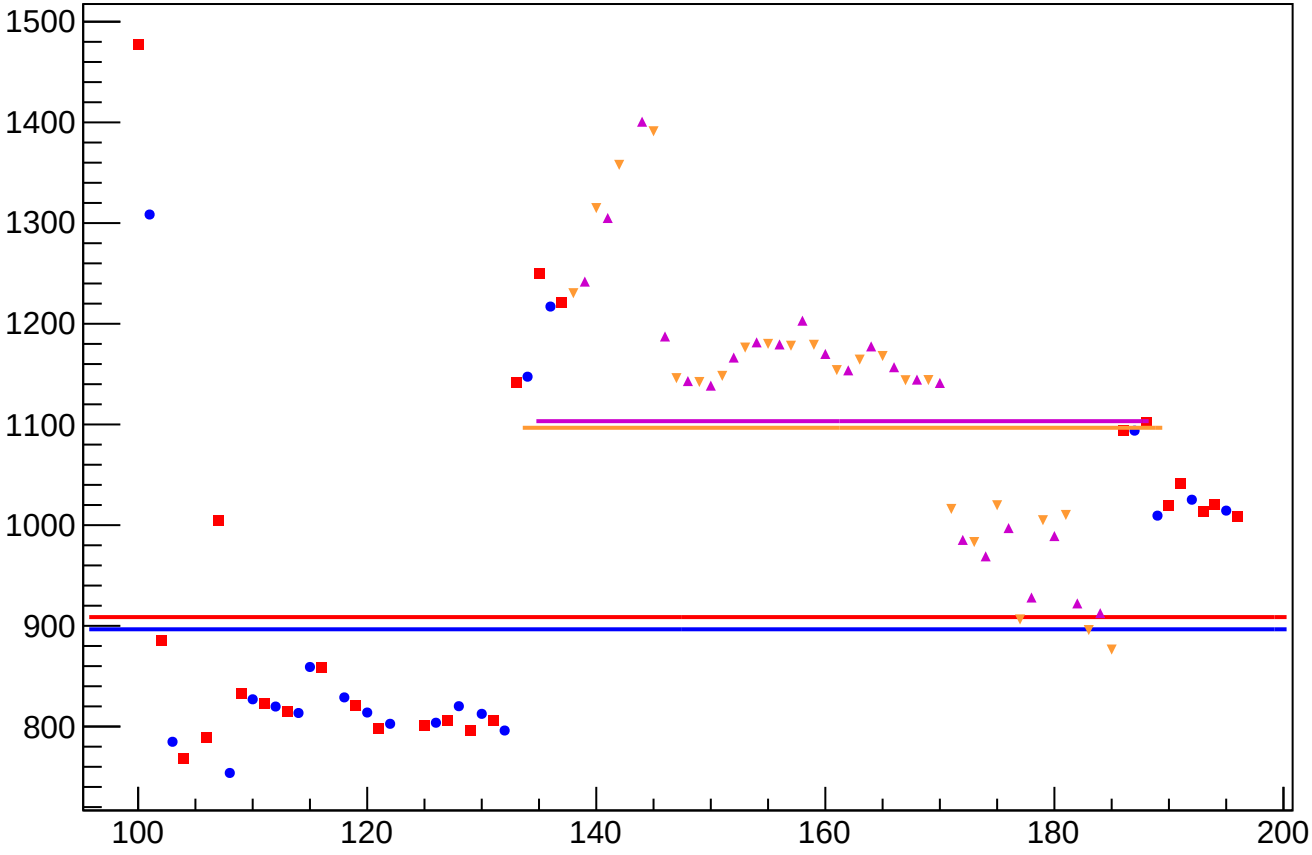
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 189.975+/-192.199 χ^2/NDF: 62.9/43

All: 225.842+/-133.968 χ^2/NDF: 106.9/91

- sign 259.734+/-186.833 χ^2/NDF: 43.9/47

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 896.572+/-0.205 χ^2/NDF: 507684.8/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.689+/-0.190 χ^2/NDF: 488476.5/24

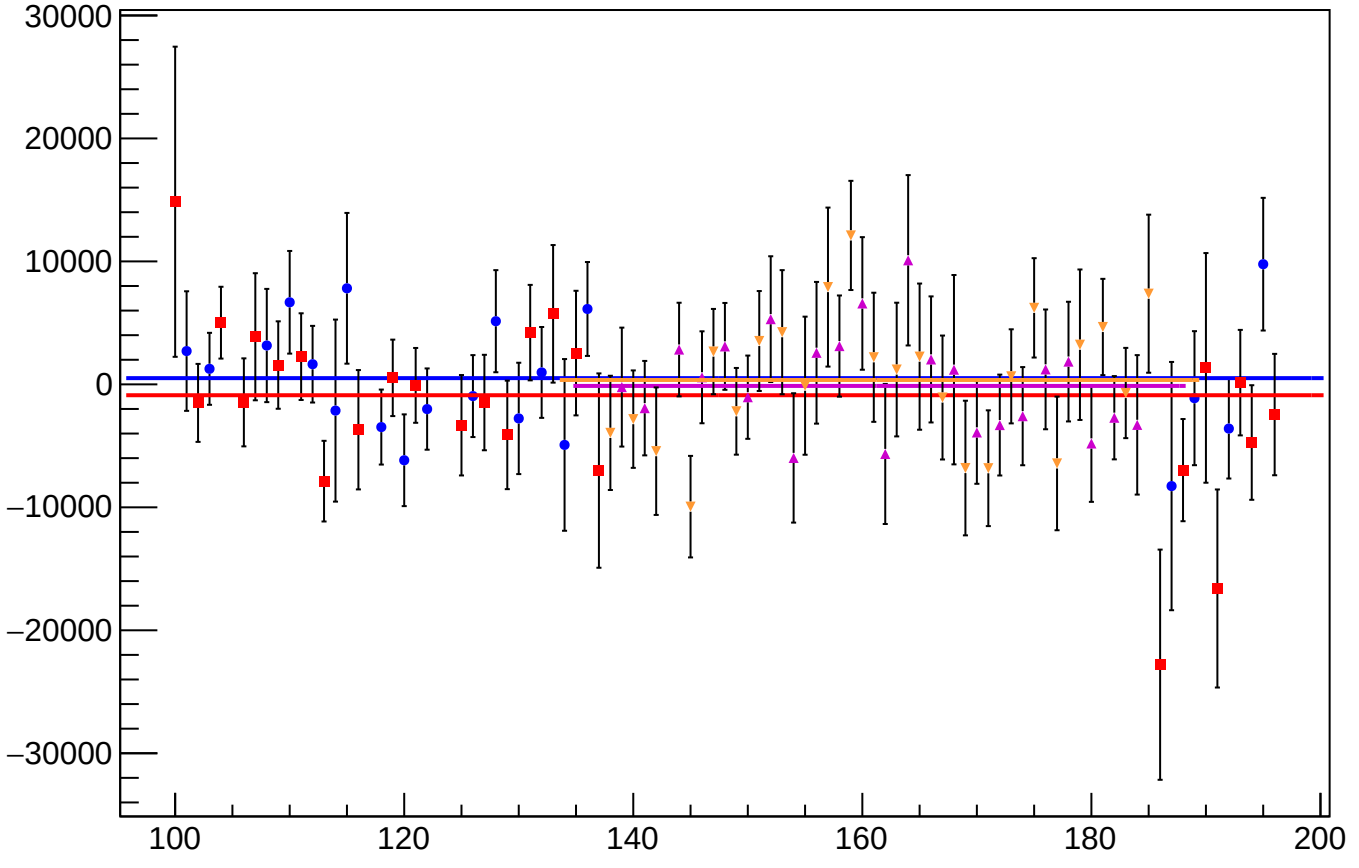
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.3/43

All: 1009.226+/-0.095 χ^2/NDF: 3001608.5/91

- sign 1009.350+/-0.132 χ^2/NDF: 1479655.4/47

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 506.456+/-920.570 χ^2/NDF: 19.5/19

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -883.710+/-841.037 χ^2/NDF: 30.4/24

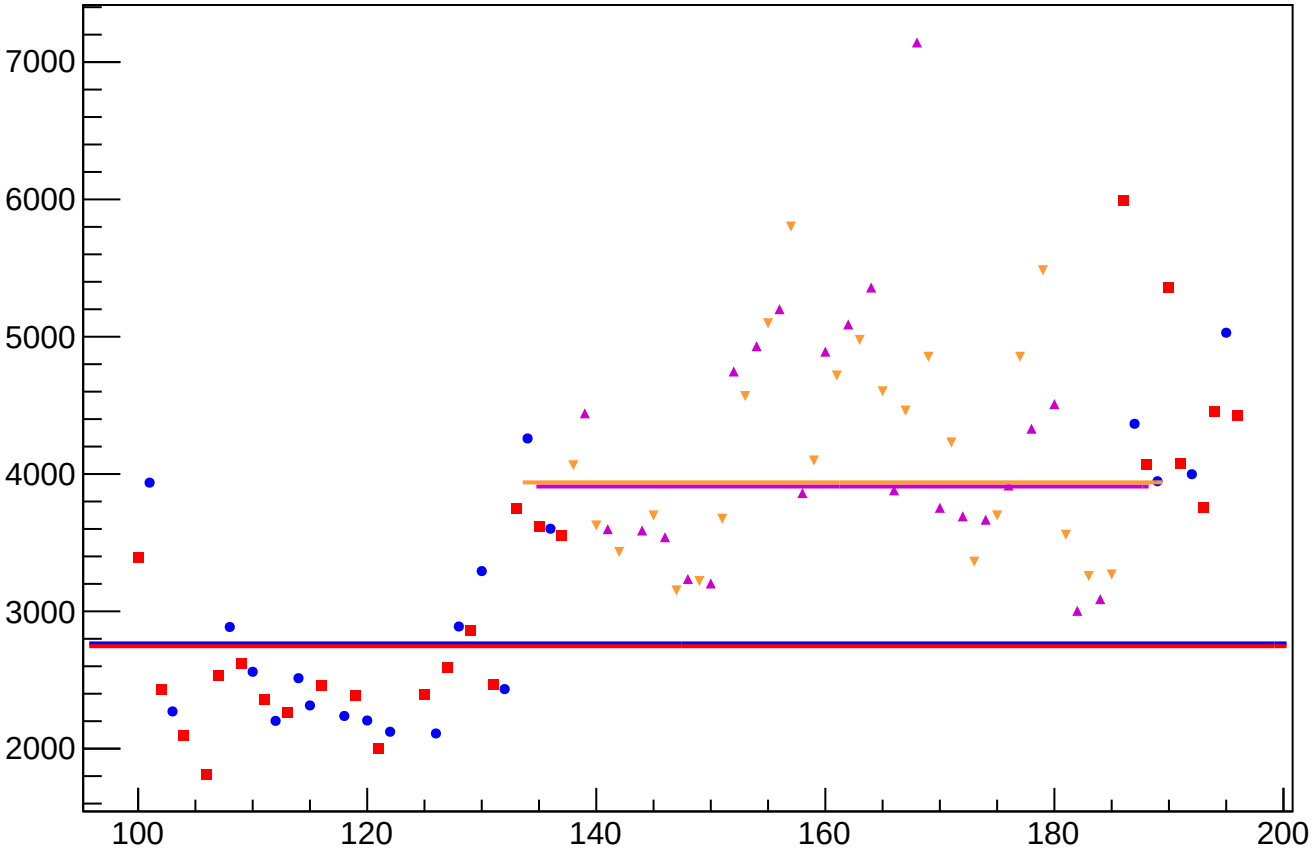
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 433.186+/-655.715 χ^2/NDF: 49.8/43

All: -79.241+/-452.253 χ^2/NDF: 95.5/91

- sign -544.170+/-624.586 χ^2/NDF: 44.5/47

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2766.366+/-0.651 χ^2/NDF: 1429034.4/19

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2746.146+/-0.595 χ^2/NDF: 1928014.4/24

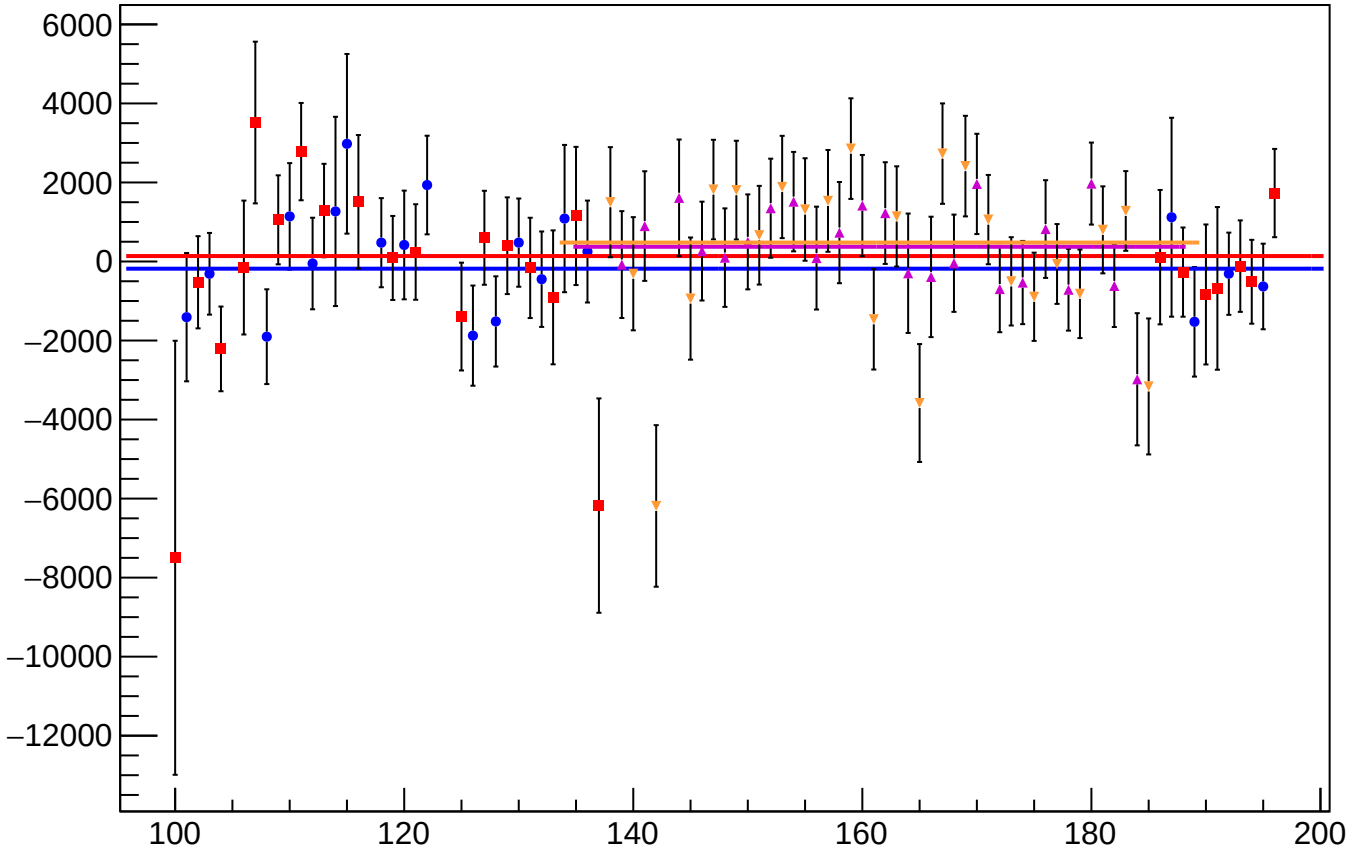
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3344.184+/-0.464 χ^2/NDF: 4121132.0/43

All: 3304.100+/-0.320 χ^2/NDF: 9079316.9/91

\- sign 3267.731+/-0.442 χ^2/NDF: 4943929.7/47

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -181.952+/-290.484 χ^2/NDF: 14.9/19

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.574+/-269.420 χ^2/NDF: 27.4/24

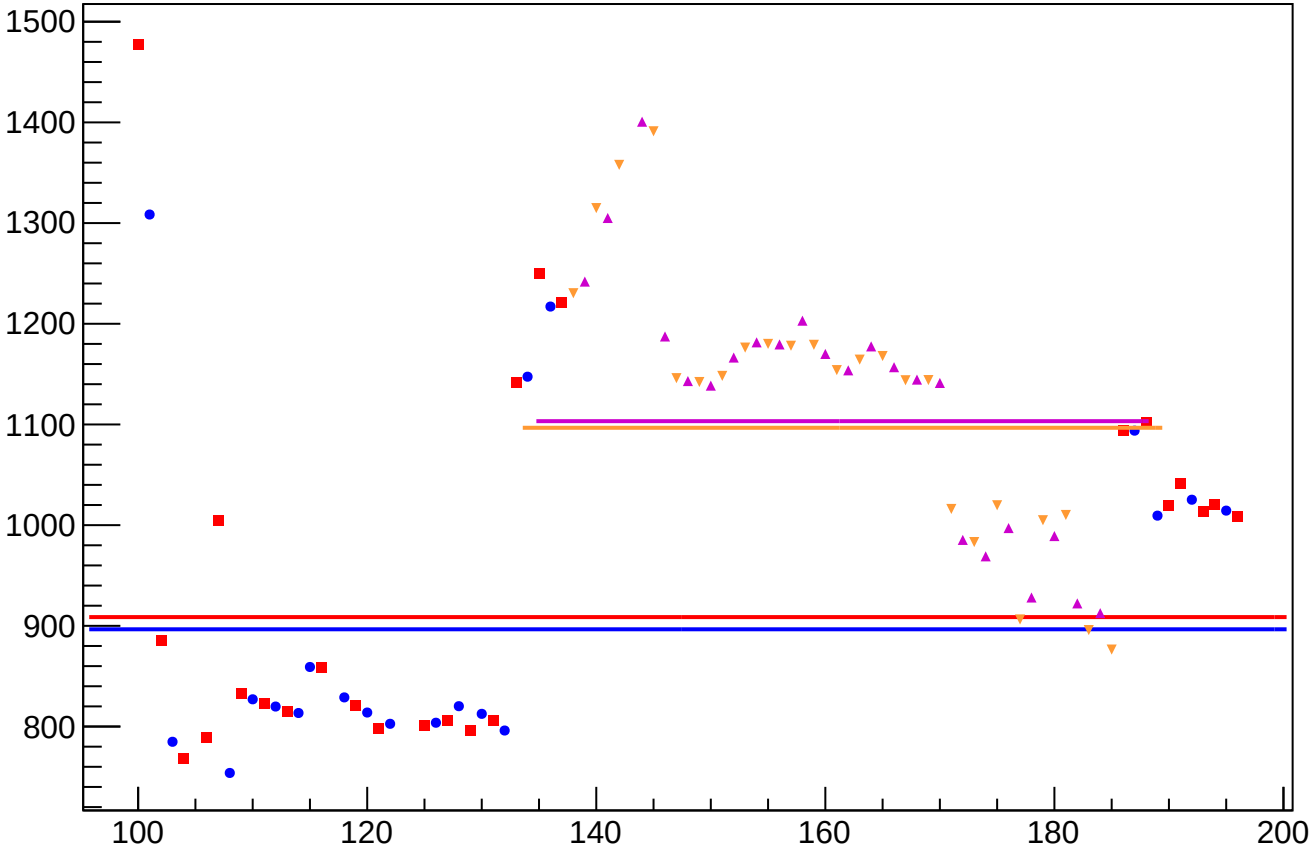
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 189.975+/-192.199 χ^2/NDF: 62.9/43

All: 225.842+/-133.968 χ^2/NDF: 106.9/91

- sign 259.734+/-186.833 χ^2/NDF: 43.9/47

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 896.572+/-0.205 χ^2/NDF: 507684.8/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

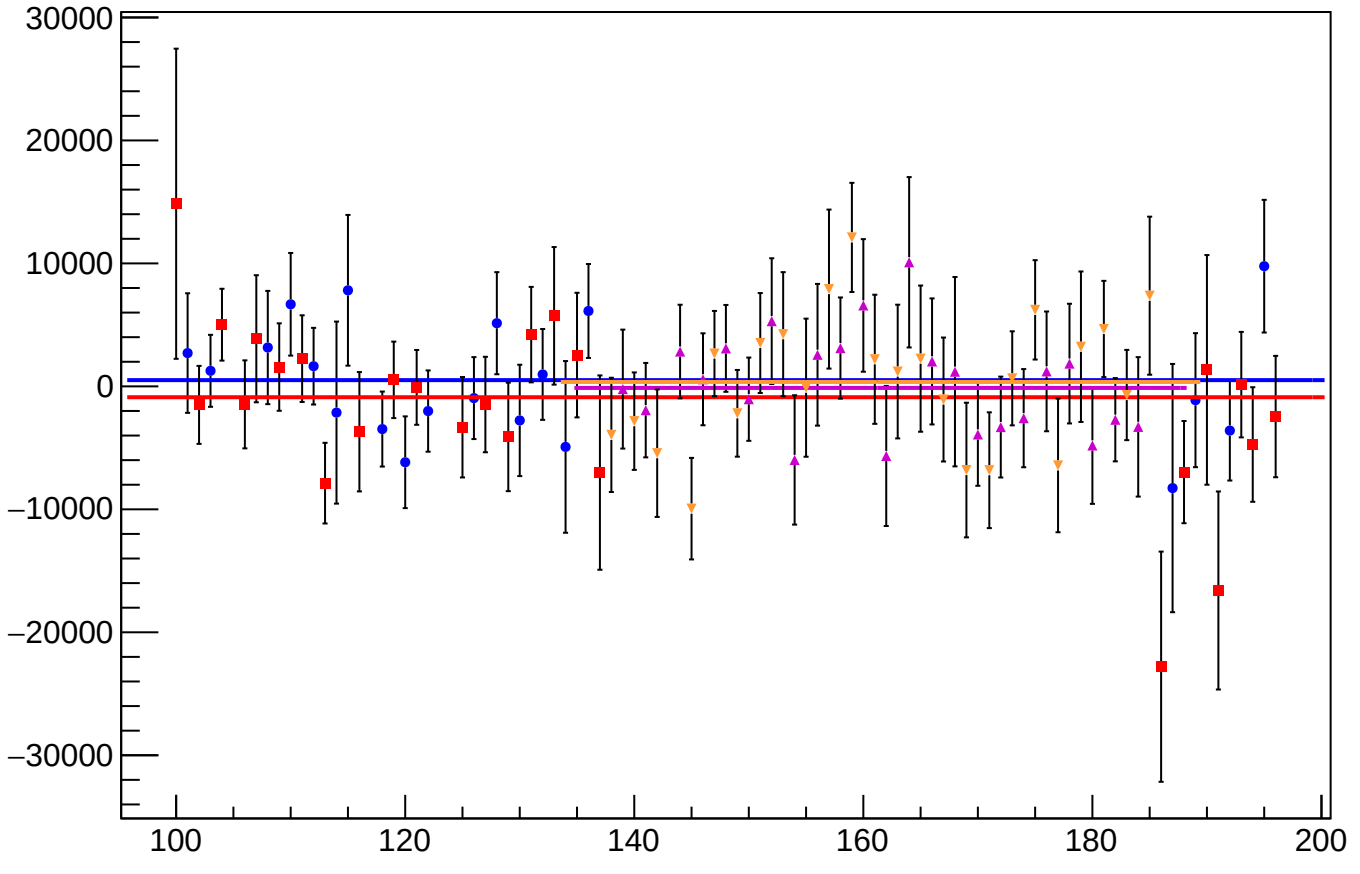
Right Out: 908.689+/-0.190 χ^2/NDF: 488476.5/24

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.3/43

All: 1009.226+/-0.095 χ^2/NDF: 3001608.5/91

- sign 1009.350+/-0.132 χ^2/NDF: 1479655.4/47



Right In: 506.456+/-920.570 χ^2/NDF: 19.5/19

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

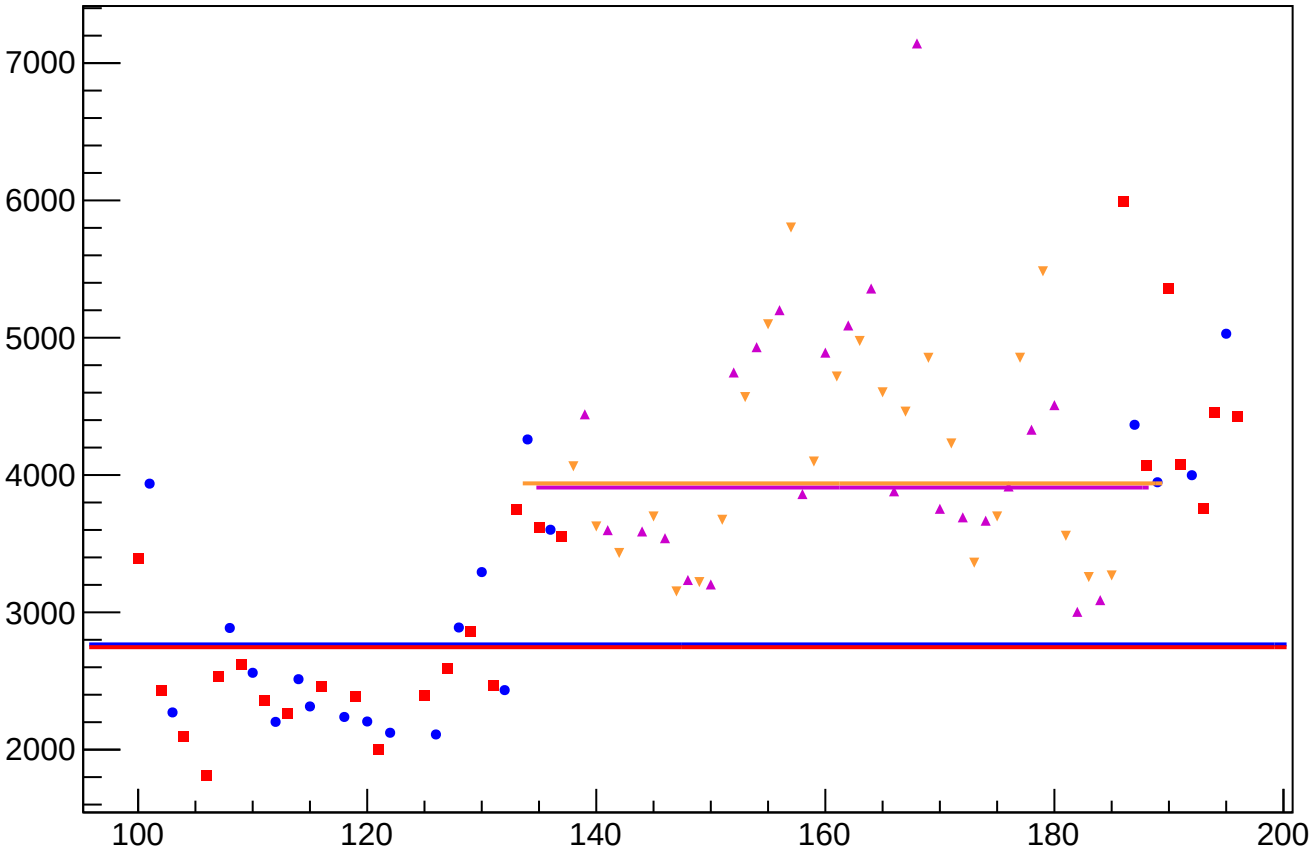
Right Out: -883.710+/-841.037 χ^2/NDF: 30.4/24

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 433.186+/-655.715 χ^2/NDF: 49.8/43

All: -79.241+/-452.253 χ^2/NDF: 95.5/91

- sign -544.170+/-624.586 χ^2/NDF: 44.5/47



Right In: 2766.366+/-0.651 χ^2/NDF: 1429034.4/19

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2746.146+/-0.595 χ^2/NDF: 1928014.4/24

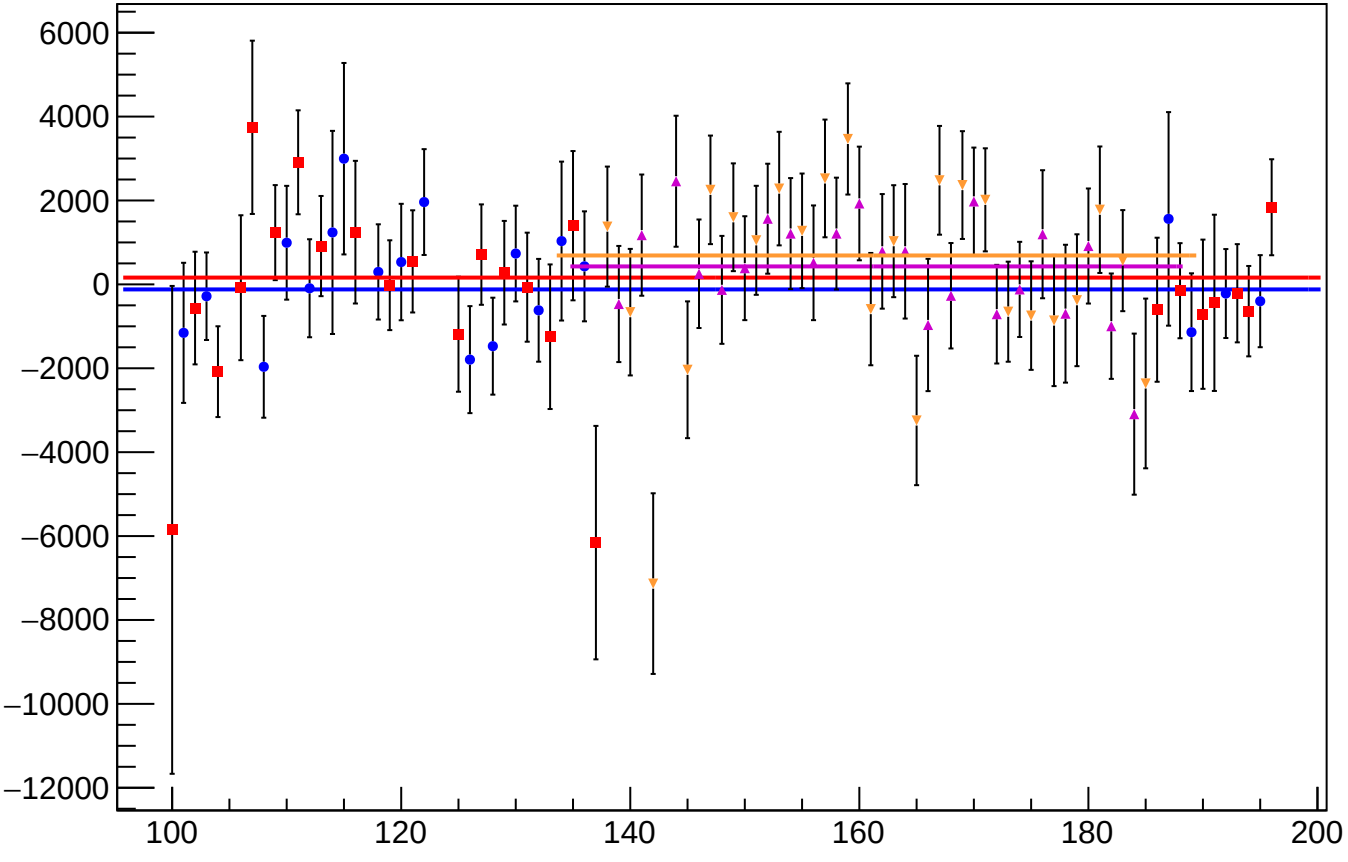
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3344.184+/-0.464 χ^2/NDF: 4121132.0/43

All: 3304.100+/-0.320 χ^2/NDF: 9079316.9/91

\- sign 3267.731+/-0.442 χ^2/NDF: 4943929.7/47

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -120.194+/-294.128 χ^2/NDF: 14.1/19

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 161.835+/-274.136 χ^2/NDF: 26.4/24

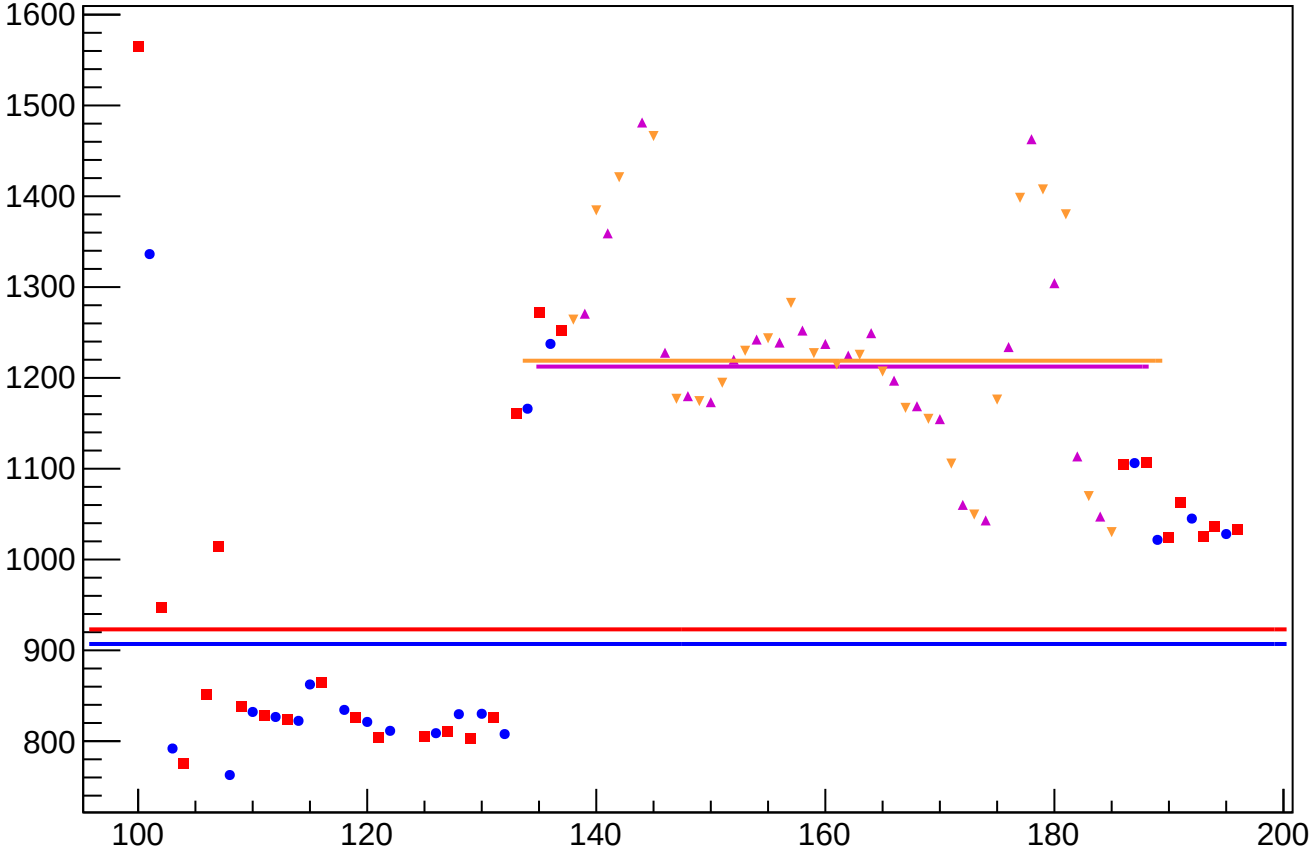
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 298.068+/-204.449 χ^2/NDF: 63.7/43

All: 293.923+/-141.997 χ^2/NDF: 105.1/91

- sign 290.061+/-197.366 χ^2/NDF: 41.4/47

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 906.994+/-0.208 χ^2/NDF: 522197.5/19

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 923.095+/-0.194 χ^2/NDF: 495520.7/24

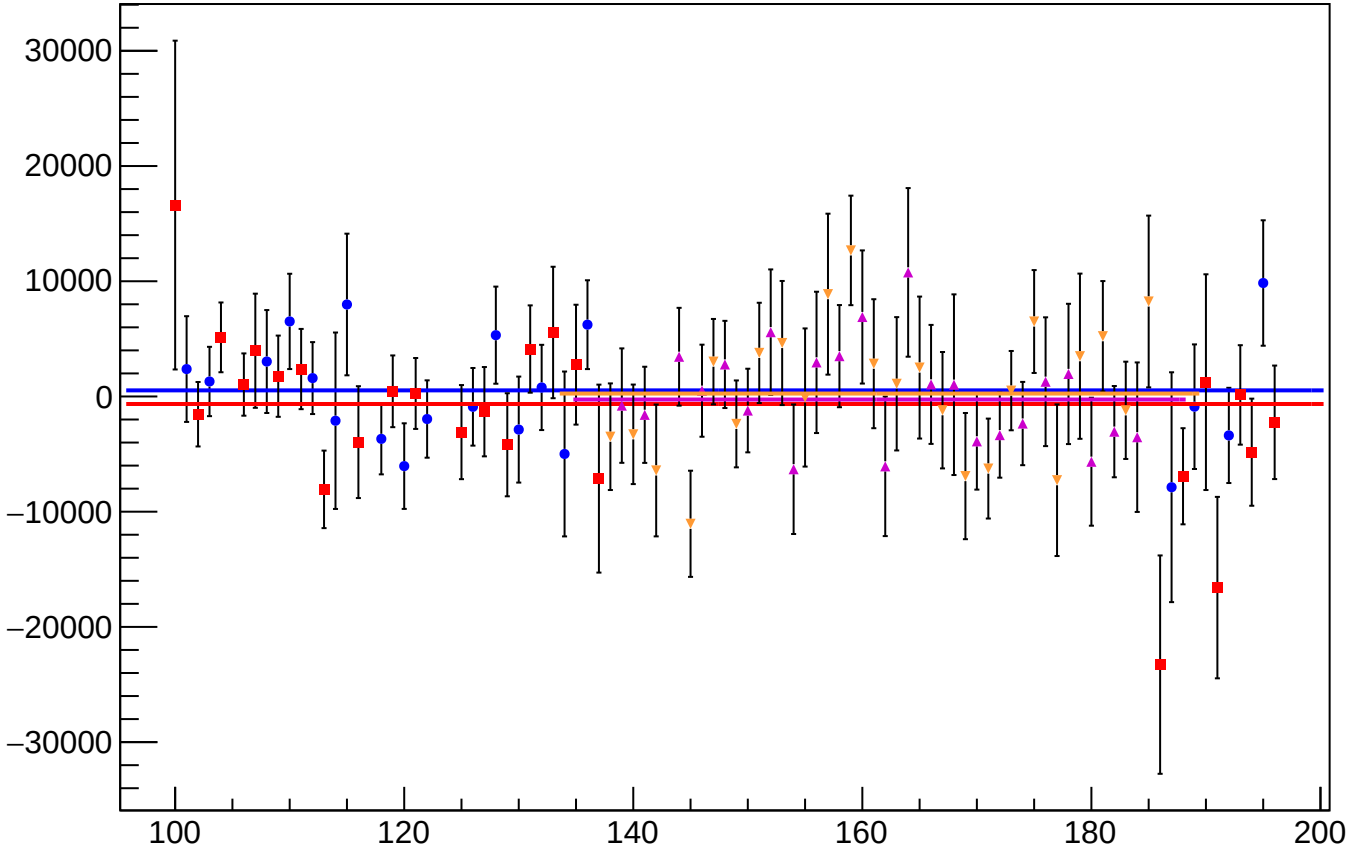
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1068.211+/-0.145 χ^2/NDF: 1978673.5/43

All: 1065.184+/-0.100 χ^2/NDF: 3809303.9/91

- sign 1062.364+/-0.140 χ^2/NDF: 1829783.4/47

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 529.202+/-925.486 χ^2/NDF: 19.3/19

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -653.155+/-819.735 χ^2/NDF: 31.1/24

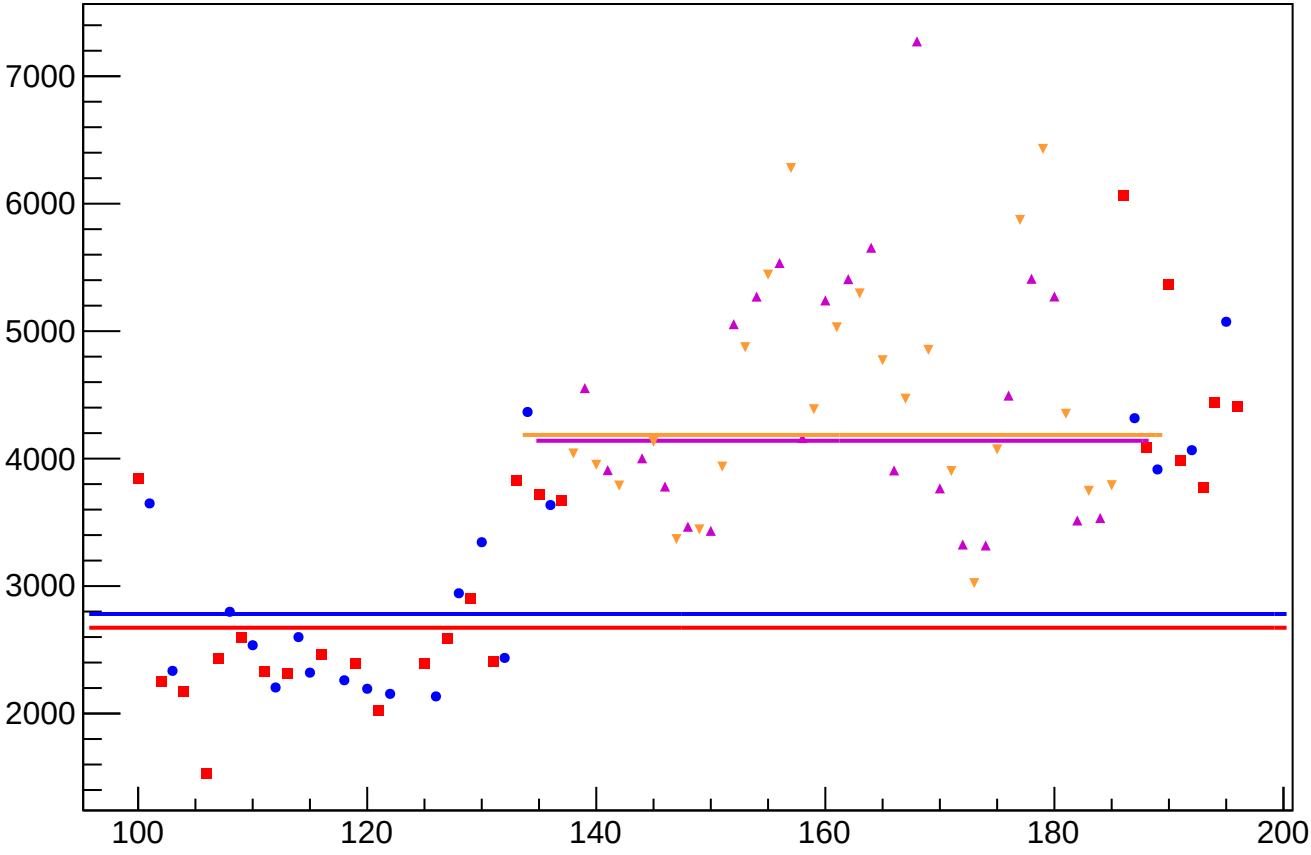
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 401.015+/-677.708 χ^2/NDF: 49.0/43

All: -79.068+/-461.975 χ^2/NDF: 94.6/91

- sign -495.794+/-631.408 χ^2/NDF: 44.7/47

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2781.059+/-0.654 χ^2/NDF: 1383888.1/19

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2673.208+/-0.580 χ^2/NDF: 2224108.8/24

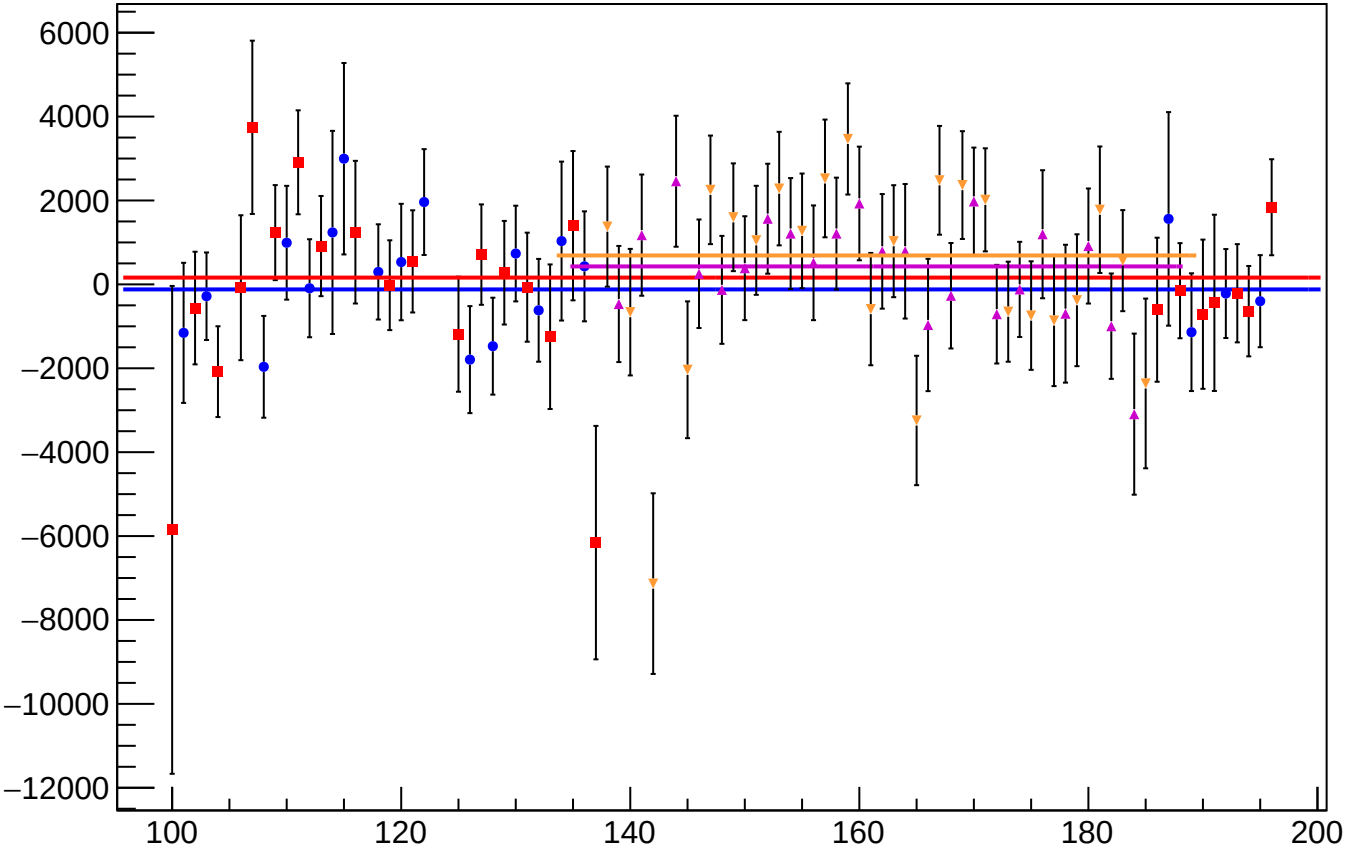
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

\+ sign 3432.478+/-0.479 χ^2/NDF: 4791635.4/43

All: 3345.380+/-0.327 χ^2/NDF: 11131893.3/9

\- sign 3269.776+/-0.446 χ^2/NDF: 6278549.4/47

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -120.194+/-294.128 χ^2/NDF: 14.1/19

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 161.838+/-274.136 χ^2/NDF: 26.4/24

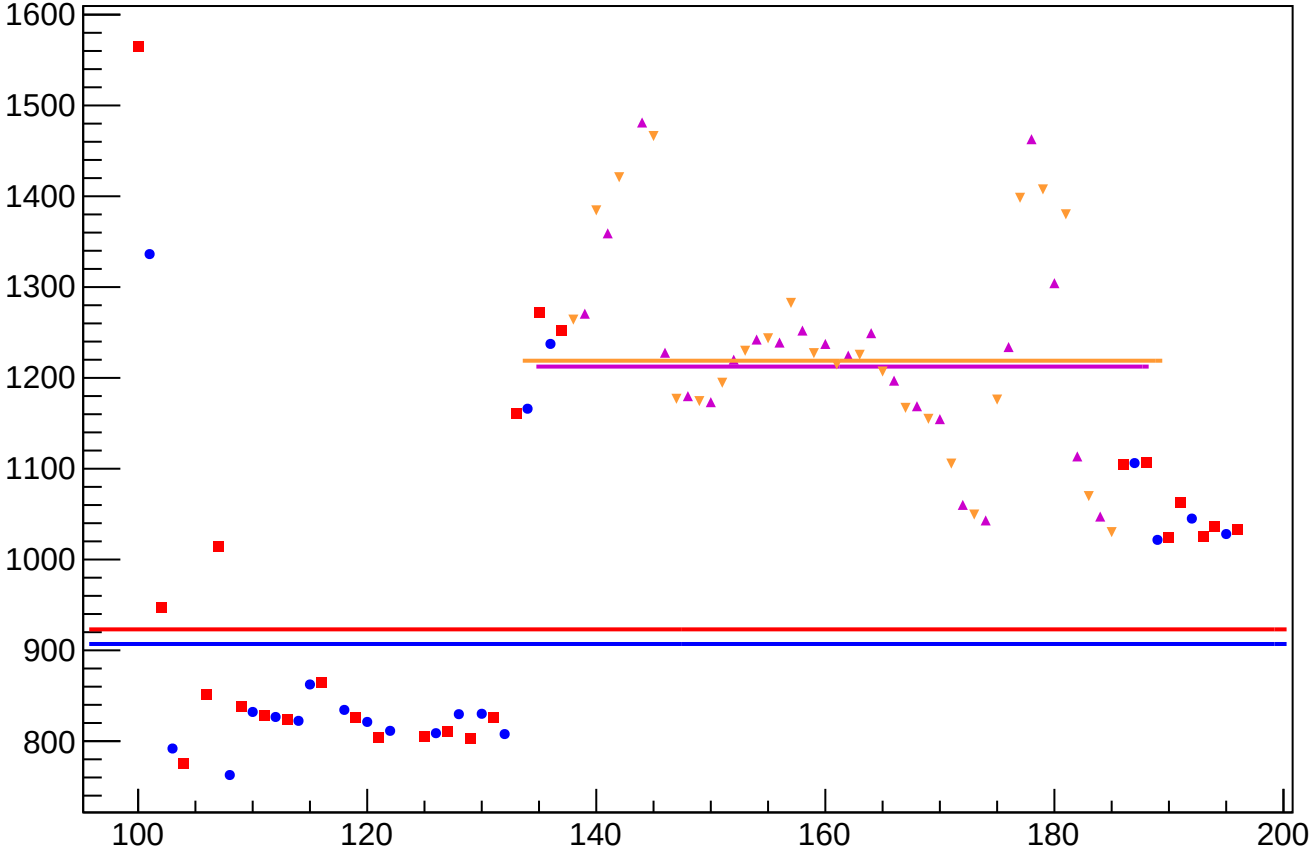
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 298.068+/-204.449 χ^2/NDF: 63.7/43

All: 293.924+/-141.997 χ^2/NDF: 105.1/91

- sign 290.062+/-197.367 χ^2/NDF: 41.4/47

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 906.994+/-0.208 χ^2/NDF: 522197.2/19

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

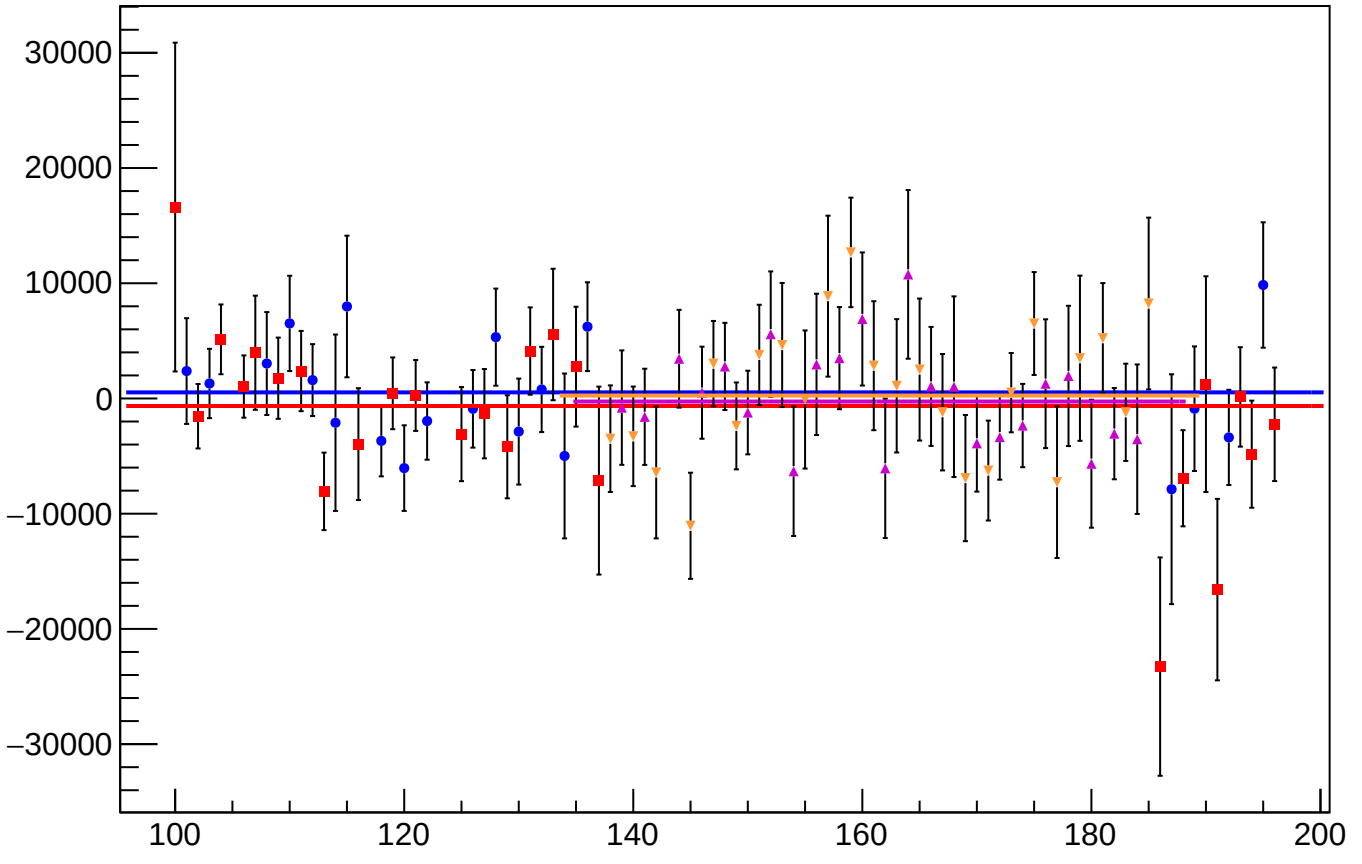
Right Out: 923.095+/-0.194 χ^2/NDF: 495520.4/24

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1068.212+/-0.145 χ^2/NDF: 1978690.2/43

All: 1065.184+/-0.100 χ^2/NDF: 3809337.2/91

- sign 1062.365+/-0.140 χ^2/NDF: 1829799.9/47



Right In: 529.198+/-925.484 χ^2/NDF: 19.3/19

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -653.150+/-819.733 χ^2/NDF: 31.1/24

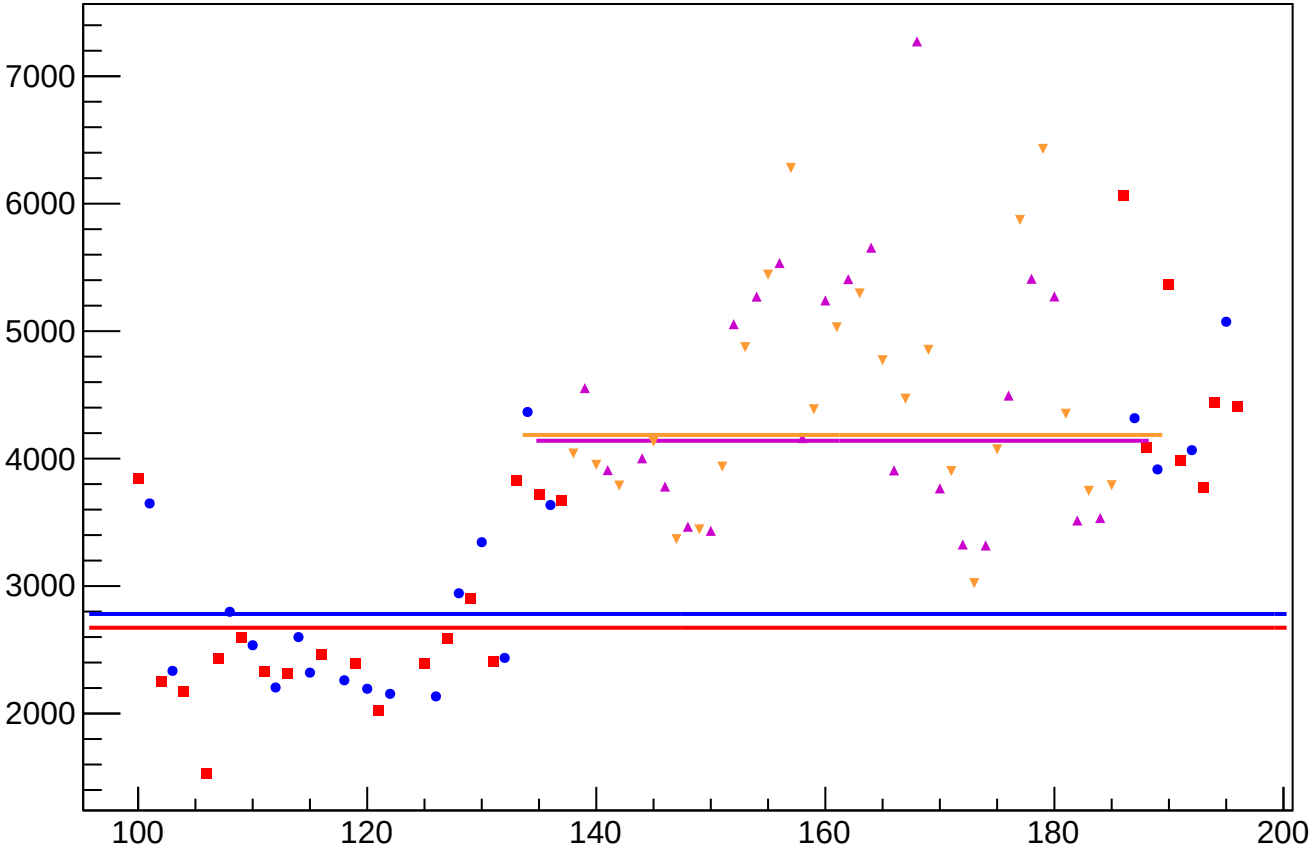
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 401.014+/-677.708 χ^2/NDF: 49.0/43

All: -79.067+/-461.974 χ^2/NDF: 94.6/91

- sign -495.792+/-631.407 χ^2/NDF: 44.7/47

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2781.050+/-0.654 χ^2/NDF: 1383908.7/19

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2673.201+/-0.580 χ^2/NDF: 2224128.9/24

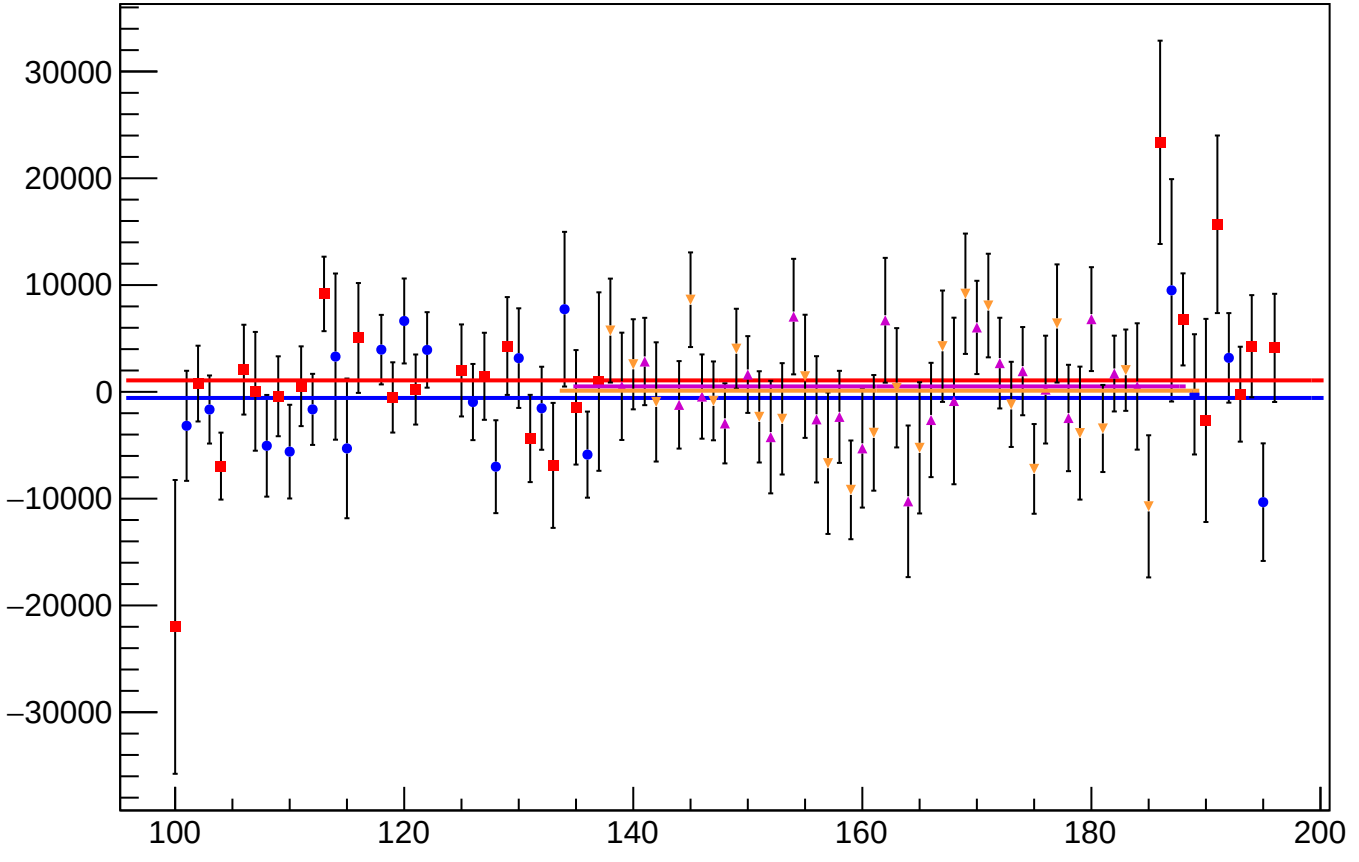
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

\+ sign 3432.474+/-0.479 χ^2/NDF: 4791704.8/43

All: 3345.376+/-0.327 χ^2/NDF: 11132032.3/9

\- sign 3269.773+/-0.446 χ^2/NDF: 6278619.0/47

asym_usl_atl2_dd_mean vs Slug



Right In: -571.293+/-973.757 χ^2/NDF: 21.1/19

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1073.794+/-895.391 χ^2/NDF: 31.7/24

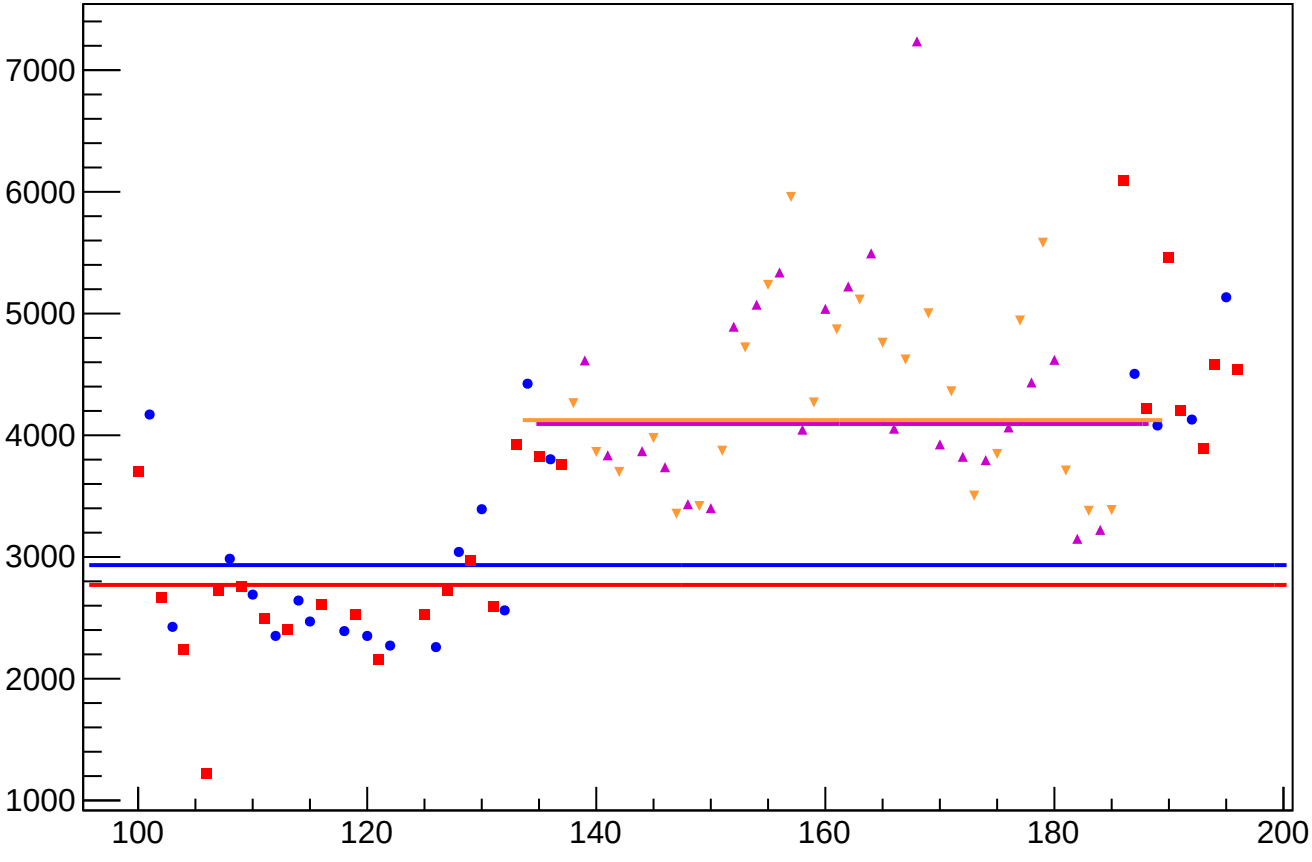
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -231.806+/-689.200 χ^2/NDF: 49.4/43

All: 314.937+/-476.390 χ^2/NDF: 96.0/91

- sign 815.166+/-659.232 χ^2/NDF: 45.4/47

asym_usl_atl2_dd_rms vs Slug



Right In: 2933.262+/-0.689 χ^2/NDF: 1313088.6/19

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

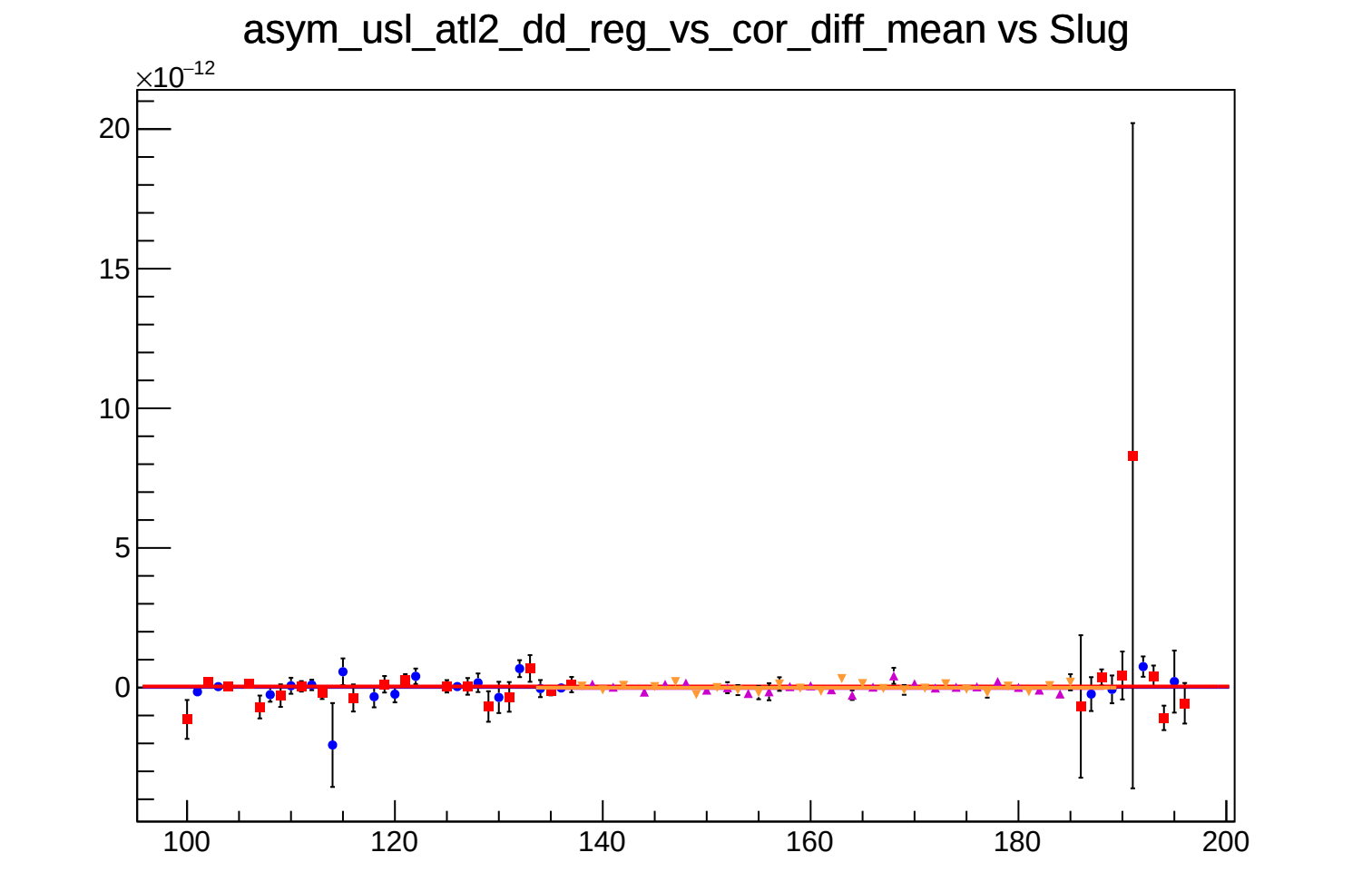
Right Out: 2770.547+/-0.609 χ^2/NDF: 2482115.5/24

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3527.747+/-0.487 χ^2/NDF: 3776720.0/43

All: 3433.482+/-0.333 χ^2/NDF: 9560589.5/91

- sign 3350.843+/-0.456 χ^2/NDF: 5713654.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

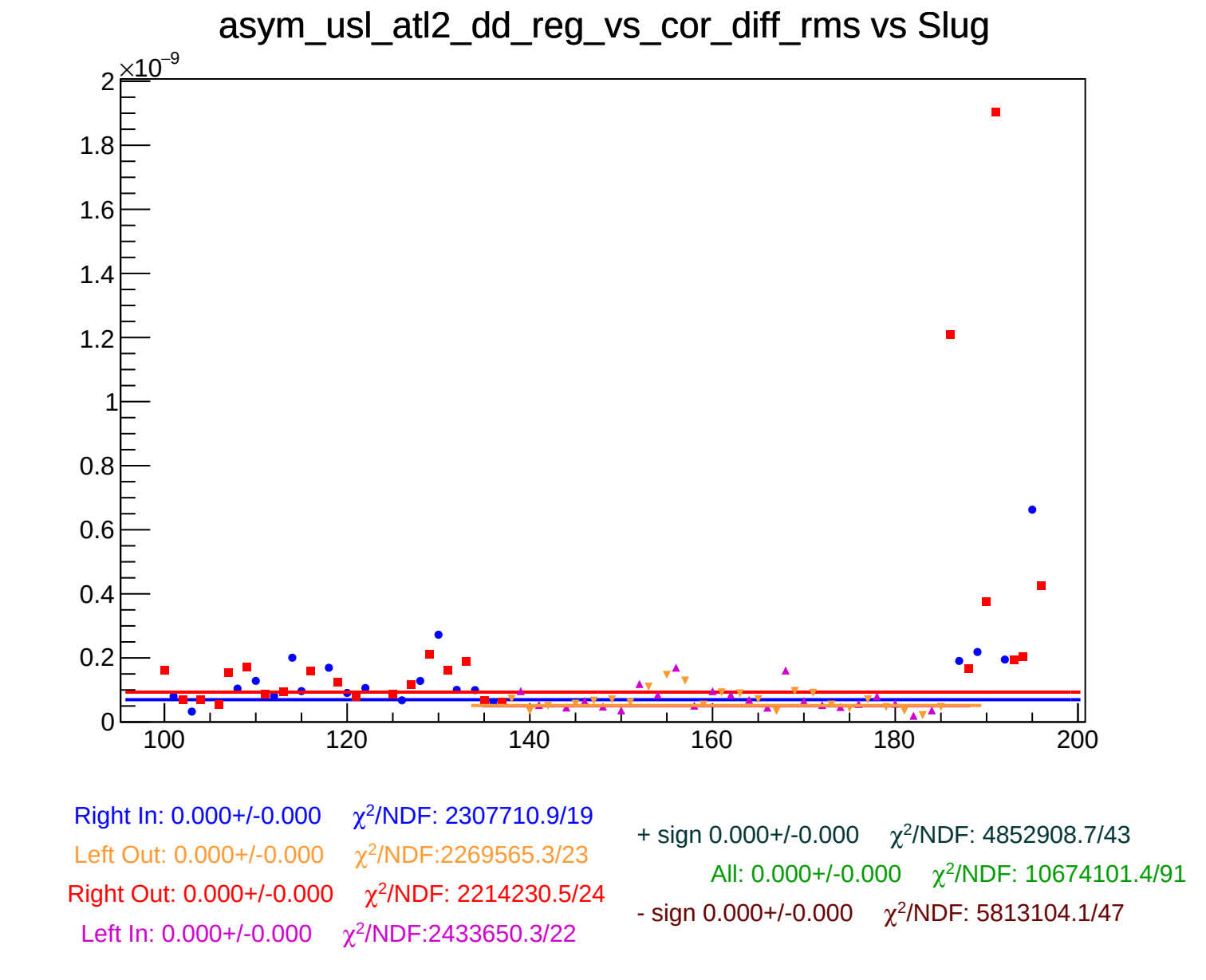
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

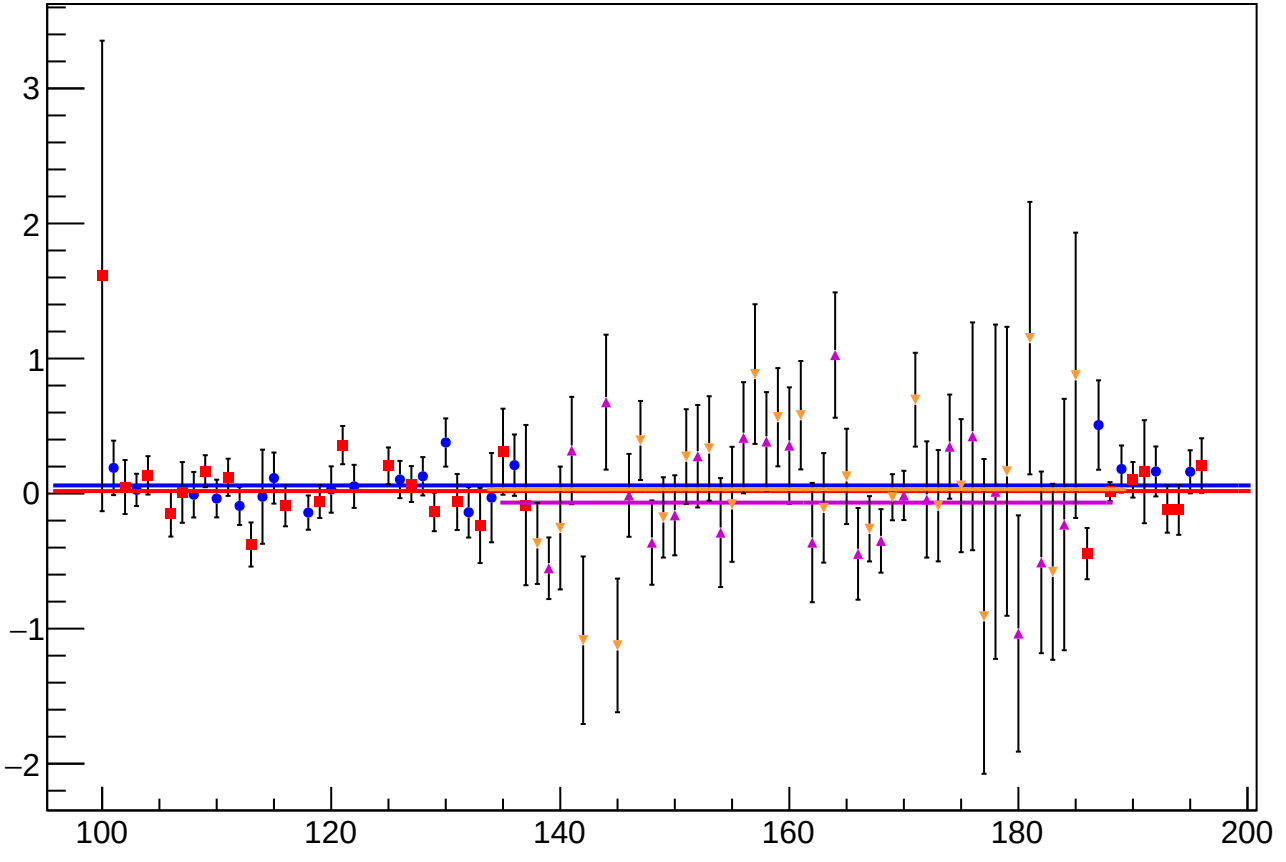
+ sign 0.000+/-0.000 χ^2/NDF: 44.1/43

All: -0.000+/-0.000 χ^2/NDF: 98.2/91

- 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: 2307710.9/19
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: 4852908.7/43
All: 0.000+/-0.000 χ²/NDF: 10674101.4/91
- sign 0.000+/-0.000 χ²/NDF: 5813104.1/47

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.019+/-0.031 χ^2/NDF: 30.8/24

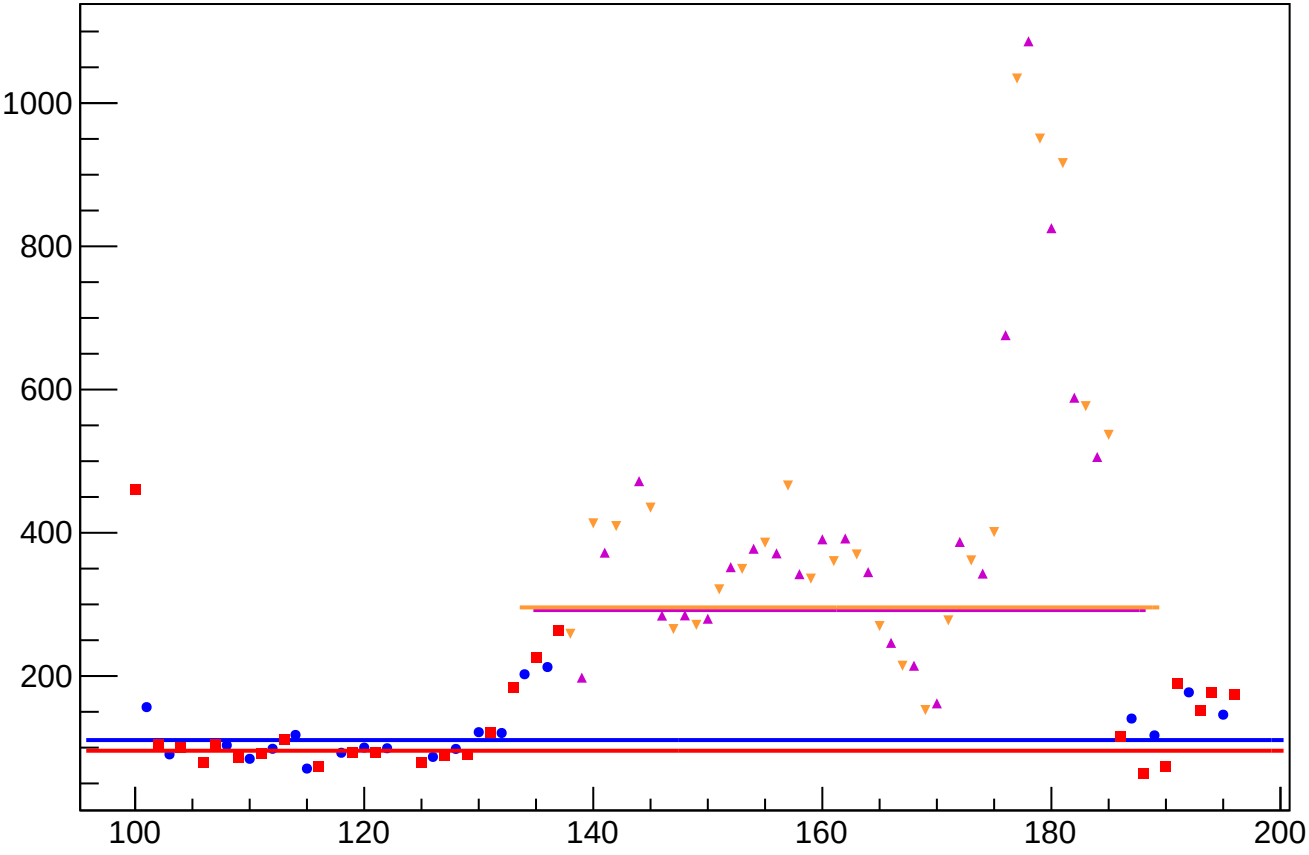
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.026+/-0.022 χ^2/NDF: 101.8/91

- sign 0.006+/-0.029 χ^2/NDF: 57.6/47

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 110.554+/-0.027 χ^2/NDF: 1417220.5/19

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 95.679+/-0.022 χ^2/NDF: 2479858.4/24

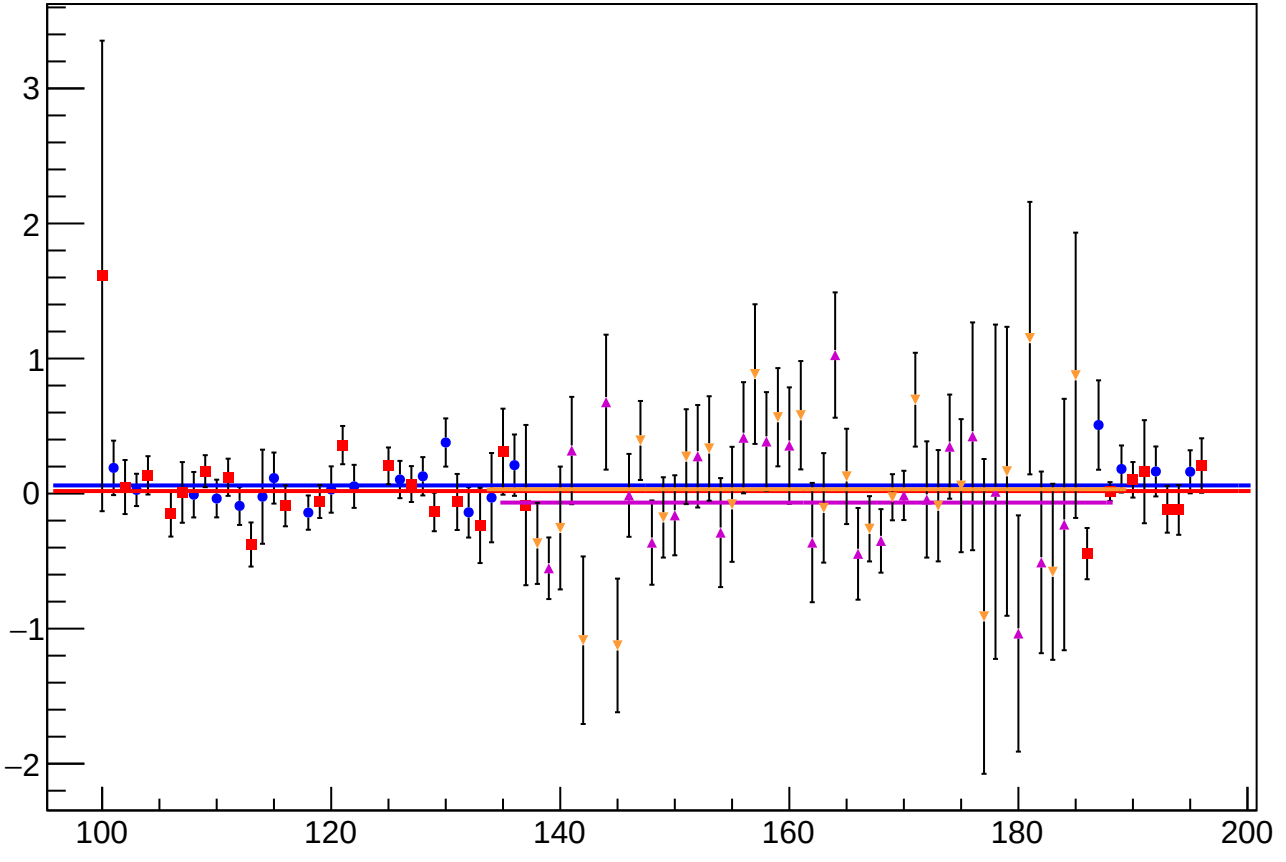
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.085+/-0.024 χ^2/NDF: 16455907.4/43

All: 133.849+/-0.015 χ^2/NDF: 36320865.3/91

- 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: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

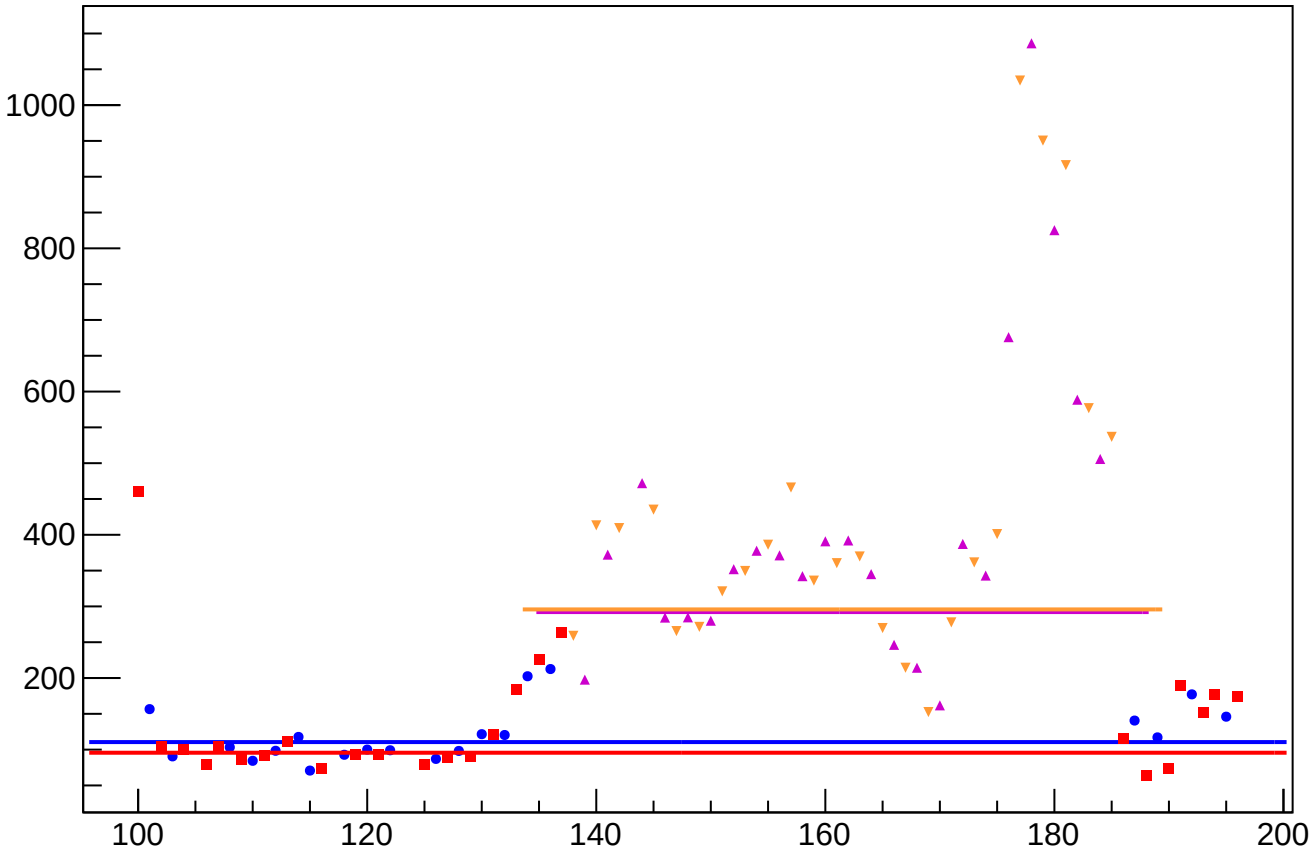
Right Out: 0.019+/-0.031 χ^2/NDF: 30.8/24

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.026+/-0.022 χ^2/NDF: 101.8/91

- sign 0.006+/-0.029 χ^2/NDF: 57.6/47



Right In: 110.554+/-0.027 χ^2/NDF: 1417220.5/19

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

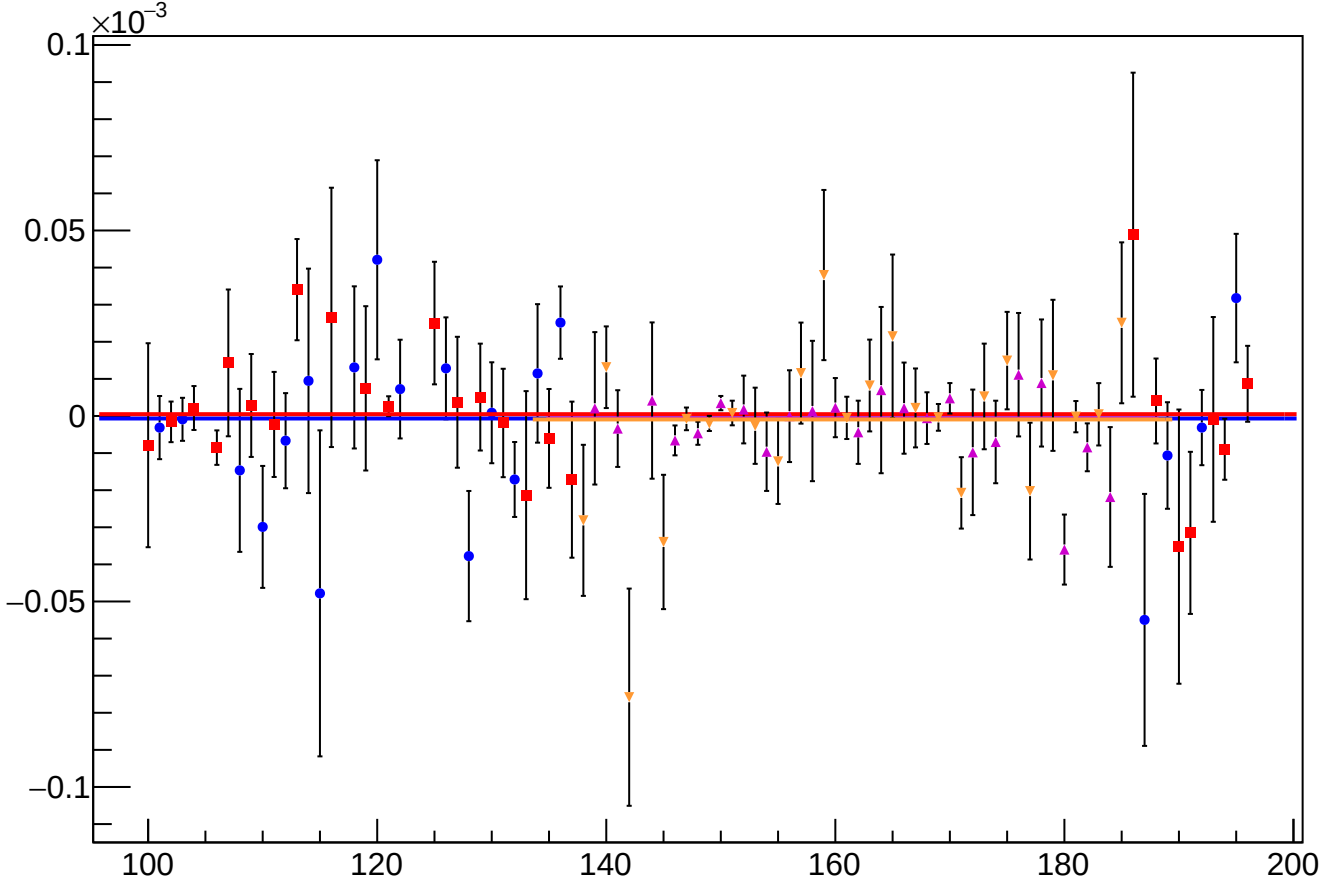
Right Out: 95.679+/-0.022 χ^2/NDF: 2479858.4/24

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.085+/-0.024 χ^2/NDF: 16455907.4/43

All: 133.849+/-0.015 χ^2/NDF: 36320865.3/91

- sign 124.373+/-0.020 χ^2/NDF: 19337188.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

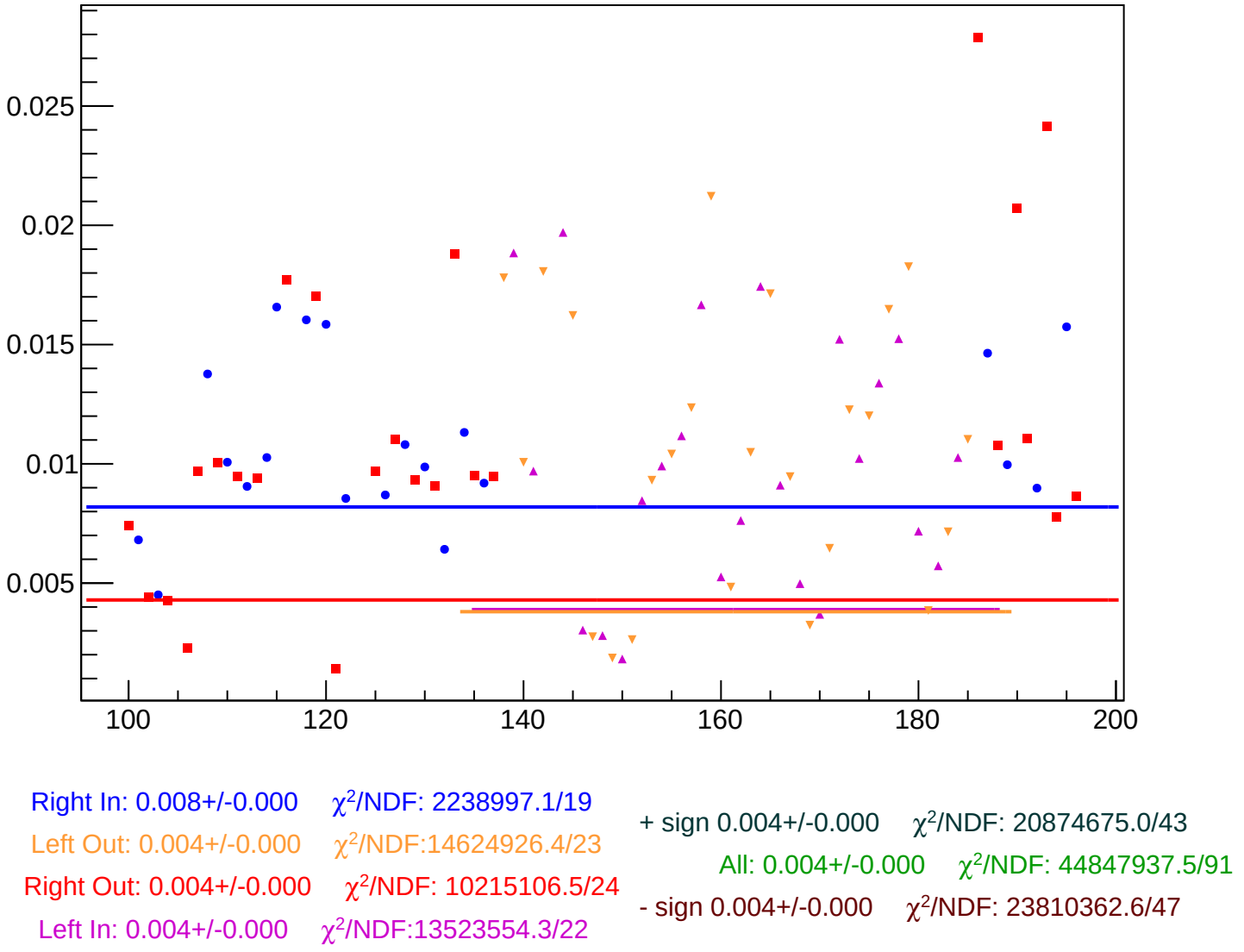
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

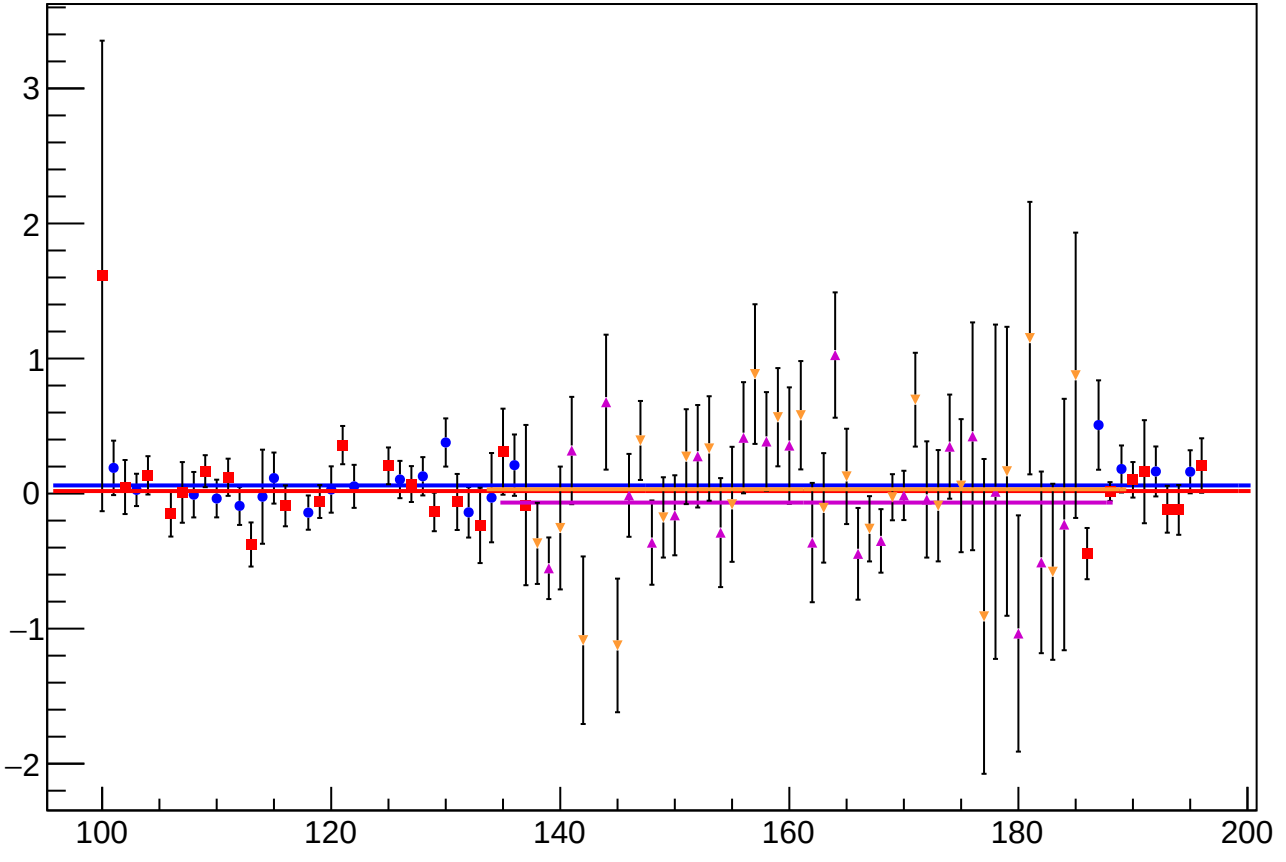
+ sign -0.000+/-0.000 χ^2/NDF: 59.7/43

All: -0.000+/-0.000 χ^2/NDF: 112.2/91

- sign -0.000+/-0.000 χ^2/NDF: 52.4/47


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 2238997.1/19
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 10215106.5/24
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 20874675.0/43
All: 0.004+/-0.000 χ²/NDF: 44847937.5/91
- sign 0.004+/-0.000 χ²/NDF: 23810362.6/47

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

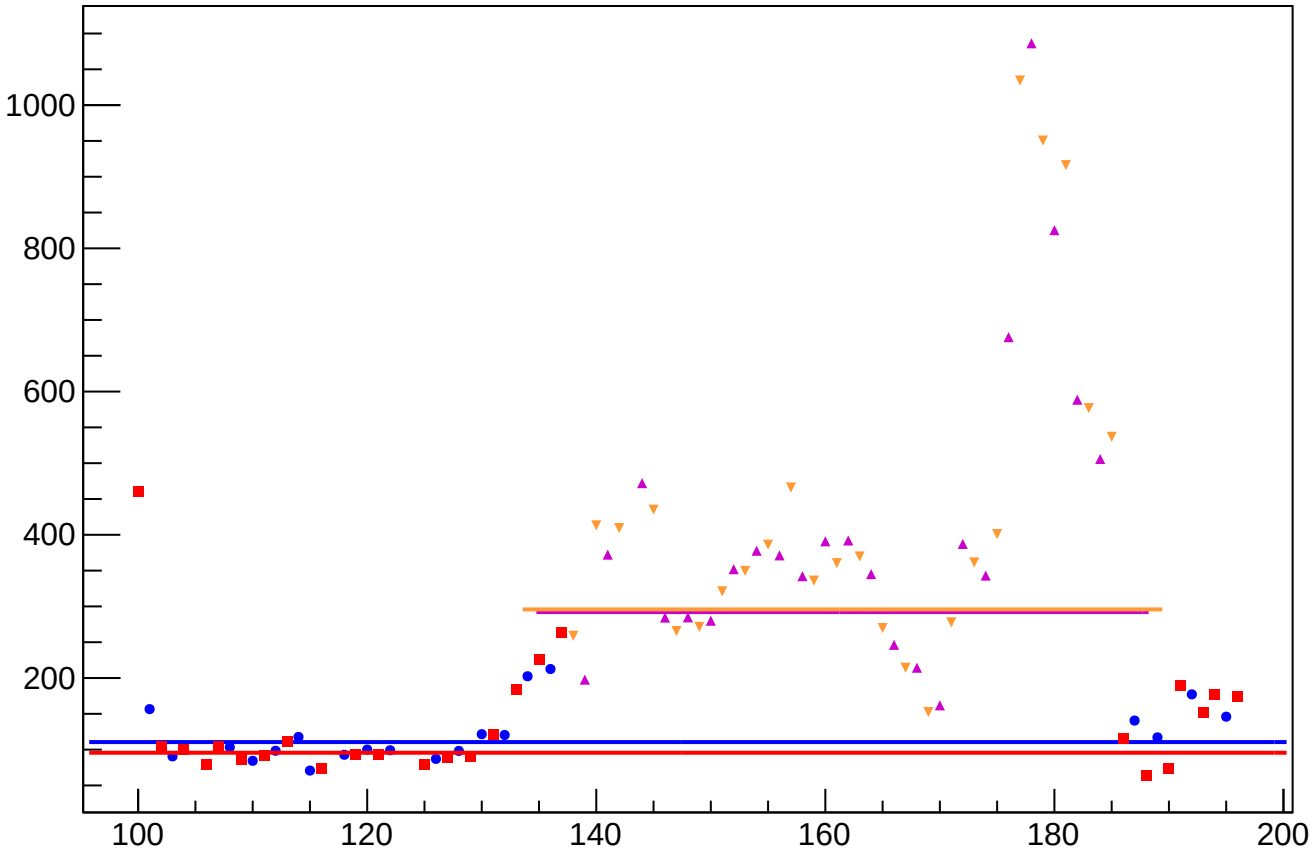
Right Out: 0.019+/-0.031 χ^2/NDF: 30.8/24

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.026+/-0.022 χ^2/NDF: 101.8/91

- sign 0.006+/-0.029 χ^2/NDF: 57.6/47



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

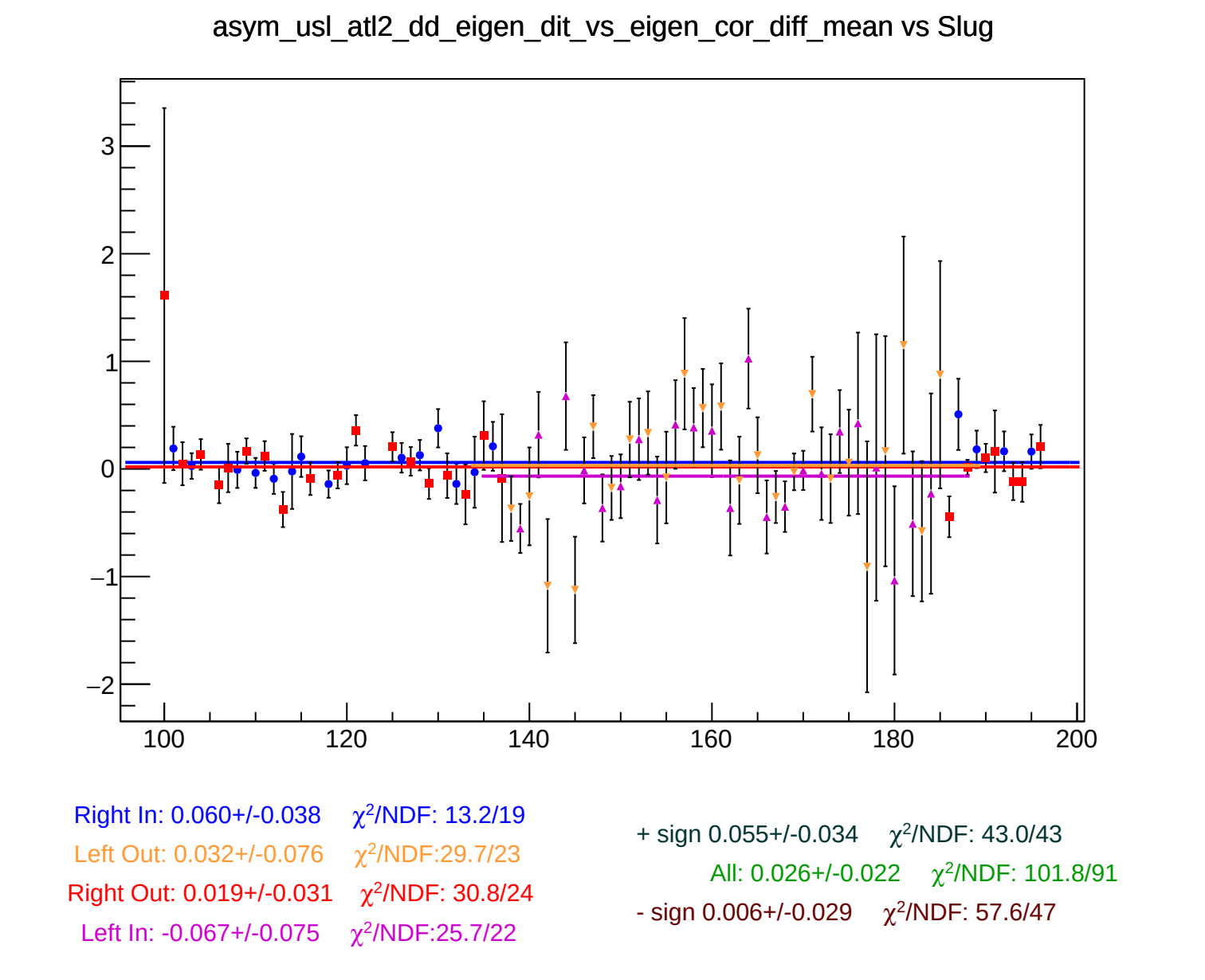
Right Out: 95.678+/-0.022 χ^2/NDF: 2479944.4/24

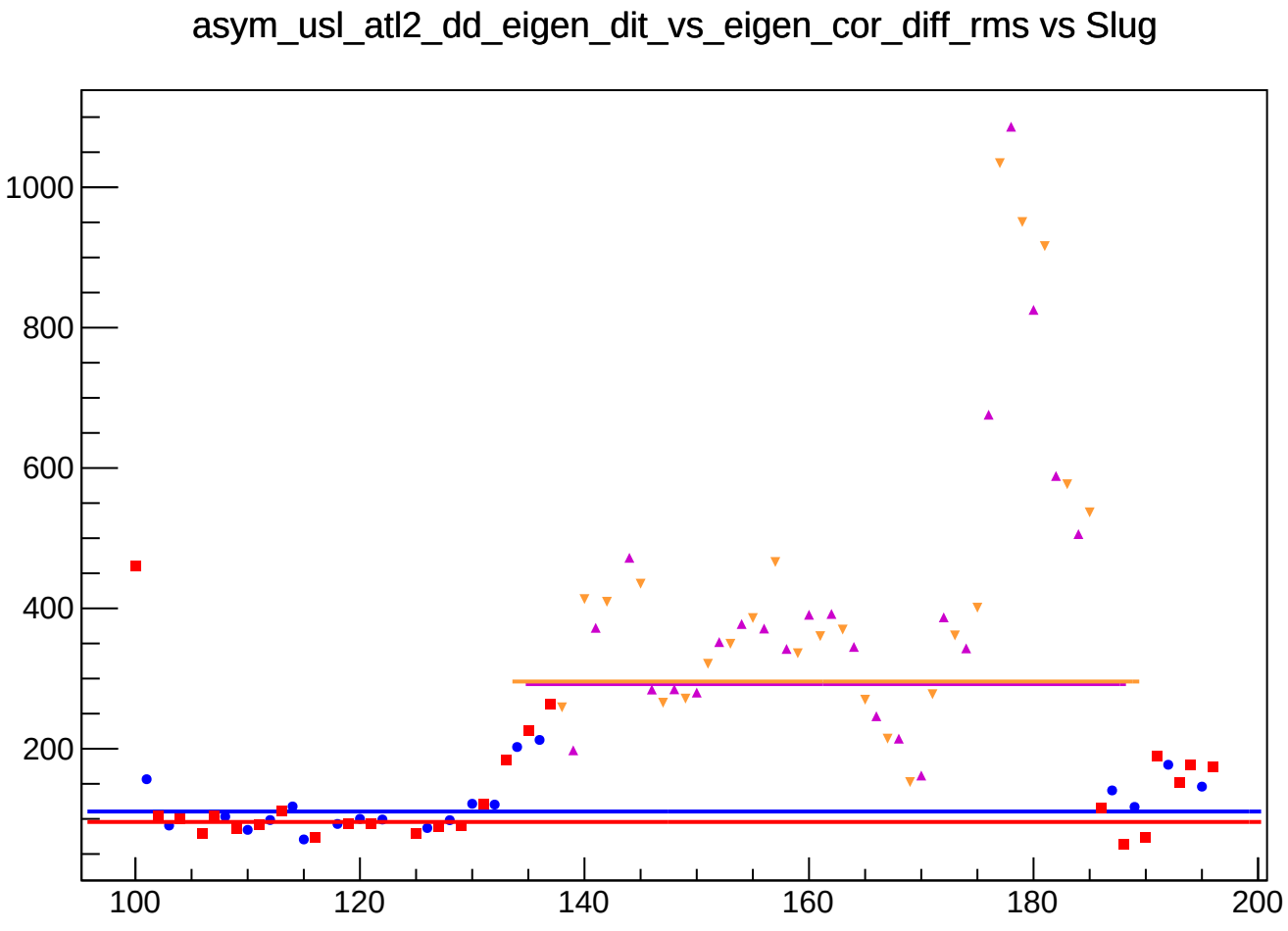
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.086+/-0.024 χ^2/NDF: 16455917.7/43

All: 133.848+/-0.015 χ^2/NDF: 36321430.6/91

- 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: 0.060+/-0.038 χ²/NDF: 13.2/19
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 0.055+/-0.034 χ²/NDF: 43.0/43
All: 0.026+/-0.022 χ²/NDF: 101.8/91
- sign 0.006+/-0.029 χ²/NDF: 57.6/47



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

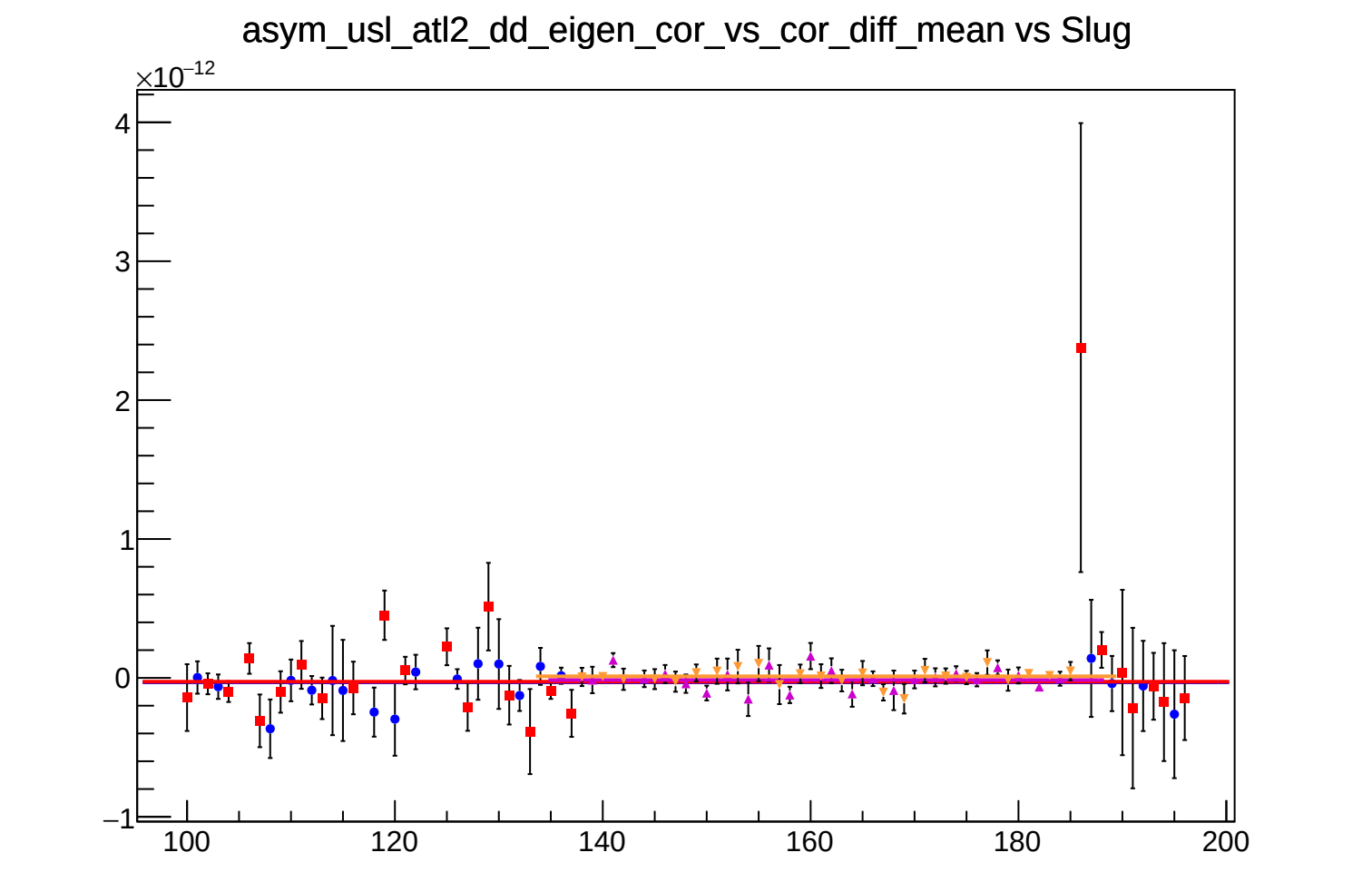
Right Out: 95.678+/-0.022 χ^2/NDF: 2479944.4/24

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.086+/-0.024 χ^2/NDF: 16455917.7/43

All: 133.848+/-0.015 χ^2/NDF: 36321430.6/91

- sign 124.371+/-0.020 χ^2/NDF: 19337631.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

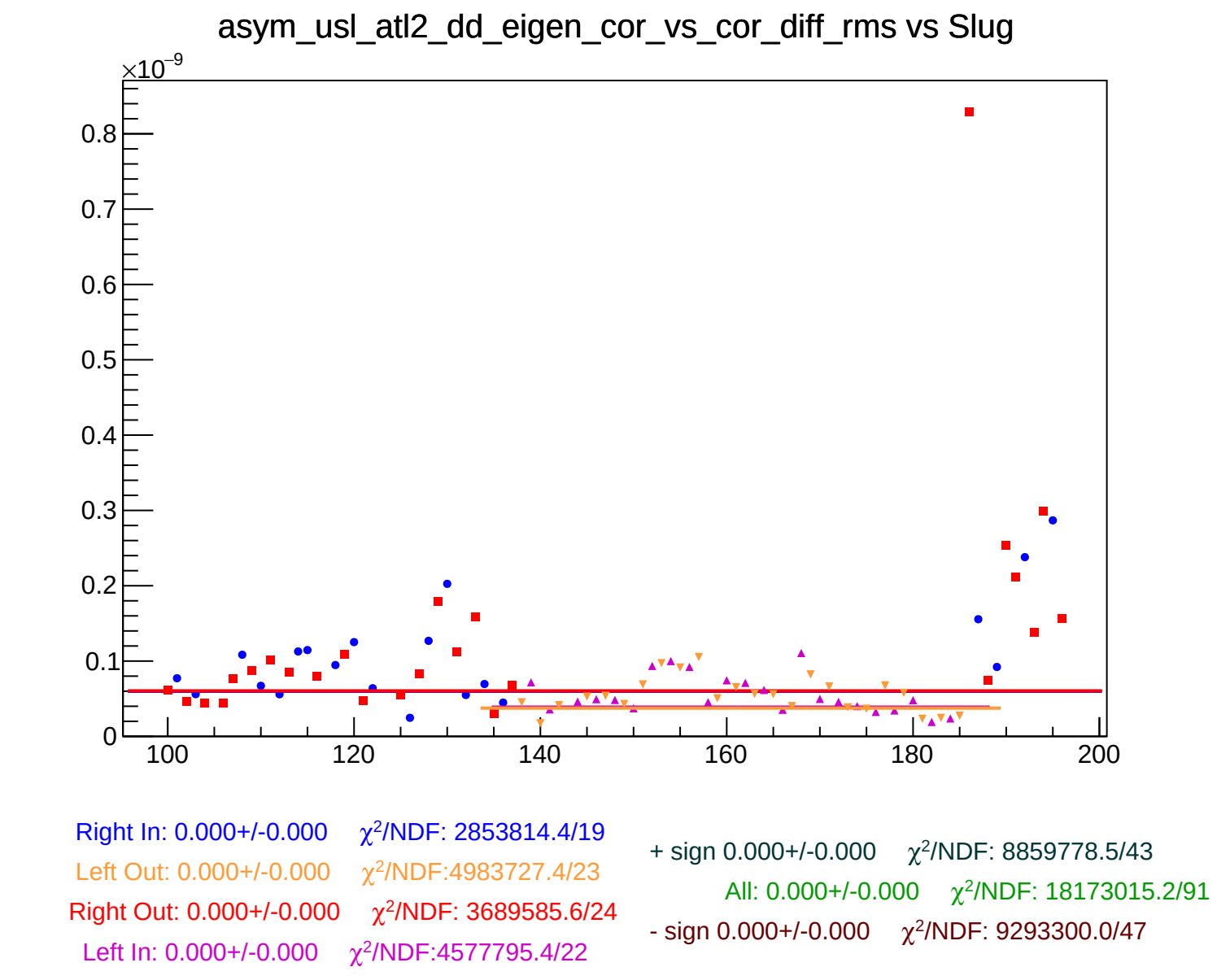
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/24

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

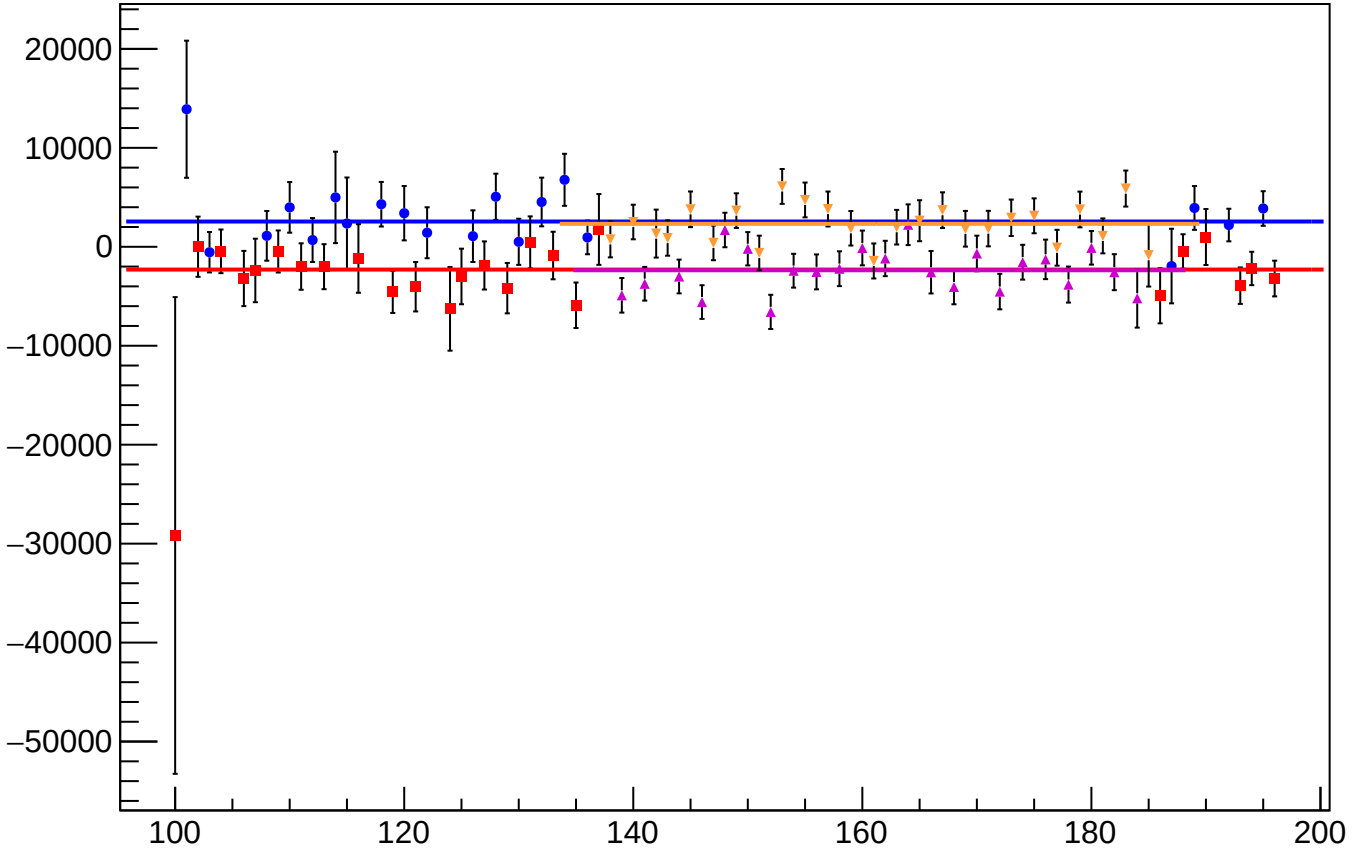
+ sign 0.000+/-0.000 χ^2/NDF: 21.5/43

All: -0.000+/-0.000 χ^2/NDF: 87.5/91

- sign -0.000+/-0.000 χ^2/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: 2853814.4/19
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: 8859778.5/43
All: 0.000+/-0.000 χ²/NDF: 18173015.2/91
- sign 0.000+/-0.000 χ²/NDF: 9293300.0/47

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2554.468+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2301.285+/-486.024 χ^2/NDF: 16.2/24

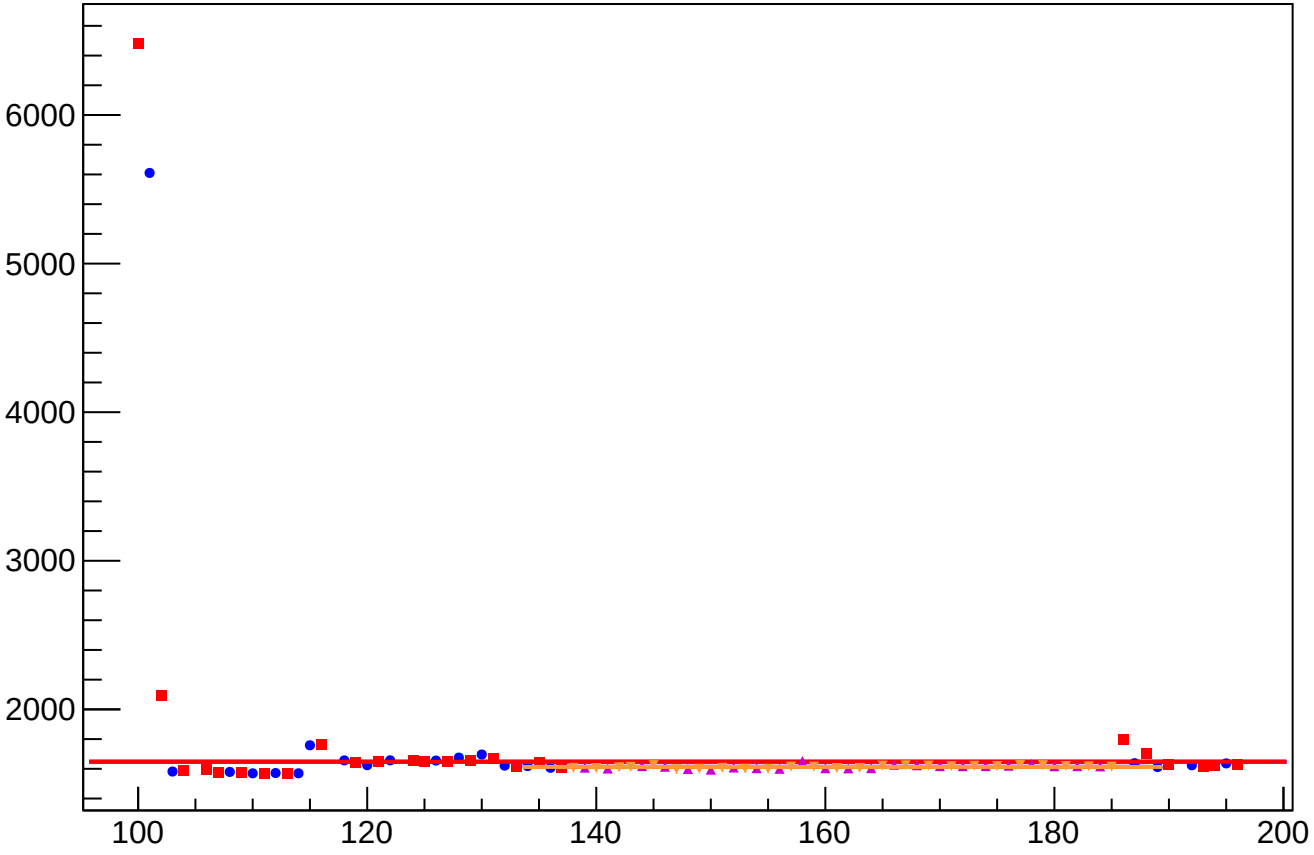
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.481+/-302.320 χ^2/NDF: 43.9/44

All: -10.352+/-212.152 χ^2/NDF: 218.7/92

- sign -2344.597+/-297.788 χ^2/NDF: 50.0/47

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.6/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.229+/-0.344 χ^2/NDF: 145835.3/24

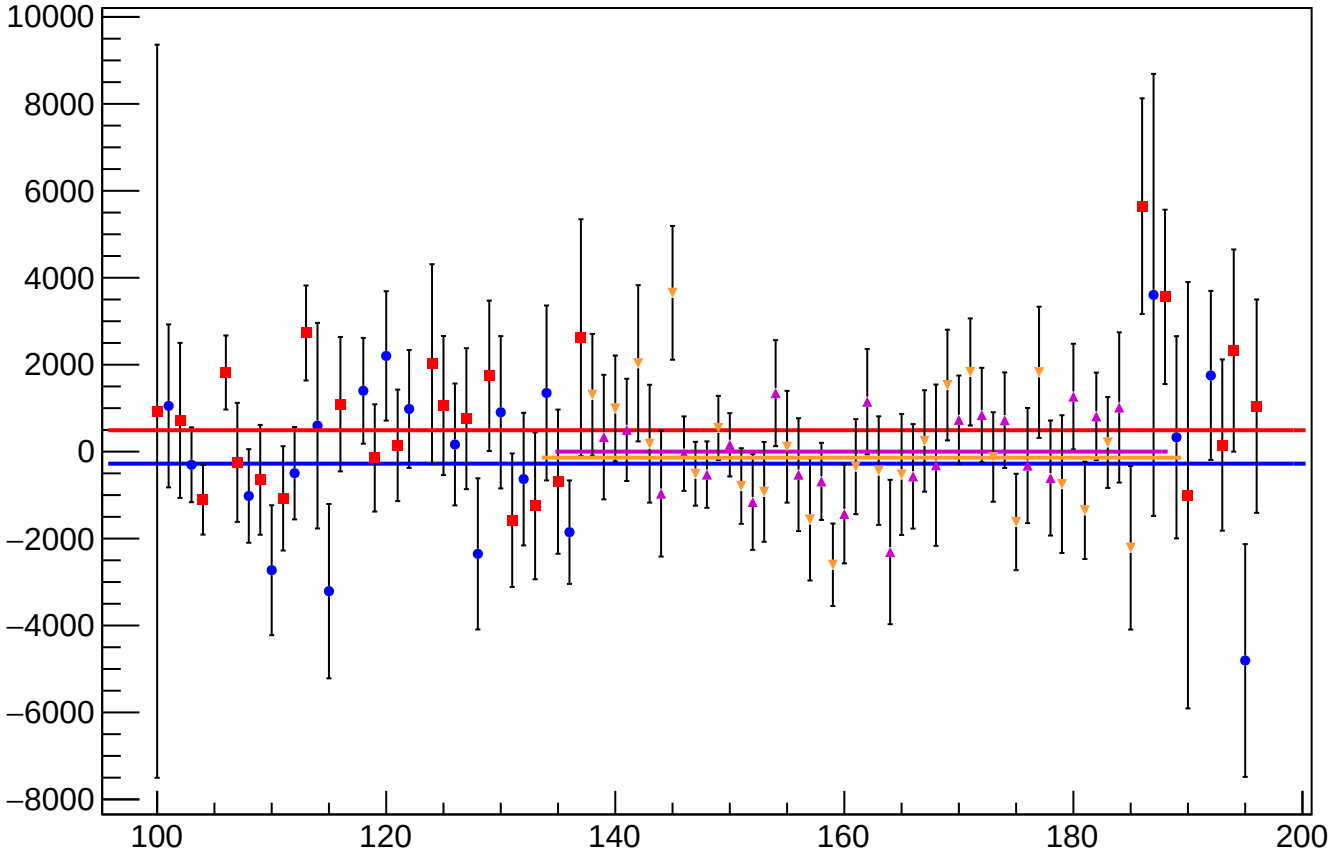
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.7/44

All: 1625.184+/-0.150 χ^2/NDF: 829063.2/92

- sign 1626.345+/-0.211 χ^2/NDF: 154101.8/47

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -276.738+/-331.393 χ^2/NDF: 20.6/19

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 491.928+/-297.878 χ^2/NDF: 26.5/24

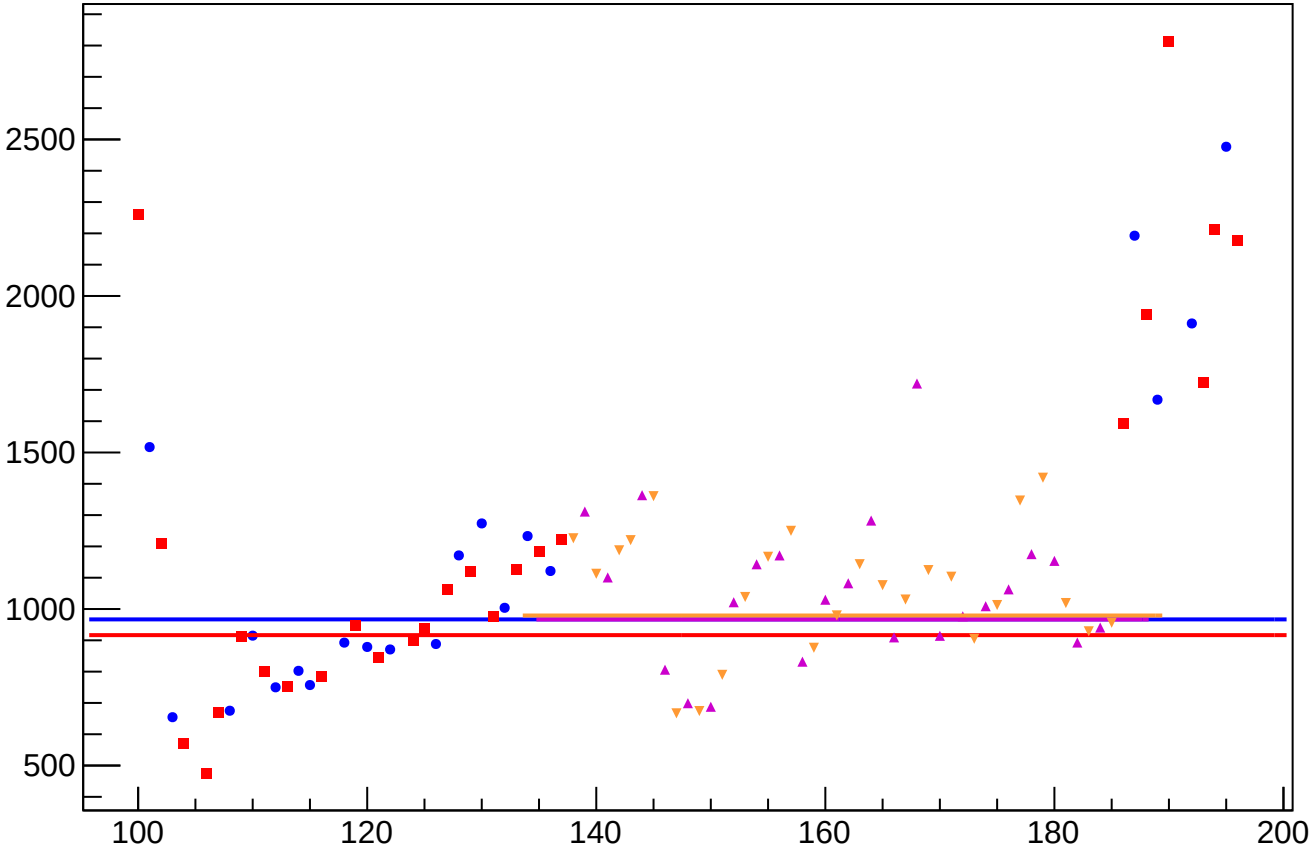
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -183.563+/-188.465 χ^2/NDF: 50.8/44

All: 6.511+/-131.286 χ^2/NDF: 93.9/92

\- sign 185.696+/-182.988 χ^2/NDF: 41.1/47

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 966.855+/-0.234 χ^2/NDF: 2296886.4/19

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 916.597+/-0.211 χ^2/NDF: 3775494.8/24

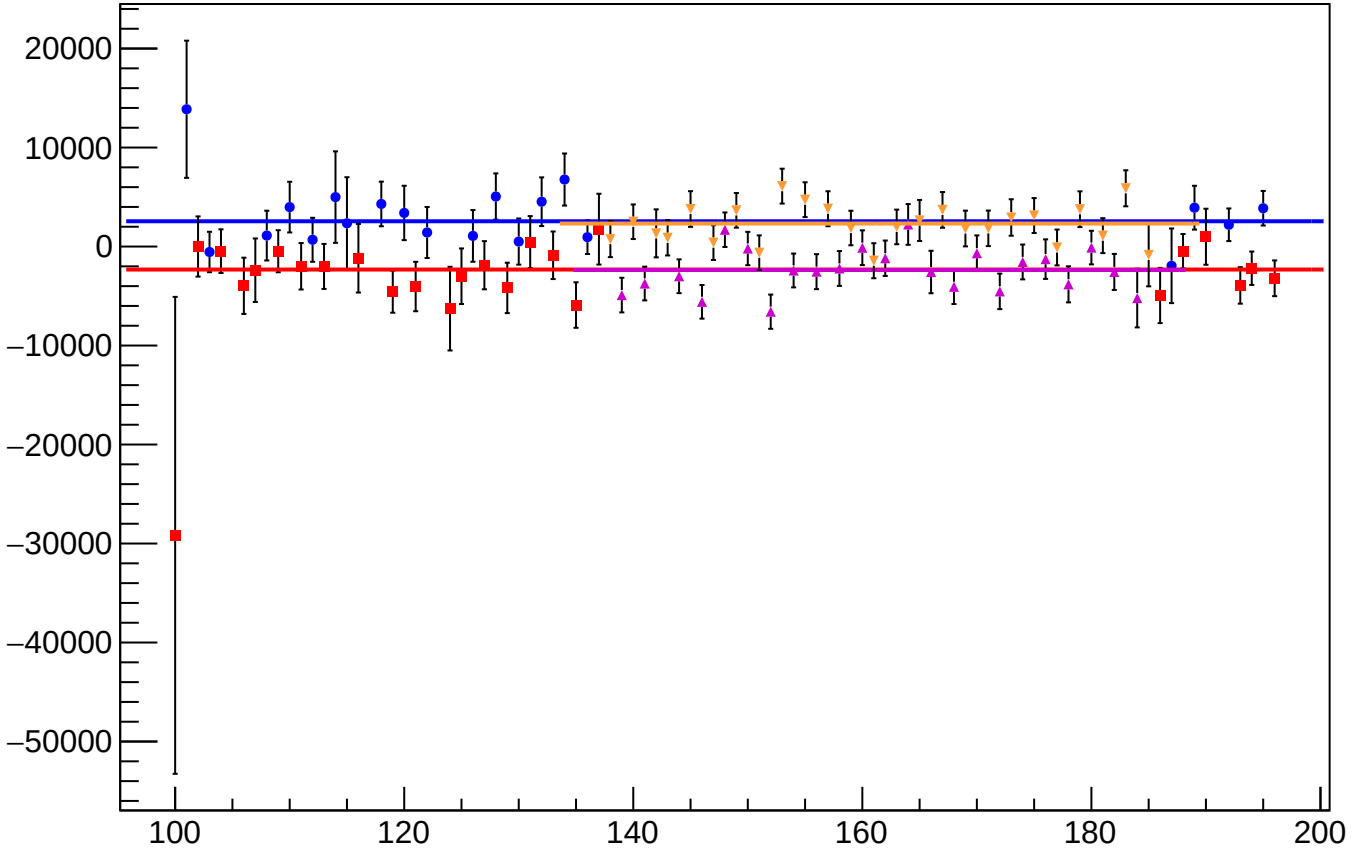
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 975.271+/-0.133 χ^2/NDF: 3929416.3/44

All: 961.071+/-0.093 χ^2/NDF: 9364550.3/92

- sign 947.684+/-0.129 χ^2/NDF: 5413076.5/47

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2554.098+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2322.877+/-486.277 χ^2/NDF: 16.5/24

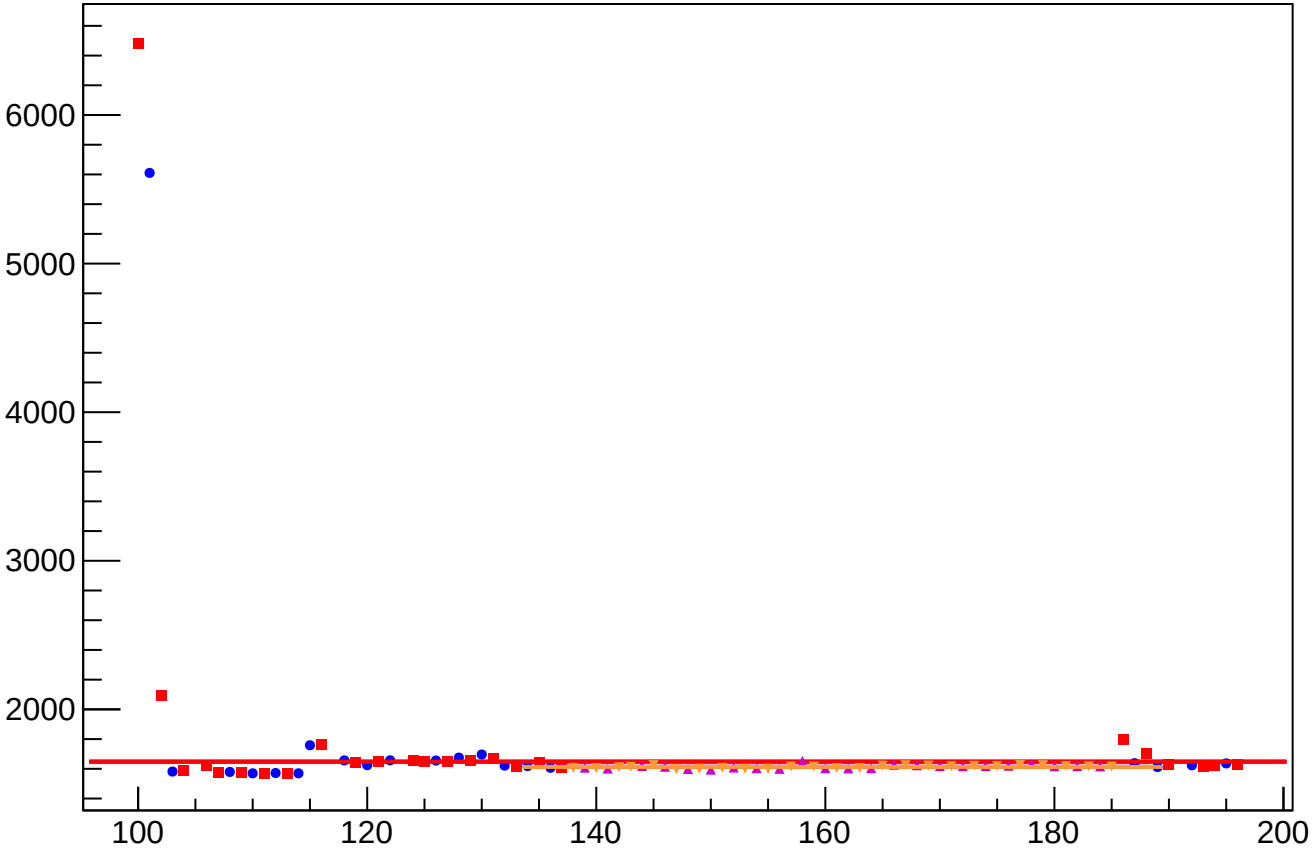
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.334+/-302.320 χ^2/NDF: 43.9/44

All: -14.101+/-212.173 χ^2/NDF: 219.3/92

- sign -2352.758+/-297.847 χ^2/NDF: 50.2/47

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.1/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1648.061+/-0.344 χ^2/NDF: 145270.5/24

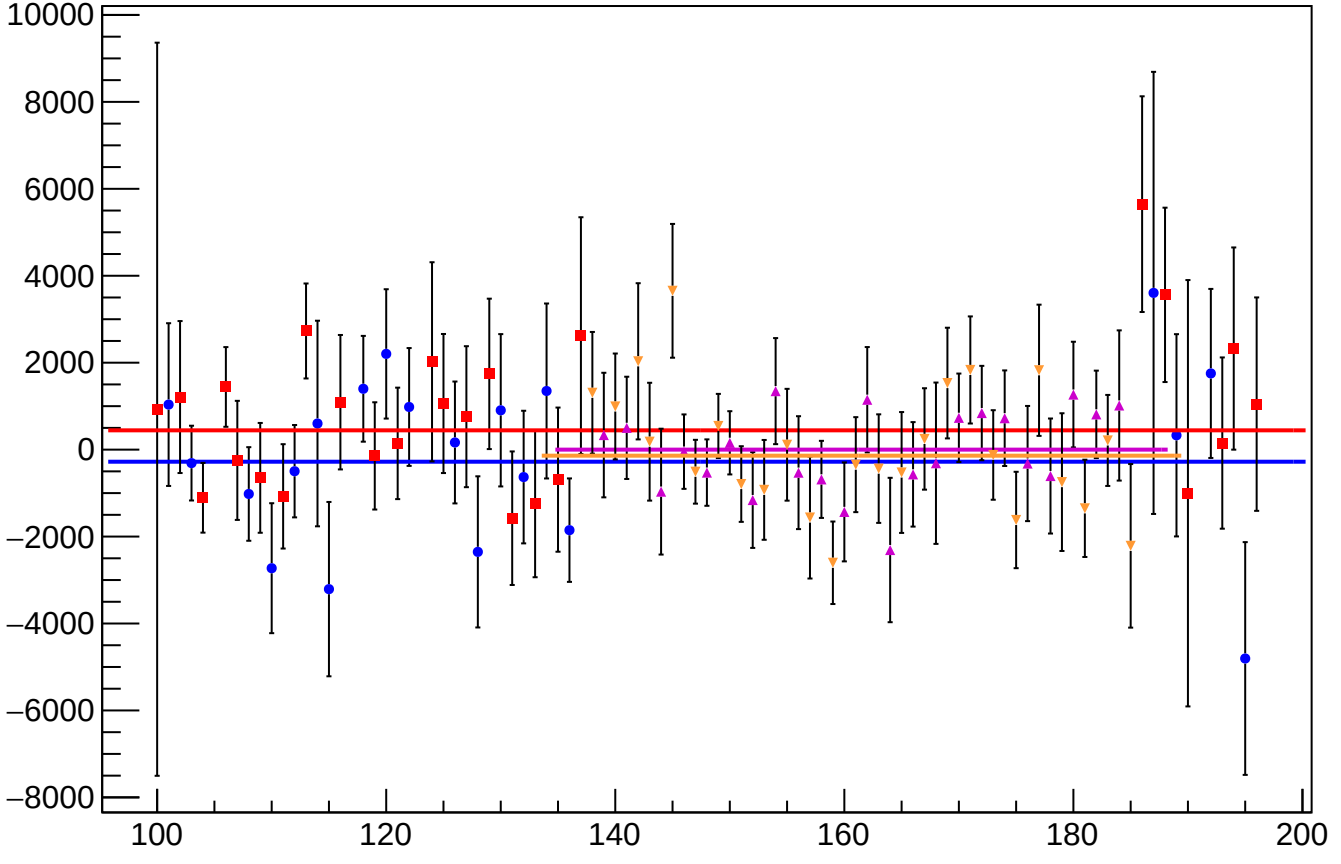
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.2/44

All: 1625.339+/-0.150 χ^2/NDF: 828808.9/92

- sign 1626.649+/-0.211 χ^2/NDF: 153831.1/47

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -277.987+/-331.352 χ^2/NDF: 20.6/19

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 443.866+/-300.265 χ^2/NDF: 25.3/24

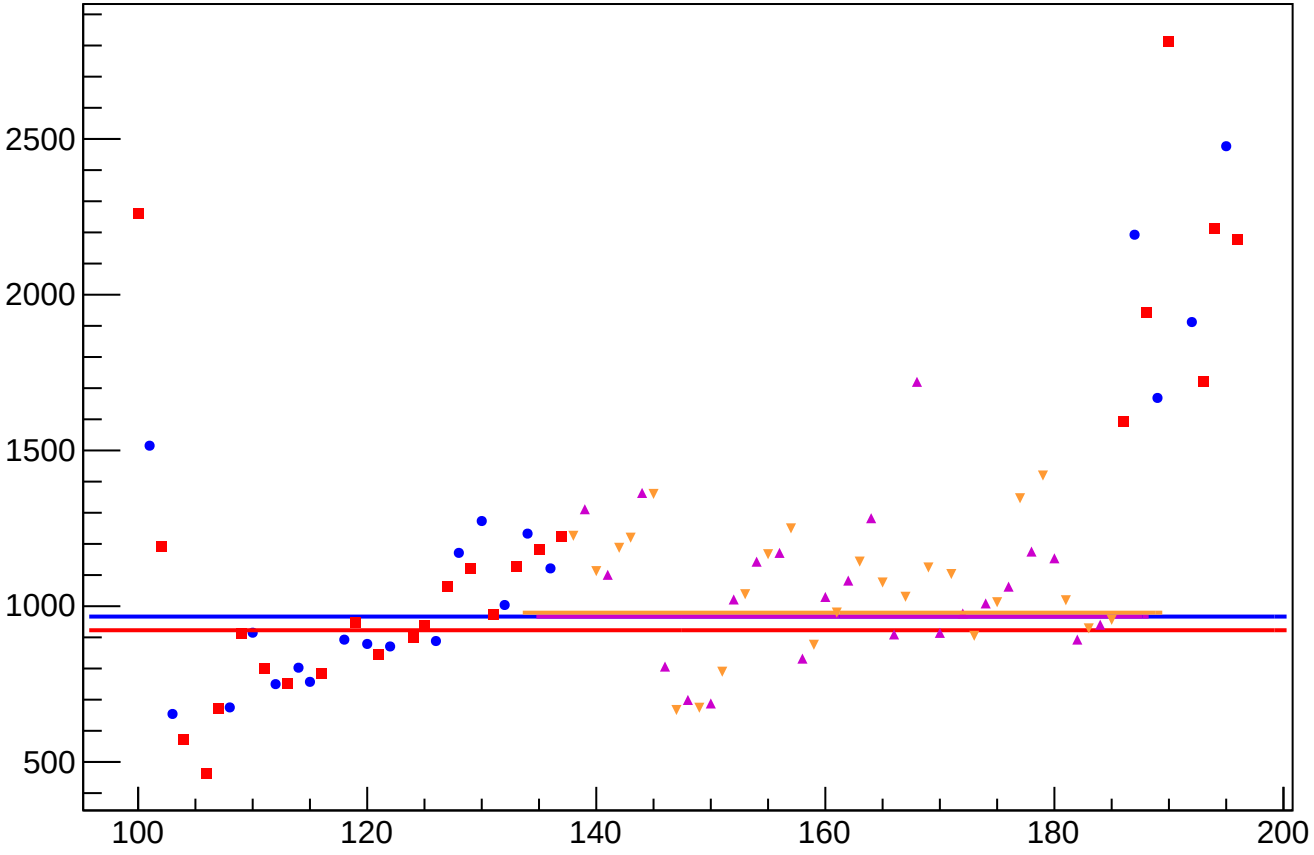
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -184.009+/-188.457 χ^2/NDF: 50.8/44

All: -4.436+/-131.486 χ^2/NDF: 92.1/92

- sign 165.883+/-183.538 χ^2/NDF: 39.5/47

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 966.743+/-0.234 χ^2/NDF: 2296944.3/19

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

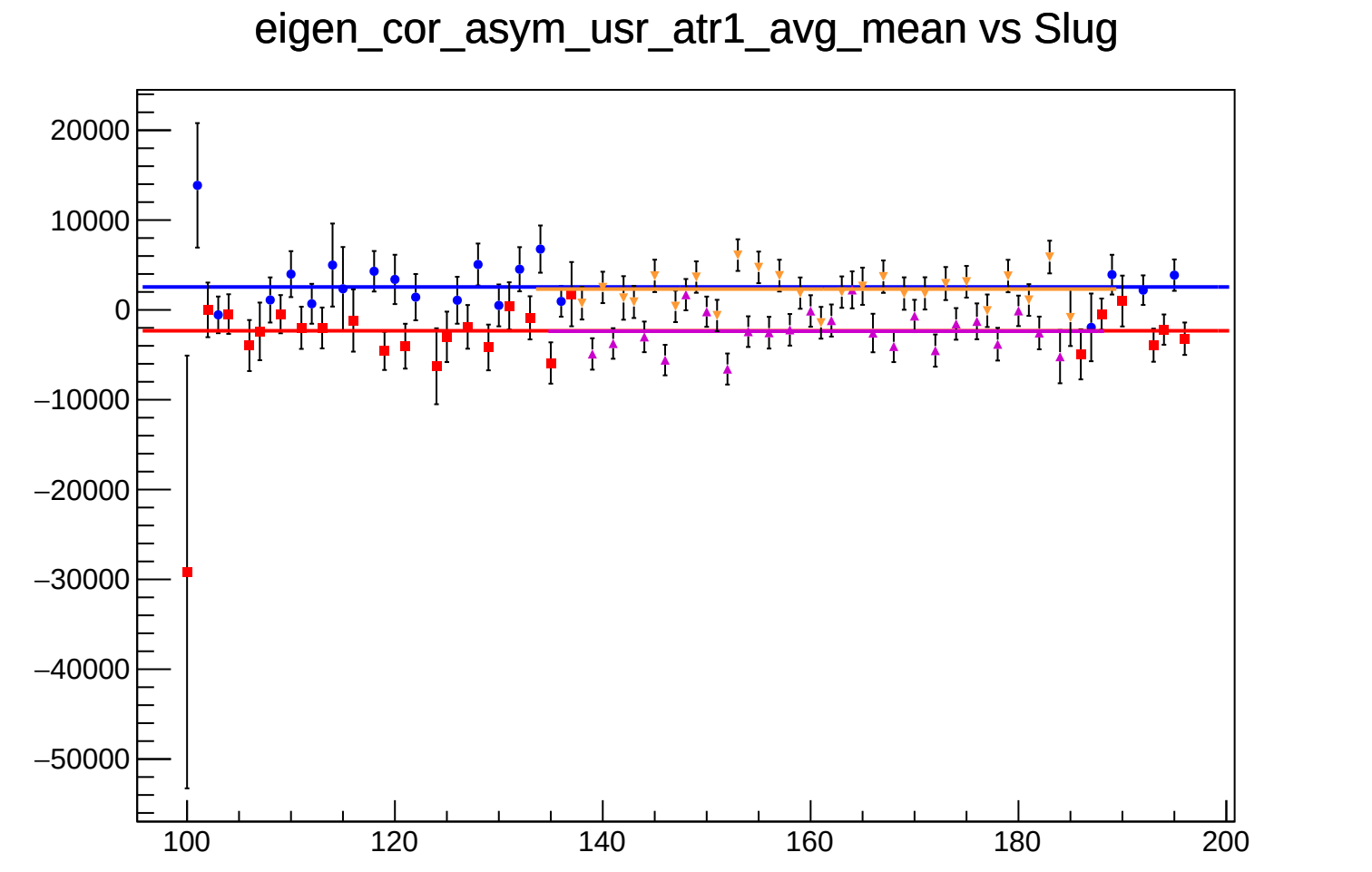
Right Out: 922.851+/-0.212 χ^2/NDF: 3718507.8/24

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 975.230+/-0.133 χ^2/NDF: 3929615.1/44

All: 962.390+/-0.093 χ^2/NDF: 9295285.6/92

- sign 950.211+/-0.130 χ^2/NDF: 5347580.4/47



Right In: 2554.098+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2322.877+/-486.277 χ^2/NDF: 16.5/24

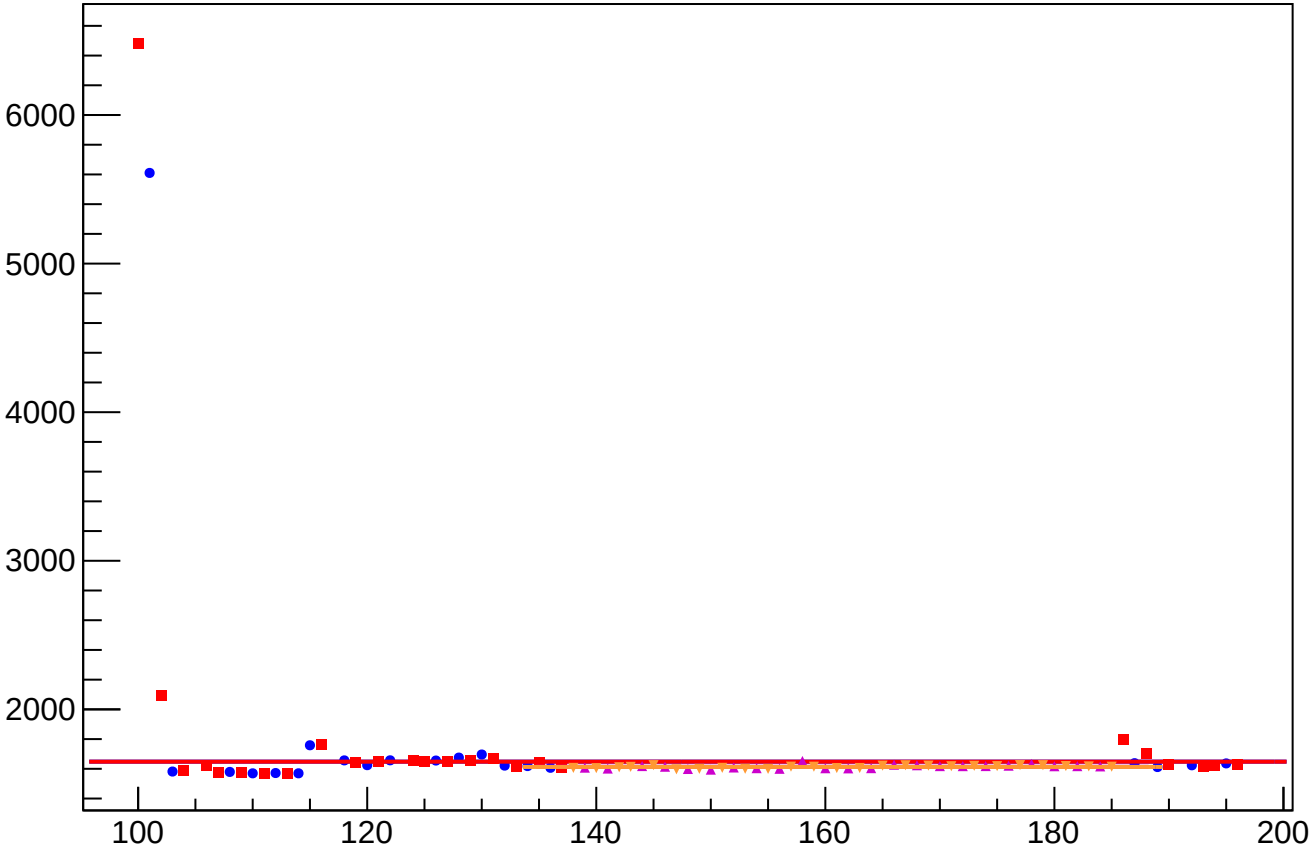
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.334+/-302.320 χ^2/NDF: 43.9/44

All: -14.101+/-212.173 χ^2/NDF: 219.3/92

- sign -2352.758+/-297.847 χ^2/NDF: 50.2/47

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.1/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

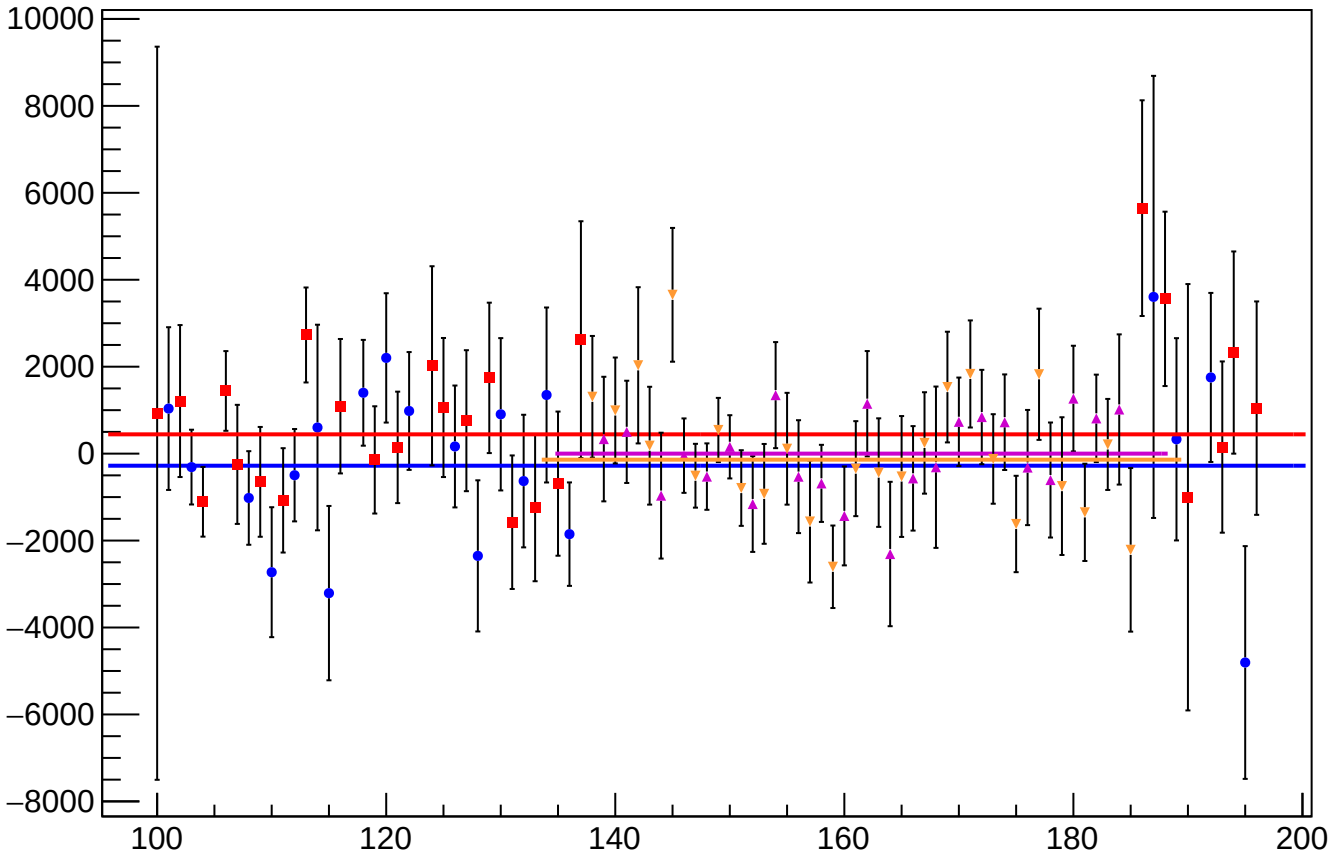
Right Out: 1648.061+/-0.344 χ^2/NDF: 145270.5/24

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.2/44

All: 1625.339+/-0.150 χ^2/NDF: 828808.9/92

- sign 1626.649+/-0.211 χ^2/NDF: 153831.1/47



Right In: -277.987+/-331.352 χ^2/NDF: 20.6/19

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

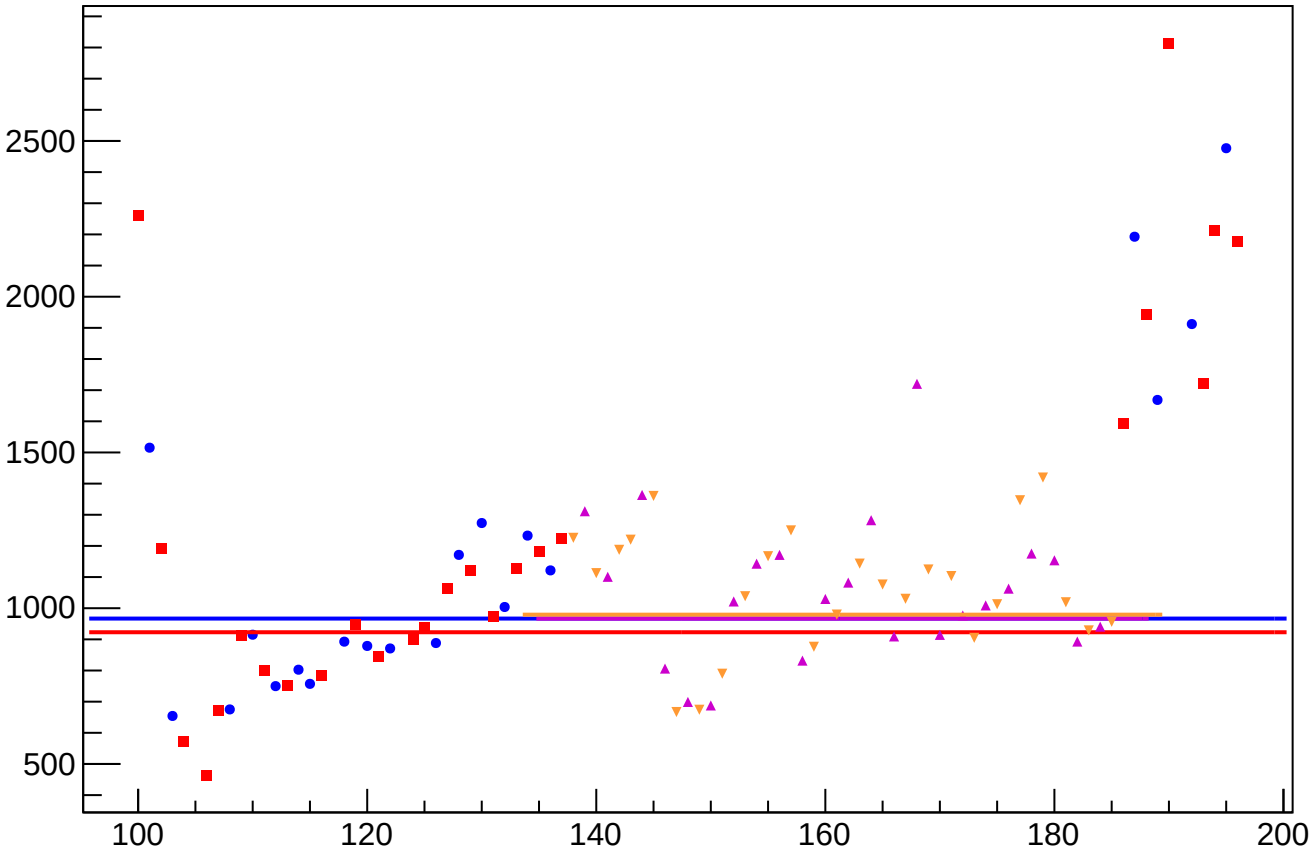
Right Out: 443.866+/-300.265 χ^2/NDF: 25.3/24

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -184.009+/-188.457 χ^2/NDF: 50.8/44

All: -4.436+/-131.486 χ^2/NDF: 92.1/92

\- sign 165.883+/-183.538 χ^2/NDF: 39.5/47



Right In: 966.743+/-0.234 χ^2/NDF: 2296944.3/19

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

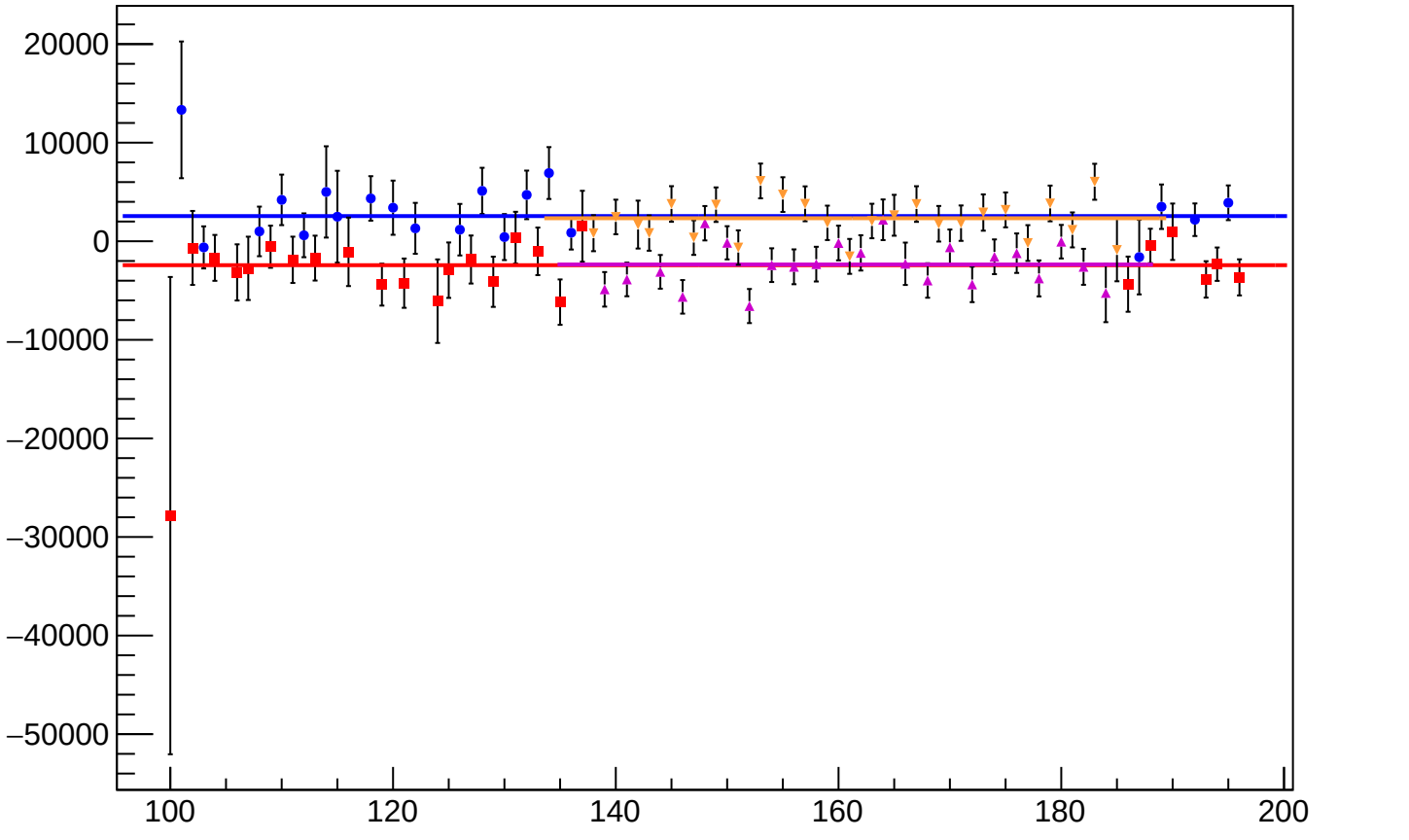
Right Out: 922.851+/-0.212 χ^2/NDF: 3718507.8/24

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 975.230+/-0.133 χ^2/NDF: 3929615.1/44

All: 962.390+/-0.093 χ^2/NDF: 9295285.6/92

- sign 950.211+/-0.130 χ^2/NDF: 5347580.4/47



Right In: 2553.634+/-538.909 χ^2/NDF: 16.2/19

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2427.776+/-491.317 χ^2/NDF: 14.8/24

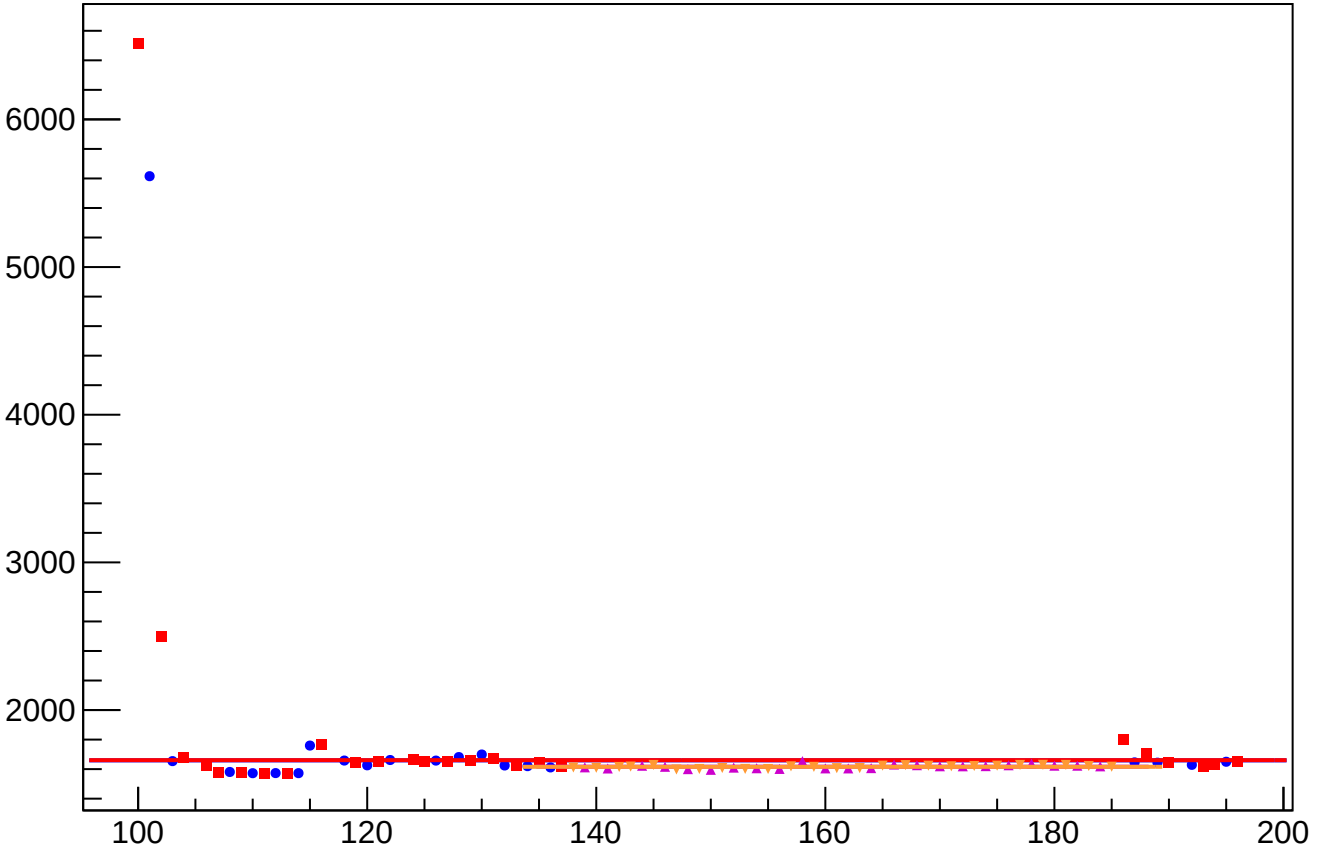
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2404.159+/-303.335 χ^2/NDF: 44.6/44

All: -22.702+/-213.047 χ^2/NDF: 219.7/92

- sign -2385.332+/-299.294 χ^2/NDF: 48.8/47

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1659.164+/-0.381 χ^2/NDF: 664017.0/19

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

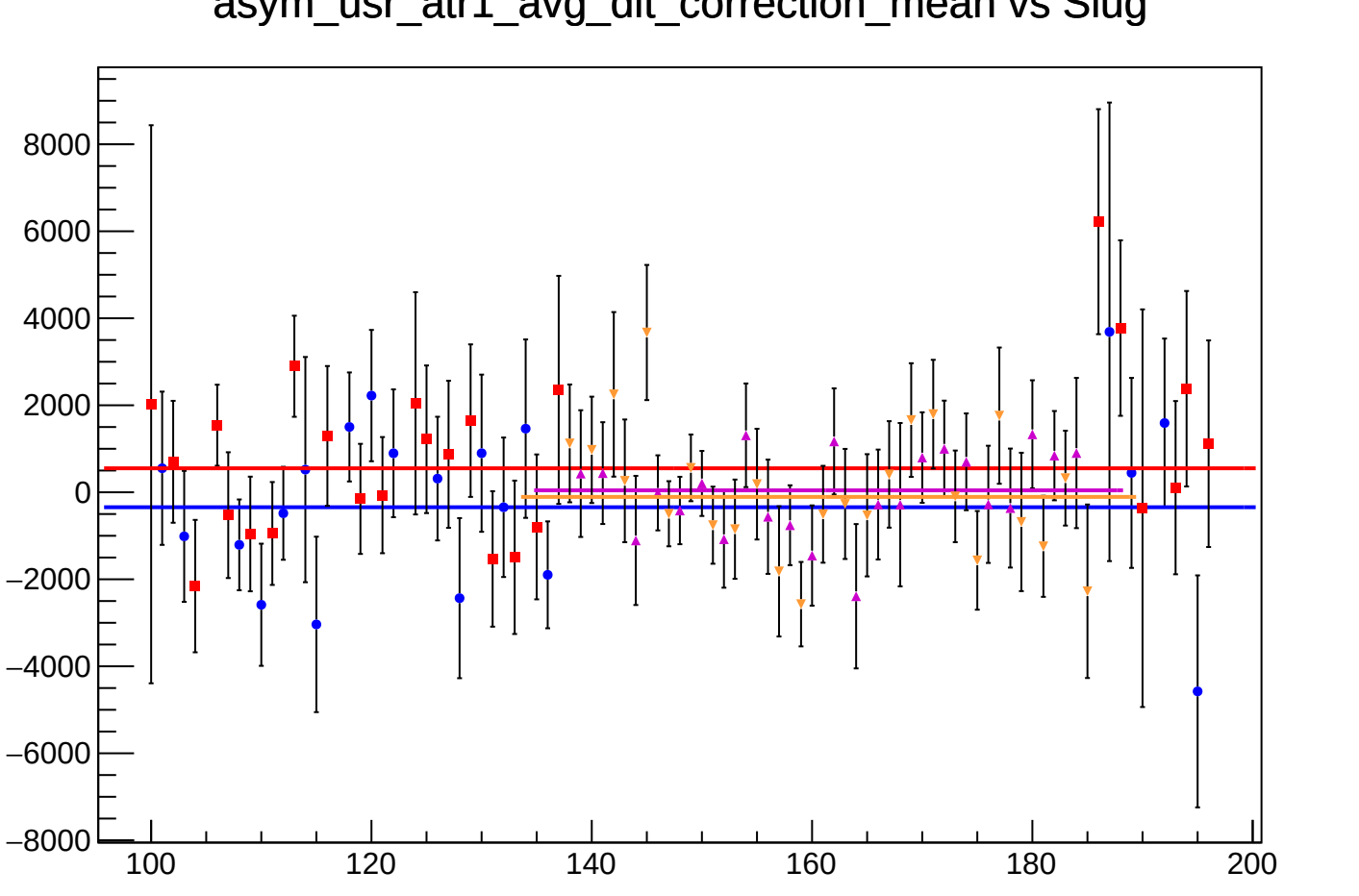
Right Out: 1660.705+/-0.347 χ^2/NDF: 201481.1/24

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.425+/-0.214 χ^2/NDF: 674379.4/44

All: 1631.143+/-0.151 χ^2/NDF: 888791.4/92

- sign 1632.816+/-0.212 χ^2/NDF: 214285.3/47



Right In: -343.659+/-352.715 χ^2/NDF: 20.0/19

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 551.513+/-321.244 χ^2/NDF: 26.0/24

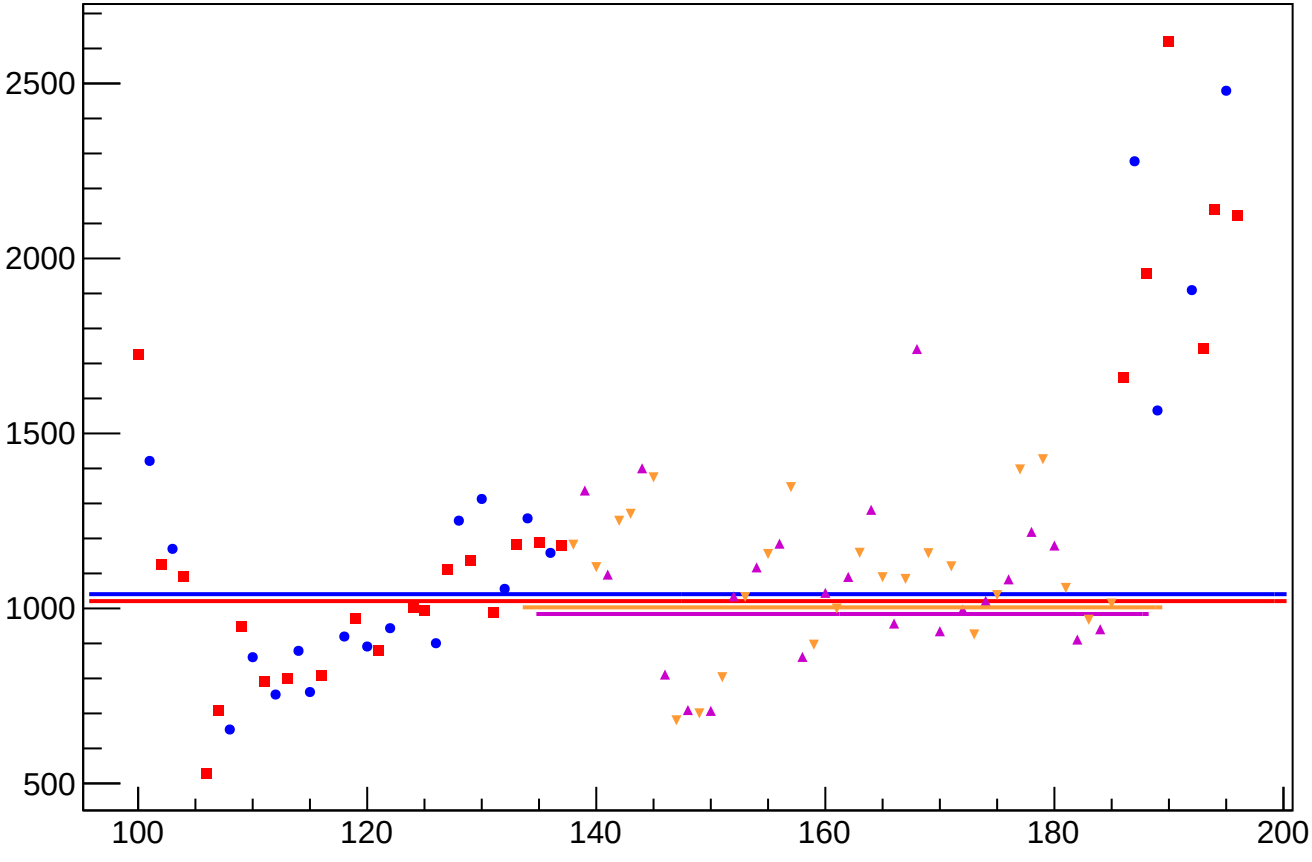
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -179.000+/-195.168 χ^2/NDF: 49.3/44

All: 26.792+/-136.160 χ^2/NDF: 91.9/92

\- sign 221.938+/-190.053 χ^2/NDF: 40.4/47

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1040.770+/-0.249 χ^2/NDF: 1993643.3/19

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1020.928+/-0.227 χ^2/NDF: 2956507.0/24

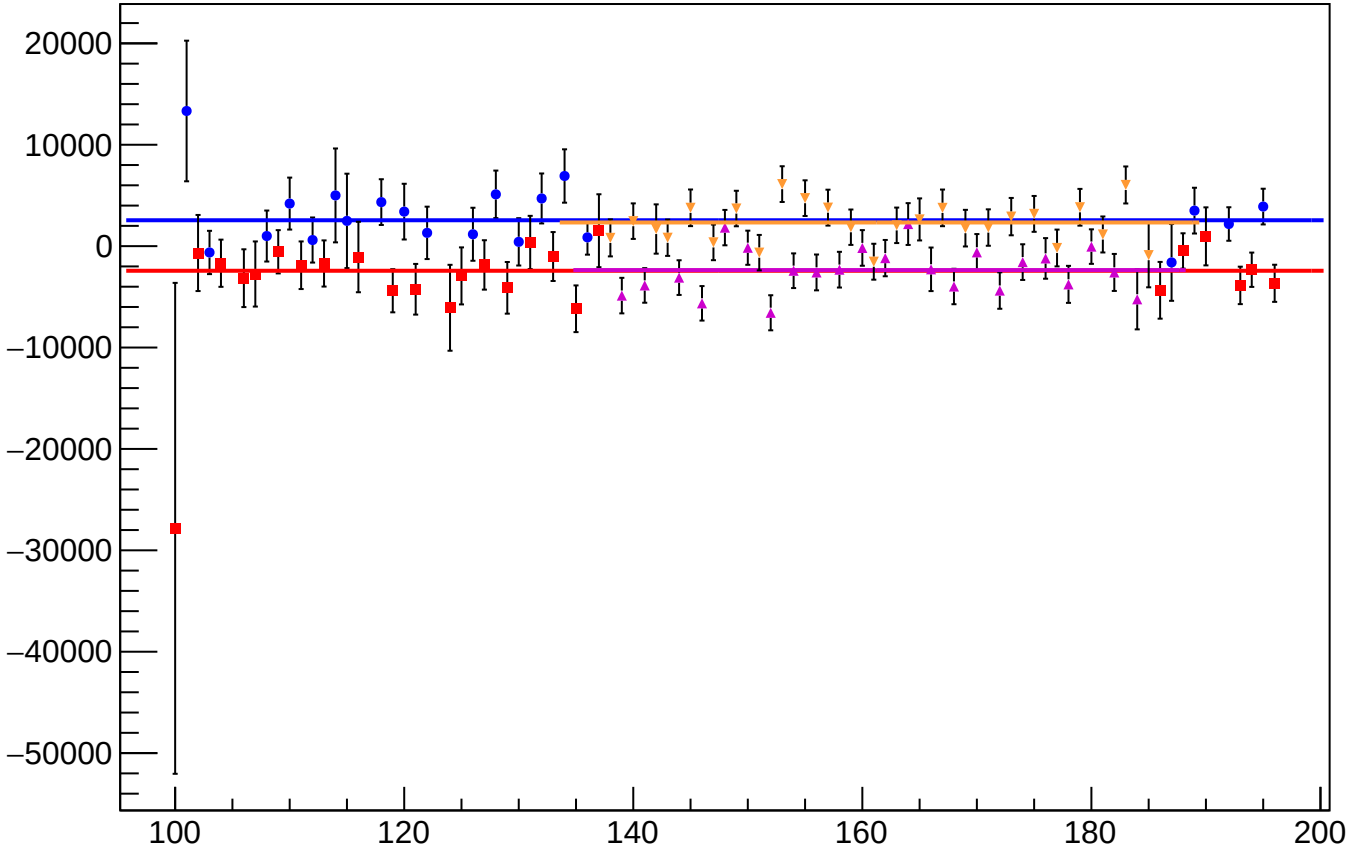
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1014.634+/-0.138 χ^2/NDF: 3607885.6/44

All: 1005.562+/-0.096 χ^2/NDF: 8149501.9/92

- sign 996.960+/-0.134 χ^2/NDF: 4533197.6/47

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2553.633+/-538.909 χ^2/NDF: 16.2/19

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2427.774+/-491.316 χ^2/NDF: 14.8/24

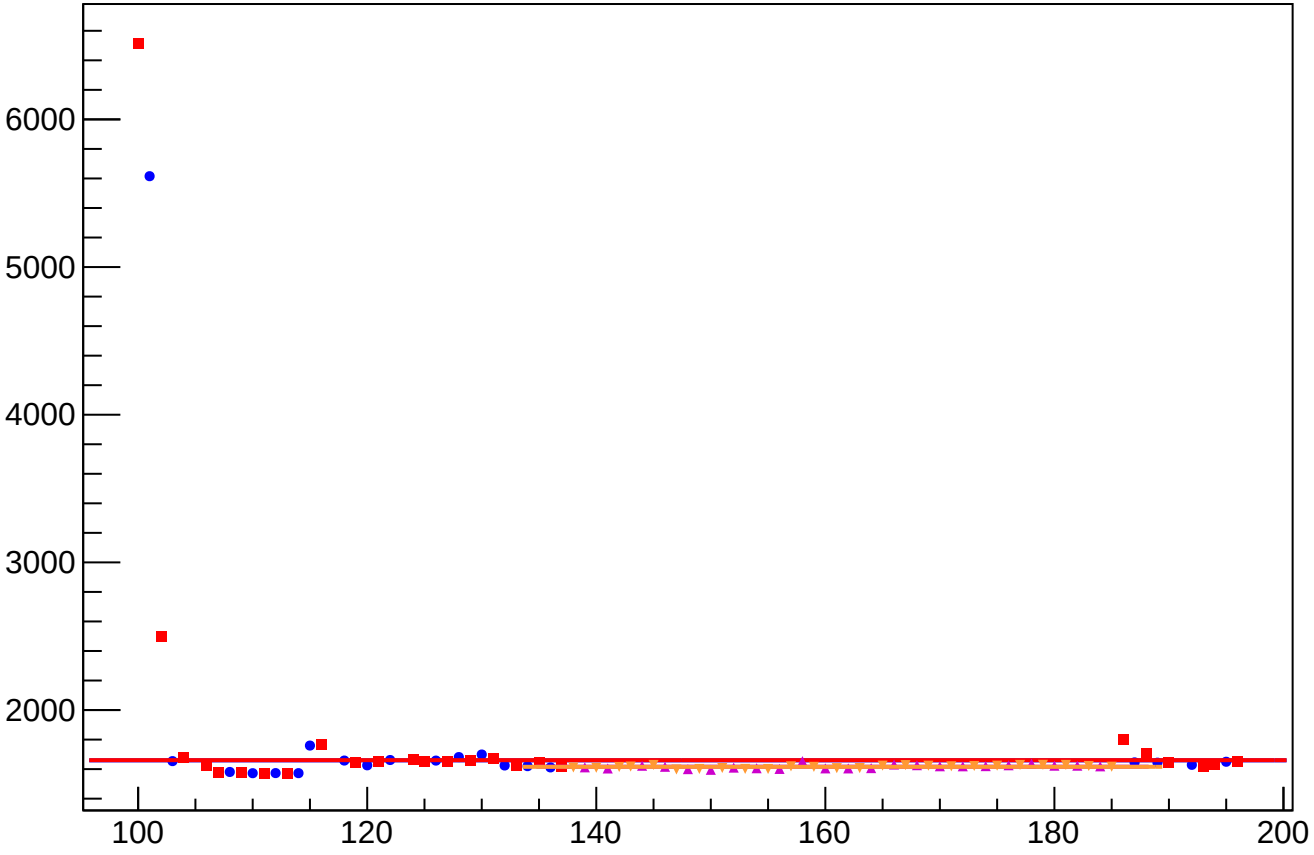
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2404.158+/-303.335 χ^2/NDF: 44.6/44

All: -22.702+/-213.047 χ^2/NDF: 219.7/92

- sign -2385.331+/-299.294 χ^2/NDF: 48.8/47

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1659.164+/-0.381 χ^2/NDF: 664017.0/19

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

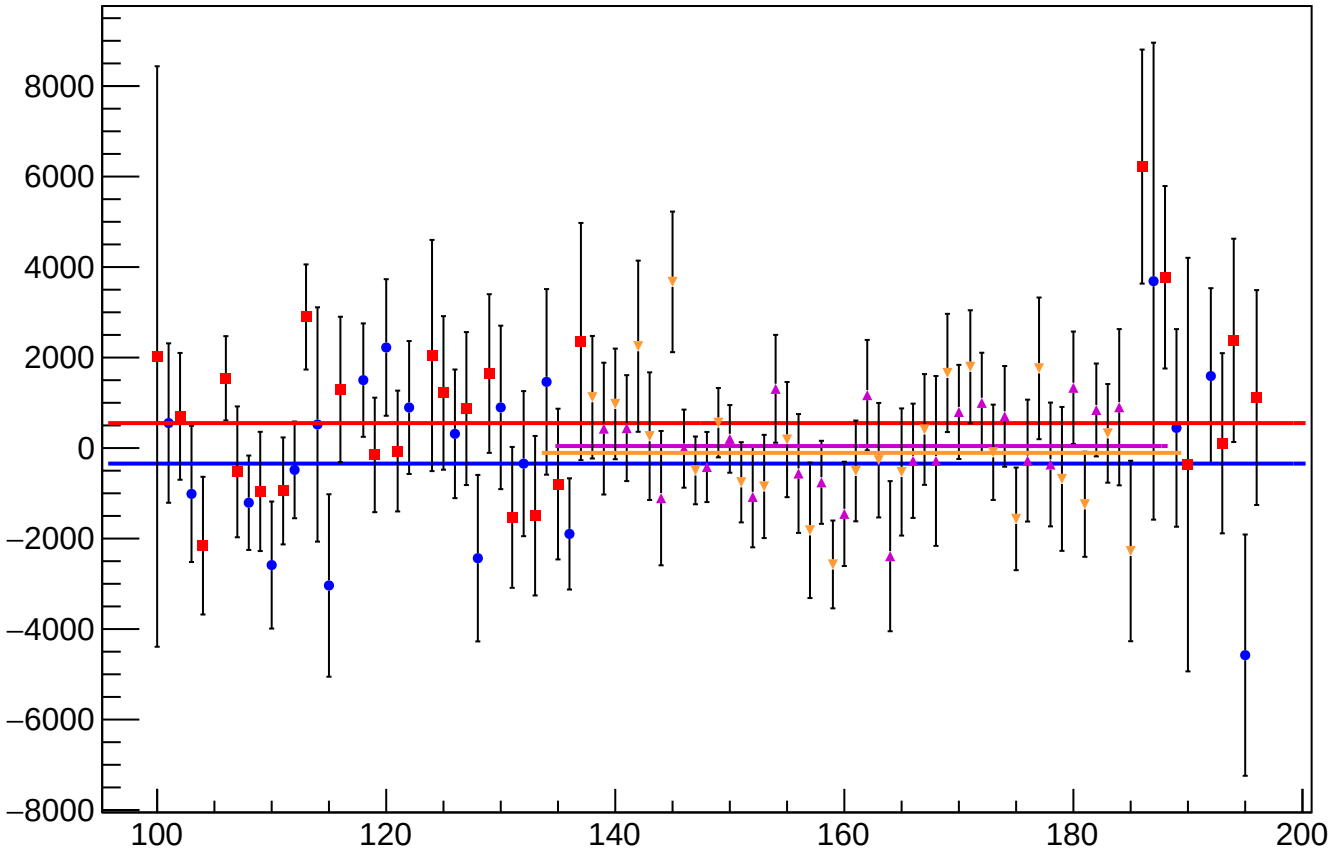
Right Out: 1660.705+/-0.347 χ^2/NDF: 201481.0/24

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.425+/-0.214 χ^2/NDF: 674379.3/44

All: 1631.143+/-0.151 χ^2/NDF: 888791.1/92

- sign 1632.816+/-0.212 χ^2/NDF: 214285.1/47



Right In: -343.658+/-352.713 χ^2/NDF: 20.0/19

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

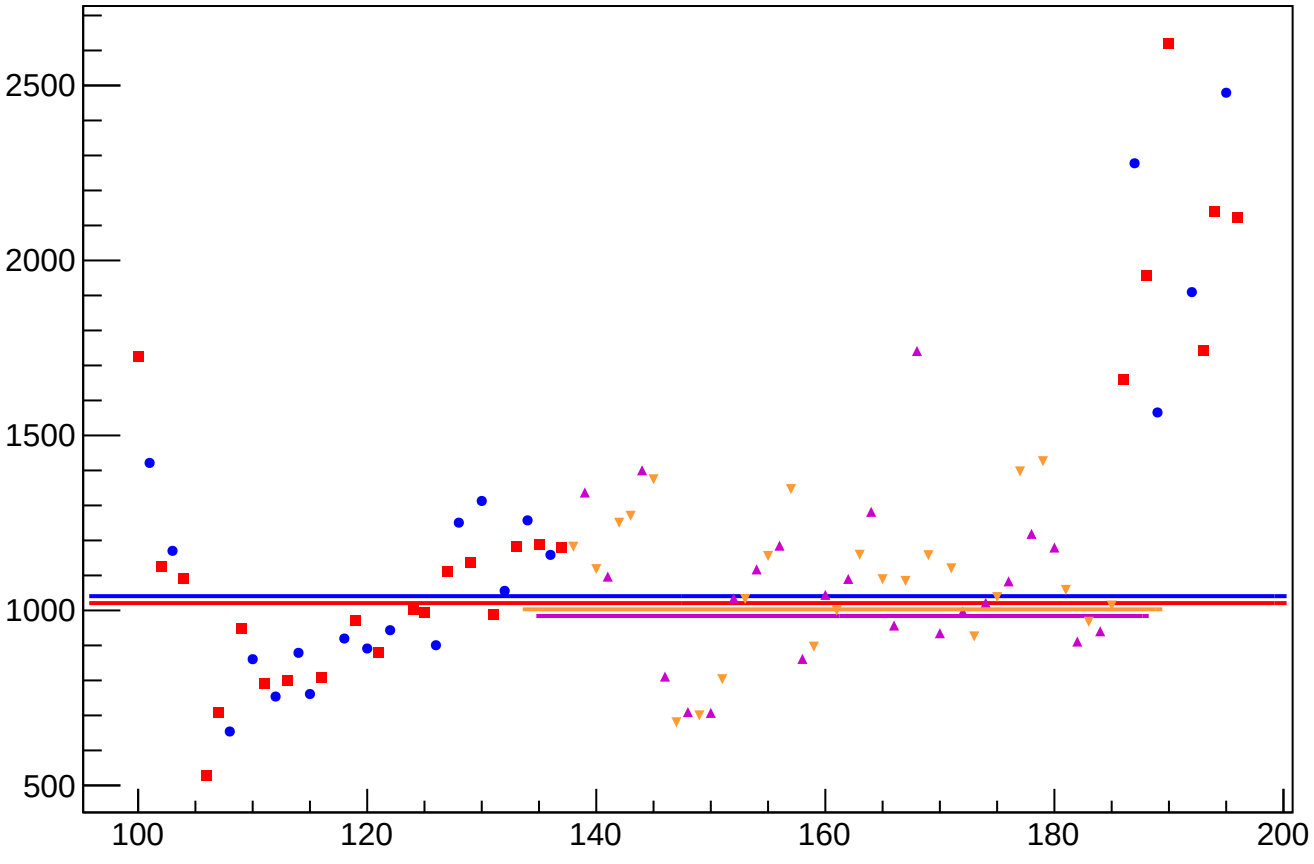
Right Out: 551.510+/-321.243 χ^2/NDF: 26.0/24

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -179.001+/-195.168 χ^2/NDF: 49.3/44

All: 26.792+/-136.160 χ^2/NDF: 91.9/92

- sign 221.938+/-190.053 χ^2/NDF: 40.4/47



Right In: 1040.765+/-0.249 χ^2/NDF: 1993662.8/19

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1020.926+/-0.227 χ^2/NDF: 2956520.5/24

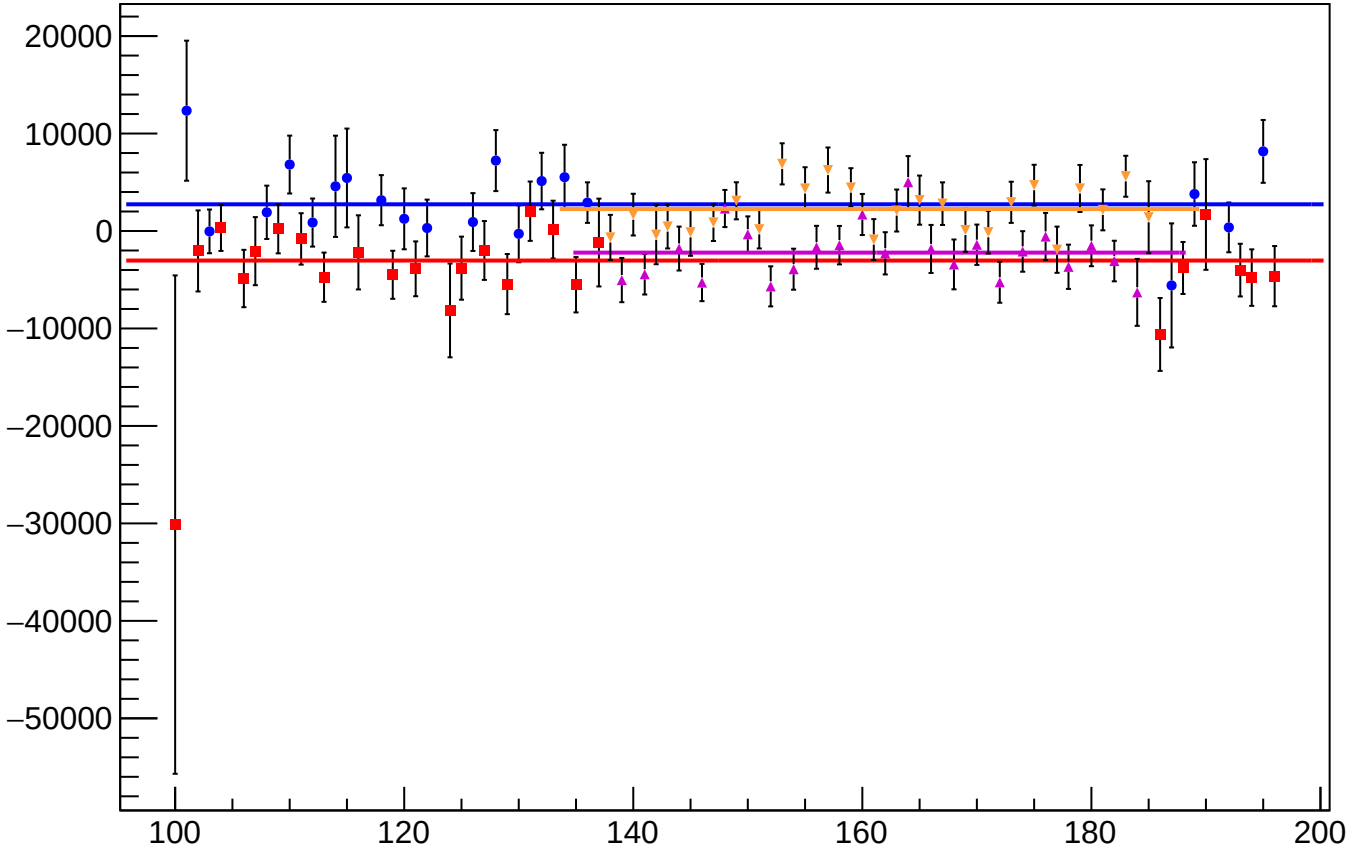
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1014.634+/-0.138 χ^2/NDF: 3607902.0/44

All: 1005.563+/-0.096 χ^2/NDF: 8149529.3/92

- sign 996.960+/-0.134 χ^2/NDF: 4533208.8/47

asym_usr_atr1_avg_mean vs Slug



Right In: 2739.858+/-671.303 χ^2/NDF: 17.6/19

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3031.388+/-619.266 χ^2/NDF: 19.4/24

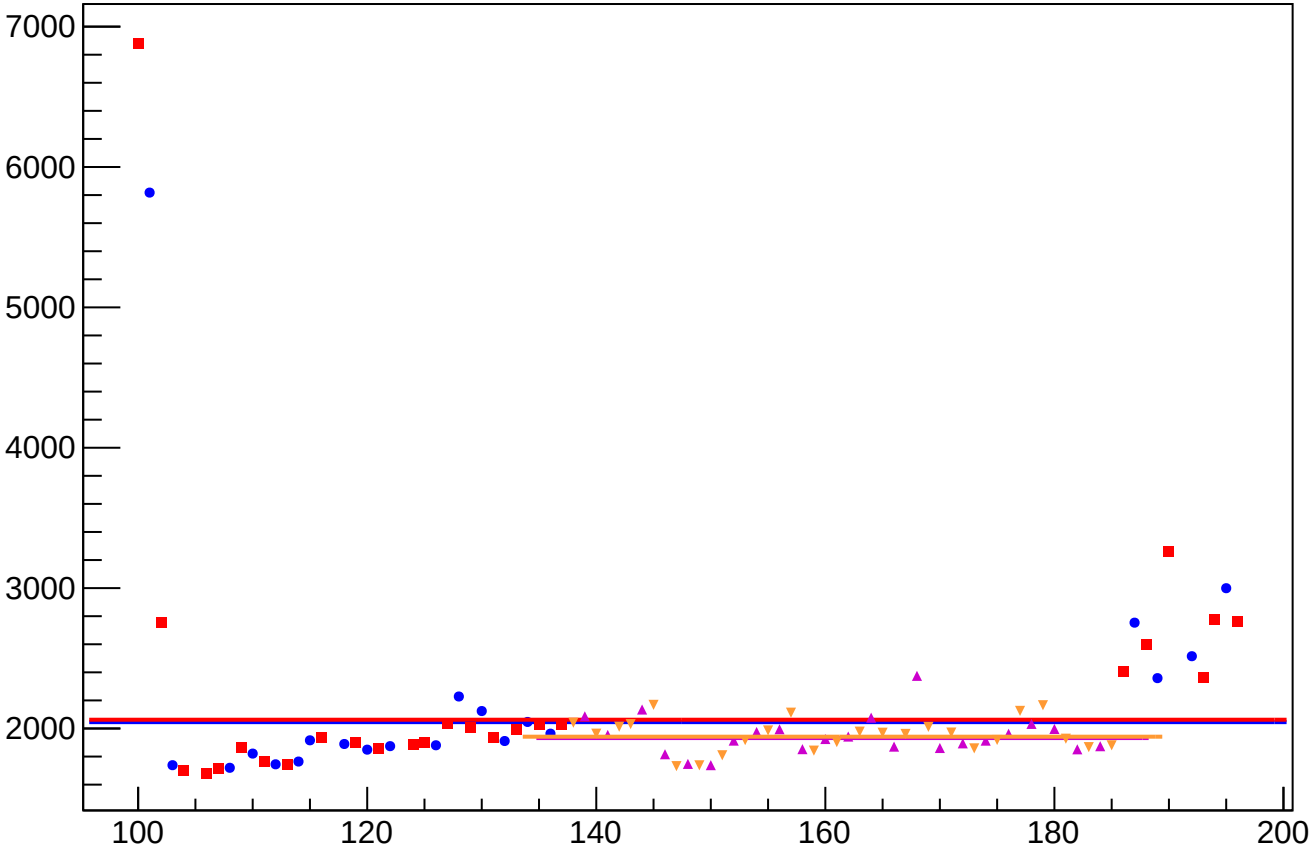
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2399.900+/-369.289 χ^2/NDF: 46.3/44

All: -77.978+/-259.685 χ^2/NDF: 187.4/92

- sign -2501.863+/-365.243 χ^2/NDF: 52.1/47

asym_usr_atr1_avg_rms vs Slug



Right In: 2045.178+/-0.475 χ^2/NDF: 995423.0/19

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

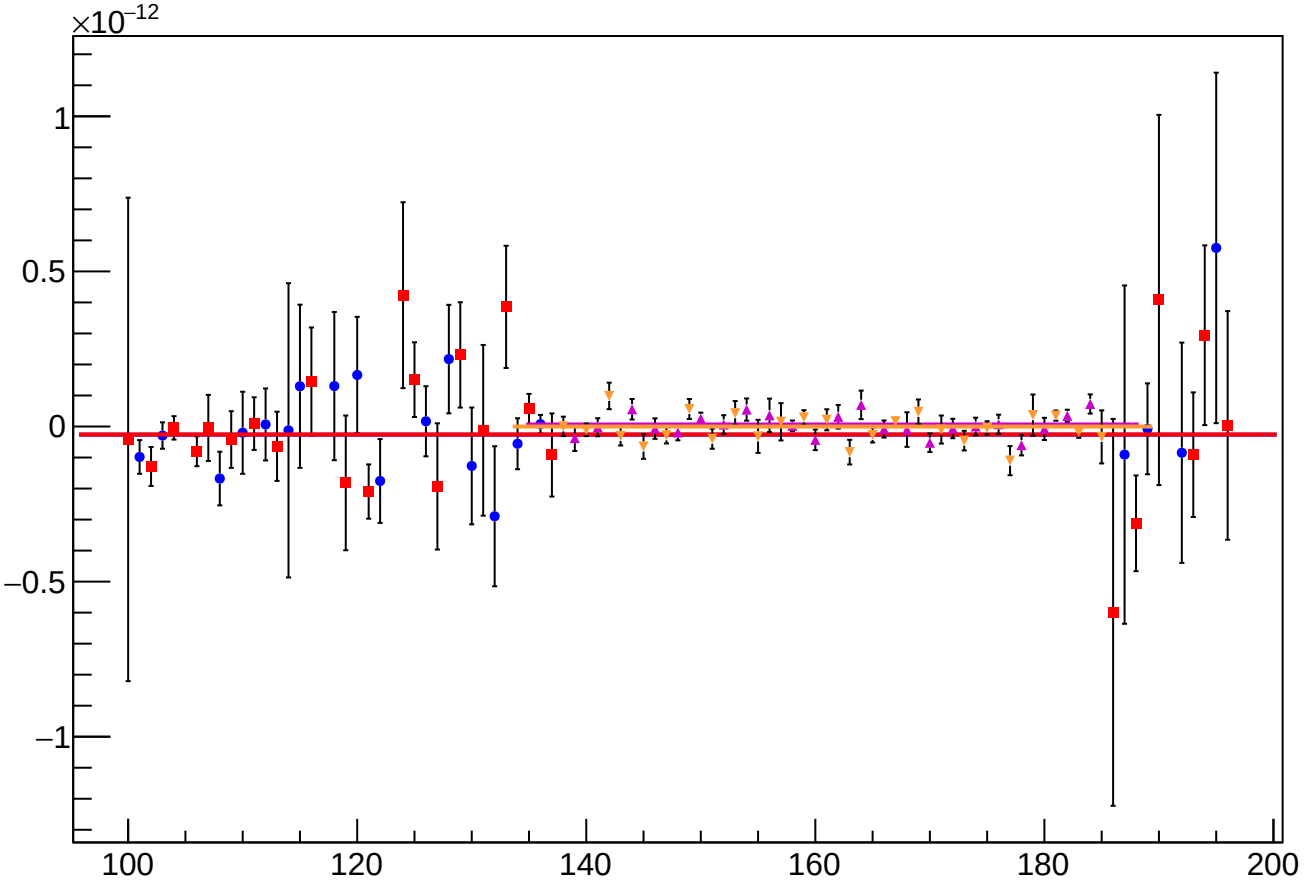
Right Out: 2062.427+/-0.438 χ^2/NDF: 769505.2/24

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1972.933+/-0.261 χ^2/NDF: 1167649.8/44

All: 1975.114+/-0.184 χ^2/NDF: 2155192.9/92

- sign 1977.249+/-0.258 χ^2/NDF: 987405.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

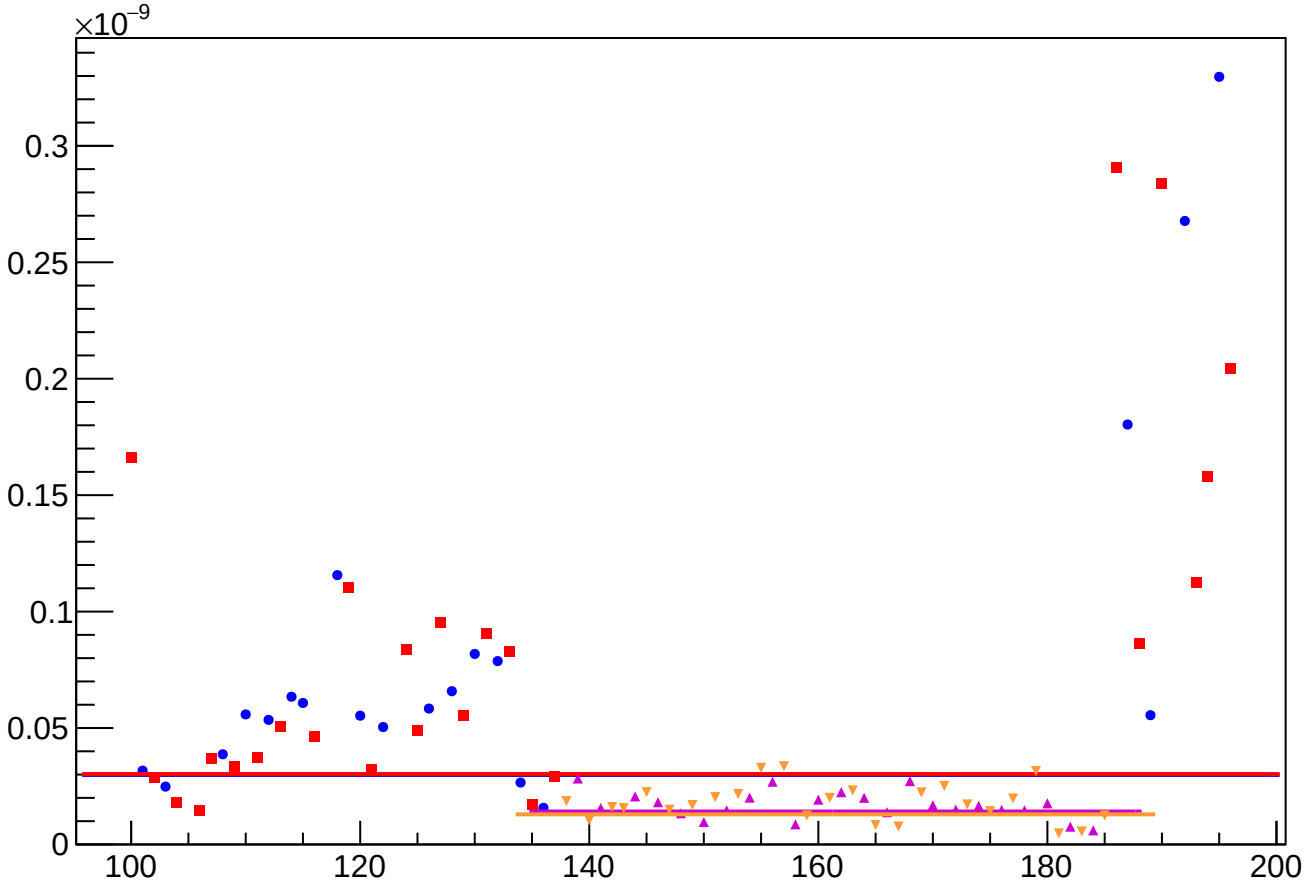
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/24

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/44

All: 0.000+/-0.000 χ^2/NDF: 118.2/92

- sign 0.000+/-0.000 χ^2/NDF: 61.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3179703.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3757125.5/24

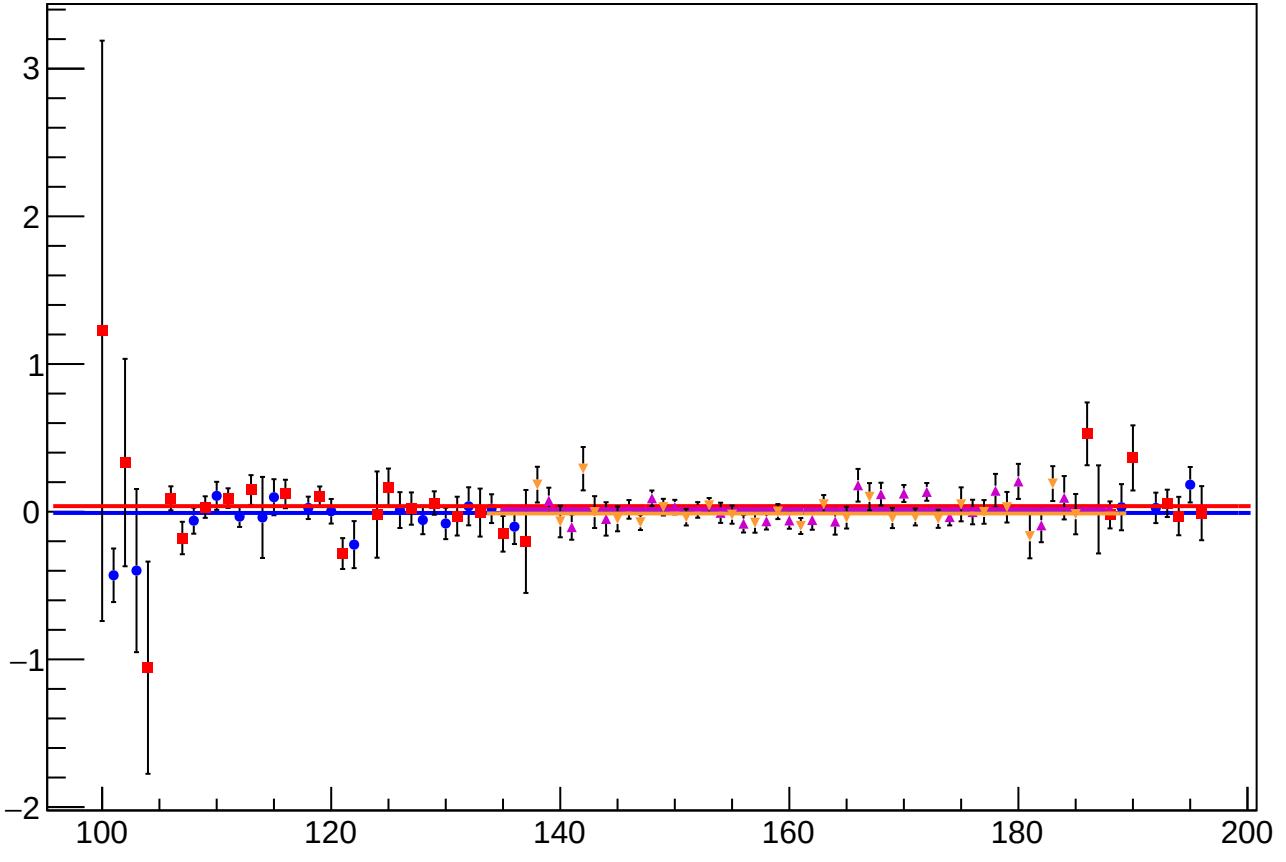
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7470629.1/44

All: 0.000+/-0.000 χ^2/NDF: 14099571.3/92

- sign 0.000+/-0.000 χ^2/NDF: 6574101.9/47

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

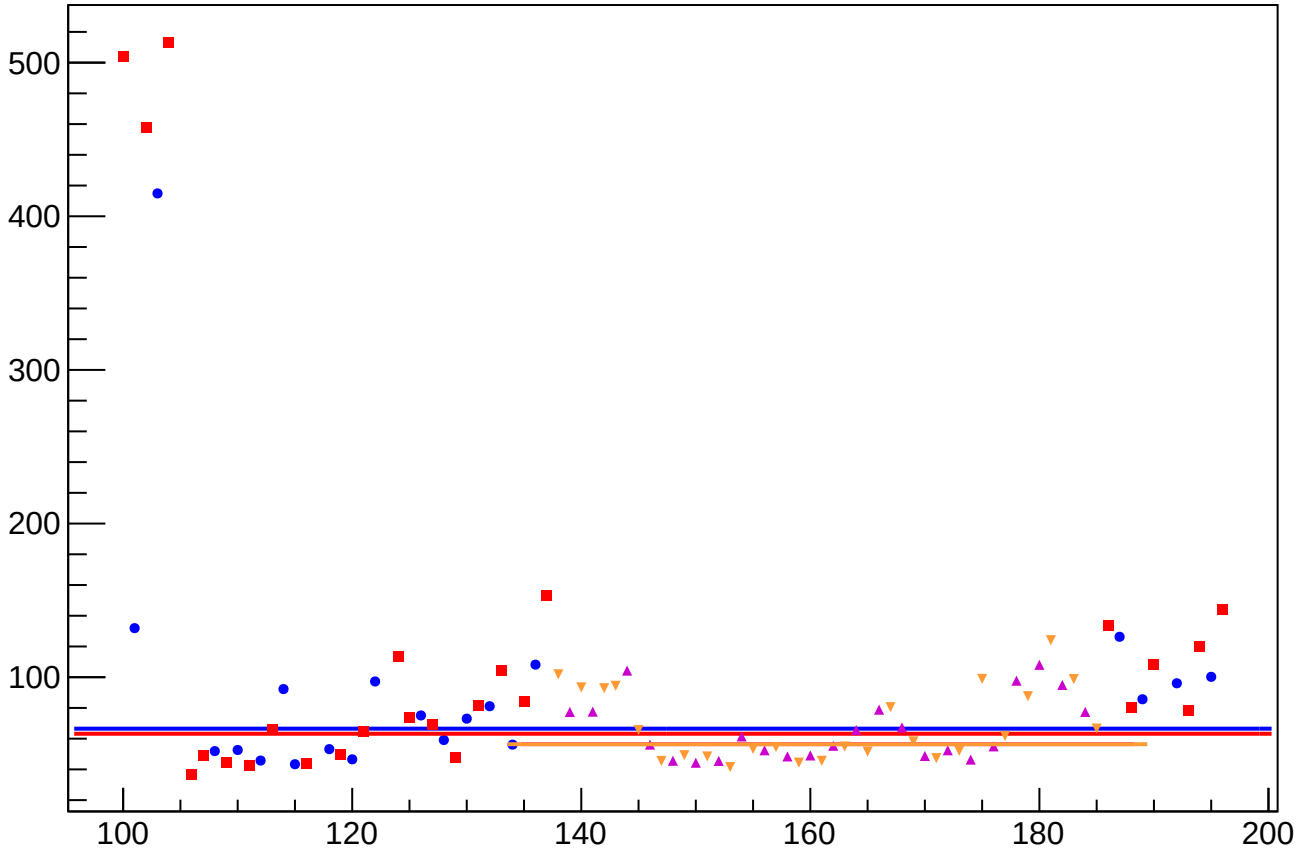
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/92

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 66.511+/-0.017 χ^2/NDF: 2431053.5/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

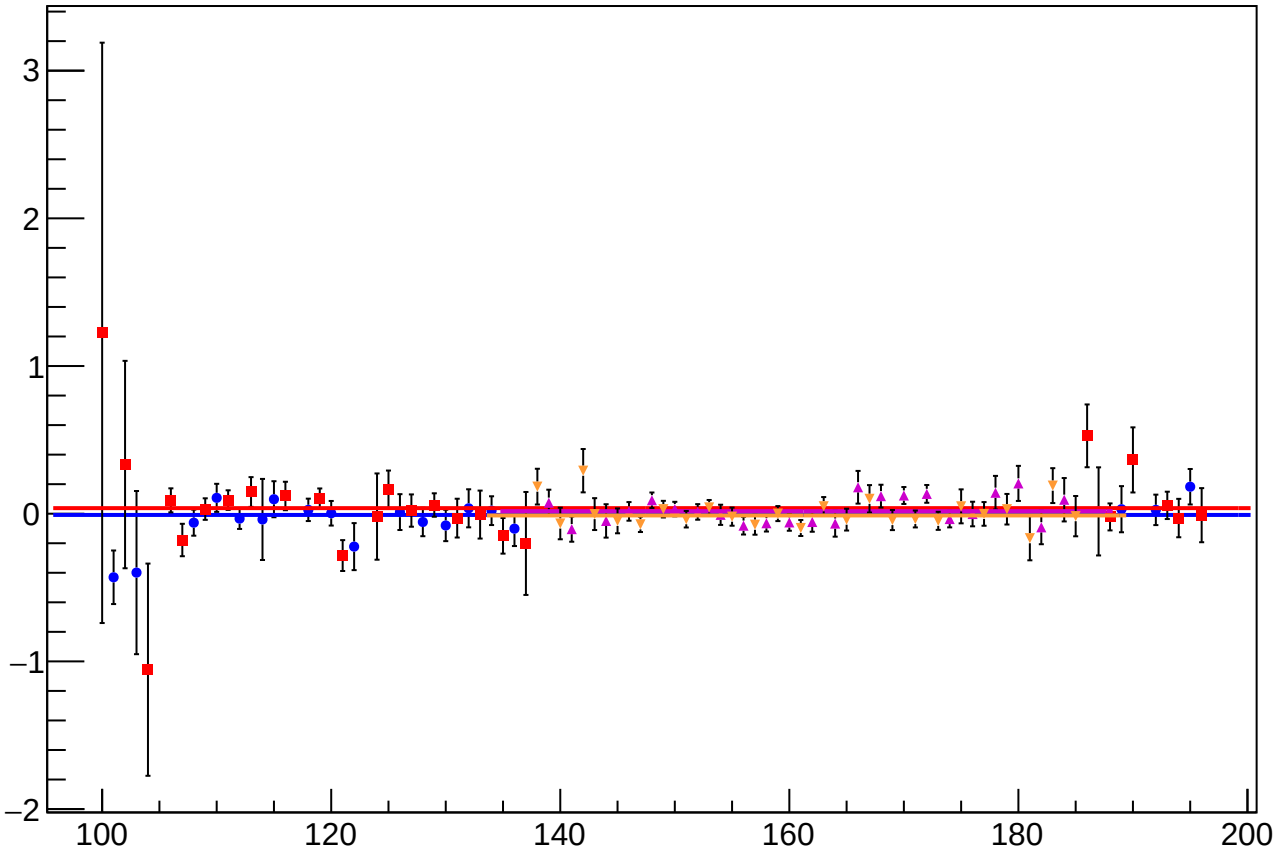
Right Out: 63.196+/-0.016 χ^2/NDF: 3968261.9/24

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 58.916+/-0.009 χ^2/NDF: 5479876.8/44

All: 58.690+/-0.006 χ^2/NDF: 11718116.5/92

\- sign 58.472+/-0.009 χ^2/NDF: 6236927.8/47



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

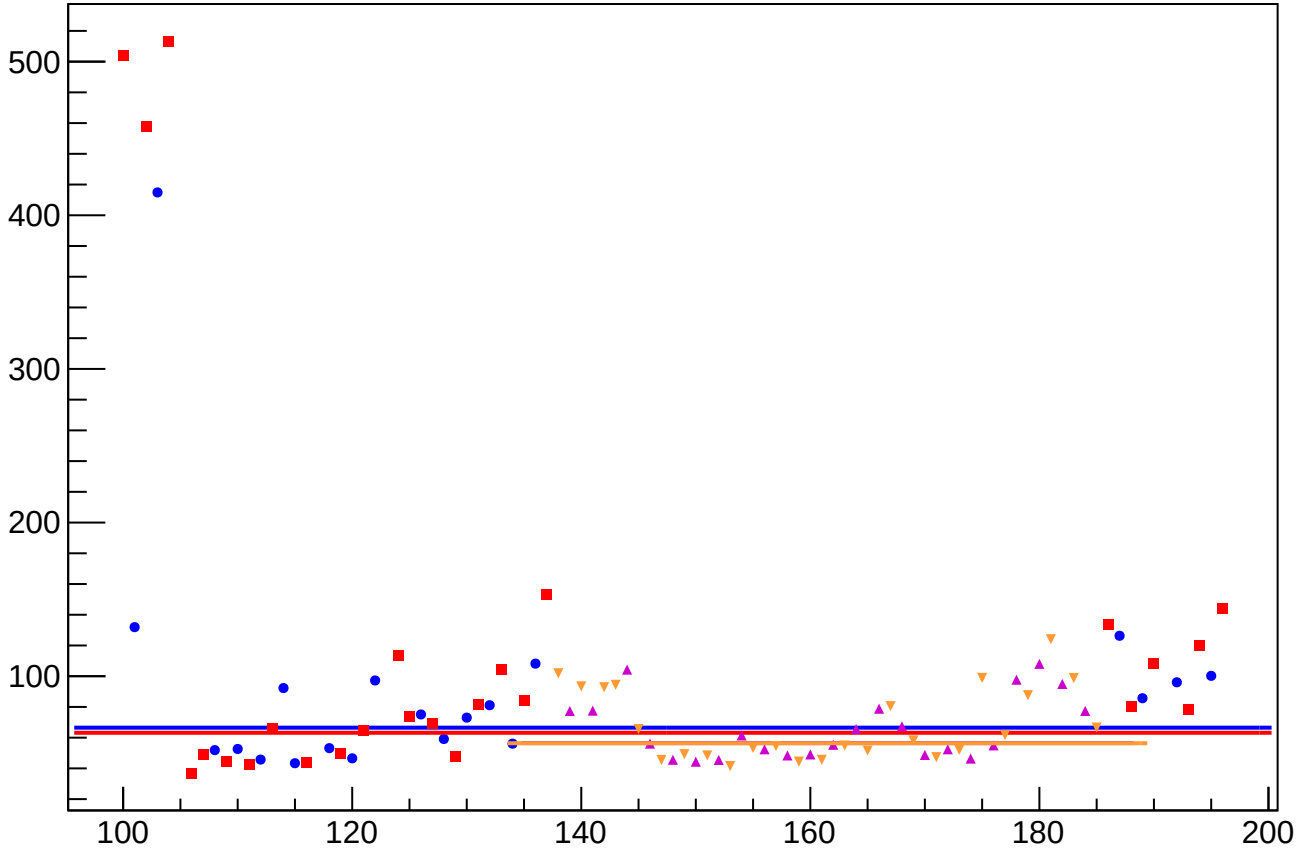
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/92

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.511+/-0.017 χ^2/NDF: 2431053.5/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

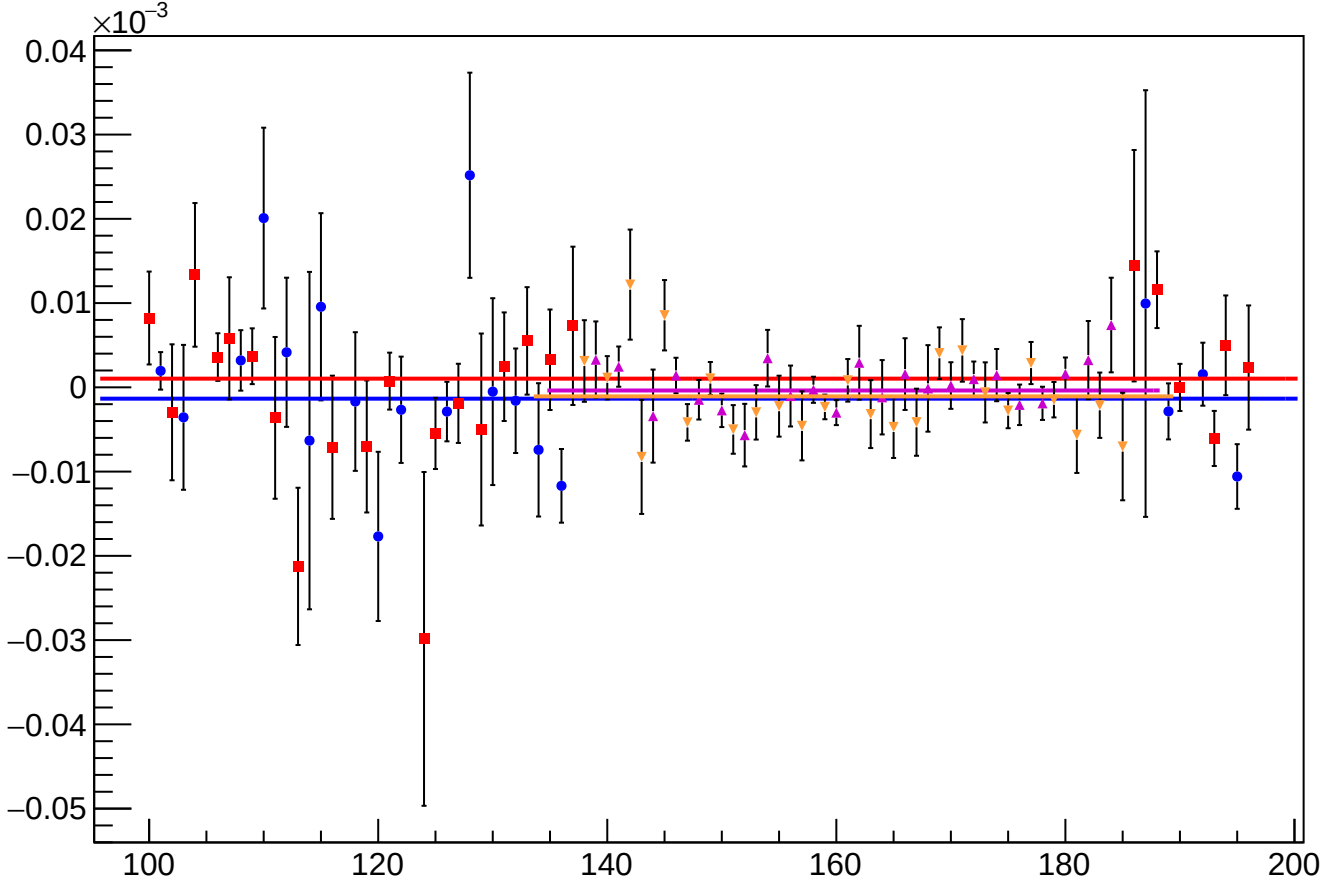
Right Out: 63.196+/-0.016 χ^2/NDF: 3968261.9/24

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 58.916+/-0.009 χ^2/NDF: 5479876.8/44

All: 58.690+/-0.006 χ^2/NDF: 11718116.5/92

\- sign 58.472+/-0.009 χ^2/NDF: 6236927.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

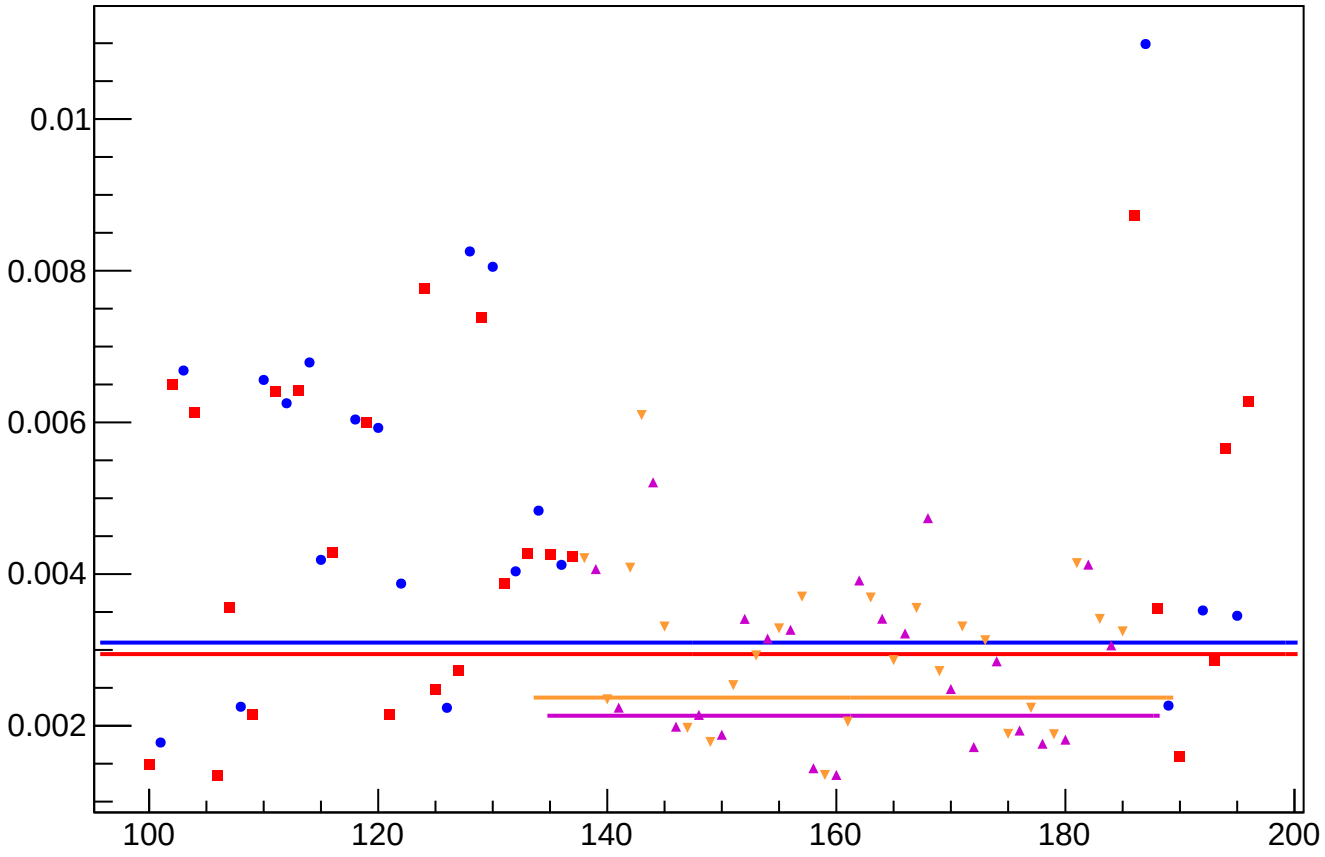
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.5/44

All: -0.000+/-0.000 χ^2/NDF: 114.9/92

- sign -0.000+/-0.000 χ^2/NDF: 51.1/47



Right In: 0.003+/-0.000 χ^2/NDF: 3646028.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

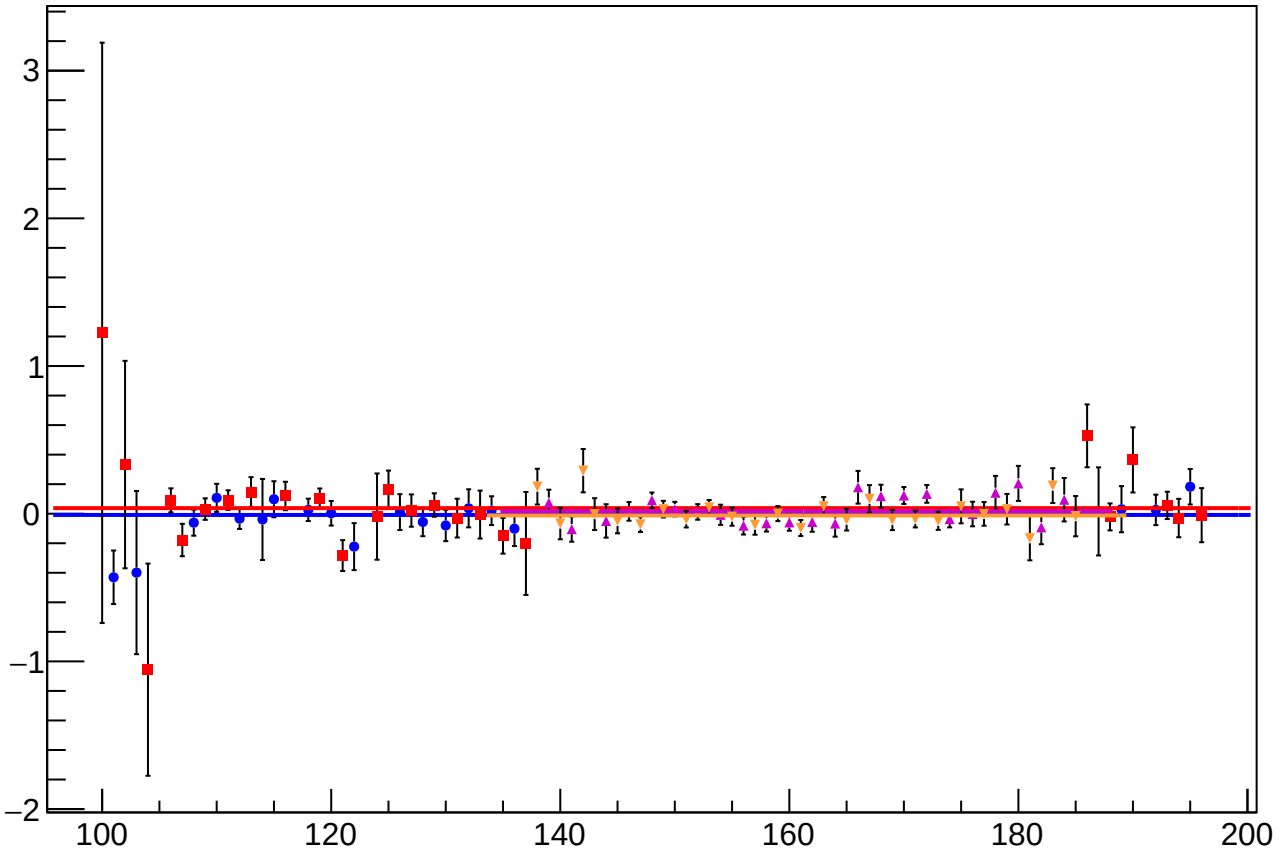
Right Out: 0.003+/-0.000 χ^2/NDF: 4983013.7/24

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

\+ sign 0.003+/-0.000 χ^2/NDF: 8466493.0/44

All: 0.002+/-0.000 χ^2/NDF: 19152586.0/92

\- sign 0.002+/-0.000 χ^2/NDF: 10495702.1/47



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

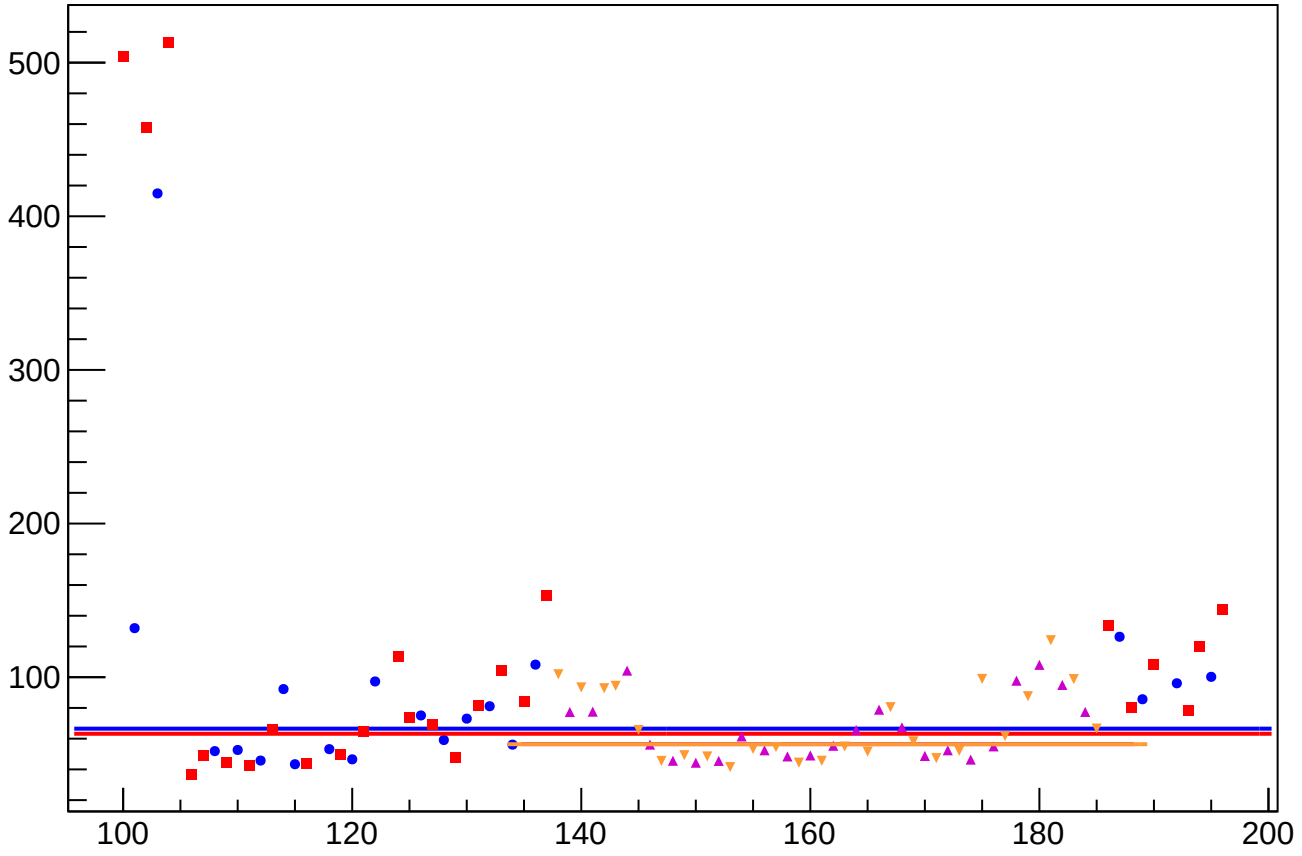
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/92

- 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: 66.510+/-0.017 χ^2/NDF: 2431025.8/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

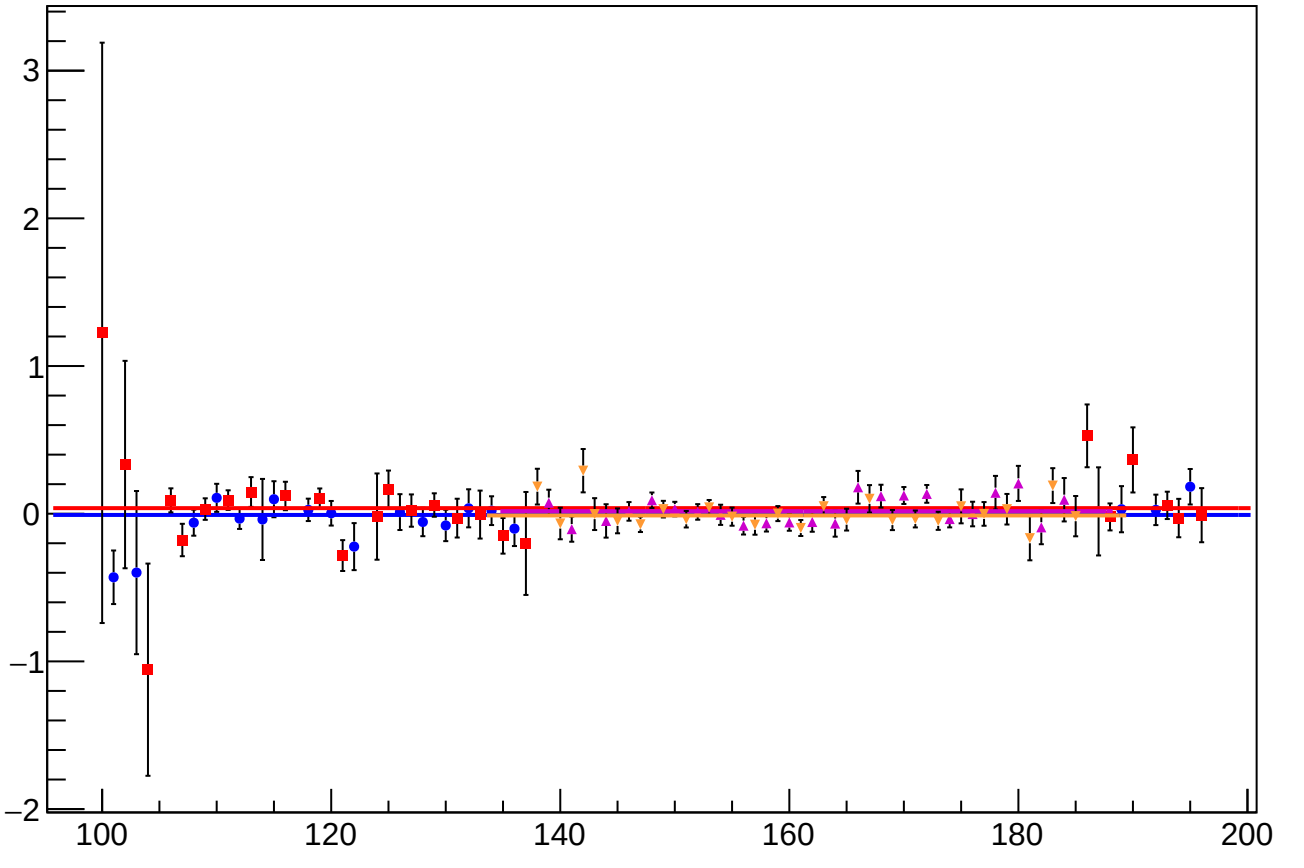
Right Out: 63.195+/-0.016 χ^2/NDF: 3968269.0/24

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479883.4/44

All: 58.690+/-0.006 χ^2/NDF: 11718082.3/92

- sign 58.472+/-0.009 χ^2/NDF: 6236886.1/47



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

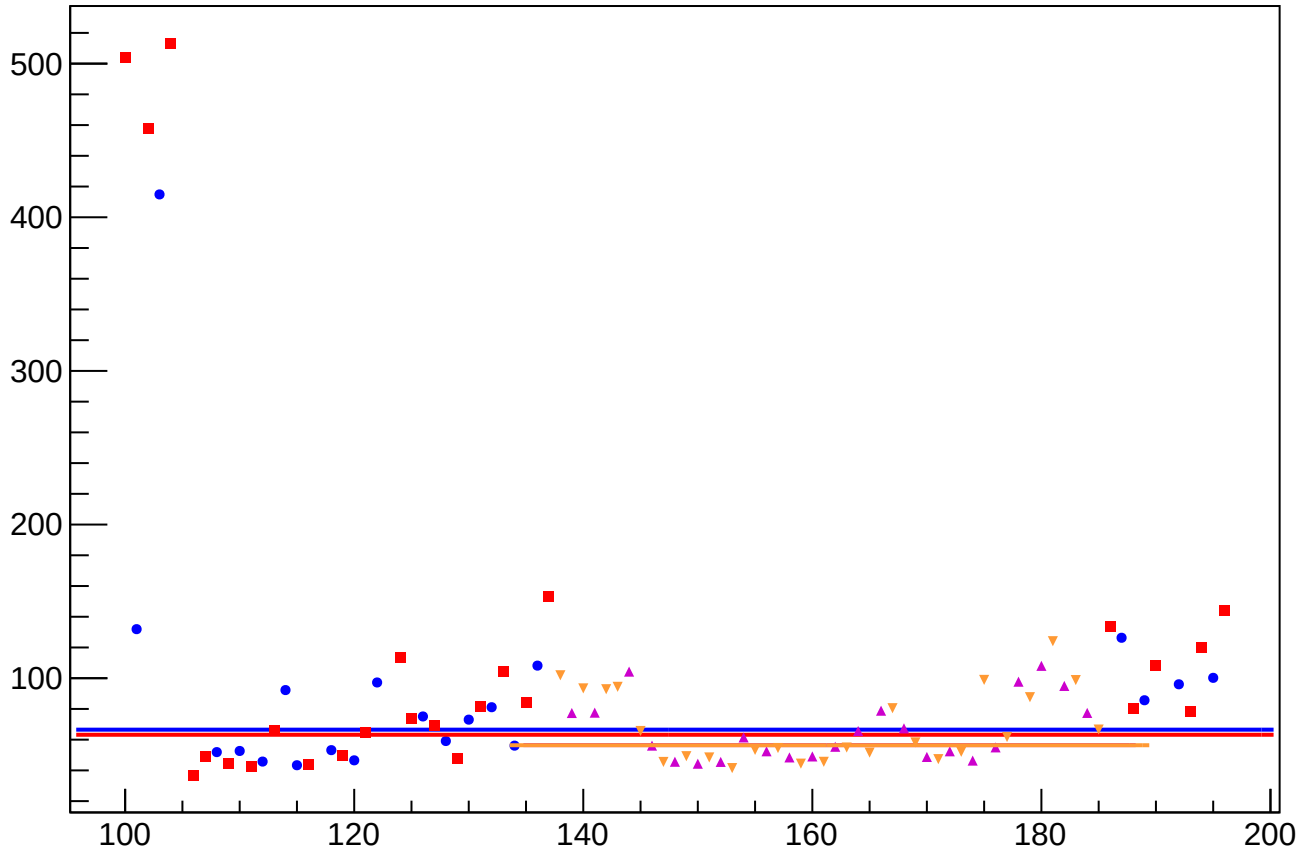
Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/92

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47



Right In: 66.510+/-0.017 χ^2/NDF: 2431025.8/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

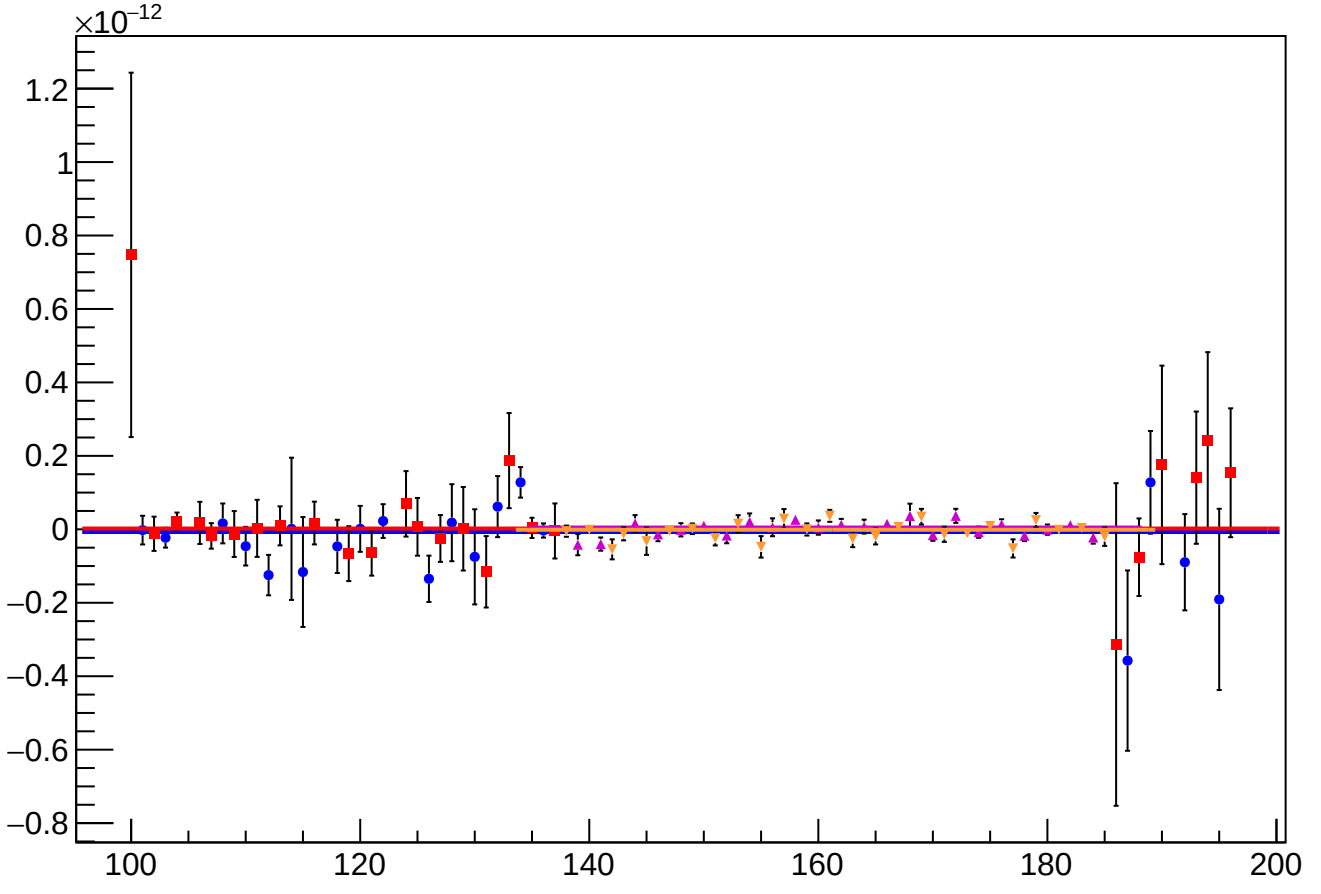
Right Out: 63.195+/-0.016 χ^2/NDF: 3968269.0/24

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479883.4/44

All: 58.690+/-0.006 χ^2/NDF: 11718082.3/92

- sign 58.472+/-0.009 χ^2/NDF: 6236886.1/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

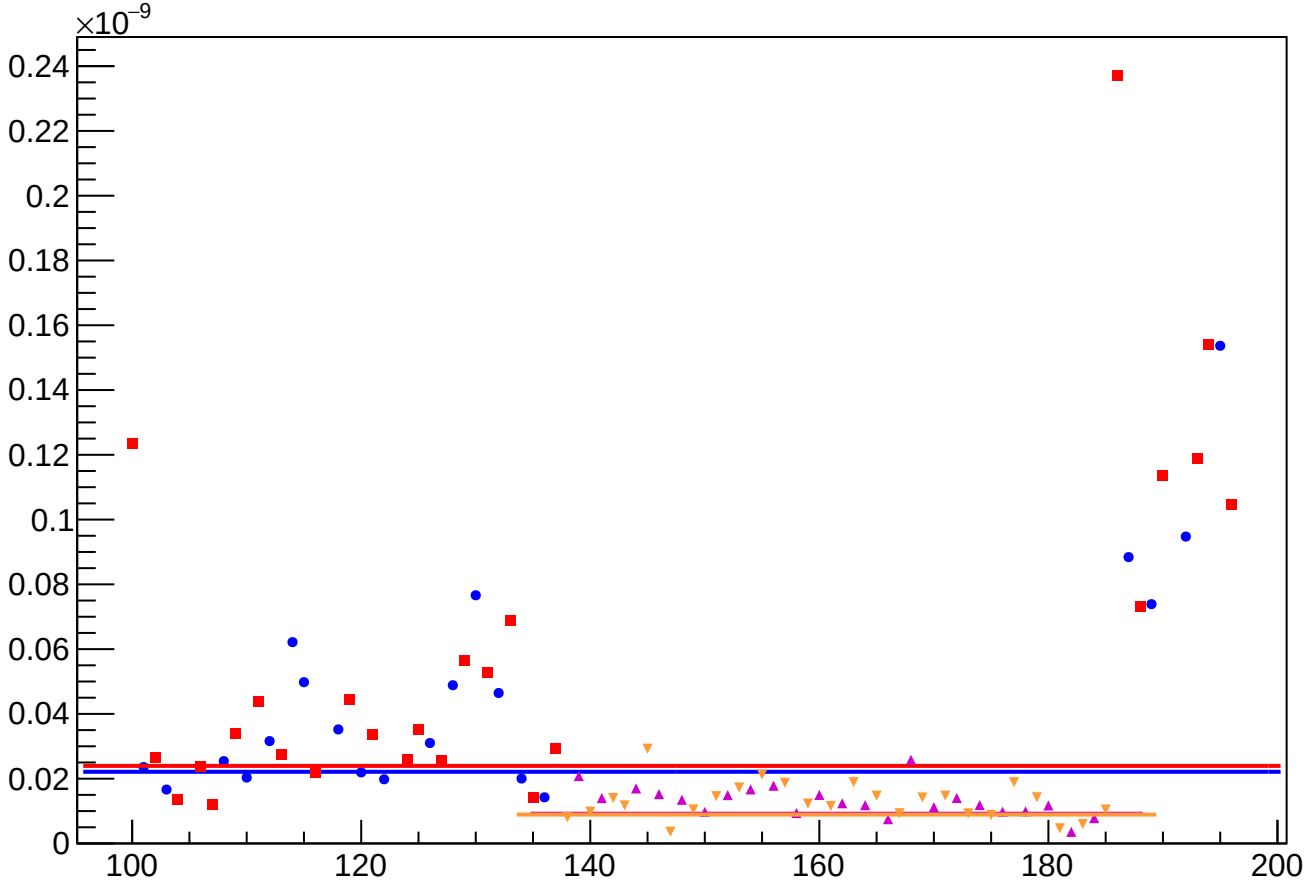
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/24

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

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/44

All: 0.000+/-0.000 χ^2/NDF: 100.8/92

- sign 0.000+/-0.000 χ^2/NDF: 42.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3013196.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4659722.4/24

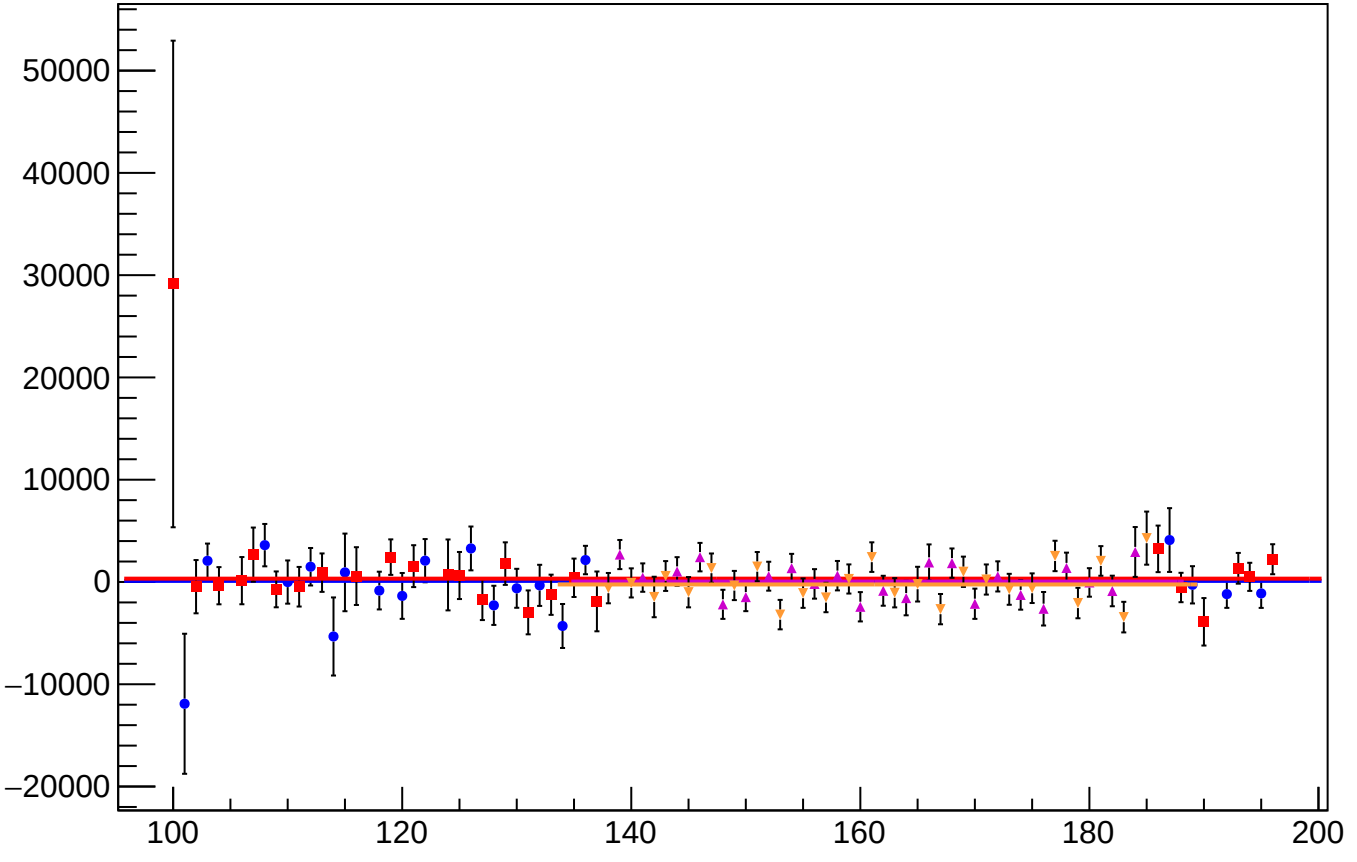
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10678721.7/44

All: 0.000+/-0.000 χ^2/NDF: 23400765.3/92

- sign 0.000+/-0.000 χ^2/NDF: 12708277.1/47

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 105.791+/-439.179 χ^2/NDF: 25.2/19

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 324.569+/-398.957 χ^2/NDF: 17.6/24

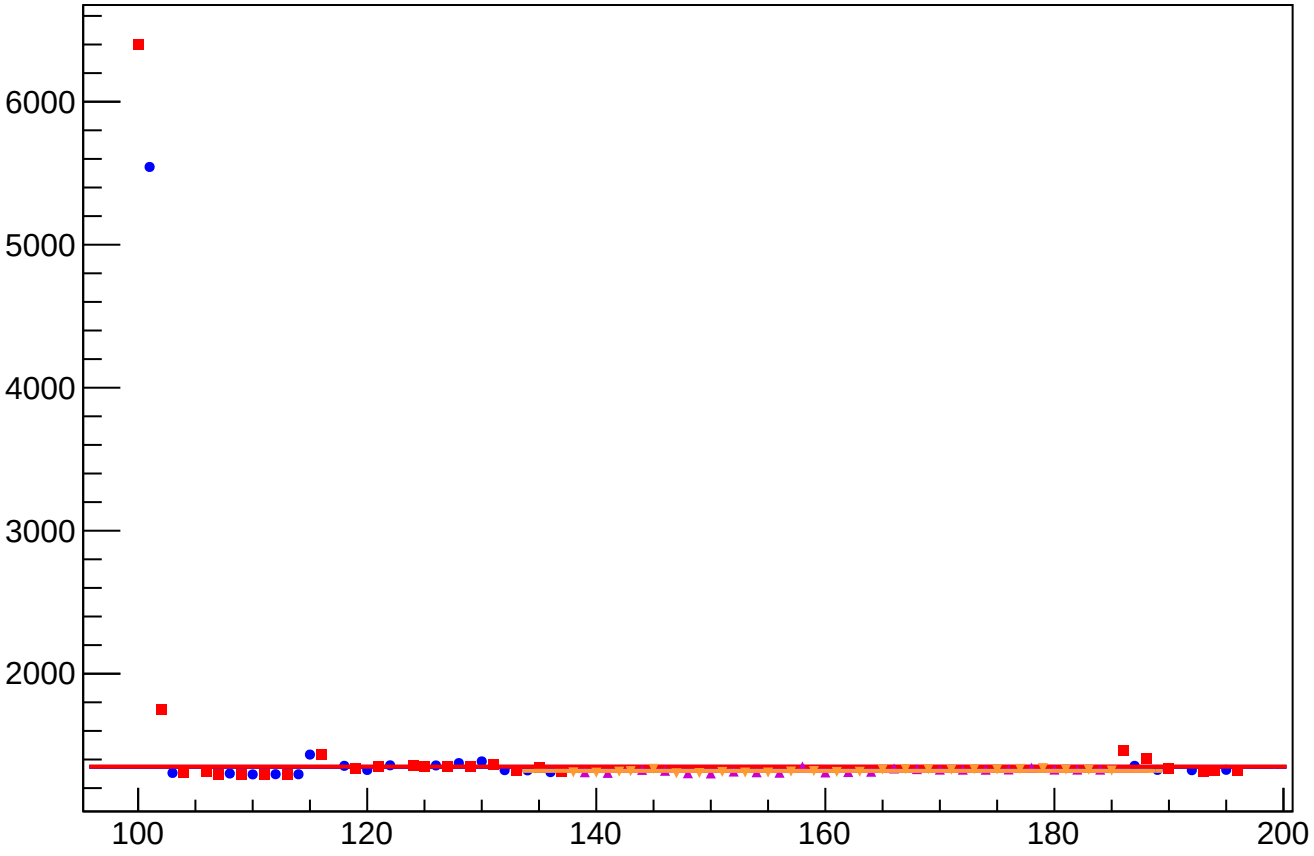
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -130.576+/-247.725 χ^2/NDF: 57.3/44

All: 9.740+/-173.875 χ^2/NDF: 102.9/92

- sign 145.987+/-244.108 χ^2/NDF: 45.0/47

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.633+/-0.311 χ^2/NDF: 762032.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1350.424+/-0.282 χ^2/NDF: 157811.7/24

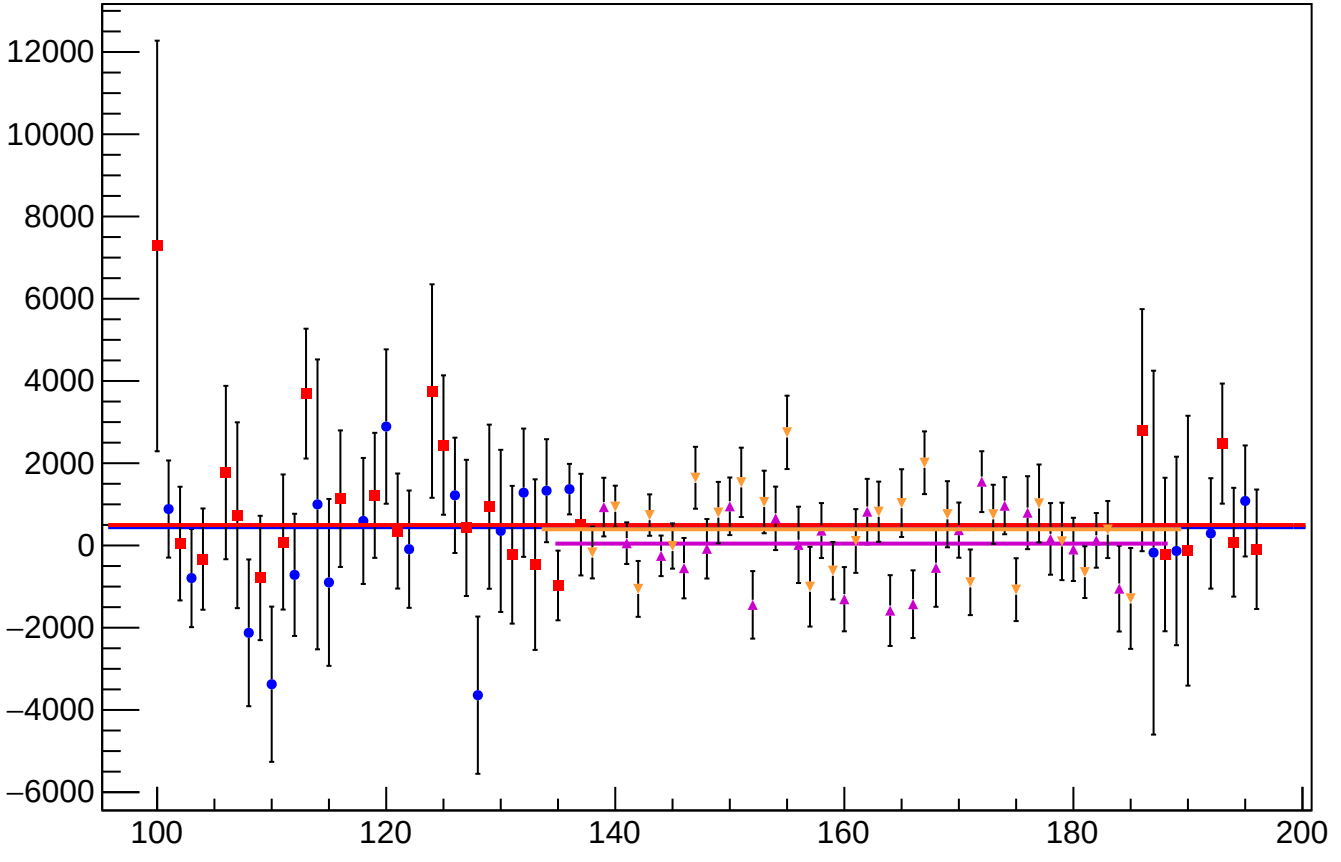
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770135.6/44

All: 1331.081+/-0.123 χ^2/NDF: 938087.7/92

- sign 1332.505+/-0.173 χ^2/NDF: 167813.9/47

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 444.584+/-315.064 χ^2/NDF: 18.6/19

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 496.795+/-317.534 χ^2/NDF: 17.3/24

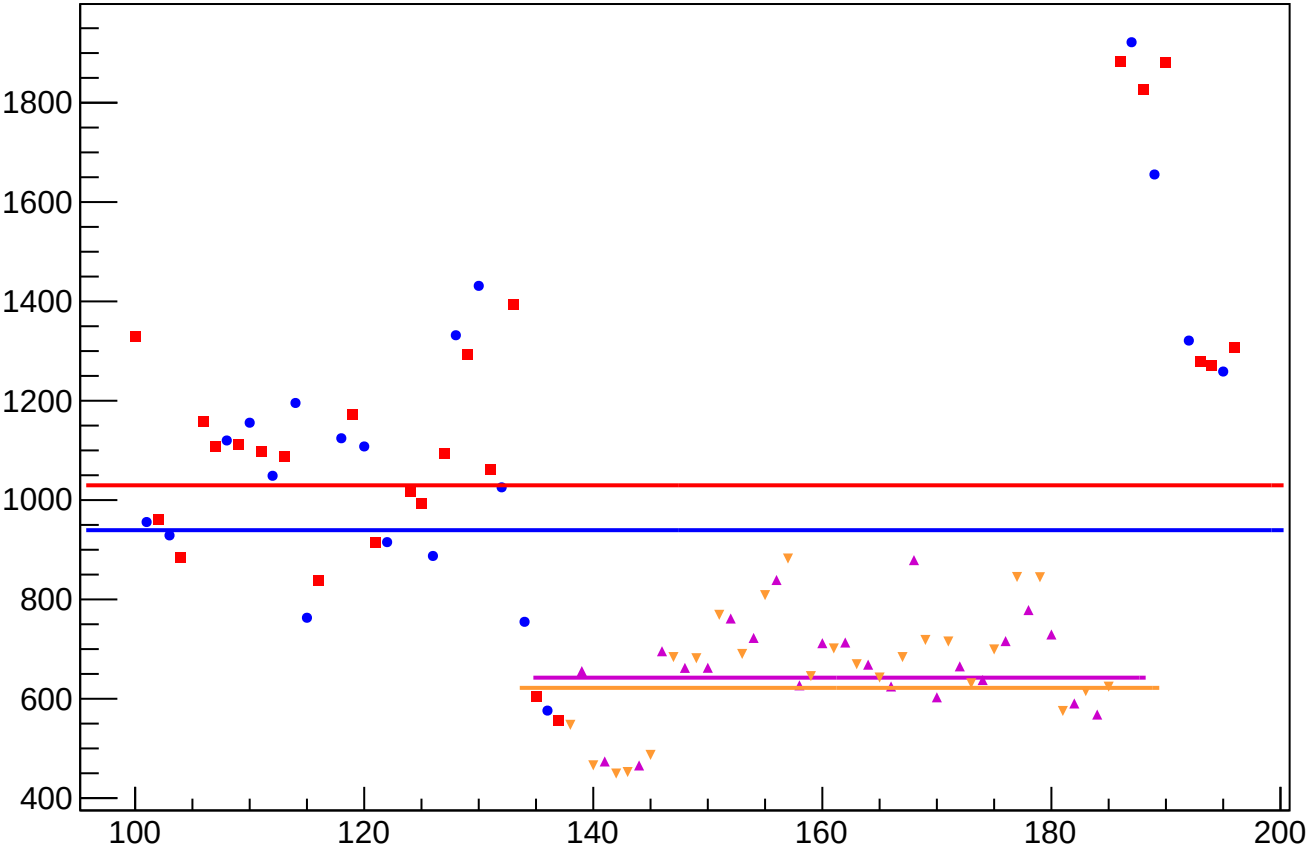
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 403.251+/-131.391 χ^2/NDF: 60.4/44

All: 272.364+/-94.943 χ^2/NDF: 109.0/92

- sign 129.345+/-137.346 χ^2/NDF: 46.5/47

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 939.416+/-0.223 χ^2/NDF: 1657528.8/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1029.745+/-0.225 χ^2/NDF: 1882654.0/24

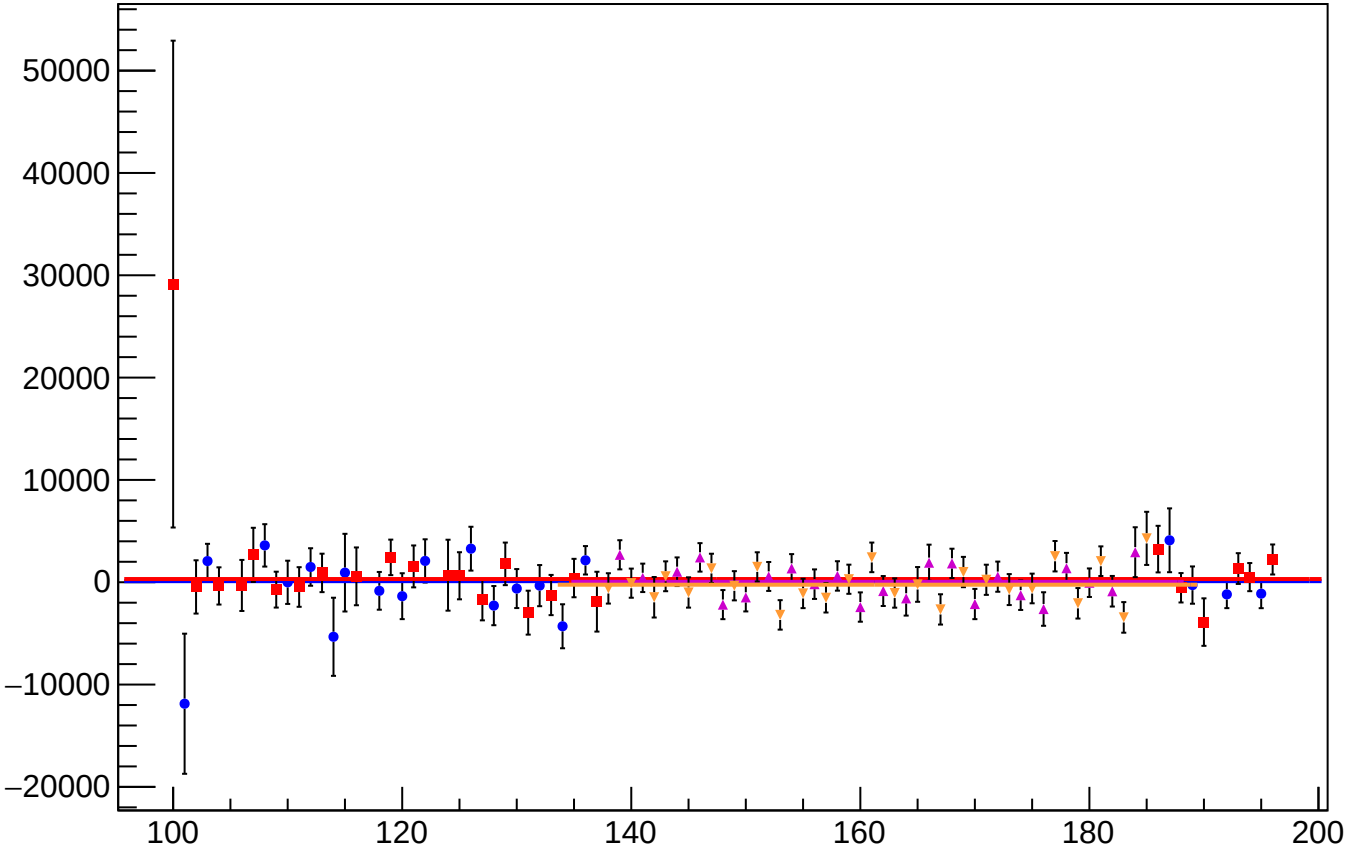
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

\+ sign 677.162+/-0.093 χ^2/NDF: 4718453.4/44

All: 695.207+/-0.067 χ^2/NDF: 10024790.9/92

\- sign 714.925+/-0.097 χ^2/NDF: 5227391.9/47

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 105.959+/-439.179 χ^2/NDF: 25.1/19

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 314.237+/-399.819 χ^2/NDF: 17.6/24

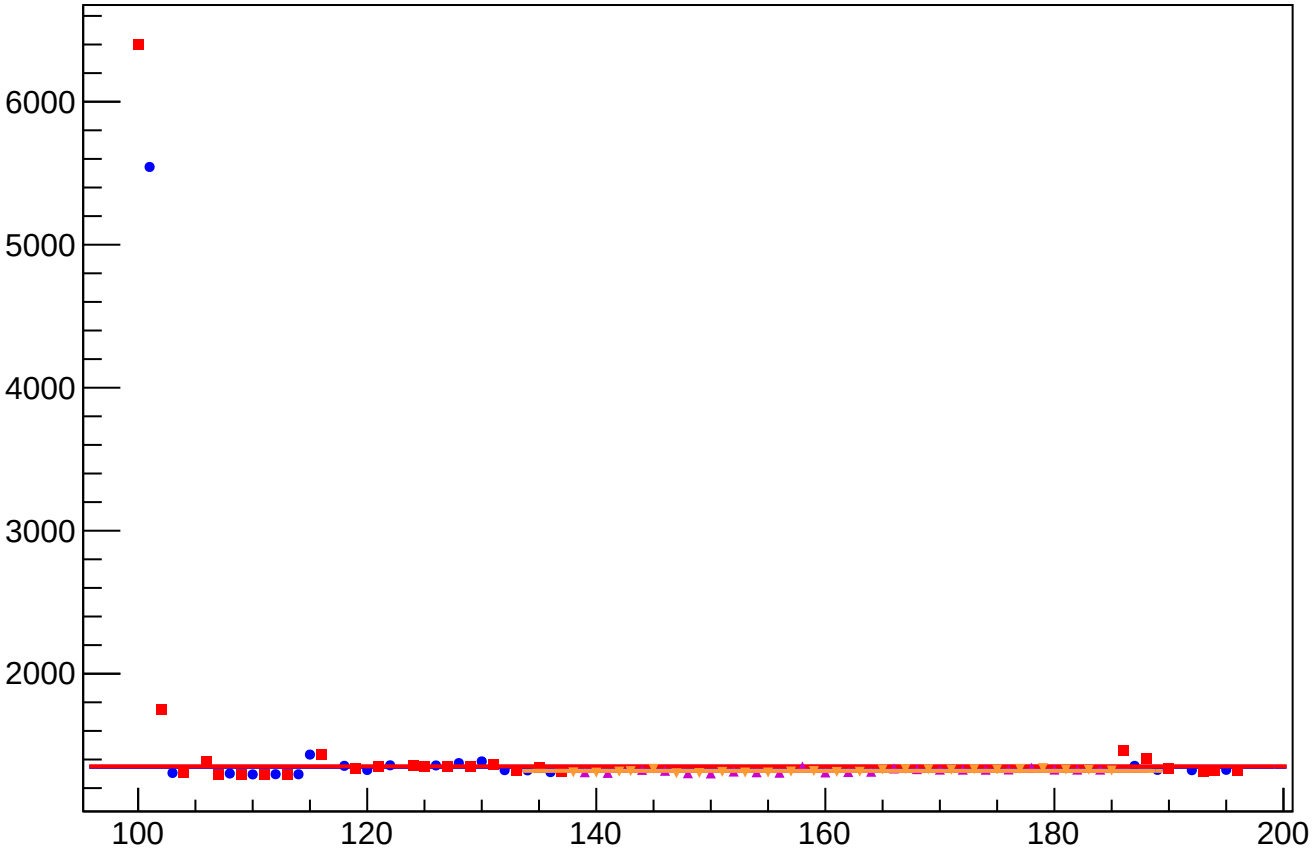
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -130.524+/-247.725 χ^2/NDF: 57.3/44

All: 7.575+/-173.946 χ^2/NDF: 102.9/92

- sign 141.886+/-244.305 χ^2/NDF: 45.0/47

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.633+/-0.311 χ^2/NDF: 762031.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1352.397+/-0.283 χ^2/NDF: 157829.0/24

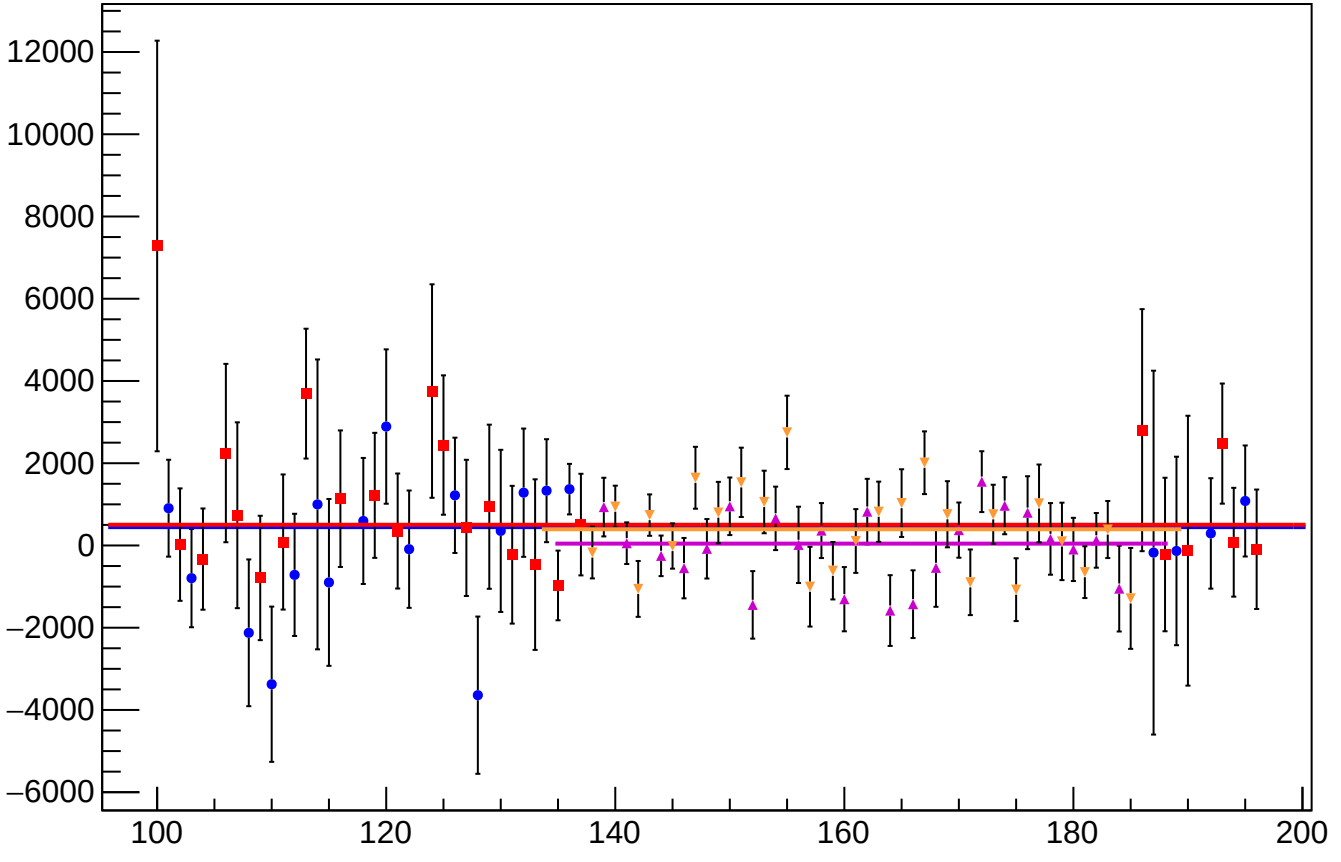
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770134.7/44

All: 1331.439+/-0.123 χ^2/NDF: 939078.8/92

- sign 1333.213+/-0.173 χ^2/NDF: 168730.3/47

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 446.092+/-315.018 χ^2/NDF: 18.6/19

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 503.557+/-317.538 χ^2/NDF: 17.6/24

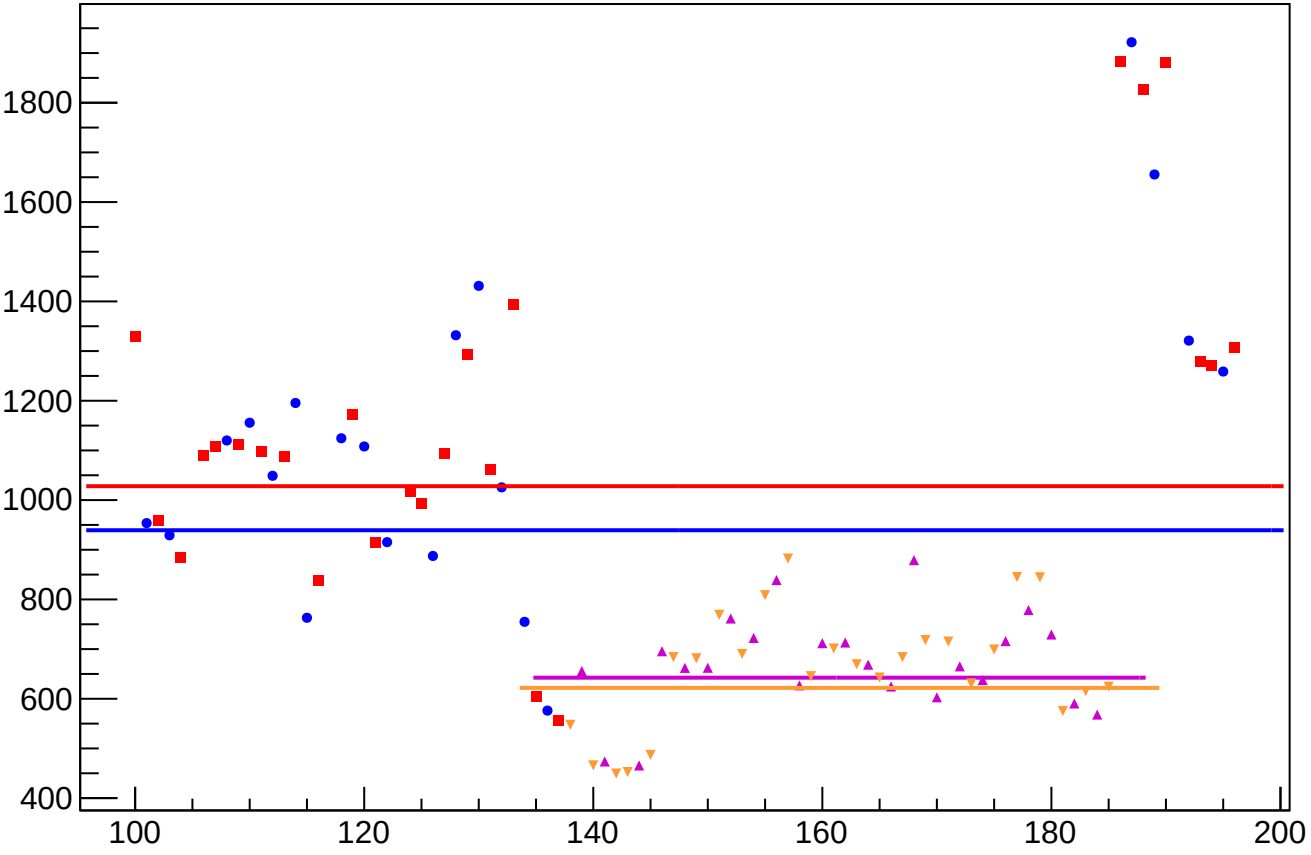
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 403.493+/-131.388 χ^2/NDF: 60.4/44

All: 273.092+/-94.941 χ^2/NDF: 109.4/92

\- sign 130.598+/-137.345 χ^2/NDF: 46.9/47

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 939.287+/-0.223 χ^2/NDF: 1657385.2/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1027.969+/-0.225 χ^2/NDF: 1877167.6/24

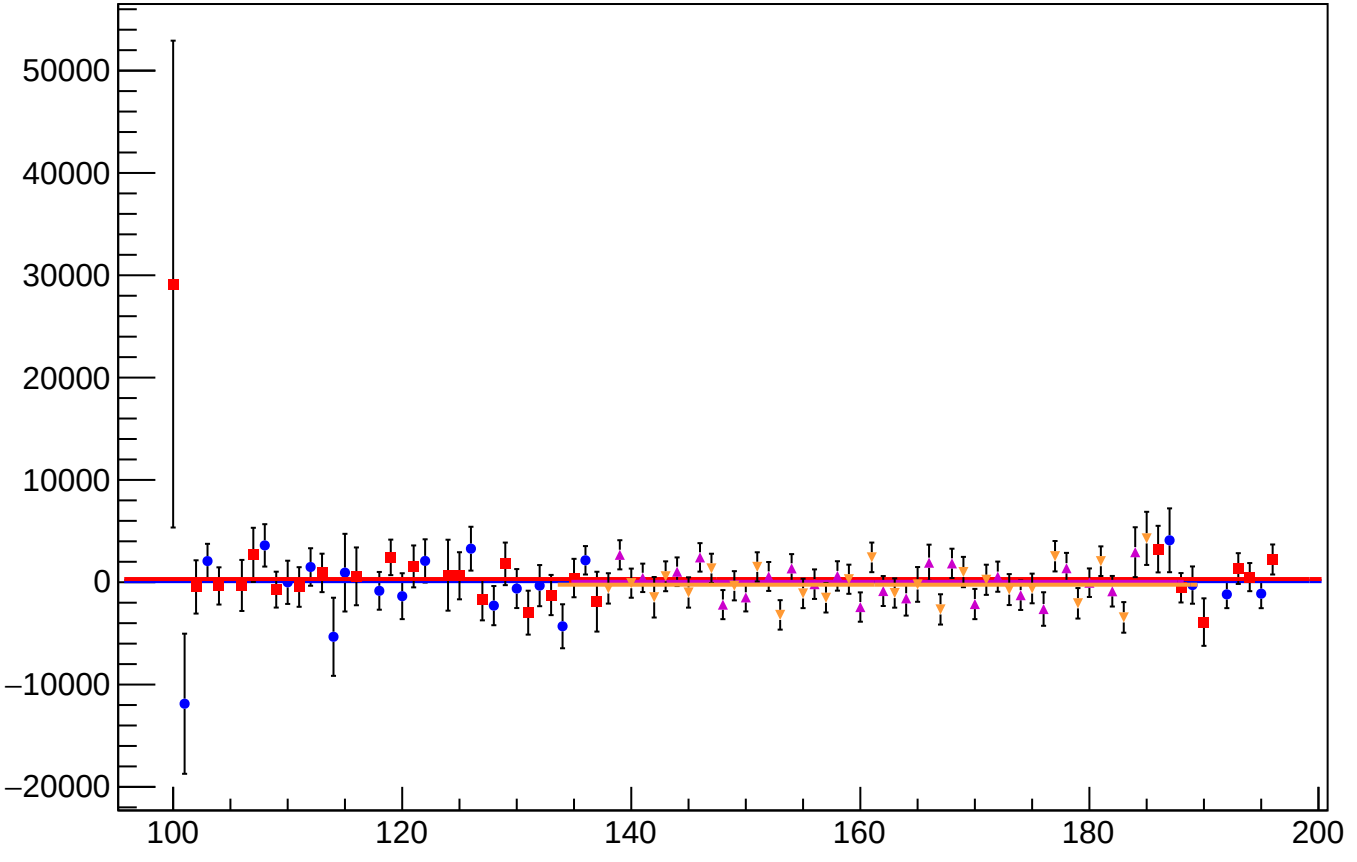
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 677.153+/-0.093 χ^2/NDF: 4717251.8/44

All: 695.040+/-0.067 χ^2/NDF: 9994679.2/92

\- sign 714.587+/-0.097 χ^2/NDF: 5199849.0/47

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 105.959+/-439.179 χ^2/NDF: 25.1/19

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 314.237+/-399.819 χ^2/NDF: 17.6/24

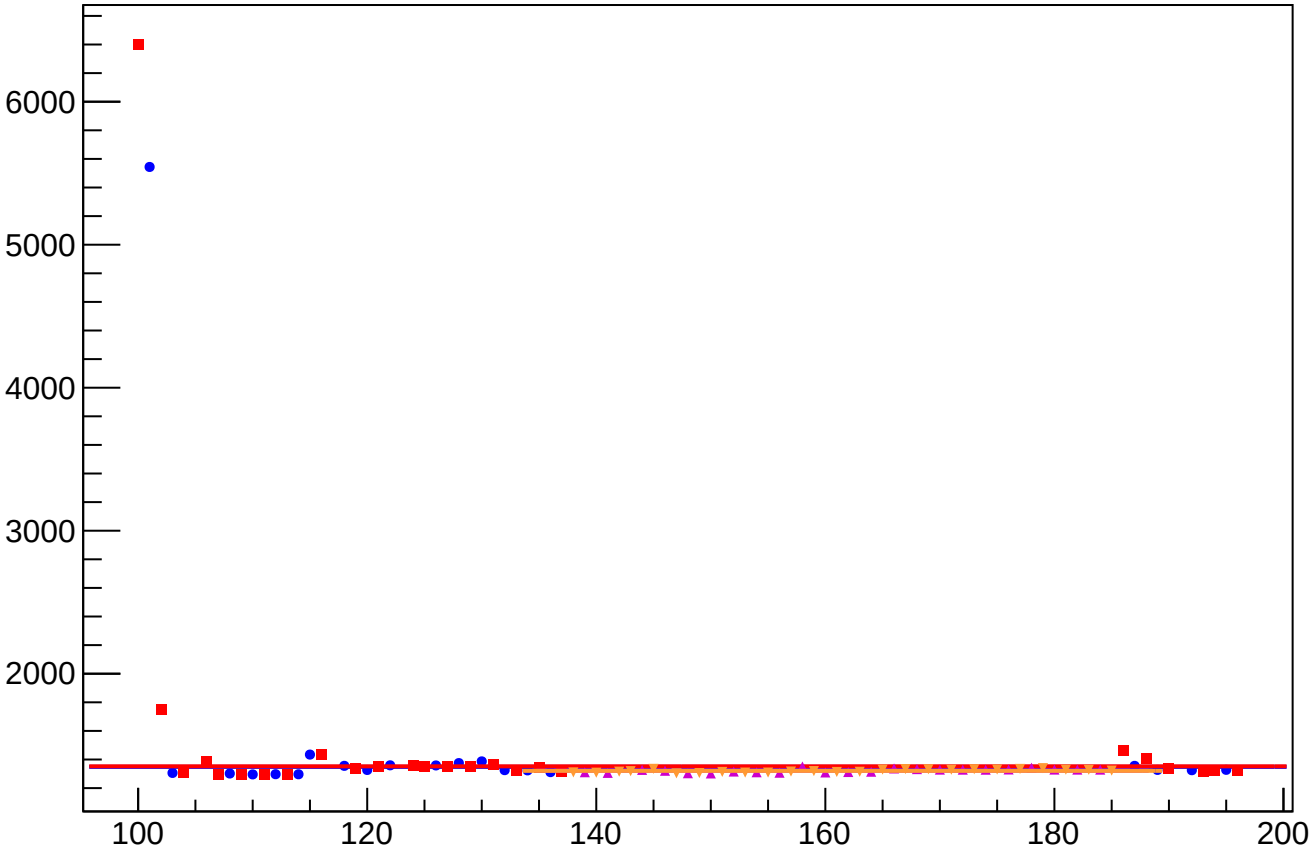
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -130.524+/-247.725 χ^2/NDF: 57.3/44

All: 7.575+/-173.946 χ^2/NDF: 102.9/92

- sign 141.886+/-244.305 χ^2/NDF: 45.0/47

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.633+/-0.311 χ^2/NDF: 762031.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

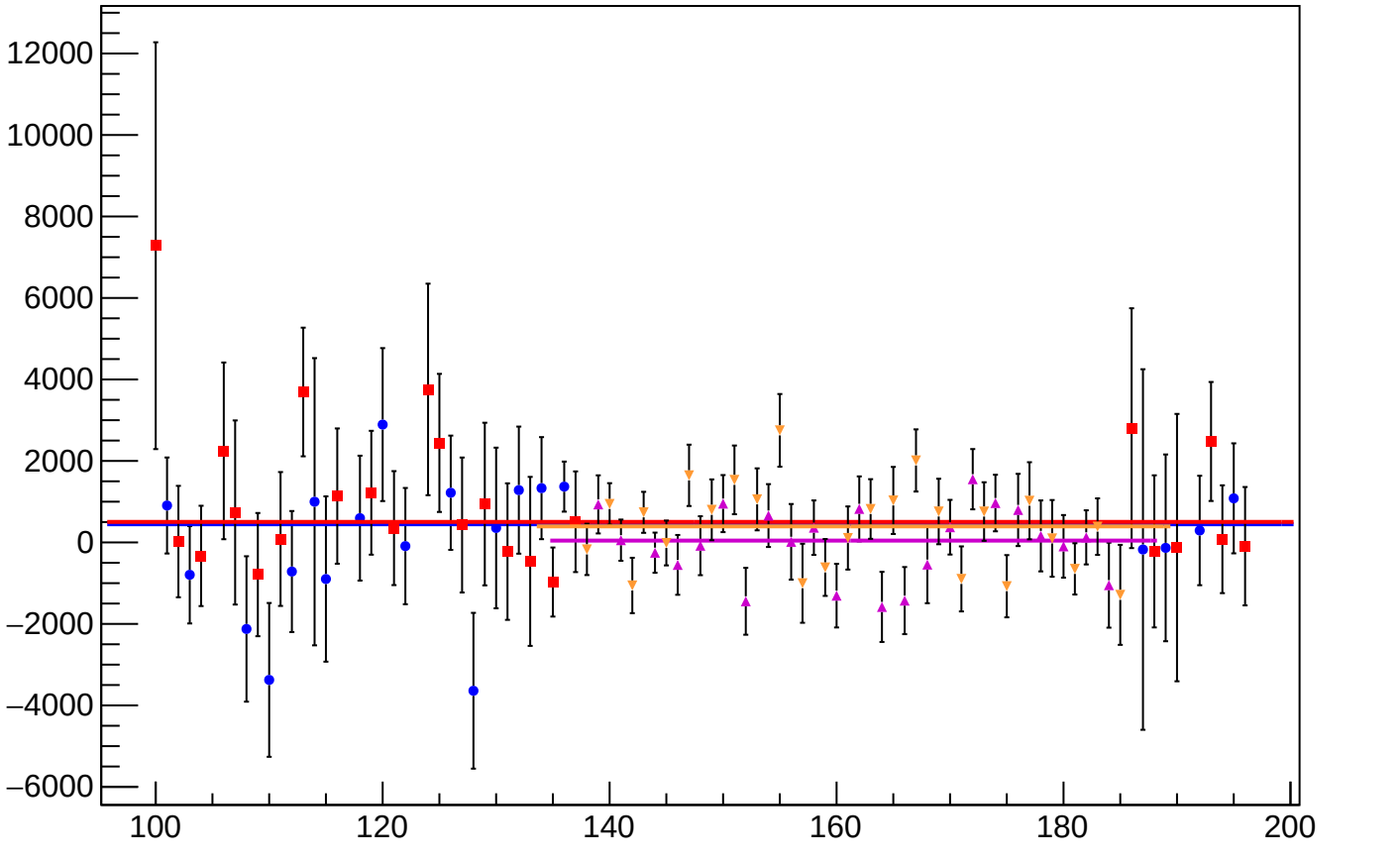
Right Out: 1352.397+/-0.283 χ^2/NDF: 157829.0/24

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770134.7/44

All: 1331.439+/-0.123 χ^2/NDF: 939078.8/92

- sign 1333.213+/-0.173 χ^2/NDF: 168730.3/47



Right In: 446.092+/-315.018 χ^2/NDF: 18.6/19

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

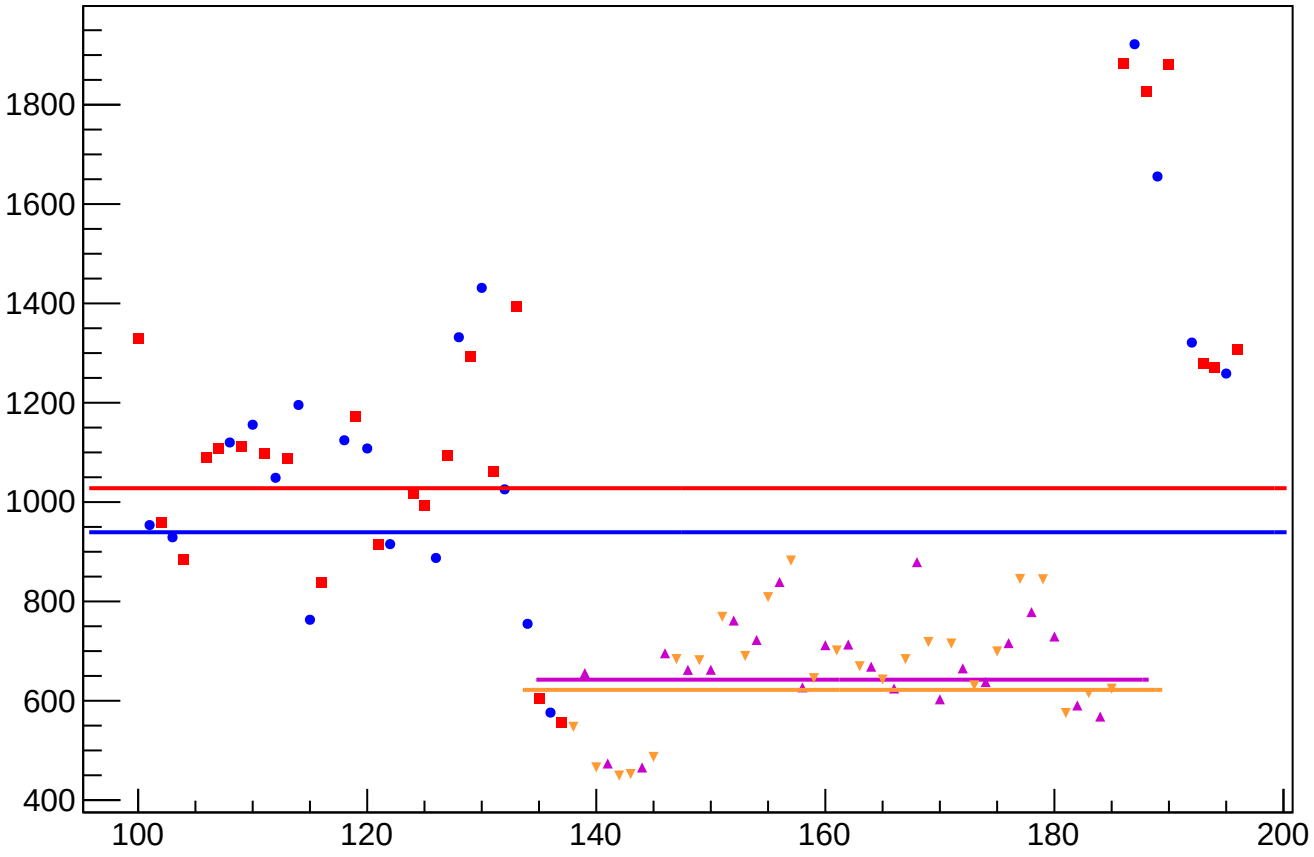
Right Out: 503.557+/-317.538 χ^2/NDF: 17.6/24

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 403.493+/-131.388 χ^2/NDF: 60.4/44

All: 273.092+/-94.941 χ^2/NDF: 109.4/92

- sign 130.598+/-137.345 χ^2/NDF: 46.9/47



Right In: 939.287+/-0.223 χ^2/NDF: 1657385.2/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1027.969+/-0.225 χ^2/NDF: 1877167.6/24

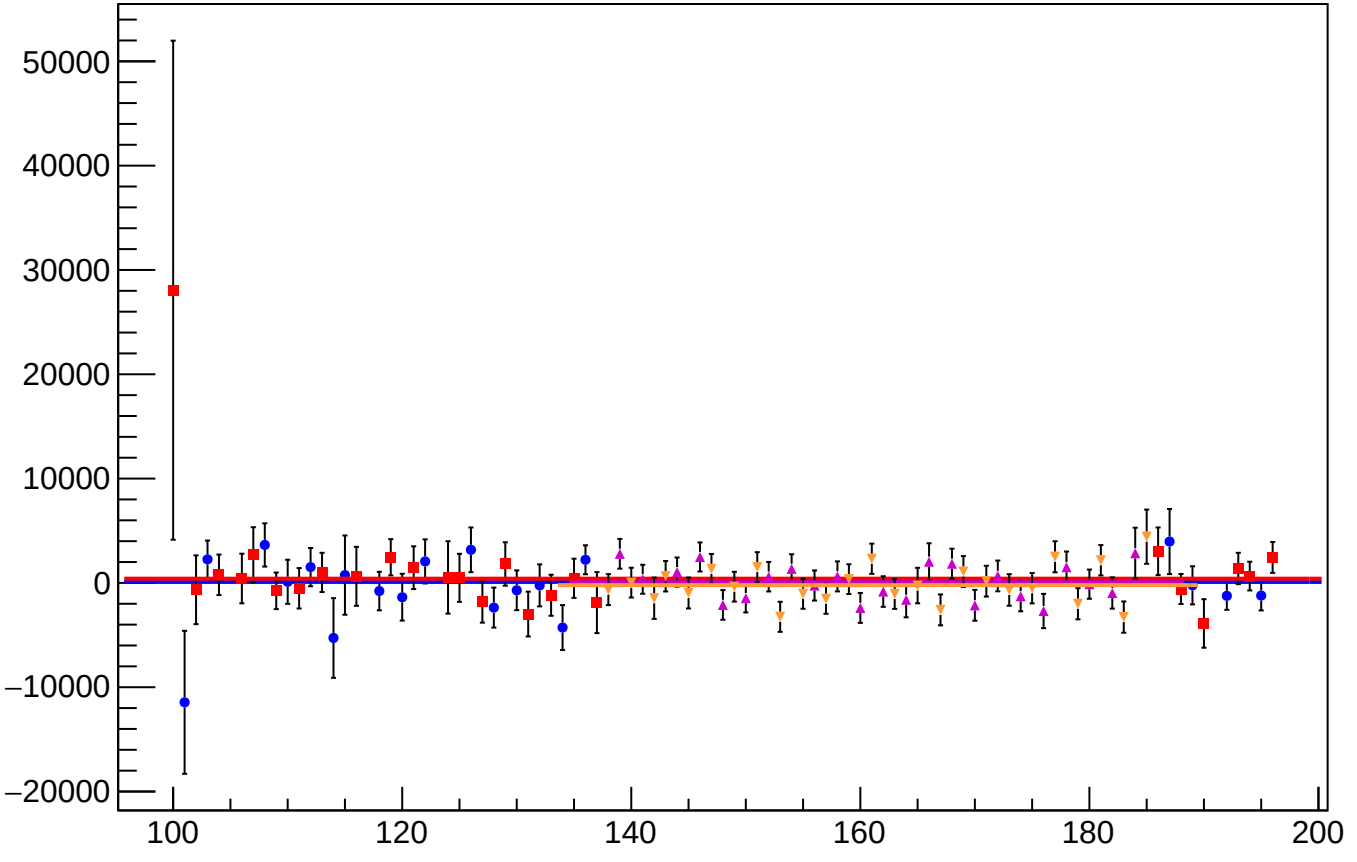
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 677.153+/-0.093 χ^2/NDF: 4717251.8/44

All: 695.040+/-0.067 χ^2/NDF: 9994679.2/92

- sign 714.587+/-0.097 χ^2/NDF: 5199849.0/47

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 95.703+/-441.571 χ^2/NDF: 25.1/19

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 404.799+/-402.871 χ^2/NDF: 17.7/24

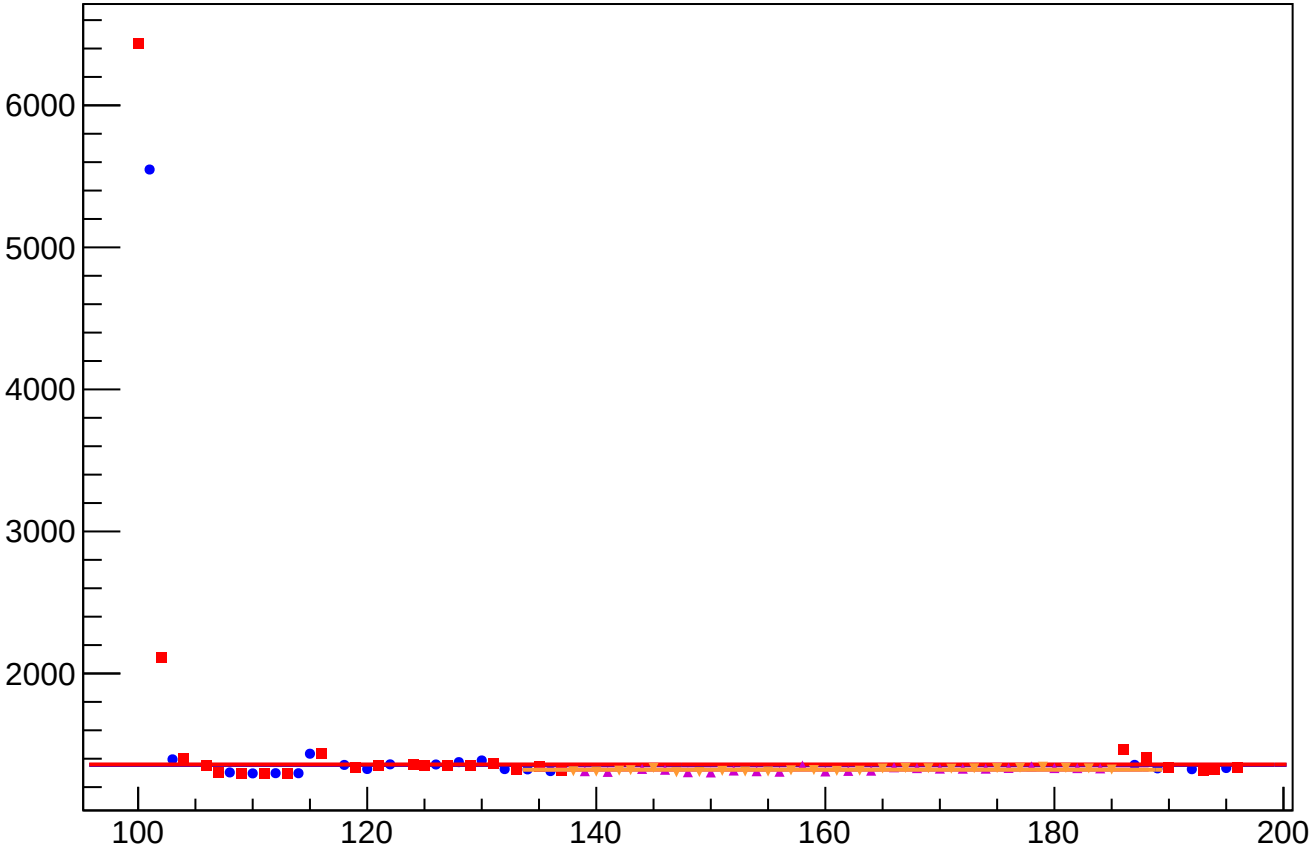
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -116.731+/-248.363 χ^2/NDF: 56.7/44

All: 34.338+/-174.482 χ^2/NDF: 103.4/92

- sign 181.560+/-245.179 χ^2/NDF: 46.0/47

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.006+/-0.312 χ^2/NDF: 761368.4/19

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1359.329+/-0.285 χ^2/NDF: 215535.7/24

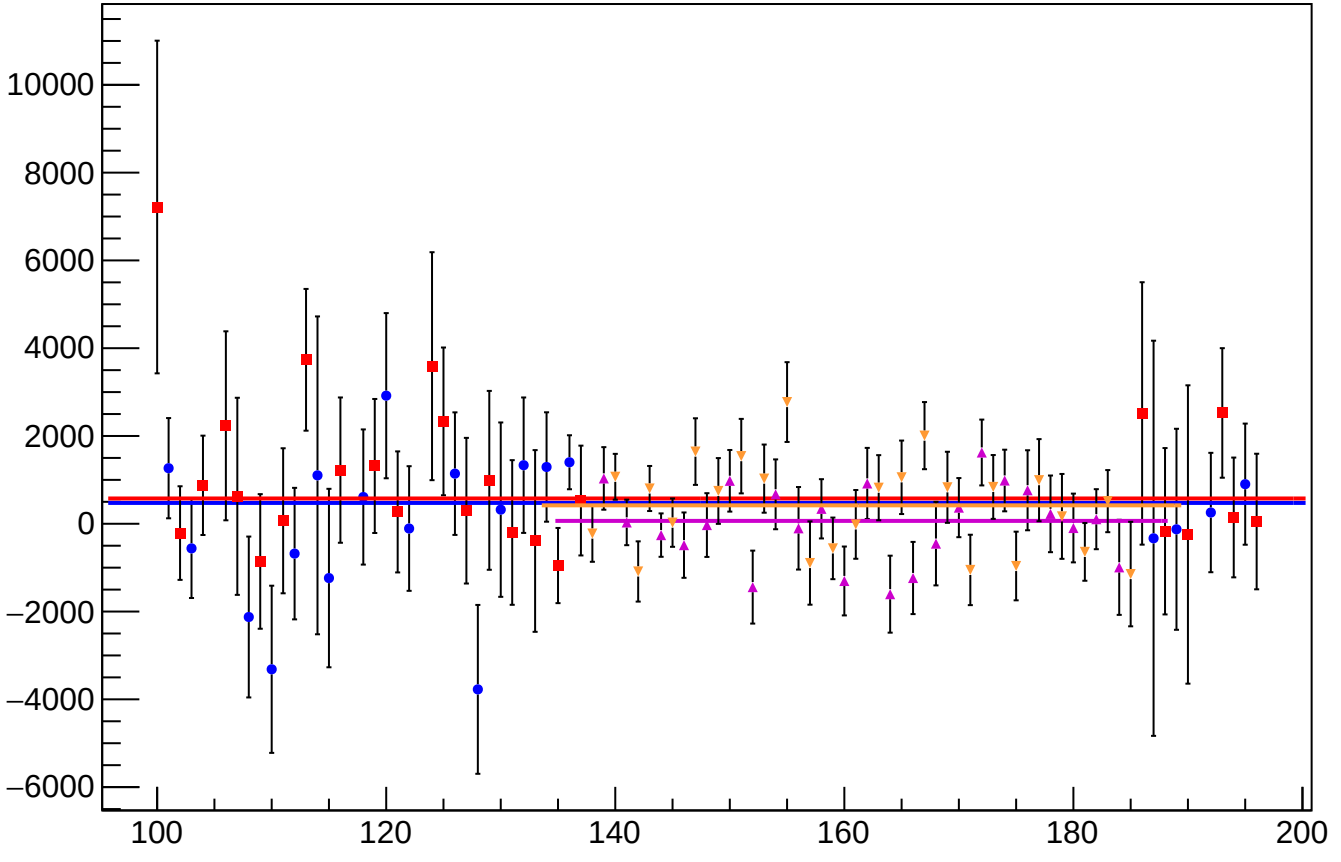
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.010+/-0.176 χ^2/NDF: 772234.3/44

All: 1334.862+/-0.123 χ^2/NDF: 1001896.4/92

- sign 1336.667+/-0.173 χ^2/NDF: 229442.4/47

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 474.954+/-314.096 χ^2/NDF: 18.8/19

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 576.087+/-312.495 χ^2/NDF: 18.2/24

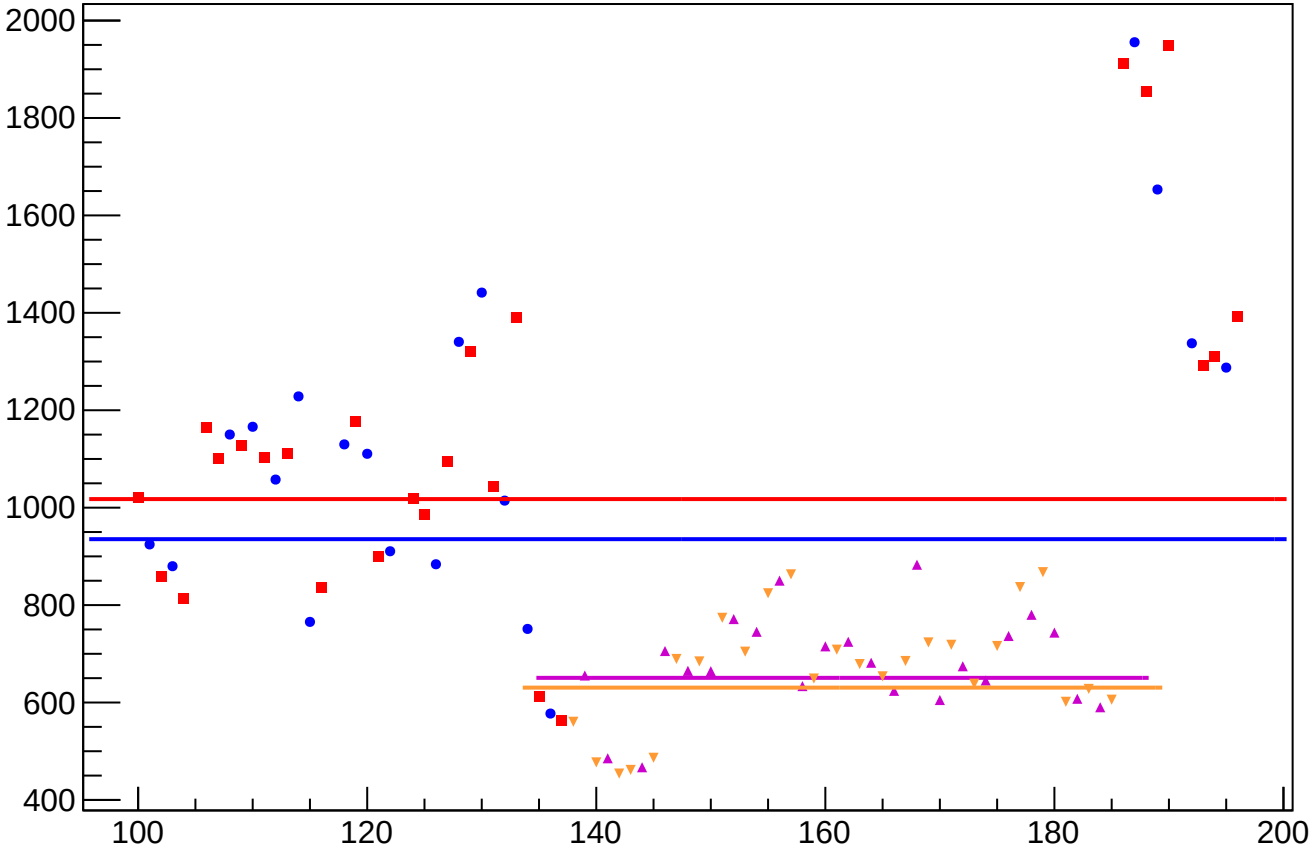
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 429.729+/-132.721 χ^2/NDF: 60.4/44

All: 303.016+/-95.759 χ^2/NDF: 109.7/92

\- sign 165.428+/-138.299 χ^2/NDF: 47.4/47

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 935.343+/-0.222 χ^2/NDF: 1704468.0/19

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1017.635+/-0.221 χ^2/NDF: 2031112.9/24

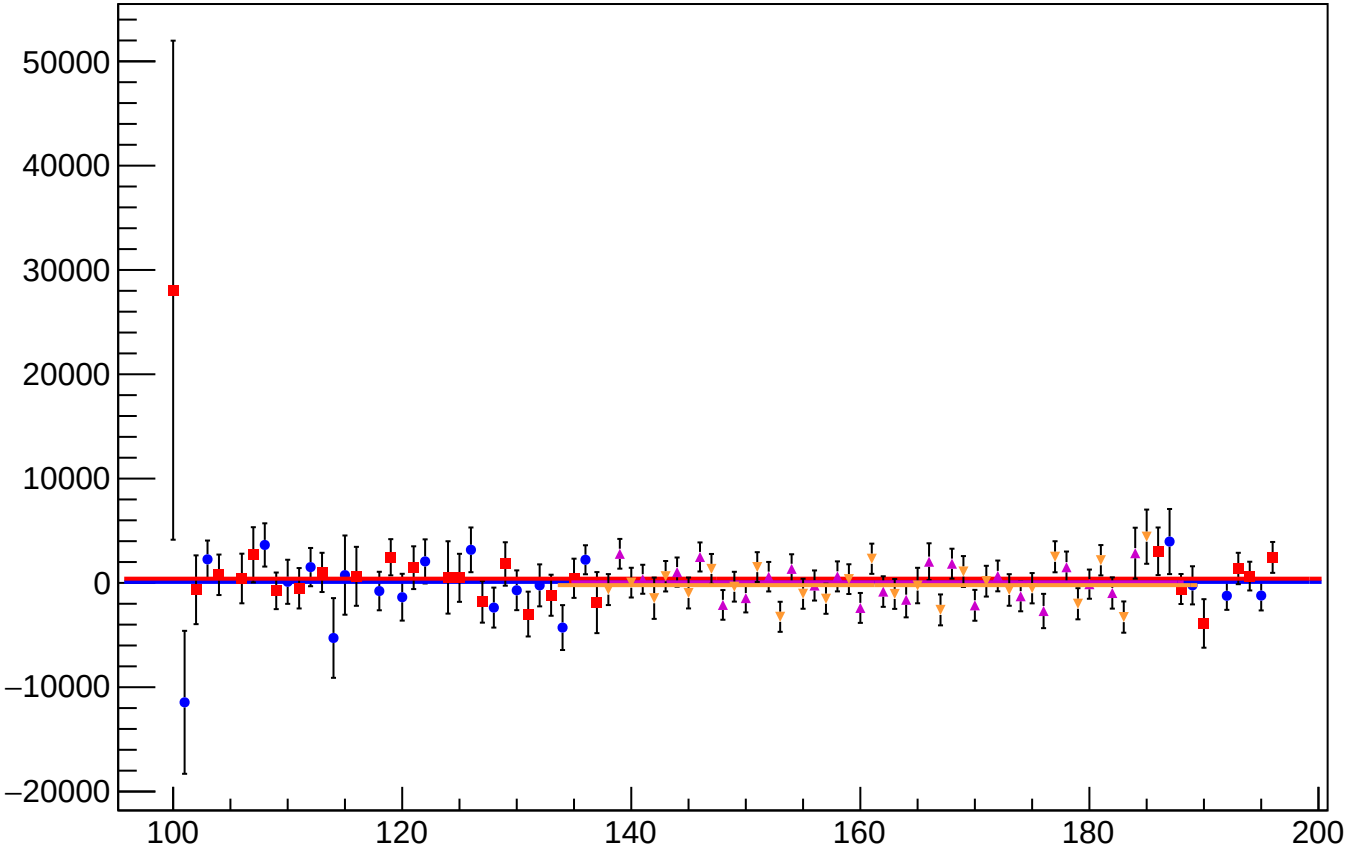
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 685.004+/-0.094 χ^2/NDF: 4579660.3/44

All: 702.989+/-0.068 χ^2/NDF: 9827665.6/92

- sign 722.518+/-0.098 χ^2/NDF: 5171401.0/47

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 95.703+/-441.571 χ^2/NDF: 25.1/19

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 404.797+/-402.871 χ^2/NDF: 17.7/24

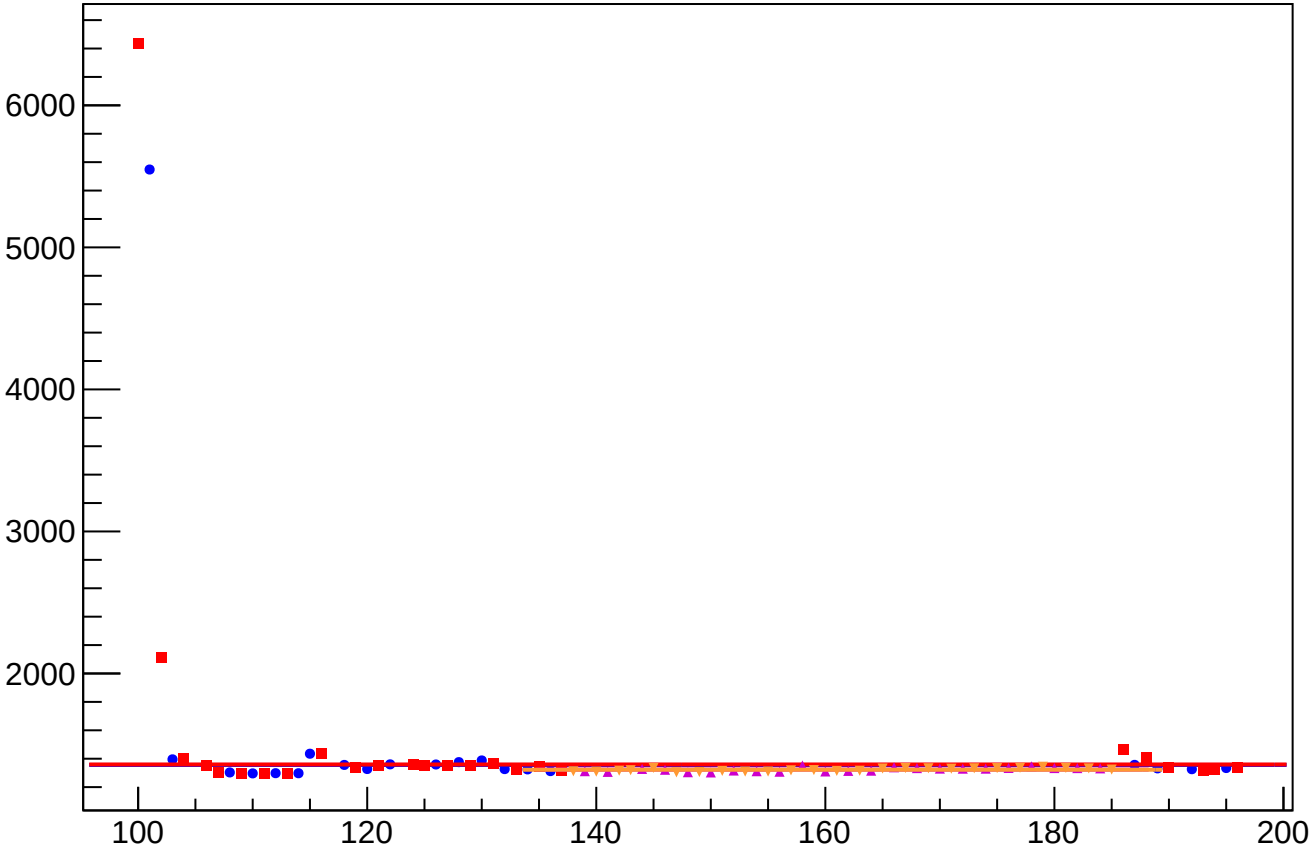
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -116.732+/-248.363 χ^2/NDF: 56.7/44

All: 34.338+/-174.482 χ^2/NDF: 103.4/92

- sign 181.559+/-245.179 χ^2/NDF: 46.0/47

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.006+/-0.312 χ^2/NDF: 761368.4/19

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

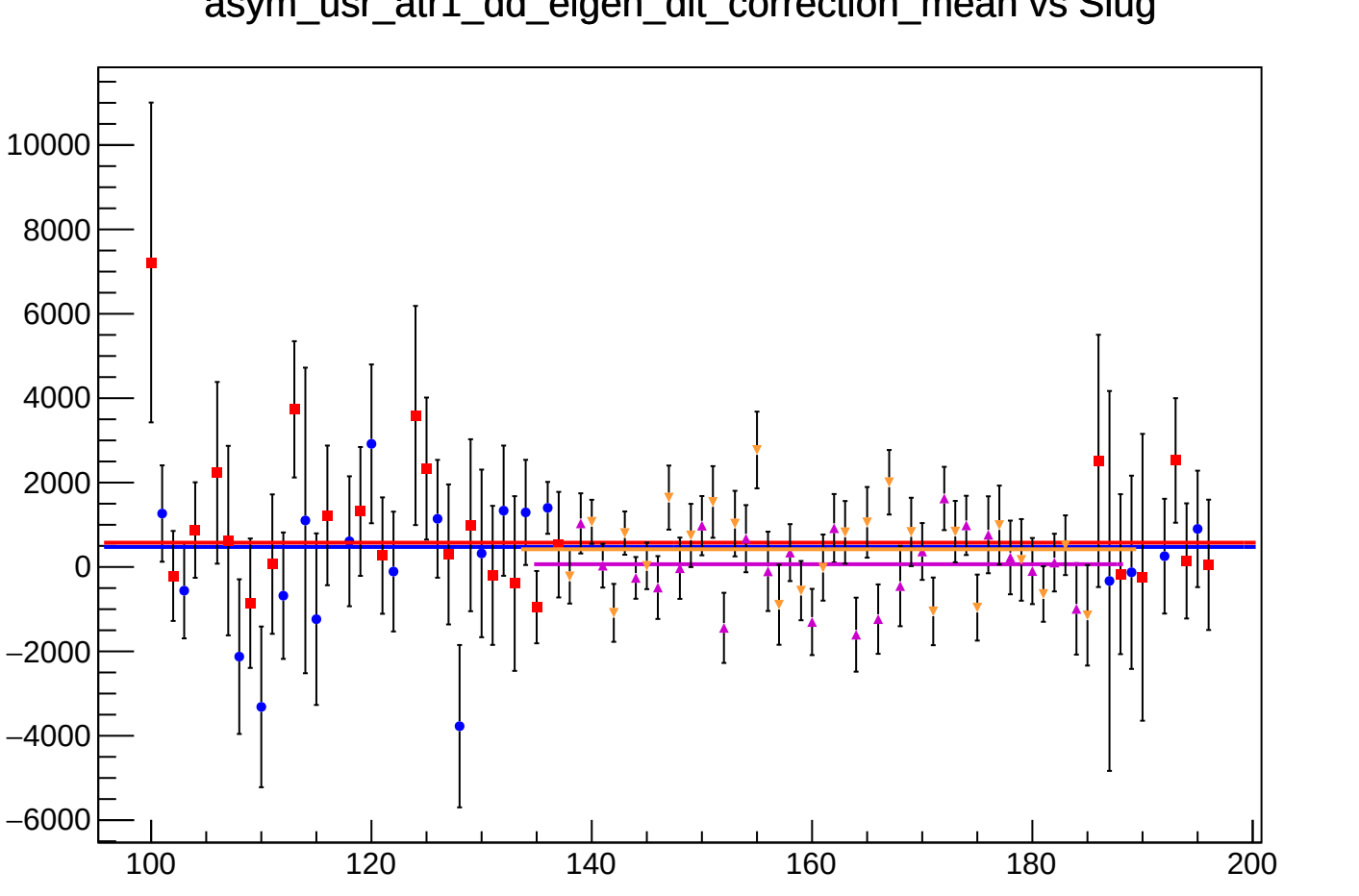
Right Out: 1359.329+/-0.285 χ^2/NDF: 215535.6/24

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

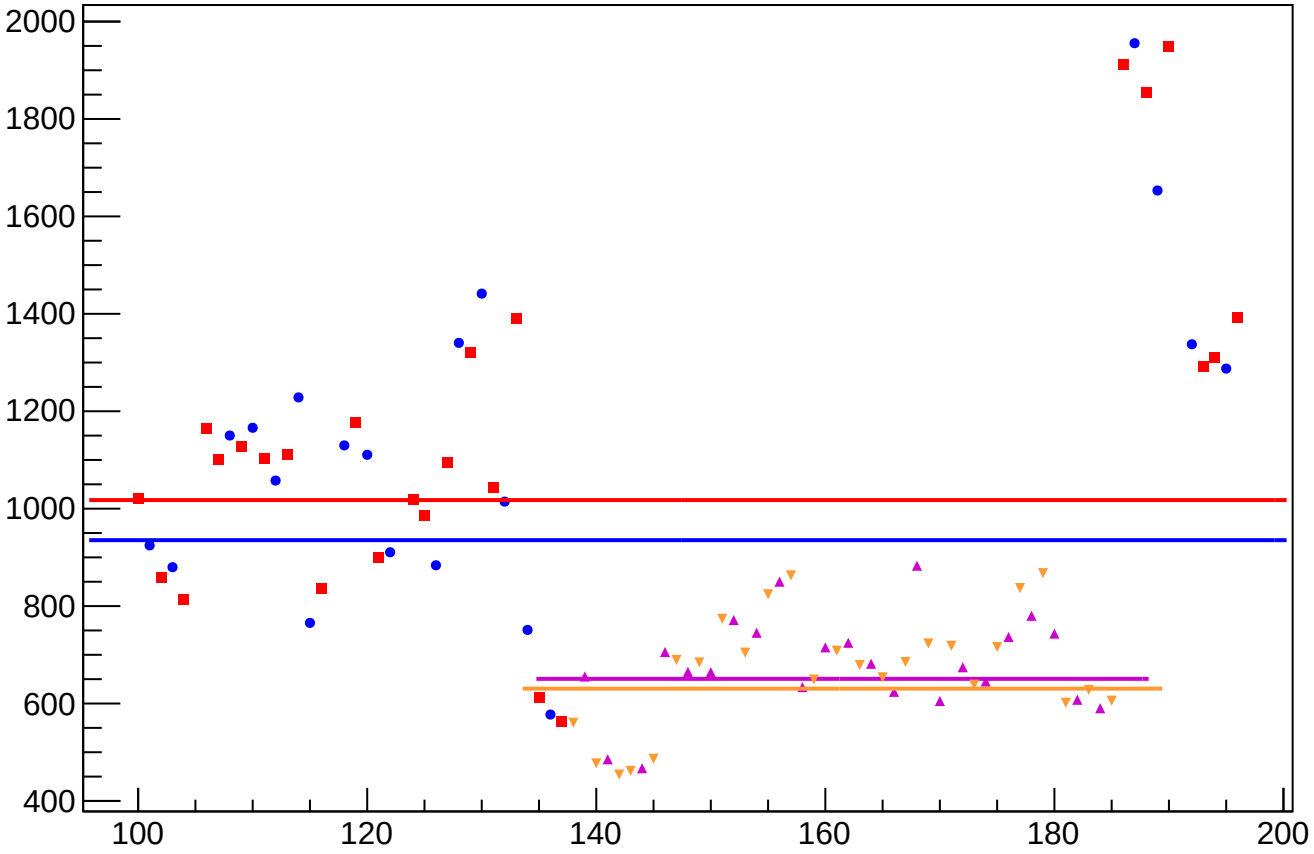
+ sign 1333.010+/-0.176 χ^2/NDF: 772234.2/44

All: 1334.862+/-0.123 χ^2/NDF: 1001896.3/92

- sign 1336.667+/-0.173 χ^2/NDF: 229442.4/47


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 474.952+/-314.095 χ²/NDF: 18.8/19
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: 576.086+/-312.494 χ²/NDF: 18.2/24
Left In: 65.405+/-154.225 χ²/NDF:27.0/22
+ sign 429.728+/-132.721 χ²/NDF: 60.4/44
All: 303.016+/-95.759 χ²/NDF: 109.7/92
- sign 165.429+/-138.299 χ²/NDF: 47.4/47

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 935.340+/-0.222 χ^2/NDF: 1704469.5/19

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1017.633+/-0.221 χ^2/NDF: 2031114.5/24

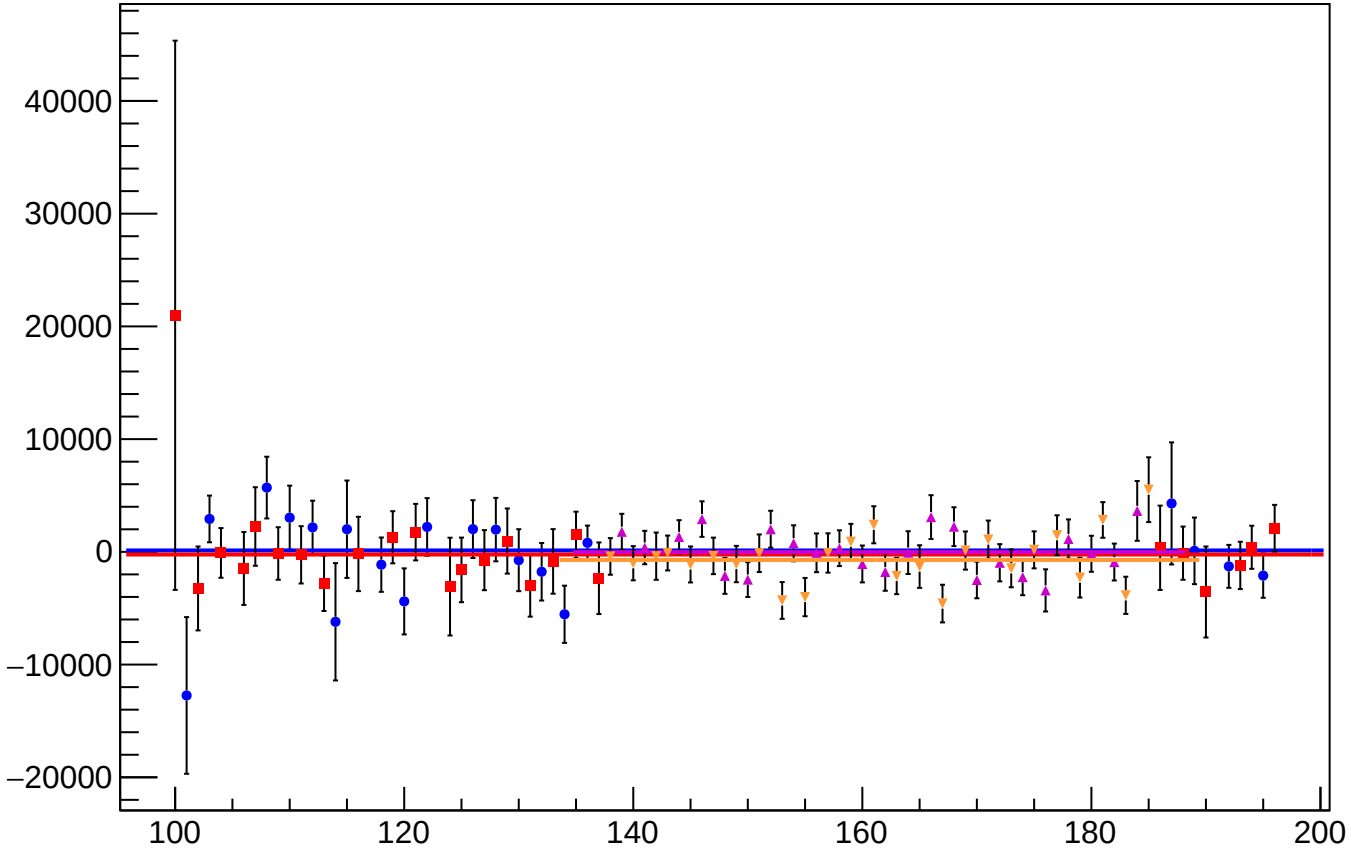
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 685.005+/-0.094 χ^2/NDF: 4579656.4/44

All: 702.990+/-0.068 χ^2/NDF: 9827643.1/92

- sign 722.519+/-0.098 χ^2/NDF: 5171380.2/47

asym_usr_atr1_dd_mean vs Slug



Right In: 124.476+/-572.082 χ^2/NDF: 25.4/19

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -236.954+/-536.671 χ^2/NDF: 9.6/24

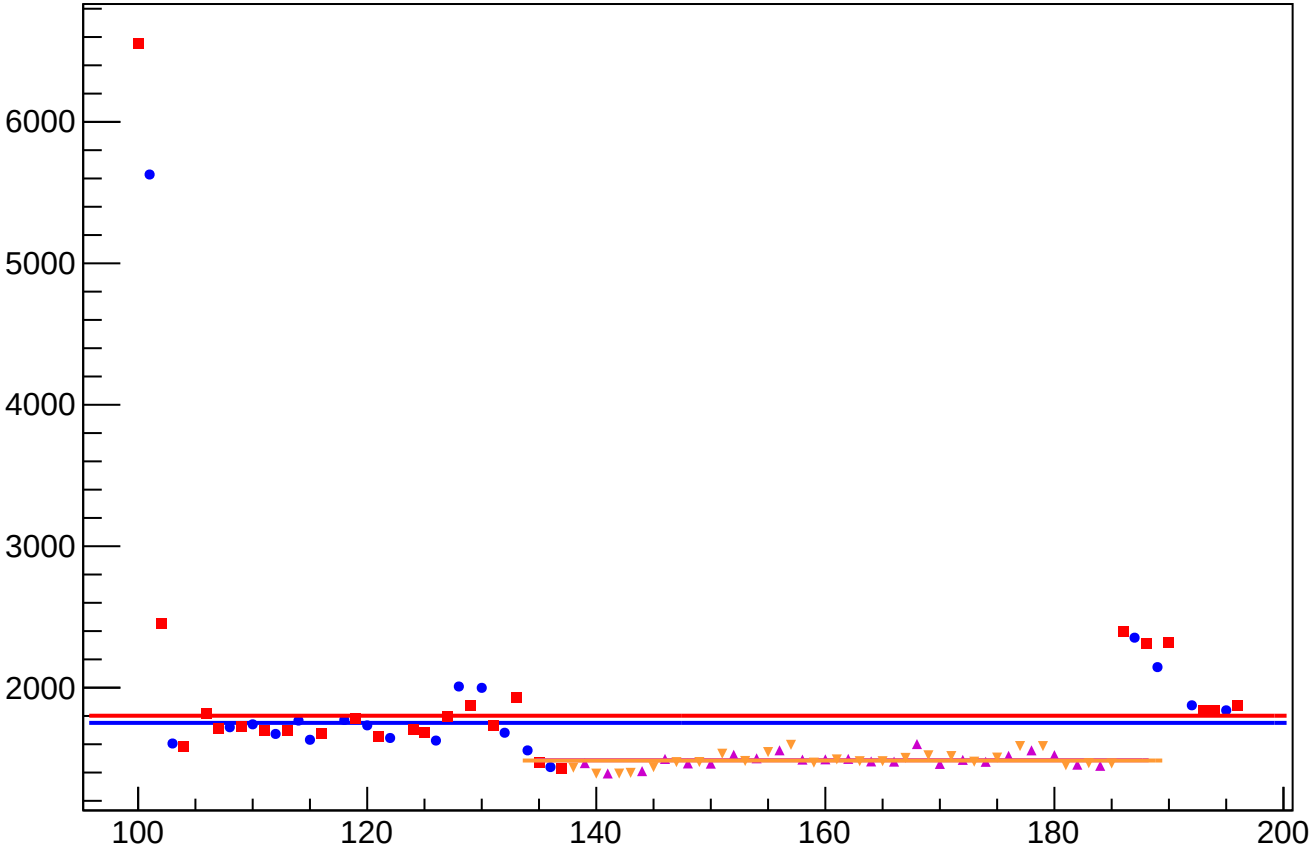
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -500.629+/-290.734 χ^2/NDF: 64.8/44

All: -295.636+/-205.900 χ^2/NDF: 103.5/92

- sign -89.364+/-291.640 χ^2/NDF: 37.7/47

asym_usr_atr1_dd_rms vs Slug



Right In: 1751.141+/-0.405 χ^2/NDF: 847772.1/19

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1801.683+/-0.379 χ^2/NDF: 447721.5/24

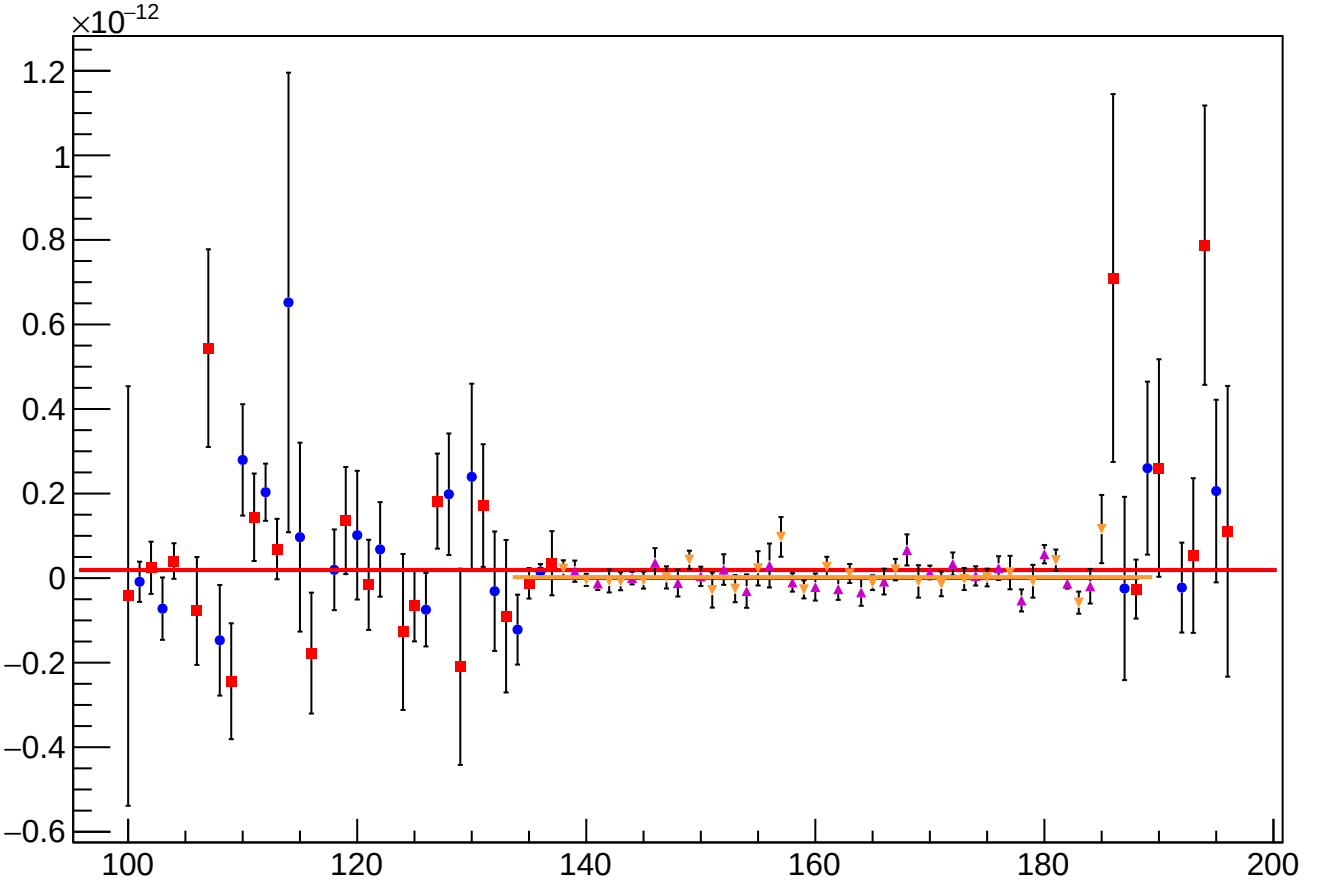
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1553.707+/-0.206 χ^2/NDF: 1219830.3/44

All: 1566.817+/-0.146 χ^2/NDF: 2194755.6/92

- 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: 25.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/24

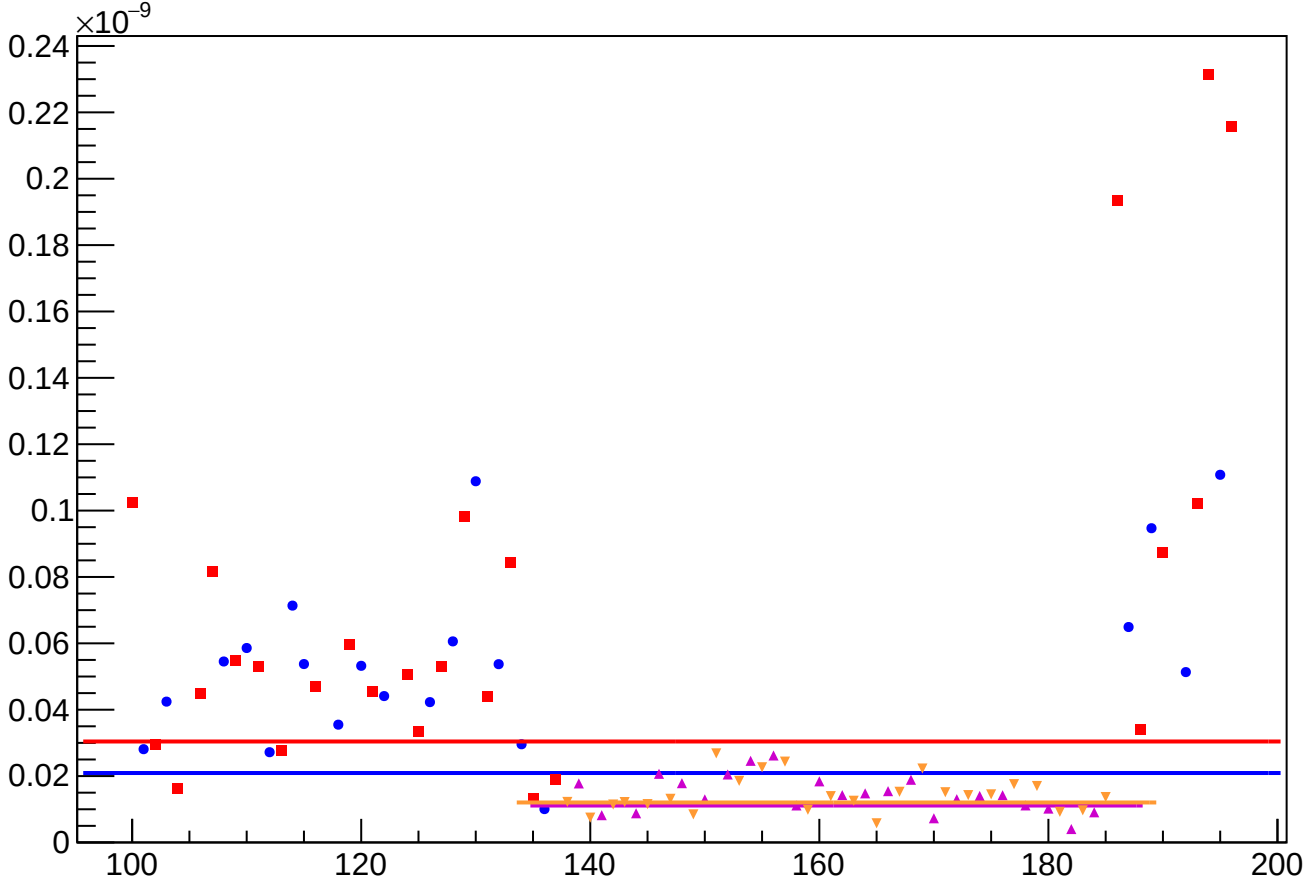
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/44

All: 0.000+/-0.000 χ^2/NDF: 109.3/92

- 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: 3148703.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

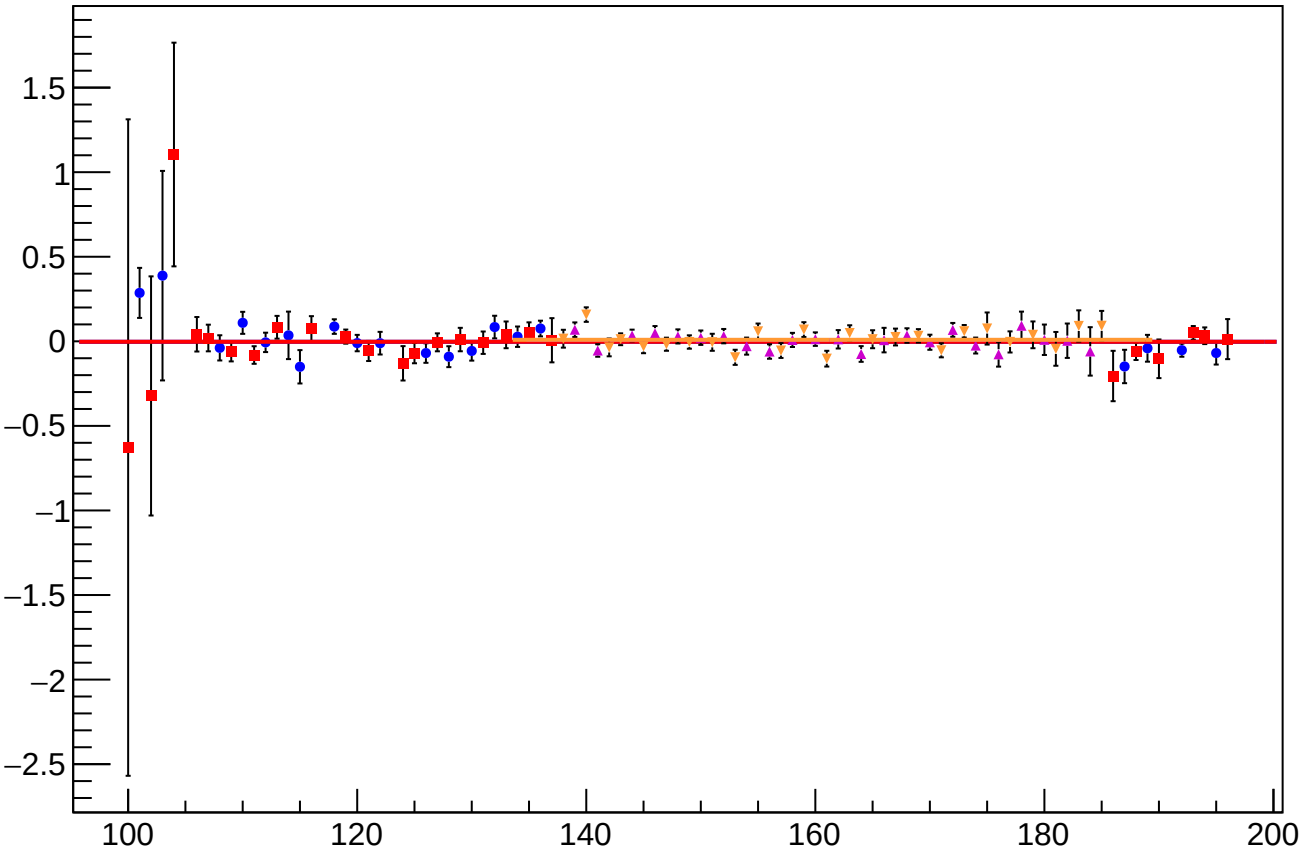
Right Out: 0.000+/-0.000 χ^2/NDF: 3709665.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5370205.5/44

All: 0.000+/-0.000 χ^2/NDF: 13401857.6/92

- sign 0.000+/-0.000 χ^2/NDF: 8014326.3/47



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

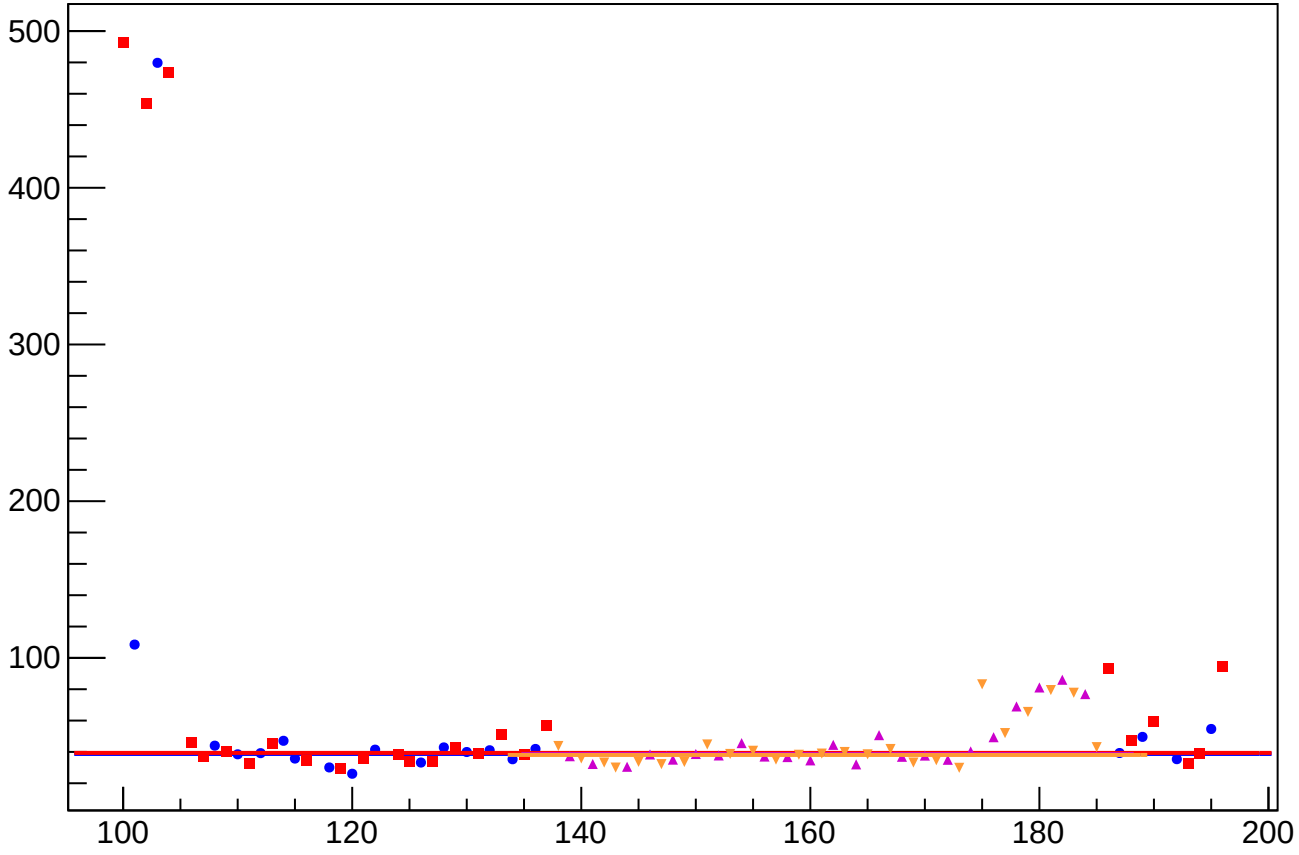
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/92

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.703+/-0.010 χ^2/NDF: 1906028.8/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

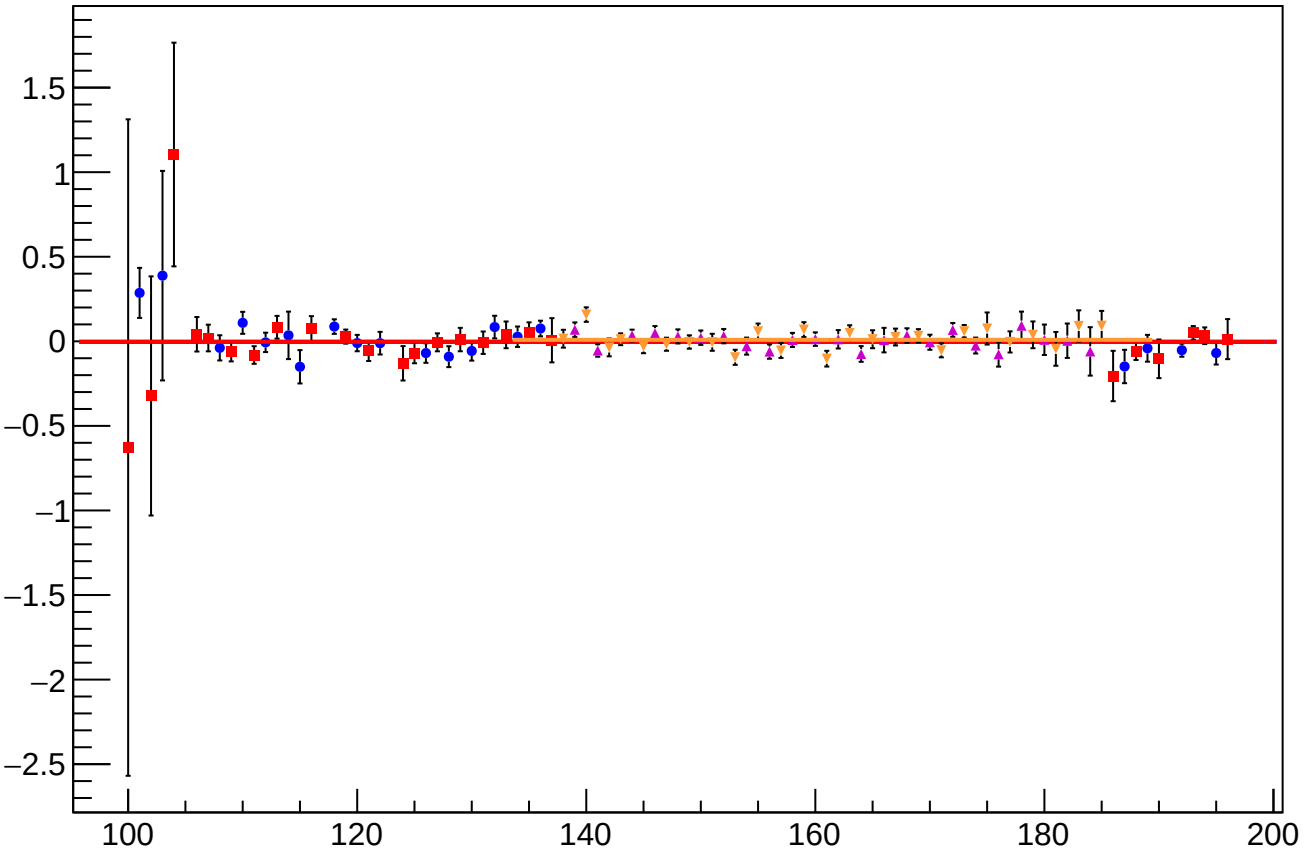
Right Out: 39.372+/-0.010 χ^2/NDF: 2835045.6/24

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875951.6/44

All: 38.576+/-0.004 χ^2/NDF: 8448686.5/92

\- sign 38.890+/-0.006 χ^2/NDF: 4566638.3/47



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

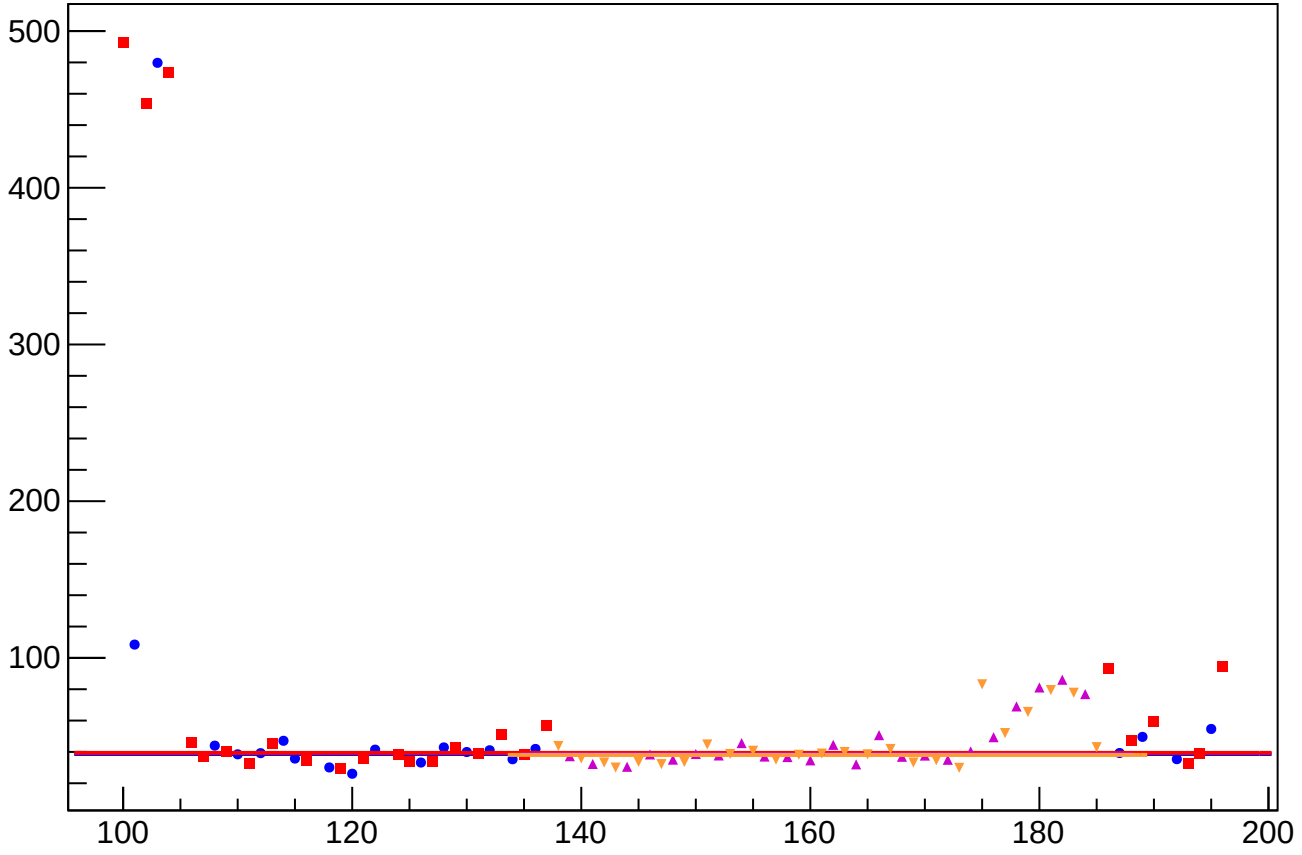
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/92

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.703+/-0.010 χ^2/NDF: 1906028.8/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

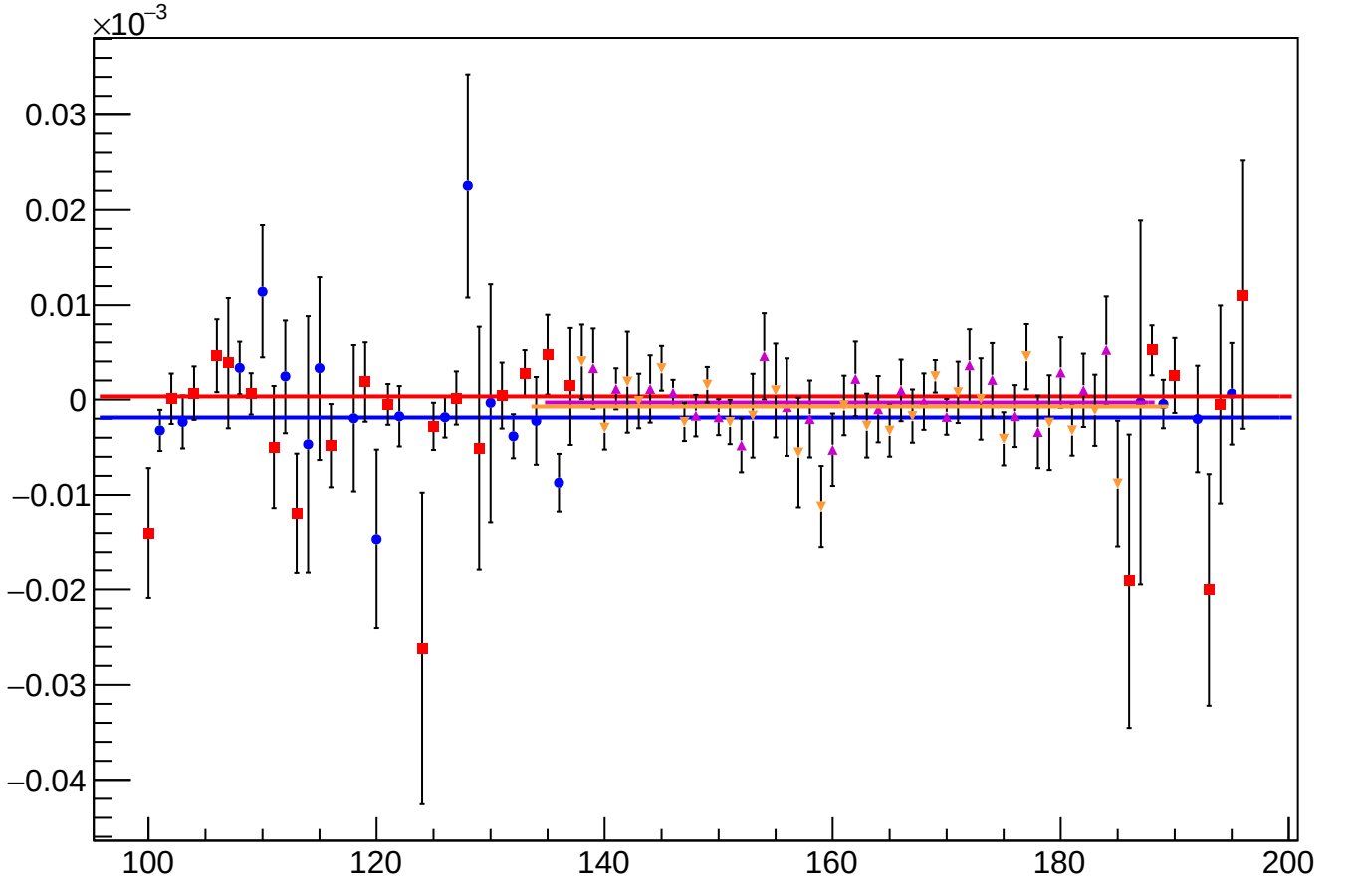
Right Out: 39.372+/-0.010 χ^2/NDF: 2835045.6/24

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875951.6/44

All: 38.576+/-0.004 χ^2/NDF: 8448686.5/92

\- sign 38.890+/-0.006 χ^2/NDF: 4566638.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

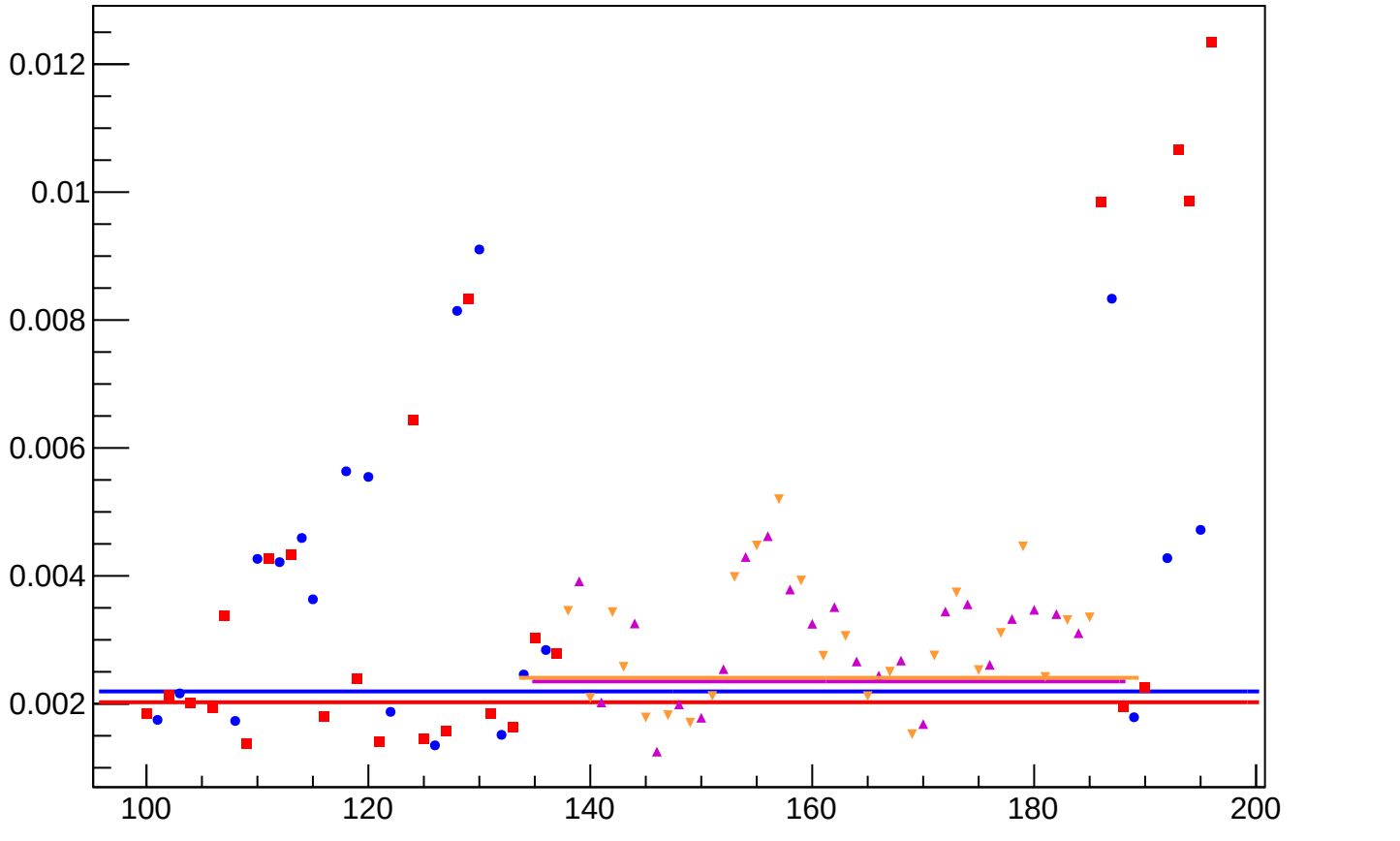
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/24

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/44

All: -0.000+/-0.000 χ^2/NDF: 92.9/92

- sign -0.000+/-0.000 χ^2/NDF: 41.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 4019255.7/19

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

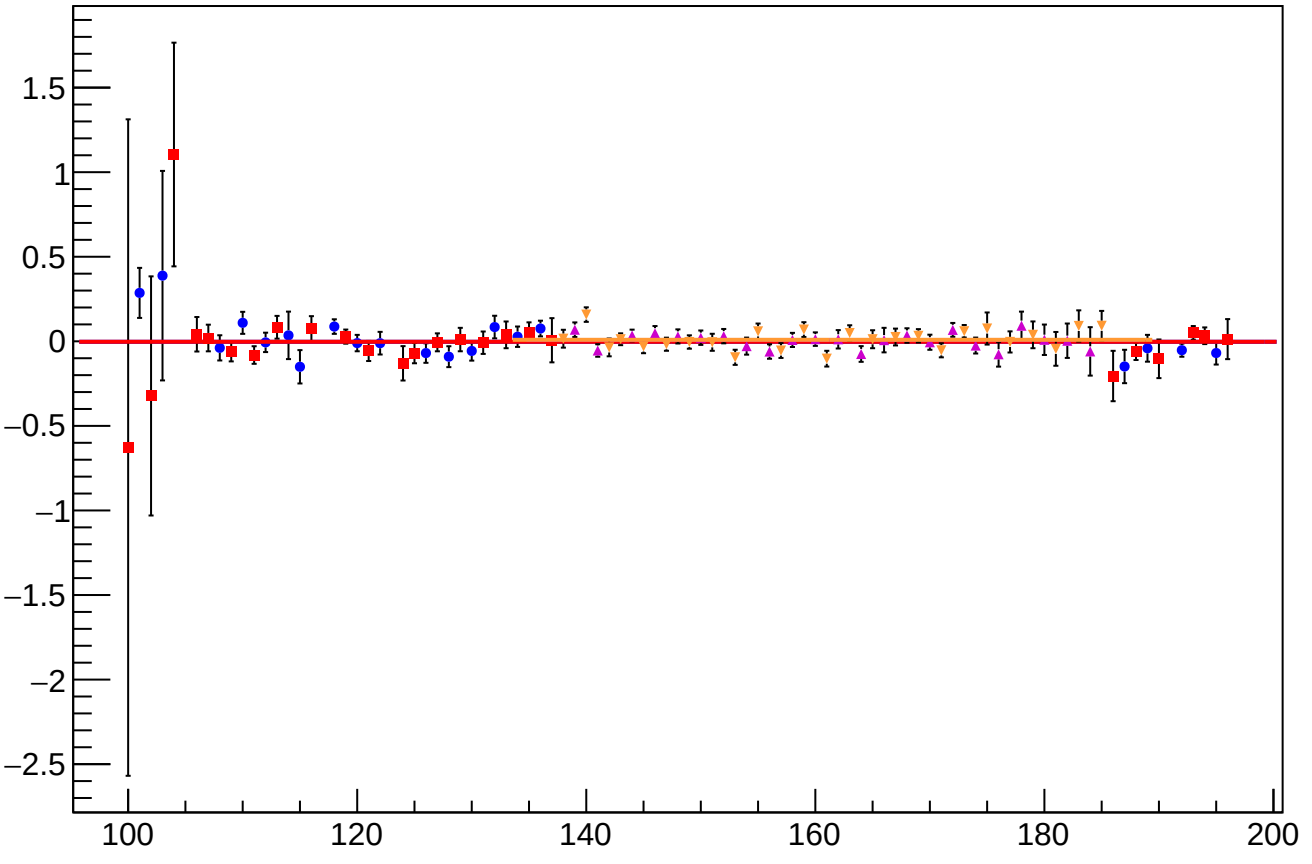
Right Out: 0.002+/-0.000 χ^2/NDF: 5676470.0/24

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

\+ sign 0.002+/-0.000 χ^2/NDF: 7791831.7/44

All: 0.002+/-0.000 χ^2/NDF: 18202684.6/92

\- sign 0.002+/-0.000 χ^2/NDF: 10352127.6/47



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

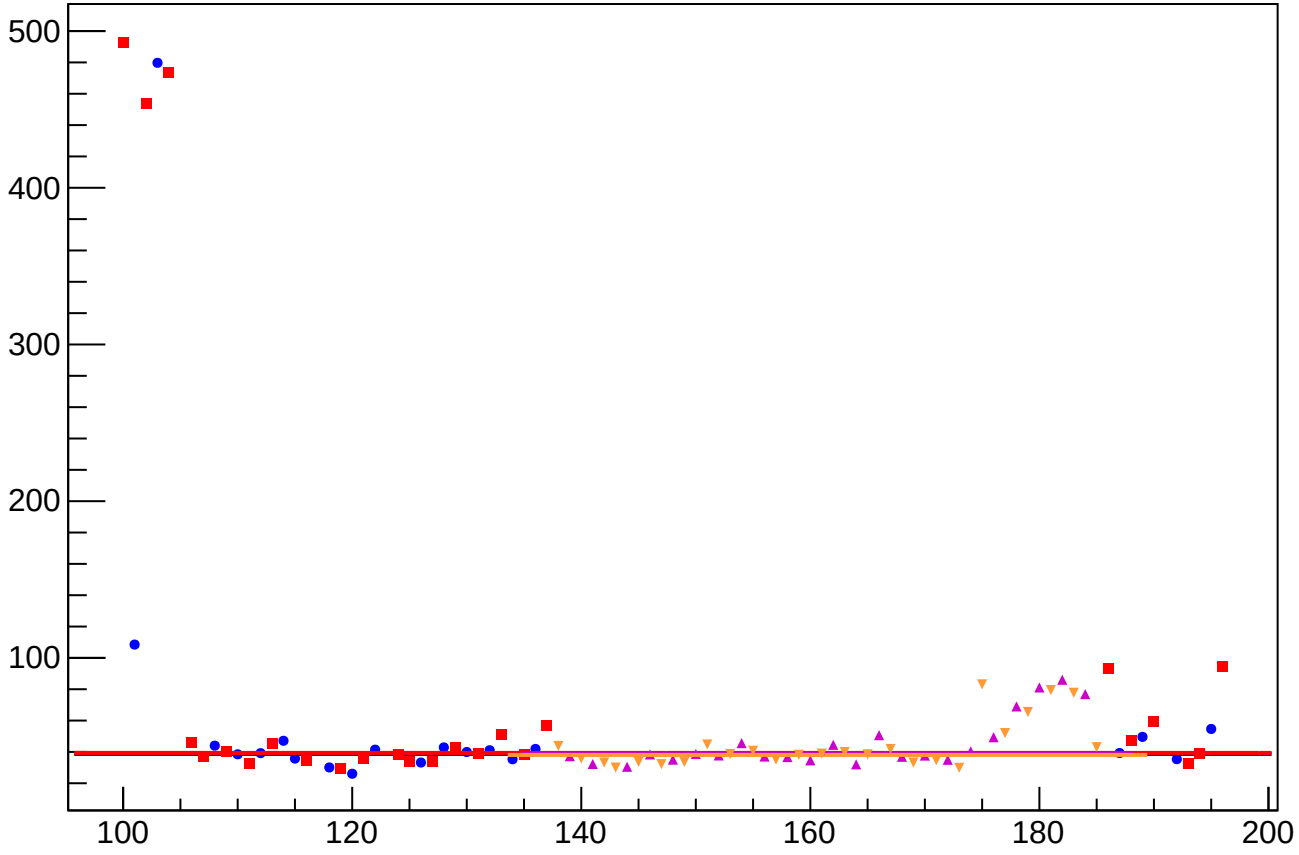
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/92

- 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: 38.703+/-0.010 χ^2/NDF: 1906079.1/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

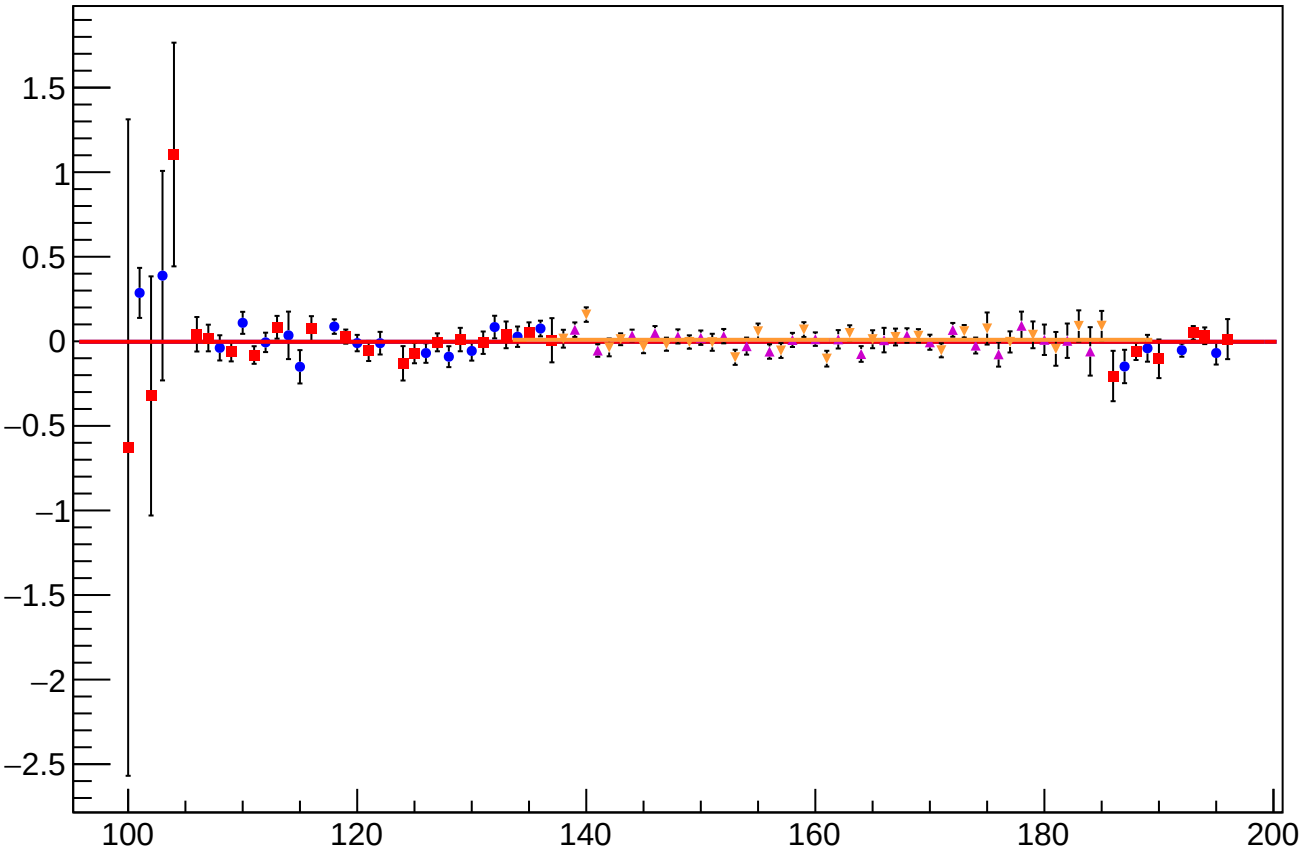
Right Out: 39.369+/-0.010 χ^2/NDF: 2835252.7/24

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875991.3/44

All: 38.575+/-0.004 χ^2/NDF: 8448914.6/92

\- sign 38.889+/-0.006 χ^2/NDF: 4566846.8/47



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

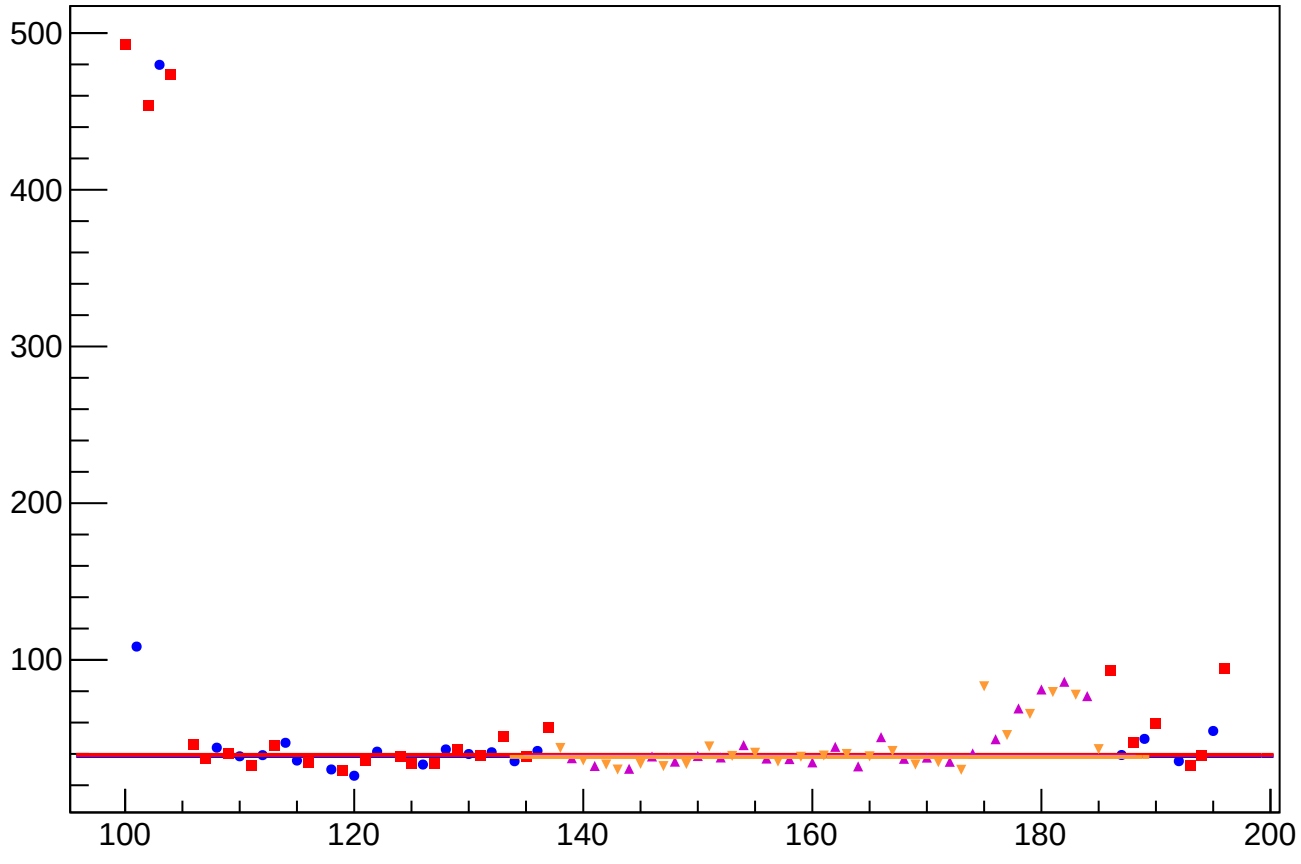
Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/92

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47



Right In: 38.703+/-0.010 χ^2/NDF: 1906079.1/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

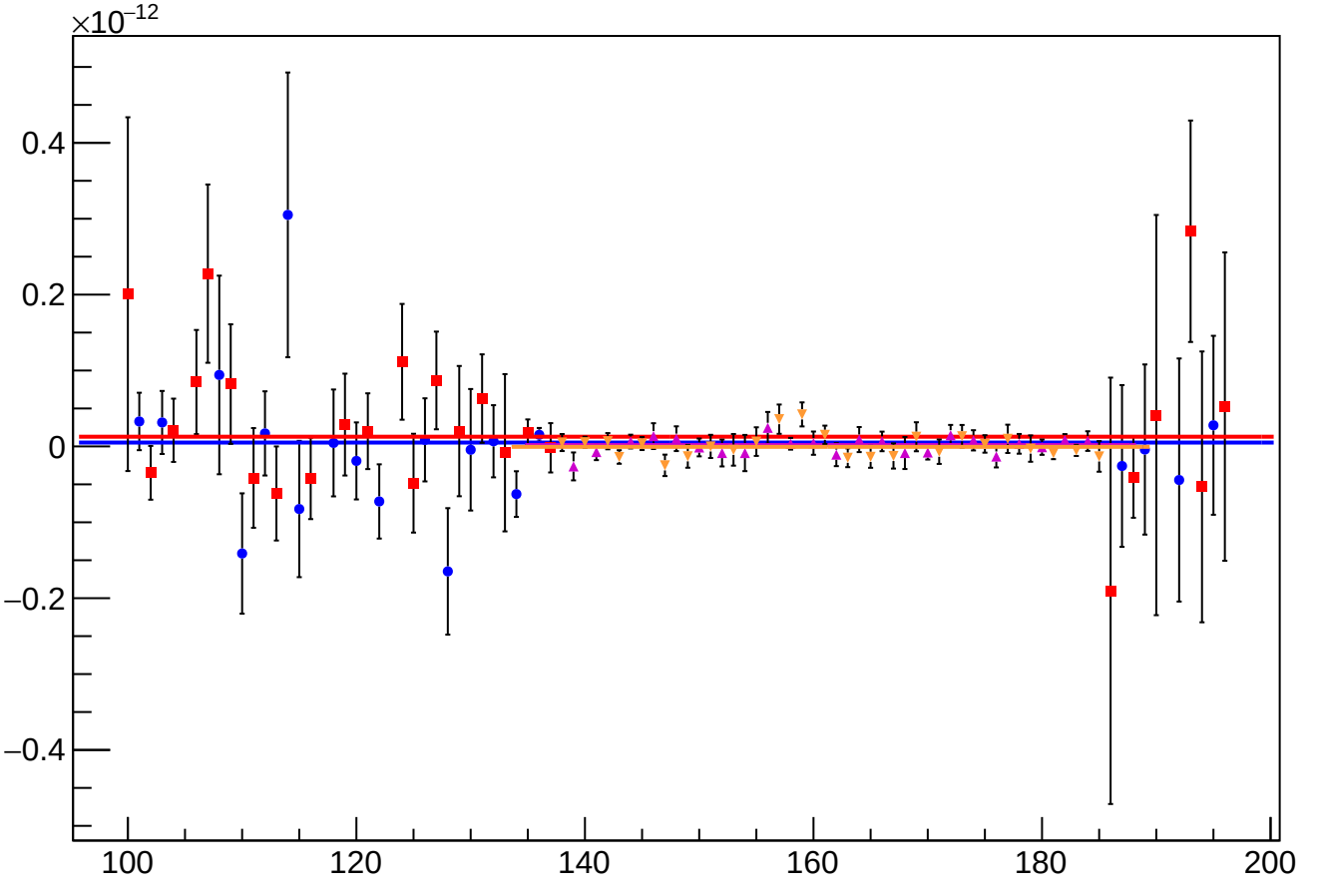
Right Out: 39.369+/-0.010 χ^2/NDF: 2835252.7/24

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875991.3/44

All: 38.575+/-0.004 χ^2/NDF: 8448914.6/92

\- sign 38.889+/-0.006 χ^2/NDF: 4566846.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

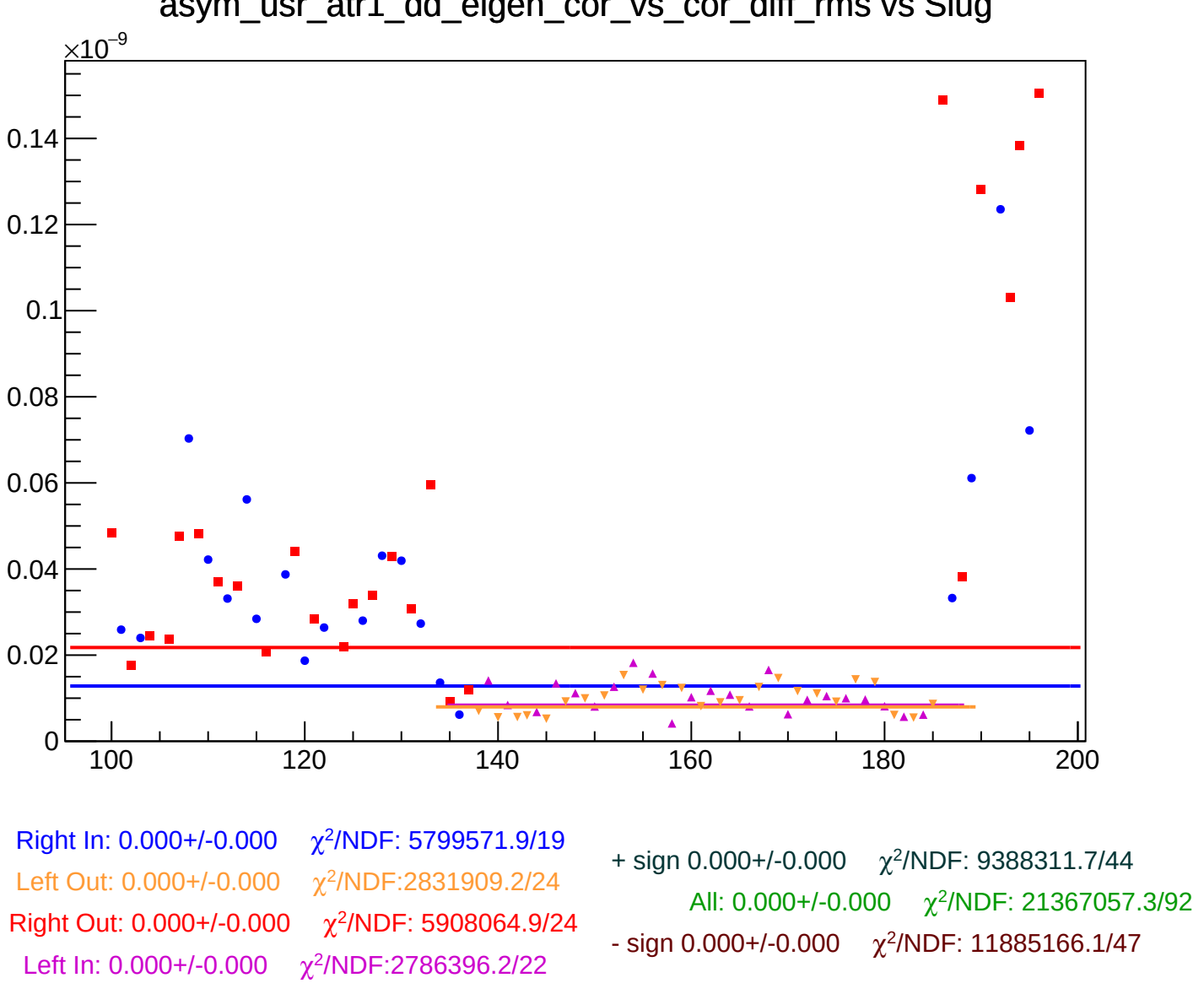
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/24

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

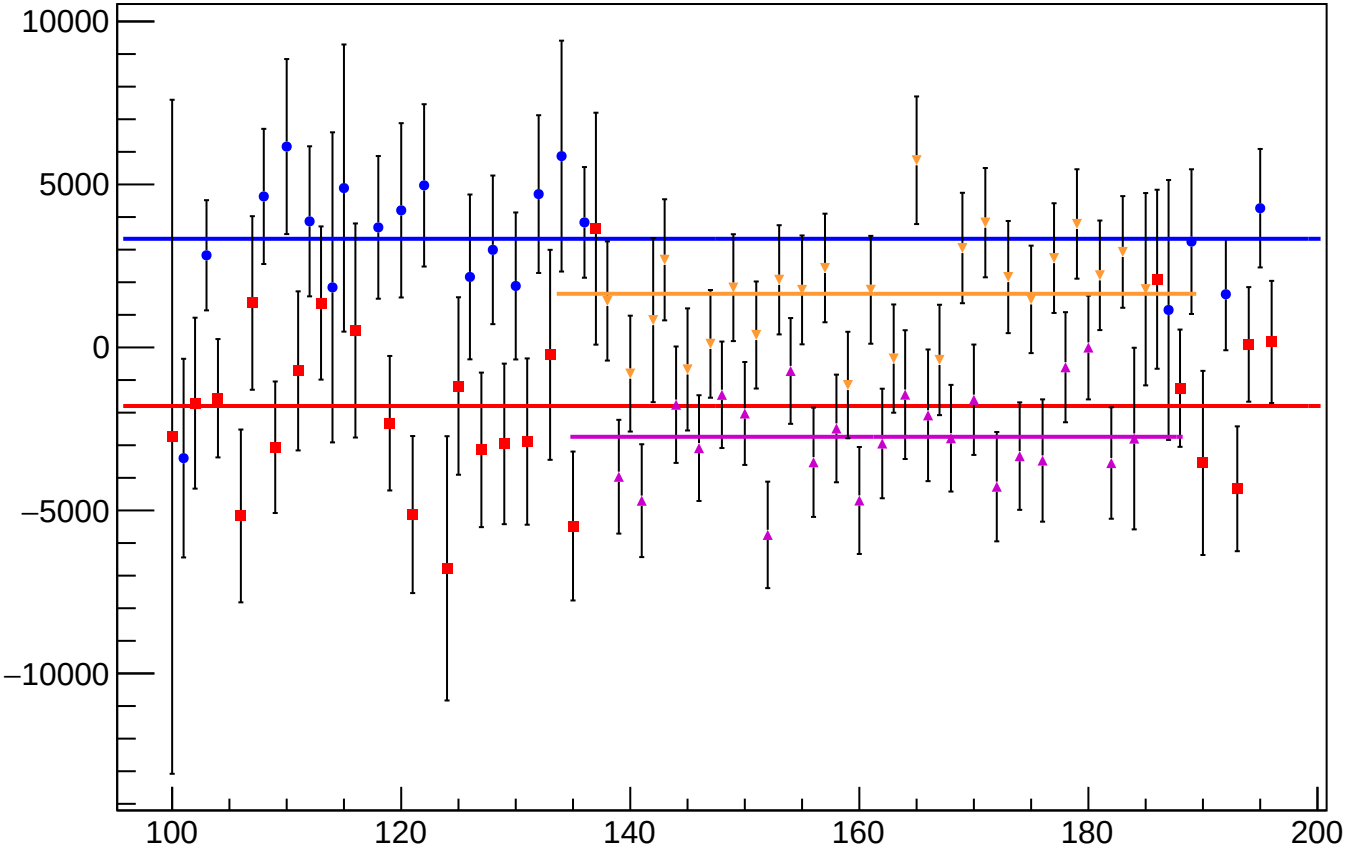
+ sign -0.000+/-0.000 χ^2/NDF: 49.3/44

All: 0.000+/-0.000 χ^2/NDF: 83.7/92

- sign 0.000+/-0.000 χ^2/NDF: 33.8/47


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5799571.9/19
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 5908064.9/24
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9388311.7/44
All: 0.000+/-0.000 χ²/NDF: 21367057.3/92
- sign 0.000+/-0.000 χ²/NDF: 11885166.1/47

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3332.938+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.941+/-479.779 χ^2/NDF: 21.9/24

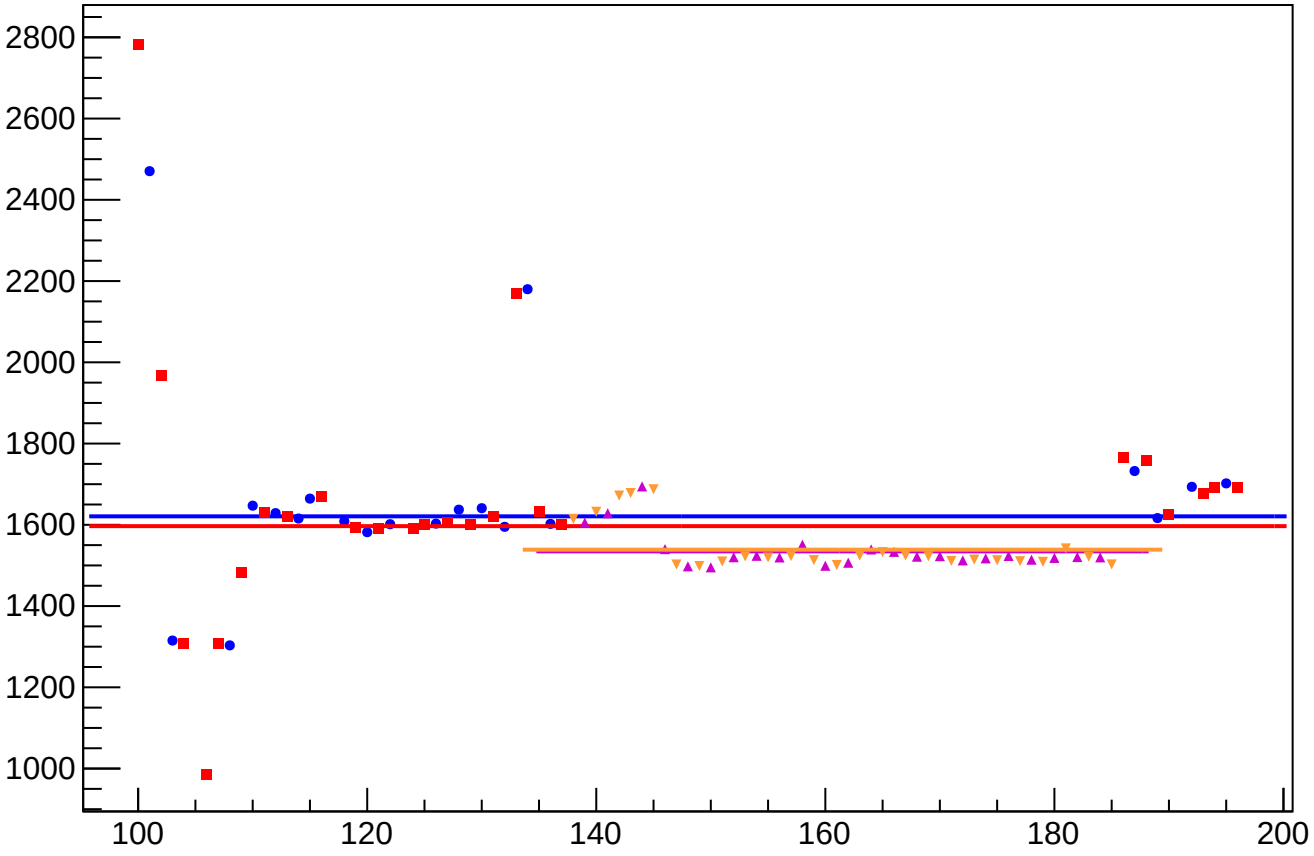
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.382+/-290.512 χ^2/NDF: 38.7/44

All: -143.023+/-204.228 χ^2/NDF: 204.8/92

- sign -2402.397+/-287.161 χ^2/NDF: 40.8/47

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1620.867+/-0.369 χ^2/NDF: 328756.7/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1596.729+/-0.335 χ^2/NDF: 430649.0/24

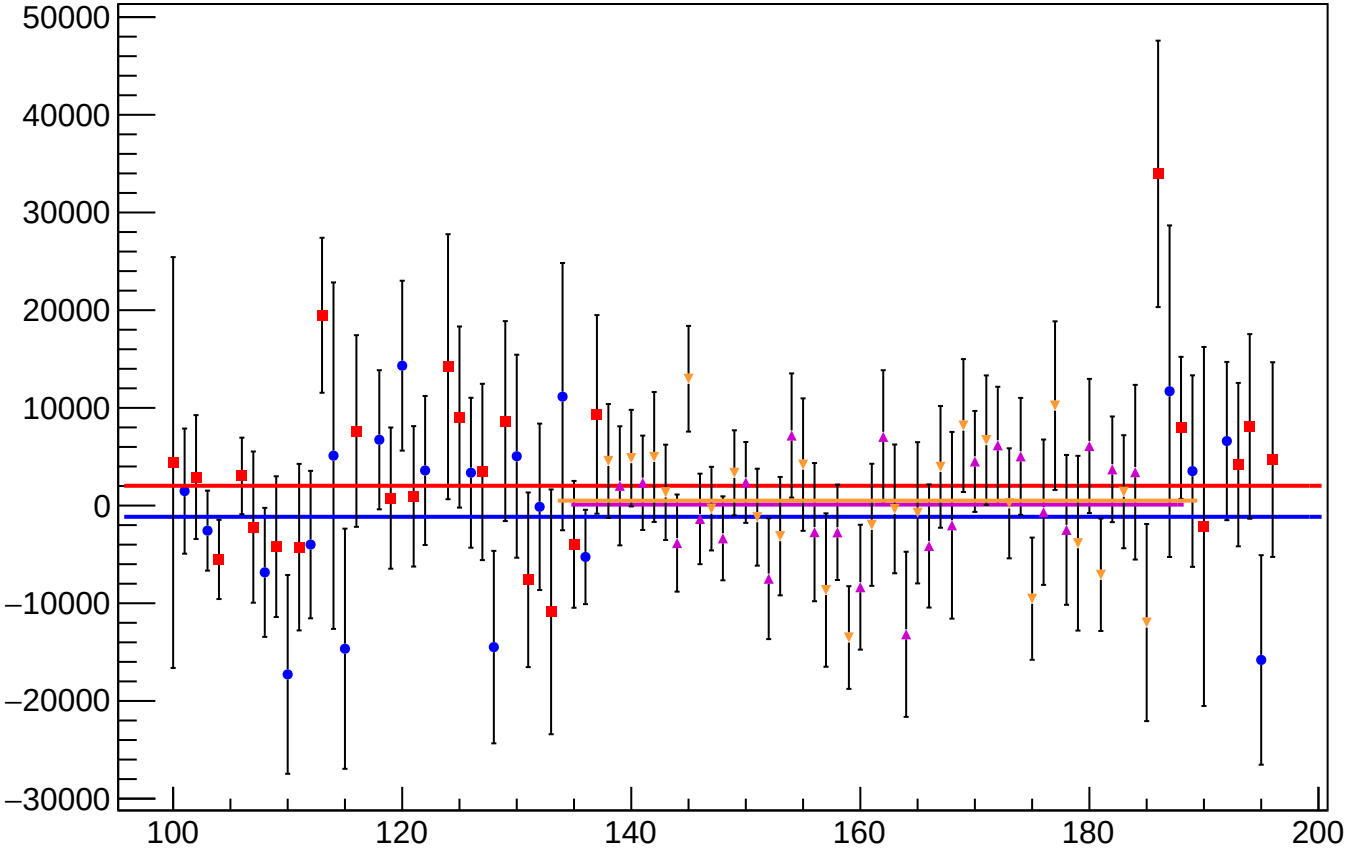
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409949.0/44

All: 1560.667+/-0.144 χ^2/NDF: 894144.8/92

- sign 1557.189+/-0.202 χ^2/NDF: 483595.0/47

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1149.831+/-1739.357 χ^2/NDF: 17.5/19

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2026.360+/-1539.900 χ^2/NDF: 22.5/24

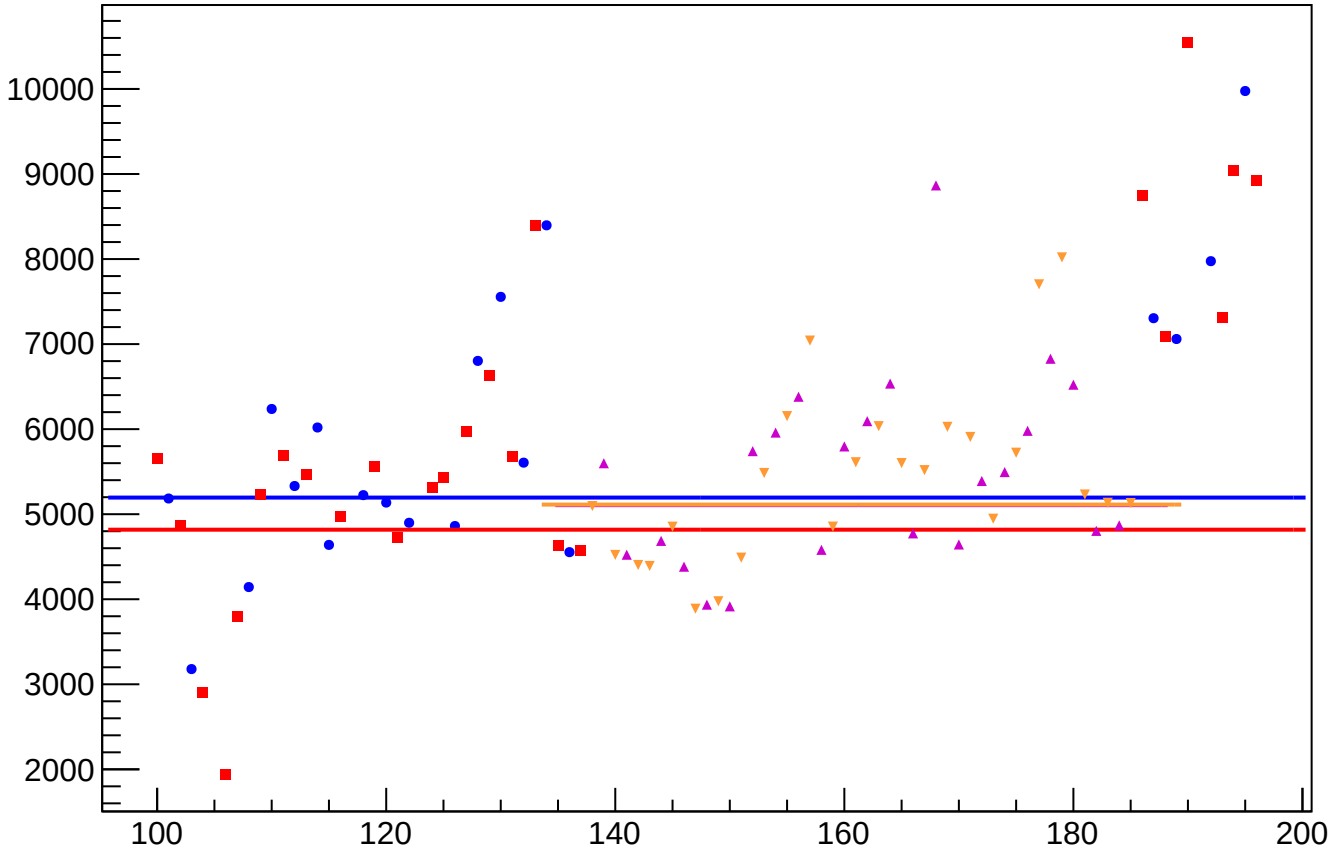
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.779+/-980.621 χ^2/NDF: 44.9/44

All: 420.350+/-684.201 χ^2/NDF: 83.7/92

- sign 839.762+/-955.096 χ^2/NDF: 38.4/47

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5195.370+/-1.230 χ^2/NDF: 1615306.2/19

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4817.674+/-1.089 χ^2/NDF: 3389525.4/24

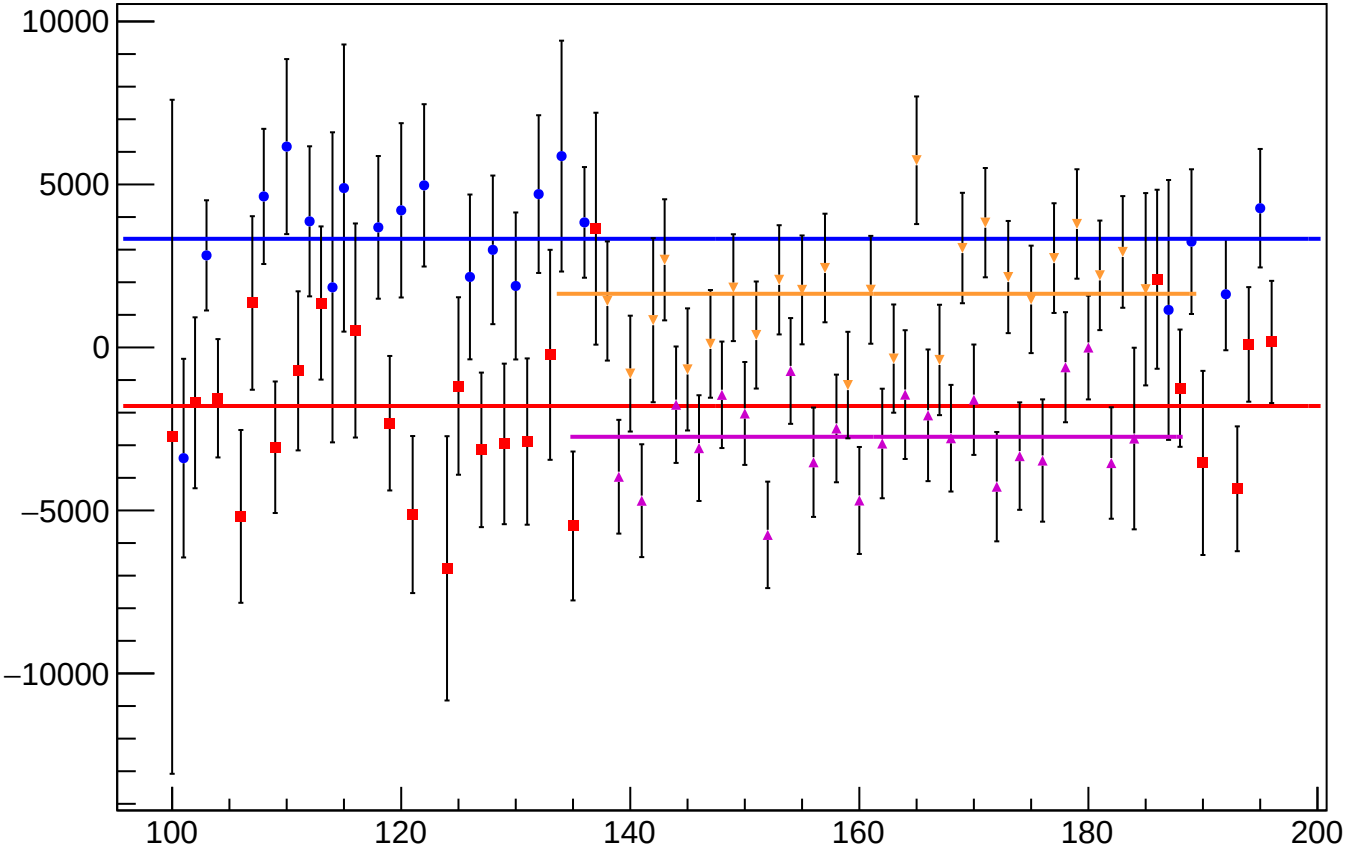
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5139.150+/-0.693 χ^2/NDF: 2777379.7/44

All: 5065.340+/-0.484 χ^2/NDF: 7483865.0/92

- sign 4995.322+/-0.675 χ^2/NDF: 4684405.9/47

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3332.711+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.915+/-479.781 χ^2/NDF: 21.9/24

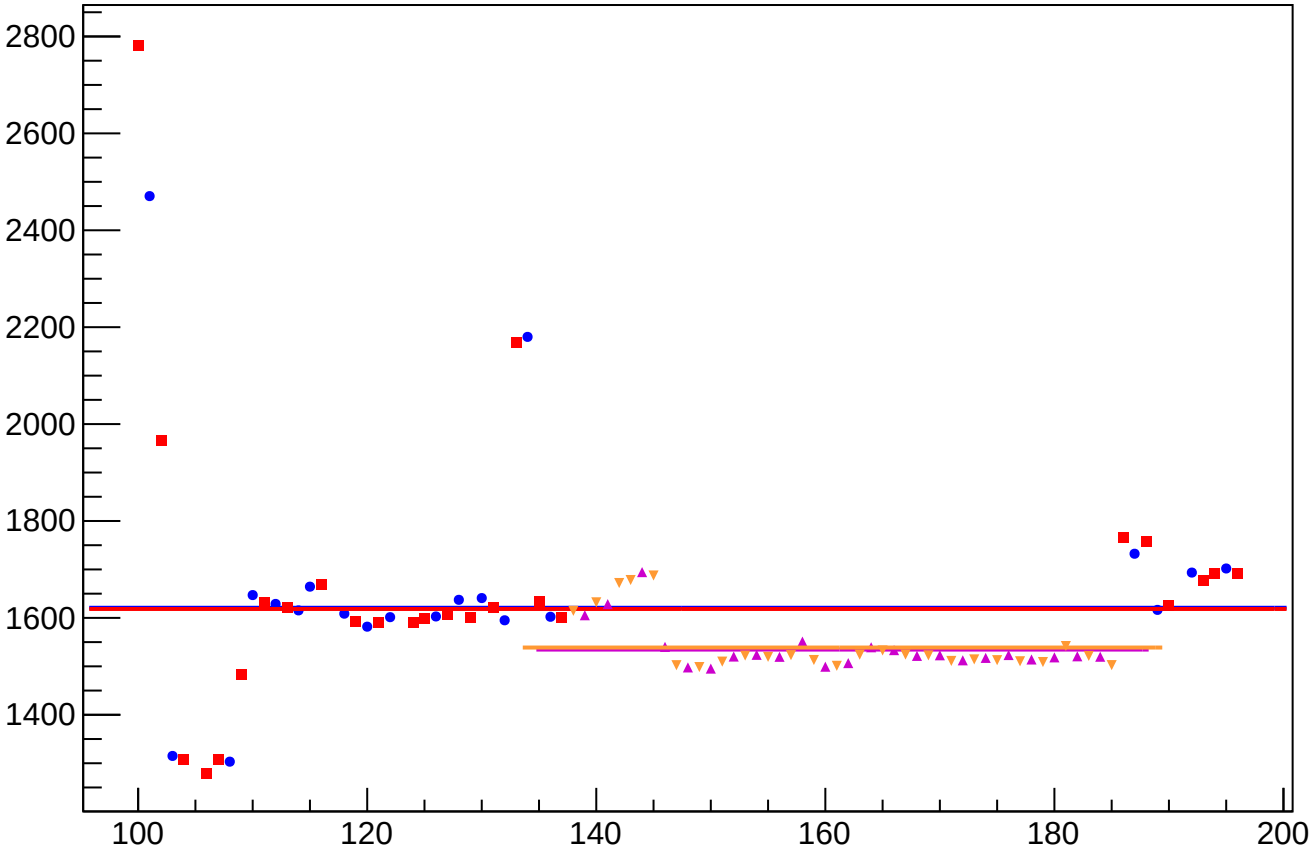
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.237+/-290.512 χ^2/NDF: 38.7/44

All: -143.056+/-204.228 χ^2/NDF: 204.8/92

- sign -2402.326+/-287.162 χ^2/NDF: 40.8/47

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1620.867+/-0.369 χ^2/NDF: 328755.8/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1618.415+/-0.338 χ^2/NDF: 280130.6/24

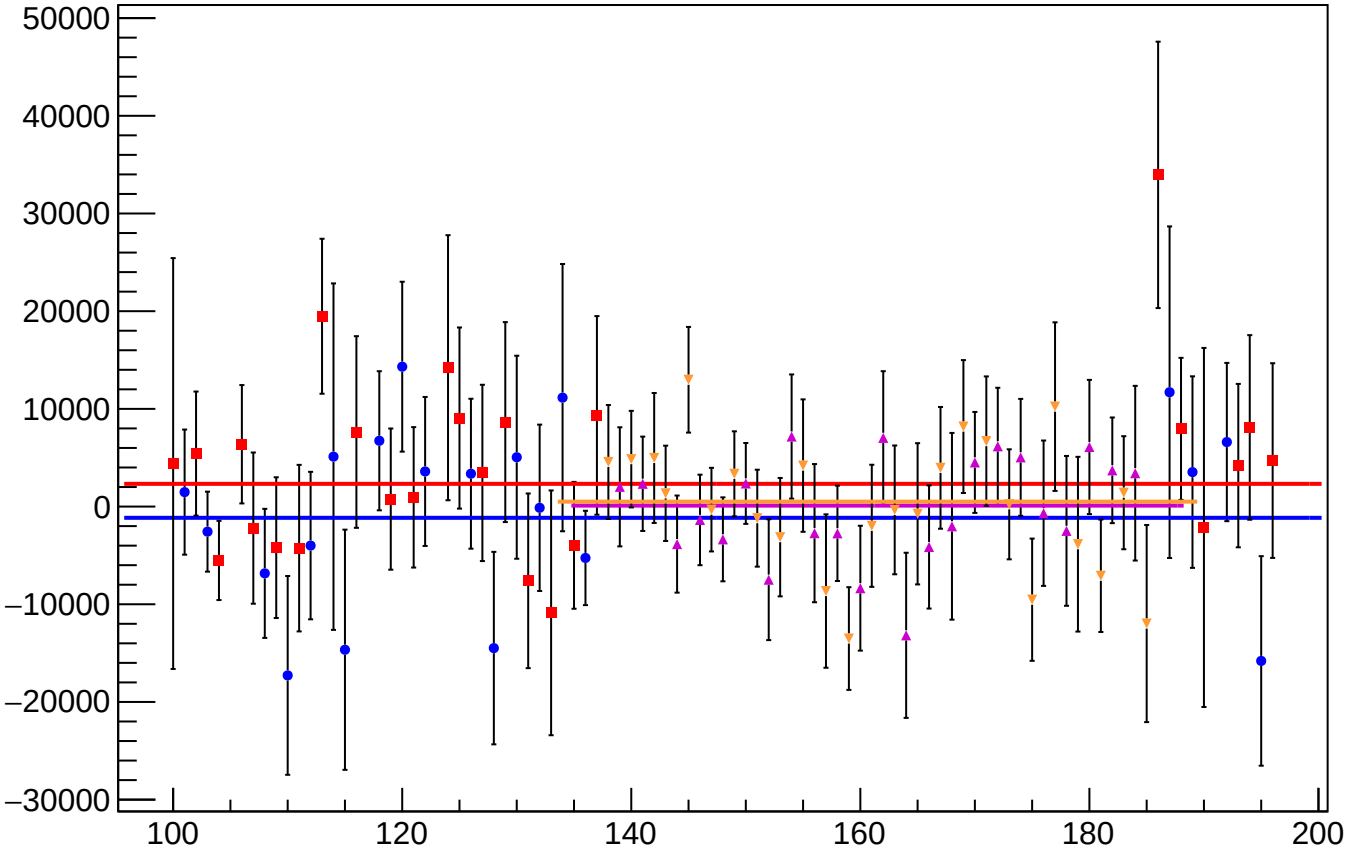
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409948.2/44

All: 1564.499+/-0.144 χ^2/NDF: 760492.2/92

- sign 1564.736+/-0.203 χ^2/NDF: 350541.2/47

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1150.017+/-1739.388 χ^2/NDF: 17.5/19

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2326.518+/-1614.372 χ^2/NDF: 23.2/24

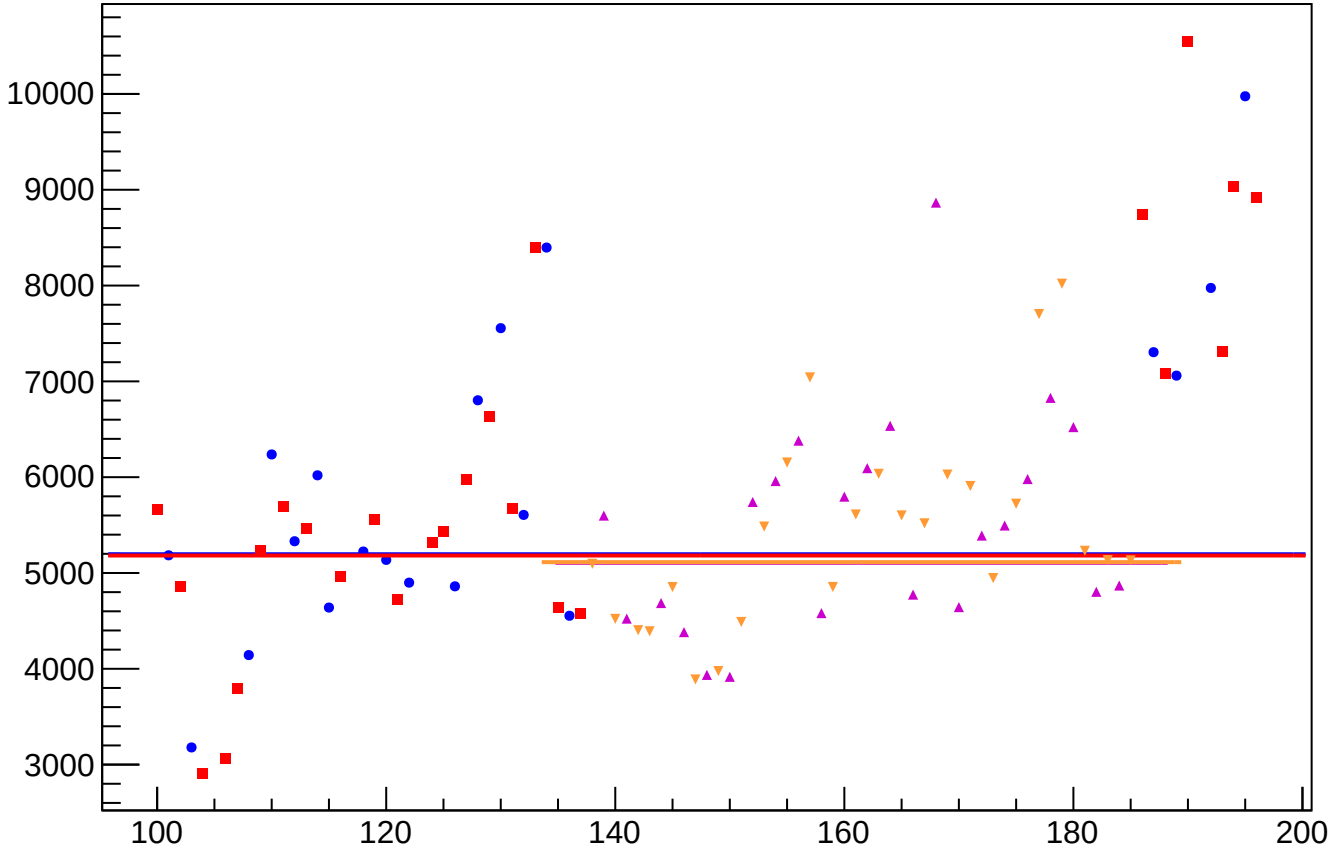
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.822+/-980.626 χ^2/NDF: 44.9/44

All: 446.135+/-690.372 χ^2/NDF: 84.7/92

- sign 905.987+/-972.097 χ^2/NDF: 39.3/47

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5195.504+/-1.230 χ^2/NDF: 1615045.0/19

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5182.352+/-1.142 χ^2/NDF: 2373975.2/24

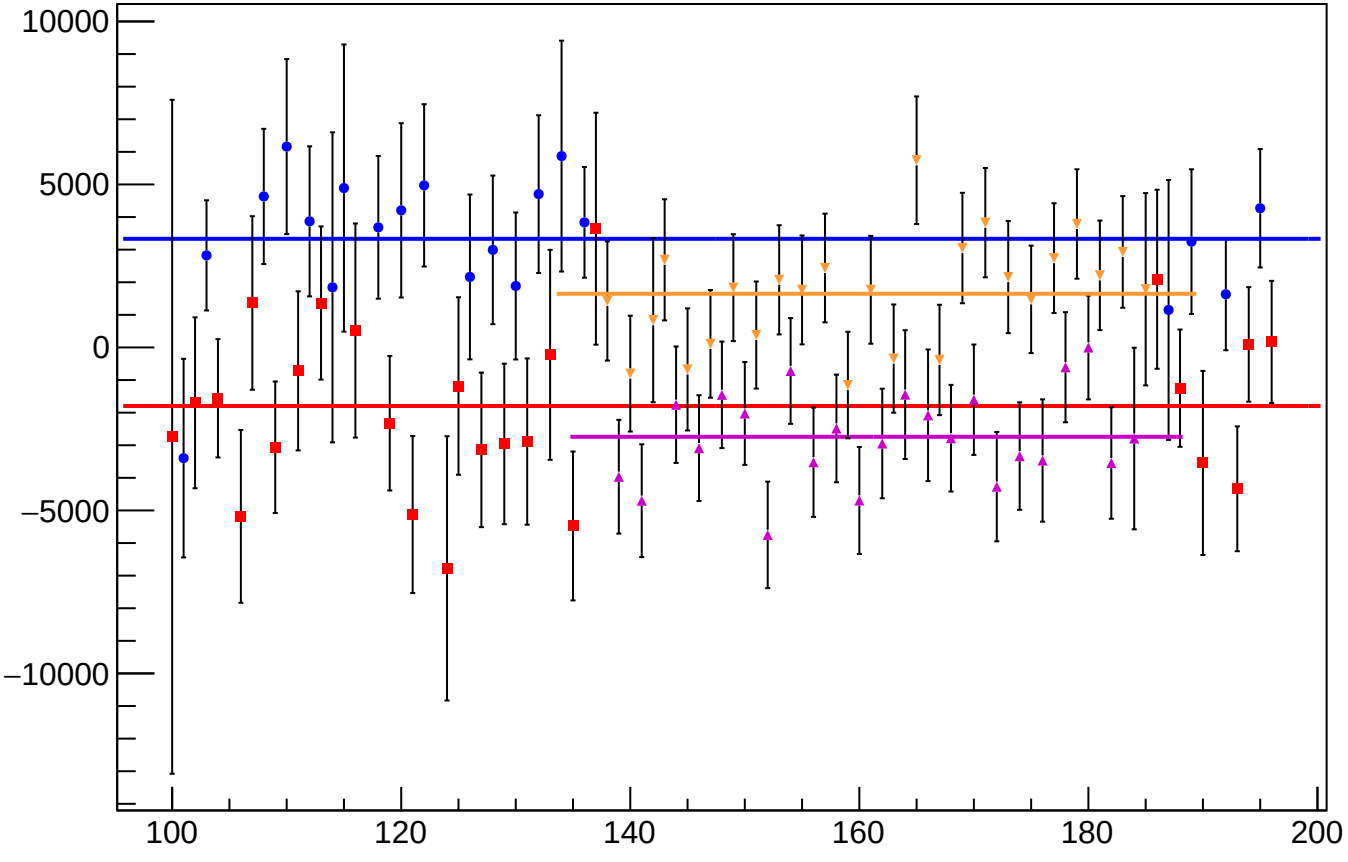
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5139.187+/-0.693 χ^2/NDF: 2777141.8/44

All: 5136.535+/-0.488 χ^2/NDF: 6405591.8/92

- sign 5133.929+/-0.687 χ^2/NDF: 3628421.0/47

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3332.711+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.915+/-479.781 χ^2/NDF: 21.9/24

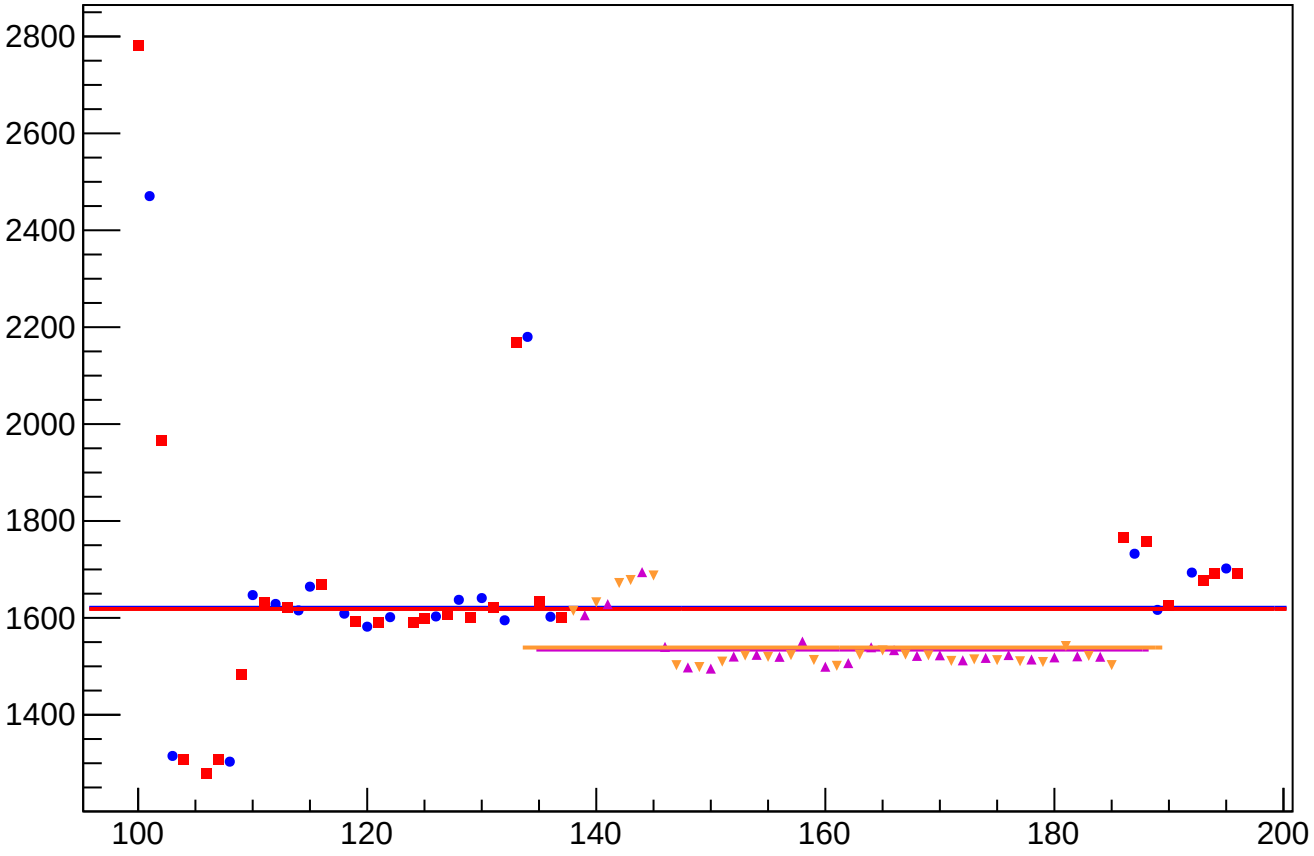
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.237+/-290.512 χ^2/NDF: 38.7/44

All: -143.056+/-204.228 χ^2/NDF: 204.8/92

- sign -2402.326+/-287.162 χ^2/NDF: 40.8/47

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1620.867+/-0.369 χ^2/NDF: 328755.8/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

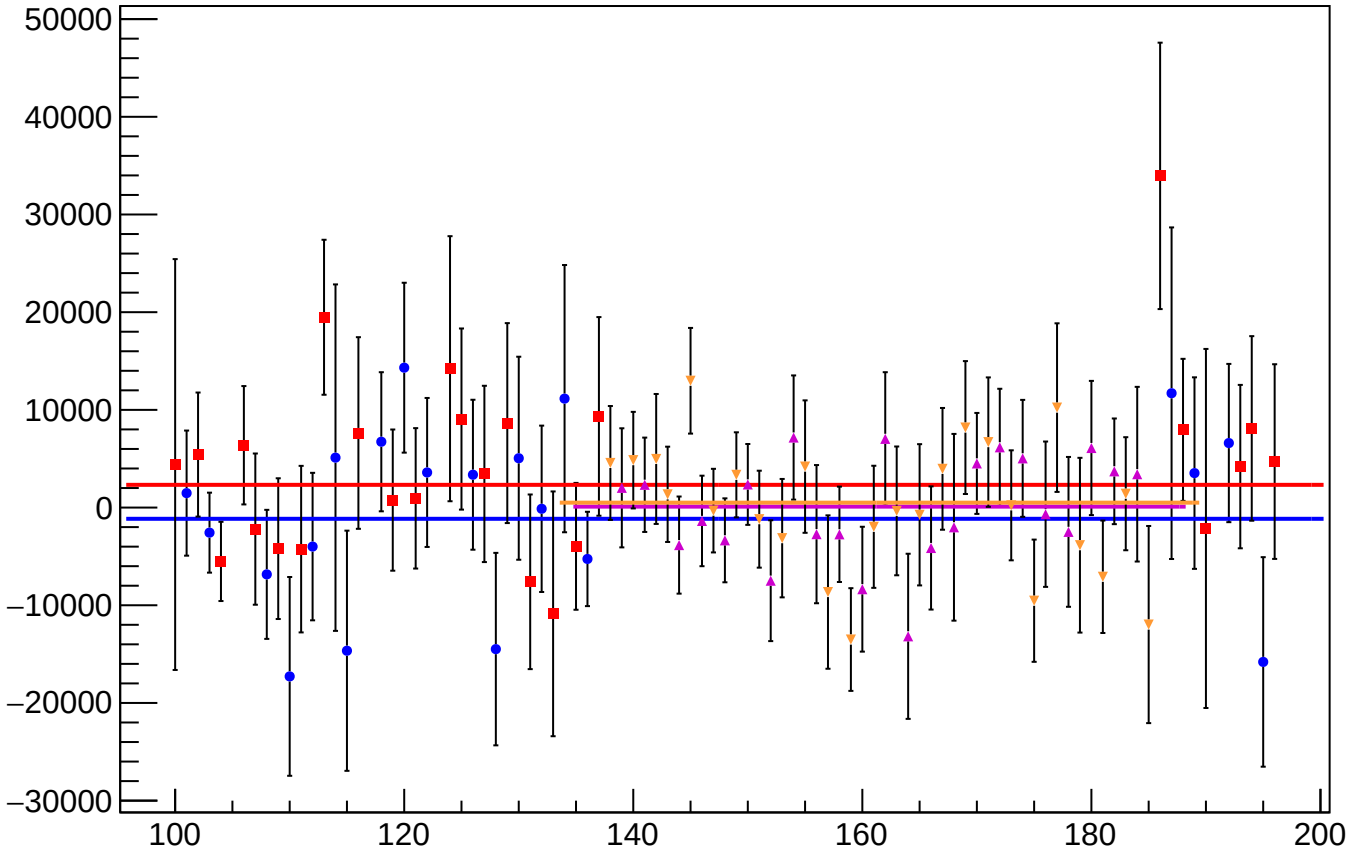
Right Out: 1618.415+/-0.338 χ^2/NDF: 280130.6/24

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409948.2/44

All: 1564.499+/-0.144 χ^2/NDF: 760492.2/92

- sign 1564.736+/-0.203 χ^2/NDF: 350541.2/47



Right In: -1150.017+/-1739.388 χ^2/NDF: 17.5/19

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

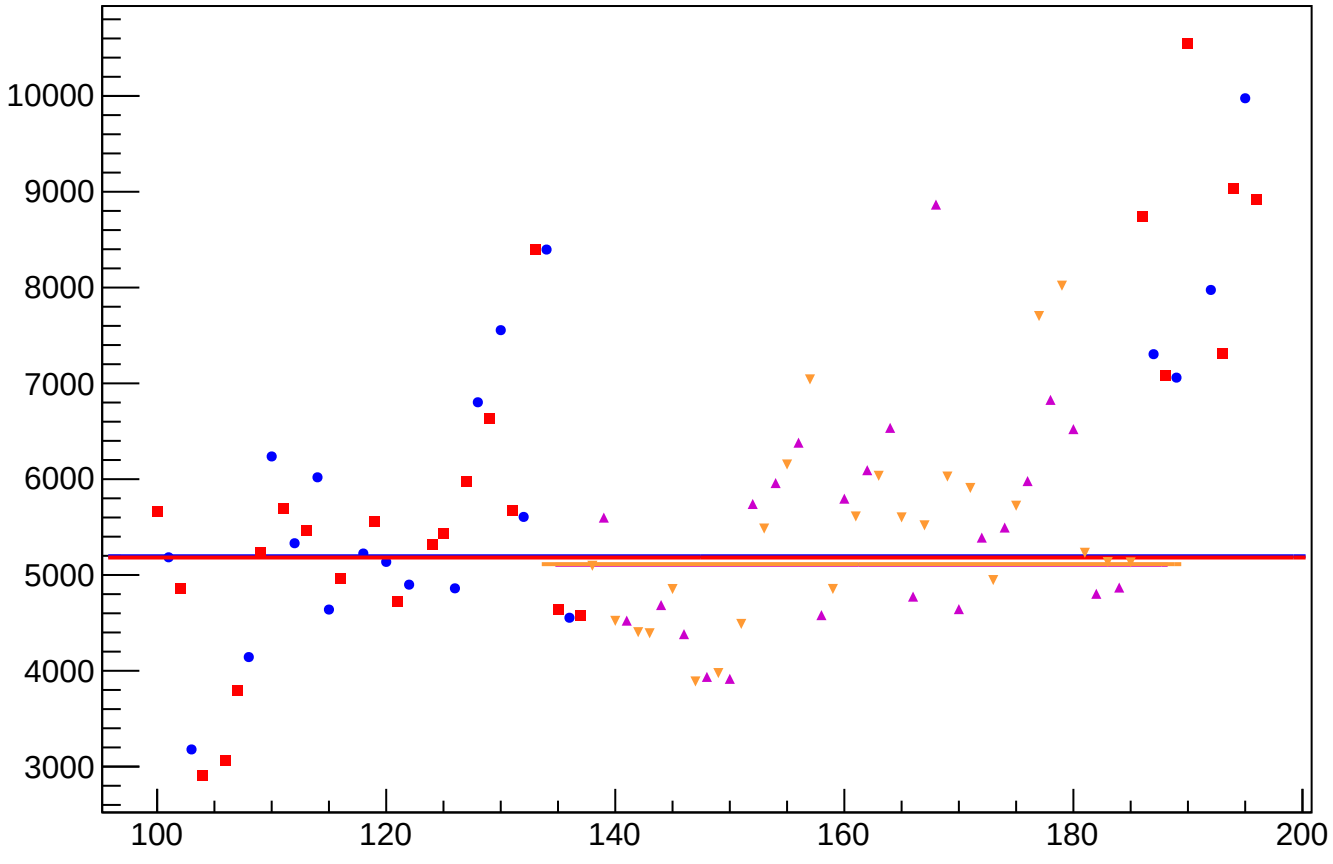
Right Out: 2326.518+/-1614.372 χ^2/NDF: 23.2/24

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.822+/-980.626 χ^2/NDF: 44.9/44

All: 446.135+/-690.372 χ^2/NDF: 84.7/92

- sign 905.987+/-972.097 χ^2/NDF: 39.3/47



Right In: 5195.504+/-1.230 χ^2/NDF: 1615045.0/19

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5182.352+/-1.142 χ^2/NDF: 2373975.2/24

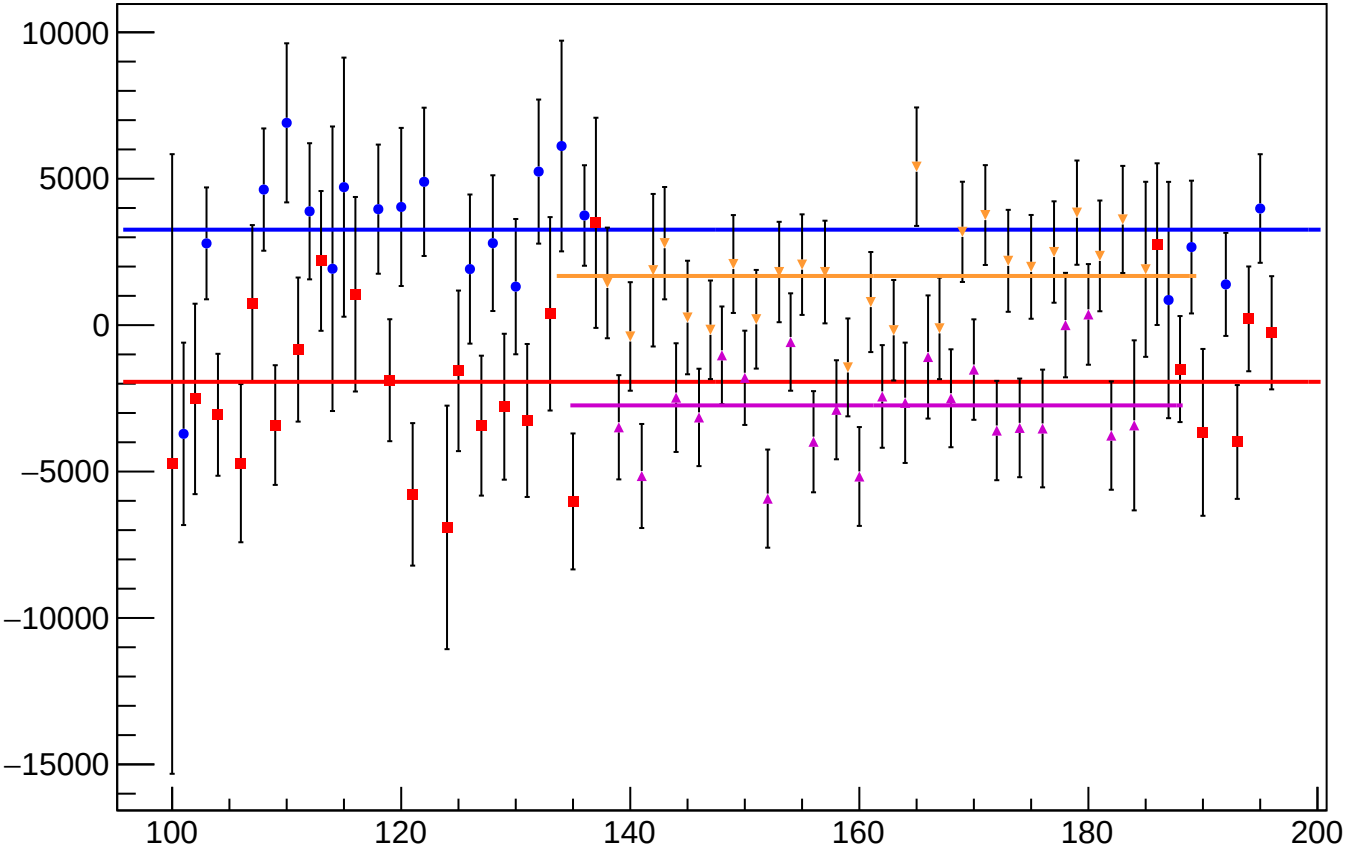
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5139.187+/-0.693 χ^2/NDF: 2777141.8/44

All: 5136.535+/-0.488 χ^2/NDF: 6405591.8/92

- sign 5133.929+/-0.687 χ^2/NDF: 3628421.0/47

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3259.984+/-534.615 χ^2/NDF: 12.3/19

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1935.914+/-493.023 χ^2/NDF: 24.2/24

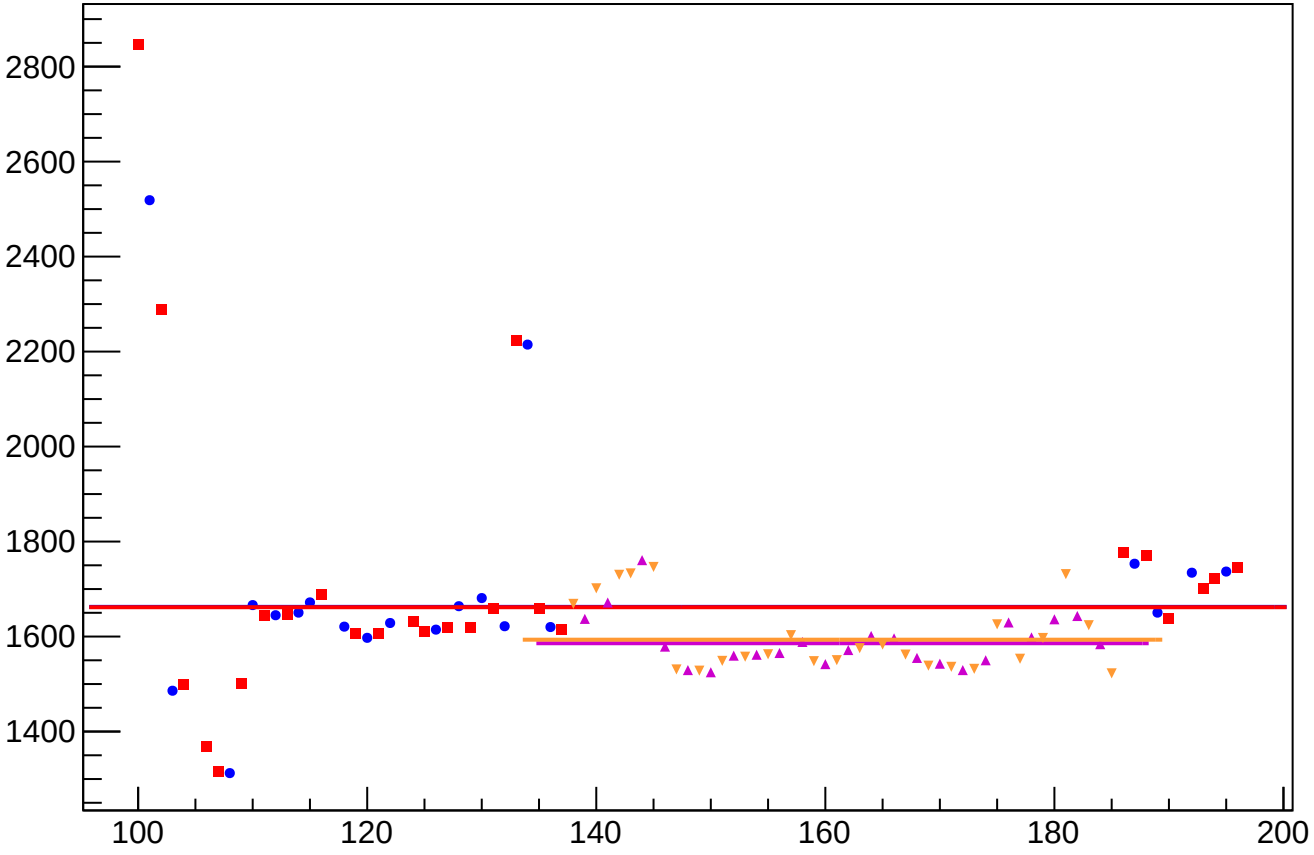
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2176.849+/-299.970 χ^2/NDF: 37.2/44

All: -165.564+/-210.780 χ^2/NDF: 202.7/92

- sign -2450.116+/-296.242 χ^2/NDF: 45.1/47

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1662.481+/-0.378 χ^2/NDF: 284204.0/19

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1661.759+/-0.348 χ^2/NDF: 261948.1/24

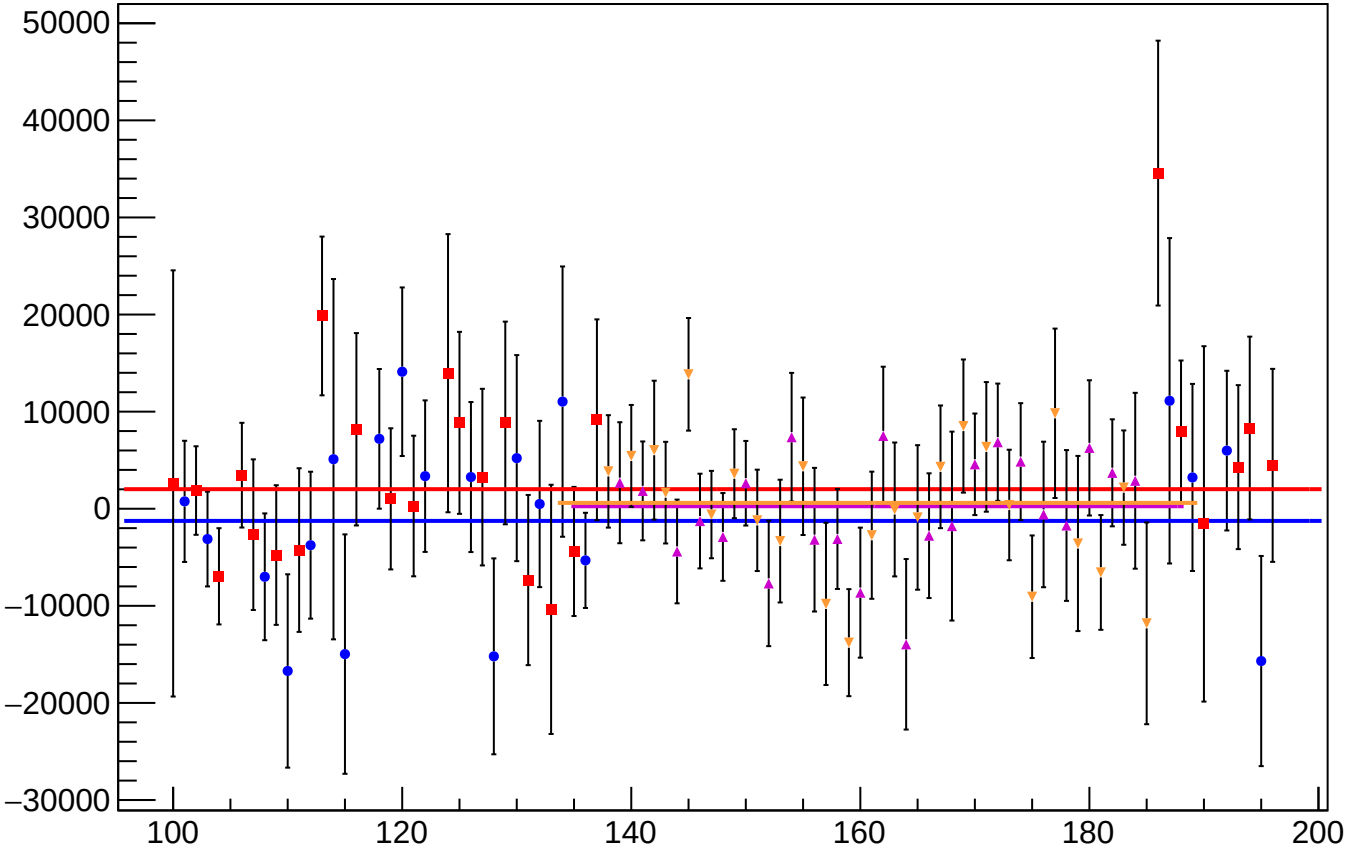
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

\+ sign 1615.140+/-0.212 χ^2/NDF: 378969.0/44

All: 1614.219+/-0.149 χ^2/NDF: 713131.9/92

\- sign 1613.320+/-0.209 χ^2/NDF: 334125.6/47

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1253.254+/-1794.058 χ^2/NDF: 17.2/19

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2015.141+/-1602.279 χ^2/NDF: 22.5/24

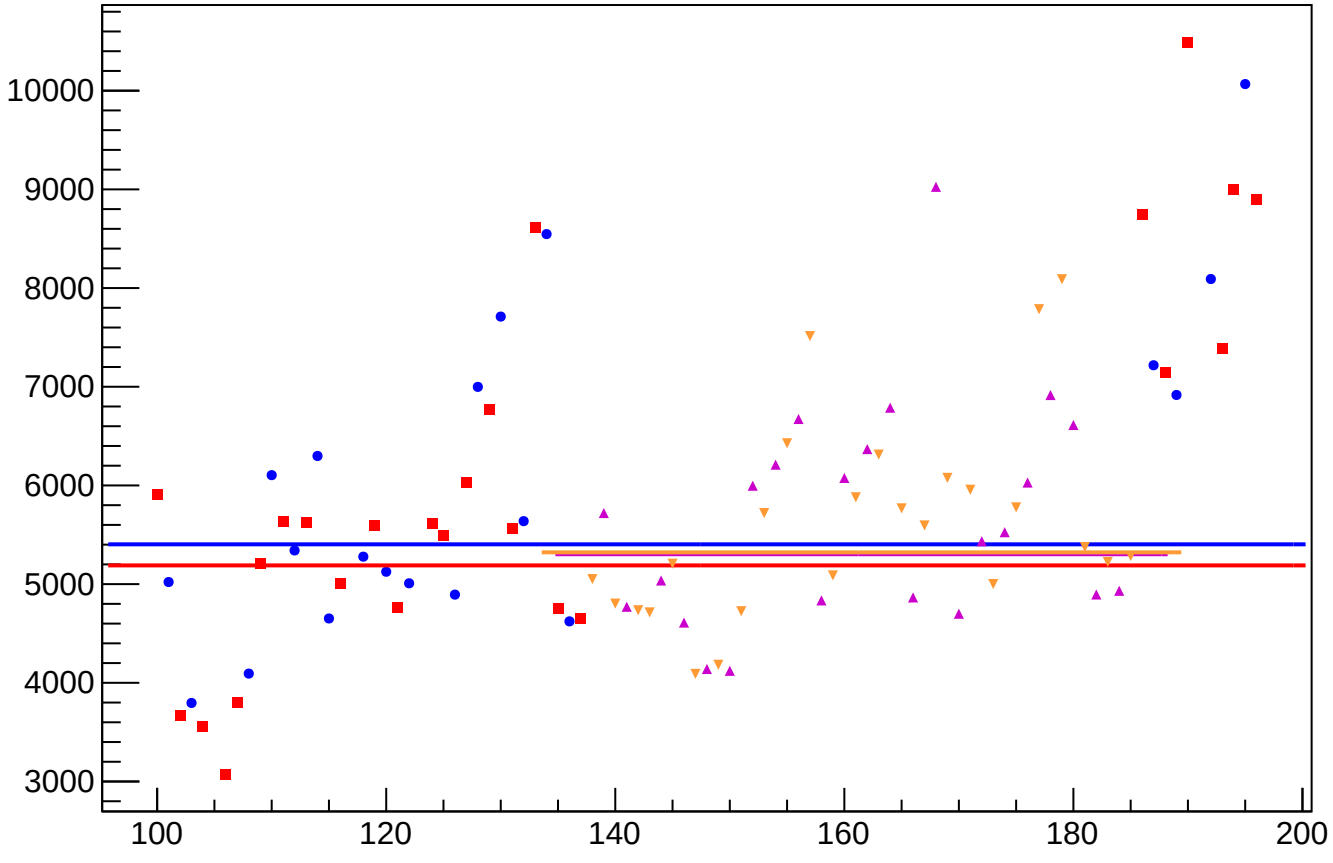
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 6.331+/-1016.466 χ^2/NDF: 44.0/44

All: 479.467+/-709.834 χ^2/NDF: 82.3/92

- sign 929.832+/-991.706 χ^2/NDF: 37.9/47

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5403.296+/-1.269 χ^2/NDF: 1300158.6/19

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5189.702+/-1.133 χ^2/NDF: 2255270.2/24

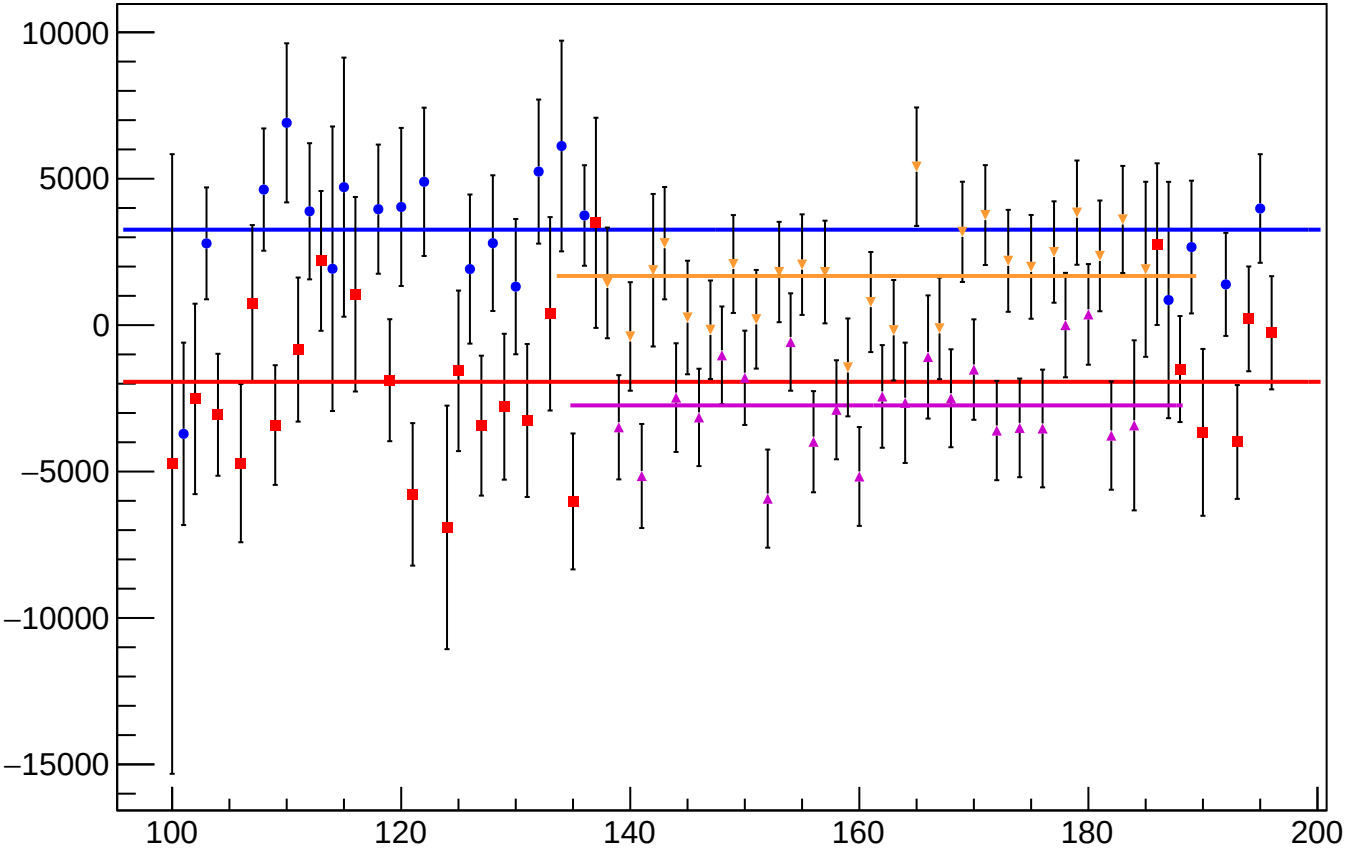
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5348.066+/-0.719 χ^2/NDF: 2339959.3/44

All: 5302.694+/-0.502 χ^2/NDF: 5761536.7/92

- sign 5259.505+/-0.701 χ^2/NDF: 3413799.2/47

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3259.983+/-534.615 χ^2/NDF: 12.3/19

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1935.916+/-493.023 χ^2/NDF: 24.2/24

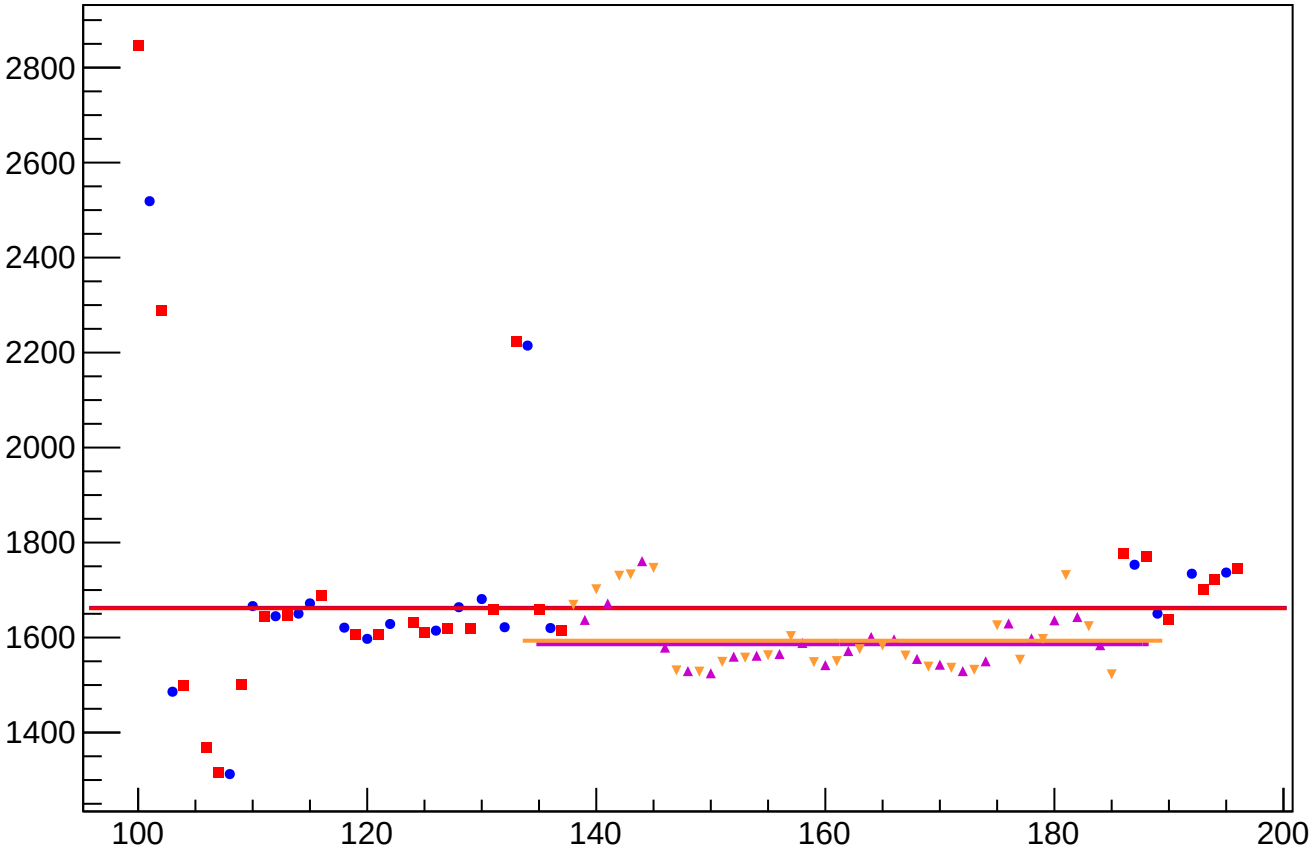
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2176.845+/-299.970 χ^2/NDF: 37.2/44

All: -165.567+/-210.780 χ^2/NDF: 202.7/92

- sign -2450.117+/-296.242 χ^2/NDF: 45.1/47

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1662.480+/-0.378 χ^2/NDF: 284204.2/19

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

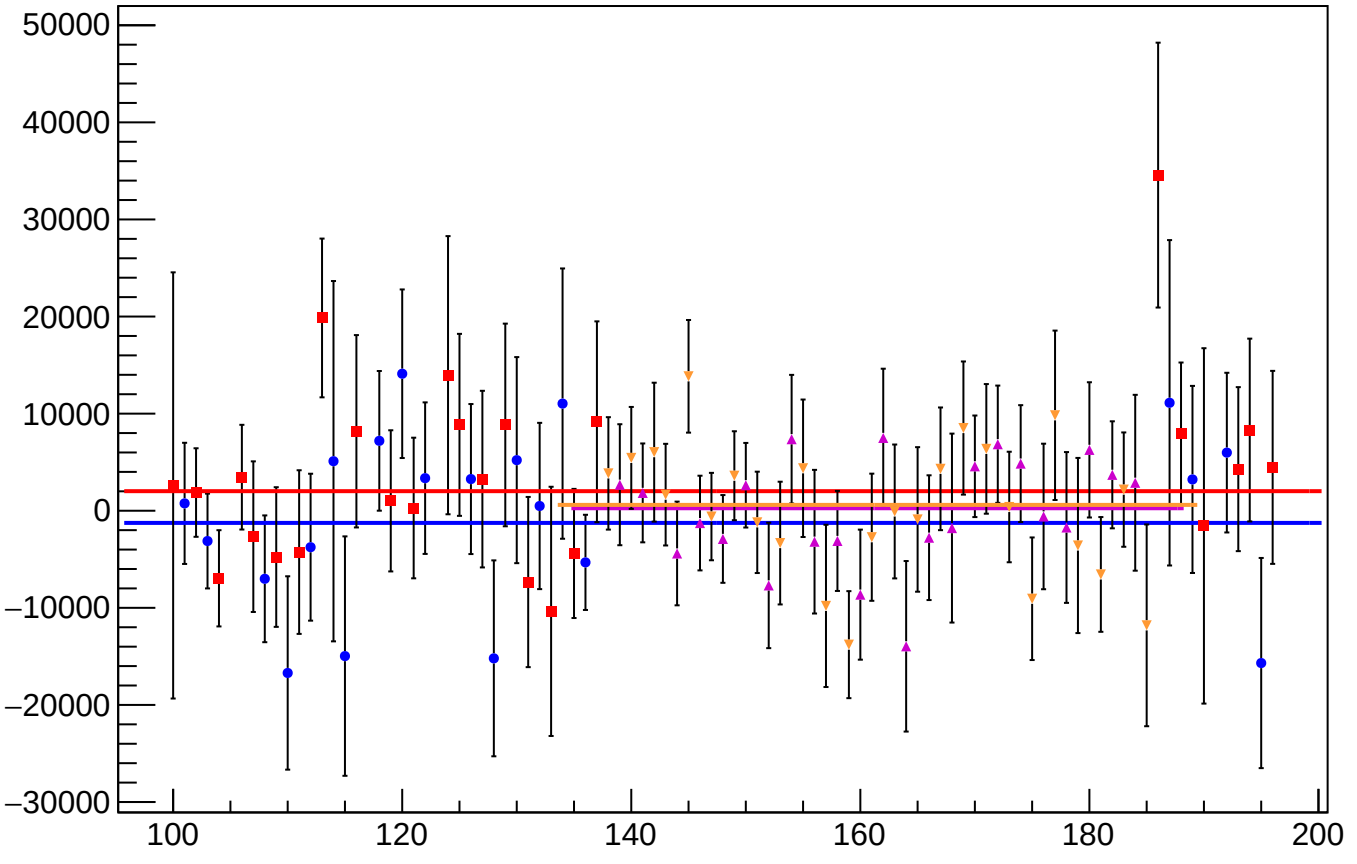
Right Out: 1661.759+/-0.348 χ^2/NDF: 261947.9/24

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1615.140+/-0.212 χ^2/NDF: 378968.1/44

All: 1614.219+/-0.149 χ^2/NDF: 713129.6/92

\- sign 1613.321+/-0.209 χ^2/NDF: 334124.2/47



Right In: -1253.239+/-1794.056 χ^2/NDF: 17.2/19

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

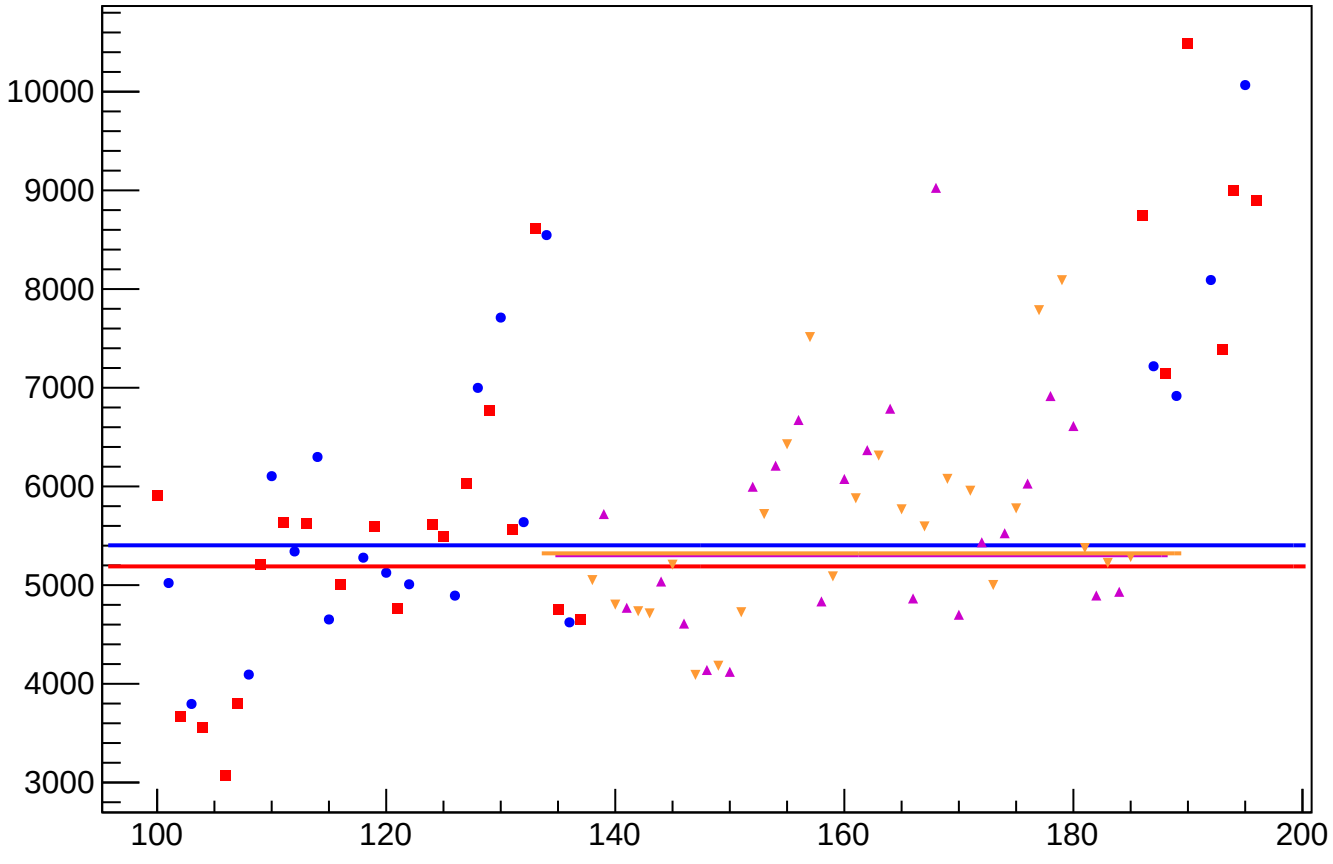
Right Out: 2015.137+/-1602.277 χ^2/NDF: 22.5/24

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 6.331+/-1016.467 χ^2/NDF: 44.0/44

All: 479.468+/-709.834 χ^2/NDF: 82.3/92

- sign 929.835+/-991.706 χ^2/NDF: 37.9/47



Right In: 5403.290+/-1.269 χ^2/NDF: 1300157.6/19

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5189.695+/-1.133 χ^2/NDF: 2255269.8/24

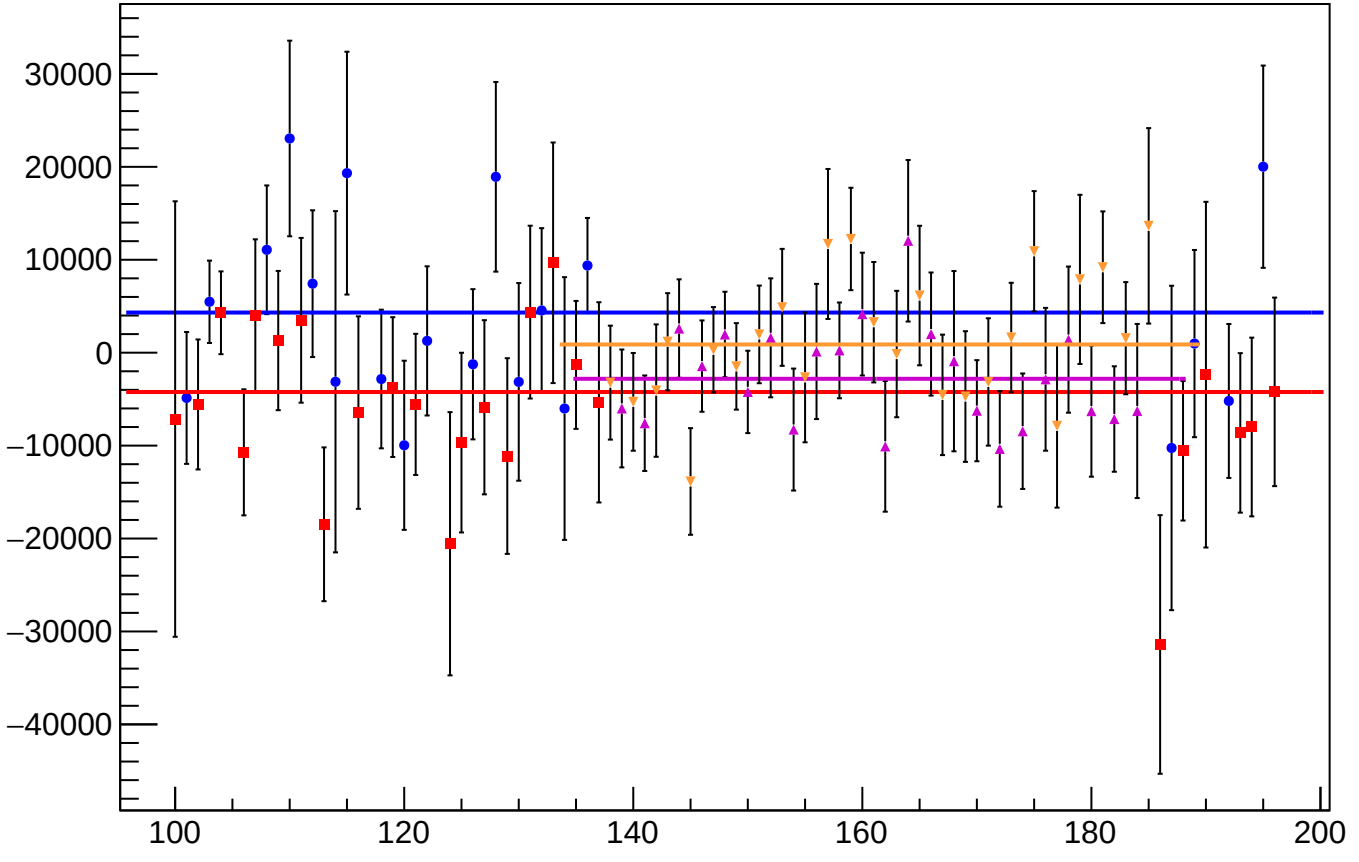
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5348.071+/-0.719 χ^2/NDF: 2339959.4/44

All: 5302.697+/-0.502 χ^2/NDF: 5761542.4/92

- sign 5259.508+/-0.701 χ^2/NDF: 3413804.4/47

asym_usr_atr2_avg_mean vs Slug



Right In: 4319.747+/-1835.361 χ^2/NDF: 19.8/19

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4232.311+/-1709.977 χ^2/NDF: 19.2/24

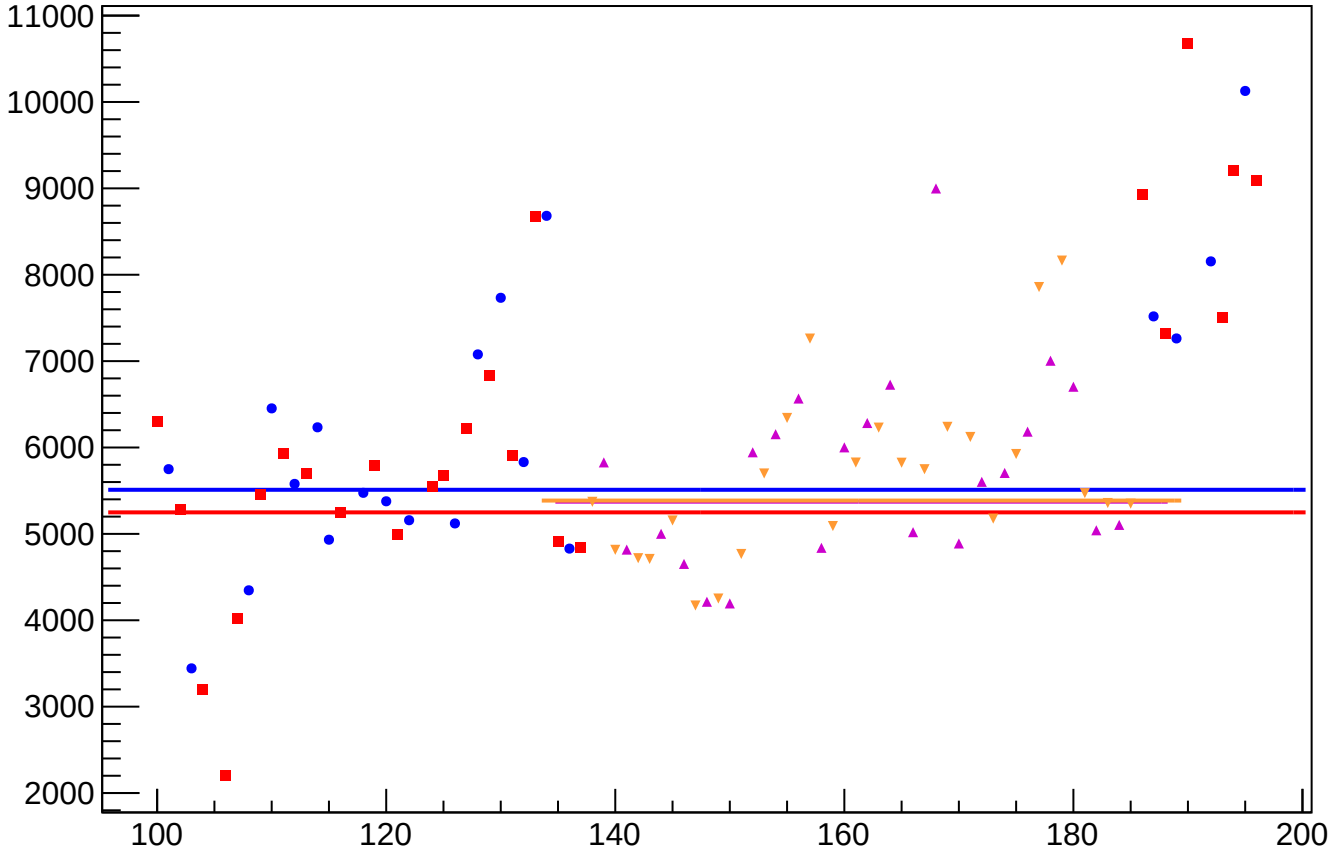
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

\+ sign 1969.531+/-1031.167 χ^2/NDF: 47.8/44

All: -695.416+/-726.344 χ^2/NDF: 95.5/92

\- sign -3319.793+/-1023.288 χ^2/NDF: 34.4/47

asym_usr_atr2_avg_rms vs Slug



Right In: 5510.505+/-1.298 χ^2/NDF: 1449984.5/19

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

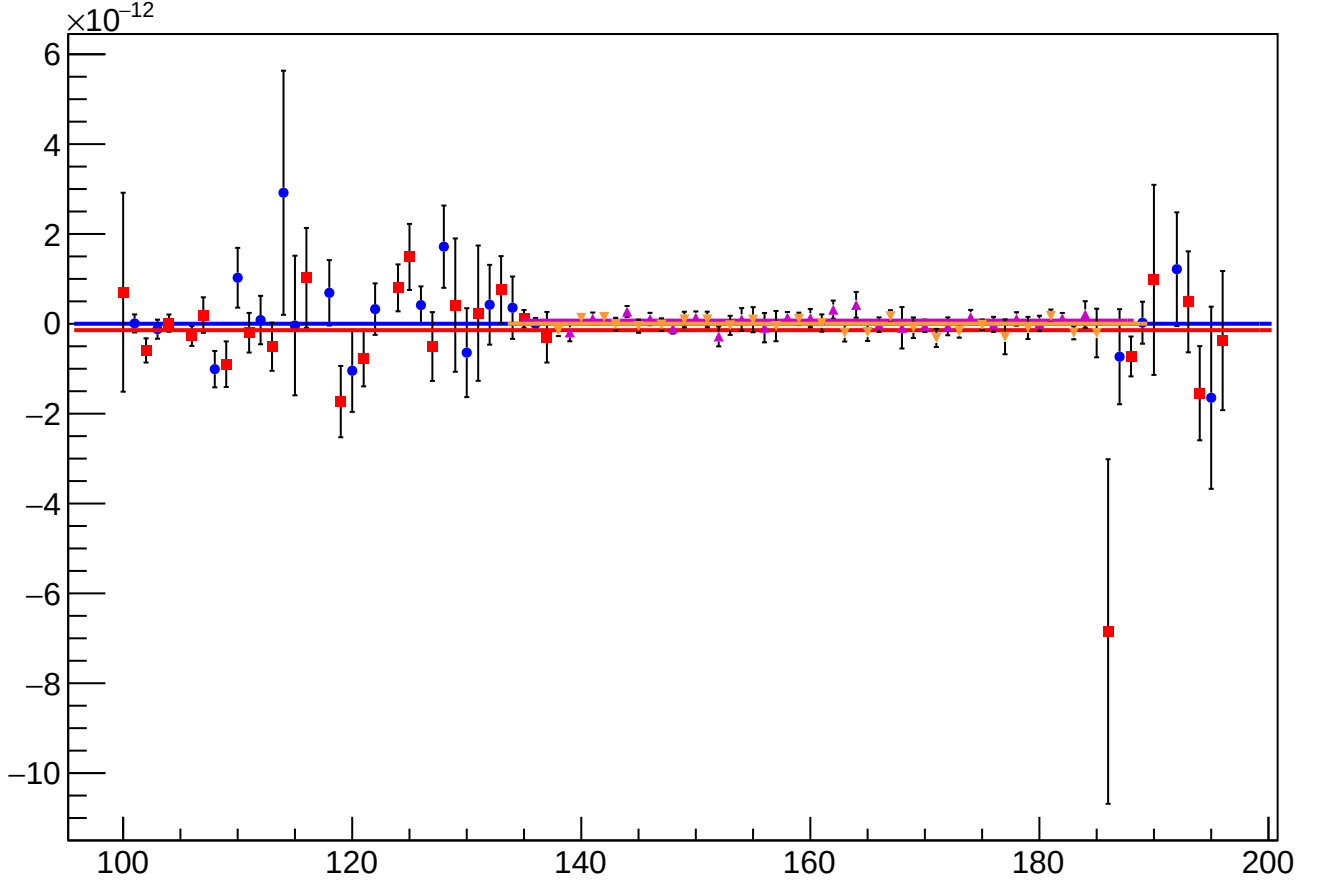
Right Out: 5249.034+/-1.171 χ^2/NDF: 2787755.7/24

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5425.064+/-0.729 χ^2/NDF: 2443407.4/44

All: 5374.900+/-0.511 χ^2/NDF: 6319284.8/92

- sign 5326.658+/-0.715 χ^2/NDF: 3866592.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

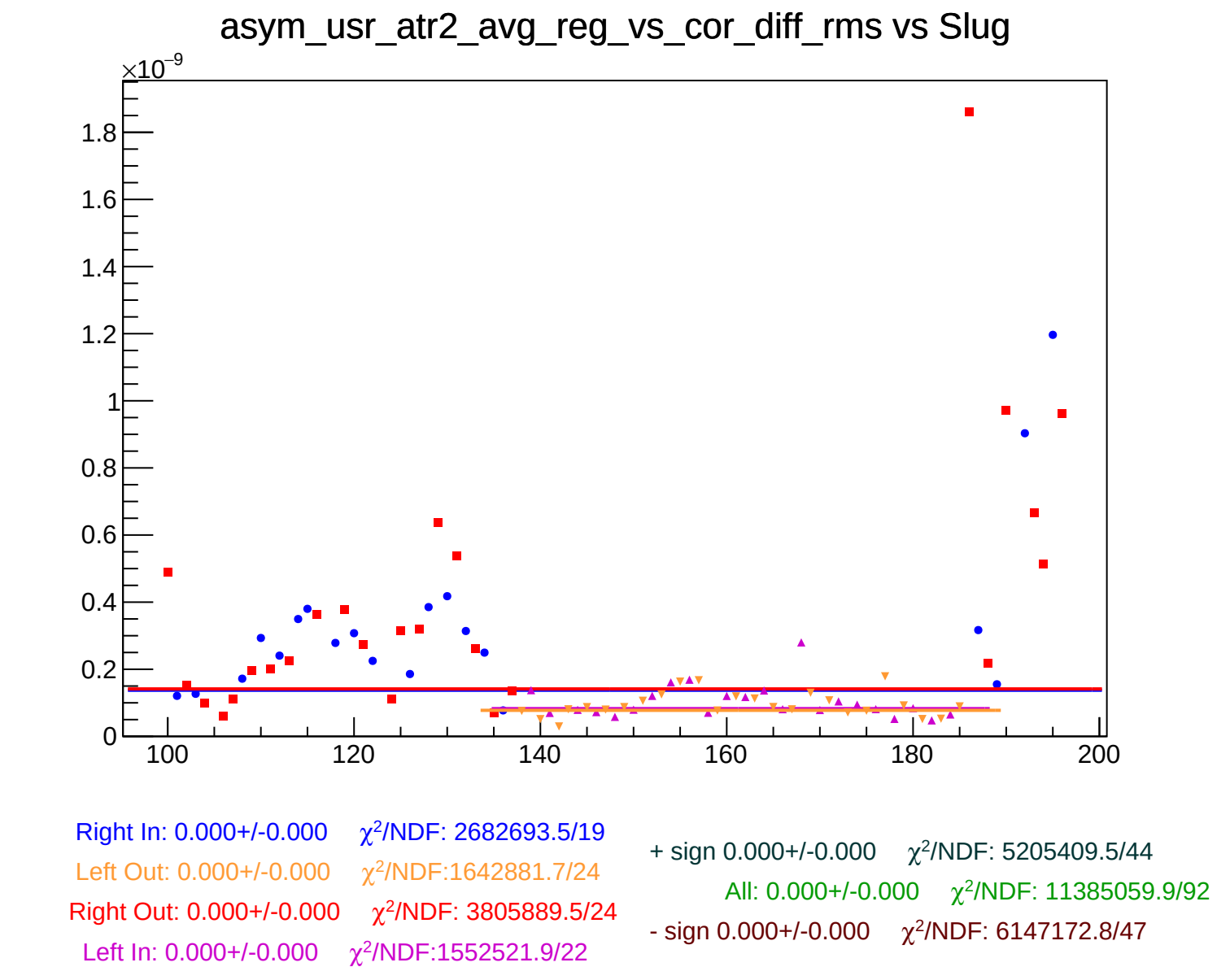
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/24

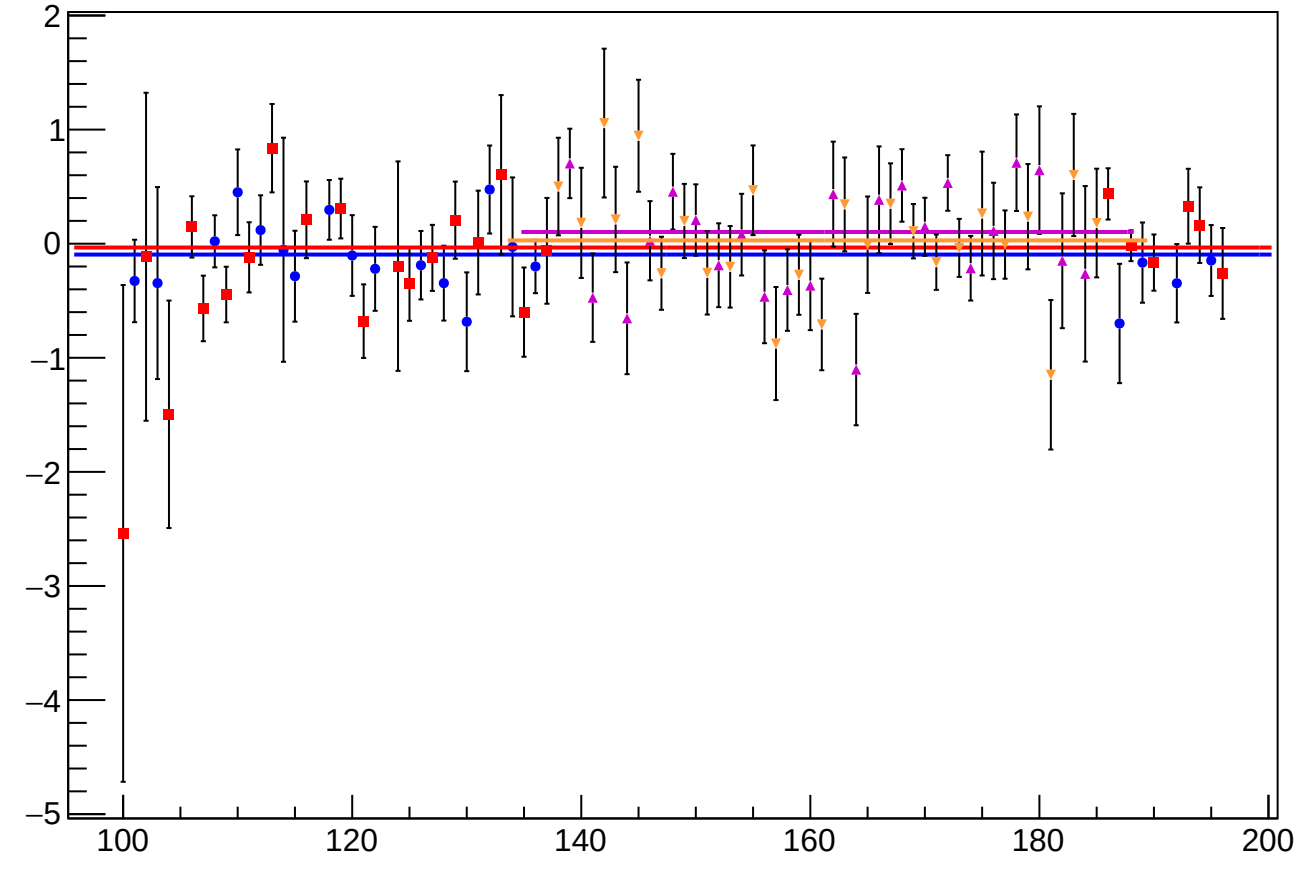
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 38.4/44

All: 0.000+/-0.000 χ^2/NDF: 92.8/92

\- 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: 2682693.5/19
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: 5205409.5/44
All: 0.000+/-0.000 χ²/NDF: 11385059.9/92
- sign 0.000+/-0.000 χ²/NDF: 6147172.8/47



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

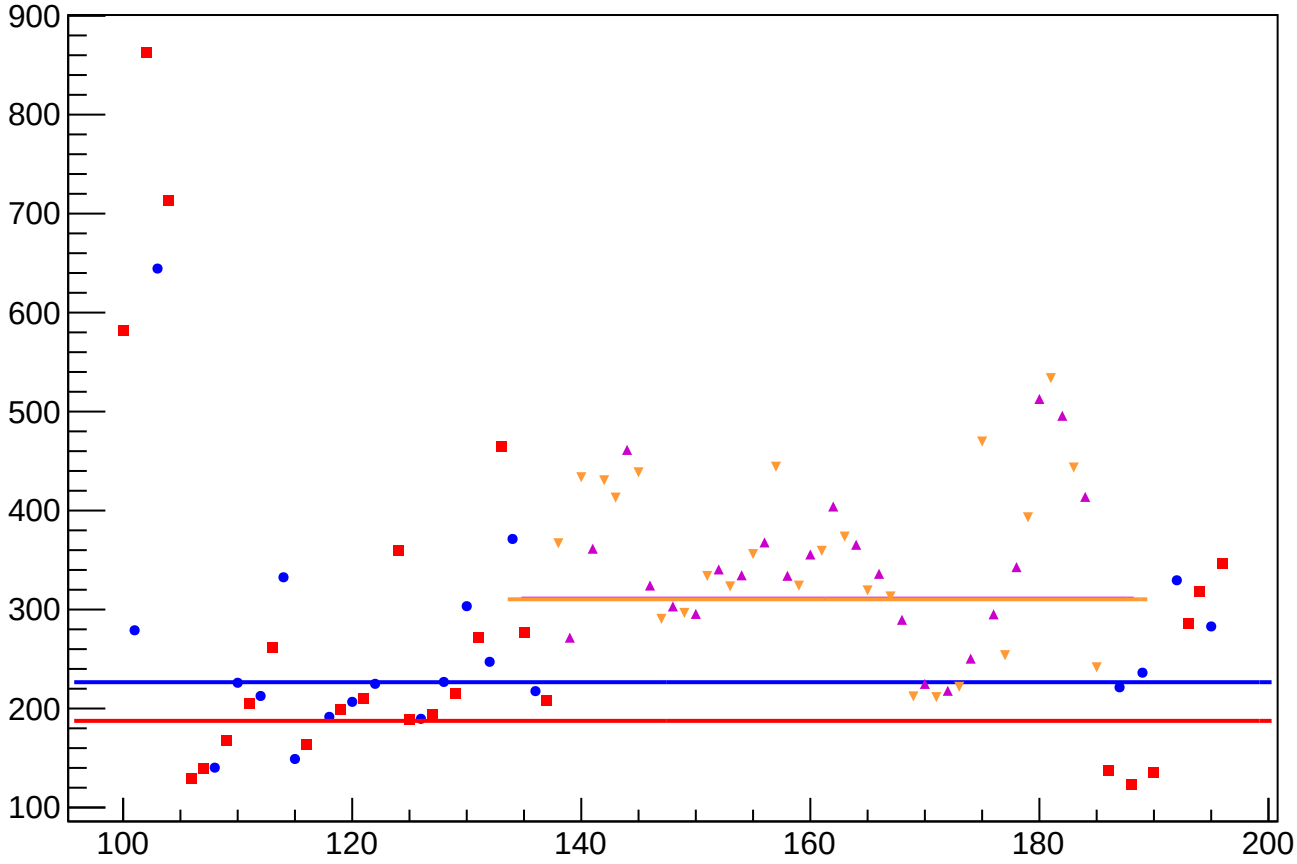
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.002+/-0.036 χ^2/NDF: 106.9/92

\- sign 0.021+/-0.048 χ^2/NDF: 66.9/47

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 226.590+/-0.055 χ^2/NDF: 1429537.9/19

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

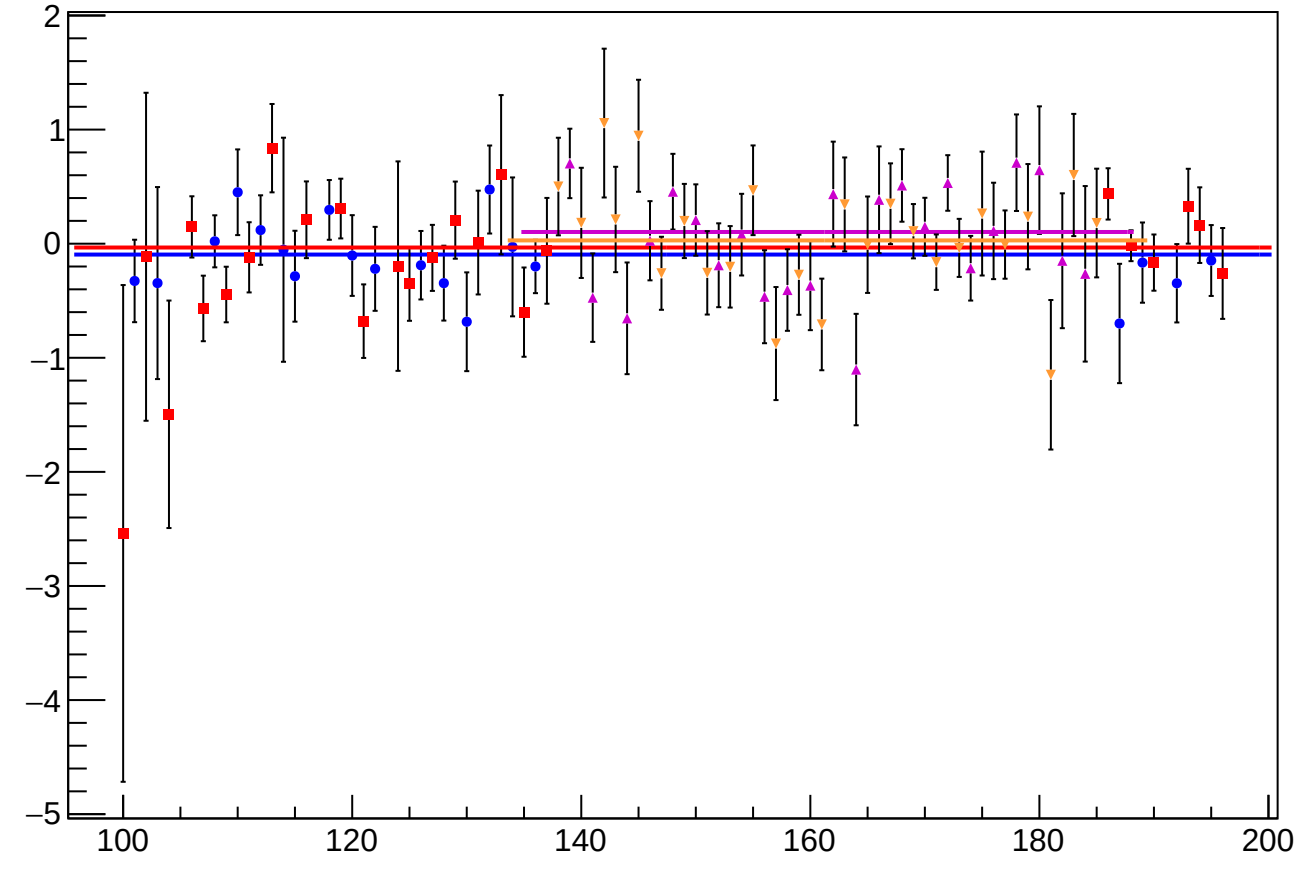
Right Out: 187.535+/-0.044 χ^2/NDF: 3359461.9/24

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008139.7/44

All: 251.474+/-0.025 χ^2/NDF: 13546909.5/92

- sign 236.672+/-0.034 χ^2/NDF: 8113683.3/47



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

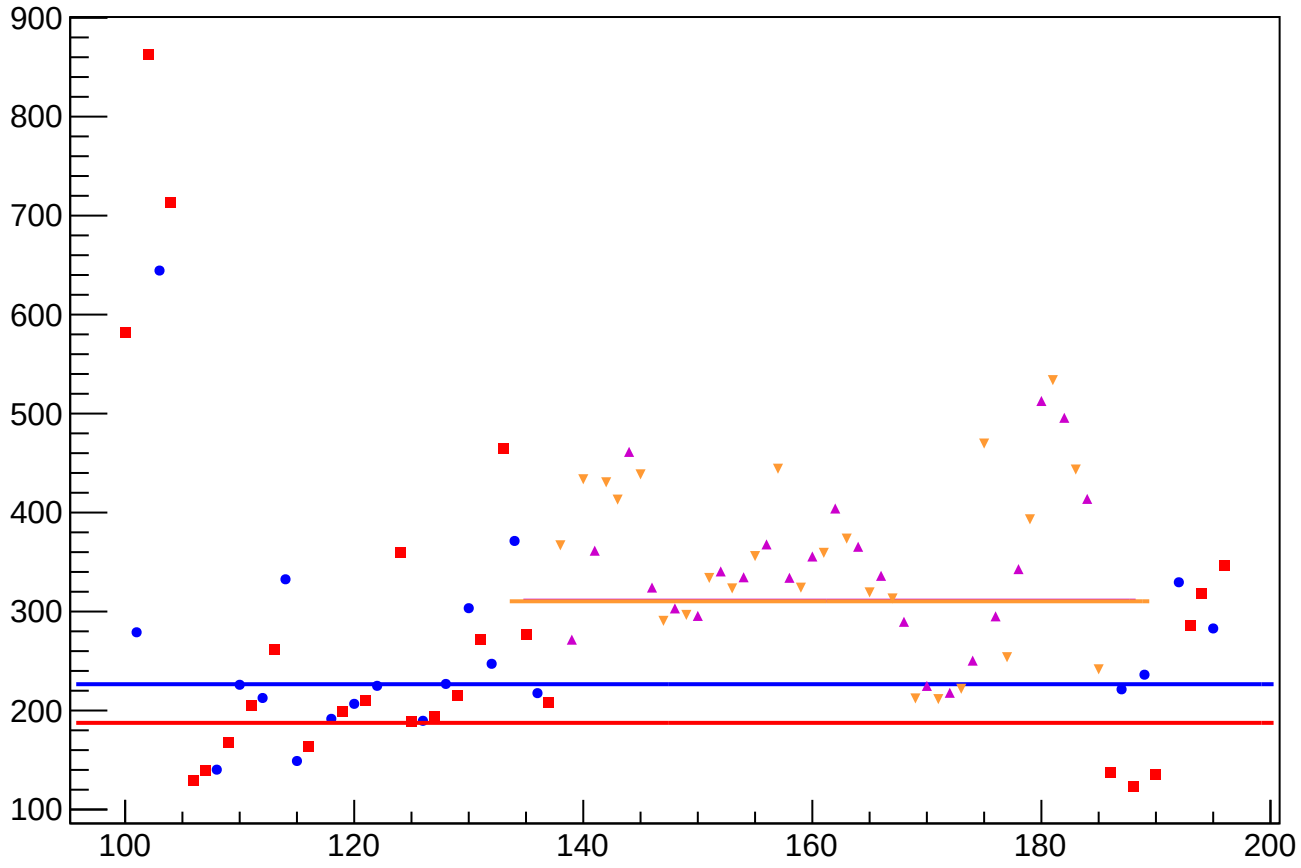
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.002+/-0.036 χ^2/NDF: 106.9/92

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 226.590+/-0.055 χ^2/NDF: 1429537.9/19

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

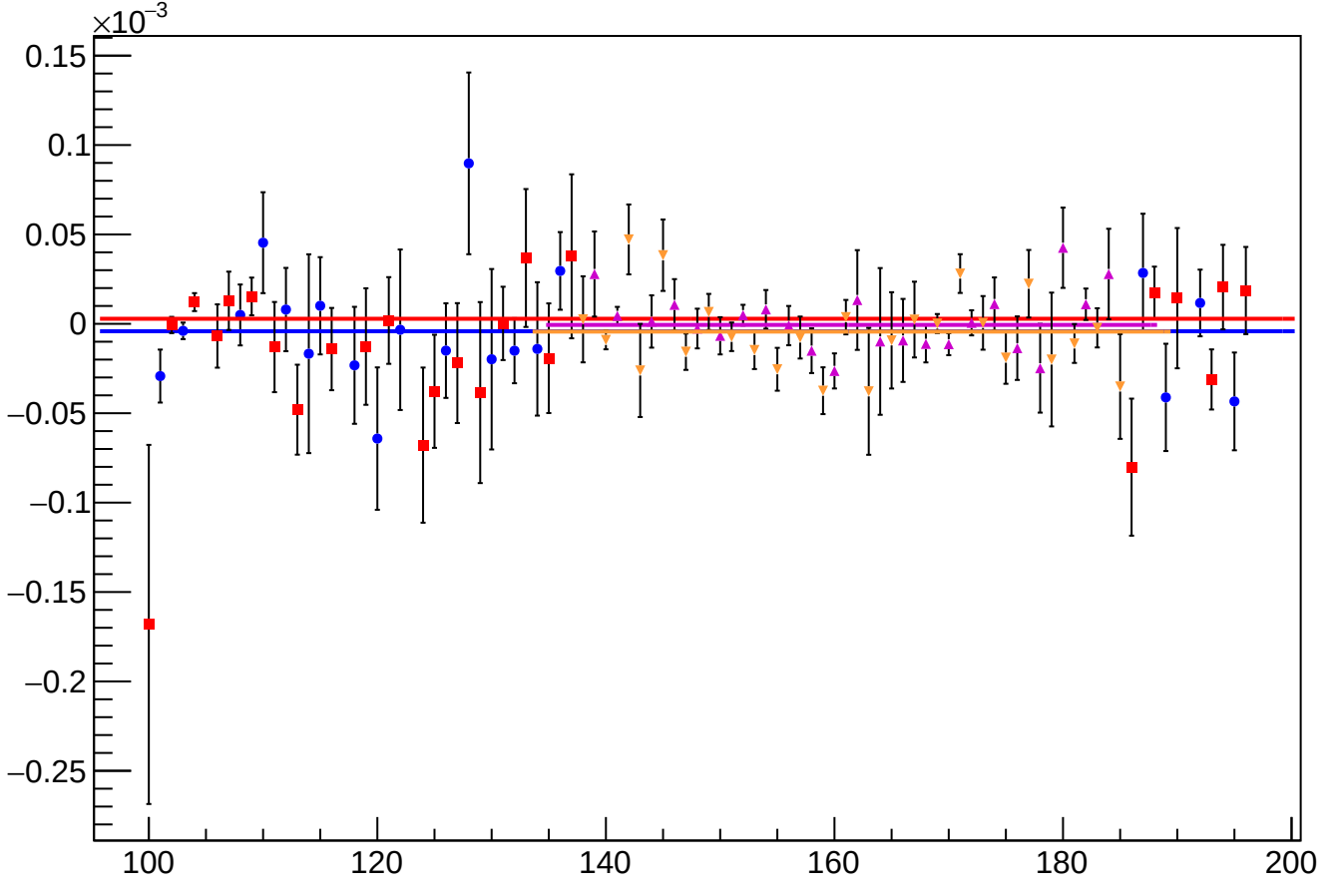
Right Out: 187.535+/-0.044 χ^2/NDF: 3359461.9/24

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008139.7/44

All: 251.474+/-0.025 χ^2/NDF: 13546909.5/92

- sign 236.672+/-0.034 χ^2/NDF: 8113683.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

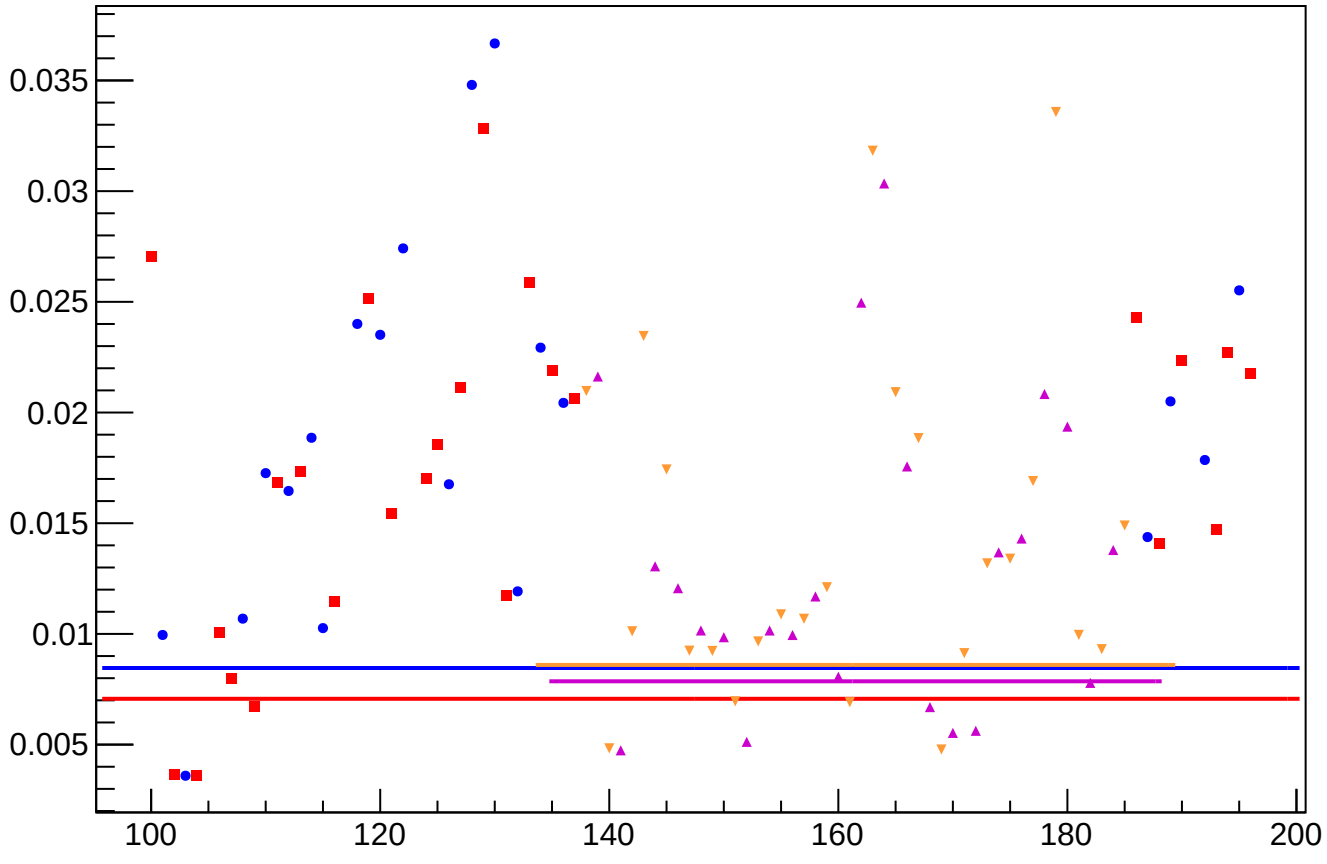
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/24

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.5/44

All: -0.000+/-0.000 χ^2/NDF: 127.3/92

- sign 0.000+/-0.000 χ^2/NDF: 60.0/47



Right In: 0.008+/-0.000 χ^2/NDF: 7883248.7/19

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

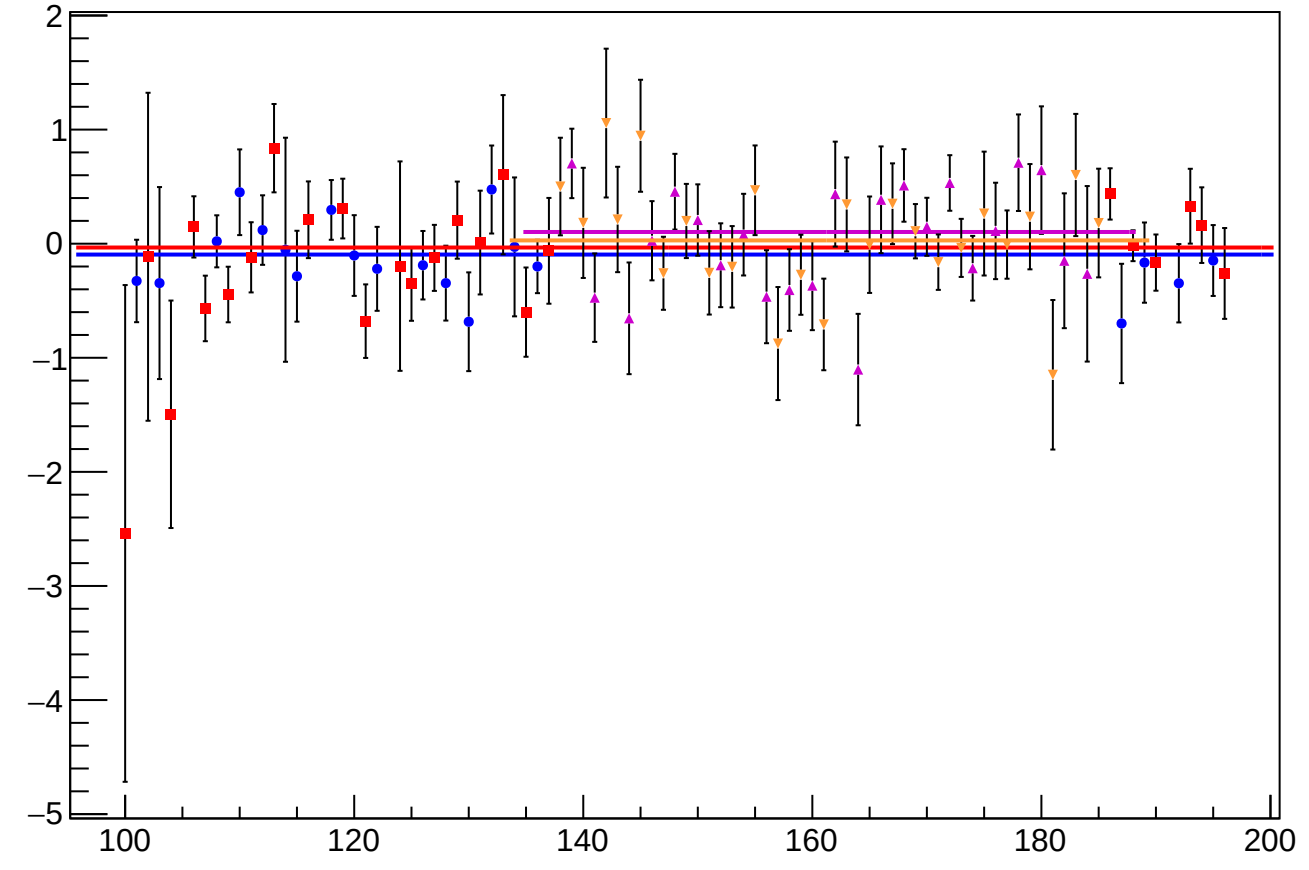
Right Out: 0.007+/-0.000 χ^2/NDF: 9408894.9/24

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 15538937.3/44

All: 0.008+/-0.000 χ^2/NDF: 32137359.7/92

- sign 0.008+/-0.000 χ^2/NDF: 16291323.6/47



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

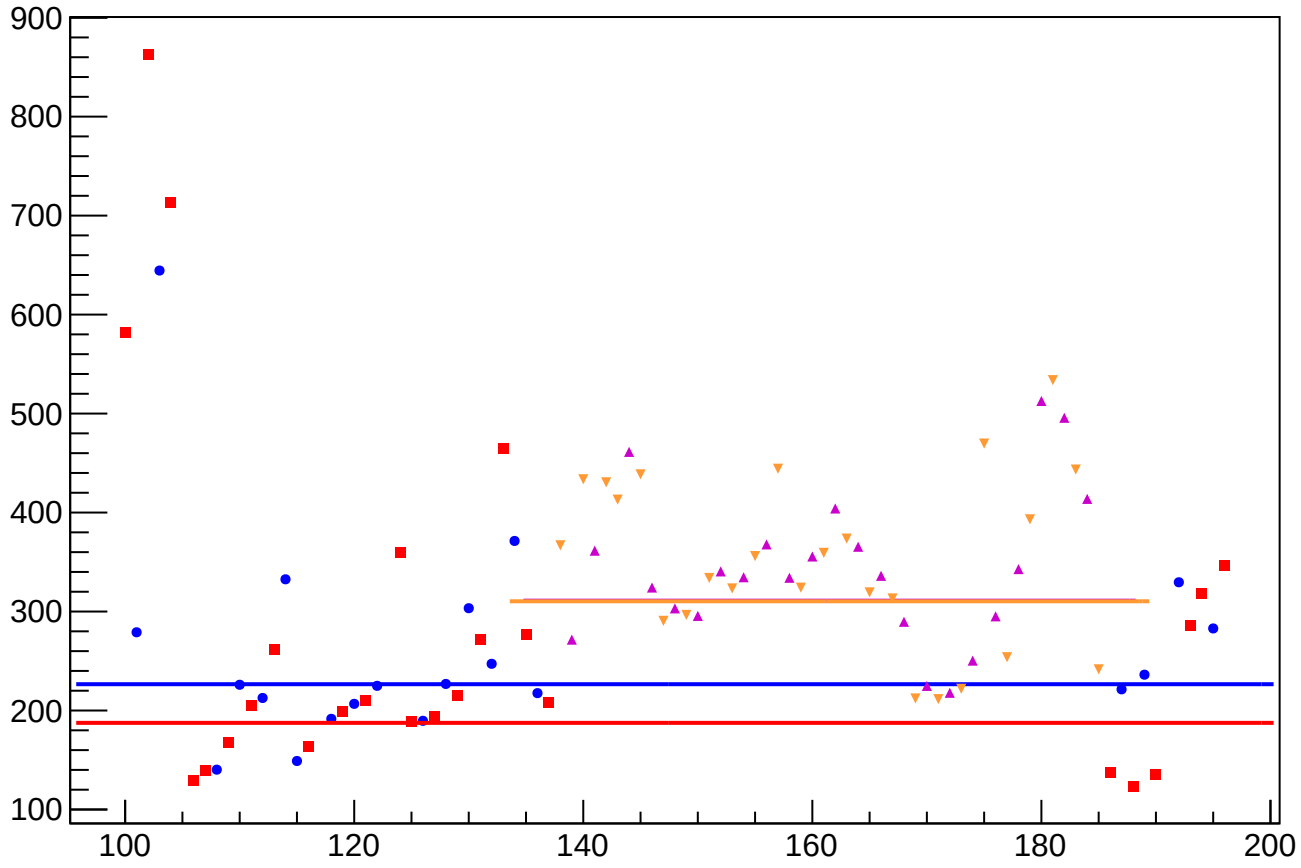
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.002+/-0.036 χ^2/NDF: 106.9/92

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

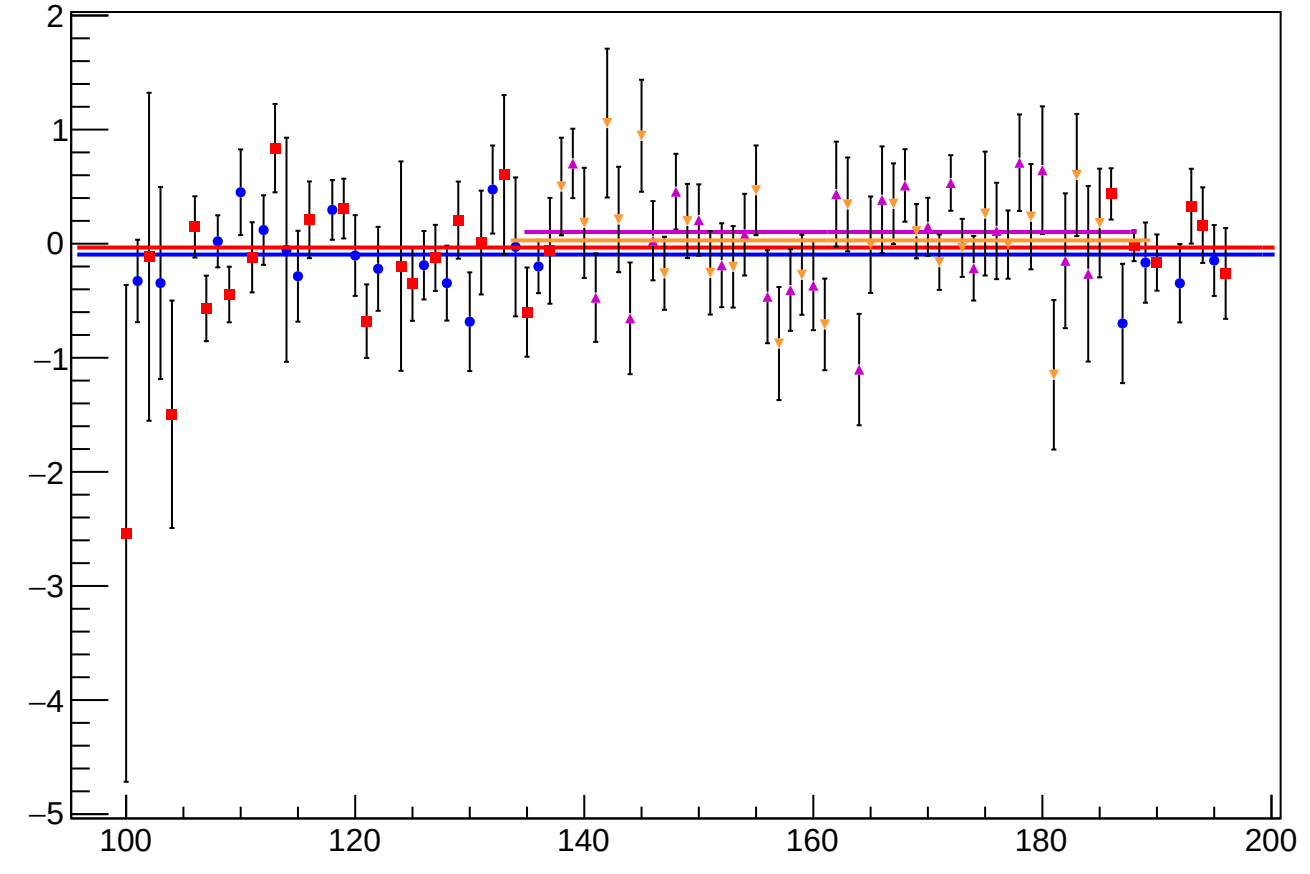
Right Out: 187.532+/-0.044 χ^2/NDF: 3359549.2/24

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008294.5/44

All: 251.473+/-0.025 χ^2/NDF: 13547544.3/92

- sign 236.670+/-0.034 χ^2/NDF: 8114107.5/47



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

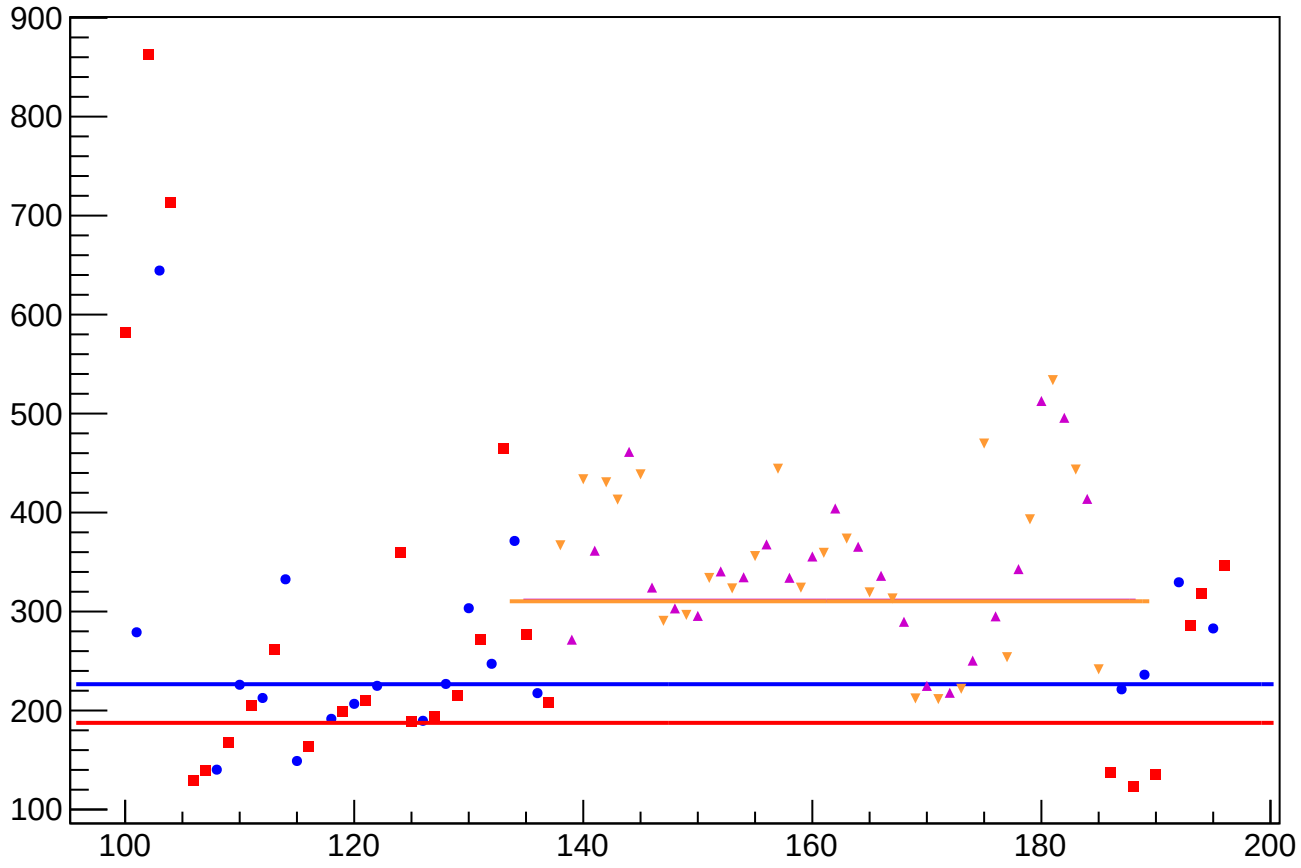
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.002+/-0.036 χ^2/NDF: 106.9/92

\- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

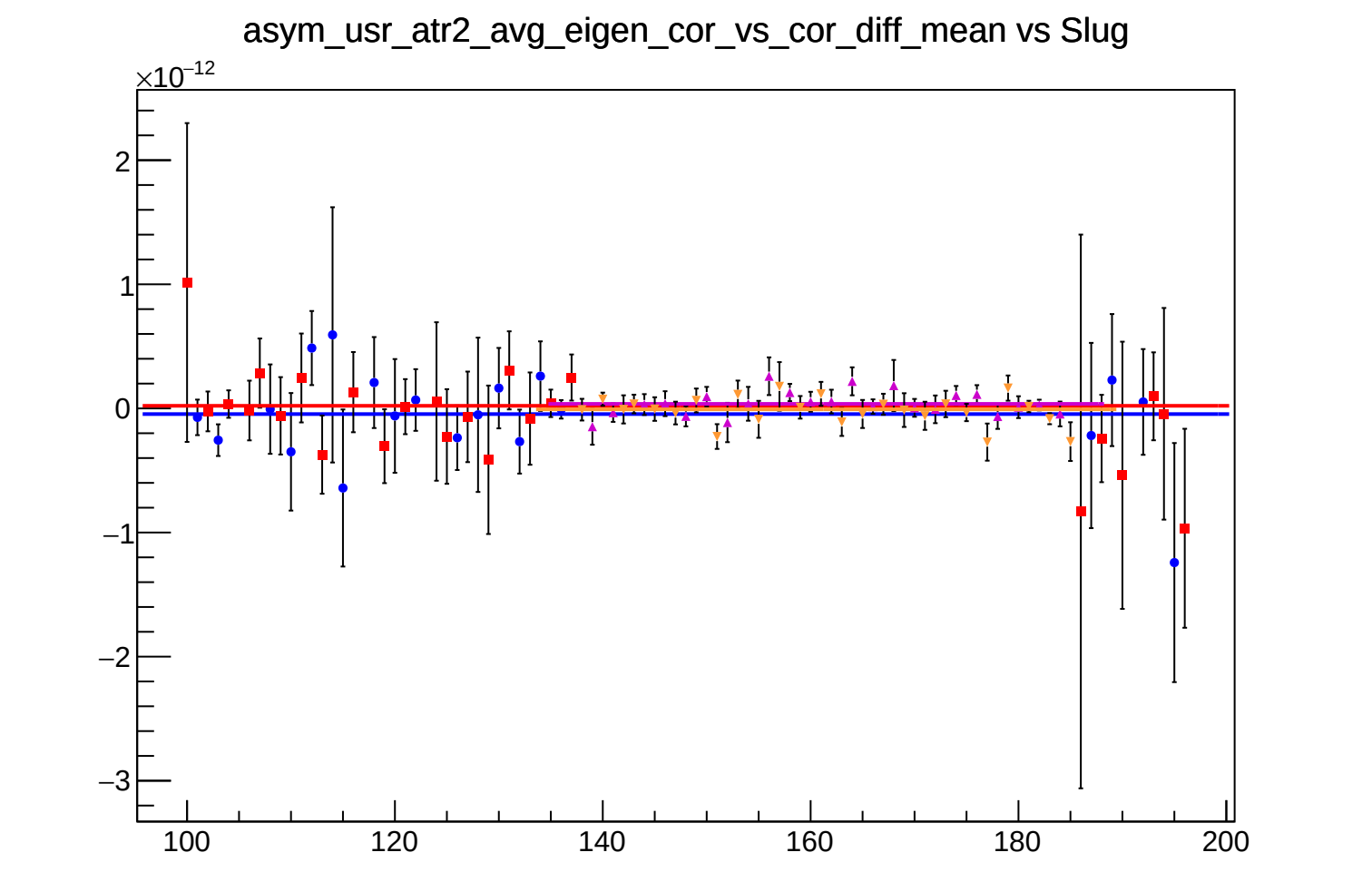
Right Out: 187.532+/-0.044 χ^2/NDF: 3359549.2/24

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008294.5/44

All: 251.473+/-0.025 χ^2/NDF: 13547544.3/92

- sign 236.670+/-0.034 χ^2/NDF: 8114107.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

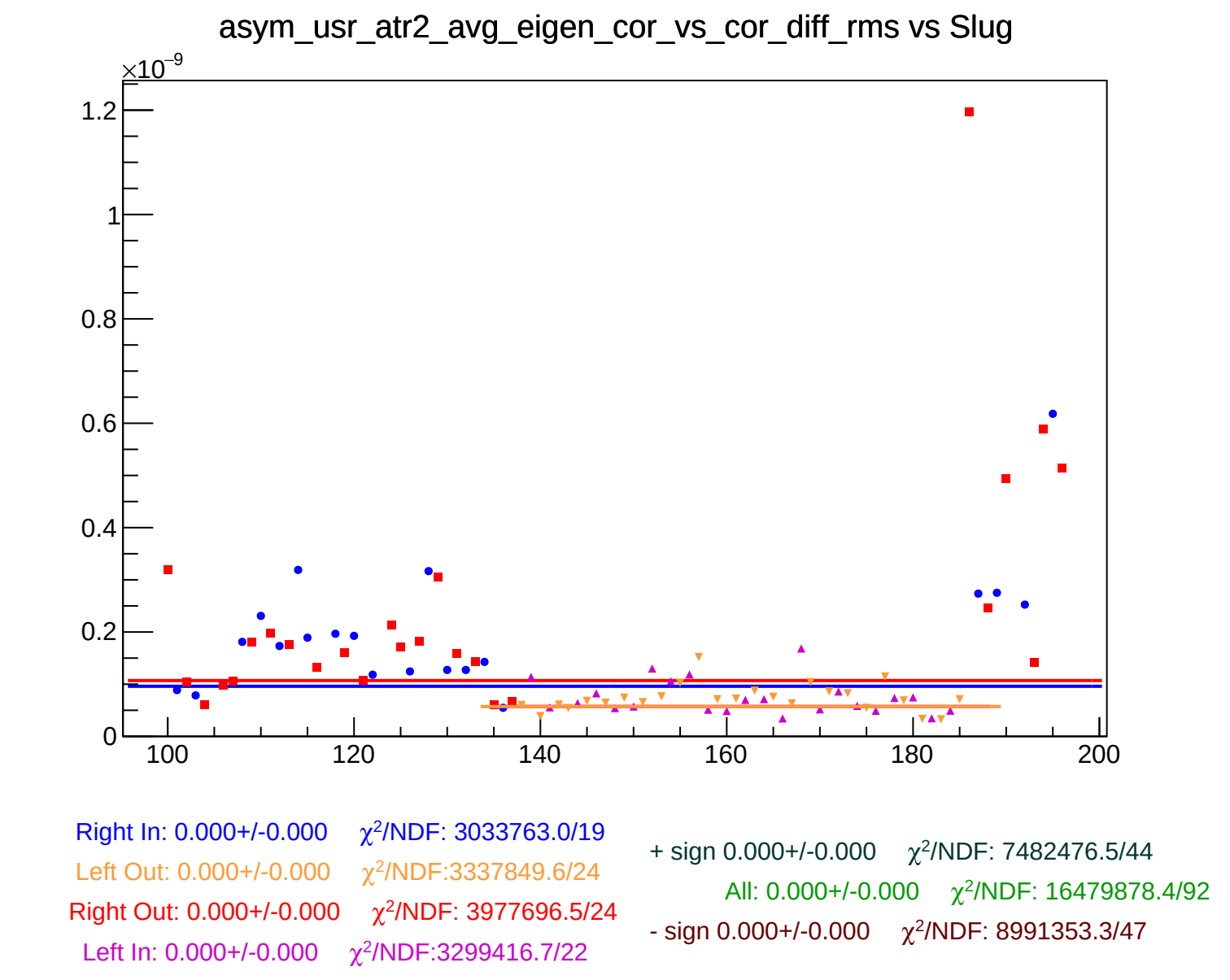
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/24

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

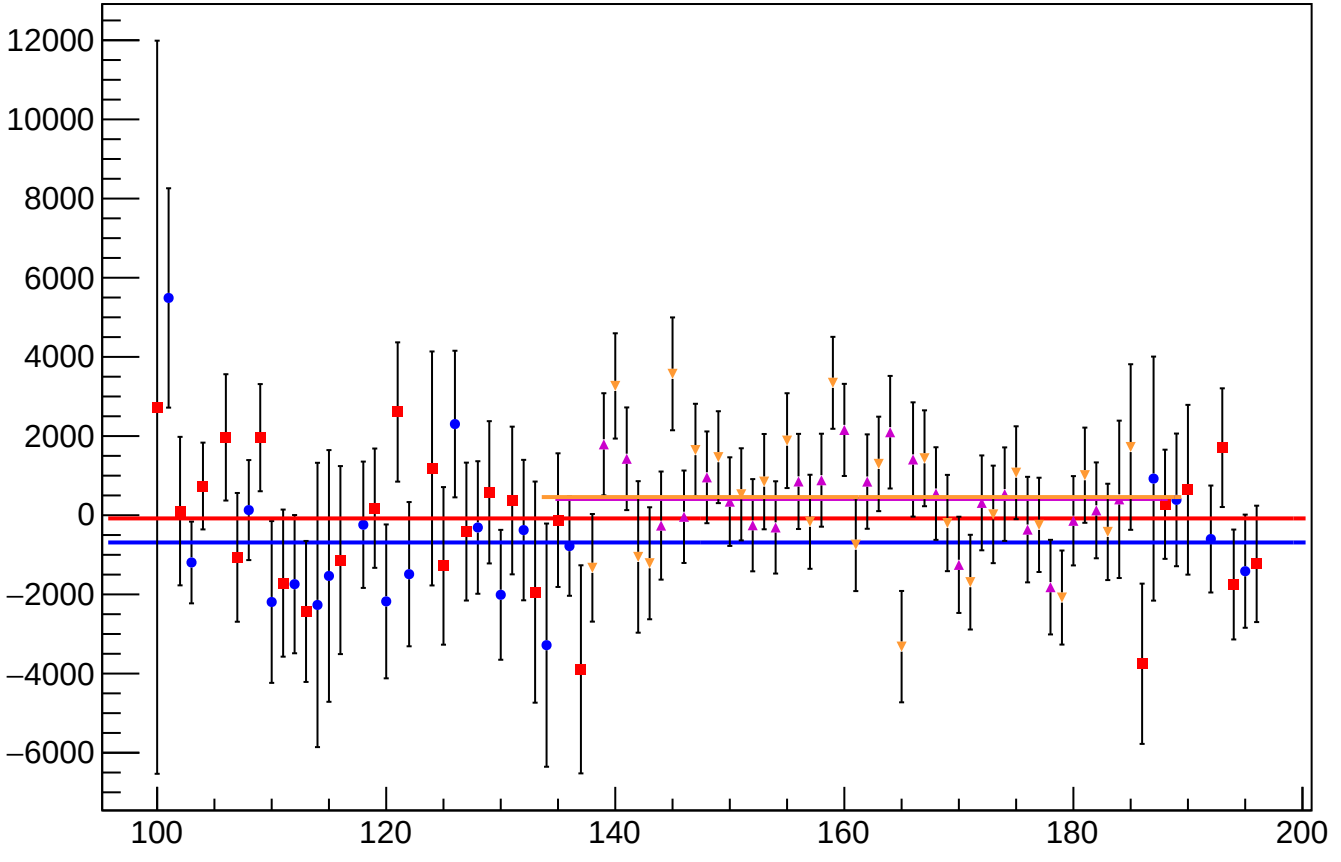
+ sign -0.000+/-0.000 χ^2/NDF: 39.7/44

All: 0.000+/-0.000 χ^2/NDF: 71.5/92

- sign 0.000+/-0.000 χ^2/NDF: 27.8/47


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3033763.0/19
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3977696.5/24
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
+ sign 0.000+/-0.000 χ²/NDF: 7482476.5/44
All: 0.000+/-0.000 χ²/NDF: 16479878.4/92
- sign 0.000+/-0.000 χ²/NDF: 8991353.3/47

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -687.927+/-378.685 χ^2/NDF: 12.7/19

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.303+/-346.664 χ^2/NDF: 20.3/24

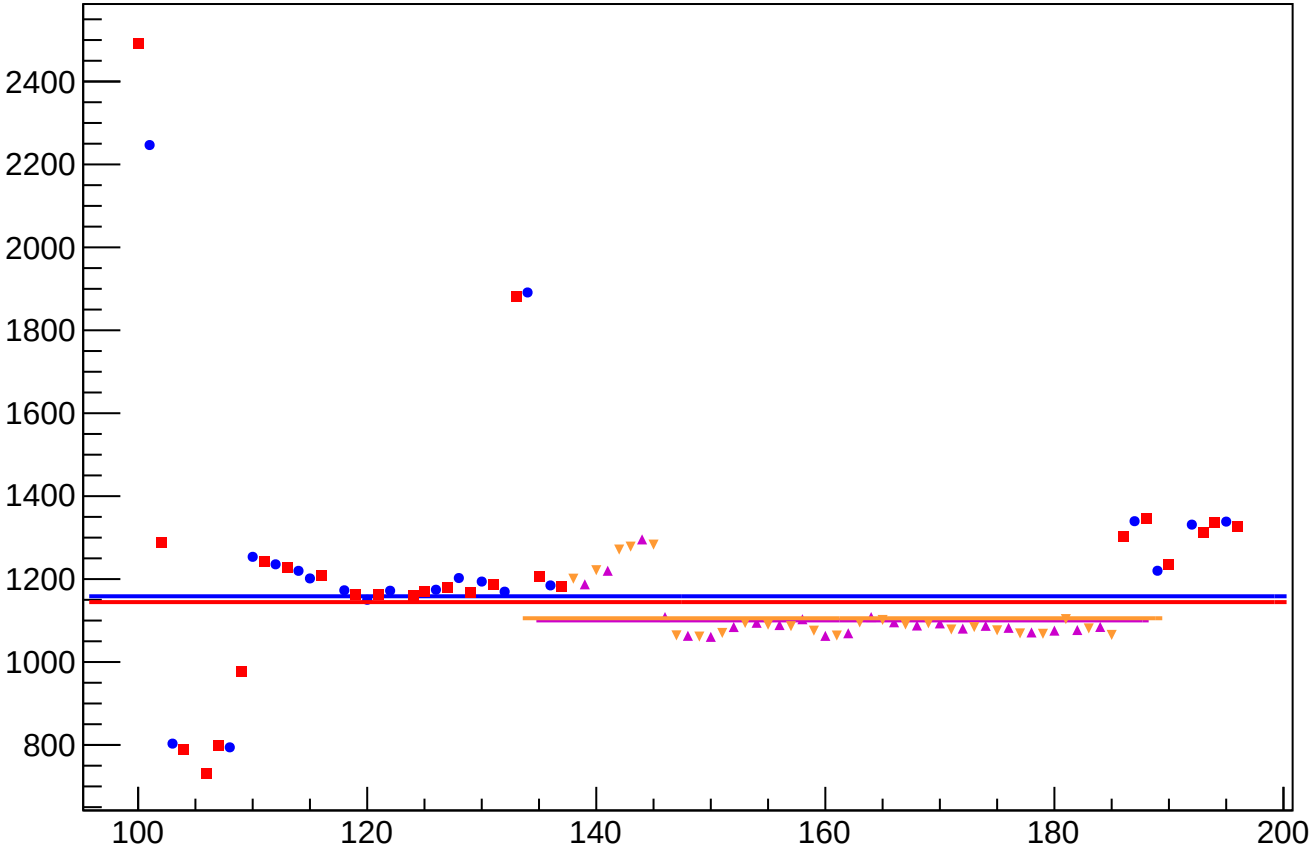
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 107.728+/-209.527 χ^2/NDF: 61.1/44

All: 173.155+/-147.097 χ^2/NDF: 96.5/92

- sign 236.742+/-206.558 χ^2/NDF: 35.2/47

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1158.557+/-0.268 χ^2/NDF: 912180.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1144.482+/-0.244 χ^2/NDF: 861202.0/24

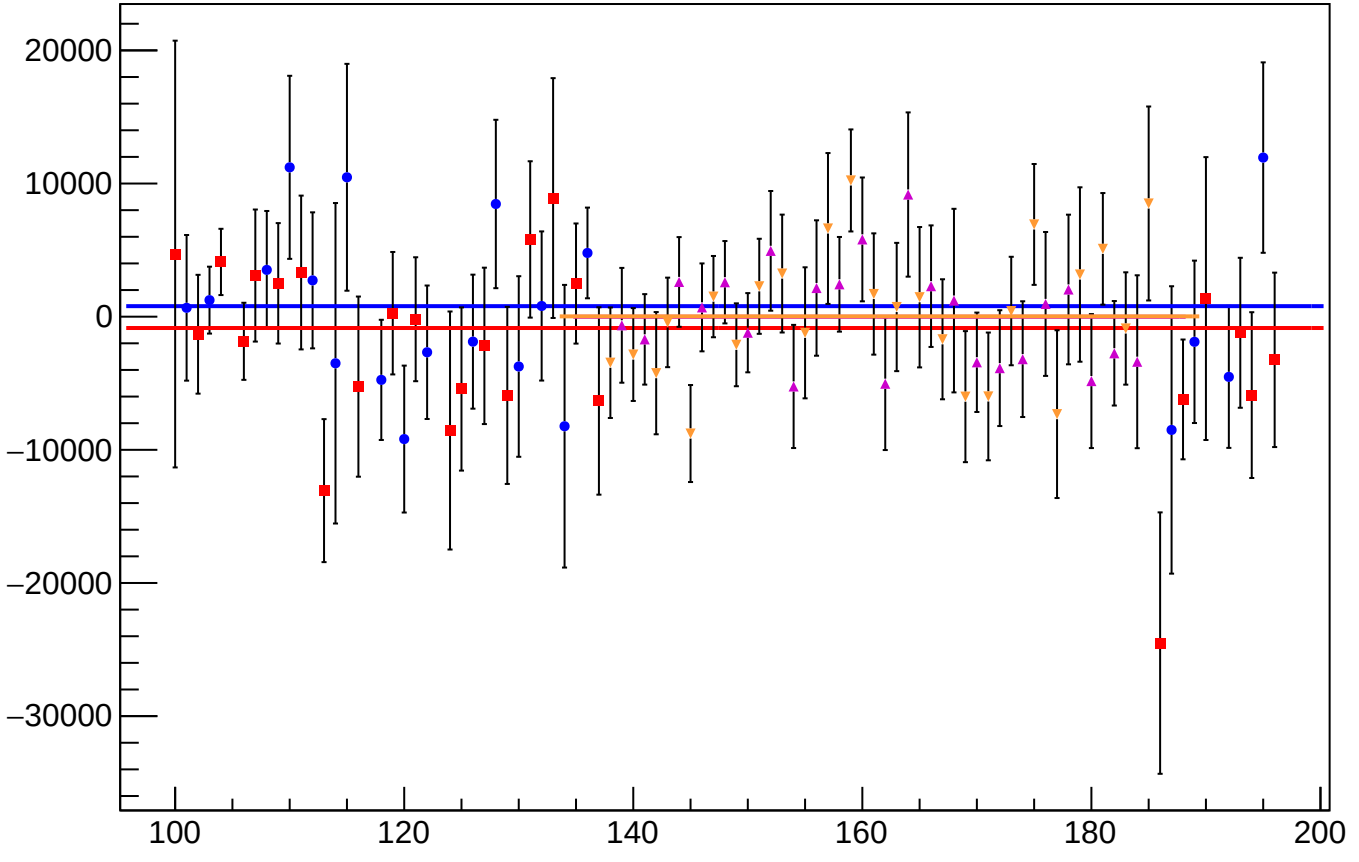
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061322.2/44

All: 1118.911+/-0.104 χ^2/NDF: 2024566.5/92

- sign 1116.138+/-0.146 χ^2/NDF: 962508.3/47

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 790.723+/-1156.072 χ^2/NDF: 18.2/19

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -850.874+/-1023.154 χ^2/NDF: 25.2/24

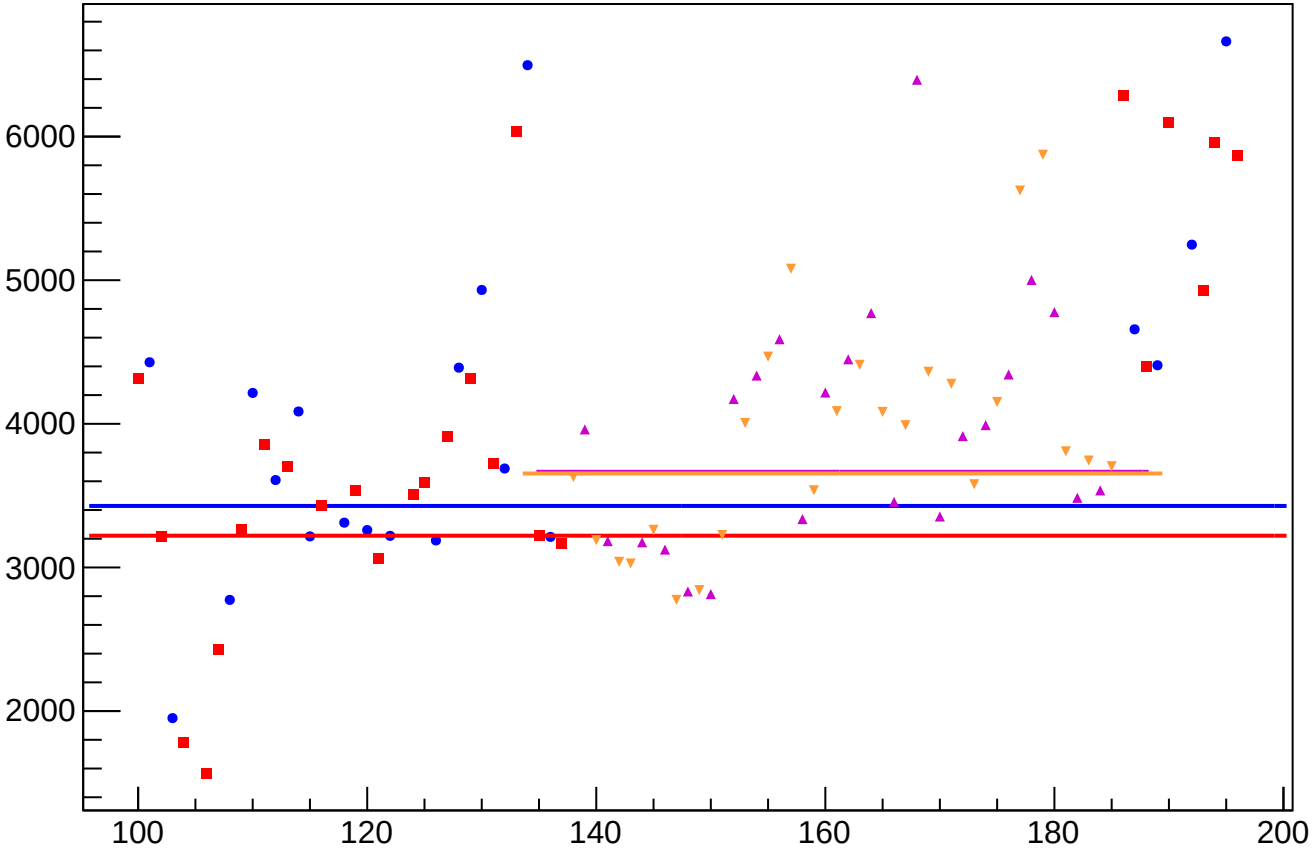
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 292.798+/-685.029 χ^2/NDF: 47.0/44

All: -44.880+/-477.187 χ^2/NDF: 87.1/92

- sign -363.196+/-665.100 χ^2/NDF: 39.6/47

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3428.261+/-0.817 χ^2/NDF: 1892974.8/19

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3221.129+/-0.723 χ^2/NDF: 3111994.2/24

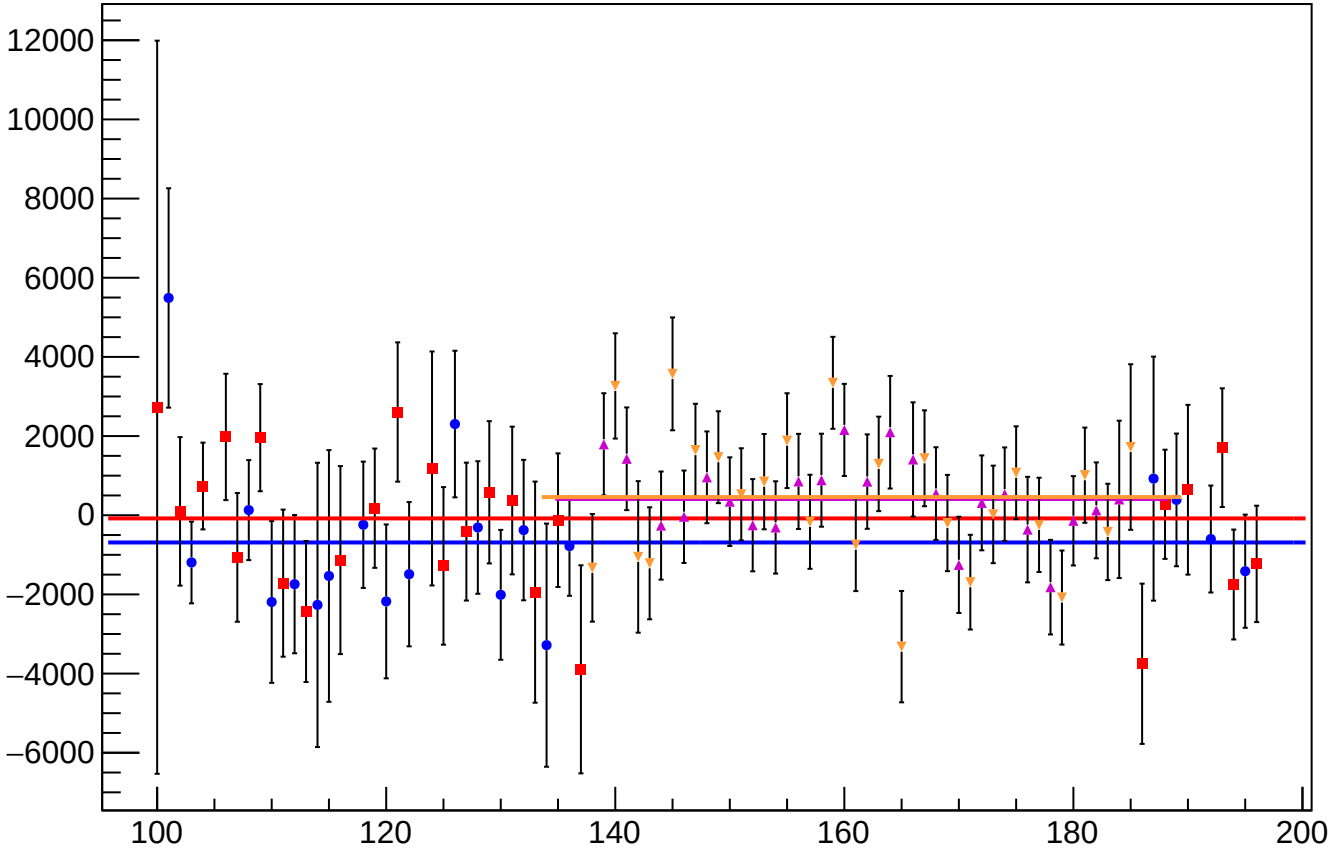
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3574.868+/-0.484 χ^2/NDF: 3254304.5/44

All: 3525.047+/-0.337 χ^2/NDF: 7949008.2/92

- sign 3478.082+/-0.470 χ^2/NDF: 4674152.3/47

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -687.911+/-378.686 χ^2/NDF: 12.7/19

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.102+/-346.667 χ^2/NDF: 20.3/24

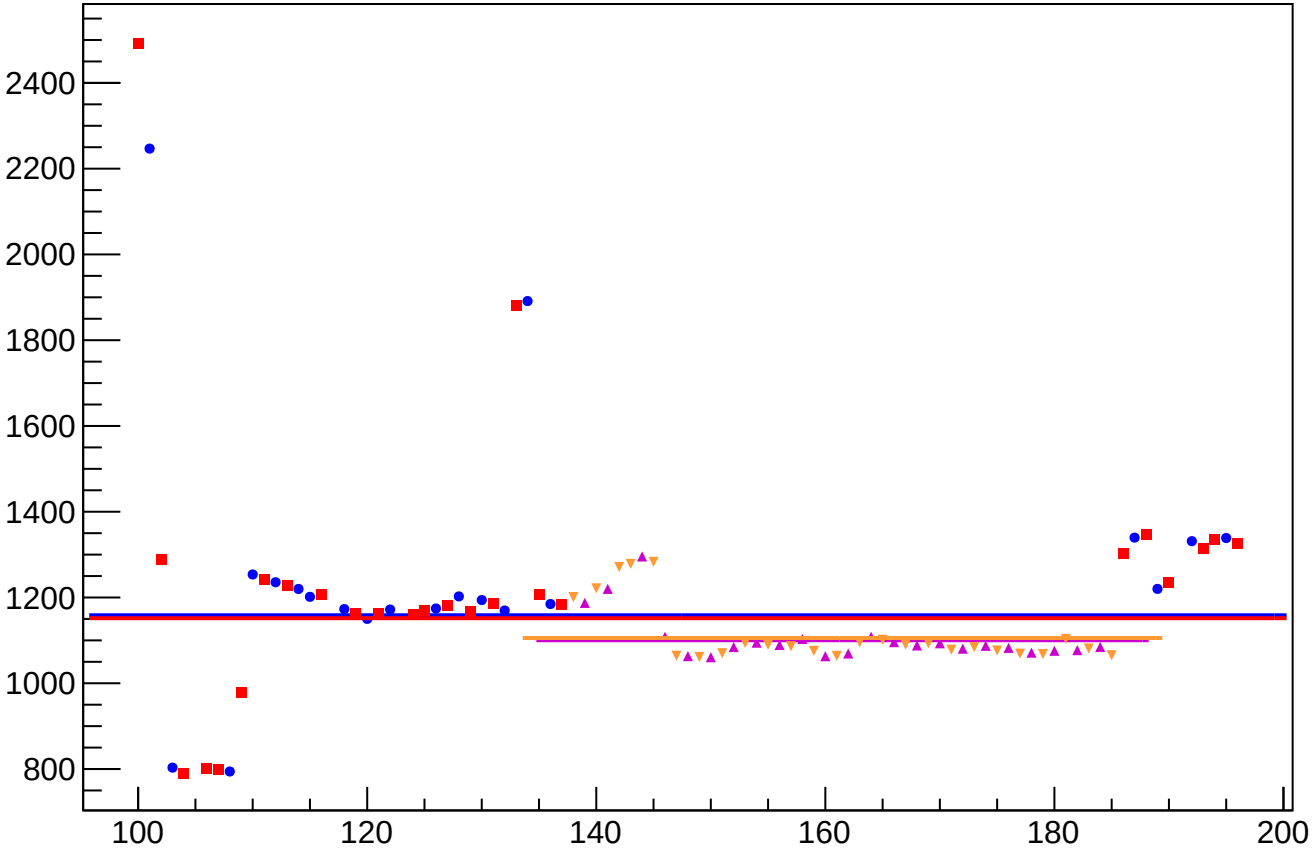
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 107.775+/-209.527 χ^2/NDF: 61.1/44

All: 173.183+/-147.097 χ^2/NDF: 96.6/92

- sign 236.751+/-206.559 χ^2/NDF: 35.3/47

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1158.558+/-0.268 χ^2/NDF: 912176.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1151.716+/-0.245 χ^2/NDF: 790631.1/24

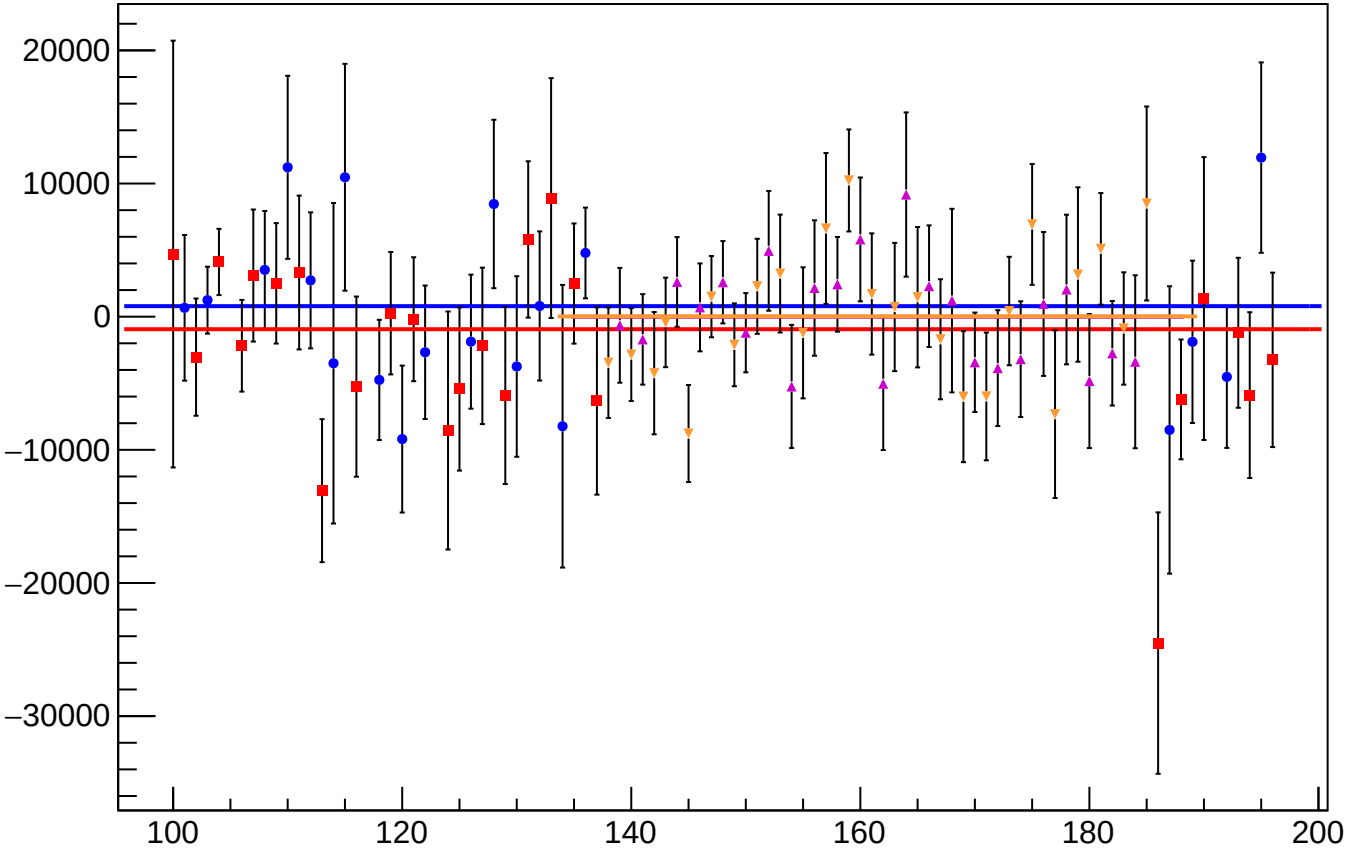
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061318.6/44

All: 1120.175+/-0.104 χ^2/NDF: 1960791.4/92

- sign 1118.619+/-0.146 χ^2/NDF: 899242.2/47

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 790.252+/-1156.113 χ^2/NDF: 18.2/19

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

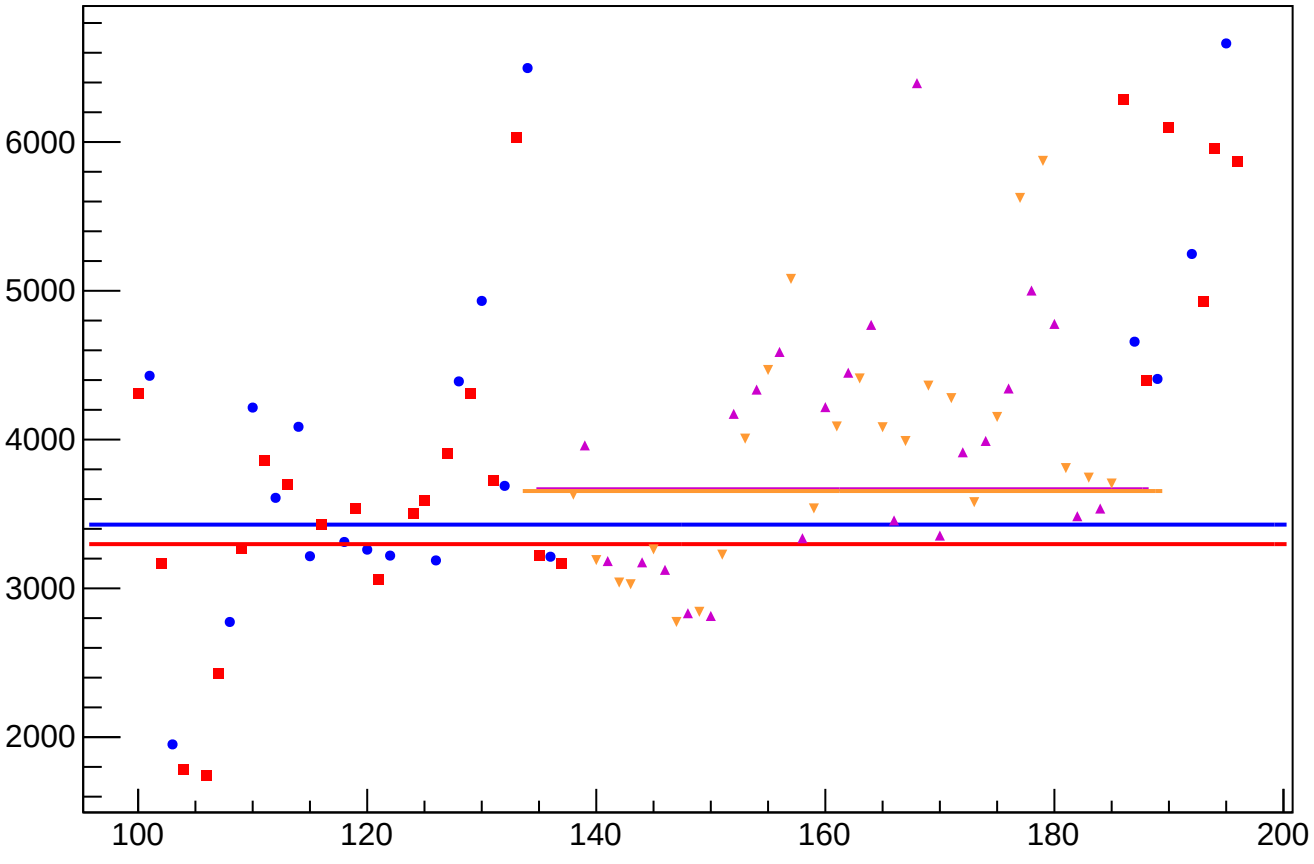
Right Out: -940.678+/-1041.655 χ^2/NDF: 25.5/24

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.617+/-685.038 χ^2/NDF: 47.0/44

All: -57.759+/-479.027 χ^2/NDF: 87.4/92

- sign -393.025+/-670.103 χ^2/NDF: 40.0/47



Right In: 3428.440+/-0.817 χ^2/NDF: 1892404.1/19

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3297.318+/-0.737 χ^2/NDF: 2815962.5/24

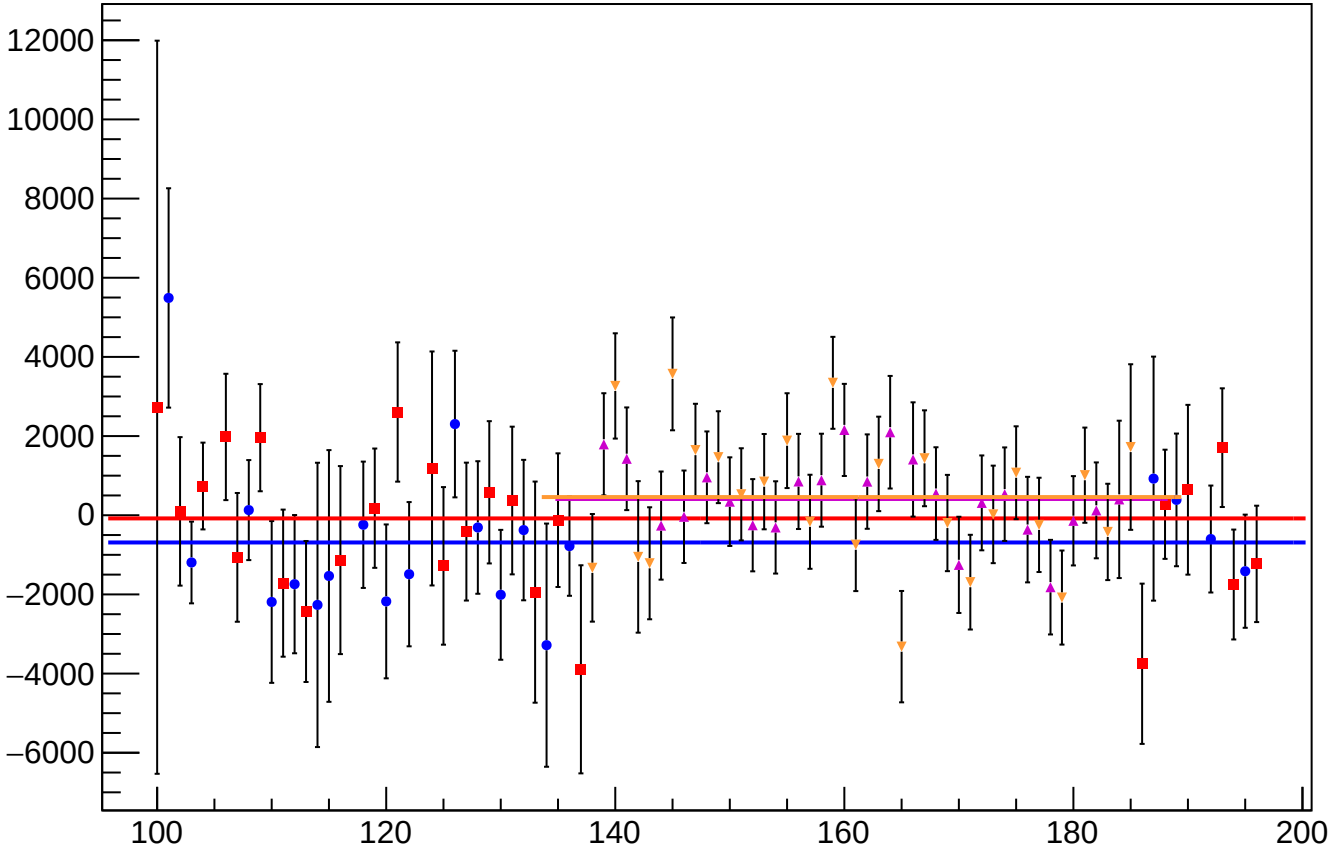
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3574.933+/-0.484 χ^2/NDF: 3253659.4/44

All: 3543.535+/-0.339 χ^2/NDF: 7568505.6/92

- sign 3513.490+/-0.474 χ^2/NDF: 4306624.2/47

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -687.911+/-378.686 χ^2/NDF: 12.7/19

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.102+/-346.667 χ^2/NDF: 20.3/24

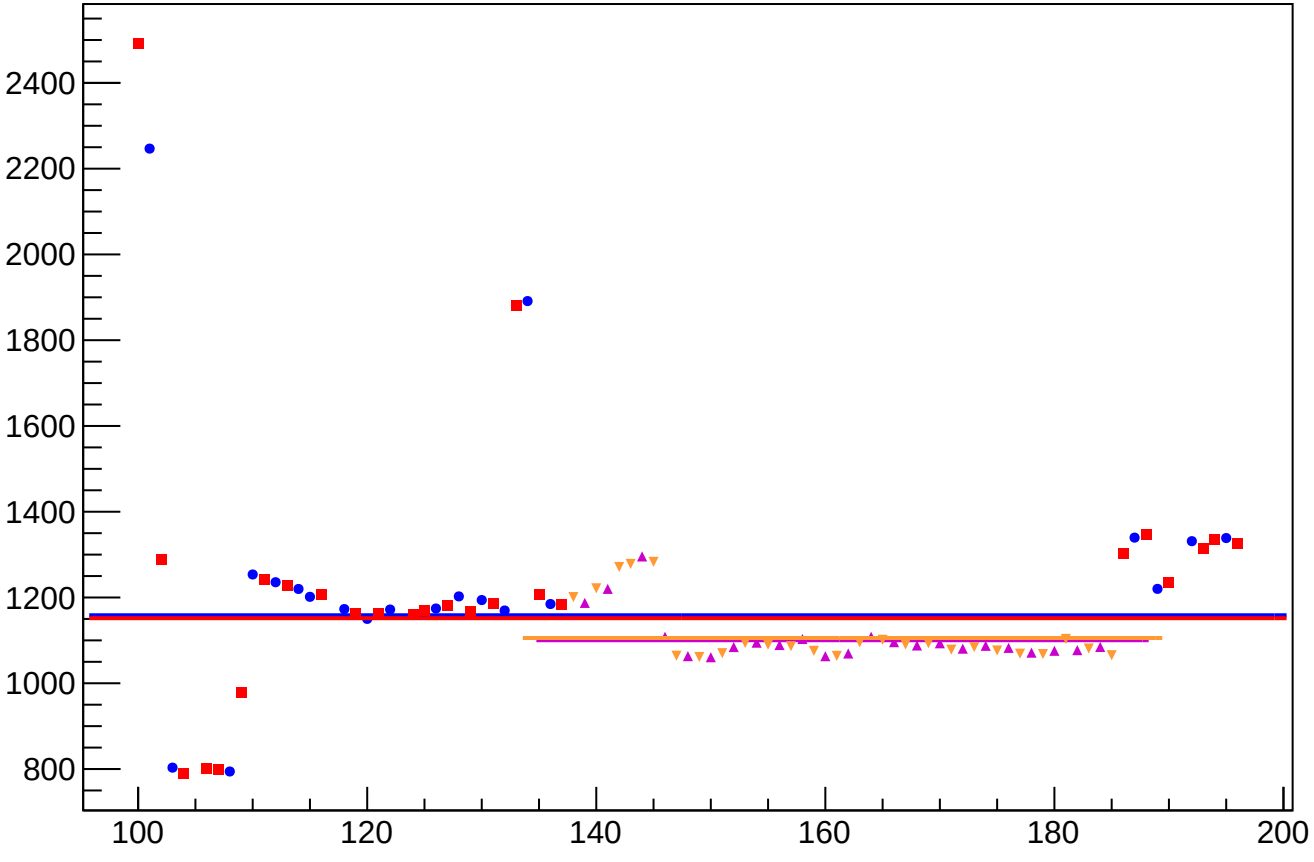
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 107.775+/-209.527 χ^2/NDF: 61.1/44

All: 173.183+/-147.097 χ^2/NDF: 96.6/92

- sign 236.751+/-206.559 χ^2/NDF: 35.3/47

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1158.558+/-0.268 χ^2/NDF: 912176.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

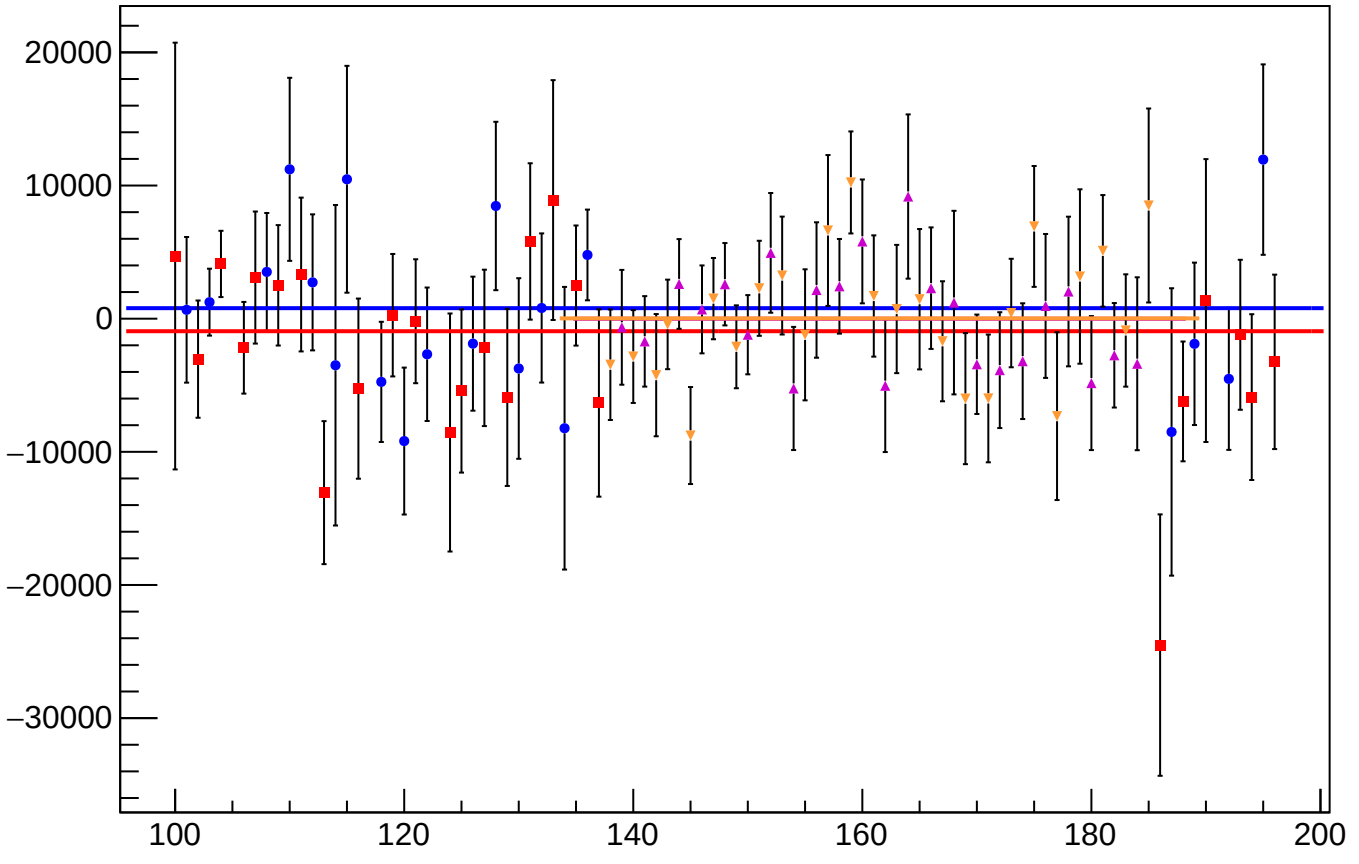
Right Out: 1151.716+/-0.245 χ^2/NDF: 790631.1/24

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061318.6/44

All: 1120.175+/-0.104 χ^2/NDF: 1960791.4/92

- sign 1118.619+/-0.146 χ^2/NDF: 899242.2/47



Right In: 790.252+/-1156.113 χ^2/NDF: 18.2/19

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

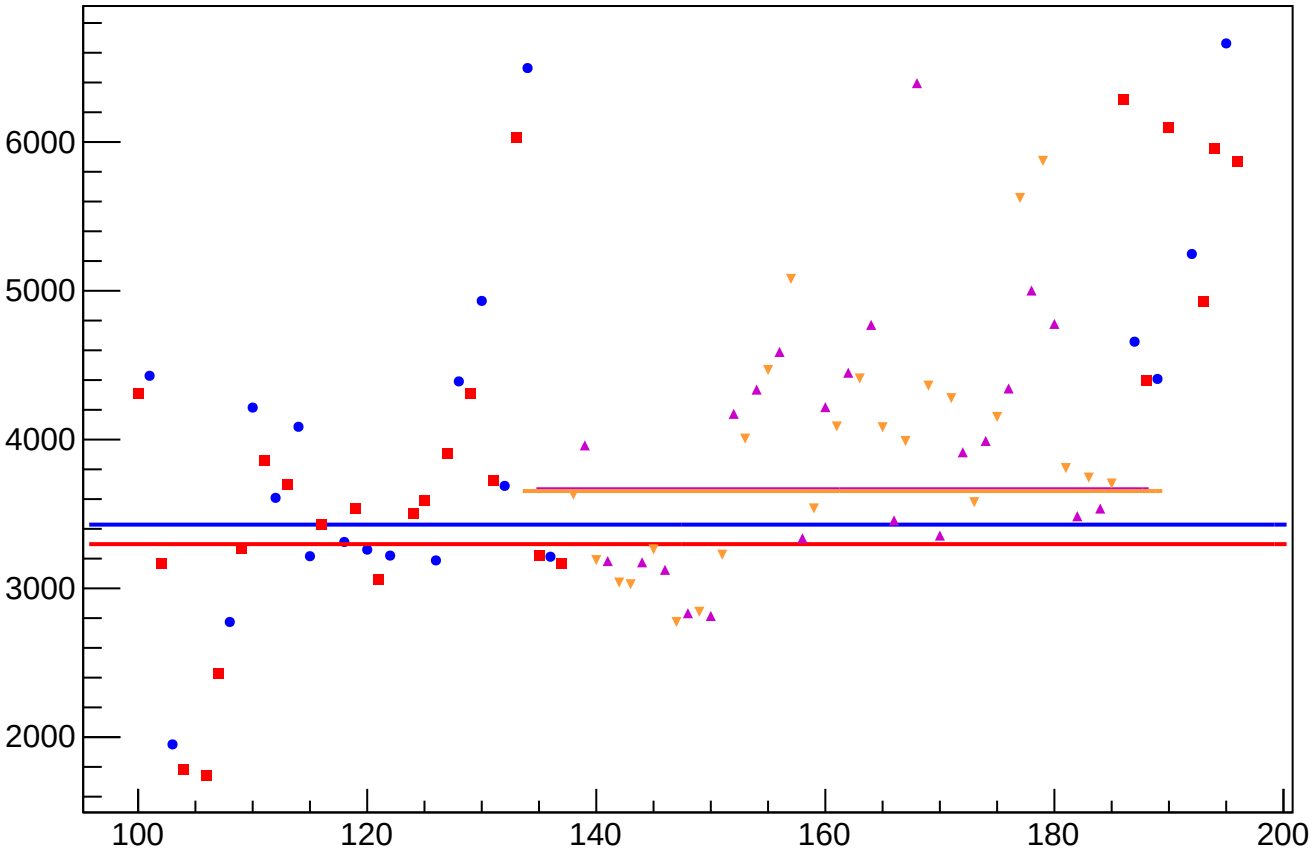
Right Out: -940.678+/-1041.655 χ^2/NDF: 25.5/24

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.617+/-685.038 χ^2/NDF: 47.0/44

All: -57.759+/-479.027 χ^2/NDF: 87.4/92

- sign -393.025+/-670.103 χ^2/NDF: 40.0/47



Right In: 3428.440+/-0.817 χ^2/NDF: 1892404.1/19

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3297.318+/-0.737 χ^2/NDF: 2815962.5/24

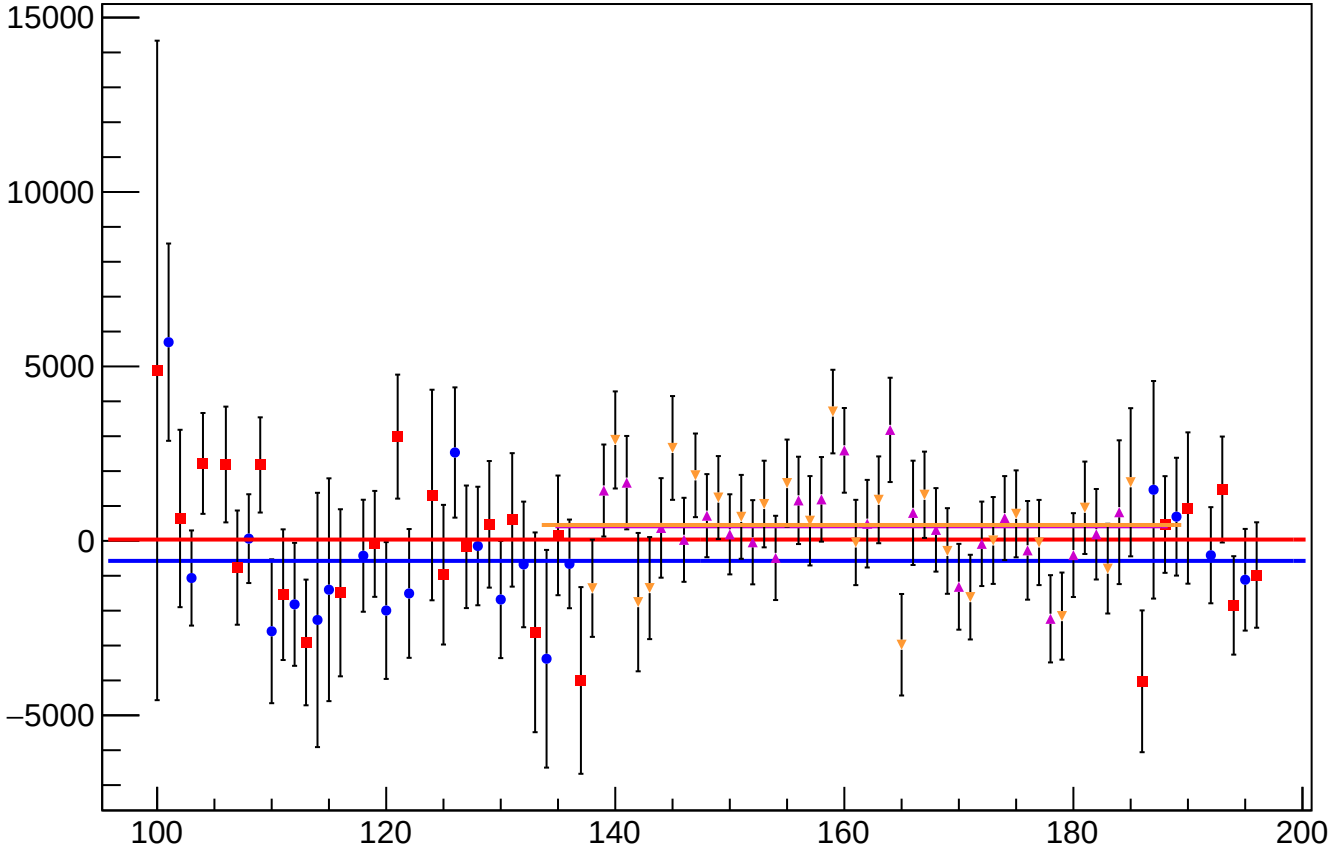
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3574.933+/-0.484 χ^2/NDF: 3253659.4/44

All: 3543.535+/-0.339 χ^2/NDF: 7568505.6/92

- sign 3513.490+/-0.474 χ^2/NDF: 4306624.2/47

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -573.337+/-394.595 χ^2/NDF: 13.1/19

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 37.846+/-361.581 χ^2/NDF: 24.7/24

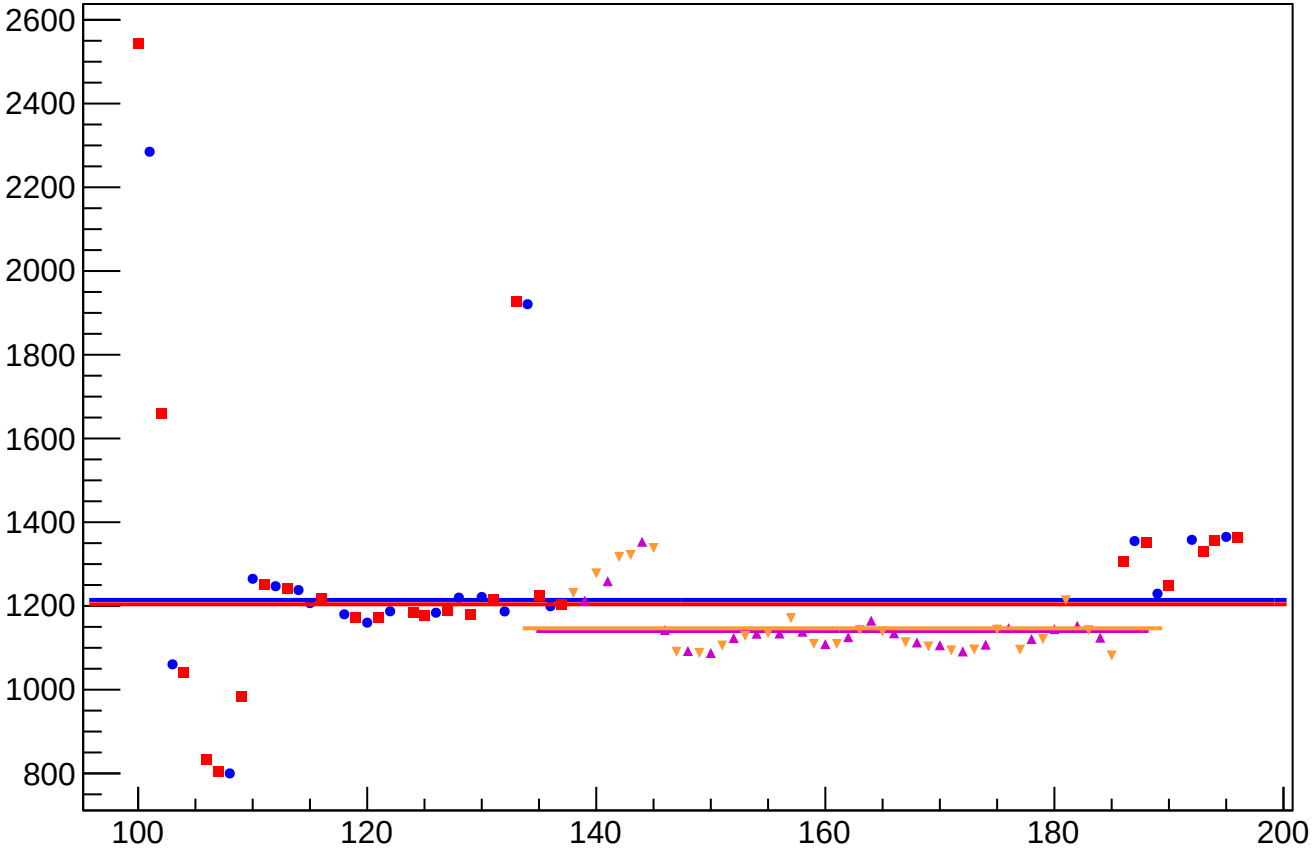
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 142.513+/-217.692 χ^2/NDF: 53.9/44

All: 214.082+/-152.816 χ^2/NDF: 96.9/92

- sign 283.612+/-214.570 χ^2/NDF: 42.7/47

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.386+/-0.279 χ^2/NDF: 680261.1/19

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1203.888+/-0.256 χ^2/NDF: 623608.5/24

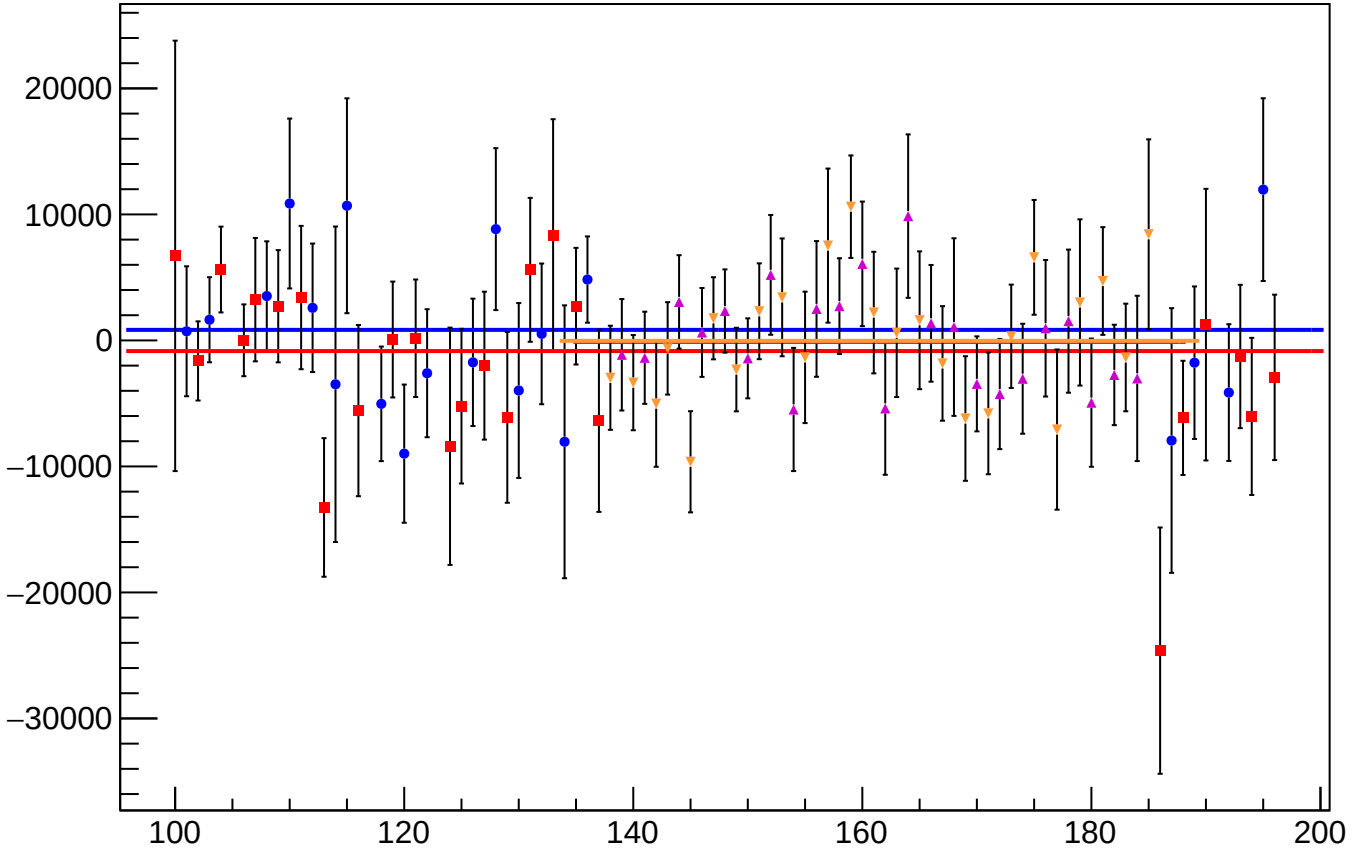
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1167.240+/-0.154 χ^2/NDF: 862317.7/44

All: 1164.895+/-0.108 χ^2/NDF: 1611376.7/92

- sign 1162.616+/-0.152 χ^2/NDF: 748601.2/47

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 837.478+/-1213.672 χ^2/NDF: 18.0/19

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -844.801+/-1037.082 χ^2/NDF: 24.9/24

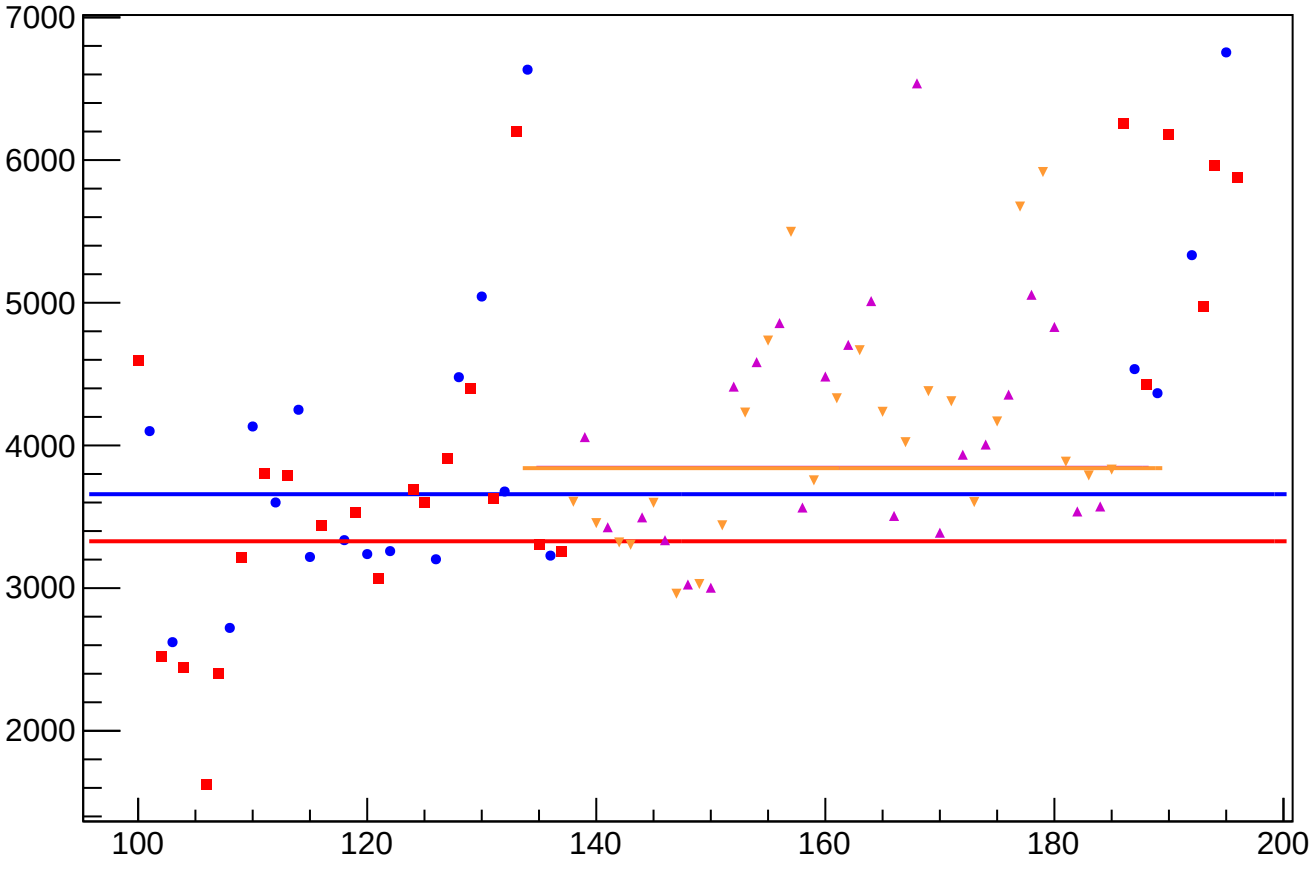
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 271.657+/-718.426 χ^2/NDF: 46.1/44

All: -99.389+/-496.304 χ^2/NDF: 85.5/92

- sign -438.118+/-686.426 χ^2/NDF: 38.9/47

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3658.330+/-0.858 χ^2/NDF: 1258494.0/19

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3328.412+/-0.733 χ^2/NDF: 2643814.7/24

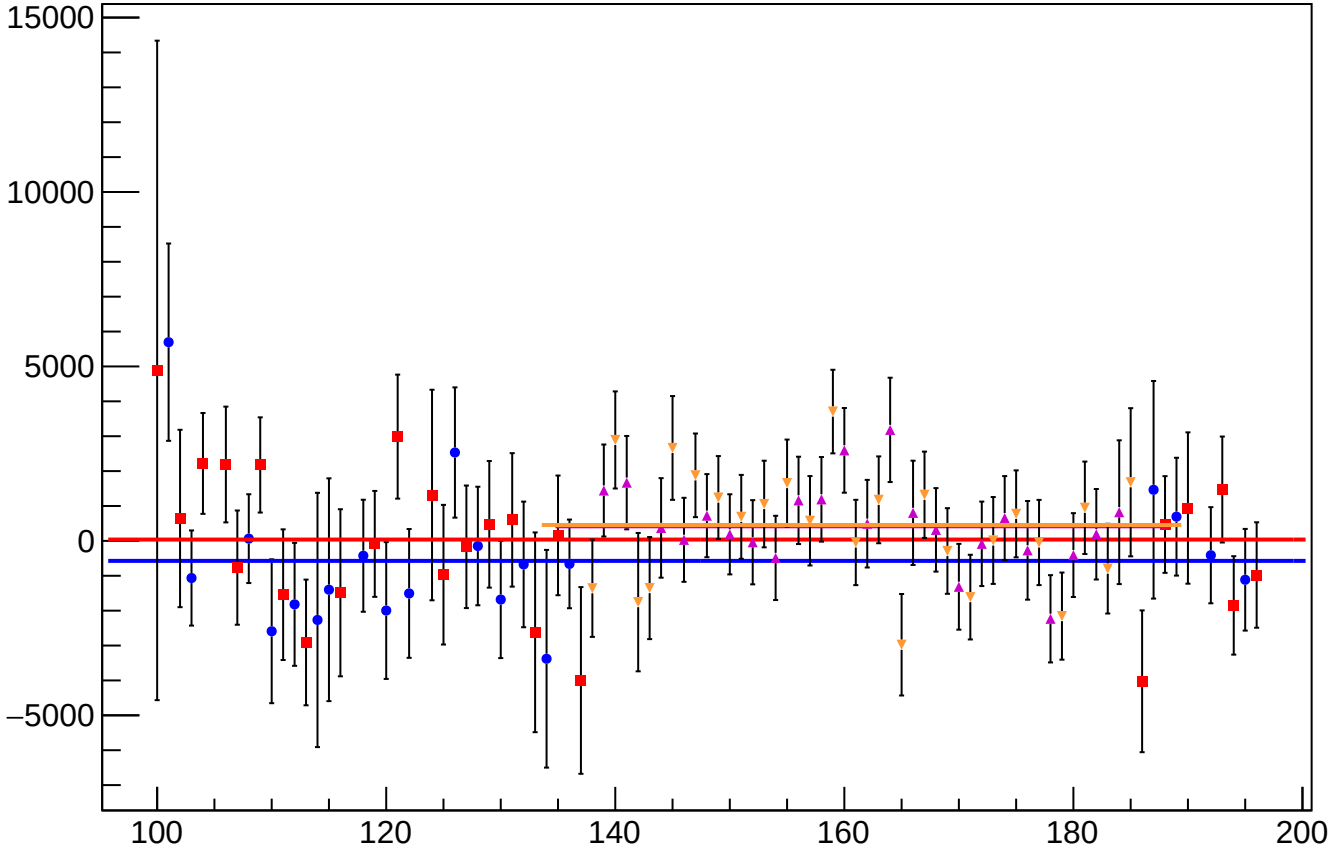
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3776.883+/-0.508 χ^2/NDF: 2406537.1/44

All: 3693.693+/-0.351 χ^2/NDF: 6574748.9/92

- sign 3617.749+/-0.485 χ^2/NDF: 4116914.2/47

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -573.340+/-394.595 χ^2/NDF: 13.1/19

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 37.849+/-361.581 χ^2/NDF: 24.7/24

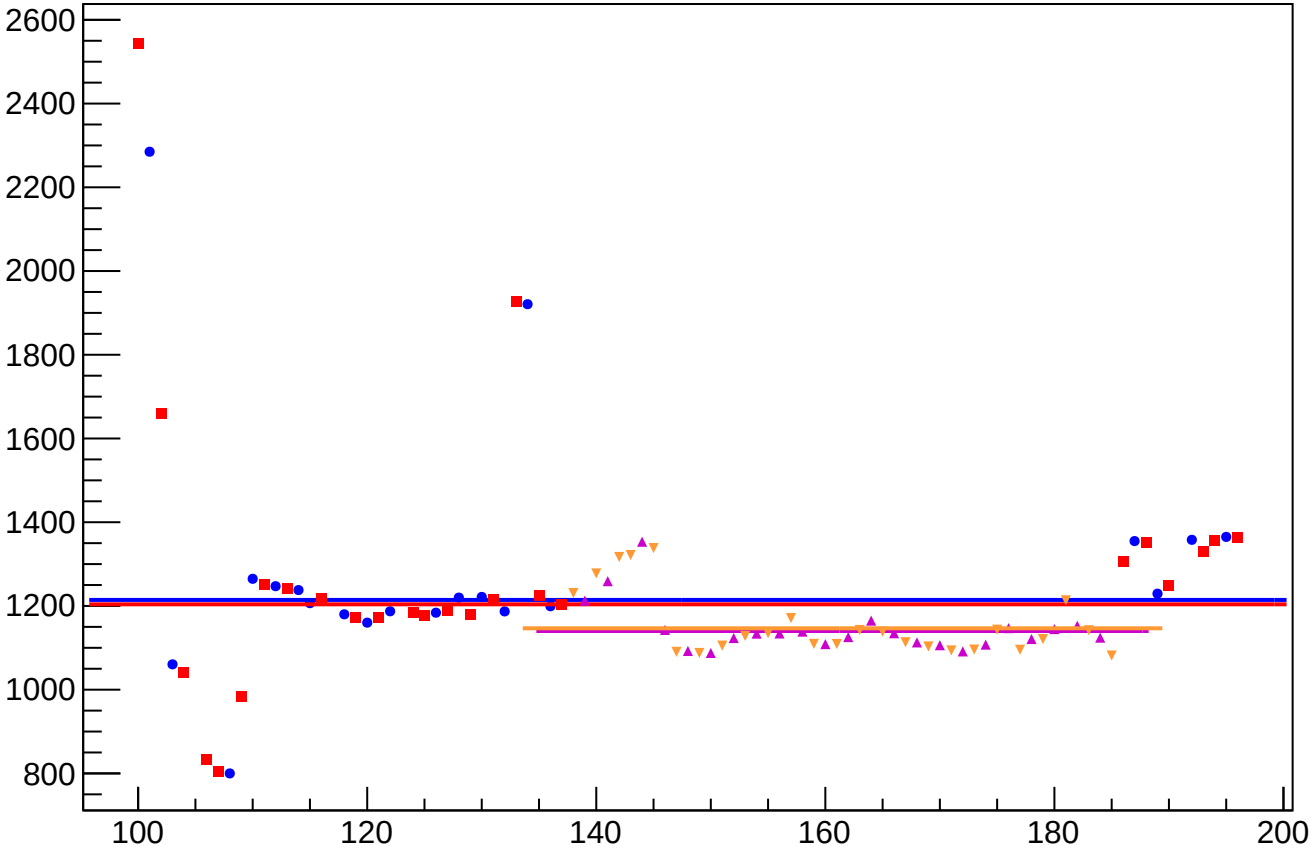
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 142.516+/-217.692 χ^2/NDF: 53.9/44

All: 214.083+/-152.816 χ^2/NDF: 96.9/92

- sign 283.612+/-214.570 χ^2/NDF: 42.7/47

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1214.386+/-0.279 χ^2/NDF: 680261.4/19

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

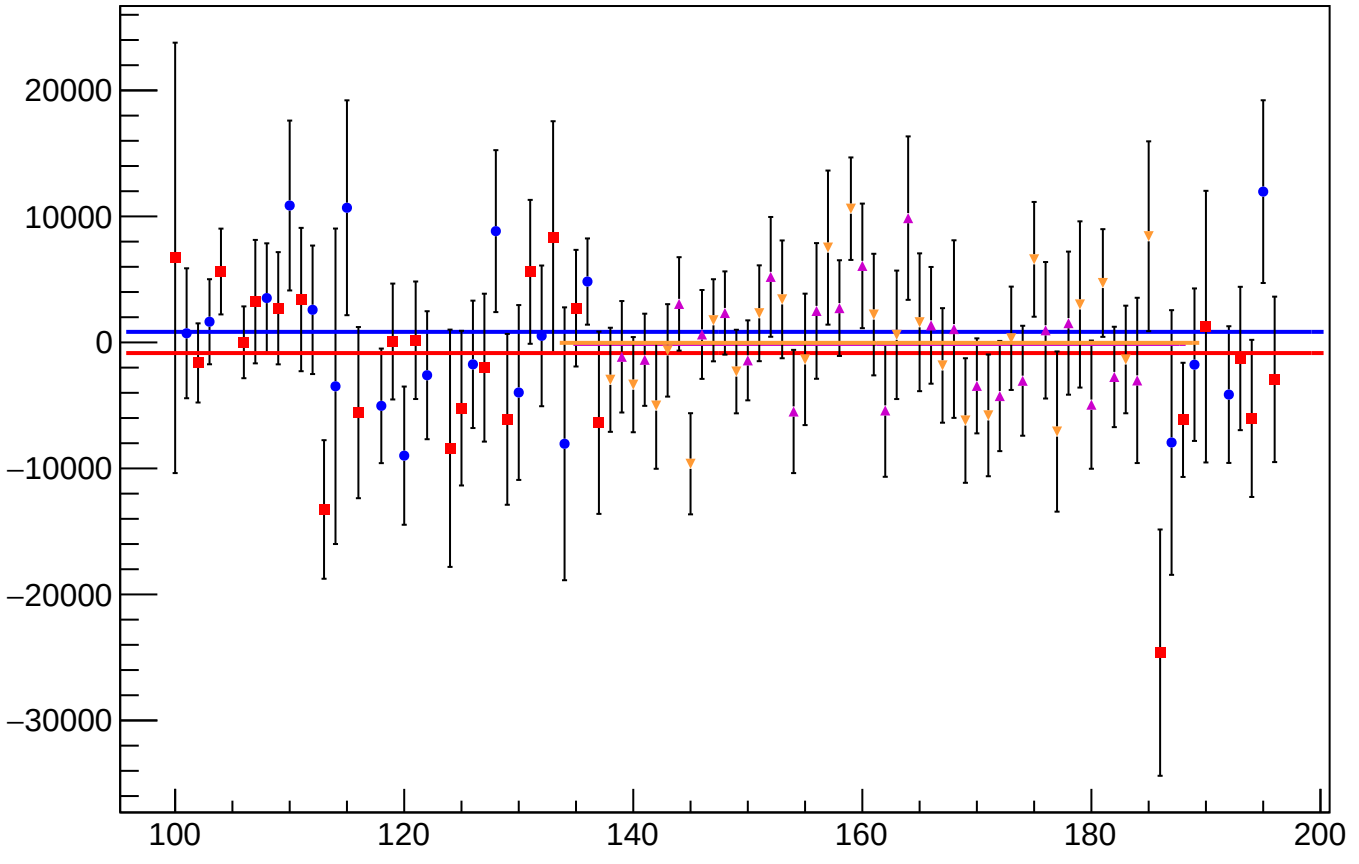
Right Out: 1203.888+/-0.256 χ^2/NDF: 623607.7/24

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1167.241+/-0.154 χ^2/NDF: 862317.1/44

All: 1164.895+/-0.108 χ^2/NDF: 1611374.2/92

- sign 1162.617+/-0.152 χ^2/NDF: 748599.3/47



Right In: 837.463+/-1213.671 χ^2/NDF: 18.0/19

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

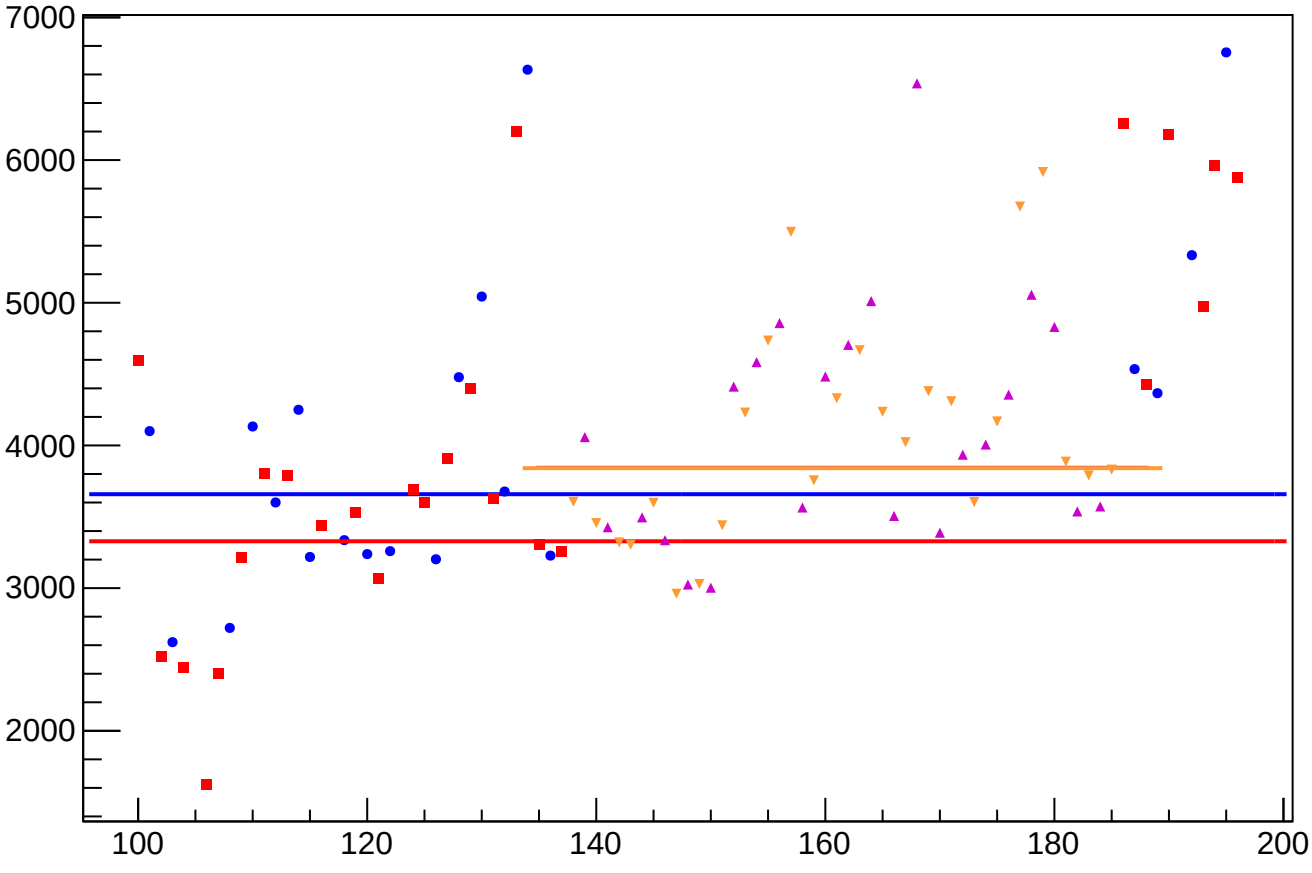
Right Out: -844.793+/-1037.080 χ^2/NDF: 24.9/24

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 271.653+/-718.426 χ^2/NDF: 46.1/44

All: -99.391+/-496.304 χ^2/NDF: 85.5/92

- sign -438.117+/-686.426 χ^2/NDF: 38.9/47



Right In: 3658.327+/-0.858 χ^2/NDF: 1258495.1/19

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3328.407+/-0.733 χ^2/NDF: 2643821.6/24

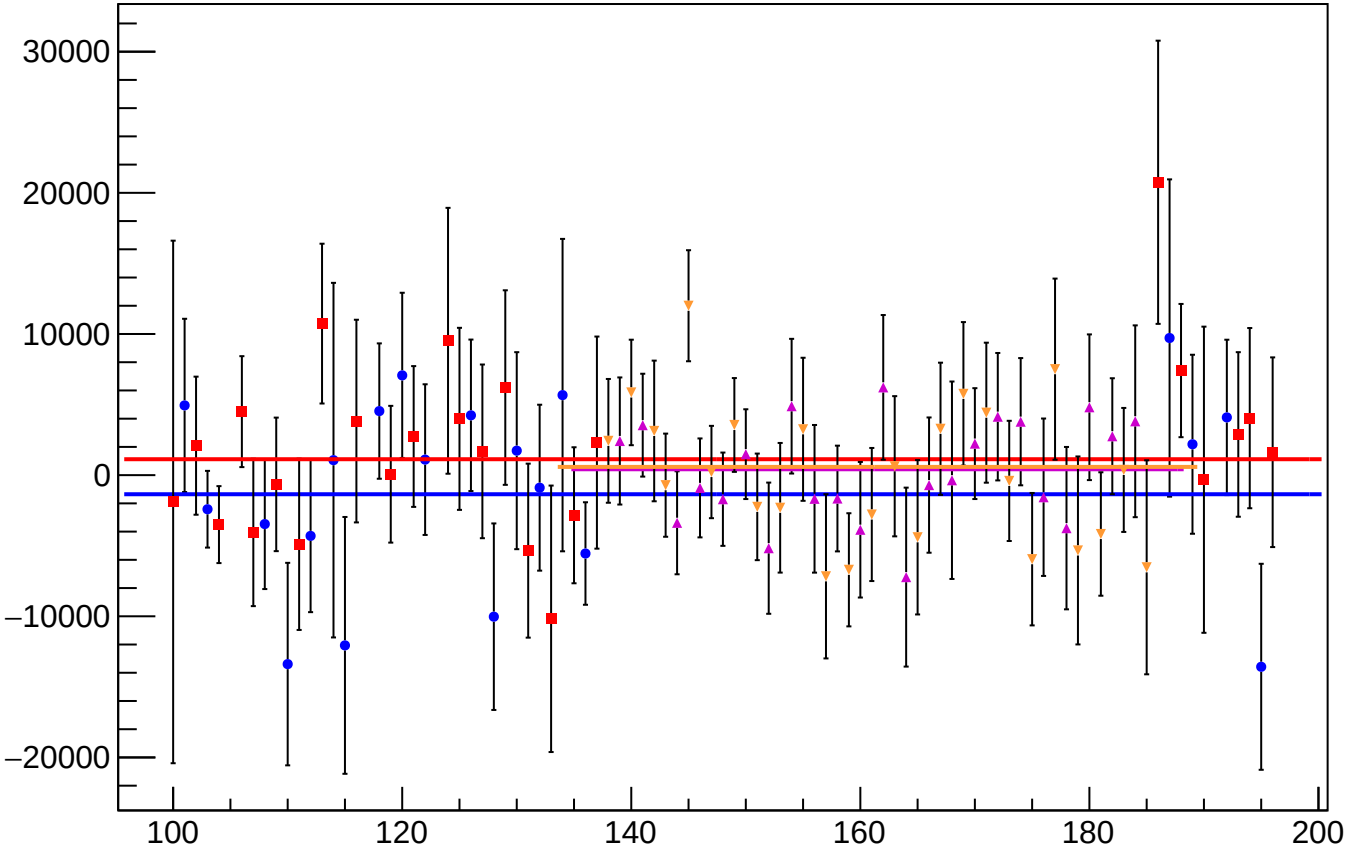
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3776.885+/-0.508 χ^2/NDF: 2406542.6/44

All: 3693.694+/-0.351 χ^2/NDF: 6574777.0/92

- sign 3617.749+/-0.485 χ^2/NDF: 4116935.5/47

asym_usr_atr2_dd_mean vs Slug



Right In: -1352.859+/-1226.556 χ^2/NDF: 19.6/19

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1128.301+/-1113.470 χ^2/NDF: 19.7/24

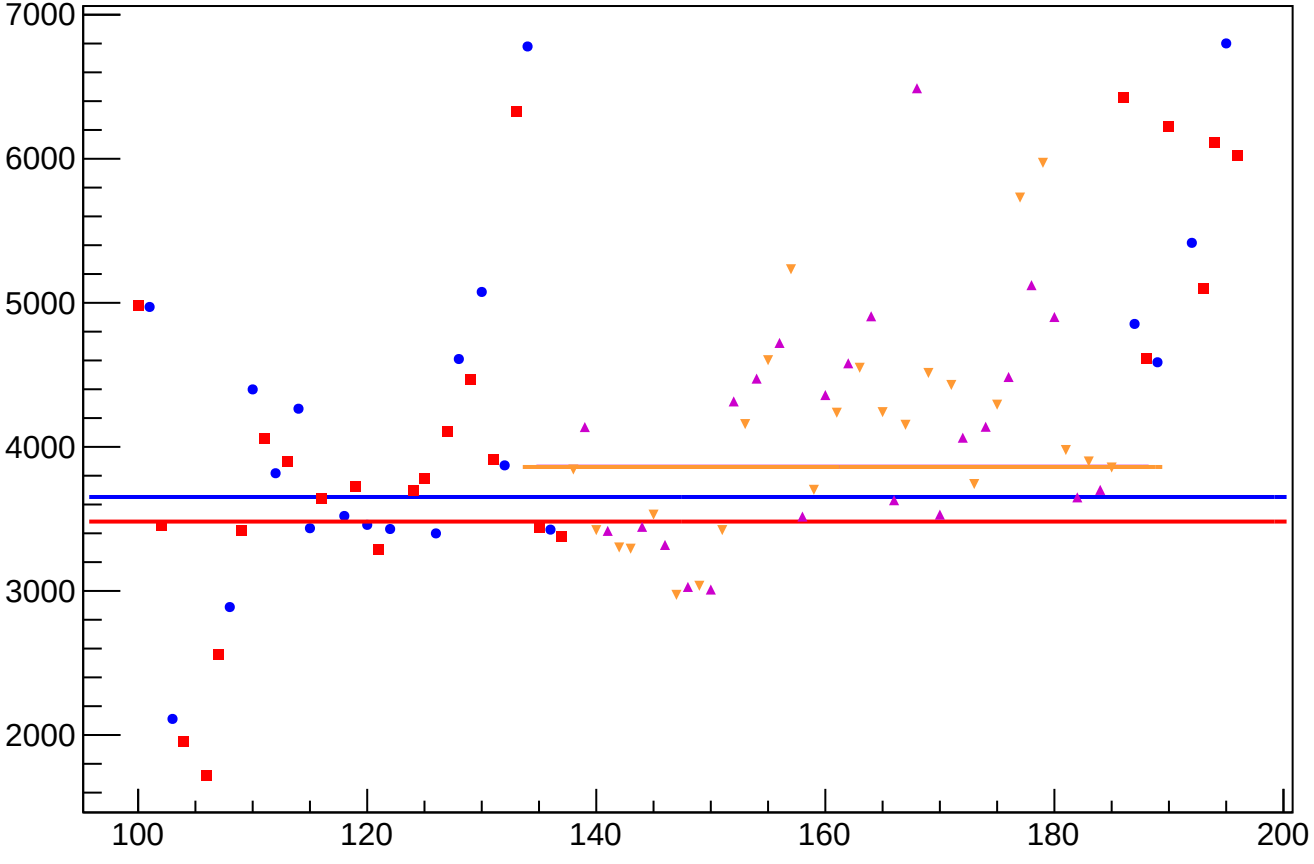
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -89.328+/-722.935 χ^2/NDF: 48.6/44

All: 315.741+/-506.111 χ^2/NDF: 81.6/92

\- sign 705.095+/-708.774 χ^2/NDF: 32.4/47

asym_usr_atr2_dd_rms vs Slug



Right In: 3652.199+/-0.867 χ^2/NDF: 1770694.8/19

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

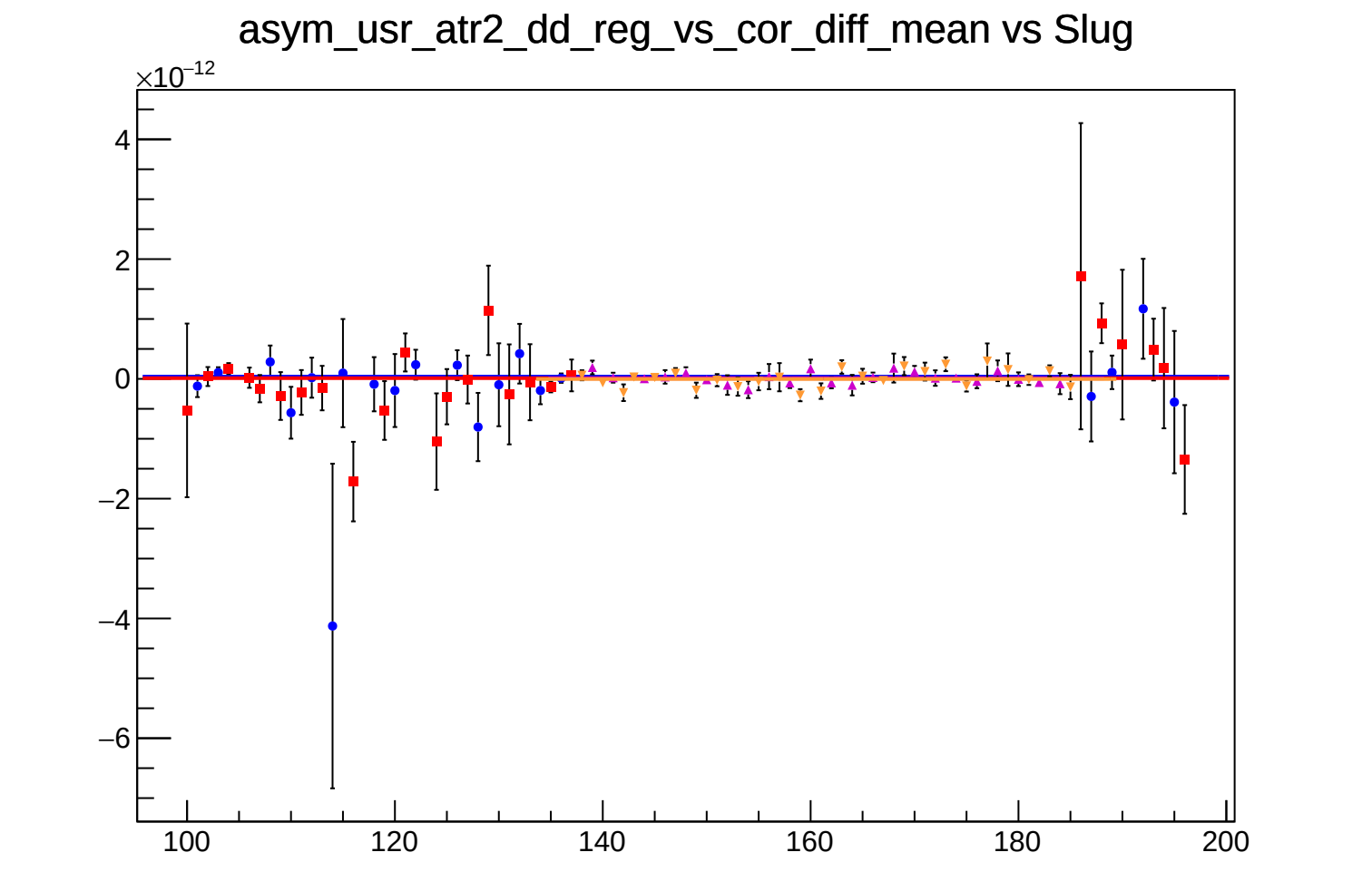
Right Out: 3481.557+/-0.776 χ^2/NDF: 2739295.2/24

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3788.161+/-0.511 χ^2/NDF: 2905643.9/44

All: 3745.762+/-0.357 χ^2/NDF: 6941984.9/92

\- sign 3705.472+/-0.498 χ^2/NDF: 4022924.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

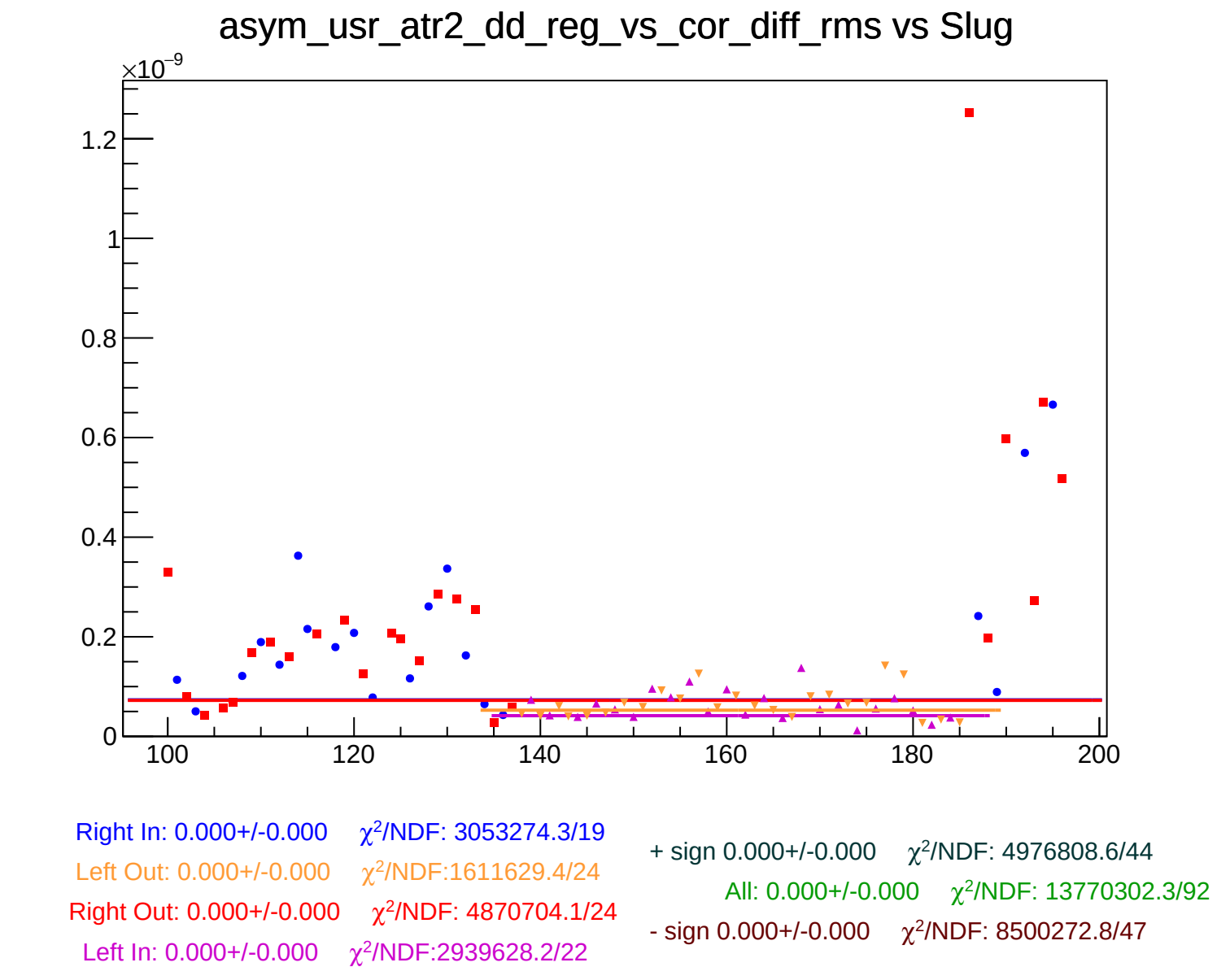
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/24

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

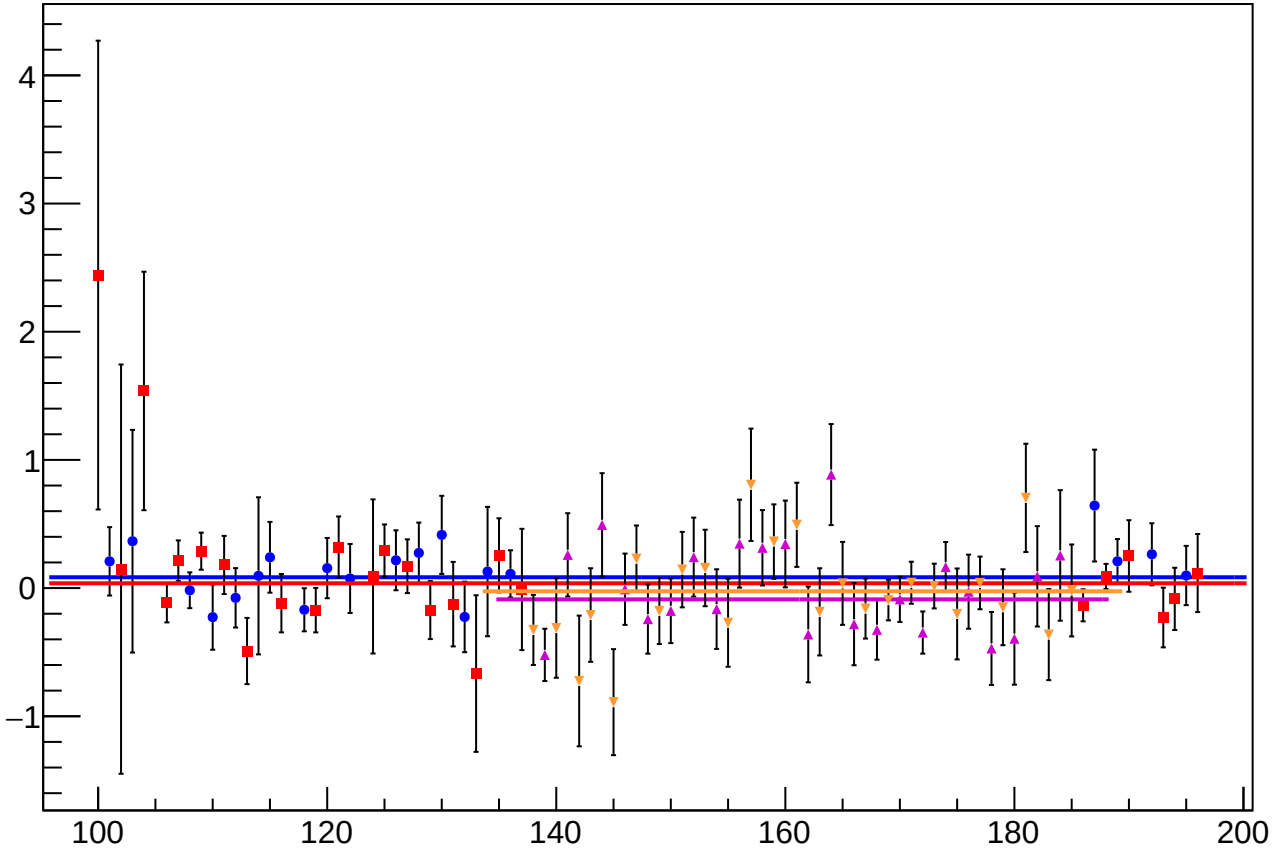
+ sign 0.000+/-0.000 χ^2/NDF: 48.9/44

All: 0.000+/-0.000 χ^2/NDF: 95.2/92

- 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: 3053274.3/19
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: 4976808.6/44
All: 0.000+/-0.000 χ²/NDF: 13770302.3/92
- sign 0.000+/-0.000 χ²/NDF: 8500272.8/47

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

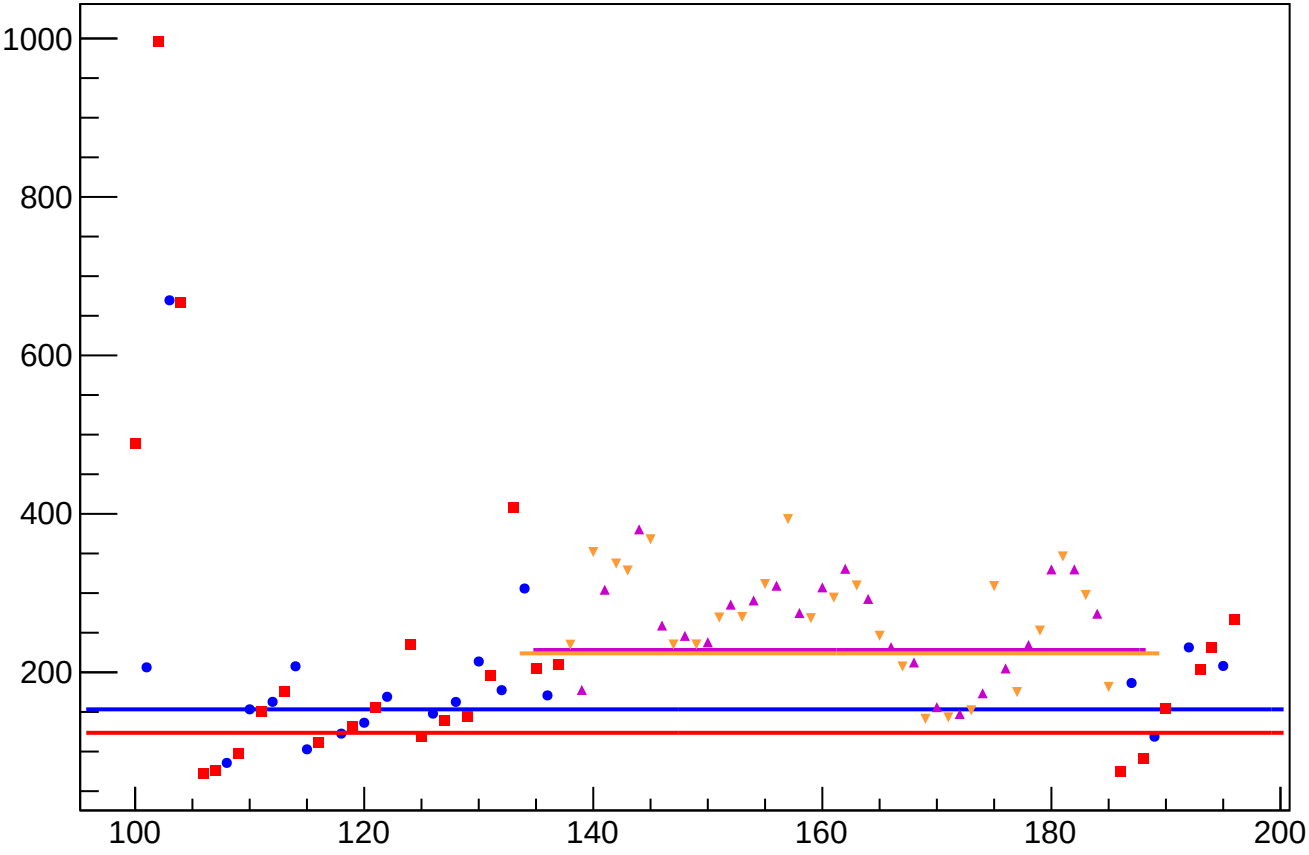
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.038 χ^2/NDF: 37.8/44

All: 0.010+/-0.025 χ^2/NDF: 98.4/92

- sign -0.007+/-0.034 χ^2/NDF: 60.0/47

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 153.264+/-0.038 χ^2/NDF: 2136057.5/19

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 123.666+/-0.030 χ^2/NDF: 4479755.6/24

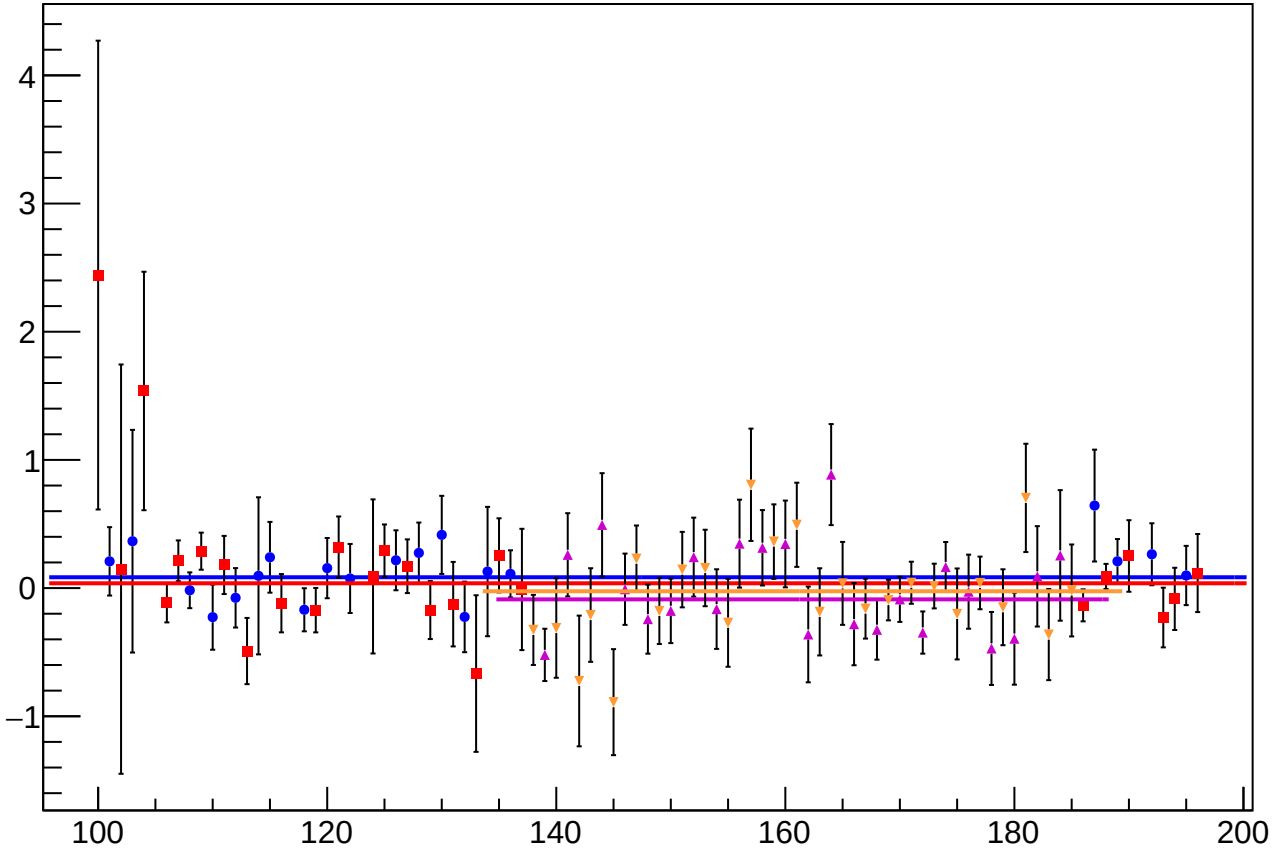
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.765+/-0.027 χ^2/NDF: 7290103.7/44

All: 172.742+/-0.018 χ^2/NDF: 19194107.7/92

- 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: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

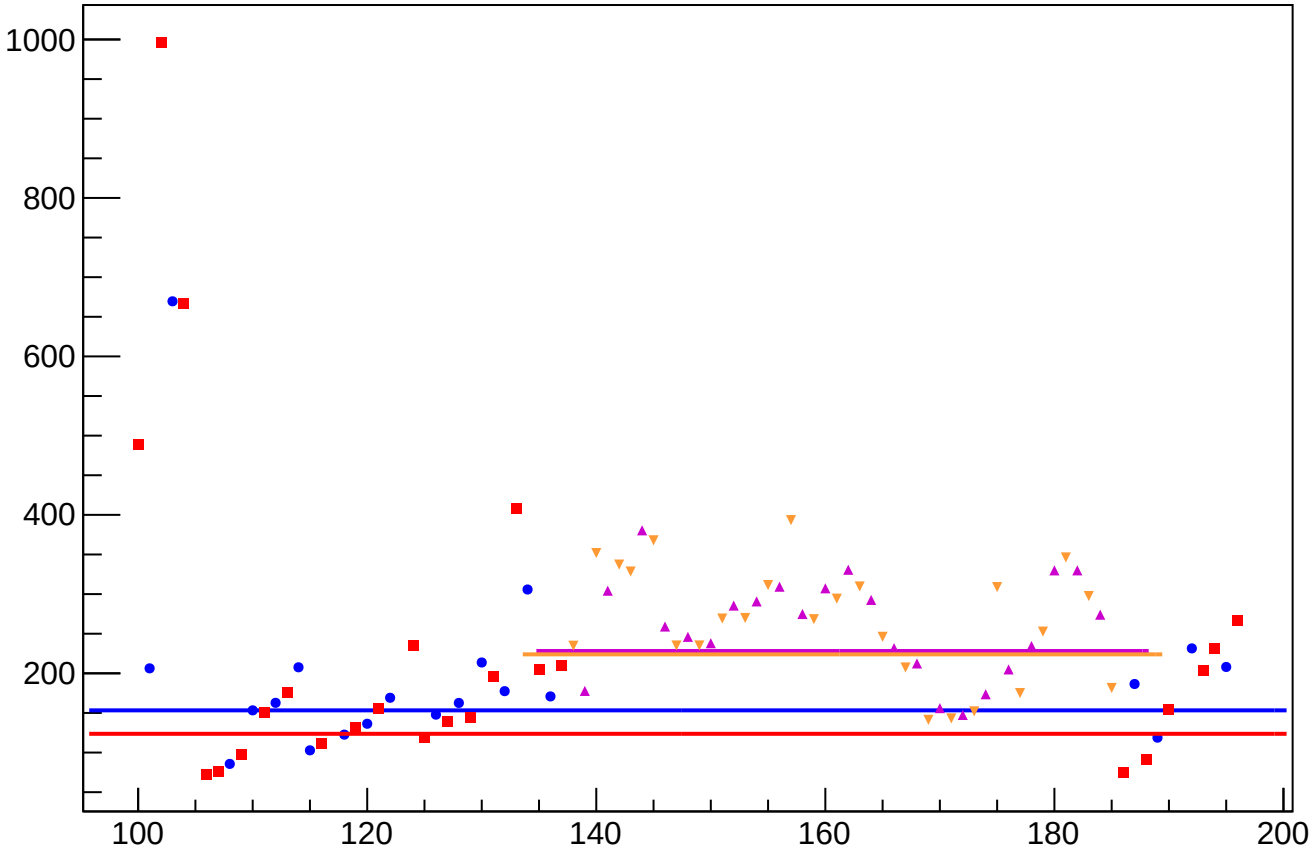
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.038 χ^2/NDF: 37.8/44

All: 0.010+/-0.025 χ^2/NDF: 98.4/92

- 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: 153.264+/-0.038 χ^2/NDF: 2136057.5/19

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

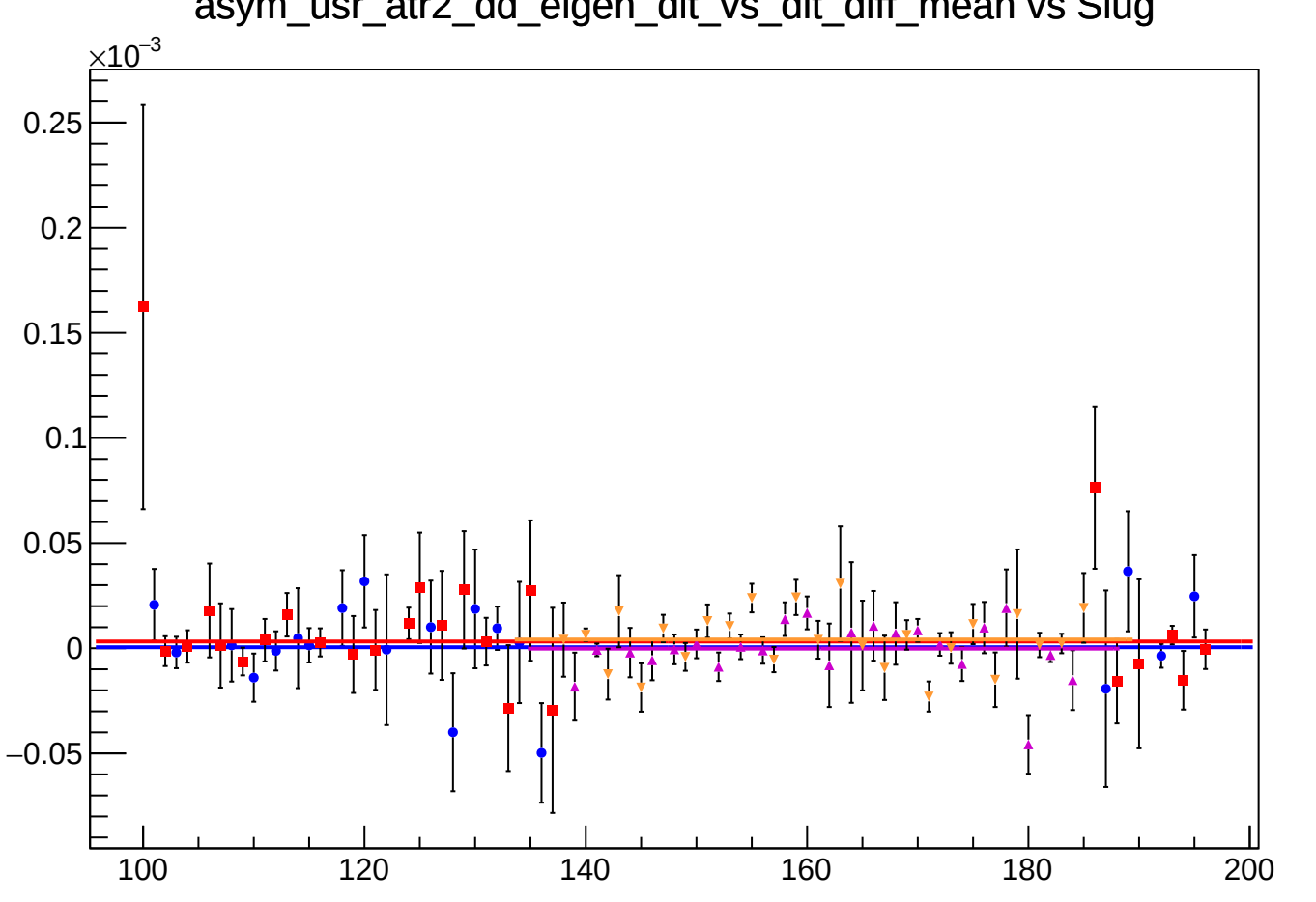
Right Out: 123.666+/-0.030 χ^2/NDF: 4479755.6/24

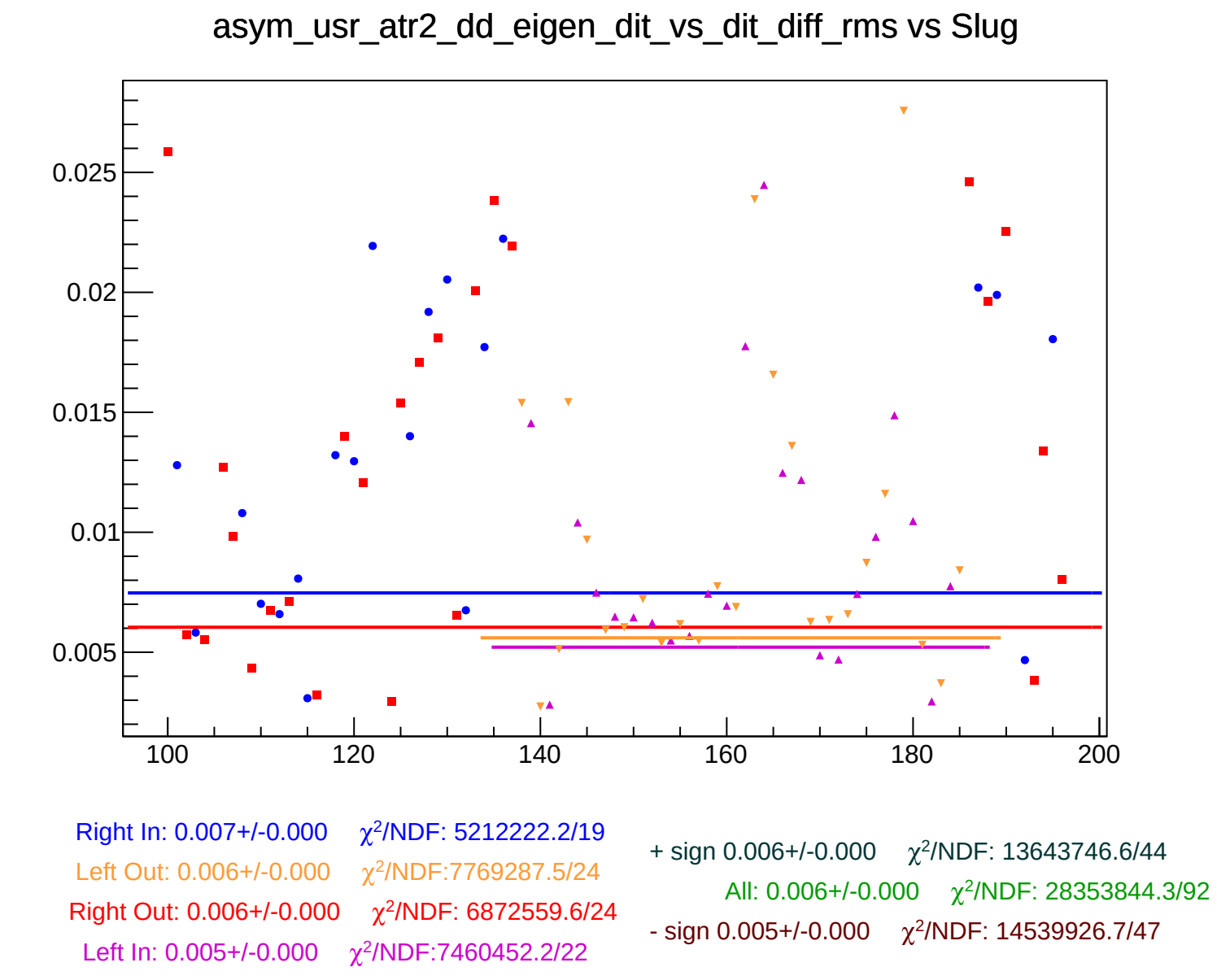
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.765+/-0.027 χ^2/NDF: 7290103.7/44

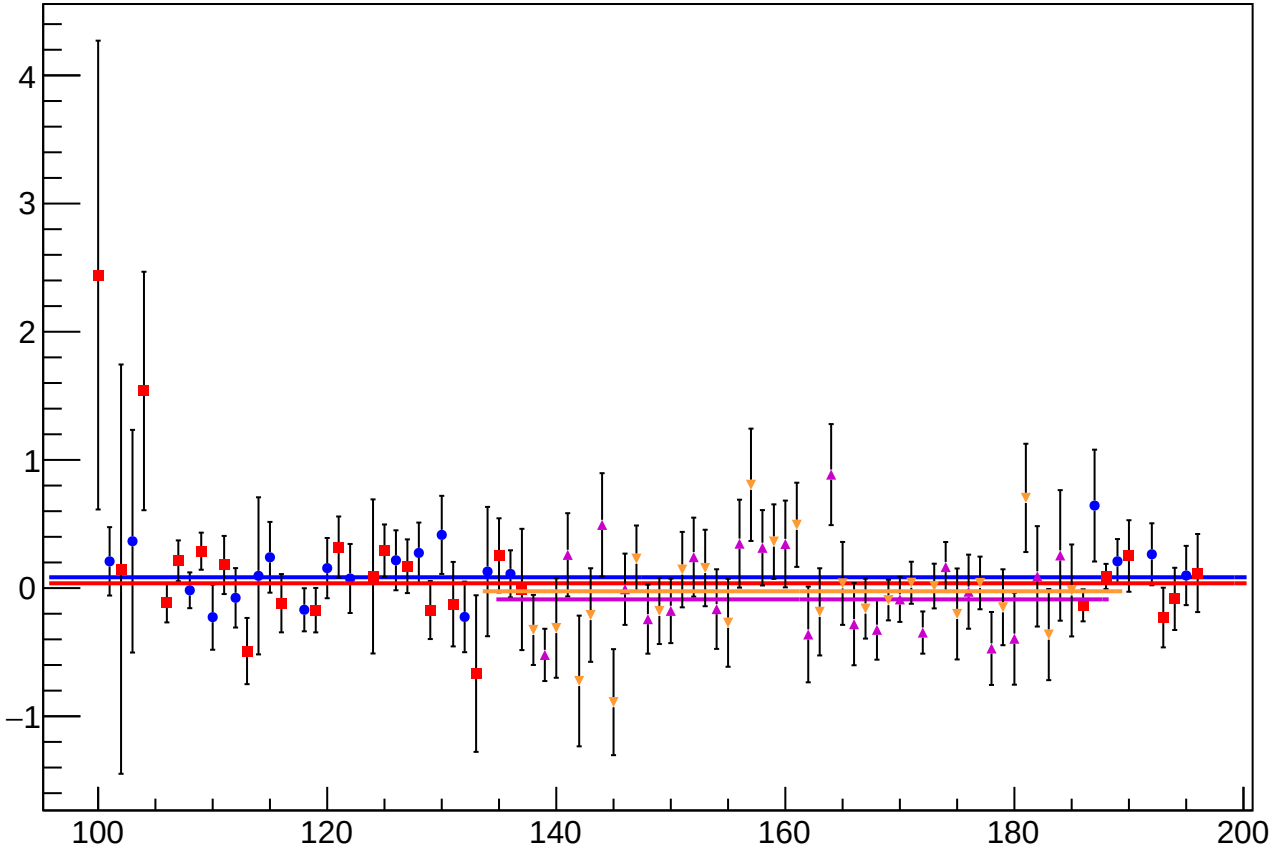
All: 172.742+/-0.018 χ^2/NDF: 19194107.7/92

- sign 160.929+/-0.024 χ^2/NDF: 11349882.2/47


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.1/19
Left Out: 0.000+/-0.000 χ²/NDF:48.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.6/24
Left In: -0.000+/-0.000 χ²/NDF:30.1/22
+ sign 0.000+/-0.000 χ²/NDF: 68.2/44
All: 0.000+/-0.000 χ²/NDF: 121.7/92
- sign 0.000+/-0.000 χ²/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: 0.007+/-0.000 χ²/NDF: 5212222.2/19
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: 13643746.6/44
All: 0.006+/-0.000 χ²/NDF: 28353844.3/92
- sign 0.005+/-0.000 χ²/NDF: 14539926.7/47

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

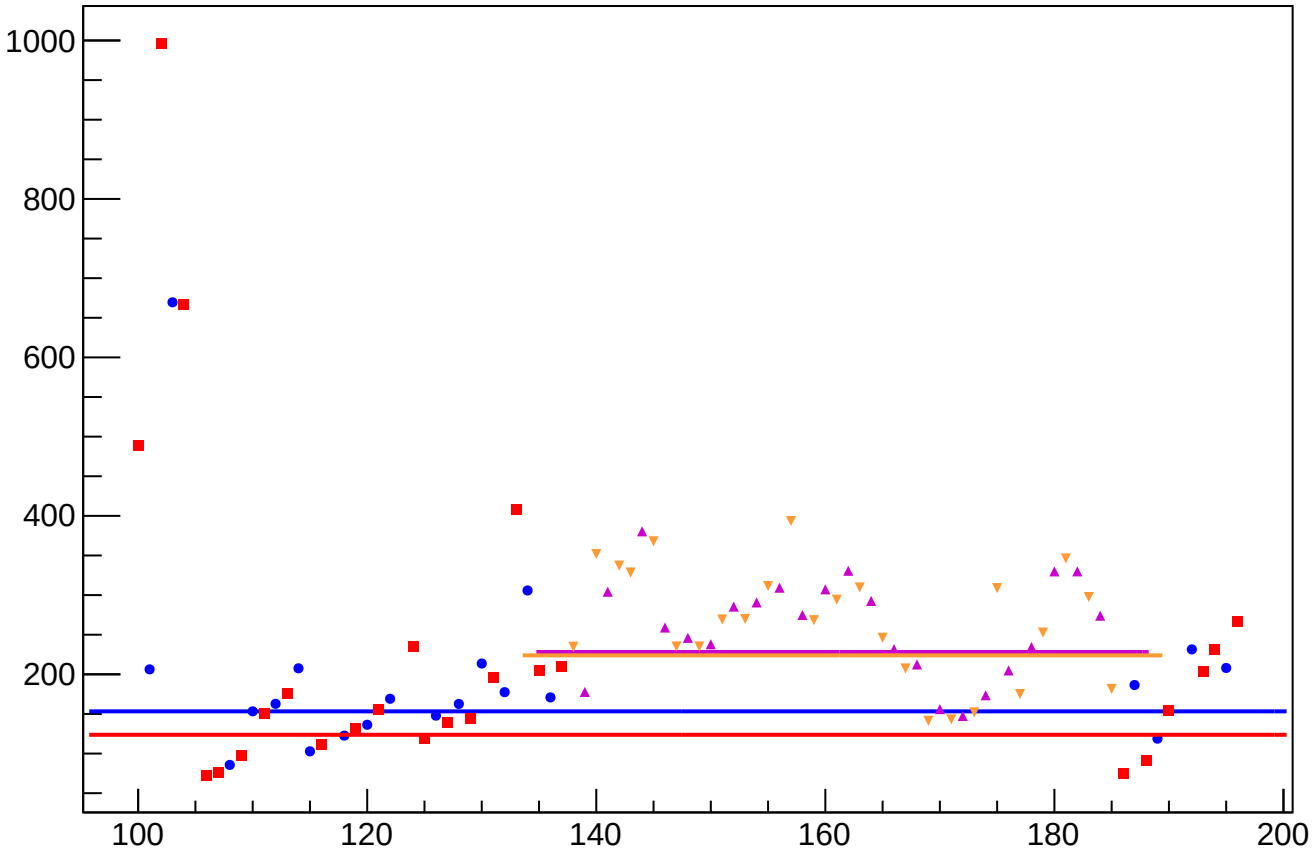
Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.038 χ^2/NDF: 37.8/44

All: 0.010+/-0.025 χ^2/NDF: 98.4/92

- sign -0.007+/-0.034 χ^2/NDF: 60.0/47



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

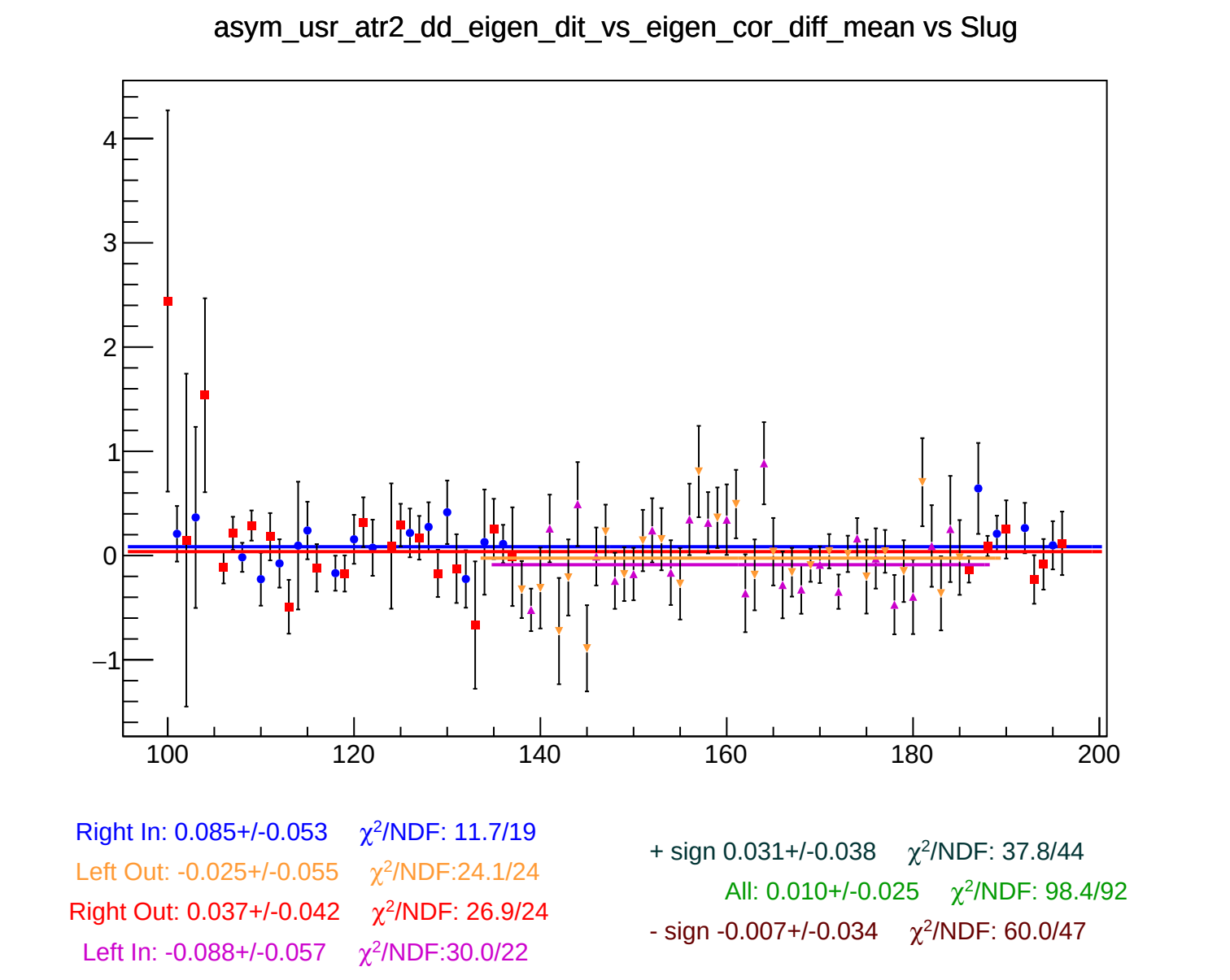
Right Out: 123.671+/-0.030 χ^2/NDF: 4479352.1/24

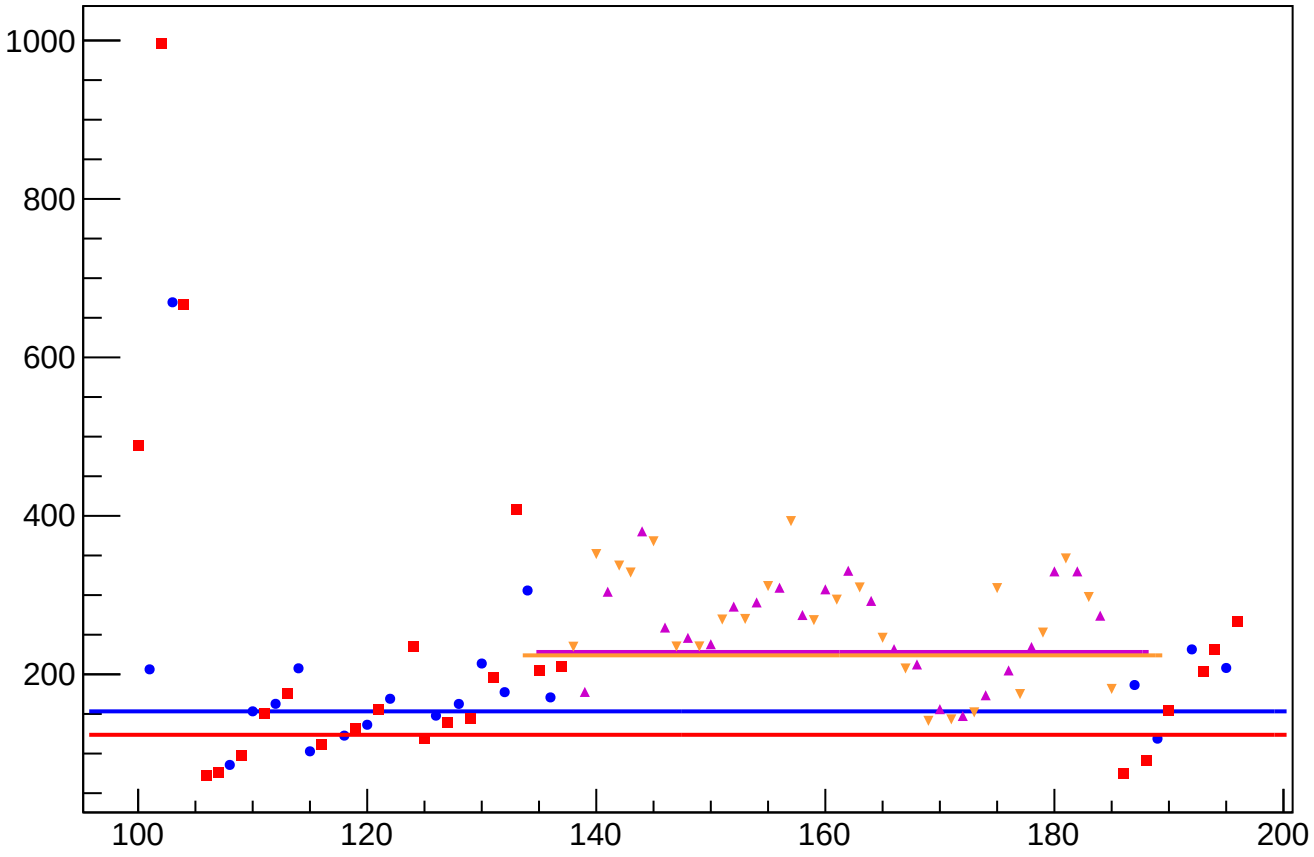
Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.763+/-0.027 χ^2/NDF: 7290583.1/44

All: 172.744+/-0.018 χ^2/NDF: 19193547.0/92

- sign 160.933+/-0.024 χ^2/NDF: 11349123.4/47


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.085+/-0.053 χ²/NDF: 11.7/19
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 0.031+/-0.038 χ²/NDF: 37.8/44
All: 0.010+/-0.025 χ²/NDF: 98.4/92
- sign -0.007+/-0.034 χ²/NDF: 60.0/47



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

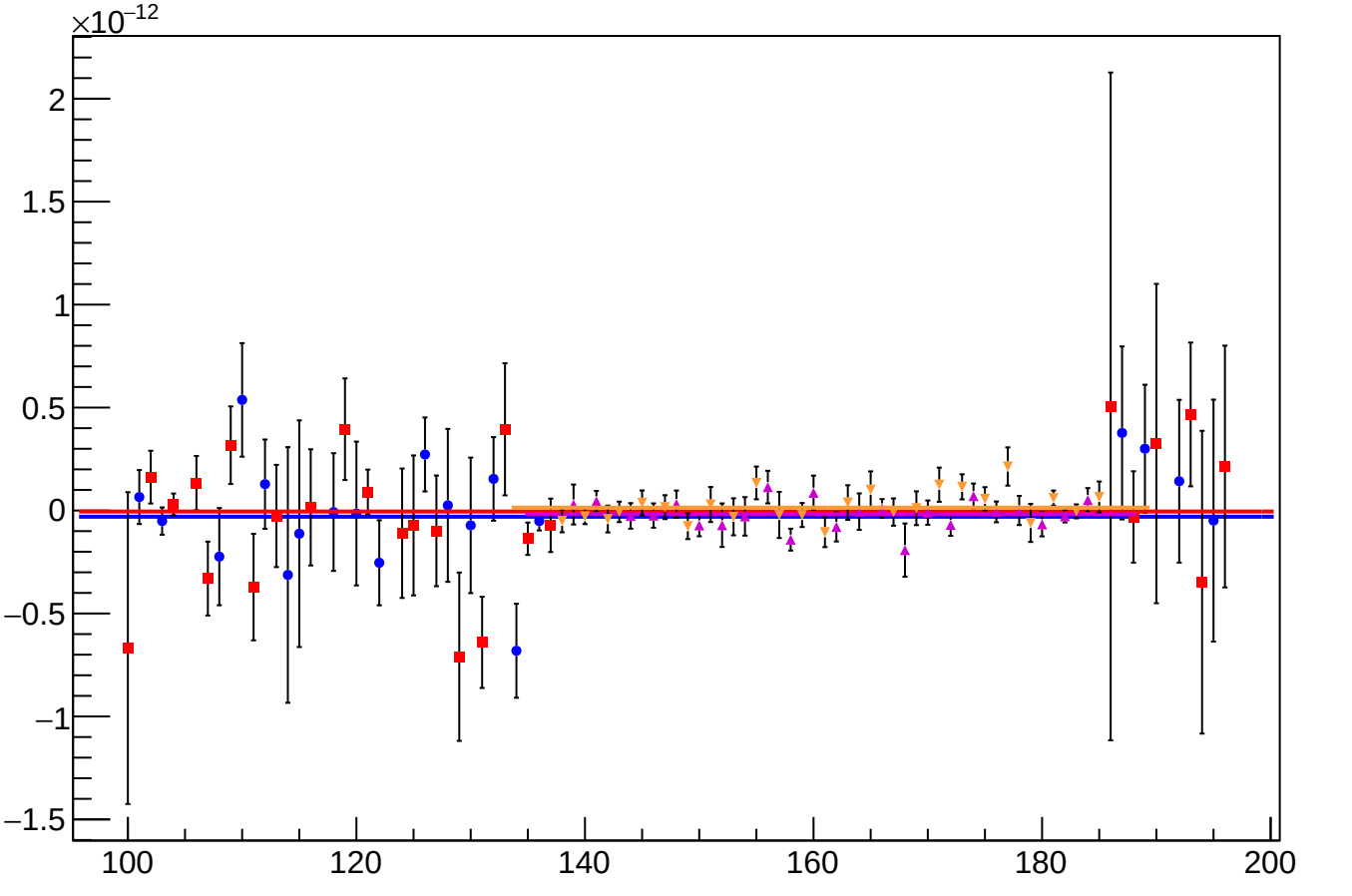
Right Out: 123.671+/-0.030 χ^2/NDF: 4479352.1/24

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.763+/-0.027 χ^2/NDF: 7290583.1/44

All: 172.744+/-0.018 χ^2/NDF: 19193547.0/92

- sign 160.933+/-0.024 χ^2/NDF: 11349123.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

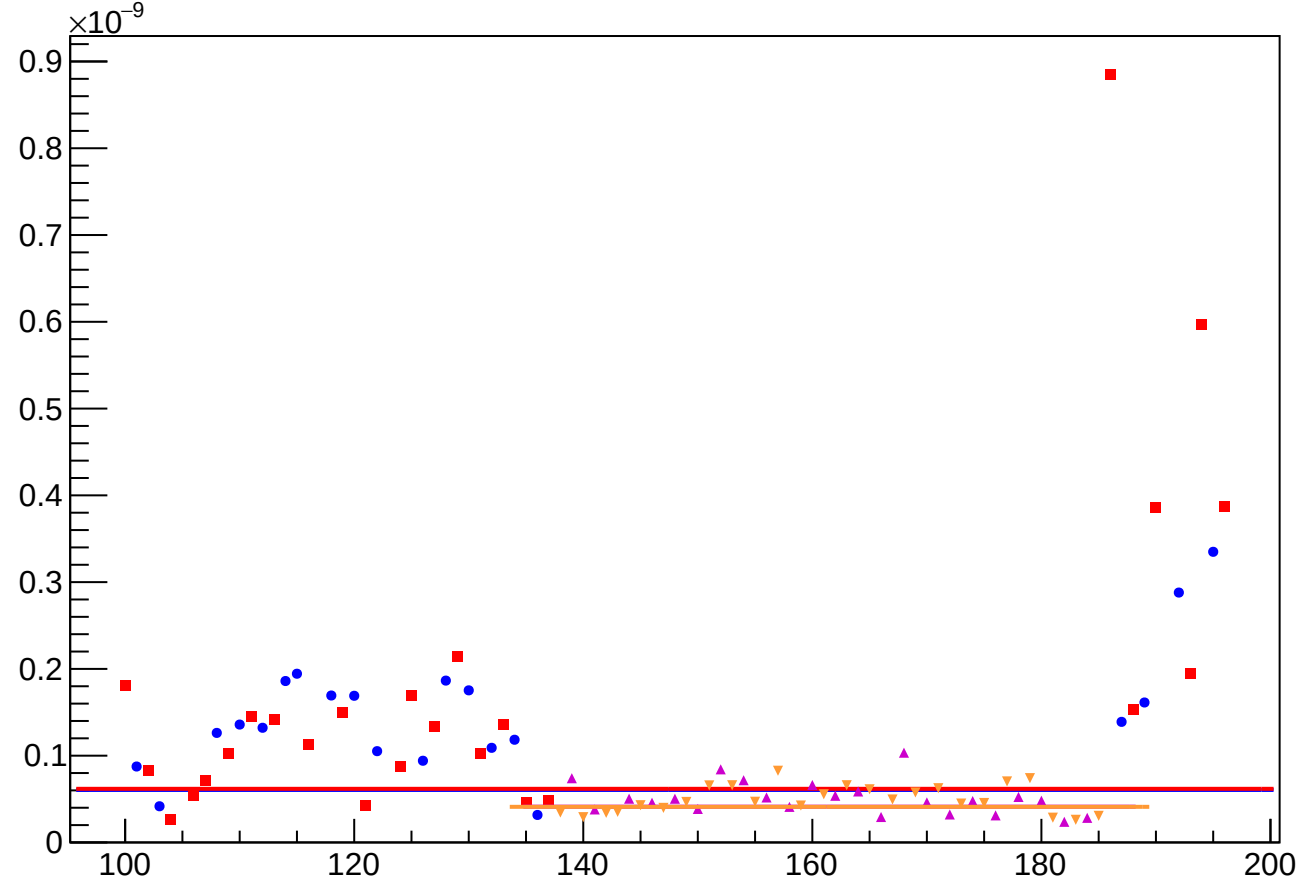
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/24

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/44

All: -0.000+/-0.000 χ^2/NDF: 107.1/92

- sign -0.000+/-0.000 χ^2/NDF: 56.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 4520362.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5971347.0/24

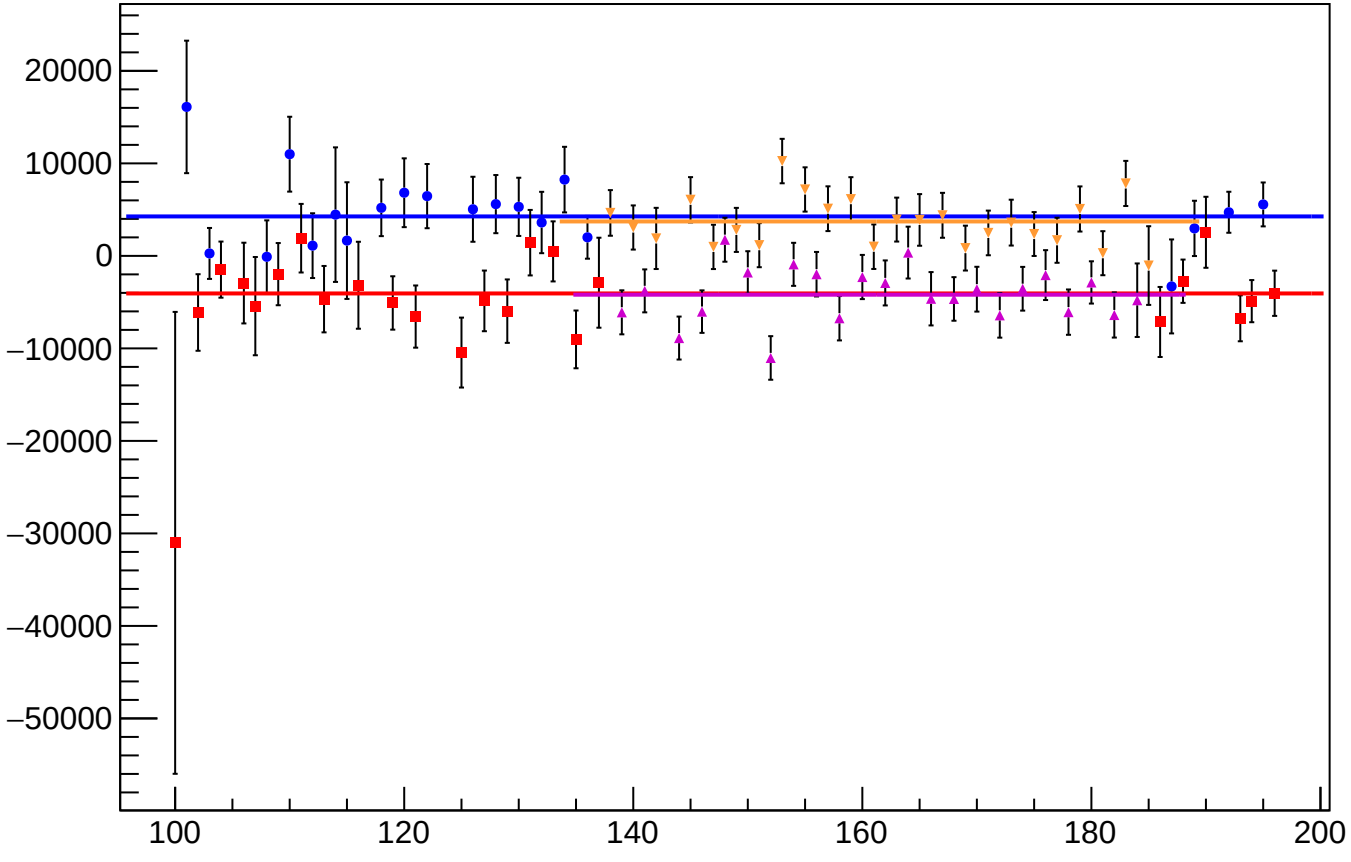
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 7821094.7/44

All: 0.000+/-0.000 χ^2/NDF: 17389145.5/92

\- sign 0.000+/-0.000 χ^2/NDF: 9566438.8/47

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4265.244+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4061.174+/-680.427 χ^2/NDF: 21.4/23

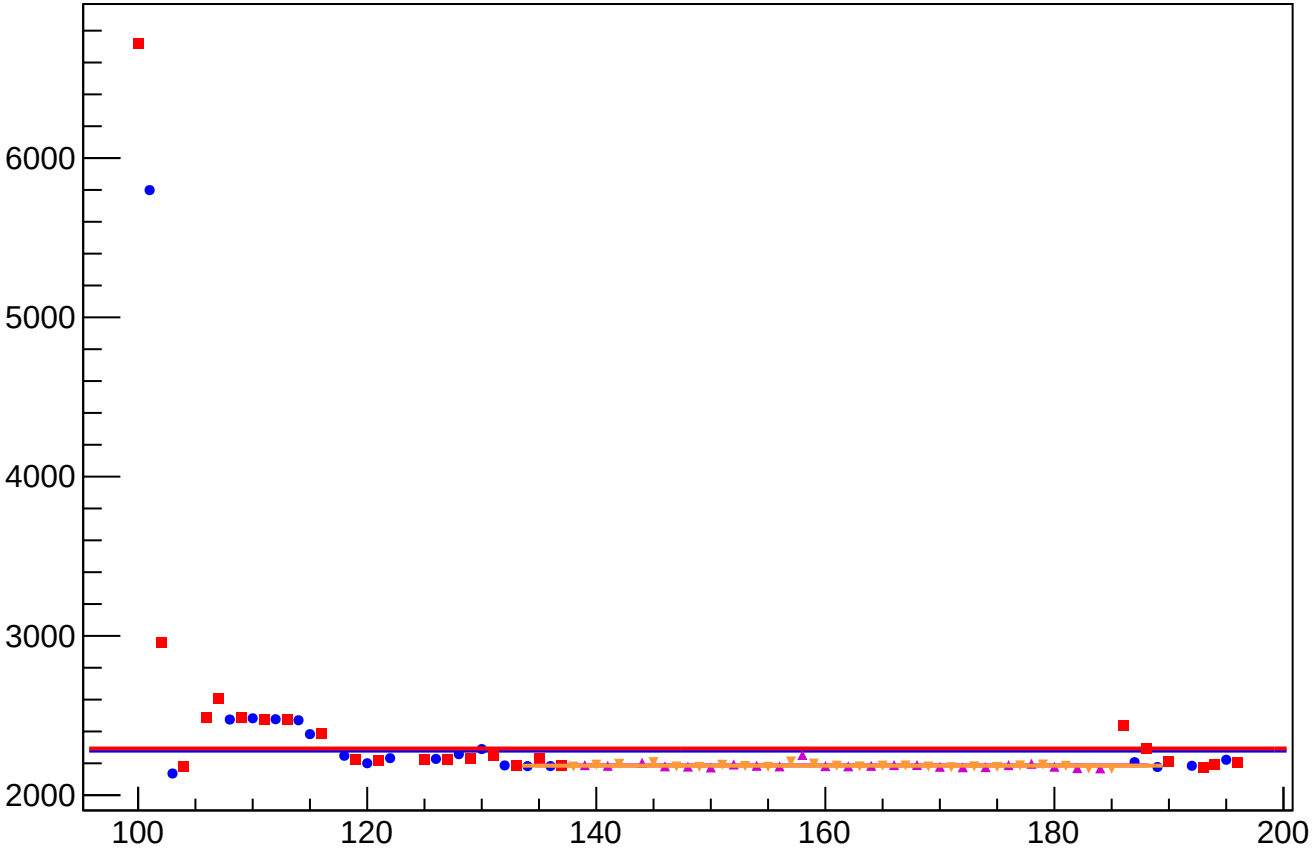
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.358+/-417.922 χ^2/NDF: 41.9/43

All: -217.821+/-292.086 χ^2/NDF: 285.0/90

- sign -4147.394+/-408.388 χ^2/NDF: 53.6/46

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.1/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

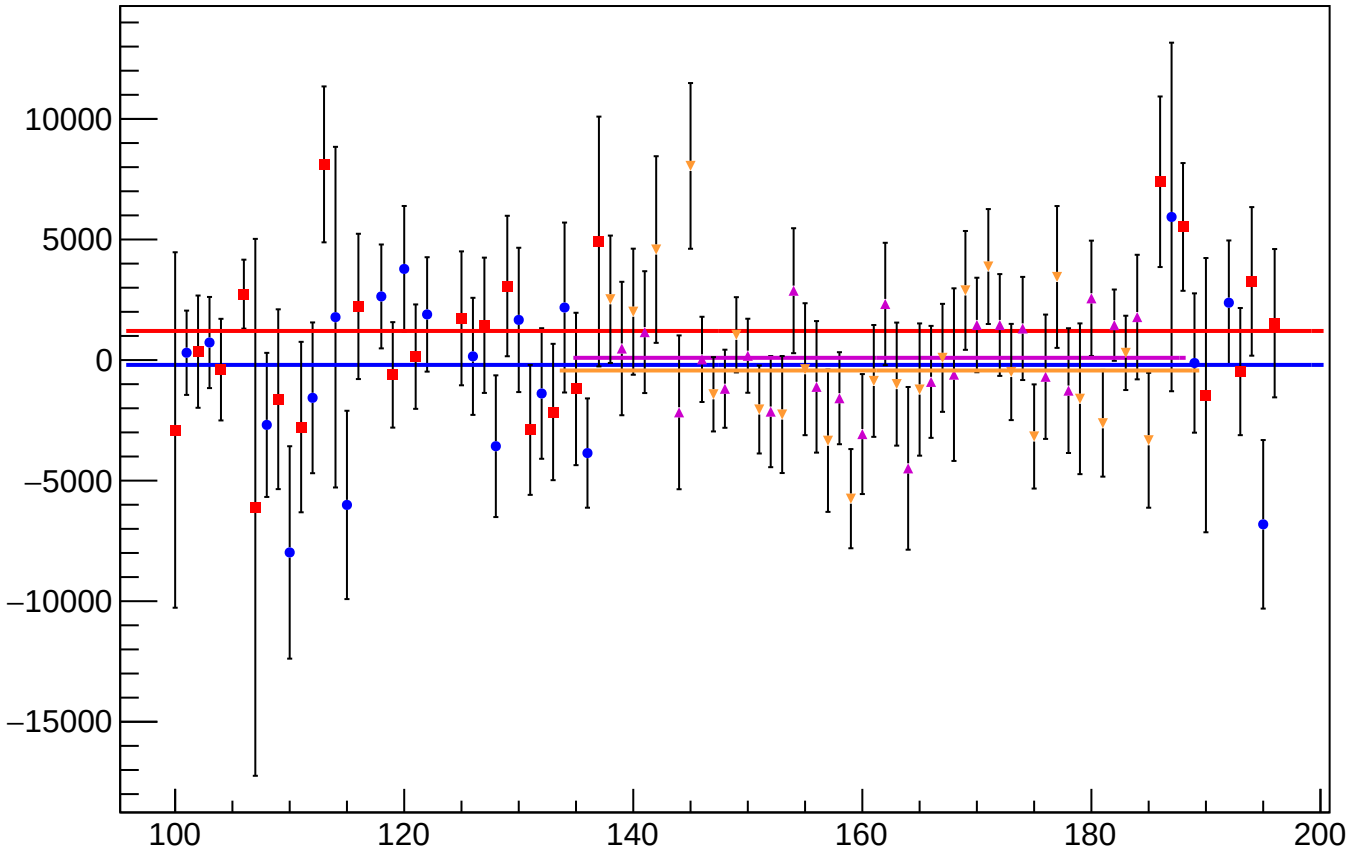
Right Out: 2292.877+/-0.481 χ^2/NDF: 169689.4/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546135.6/43

All: 2220.353+/-0.207 χ^2/NDF: 749544.0/90

- sign 2224.978+/-0.289 χ^2/NDF: 202883.3/46



Right In: -200.580+/-611.058 χ^2/NDF: 21.7/19

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

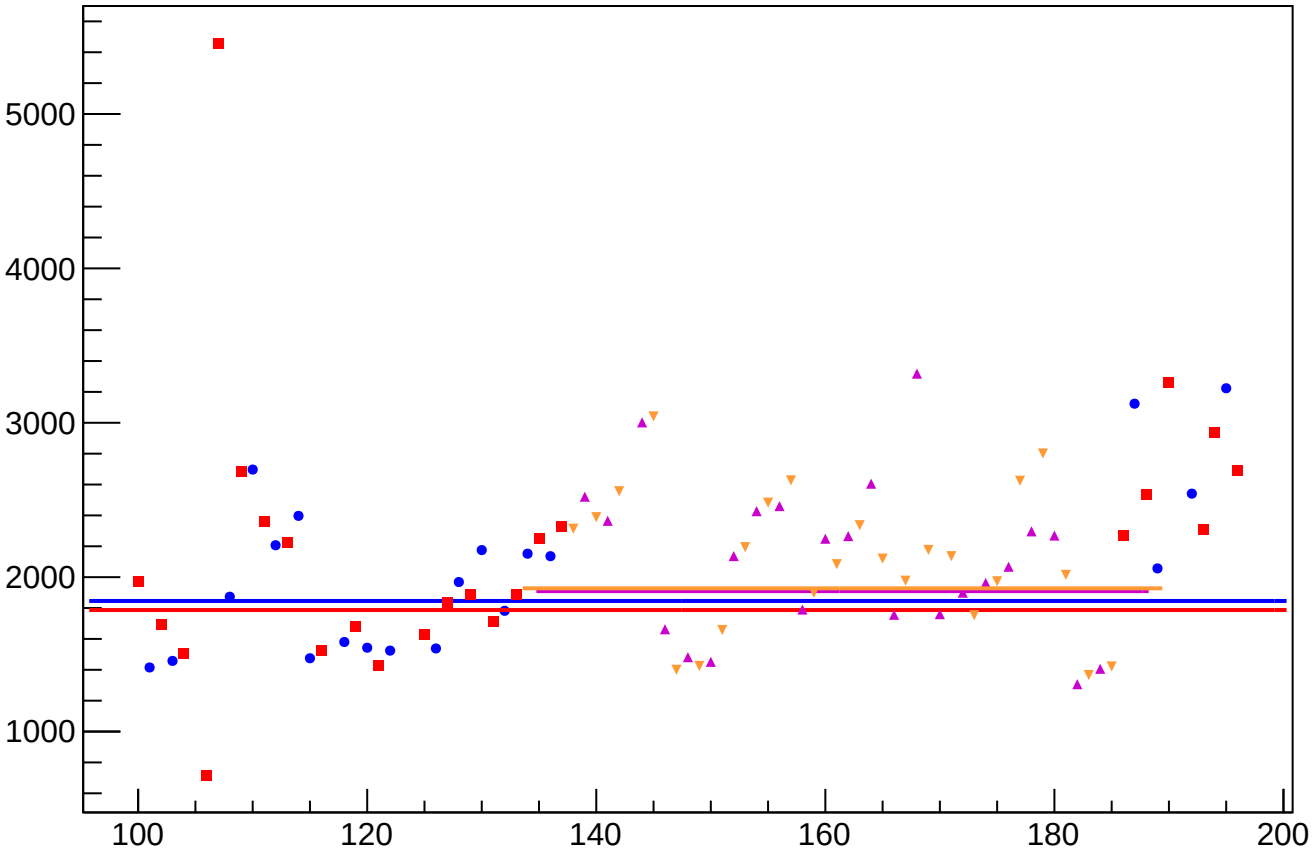
Right Out: 1206.710+/-568.969 χ^2/NDF: 22.1/23

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign -347.921+/-368.719 χ^2/NDF: 53.1/43

All: 105.896+/-256.861 χ^2/NDF: 93.3/90

\- sign 533.781+/-358.030 χ^2/NDF: 37.2/46



Right In: 1845.894+/-0.432 χ^2/NDF: 1069402.2/19

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1787.138+/-0.402 χ^2/NDF: 2602581.0/23

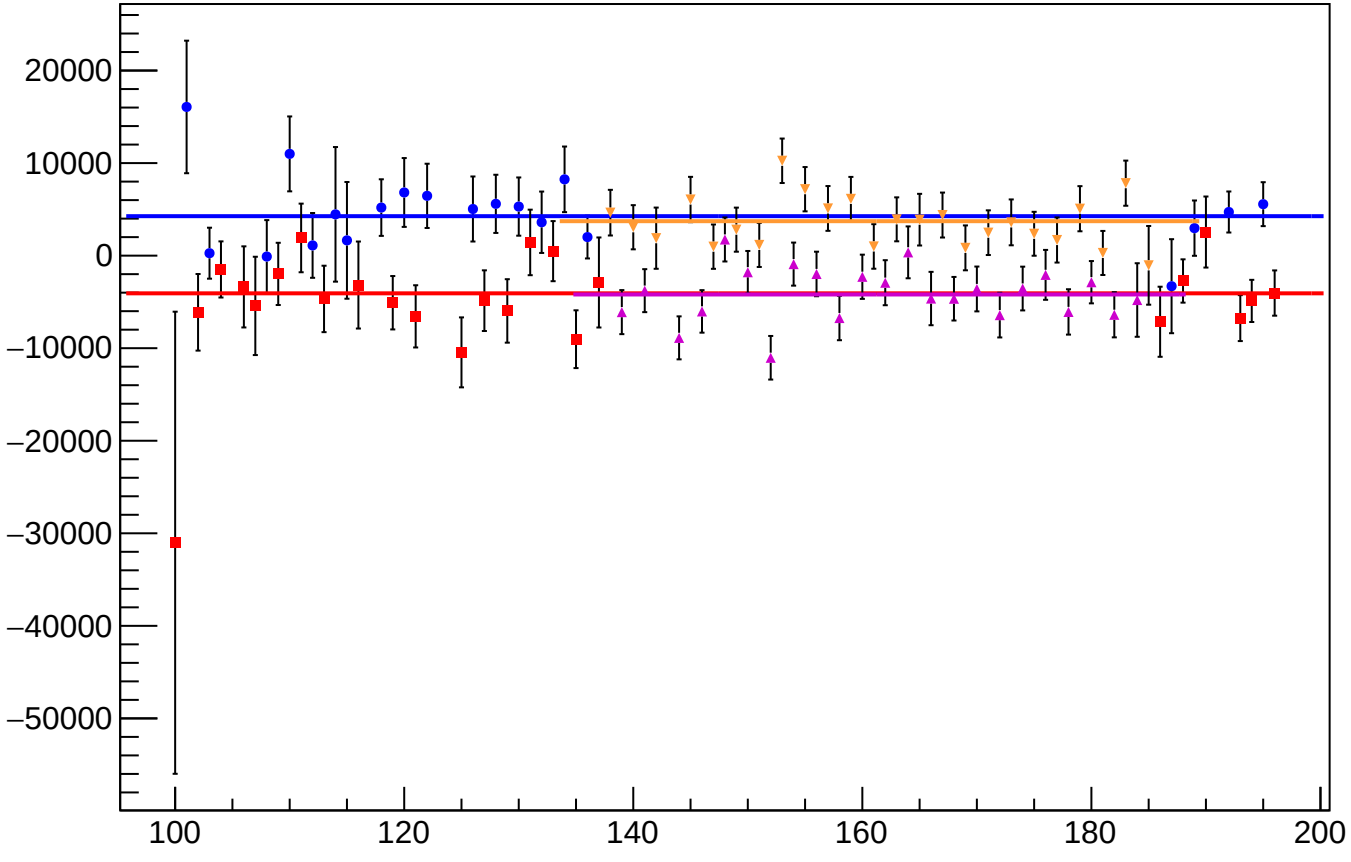
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1897.889+/-0.261 χ^2/NDF: 2890557.2/43

All: 1878.962+/-0.182 χ^2/NDF: 7501617.9/90

- sign 1861.116+/-0.253 χ^2/NDF: 4600822.0/46

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4264.801+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4072.261+/-680.498 χ^2/NDF: 21.4/23

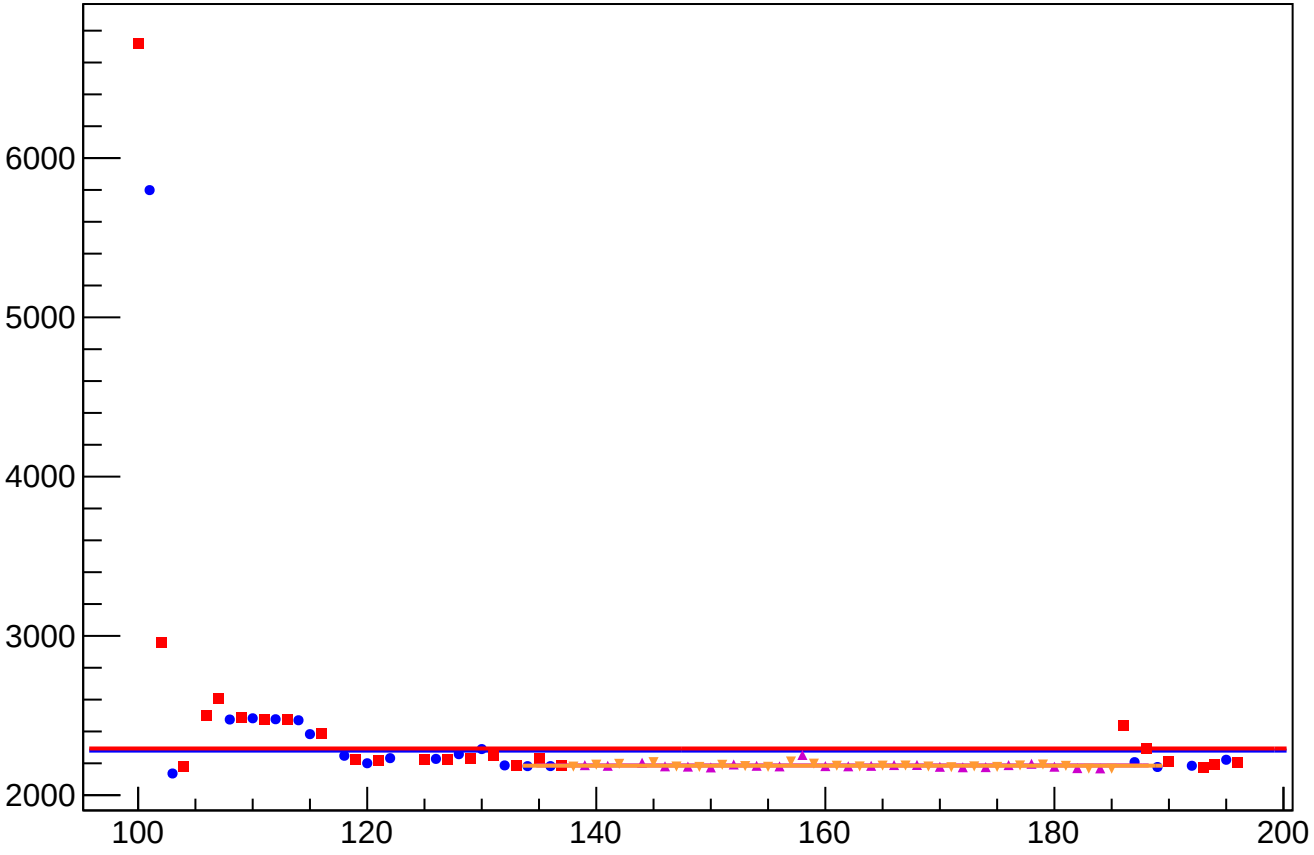
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.179+/-417.922 χ^2/NDF: 41.9/43

All: -219.840+/-292.092 χ^2/NDF: 285.2/90

- sign -4151.470+/-408.404 χ^2/NDF: 53.5/46

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.5/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

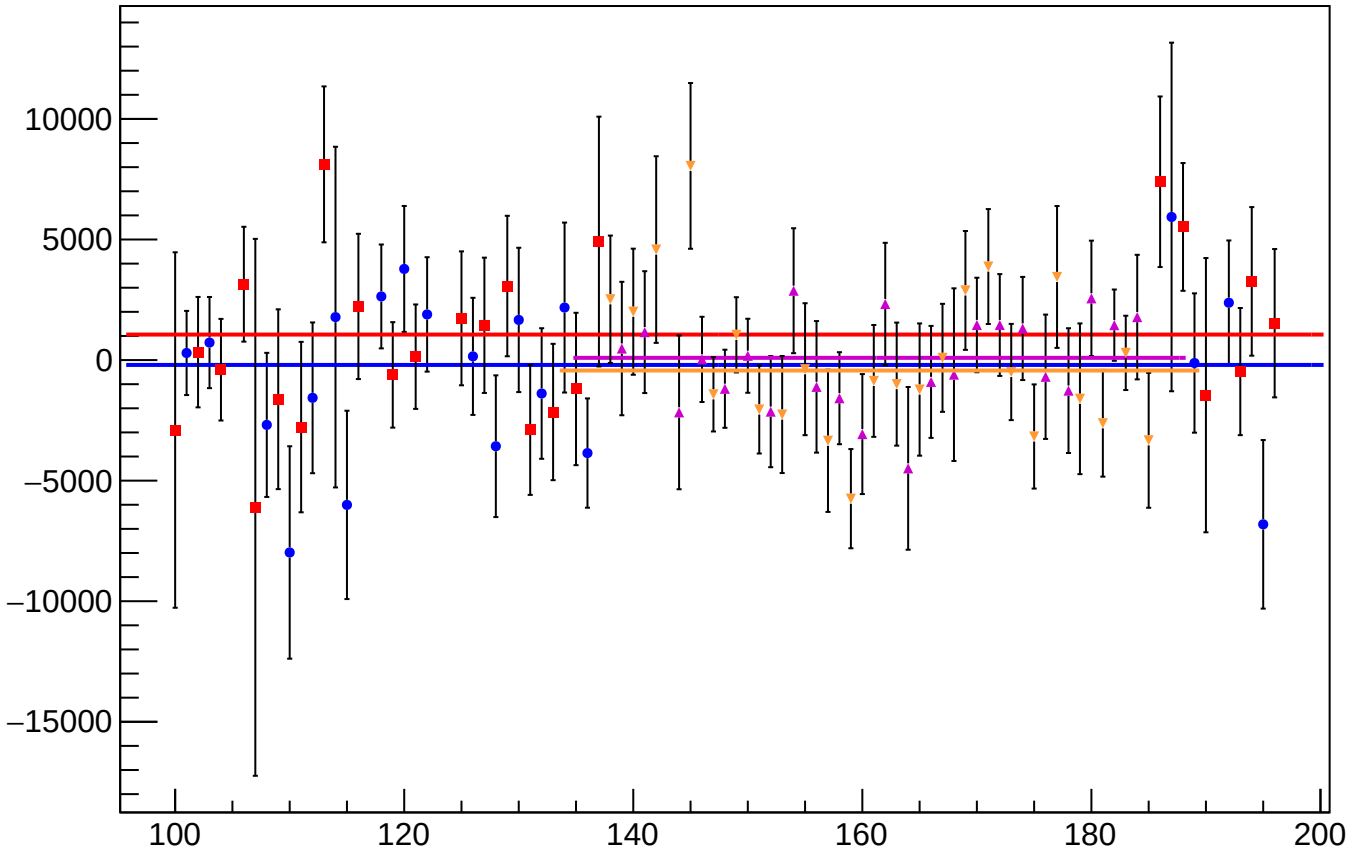
Right Out: 2293.094+/-0.481 χ^2/NDF: 170106.9/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546136.0/43

All: 2220.390+/-0.207 χ^2/NDF: 750093.6/90

- sign 2225.051+/-0.289 χ^2/NDF: 203424.3/46



Right In: -201.477+/-610.955 χ^2/NDF: 21.7/19

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

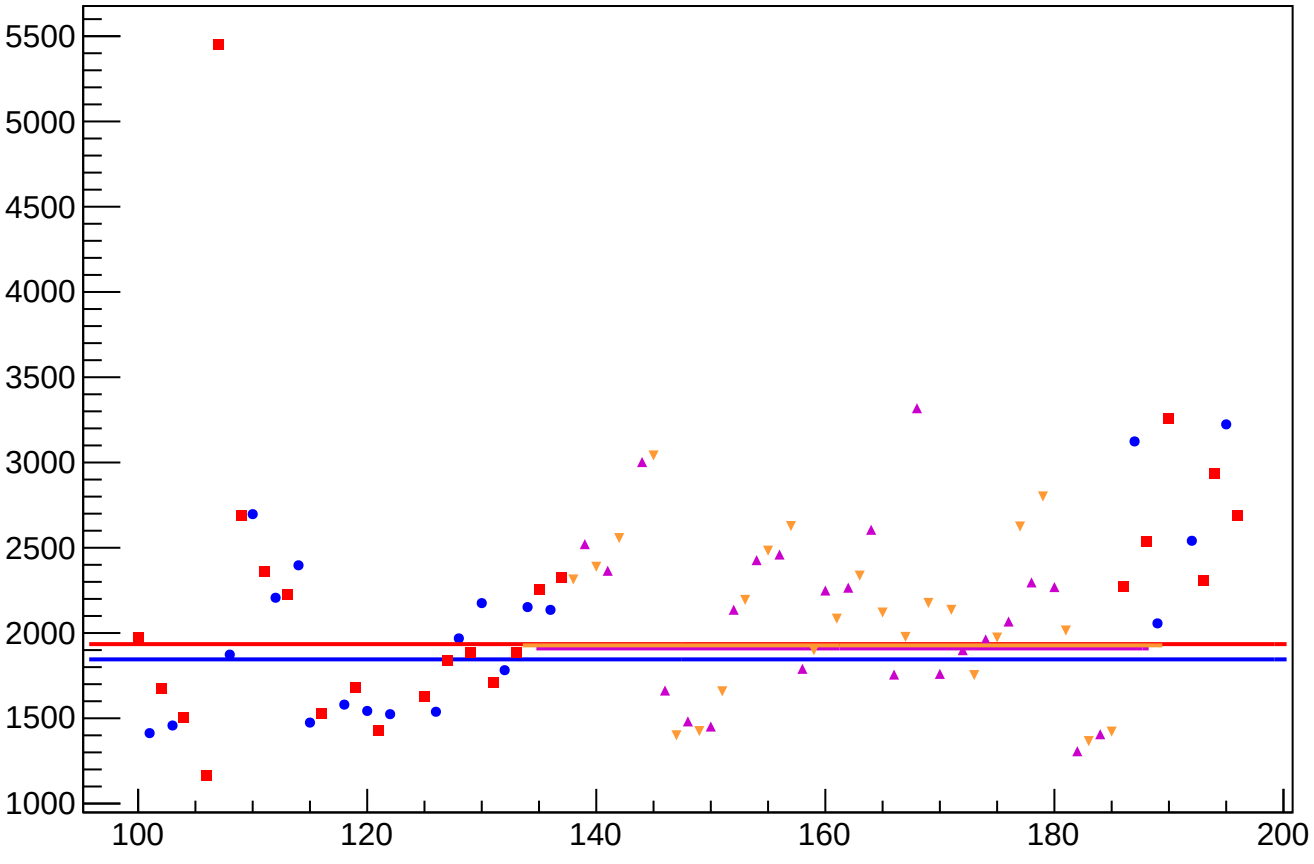
Right Out: 1057.577+/-599.515 χ^2/NDF: 21.6/23

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -348.251+/-368.696 χ^2/NDF: 53.1/43

All: 55.012+/-259.493 χ^2/NDF: 91.5/90

- sign 450.846+/-365.284 χ^2/NDF: 36.0/46



Right In: 1845.520+/-0.432 χ^2/NDF: 1070825.2/19

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

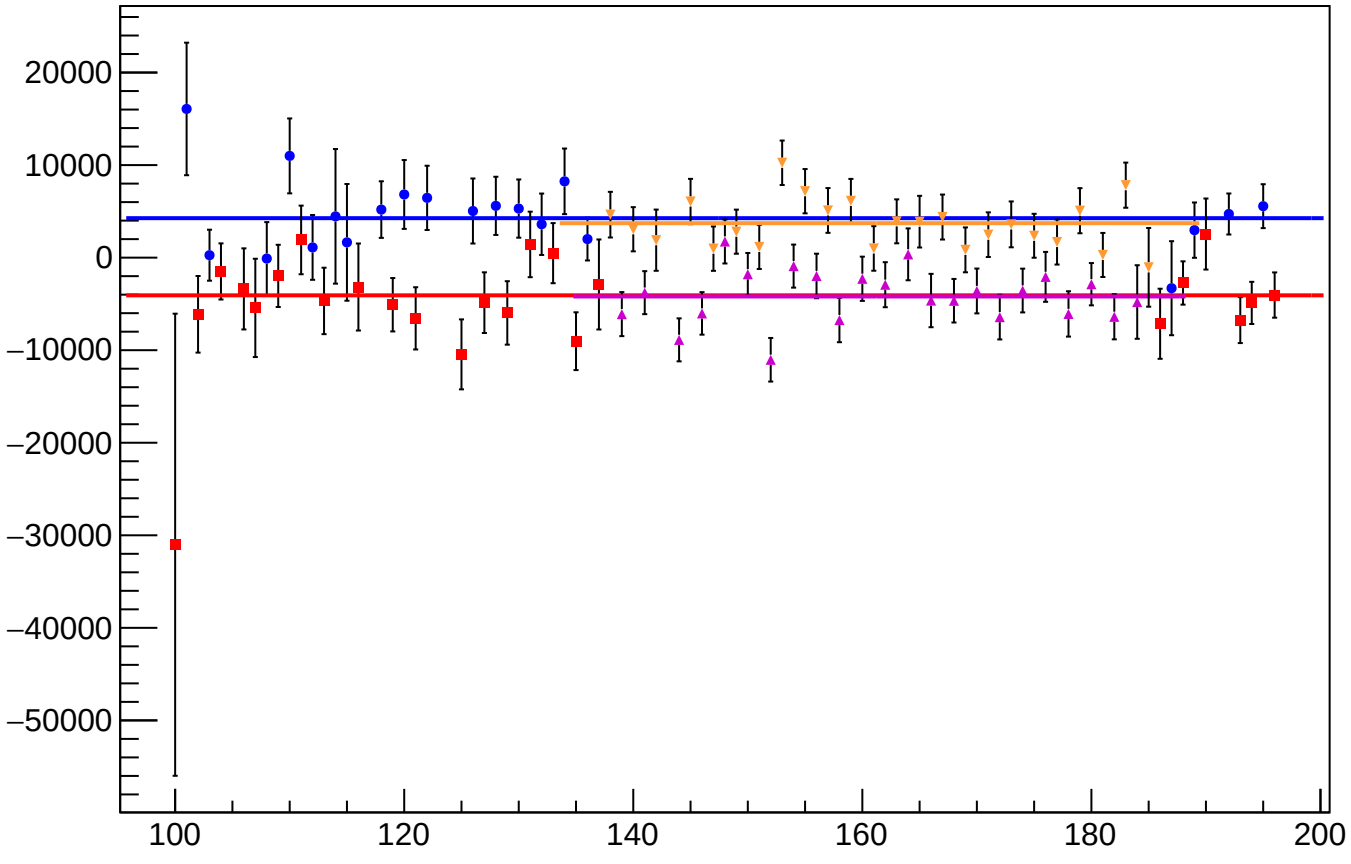
Right Out: 1934.913+/-0.424 χ^2/NDF: 1493150.6/23

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1897.745+/-0.261 χ^2/NDF: 2892217.5/43

All: 1908.476+/-0.183 χ^2/NDF: 6333250.4/90

- sign 1919.009+/-0.258 χ^2/NDF: 3437676.0/46



Right In: 4264.801+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

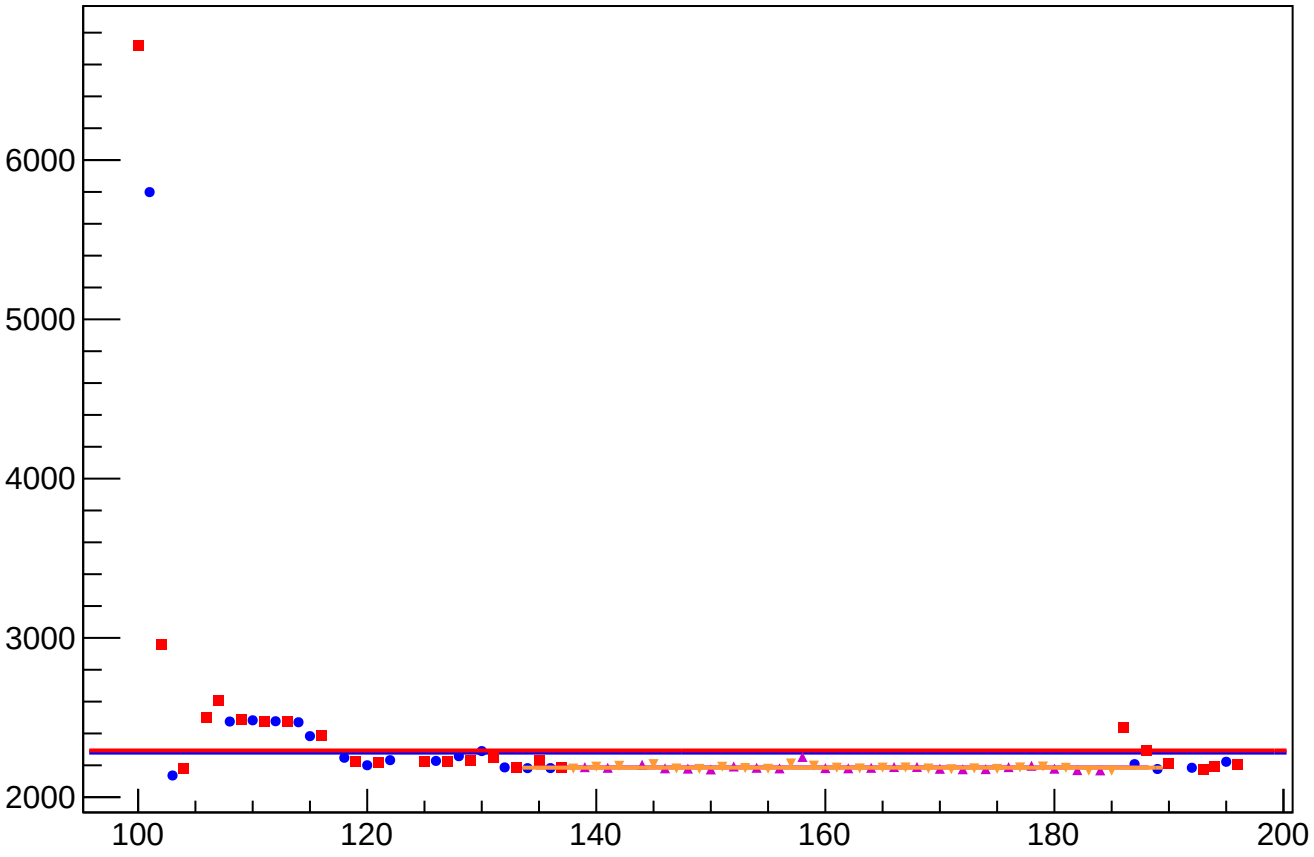
Right Out: -4072.261+/-680.498 χ^2/NDF: 21.4/23

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.179+/-417.922 χ^2/NDF: 41.9/43

All: -219.840+/-292.092 χ^2/NDF: 285.2/90

- sign -4151.470+/-408.404 χ^2/NDF: 53.5/46



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.5/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

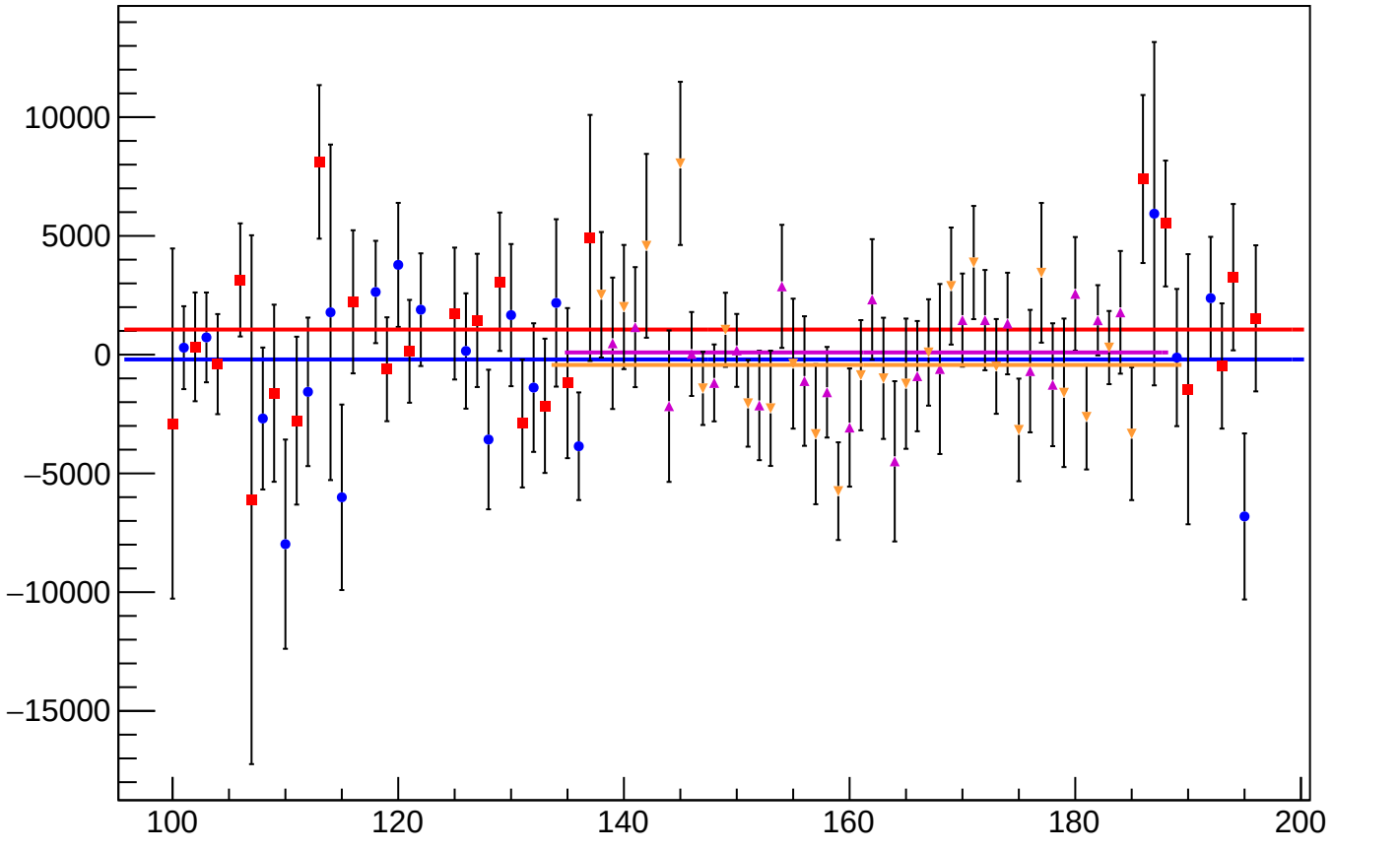
Right Out: 2293.094+/-0.481 χ^2/NDF: 170106.9/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546136.0/43

All: 2220.390+/-0.207 χ^2/NDF: 750093.6/90

- sign 2225.051+/-0.289 χ^2/NDF: 203424.3/46



Right In: -201.477+/-610.955 χ^2/NDF: 21.7/19

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

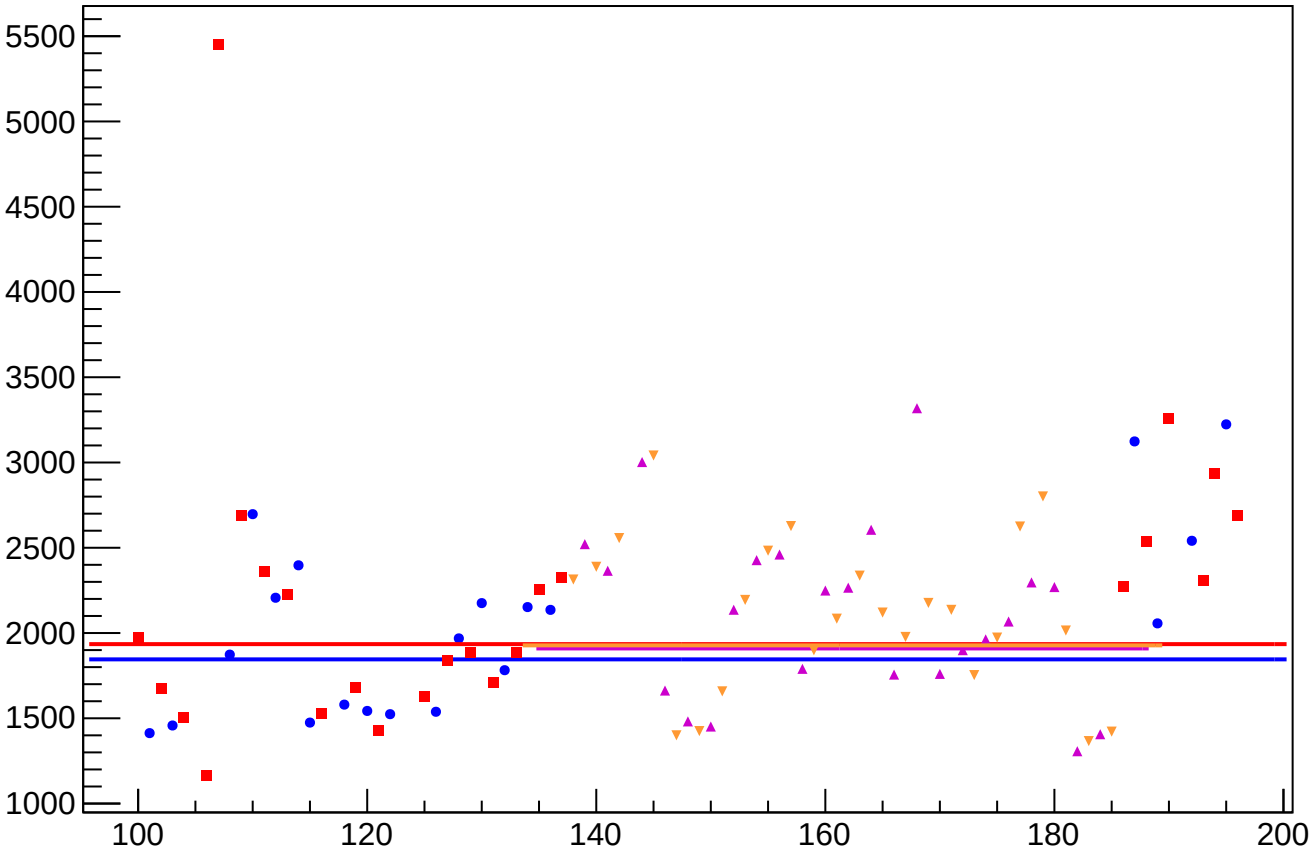
Right Out: 1057.577+/-599.515 χ^2/NDF: 21.6/23

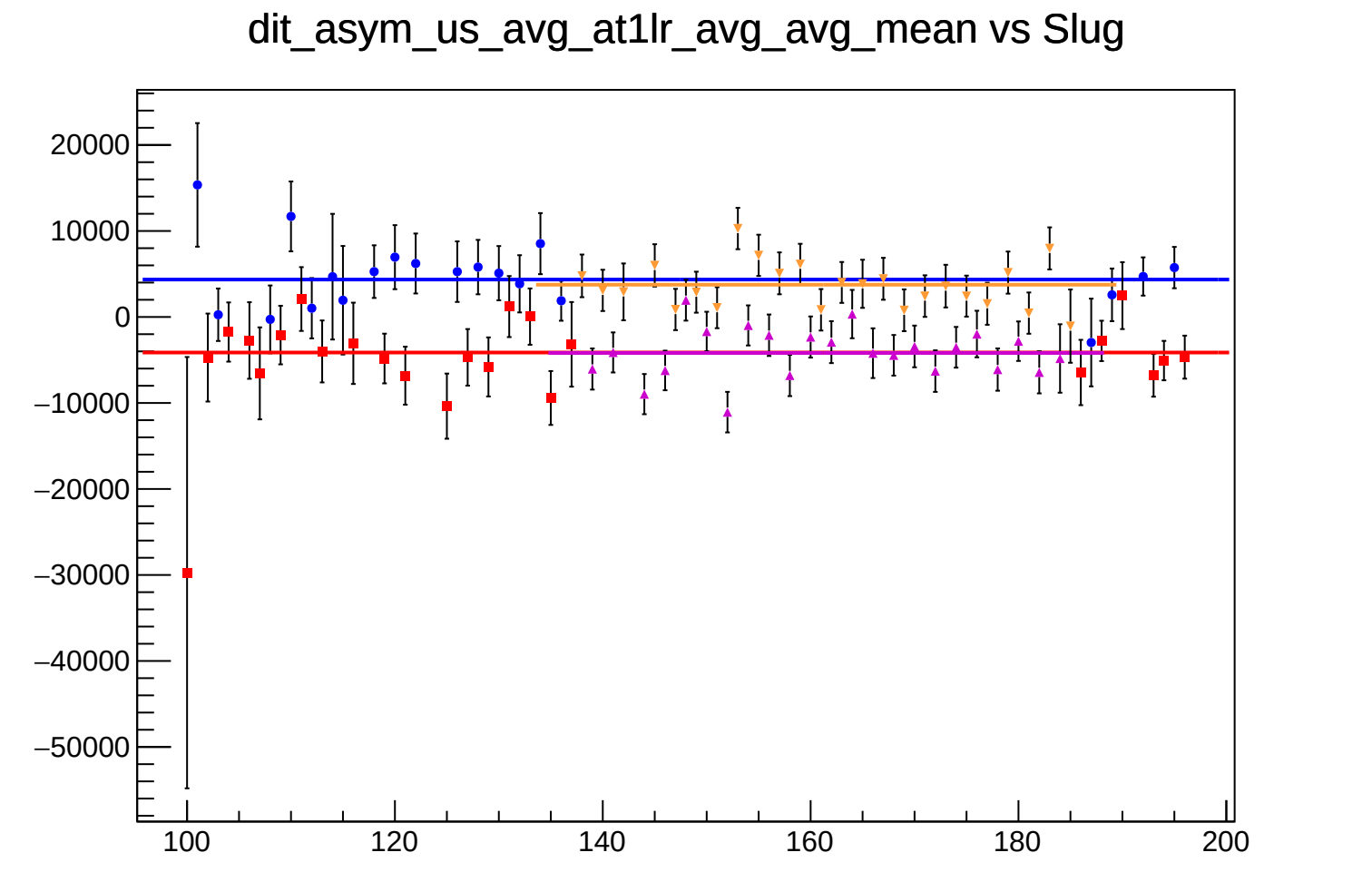
Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

\+ sign -348.251+/-368.696 χ^2/NDF: 53.1/43

All: 55.012+/-259.493 χ^2/NDF: 91.5/90

\- sign 450.846+/-365.284 χ^2/NDF: 36.0/46


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1845.520+/-0.432 χ²/NDF: 1070825.2/19
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1934.913+/-0.424 χ²/NDF: 1493150.6/23
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
+ sign 1897.745+/-0.261 χ²/NDF: 2892217.5/43
All: 1908.476+/-0.183 χ²/NDF: 6333250.4/90
- sign 1919.009+/-0.258 χ²/NDF: 3437676.0/46



Right In: 4352.290+/-746.533 χ^2/NDF: 16.3/19

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4132.701+/-691.607 χ^2/NDF: 20.5/23

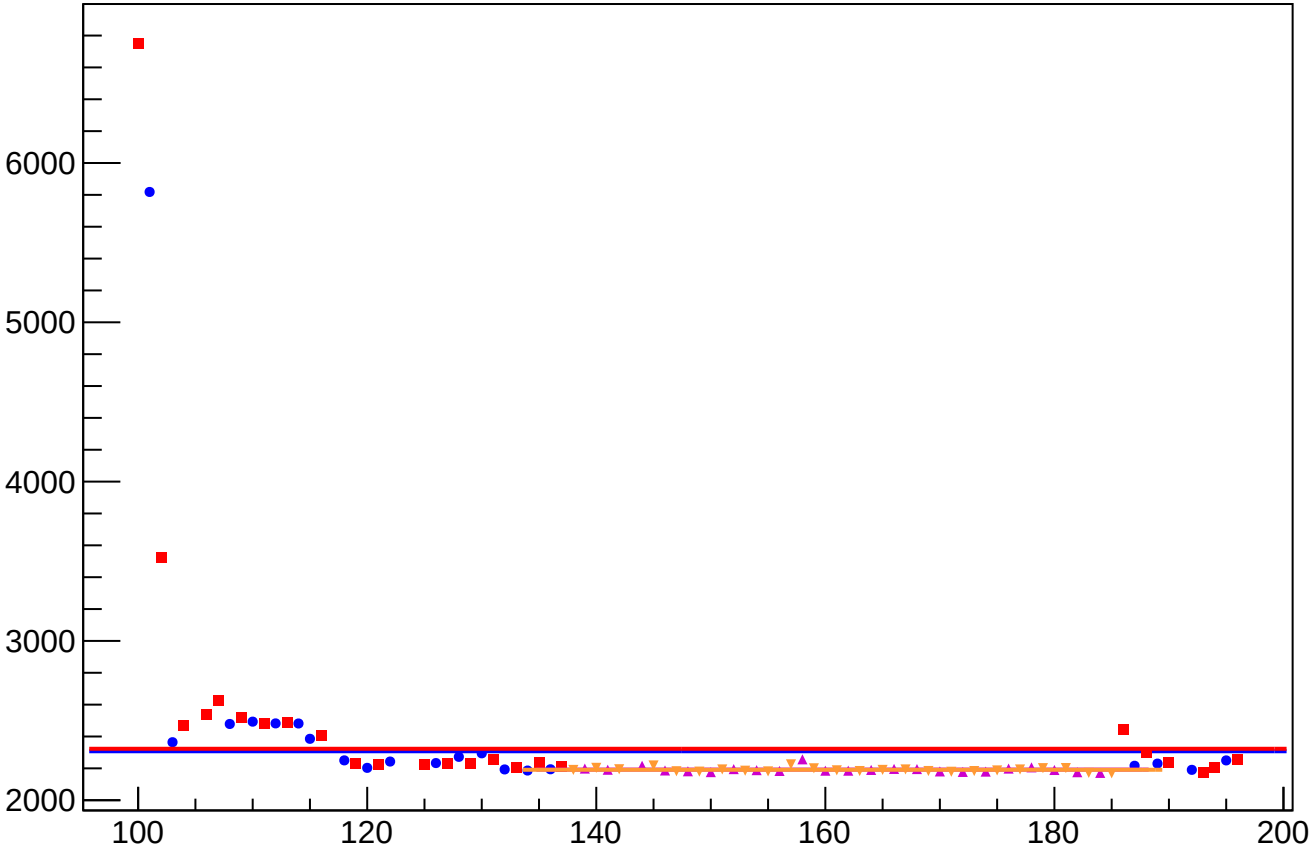
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3943.691+/-420.306 χ^2/NDF: 42.4/43

All: -197.621+/-294.015 χ^2/NDF: 285.7/90

- sign -4165.983+/-411.436 χ^2/NDF: 53.1/46

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2307.332+/-0.528 χ^2/NDF: 514659.7/19

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

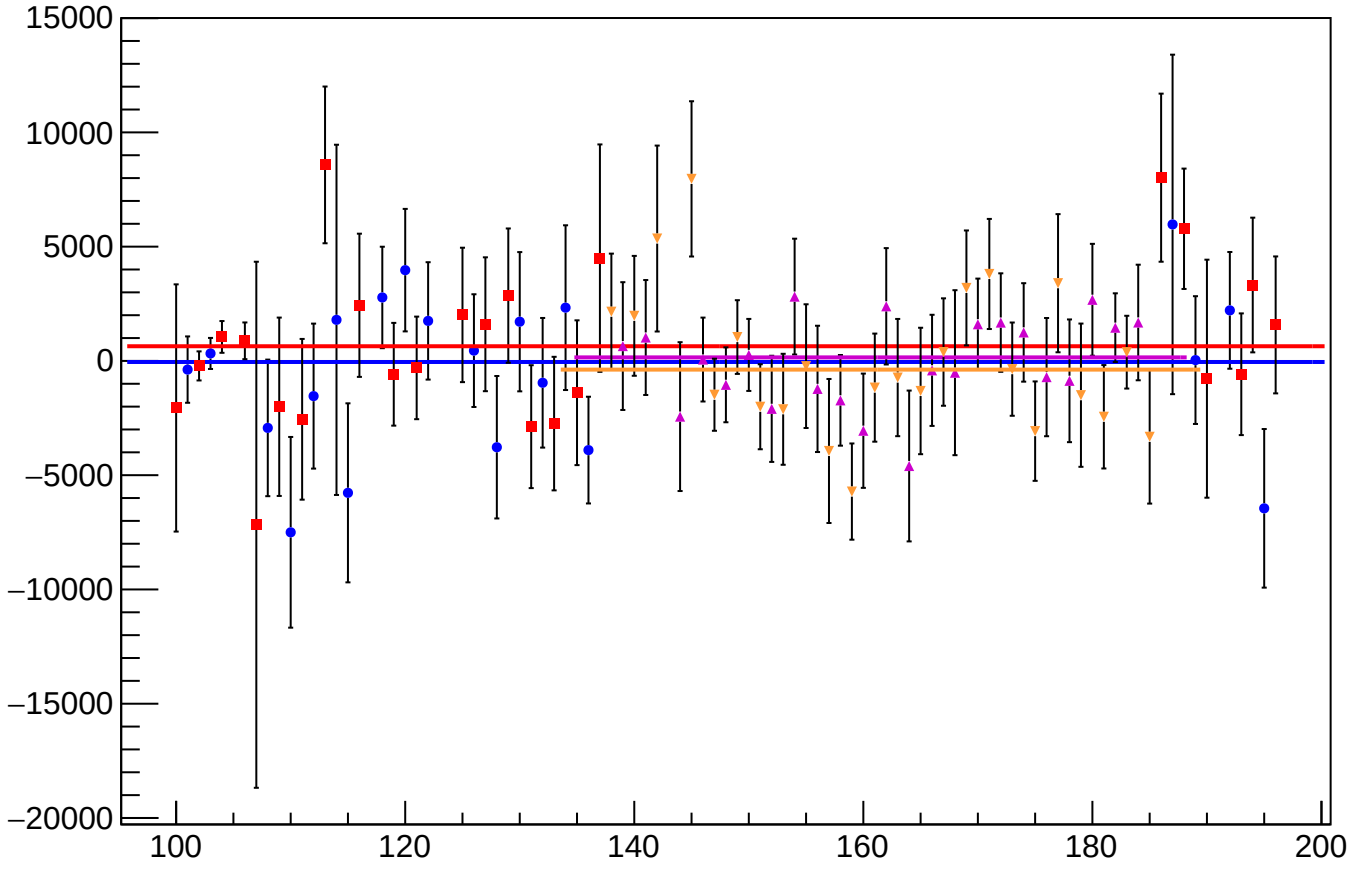
Right Out: 2322.953+/-0.489 χ^2/NDF: 232604.7/23

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.975+/-0.297 χ^2/NDF: 548976.4/43

All: 2233.337+/-0.208 χ^2/NDF: 830686.1/90

- sign 2238.475+/-0.291 χ^2/NDF: 281072.3/46



Right In: -46.857+/-464.842 χ^2/NDF: 21.2/19

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: 642.017+/-348.585 χ^2/NDF: 24.4/23

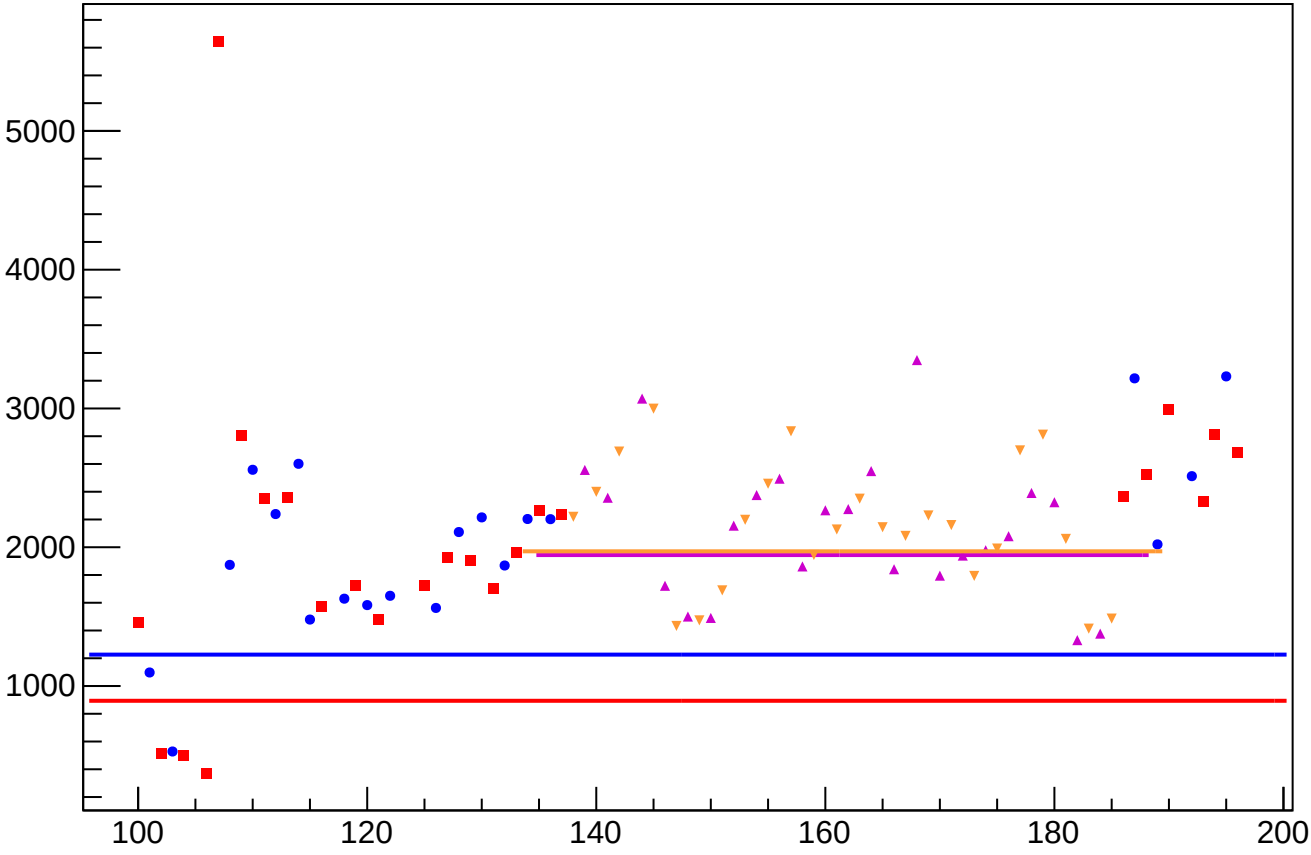
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -211.307+/-331.015 χ^2/NDF: 52.2/43

All: 185.228+/-213.580 χ^2/NDF: 92.6/90

\- sign 468.063+/-279.559 χ^2/NDF: 37.9/46

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1226.241+/-0.329 χ^2/NDF: 5344796.3/19

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

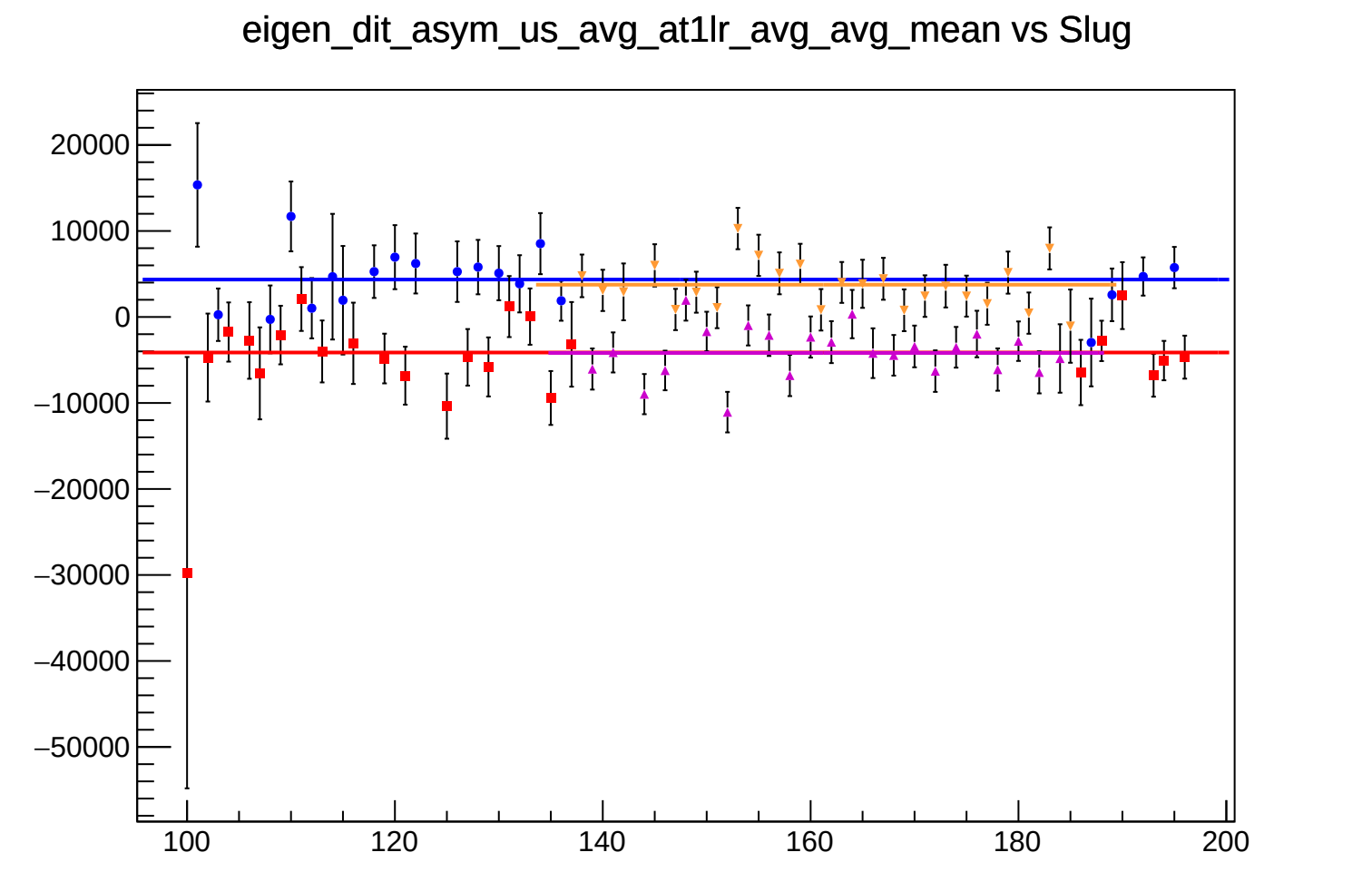
Right Out: 893.533+/-0.246 χ^2/NDF: 9436220.3/23

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1593.170+/-0.234 χ^2/NDF: 9569683.9/43

All: 1403.511+/-0.151 χ^2/NDF: 28489983.7/9

- sign 1268.234+/-0.198 χ^2/NDF: 17795421.6/46



Right In: 4352.287+/-746.533 χ^2/NDF: 16.3/19

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4132.696+/-691.606 χ^2/NDF: 20.5/23

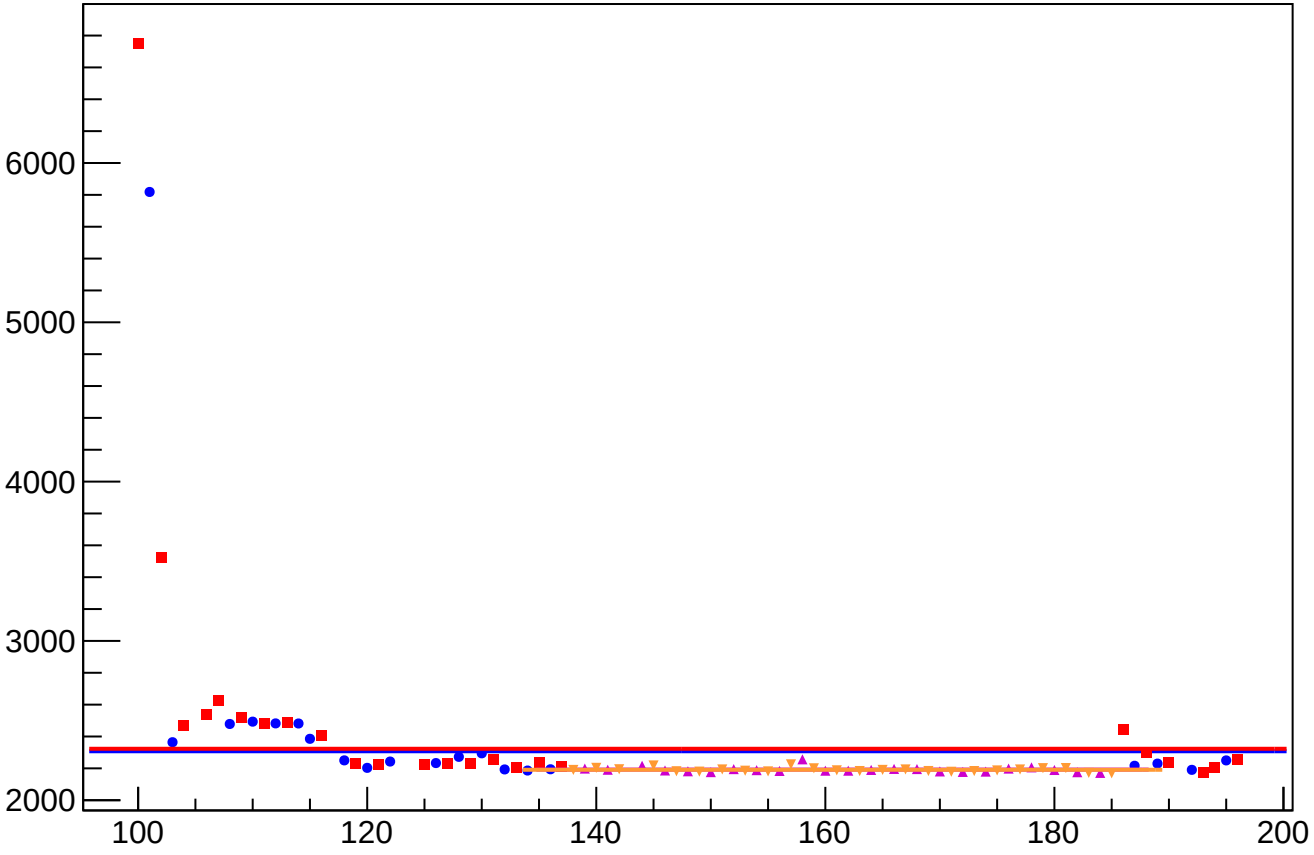
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3943.689+/-420.306 χ^2/NDF: 42.4/43

All: -197.622+/-294.015 χ^2/NDF: 285.7/90

- sign -4165.982+/-411.436 χ^2/NDF: 53.1/46

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2307.332+/-0.528 χ^2/NDF: 514659.6/19

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

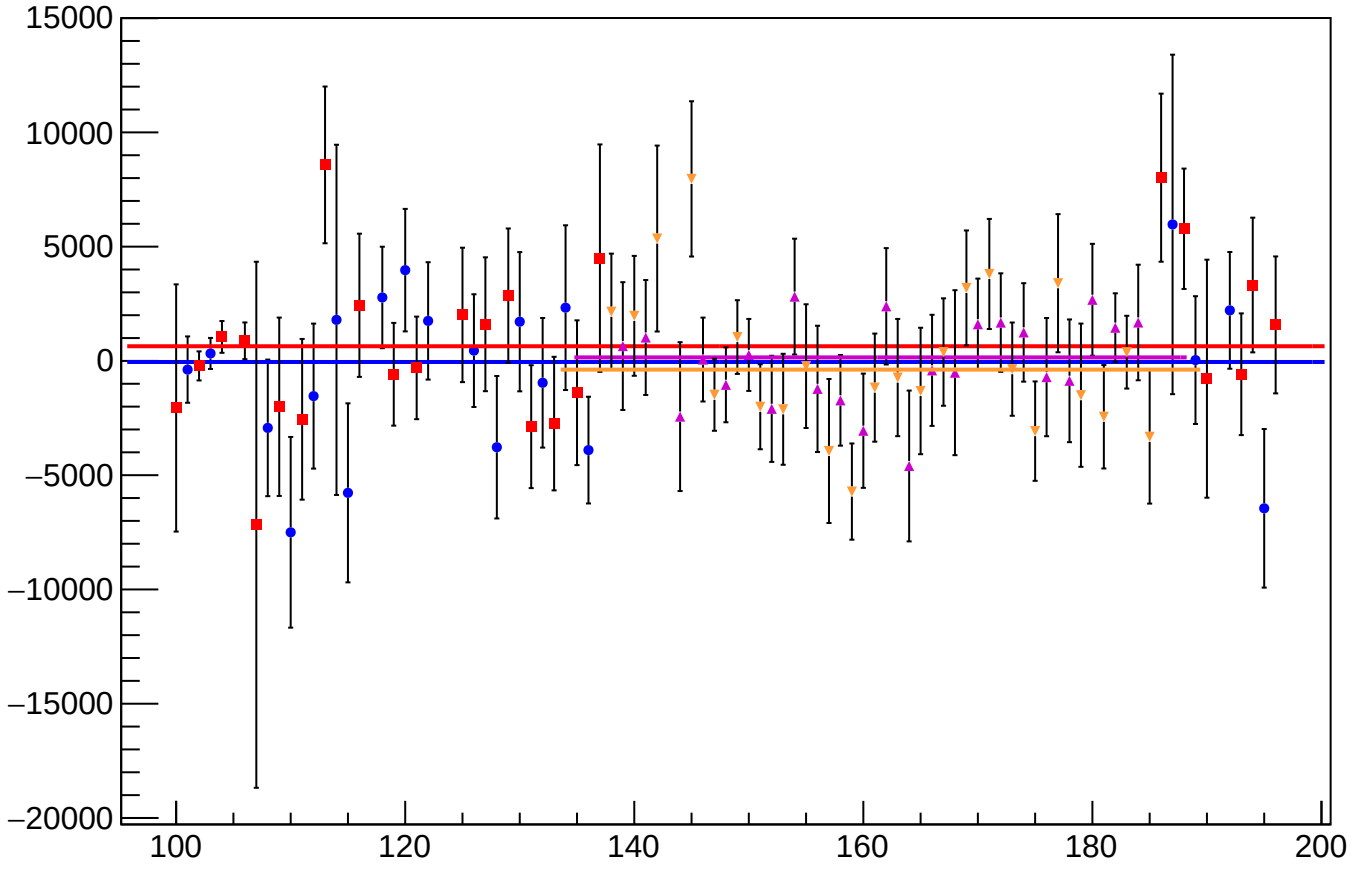
Right Out: 2322.953+/-0.489 χ^2/NDF: 232603.5/23

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.975+/-0.297 χ^2/NDF: 548976.1/43

All: 2233.337+/-0.208 χ^2/NDF: 830684.4/90

- sign 2238.475+/-0.291 χ^2/NDF: 281070.9/46



Right In: -46.863+/-464.845 χ^2/NDF: 21.2/19

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

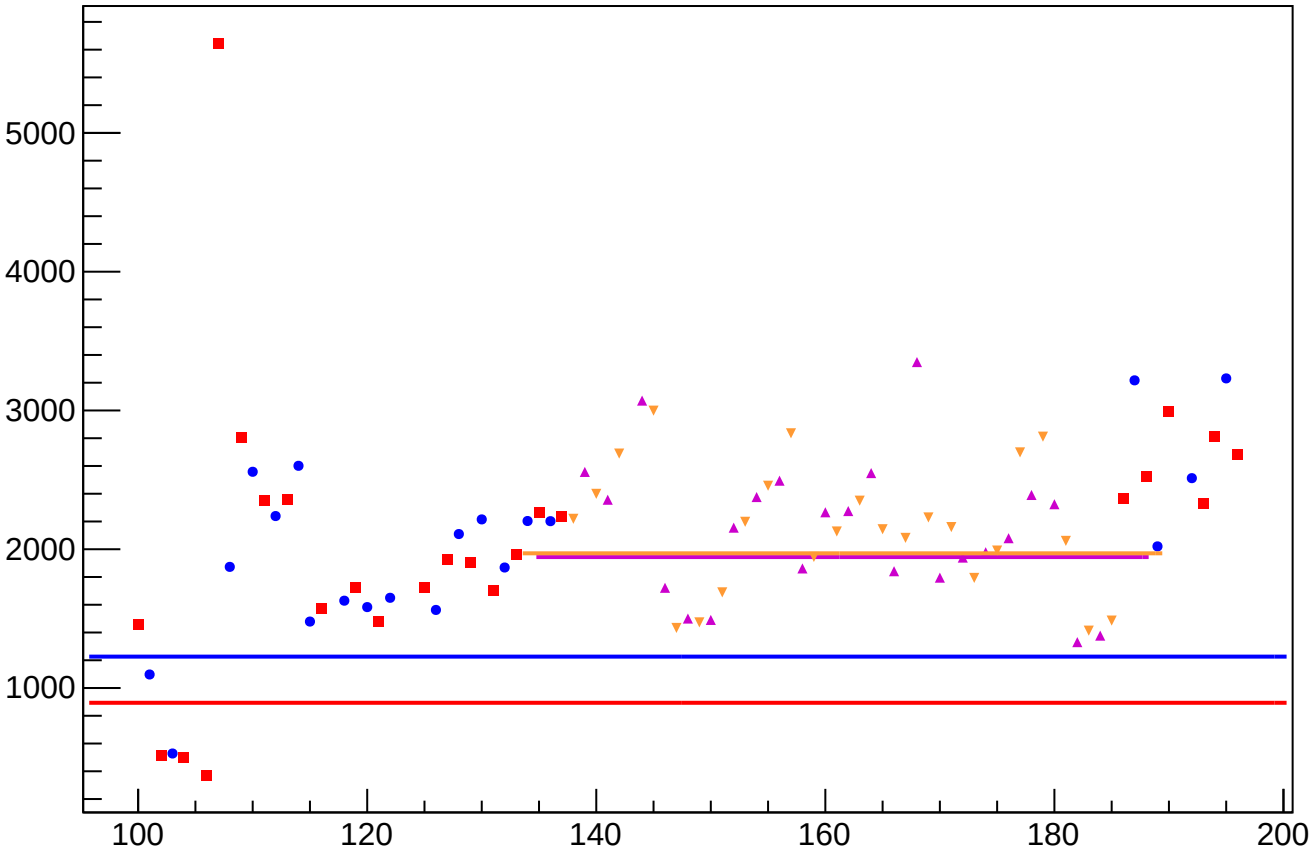
Right Out: 642.025+/-348.590 χ^2/NDF: 24.4/23

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -211.313+/-331.016 χ^2/NDF: 52.2/43

All: 185.226+/-213.582 χ^2/NDF: 92.6/90

- sign 468.065+/-279.561 χ^2/NDF: 37.9/46



Right In: 1226.251+/-0.329 χ^2/NDF: 5344701.5/19

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 893.551+/-0.246 χ^2/NDF: 9436035.8/23

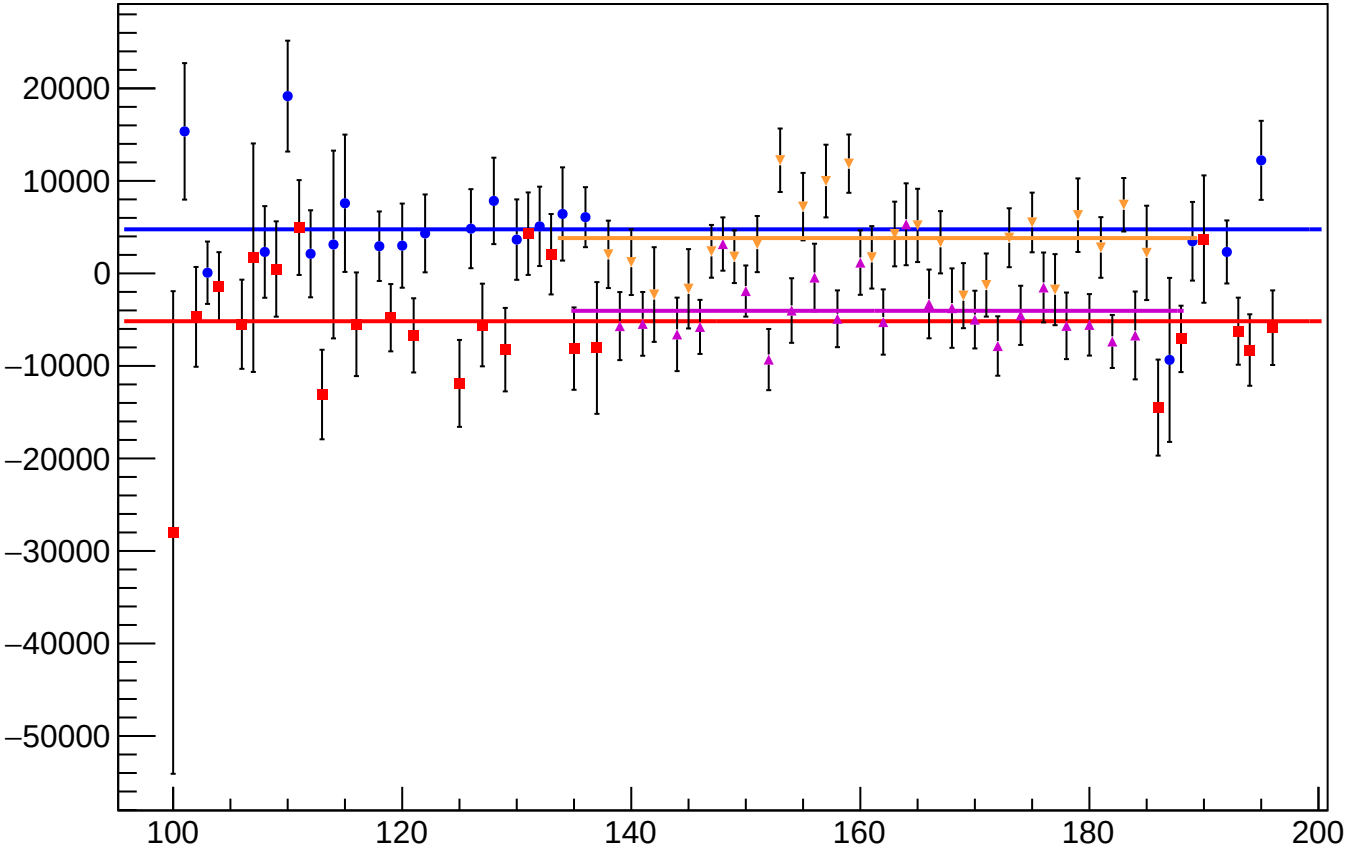
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1593.179+/-0.234 χ^2/NDF: 9569527.1/43

All: 1403.526+/-0.151 χ^2/NDF: 28489324.9/9

- sign 1268.252+/-0.198 χ^2/NDF: 17794995.9/46

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4764.863+/-1012.728 χ^2/NDF: 17.9/19

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5168.424+/-951.775 χ^2/NDF: 26.4/23

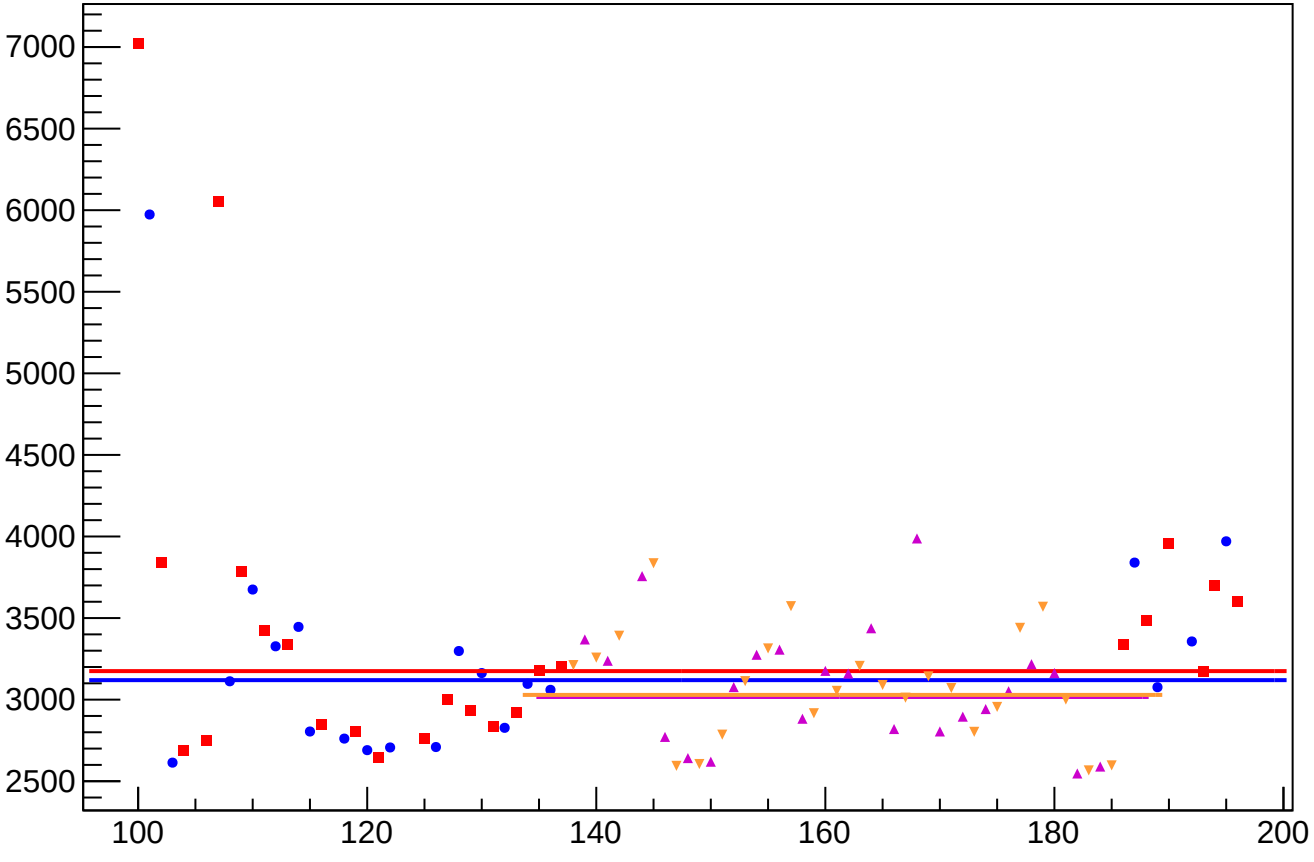
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4128.923+/-580.433 χ^2/NDF: 49.3/43

All: -244.070+/-406.281 χ^2/NDF: 210.4/90

- sign -4444.683+/-568.878 χ^2/NDF: 49.8/46

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3119.464+/-0.716 χ^2/NDF: 560415.5/19

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

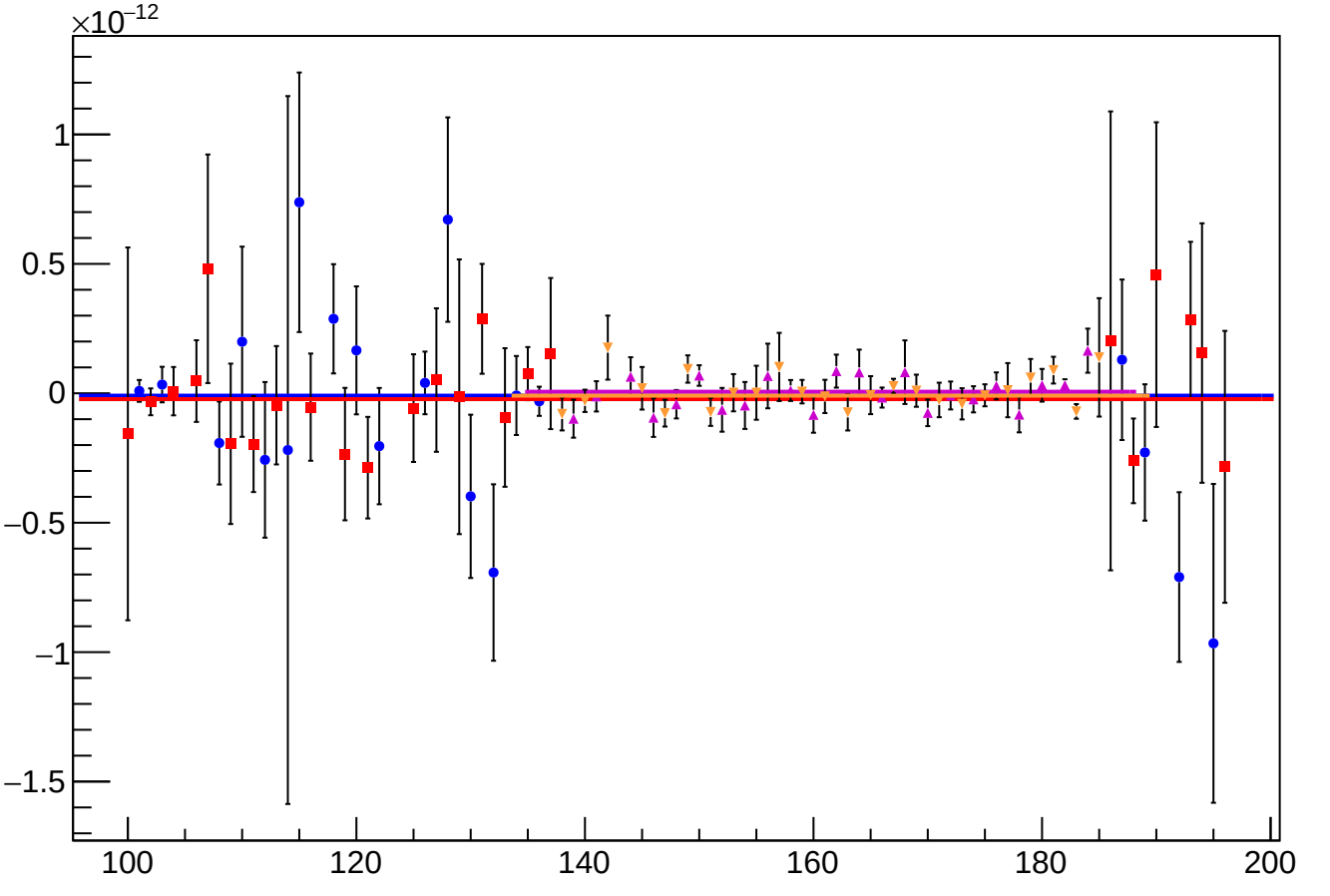
Right Out: 3174.880+/-0.673 χ^2/NDF: 474555.3/23

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3058.705+/-0.410 χ^2/NDF: 968247.1/43

All: 3065.956+/-0.287 χ^2/NDF: 1919020.6/90

\- sign 3072.922+/-0.402 χ^2/NDF: 950161.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

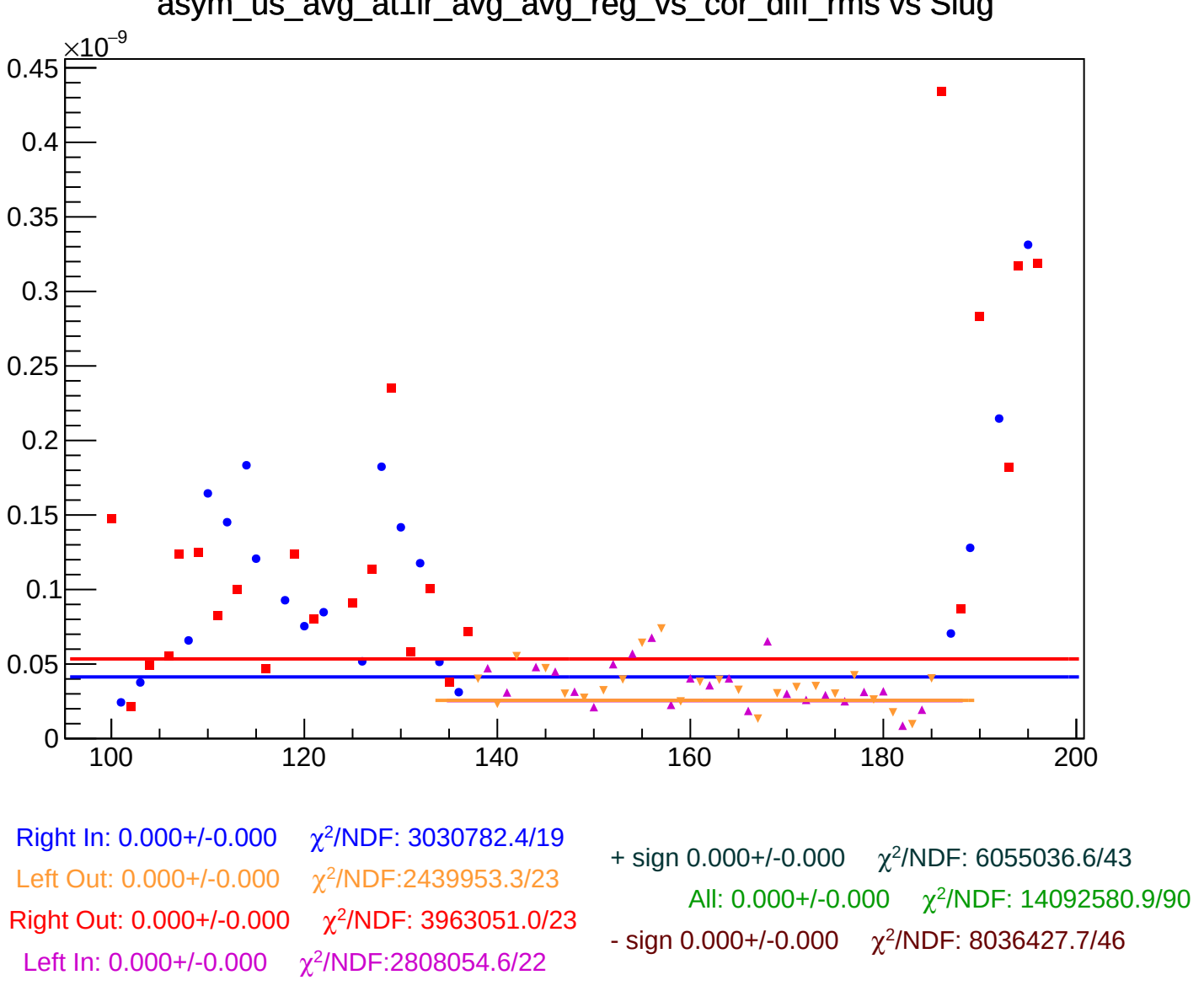
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/23

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

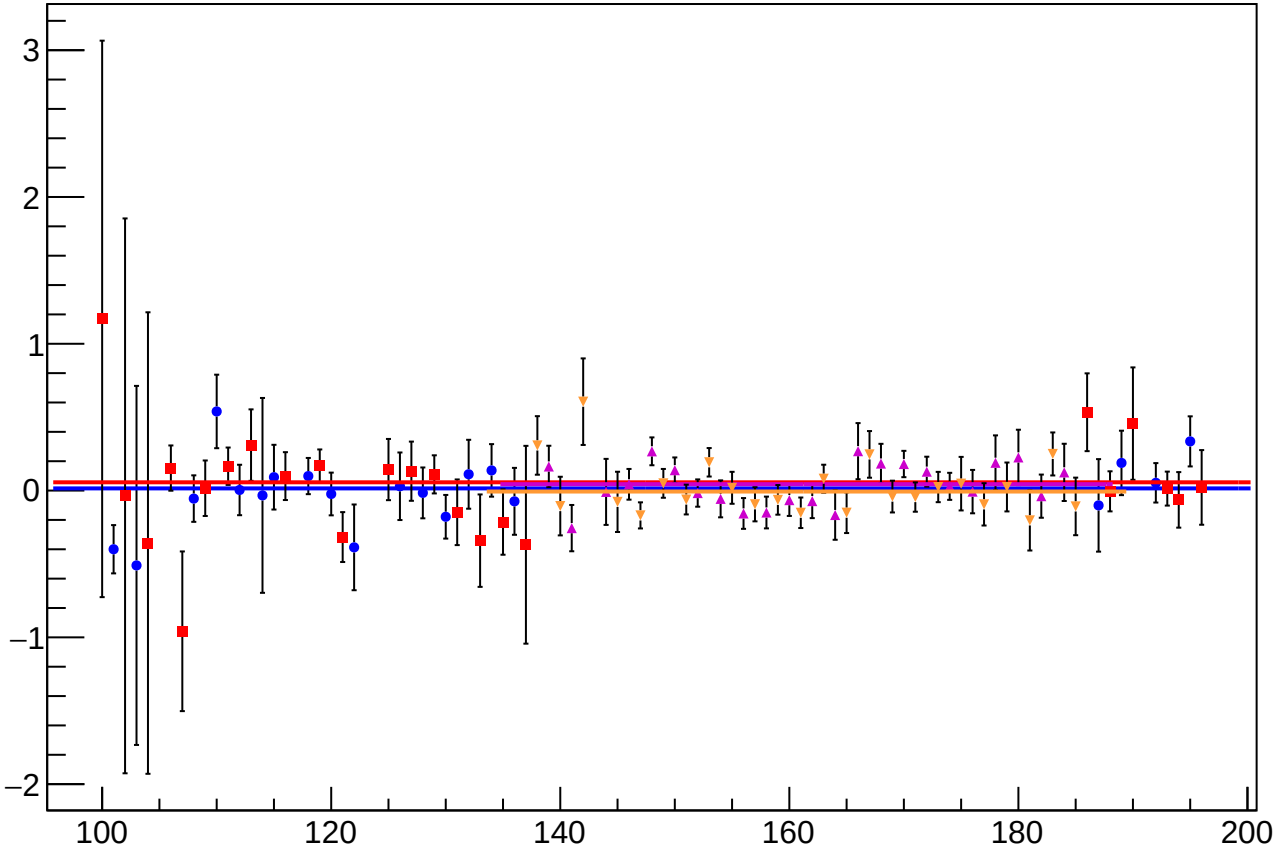
+ sign -0.000+/-0.000 χ^2/NDF: 49.2/43

All: -0.000+/-0.000 χ^2/NDF: 87.1/90

- 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: 3030782.4/19
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: 6055036.6/43
All: 0.000+/-0.000 χ²/NDF: 14092580.9/90
- sign 0.000+/-0.000 χ²/NDF: 8036427.7/46

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

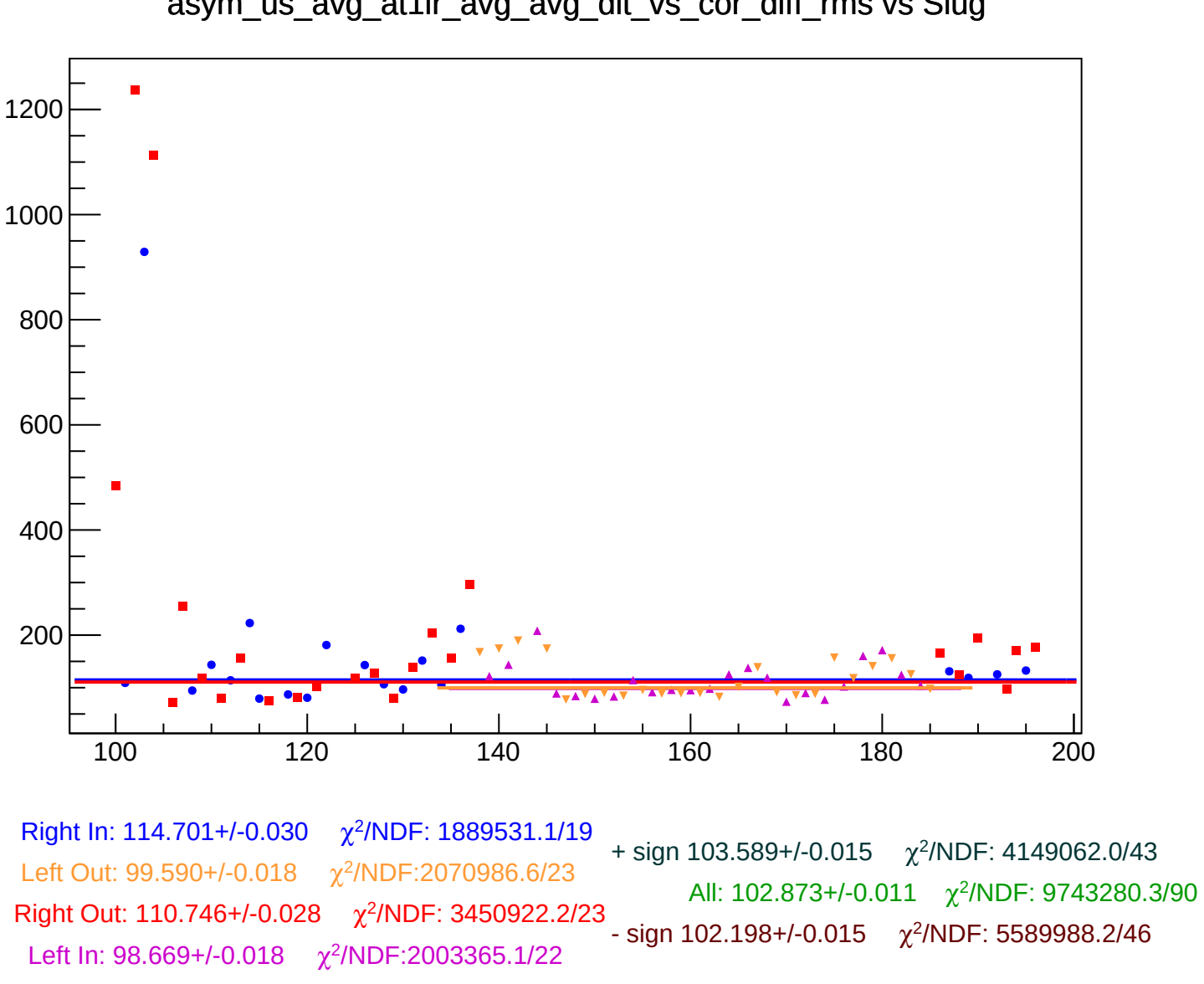
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

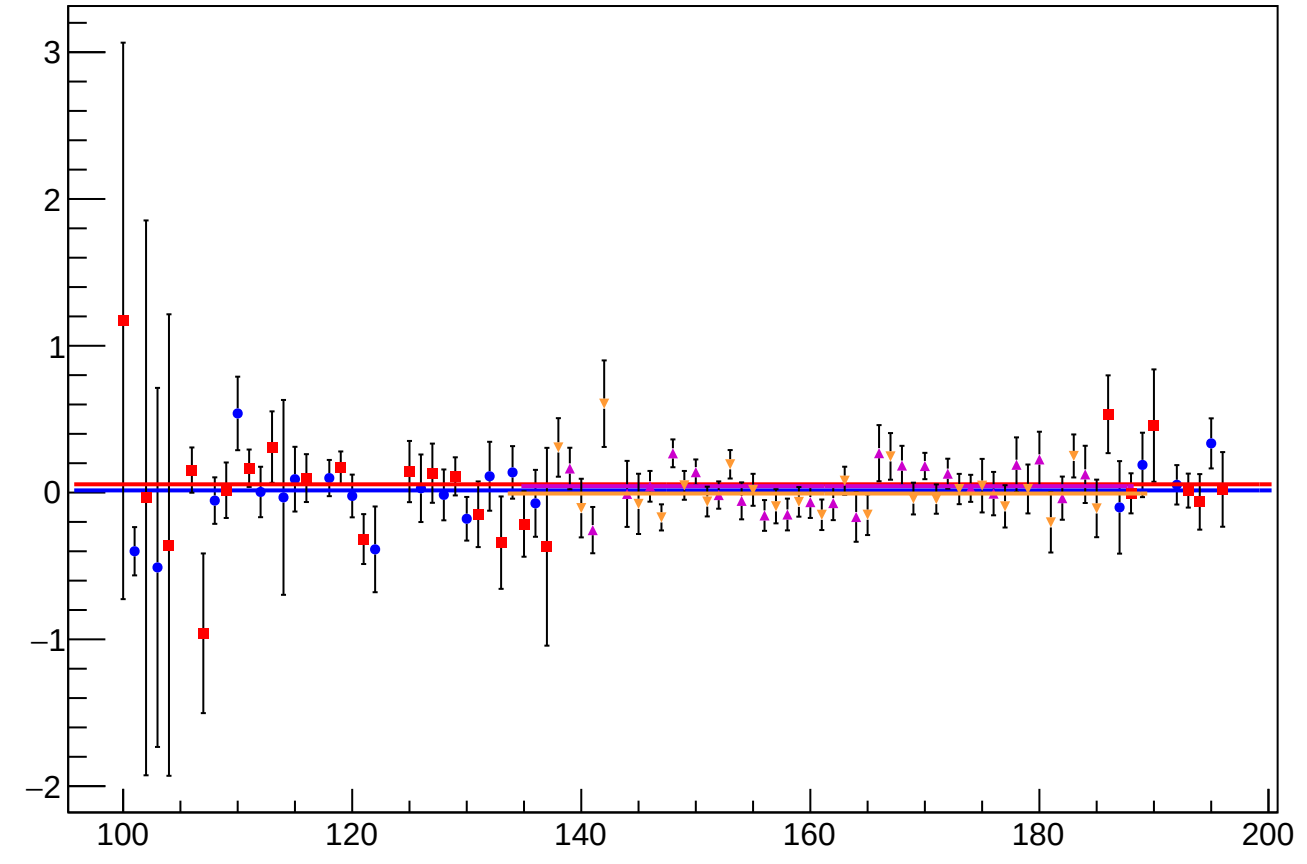
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.001+/-0.022 χ^2/NDF: 48.4/43

All: 0.024+/-0.015 χ^2/NDF: 103.2/90

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 114.701+/-0.030 χ²/NDF: 1889531.1/19
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 110.746+/-0.028 χ²/NDF: 3450922.2/23
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 103.589+/-0.015 χ²/NDF: 4149062.0/43
All: 102.873+/-0.011 χ²/NDF: 9743280.3/90
- sign 102.198+/-0.015 χ²/NDF: 5589988.2/46



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

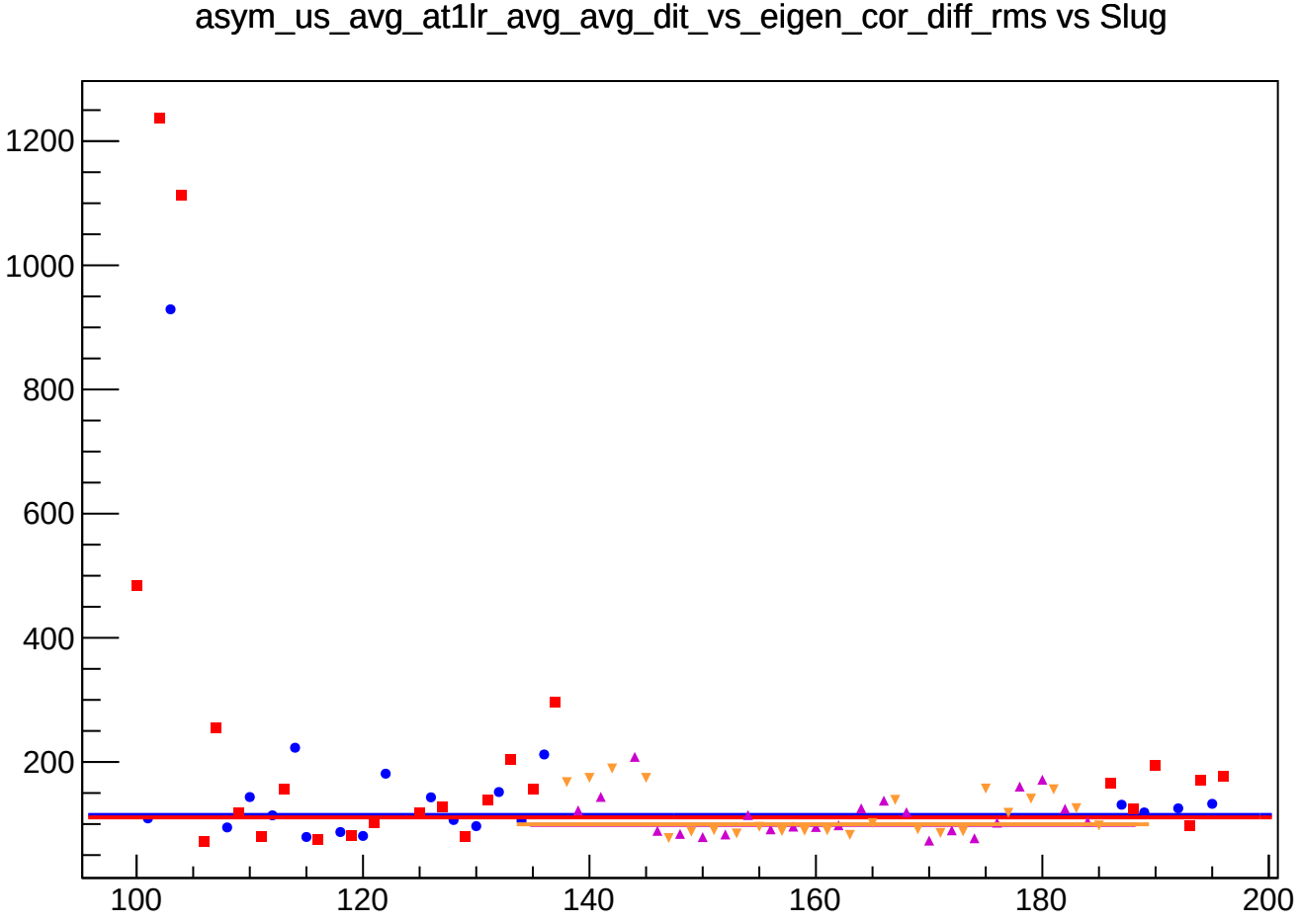
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

\+ sign -0.001+/-0.022 χ^2/NDF: 48.4/43

All: 0.024+/-0.015 χ^2/NDF: 103.2/90

\- sign 0.047+/-0.021 χ^2/NDF: 52.3/46



Right In: 114.701+/-0.030 χ^2/NDF: 1889531.1/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

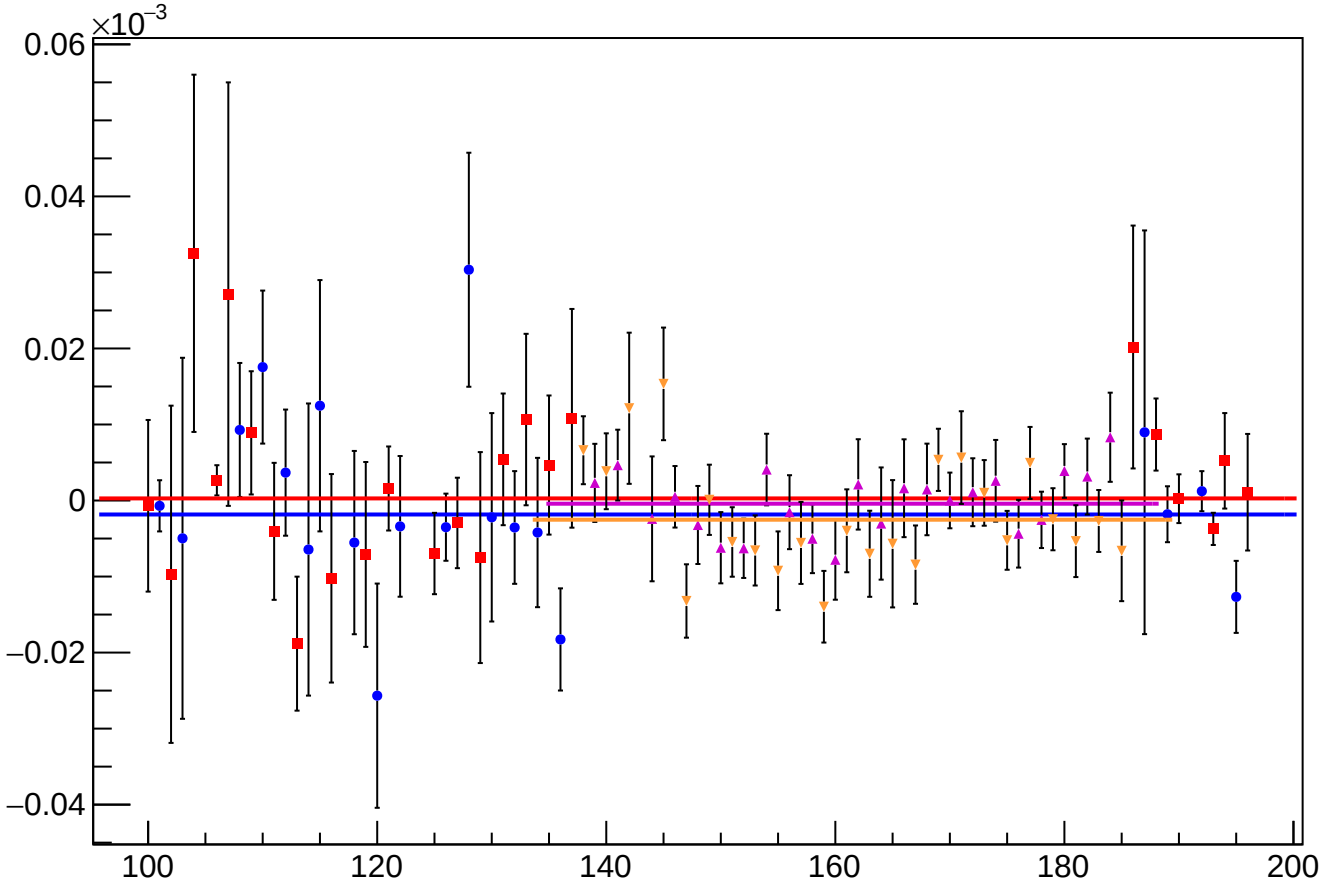
Right Out: 110.746+/-0.028 χ^2/NDF: 3450922.2/23

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149062.0/43

All: 102.873+/-0.011 χ^2/NDF: 9743280.3/90

- sign 102.198+/-0.015 χ^2/NDF: 5589988.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

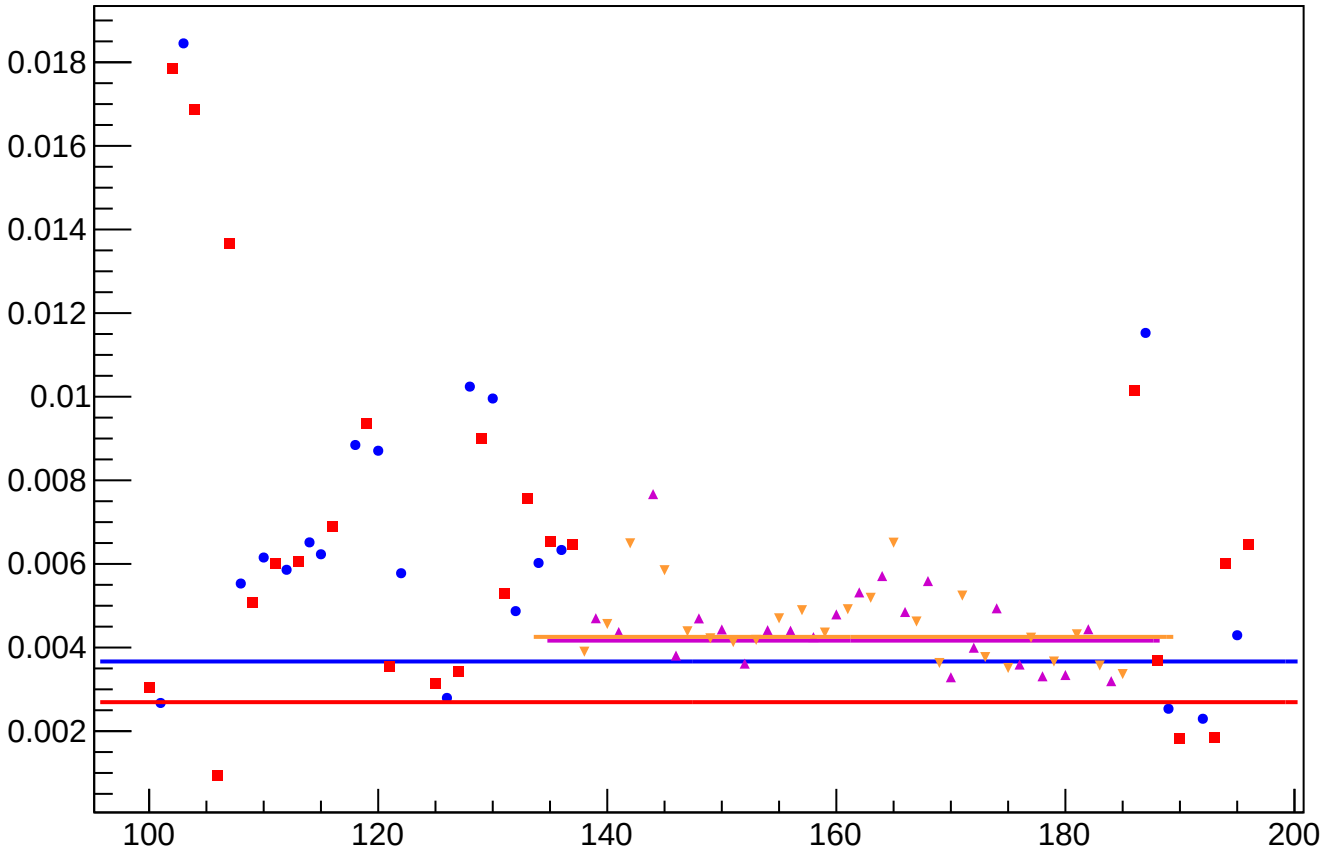
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/23

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/43

All: -0.000+/-0.000 χ^2/NDF: 112.1/90

- sign -0.000+/-0.000 χ^2/NDF: 41.0/46



Right In: 0.004+/-0.000 χ^2/NDF: 4386857.9/19

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

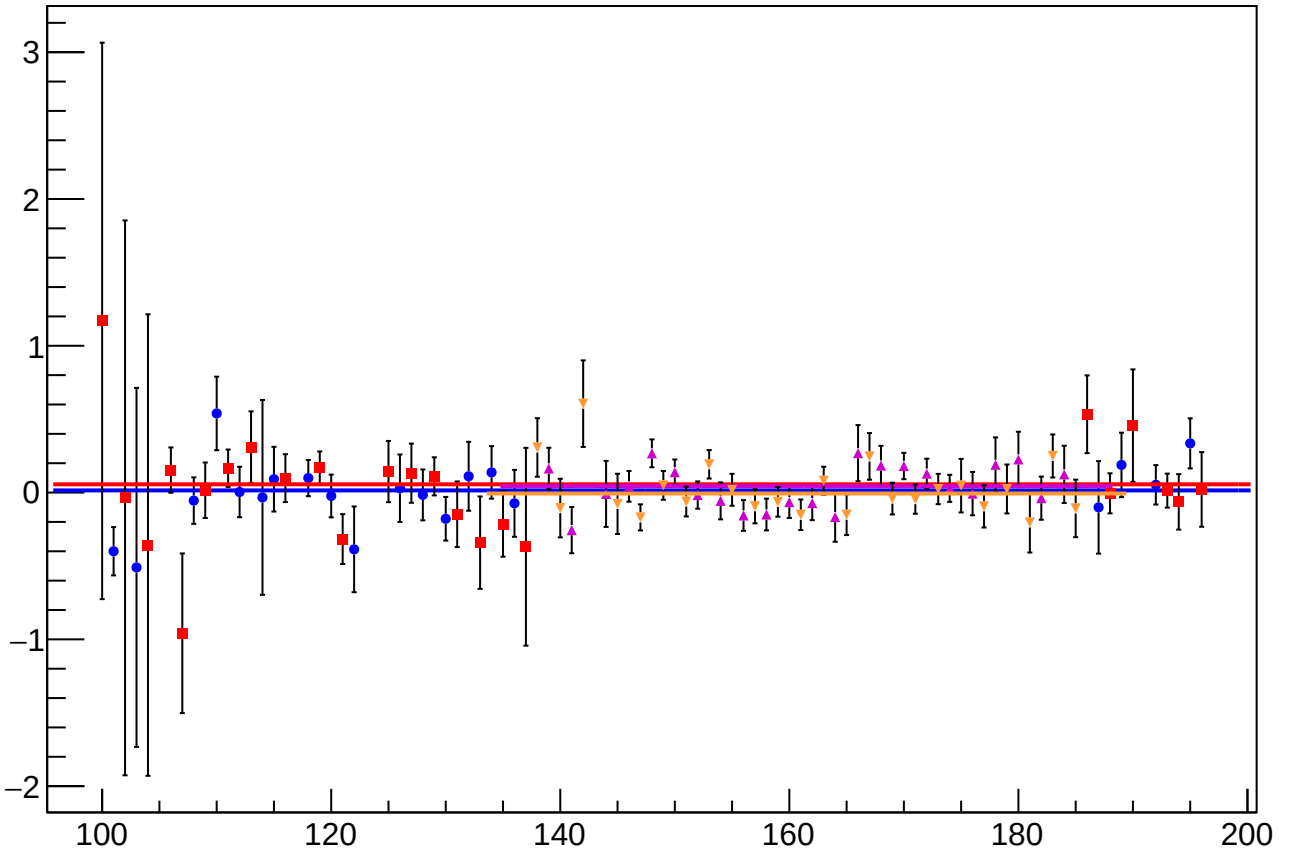
Right Out: 0.003+/-0.000 χ^2/NDF: 8639523.4/23

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5458596.0/43

All: 0.004+/-0.000 χ^2/NDF: 17930140.2/90

- sign 0.003+/-0.000 χ^2/NDF: 11942642.7/46



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

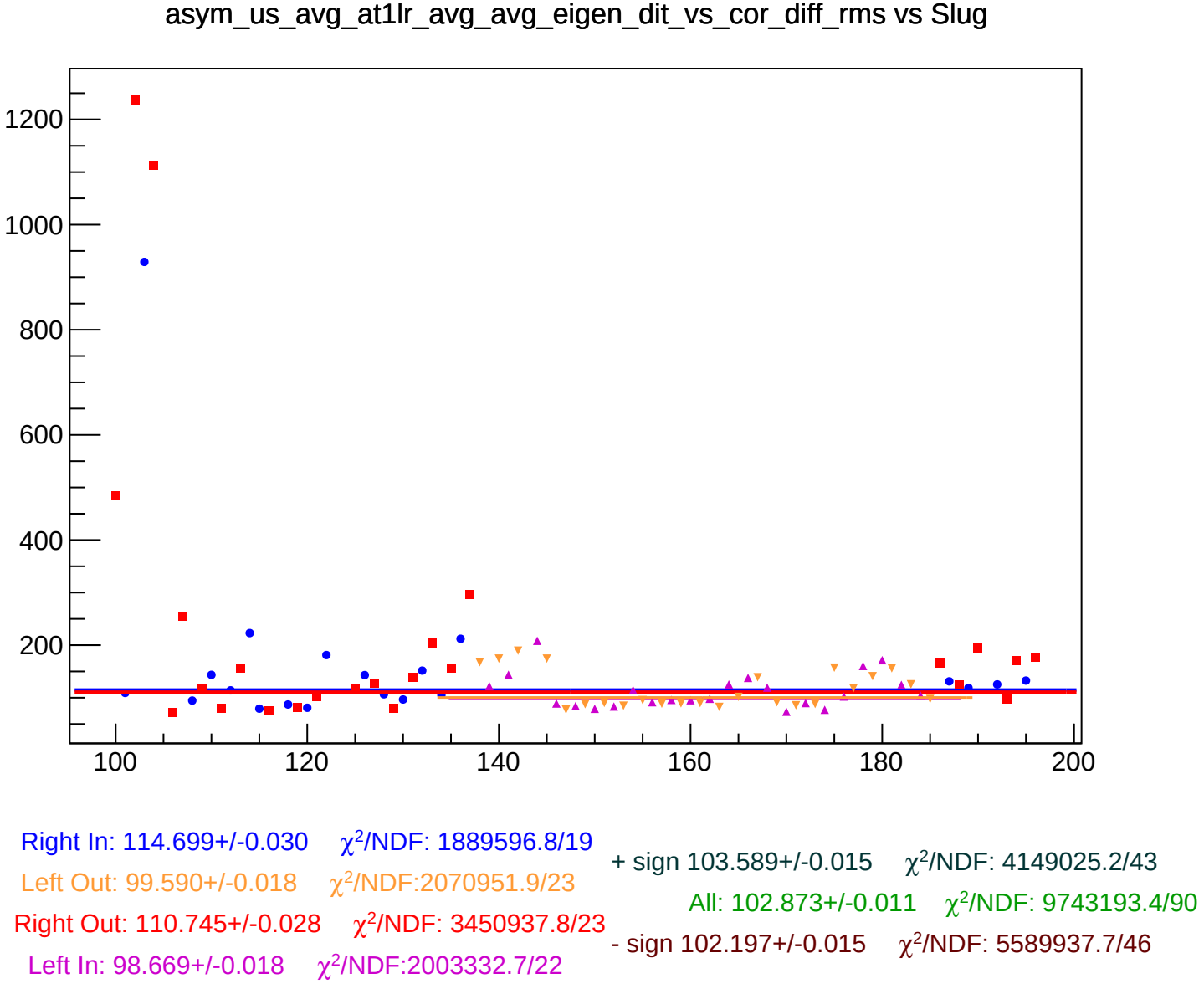
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

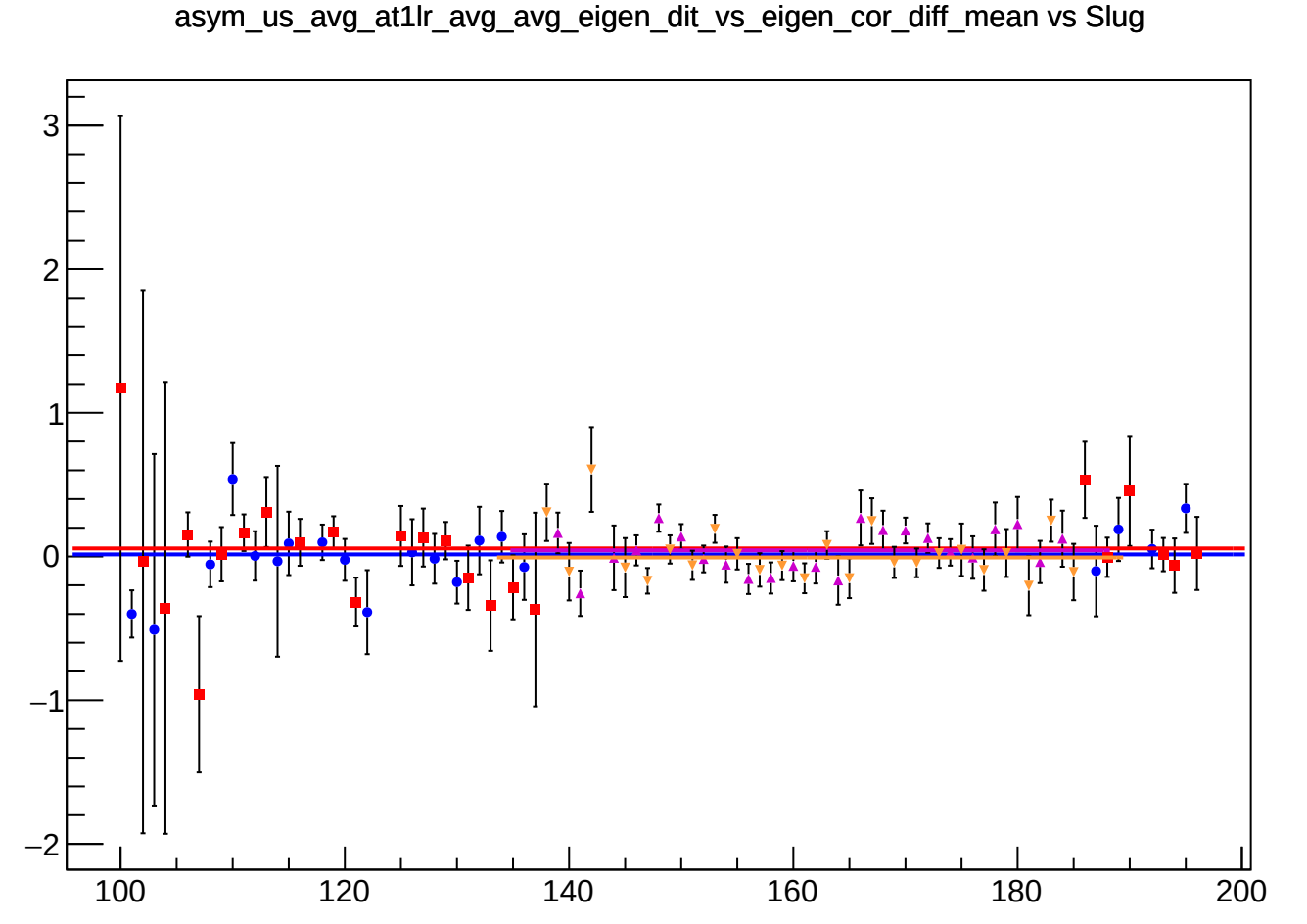
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.001+/-0.022 χ^2/NDF: 48.4/43

All: 0.024+/-0.015 χ^2/NDF: 103.2/90

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 114.699+/-0.030 χ²/NDF: 1889596.8/19
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 110.745+/-0.028 χ²/NDF: 3450937.8/23
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 103.589+/-0.015 χ²/NDF: 4149025.2/43
All: 102.873+/-0.011 χ²/NDF: 9743193.4/90
- sign 102.197+/-0.015 χ²/NDF: 5589937.7/46



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

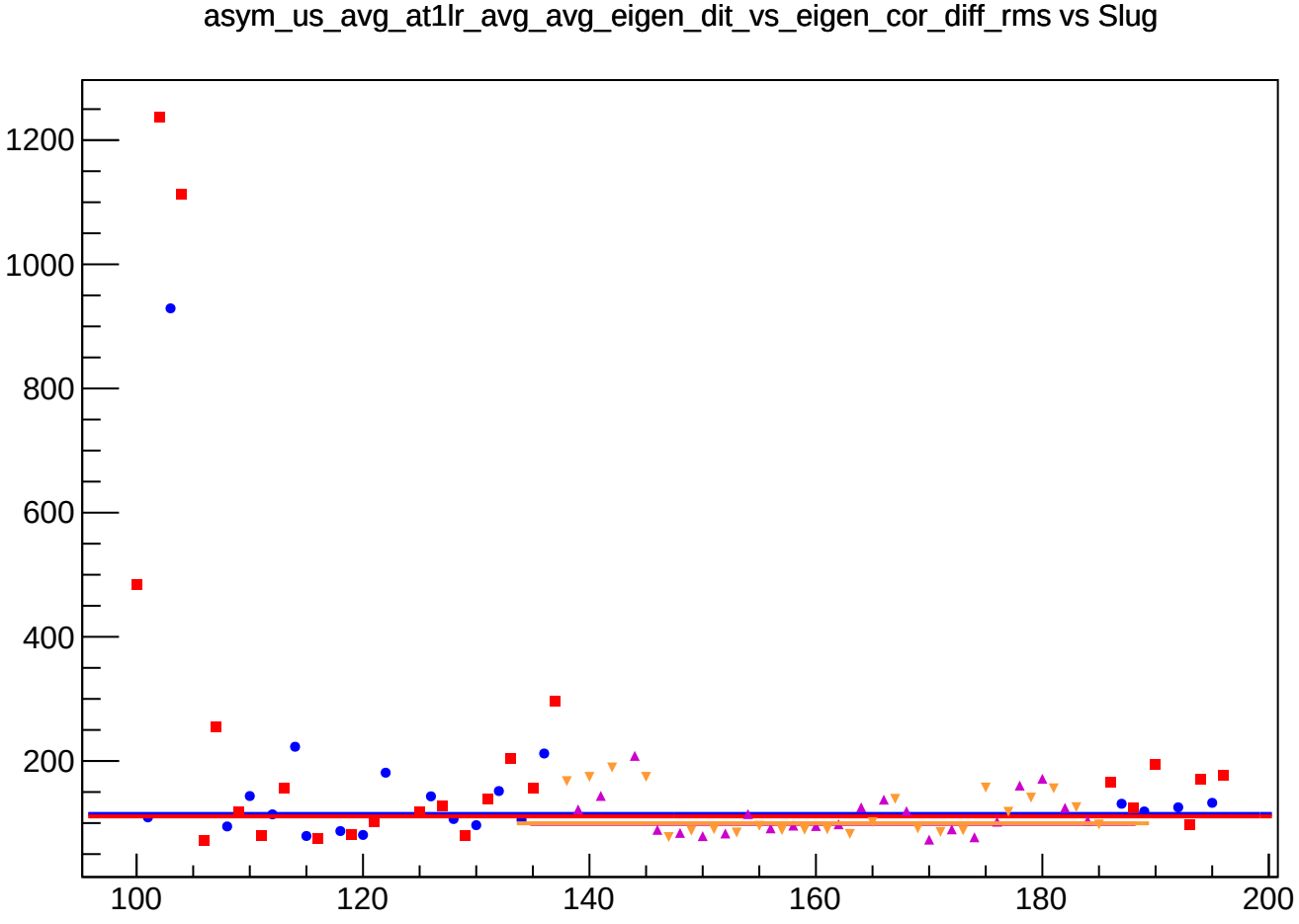
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.001+/-0.022 χ^2/NDF: 48.4/43

All: 0.024+/-0.015 χ^2/NDF: 103.2/90

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46



Right In: 114.699+/-0.030 χ^2/NDF: 1889596.8/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

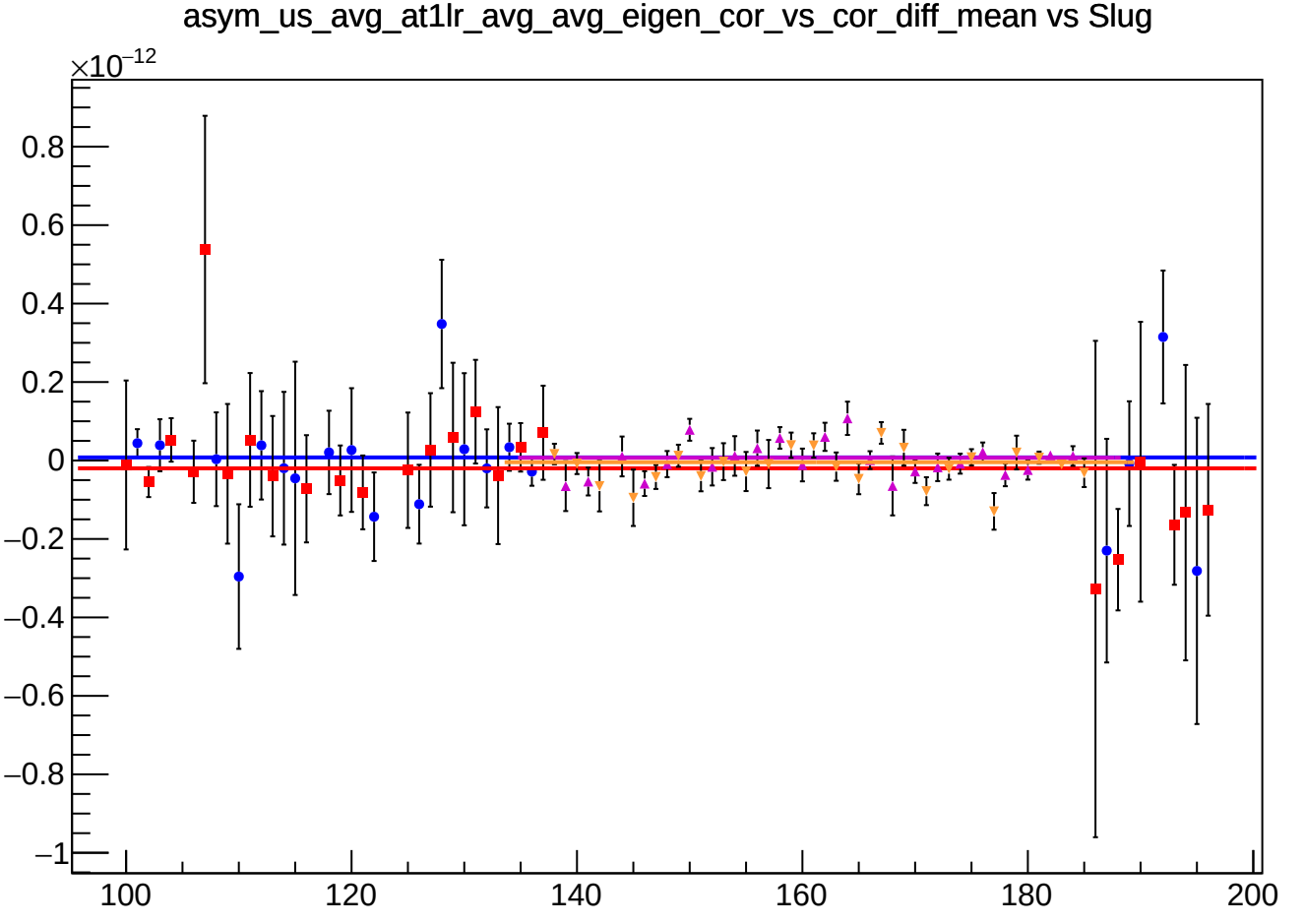
Right Out: 110.745+/-0.028 χ^2/NDF: 3450937.8/23

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149025.2/43

All: 102.873+/-0.011 χ^2/NDF: 9743193.4/90

- sign 102.197+/-0.015 χ^2/NDF: 5589937.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

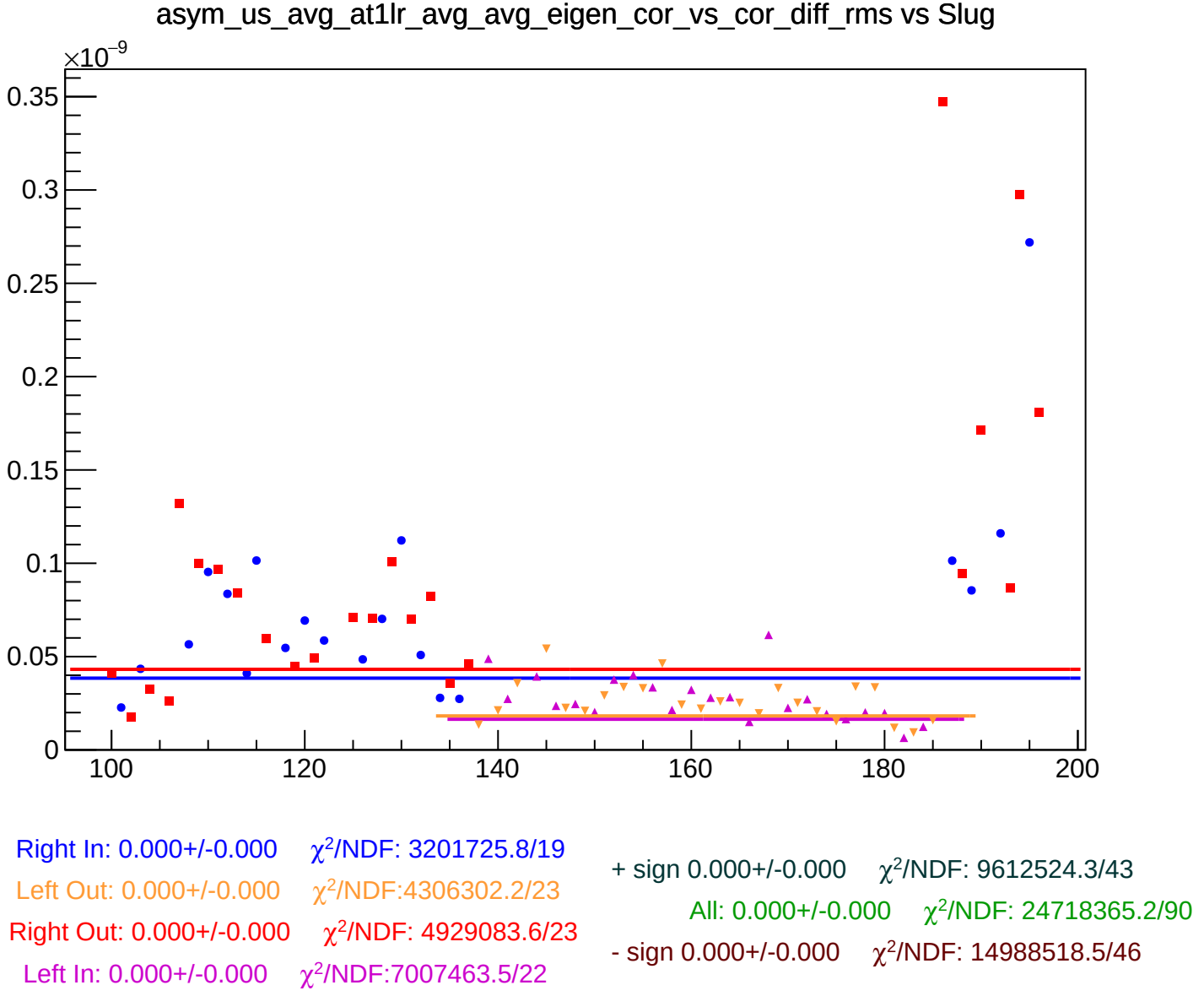
Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/23

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

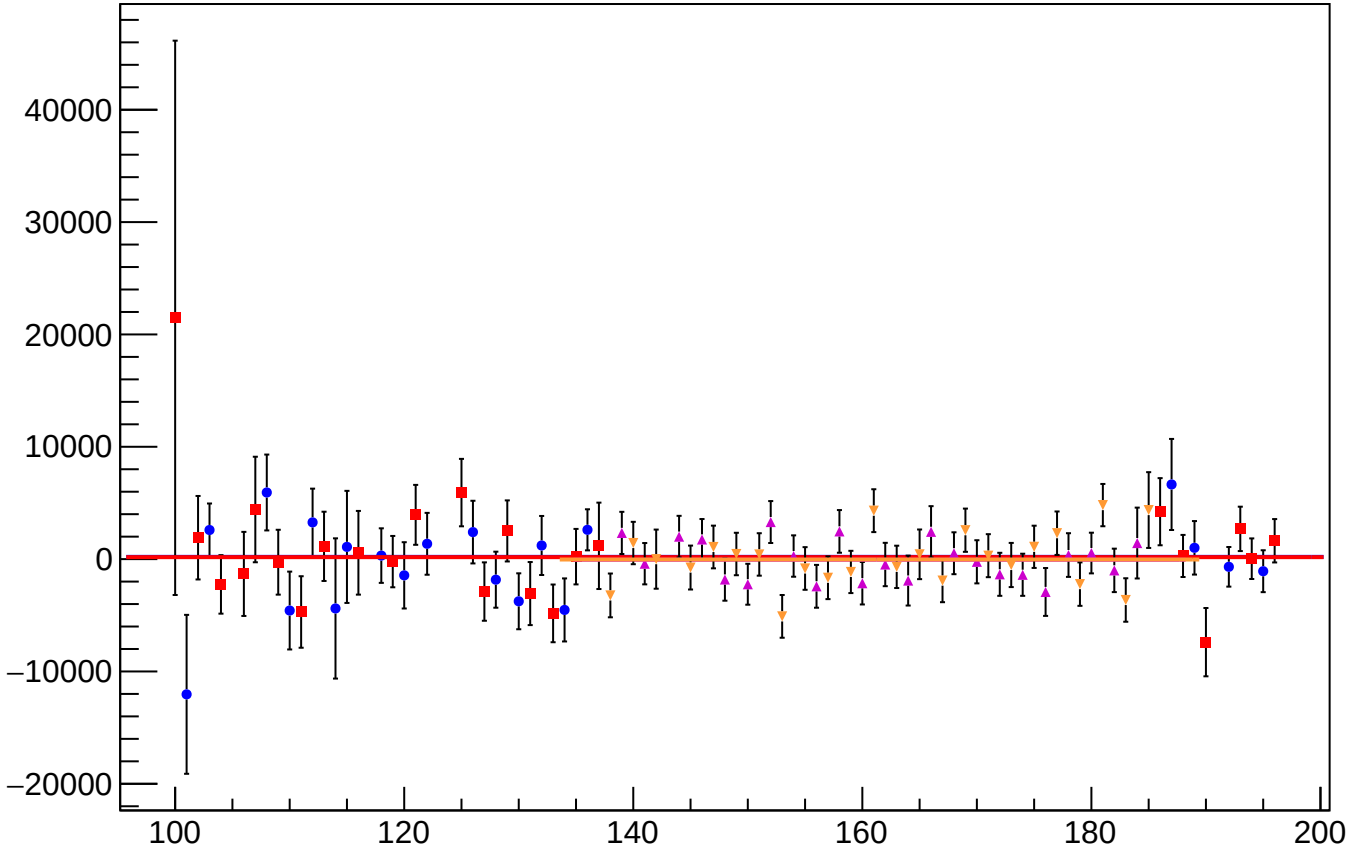
+ sign -0.000+/-0.000 χ^2/NDF: 50.8/43

All: 0.000+/-0.000 χ^2/NDF: 102.4/90

- sign 0.000+/-0.000 χ^2/NDF: 50.3/46


asym_us_avg_at1lr_avg_avg_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: 3201725.8/19
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4929083.6/23
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9612524.3/43
All: 0.000+/-0.000 χ²/NDF: 24718365.2/90
- sign 0.000+/-0.000 χ²/NDF: 14988518.5/46

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 200.310+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 175.078+/-549.899 χ^2/NDF: 28.5/23

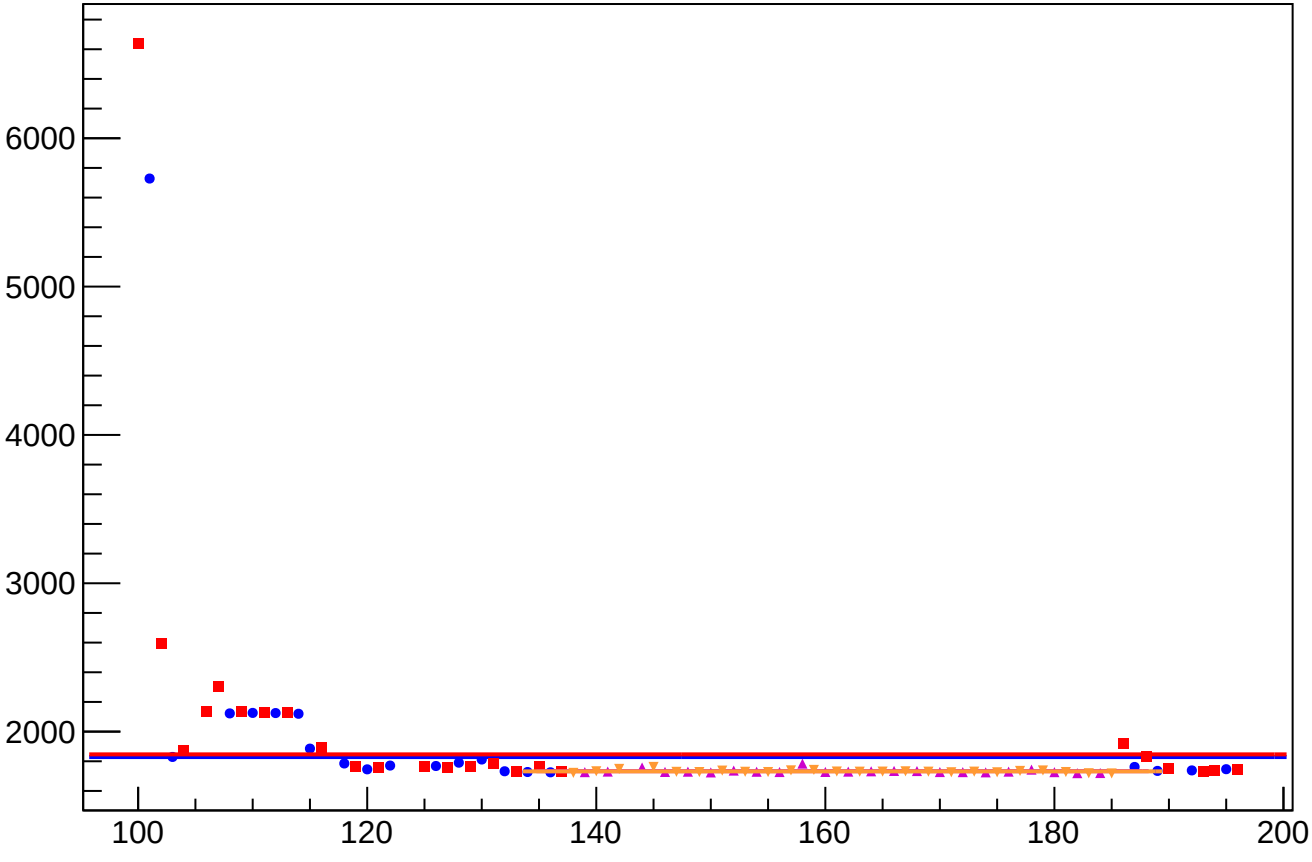
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 39.004+/-332.955 χ^2/NDF: 58.3/43

All: 33.009+/-232.917 χ^2/NDF: 106.3/90

- sign 27.265+/-325.946 χ^2/NDF: 48.0/46

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.8/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

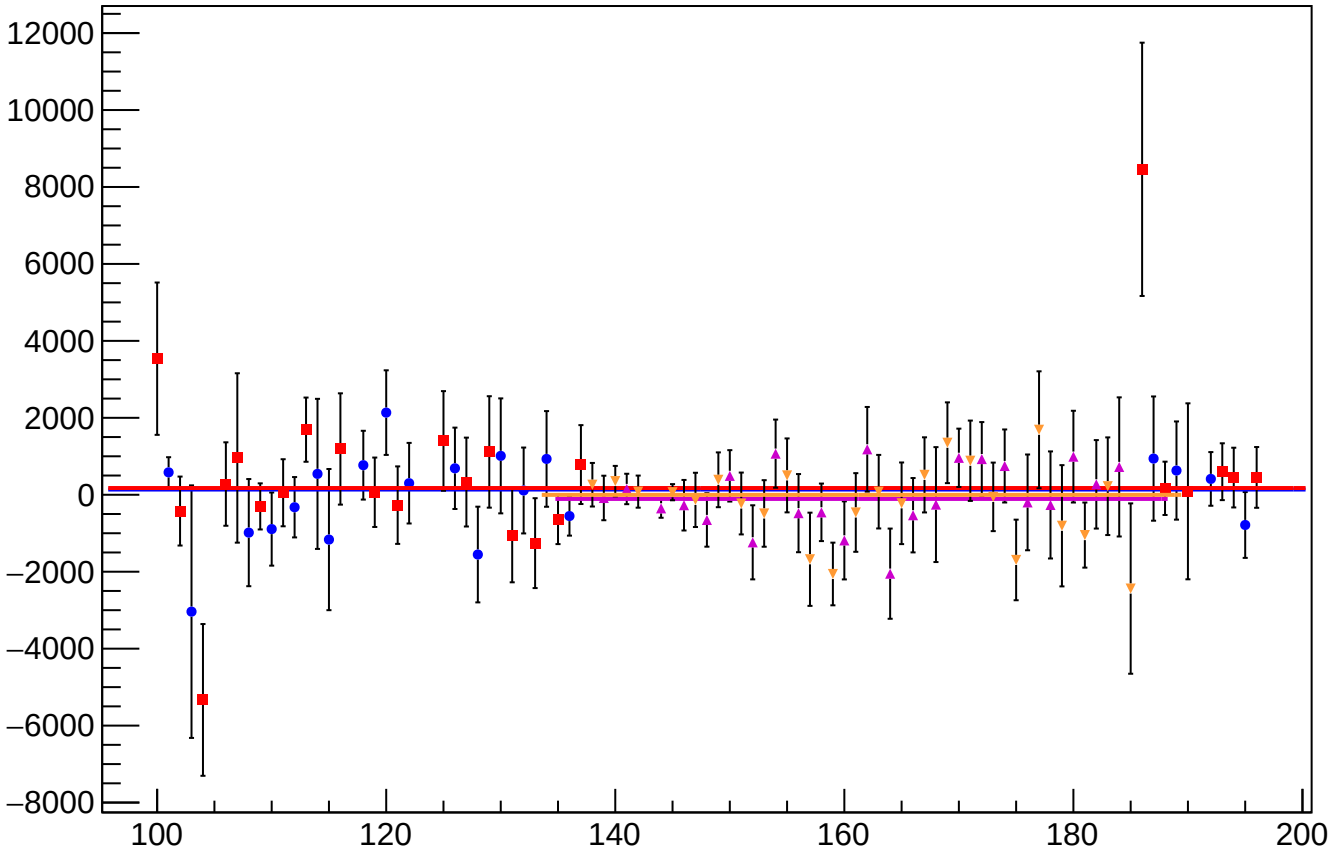
Right Out: 1846.547+/-0.389 χ^2/NDF: 283435.9/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.8/43

All: 1767.792+/-0.165 χ^2/NDF: 1069582.9/90

- sign 1773.098+/-0.230 χ^2/NDF: 340673.2/46



Right In: 135.920+/-199.750 χ^2/NDF: 15.2/19

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 175.068+/-199.679 χ^2/NDF: 28.6/23

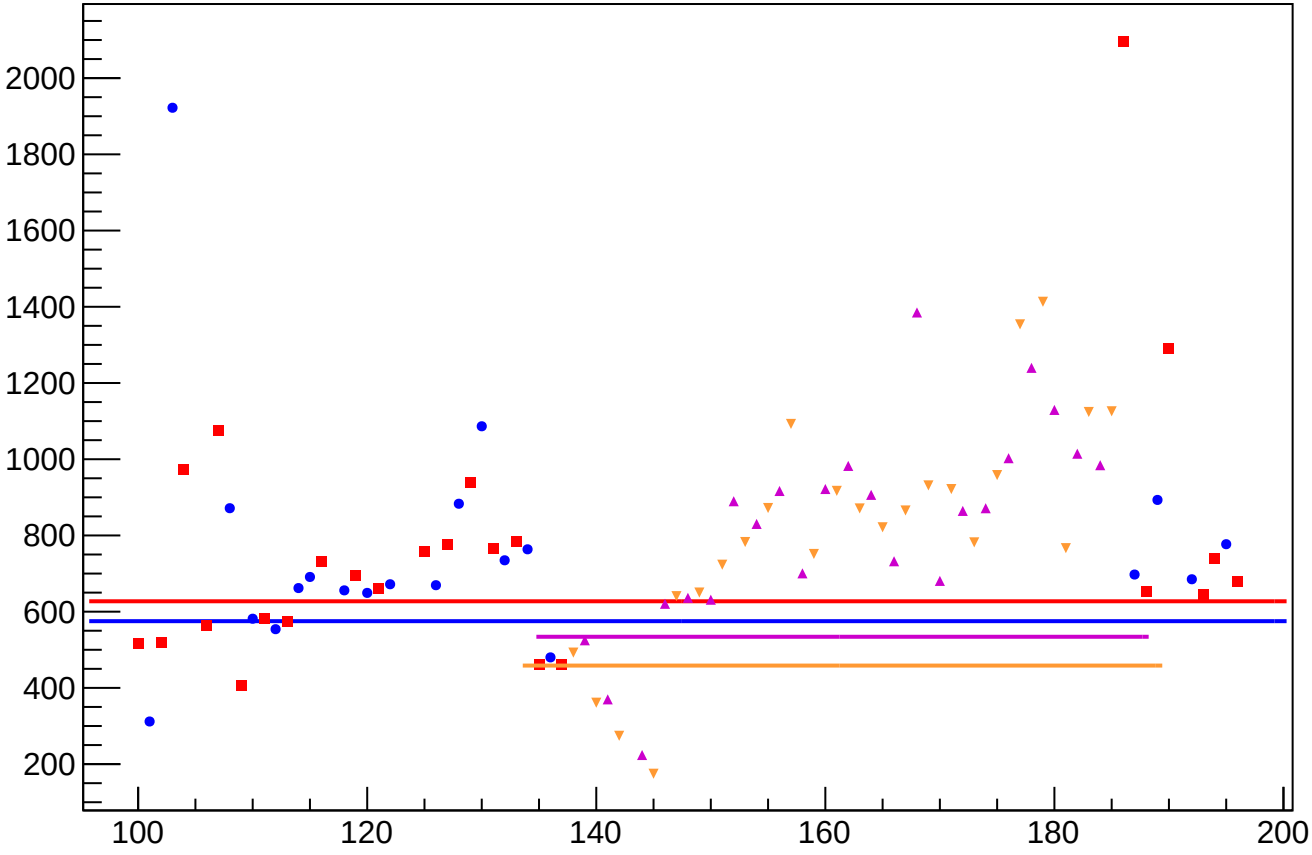
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 38.774+/-108.988 χ^2/NDF: 35.8/43

All: 15.055+/-79.567 χ^2/NDF: 82.8/90

- sign -12.015+/-116.430 χ^2/NDF: 47.0/46

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 575.082+/-0.141 χ^2/NDF: 2205313.5/19

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 627.280+/-0.141 χ^2/NDF: 1507274.1/23

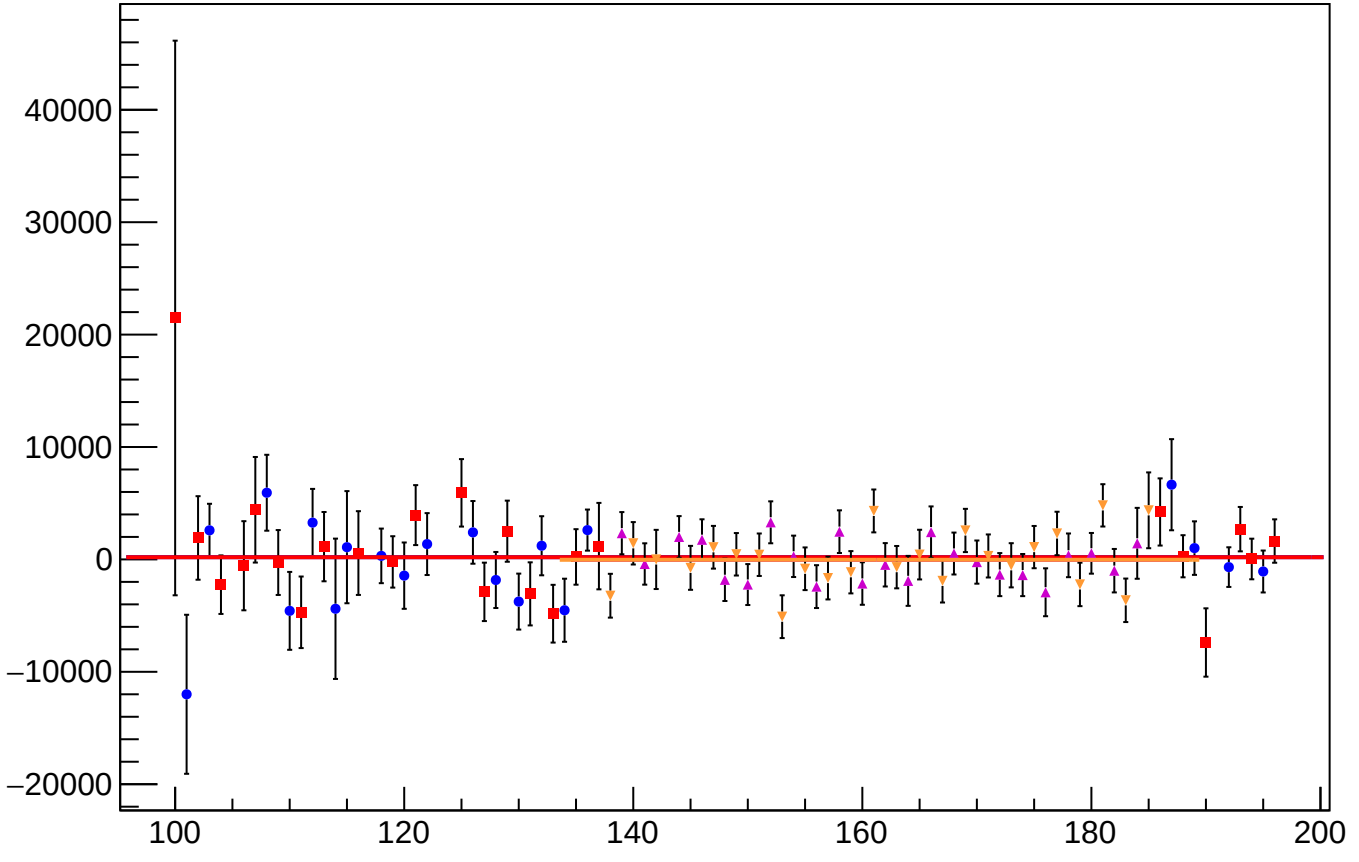
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 493.262+/-0.077 χ^2/NDF: 14109851.7/43

All: 527.148+/-0.056 χ^2/NDF: 24761479.7/90

- sign 565.820+/-0.082 χ^2/NDF: 10237642.7/46

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 200.390+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 193.278+/-550.547 χ^2/NDF: 28.4/23

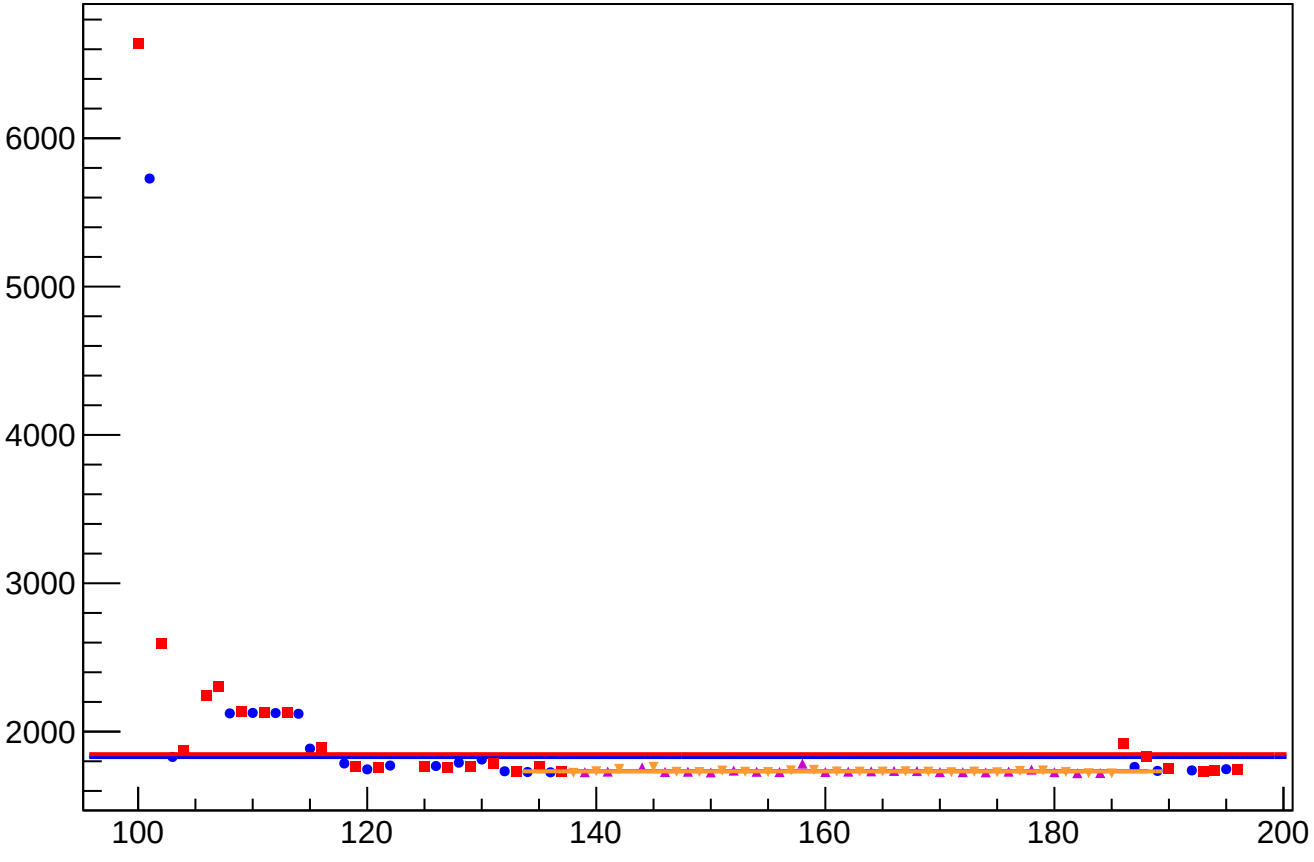
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 39.068+/-332.955 χ^2/NDF: 58.3/43

All: 36.267+/-232.966 χ^2/NDF: 106.2/90

- sign 33.580+/-326.081 χ^2/NDF: 47.9/46

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.7/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

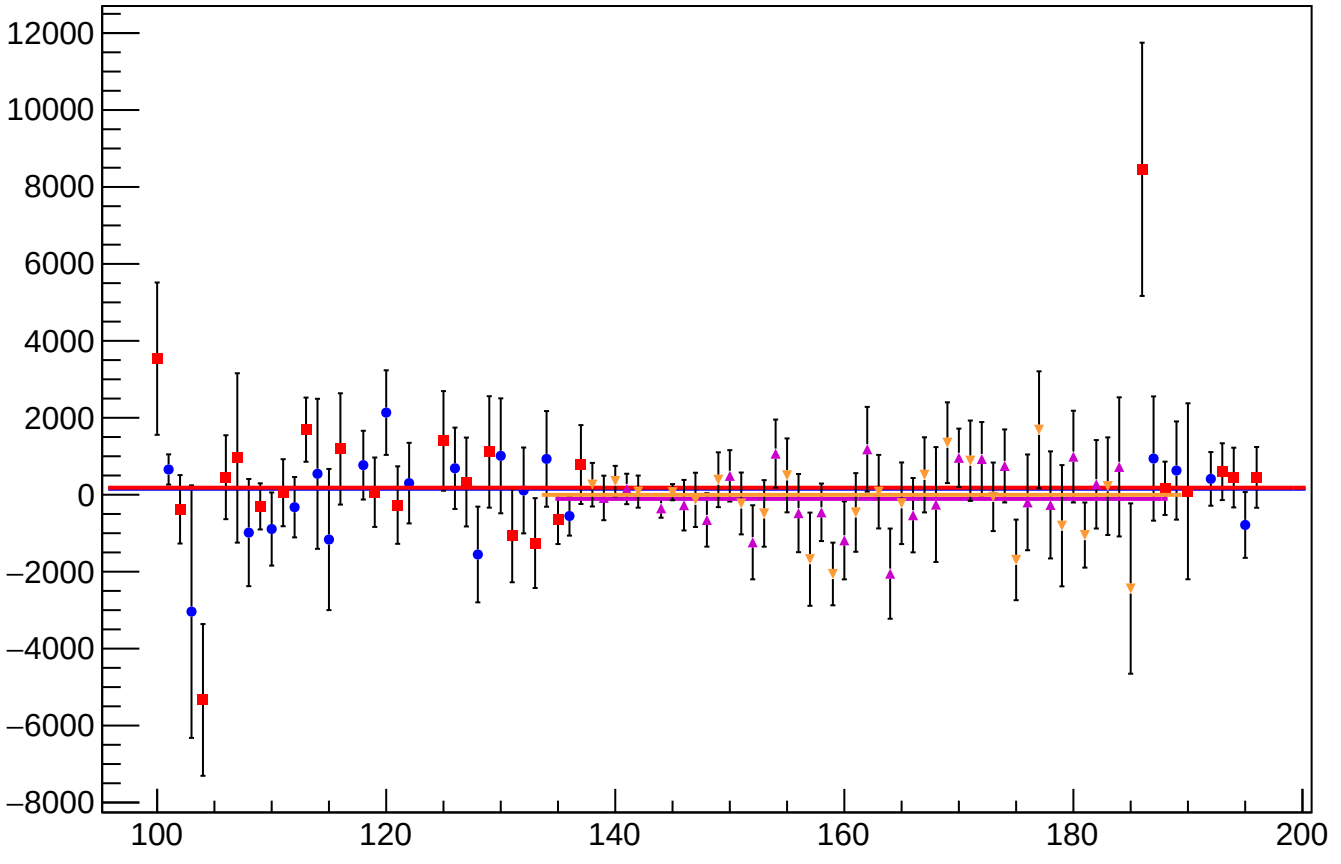
Right Out: 1847.890+/-0.389 χ^2/NDF: 291276.4/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.6/43

All: 1768.000+/-0.165 χ^2/NDF: 1078733.1/90

- sign 1773.508+/-0.231 χ^2/NDF: 349740.5/46



Right In: 155.122+/-199.694 χ^2/NDF: 15.6/19

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

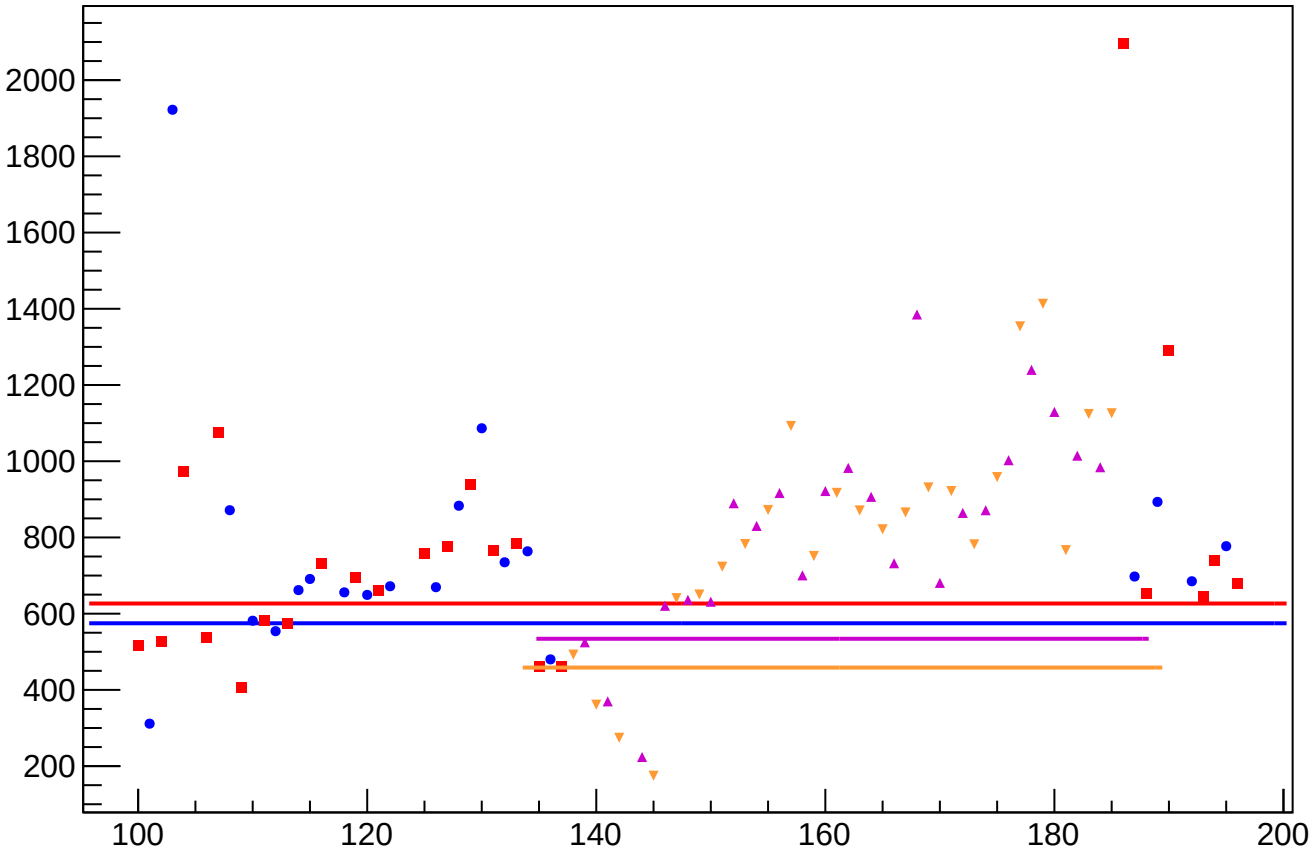
Right Out: 182.727+/-199.647 χ^2/NDF: 28.6/23

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.424+/-108.980 χ^2/NDF: 36.3/43

All: 19.301+/-79.562 χ^2/NDF: 83.5/90

- sign -9.371+/-116.424 χ^2/NDF: 47.0/46



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

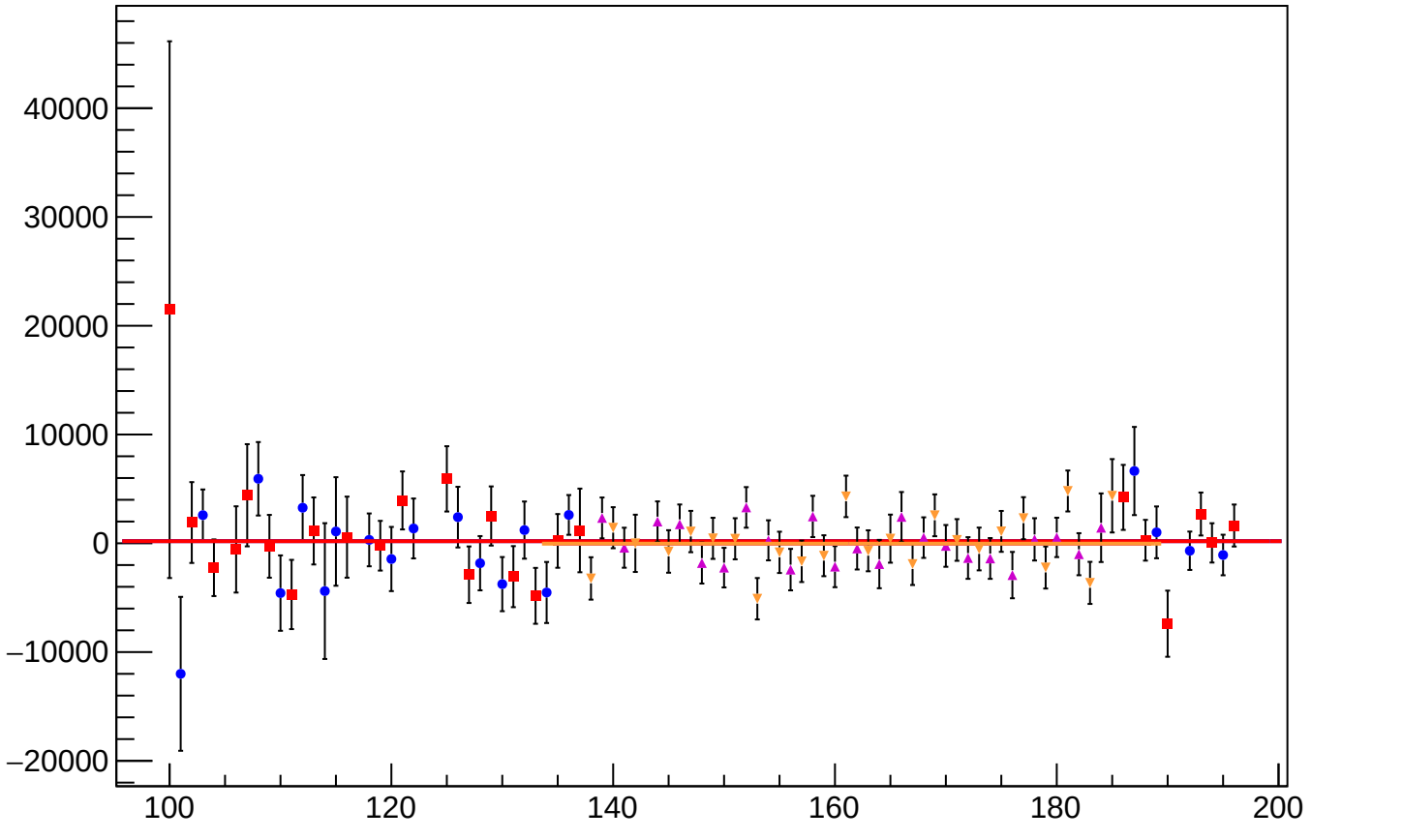
Right Out: 626.665+/-0.141 χ^2/NDF: 1510903.7/23

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 493.201+/-0.077 χ^2/NDF: 14112627.4/43

All: 527.023+/-0.056 χ^2/NDF: 24762134.3/90

- sign 565.623+/-0.082 χ^2/NDF: 10237025.3/46



Right In: 200.390+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 193.278+/-550.547 χ^2/NDF: 28.4/23

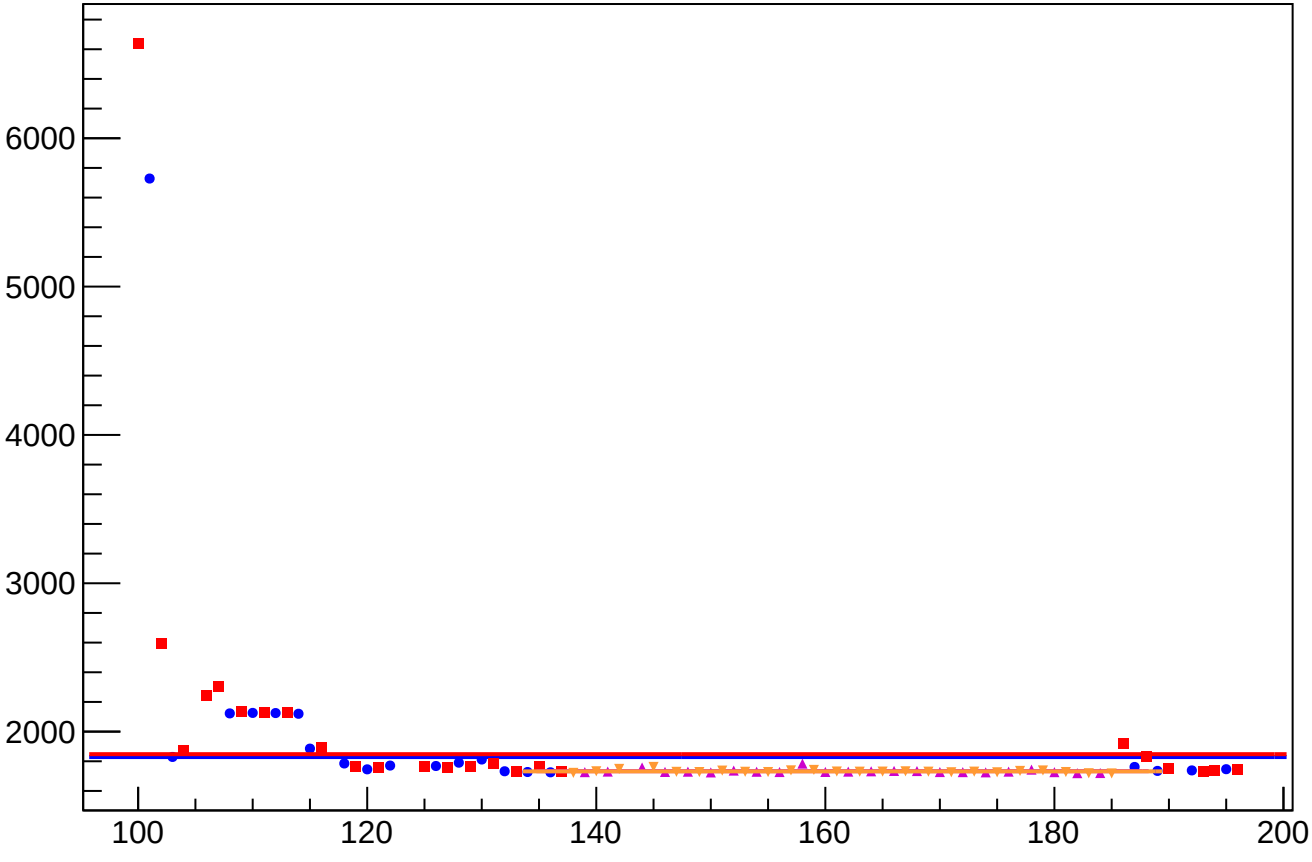
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 39.068+/-332.955 χ^2/NDF: 58.3/43

All: 36.267+/-232.966 χ^2/NDF: 106.2/90

- sign 33.580+/-326.081 χ^2/NDF: 47.9/46

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.7/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

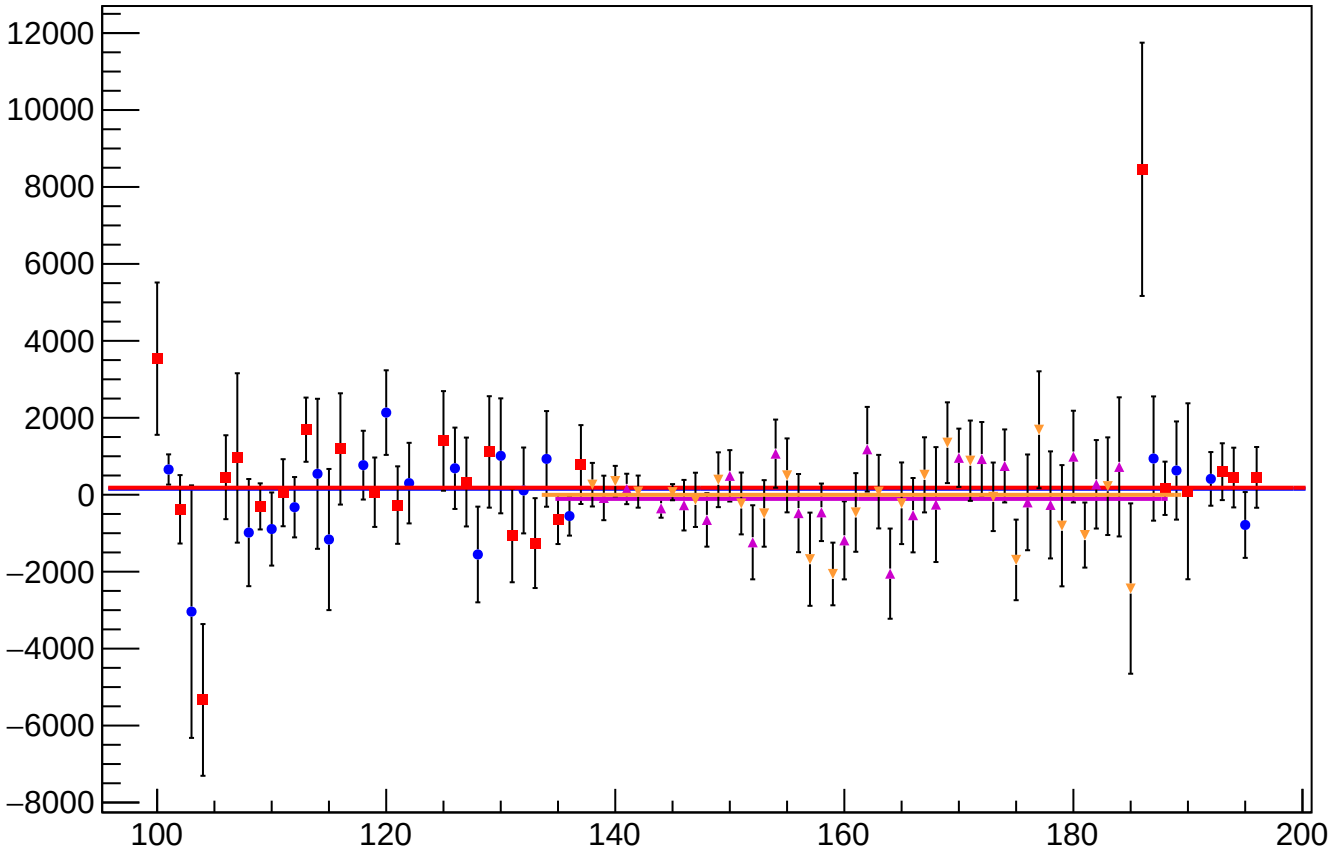
Right Out: 1847.890+/-0.389 χ^2/NDF: 291276.4/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.6/43

All: 1768.000+/-0.165 χ^2/NDF: 1078733.1/90

- sign 1773.508+/-0.231 χ^2/NDF: 349740.5/46



Right In: 155.122+/-199.694 χ^2/NDF: 15.6/19

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

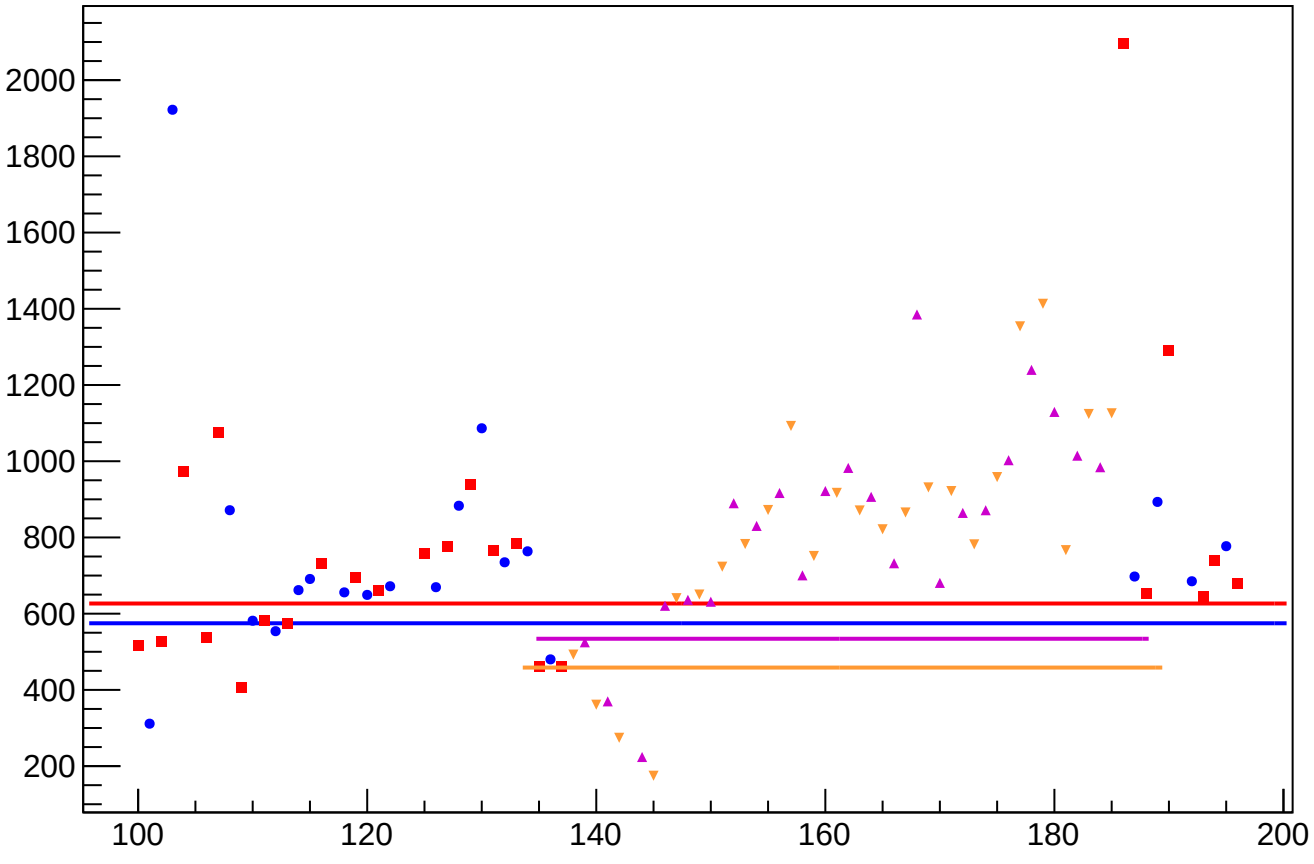
Right Out: 182.727+/-199.647 χ^2/NDF: 28.6/23

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.424+/-108.980 χ^2/NDF: 36.3/43

All: 19.301+/-79.562 χ^2/NDF: 83.5/90

- sign -9.371+/-116.424 χ^2/NDF: 47.0/46



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 626.665+/-0.141 χ^2/NDF: 1510903.7/23

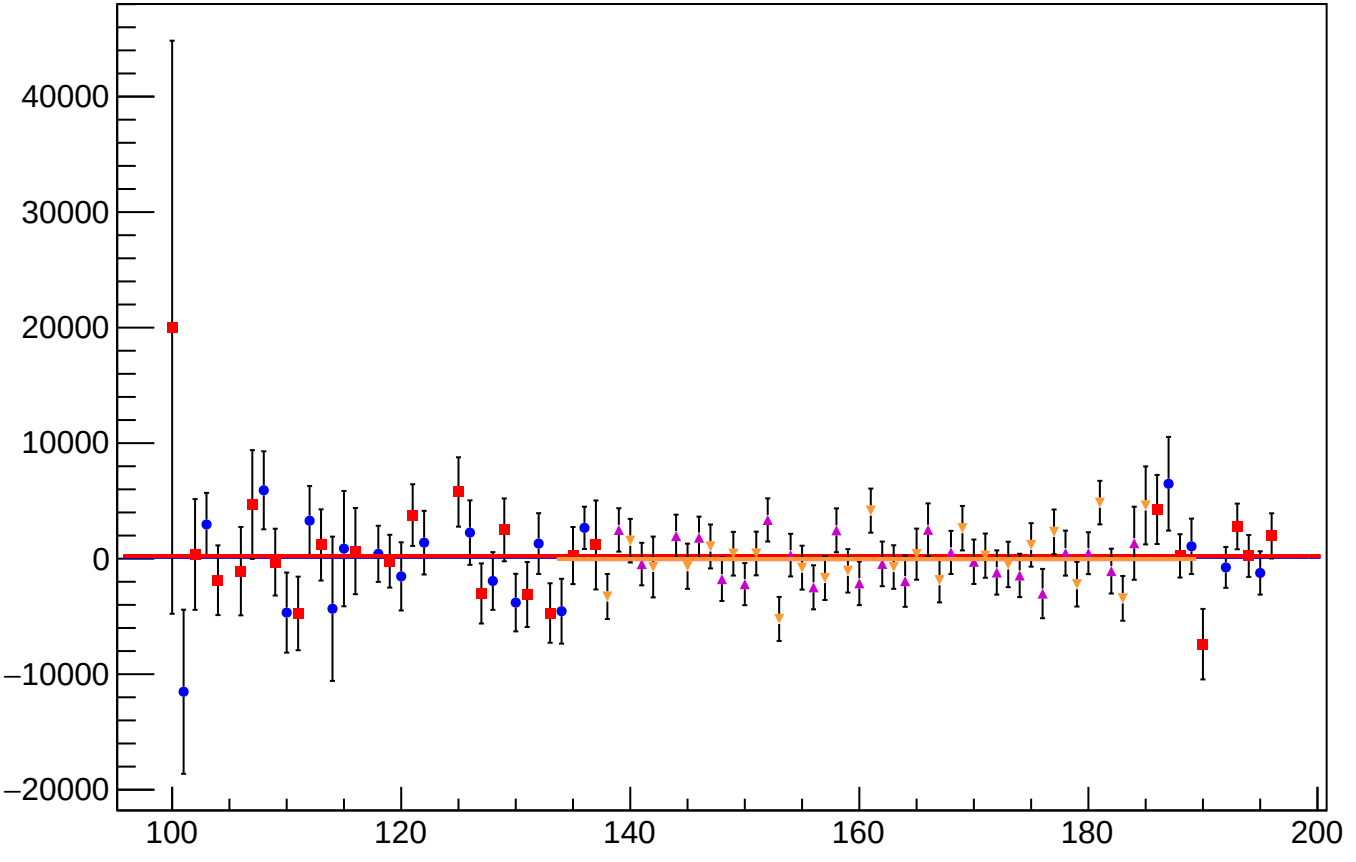
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 493.201+/-0.077 χ^2/NDF: 14112627.4/43

All: 527.023+/-0.056 χ^2/NDF: 24762134.3/90

- sign 565.623+/-0.082 χ^2/NDF: 10237025.3/46

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 152.548+/-600.153 χ^2/NDF: 22.8/19

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 229.571+/-556.845 χ^2/NDF: 27.9/23

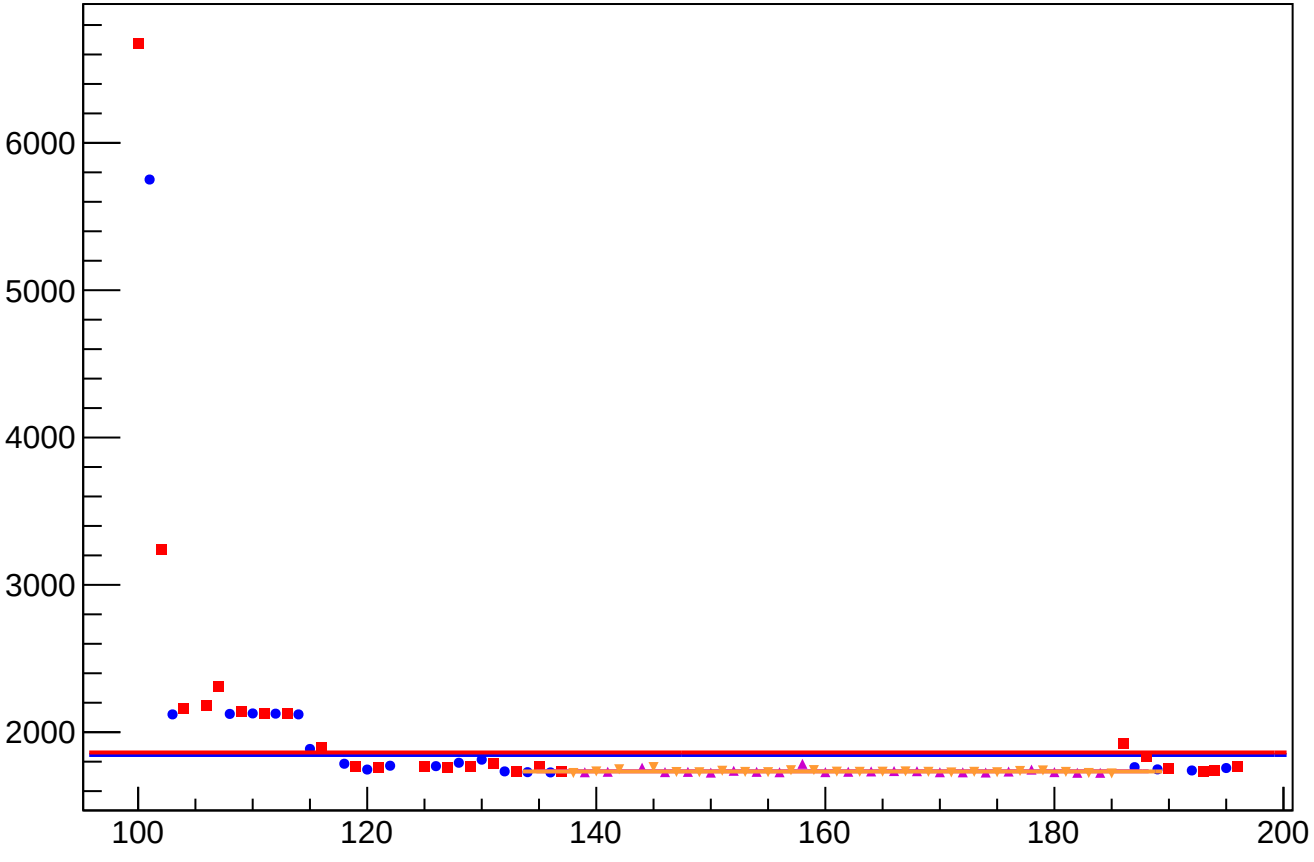
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 27.021+/-334.178 χ^2/NDF: 58.3/43

All: 39.590+/-233.924 χ^2/NDF: 106.2/90

- sign 51.667+/-327.559 χ^2/NDF: 47.9/46

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1845.480+/-0.424 χ^2/NDF: 711962.7/19

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

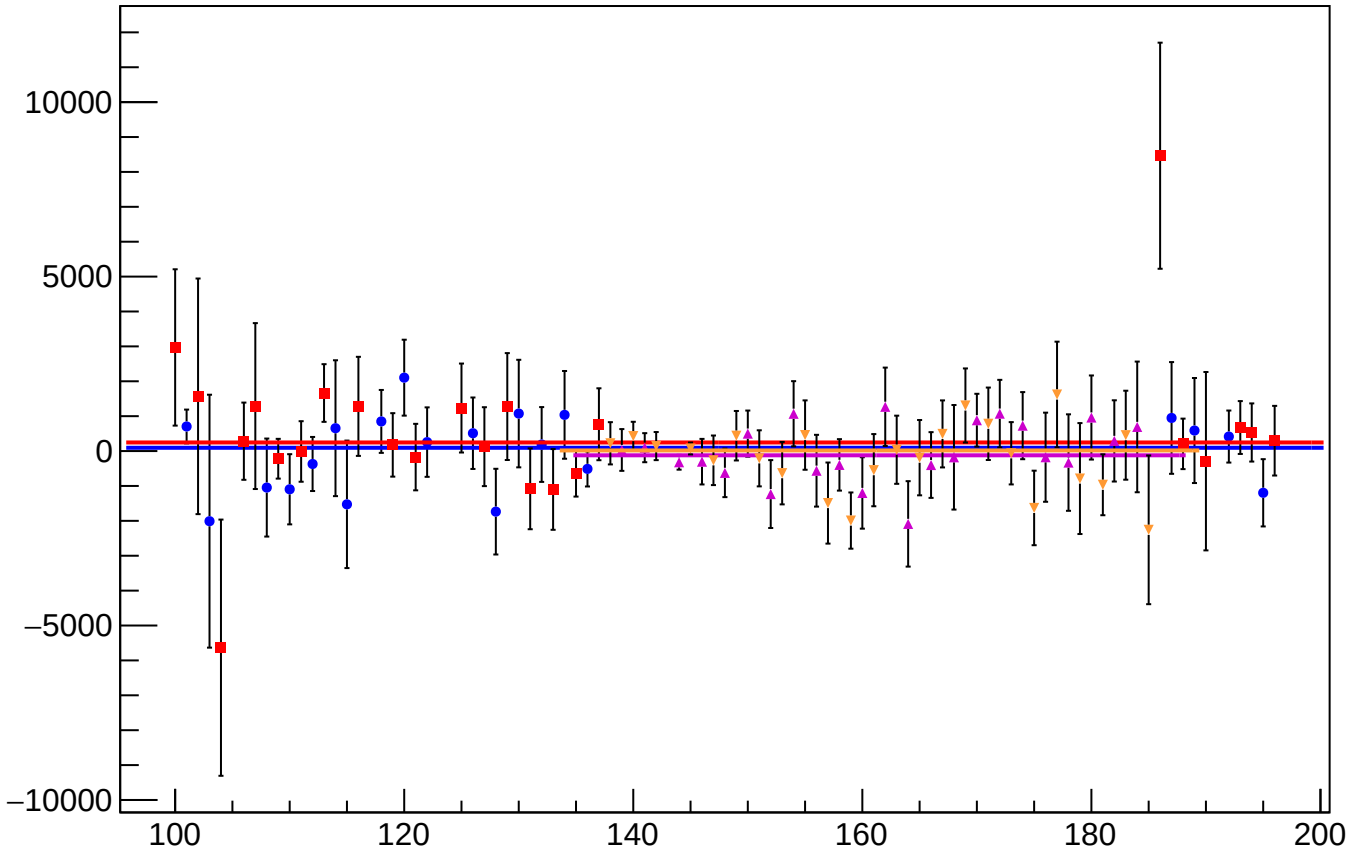
Right Out: 1862.324+/-0.394 χ^2/NDF: 391277.5/23

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.205+/-0.236 χ^2/NDF: 760923.1/43

All: 1773.676+/-0.165 χ^2/NDF: 1224014.6/90

- sign 1778.934+/-0.232 χ^2/NDF: 462040.1/46



Right In: 94.234+/-211.614 χ^2/NDF: 16.5/19

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

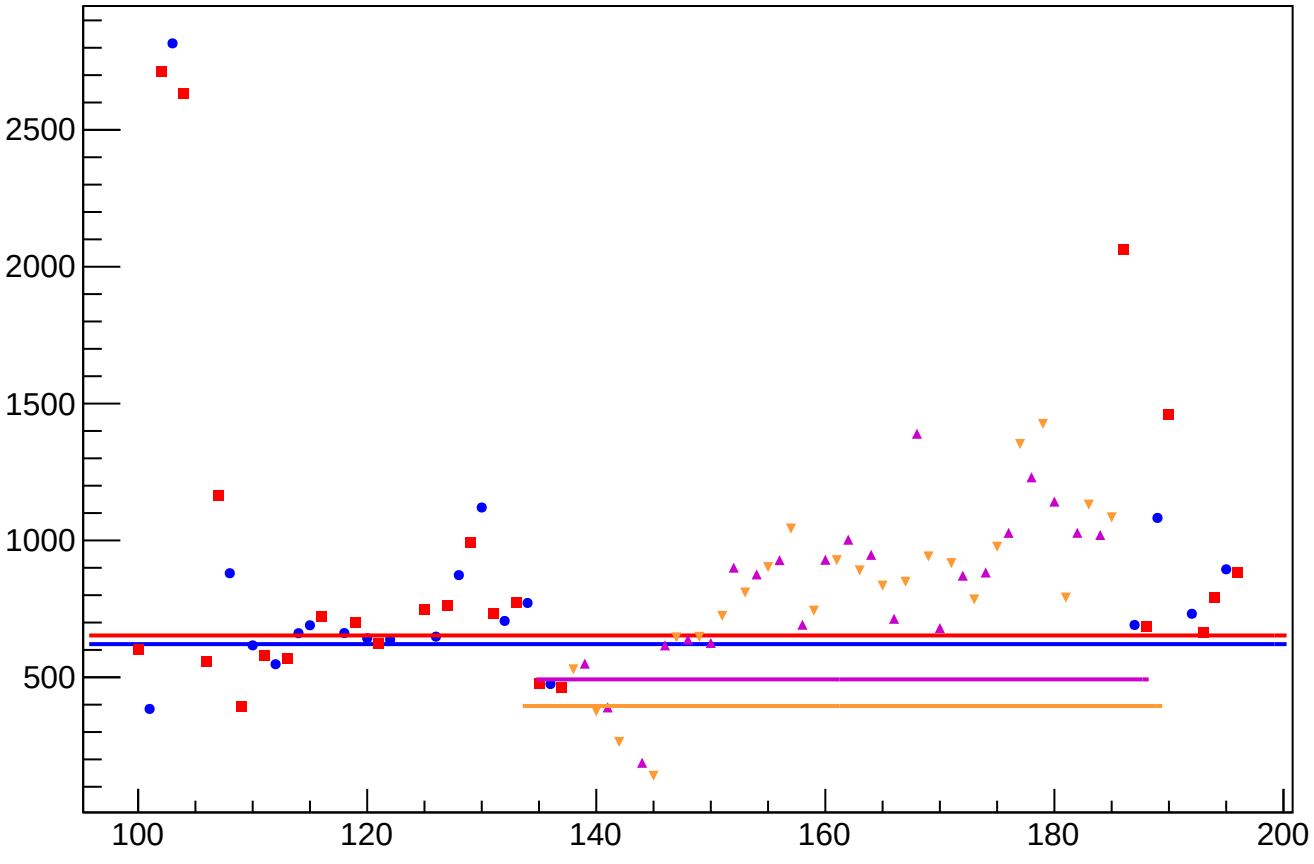
Right Out: 246.247+/-209.070 χ^2/NDF: 21.5/23

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 36.414+/-103.945 χ^2/NDF: 36.1/43

All: 15.028+/-77.015 χ^2/NDF: 76.3/90

- sign -11.002+/-114.677 χ^2/NDF: 40.1/46



Right In: 621.160+/-0.150 χ^2/NDF: 2207196.1/19

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

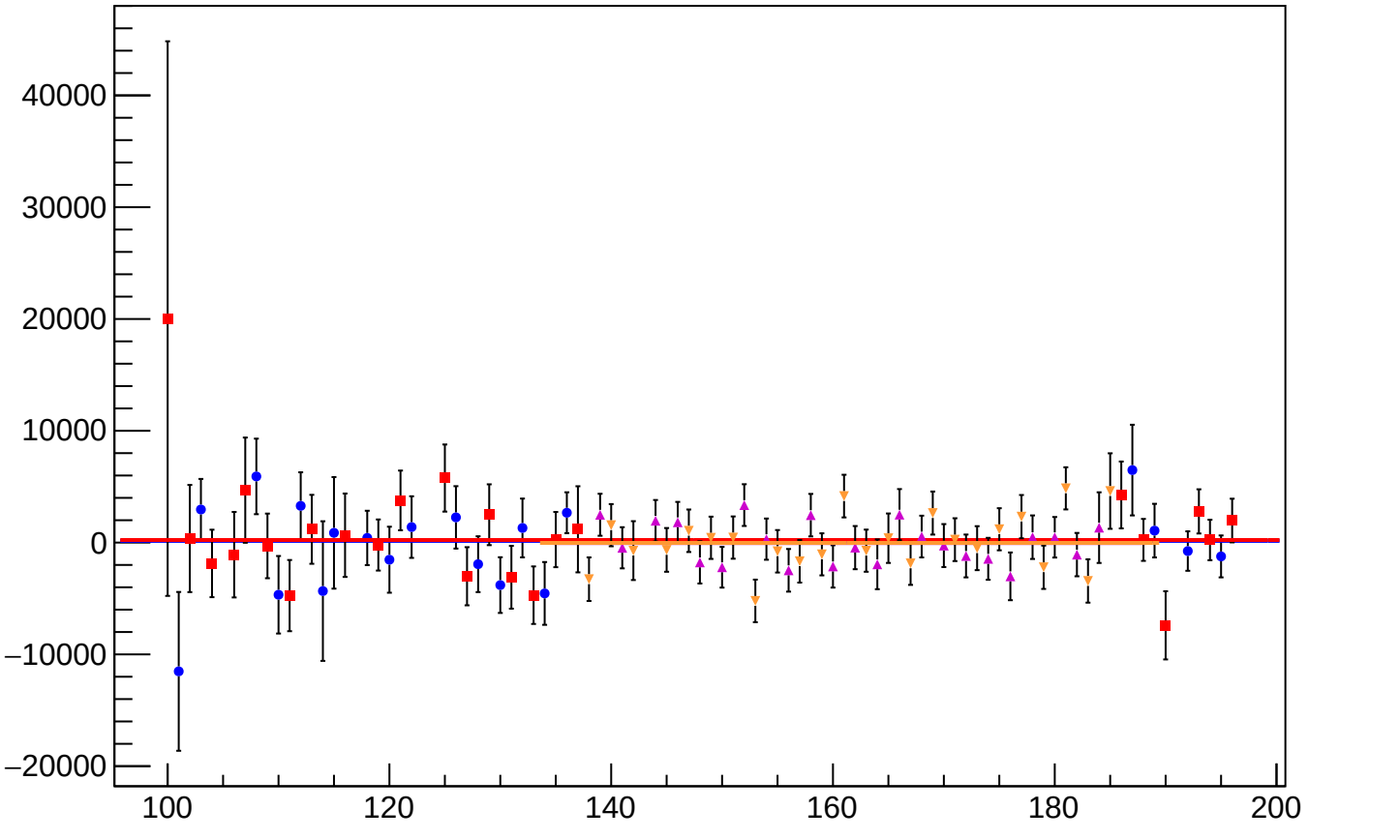
Right Out: 652.855+/-0.148 χ^2/NDF: 3015982.5/23

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 449.710+/-0.074 χ^2/NDF: 18271961.3/43

All: 490.704+/-0.054 χ^2/NDF: 33221842.2/90

- sign 540.601+/-0.081 χ^2/NDF: 14260165.4/46



Right In: 152.548+/-600.153 χ^2/NDF: 22.8/19

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 229.570+/-556.845 χ^2/NDF: 27.9/23

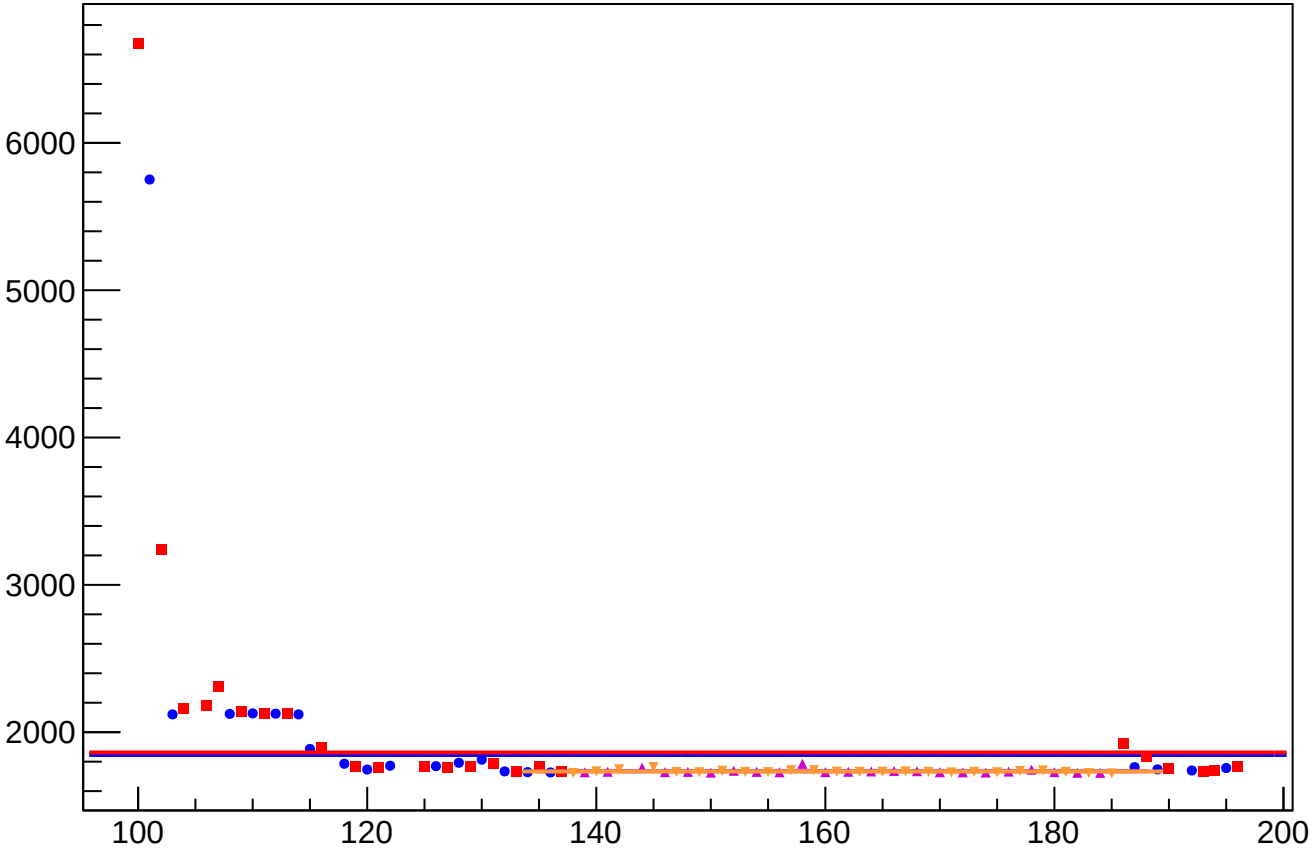
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 27.019+/-334.178 χ^2/NDF: 58.3/43

All: 39.589+/-233.924 χ^2/NDF: 106.2/90

- sign 51.667+/-327.559 χ^2/NDF: 47.9/46

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1845.480+/-0.424 χ^2/NDF: 711962.4/19

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

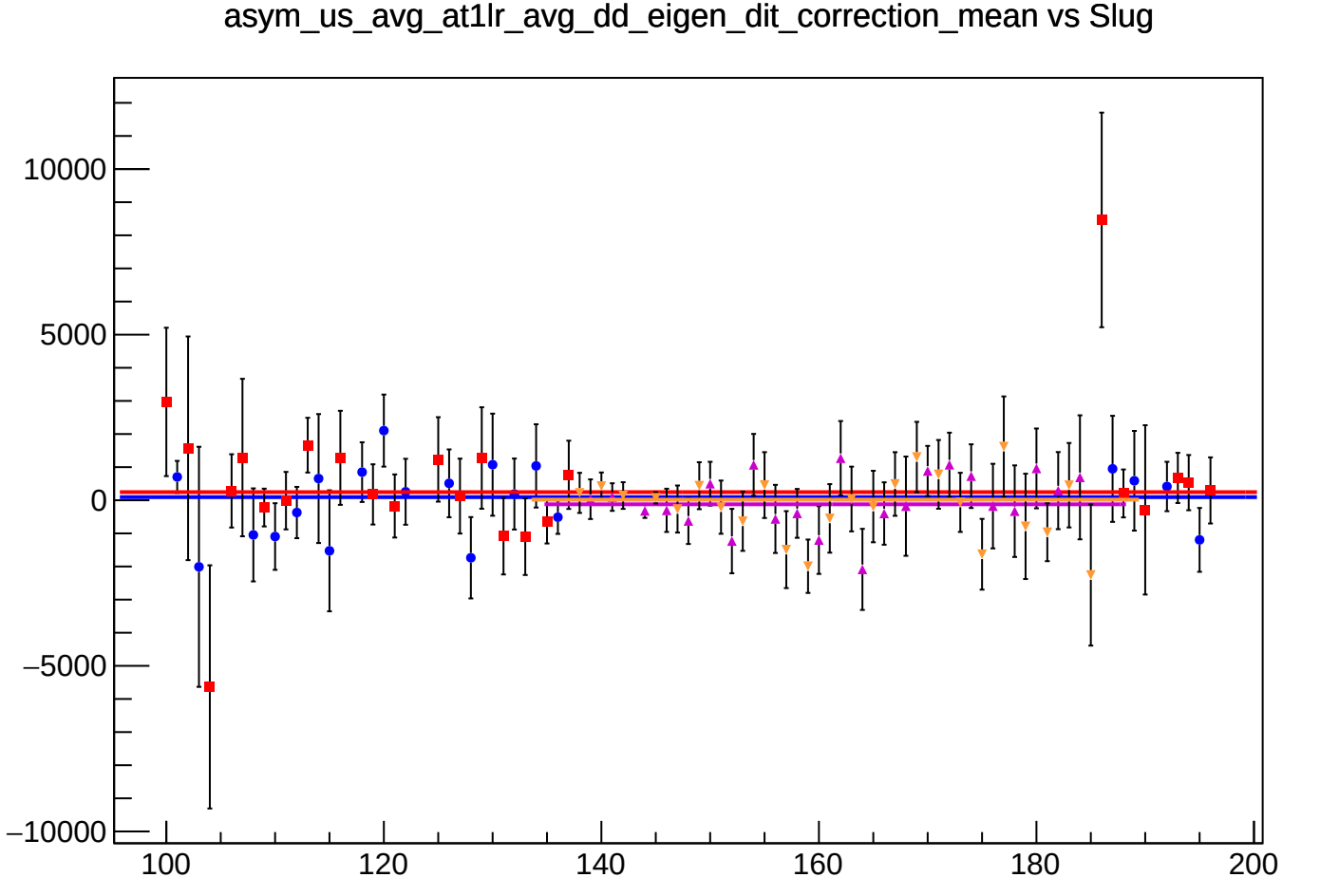
Right Out: 1862.324+/-0.394 χ^2/NDF: 391276.6/23

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.205+/-0.236 χ^2/NDF: 760922.7/43

All: 1773.676+/-0.165 χ^2/NDF: 1224013.3/90

- sign 1778.934+/-0.232 χ^2/NDF: 462039.2/46



Right In: 94.232+/-211.613 χ^2/NDF: 16.5/19

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

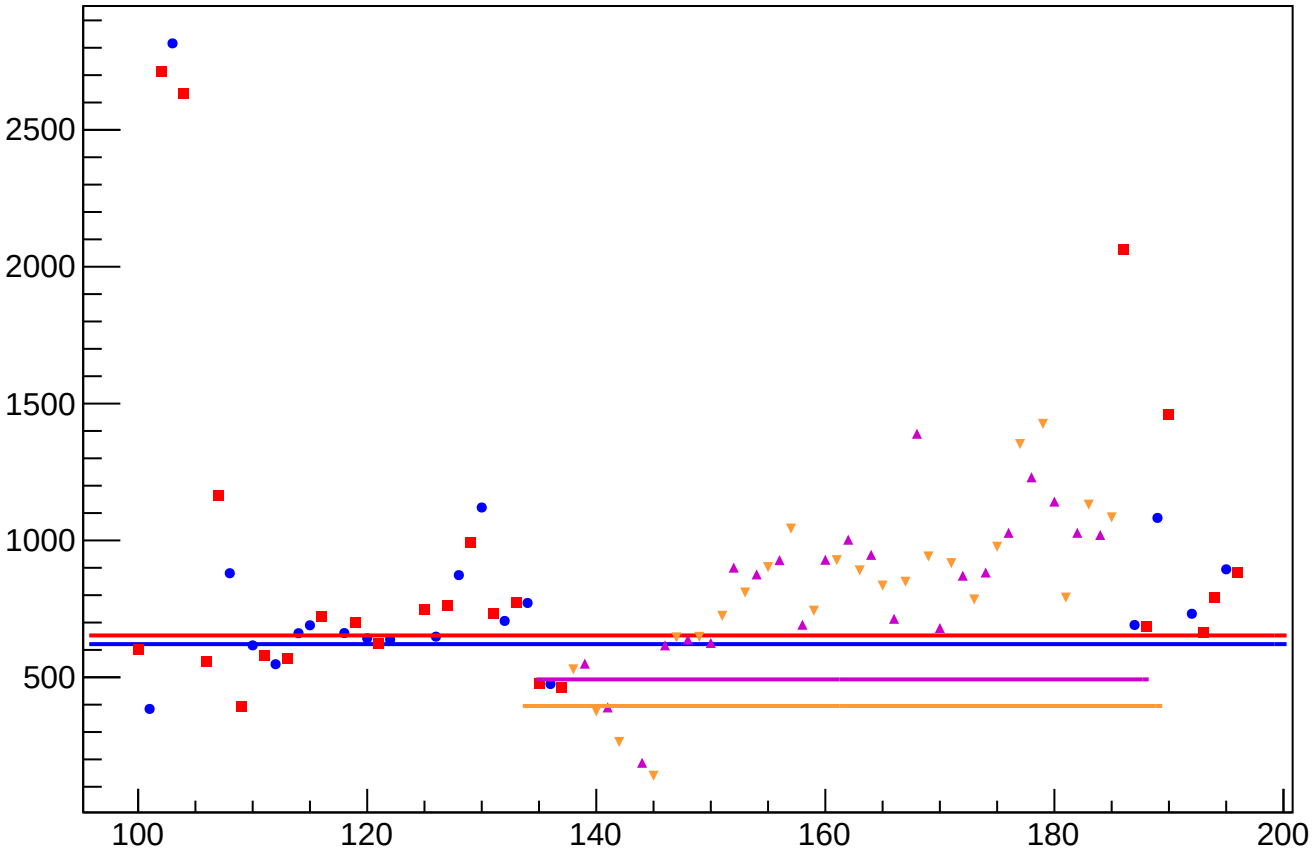
Right Out: 246.244+/-209.069 χ^2/NDF: 21.5/23

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 36.413+/-103.945 χ^2/NDF: 36.1/43

All: 15.027+/-77.015 χ^2/NDF: 76.3/90

- sign -11.003+/-114.677 χ^2/NDF: 40.1/46



Right In: 621.158+/-0.150 χ^2/NDF: 2207189.5/19

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 652.851+/-0.148 χ^2/NDF: 3016003.8/23

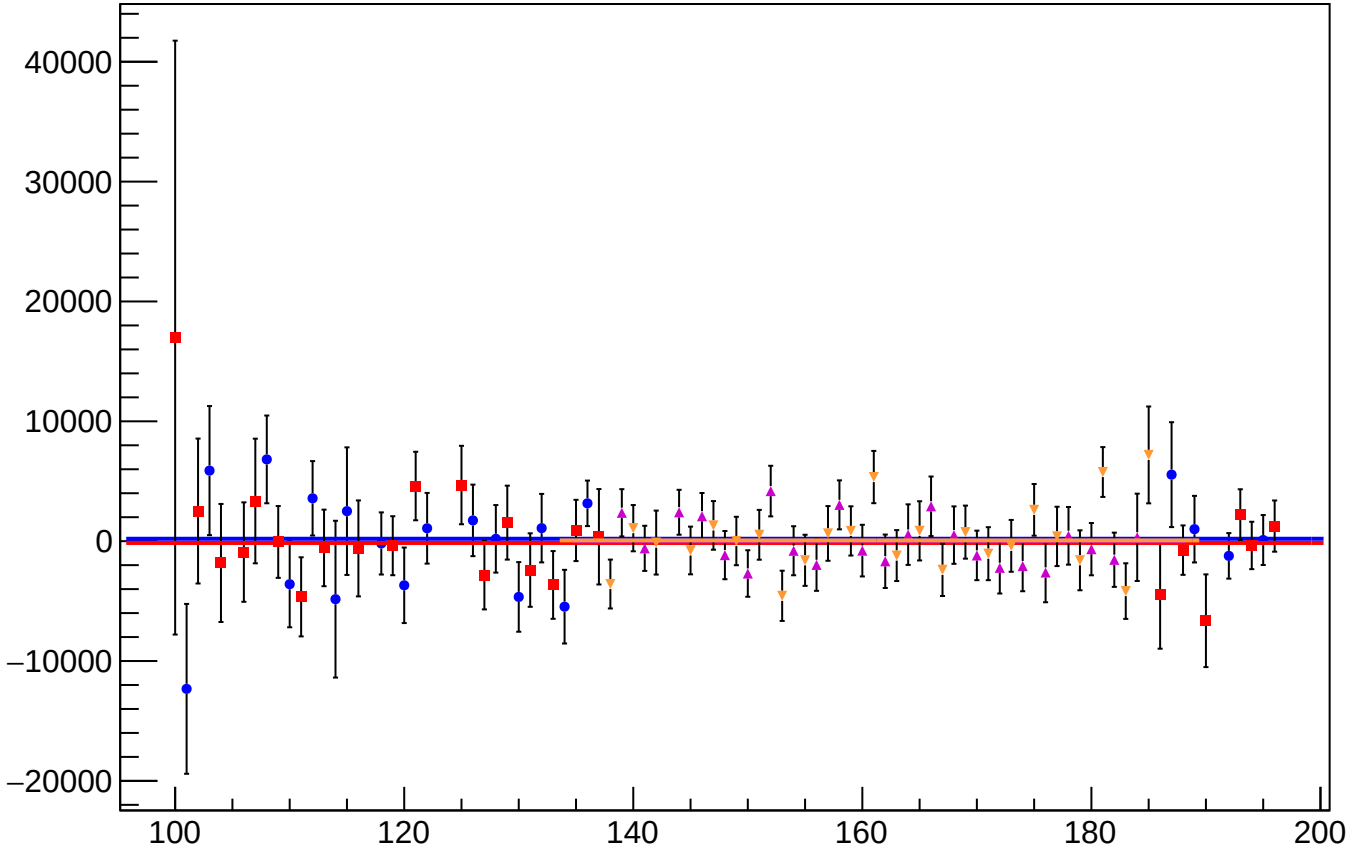
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 449.710+/-0.074 χ^2/NDF: 18271975.3/43

All: 490.704+/-0.054 χ^2/NDF: 33221854.3/90

- sign 540.601+/-0.081 χ^2/NDF: 14260166.0/46

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 201.433+/-661.560 χ^2/NDF: 23.3/19

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -149.285+/-615.842 χ^2/NDF: 17.1/23

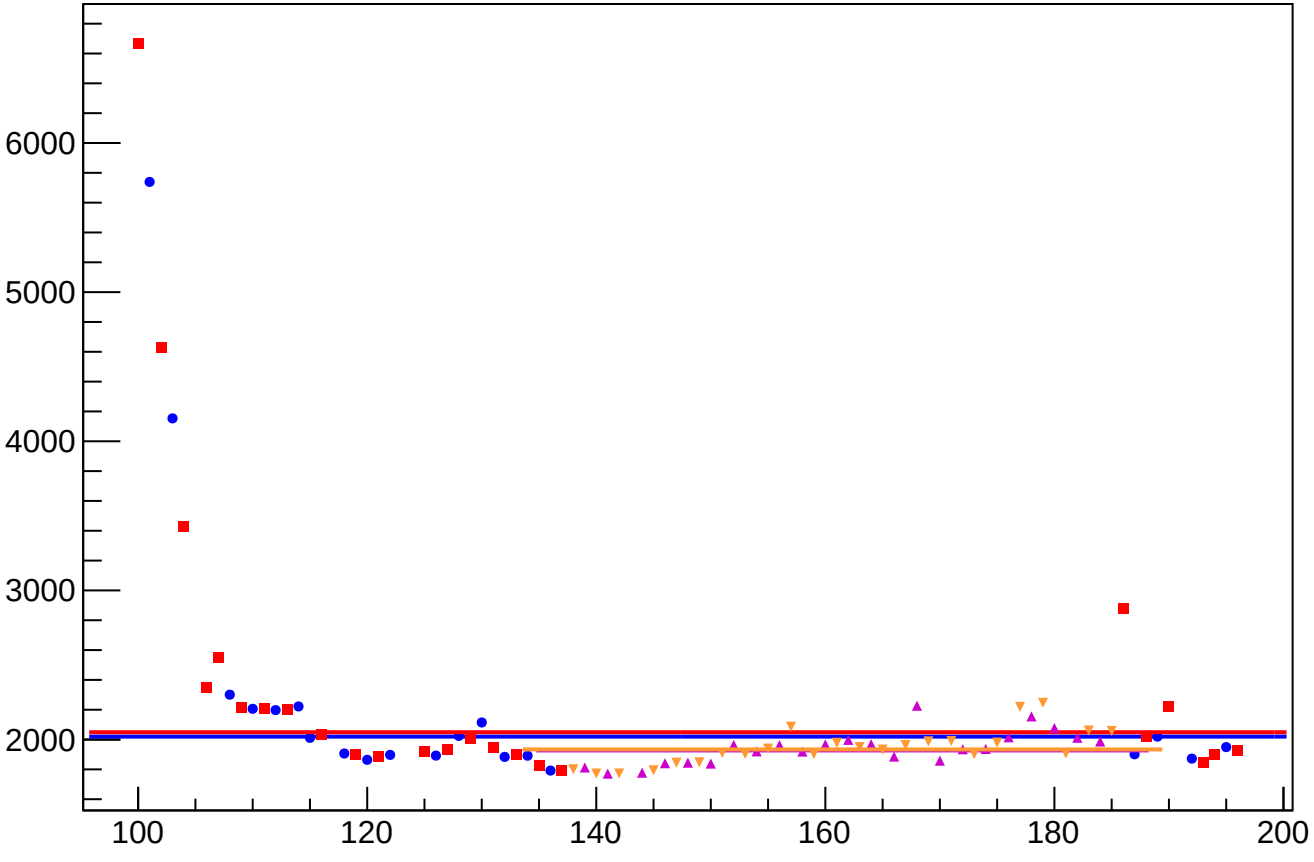
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 109.260+/-371.939 χ^2/NDF: 56.9/43

All: 18.280+/-260.051 χ^2/NDF: 94.2/90

- sign -68.730+/-363.734 χ^2/NDF: 37.1/46

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2019.808+/-0.468 χ^2/NDF: 960724.6/19

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

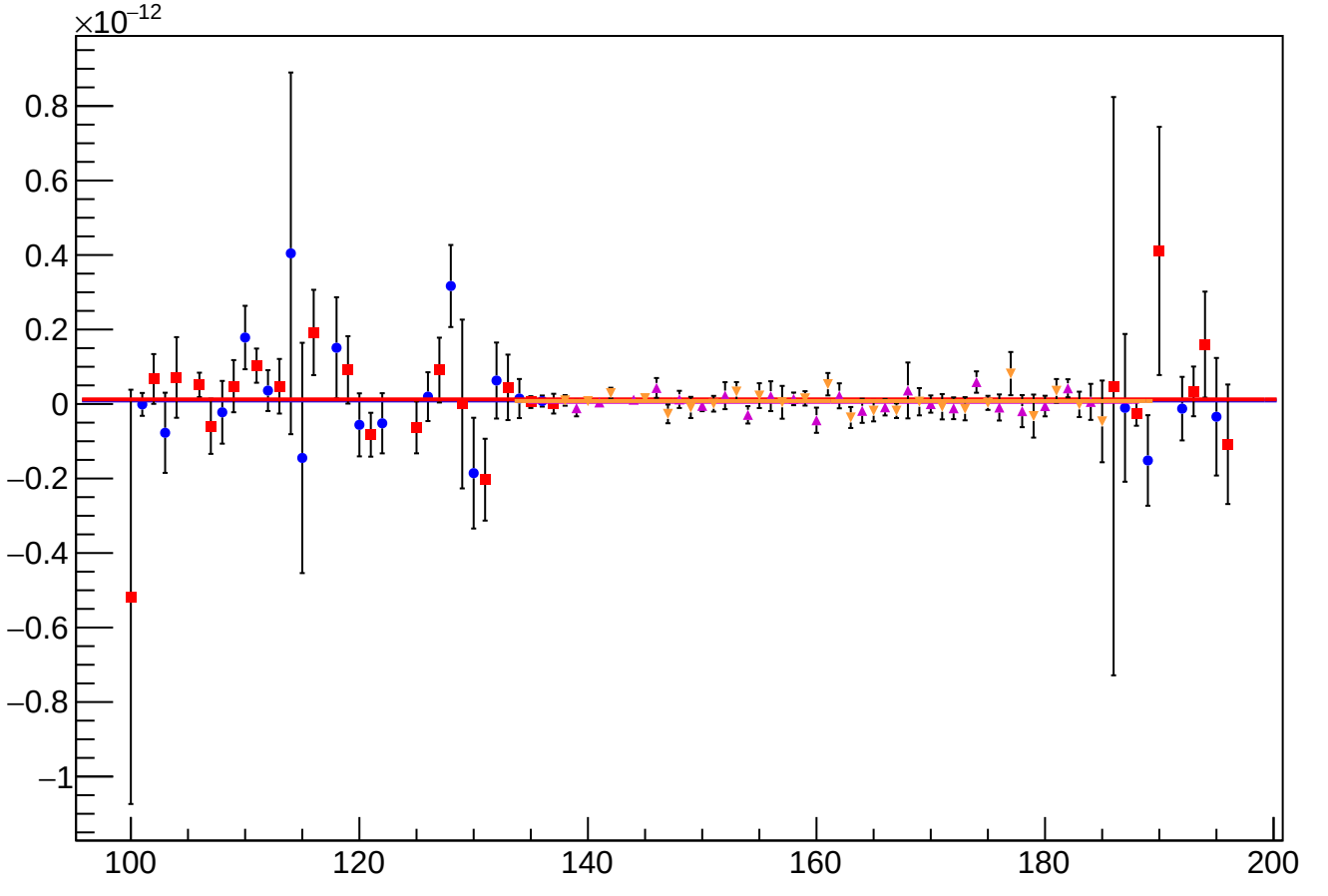
Right Out: 2049.249+/-0.435 χ^2/NDF: 795619.7/23

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1960.989+/-0.263 χ^2/NDF: 1112373.1/43

All: 1965.455+/-0.184 χ^2/NDF: 2076205.8/90

- sign 1969.727+/-0.257 χ^2/NDF: 963268.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

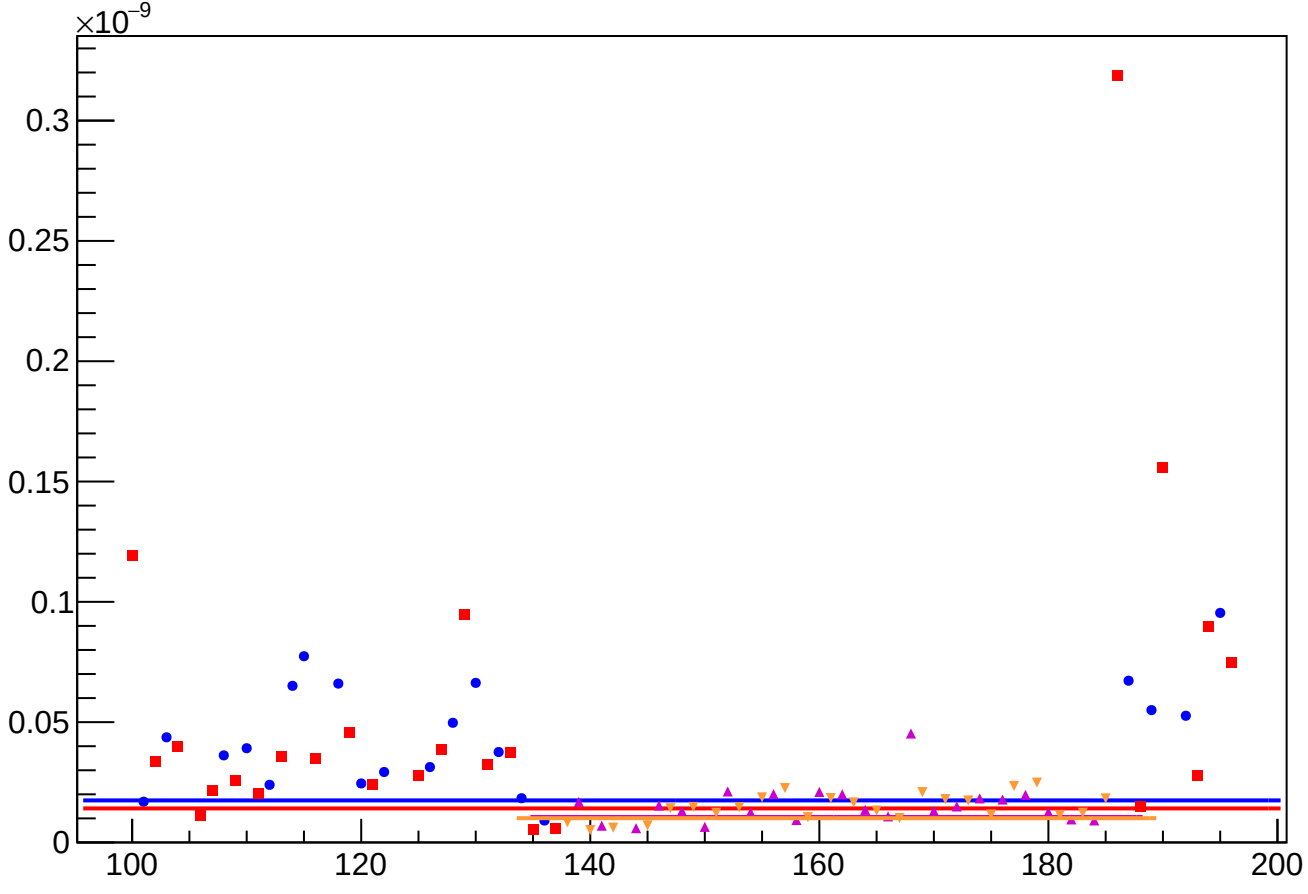
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/23

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/43

All: 0.000+/-0.000 χ^2/NDF: 79.9/90

- sign 0.000+/-0.000 χ^2/NDF: 42.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 3116938.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

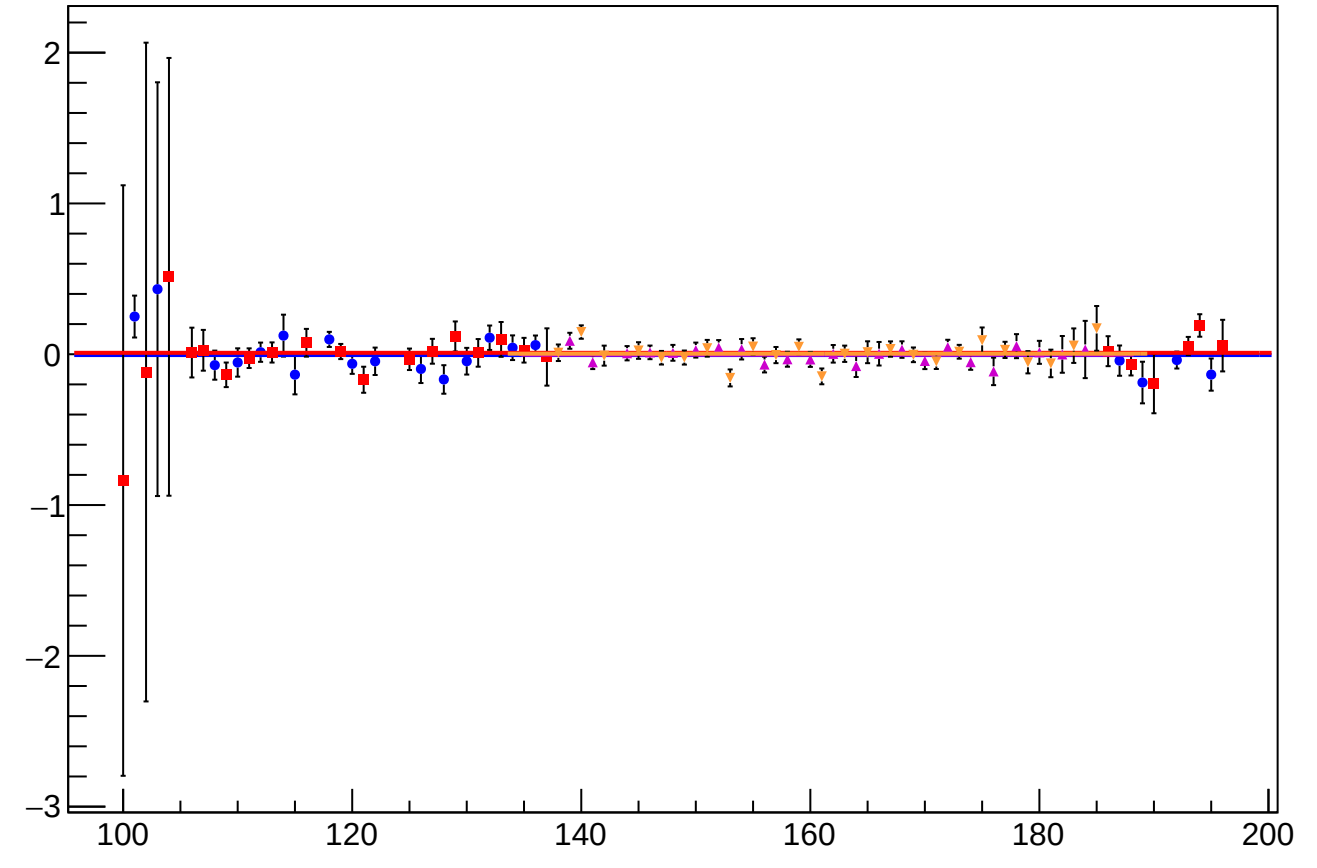
Right Out: 0.000+/-0.000 χ^2/NDF: 4124054.0/23

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6126993.4/43

All: 0.000+/-0.000 χ^2/NDF: 13042727.8/90

- sign 0.000+/-0.000 χ^2/NDF: 6914256.8/46



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

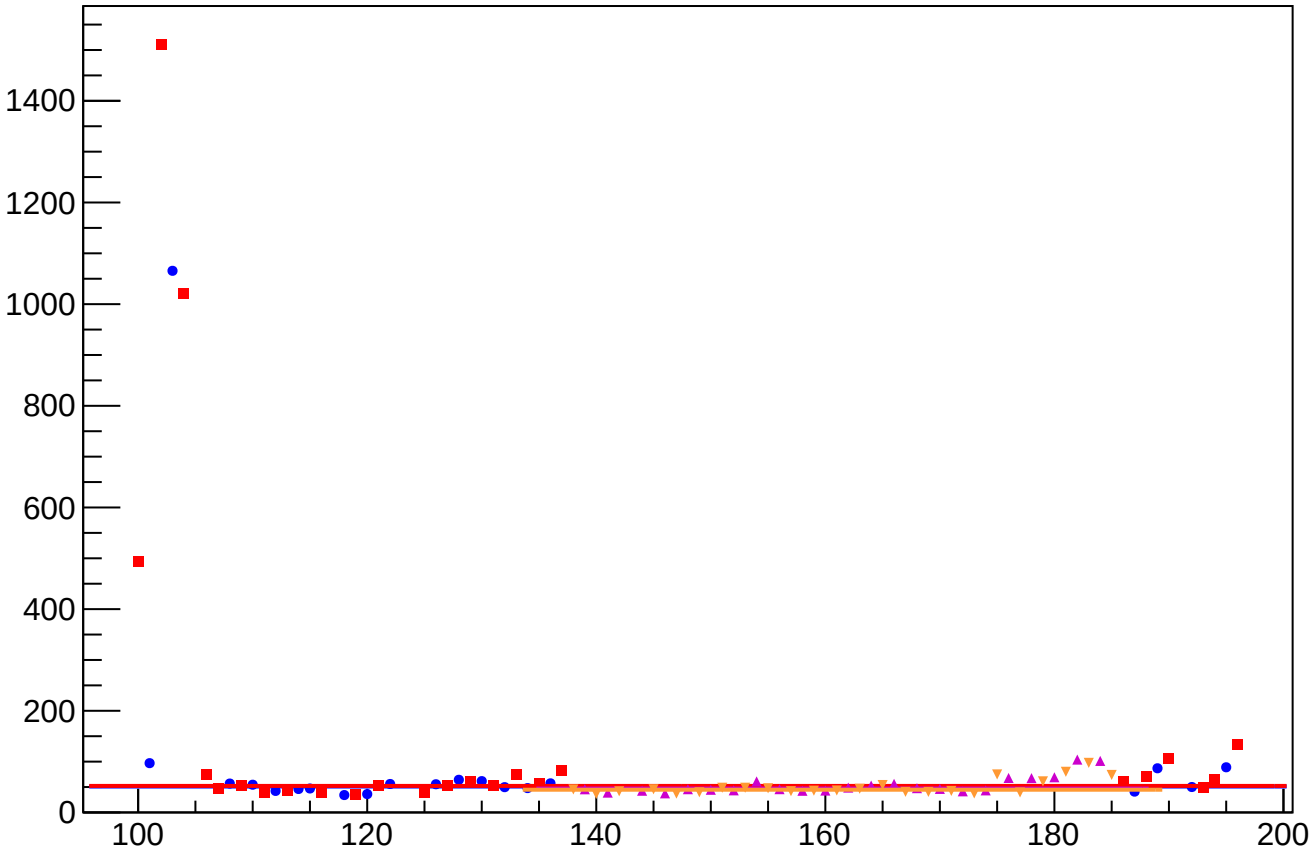
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.2/90

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

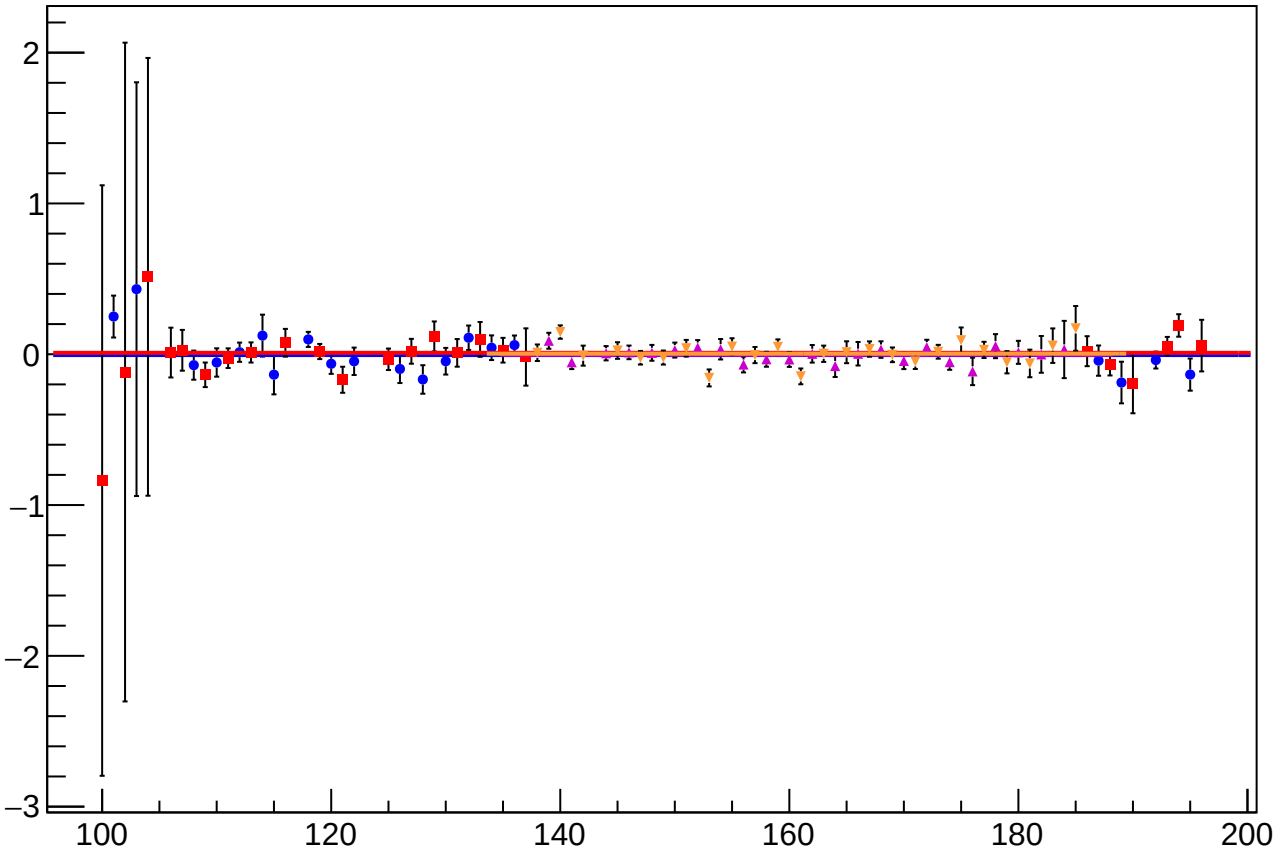
Right Out: 52.203+/-0.013 χ^2/NDF: 3308453.1/23

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.454+/-0.007 χ^2/NDF: 3843062.2/43

All: 47.488+/-0.005 χ^2/NDF: 8691115.2/90

- sign 48.566+/-0.007 χ^2/NDF: 4802687.1/46



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

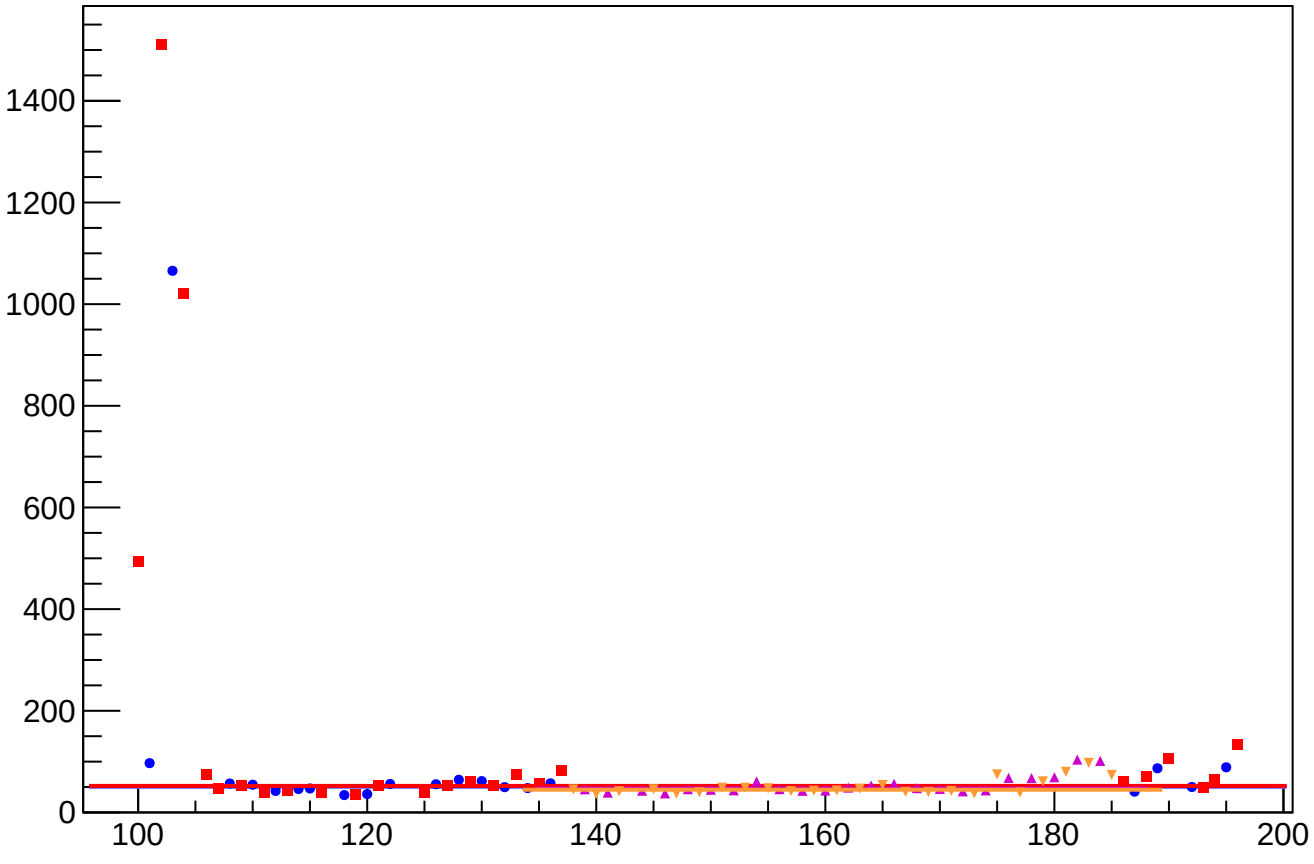
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.2/90

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

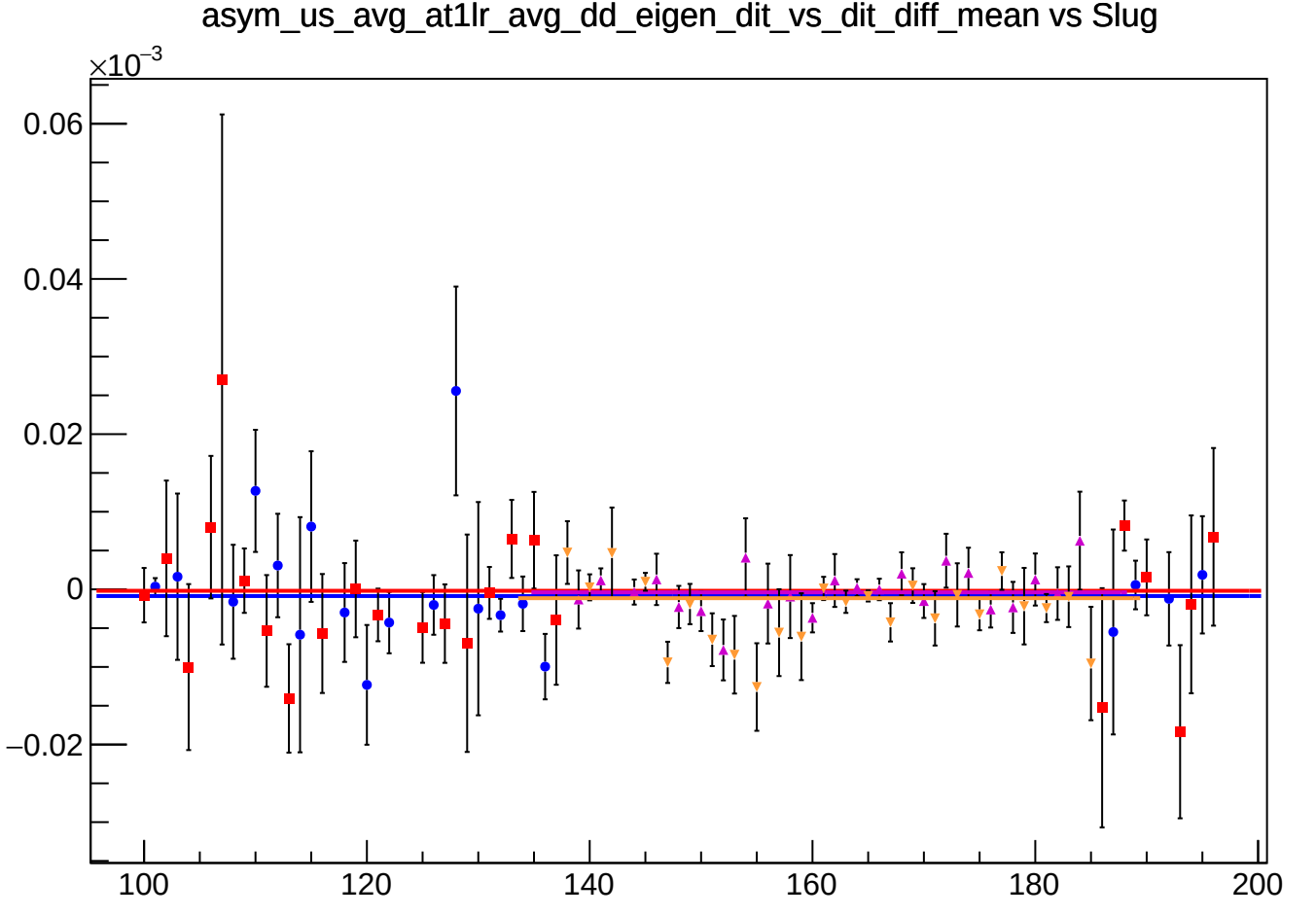
Right Out: 52.203+/-0.013 χ^2/NDF: 3308453.1/23

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.454+/-0.007 χ^2/NDF: 3843062.2/43

All: 47.488+/-0.005 χ^2/NDF: 8691115.2/90

- sign 48.566+/-0.007 χ^2/NDF: 4802687.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

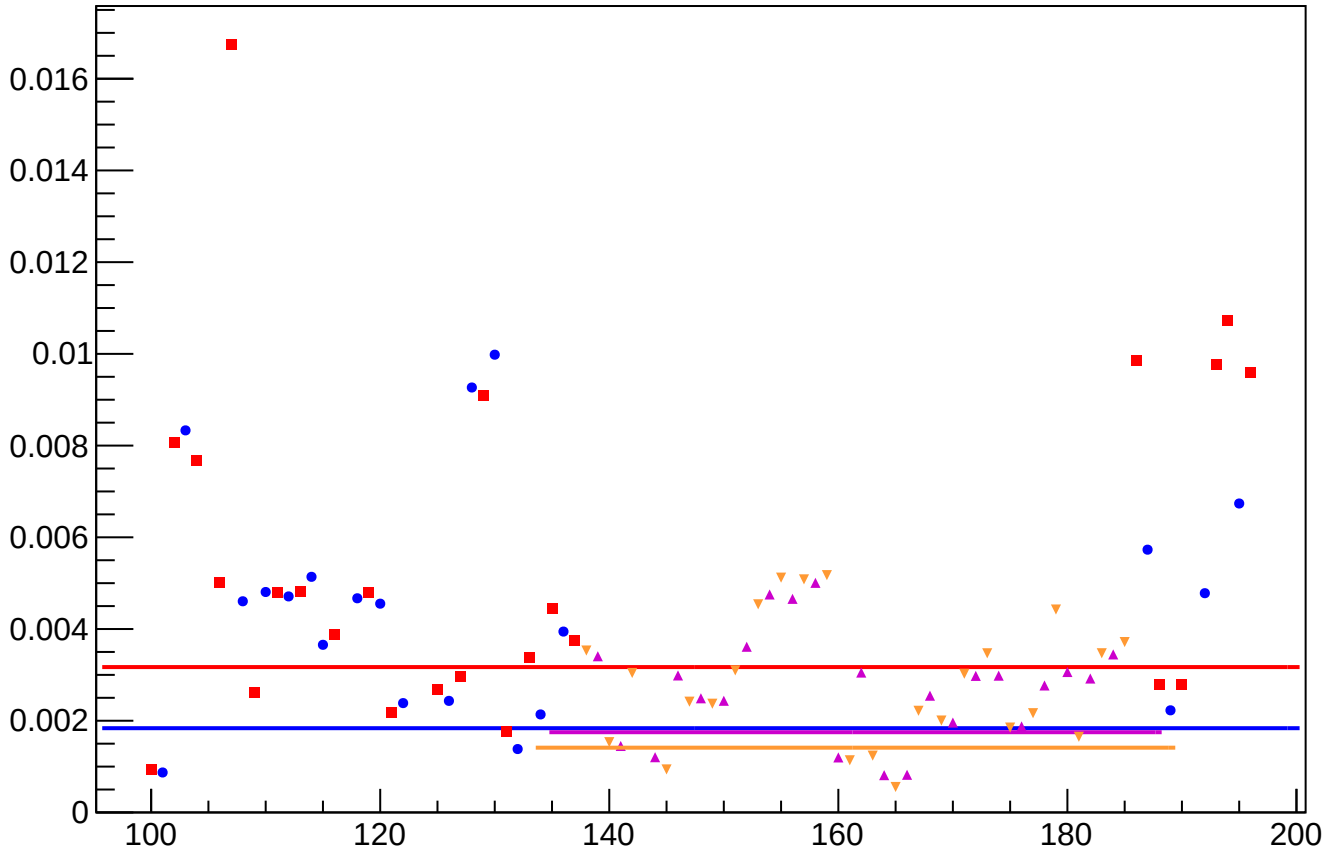
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/23

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.0/43

All: -0.000+/-0.000 χ^2/NDF: 97.3/90

- sign -0.000+/-0.000 χ^2/NDF: 40.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 7556884.2/19

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

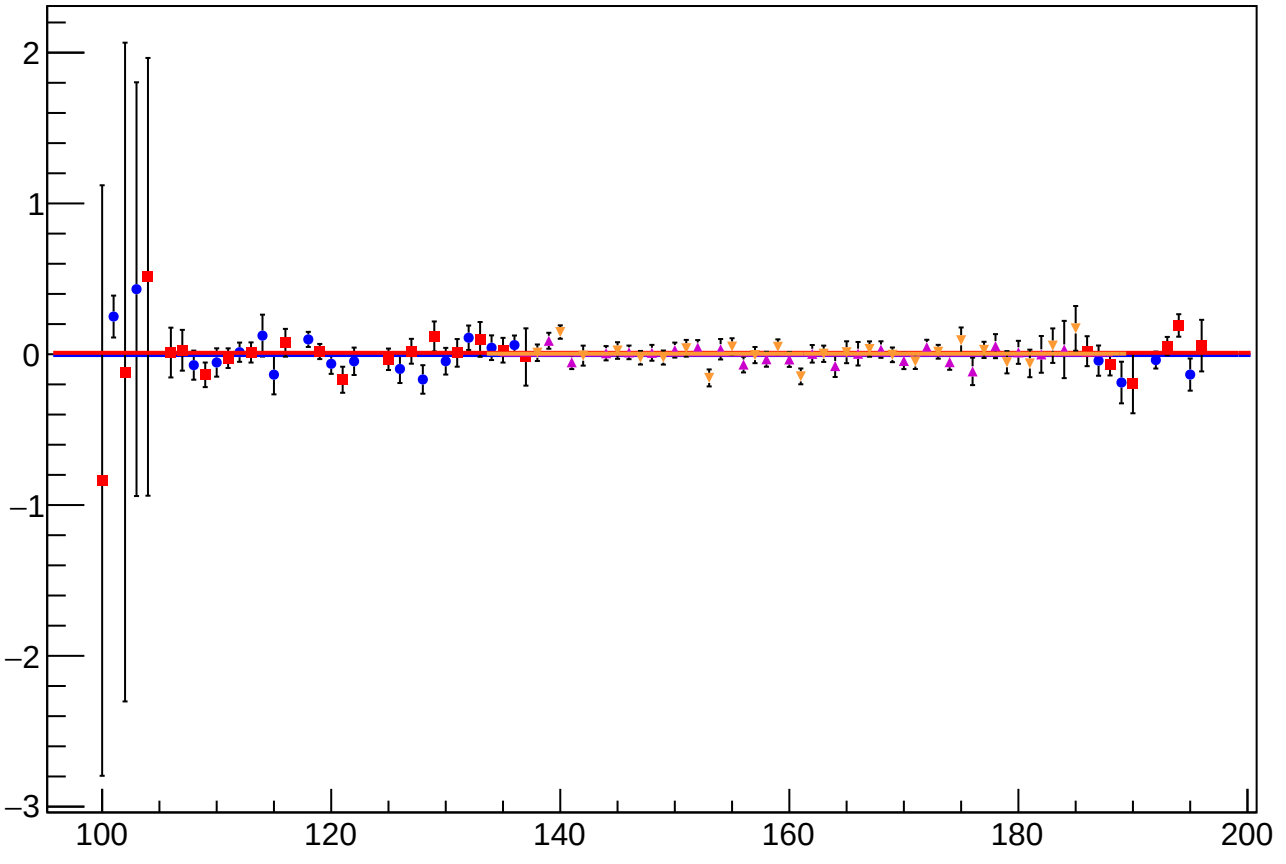
Right Out: 0.003+/-0.000 χ^2/NDF: 6051983.6/23

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 19600072.9/43

All: 0.002+/-0.000 χ^2/NDF: 37808223.0/90

- sign 0.002+/-0.000 χ^2/NDF: 16902557.3/46



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

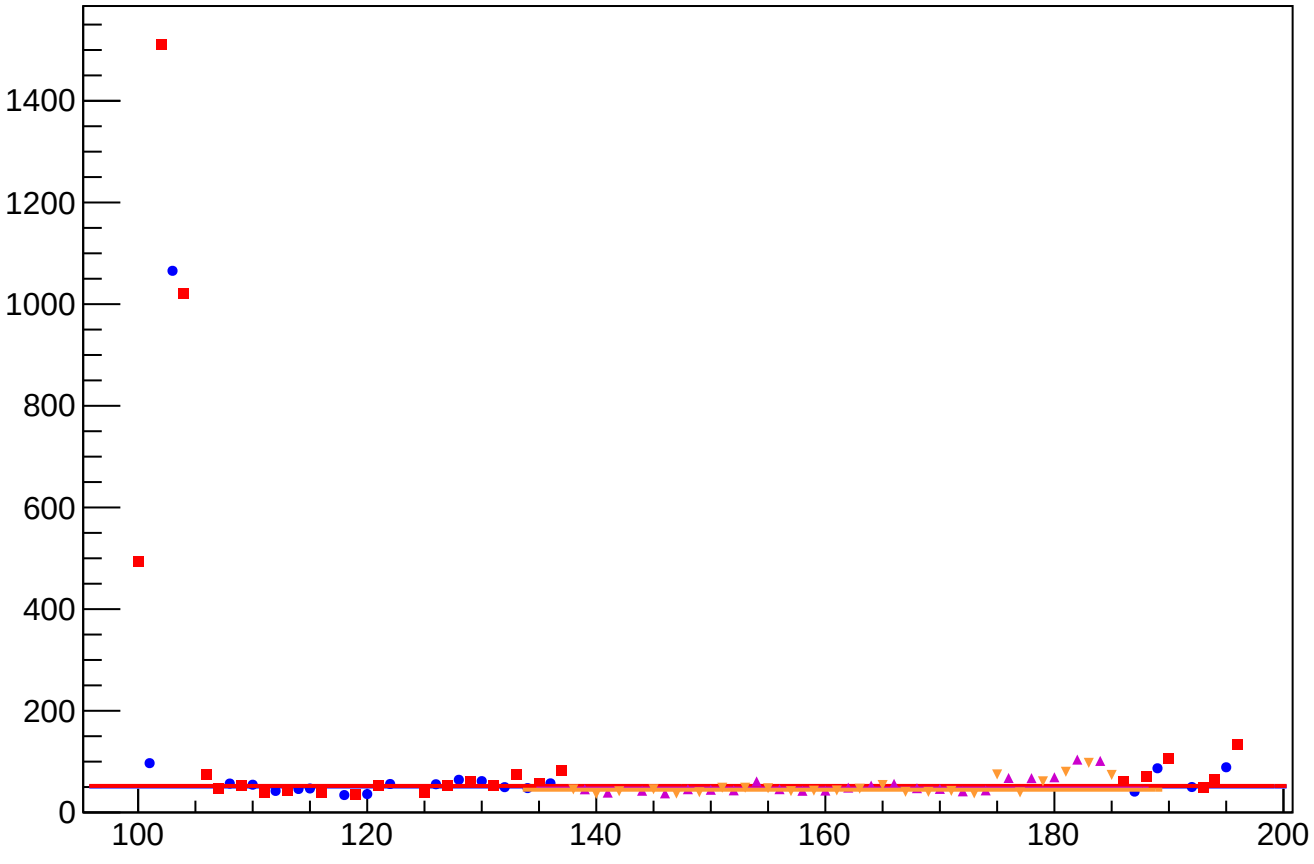
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.2/90

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46



Right In: 51.041+/-0.013 χ^2/NDF: 2197553.6/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

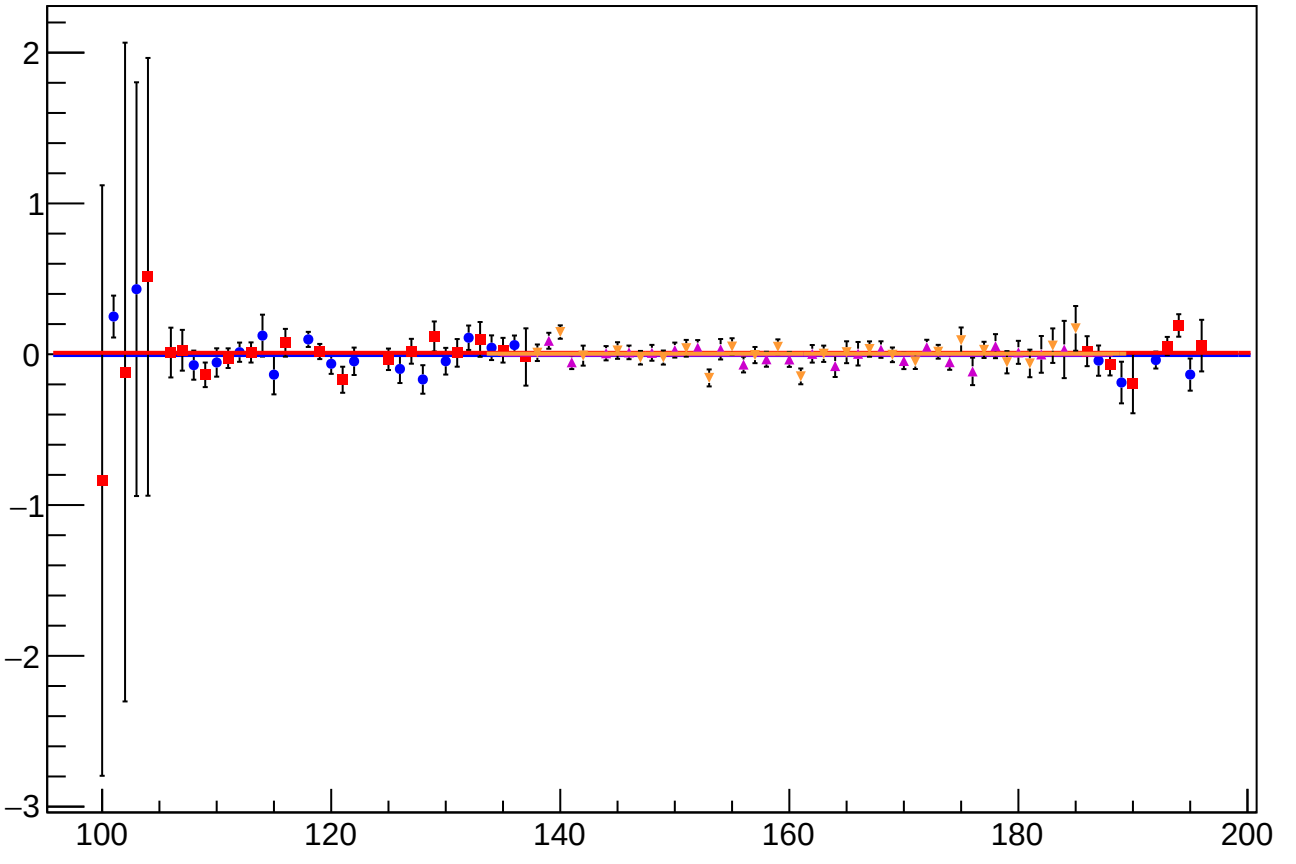
Right Out: 52.203+/-0.013 χ^2/NDF: 3308511.2/23

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 46.454+/-0.007 χ^2/NDF: 3842979.2/43

All: 47.488+/-0.005 χ^2/NDF: 8691115.7/90

- sign 48.565+/-0.007 χ^2/NDF: 4802790.2/46



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

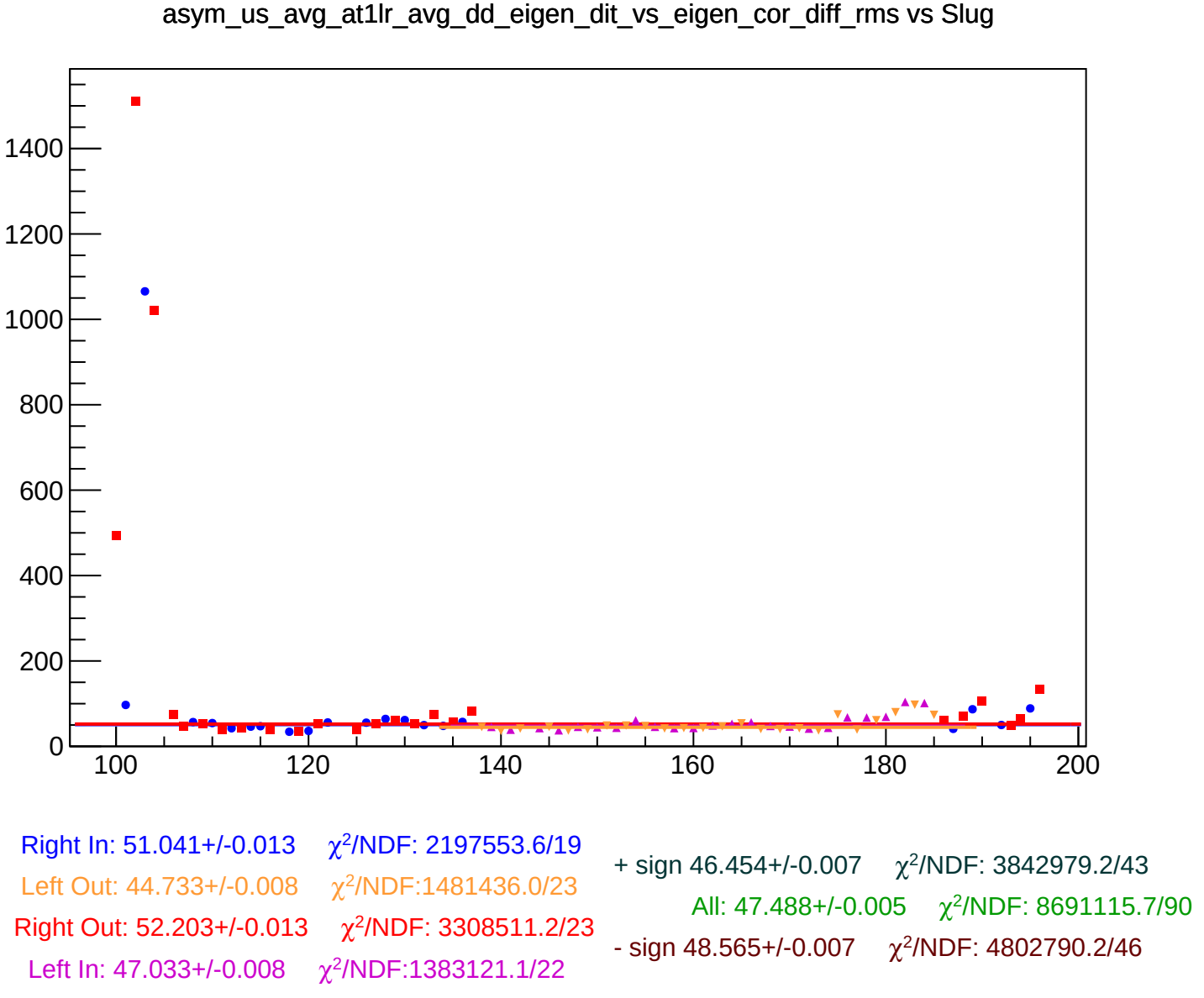
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

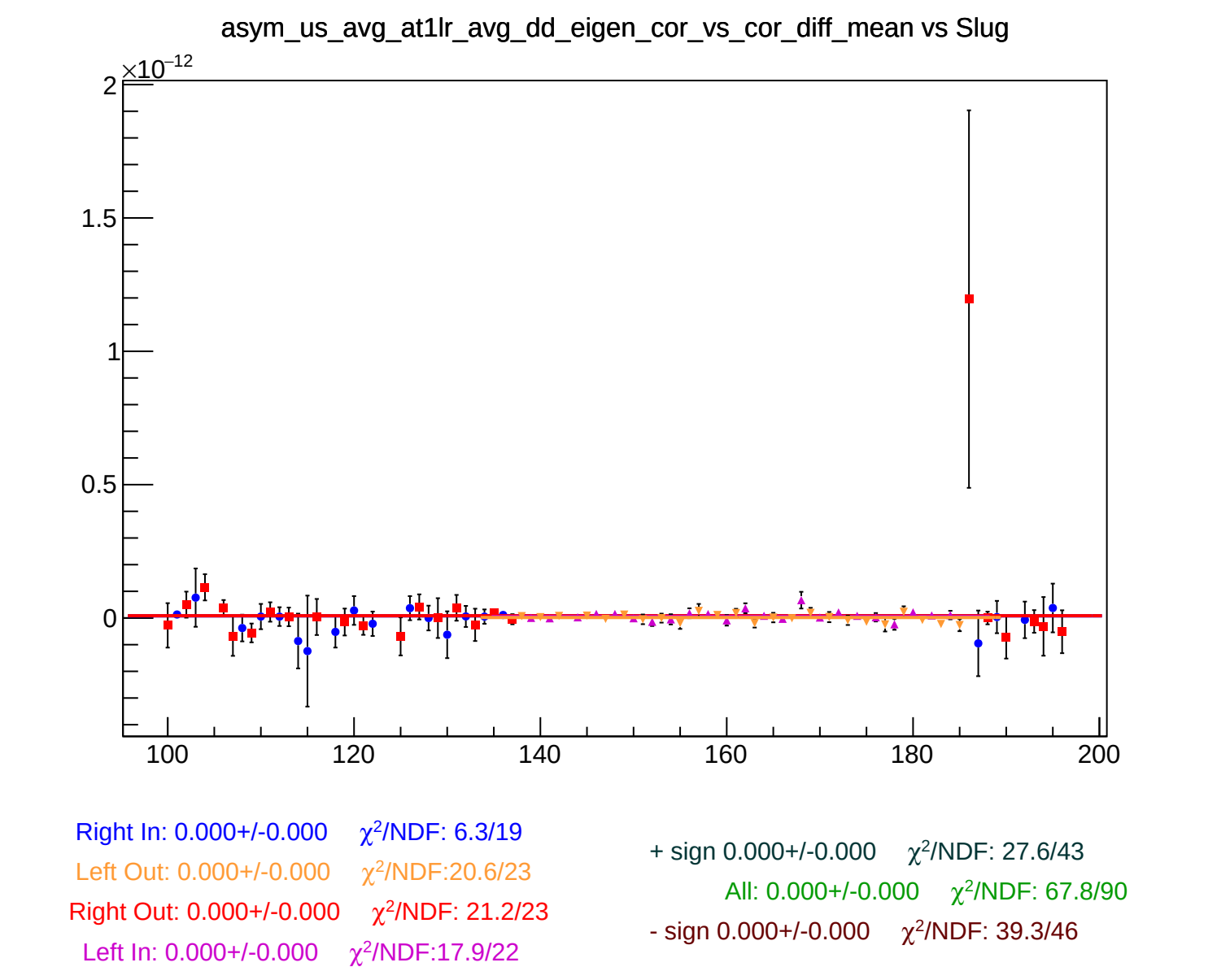
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

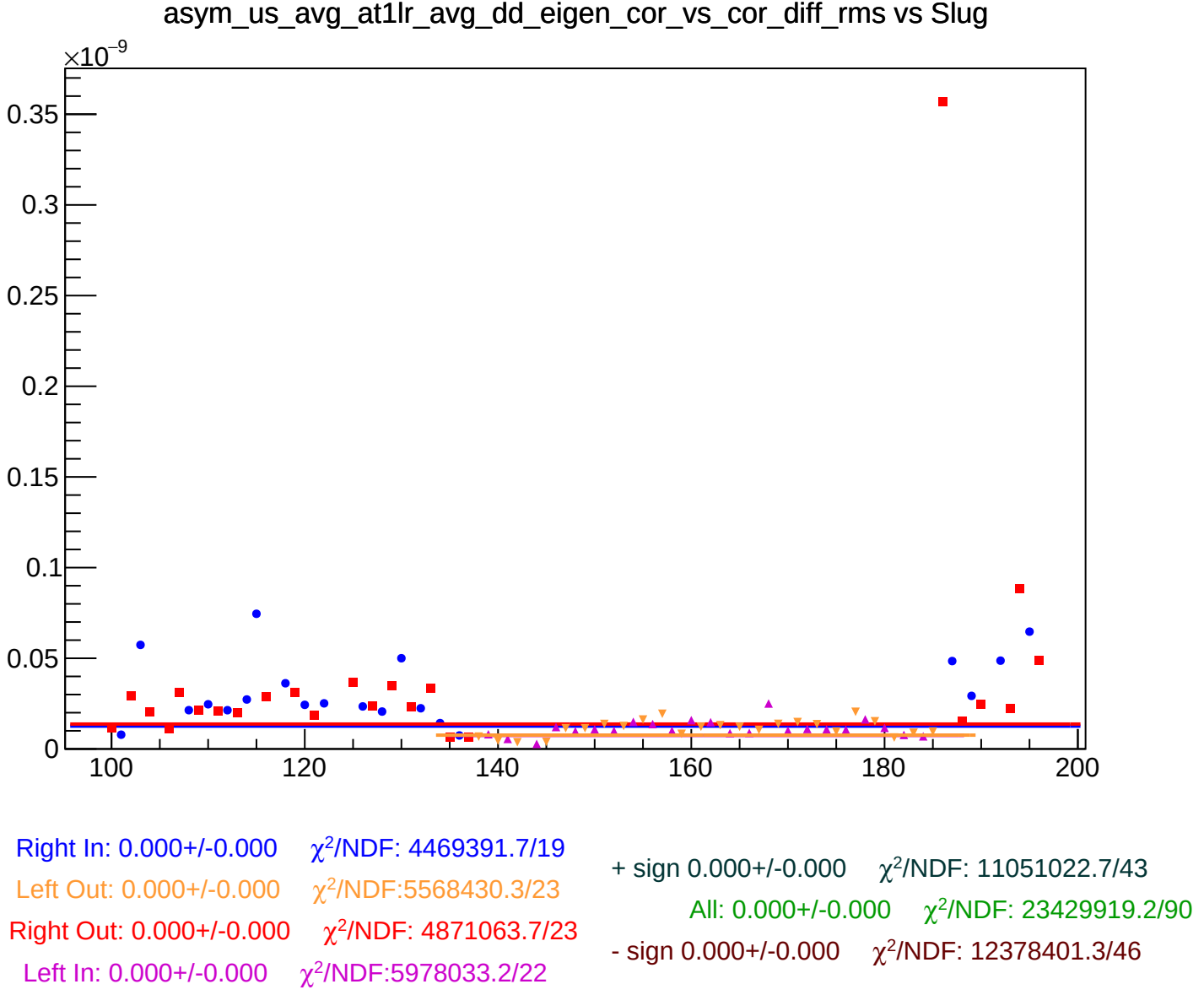
+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.2/90

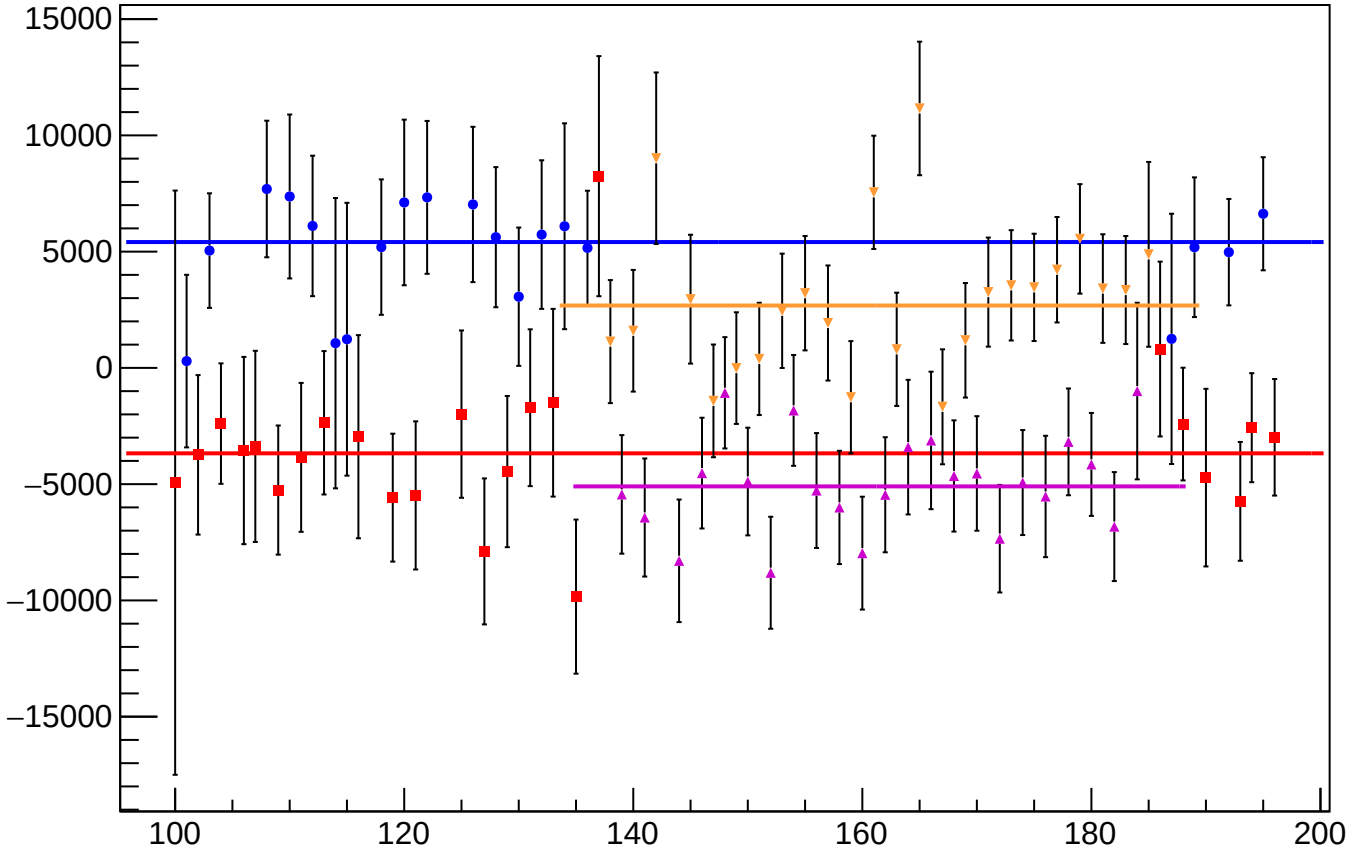
- sign 0.001+/-0.010 χ^2/NDF: 34.3/46


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: 51.041+/-0.013 χ²/NDF: 2197553.6/19
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 46.454+/-0.007 χ²/NDF: 3842979.2/43
All: 47.488+/-0.005 χ²/NDF: 8691115.7/90
- sign 48.565+/-0.007 χ²/NDF: 4802790.2/46


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6.3/19
Left Out: 0.000+/-0.000 χ²/NDF:20.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.2/23
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign 0.000+/-0.000 χ²/NDF: 27.6/43
All: 0.000+/-0.000 χ²/NDF: 67.8/90
- sign 0.000+/-0.000 χ²/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: 4469391.7/19
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: 11051022.7/43
All: 0.000+/-0.000 χ²/NDF: 23429919.2/90
- sign 0.000+/-0.000 χ²/NDF: 12378401.3/46

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5412.095+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.446+/-654.857 χ^2/NDF: 15.8/23

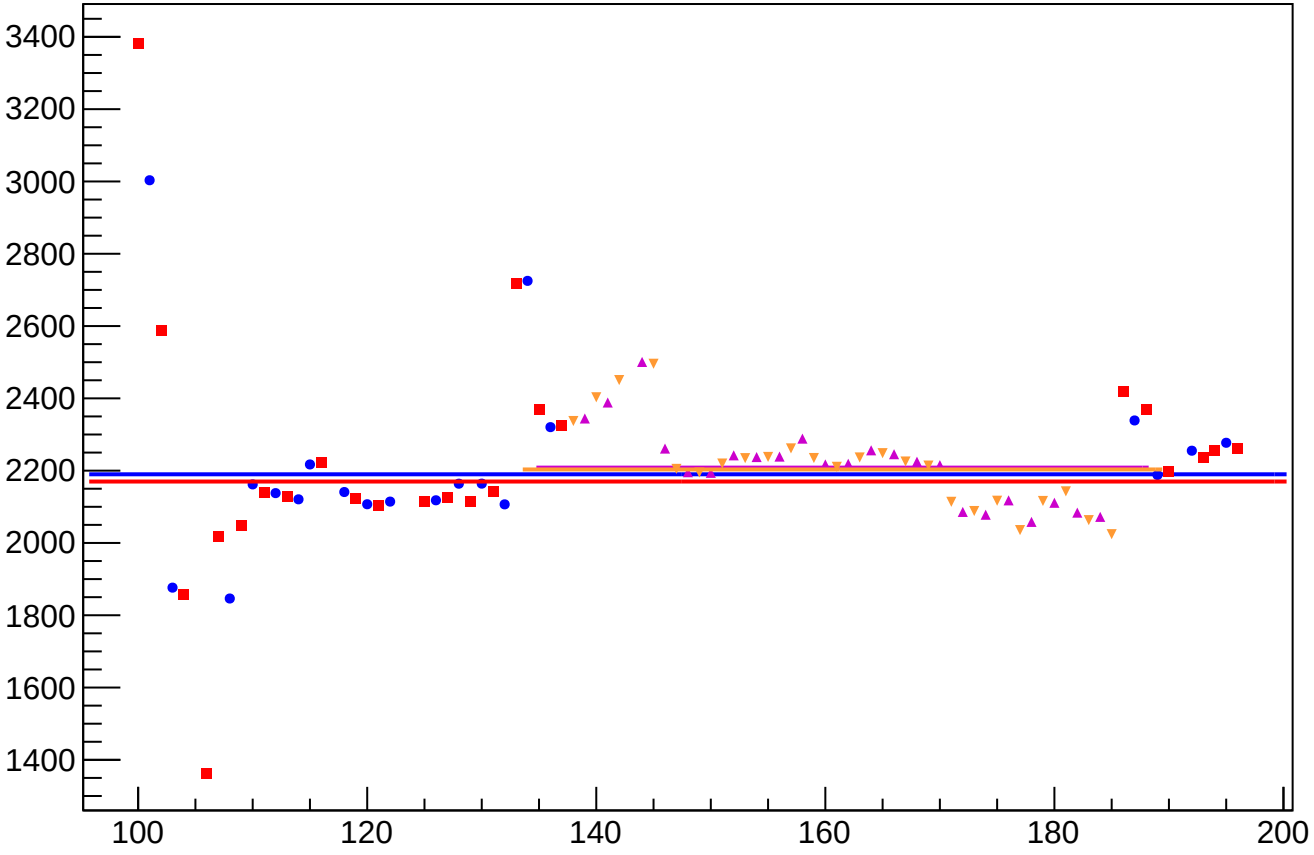
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.814+/-413.999 χ^2/NDF: 46.9/43

All: -547.527+/-289.657 χ^2/NDF: 279.8/90

- sign -4551.435+/-405.410 χ^2/NDF: 33.6/46

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2189.935+/-0.498 χ^2/NDF: 202753.7/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

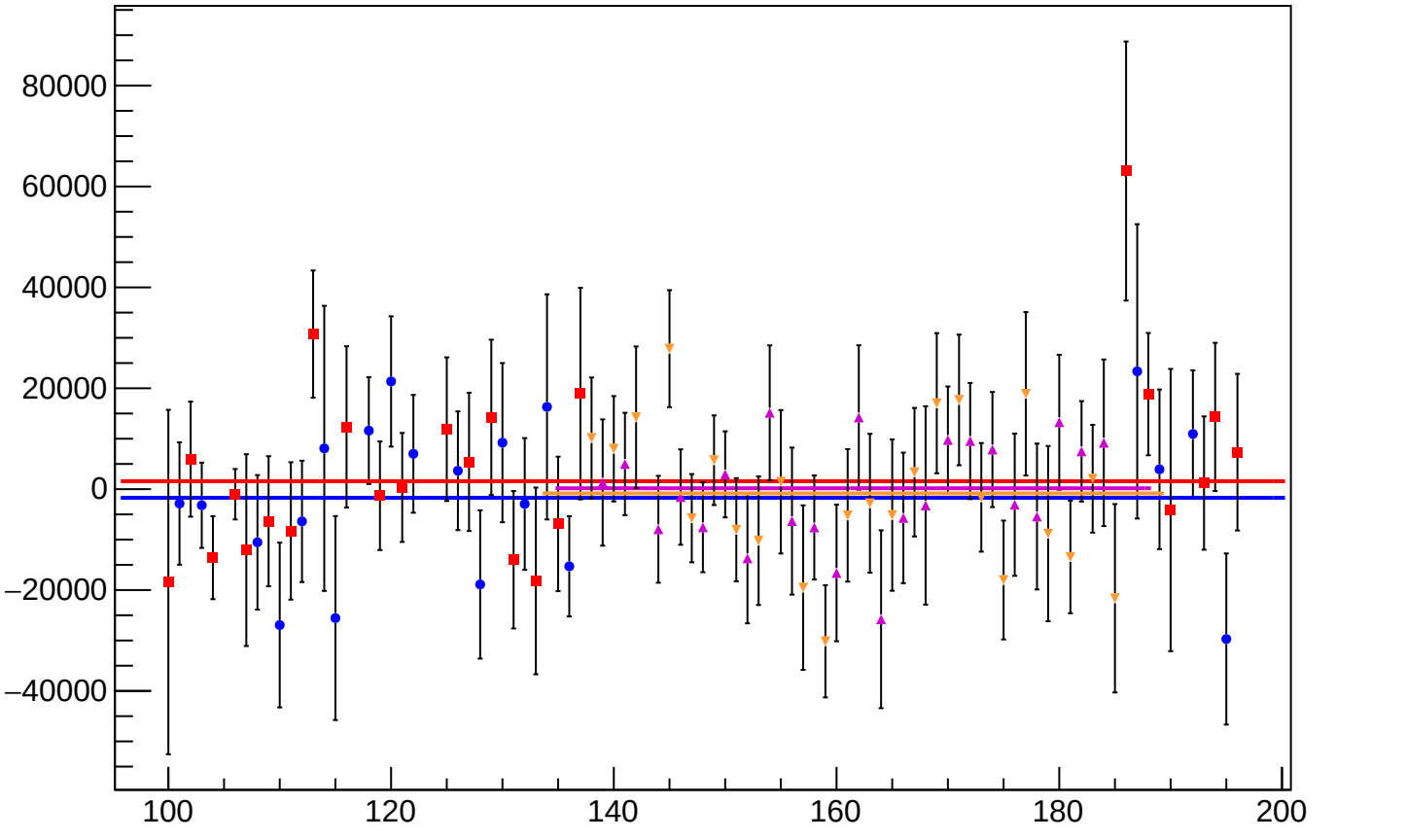
Right Out: 2169.906+/-0.458 χ^2/NDF: 307621.6/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.5/43

All: 2195.990+/-0.204 χ^2/NDF: 684526.1/90

- sign 2193.441+/-0.286 χ^2/NDF: 392929.0/46



Right In: -1720.231+/-2990.122 χ^2/NDF: 19.0/19

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

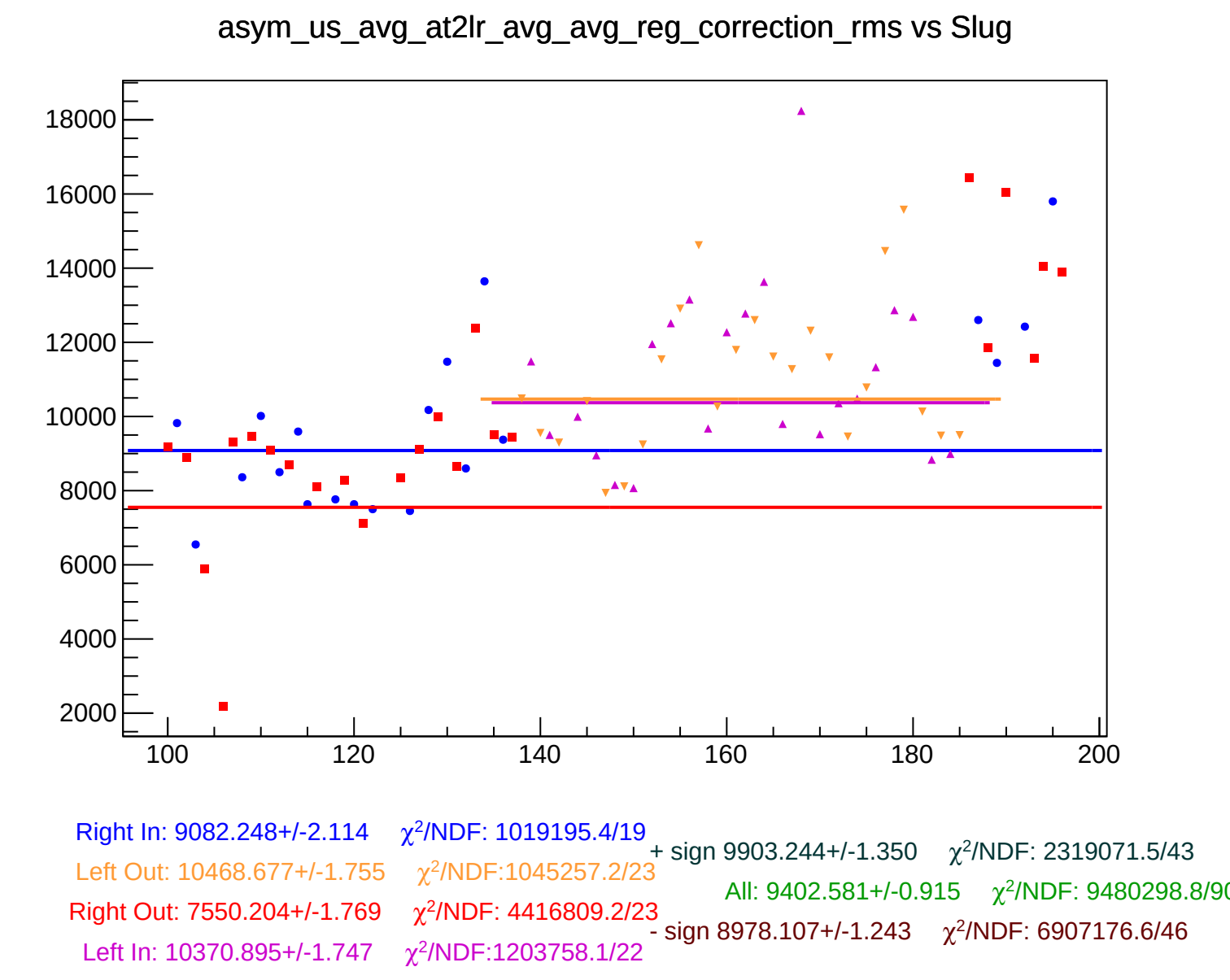
Right Out: 1575.842+/-2502.181 χ^2/NDF: 25.0/23

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

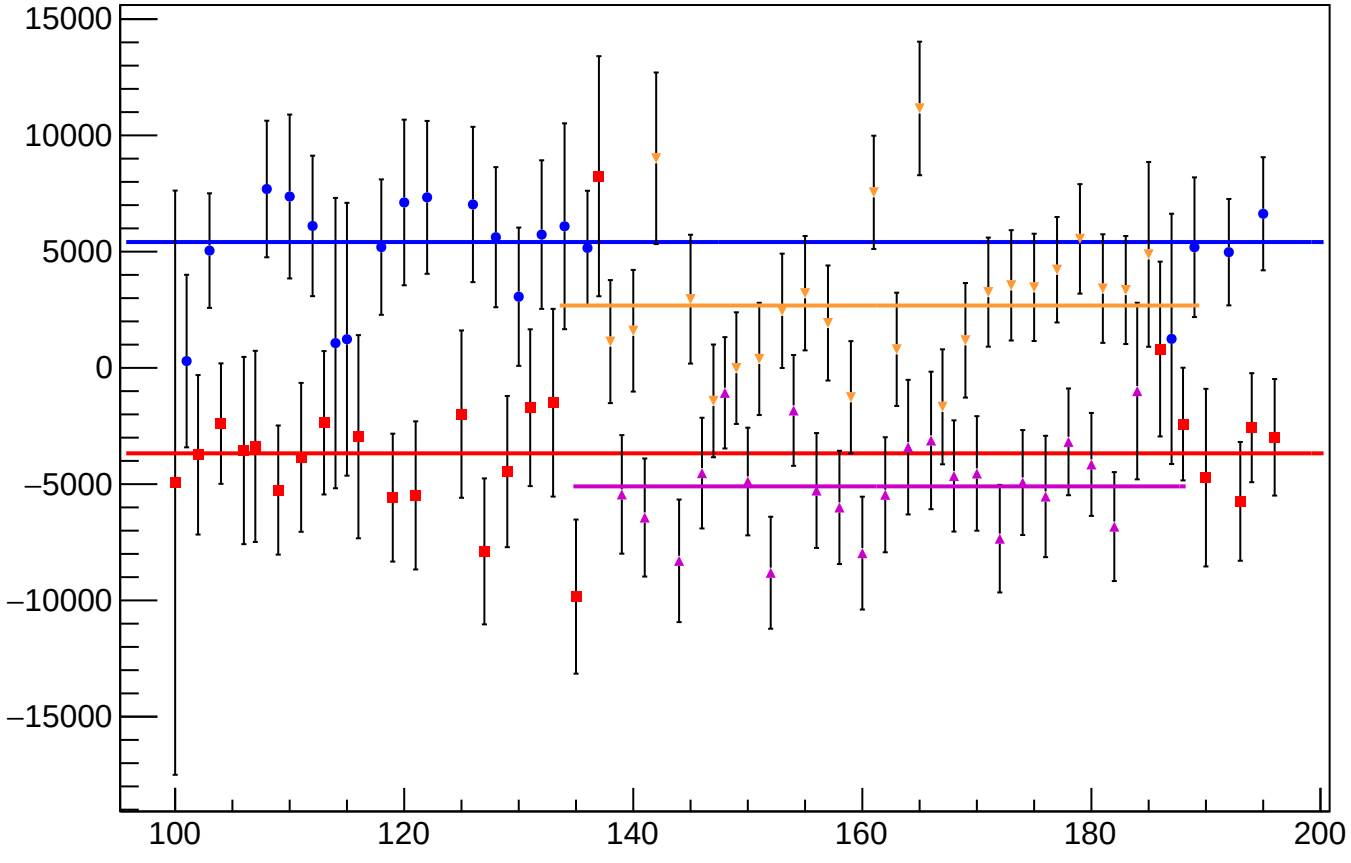
\+ sign -1195.130+/-1909.548 χ^2/NDF: 48.6/43

All: -77.280+/-1293.461 χ^2/NDF: 88.1/90

\- sign 870.461+/-1758.262 χ^2/NDF: 38.9/46


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9082.248+/-2.114 χ²/NDF: 1019195.4/19
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7550.204+/-1.769 χ²/NDF: 4416809.2/23
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 9903.244+/-1.350 χ²/NDF: 2319071.5/43
All: 9402.581+/-0.915 χ²/NDF: 9480298.8/90
- sign 8978.107+/-1.243 χ²/NDF: 6907176.6/46

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5412.222+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.275+/-654.857 χ^2/NDF: 15.8/23

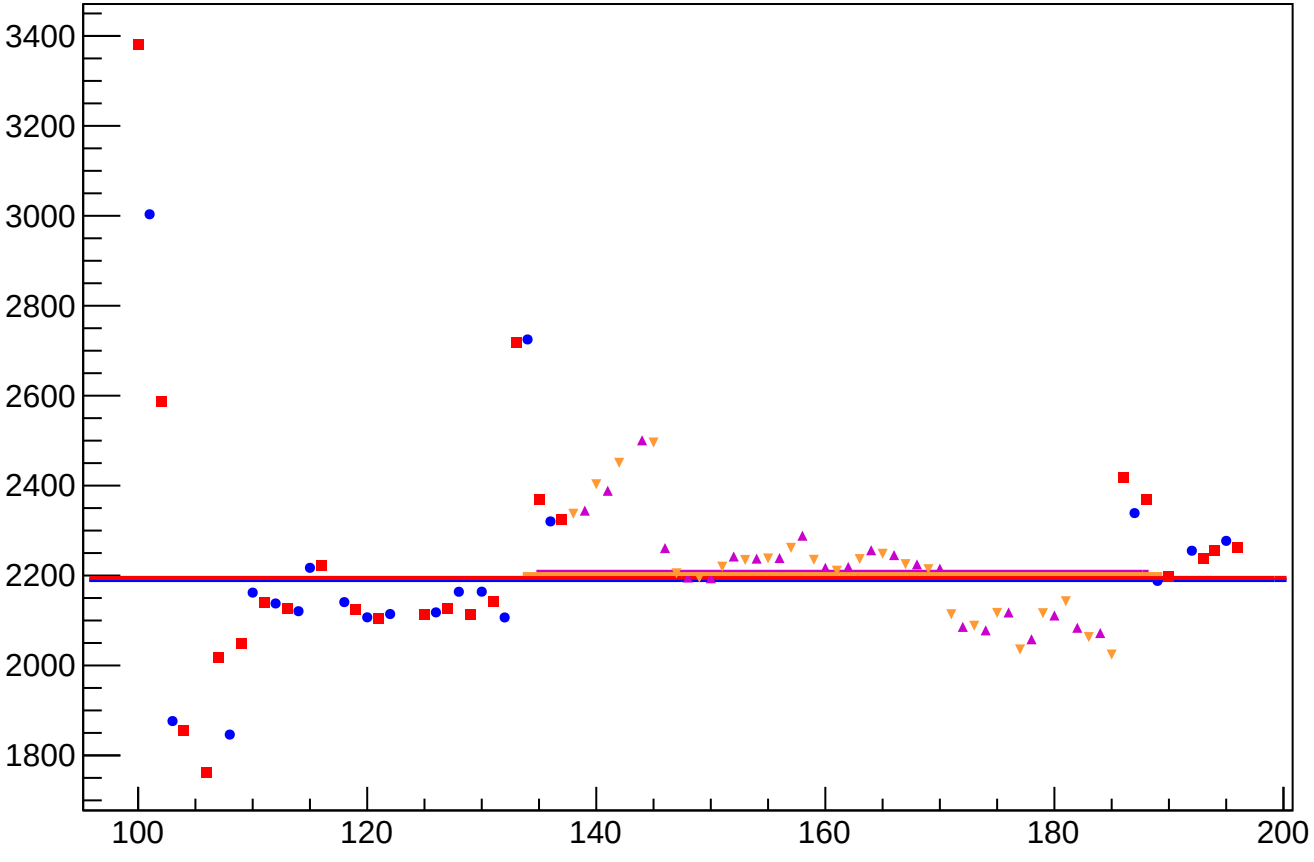
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.807+/-413.999 χ^2/NDF: 46.9/43

All: -547.468+/-289.657 χ^2/NDF: 279.8/90

- sign -4551.311+/-405.410 χ^2/NDF: 33.6/46

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2189.935+/-0.498 χ^2/NDF: 202754.1/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

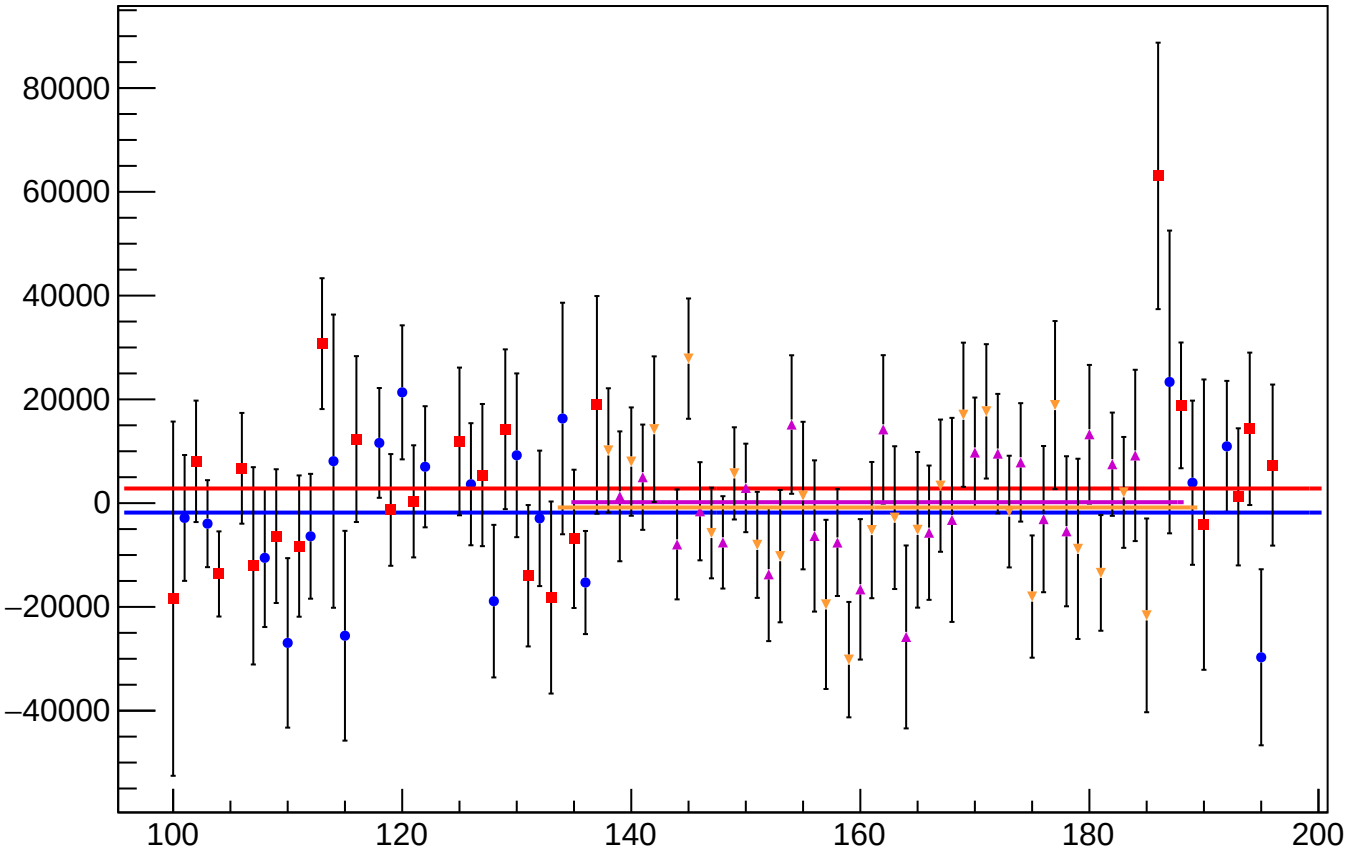
Right Out: 2194.791+/-0.462 χ^2/NDF: 185501.9/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.9/43

All: 2200.960+/-0.205 χ^2/NDF: 558583.0/90

- sign 2203.150+/-0.286 χ^2/NDF: 267029.4/46



Right In: -1820.060+/-2987.243 χ^2/NDF: 19.1/19

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

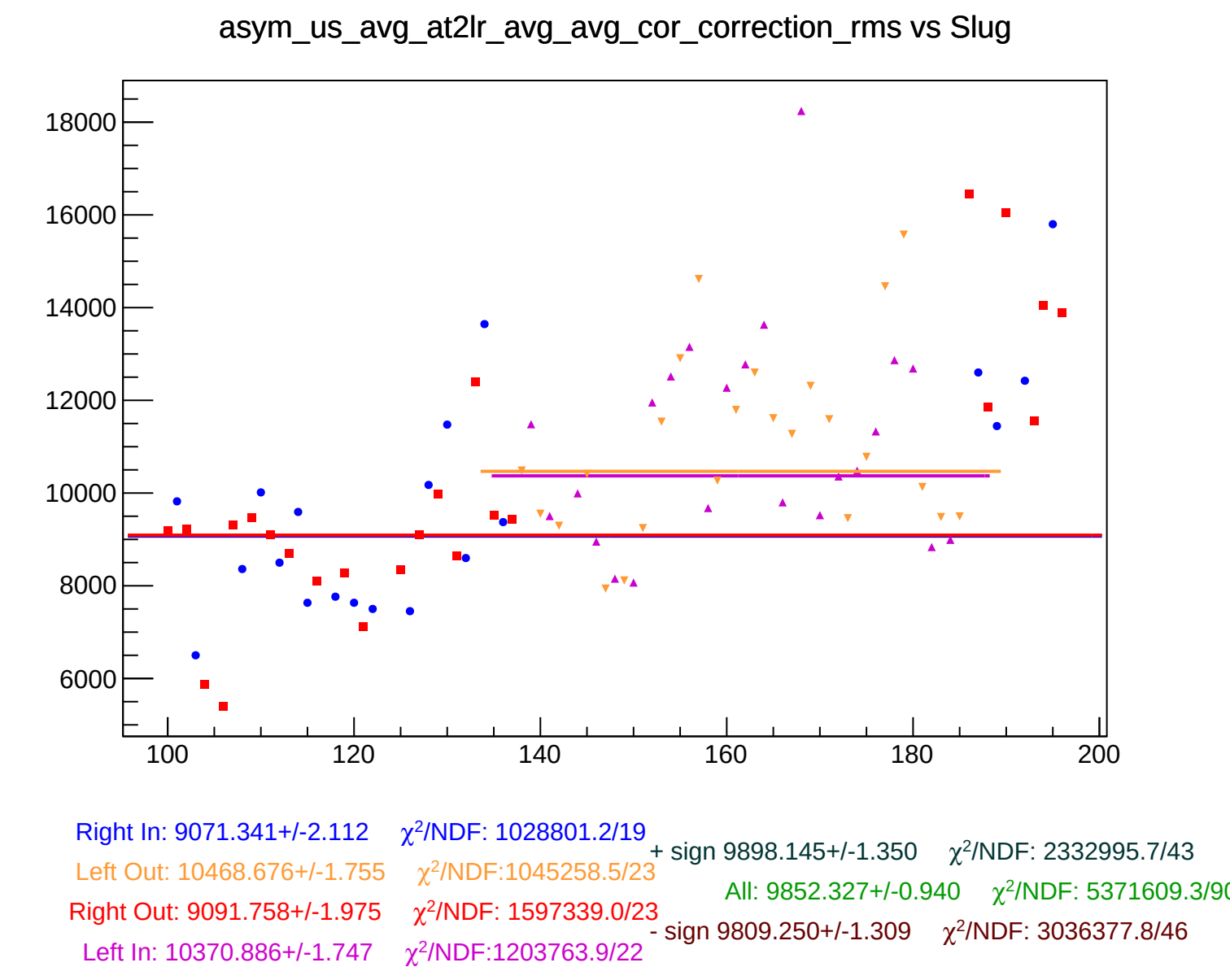
Right Out: 2823.198+/-2793.138 χ^2/NDF: 24.9/23

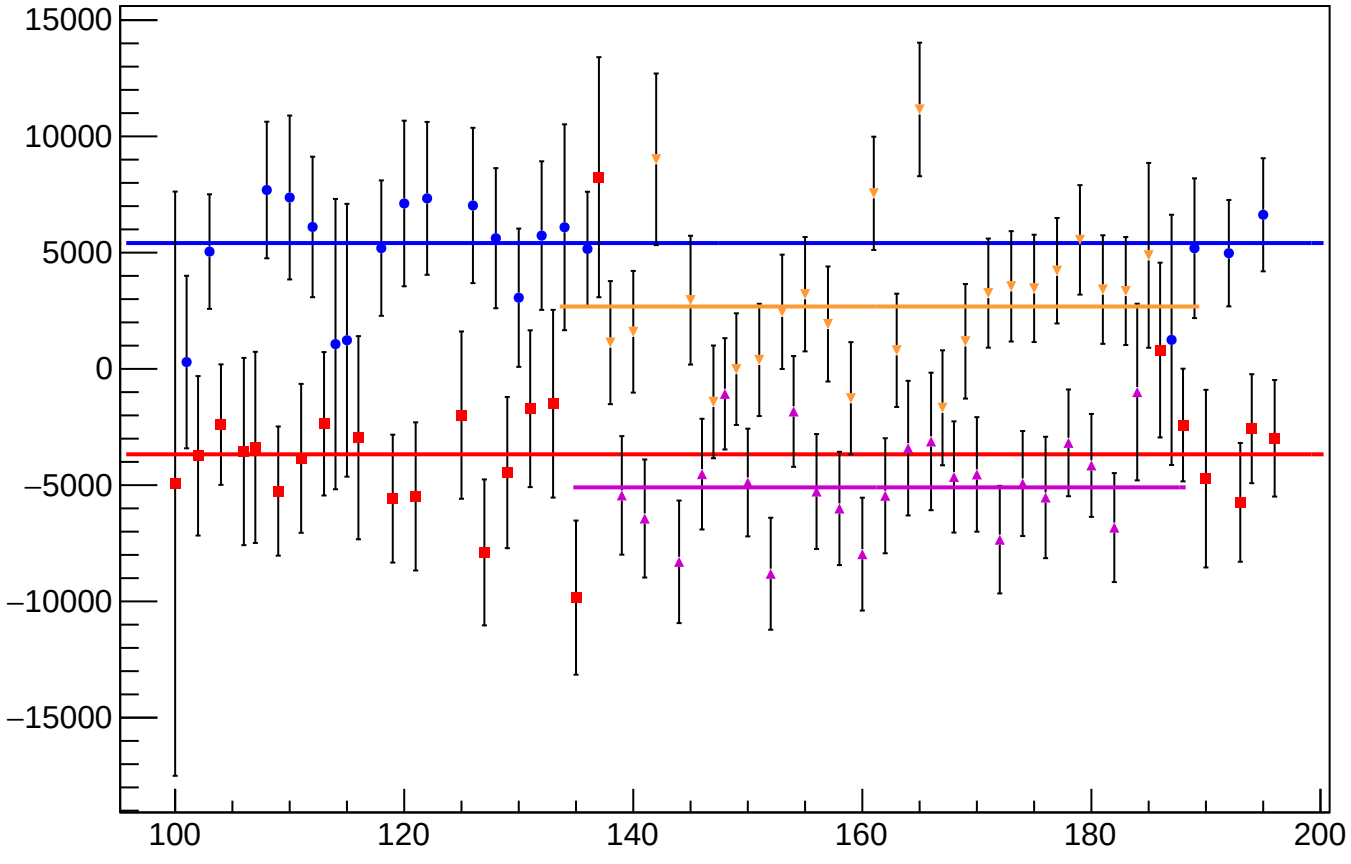
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1236.287+/-1908.797 χ^2/NDF: 48.6/43

All: 92.555+/-1328.750 χ^2/NDF: 88.7/90

- sign 1341.893+/-1850.815 χ^2/NDF: 39.2/46


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9071.341+/-2.112 χ²/NDF: 1028801.2/19
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9091.758+/-1.975 χ²/NDF: 1597339.0/23
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 9898.145+/-1.350 χ²/NDF: 2332995.7/43
All: 9852.327+/-0.940 χ²/NDF: 5371609.3/90
- sign 9809.250+/-1.309 χ²/NDF: 3036377.8/46



Right In: 5412.222+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.275+/-654.857 χ^2/NDF: 15.8/23

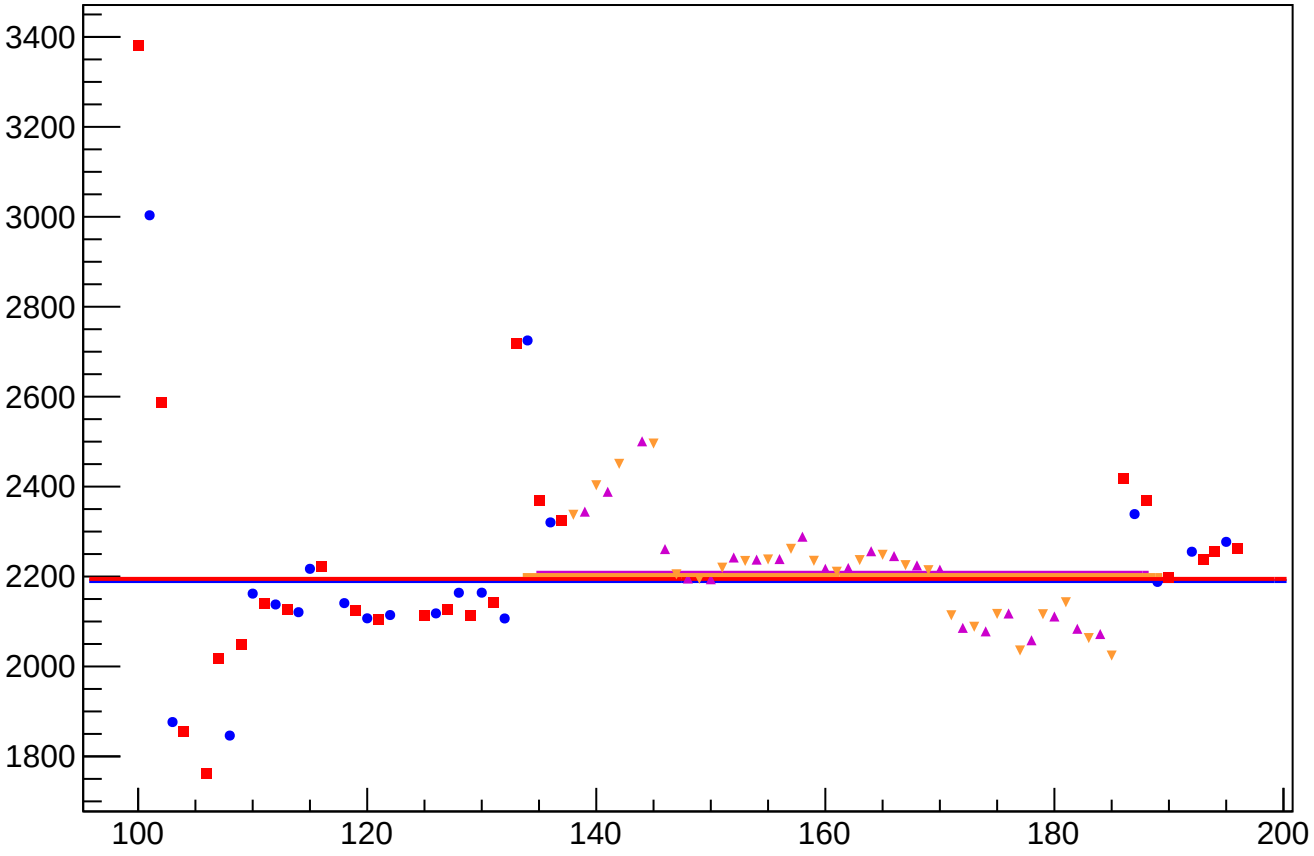
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.807+/-413.999 χ^2/NDF: 46.9/43

All: -547.468+/-289.657 χ^2/NDF: 279.8/90

- sign -4551.311+/-405.410 χ^2/NDF: 33.6/46

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2189.935+/-0.498 χ^2/NDF: 202754.1/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

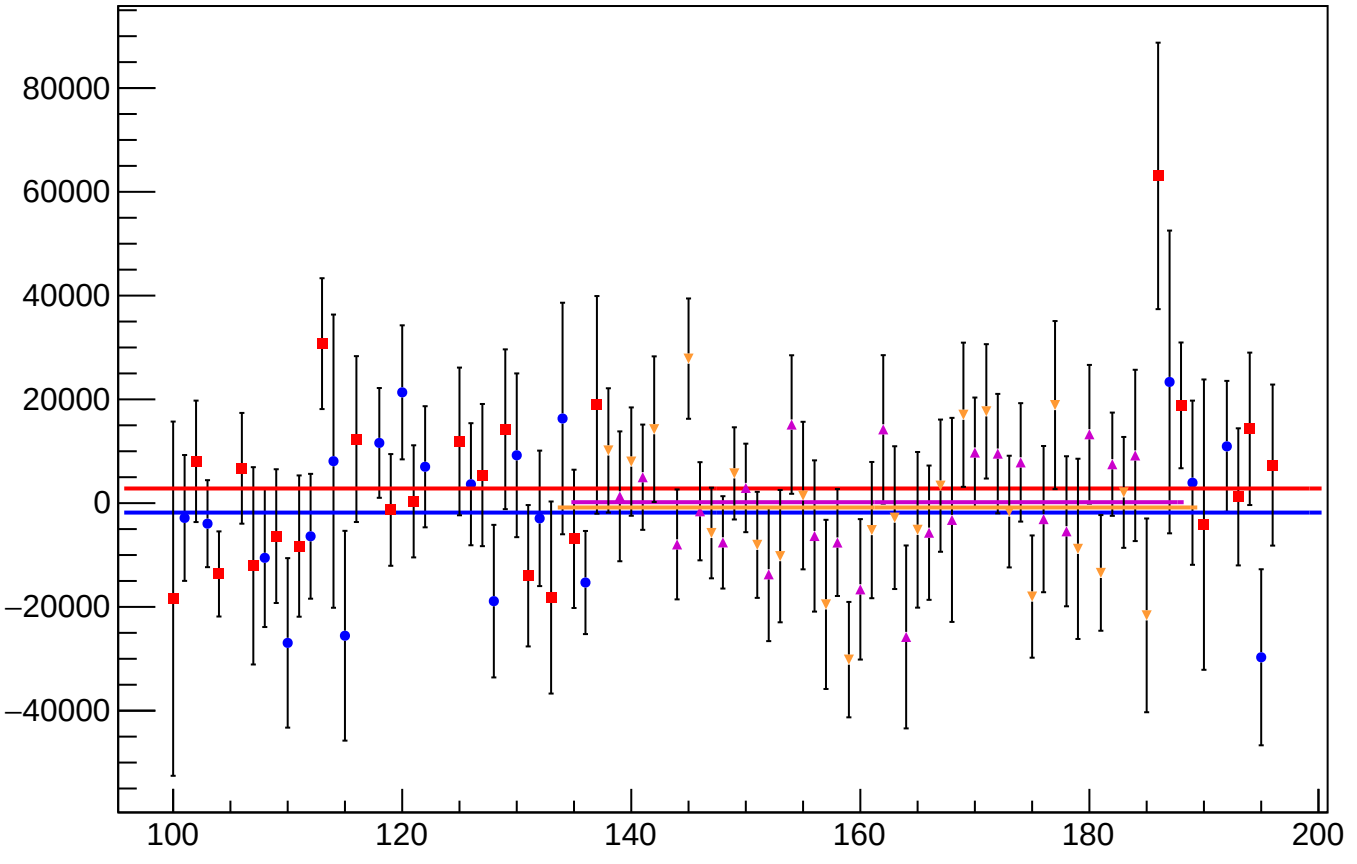
Right Out: 2194.791+/-0.462 χ^2/NDF: 185501.9/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.9/43

All: 2200.960+/-0.205 χ^2/NDF: 558583.0/90

- sign 2203.150+/-0.286 χ^2/NDF: 267029.4/46



Right In: -1820.060+/-2987.243 χ^2/NDF: 19.1/19

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

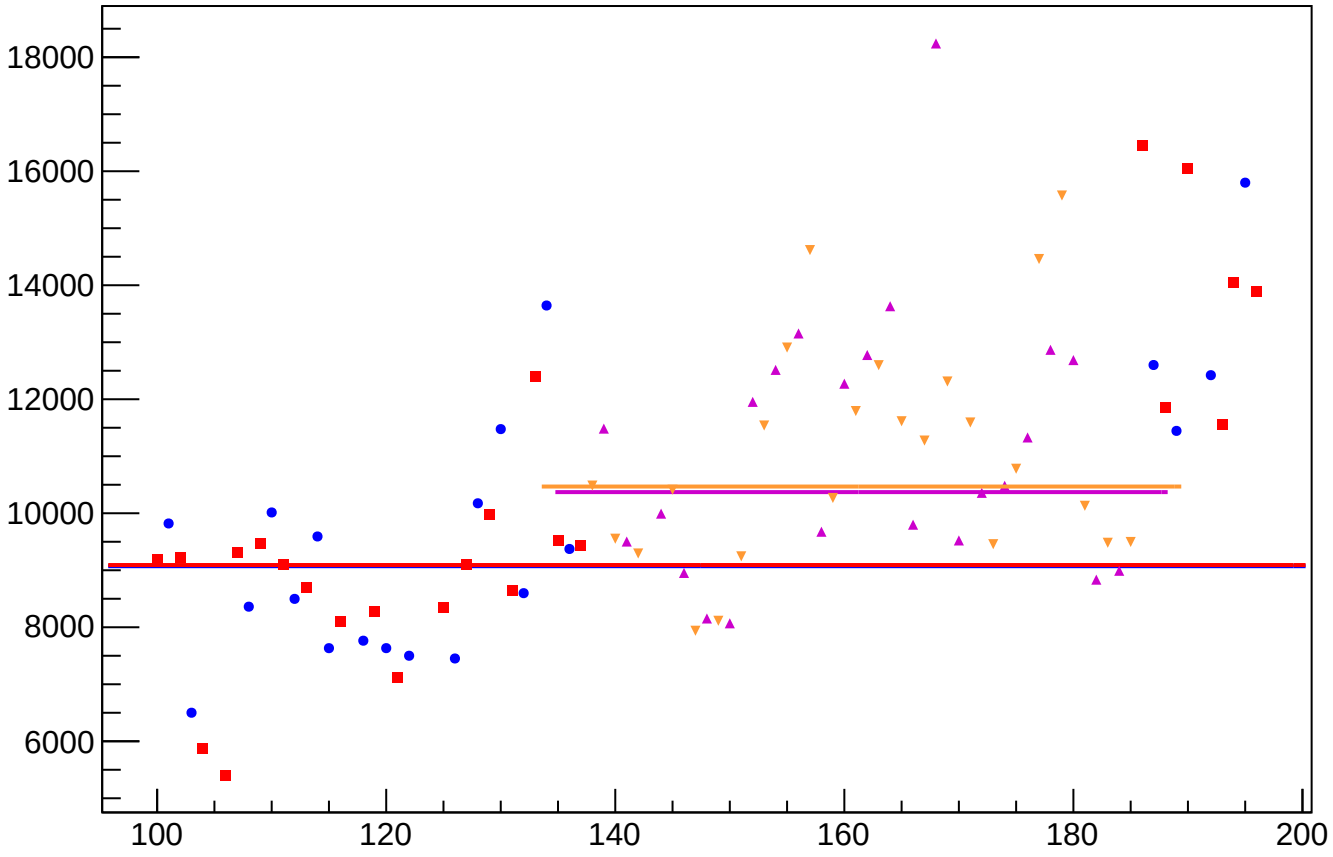
Right Out: 2823.198+/-2793.138 χ^2/NDF: 24.9/23

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1236.287+/-1908.797 χ^2/NDF: 48.6/43

All: 92.555+/-1328.750 χ^2/NDF: 88.7/90

- sign 1341.893+/-1850.815 χ^2/NDF: 39.2/46



Right In: 9071.341+/-2.112 χ^2/NDF: 1028801.2/19

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

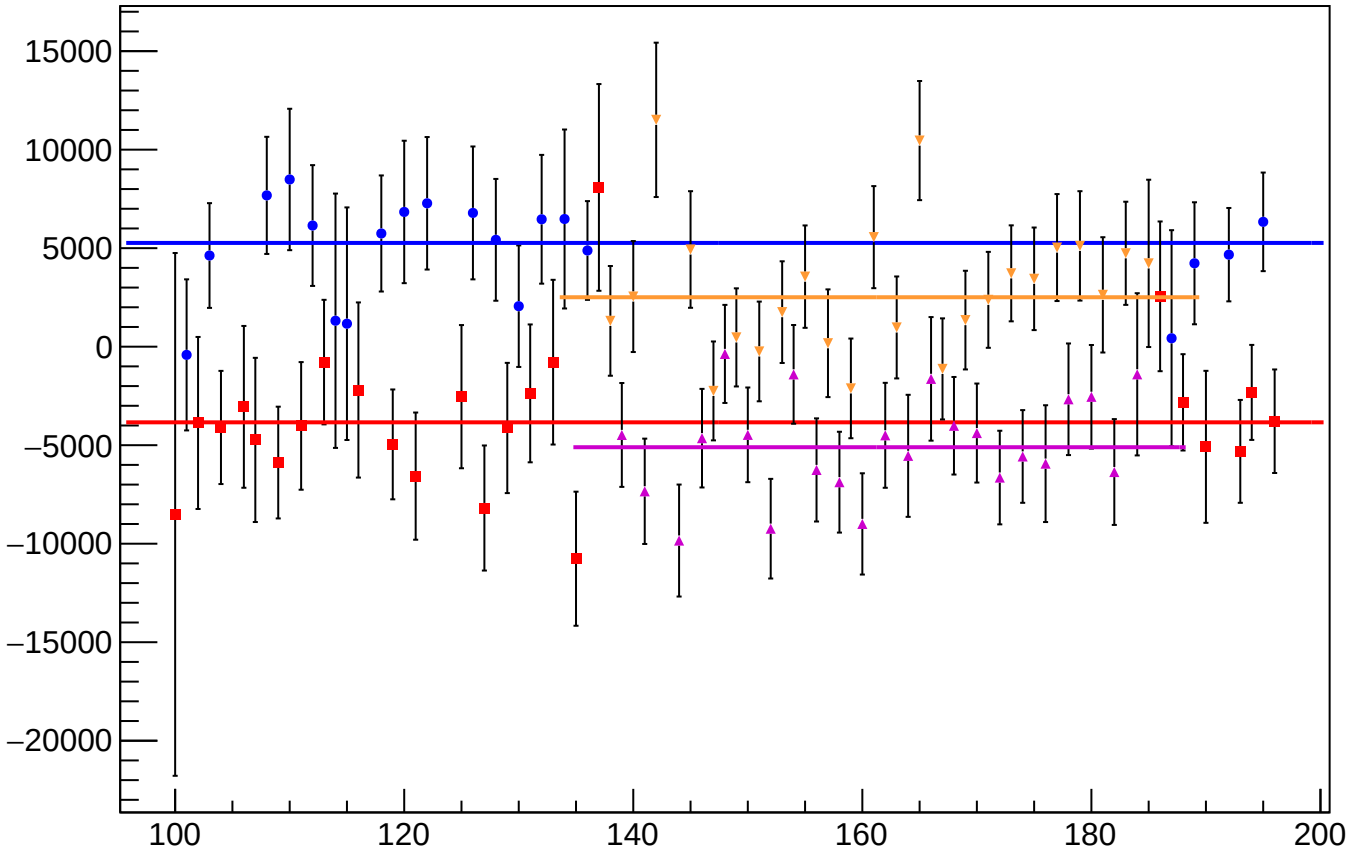
Right Out: 9091.758+/-1.975 χ^2/NDF: 1597339.0/23

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9898.145+/-1.350 χ^2/NDF: 2332995.7/43

All: 9852.327+/-0.940 χ^2/NDF: 5371609.3/90

- sign 9809.250+/-1.309 χ^2/NDF: 3036377.8/46



Right In: 5266.142+/-722.797 χ^2/NDF: 7.9/19

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3839.696+/-676.213 χ^2/NDF: 18.5/23

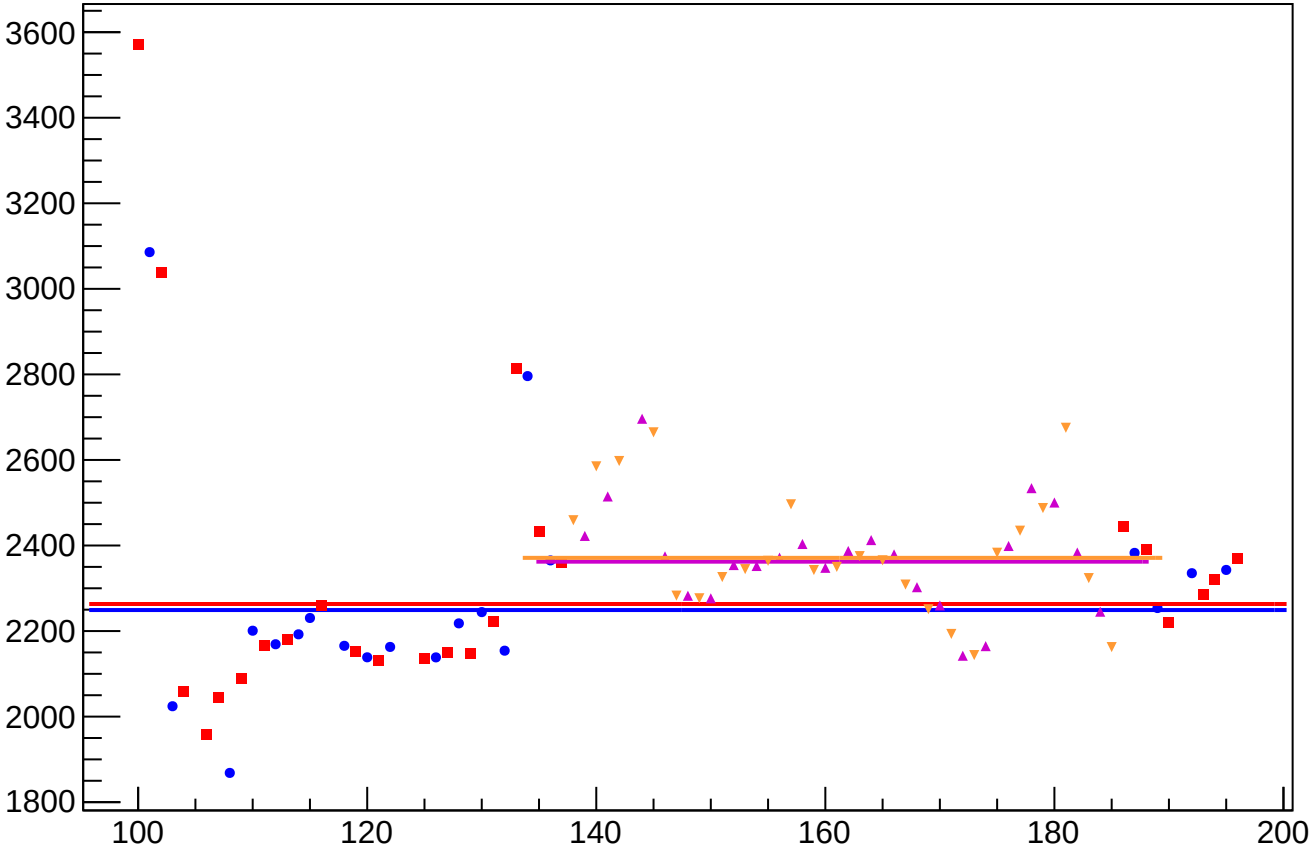
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3523.741+/-438.498 χ^2/NDF: 46.9/43

All: -636.159+/-306.244 χ^2/NDF: 263.1/90

- sign -4597.173+/-427.887 χ^2/NDF: 40.5/46

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2249.119+/-0.511 χ^2/NDF: 193054.3/19

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

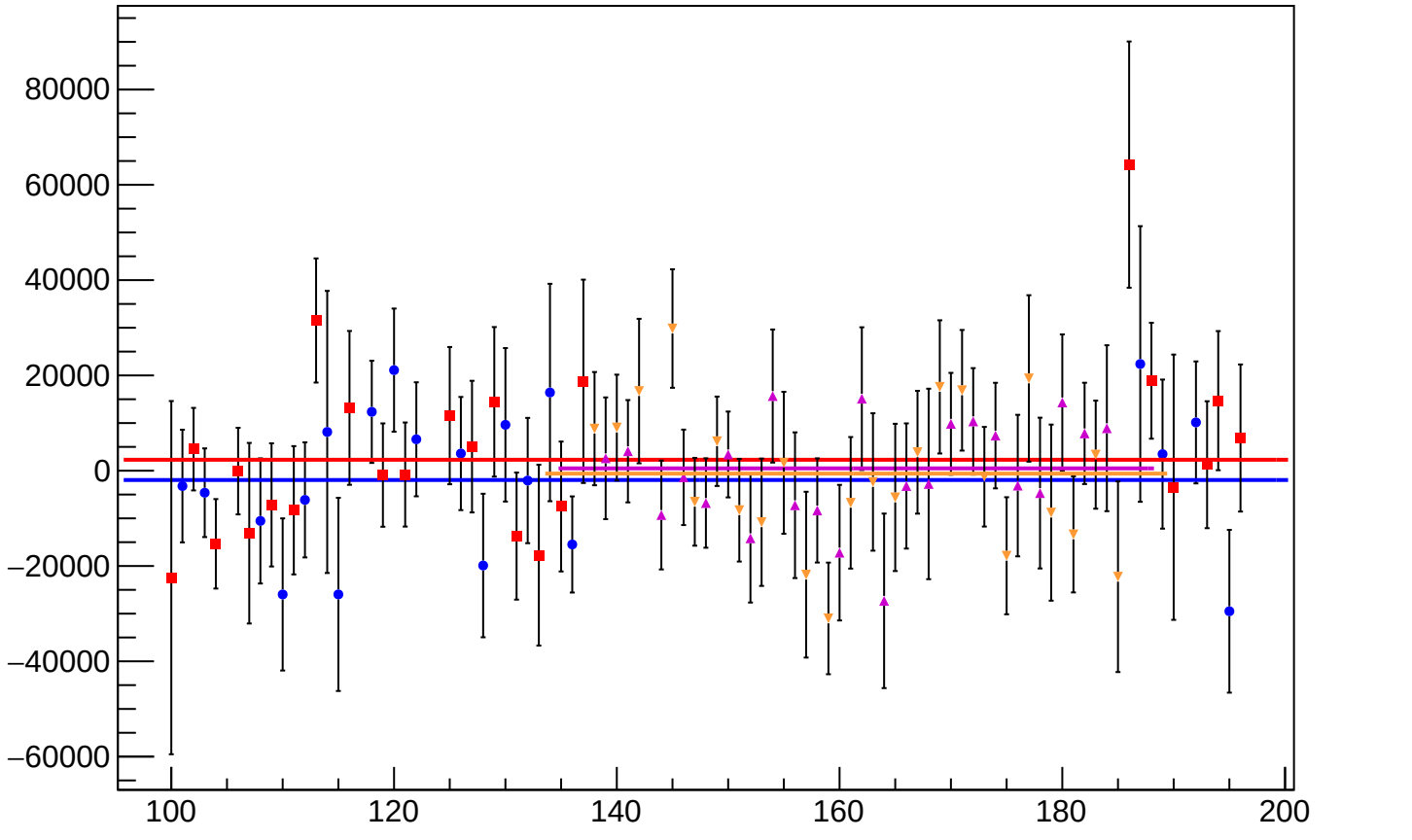
Right Out: 2263.250+/-0.478 χ^2/NDF: 189708.1/23

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.228+/-0.310 χ^2/NDF: 345369.4/43

All: 2324.355+/-0.217 χ^2/NDF: 652744.9/90

- sign 2322.573+/-0.303 χ^2/NDF: 307304.3/46



Right In: -1950.359+/-3039.620 χ^2/NDF: 18.8/19

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

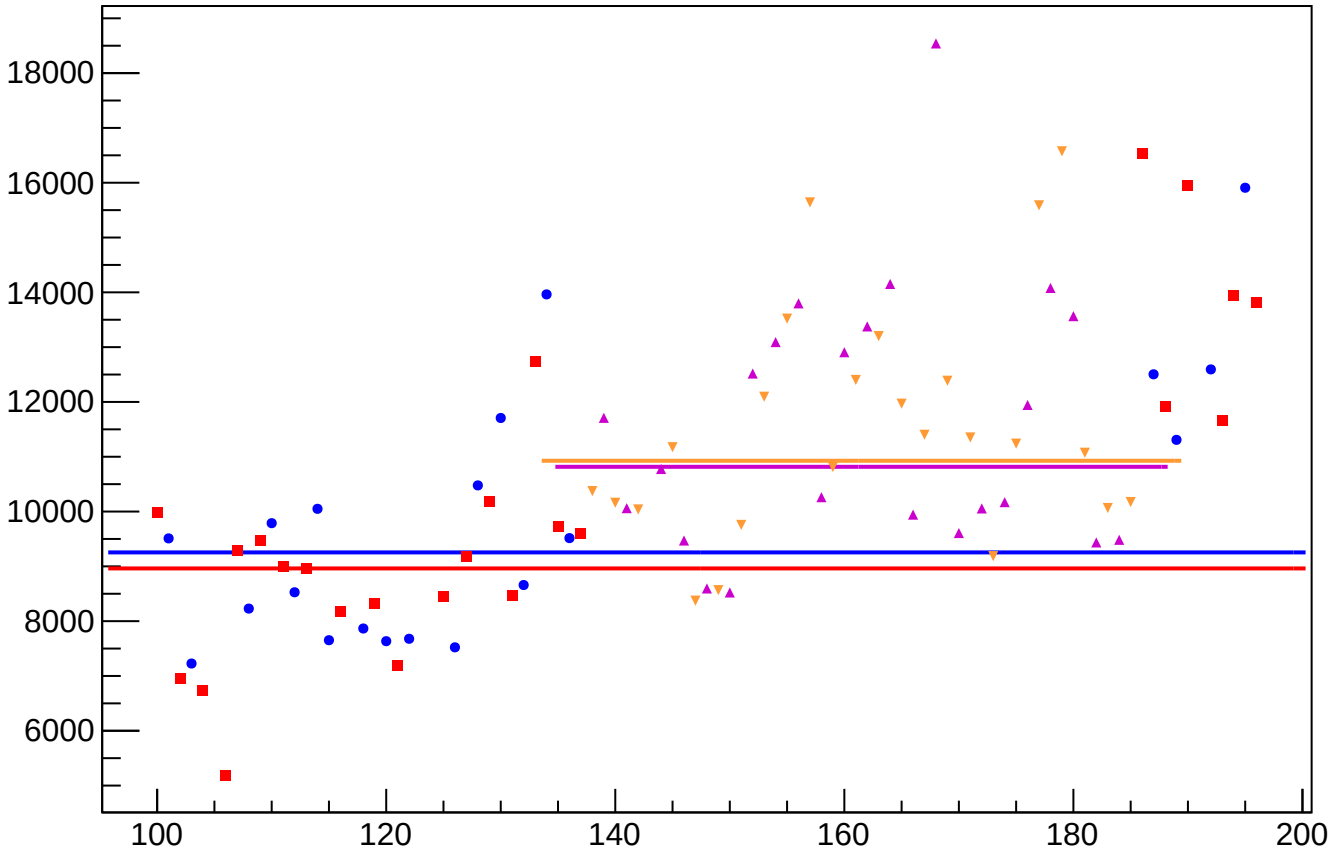
Right Out: 2299.744+/-2746.139 χ^2/NDF: 24.8/23

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1172.793+/-1971.362 χ^2/NDF: 47.8/43

All: 142.383+/-1360.228 χ^2/NDF: 87.2/90

- sign 1337.524+/-1879.248 χ^2/NDF: 38.6/46



Right In: 9254.511+/-2.149 χ^2/NDF: 923240.9/19

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

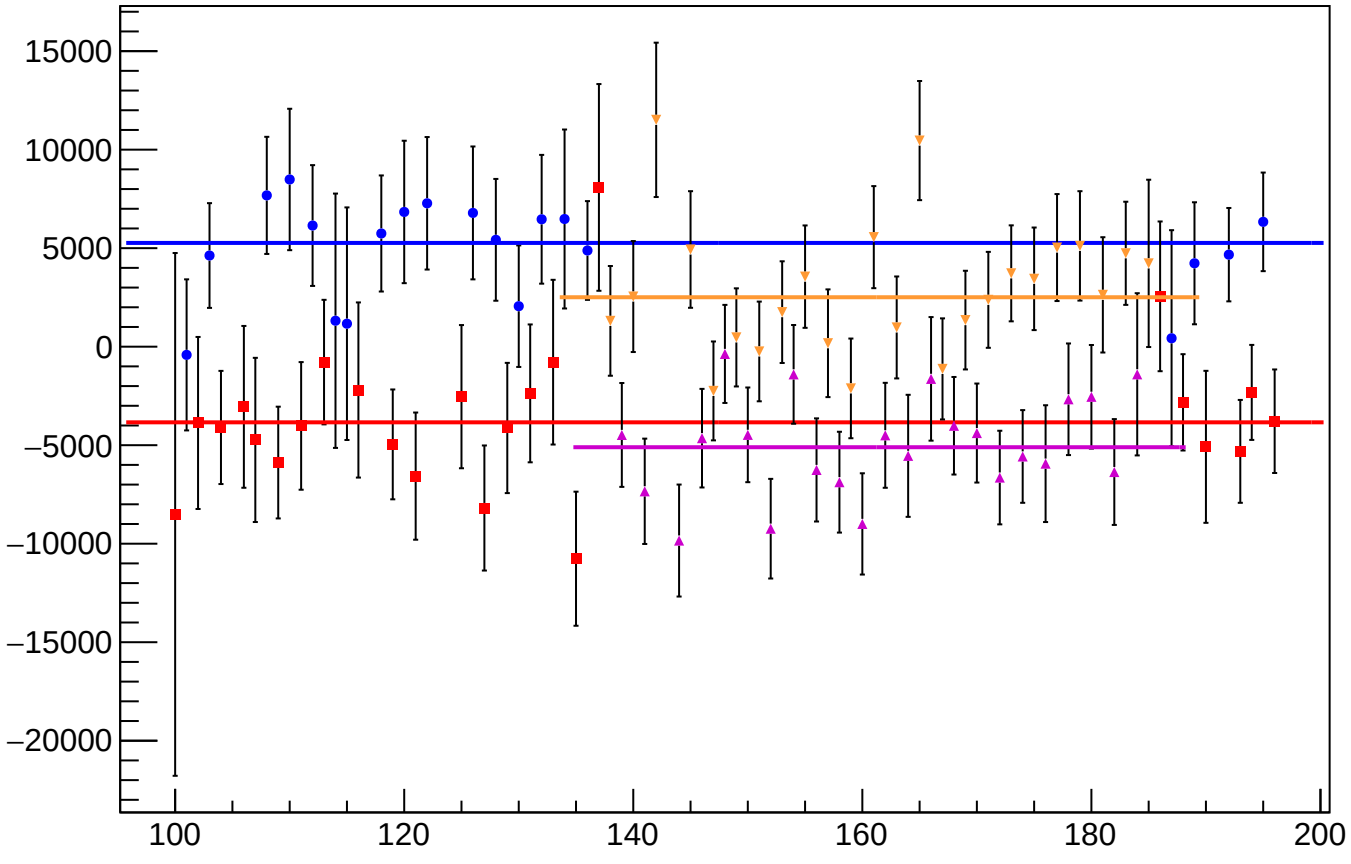
Right Out: 8962.238+/-1.942 χ^2/NDF: 1669348.9/23

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10223.430+/-1.394 χ^2/NDF: 2331328.5/43

All: 10079.159+/-0.962 χ^2/NDF: 5702685.8/9

- sign 9948.055+/-1.329 χ^2/NDF: 3350911.7/46



Right In: 5266.138+/-722.796 χ^2/NDF: 7.9/19

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3839.698+/-676.213 χ^2/NDF: 18.5/23

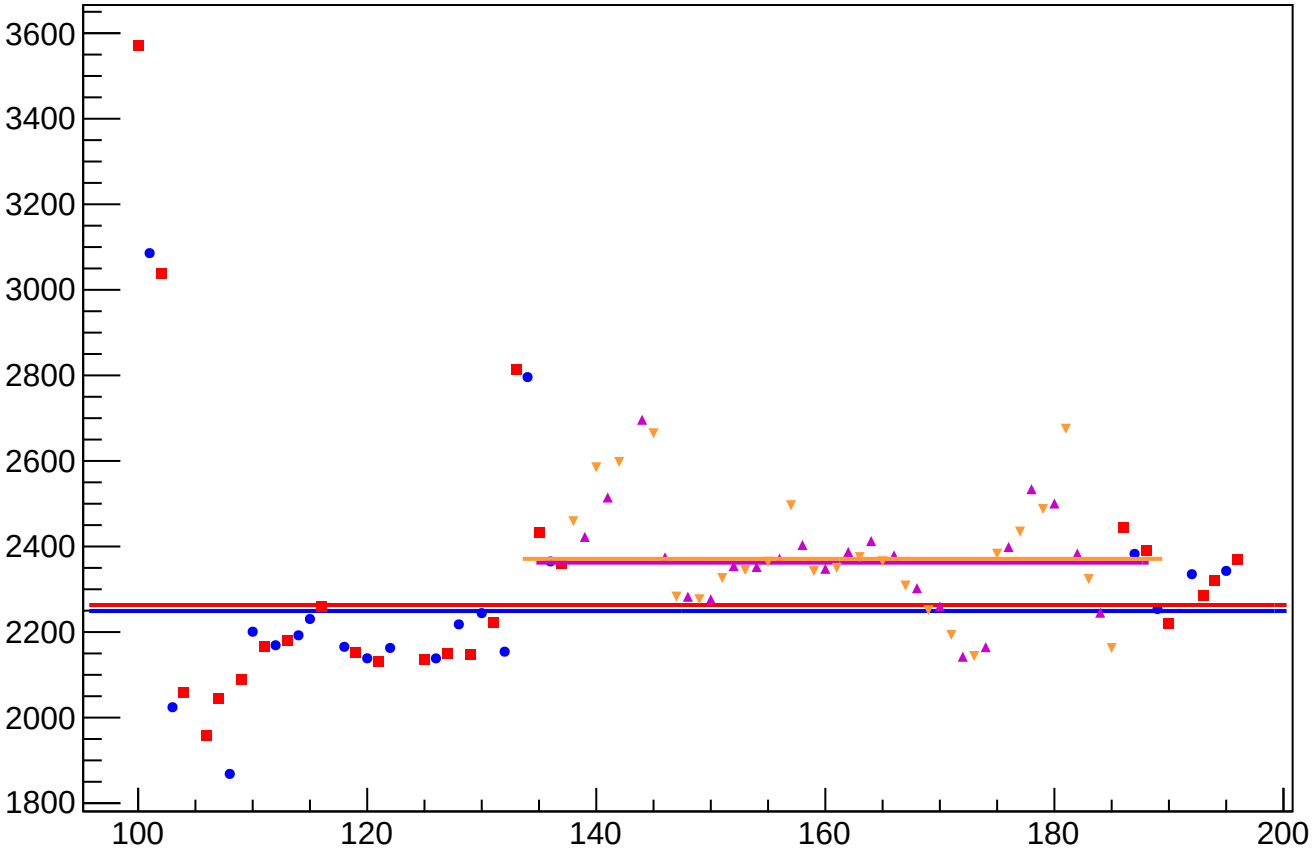
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3523.734+/-438.498 χ^2/NDF: 46.9/43

All: -636.163+/-306.245 χ^2/NDF: 263.1/90

- sign -4597.174+/-427.887 χ^2/NDF: 40.5/46

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2249.118+/-0.511 χ^2/NDF: 193054.5/19

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

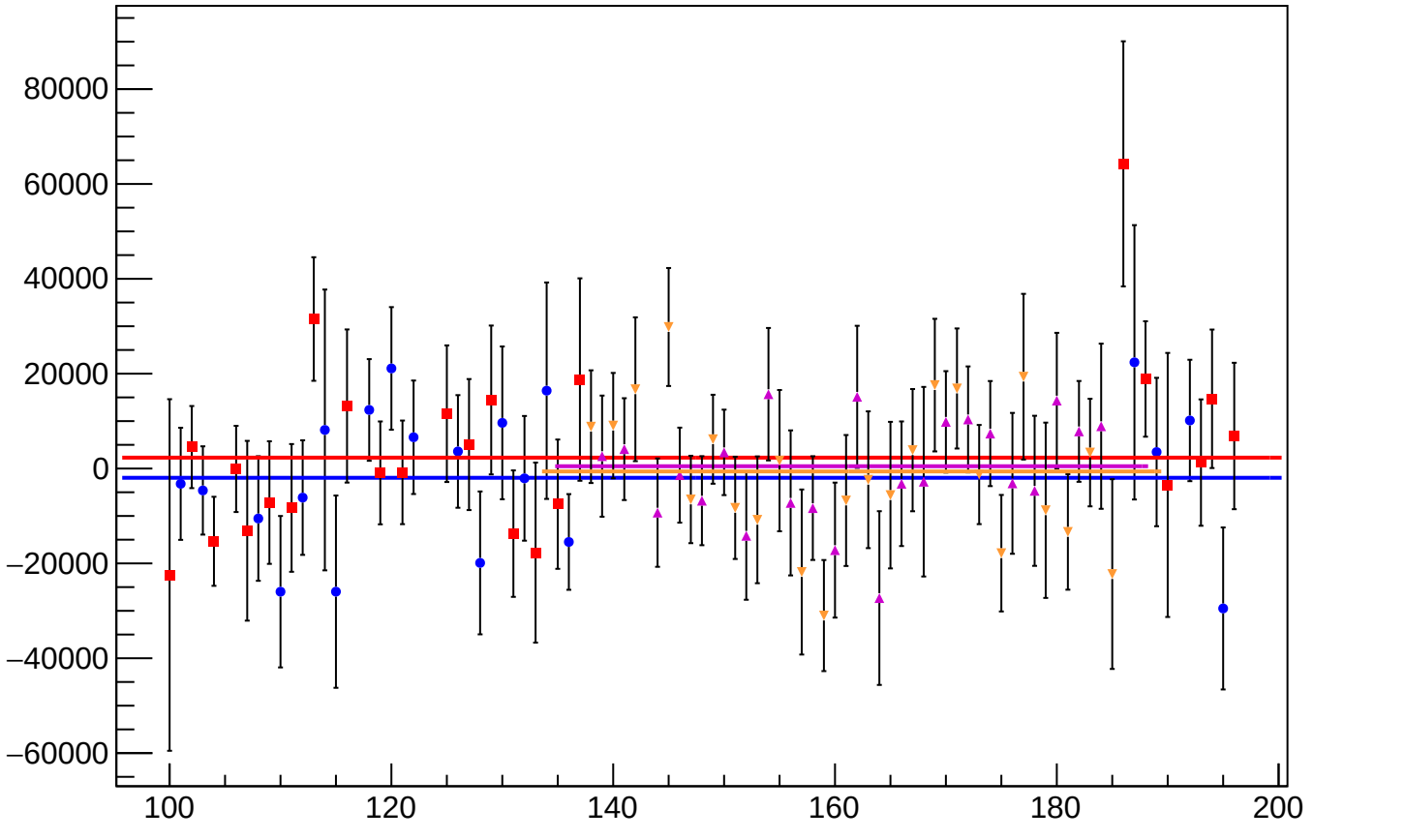
Right Out: 2263.250+/-0.478 χ^2/NDF: 189708.2/23

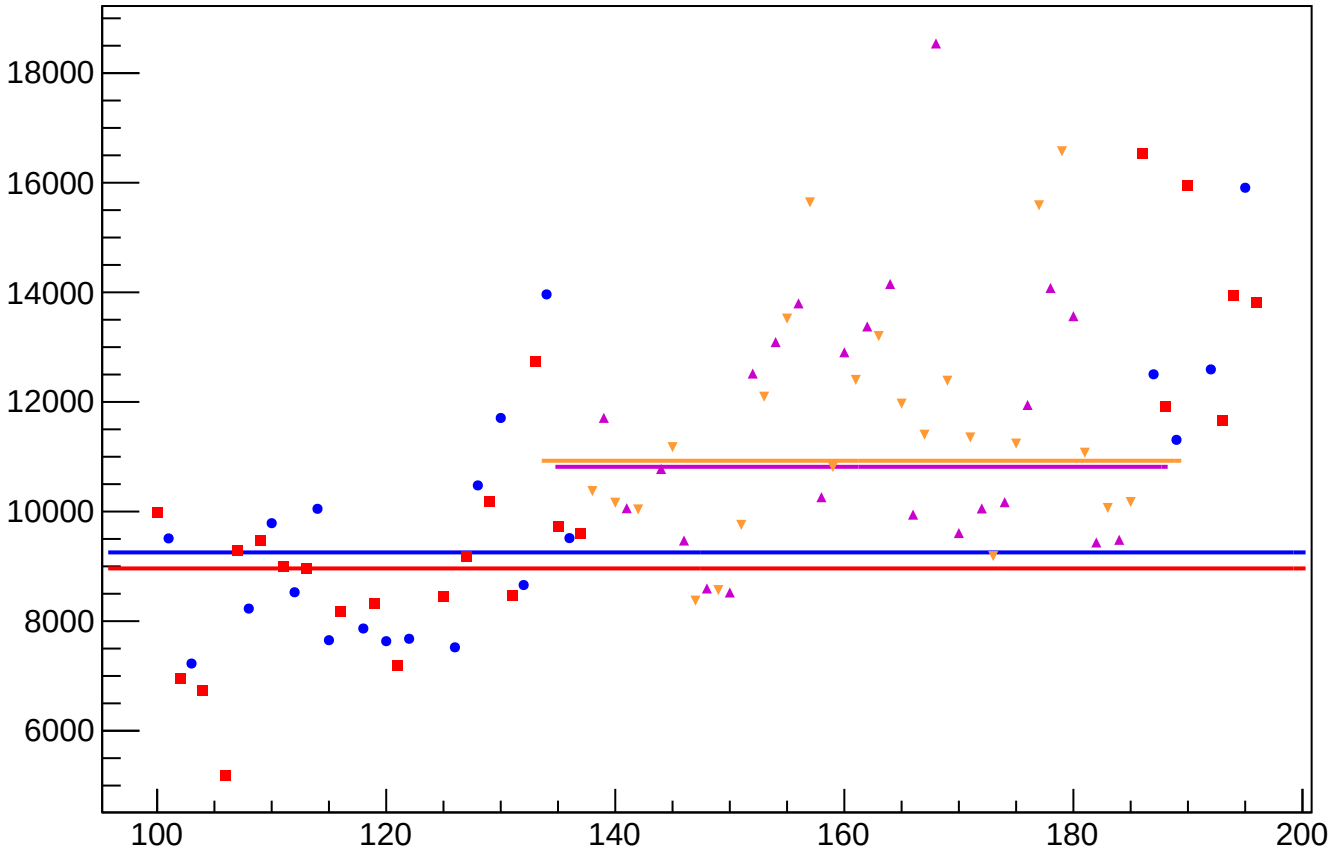
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.230+/-0.310 χ^2/NDF: 345376.3/43

All: 2324.357+/-0.217 χ^2/NDF: 652758.4/90

- sign 2322.574+/-0.303 χ^2/NDF: 307310.9/46


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -1950.339+/-3039.614 χ²/NDF: 18.8/19
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: 2299.729+/-2746.134 χ²/NDF: 24.8/23
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -1172.791+/-1971.362 χ²/NDF: 47.8/43
All: 142.383+/-1360.228 χ²/NDF: 87.2/90
- sign 1337.522+/-1879.248 χ²/NDF: 38.6/46



Right In: 9254.491+/-2.149 χ^2/NDF: 923251.8/19

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

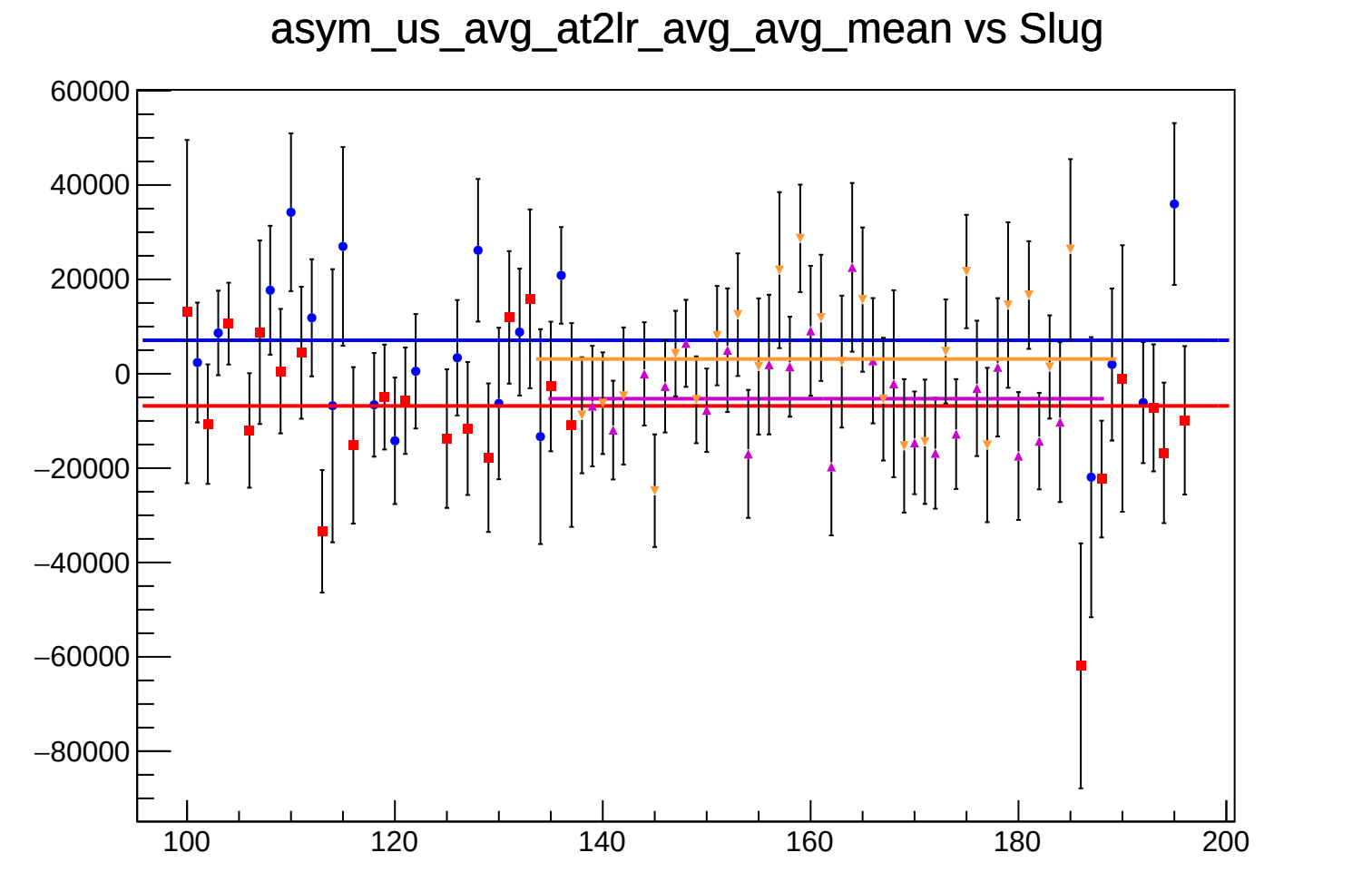
Right Out: 8962.221+/-1.942 χ^2/NDF: 1669356.9/23

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10223.429+/-1.394 χ^2/NDF: 2331357.9/43

All: 10079.157+/-0.962 χ^2/NDF: 5702744.7/9

- sign 9948.053+/-1.329 χ^2/NDF: 3350941.1/46



Right In: 7095.638+/-3092.032 χ^2/NDF: 19.0/19

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -6814.022+/-2905.477 χ^2/NDF: 21.5/23

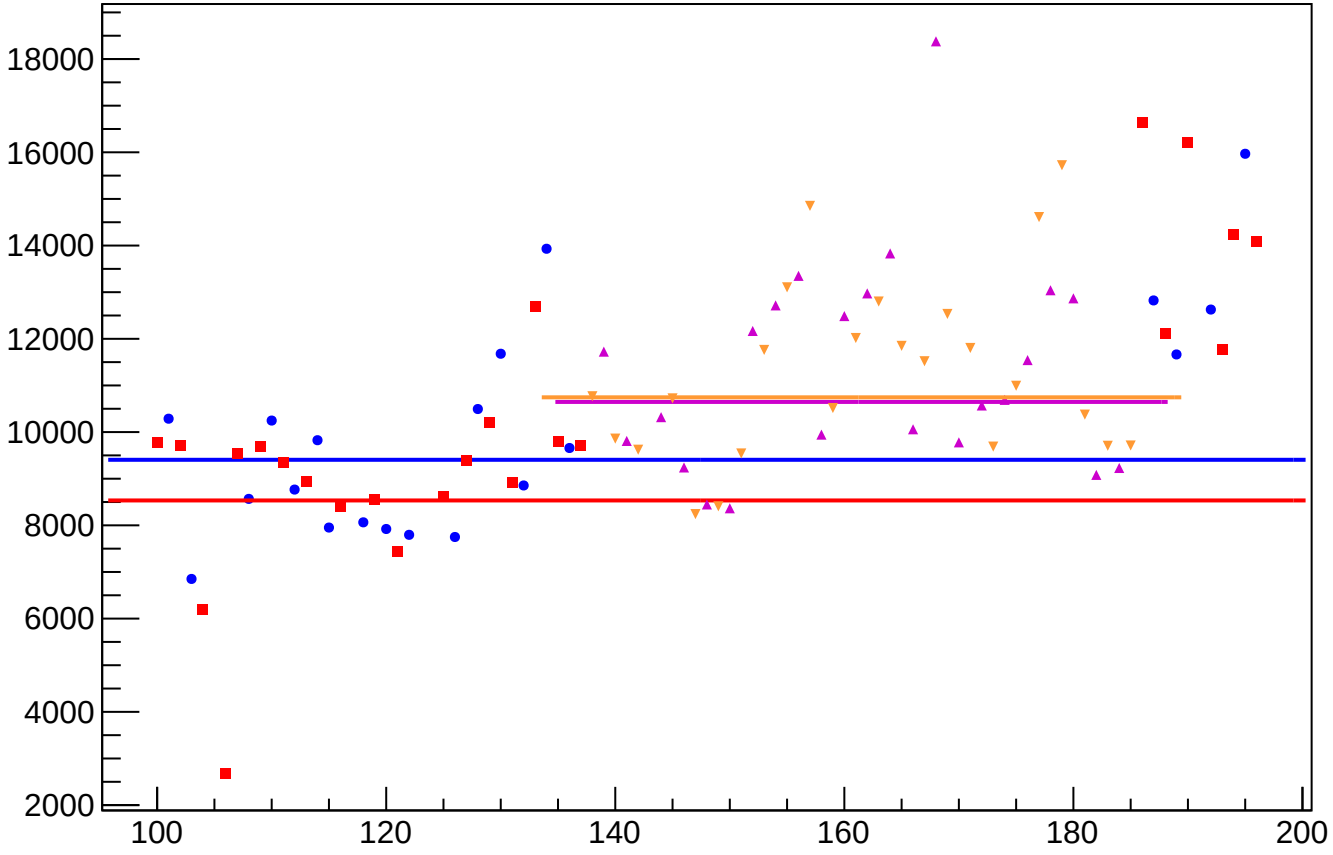
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4723.498+/-1964.005 χ^2/NDF: 47.4/43

All: -763.216+/-1369.010 χ^2/NDF: 97.6/90

- sign -5948.526+/-1909.298 χ^2/NDF: 35.0/46

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9405.595+/-2.186 χ^2/NDF: 945524.3/19

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

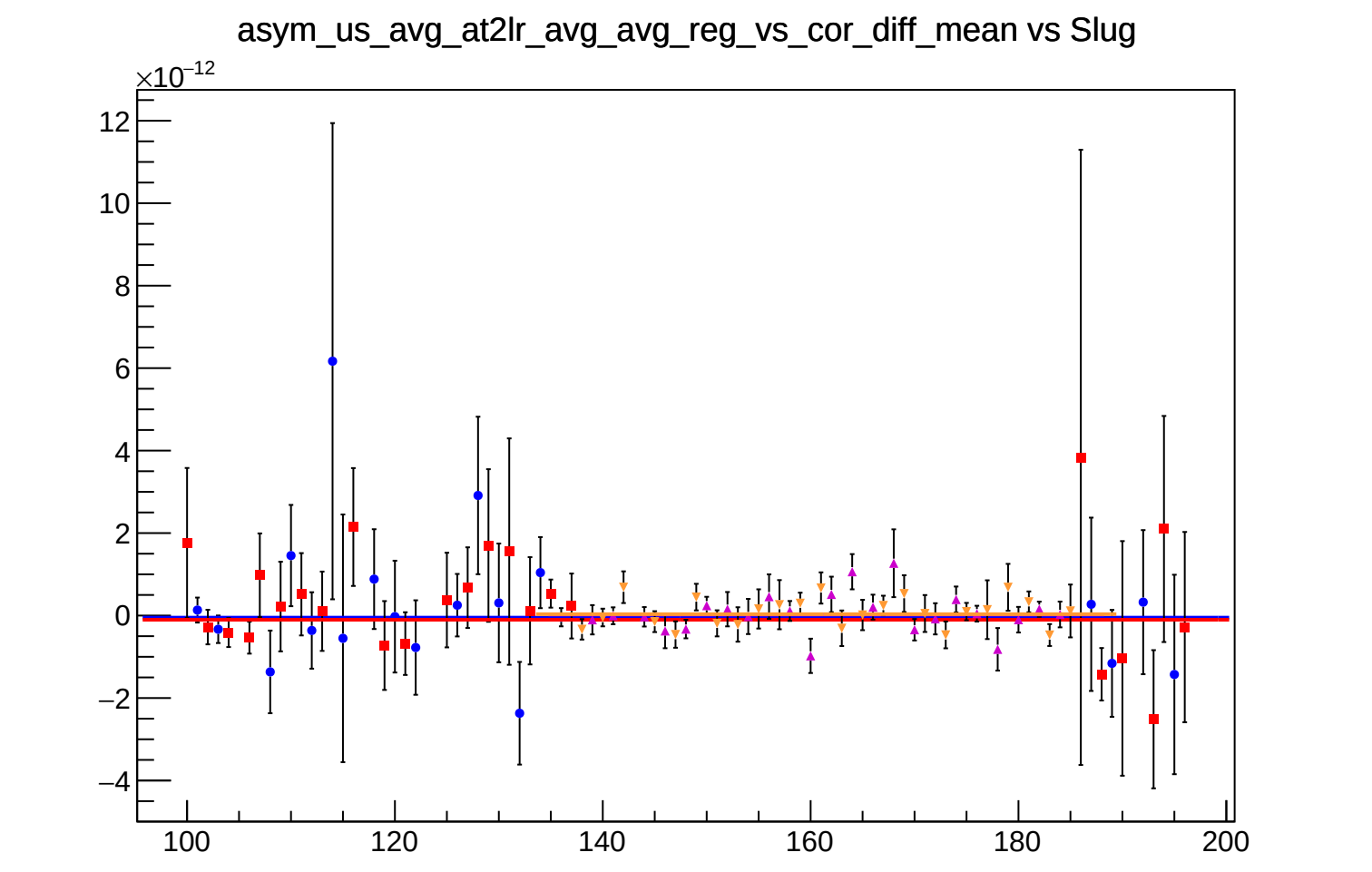
Right Out: 8533.786+/-1.934 χ^2/NDF: 3047941.3/23

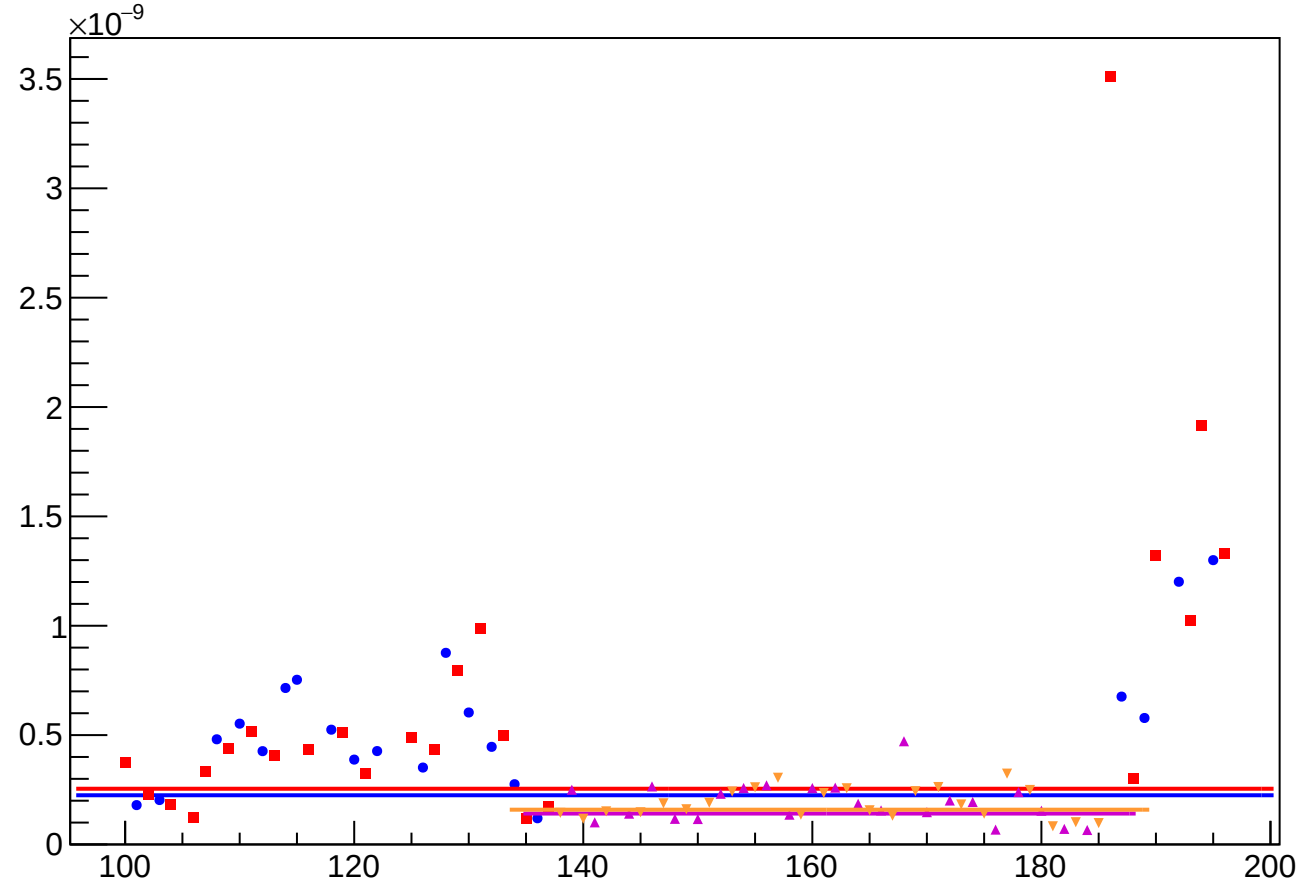
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10204.799+/-1.389 χ^2/NDF: 2134131.8/43

All: 9923.059+/-0.954 χ^2/NDF: 7016658.6/90

- 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: 15.4/19
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: 42.0/43
All: 0.000+/-0.000 χ²/NDF: 92.0/90
- sign 0.000+/-0.000 χ²/NDF: 50.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2919322.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

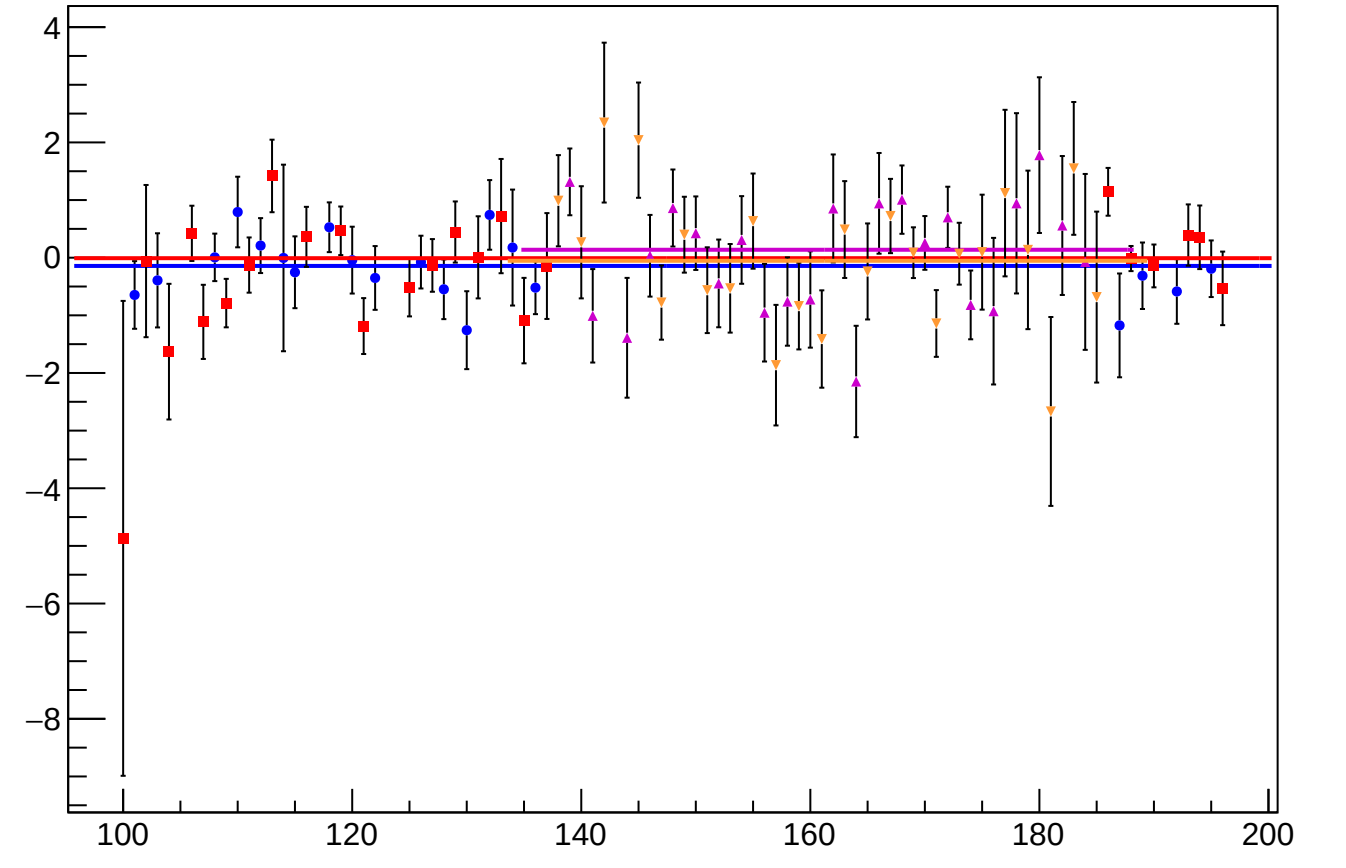
Right Out: 0.000+/-0.000 χ^2/NDF: 3873765.8/23

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4581508.6/43

All: 0.000+/-0.000 χ^2/NDF: 11883567.6/90

- sign 0.000+/-0.000 χ^2/NDF: 7246578.5/46



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

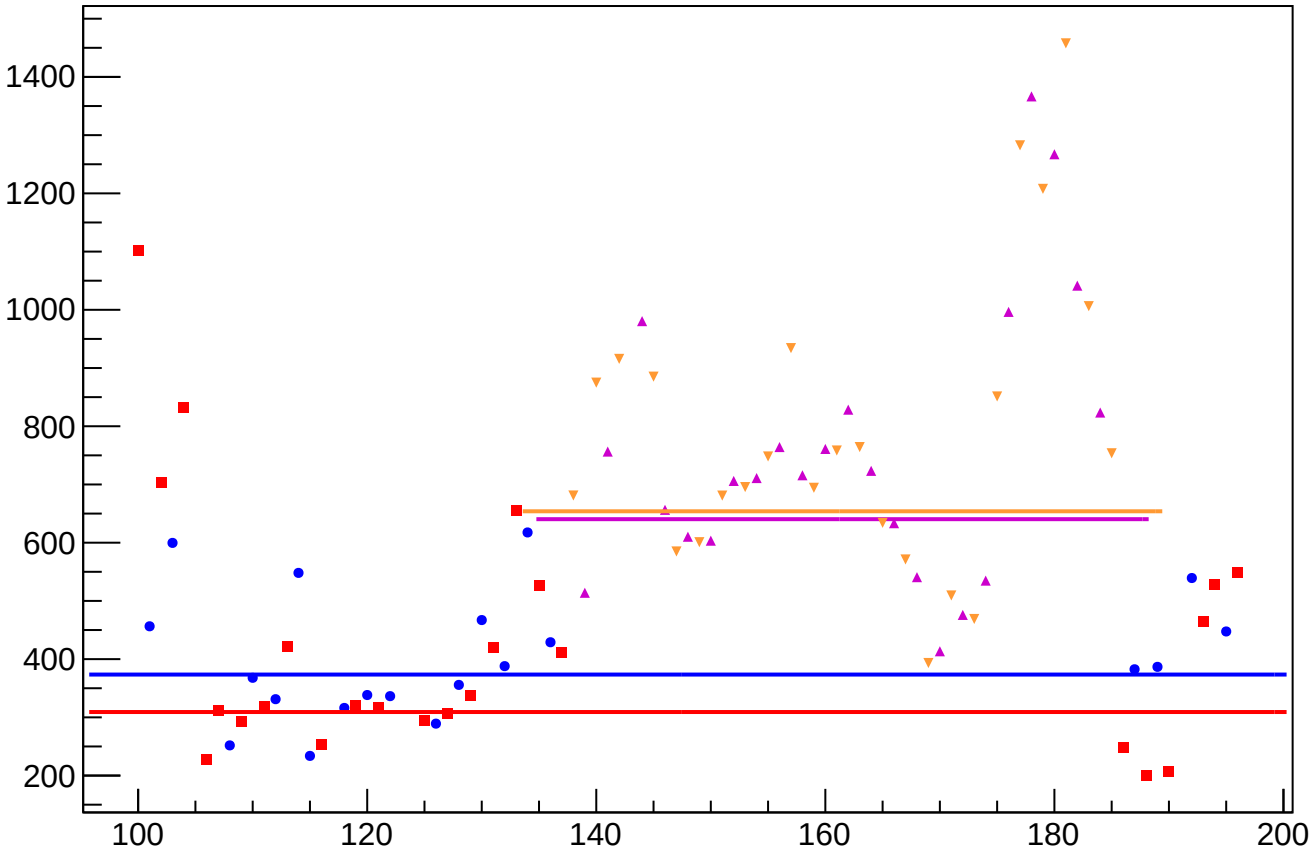
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.027+/-0.065 χ^2/NDF: 114.3/90

- sign 0.035+/-0.086 χ^2/NDF: 68.0/46



Right In: 373.508+/-0.089 χ^2/NDF: 1037186.4/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

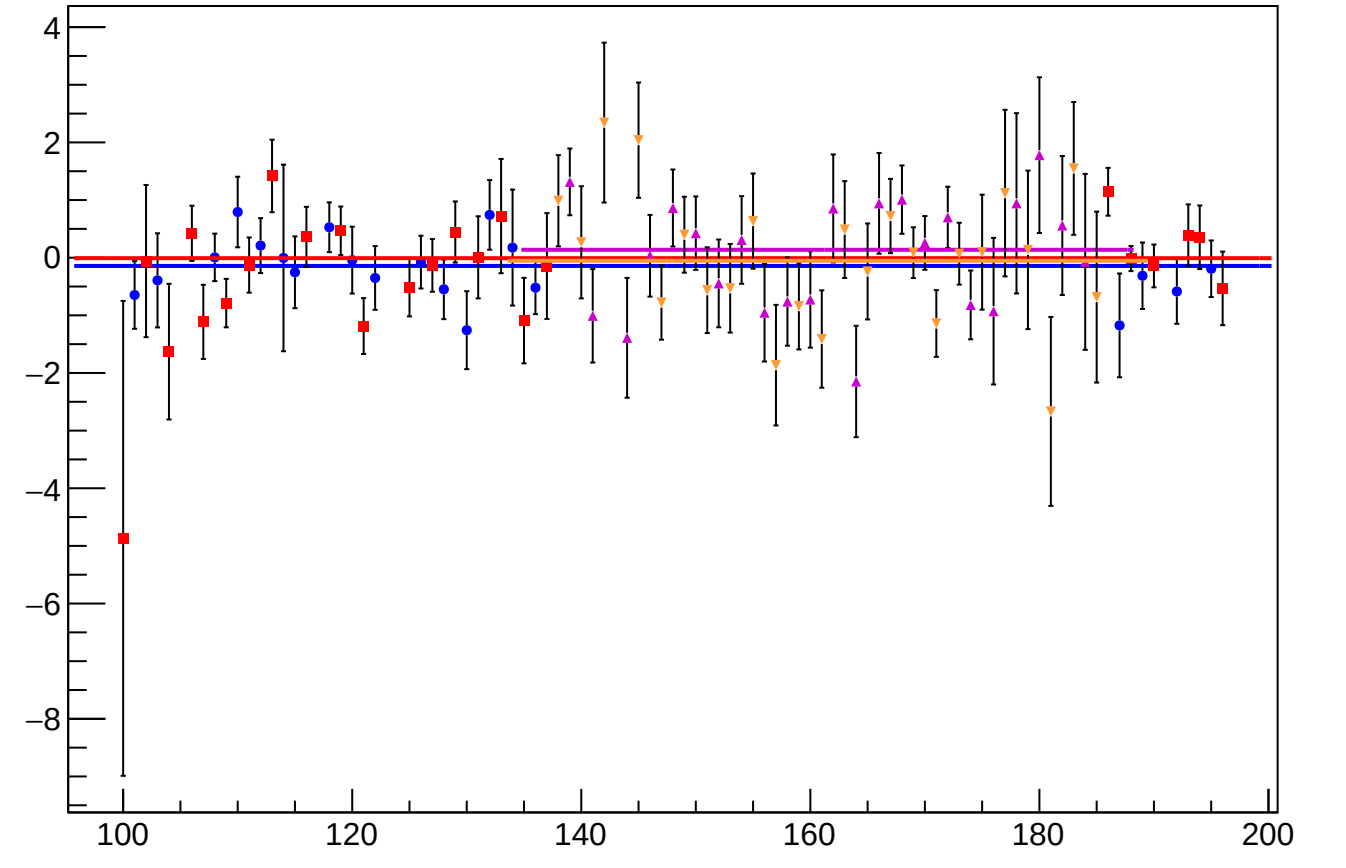
Right Out: 309.156+/-0.072 χ^2/NDF: 2760570.5/23

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.102+/-0.070 χ^2/NDF: 7907487.6/43

All: 438.081+/-0.046 χ^2/NDF: 20146134.9/90

- sign 406.858+/-0.061 χ^2/NDF: 11616440.5/46



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

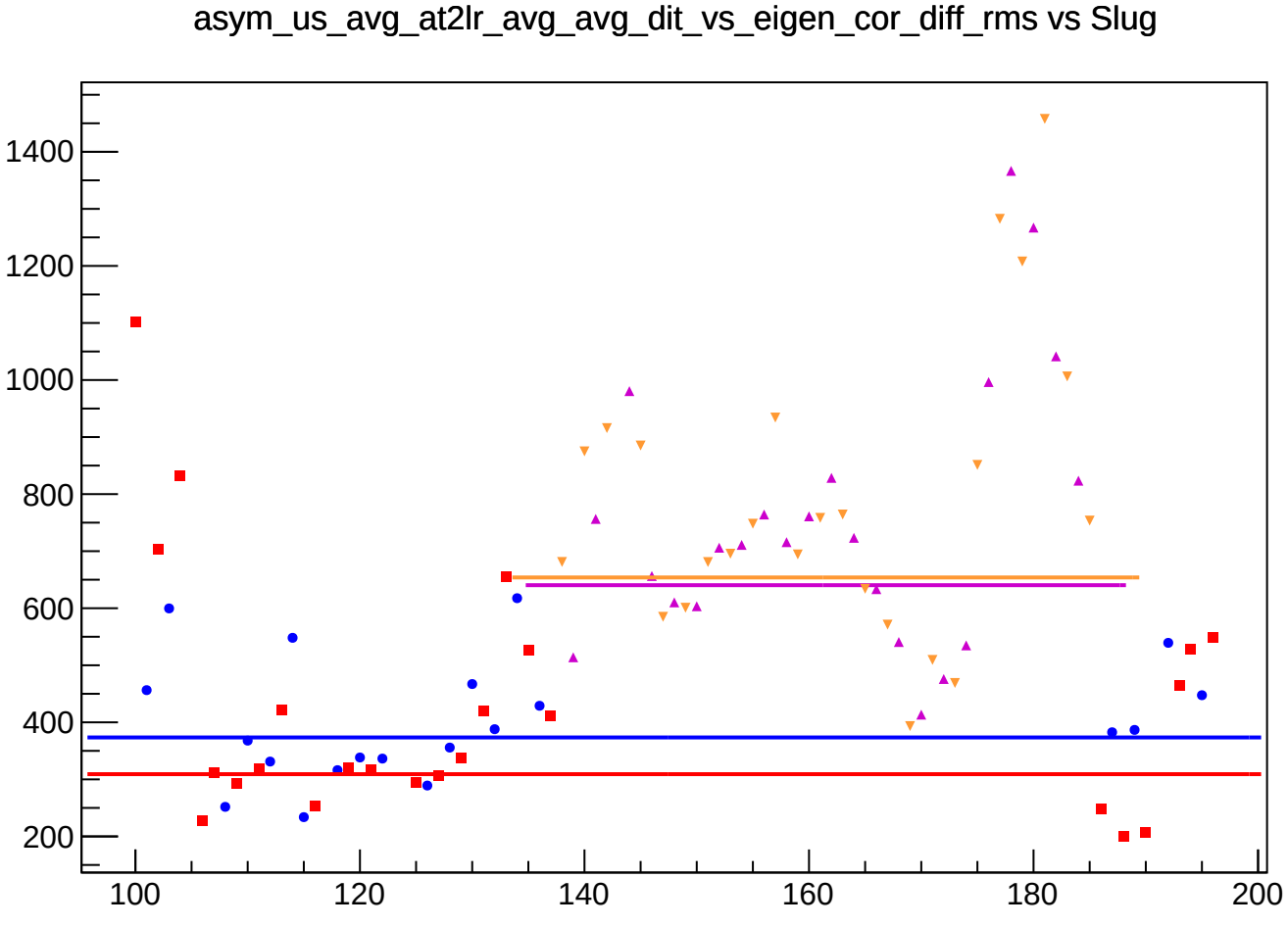
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.027+/-0.065 χ^2/NDF: 114.3/90

- sign 0.035+/-0.086 χ^2/NDF: 68.0/46



Right In: 373.508+/-0.089 χ^2/NDF: 1037186.4/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

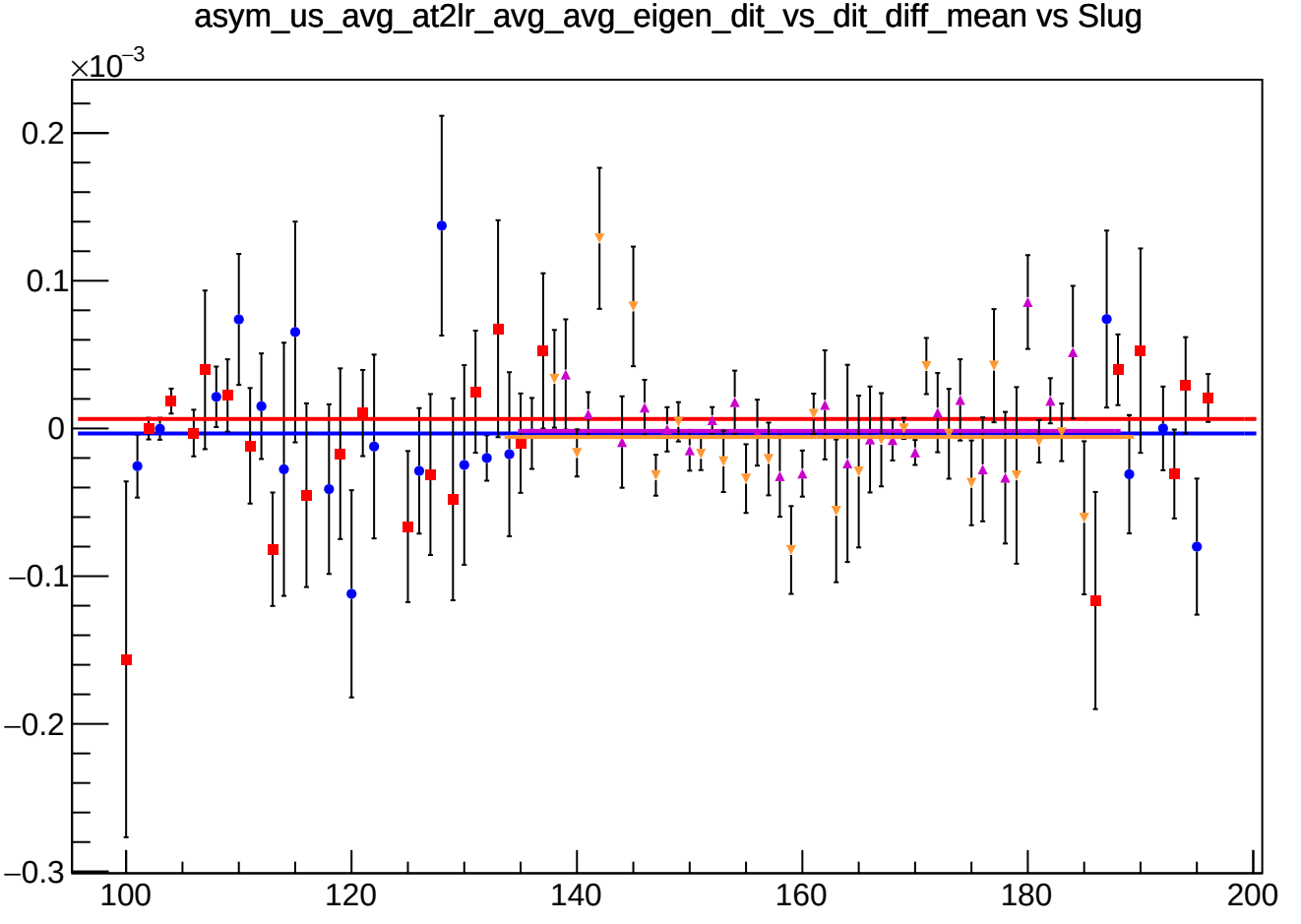
Right Out: 309.156+/-0.072 χ^2/NDF: 2760570.5/23

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.102+/-0.070 χ^2/NDF: 7907487.6/43

All: 438.081+/-0.046 χ^2/NDF: 20146134.9/90

- sign 406.858+/-0.061 χ^2/NDF: 11616440.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

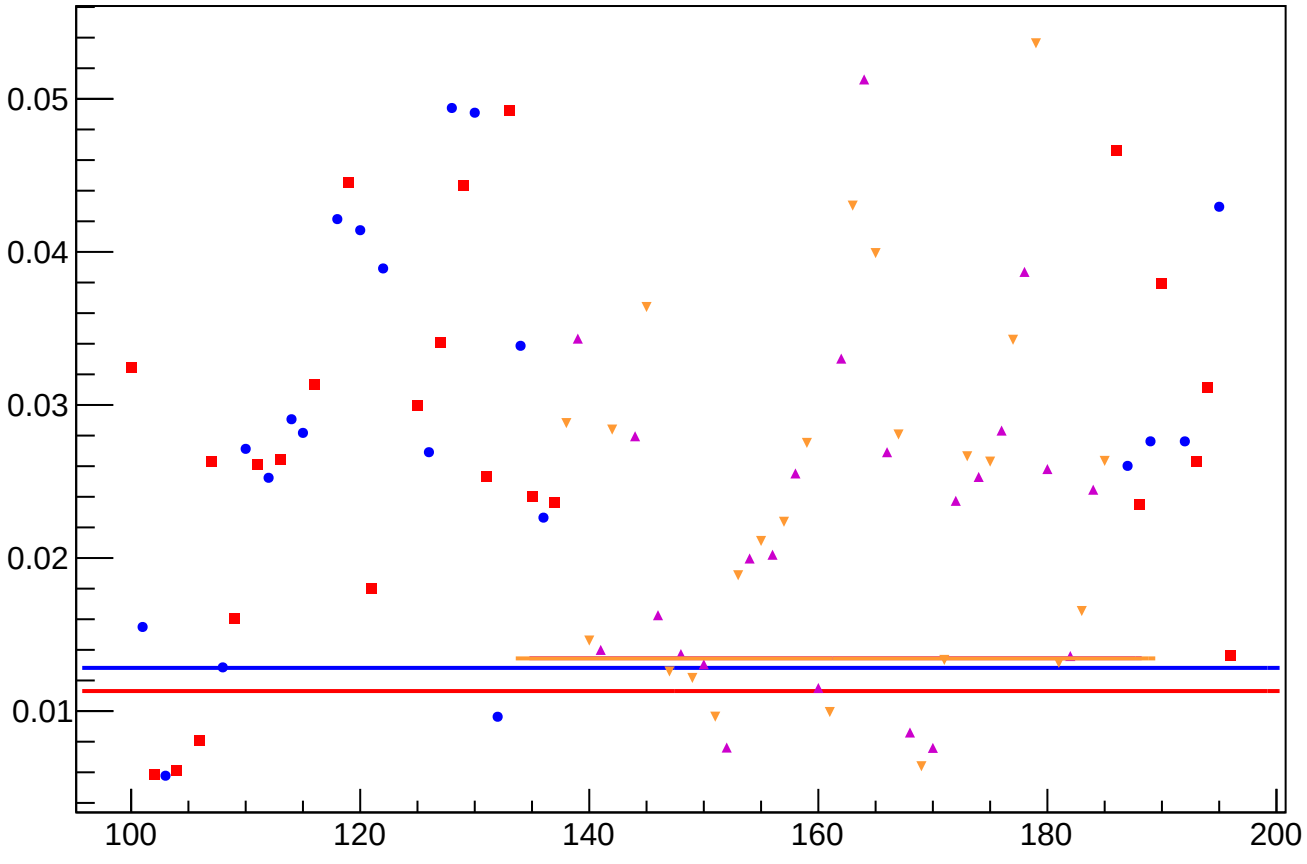
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/23

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.7/43

All: -0.000+/-0.000 χ^2/NDF: 118.2/90

- sign 0.000+/-0.000 χ^2/NDF: 52.8/46



Right In: 0.013+/-0.000 χ^2/NDF: 7400351.2/19

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

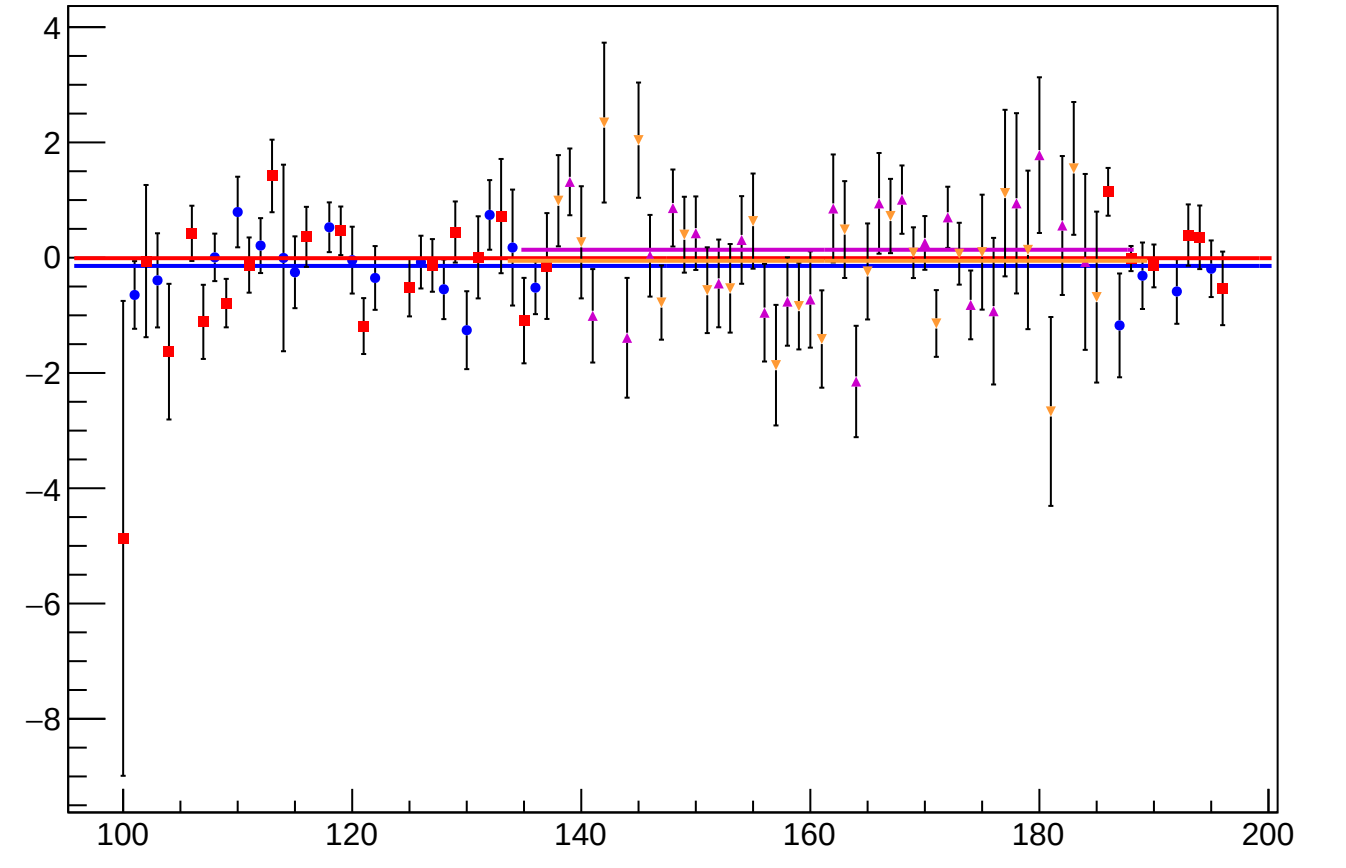
Right Out: 0.011+/-0.000 χ^2/NDF: 8613924.7/23

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 16274677.3/43

All: 0.013+/-0.000 χ^2/NDF: 32773345.4/90

- sign 0.013+/-0.000 χ^2/NDF: 16442974.3/46



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

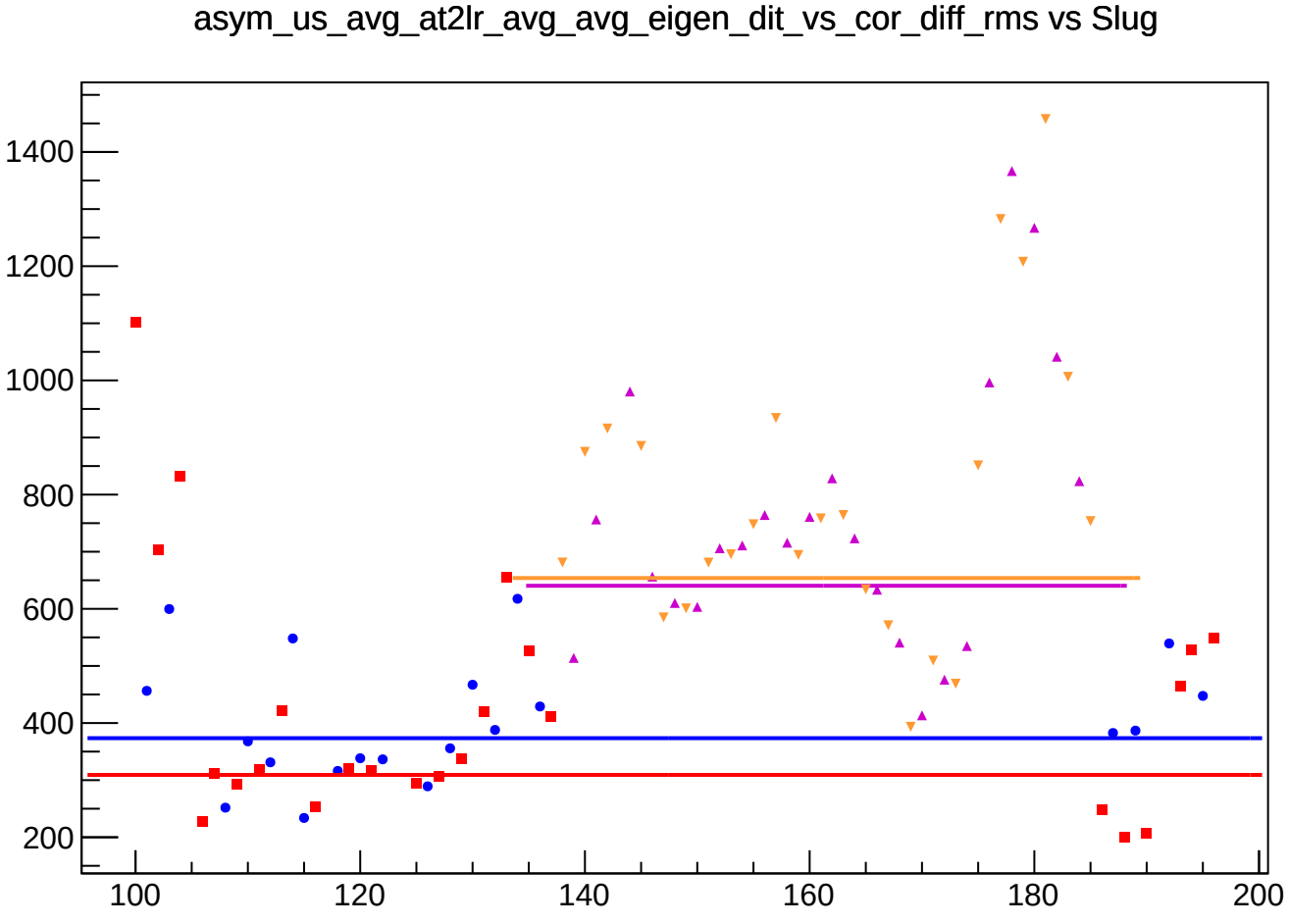
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

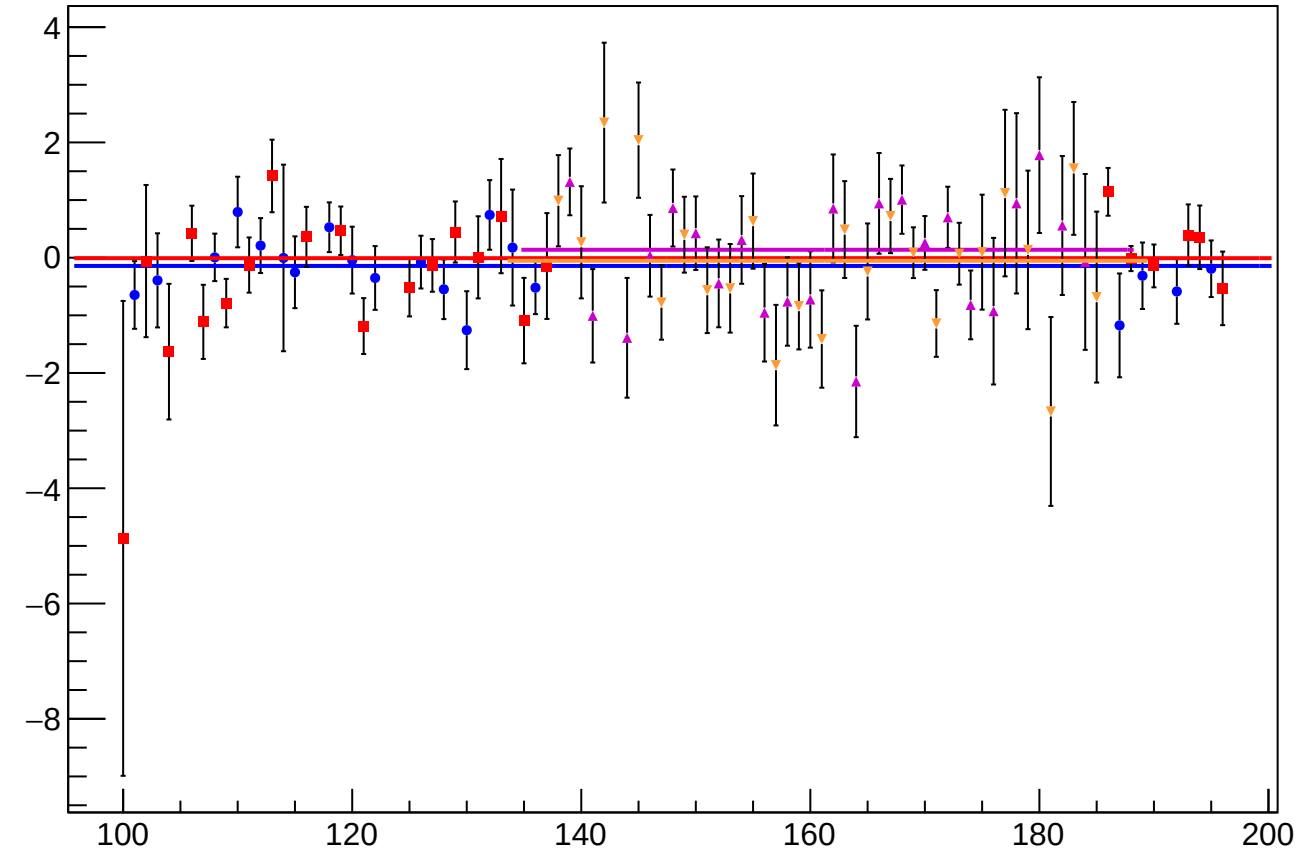
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.027+/-0.065 χ^2/NDF: 114.3/90

- sign 0.035+/-0.086 χ^2/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: 373.507+/-0.089 χ²/NDF: 1037148.6/19
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 480.101+/-0.070 χ²/NDF: 7907696.9/43
All: 438.076+/-0.046 χ²/NDF: 20147065.4/90
- sign 406.852+/-0.061 χ²/NDF: 11617065.5/46



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

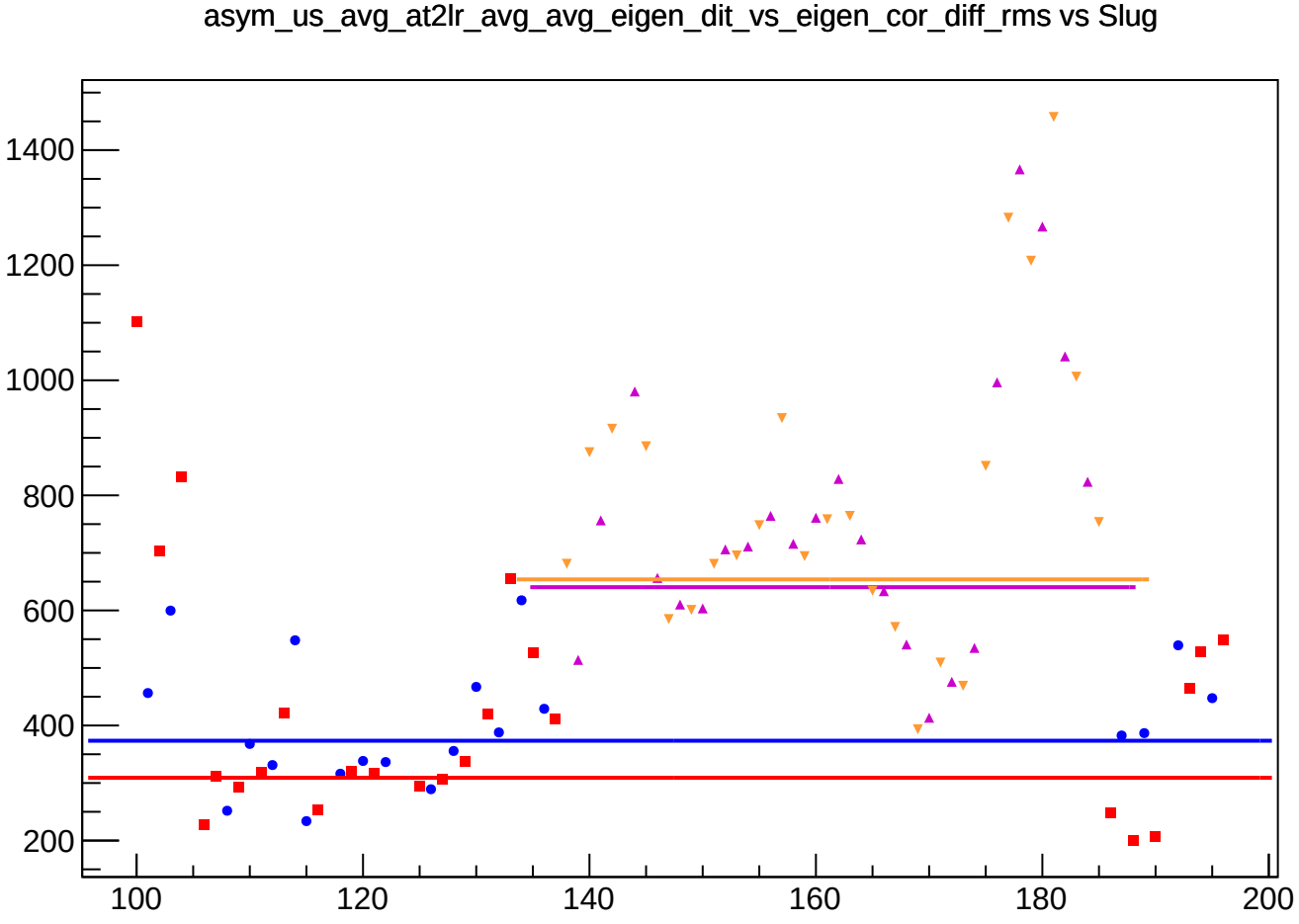
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.027+/-0.065 χ^2/NDF: 114.3/90

- sign 0.035+/-0.086 χ^2/NDF: 68.0/46



Right In: 373.507+/-0.089 χ^2/NDF: 1037148.6/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

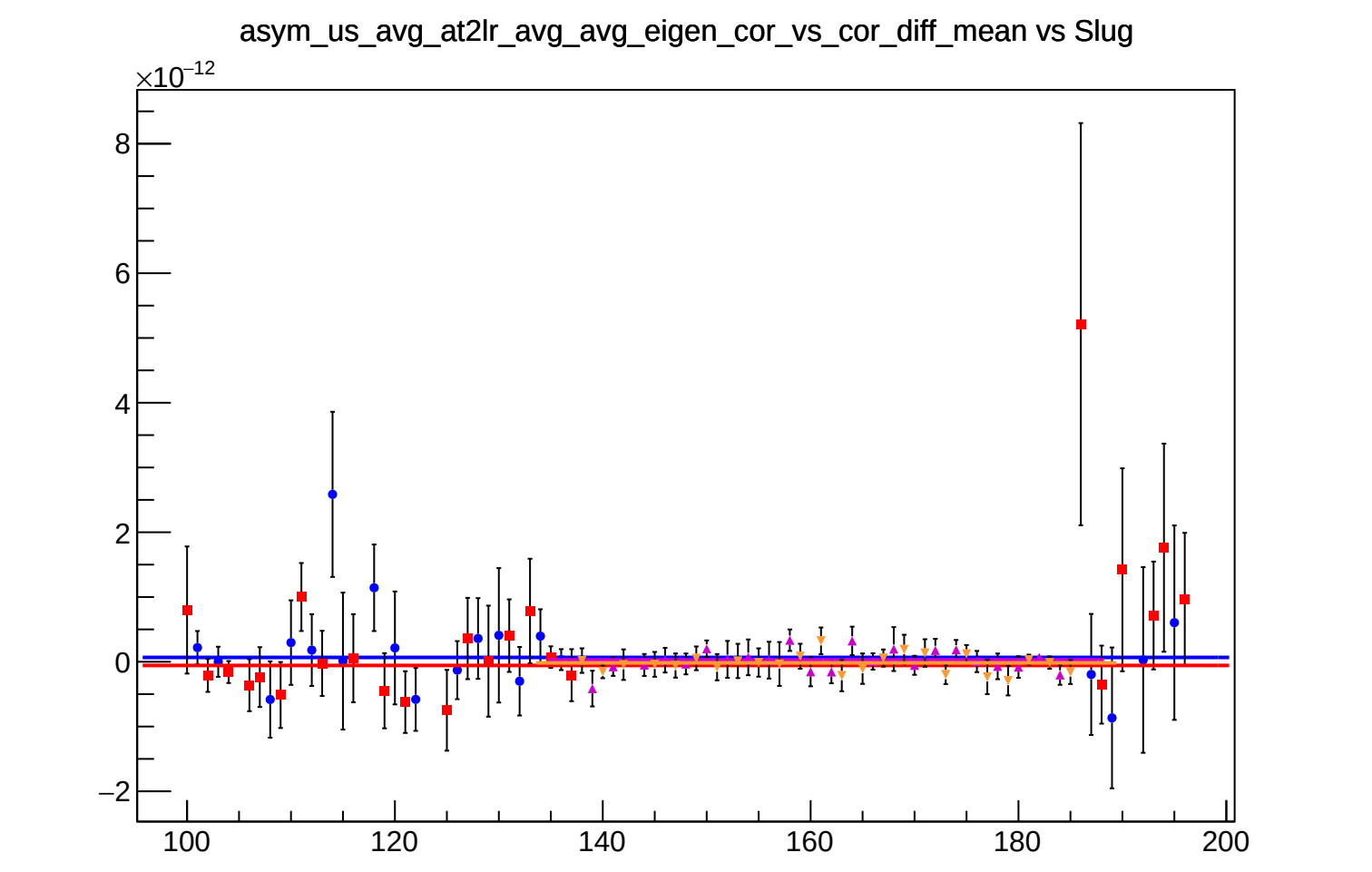
Right Out: 309.149+/-0.072 χ^2/NDF: 2760702.1/23

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 480.101+/-0.070 χ^2/NDF: 7907696.9/43

All: 438.076+/-0.046 χ^2/NDF: 20147065.4/90

- sign 406.852+/-0.061 χ^2/NDF: 11617065.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

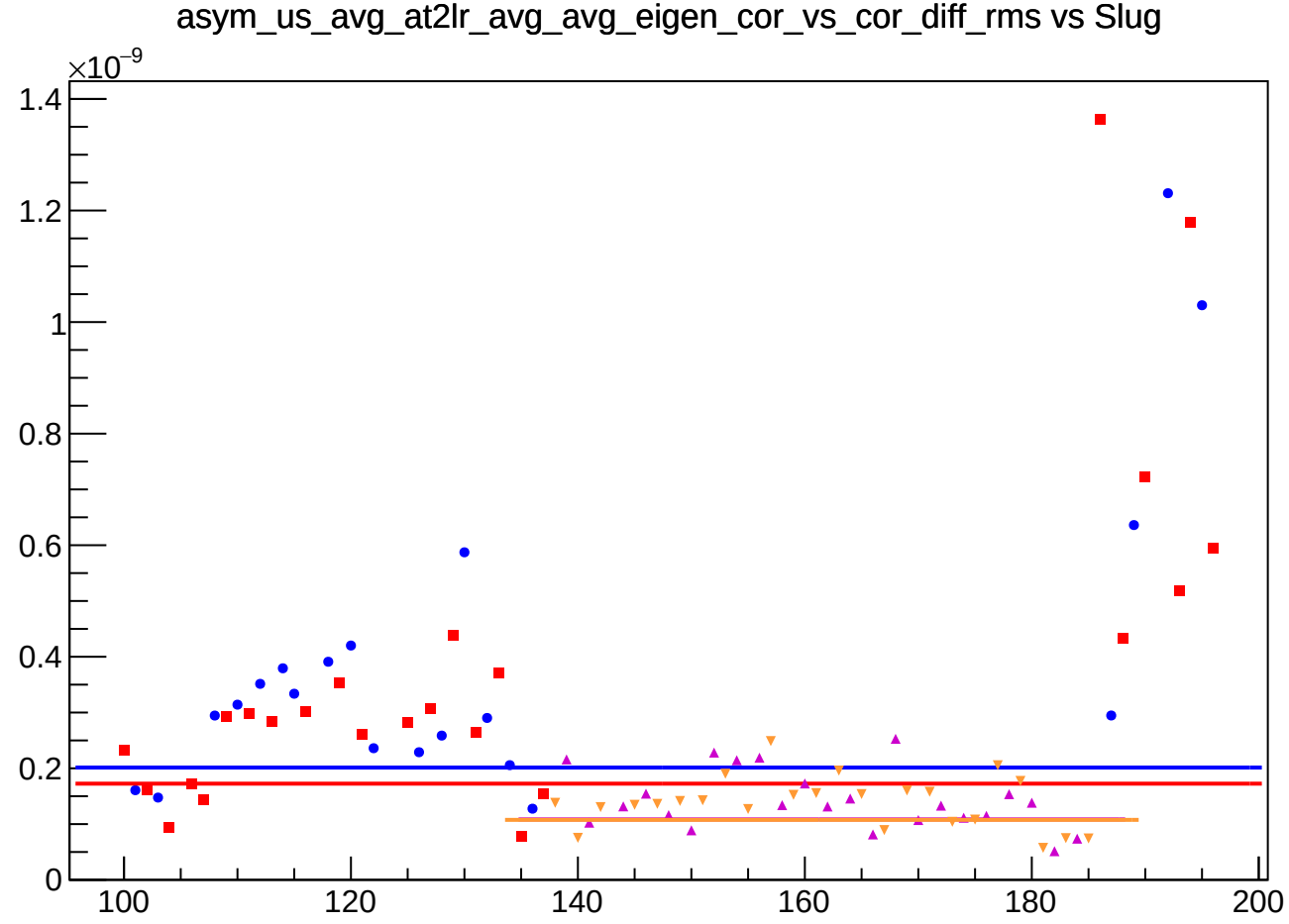
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/43

All: 0.000+/-0.000 χ^2/NDF: 65.9/90

- sign 0.000+/-0.000 χ^2/NDF: 39.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3535056.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4668319.8/23

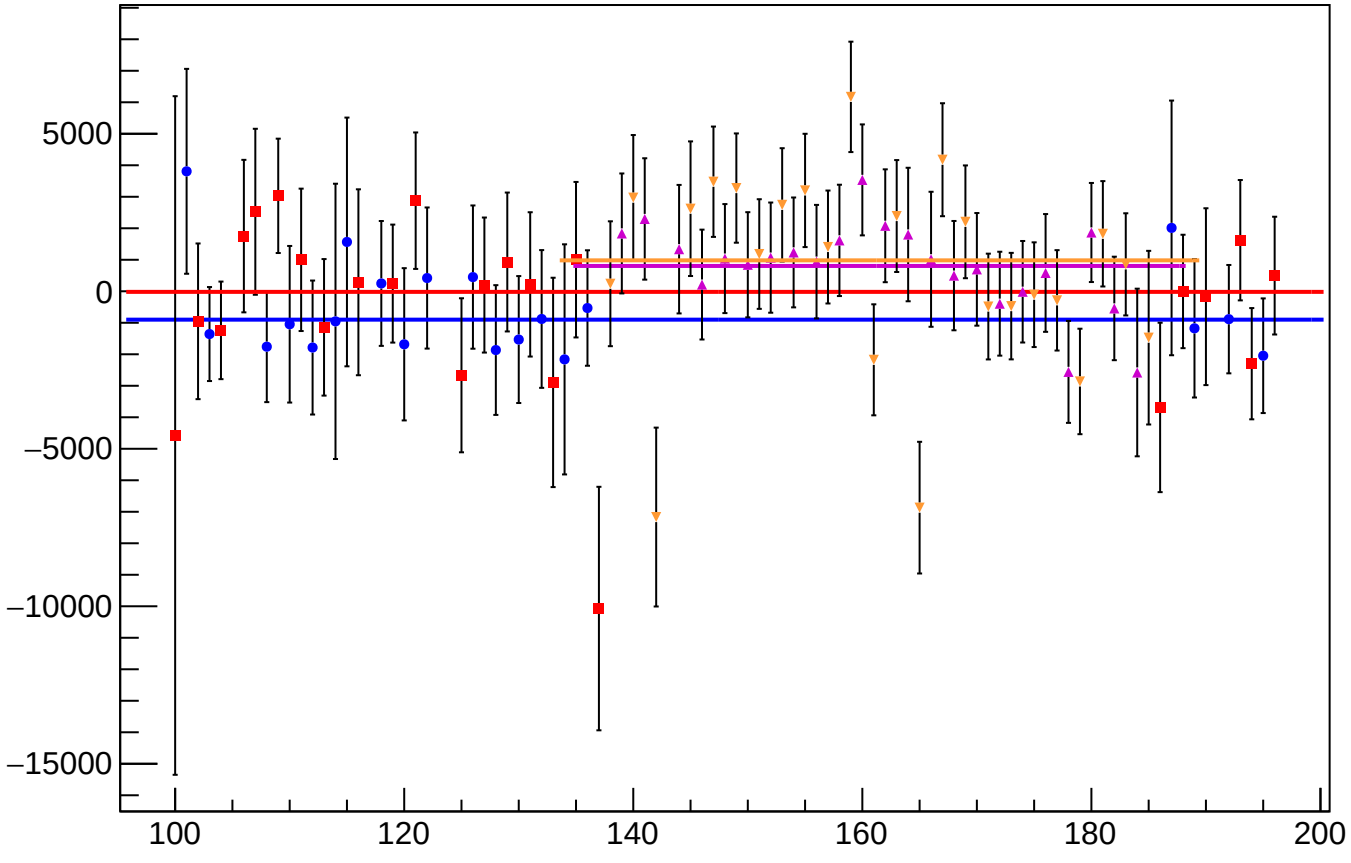
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8722396.9/43

All: 0.000+/-0.000 χ^2/NDF: 18274669.5/90

- sign 0.000+/-0.000 χ^2/NDF: 9551931.6/46

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -900.942+/-490.482 χ^2/NDF: 5.5/19

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -18.888+/-457.067 χ^2/NDF: 20.9/23

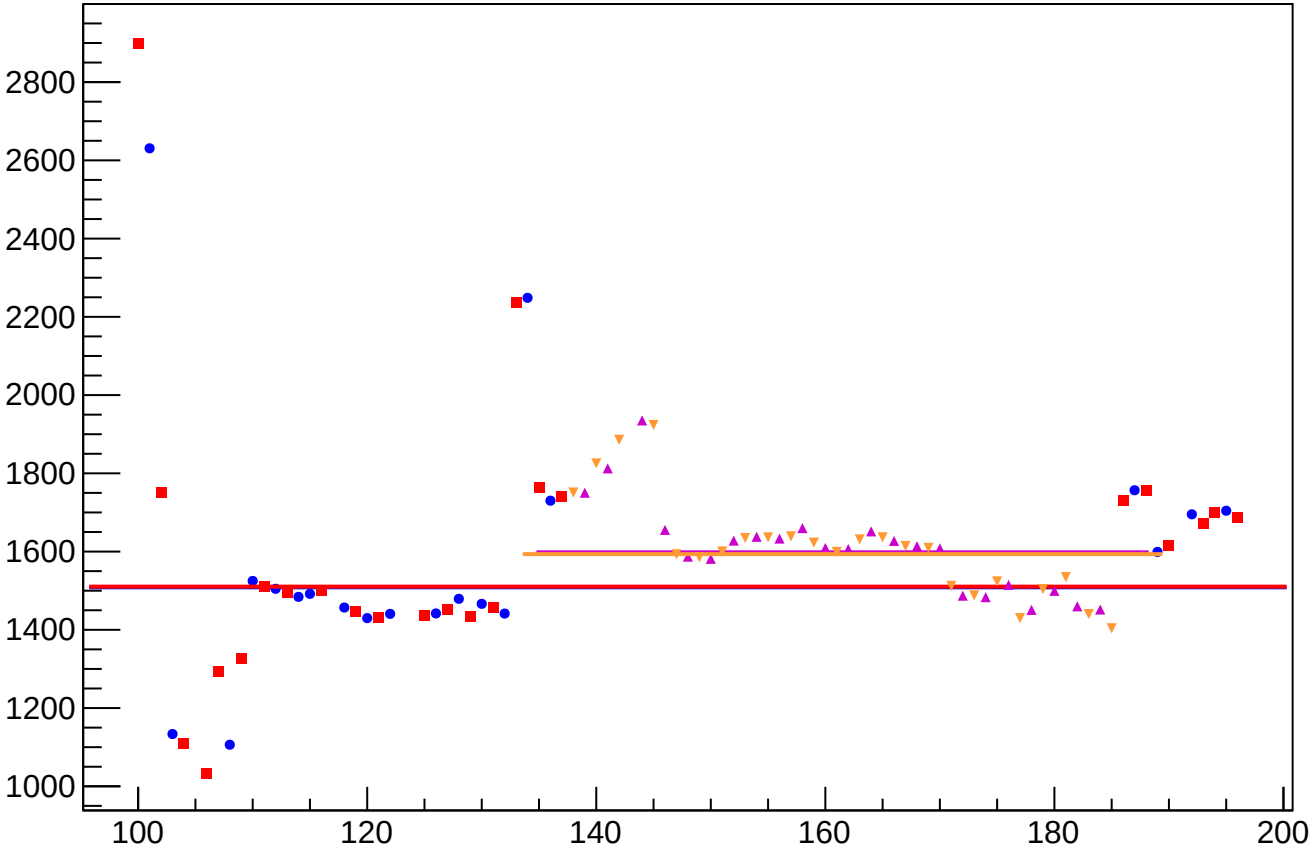
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 296.884+/-295.809 χ^2/NDF: 70.5/43

All: 387.290+/-206.894 χ^2/NDF: 106.0/90

- sign 473.867+/-289.479 χ^2/NDF: 35.3/46

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1508.689+/-0.347 χ^2/NDF: 648290.8/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

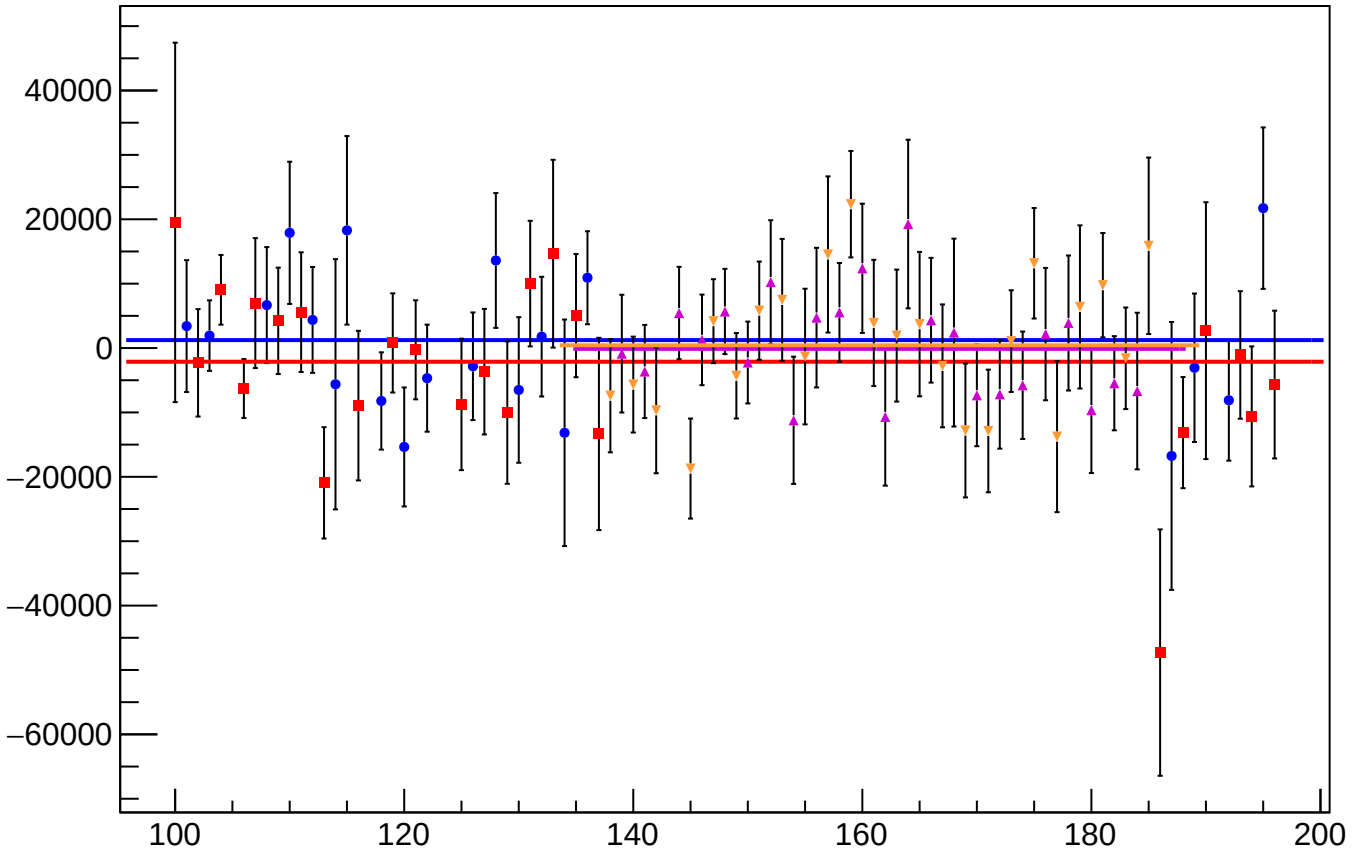
Right Out: 1510.381+/-0.322 χ^2/NDF: 564979.4/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.0/43

All: 1562.675+/-0.146 χ^2/NDF: 1652481.9/90

- sign 1562.707+/-0.204 χ^2/NDF: 778545.8/46



Right In: 1232.736+/-2122.621 χ^2/NDF: 18.7/19

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2124.643+/-1850.440 χ^2/NDF: 26.0/23

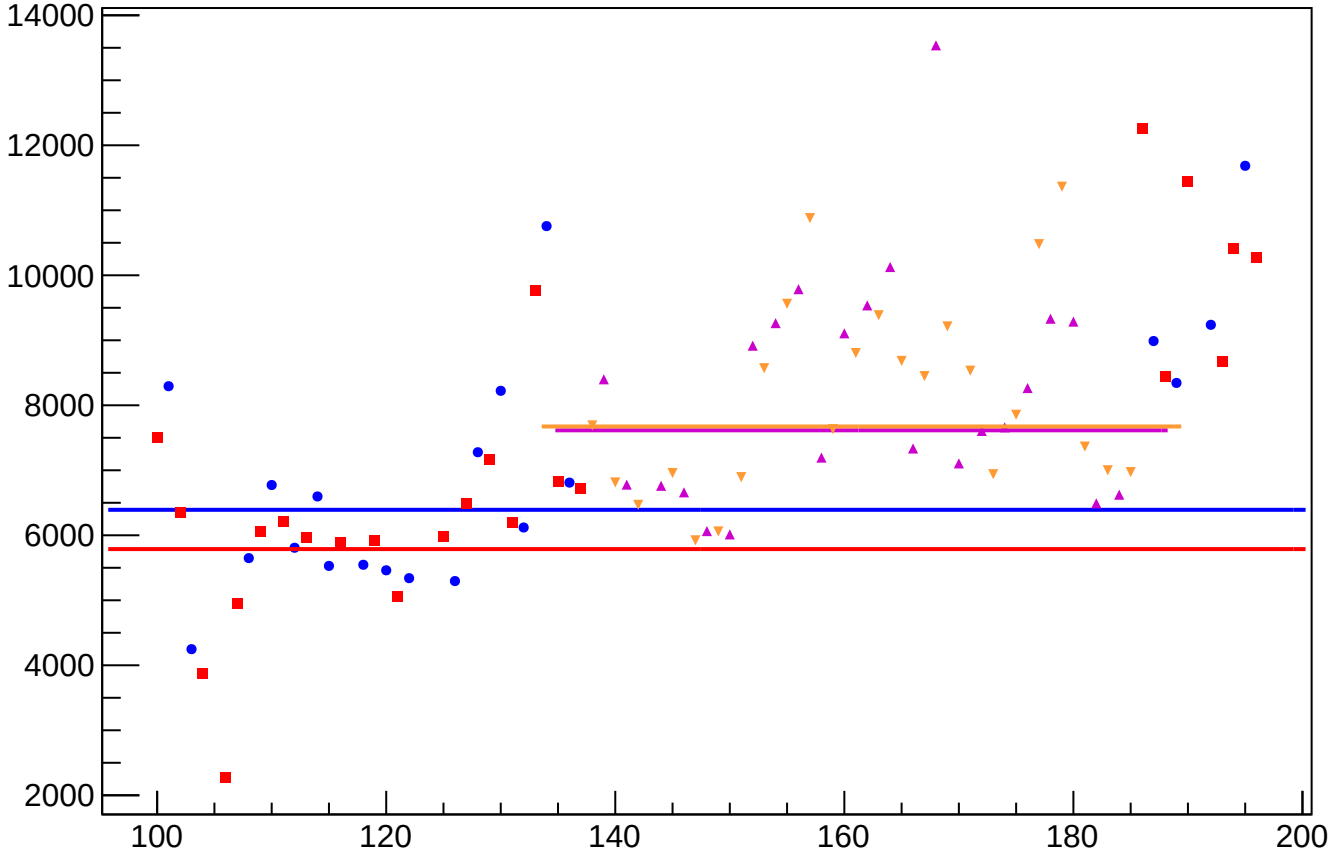
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 768.187+/-1381.597 χ^2/NDF: 48.2/43

All: -229.036+/-945.101 χ^2/NDF: 89.6/90

- sign -1106.094+/-1295.685 χ^2/NDF: 40.4/46

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6391.904+/-1.501 χ^2/NDF: 1347286.9/19

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5787.722+/-1.308 χ^2/NDF: 3130255.3/23

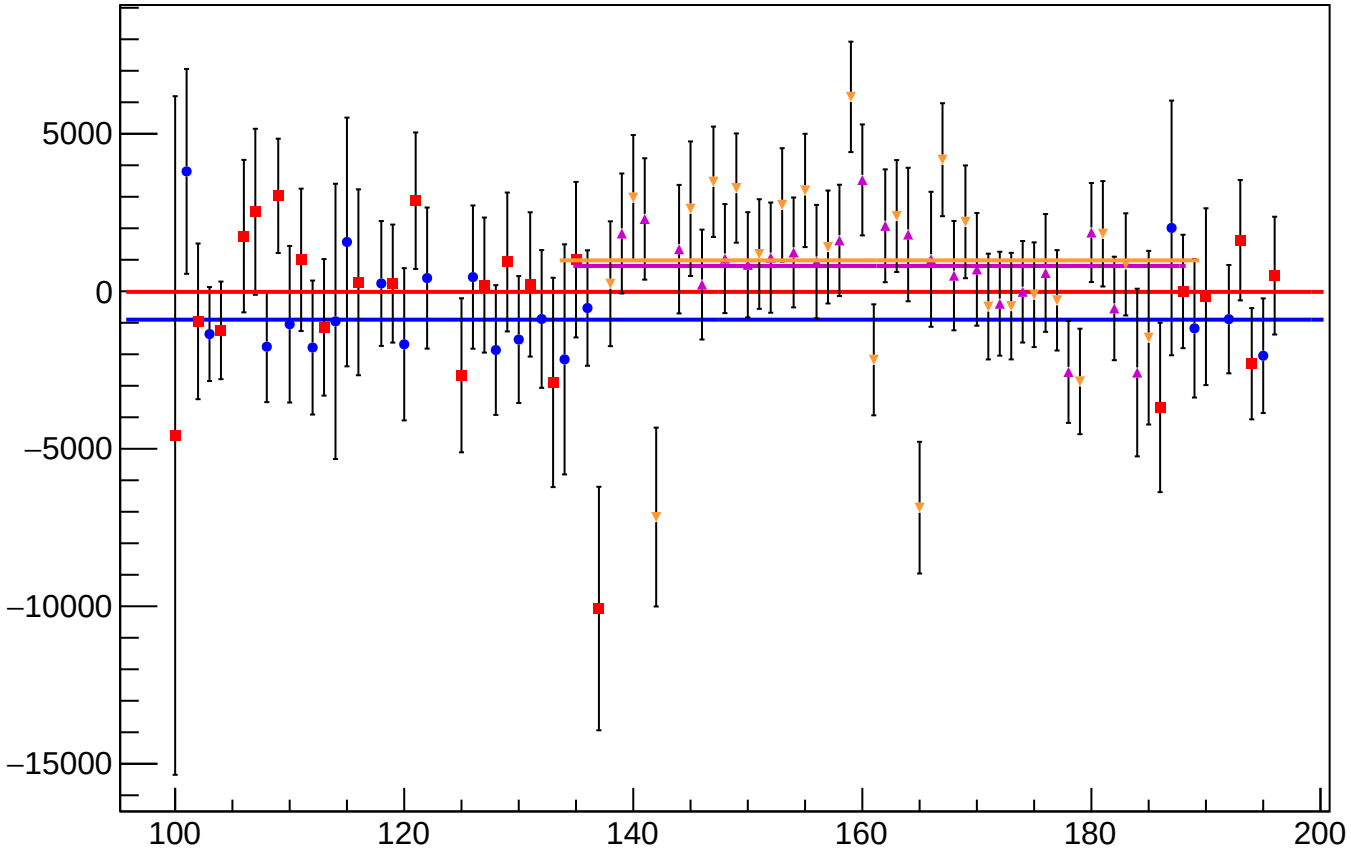
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7130.861+/-0.977 χ^2/NDF: 2844577.3/43

All: 6911.780+/-0.668 χ^2/NDF: 8287911.0/90

- sign 6719.099+/-0.916 χ^2/NDF: 5348815.0/46

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -901.015+/-490.482 χ^2/NDF: 5.5/19

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -18.983+/-457.067 χ^2/NDF: 20.9/23

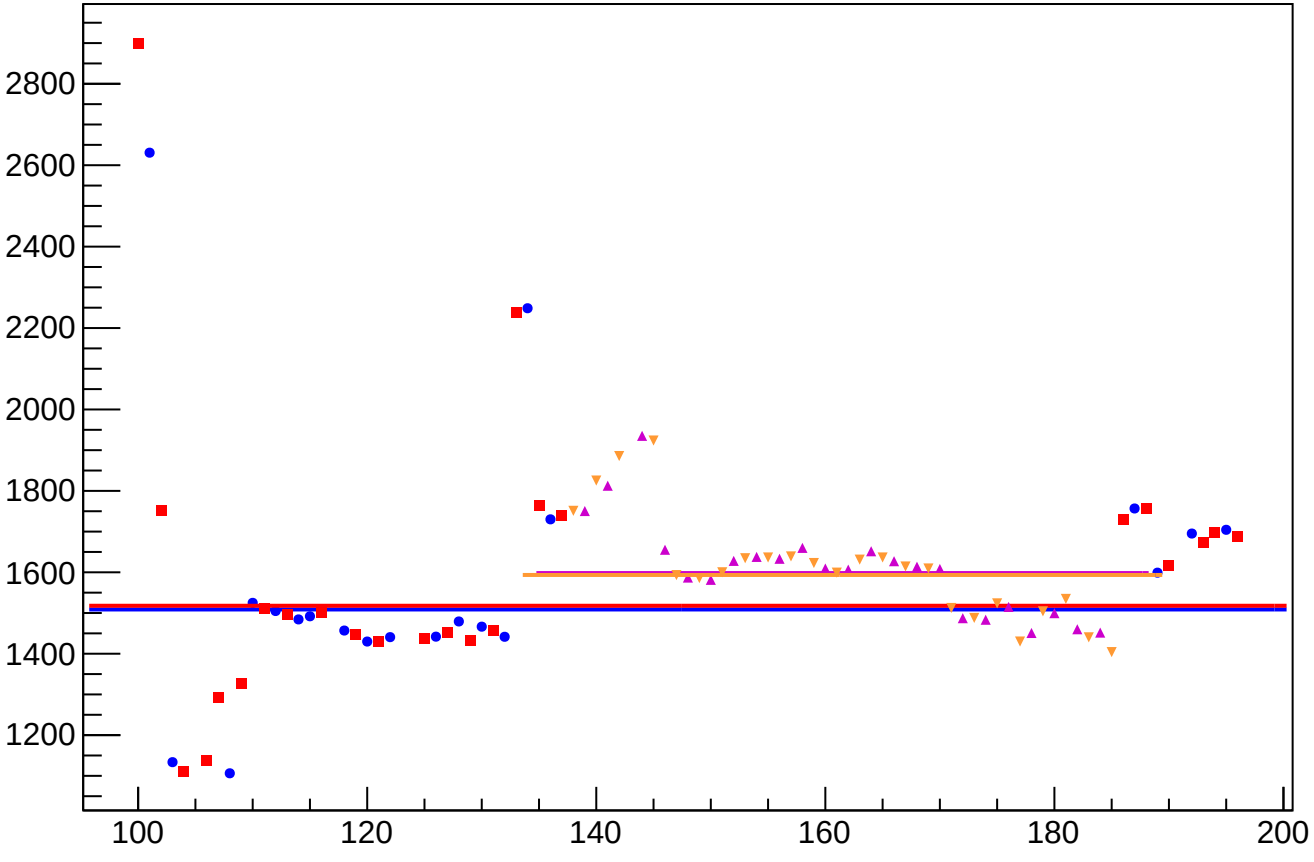
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 296.911+/-295.809 χ^2/NDF: 70.5/43

All: 387.245+/-206.894 χ^2/NDF: 106.0/90

- sign 473.754+/-289.479 χ^2/NDF: 35.3/46

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1508.689+/-0.347 χ^2/NDF: 648291.1/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

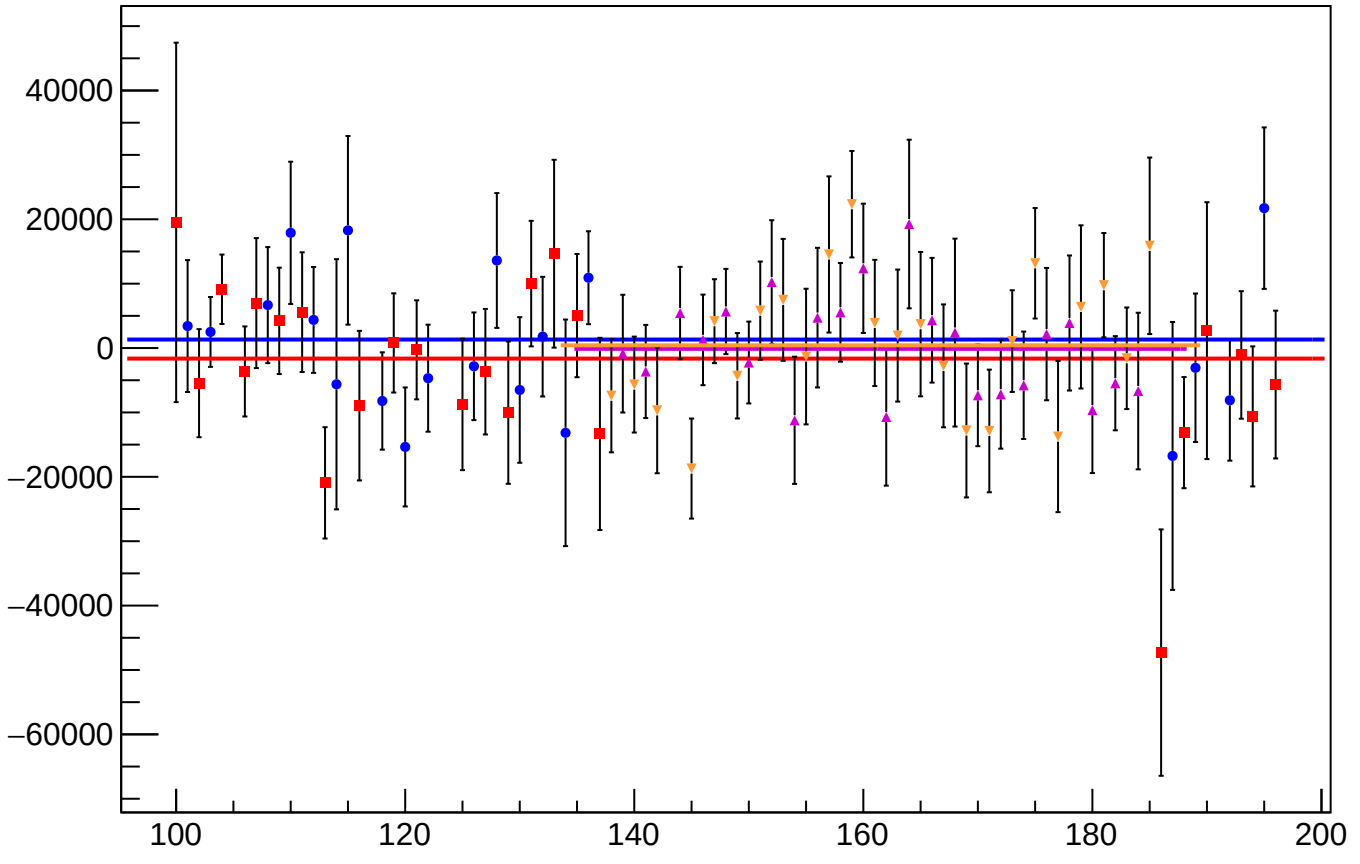
Right Out: 1517.813+/-0.323 χ^2/NDF: 516025.5/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.4/43

All: 1564.278+/-0.146 χ^2/NDF: 1596284.8/90

- sign 1565.845+/-0.205 χ^2/NDF: 722228.4/46



Right In: 1322.165+/-2119.531 χ^2/NDF: 18.8/19

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

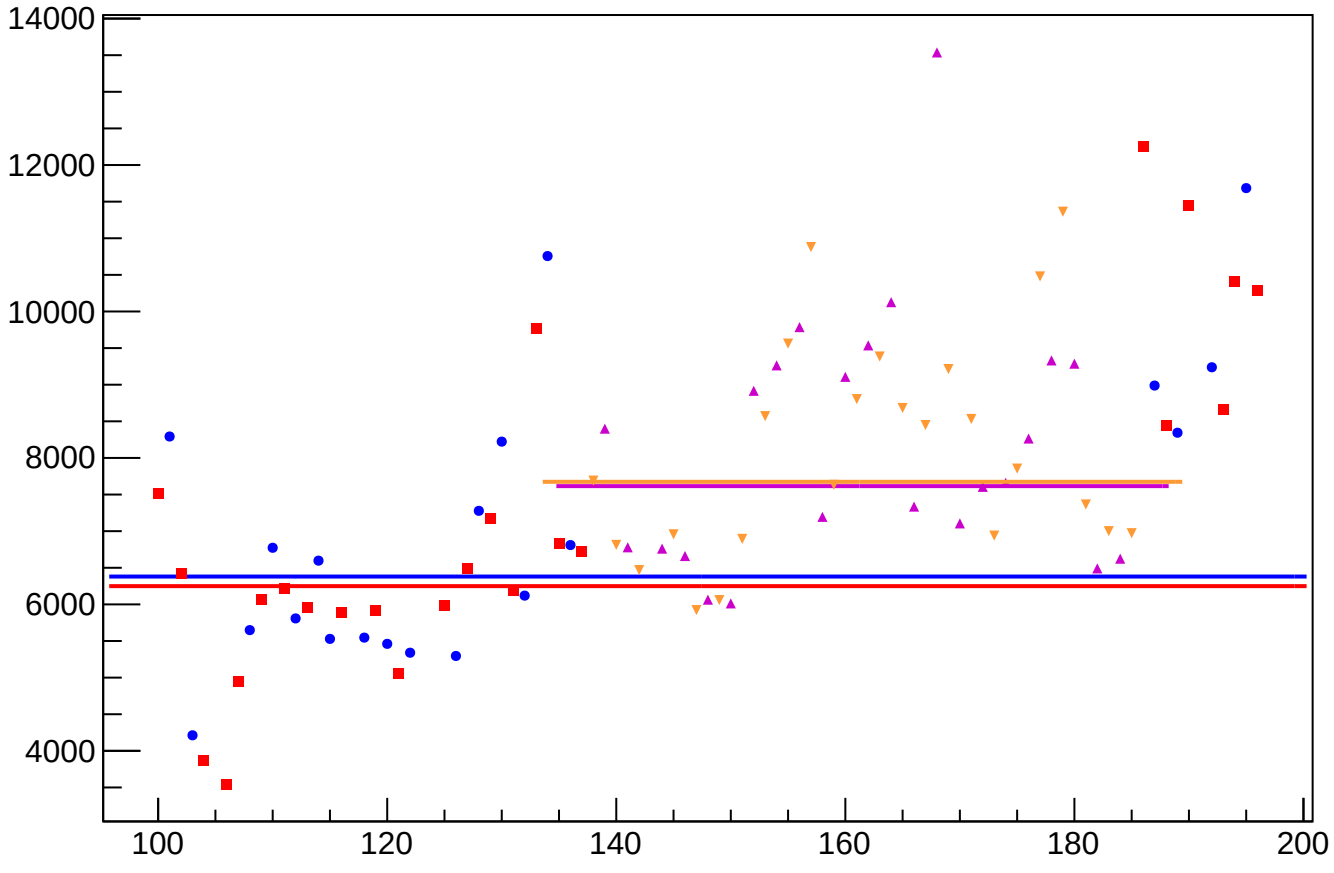
Right Out: -1638.022+/-1943.682 χ^2/NDF: 25.4/23

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 806.711+/-1380.744 χ^2/NDF: 48.3/43

All: -44.656+/-956.576 χ^2/NDF: 88.6/90

- sign -830.435+/-1326.493 χ^2/NDF: 39.6/46



Right In: 6380.205+/-1.499 χ^2/NDF: 1363617.2/19

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6249.290+/-1.374 χ^2/NDF: 2047867.4/23

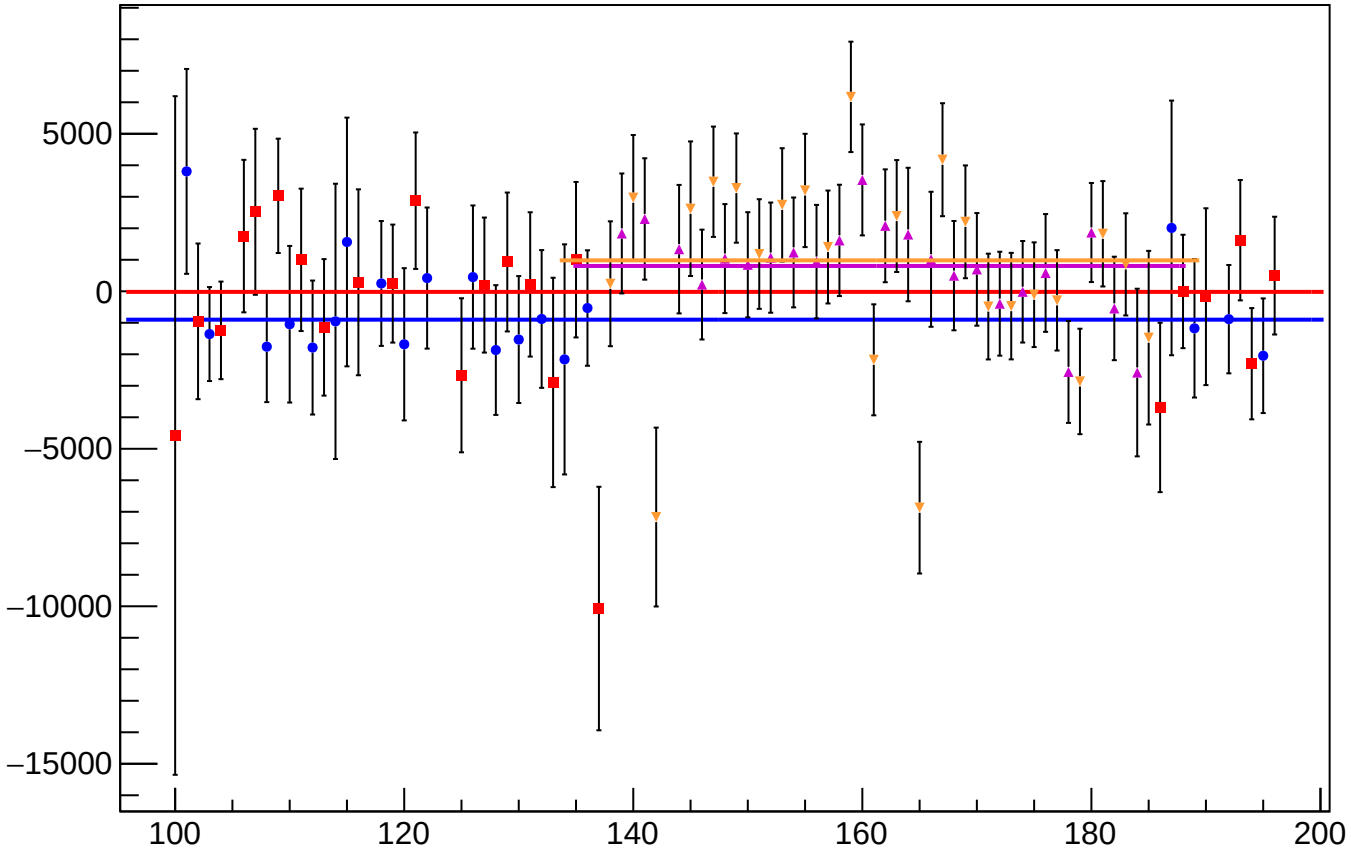
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7124.985+/-0.976 χ^2/NDF: 2869337.4/43

All: 7049.012+/-0.676 χ^2/NDF: 6680862.1/90

- sign 6978.892+/-0.938 χ^2/NDF: 3799880.9/46

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -901.015+/-490.482 χ^2/NDF: 5.5/19

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -18.983+/-457.067 χ^2/NDF: 20.9/23

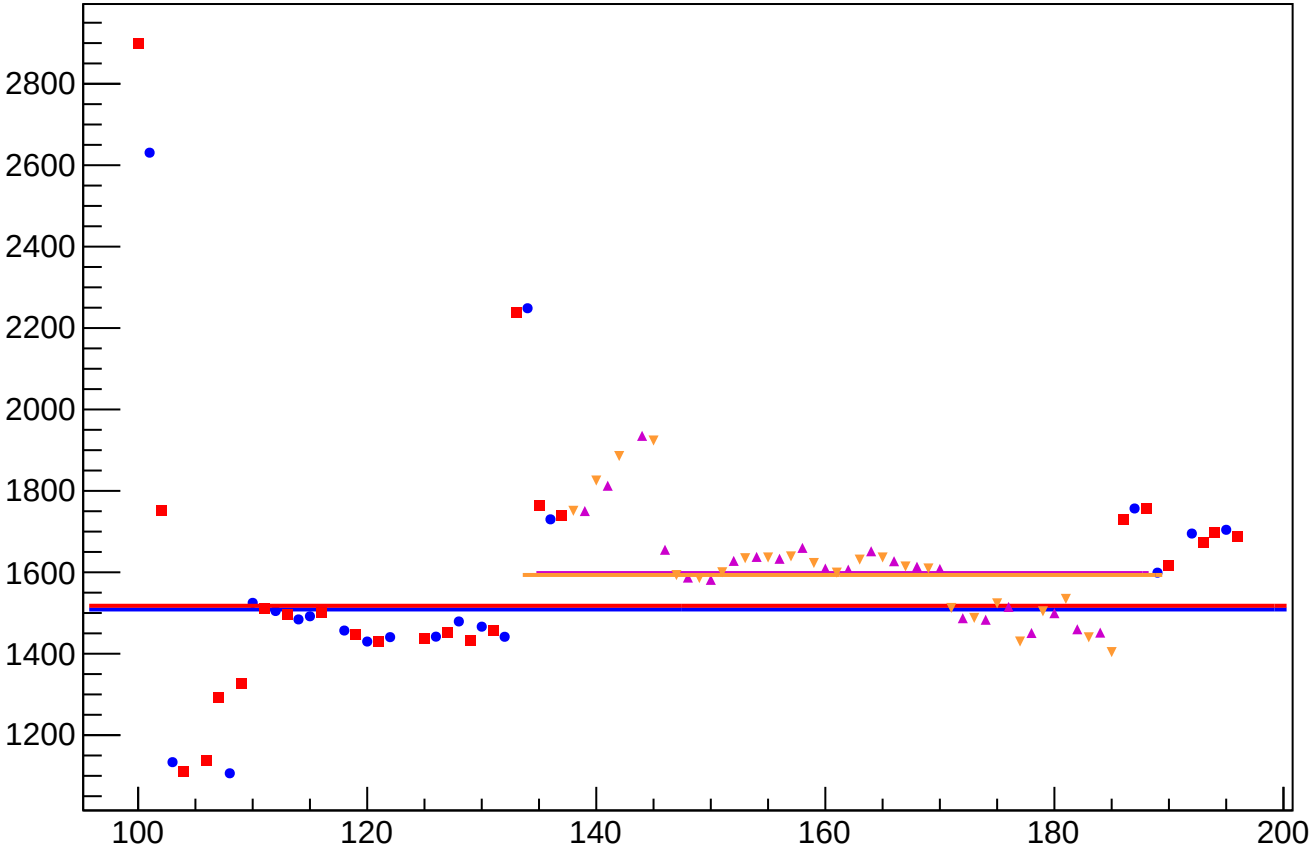
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 296.911+/-295.809 χ^2/NDF: 70.5/43

All: 387.245+/-206.894 χ^2/NDF: 106.0/90

\- sign 473.754+/-289.479 χ^2/NDF: 35.3/46

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1508.689+/-0.347 χ^2/NDF: 648291.1/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

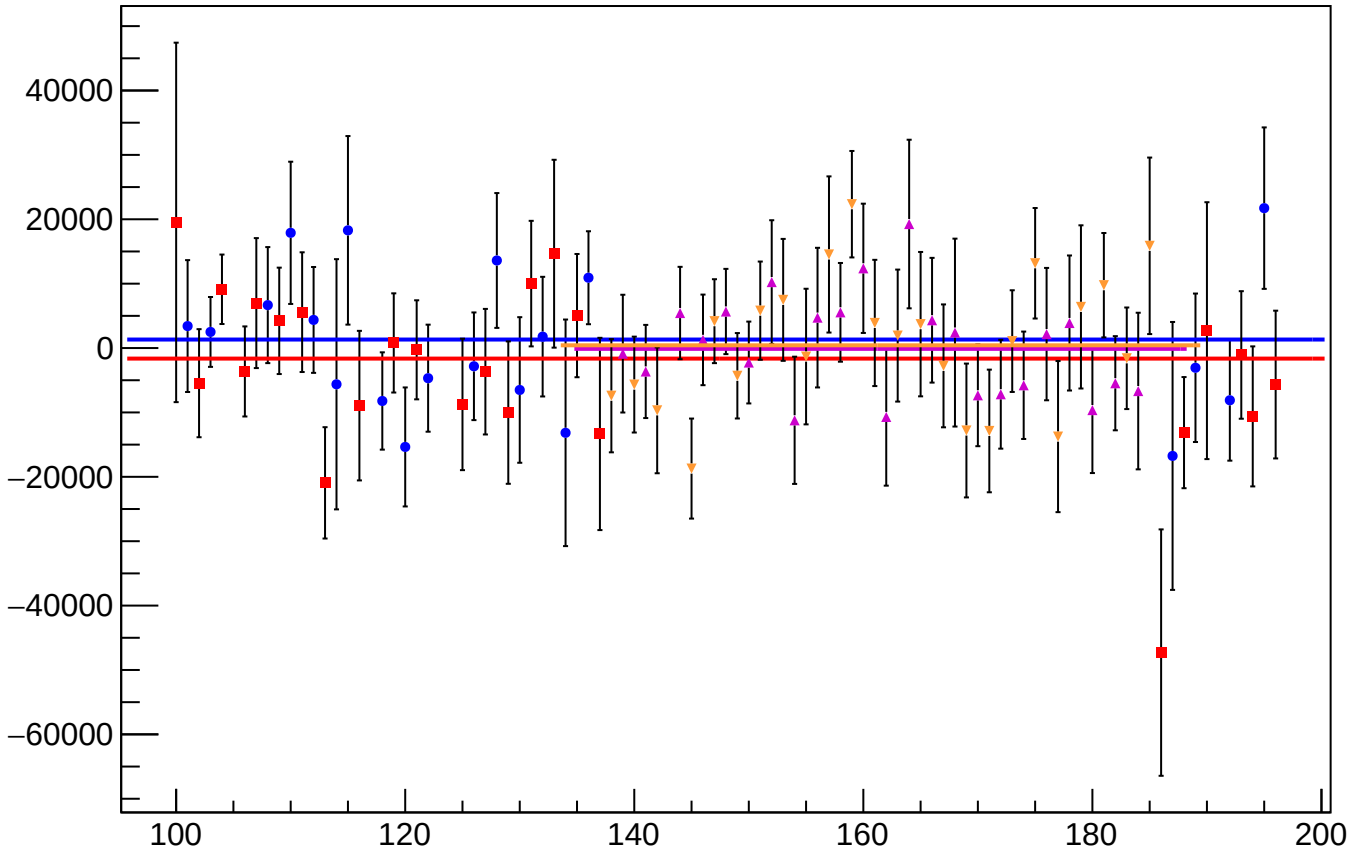
Right Out: 1517.813+/-0.323 χ^2/NDF: 516025.5/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.4/43

All: 1564.278+/-0.146 χ^2/NDF: 1596284.8/90

- sign 1565.845+/-0.205 χ^2/NDF: 722228.4/46



Right In: 1322.165+/-2119.531 χ^2/NDF: 18.8/19

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

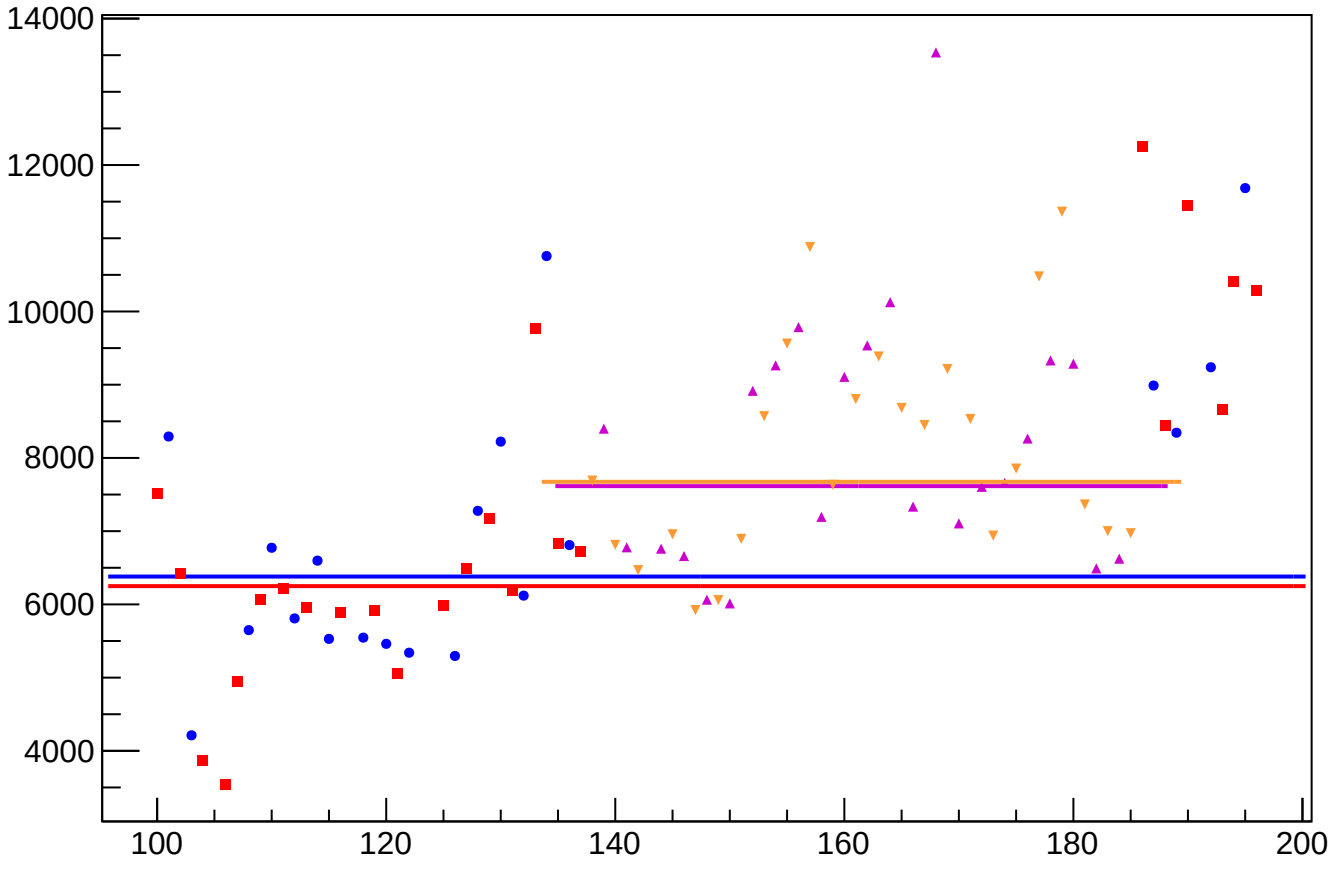
Right Out: -1638.022+/-1943.682 χ^2/NDF: 25.4/23

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 806.711+/-1380.744 χ^2/NDF: 48.3/43

All: -44.656+/-956.576 χ^2/NDF: 88.6/90

- sign -830.435+/-1326.493 χ^2/NDF: 39.6/46



Right In: 6380.205+/-1.499 χ^2/NDF: 1363617.2/19

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6249.290+/-1.374 χ^2/NDF: 2047867.4/23

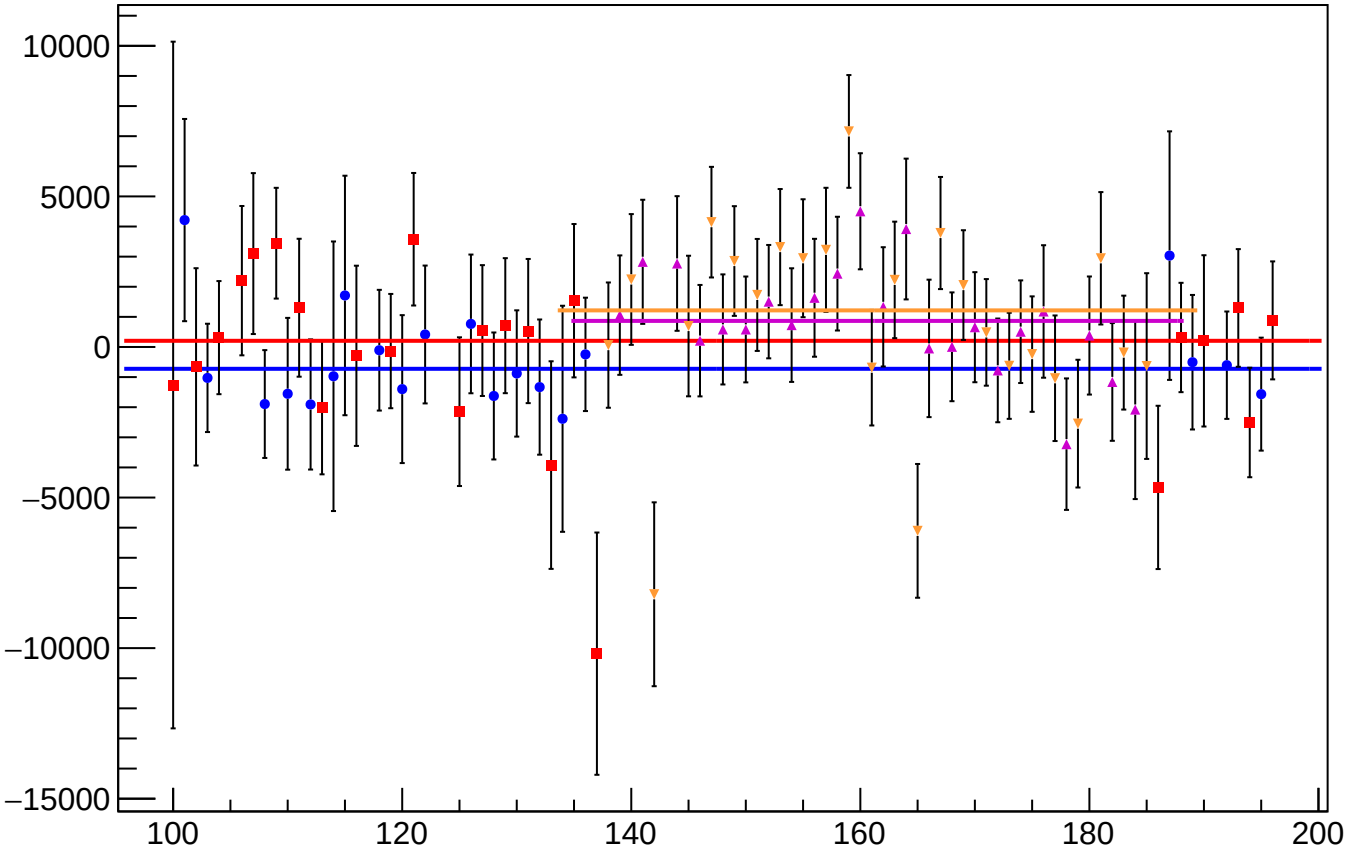
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7124.985+/-0.976 χ^2/NDF: 2869337.4/43

All: 7049.012+/-0.676 χ^2/NDF: 6680862.1/90

- sign 6978.892+/-0.938 χ^2/NDF: 3799880.9/46

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -724.784+/-509.622 χ^2/NDF: 5.8/19

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 204.985+/-476.109 χ^2/NDF: 23.9/23

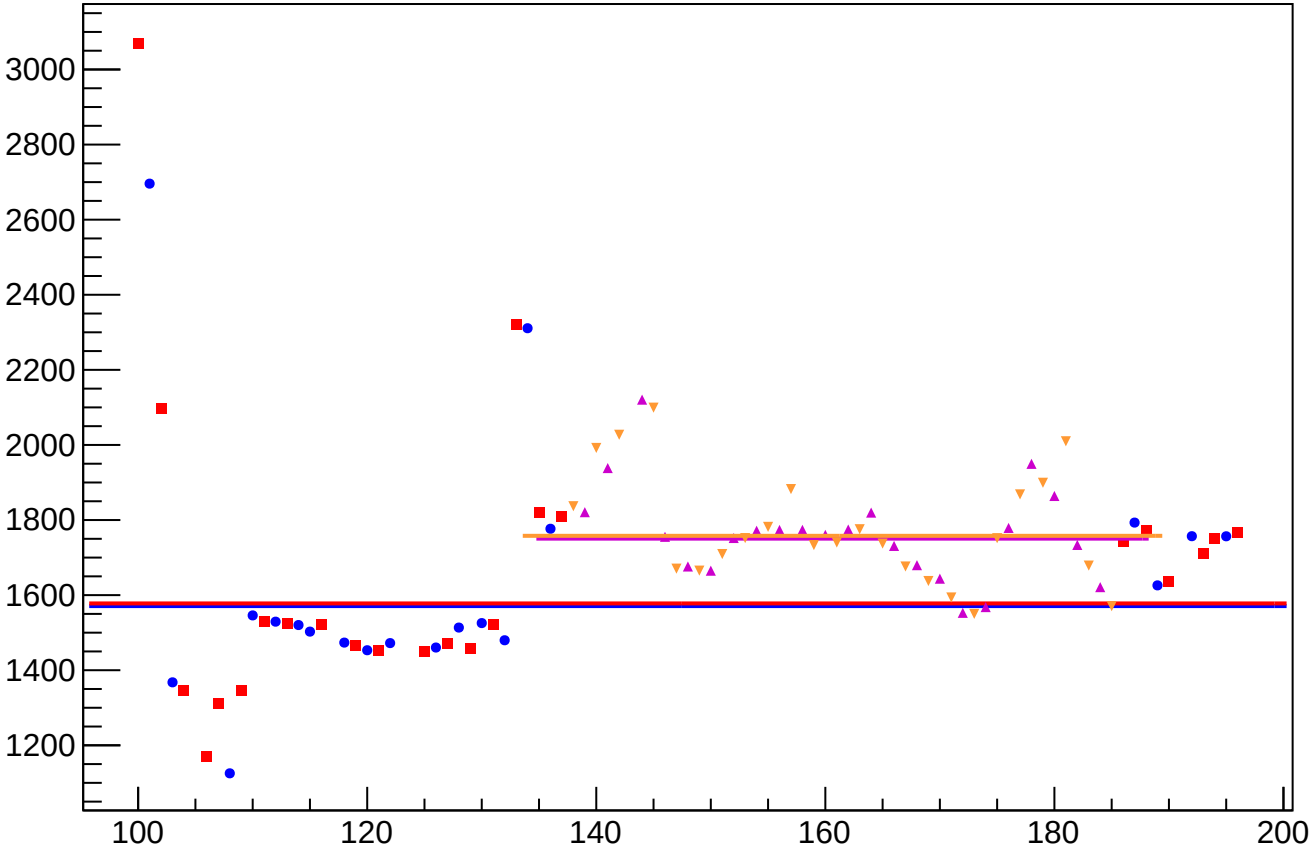
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 453.958+/-319.254 χ^2/NDF: 63.1/43

All: 521.011+/-222.659 χ^2/NDF: 103.3/90

\- sign 584.517+/-310.696 χ^2/NDF: 40.2/46

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1570.815+/-0.360 χ^2/NDF: 549068.9/19

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

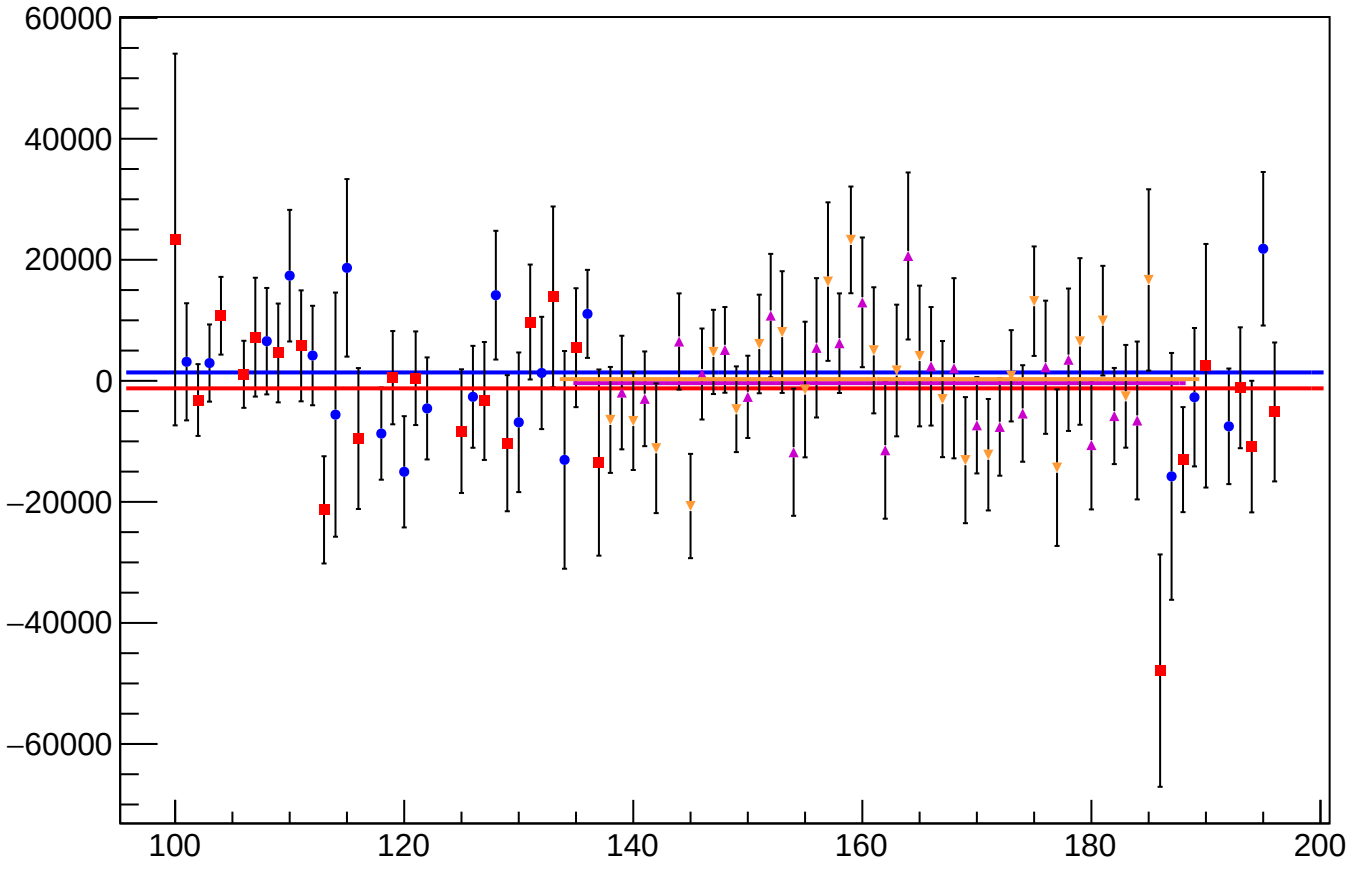
Right Out: 1577.883+/-0.337 χ^2/NDF: 449337.0/23

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1684.519+/-0.226 χ^2/NDF: 926223.8/43

All: 1680.637+/-0.157 χ^2/NDF: 1698961.1/90

- sign 1676.961+/-0.220 χ^2/NDF: 772161.5/46



Right In: 1387.562+/-2166.668 χ^2/NDF: 18.6/19

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

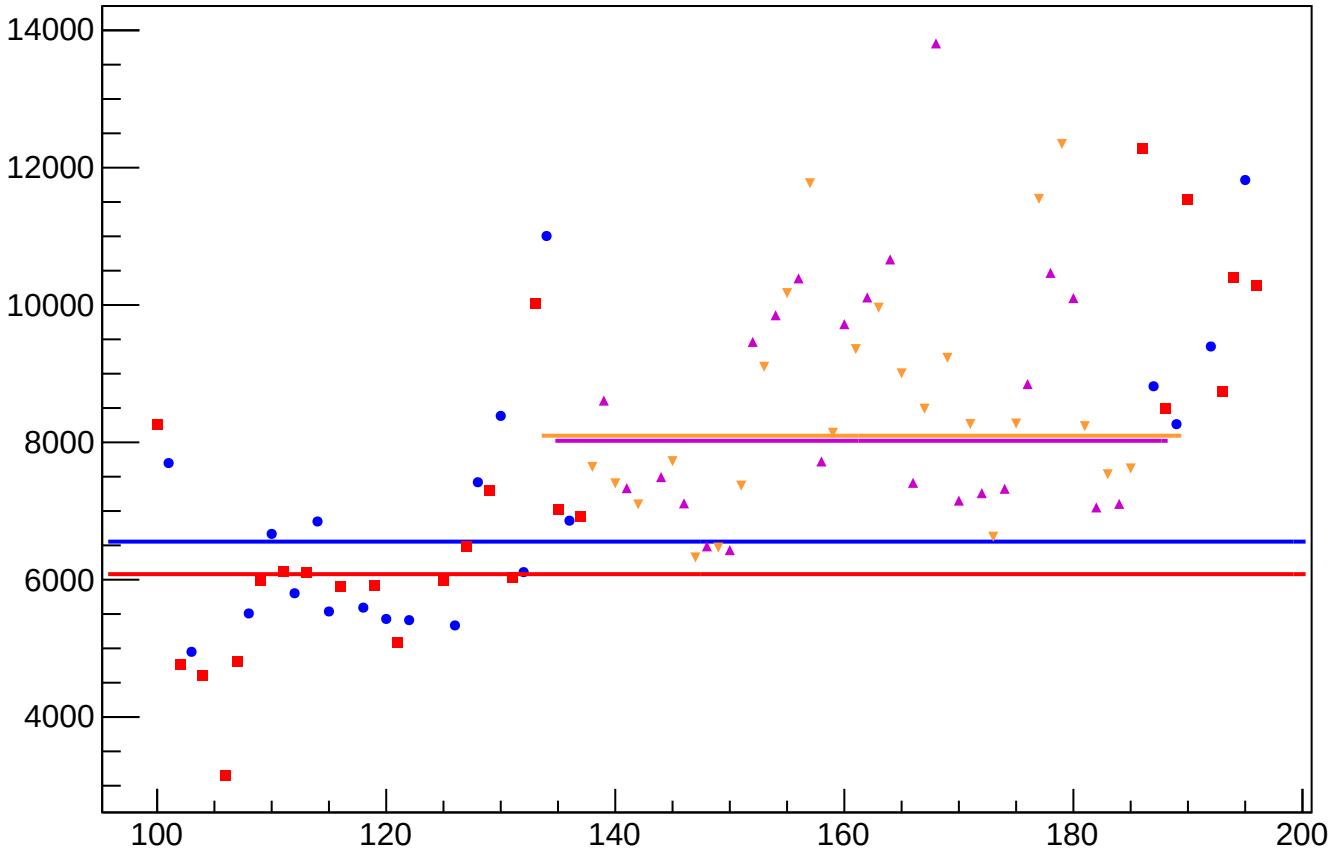
Right Out: -1243.461+/-1889.847 χ^2/NDF: 25.3/23

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 769.969+/-1437.033 χ^2/NDF: 47.4/43

All: -77.035+/-981.680 χ^2/NDF: 87.0/90

- sign -818.163+/-1344.221 χ^2/NDF: 39.0/46



Right In: 6554.534+/-1.532 χ^2/NDF: 1135721.8/19

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

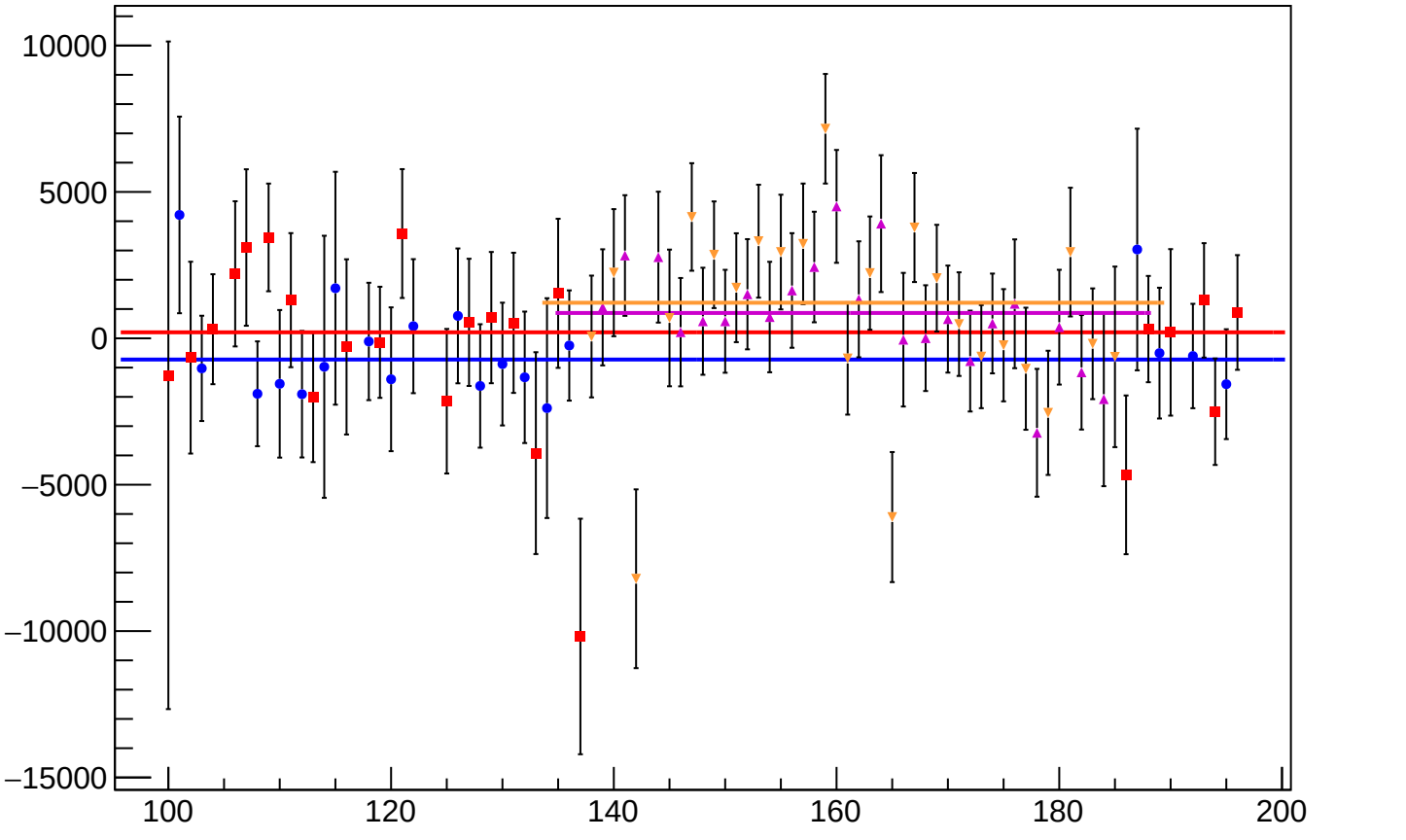
Right Out: 6080.803+/-1.336 χ^2/NDF: 2266953.9/23

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7418.378+/-1.016 χ^2/NDF: 2791116.8/43

All: 7216.712+/-0.694 χ^2/NDF: 7400825.8/90

- sign 7040.254+/-0.951 χ^2/NDF: 4535856.8/46



Right In: -724.785+/-509.622 χ^2/NDF: 5.8/19

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 204.993+/-476.109 χ^2/NDF: 23.9/23

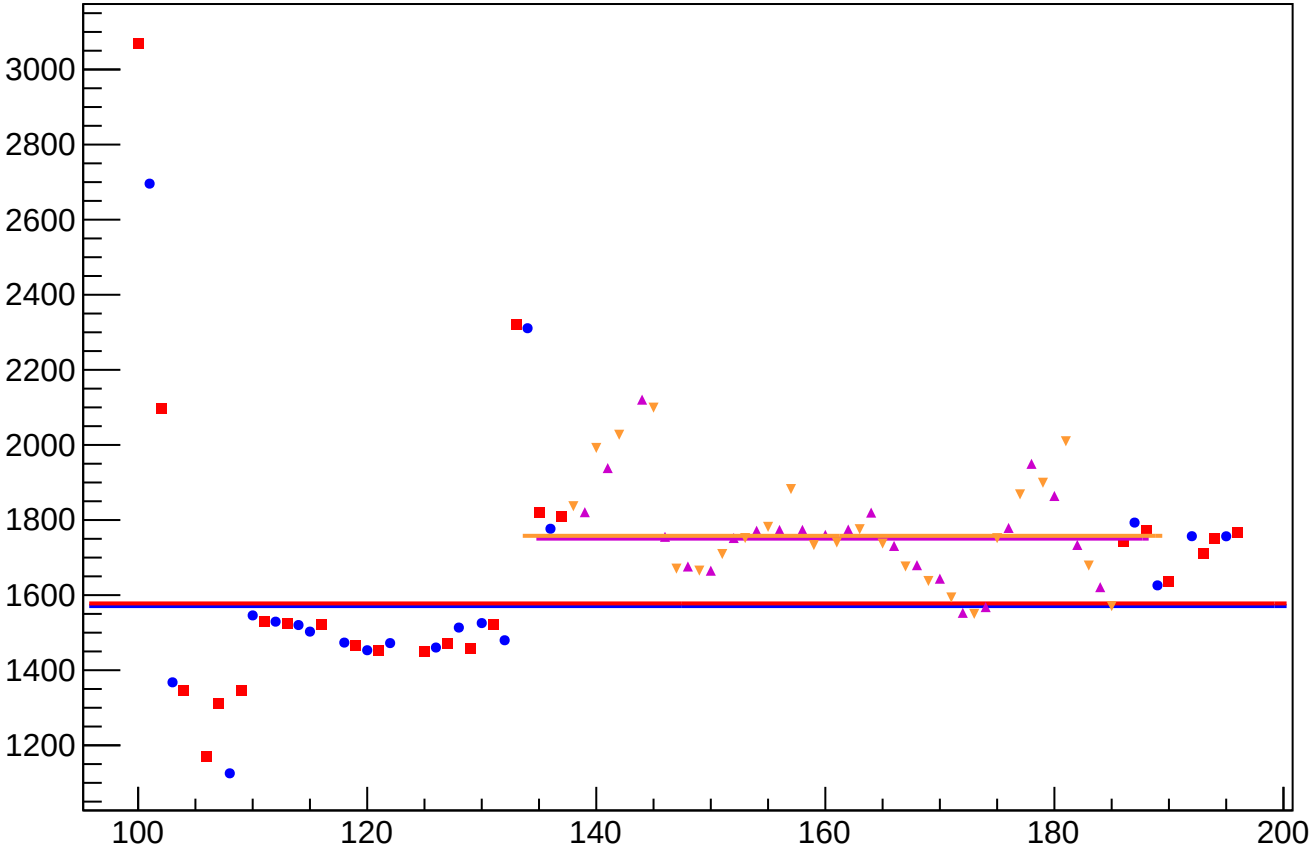
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 453.961+/-319.255 χ^2/NDF: 63.1/43

All: 521.013+/-222.660 χ^2/NDF: 103.3/90

- sign 584.519+/-310.697 χ^2/NDF: 40.2/46

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1570.815+/-0.360 χ^2/NDF: 549068.2/19

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

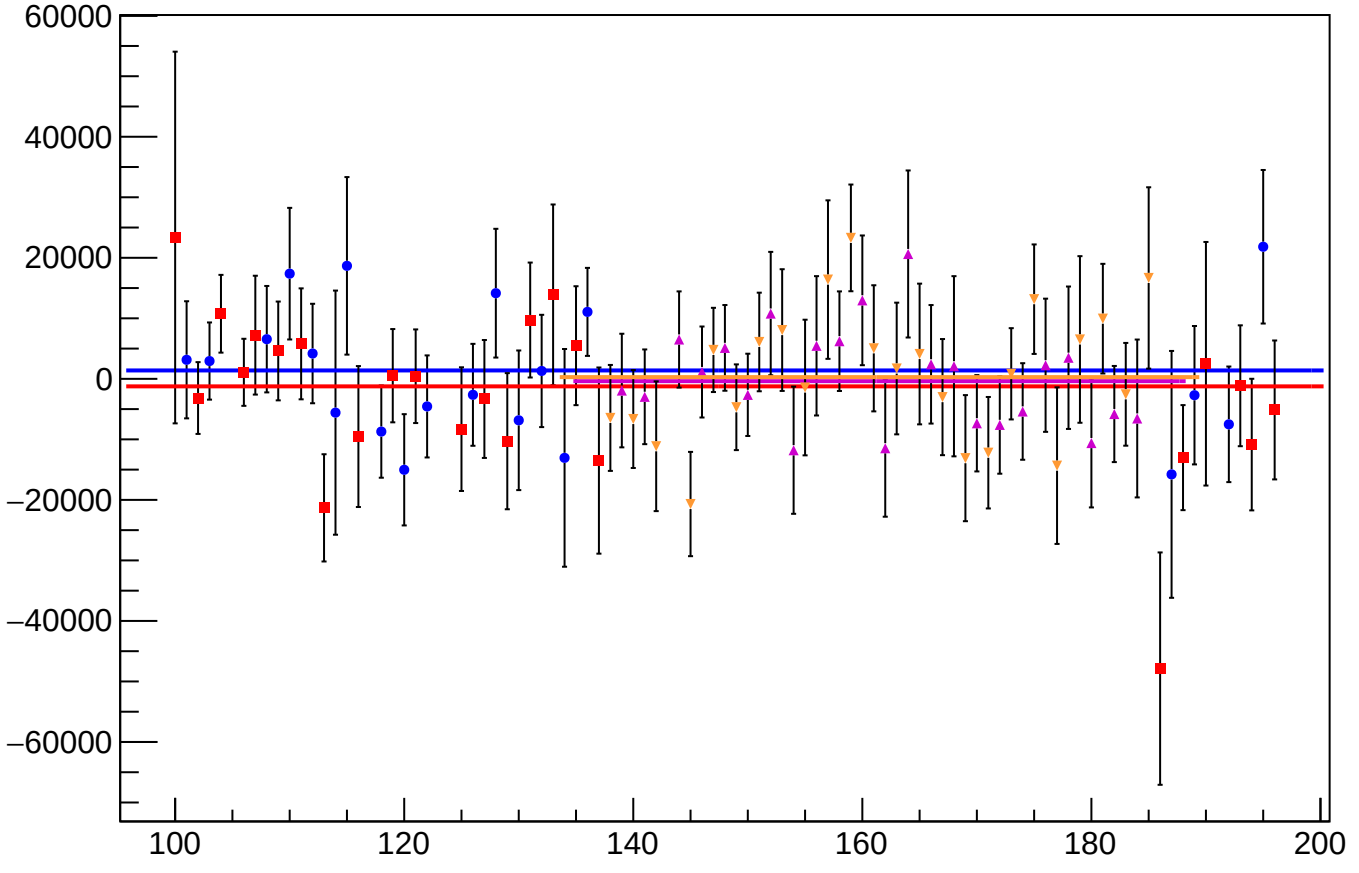
Right Out: 1577.883+/-0.337 χ^2/NDF: 449336.9/23

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1684.520+/-0.226 χ^2/NDF: 926236.3/43

All: 1680.638+/-0.157 χ^2/NDF: 1698986.2/90

- sign 1676.962+/-0.220 χ^2/NDF: 772174.1/46



Right In: 1387.544+/-2166.665 χ^2/NDF: 18.6/19

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

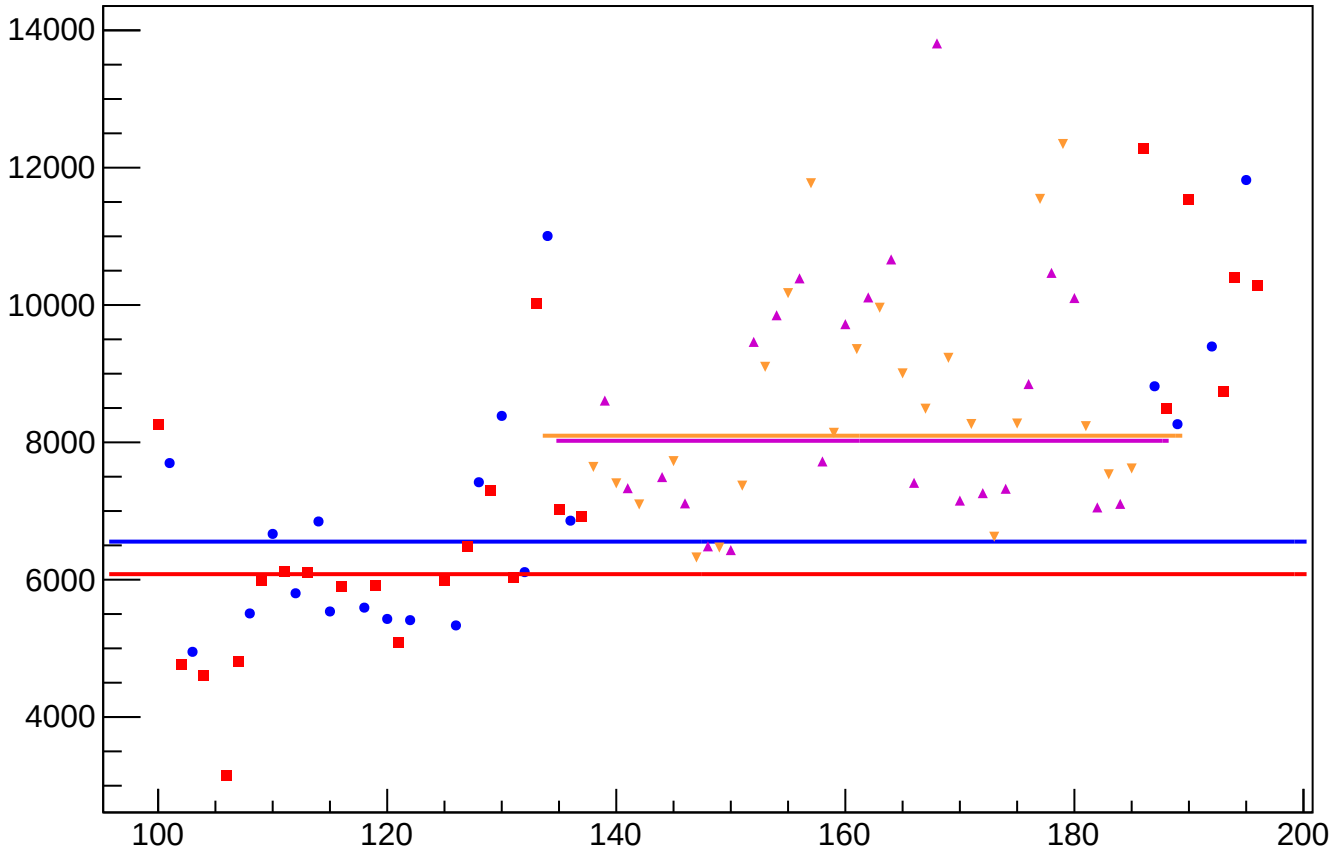
Right Out: -1243.451+/-1889.844 χ^2/NDF: 25.3/23

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

\+ sign 769.963+/-1437.033 χ^2/NDF: 47.4/43

All: -77.036+/-981.680 χ^2/NDF: 87.0/90

\- sign -818.161+/-1344.221 χ^2/NDF: 39.0/46



Right In: 6554.521+/-1.532 χ^2/NDF: 1135733.6/19

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

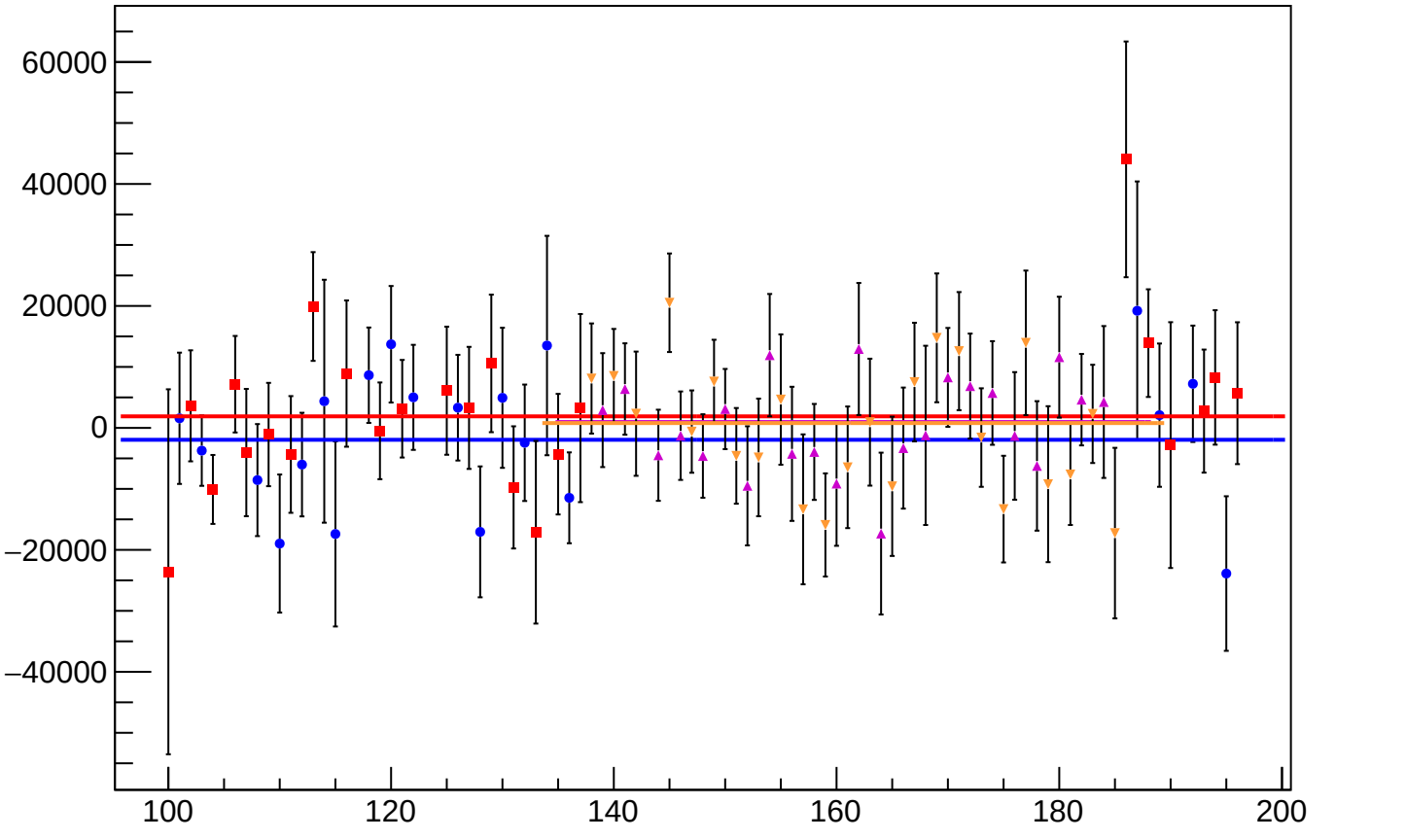
Right Out: 6080.792+/-1.336 χ^2/NDF: 2266964.4/23

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7418.377+/-1.016 χ^2/NDF: 2791149.9/43

All: 7216.710+/-0.694 χ^2/NDF: 7400898.8/90

- sign 7040.251+/-0.951 χ^2/NDF: 4535896.0/46



Right In: -1950.462+/-2192.049 χ^2/NDF: 19.6/19

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 1893.833+/-2021.507 χ^2/NDF: 22.4/23

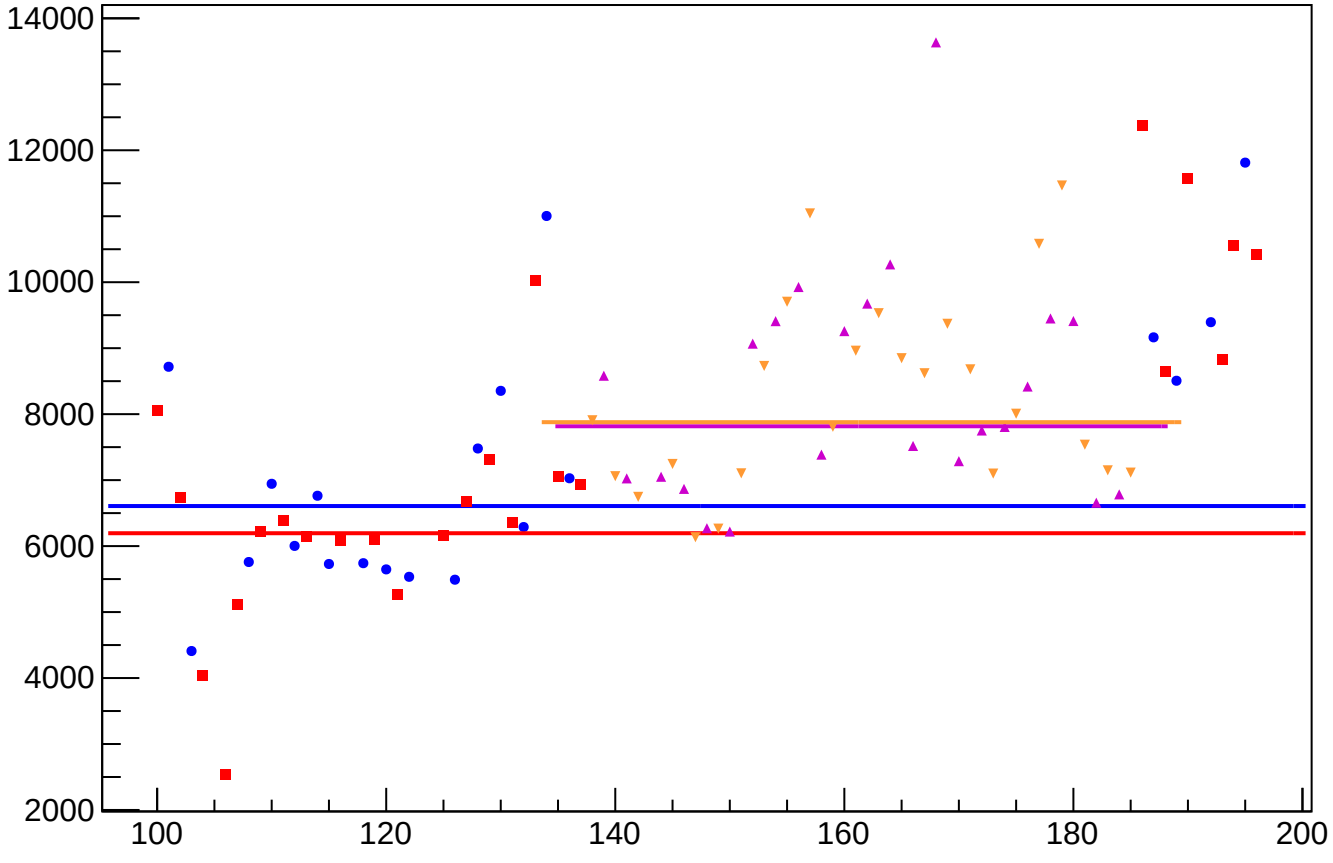
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -360.087+/-1420.504 χ^2/NDF: 47.7/43

All: 547.564+/-985.633 χ^2/NDF: 83.8/90

- sign 1390.258+/-1368.730 χ^2/NDF: 35.3/46

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6607.162+/-1.550 χ^2/NDF: 1288335.1/19

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

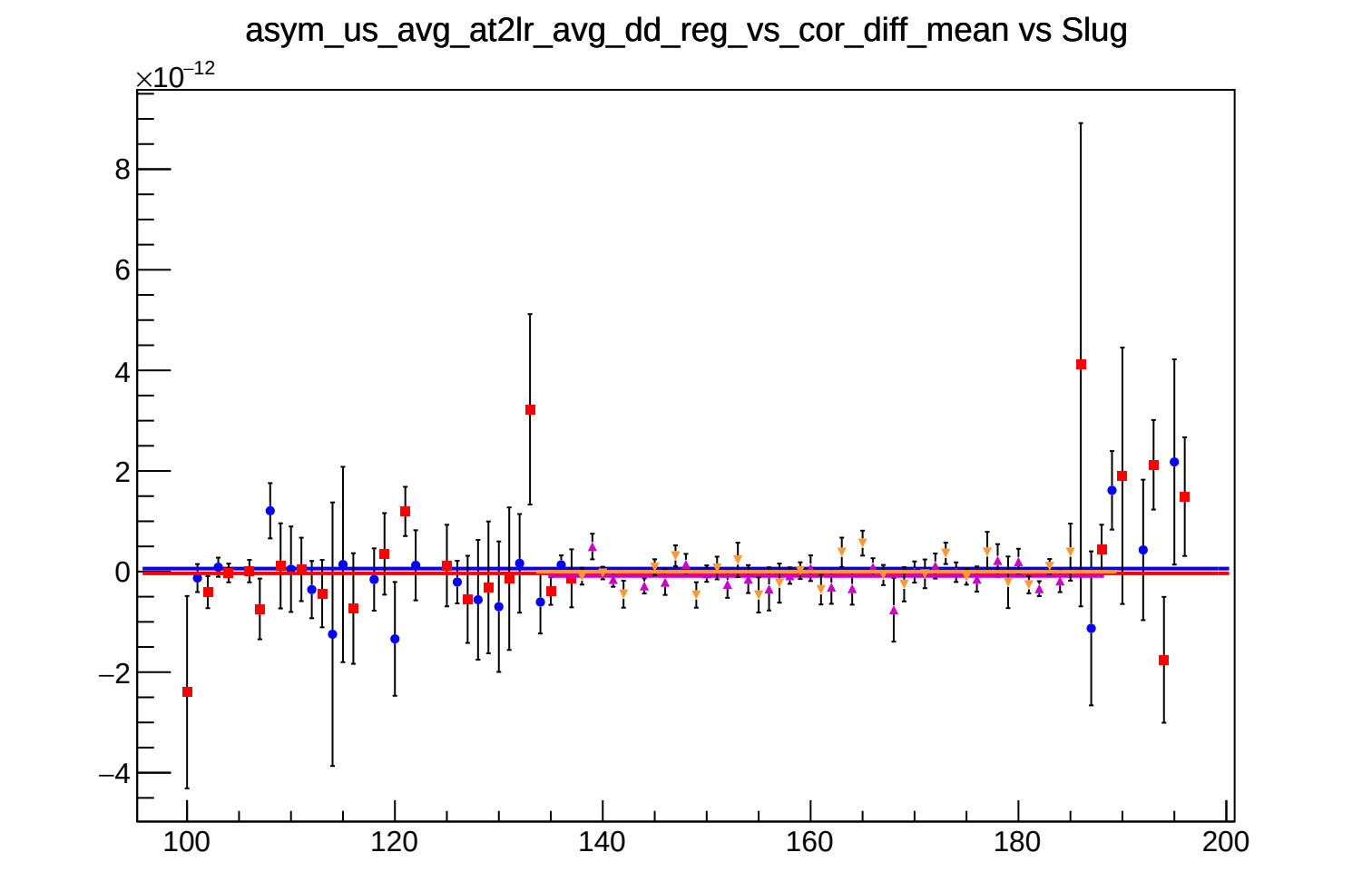
Right Out: 6195.125+/-1.387 χ^2/NDF: 2581498.4/23

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7344.605+/-1.004 χ^2/NDF: 2668620.4/43

All: 7189.098+/-0.692 χ^2/NDF: 7147715.0/90

- sign 7048.736+/-0.954 χ^2/NDF: 4433491.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

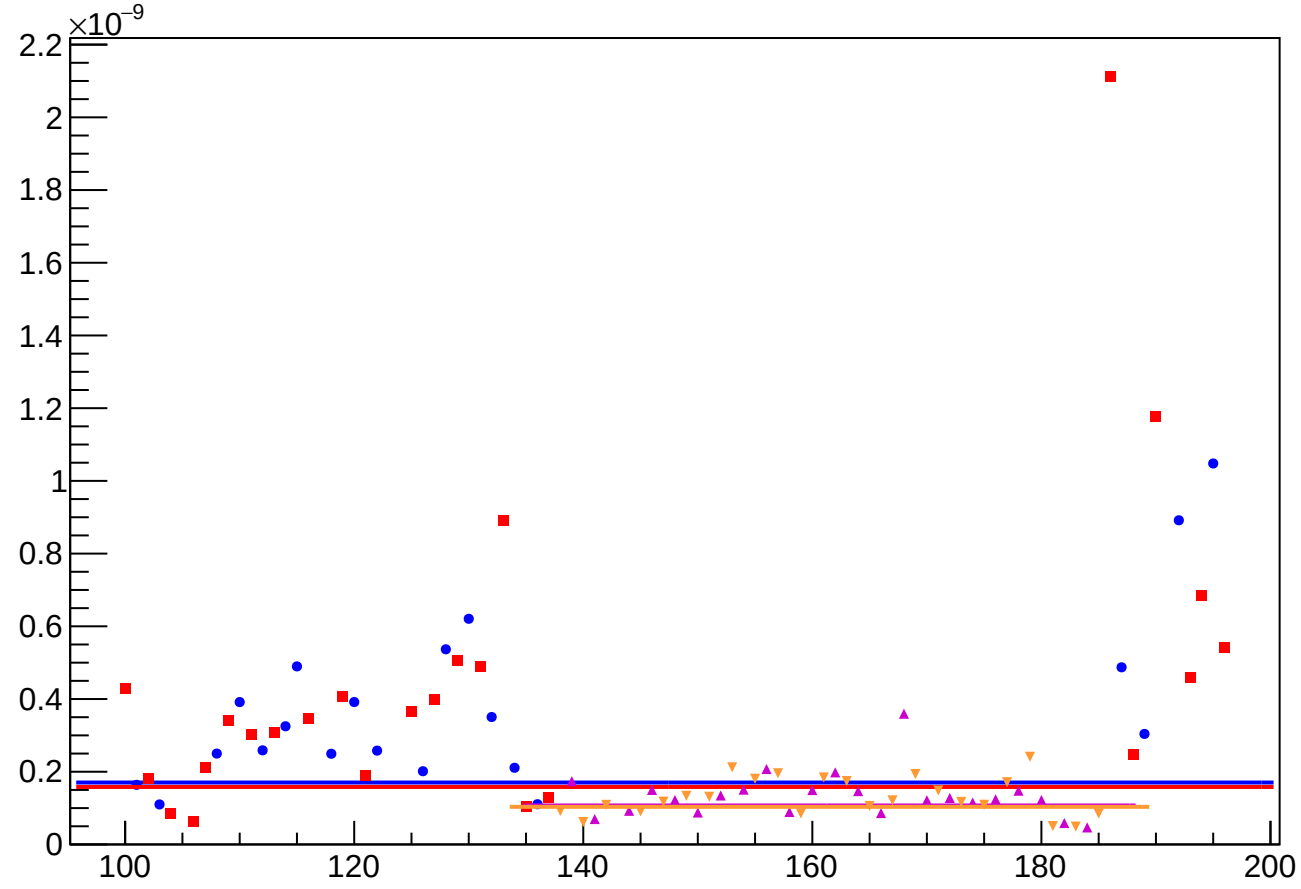
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/23

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/43

All: -0.000+/-0.000 χ^2/NDF: 94.4/90

- sign -0.000+/-0.000 χ^2/NDF: 48.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2396106.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3729250.5/23

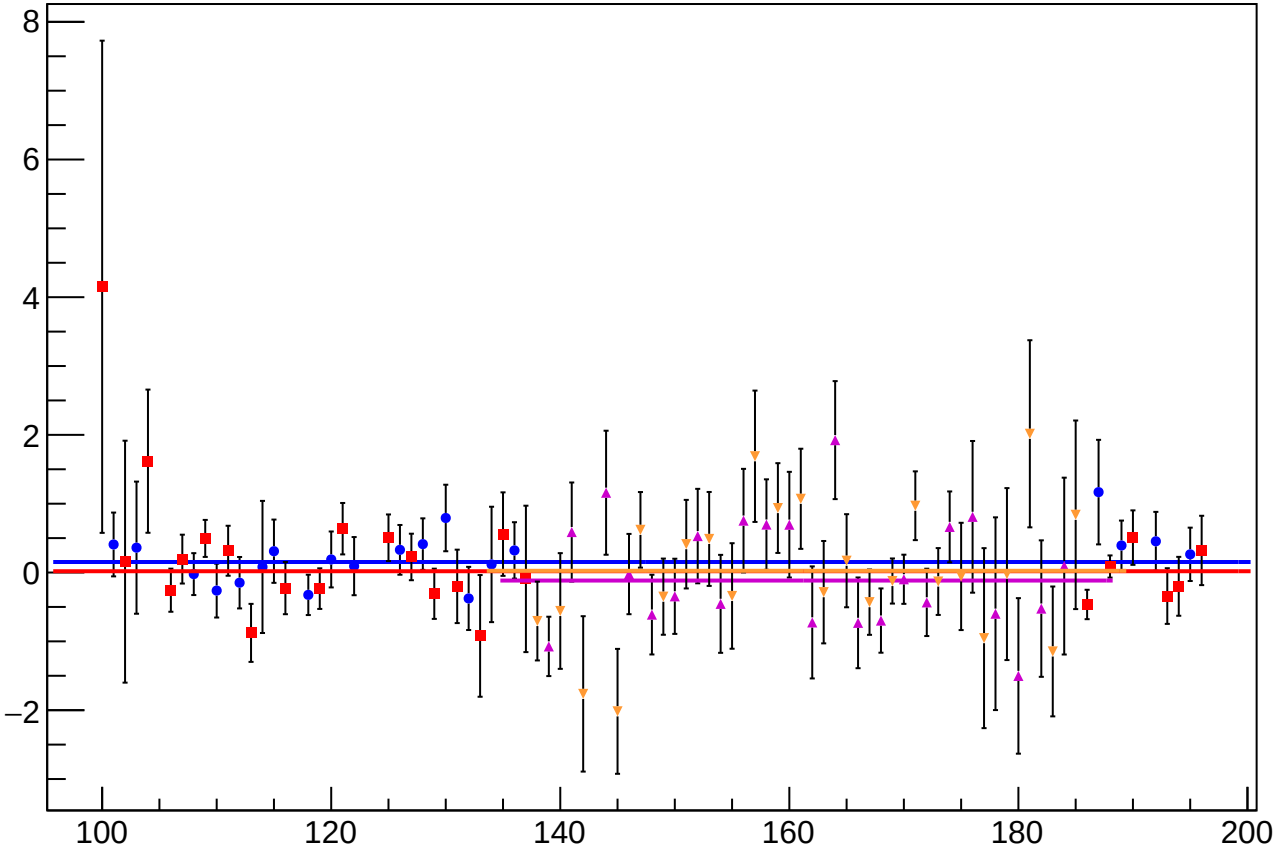
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5023196.3/43

All: 0.000+/-0.000 χ^2/NDF: 10788946.1/90

- sign 0.000+/-0.000 χ^2/NDF: 5763496.8/46

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

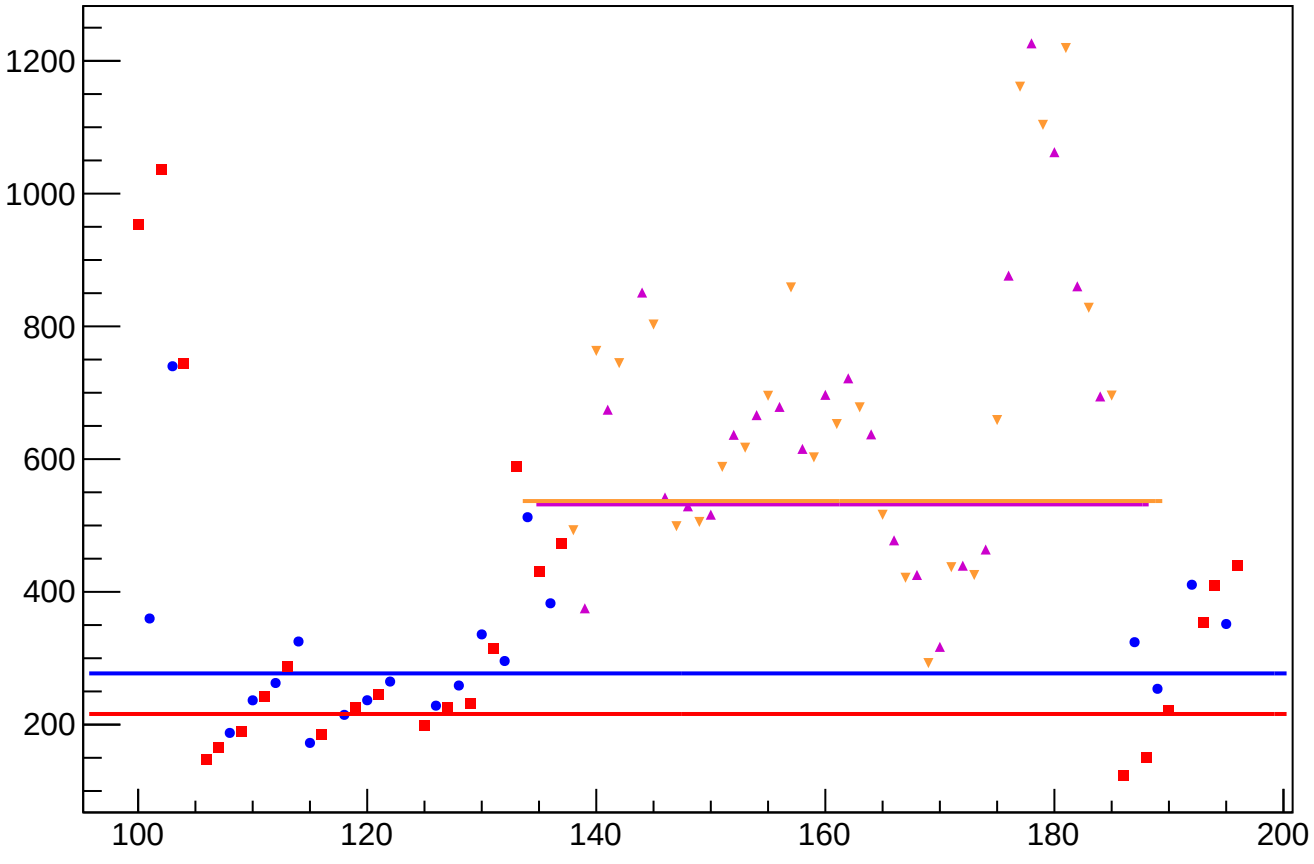
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.037+/-0.049 χ^2/NDF: 102.4/90

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46



Right In: 277.157+/-0.067 χ^2/NDF: 1597288.5/19

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 216.023+/-0.052 χ^2/NDF: 3836363.3/23

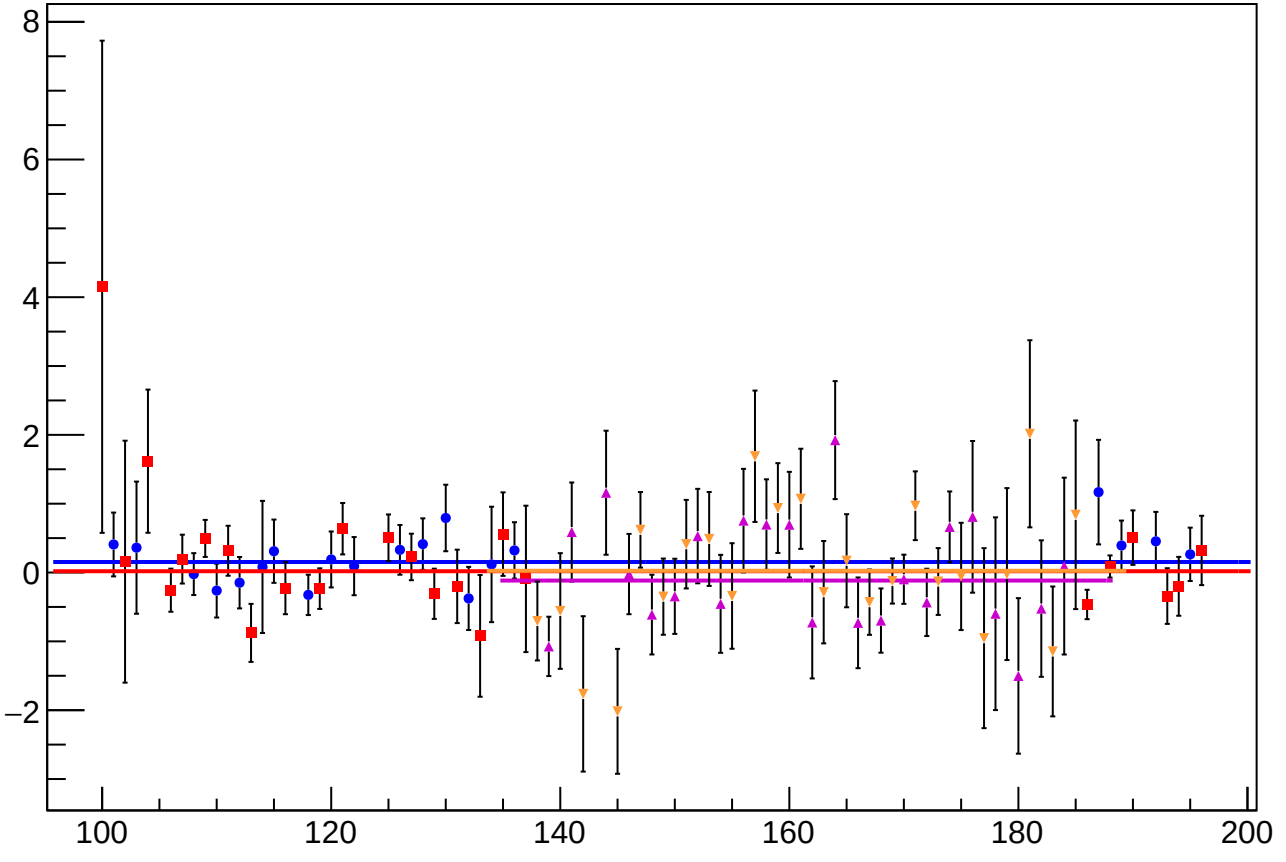
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.385+/-0.055 χ^2/NDF: 10578902.4/43

All: 319.552+/-0.035 χ^2/NDF: 27601665.3/90

- 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



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

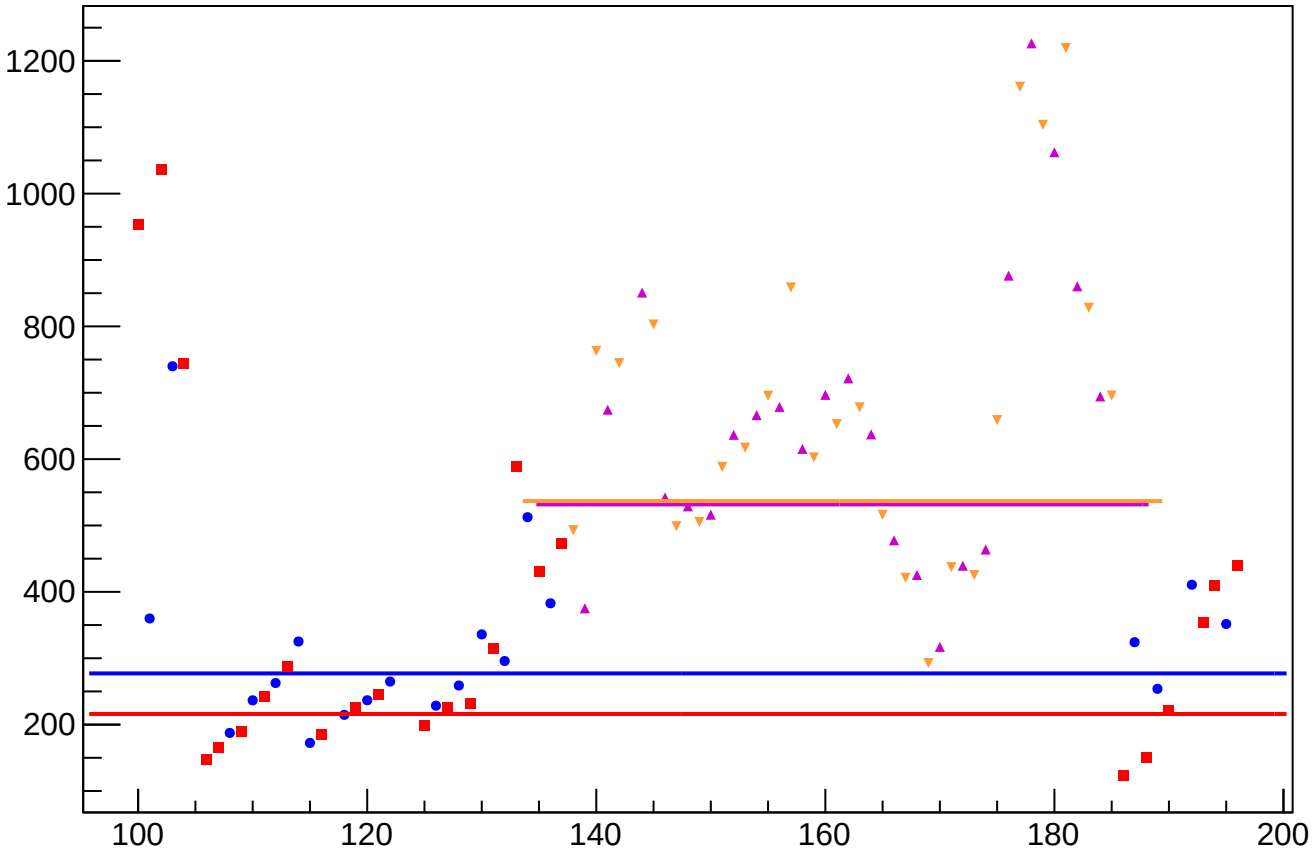
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.037+/-0.049 χ^2/NDF: 102.4/90

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46



Right In: 277.157+/-0.067 χ^2/NDF: 1597288.5/19

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

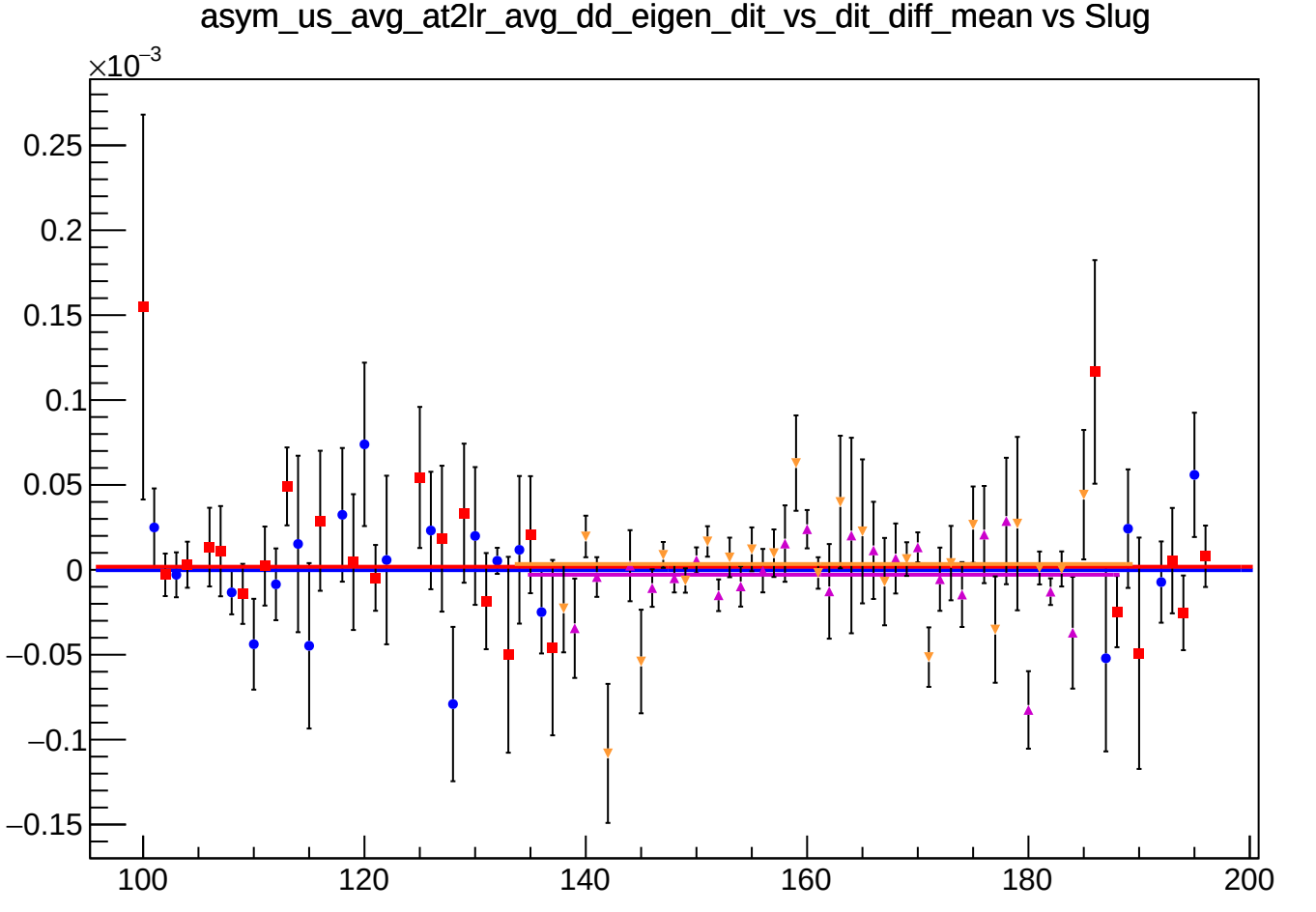
Right Out: 216.023+/-0.052 χ^2/NDF: 3836363.3/23

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.385+/-0.055 χ^2/NDF: 10578902.4/43

All: 319.552+/-0.035 χ^2/NDF: 27601665.3/90

- sign 289.516+/-0.045 χ^2/NDF: 15936237.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

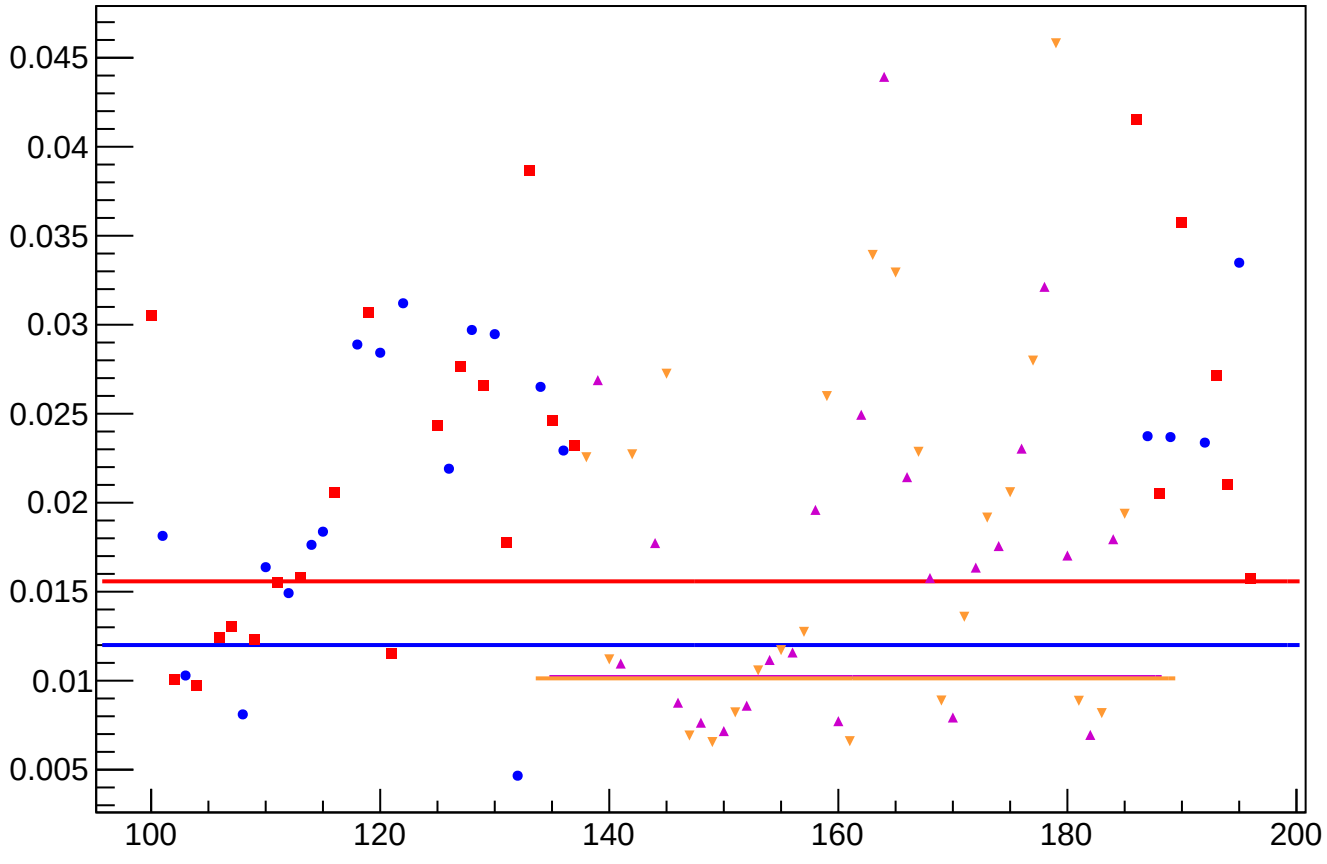
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/23

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/43

All: 0.000+/-0.000 χ^2/NDF: 111.8/90

- sign -0.000+/-0.000 χ^2/NDF: 52.5/46



Right In: 0.012+/-0.000 χ^2/NDF: 6156072.7/19

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3218818.1/23

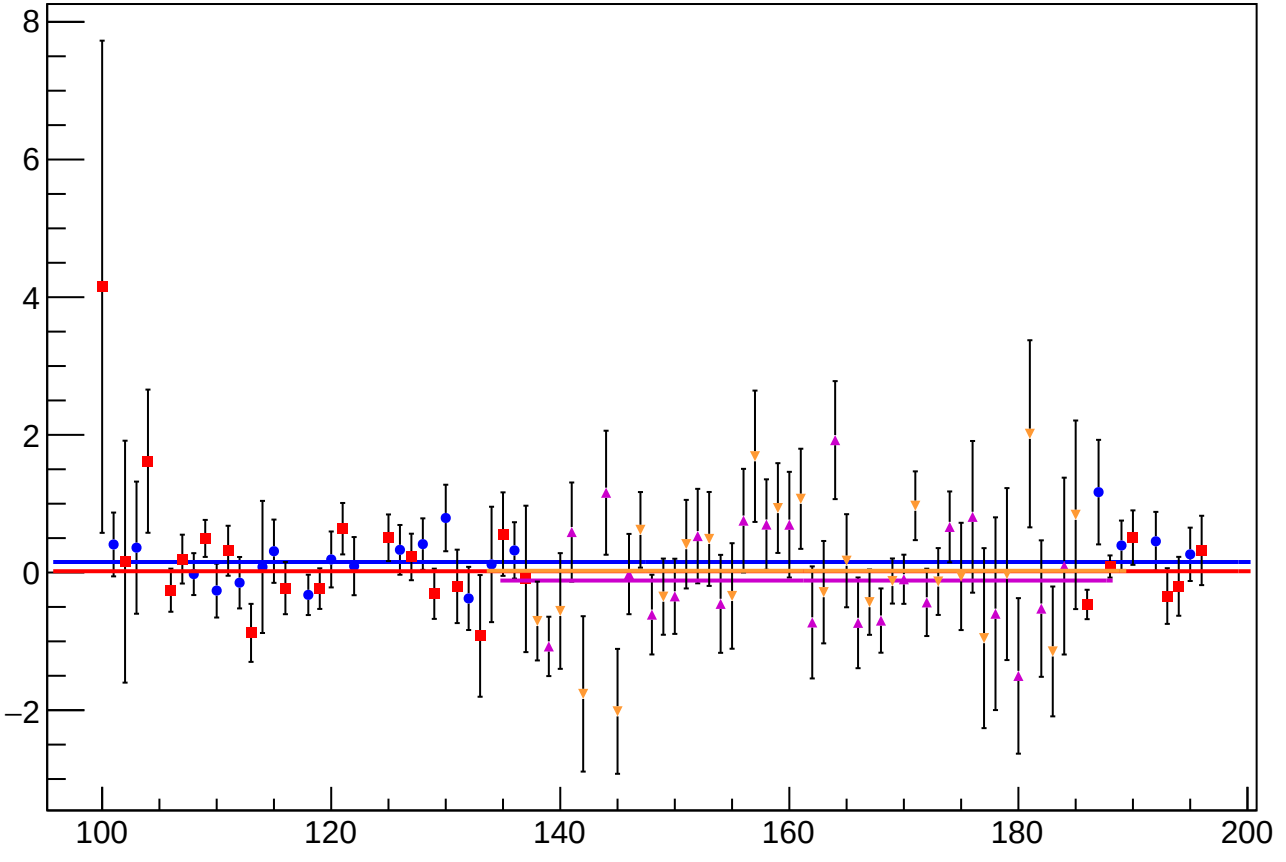
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14200906.3/43

All: 0.011+/-0.000 χ^2/NDF: 25367082.9/90

- 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



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

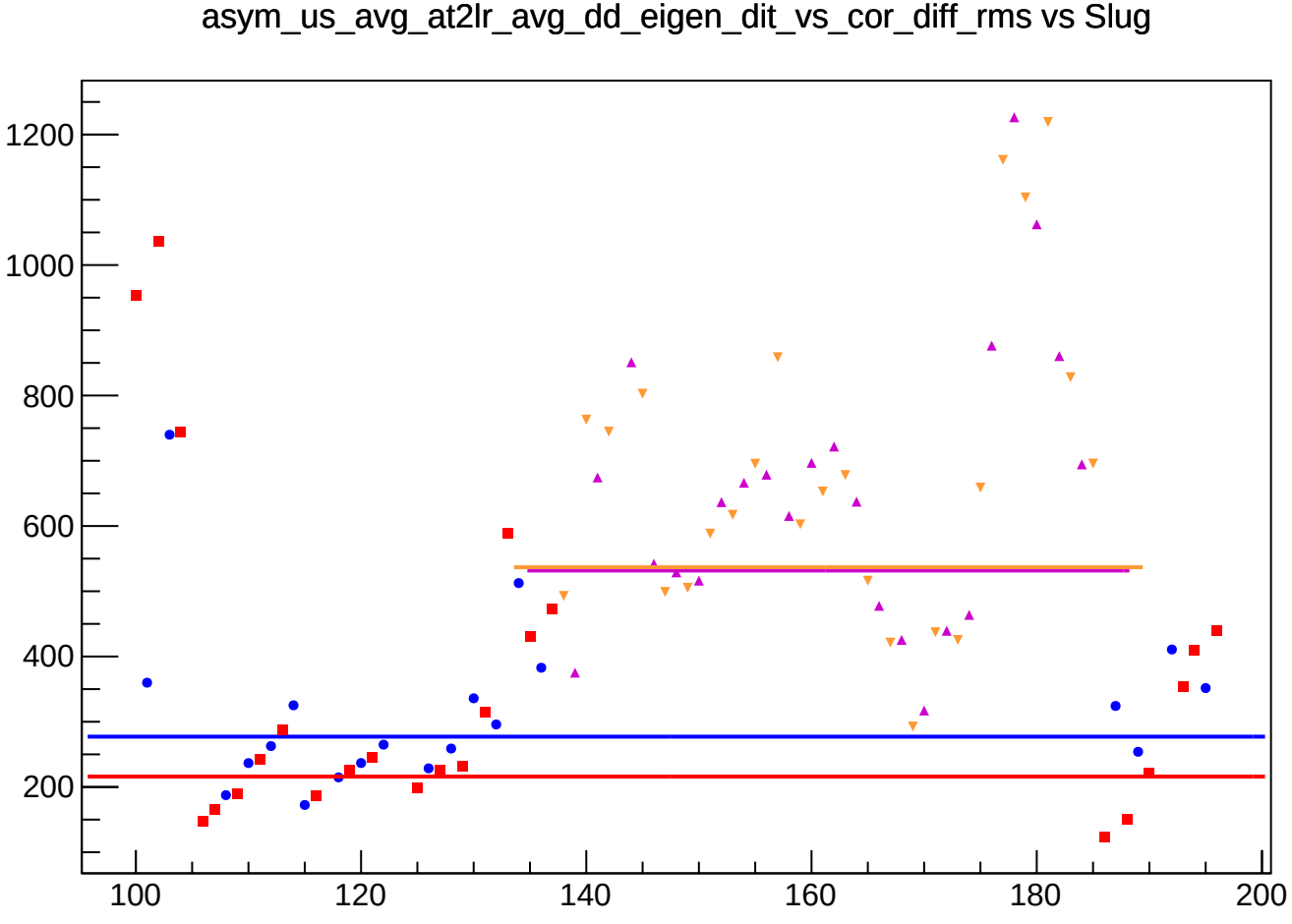
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.037+/-0.049 χ^2/NDF: 102.4/90

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
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100
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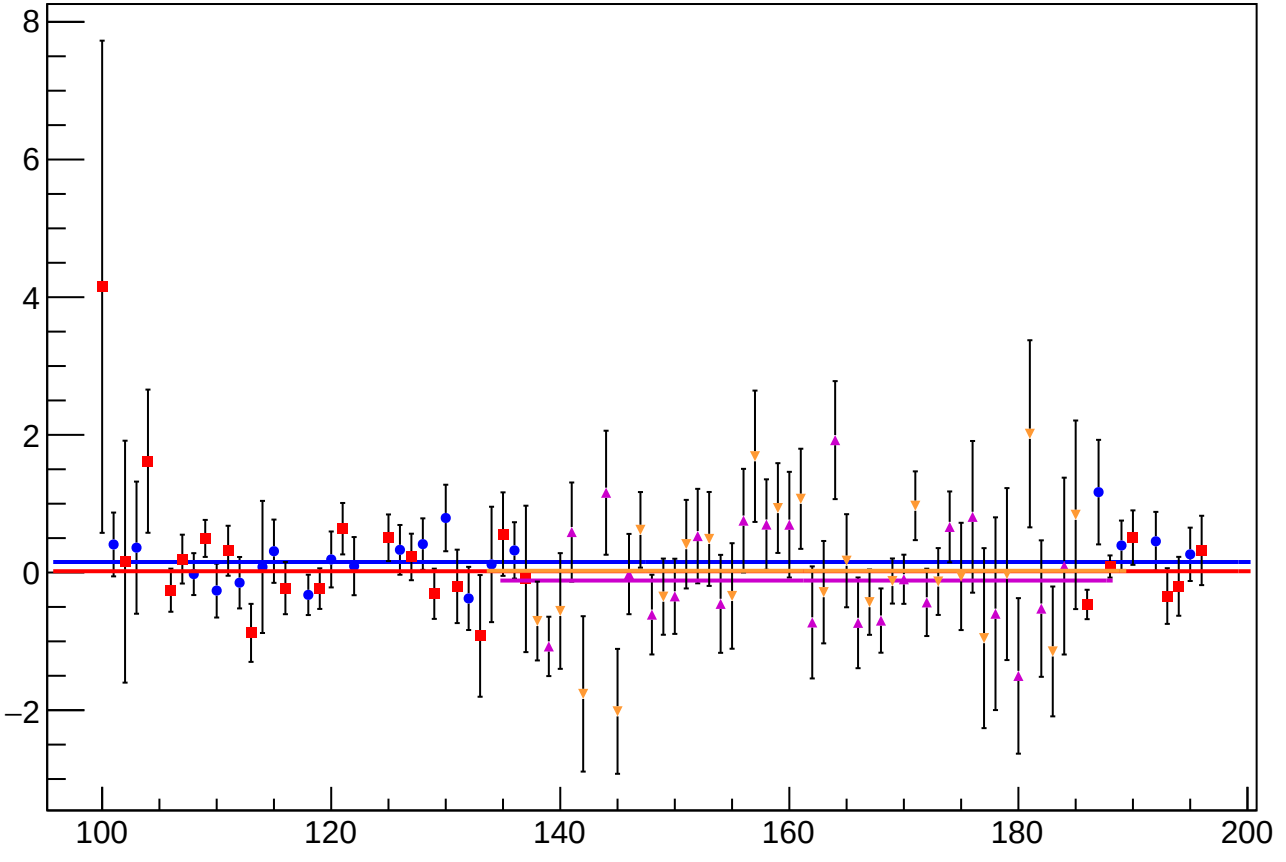
160
180
200
Right In: 277.155+/-0.067 χ²/NDF: 1597258.4/19
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 216.020+/-0.052 χ²/NDF: 3836452.0/23
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.383+/-0.055 χ²/NDF: 10579146.3/43
All: 319.549+/-0.035 χ²/NDF: 27602366.5/90
- sign 289.513+/-0.045 χ²/NDF: 15936664.7/46

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

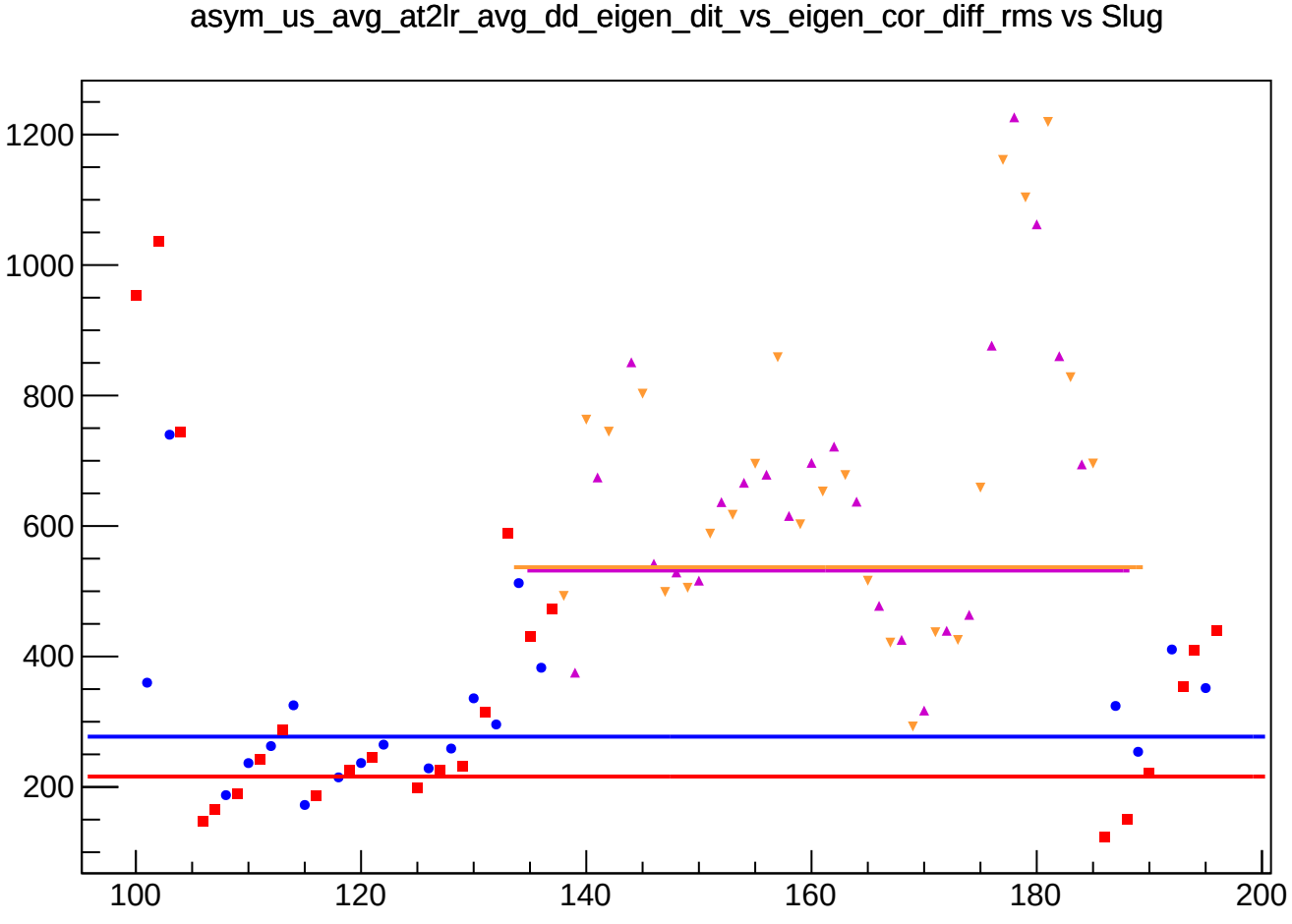
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.037+/-0.049 χ^2/NDF: 102.4/90

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
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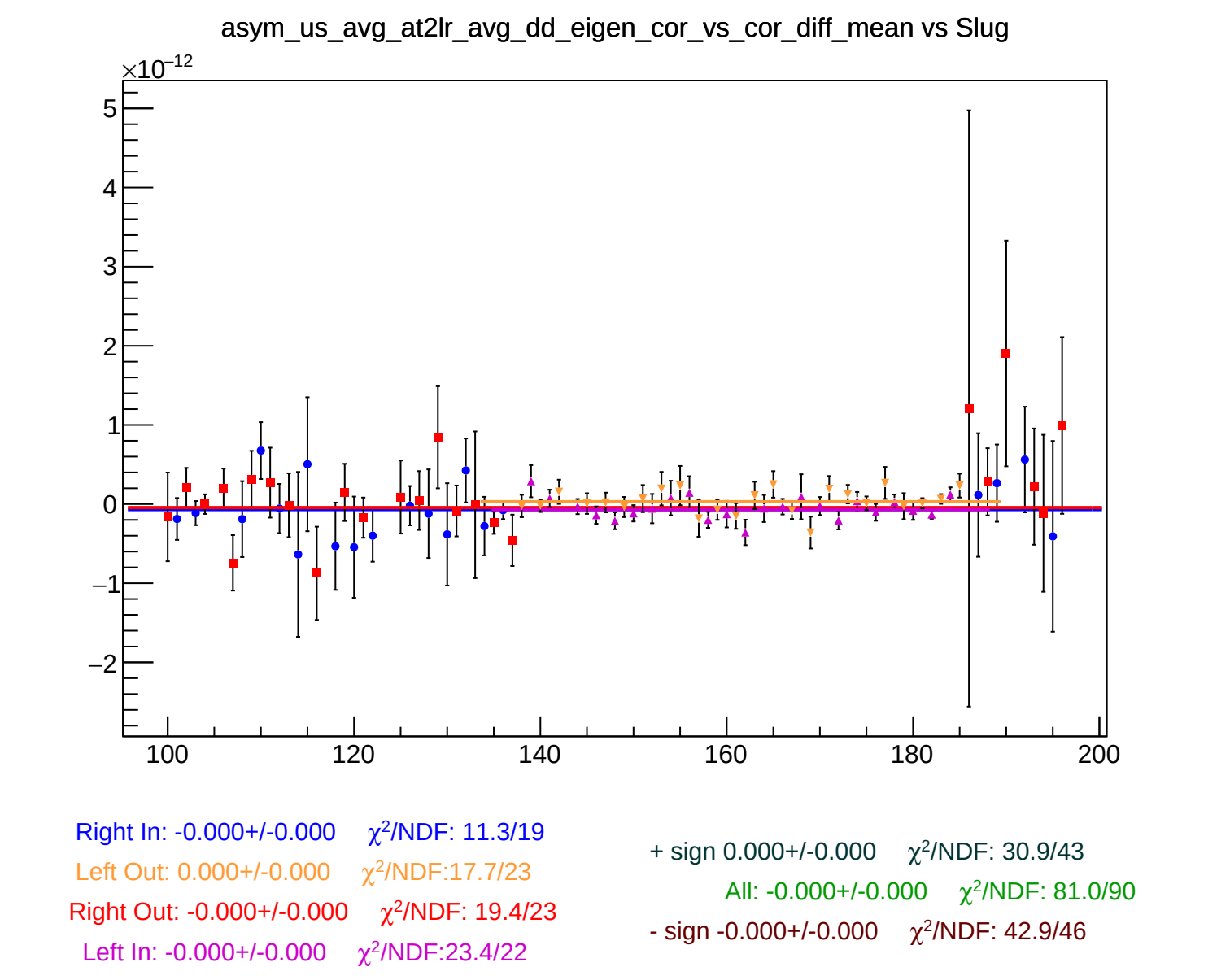
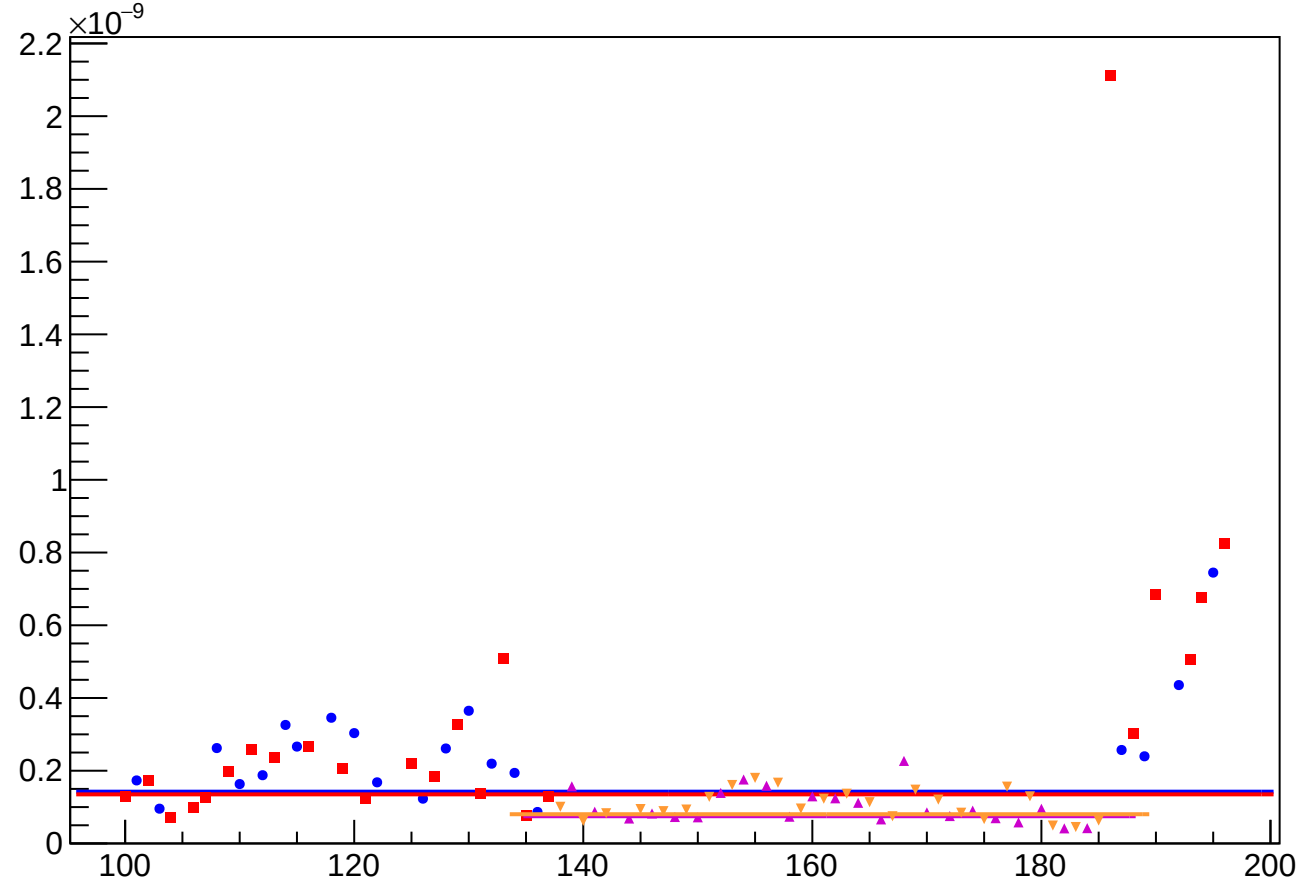
160
180
200
Right In: 277.155+/-0.067 χ²/NDF: 1597258.4/19
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 216.020+/-0.052 χ²/NDF: 3836452.0/23
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.383+/-0.055 χ²/NDF: 10579146.3/43
All: 319.549+/-0.035 χ²/NDF: 27602366.5/90
- sign 289.513+/-0.045 χ²/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
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.3/19
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: 30.9/43
All: -0.000+/-0.000 χ²/NDF: 81.0/90
- sign -0.000+/-0.000 χ²/NDF: 42.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 2849787.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5109913.4/23

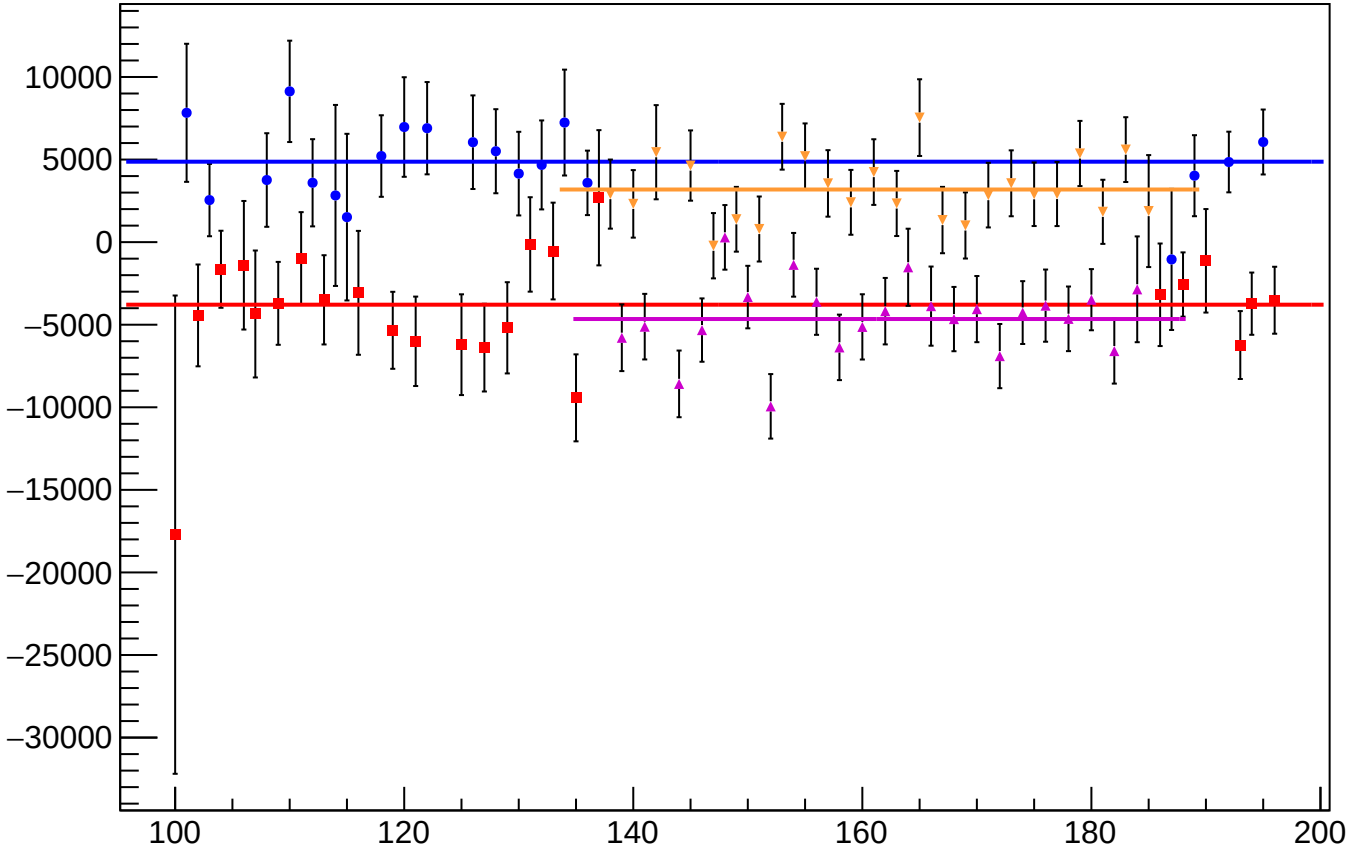
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8069738.5/43

All: 0.000+/-0.000 χ^2/NDF: 18498810.6/90

- sign 0.000+/-0.000 χ^2/NDF: 10368562.9/46

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4870.983+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3787.489+/-550.719 χ^2/NDF: 18.8/23

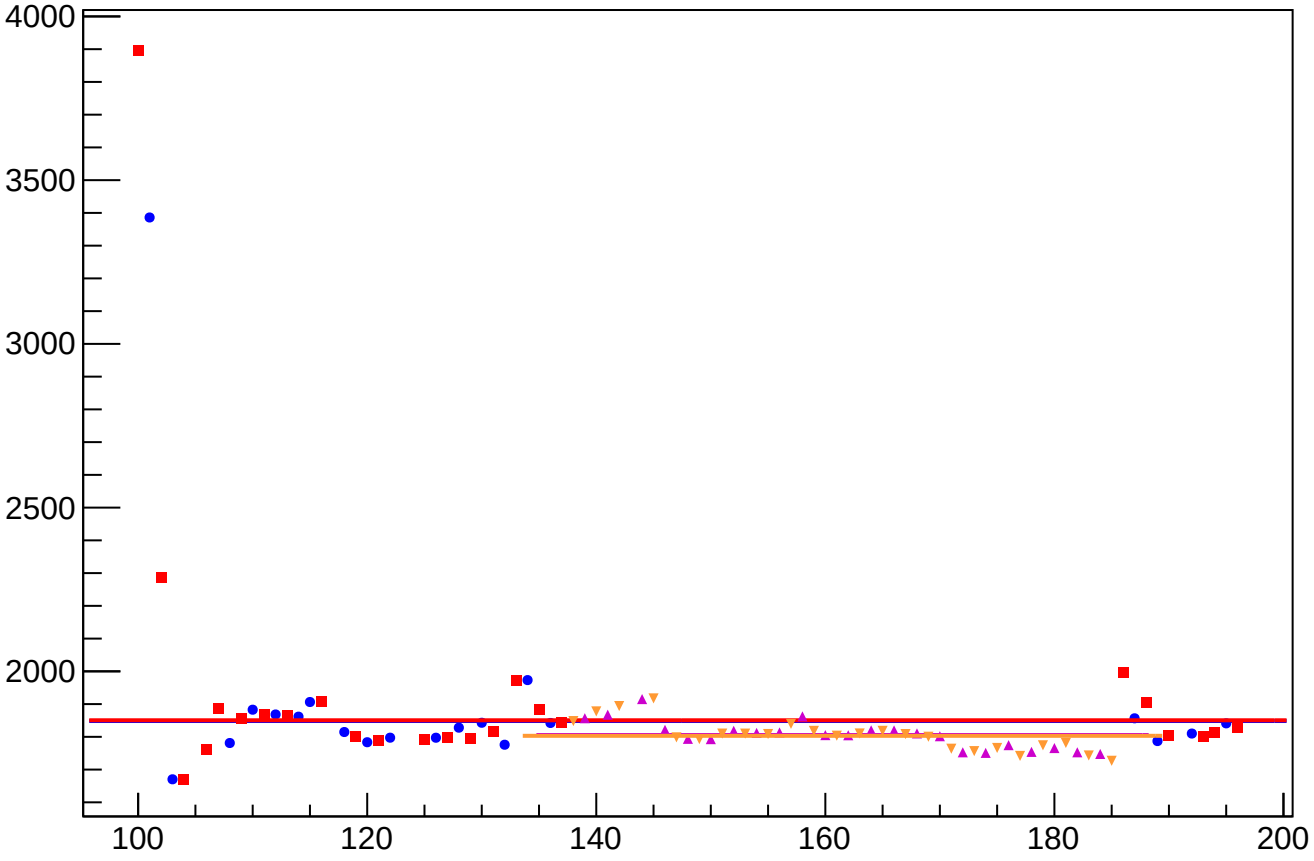
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3744.447+/-342.404 χ^2/NDF: 34.5/43

All: -385.584+/-239.387 χ^2/NDF: 367.1/90

- sign -4334.491+/-334.811 χ^2/NDF: 48.0/46

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.313+/-0.421 χ^2/NDF: 294995.0/19

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

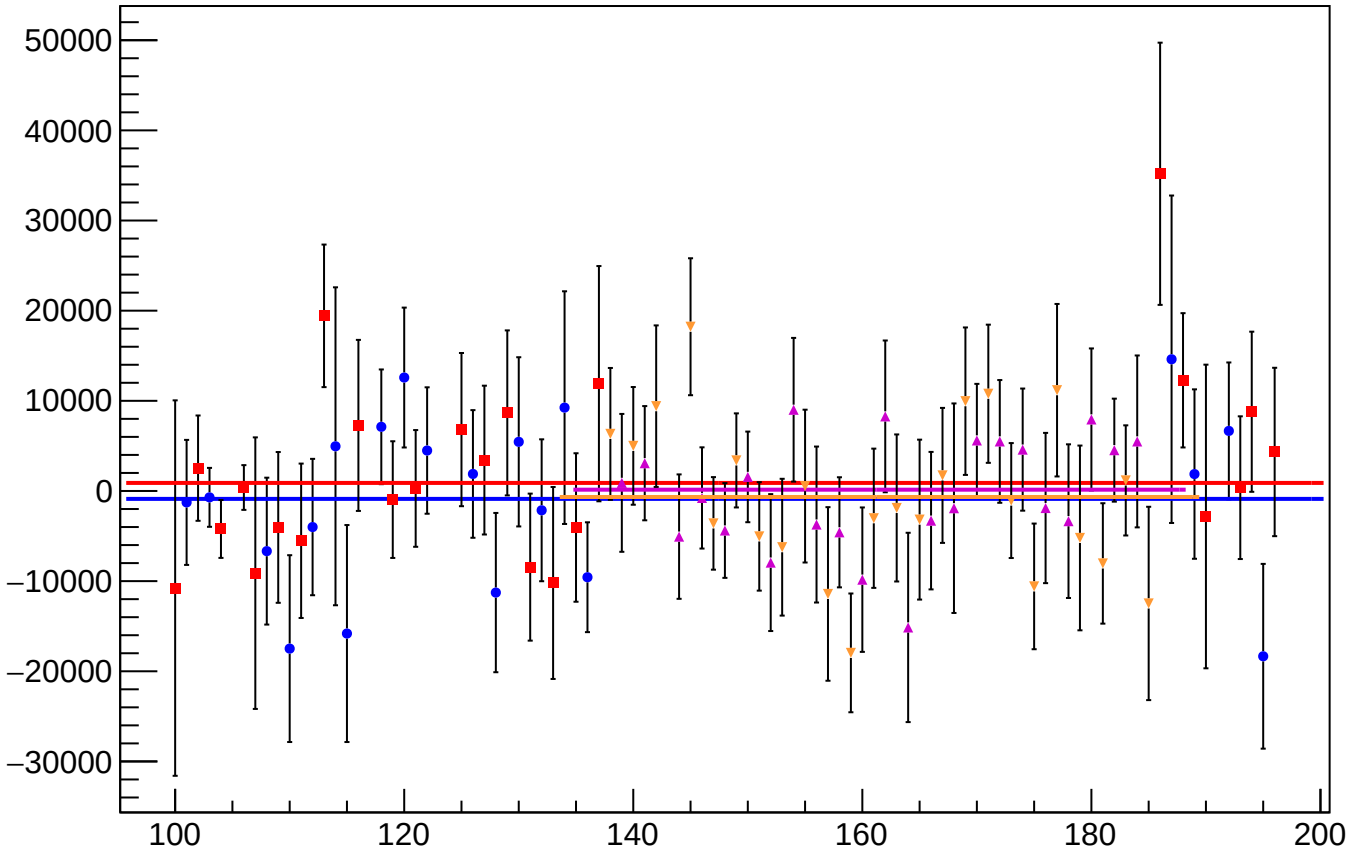
Right Out: 1850.552+/-0.389 χ^2/NDF: 110826.6/23

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323353.0/43

All: 1820.199+/-0.169 χ^2/NDF: 462080.5/90

- sign 1822.228+/-0.237 χ^2/NDF: 138576.9/46



Right In: -877.622+/-1660.856 χ^2/NDF: 19.4/19

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

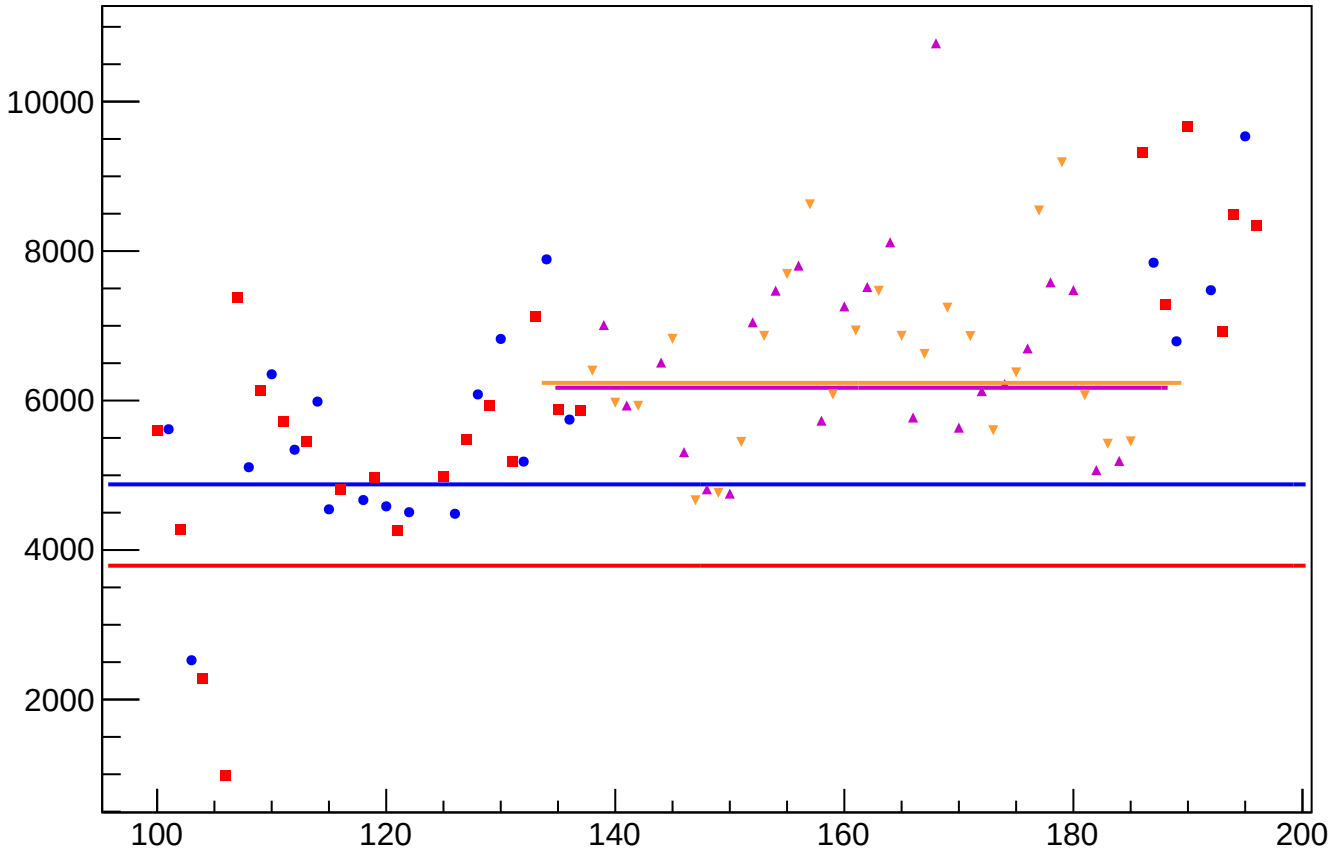
Right Out: 893.009+/-1348.844 χ^2/NDF: 24.0/23

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -760.275+/-1104.448 χ^2/NDF: 49.2/43

All: -36.143+/-738.949 χ^2/NDF: 87.7/90

- sign 550.726+/-994.276 χ^2/NDF: 37.7/46



Right In: 4878.458+/-1.174 χ^2/NDF: 2194169.3/19

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3790.735+/-0.954 χ^2/NDF: 6582957.6/23

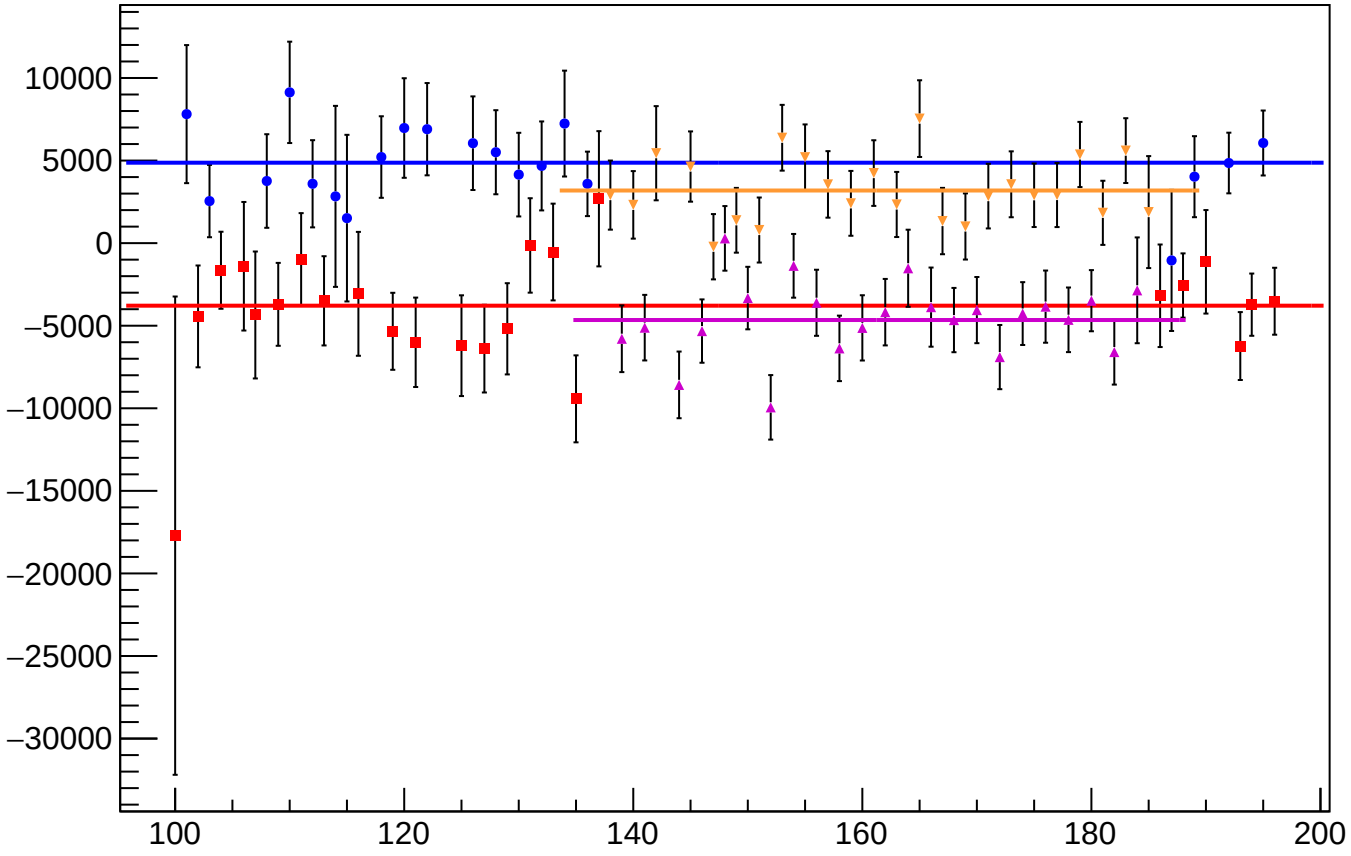
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5636.039+/-0.781 χ^2/NDF: 4007850.9/43

All: 5217.090+/-0.523 χ^2/NDF: 15192863.7/9

- sign 4877.554+/-0.703 χ^2/NDF: 10663999.3/46

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4870.664+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3787.337+/-550.719 χ^2/NDF: 18.8/23

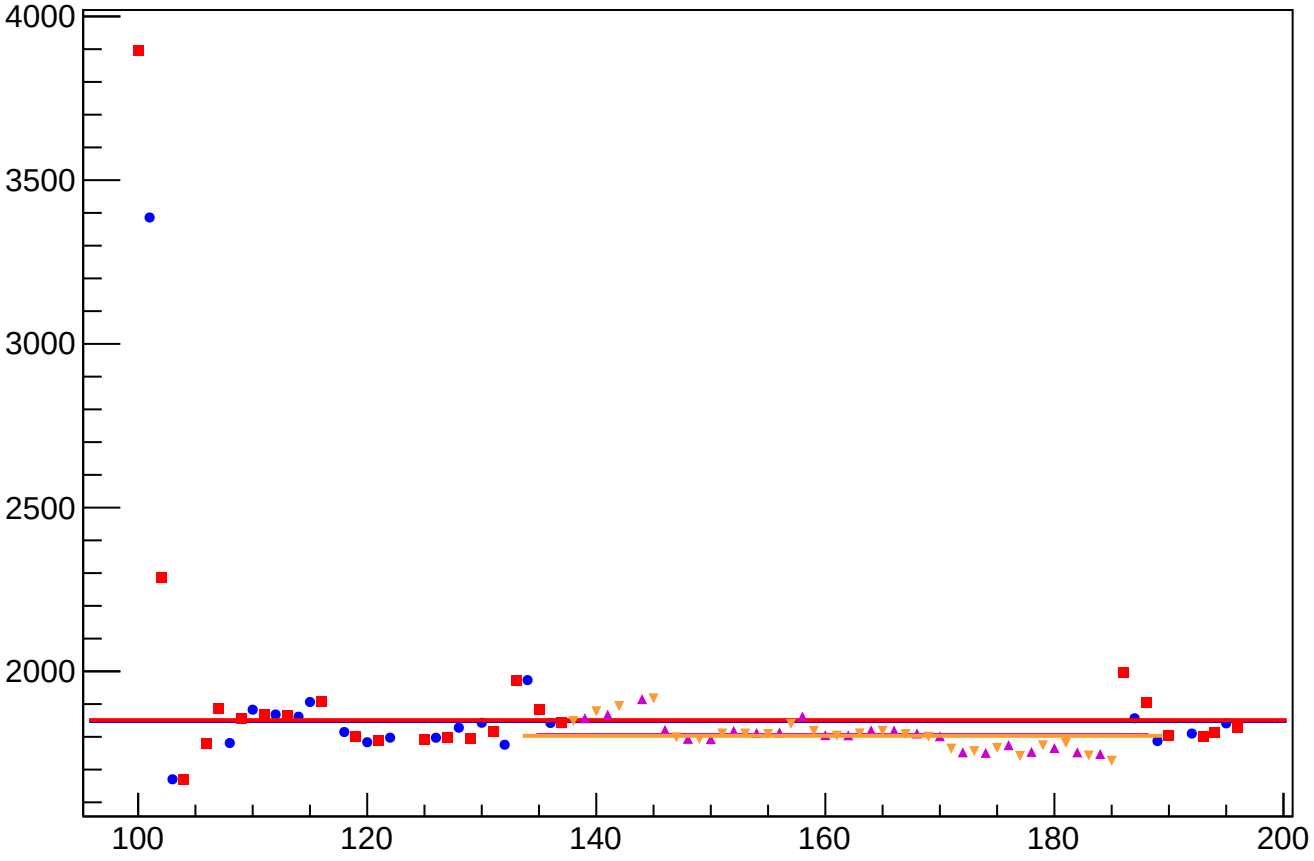
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3744.295+/-342.404 χ^2/NDF: 34.5/43

All: -385.636+/-239.387 χ^2/NDF: 367.1/90

- sign -4334.447+/-334.811 χ^2/NDF: 48.0/46

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.313+/-0.421 χ^2/NDF: 294996.8/19

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

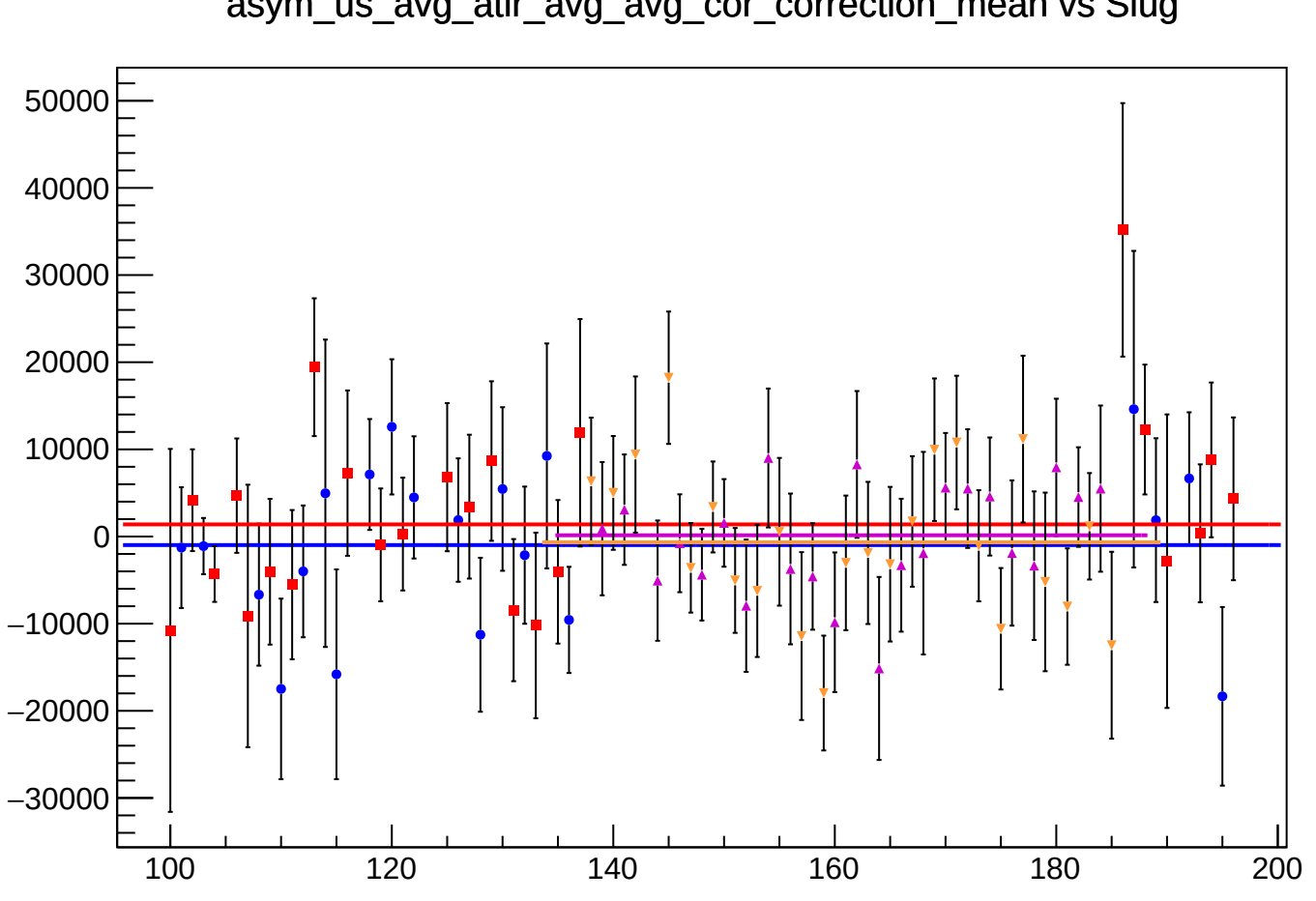
Right Out: 1850.994+/-0.389 χ^2/NDF: 110374.2/23

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323354.8/43

All: 1820.281+/-0.169 χ^2/NDF: 461806.2/90

- sign 1822.388+/-0.237 χ^2/NDF: 138289.0/46



Right In: -980.683+/-1655.593 χ^2/NDF: 19.4/19

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1389.378+/-1559.046 χ^2/NDF: 24.5/23

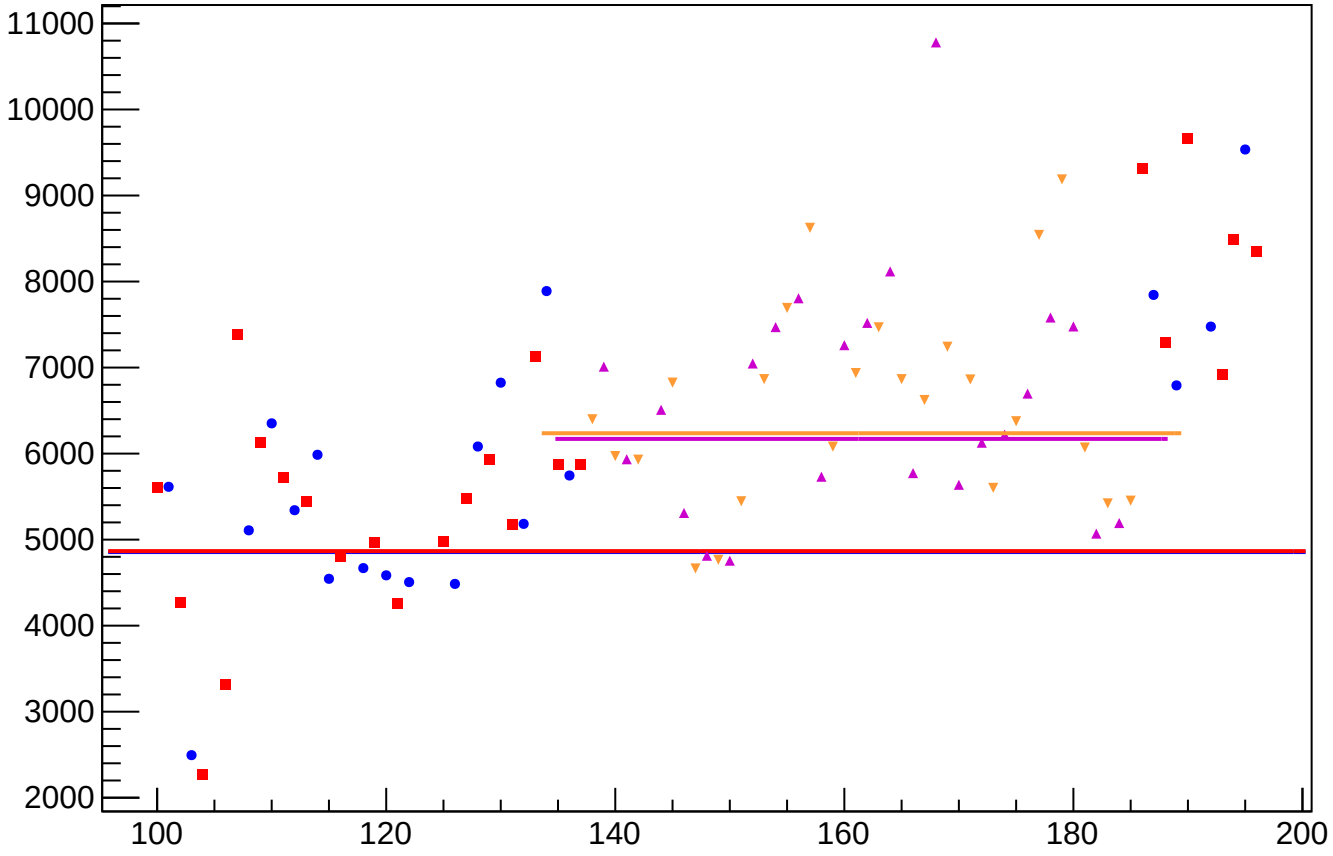
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -806.341+/-1102.896 χ^2/NDF: 49.2/43

All: -14.784+/-767.996 χ^2/NDF: 88.7/90

- sign 730.354+/-1070.070 χ^2/NDF: 38.5/46

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4855.452+/-1.171 χ^2/NDF: 2247185.8/19

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

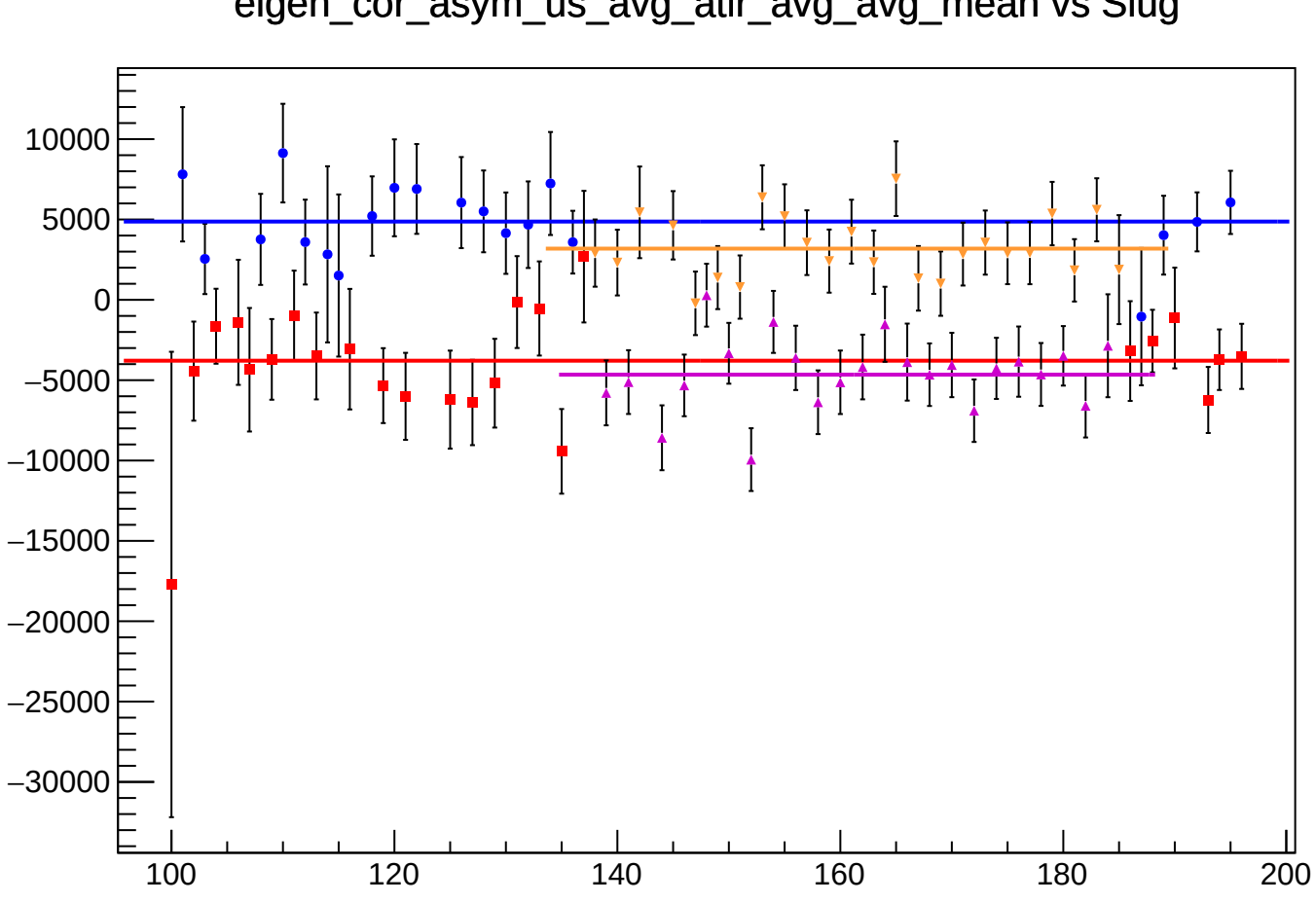
Right Out: 4866.462+/-1.102 χ^2/NDF: 3088183.2/23

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5623.702+/-0.780 χ^2/NDF: 4089092.2/43

All: 5588.999+/-0.543 χ^2/NDF: 9159080.6/90

- sign 5556.331+/-0.757 χ^2/NDF: 5066144.3/46



Right In: 4870.664+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3787.337+/-550.719 χ^2/NDF: 18.8/23

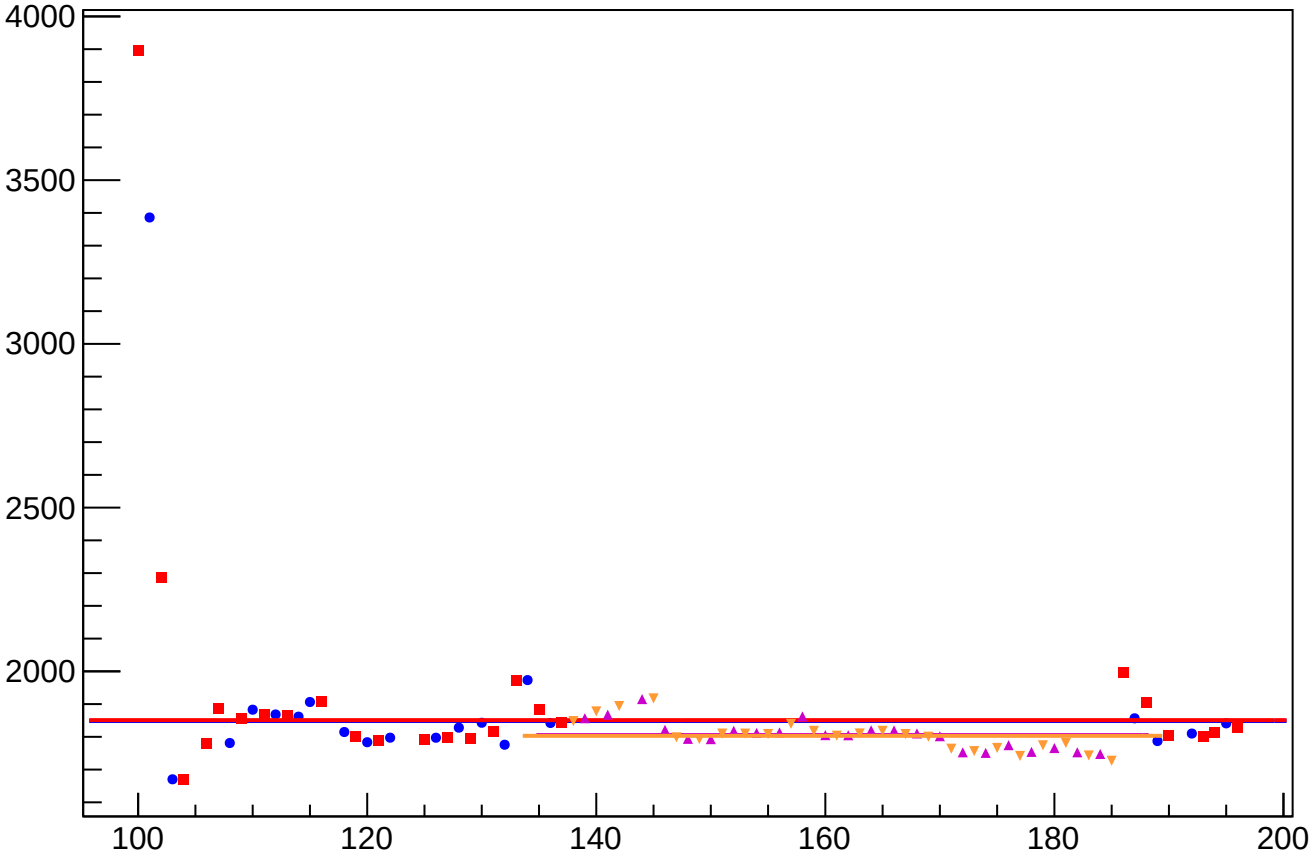
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3744.295+/-342.404 χ^2/NDF: 34.5/43

All: -385.636+/-239.387 χ^2/NDF: 367.1/90

- sign -4334.447+/-334.811 χ^2/NDF: 48.0/46

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.313+/-0.421 χ^2/NDF: 294996.8/19

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

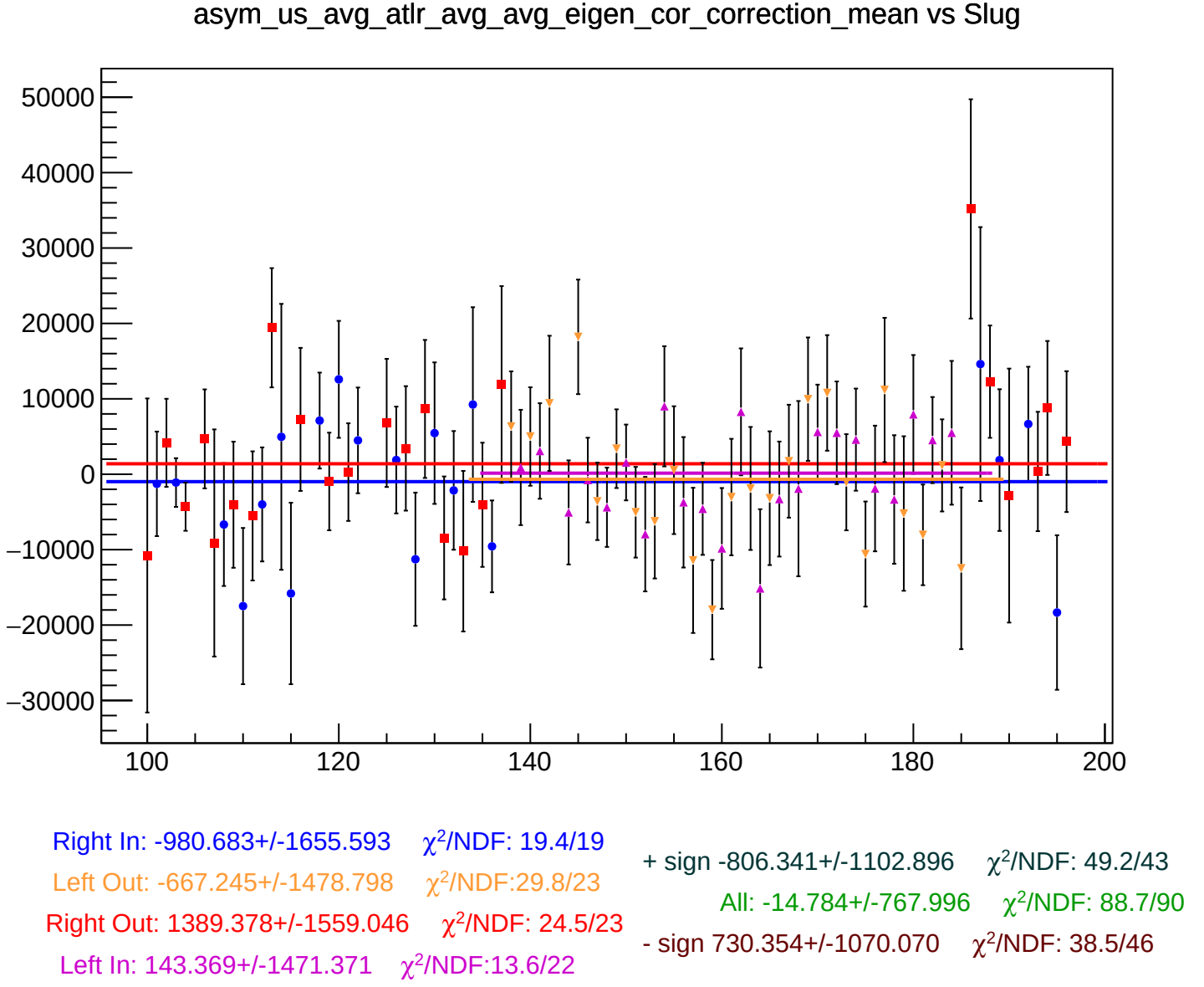
Right Out: 1850.994+/-0.389 χ^2/NDF: 110374.2/23

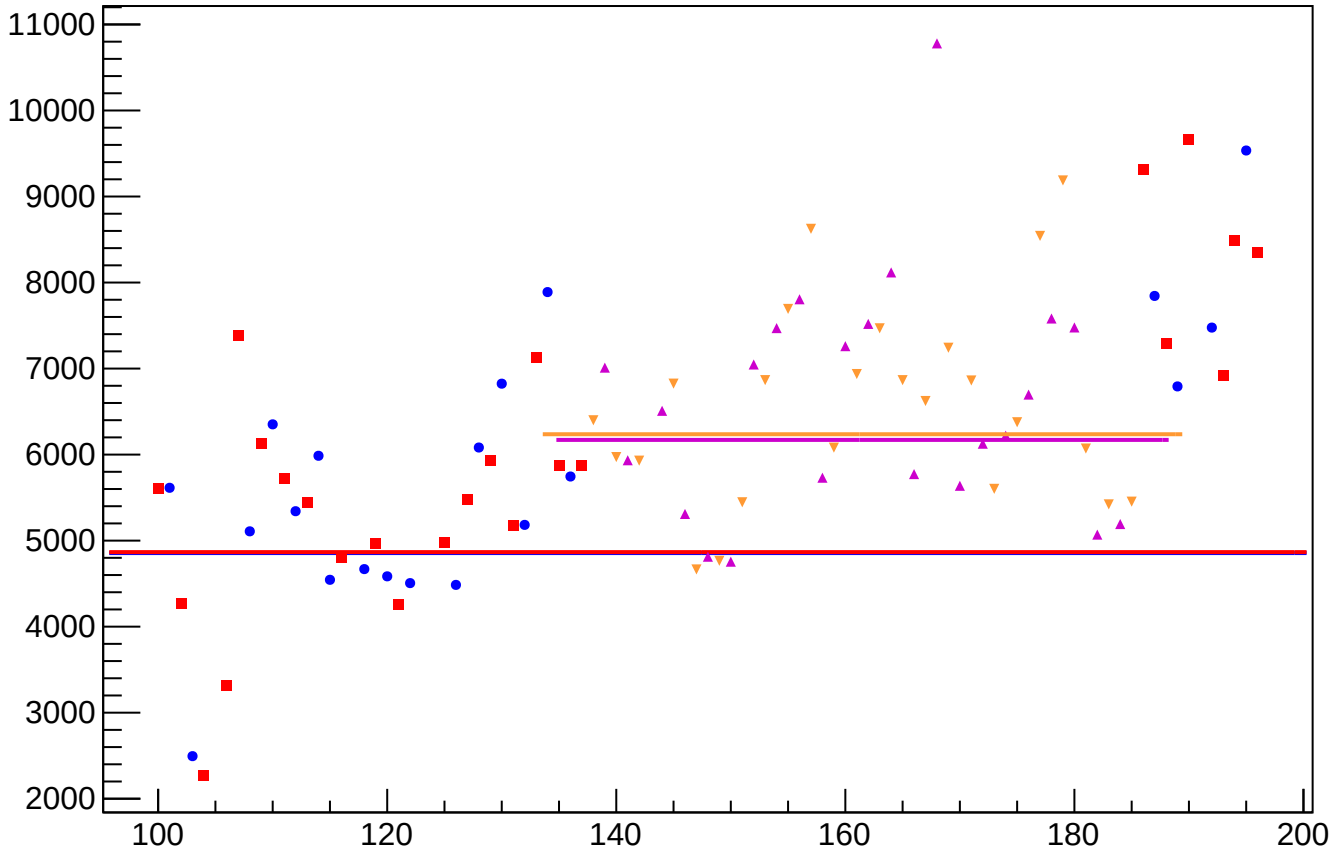
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323354.8/43

All: 1820.281+/-0.169 χ^2/NDF: 461806.2/90

- sign 1822.388+/-0.237 χ^2/NDF: 138289.0/46


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -980.683+/-1655.593 χ²/NDF: 19.4/19
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1389.378+/-1559.046 χ²/NDF: 24.5/23
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -806.341+/-1102.896 χ²/NDF: 49.2/43
All: -14.784+/-767.996 χ²/NDF: 88.7/90
- sign 730.354+/-1070.070 χ²/NDF: 38.5/46



Right In: 4855.452+/-1.171 χ^2/NDF: 2247185.8/19

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4866.462+/-1.102 χ^2/NDF: 3088183.2/23

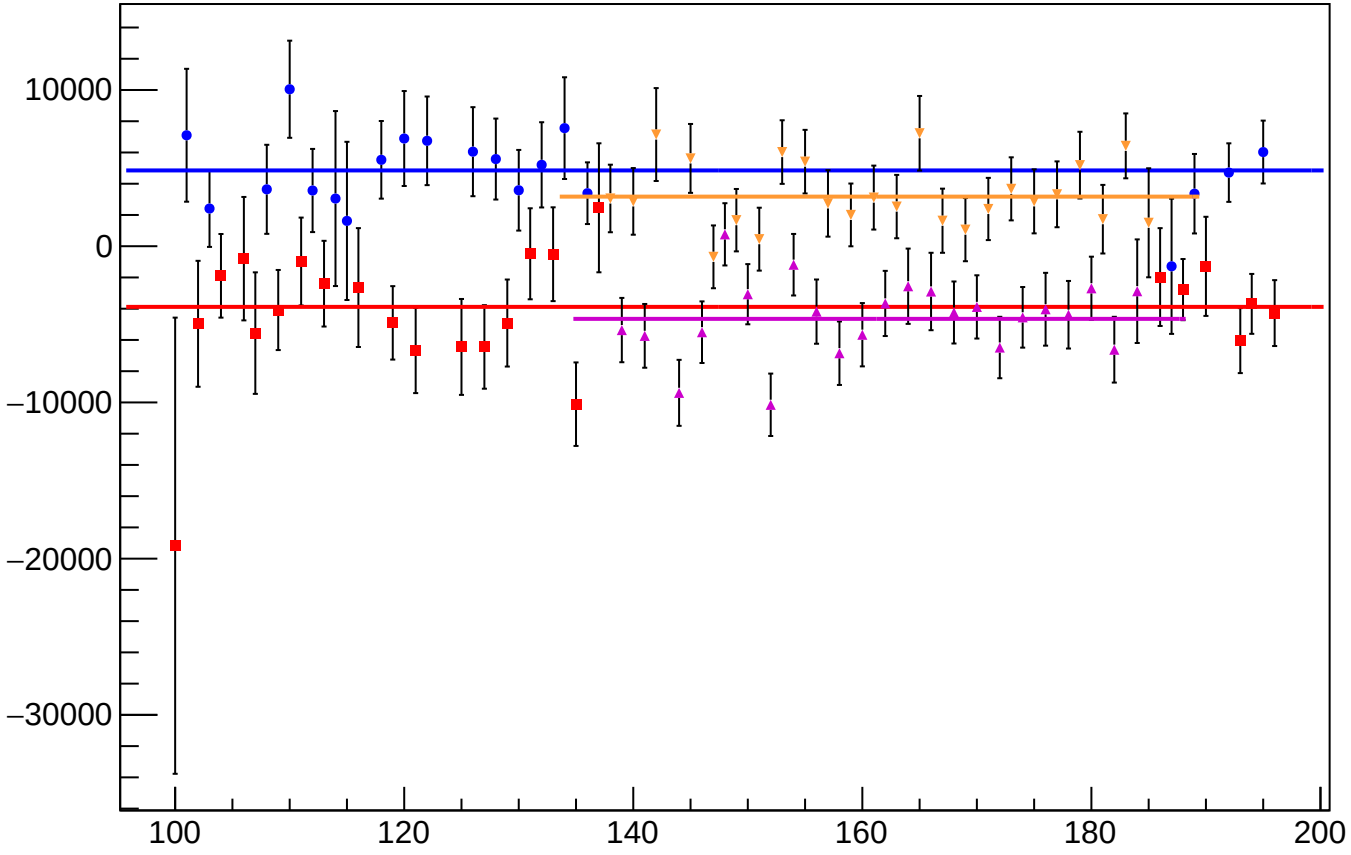
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5623.702+/-0.780 χ^2/NDF: 4089092.2/43

All: 5588.999+/-0.543 χ^2/NDF: 9159080.6/90

- sign 5556.331+/-0.757 χ^2/NDF: 5066144.3/46

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4851.057+/-608.477 χ^2/NDF: 10.4/19

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3883.116+/-565.749 χ^2/NDF: 19.9/23

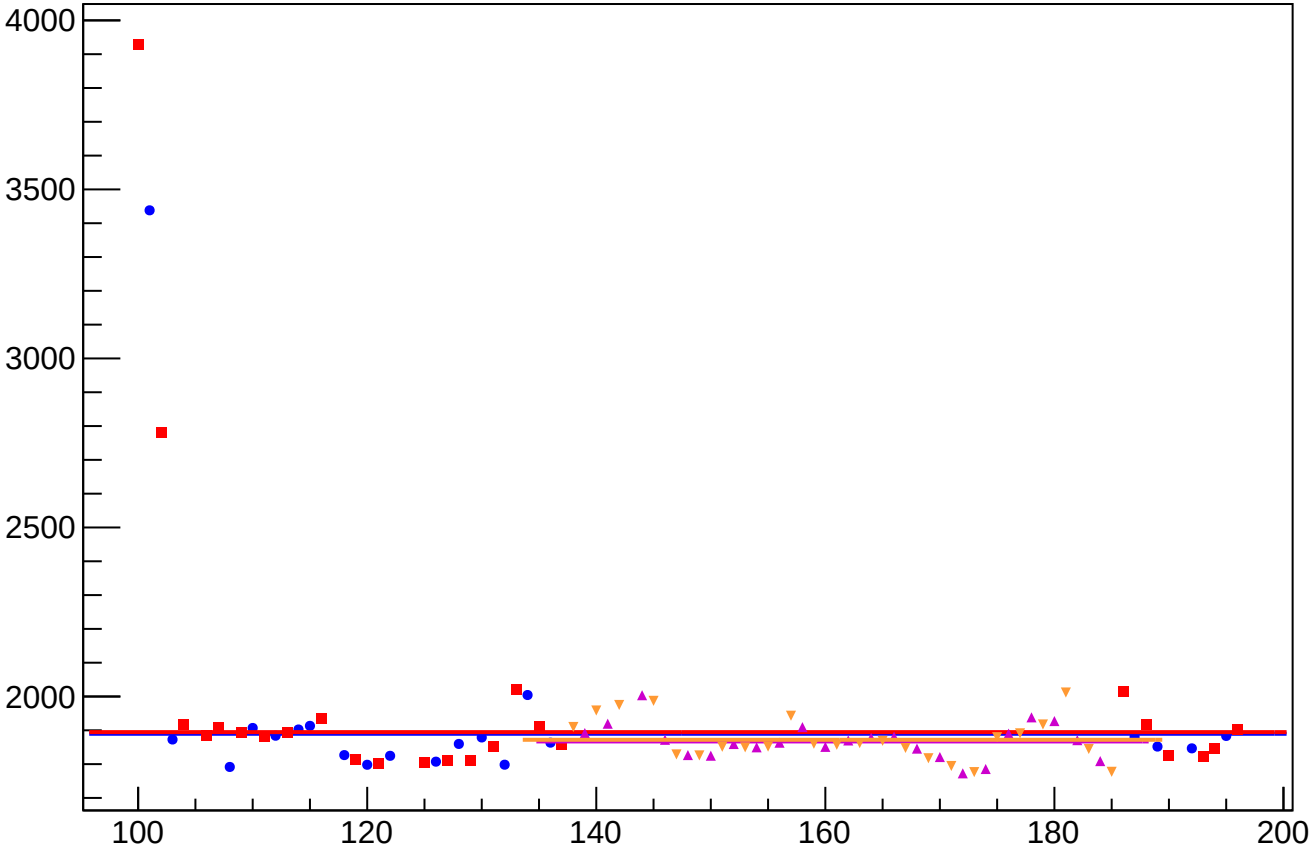
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3741.263+/-353.772 χ^2/NDF: 37.0/43

All: -408.085+/-247.157 χ^2/NDF: 357.3/90

- sign -4364.374+/-345.444 χ^2/NDF: 51.6/46

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1889.791+/-0.430 χ^2/NDF: 280399.0/19

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

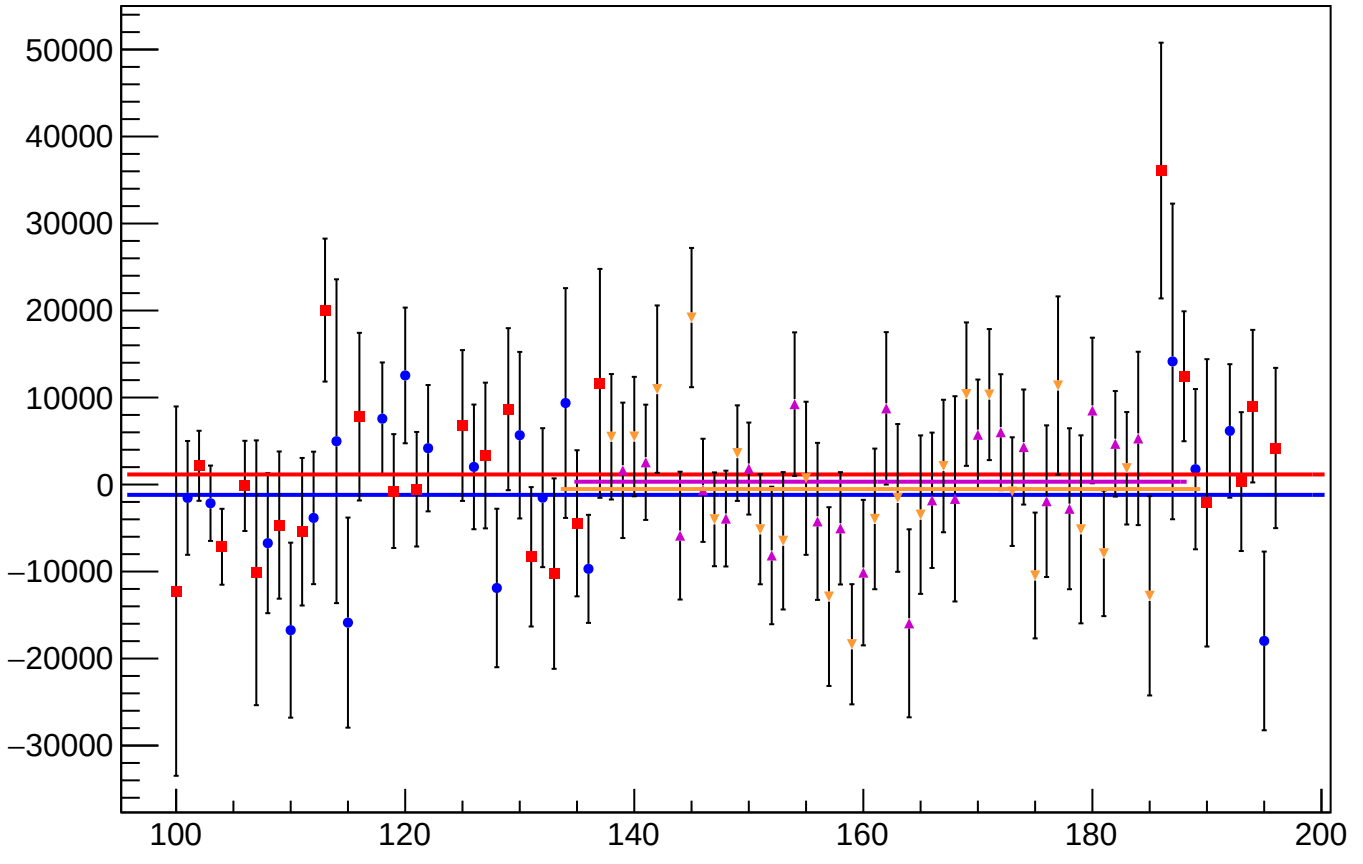
Right Out: 1894.656+/-0.400 χ^2/NDF: 158376.1/23

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1878.000+/-0.250 χ^2/NDF: 318688.3/43

All: 1877.677+/-0.175 χ^2/NDF: 507297.2/90

- sign 1877.369+/-0.244 χ^2/NDF: 188605.7/46



Right In: -1186.561+/-1769.147 χ^2/NDF: 19.1/19

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

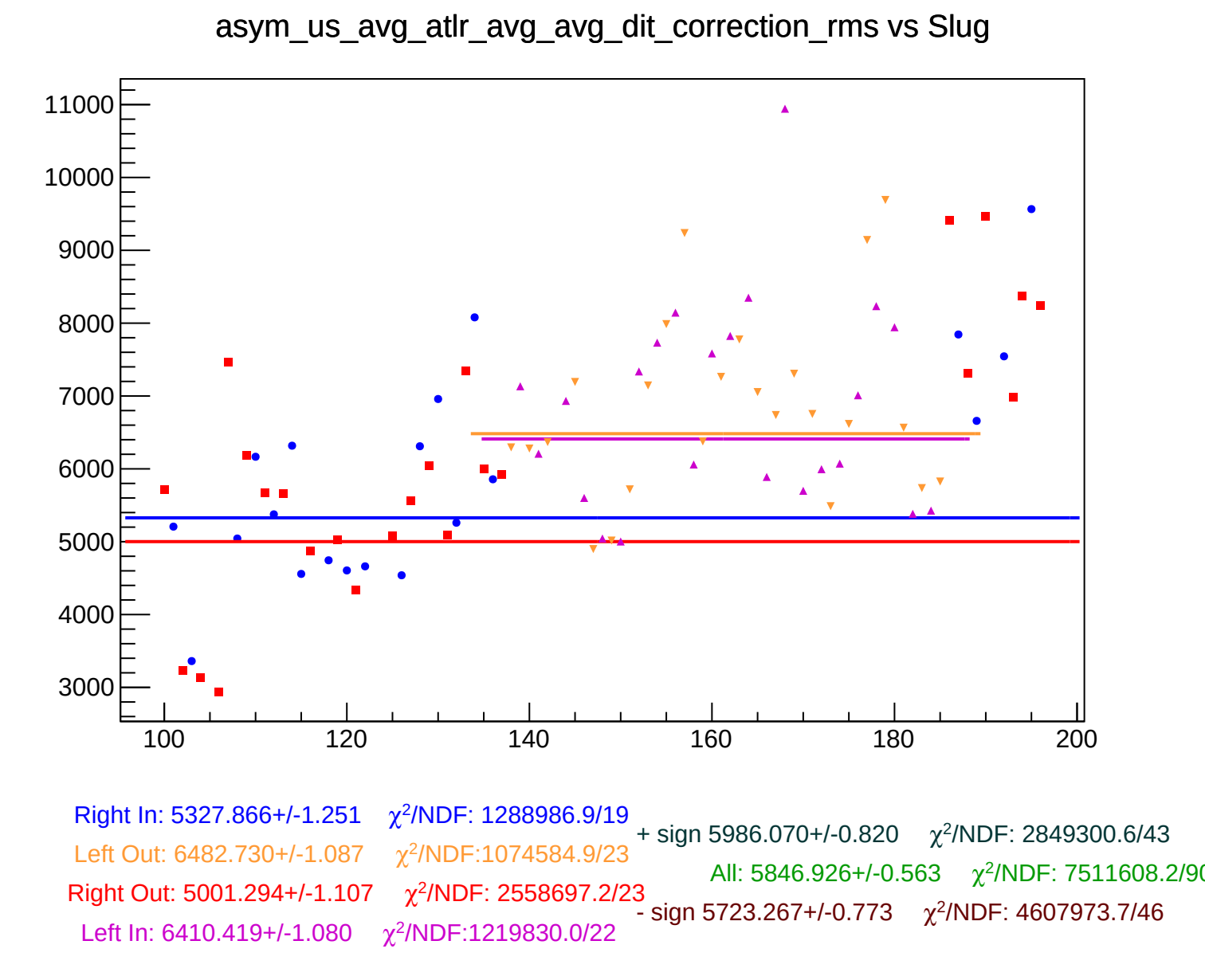
Right Out: 1158.689+/-1566.232 χ^2/NDF: 25.3/23

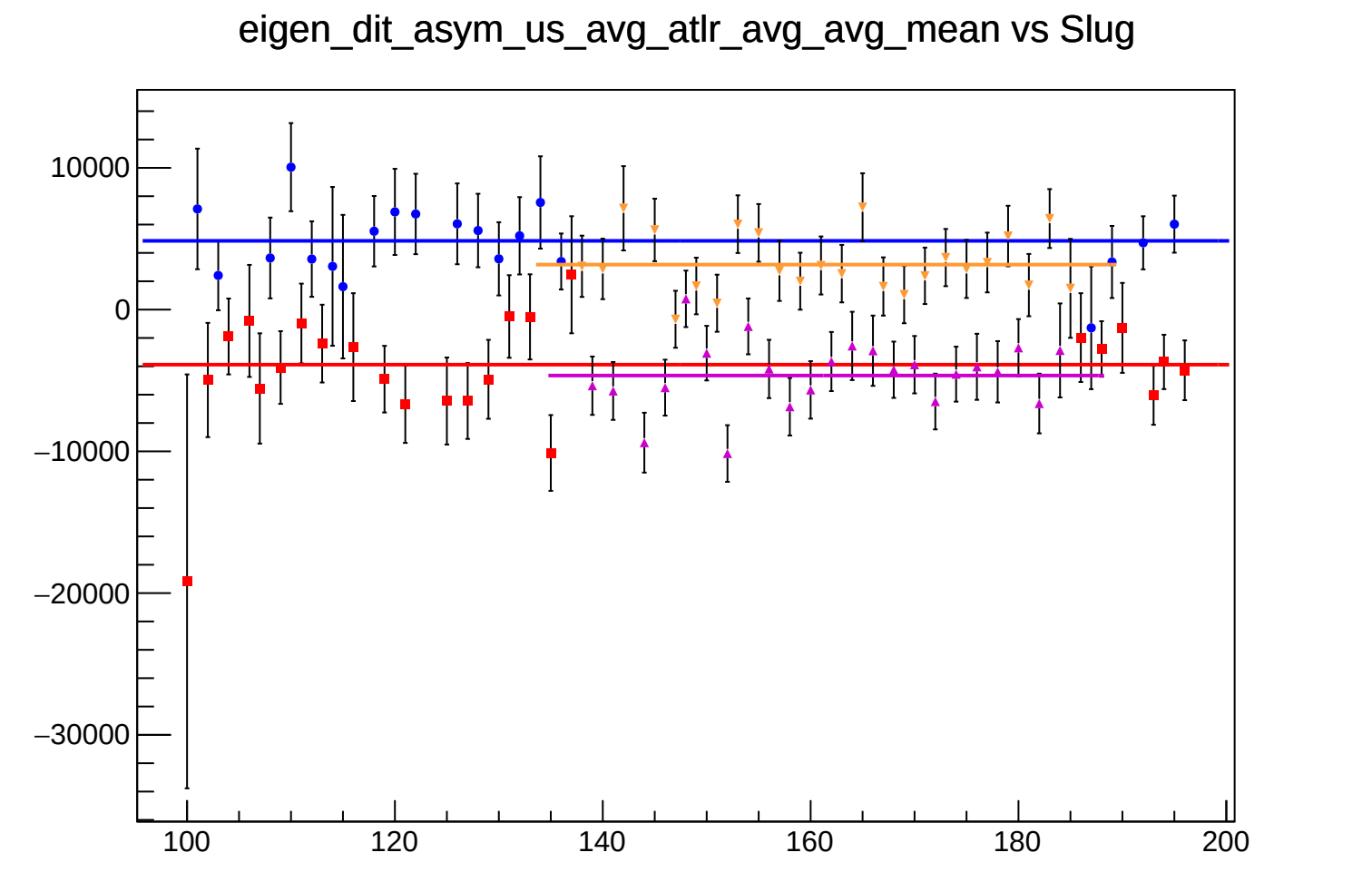
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -806.810+/-1160.187 χ^2/NDF: 48.4/43

All: 7.588+/-795.839 χ^2/NDF: 88.2/90

- sign 731.352+/-1093.724 χ^2/NDF: 38.8/46


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5327.866+/-1.251 χ²/NDF: 1288986.9/19
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 5001.294+/-1.107 χ²/NDF: 2558697.2/23
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
+ sign 5986.070+/-0.820 χ²/NDF: 2849300.6/43
All: 5846.926+/-0.563 χ²/NDF: 7511608.2/90
- sign 5723.267+/-0.773 χ²/NDF: 4607973.7/46



Right In: 4851.053+/-608.477 χ^2/NDF: 10.4/19

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3883.114+/-565.749 χ^2/NDF: 19.9/23

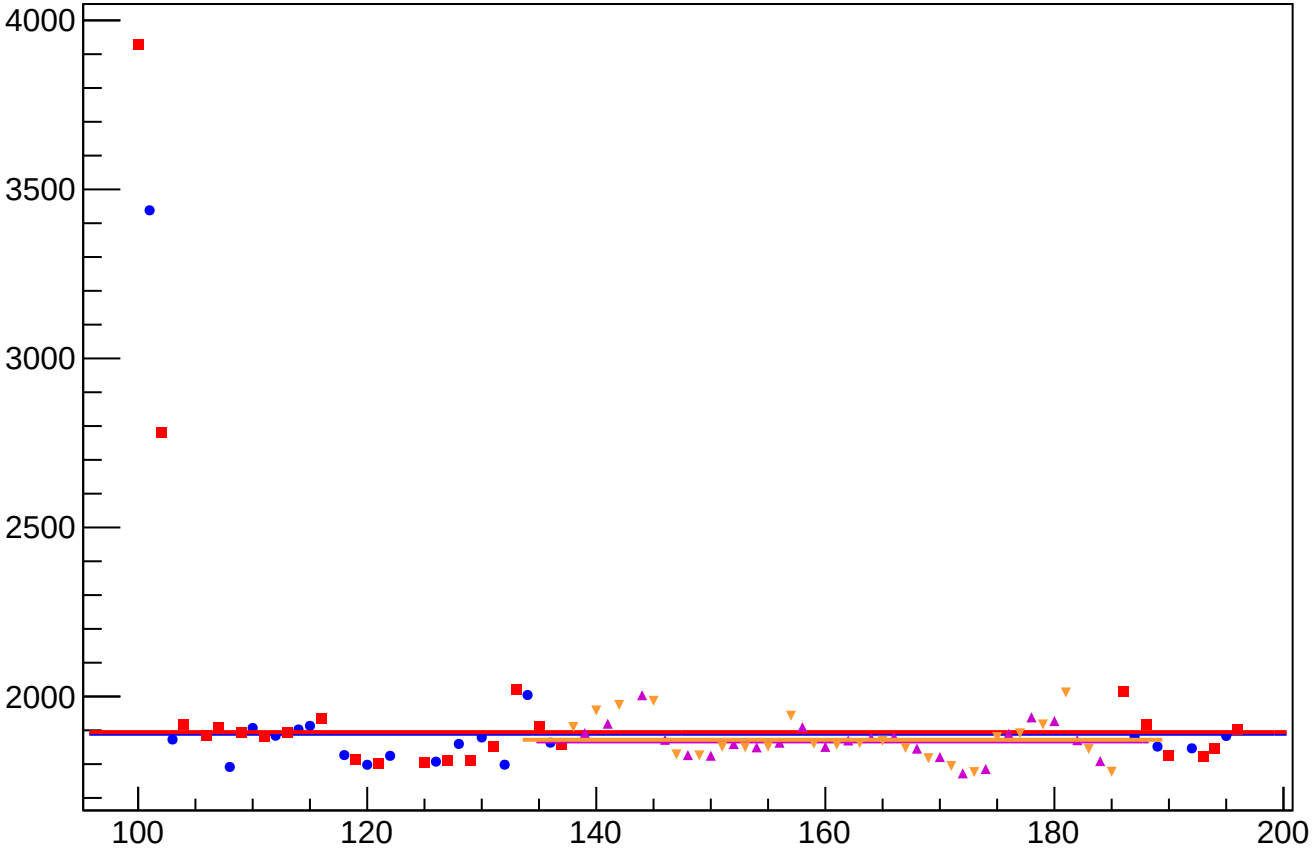
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3741.258+/-353.772 χ^2/NDF: 37.0/43

All: -408.087+/-247.157 χ^2/NDF: 357.3/90

- sign -4364.374+/-345.444 χ^2/NDF: 51.6/46

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1889.790+/-0.430 χ^2/NDF: 280399.3/19

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

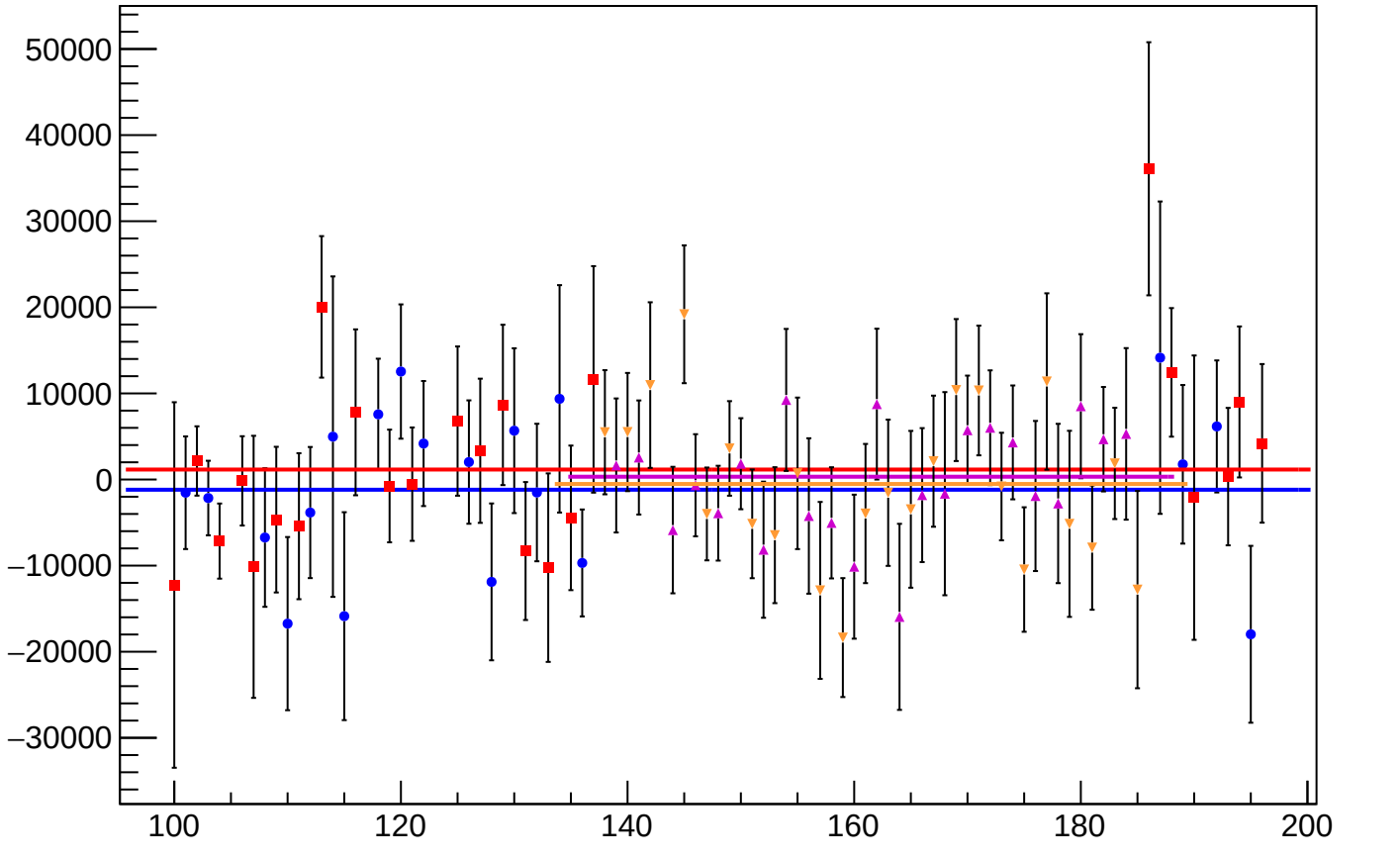
Right Out: 1894.656+/-0.400 χ^2/NDF: 158375.2/23

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1878.001+/-0.250 χ^2/NDF: 318689.3/43

All: 1877.678+/-0.175 χ^2/NDF: 507298.1/90

- sign 1877.370+/-0.244 χ^2/NDF: 188605.5/46



Right In: -1186.551+/-1769.144 χ^2/NDF: 19.1/19

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

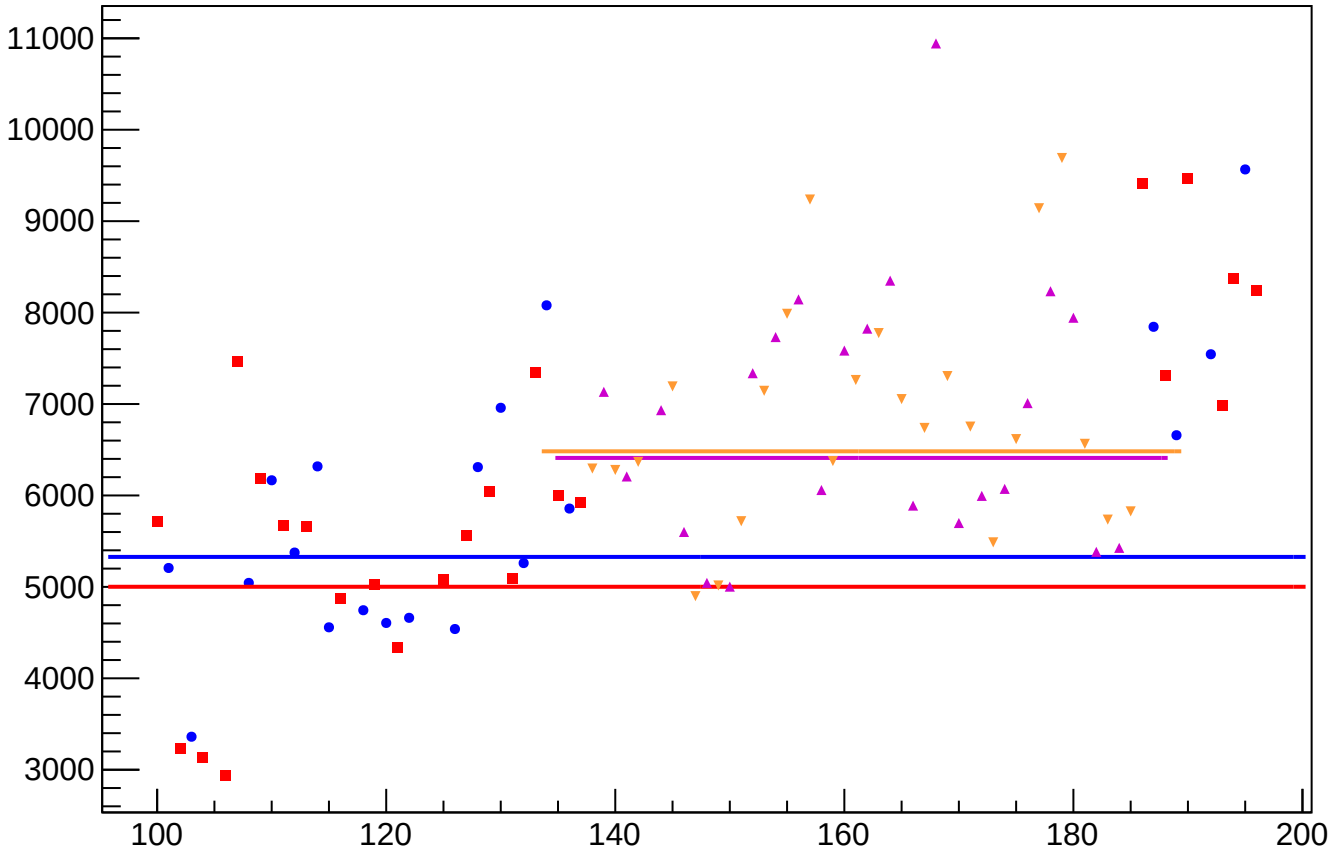
Right Out: 1158.681+/-1566.229 χ^2/NDF: 25.3/23

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -806.810+/-1160.187 χ^2/NDF: 48.4/43

All: 7.588+/-795.839 χ^2/NDF: 88.2/90

- sign 731.350+/-1093.724 χ^2/NDF: 38.8/46



Right In: 5327.853+/-1.251 χ^2/NDF: 1288998.4/19

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5001.282+/-1.107 χ^2/NDF: 2558709.1/23

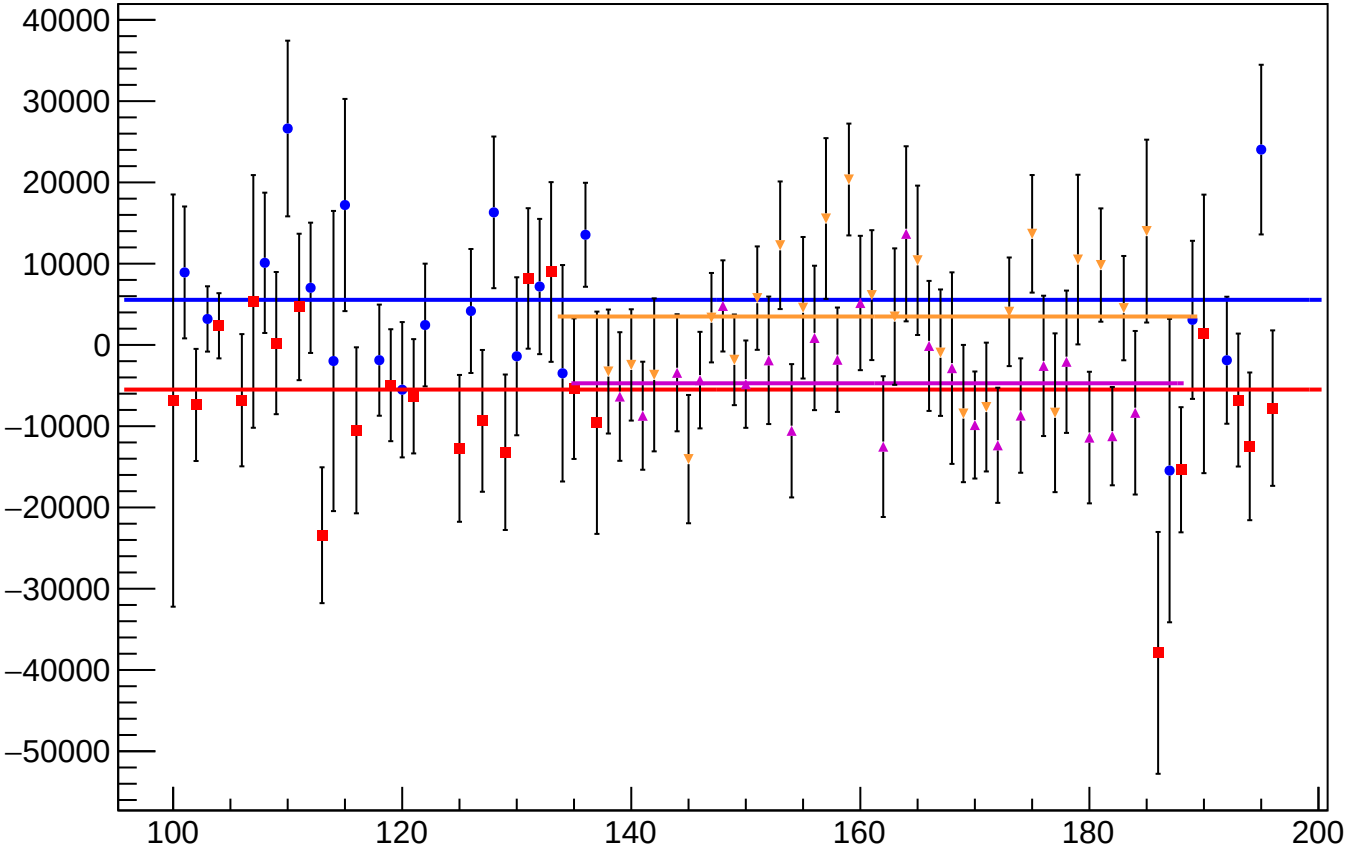
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5986.069+/-0.820 χ^2/NDF: 2849334.5/43

All: 5846.924+/-0.563 χ^2/NDF: 7511683.6/90

- sign 5723.264+/-0.773 χ^2/NDF: 4608014.5/46

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5549.688+/-1827.254 χ^2/NDF: 18.0/19

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

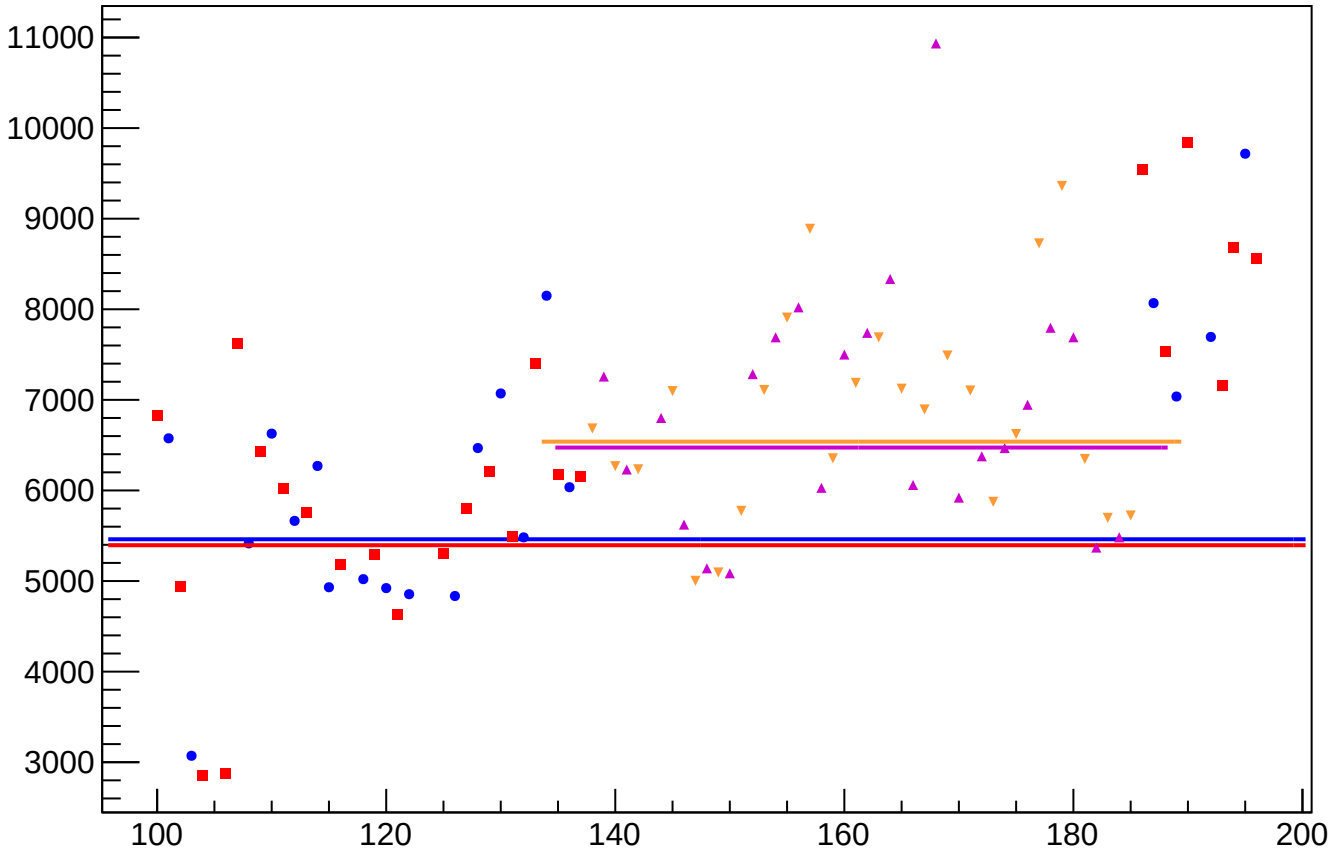
Right Out: -5492.274+/-1730.658 χ^2/NDF: 24.0/23

Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4353.368+/-1180.167 χ^2/NDF: 46.2/43

All: -475.063+/-823.678 χ^2/NDF: 117.2/90

- sign -5060.808+/-1150.126 χ^2/NDF: 38.4/46



Right In: 5461.047+/-1.292 χ^2/NDF: 1582830.8/19

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

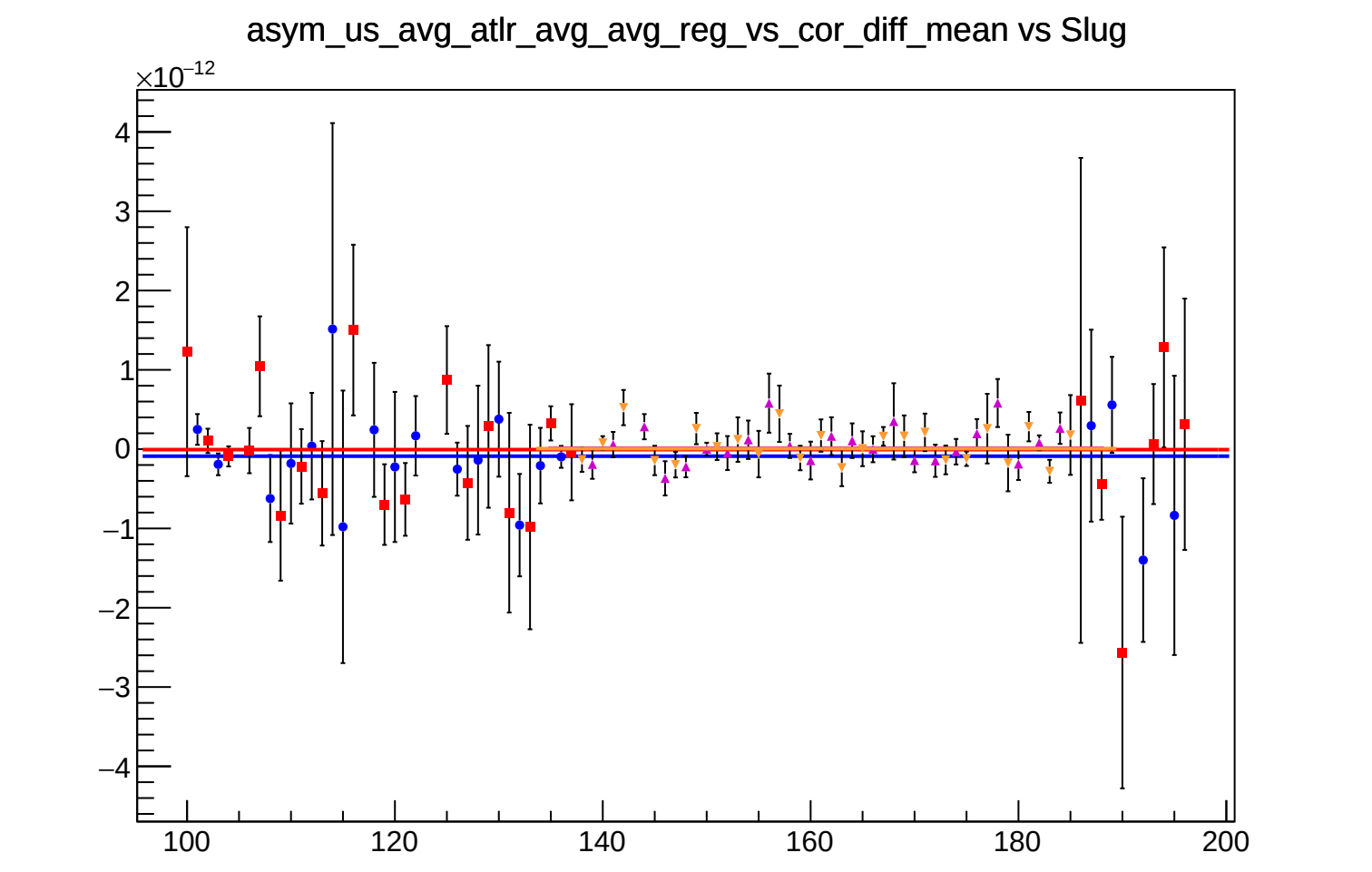
Right Out: 5395.406+/-1.204 χ^2/NDF: 2385638.9/23

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6089.156+/-0.834 χ^2/NDF: 2908915.1/43

All: 6037.173+/-0.580 χ^2/NDF: 6815193.7/90

- sign 5988.526+/-0.807 χ^2/NDF: 3898766.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

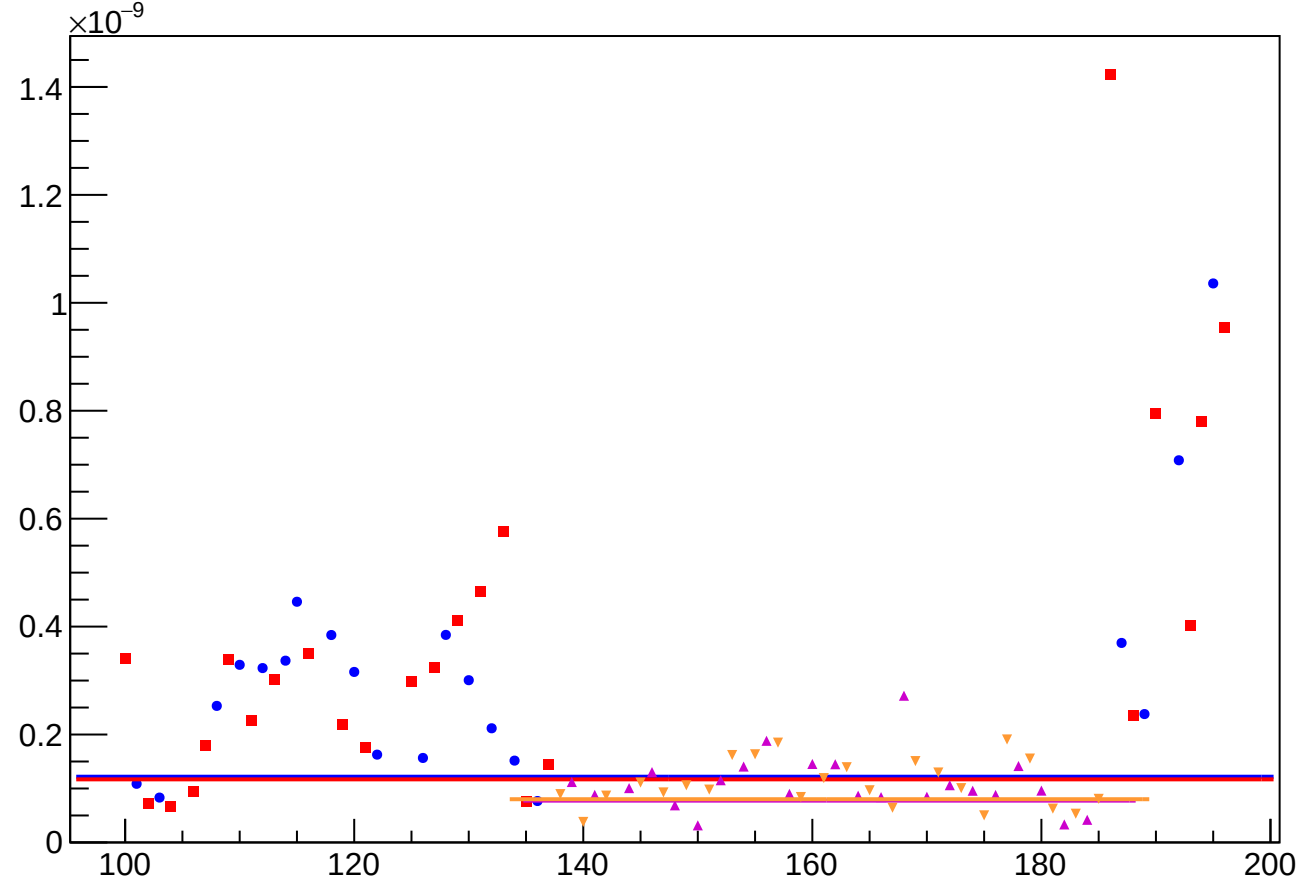
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/23

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/43

All: 0.000+/-0.000 χ^2/NDF: 85.6/90

- sign 0.000+/-0.000 χ^2/NDF: 45.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 2888598.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

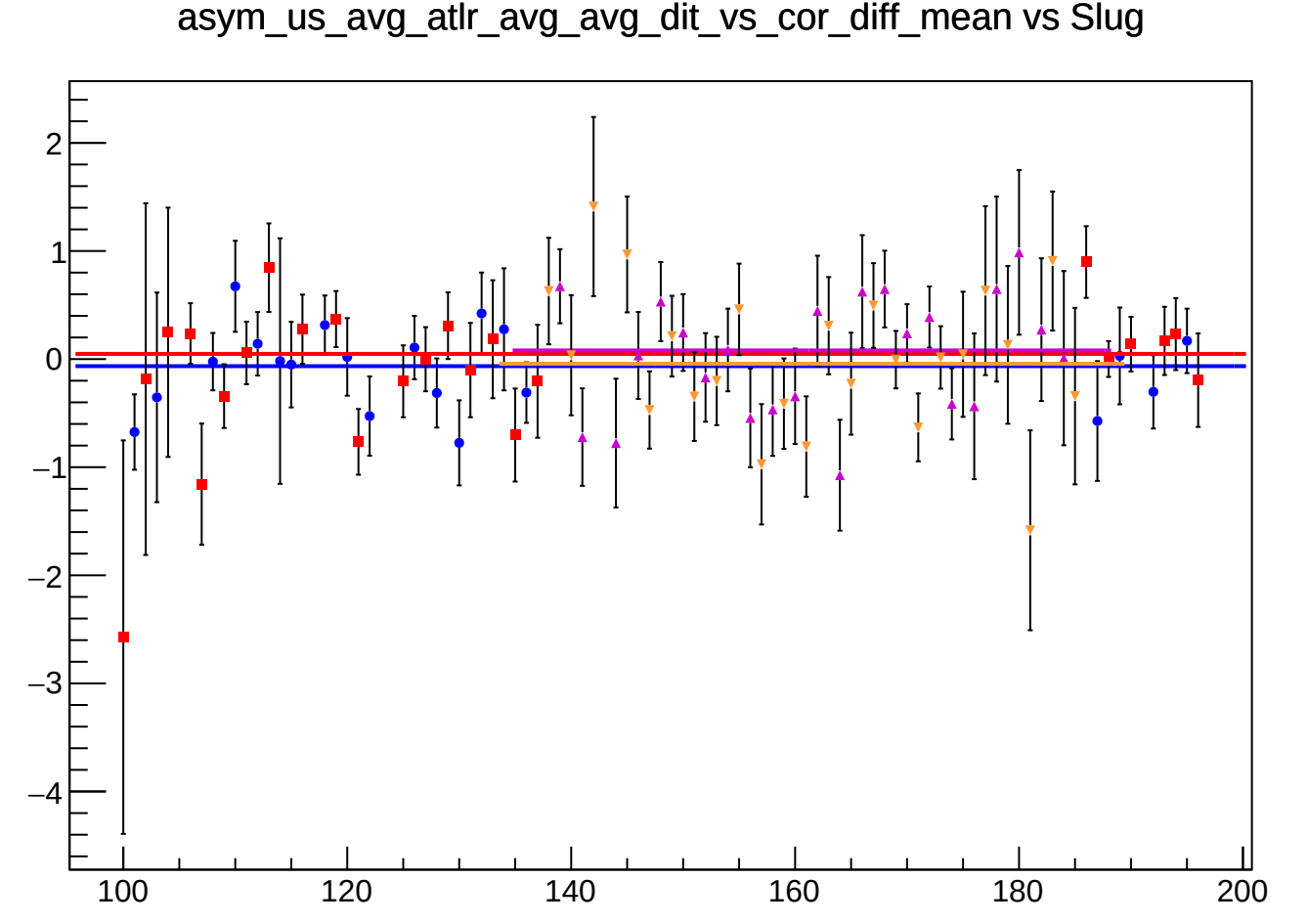
Right Out: 0.000+/-0.000 χ^2/NDF: 4352192.0/23

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5530314.2/43

All: 0.000+/-0.000 χ^2/NDF: 12985761.7/90

- sign 0.000+/-0.000 χ^2/NDF: 7446606.9/46



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

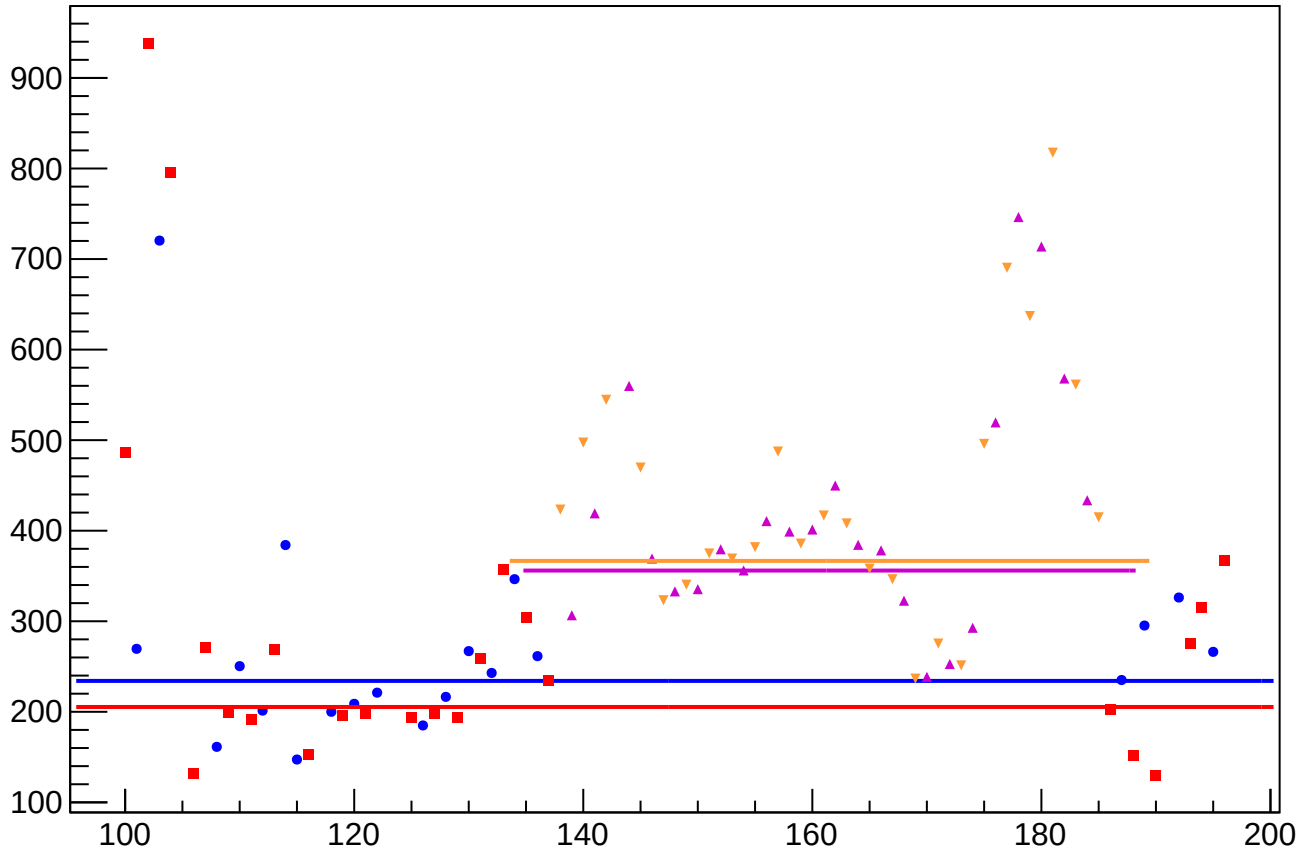
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.009+/-0.040 χ^2/NDF: 117.1/90

\- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

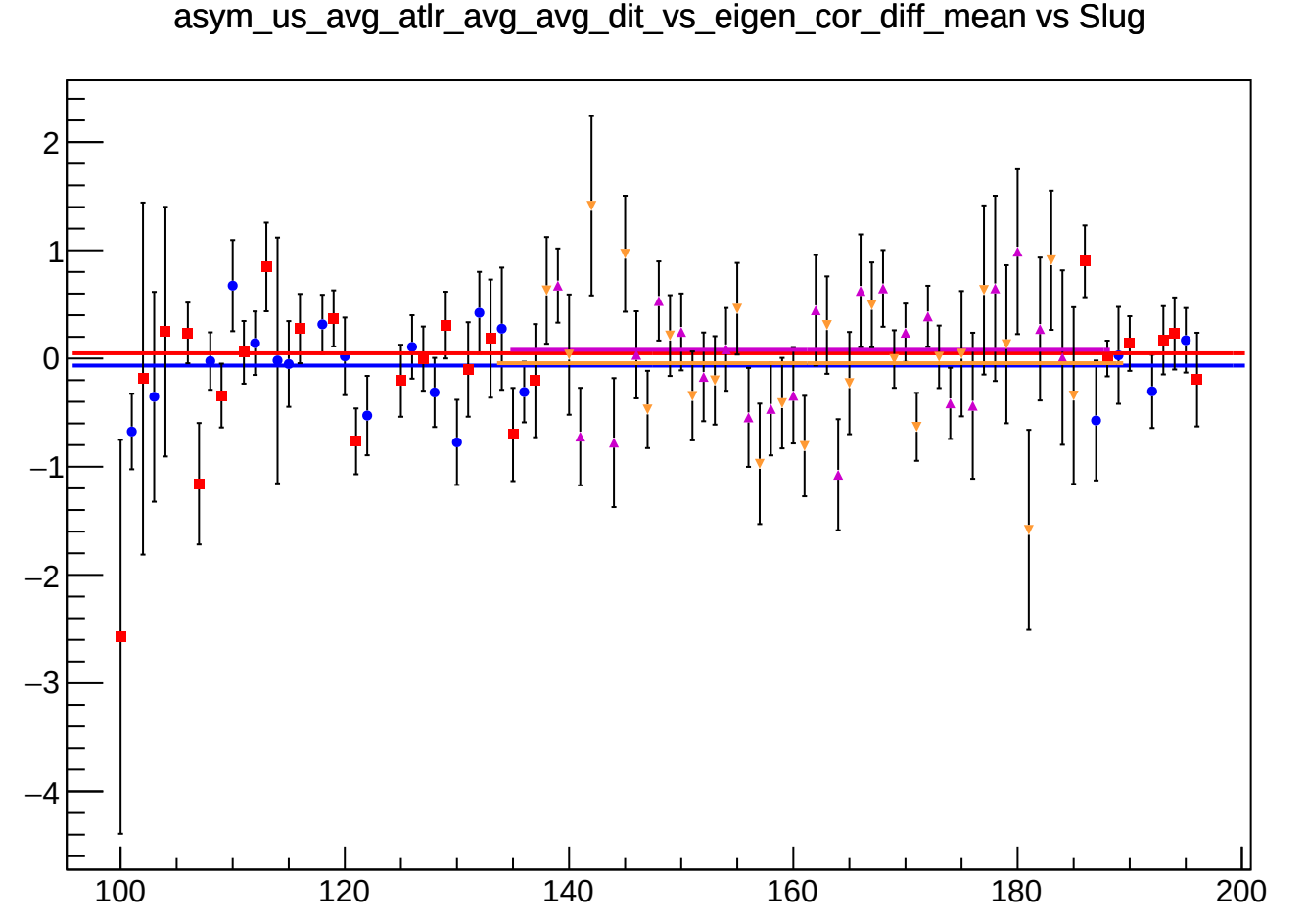
Right Out: 205.330+/-0.048 χ^2/NDF: 2538880.9/23

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.473+/-0.042 χ^2/NDF: 6505681.1/43

All: 275.424+/-0.028 χ^2/NDF: 15441830.5/90

- sign 261.765+/-0.038 χ^2/NDF: 8645435.7/46



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

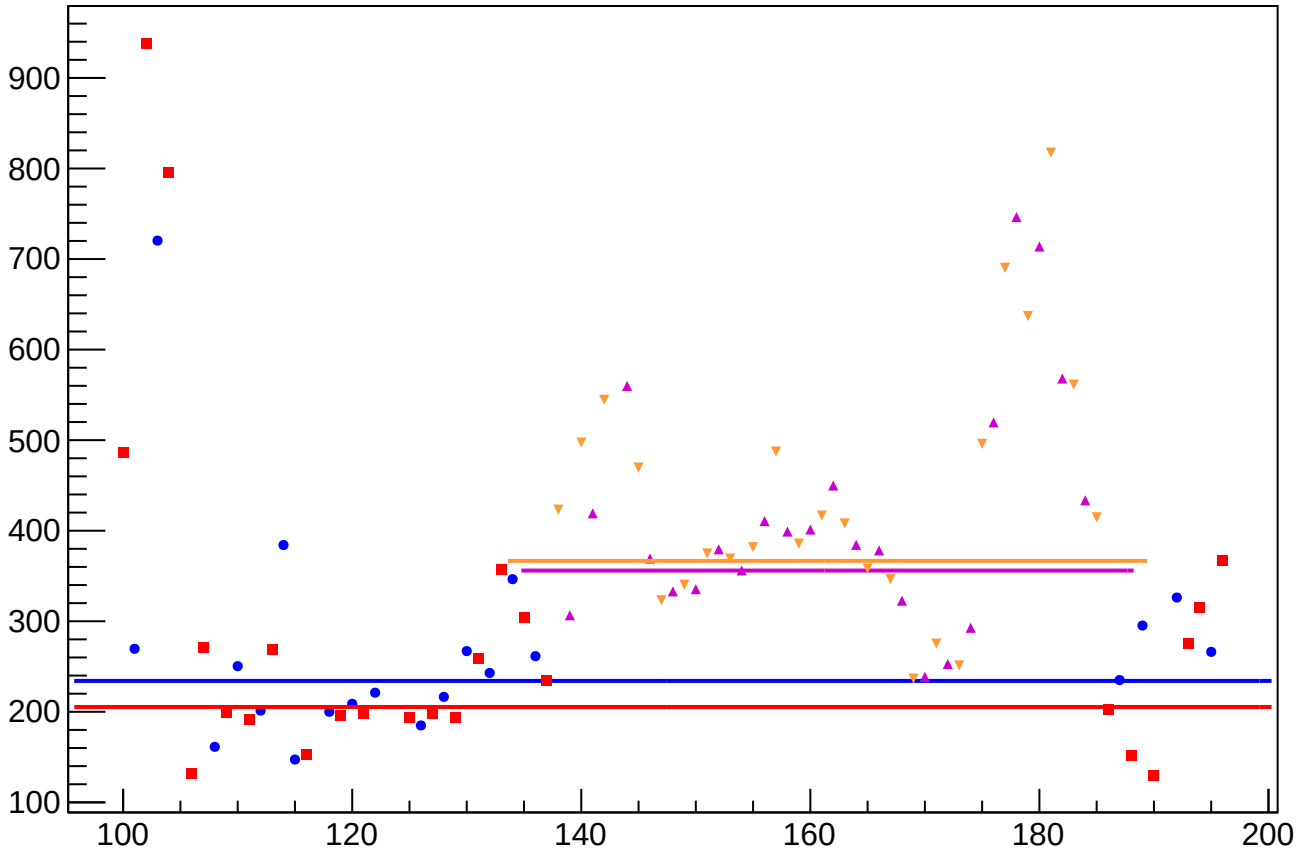
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.009+/-0.040 χ^2/NDF: 117.1/90

\- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

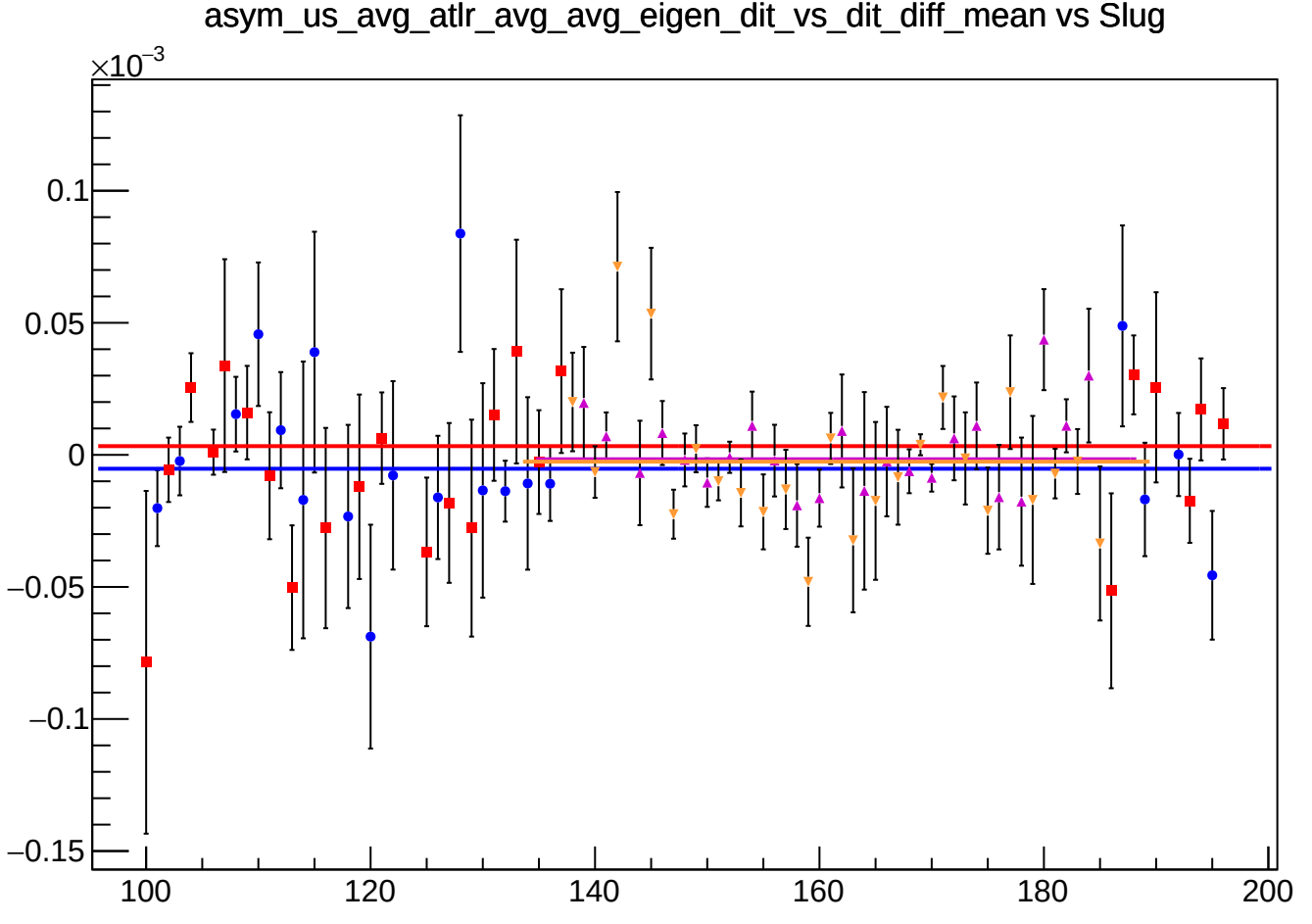
Right Out: 205.330+/-0.048 χ^2/NDF: 2538880.9/23

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.473+/-0.042 χ^2/NDF: 6505681.1/43

All: 275.424+/-0.028 χ^2/NDF: 15441830.5/90

- sign 261.765+/-0.038 χ^2/NDF: 8645435.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

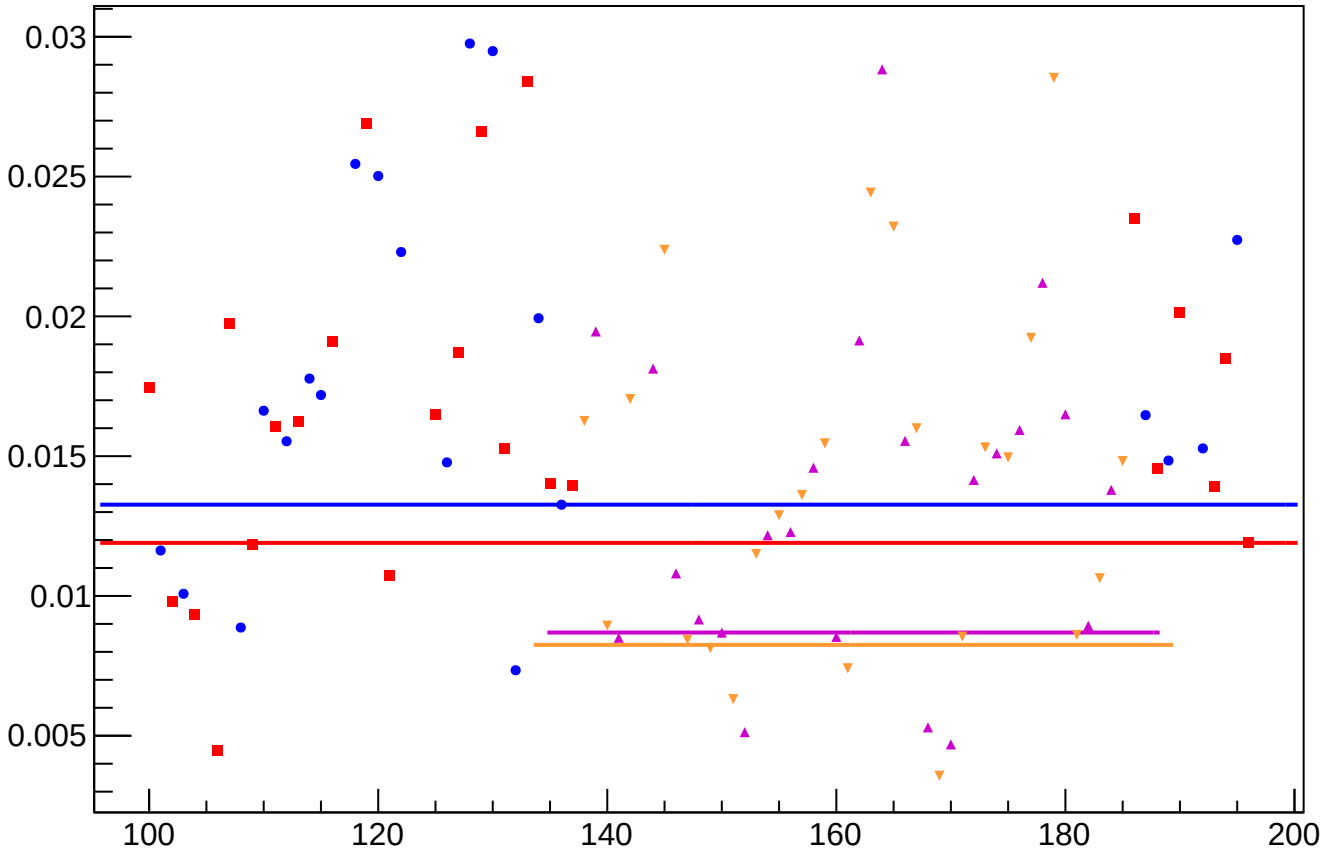
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/23

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/43

All: -0.000+/-0.000 χ^2/NDF: 113.3/90

- sign -0.000+/-0.000 χ^2/NDF: 47.8/46



Right In: 0.013+/-0.000 χ^2/NDF: 2520524.0/19

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

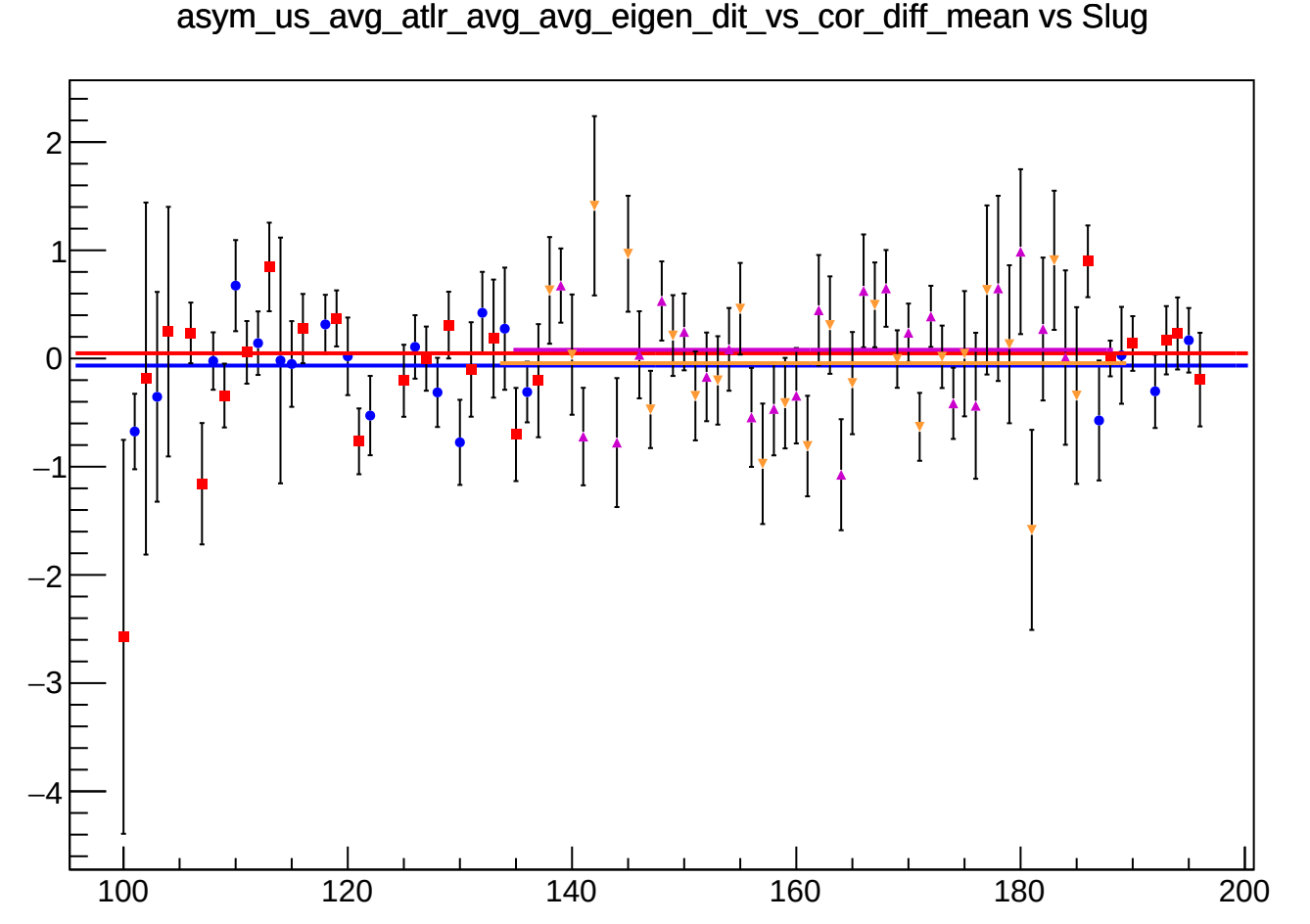
Right Out: 0.012+/-0.000 χ^2/NDF: 3735671.0/23

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 13313049.8/43

All: 0.009+/-0.000 χ^2/NDF: 24938548.1/90

- sign 0.010+/-0.000 χ^2/NDF: 11600865.6/46



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

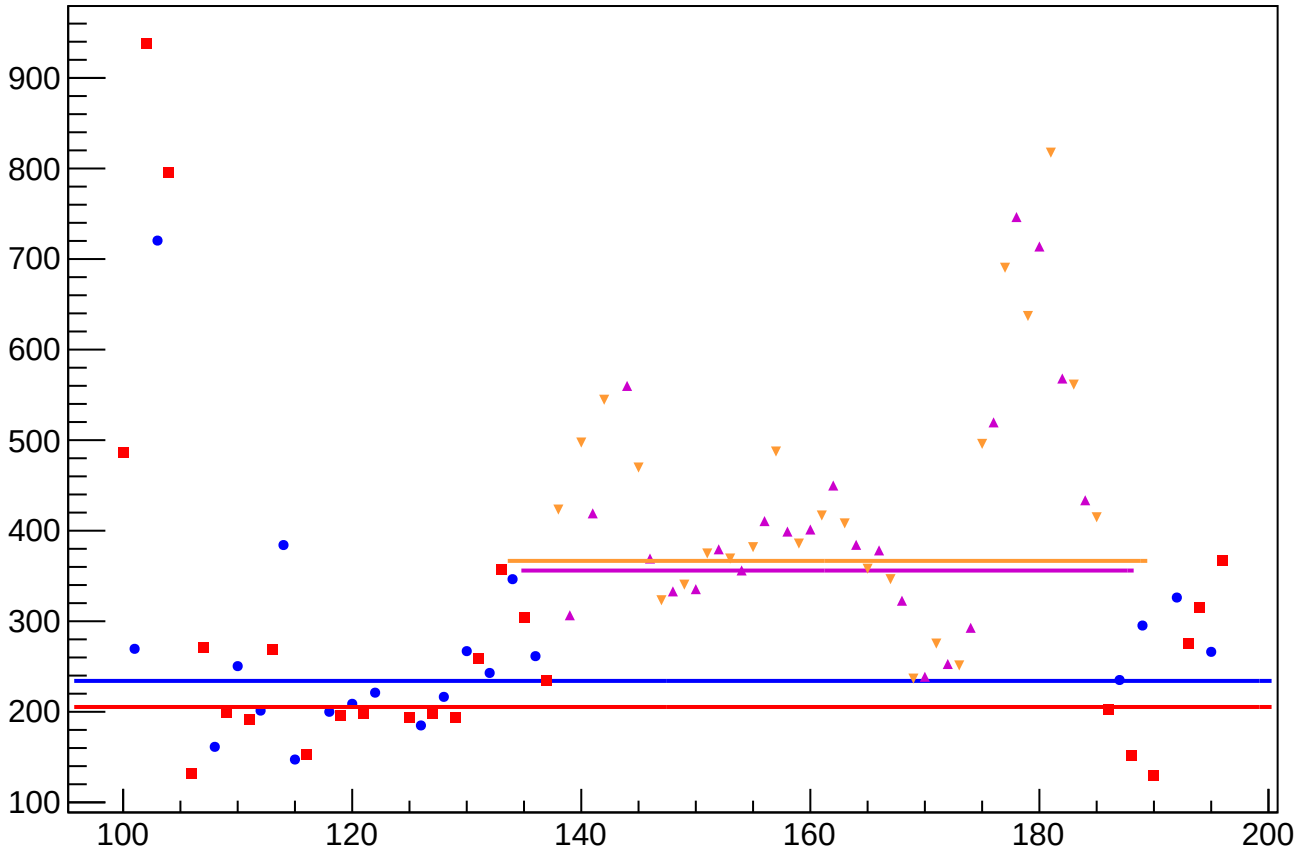
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.009+/-0.040 χ^2/NDF: 117.1/90

- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

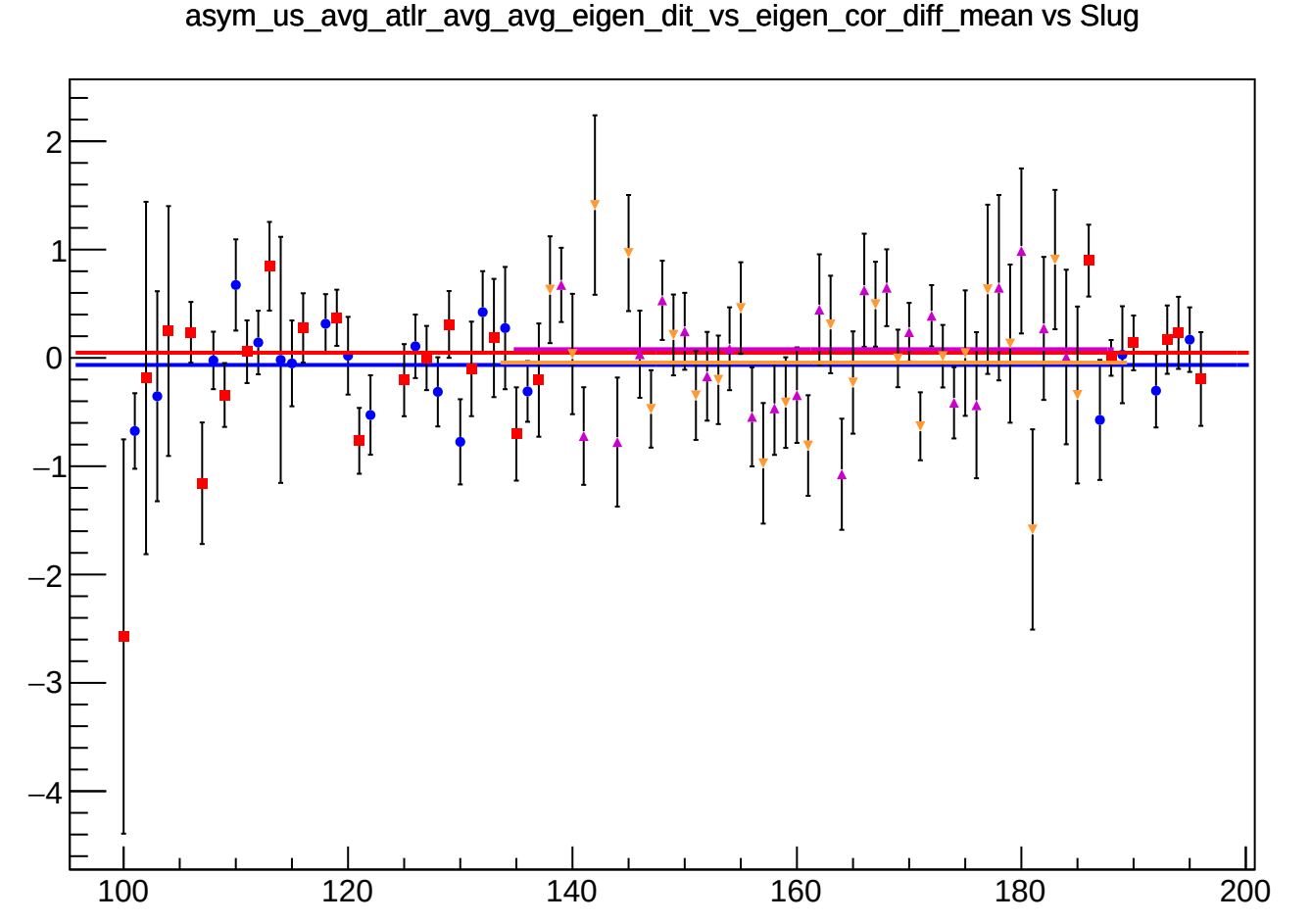
Right Out: 205.326+/-0.048 χ^2/NDF: 2538893.9/23

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.472+/-0.042 χ^2/NDF: 6505964.8/43

All: 275.422+/-0.028 χ^2/NDF: 15442561.4/90

- sign 261.763+/-0.038 χ^2/NDF: 8645853.7/46



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

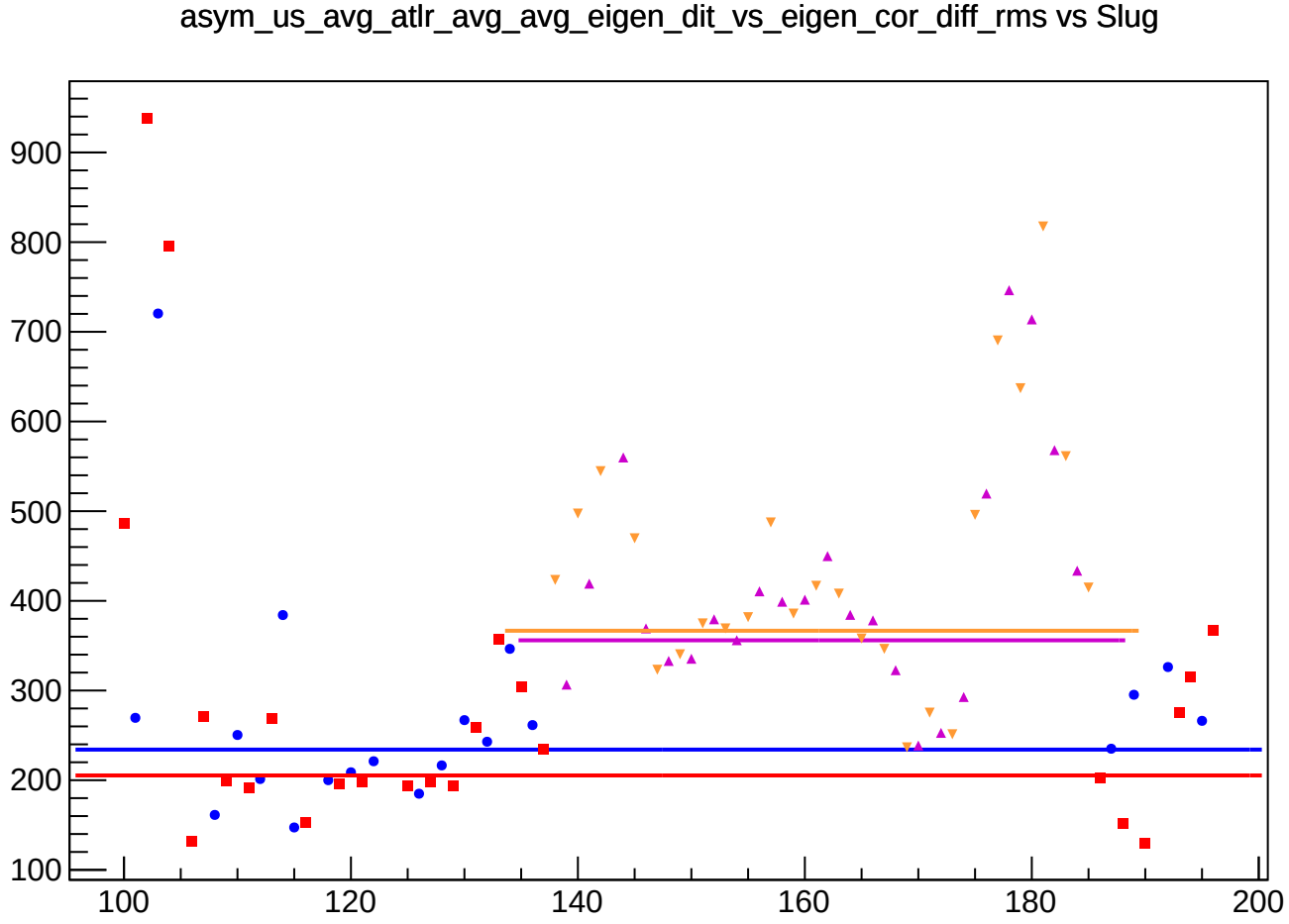
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.009+/-0.040 χ^2/NDF: 117.1/90

- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

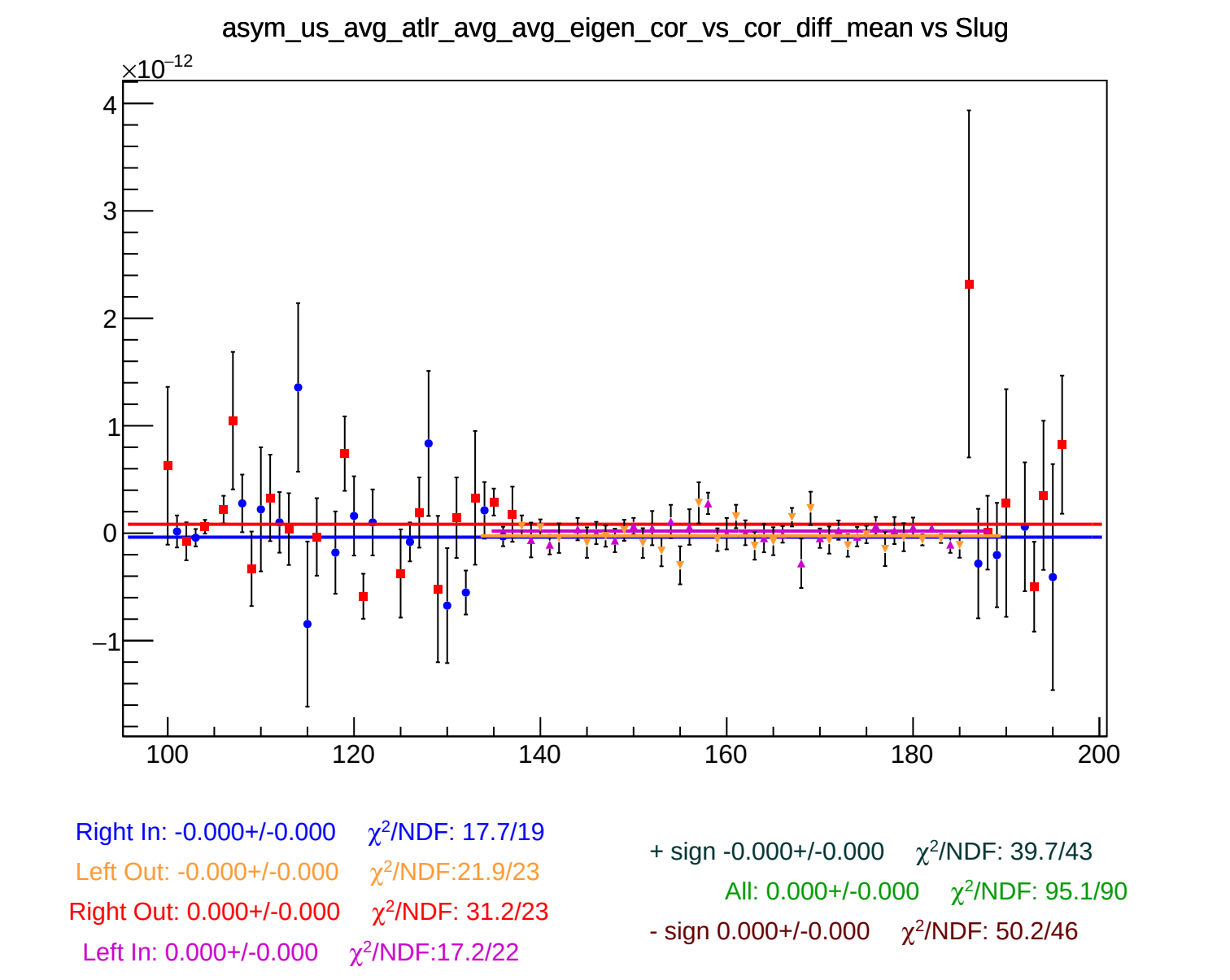
Right Out: 205.326+/-0.048 χ^2/NDF: 2538893.9/23

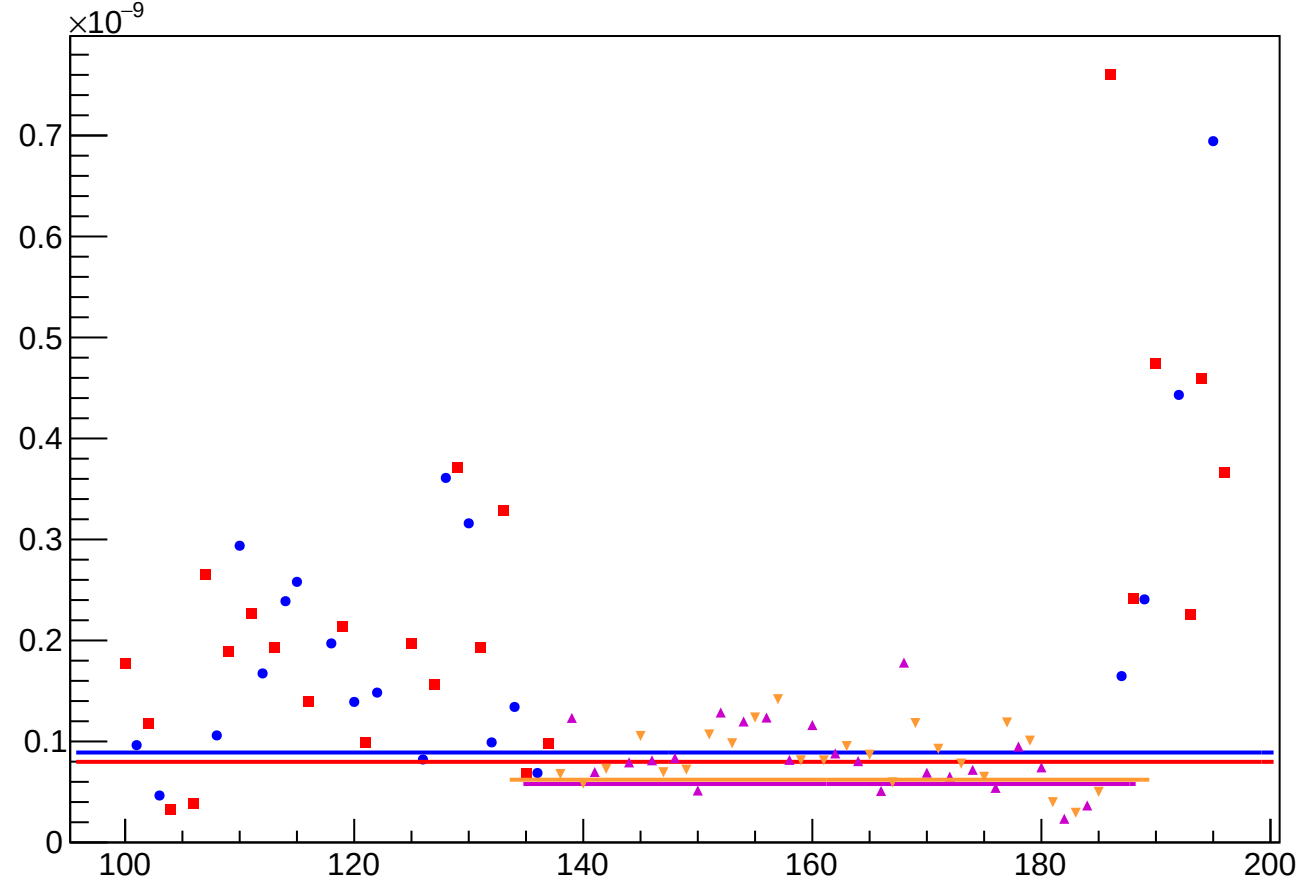
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.472+/-0.042 χ^2/NDF: 6505964.8/43

All: 275.422+/-0.028 χ^2/NDF: 15442561.4/90

- 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: 17.7/19
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: 39.7/43
All: 0.000+/-0.000 χ²/NDF: 95.1/90
- sign 0.000+/-0.000 χ²/NDF: 50.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 3860693.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6134366.8/23

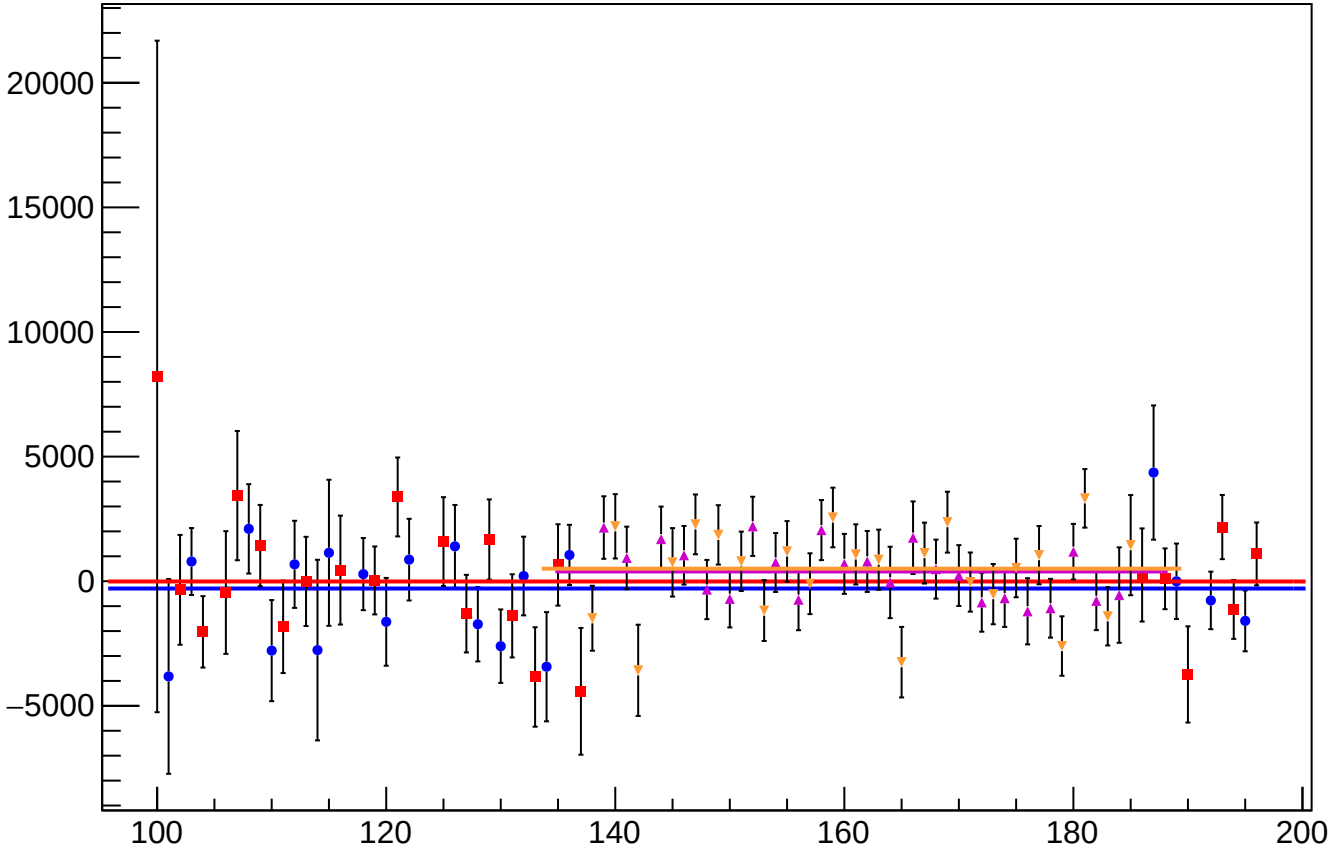
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8533987.3/43

All: 0.000+/-0.000 χ^2/NDF: 20692344.0/90

- sign 0.000+/-0.000 χ^2/NDF: 12080152.2/46

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -292.842+/-367.005 χ^2/NDF: 19.1/19

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.887+/-341.782 χ^2/NDF: 29.0/23

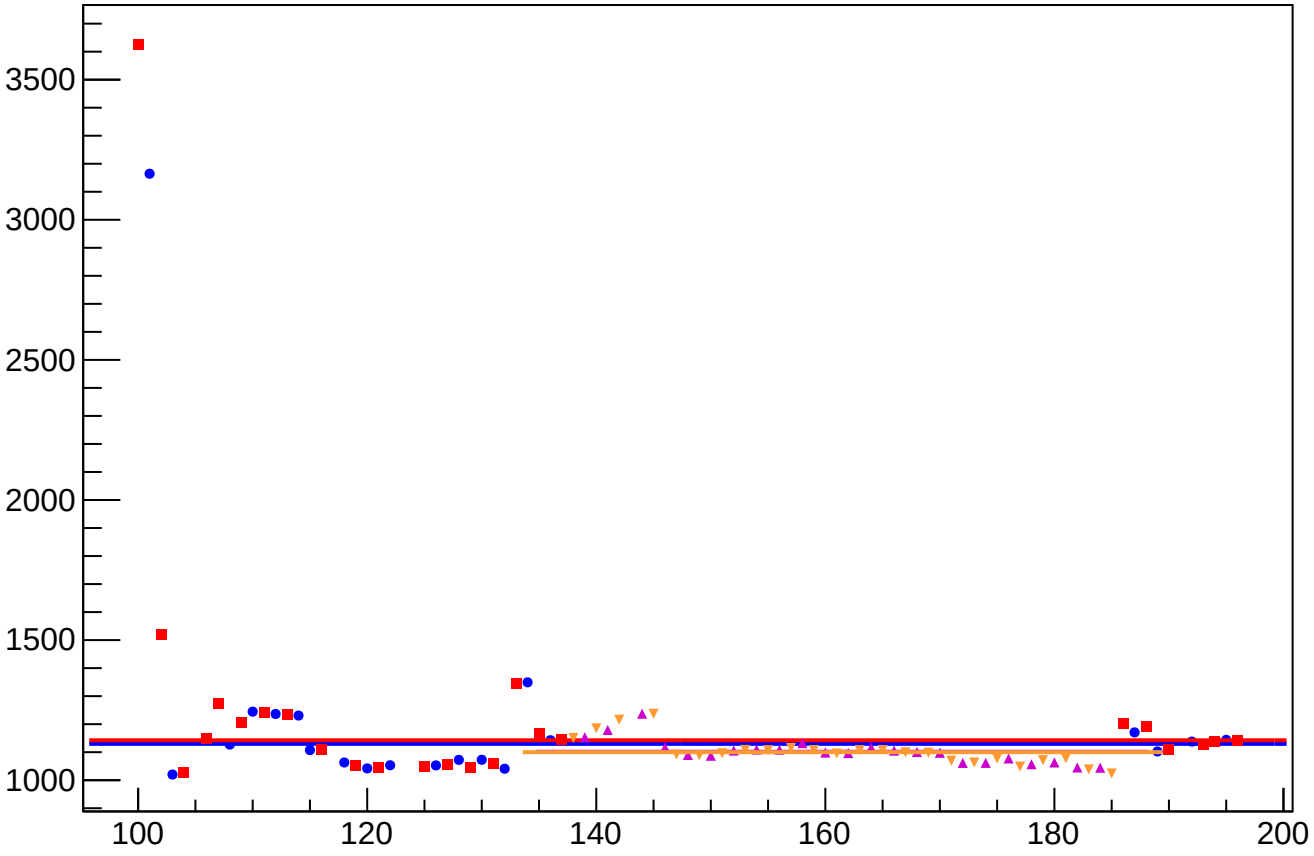
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

\+ sign 243.567+/-209.707 χ^2/NDF: 66.9/43

All: 244.997+/-146.814 χ^2/NDF: 114.5/90

\- sign 246.372+/-205.605 χ^2/NDF: 47.7/46

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.741+/-0.260 χ^2/NDF: 622908.3/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

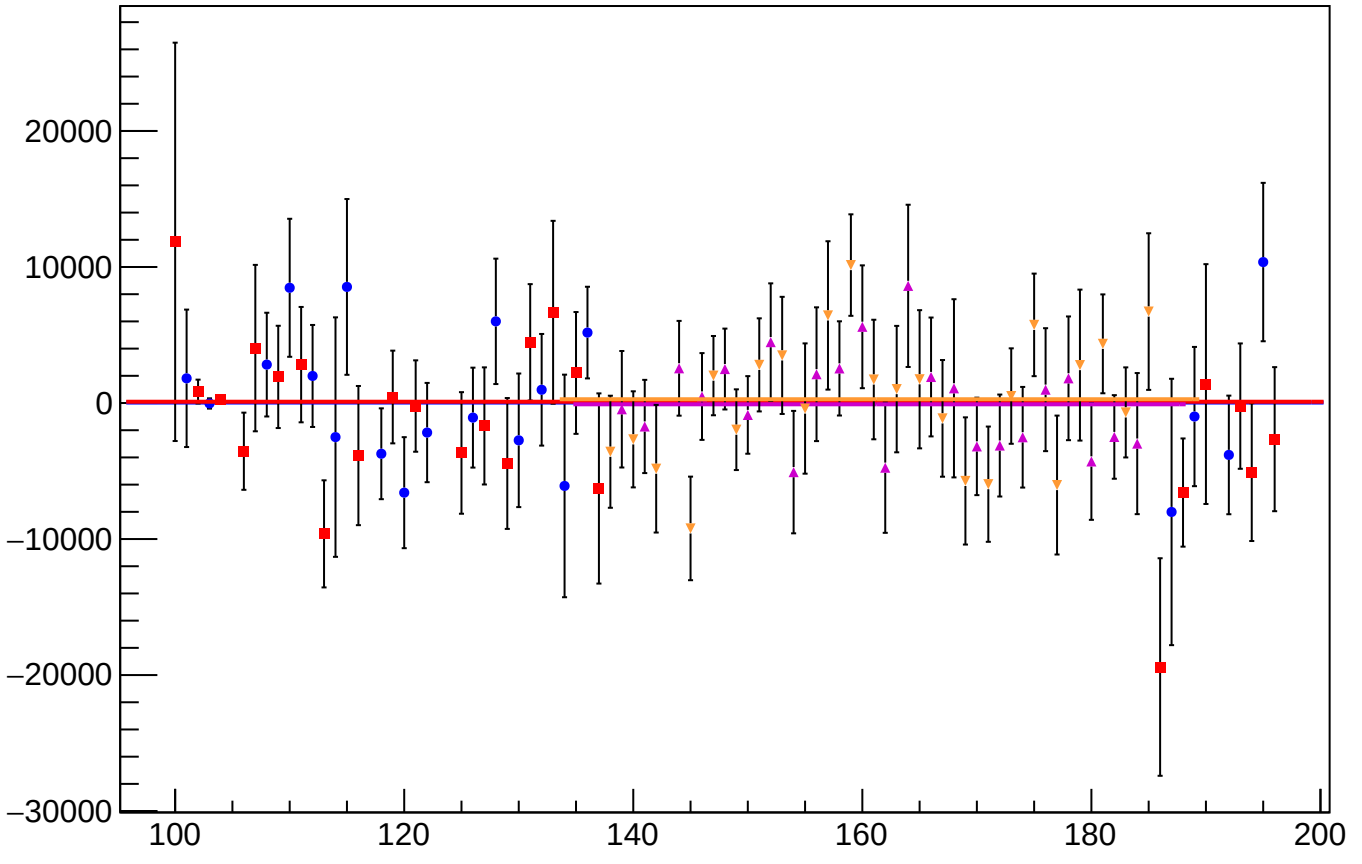
Right Out: 1142.433+/-0.241 χ^2/NDF: 226666.6/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690450.5/43

All: 1113.120+/-0.104 χ^2/NDF: 988578.8/90

- sign 1116.354+/-0.145 χ^2/NDF: 297117.7/46



Right In: 35.582+/-354.699 χ^2/NDF: 19.5/19

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

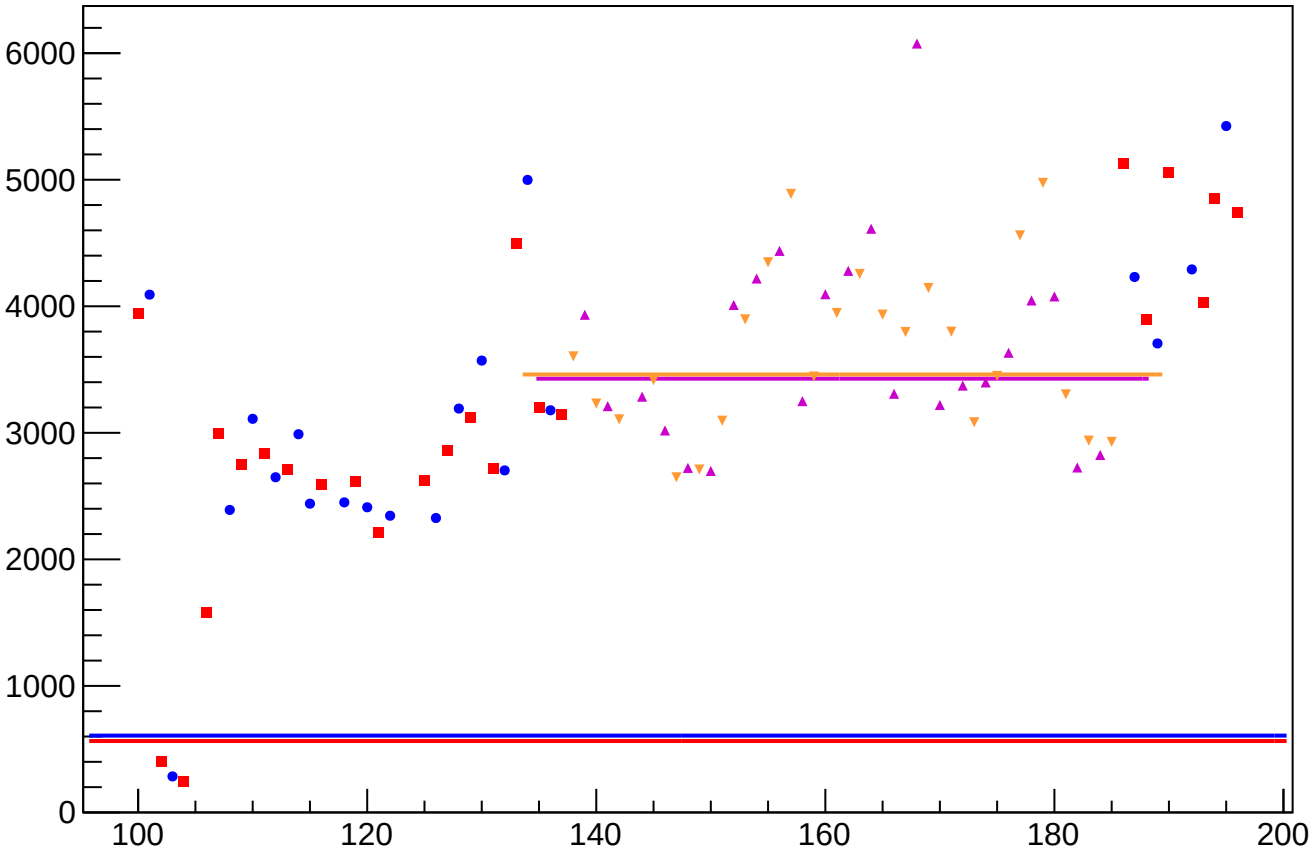
Right Out: 94.970+/-319.022 χ^2/NDF: 25.8/23

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 73.674+/-325.579 χ^2/NDF: 49.4/43

All: 71.606+/-219.493 χ^2/NDF: 89.0/90

- sign 69.883+/-297.181 χ^2/NDF: 39.6/46



Right In: 607.263+/-0.251 χ^2/NDF: 13548605.7/19

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 564.434+/-0.226 χ^2/NDF: 15705968.2/23

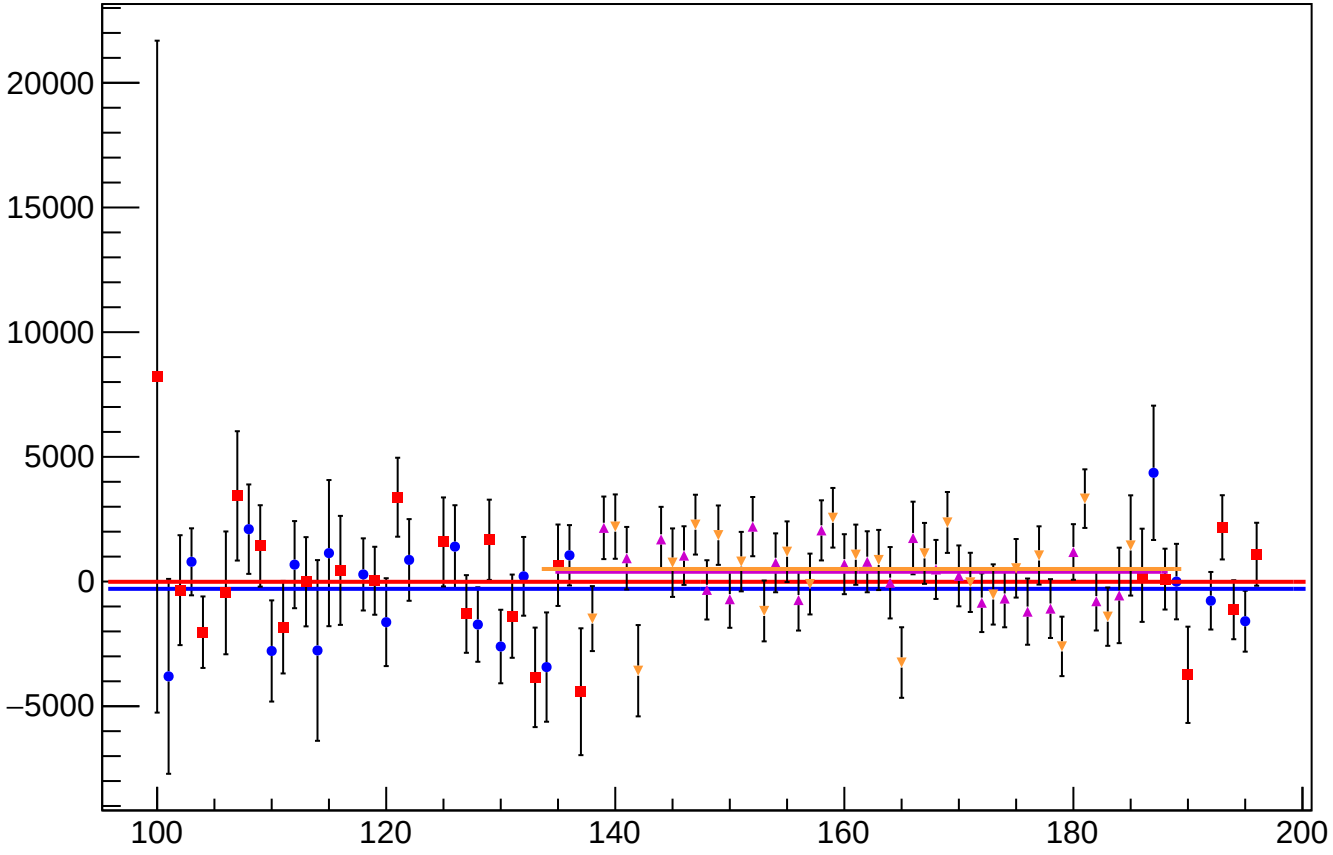
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1056.637+/-0.230 χ^2/NDF: 34995160.3/43

All: 994.697+/-0.155 χ^2/NDF: 73383890.7/90

- sign 943.091+/-0.210 χ^2/NDF: 38256035.5/46

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -292.711+/-367.005 χ^2/NDF: 19.1/19

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.975+/-341.782 χ^2/NDF: 29.0/23

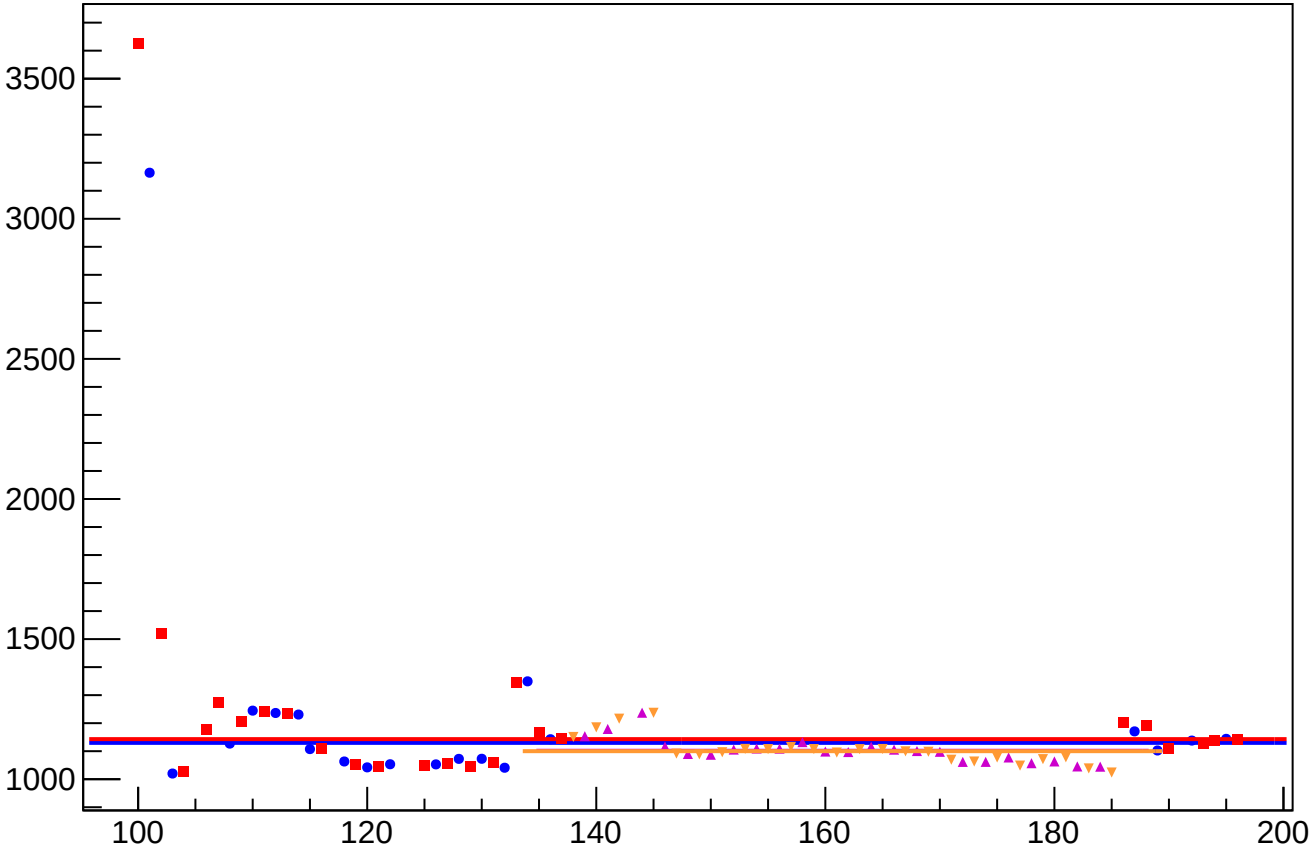
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 243.659+/-209.707 χ^2/NDF: 66.9/43

All: 245.022+/-146.814 χ^2/NDF: 114.5/90

- sign 246.332+/-205.605 χ^2/NDF: 47.7/46

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.741+/-0.260 χ^2/NDF: 622909.4/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

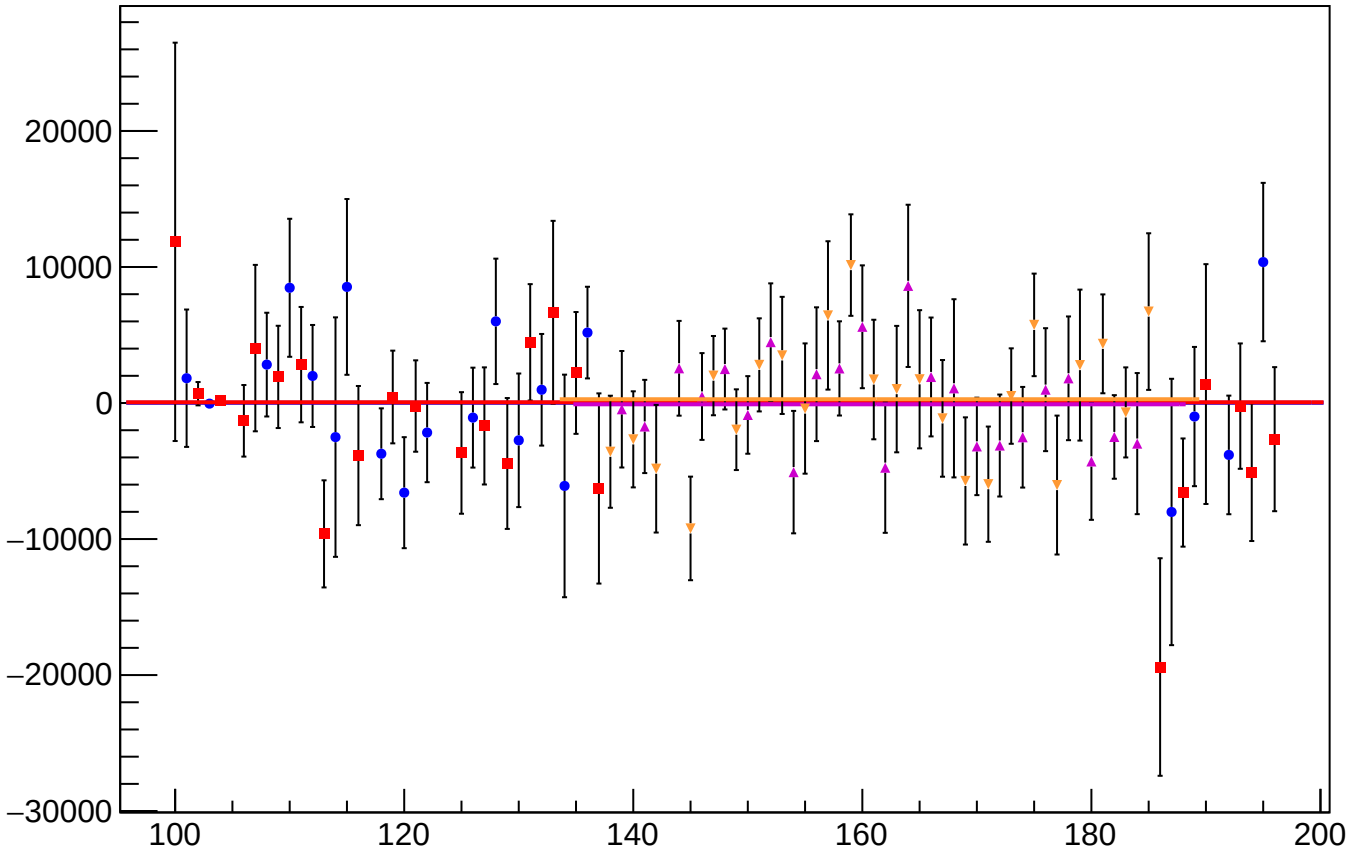
Right Out: 1143.045+/-0.242 χ^2/NDF: 227096.0/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690451.5/43

All: 1113.224+/-0.104 χ^2/NDF: 989606.2/90

- sign 1116.560+/-0.145 χ^2/NDF: 298080.1/46



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

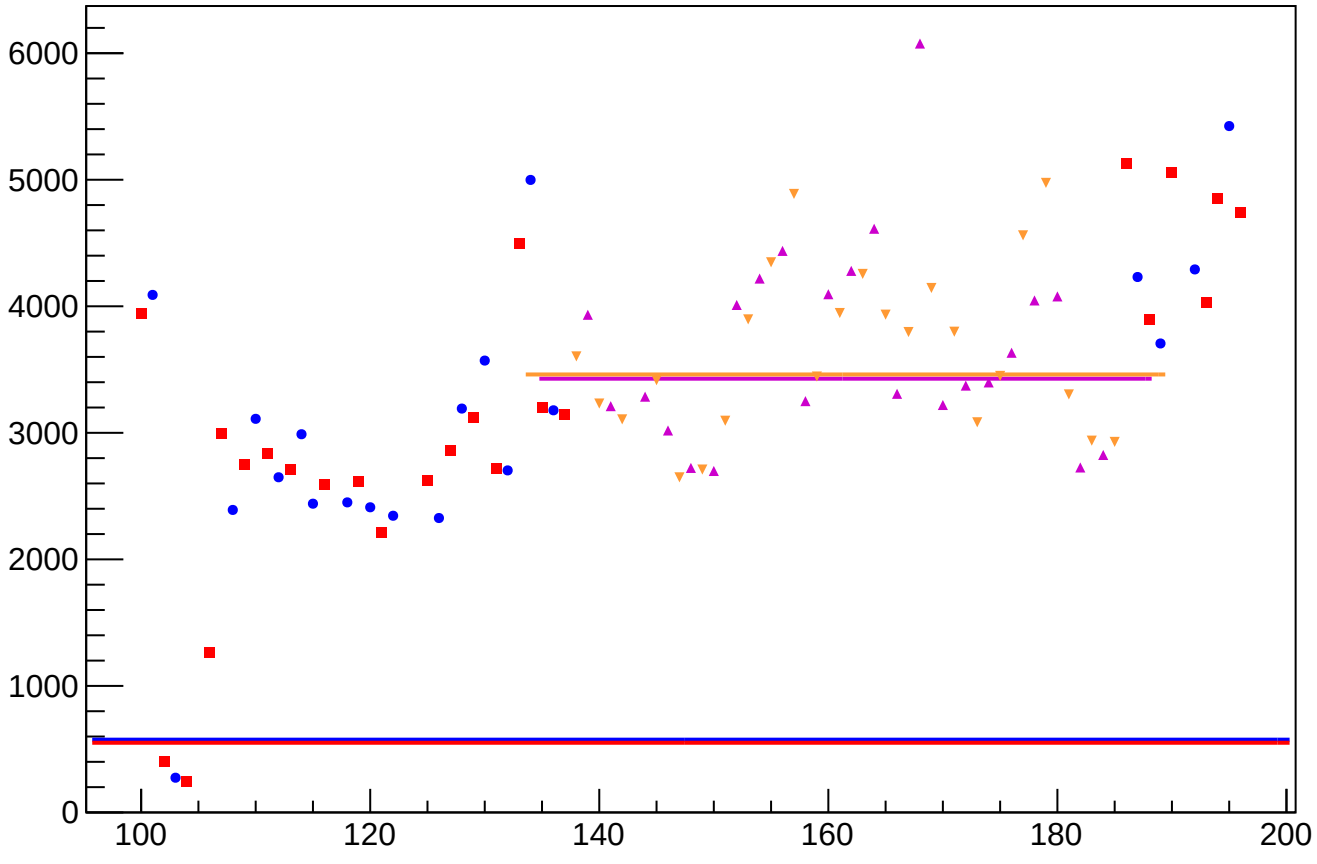
Right Out: 53.840+/-314.010 χ^2/NDF: 24.1/23

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 57.564+/-315.584 χ^2/NDF: 49.5/43

All: 45.303+/-214.769 χ^2/NDF: 87.3/90

- sign 34.726+/-293.116 χ^2/NDF: 37.8/46



Right In: 575.187+/-0.242 χ^2/NDF: 13760215.2/19

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

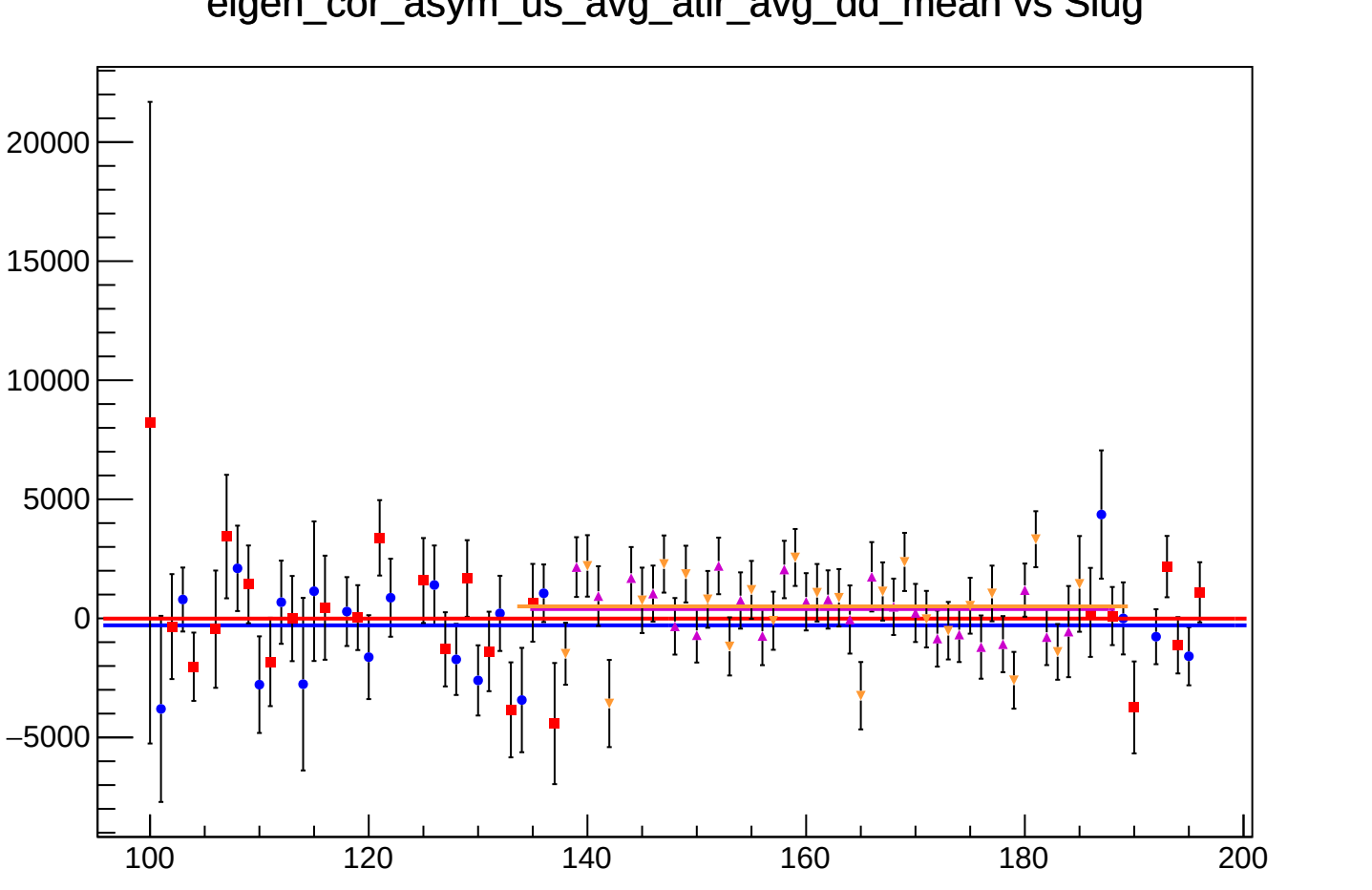
Right Out: 550.820+/-0.222 χ^2/NDF: 15670384.4/23

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1002.138+/-0.223 χ^2/NDF: 35903181.1/43

All: 958.548+/-0.152 χ^2/NDF: 74486825.6/90

- sign 920.943+/-0.207 χ^2/NDF: 38512568.0/46



Right In: -292.711+/-367.005 χ^2/NDF: 19.1/19

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.975+/-341.782 χ^2/NDF: 29.0/23

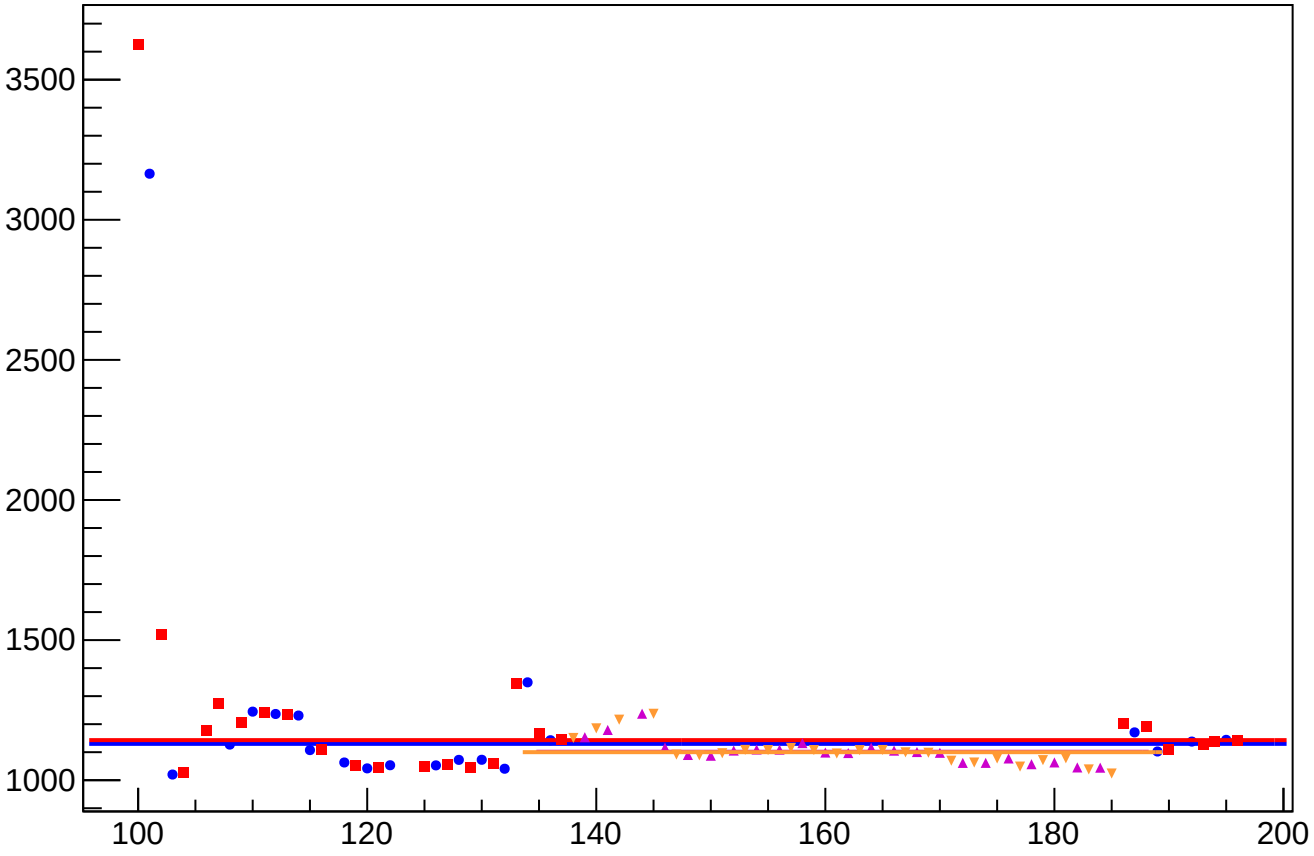
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 243.659+/-209.707 χ^2/NDF: 66.9/43

All: 245.022+/-146.814 χ^2/NDF: 114.5/90

- sign 246.332+/-205.605 χ^2/NDF: 47.7/46

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.741+/-0.260 χ^2/NDF: 622909.4/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

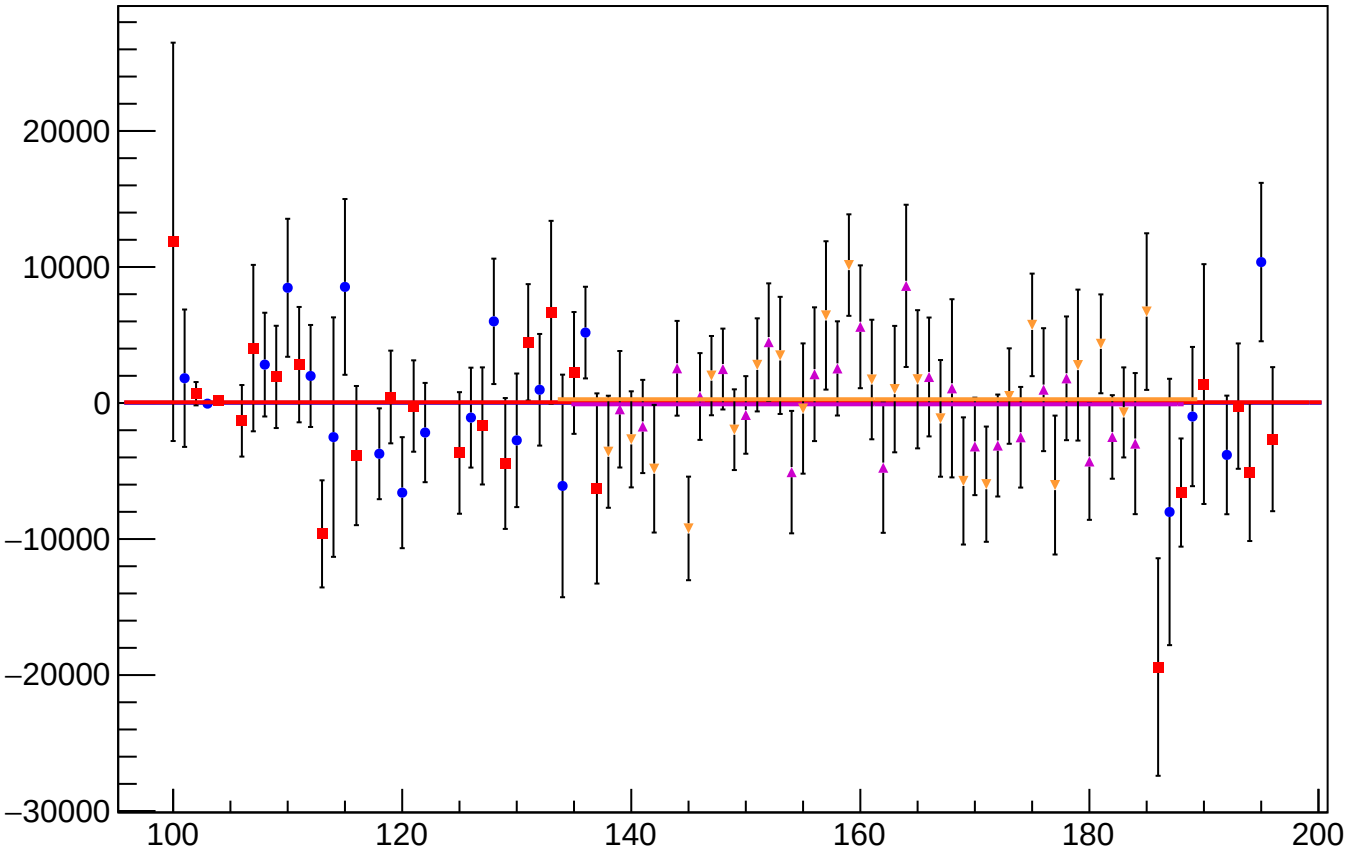
Right Out: 1143.045+/-0.242 χ^2/NDF: 227096.0/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690451.5/43

All: 1113.224+/-0.104 χ^2/NDF: 989606.2/90

- sign 1116.560+/-0.145 χ^2/NDF: 298080.1/46



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

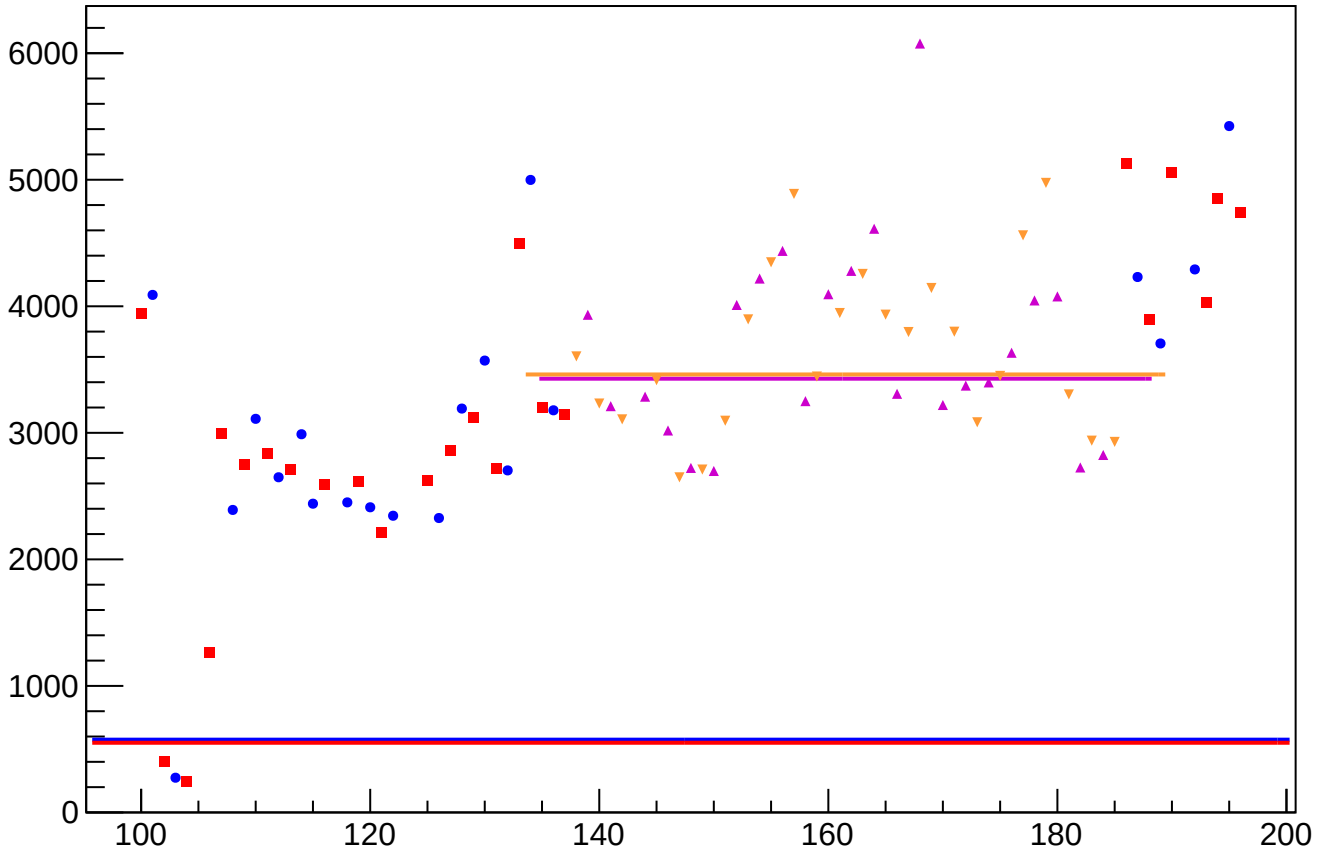
Right Out: 53.840+/-314.010 χ^2/NDF: 24.1/23

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 57.564+/-315.584 χ^2/NDF: 49.5/43

All: 45.303+/-214.769 χ^2/NDF: 87.3/90

- sign 34.726+/-293.116 χ^2/NDF: 37.8/46



Right In: 575.187+/-0.242 χ^2/NDF: 13760215.2/19

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 550.820+/-0.222 χ^2/NDF: 15670384.4/23

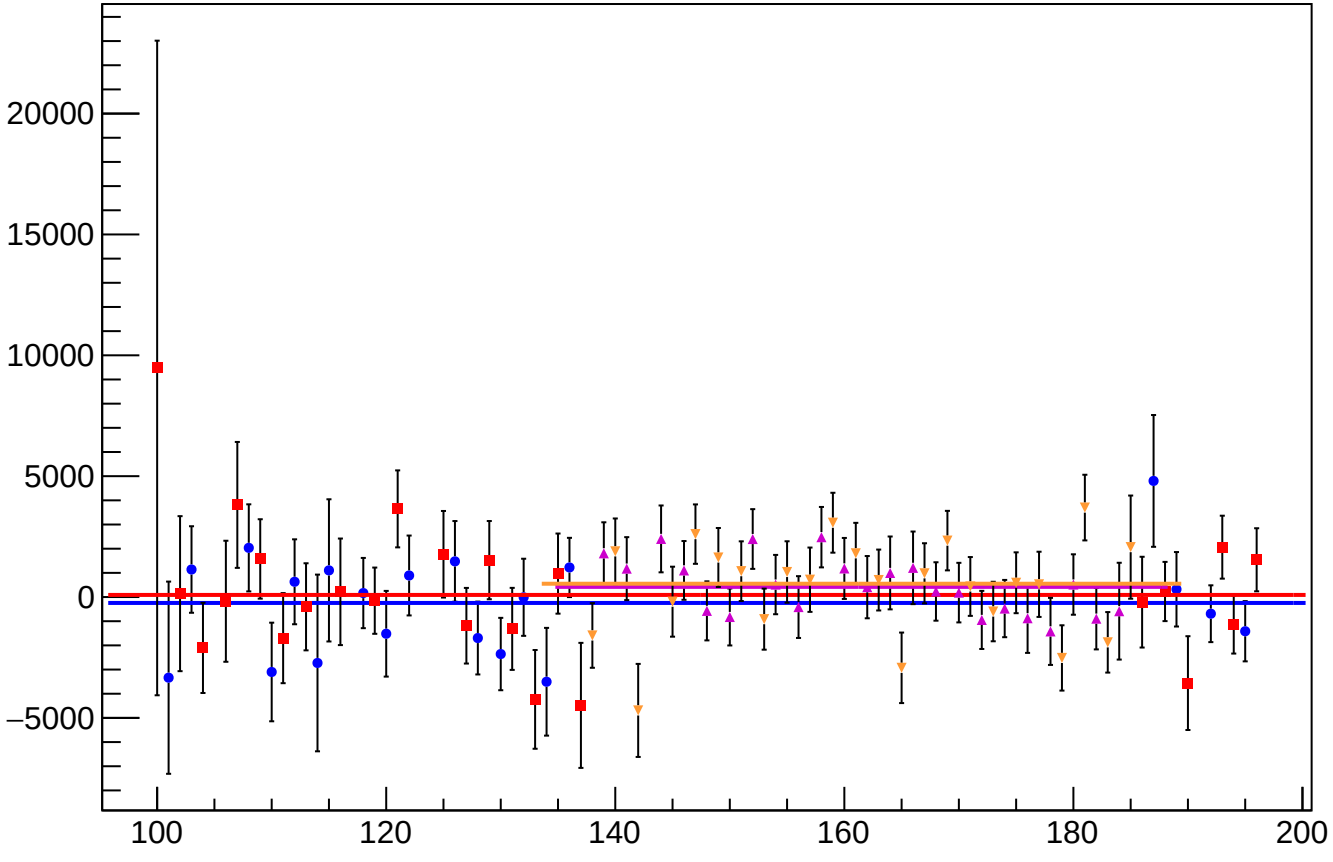
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1002.138+/-0.223 χ^2/NDF: 35903181.1/43

All: 958.548+/-0.152 χ^2/NDF: 74486825.6/90

- sign 920.943+/-0.207 χ^2/NDF: 38512568.0/46

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -244.297+/-377.235 χ^2/NDF: 18.9/19

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 87.251+/-351.610 χ^2/NDF: 29.8/23

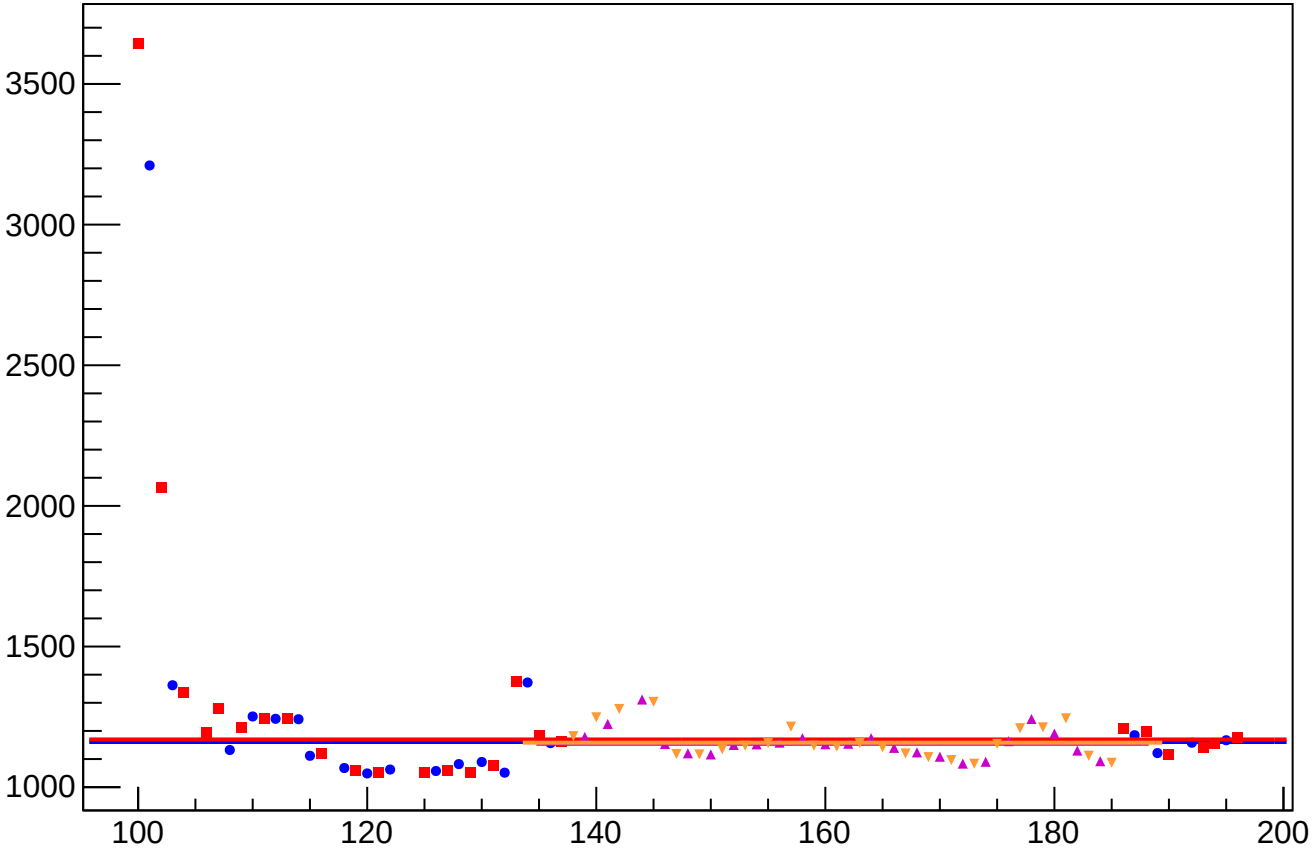
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 282.421+/-219.130 χ^2/NDF: 67.1/43

All: 290.046+/-153.122 χ^2/NDF: 115.5/90

- sign 297.321+/-214.054 χ^2/NDF: 48.4/46

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.653+/-0.267 χ^2/NDF: 636921.9/19

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.687+/-0.249 χ^2/NDF: 336478.4/23

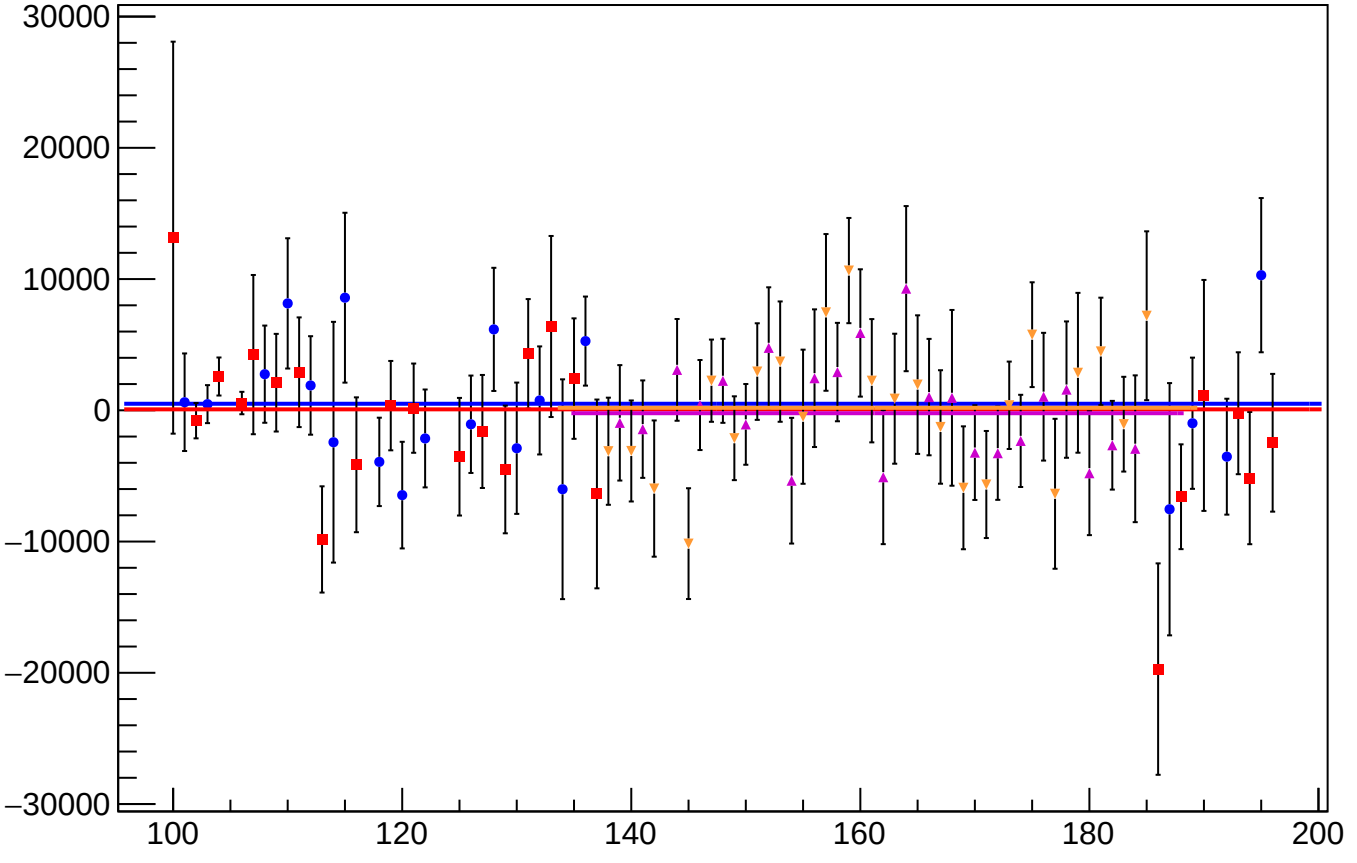
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.012+/-0.155 χ^2/NDF: 721090.8/43

All: 1159.498+/-0.108 χ^2/NDF: 1126498.7/90

- sign 1159.961+/-0.151 χ^2/NDF: 405388.7/46

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 499.484+/-833.388 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

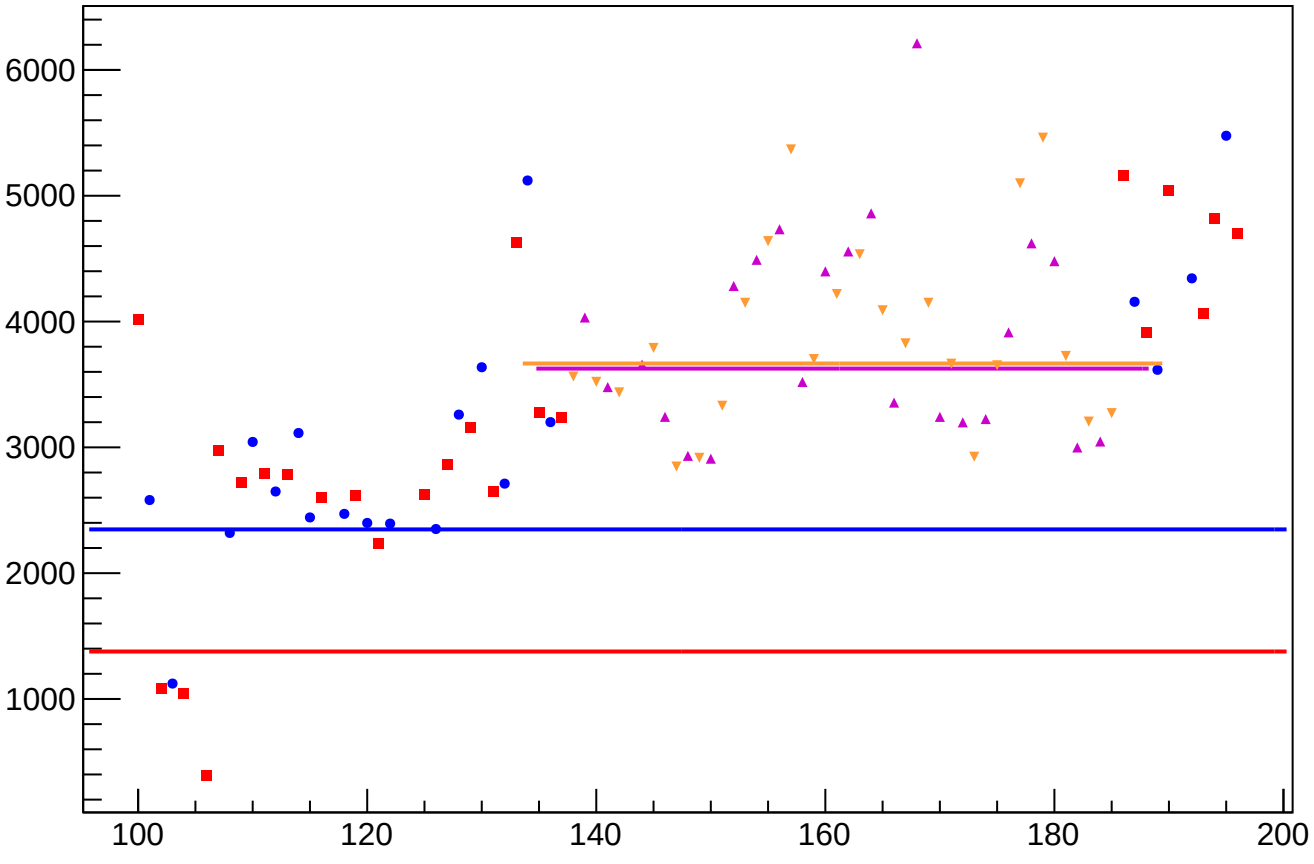
Right Out: 73.281+/-547.497 χ^2/NDF: 27.2/23

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

\+ sign 351.163+/-601.633 χ^2/NDF: 48.1/43

All: 123.539+/-366.717 χ^2/NDF: 89.0/90

\- sign -11.027+/-462.583 χ^2/NDF: 40.6/46



Right In: 2347.809+/-0.589 χ^2/NDF: 3255938.4/19

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1377.280+/-0.387 χ^2/NDF: 10084307.3/23

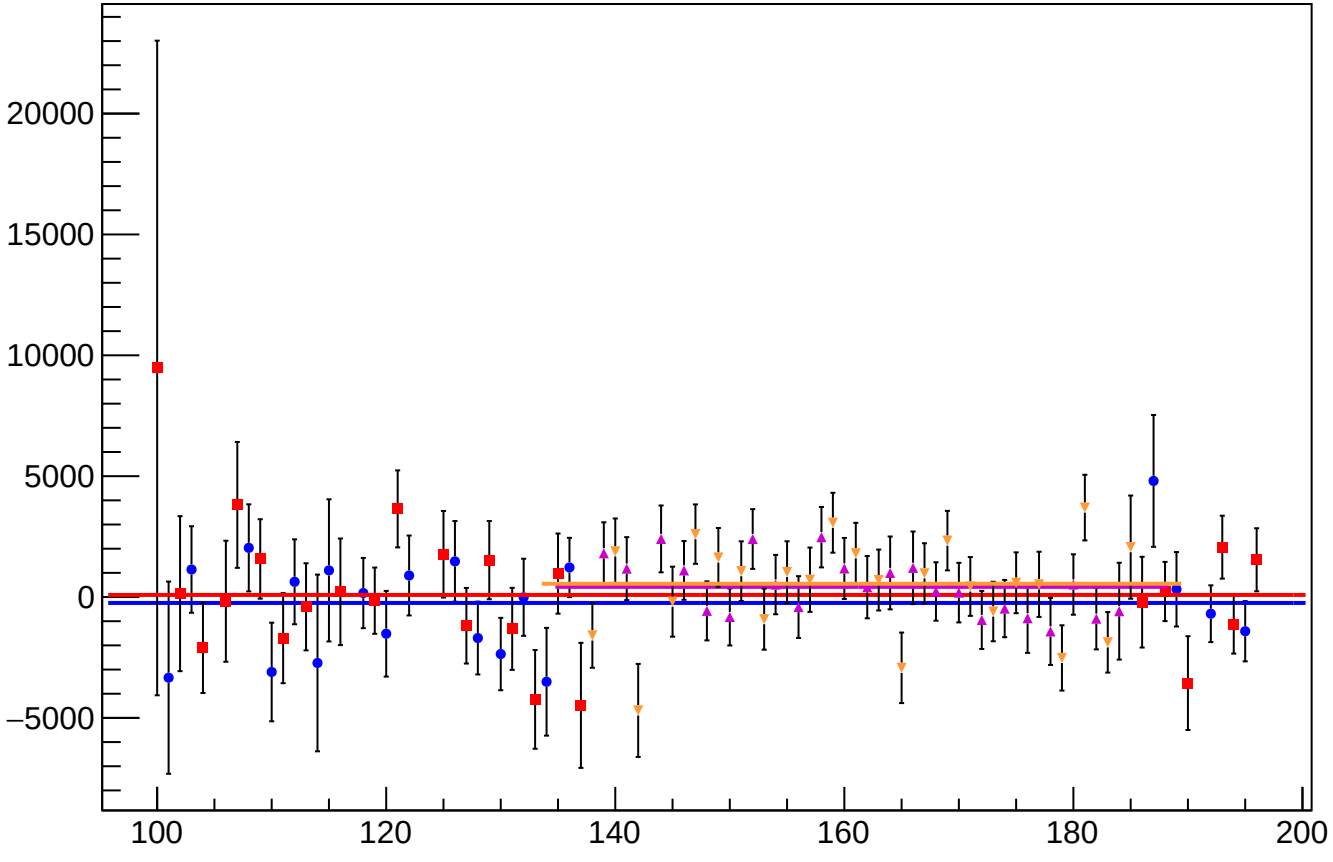
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2979.271+/-0.425 χ^2/NDF: 6749703.9/43

All: 2376.843+/-0.259 χ^2/NDF: 30936235.6/9

- sign 2020.703+/-0.327 χ^2/NDF: 20995771.7/46

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -244.296+/-377.235 χ^2/NDF: 18.9/19

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 87.253+/-351.610 χ^2/NDF: 29.8/23

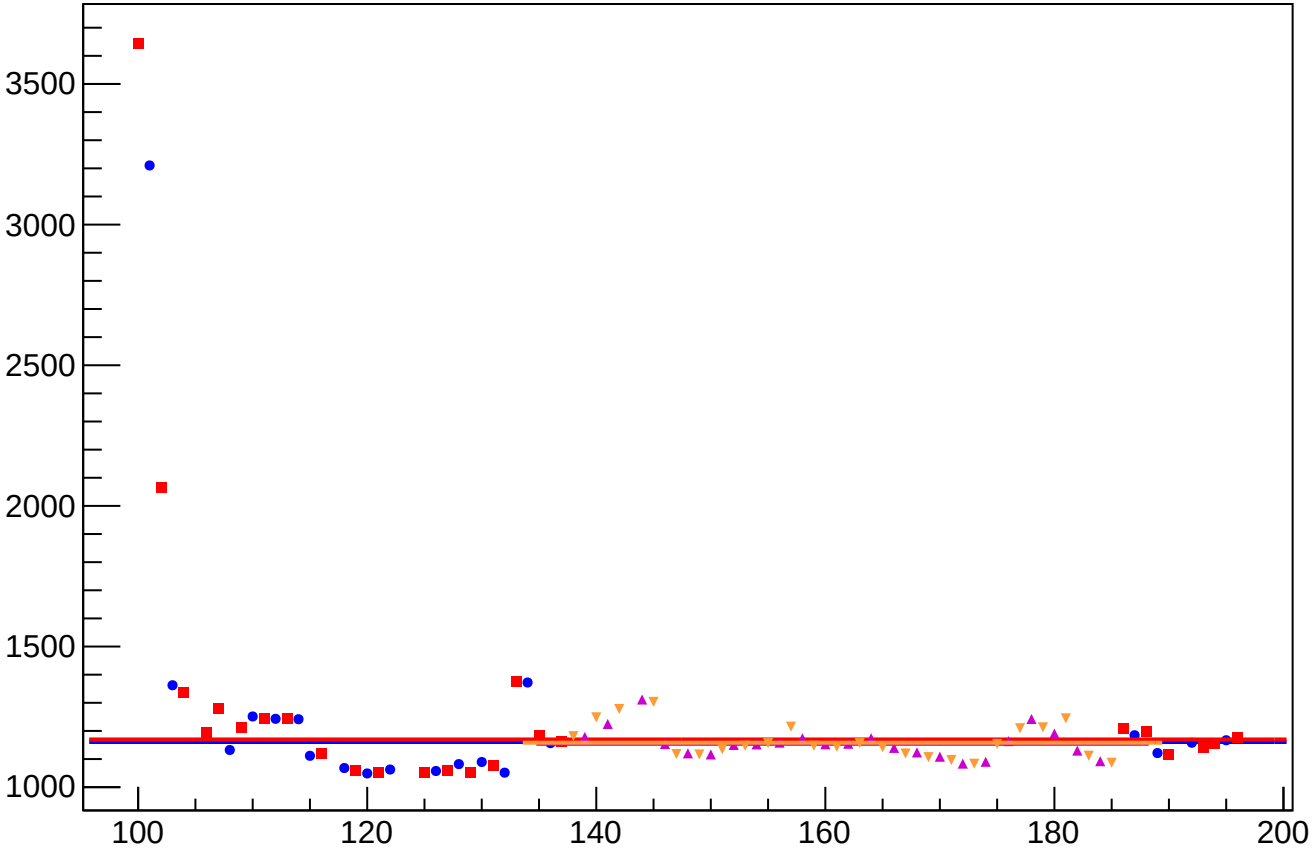
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 282.422+/-219.130 χ^2/NDF: 67.1/43

All: 290.046+/-153.122 χ^2/NDF: 115.5/90

- sign 297.321+/-214.054 χ^2/NDF: 48.4/46

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.653+/-0.267 χ^2/NDF: 636922.2/19

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

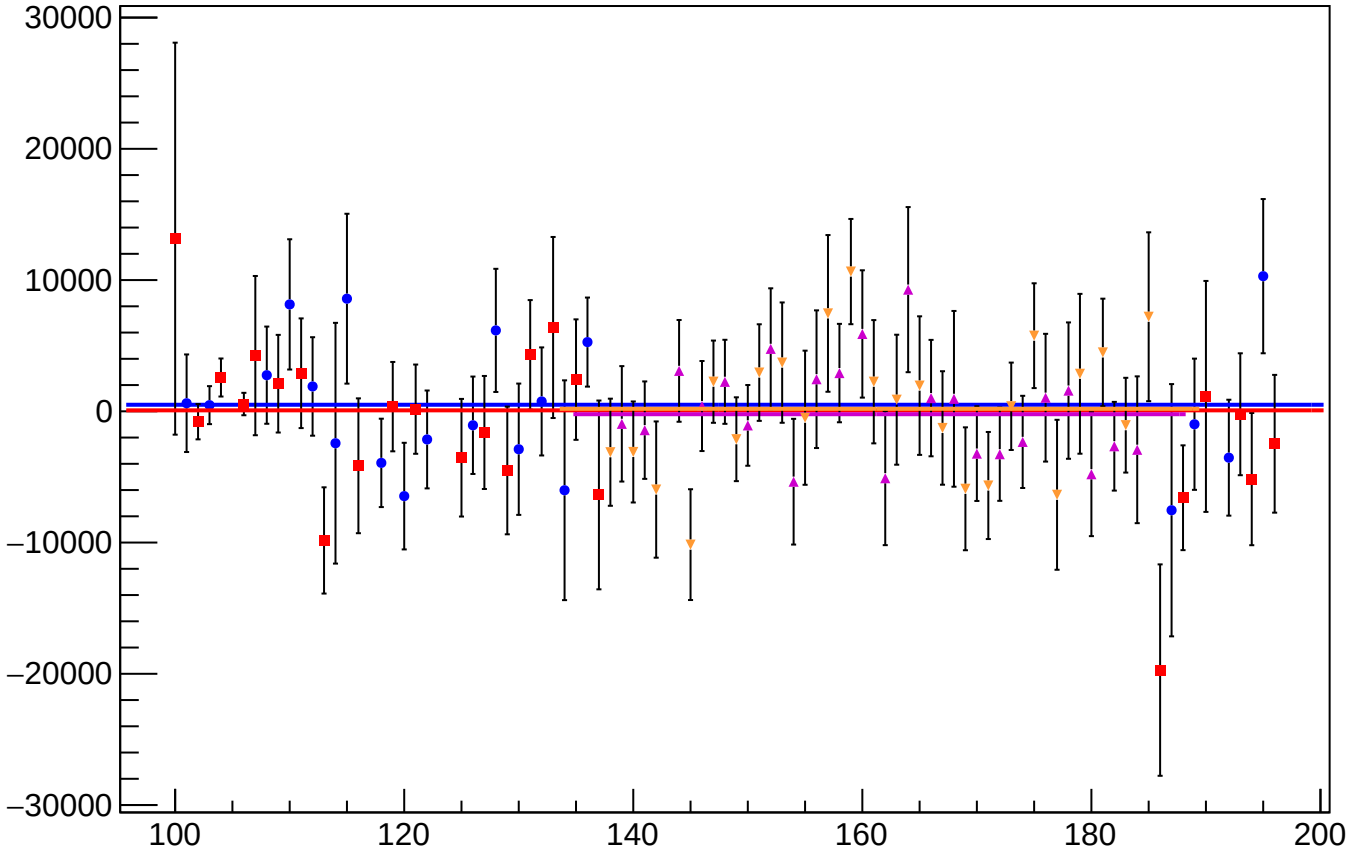
Right Out: 1169.687+/-0.249 χ^2/NDF: 336478.1/23

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.013+/-0.155 χ^2/NDF: 721093.5/43

All: 1159.499+/-0.108 χ^2/NDF: 1126503.2/90

- sign 1159.962+/-0.151 χ^2/NDF: 405390.5/46



Right In: 499.478+/-833.387 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

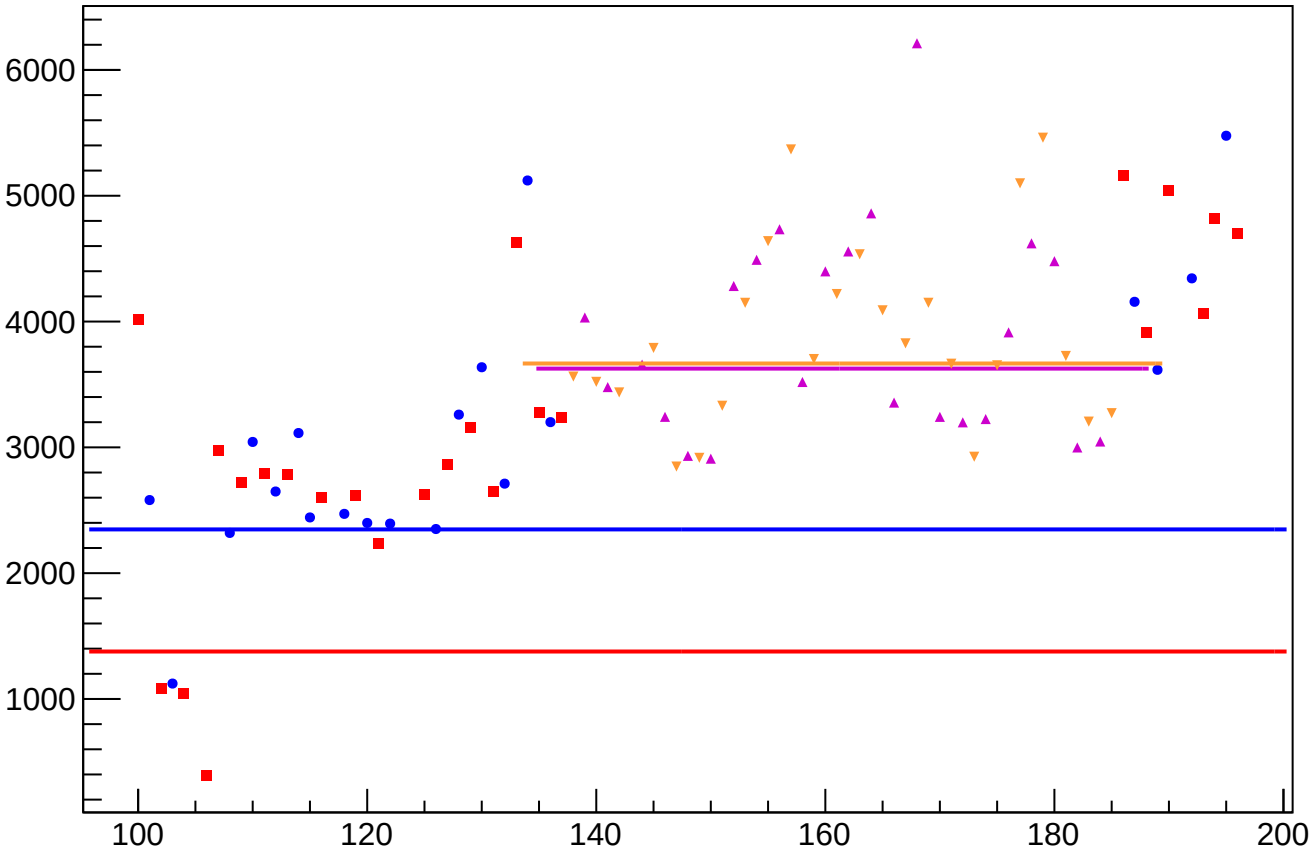
Right Out: 73.289+/-547.491 χ^2/NDF: 27.2/23

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 351.160+/-601.633 χ^2/NDF: 48.1/43

All: 123.541+/-366.715 χ^2/NDF: 89.0/90

- sign -11.020+/-462.579 χ^2/NDF: 40.6/46



Right In: 2347.806+/-0.589 χ^2/NDF: 3255943.7/19

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1377.254+/-0.387 χ^2/NDF: 10084503.6/23

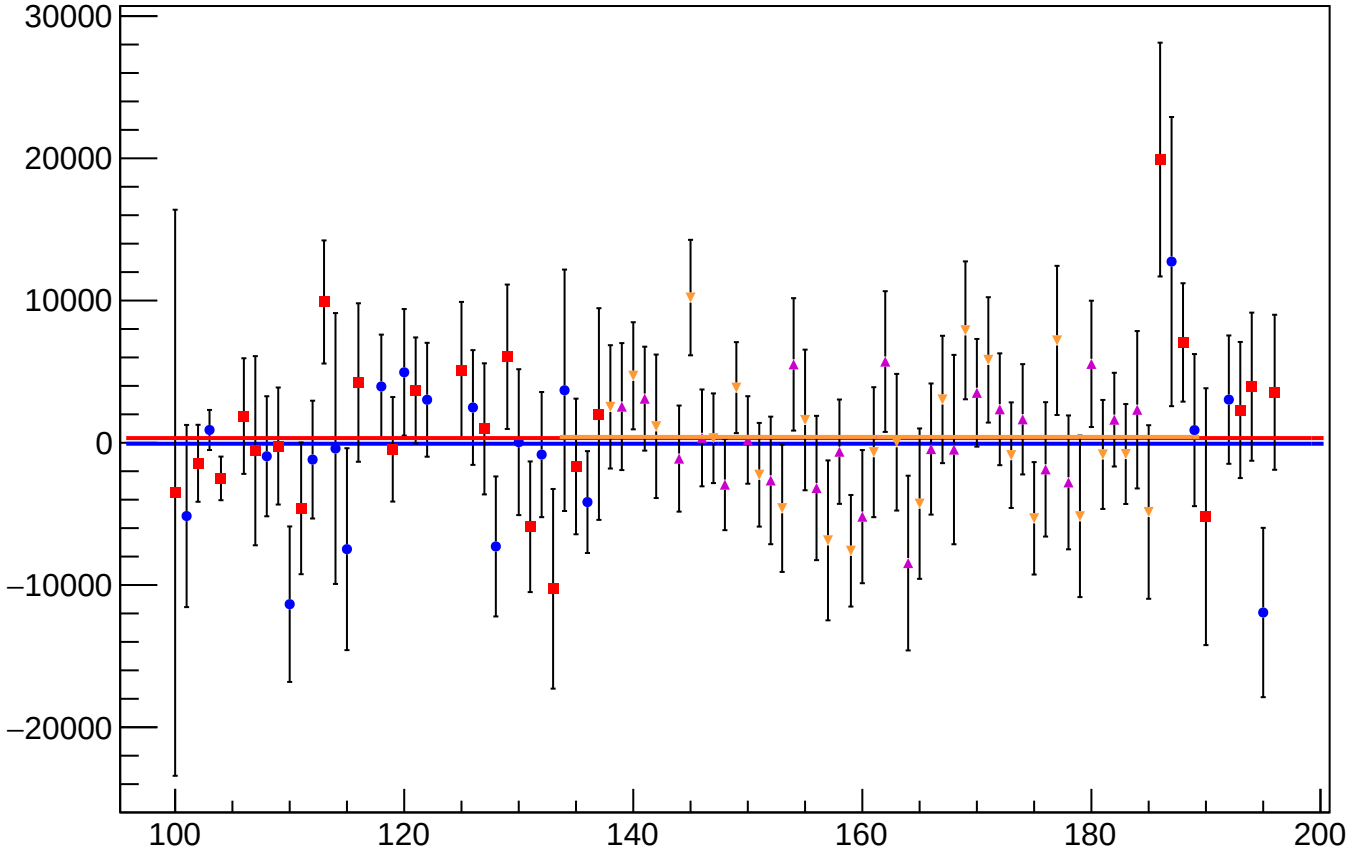
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2979.270+/-0.425 χ^2/NDF: 6749742.7/43

All: 2376.821+/-0.259 χ^2/NDF: 30936990.0/9

- sign 2020.674+/-0.327 χ^2/NDF: 20996283.1/46

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -66.242+/-876.525 χ^2/NDF: 19.8/19

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

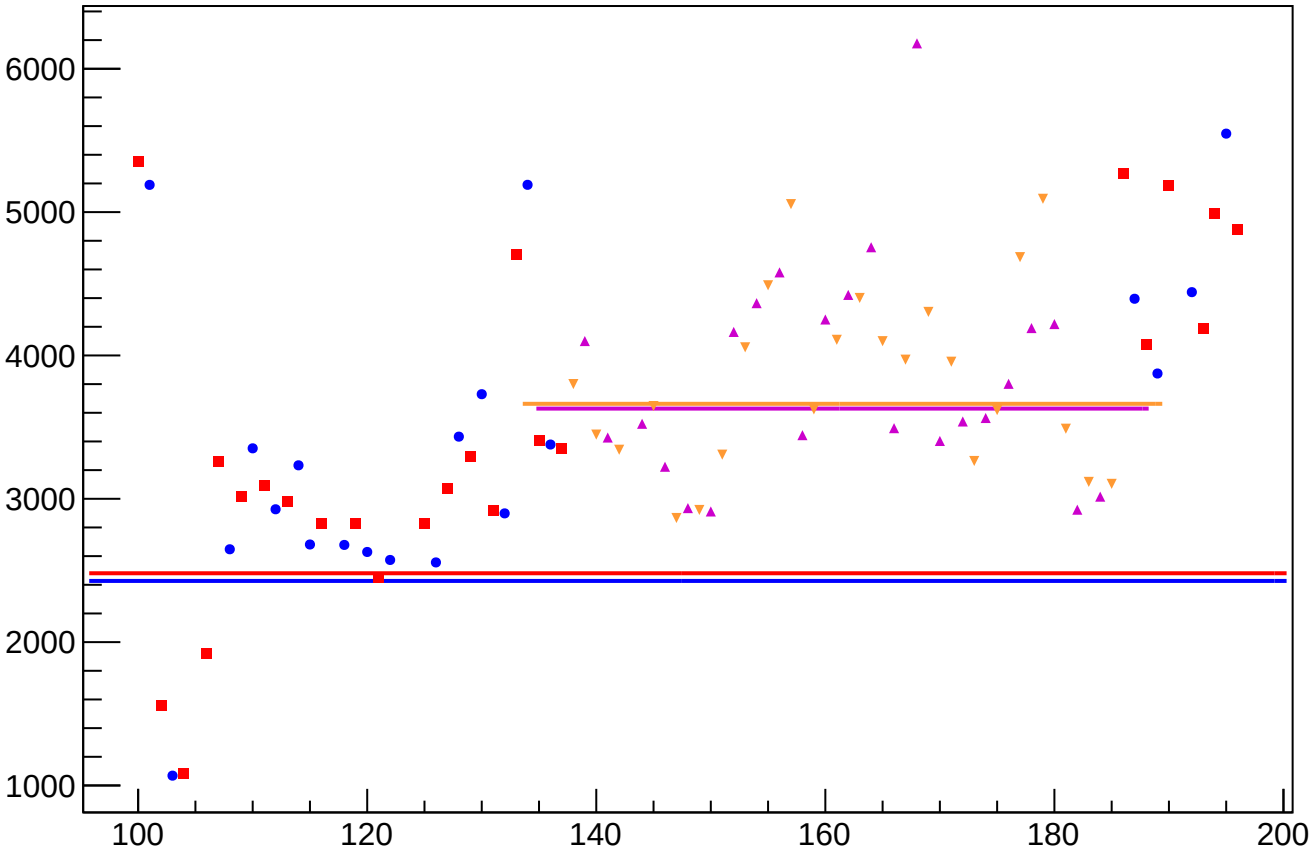
Right Out: 330.736+/-832.599 χ^2/NDF: 27.7/23

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 176.709+/-615.801 χ^2/NDF: 47.1/43

All: 273.898+/-429.376 χ^2/NDF: 87.2/90

\- sign 365.858+/-599.007 χ^2/NDF: 40.0/46



Right In: 2426.959+/-0.620 χ^2/NDF: 4118444.0/19

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

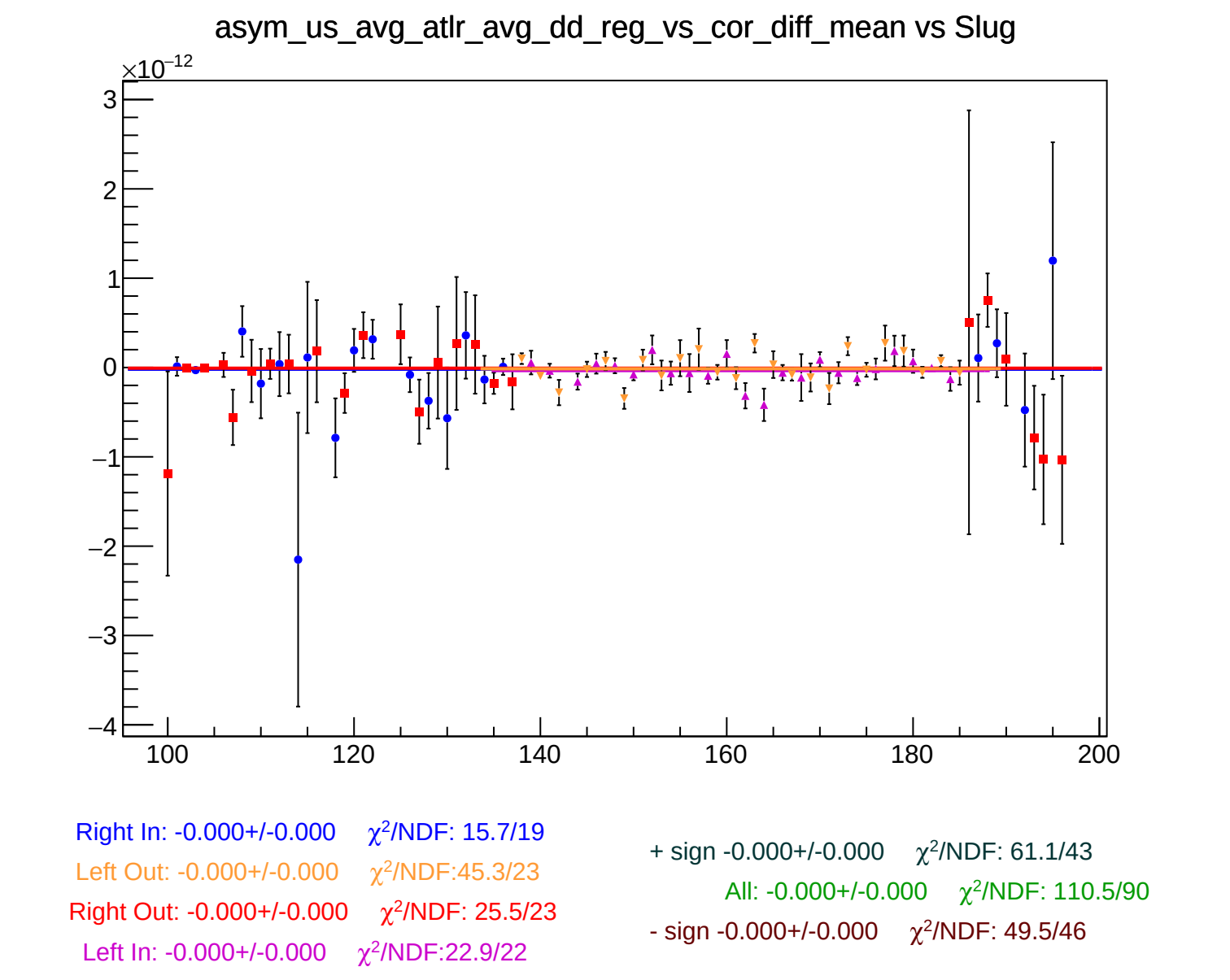
Right Out: 2480.510+/-0.588 χ^2/NDF: 4353746.0/23

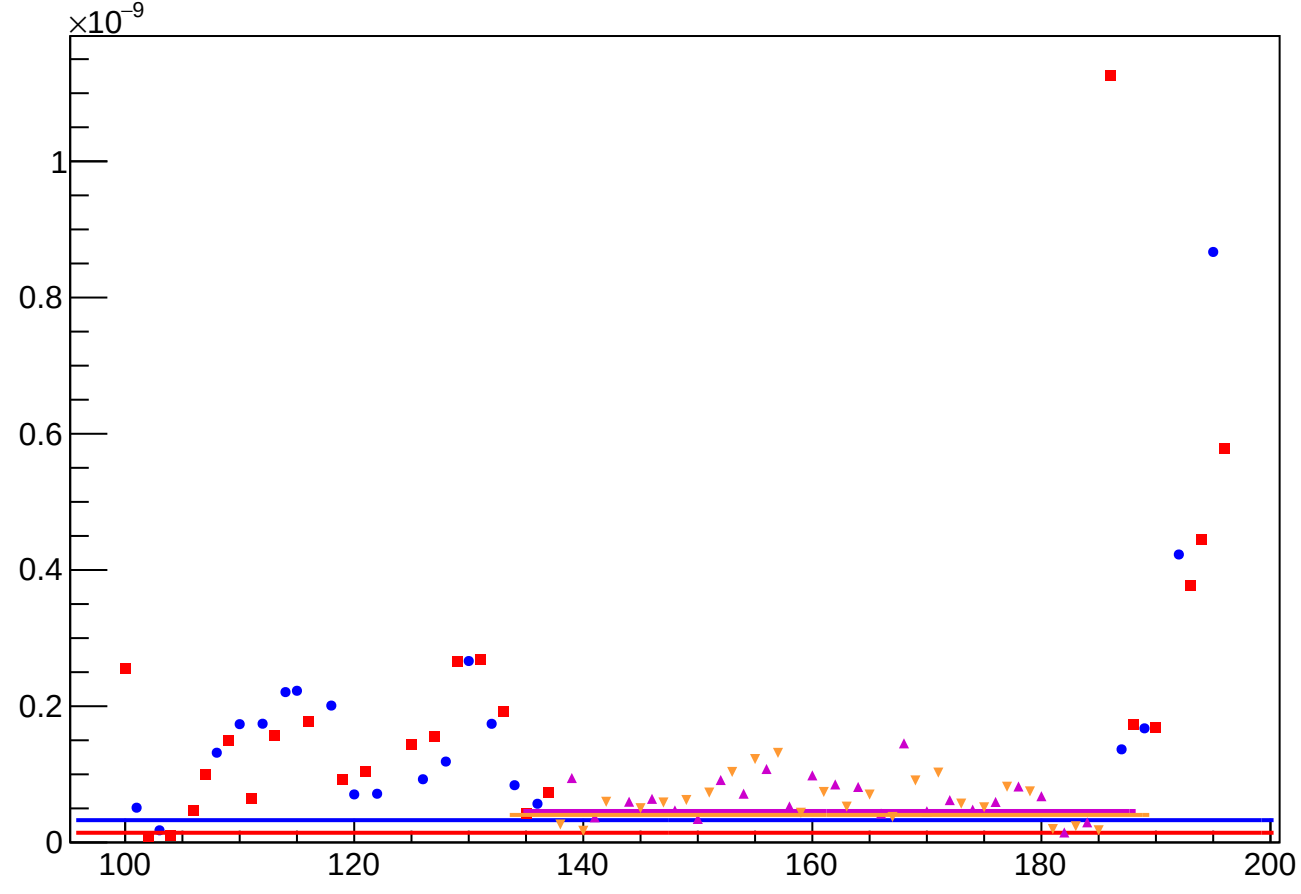
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3052.749+/-0.435 χ^2/NDF: 7024927.0/43

All: 3042.821+/-0.303 χ^2/NDF: 14274664.1/9

- 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: 15.7/19
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: 61.1/43
All: -0.000+/-0.000 χ²/NDF: 110.5/90
- sign -0.000+/-0.000 χ²/NDF: 49.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 4901360.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

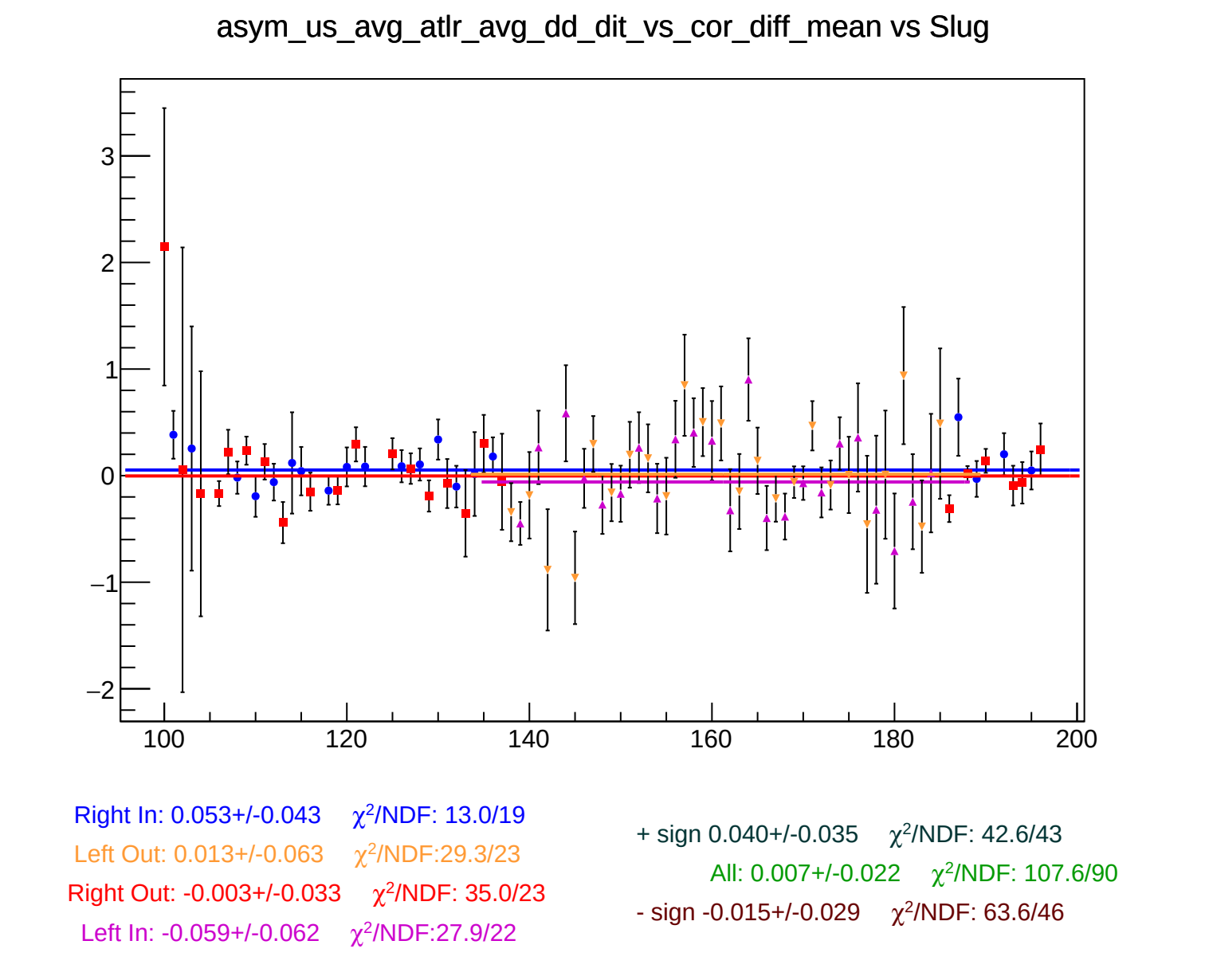
Right Out: 0.000+/-0.000 χ^2/NDF: 7052325.7/23

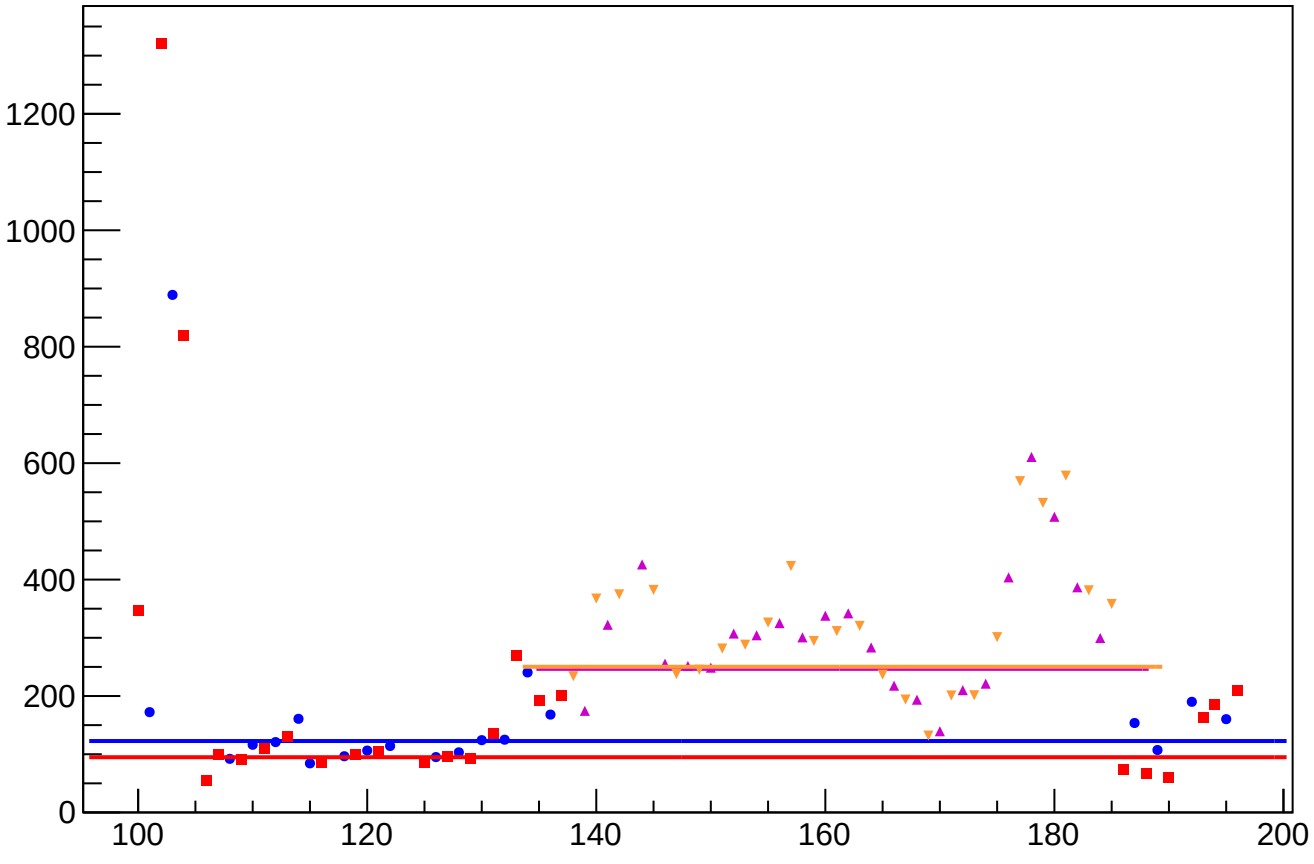
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8453465.4/43

All: 0.000+/-0.000 χ^2/NDF: 22534894.3/90

- sign 0.000+/-0.000 χ^2/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+/-0.043 χ²/NDF: 13.0/19
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 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.007+/-0.022 χ²/NDF: 107.6/90
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

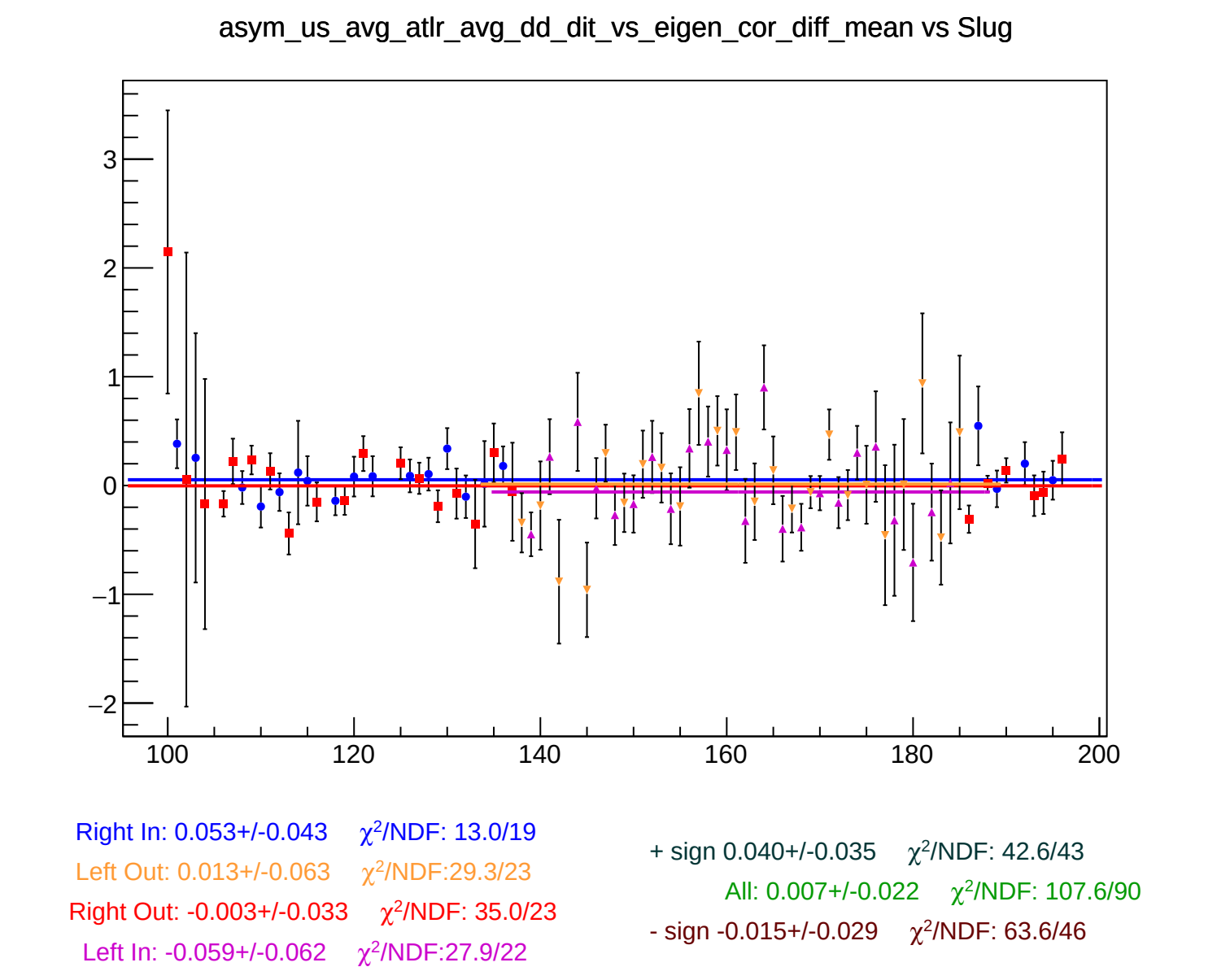
Right Out: 94.876+/-0.023 χ^2/NDF: 4376234.8/23

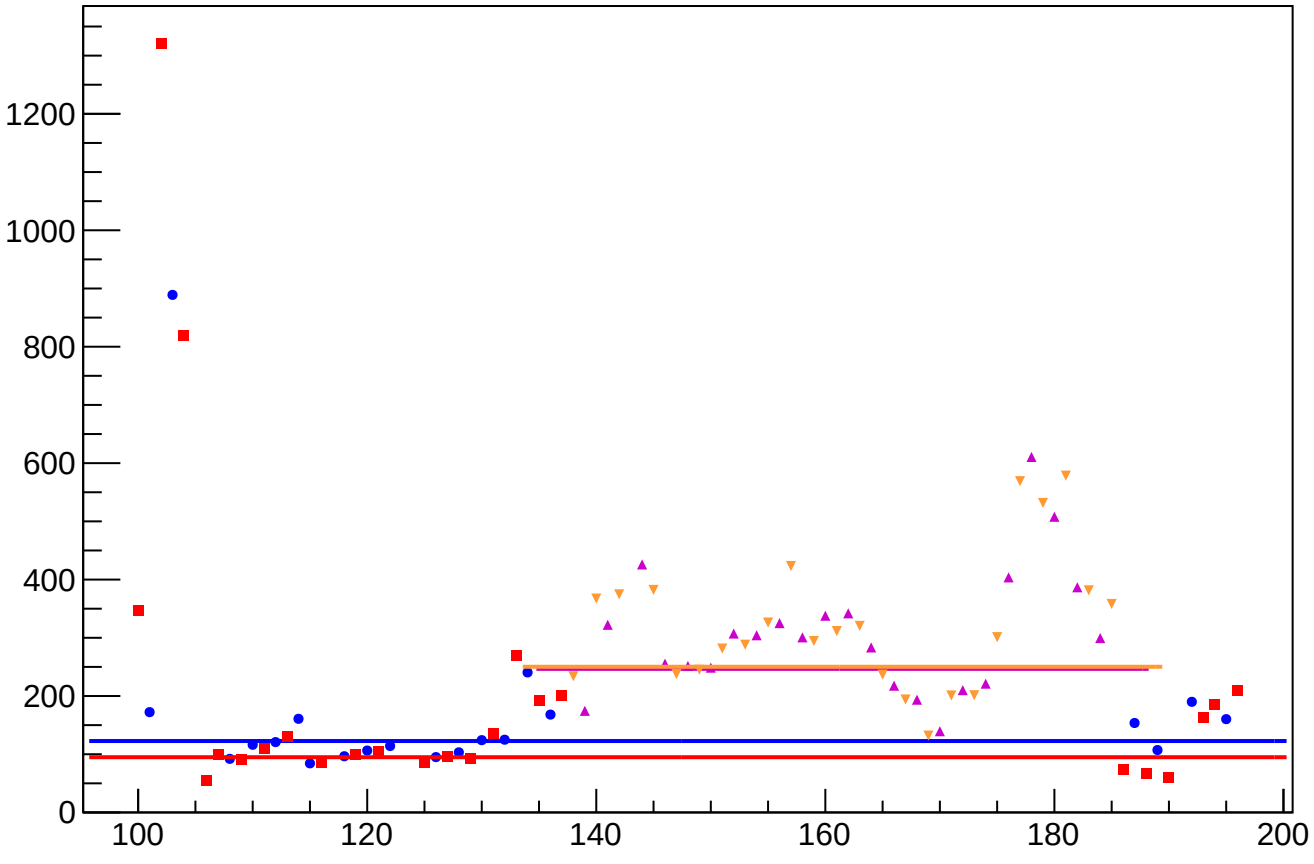
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.068+/-0.025 χ^2/NDF: 11958978.0/43

All: 142.058+/-0.016 χ^2/NDF: 30641877.4/90

- 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
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.053+/-0.043 χ²/NDF: 13.0/19
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 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.007+/-0.022 χ²/NDF: 107.6/90
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

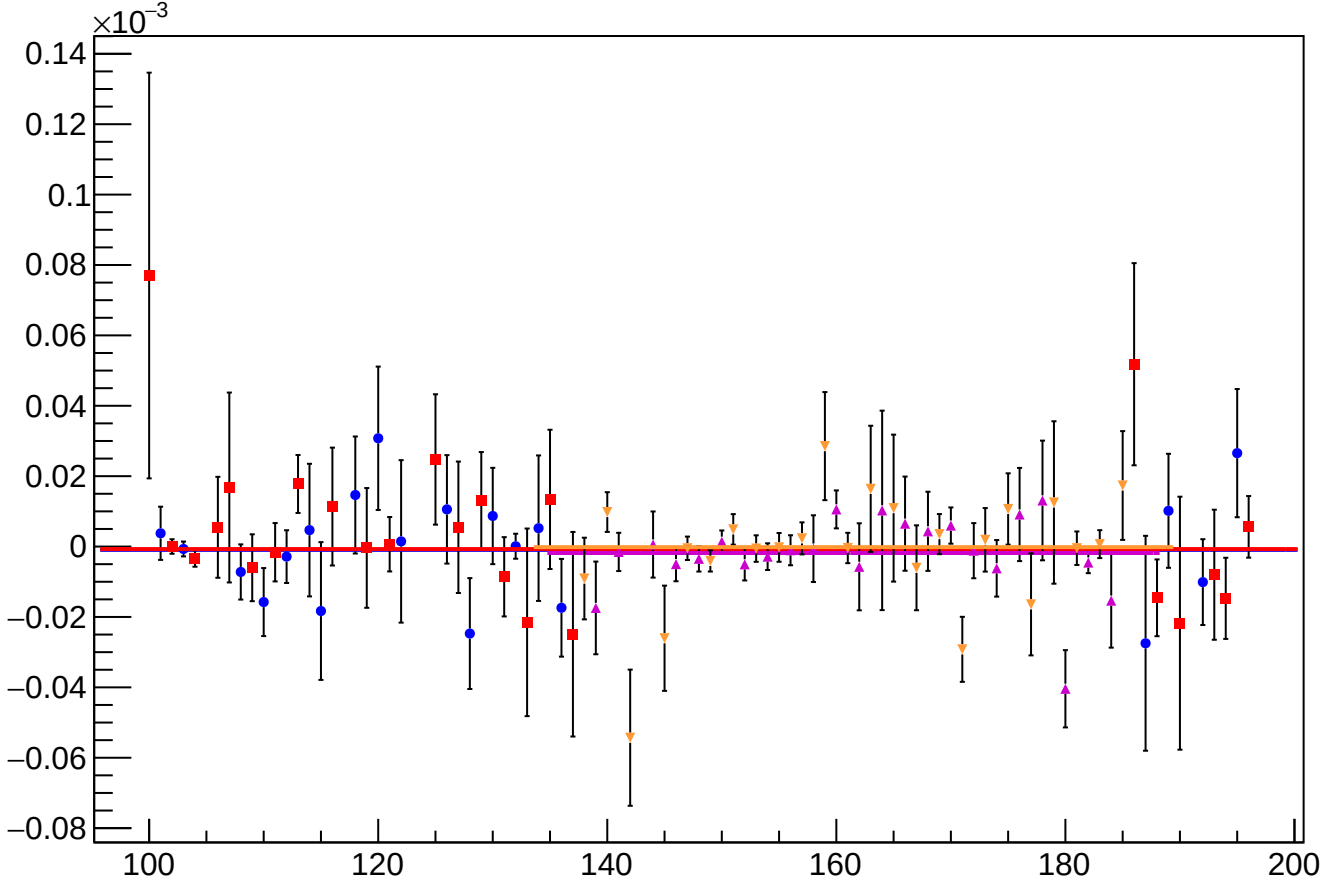
Right Out: 94.876+/-0.023 χ^2/NDF: 4376234.8/23

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.068+/-0.025 χ^2/NDF: 11958978.0/43

All: 142.058+/-0.016 χ^2/NDF: 30641877.4/90

- sign 128.020+/-0.020 χ^2/NDF: 17511153.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

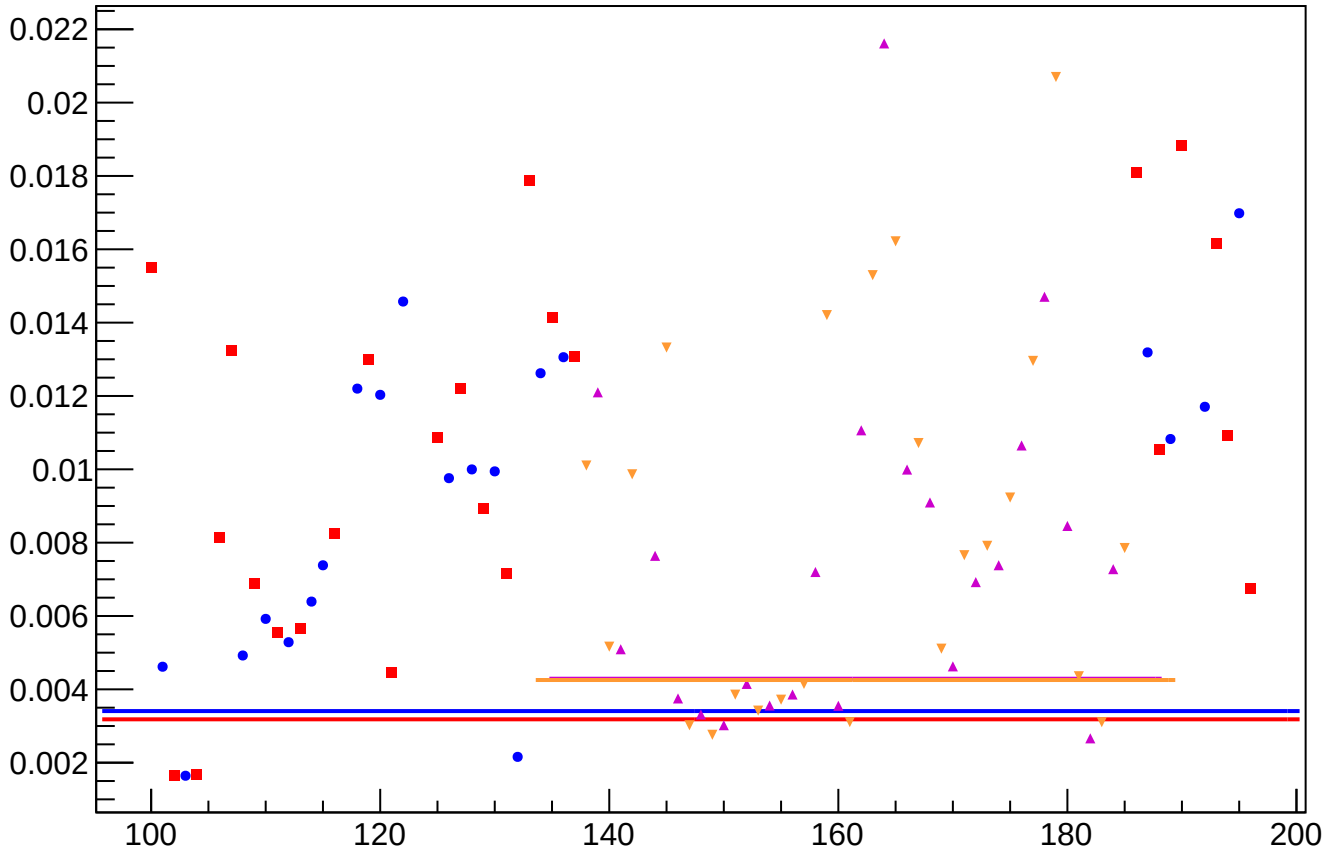
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/23

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/43

All: -0.000+/-0.000 χ^2/NDF: 105.6/90

- sign -0.000+/-0.000 χ^2/NDF: 51.1/46



Right In: 0.003+/-0.000 χ^2/NDF: 8719053.7/19

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

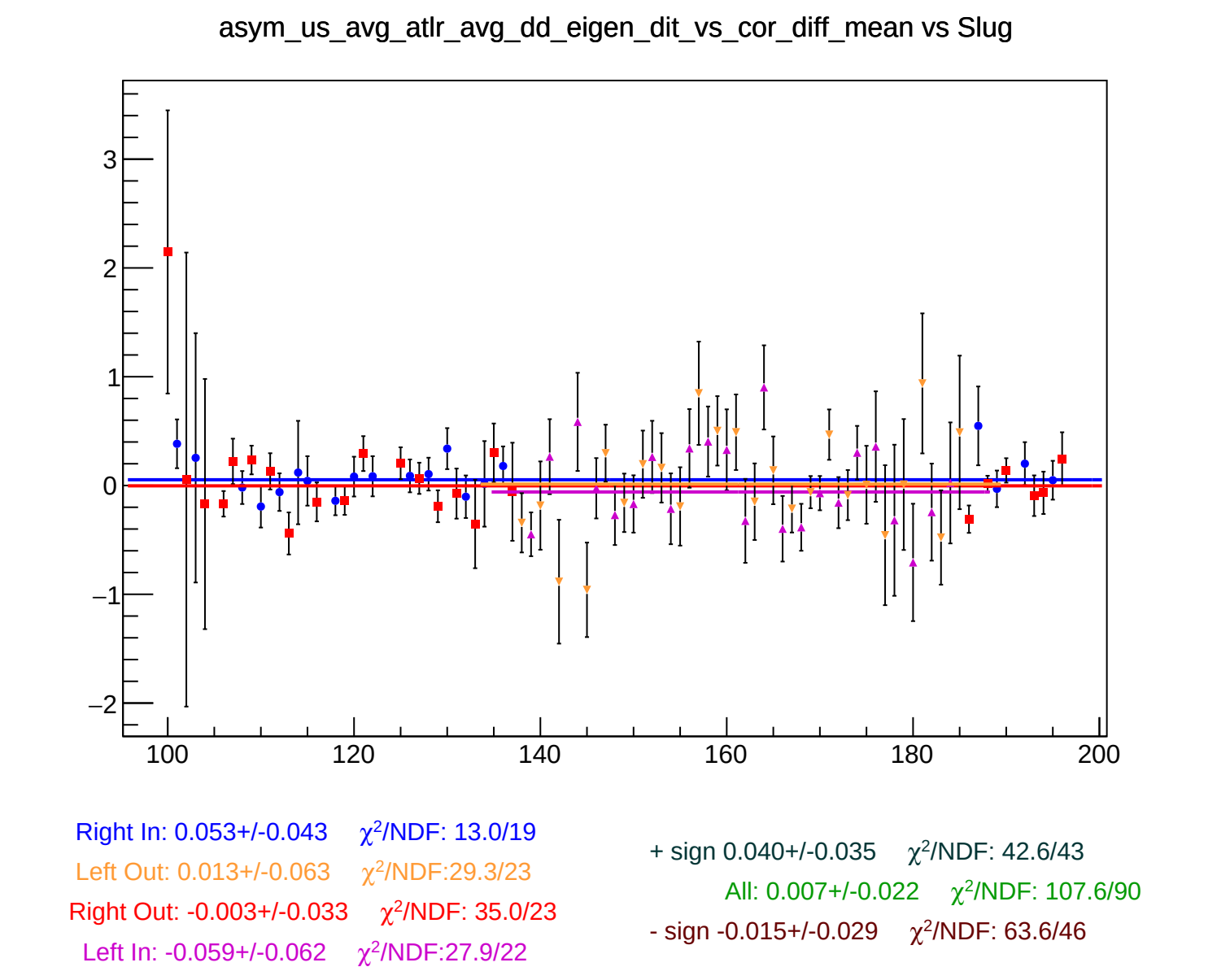
Right Out: 0.003+/-0.000 χ^2/NDF: 10975330.8/23

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 17591307.0/43

All: 0.004+/-0.000 χ^2/NDF: 35945762.3/90

- 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
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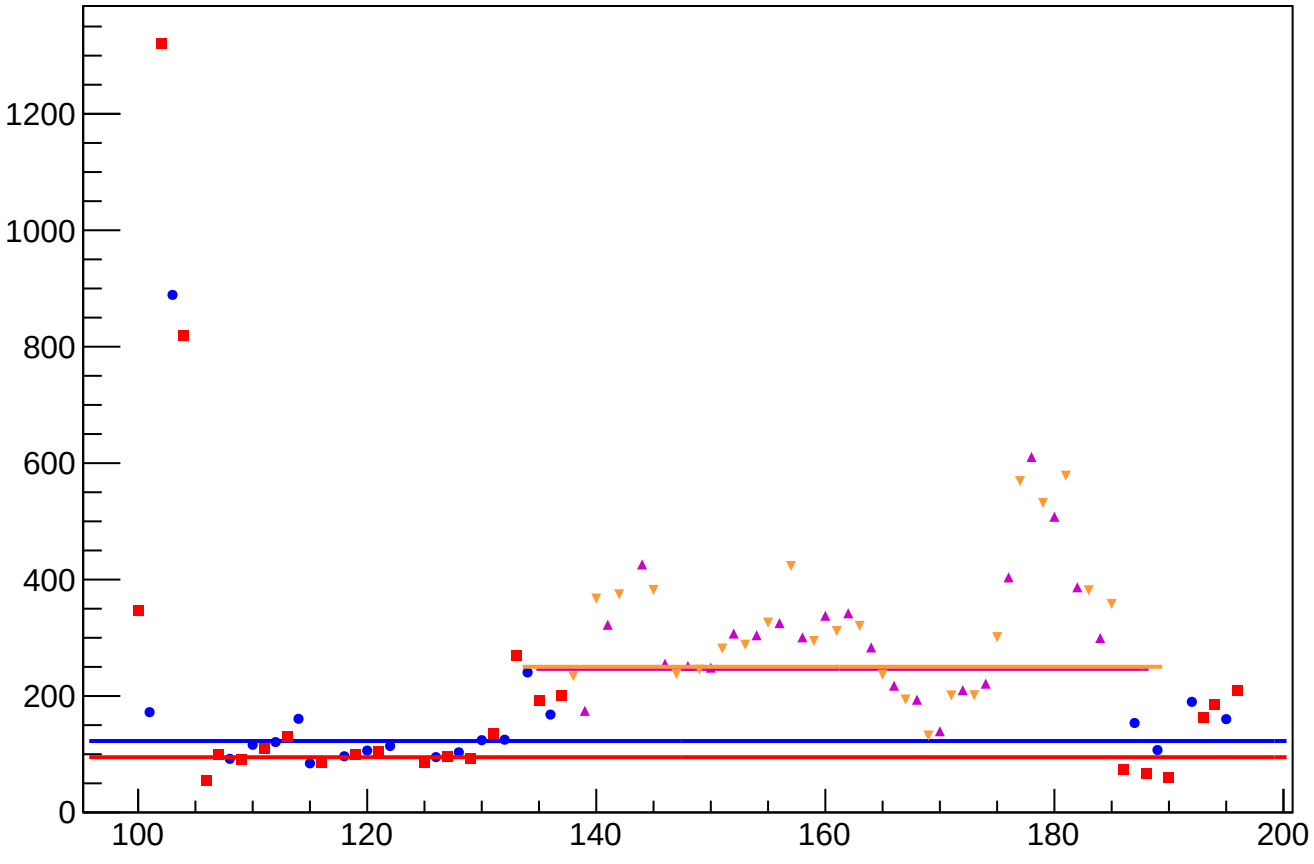
180
200
Right In: 0.053+/-0.043 χ²/NDF: 13.0/19
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.033 χ²/NDF: 35.0/23
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.007+/-0.022 χ²/NDF: 107.6/90
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 122.683+/-0.030 χ^2/NDF: 2003369.9/19

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

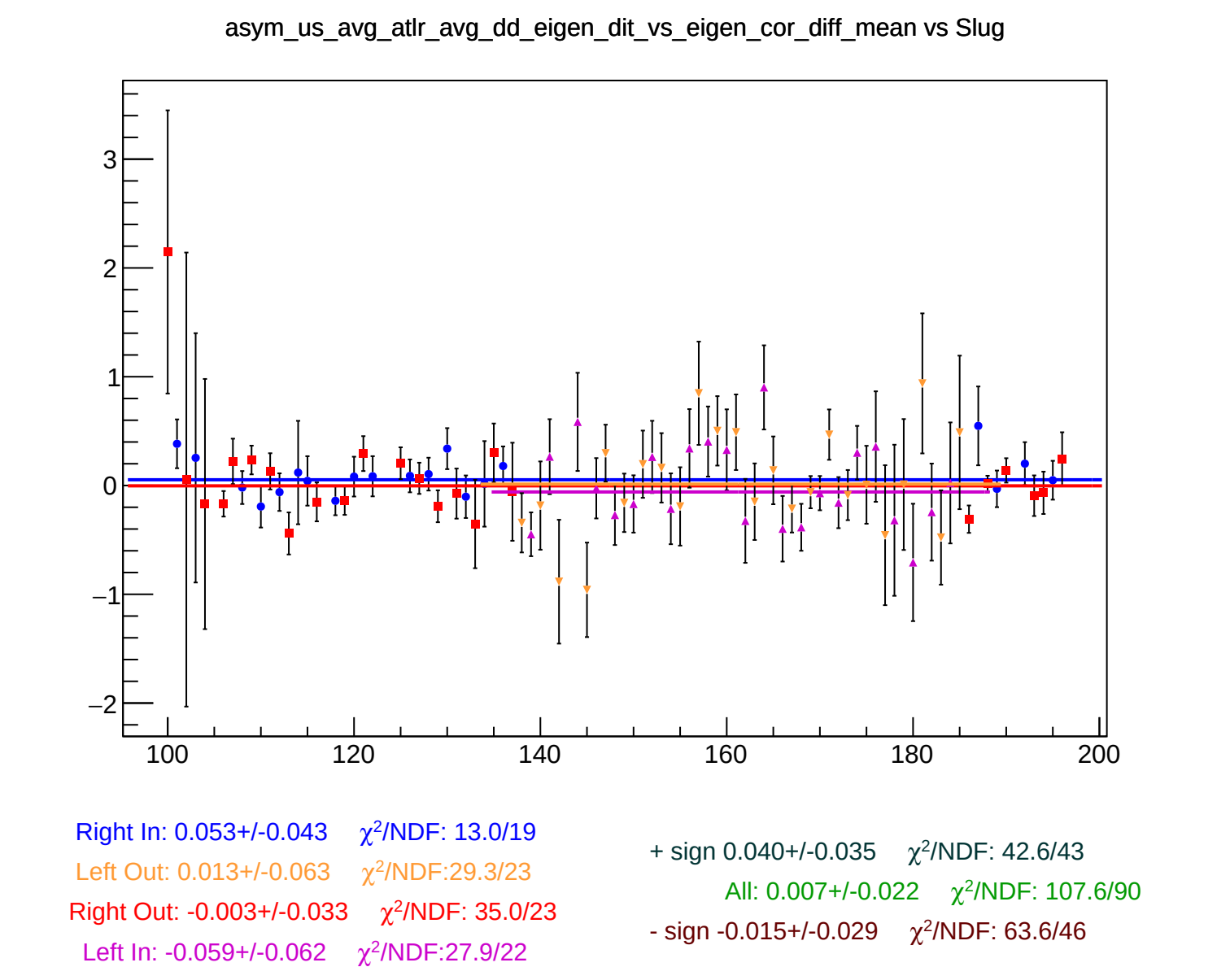
Right Out: 94.872+/-0.023 χ^2/NDF: 4376629.1/23

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.067+/-0.025 χ^2/NDF: 11959228.4/43

All: 142.054+/-0.016 χ^2/NDF: 30643709.7/90

- 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
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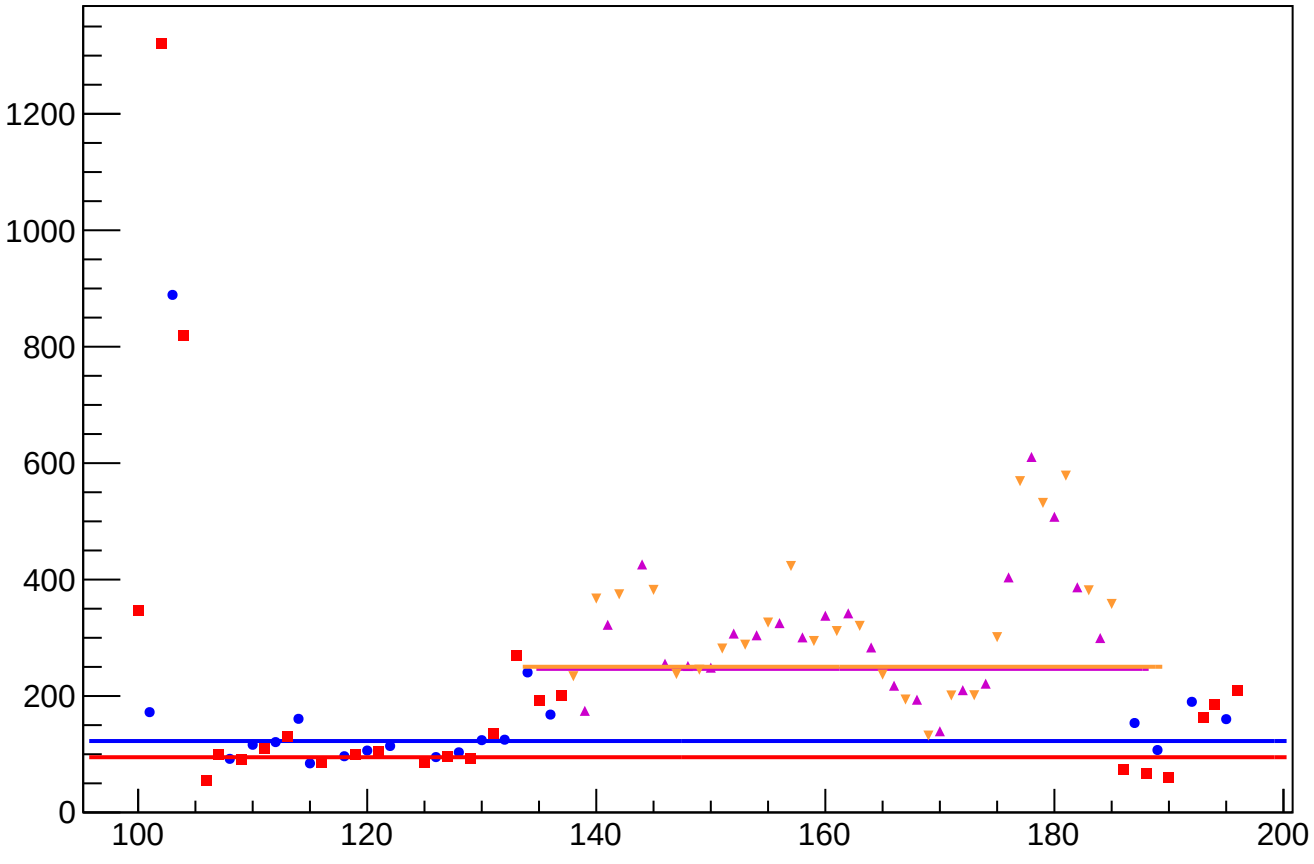
Right In: 0.053+/-0.043 χ²/NDF: 13.0/19
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.033 χ²/NDF: 35.0/23
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.007+/-0.022 χ²/NDF: 107.6/90
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 122.683+/-0.030 χ^2/NDF: 2003369.9/19

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

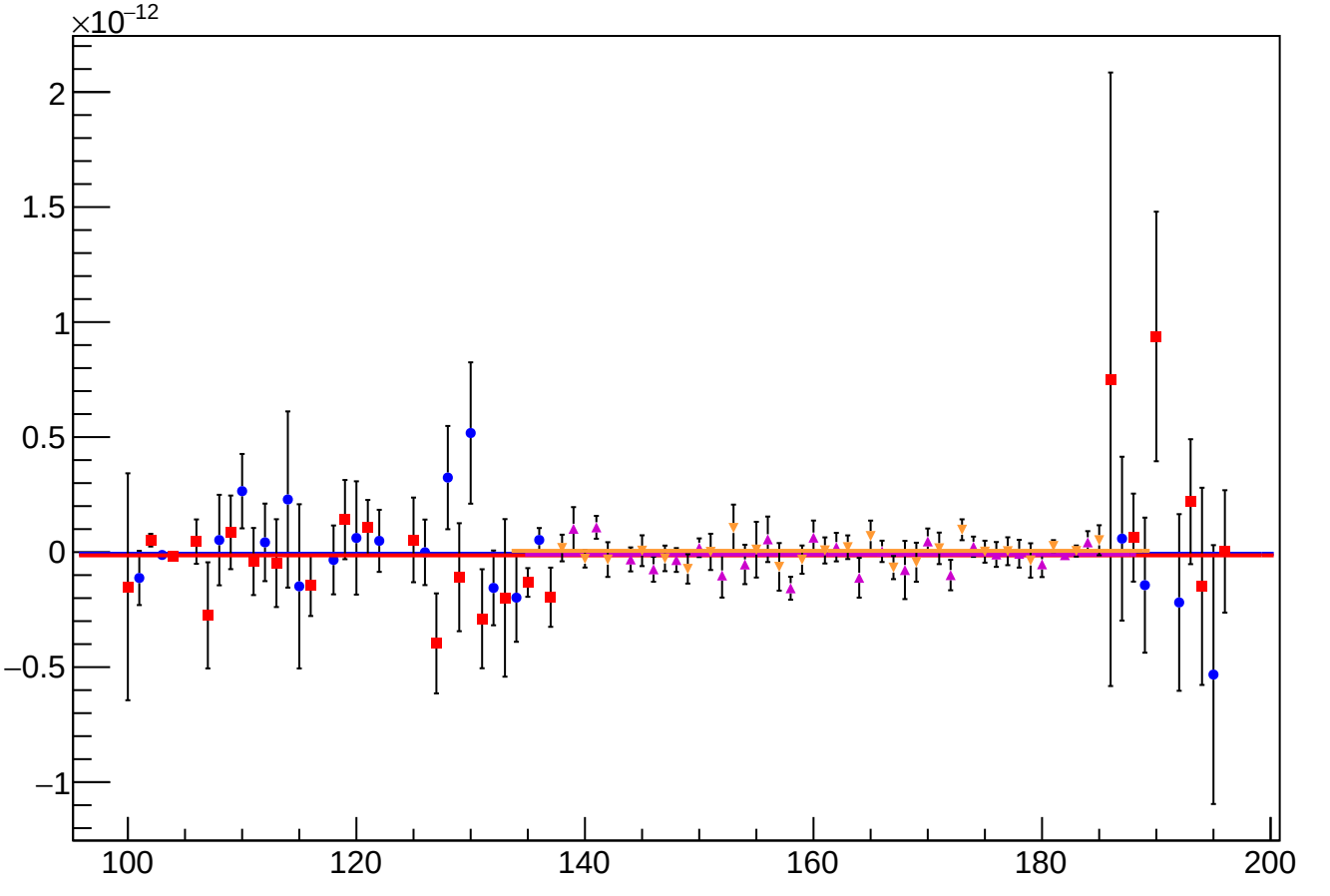
Right Out: 94.872+/-0.023 χ^2/NDF: 4376629.1/23

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.067+/-0.025 χ^2/NDF: 11959228.4/43

All: 142.054+/-0.016 χ^2/NDF: 30643709.7/90

- sign 128.014+/-0.020 χ^2/NDF: 17512407.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

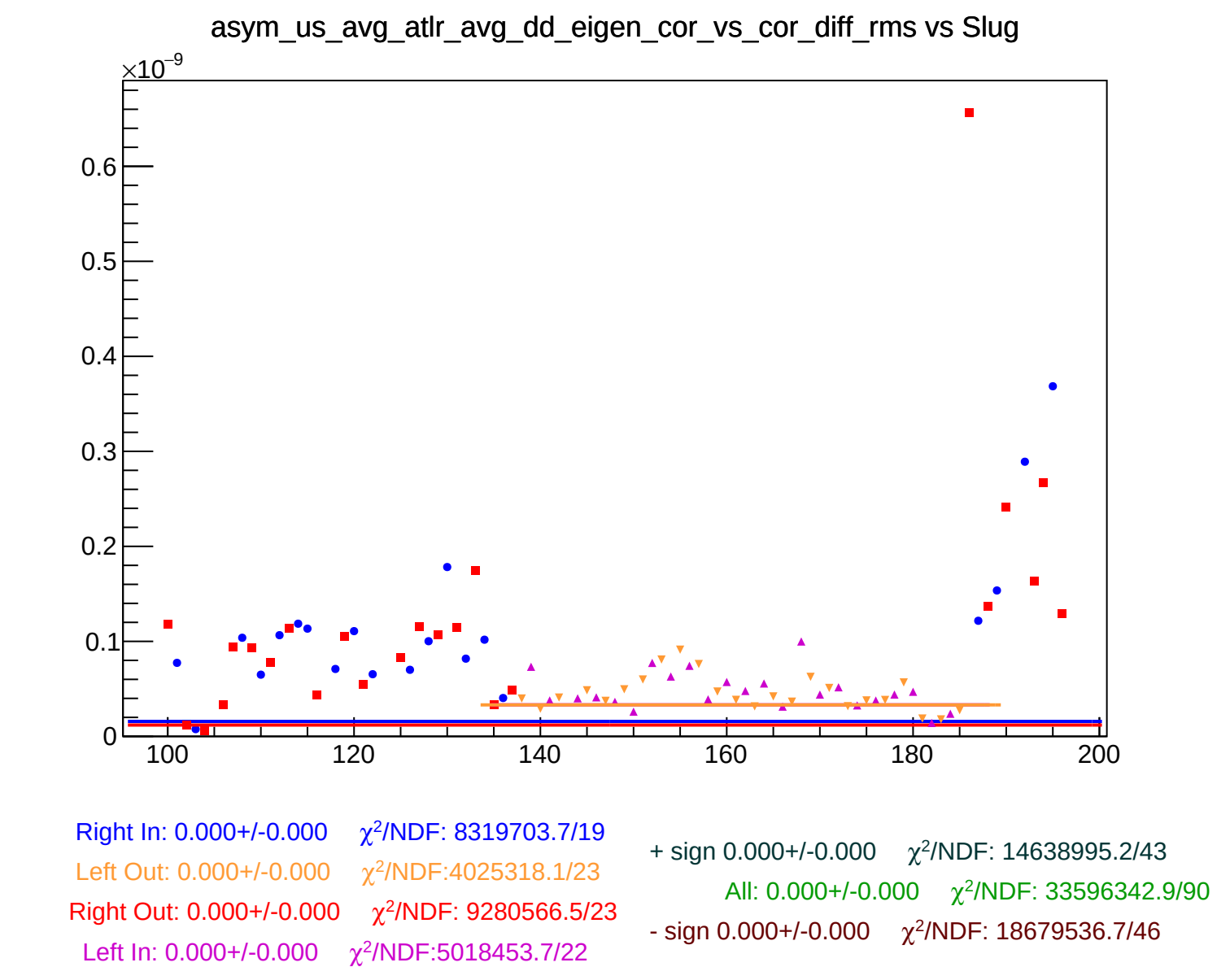
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/23

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/43

All: -0.000+/-0.000 χ^2/NDF: 84.5/90

- sign -0.000+/-0.000 χ^2/NDF: 54.3/46


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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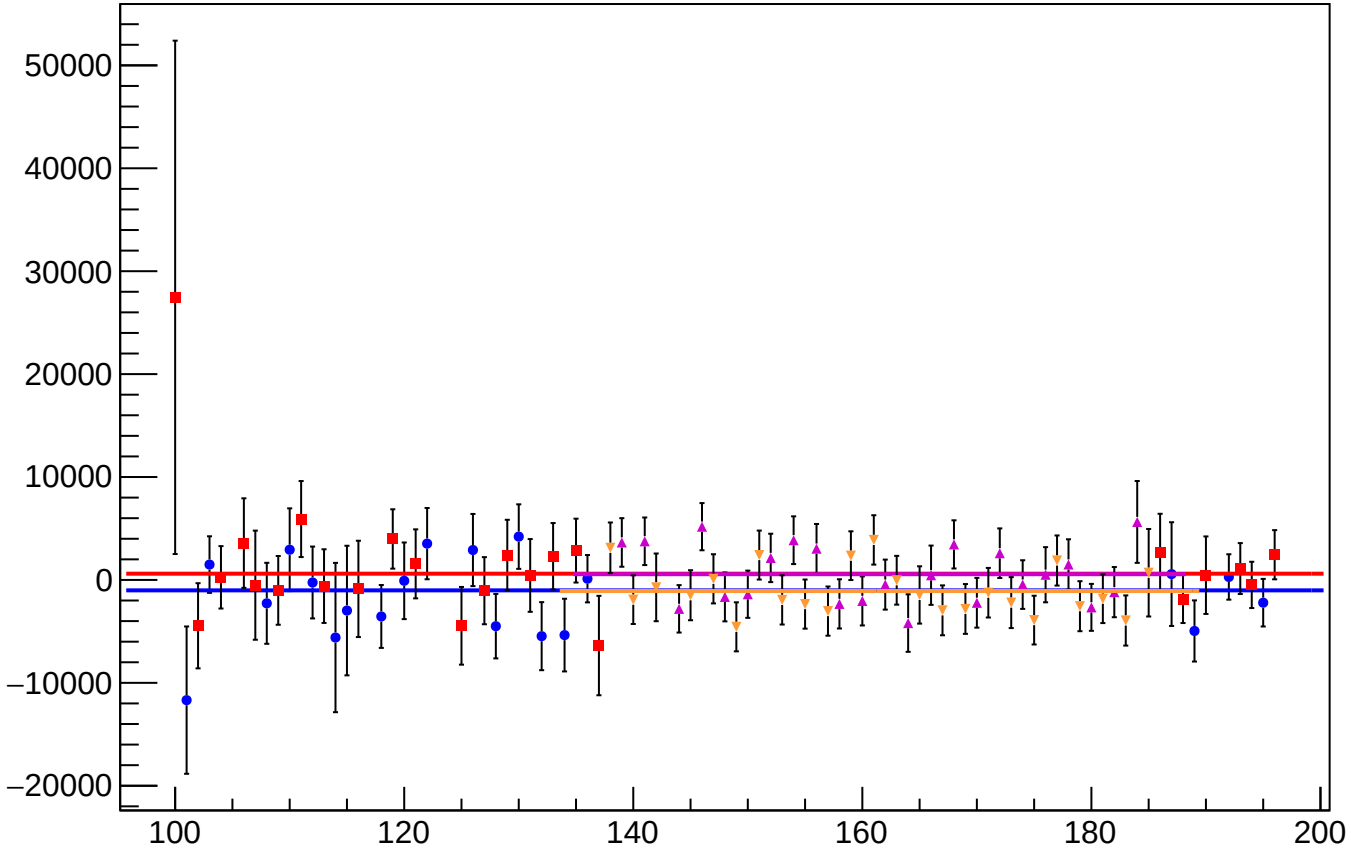
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8319703.7/19
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 9280566.5/23
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 14638995.2/43
All: 0.000+/-0.000 χ²/NDF: 33596342.9/90
- sign 0.000+/-0.000 χ²/NDF: 18679536.7/46

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1013.756+/-733.534 χ^2/NDF: 18.4/19

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 606.969+/-676.077 χ^2/NDF: 14.7/23

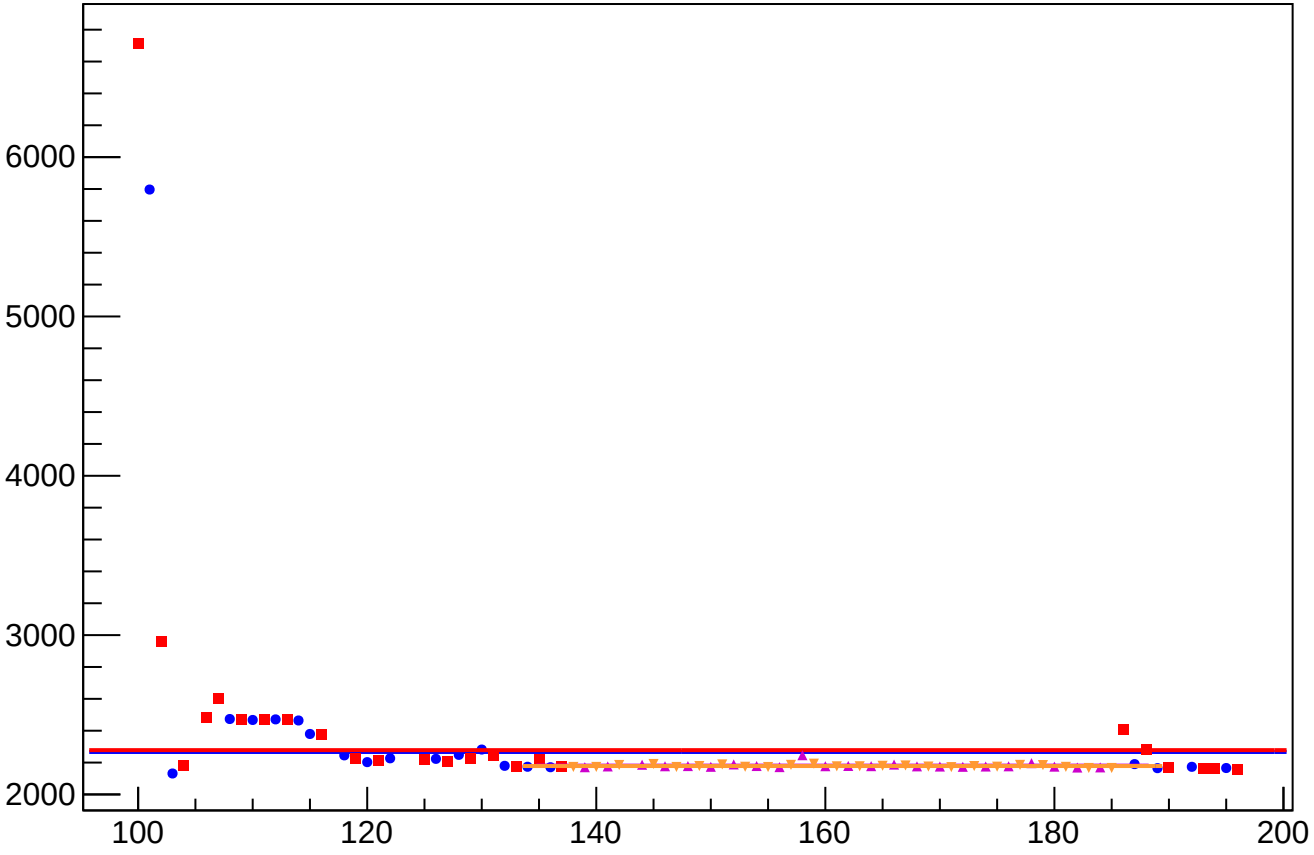
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.829+/-416.256 χ^2/NDF: 40.0/43

All: -220.532+/-290.916 χ^2/NDF: 91.2/90

- sign 575.120+/-406.745 χ^2/NDF: 43.4/46

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.3/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

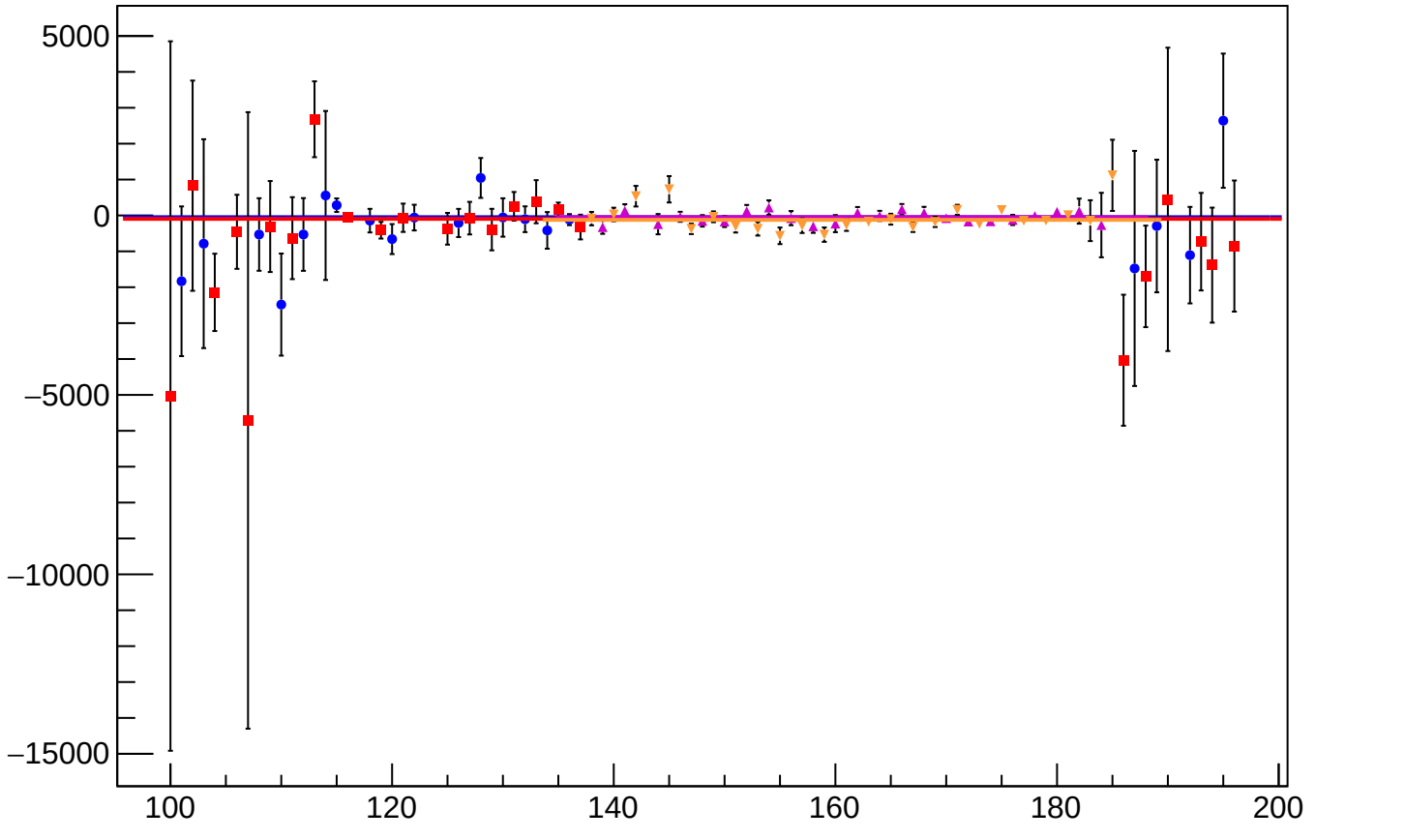
Right Out: 2278.005+/-0.478 χ^2/NDF: 175547.4/23

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.6/43

All: 2211.490+/-0.206 χ^2/NDF: 752853.3/90

- sign 2216.059+/-0.288 χ^2/NDF: 203728.9/46



Right In: -48.105+/-90.457 χ^2/NDF: 17.3/19

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

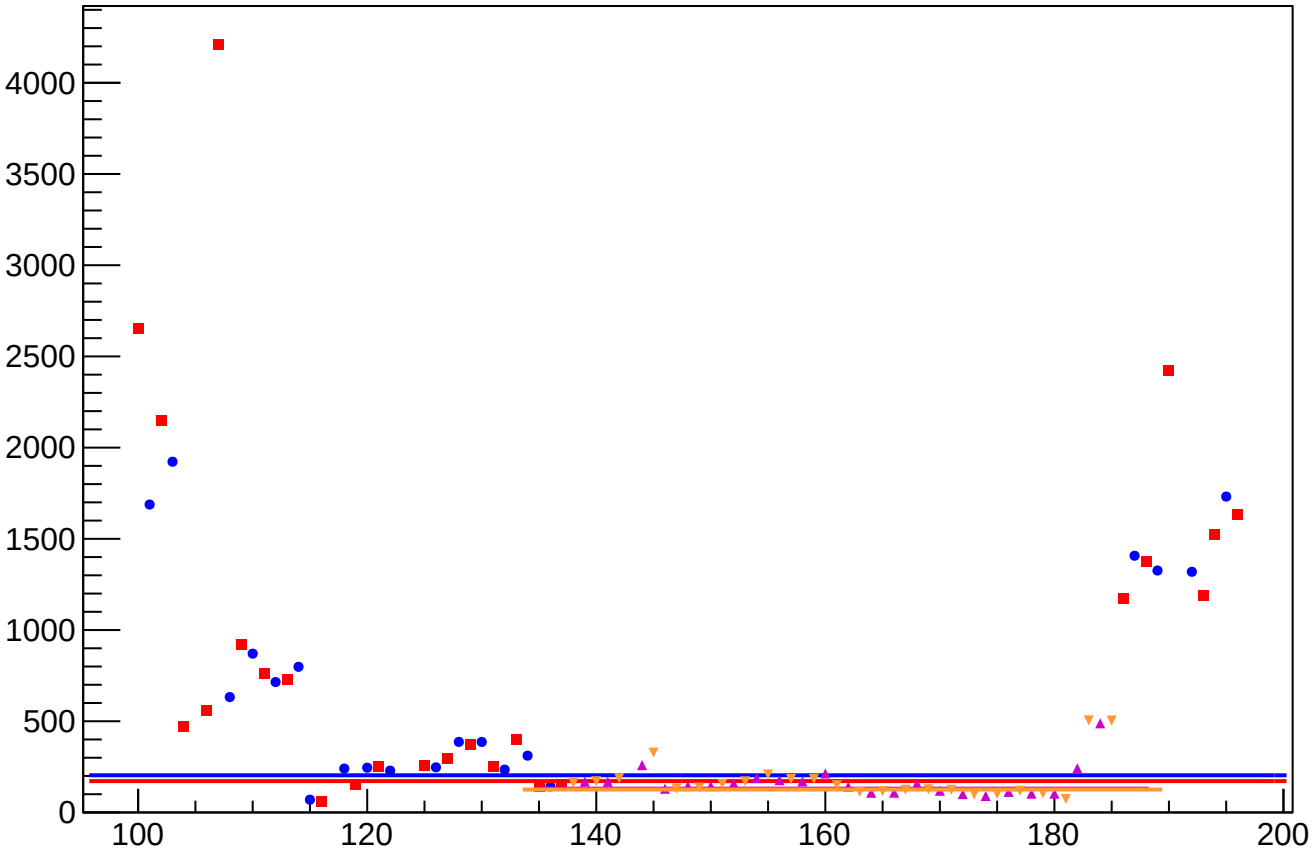
Right Out: -94.747+/-81.806 χ^2/NDF: 24.7/23

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -114.949+/-29.670 χ^2/NDF: 61.7/43

All: -86.225+/-21.179 χ^2/NDF: 106.8/90

- sign -56.388+/-30.240 χ^2/NDF: 43.2/46



Right In: 203.740+/-0.064 χ^2/NDF: 8822920.9/19

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 171.935+/-0.058 χ^2/NDF: 12679250.5/23

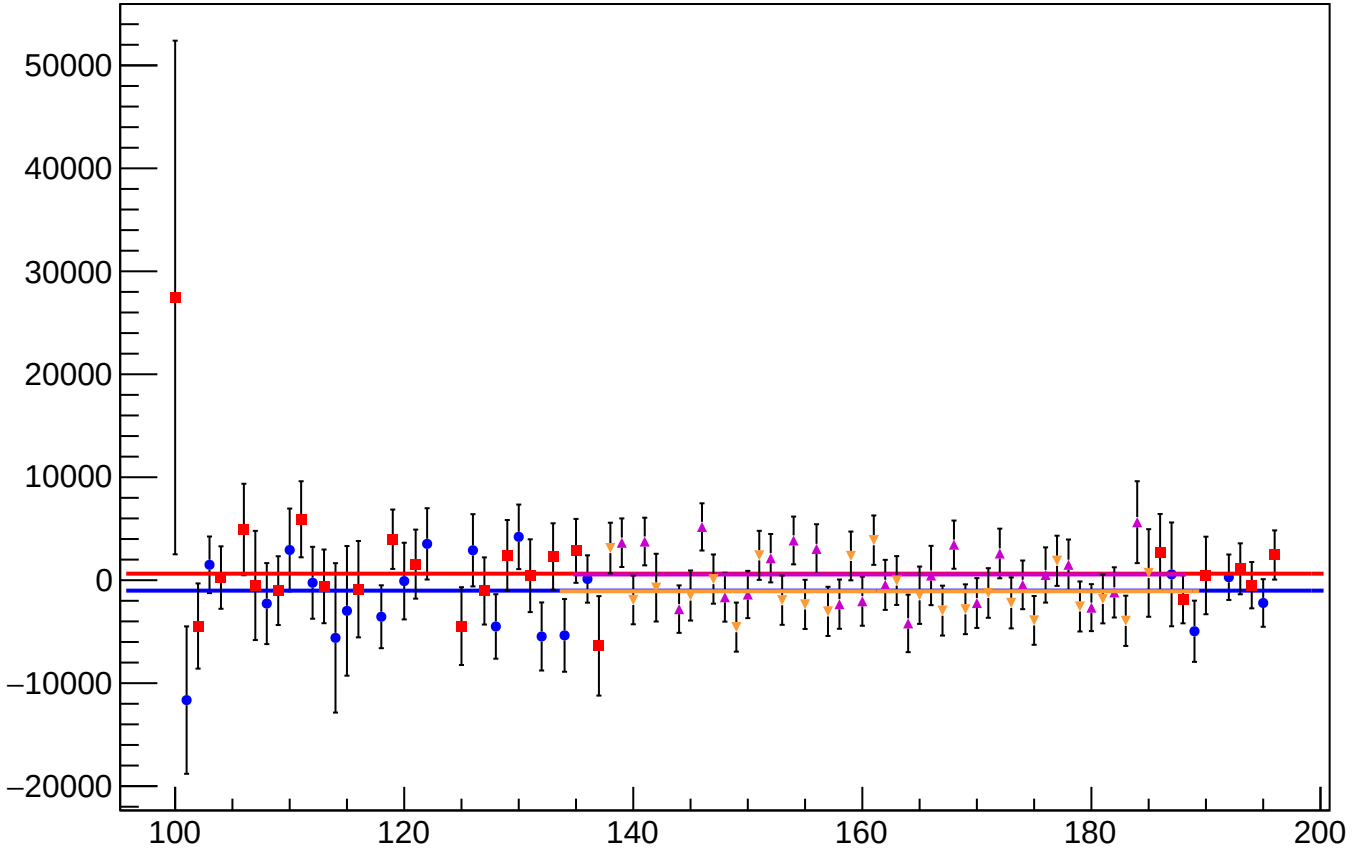
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 133.923+/-0.021 χ^2/NDF: 14100726.6/43

All: 134.994+/-0.015 χ^2/NDF: 29909313.8/90

- sign 136.107+/-0.021 χ^2/NDF: 15803275.1/46

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1013.102+/-733.534 χ^2/NDF: 18.4/19

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 635.310+/-676.416 χ^2/NDF: 15.1/23

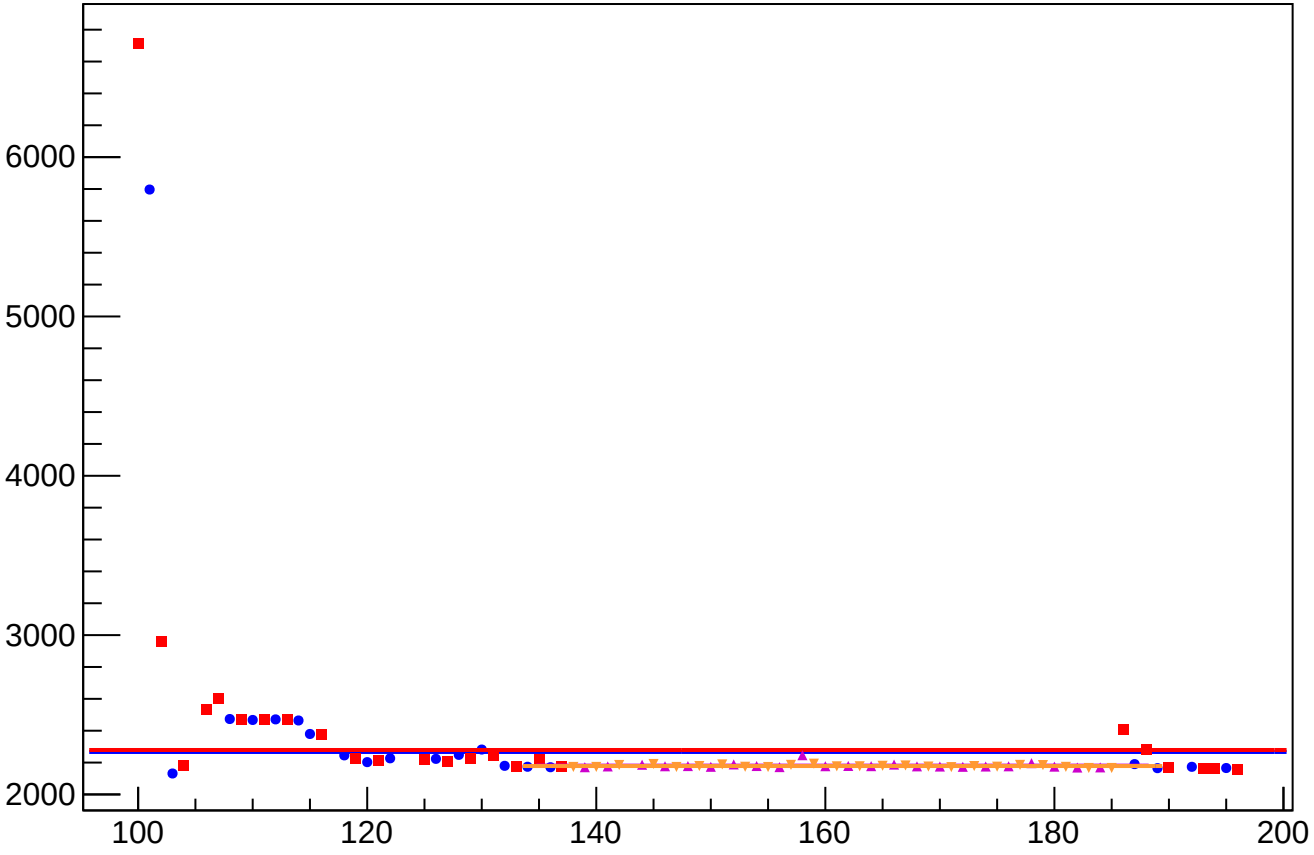
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.573+/-416.256 χ^2/NDF: 40.0/43

All: -215.308+/-290.943 χ^2/NDF: 91.8/90

- sign 585.377+/-406.818 χ^2/NDF: 43.8/46

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.6/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2278.973+/-0.478 χ^2/NDF: 177732.1/23

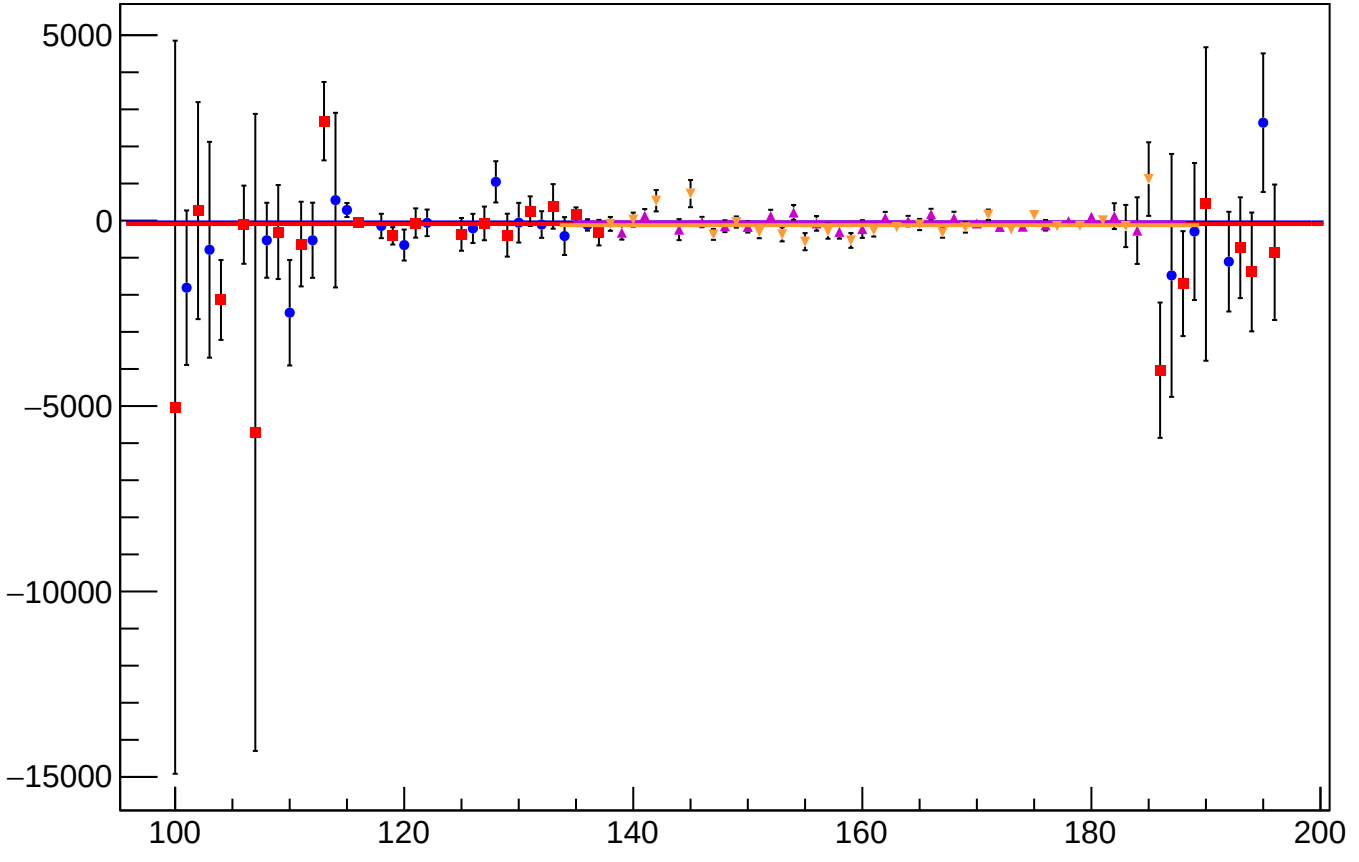
Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.9/43

All: 2211.657+/-0.206 χ^2/NDF: 755585.4/90

- sign 2216.387+/-0.288 χ^2/NDF: 206424.0/46

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

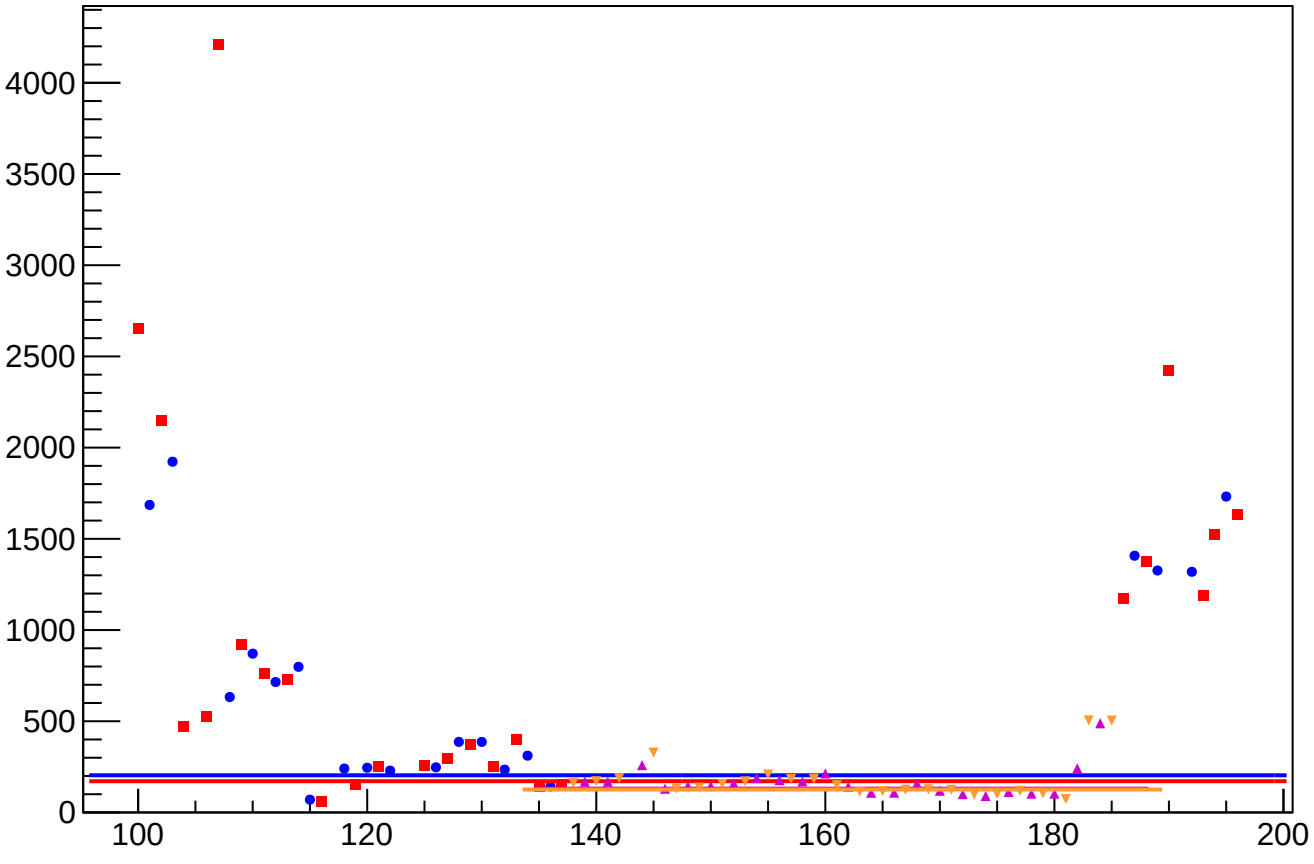
Right Out: -92.744+/-81.746 χ^2/NDF: 24.5/23

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.882+/-29.671 χ^2/NDF: 61.7/43

All: -86.015+/-21.178 χ^2/NDF: 106.6/90

- sign -56.030+/-30.239 χ^2/NDF: 43.0/46



Right In: 203.766+/-0.064 χ^2/NDF: 8821648.4/19

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

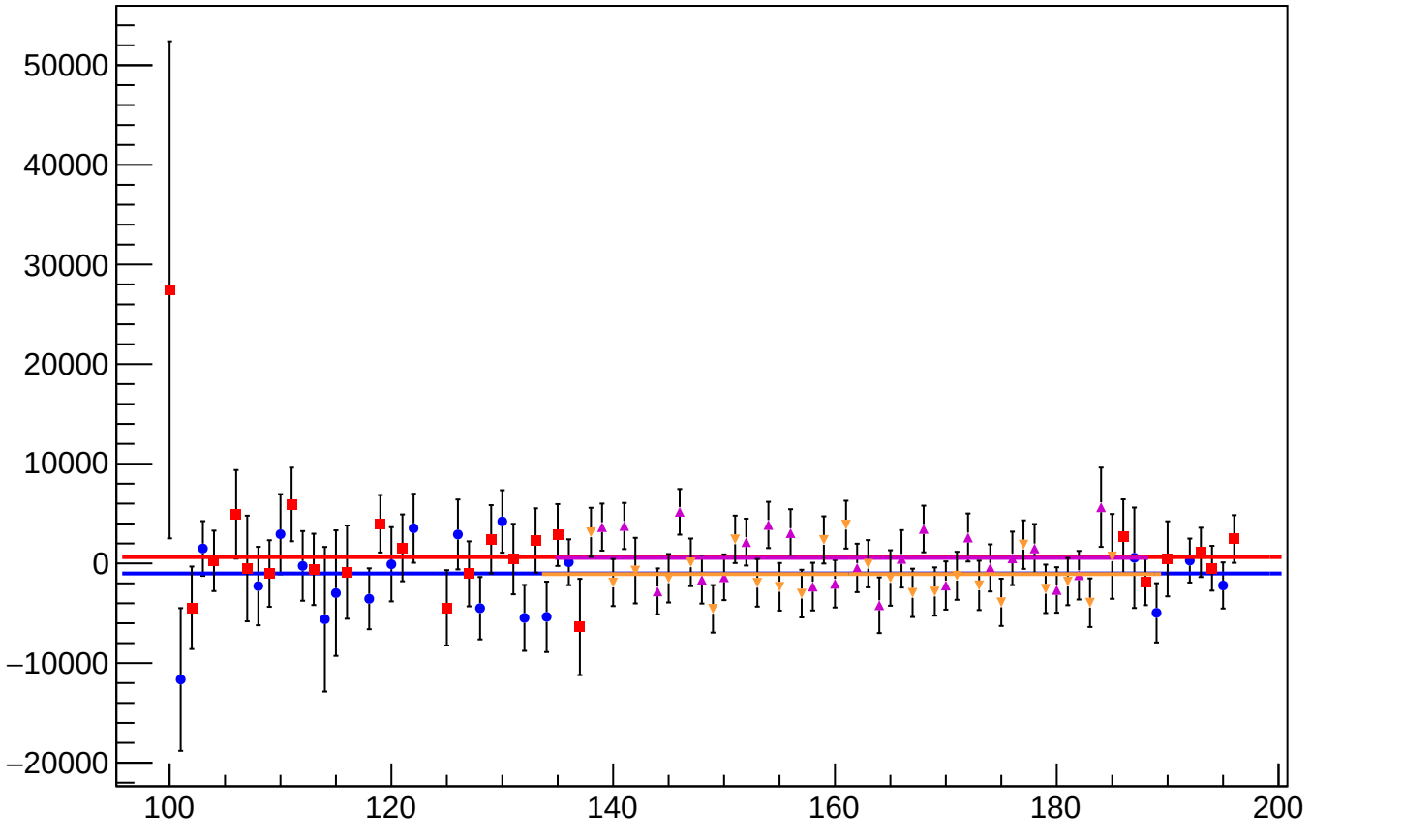
Right Out: 171.361+/-0.058 χ^2/NDF: 12639399.7/23

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.922+/-0.021 χ^2/NDF: 14101133.9/43

All: 134.965+/-0.015 χ^2/NDF: 29857312.7/90

- sign 136.049+/-0.021 χ^2/NDF: 15751135.5/46



Right In: -1013.102+/-733.534 χ^2/NDF: 18.4/19

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 635.310+/-676.416 χ^2/NDF: 15.1/23

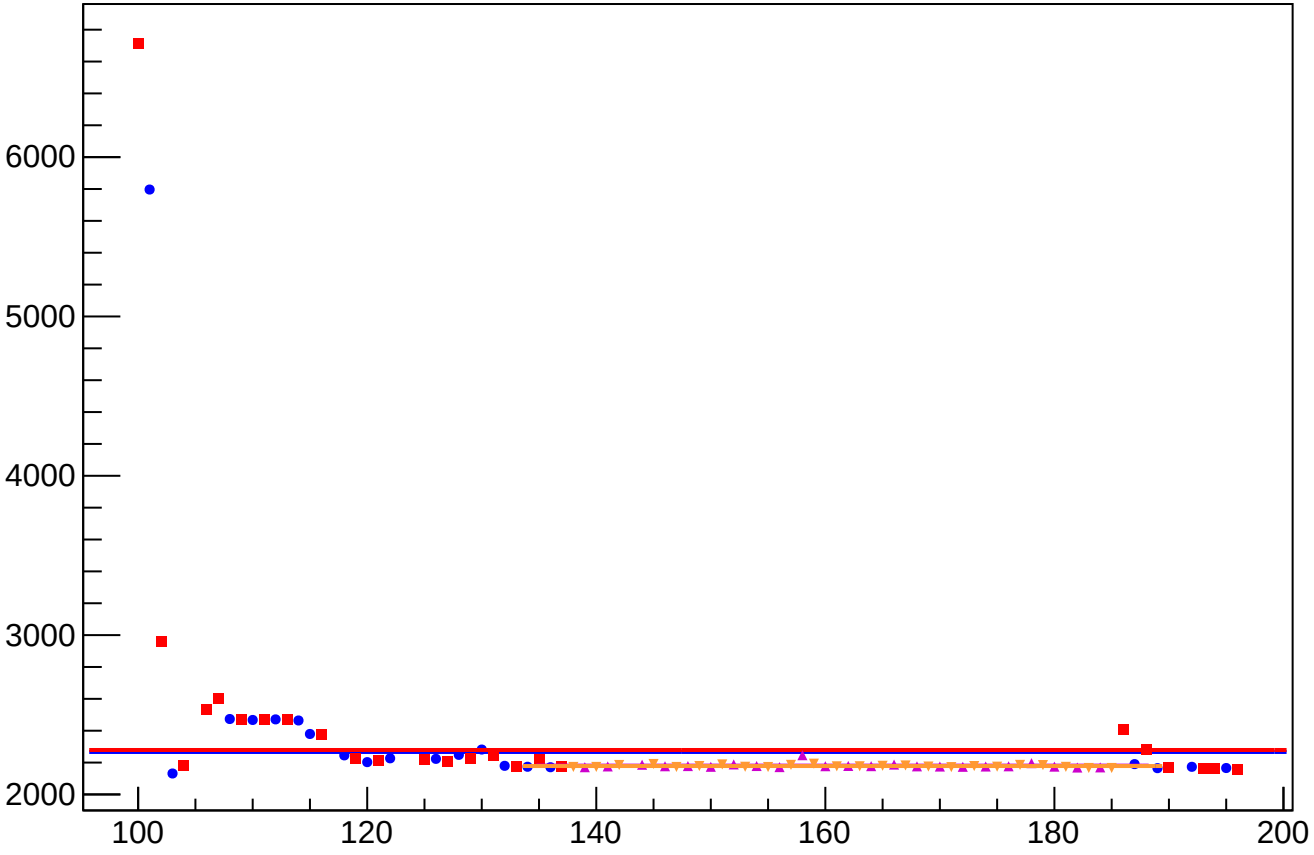
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.573+/-416.256 χ^2/NDF: 40.0/43

All: -215.308+/-290.943 χ^2/NDF: 91.8/90

- sign 585.377+/-406.818 χ^2/NDF: 43.8/46

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.6/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

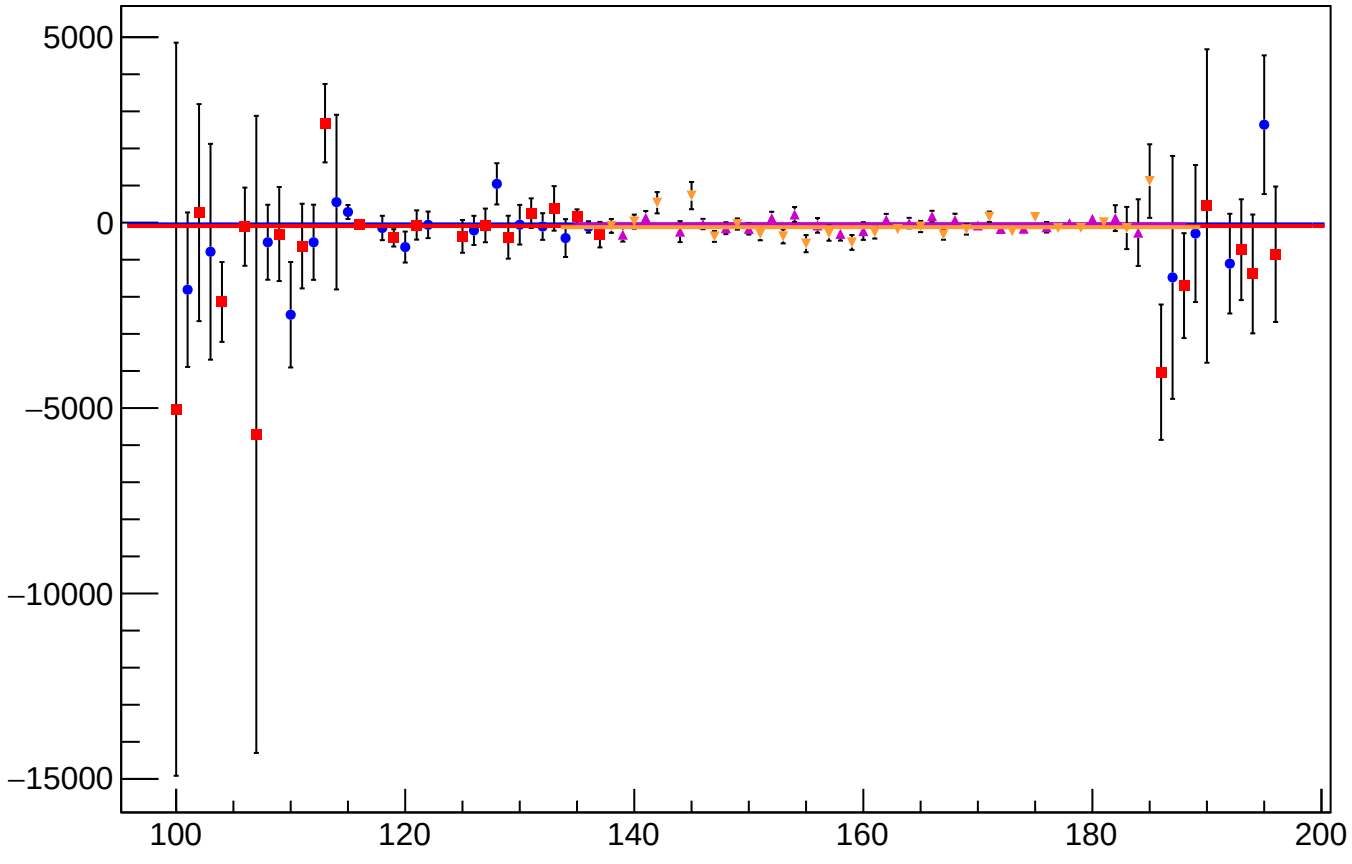
Right Out: 2278.973+/-0.478 χ^2/NDF: 177732.1/23

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.9/43

All: 2211.657+/-0.206 χ^2/NDF: 755585.4/90

- sign 2216.387+/-0.288 χ^2/NDF: 206424.0/46



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

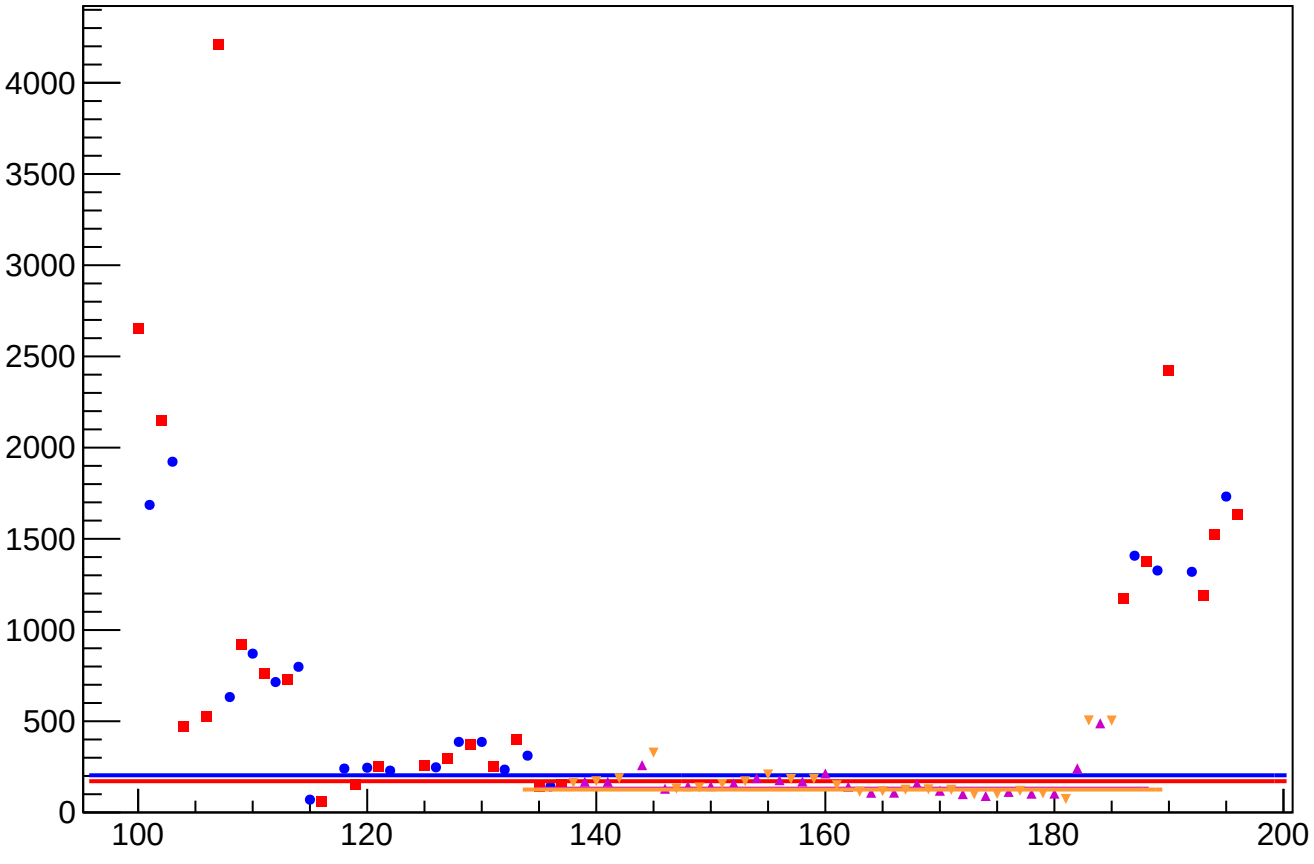
Right Out: -92.744+/-81.746 χ^2/NDF: 24.5/23

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.882+/-29.671 χ^2/NDF: 61.7/43

All: -86.015+/-21.178 χ^2/NDF: 106.6/90

- sign -56.030+/-30.239 χ^2/NDF: 43.0/46



Right In: 203.766+/-0.064 χ^2/NDF: 8821648.4/19

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 171.361+/-0.058 χ^2/NDF: 12639399.7/23

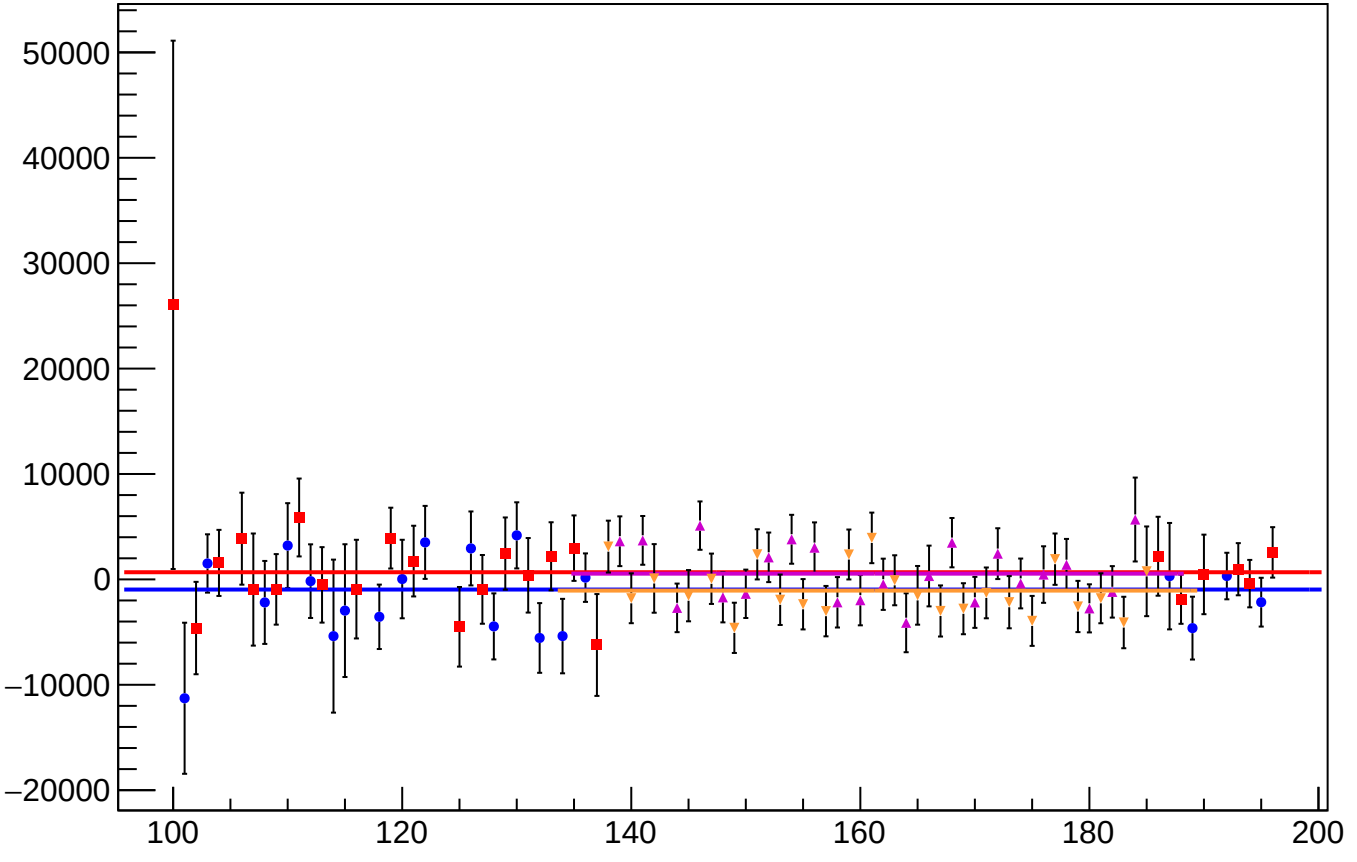
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.922+/-0.021 χ^2/NDF: 14101133.9/43

All: 134.965+/-0.015 χ^2/NDF: 29857312.7/90

- sign 136.049+/-0.021 χ^2/NDF: 15751135.5/46

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -963.531+/-734.437 χ^2/NDF: 18.1/19

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 678.672+/-678.722 χ^2/NDF: 14.4/23

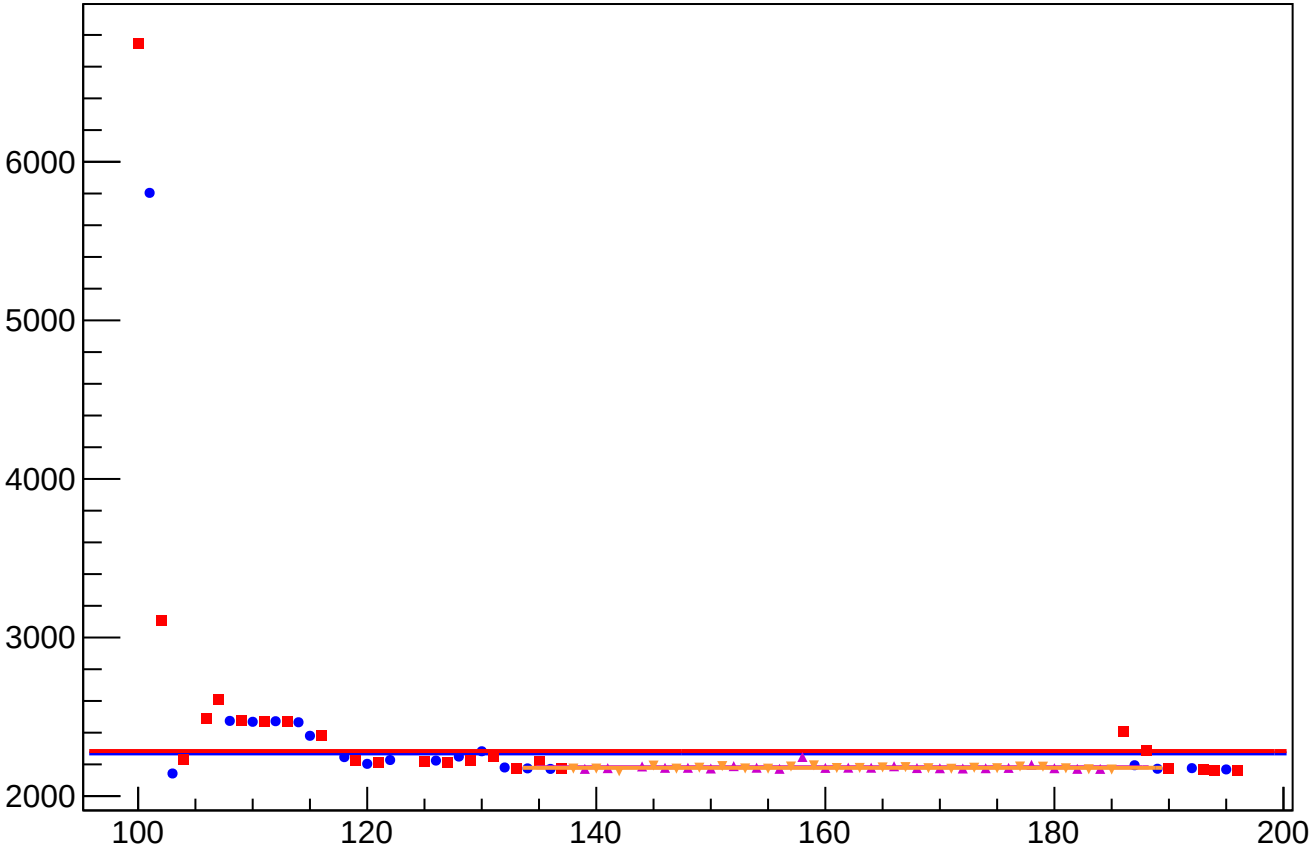
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -1030.589+/-416.472 χ^2/NDF: 40.0/43

All: -201.141+/-291.242 χ^2/NDF: 90.1/90

- sign 592.696+/-407.433 χ^2/NDF: 42.4/46

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2269.255+/-0.519 χ^2/NDF: 527731.2/19

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

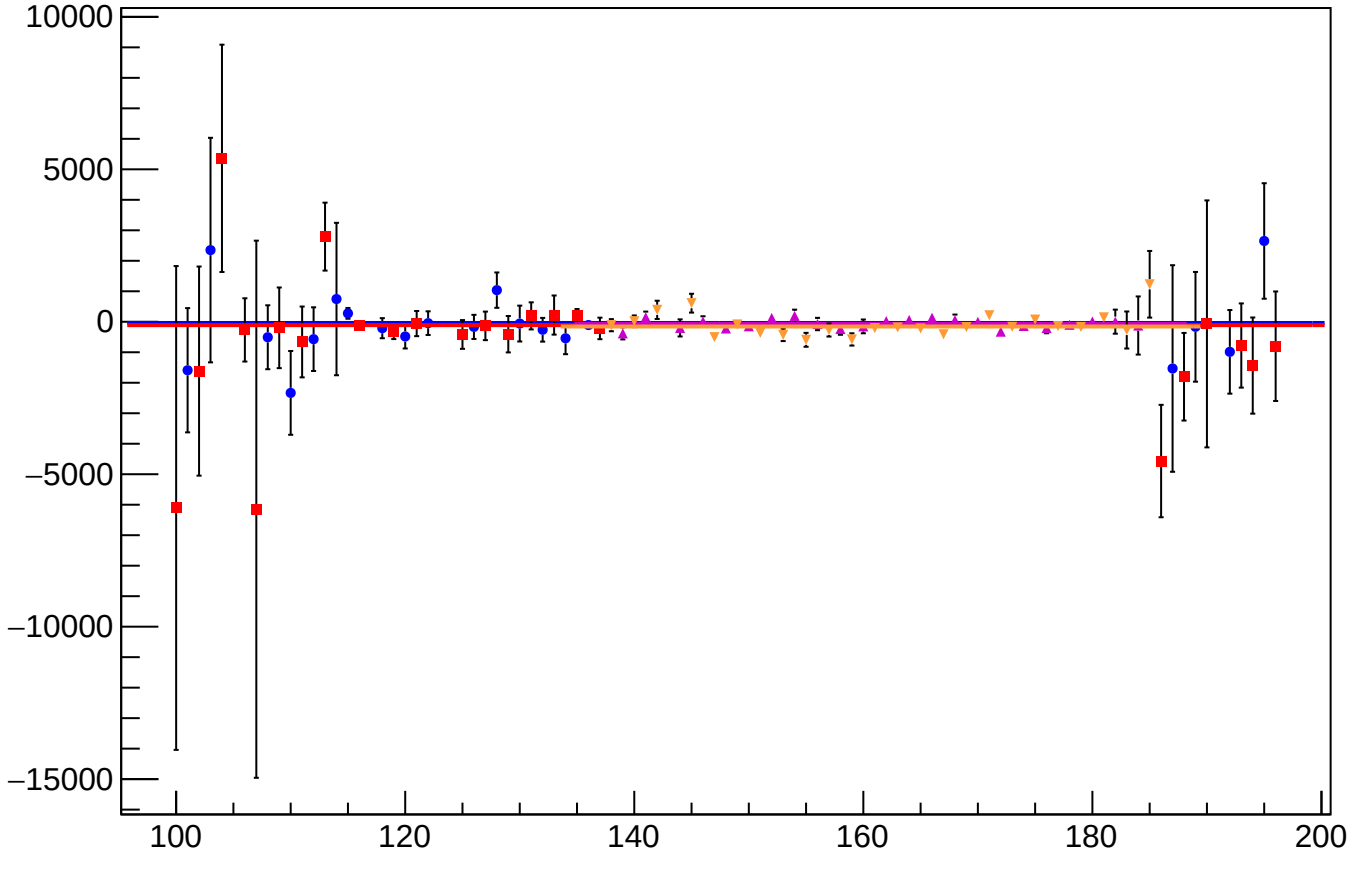
Right Out: 2284.150+/-0.480 χ^2/NDF: 192553.3/23

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.685+/-0.294 χ^2/NDF: 548905.0/43

All: 2213.332+/-0.206 χ^2/NDF: 773060.6/90

- sign 2218.735+/-0.288 χ^2/NDF: 223436.2/46



Right In: -39.459+/-91.937 χ^2/NDF: 16.7/19

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

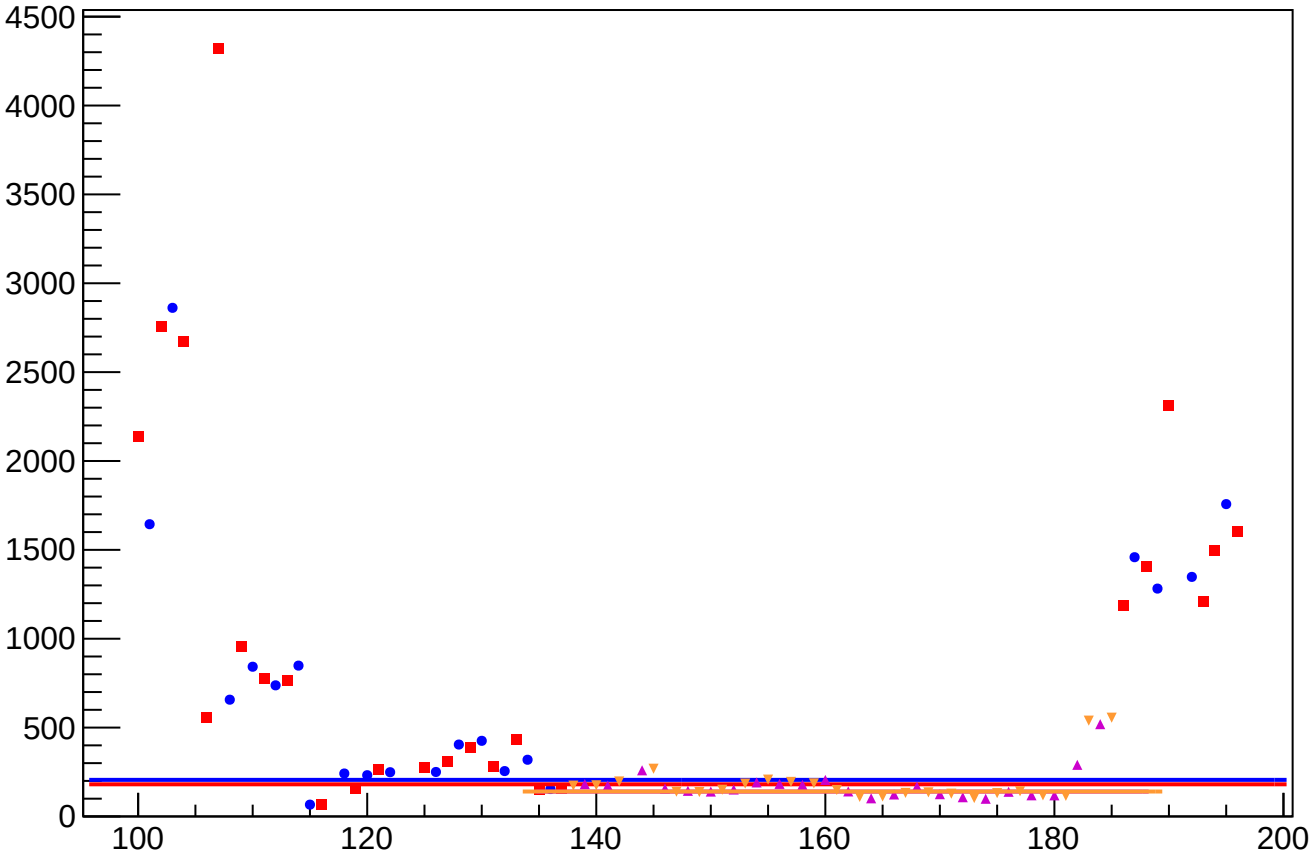
Right Out: -110.297+/-85.433 χ^2/NDF: 23.4/23

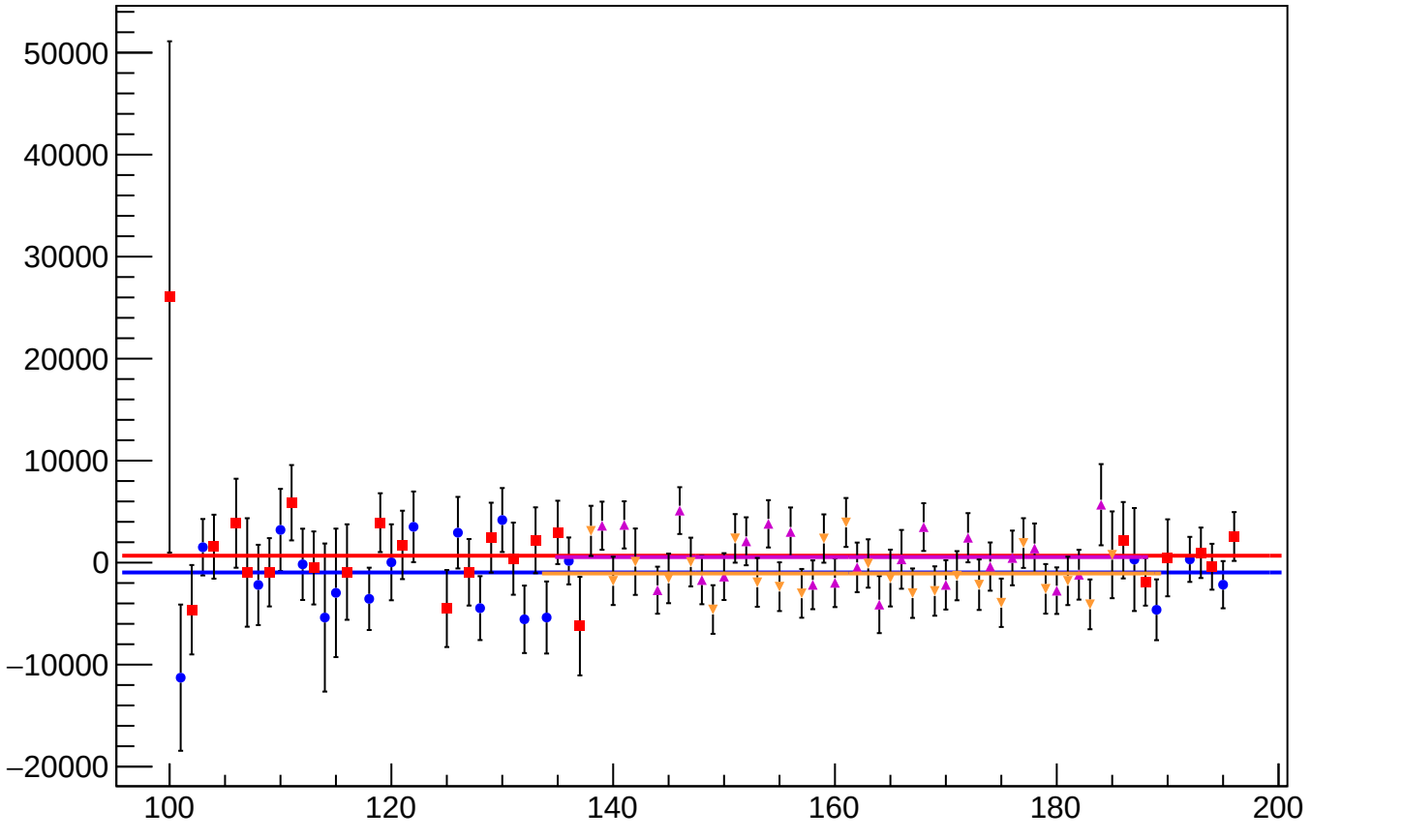
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -140.814+/-31.939 χ^2/NDF: 65.4/43

All: -108.062+/-22.519 χ^2/NDF: 110.0/90

- sign -75.689+/-31.754 χ^2/NDF: 42.5/46


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 205.902+/-0.065 χ²/NDF: 9372543.4/19
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 180.849+/-0.060 χ²/NDF: 13521909.4/23
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 148.234+/-0.023 χ²/NDF: 13027740.5/43
All: 146.922+/-0.016 χ²/NDF: 29363297.0/90
- sign 145.625+/-0.022 χ²/NDF: 16328844.0/46



Right In: -963.531+/-734.437 χ^2/NDF: 18.1/19

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 678.672+/-678.722 χ^2/NDF: 14.4/23

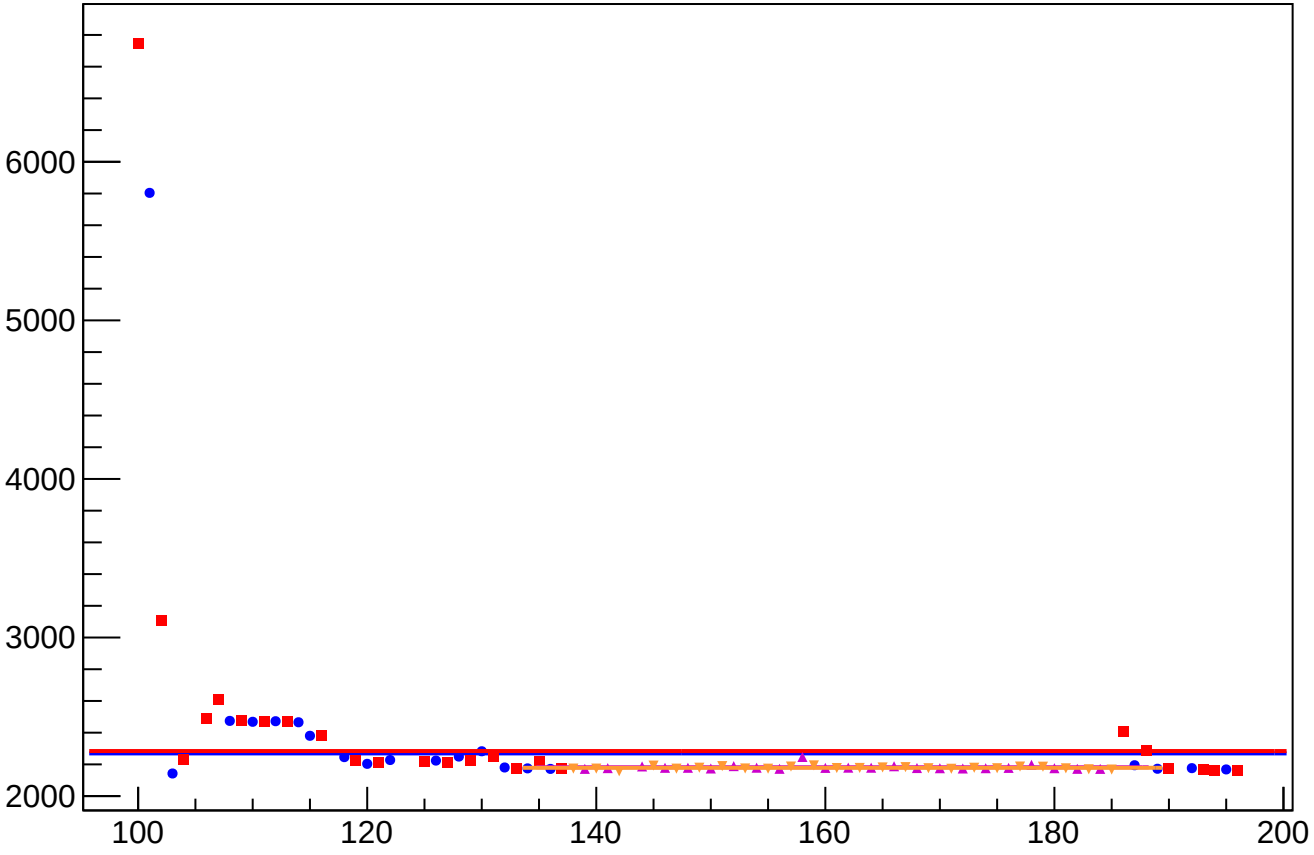
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -1030.589+/-416.472 χ^2/NDF: 40.0/43

All: -201.141+/-291.242 χ^2/NDF: 90.1/90

- sign 592.695+/-407.433 χ^2/NDF: 42.4/46

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2269.255+/-0.519 χ^2/NDF: 527731.2/19

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

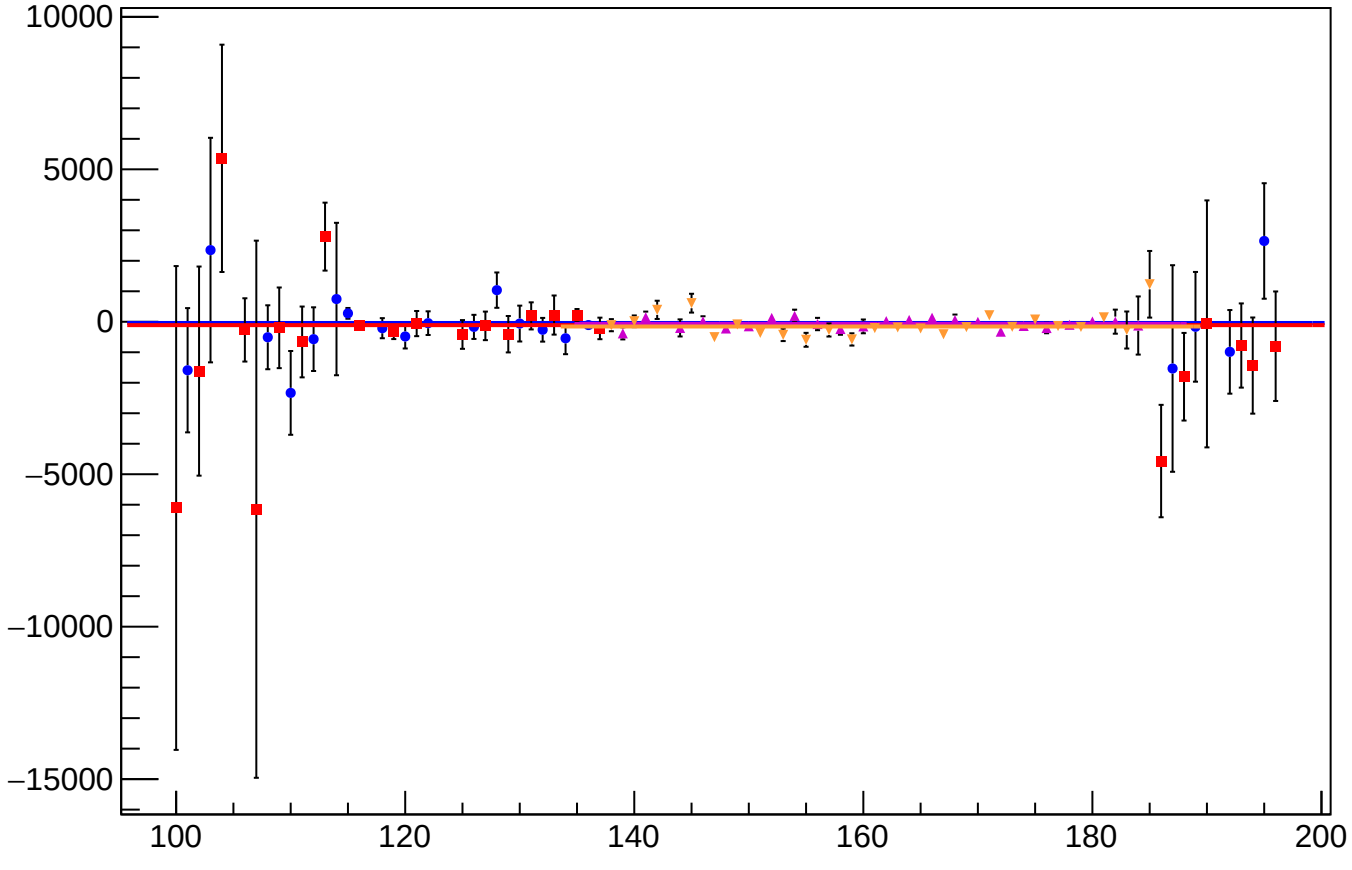
Right Out: 2284.150+/-0.480 χ^2/NDF: 192553.2/23

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.685+/-0.294 χ^2/NDF: 548905.1/43

All: 2213.332+/-0.206 χ^2/NDF: 773060.5/90

- sign 2218.735+/-0.288 χ^2/NDF: 223436.1/46



Right In: -39.456+/-91.936 χ^2/NDF: 16.7/19

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

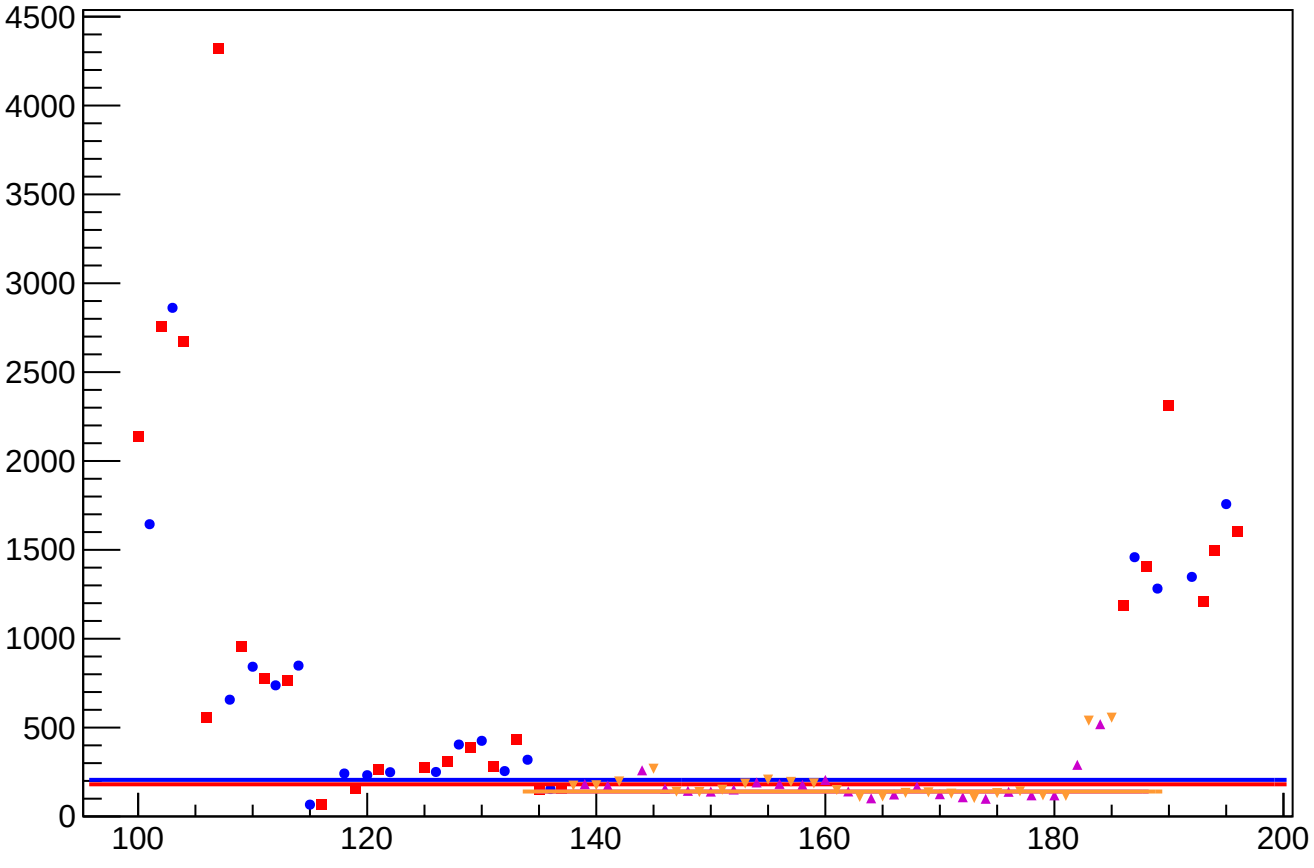
Right Out: -110.297+/-85.432 χ^2/NDF: 23.4/23

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -140.814+/-31.939 χ^2/NDF: 65.4/43

All: -108.062+/-22.519 χ^2/NDF: 110.0/90

- sign -75.688+/-31.754 χ^2/NDF: 42.5/46



Right In: 205.900+/-0.065 χ^2/NDF: 9372594.2/19

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 180.846+/-0.060 χ^2/NDF: 13521991.2/23

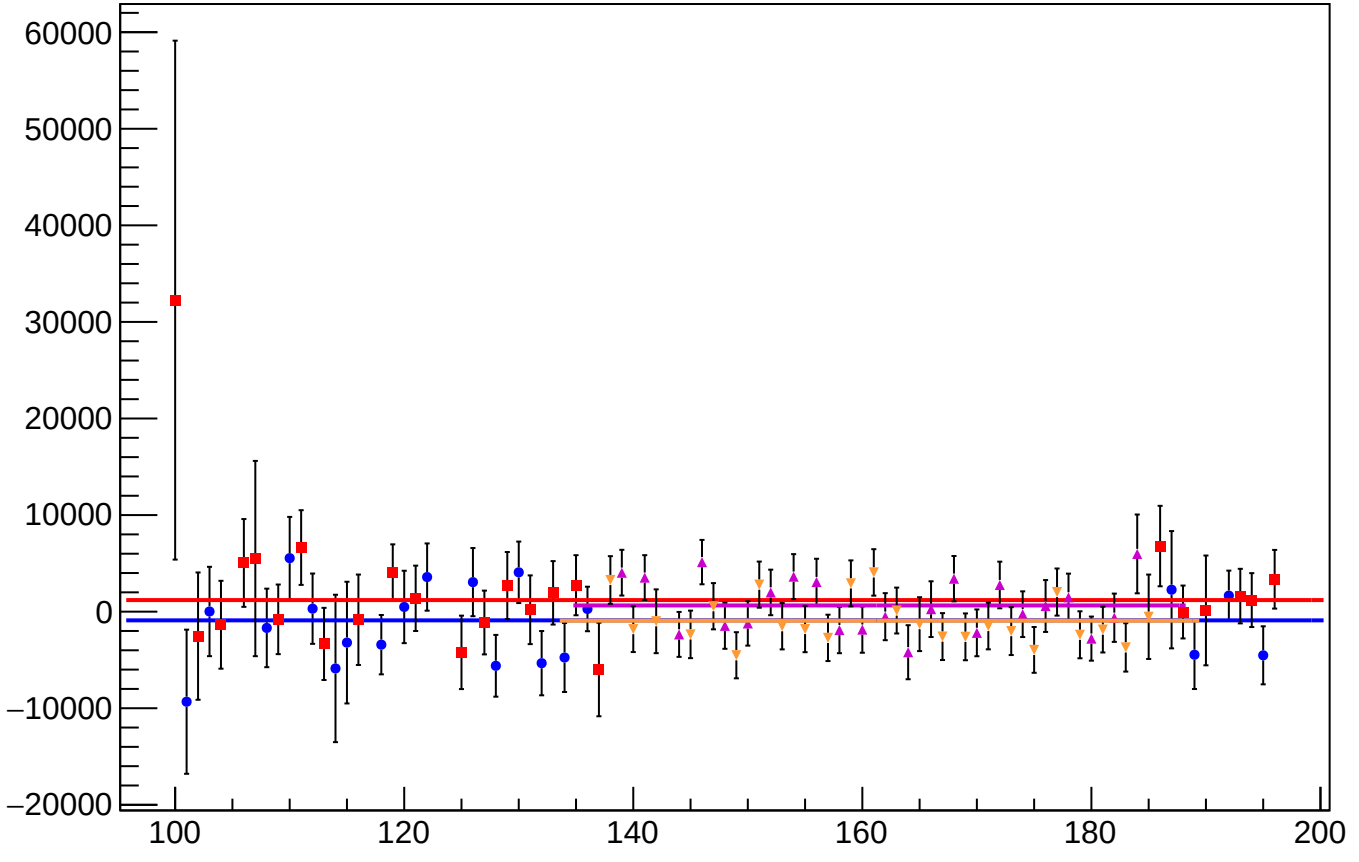
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 148.234+/-0.023 χ^2/NDF: 13027723.5/43

All: 146.922+/-0.016 χ^2/NDF: 29363370.6/90

- sign 145.625+/-0.022 χ^2/NDF: 16328933.2/46

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -901.518+/-801.334 χ^2/NDF: 19.5/19

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1198.183+/-757.353 χ^2/NDF: 15.7/23

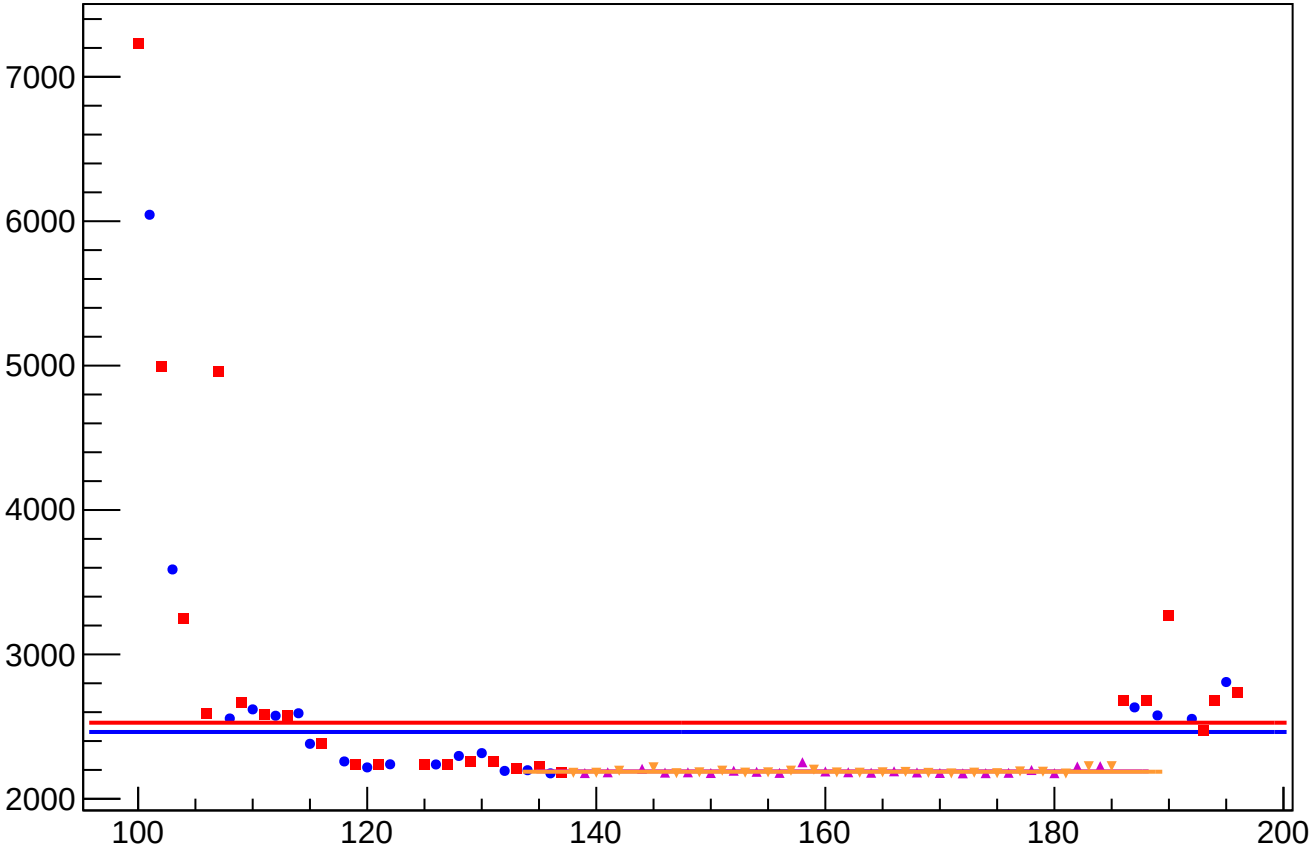
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -923.270+/-428.879 χ^2/NDF: 41.9/43

All: -42.941+/-301.455 χ^2/NDF: 93.3/90

- sign 816.696+/-423.809 χ^2/NDF: 43.0/46

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2462.789+/-0.567 χ^2/NDF: 716702.8/19

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

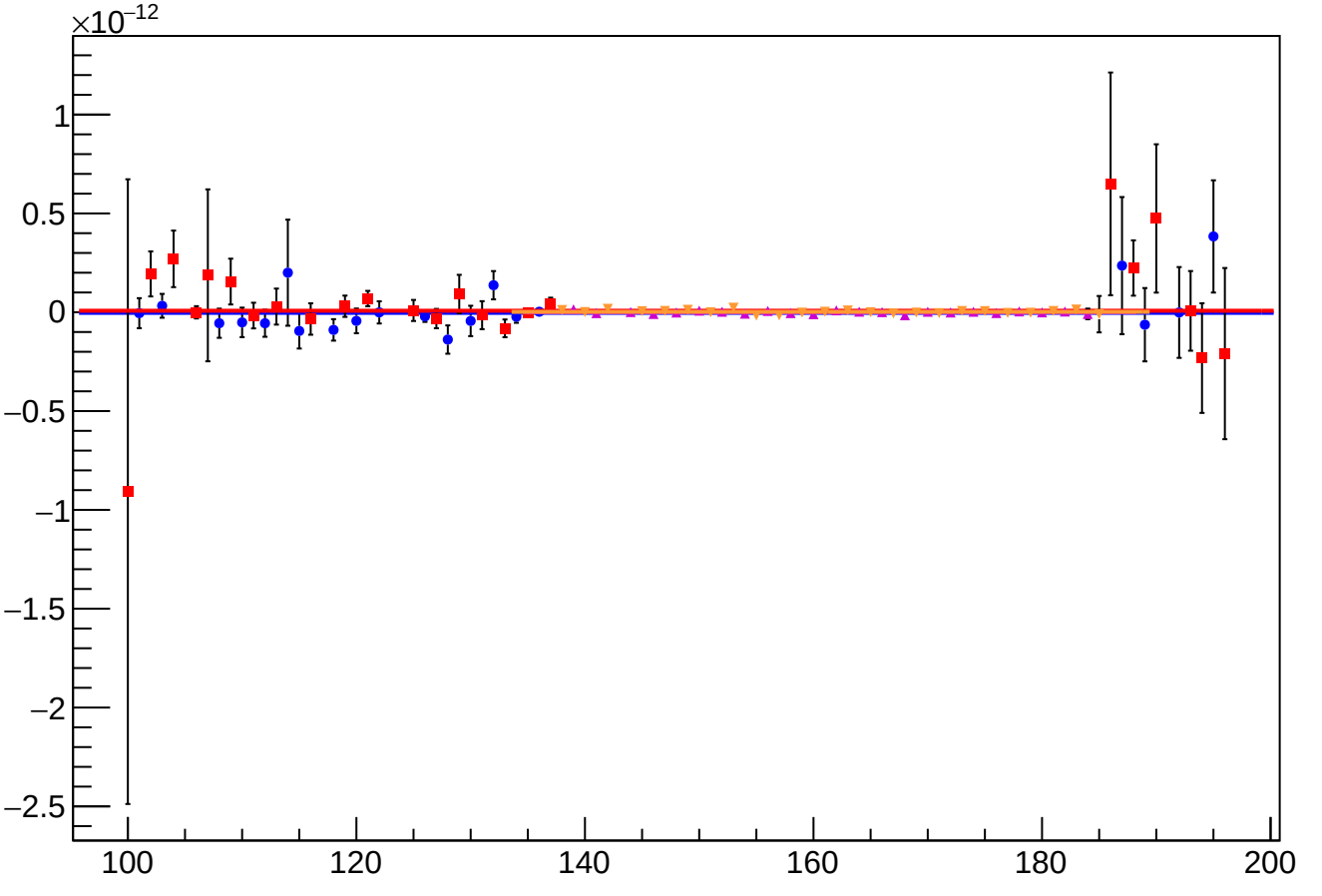
Right Out: 2526.995+/-0.536 χ^2/NDF: 706120.4/23

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2266.441+/-0.303 χ^2/NDF: 886324.0/43

All: 2281.214+/-0.213 χ^2/NDF: 1871401.5/90

- sign 2295.640+/-0.300 χ^2/NDF: 980387.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

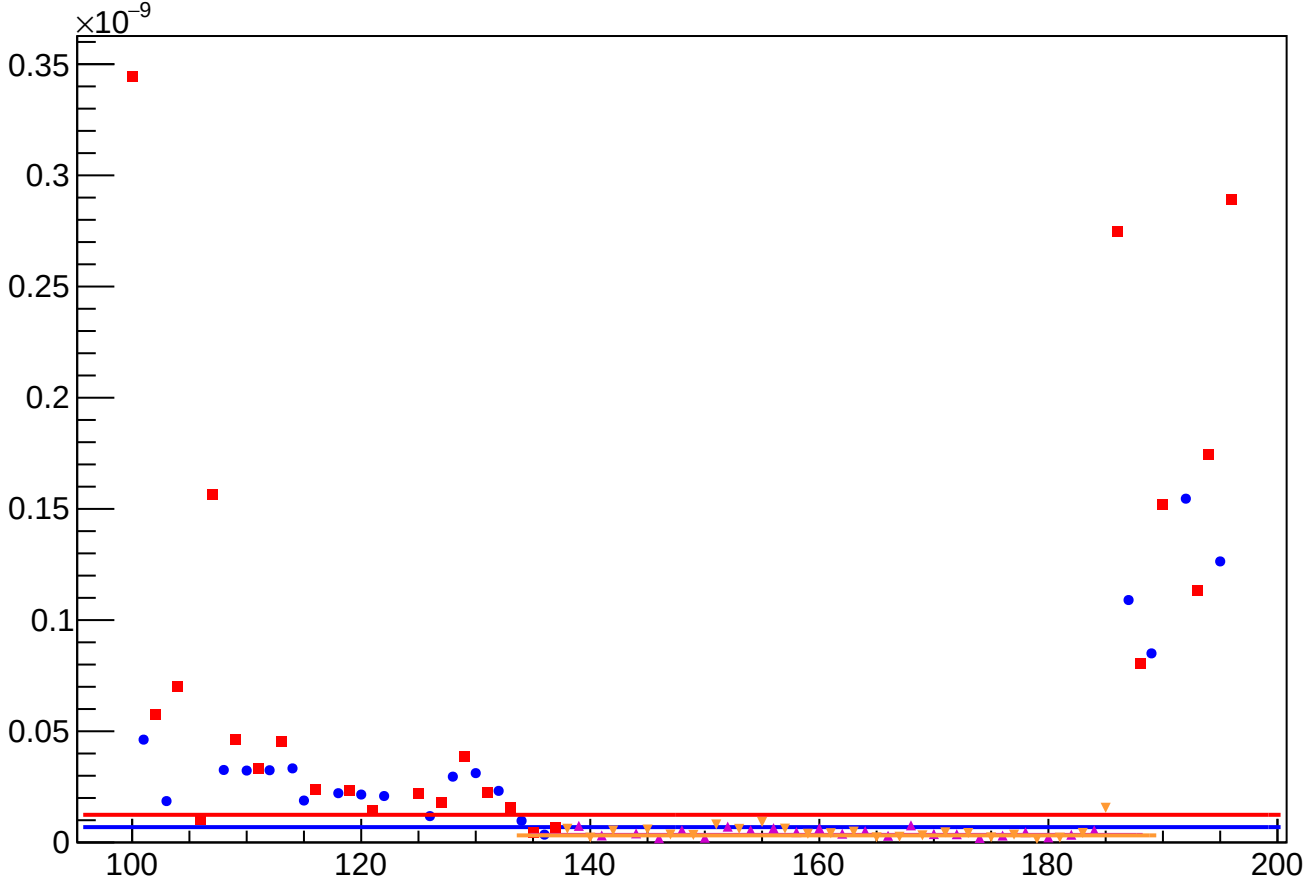
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/43

All: 0.000+/-0.000 χ^2/NDF: 77.4/90

- sign 0.000+/-0.000 χ^2/NDF: 39.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 4570555.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

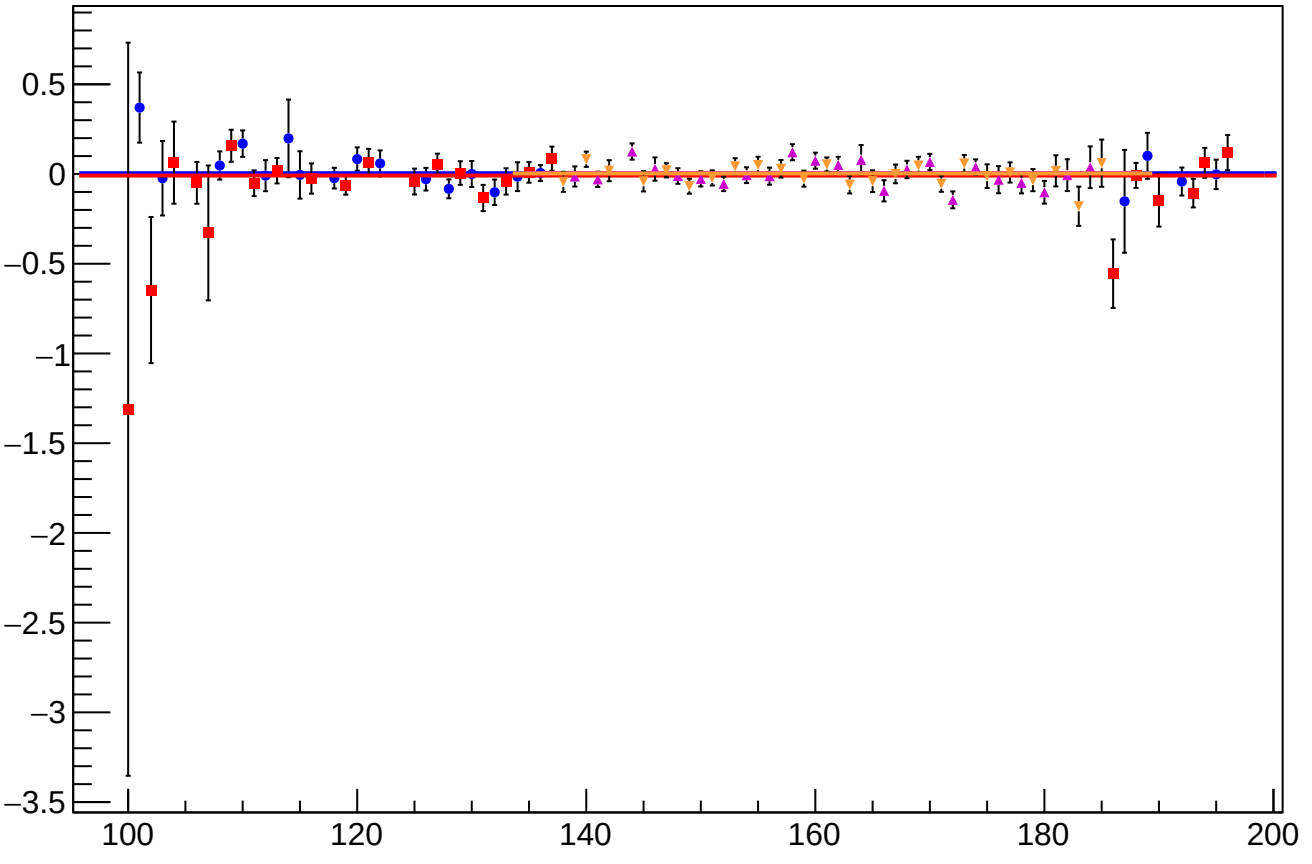
Right Out: 0.000+/-0.000 χ^2/NDF: 5908682.4/23

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7296574.5/43

All: 0.000+/-0.000 χ^2/NDF: 16621839.3/90

- sign 0.000+/-0.000 χ^2/NDF: 9296155.8/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

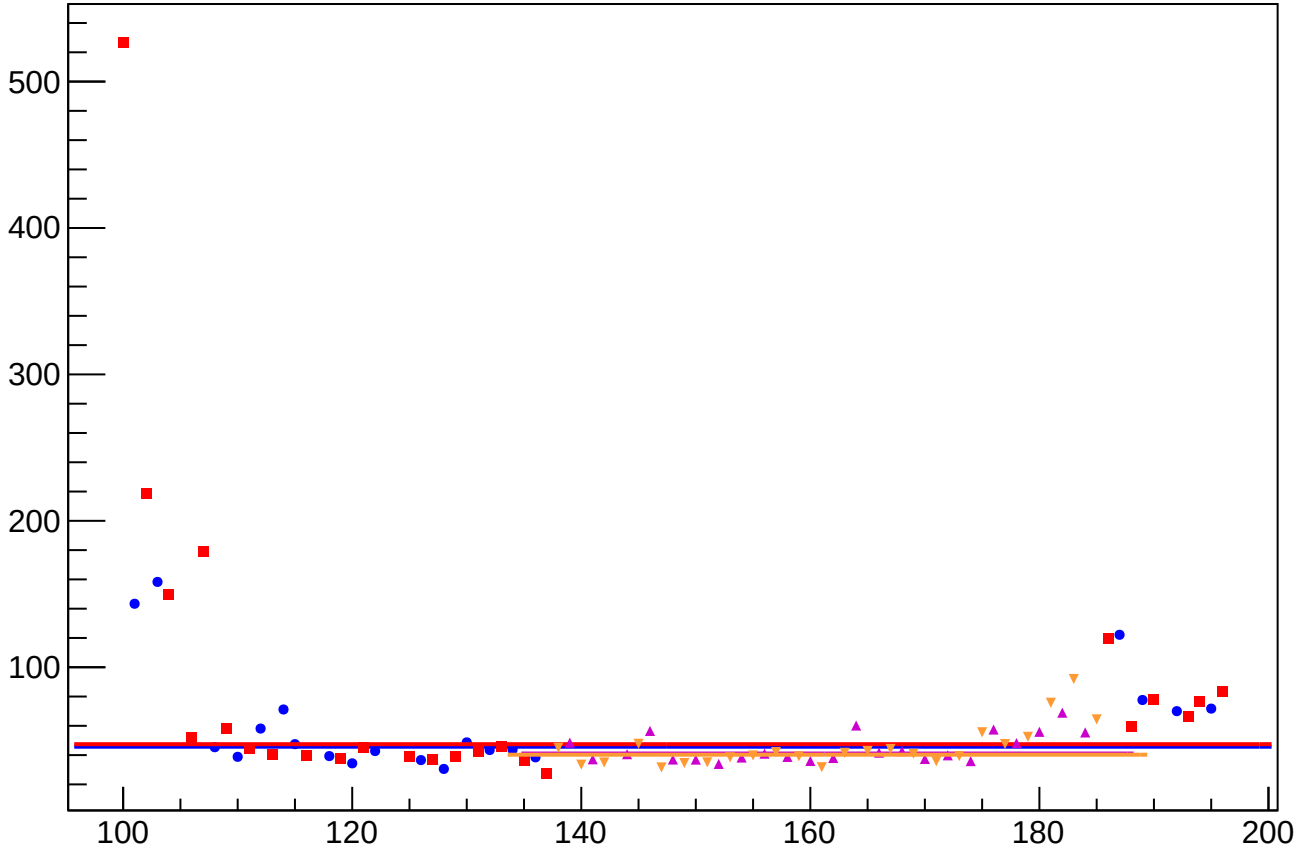
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/43

All: 0.002+/-0.006 χ^2/NDF: 111.6/90

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

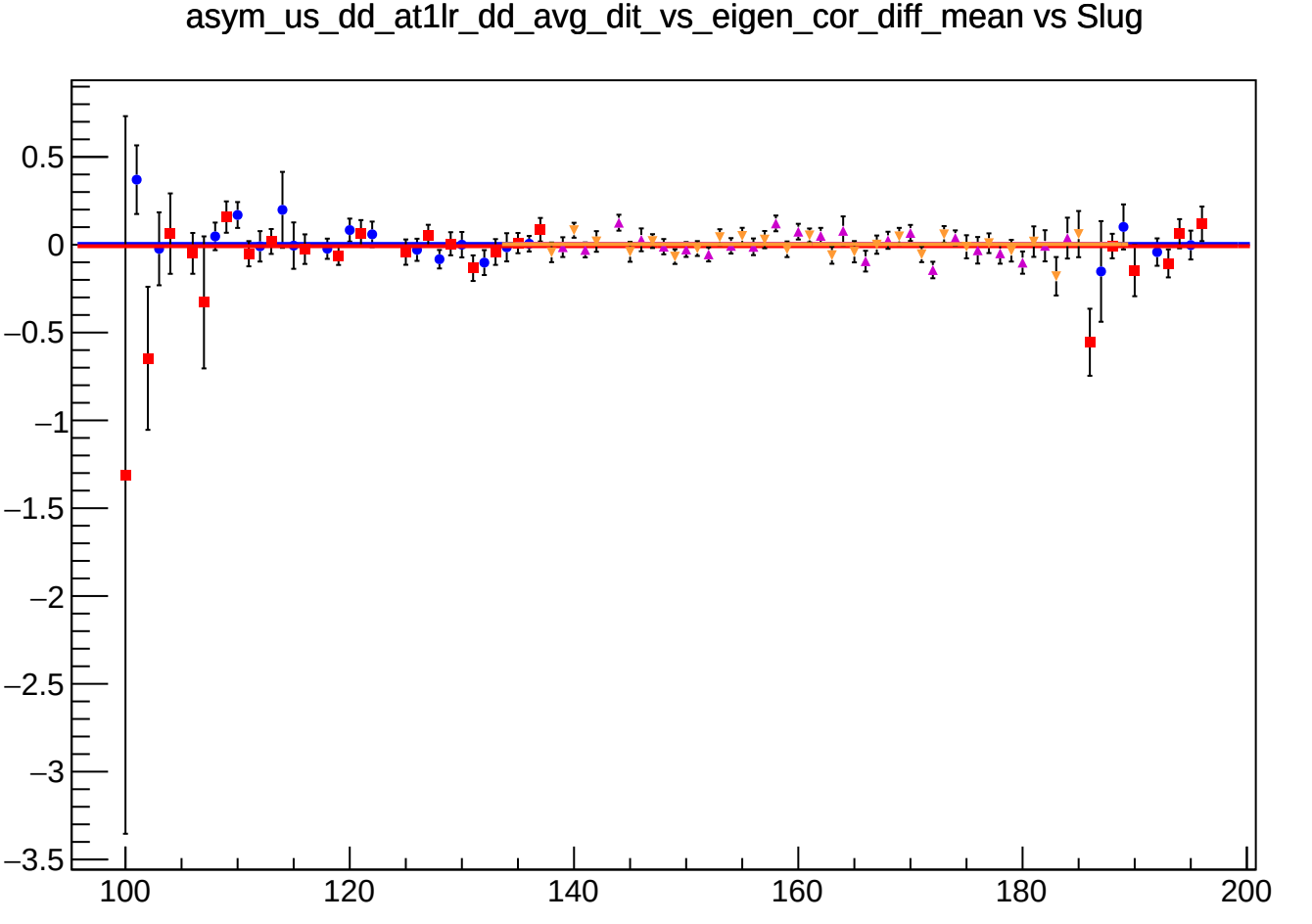
Right Out: 47.456+/-0.012 χ^2/NDF: 2682740.2/23

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.735+/-0.006 χ^2/NDF: 3829281.1/43

All: 42.315+/-0.004 χ^2/NDF: 7663800.6/90

- sign 42.901+/-0.006 χ^2/NDF: 3817384.2/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

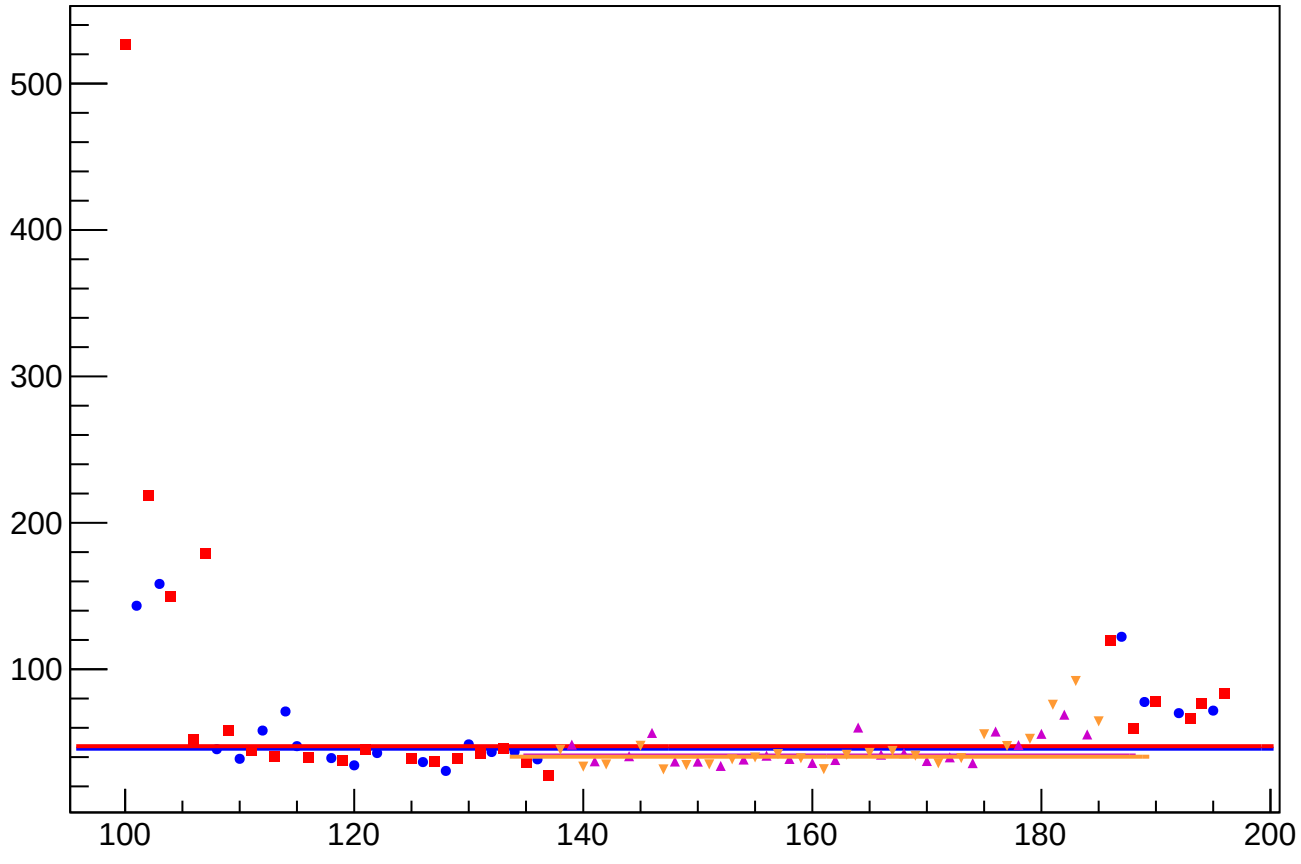
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/43

All: 0.002+/-0.006 χ^2/NDF: 111.6/90

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

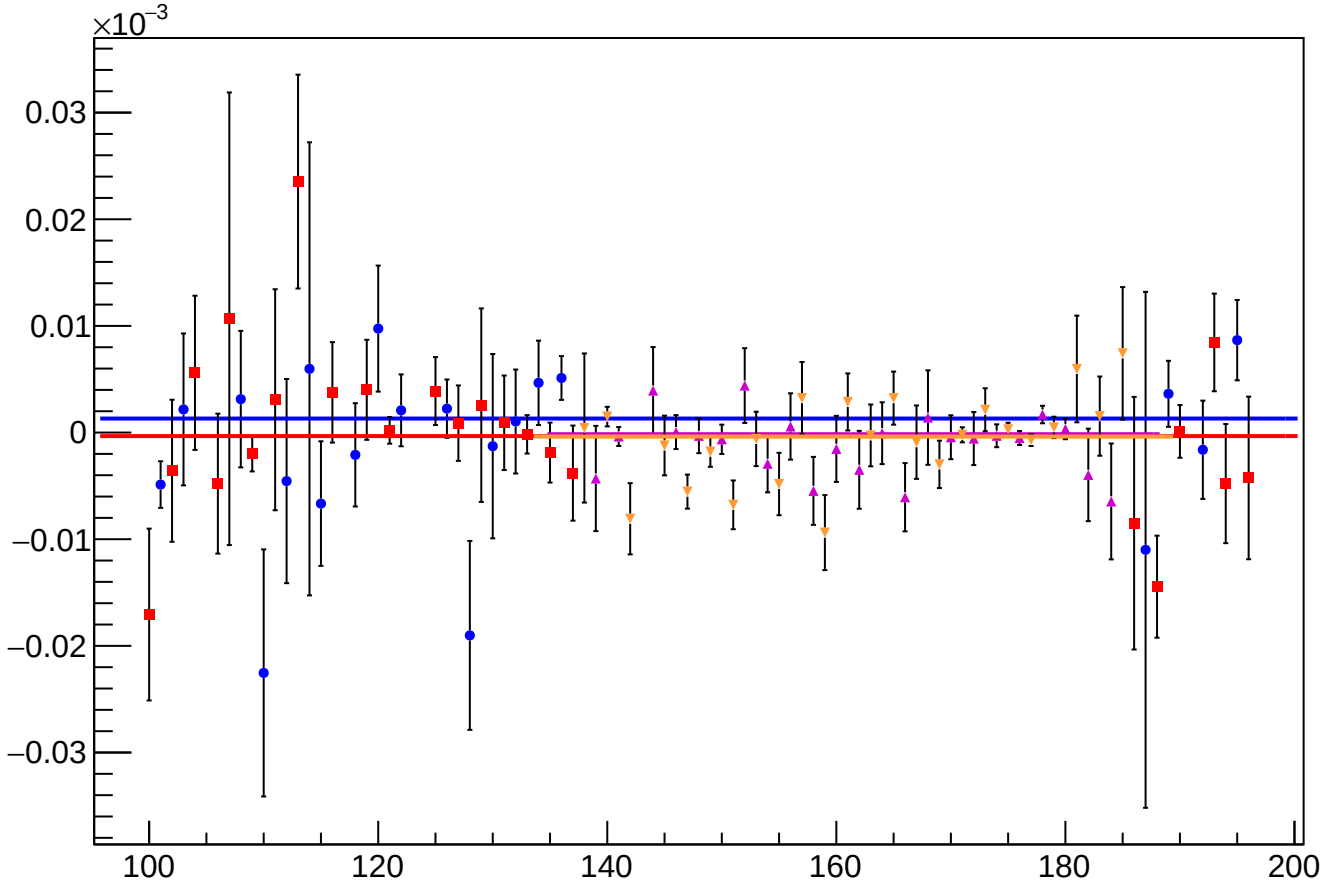
Right Out: 47.456+/-0.012 χ^2/NDF: 2682740.2/23

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.735+/-0.006 χ^2/NDF: 3829281.1/43

All: 42.315+/-0.004 χ^2/NDF: 7663800.6/90

- sign 42.901+/-0.006 χ^2/NDF: 3817384.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

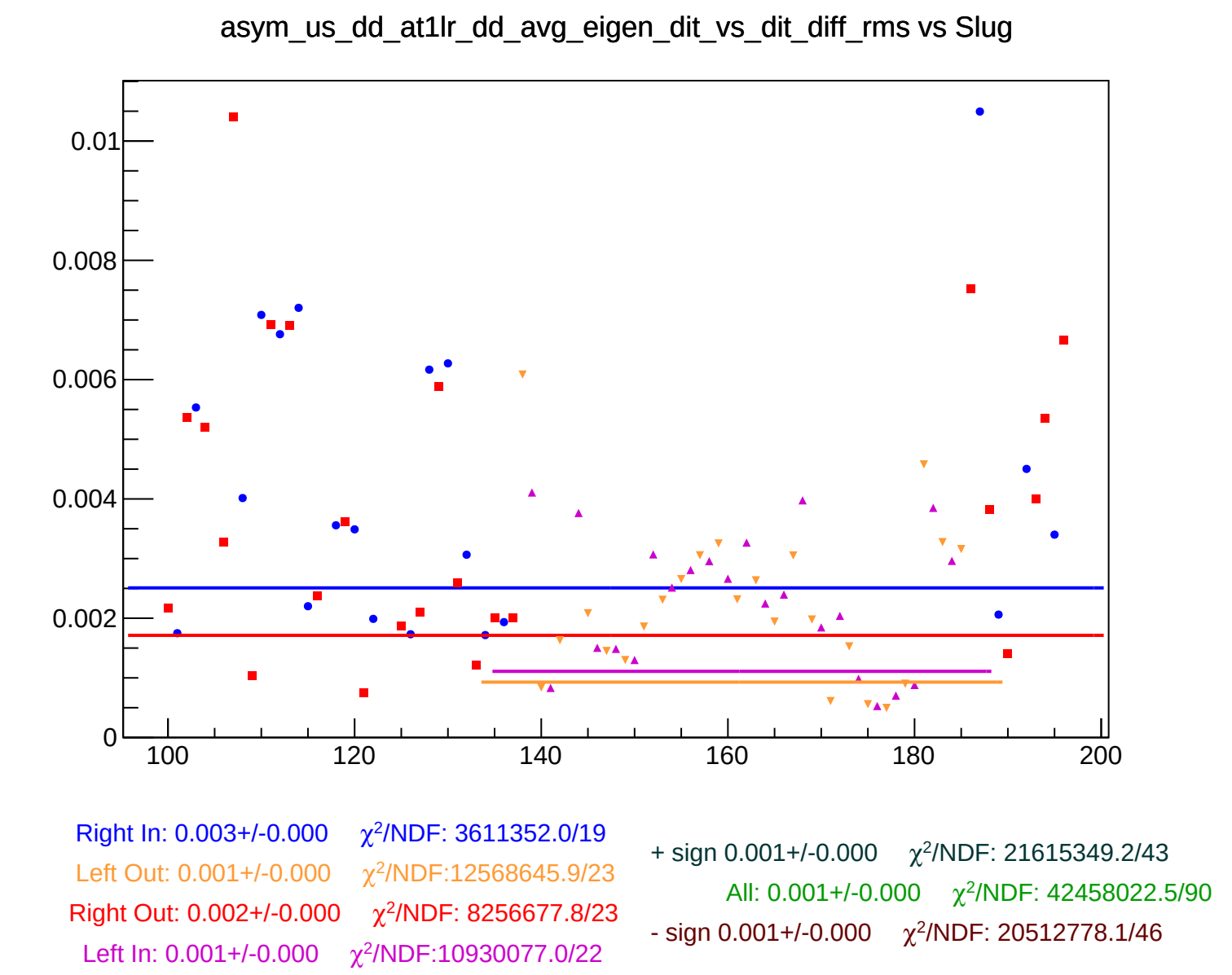
Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/23

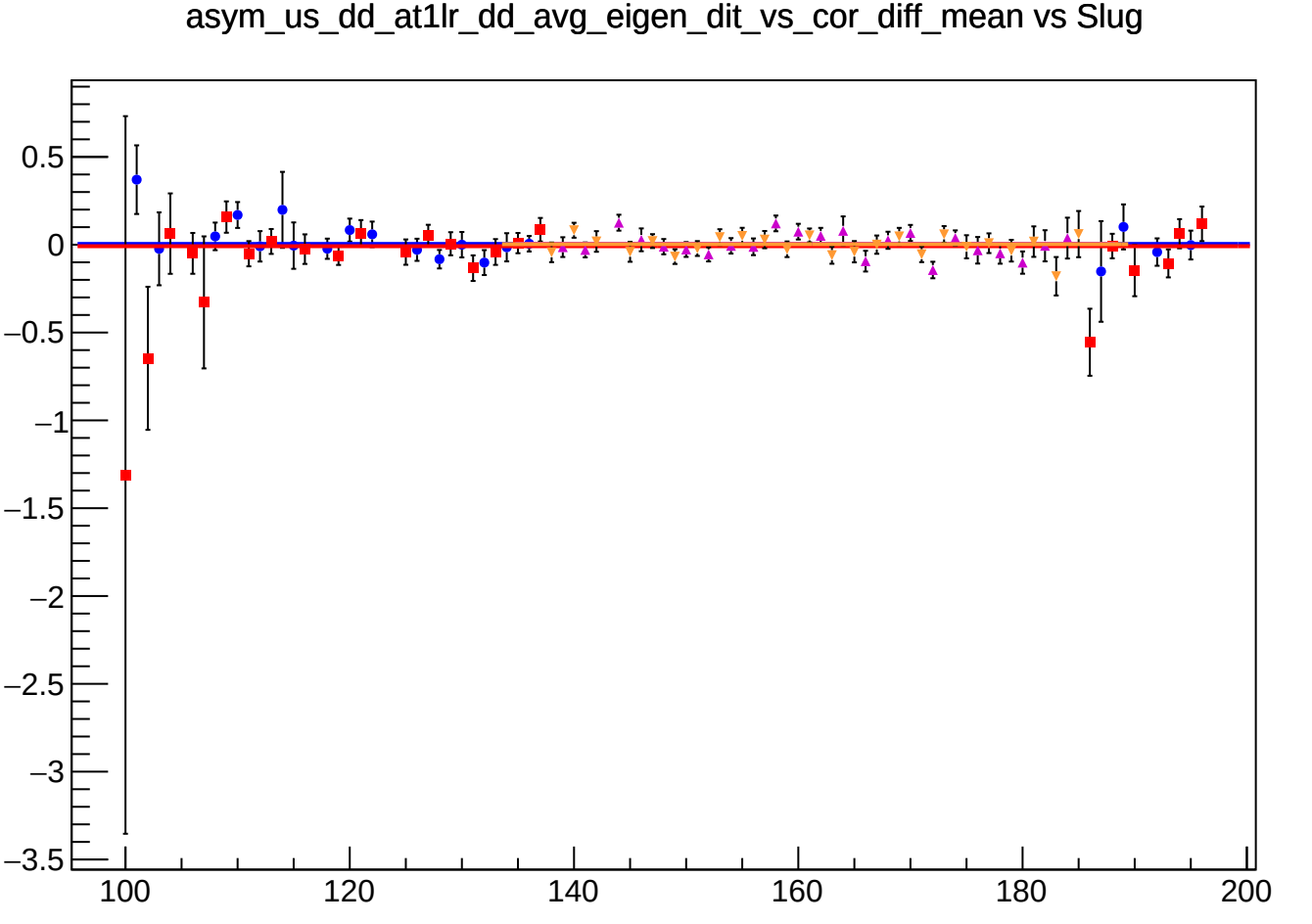
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.2/43

All: -0.000+/-0.000 χ^2/NDF: 137.4/90

- 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: 3611352.0/19
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: 21615349.2/43
All: 0.001+/-0.000 χ²/NDF: 42458022.5/90
- sign 0.001+/-0.000 χ²/NDF: 20512778.1/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

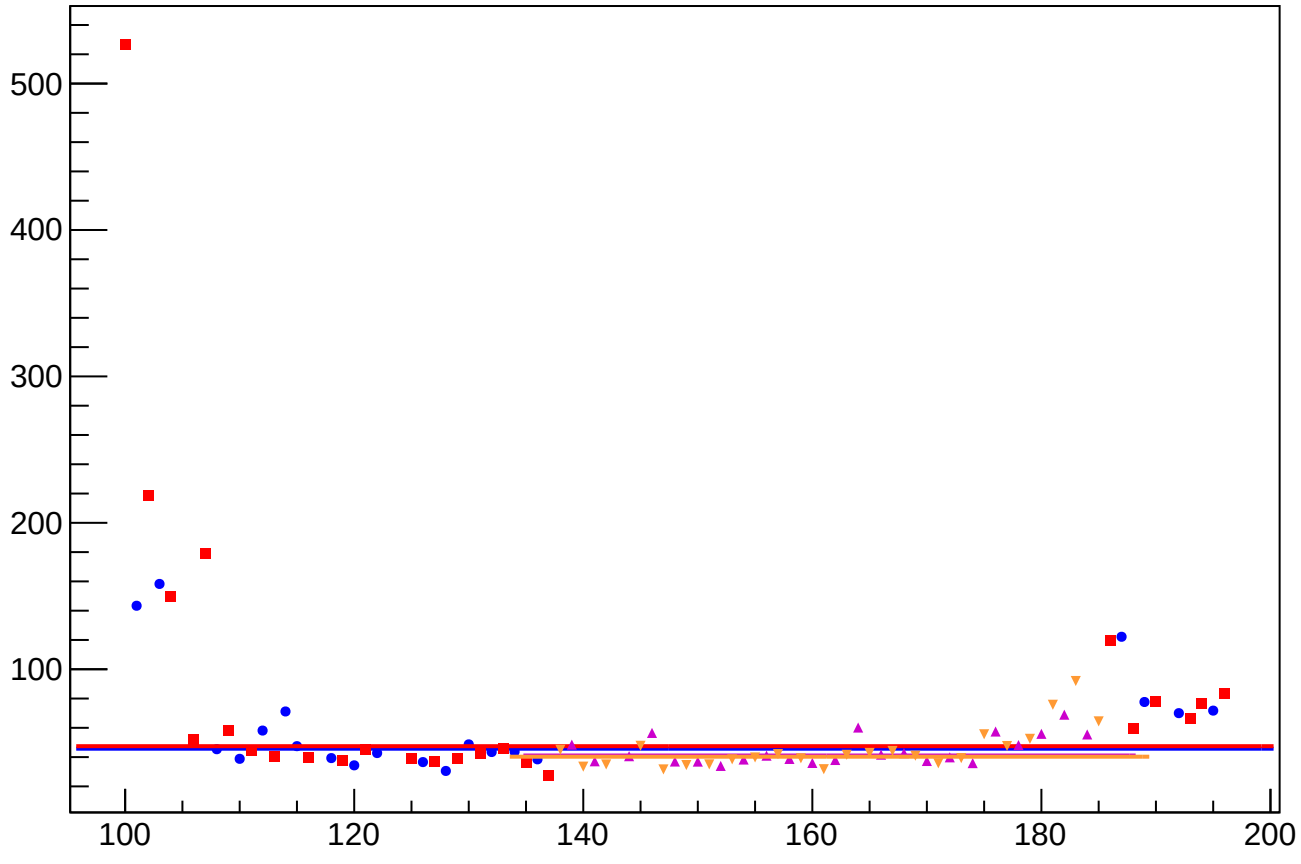
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/43

All: 0.002+/-0.006 χ^2/NDF: 111.6/90

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46



Right In: 45.739+/-0.012 χ^2/NDF: 2192324.2/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

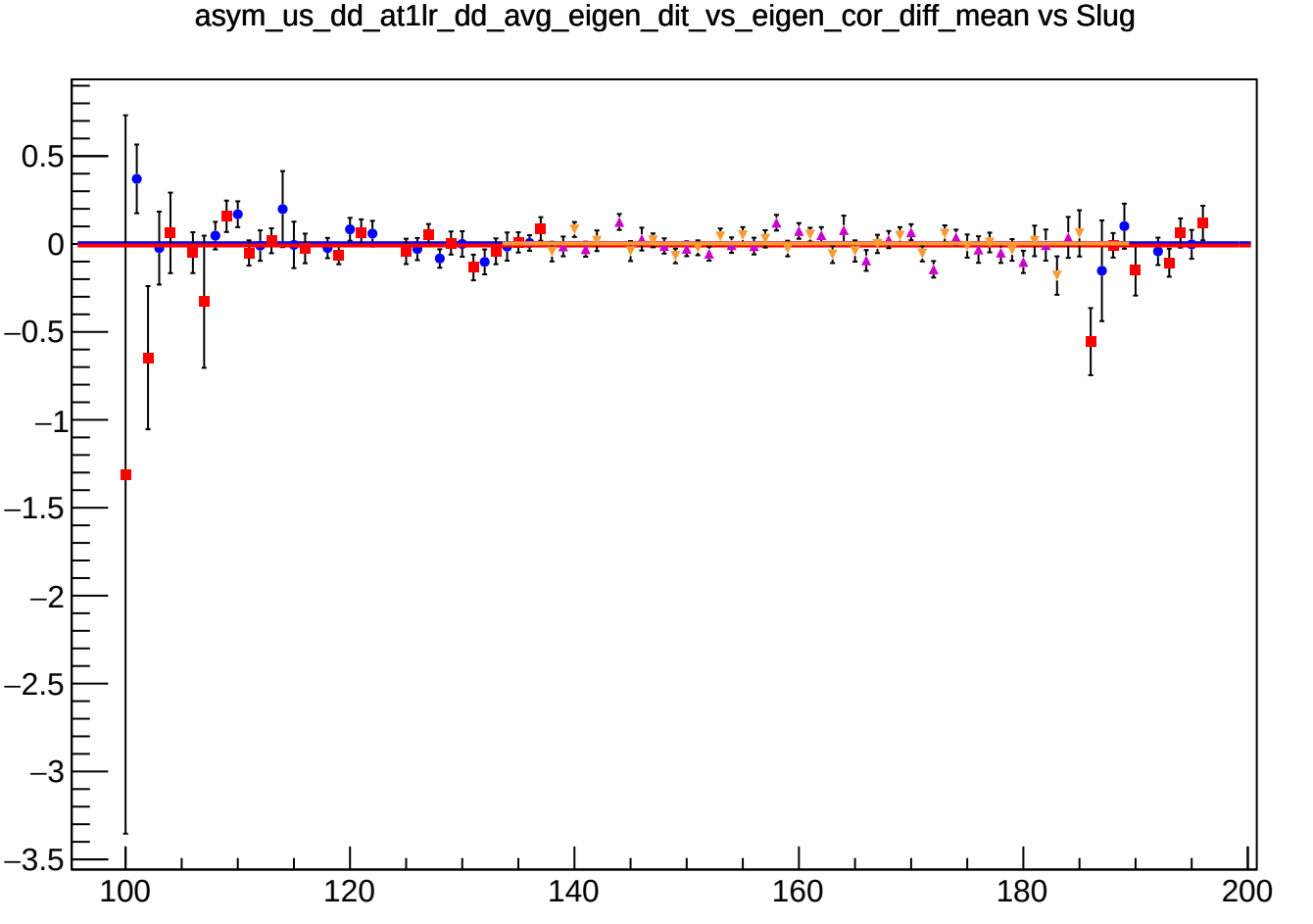
Right Out: 47.456+/-0.012 χ^2/NDF: 2682734.0/23

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 41.735+/-0.006 χ^2/NDF: 3829455.0/43

All: 42.315+/-0.004 χ^2/NDF: 7664058.8/90

\- sign 42.901+/-0.006 χ^2/NDF: 3817449.4/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

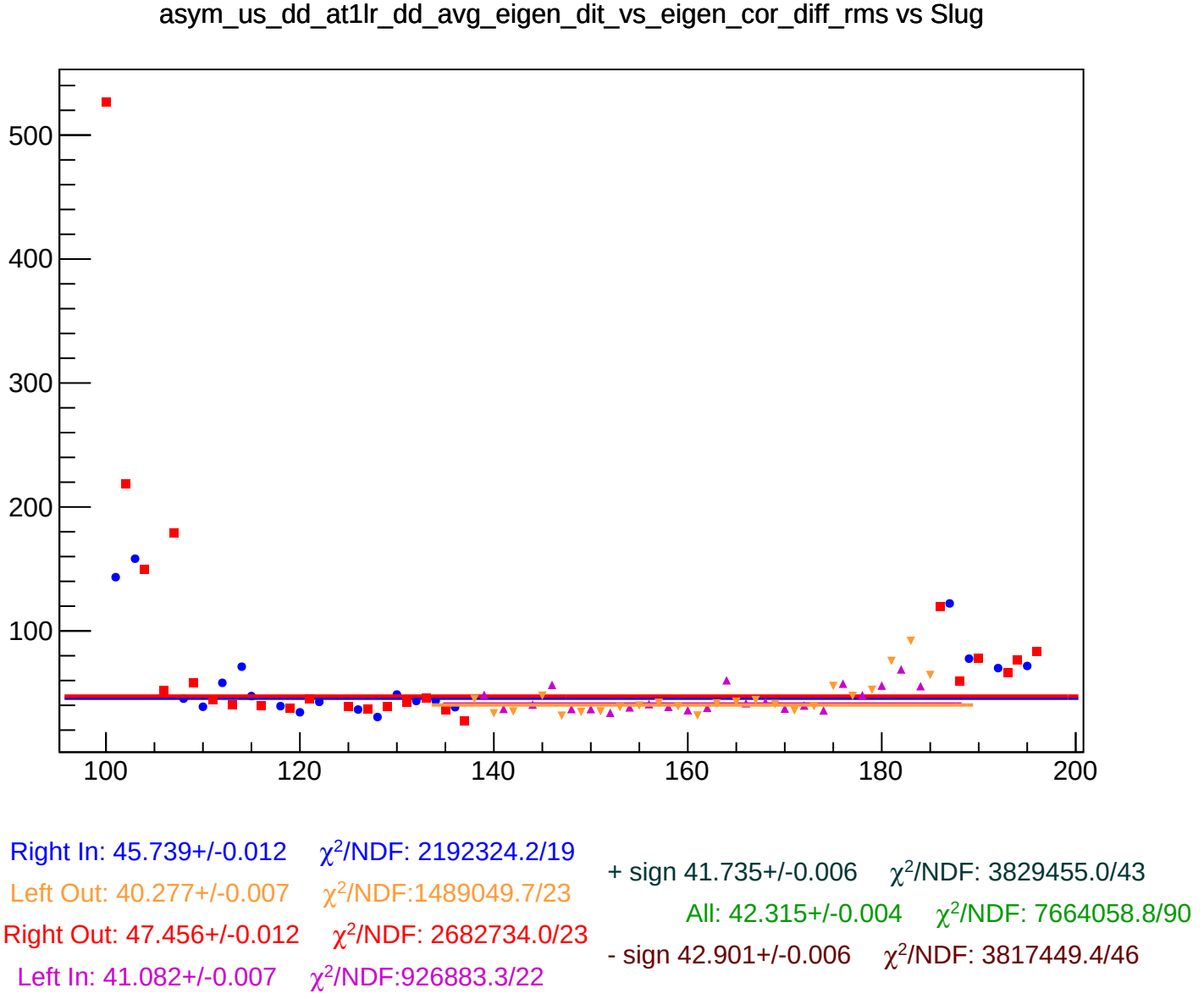
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

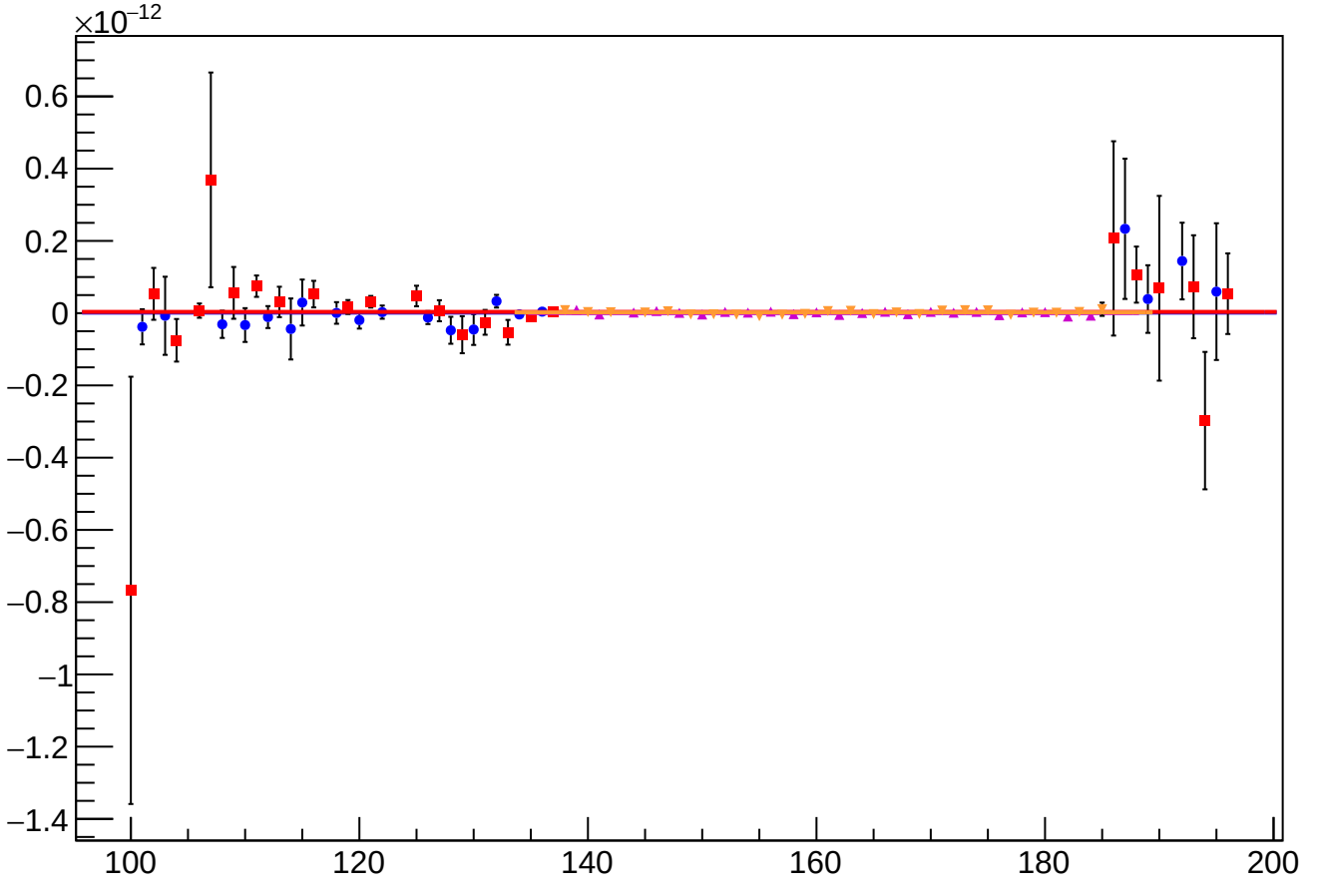
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/43

All: 0.002+/-0.006 χ^2/NDF: 111.6/90

- 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
500
400
300
200
100
100
120
140
160
180
200
Right In: 45.739+/-0.012 χ²/NDF: 2192324.2/19
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 47.456+/-0.012 χ²/NDF: 2682734.0/23
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 41.735+/-0.006 χ²/NDF: 3829455.0/43
All: 42.315+/-0.004 χ²/NDF: 7664058.8/90
- sign 42.901+/-0.006 χ²/NDF: 3817449.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

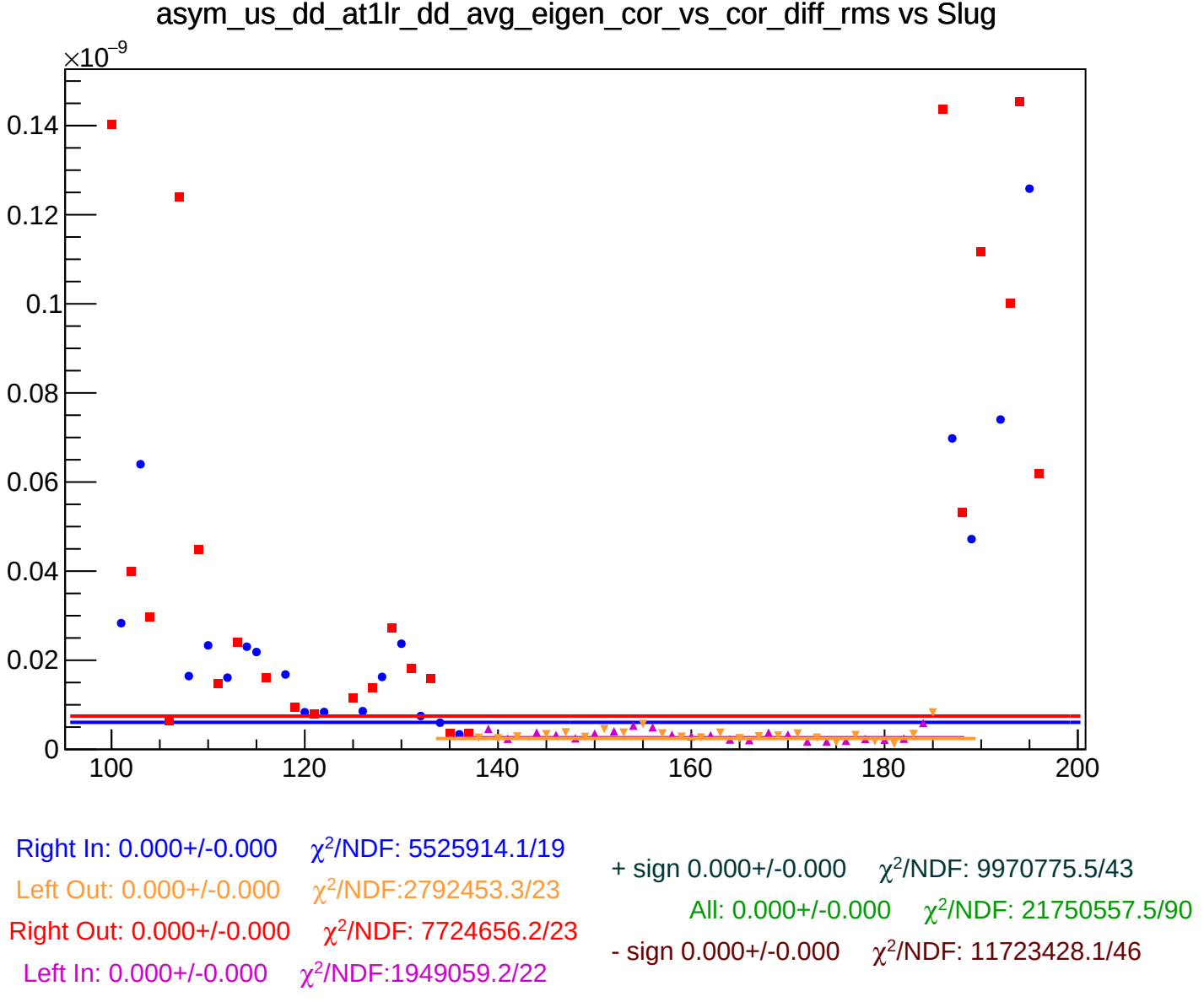
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/23

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

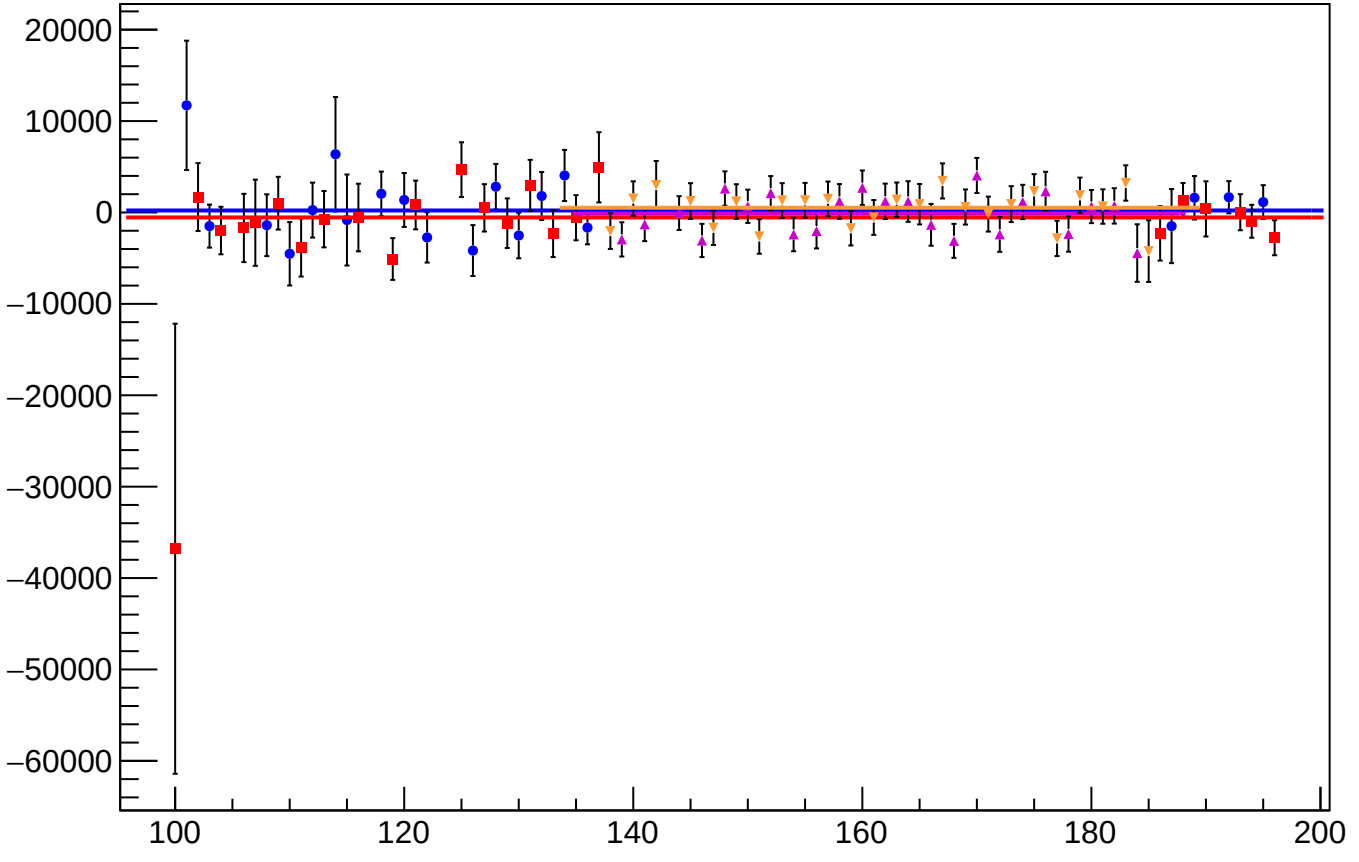
+ sign 0.000+/-0.000 χ^2/NDF: 39.2/43

All: 0.000+/-0.000 χ^2/NDF: 98.9/90

- 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: 5525914.1/19
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: 9970775.5/43
All: 0.000+/-0.000 χ²/NDF: 21750557.5/90
- sign 0.000+/-0.000 χ²/NDF: 11723428.1/46

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 217.579+/-593.379 χ^2/NDF: 17.7/19

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -543.771+/-548.702 χ^2/NDF: 18.8/23

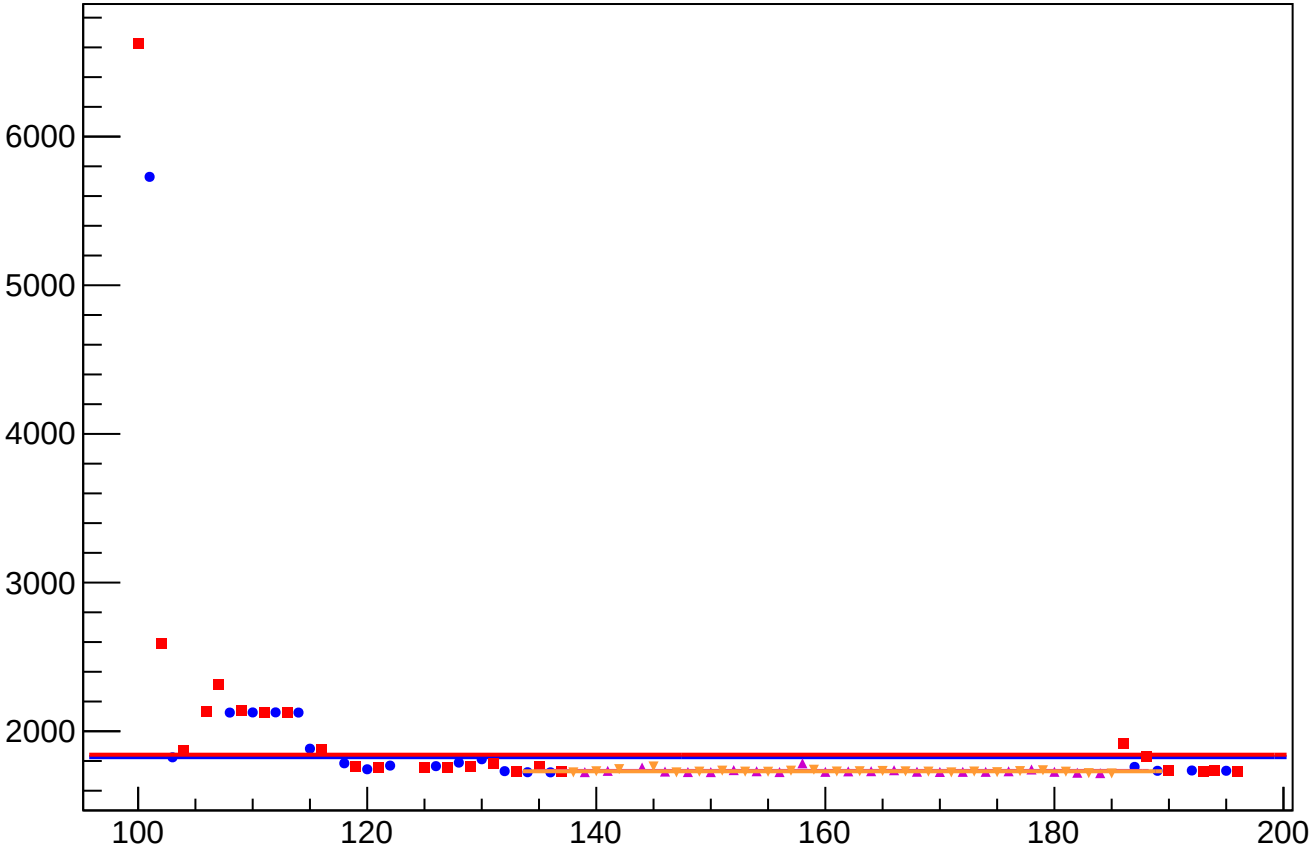
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 424.910+/-332.647 χ^2/NDF: 38.6/43

All: 68.454+/-232.707 χ^2/NDF: 89.5/90

- sign -273.180+/-325.658 χ^2/NDF: 48.7/46

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.3/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

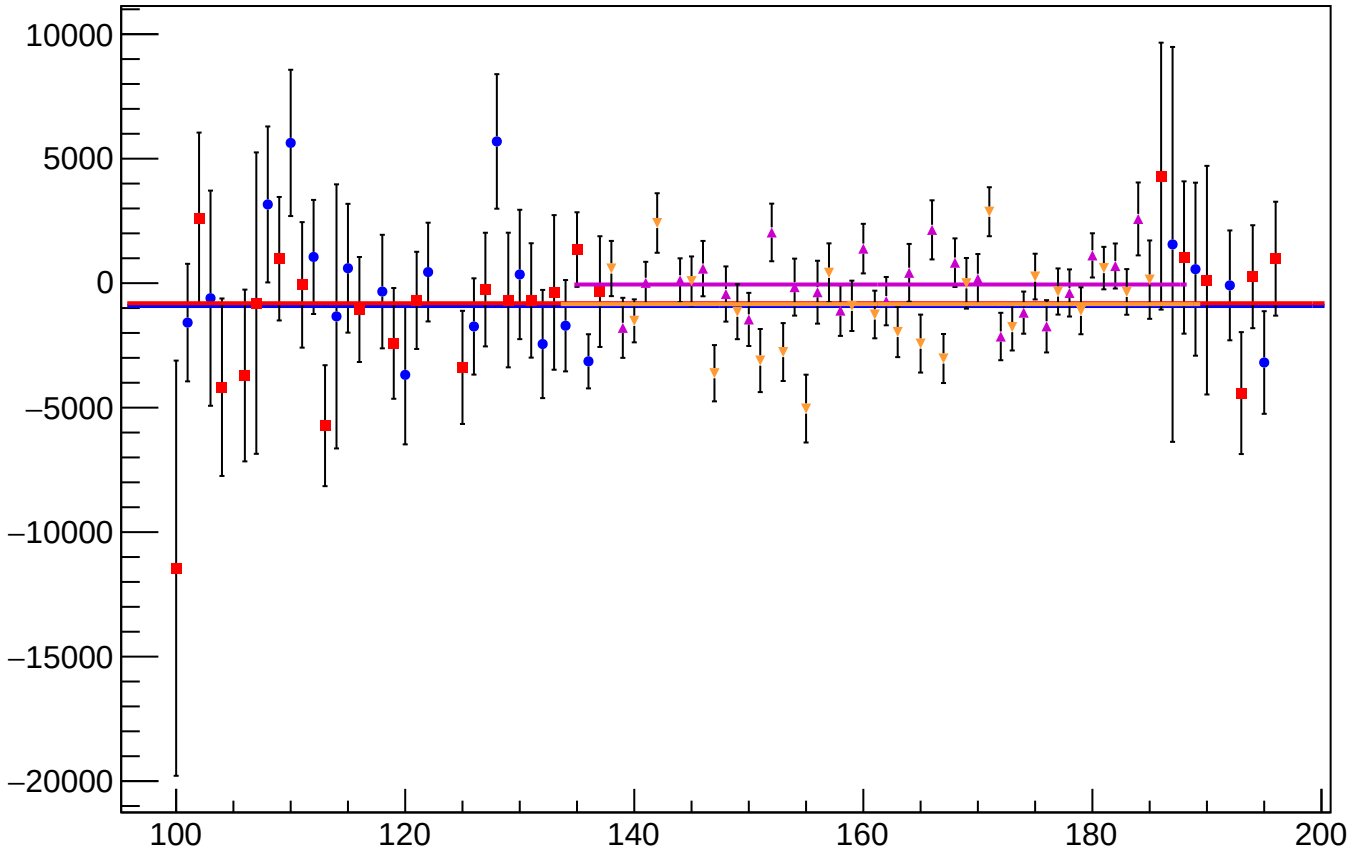
Right Out: 1842.348+/-0.388 χ^2/NDF: 286373.1/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.2/43

All: 1766.178+/-0.165 χ^2/NDF: 1070988.6/90

- sign 1771.523+/-0.230 χ^2/NDF: 340054.5/46



Right In: -918.325+/-509.779 χ^2/NDF: 22.3/19

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -806.045+/-518.950 χ^2/NDF: 17.3/23

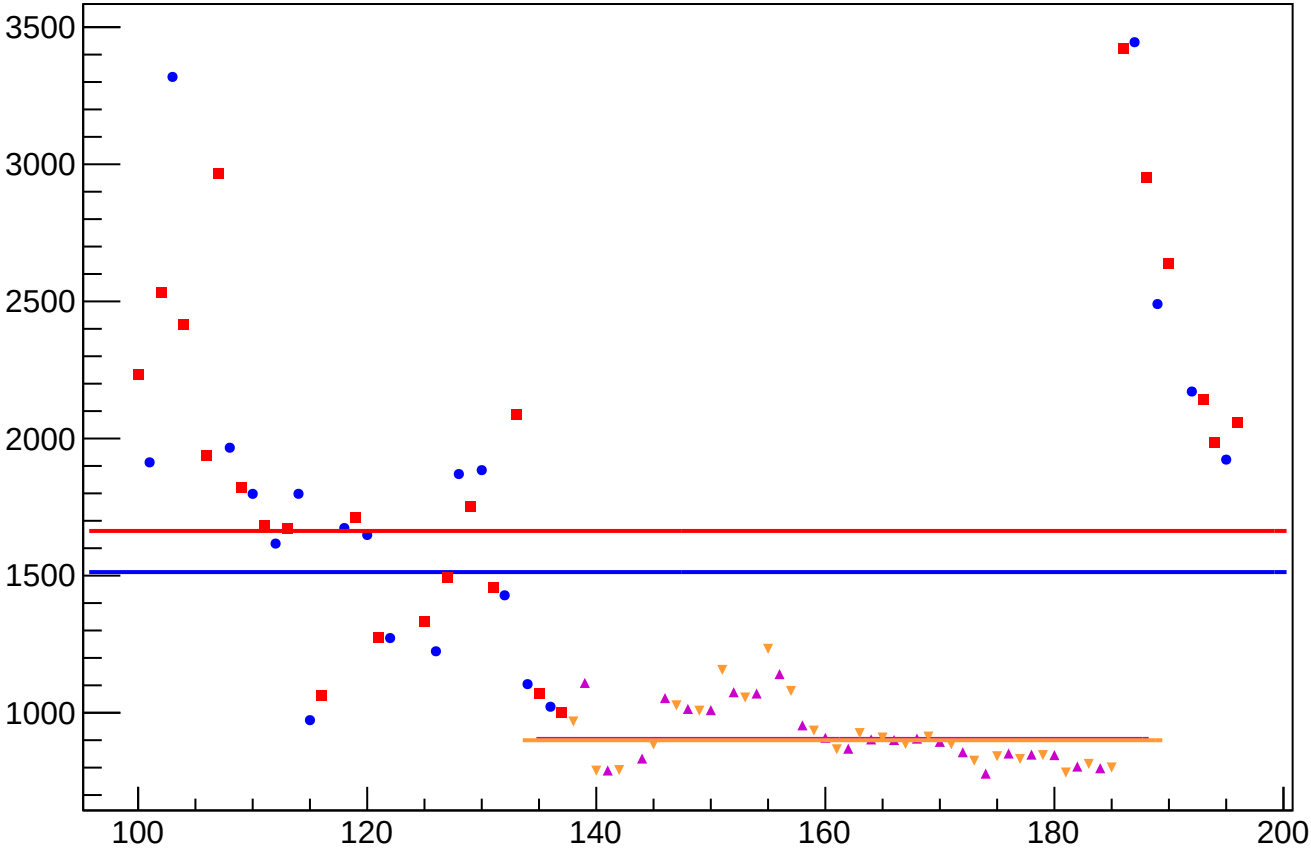
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -853.523+/-194.843 χ^2/NDF: 85.0/43

All: -511.761+/-138.539 χ^2/NDF: 140.9/90

\- sign -162.316+/-197.021 χ^2/NDF: 49.8/46

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1512.949+/-0.360 χ^2/NDF: 1773468.8/19

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1663.026+/-0.367 χ^2/NDF: 2029549.9/23

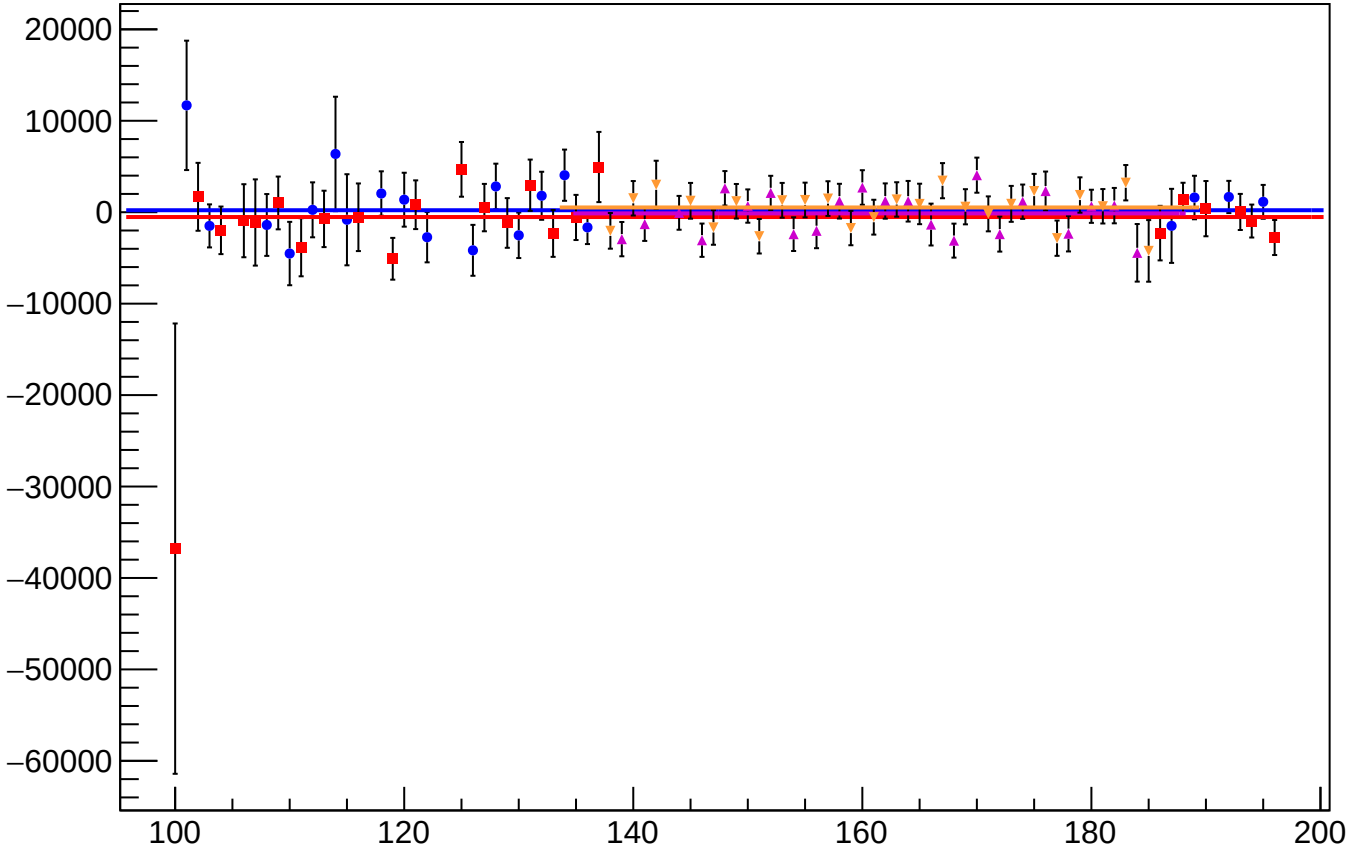
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 989.382+/-0.138 χ^2/NDF: 4739362.4/43

All: 1001.537+/-0.098 χ^2/NDF: 10892387.9/9

- sign 1013.965+/-0.139 χ^2/NDF: 6137284.3/46

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 217.102+/-593.379 χ^2/NDF: 17.6/19

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -526.489+/-549.445 χ^2/NDF: 18.7/23

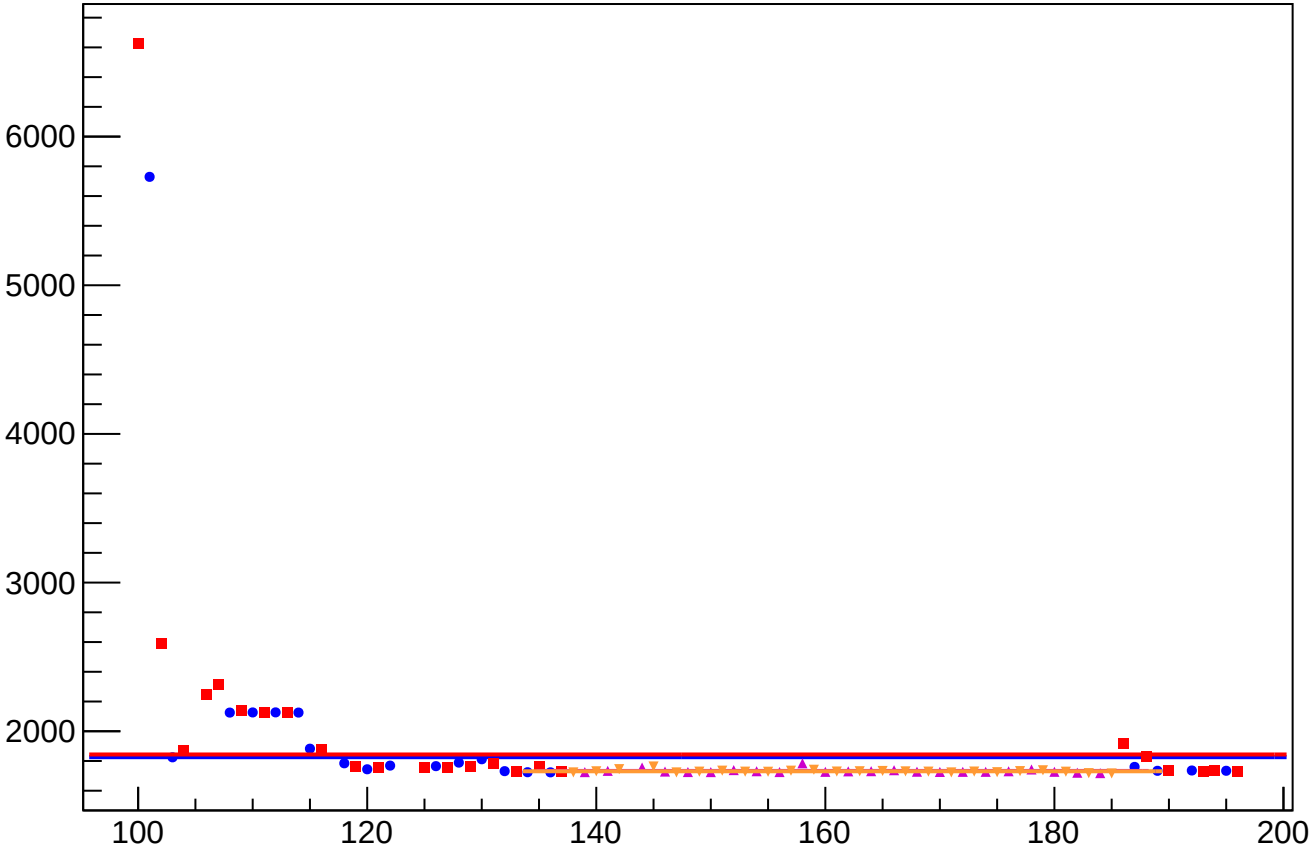
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 424.778+/-332.647 χ^2/NDF: 38.6/43

All: 71.770+/-232.763 χ^2/NDF: 89.3/90

- sign -266.884+/-325.813 χ^2/NDF: 48.5/46

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.2/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

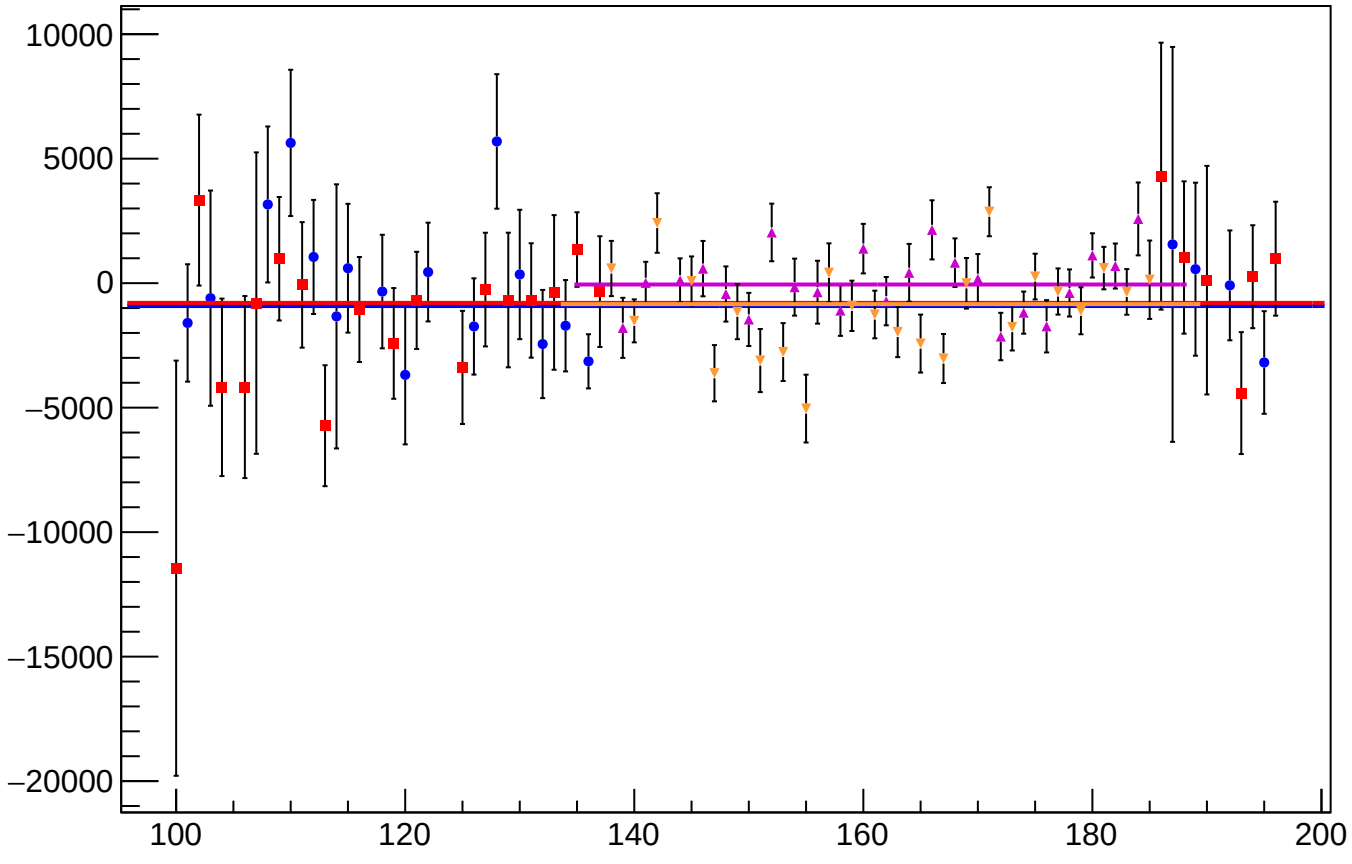
Right Out: 1843.770+/-0.389 χ^2/NDF: 295043.2/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.1/43

All: 1766.396+/-0.165 χ^2/NDF: 1081000.8/90

- sign 1771.955+/-0.230 χ^2/NDF: 349978.5/46



Right In: -918.986+/-509.744 χ^2/NDF: 22.3/19

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -791.851+/-519.595 χ^2/NDF: 17.9/23

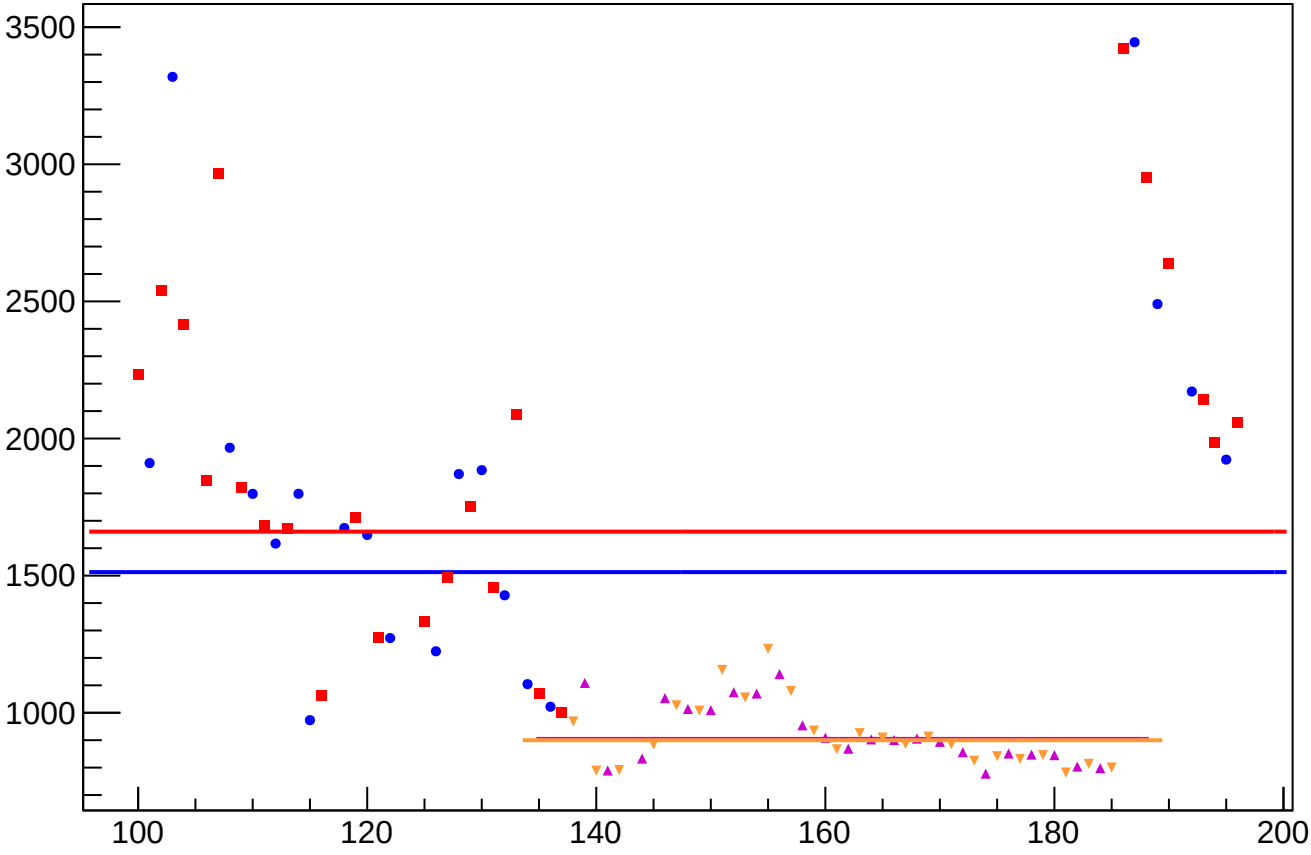
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -853.652+/-194.842 χ^2/NDF: 85.0/43

All: -510.775+/-138.550 χ^2/NDF: 141.5/90

\- sign -160.062+/-197.056 χ^2/NDF: 50.3/46

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1512.868+/-0.360 χ^2/NDF: 1772942.0/19

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.547+/-0.367 χ^2/NDF: 2023380.3/23

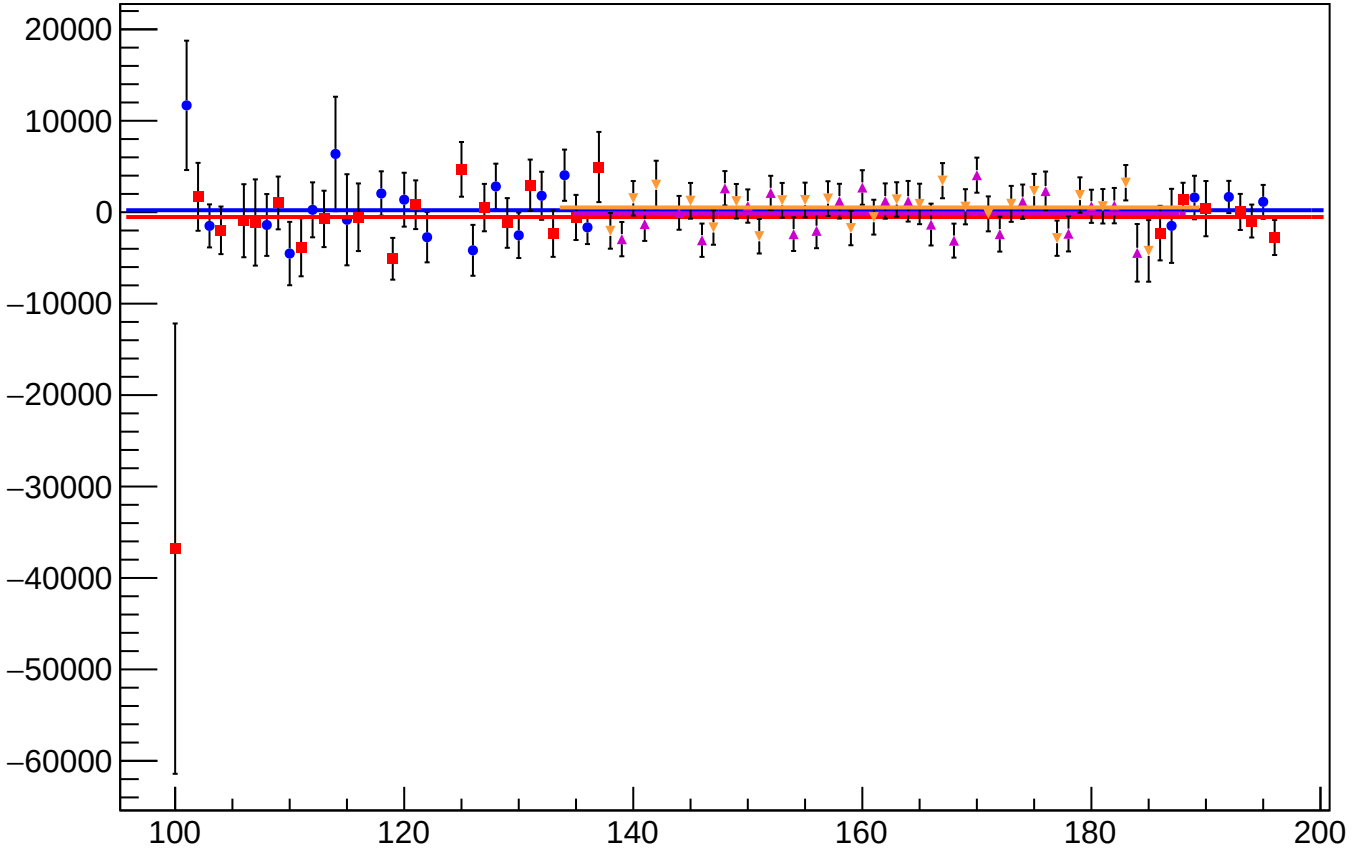
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 989.383+/-0.138 χ^2/NDF: 4738391.0/43

All: 1001.242+/-0.098 χ^2/NDF: 10852966.7/9

- sign 1013.373+/-0.139 χ^2/NDF: 6099587.7/46

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 217.102+/-593.379 χ^2/NDF: 17.6/19

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -526.489+/-549.445 χ^2/NDF: 18.7/23

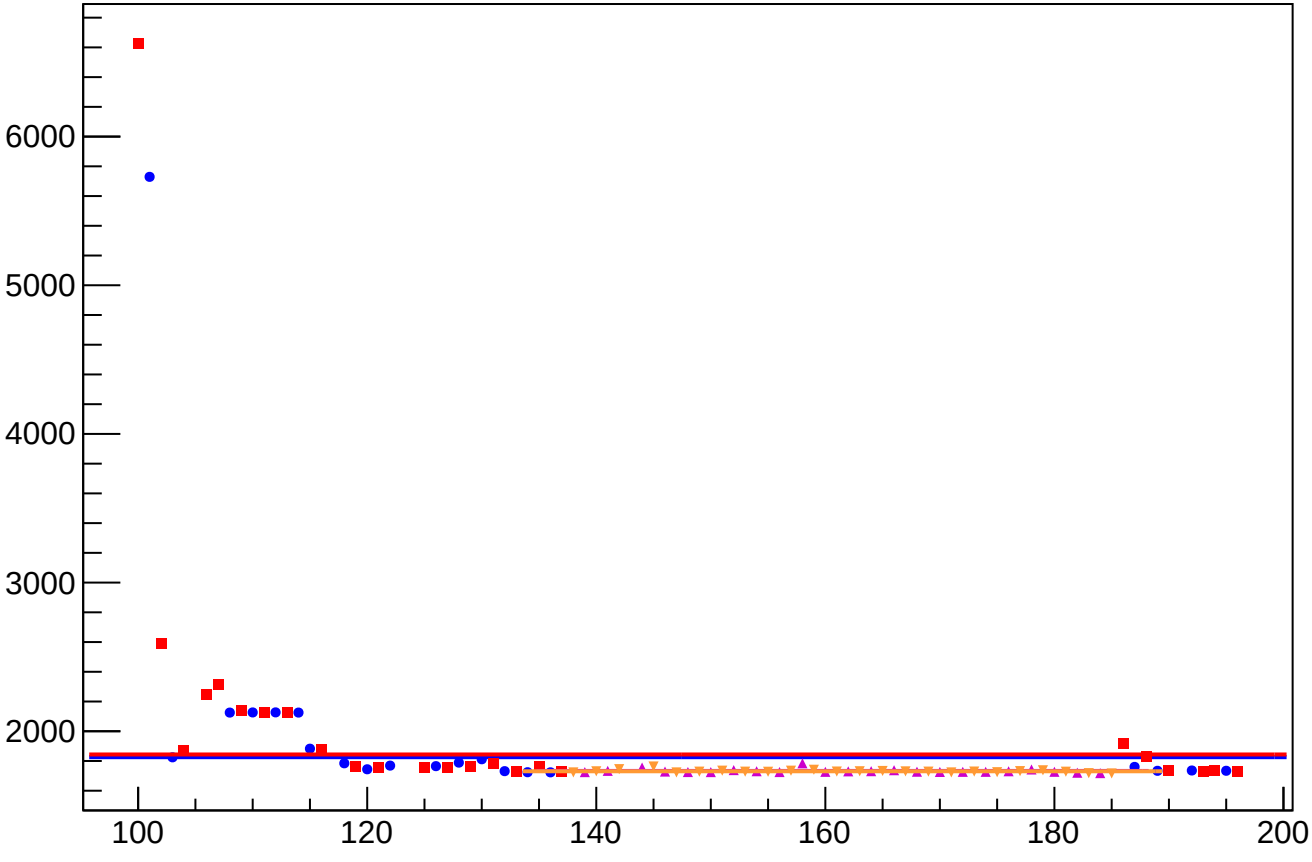
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 424.778+/-332.647 χ^2/NDF: 38.6/43

All: 71.770+/-232.763 χ^2/NDF: 89.3/90

- sign -266.884+/-325.813 χ^2/NDF: 48.5/46

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.2/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

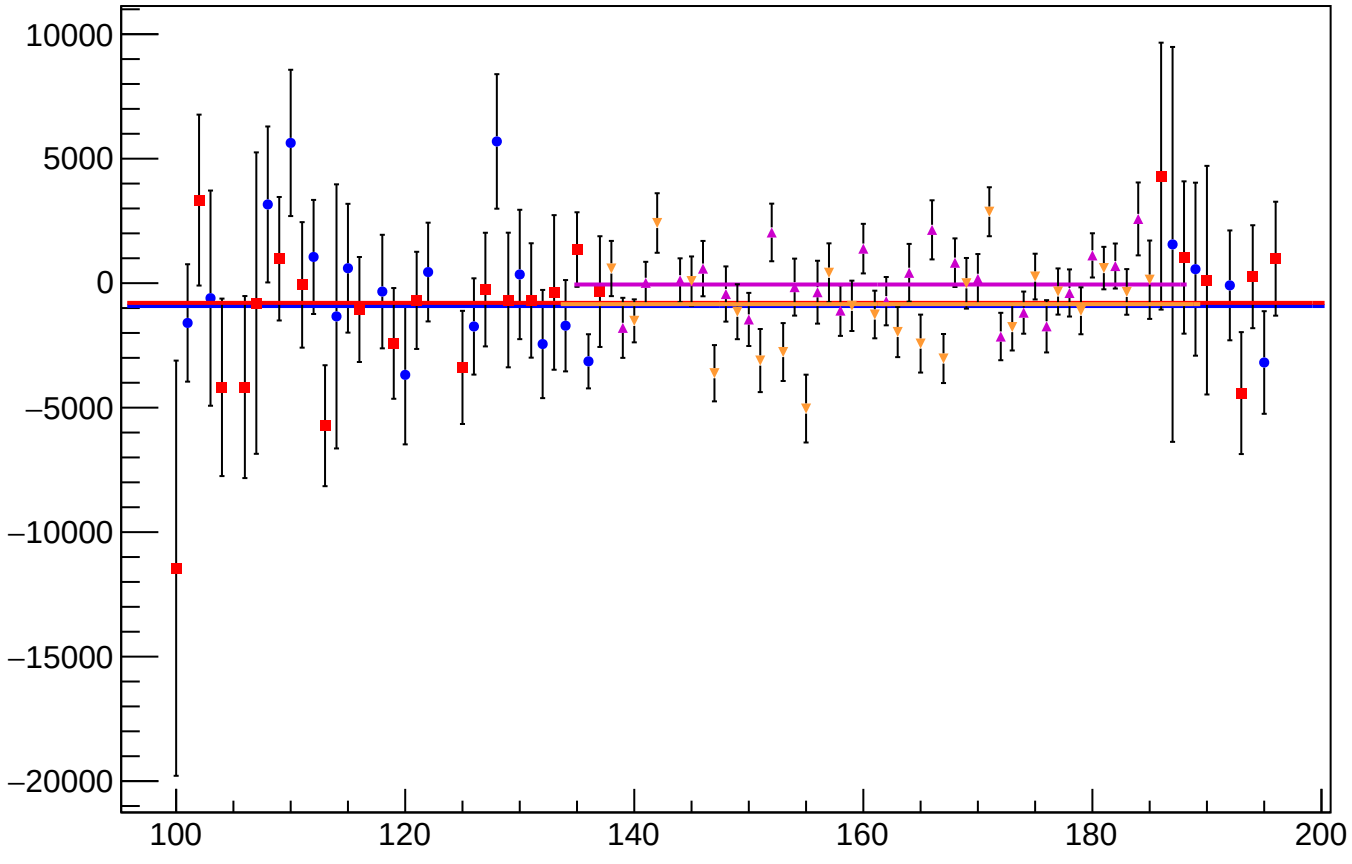
Right Out: 1843.770+/-0.389 χ^2/NDF: 295043.2/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.1/43

All: 1766.396+/-0.165 χ^2/NDF: 1081000.8/90

- sign 1771.955+/-0.230 χ^2/NDF: 349978.5/46



Right In: -918.986+/-509.744 χ^2/NDF: 22.3/19

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

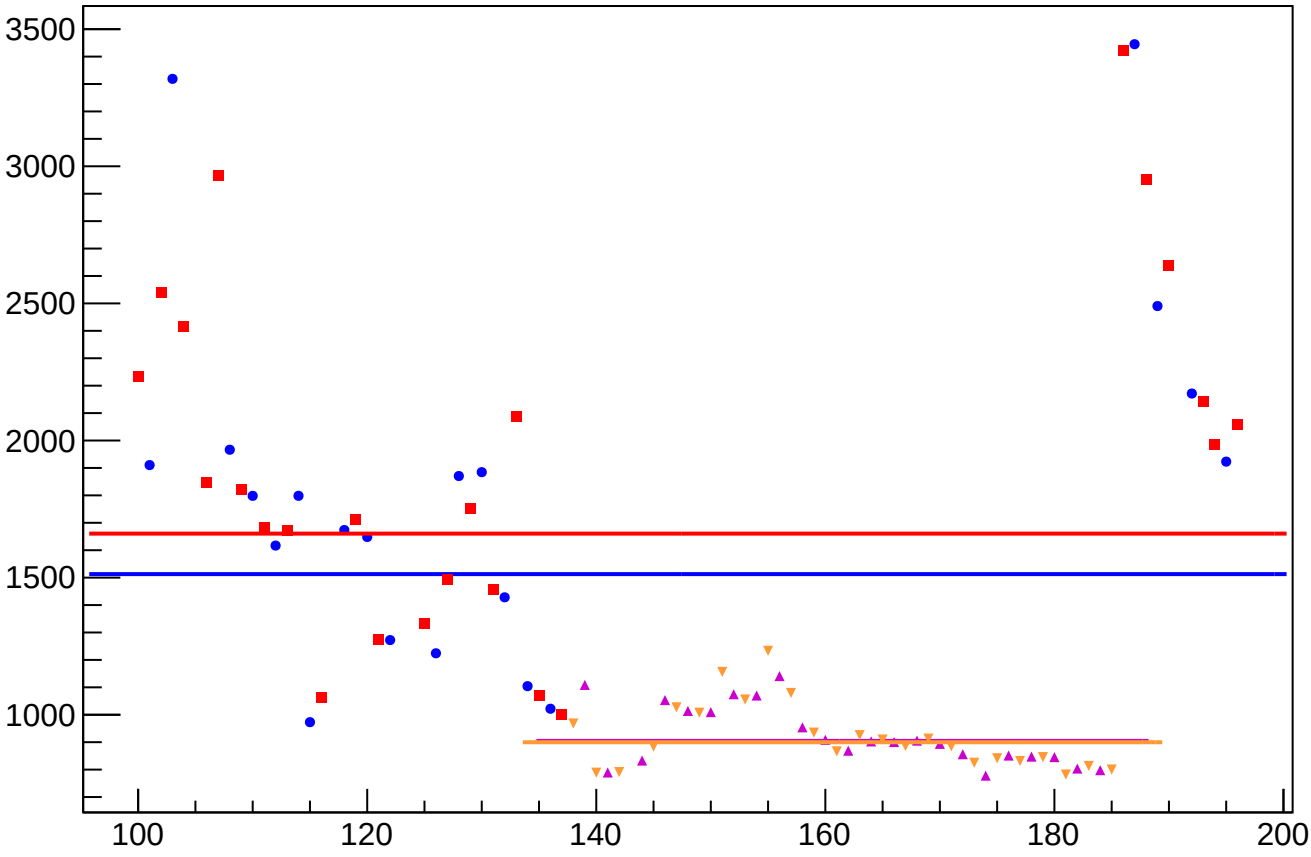
Right Out: -791.851+/-519.595 χ^2/NDF: 17.9/23

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -853.652+/-194.842 χ^2/NDF: 85.0/43

All: -510.775+/-138.550 χ^2/NDF: 141.5/90

\- sign -160.062+/-197.056 χ^2/NDF: 50.3/46



Right In: 1512.868+/-0.360 χ^2/NDF: 1772942.0/19

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.547+/-0.367 χ^2/NDF: 2023380.3/23

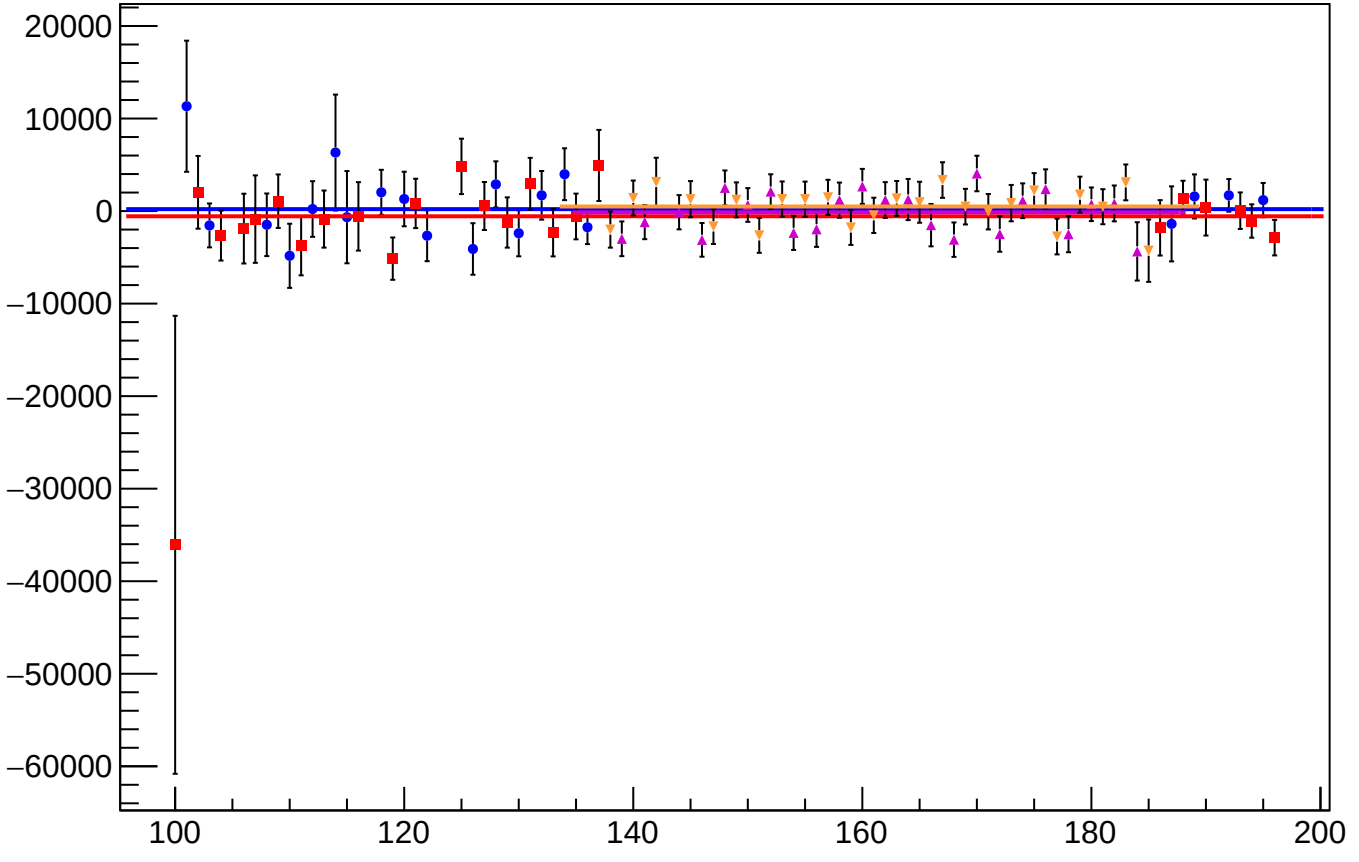
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 989.383+/-0.138 χ^2/NDF: 4738391.0/43

All: 1001.242+/-0.098 χ^2/NDF: 10852966.7/9

- sign 1013.373+/-0.139 χ^2/NDF: 6099587.7/46

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 206.972+/-594.014 χ^2/NDF: 17.5/19

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -563.697+/-550.772 χ^2/NDF: 19.4/23

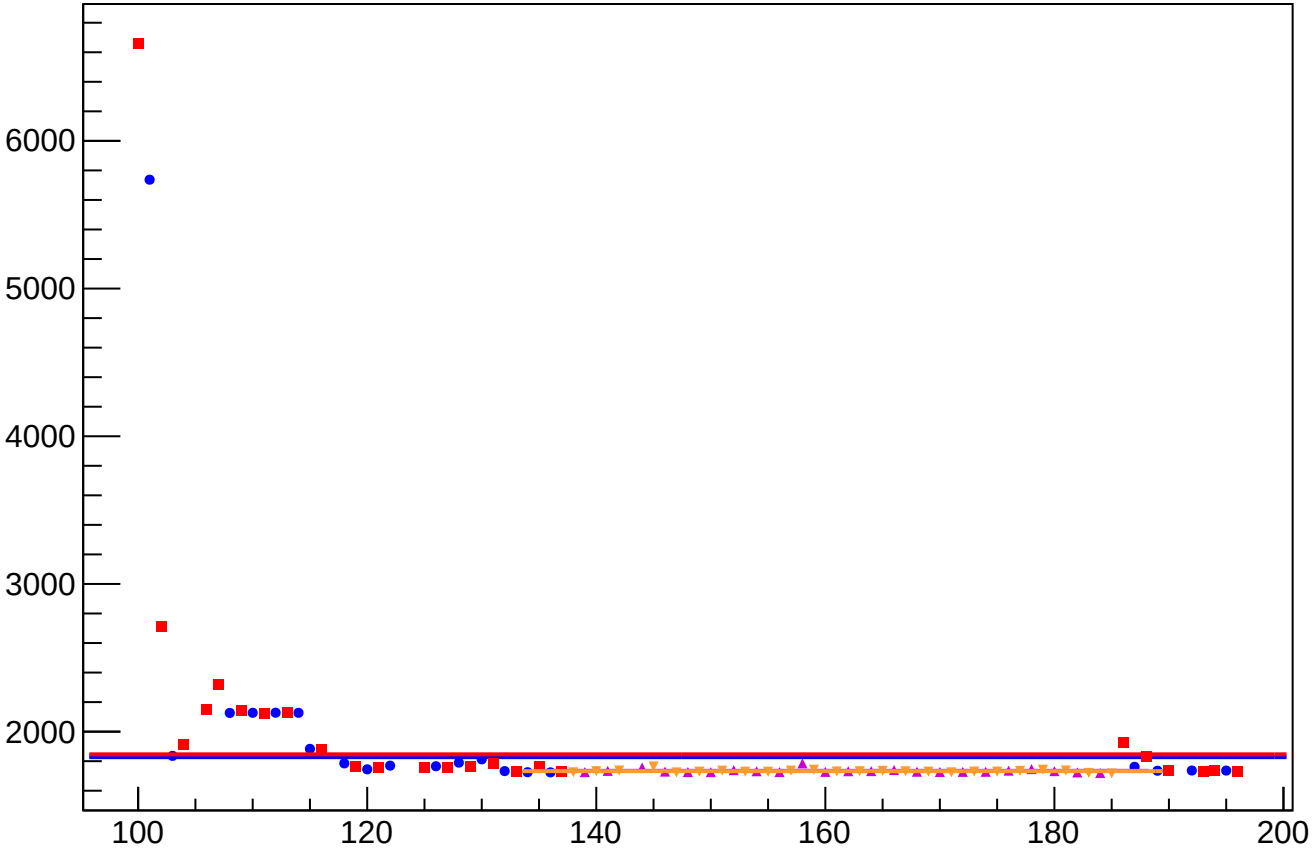
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 404.431+/-332.966 χ^2/NDF: 37.8/43

All: 51.780+/-233.043 χ^2/NDF: 89.3/90

- sign -286.852+/-326.280 χ^2/NDF: 49.4/46

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1827.256+/-0.420 χ^2/NDF: 694348.2/19

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

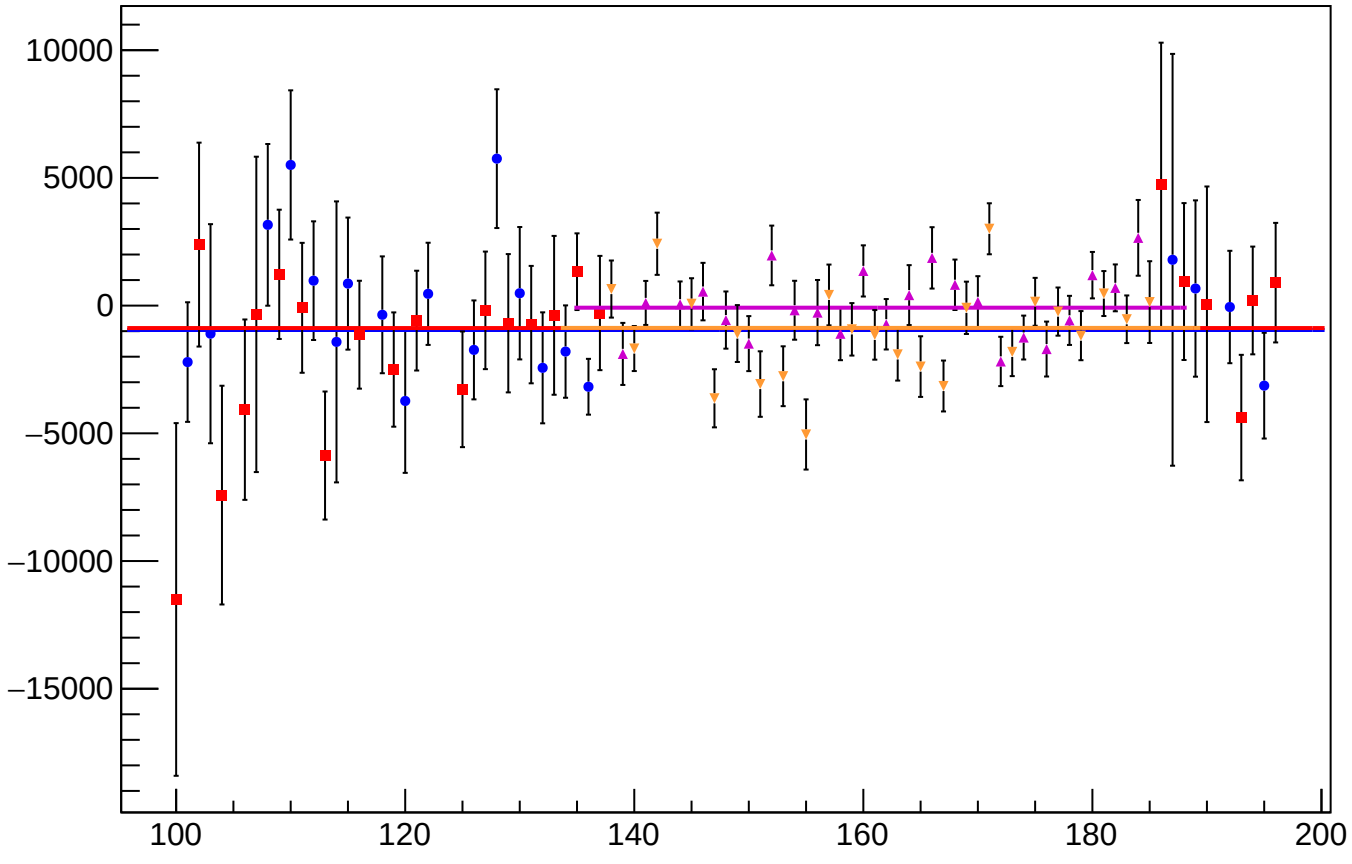
Right Out: 1846.296+/-0.389 χ^2/NDF: 305602.9/23

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.196+/-0.235 χ^2/NDF: 730242.5/43

All: 1768.105+/-0.165 χ^2/NDF: 1092714.0/90

- sign 1773.778+/-0.231 χ^2/NDF: 361236.9/46



Right In: -954.700+/-510.641 χ^2/NDF: 22.6/19

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -878.765+/-525.907 χ^2/NDF: 19.3/23

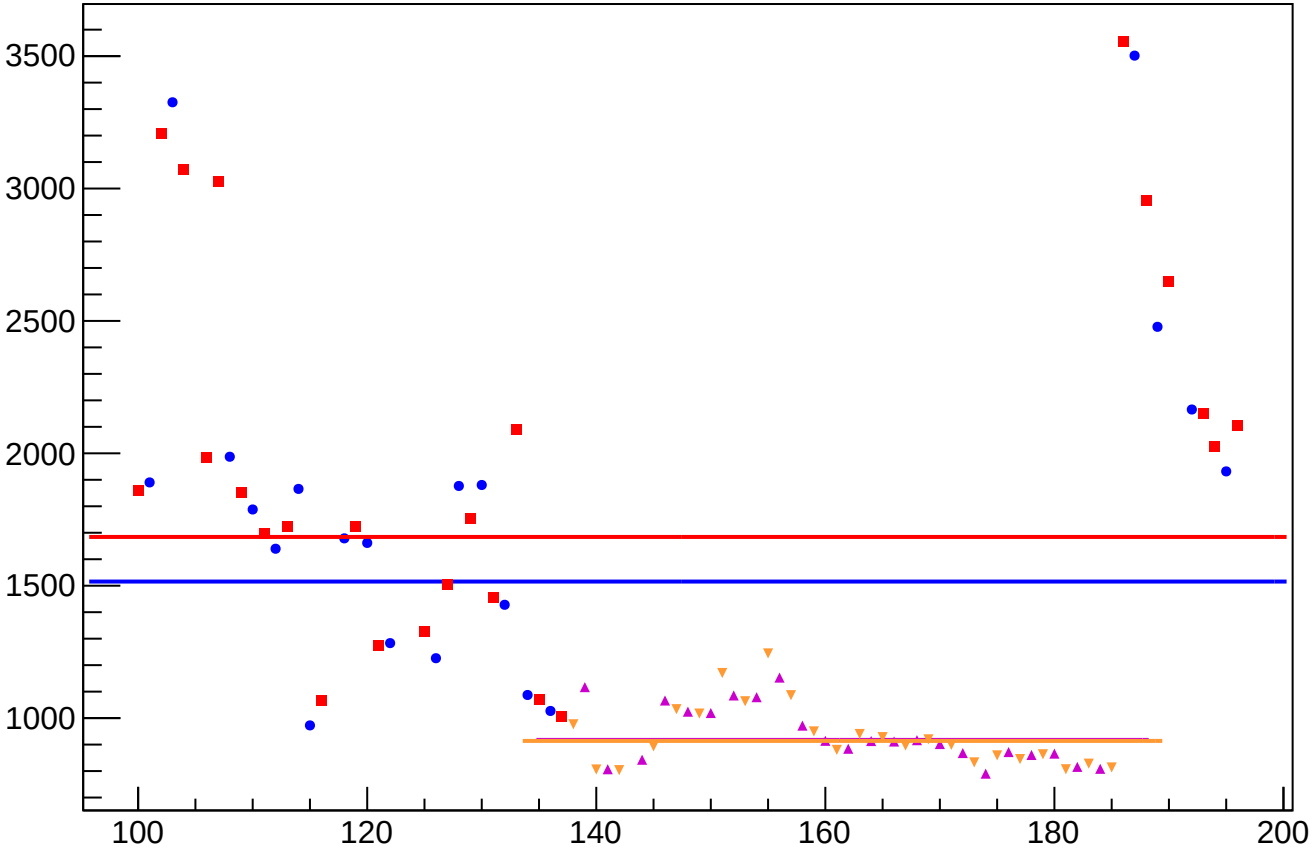
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -885.059+/-197.375 χ^2/NDF: 84.6/43

All: -544.880+/-140.392 χ^2/NDF: 141.8/90

\- sign -196.516+/-199.735 χ^2/NDF: 51.2/46

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1515.708+/-0.361 χ^2/NDF: 1780981.1/19

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1684.172+/-0.372 χ^2/NDF: 2360530.6/23

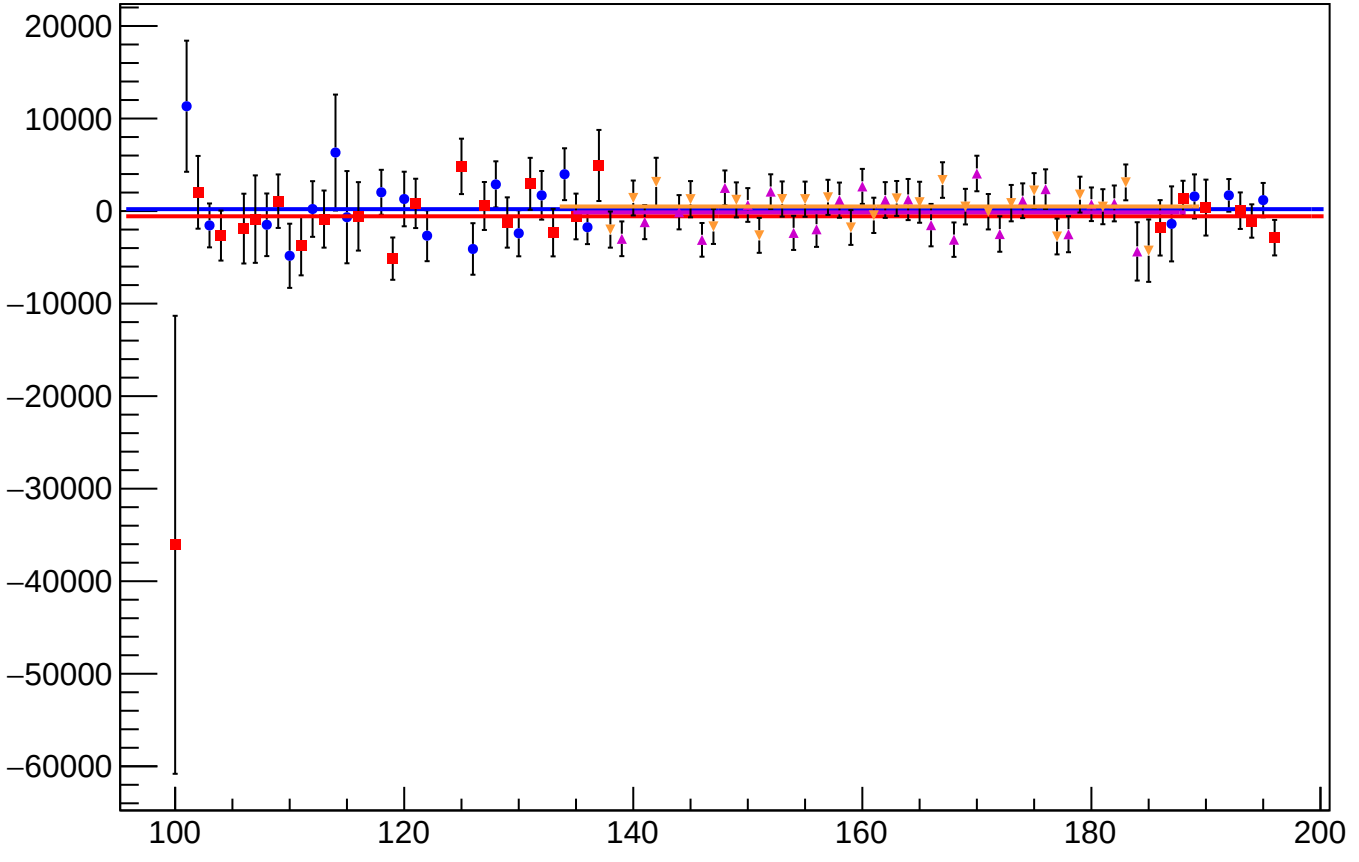
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1003.809+/-0.140 χ^2/NDF: 4606712.4/43

All: 1015.877+/-0.099 χ^2/NDF: 11048546.6/9

- sign 1028.235+/-0.141 χ^2/NDF: 6426701.3/46

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 206.973+/-594.014 χ^2/NDF: 17.5/19

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

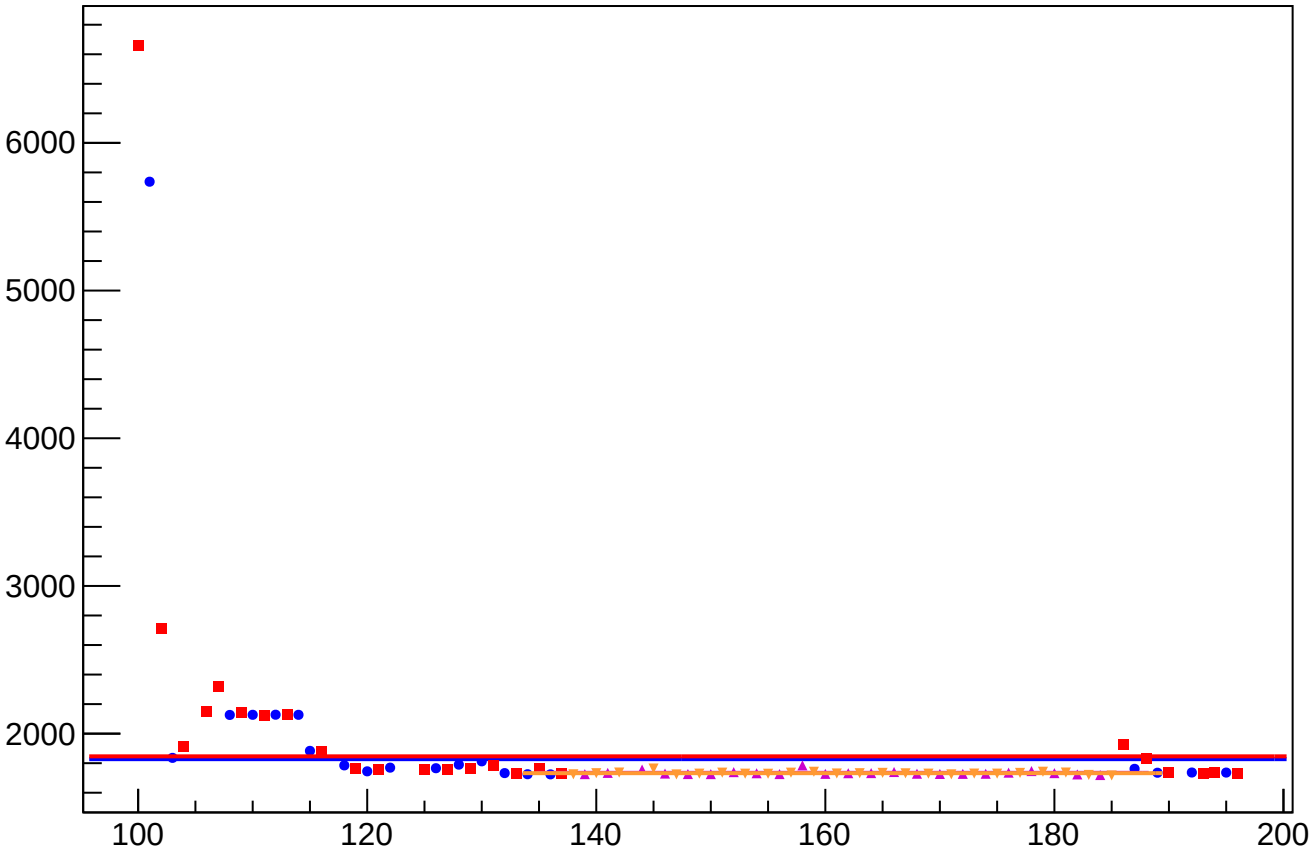
Right Out: -563.696+/-550.772 χ^2/NDF: 19.4/23

Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 404.431+/-332.966 χ^2/NDF: 37.8/43

All: 51.780+/-233.043 χ^2/NDF: 89.3/90

- sign -286.852+/-326.280 χ^2/NDF: 49.4/46



Right In: 1827.255+/-0.420 χ^2/NDF: 694348.2/19

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

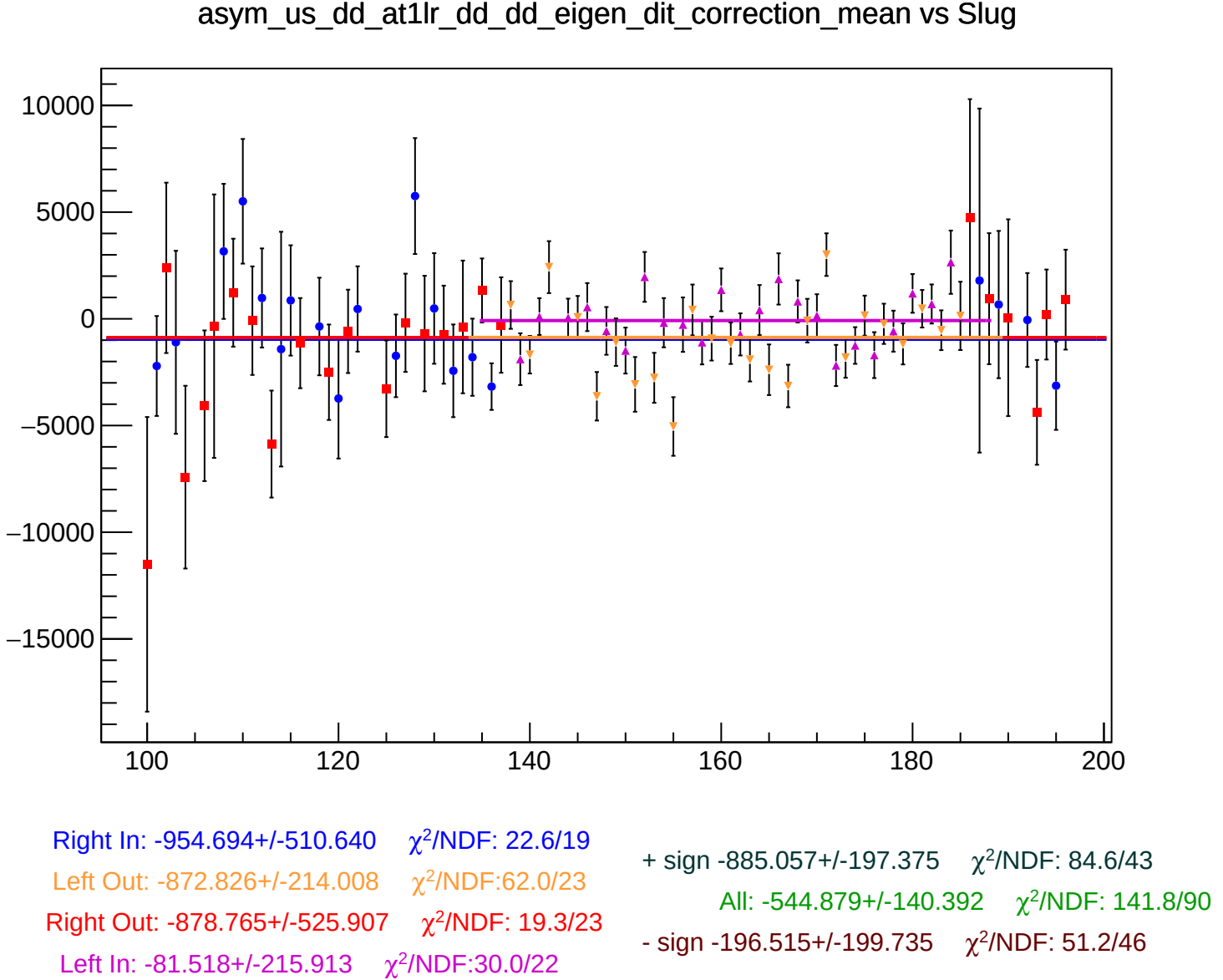
Right Out: 1846.296+/-0.389 χ^2/NDF: 305602.6/23

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

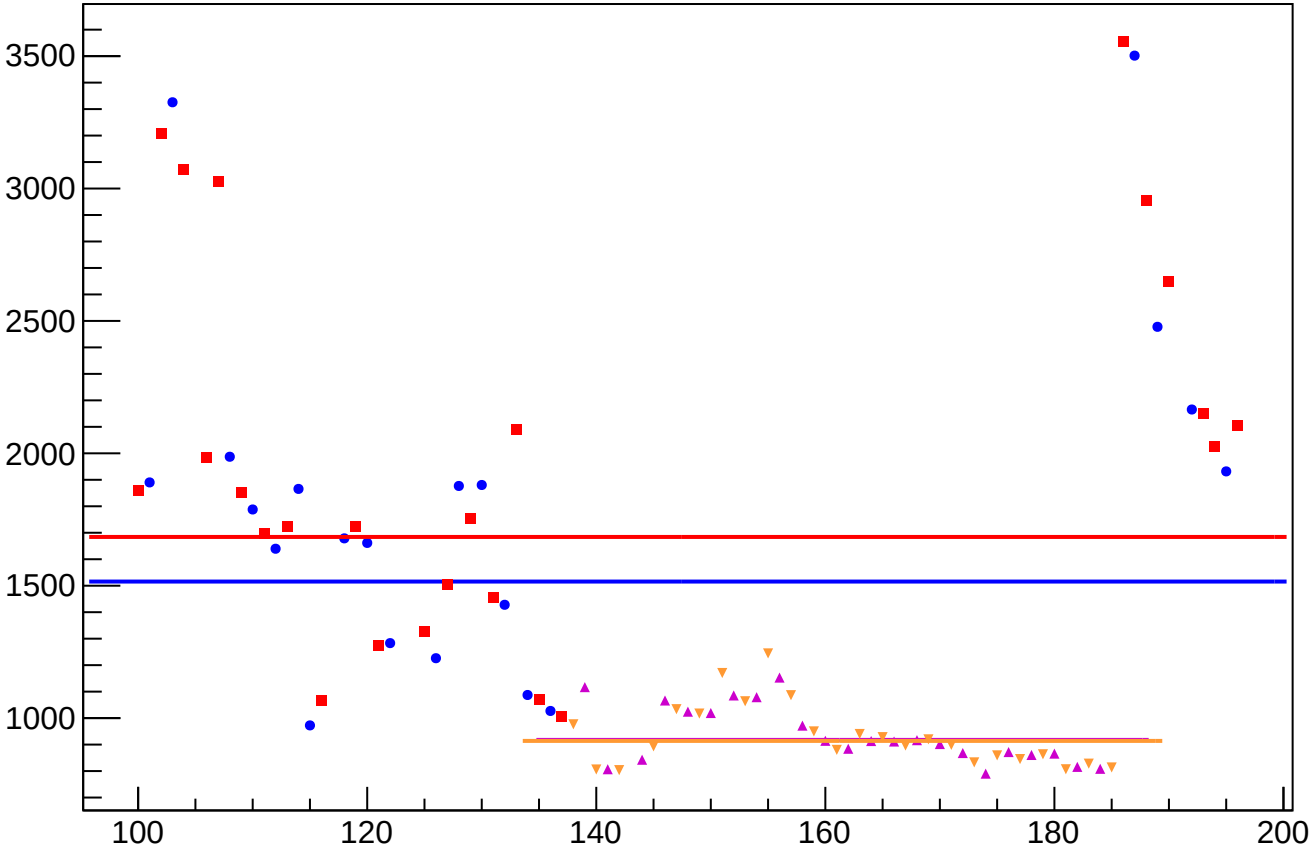
+ sign 1762.196+/-0.235 χ^2/NDF: 730242.5/43

All: 1768.105+/-0.165 χ^2/NDF: 1092713.6/90

- 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: -954.694+/-510.640 χ²/NDF: 22.6/19
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 -885.057+/-197.375 χ²/NDF: 84.6/43
All: -544.879+/-140.392 χ²/NDF: 141.8/90
- sign -196.515+/-199.735 χ²/NDF: 51.2/46

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1515.705+/-0.361 χ^2/NDF: 1780983.7/19

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

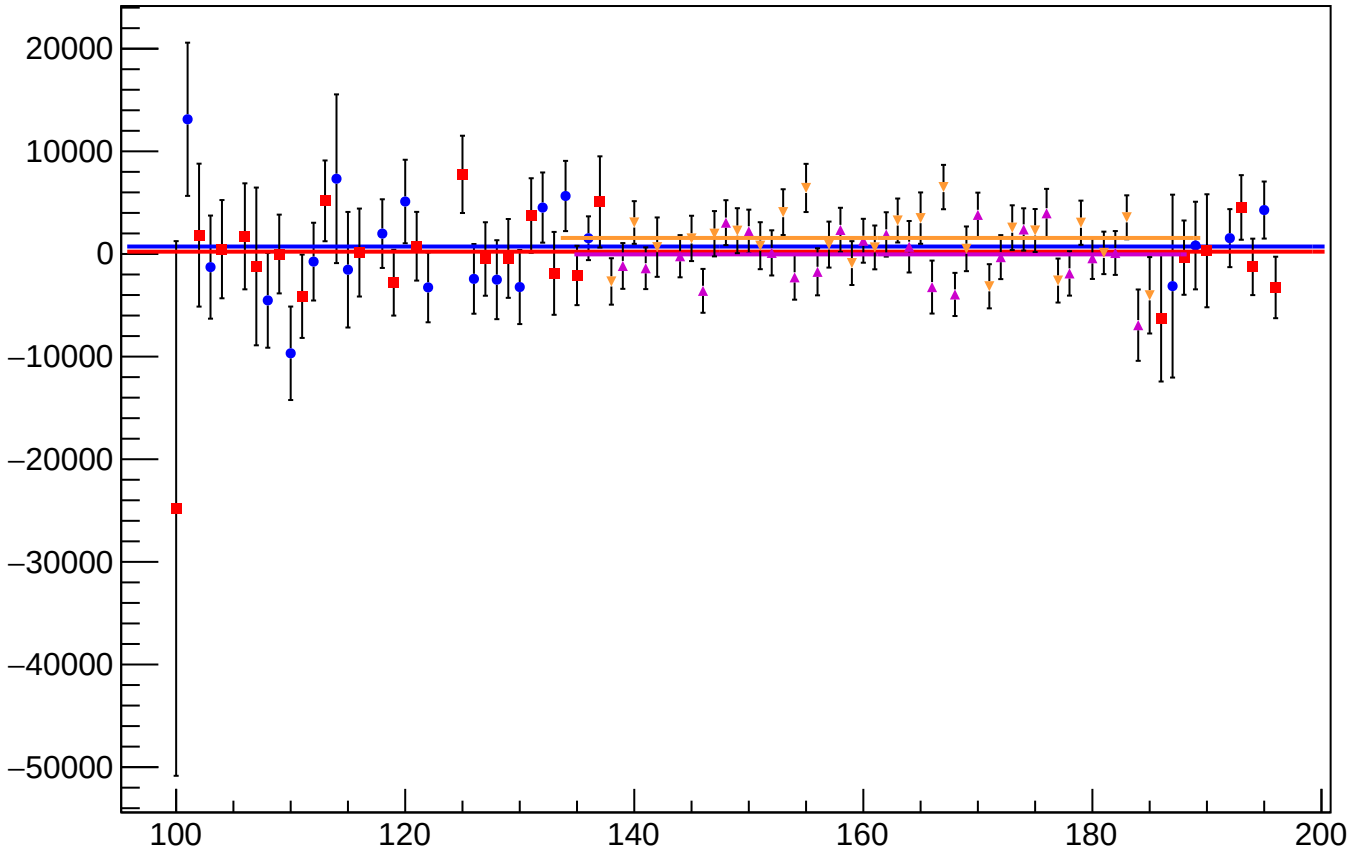
Right Out: 1684.170+/-0.372 χ^2/NDF: 2360537.8/23

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1003.809+/-0.140 χ^2/NDF: 4606708.6/43

All: 1015.877+/-0.099 χ^2/NDF: 11048549.2/9

- sign 1028.235+/-0.141 χ^2/NDF: 6426707.8/46



Right In: 725.090+/-830.714 χ^2/NDF: 21.2/19

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 225.199+/-800.959 χ^2/NDF: 16.5/23

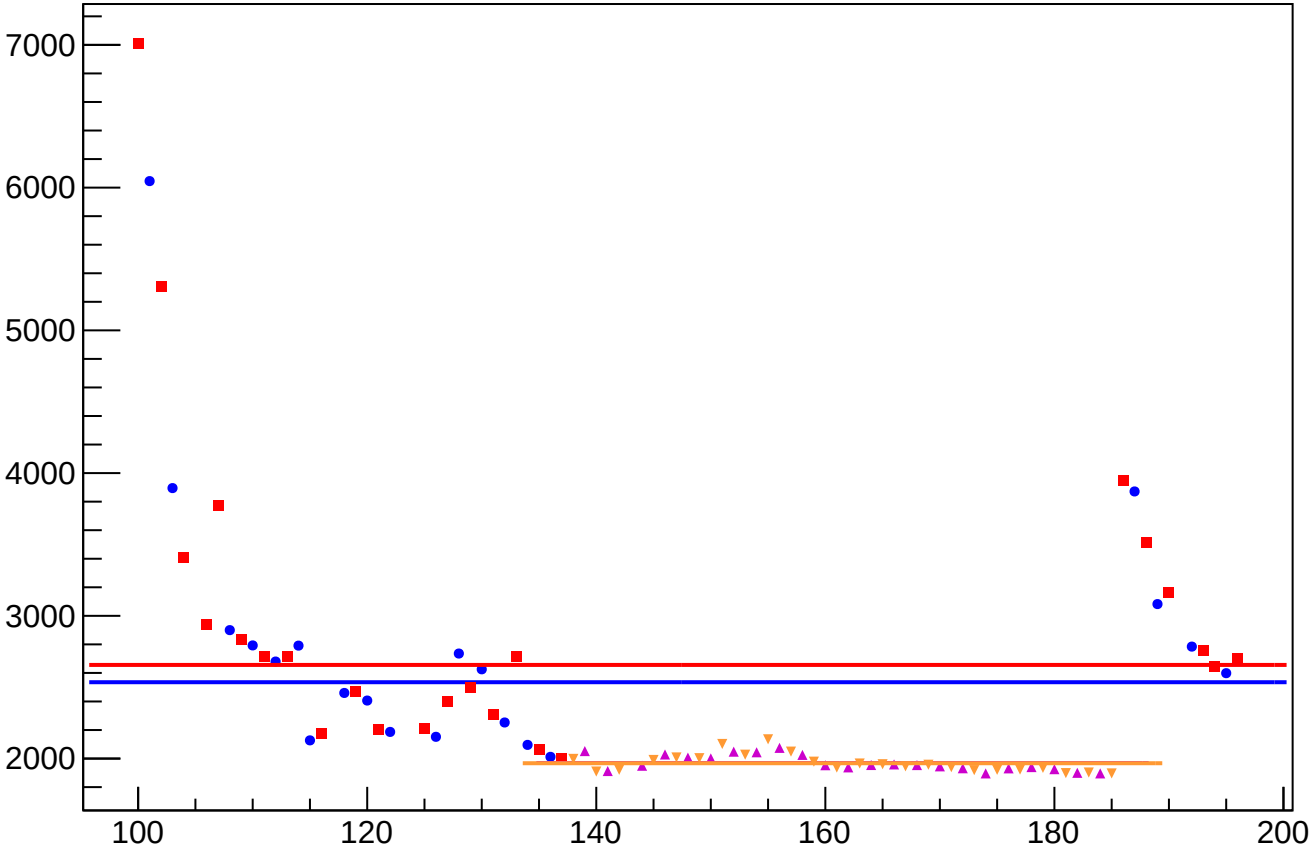
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1367.144+/-400.330 χ^2/NDF: 53.2/43

All: 694.021+/-282.553 χ^2/NDF: 103.2/90

- sign 25.850+/-398.855 χ^2/NDF: 44.4/46

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2534.928+/-0.587 χ^2/NDF: 940643.1/19

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

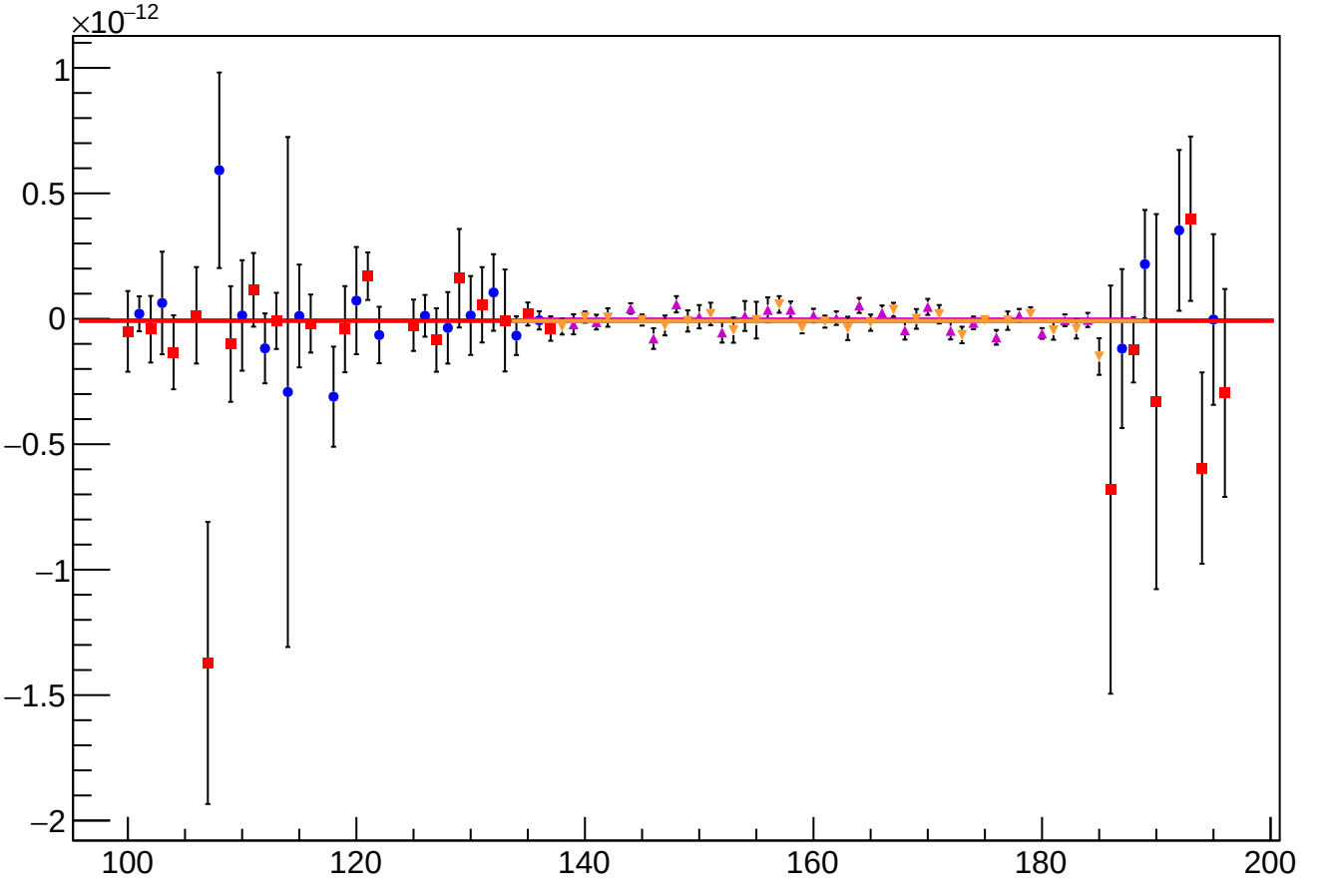
Right Out: 2656.079+/-0.566 χ^2/NDF: 924473.6/23

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2099.213+/-0.283 χ^2/NDF: 1691505.4/43

All: 2119.379+/-0.200 χ^2/NDF: 3759313.4/90

- sign 2139.397+/-0.282 χ^2/NDF: 2057695.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

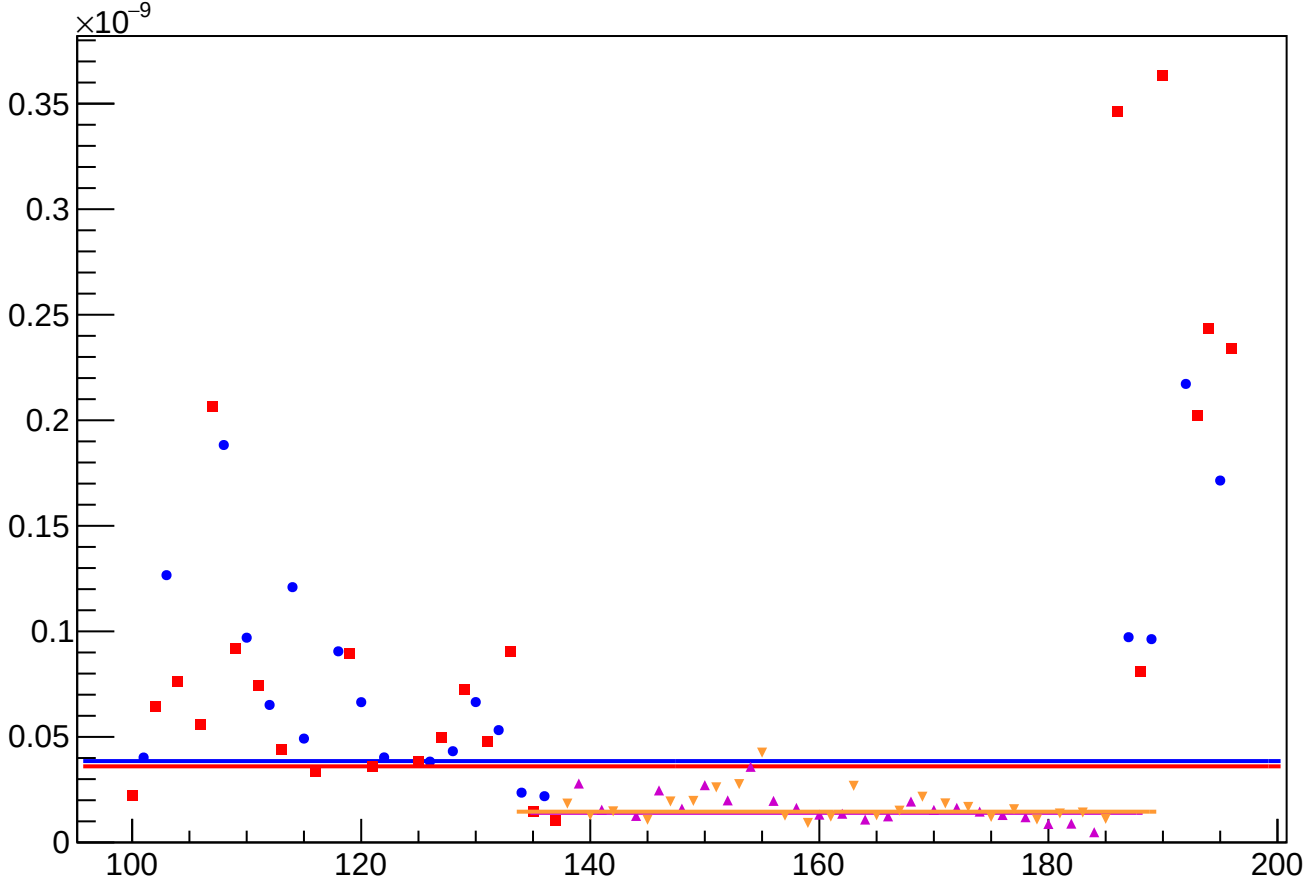
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/23

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/43

All: -0.000+/-0.000 χ^2/NDF: 89.3/90

- sign -0.000+/-0.000 χ^2/NDF: 58.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2785308.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4618969.5/23

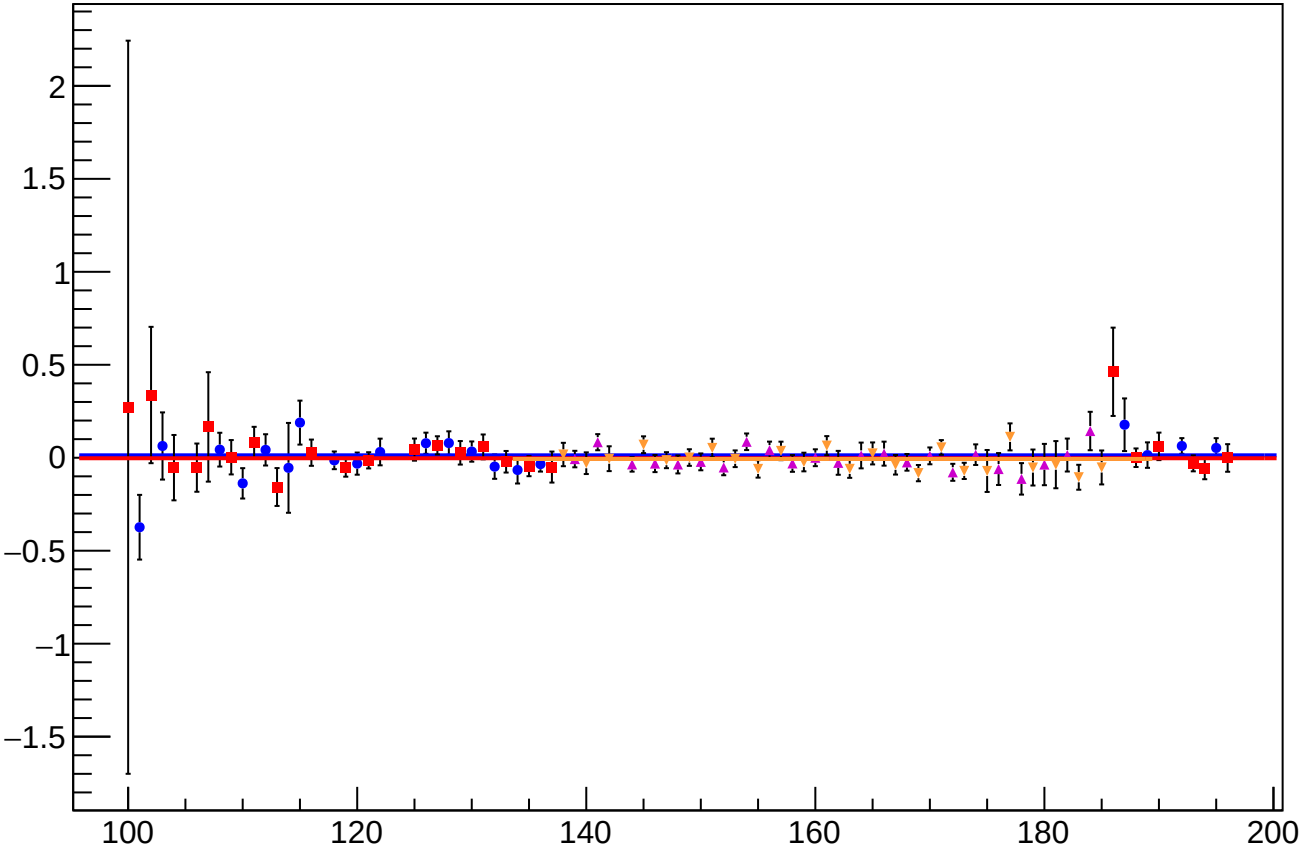
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5798982.8/43

All: 0.000+/-0.000 χ^2/NDF: 13464208.1/90

- sign 0.000+/-0.000 χ^2/NDF: 7652475.6/46

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

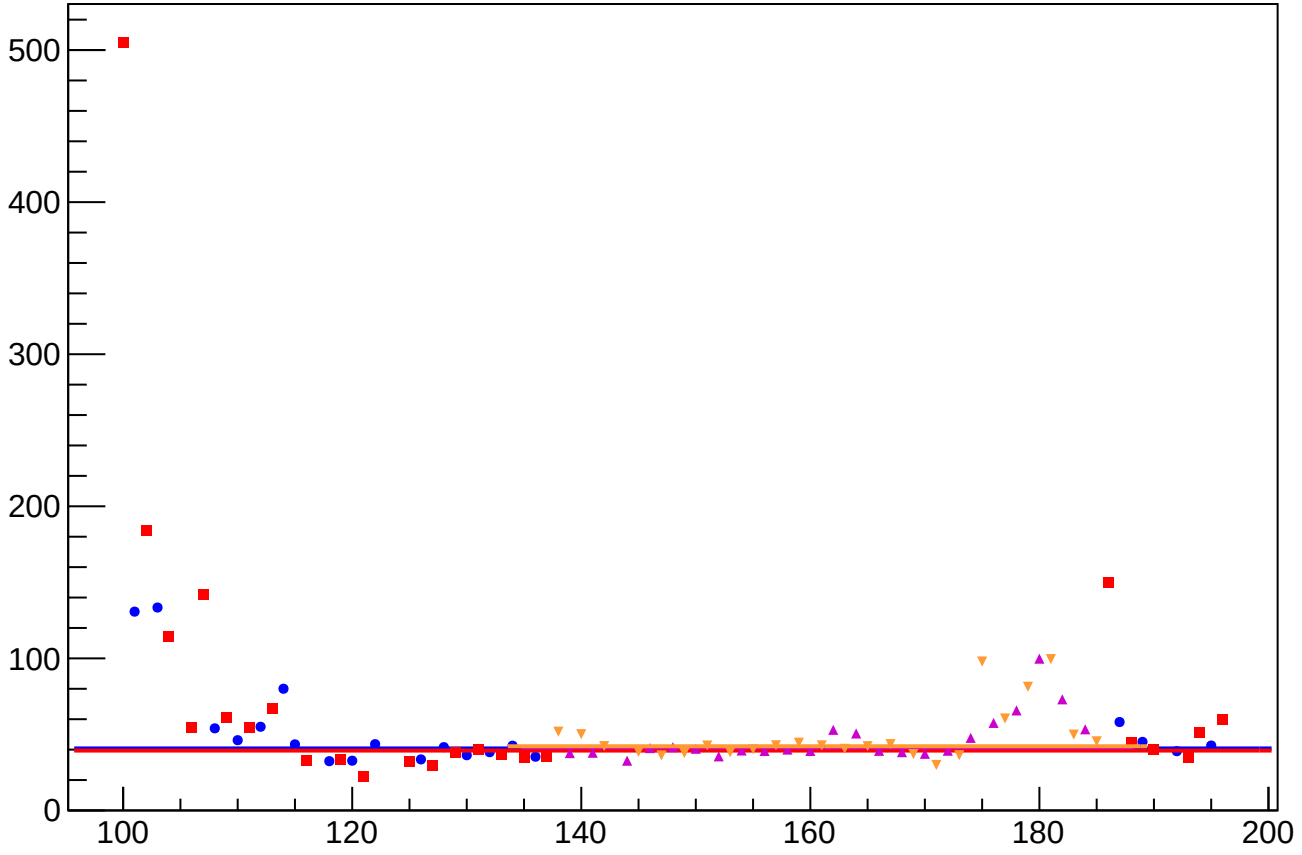
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 46.3/43

All: -0.002+/-0.006 χ^2/NDF: 83.5/90

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.778+/-0.010 χ^2/NDF: 1455710.2/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

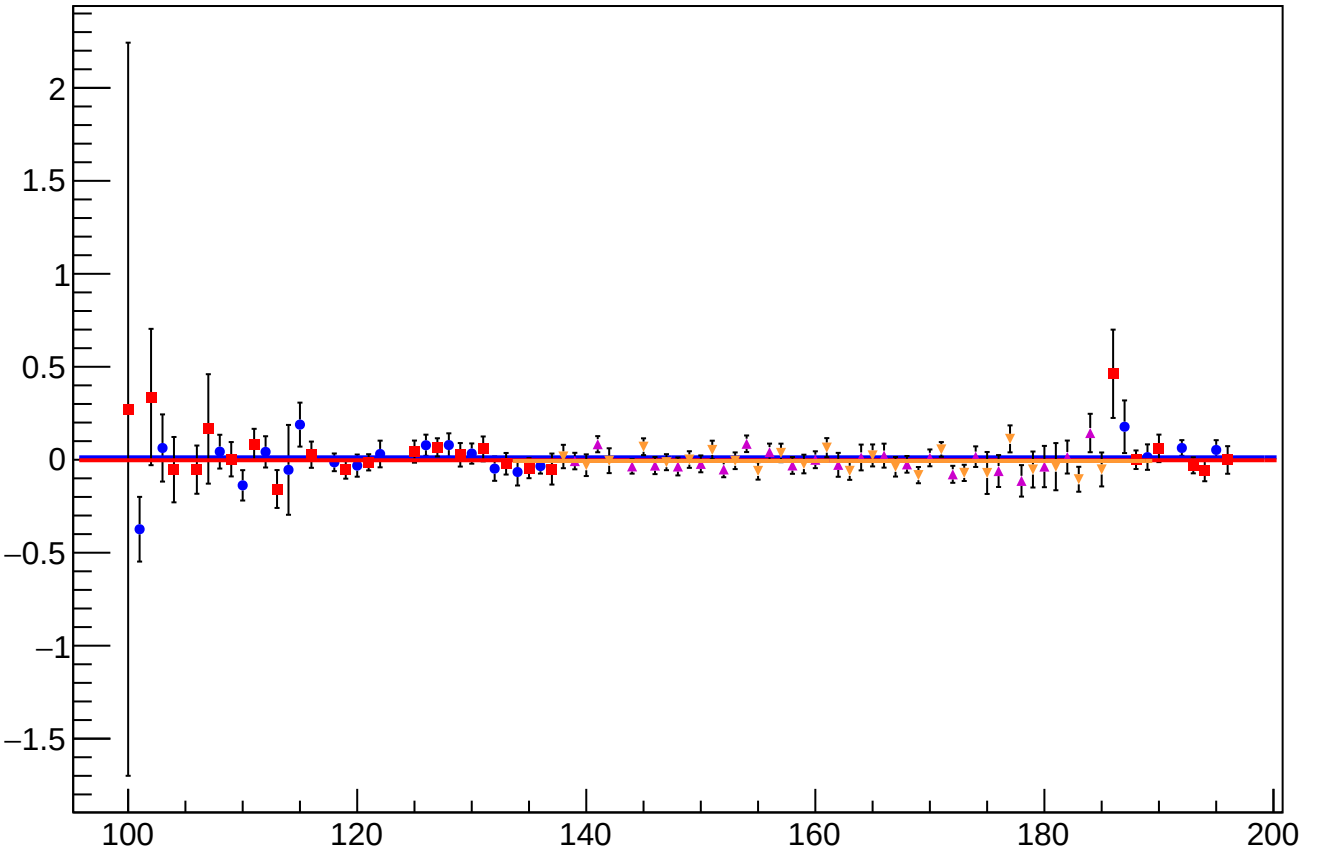
Right Out: 39.376+/-0.010 χ^2/NDF: 2598913.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287249.0/43

All: 41.158+/-0.004 χ^2/NDF: 7340437.2/90

- sign 40.651+/-0.006 χ^2/NDF: 4038383.4/46



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

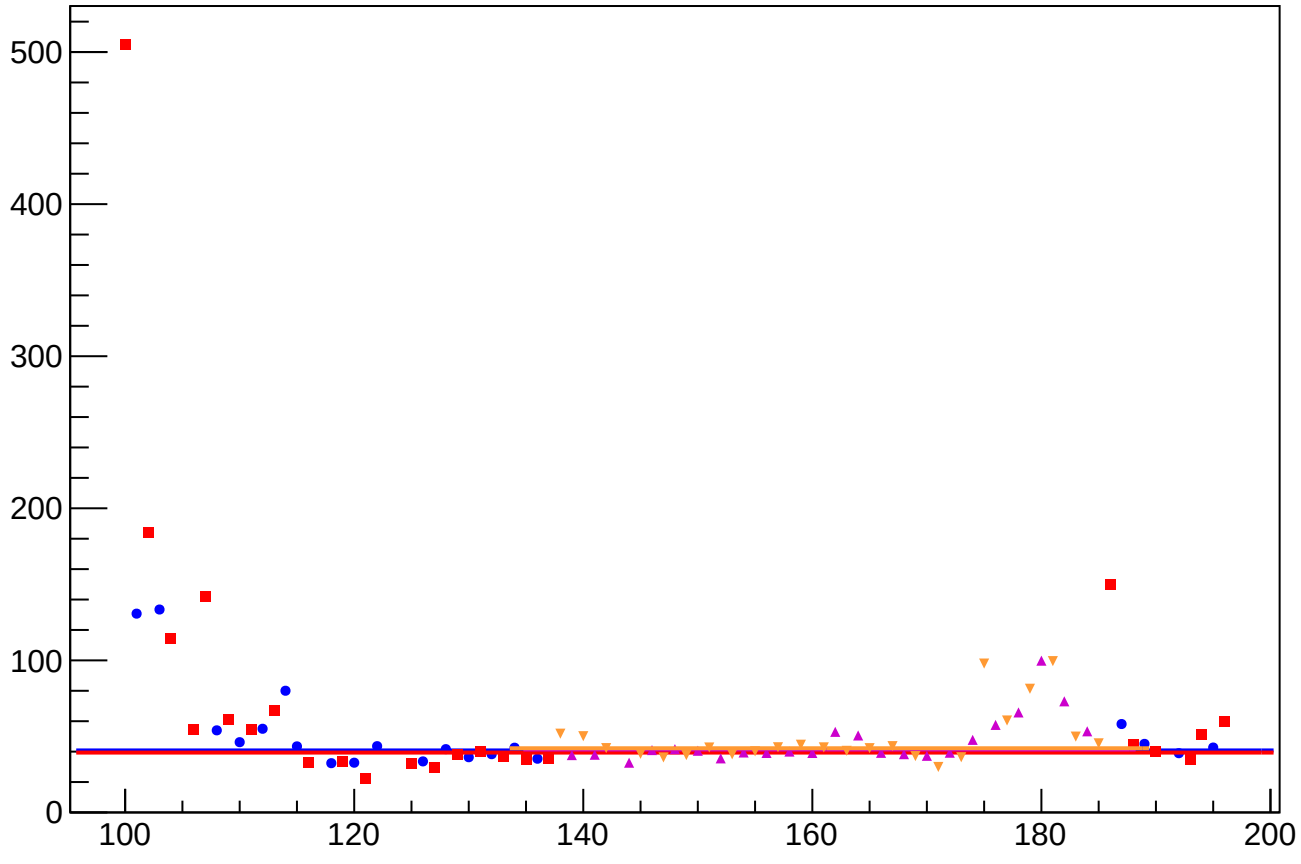
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 46.3/43

All: -0.002+/-0.006 χ^2/NDF: 83.5/90

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 40.778+/-0.010 χ^2/NDF: 1455710.2/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

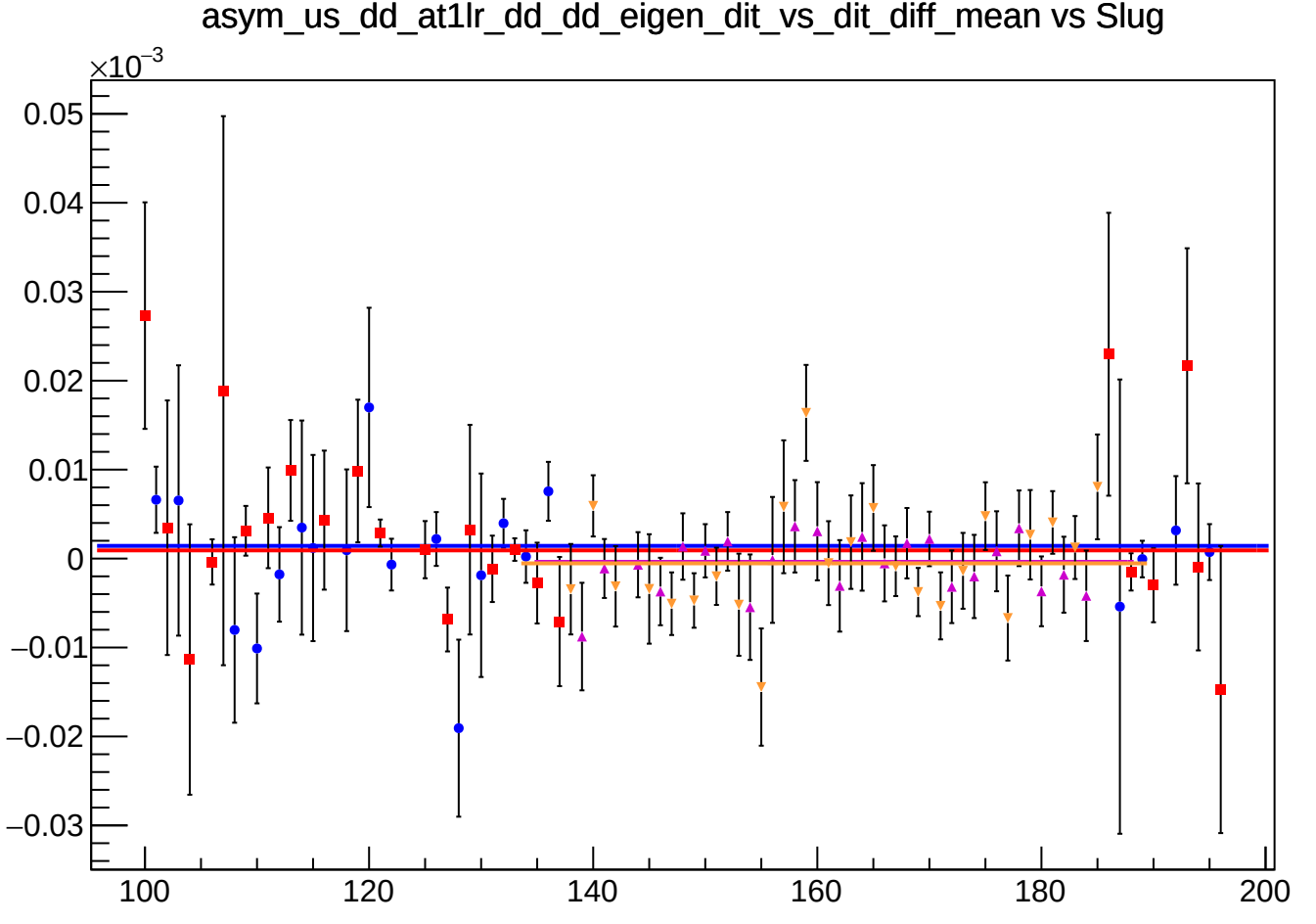
Right Out: 39.376+/-0.010 χ^2/NDF: 2598913.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287249.0/43

All: 41.158+/-0.004 χ^2/NDF: 7340437.2/90

- sign 40.651+/-0.006 χ^2/NDF: 4038383.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

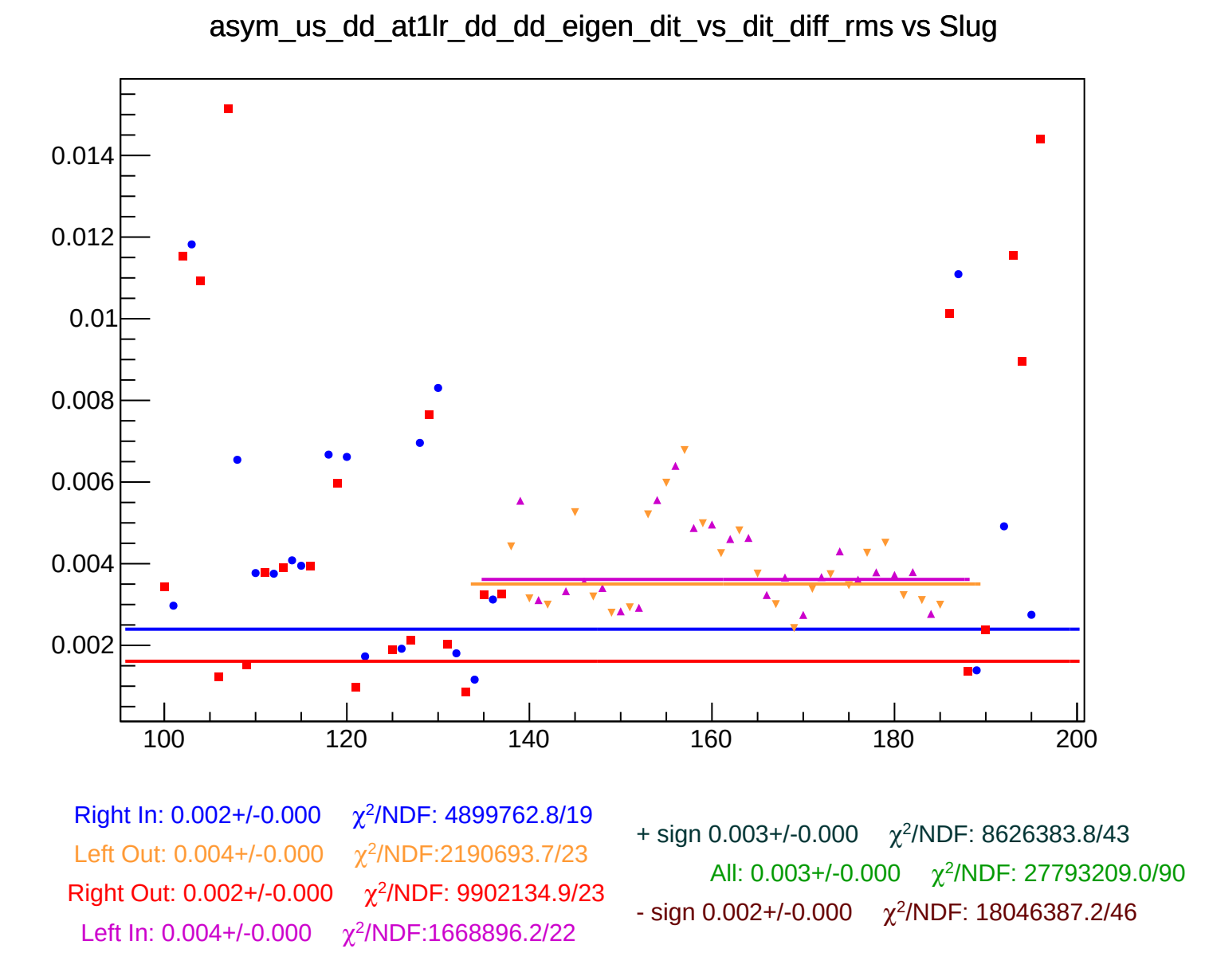
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/23

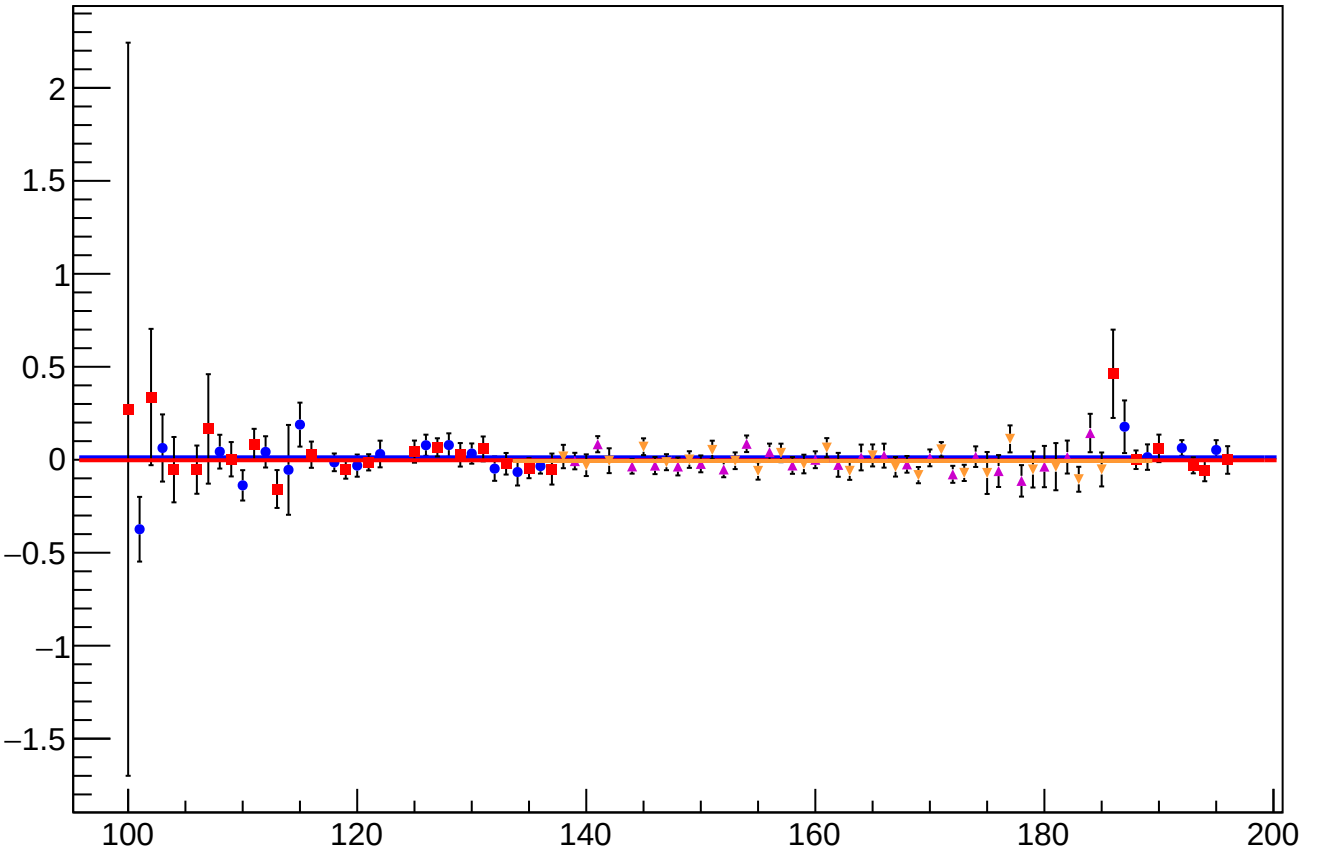
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/43

All: 0.000+/-0.000 χ^2/NDF: 95.8/90

- sign 0.000+/-0.000 χ^2/NDF: 37.7/46


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 4899762.8/19
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 9902134.9/23
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 8626383.8/43
All: 0.003+/-0.000 χ²/NDF: 27793209.0/90
- sign 0.002+/-0.000 χ²/NDF: 18046387.2/46



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

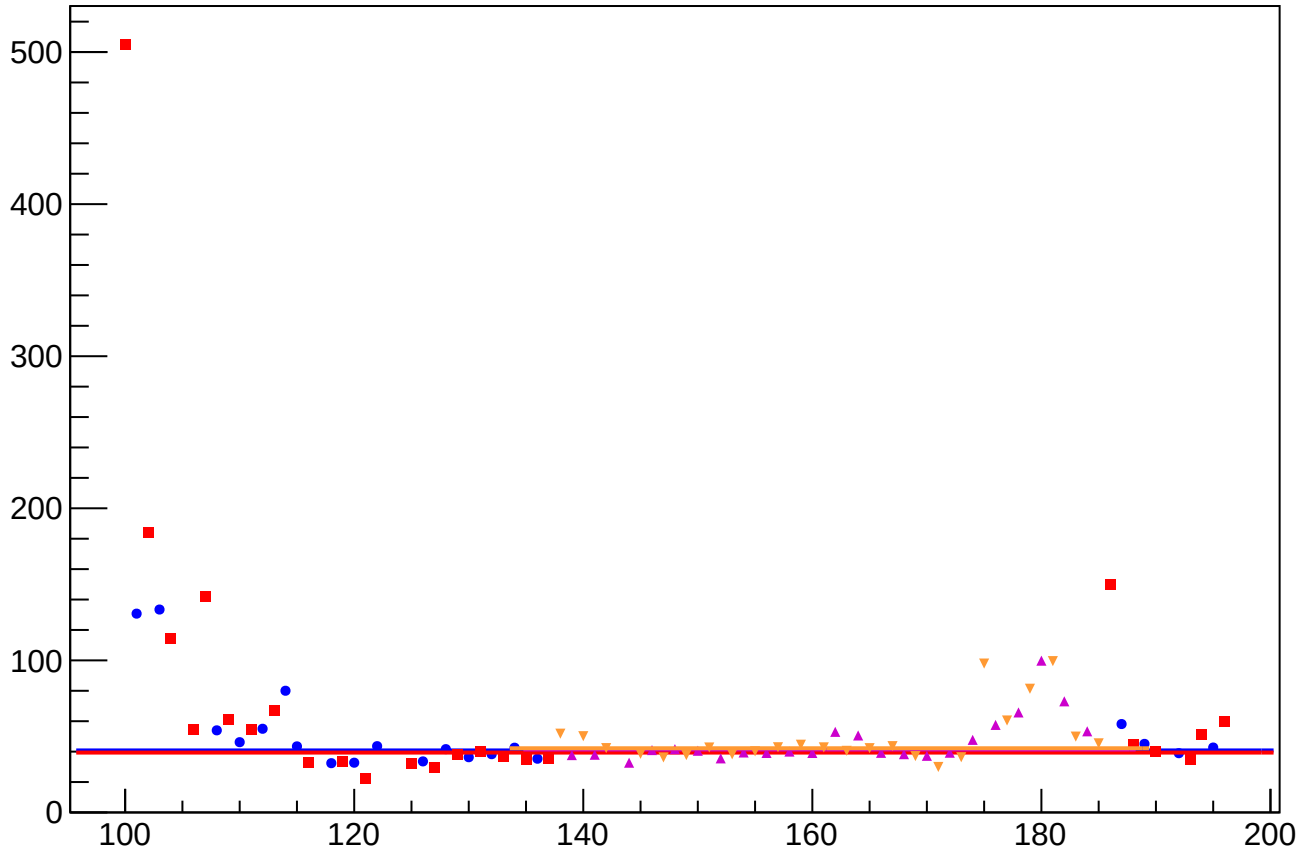
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 46.3/43

All: -0.002+/-0.006 χ^2/NDF: 83.5/90

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

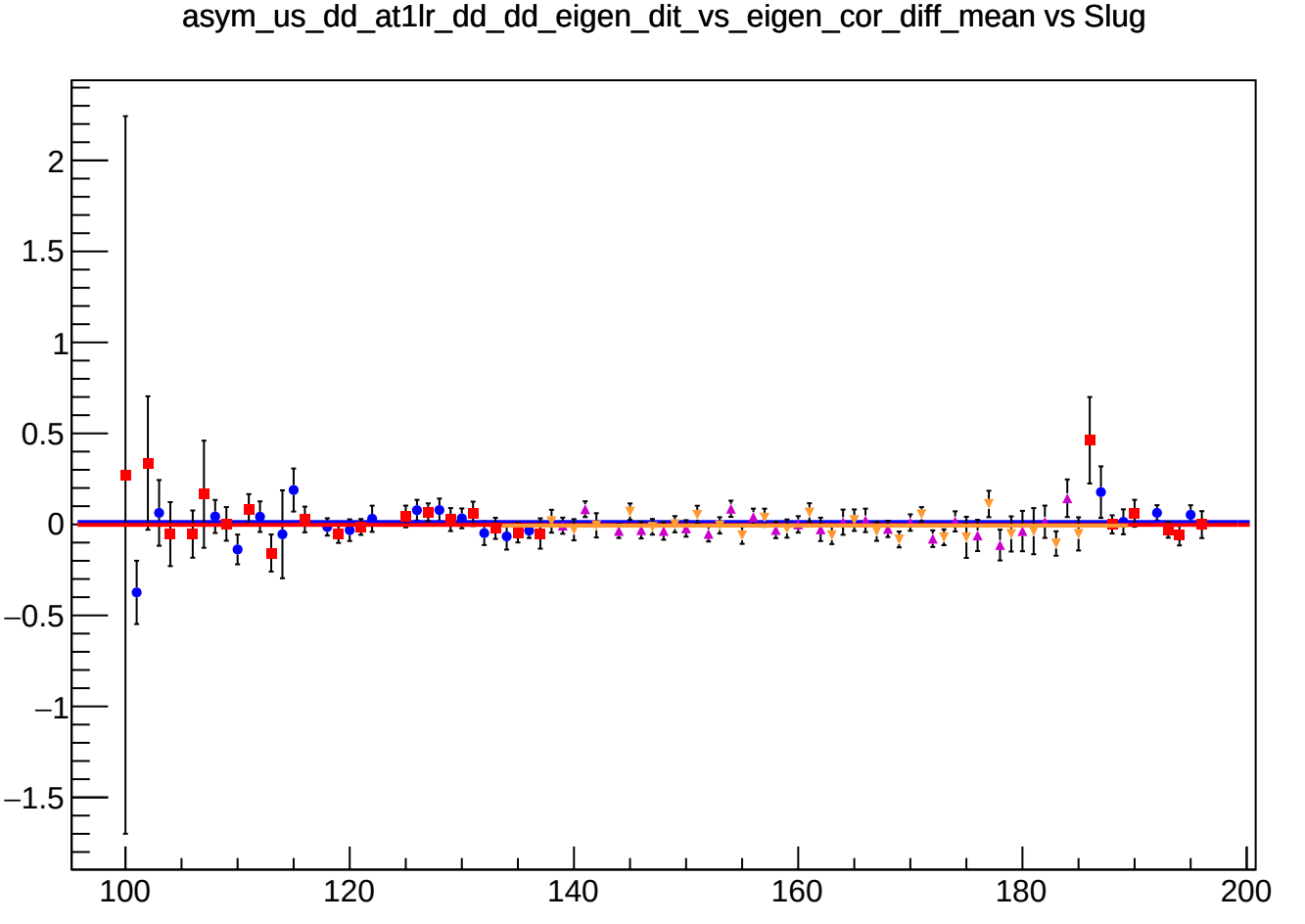
Right Out: 39.374+/-0.010 χ^2/NDF: 2598991.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287113.1/43

All: 41.158+/-0.004 χ^2/NDF: 7340352.0/90

- sign 40.650+/-0.006 χ^2/NDF: 4038419.0/46



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

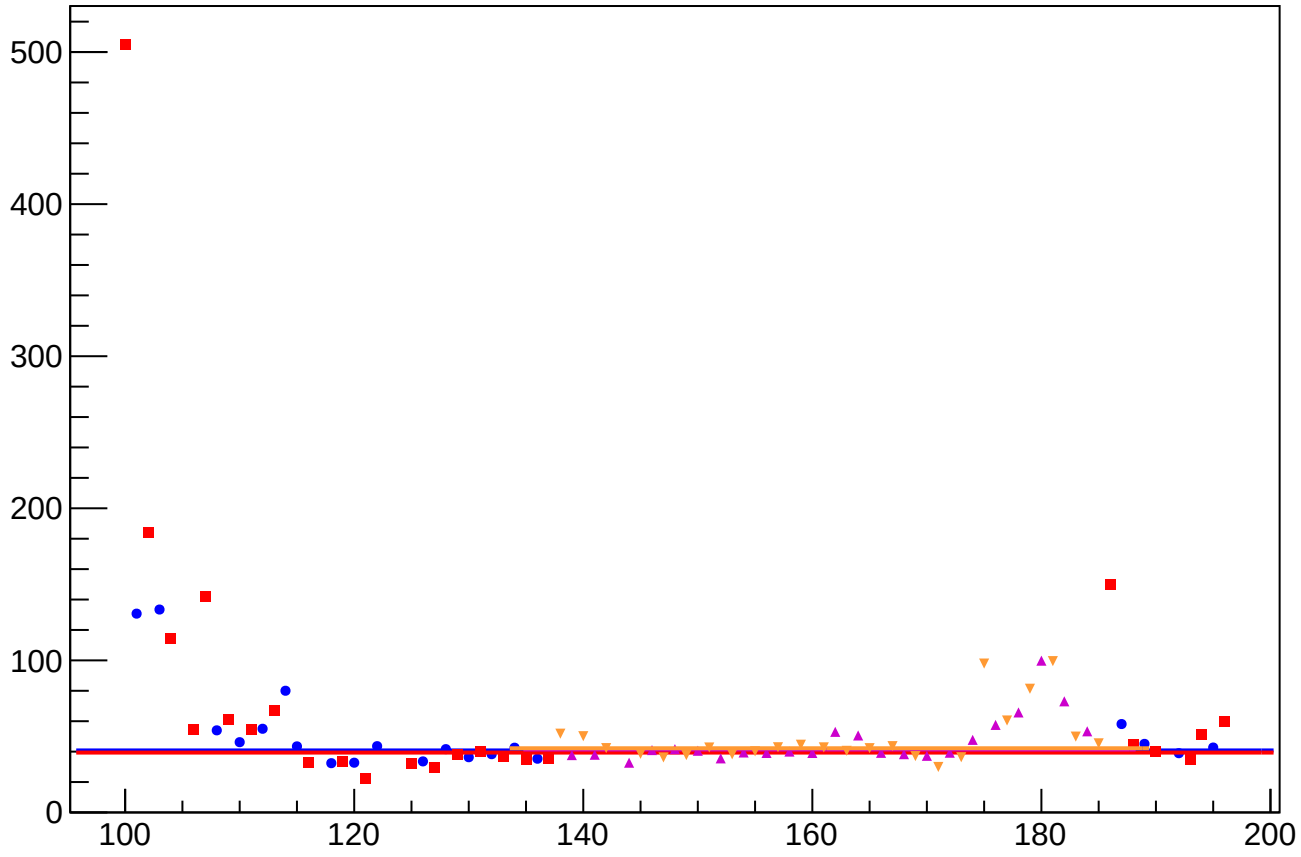
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 46.3/43

All: -0.002+/-0.006 χ^2/NDF: 83.5/90

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

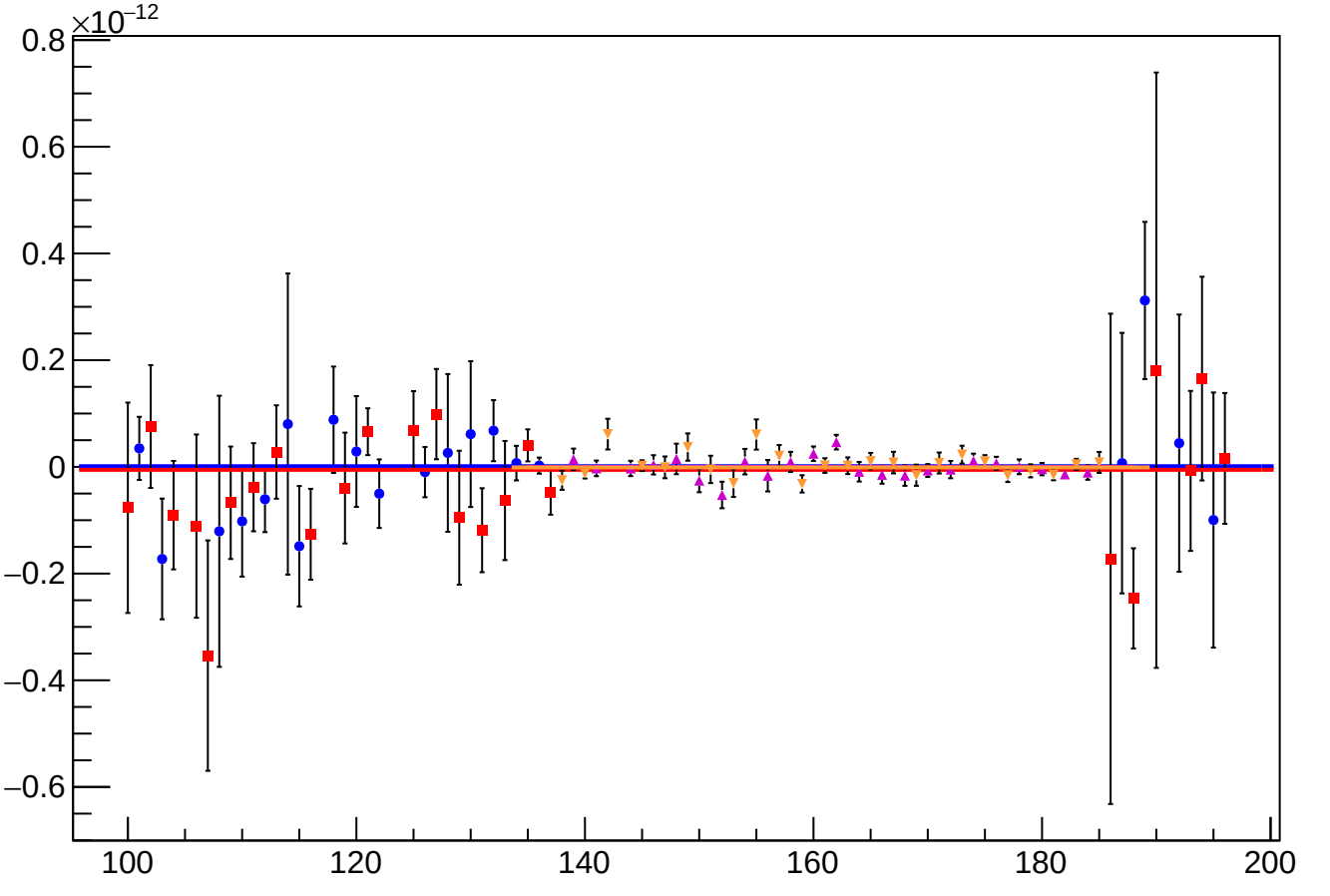
Right Out: 39.374+/-0.010 χ^2/NDF: 2598991.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.701+/-0.006 χ^2/NDF: 3287113.1/43

All: 41.158+/-0.004 χ^2/NDF: 7340352.0/90

\- sign 40.650+/-0.006 χ^2/NDF: 4038419.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

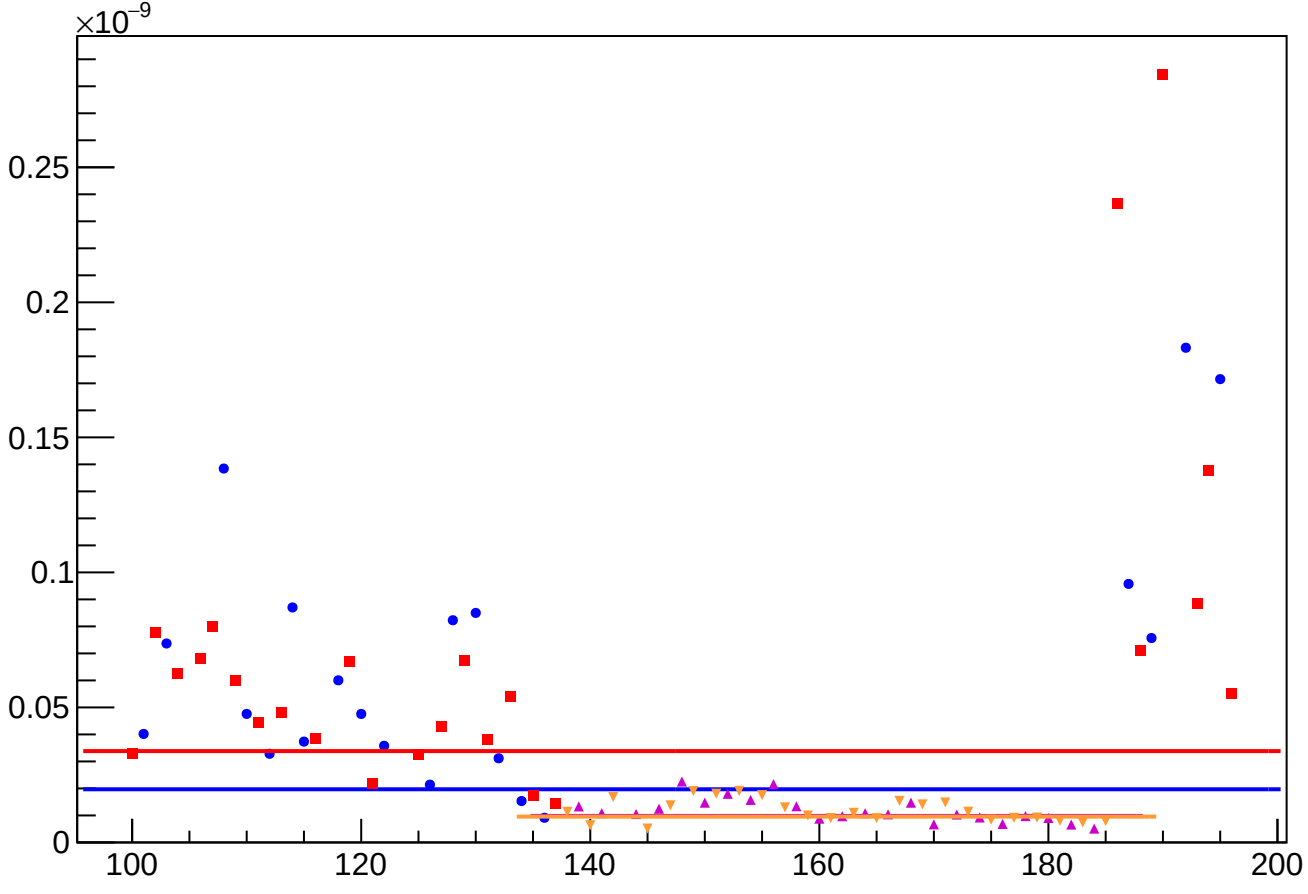
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/23

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/43

All: -0.000+/-0.000 χ^2/NDF: 98.7/90

- sign -0.000+/-0.000 χ^2/NDF: 54.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 6255892.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4498009.0/23

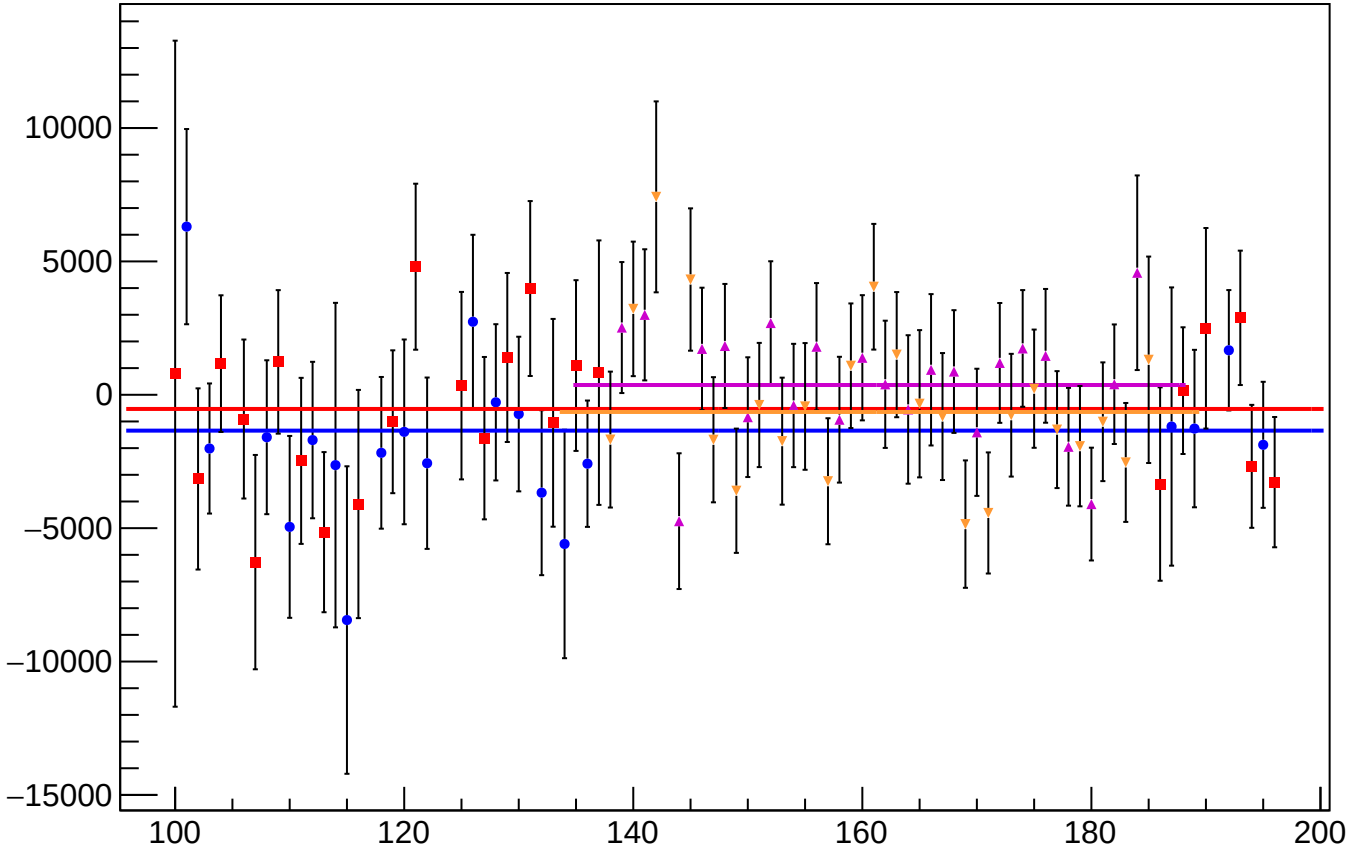
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10149388.8/43

All: 0.000+/-0.000 χ^2/NDF: 21303567.8/90

- sign 0.000+/-0.000 χ^2/NDF: 11128014.3/46

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1343.626+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -530.874+/-633.285 χ^2/NDF: 18.1/23

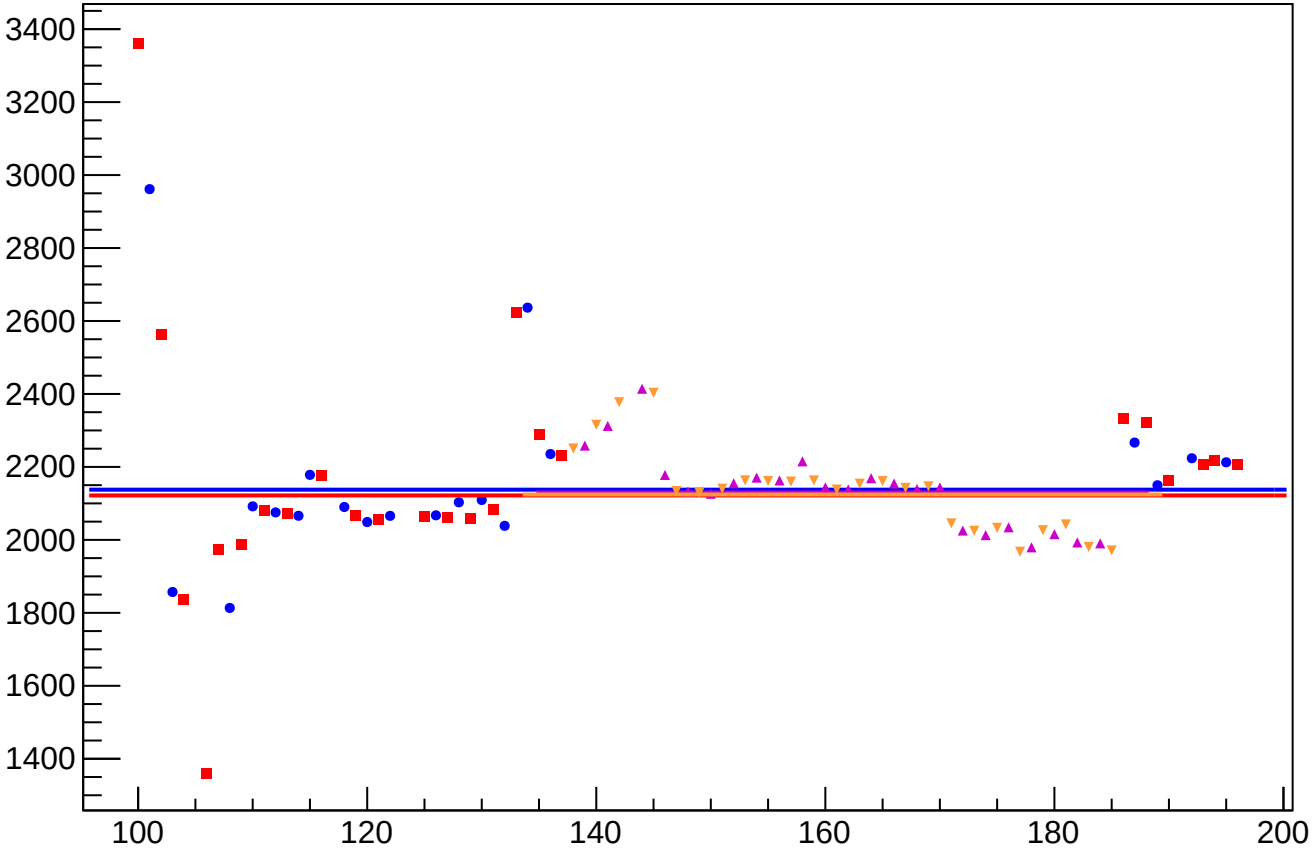
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -882.273+/-400.840 χ^2/NDF: 40.6/43

All: -418.422+/-280.043 χ^2/NDF: 79.8/90

- sign 23.861+/-391.410 χ^2/NDF: 36.6/46

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.4/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

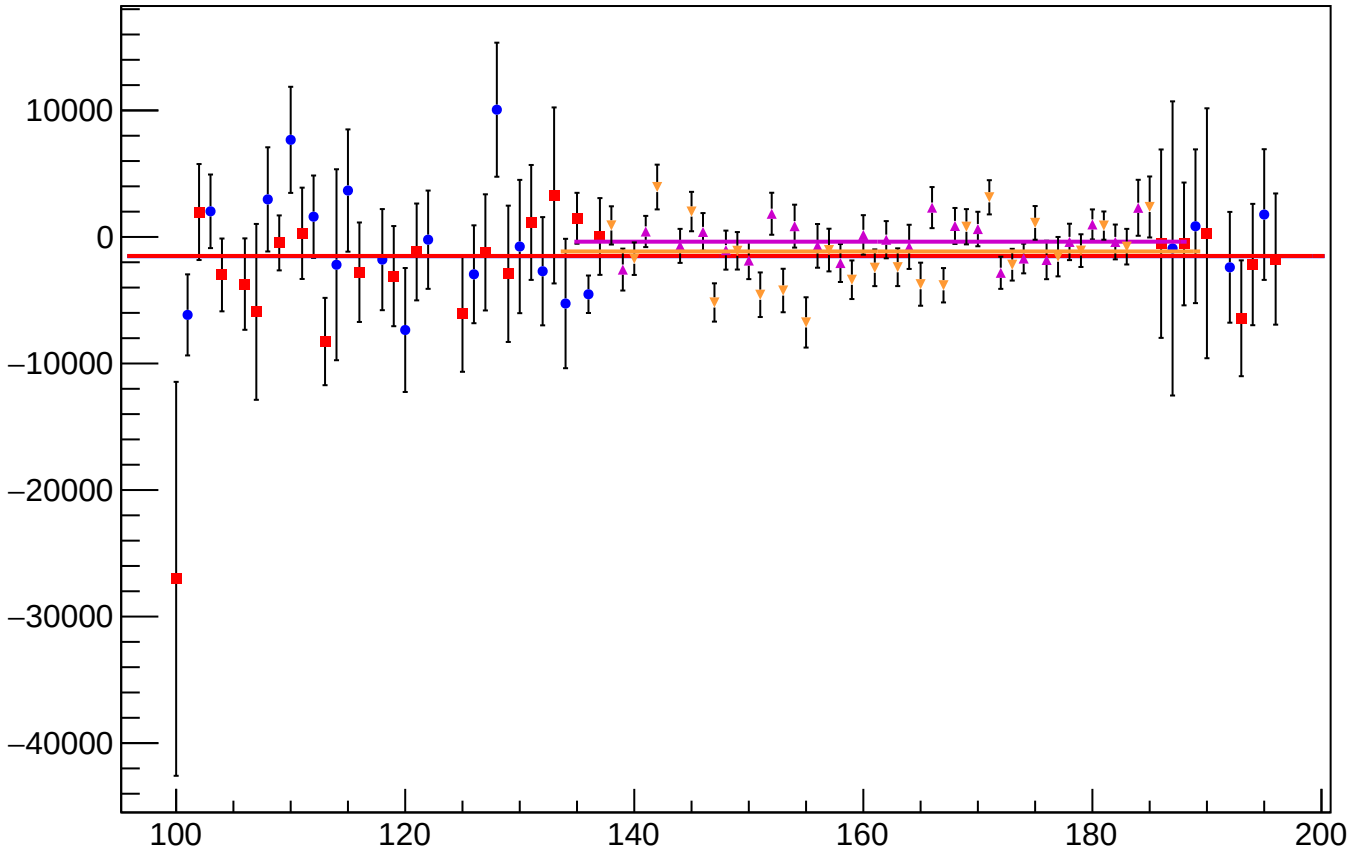
Right Out: 2121.822+/-0.448 χ^2/NDF: 290483.8/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2128.939+/-0.283 χ^2/NDF: 287450.7/43

All: 2127.850+/-0.198 χ^2/NDF: 663518.7/90

- sign 2126.812+/-0.277 χ^2/NDF: 376039.2/46



Right In: -1521.578+/-825.154 χ^2/NDF: 23.5/19

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

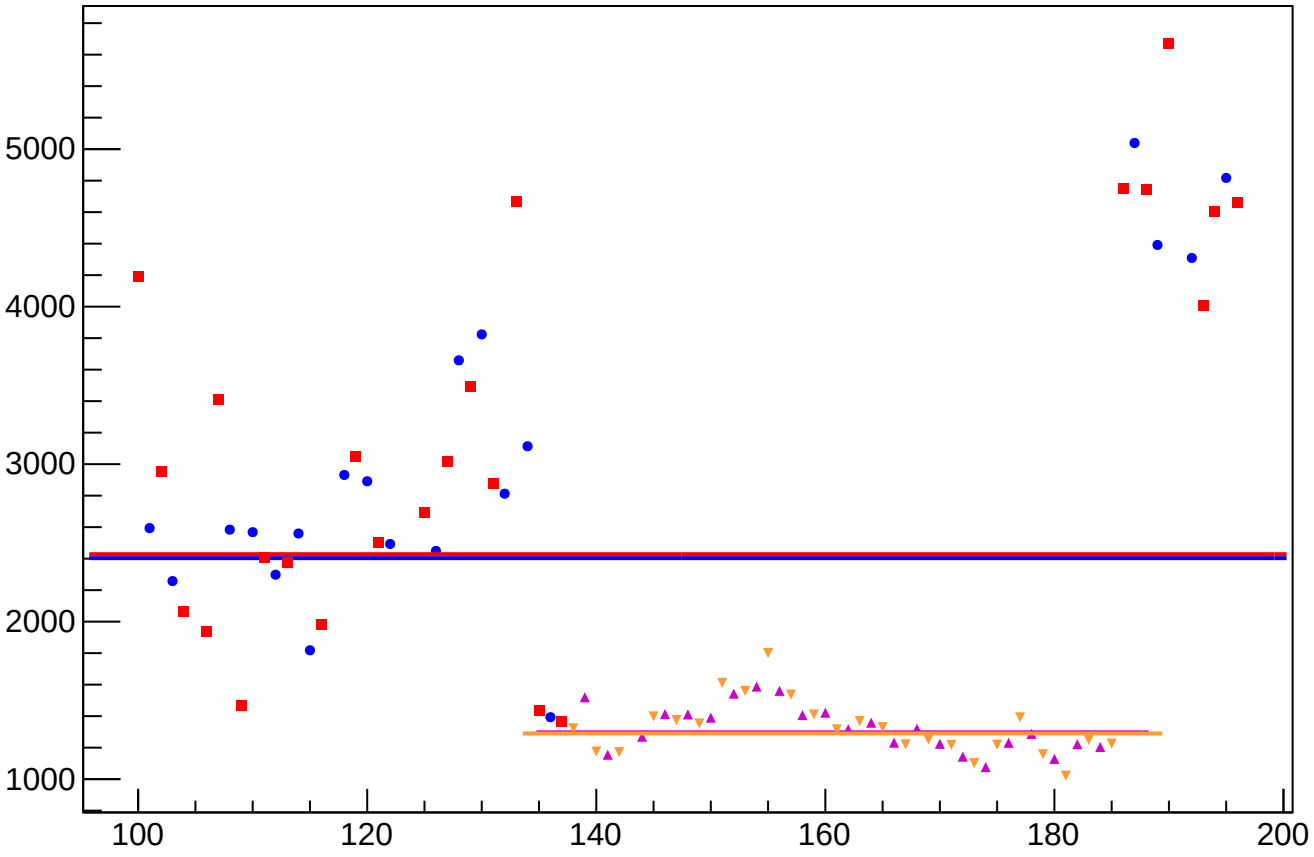
Right Out: -1501.307+/-786.883 χ^2/NDF: 14.8/23

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1189.449+/-284.006 χ^2/NDF: 91.2/43

All: -856.006+/-201.064 χ^2/NDF: 130.8/90

- sign -520.954+/-284.691 χ^2/NDF: 36.8/46



Right In: 2403.135+/-0.583 χ^2/NDF: 2485749.4/19

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

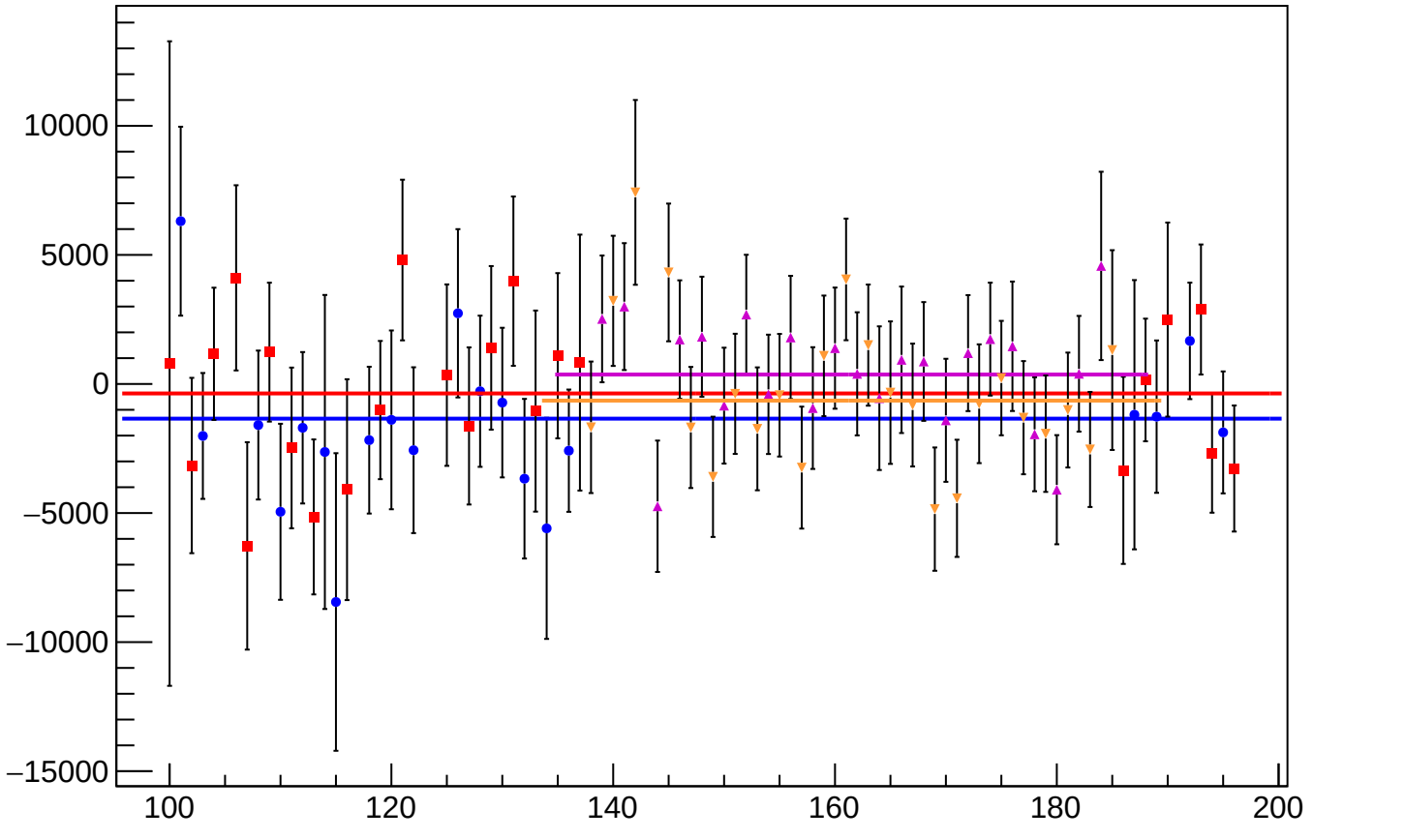
Right Out: 2428.408+/-0.556 χ^2/NDF: 3600334.7/23

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1421.892+/-0.201 χ^2/NDF: 6261982.4/43

All: 1433.664+/-0.142 χ^2/NDF: 13893838.1/9

- sign 1445.492+/-0.201 χ^2/NDF: 7624967.4/46



Right In: -1343.598+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -367.152+/-637.764 χ^2/NDF: 19.7/23

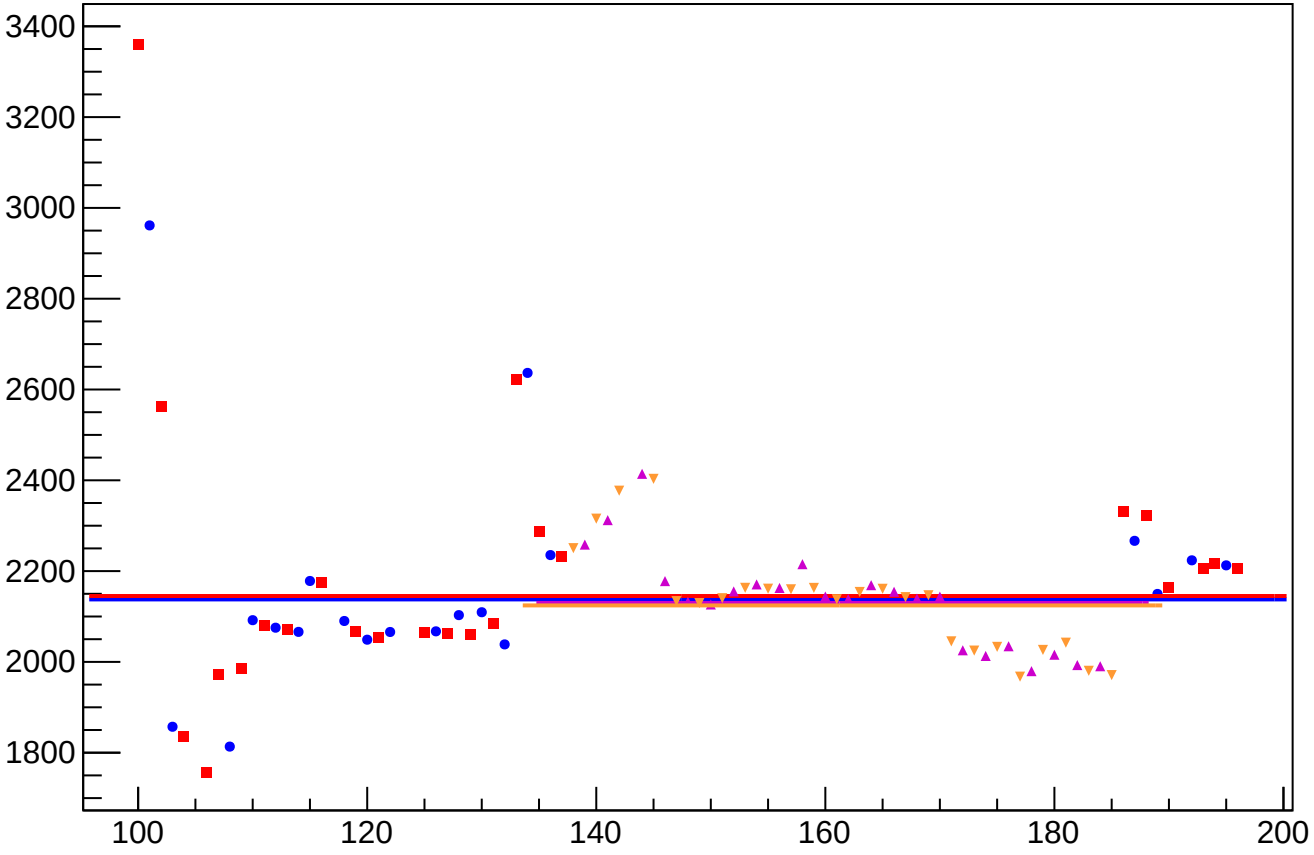
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -882.173+/-400.841 χ^2/NDF: 40.6/43

All: -386.445+/-280.427 χ^2/NDF: 81.4/90

- sign 88.773+/-392.461 χ^2/NDF: 37.8/46

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.8/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

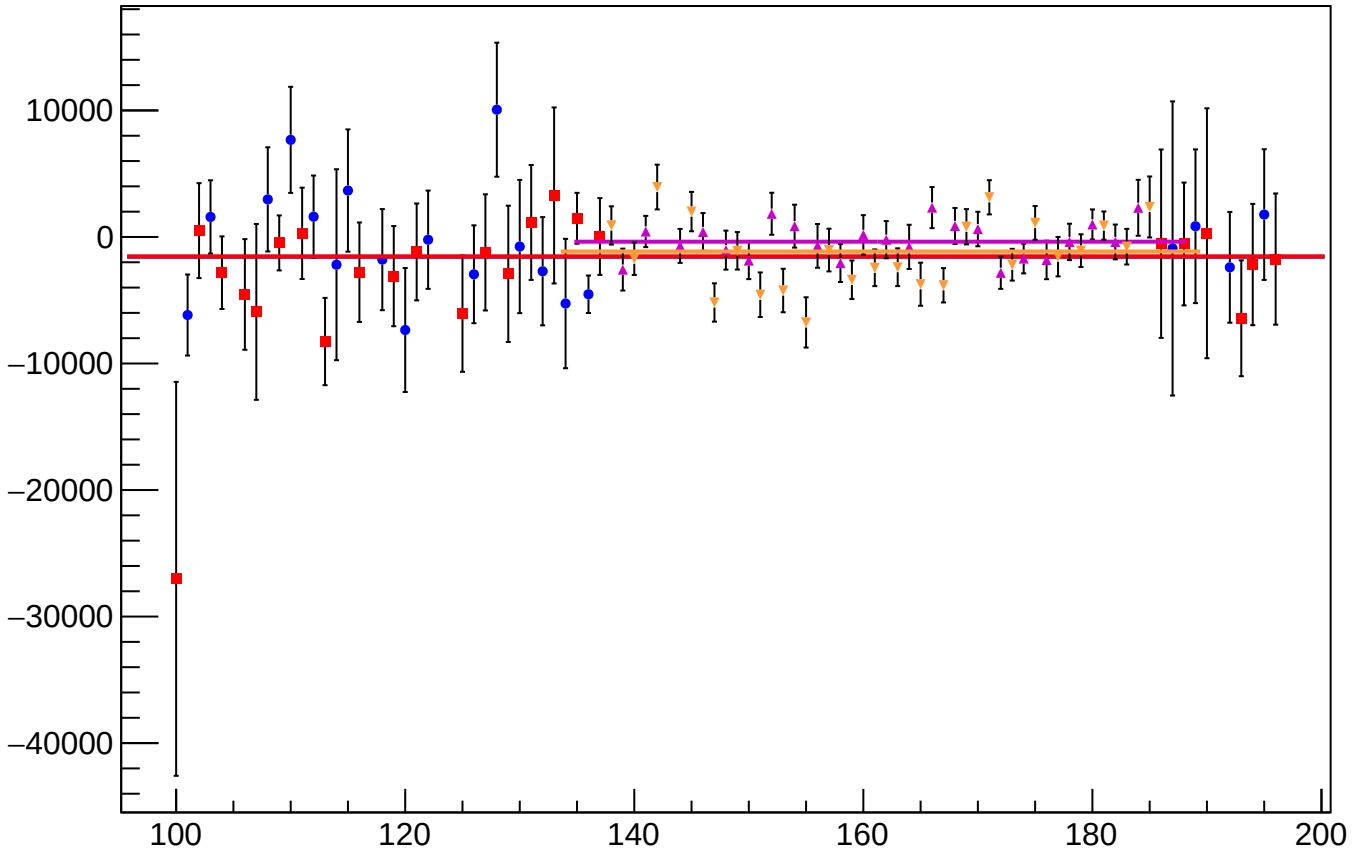
Right Out: 2145.116+/-0.451 χ^2/NDF: 178193.5/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2128.939+/-0.283 χ^2/NDF: 287451.0/43

All: 2132.371+/-0.198 χ^2/NDF: 551993.6/90

\- sign 2135.660+/-0.278 χ^2/NDF: 264255.6/46



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

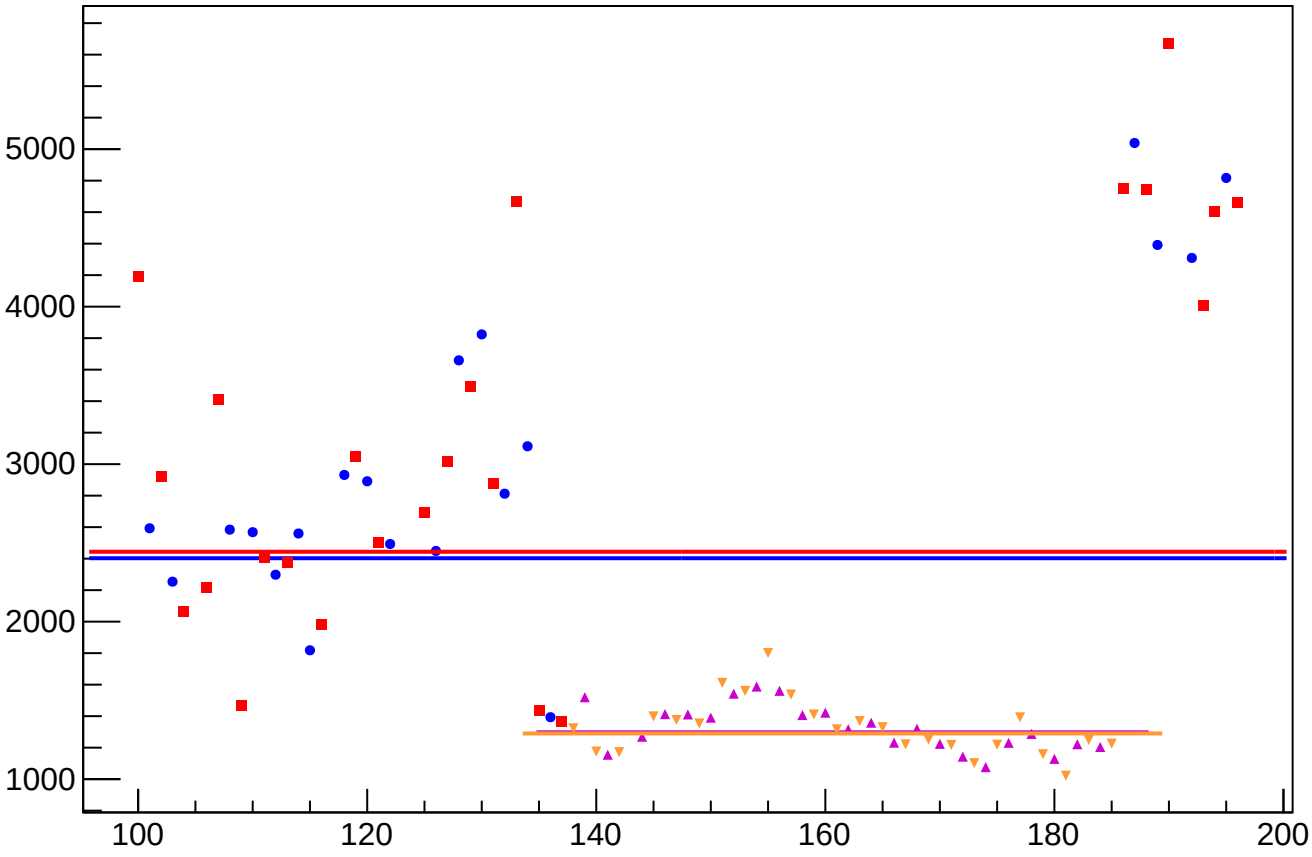
Right Out: -1543.617+/-792.334 χ^2/NDF: 14.2/23

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

\+ sign -1193.574+/-283.998 χ^2/NDF: 90.9/43

All: -860.185+/-201.152 χ^2/NDF: 130.1/90

\- sign -524.563+/-284.947 χ^2/NDF: 36.5/46



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

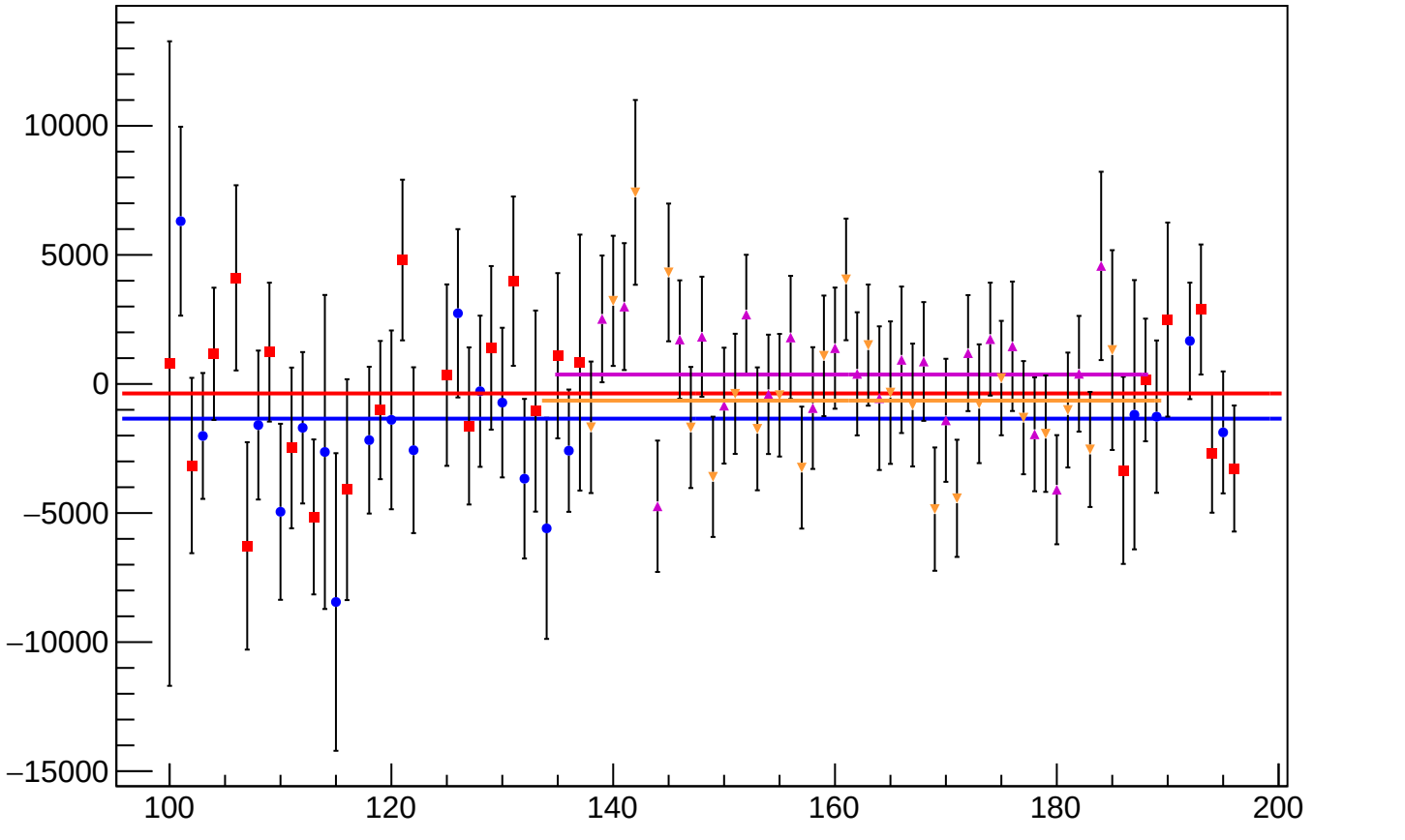
Right Out: 2443.826+/-0.560 χ^2/NDF: 3564781.0/23

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1421.925+/-0.201 χ^2/NDF: 6261298.9/43

All: 1433.784+/-0.142 χ^2/NDF: 13912220.9/9

- sign 1445.722+/-0.201 χ^2/NDF: 7643924.1/46



Right In: -1343.598+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -367.152+/-637.764 χ^2/NDF: 19.7/23

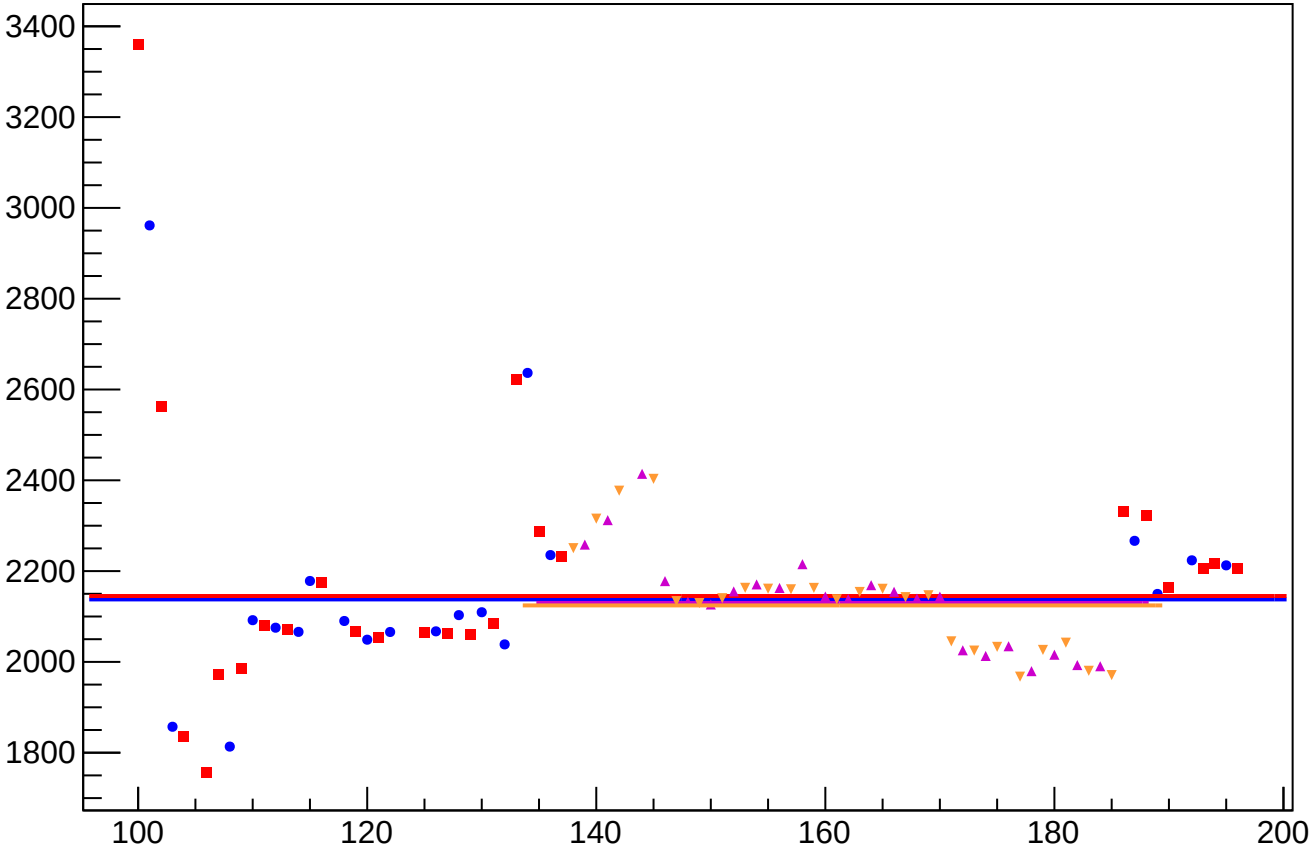
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -882.173+/-400.841 χ^2/NDF: 40.6/43

All: -386.445+/-280.427 χ^2/NDF: 81.4/90

- sign 88.773+/-392.461 χ^2/NDF: 37.8/46

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.8/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

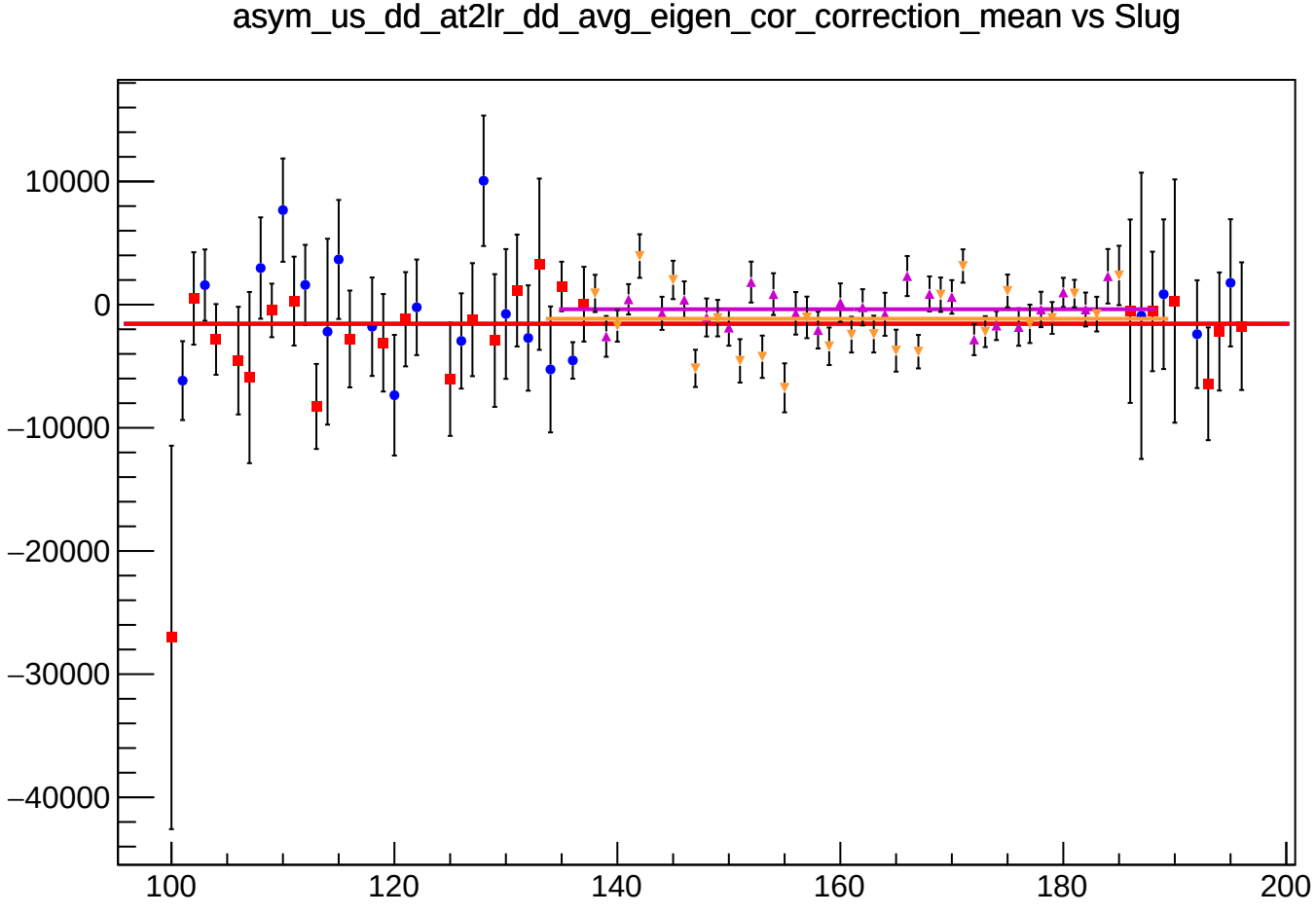
Right Out: 2145.116+/-0.451 χ^2/NDF: 178193.5/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2128.939+/-0.283 χ^2/NDF: 287451.0/43

All: 2132.371+/-0.198 χ^2/NDF: 551993.6/90

- sign 2135.660+/-0.278 χ^2/NDF: 264255.6/46



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

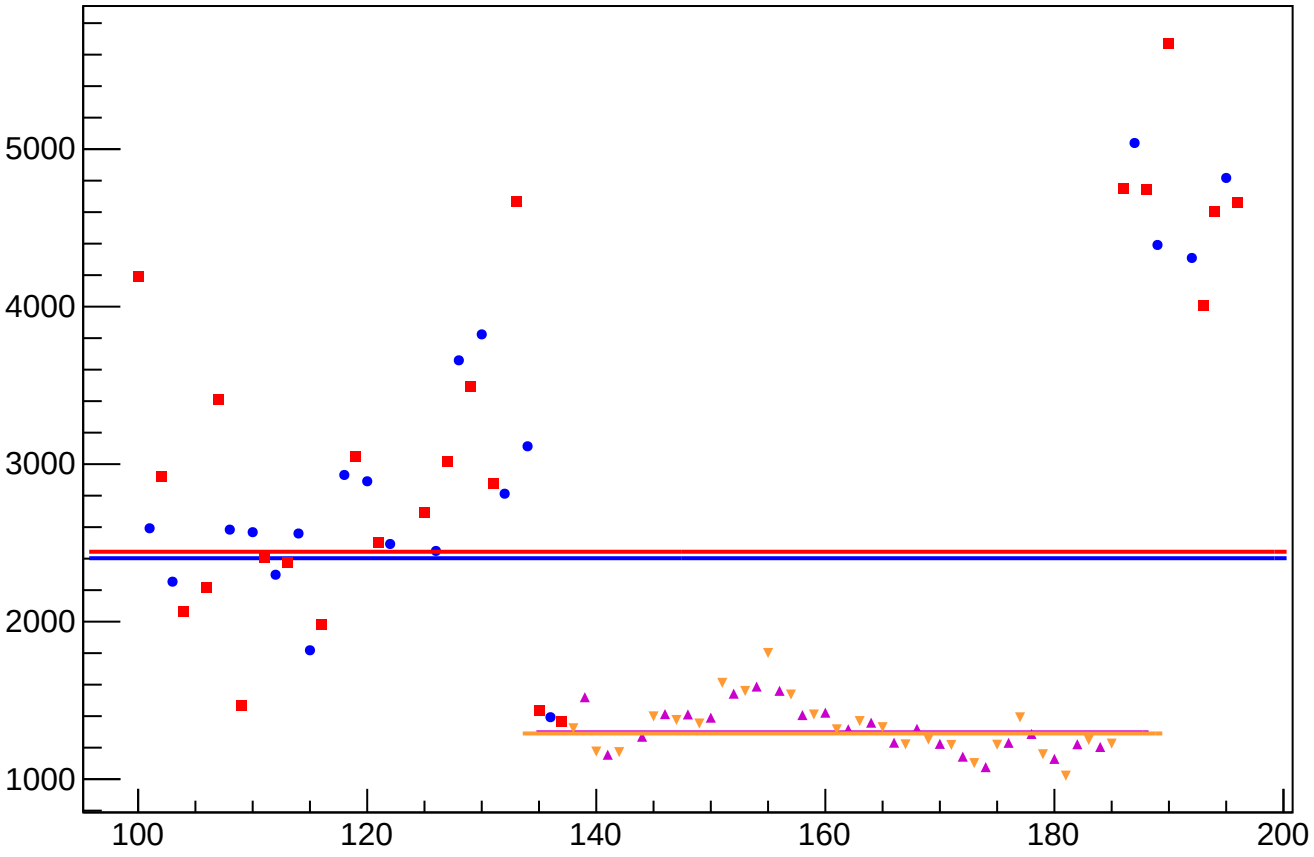
Right Out: -1543.617+/-792.334 χ^2/NDF: 14.2/23

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1193.574+/-283.998 χ^2/NDF: 90.9/43

All: -860.185+/-201.152 χ^2/NDF: 130.1/90

- sign -524.563+/-284.947 χ^2/NDF: 36.5/46



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

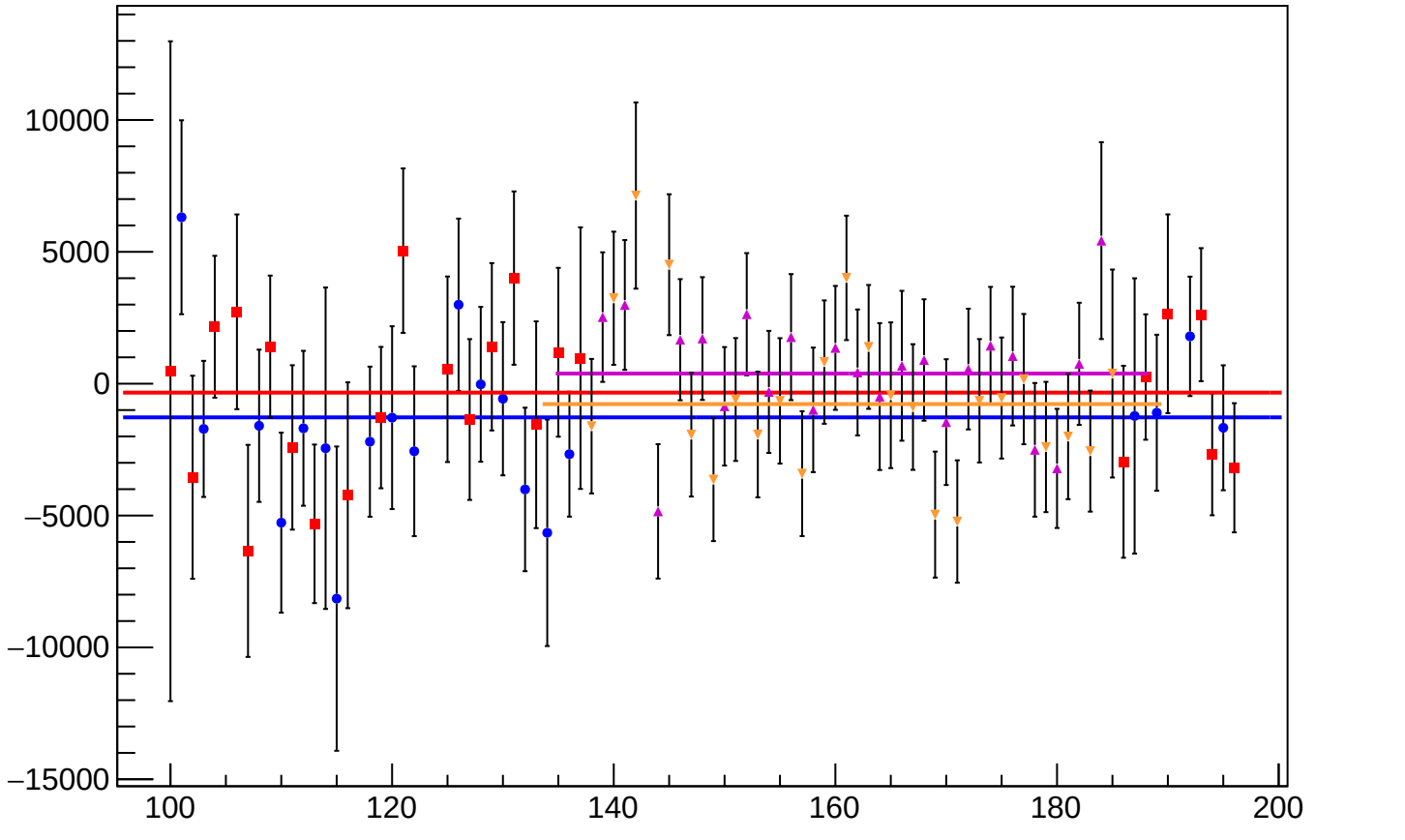
Right Out: 2443.826+/-0.560 χ^2/NDF: 3564781.0/23

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1421.925+/-0.201 χ^2/NDF: 6261298.9/43

All: 1433.784+/-0.142 χ^2/NDF: 13912220.9/9

- sign 1445.722+/-0.201 χ^2/NDF: 7643924.1/46



Right In: -1276.821+/-690.929 χ^2/NDF: 13.4/19

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -338.697+/-643.783 χ^2/NDF: 19.6/23

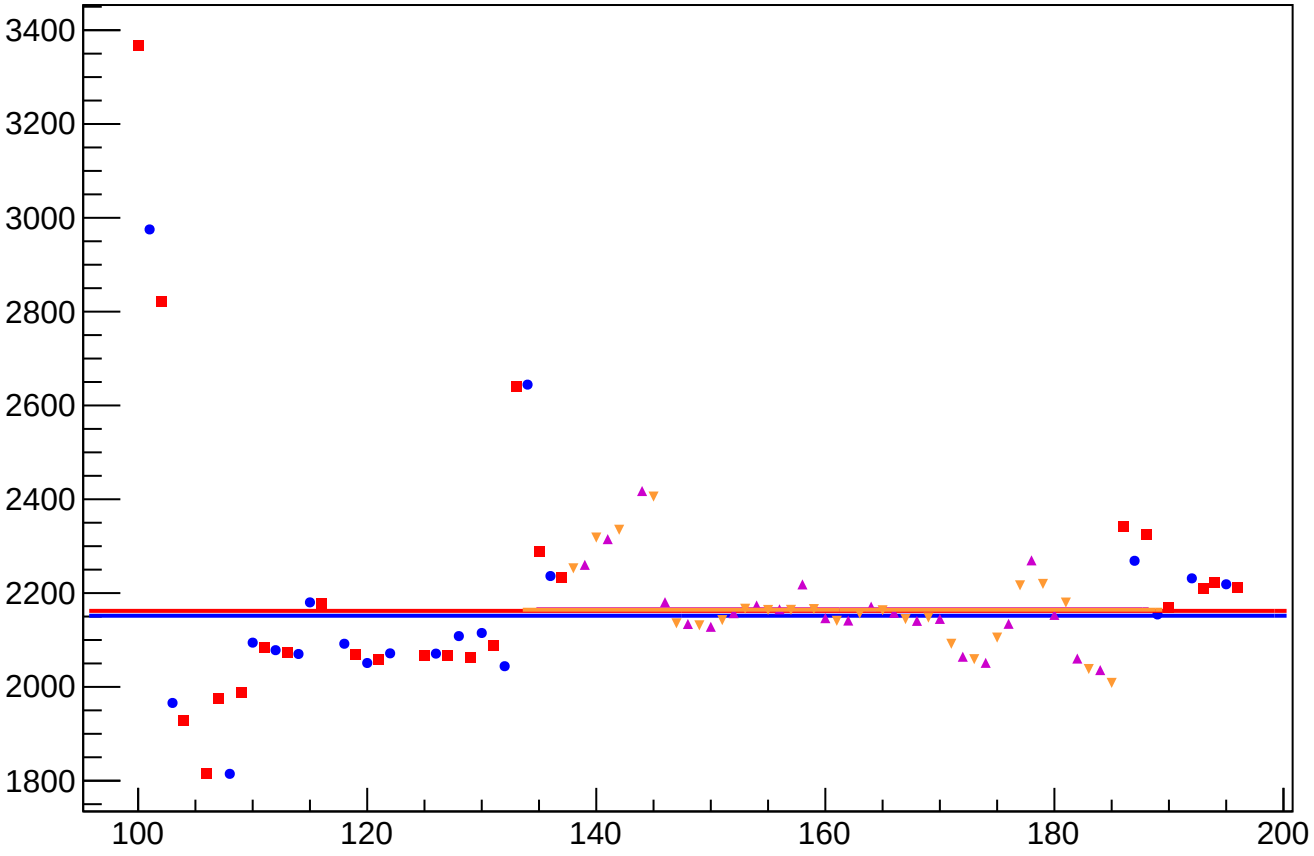
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -947.820+/-406.555 χ^2/NDF: 42.3/43

All: -408.089+/-284.351 χ^2/NDF: 81.8/90

- sign 108.778+/-397.851 χ^2/NDF: 36.0/46

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2151.739+/-0.489 χ^2/NDF: 182343.8/19

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

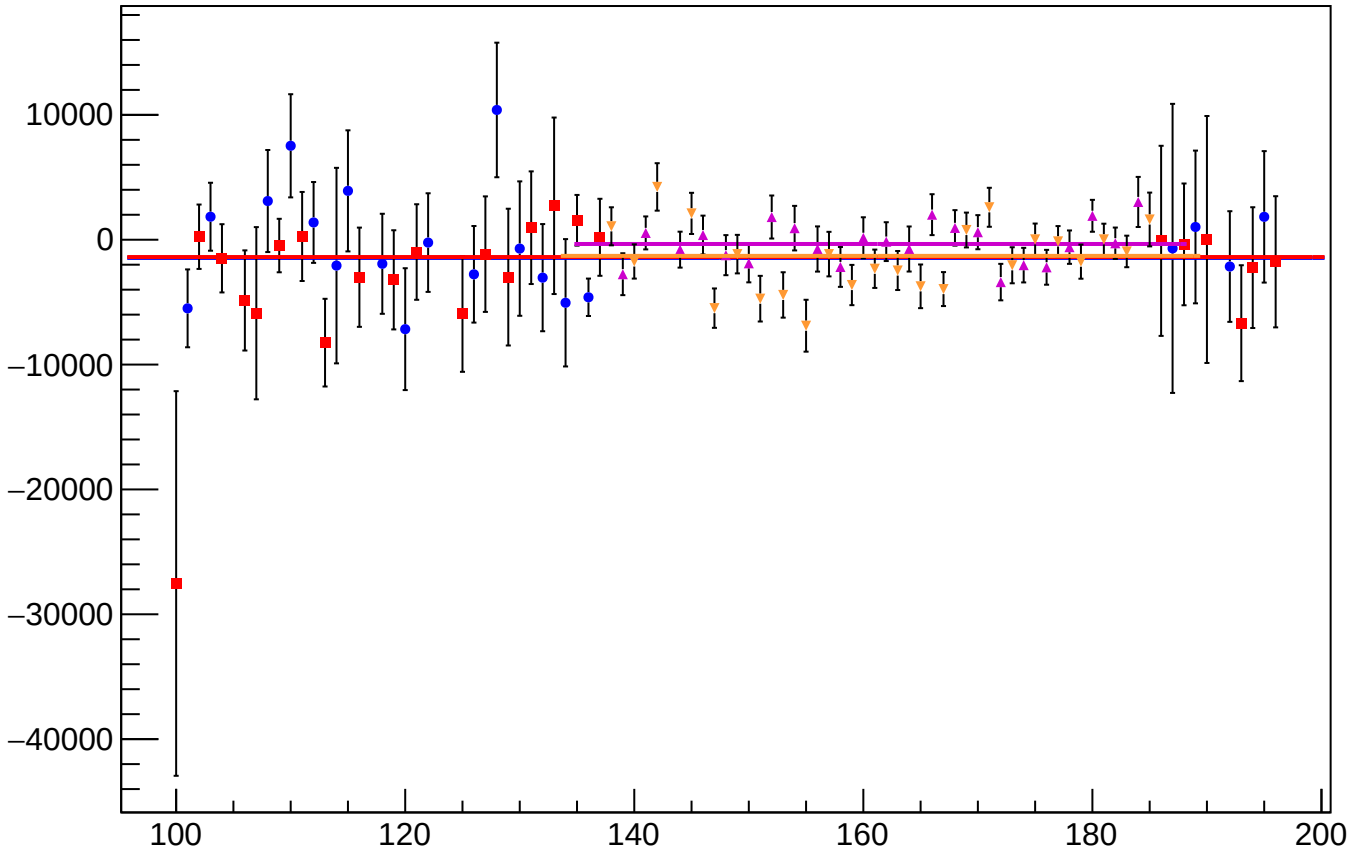
Right Out: 2162.088+/-0.455 χ^2/NDF: 186912.0/23

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2160.103+/-0.287 χ^2/NDF: 233468.3/43

All: 2162.239+/-0.201 χ^2/NDF: 472650.7/90

- sign 2164.285+/-0.281 χ^2/NDF: 239074.2/46



Right In: -1456.230+/-823.652 χ^2/NDF: 23.2/19

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

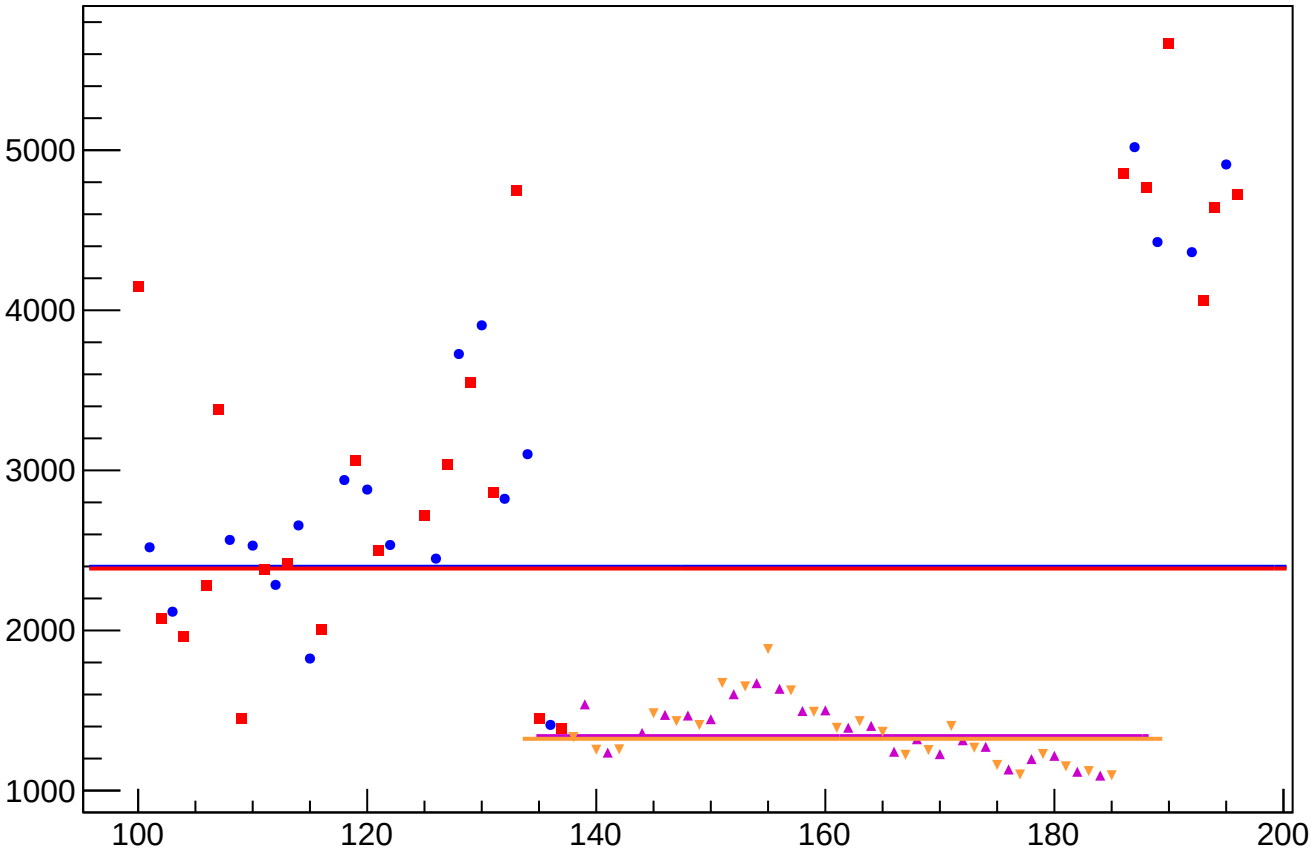
Right Out: -1386.633+/-770.835 χ^2/NDF: 14.5/23

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1313.951+/-290.640 χ^2/NDF: 81.9/43

All: -904.608+/-206.007 χ^2/NDF: 126.8/90

- sign -491.309+/-292.041 χ^2/NDF: 40.9/46



Right In: 2397.901+/-0.582 χ^2/NDF: 2497875.2/19

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

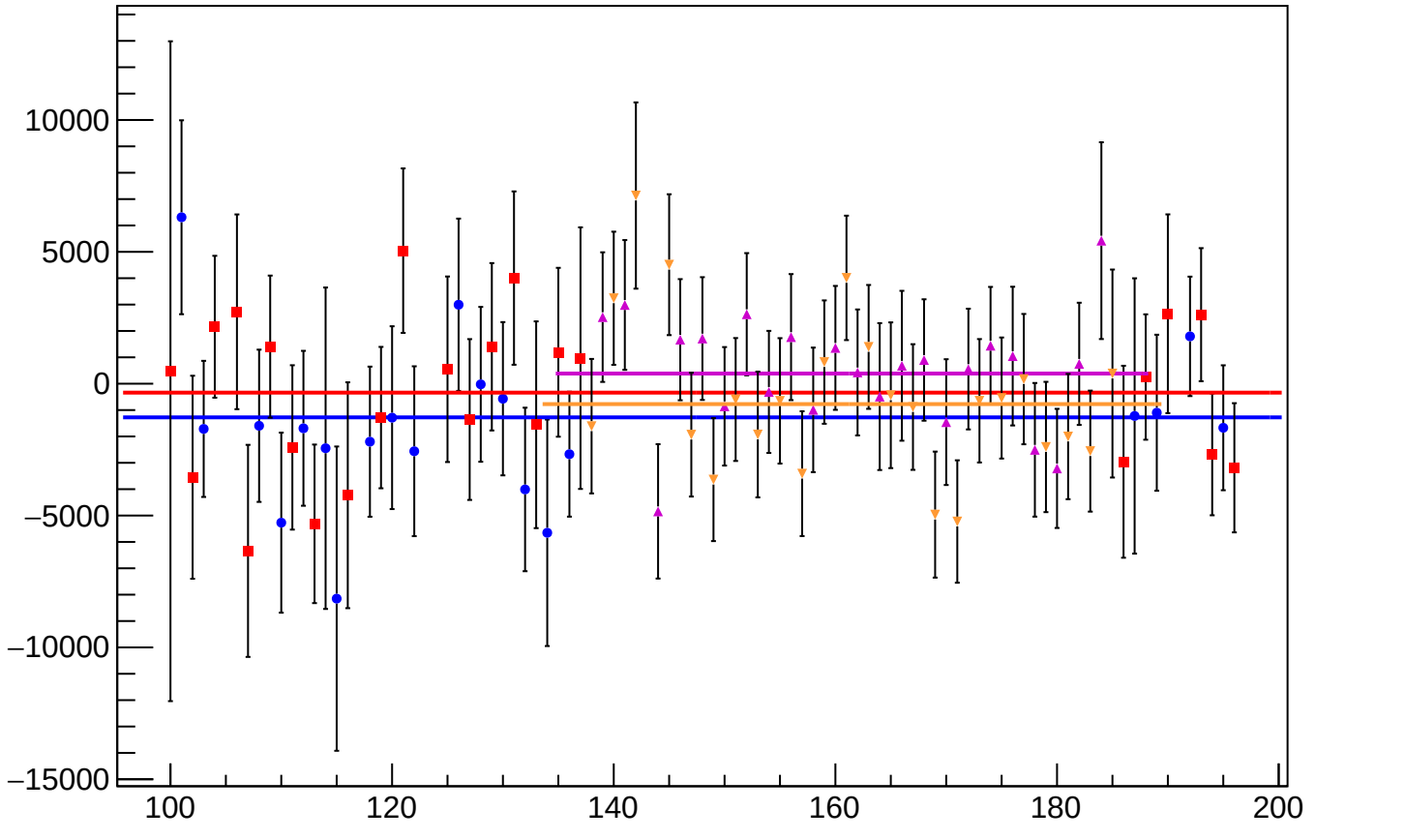
Right Out: 2386.866+/-0.545 χ^2/NDF: 3626670.1/23

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1457.195+/-0.206 χ^2/NDF: 6141642.7/43

All: 1473.686+/-0.146 χ^2/NDF: 13434357.7/9

- sign 1490.337+/-0.207 χ^2/NDF: 7279774.3/46



Right In: -1276.823+/-690.929 χ^2/NDF: 13.4/19

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -338.697+/-643.783 χ^2/NDF: 19.6/23

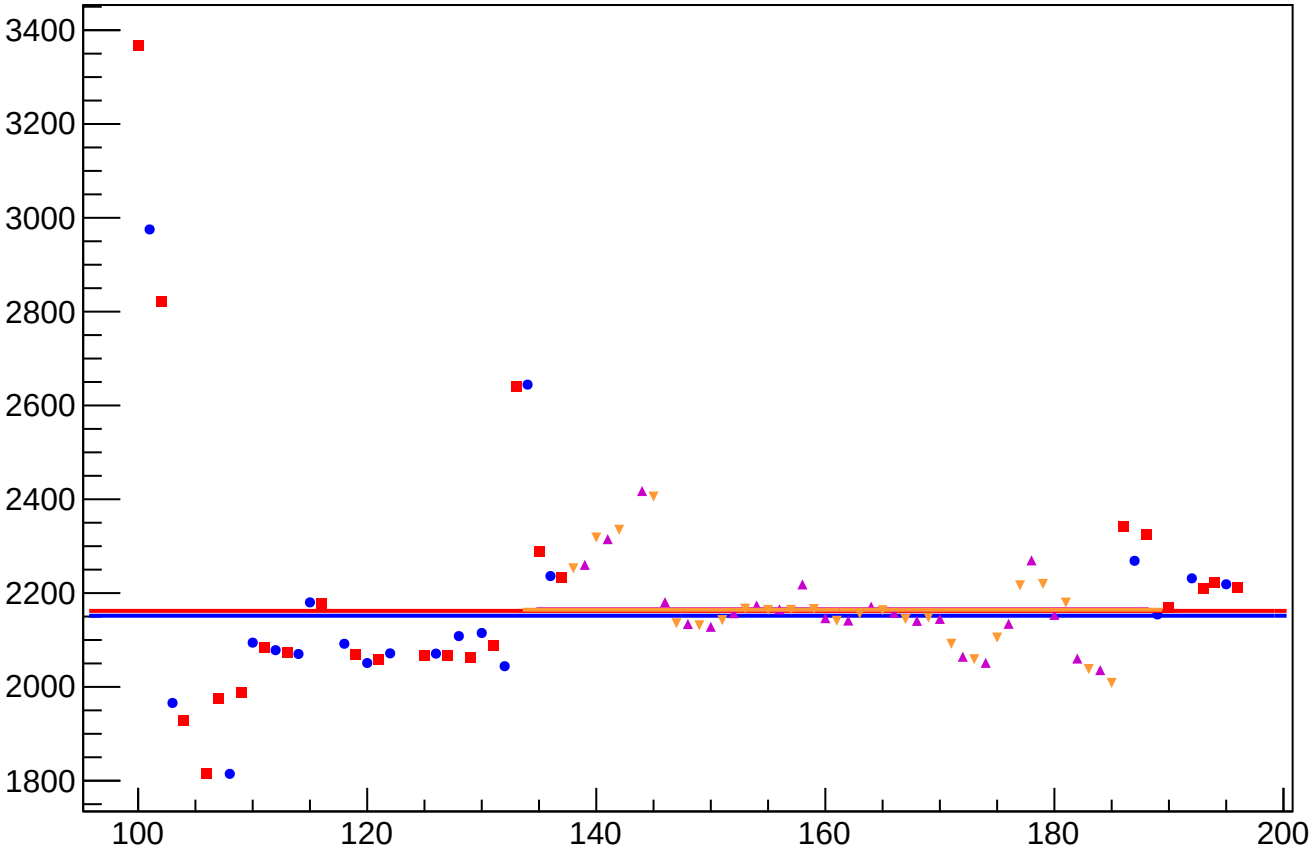
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -947.818+/-406.555 χ^2/NDF: 42.3/43

All: -408.088+/-284.351 χ^2/NDF: 81.8/90

- sign 108.778+/-397.851 χ^2/NDF: 36.0/46

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2151.739+/-0.489 χ^2/NDF: 182343.7/19

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

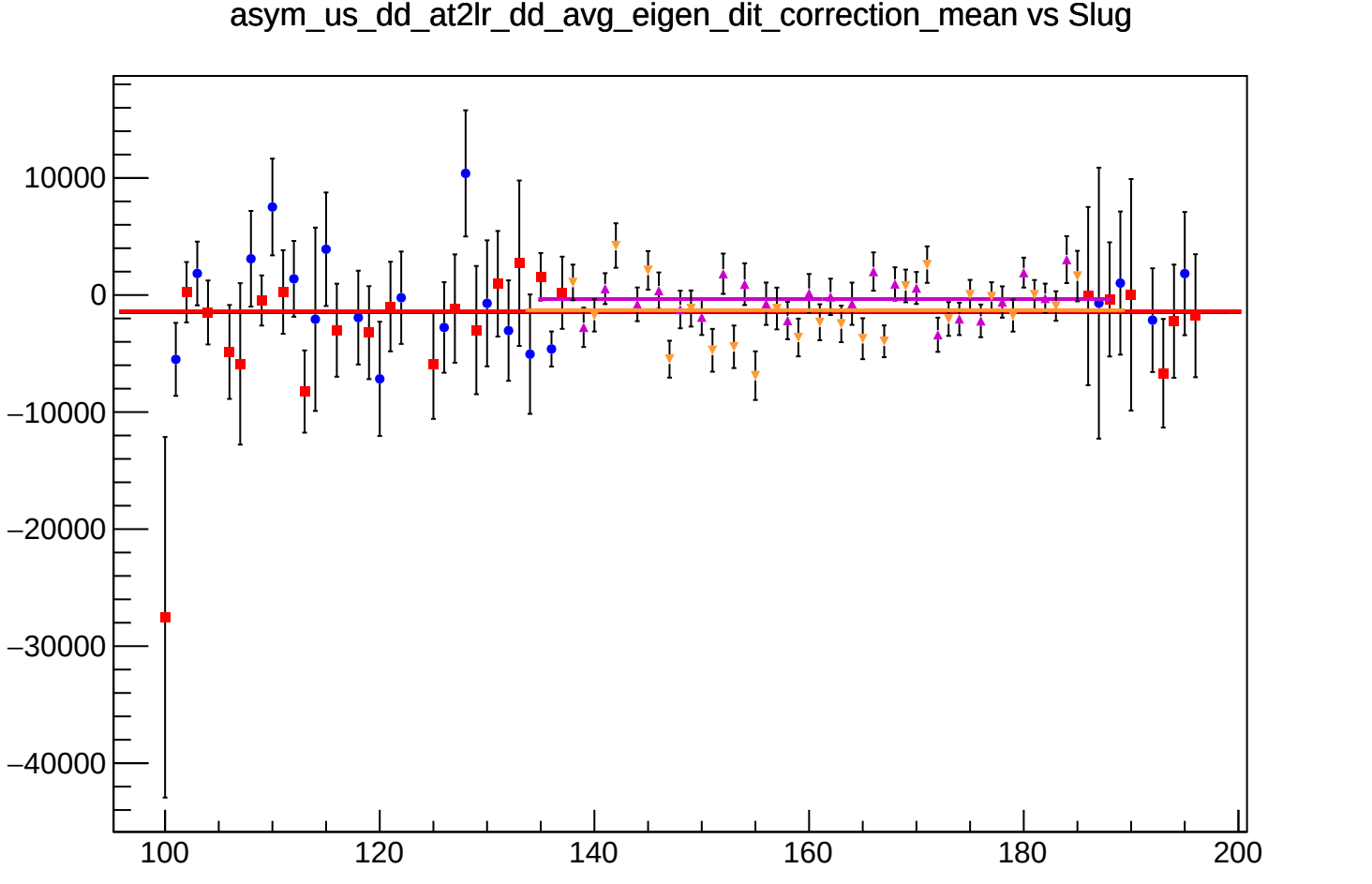
Right Out: 2162.088+/-0.455 χ^2/NDF: 186912.0/23

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2160.102+/-0.287 χ^2/NDF: 233468.3/43

All: 2162.239+/-0.201 χ^2/NDF: 472650.6/90

- sign 2164.285+/-0.281 χ^2/NDF: 239074.1/46



Right In: -1456.217+/-823.654 χ^2/NDF: 23.2/19

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

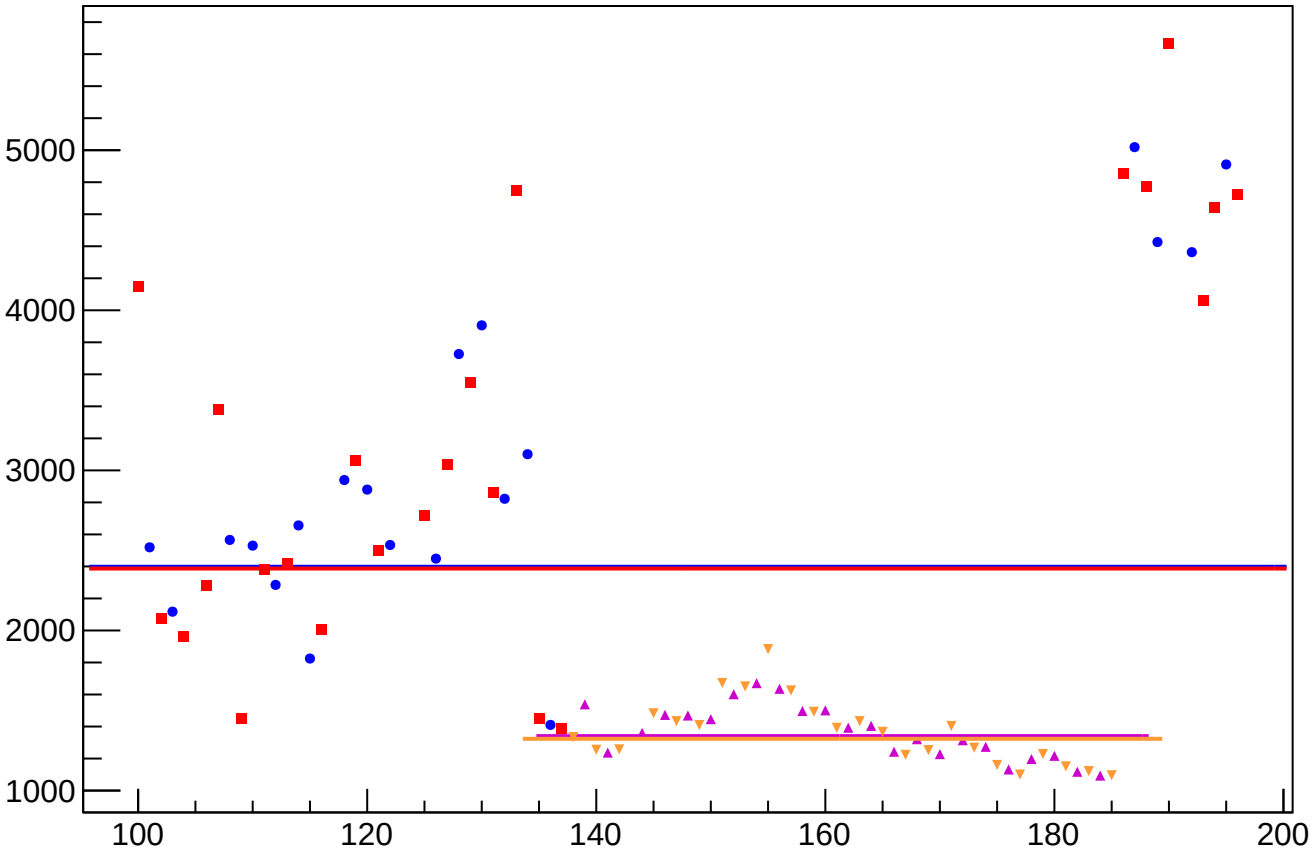
Right Out: -1386.650+/-770.838 χ^2/NDF: 14.5/23

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1313.951+/-290.641 χ^2/NDF: 81.9/43

All: -904.607+/-206.007 χ^2/NDF: 126.8/90

- sign -491.308+/-292.041 χ^2/NDF: 40.9/46



Right In: 2397.914+/-0.582 χ^2/NDF: 2497799.3/19

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2386.879+/-0.545 χ^2/NDF: 3626596.7/23

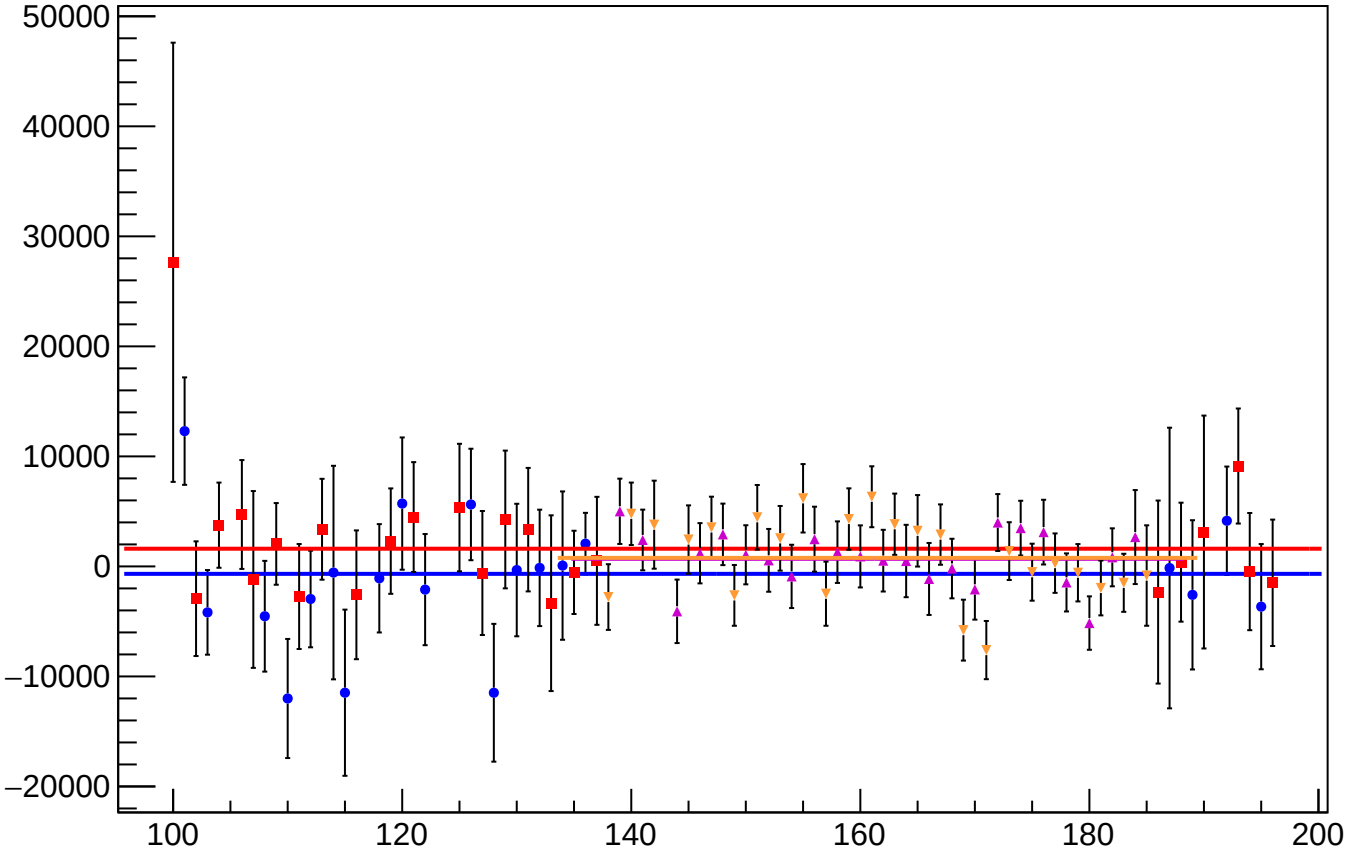
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1457.195+/-0.206 χ^2/NDF: 6141619.8/43

All: 1473.686+/-0.146 χ^2/NDF: 13434337.4/9

- sign 1490.336+/-0.207 χ^2/NDF: 7279777.8/46

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -676.372+/-1155.851 χ^2/NDF: 23.2/19

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1608.139+/-1095.832 χ^2/NDF: 9.5/23

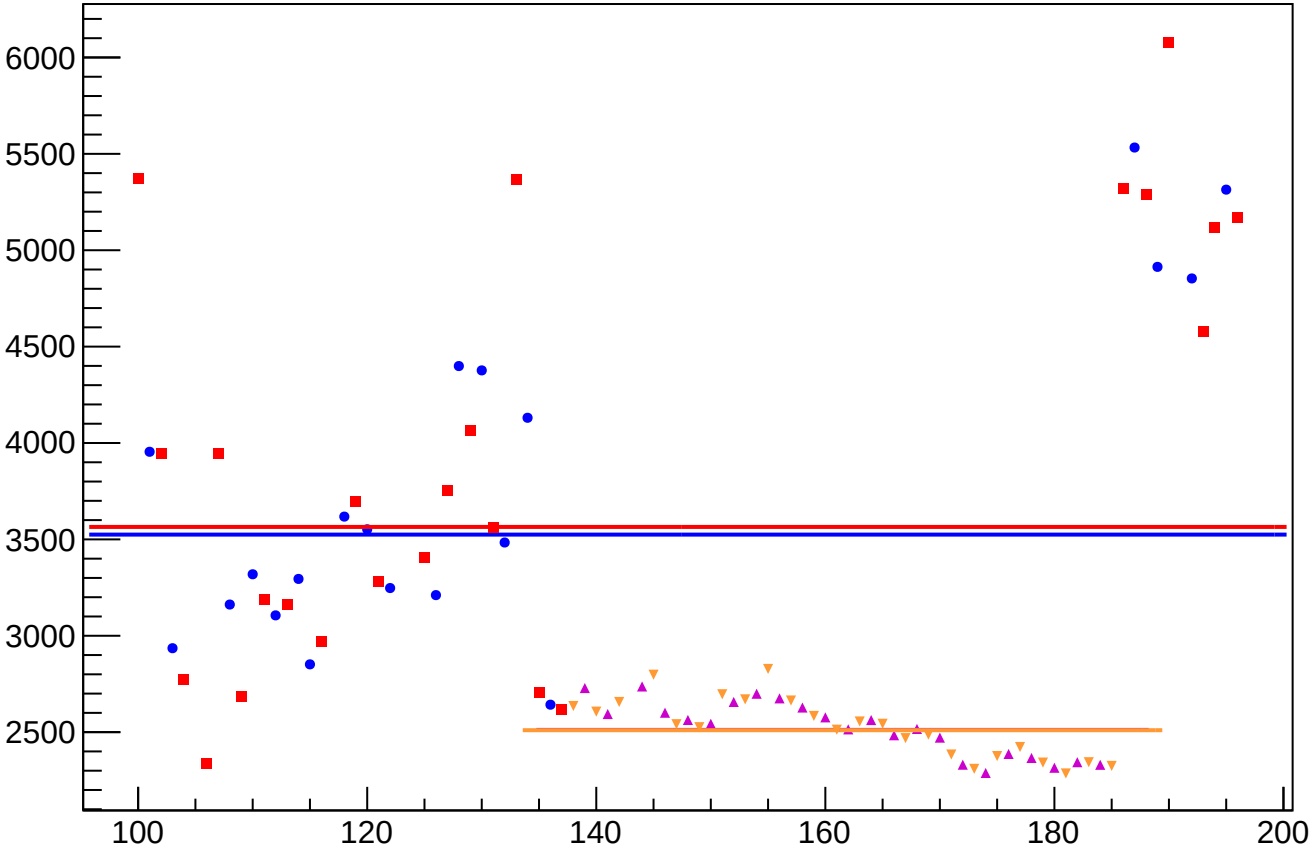
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 479.918+/-521.026 χ^2/NDF: 63.8/43

All: 688.738+/-367.252 χ^2/NDF: 92.6/90

- sign 894.928+/-517.734 χ^2/NDF: 28.4/46

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3524.826+/-0.817 χ^2/NDF: 895923.5/19

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

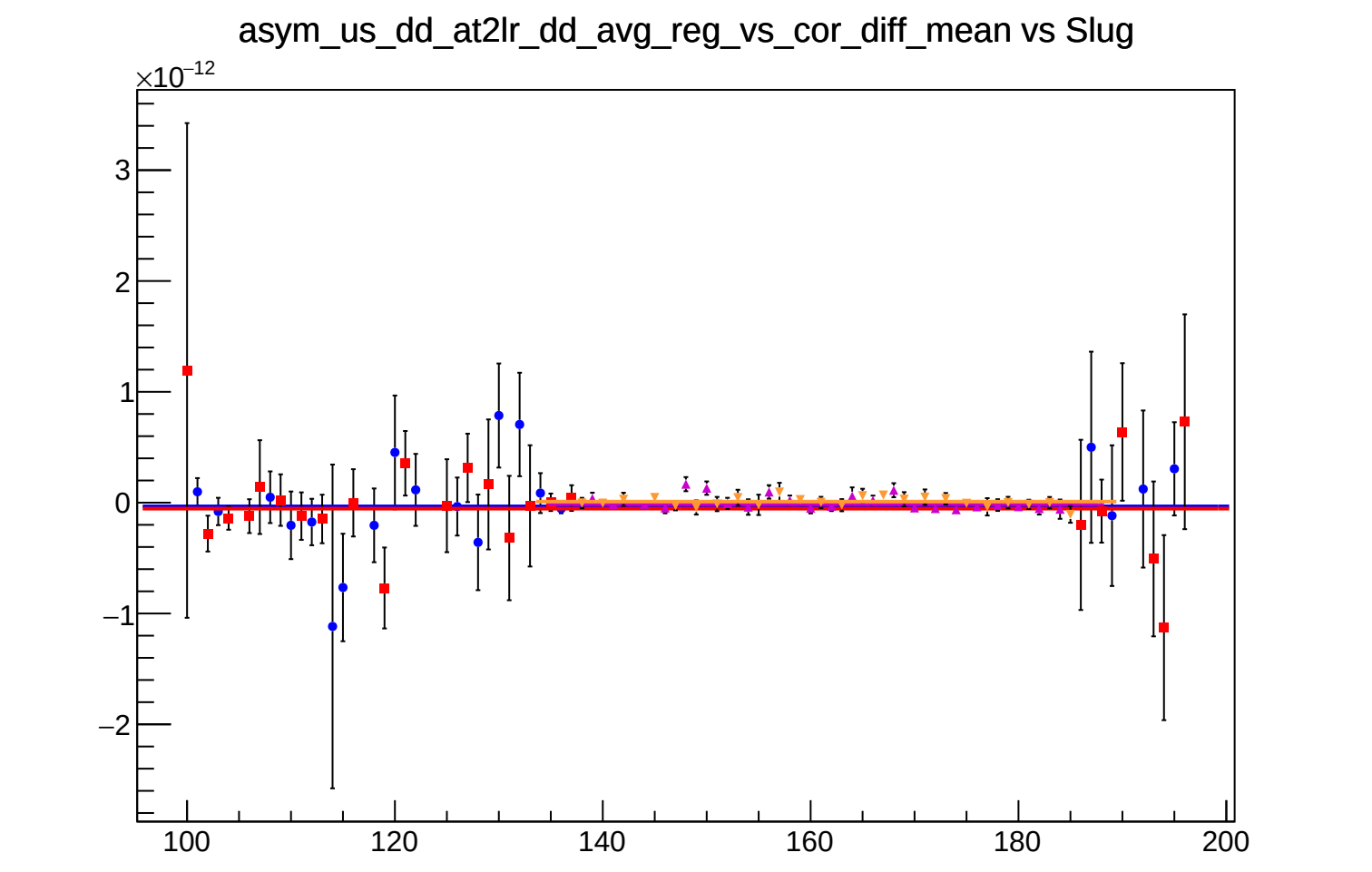
Right Out: 3564.603+/-0.775 χ^2/NDF: 1487606.4/23

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2716.264+/-0.368 χ^2/NDF: 2252852.1/43

All: 2731.559+/-0.260 χ^2/NDF: 5291862.9/90

- sign 2746.661+/-0.366 χ^2/NDF: 3035585.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

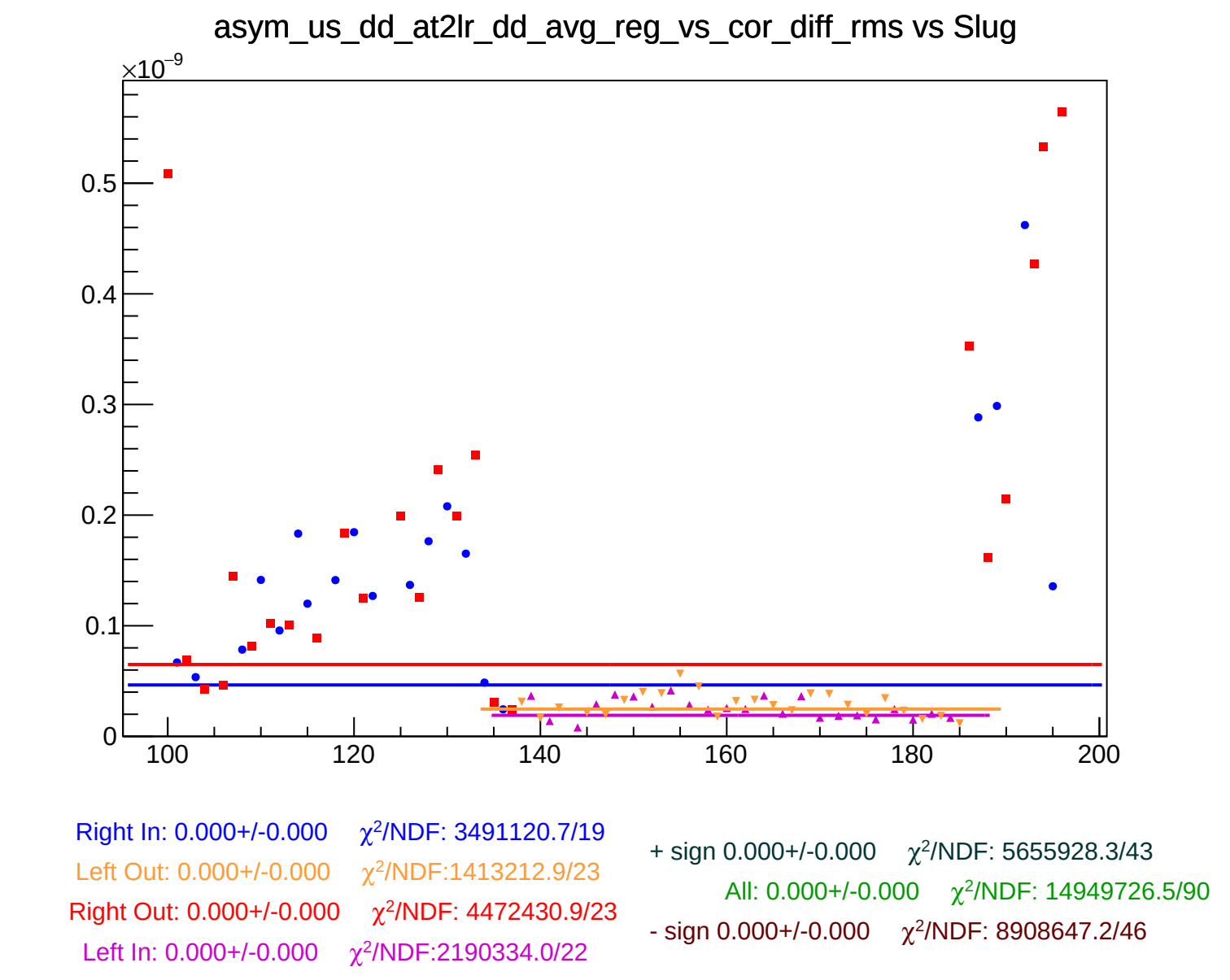
Right Out: -0.000+/-0.000 χ^2/NDF: 16.6/23

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

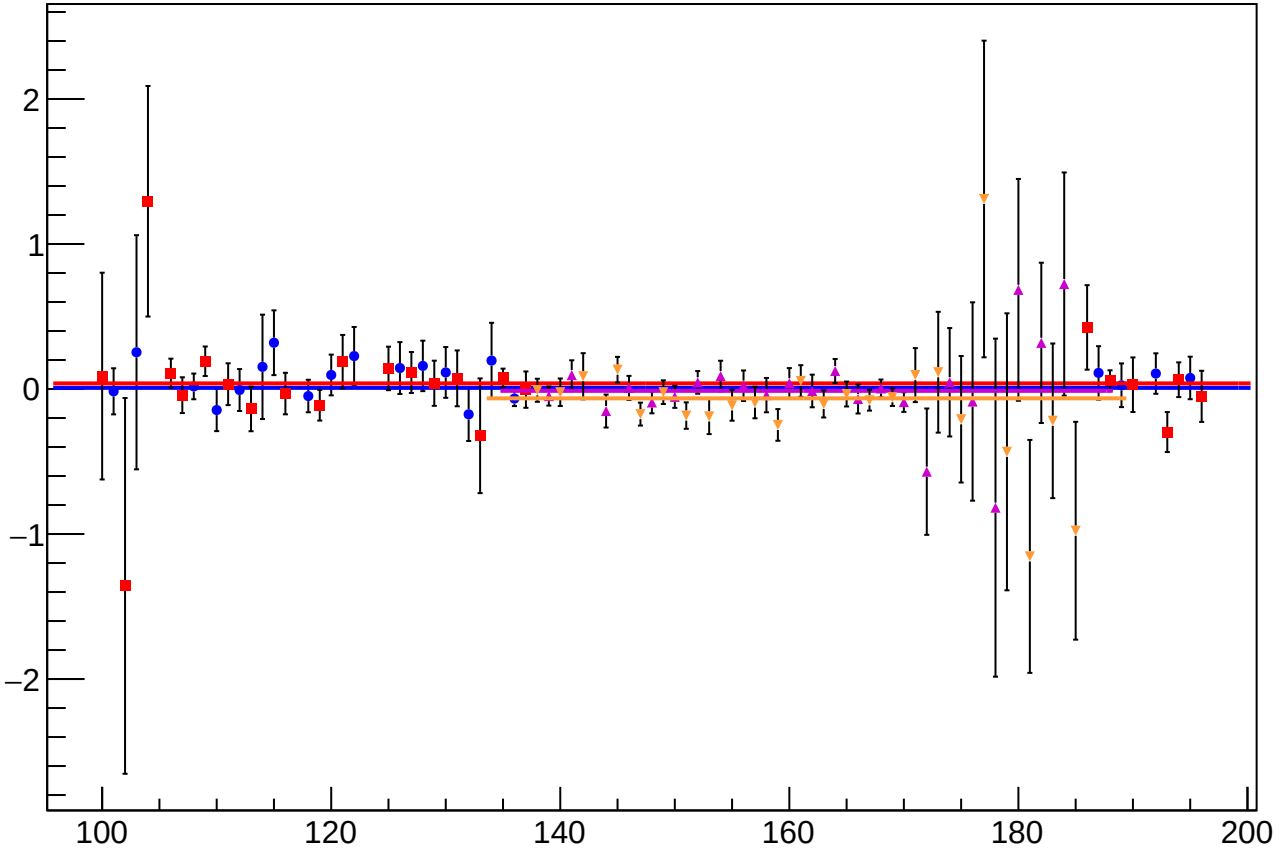
+ sign 0.000+/-0.000 χ^2/NDF: 27.9/43

All: -0.000+/-0.000 χ^2/NDF: 79.0/90

- sign -0.000+/-0.000 χ^2/NDF: 48.4/46


asym_us_dd_at2lr_dd_avg_reg_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: 3491120.7/19
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 4472430.9/23
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5655928.3/43
All: 0.000+/-0.000 χ²/NDF: 14949726.5/90
- sign 0.000+/-0.000 χ²/NDF: 8908647.2/46

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

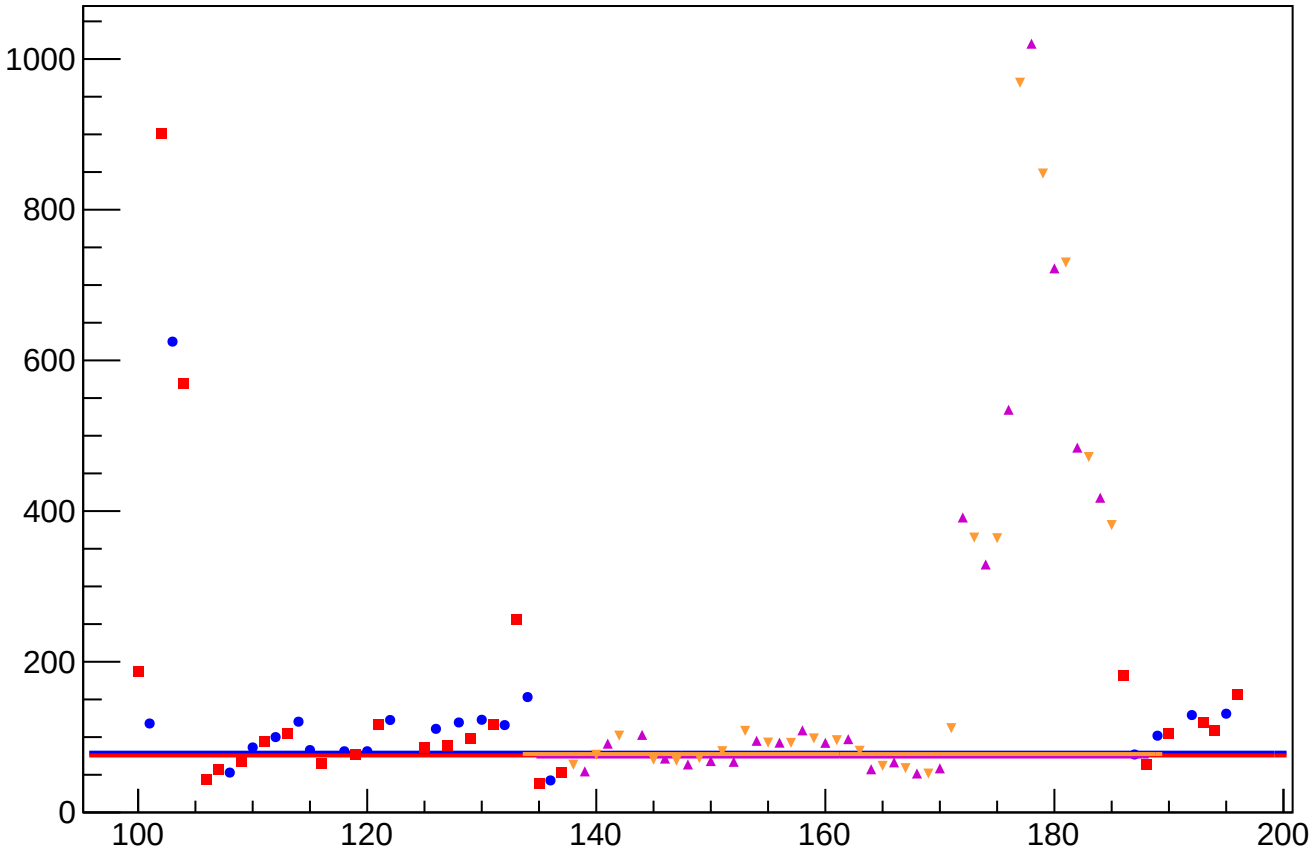
Right Out: 0.039+/-0.027 χ^2/NDF: 21.2/23

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.7/43

All: -0.014+/-0.012 χ^2/NDF: 79.7/90

- sign 0.007+/-0.017 χ^2/NDF: 38.5/46



Right In: 79.349+/-0.021 χ^2/NDF: 3476033.5/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 75.632+/-0.019 χ^2/NDF: 4568895.5/23

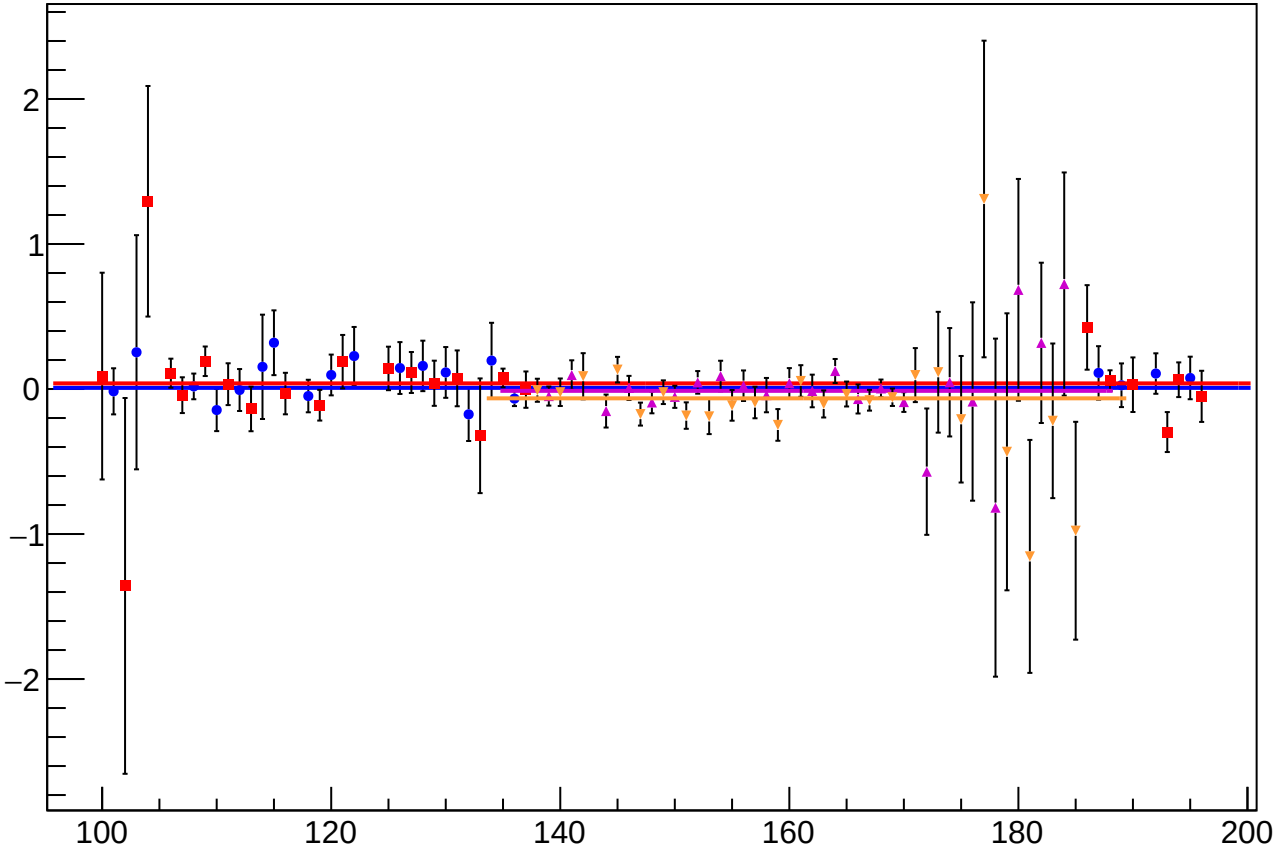
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.181+/-0.013 χ^2/NDF: 11812038.2/43

All: 76.356+/-0.009 χ^2/NDF: 24938173.6/90

- 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



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

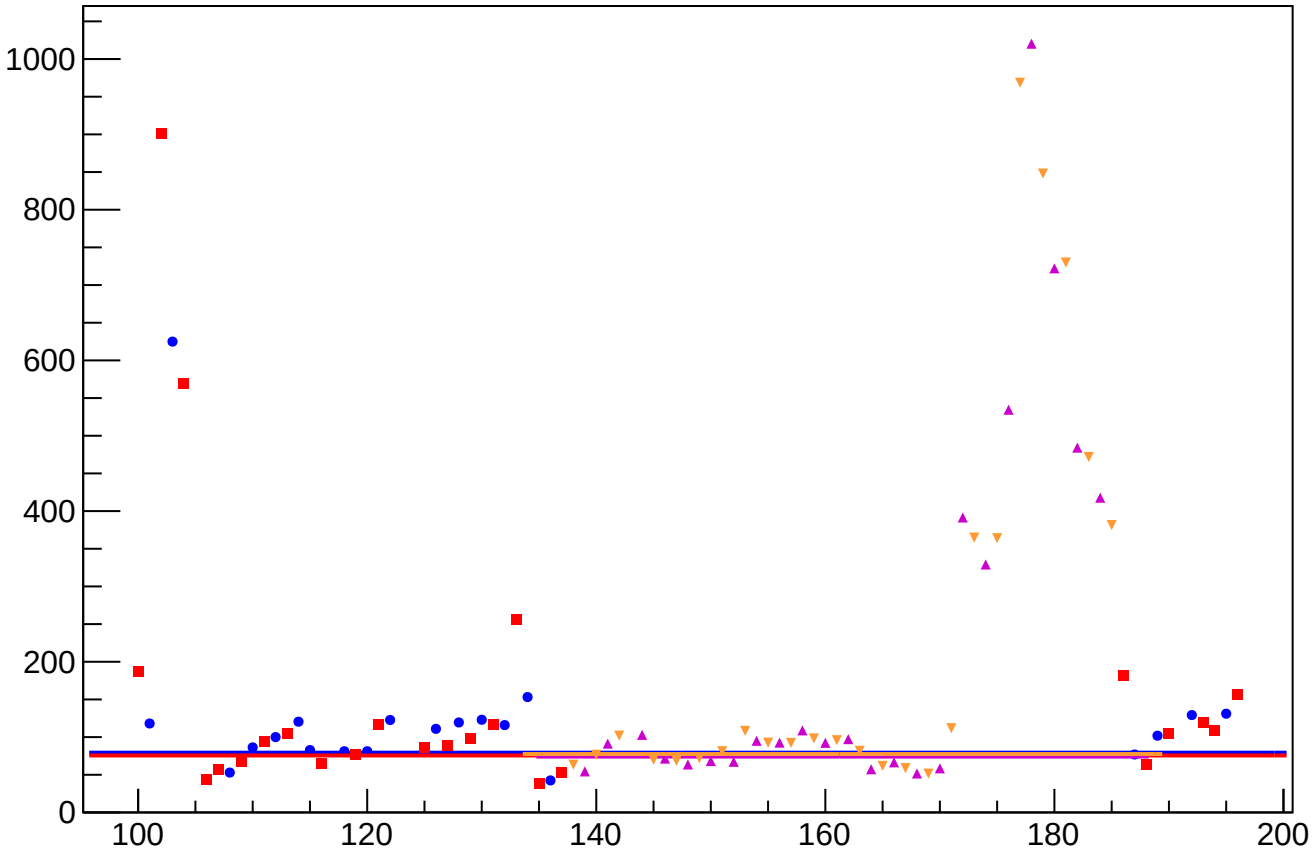
Right Out: 0.039+/-0.027 χ^2/NDF: 21.2/23

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.7/43

All: -0.014+/-0.012 χ^2/NDF: 79.7/90

- sign 0.007+/-0.017 χ^2/NDF: 38.5/46



Right In: 79.349+/-0.021 χ^2/NDF: 3476033.5/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

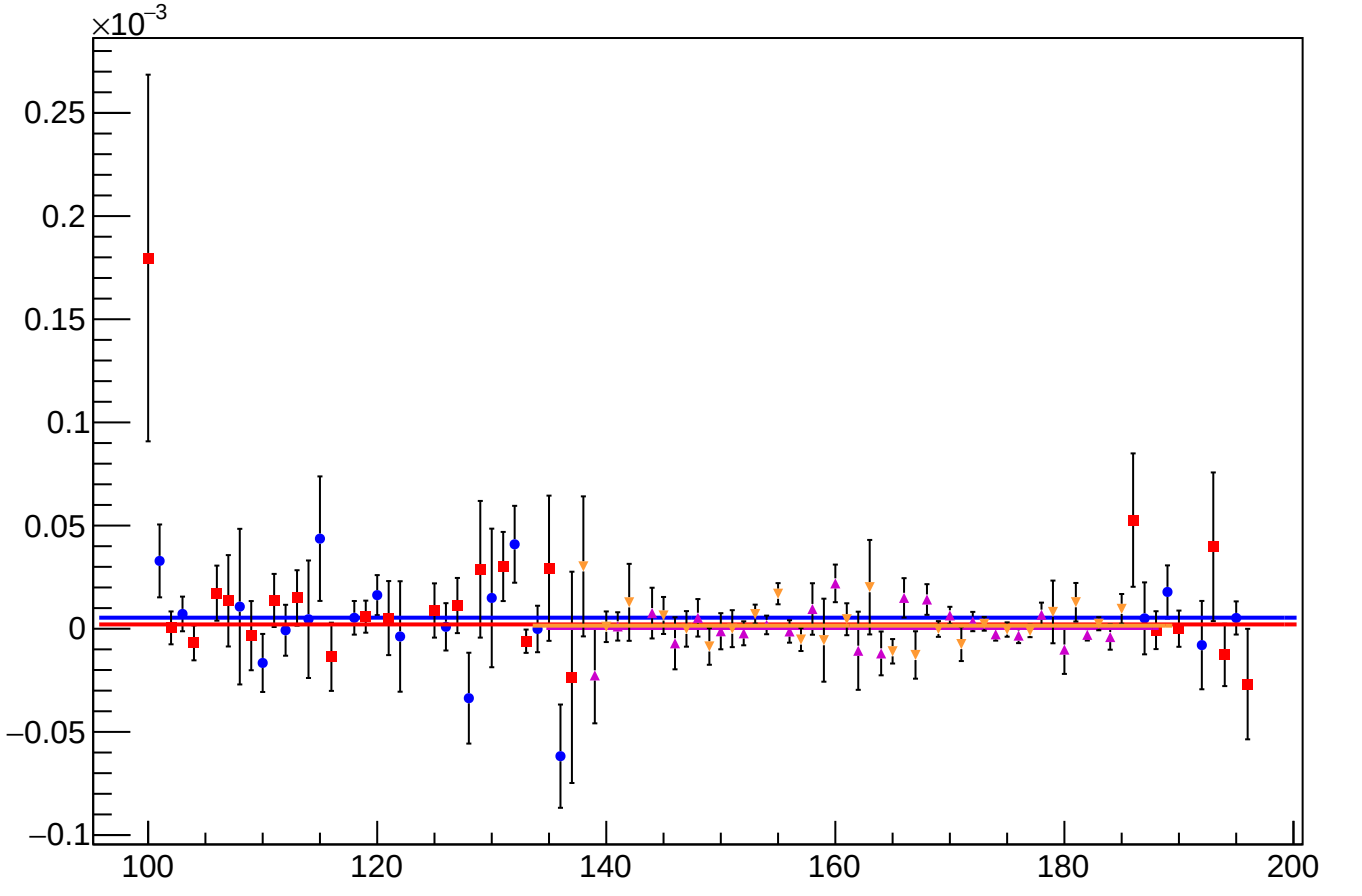
Right Out: 75.632+/-0.019 χ^2/NDF: 4568895.5/23

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 78.181+/-0.013 χ^2/NDF: 11812038.2/43

All: 76.356+/-0.009 χ^2/NDF: 24938173.6/90

\- sign 74.758+/-0.012 χ^2/NDF: 13086412.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

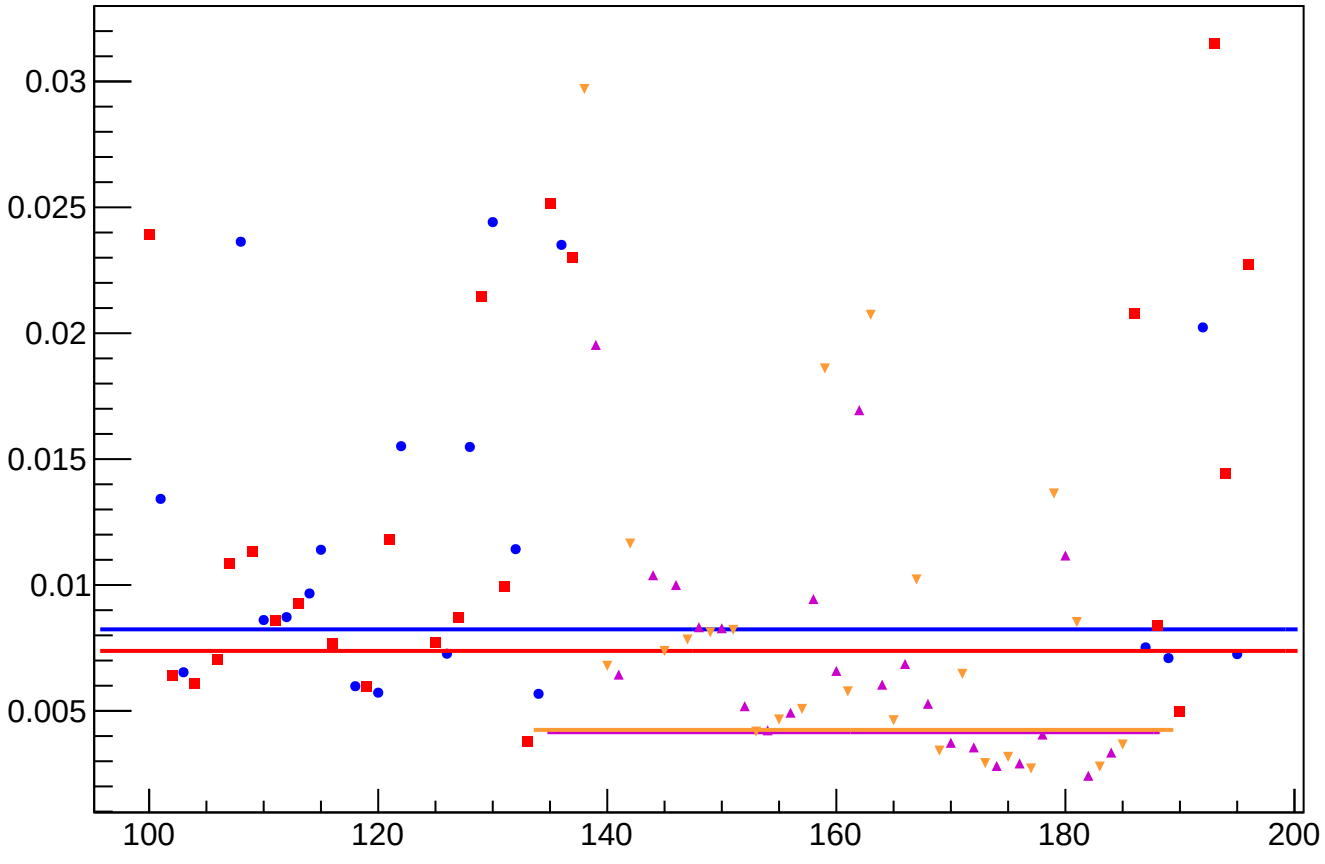
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/23

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/43

All: 0.000+/-0.000 χ^2/NDF: 100.8/90

- sign 0.000+/-0.000 χ^2/NDF: 47.6/46



Right In: 0.008+/-0.000 χ^2/NDF: 3332983.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 5003751.1/23

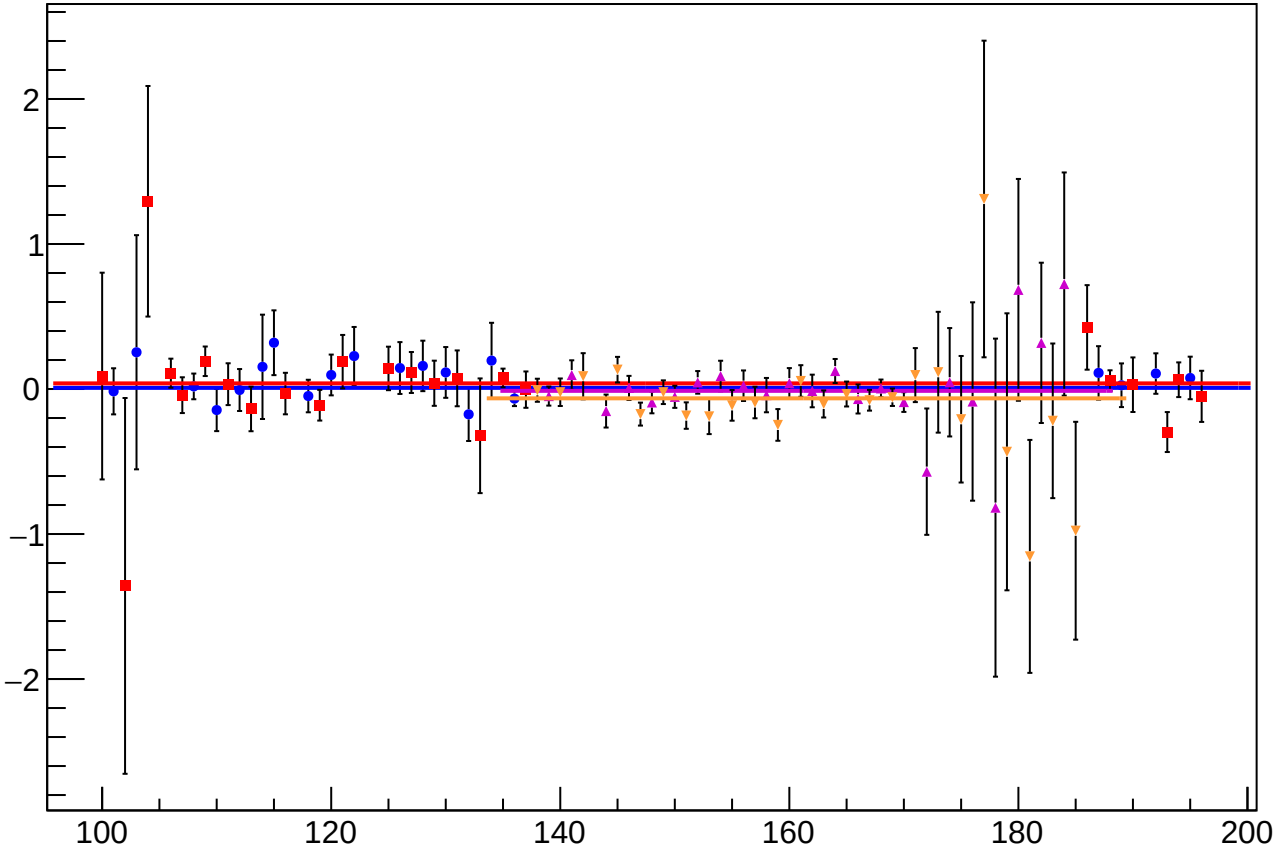
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 15018122.0/43

All: 0.005+/-0.000 χ^2/NDF: 29587709.1/90

- 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



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

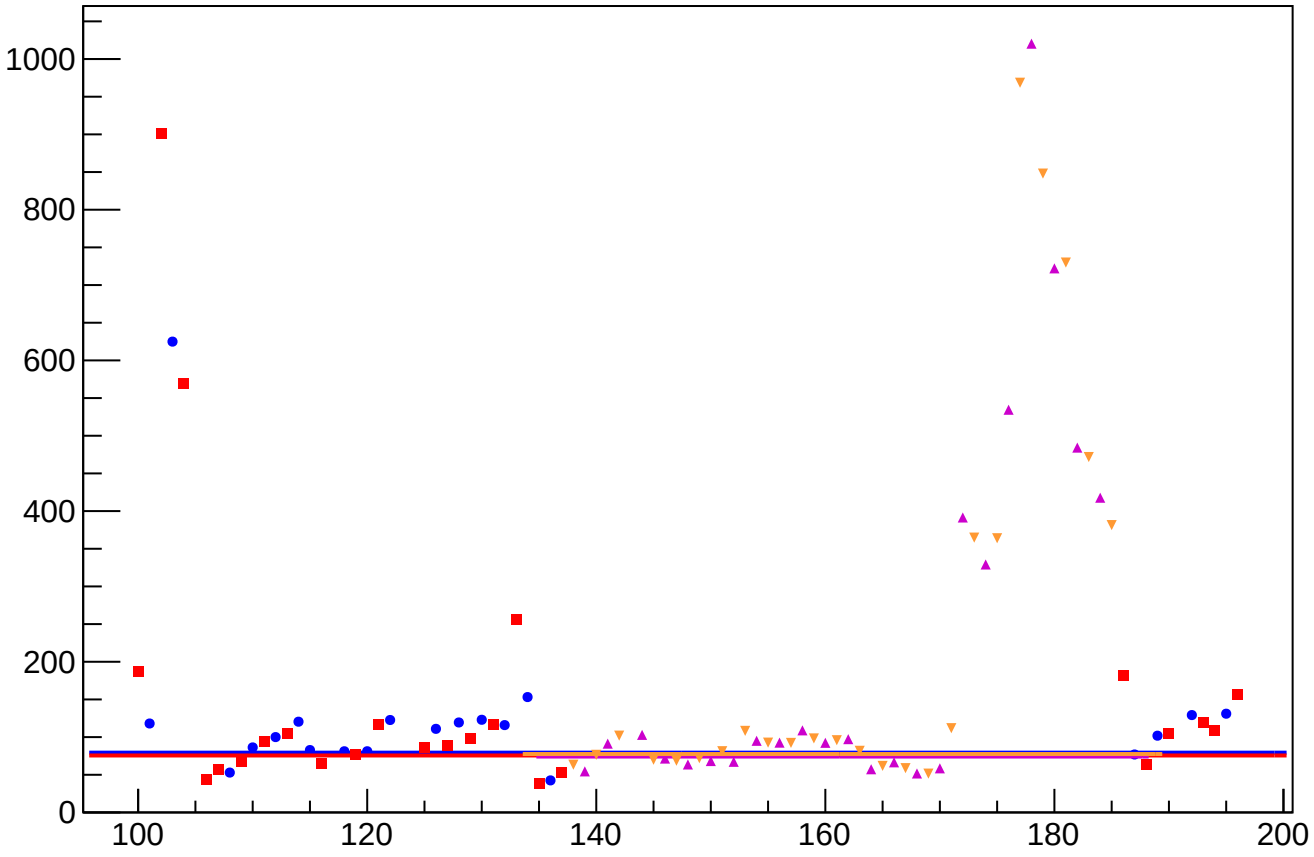
Right Out: 0.039+/-0.027 χ^2/NDF: 21.2/23

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.7/43

All: -0.014+/-0.012 χ^2/NDF: 79.7/90

- sign 0.007+/-0.017 χ^2/NDF: 38.5/46



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

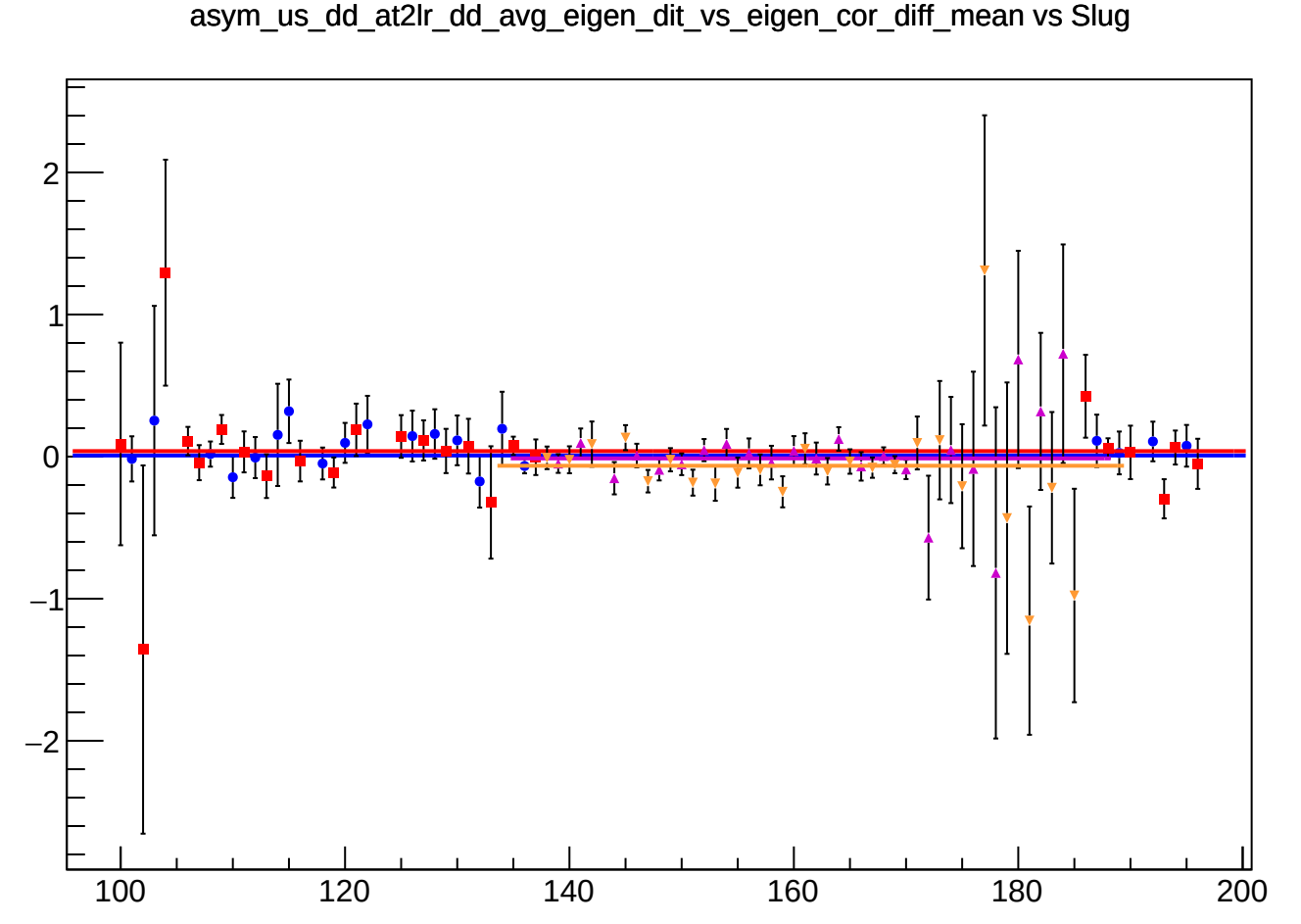
Right Out: 75.623+/-0.019 χ^2/NDF: 4570126.7/23

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 78.189+/-0.013 χ^2/NDF: 11809097.3/43

All: 76.359+/-0.009 χ^2/NDF: 24936367.8/90

\- sign 74.755+/-0.012 χ^2/NDF: 13087307.6/46



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

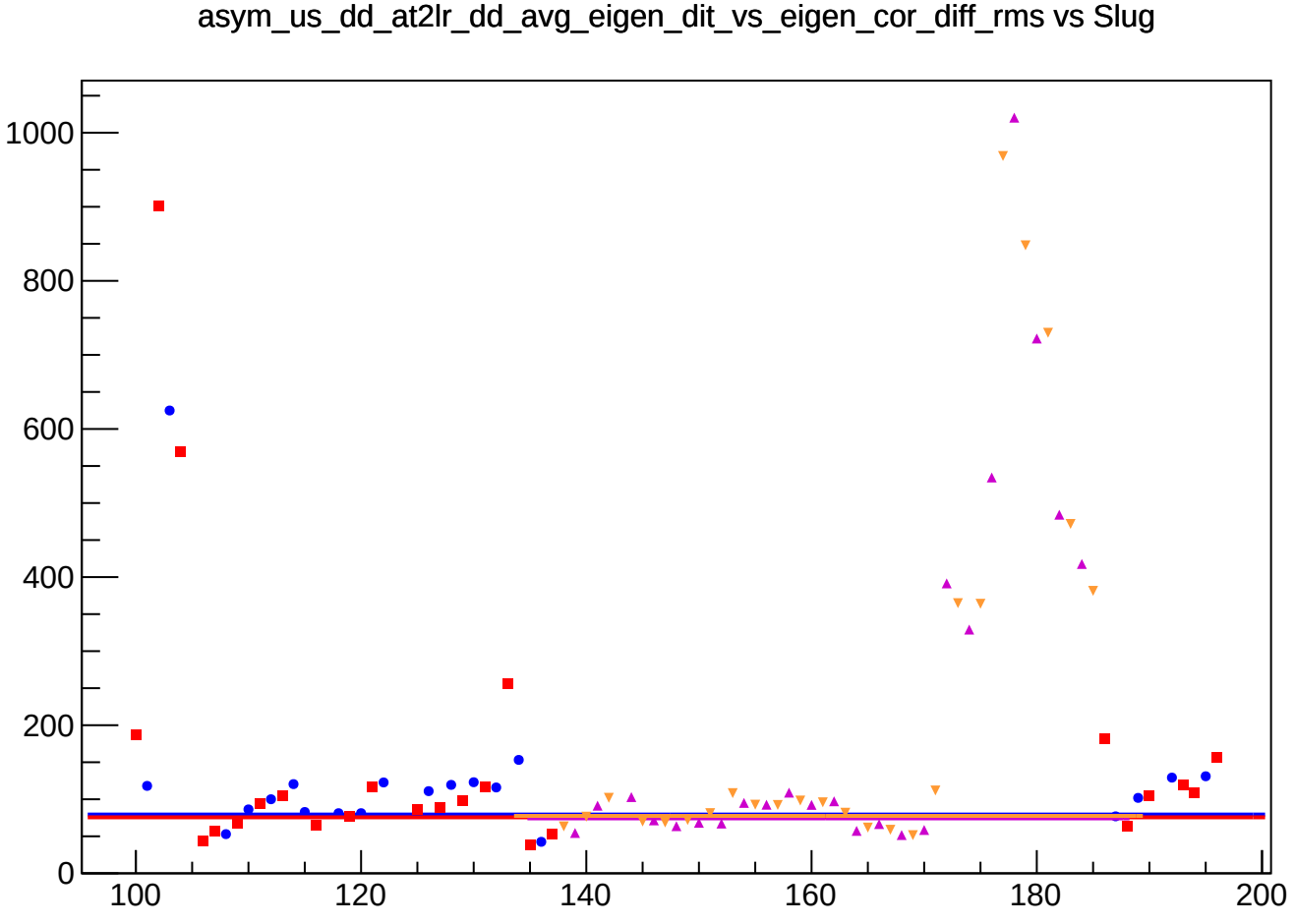
Right Out: 0.039+/-0.027 χ^2/NDF: 21.2/23

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.7/43

All: -0.014+/-0.012 χ^2/NDF: 79.7/90

- sign 0.007+/-0.017 χ^2/NDF: 38.5/46



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

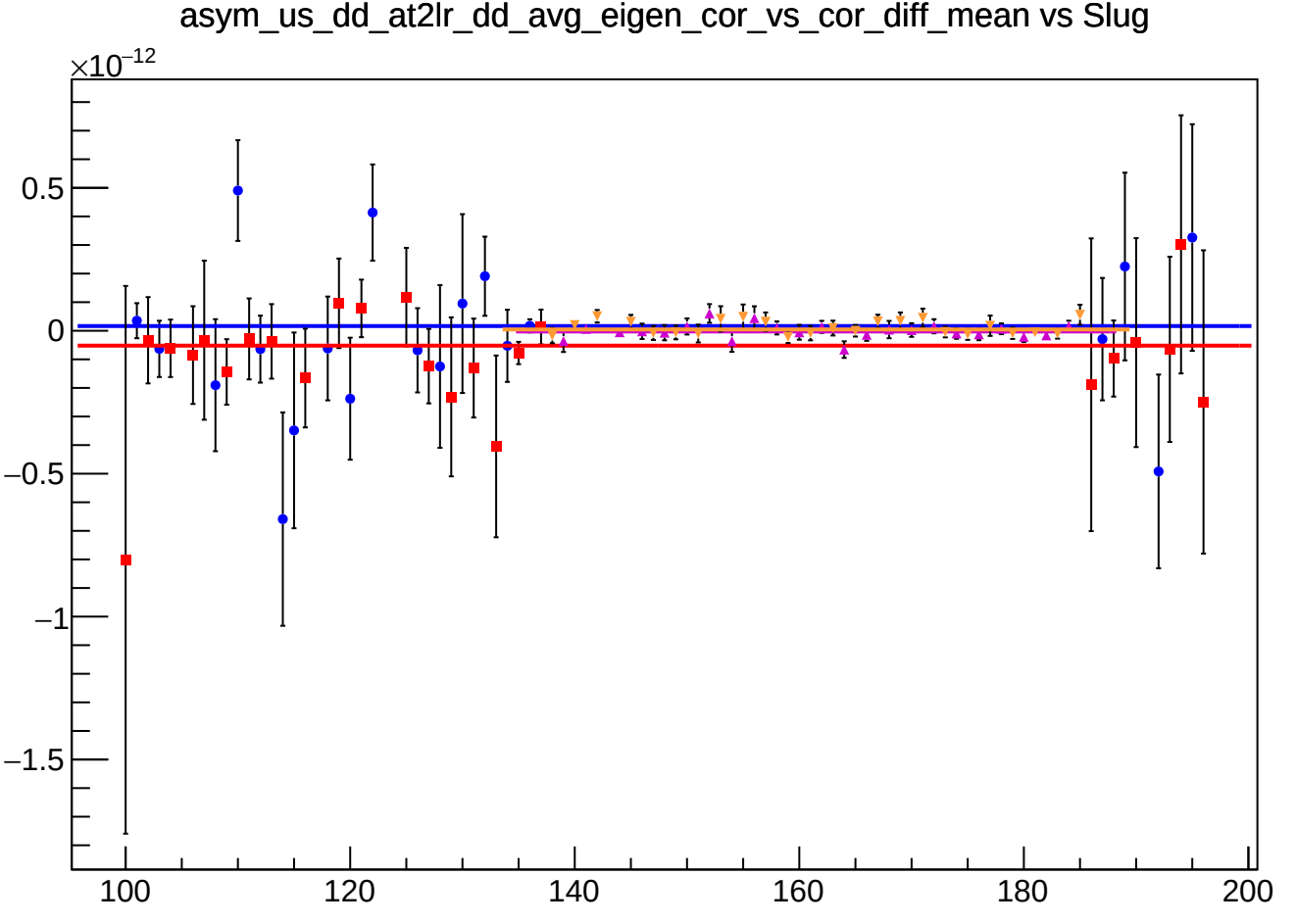
Right Out: 75.623+/-0.019 χ^2/NDF: 4570126.7/23

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 78.189+/-0.013 χ^2/NDF: 11809097.3/43

All: 76.359+/-0.009 χ^2/NDF: 24936367.8/90

\- sign 74.755+/-0.012 χ^2/NDF: 13087307.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

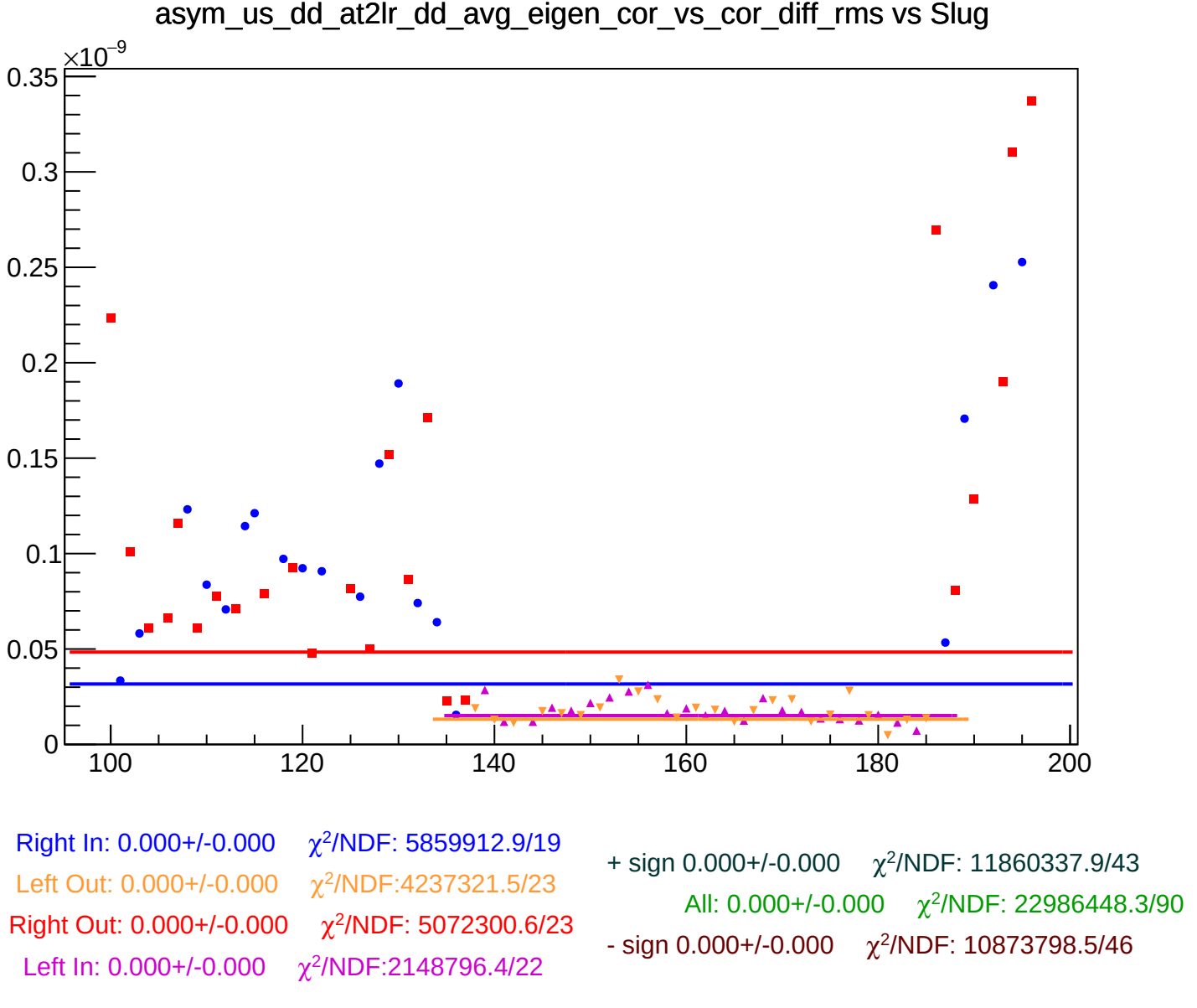
Right Out: -0.000+/-0.000 χ^2/NDF: 10.0/23

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

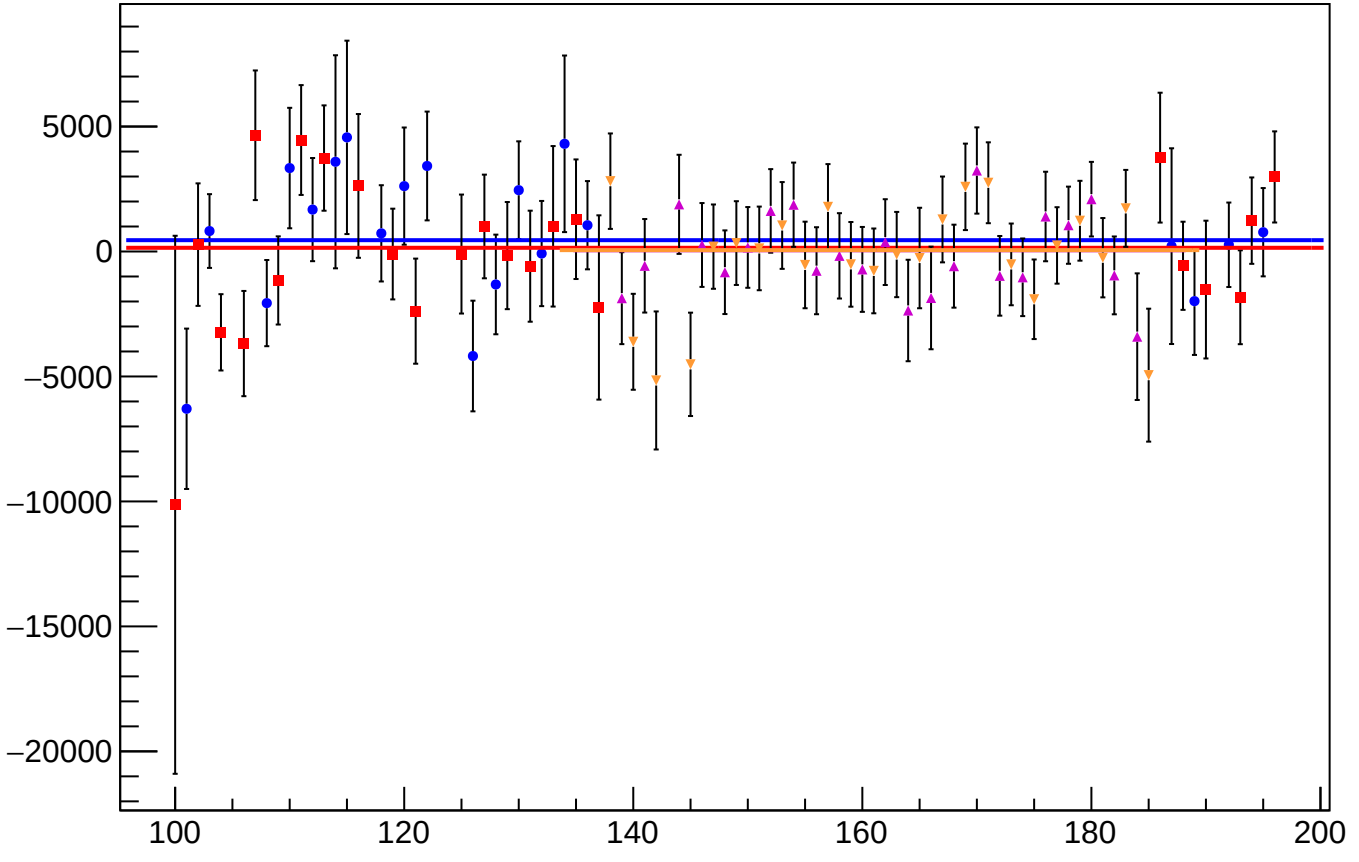
+ sign 0.000+/-0.000 χ^2/NDF: 48.7/43

All: 0.000+/-0.000 χ^2/NDF: 82.5/90

- 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
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: 5859912.9/19
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: 11860337.9/43
All: 0.000+/-0.000 χ²/NDF: 22986448.3/90
- sign 0.000+/-0.000 χ²/NDF: 10873798.5/46

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 453.175+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 148.387+/-443.772 χ^2/NDF: 29.1/23

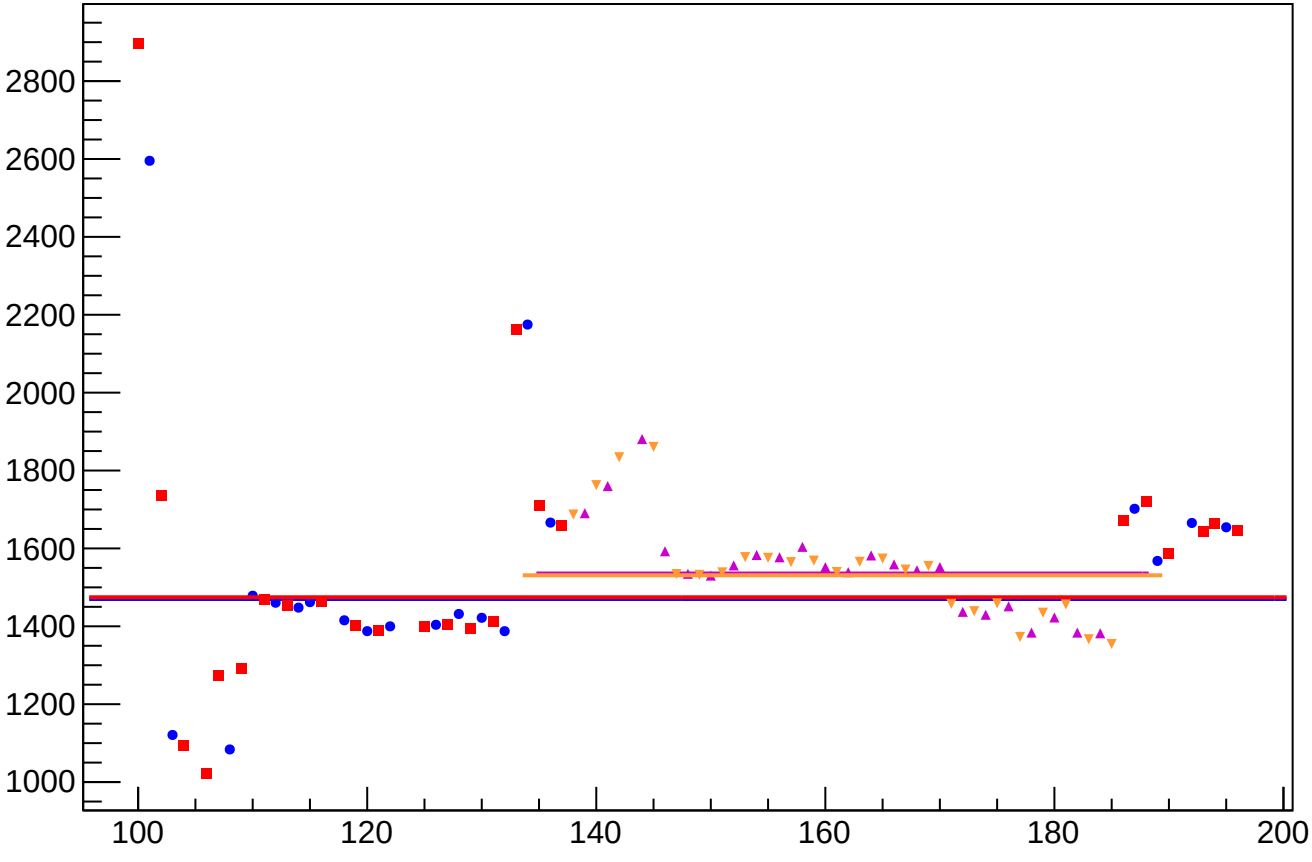
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 197.182+/-285.666 χ^2/NDF: 50.6/43

All: 141.314+/-199.728 χ^2/NDF: 96.6/90

- sign 87.887+/-279.355 χ^2/NDF: 45.9/46

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.7/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

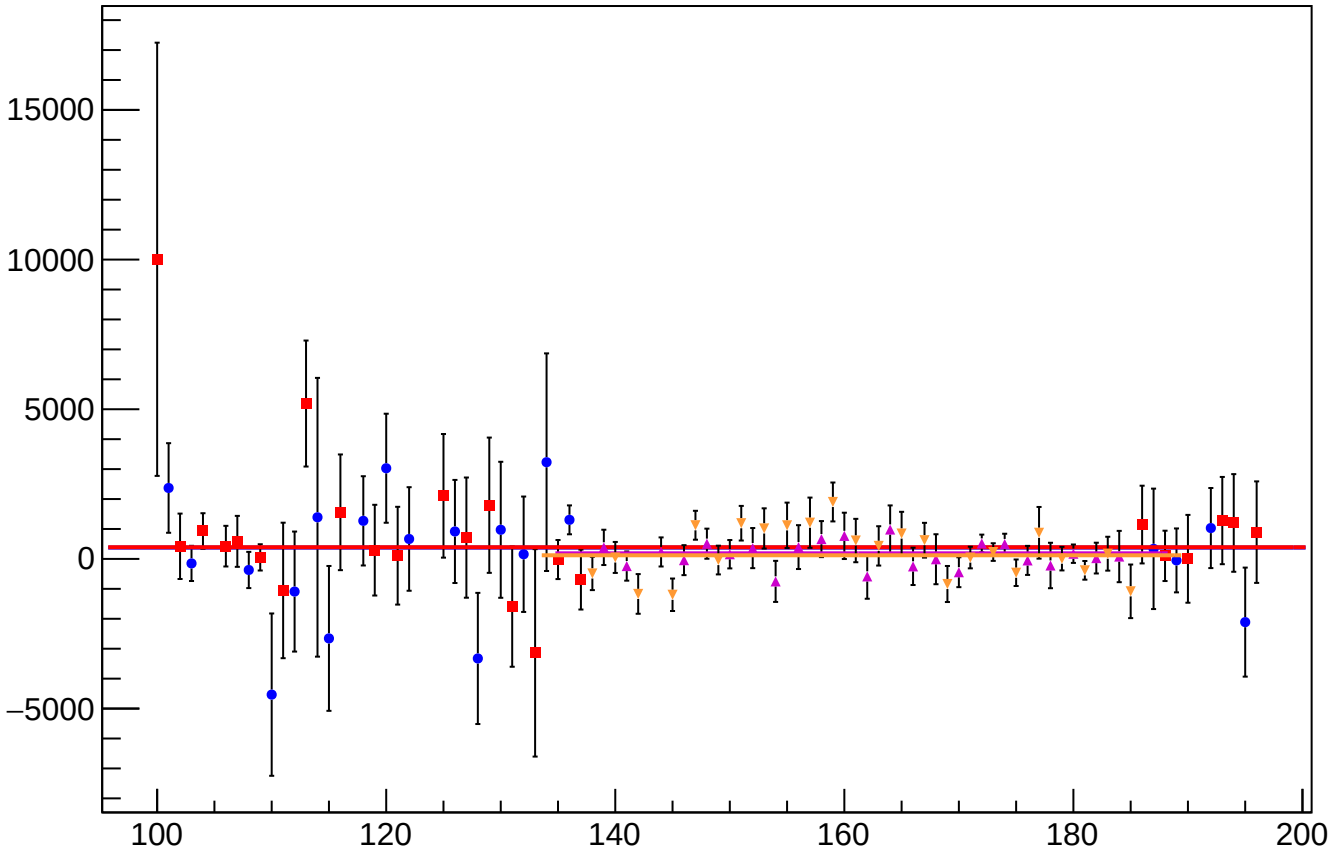
Right Out: 1474.580+/-0.314 χ^2/NDF: 551395.3/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859692.9/43

All: 1510.345+/-0.141 χ^2/NDF: 1626370.8/90

- sign 1511.390+/-0.198 χ^2/NDF: 766620.8/46



Right In: 377.835+/-257.174 χ^2/NDF: 21.7/19

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 390.151+/-213.346 χ^2/NDF: 15.2/23

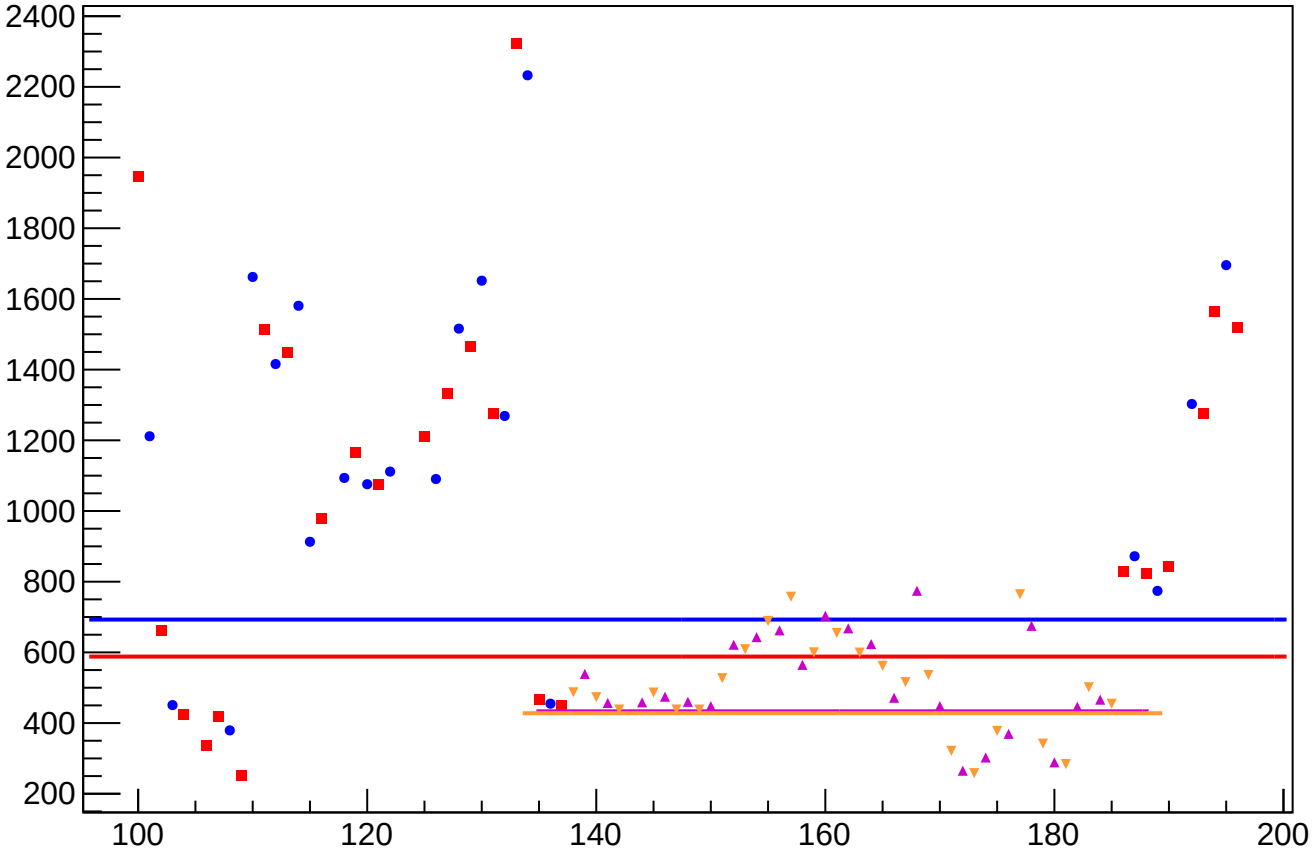
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 158.012+/-97.257 χ^2/NDF: 66.2/43

All: 193.433+/-68.188 χ^2/NDF: 93.9/90

- sign 227.677+/-95.627 χ^2/NDF: 27.5/46

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 692.874+/-0.182 χ^2/NDF: 4889336.7/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 588.163+/-0.151 χ^2/NDF: 6641069.5/23

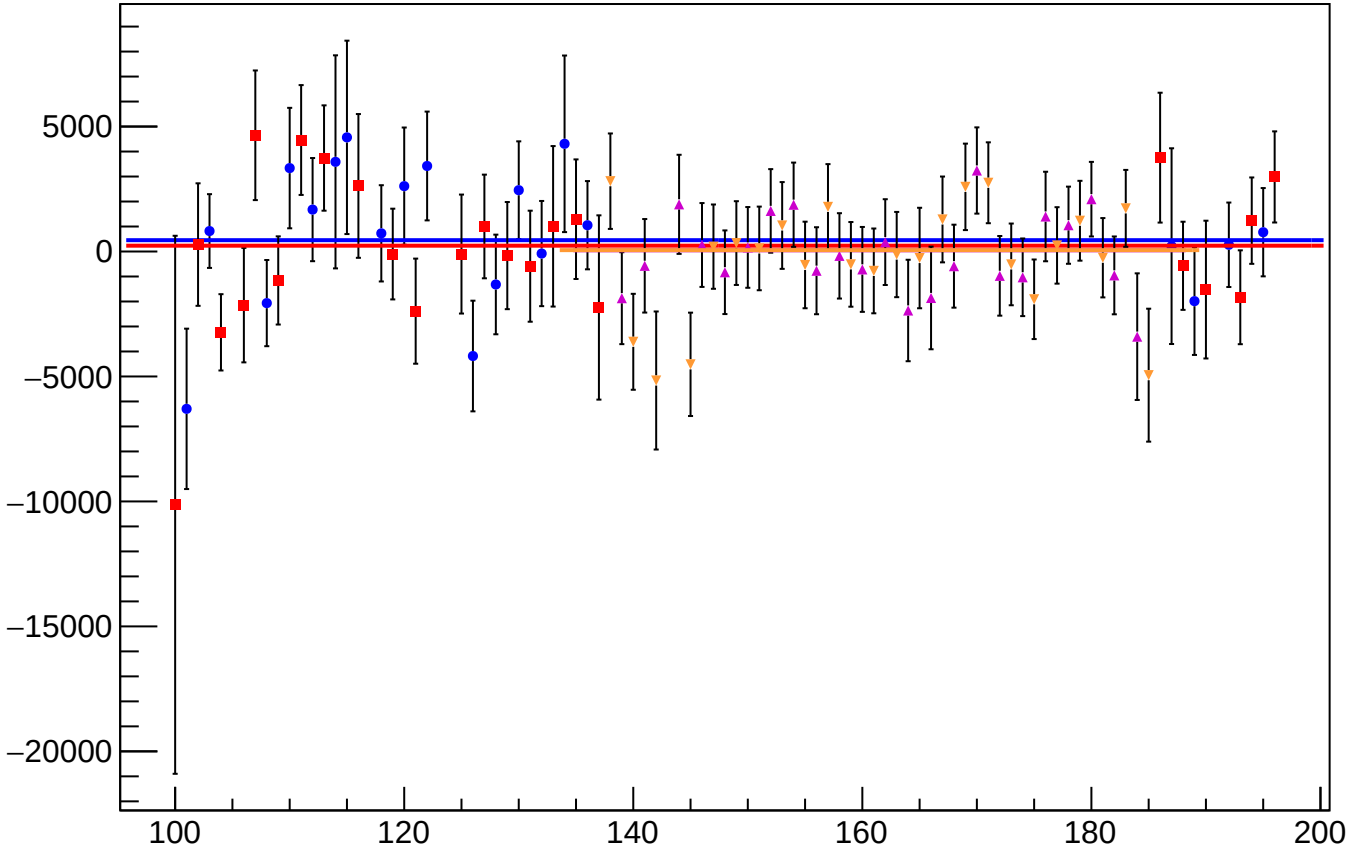
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 465.722+/-0.069 χ^2/NDF: 9898170.9/43

All: 465.050+/-0.048 χ^2/NDF: 20629683.8/90

- sign 464.400+/-0.068 χ^2/NDF: 10731324.8/46

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 453.123+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 233.244+/-445.305 χ^2/NDF: 26.7/23

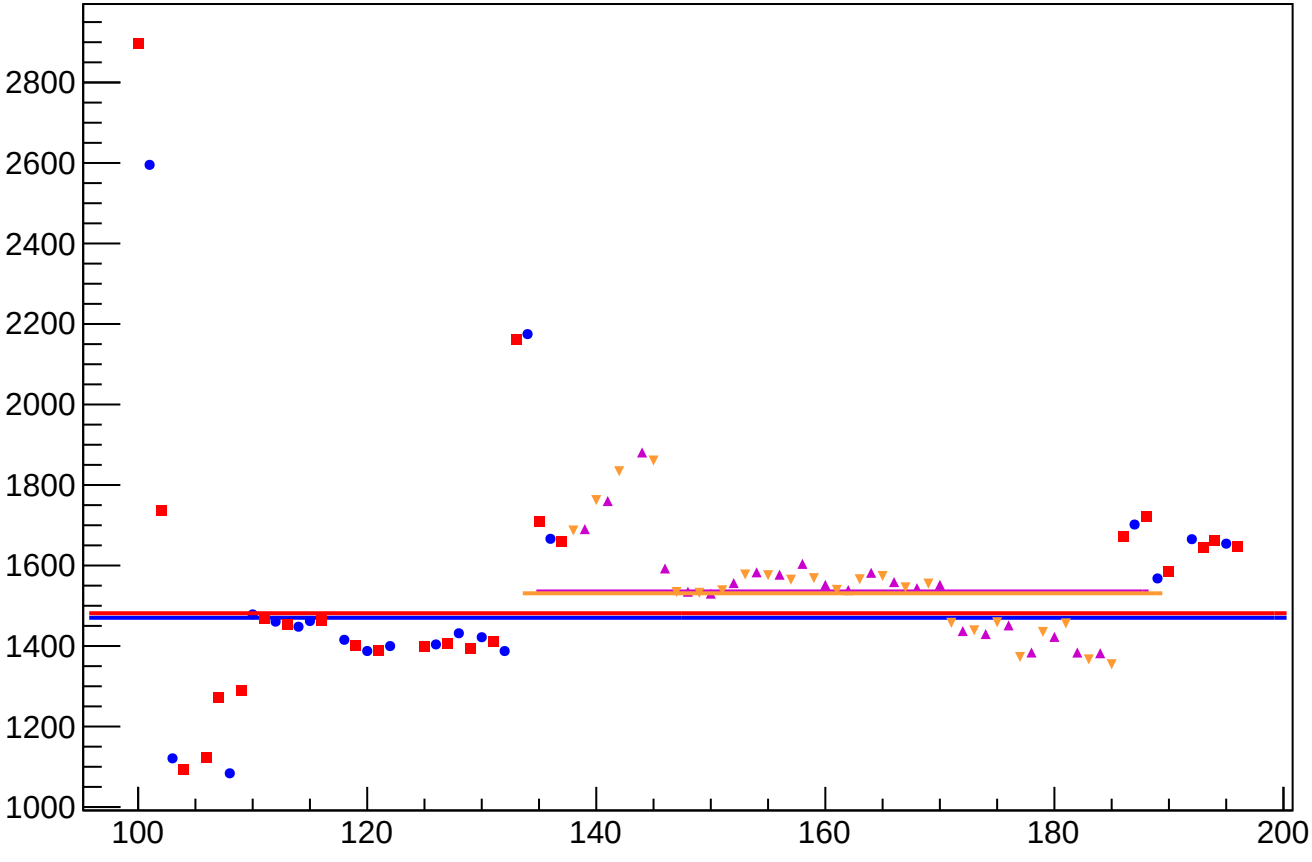
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 197.140+/-285.666 χ^2/NDF: 50.6/43

All: 158.402+/-199.867 χ^2/NDF: 94.3/90

\- sign 121.257+/-279.736 χ^2/NDF: 43.6/46

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.9/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

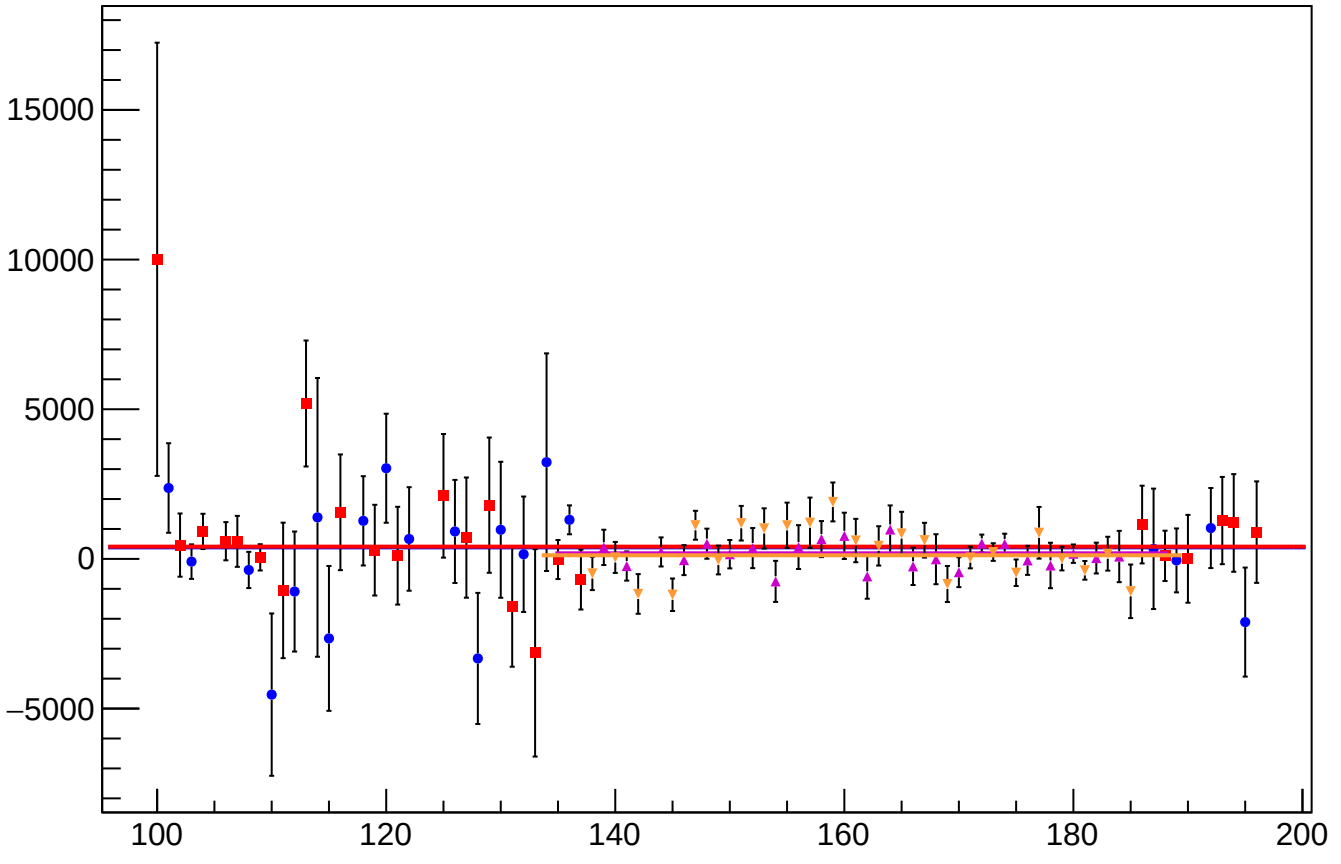
Right Out: 1481.457+/-0.315 χ^2/NDF: 506239.7/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859693.2/43

All: 1511.781+/-0.141 χ^2/NDF: 1576538.7/90

- sign 1514.204+/-0.198 χ^2/NDF: 716538.8/46



Right In: 385.768+/-256.218 χ^2/NDF: 21.5/19

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 409.473+/-211.523 χ^2/NDF: 15.2/23

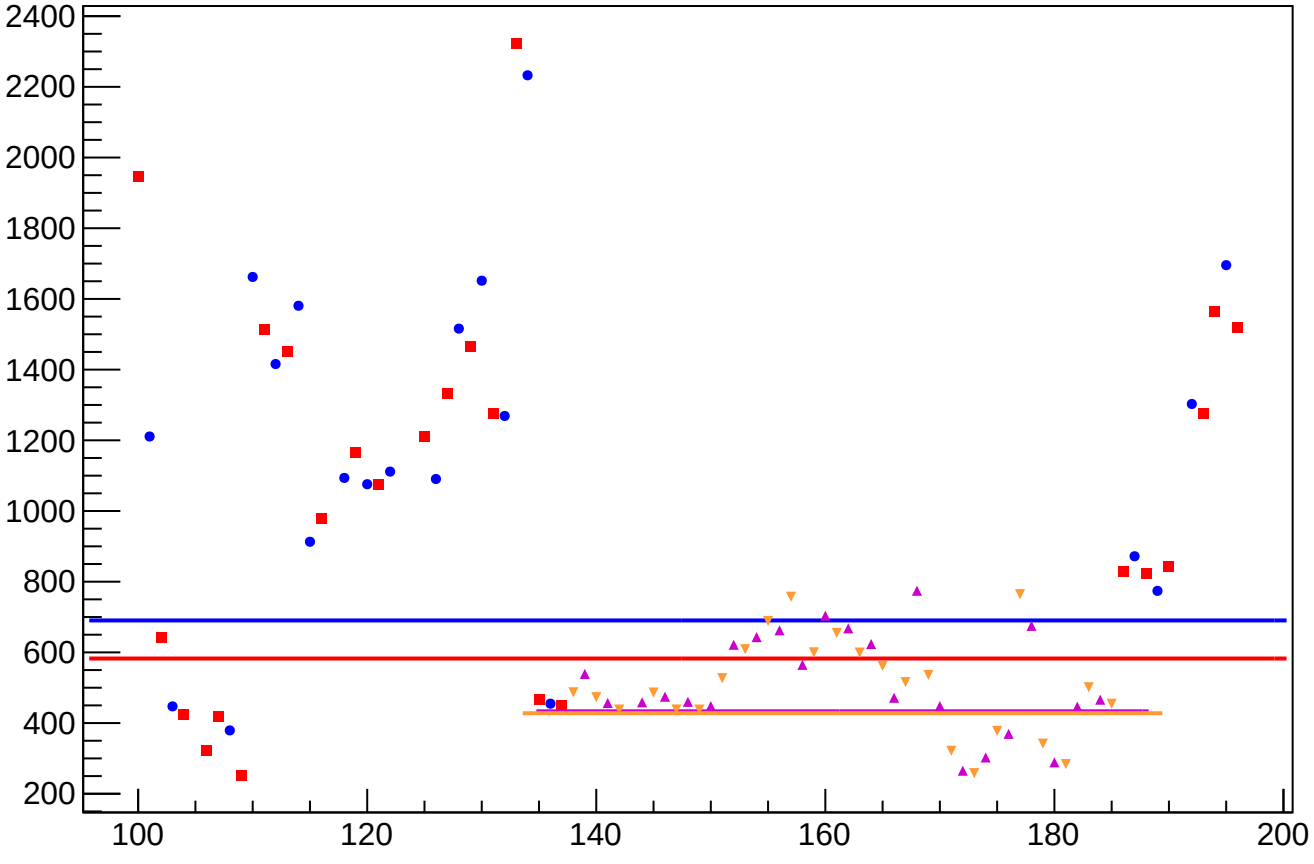
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 159.388+/-97.206 χ^2/NDF: 66.1/43

All: 196.525+/-68.110 χ^2/NDF: 94.1/90

- sign 232.342+/-95.462 χ^2/NDF: 27.7/46

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 690.373+/-0.181 χ^2/NDF: 4912478.0/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

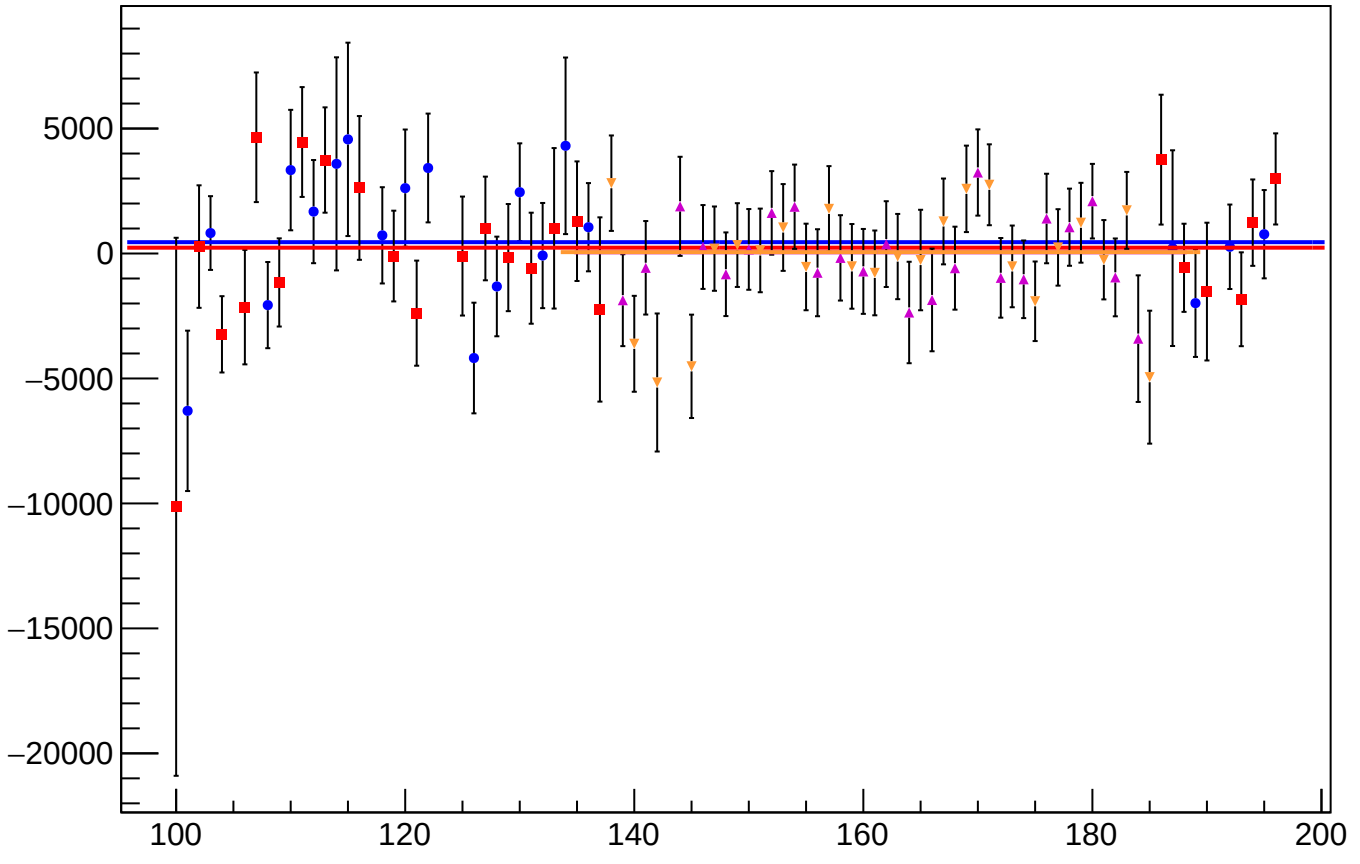
Right Out: 582.611+/-0.150 χ^2/NDF: 6706711.2/23

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 465.605+/-0.069 χ^2/NDF: 9898800.7/43

All: 464.635+/-0.048 χ^2/NDF: 20647511.0/90

- sign 463.699+/-0.068 χ^2/NDF: 10748318.9/46



Right In: 453.123+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 233.244+/-445.305 χ^2/NDF: 26.7/23

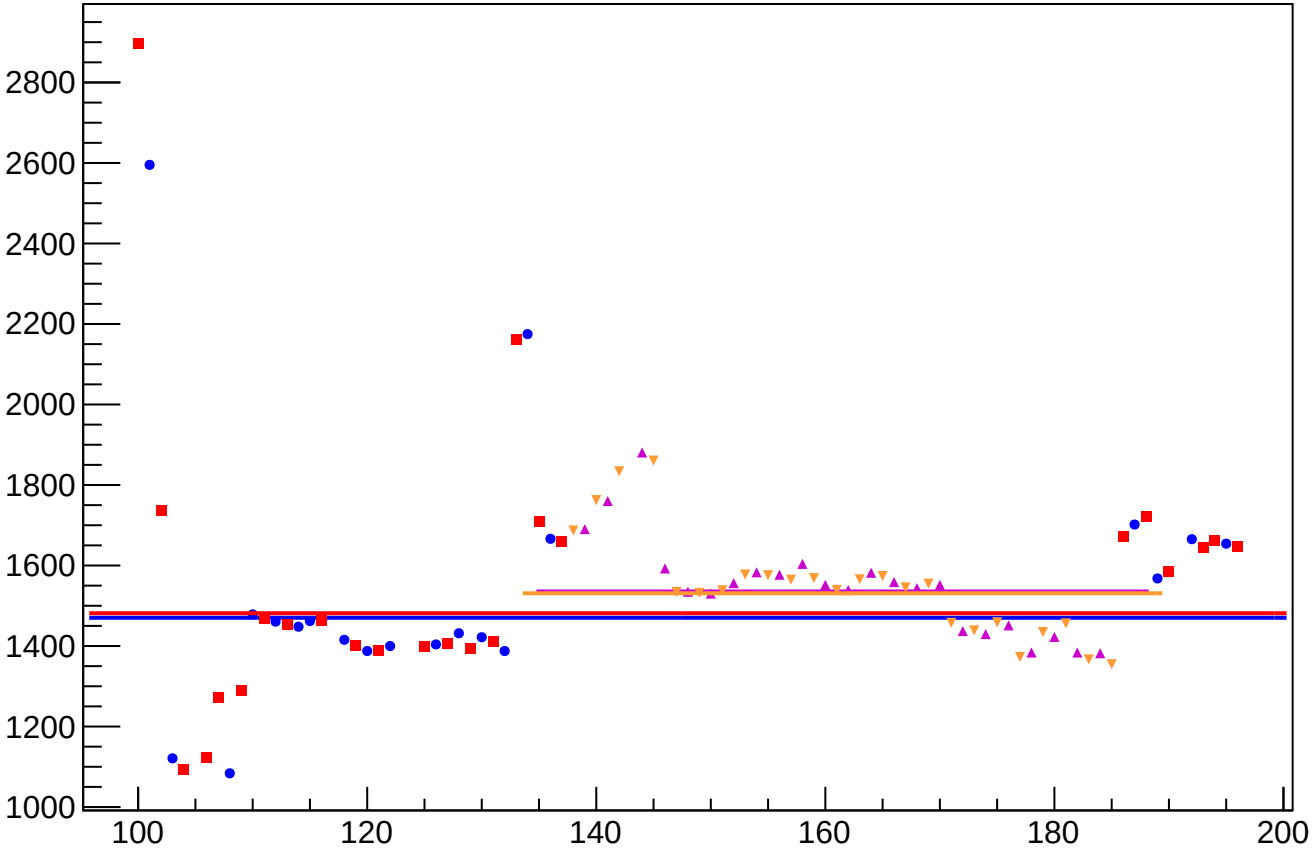
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 197.140+/-285.666 χ^2/NDF: 50.6/43

All: 158.402+/-199.867 χ^2/NDF: 94.3/90

- sign 121.257+/-279.736 χ^2/NDF: 43.6/46

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.9/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

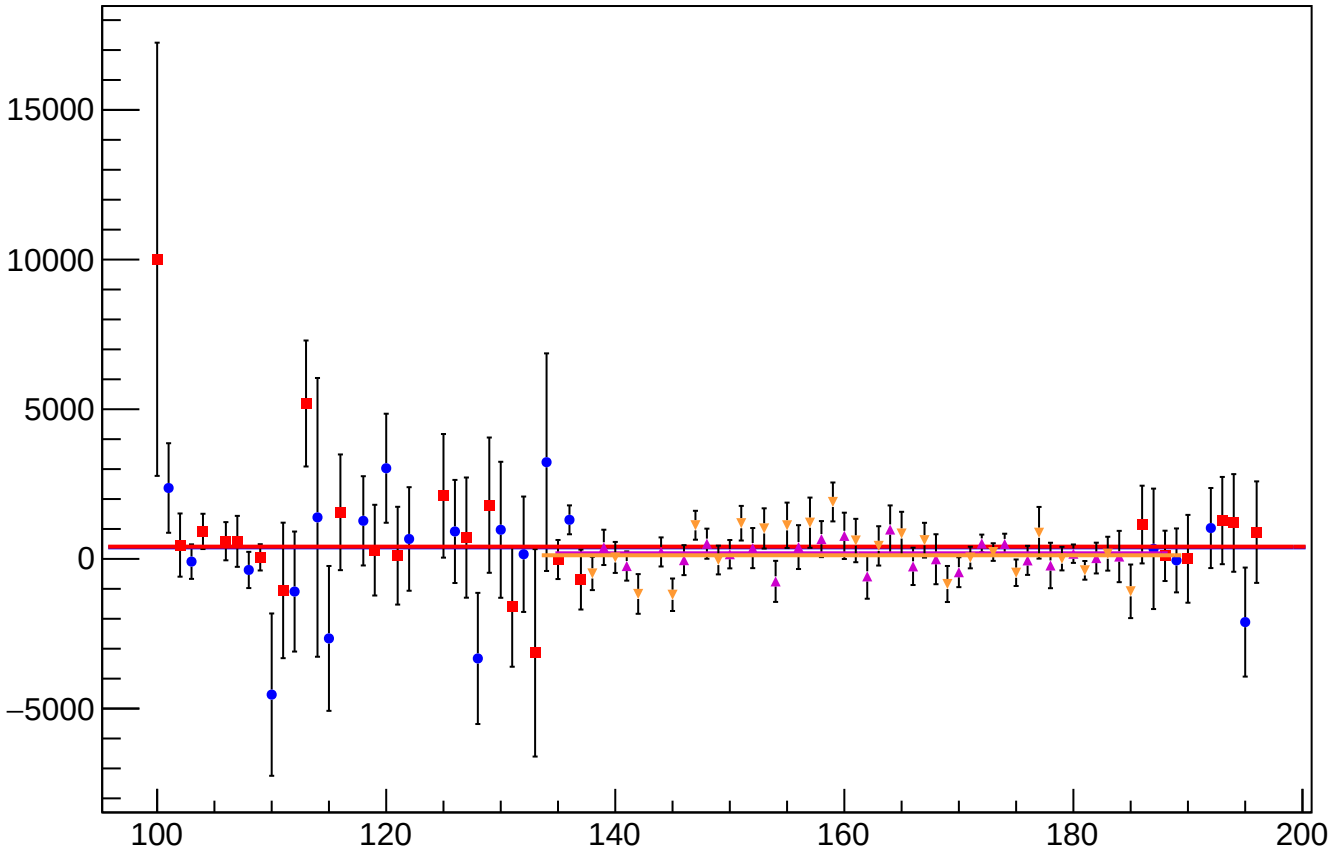
Right Out: 1481.457+/-0.315 χ^2/NDF: 506239.7/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859693.2/43

All: 1511.781+/-0.141 χ^2/NDF: 1576538.7/90

- sign 1514.204+/-0.198 χ^2/NDF: 716538.8/46



Right In: 385.768+/-256.218 χ^2/NDF: 21.5/19

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

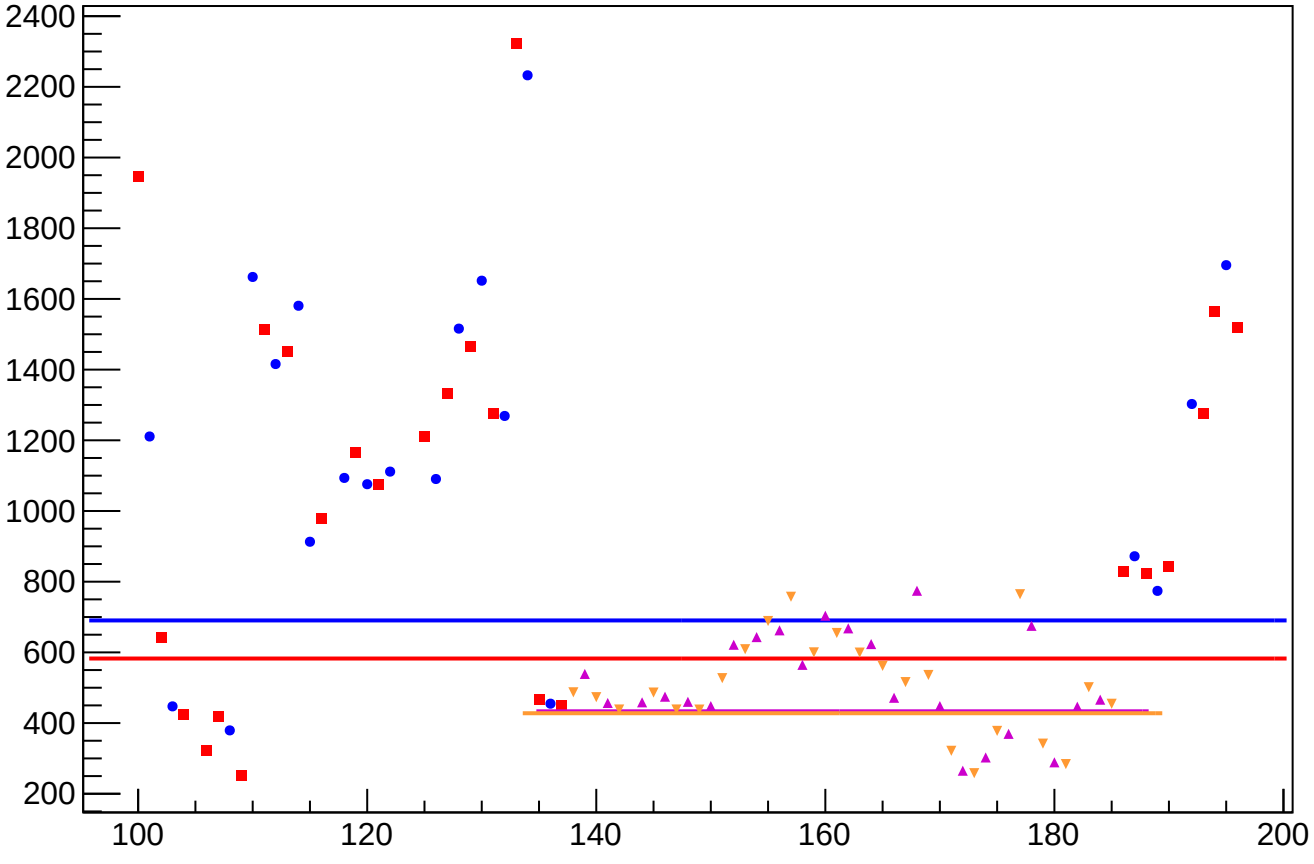
Right Out: 409.473+/-211.523 χ^2/NDF: 15.2/23

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 159.388+/-97.206 χ^2/NDF: 66.1/43

All: 196.525+/-68.110 χ^2/NDF: 94.1/90

- sign 232.342+/-95.462 χ^2/NDF: 27.7/46



Right In: 690.373+/-0.181 χ^2/NDF: 4912478.0/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 582.611+/-0.150 χ^2/NDF: 6706711.2/23

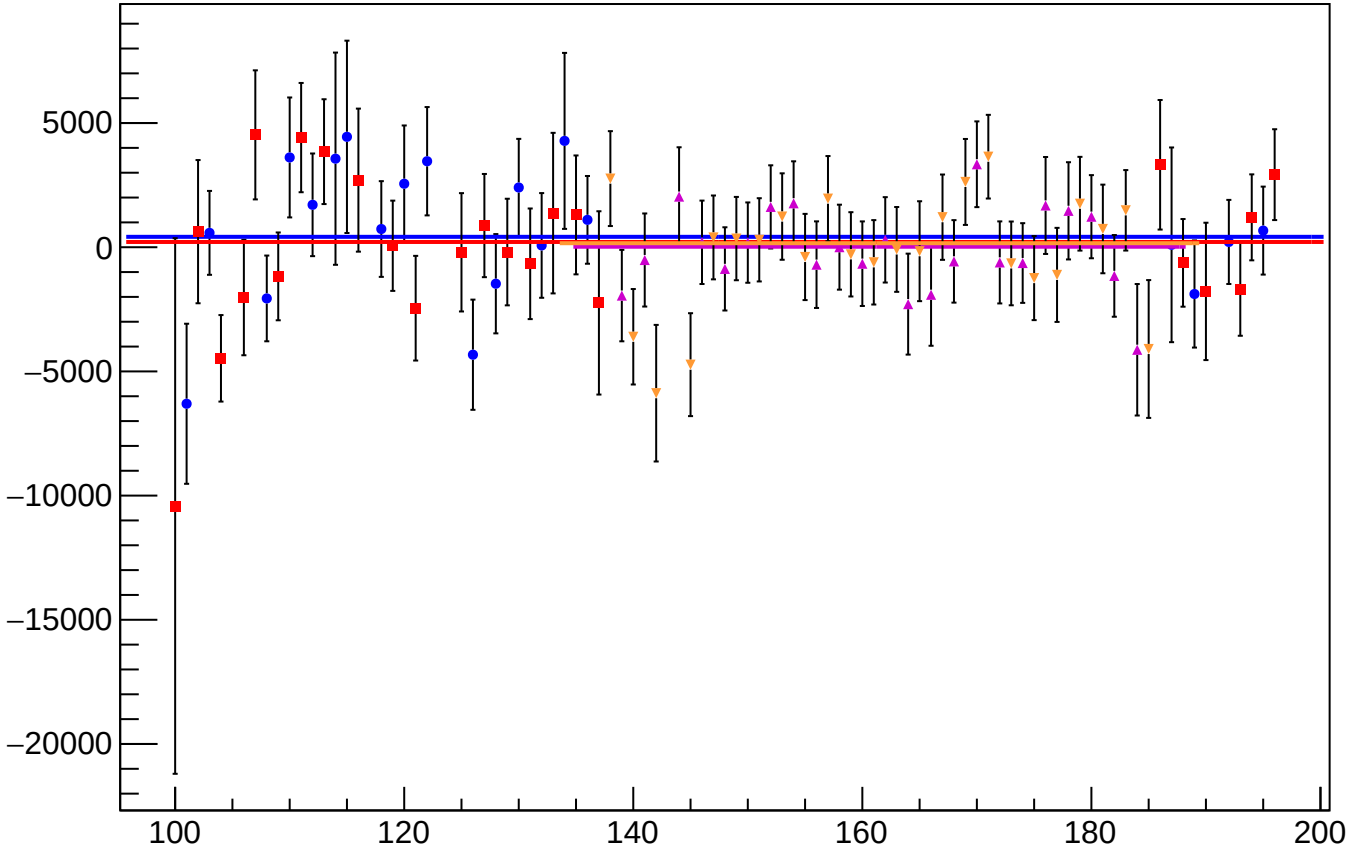
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 465.605+/-0.069 χ^2/NDF: 9898800.7/43

All: 464.635+/-0.048 χ^2/NDF: 20647511.0/90

- sign 463.699+/-0.068 χ^2/NDF: 10748318.9/46

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 418.857+/-484.617 χ^2/NDF: 22.0/19

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 211.673+/-452.806 χ^2/NDF: 28.3/23

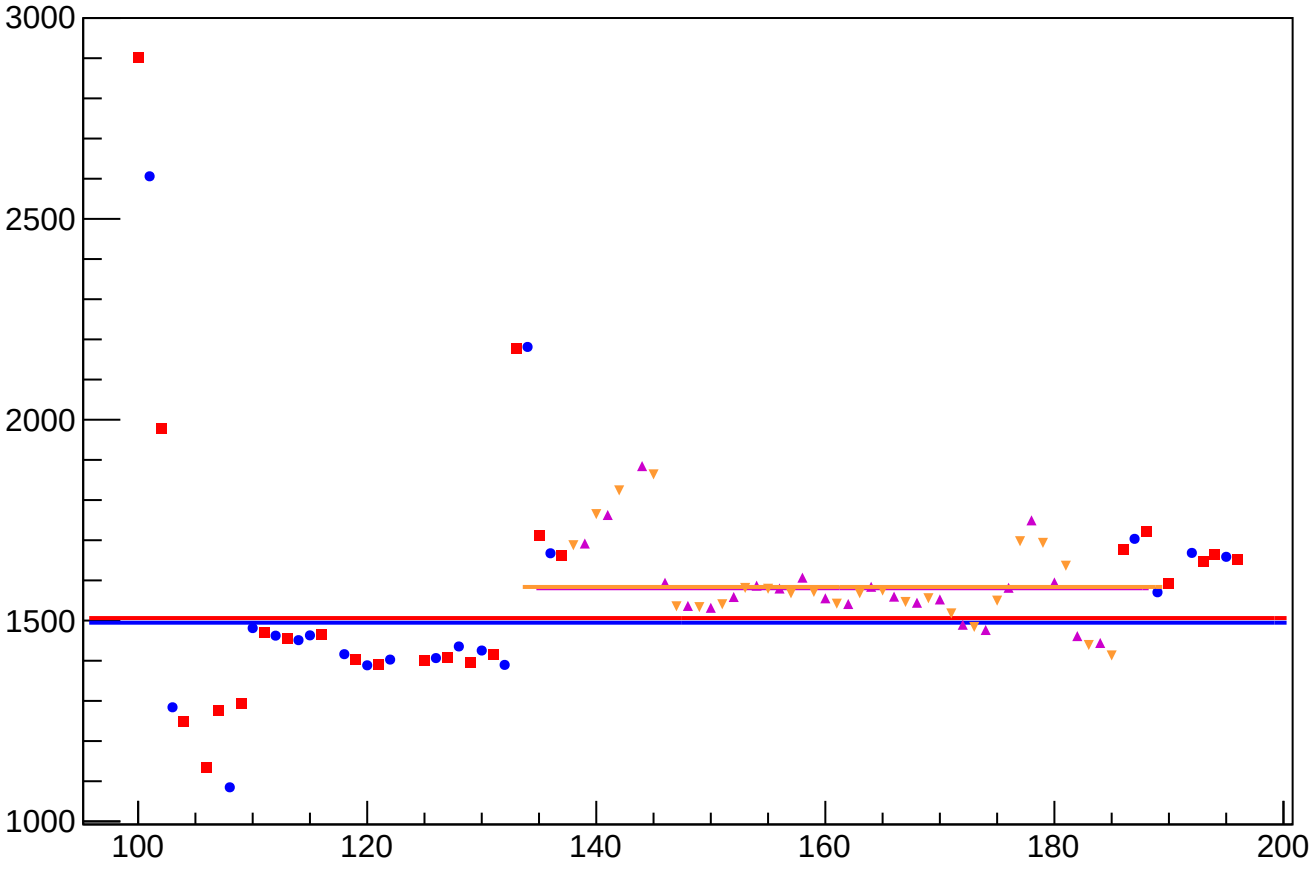
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 255.801+/-293.262 χ^2/NDF: 52.1/43

All: 174.440+/-204.902 χ^2/NDF: 96.7/90

- sign 96.837+/-286.410 χ^2/NDF: 44.4/46

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1494.709+/-0.343 χ^2/NDF: 546498.7/19

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1506.240+/-0.320 χ^2/NDF: 444499.4/23

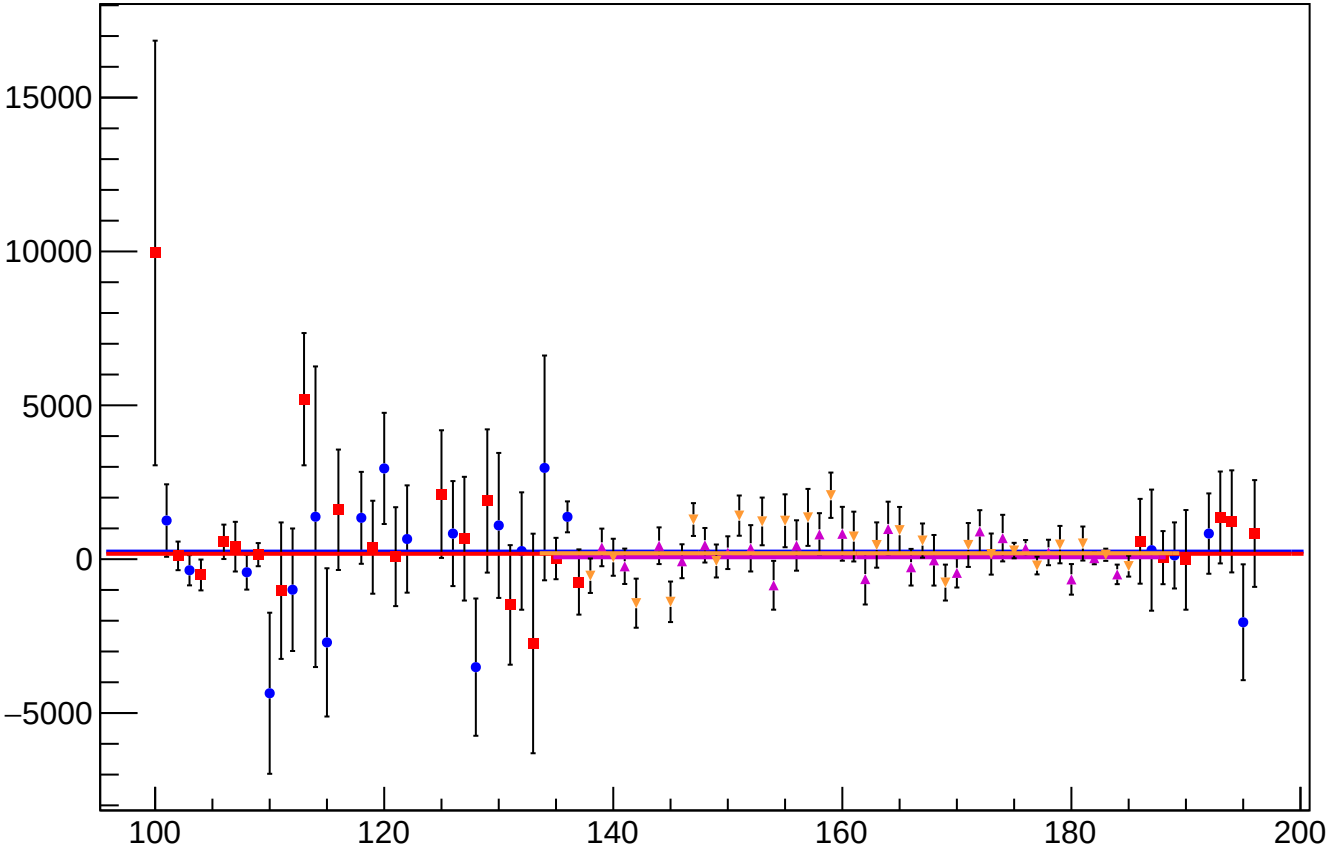
Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1551.095+/-0.207 χ^2/NDF: 722800.5/43

All: 1550.928+/-0.145 χ^2/NDF: 1325286.2/90

- sign 1550.768+/-0.203 χ^2/NDF: 602484.4/46

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 246.269+/-244.510 χ^2/NDF: 21.9/19

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 174.913+/-184.288 χ^2/NDF: 15.8/23

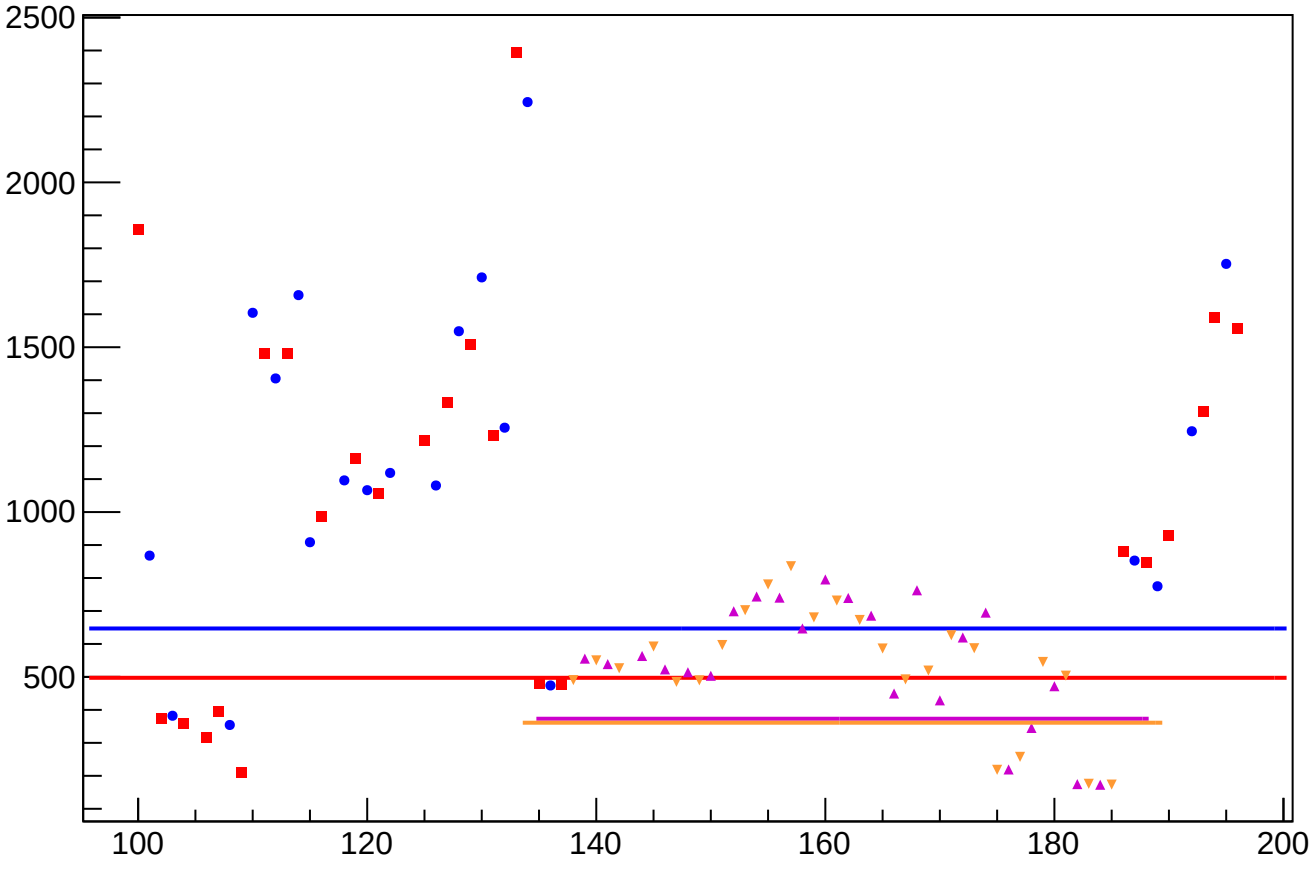
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 200.367+/-89.273 χ^2/NDF: 62.0/43

All: 143.040+/-62.563 χ^2/NDF: 95.9/90

- sign 87.713+/-87.702 χ^2/NDF: 33.1/46

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 646.915+/-0.173 χ^2/NDF: 5139223.3/19

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 497.323+/-0.130 χ^2/NDF: 7969564.1/23

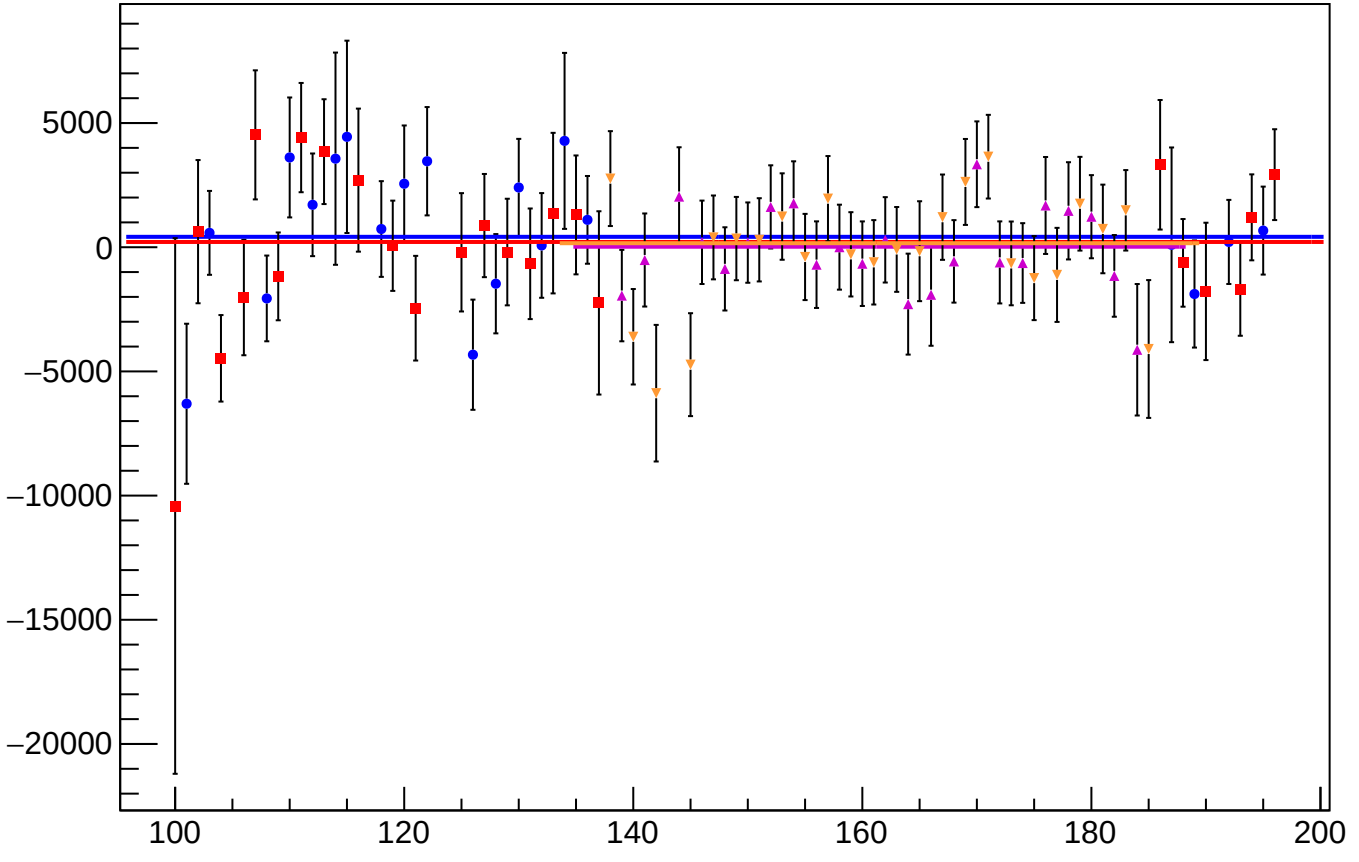
Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 399.201+/-0.063 χ^2/NDF: 15690842.6/43

All: 400.251+/-0.044 χ^2/NDF: 32570781.7/90

- sign 401.264+/-0.062 χ^2/NDF: 16879395.2/46

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 418.859+/-484.617 χ^2/NDF: 22.0/19

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 211.673+/-452.806 χ^2/NDF: 28.3/23

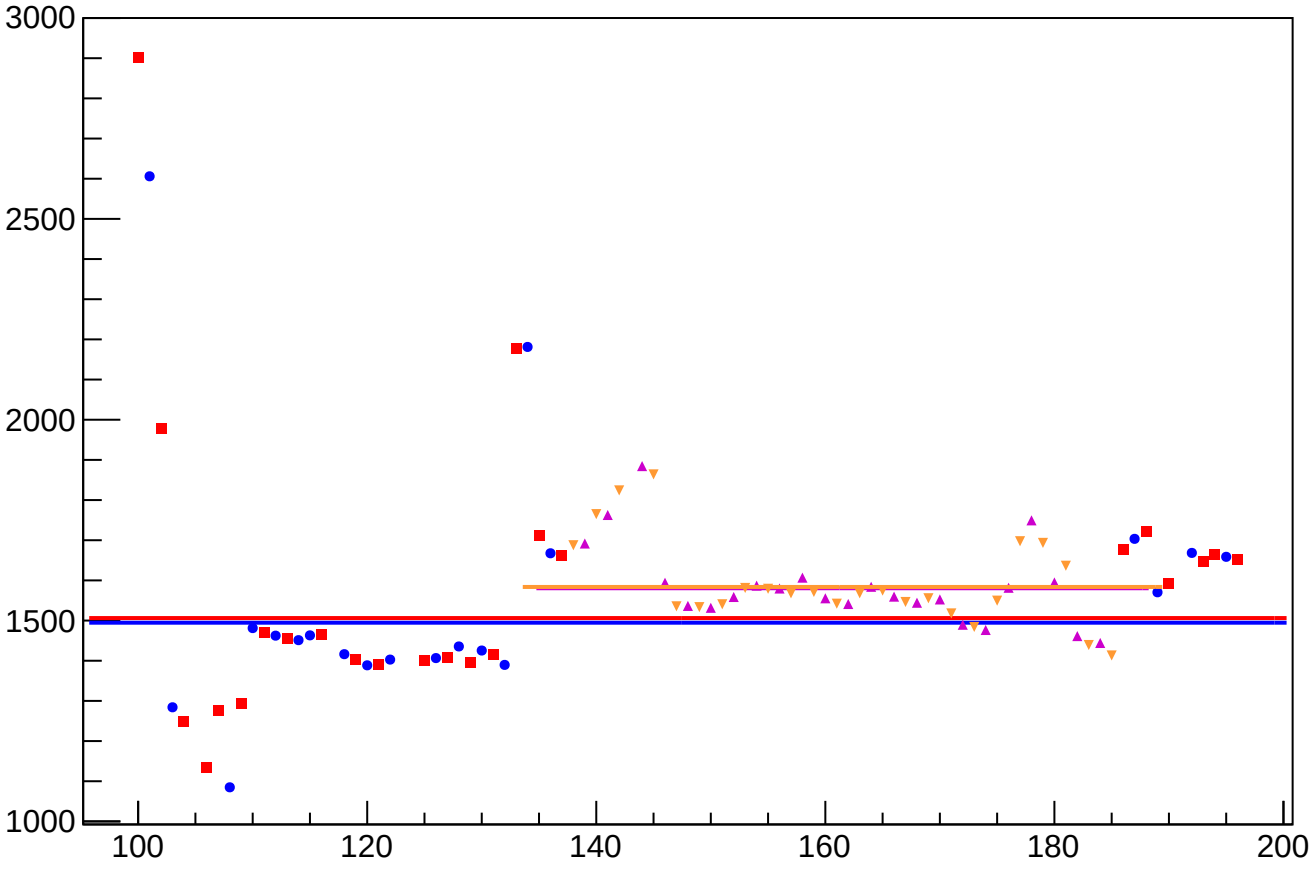
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 255.799+/-293.262 χ^2/NDF: 52.1/43

All: 174.439+/-204.902 χ^2/NDF: 96.7/90

- sign 96.836+/-286.410 χ^2/NDF: 44.4/46

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1494.709+/-0.343 χ^2/NDF: 546498.3/19

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

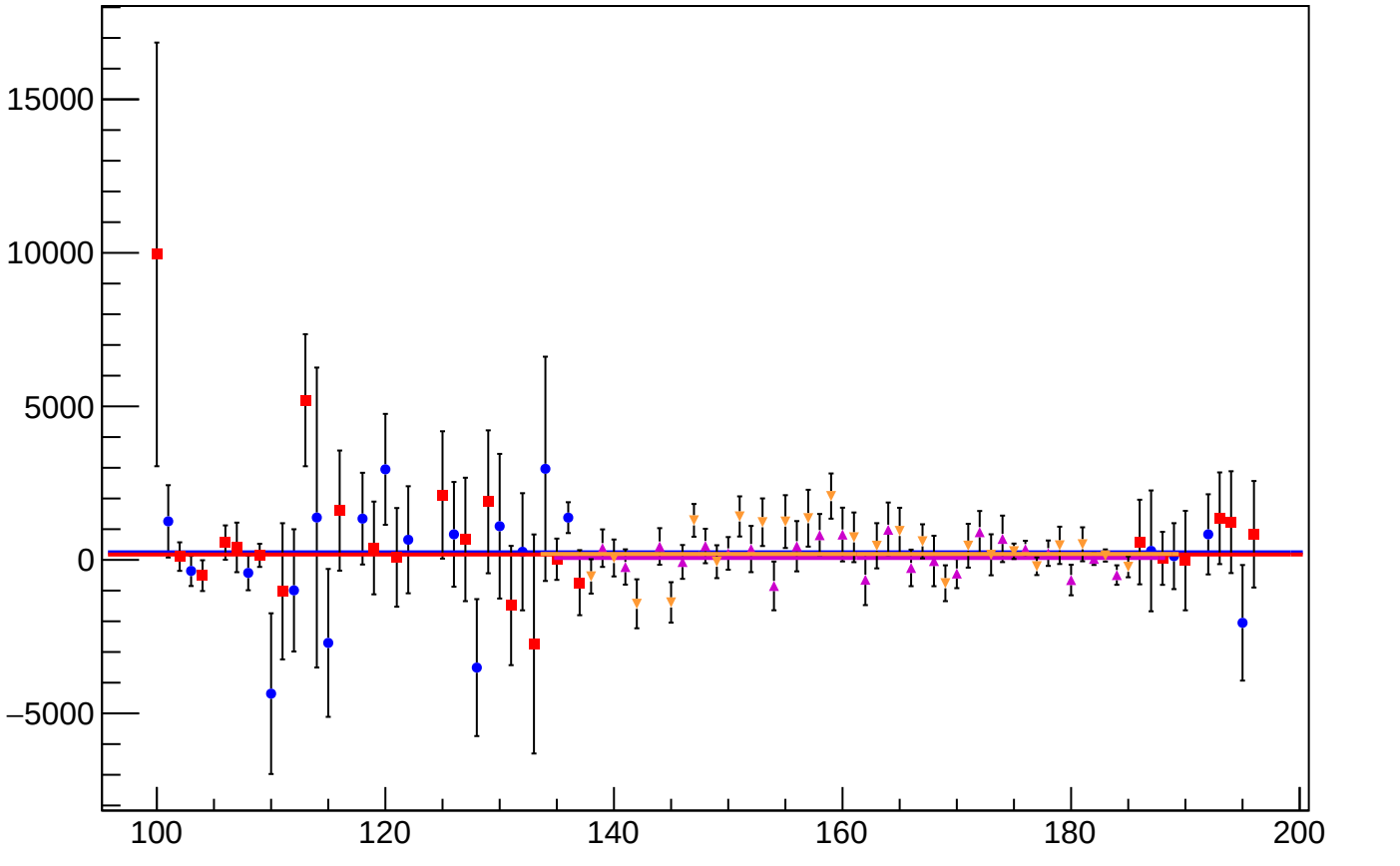
Right Out: 1506.240+/-0.320 χ^2/NDF: 444499.6/23

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1551.095+/-0.207 χ^2/NDF: 722800.0/43

All: 1550.927+/-0.145 χ^2/NDF: 1325285.7/90

- sign 1550.768+/-0.203 χ^2/NDF: 602484.4/46



Right In: 246.263+/-244.510 χ^2/NDF: 21.9/19

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

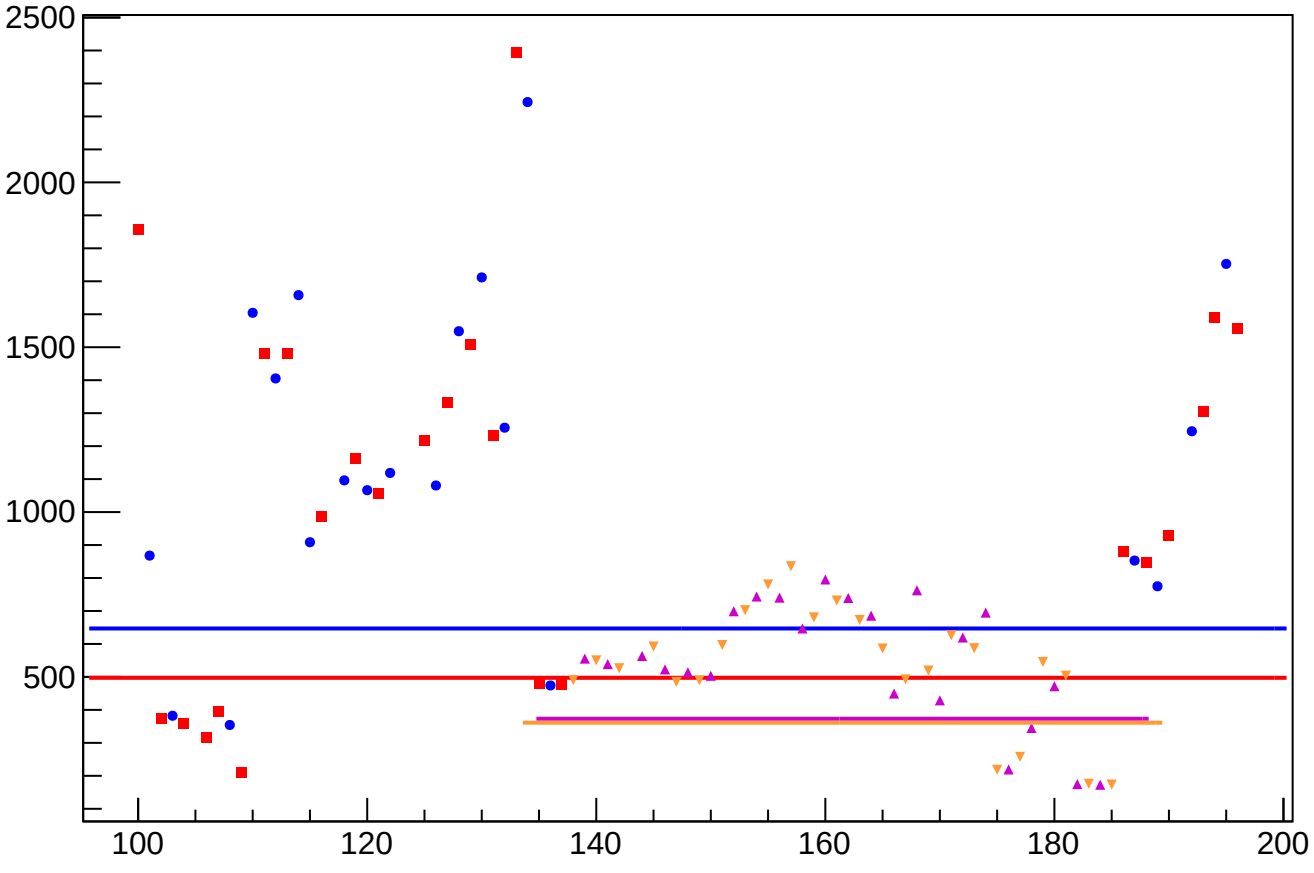
Right Out: 174.910+/-184.290 χ^2/NDF: 15.8/23

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 200.371+/-89.274 χ^2/NDF: 62.0/43

All: 143.040+/-62.563 χ^2/NDF: 95.9/90

- sign 87.711+/-87.702 χ^2/NDF: 33.1/46



Right In: 646.914+/-0.173 χ^2/NDF: 5139250.3/19

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 497.329+/-0.130 χ^2/NDF: 7969449.5/23

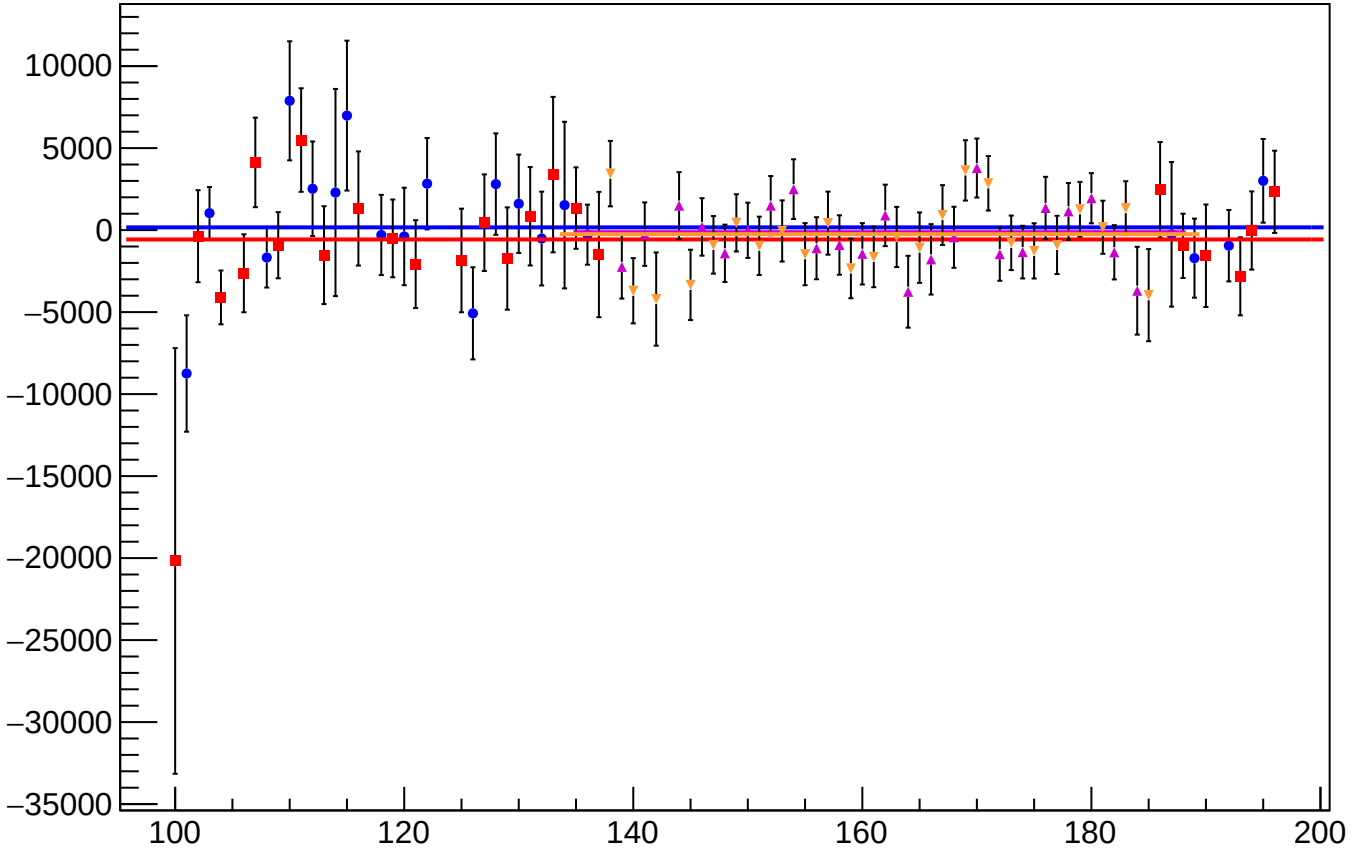
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 399.204+/-0.063 χ^2/NDF: 15690629.5/43

All: 400.255+/-0.044 χ^2/NDF: 32570215.9/90

- sign 401.269+/-0.062 χ^2/NDF: 16879041.6/46

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 166.842+/-593.299 χ^2/NDF: 22.9/19

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -570.360+/-544.662 χ^2/NDF: 20.6/23

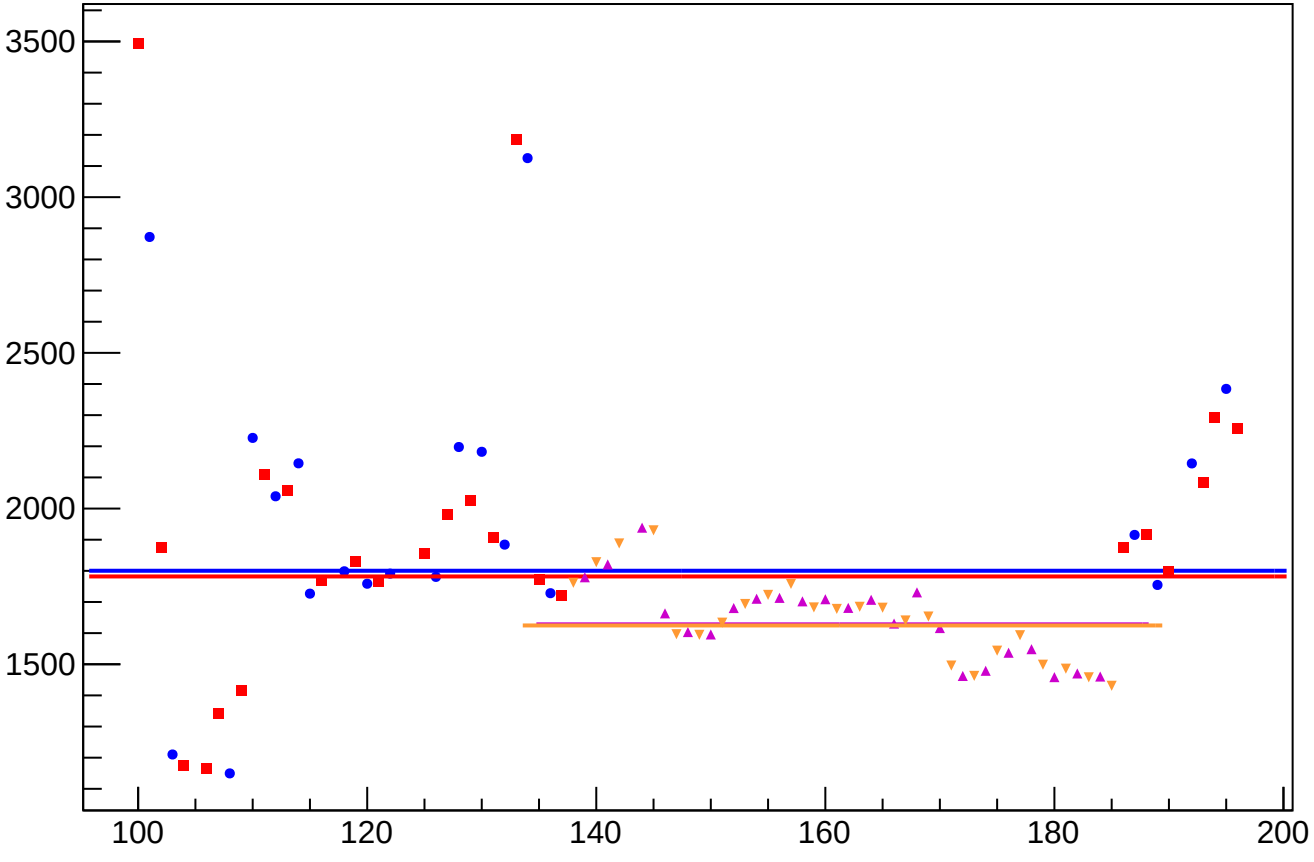
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -127.493+/-318.930 χ^2/NDF: 49.2/43

All: -201.366+/-223.161 χ^2/NDF: 91.6/90

- sign -272.230+/-312.366 χ^2/NDF: 42.2/46

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1800.278+/-0.420 χ^2/NDF: 1121940.3/19

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

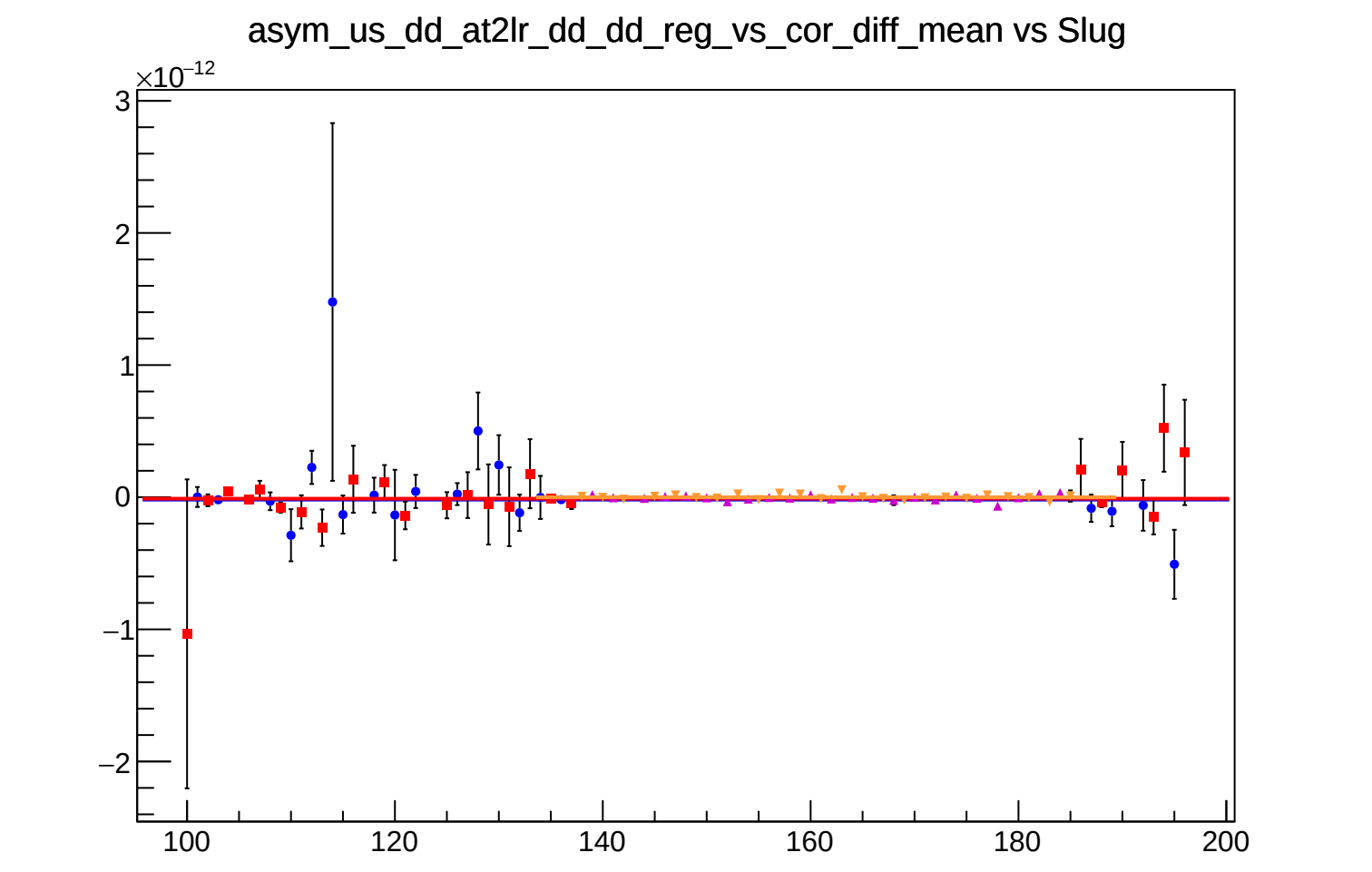
Right Out: 1781.988+/-0.385 χ^2/NDF: 1011069.3/23

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1675.375+/-0.226 χ^2/NDF: 1453861.7/43

All: 1677.121+/-0.158 χ^2/NDF: 2776904.8/90

- sign 1678.796+/-0.221 χ^2/NDF: 1322925.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

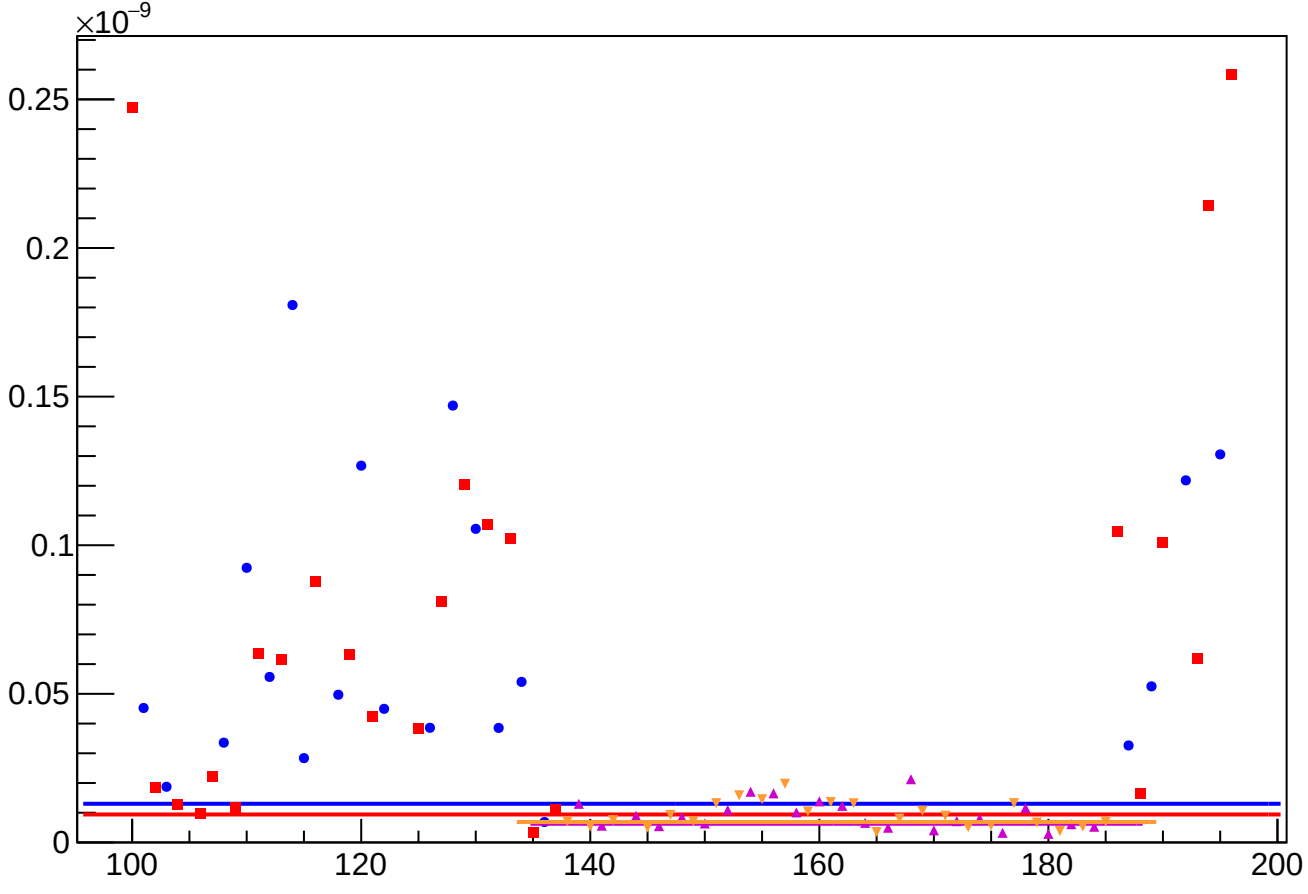
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/43

All: -0.000+/-0.000 χ^2/NDF: 92.1/90

- sign -0.000+/-0.000 χ^2/NDF: 48.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 4813183.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

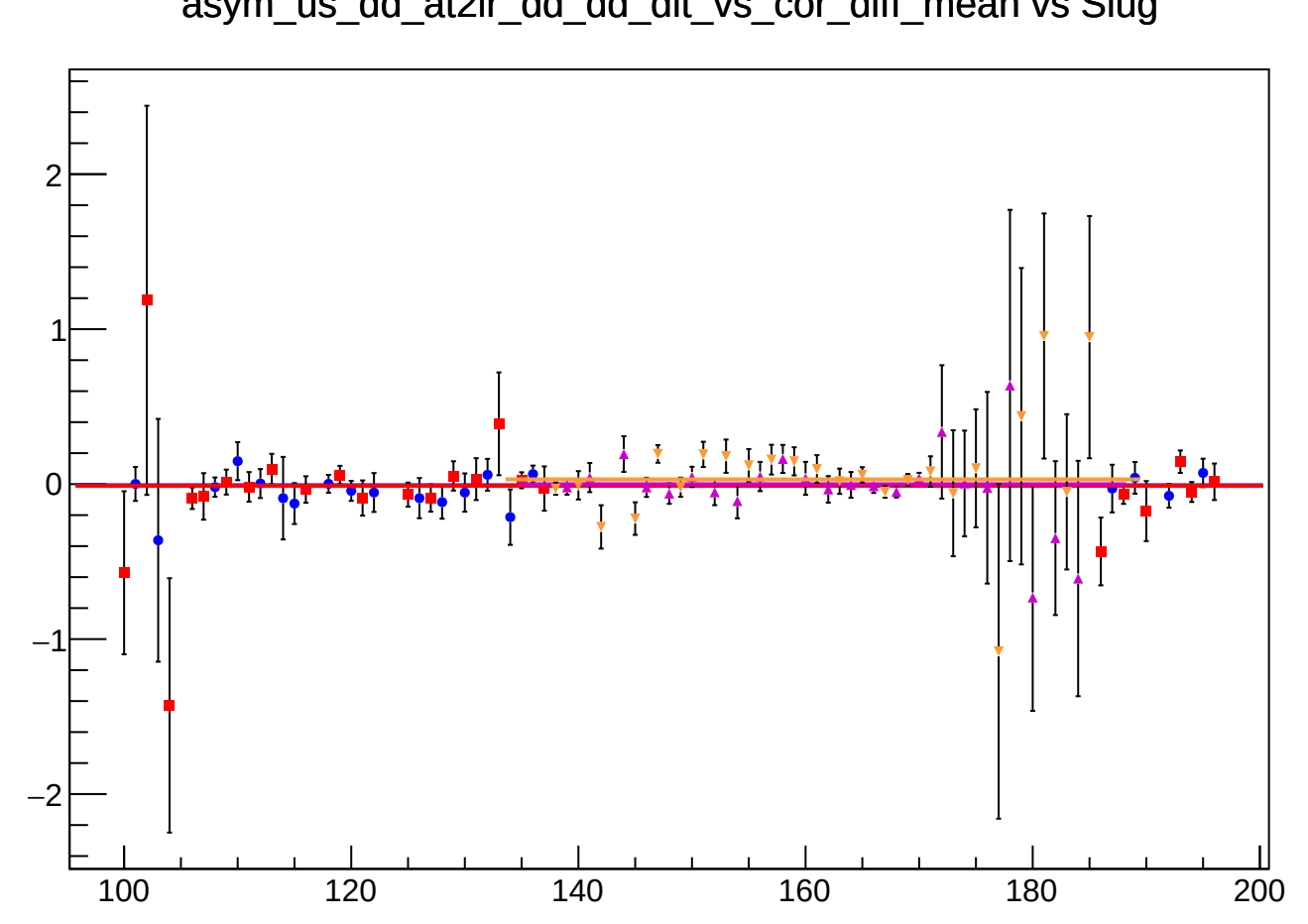
Right Out: 0.000+/-0.000 χ^2/NDF: 6191193.6/23

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7744644.2/43

All: 0.000+/-0.000 χ^2/NDF: 17152586.0/90

- sign 0.000+/-0.000 χ^2/NDF: 9328326.4/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

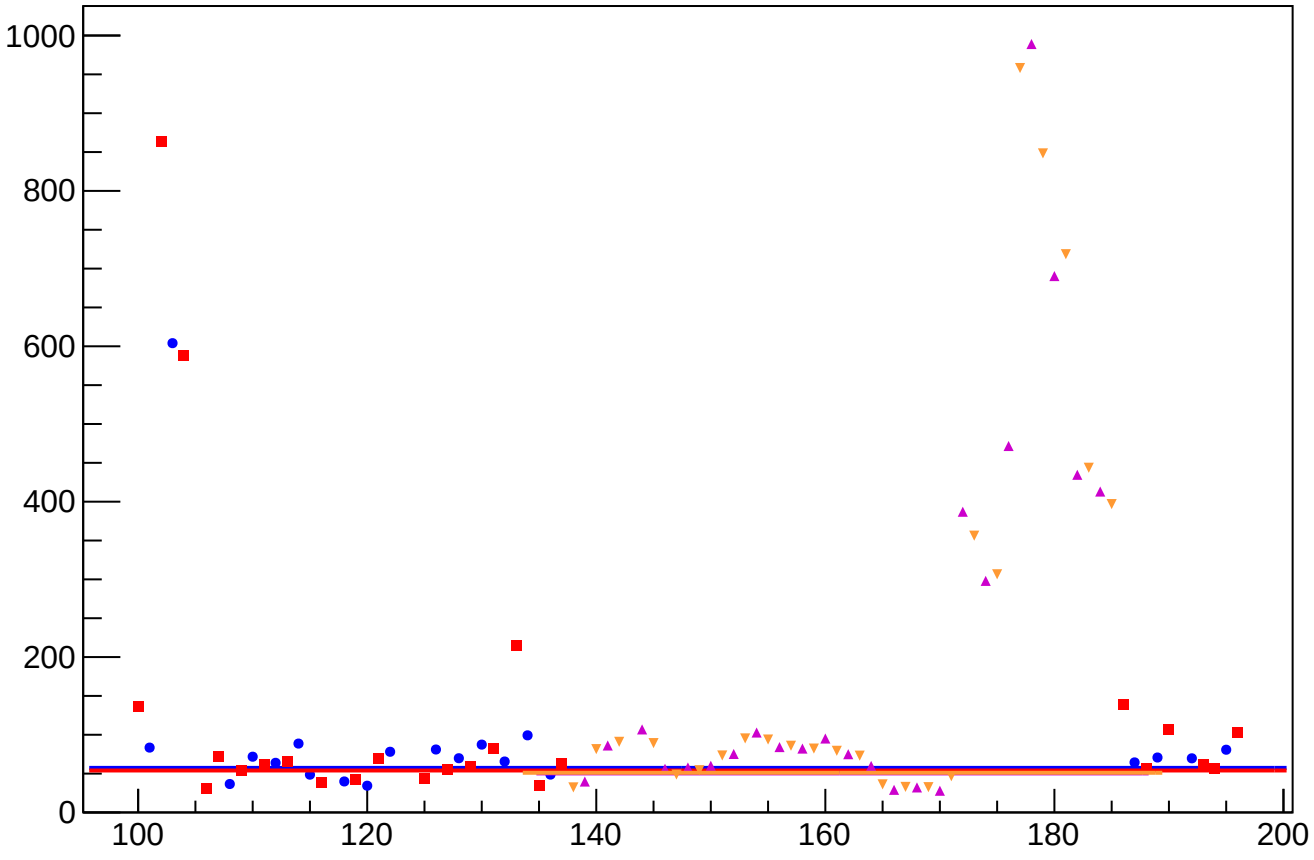
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/43

All: 0.006+/-0.009 χ^2/NDF: 95.6/90

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

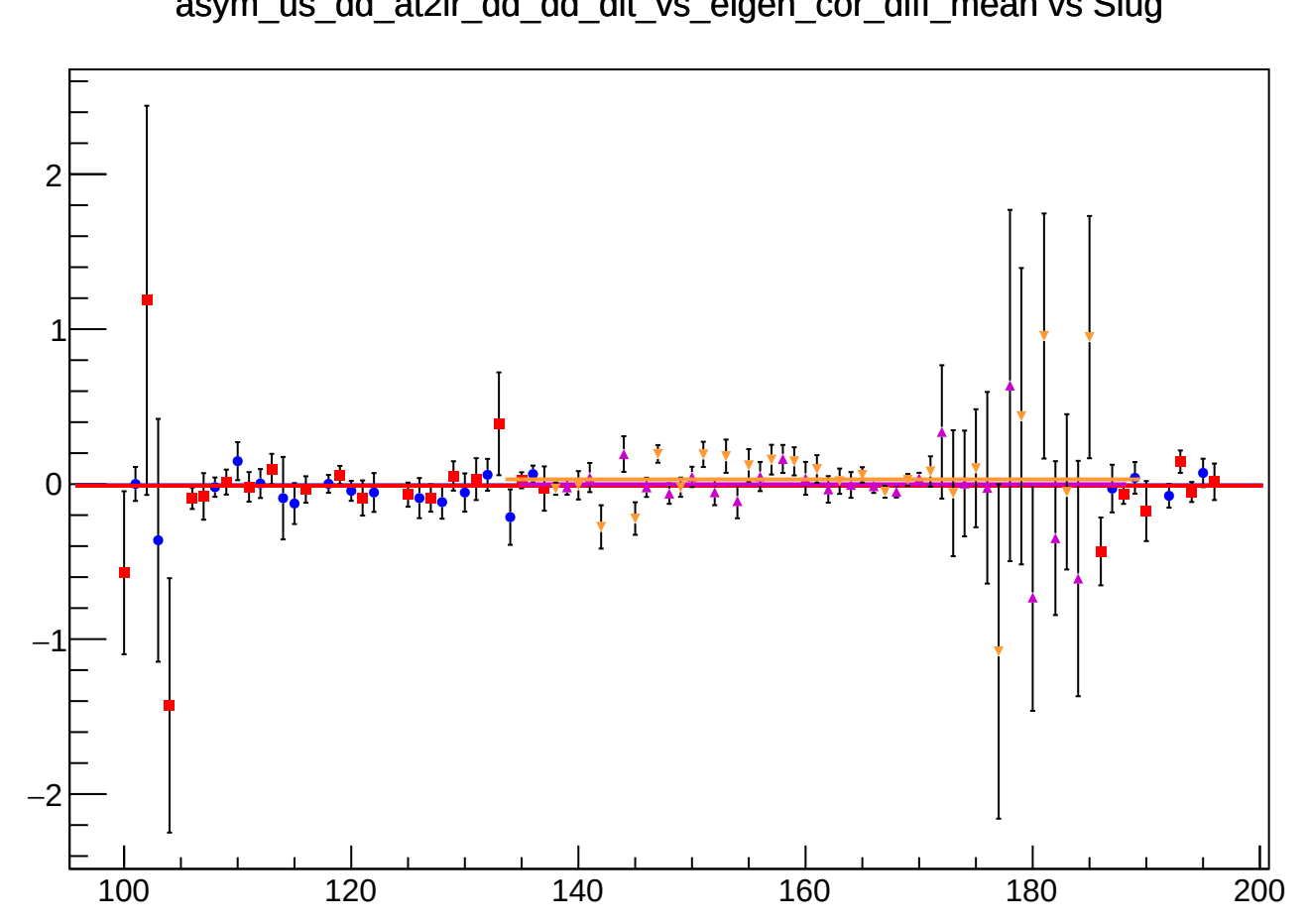
Right Out: 54.030+/-0.013 χ^2/NDF: 3923269.5/23

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 53.314+/-0.009 χ^2/NDF: 14332318.6/43

All: 52.498+/-0.006 χ^2/NDF: 30516702.7/90

\- sign 51.758+/-0.008 χ^2/NDF: 16167935.5/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

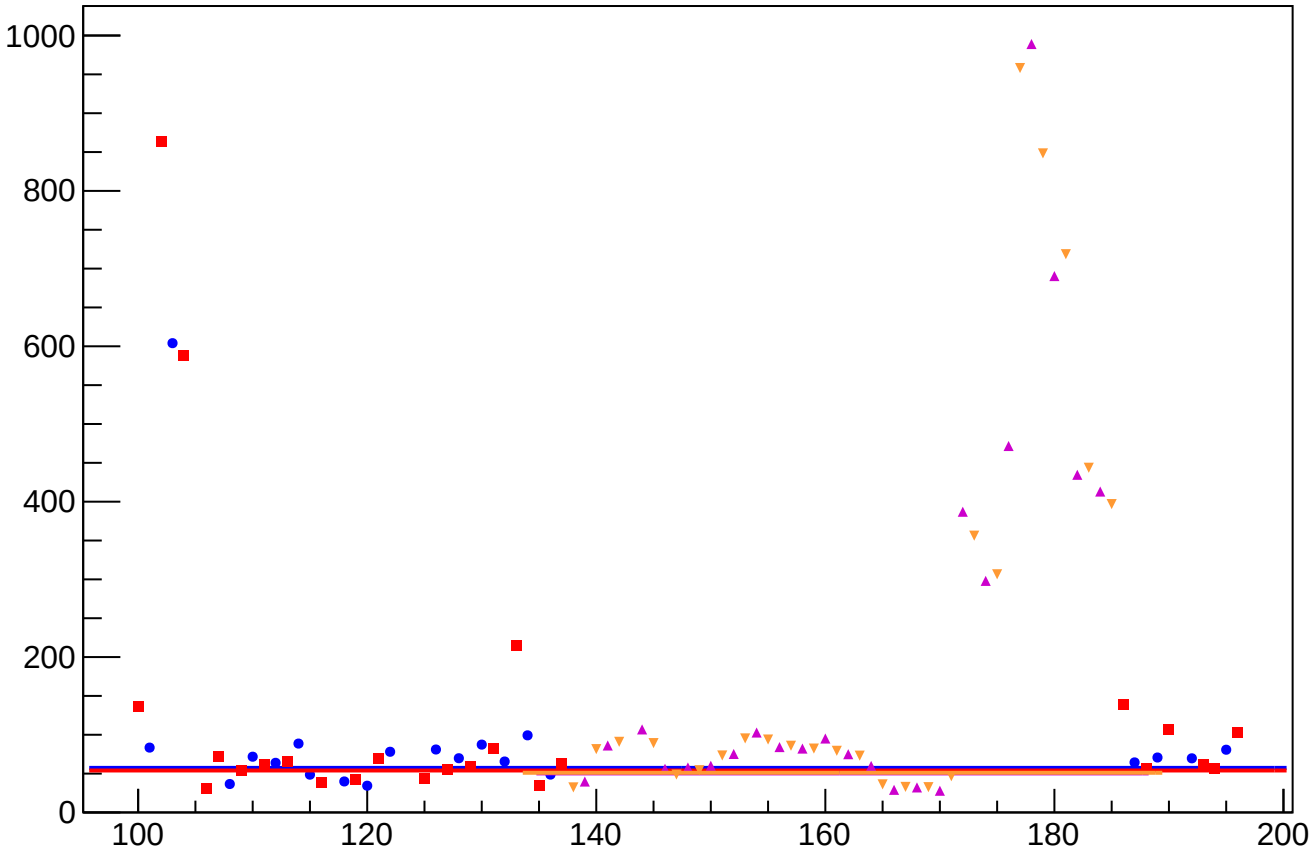
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/43

All: 0.006+/-0.009 χ^2/NDF: 95.6/90

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

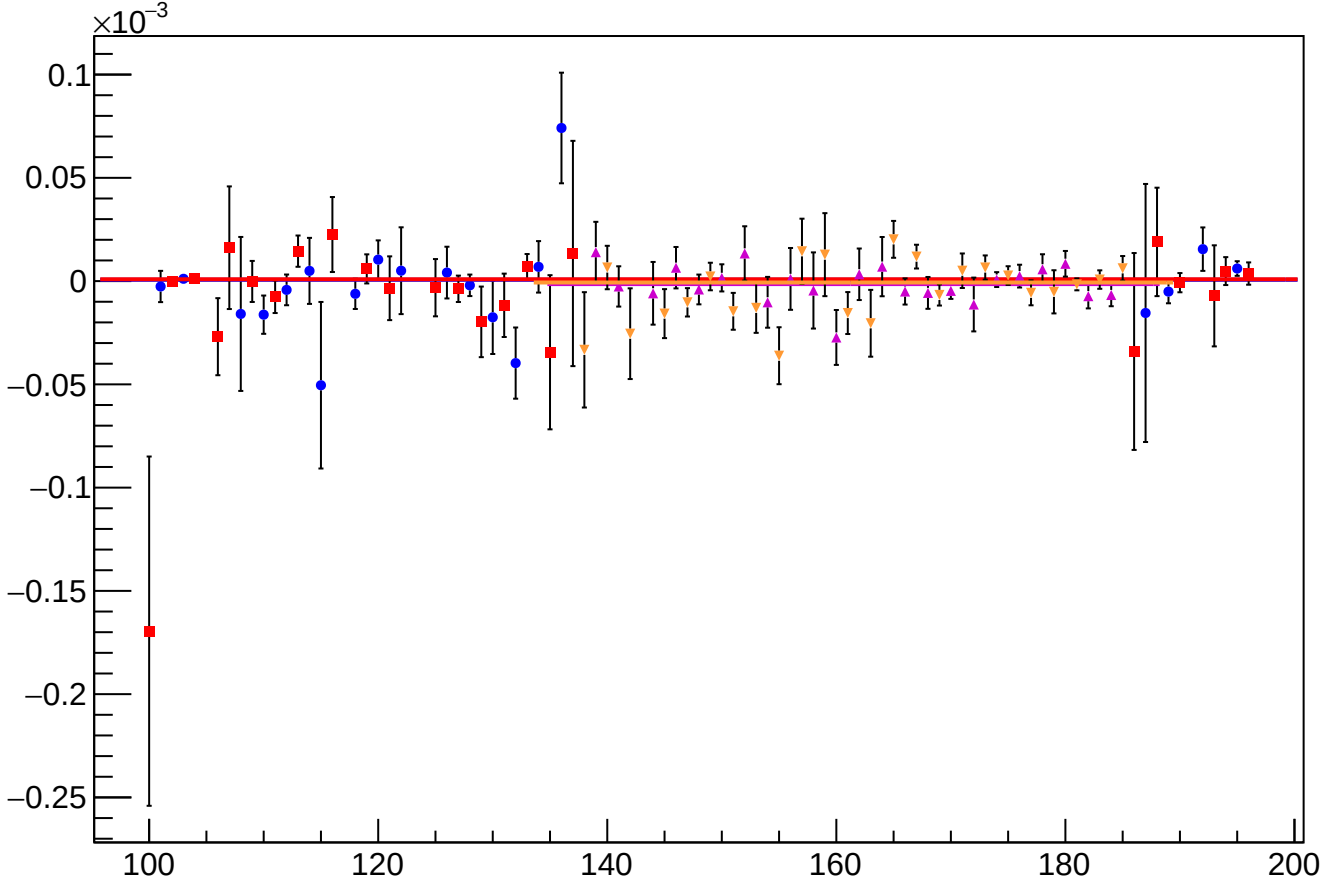
Right Out: 54.030+/-0.013 χ^2/NDF: 3923269.5/23

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 53.314+/-0.009 χ^2/NDF: 14332318.6/43

All: 52.498+/-0.006 χ^2/NDF: 30516702.7/90

\- sign 51.758+/-0.008 χ^2/NDF: 16167935.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

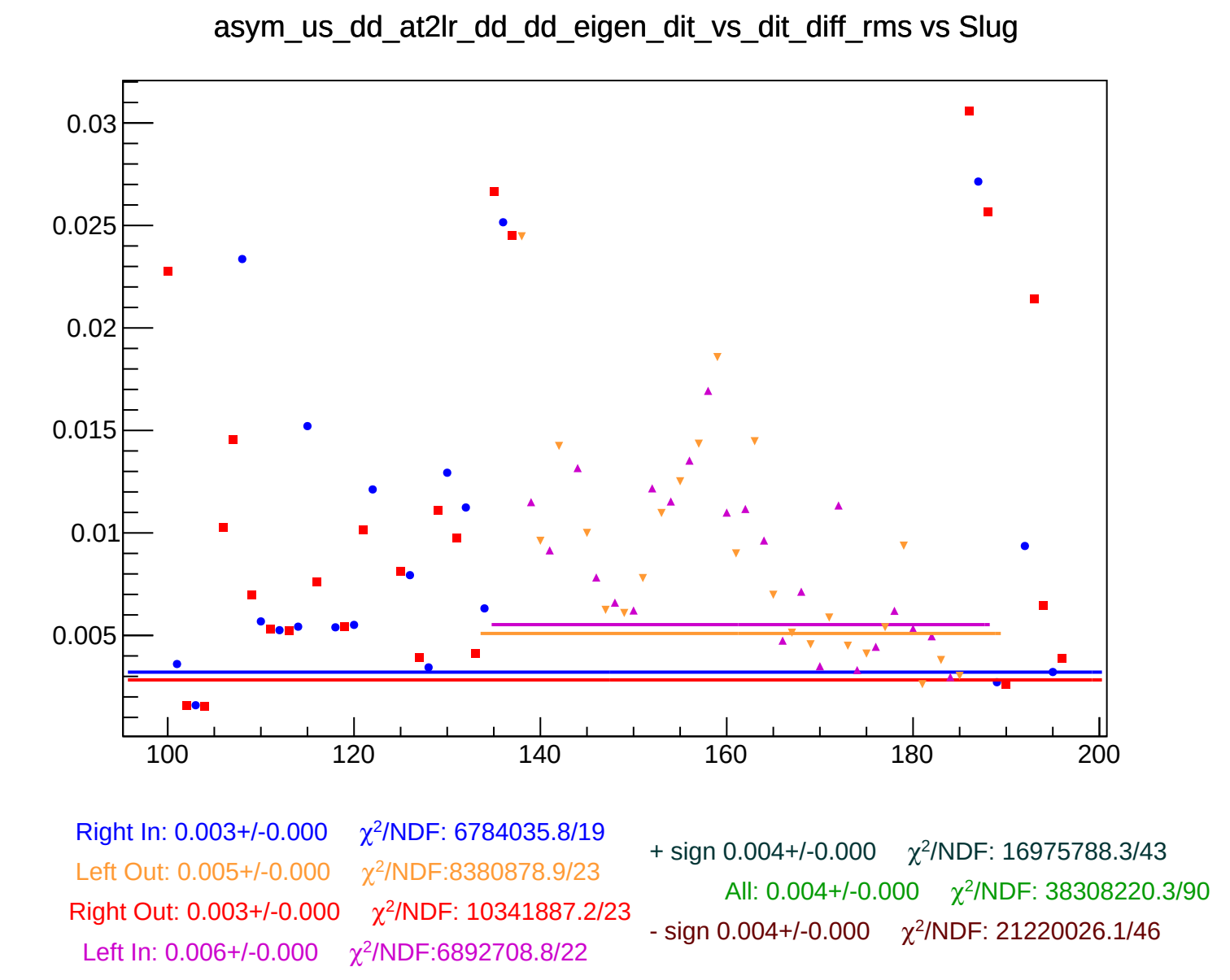
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/23

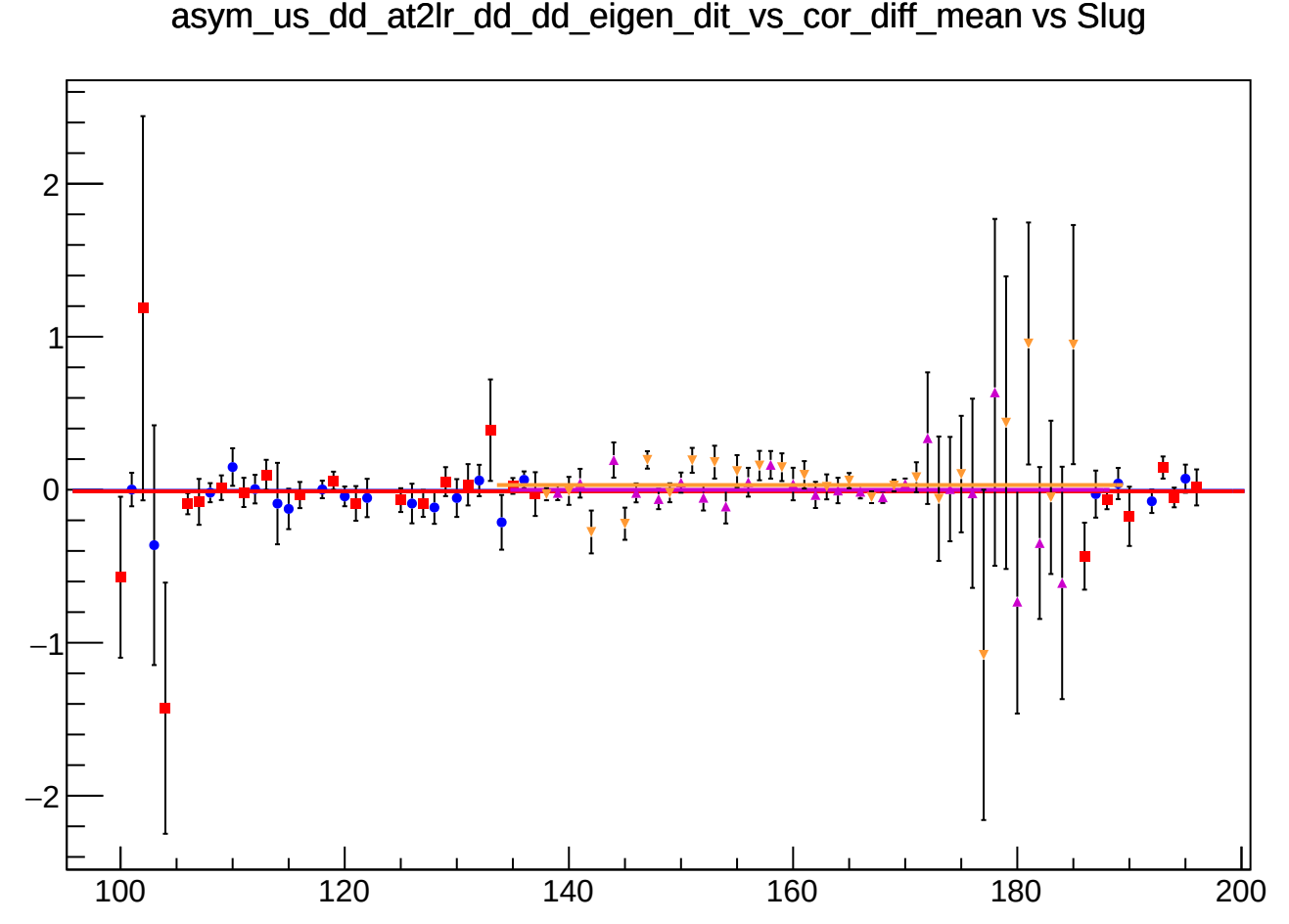
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.9/43

All: -0.000+/-0.000 χ^2/NDF: 104.5/90

- sign 0.000+/-0.000 χ^2/NDF: 37.6/46


asym_us_dd_at2lr_dd_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: 0.003+/-0.000 χ²/NDF: 6784035.8/19
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 10341887.2/23
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 16975788.3/43
All: 0.004+/-0.000 χ²/NDF: 38308220.3/90
- sign 0.004+/-0.000 χ²/NDF: 21220026.1/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

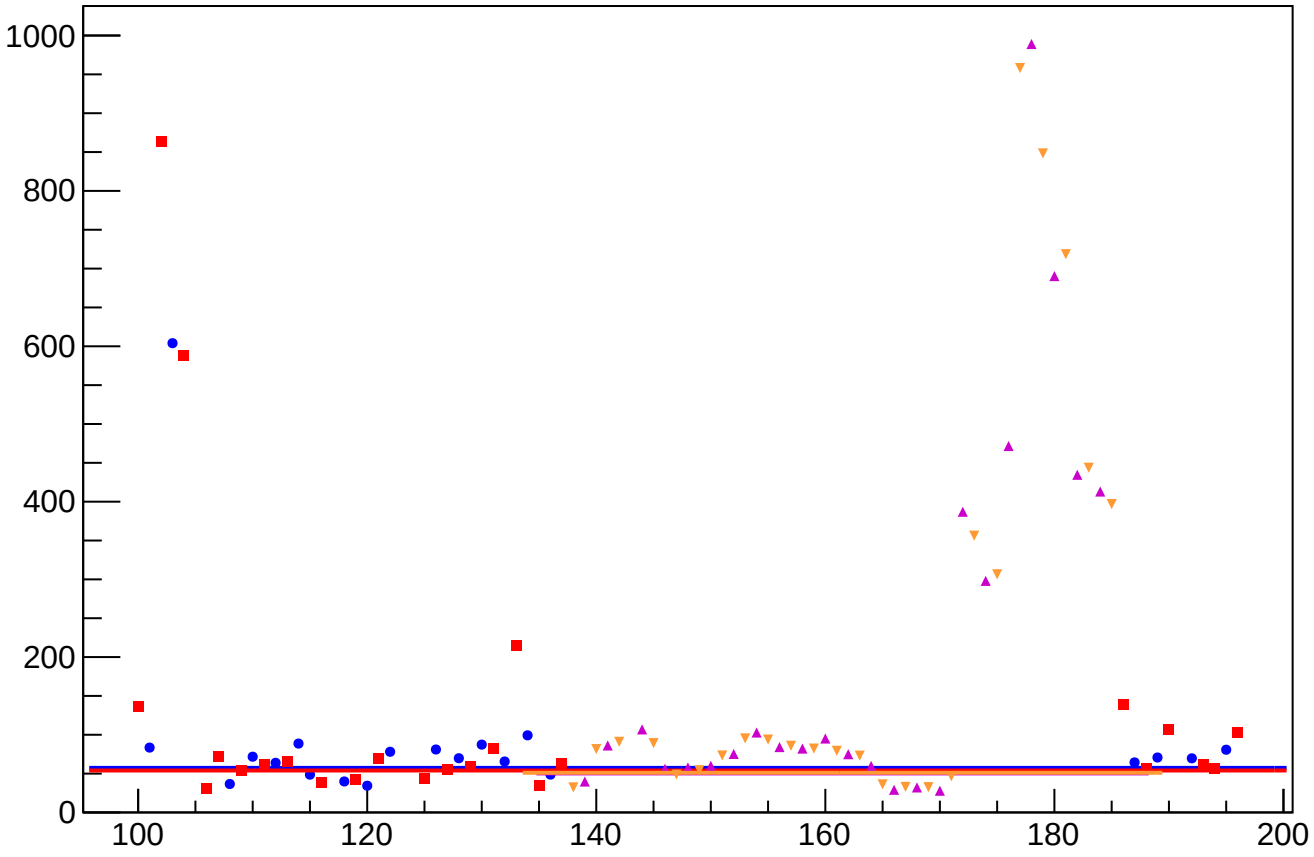
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/43

All: 0.006+/-0.009 χ^2/NDF: 95.7/90

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 57.373+/-0.015 χ^2/NDF: 2477877.2/19

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

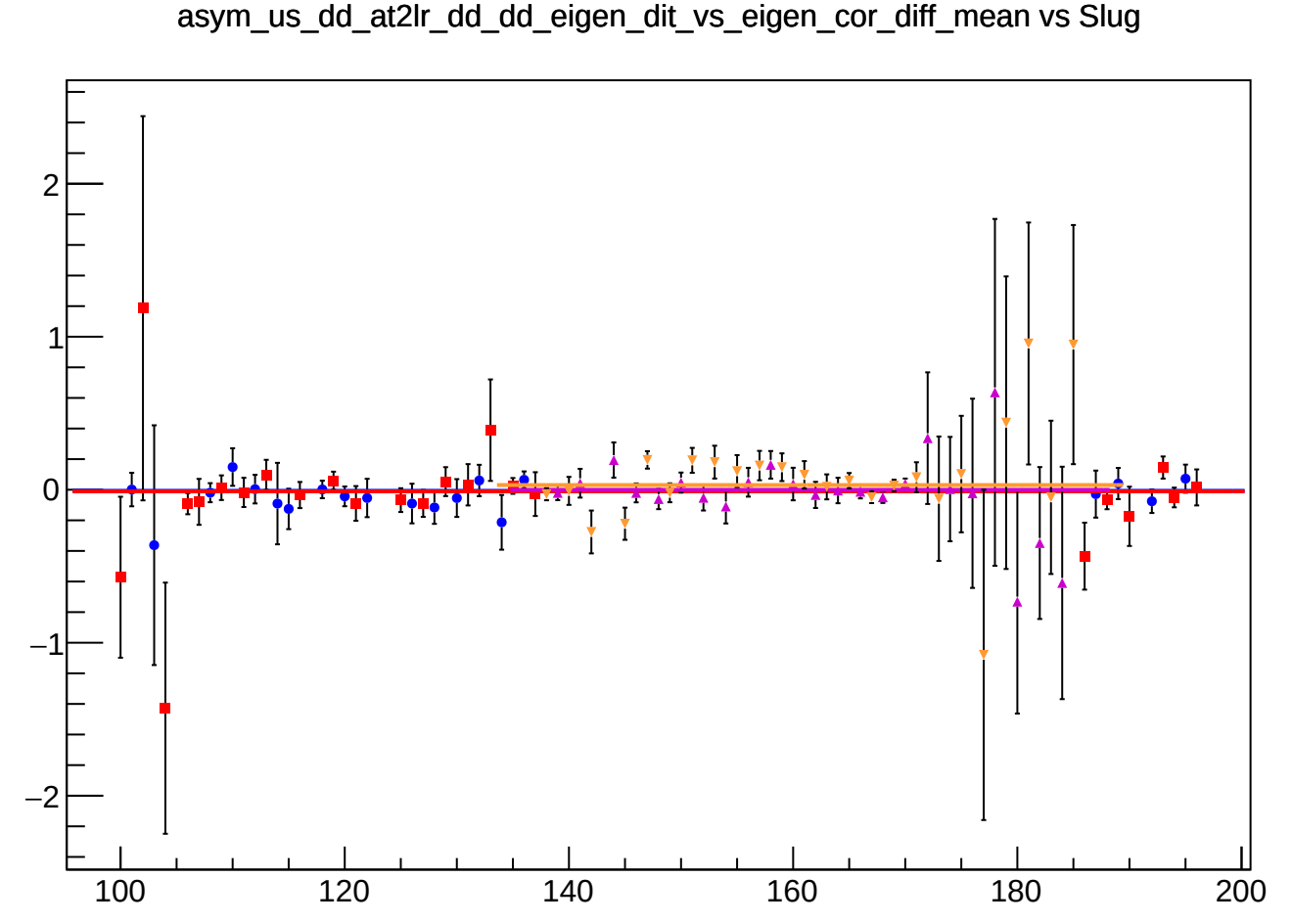
Right Out: 54.032+/-0.013 χ^2/NDF: 3922916.0/23

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.317+/-0.009 χ^2/NDF: 14331020.1/43

All: 52.500+/-0.006 χ^2/NDF: 30515077.9/90

\- sign 51.759+/-0.008 χ^2/NDF: 16167570.8/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

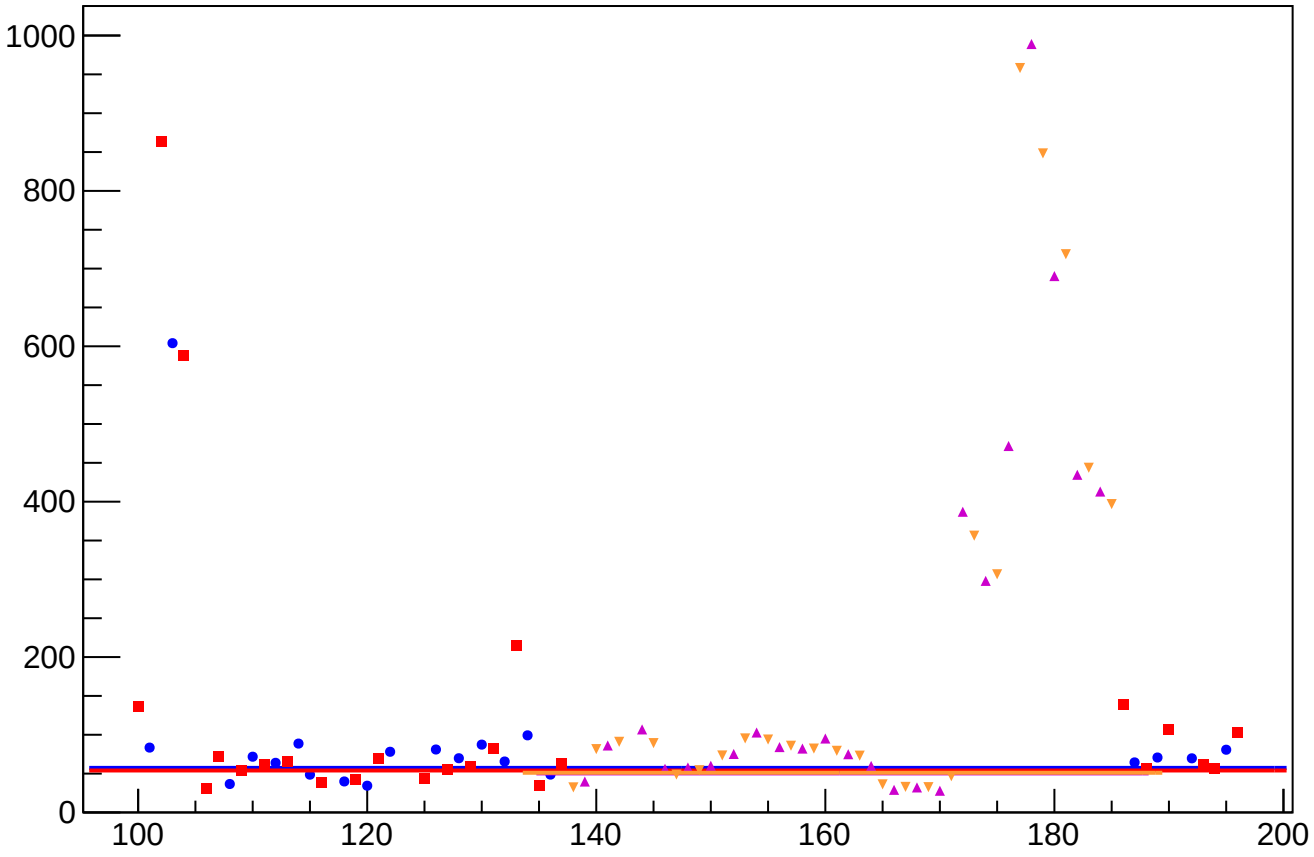
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/43

All: 0.006+/-0.009 χ^2/NDF: 95.7/90

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 57.373+/-0.015 χ^2/NDF: 2477877.2/19

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

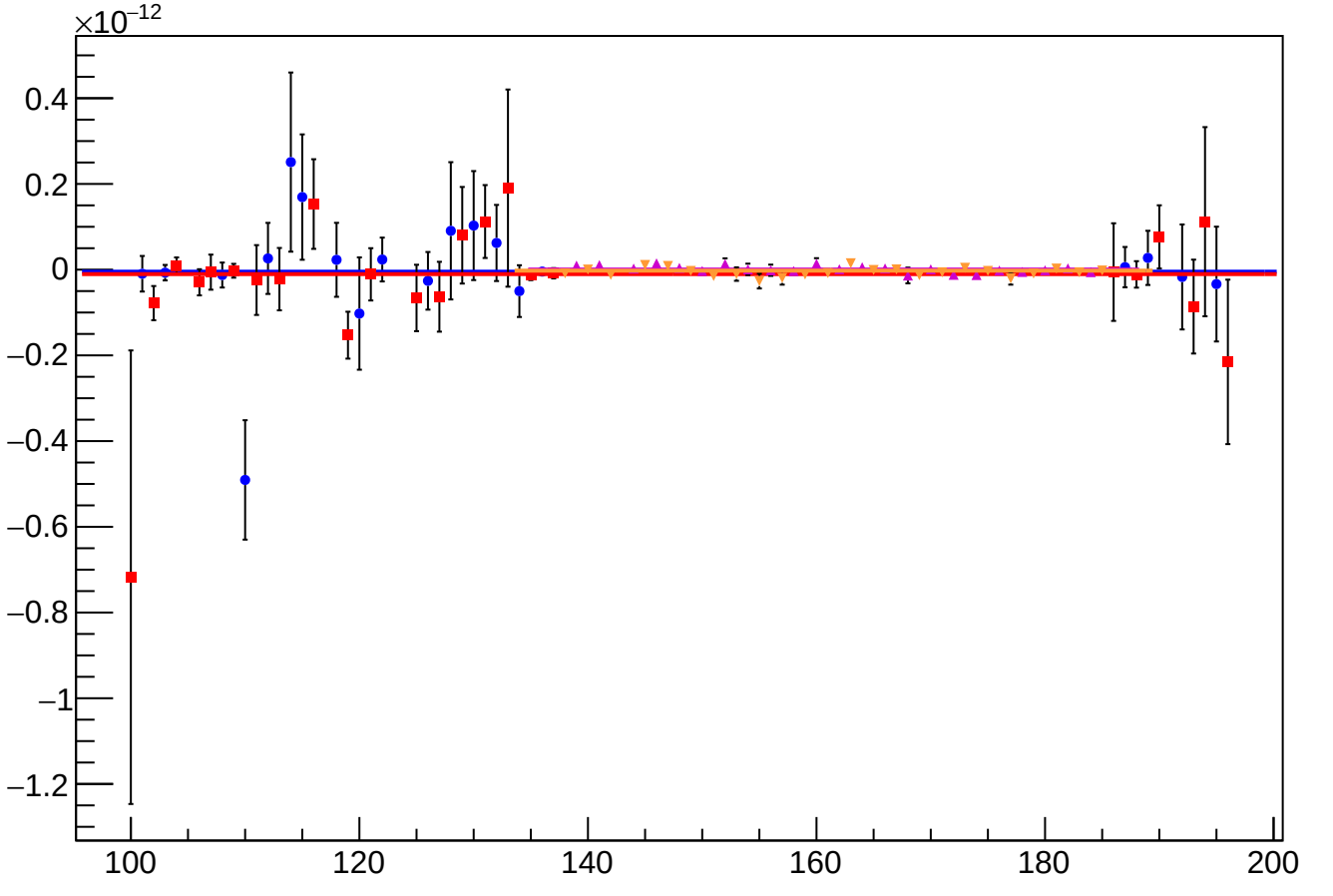
Right Out: 54.032+/-0.013 χ^2/NDF: 3922916.0/23

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.317+/-0.009 χ^2/NDF: 14331020.1/43

All: 52.500+/-0.006 χ^2/NDF: 30515077.9/90

\- sign 51.759+/-0.008 χ^2/NDF: 16167570.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

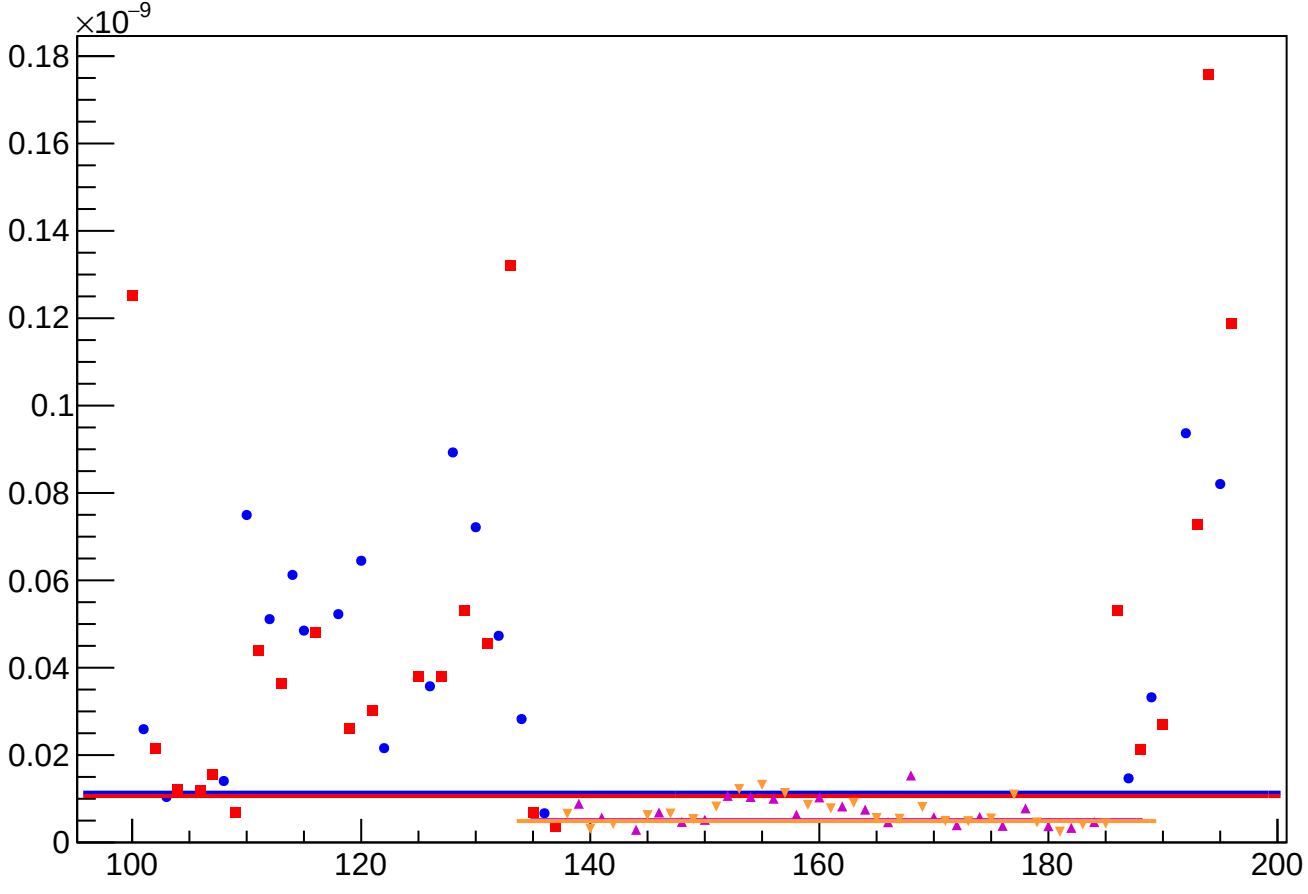
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/43

All: -0.000+/-0.000 χ^2/NDF: 86.6/90

- sign -0.000+/-0.000 χ^2/NDF: 44.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 6289683.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7110809.6/23

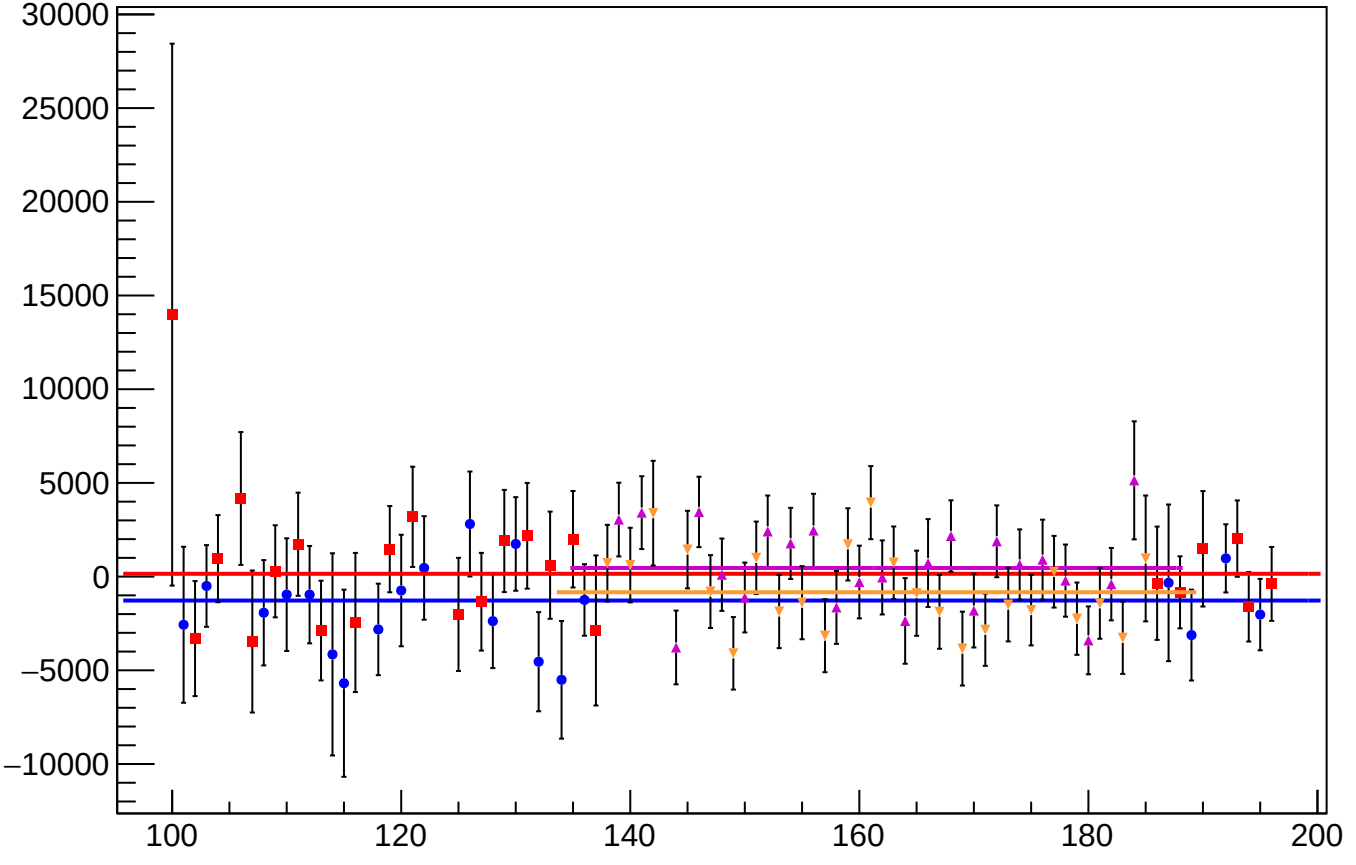
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12387463.9/43

All: 0.000+/-0.000 χ^2/NDF: 24757279.7/90

- sign 0.000+/-0.000 χ^2/NDF: 12348548.6/46

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1276.836+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 150.587+/-541.305 χ^2/NDF: 13.4/23

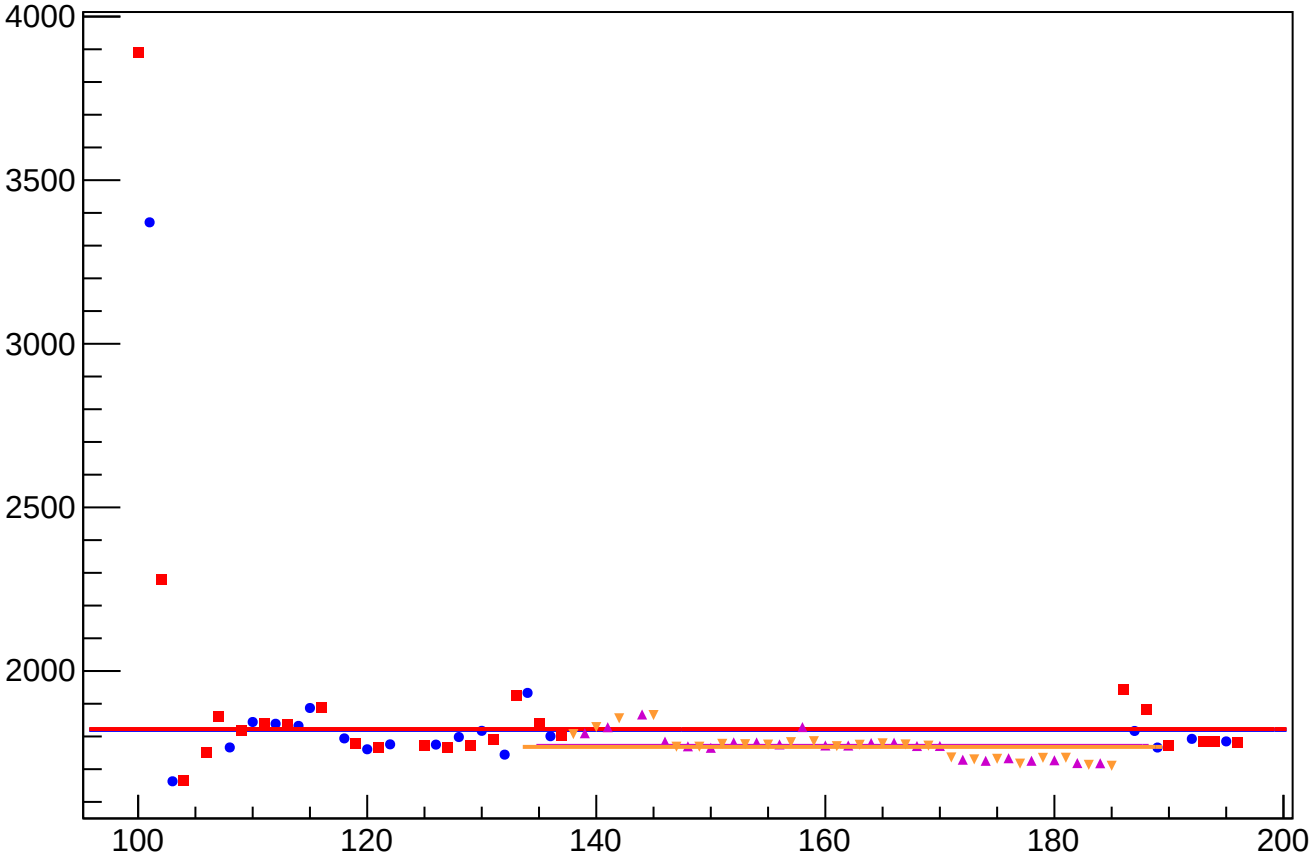
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -978.773+/-336.199 χ^2/NDF: 37.4/43

All: -301.541+/-235.019 χ^2/NDF: 86.3/90

- sign 345.677+/-328.665 χ^2/NDF: 40.9/46

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1820.002+/-0.414 χ^2/NDF: 298262.5/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

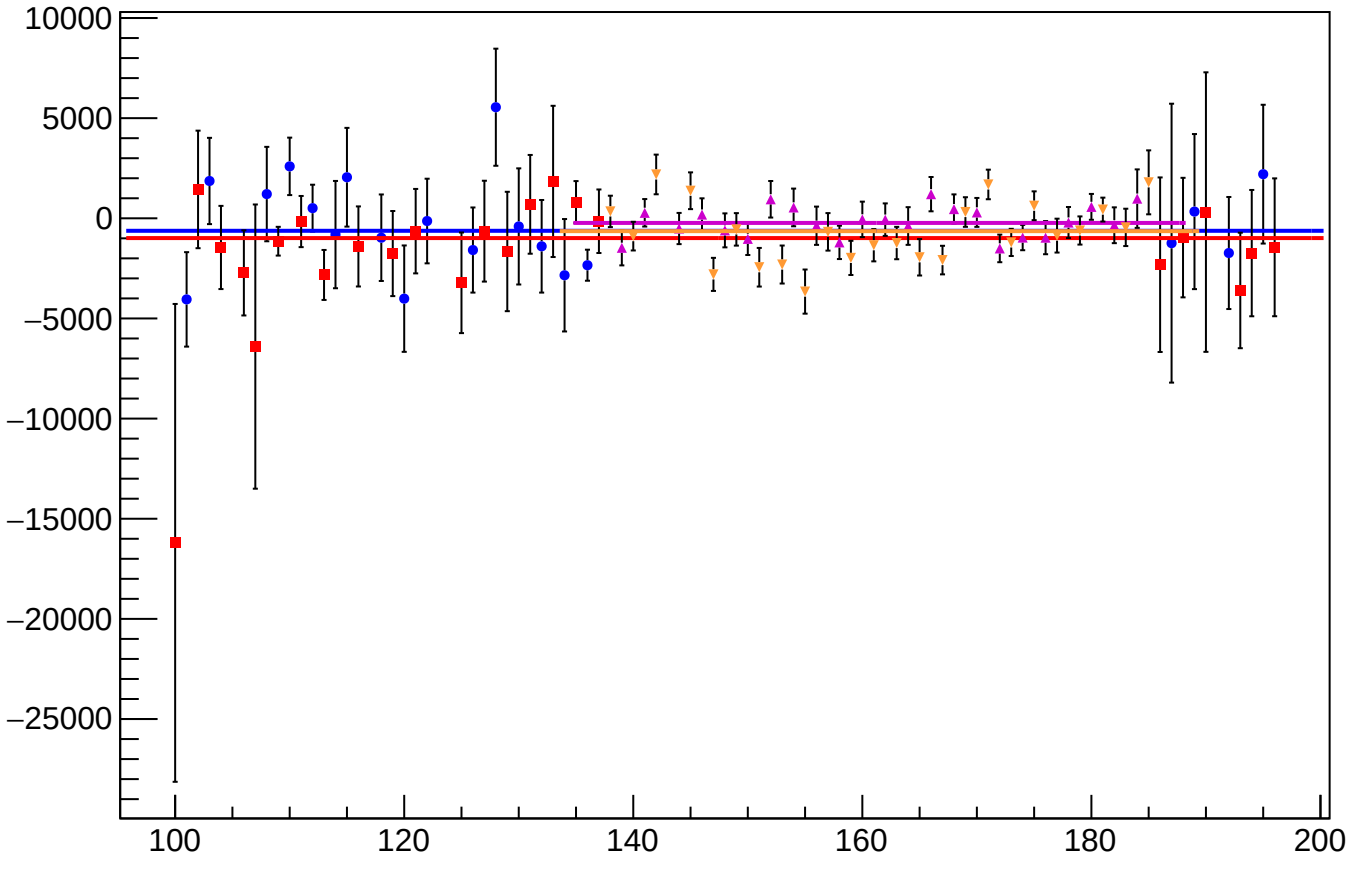
Right Out: 1822.734+/-0.383 χ^2/NDF: 111236.7/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325134.1/43

All: 1787.760+/-0.166 χ^2/NDF: 464460.8/90

- sign 1790.209+/-0.232 χ^2/NDF: 139099.3/46



Right In: -623.599+/-429.775 χ^2/NDF: 24.1/19

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -987.392+/-379.279 χ^2/NDF: 12.6/23

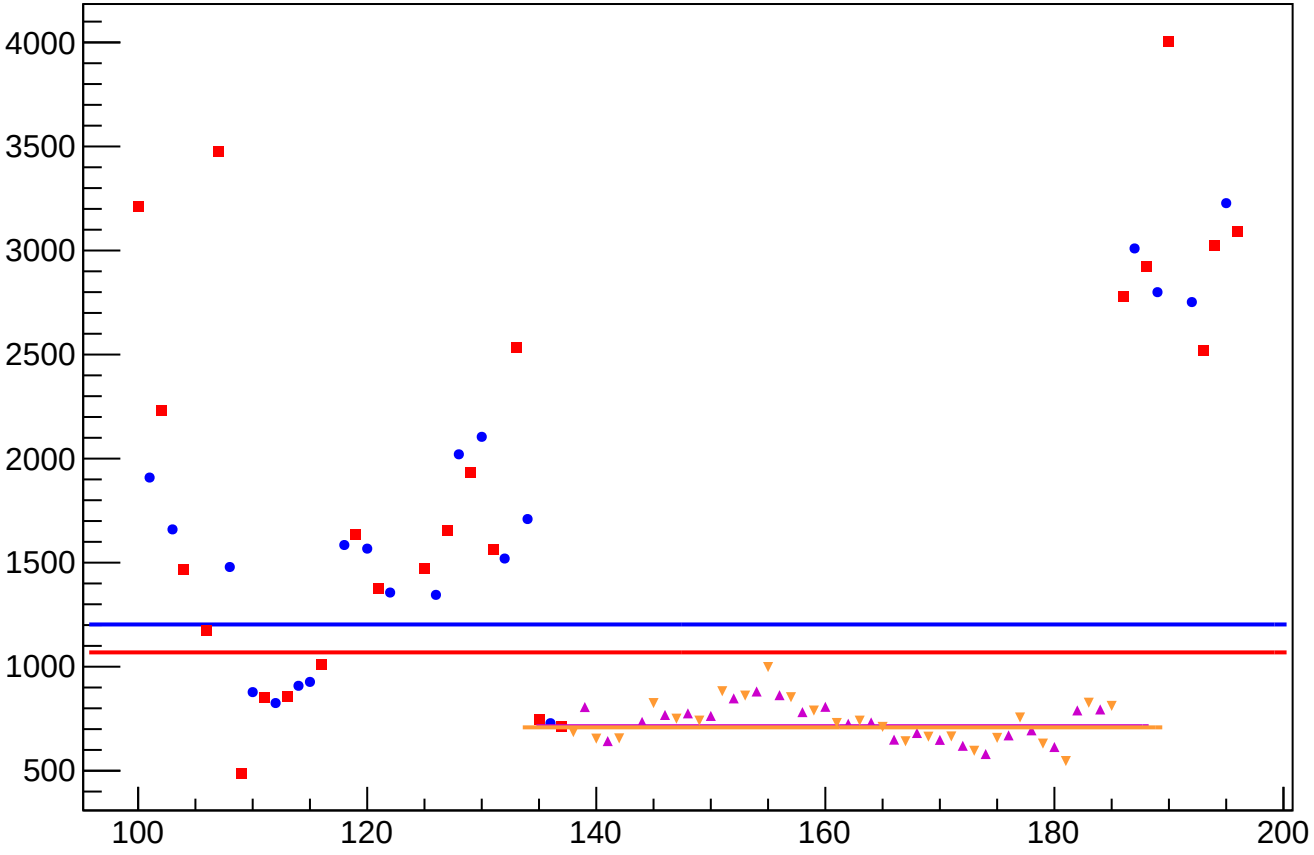
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -638.755+/-155.215 χ^2/NDF: 90.8/43

All: -495.709+/-109.268 χ^2/NDF: 128.4/90

- sign -355.167+/-153.850 χ^2/NDF: 35.9/46

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1202.975+/-0.304 χ^2/NDF: 3751537.6/19

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1068.742+/-0.268 χ^2/NDF: 6705064.9/23

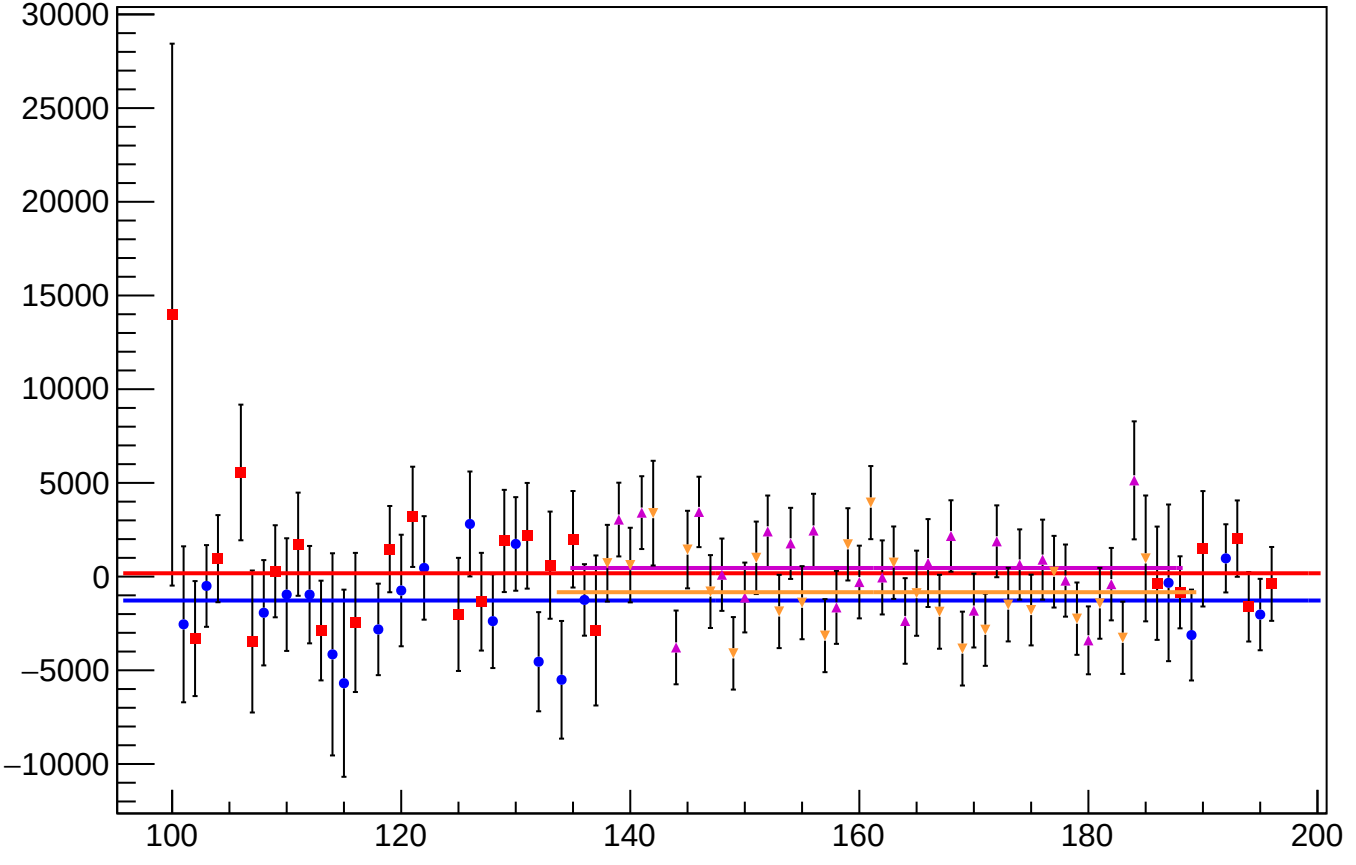
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 772.998+/-0.110 χ^2/NDF: 6754172.9/43

All: 772.749+/-0.077 χ^2/NDF: 15416874.1/90

- sign 772.505+/-0.109 χ^2/NDF: 8662691.0/46

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1276.413+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 177.759+/-541.563 χ^2/NDF: 14.4/23

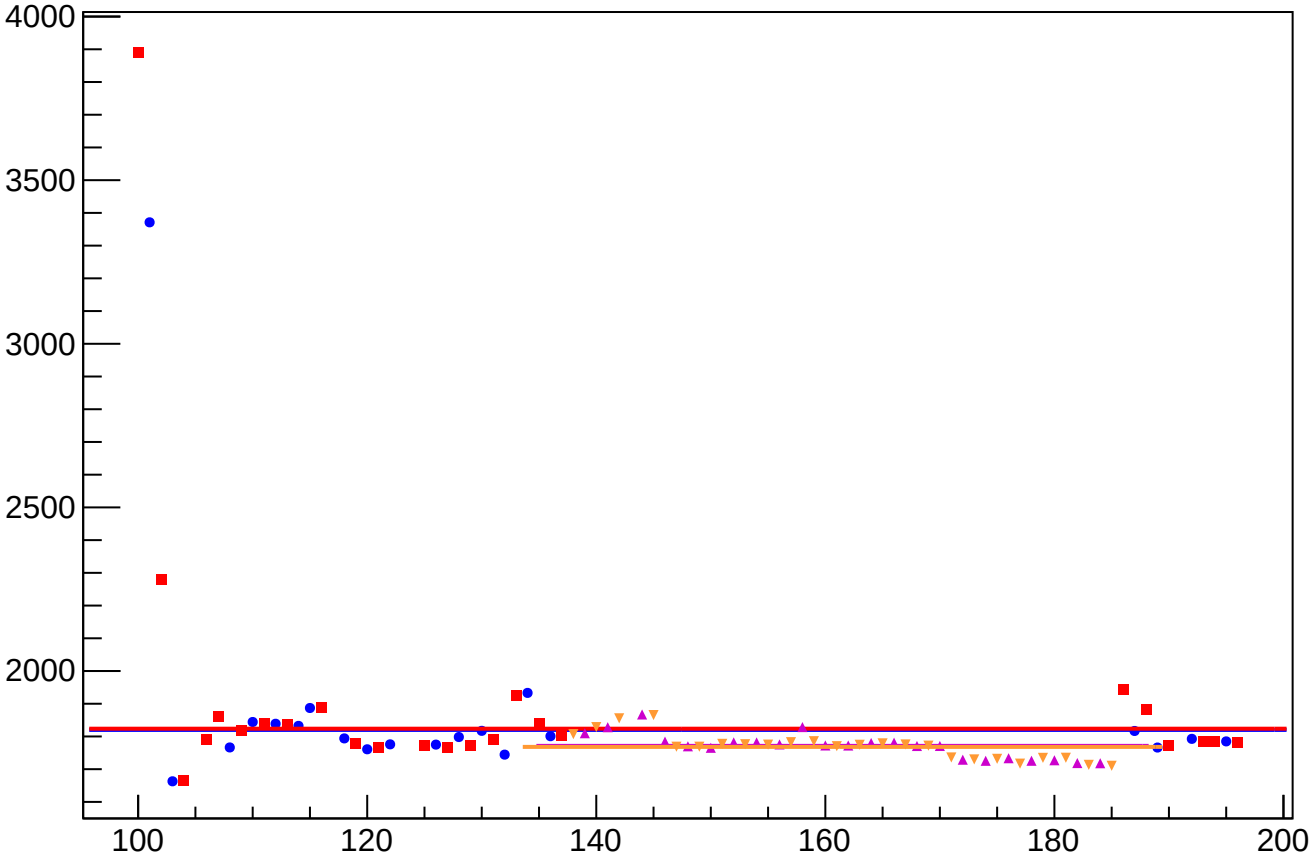
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -978.563+/-336.199 χ^2/NDF: 37.4/43

All: -296.415+/-235.041 χ^2/NDF: 87.3/90

- sign 355.731+/-328.722 χ^2/NDF: 41.8/46

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1820.002+/-0.414 χ^2/NDF: 298264.4/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

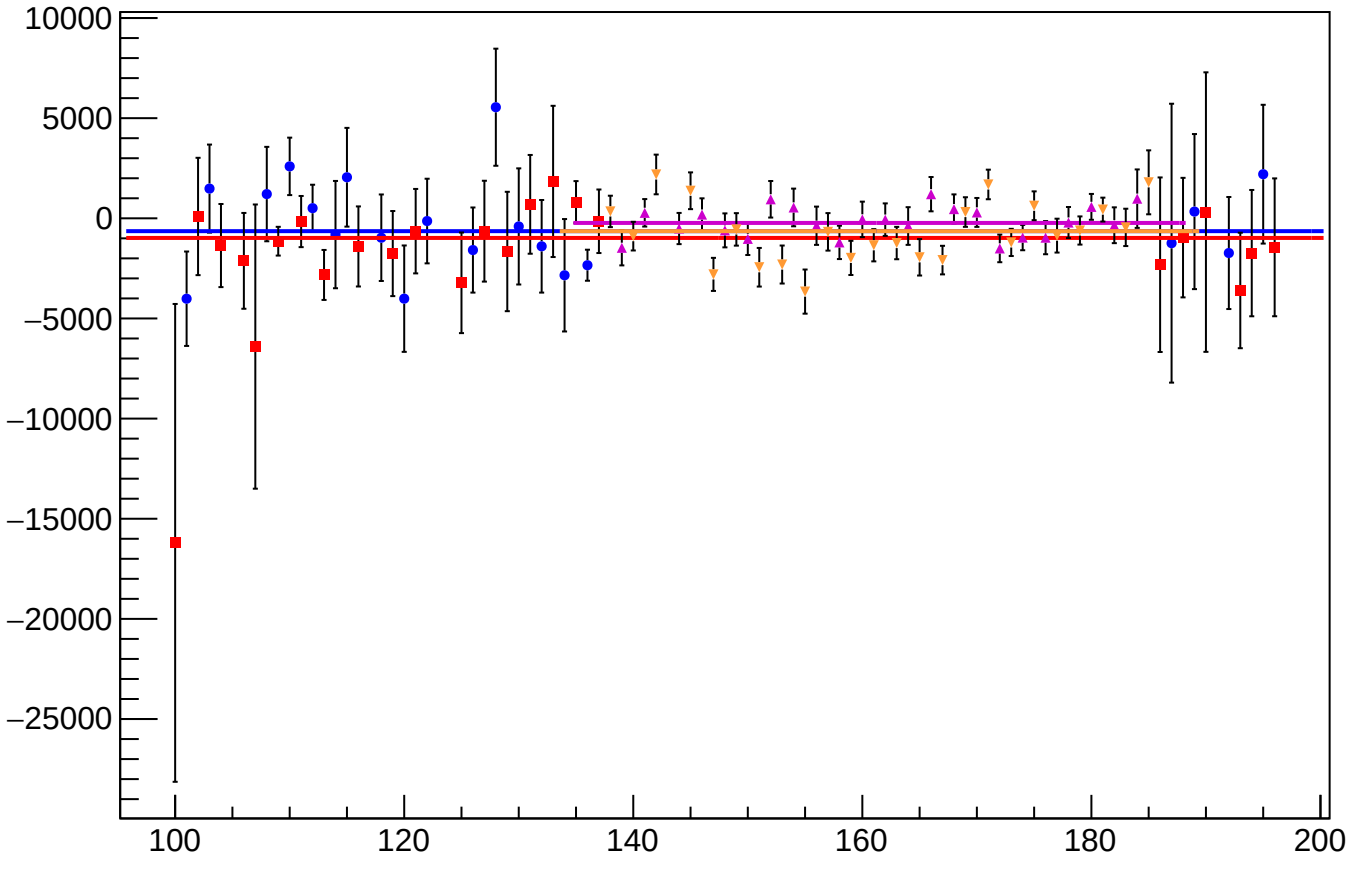
Right Out: 1823.718+/-0.383 χ^2/NDF: 110551.1/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325136.0/43

All: 1787.939+/-0.166 χ^2/NDF: 464243.9/90

- sign 1790.561+/-0.232 χ^2/NDF: 138847.7/46



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

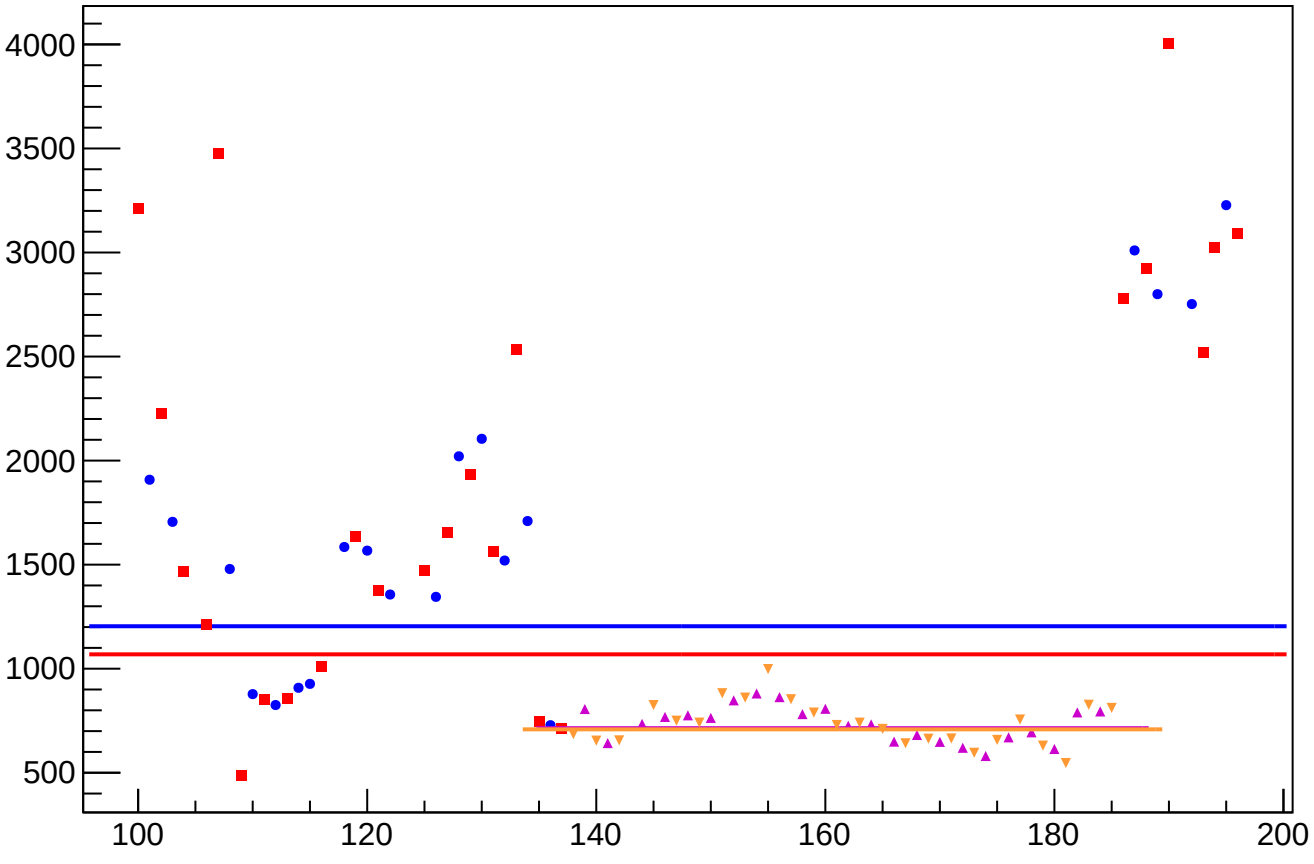
Right Out: -979.666+/-380.527 χ^2/NDF: 11.6/23

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -641.019+/-155.232 χ^2/NDF: 90.3/43

All: -495.878+/-109.304 χ^2/NDF: 126.8/90

- sign -353.155+/-153.933 χ^2/NDF: 34.8/46



Right In: 1204.002+/-0.304 χ^2/NDF: 3765794.9/19

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1068.985+/-0.269 χ^2/NDF: 6706192.5/23

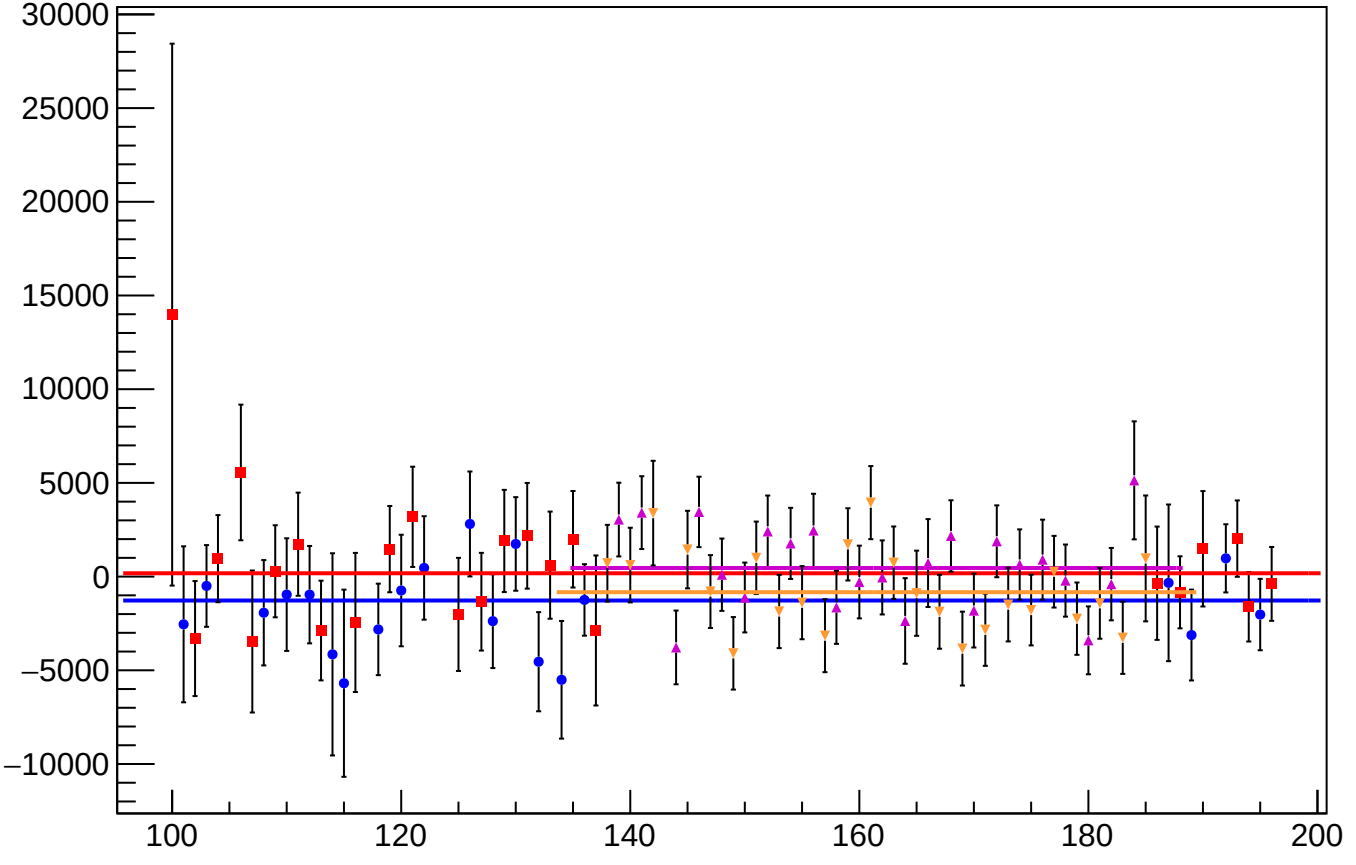
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 773.049+/-0.110 χ^2/NDF: 6774737.5/43

All: 772.636+/-0.077 χ^2/NDF: 15432529.7/90

- sign 772.231+/-0.109 χ^2/NDF: 8657764.2/46

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1276.413+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 177.759+/-541.563 χ^2/NDF: 14.4/23

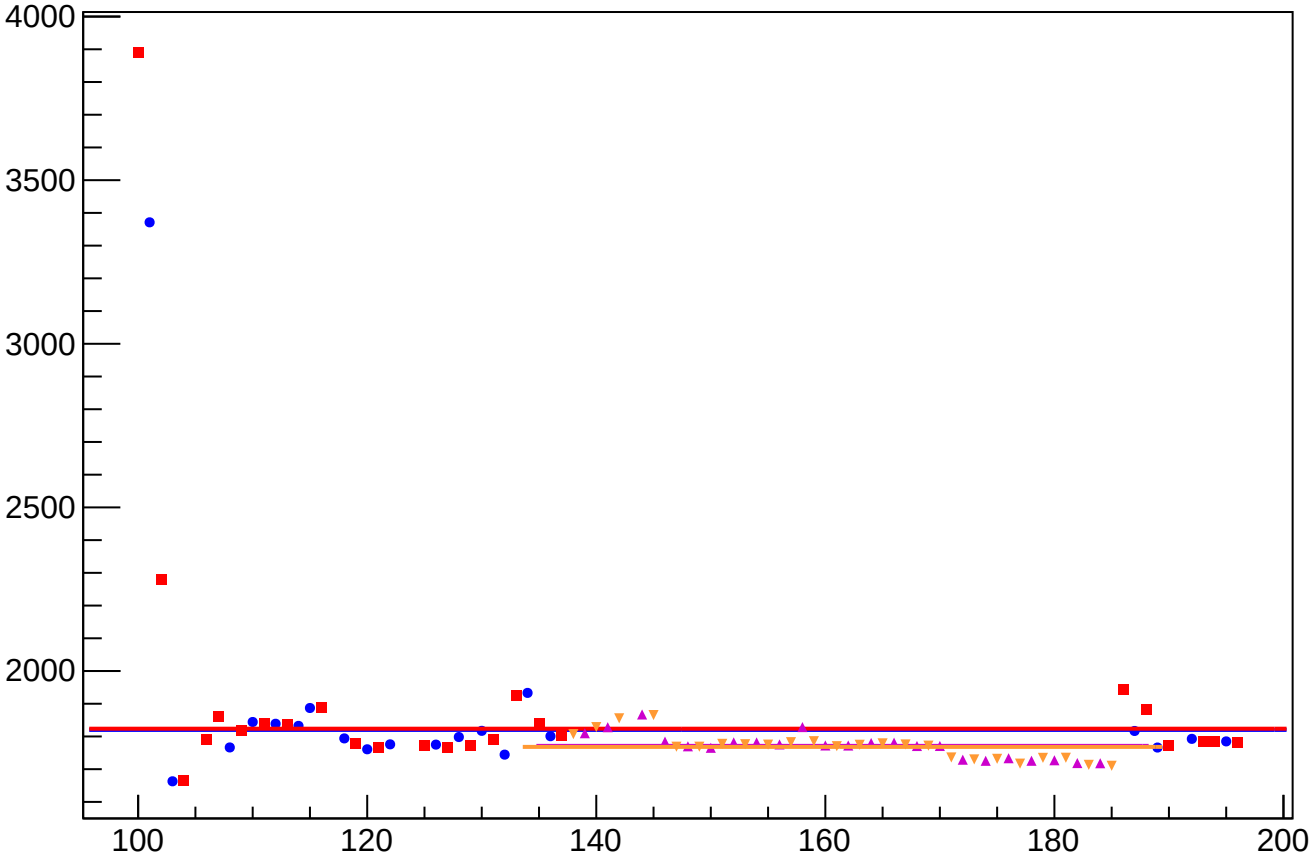
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -978.563+/-336.199 χ^2/NDF: 37.4/43

All: -296.415+/-235.041 χ^2/NDF: 87.3/90

- sign 355.731+/-328.722 χ^2/NDF: 41.8/46

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1820.002+/-0.414 χ^2/NDF: 298264.4/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

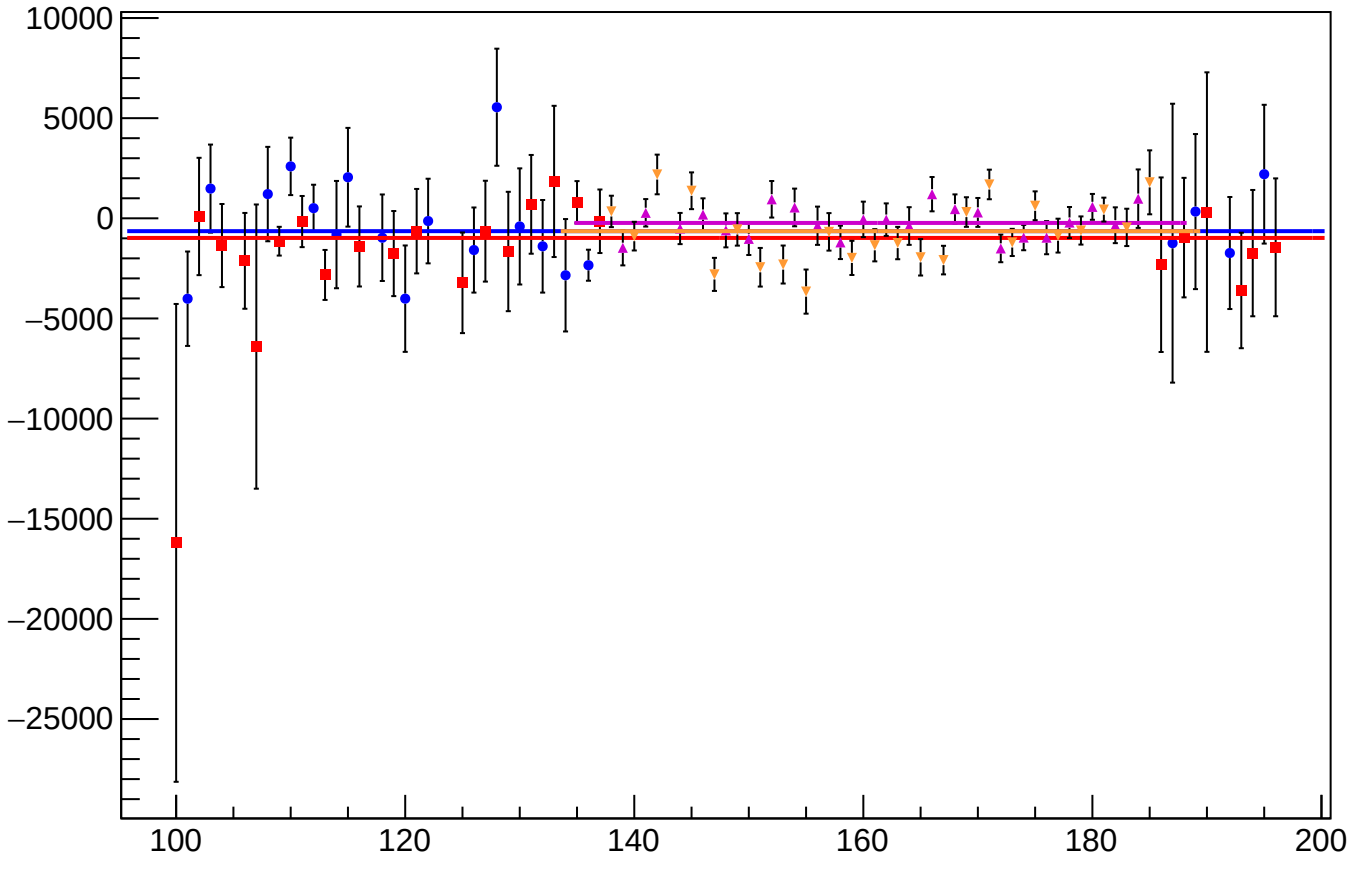
Right Out: 1823.718+/-0.383 χ^2/NDF: 110551.1/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325136.0/43

All: 1787.939+/-0.166 χ^2/NDF: 464243.9/90

- sign 1790.561+/-0.232 χ^2/NDF: 138847.7/46



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

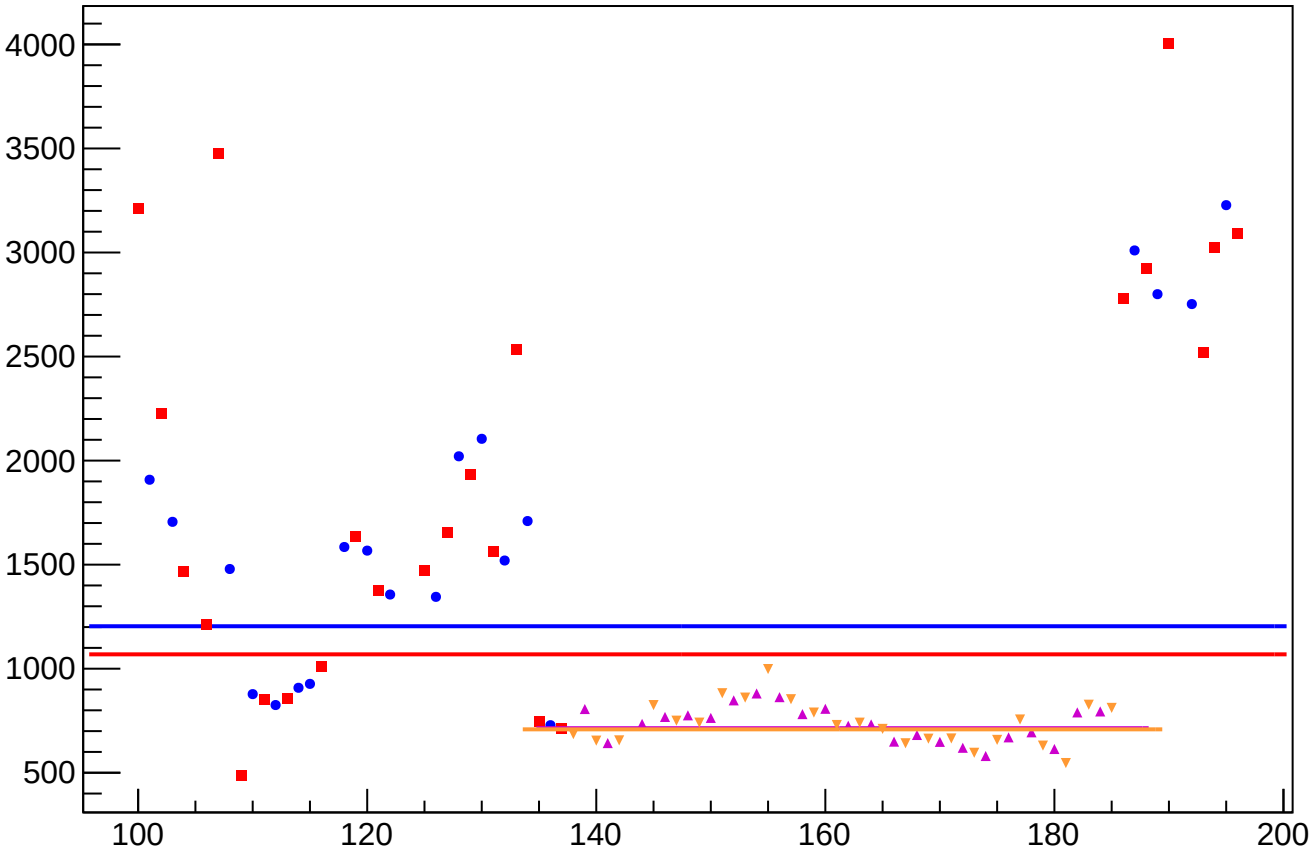
Right Out: -979.666+/-380.527 χ^2/NDF: 11.6/23

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -641.019+/-155.232 χ^2/NDF: 90.3/43

All: -495.878+/-109.304 χ^2/NDF: 126.8/90

- sign -353.155+/-153.933 χ^2/NDF: 34.8/46



Right In: 1204.002+/-0.304 χ^2/NDF: 3765794.9/19

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1068.985+/-0.269 χ^2/NDF: 6706192.5/23

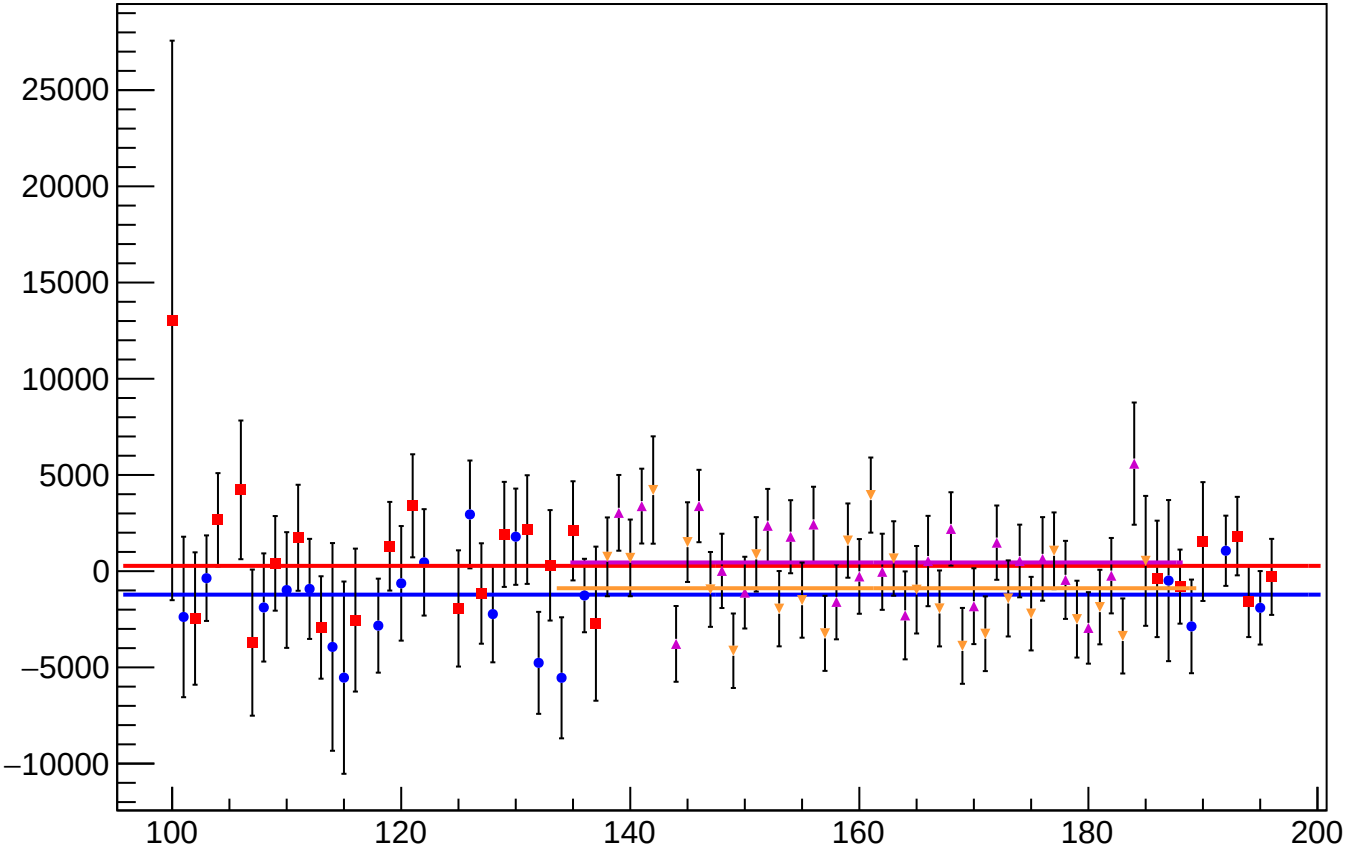
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 773.049+/-0.110 χ^2/NDF: 6774737.5/43

All: 772.636+/-0.077 χ^2/NDF: 15432529.7/90

- sign 772.231+/-0.109 χ^2/NDF: 8657764.2/46

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1219.809+/-587.708 χ^2/NDF: 11.8/19

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 275.771+/-545.145 χ^2/NDF: 13.4/23

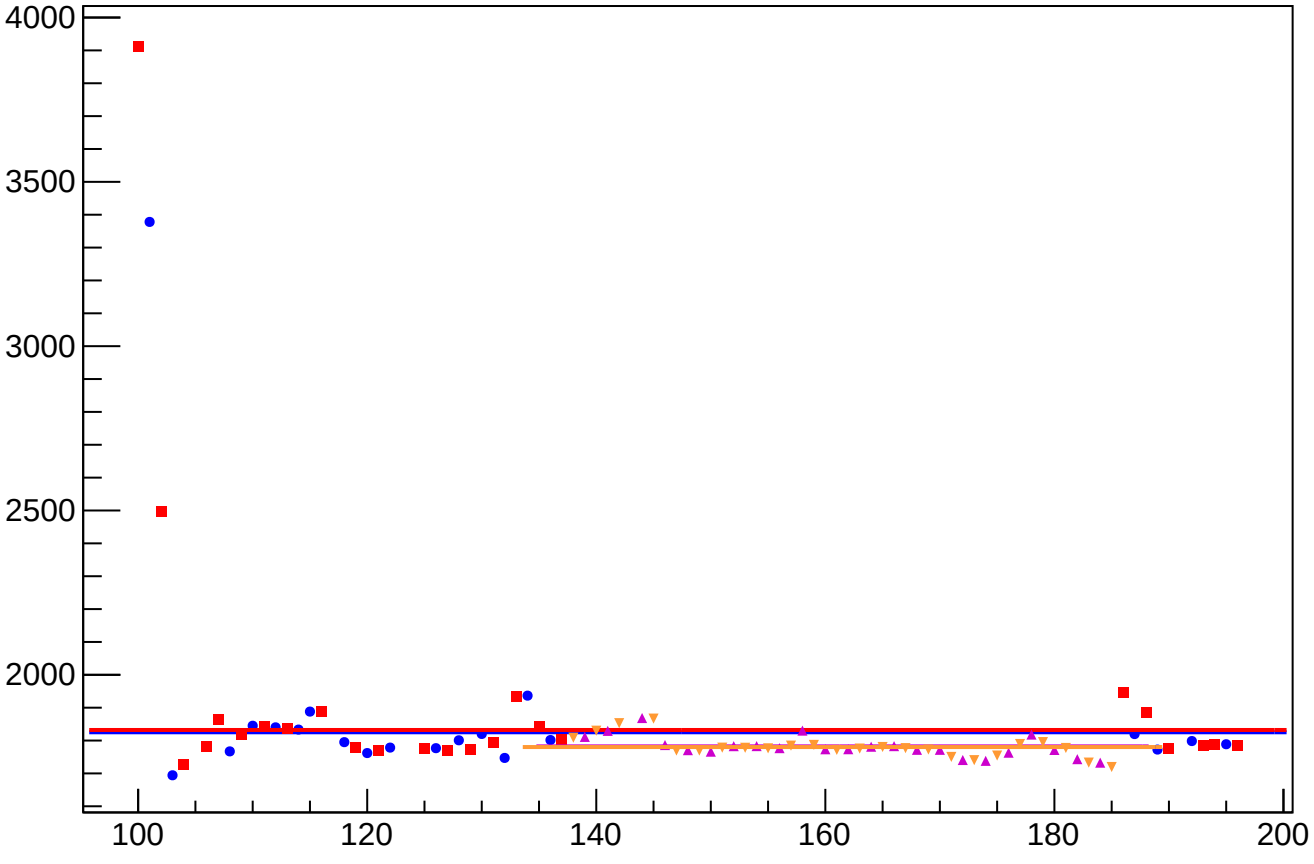
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -996.668+/-338.033 χ^2/NDF: 40.2/43

All: -289.439+/-236.430 χ^2/NDF: 88.0/90

- sign 387.887+/-330.810 χ^2/NDF: 39.3/46

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1825.172+/-0.416 χ^2/NDF: 294784.5/19

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

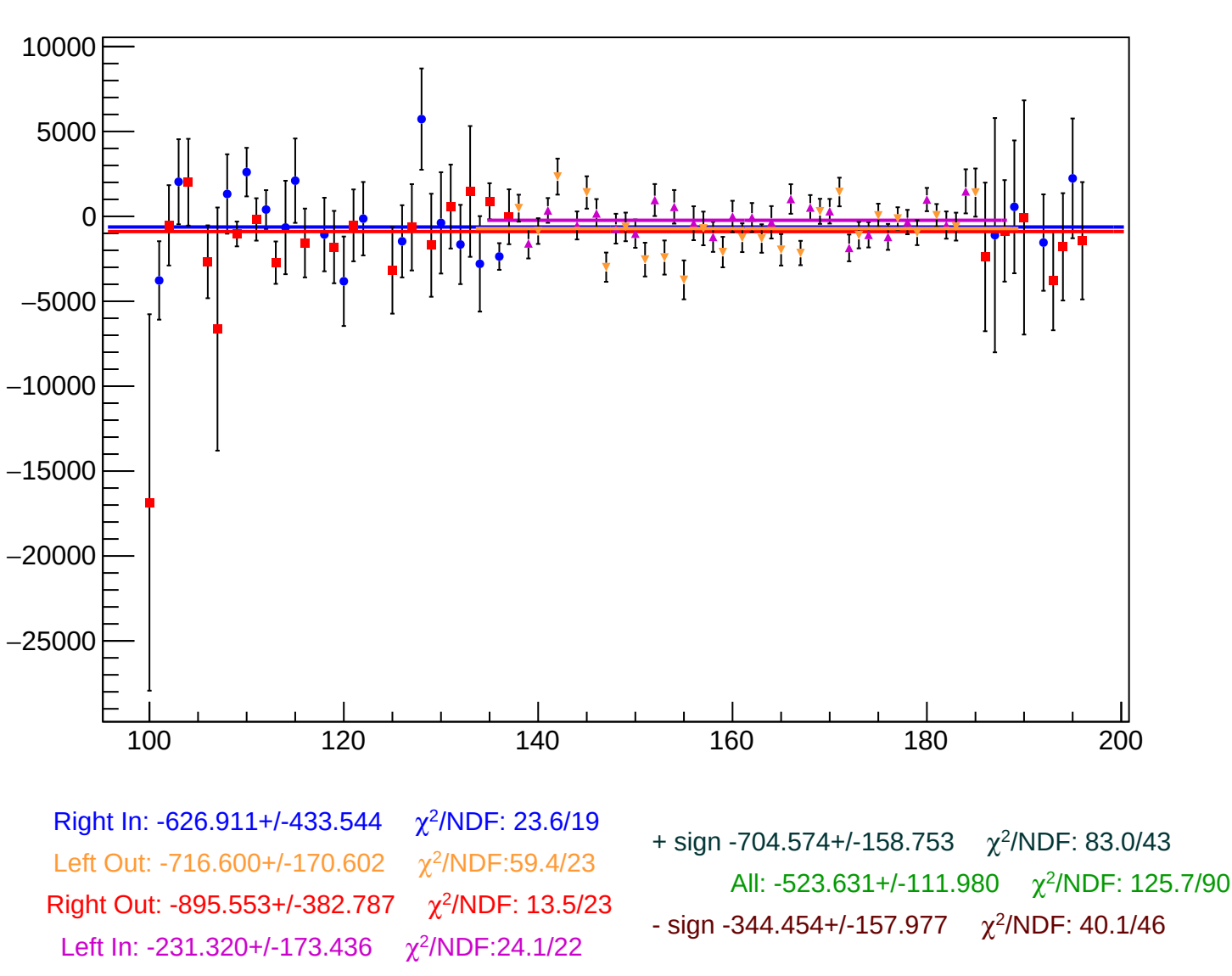
Right Out: 1832.151+/-0.385 χ^2/NDF: 136748.1/23

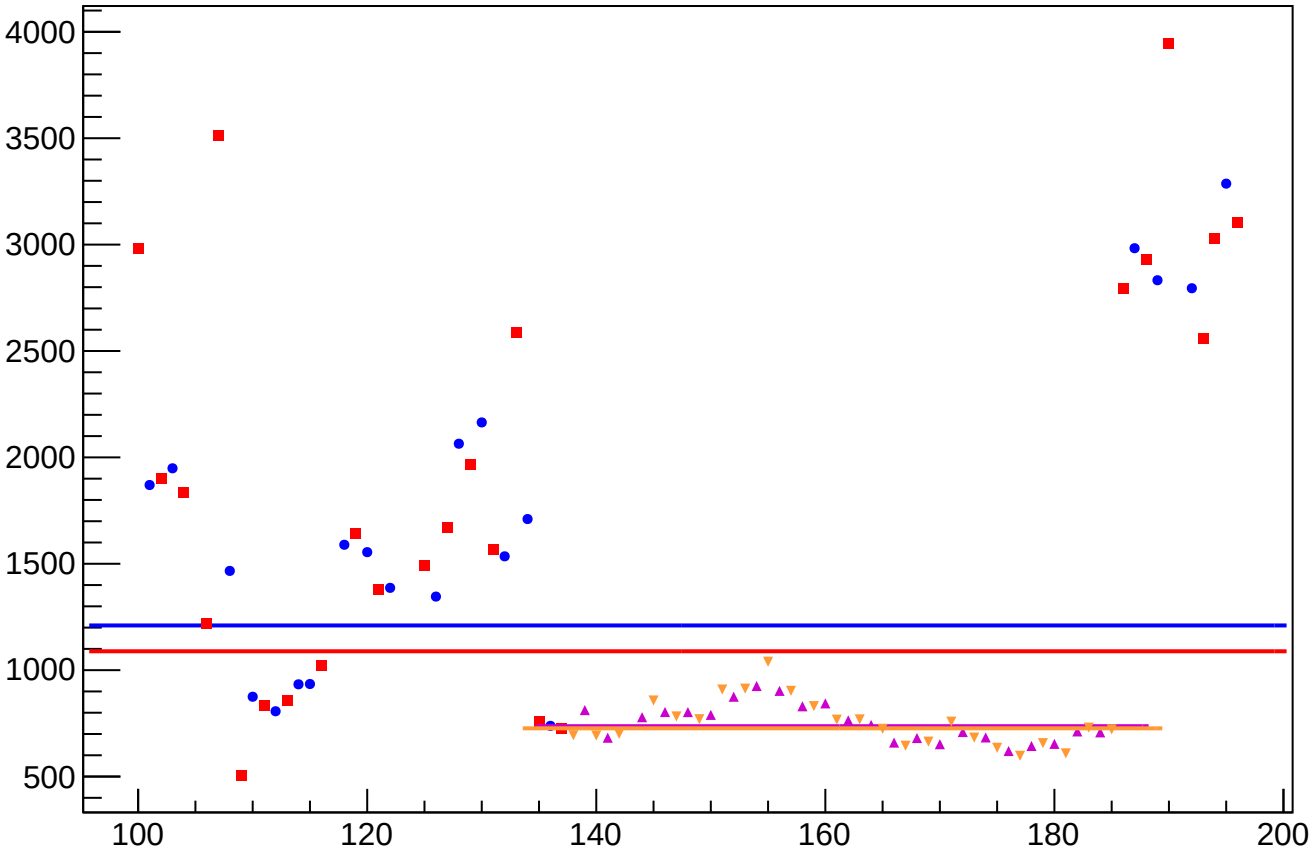
Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.091+/-0.239 χ^2/NDF: 312994.3/43

All: 1797.934+/-0.167 χ^2/NDF: 471818.1/90

- sign 1800.656+/-0.234 χ^2/NDF: 158547.0/46


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -626.911+/-433.544 χ²/NDF: 23.6/19
Left Out: -716.600+/-170.602 χ²/NDF:59.4/23
Right Out: -895.553+/-382.787 χ²/NDF: 13.5/23
Left In: -231.320+/-173.436 χ²/NDF:24.1/22
+ sign -704.574+/-158.753 χ²/NDF: 83.0/43
All: -523.631+/-111.980 χ²/NDF: 125.7/90
- sign -344.454+/-157.977 χ²/NDF: 40.1/46



Right In: 1210.140+/-0.307 χ^2/NDF: 3868240.5/19

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

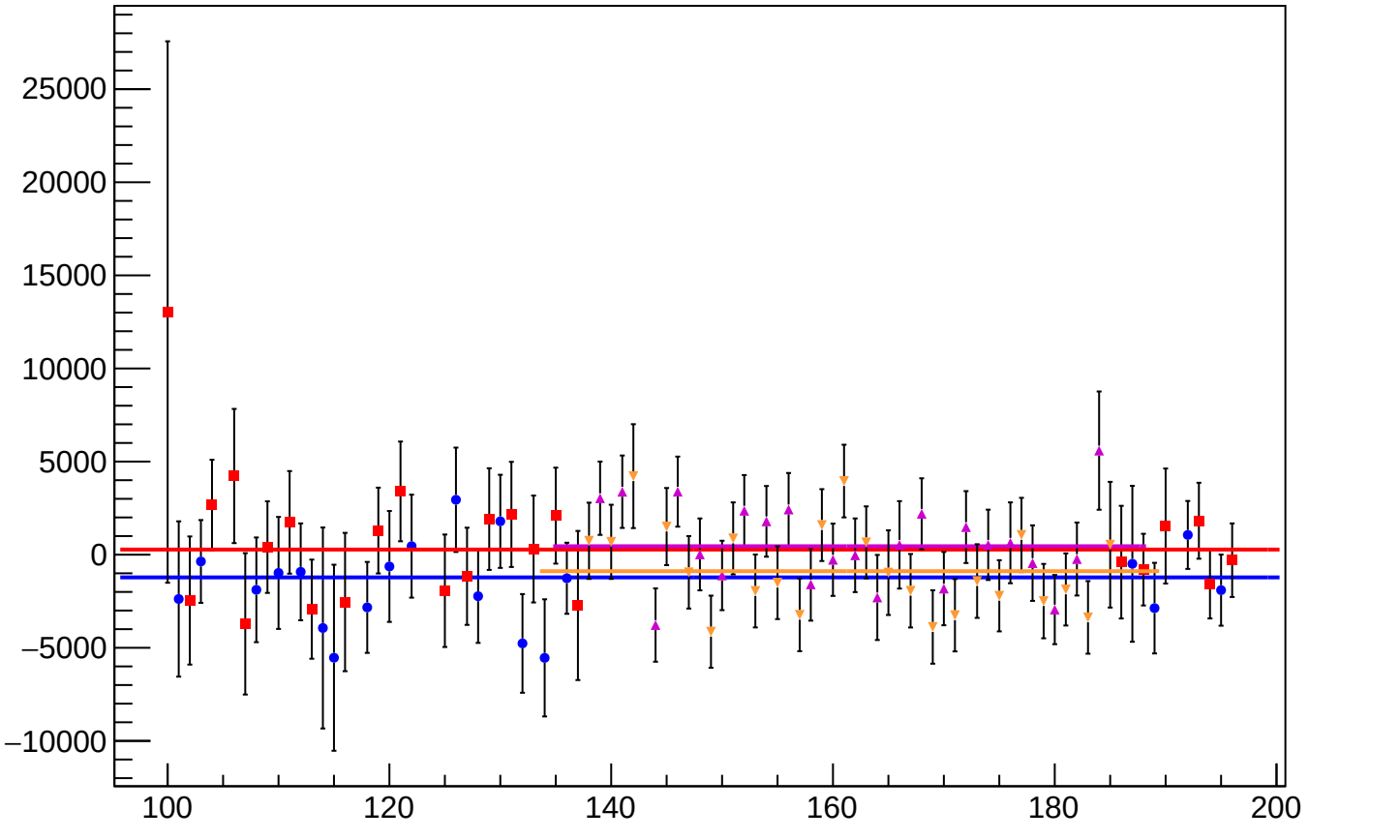
Right Out: 1088.779+/-0.271 χ^2/NDF: 6644933.1/23

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 791.439+/-0.112 χ^2/NDF: 6707272.0/43

All: 794.070+/-0.079 χ^2/NDF: 15222066.9/90

- sign 796.675+/-0.112 χ^2/NDF: 8513701.8/46



Right In: -1219.811+/-587.708 χ^2/NDF: 11.8/19

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 275.771+/-545.145 χ^2/NDF: 13.4/23

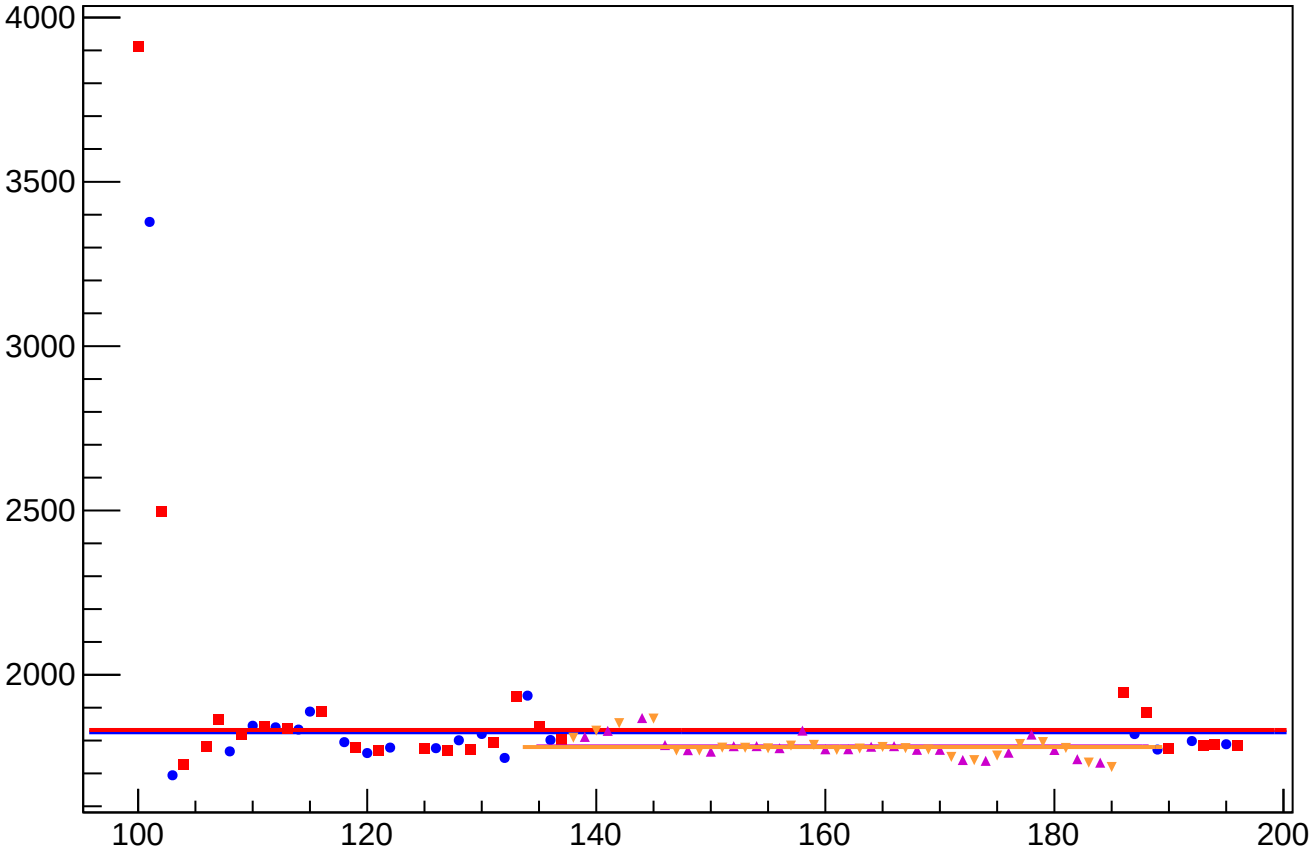
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -996.668+/-338.033 χ^2/NDF: 40.2/43

All: -289.439+/-236.430 χ^2/NDF: 88.0/90

- sign 387.886+/-330.810 χ^2/NDF: 39.3/46

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1825.172+/-0.416 χ^2/NDF: 294784.5/19

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

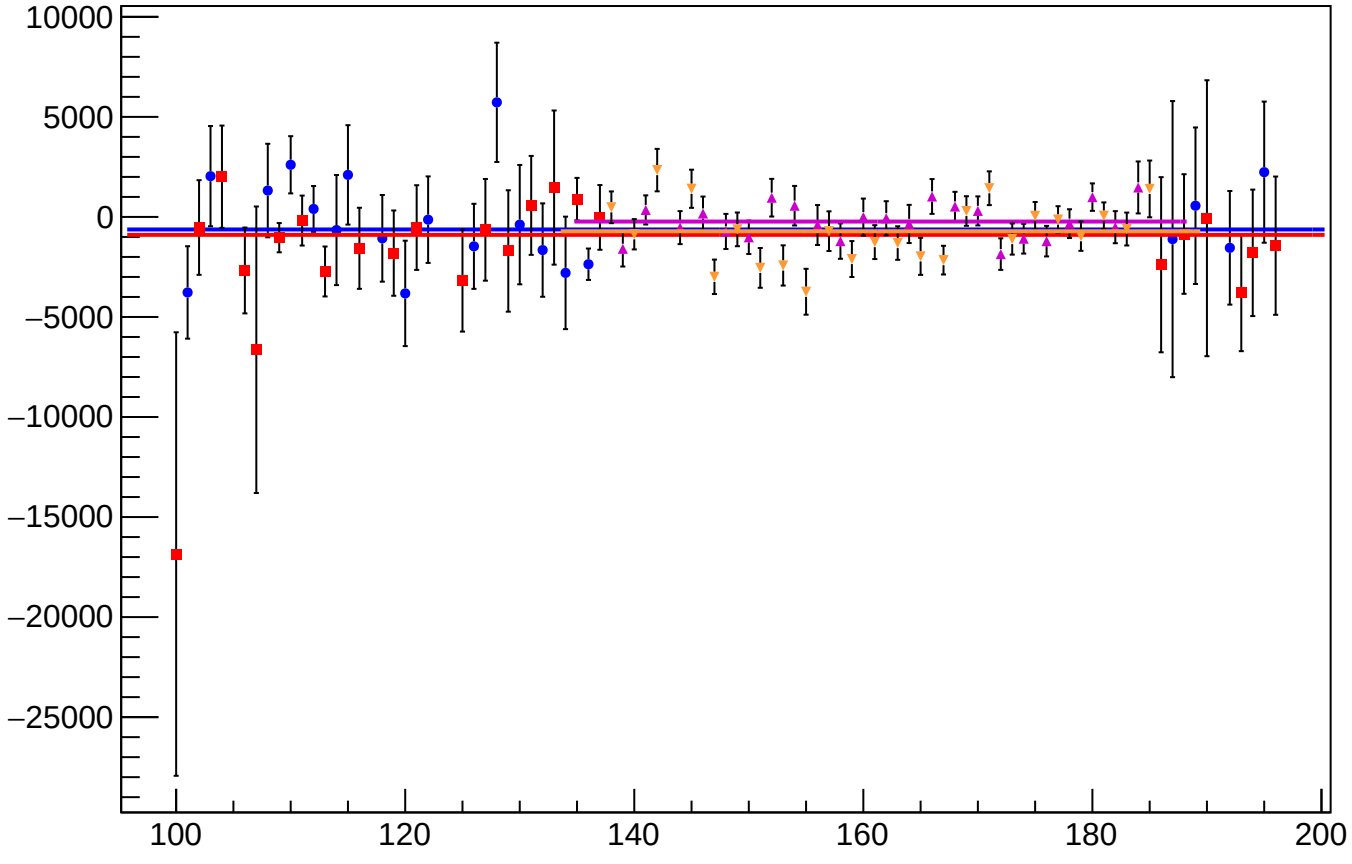
Right Out: 1832.151+/-0.385 χ^2/NDF: 136748.2/23

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.091+/-0.239 χ^2/NDF: 312994.3/43

All: 1797.934+/-0.167 χ^2/NDF: 471818.3/90

- sign 1800.656+/-0.234 χ^2/NDF: 158547.1/46



Right In: -626.899+/-433.545 χ^2/NDF: 23.6/19

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

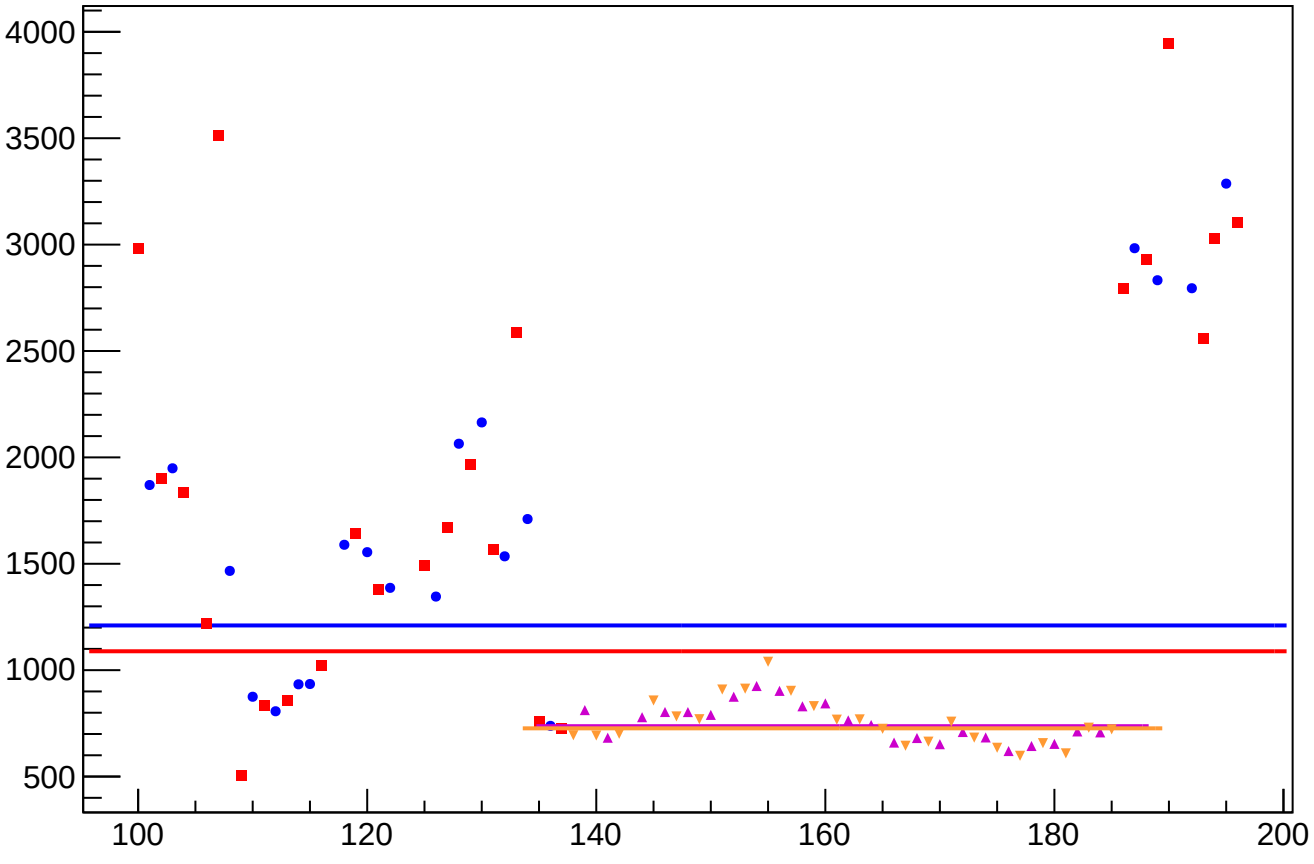
Right Out: -895.559+/-382.788 χ^2/NDF: 13.5/23

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

\+ sign -704.573+/-158.753 χ^2/NDF: 83.0/43

All: -523.630+/-111.980 χ^2/NDF: 125.7/90

\- sign -344.453+/-157.977 χ^2/NDF: 40.1/46



Right In: 1210.143+/-0.307 χ^2/NDF: 3868192.6/19

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1088.782+/-0.271 χ^2/NDF: 6644894.1/23

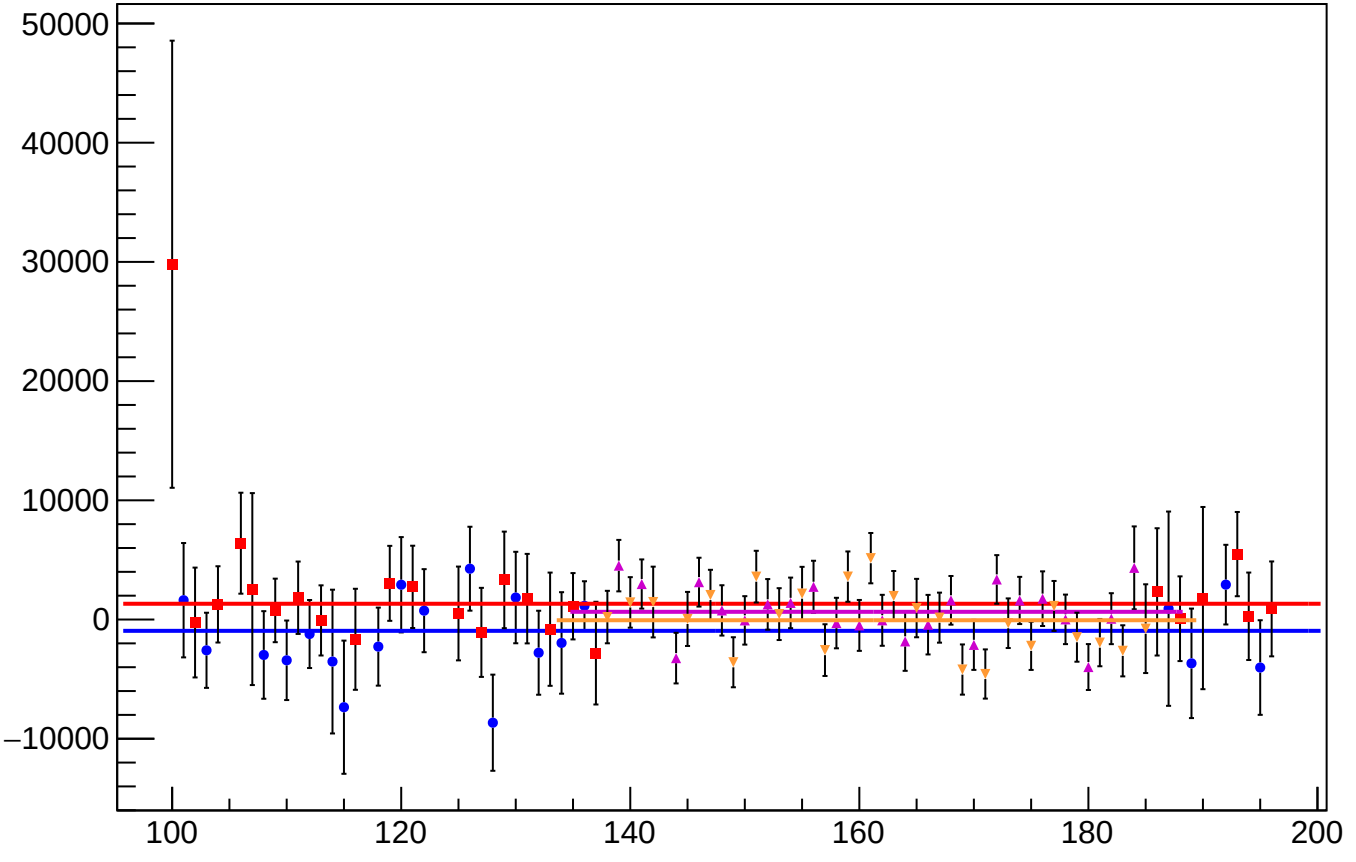
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 791.440+/-0.112 χ^2/NDF: 6707240.7/43

All: 794.070+/-0.079 χ^2/NDF: 15222030.6/90

- sign 796.674+/-0.112 χ^2/NDF: 8513697.2/46

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -949.023+/-809.734 χ^2/NDF: 14.3/19

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1322.513+/-774.109 χ^2/NDF: 8.6/23

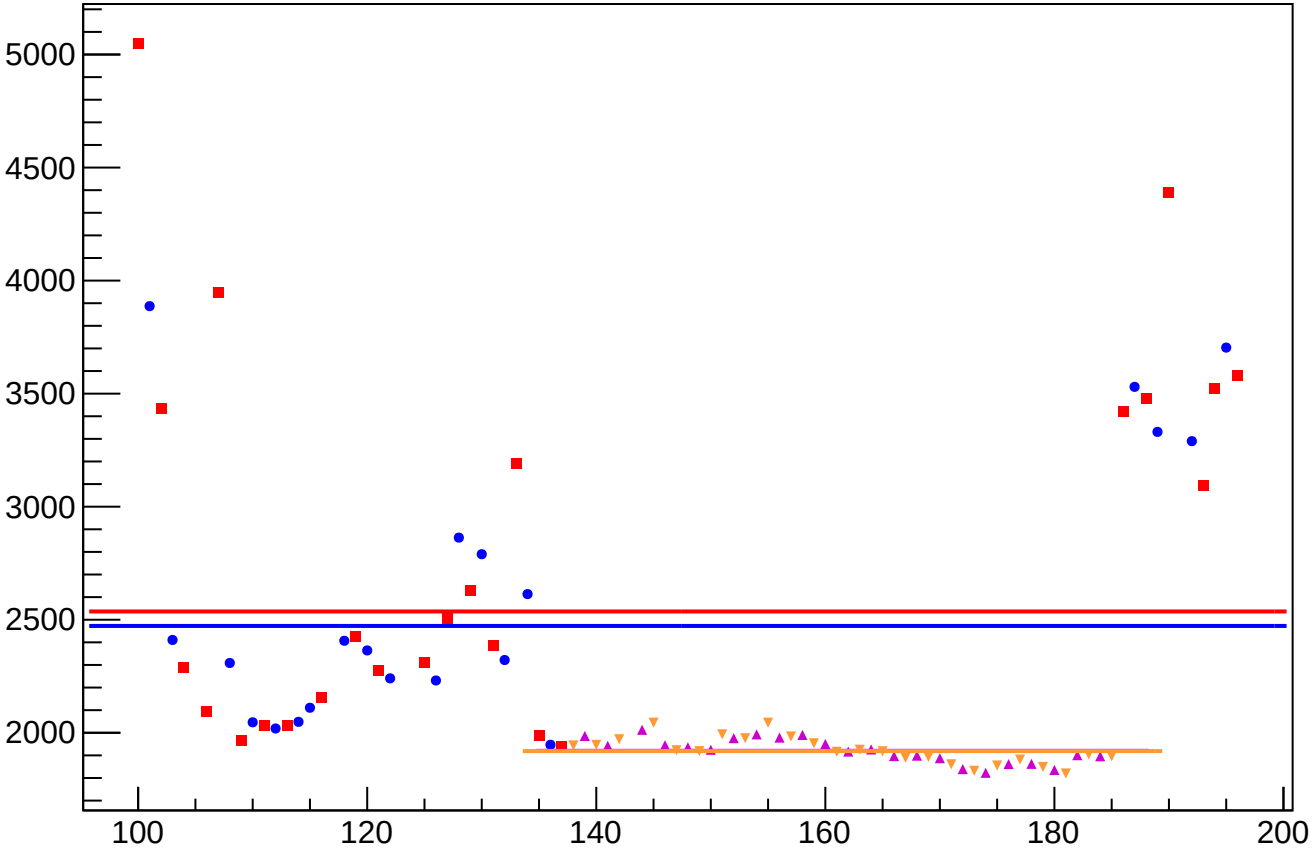
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -266.332+/-390.392 χ^2/NDF: 48.3/43

All: 278.389+/-275.234 χ^2/NDF: 85.0/90

- sign 816.721+/-388.096 χ^2/NDF: 32.9/46

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2472.583+/-0.573 χ^2/NDF: 884558.8/19

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

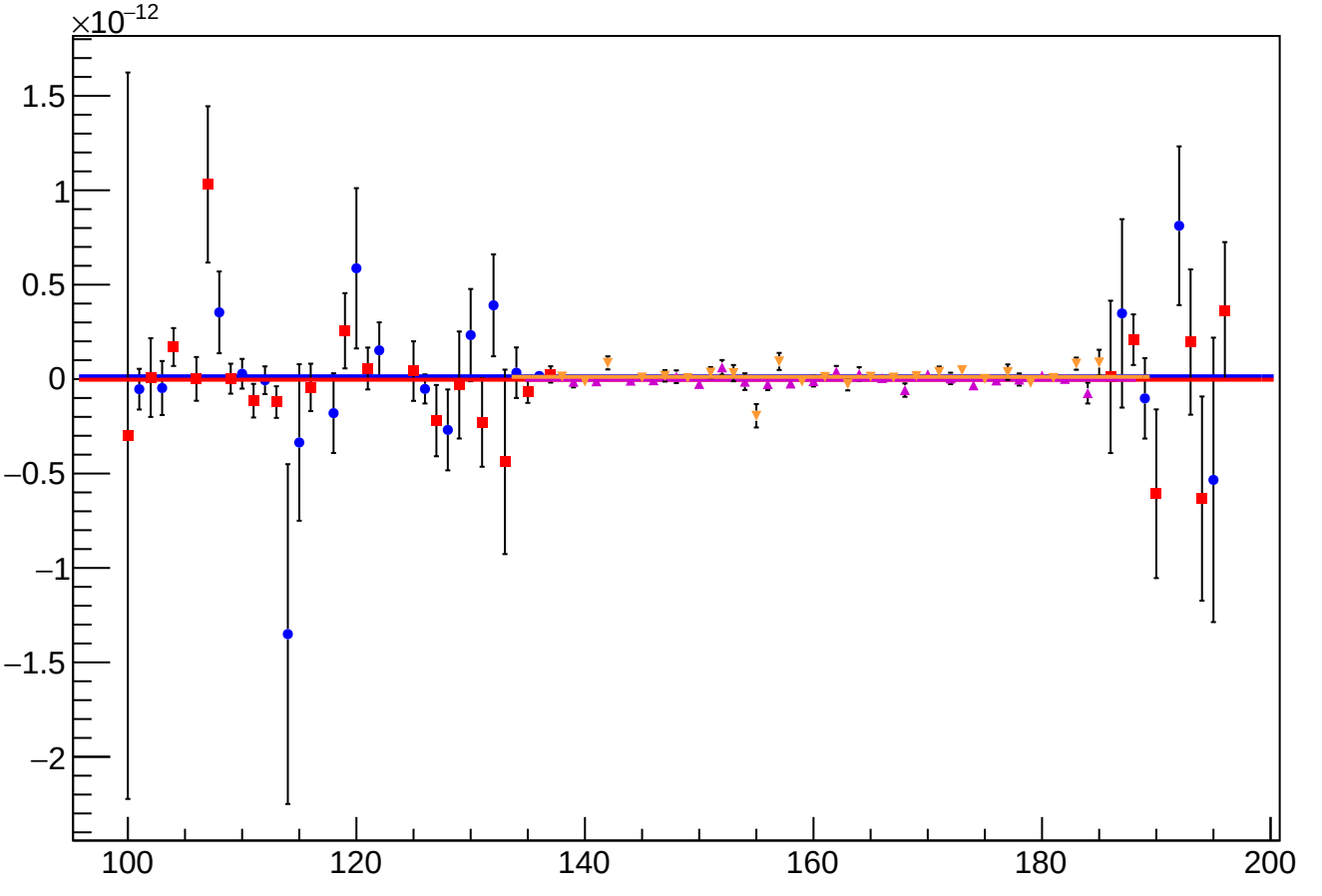
Right Out: 2536.567+/-0.547 χ^2/NDF: 1254282.9/23

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2047.659+/-0.276 χ^2/NDF: 1637699.0/43

All: 2061.478+/-0.195 χ^2/NDF: 3876103.1/90

- sign 2075.135+/-0.274 χ^2/NDF: 2233421.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

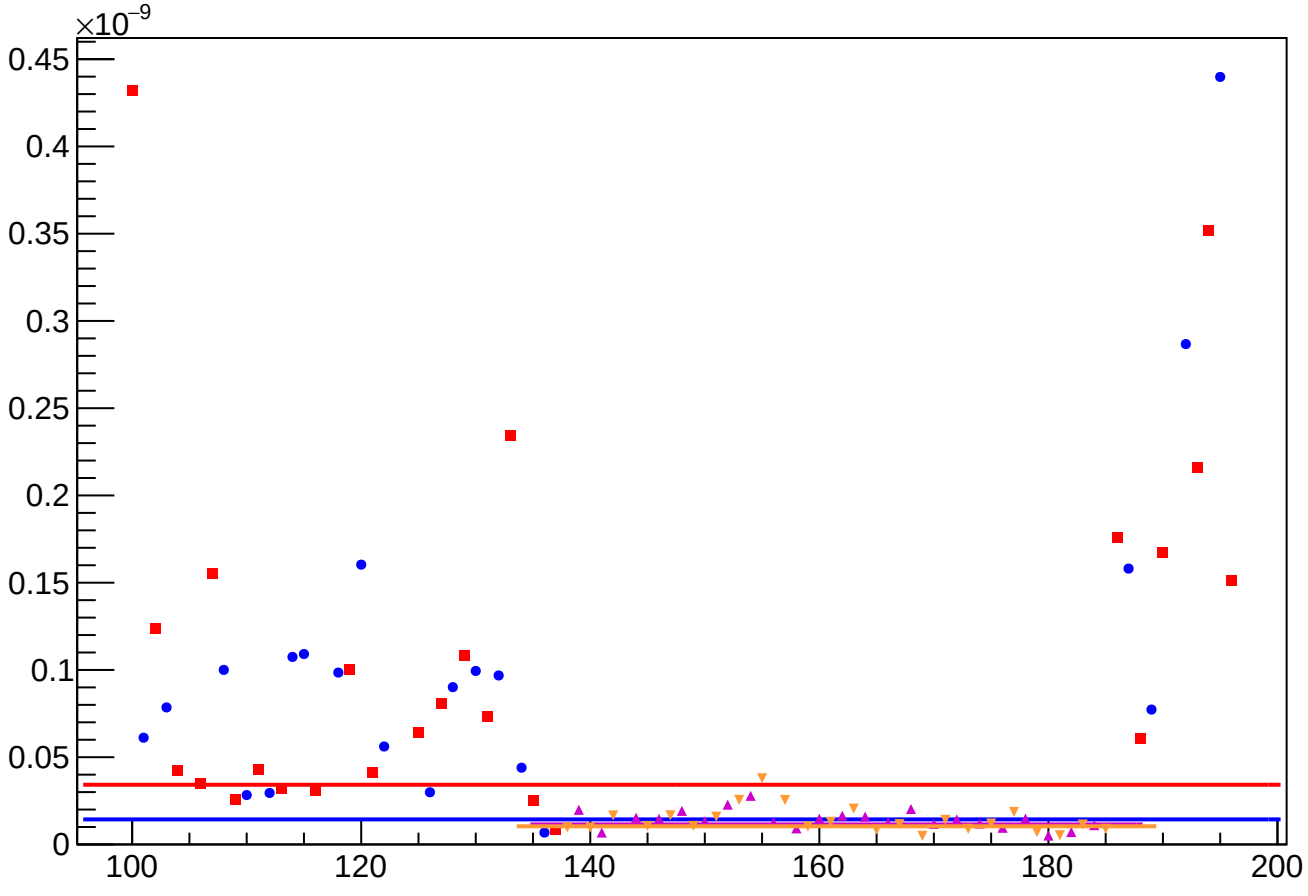
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/23

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/43

All: 0.000+/-0.000 χ^2/NDF: 109.3/90

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



Right In: 0.000+/-0.000 χ^2/NDF: 5242391.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

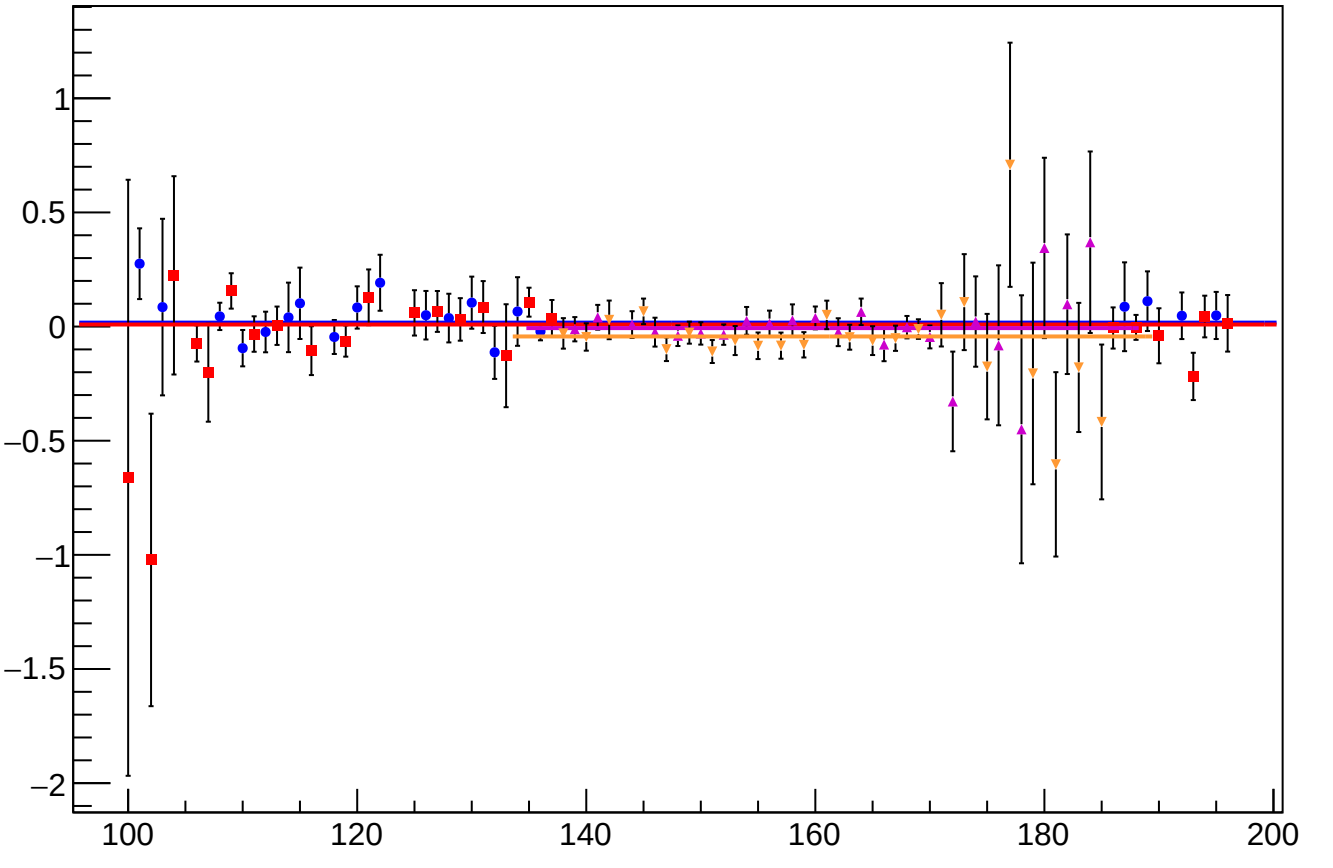
Right Out: 0.000+/-0.000 χ^2/NDF: 4241808.3/23

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7461246.4/43

All: 0.000+/-0.000 χ^2/NDF: 15507839.7/90

- sign 0.000+/-0.000 χ^2/NDF: 7925061.7/46



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

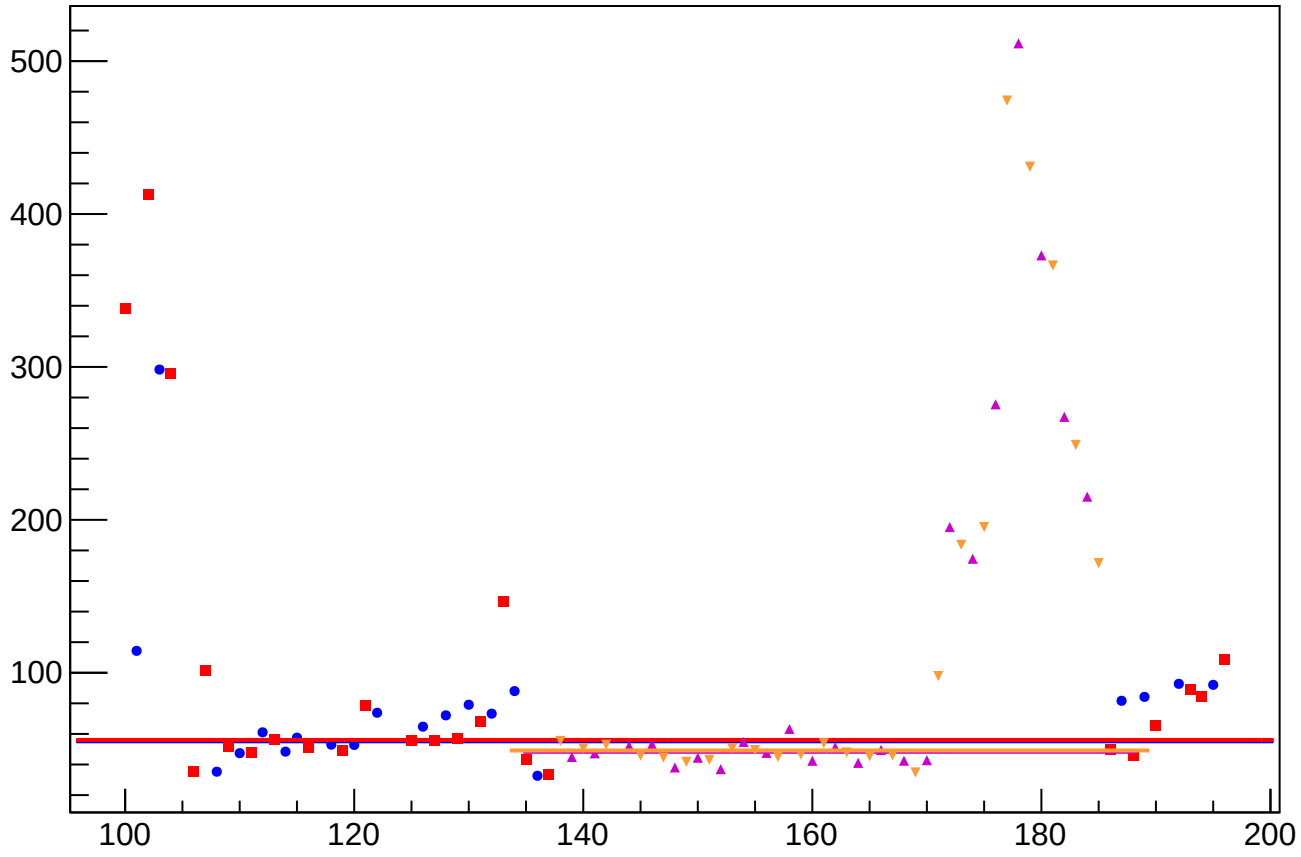
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.012+/-0.008 χ^2/NDF: 72.8/90

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

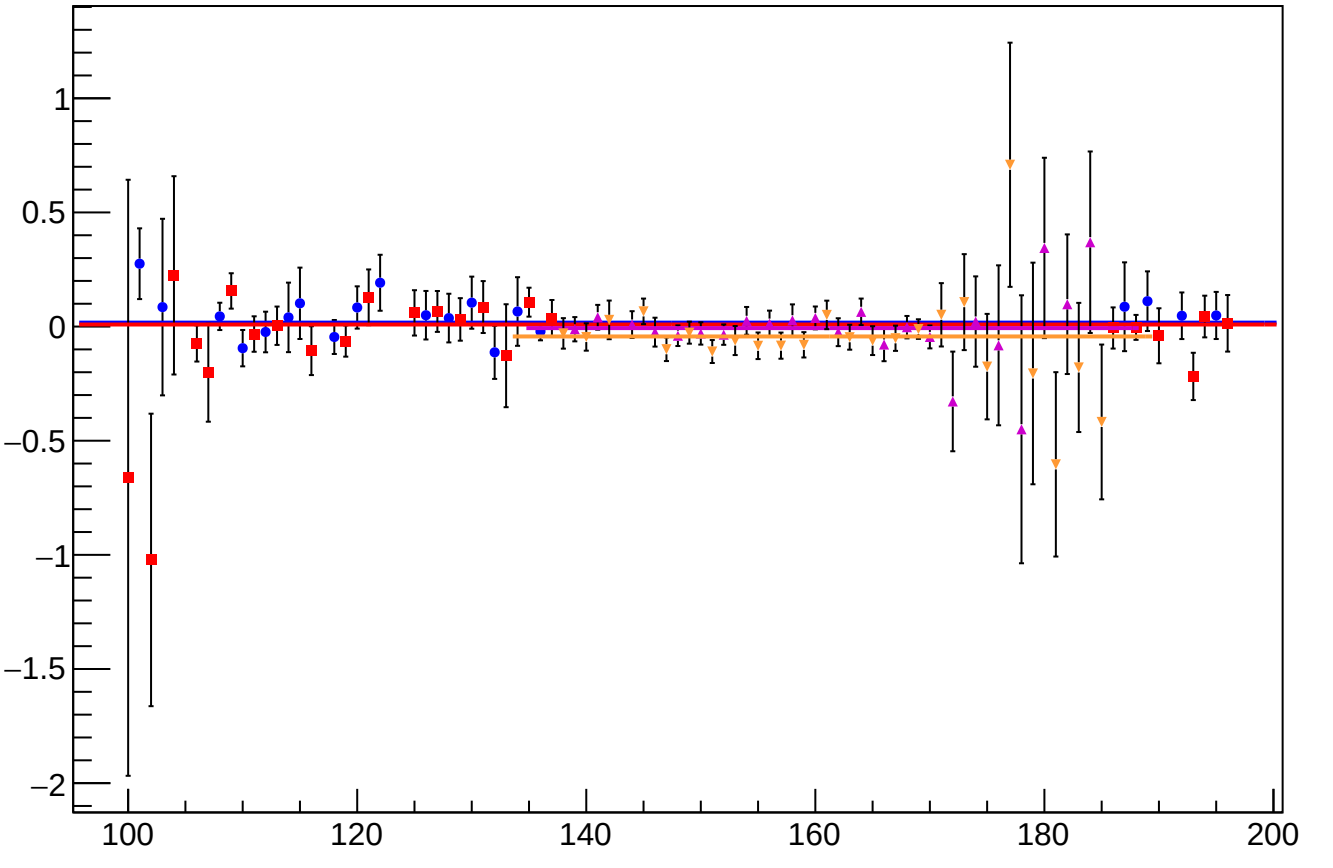
Right Out: 56.076+/-0.014 χ^2/NDF: 3106208.4/23

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 51.062+/-0.008 χ^2/NDF: 10382049.0/43

All: 50.957+/-0.006 χ^2/NDF: 20746194.7/90

\- sign 50.860+/-0.008 χ^2/NDF: 10363826.9/46



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

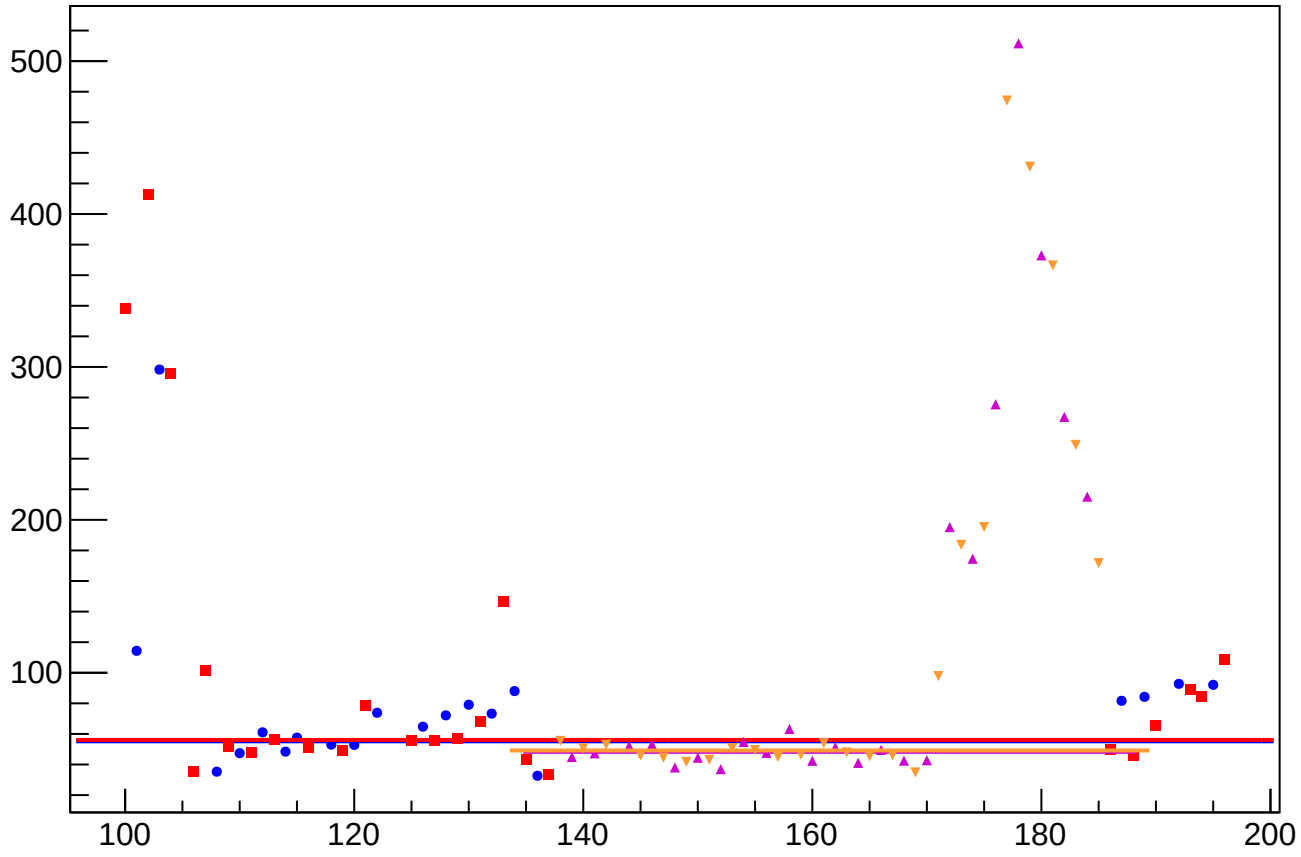
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.012+/-0.008 χ^2/NDF: 72.8/90

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

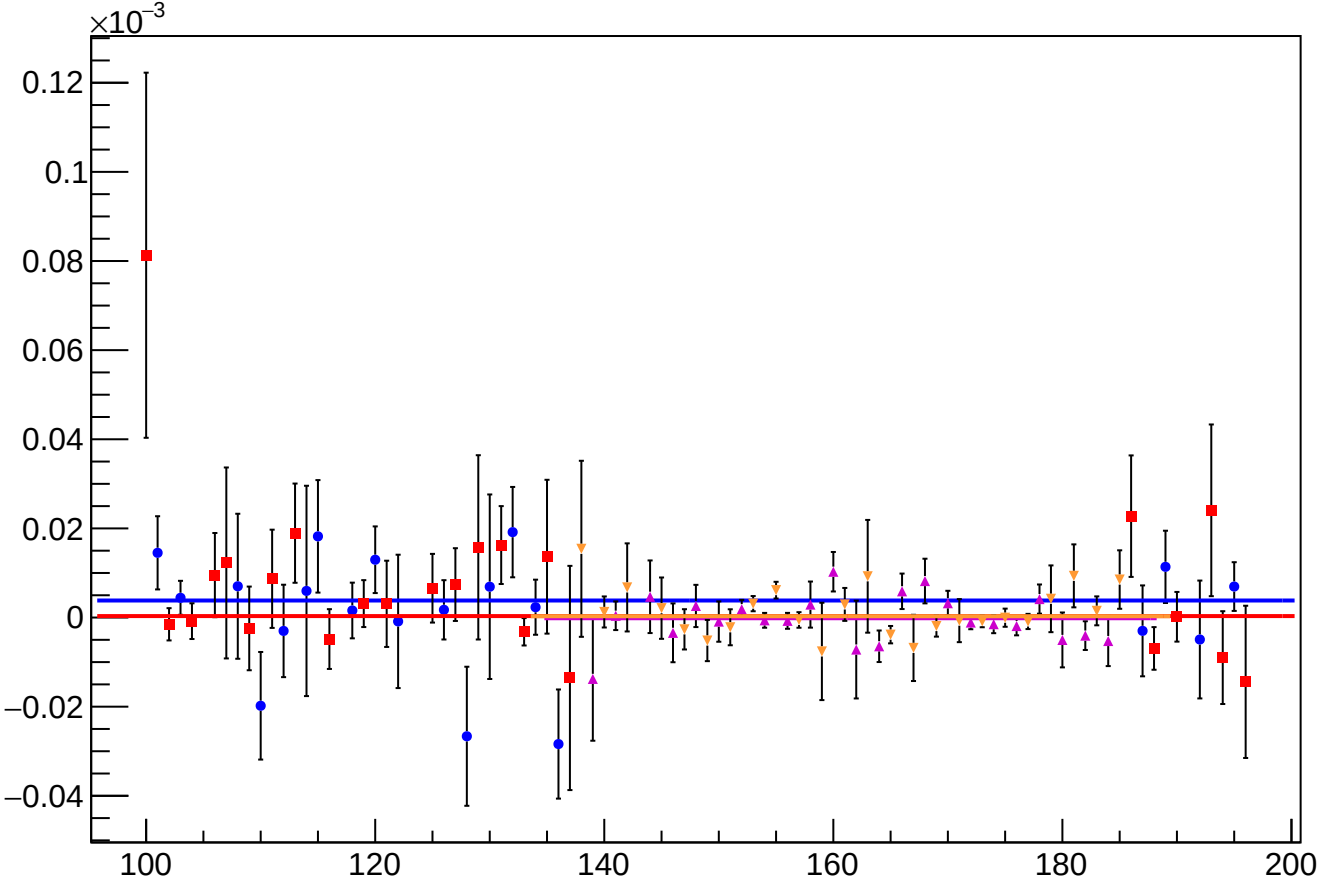
Right Out: 56.076+/-0.014 χ^2/NDF: 3106208.4/23

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 51.062+/-0.008 χ^2/NDF: 10382049.0/43

All: 50.957+/-0.006 χ^2/NDF: 20746194.7/90

- sign 50.860+/-0.008 χ^2/NDF: 10363826.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

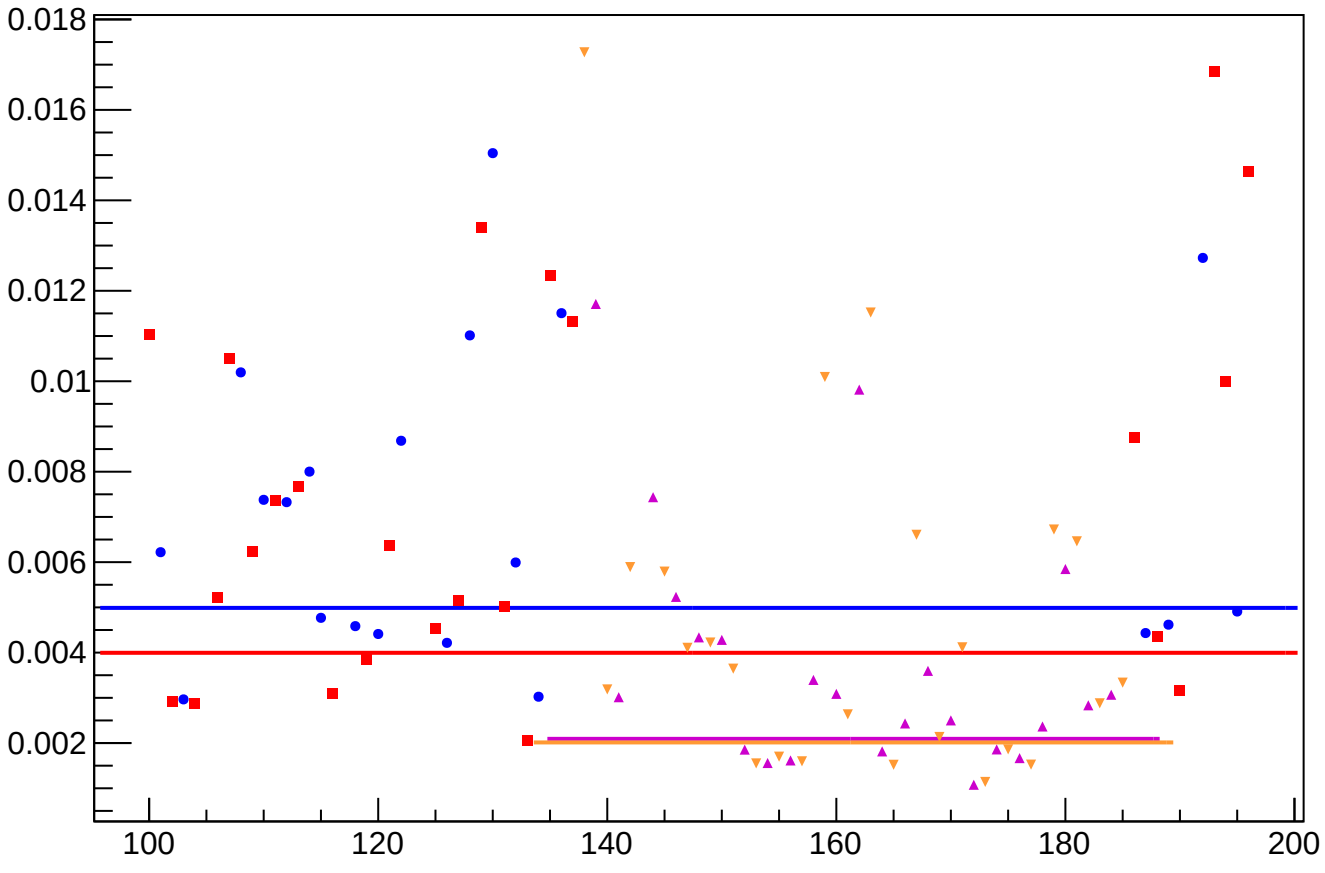
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/23

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.5/43

All: 0.000+/-0.000 χ^2/NDF: 108.2/90

- sign -0.000+/-0.000 χ^2/NDF: 50.9/46



Right In: 0.005+/-0.000 χ^2/NDF: 3448721.5/19

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

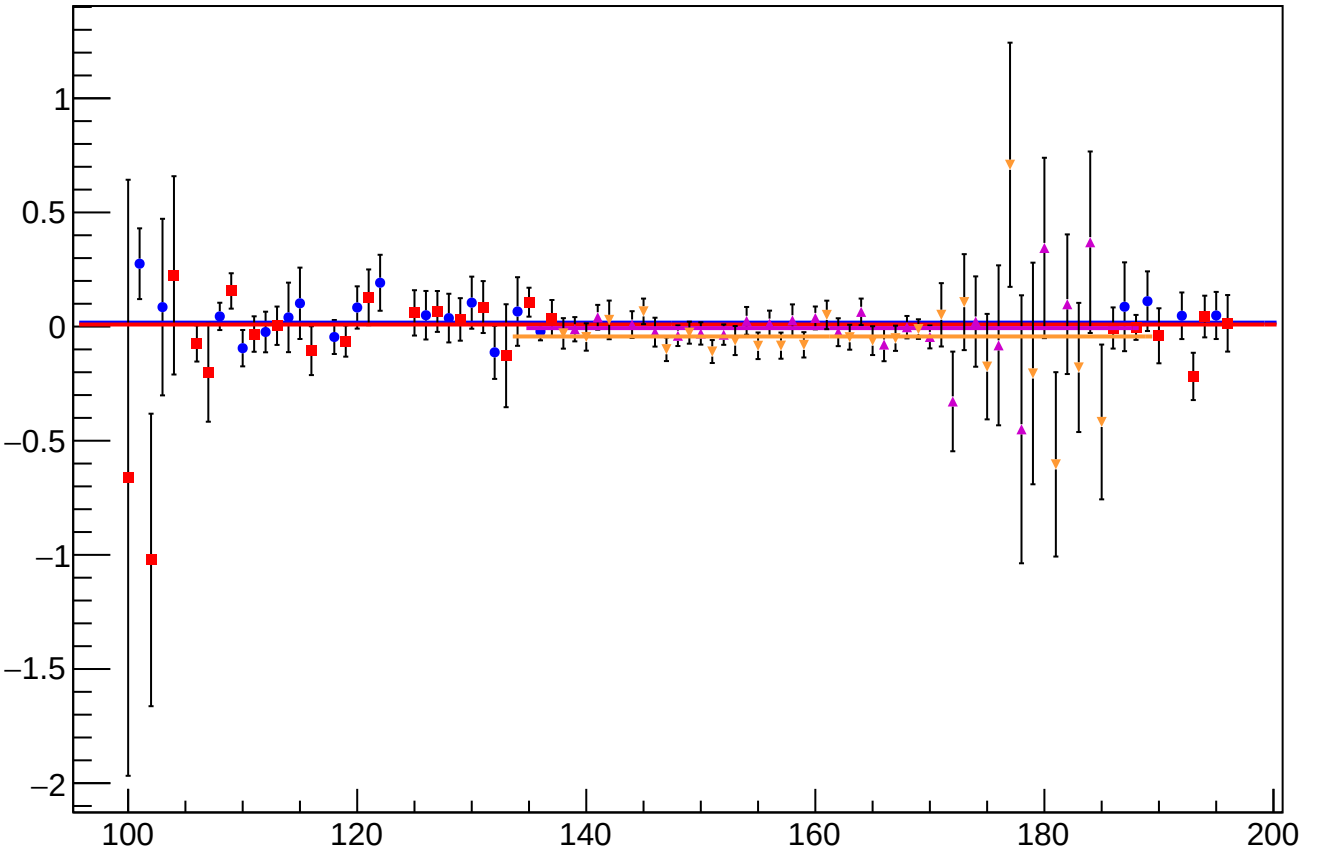
Right Out: 0.004+/-0.000 χ^2/NDF: 5835140.0/23

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 18484994.1/43

All: 0.002+/-0.000 χ^2/NDF: 34587019.8/90

- sign 0.002+/-0.000 χ^2/NDF: 16053659.9/46



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

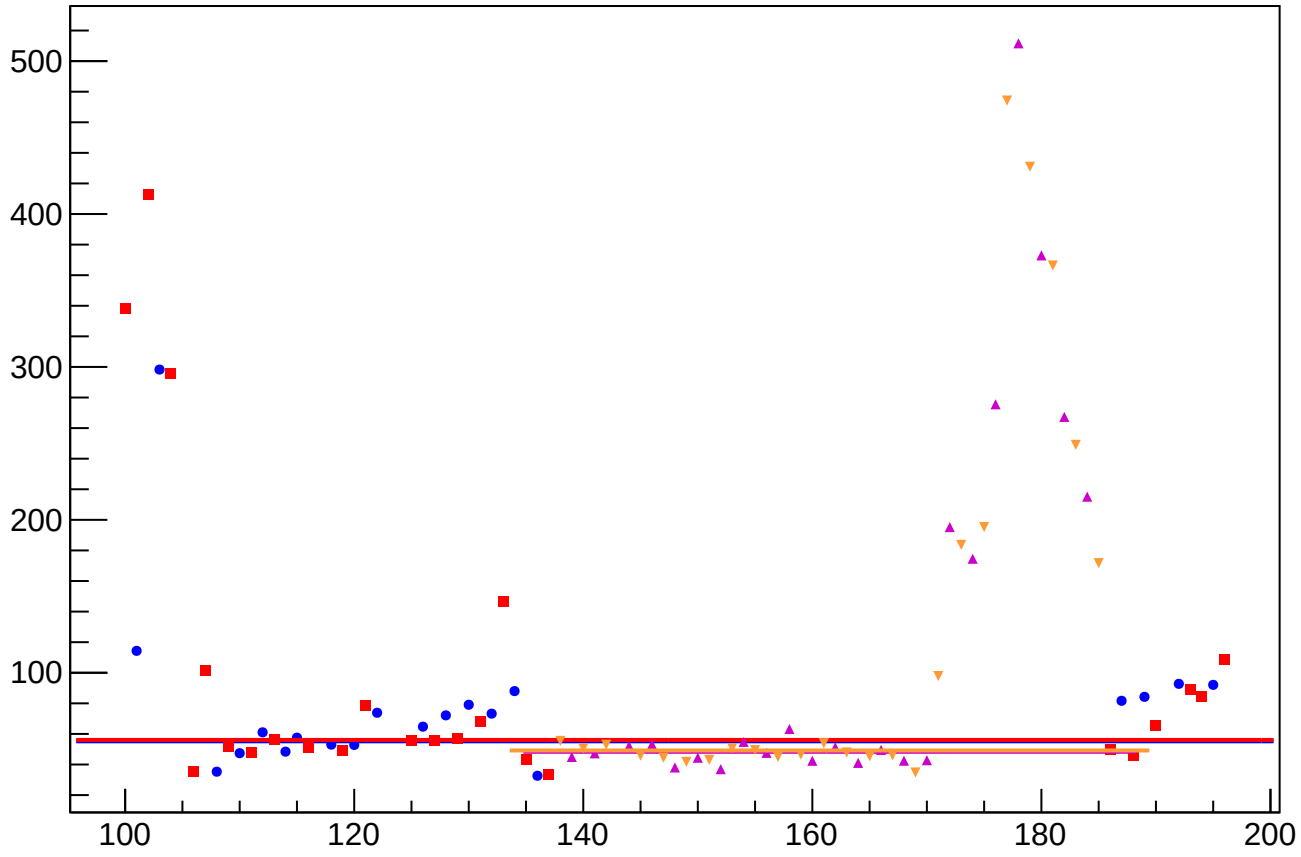
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.012+/-0.008 χ^2/NDF: 72.8/90

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

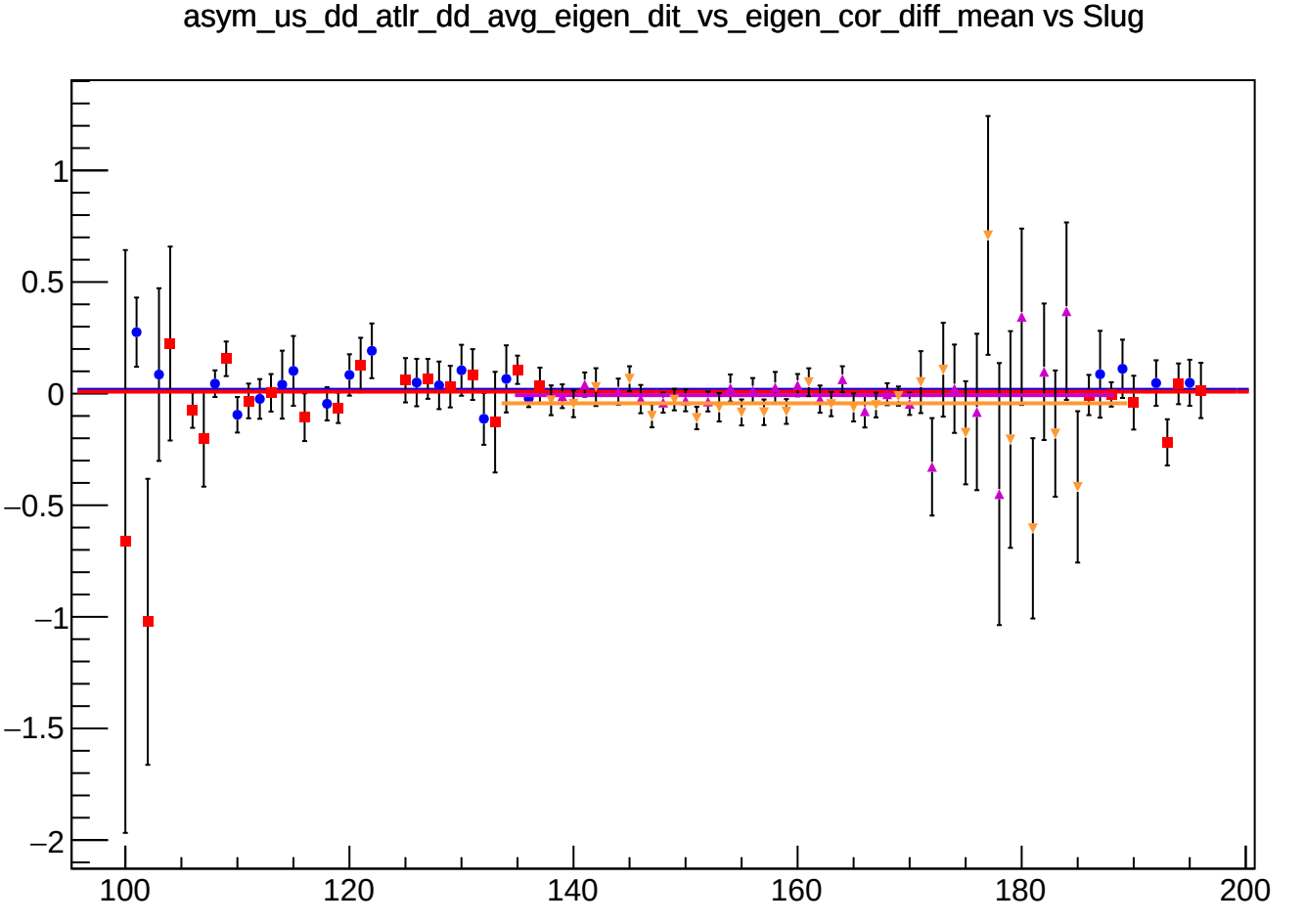
Right Out: 56.076+/-0.014 χ^2/NDF: 3106054.6/23

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.062+/-0.008 χ^2/NDF: 10381920.7/43

All: 50.957+/-0.006 χ^2/NDF: 20745851.6/90

- sign 50.861+/-0.008 χ^2/NDF: 10363613.7/46



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

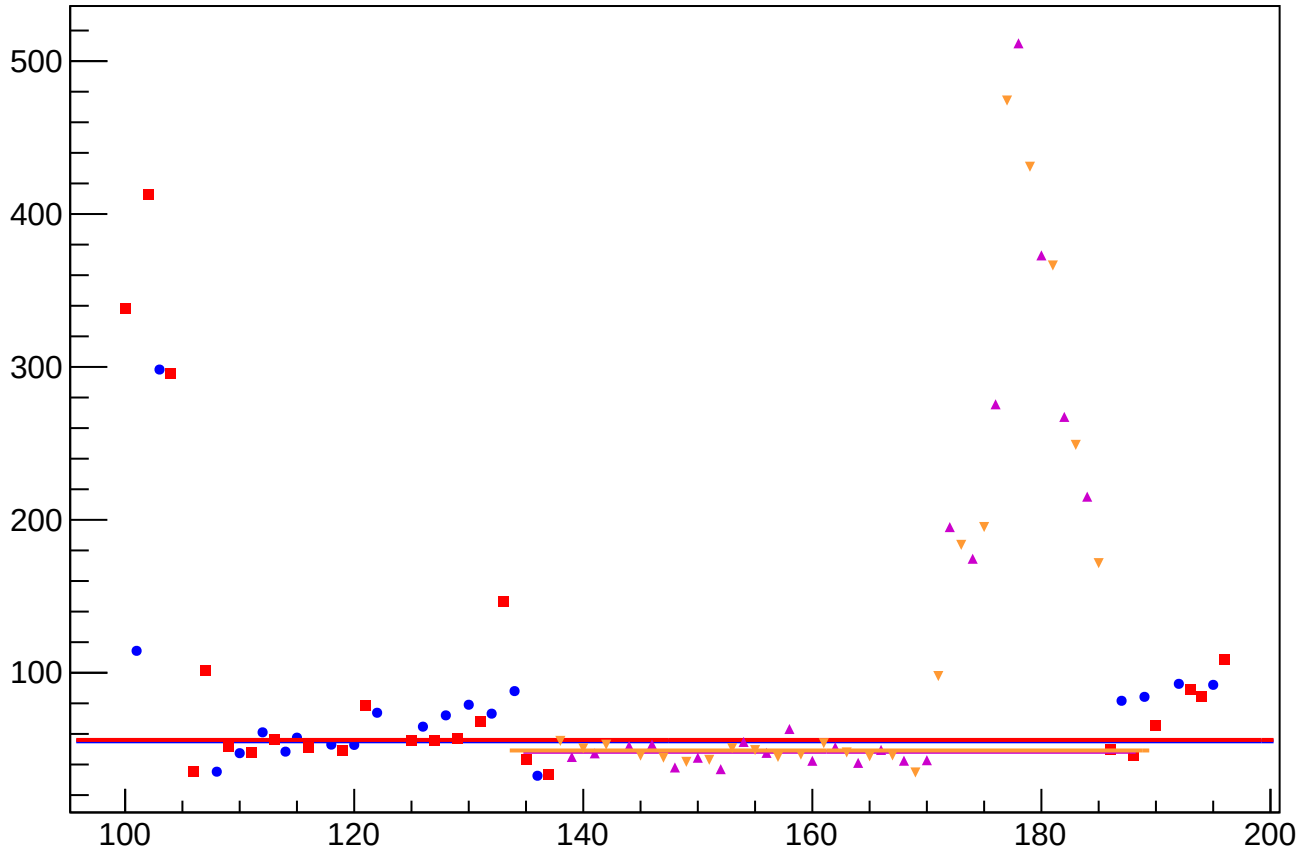
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.012+/-0.008 χ^2/NDF: 72.8/90

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

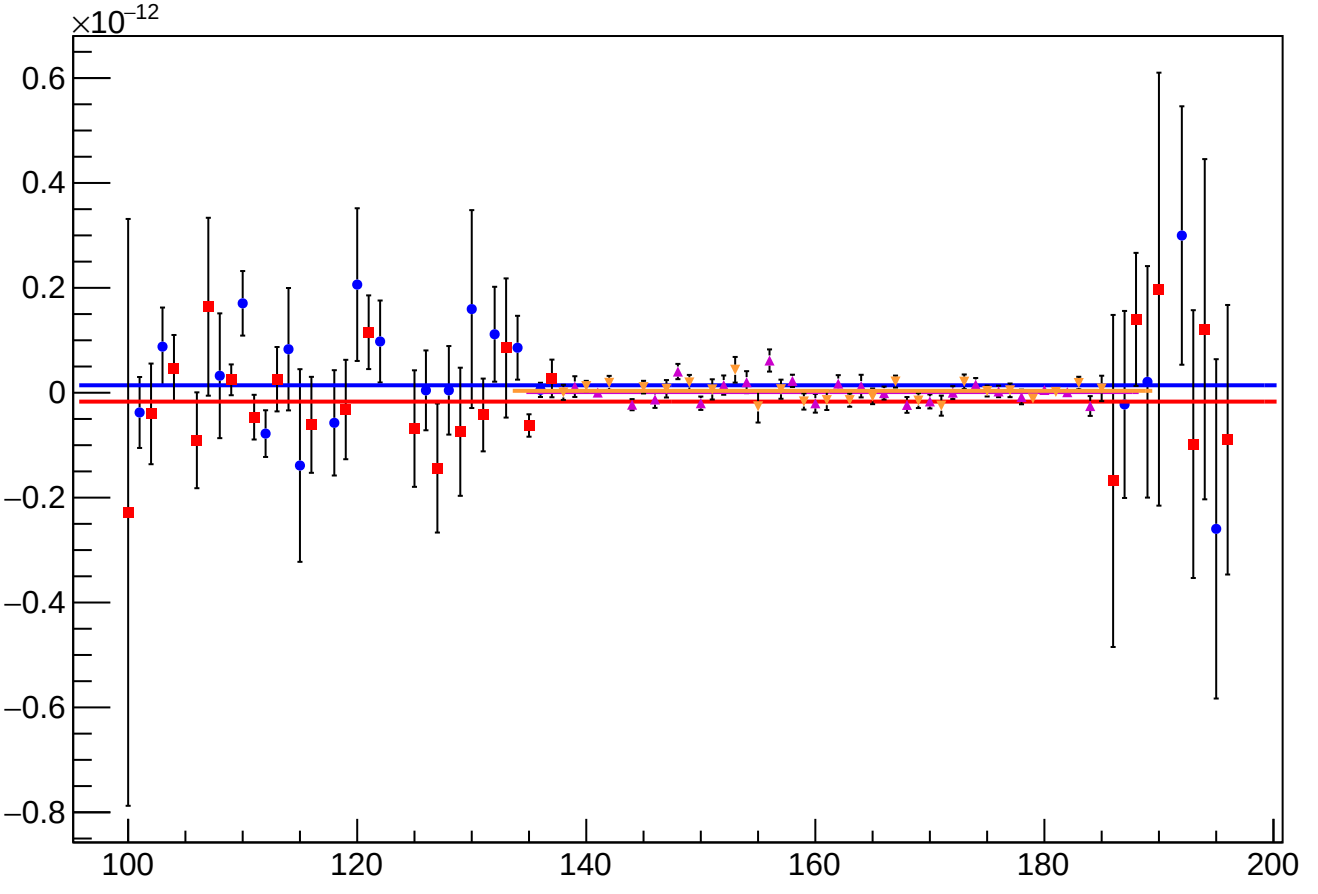
Right Out: 56.076+/-0.014 χ^2/NDF: 3106054.6/23

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 51.062+/-0.008 χ^2/NDF: 10381920.7/43

All: 50.957+/-0.006 χ^2/NDF: 20745851.6/90

\- sign 50.861+/-0.008 χ^2/NDF: 10363613.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

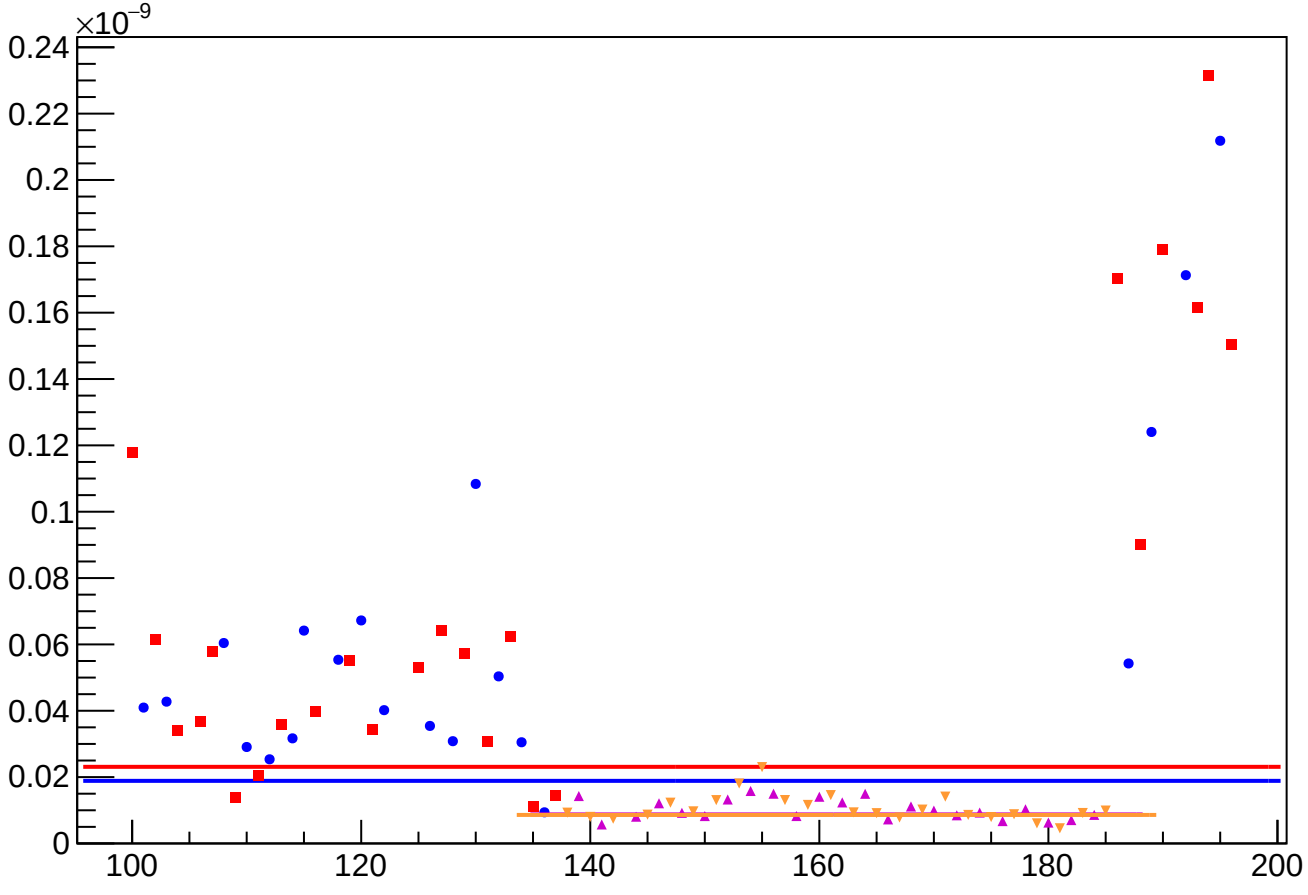
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/23

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/43

All: 0.000+/-0.000 χ^2/NDF: 111.4/90

- sign 0.000+/-0.000 χ^2/NDF: 62.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 5423200.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5850480.4/23

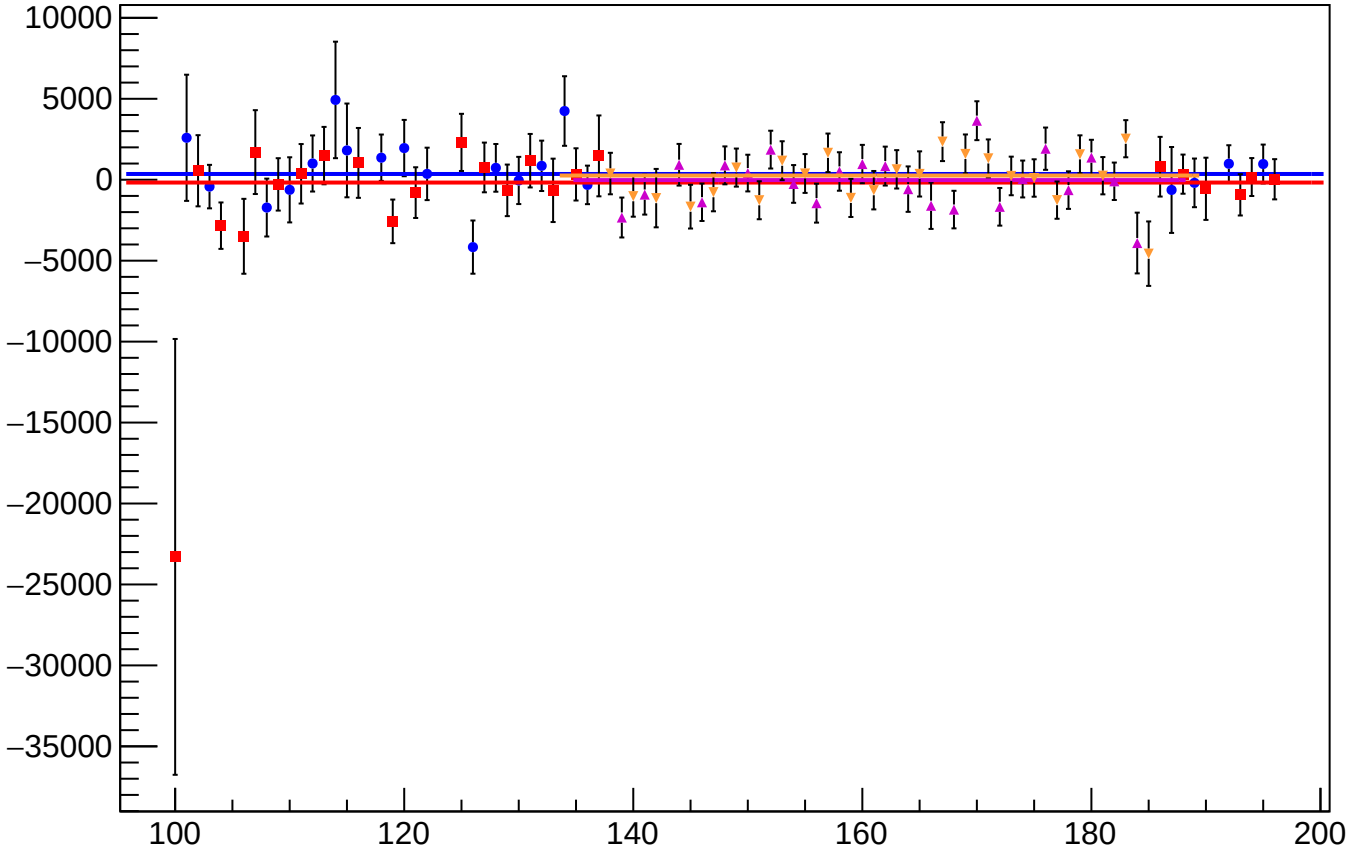
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9496368.1/43

All: 0.000+/-0.000 χ^2/NDF: 19855950.9/90

- sign 0.000+/-0.000 χ^2/NDF: 10349407.6/46

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 355.402+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -173.910+/-337.960 χ^2/NDF: 18.4/23

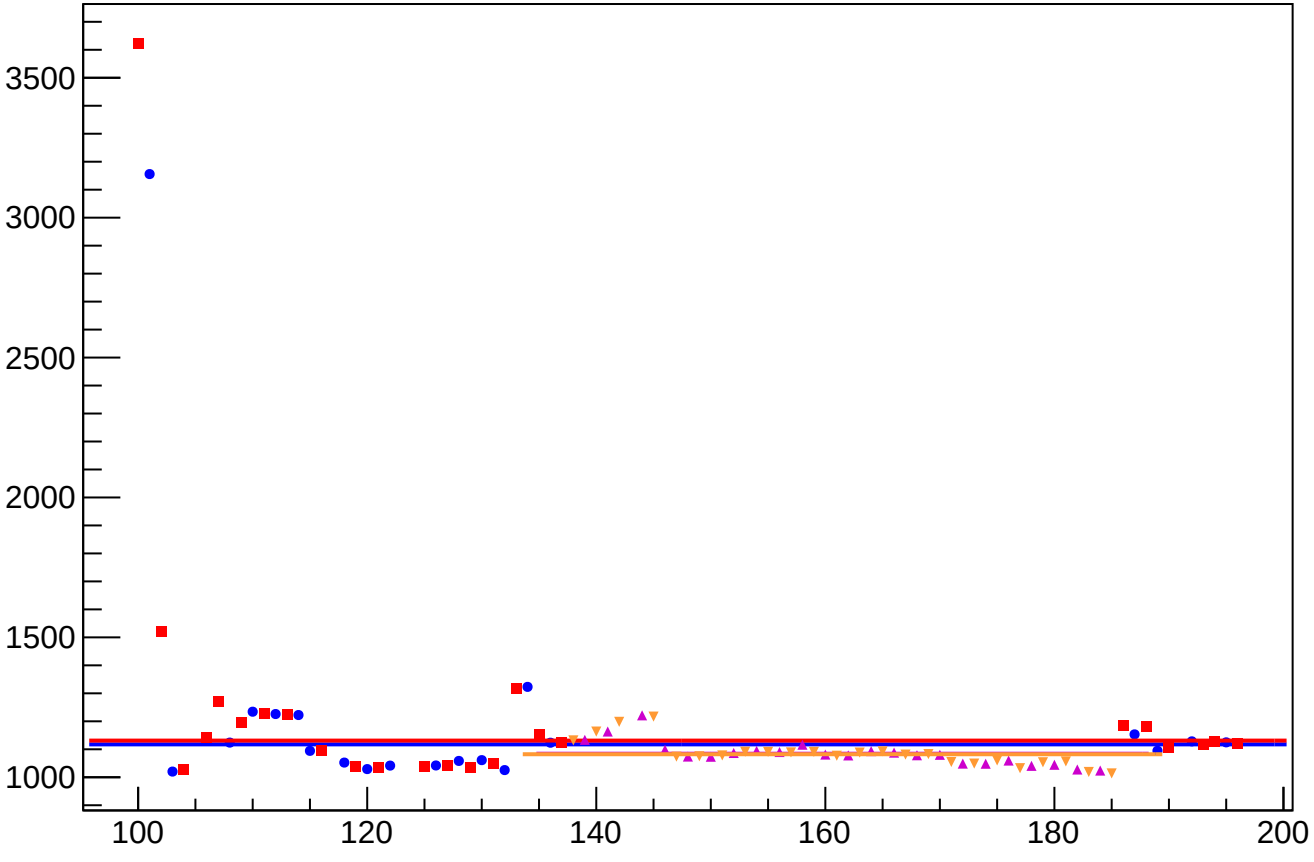
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 291.358+/-206.686 χ^2/NDF: 46.1/43

All: 103.656+/-144.721 χ^2/NDF: 102.0/90

- sign -76.885+/-202.705 χ^2/NDF: 54.3/46

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.558+/-0.257 χ^2/NDF: 624488.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

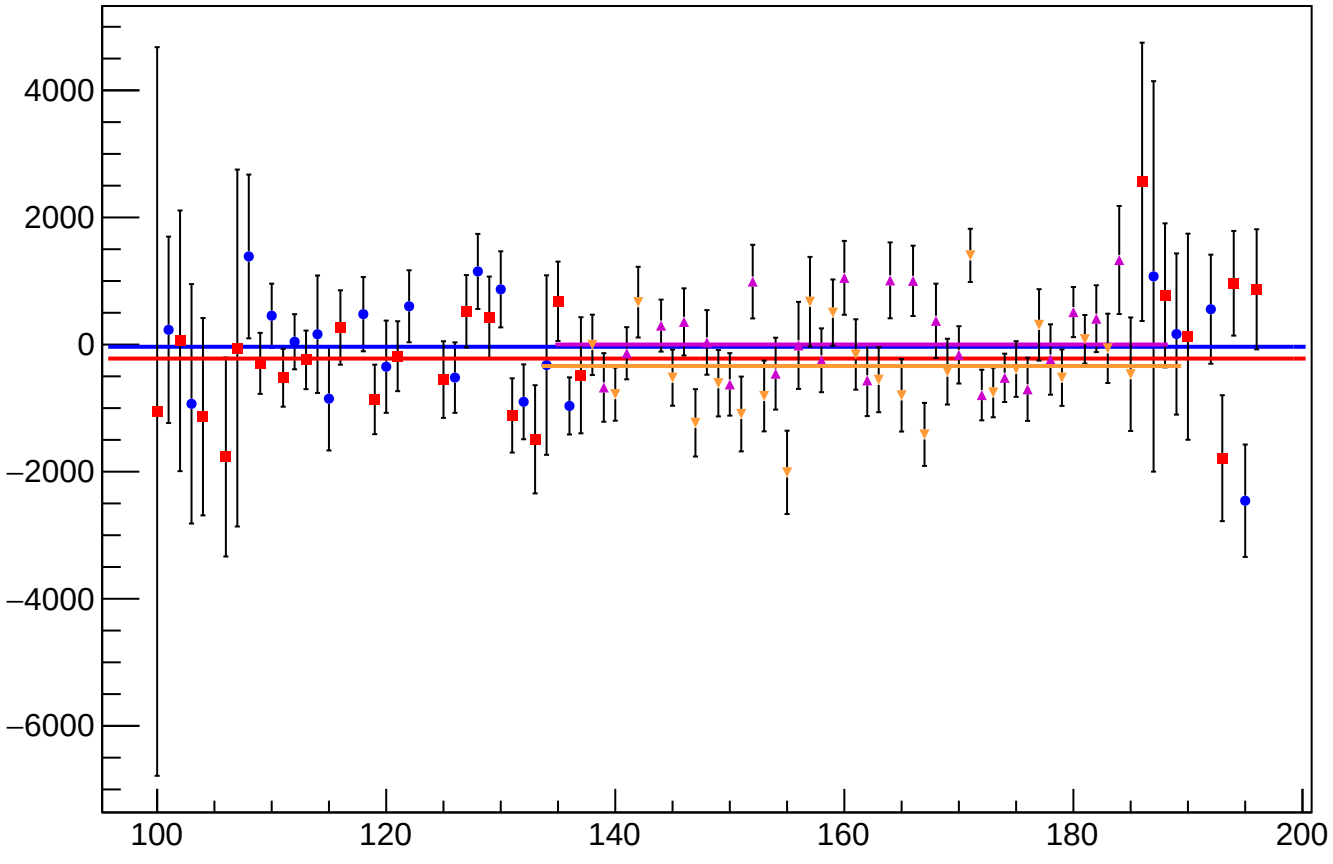
Right Out: 1131.051+/-0.239 χ^2/NDF: 228470.7/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.732+/-0.146 χ^2/NDF: 695105.7/43

All: 1097.454+/-0.102 χ^2/NDF: 1002932.1/90

- sign 1101.033+/-0.143 χ^2/NDF: 306554.3/46



Right In: -34.873+/-154.618 χ^2/NDF: 27.4/19

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

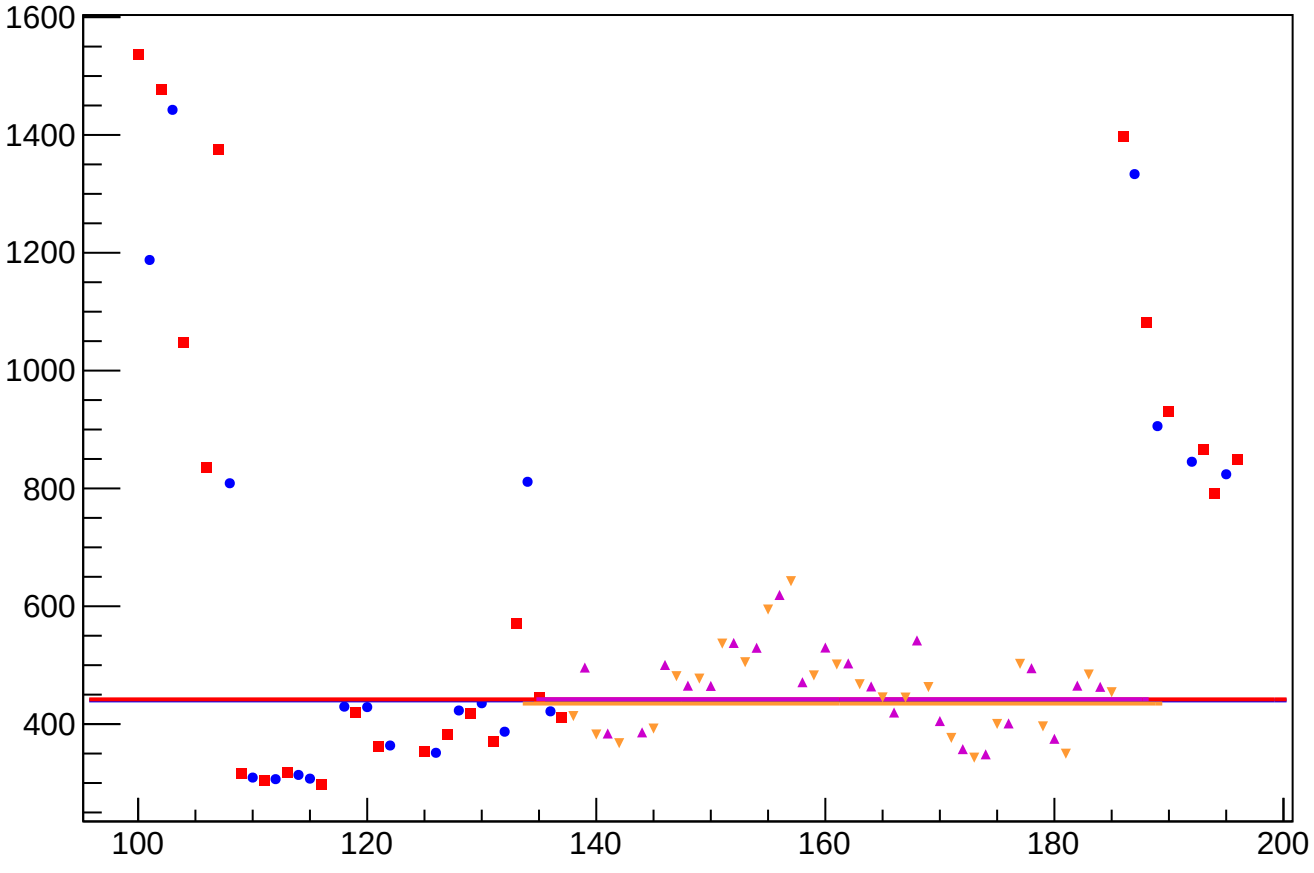
Right Out: -220.273+/-147.486 χ^2/NDF: 22.0/23

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -245.139+/-85.491 χ^2/NDF: 78.9/43

All: -159.209+/-60.416 χ^2/NDF: 136.3/90

- sign -73.478+/-85.392 χ^2/NDF: 55.4/46



Right In: 440.234+/-0.109 χ^2/NDF: 3174725.7/19

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 441.944+/-0.104 χ^2/NDF: 4313199.7/23

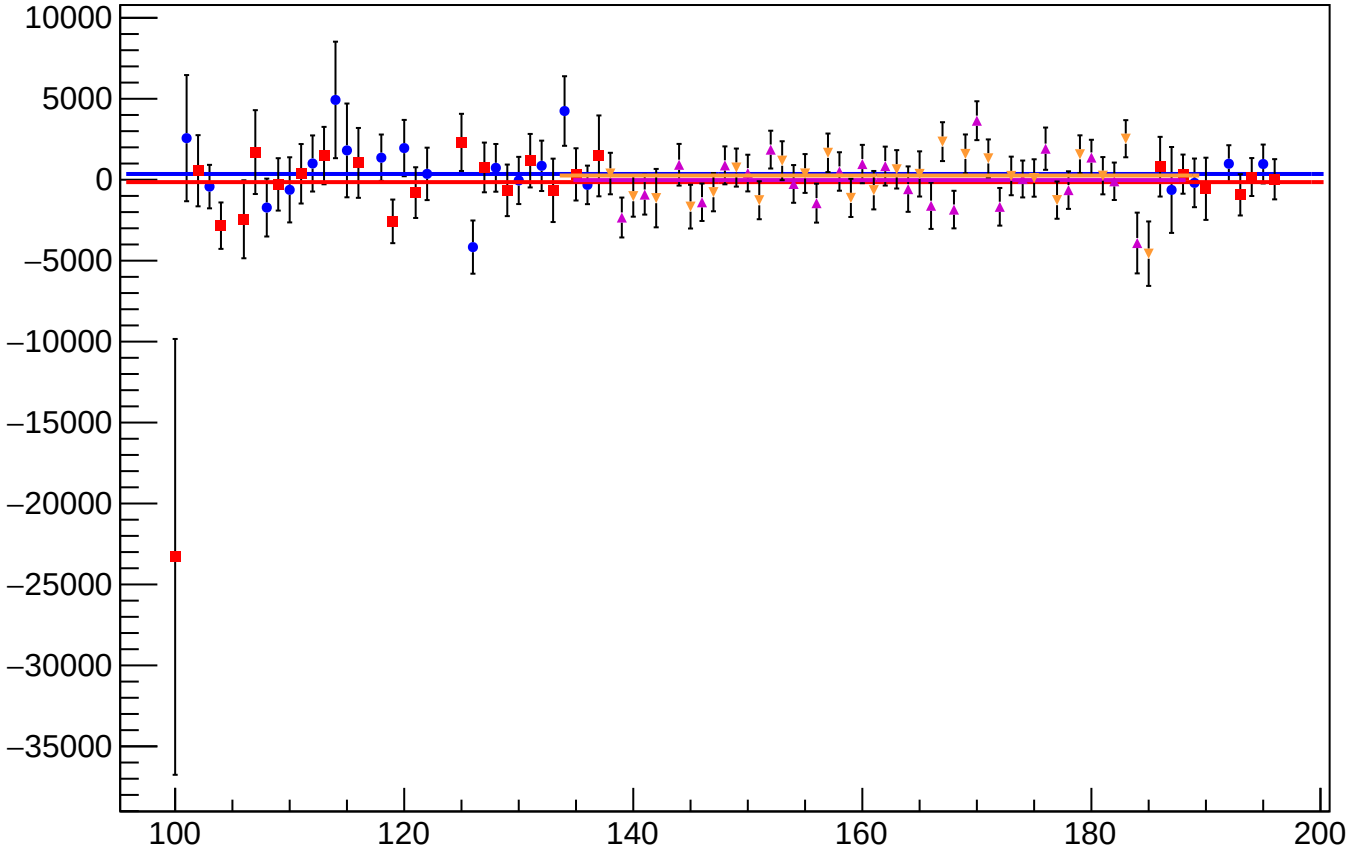
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 436.502+/-0.060 χ^2/NDF: 4054820.3/43

All: 439.314+/-0.043 χ^2/NDF: 9198320.0/90

- sign 442.120+/-0.060 χ^2/NDF: 5139176.1/46

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 355.180+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -147.691+/-338.239 χ^2/NDF: 17.2/23

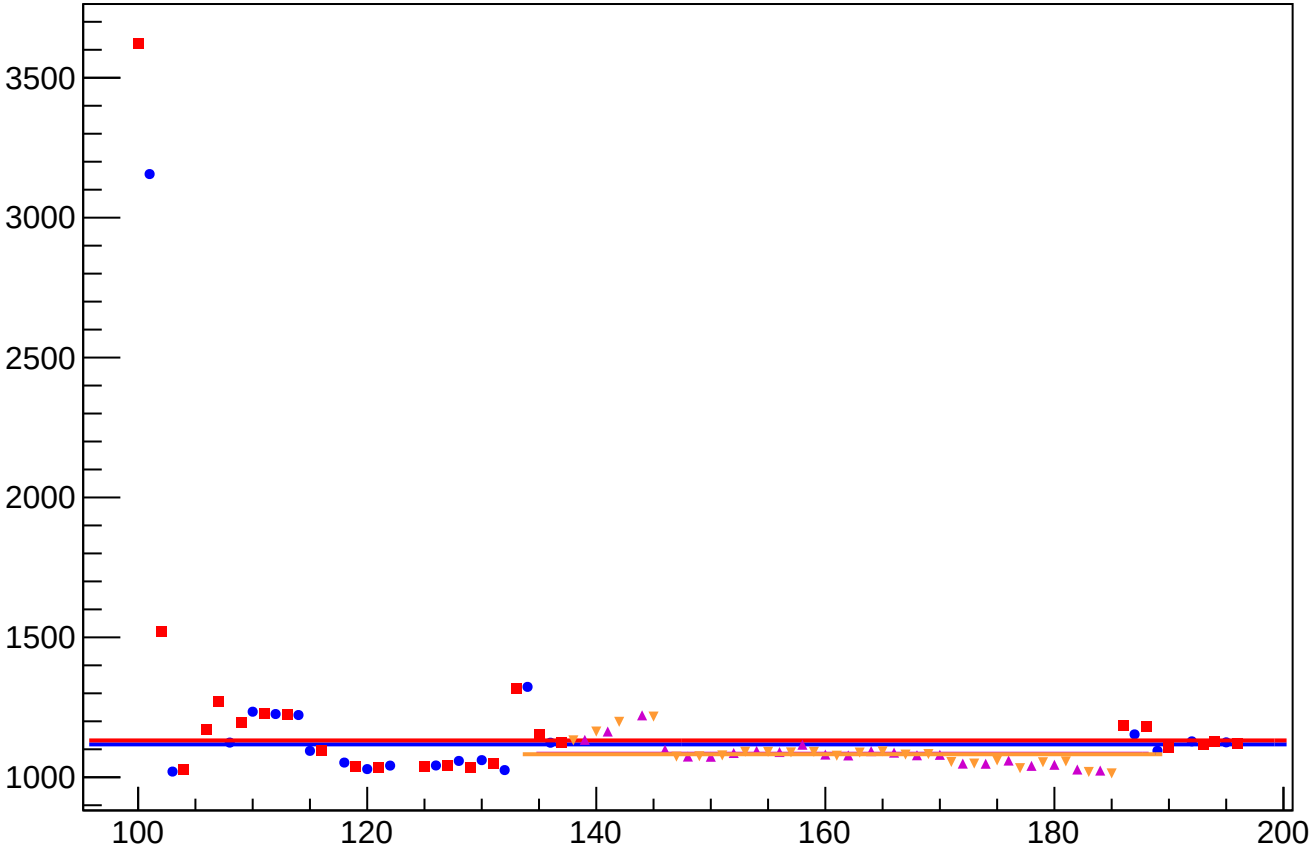
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 291.279+/-206.686 χ^2/NDF: 46.1/43

All: 108.505+/-144.743 χ^2/NDF: 100.7/90

- sign -67.402+/-202.765 χ^2/NDF: 53.1/46

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.558+/-0.257 χ^2/NDF: 624489.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

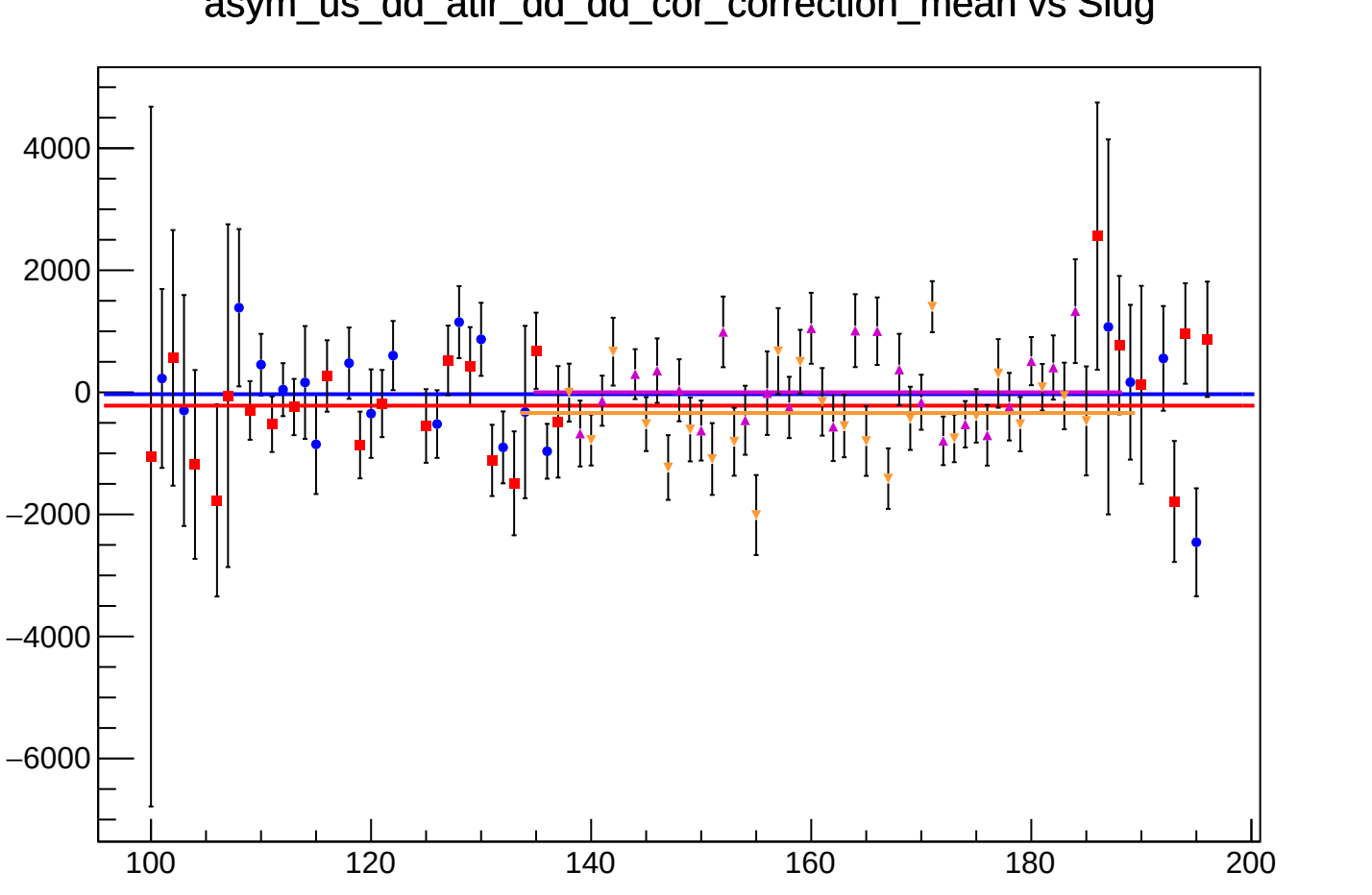
Right Out: 1131.654+/-0.239 χ^2/NDF: 229002.9/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1093.732+/-0.146 χ^2/NDF: 695106.6/43

All: 1097.554+/-0.102 χ^2/NDF: 1004146.3/90

\- sign 1101.232+/-0.143 χ^2/NDF: 307697.7/46



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

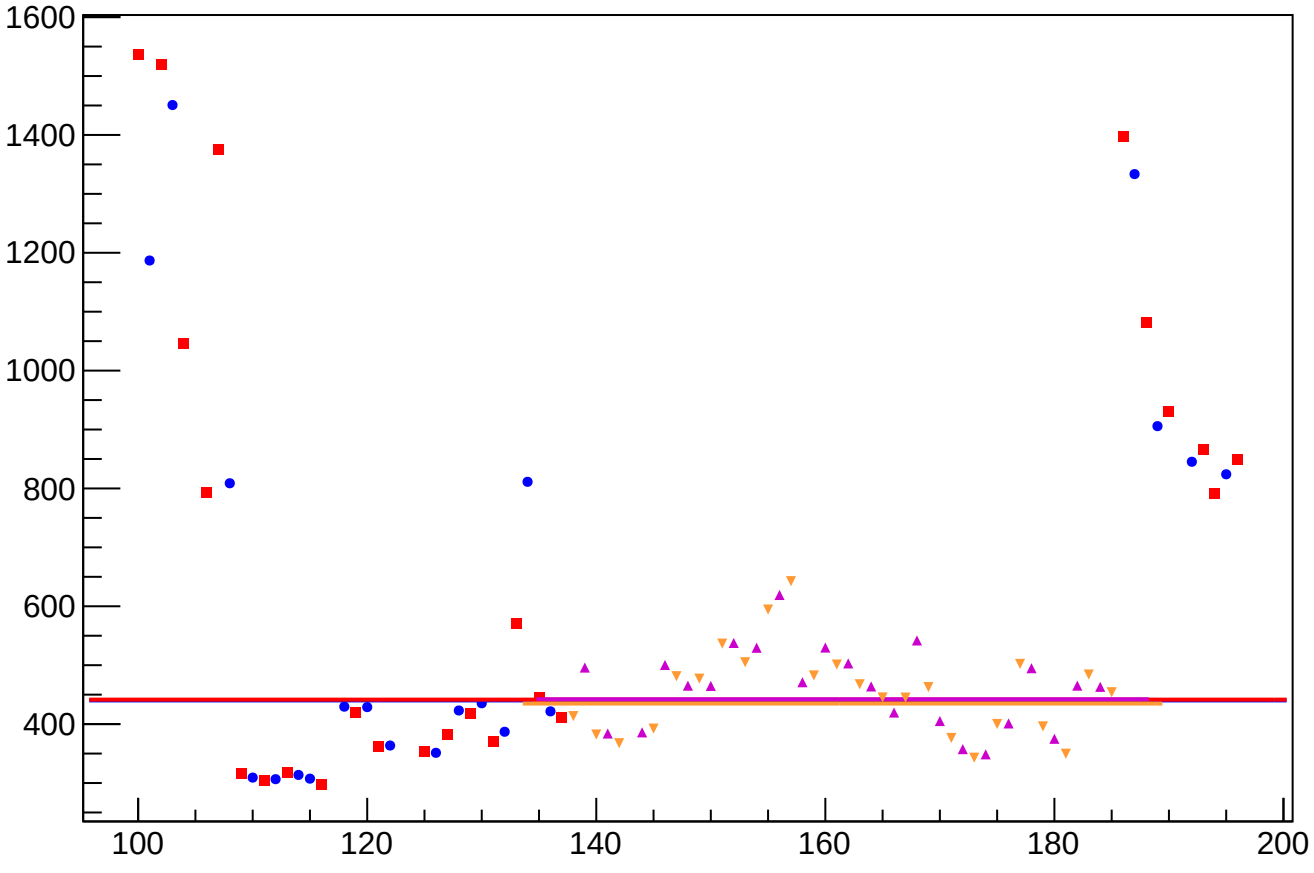
Right Out: -218.175+/-147.505 χ^2/NDF: 22.2/23

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -243.945+/-85.491 χ^2/NDF: 78.7/43

All: -158.252+/-60.418 χ^2/NDF: 136.2/90

- sign -72.749+/-85.396 χ^2/NDF: 55.5/46



Right In: 440.223+/-0.109 χ^2/NDF: 3178469.2/19

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 441.545+/-0.104 χ^2/NDF: 4305432.9/23

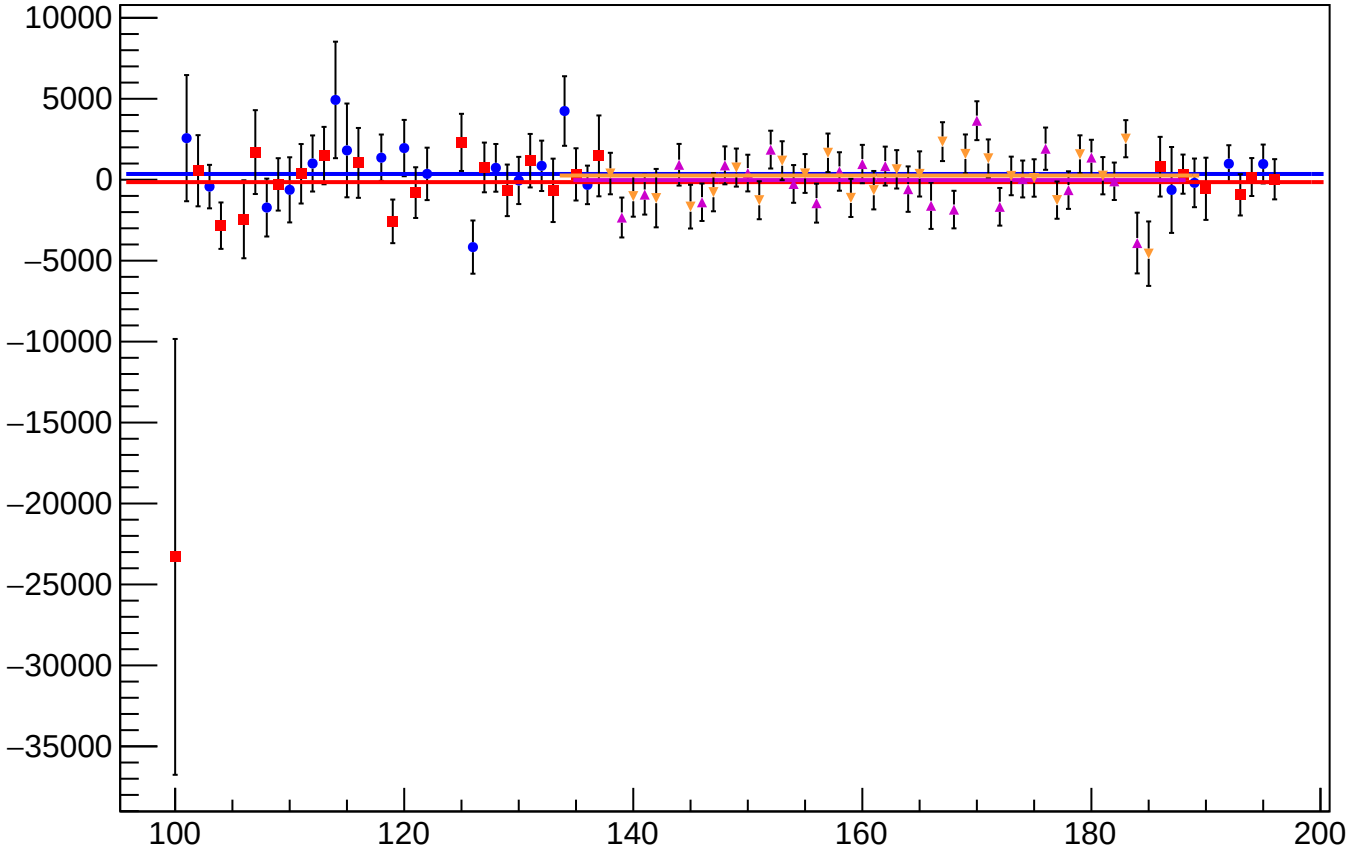
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 436.497+/-0.060 χ^2/NDF: 4058649.7/43

All: 439.245+/-0.043 χ^2/NDF: 9194082.6/90

- sign 441.987+/-0.060 χ^2/NDF: 5131304.4/46

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 355.180+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -147.691+/-338.239 χ^2/NDF: 17.2/23

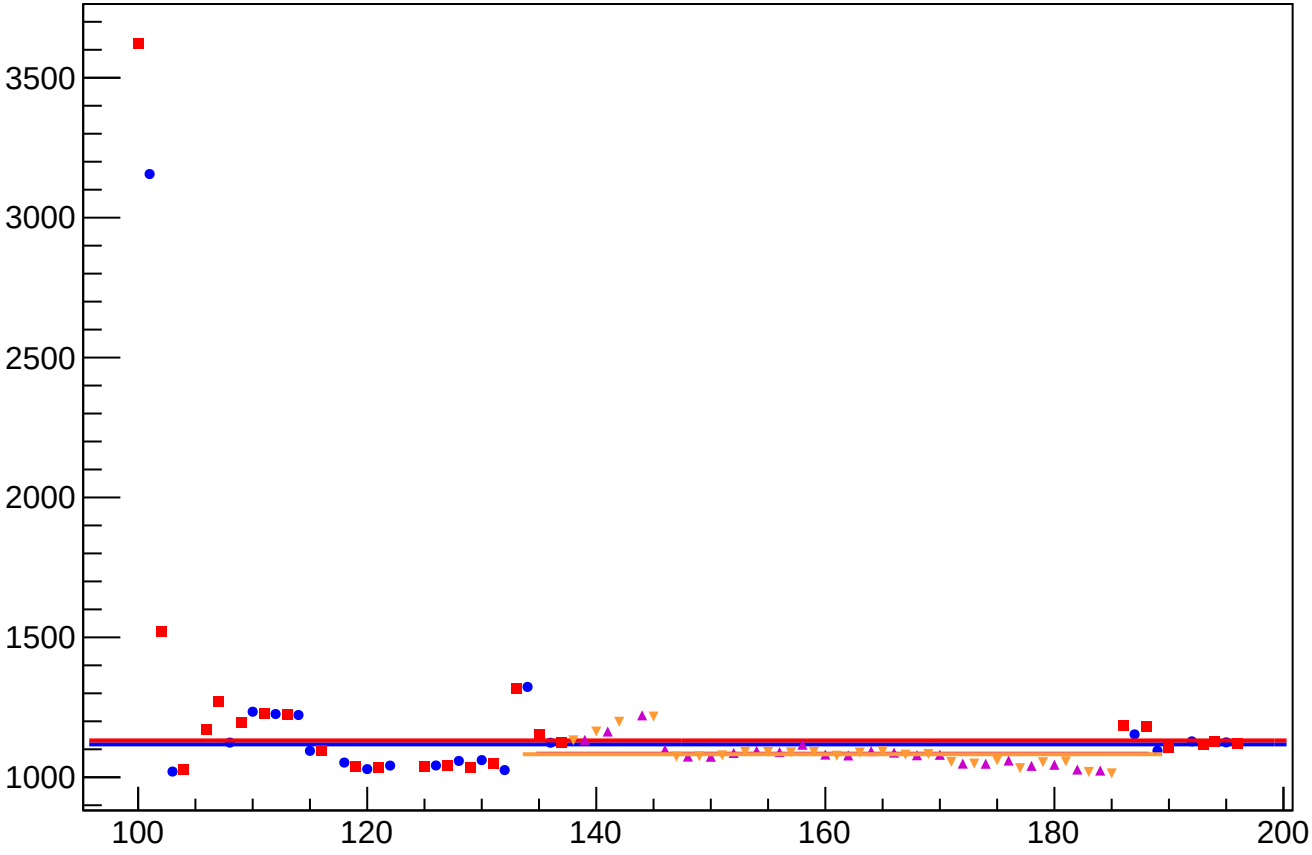
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 291.279+/-206.686 χ^2/NDF: 46.1/43

All: 108.505+/-144.743 χ^2/NDF: 100.7/90

- sign -67.402+/-202.765 χ^2/NDF: 53.1/46

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.558+/-0.257 χ^2/NDF: 624489.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

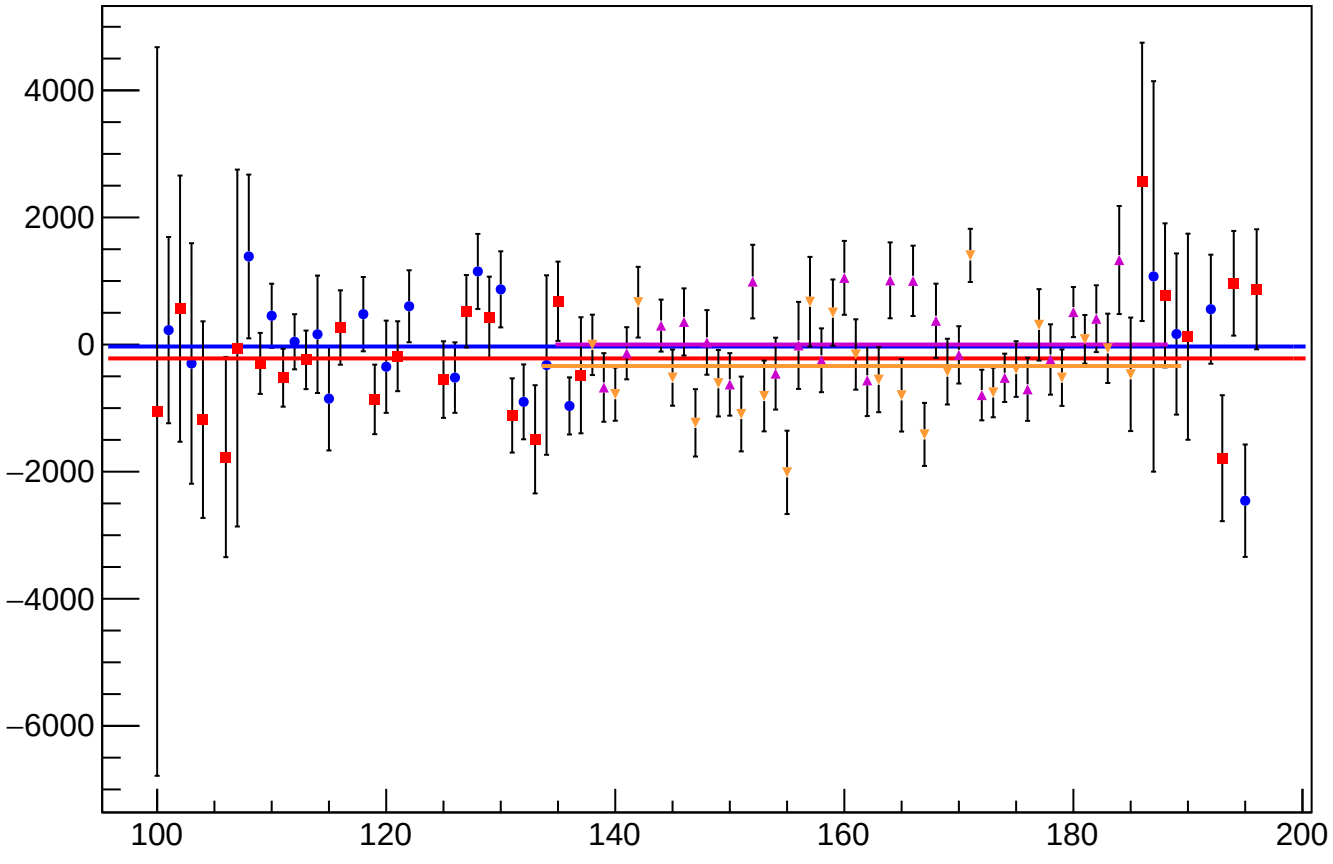
Right Out: 1131.654+/-0.239 χ^2/NDF: 229002.9/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.732+/-0.146 χ^2/NDF: 695106.6/43

All: 1097.554+/-0.102 χ^2/NDF: 1004146.3/90

- sign 1101.232+/-0.143 χ^2/NDF: 307697.7/46



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

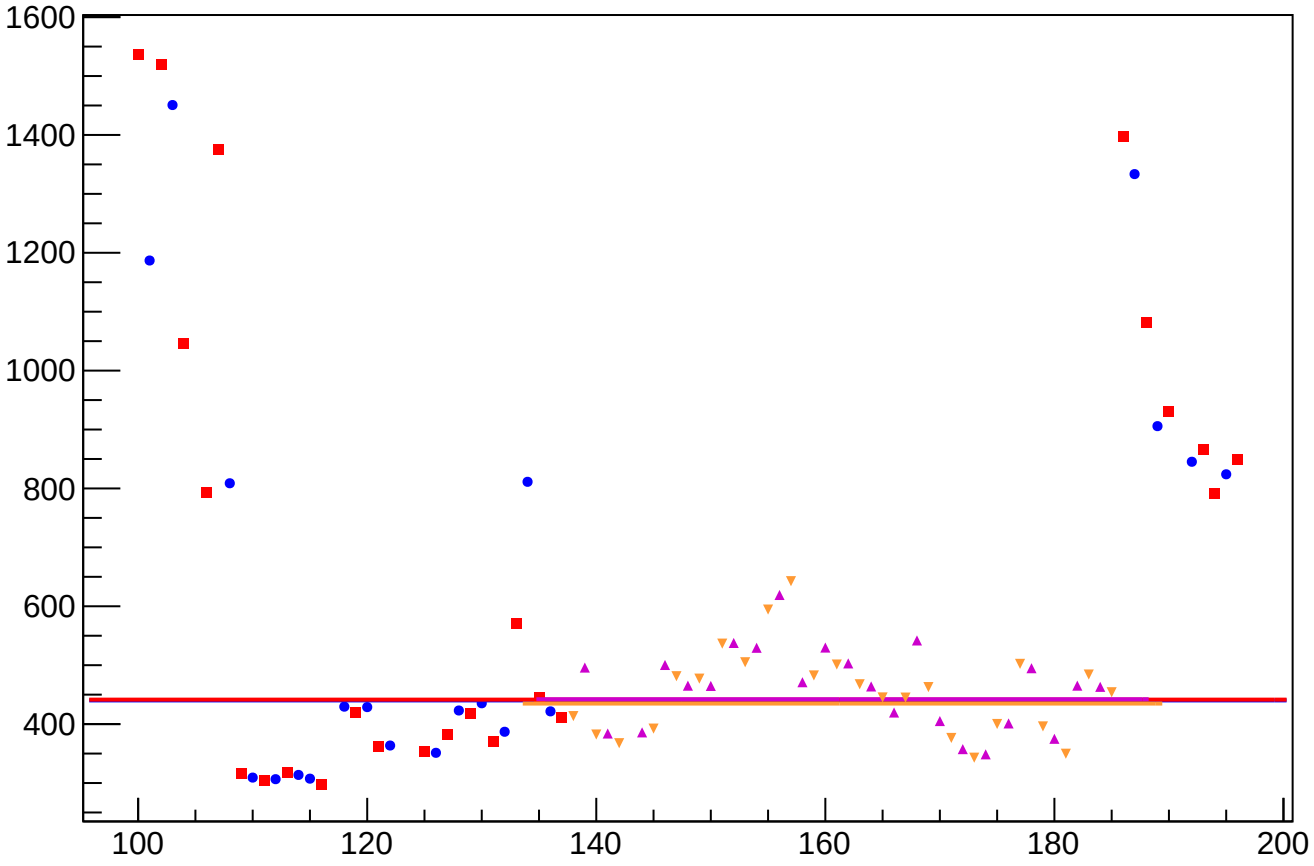
Right Out: -218.175+/-147.505 χ^2/NDF: 22.2/23

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -243.945+/-85.491 χ^2/NDF: 78.7/43

All: -158.252+/-60.418 χ^2/NDF: 136.2/90

- sign -72.749+/-85.396 χ^2/NDF: 55.5/46



Right In: 440.223+/-0.109 χ^2/NDF: 3178469.2/19

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 441.545+/-0.104 χ^2/NDF: 4305432.9/23

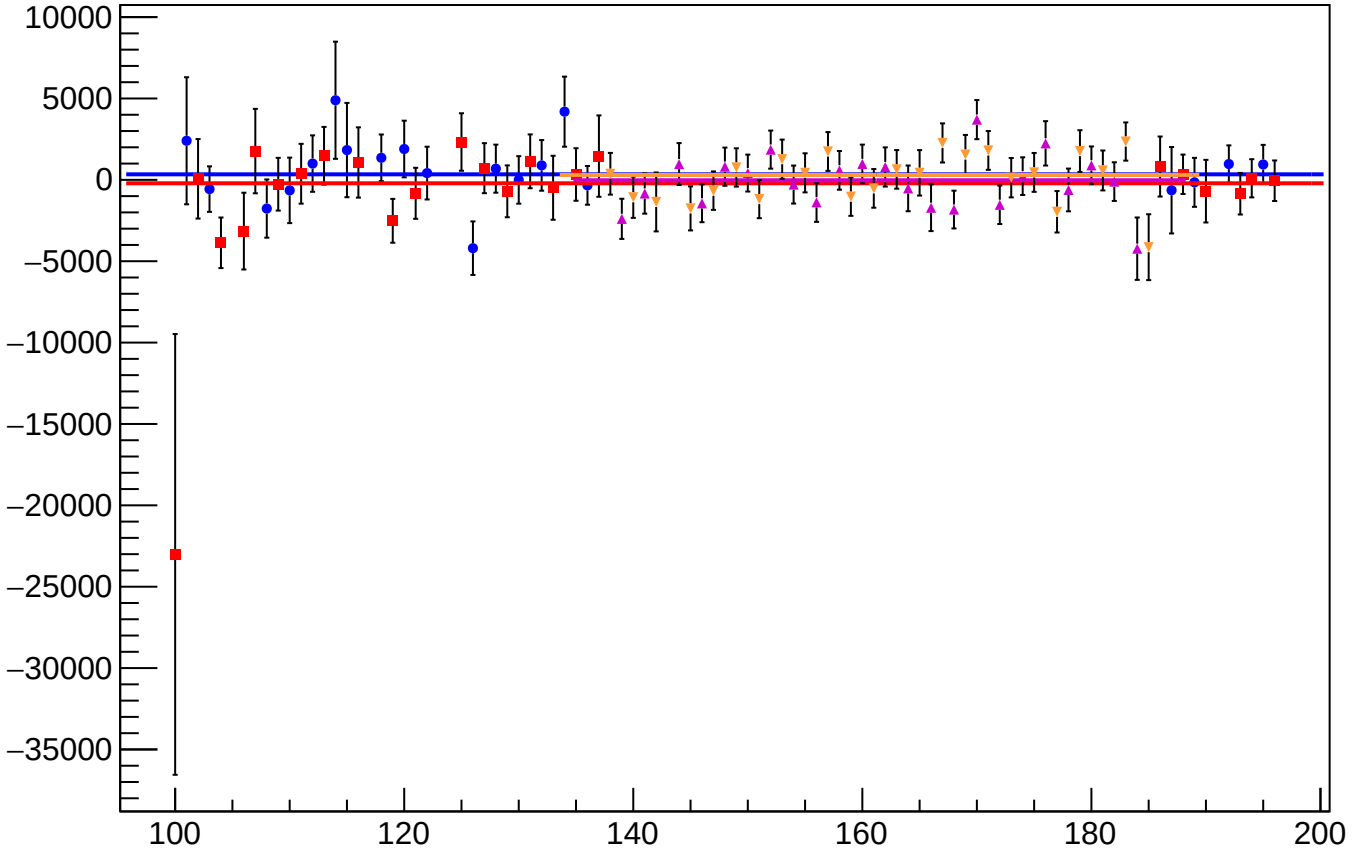
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 436.497+/-0.060 χ^2/NDF: 4058649.7/43

All: 439.245+/-0.043 χ^2/NDF: 9194082.6/90

- sign 441.987+/-0.060 χ^2/NDF: 5131304.4/46

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.617+/-364.431 χ^2/NDF: 17.8/19

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -210.171+/-340.591 χ^2/NDF: 19.6/23

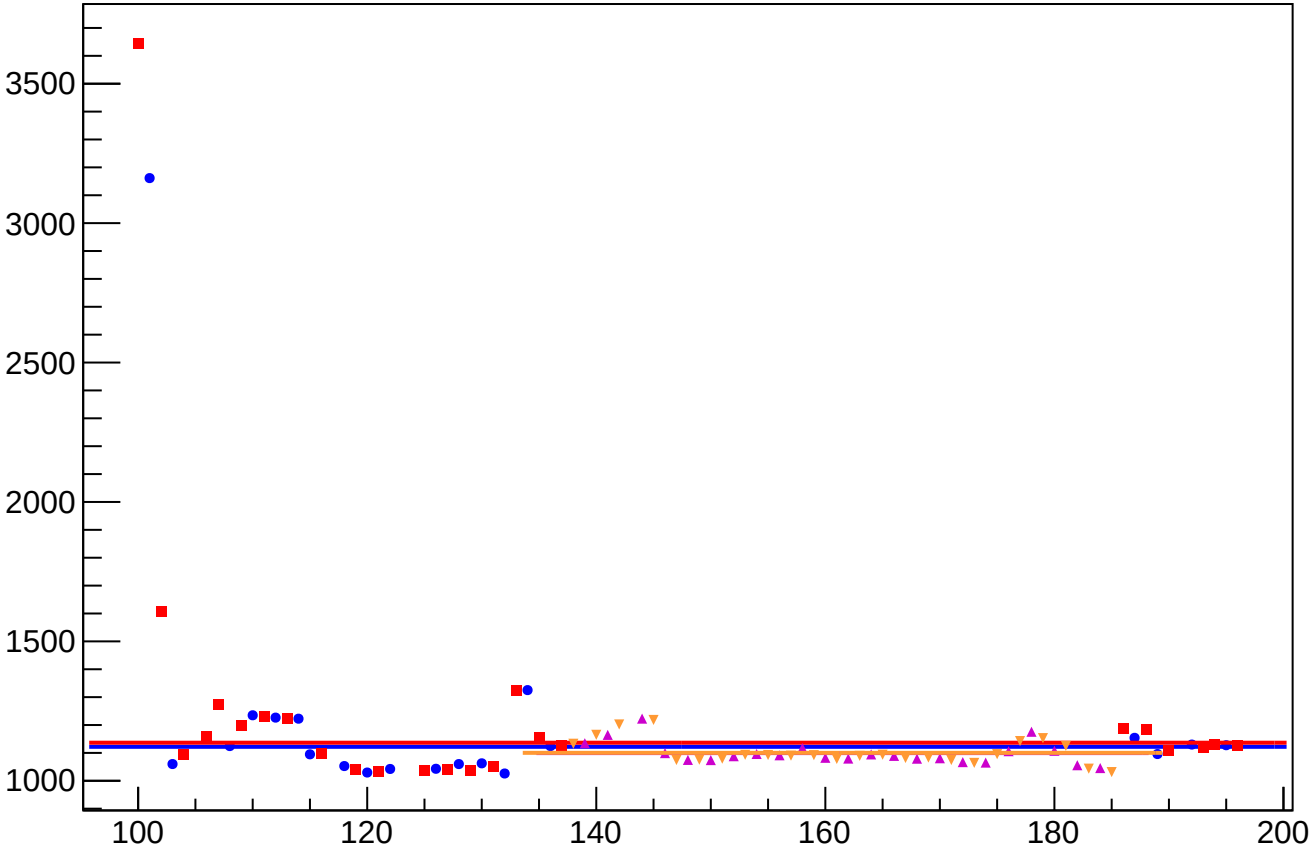
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 315.341+/-209.237 χ^2/NDF: 46.3/43

All: 107.412+/-146.461 χ^2/NDF: 103.9/90

- sign -92.339+/-205.081 χ^2/NDF: 55.7/46

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.871+/-0.258 χ^2/NDF: 618064.9/19

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

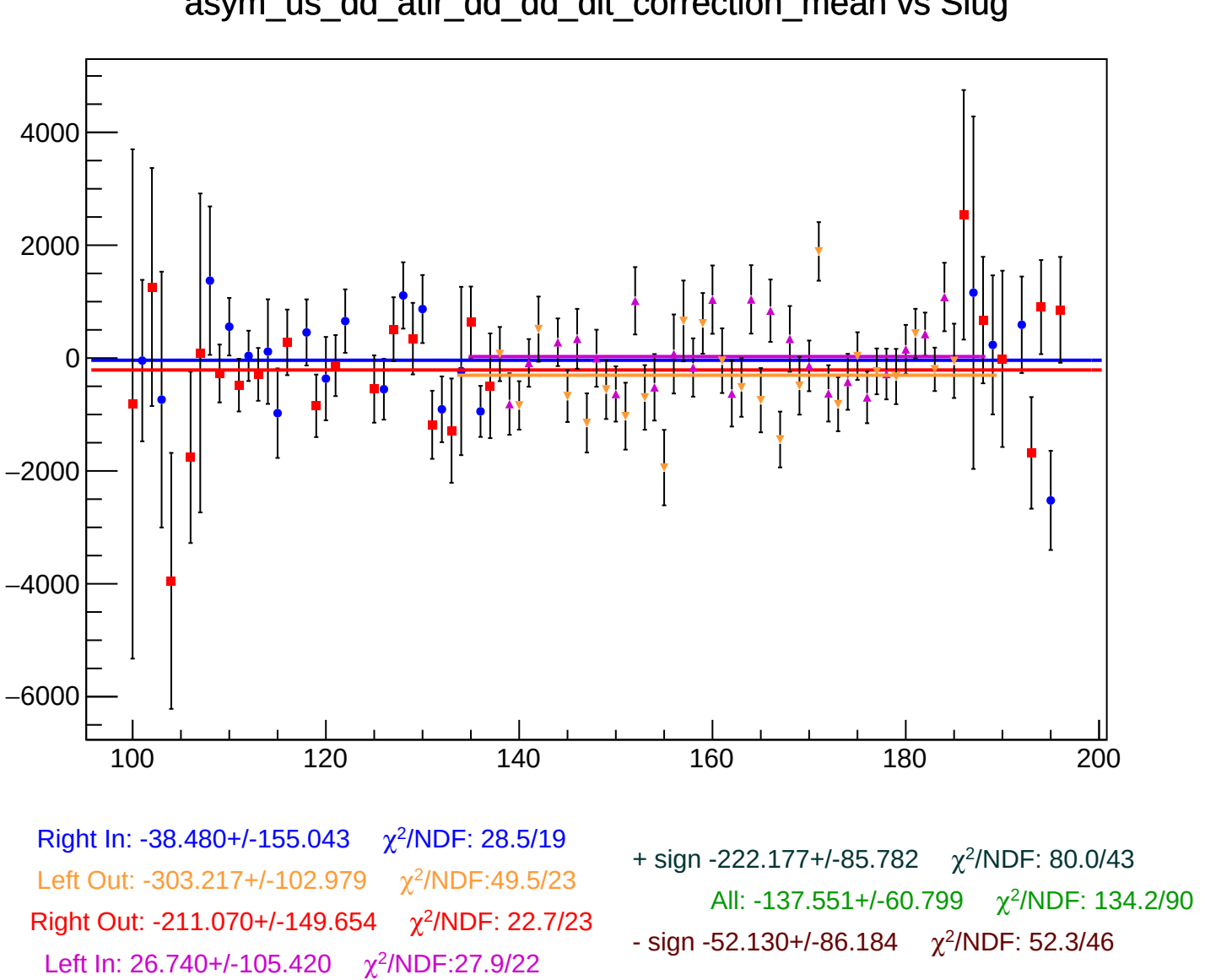
Right Out: 1136.587+/-0.241 χ^2/NDF: 233096.2/23

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

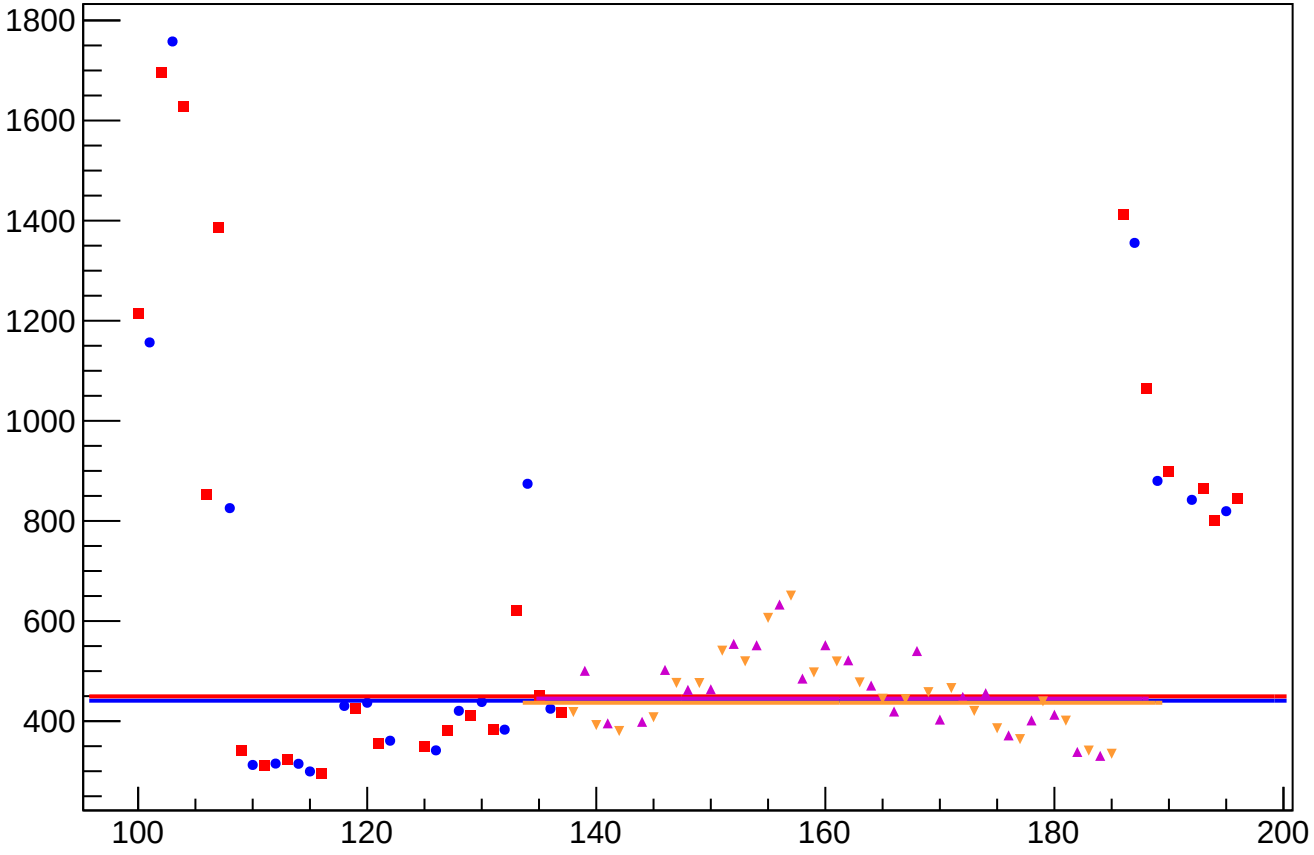
\+ sign 1107.382+/-0.148 χ^2/NDF: 671554.4/43

All: 1110.169+/-0.104 χ^2/NDF: 965376.8/90

\- sign 1112.845+/-0.145 χ^2/NDF: 293127.0/46


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -38.480+/-155.043 χ²/NDF: 28.5/19
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -211.070+/-149.654 χ²/NDF: 22.7/23
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -222.177+/-85.782 χ²/NDF: 80.0/43
All: -137.551+/-60.799 χ²/NDF: 134.2/90
- sign -52.130+/-86.184 χ²/NDF: 52.3/46

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 440.903+/-0.110 χ^2/NDF: 3272632.7/19

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 449.545+/-0.106 χ^2/NDF: 4664955.1/23

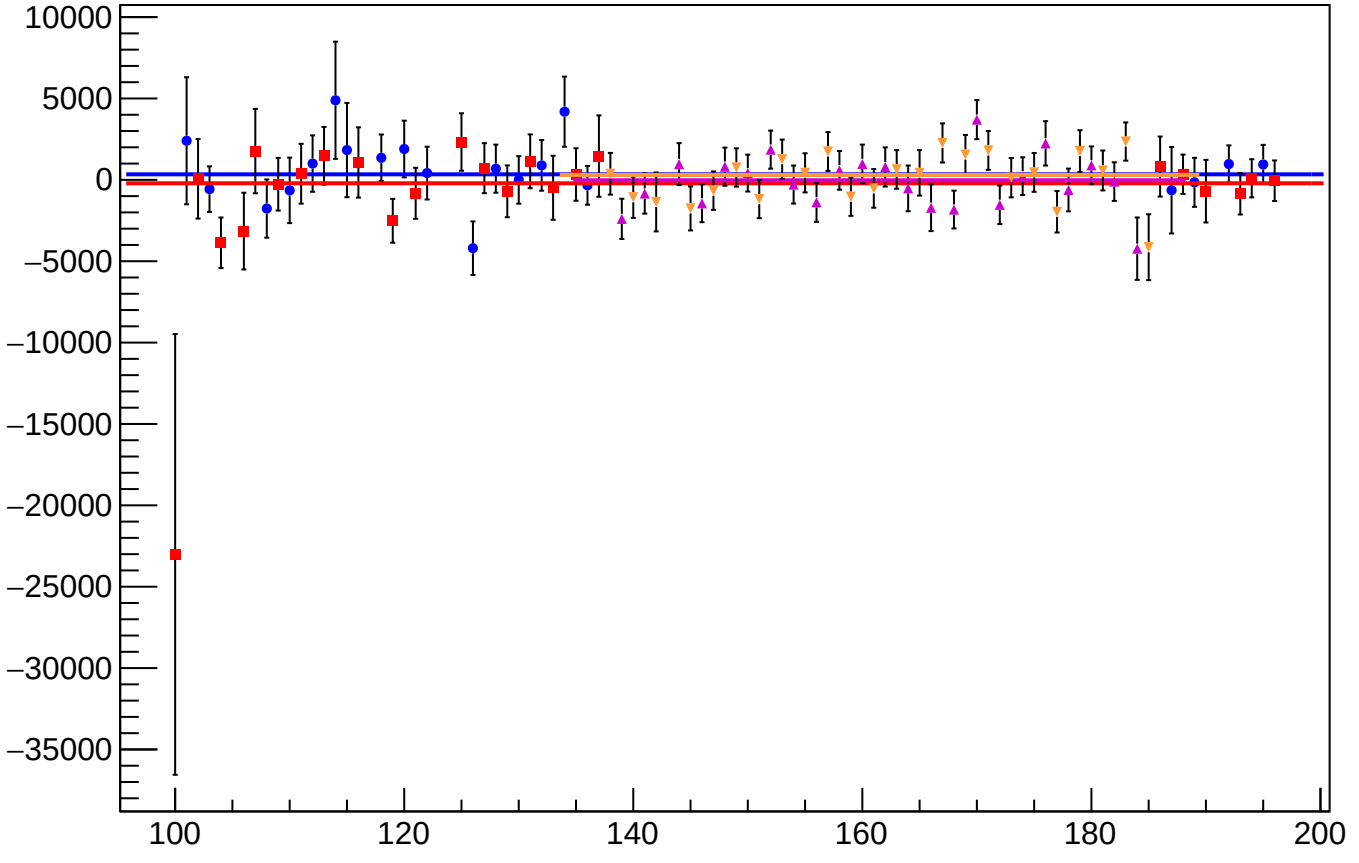
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 438.047+/-0.061 χ^2/NDF: 4128816.9/43

All: 442.293+/-0.043 χ^2/NDF: 9679330.2/90

- sign 446.580+/-0.061 χ^2/NDF: 5540664.4/46

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.620+/-364.431 χ^2/NDF: 17.8/19

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -210.171+/-340.591 χ^2/NDF: 19.6/23

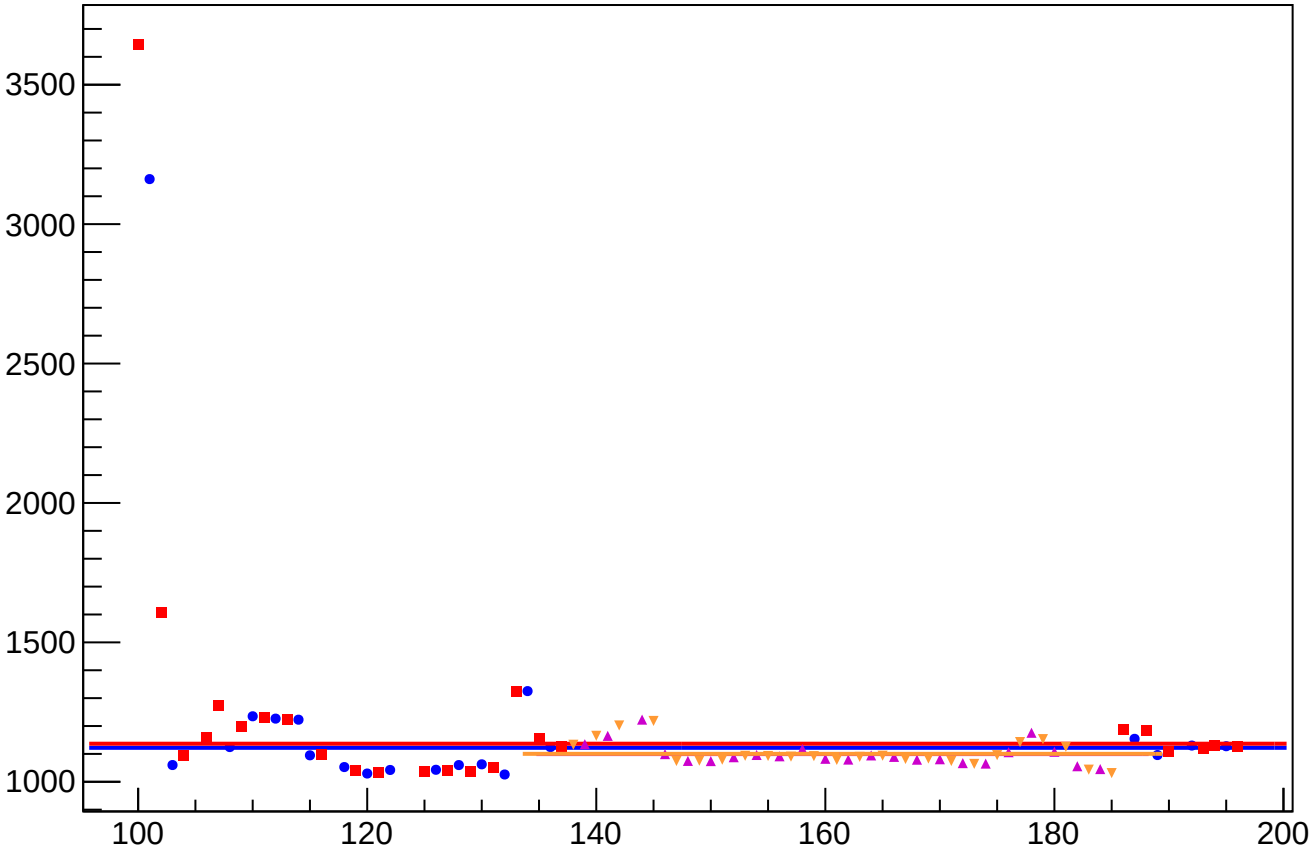
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 315.341+/-209.237 χ^2/NDF: 46.3/43

All: 107.411+/-146.461 χ^2/NDF: 103.9/90

- sign -92.340+/-205.081 χ^2/NDF: 55.7/46

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.871+/-0.258 χ^2/NDF: 618064.9/19

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

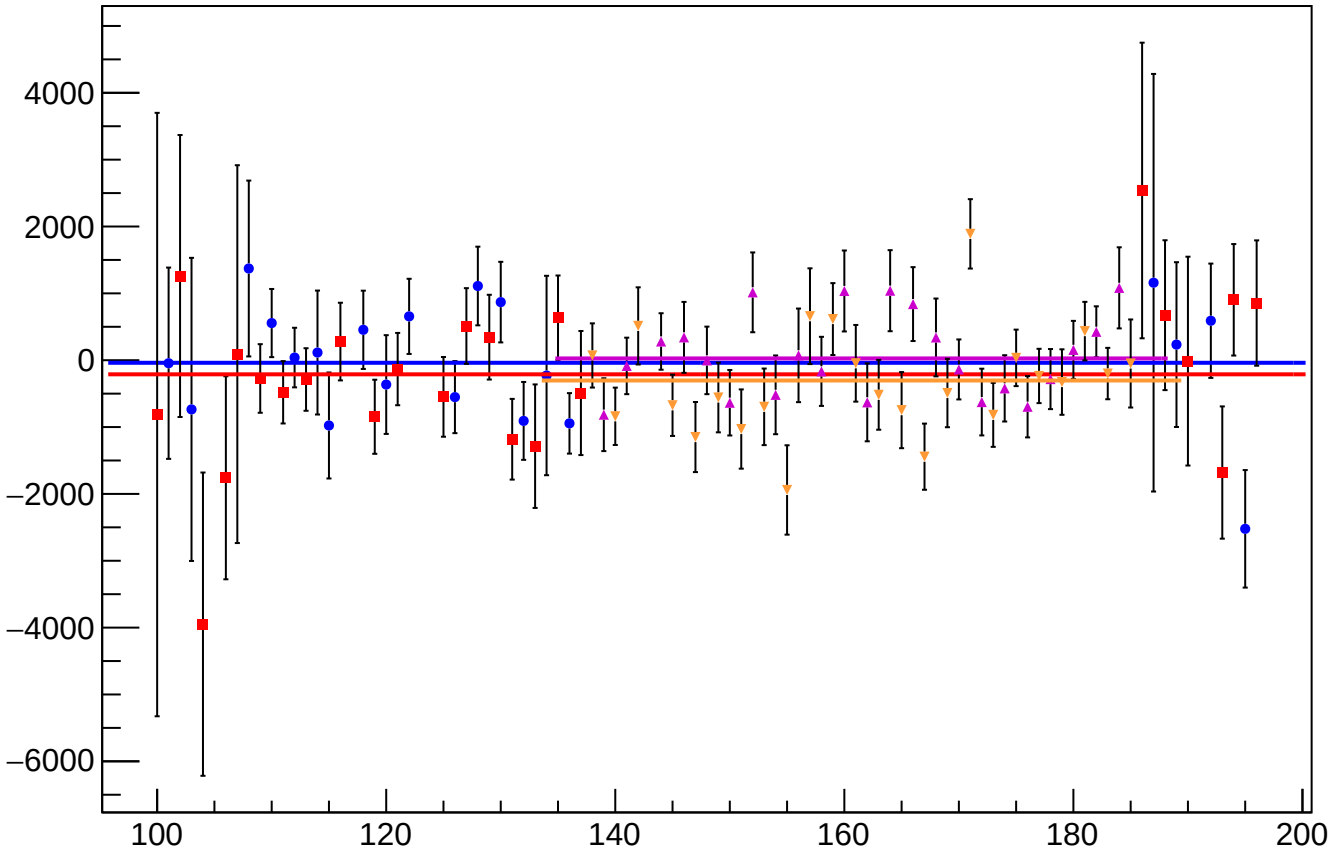
Right Out: 1136.587+/-0.241 χ^2/NDF: 233096.2/23

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1107.383+/-0.148 χ^2/NDF: 671554.6/43

All: 1110.169+/-0.104 χ^2/NDF: 965377.2/90

- sign 1112.845+/-0.145 χ^2/NDF: 293127.2/46



Right In: -38.483+/-155.042 χ^2/NDF: 28.5/19

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

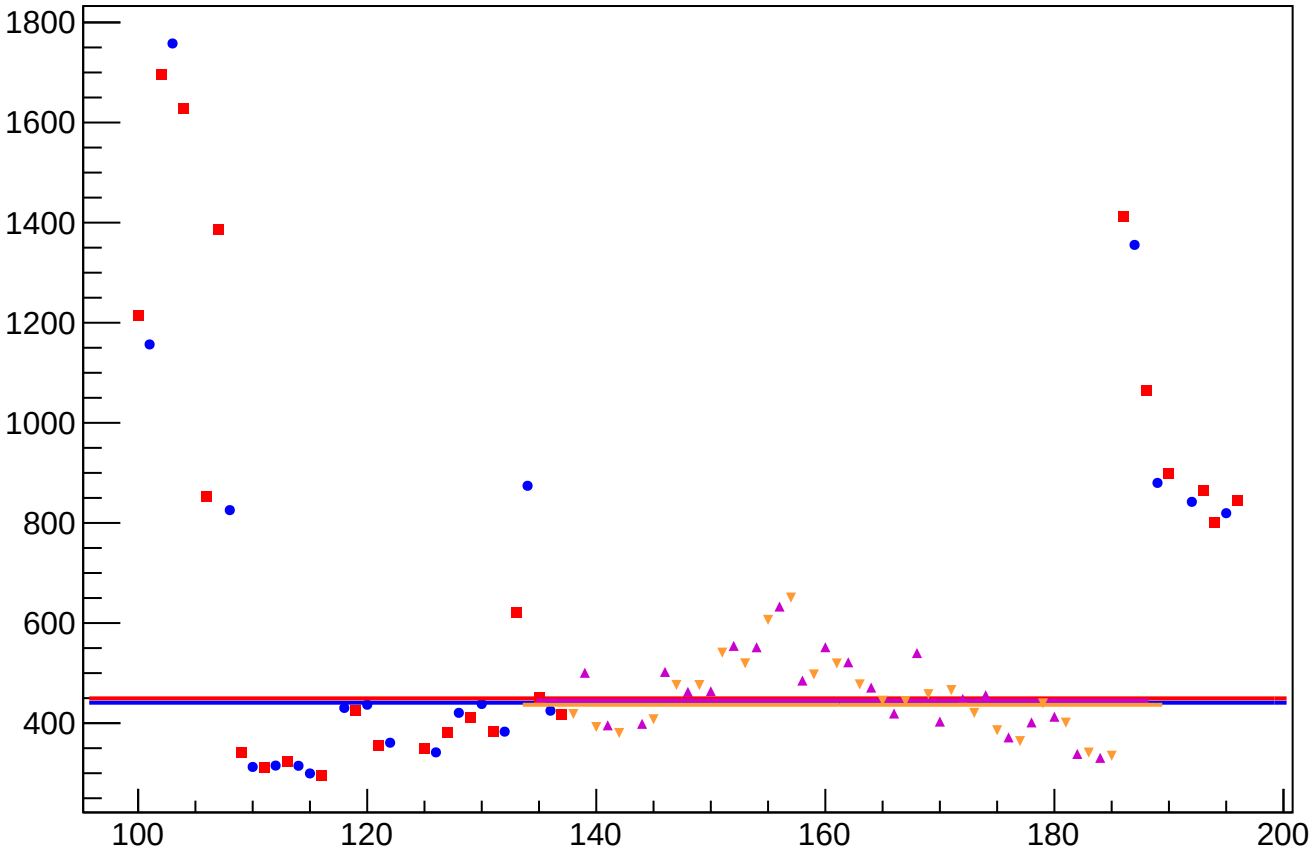
Right Out: -211.069+/-149.653 χ^2/NDF: 22.7/23

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -222.178+/-85.781 χ^2/NDF: 80.0/43

All: -137.552+/-60.798 χ^2/NDF: 134.2/90

- sign -52.130+/-86.184 χ^2/NDF: 52.3/46



Right In: 440.900+/-0.110 χ^2/NDF: 3272642.0/19

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 449.541+/-0.106 χ^2/NDF: 4664984.7/23

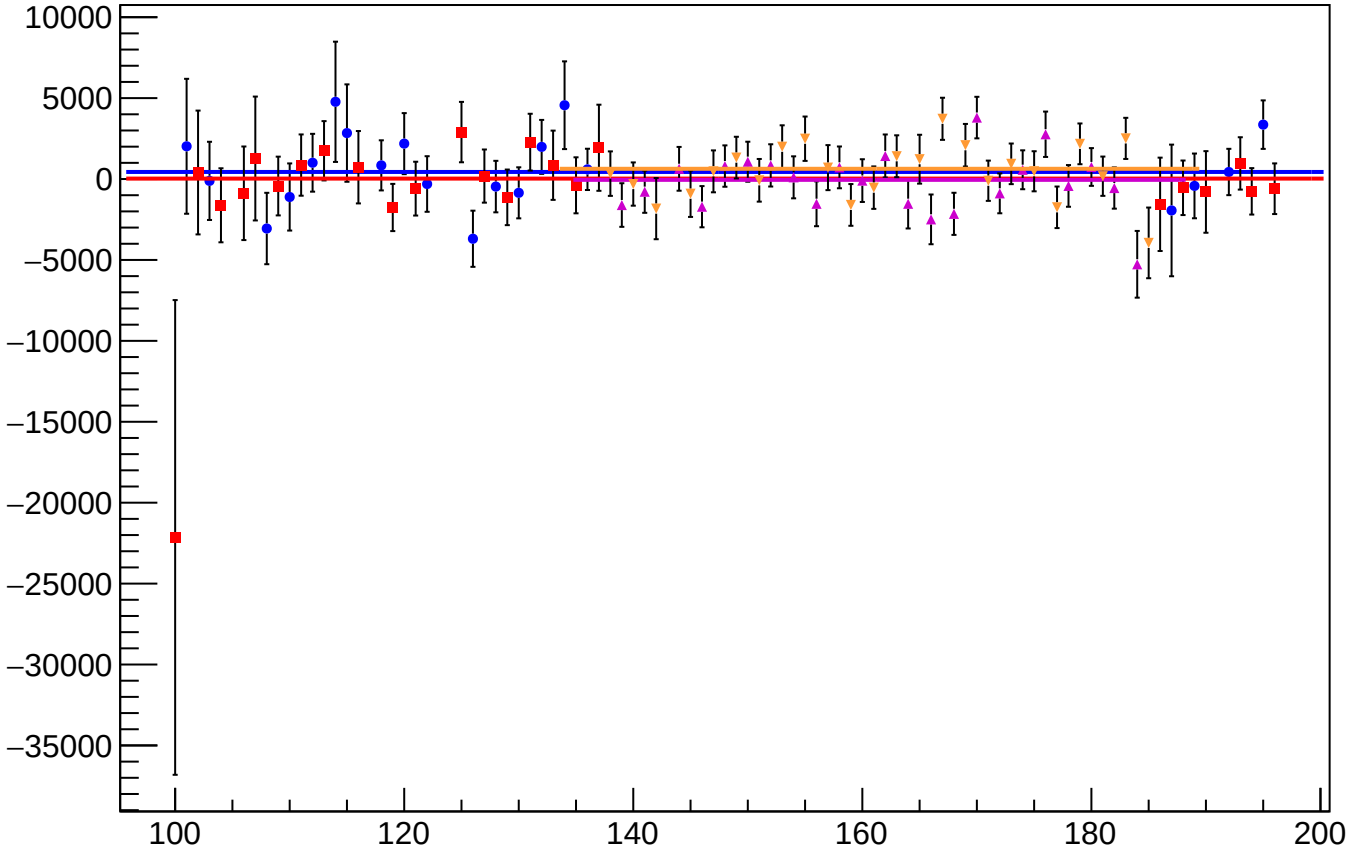
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 438.046+/-0.061 χ^2/NDF: 4128855.0/43

All: 442.292+/-0.043 χ^2/NDF: 9679429.8/90

- sign 446.579+/-0.061 χ^2/NDF: 5540726.4/46

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 436.990+/-419.439 χ^2/NDF: 20.7/19

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 26.870+/-398.859 χ^2/NDF: 12.4/23

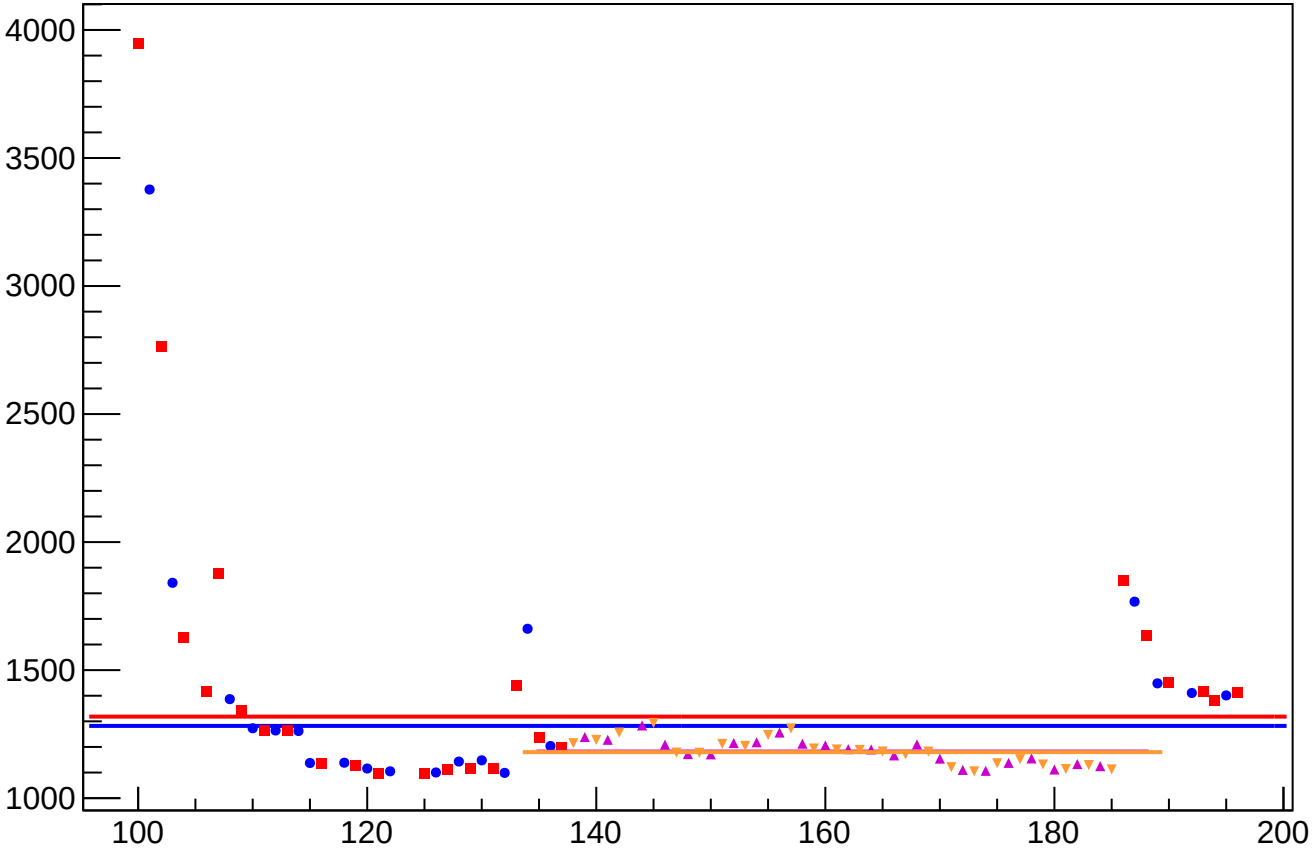
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 574.267+/-229.427 χ^2/NDF: 50.9/43

All: 271.223+/-161.393 χ^2/NDF: 101.9/90

- sign -25.649+/-227.079 χ^2/NDF: 47.5/46

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1282.167+/-0.297 χ^2/NDF: 869386.1/19

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

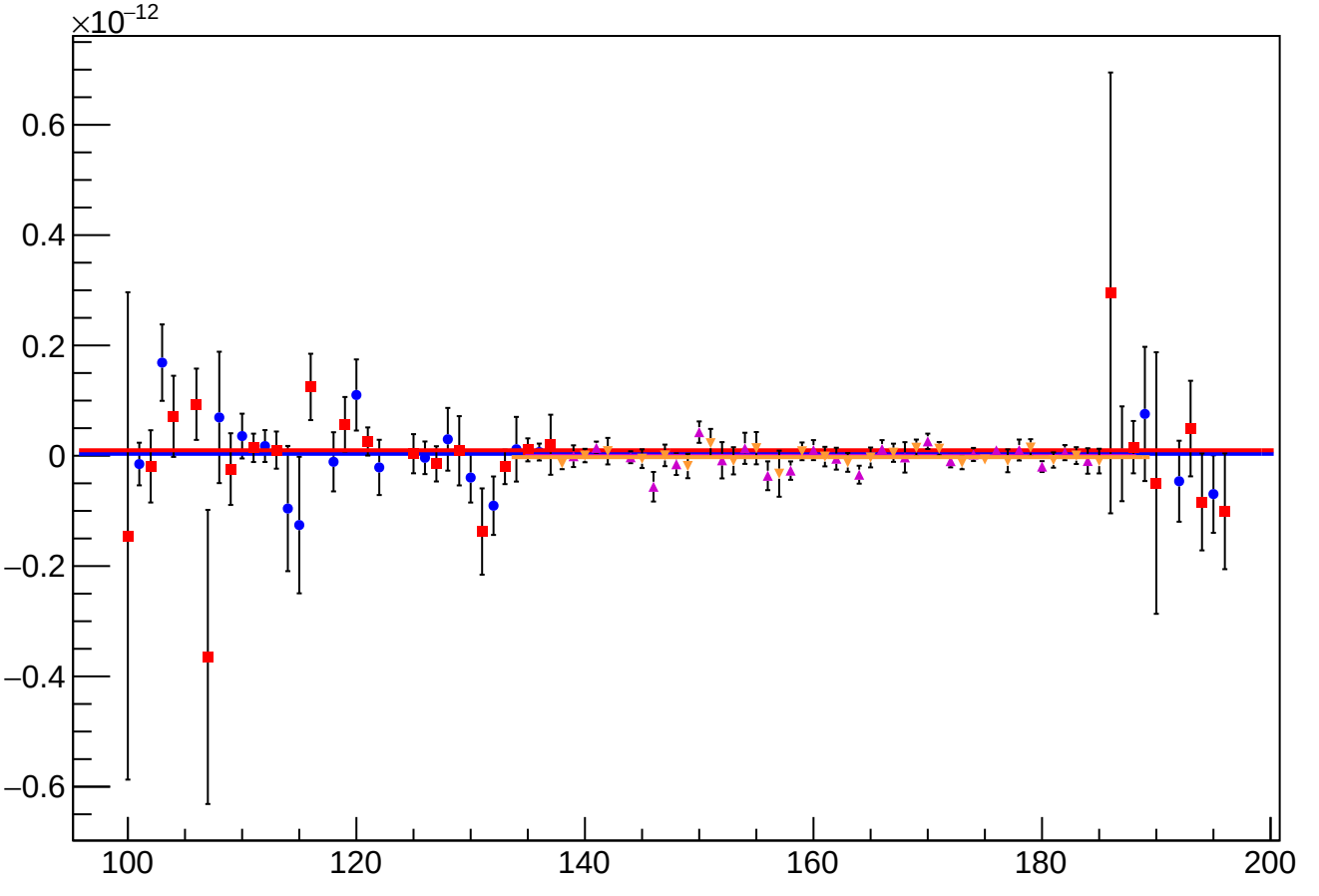
Right Out: 1318.437+/-0.282 χ^2/NDF: 810543.0/23

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1210.367+/-0.162 χ^2/NDF: 1017680.8/43

All: 1218.352+/-0.114 χ^2/NDF: 2051710.0/90

\- sign 1226.175+/-0.161 χ^2/NDF: 1029232.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

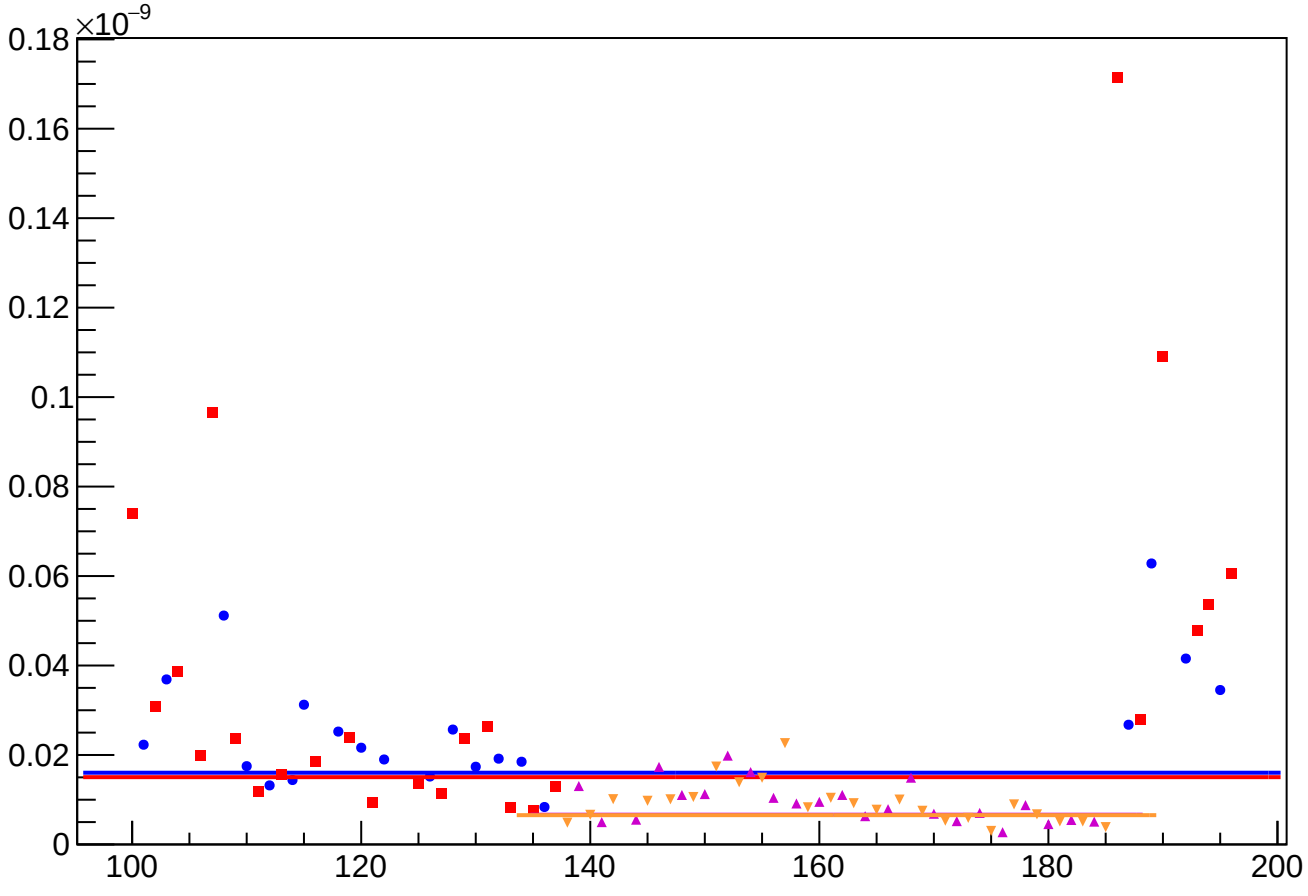
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/23

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/43

All: -0.000+/-0.000 χ^2/NDF: 81.3/90

- sign 0.000+/-0.000 χ^2/NDF: 51.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 1819997.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

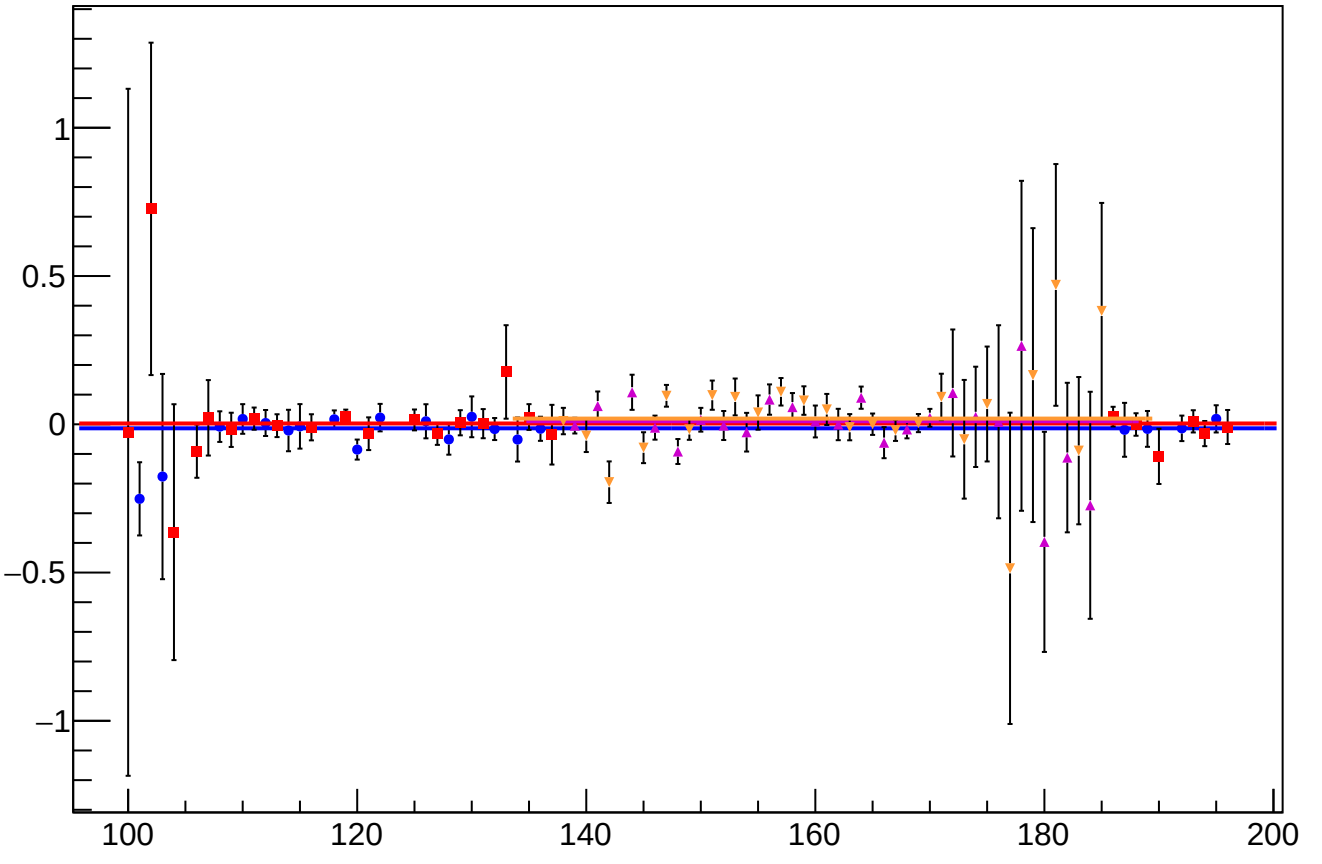
Right Out: 0.000+/-0.000 χ^2/NDF: 3084814.1/23

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6001896.1/43

All: 0.000+/-0.000 χ^2/NDF: 13172866.0/90

- sign 0.000+/-0.000 χ^2/NDF: 7170207.6/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

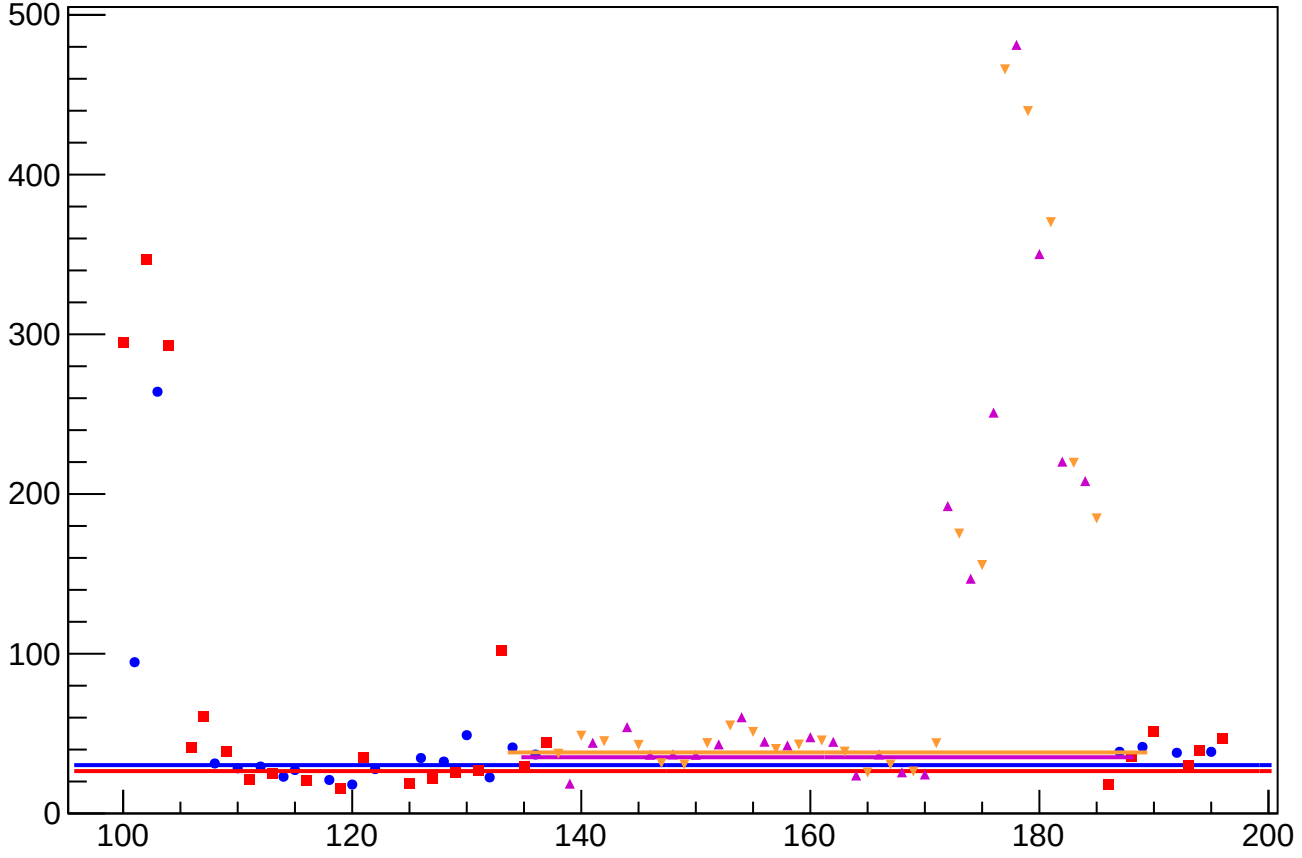
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.8/43

All: 0.005+/-0.005 χ^2/NDF: 87.3/90

- 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: 30.267+/-0.008 χ^2/NDF: 2509160.9/19

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

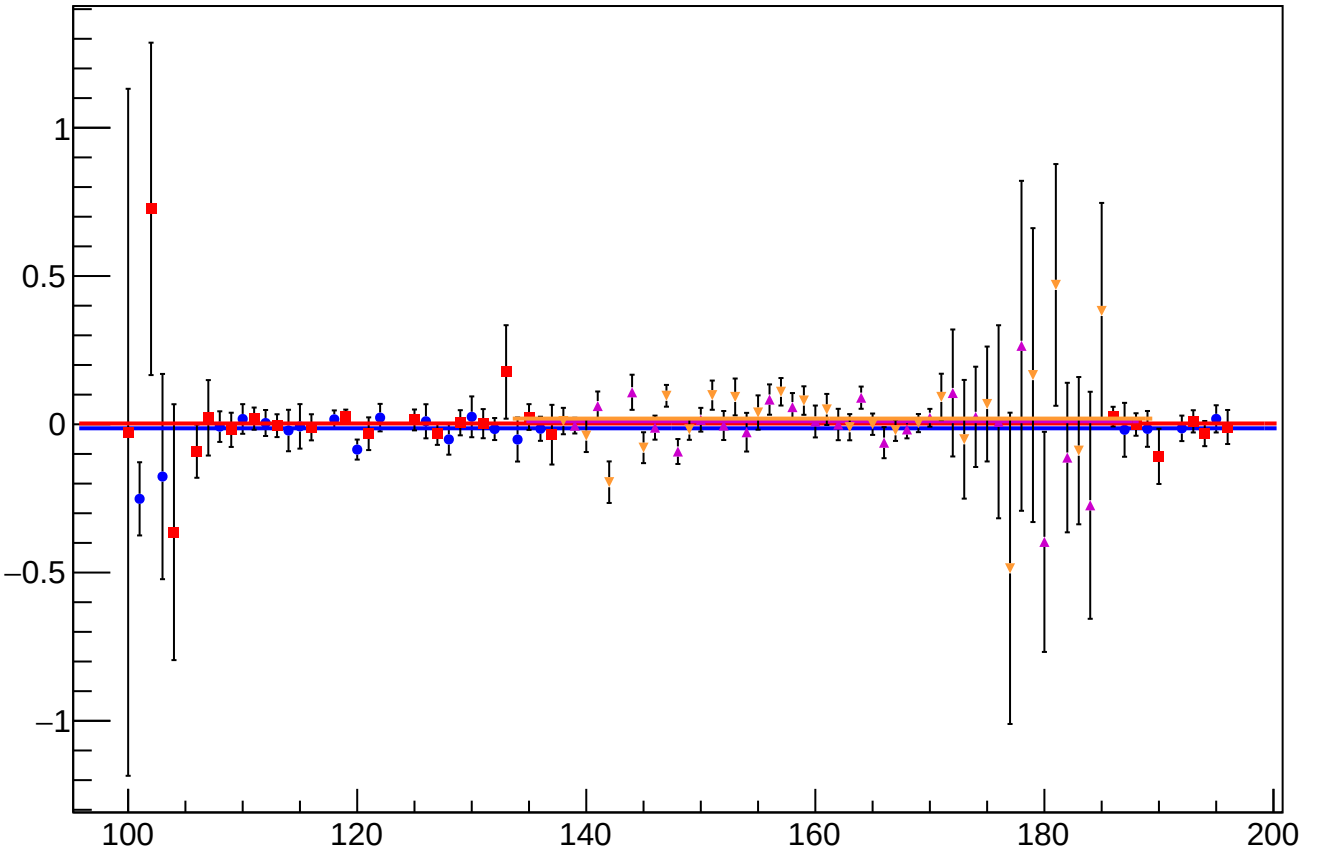
Right Out: 26.528+/-0.007 χ^2/NDF: 3850782.9/23

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316569.3/43

All: 32.264+/-0.004 χ^2/NDF: 25588333.2/90

- sign 30.555+/-0.005 χ^2/NDF: 14005373.5/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

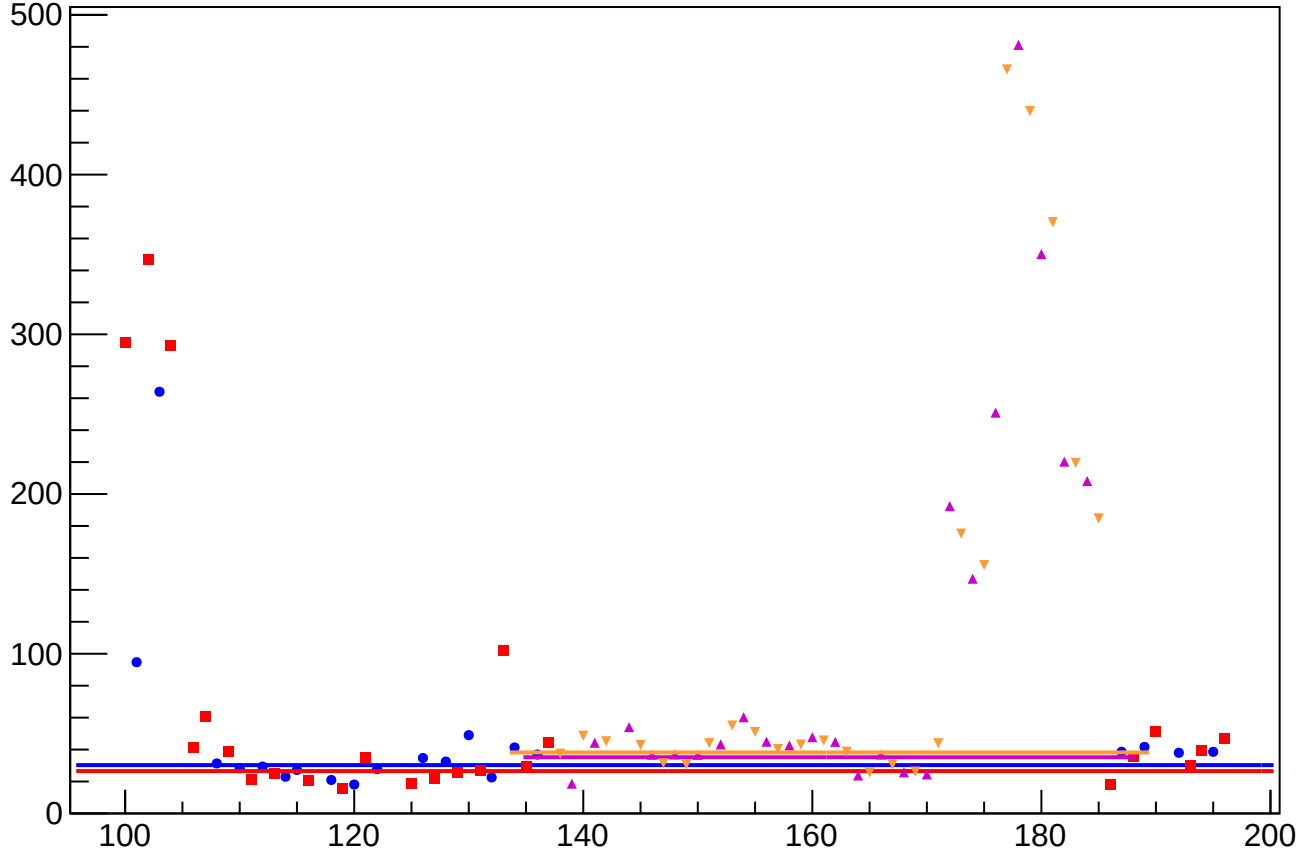
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.8/43

All: 0.005+/-0.005 χ^2/NDF: 87.3/90

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.267+/-0.008 χ^2/NDF: 2509160.9/19

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

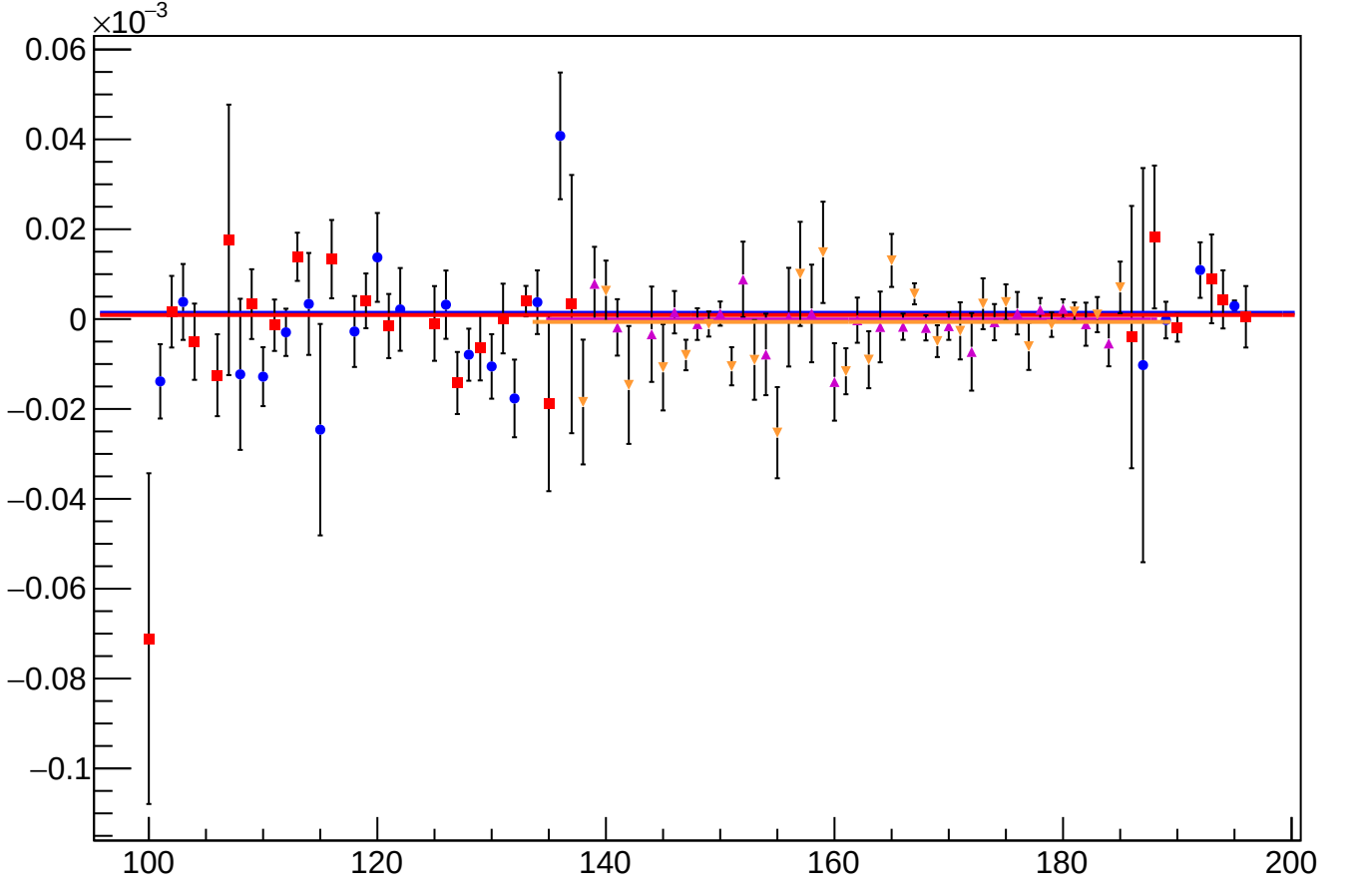
Right Out: 26.528+/-0.007 χ^2/NDF: 3850782.9/23

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316569.3/43

All: 32.264+/-0.004 χ^2/NDF: 25588333.2/90

- sign 30.555+/-0.005 χ^2/NDF: 14005373.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 35.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

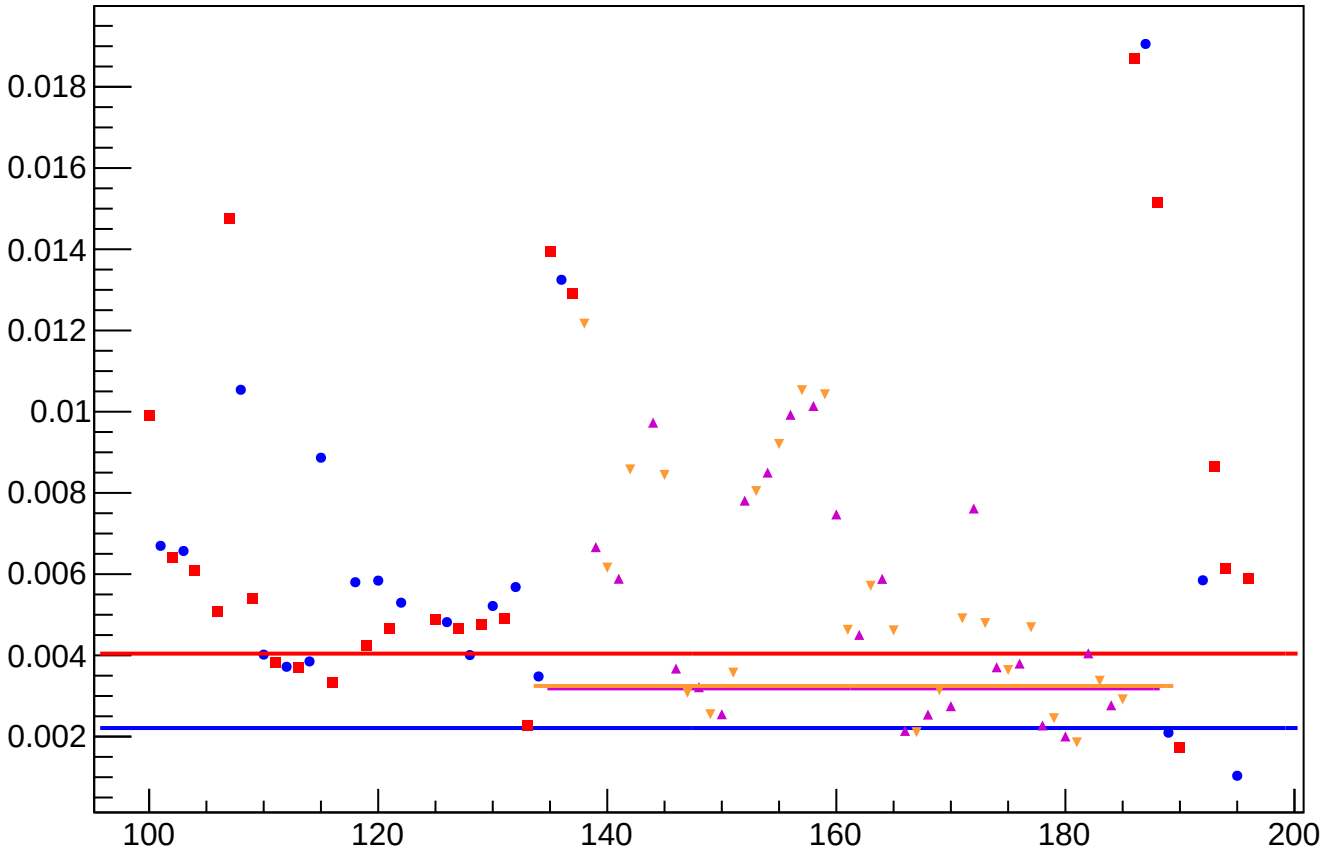
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.5/43

All: 0.000+/-0.000 χ^2/NDF: 125.9/90

- sign 0.000+/-0.000 χ^2/NDF: 37.4/46



Right In: 0.002+/-0.000 χ^2/NDF: 8274166.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

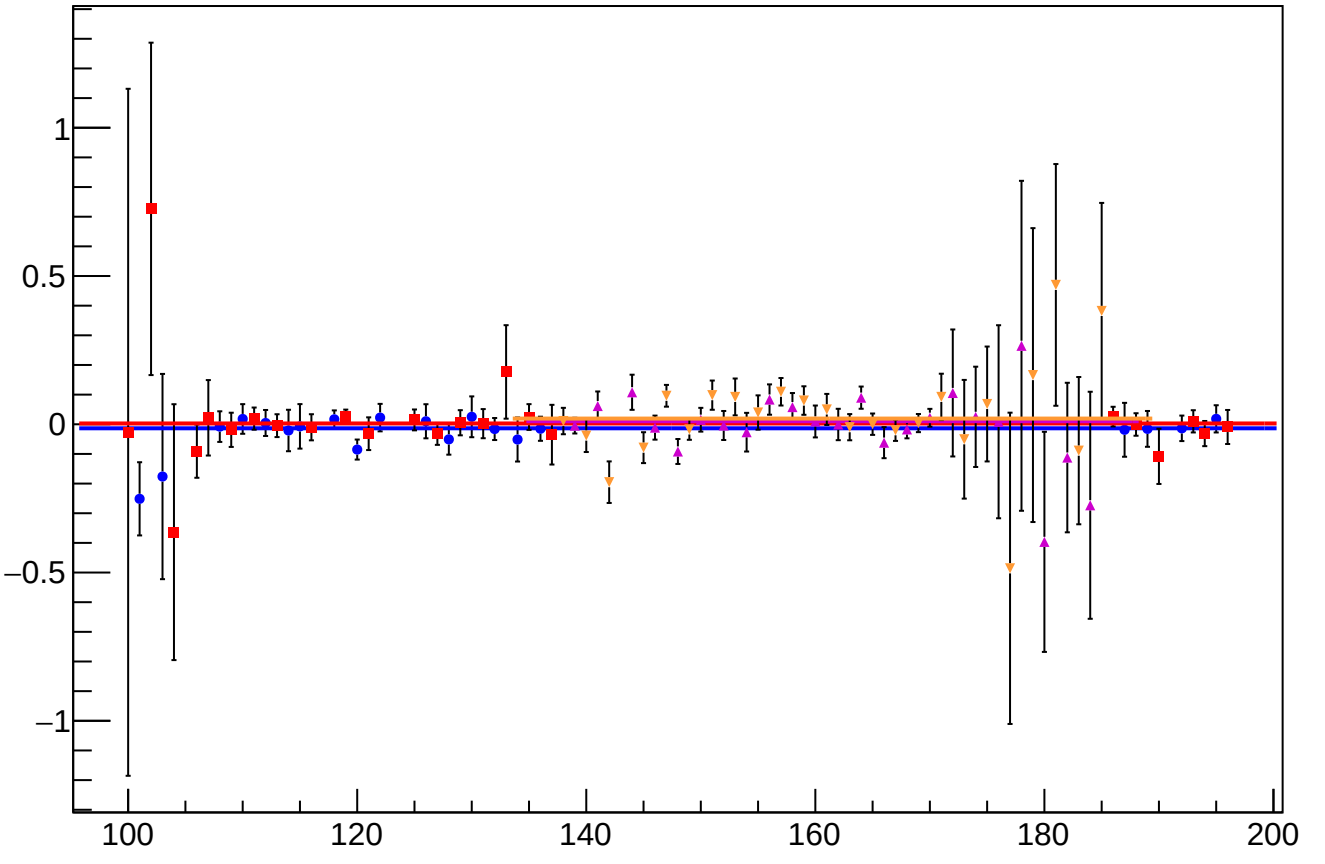
Right Out: 0.004+/-0.000 χ^2/NDF: 5437765.5/23

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 17239568.4/43

All: 0.003+/-0.000 χ^2/NDF: 31321167.4/90

- sign 0.003+/-0.000 χ^2/NDF: 13283753.7/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

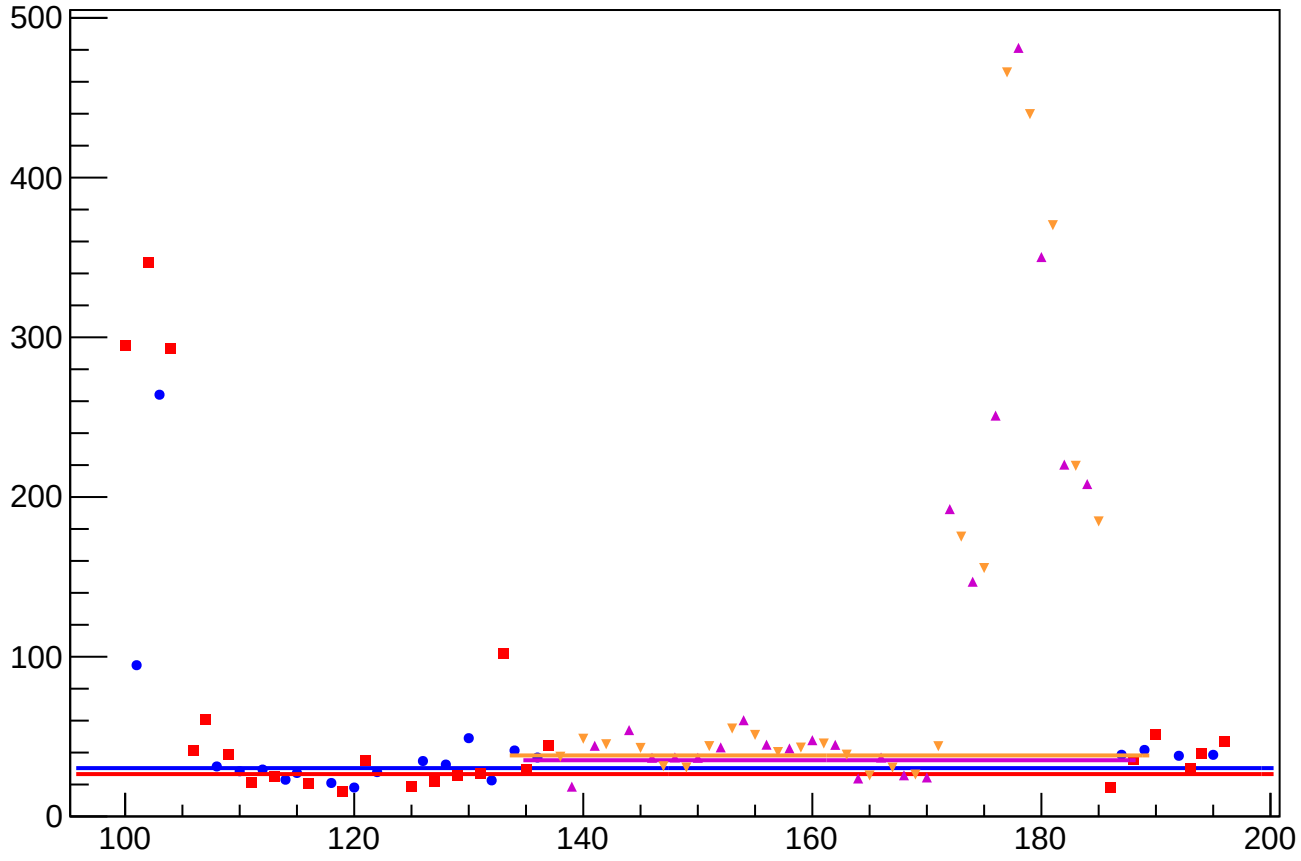
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.8/43

All: 0.005+/-0.005 χ^2/NDF: 87.3/90

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

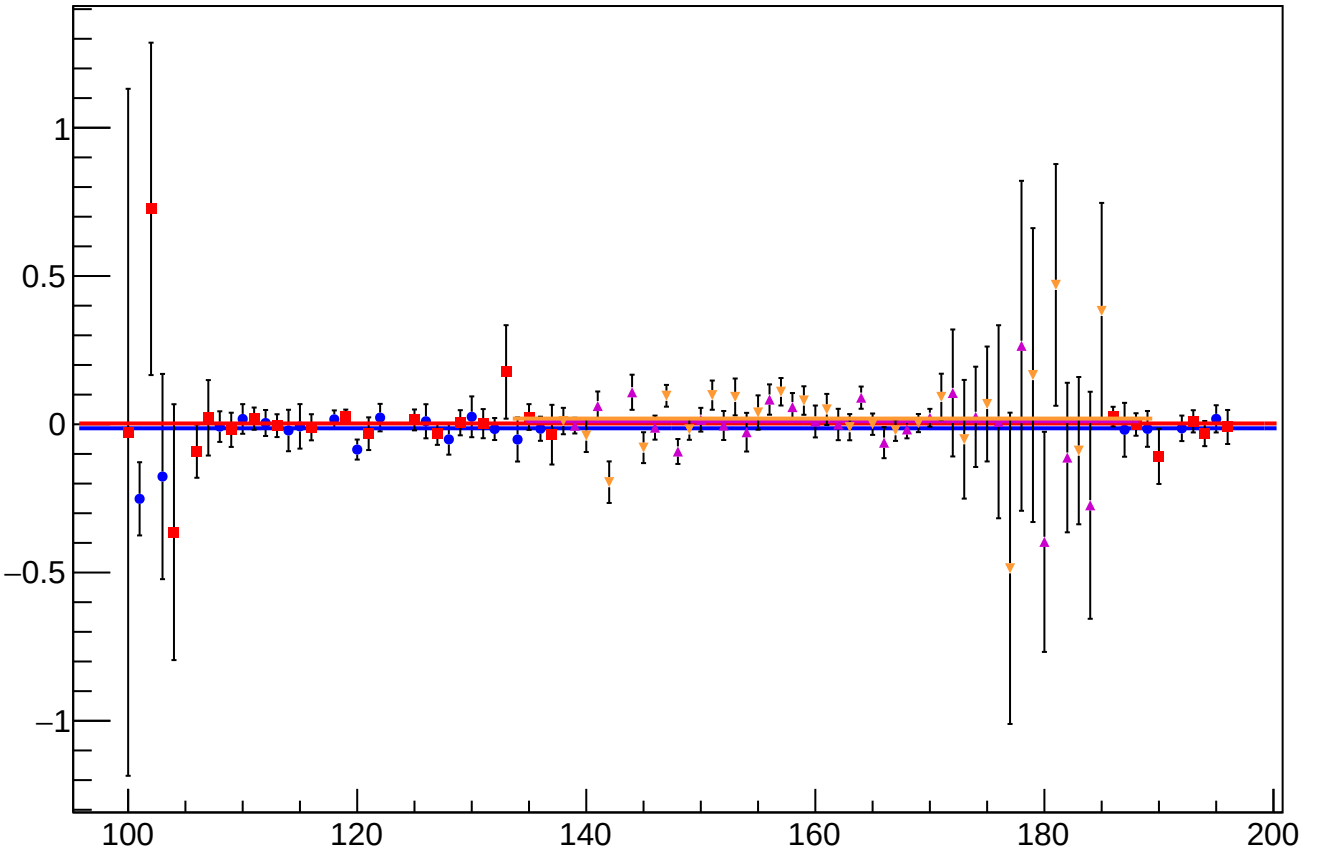
Right Out: 26.525+/-0.007 χ^2/NDF: 3851066.5/23

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 34.370+/-0.005 χ^2/NDF: 11316732.2/43

All: 32.263+/-0.004 χ^2/NDF: 25589774.6/90

\- sign 30.554+/-0.005 χ^2/NDF: 14006452.6/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

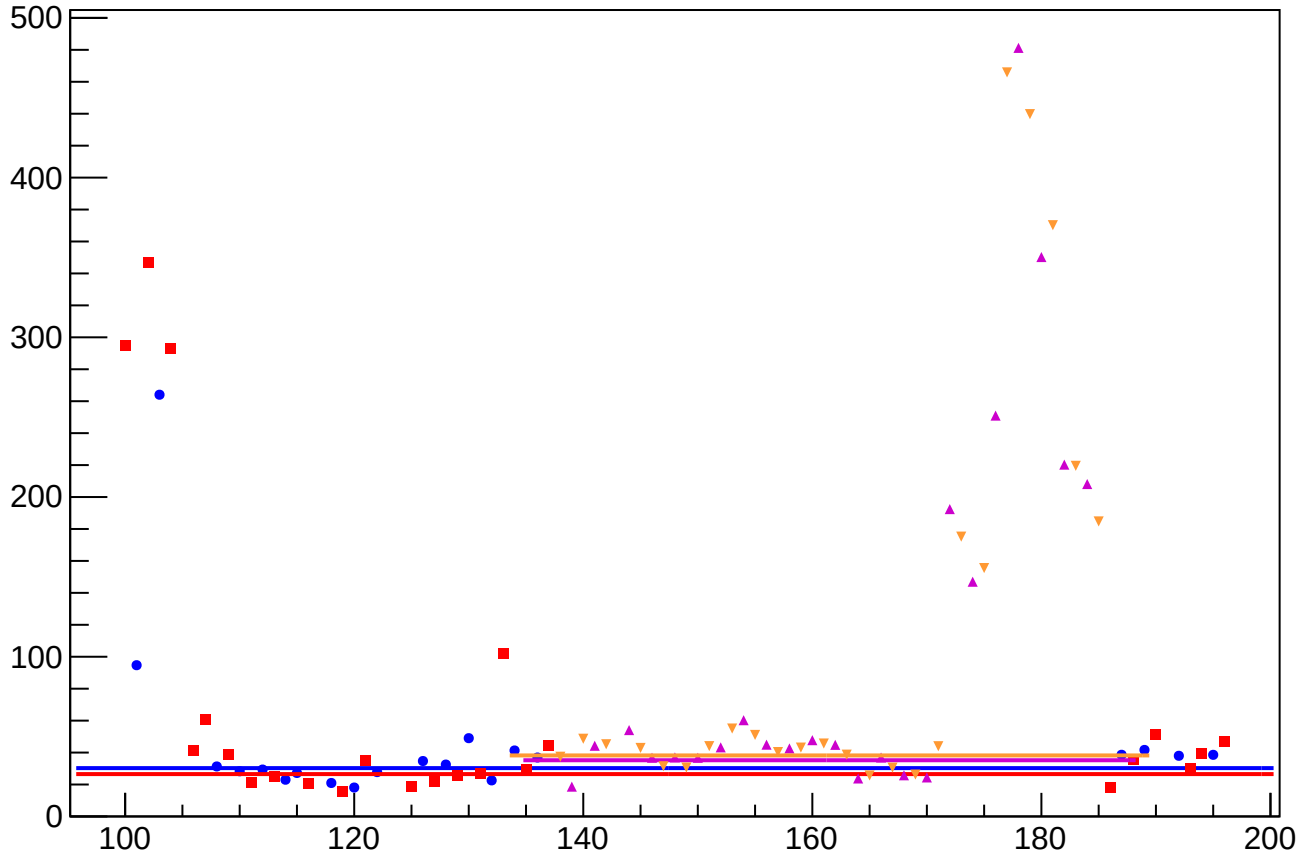
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.8/43

All: 0.005+/-0.005 χ^2/NDF: 87.3/90

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

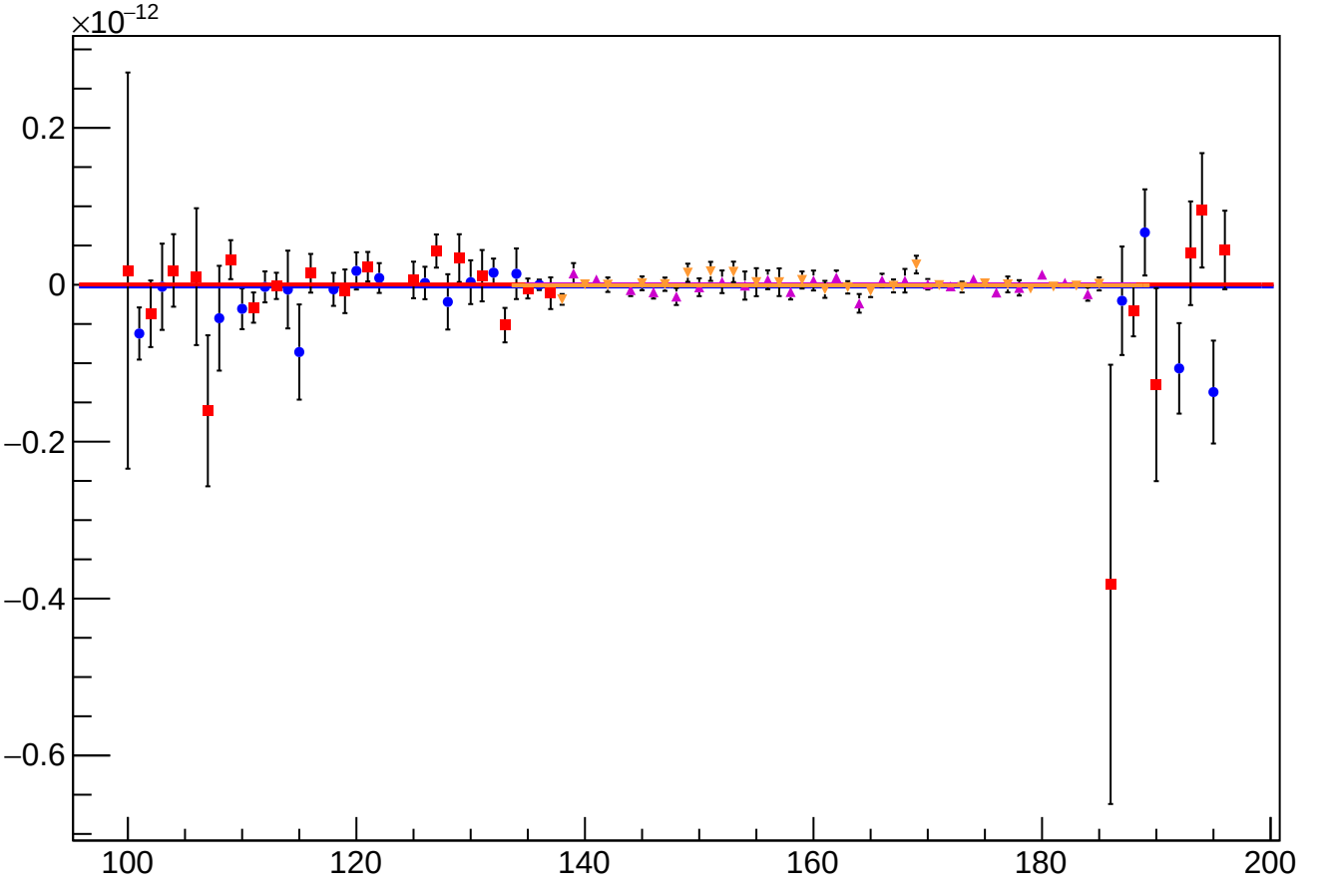
Right Out: 26.525+/-0.007 χ^2/NDF: 3851066.5/23

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316732.2/43

All: 32.263+/-0.004 χ^2/NDF: 25589774.6/90

- sign 30.554+/-0.005 χ^2/NDF: 14006452.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

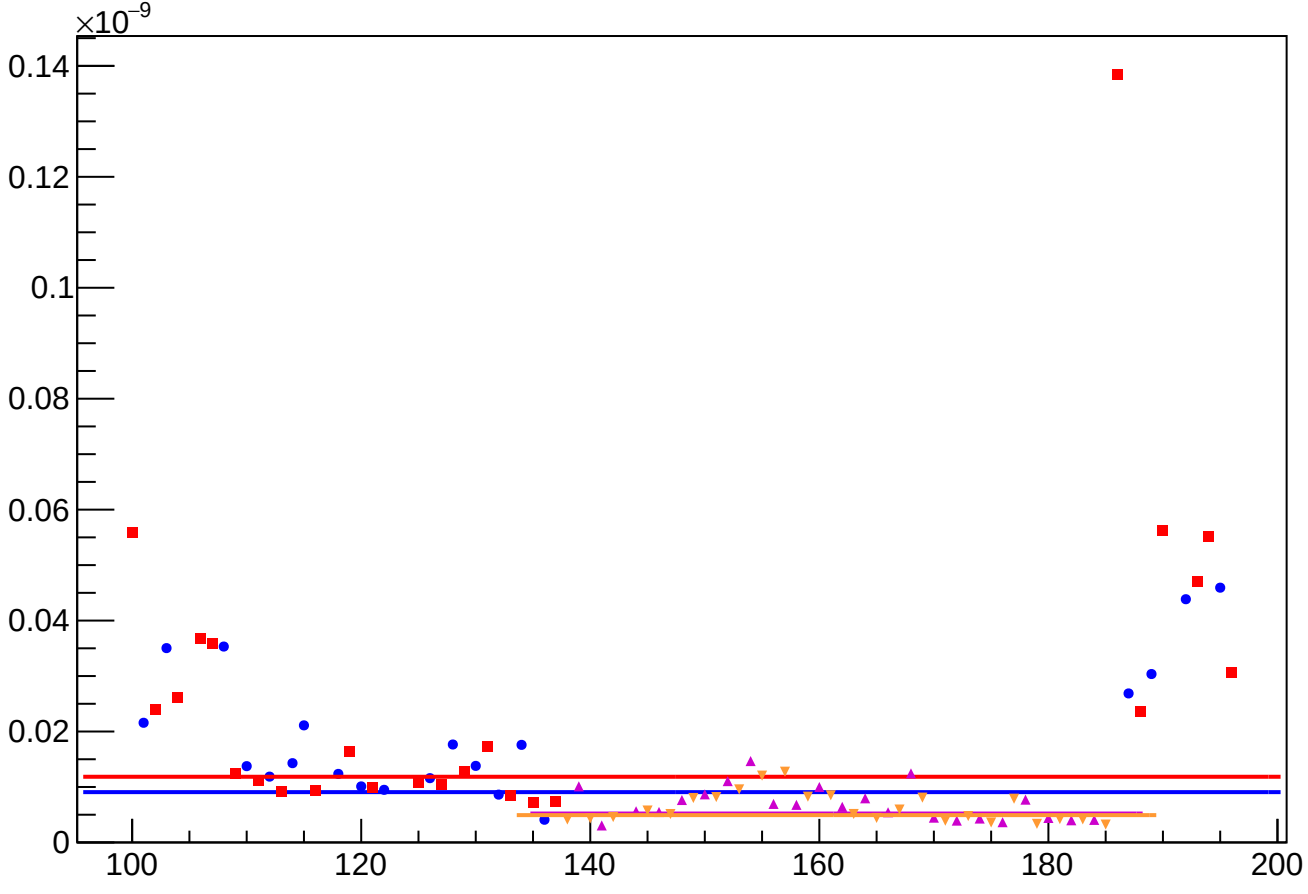
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/23

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/43

All: -0.000+/-0.000 χ^2/NDF: 94.3/90

- sign 0.000+/-0.000 χ^2/NDF: 54.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 4542411.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3810675.3/23

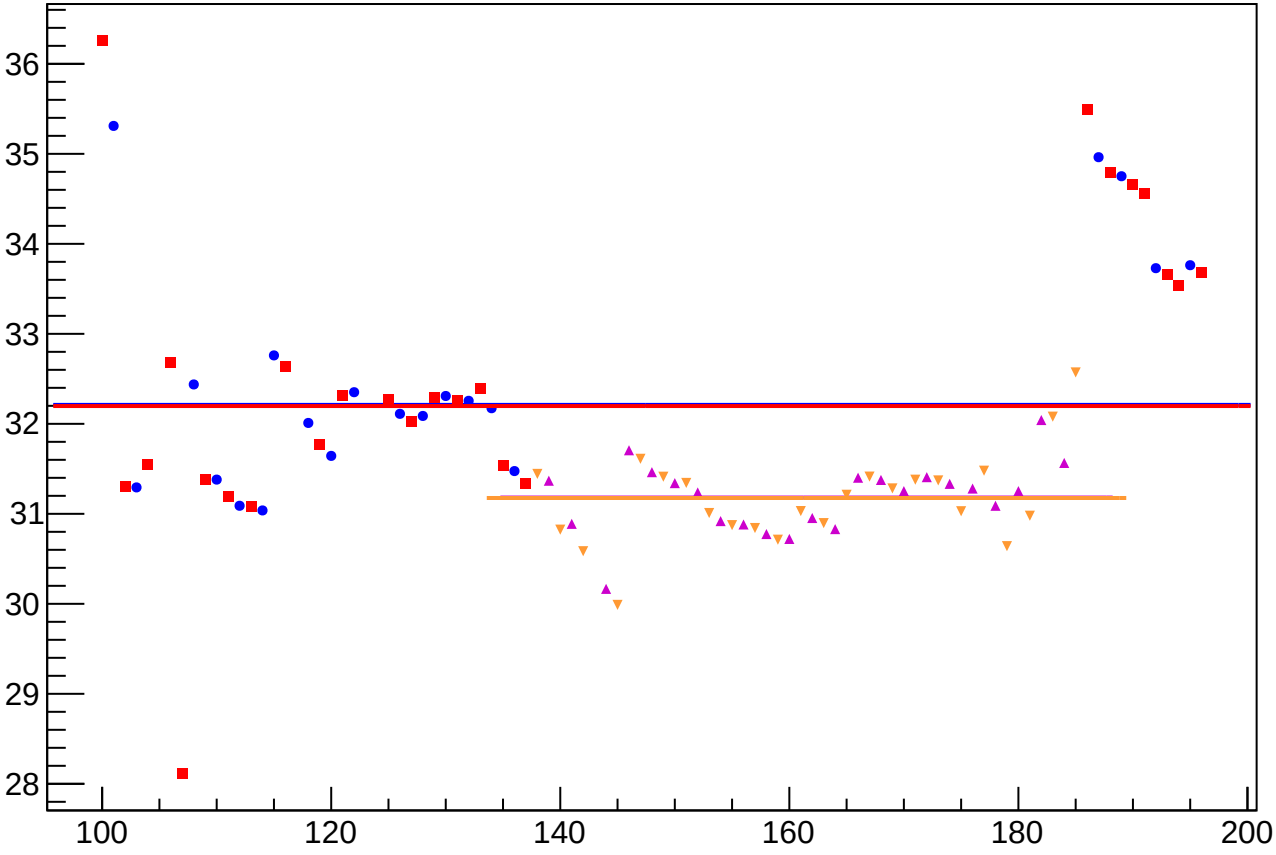
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8562121.1/43

All: 0.000+/-0.000 χ^2/NDF: 18599490.8/90

- sign 0.000+/-0.000 χ^2/NDF: 9960737.5/46

yield_usl_mean vs Slug



Right In: 32.210+/-0.000 χ^2/NDF: 1366070219.3/19

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.198+/-0.000 χ^2/NDF: 1523063563.1/24

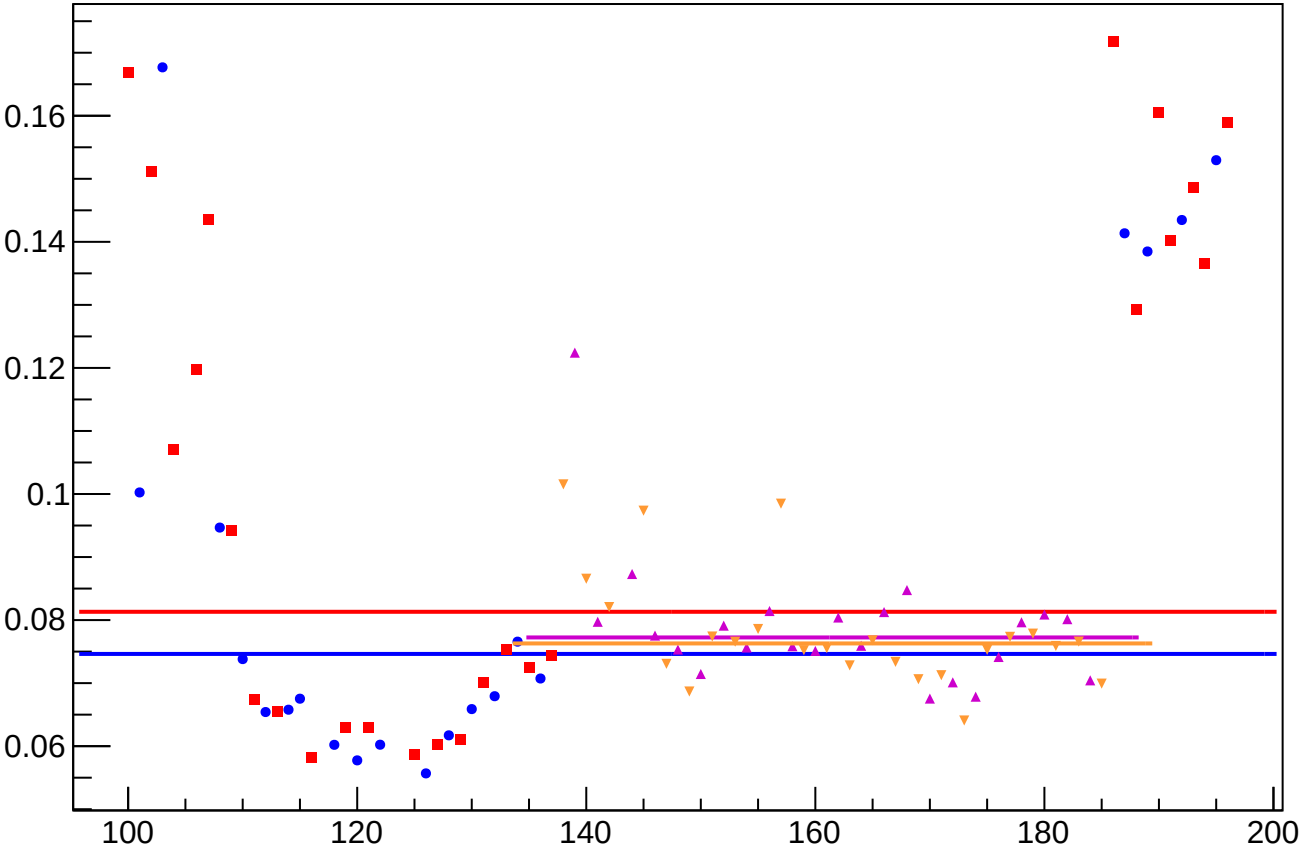
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.523+/-0.000 χ^2/NDF: 2930690988.6/43

All: 31.527+/-0.000 χ^2/NDF: 5814071685.3/9

- sign 31.530+/-0.000 χ^2/NDF: 2883282737.3/47

yield_usl_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF: 1989817.7/19

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.081+/-0.000 χ^2/NDF: 2841379.1/24

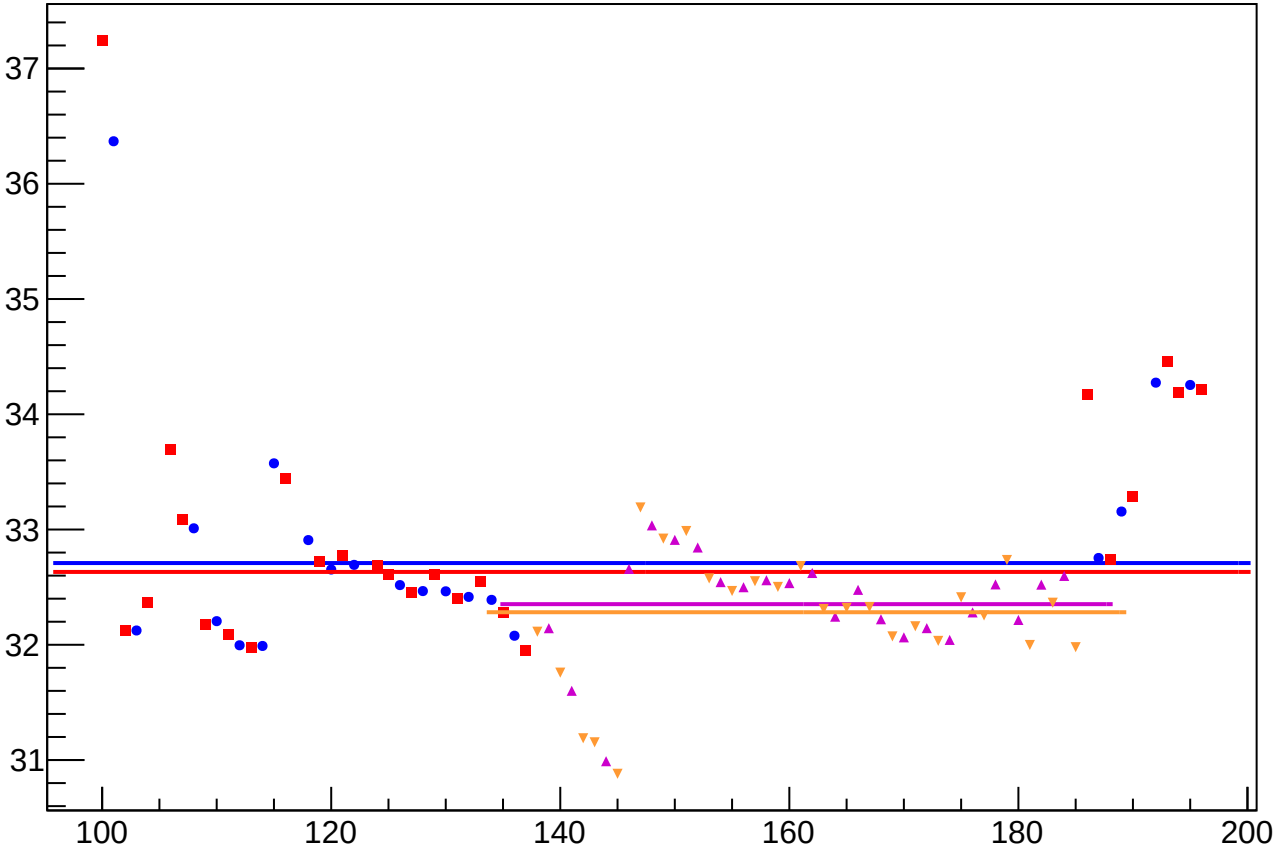
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.076+/-0.000 χ^2/NDF: 2351867.9/43

All: 0.077+/-0.000 χ^2/NDF: 5626143.2/91

- sign 0.079+/-0.000 χ^2/NDF: 3238116.4/47

yield_usr_mean vs Slug



Right In: 32.709+/-0.000 χ^2/NDF: 845241405.3/19

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.632+/-0.000 χ^2/NDF: 373348897.0/24

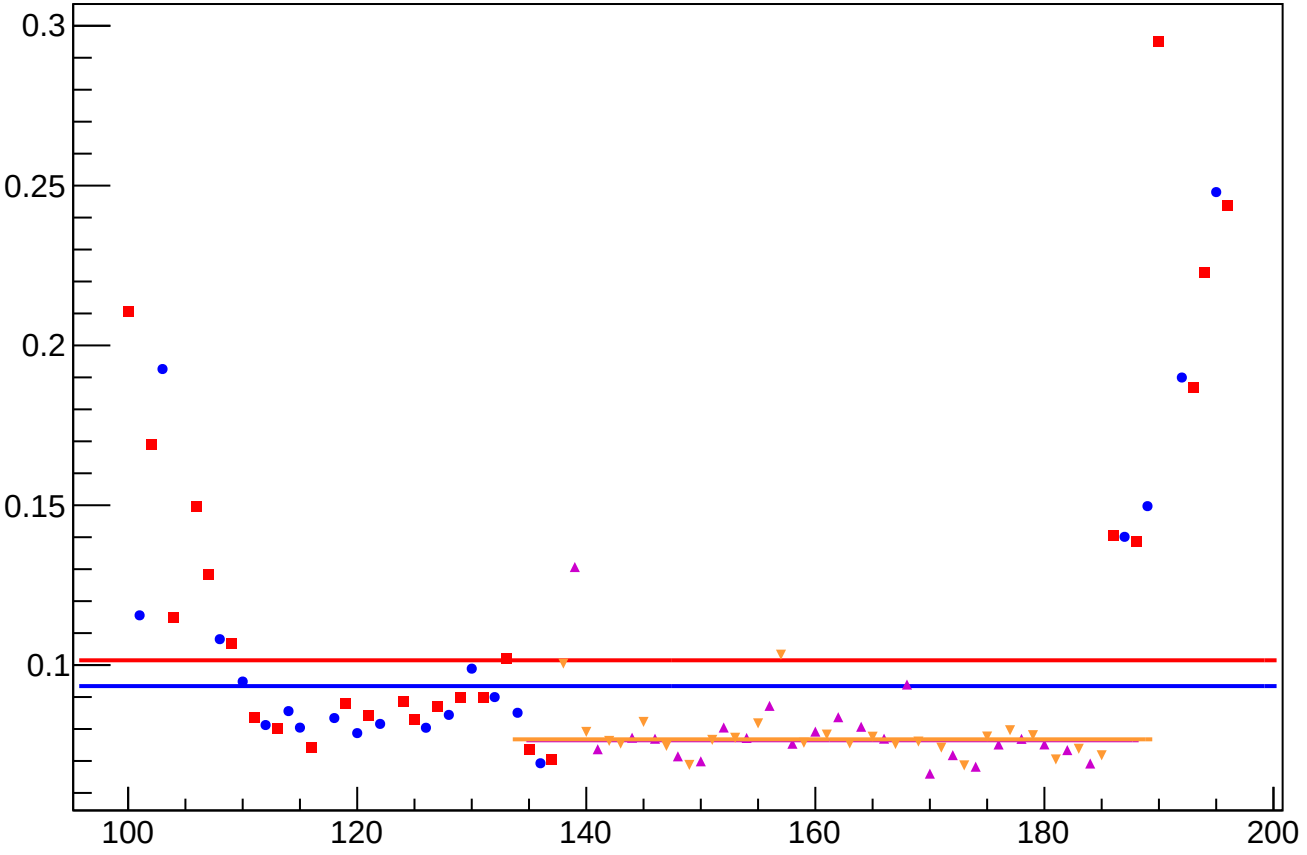
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.382+/-0.000 χ^2/NDF: 1811612506.5/44

All: 32.401+/-0.000 χ^2/NDF: 2831886264.5/9

- sign 32.420+/-0.000 χ^2/NDF: 1017489250.7/47

yield_usr_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 1963185.9/19

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.101+/-0.000 χ^2/NDF: 2666121.7/24

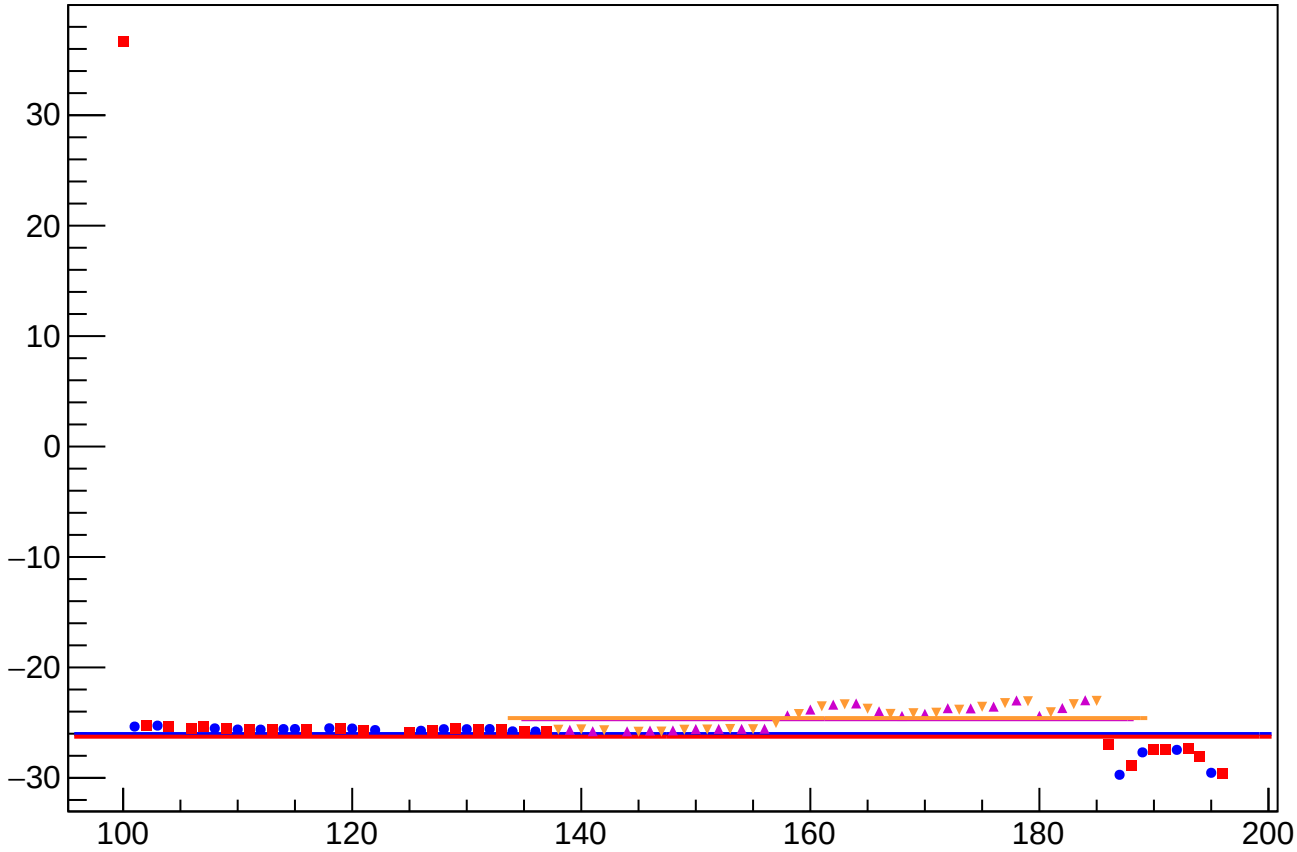
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.081+/-0.000 χ^2/NDF: 2602156.8/44

All: 0.082+/-0.000 χ^2/NDF: 6633949.3/92

- sign 0.083+/-0.000 χ^2/NDF: 4018564.4/47

yield_dsl_mean vs Slug



Right In: -26.031+/-0.000 χ^2/NDF: 5786533324.9/19

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.270+/-0.000 χ^2/NDF: 17662343879.2/24

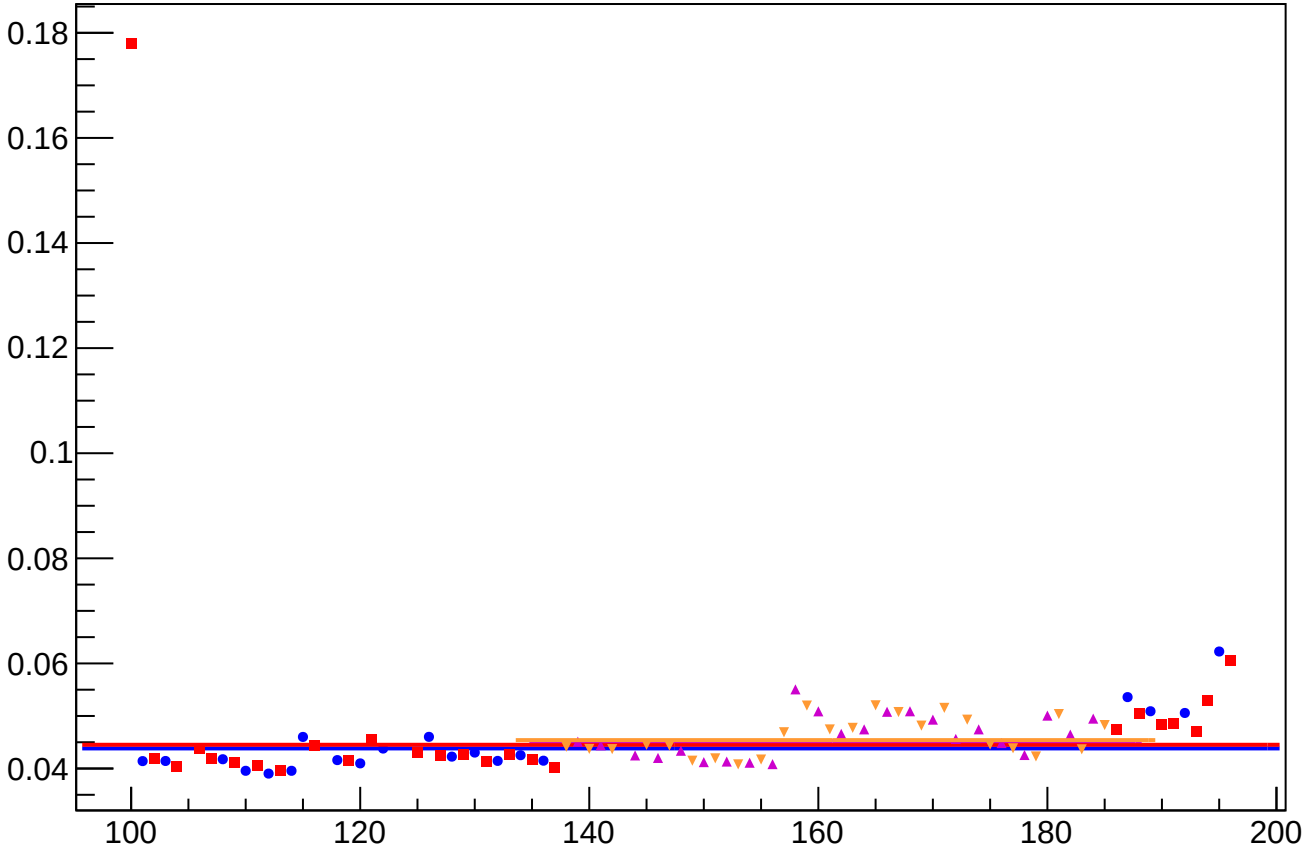
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.111+/-0.000 χ^2/NDF: 21571072128.8/43

All: -25.218+/-0.000 χ^2/NDF: 57063999179.9

- 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: 269071.5/19

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 351677.1/24

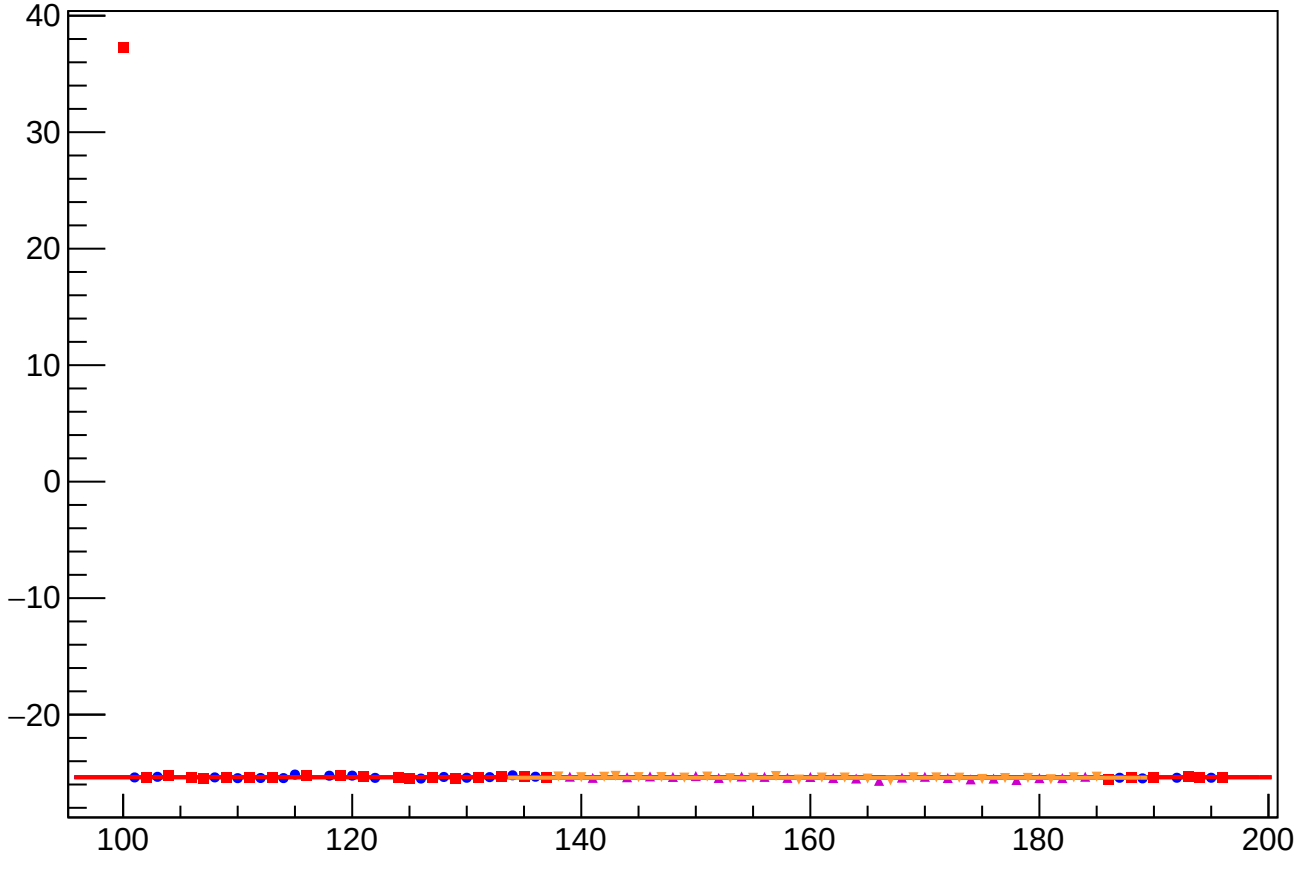
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 490400.5/43

All: 0.045+/-0.000 χ^2/NDF: 1090146.6/91

- sign 0.045+/-0.000 χ^2/NDF: 599605.6/47

yield_dsr_mean vs Slug



Right In: -25.384+/-0.000 χ^2/NDF: 17258472.3/19

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.364+/-0.000 χ^2/NDF: 6329027923.3/24

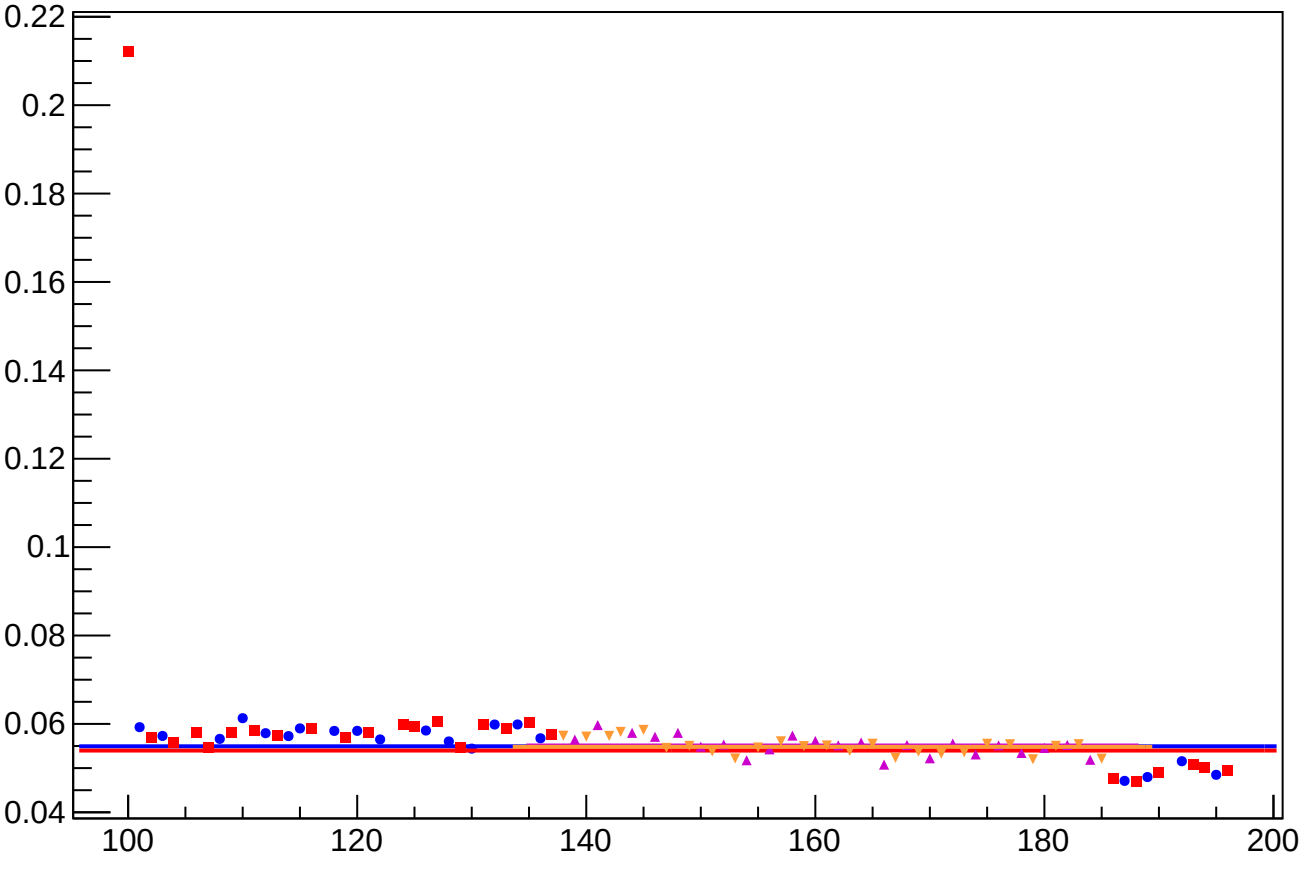
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.406+/-0.000 χ^2/NDF: 71778499.8/44

All: -25.400+/-0.000 χ^2/NDF: 6463183266.5/

- sign -25.394+/-0.000 χ^2/NDF: 6390772344.5/47

yield_dsr_rms vs Slug



Right In: 0.055+/-0.000 χ^2/NDF: 114782.0/19

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

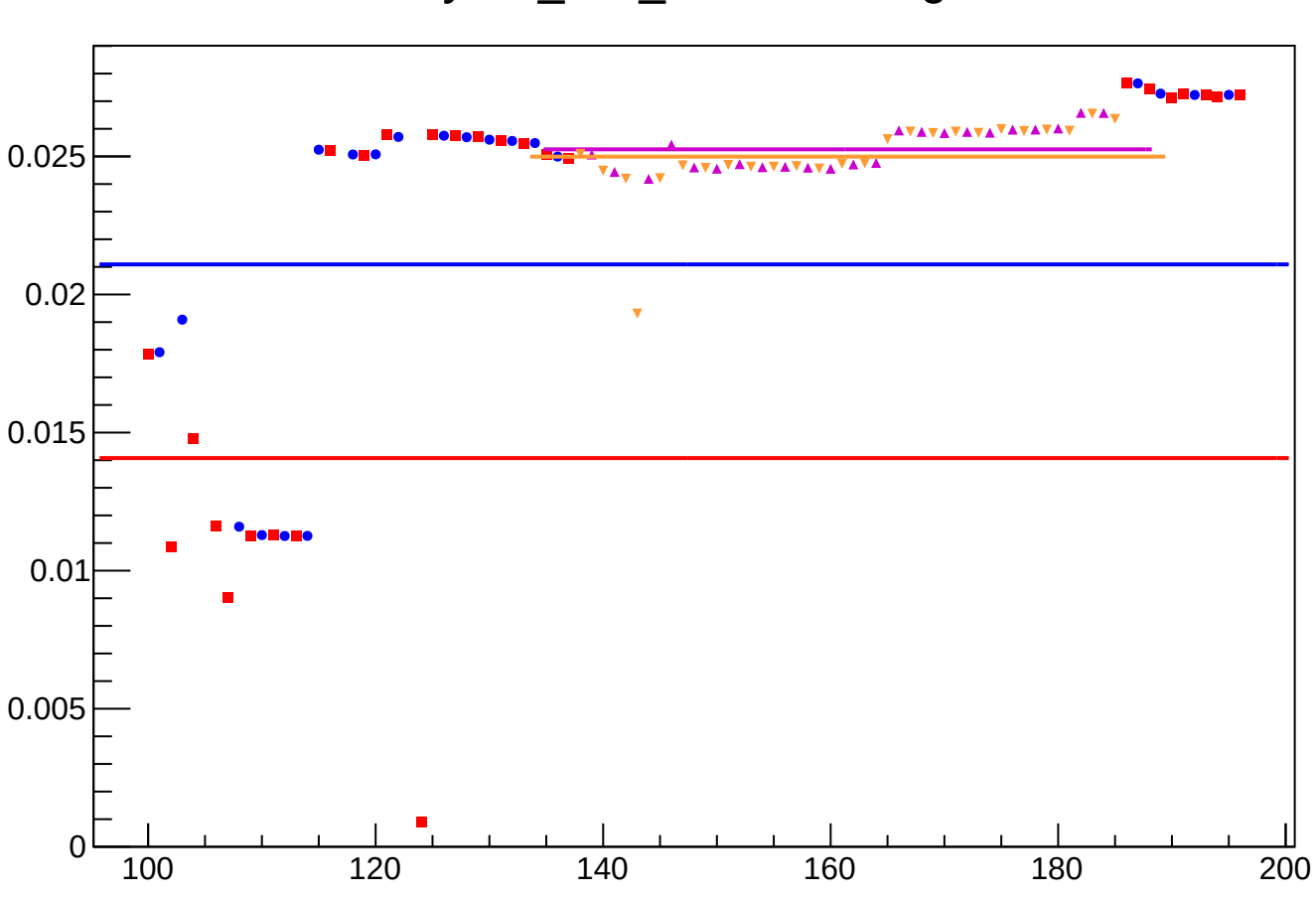
Right Out: 0.054+/-0.000 χ^2/NDF: 251866.1/24

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 152927.6/44

All: 0.055+/-0.000 χ^2/NDF: 462740.9/92

- sign 0.055+/-0.000 χ^2/NDF: 309421.3/47



Right In: 0.021+/-0.000 χ^2/NDF: 75684699411.5/19

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 359197380526.2/25

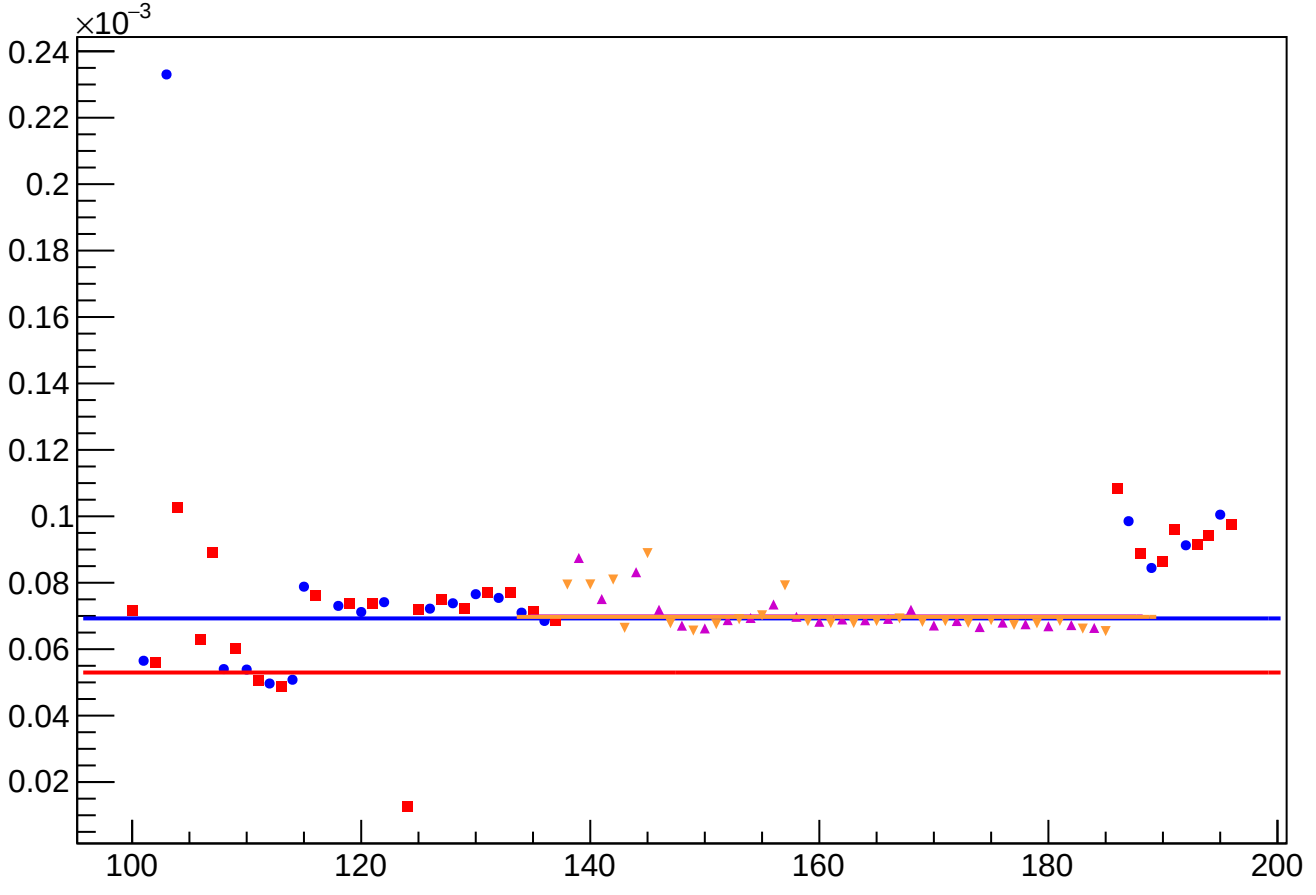
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 102651077334.9/44

All: 0.022+/-0.000 χ^2/NDF: 709661986529.3

- 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: 1218836.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5770394.0/25

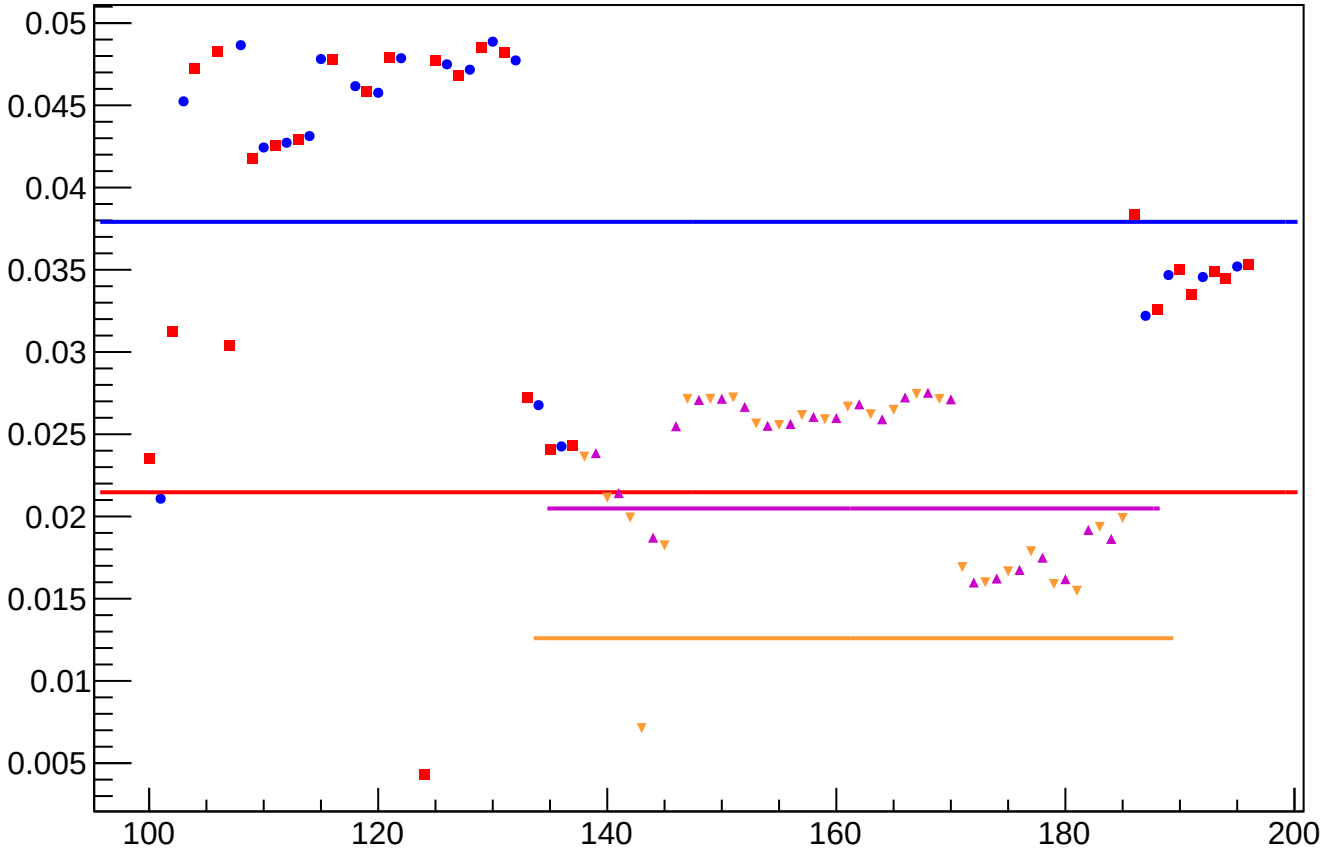
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1407591.4/44

All: 0.000+/-0.000 χ^2/NDF: 8611034.7/93

- sign 0.000+/-0.000 χ^2/NDF: 6871080.4/48

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7193046523.7/19

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 44666893551.7/25

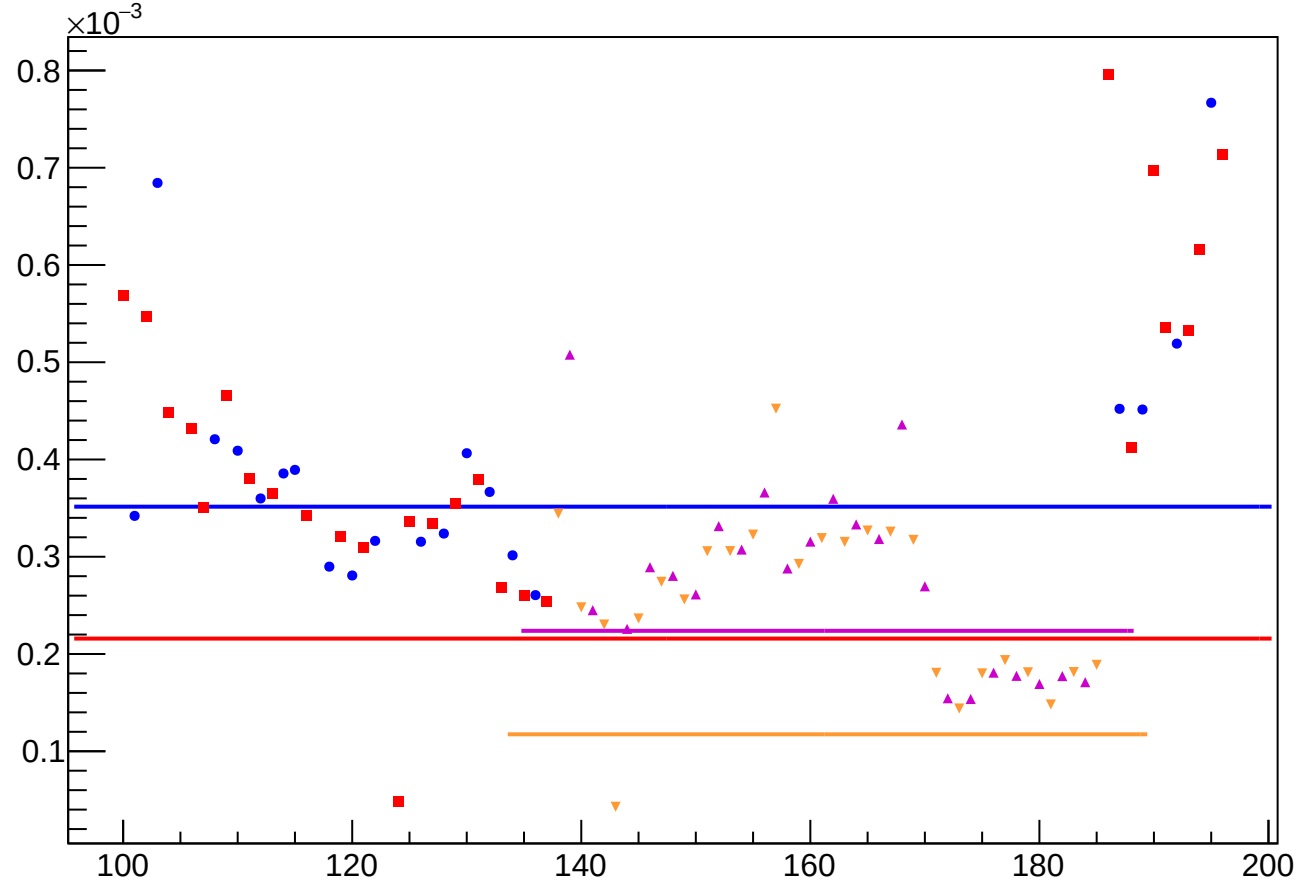
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 84108780428.8/44

All: 0.017+/-0.000 χ^2/NDF: 145650641643.3

- 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: 1385858.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9306114.2/25

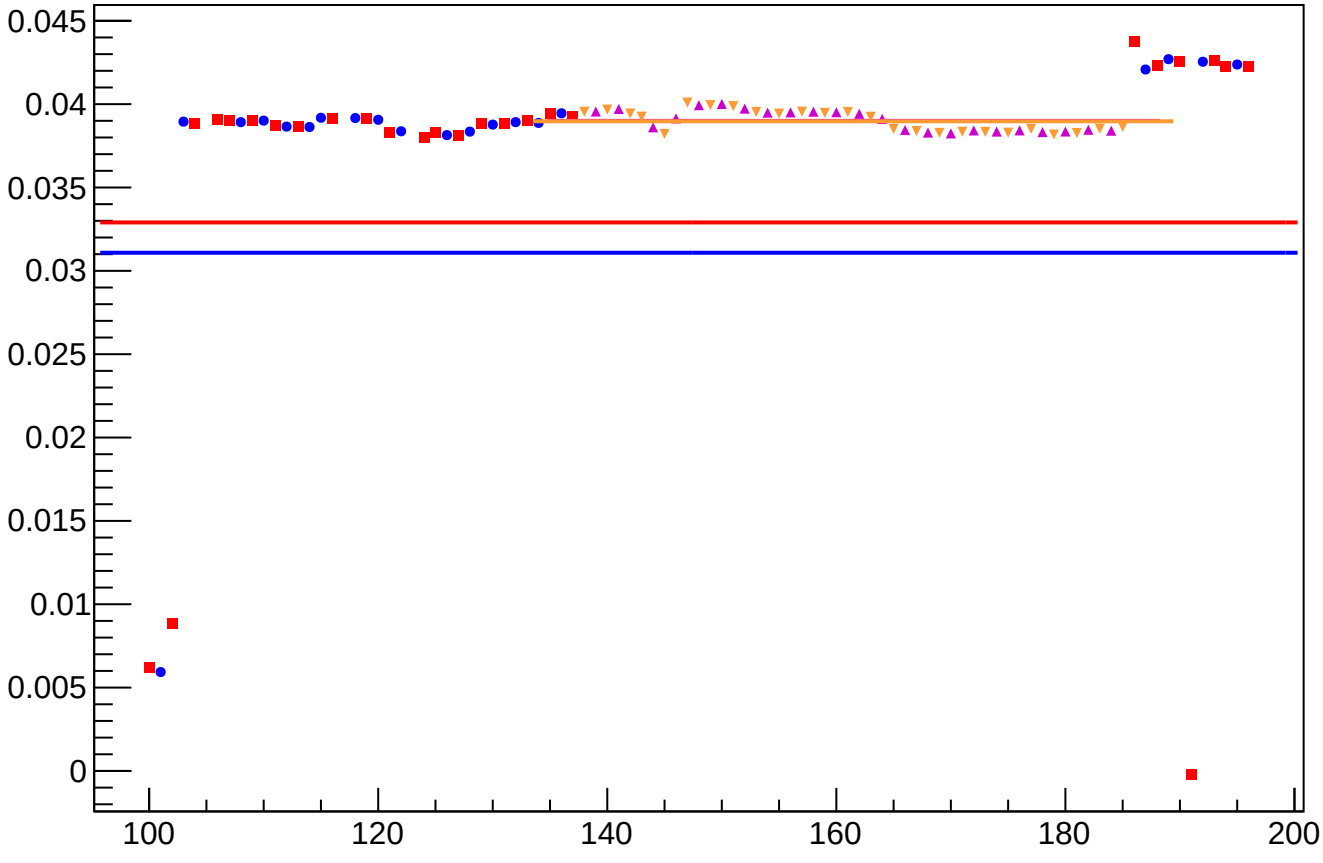
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 22542088.6/44

All: 0.000+/-0.000 χ^2/NDF: 39346371.7/93

- 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: 115347580532.2/19

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 111256311808.3/25

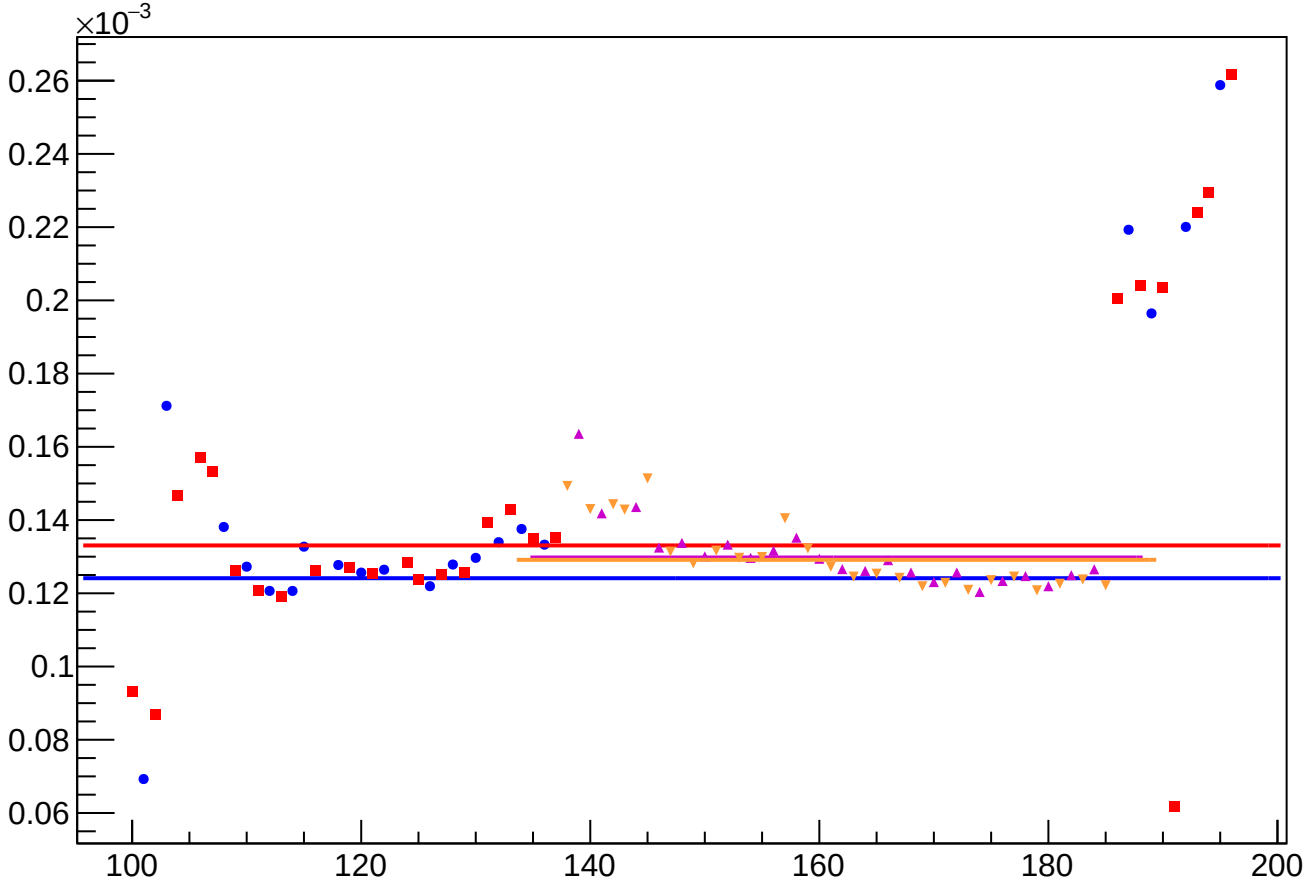
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 139031527406.0/44

All: 0.037+/-0.000 χ^2/NDF: 264792627291.3

- sign 0.037+/-0.000 χ^2/NDF: 125575670916.9/48

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1972472.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2162191.8/25

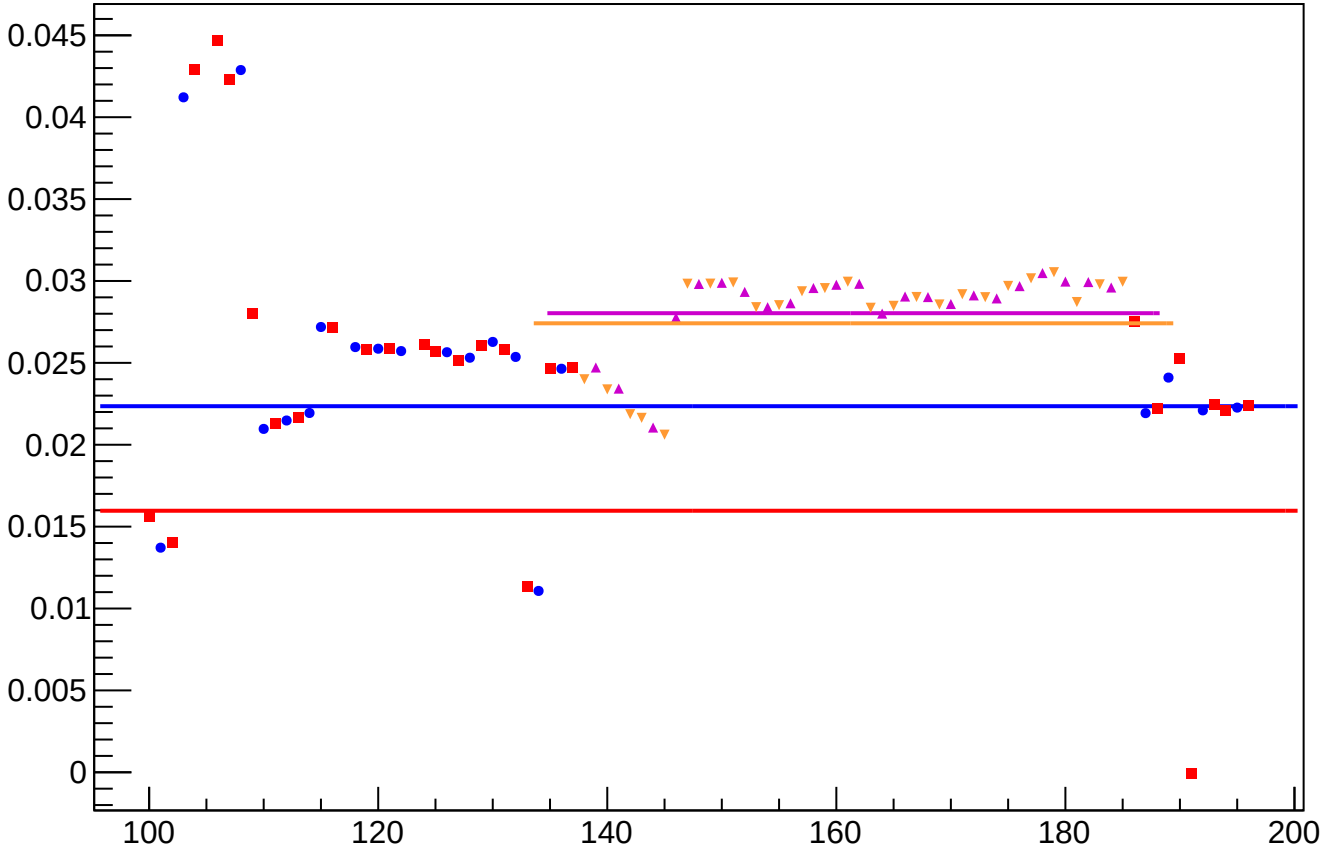
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 2148865.9/44

All: 0.000+/-0.000 χ^2/NDF: 4480861.0/93

- sign 0.000+/-0.000 χ^2/NDF: 2312181.9/48

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024451065.9/19

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24925646330.9/25

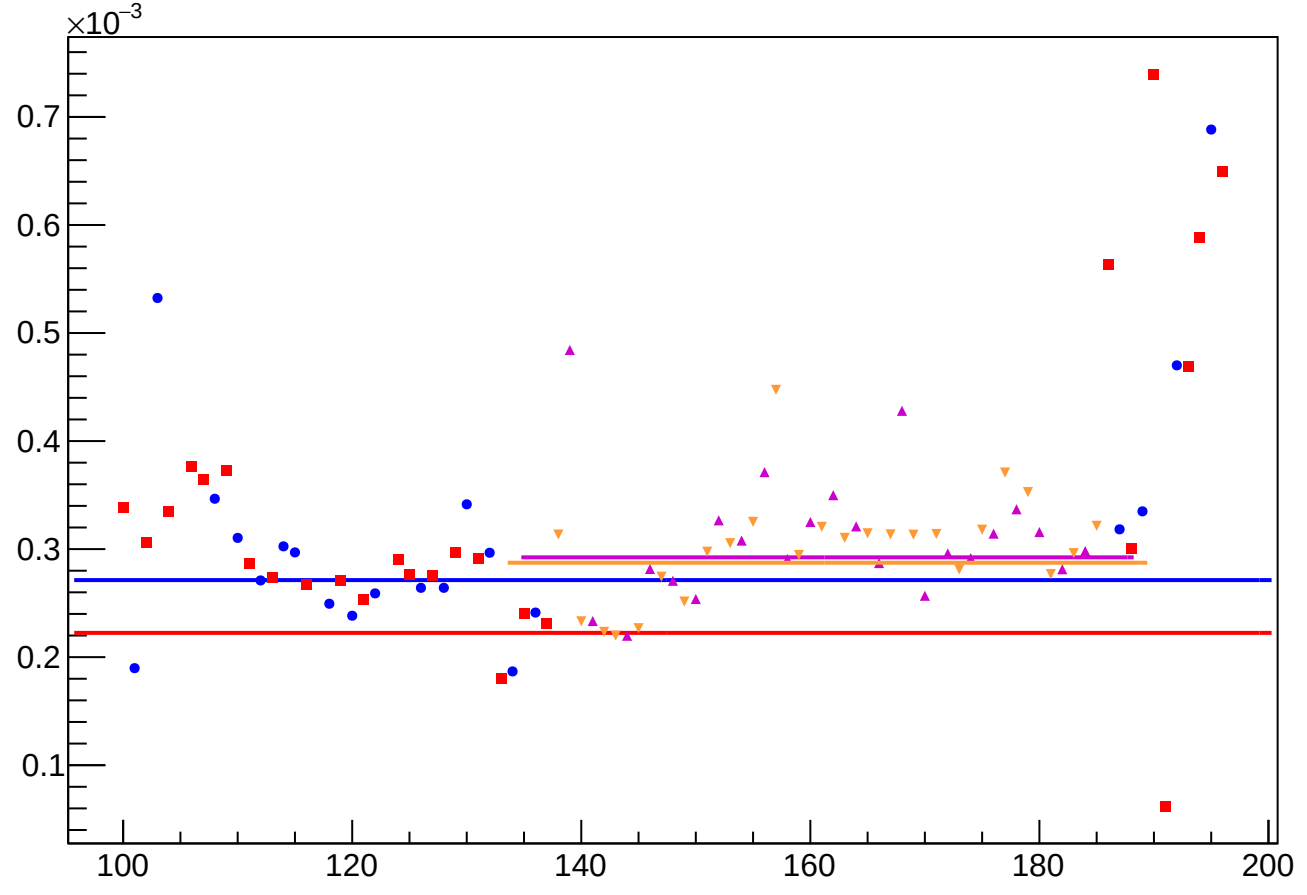
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9100223454.3/44

All: 0.024+/-0.000 χ^2/NDF: 49773325952.2/9

- 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: 1728022.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

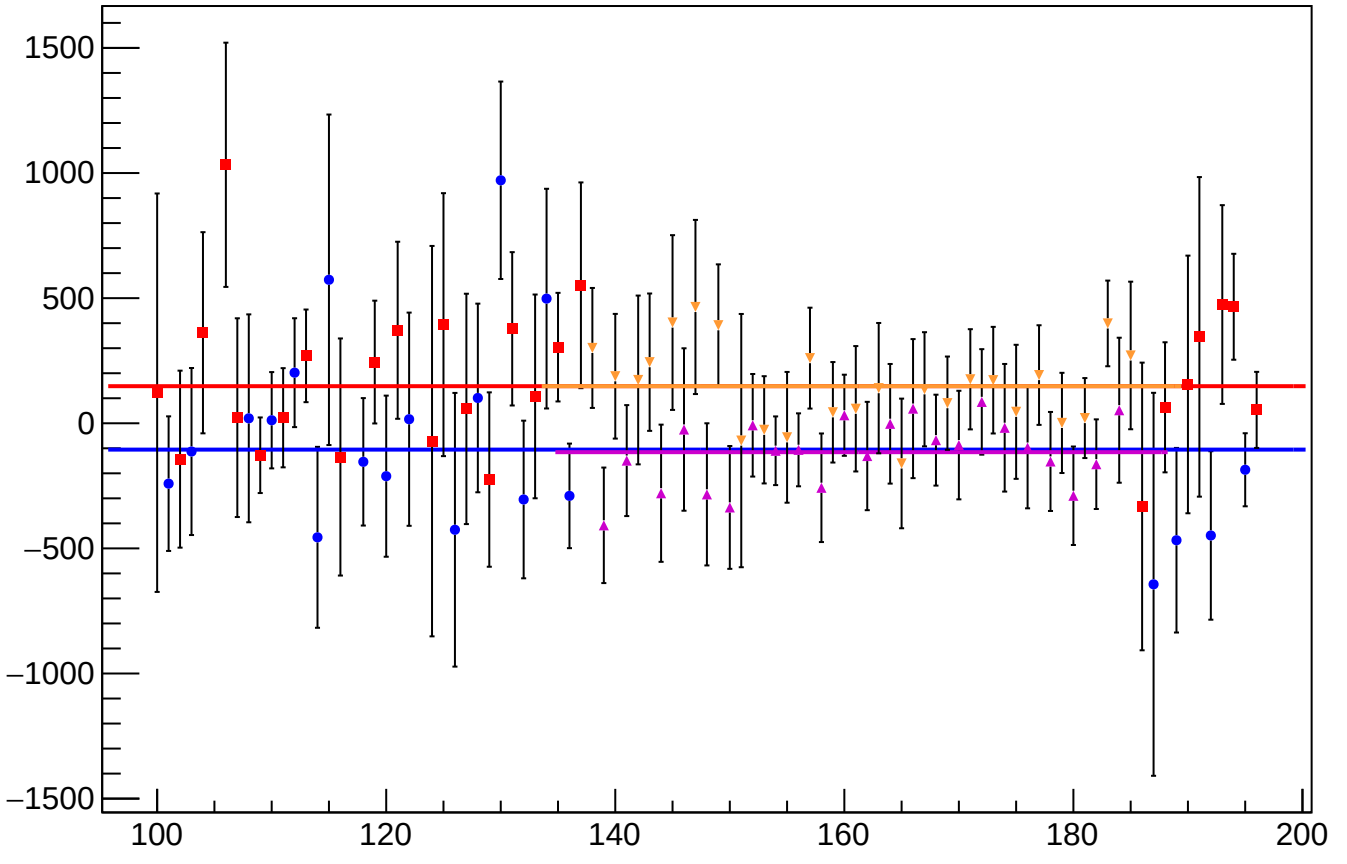
Right Out: 0.000+/-0.000 χ^2/NDF: 5948889.7/25

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 2586561.8/44

All: 0.000+/-0.000 χ^2/NDF: 10504437.6/93

- sign 0.000+/-0.000 χ^2/NDF: 7770380.1/48



Right In: -105.242+/-64.952 χ^2/NDF: 18.9/19

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 148.234+/-56.625 χ^2/NDF: 17.2/25

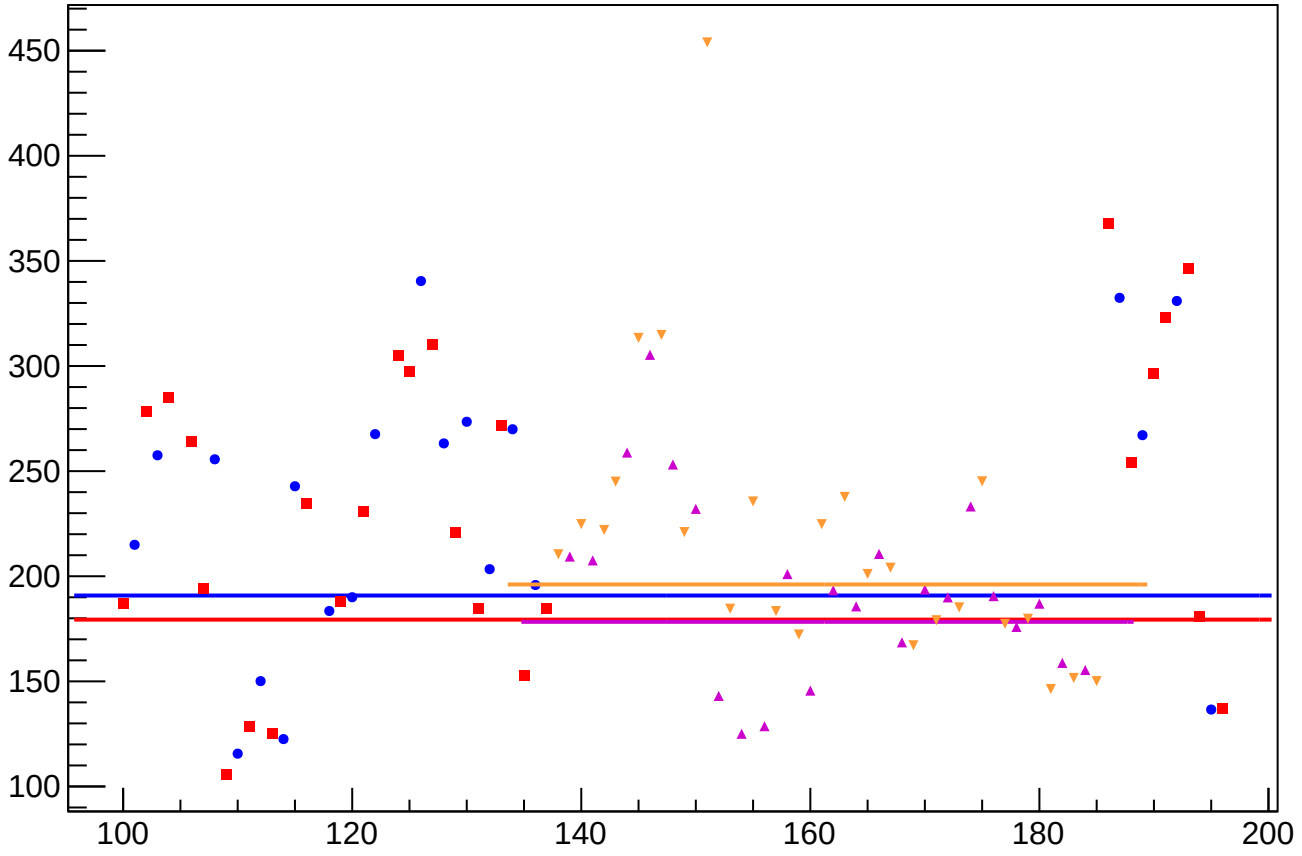
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 63.054+/-37.658 χ^2/NDF: 39.4/44

All: 19.336+/-25.451 χ^2/NDF: 80.4/93

- 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: 190.831+/-0.046 χ^2/NDF: 1827774.6/19

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

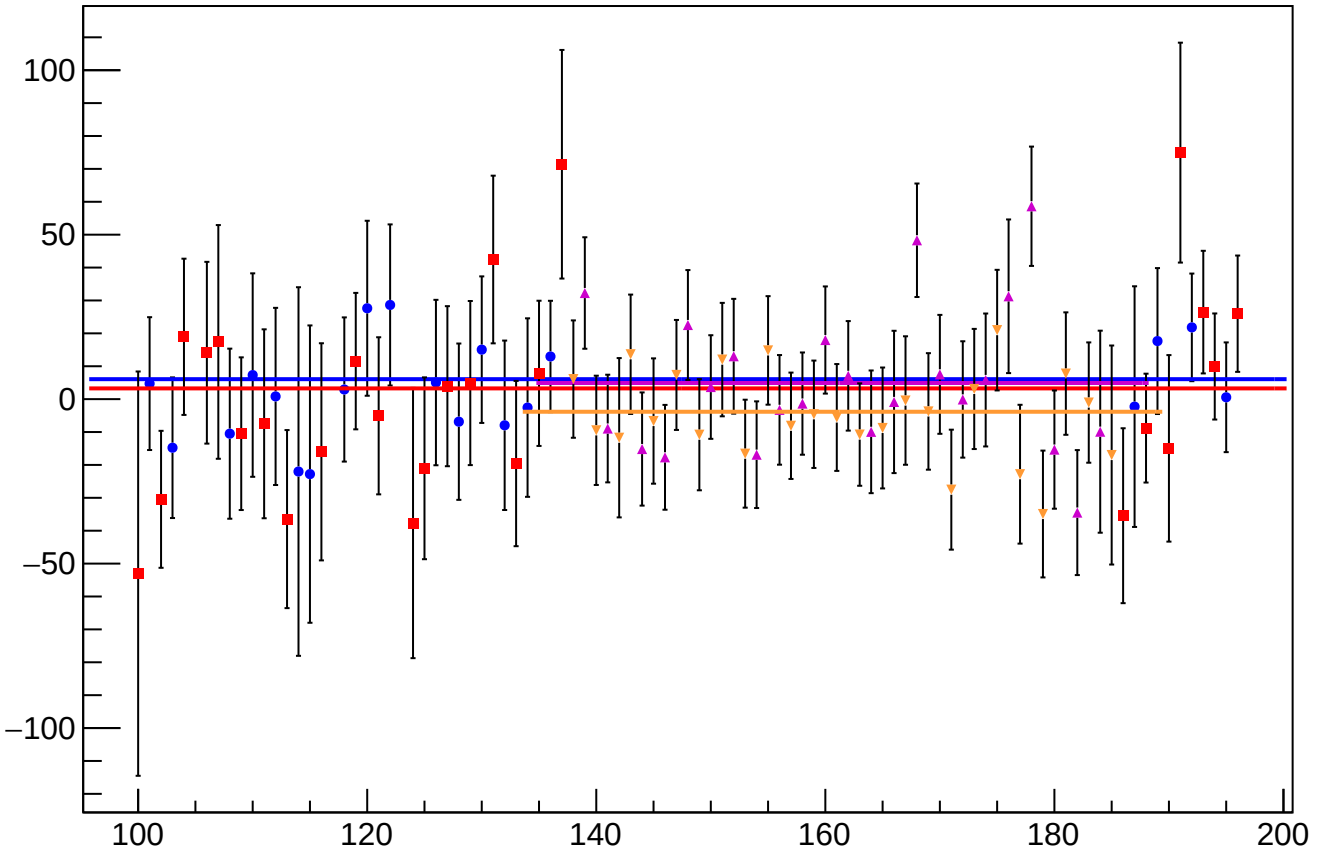
Right Out: 179.365+/-0.040 χ^2/NDF: 2778830.3/25

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.320+/-0.027 χ^2/NDF: 3654959.6/44

All: 185.838+/-0.018 χ^2/NDF: 8299314.5/93

- sign 178.707+/-0.024 χ^2/NDF: 4457596.2/48



Right In: 6.071+/-5.244 χ^2/NDF: 6.0/19

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

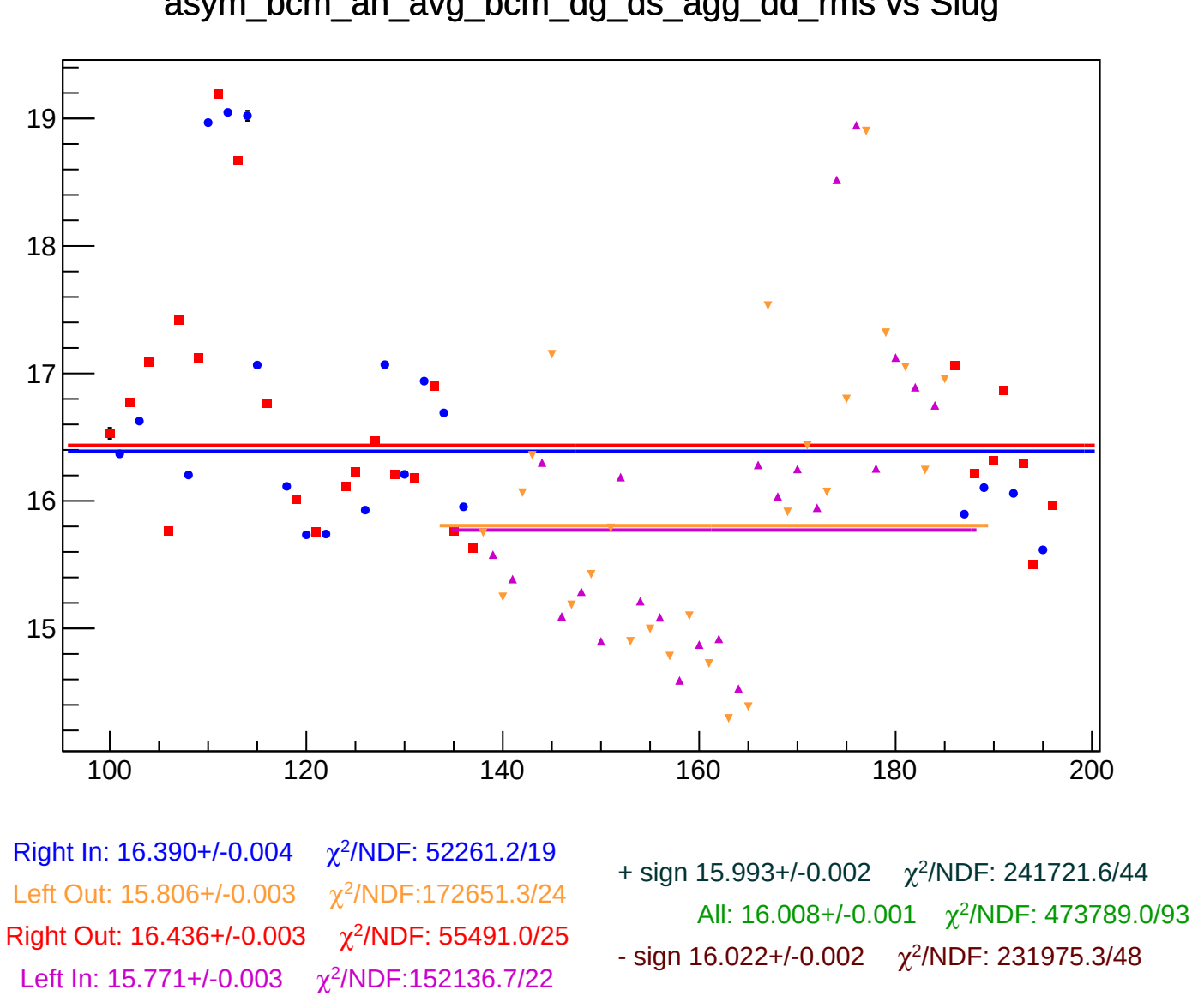
Right Out: 3.262+/-4.756 χ^2/NDF: 27.4/25

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.659+/-2.969 χ^2/NDF: 21.3/44

All: 1.857+/-2.081 χ^2/NDF: 84.0/93

\- sign 4.286+/-2.918 χ^2/NDF: 61.3/48


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
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100
120
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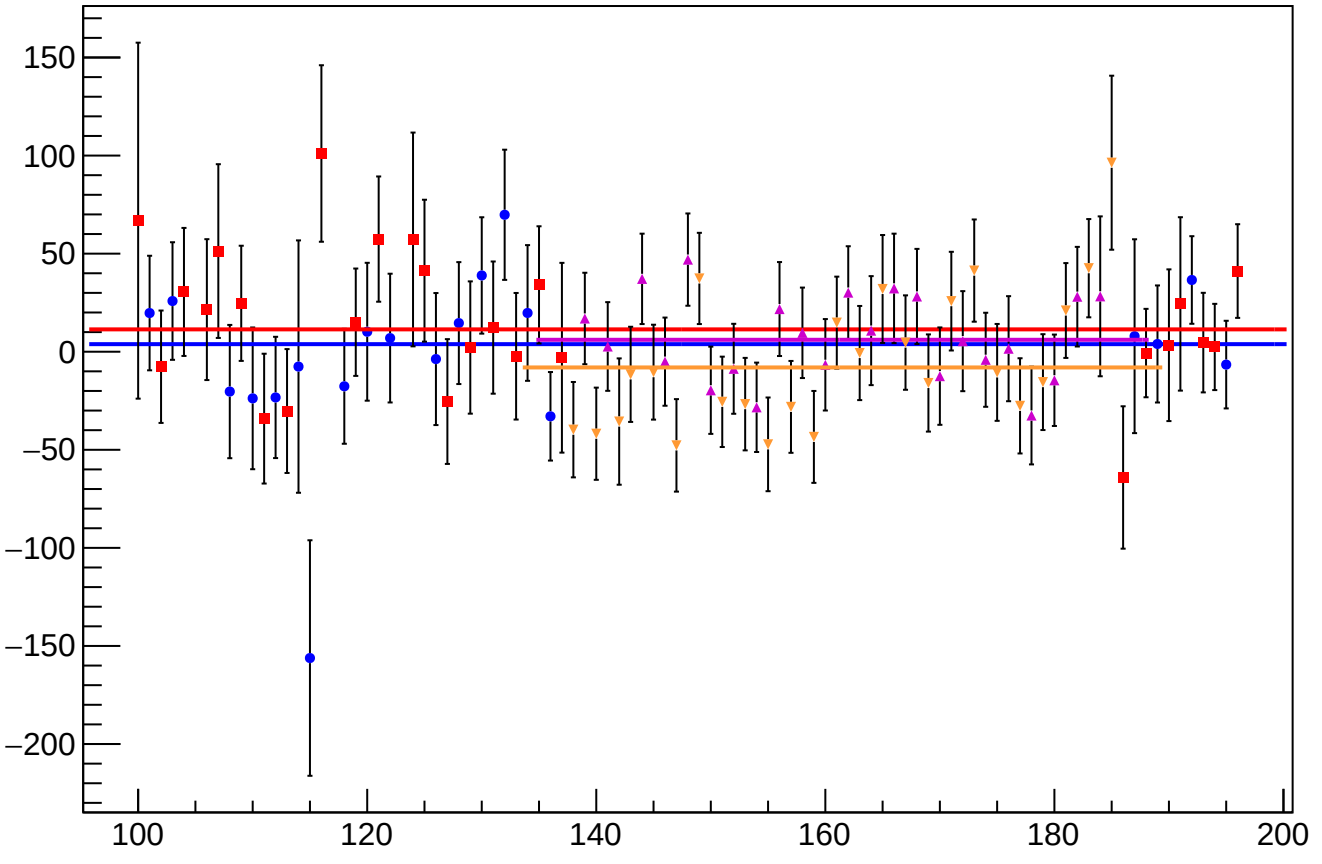
180
200
Right In: 16.390+/-0.004 χ²/NDF: 52261.2/19
Left Out: 15.806+/-0.003 χ²/NDF:172651.3/24
Right Out: 16.436+/-0.003 χ²/NDF: 55491.0/25
Left In: 15.771+/-0.003 χ²/NDF:152136.7/22
+ sign 15.993+/-0.002 χ²/NDF: 241721.6/44
All: 16.008+/-0.001 χ²/NDF: 473789.0/93
- sign 16.022+/-0.002 χ²/NDF: 231975.3/48



Right In: 3.859+/-6.952 χ^2/NDF: 21.2/19

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 11.394+/-6.313 χ^2/NDF: 22.1/25

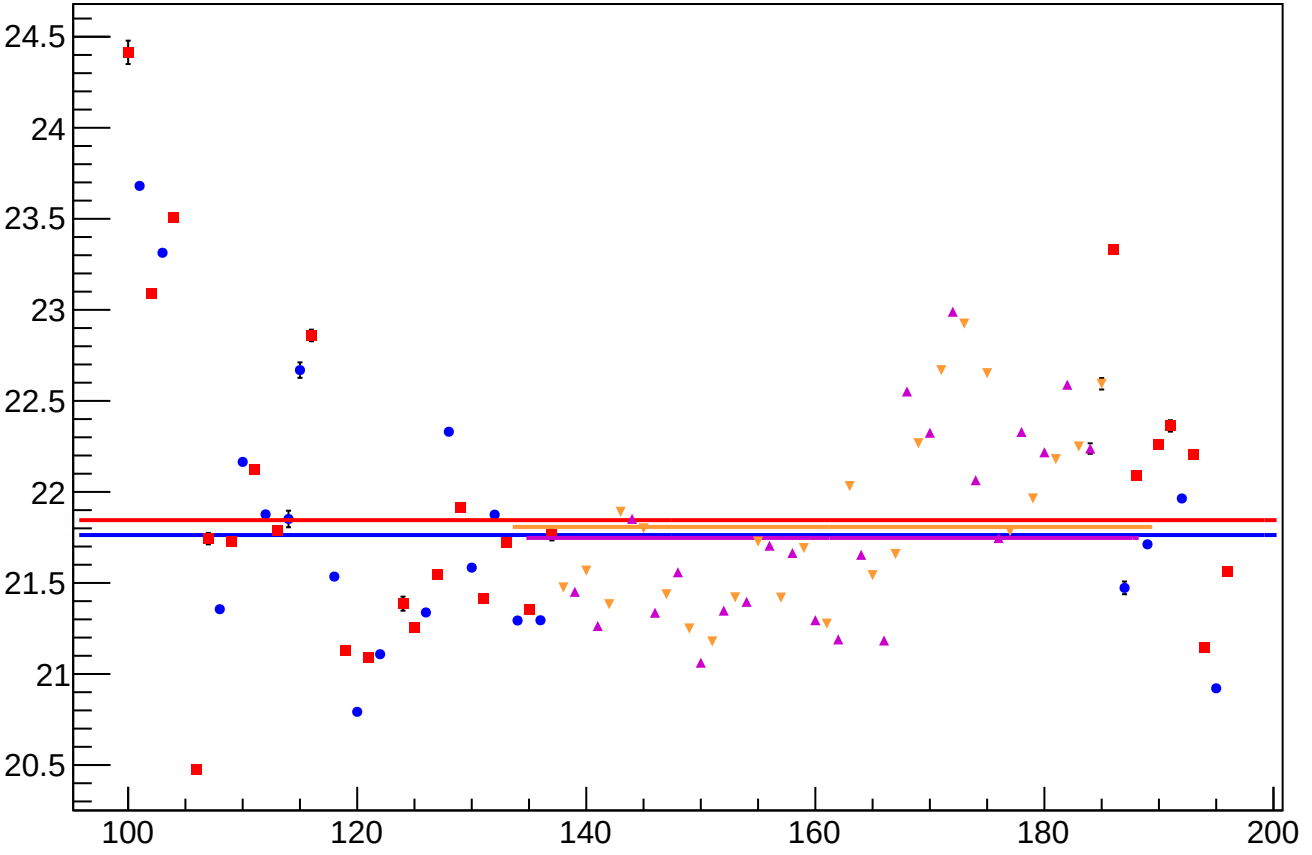
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -4.014+/-4.035 χ^2/NDF: 62.0/44

All: 2.197+/-2.826 χ^2/NDF: 107.0/93

- sign 8.172+/-3.958 χ^2/NDF: 40.4/48

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.763+/-0.005 χ^2/NDF: 22826.2/19

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

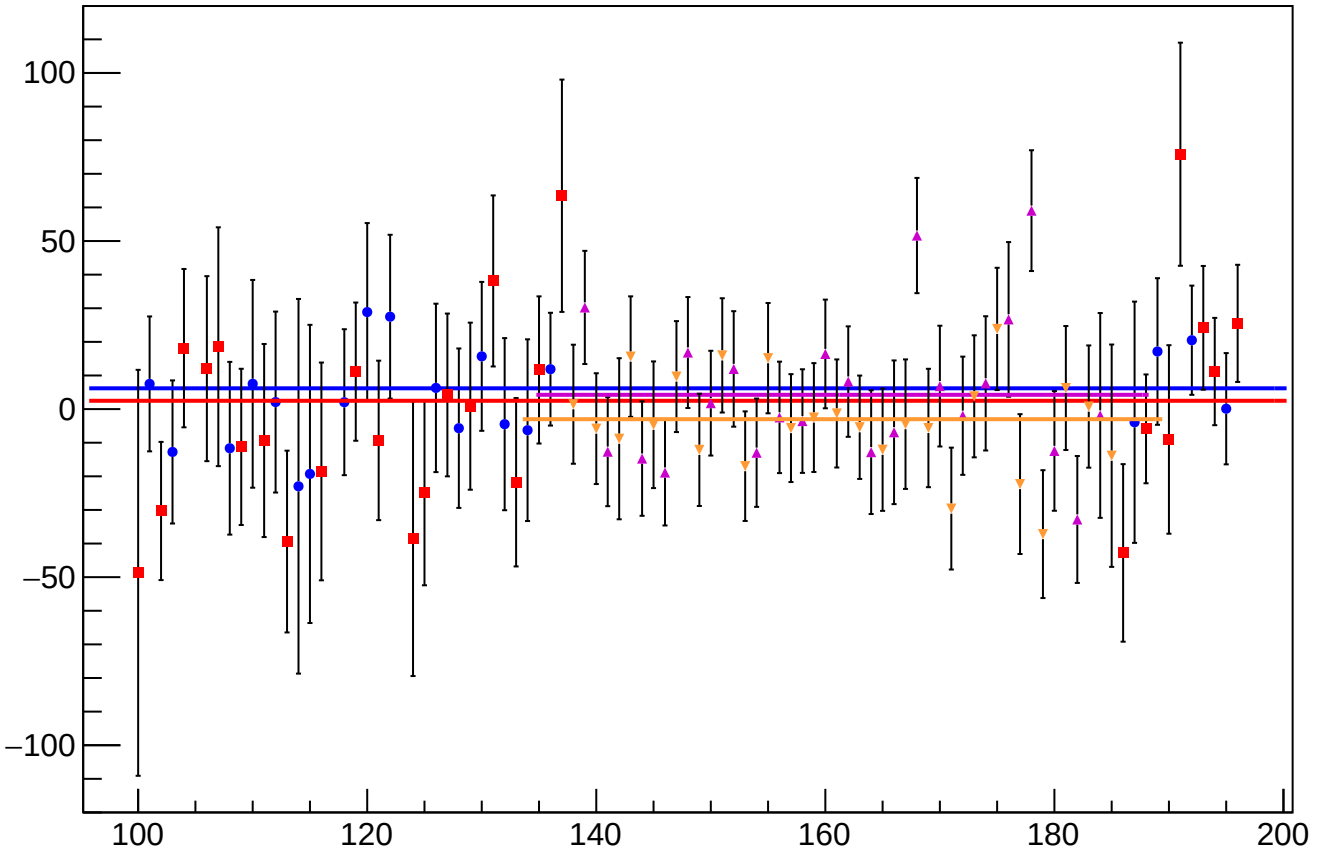
Right Out: 21.845+/-0.004 χ^2/NDF: 25743.7/25

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.793+/-0.003 χ^2/NDF: 40441.7/44

All: 21.789+/-0.002 χ^2/NDF: 87040.1/93

- sign 21.786+/-0.003 χ^2/NDF: 46595.3/48



Right In: 6.184+/-5.208 χ^2/NDF: 5.6/19

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

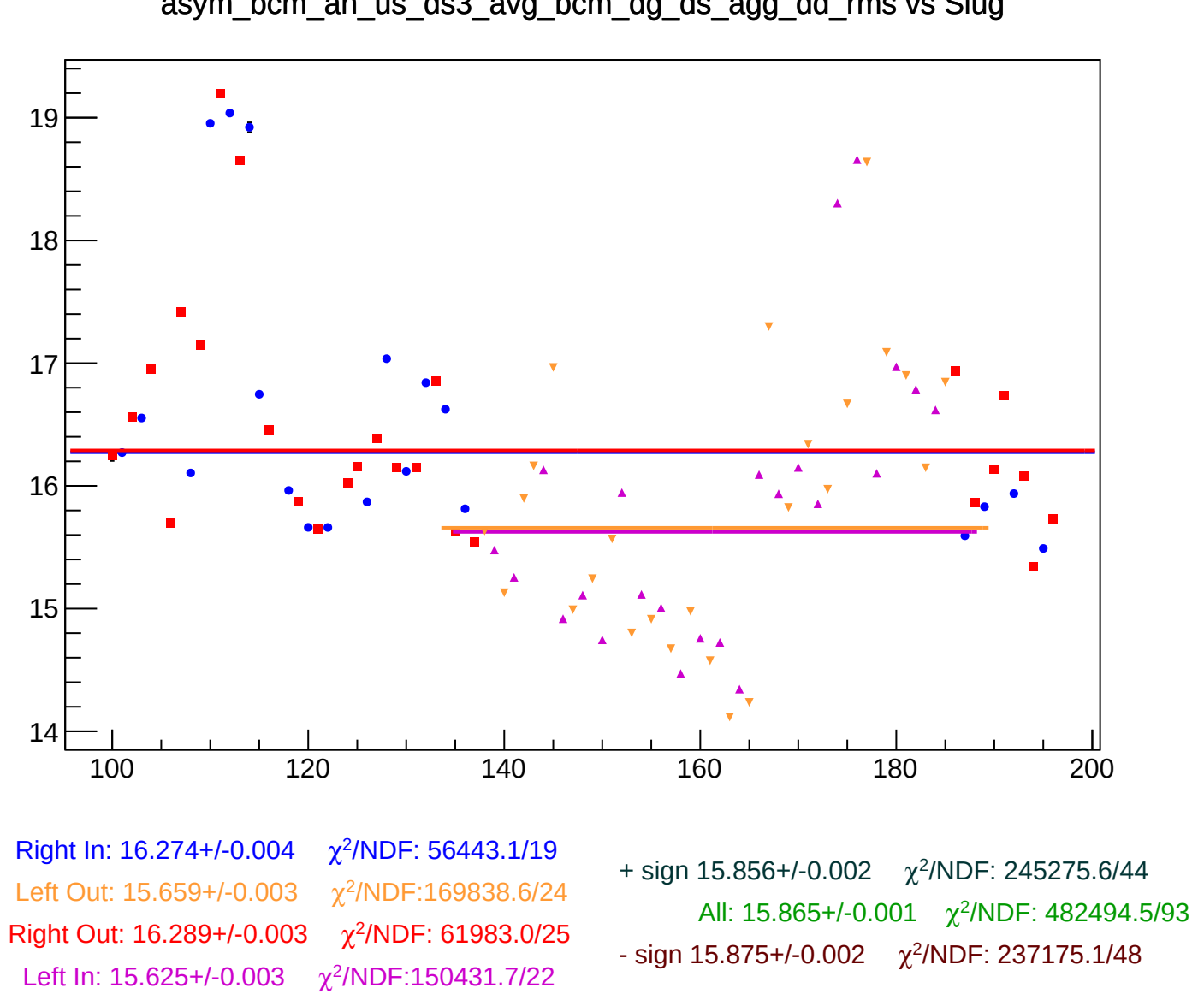
Right Out: 2.476+/-4.715 χ^2/NDF: 27.7/25

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign -0.067+/-2.944 χ^2/NDF: 22.4/44

All: 1.790+/-2.063 χ^2/NDF: 84.8/93

\- sign 3.582+/-2.891 χ^2/NDF: 61.6/48


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
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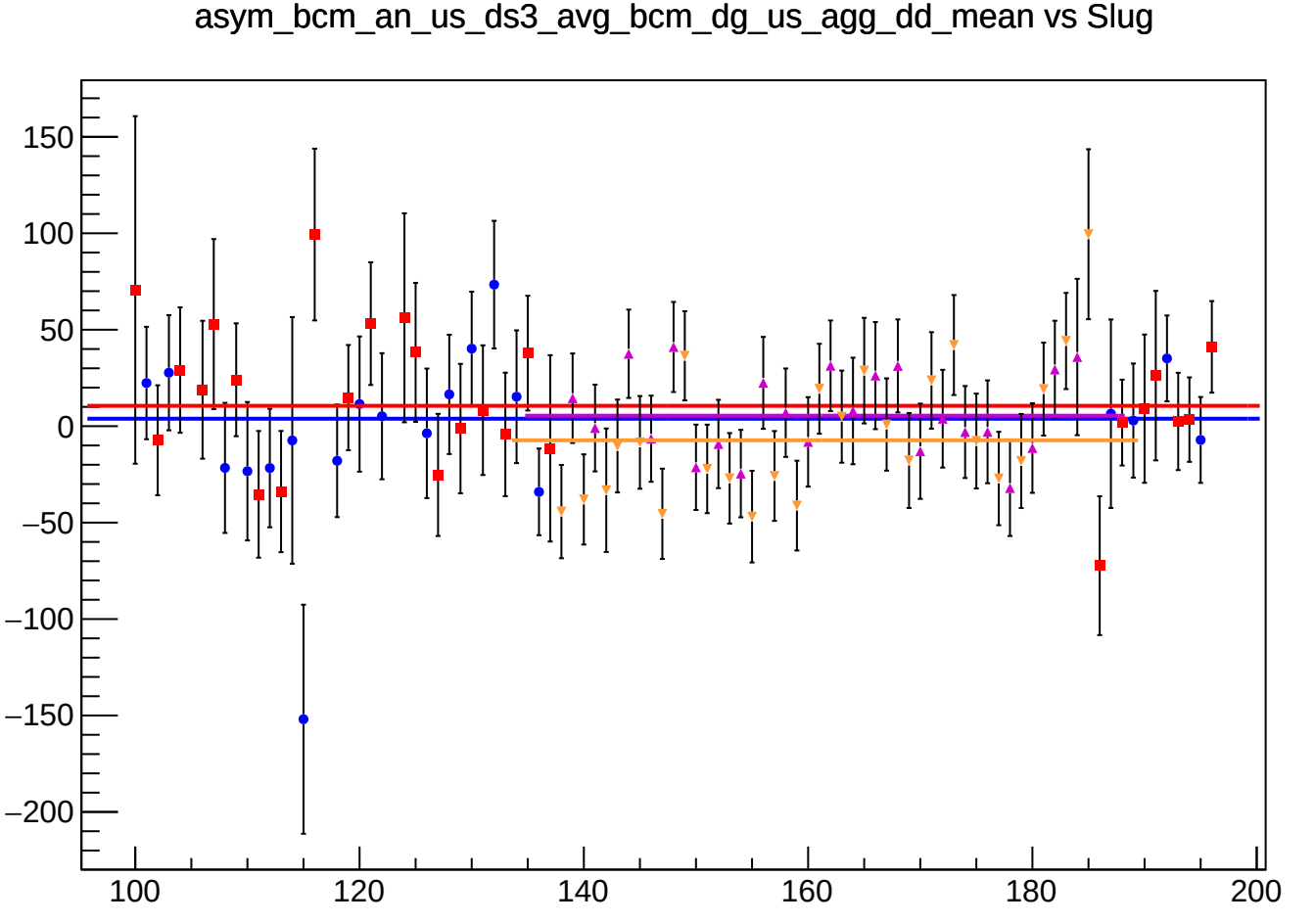
100
120
140
160
180
200
Right In: 16.274+/-0.004 χ²/NDF: 56443.1/19
Left Out: 15.659+/-0.003 χ²/NDF:169838.6/24
Right Out: 16.289+/-0.003 χ²/NDF: 61983.0/25
Left In: 15.625+/-0.003 χ²/NDF:150431.7/22
+ sign 15.856+/-0.002 χ²/NDF: 245275.6/44
All: 15.865+/-0.001 χ²/NDF: 482494.5/93
- sign 15.875+/-0.002 χ²/NDF: 237175.1/48



Right In: 3.864+/-6.919 χ^2/NDF: 21.7/19

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

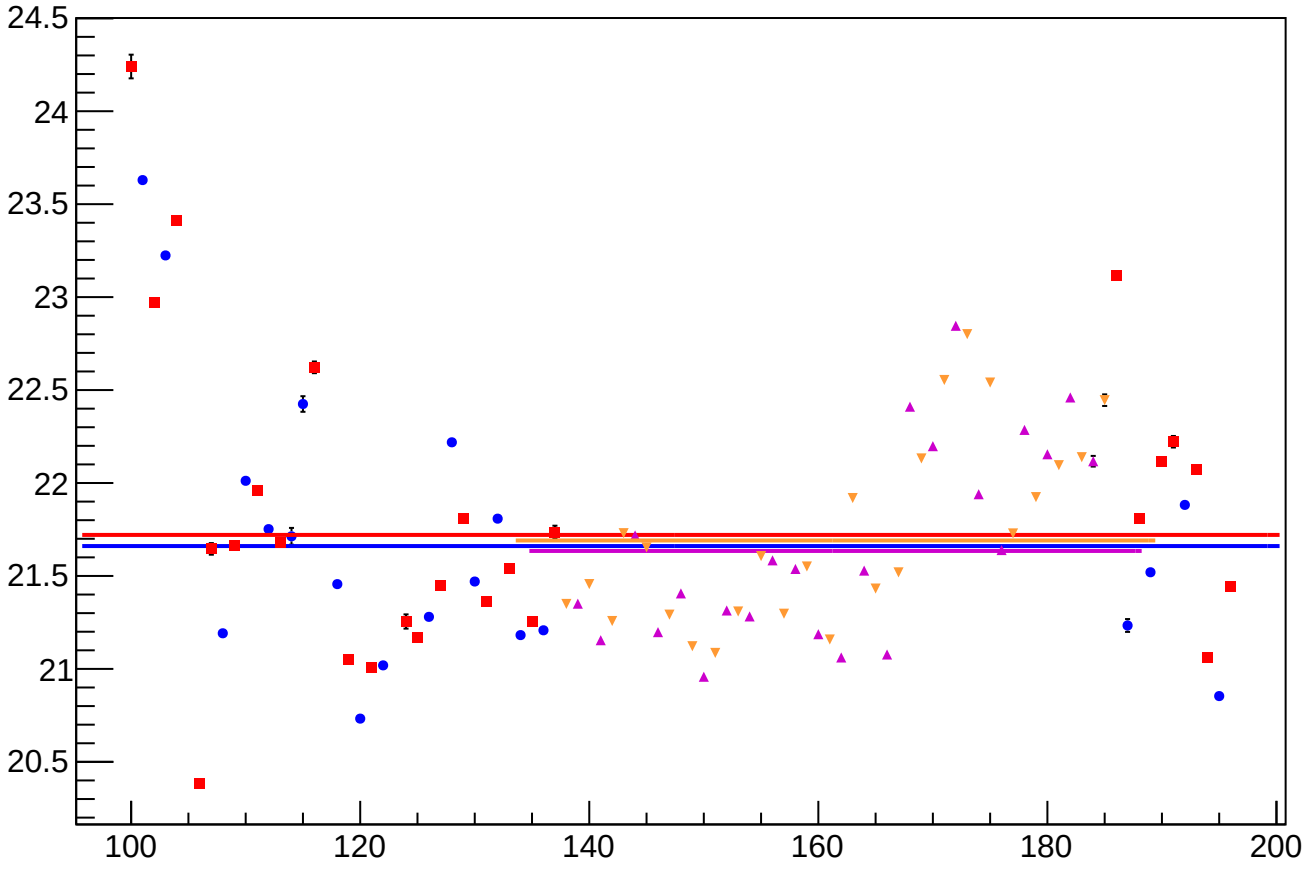
Right Out: 10.547+/-6.277 χ^2/NDF: 23.5/25

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.553+/-4.015 χ^2/NDF: 62.1/44

All: 2.054+/-2.811 χ^2/NDF: 107.1/93

- sign 7.445+/-3.936 χ^2/NDF: 41.2/48



Right In: 21.661+/-0.005 χ^2/NDF: 23071.1/19

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.721+/-0.004 χ^2/NDF: 24334.6/25

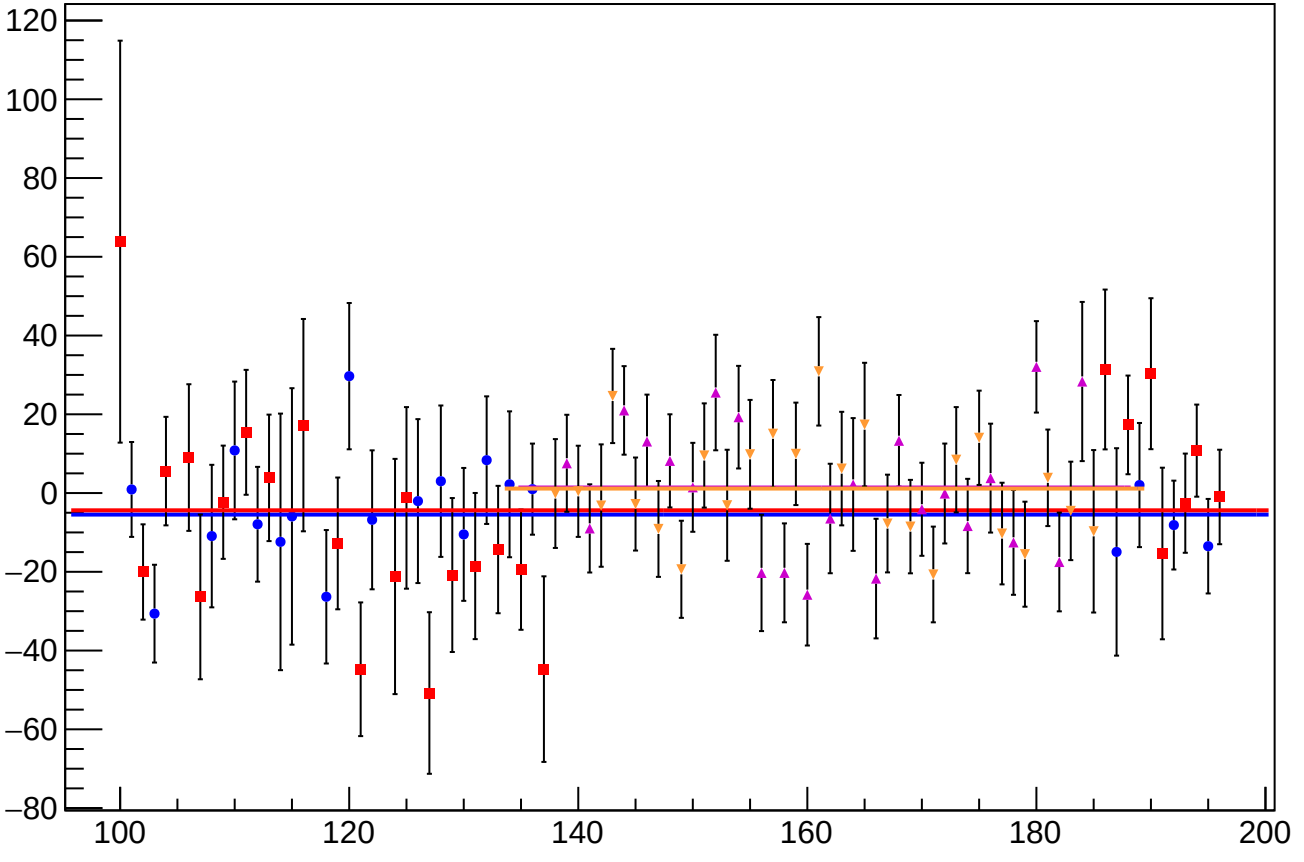
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.681+/-0.003 χ^2/NDF: 41031.0/44

All: 21.674+/-0.002 χ^2/NDF: 86165.8/93

\- 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: -5.467+/-3.561 χ^2/NDF: 12.9/19

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -4.385+/-3.266 χ^2/NDF: 36.4/25

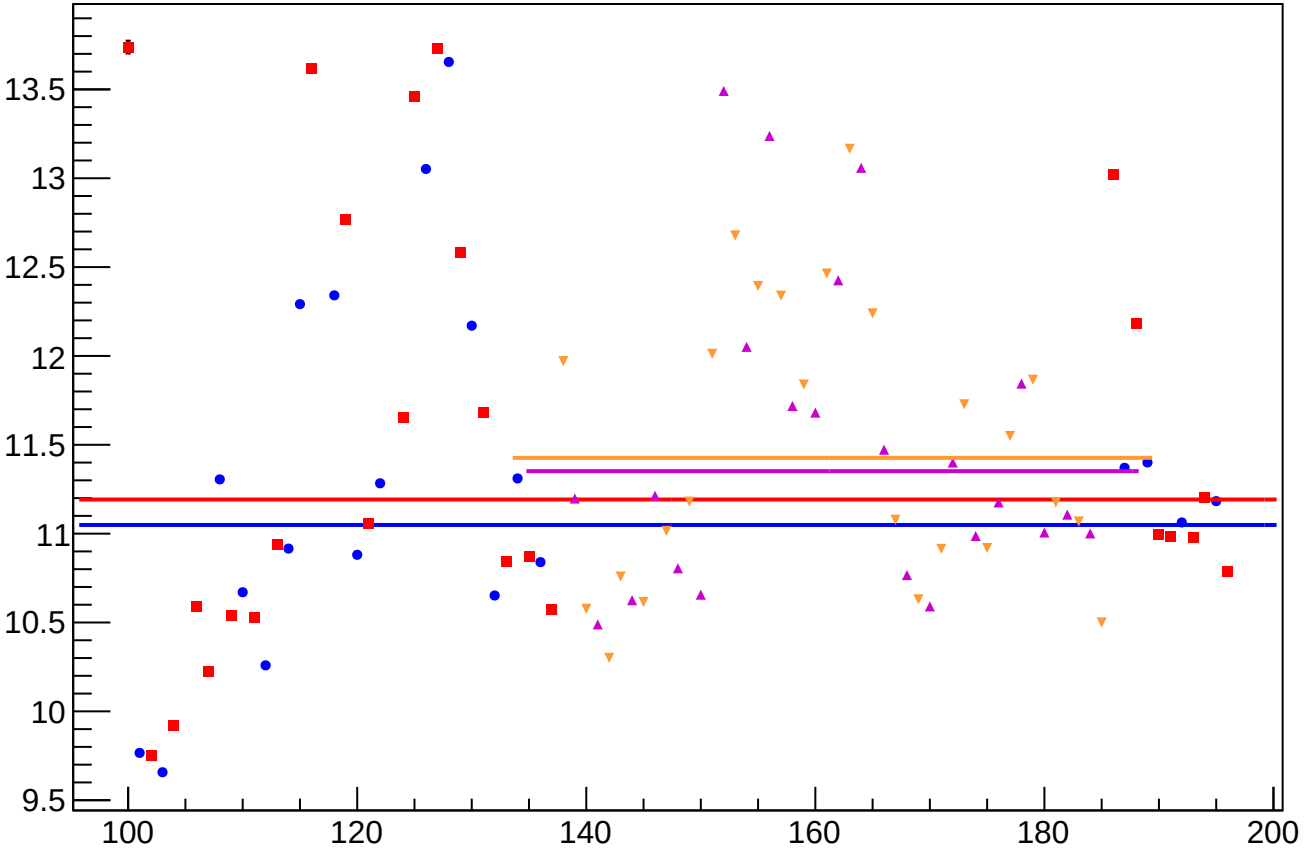
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.182+/-2.110 χ^2/NDF: 39.7/44

All: -1.047+/-1.477 χ^2/NDF: 114.3/93

- 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: 11.049+/-0.003 χ^2/NDF: 137997.7/19

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

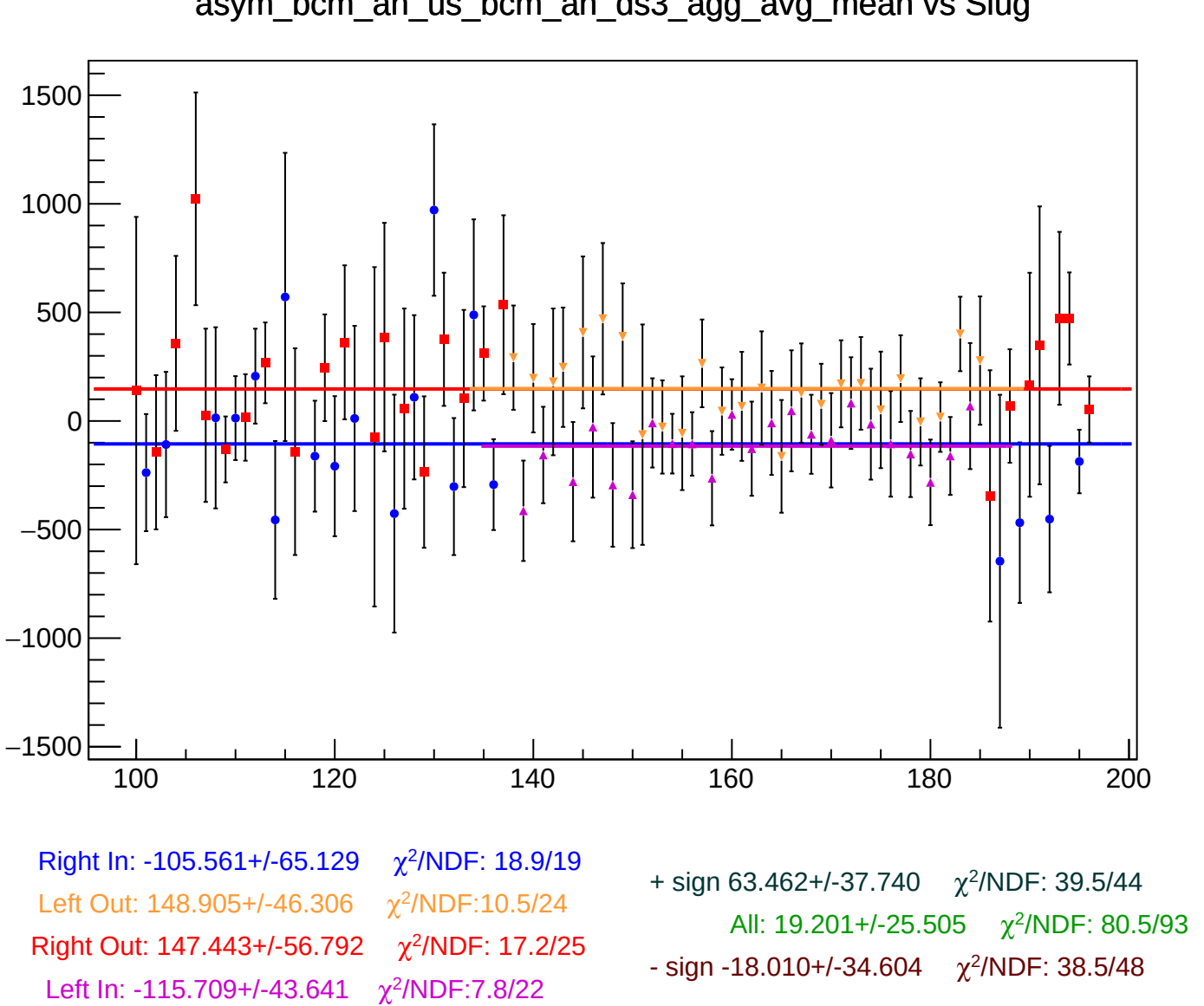
Right Out: 11.192+/-0.002 χ^2/NDF: 196019.1/25

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

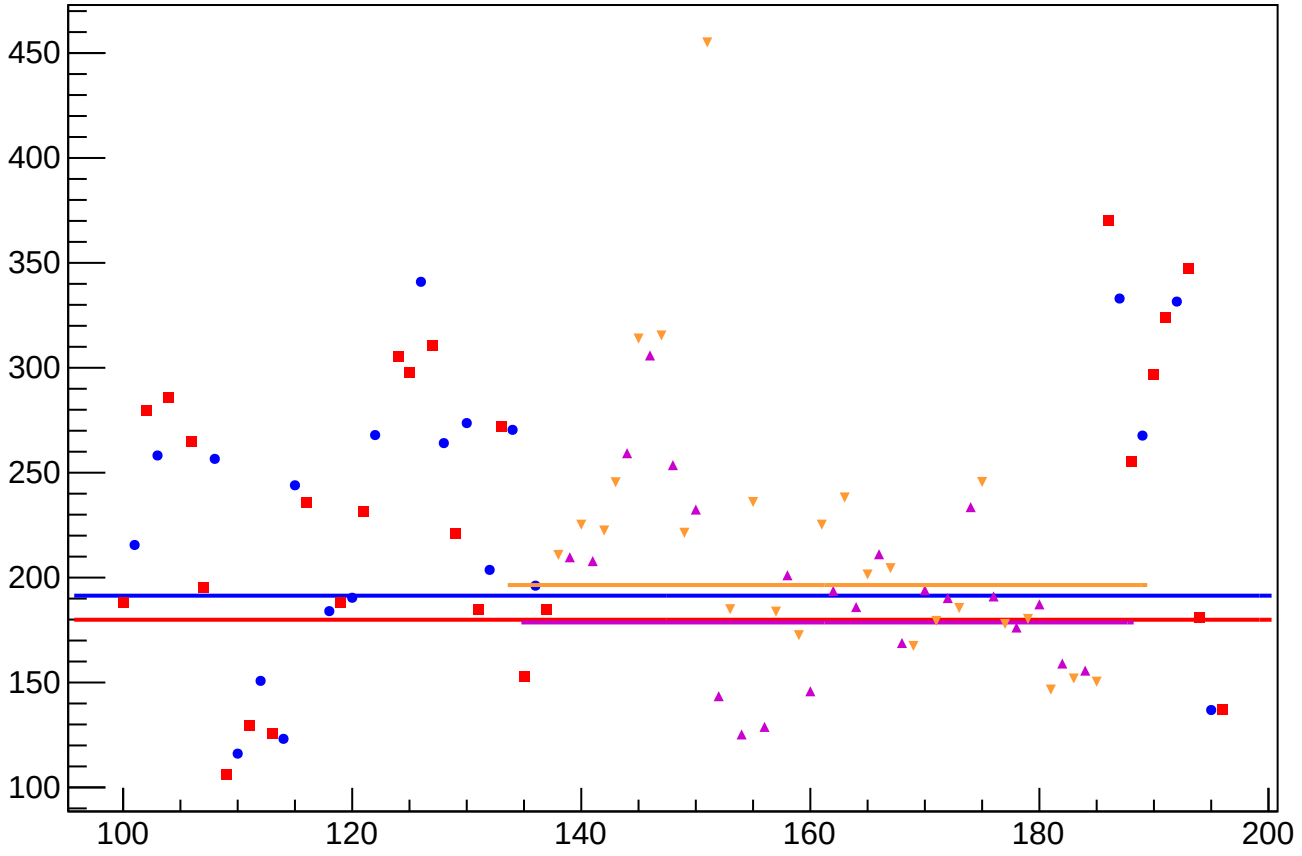
+ sign 11.294+/-0.001 χ^2/NDF: 309562.4/44

All: 11.291+/-0.001 χ^2/NDF: 679013.5/93

- sign 11.288+/-0.001 χ^2/NDF: 369442.3/48


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -105.561+/-65.129 χ²/NDF: 18.9/19
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 147.443+/-56.792 χ²/NDF: 17.2/25
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign 63.462+/-37.740 χ²/NDF: 39.5/44
All: 19.201+/-25.505 χ²/NDF: 80.5/93
- sign -18.010+/-34.604 χ²/NDF: 38.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 191.385+/-0.046 χ^2/NDF: 1821625.2/19

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

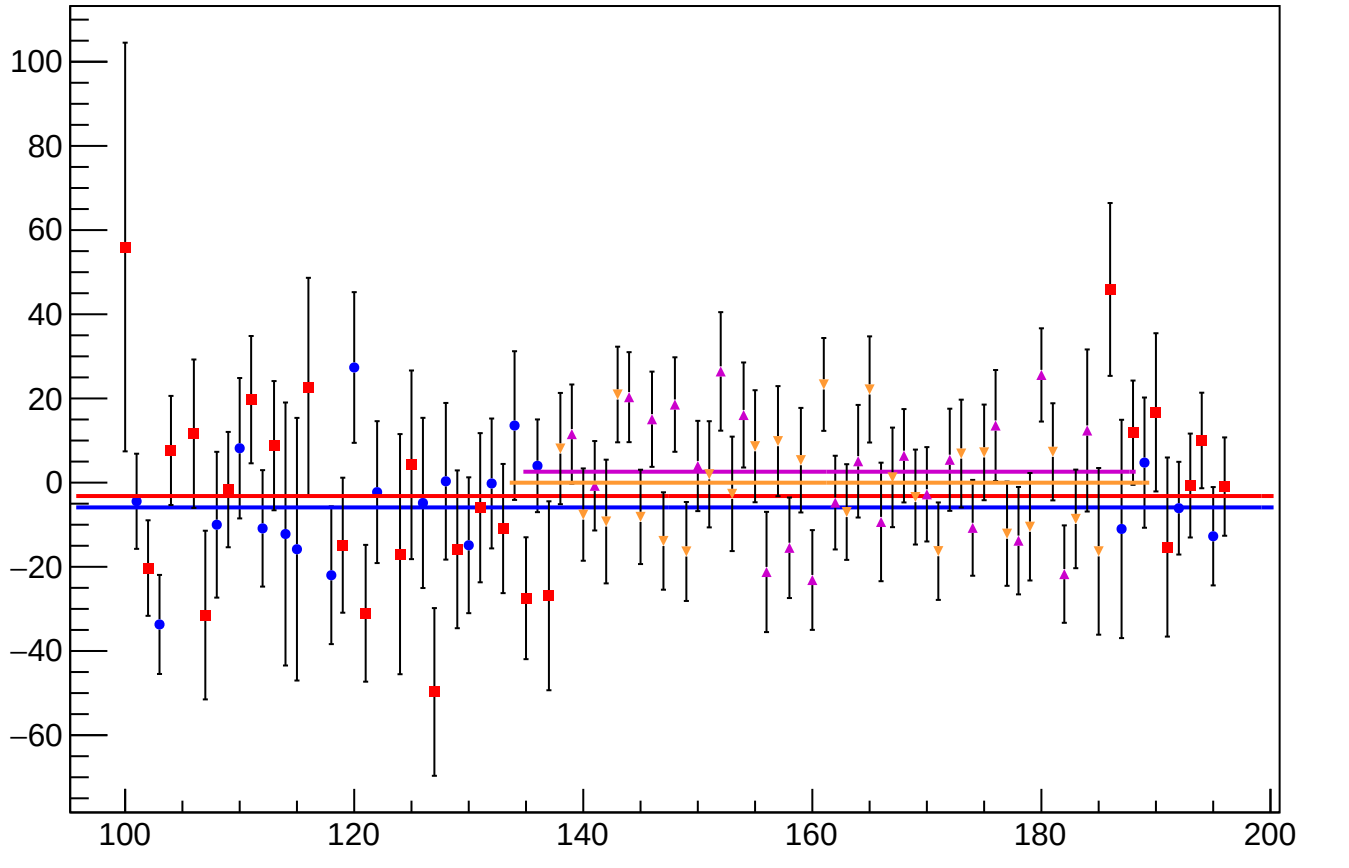
Right Out: 179.912+/-0.040 χ^2/NDF: 2774585.0/25

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 194.752+/-0.027 χ^2/NDF: 3648418.8/44

All: 186.247+/-0.018 χ^2/NDF: 8289513.1/93

- sign 179.096+/-0.024 χ^2/NDF: 4454101.7/48



Right In: -5.887+/-3.416 χ^2/NDF: 14.5/19

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.186+/-3.142 χ^2/NDF: 35.1/25

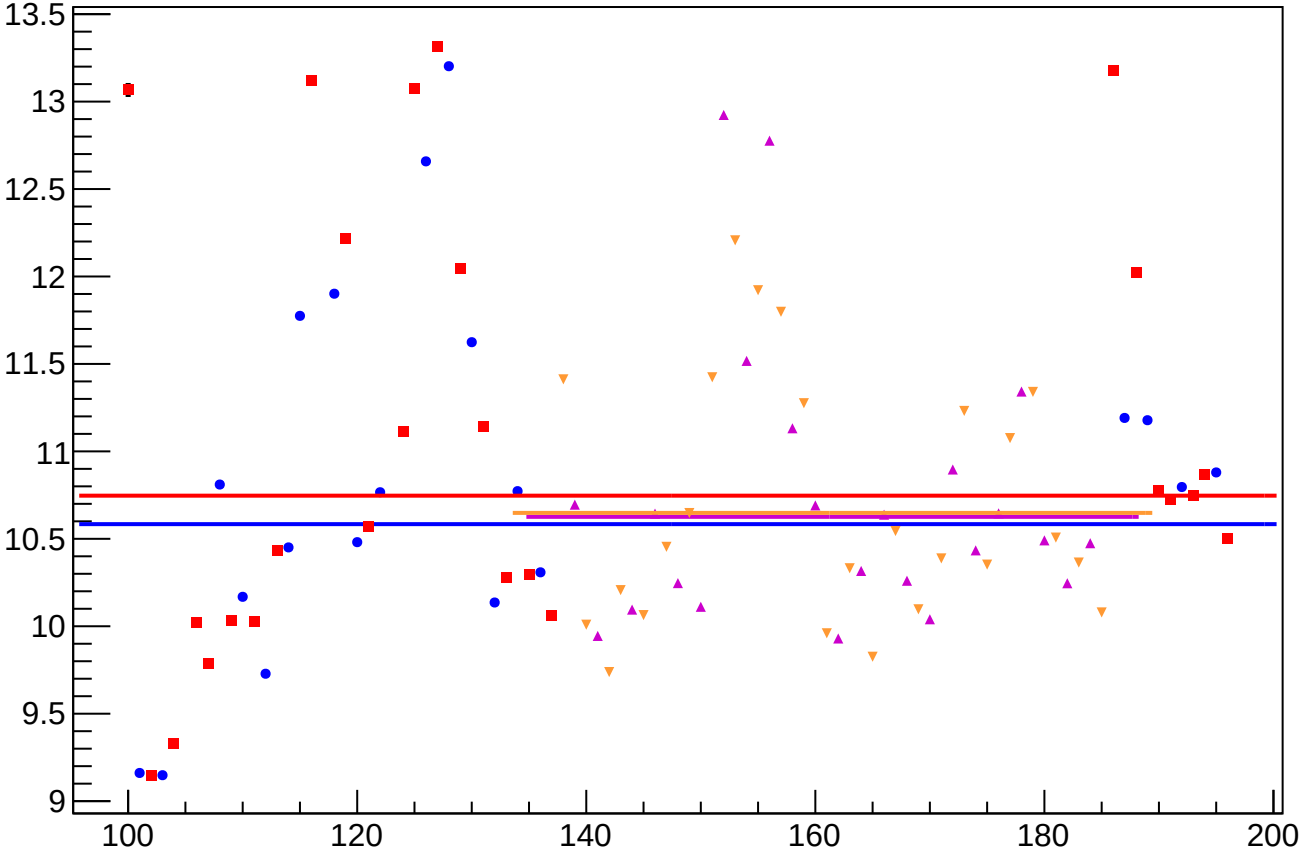
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -2.005+/-1.988 χ^2/NDF: 40.2/44

All: -0.813+/-1.395 χ^2/NDF: 112.8/93

- 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: 10.584+/-0.002 χ^2/NDF: 165091.9/19

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

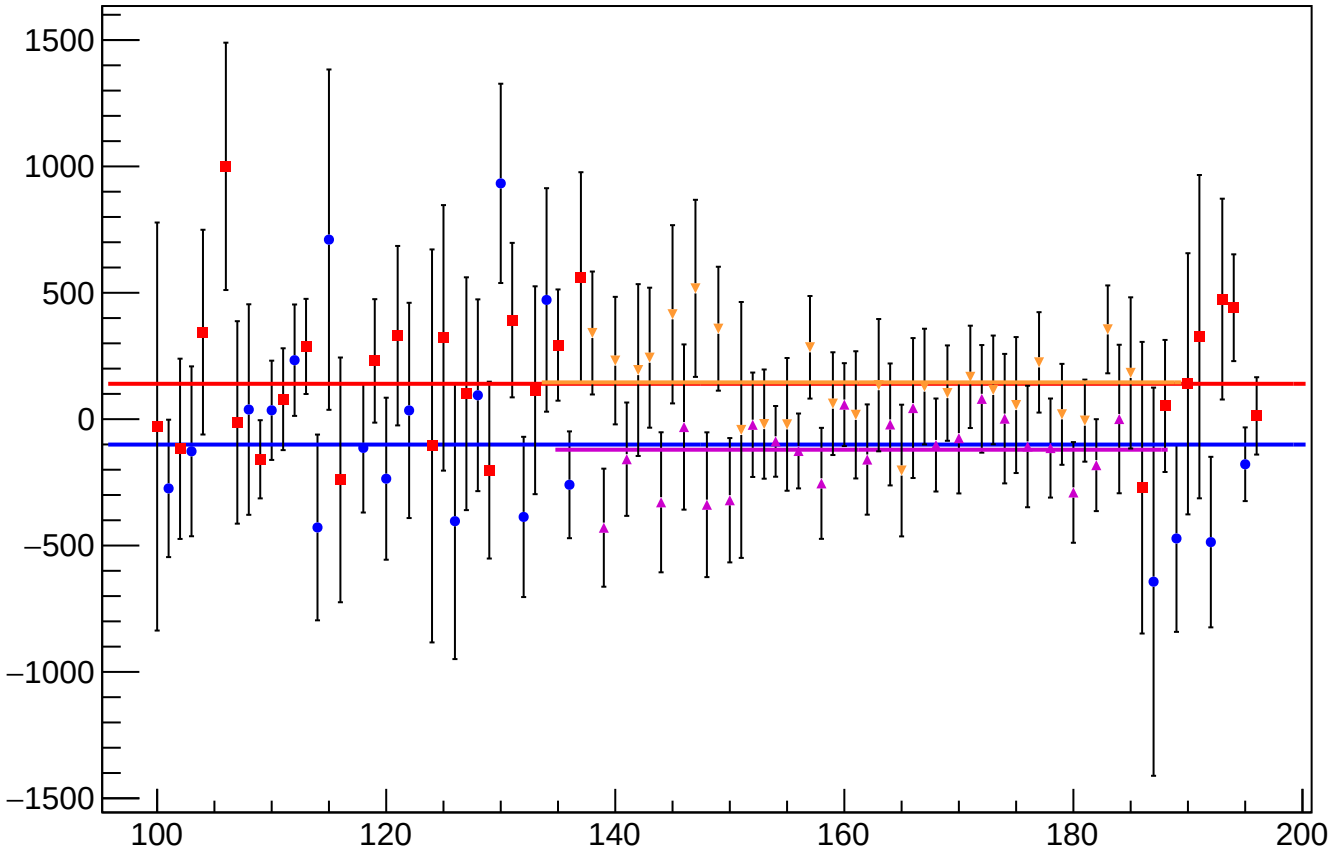
Right Out: 10.747+/-0.002 χ^2/NDF: 242619.1/25

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.626+/-0.001 χ^2/NDF: 309097.3/44

All: 10.650+/-0.001 χ^2/NDF: 713624.2/93

- sign 10.673+/-0.001 χ^2/NDF: 403977.1/48



Right In: -100.504+/-65.388 χ^2/NDF: 19.4/19

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 139.940+/-57.163 χ^2/NDF: 17.0/25

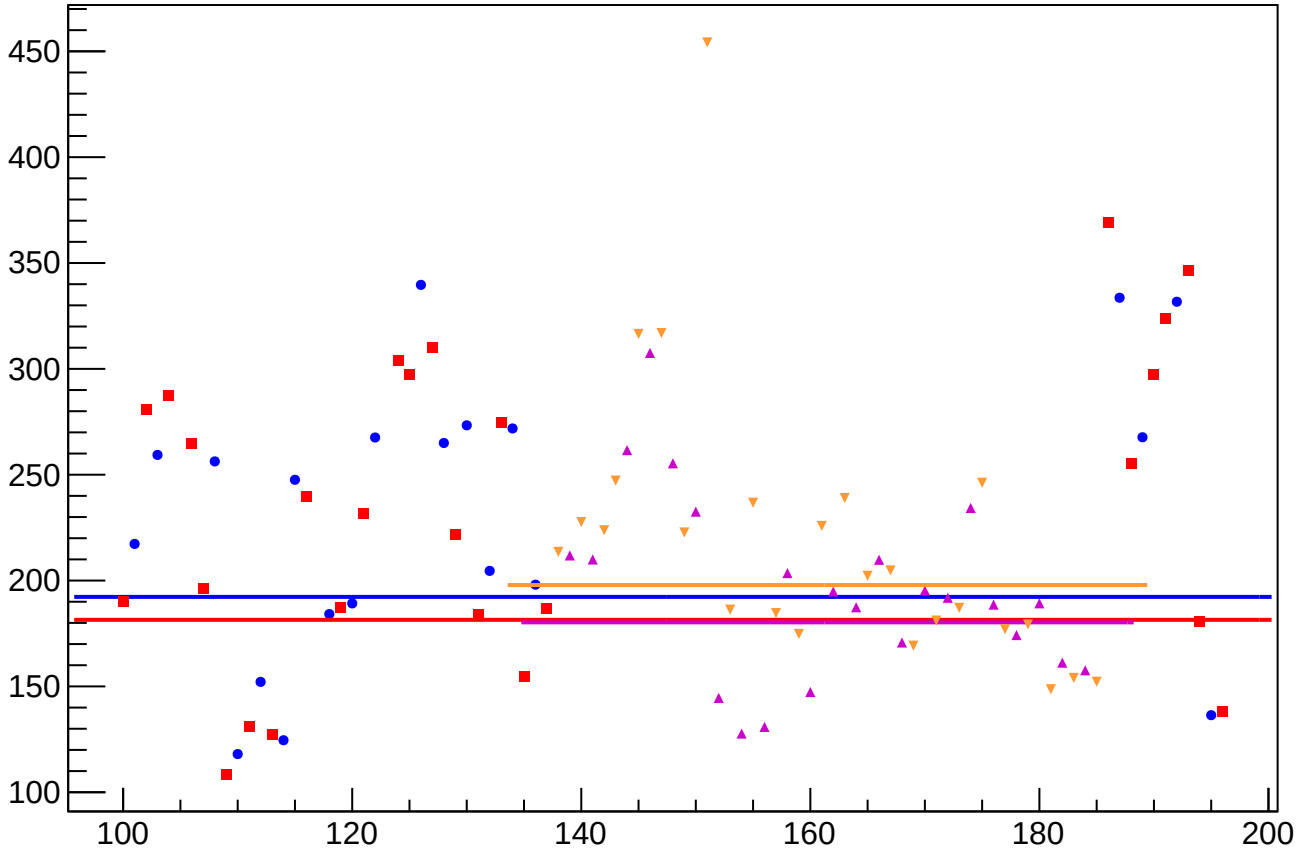
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 62.639+/-37.956 χ^2/NDF: 39.1/44

All: 15.722+/-25.676 χ^2/NDF: 80.3/93

- 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: 192.283+/-0.046 χ^2/NDF: 1801655.5/19

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

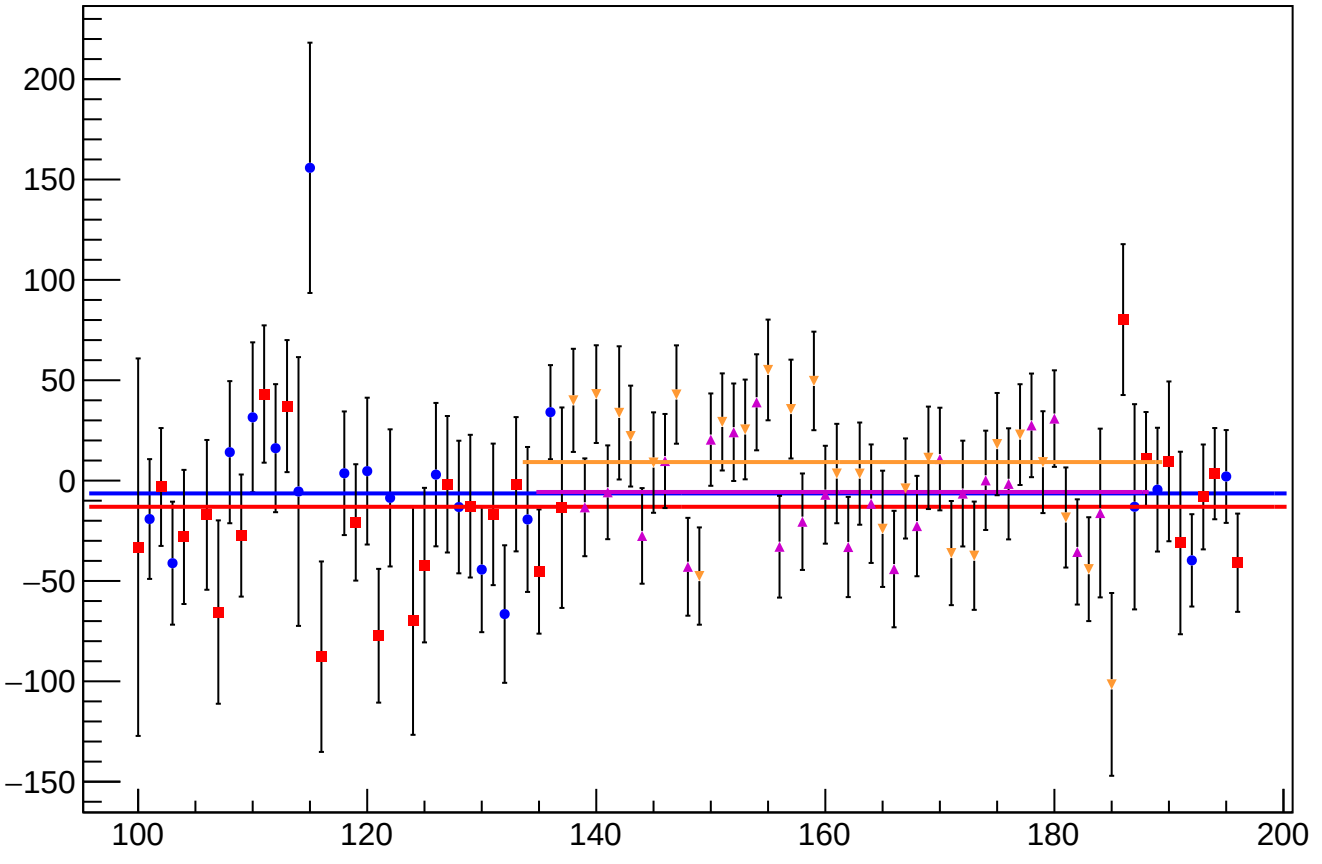
Right Out: 181.455+/-0.040 χ^2/NDF: 2701017.2/25

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 196.001+/-0.027 χ^2/NDF: 3600255.4/44

All: 187.700+/-0.018 χ^2/NDF: 8105964.5/93

- sign 180.697+/-0.025 χ^2/NDF: 4329354.2/48



Right In: -6.386+/-7.219 χ^2/NDF: 20.3/19

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

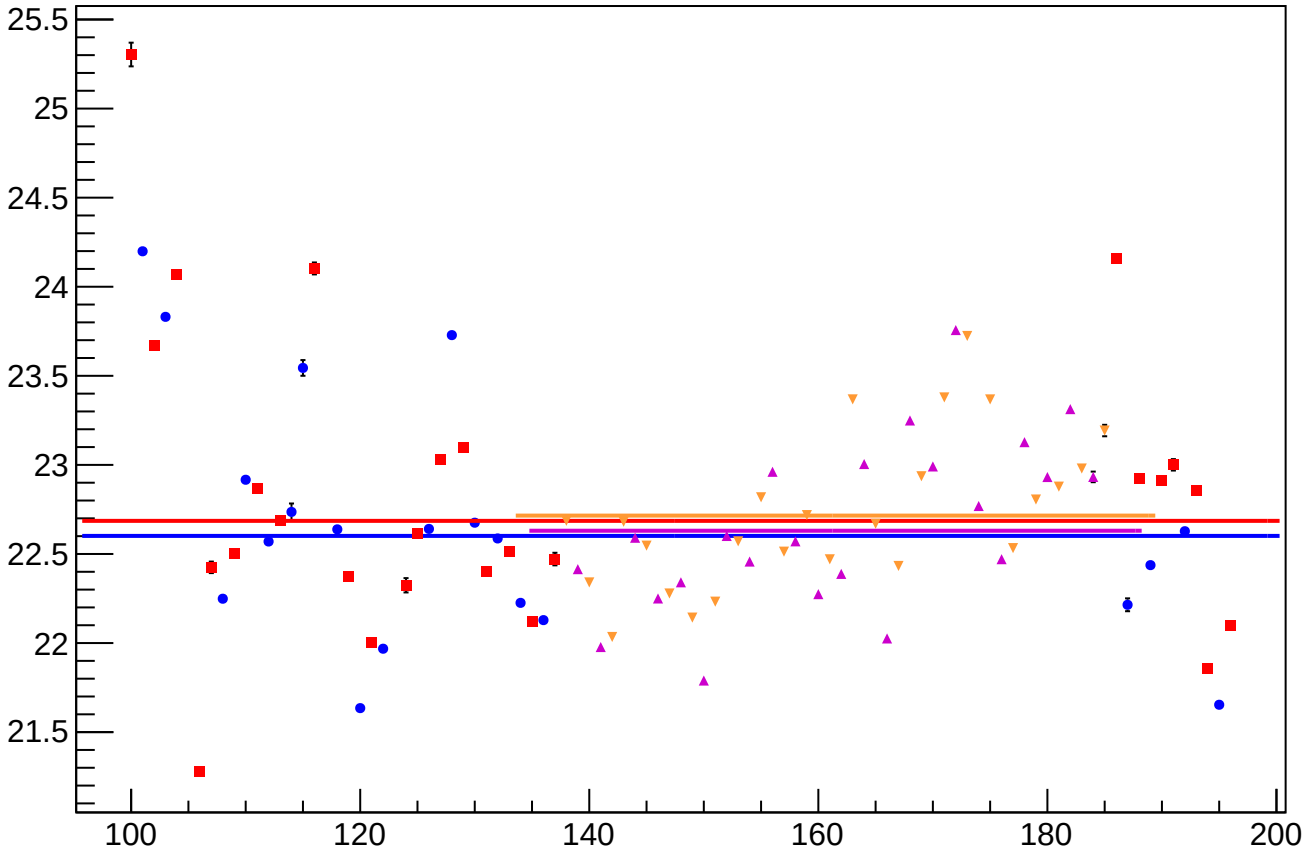
Right Out: -13.047+/-6.556 χ^2/NDF: 25.6/25

Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.949+/-4.199 χ^2/NDF: 62.9/44

All: -2.439+/-2.939 χ^2/NDF: 114.6/93

- sign -8.575+/-4.115 χ^2/NDF: 47.2/48



Right In: 22.601+/-0.005 χ^2/NDF: 18753.0/19

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

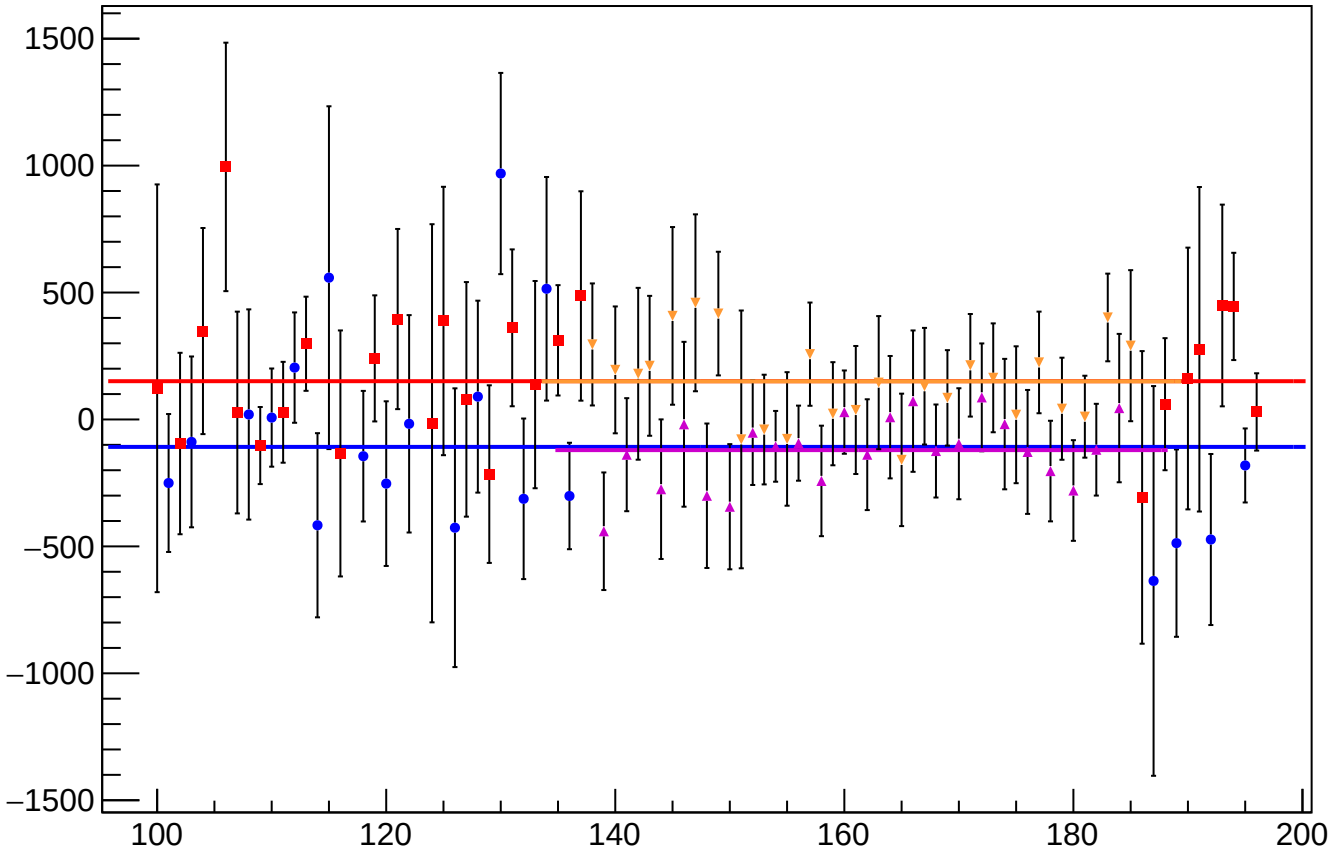
Right Out: 22.686+/-0.005 χ^2/NDF: 21869.2/25

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.677+/-0.003 χ^2/NDF: 31264.4/44

All: 22.664+/-0.002 χ^2/NDF: 68646.1/93

- sign 22.652+/-0.003 χ^2/NDF: 37346.8/48



Right In: -108.098+/-65.172 χ^2/NDF: 19.0/19

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 150.756+/-56.830 χ^2/NDF: 15.5/25

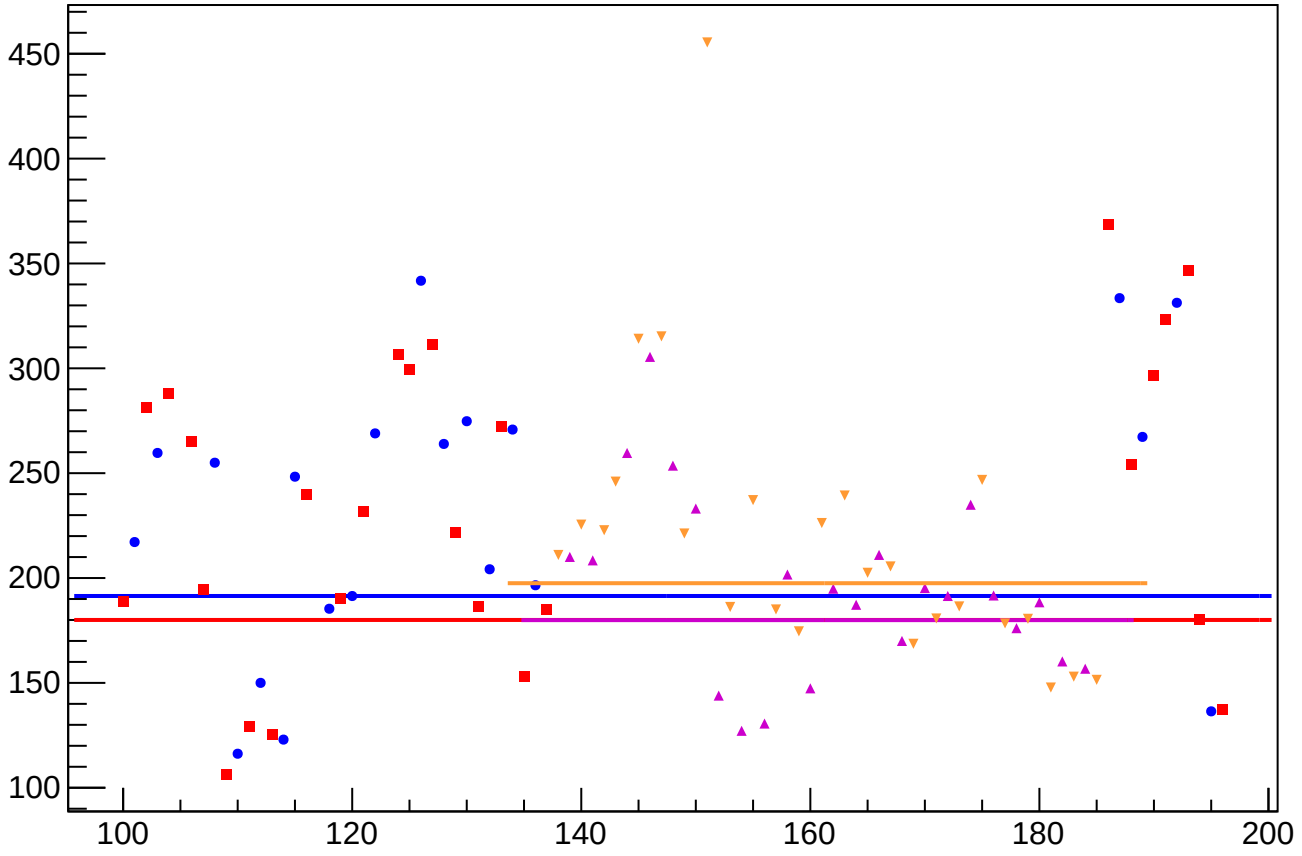
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 62.989+/-37.872 χ^2/NDF: 40.3/44

All: 18.353+/-25.605 χ^2/NDF: 80.6/93

- 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: 191.439+/-0.046 χ^2/NDF: 1837995.5/19

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

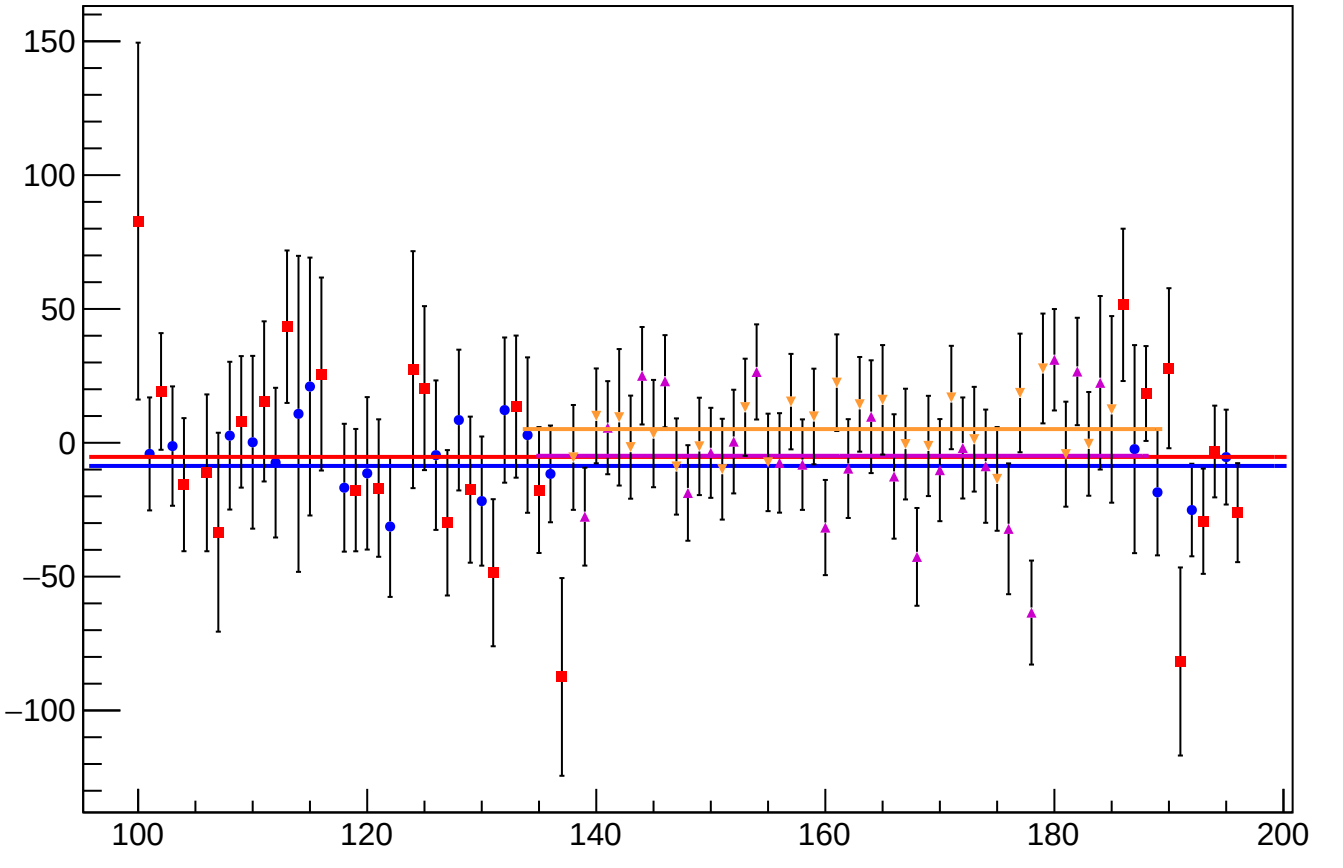
Right Out: 180.009+/-0.040 χ^2/NDF: 2786533.3/25

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 195.476+/-0.027 χ^2/NDF: 3639472.4/44

All: 187.050+/-0.018 χ^2/NDF: 8232512.3/93

- sign 179.955+/-0.025 χ^2/NDF: 4410680.4/48



Right In: -8.648+/-5.590 χ^2/NDF: 4.4/19

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -5.275+/-5.072 χ^2/NDF: 33.7/25

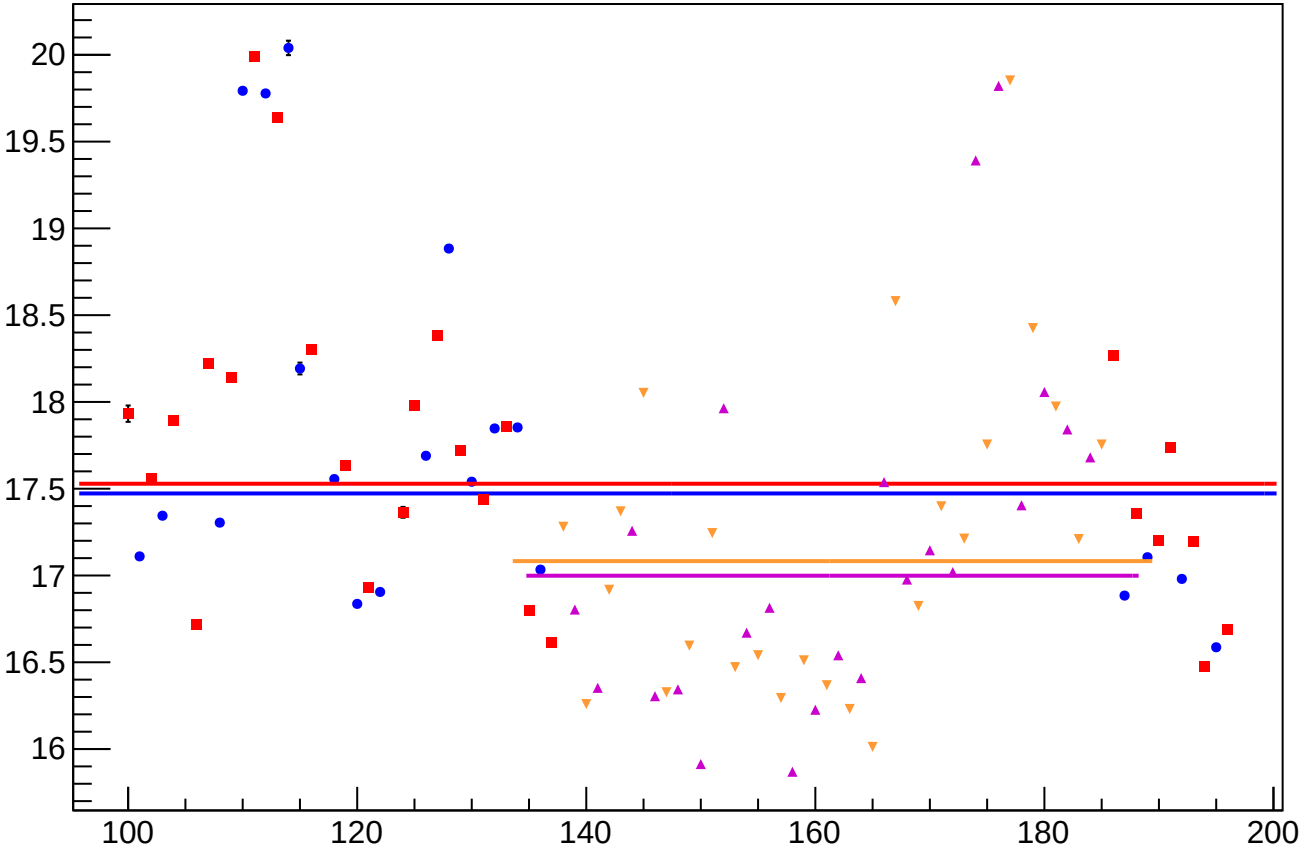
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.627+/-3.193 χ^2/NDF: 16.4/44

All: -2.250+/-2.236 χ^2/NDF: 87.2/93

- sign -5.017+/-3.131 χ^2/NDF: 69.2/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.473+/-0.004 χ^2/NDF: 46202.4/19

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

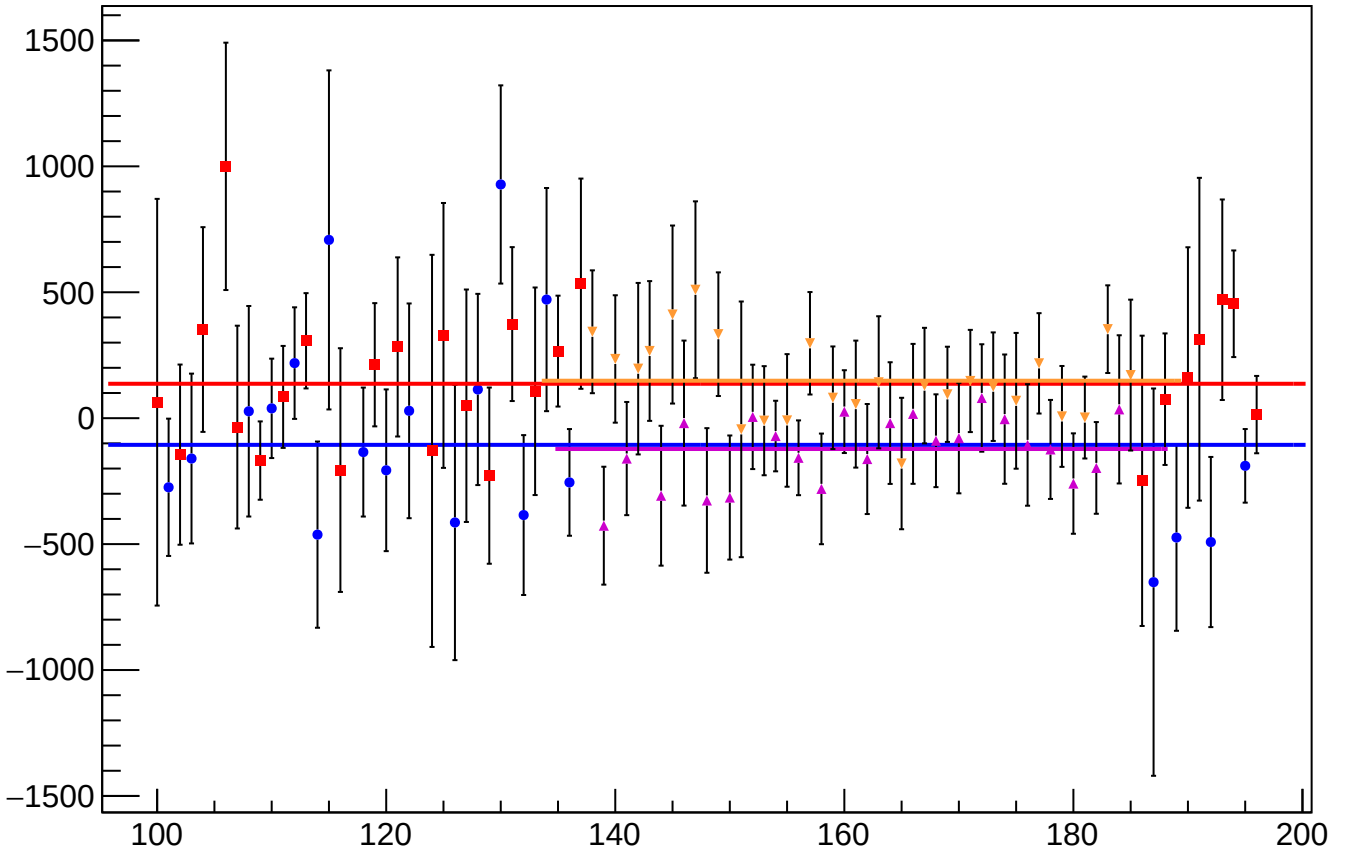
Right Out: 17.529+/-0.004 χ^2/NDF: 50611.4/25

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.210+/-0.002 χ^2/NDF: 149530.1/44

All: 17.205+/-0.002 χ^2/NDF: 317686.5/93

- sign 17.201+/-0.002 χ^2/NDF: 168147.6/48



Right In: -105.890+/-65.568 χ^2/NDF: 19.4/19

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 136.653+/-57.329 χ^2/NDF: 17.1/25

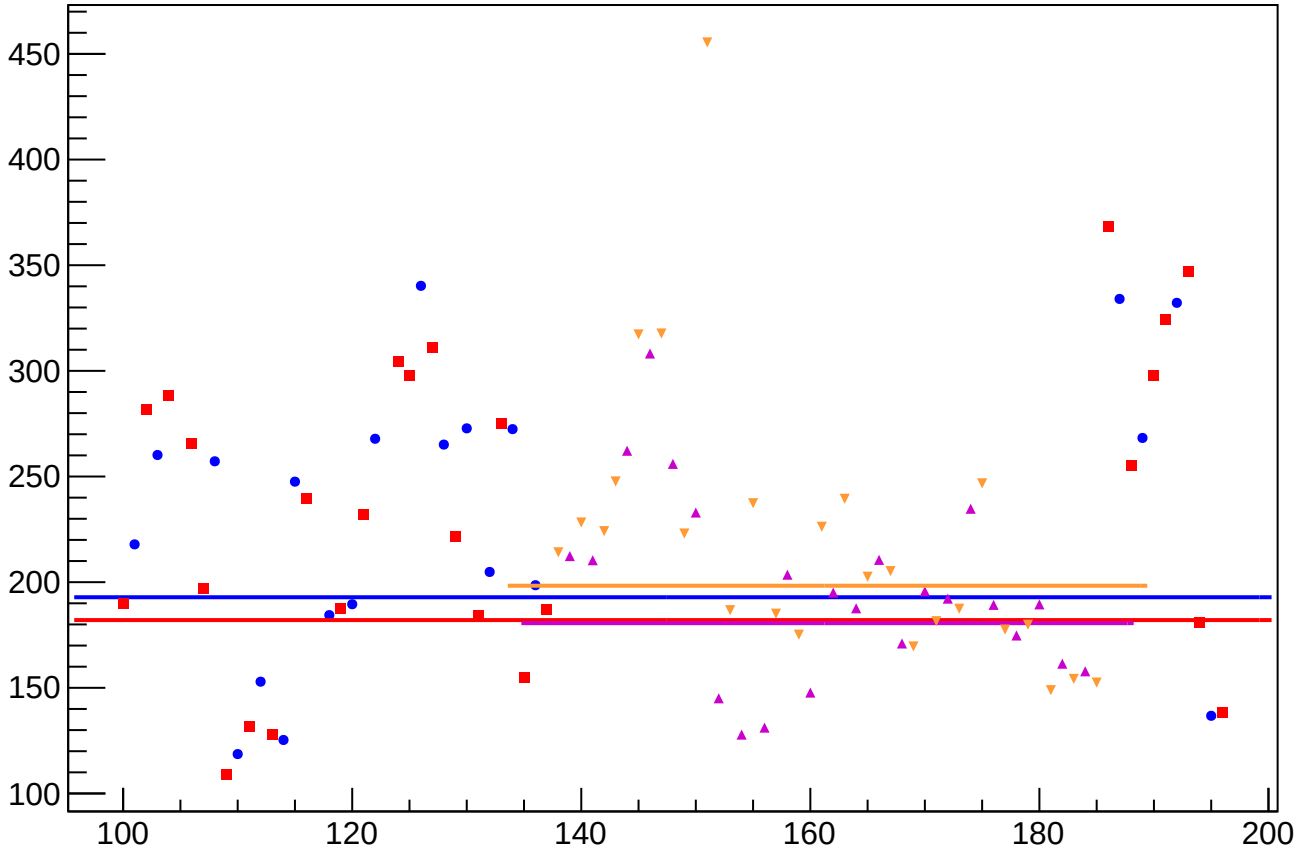
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 63.020+/-38.046 χ^2/NDF: 39.0/44

All: 14.664+/-25.736 χ^2/NDF: 79.7/93

- 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: 192.869+/-0.046 χ^2/NDF: 1790461.5/19

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

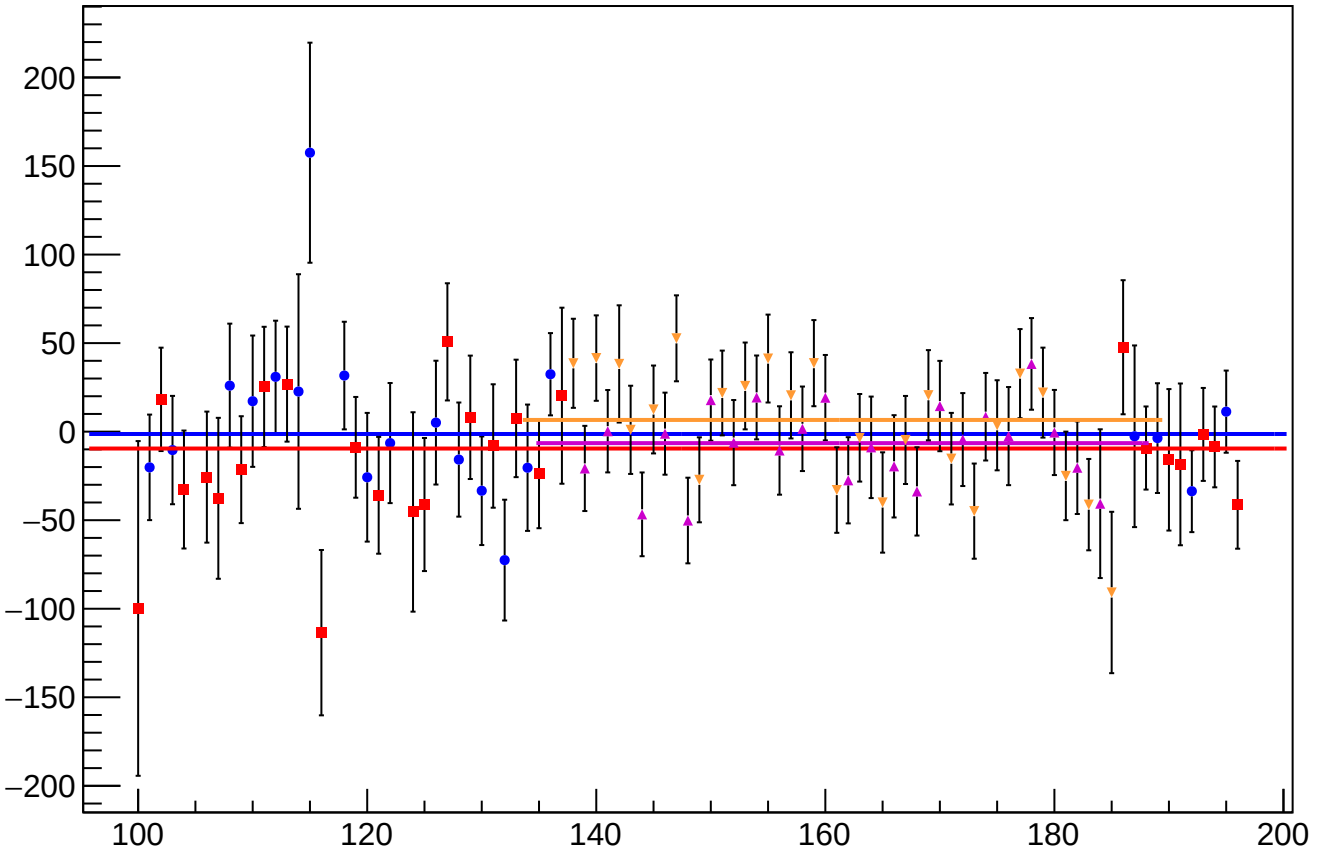
Right Out: 182.057+/-0.041 χ^2/NDF: 2683046.0/25

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 196.480+/-0.027 χ^2/NDF: 3589888.2/44

All: 188.161+/-0.018 χ^2/NDF: 8078124.9/93

- sign 181.142+/-0.025 χ^2/NDF: 4311928.6/48



Right In: -1.324+/-7.175 χ^2/NDF: 21.0/19

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

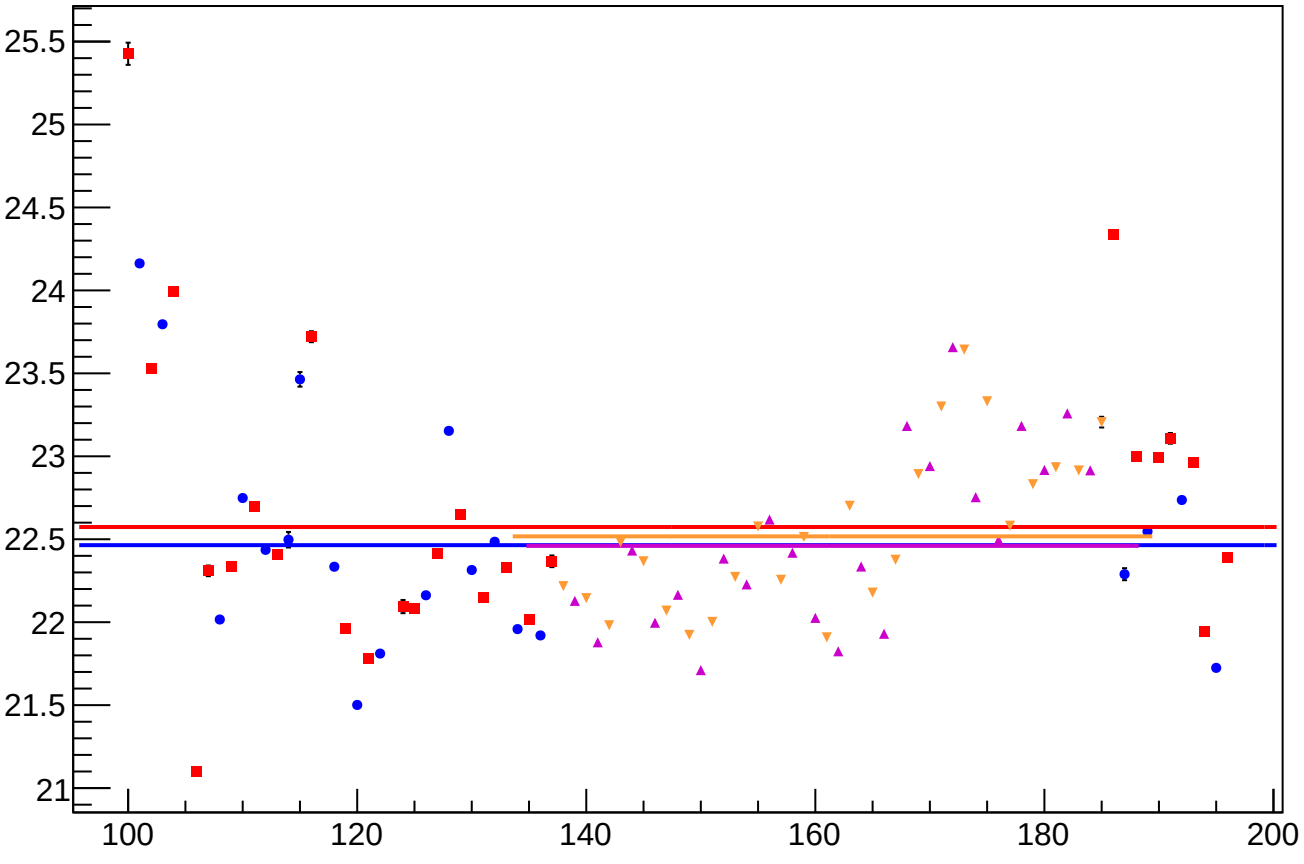
Right Out: -9.533+/-6.523 χ^2/NDF: 20.5/25

Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.936+/-4.166 χ^2/NDF: 58.7/44

All: -1.982+/-2.918 χ^2/NDF: 100.8/93

- sign -7.680+/-4.088 χ^2/NDF: 38.1/48



Right In: 22.464+/-0.005 χ^2/NDF: 18396.0/19

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

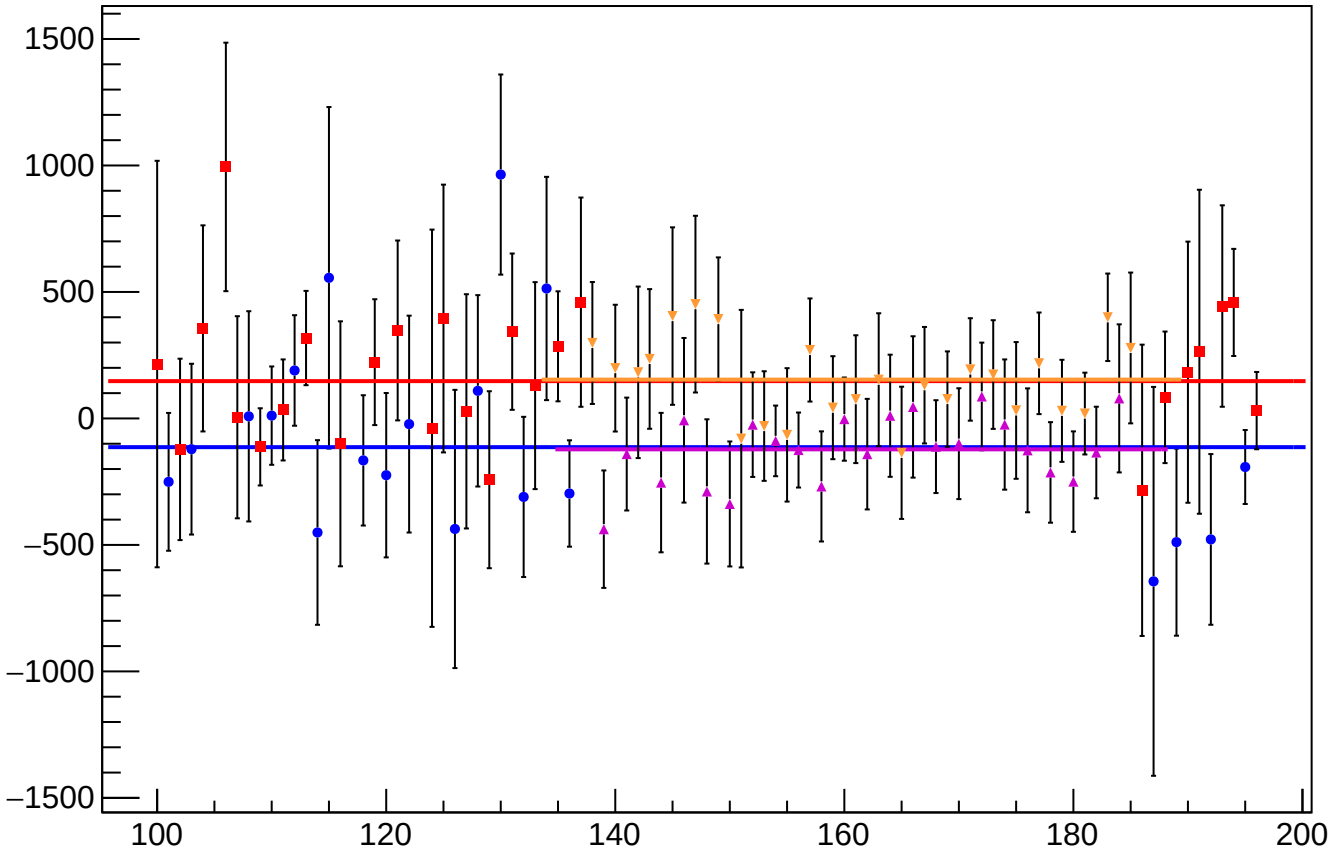
Right Out: 22.574+/-0.005 χ^2/NDF: 23531.0/25

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.500+/-0.003 χ^2/NDF: 34470.9/44

All: 22.502+/-0.002 χ^2/NDF: 77488.4/93

\- sign 22.505+/-0.003 χ^2/NDF: 43015.9/48



Right In: -113.537+/-65.353 χ^2/NDF: 19.0/19

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 147.517+/-56.998 χ^2/NDF: 15.6/25

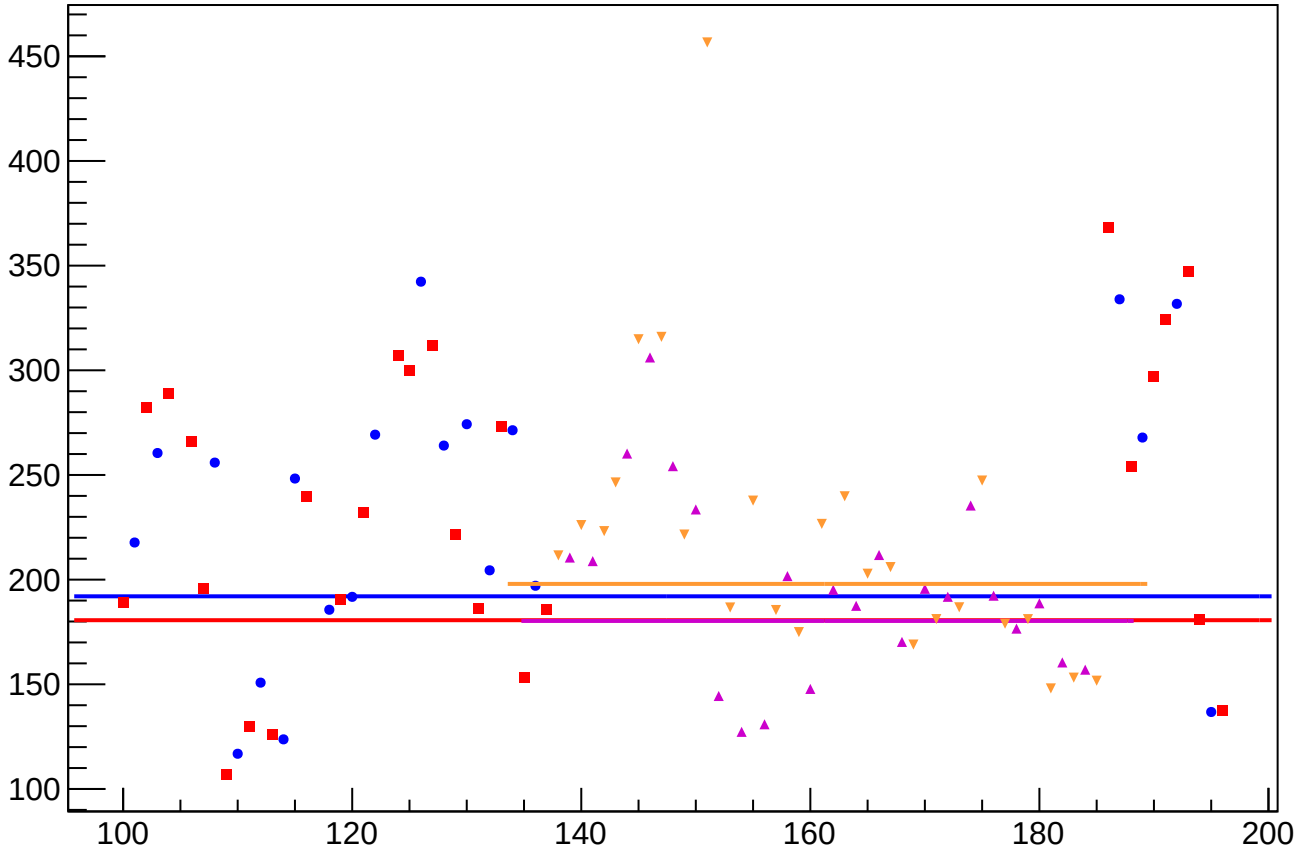
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 63.404+/-37.961 χ^2/NDF: 40.1/44

All: 17.337+/-25.665 χ^2/NDF: 79.9/93

- 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: 192.033+/-0.046 χ^2/NDF: 1826174.1/19

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 180.622+/-0.040 χ^2/NDF: 2767571.5/25

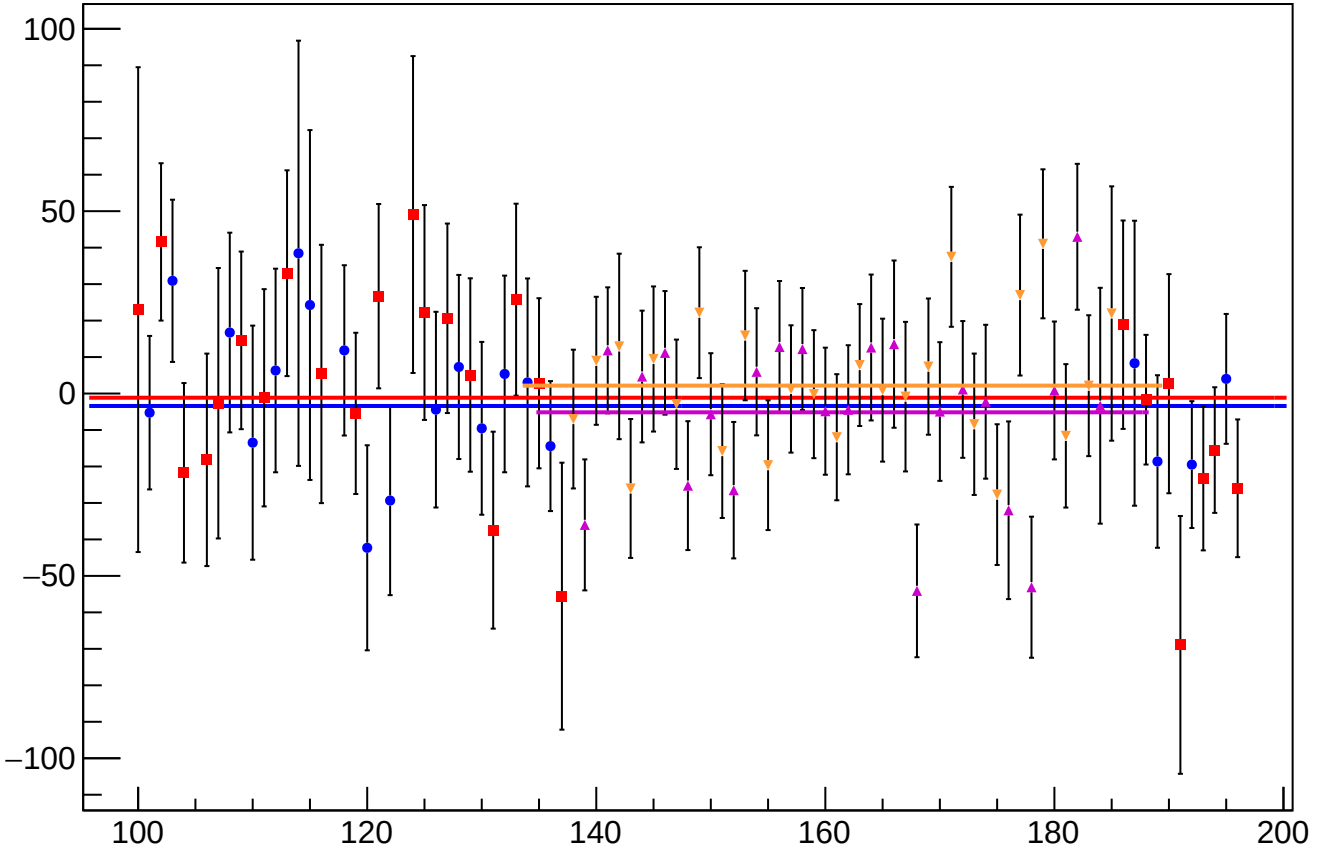
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 195.958+/-0.027 χ^2/NDF: 3628417.4/44

All: 187.514+/-0.018 χ^2/NDF: 8203006.9/93

- sign 180.404+/-0.025 χ^2/NDF: 4392300.8/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.410+/-5.540 χ^2/NDF: 9.7/19

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -1.146+/-5.036 χ^2/NDF: 23.9/25

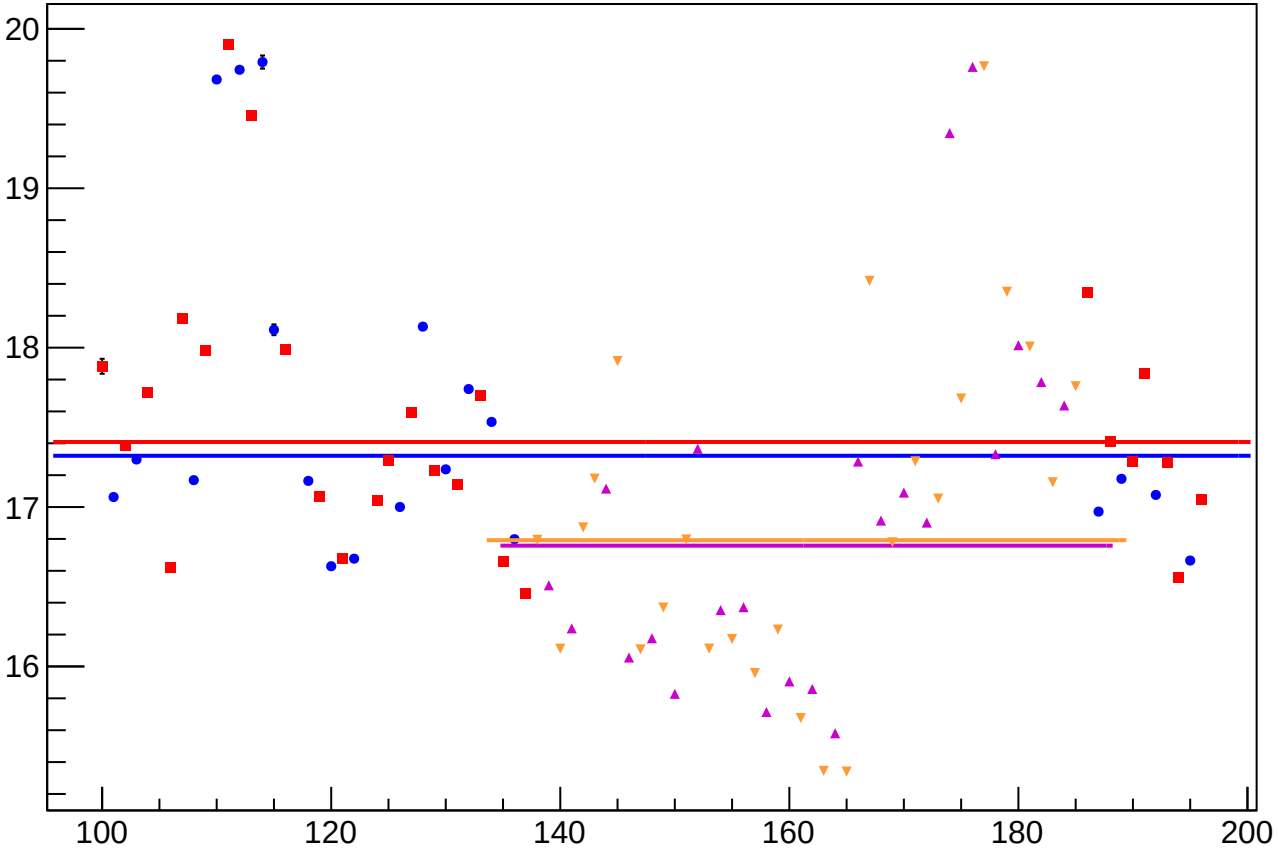
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.371+/-3.148 χ^2/NDF: 30.3/44

All: -1.667+/-2.207 χ^2/NDF: 87.8/93

- sign -3.638+/-3.095 χ^2/NDF: 56.6/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.322+/-0.004 χ^2/NDF: 40971.3/19

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

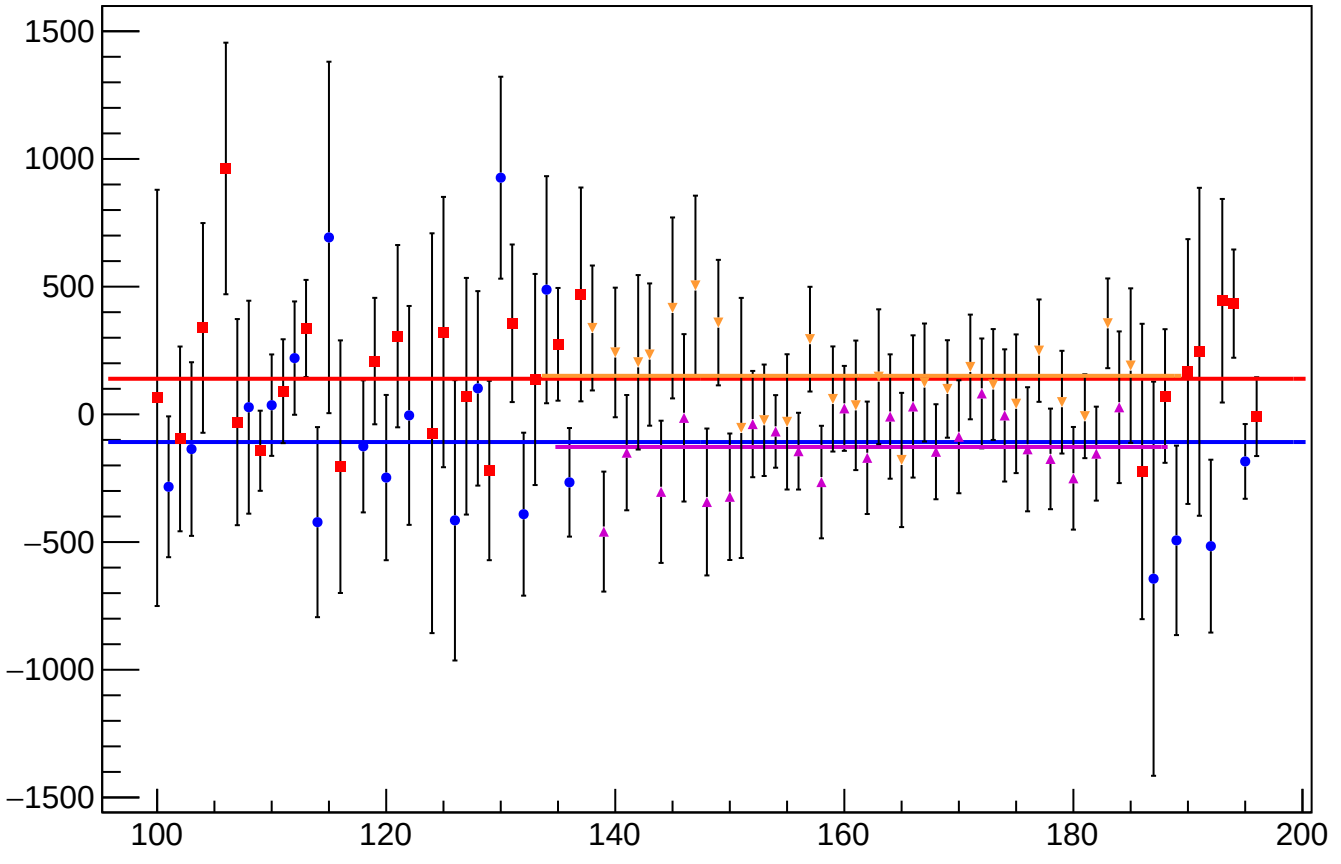
Right Out: 17.408+/-0.004 χ^2/NDF: 43559.8/25

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.963+/-0.002 χ^2/NDF: 190355.1/44

All: 16.984+/-0.002 χ^2/NDF: 378145.5/93

\- sign 17.004+/-0.002 χ^2/NDF: 187621.9/48



Right In: -108.383+/-65.866 χ^2/NDF: 19.4/19

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 139.343+/-57.636 χ^2/NDF: 15.5/25

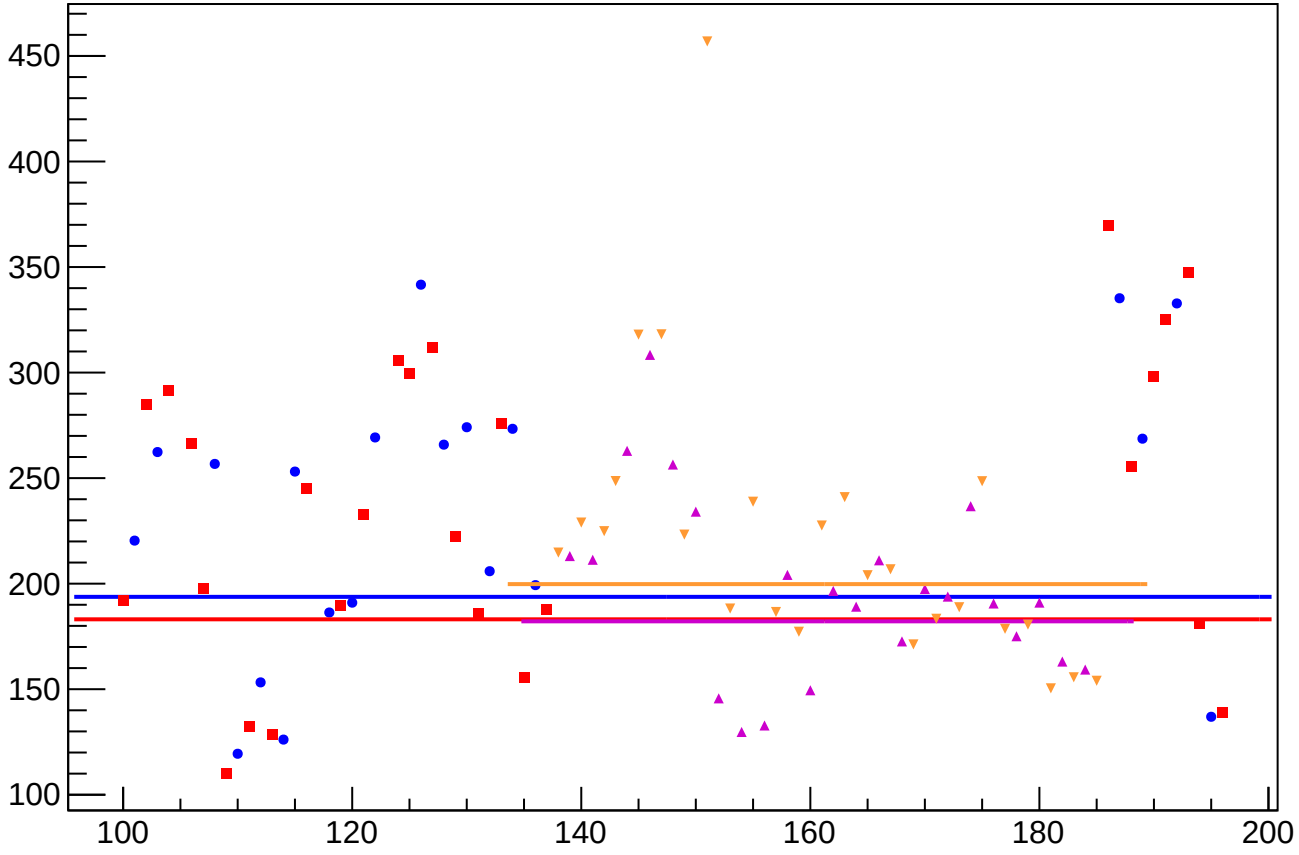
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 63.324+/-38.277 χ^2/NDF: 39.7/44

All: 13.730+/-25.904 χ^2/NDF: 79.5/93

- 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: 193.753+/-0.047 χ^2/NDF: 1793281.5/19

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

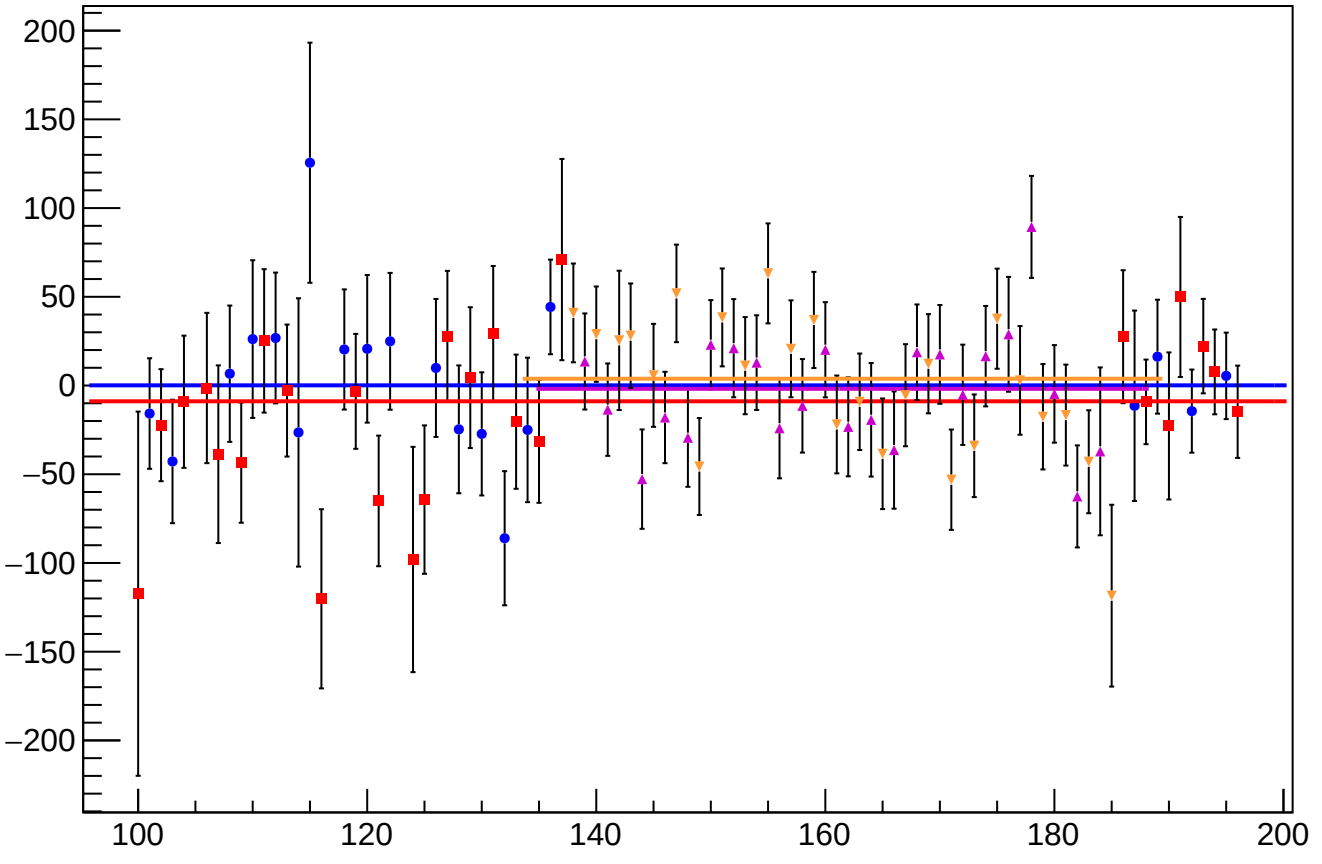
Right Out: 183.107+/-0.041 χ^2/NDF: 2675967.7/25

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 197.748+/-0.027 χ^2/NDF: 3564716.8/44

All: 189.487+/-0.018 χ^2/NDF: 7997240.9/93

\- sign 182.507+/-0.025 χ^2/NDF: 4260671.8/48



Right In: 0.103+/-7.883 χ^2/NDF: 17.5/19

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -8.891+/-7.074 χ^2/NDF: 23.7/25

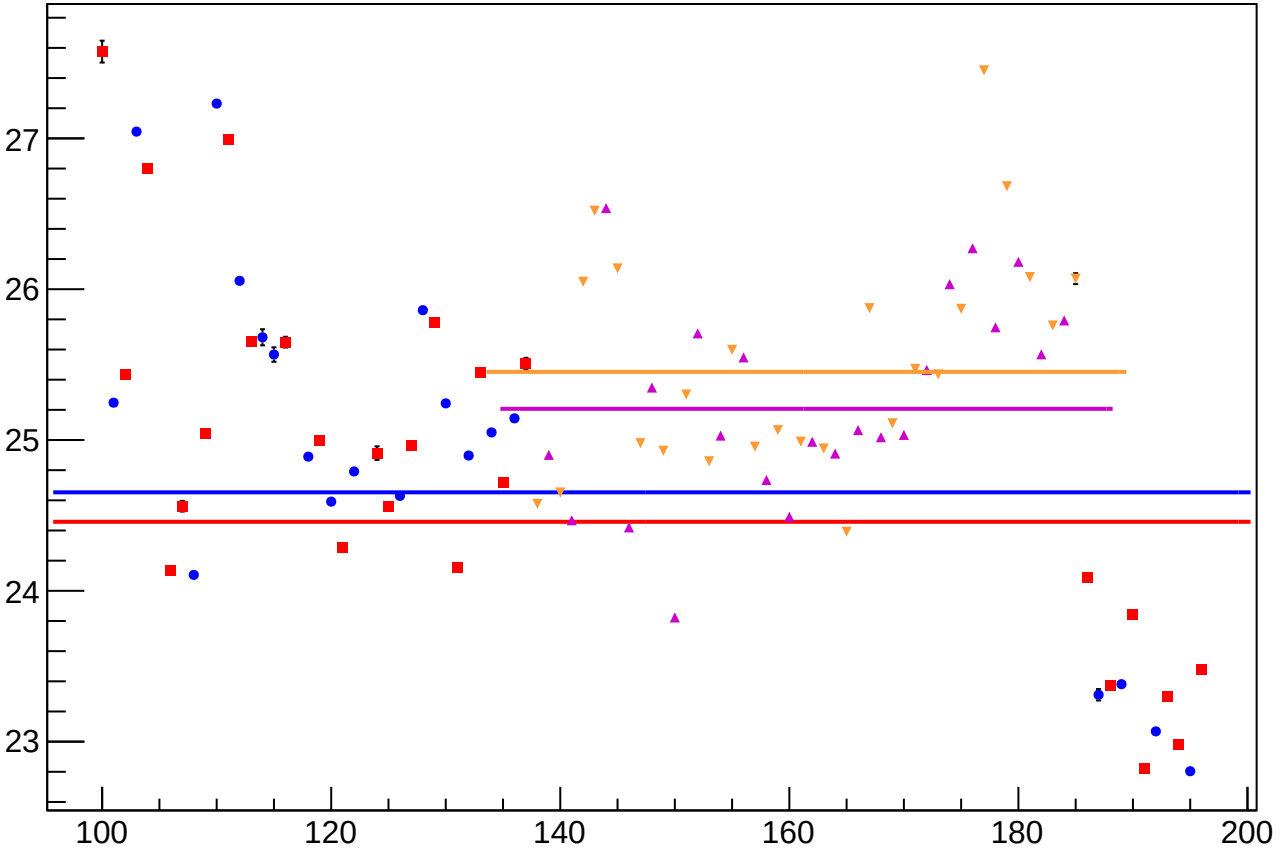
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

\+ sign 2.525+/-4.666 χ^2/NDF: 55.2/44

All: -1.214+/-3.249 χ^2/NDF: 108.8/93

\- sign -4.734+/-4.528 χ^2/NDF: 52.3/48

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.653+/-0.006 χ^2/NDF: 49927.3/19

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

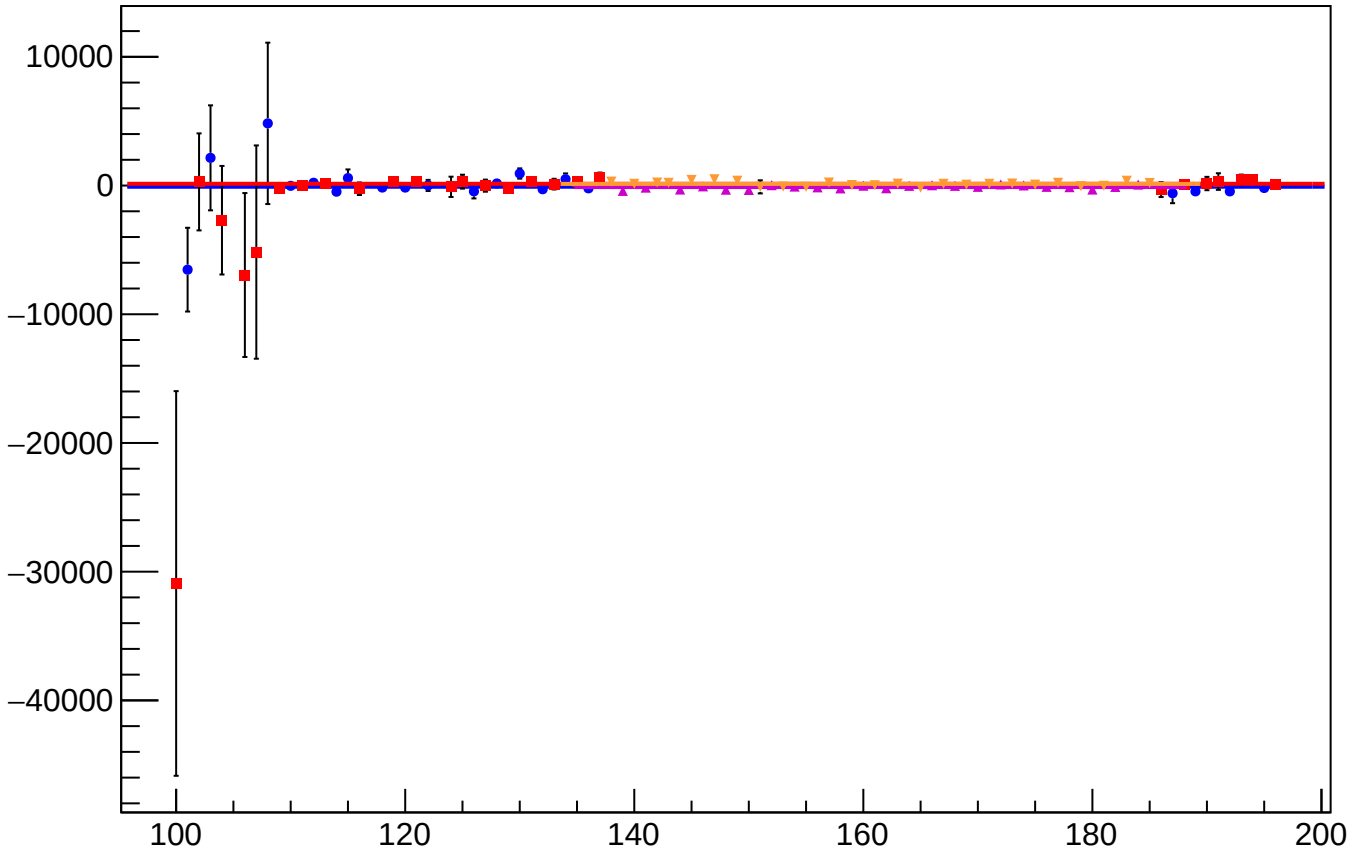
Right Out: 24.458+/-0.005 χ^2/NDF: 50711.4/25

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

\+ sign 25.172+/-0.003 χ^2/NDF: 92879.2/44

All: 25.032+/-0.002 χ^2/NDF: 186156.2/93

\- sign 24.900+/-0.003 χ^2/NDF: 89775.6/48



Right In: -92.547+/-70.660 χ^2/NDF: 22.0/19

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

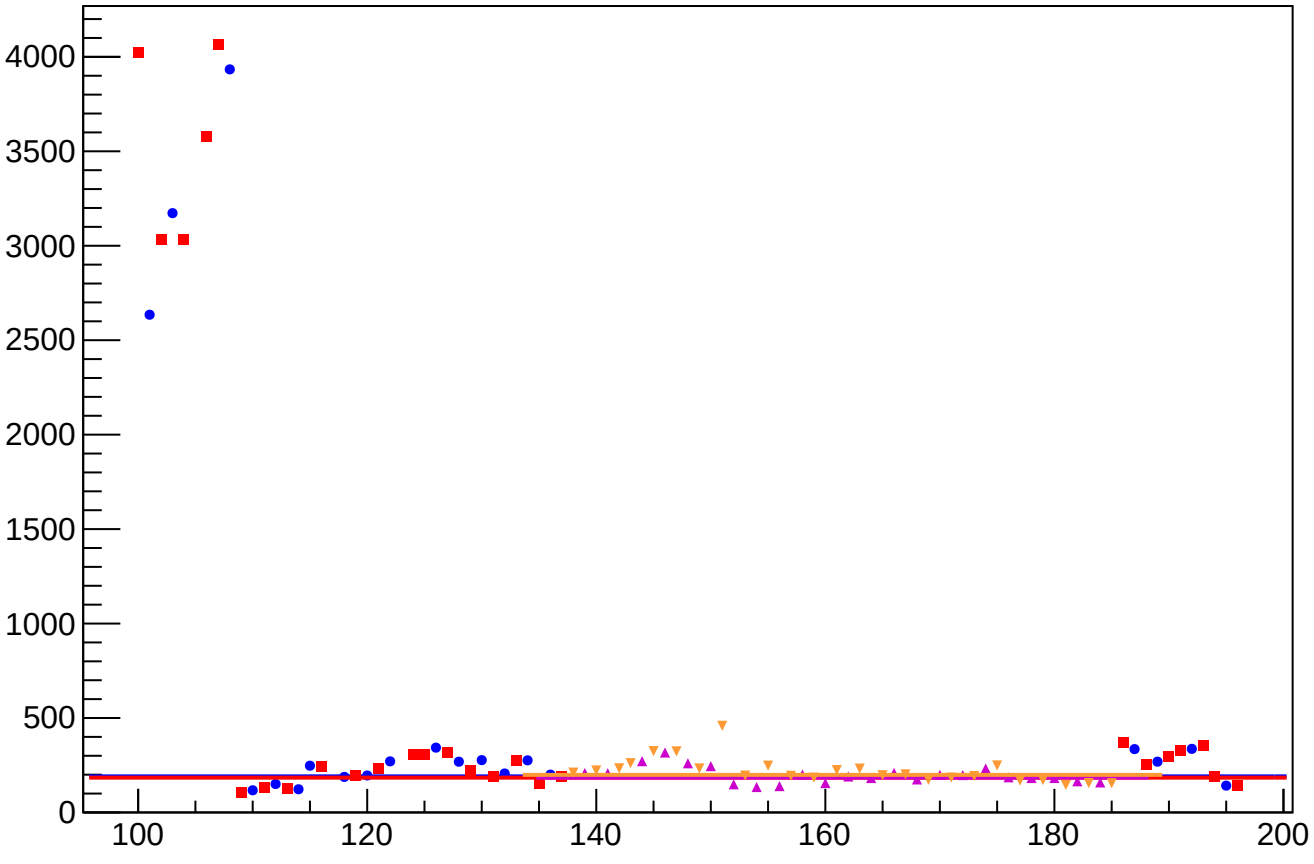
Right Out: 136.998+/-62.803 χ^2/NDF: 17.8/25

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 58.531+/-39.091 χ^2/NDF: 39.7/44

All: 10.525+/-26.682 χ^2/NDF: 79.2/93

- sign -31.352+/-36.510 χ^2/NDF: 36.6/48



Right In: 191.120+/-0.050 χ^2/NDF: 4550446.3/19

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

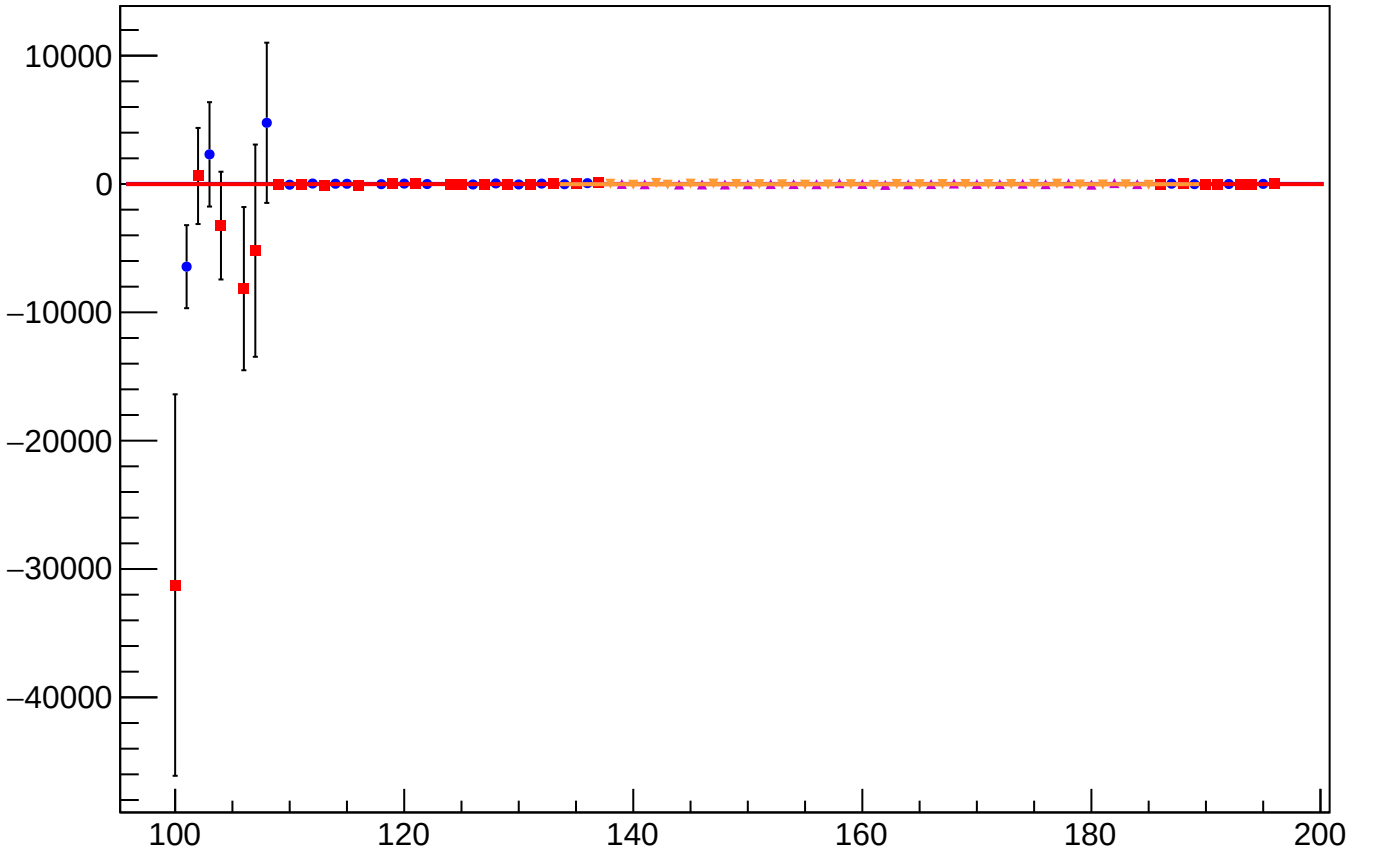
Right Out: 184.243+/-0.044 χ^2/NDF: 5365529.1/25

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 196.584+/-0.028 χ^2/NDF: 6469835.8/44

All: 190.048+/-0.019 χ^2/NDF: 13386372.0/93

- sign 184.346+/-0.026 χ^2/NDF: 6811843.2/48



Right In: 6.960+/-9.611 χ^2/NDF: 16.5/19

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -11.188+/-8.783 χ^2/NDF: 27.8/25

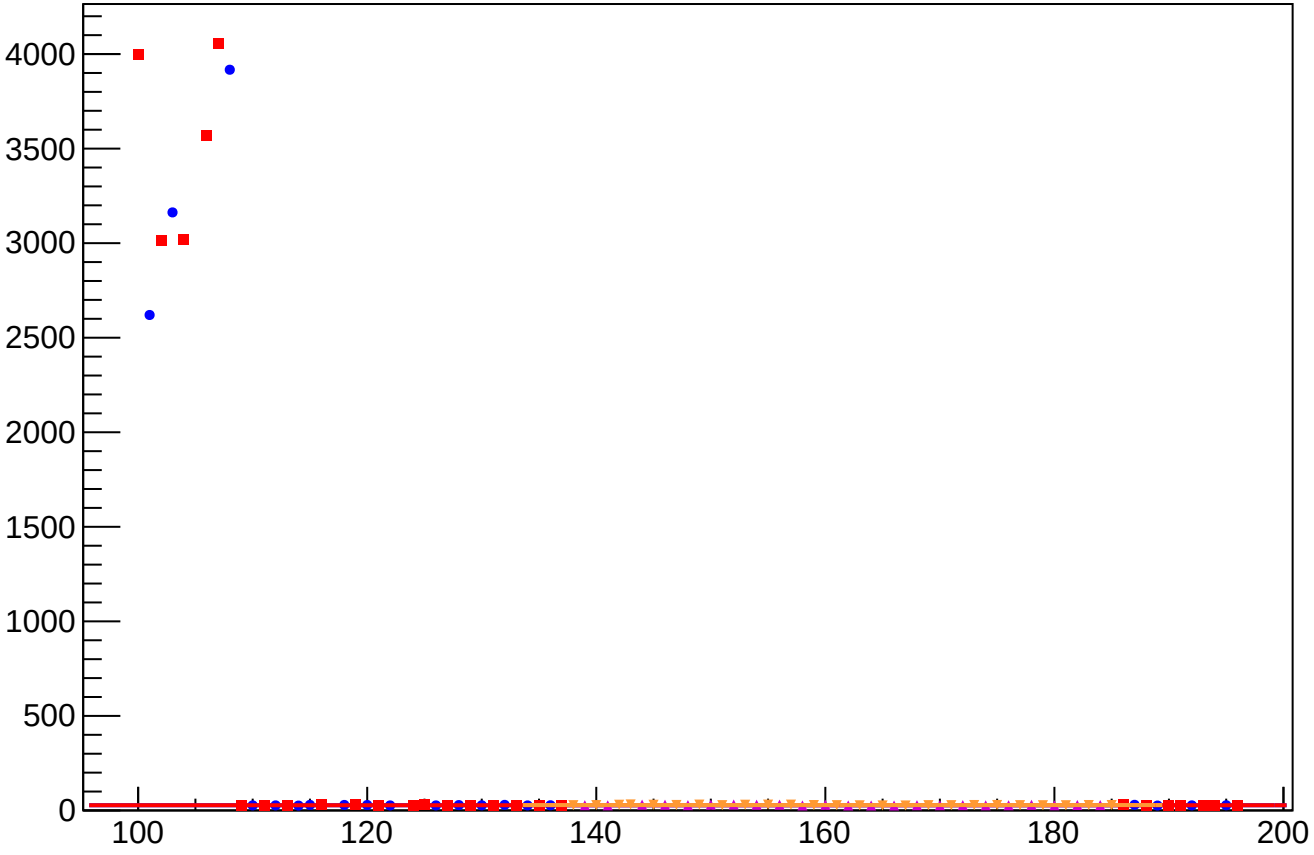
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.973+/-5.391 χ^2/NDF: 42.2/44

All: -6.717+/-3.790 χ^2/NDF: 99.1/93

- sign -5.491+/-5.329 χ^2/NDF: 56.8/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.444+/-0.007 χ^2/NDF: 3272800.4/19

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

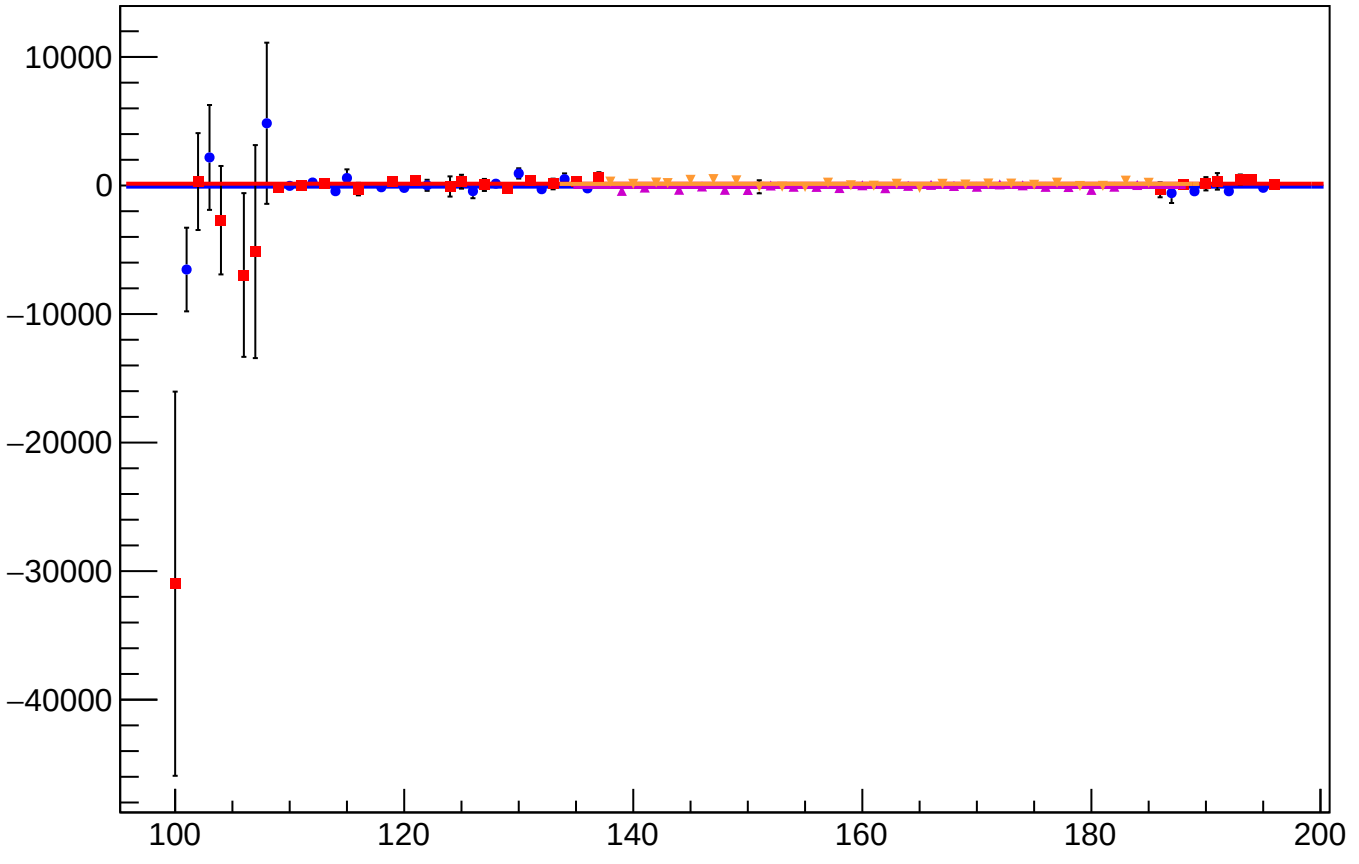
Right Out: 27.588+/-0.006 χ^2/NDF: 3580778.1/25

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 28.227+/-0.004 χ^2/NDF: 3380262.3/44

All: 28.229+/-0.003 χ^2/NDF: 7100942.1/93

\- sign 28.231+/-0.004 χ^2/NDF: 3720679.0/48



Right In: -88.106+/-70.470 χ^2/NDF: 22.0/19

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

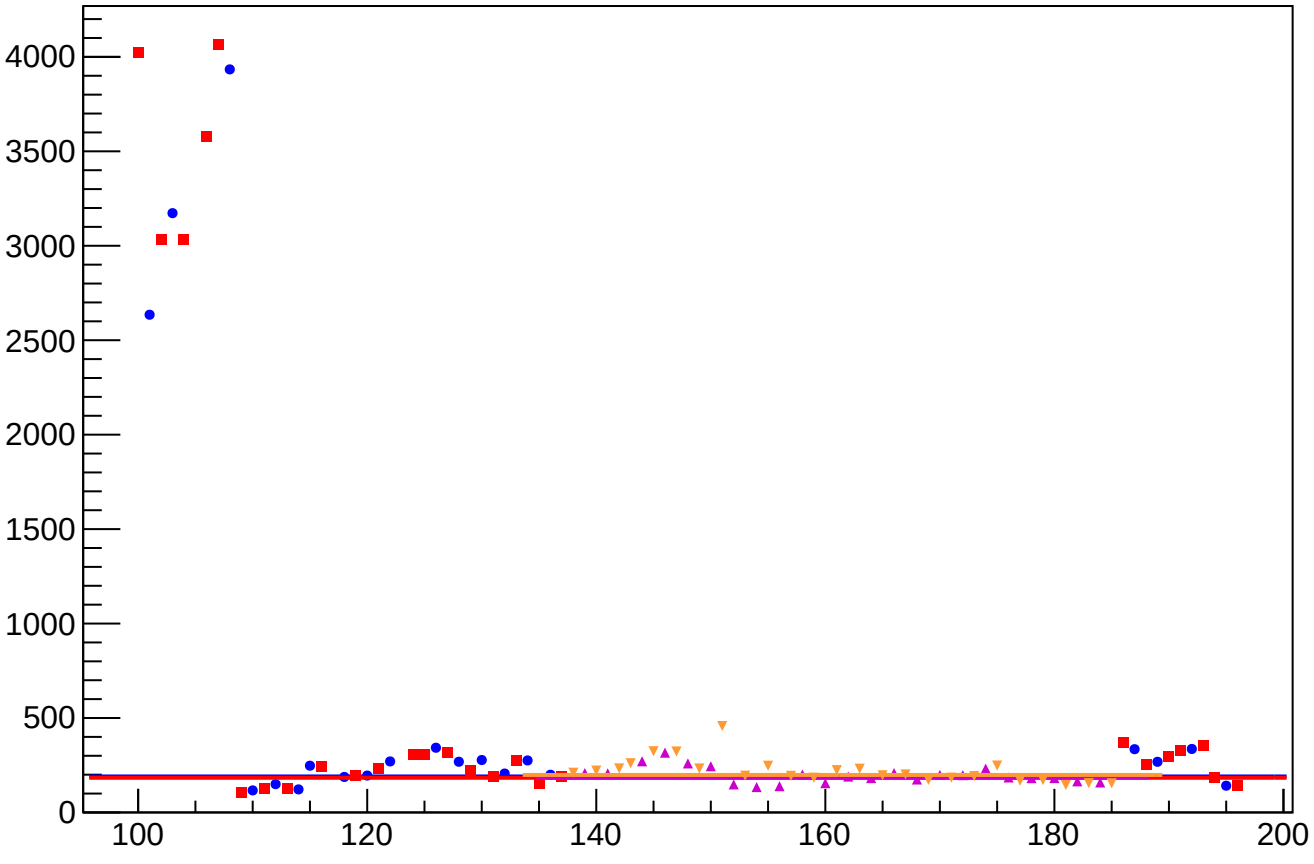
Right Out: 140.037+/-62.636 χ^2/NDF: 18.1/25

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 57.589+/-39.000 χ^2/NDF: 40.1/44

All: 11.058+/-26.623 χ^2/NDF: 80.3/93

- sign -29.544+/-36.431 χ^2/NDF: 37.6/48



Right In: 190.524+/-0.050 χ^2/NDF: 4563676.2/19

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

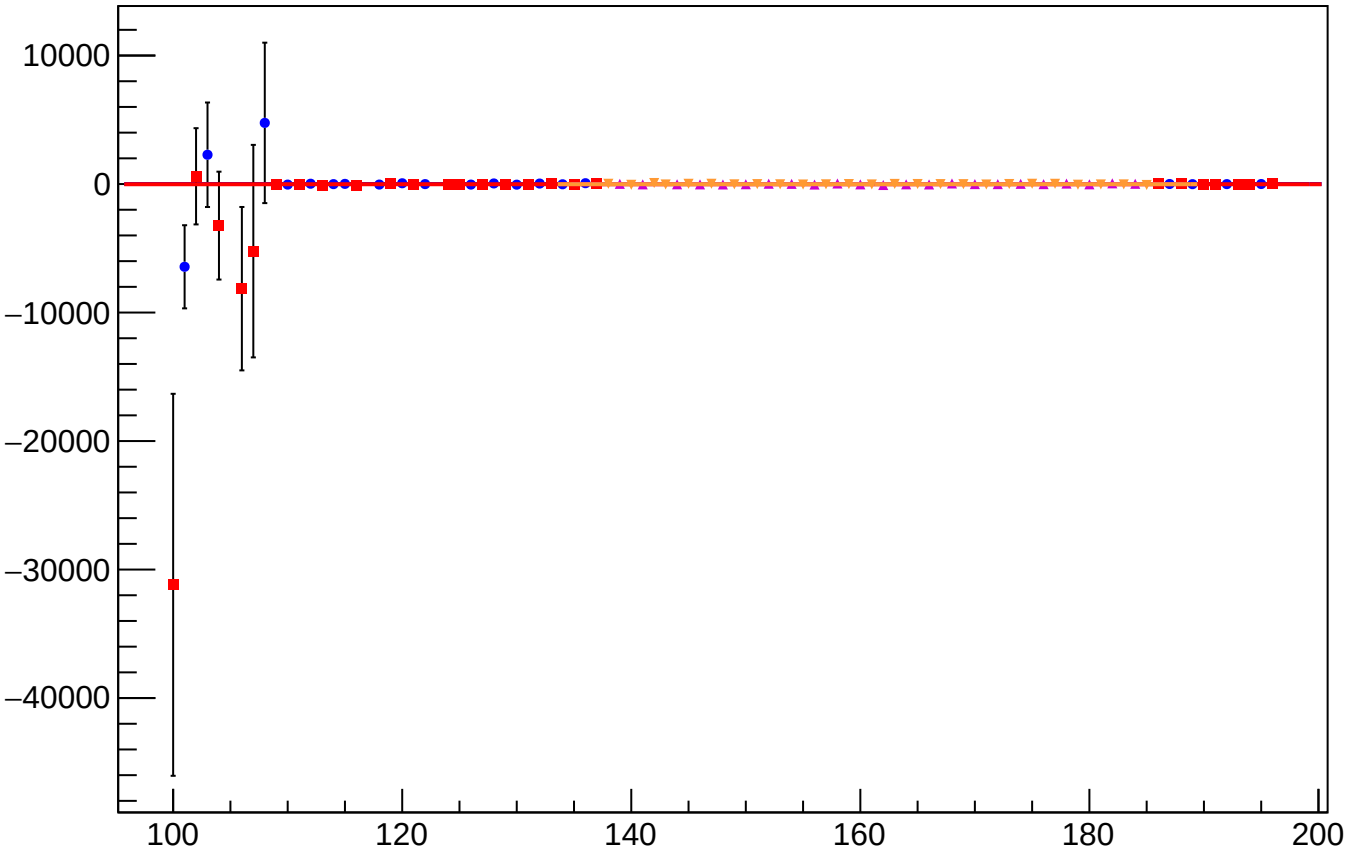
Right Out: 183.658+/-0.044 χ^2/NDF: 5384197.7/25

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.106+/-0.028 χ^2/NDF: 6483271.0/44

All: 189.597+/-0.019 χ^2/NDF: 13417252.2/93

- sign 183.918+/-0.026 χ^2/NDF: 6829675.7/48



Right In: 3.053+/-9.652 χ^2/NDF: 18.6/19

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -14.474+/-8.810 χ^2/NDF: 27.2/25

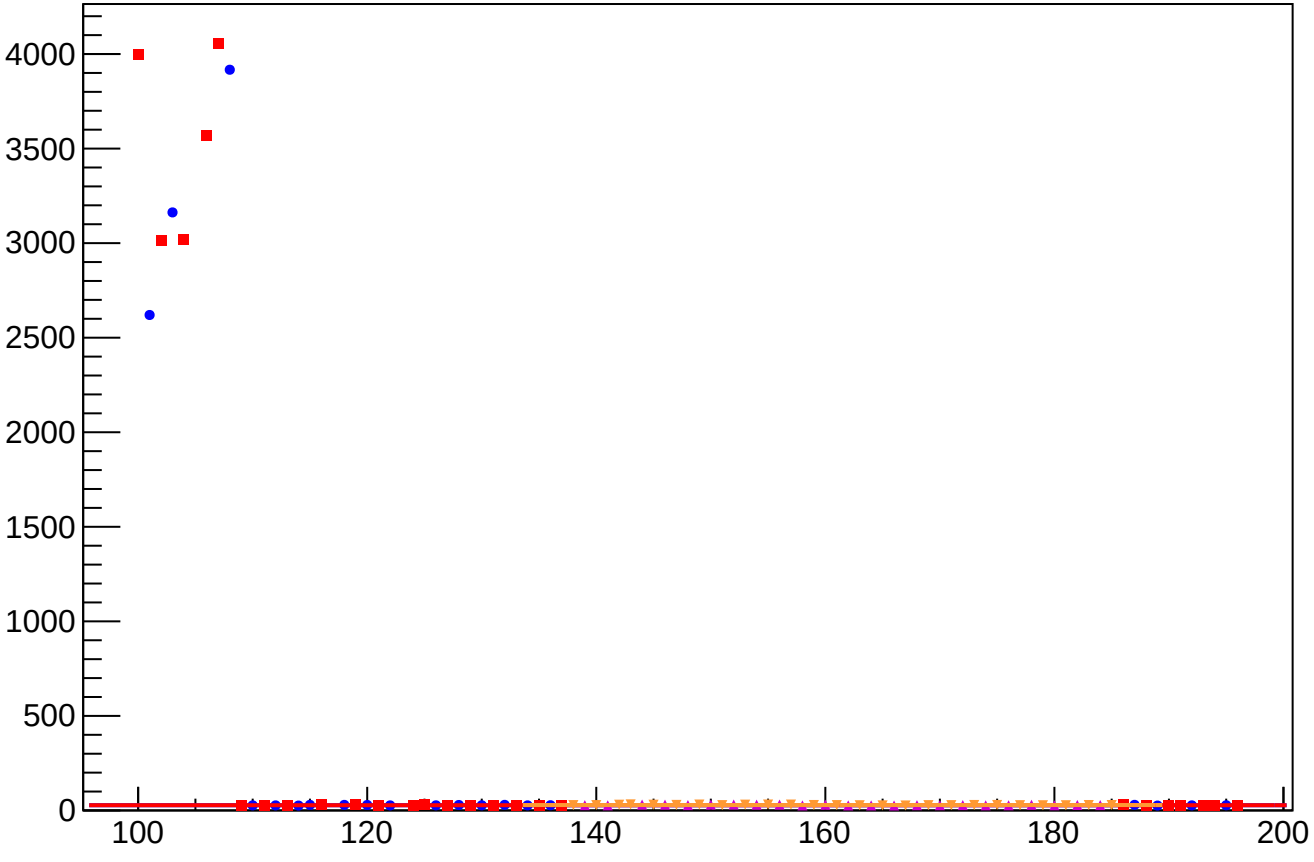
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.168+/-5.414 χ^2/NDF: 38.1/44

All: -7.064+/-3.805 χ^2/NDF: 88.7/93

- sign -6.962+/-5.349 χ^2/NDF: 50.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.556+/-0.007 χ^2/NDF: 3274766.4/19

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

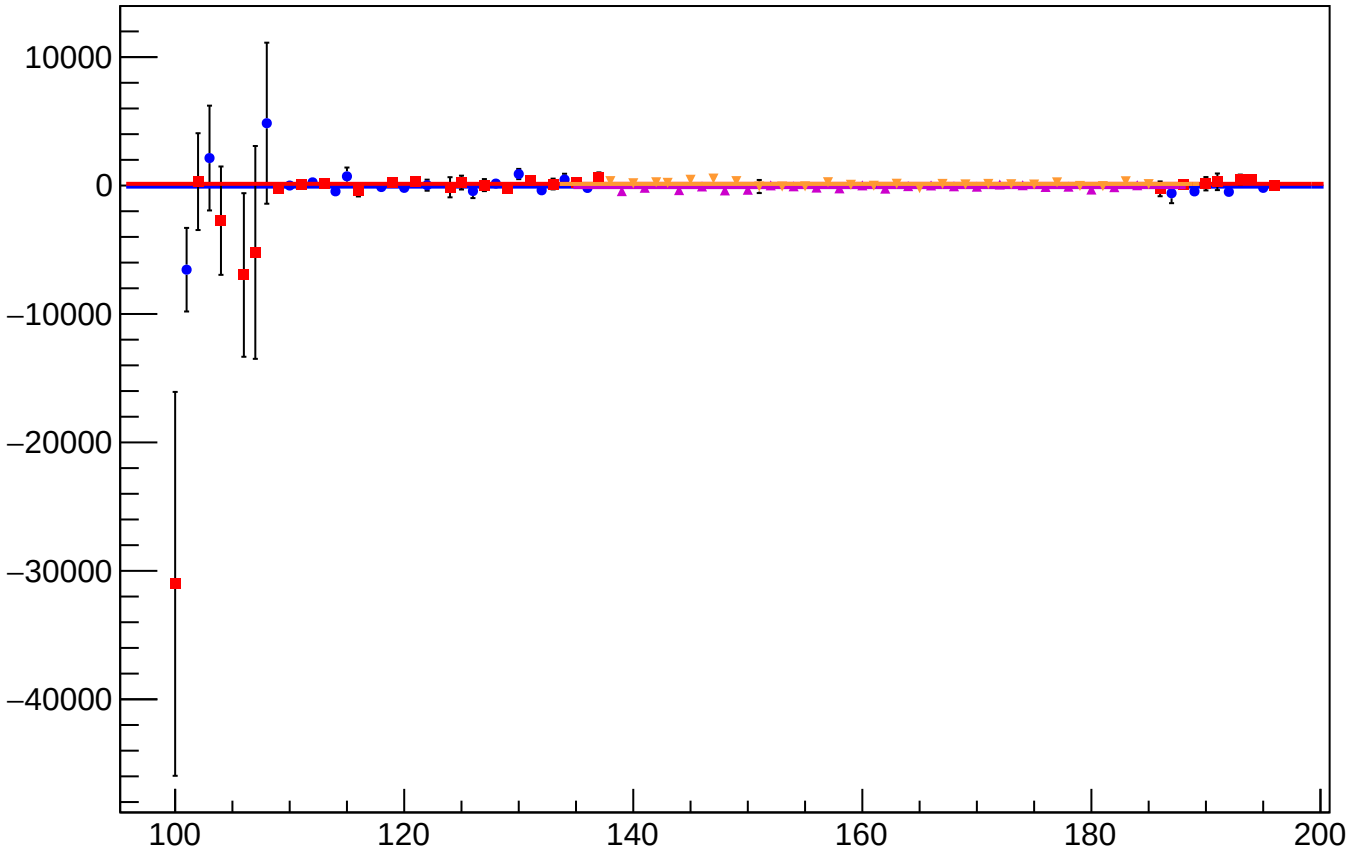
Right Out: 27.673+/-0.006 χ^2/NDF: 3578052.5/25

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.345+/-0.004 χ^2/NDF: 3393139.0/44

All: 28.342+/-0.003 χ^2/NDF: 7116679.6/93

\- sign 28.339+/-0.004 χ^2/NDF: 3723539.3/48



Right In: -84.686+/-71.118 χ^2/NDF: 22.4/19

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

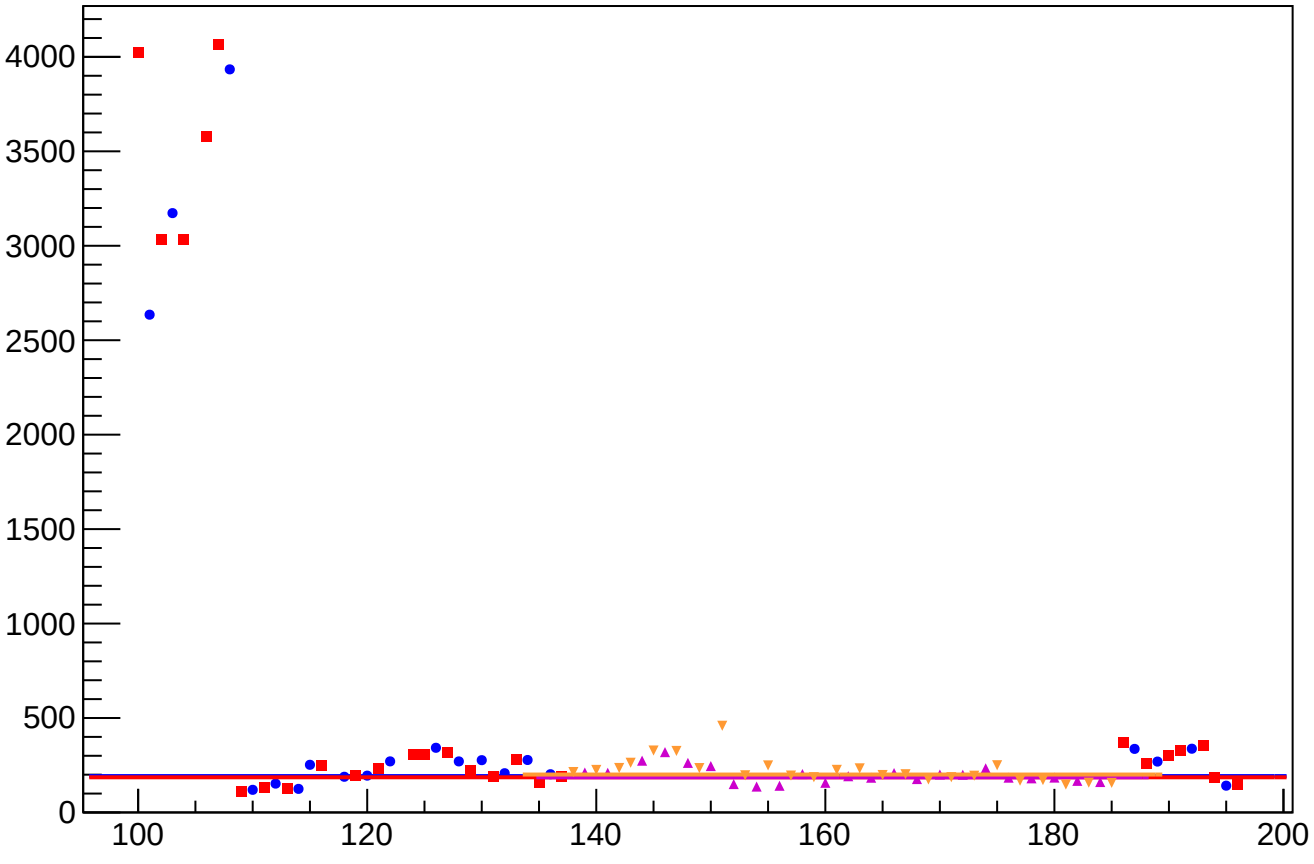
Right Out: 133.621+/-63.318 χ^2/NDF: 17.3/25

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 59.212+/-39.384 χ^2/NDF: 39.7/44

All: 8.291+/-26.899 χ^2/NDF: 79.4/93

- sign -36.228+/-36.825 χ^2/NDF: 36.6/48



Right In: 192.579+/-0.050 χ^2/NDF: 4520533.9/19

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

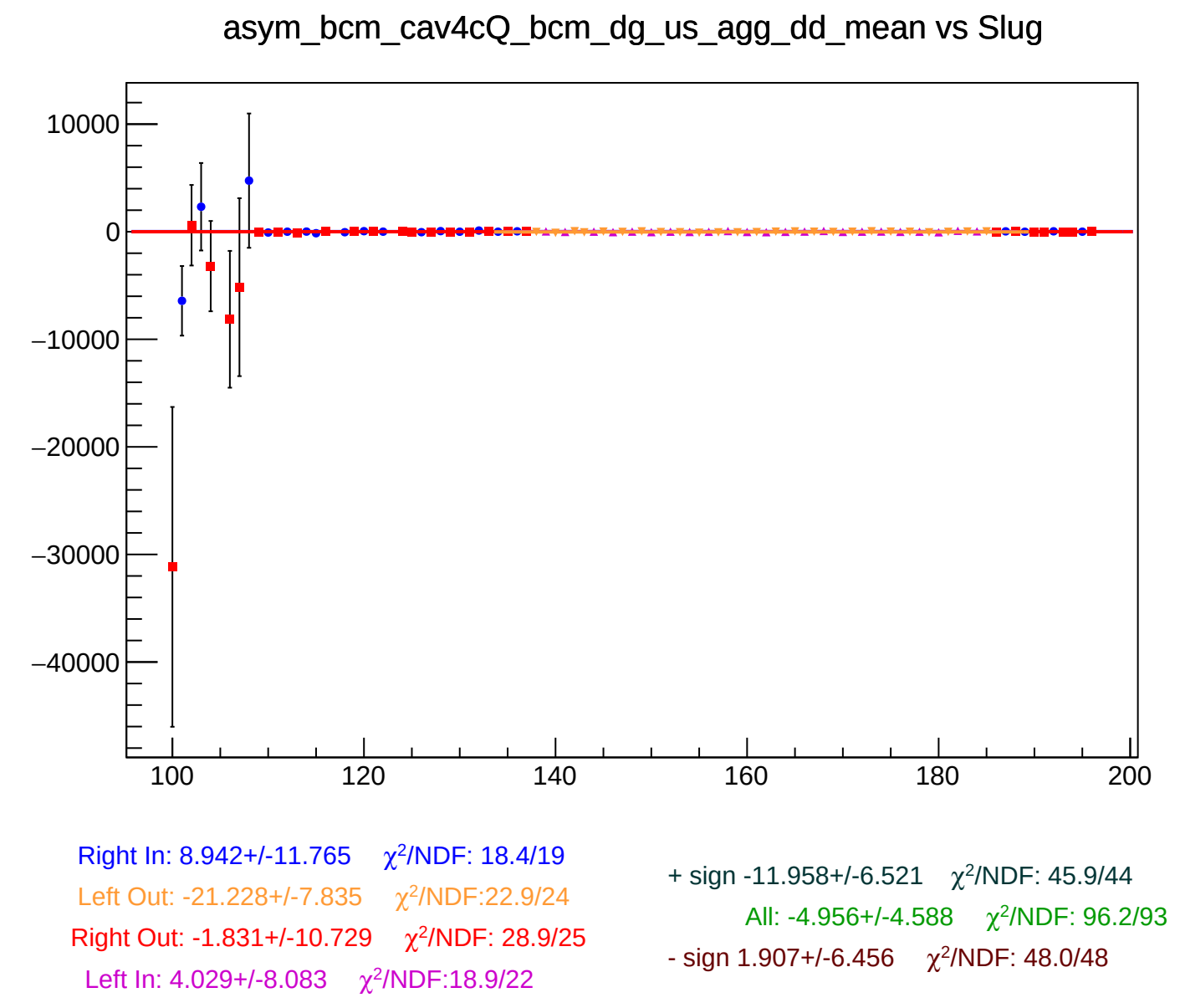
Right Out: 186.113+/-0.045 χ^2/NDF: 5303781.2/25

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

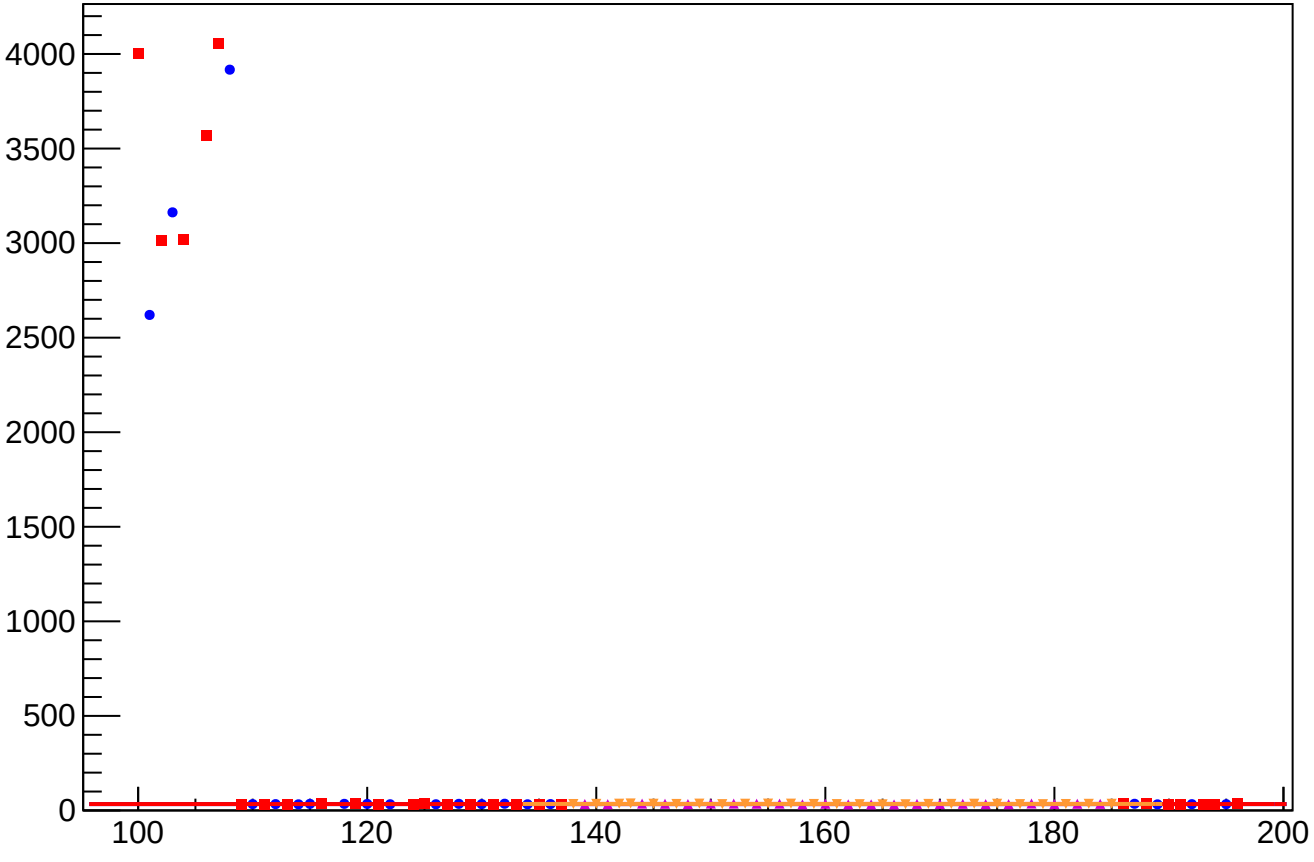
+ sign 198.200+/-0.028 χ^2/NDF: 6418634.3/44

All: 191.771+/-0.019 χ^2/NDF: 13235684.5/93

- sign 186.150+/-0.026 χ^2/NDF: 6717169.3/48


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 8.942+/-11.765 χ²/NDF: 18.4/19
Left Out: -21.228+/-7.835 χ²/NDF:22.9/24
Right Out: -1.831+/-10.729 χ²/NDF: 28.9/25
Left In: 4.029+/-8.083 χ²/NDF:18.9/22
+ sign -11.958+/-6.521 χ²/NDF: 45.9/44
All: -4.956+/-4.588 χ²/NDF: 96.2/93
- sign 1.907+/-6.456 χ²/NDF: 48.0/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.640+/-0.008 χ^2/NDF: 3248670.0/19

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

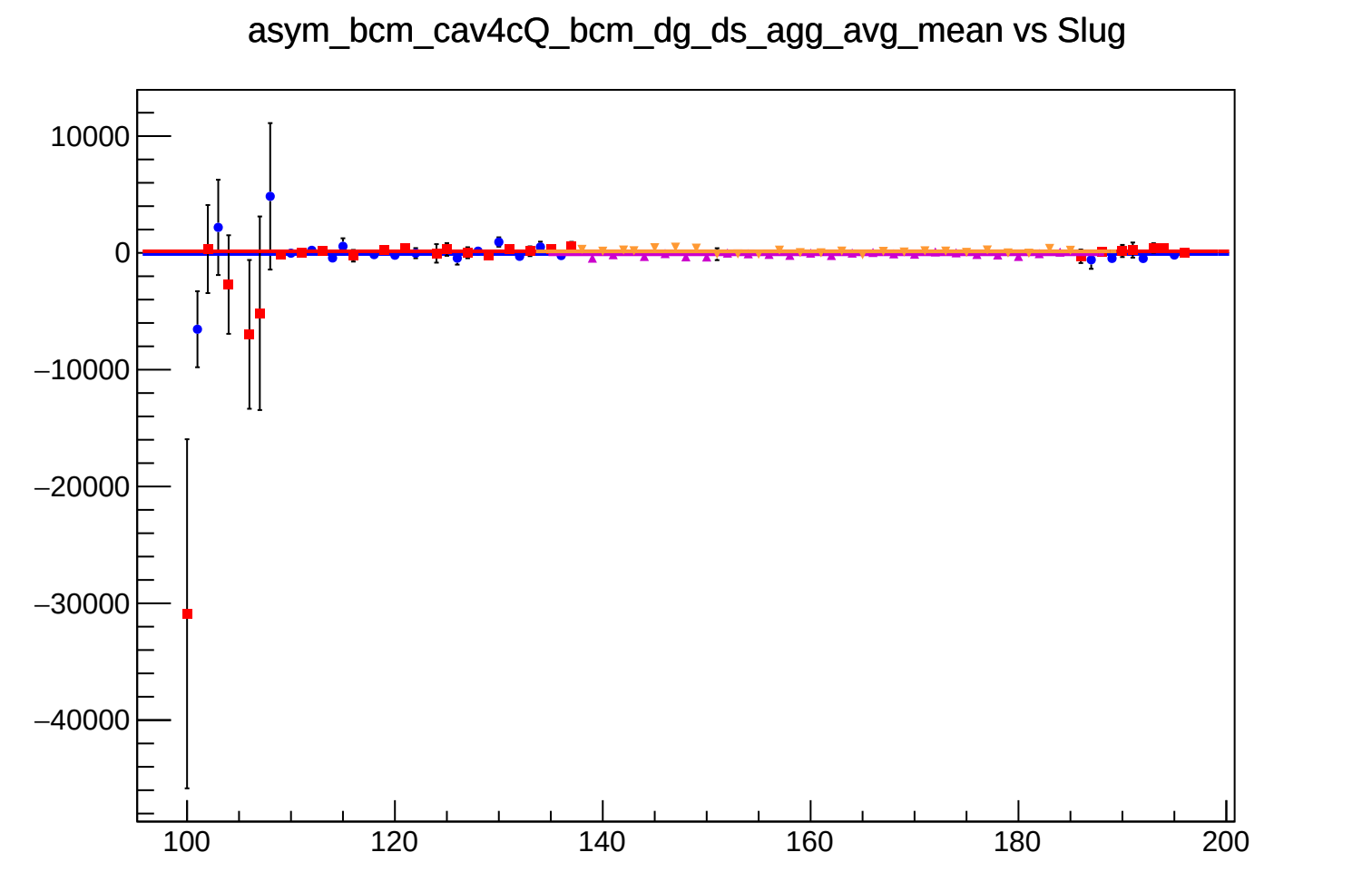
Right Out: 33.763+/-0.008 χ^2/NDF: 3537711.2/25

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.193+/-0.005 χ^2/NDF: 3299741.5/44

All: 34.230+/-0.003 χ^2/NDF: 6903763.8/93

- sign 34.266+/-0.005 χ^2/NDF: 3603895.7/48



Right In: -96.470+/-70.854 χ^2/NDF: 22.0/19

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

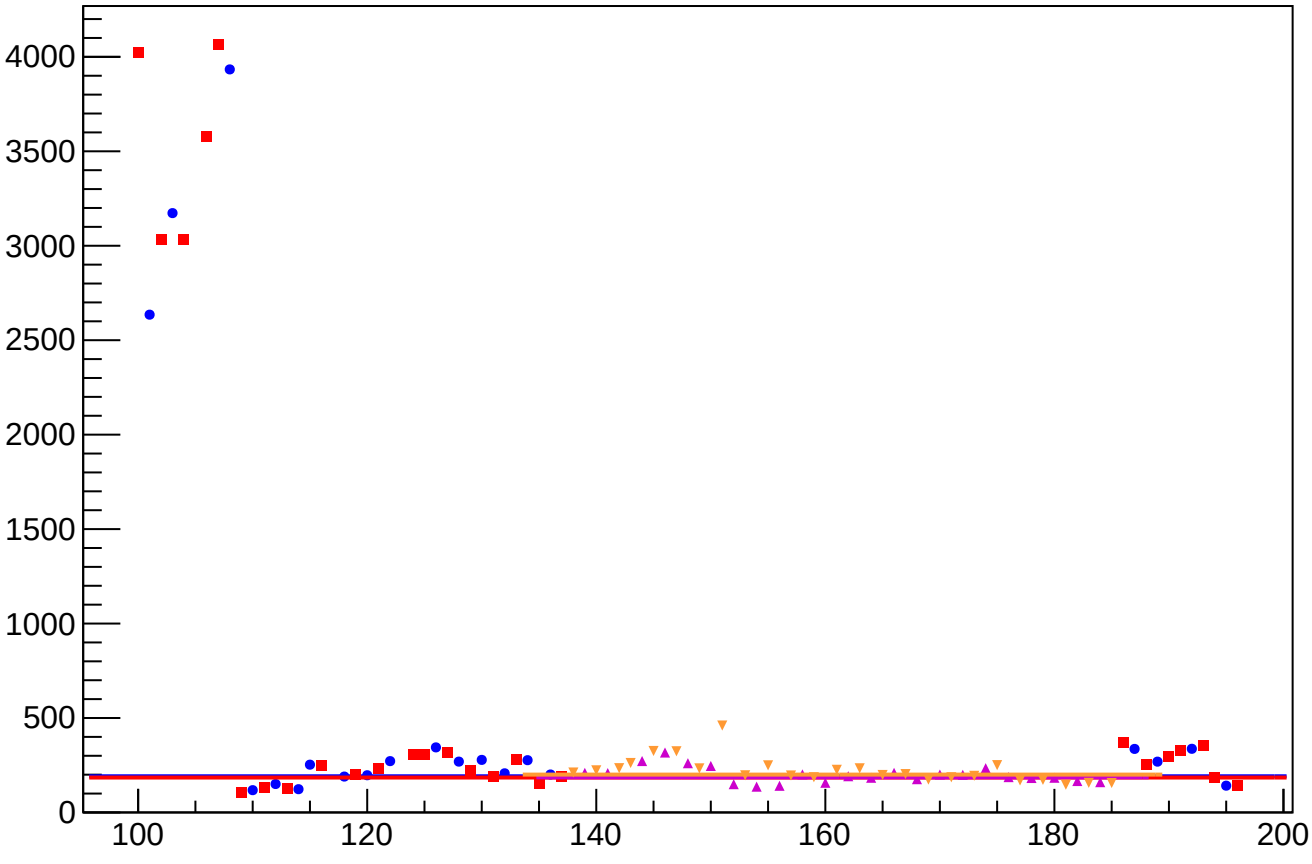
Right Out: 138.004+/-62.999 χ^2/NDF: 16.6/25

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 58.733+/-39.298 χ^2/NDF: 40.6/44

All: 9.135+/-26.832 χ^2/NDF: 79.5/93

- sign -34.181+/-36.725 χ^2/NDF: 35.9/48



Right In: 191.618+/-0.050 χ^2/NDF: 4555989.6/19

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

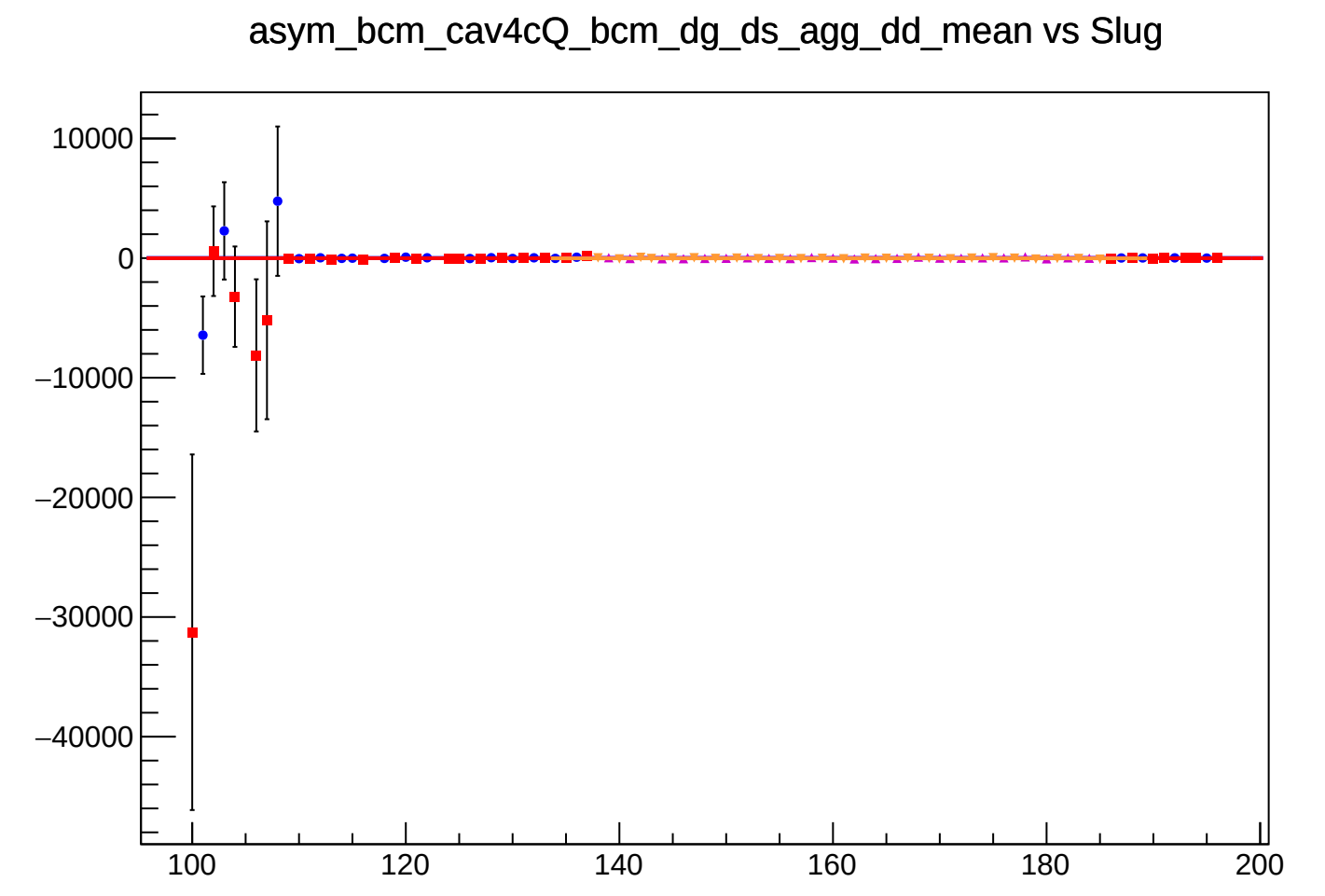
Right Out: 184.844+/-0.045 χ^2/NDF: 5364596.4/25

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.679+/-0.028 χ^2/NDF: 6453659.0/44

All: 191.190+/-0.019 χ^2/NDF: 13326301.4/93

- sign 185.522+/-0.026 χ^2/NDF: 6770472.7/48



Right In: 13.738+/-10.688 χ^2/NDF: 15.6/19

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -6.183+/-9.735 χ^2/NDF: 35.4/25

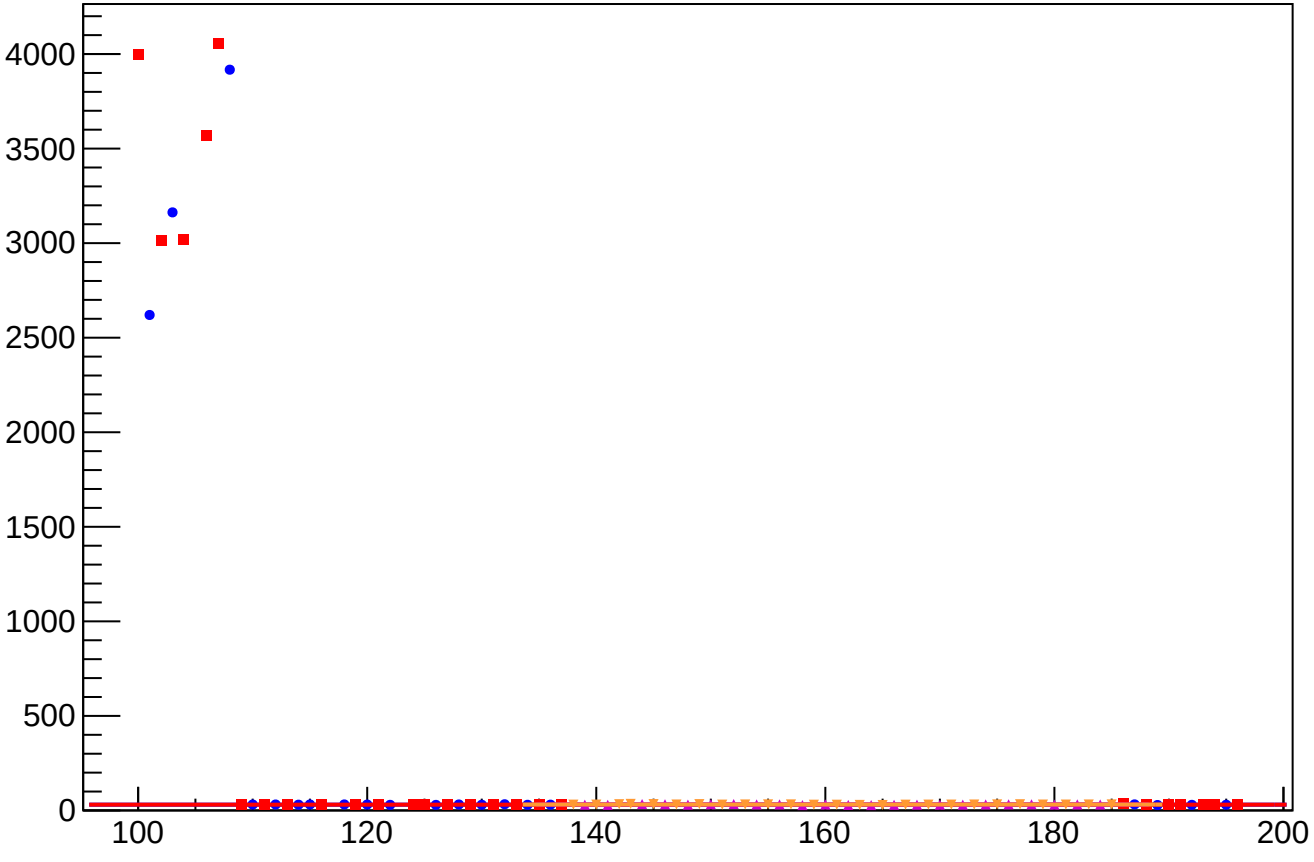
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.618+/-5.934 χ^2/NDF: 42.3/44

All: -4.520+/-4.171 χ^2/NDF: 114.8/93

\- sign -0.518+/-5.865 χ^2/NDF: 71.5/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.536+/-0.008 χ^2/NDF: 3261832.2/19

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.606+/-0.007 χ^2/NDF: 3553561.3/25

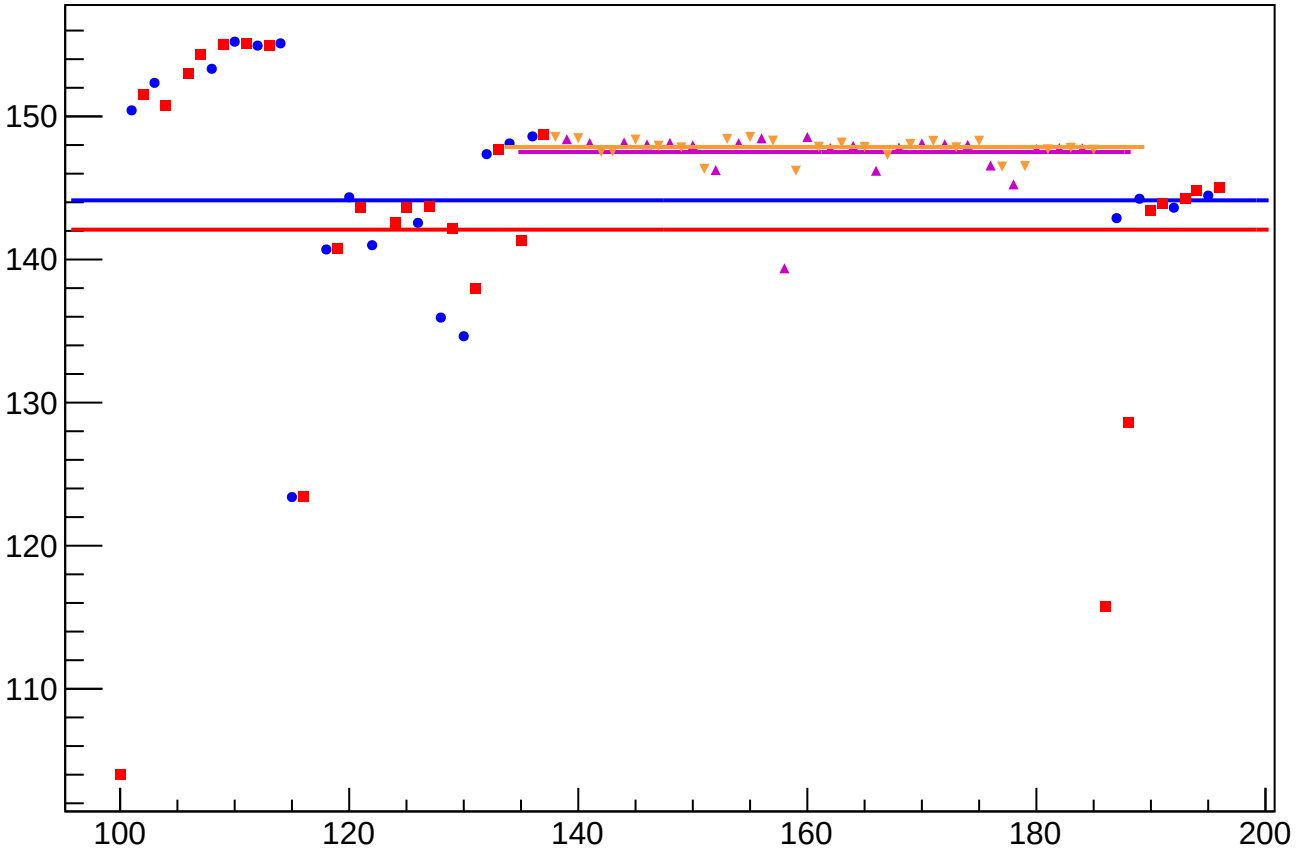
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.092+/-0.004 χ^2/NDF: 3332668.8/44

All: 31.095+/-0.003 χ^2/NDF: 6979510.1/93

- sign 31.099+/-0.004 χ^2/NDF: 3646840.1/48

yield_bcm_target_mean vs Slug



Right In: 144.135+/-0.000 χ^2/NDF: 3727783759.3/19

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.086+/-0.000 χ^2/NDF: 7476752113.6/25

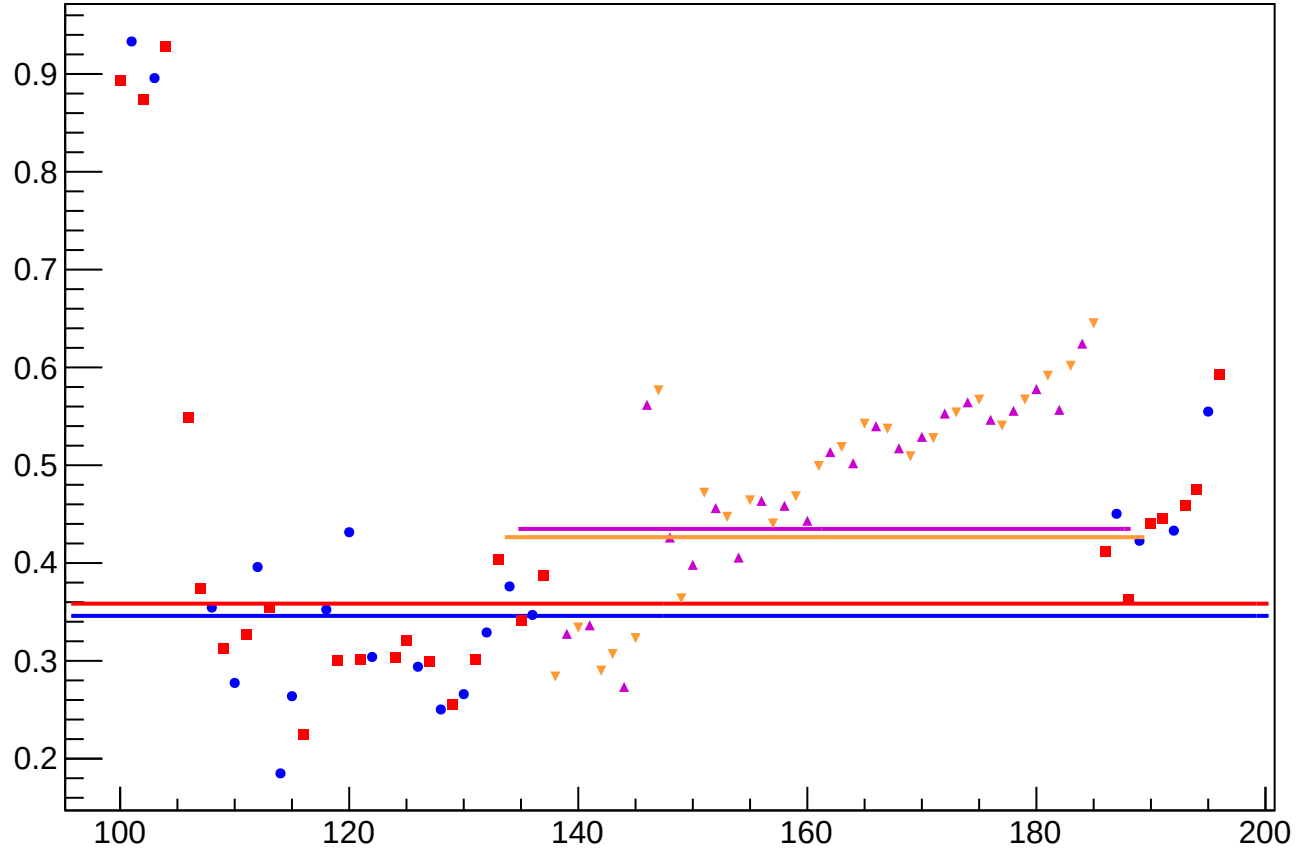
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.322+/-0.000 χ^2/NDF: 4330470773.8/44

All: 145.646+/-0.000 χ^2/NDF: 13489636094.

- sign 144.978+/-0.000 χ^2/NDF: 9008785493.6/48

yield_bcm_target_rms vs Slug



Right In: 0.346+/-0.000 χ^2/NDF: 1829409.2/19

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

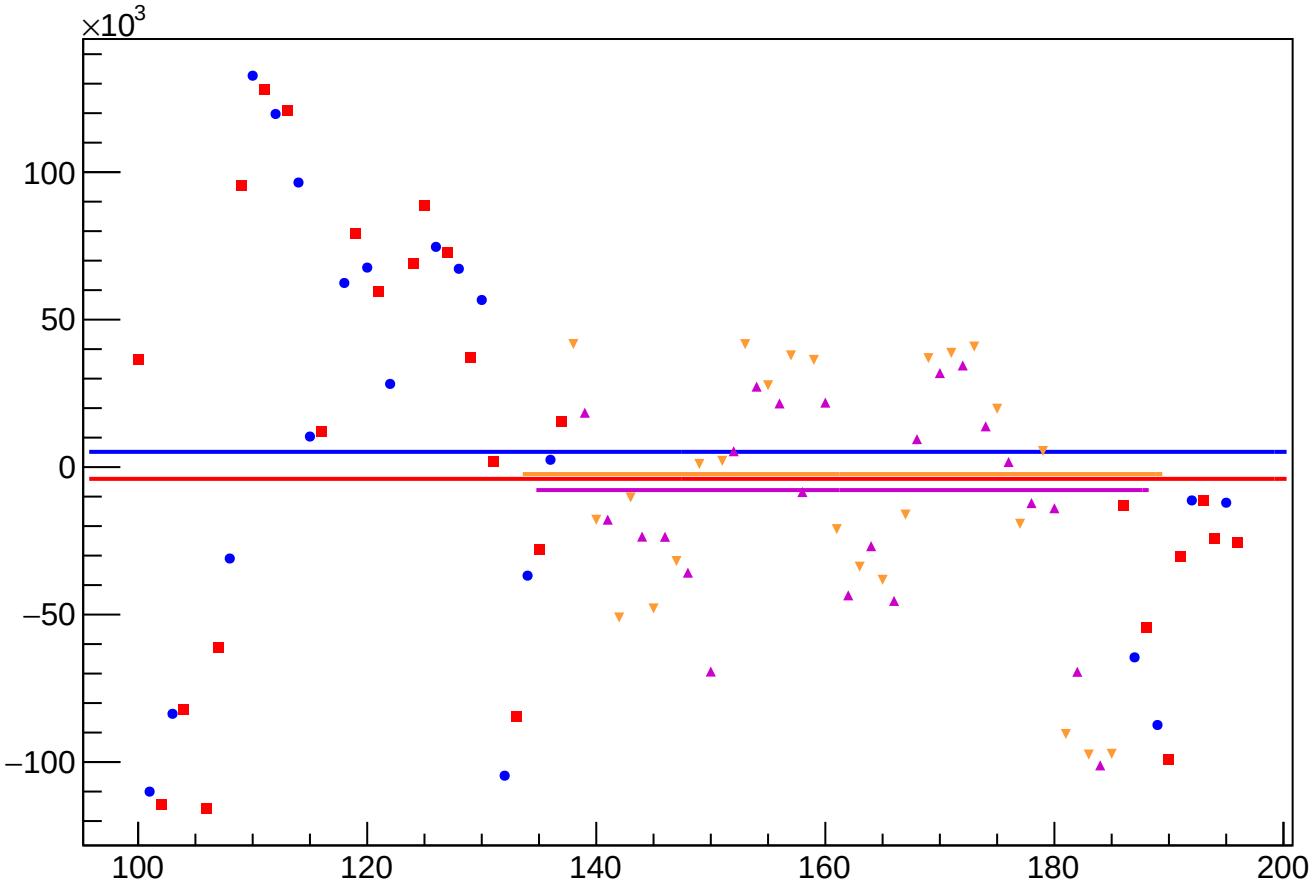
Right Out: 0.358+/-0.000 χ^2/NDF: 1862123.4/25

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.393+/-0.000 χ^2/NDF: 4607831.6/44

All: 0.396+/-0.000 χ^2/NDF: 8736901.1/93

- sign 0.399+/-0.000 χ^2/NDF: 4122988.4/48



Right In: 5172.093+/-1.726 χ^2/NDF: 1632849873.2/19

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -3982.734+/-1.525 χ^2/NDF: 2174643416.4/25

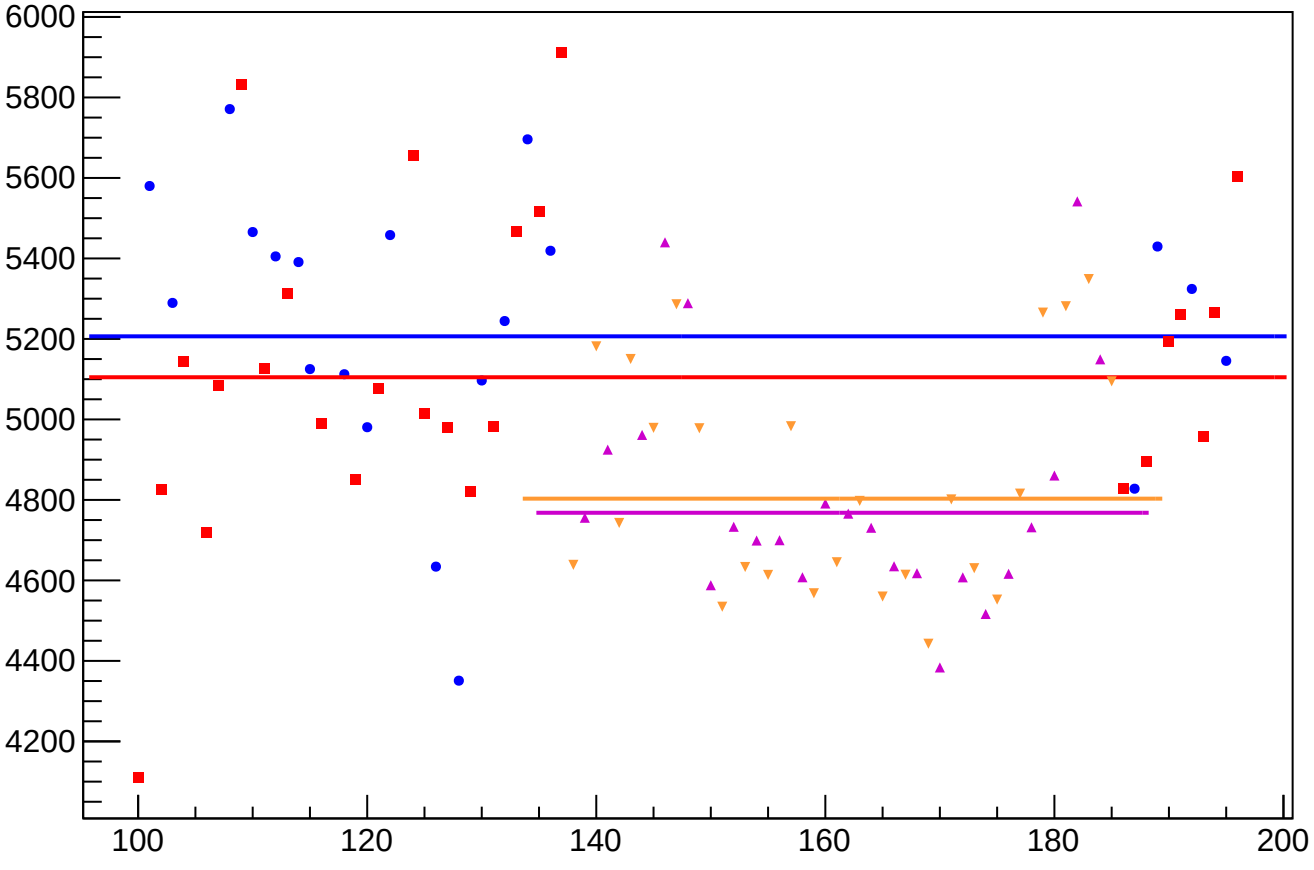
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -108.306+/-0.941 χ^2/NDF: 2876203960.0/44

All: -3350.980+/-0.656 χ^2/NDF: 5840406608

- sign -6416.666+/-0.915 χ^2/NDF: 2941122764.4/48

yield_bcm_an_diff_rms vs Slug



Right In: 5206.467+/-1.220 χ^2/NDF: 82061.8/19

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

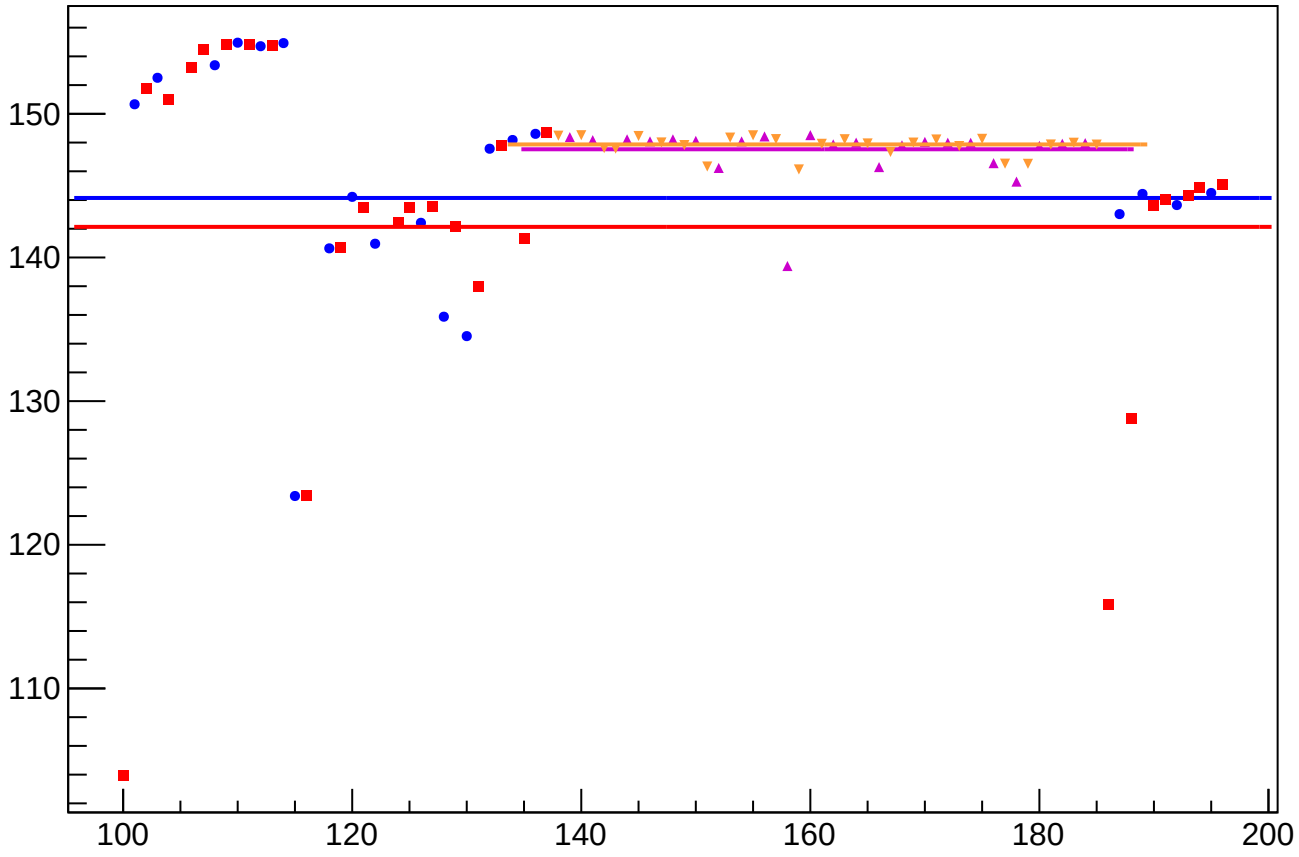
Right Out: 5104.794+/-1.078 χ^2/NDF: 80742.4/25

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4923.141+/-0.666 χ^2/NDF: 273466.6/44

All: 4905.796+/-0.464 χ^2/NDF: 520268.6/93

- sign 4889.397+/-0.647 χ^2/NDF: 245481.4/48



Right In: 144.143+/-0.000 χ^2/NDF: 3767707345.2/19

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.131+/-0.000 χ^2/NDF: 7449216433.4/25

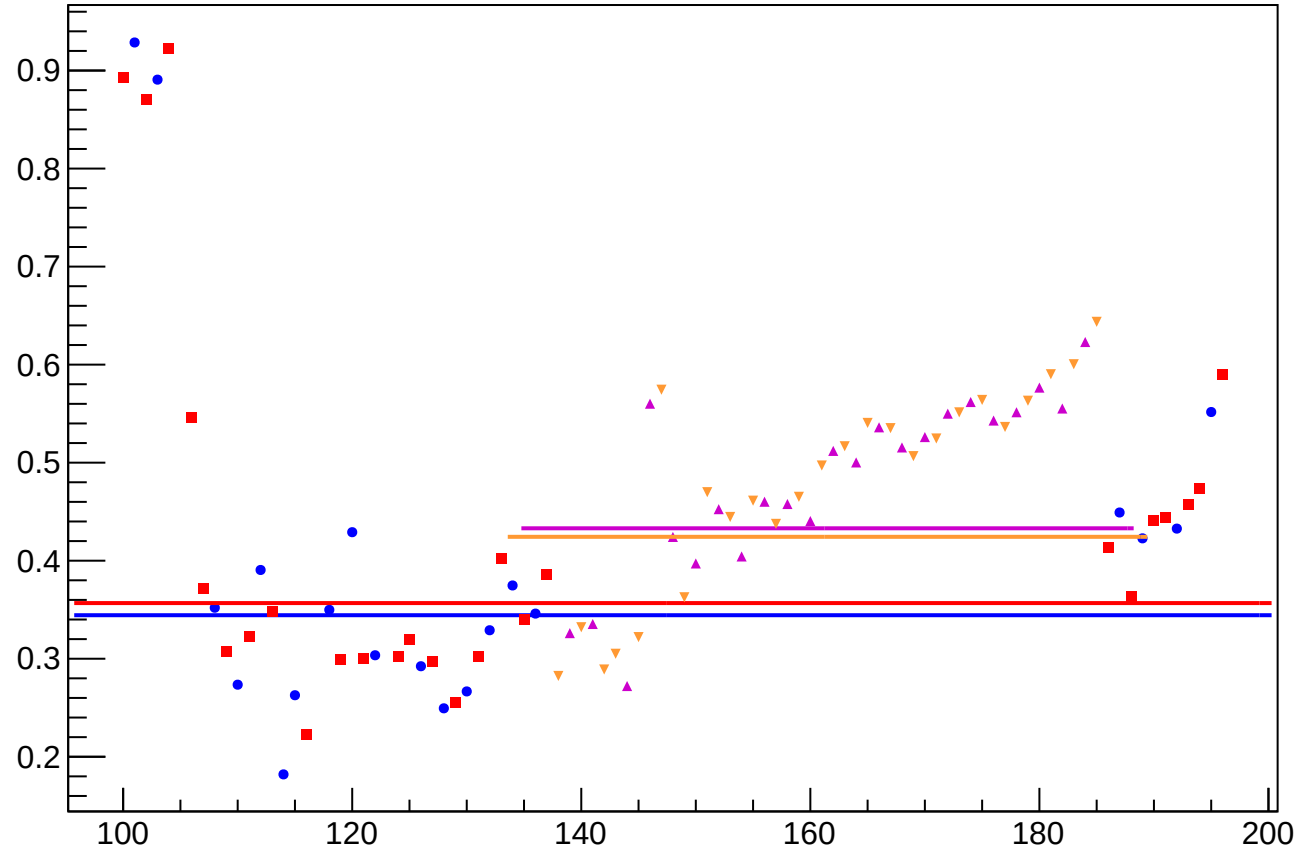
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.330+/-0.000 χ^2/NDF: 4374352968.5/44

All: 145.666+/-0.000 χ^2/NDF: 13502810320.

- sign 145.009+/-0.000 χ^2/NDF: 8981981060.9/48

yield_bcm_an_ds_rms vs Slug



Right In: 0.344+/-0.000 χ^2/NDF: 1833139.9/19

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

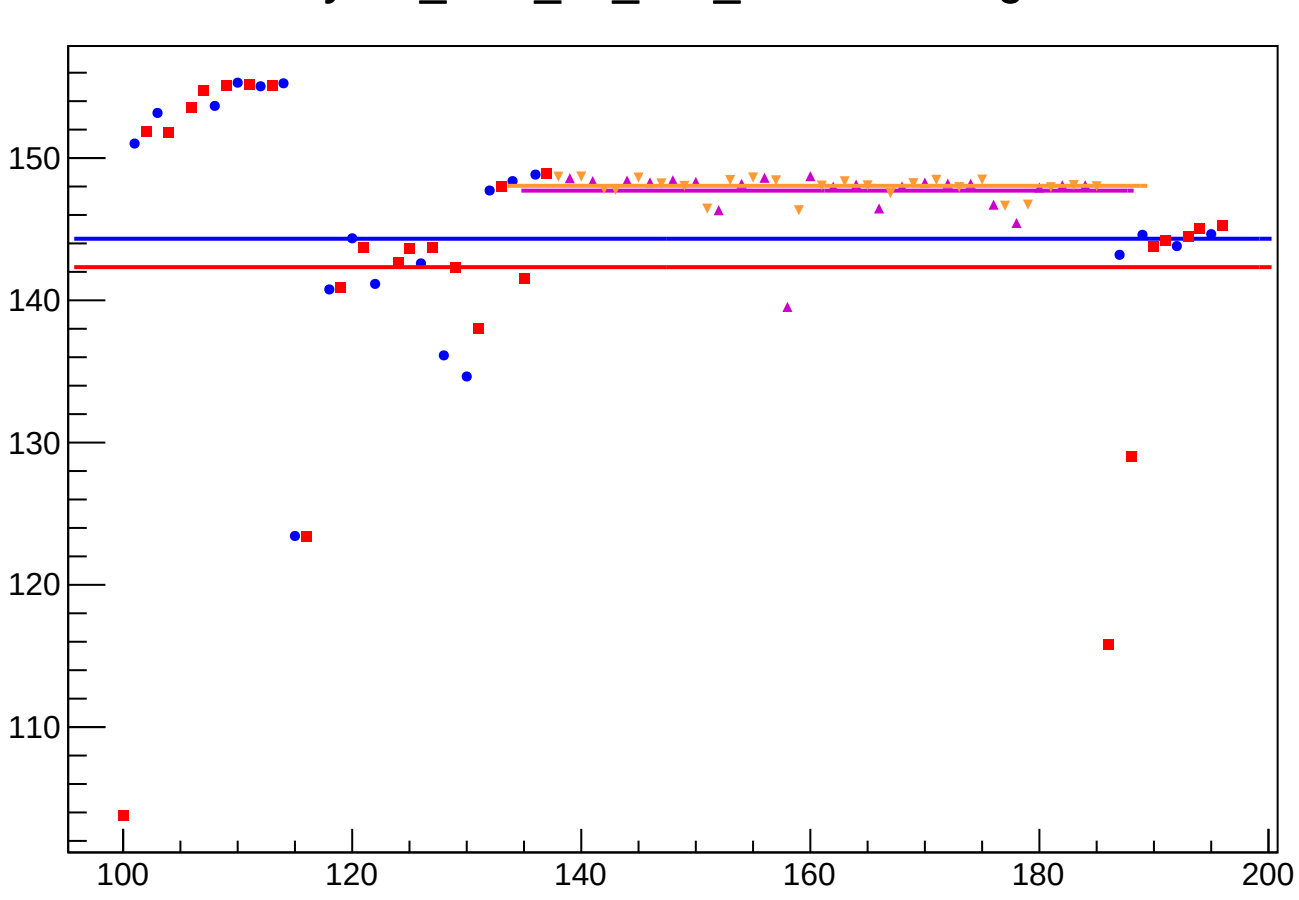
Right Out: 0.357+/-0.000 χ^2/NDF: 1869074.1/25

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.391+/-0.000 χ^2/NDF: 4611670.8/44

All: 0.394+/-0.000 χ^2/NDF: 8747061.0/93

- sign 0.397+/-0.000 χ^2/NDF: 4129129.6/48



Right In: 144.329+/-0.000 χ^2/NDF: 3761537874.7/19

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.332+/-0.000 χ^2/NDF: 7385027395.2/25

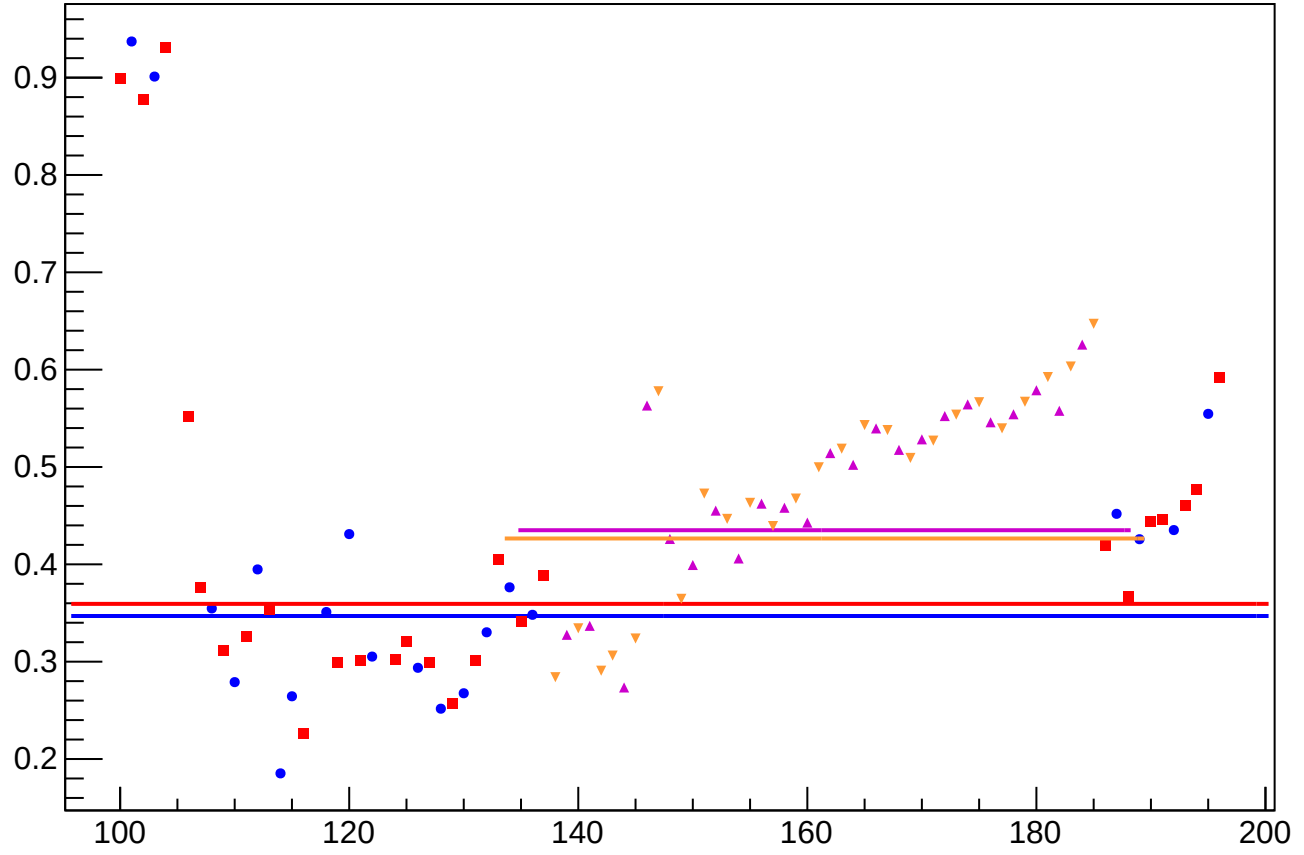
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.515+/-0.000 χ^2/NDF: 4359888101.4/44

All: 145.857+/-0.000 χ^2/NDF: 13400290939.

- sign 145.205+/-0.000 χ^2/NDF: 8897935316.7/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.347+/-0.000 χ^2/NDF: 1826073.8/19

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.359+/-0.000 χ^2/NDF: 1869260.6/25

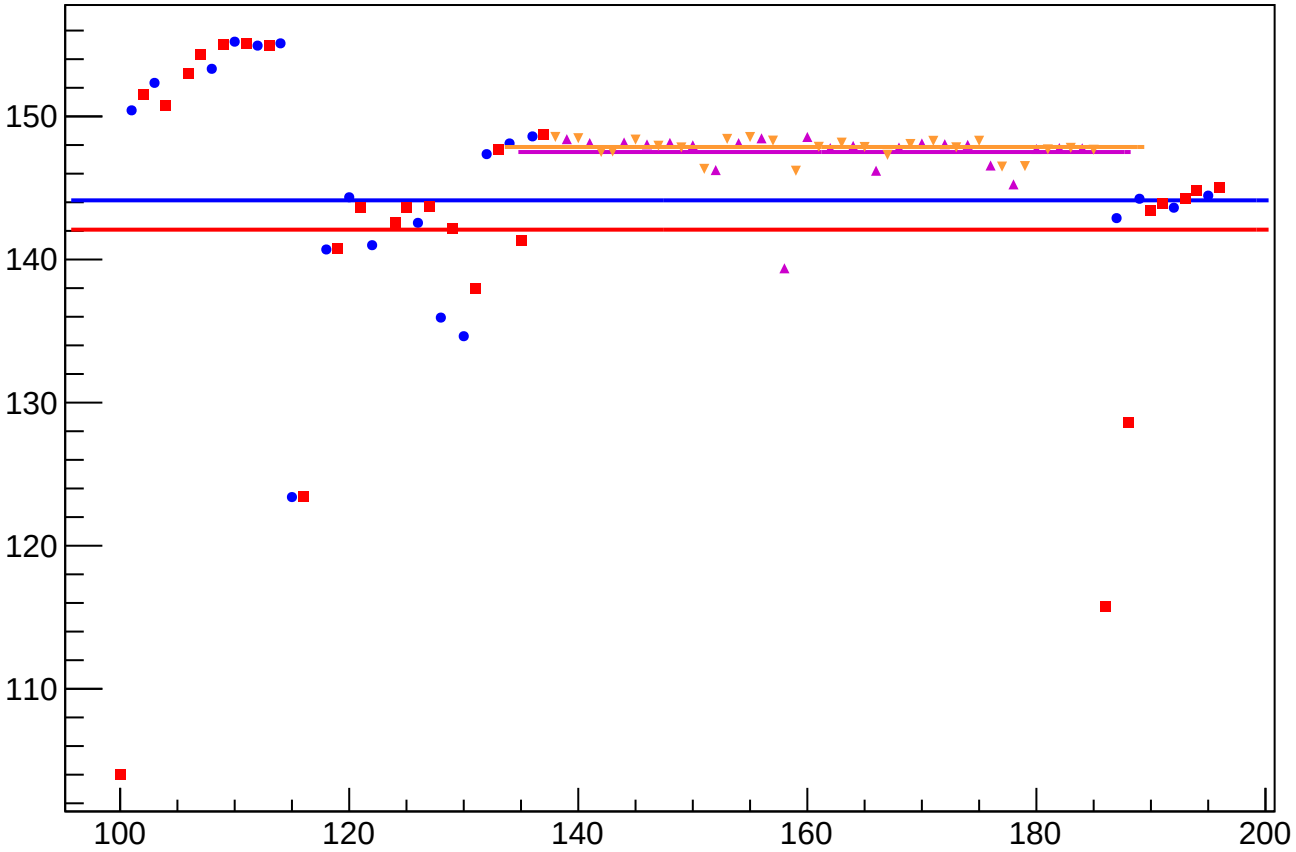
Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.394+/-0.000 χ^2/NDF: 4590649.4/44

All: 0.397+/-0.000 χ^2/NDF: 8711256.6/93

- sign 0.400+/-0.000 χ^2/NDF: 4114469.5/48

yield_bcm_an_us_mean vs Slug



Right In: 144.135+/-0.000 χ^2/NDF: 3727783759.3/19

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.086+/-0.000 χ^2/NDF: 7476752113.6/25

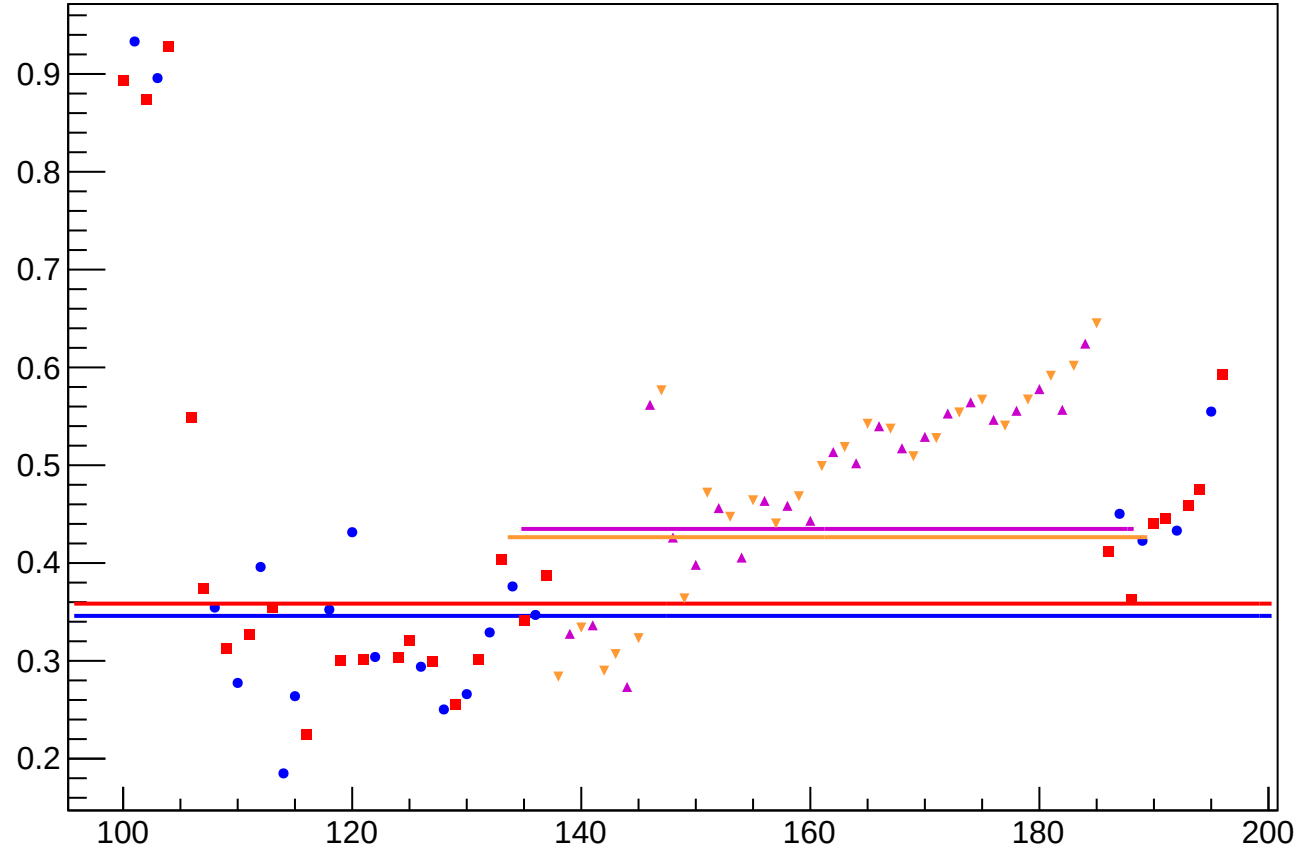
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.322+/-0.000 χ^2/NDF: 4330470773.8/44

All: 145.646+/-0.000 χ^2/NDF: 13489636094.

- sign 144.978+/-0.000 χ^2/NDF: 9008785493.6/48

yield_bcm_an_us_rms vs Slug



Right In: 0.346+/-0.000 χ^2/NDF: 1829409.2/19

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

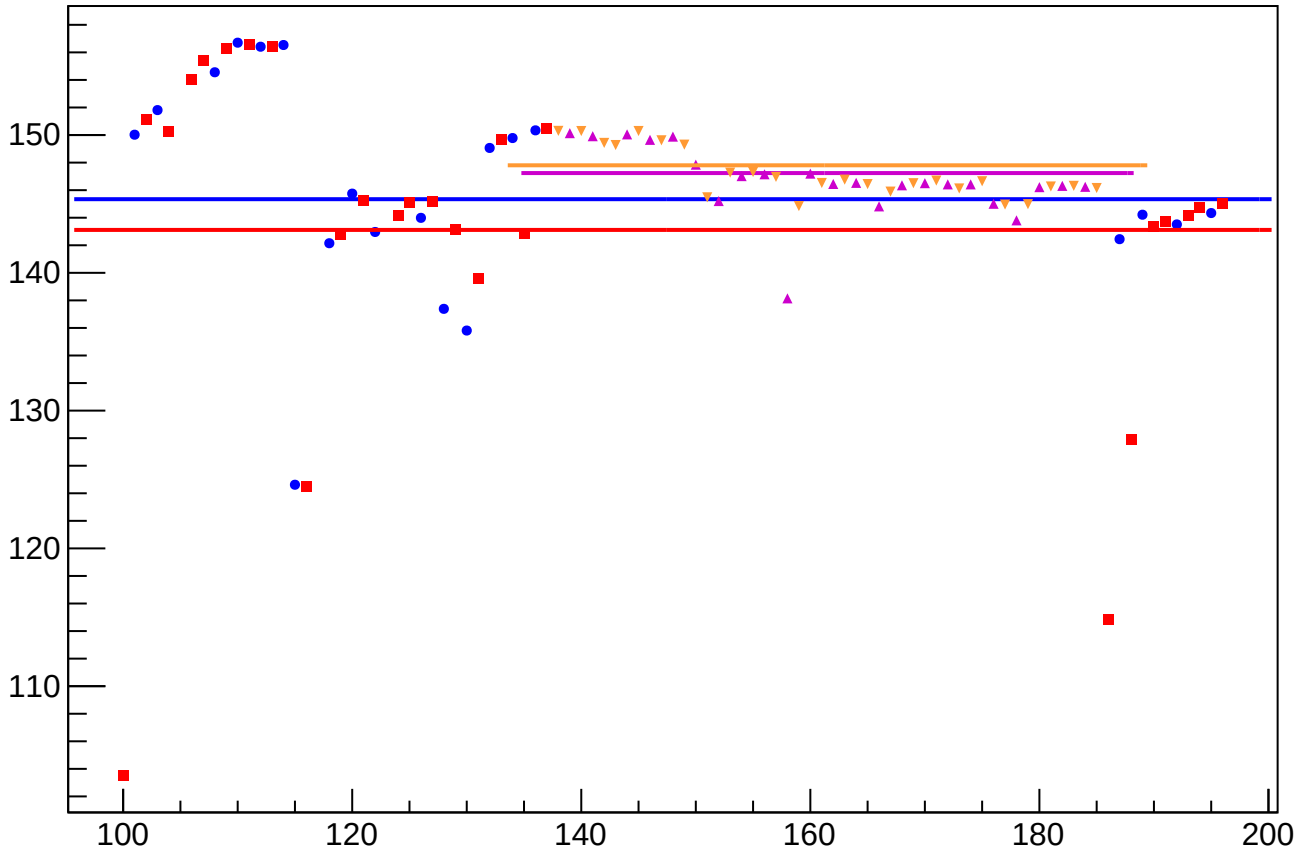
Right Out: 0.358+/-0.000 χ^2/NDF: 1862123.4/25

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.393+/-0.000 χ^2/NDF: 4607831.6/44

All: 0.396+/-0.000 χ^2/NDF: 8736901.1/93

- sign 0.399+/-0.000 χ^2/NDF: 4122988.4/48



Right In: 145.345+/-0.000 χ^2/NDF: 3514802507.9/19

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.114+/-0.000 χ^2/NDF: 7589802245.6/25

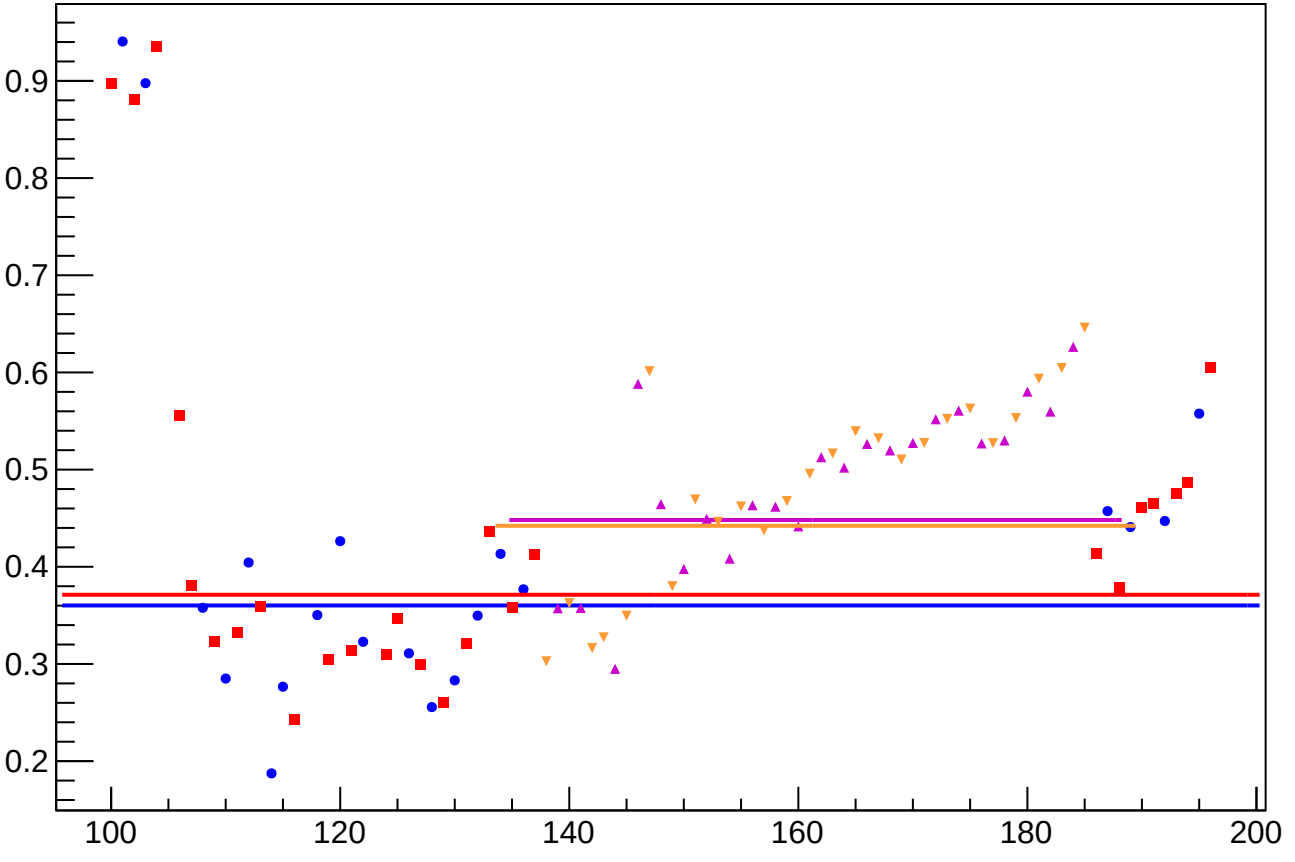
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.800+/-0.000 χ^2/NDF: 4067744867.6/44

All: 146.061+/-0.000 χ^2/NDF: 13111245892.

- sign 145.337+/-0.000 χ^2/NDF: 8876402452.8/48

yield_bcm_dg_us_rms vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 1763307.8/19

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.371+/-0.000 χ^2/NDF: 1813165.6/25

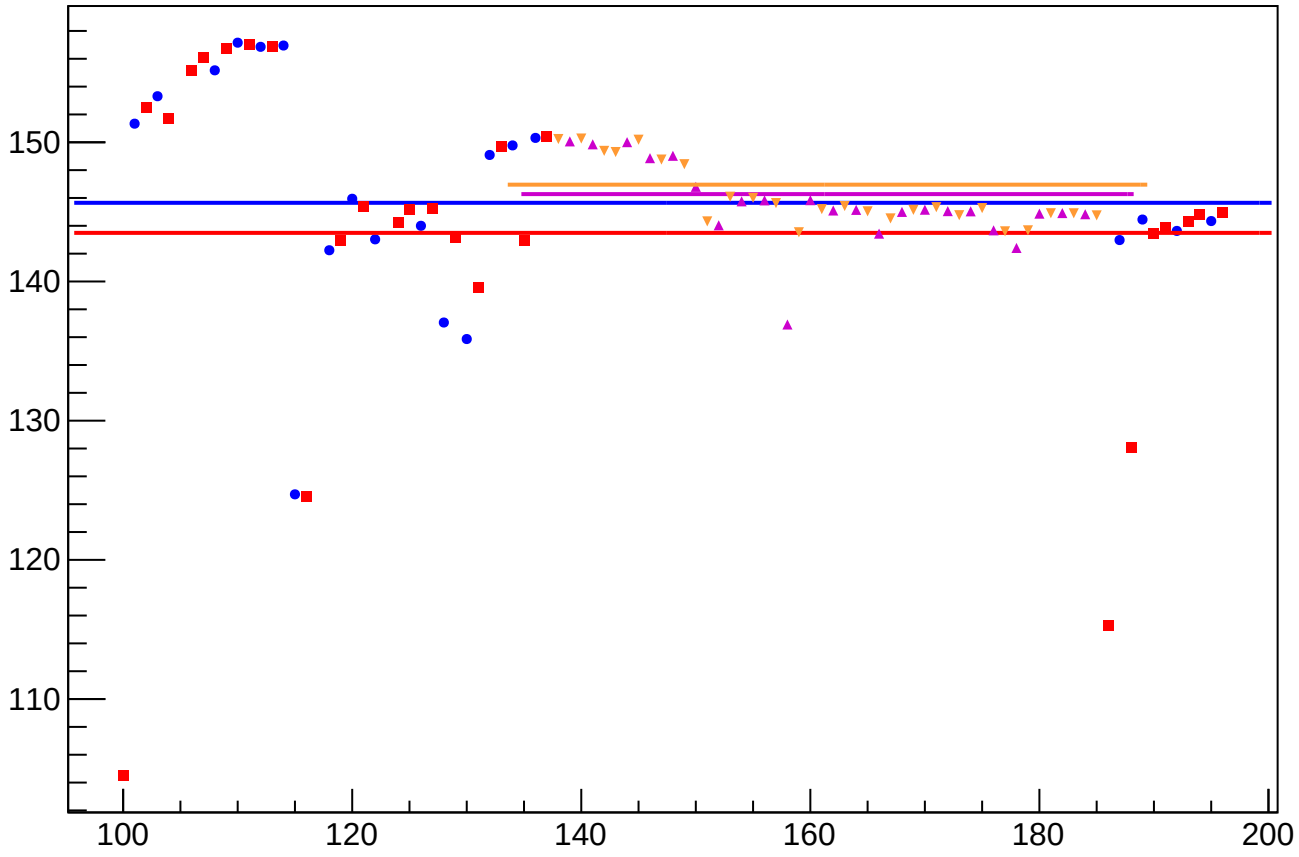
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.409+/-0.000 χ^2/NDF: 3969396.6/44

All: 0.411+/-0.000 χ^2/NDF: 7597084.4/93

- sign 0.413+/-0.000 χ^2/NDF: 3625246.0/48

yield_bcm_dg_ds_mean vs Slug



Right In: 145.652+/-0.000 χ^2/NDF: 3659388575.7/19

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.492+/-0.000 χ^2/NDF: 7663980502.4/25

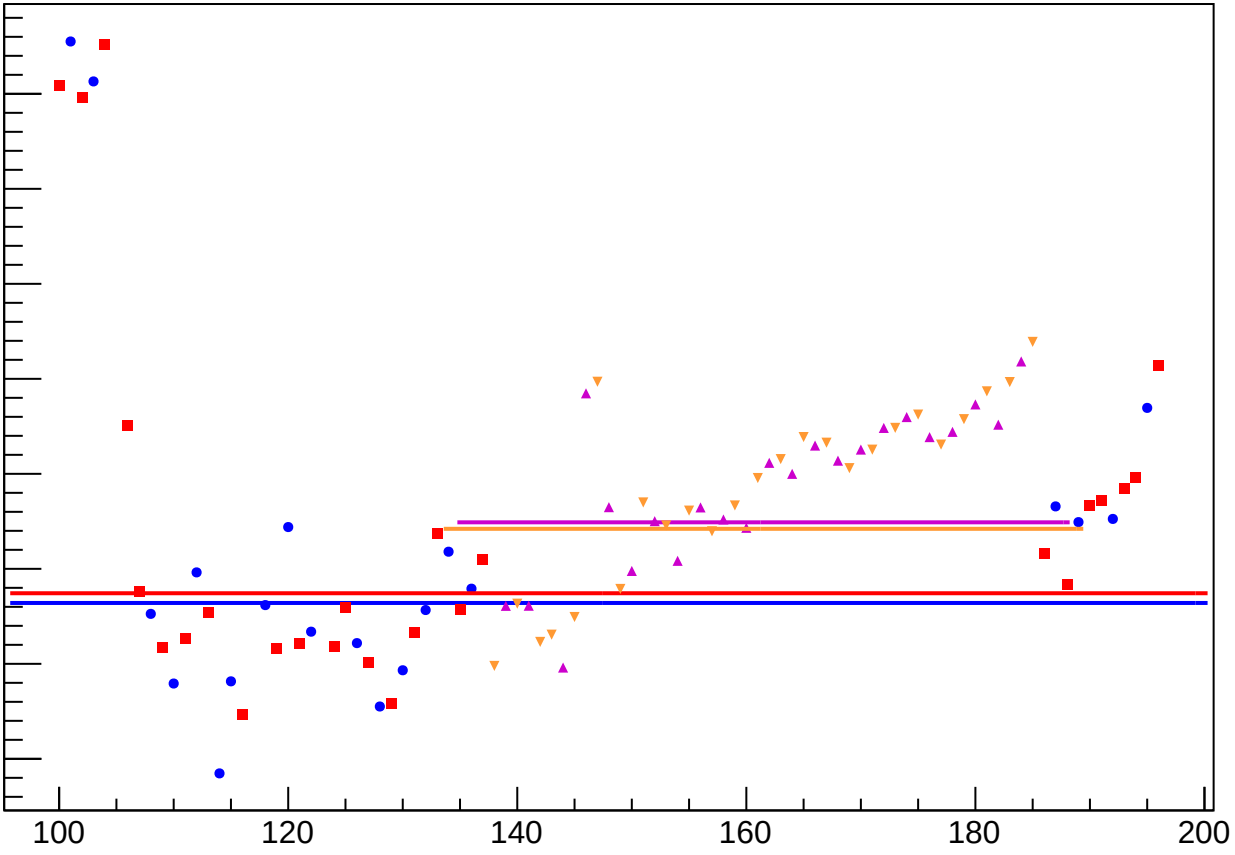
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.431+/-0.000 χ^2/NDF: 4264711759.4/44

All: 145.711+/-0.000 χ^2/NDF: 13211860735.

- sign 145.004+/-0.000 χ^2/NDF: 8789802818.9/48

yield_bcm_dg_ds_rms vs Slug



Right In: 0.364+/-0.000 χ^2/NDF: 1798128.2/19

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.374+/-0.000 χ^2/NDF: 1828739.2/25

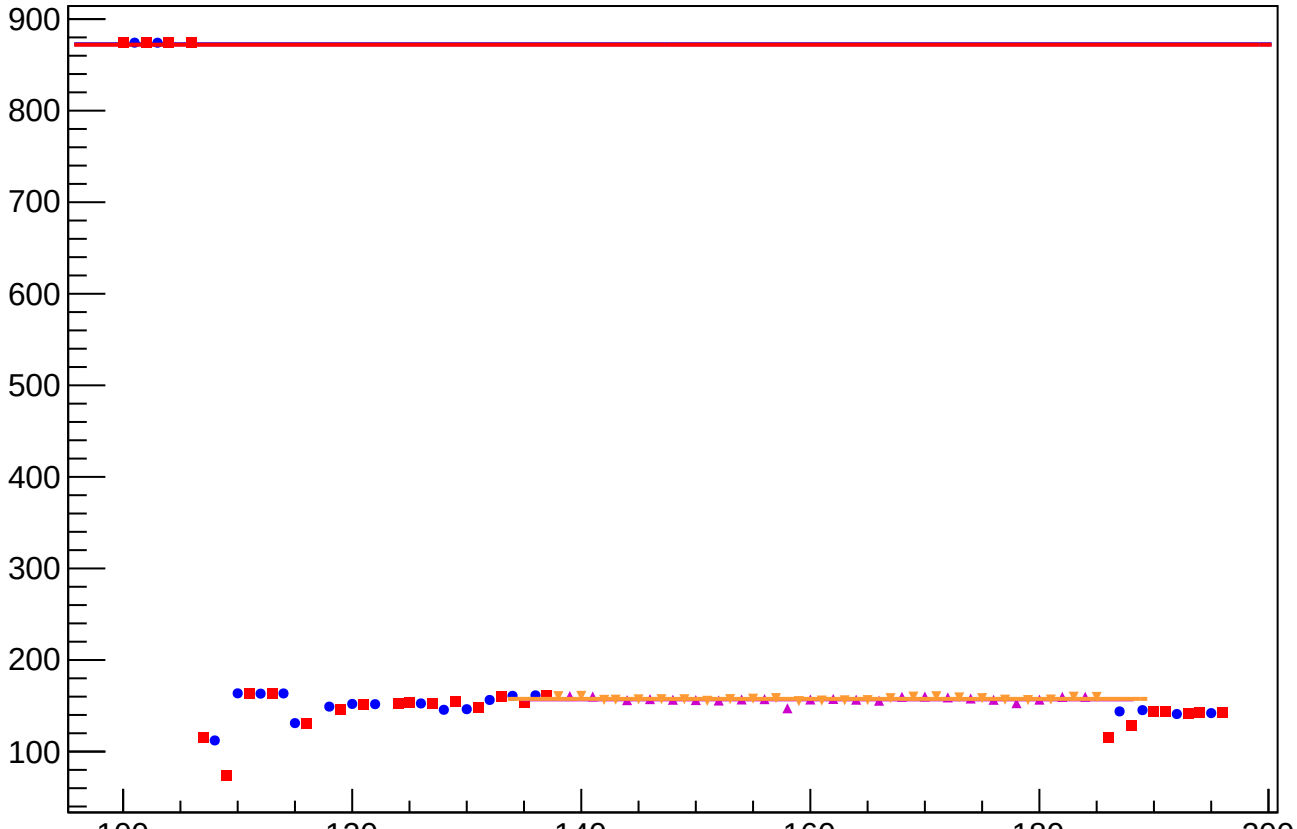
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.411+/-0.000 χ^2/NDF: 3922835.4/44

All: 0.413+/-0.000 χ^2/NDF: 7486731.7/93

- sign 0.415+/-0.000 χ^2/NDF: 3561296.3/48

yield_cav4bQ_mean vs Slug



Right In: 872.504+/-0.000 χ^2/NDF: 8847187904212.8/19

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.030+/-0.000 χ^2/NDF: 13074132335596.2/25

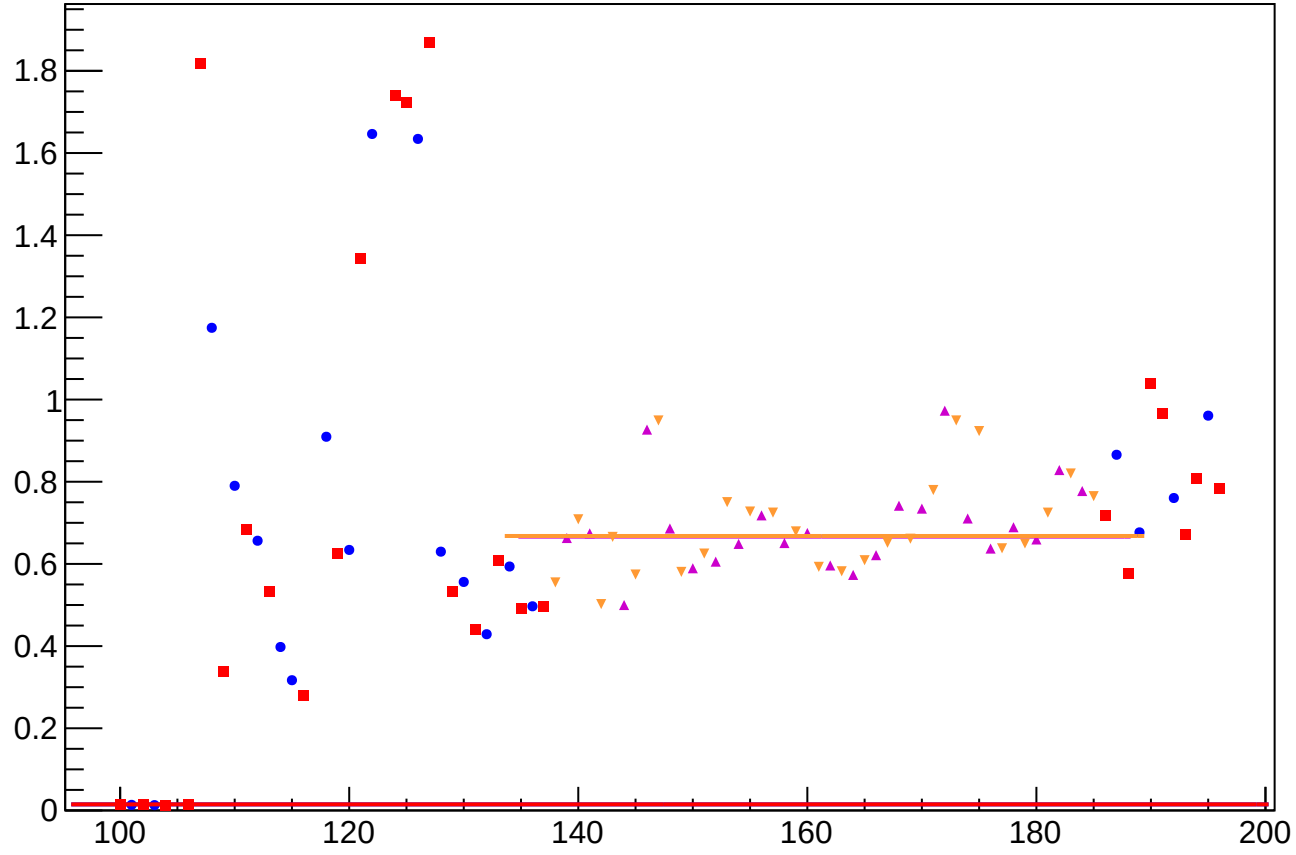
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.121+/-0.000 χ^2/NDF: 26082996768081.

All: 869.175+/-0.000 χ^2/NDF: 556612732537

- sign 869.221+/-0.000 χ^2/NDF: 29578238440588.1

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 13474792.7/19

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 16382044.0/25

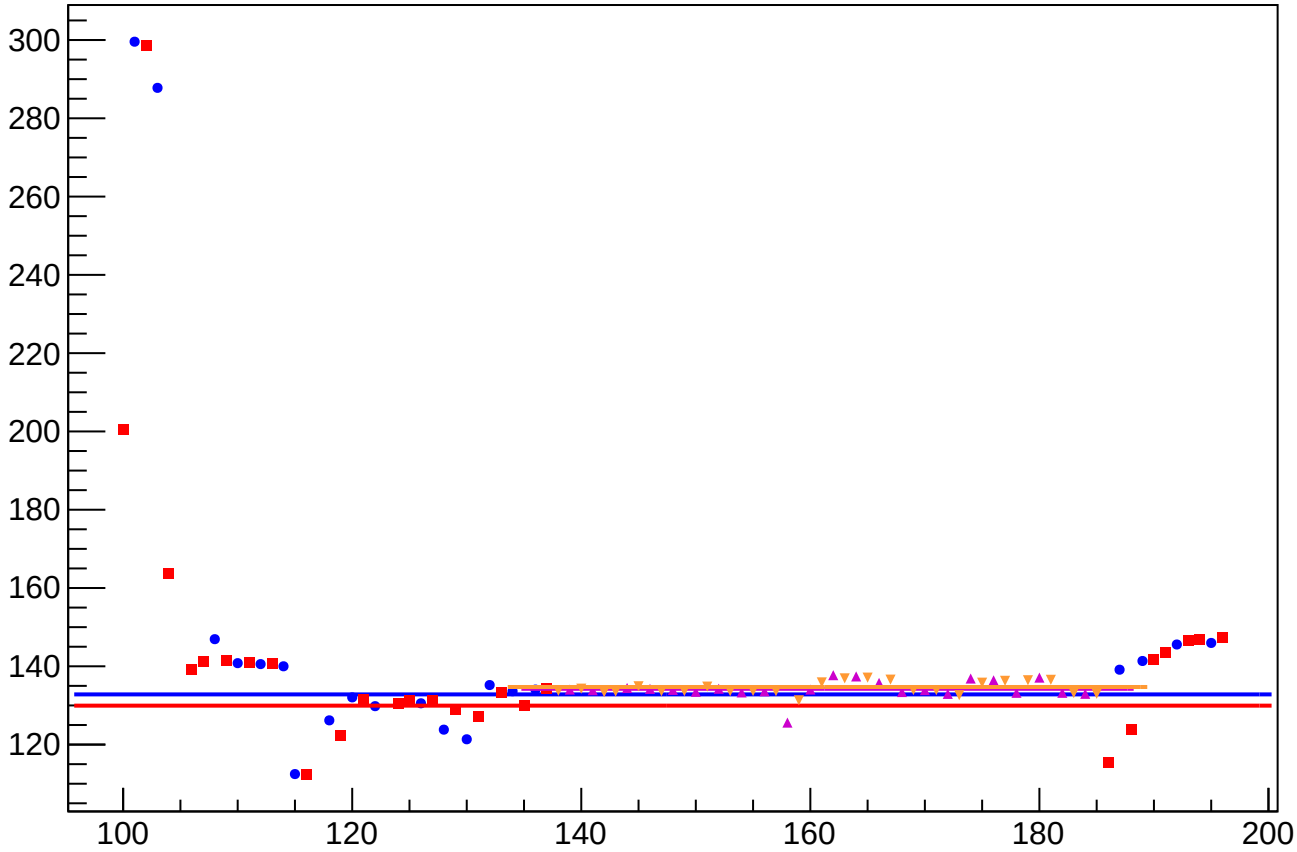
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 42936181.5/44

All: 0.018+/-0.000 χ^2/NDF: 87269671.8/93

- sign 0.017+/-0.000 χ^2/NDF: 44332199.9/48

yield_cav4cQ_mean vs Slug



Right In: 132.821+/-0.000 χ^2/NDF: 2528189159.4/19

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 129.947+/-0.000 χ^2/NDF: 3869703495.8/25

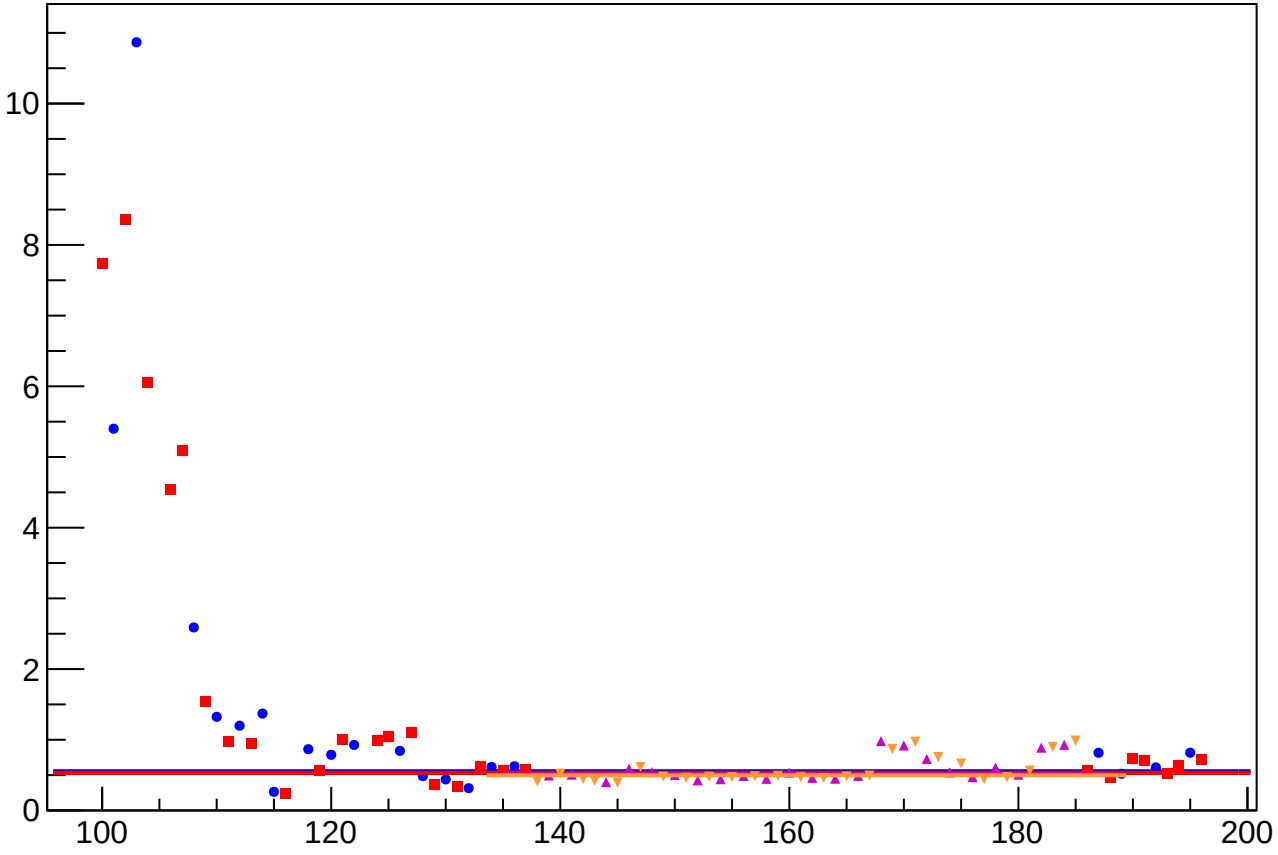
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.308+/-0.000 χ^2/NDF: 2739443349.0/44

All: 133.644+/-0.000 χ^2/NDF: 7455147458.2

- sign 132.983+/-0.000 χ^2/NDF: 4640711262.7/48

yield_cav4cQ_rms vs Slug



Right In: 0.555+/-0.000 χ^2/NDF: 4368892.0/19

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

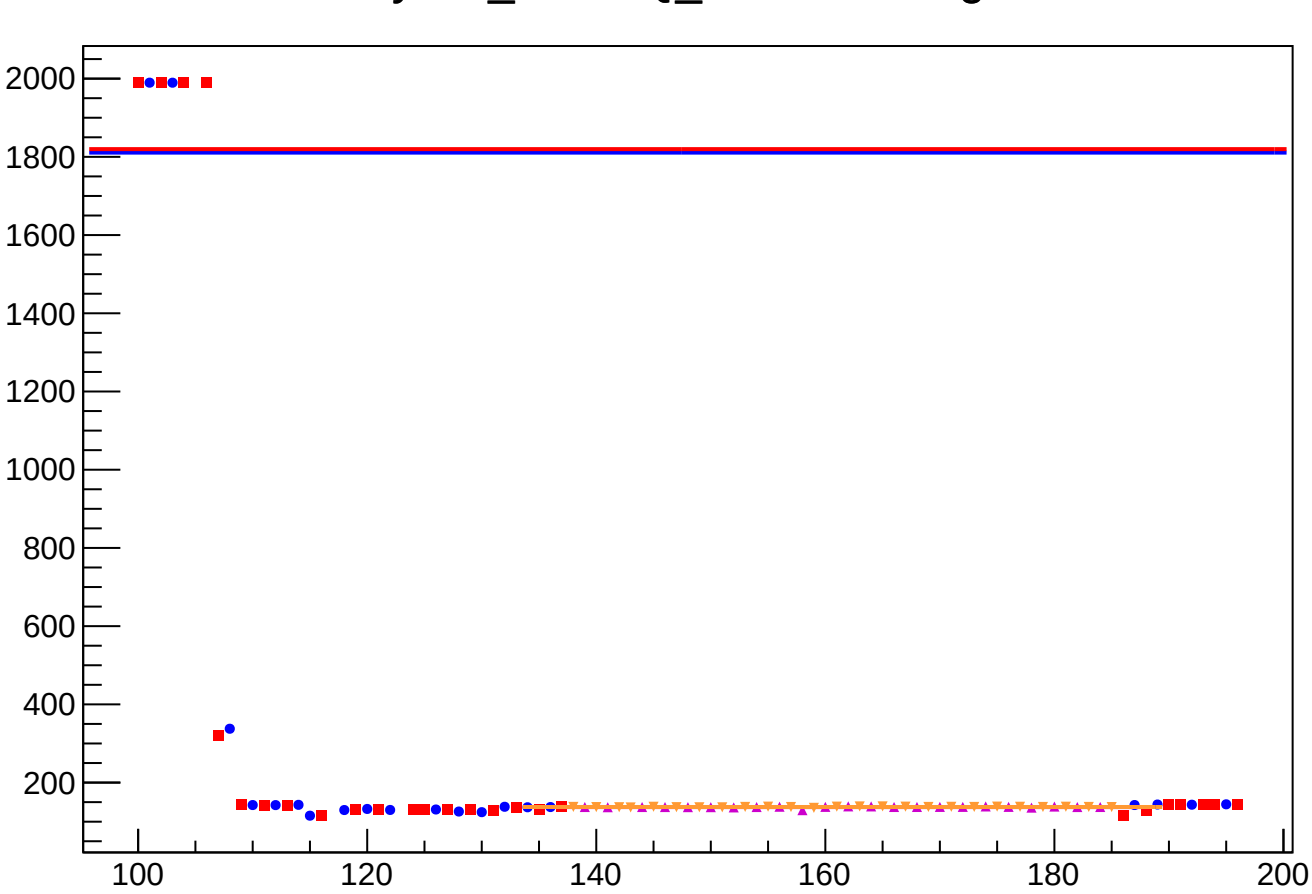
Right Out: 0.529+/-0.000 χ^2/NDF: 5128555.6/25

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.509+/-0.000 χ^2/NDF: 6038533.6/44

All: 0.512+/-0.000 χ^2/NDF: 12668808.7/93

- sign 0.515+/-0.000 χ^2/NDF: 6627314.1/48



Right In: 1810.849+/-0.000 χ^2/NDF: 173903440819011.2/19

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1819.771+/-0.000 χ^2/NDF: 1959671012701325/25

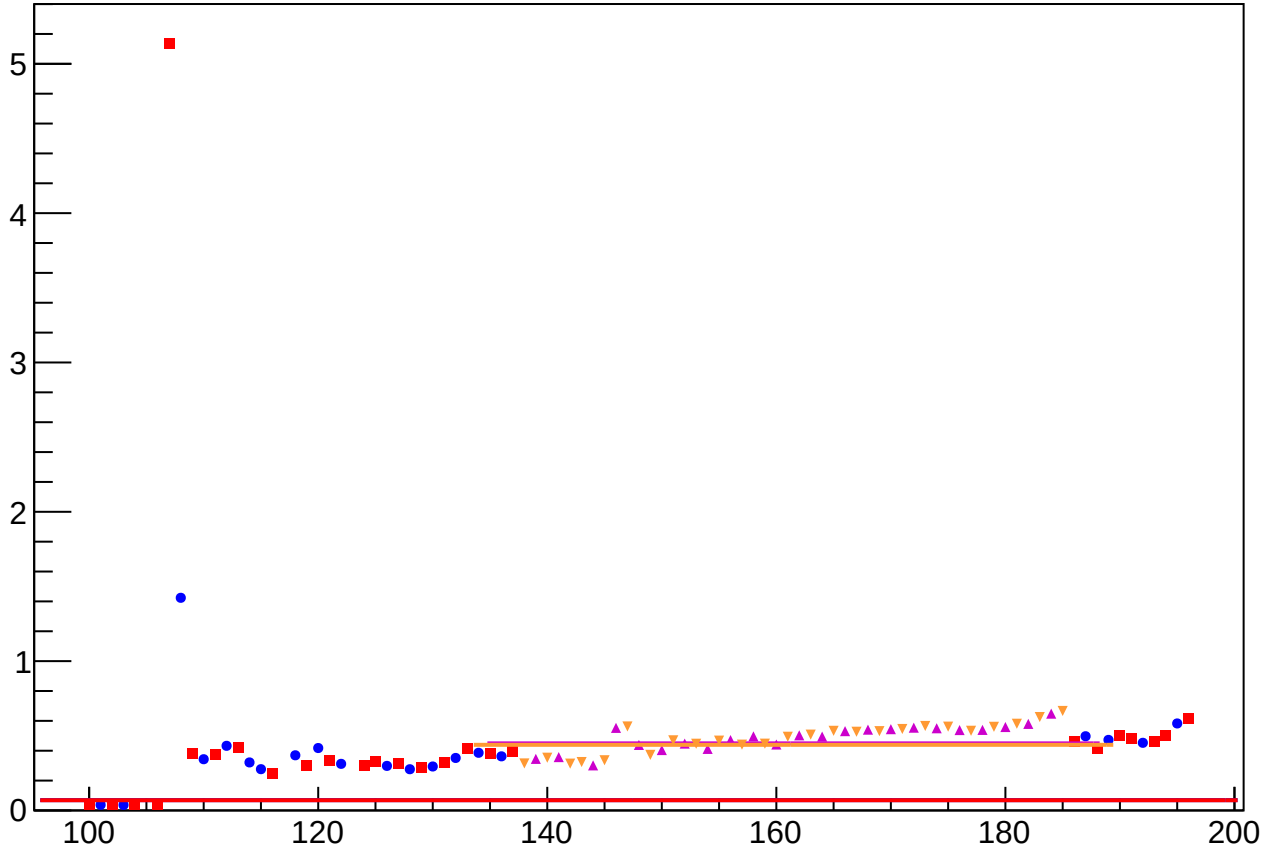
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1580.032+/-0.000 χ^2/NDF: 3979670052346

All: 1608.860+/-0.000 χ^2/NDF: 8087568132

- sign 1634.088+/-0.000 χ^2/NDF: 40971127226287

yield_cav4dQ_rms vs Slug



Right In: 0.069+/-0.000 χ^2/NDF: 11865138.0/19

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.068+/-0.000 χ^2/NDF: 14119331.9/25

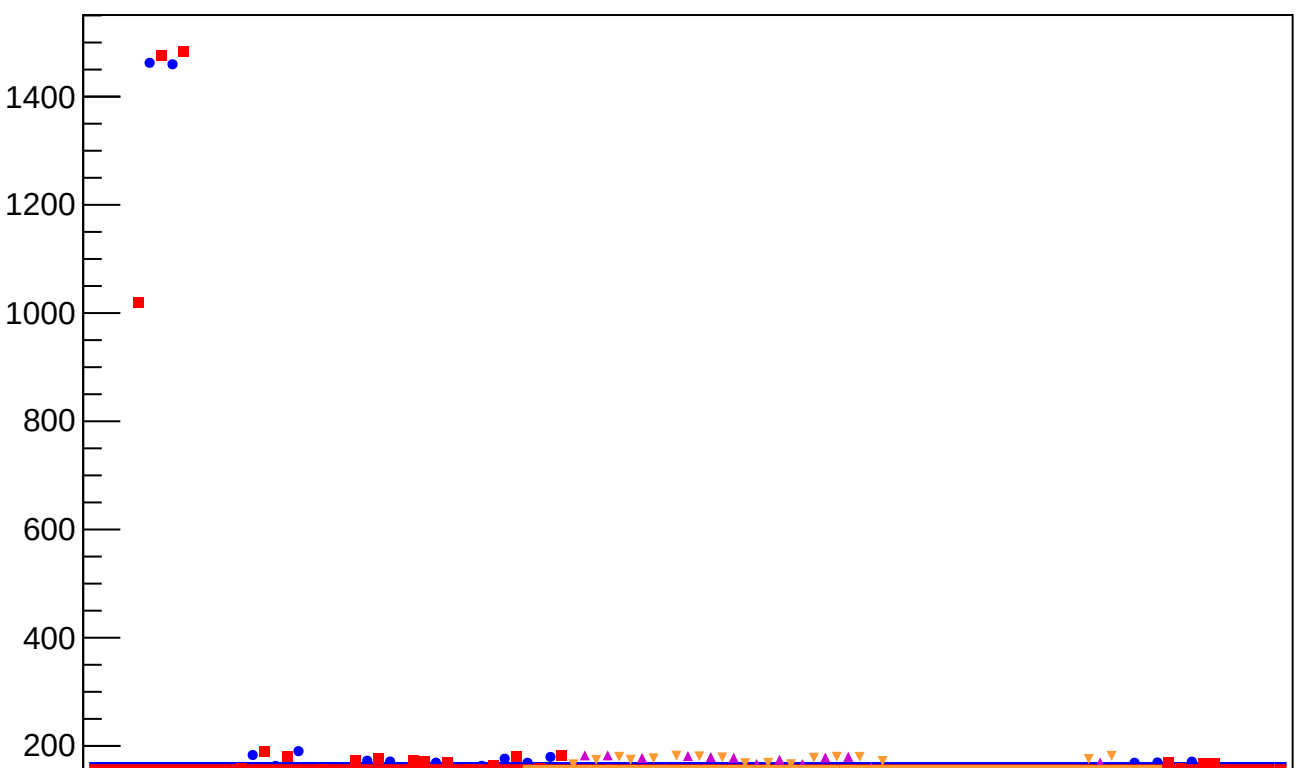
Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.120+/-0.000 χ^2/NDF: 35593982.5/44

All: 0.115+/-0.000 χ^2/NDF: 73019656.2/93

- sign 0.111+/-0.000 χ^2/NDF: 37357739.5/48

yield_bcm0l02_mean vs Slug



Right In: 166.637+/-0.000 χ^2/NDF: 14736884995.5/19

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.536+/-0.000 χ^2/NDF: 17498655845.2/25

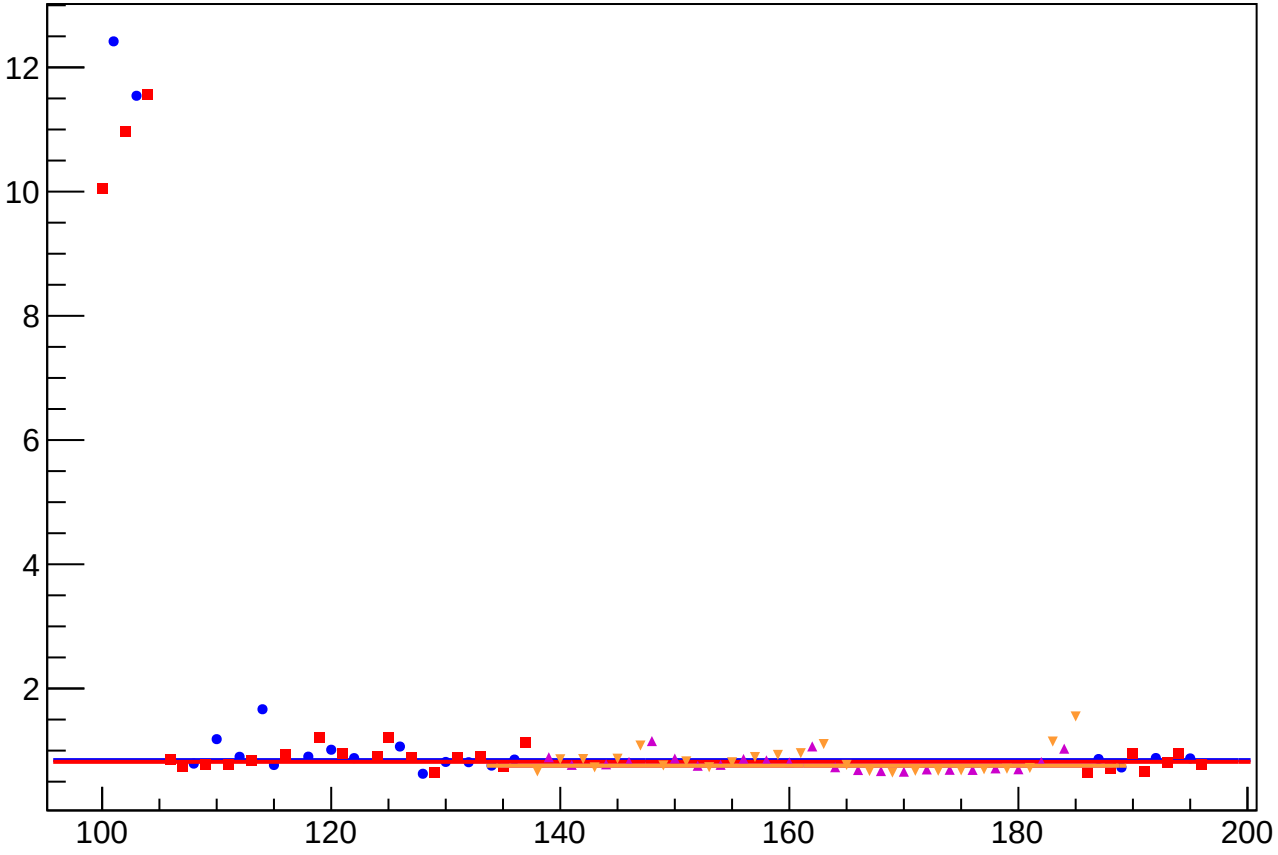
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.535+/-0.000 χ^2/NDF: 18662639639.2/44

All: 161.700+/-0.000 χ^2/NDF: 39987862559.

- sign 160.915+/-0.000 χ^2/NDF: 21280849321.2/48

yield_bcm0l02_rms vs Slug



Right In: 0.847+/-0.000 χ^2/NDF: 2329485.9/19

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

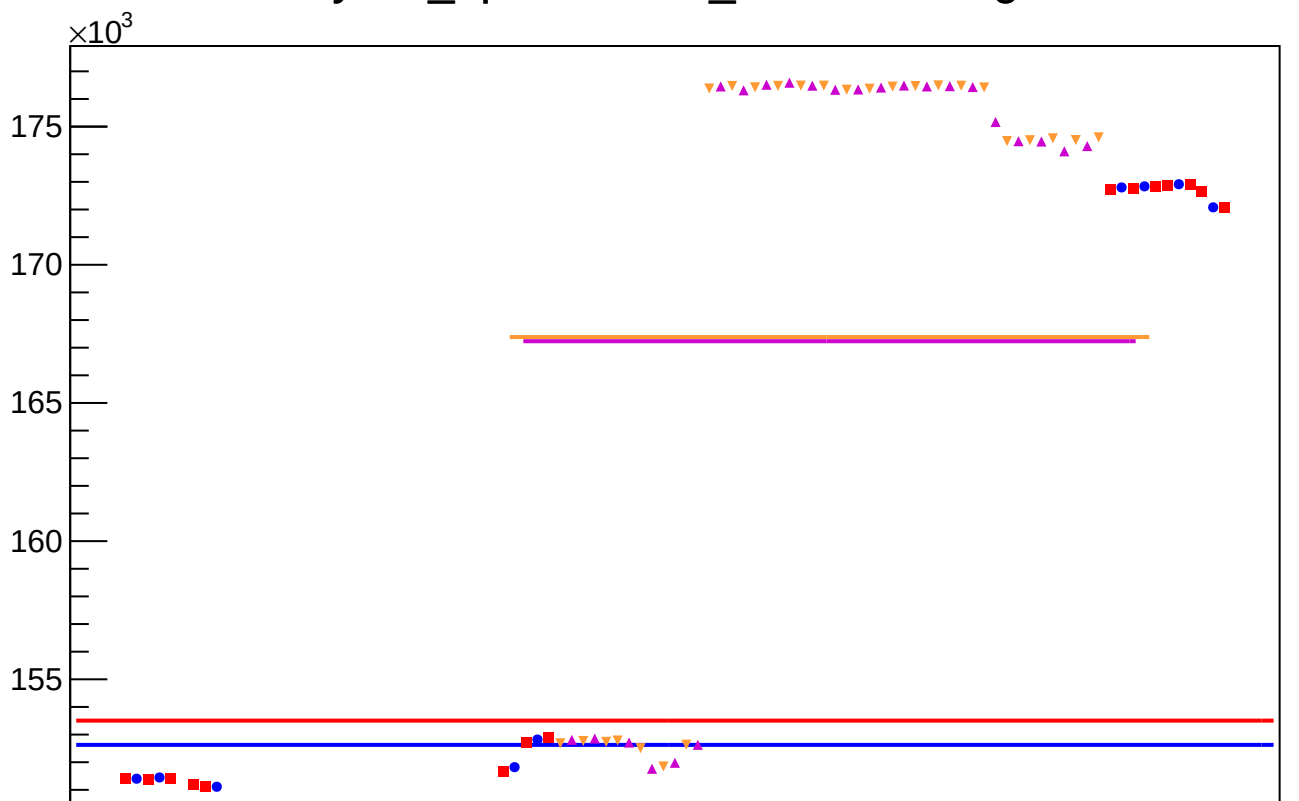
Right Out: 0.819+/-0.000 χ^2/NDF: 2374792.7/25

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.779+/-0.000 χ^2/NDF: 3181945.0/44

All: 0.778+/-0.000 χ^2/NDF: 6091769.4/93

- sign 0.776+/-0.000 χ^2/NDF: 2909472.4/48



Right In: 152627.183+/-0.052 χ^2/NDF: 15452838321.9/19

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153505.077+/-0.047 χ^2/NDF: 25220624018.5/25

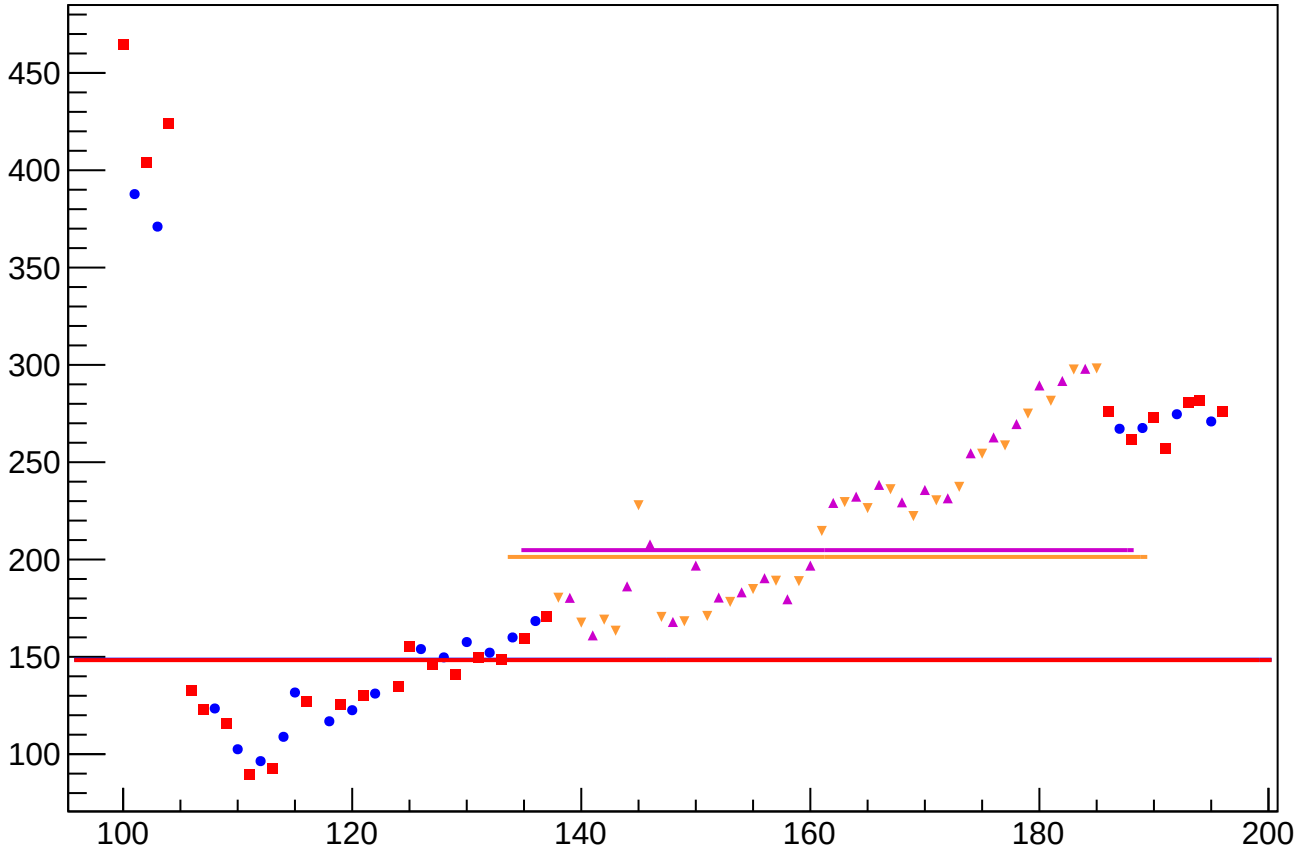
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160791.102+/-0.035 χ^2/NDF: 119618260004

All: 160473.801+/-0.024 χ^2/NDF: 240713971

- sign 160169.314+/-0.034 χ^2/NDF: 120932400750

yield_bpm2i01WS_rms vs Slug



Right In: 148.546+/-0.037 χ^2/NDF: 2565703.2/19

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 148.308+/-0.034 χ^2/NDF: 3746920.9/25

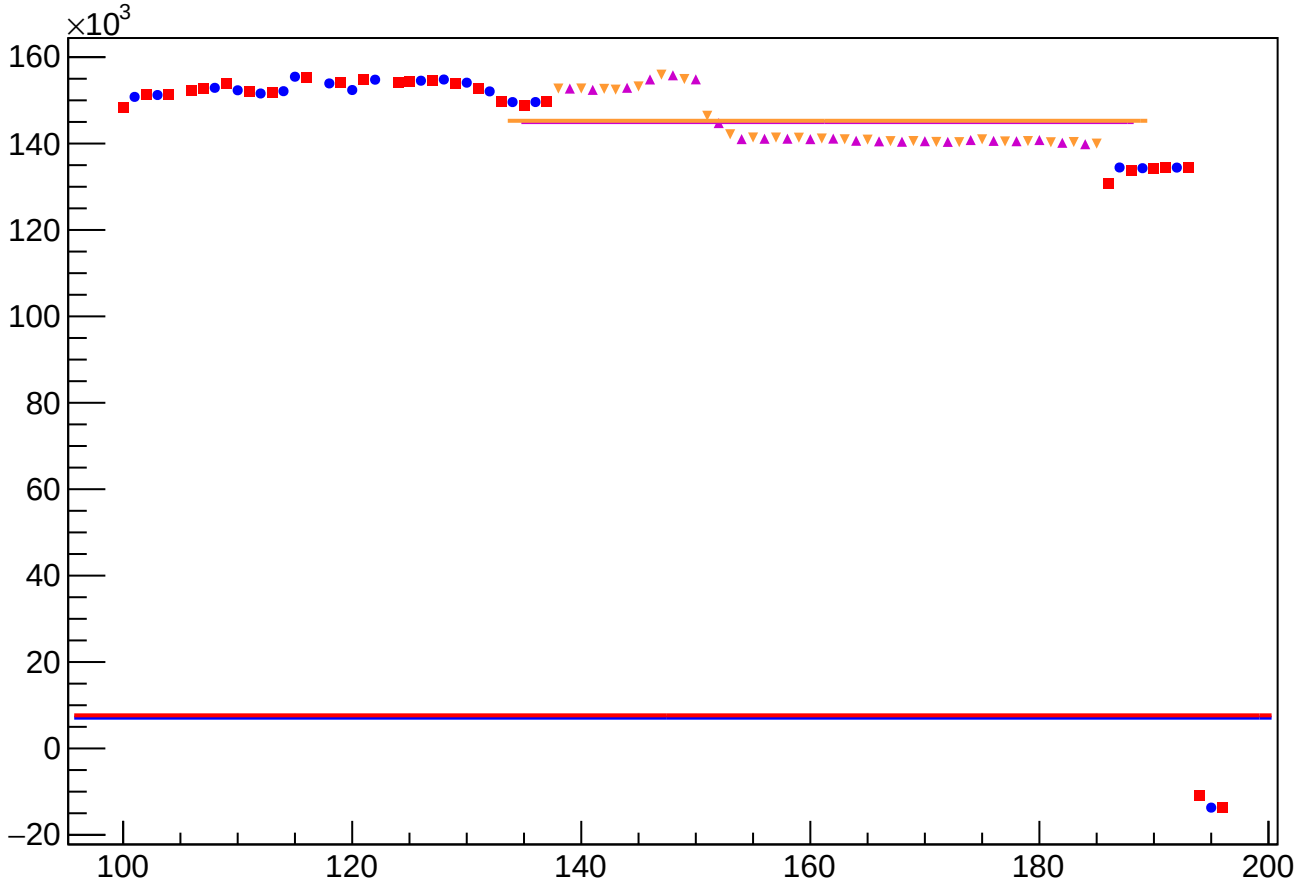
Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 177.744+/-0.025 χ^2/NDF: 4936368.6/44

All: 176.722+/-0.017 χ^2/NDF: 11116320.2/93

- sign 175.742+/-0.024 χ^2/NDF: 6176565.7/48

yield_bpm0i07WS_mean vs Slug



Right In: 7123.584+/-0.024 χ^2/NDF: 5218569965159.4/19

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 7662.098+/-0.021 χ^2/NDF: 6333931819673.5/25

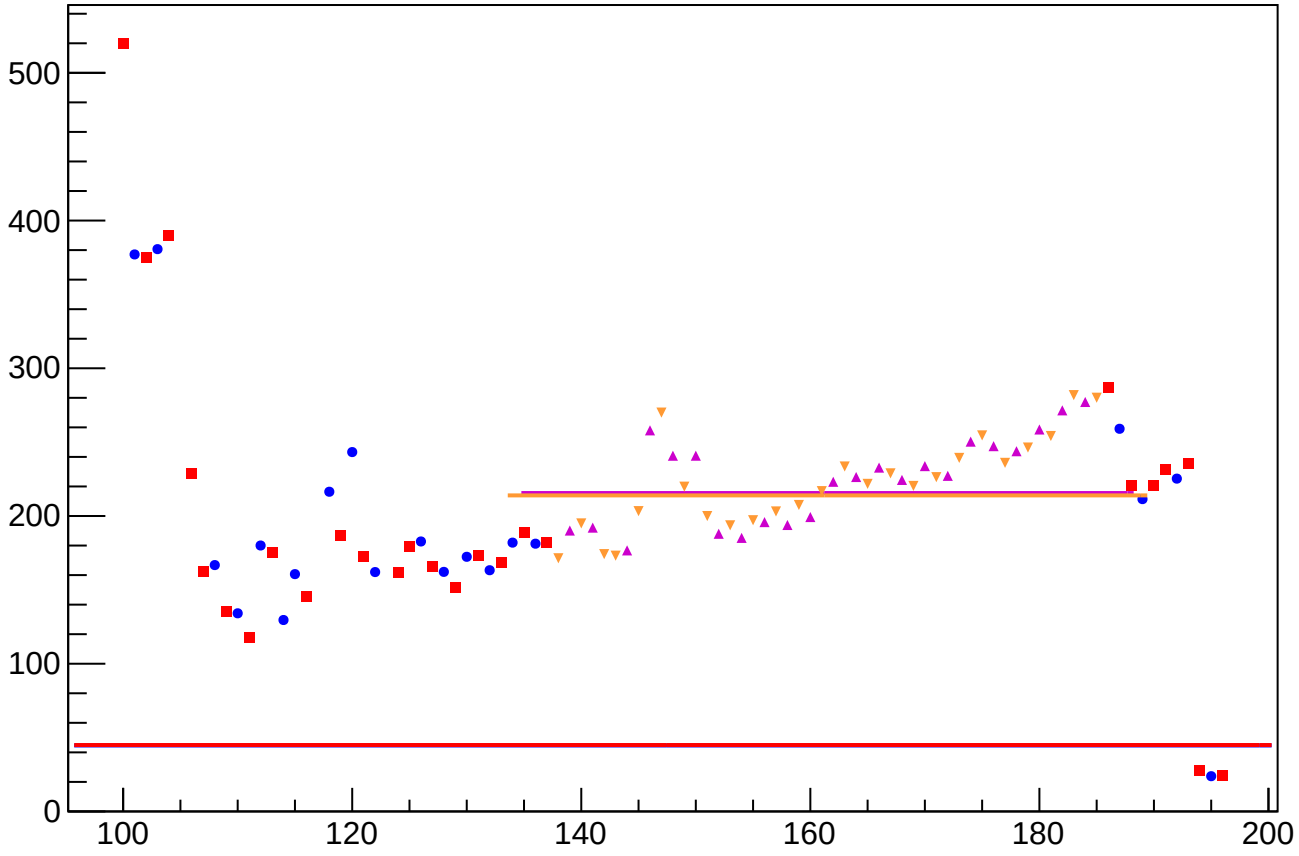
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 33304.663+/-0.022 χ^2/NDF: 1157370712144

All: 30544.712+/-0.015 χ^2/NDF: 240660151

- sign 28202.845+/-0.020 χ^2/NDF: 1246184712025

yield_bpm0i07WS_rms vs Slug



Right In: 44.678+/-0.017 χ^2/NDF: 11424516.6/19

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

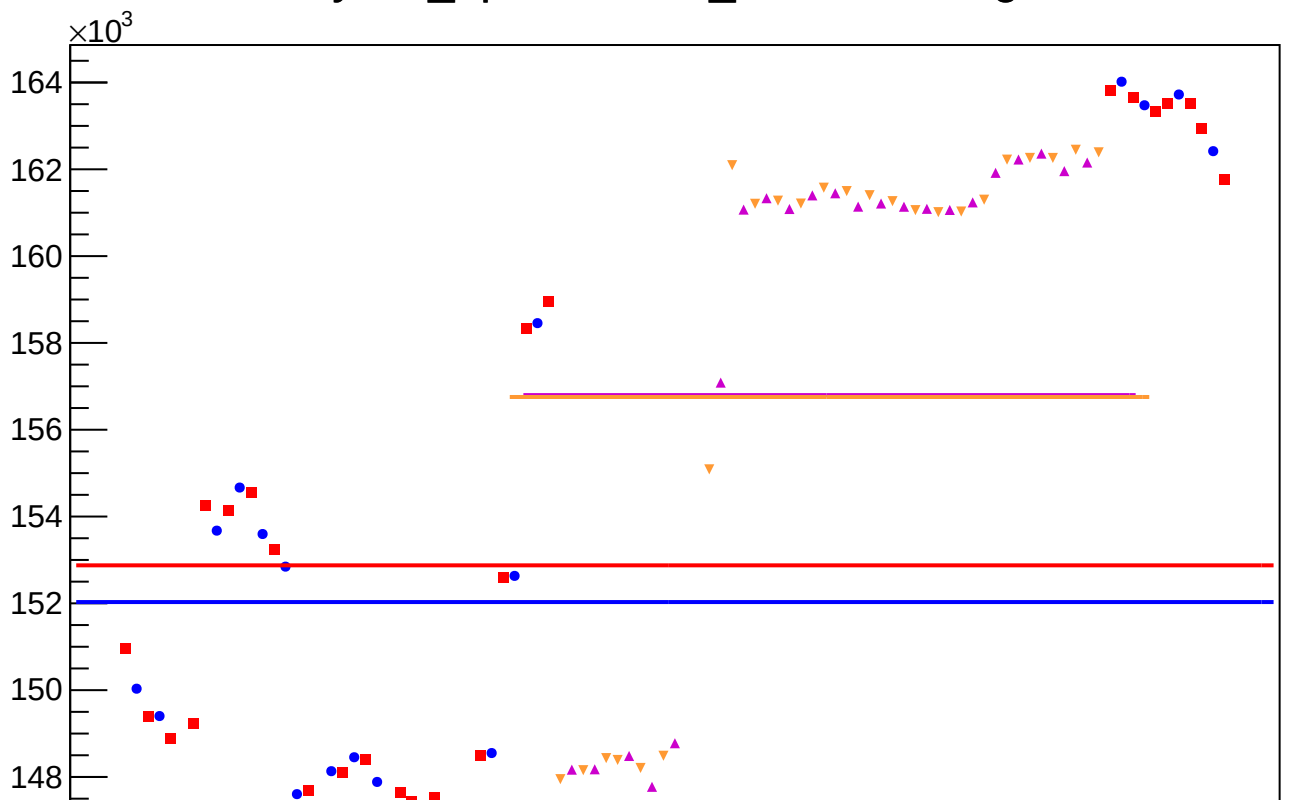
Right Out: 44.958+/-0.015 χ^2/NDF: 12913476.7/25

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 76.759+/-0.015 χ^2/NDF: 31117121.3/44

All: 73.360+/-0.010 χ^2/NDF: 63599115.5/93

- sign 70.477+/-0.014 χ^2/NDF: 32389636.6/48



Right In: 152029.720+/-0.060 χ^2/NDF: 7393847577.2/19

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 152875.598+/-0.055 χ^2/NDF: 9555276111.9/25

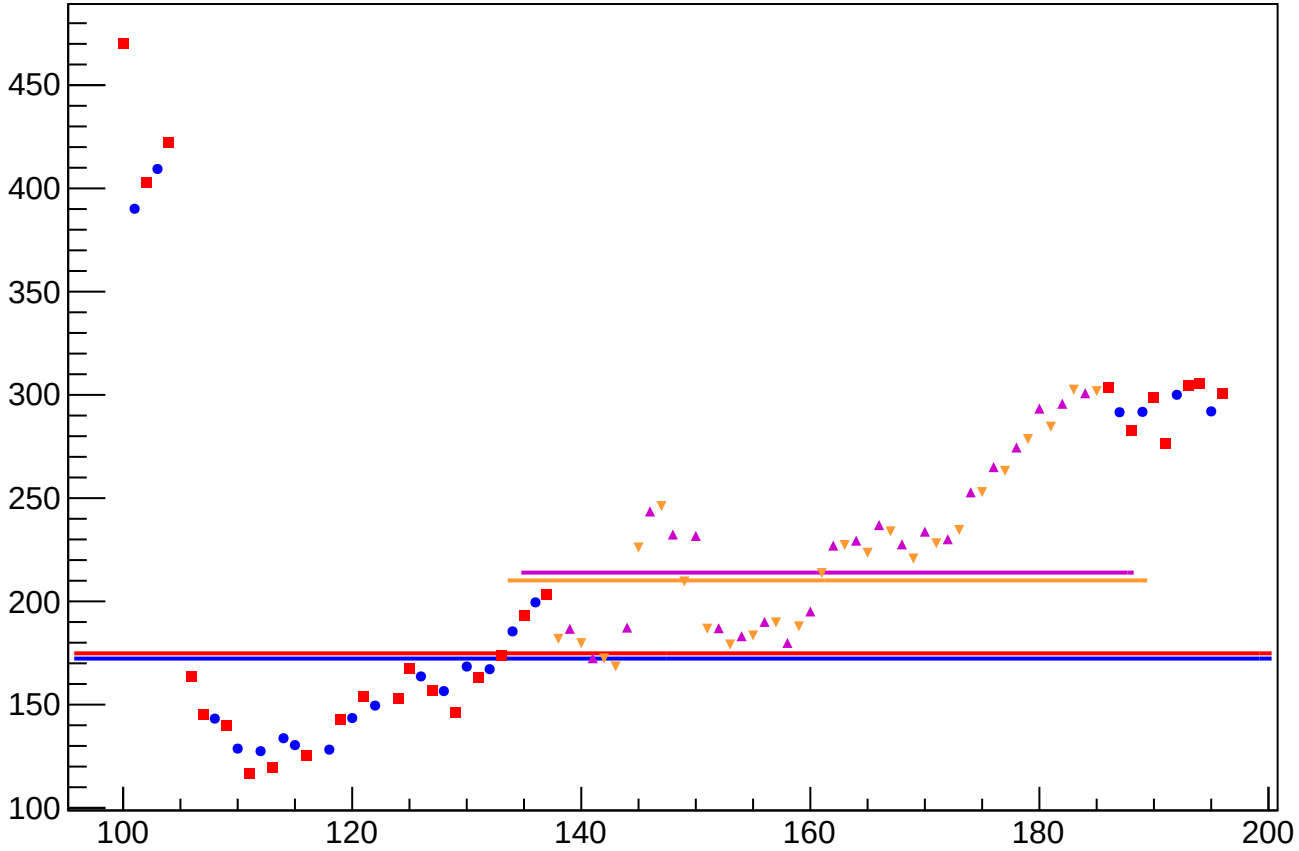
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154863.649+/-0.038 χ^2/NDF: 27550210202.

All: 154930.150+/-0.027 χ^2/NDF: 54178603

- sign 154995.913+/-0.037 χ^2/NDF: 26622194693.1

yield_bpm0i01WS_rms vs Slug



Right In: 172.309+/-0.042 χ^2/NDF: 2176230.6/19

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

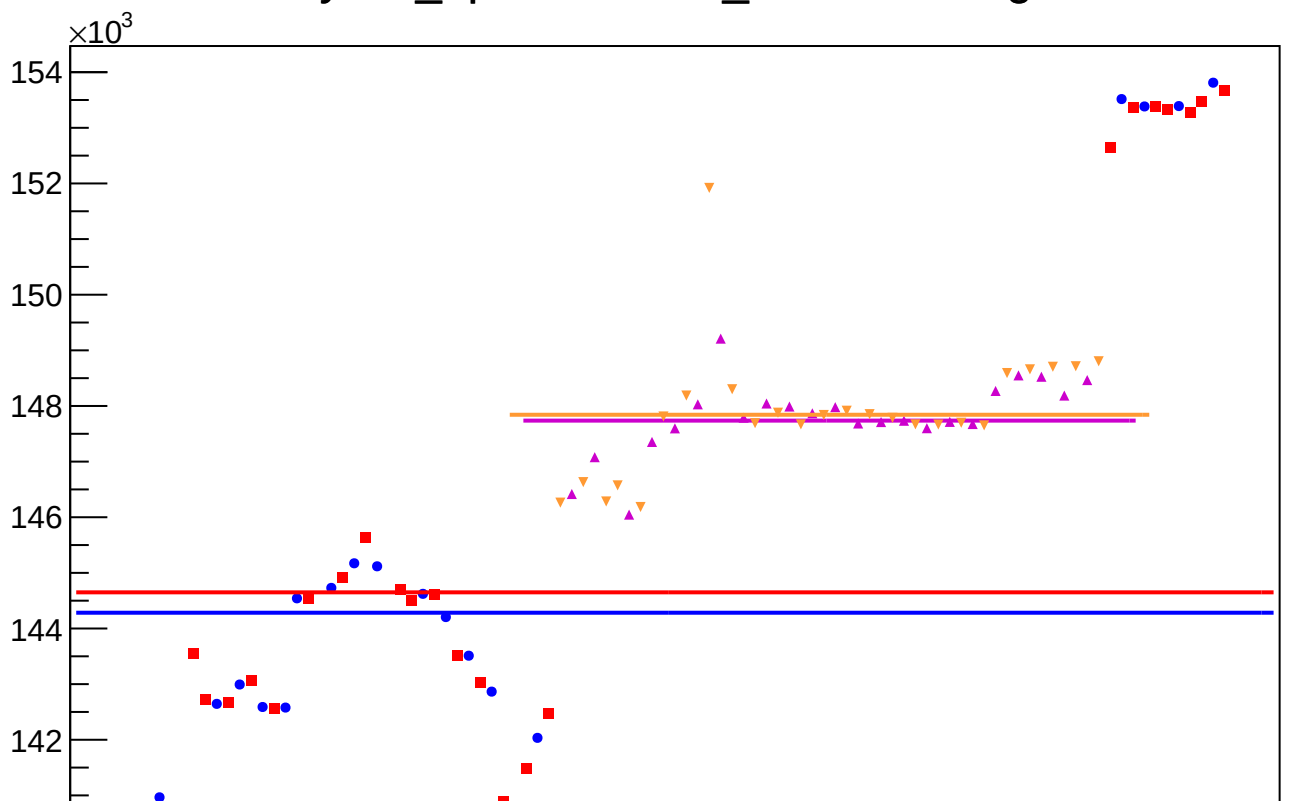
Right Out: 174.838+/-0.039 χ^2/NDF: 3027338.8/25

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 195.003+/-0.027 χ^2/NDF: 3658238.7/44

All: 195.493+/-0.019 χ^2/NDF: 8142048.1/93

- sign 195.978+/-0.026 χ^2/NDF: 4483135.7/48



Right In: 144283.589+/-0.051 χ^2/NDF: 4051576105.3/19

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144649.963+/-0.046 χ^2/NDF: 6179195836.4/25

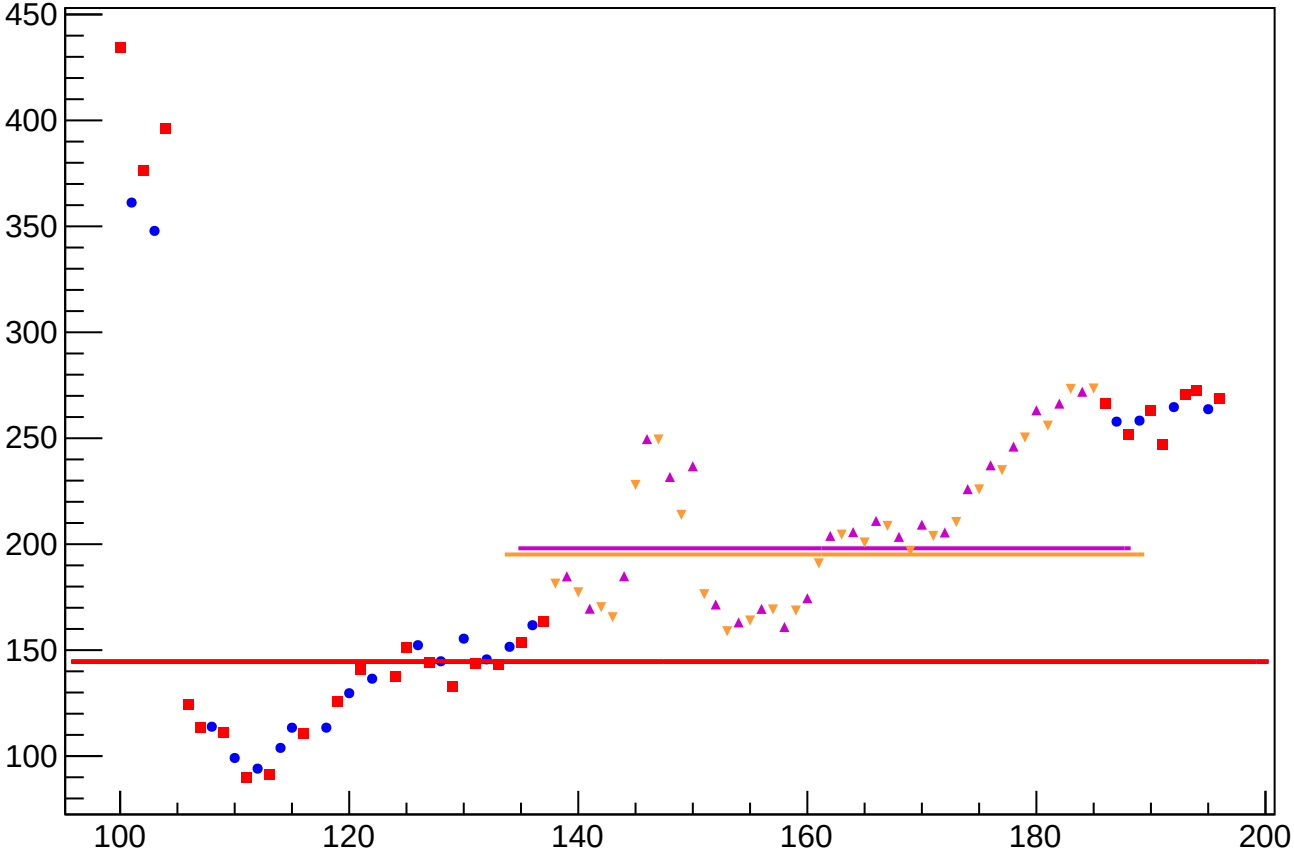
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146264.030+/-0.034 χ^2/NDF: 7521876324.7

All: 146211.774+/-0.024 χ^2/NDF: 16116928

- sign 146161.516+/-0.033 χ^2/NDF: 8590326508.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 144.491+/-0.036 χ^2/NDF: 2513994.3/19

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

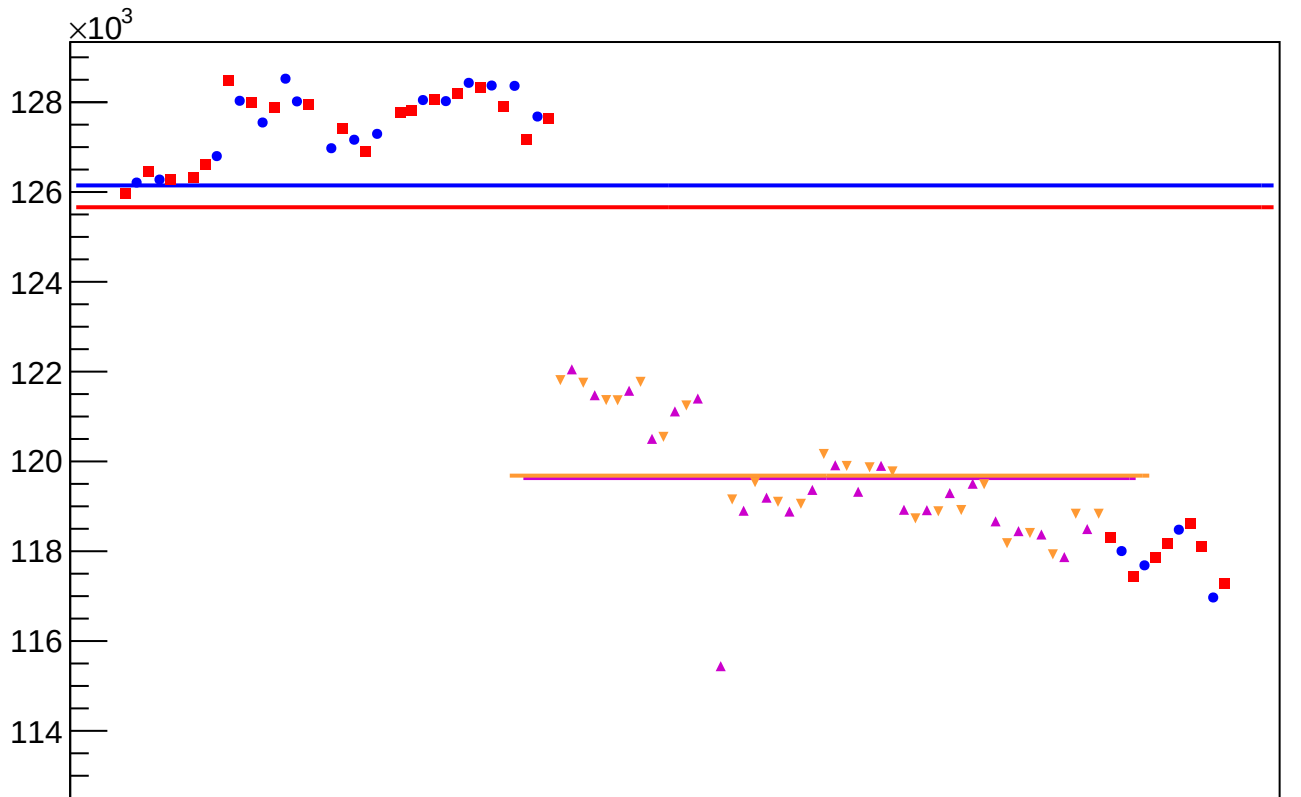
Right Out: 144.803+/-0.033 χ^2/NDF: 3626582.6/25

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 172.681+/-0.024 χ^2/NDF: 4535357.0/44

All: 171.763+/-0.017 χ^2/NDF: 10365372.9/93

- sign 170.881+/-0.023 χ^2/NDF: 5827099.1/48



Right In: 126146.803+/-0.054 χ^2/NDF: 4676966880.5/19

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 125660.895+/-0.049 χ^2/NDF: 6918255668.5/25

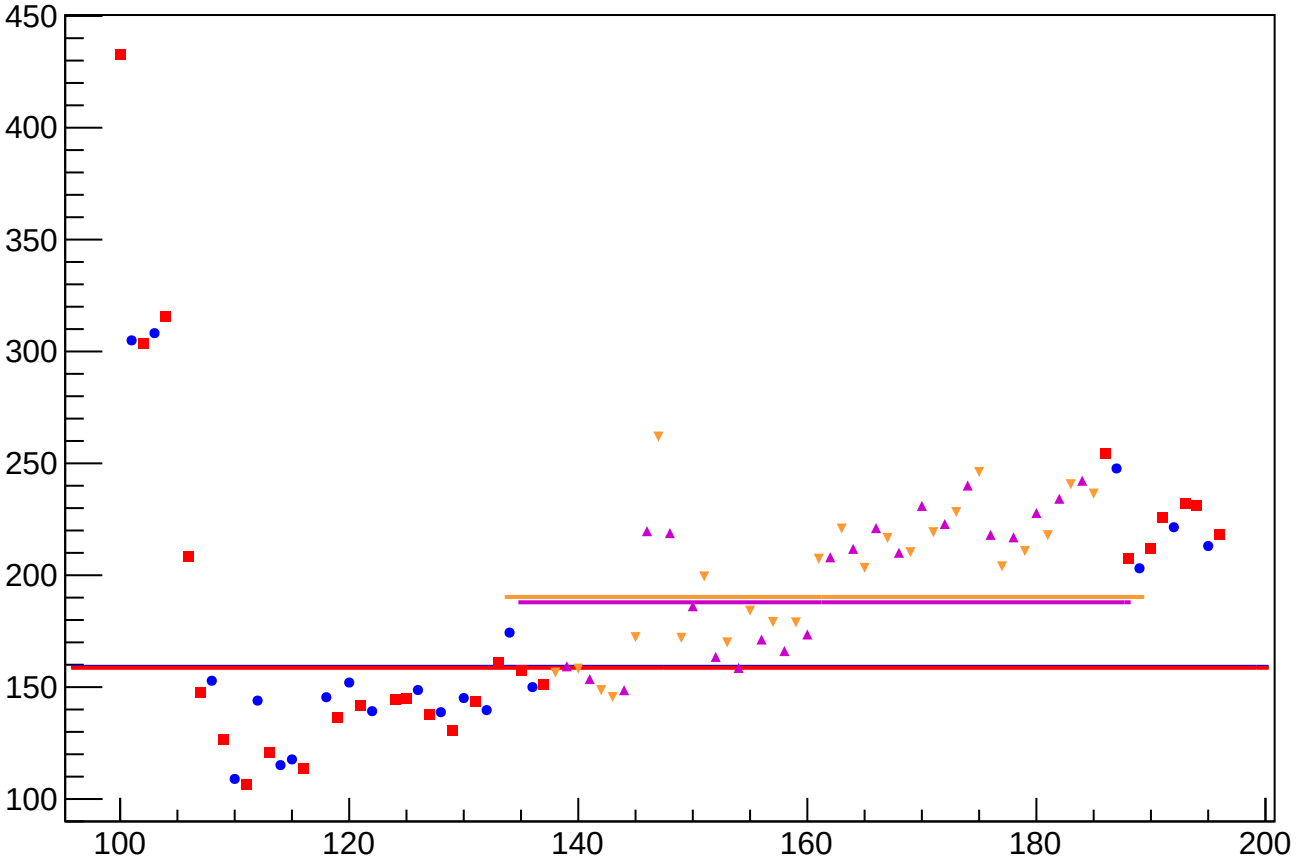
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122301.048+/-0.034 χ^2/NDF: 15297454316.

All: 122352.106+/-0.024 χ^2/NDF: 31793767

- sign 122400.025+/-0.033 χ^2/NDF: 16491978594.

yield_bpm0l01WS_rms vs Slug



Right In: 159.076+/-0.038 χ^2/NDF: 1251071.7/19

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

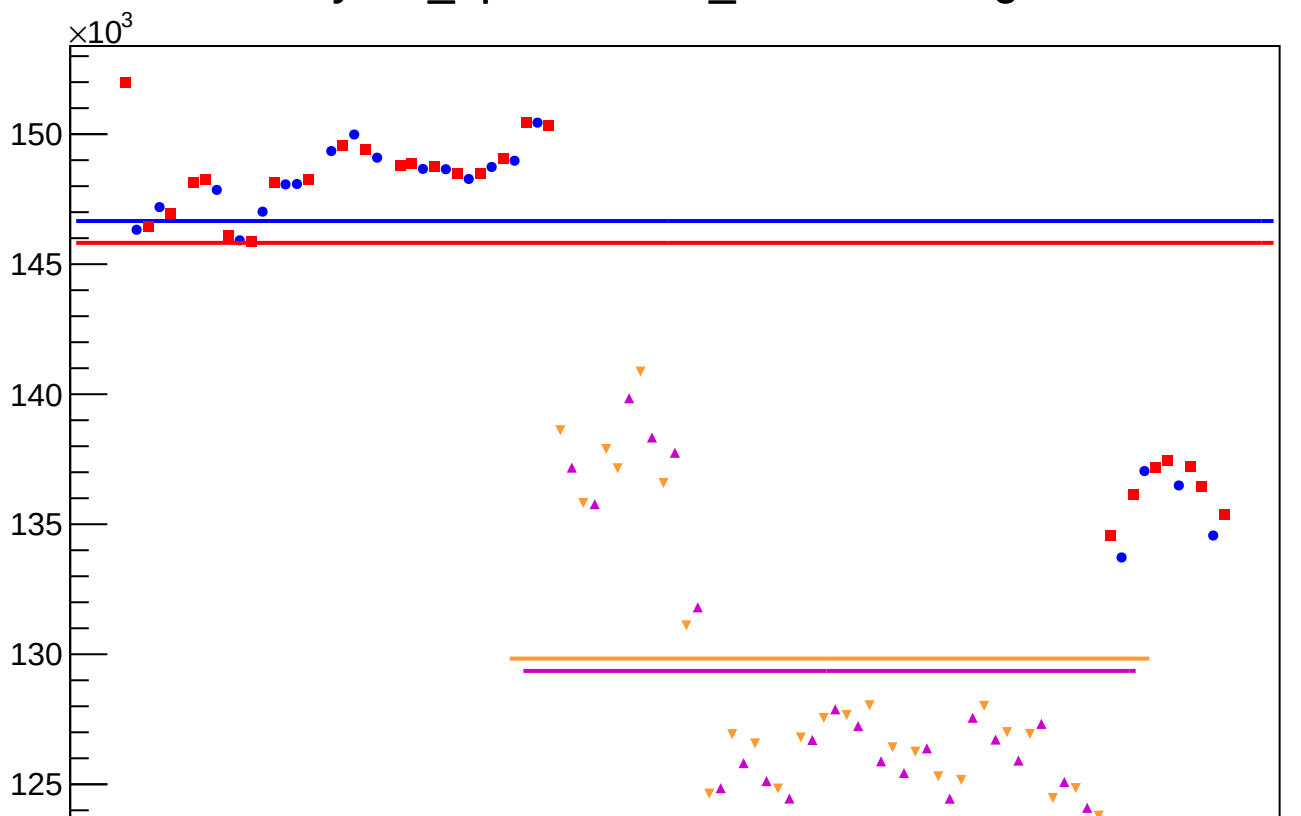
Right Out: 158.637+/-0.035 χ^2/NDF: 1951590.3/25

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 177.653+/-0.024 χ^2/NDF: 2578588.9/44

All: 176.008+/-0.017 χ^2/NDF: 5854189.1/93

- sign 174.463+/-0.023 χ^2/NDF: 3266593.3/48



Right In: 146659.685+/-0.076 χ^2/NDF: 3807378834.3/19

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145819.793+/-0.068 χ^2/NDF: 5381444169.7/25

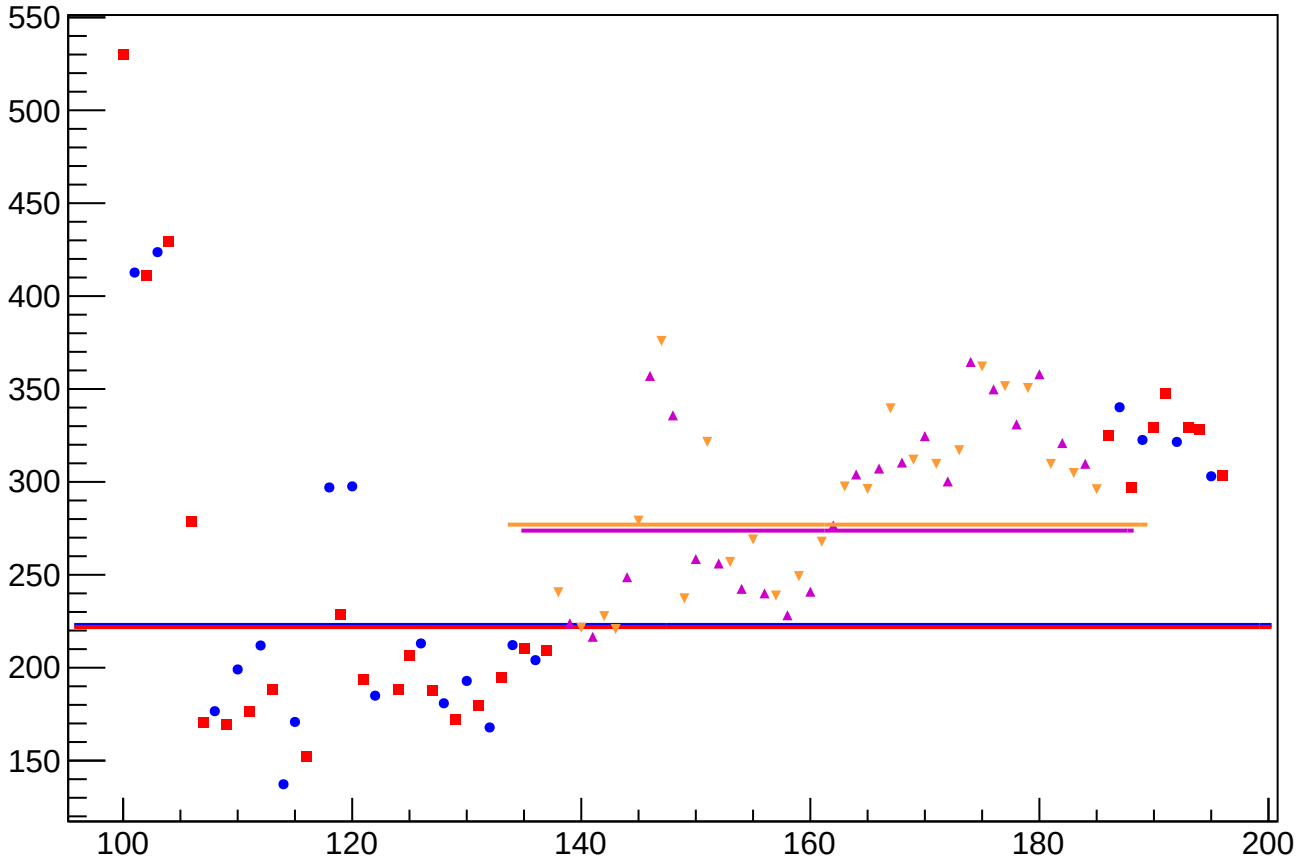
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136869.653+/-0.049 χ^2/NDF: 39321050195.

All: 137052.897+/-0.034 χ^2/NDF: 81656781

- sign 137223.346+/-0.047 χ^2/NDF: 42308705200.5

yield_bpm0l02WS_rms vs Slug



Right In: 223.019+/-0.054 χ^2/NDF: 1493750.6/19

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

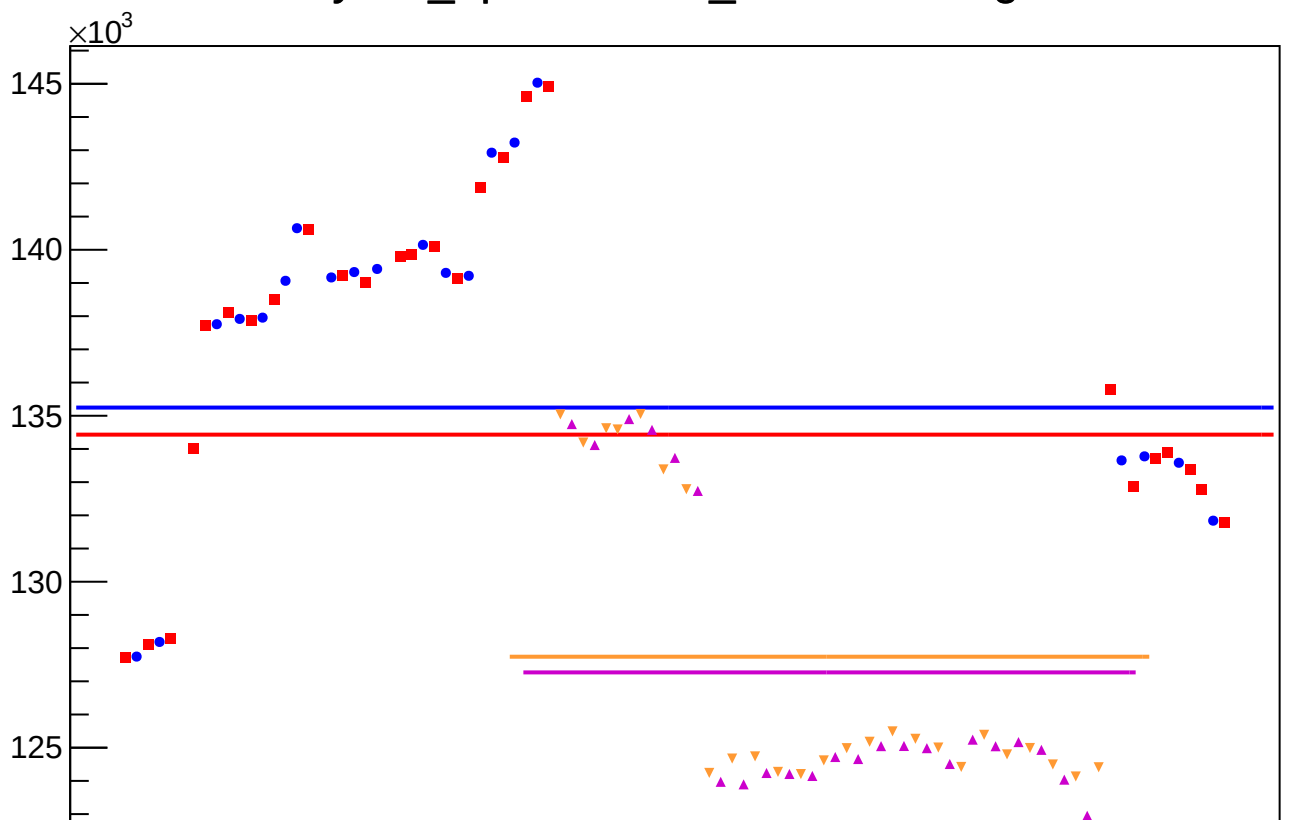
Right Out: 221.870+/-0.048 χ^2/NDF: 1910332.8/25

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 254.441+/-0.035 χ^2/NDF: 3032076.9/44

All: 251.614+/-0.024 χ^2/NDF: 6562084.6/93

- sign 248.984+/-0.033 χ^2/NDF: 3517143.2/48



Right In: 135246.763+/-0.138 χ^2/NDF: 1732184369.1/19

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134431.135+/-0.124 χ^2/NDF: 1318154883.5/25

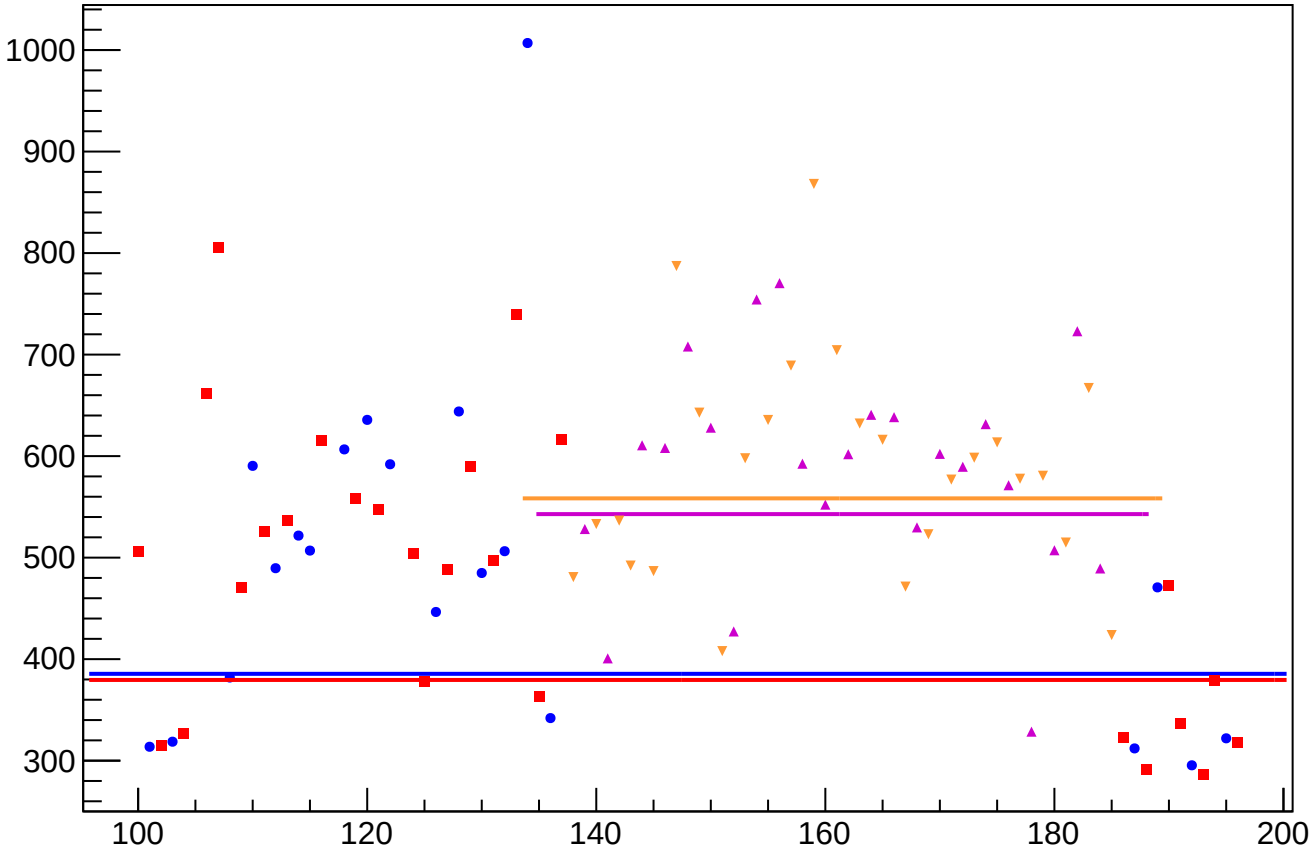
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131440.009+/-0.097 χ^2/NDF: 4335110484.2

All: 131332.239+/-0.067 χ^2/NDF: 81052750

- sign 131233.086+/-0.093 χ^2/NDF: 3767772514.6/

yield_bpm0l03WS_rms vs Slug



Right In: 385.540+/-0.097 χ^2/NDF: 1315055.9/19

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

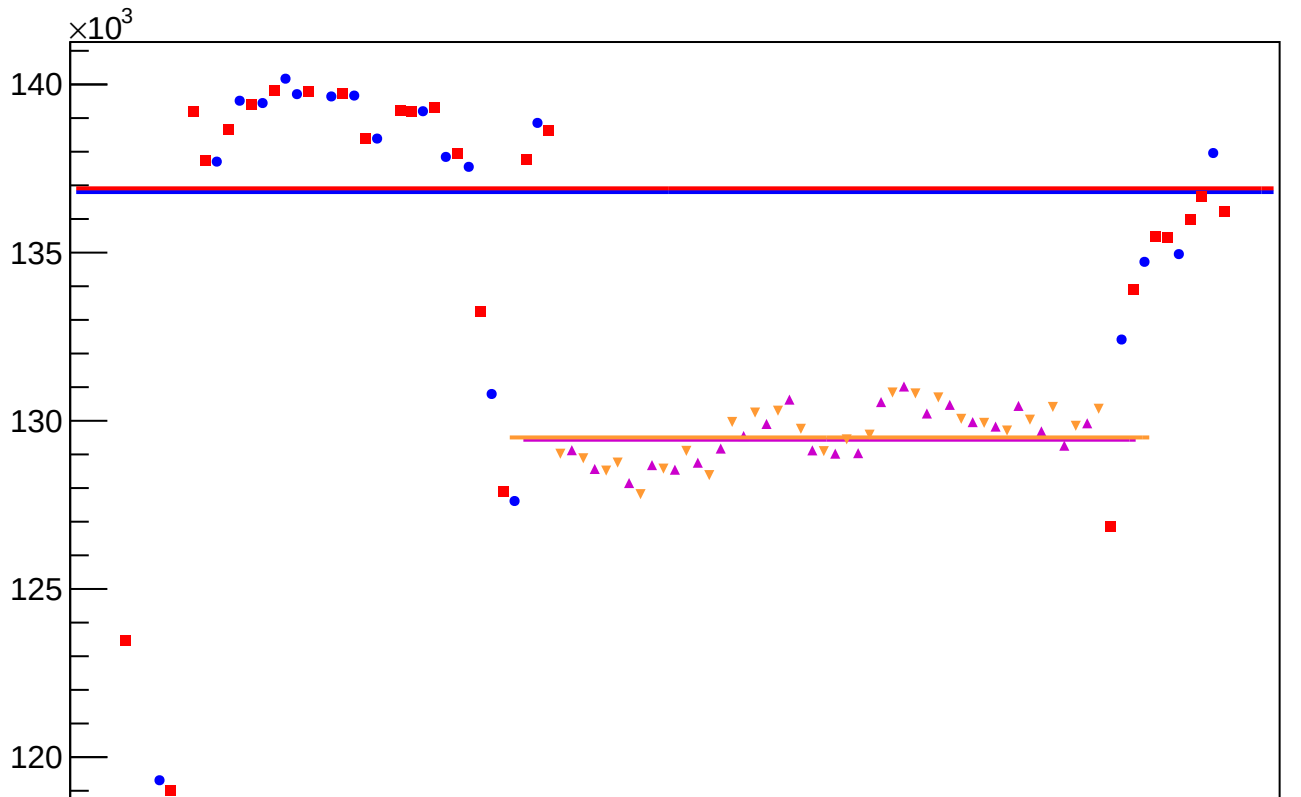
Right Out: 379.513+/-0.088 χ^2/NDF: 1502798.3/25

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 473.199+/-0.068 χ^2/NDF: 3885121.0/44

All: 462.393+/-0.047 χ^2/NDF: 8390558.9/93

- sign 452.451+/-0.065 χ^2/NDF: 4457341.7/48



Right In: 136800.670+/-0.066 χ^2/NDF: 5924437505.6/19

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136911.154+/-0.060 χ^2/NDF: 6297664982.5/25

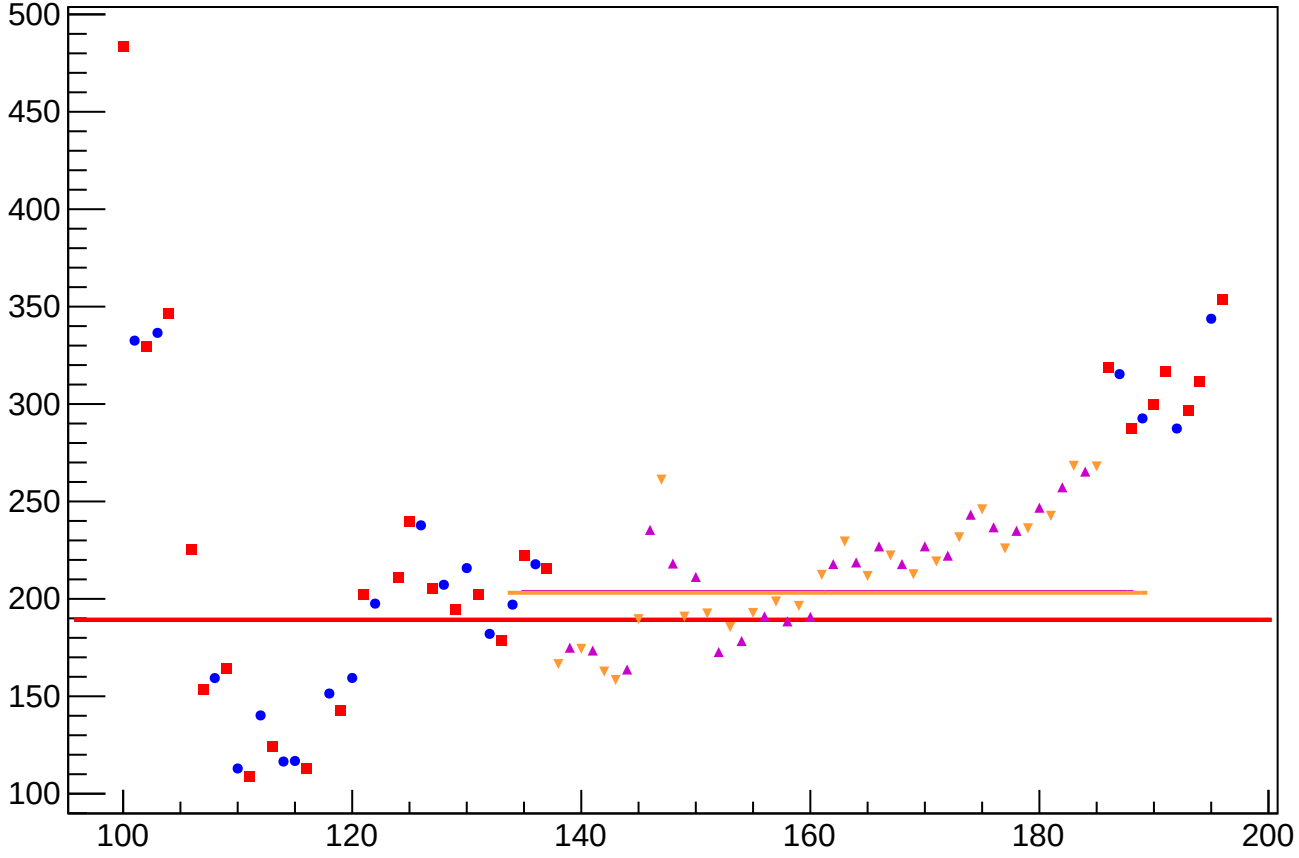
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131981.024+/-0.038 χ^2/NDF: 14402682810.

All: 132186.866+/-0.027 χ^2/NDF: 30424963

- sign 132387.164+/-0.038 χ^2/NDF: 15964985973.4

yield_bpm0l04WS_rms vs Slug



Right In: 189.234+/-0.046 χ^2/NDF: 2046836.8/19

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

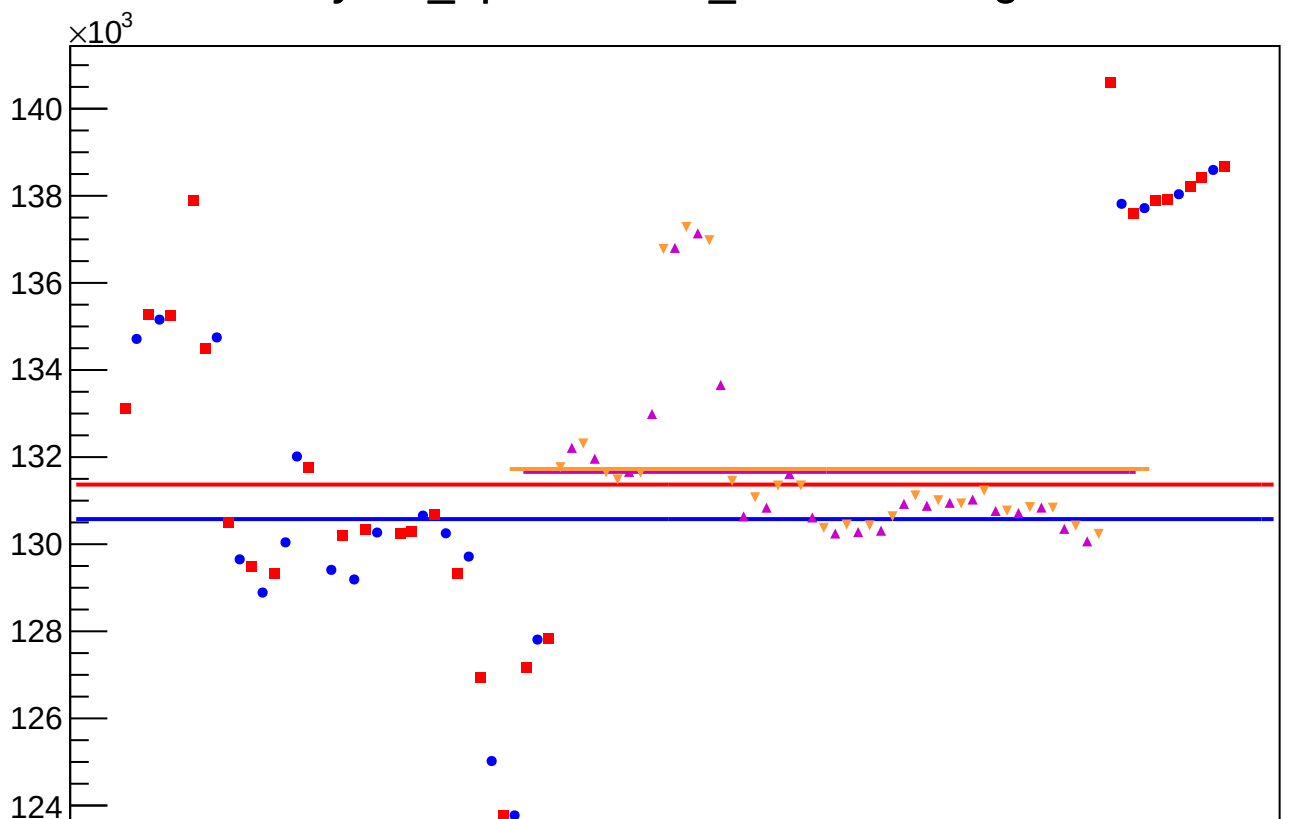
Right Out: 189.303+/-0.042 χ^2/NDF: 3033269.2/25

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 198.413+/-0.027 χ^2/NDF: 2864618.7/44

All: 198.166+/-0.019 χ^2/NDF: 6632375.0/93

- sign 197.925+/-0.027 χ^2/NDF: 3767590.6/48



Right In: 130576.486+/-0.061 χ^2/NDF: 4218108973.7/19

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131369.211+/-0.055 χ^2/NDF: 5595485505.8/25

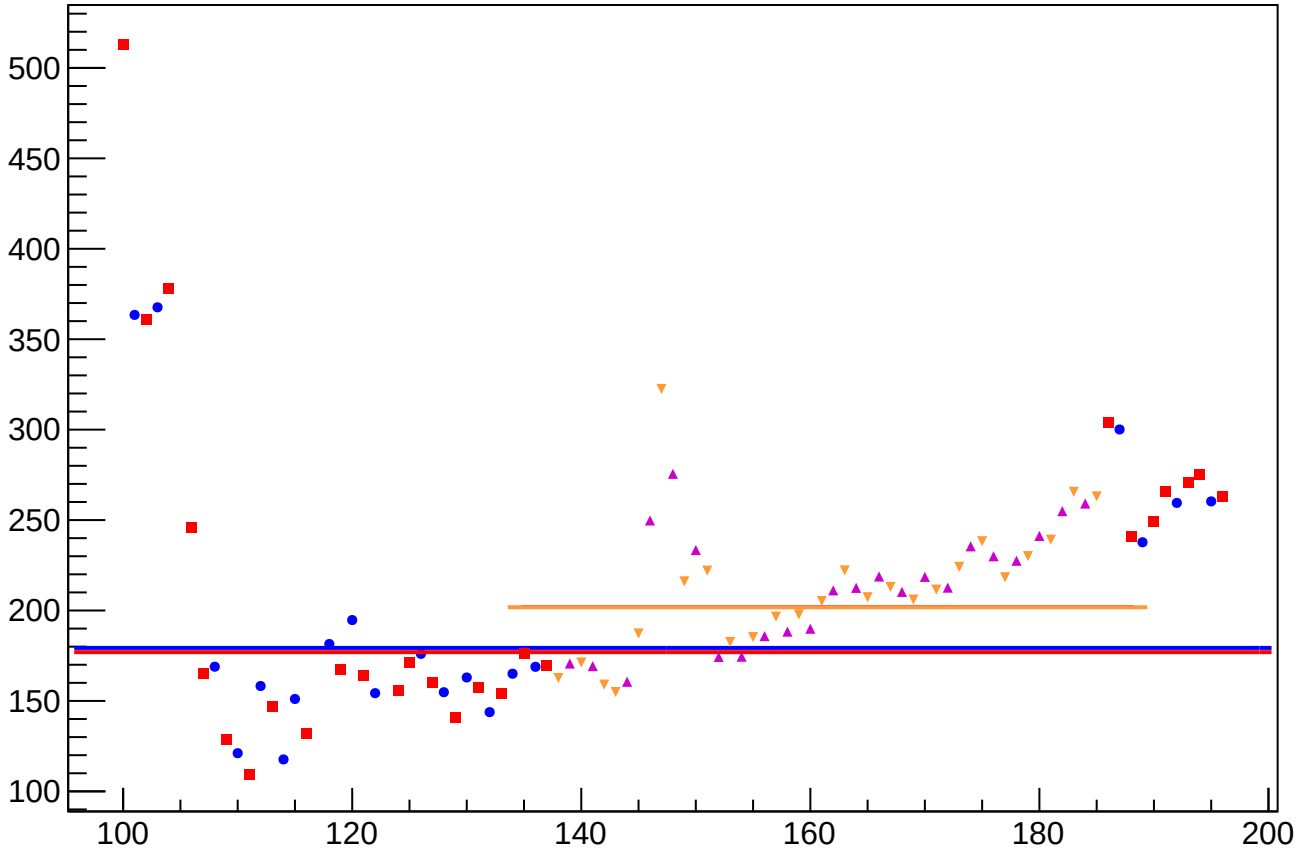
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131302.381+/-0.037 χ^2/NDF: 5865833805.2

All: 131421.368+/-0.026 χ^2/NDF: 12661452

- sign 131534.696+/-0.036 χ^2/NDF: 6775652915.5/

yield_bpm0l05WS_rms vs Slug



Right In: 179.318+/-0.043 χ^2/NDF: 1489104.8/19

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 193.500+/-0.026 χ^2/NDF: 2564450.7/44

All: 192.300+/-0.018 χ^2/NDF: 5973283.9/93

- sign 191.156+/-0.026 χ^2/NDF: 3404768.2/48

Right In: 10661.175+/-0.015 χ^2/NDF: 4712090665668.6/19

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 10218.927+/-0.013 χ^2/NDF: 5597893210262.2/25

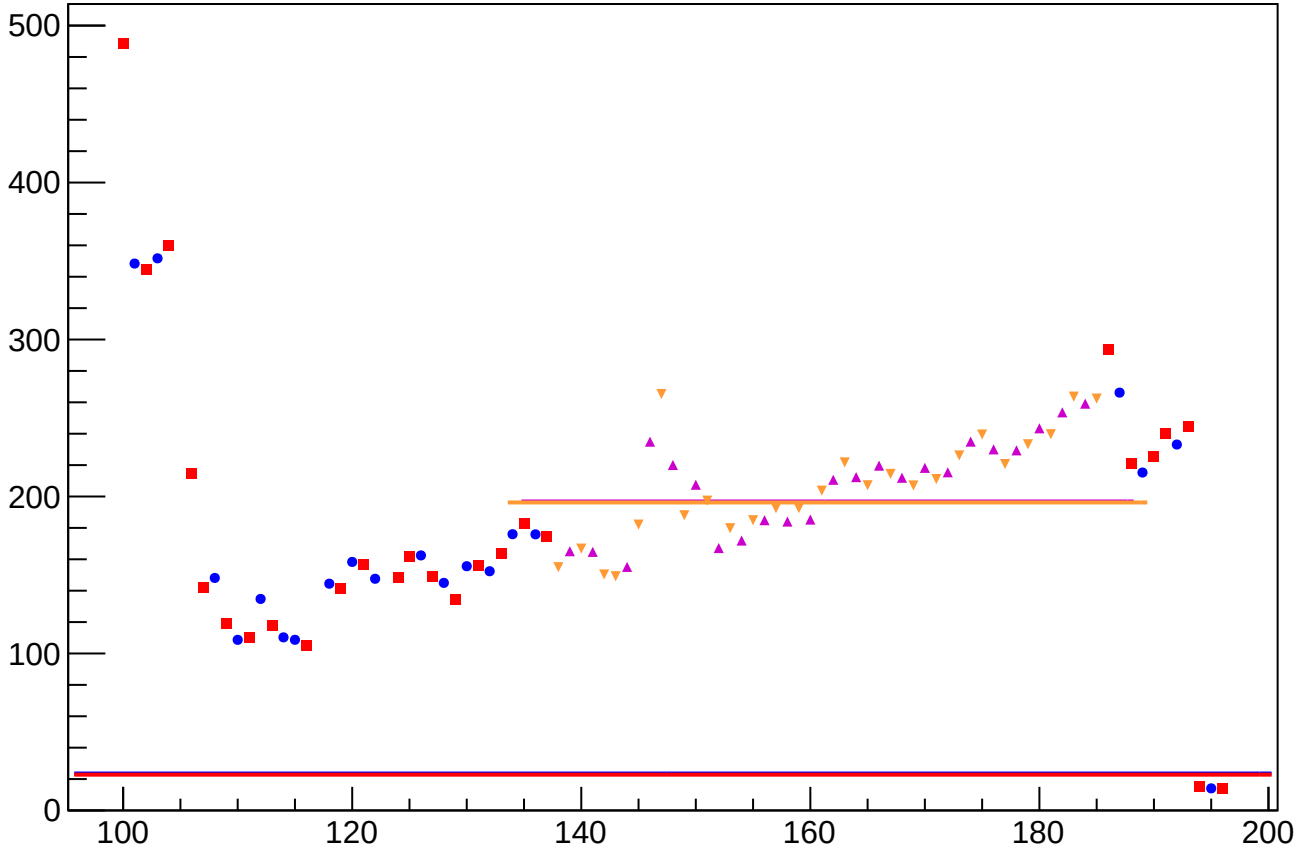
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 21647.029+/-0.014 χ^2/NDF: 1085693711847

All: 19882.657+/-0.009 χ^2/NDF: 224313420

- sign 18475.500+/-0.012 χ^2/NDF: 1154526558854

yield_bpm0l06WS_rms vs Slug



Right In: 23.531+/-0.010 χ^2/NDF: 13685014.3/19

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

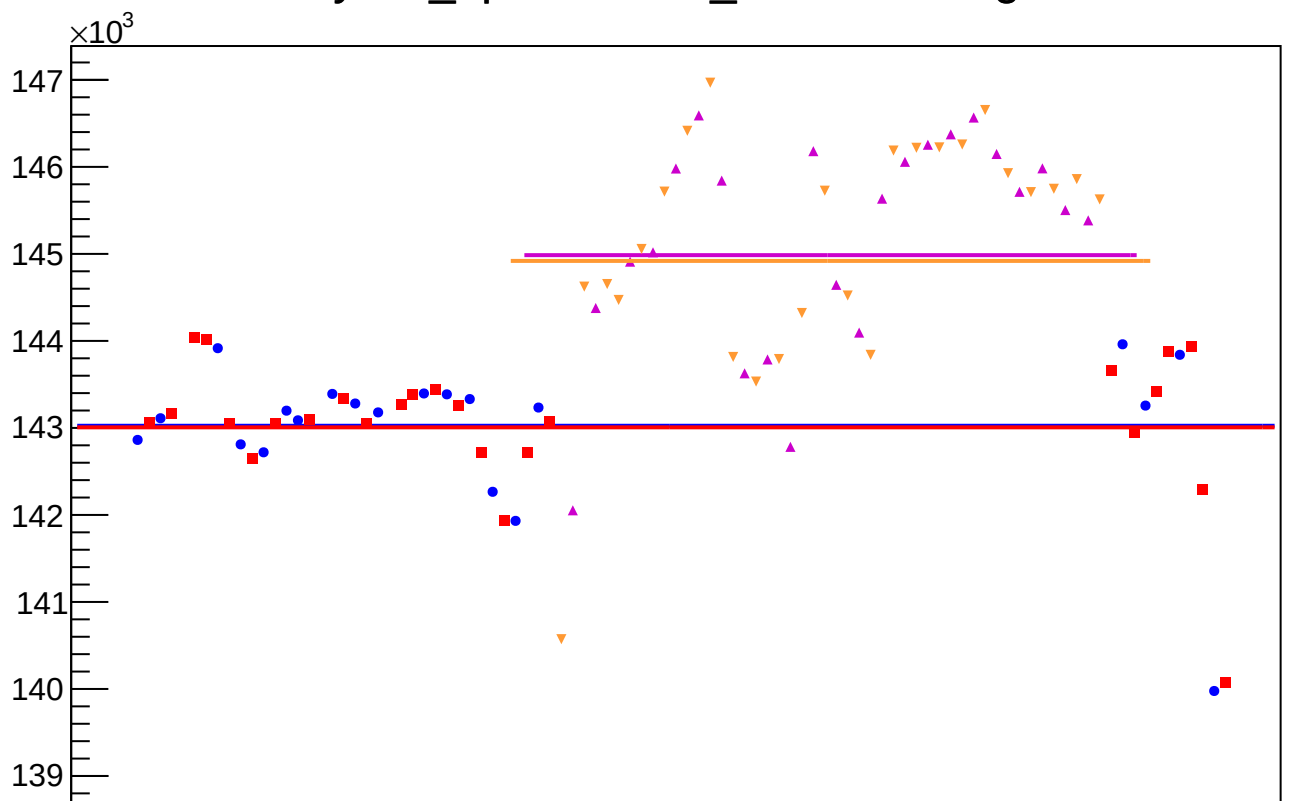
Right Out: 22.804+/-0.009 χ^2/NDF: 15747776.2/25

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 39.554+/-0.010 χ^2/NDF: 40748794.8/44

All: 36.978+/-0.007 χ^2/NDF: 83019534.2/93

- sign 34.923+/-0.009 χ^2/NDF: 42146479.6/48



Right In: 143024.735+/-0.061 χ^2/NDF: 143887806.7/19

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143006.666+/-0.056 χ^2/NDF: 133547657.2/25

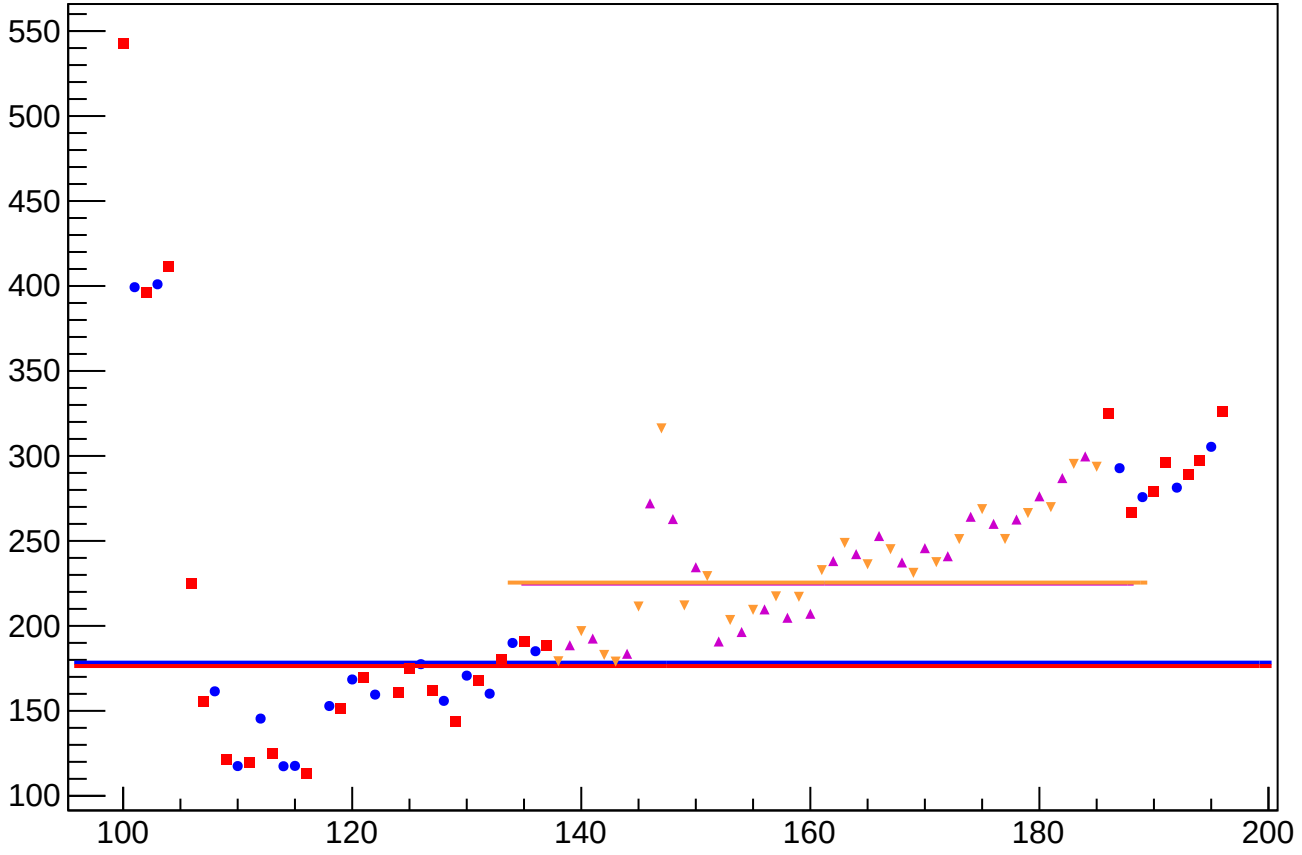
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144121.609+/-0.040 χ^2/NDF: 1533525264.7

All: 144076.447+/-0.028 χ^2/NDF: 29445546

- sign 144033.842+/-0.039 χ^2/NDF: 1408519525.3/

yield_bpm0l07WS_rms vs Slug



Right In: 178.376+/-0.043 χ^2/NDF: 1970428.6/19

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

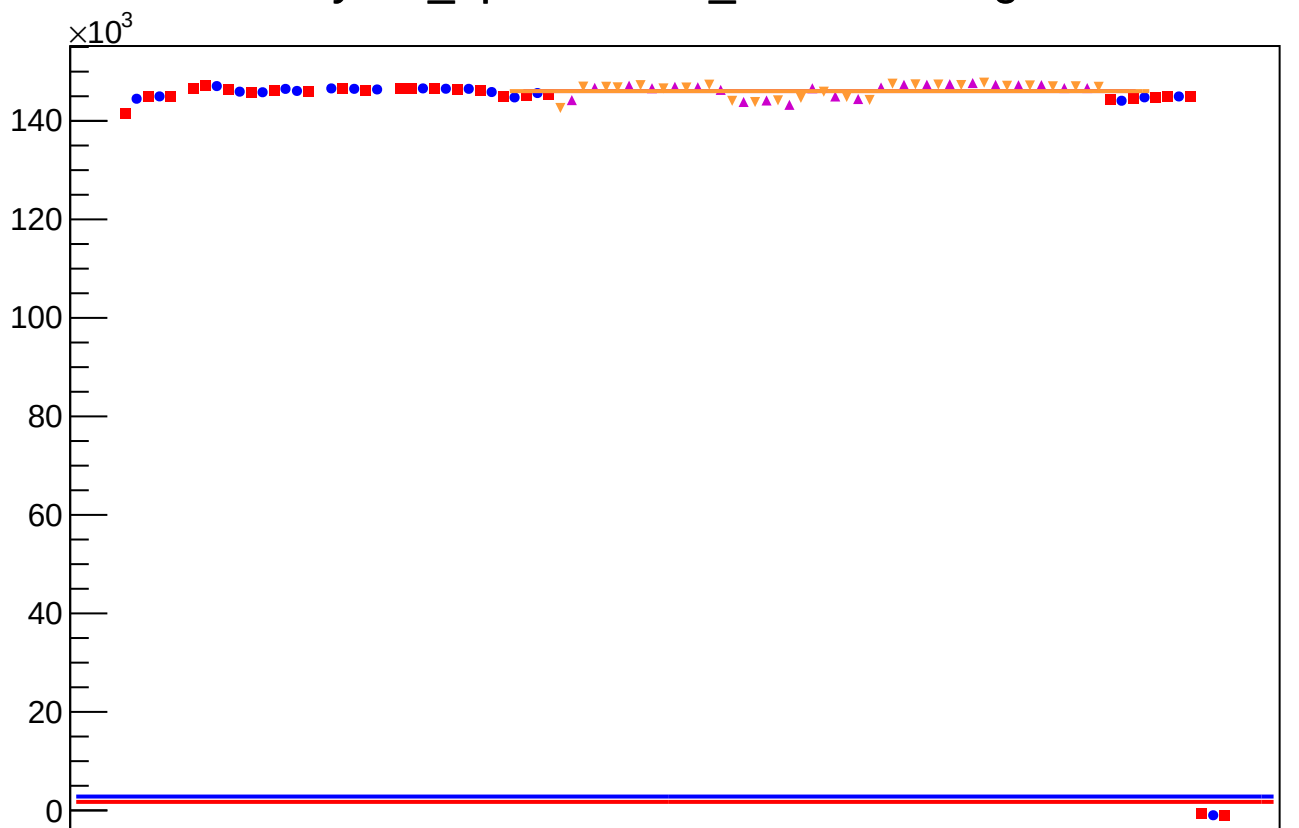
Right Out: 176.382+/-0.039 χ^2/NDF: 3049718.4/25

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 205.644+/-0.028 χ^2/NDF: 3430718.0/44

All: 203.537+/-0.020 χ^2/NDF: 8003023.7/93

- sign 201.549+/-0.027 χ^2/NDF: 4561381.2/48



Right In: 2813.932+/-0.010 χ^2/NDF: 5230178989631.3/19

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 1731.220+/-0.008 χ^2/NDF: 6341070675640.7/25

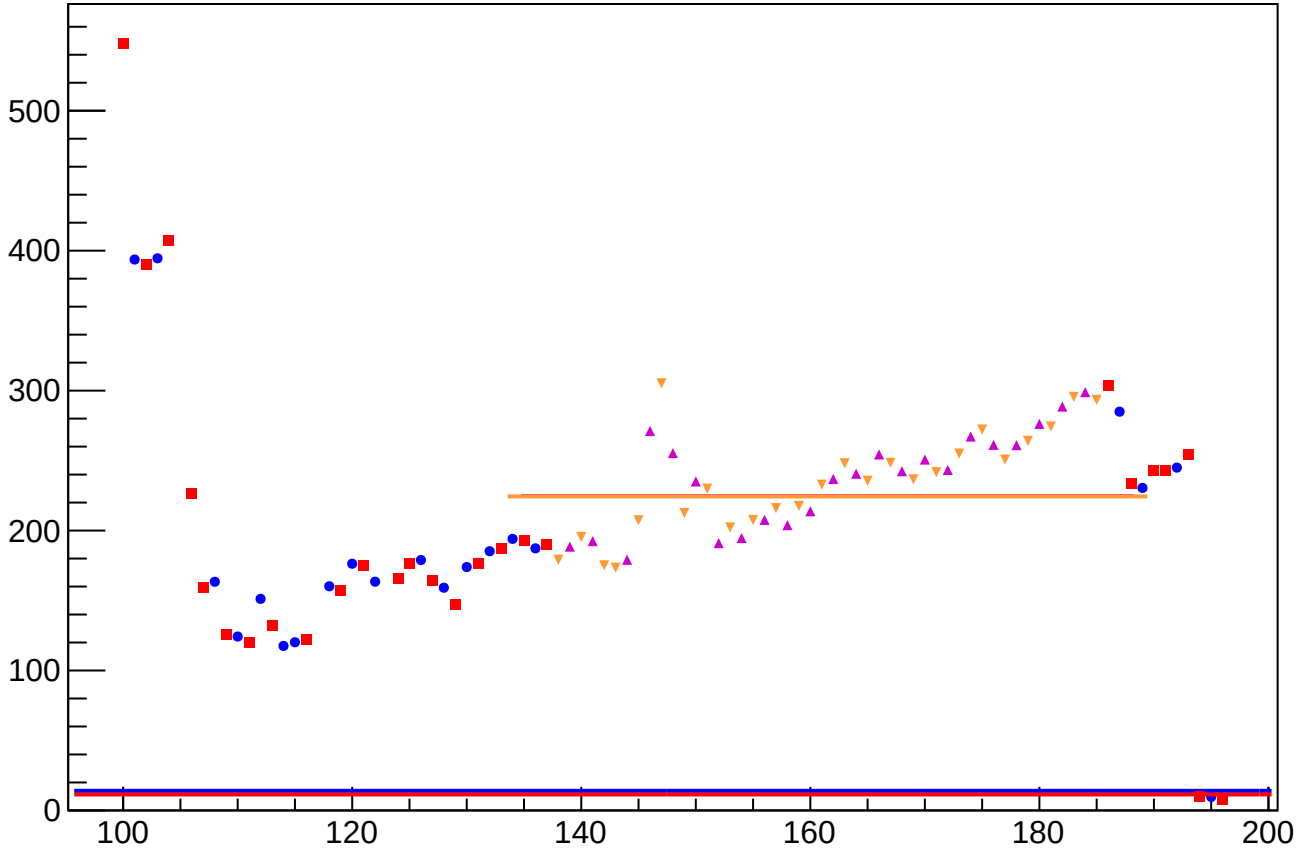
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 8115.010+/-0.010 χ^2/NDF: 12534180713214

All: 6035.043+/-0.006 χ^2/NDF: 2605272912

- sign 4777.166+/-0.008 χ^2/NDF: 13449203333329

yield_bpm0l08WS_rms vs Slug



Right In: 14.031+/-0.007 χ^2/NDF: 15152478.5/19

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

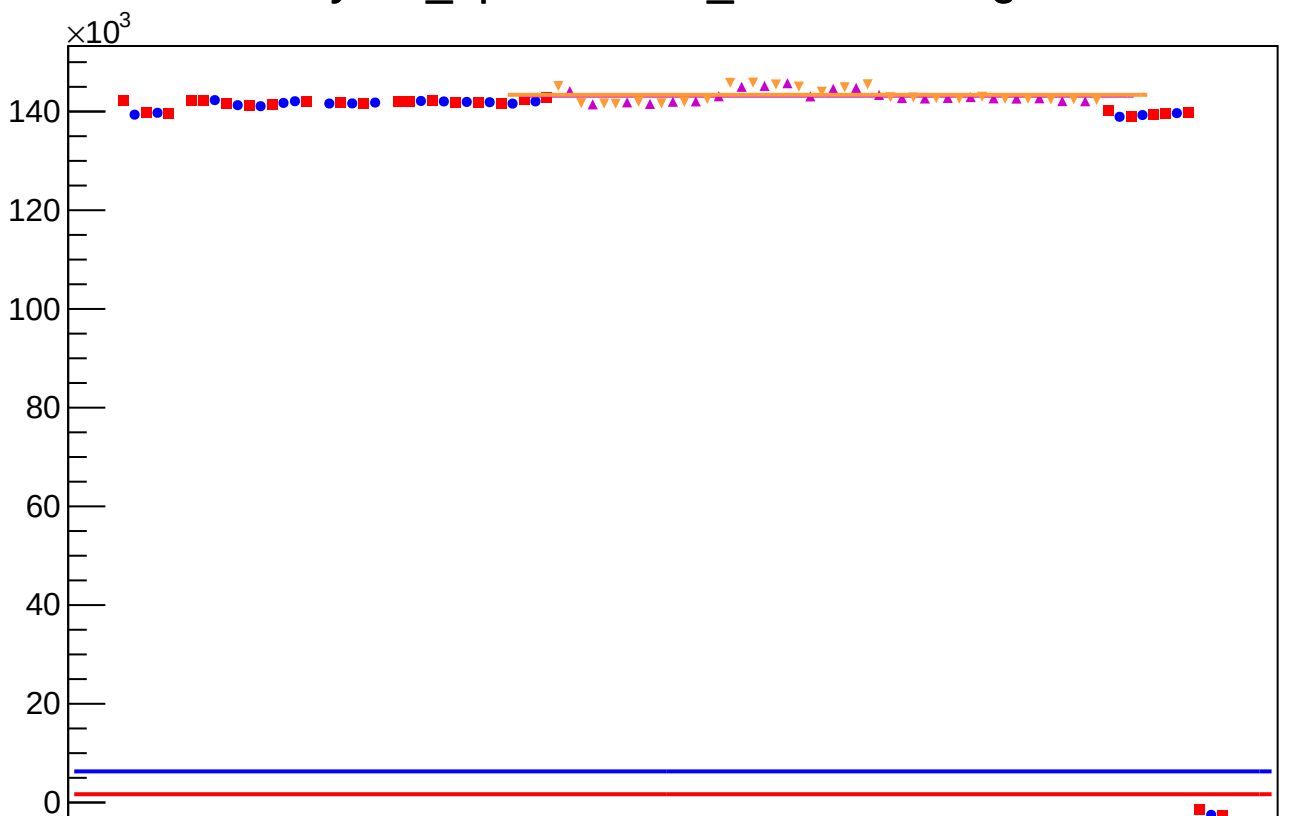
Right Out: 11.436+/-0.006 χ^2/NDF: 17777362.2/25

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 21.818+/-0.007 χ^2/NDF: 47513795.8/44

All: 18.153+/-0.004 χ^2/NDF: 97503295.2/93

- sign 15.936+/-0.006 χ^2/NDF: 49558897.2/48



Right In: 6302.856+/-0.016 χ^2/NDF: 4651653638676.9/19

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 1675.602+/-0.010 χ^2/NDF: 5657233434594.7/25

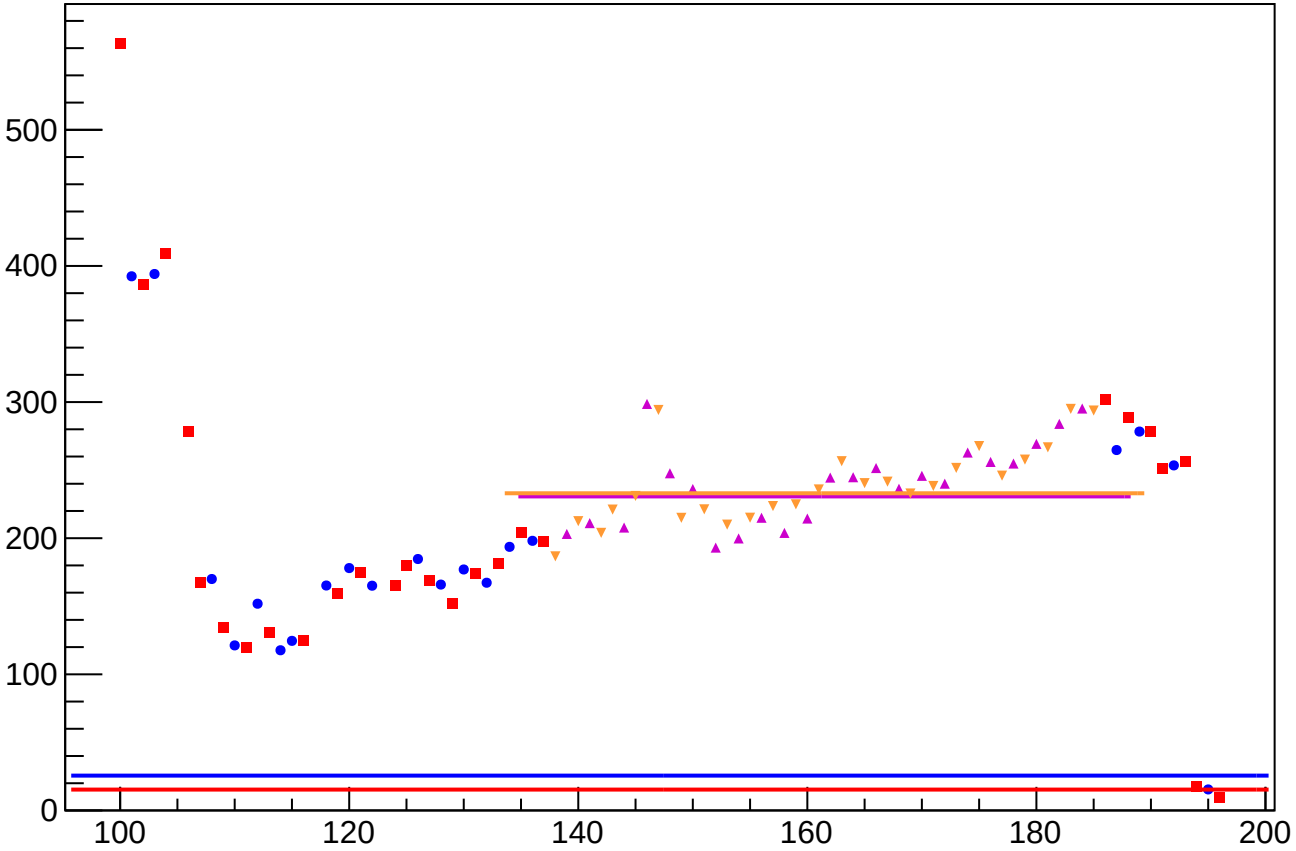
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 17487.914+/-0.015 χ^2/NDF: 106409597081

All: 9720.595+/-0.008 χ^2/NDF: 2310671354

- sign 6403.618+/-0.010 χ^2/NDF: 12099621226042

yield_bpm0l09WS_rms vs Slug



Right In: 25.594+/-0.011 χ^2/NDF: 13775405.6/19

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

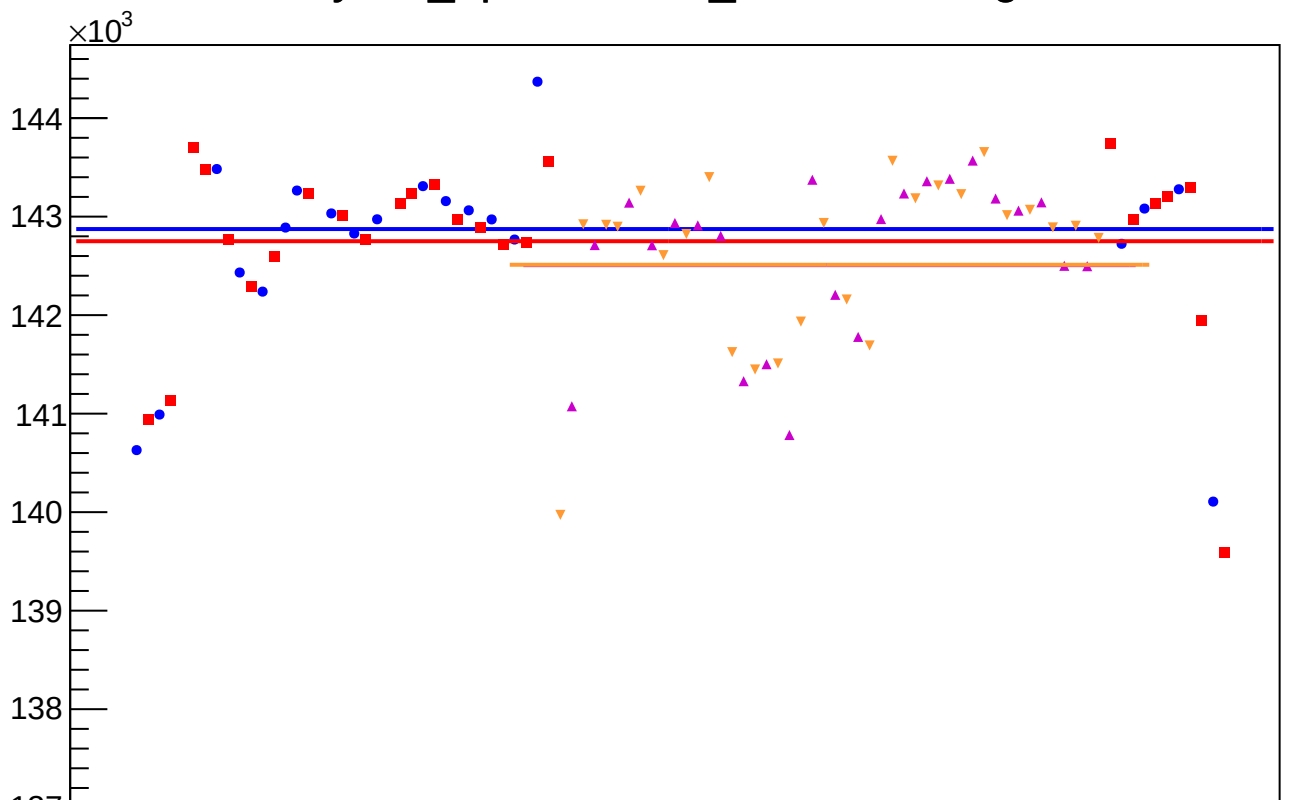
Right Out: 15.334+/-0.007 χ^2/NDF: 17346531.4/25

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 42.517+/-0.011 χ^2/NDF: 41640375.9/44

All: 28.509+/-0.006 χ^2/NDF: 91704881.5/93

- sign 22.527+/-0.007 χ^2/NDF: 47682913.1/48



Right In: 142873.759+/-0.064 χ^2/NDF: 196234439.3/19

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142750.450+/-0.058 χ^2/NDF: 159165763.0/25

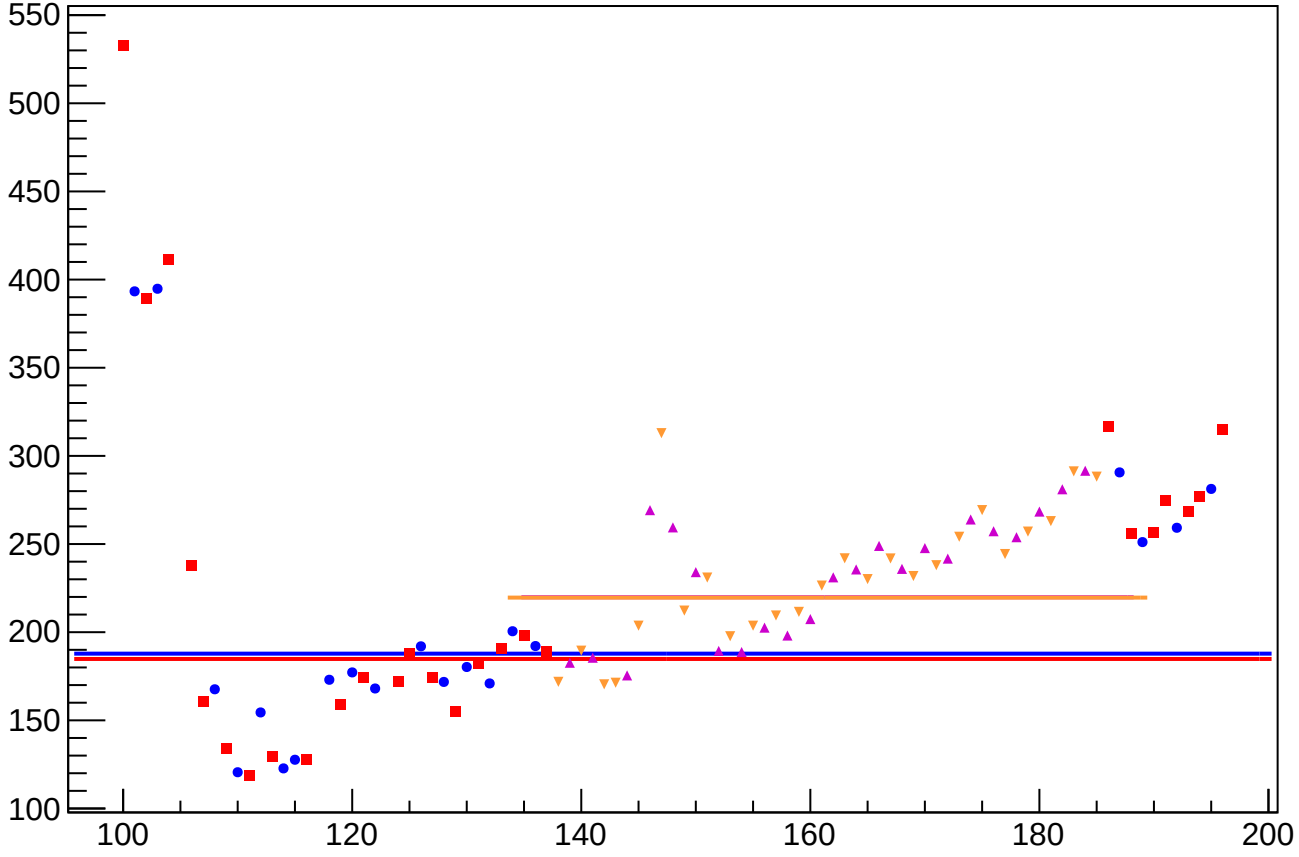
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142652.151+/-0.040 χ^2/NDF: 554011313.4/4

All: 142634.349+/-0.028 χ^2/NDF: 99255969

- sign 142617.456+/-0.039 χ^2/NDF: 438158545.8/4

yield_bpm0l10WS_rms vs Slug



Right In: 187.827+/-0.045 χ^2/NDF: 1573541.6/19

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

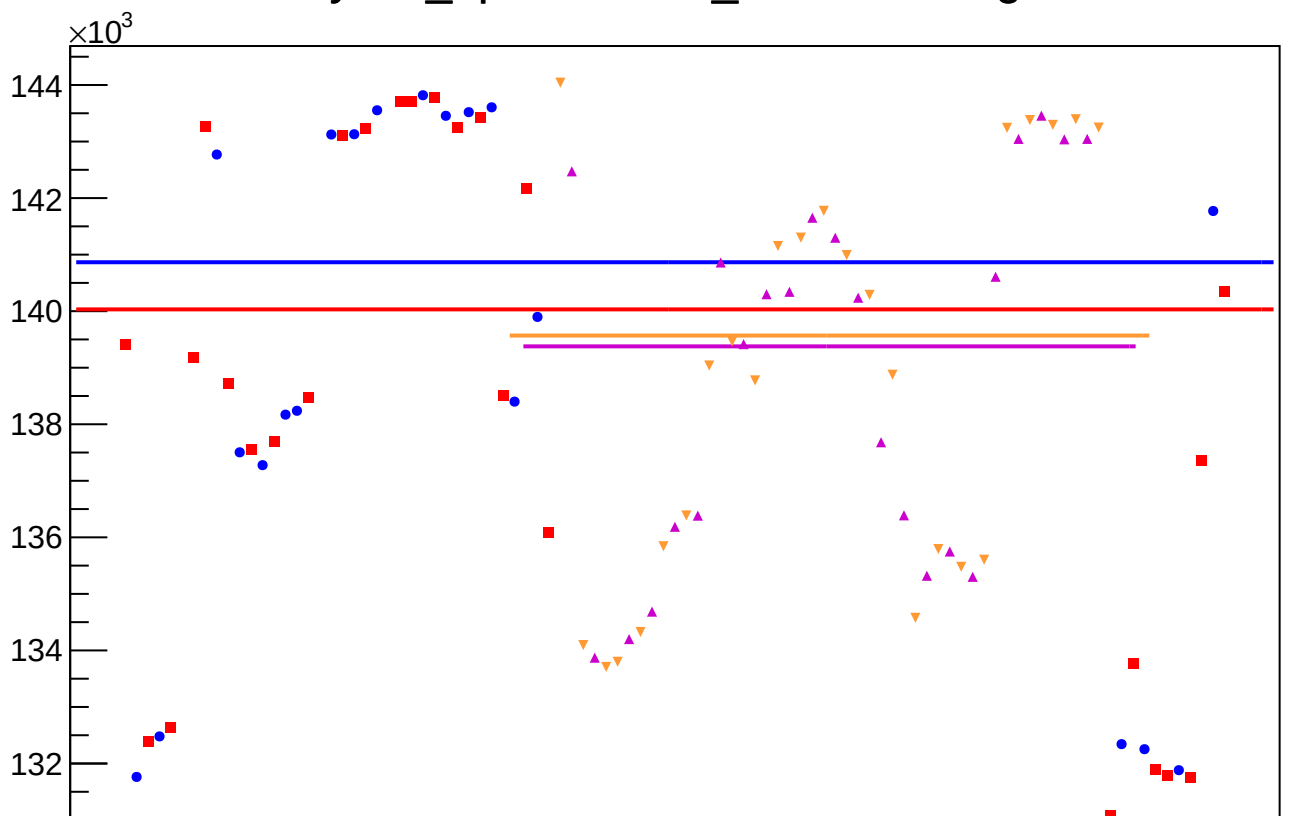
Right Out: 184.816+/-0.041 χ^2/NDF: 2511046.4/25

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 207.268+/-0.028 χ^2/NDF: 2778638.1/44

All: 205.581+/-0.020 χ^2/NDF: 6505816.6/93

- sign 203.979+/-0.027 χ^2/NDF: 3720170.7/48



Right In: 140865.372+/-0.092 χ^2/NDF: 1685320463.3/19

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140031.720+/-0.089 χ^2/NDF: 2035434242.9/25

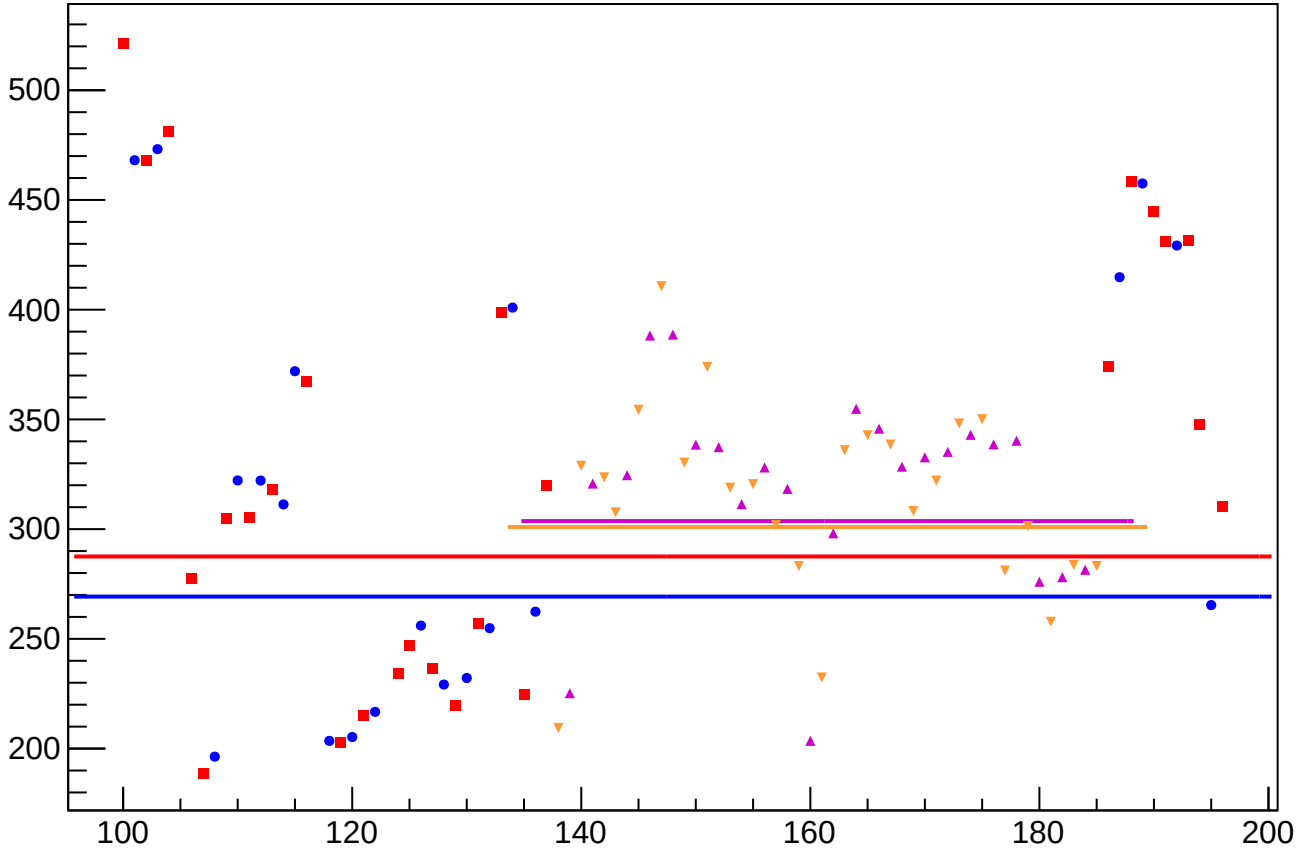
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140047.376+/-0.056 χ^2/NDF: 4398518586.5

All: 139847.066+/-0.040 χ^2/NDF: 8414107

- sign 139641.490+/-0.056 χ^2/NDF: 3989306802.2/

yield_bpm0r03WS_rms vs Slug



Right In: 269.252+/-0.065 χ^2/NDF: 1479002.9/19

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

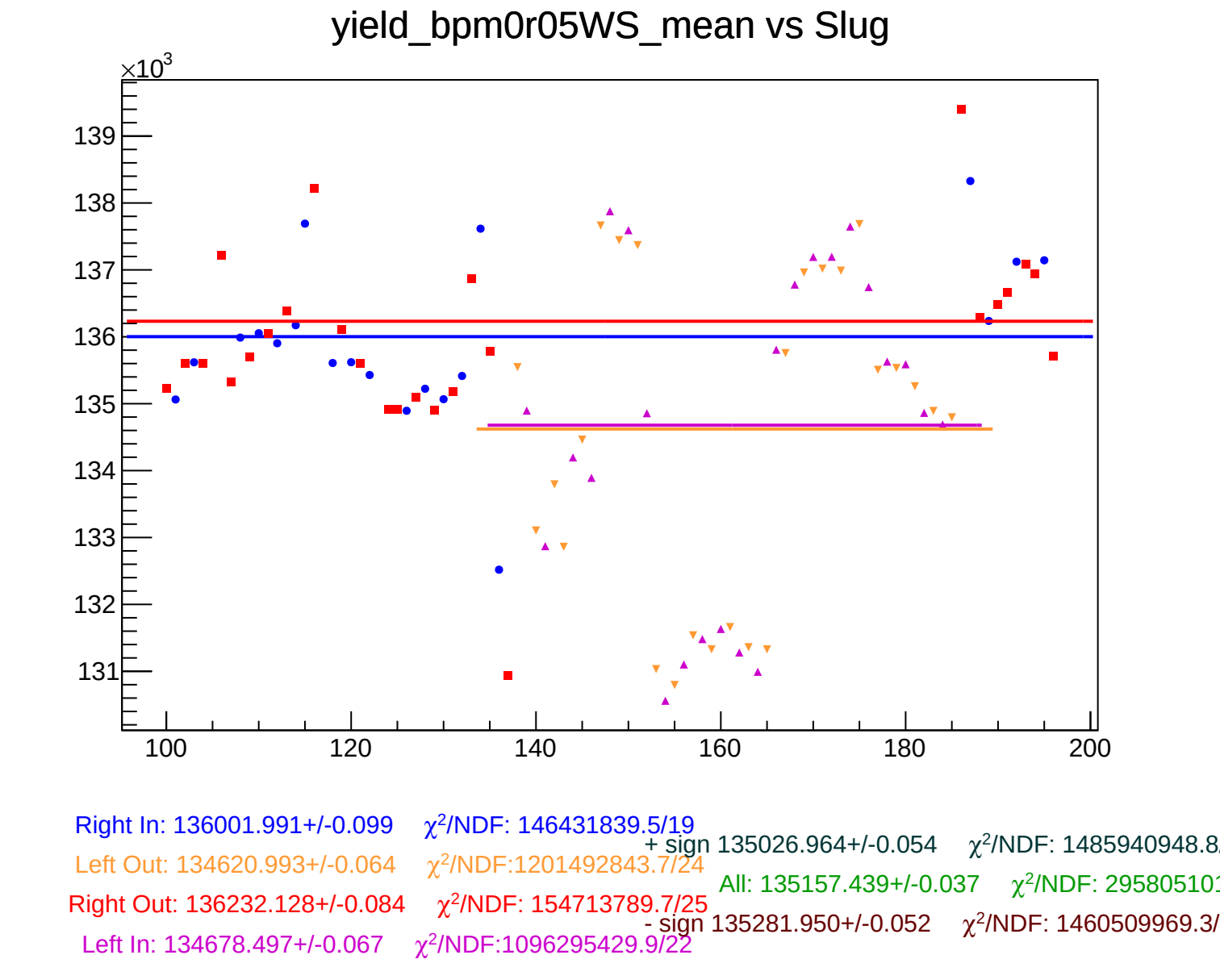
Right Out: 287.531+/-0.063 χ^2/NDF: 1808723.8/25

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

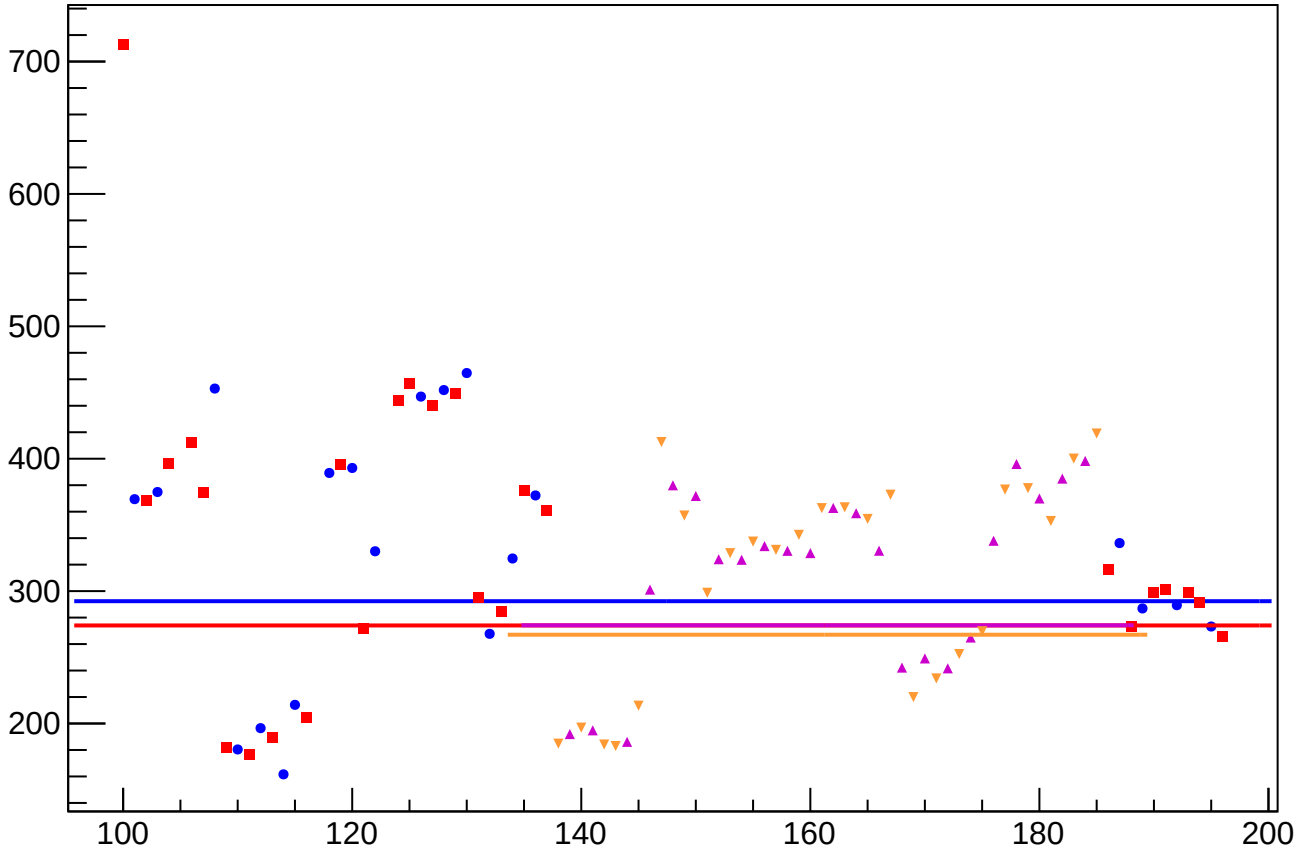
+ sign 289.258+/-0.039 χ^2/NDF: 2507298.1/44

All: 293.154+/-0.028 χ^2/NDF: 5351590.0/93

- sign 297.152+/-0.040 χ^2/NDF: 2824411.2/48


yield_bpm0r05WS_mean vs Slug
×10^3
139
138
137
136
135
134
133
132
131
100
120
140
160
180
200
Right In: 136001.991+/-0.099 χ²/NDF: 146431839.5/19
Left Out: 134620.993+/-0.064 χ²/NDF:1201492843.7/24
Right Out: 136232.128+/-0.084 χ²/NDF: 154713789.7/25
Left In: 134678.497+/-0.067 χ²/NDF:1096295429.9/22
+ sign 135026.964+/-0.054 χ²/NDF: 1485940948.8
All: 135157.439+/-0.037 χ²/NDF: 29580510
- sign 135281.950+/-0.052 χ²/NDF: 1460509969.3/

yield_bpm0r05WS_rms vs Slug



Right In: 292.385+/-0.070 χ^2/NDF: 1459081.5/19

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

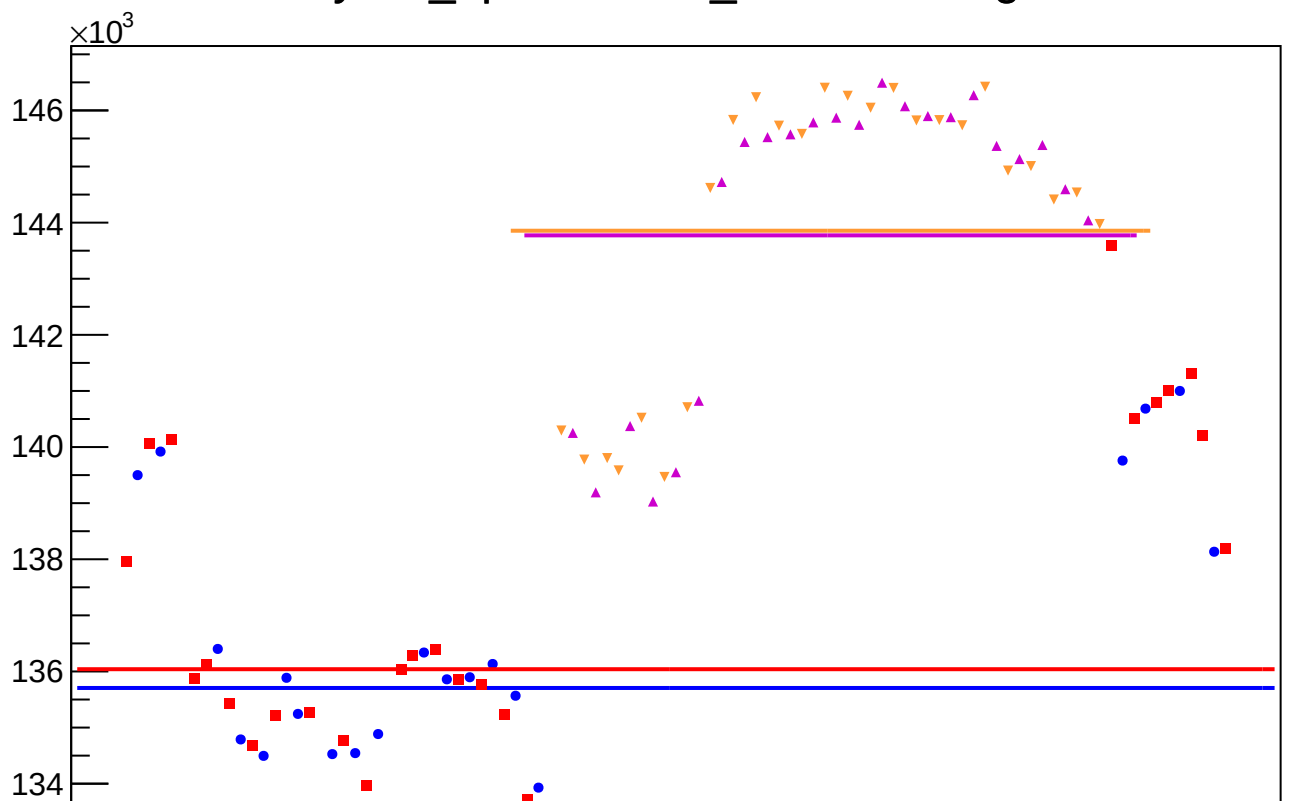
Right Out: 274.062+/-0.059 χ^2/NDF: 1728702.3/25

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 274.500+/-0.038 χ^2/NDF: 4395265.2/44

All: 274.312+/-0.026 χ^2/NDF: 8360773.2/93

- sign 274.132+/-0.037 χ^2/NDF: 3965459.8/48



Right In: 135705.890+/-0.052 χ^2/NDF: 1154847569.2/19

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136040.372+/-0.048 χ^2/NDF: 1955804110.8/25

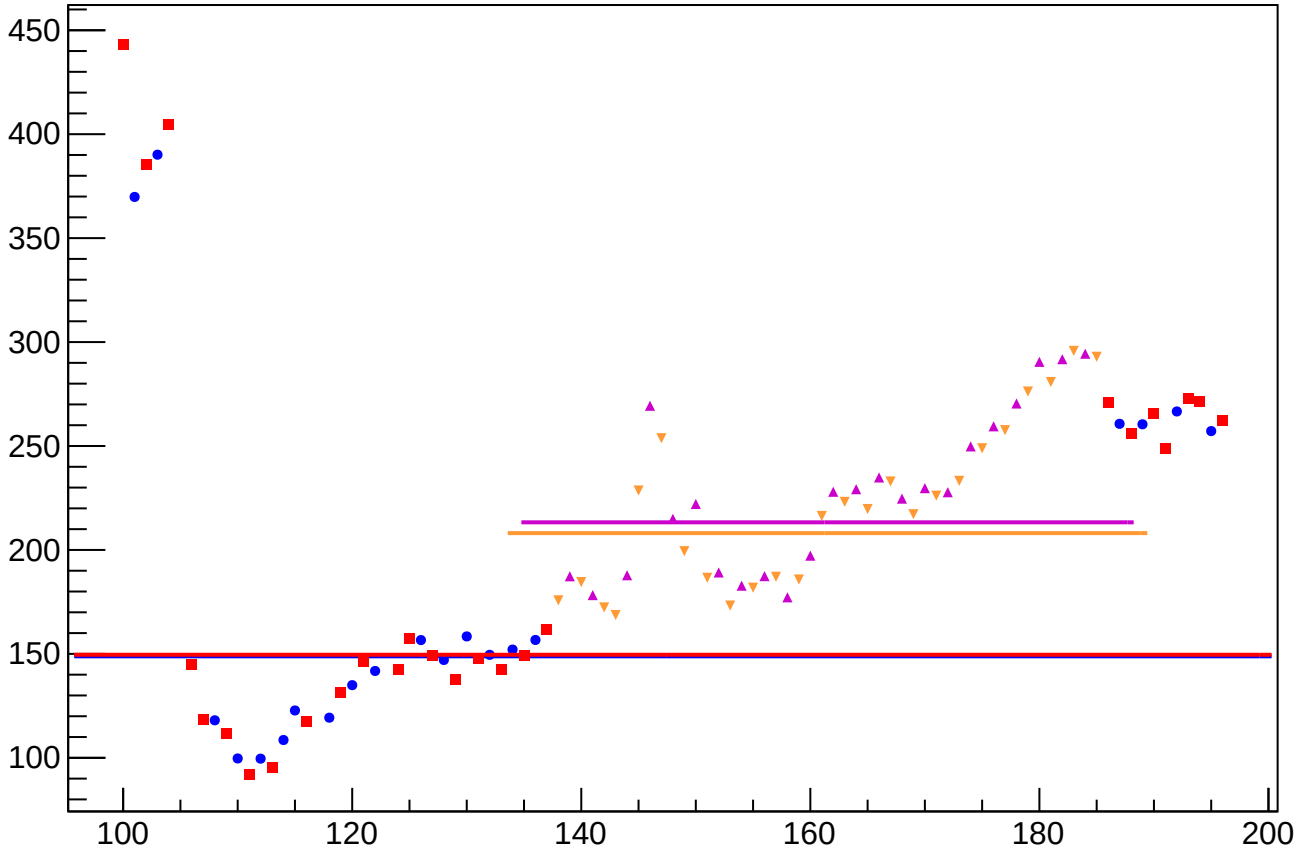
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140071.278+/-0.035 χ^2/NDF: 17487952320.

All: 139867.027+/-0.025 χ^2/NDF: 34554061

- sign 139668.454+/-0.035 χ^2/NDF: 17000357763.3

yield_bpm0i02WS_rms vs Slug



Right In: 148.828+/-0.037 χ^2/NDF: 2434901.0/19

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

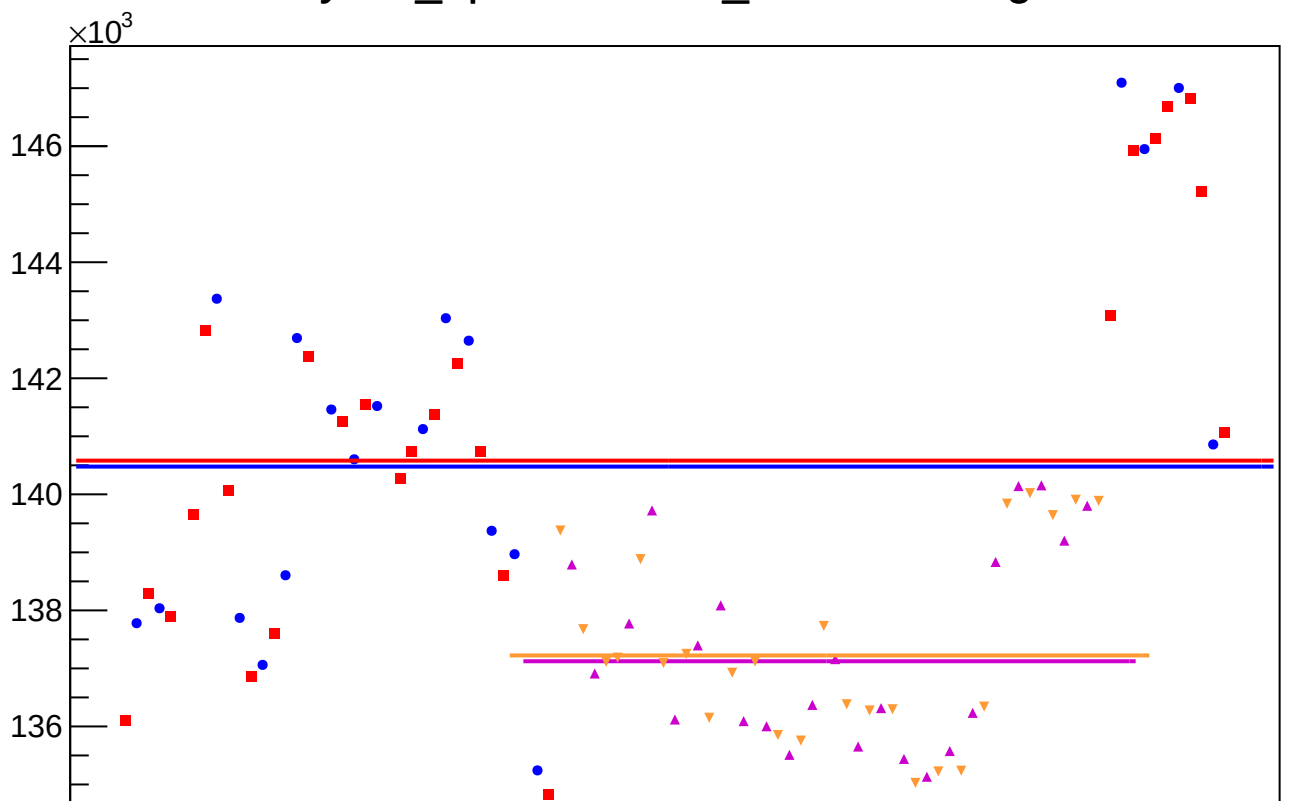
Right Out: 149.582+/-0.034 χ^2/NDF: 3472431.9/25

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 180.576+/-0.025 χ^2/NDF: 4824568.9/44

All: 180.016+/-0.018 χ^2/NDF: 10825183.6/93

- sign 179.472+/-0.025 χ^2/NDF: 5999626.5/48



Right In: 140478.150+/-0.058 χ^2/NDF: 2792186694.1/19

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140581.074+/-0.054 χ^2/NDF: 3237707752.7/25

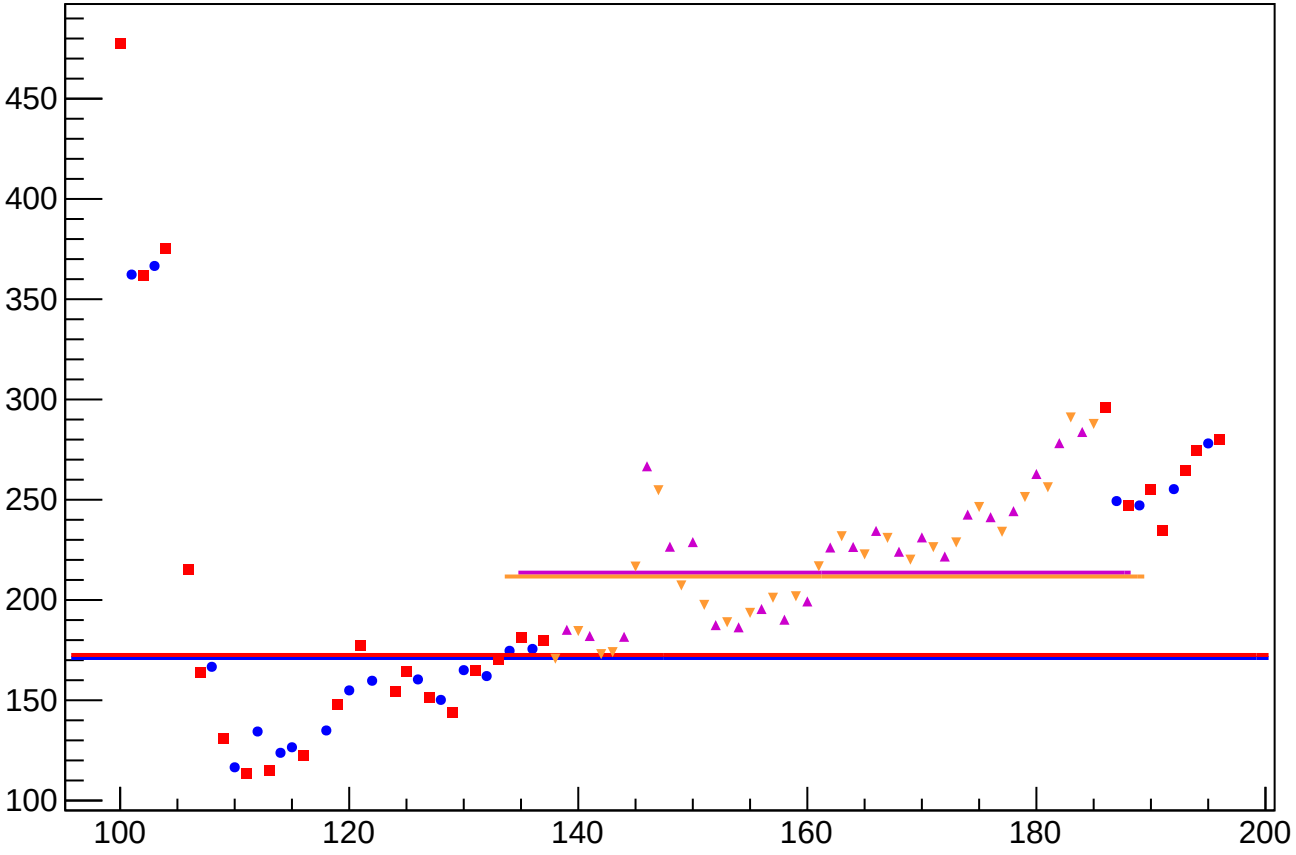
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138568.388+/-0.038 χ^2/NDF: 5506016897.6

All: 138660.709+/-0.026 χ^2/NDF: 11786804

- sign 138750.446+/-0.037 χ^2/NDF: 6268880776.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 171.085+/-0.041 χ^2/NDF: 1704113.4/19

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

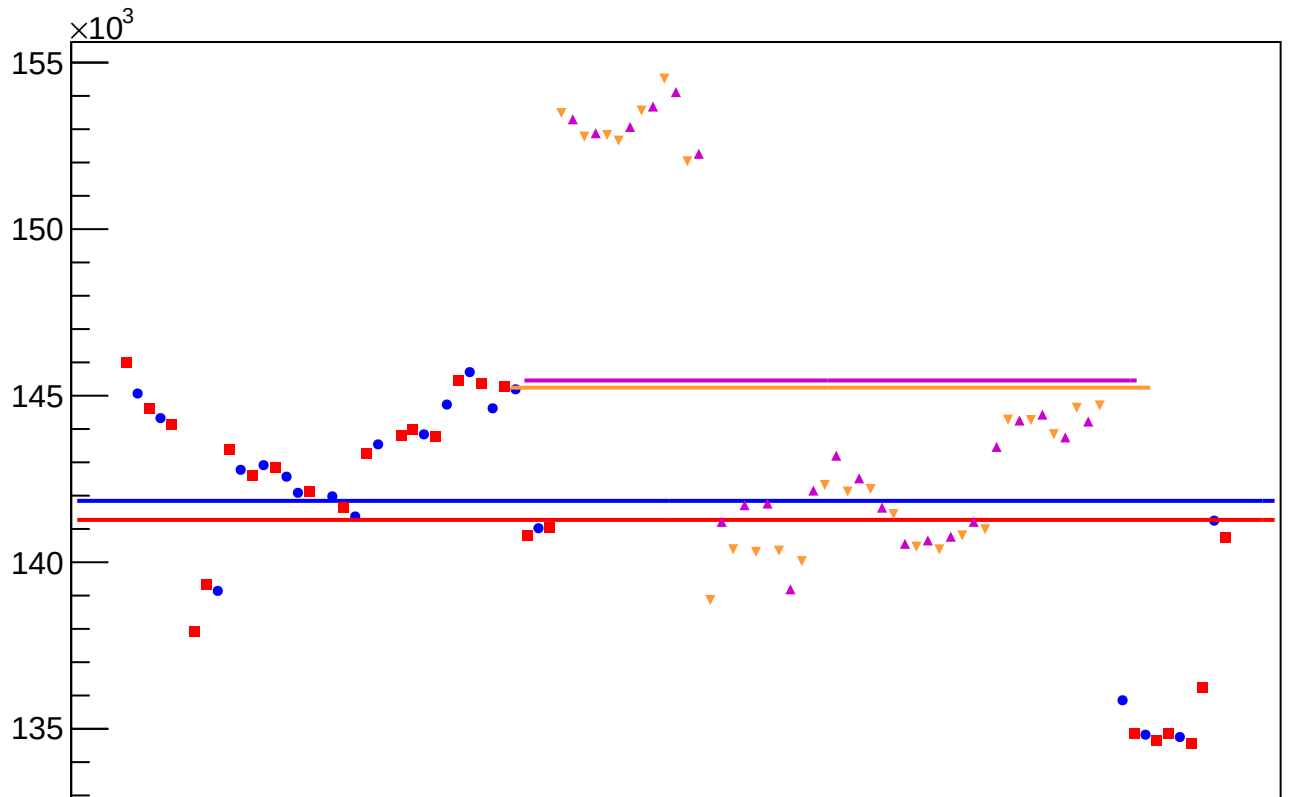
Right Out: 172.589+/-0.038 χ^2/NDF: 2548310.8/25

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

\+ sign 194.926+/-0.027 χ^2/NDF: 2946759.7/44

All: 194.621+/-0.019 χ^2/NDF: 6728641.8/93

\- sign 194.324+/-0.026 χ^2/NDF: 3781621.7/48



Right In: 141843.310+/-0.060 χ^2/NDF: 2667624249.8/19

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

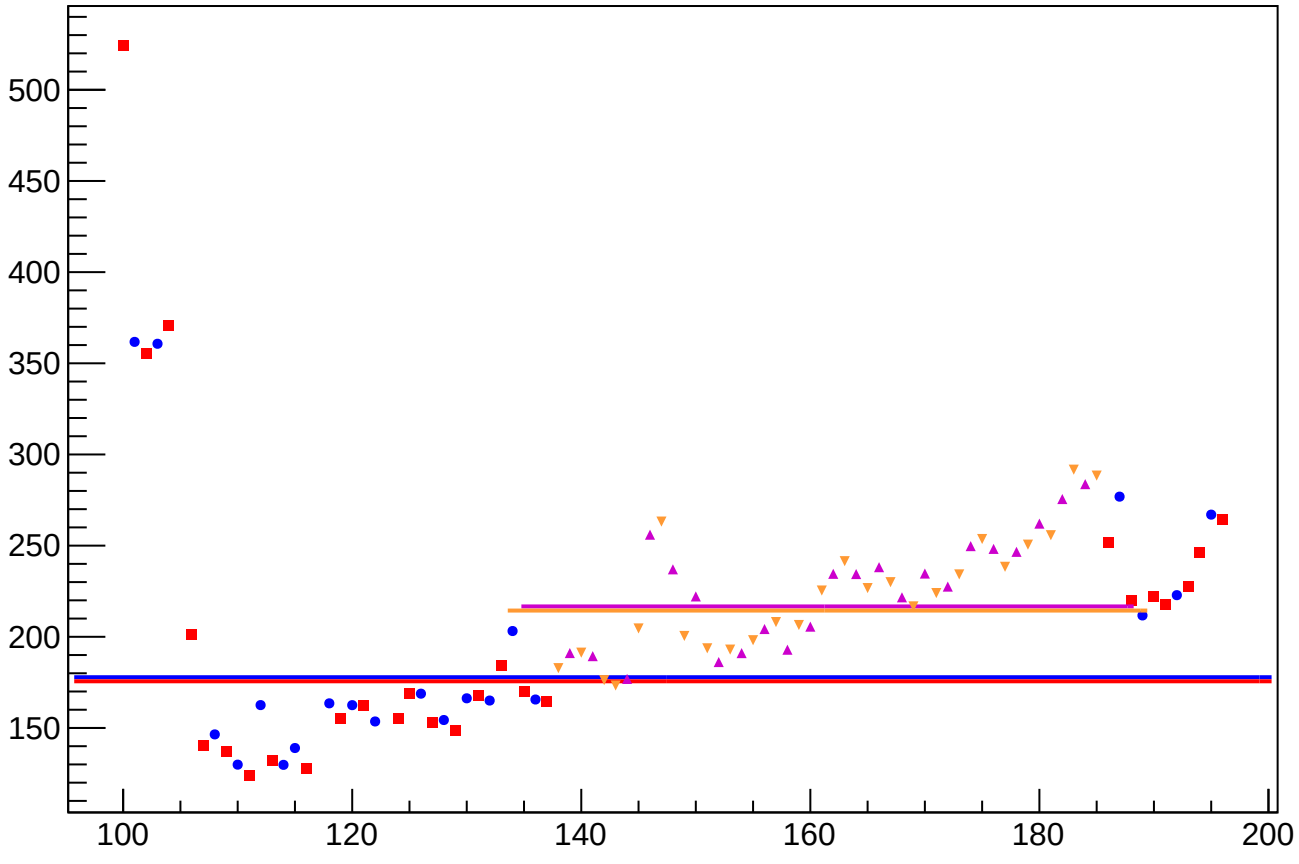
Right Out: 141272.023+/-0.054 χ^2/NDF: 4361728624.8/25

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143862.573+/-0.038 χ^2/NDF: 17605327578.

All: 143656.612+/-0.027 χ^2/NDF: 3623626

- sign 143460.690+/-0.037 χ^2/NDF: 18574352630.



Right In: 177.833+/-0.042 χ^2/NDF: 1266634.9/19

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 175.599+/-0.038 χ^2/NDF: 1793371.3/25

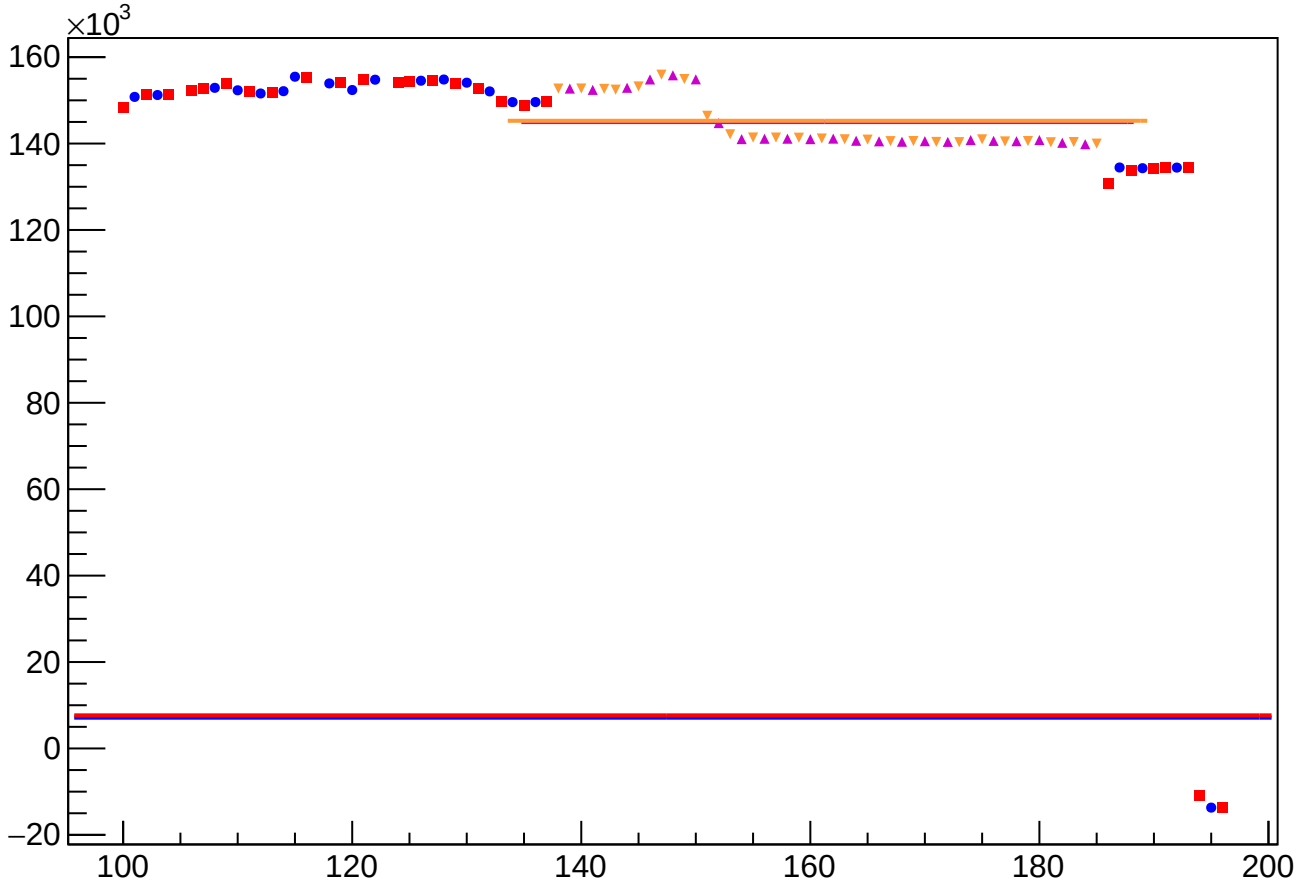
Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 199.551+/-0.027 χ^2/NDF: 2350706.2/44

All: 198.280+/-0.019 χ^2/NDF: 5339943.6/93

- sign 197.072+/-0.026 χ^2/NDF: 2984929.9/48

yield_bpm0i07WS_mean vs Slug



Right In: 7123.584+/-0.024 χ^2/NDF: 5218569965159.4/19

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 7662.098+/-0.021 χ^2/NDF: 6333931819673.5/25

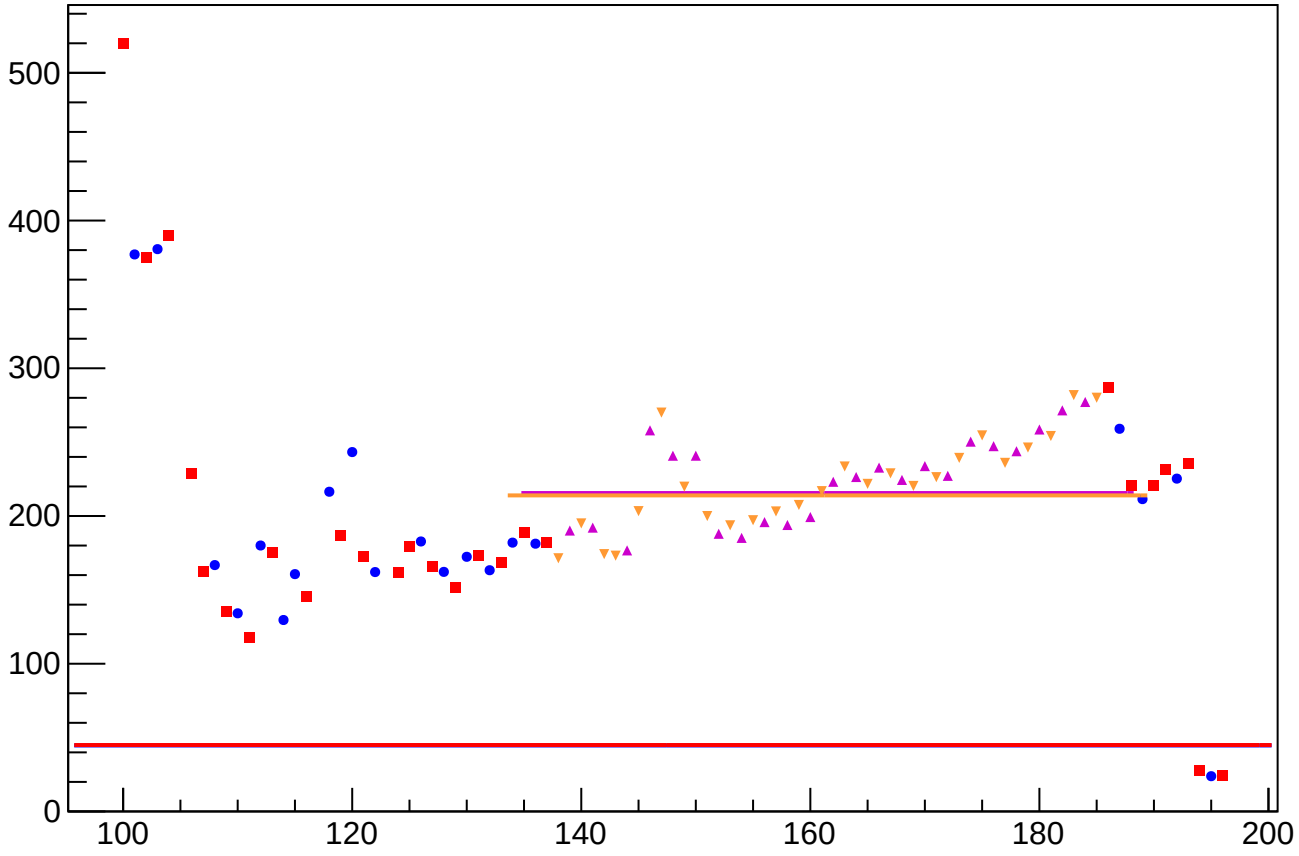
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 33304.663+/-0.022 χ^2/NDF: 1157370712144

All: 30544.712+/-0.015 χ^2/NDF: 240660151

- sign 28202.845+/-0.020 χ^2/NDF: 1246184712025

yield_bpm0i07WS_rms vs Slug



Right In: 44.678+/-0.017 χ^2/NDF: 11424516.6/19

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

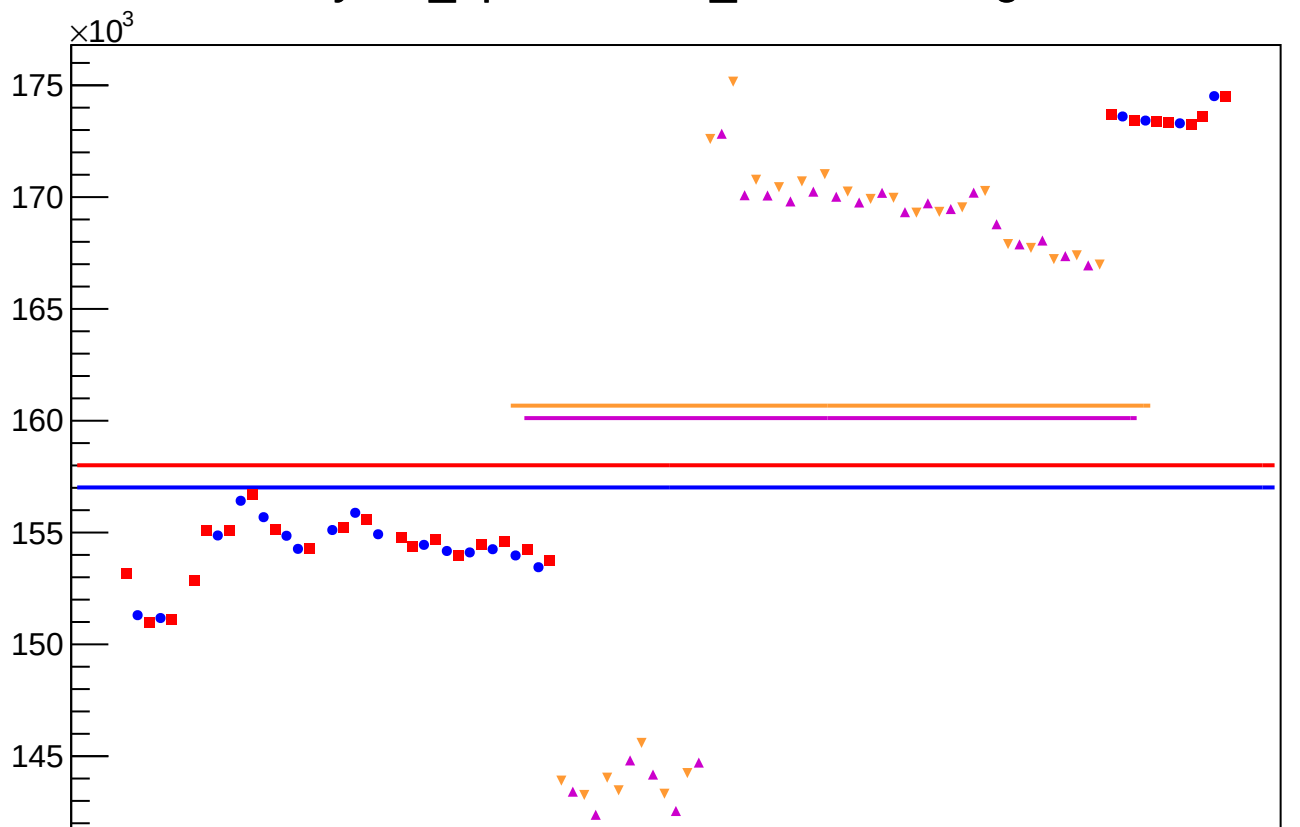
Right Out: 44.958+/-0.015 χ^2/NDF: 12913476.7/25

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 76.759+/-0.015 χ^2/NDF: 31117121.3/44

All: 73.360+/-0.010 χ^2/NDF: 63599115.5/93

- sign 70.477+/-0.014 χ^2/NDF: 32389636.6/48



Right In: 157016.900+/-0.061 χ^2/NDF: 10504628836.6/19

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158008.539+/-0.056 χ^2/NDF: 16537406835.2/25

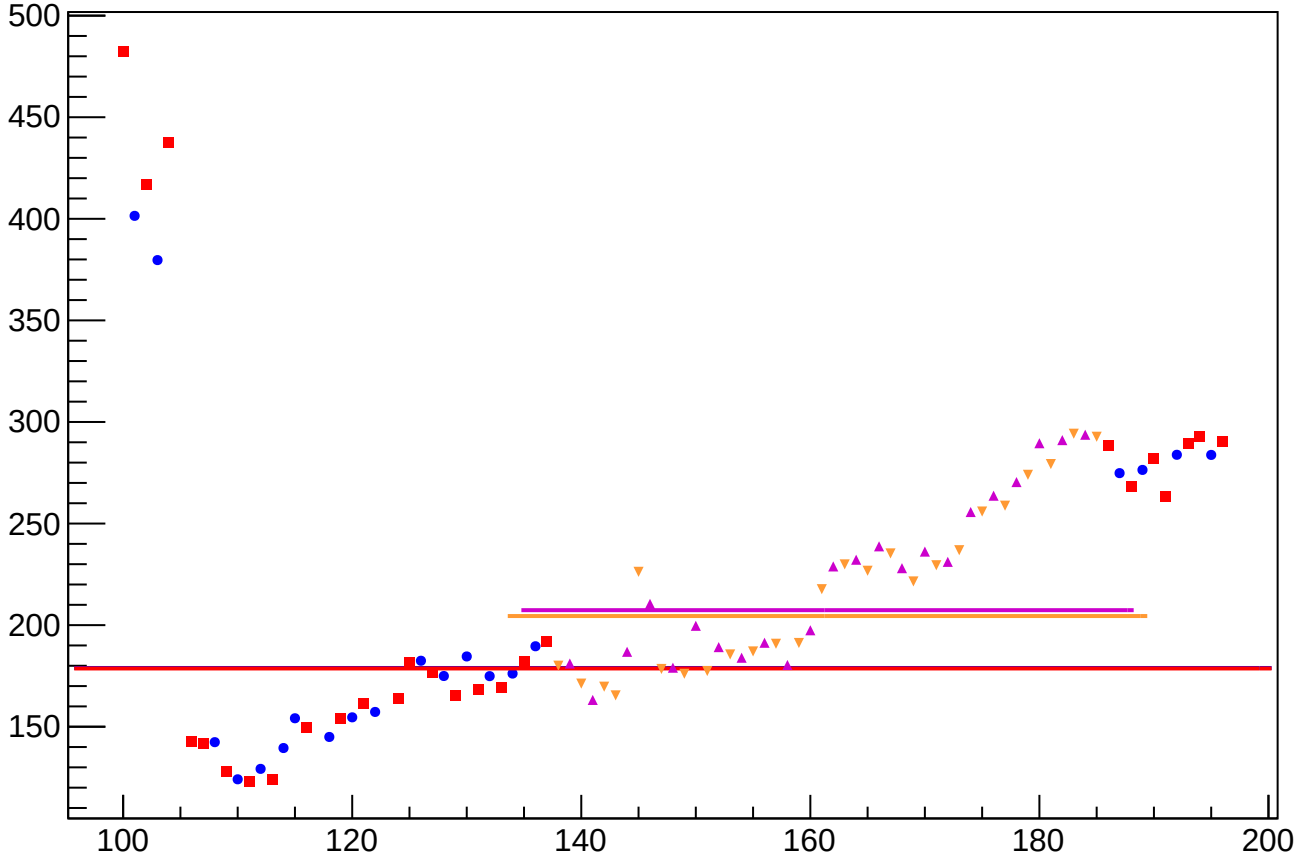
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159302.385+/-0.037 χ^2/NDF: 86895011783.

All: 159244.061+/-0.026 χ^2/NDF: 17079422

- sign 159187.371+/-0.037 χ^2/NDF: 83894432364.

yield_bpm1i02WS_rms vs Slug



Right In: 178.908+/-0.043 χ^2/NDF: 1841905.7/19

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

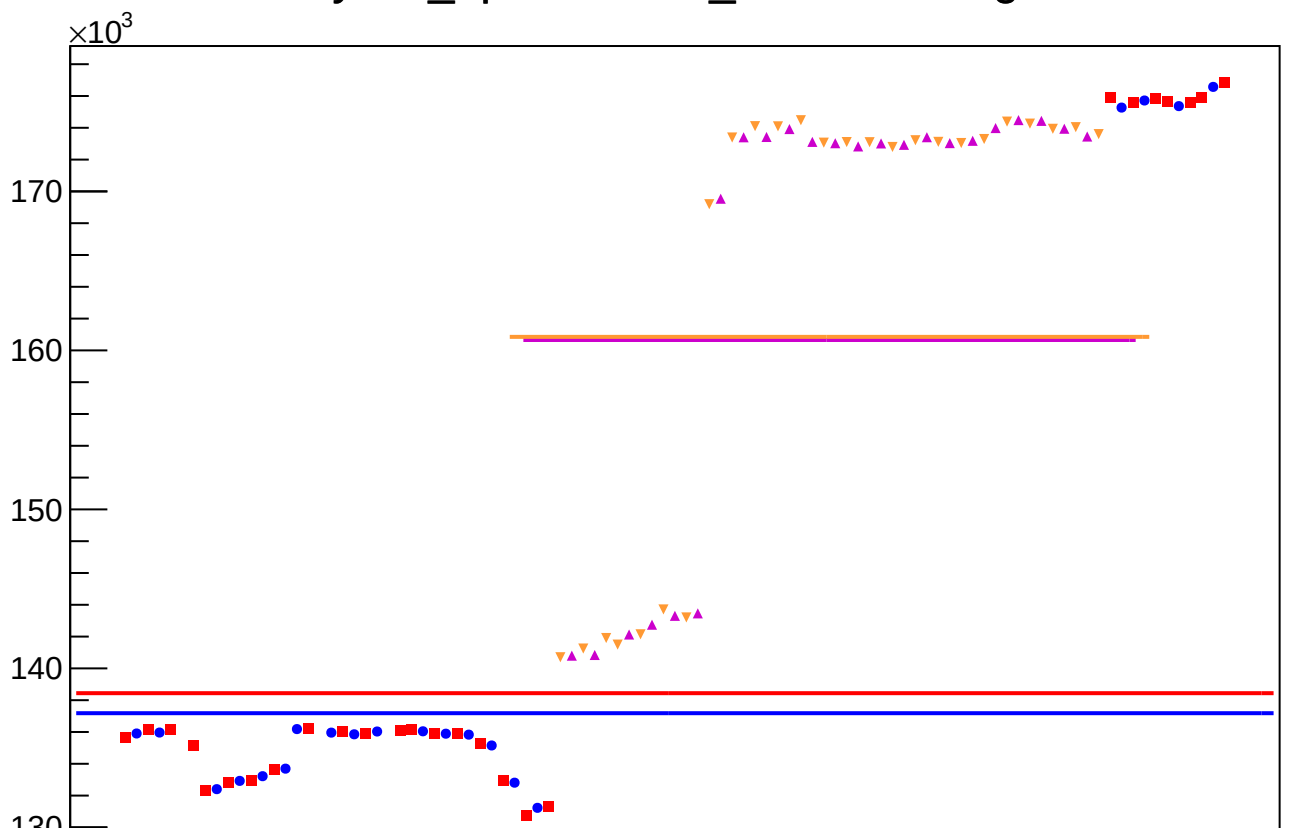
Right Out: 178.678+/-0.039 χ^2/NDF: 2706807.7/25

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 194.883+/-0.026 χ^2/NDF: 3133523.9/44

All: 194.798+/-0.019 χ^2/NDF: 7094534.4/93

- sign 194.715+/-0.026 χ^2/NDF: 3960990.1/48



Right In: 137181.916+/-0.049 χ^2/NDF: 47918055207.9/19

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 138440.832+/-0.045 χ^2/NDF: 78174306001.7/25

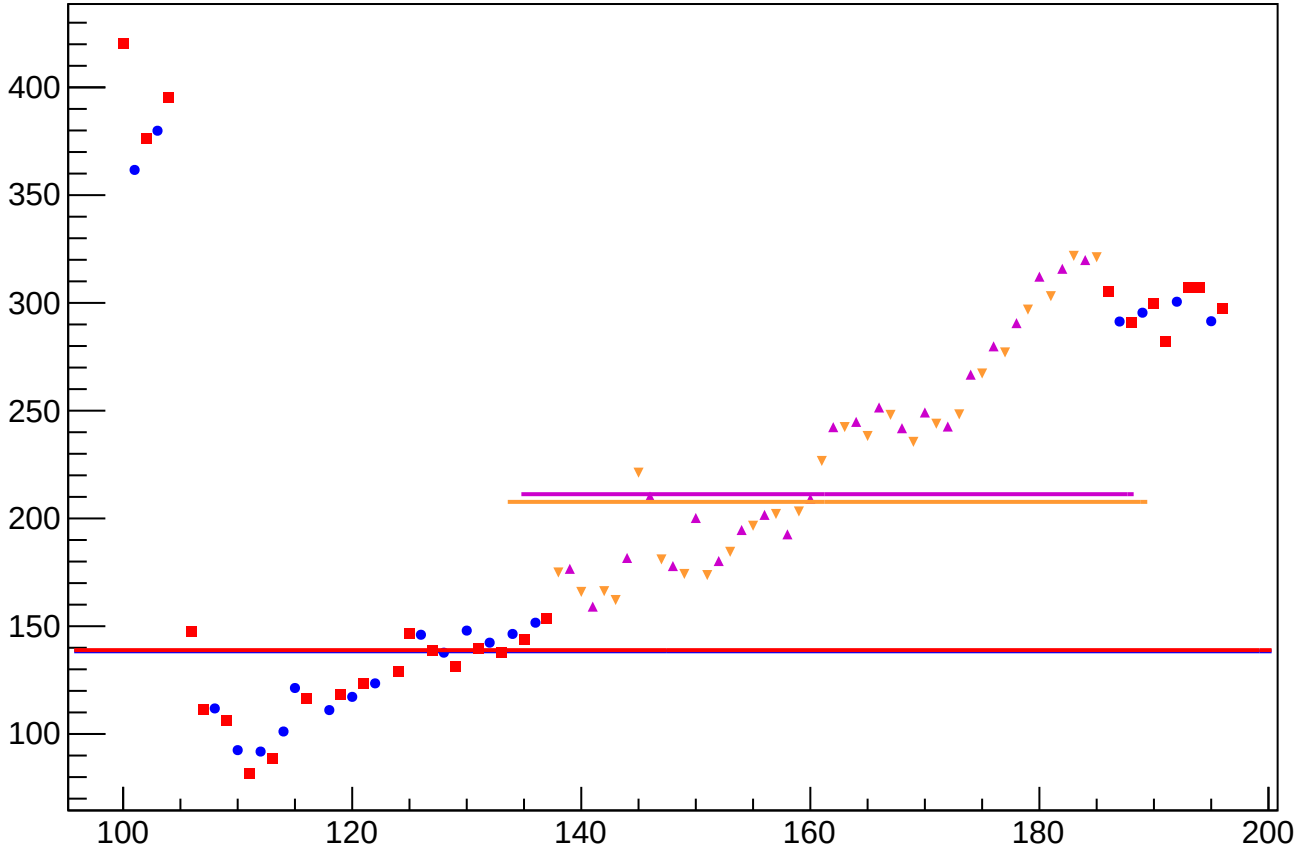
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149159.196+/-0.034 χ^2/NDF: 26511174040

All: 148753.618+/-0.024 χ^2/NDF: 5403189

- sign 148362.709+/-0.034 χ^2/NDF: 274934979355

yield_bpm1i04WS_rms vs Slug



Right In: 138.370+/-0.035 χ^2/NDF: 3025633.0/19

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

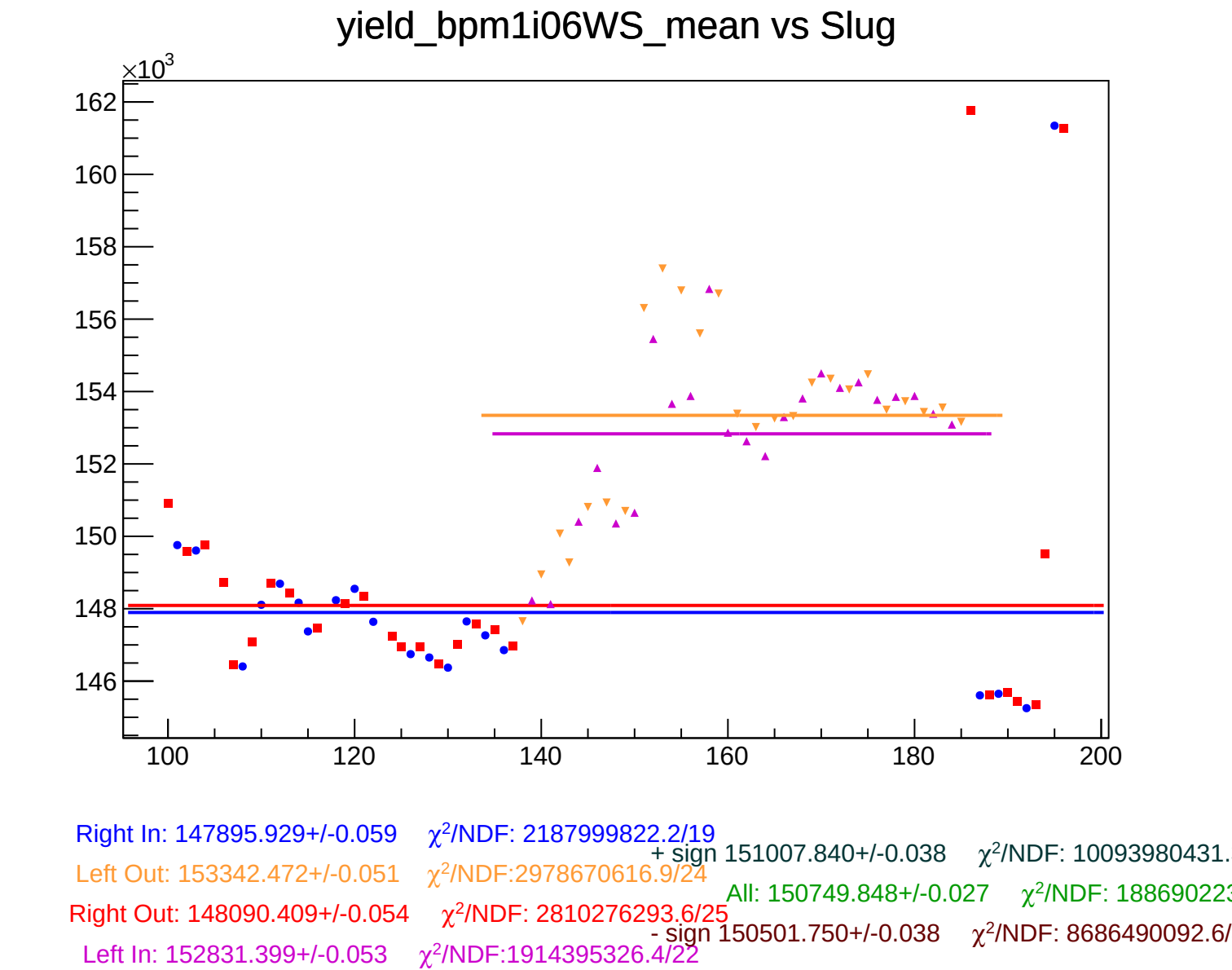
Right Out: 138.900+/-0.032 χ^2/NDF: 4460113.9/25

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

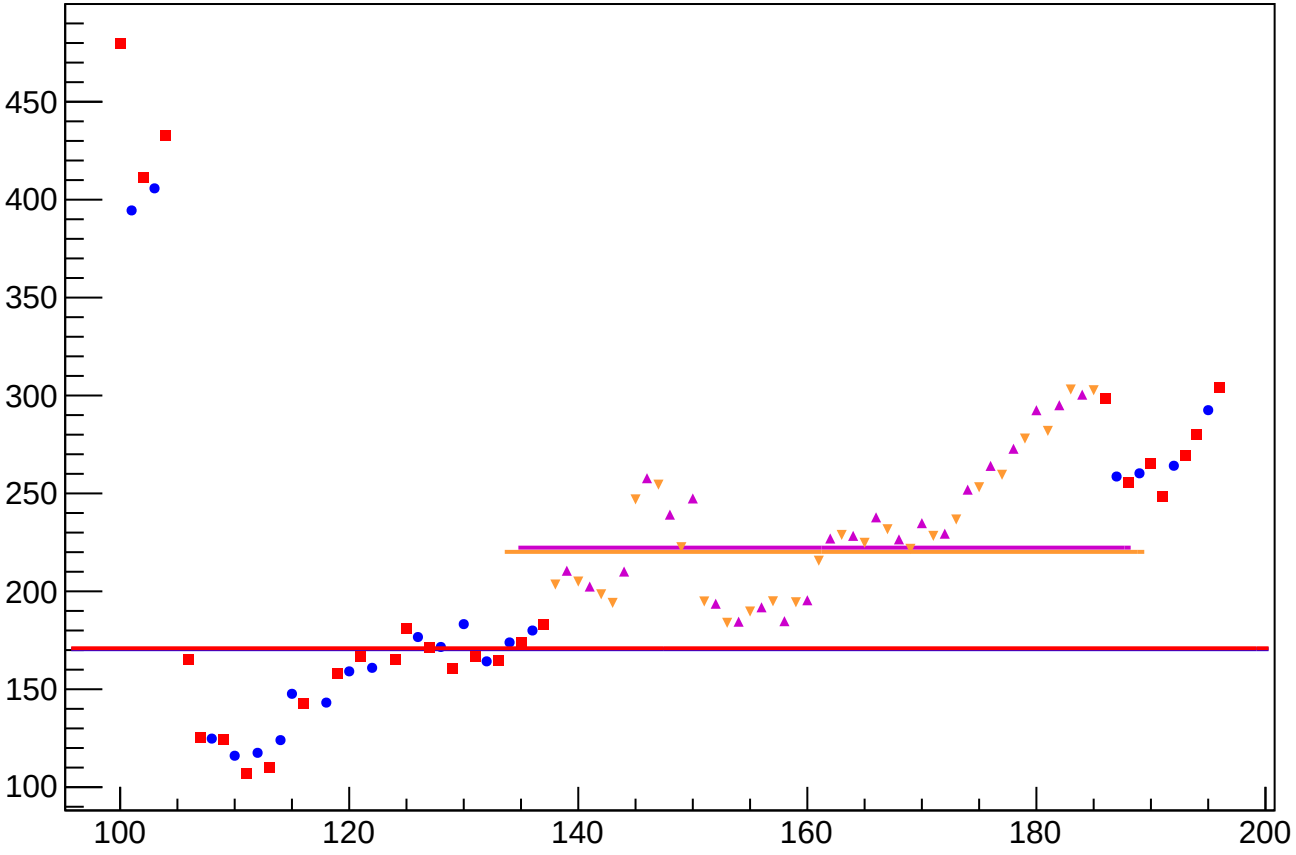
+ sign 173.447+/-0.024 χ^2/NDF: 6550407.1/44

All: 172.312+/-0.017 χ^2/NDF: 14582717.5/93

- sign 171.218+/-0.024 χ^2/NDF: 8028046.6/48


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 147895.929+/-0.059 χ²/NDF: 2187999822.2/19
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 148090.409+/-0.054 χ²/NDF: 2810276293.6/25
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151007.840+/-0.038 χ²/NDF: 10093980431.
All: 150749.848+/-0.027 χ²/NDF: 18869022
- sign 150501.750+/-0.038 χ²/NDF: 8686490092.6/

yield_bpm1i06WS_rms vs Slug



Right In: 170.472+/-0.041 χ^2/NDF: 2071248.6/19

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

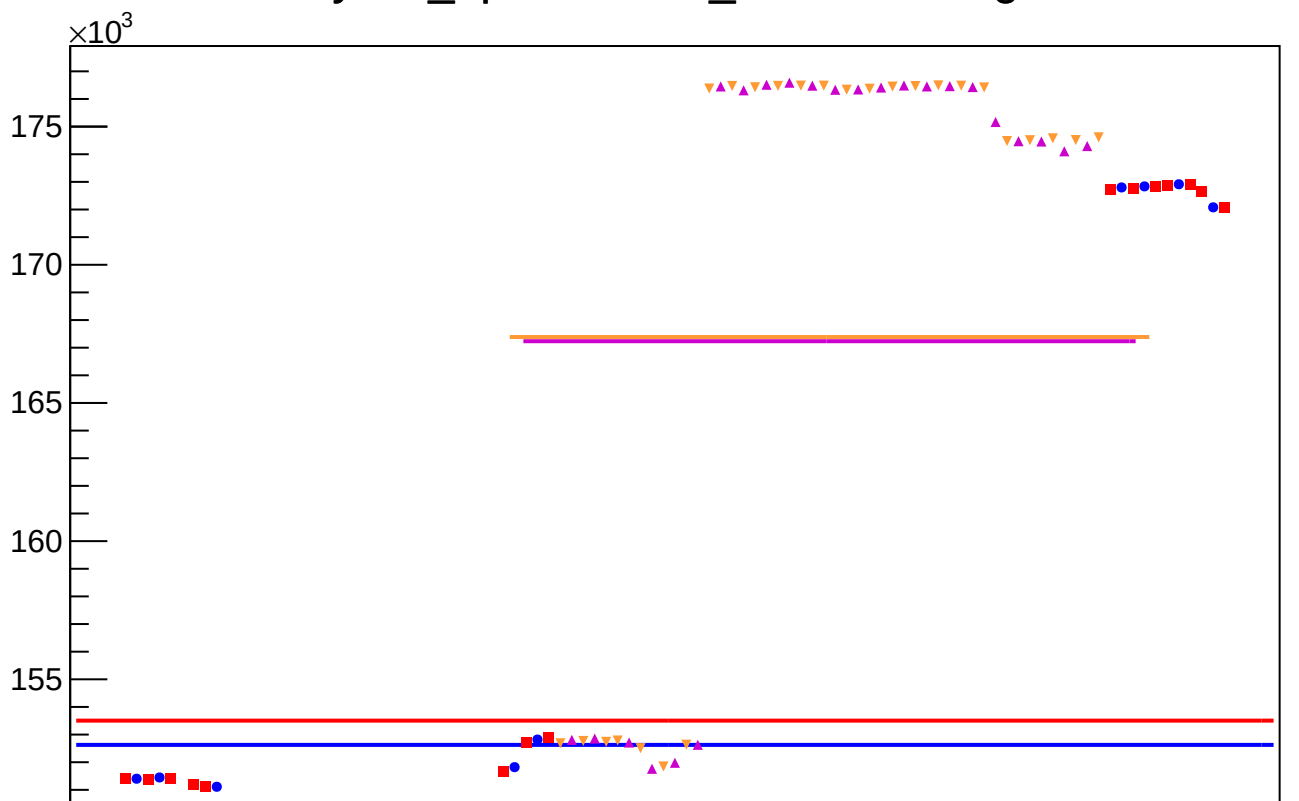
Right Out: 170.909+/-0.038 χ^2/NDF: 2981796.3/25

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 198.859+/-0.027 χ^2/NDF: 3576858.2/44

All: 197.937+/-0.019 χ^2/NDF: 8189695.1/93

- sign 197.050+/-0.027 χ^2/NDF: 4610572.6/48



Right In: 152627.183+/-0.052 χ^2/NDF: 15452838321.9/19

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153505.077+/-0.047 χ^2/NDF: 25220624018.5/25

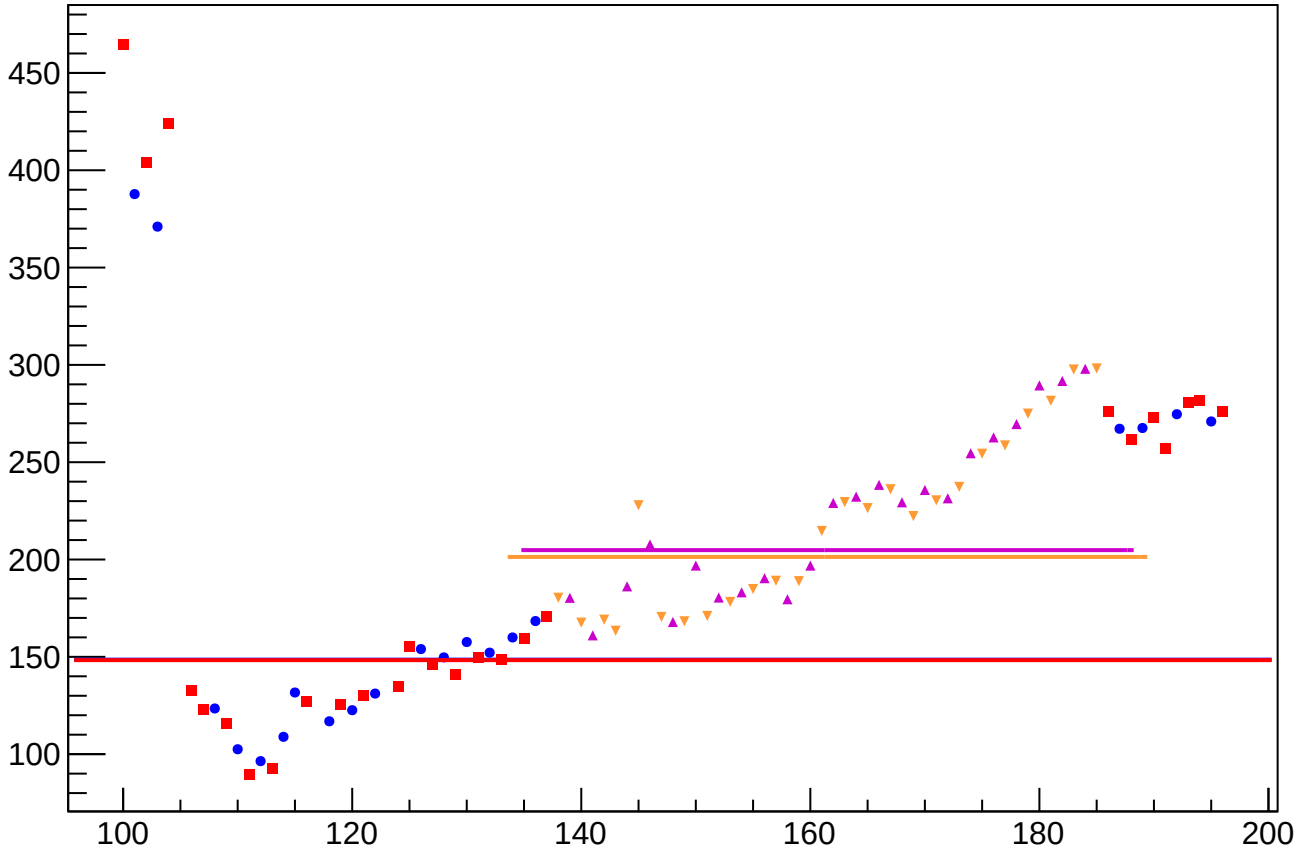
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160791.102+/-0.035 χ^2/NDF: 119618260004

All: 160473.801+/-0.024 χ^2/NDF: 240713971

- sign 160169.314+/-0.034 χ^2/NDF: 120932400750

yield_bpm2i01WS_rms vs Slug



Right In: 148.546+/-0.037 χ^2/NDF: 2565703.2/19

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

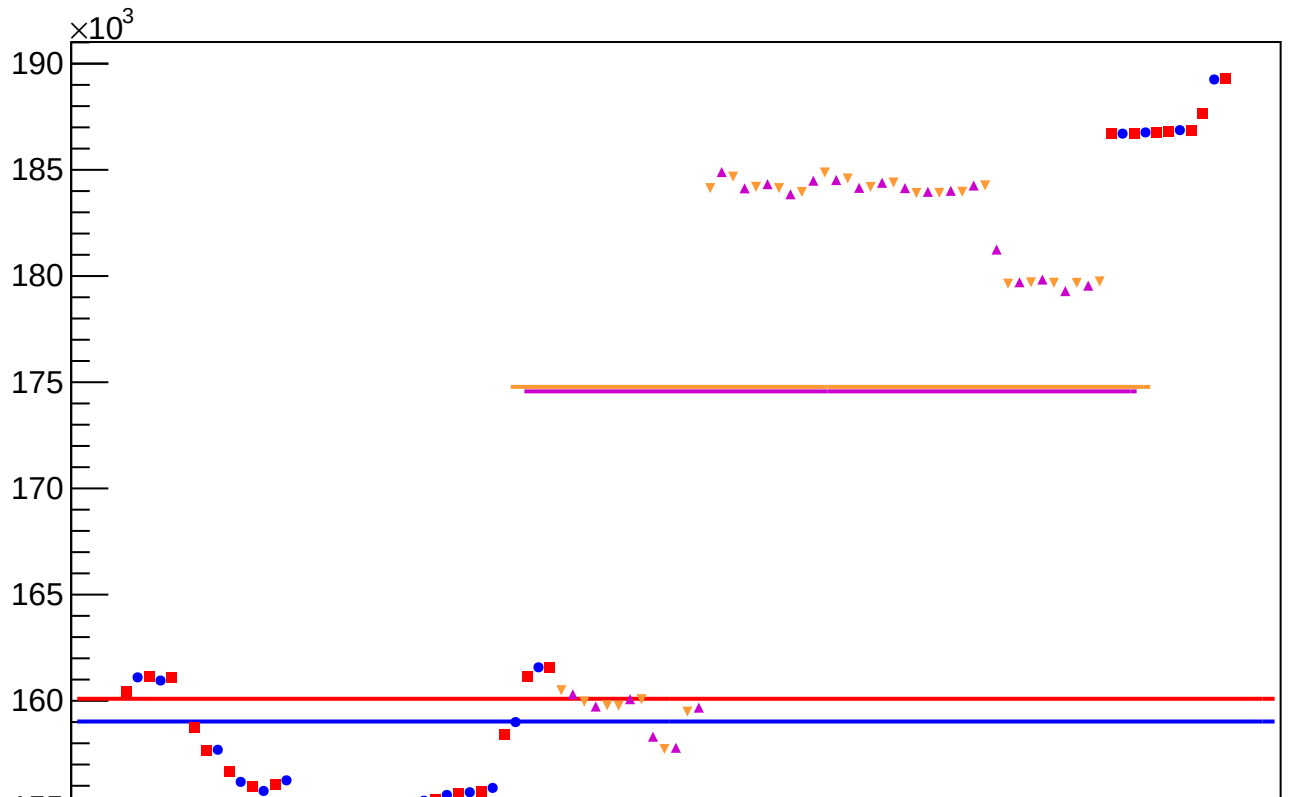
Right Out: 148.308+/-0.034 χ^2/NDF: 3746920.9/25

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 177.744+/-0.025 χ^2/NDF: 4936368.6/44

All: 176.722+/-0.017 χ^2/NDF: 11116320.2/93

- sign 175.742+/-0.024 χ^2/NDF: 6176565.7/48



Right In: 159025.709+/-0.054 χ^2/NDF: 25926027990.9/19

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160095.896+/-0.050 χ^2/NDF: 40975238178.7/25

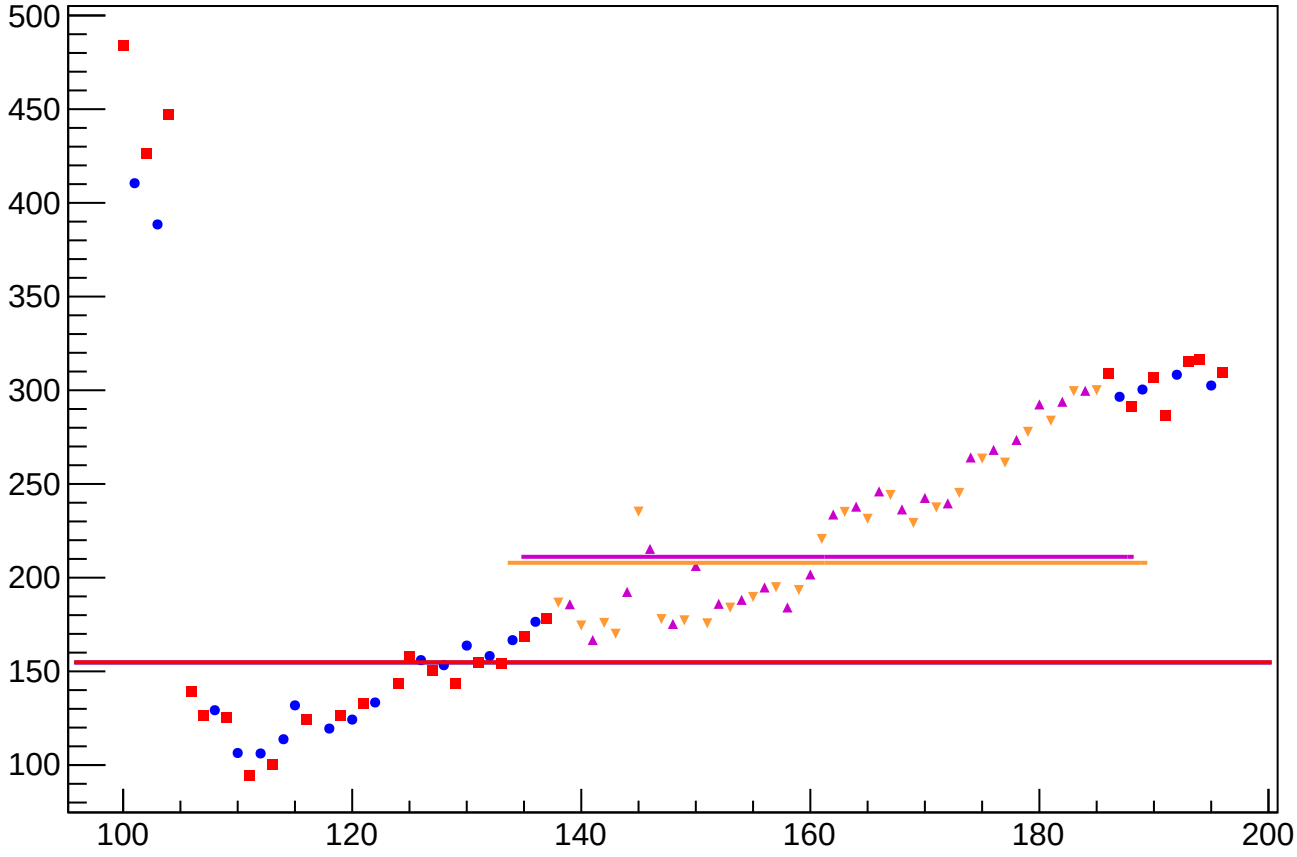
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167856.958+/-0.036 χ^2/NDF: 131000037555

All: 167558.640+/-0.025 χ^2/NDF: 26856487

- sign 167270.997+/-0.035 χ^2/NDF: 137430636020

yield_bpm2i02WS_rms vs Slug



Right In: 154.731+/-0.038 χ^2/NDF: 2726076.9/19

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 154.839+/-0.035 χ^2/NDF: 4023353.8/25

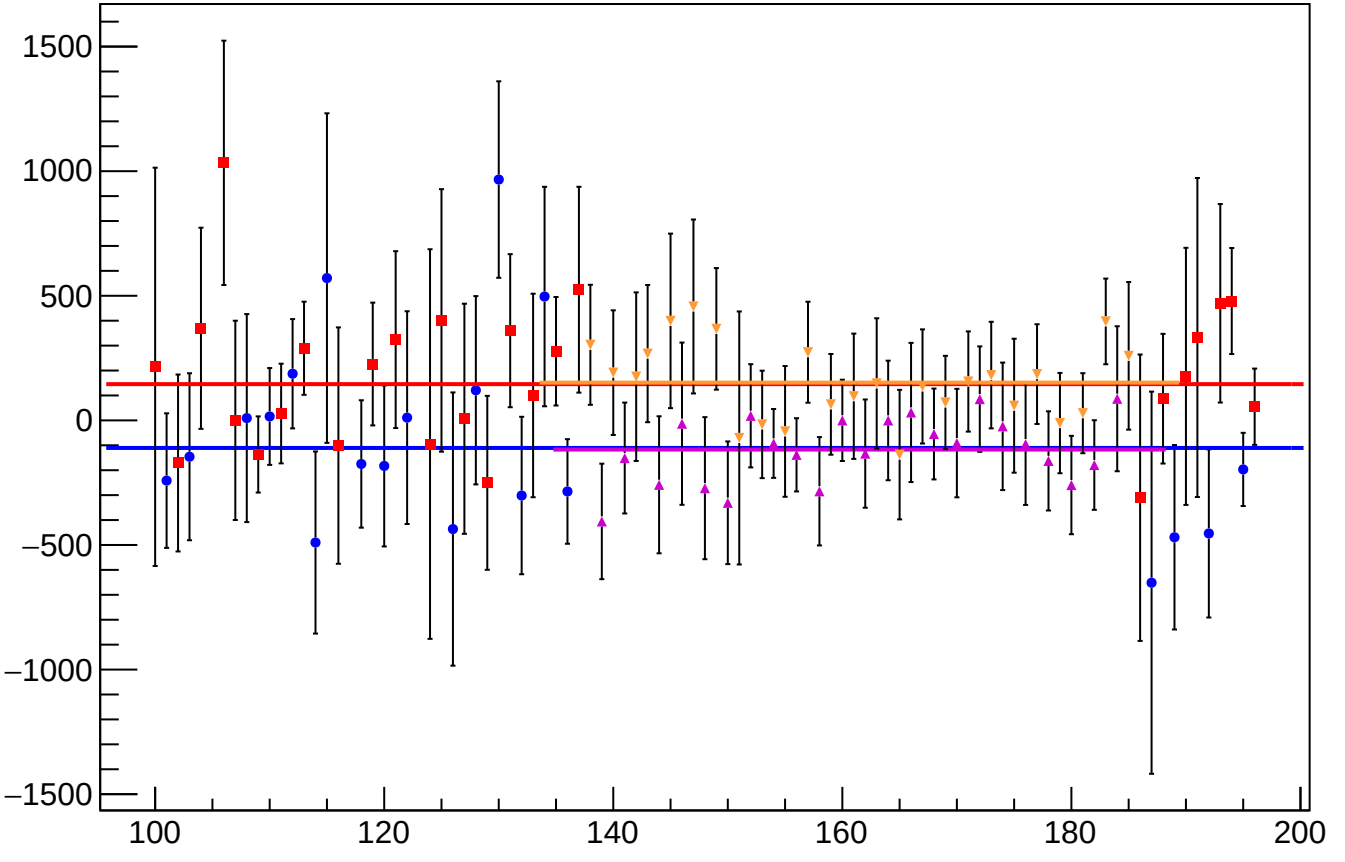
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 184.557+/-0.026 χ^2/NDF: 4929005.1/44

All: 183.634+/-0.018 χ^2/NDF: 11210155.4/93

- sign 182.745+/-0.025 χ^2/NDF: 6278585.0/48

asym_bcm_target_mean vs Slug



Right In: -110.627+/-65.286 χ^2/NDF: 18.9/19

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 145.425+/-56.965 χ^2/NDF: 17.2/25

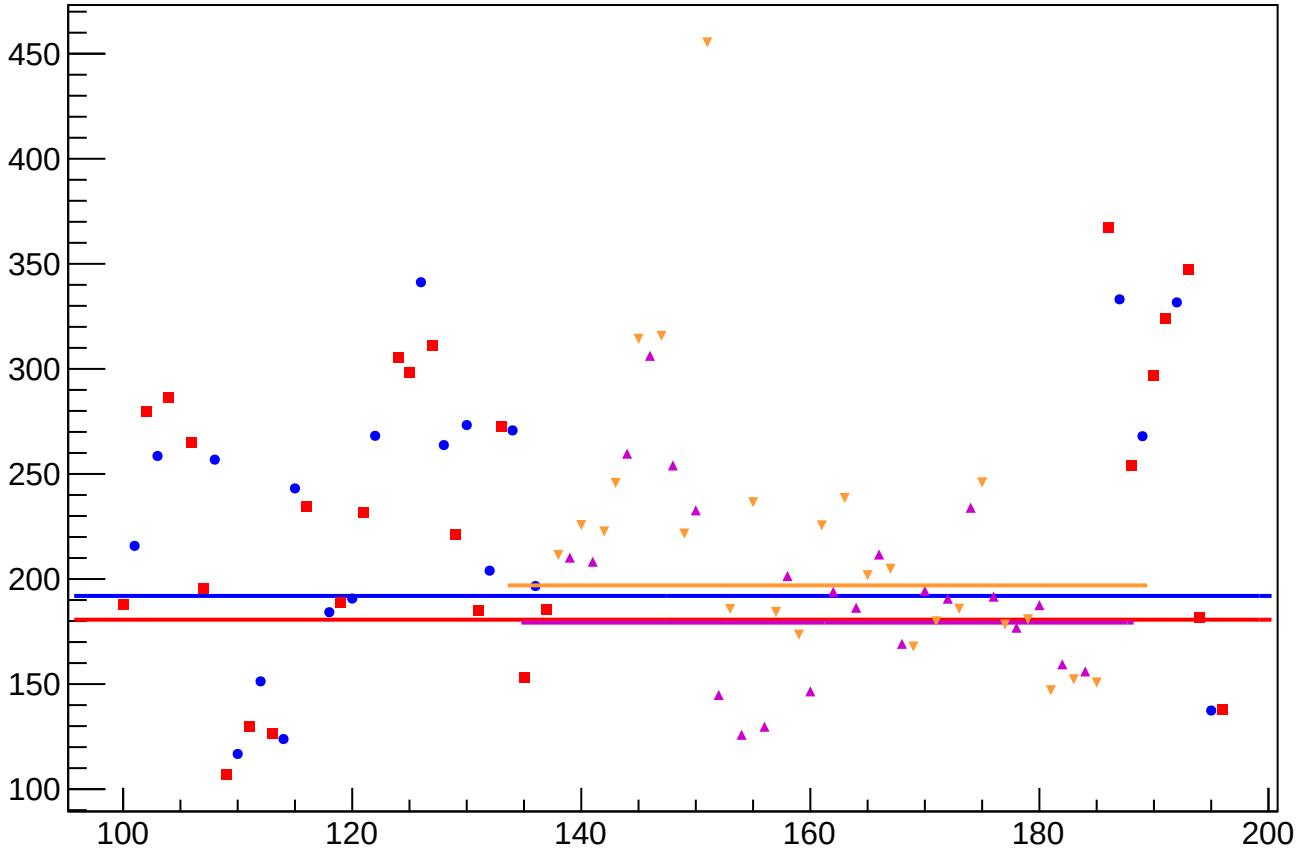
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 63.548+/-37.831 χ^2/NDF: 39.2/44

All: 18.371+/-25.577 χ^2/NDF: 79.8/93

- sign -19.662+/-34.712 χ^2/NDF: 38.0/48

asym_bcm_target_rms vs Slug



Right In: 191.961+/-0.046 χ^2/NDF: 1802820.0/19

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.647+/-0.040 χ^2/NDF: 2737544.2/25

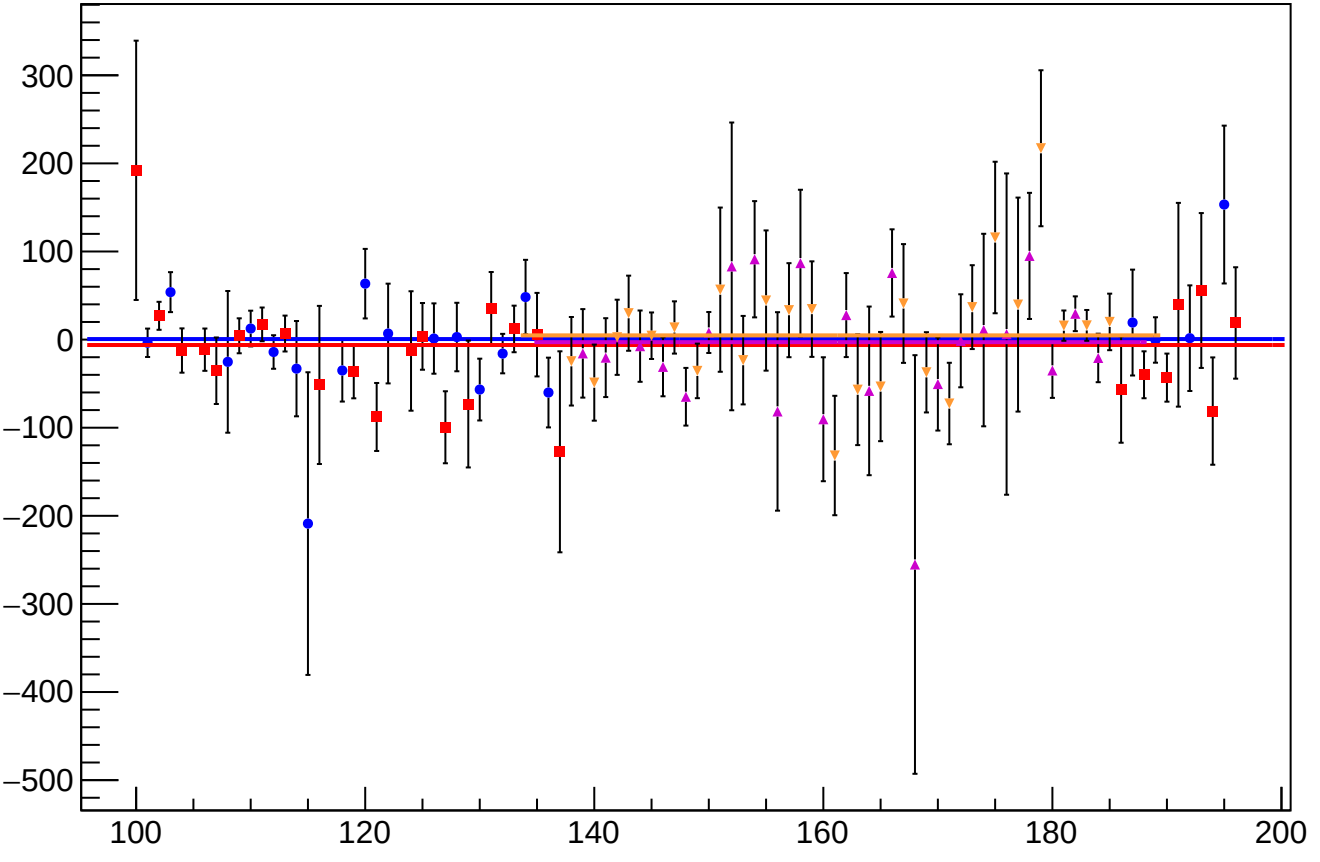
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 195.291+/-0.027 χ^2/NDF: 3619964.7/44

All: 186.866+/-0.018 χ^2/NDF: 8197007.3/93

- sign 179.772+/-0.025 χ^2/NDF: 4394317.4/48

asym_bcm_an_diff_mean vs Slug



Right In: 0.611+/-6.943 χ^2/NDF: 21.9/19

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.147+/-6.251 χ^2/NDF: 30.1/25

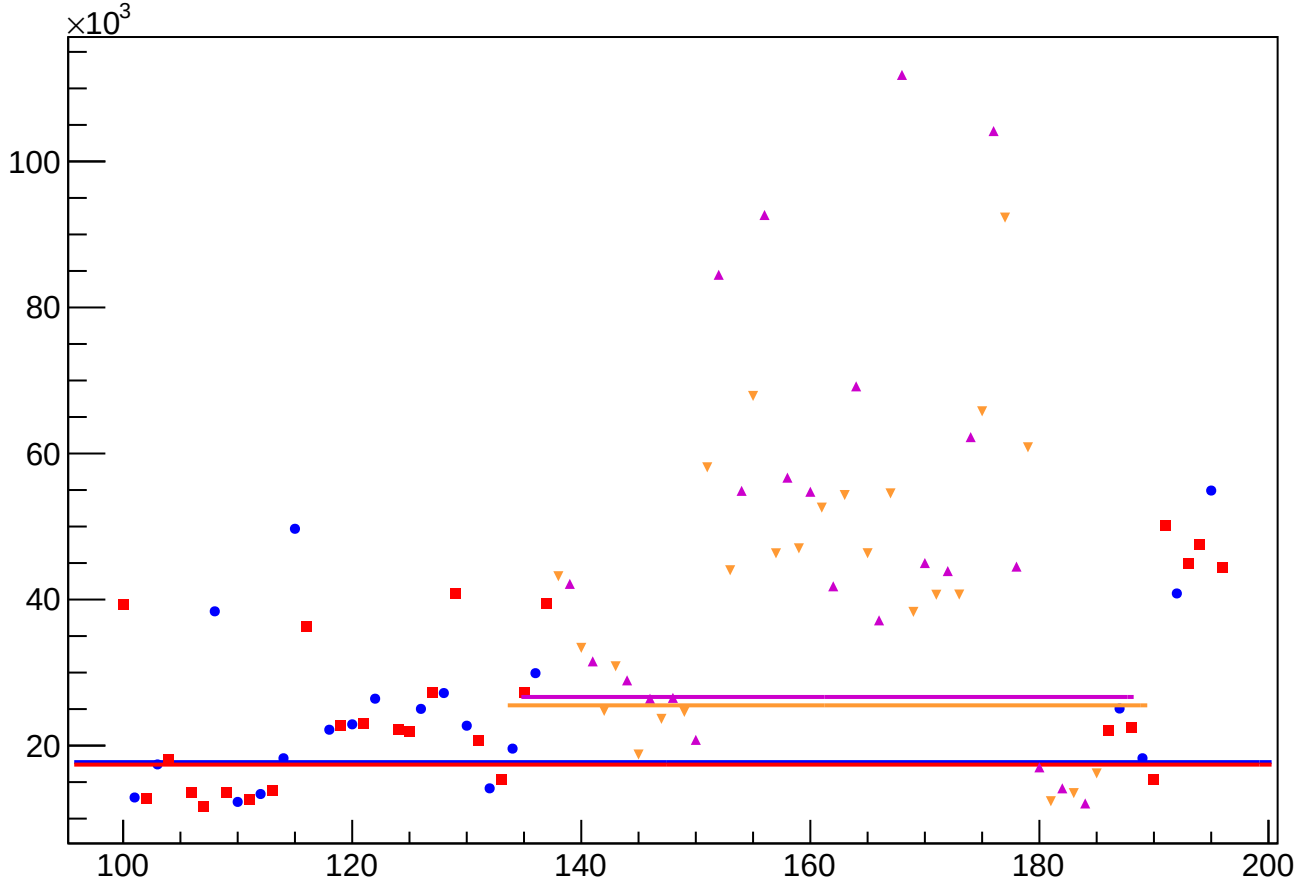
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.518+/-5.126 χ^2/NDF: 46.4/44

All: -1.293+/-3.617 χ^2/NDF: 99.2/93

- sign -5.071+/-5.104 χ^2/NDF: 51.7/48

asym_bcm_an_diff_rms vs Slug



Right In: 17735.175+/-4.910 χ^2/NDF: 1887333.4/19

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17395.646+/-4.420 χ^2/NDF: 2621128.8/25

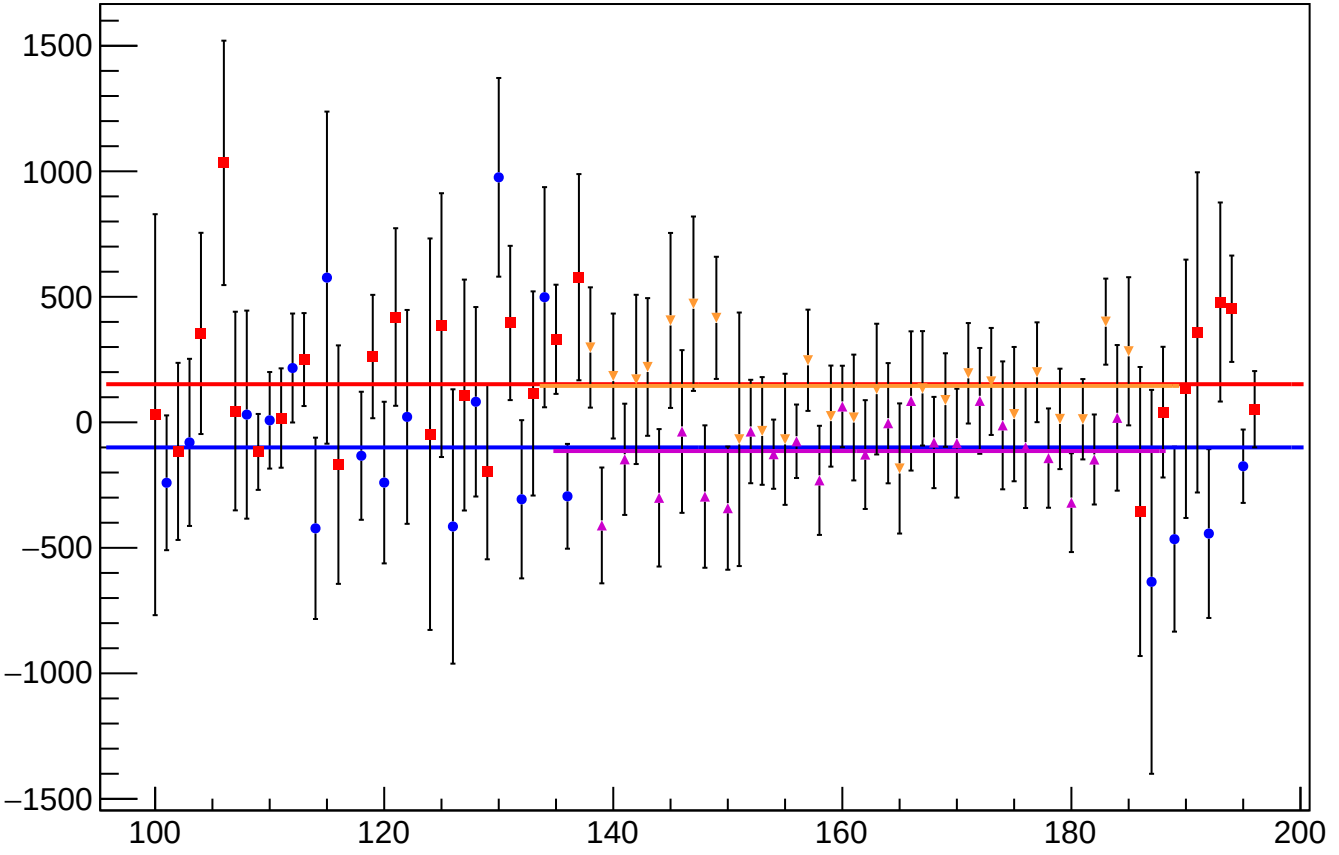
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21272.783+/-3.625 χ^2/NDF: 10771412.5/44

All: 20876.786+/-2.558 χ^2/NDF: 20764064.4

- sign 20484.225+/-3.609 χ^2/NDF: 9968886.9/48

asym_bcm_an_ds_mean vs Slug



Right In: -99.939+/-64.933 χ^2/NDF: 18.8/19

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 151.861+/-56.640 χ^2/NDF: 17.2/25

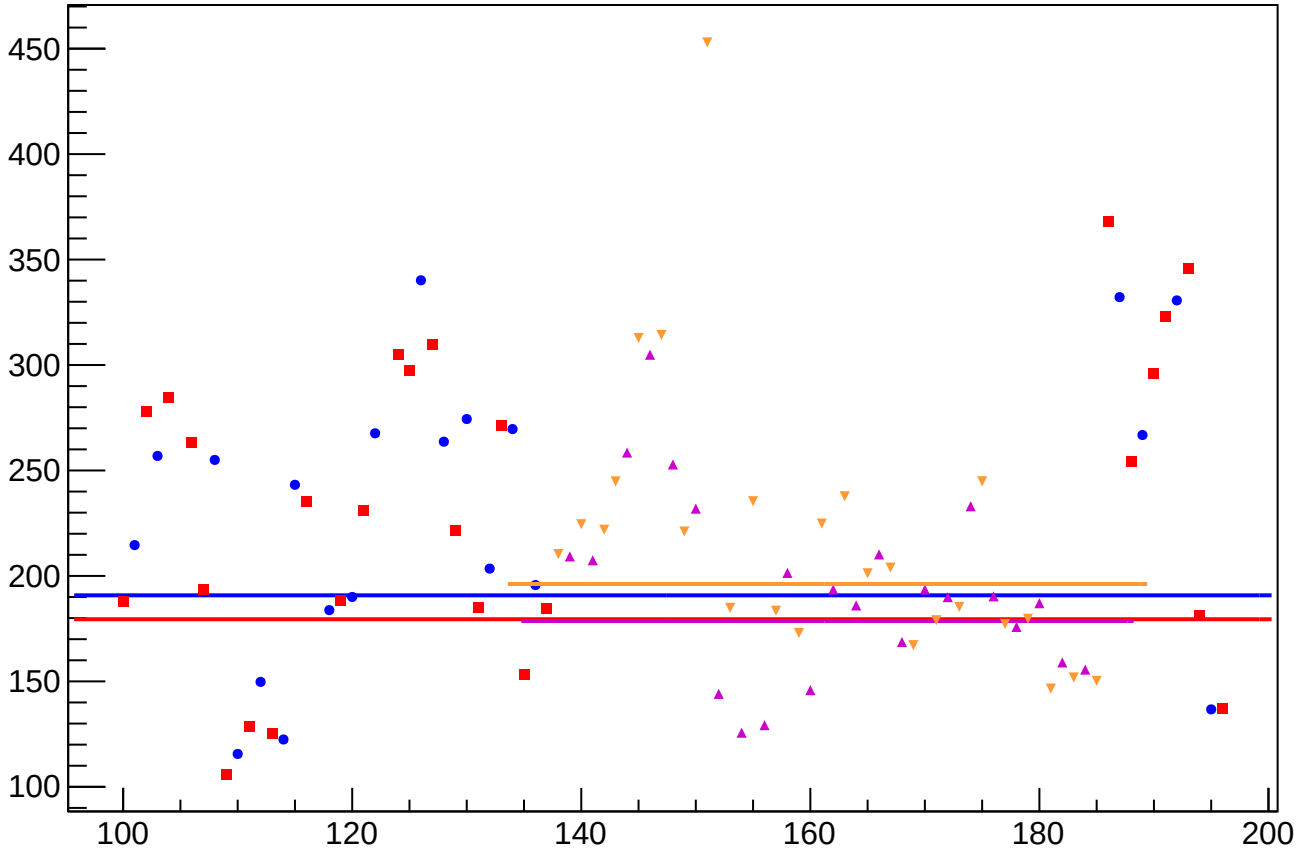
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 62.732+/-37.658 χ^2/NDF: 39.5/44

All: 20.388+/-25.462 χ^2/NDF: 81.3/93

- sign -15.275+/-34.559 χ^2/NDF: 39.5/48

asym_bcm_an_ds_rms vs Slug



Right In: 190.803+/-0.046 χ^2/NDF: 1825925.9/19

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 179.464+/-0.040 χ^2/NDF: 2773847.2/25

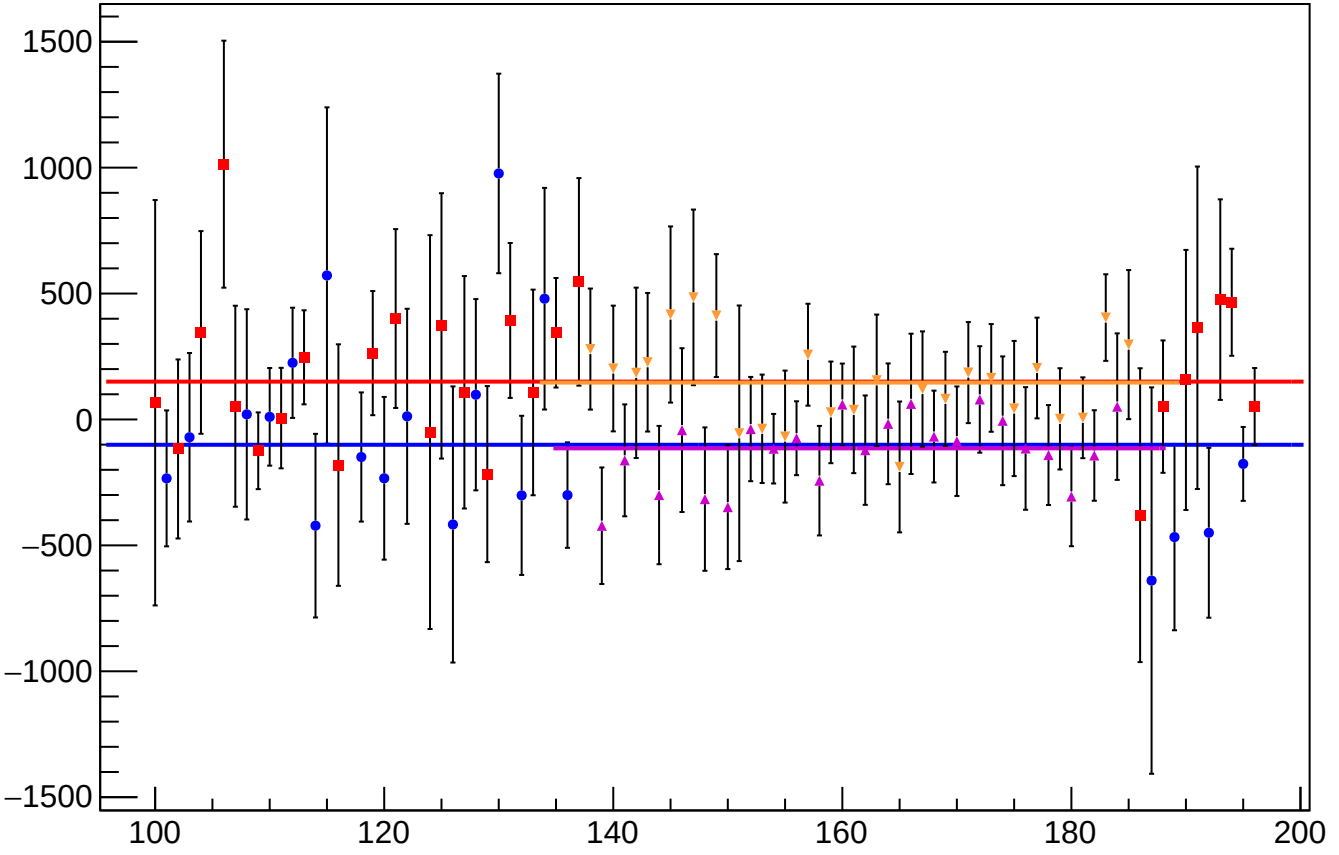
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 194.362+/-0.027 χ^2/NDF: 3641849.1/44

All: 185.988+/-0.018 χ^2/NDF: 8250053.0/93

- sign 178.935+/-0.024 χ^2/NDF: 4425999.5/48

asym_bcm_an_ds3_mean vs Slug



Right In: -100.544+/-65.266 χ^2/NDF: 18.8/19

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 150.279+/-56.948 χ^2/NDF: 17.3/25

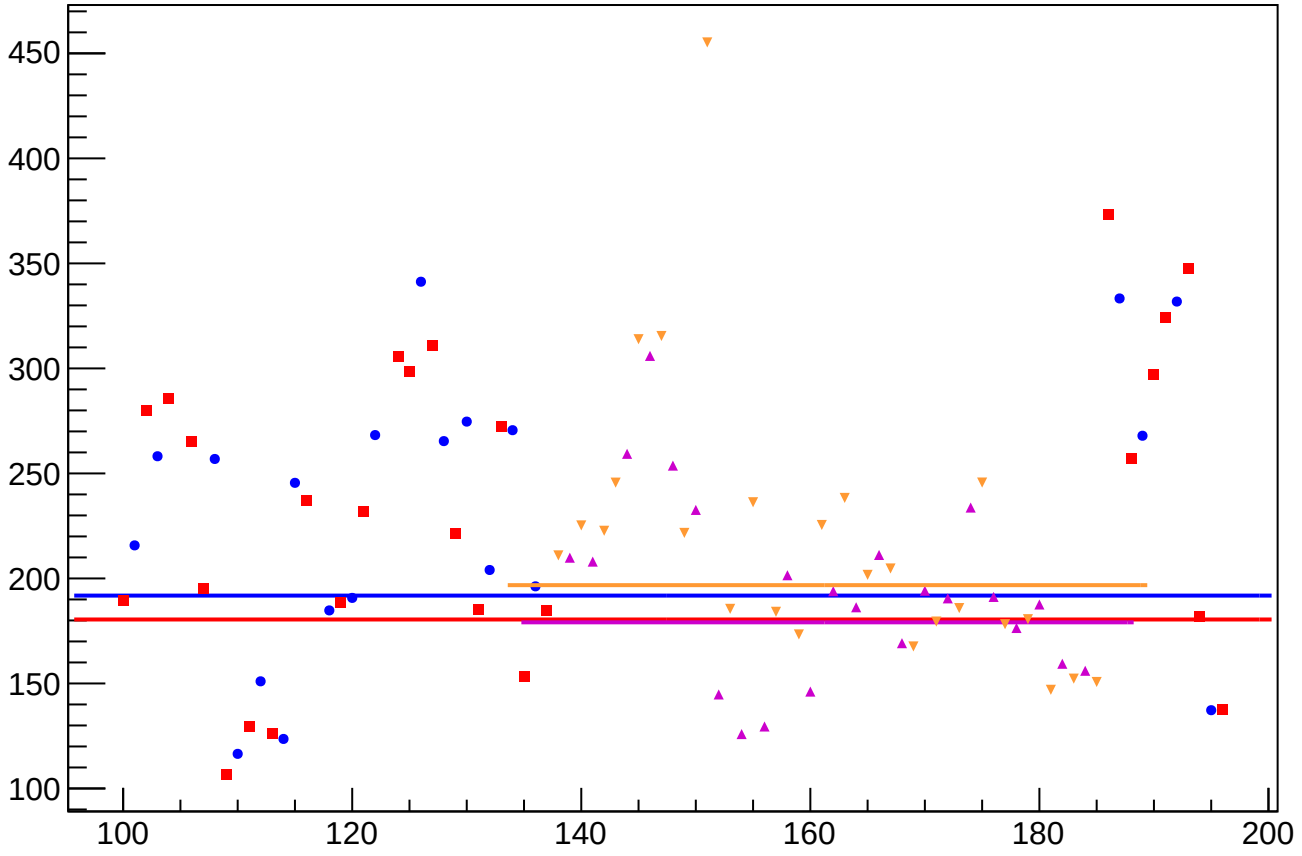
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 63.553+/-37.806 χ^2/NDF: 39.8/44

All: 20.120+/-25.560 χ^2/NDF: 81.5/93

- sign -16.448+/-34.689 χ^2/NDF: 39.3/48

asym_bcm_an_ds3_rms vs Slug



Right In: 191.834+/-0.046 χ^2/NDF: 1815521.2/19

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

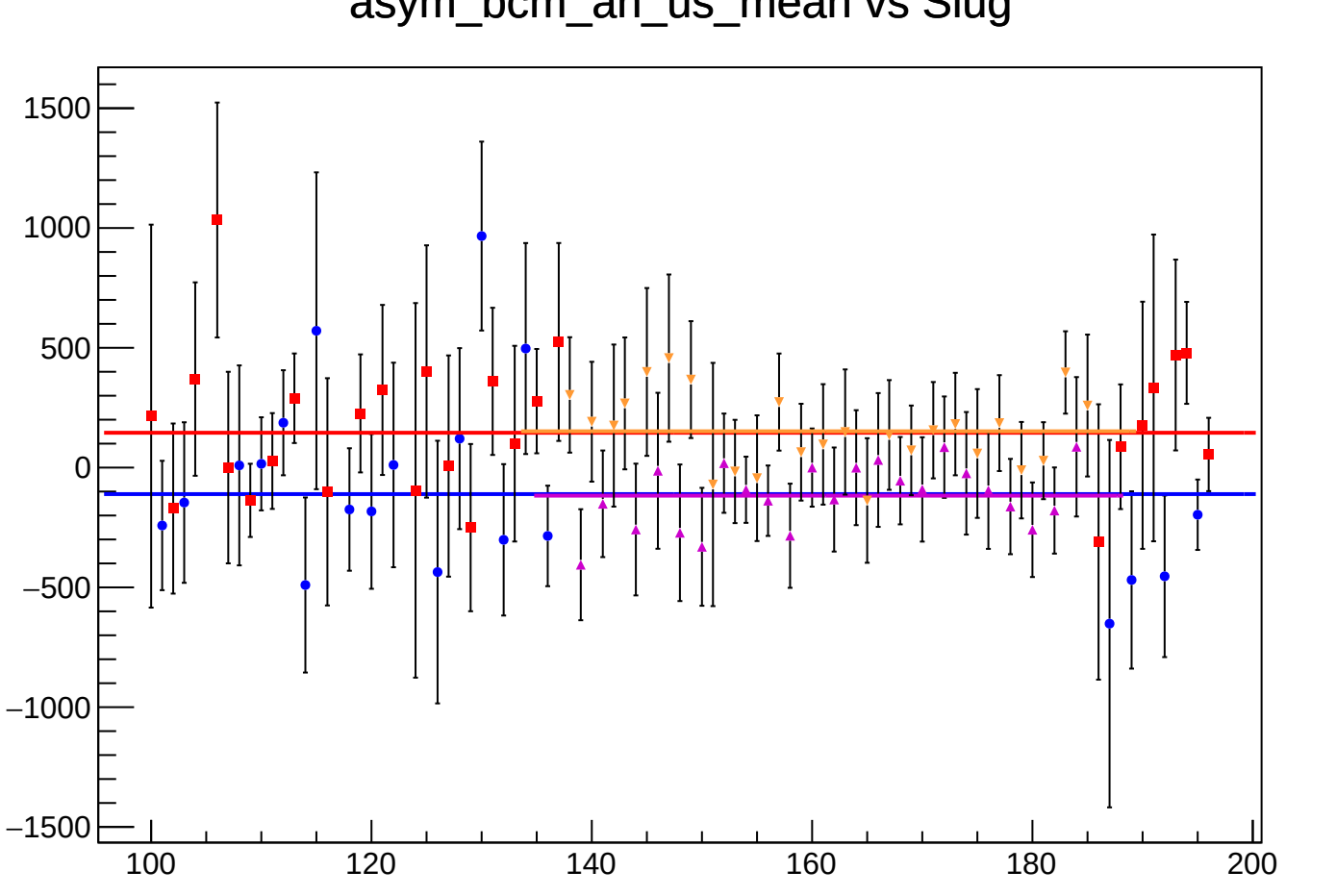
Right Out: 180.458+/-0.040 χ^2/NDF: 2768924.9/25

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 195.137+/-0.027 χ^2/NDF: 3631841.9/44

All: 186.704+/-0.018 χ^2/NDF: 8240635.7/93

- sign 179.605+/-0.025 χ^2/NDF: 4425505.9/48



Right In: -110.627+/-65.286 χ^2/NDF: 18.9/19

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 145.425+/-56.965 χ^2/NDF: 17.2/25

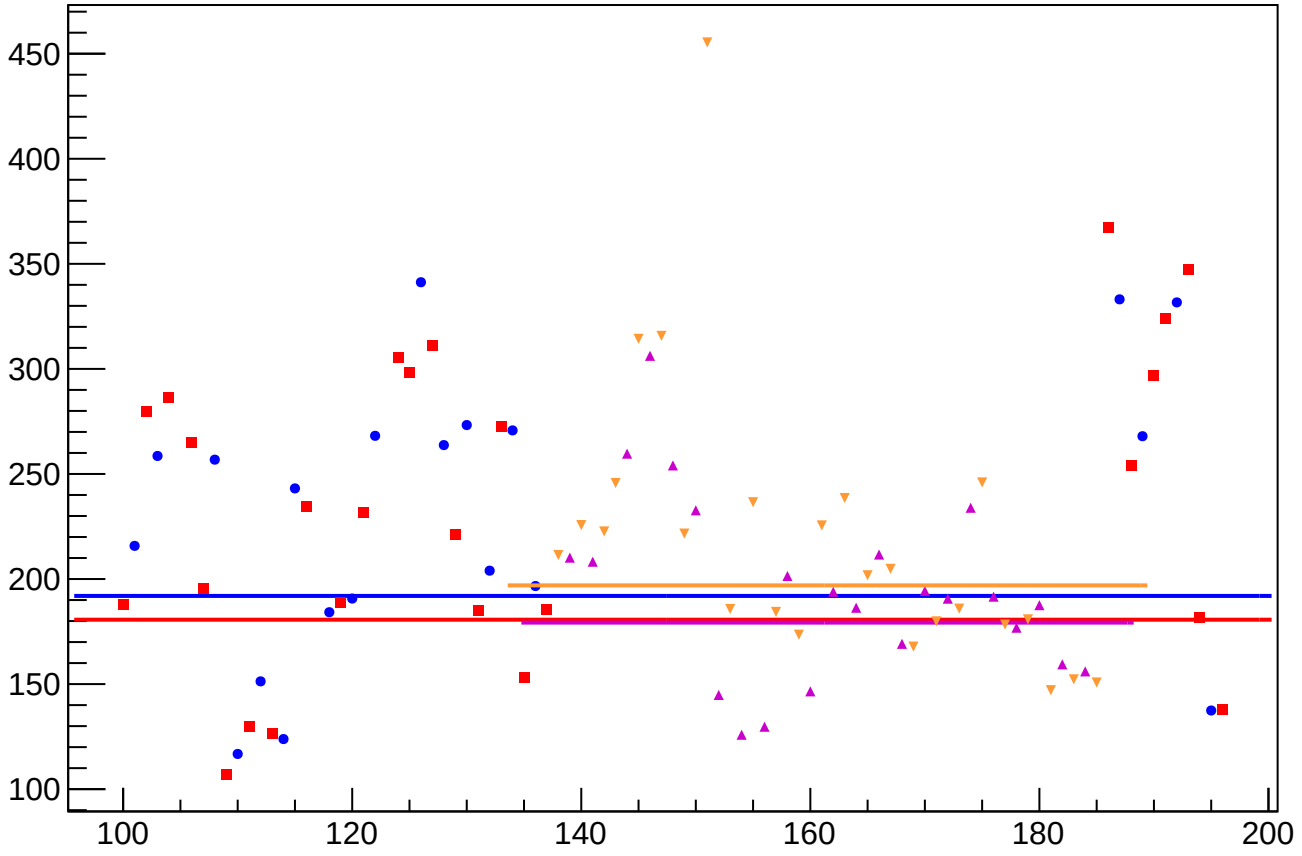
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 63.548+/-37.831 χ^2/NDF: 39.2/44

All: 18.371+/-25.577 χ^2/NDF: 79.8/93

- sign -19.662+/-34.712 χ^2/NDF: 38.0/48

asym_bcm_an_us_rms vs Slug



Right In: 191.961+/-0.046 χ^2/NDF: 1802820.0/19

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.647+/-0.040 χ^2/NDF: 2737544.2/25

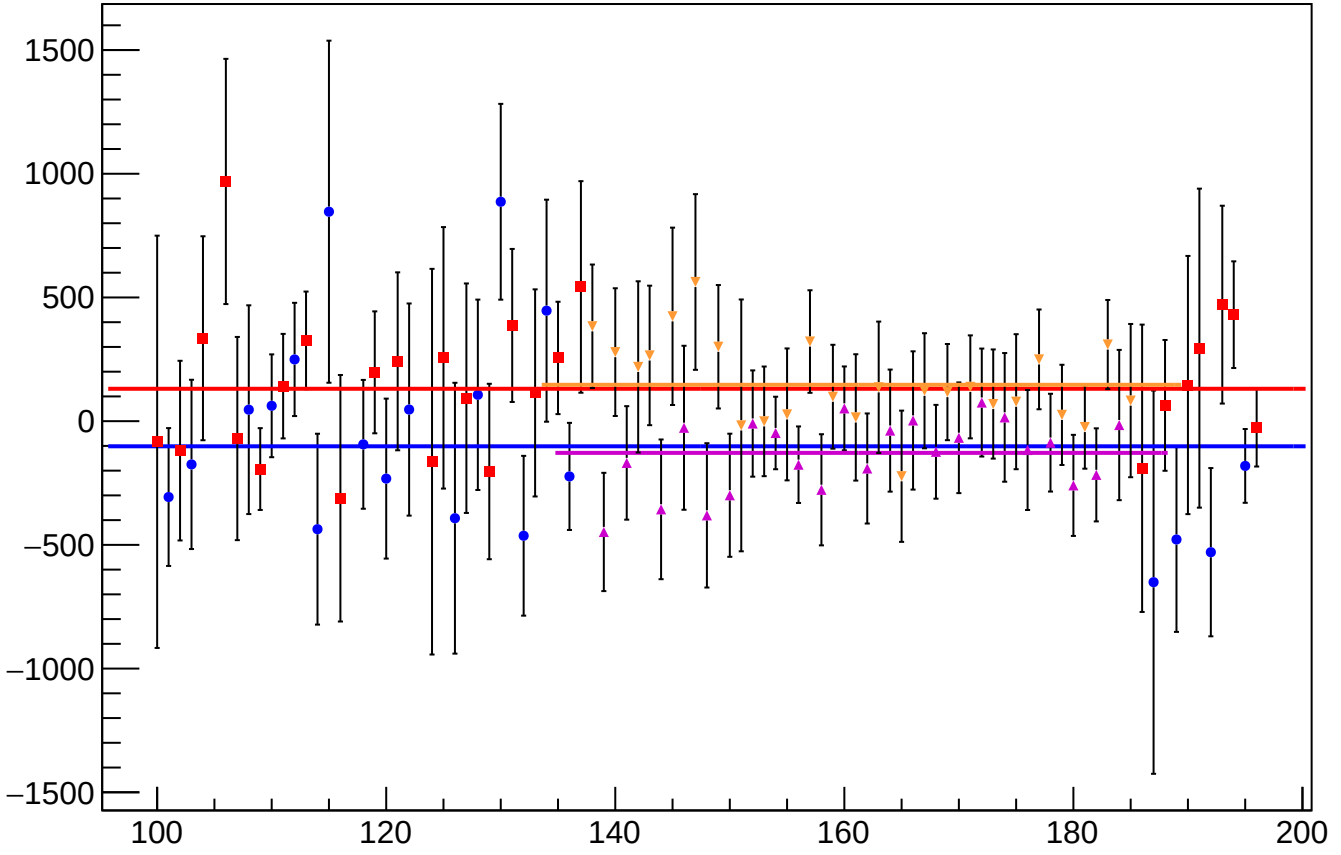
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 195.291+/-0.027 χ^2/NDF: 3619964.7/44

All: 186.866+/-0.018 χ^2/NDF: 8197007.3/93

- sign 179.772+/-0.025 χ^2/NDF: 4394317.4/48

asym_bcm_dg_us_mean vs Slug



Right In: -101.622+/-67.010 χ^2/NDF: 19.9/19

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 130.912+/-58.945 χ^2/NDF: 16.8/25

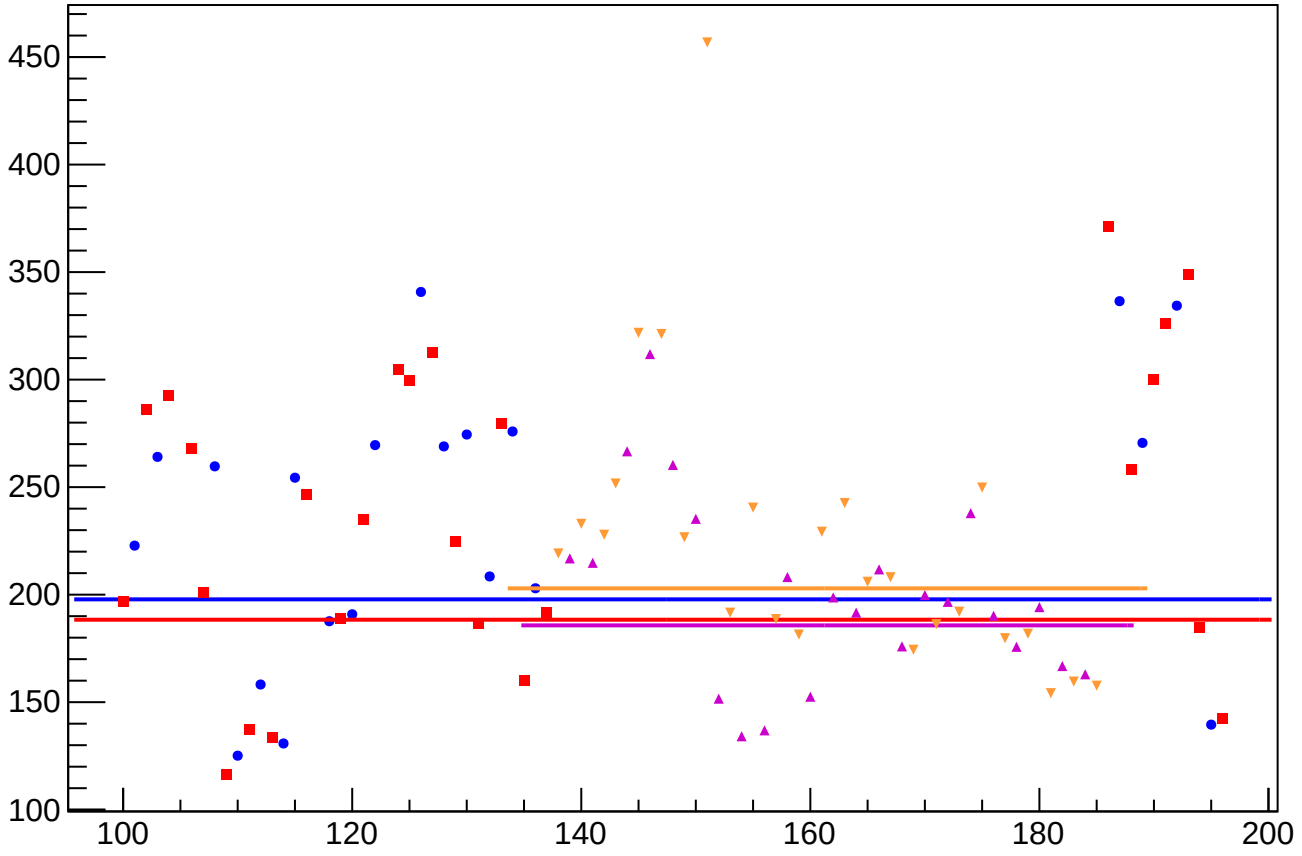
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 63.350+/-38.865 χ^2/NDF: 39.2/44

All: 11.734+/-26.359 χ^2/NDF: 79.9/93

- sign -32.230+/-35.868 χ^2/NDF: 37.5/48

asym_bcm_dg_us_rms vs Slug



Right In: 197.811+/-0.047 χ^2/NDF: 1684000.7/19

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 188.348+/-0.042 χ^2/NDF: 2473426.8/25

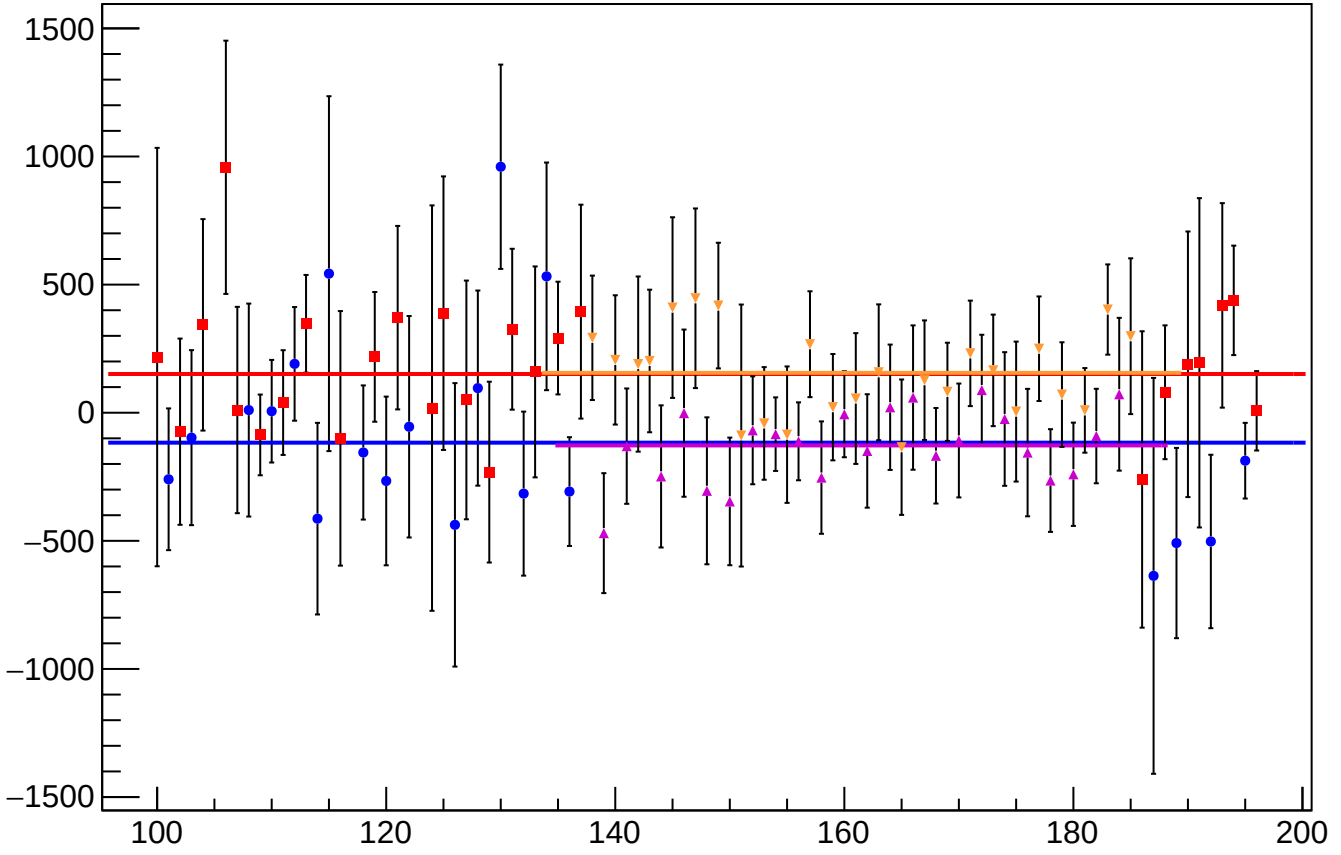
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 201.202+/-0.027 χ^2/NDF: 3391830.2/44

All: 193.365+/-0.019 χ^2/NDF: 7507829.4/93

- sign 186.690+/-0.025 χ^2/NDF: 3965424.5/48

asym_bcm_dg_ds_mean vs Slug



Right In: -116.860+/-66.209 χ^2/NDF: 18.8/19

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 151.155+/-57.895 χ^2/NDF: 14.0/25

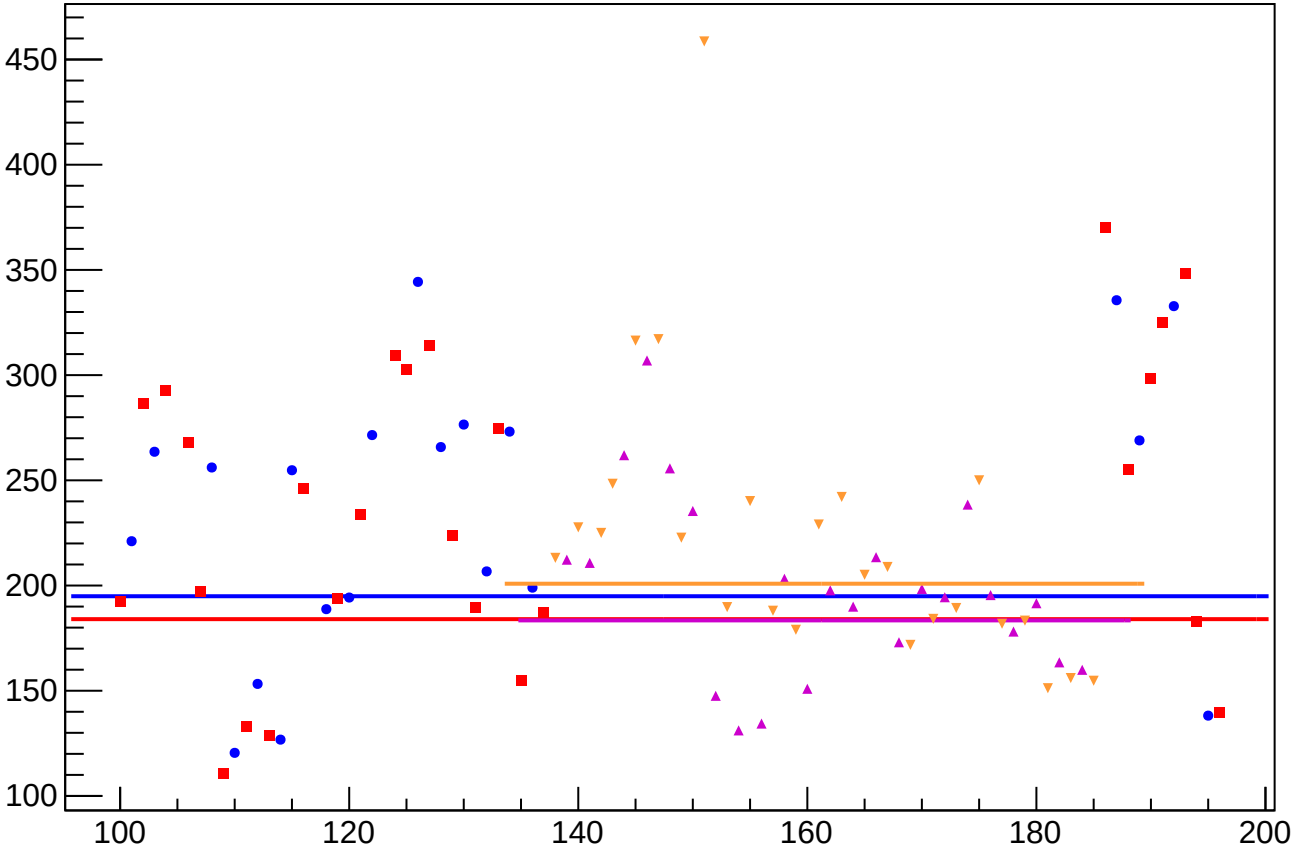
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 63.658+/-38.468 χ^2/NDF: 40.7/44

All: 16.424+/-26.041 χ^2/NDF: 79.9/93

- sign -23.533+/-35.380 χ^2/NDF: 36.5/48

asym_bcm_dg_ds_rms vs Slug



Right In: 194.914+/-0.047 χ^2/NDF: 1772008.1/19

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.025+/-0.041 χ^2/NDF: 2669899.2/25

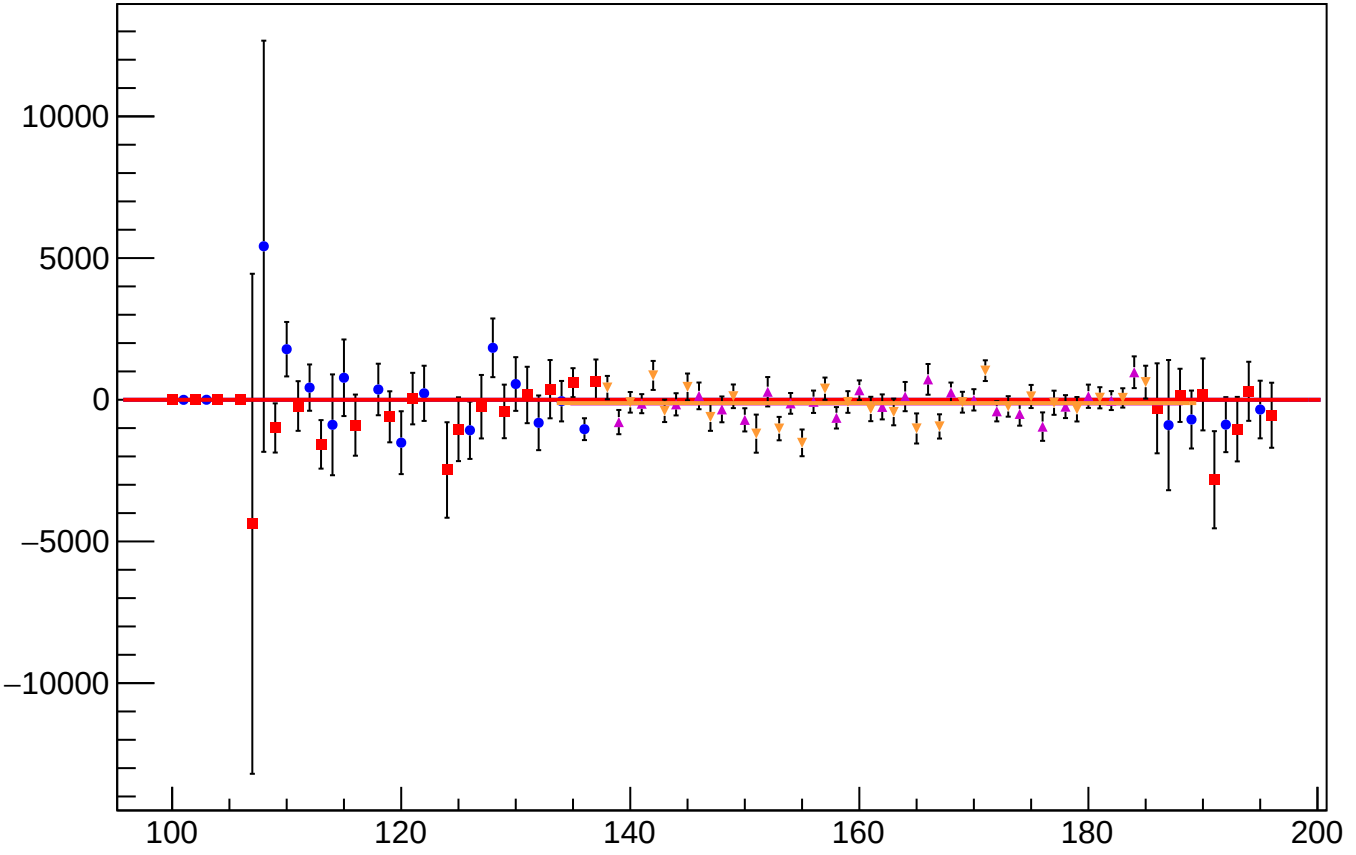
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

\+ sign 198.856+/-0.027 χ^2/NDF: 3510115.7/44

All: 190.621+/-0.018 χ^2/NDF: 7880022.5/93

\- sign 183.654+/-0.025 χ^2/NDF: 4200709.0/48

asym_cav4bQ_mean vs Slug



Right In: -1.249+/-2.171 χ^2/NDF: 21.5/19

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.384+/-2.022 χ^2/NDF: 20.8/25

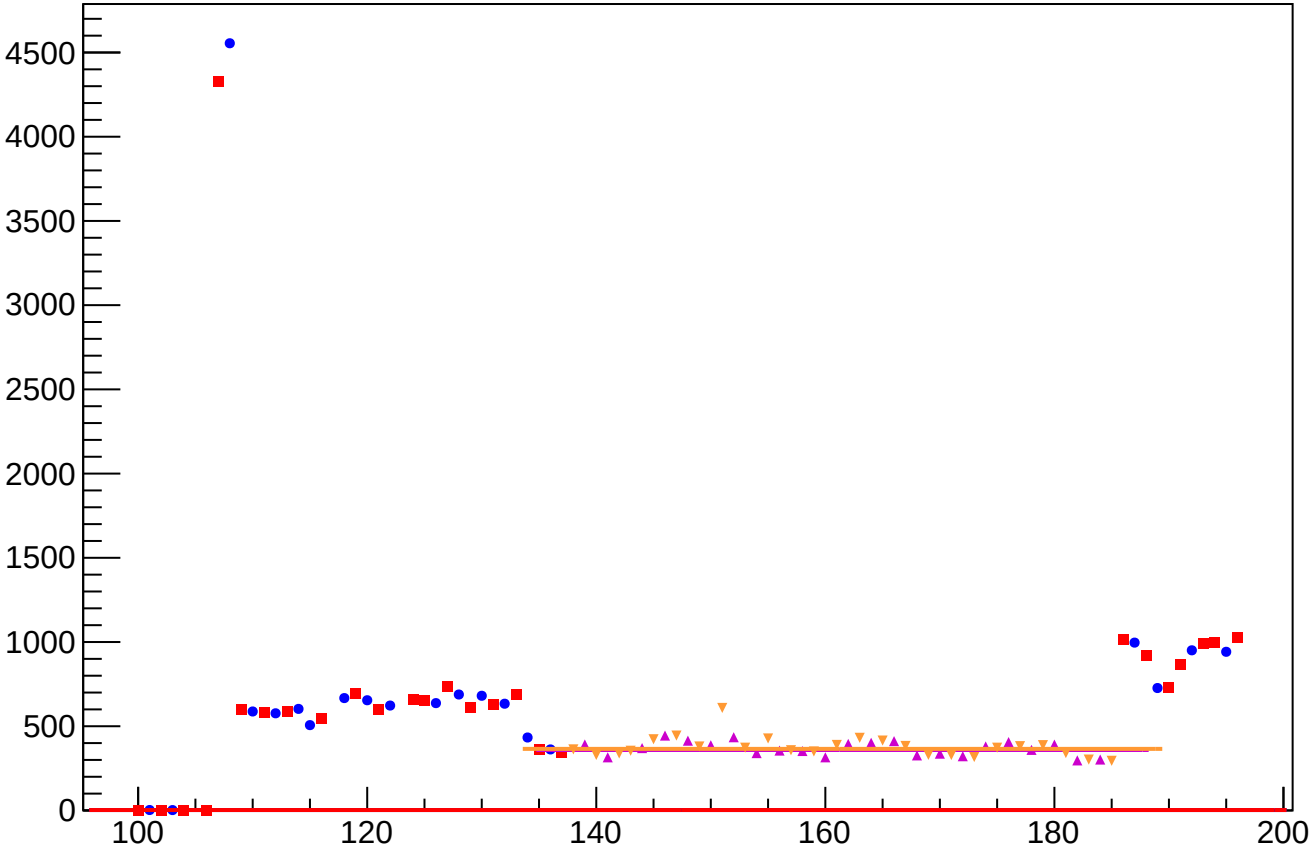
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.326+/-2.170 χ^2/NDF: 69.7/44

All: -1.396+/-1.479 χ^2/NDF: 114.5/93

- sign -1.457+/-2.022 χ^2/NDF: 44.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.490+/-0.002 χ^2/NDF: 16619600.0/19

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.481+/-0.001 χ^2/NDF: 20335763.6/25

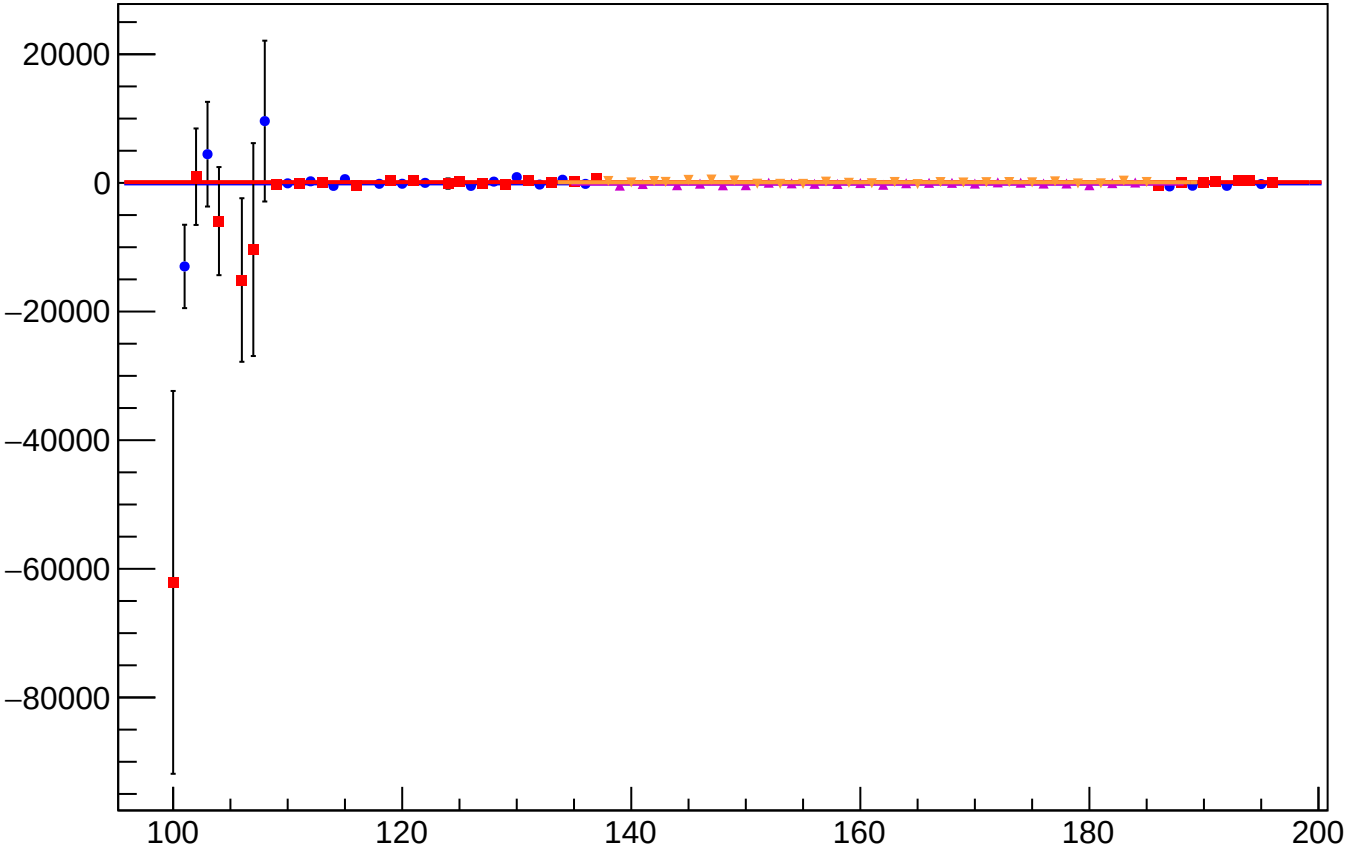
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.731+/-0.002 χ^2/NDF: 54451838.5/44

All: 2.705+/-0.001 χ^2/NDF: 110342511.2/93

- sign 2.683+/-0.001 χ^2/NDF: 55890137.3/48

asym_cav4cQ_mean vs Slug



Right In: -78.370+/-73.570 χ^2/NDF: 20.5/19

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 124.068+/-65.791 χ^2/NDF: 18.1/25

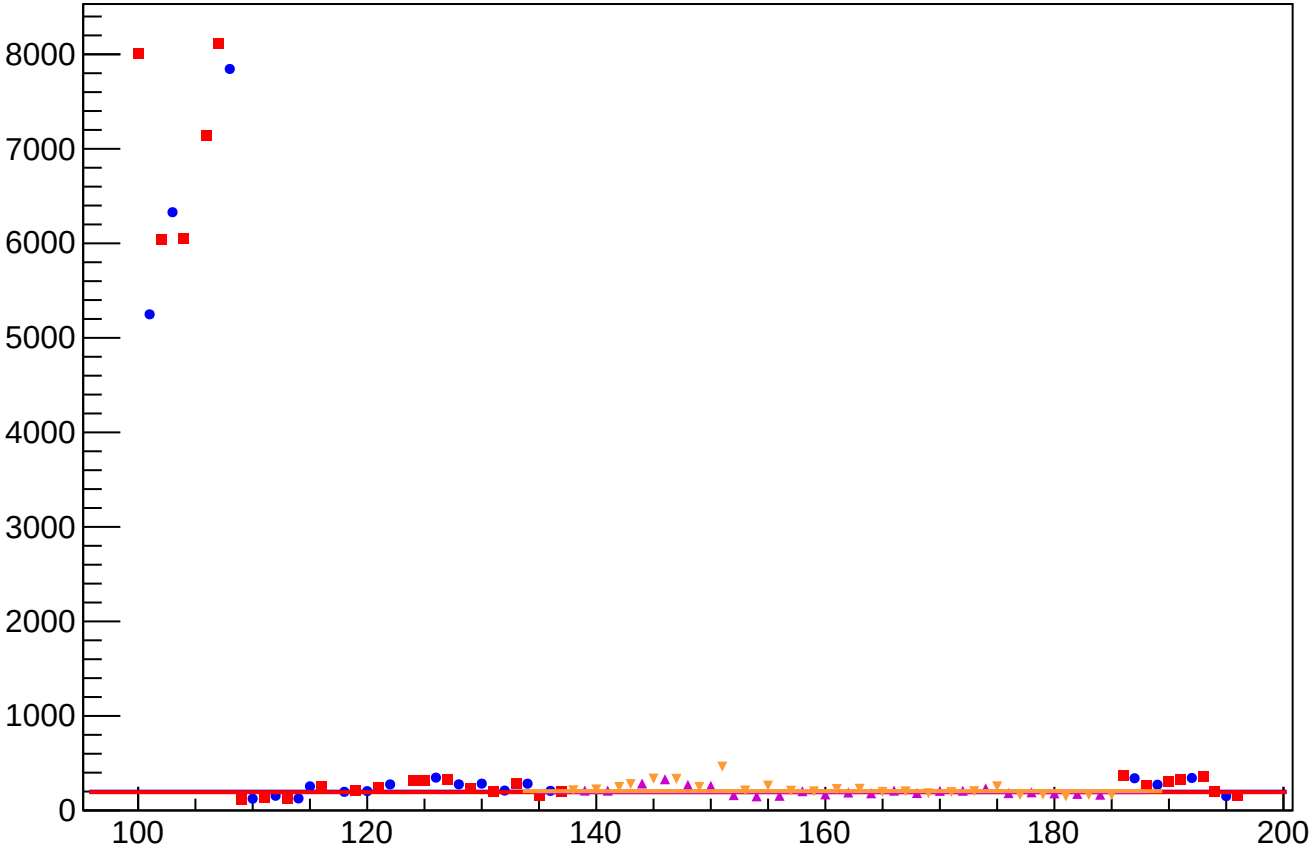
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 46.075+/-40.347 χ^2/NDF: 37.3/44

All: 2.187+/-27.747 χ^2/NDF: 76.0/93

- sign -37.196+/-38.221 χ^2/NDF: 36.5/48

asym_cav4cQ_rms vs Slug



Right In: 198.653+/-0.052 χ^2/NDF: 4615060.7/19

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 193.123+/-0.047 χ^2/NDF: 5388688.0/25

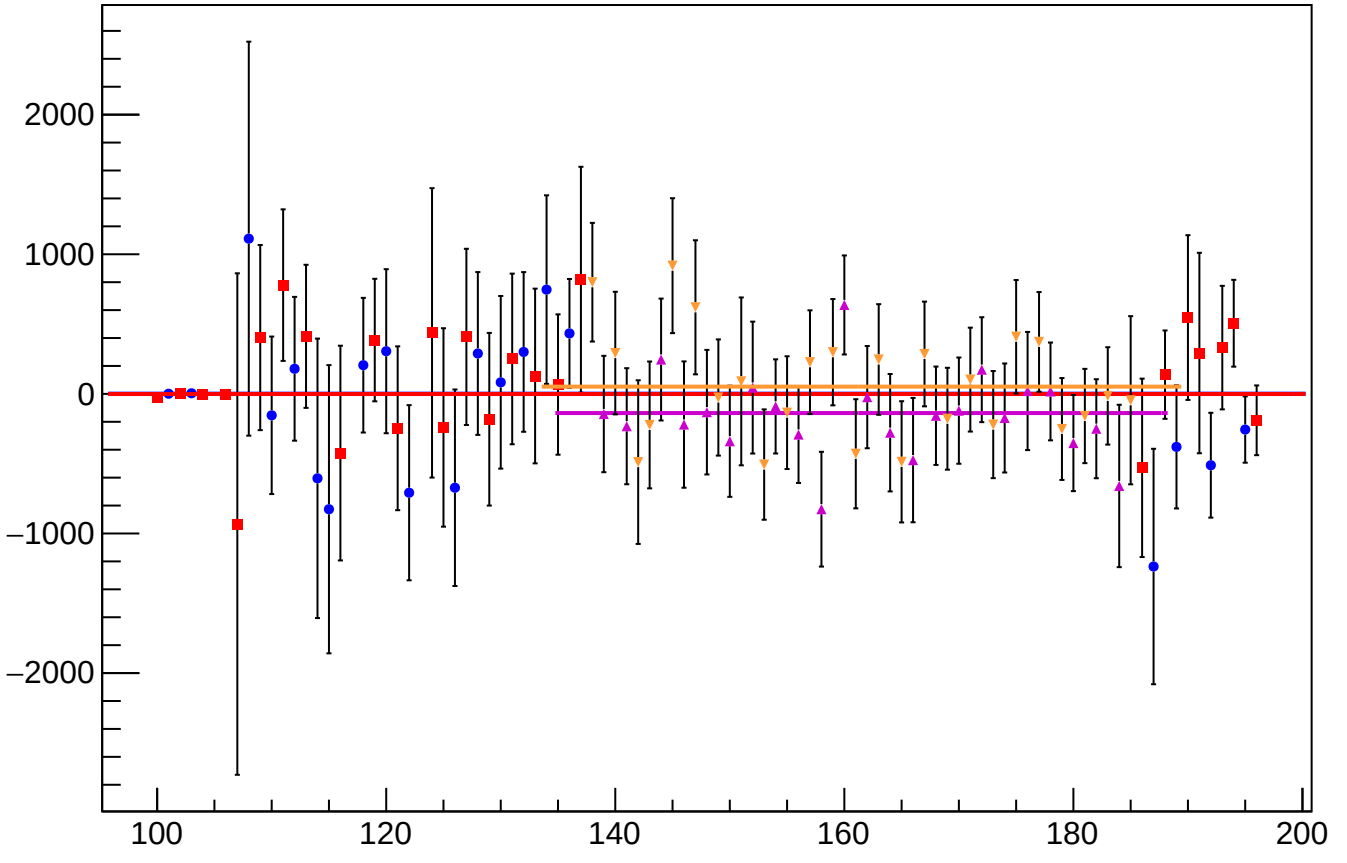
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 202.798+/-0.029 χ^2/NDF: 6599254.5/44

All: 197.969+/-0.020 χ^2/NDF: 13234090.8/93

- sign 193.634+/-0.027 χ^2/NDF: 6580460.0/48

asym_cav4dQ_mean vs Slug



Right In: 1.423+/-1.660 χ^2/NDF: 13.8/19

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.079+/-1.528 χ^2/NDF: 14.9/25

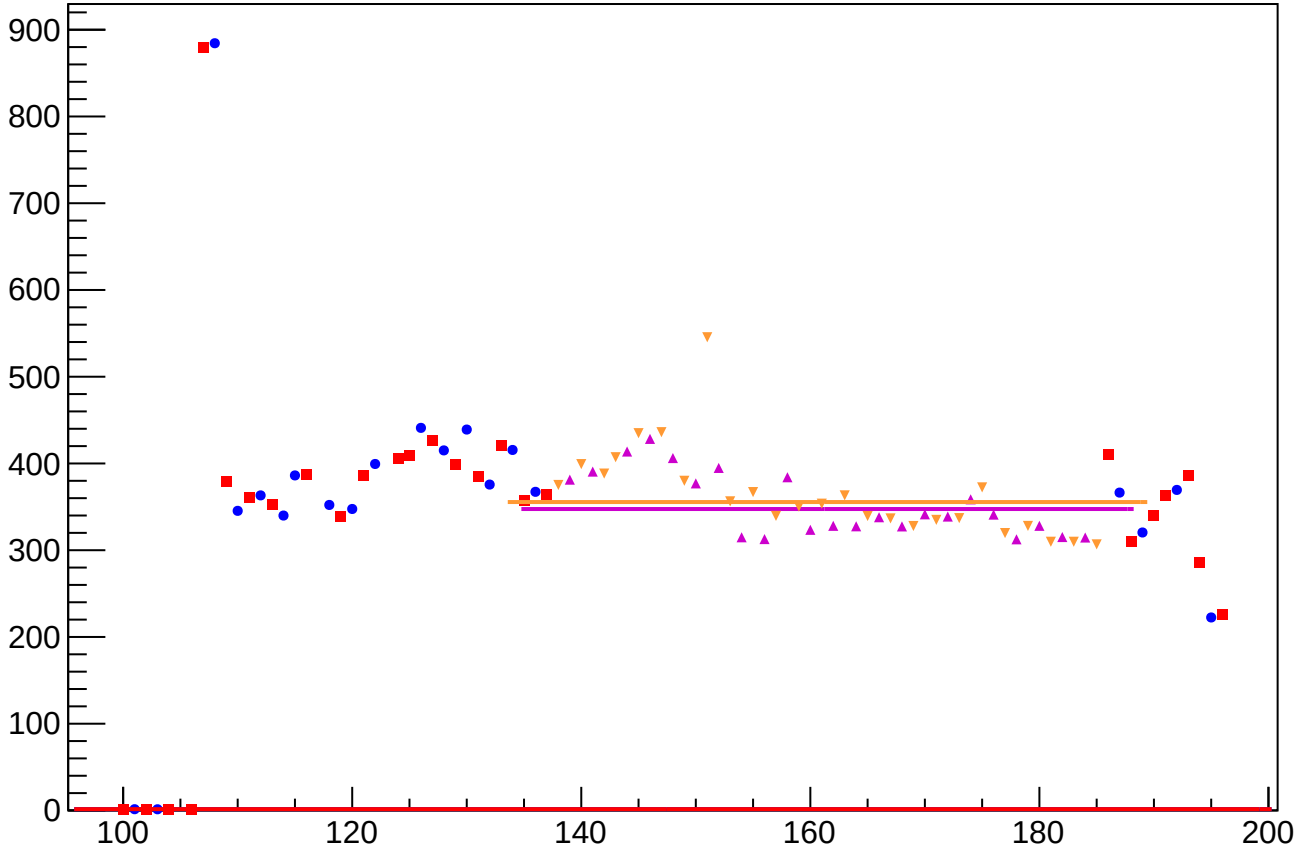
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.444+/-1.660 χ^2/NDF: 33.6/44

All: 0.052+/-1.124 χ^2/NDF: 64.7/93

- sign -1.126+/-1.527 χ^2/NDF: 29.8/48

asym_cav4dQ_rms vs Slug



Right In: 1.494+/-0.001 χ^2/NDF: 16809157.3/19

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.500+/-0.001 χ^2/NDF: 19950789.8/25

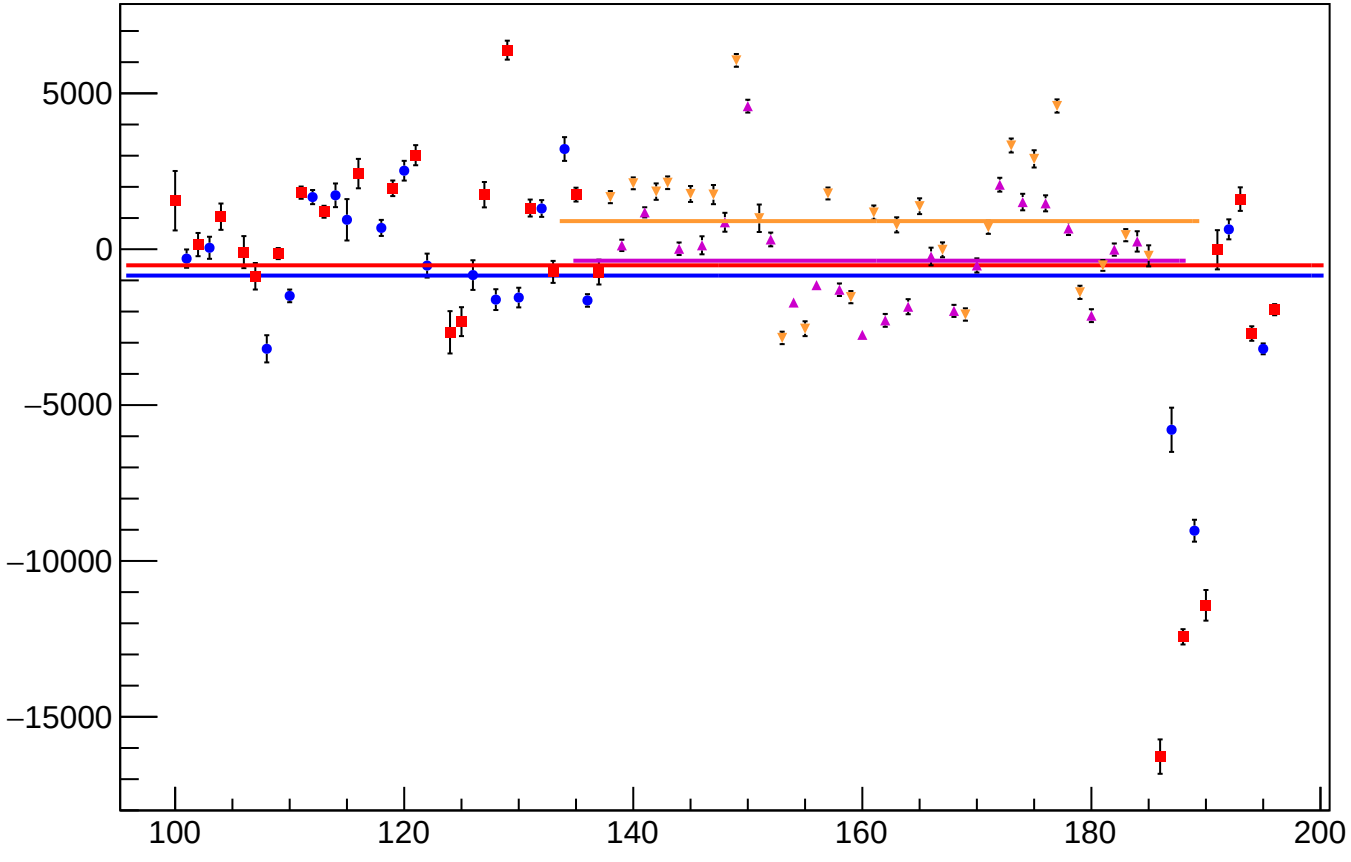
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.641+/-0.001 χ^2/NDF: 55013327.1/44

All: 1.630+/-0.001 χ^2/NDF: 110805575.9/93

- sign 1.620+/-0.001 χ^2/NDF: 55792081.9/48

asym_bcm0l02_mean vs Slug



Right In: -845.362+/-65.794 χ^2/NDF: 1372.9/19

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -516.555+/-58.383 χ^2/NDF: 5079.4/25

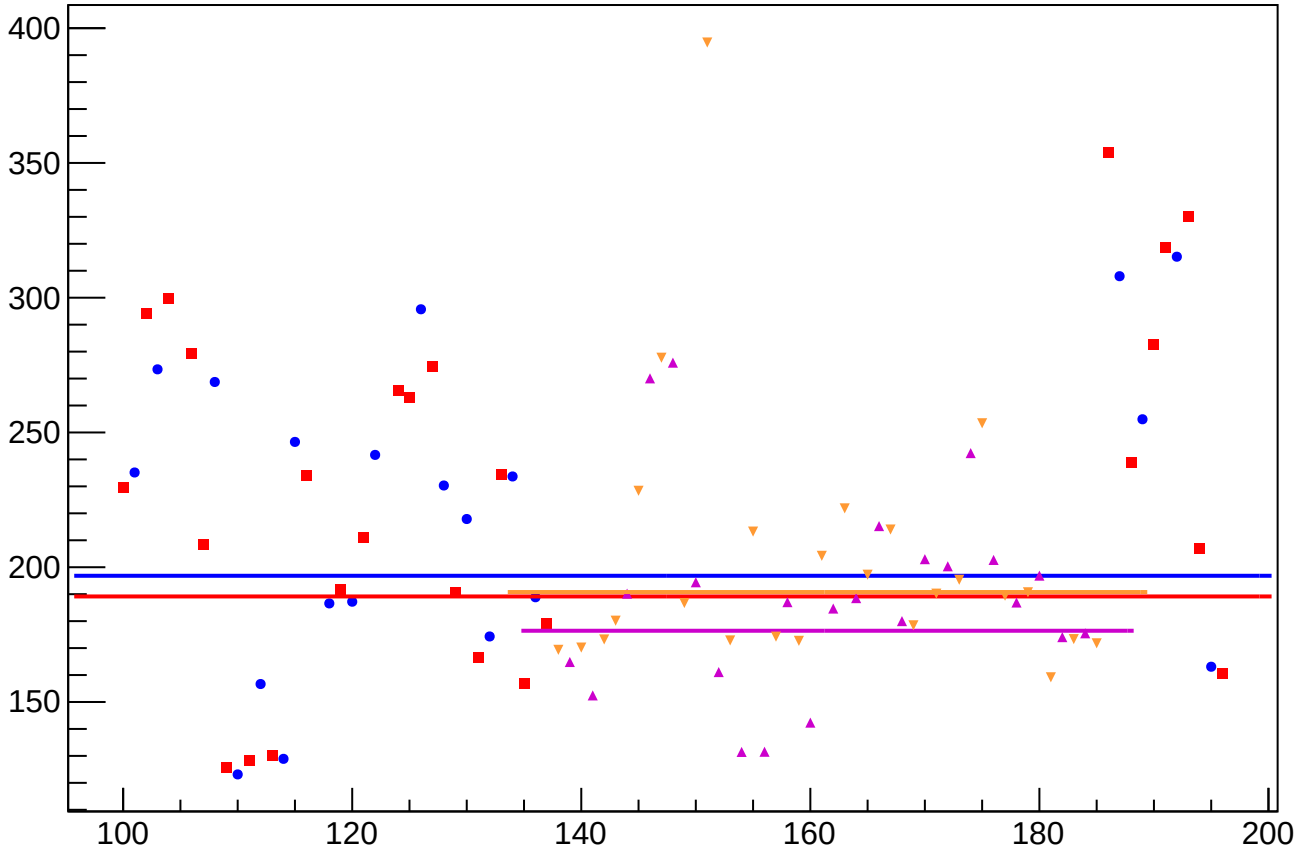
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 353.514+/-36.850 χ^2/NDF: 4267.7/44

All: -59.042+/-25.172 χ^2/NDF: 11179.2/93

- sign -419.934+/-34.465 χ^2/NDF: 6676.6/48

asym_bcm0l02_rms vs Slug



Right In: 196.828+/-0.047 χ^2/NDF: 1216526.8/19

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 189.159+/-0.041 χ^2/NDF: 2044026.2/25

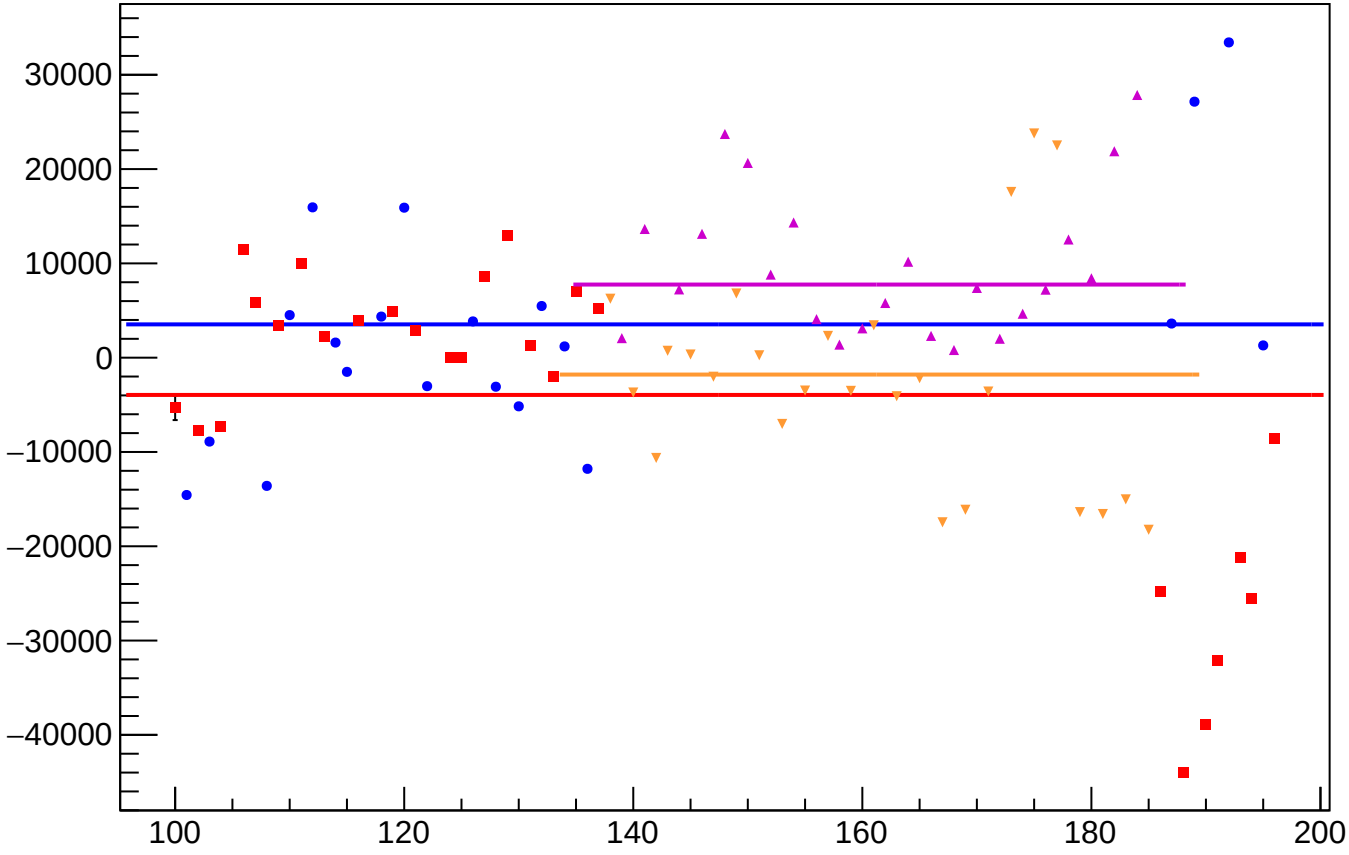
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 192.692+/-0.026 χ^2/NDF: 2247642.2/44

All: 186.384+/-0.018 χ^2/NDF: 5721103.3/93

- sign 180.867+/-0.024 χ^2/NDF: 3363611.9/48

asym_bpm0i02WS_mean vs Slug



Right In: 3531.955+/-48.702 χ^2/NDF: 70211.5/19

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3951.030+/-44.375 χ^2/NDF: 128845.4/25

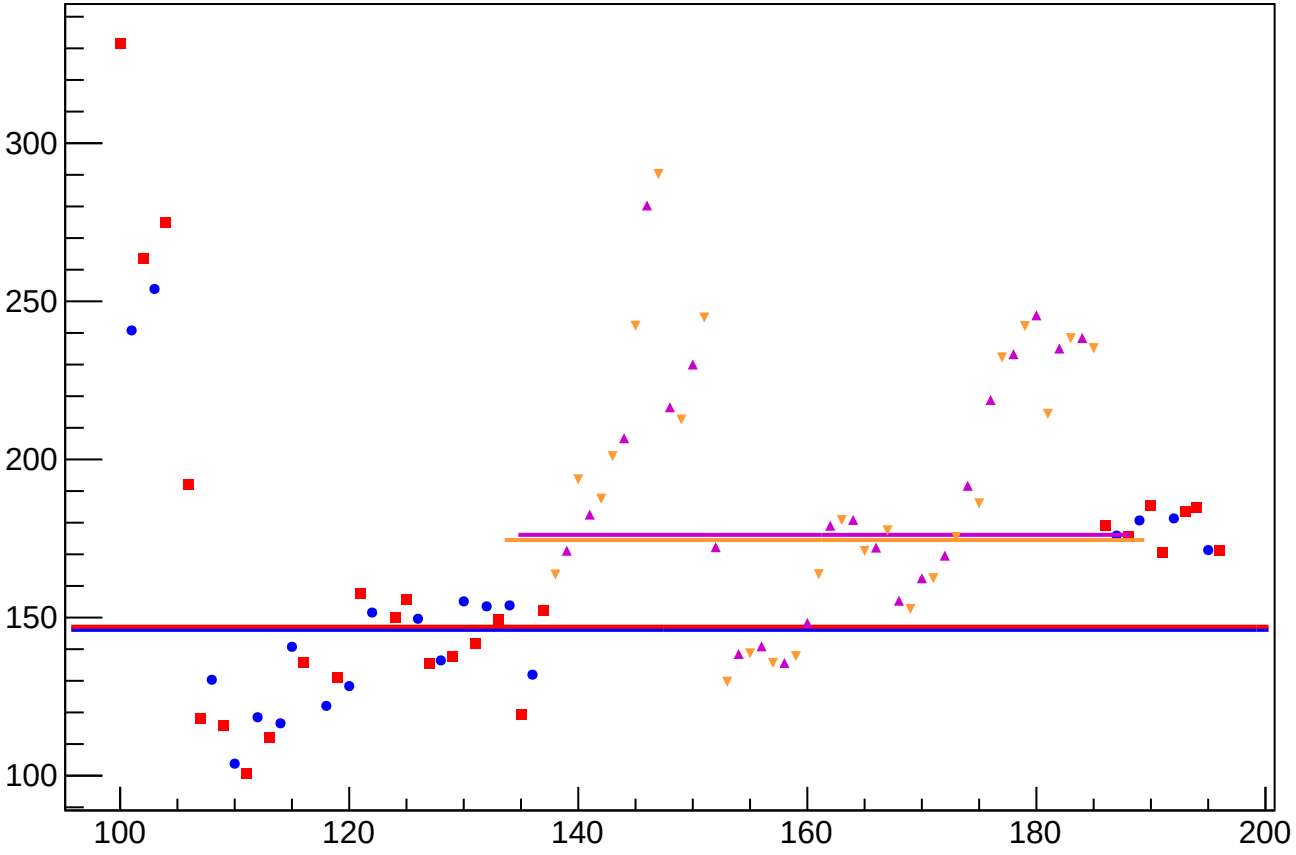
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 411.504+/-31.325 χ^2/NDF: 142959.2/44

All: 1294.853+/-21.933 χ^2/NDF: 332877.5/93

- sign 2144.419+/-30.720 χ^2/NDF: 188358.3/48

asym_bpm0i02WS_rms vs Slug



Right In: 146.114+/-0.034 χ^2/NDF: 855005.6/19

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 147.116+/-0.031 χ^2/NDF: 1277148.9/25

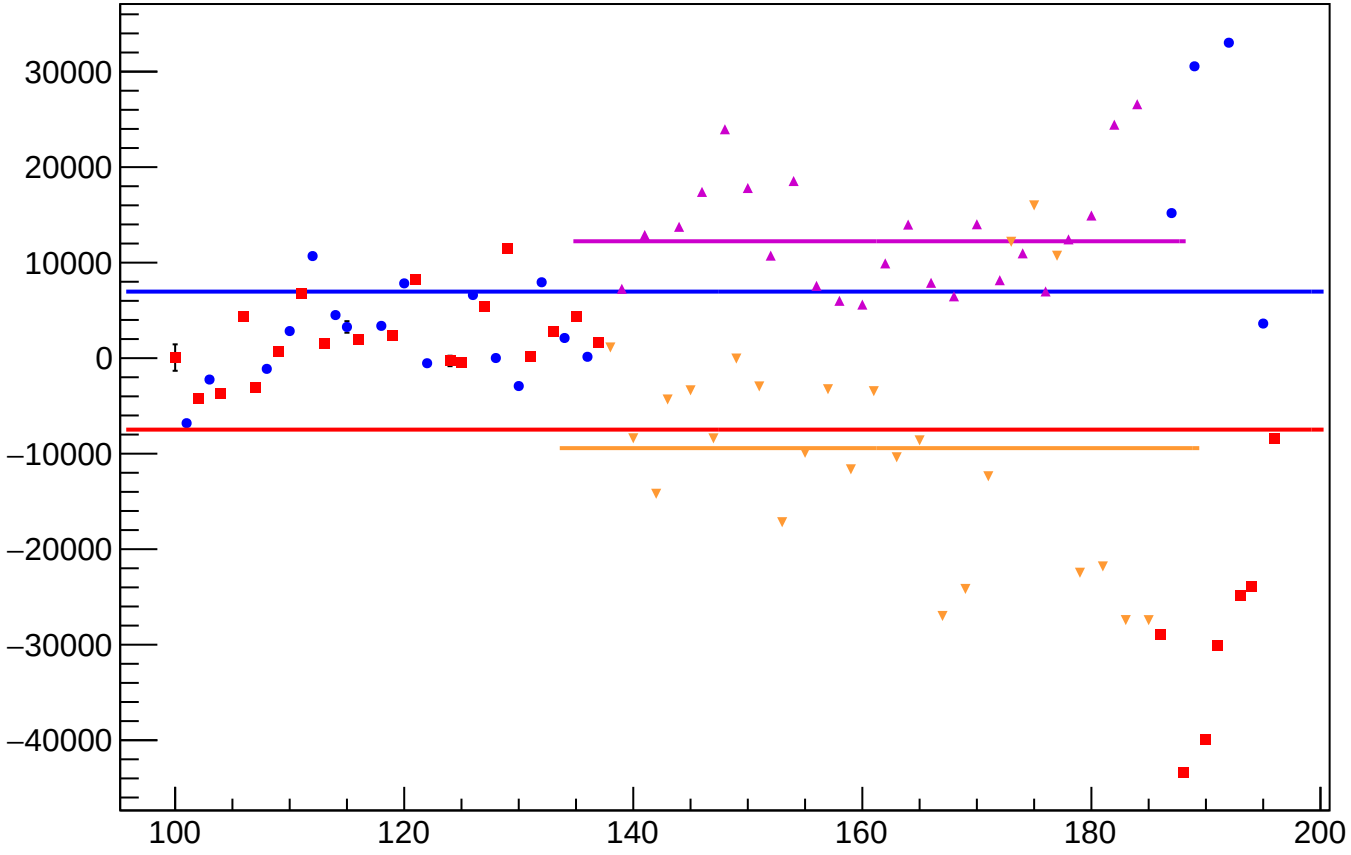
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.769+/-0.022 χ^2/NDF: 2913397.8/44

All: 162.498+/-0.016 χ^2/NDF: 6003901.0/93

- sign 162.237+/-0.022 χ^2/NDF: 3090209.6/48

asym_bpm0i02aWS_mean vs Slug



Right In: 6967.673+/-59.406 χ^2/NDF: 32480.0/19

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -7481.989+/-52.466 χ^2/NDF: 97546.8/25

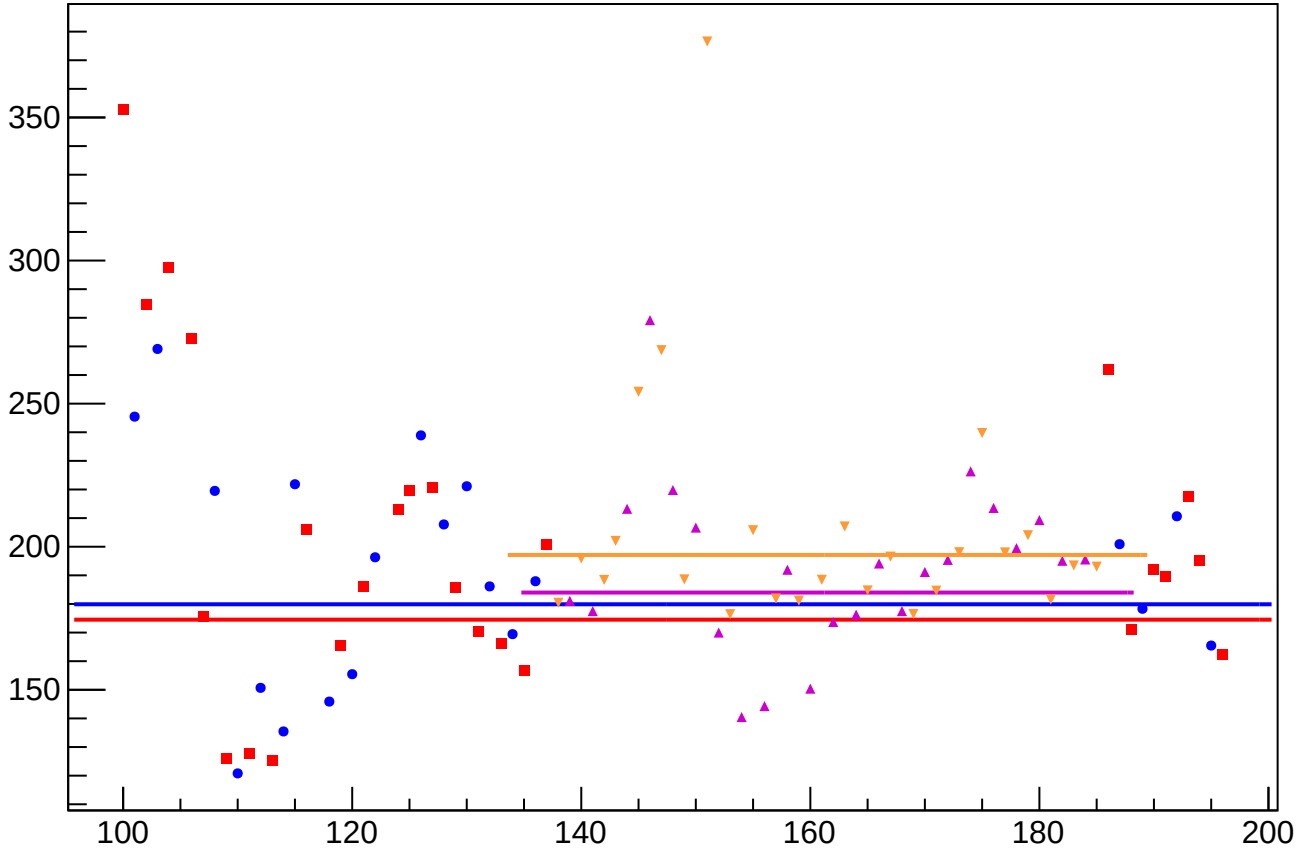
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3327.841+/-36.221 χ^2/NDF: 145008.5/44

All: 617.606+/-24.712 χ^2/NDF: 363411.5/93

- sign 4053.489+/-33.801 χ^2/NDF: 196205.1/48

asym_bpm0i02aWS_rms vs Slug



Right In: 179.886+/-0.042 χ^2/NDF: 733999.9/19

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.510+/-0.037 χ^2/NDF: 1187057.2/25

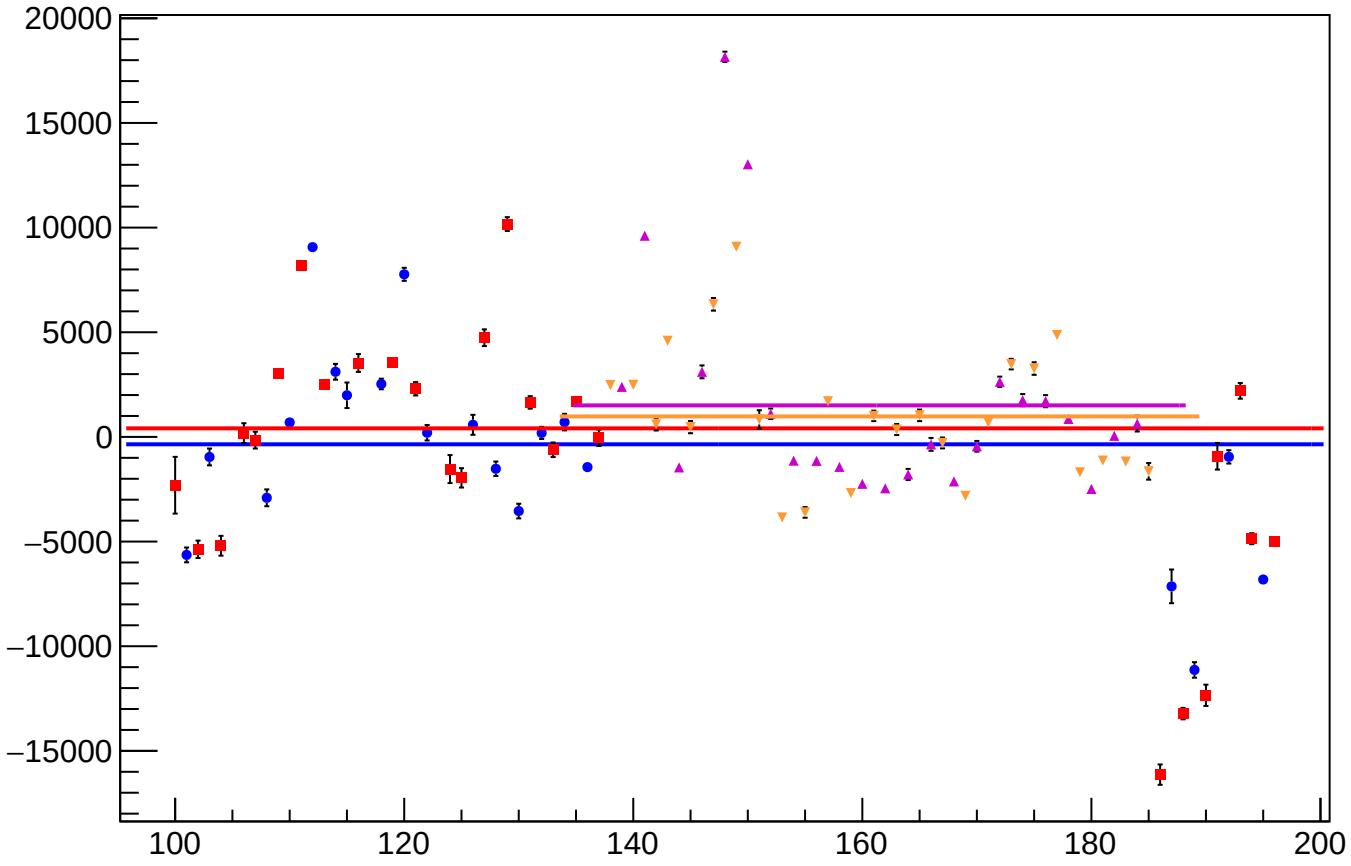
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.715+/-0.026 χ^2/NDF: 1572300.4/44

All: 185.016+/-0.017 χ^2/NDF: 3719932.0/93

- sign 180.052+/-0.024 χ^2/NDF: 2054996.5/48

asym_bpm0i05WS_mean vs Slug



Right In: -353.107+/-67.770 χ^2/NDF: 5043.3/19

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 408.858+/-59.674 χ^2/NDF: 9155.8/25

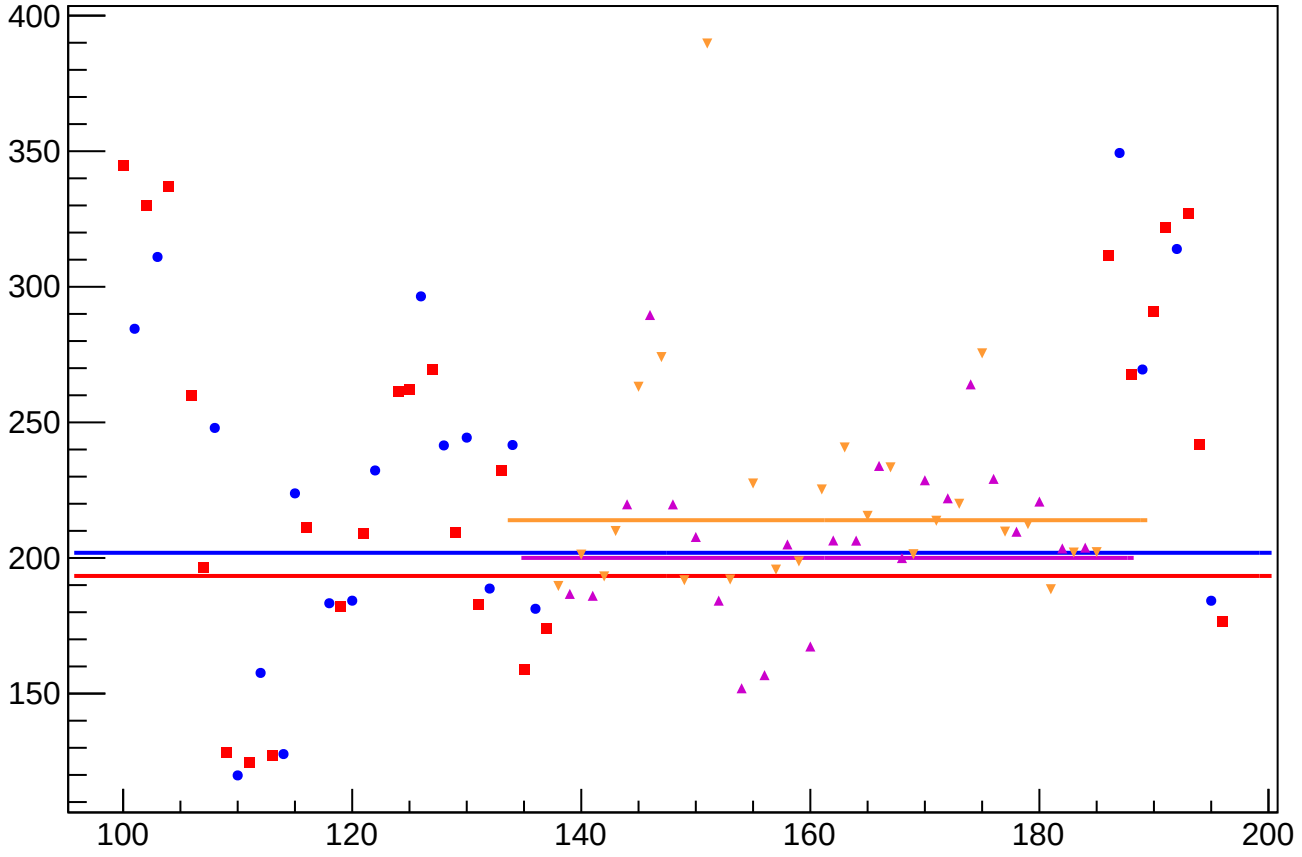
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 513.889+/-40.029 χ^2/NDF: 9617.6/44

All: 812.691+/-27.338 χ^2/NDF: 30563.2/93

- sign 1073.895+/-37.426 χ^2/NDF: 20841.2/48

asym_bpm0i05WS_rms vs Slug



Right In: 201.914+/-0.048 χ^2/NDF: 1383228.2/19

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.374+/-0.042 χ^2/NDF: 2227333.2/25

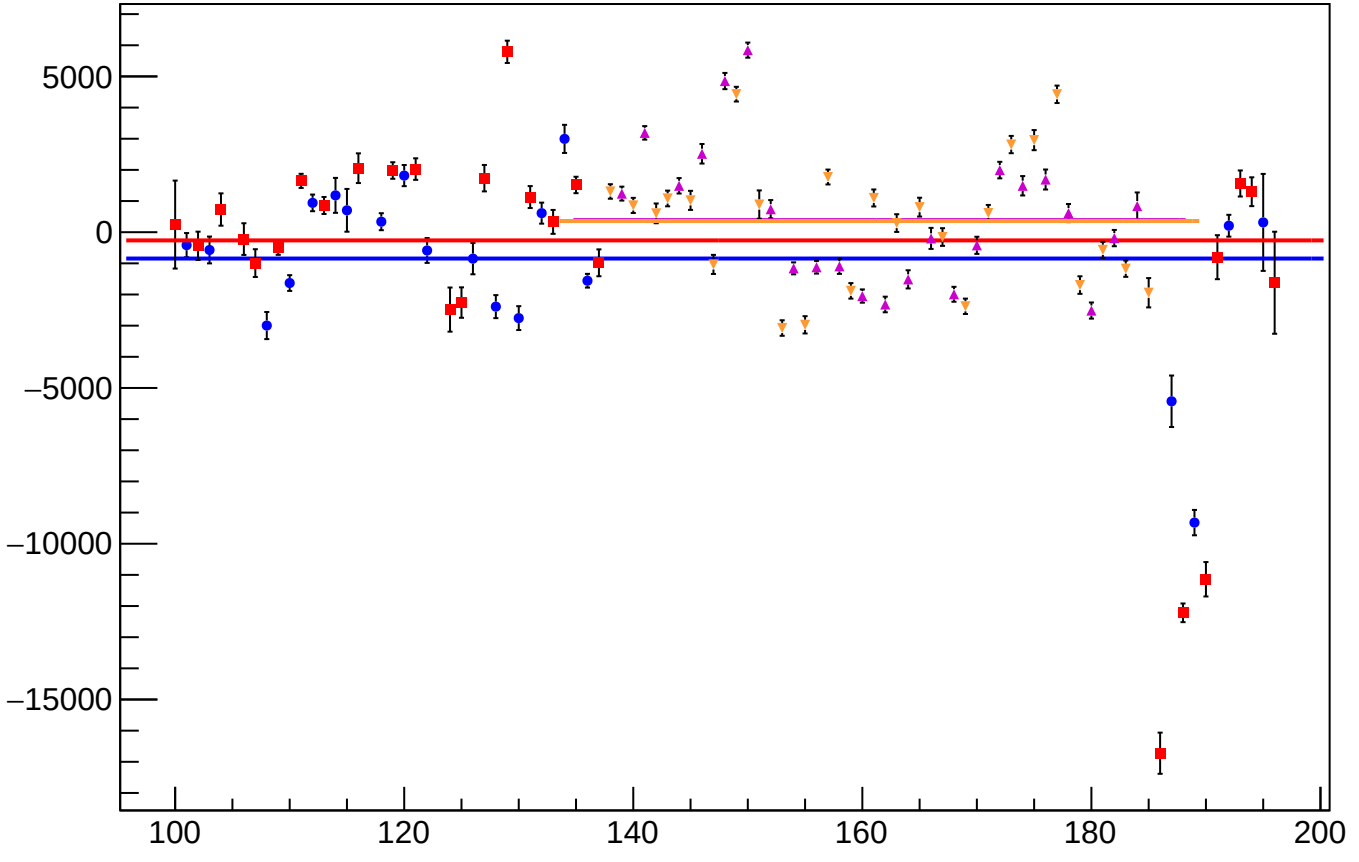
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.739+/-0.028 χ^2/NDF: 2157814.4/44

All: 203.162+/-0.019 χ^2/NDF: 5286956.8/93

- sign 197.412+/-0.026 χ^2/NDF: 3027954.0/48

asym_bpm0i07WS_mean vs Slug



Right In: -845.583+/-81.884 χ^2/NDF: 796.8/19

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -263.228+/-74.103 χ^2/NDF: 3268.7/25

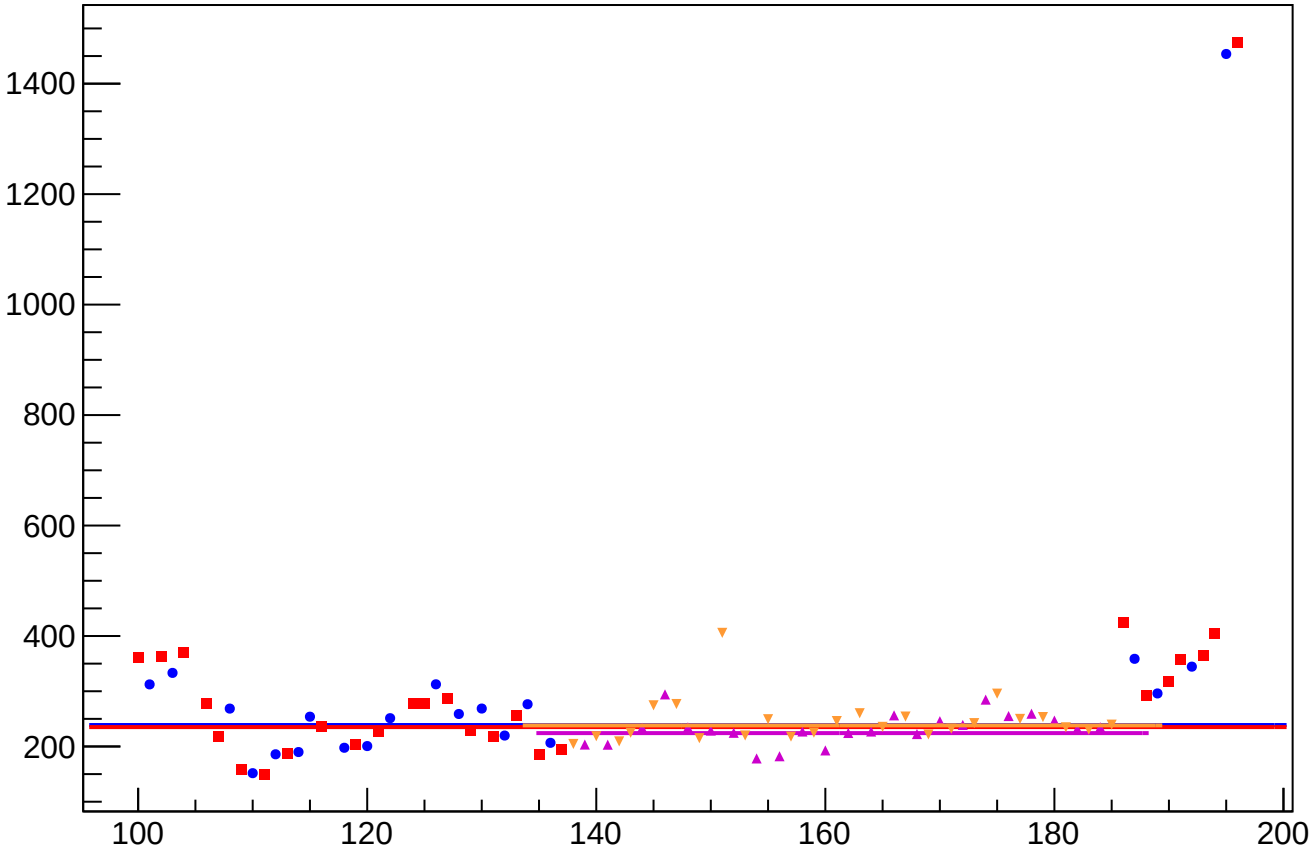
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.636+/-45.652 χ^2/NDF: 2364.8/44

All: 78.745+/-31.451 χ^2/NDF: 7496.4/93

- sign 164.012+/-43.392 χ^2/NDF: 5123.5/48

asym_bpm0i07WS_rms vs Slug



Right In: 238.838+/-0.058 χ^2/NDF: 2189011.3/19

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 235.101+/-0.052 χ^2/NDF: 3050816.2/25

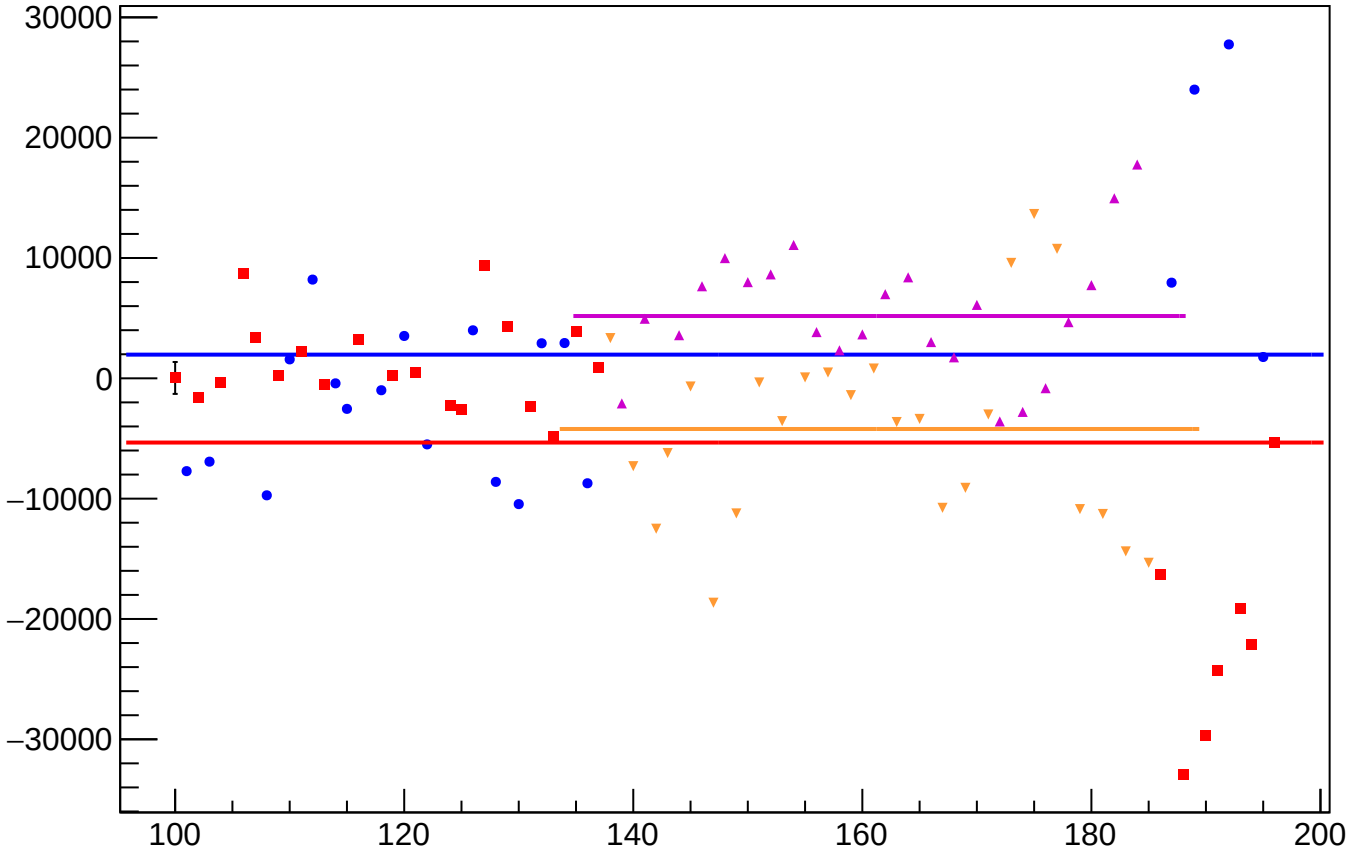
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 238.398+/-0.032 χ^2/NDF: 2757030.6/44

All: 232.907+/-0.022 χ^2/NDF: 6454536.6/93

- sign 227.945+/-0.031 χ^2/NDF: 3642423.8/48

asym_bpm1i02WS_mean vs Slug



Right In: 1968.852+/-41.418 χ^2/NDF: 68454.8/19

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5337.653+/-37.419 χ^2/NDF: 101168.5/25

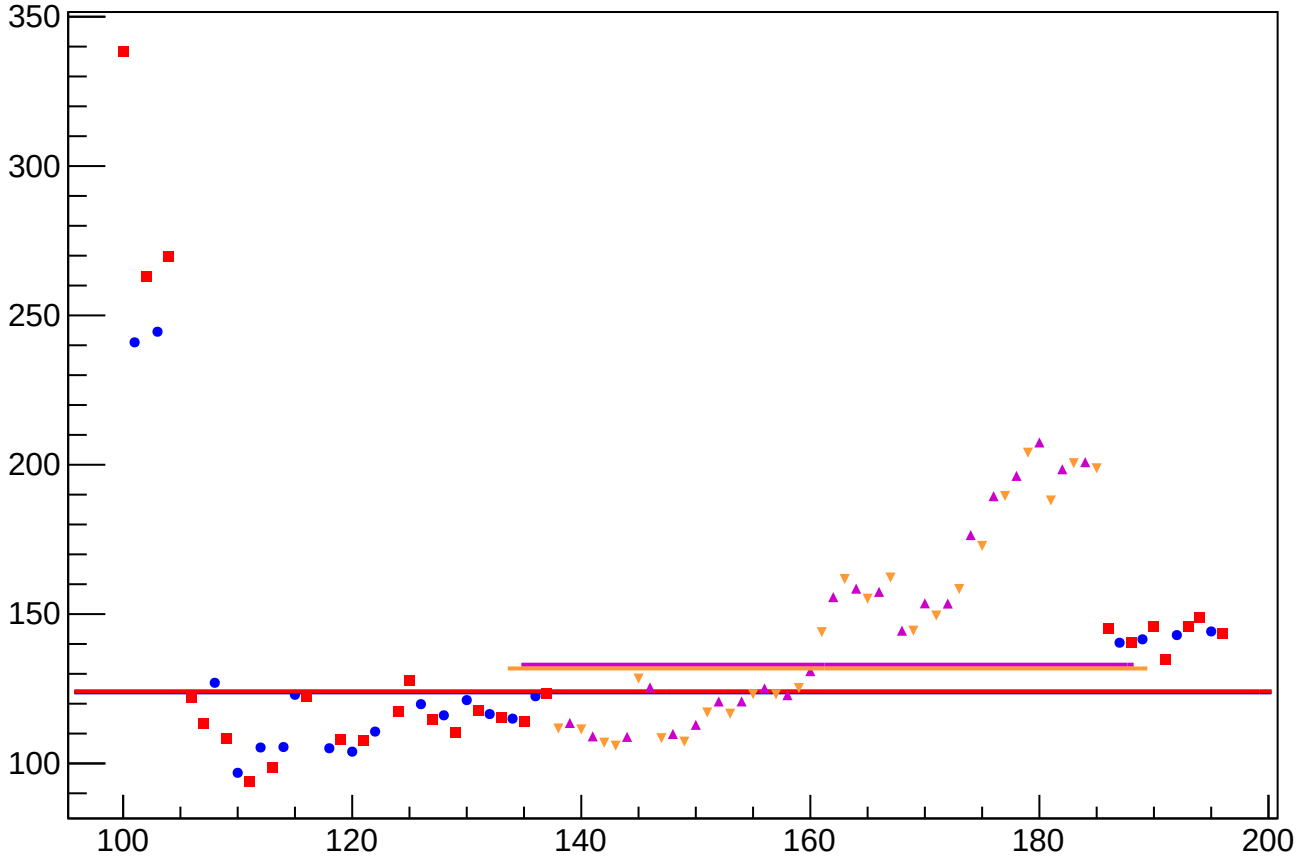
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2007.594+/-24.730 χ^2/NDF: 139581.5/44

All: -609.504+/-17.335 χ^2/NDF: 311229.0/93

- sign 741.100+/-24.306 χ^2/NDF: 165363.8/48

asym_bpm1i02WS_rms vs Slug



Right In: 123.799+/-0.029 χ^2/NDF: 850316.3/19

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 124.160+/-0.026 χ^2/NDF: 1110648.6/25

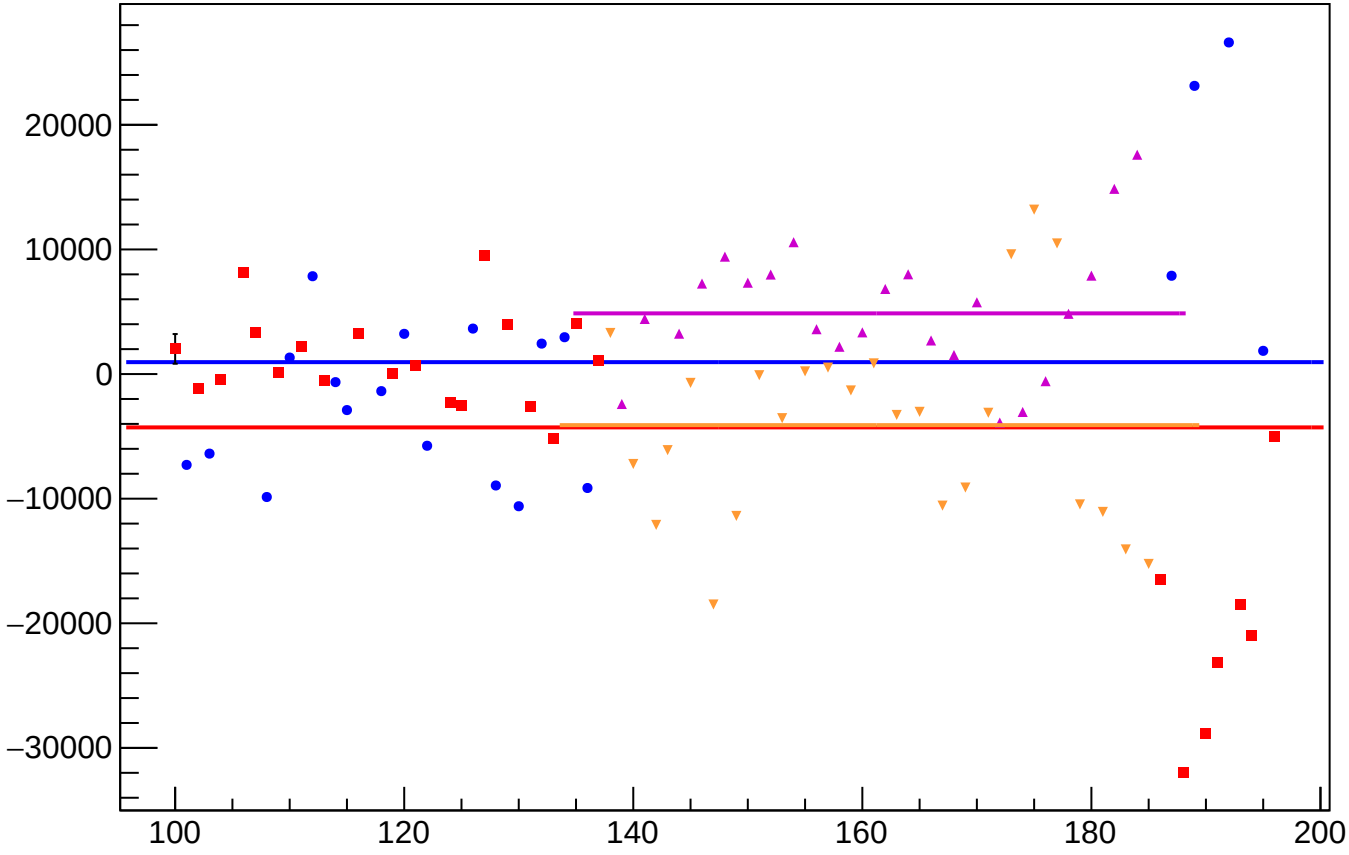
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.946+/-0.017 χ^2/NDF: 2442659.4/44

All: 129.129+/-0.012 χ^2/NDF: 5037202.8/93

- sign 129.305+/-0.017 χ^2/NDF: 2594328.5/48

asym_bpm2i01WS_mean vs Slug



Right In: 956.350+/-36.941 χ^2/NDF: 74207.1/19

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4280.596+/-33.890 χ^2/NDF: 107101.4/25

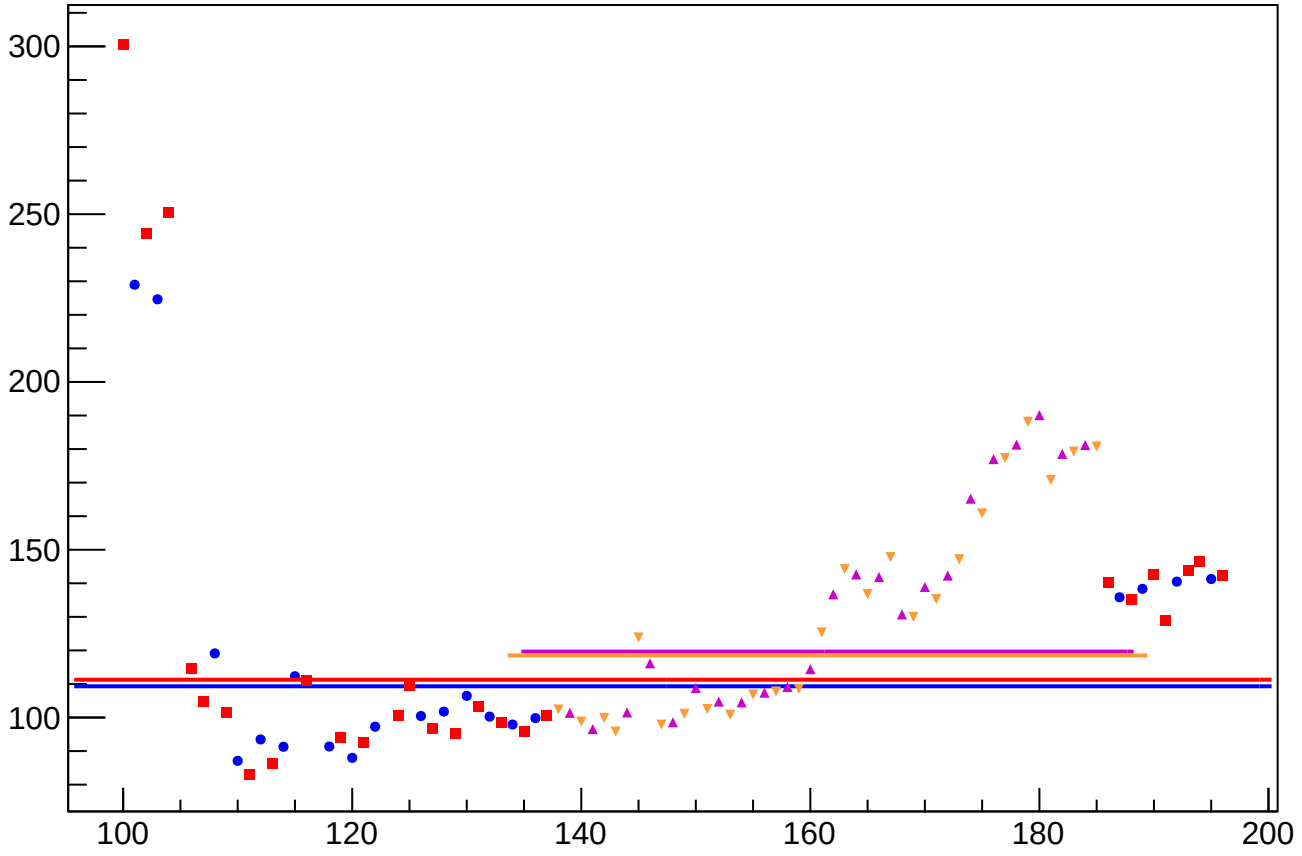
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -2273.496+/-22.198 χ^2/NDF: 152443.2/44

All: -602.517+/-15.608 χ^2/NDF: 334984.8/93

\- sign 1031.268+/-21.950 χ^2/NDF: 171335.0/48

asym_bpm2i01WS_rms vs Slug



Right In: 109.309+/-0.026 χ^2/NDF: 1123504.3/19

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

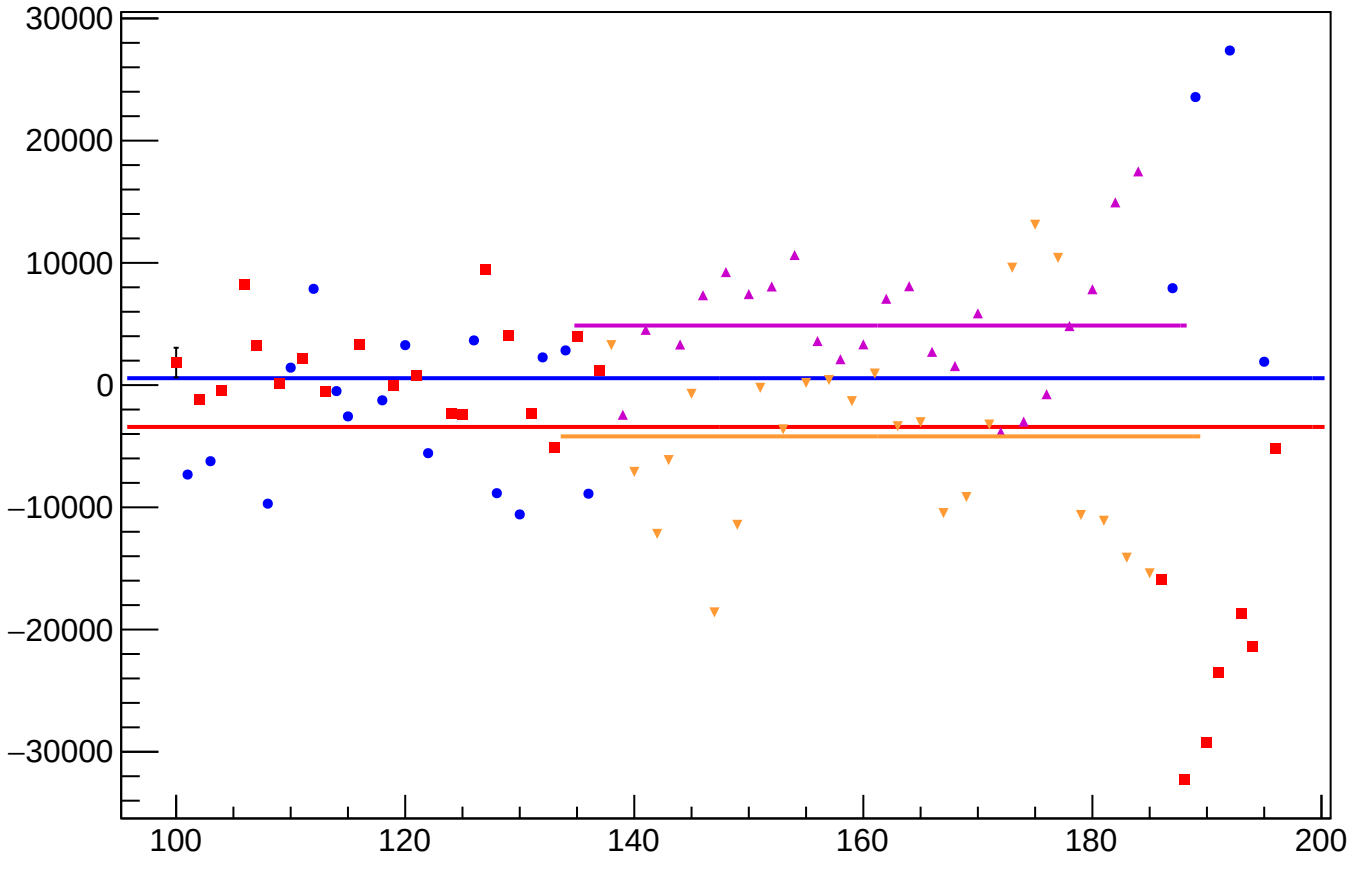
Right Out: 111.272+/-0.024 χ^2/NDF: 1463845.3/25

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 115.182+/-0.016 χ^2/NDF: 2829775.1/44

All: 115.663+/-0.011 χ^2/NDF: 5878714.2/93

- sign 116.133+/-0.016 χ^2/NDF: 3047085.0/48



Right In: 565.148+/-35.938 χ^2/NDF: 72287.1/19

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3423.474+/-33.157 χ^2/NDF: 100472.8/25

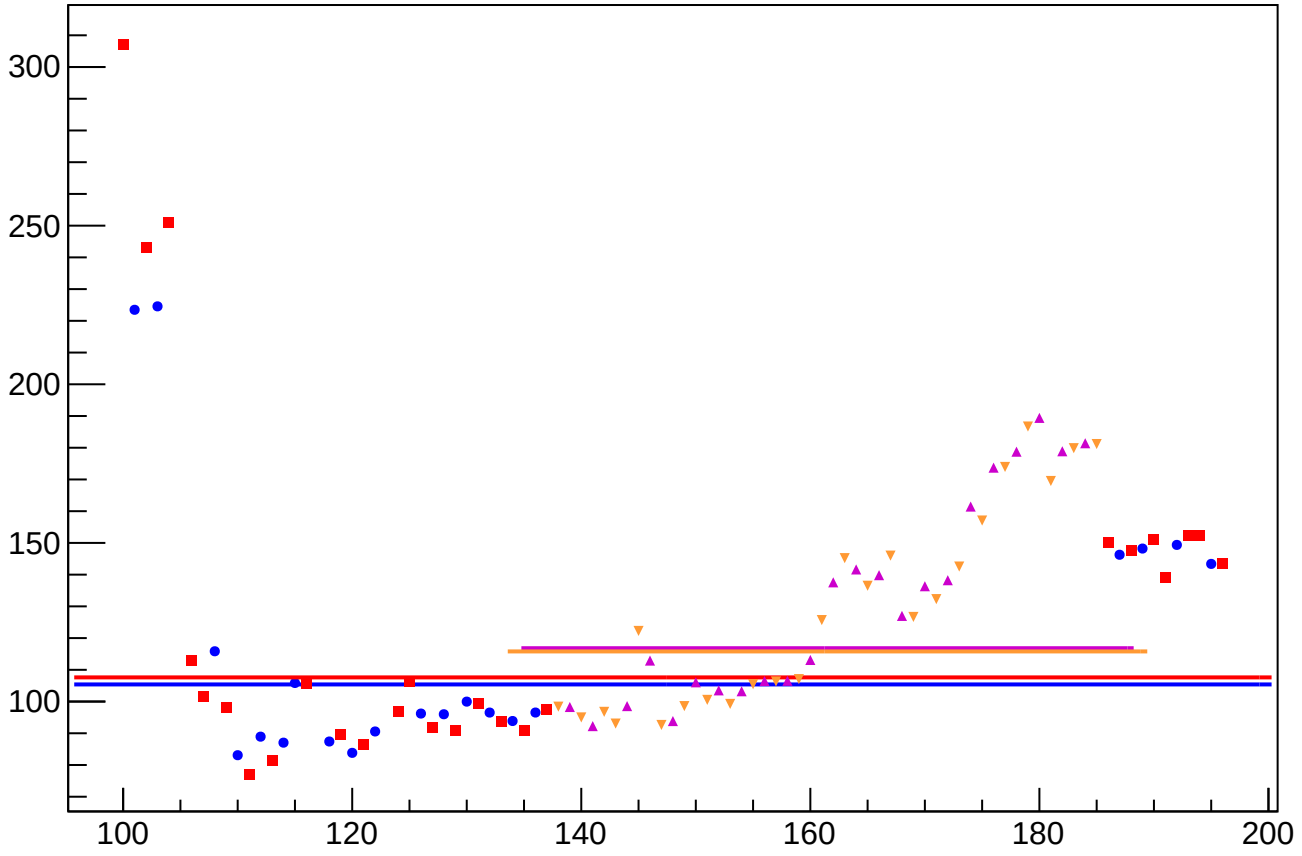
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -2461.966+/-21.694 χ^2/NDF: 153865.3/44

All: -516.709+/-15.264 χ^2/NDF: 329517.4/93

- sign 1390.666+/-21.481 χ^2/NDF: 159727.6/48

asym_bpm2i02WS_rms vs Slug



Right In: 105.392+/-0.025 χ^2/NDF: 1346958.9/19

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 107.612+/-0.023 χ^2/NDF: 1880382.2/25

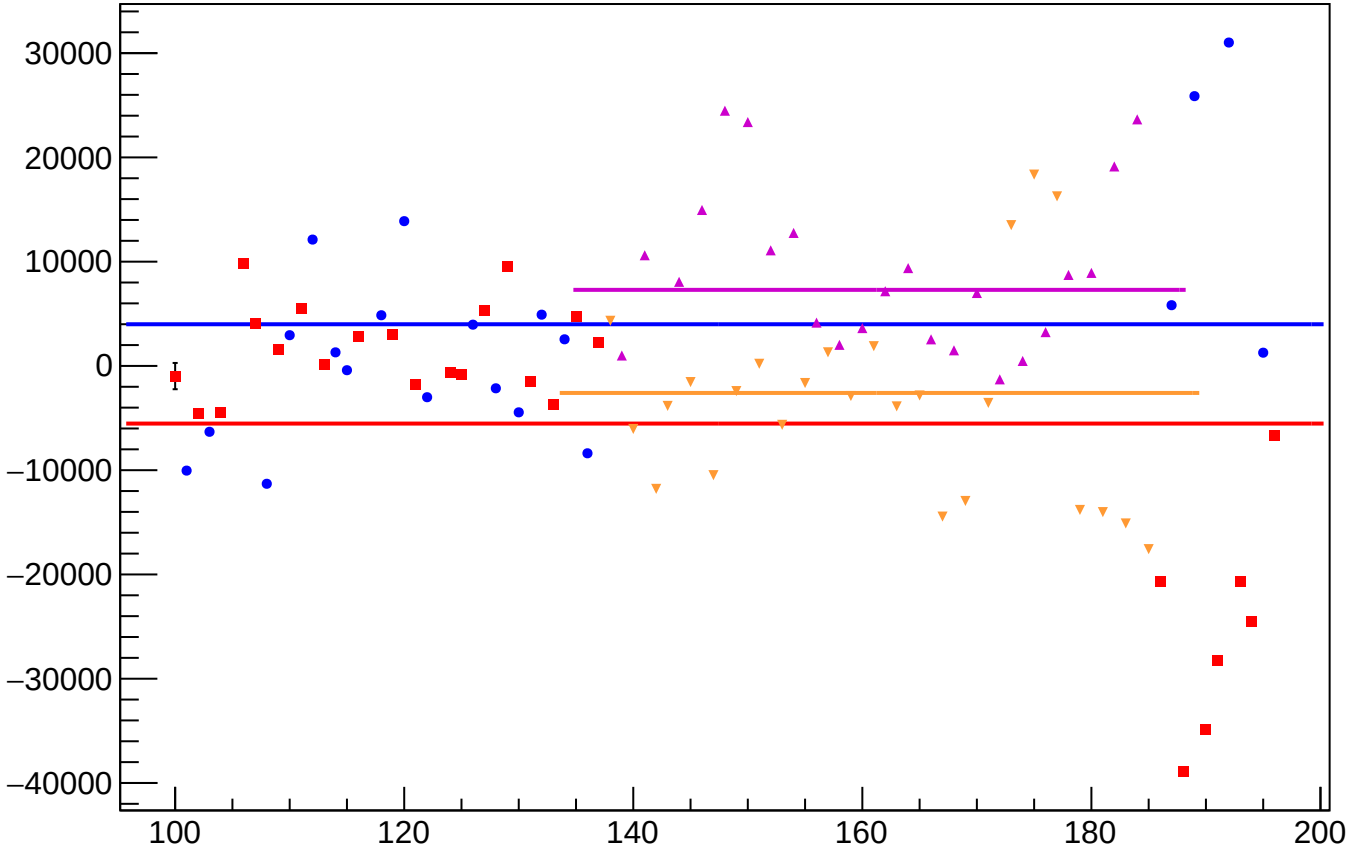
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 112.006+/-0.015 χ^2/NDF: 3202570.1/44

All: 112.482+/-0.011 χ^2/NDF: 6791787.0/93

- sign 112.948+/-0.015 χ^2/NDF: 3587311.7/48

asym_bpm0i01WS_mean vs Slug



Right In: 3997.195+/-49.106 χ^2/NDF: 53743.8/19

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5528.911+/-45.096 χ^2/NDF: 93407.6/25

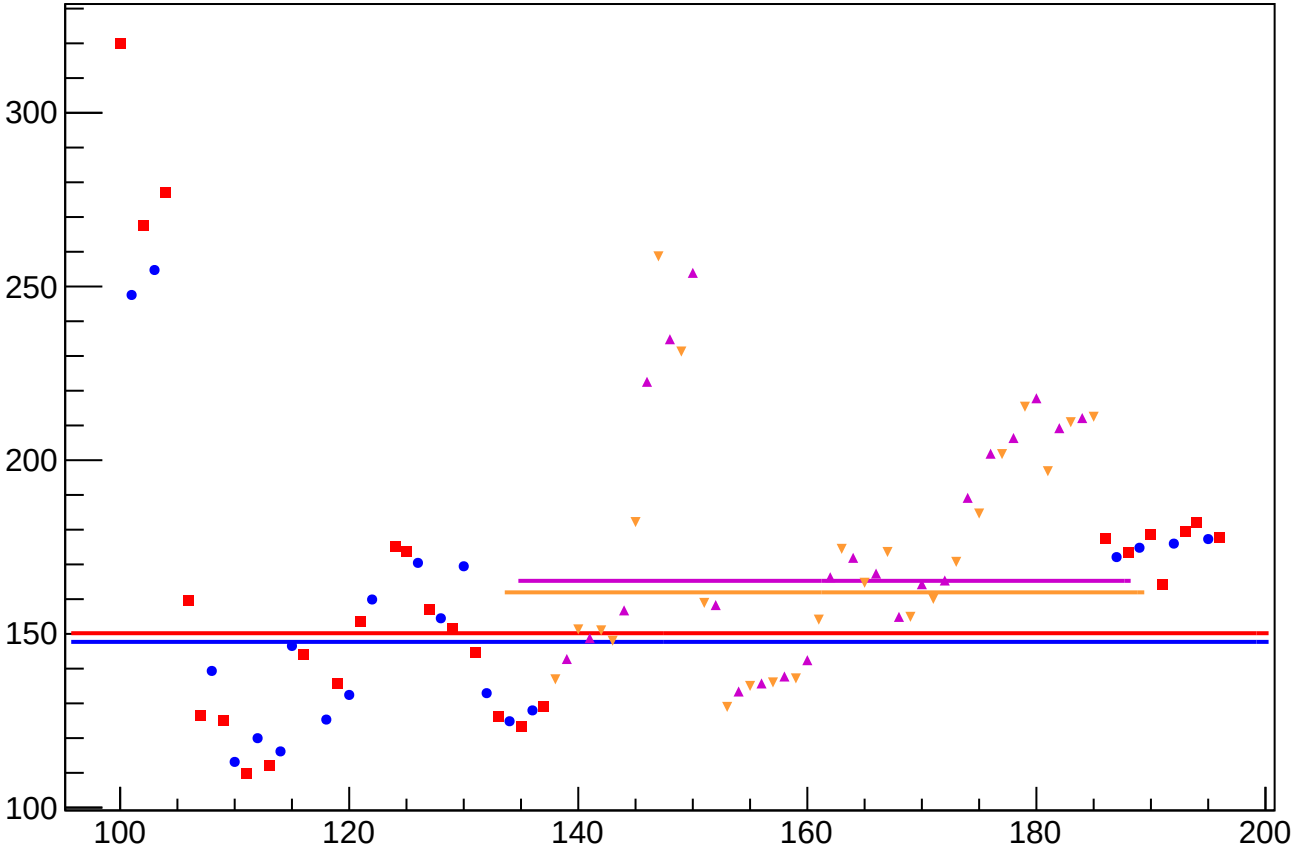
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -152.727+/-29.875 χ^2/NDF: 113077.3/44

All: 785.836+/-21.079 χ^2/NDF: 278885.0/93

- sign 1716.268+/-29.746 χ^2/NDF: 163842.3/48

asym_bpm0i01WS_rms vs Slug



Right In: 147.700+/-0.035 χ^2/NDF: 839219.5/19

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

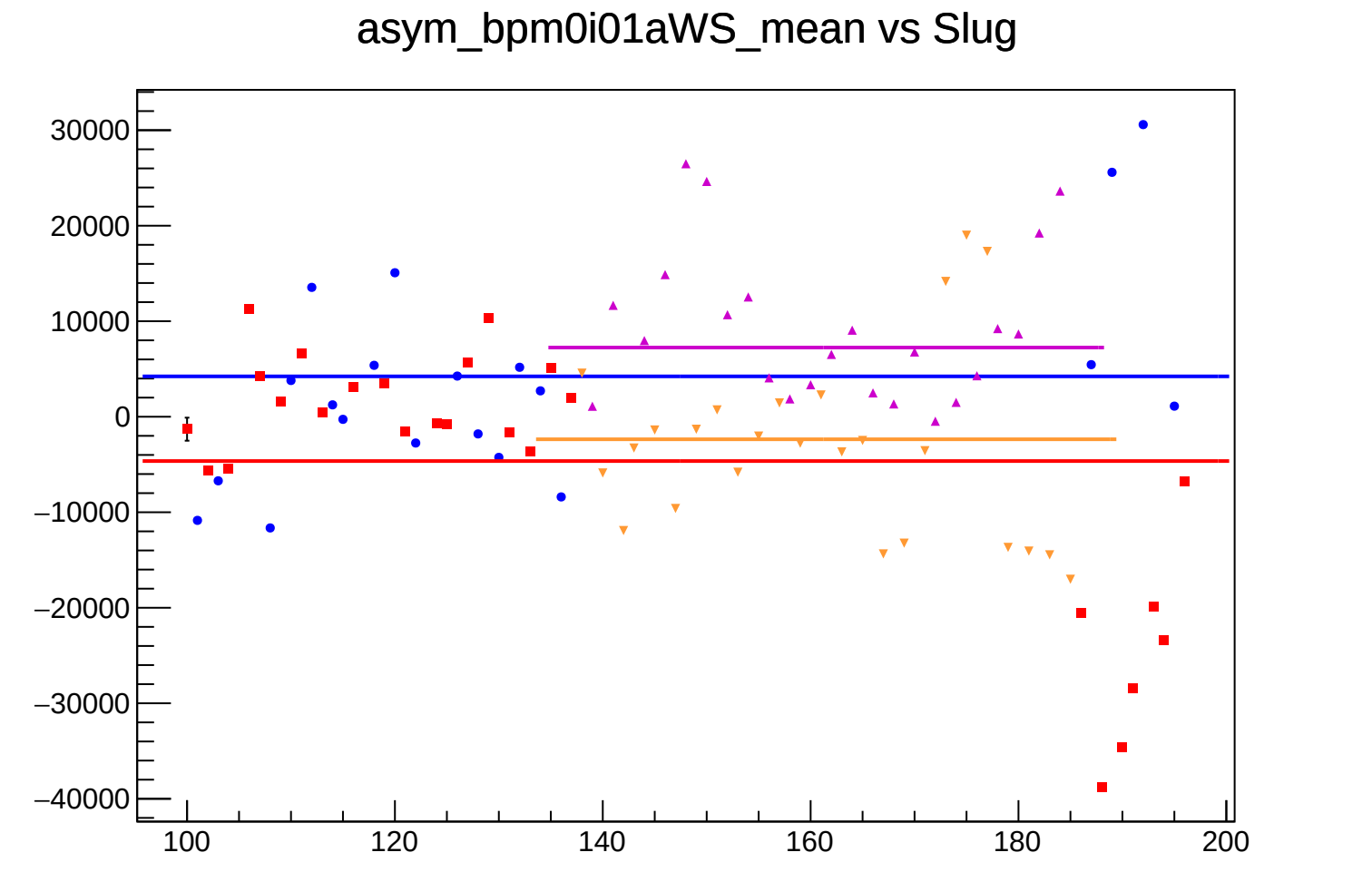
Right Out: 150.196+/-0.032 χ^2/NDF: 1095346.5/25

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 156.680+/-0.021 χ^2/NDF: 2090210.7/44

All: 157.701+/-0.015 χ^2/NDF: 4495585.5/93

- sign 158.713+/-0.021 χ^2/NDF: 2400724.5/48



Right In: 4226.977+/-41.406 χ^2/NDF: 74229.4/19

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4639.277+/-37.821 χ^2/NDF: 129228.5/25

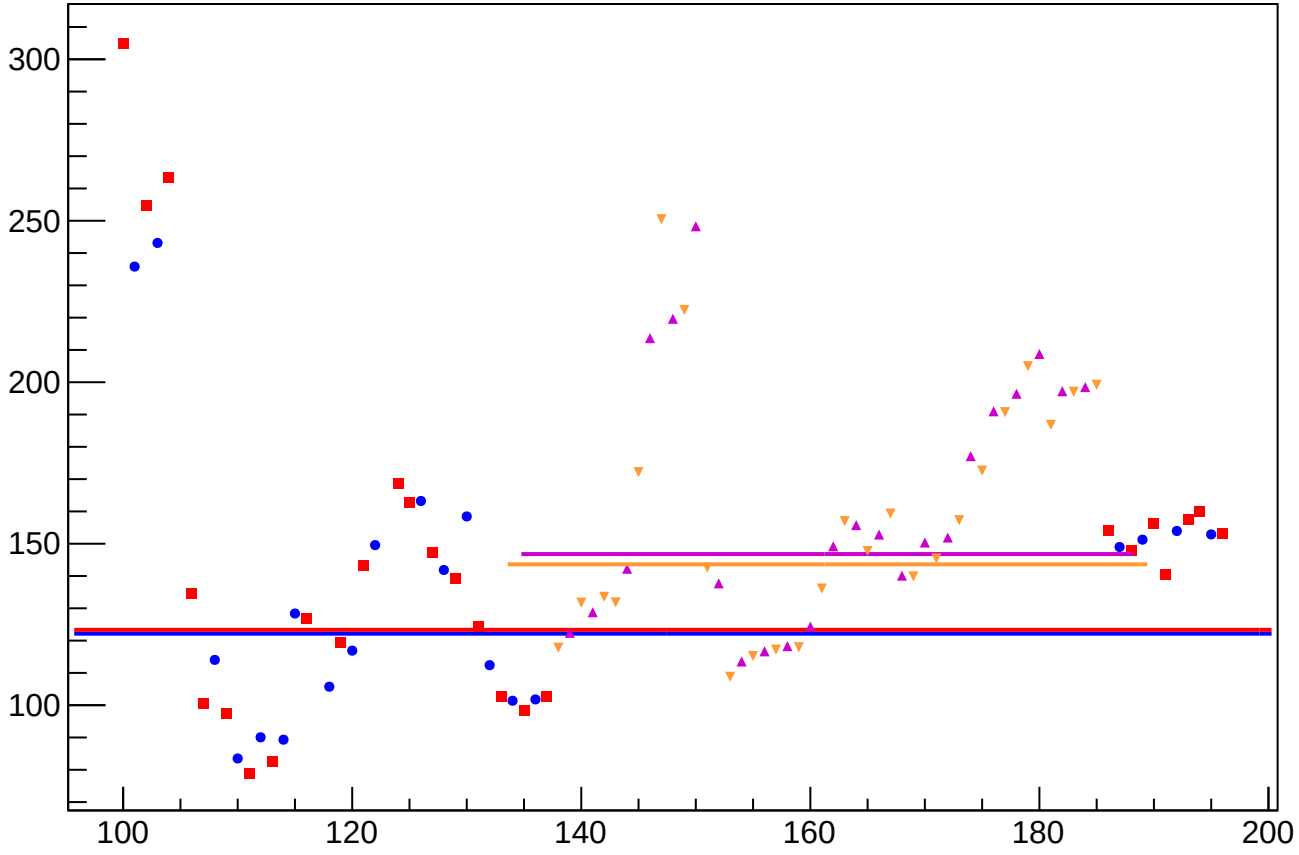
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 262.404+/-26.128 χ^2/NDF: 148029.6/44

All: 976.467+/-18.389 χ^2/NDF: 361664.4/93

- sign 1677.416+/-25.887 χ^2/NDF: 212154.7/48

asym_bpm0i01aWS_rms vs Slug



Right In: 122.151+/-0.029 χ^2/NDF: 1363287.8/19

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 123.345+/-0.027 χ^2/NDF: 1806274.7/25

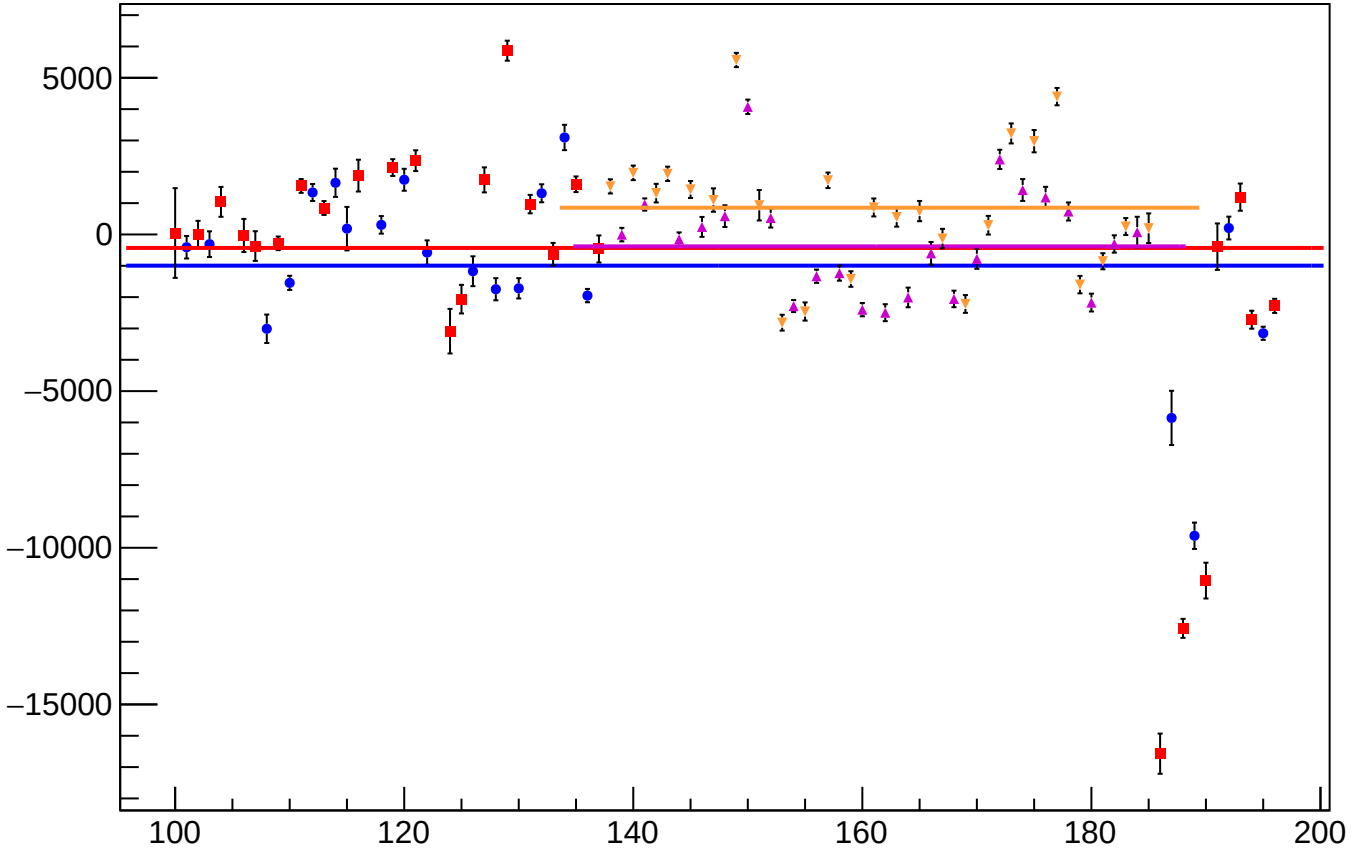
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 135.073+/-0.018 χ^2/NDF: 3349761.0/44

All: 135.444+/-0.013 χ^2/NDF: 7259950.3/93

- sign 135.809+/-0.018 χ^2/NDF: 3909388.7/48

asym_bpm0l01WS_mean vs Slug



Right In: -995.608+/-73.431 χ^2/NDF: 992.1/19

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -429.918+/-66.452 χ^2/NDF: 3576.1/25

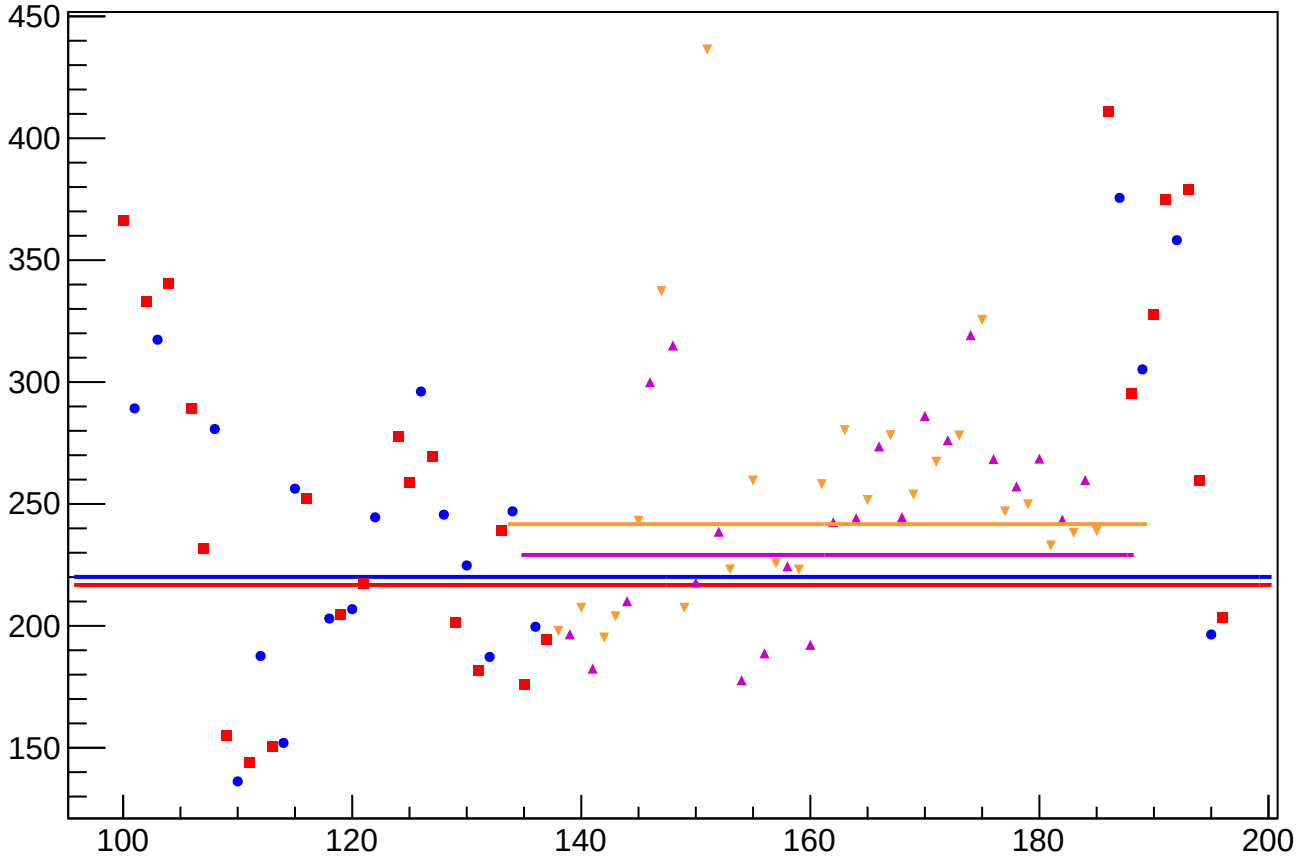
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 170.175+/-44.648 χ^2/NDF: 2835.8/44

All: -129.865+/-30.757 χ^2/NDF: 7480.5/93

- sign -400.865+/-42.432 χ^2/NDF: 4558.8/48

asym_bpm0l01WS_rms vs Slug



Right In: 220.090+/-0.052 χ^2/NDF: 1169270.3/19

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.799+/-0.047 χ^2/NDF: 1901080.5/25

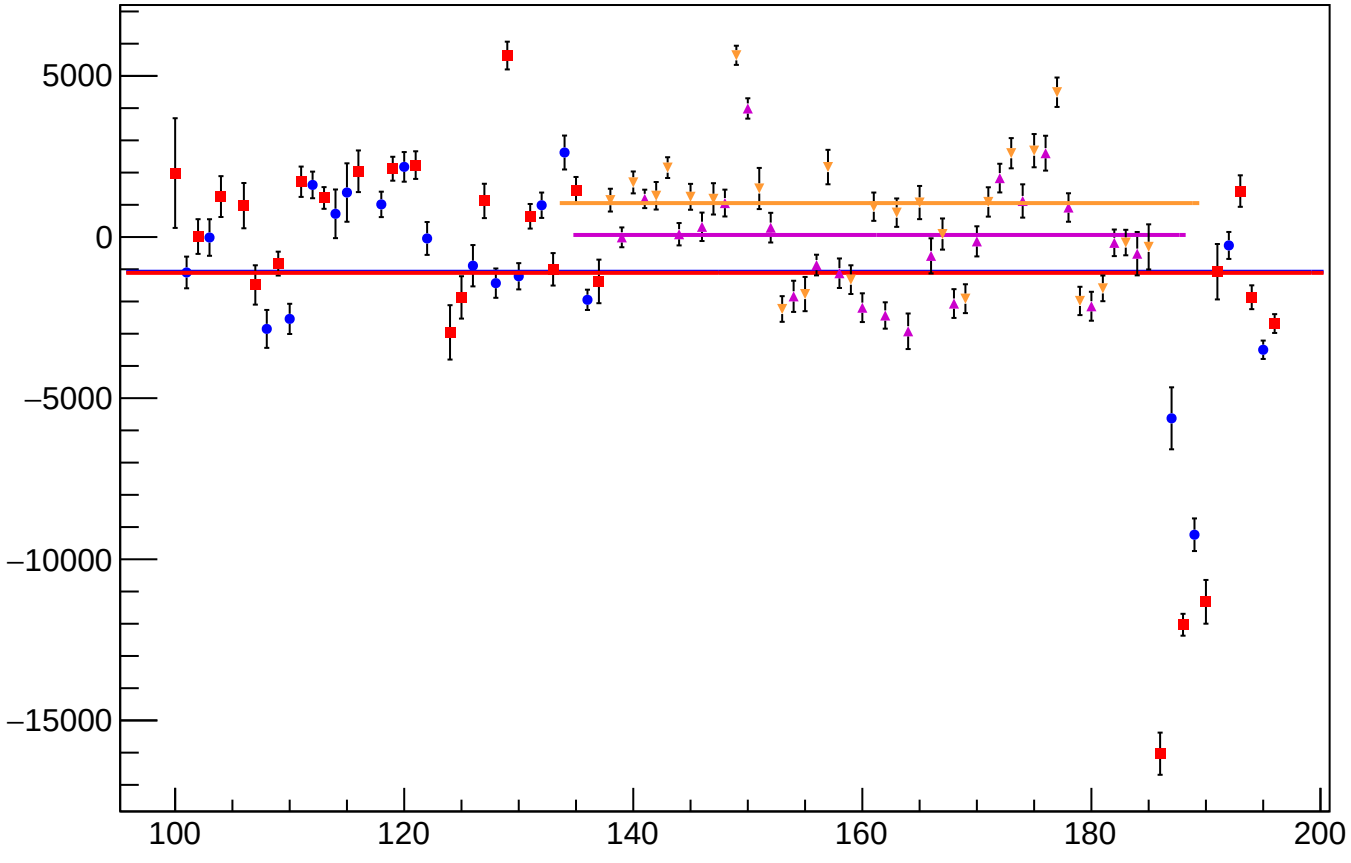
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.740+/-0.032 χ^2/NDF: 2265300.4/44

All: 228.668+/-0.022 χ^2/NDF: 5325081.0/93

- sign 224.087+/-0.030 χ^2/NDF: 3010653.2/48

asym_bpm0l02WS_mean vs Slug



Right In: -1076.922+/-102.620 χ^2/NDF: 603.3/19

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -1111.271+/-92.871 χ^2/NDF: 2446.6/25

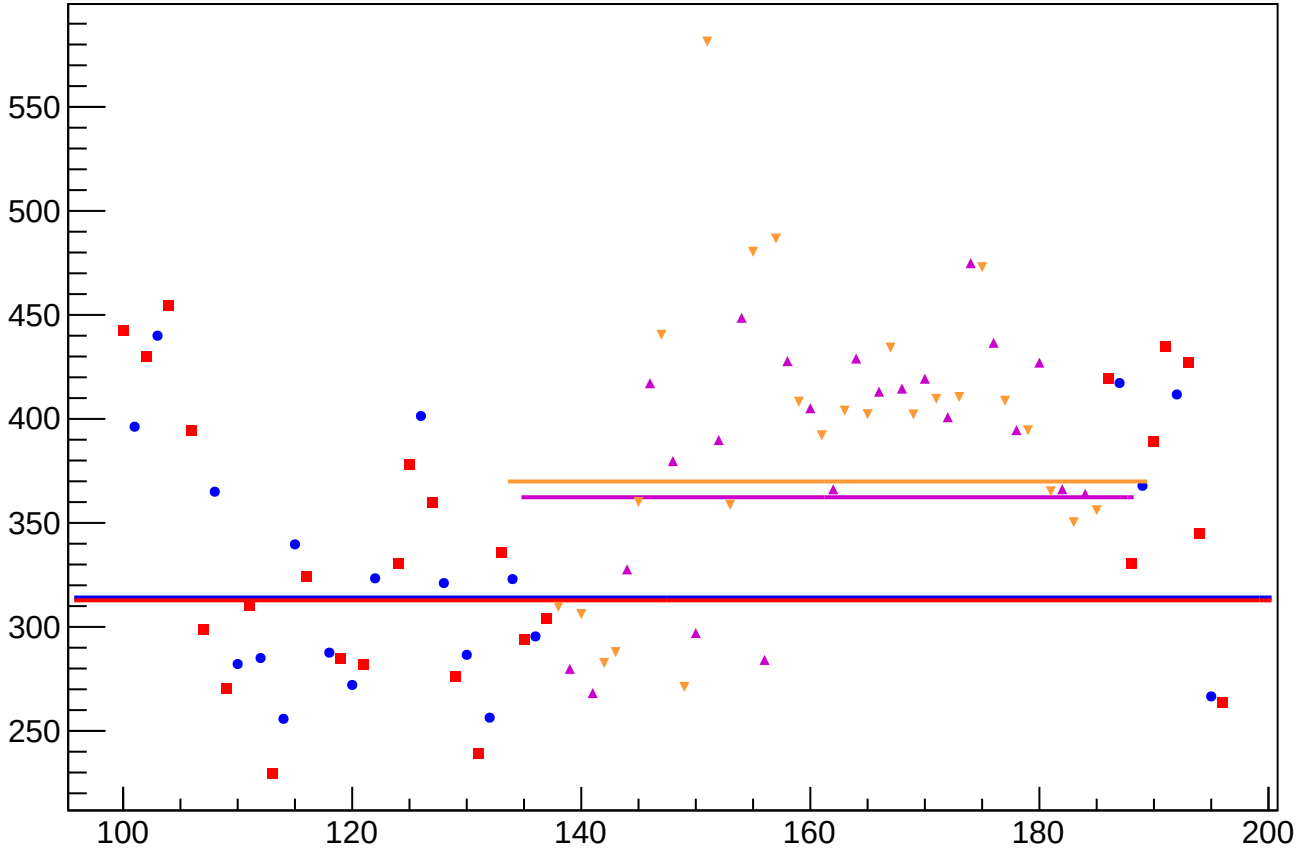
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 175.738+/-65.867 χ^2/NDF: 1471.4/44

All: -166.242+/-45.663 χ^2/NDF: 4450.0/93

- sign -482.680+/-63.360 χ^2/NDF: 2926.7/48

asym_bpm0l02WS_rms vs Slug



Right In: 314.132+/-0.073 χ^2/NDF: 535628.7/19

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 312.784+/-0.066 χ^2/NDF: 845322.1/25

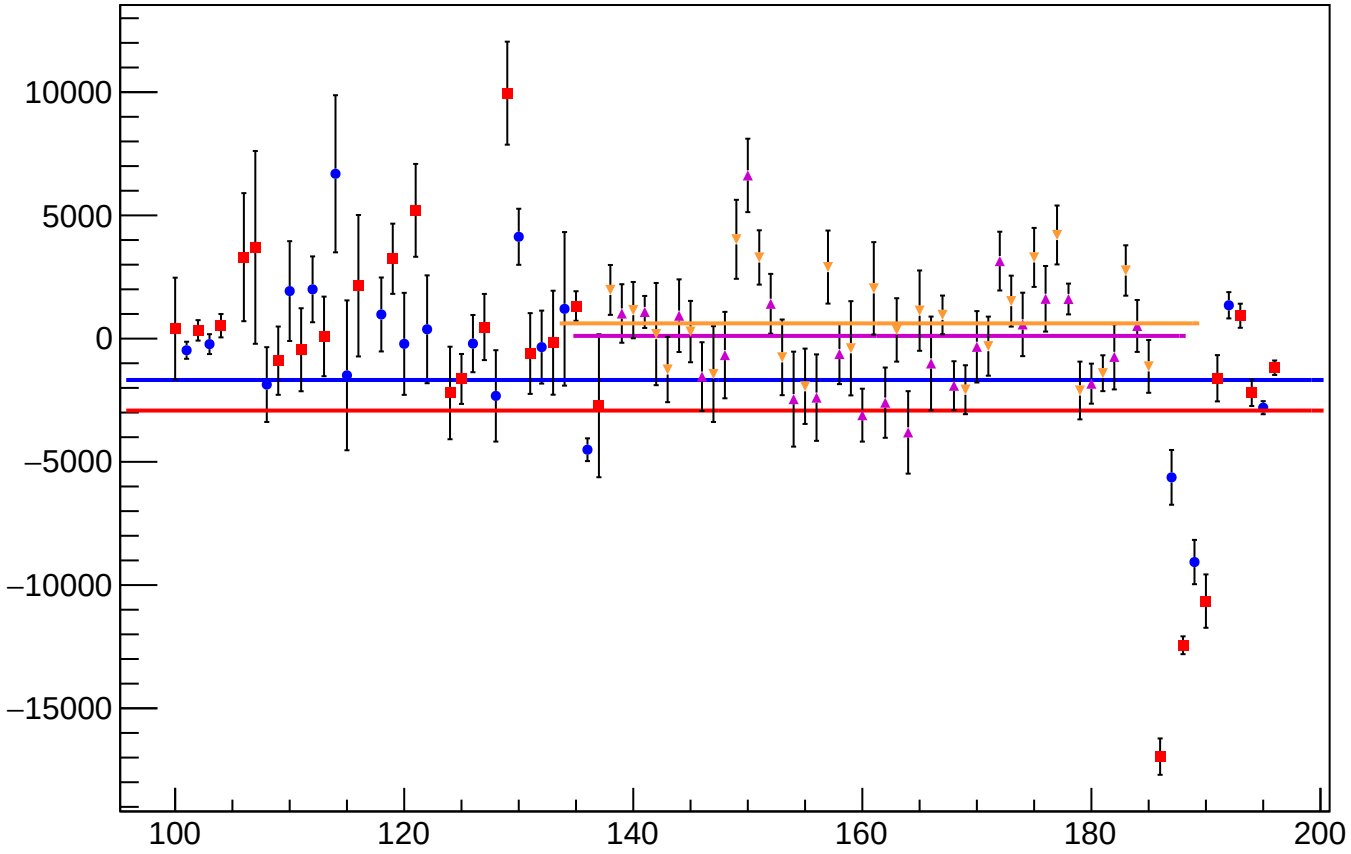
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 346.939+/-0.047 χ^2/NDF: 2113543.3/44

All: 342.958+/-0.032 χ^2/NDF: 4330745.0/93

- sign 339.275+/-0.045 χ^2/NDF: 2203138.2/48

asym_bpm0l03WS_mean vs Slug



Right In: -1678.684+/-151.341 χ^2/NDF: 244.8/19

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2919.273+/-142.604 χ^2/NDF: 1482.1/25

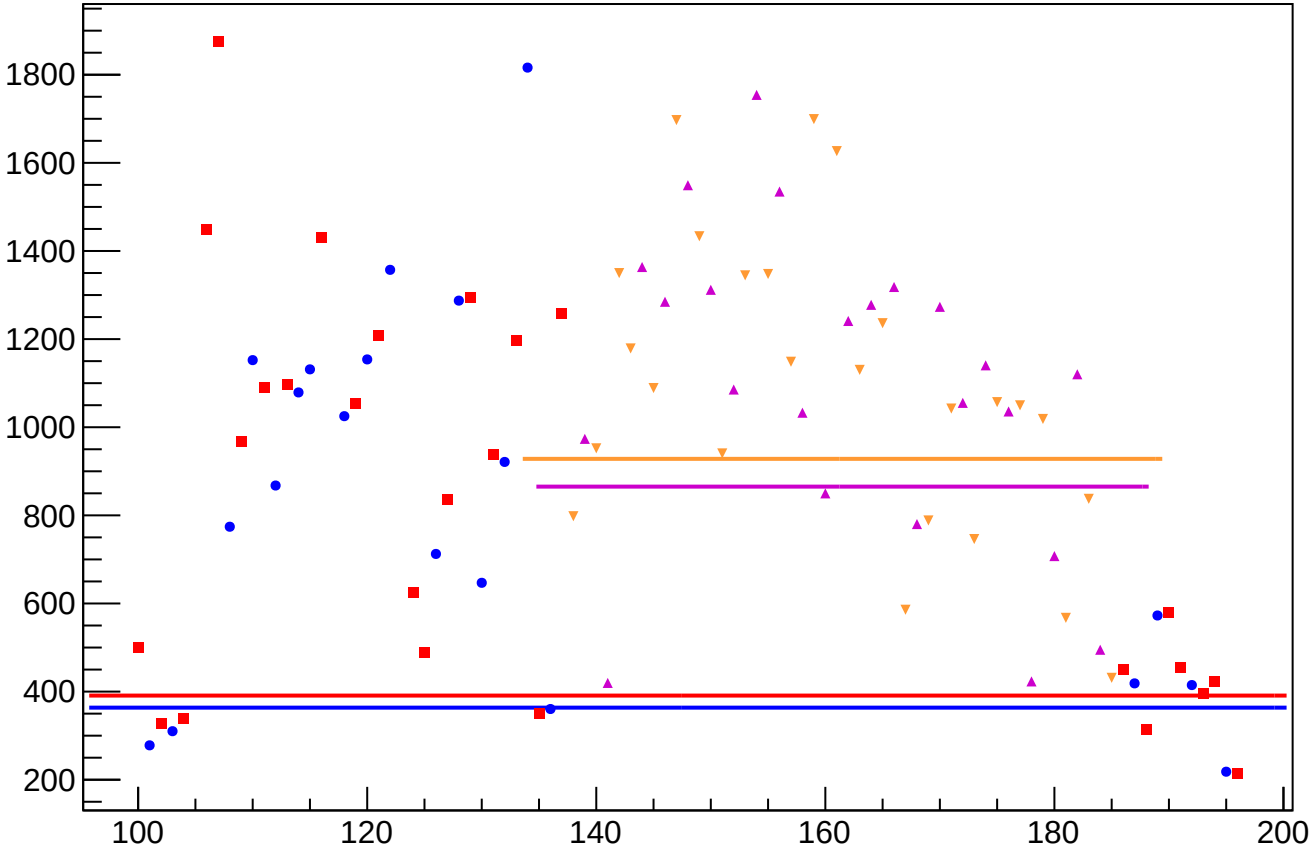
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -1017.842+/-127.731 χ^2/NDF: 376.8/44

All: -1591.951+/-88.338 χ^2/NDF: 2088.7/93

- sign -2118.298+/-122.303 χ^2/NDF: 1673.1/48

asym_bpm0l03WS_rms vs Slug



Right In: 363.614+/-0.107 χ^2/NDF: 4466423.5/19

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 390.982+/-0.101 χ^2/NDF: 5097673.8/25

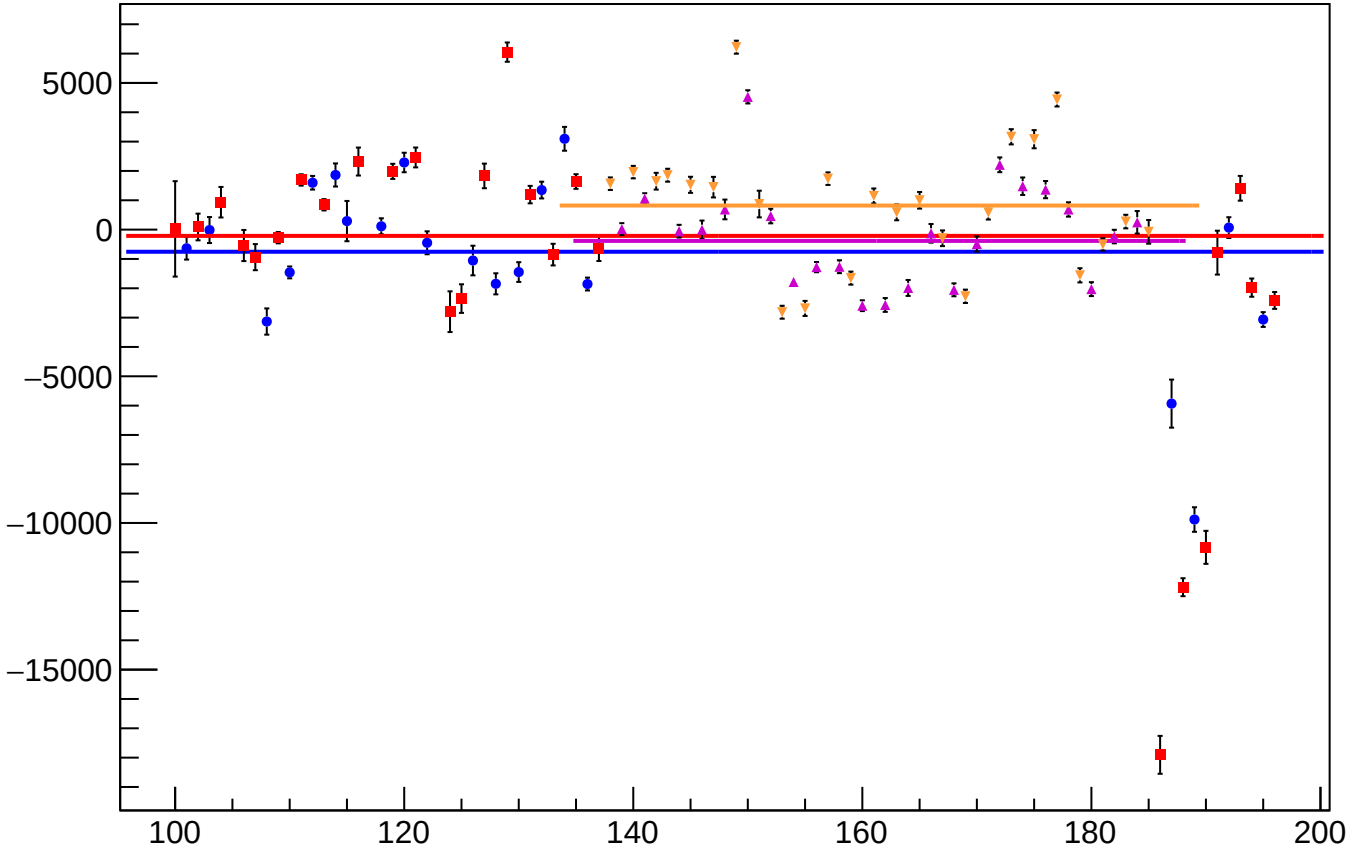
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 526.040+/-0.090 χ^2/NDF: 15769273.9/44

All: 521.009+/-0.062 χ^2/NDF: 31515014.1/93

- sign 516.397+/-0.086 χ^2/NDF: 15739793.5/48

asym_bpm0l04WS_mean vs Slug



Right In: -754.923+/-72.989 χ^2/NDF: 1074.0/19

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -213.690+/-65.448 χ^2/NDF: 3541.6/25

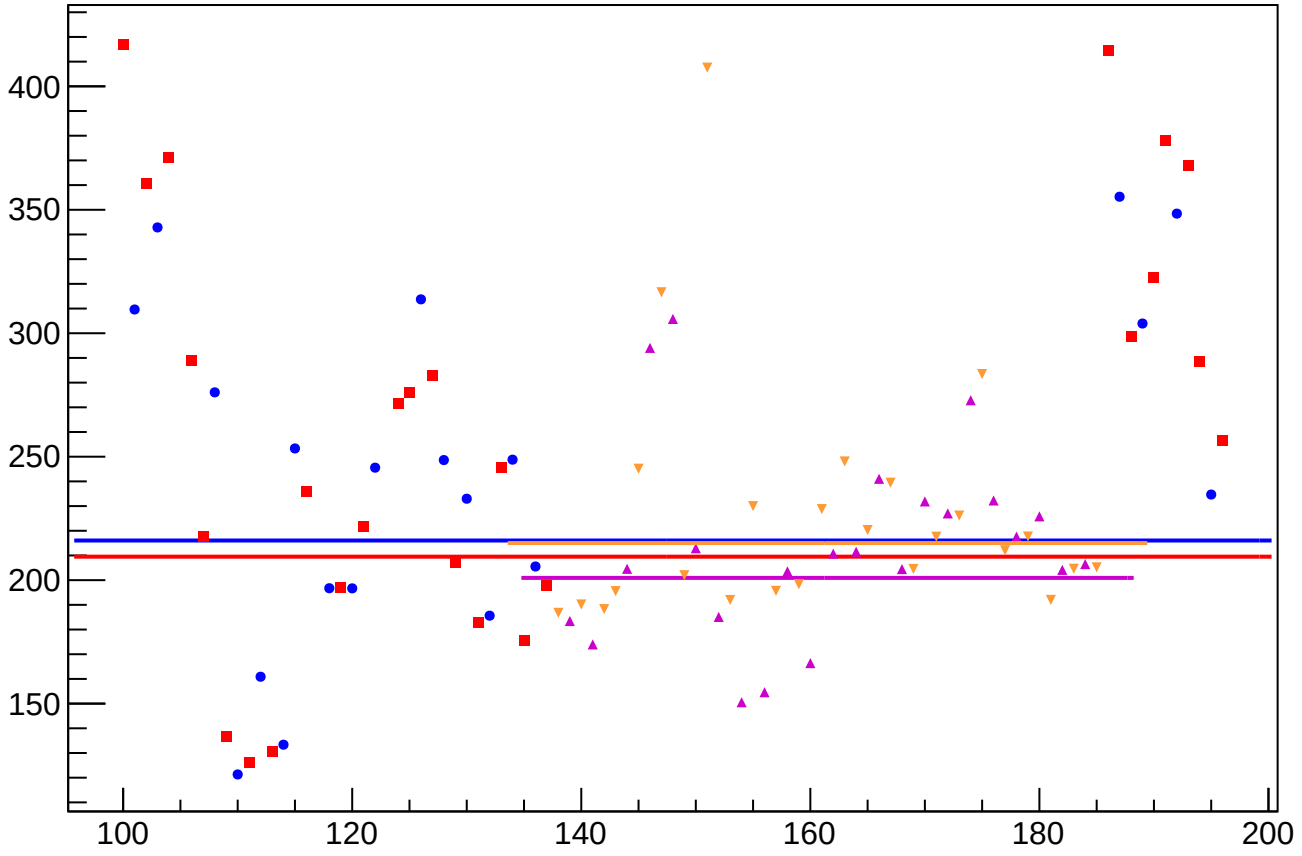
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 317.598+/-41.247 χ^2/NDF: 3382.0/44

All: -21.805+/-28.317 χ^2/NDF: 8309.4/93

- sign -324.348+/-38.943 χ^2/NDF: 4799.3/48

asym_bpm0l04WS_rms vs Slug



Right In: 216.059+/-0.052 χ^2/NDF: 1561814.7/19

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 209.511+/-0.046 χ^2/NDF: 2705011.6/25

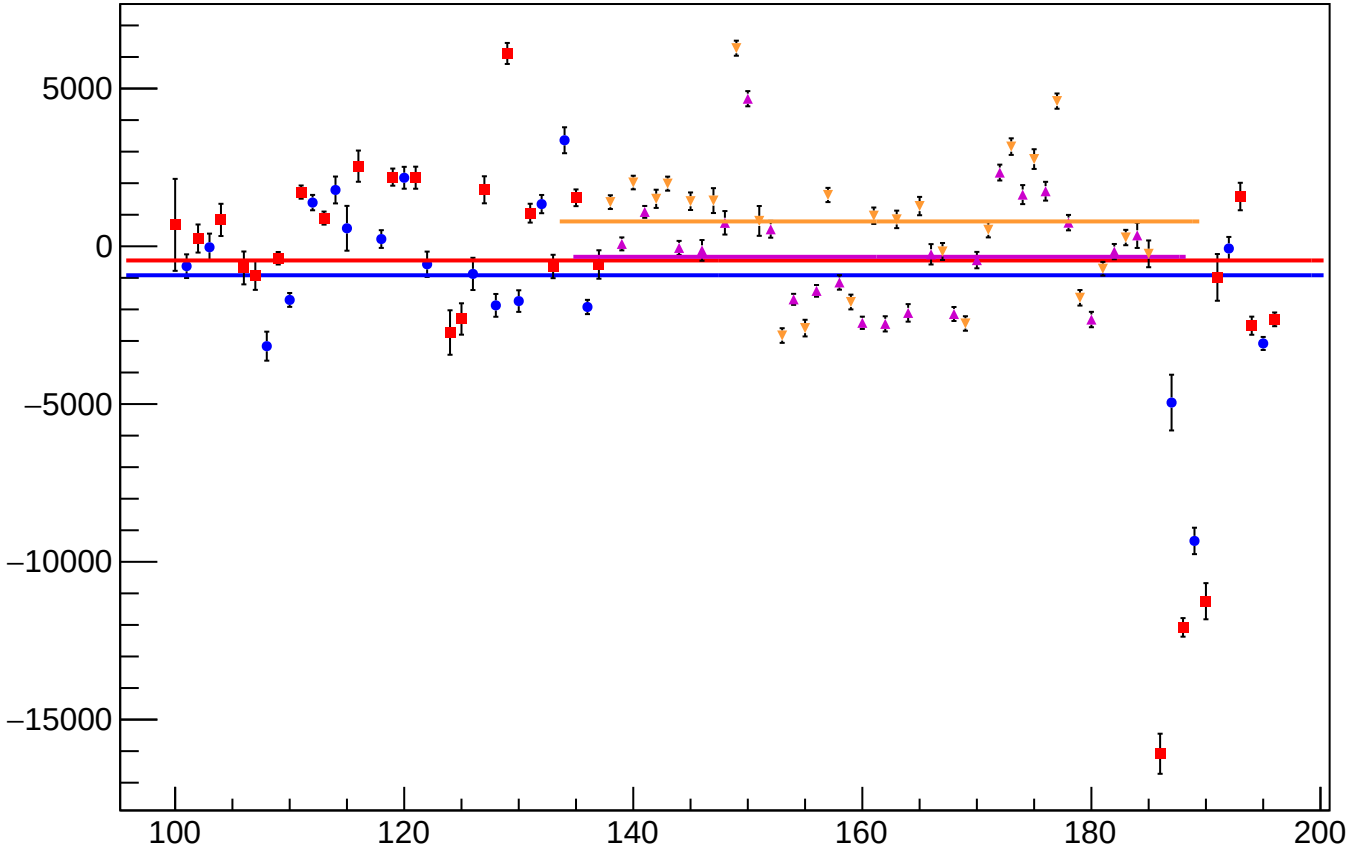
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 215.356+/-0.029 χ^2/NDF: 2459878.4/44

All: 209.331+/-0.020 χ^2/NDF: 6373733.5/93

- sign 203.960+/-0.028 χ^2/NDF: 3833129.2/48

asym_bpm0l05WS_mean vs Slug



Right In: -917.994+/-73.557 χ^2/NDF: 1014.0/19

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -448.549+/-65.847 χ^2/NDF: 3534.6/25

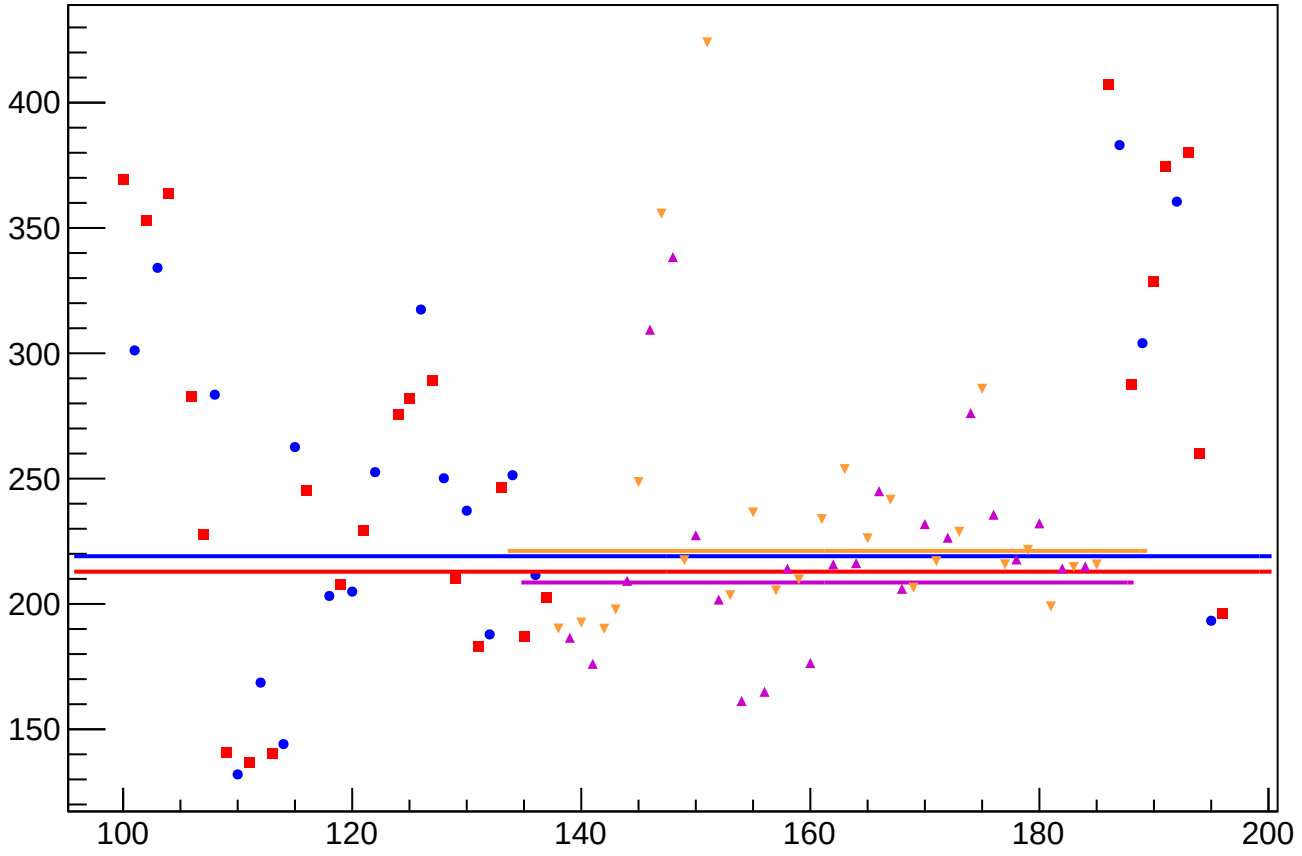
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 227.996+/-42.146 χ^2/NDF: 3265.5/44

All: -90.201+/-28.982 χ^2/NDF: 8125.4/93

- sign -375.658+/-39.919 χ^2/NDF: 4751.7/48

asym_bpm0l05WS_rms vs Slug



Right In: 219.044+/-0.052 χ^2/NDF: 1382667.3/19

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 212.873+/-0.047 χ^2/NDF: 2247011.9/25

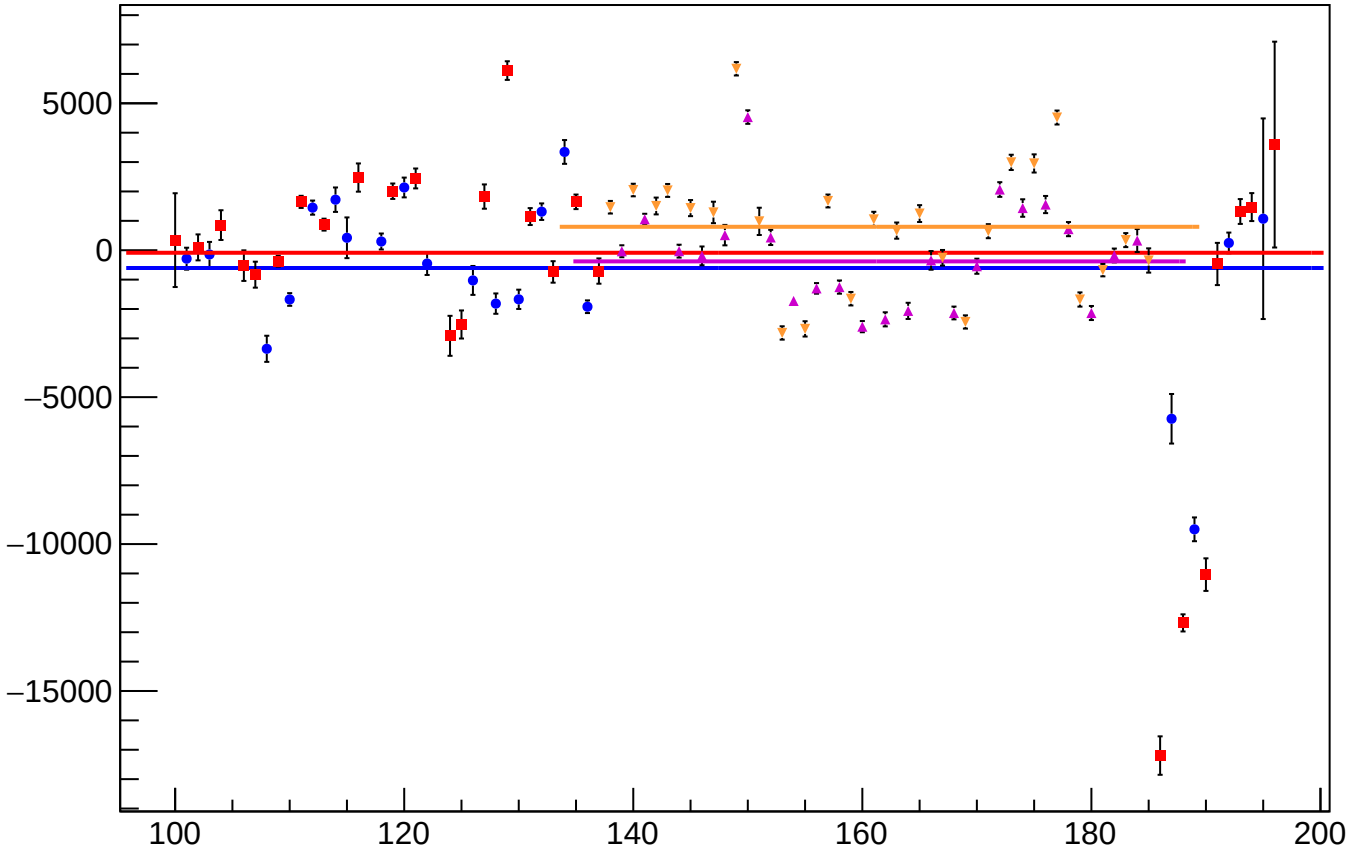
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 220.482+/-0.030 χ^2/NDF: 2323325.8/44

All: 215.032+/-0.020 χ^2/NDF: 5674861.9/93

- sign 210.143+/-0.028 χ^2/NDF: 3288087.4/48

asym_bpm0l06WS_mean vs Slug



Right In: -604.763+/-76.475 χ^2/NDF: 976.8/19

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -86.396+/-68.172 χ^2/NDF: 3731.2/25

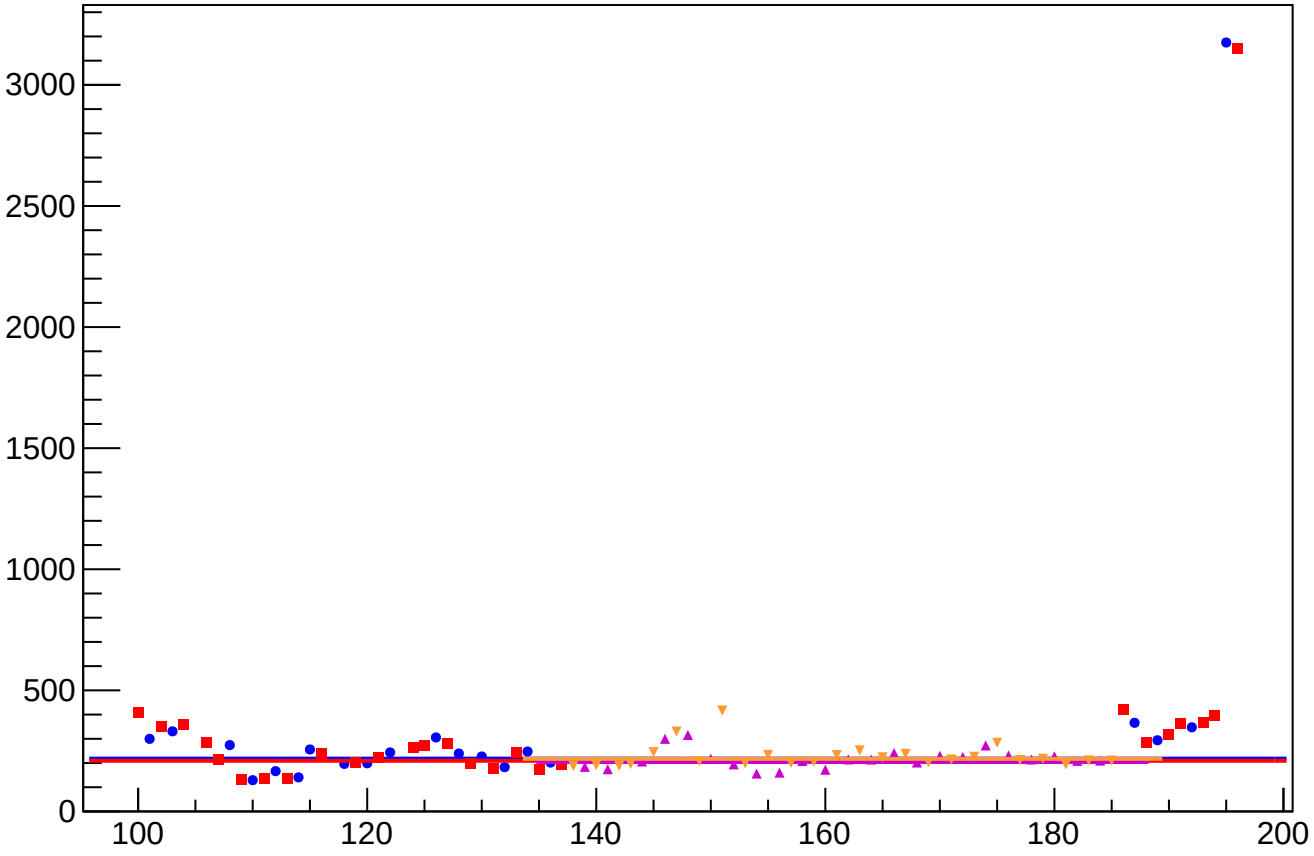
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.744+/-42.138 χ^2/NDF: 3171.7/44

All: 28.407+/-28.967 χ^2/NDF: 8242.2/93

- sign -279.214+/-39.886 χ^2/NDF: 4944.6/48

asym_bpm0l06WS_rms vs Slug



Right In: 217.977+/-0.054 χ^2/NDF: 2828720.8/19

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 209.319+/-0.048 χ^2/NDF: 4020955.4/25

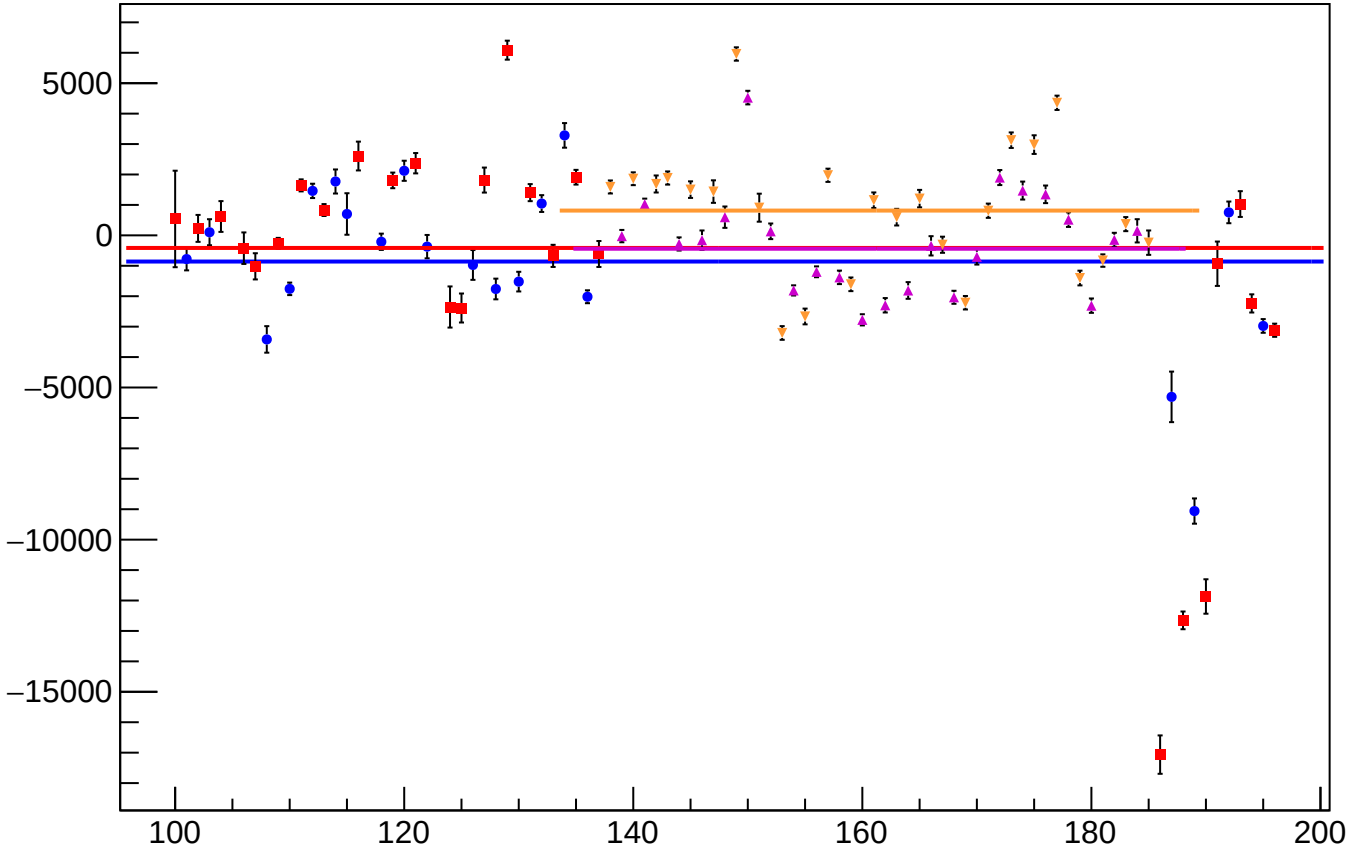
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.453+/-0.030 χ^2/NDF: 3739300.8/44

All: 211.425+/-0.020 χ^2/NDF: 8860021.1/93

- sign 206.023+/-0.028 χ^2/NDF: 5043111.0/48

asym_bpm0l07WS_mean vs Slug



Right In: -860.596+/-71.273 χ^2/NDF: 1016.4/19

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -414.022+/-62.884 χ^2/NDF: 4047.1/25

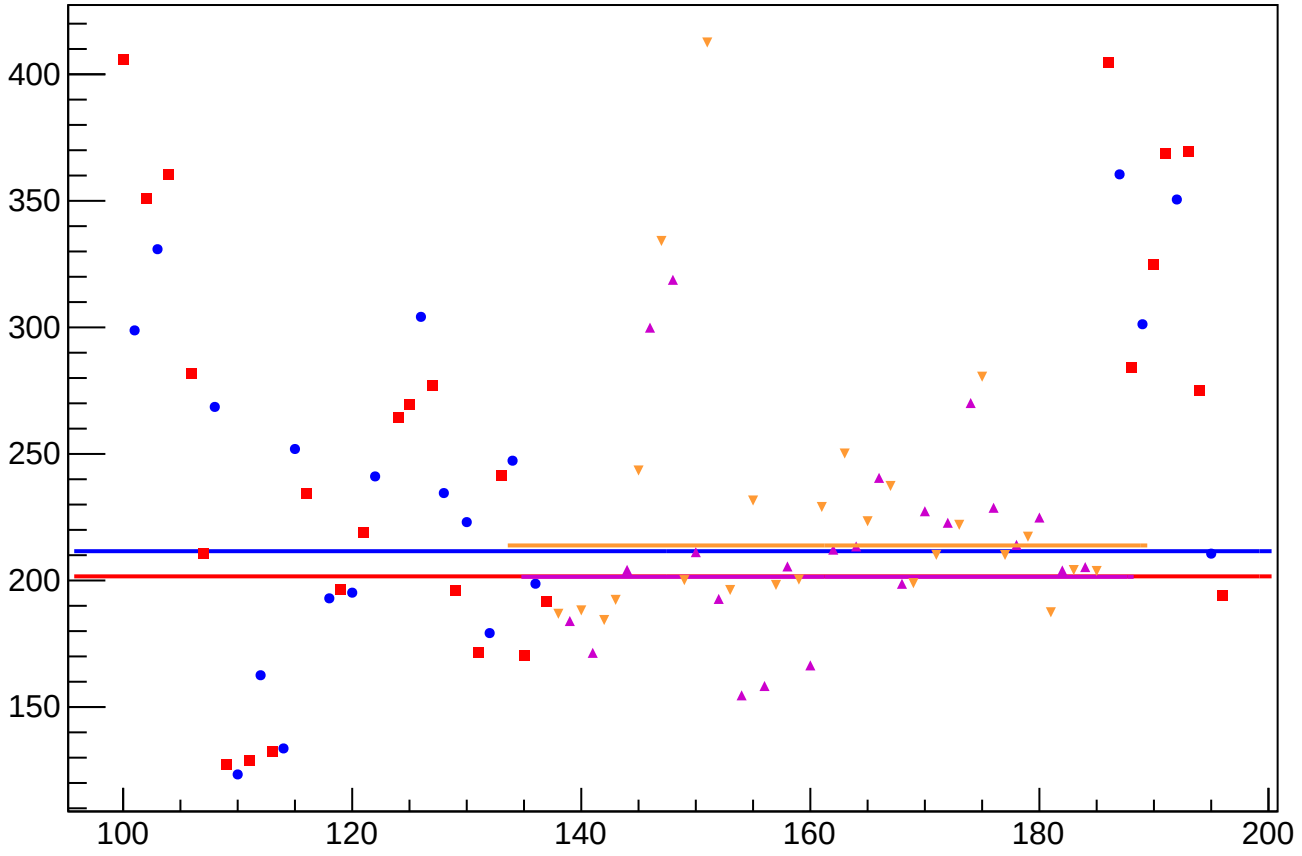
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 265.421+/-40.800 χ^2/NDF: 3388.1/44

All: -103.195+/-27.971 χ^2/NDF: 8824.2/93

- sign -430.098+/-38.422 χ^2/NDF: 5282.2/48

asym_bpm0l07WS_rms vs Slug



Right In: 211.580+/-0.050 χ^2/NDF: 1461210.0/19

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 201.634+/-0.044 χ^2/NDF: 2597725.0/25

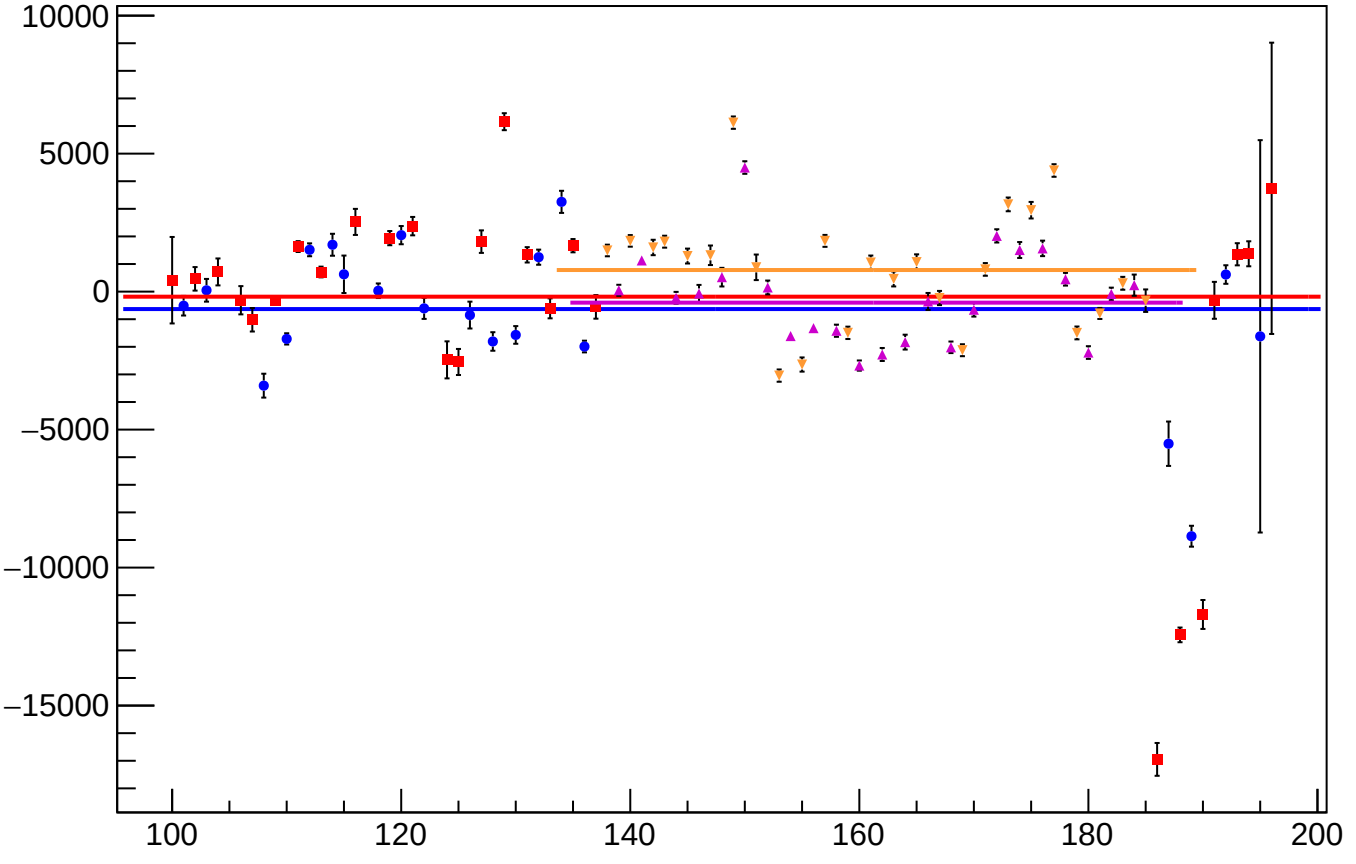
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 213.105+/-0.029 χ^2/NDF: 2426154.3/44

All: 206.963+/-0.020 χ^2/NDF: 6171382.1/93

- sign 201.516+/-0.027 χ^2/NDF: 3659708.5/48

asym_bpm0l08WS_mean vs Slug



Right In: -632.308+/-74.062 χ^2/NDF: 992.4/19

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -183.497+/-65.476 χ^2/NDF: 4272.5/25

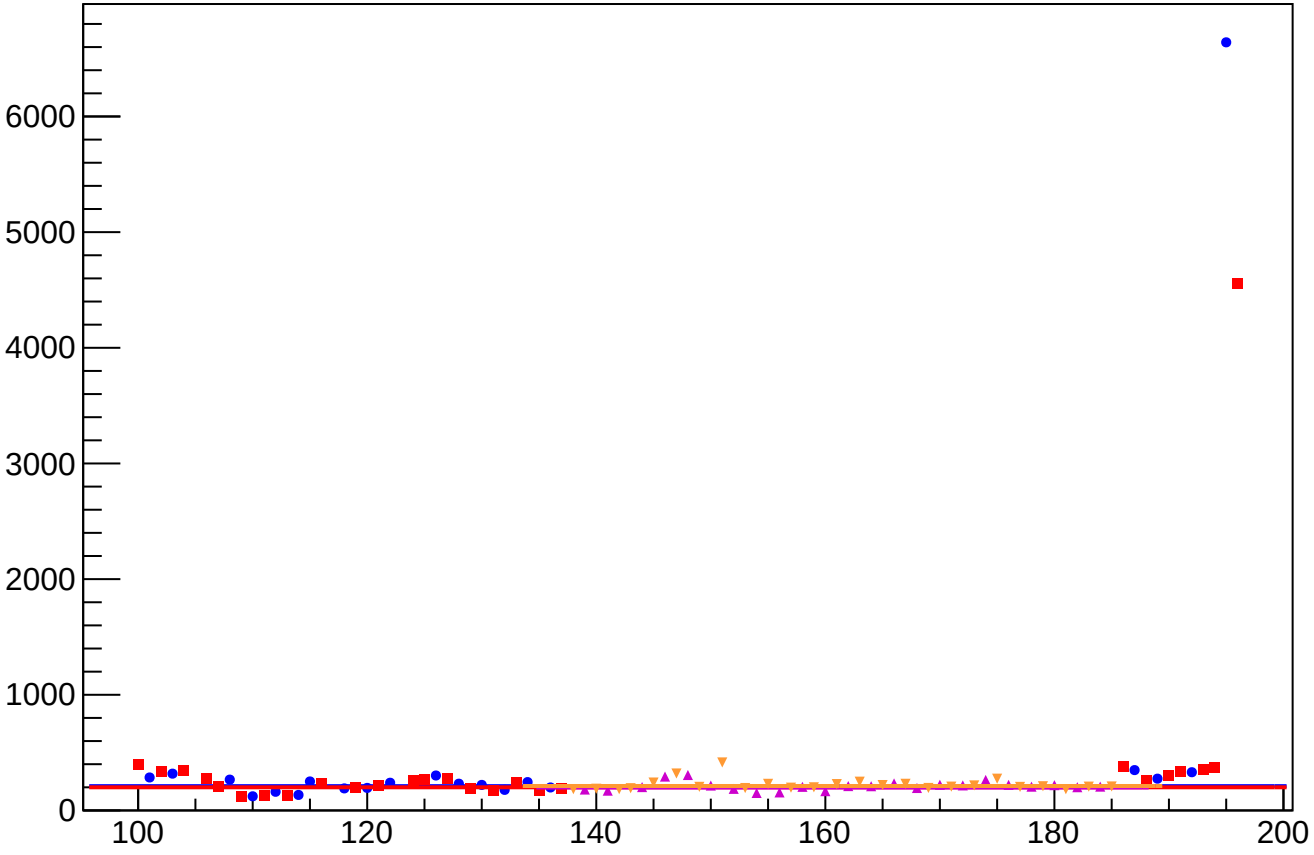
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.238+/-40.981 χ^2/NDF: 3246.9/44

All: -7.656+/-28.105 χ^2/NDF: 8901.7/93

- sign -324.559+/-38.617 χ^2/NDF: 5511.6/48

asym_bpm0l08WS_rms vs Slug



Right In: 210.175+/-0.052 χ^2/NDF: 2966252.4/19

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 200.193+/-0.046 χ^2/NDF: 3947215.2/25

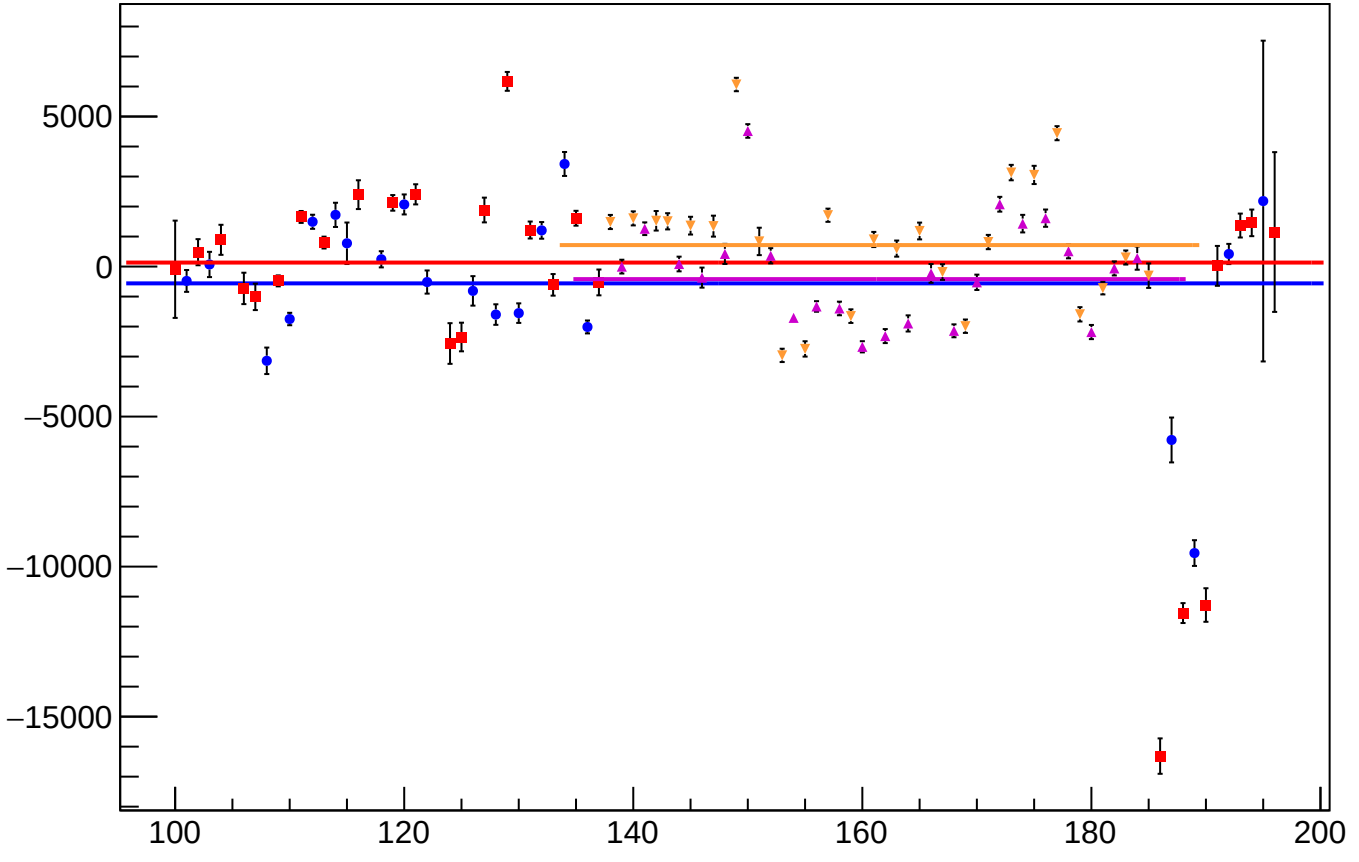
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.091+/-0.029 χ^2/NDF: 3901671.9/44

All: 204.742+/-0.020 χ^2/NDF: 8946819.4/93

- sign 199.105+/-0.027 χ^2/NDF: 4954521.2/48

asym_bpm0l09WS_mean vs Slug



Right In: -560.351+/-75.287 χ^2/NDF: 953.3/19

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 132.913+/-67.293 χ^2/NDF: 3158.6/25

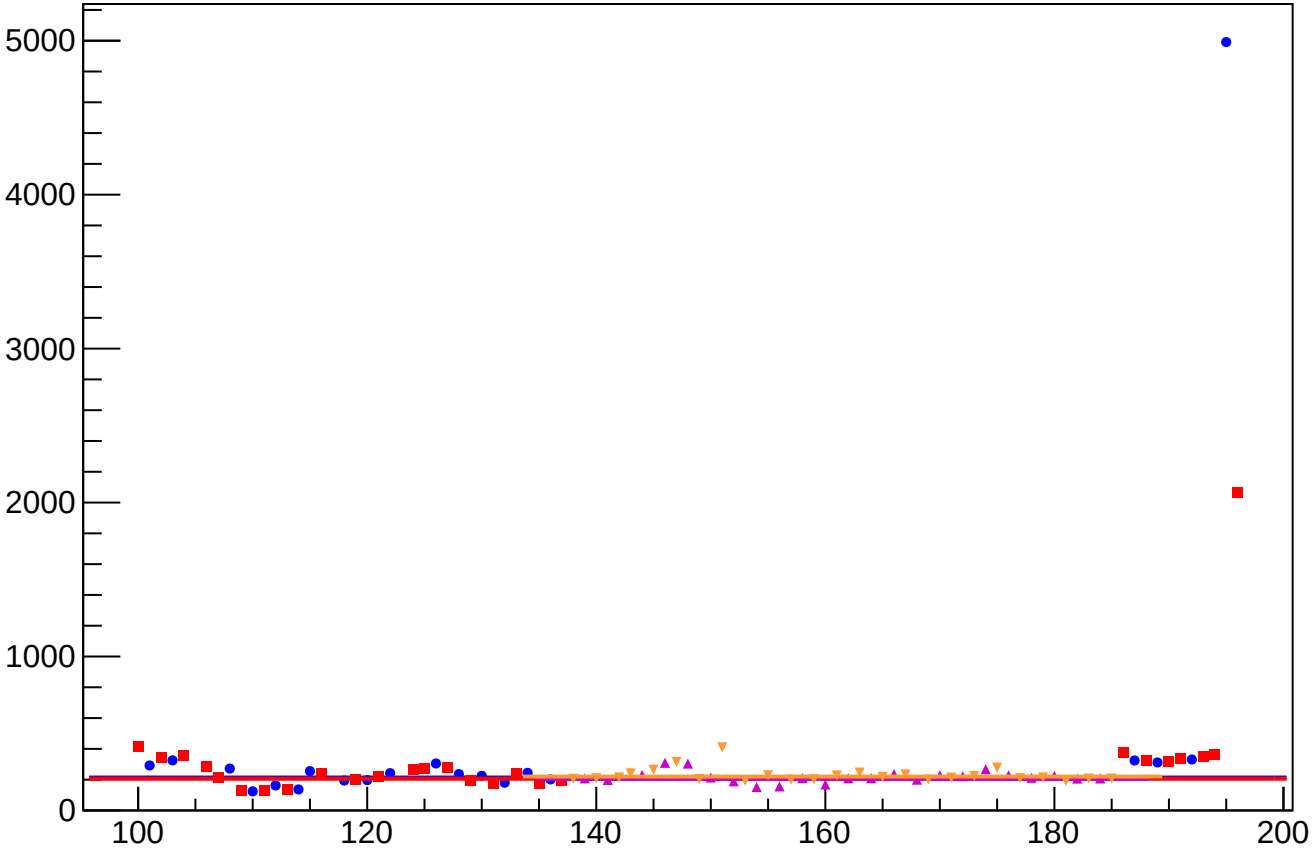
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 313.101+/-42.286 χ^2/NDF: 3067.9/44

All: 28.441+/-29.015 χ^2/NDF: 7596.7/93

- sign -224.825+/-39.886 χ^2/NDF: 4443.2/48

asym_bpm0l09WS_rms vs Slug



Right In: 213.776+/-0.053 χ^2/NDF: 2959671.4/19

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 206.056+/-0.048 χ^2/NDF: 3653283.9/25

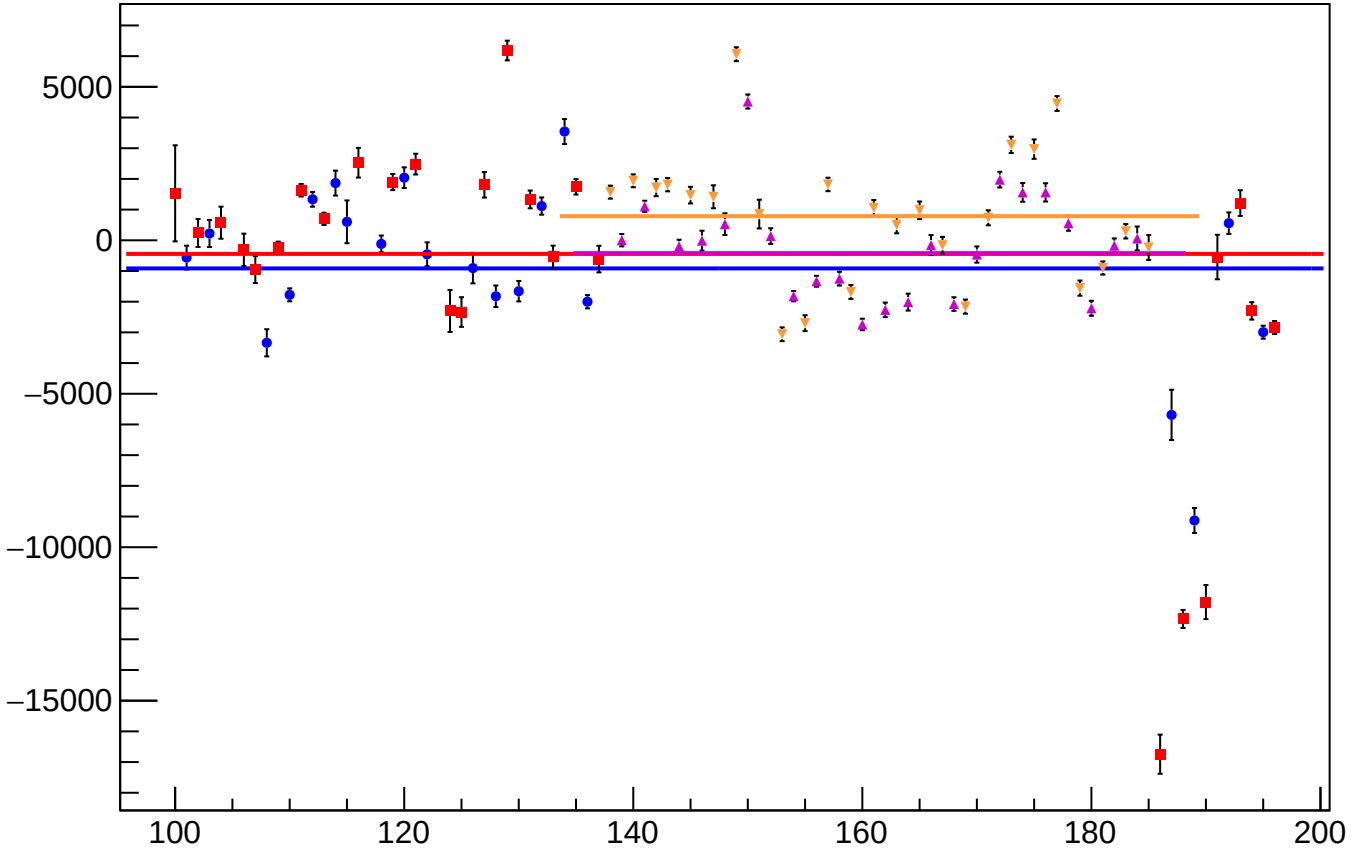
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 218.136+/-0.030 χ^2/NDF: 3769169.5/44

All: 211.546+/-0.021 χ^2/NDF: 8528291.7/93

- sign 205.683+/-0.028 χ^2/NDF: 4667343.7/48

asym_bpm0l10WS_mean vs Slug



Right In: -916.886+/-72.032 χ^2/NDF: 1044.8/19

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -442.564+/-63.866 χ^2/NDF: 3830.4/25

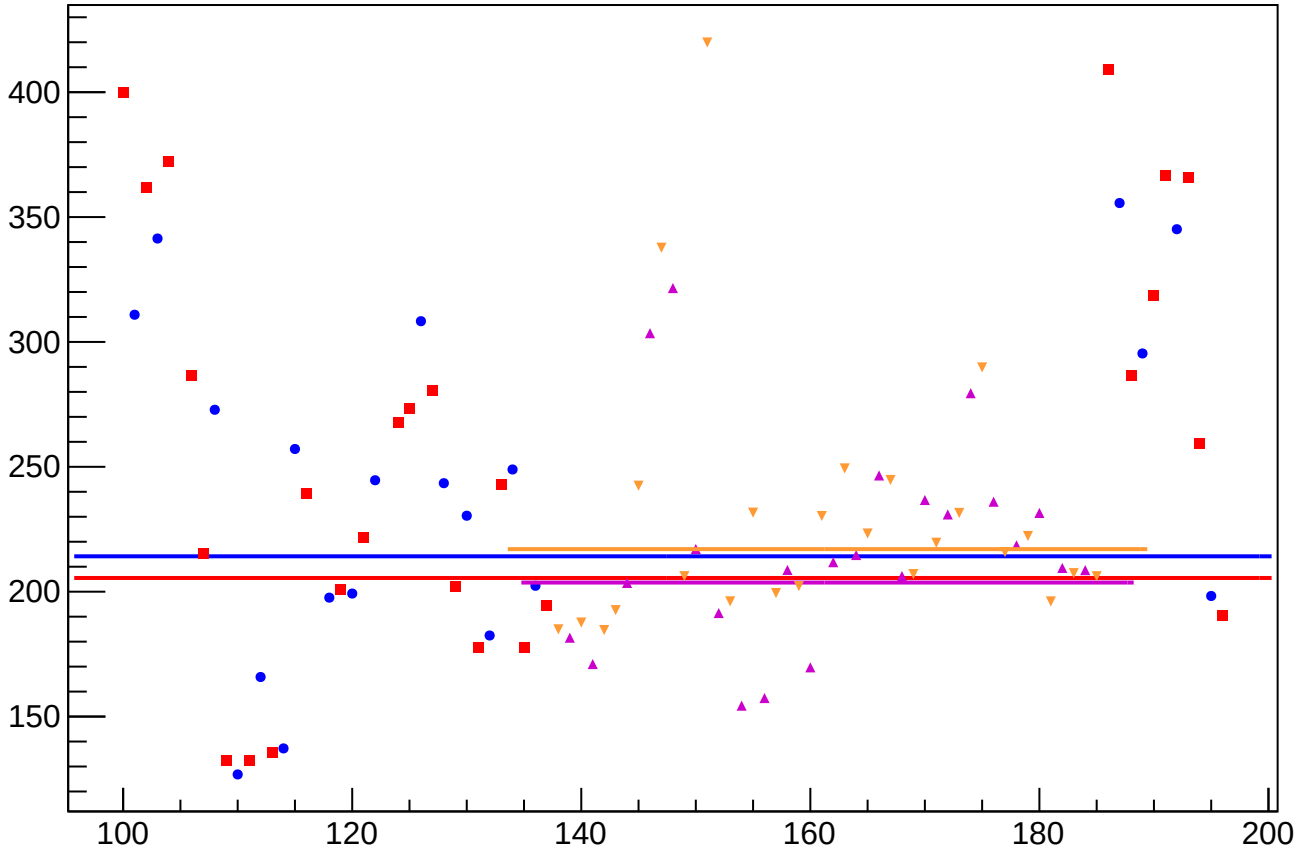
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 225.090+/-41.363 χ^2/NDF: 3357.4/44

All: -120.865+/-28.357 χ^2/NDF: 8530.8/93

- sign -427.655+/-38.952 χ^2/NDF: 5041.5/48

asym_bpm0l10WS_rms vs Slug



Right In: 214.167+/-0.051 χ^2/NDF: 1417814.3/19

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 205.492+/-0.045 χ^2/NDF: 2443179.1/25

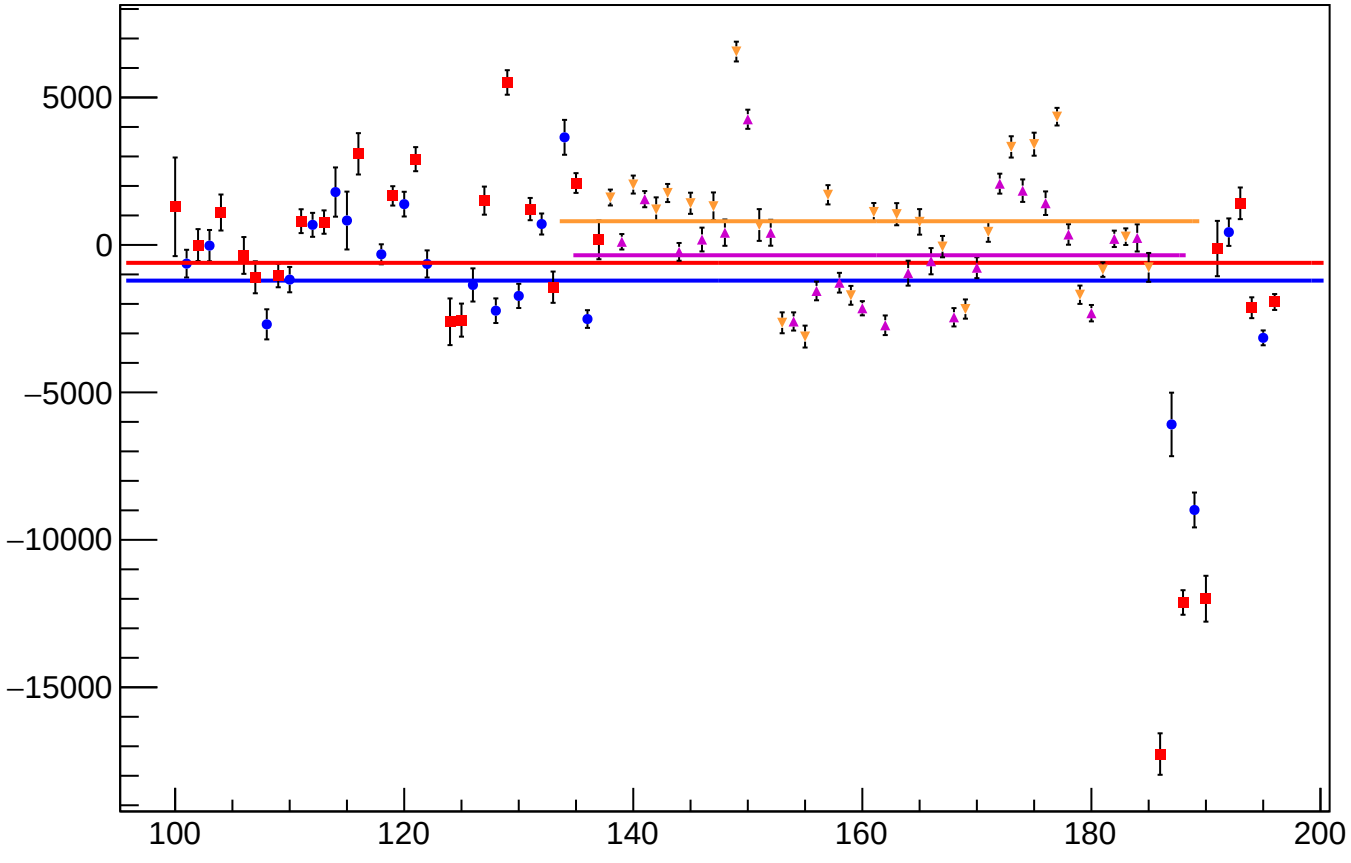
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 216.093+/-0.029 χ^2/NDF: 2403117.6/44

All: 209.865+/-0.020 χ^2/NDF: 6098216.3/93

- sign 204.342+/-0.028 χ^2/NDF: 3609547.6/48

asym_bpm0r03WS_mean vs Slug



Right In: -1209.641+/-97.273 χ^2/NDF: 488.9/19

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -607.527+/-90.856 χ^2/NDF: 2130.5/25

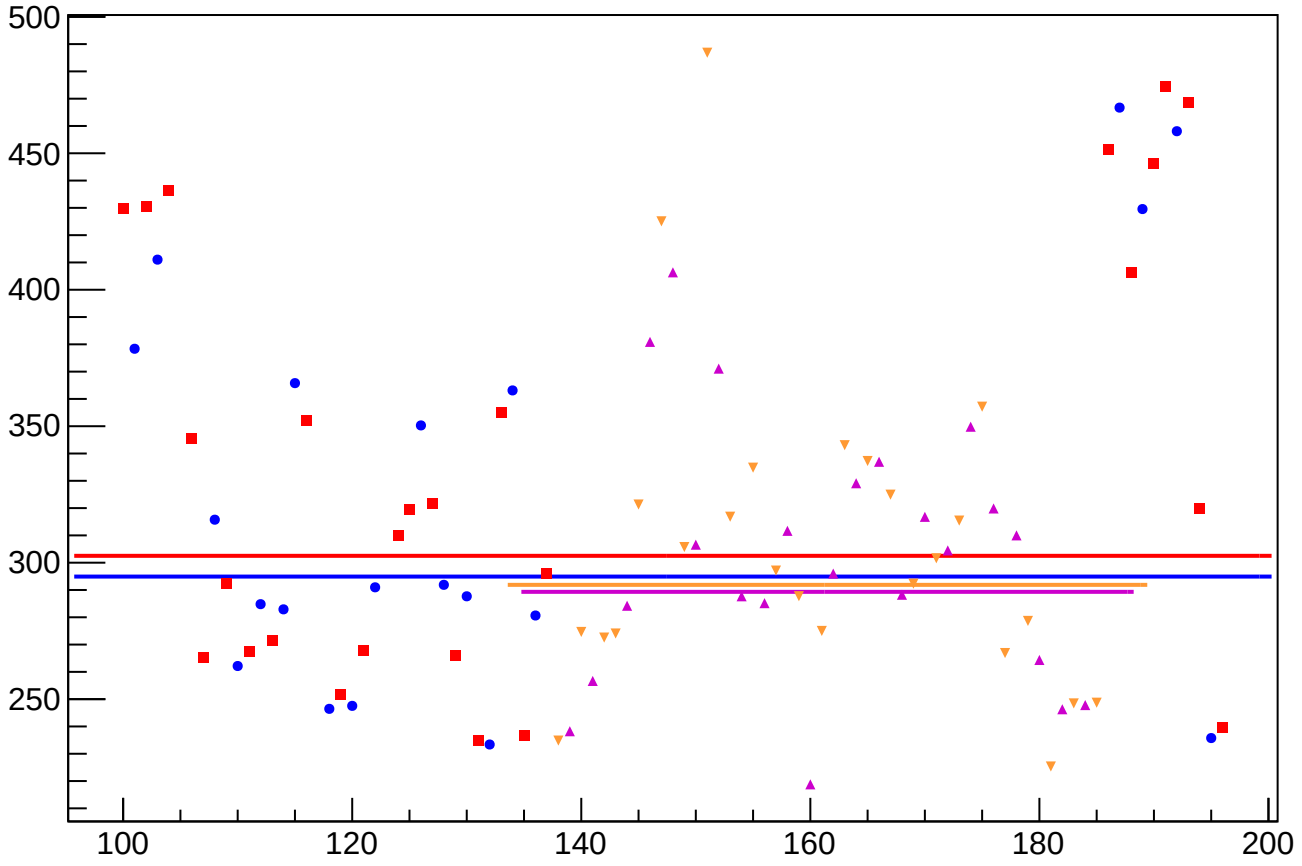
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 146.830+/-55.563 χ^2/NDF: 1835.2/44

All: -152.020+/-39.068 χ^2/NDF: 4684.1/93

- sign -444.232+/-54.942 χ^2/NDF: 2791.7/48

asym_bpm0r03WS_rms vs Slug



Right In: 294.915+/-0.069 χ^2/NDF: 873287.3/19

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 302.516+/-0.064 χ^2/NDF: 1177251.2/25

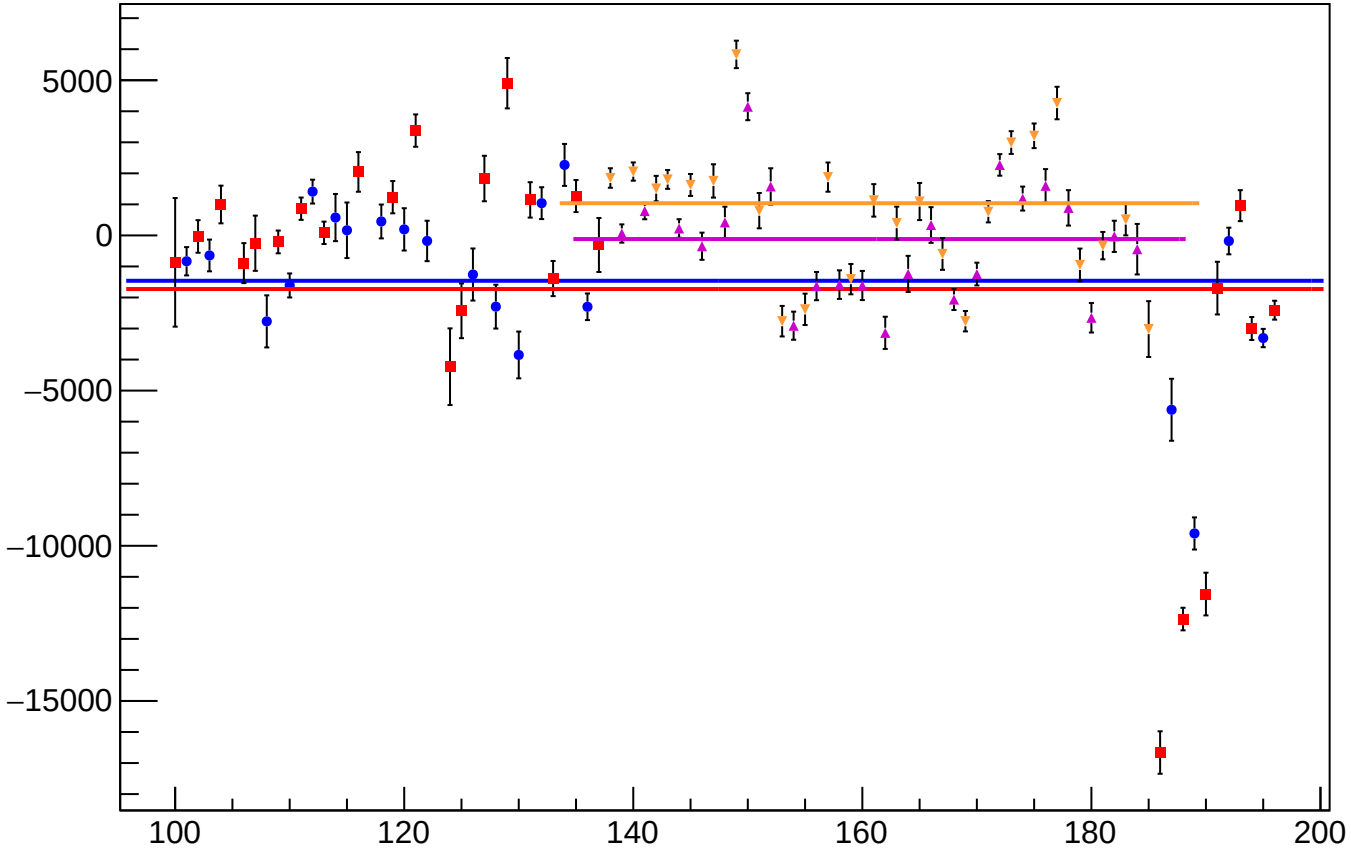
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 292.872+/-0.039 χ^2/NDF: 1834516.0/44

All: 293.516+/-0.028 χ^2/NDF: 3847660.4/93

- sign 294.146+/-0.039 χ^2/NDF: 2012612.6/48

asym_bpm0r05WS_mean vs Slug



Right In: -1461.233+/-117.337 χ^2/NDF: 477.7/19

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1726.918+/-102.663 χ^2/NDF: 2030.2/25

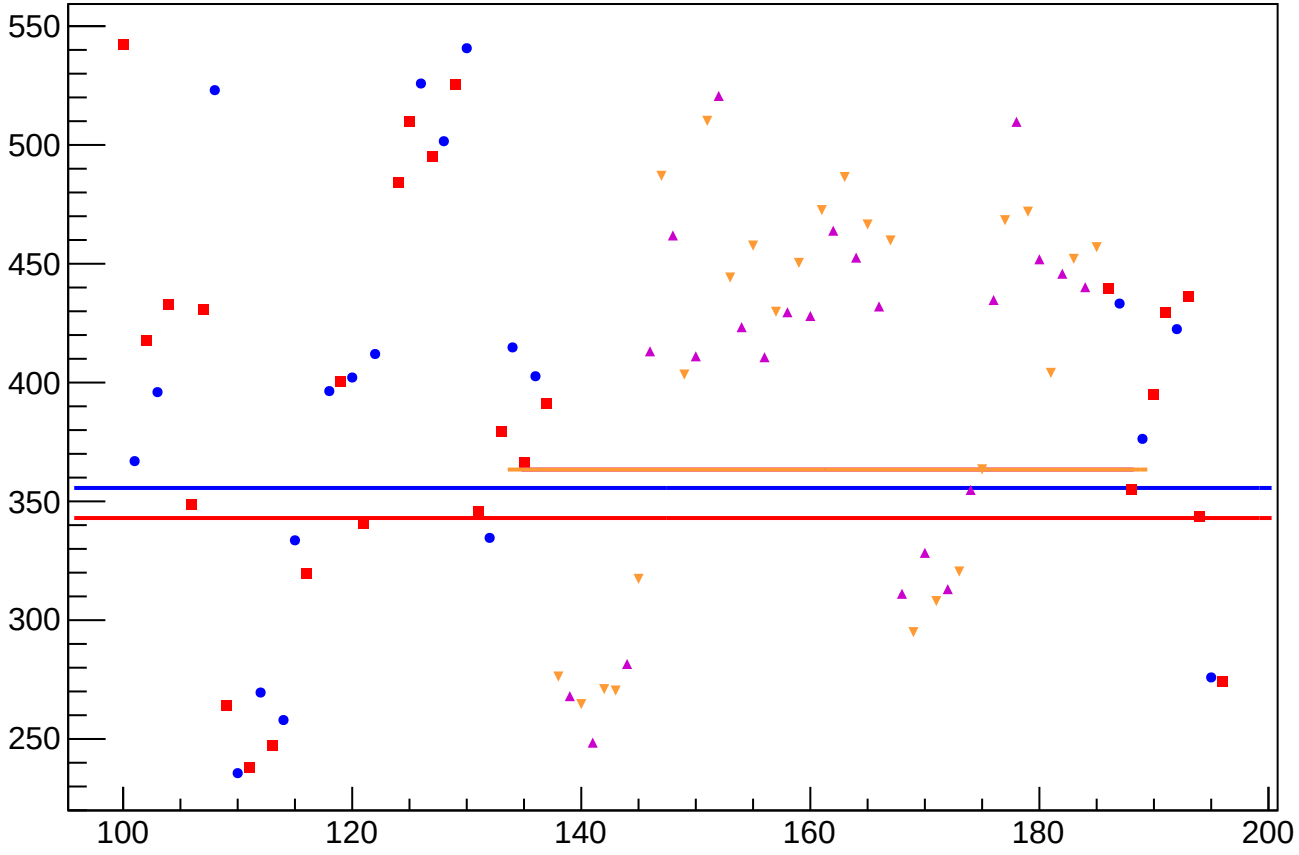
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 174.766+/-68.942 χ^2/NDF: 1344.8/44

All: -326.612+/-47.891 χ^2/NDF: 3990.0/93

- sign -794.172+/-66.577 χ^2/NDF: 2543.0/48

asym_bpm0r05WS_rms vs Slug



Right In: 355.644+/-0.083 χ^2/NDF: 997041.4/19

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 342.989+/-0.073 χ^2/NDF: 1103225.9/25

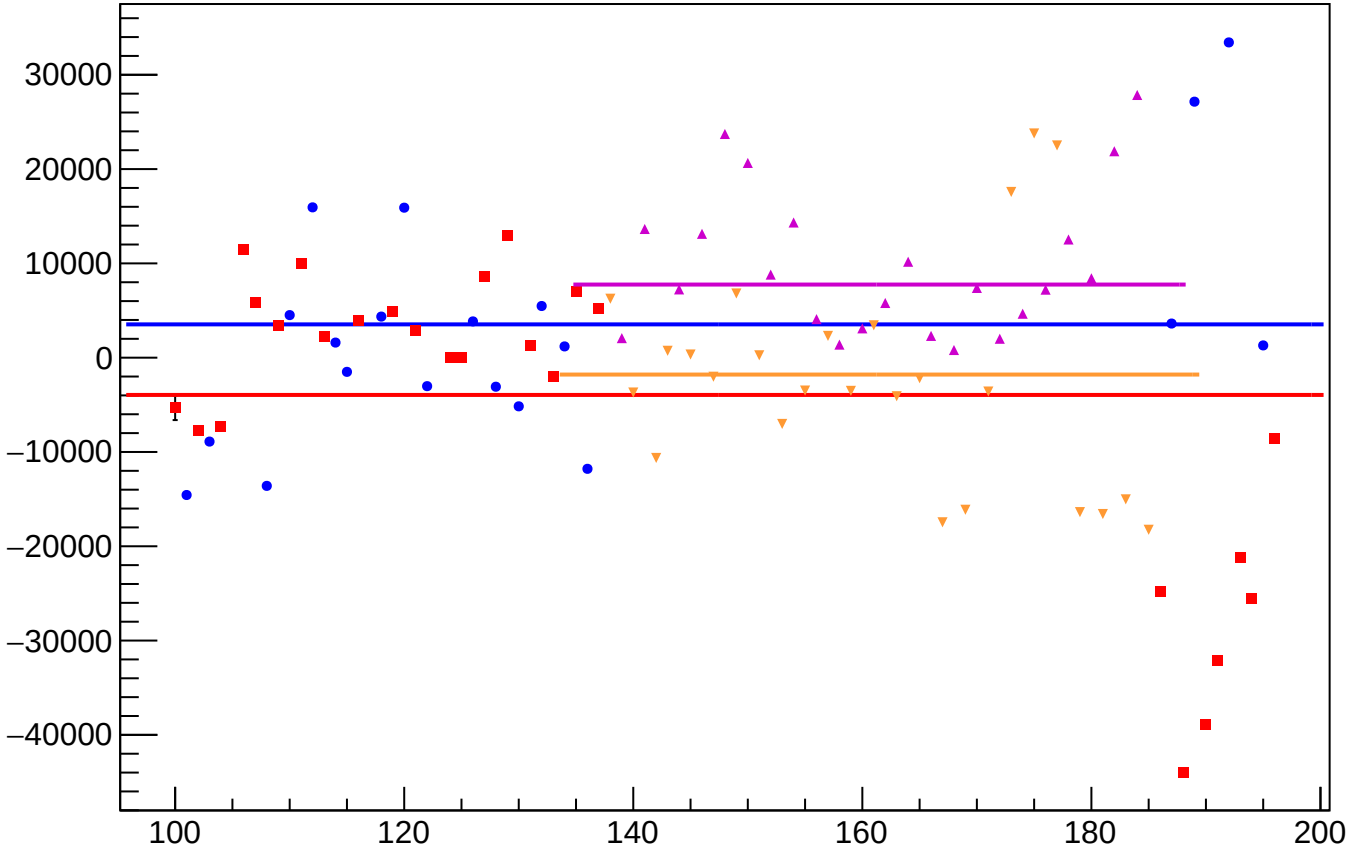
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 360.714+/-0.049 χ^2/NDF: 2943241.2/44

All: 357.658+/-0.034 χ^2/NDF: 5811404.7/93

- sign 354.808+/-0.047 χ^2/NDF: 2860570.0/48

asym_bpm0i02WS_mean vs Slug



Right In: 3531.955+/-48.702 χ^2/NDF: 70211.5/19

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3951.030+/-44.375 χ^2/NDF: 128845.4/25

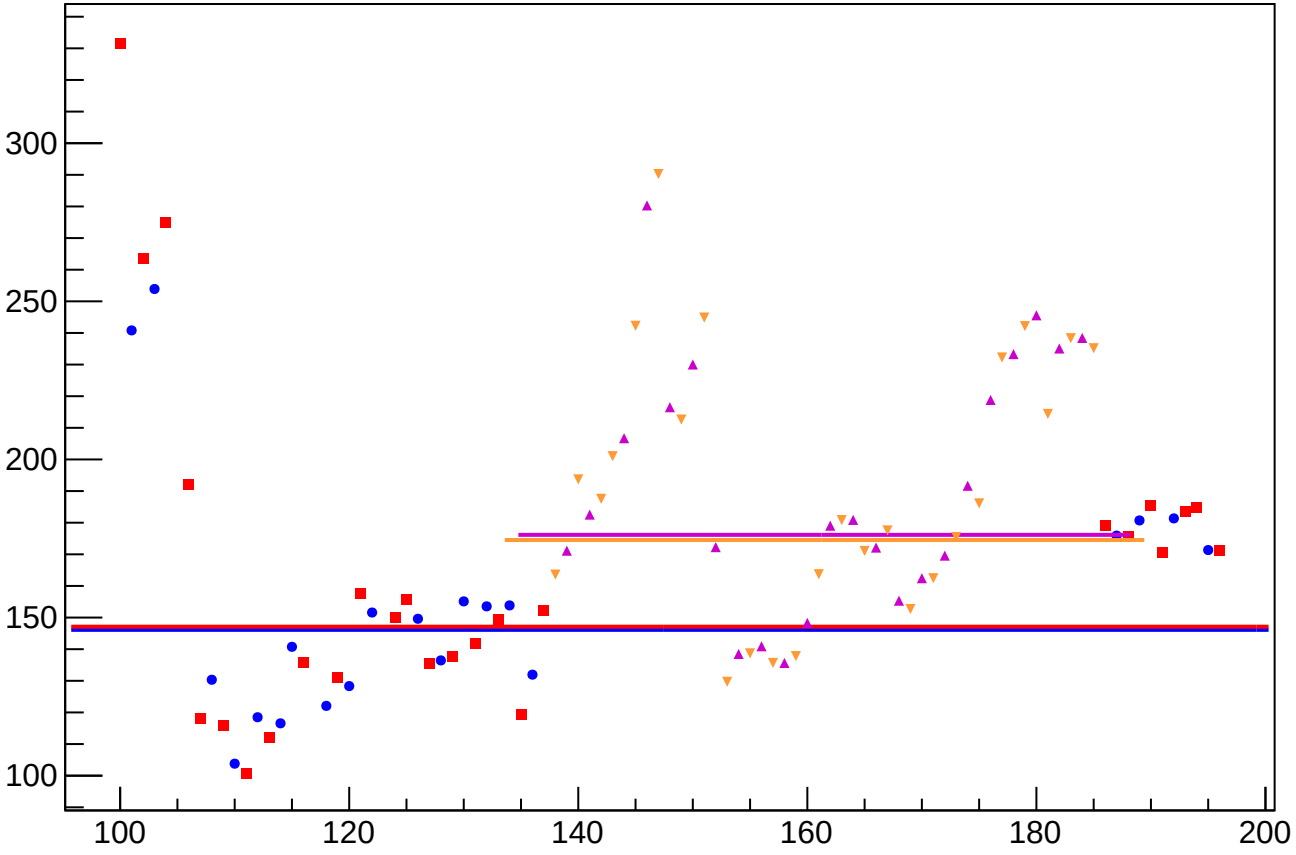
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 411.504+/-31.325 χ^2/NDF: 142959.2/44

All: 1294.853+/-21.933 χ^2/NDF: 332877.5/93

- sign 2144.419+/-30.720 χ^2/NDF: 188358.3/48

asym_bpm0i02WS_rms vs Slug



Right In: 146.114+/-0.034 χ^2/NDF: 855005.6/19

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 147.116+/-0.031 χ^2/NDF: 1277148.9/25

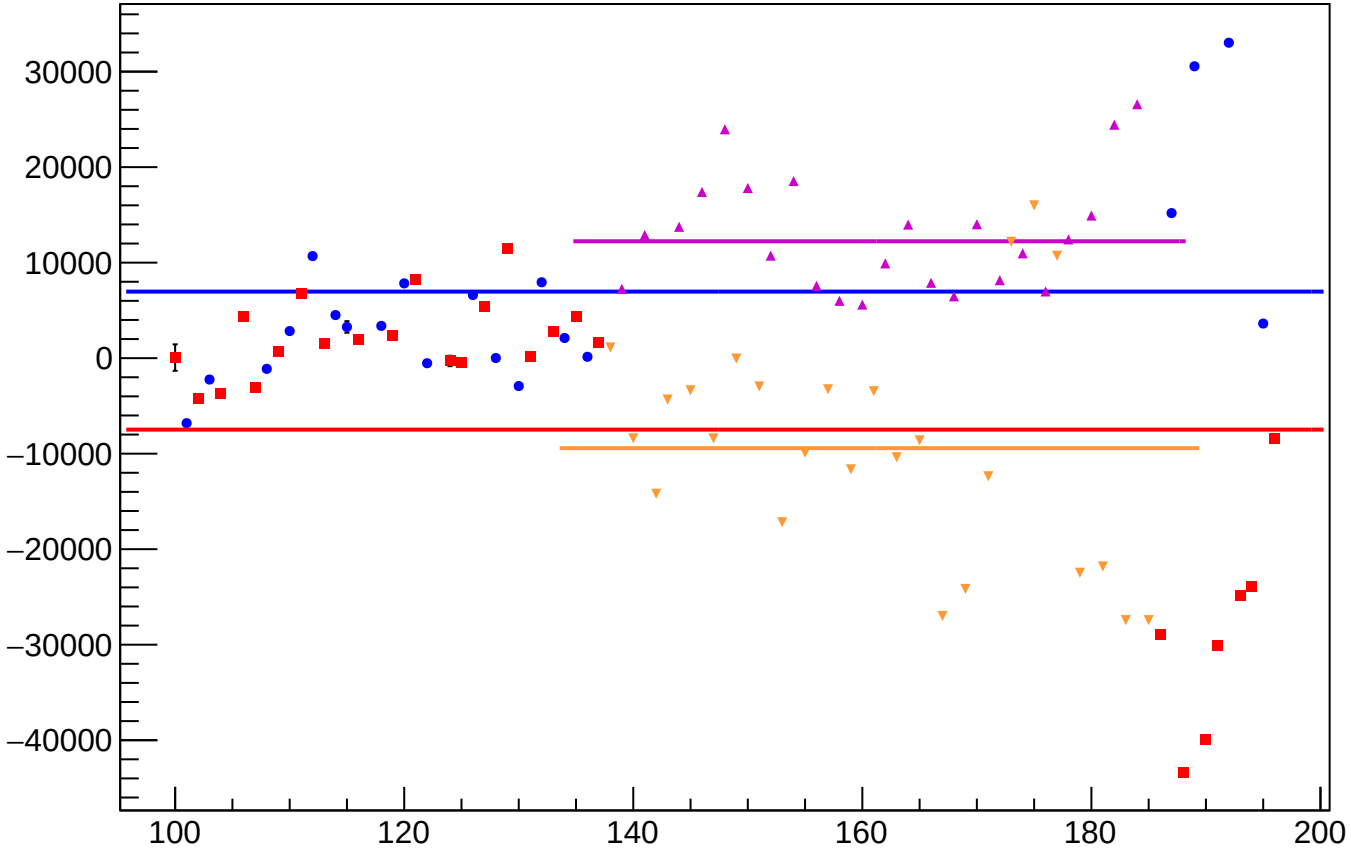
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.769+/-0.022 χ^2/NDF: 2913397.8/44

All: 162.498+/-0.016 χ^2/NDF: 6003901.0/93

- sign 162.237+/-0.022 χ^2/NDF: 3090209.6/48

asym_bpm0i02aWS_mean vs Slug



Right In: 6967.673+/-59.406 χ^2/NDF: 32480.0/19

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -7481.989+/-52.466 χ^2/NDF: 97546.8/25

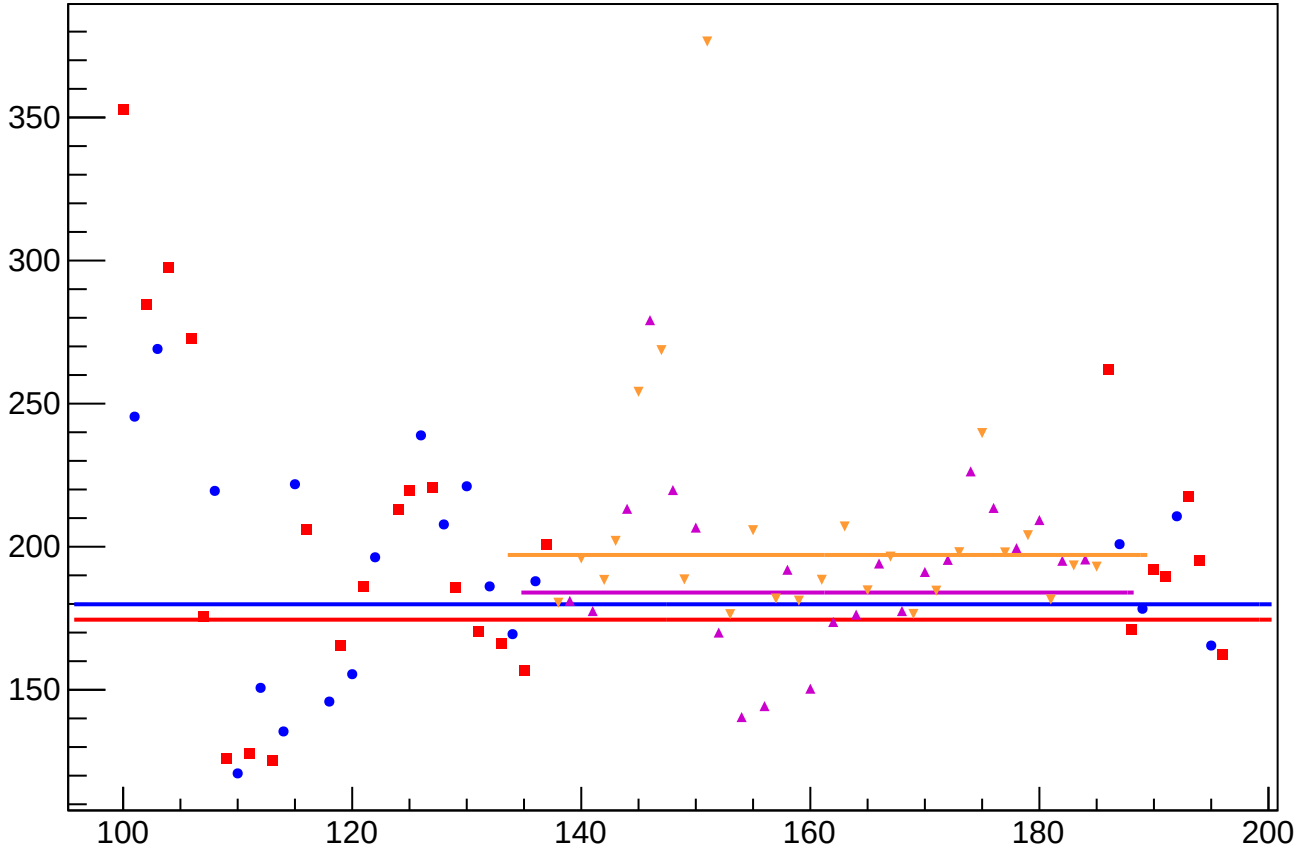
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3327.841+/-36.221 χ^2/NDF: 145008.5/44

All: 617.606+/-24.712 χ^2/NDF: 363411.5/93

- sign 4053.489+/-33.801 χ^2/NDF: 196205.1/48

asym_bpm0i02aWS_rms vs Slug



Right In: 179.886+/-0.042 χ^2/NDF: 733999.9/19

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.510+/-0.037 χ^2/NDF: 1187057.2/25

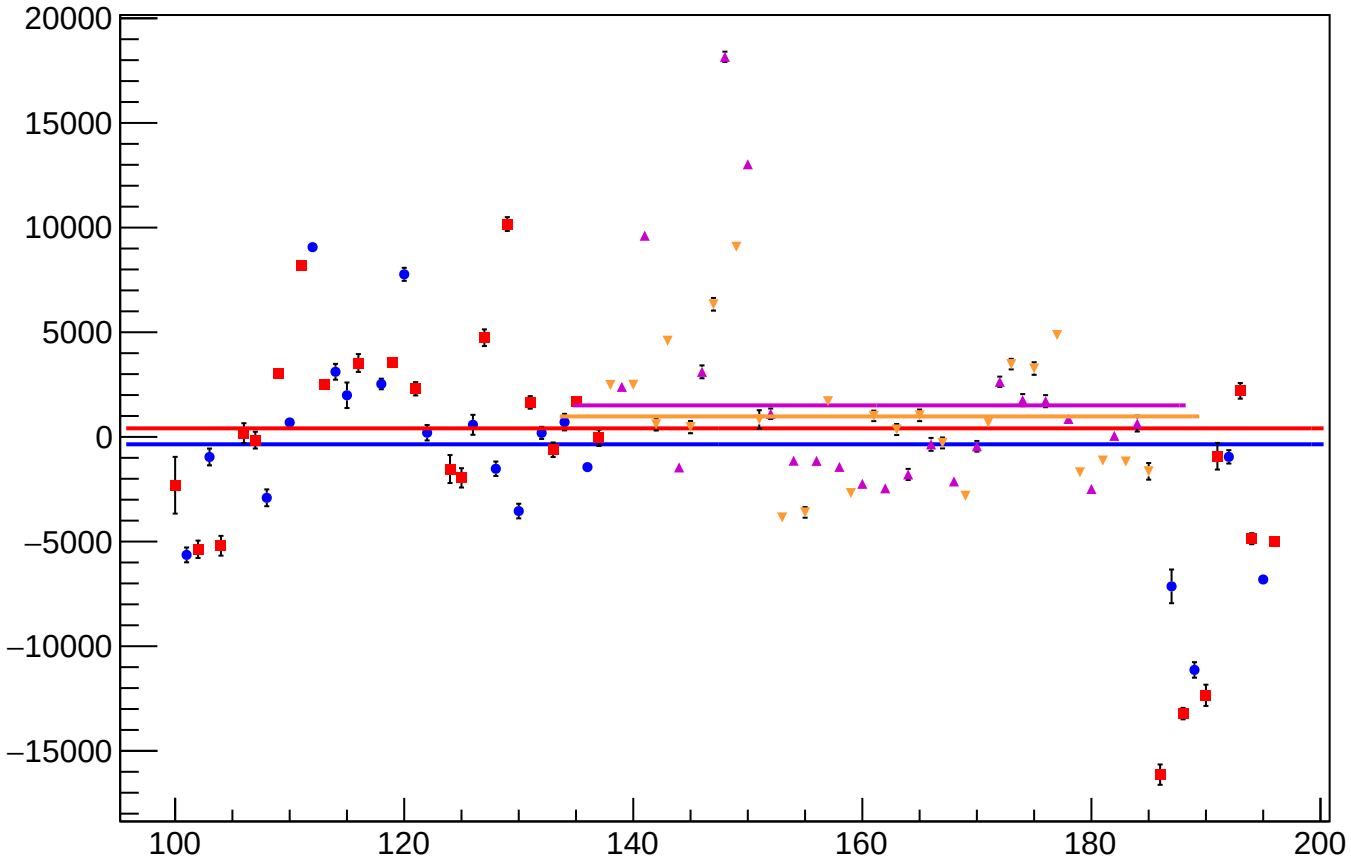
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.715+/-0.026 χ^2/NDF: 1572300.4/44

All: 185.016+/-0.017 χ^2/NDF: 3719932.0/93

- sign 180.052+/-0.024 χ^2/NDF: 2054996.5/48

asym_bpm0i05WS_mean vs Slug



Right In: -353.107+/-67.770 χ^2/NDF: 5043.3/19

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 408.858+/-59.674 χ^2/NDF: 9155.8/25

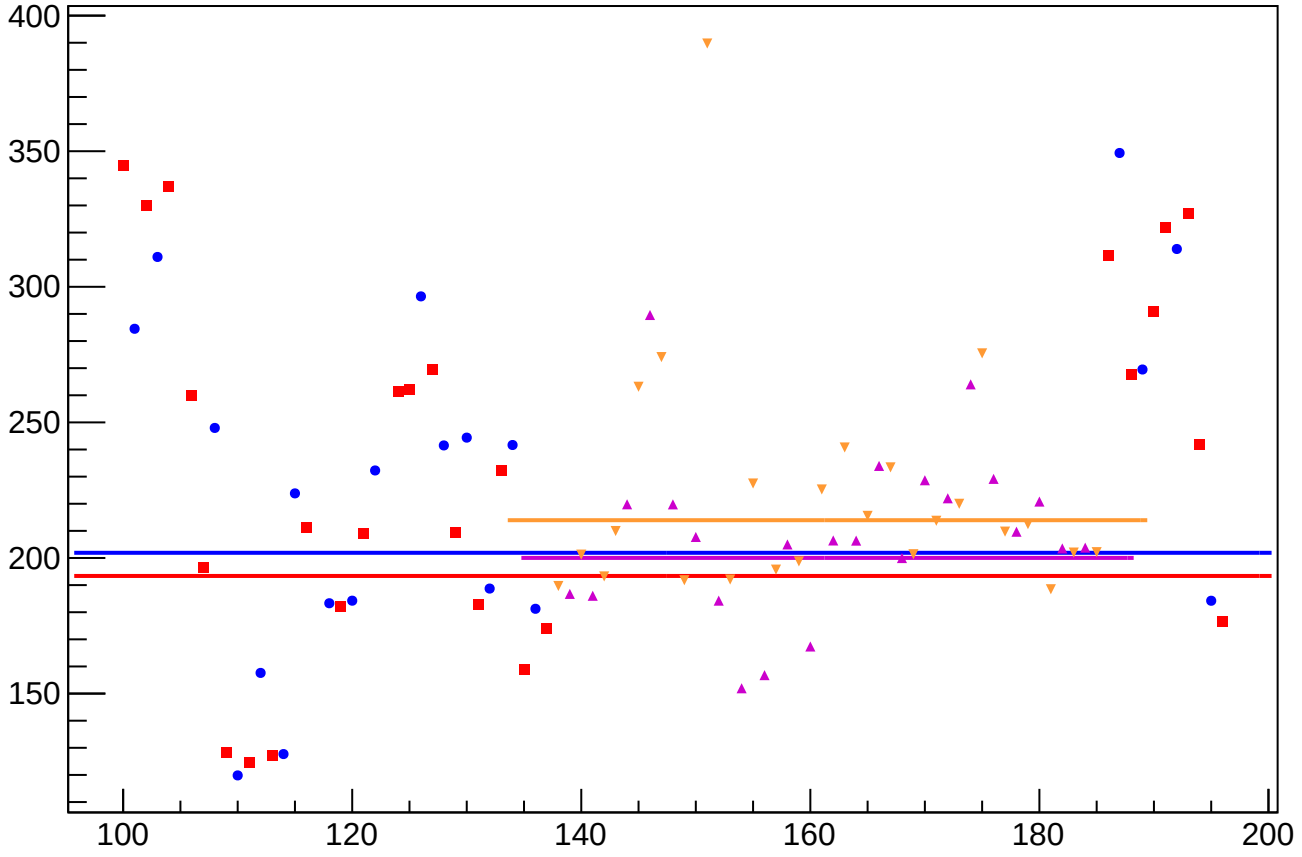
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 513.889+/-40.029 χ^2/NDF: 9617.6/44

All: 812.691+/-27.338 χ^2/NDF: 30563.2/93

- sign 1073.895+/-37.426 χ^2/NDF: 20841.2/48

asym_bpm0i05WS_rms vs Slug



Right In: 201.914+/-0.048 χ^2/NDF: 1383228.2/19

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.374+/-0.042 χ^2/NDF: 2227333.2/25

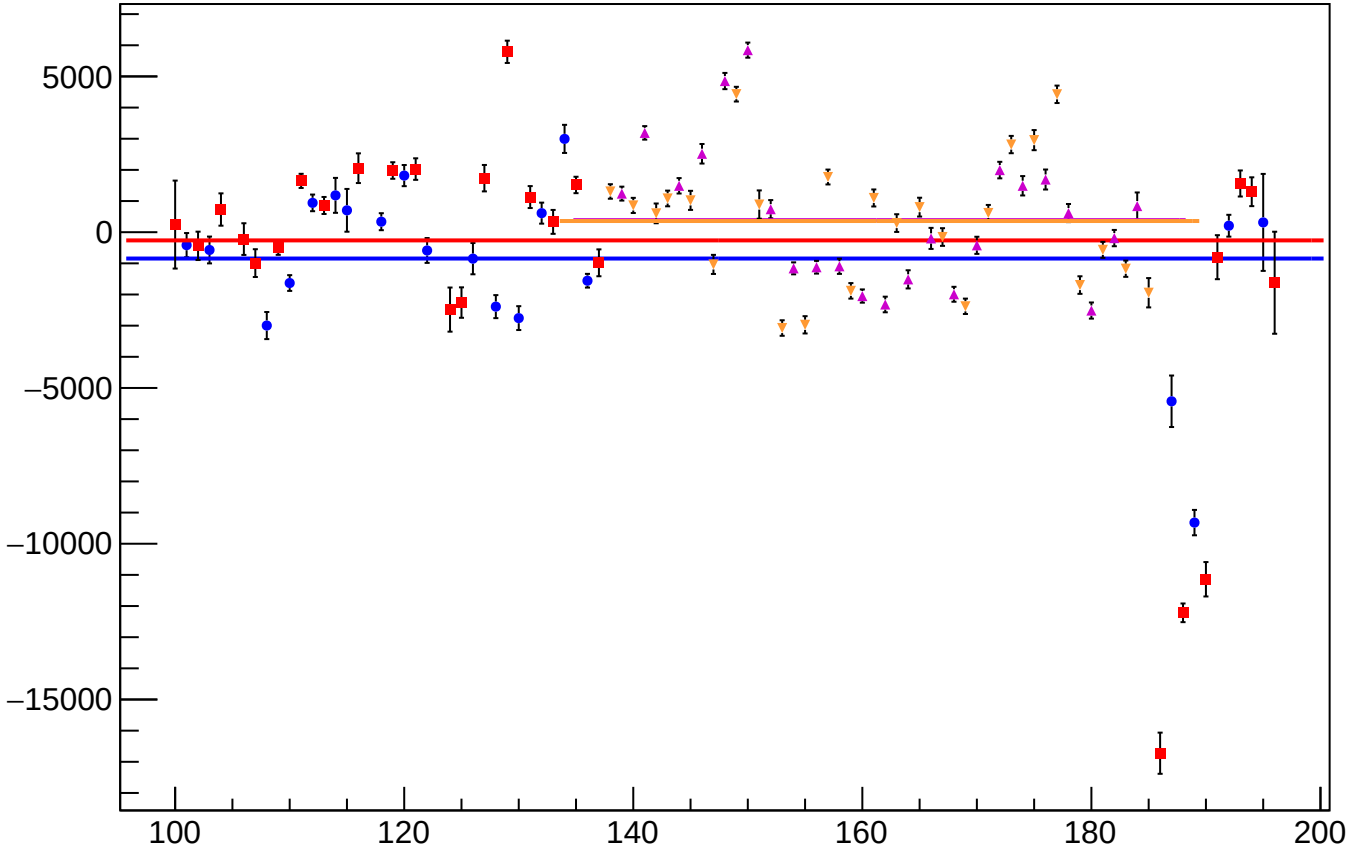
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.739+/-0.028 χ^2/NDF: 2157814.4/44

All: 203.162+/-0.019 χ^2/NDF: 5286956.8/93

- sign 197.412+/-0.026 χ^2/NDF: 3027954.0/48

asym_bpm0i07WS_mean vs Slug



Right In: -845.583+/-81.884 χ^2/NDF: 796.8/19

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -263.228+/-74.103 χ^2/NDF: 3268.7/25

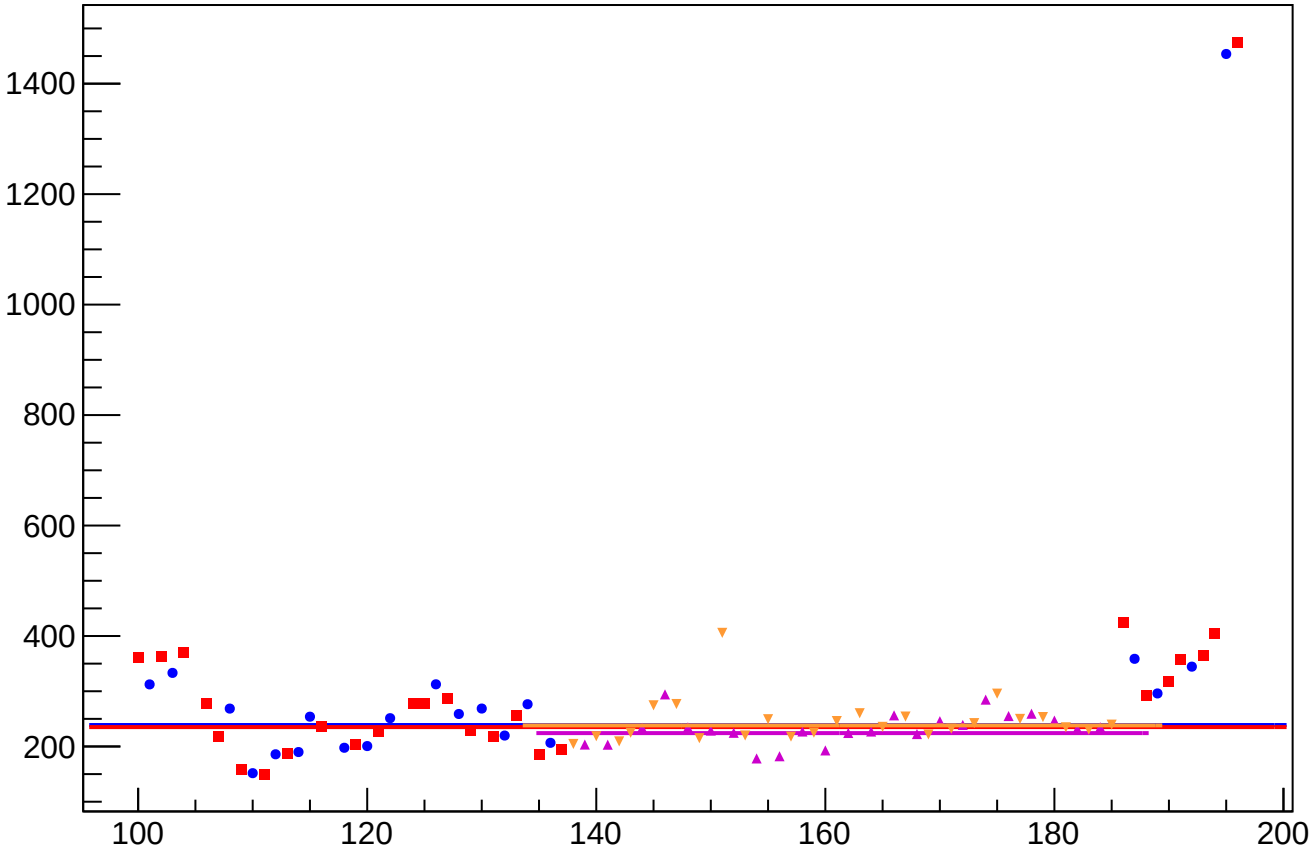
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.636+/-45.652 χ^2/NDF: 2364.8/44

All: 78.745+/-31.451 χ^2/NDF: 7496.4/93

- sign 164.012+/-43.392 χ^2/NDF: 5123.5/48

asym_bpm0i07WS_rms vs Slug



Right In: 238.838+/-0.058 χ^2/NDF: 2189011.3/19

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 235.101+/-0.052 χ^2/NDF: 3050816.2/25

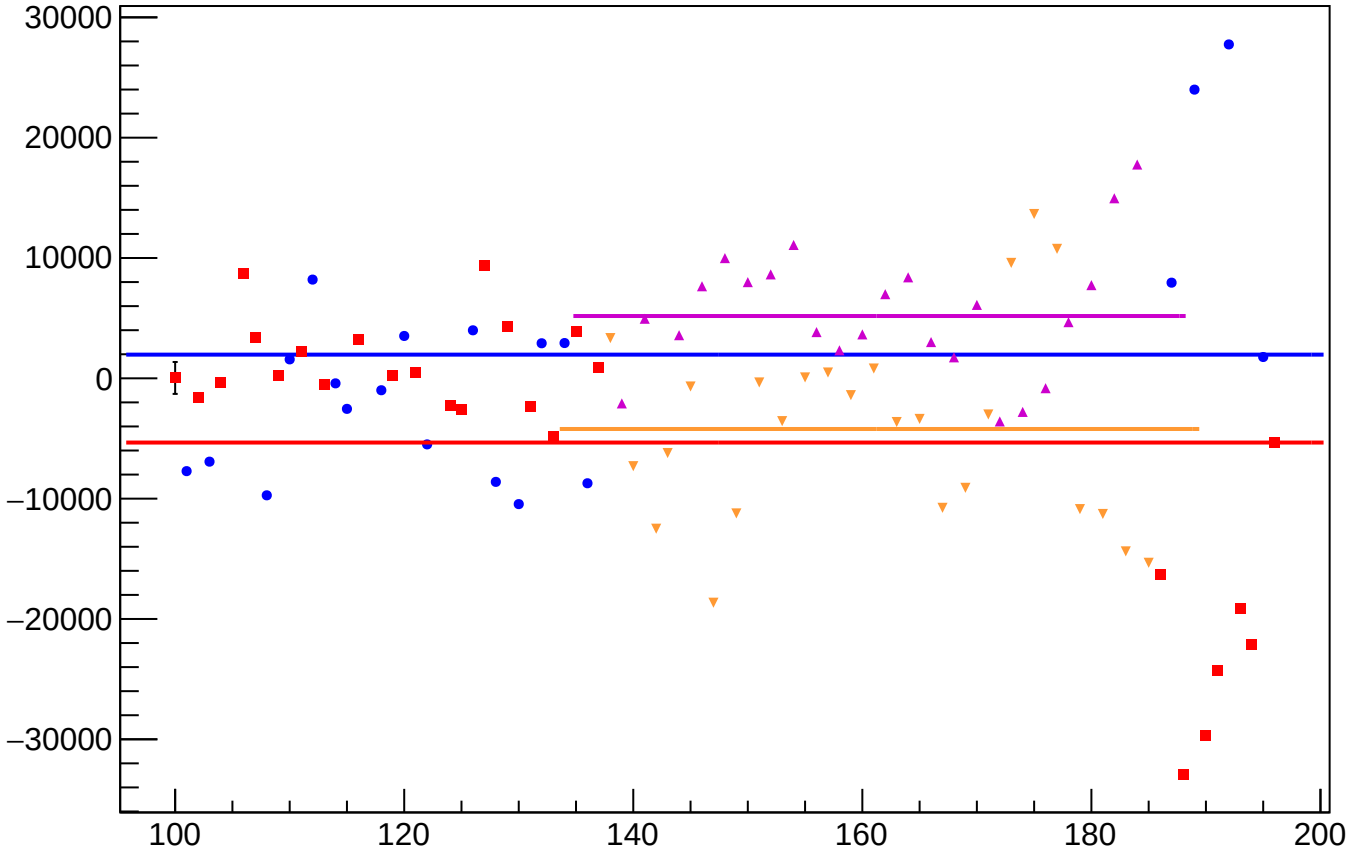
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 238.398+/-0.032 χ^2/NDF: 2757030.6/44

All: 232.907+/-0.022 χ^2/NDF: 6454536.6/93

- sign 227.945+/-0.031 χ^2/NDF: 3642423.8/48

asym_bpm1i02WS_mean vs Slug



Right In: 1968.852+/-41.418 χ^2/NDF: 68454.8/19

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5337.653+/-37.419 χ^2/NDF: 101168.5/25

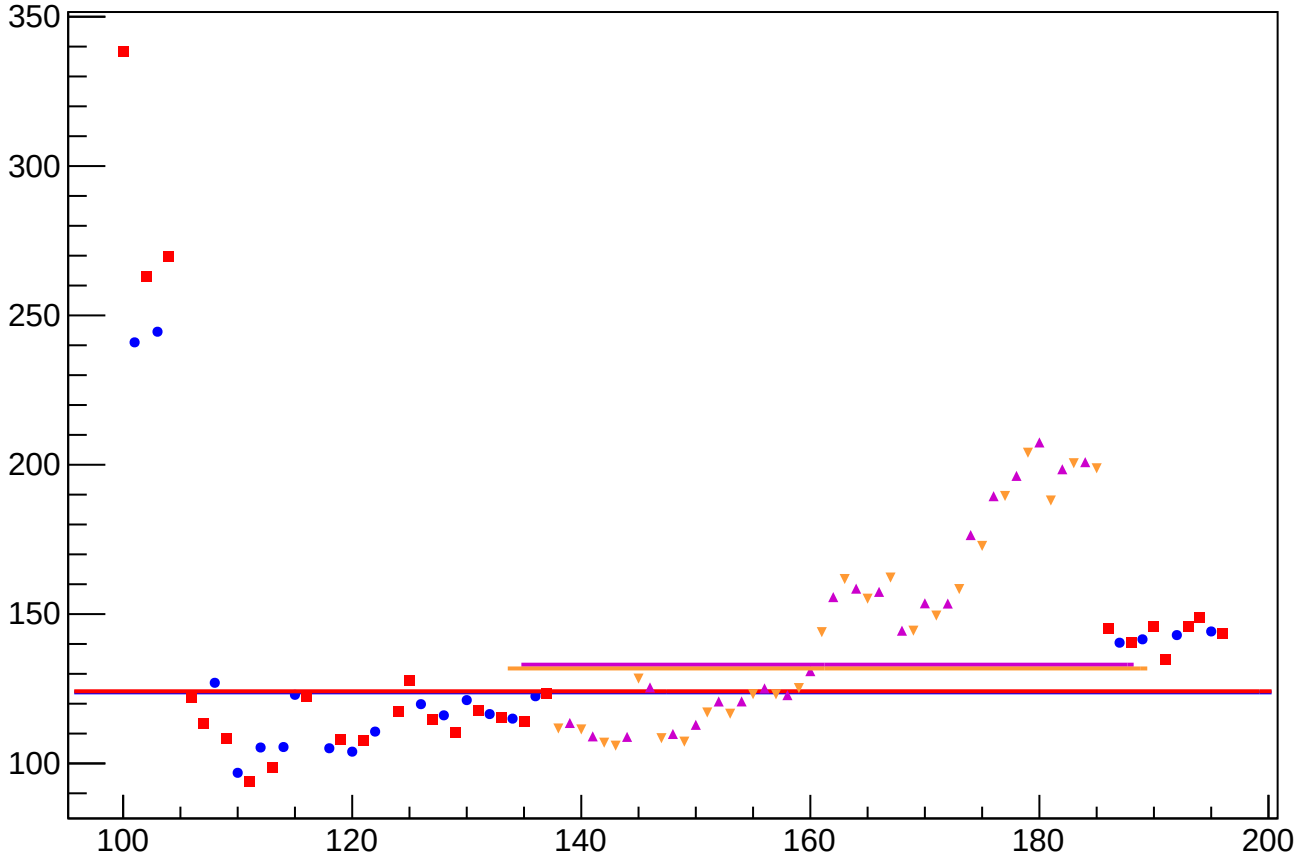
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2007.594+/-24.730 χ^2/NDF: 139581.5/44

All: -609.504+/-17.335 χ^2/NDF: 311229.0/93

- sign 741.100+/-24.306 χ^2/NDF: 165363.8/48

asym_bpm1i02WS_rms vs Slug



Right In: 123.799+/-0.029 χ^2/NDF: 850316.3/19

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 124.160+/-0.026 χ^2/NDF: 1110648.6/25

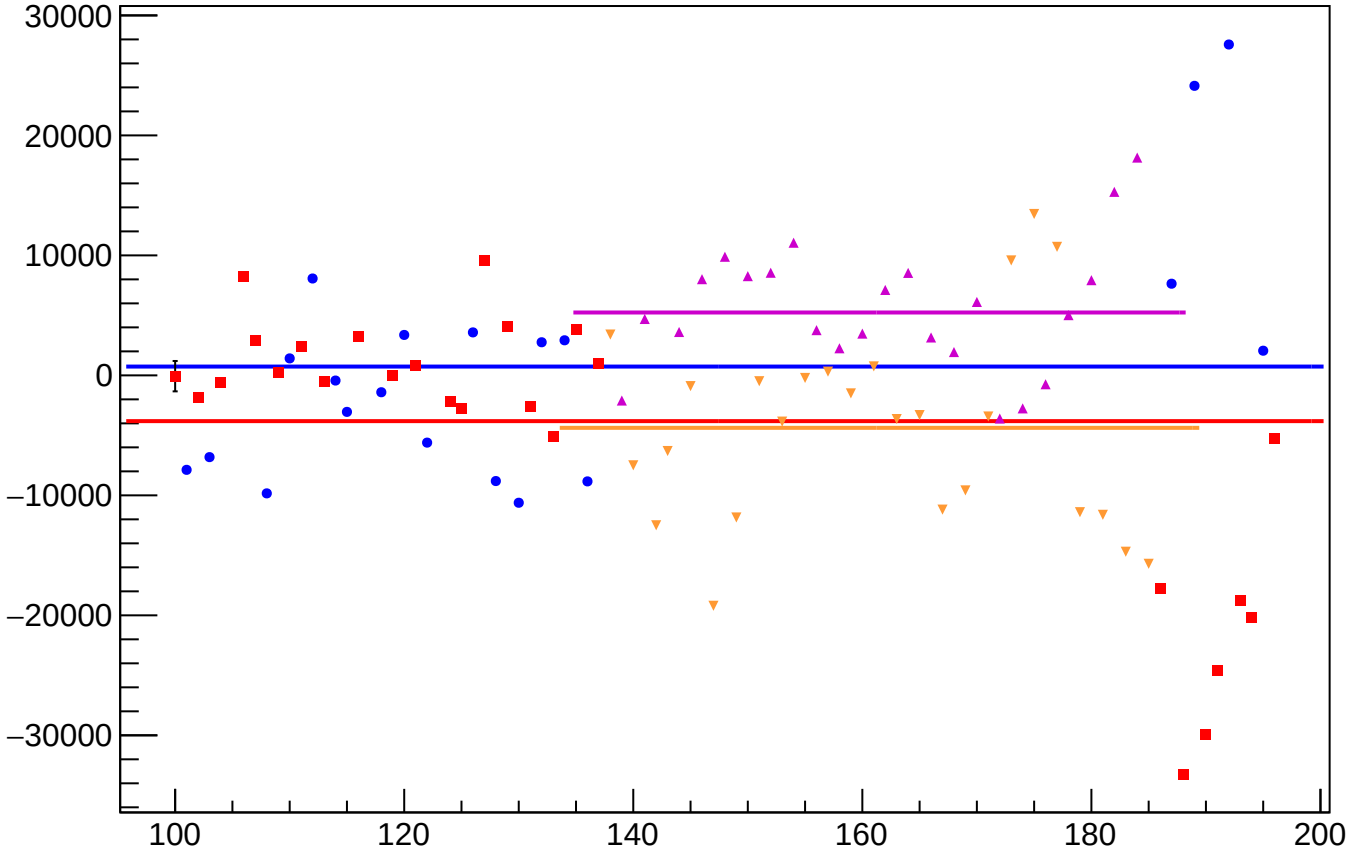
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.946+/-0.017 χ^2/NDF: 2442659.4/44

All: 129.129+/-0.012 χ^2/NDF: 5037202.8/93

- sign 129.305+/-0.017 χ^2/NDF: 2594328.5/48

asym_bpm1i04WS_mean vs Slug



Right In: 733.788+/-36.301 χ^2/NDF: 72980.5/19

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3814.063+/-33.271 χ^2/NDF: 109010.1/25

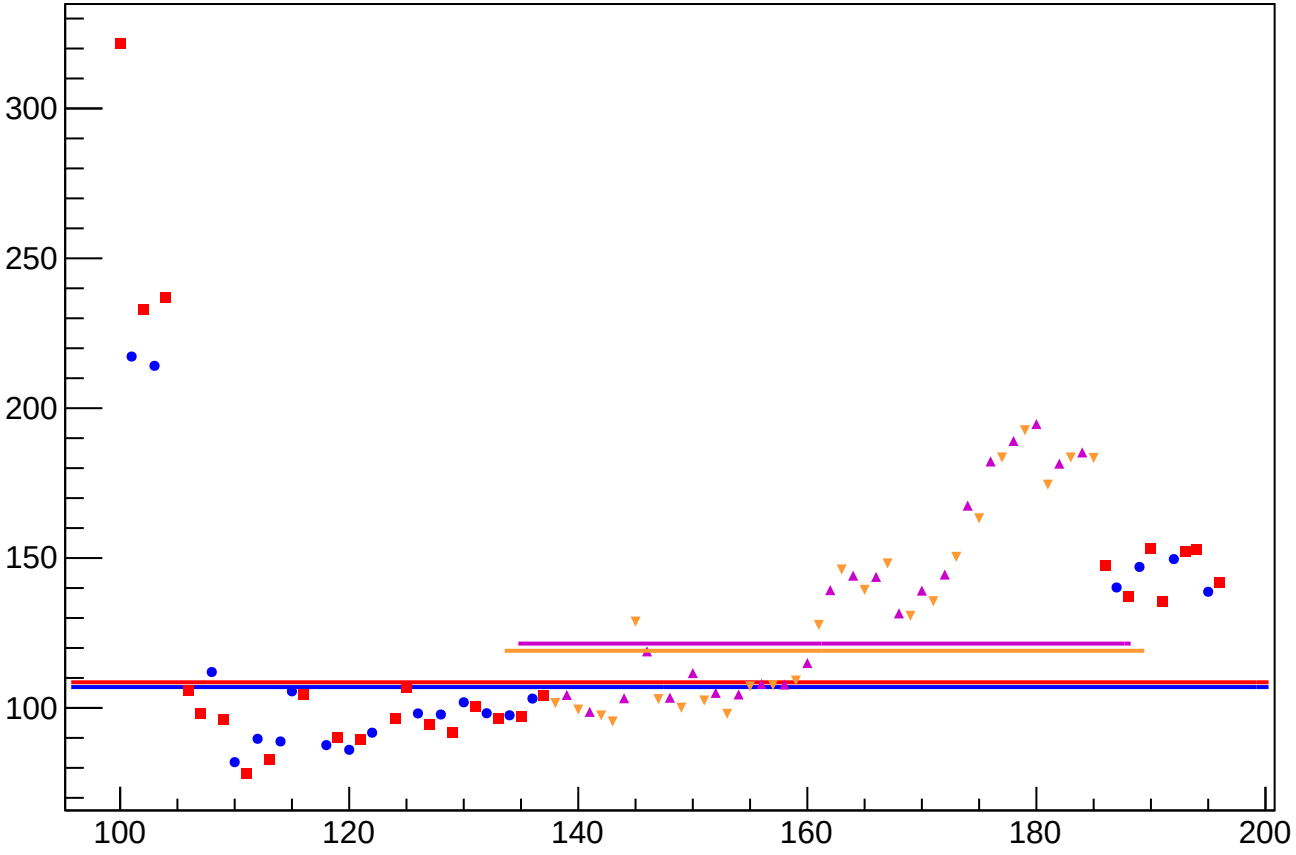
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2471.695+/-22.149 χ^2/NDF: 152621.0/44

All: -574.202+/-15.597 χ^2/NDF: 340230.7/93

- sign 1292.541+/-21.968 χ^2/NDF: 173049.7/48

asym_bpm1i04WS_rms vs Slug



Right In: 106.951+/-0.026 χ^2/NDF: 1222351.9/19

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 108.550+/-0.024 χ^2/NDF: 1684070.5/25

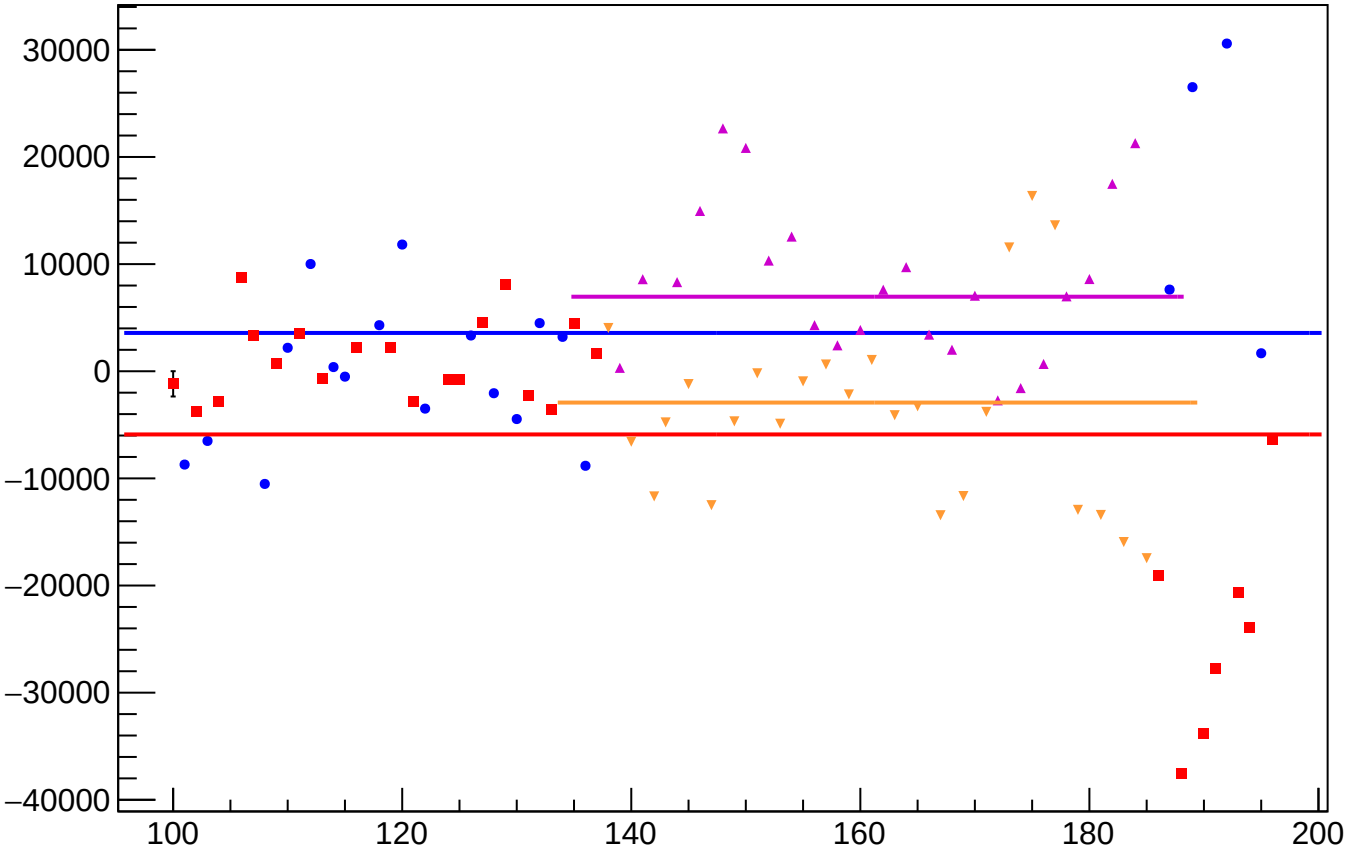
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 114.555+/-0.016 χ^2/NDF: 3117564.5/44

All: 115.201+/-0.011 χ^2/NDF: 6504441.2/93

- sign 115.836+/-0.016 χ^2/NDF: 3383504.2/48

asym_bpm1i06WS_mean vs Slug



Right In: 3575.947+/-47.927 χ^2/NDF: 54678.4/19

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5897.687+/-43.918 χ^2/NDF: 90423.3/25

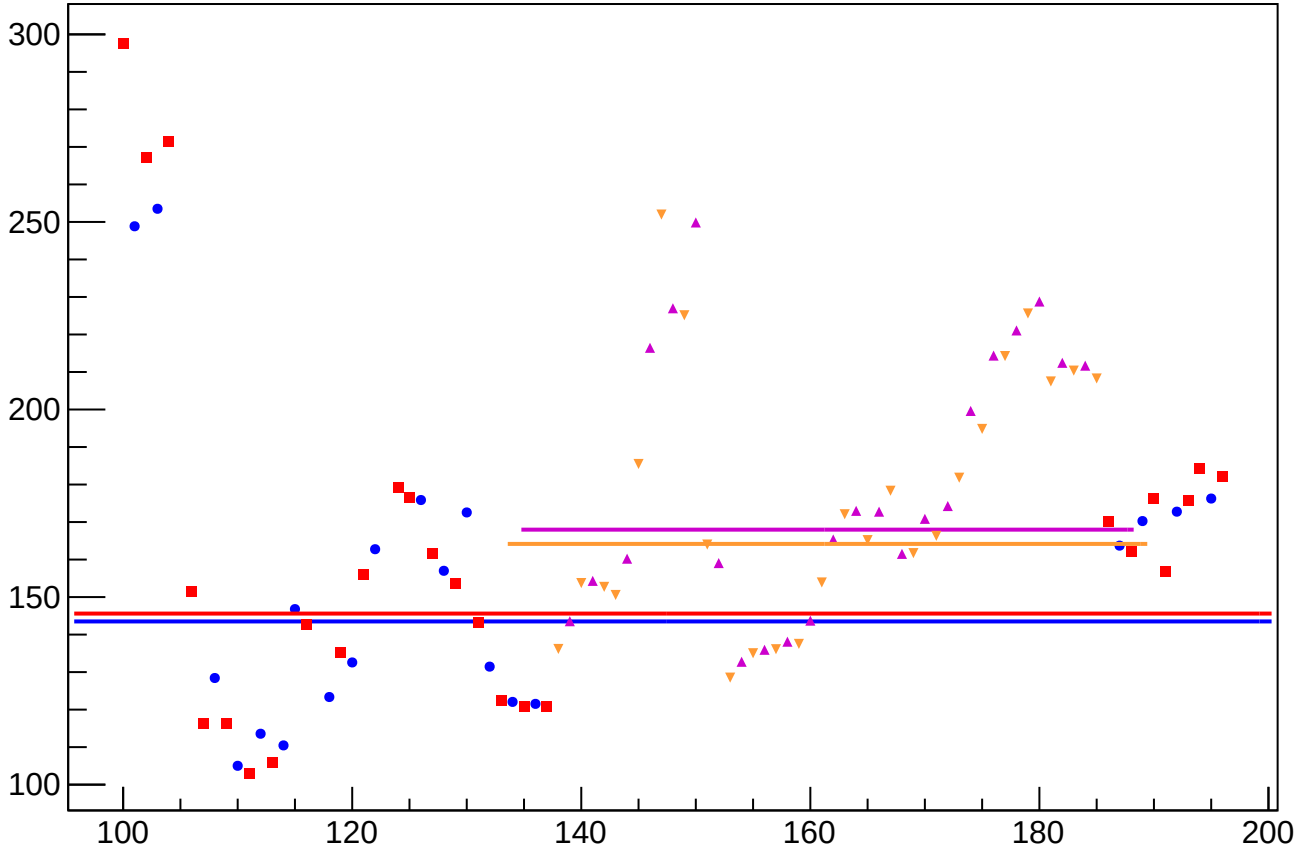
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -399.524+/-29.865 χ^2/NDF: 103978.7/44

All: 349.872+/-21.049 χ^2/NDF: 264558.5/93

- sign 1089.582+/-29.671 χ^2/NDF: 159328.6/48

asym_bpm1i06WS_rms vs Slug



Right In: 143.506+/-0.034 χ^2/NDF: 979615.8/19

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 145.603+/-0.031 χ^2/NDF: 1260367.1/25

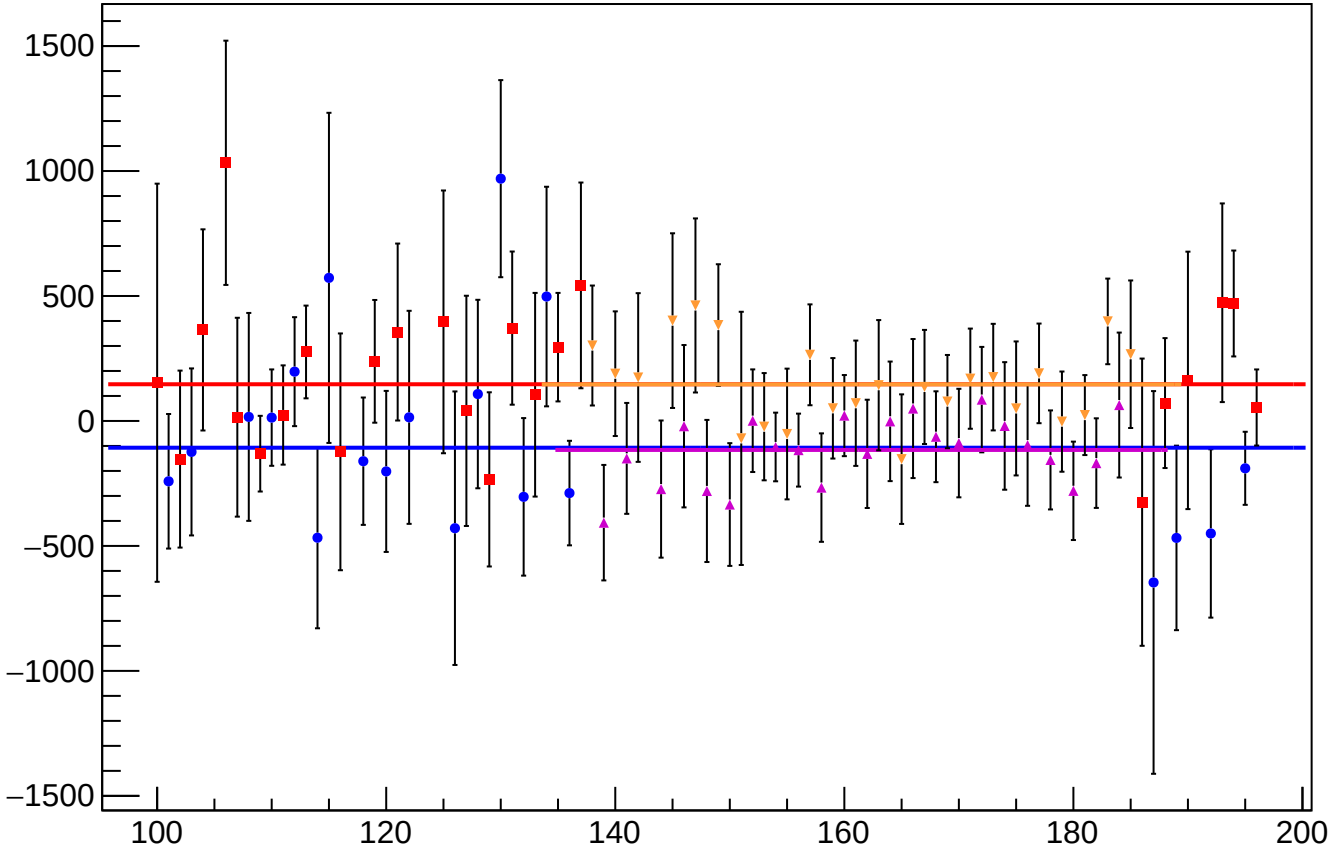
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 156.148+/-0.021 χ^2/NDF: 2431494.1/44

All: 156.961+/-0.015 χ^2/NDF: 5199658.6/93

- sign 157.763+/-0.021 χ^2/NDF: 2765218.2/48

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -107.022+/-65.022 χ^2/NDF: 18.9/19

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 146.861+/-57.070 χ^2/NDF: 17.0/23

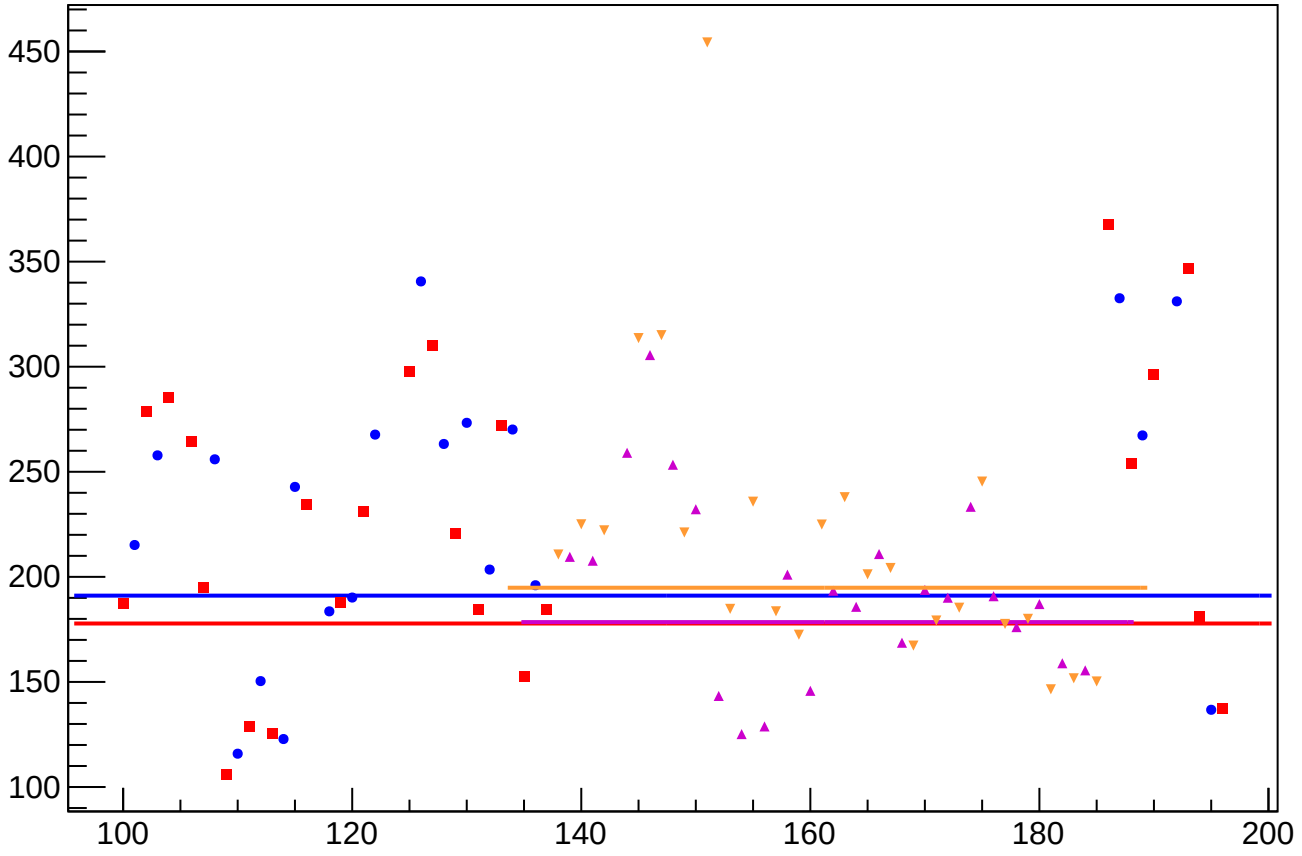
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 59.572+/-38.053 χ^2/NDF: 38.8/43

All: 16.564+/-25.619 χ^2/NDF: 79.2/90

- sign -19.093+/-34.649 χ^2/NDF: 38.0/46

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 191.067+/-0.046 χ^2/NDF: 1822371.3/19

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 177.805+/-0.040 χ^2/NDF: 2615170.9/23

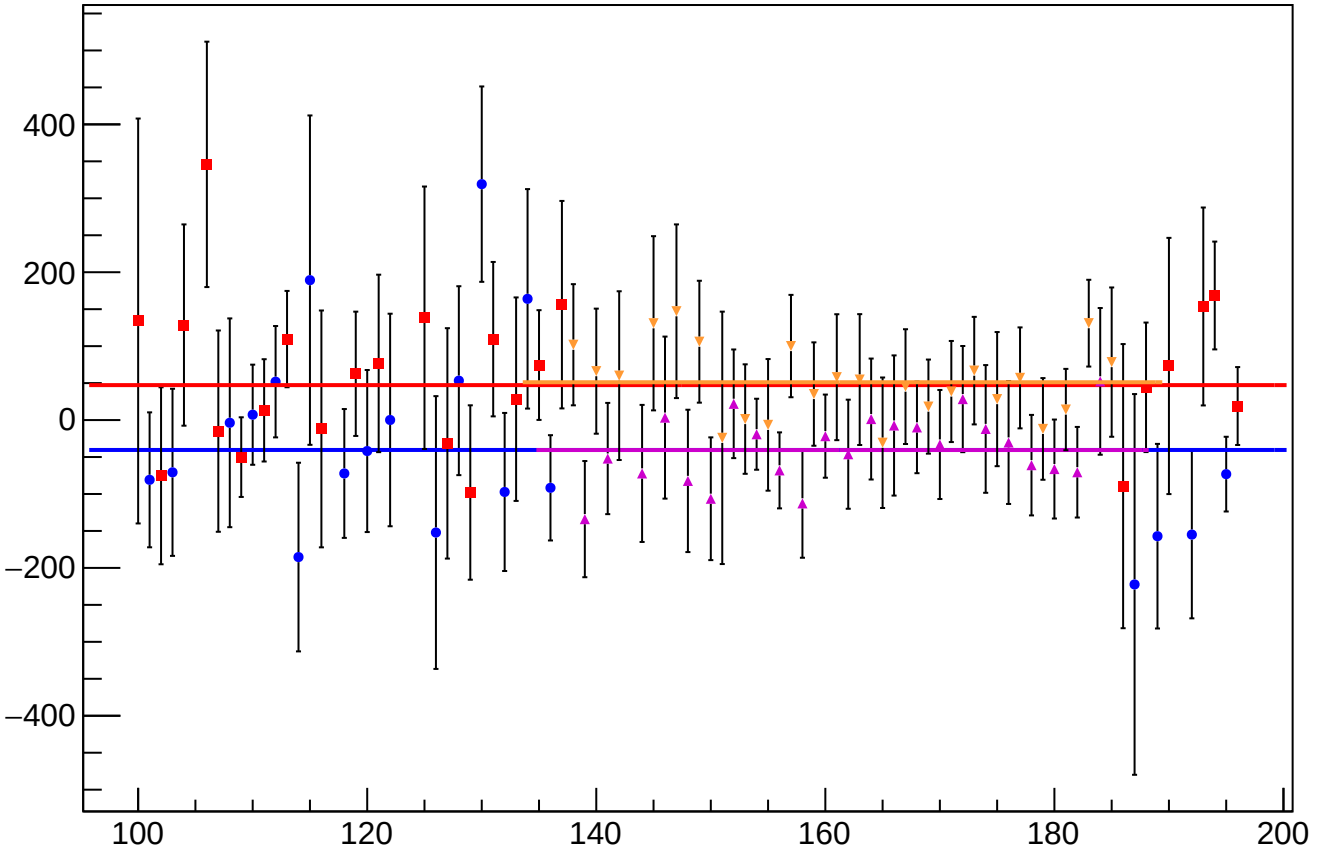
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 193.540+/-0.027 χ^2/NDF: 3579246.5/43

All: 185.169+/-0.018 χ^2/NDF: 8047905.9/90

- sign 178.228+/-0.025 χ^2/NDF: 4291611.8/46

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -40.442+/-22.282 χ^2/NDF: 18.7/19

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 47.284+/-19.679 χ^2/NDF: 17.0/23

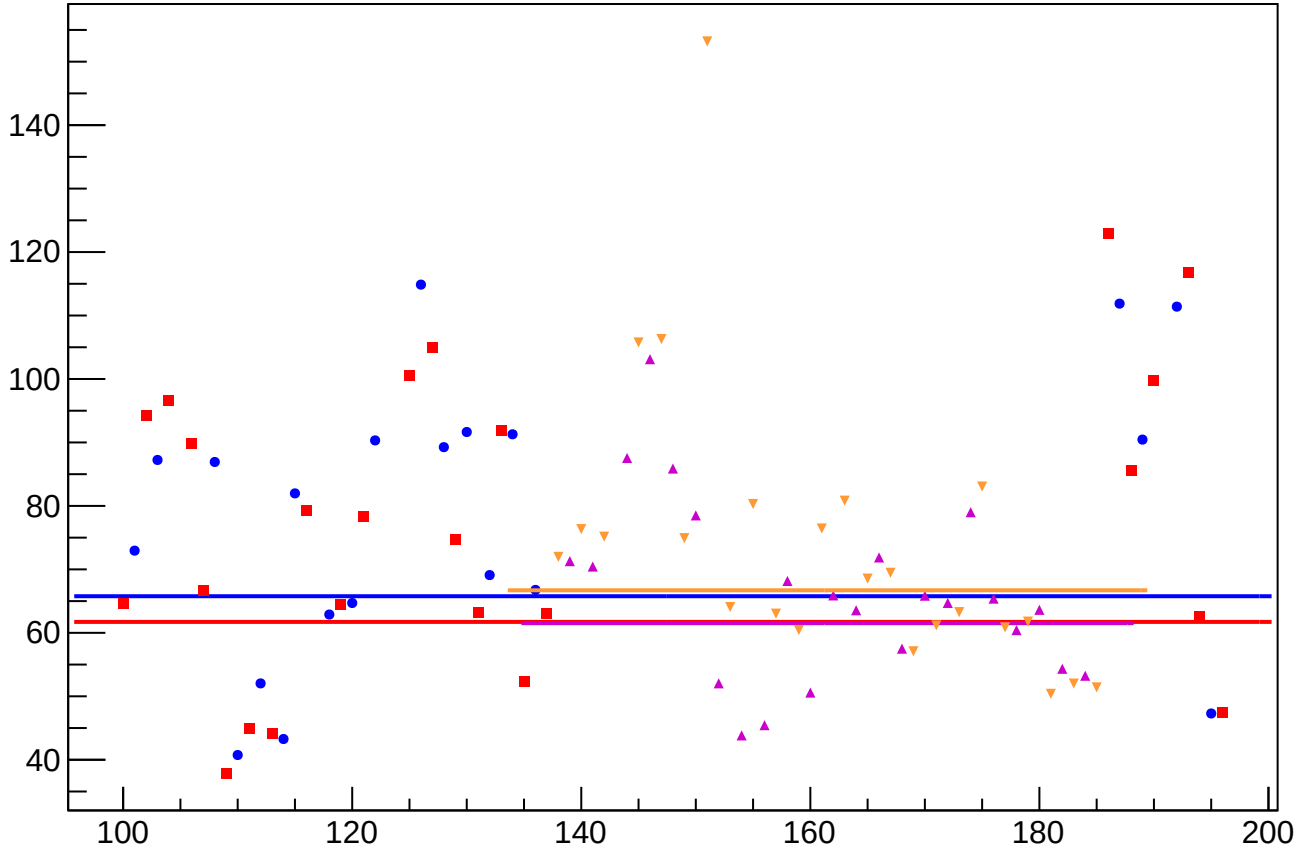
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 19.903+/-13.016 χ^2/NDF: 38.0/43

All: 4.548+/-8.790 χ^2/NDF: 78.0/90

- sign -8.326+/-11.918 χ^2/NDF: 37.4/46

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 65.769+/-0.016 χ^2/NDF: 1683693.6/19

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 61.724+/-0.014 χ^2/NDF: 2396104.7/23

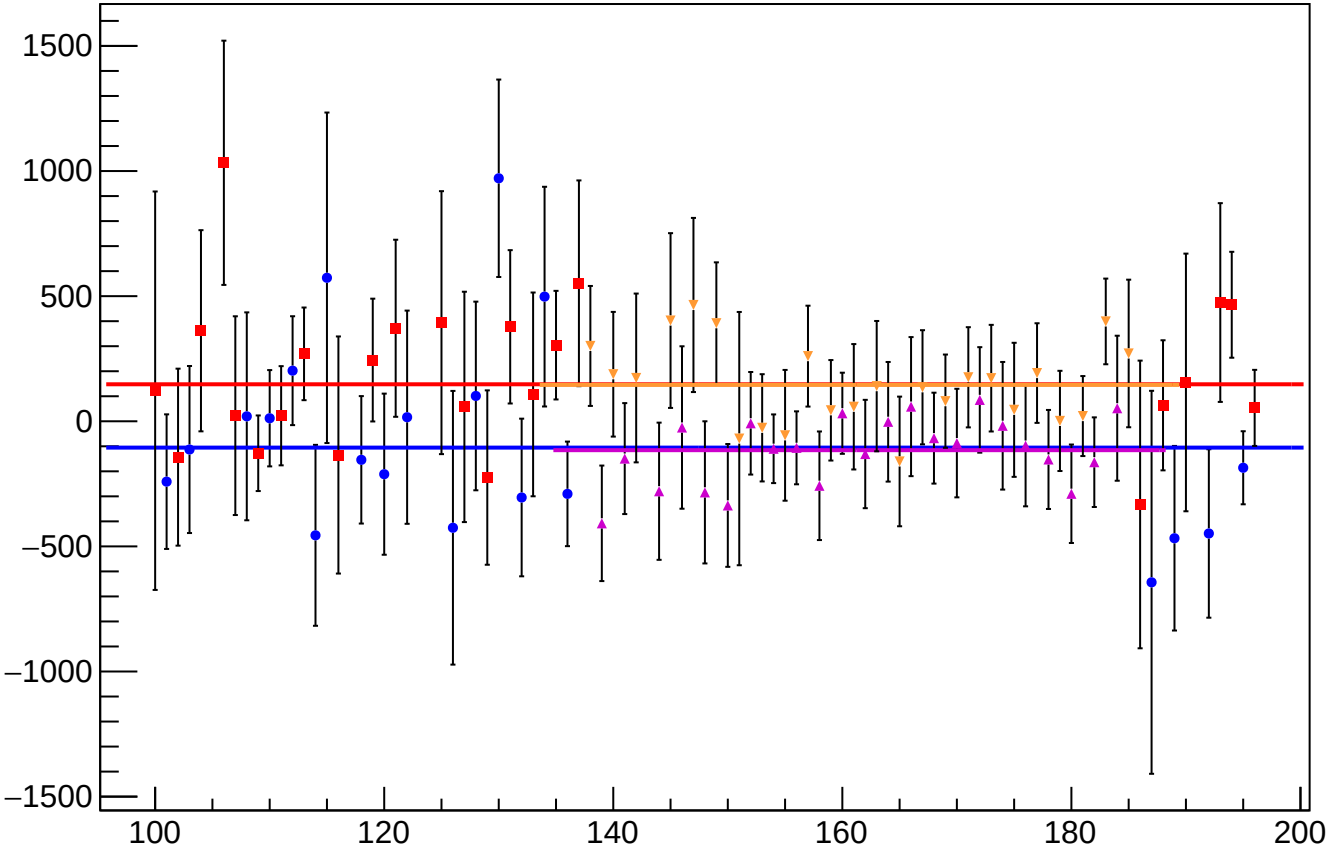
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.384+/-0.009 χ^2/NDF: 3362338.0/43

All: 63.782+/-0.006 χ^2/NDF: 7395368.3/90

- sign 61.600+/-0.008 χ^2/NDF: 3886077.6/46

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -105.242+/-64.952 χ^2/NDF: 18.9/19

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 147.837+/-57.000 χ^2/NDF: 17.0/23

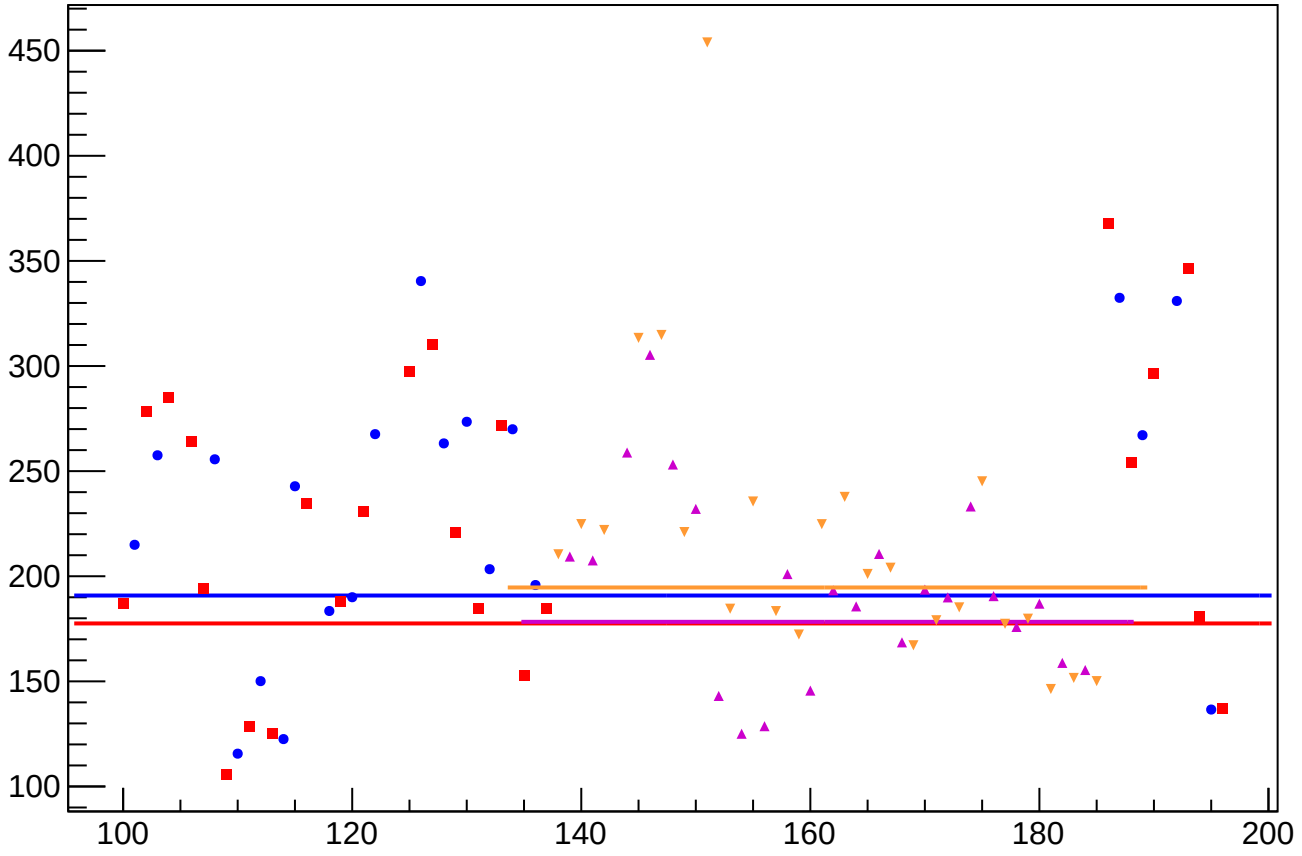
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 59.579+/-38.018 χ^2/NDF: 38.9/43

All: 16.955+/-25.595 χ^2/NDF: 79.5/90

- sign -18.380+/-34.615 χ^2/NDF: 38.2/46

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 190.831+/-0.046 χ^2/NDF: 1827774.6/19

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 177.549+/-0.040 χ^2/NDF: 2623547.1/23

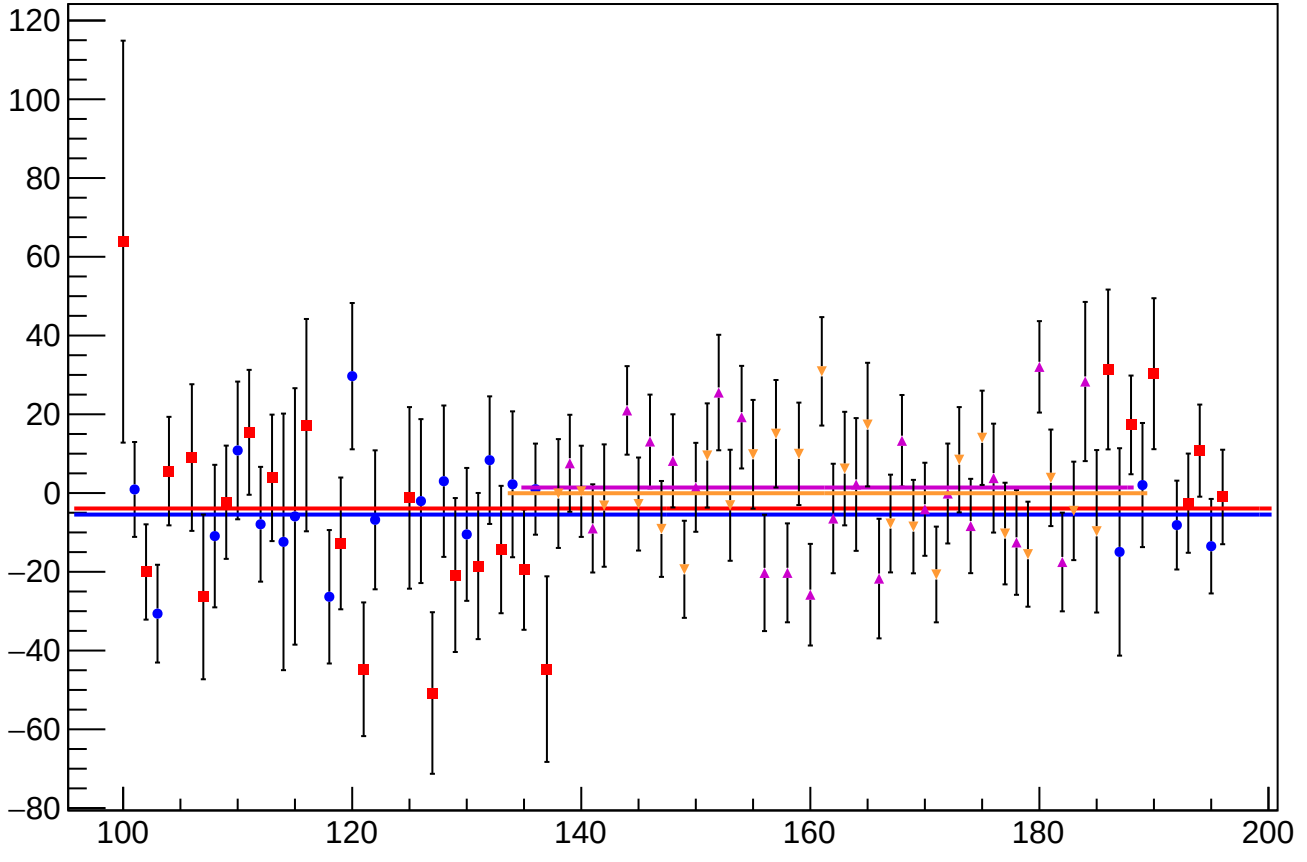
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 193.348+/-0.027 χ^2/NDF: 3585461.1/43

All: 184.975+/-0.018 χ^2/NDF: 8064993.4/90

- sign 178.034+/-0.024 χ^2/NDF: 4302113.5/46

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -5.467+/-3.561 χ^2/NDF: 12.9/19

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -3.922+/-3.324 χ^2/NDF: 35.8/23

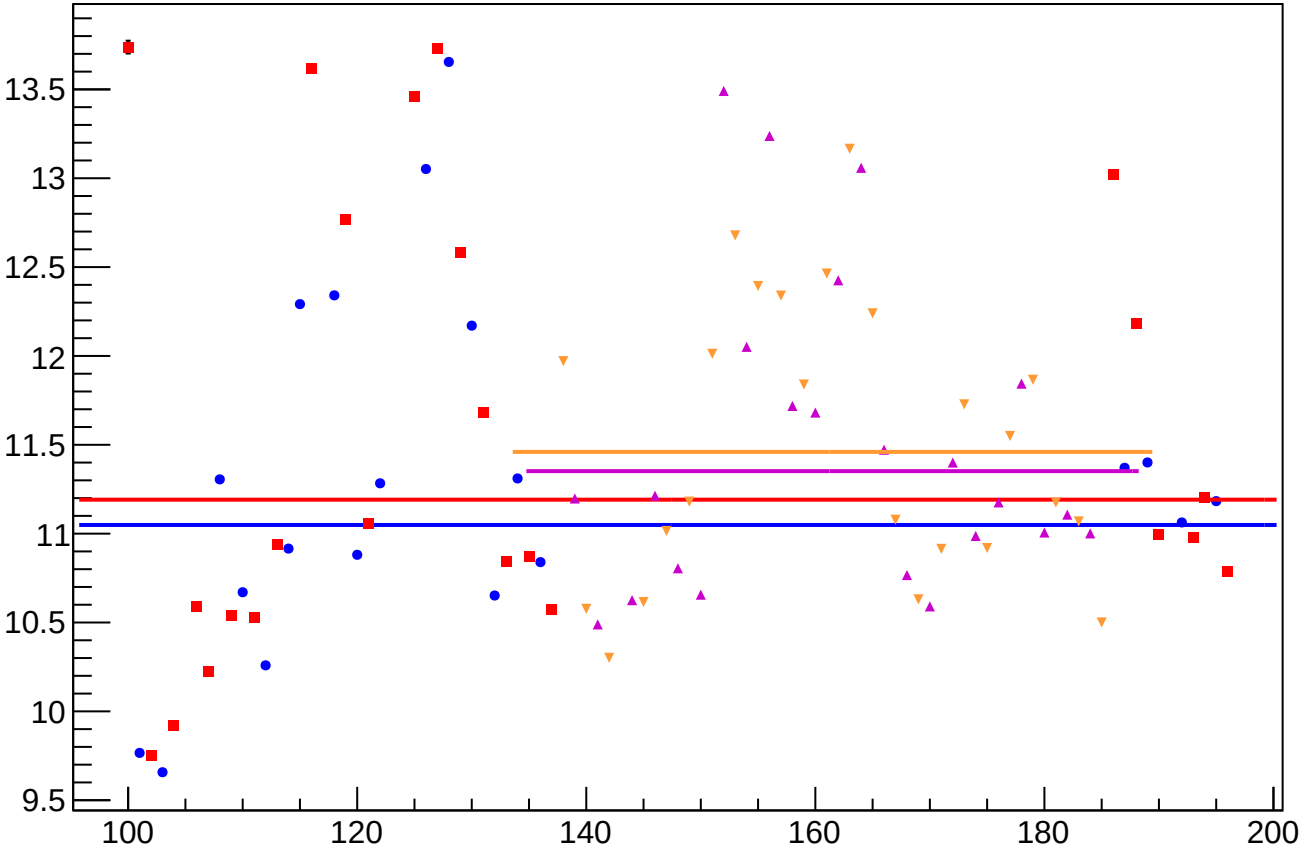
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -2.011+/-2.144 χ^2/NDF: 34.9/43

All: -1.330+/-1.494 χ^2/NDF: 108.8/90

- sign -0.687+/-2.083 χ^2/NDF: 73.7/46

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.049+/-0.003 χ^2/NDF: 137997.7/19

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.191+/-0.002 χ^2/NDF: 195366.5/23

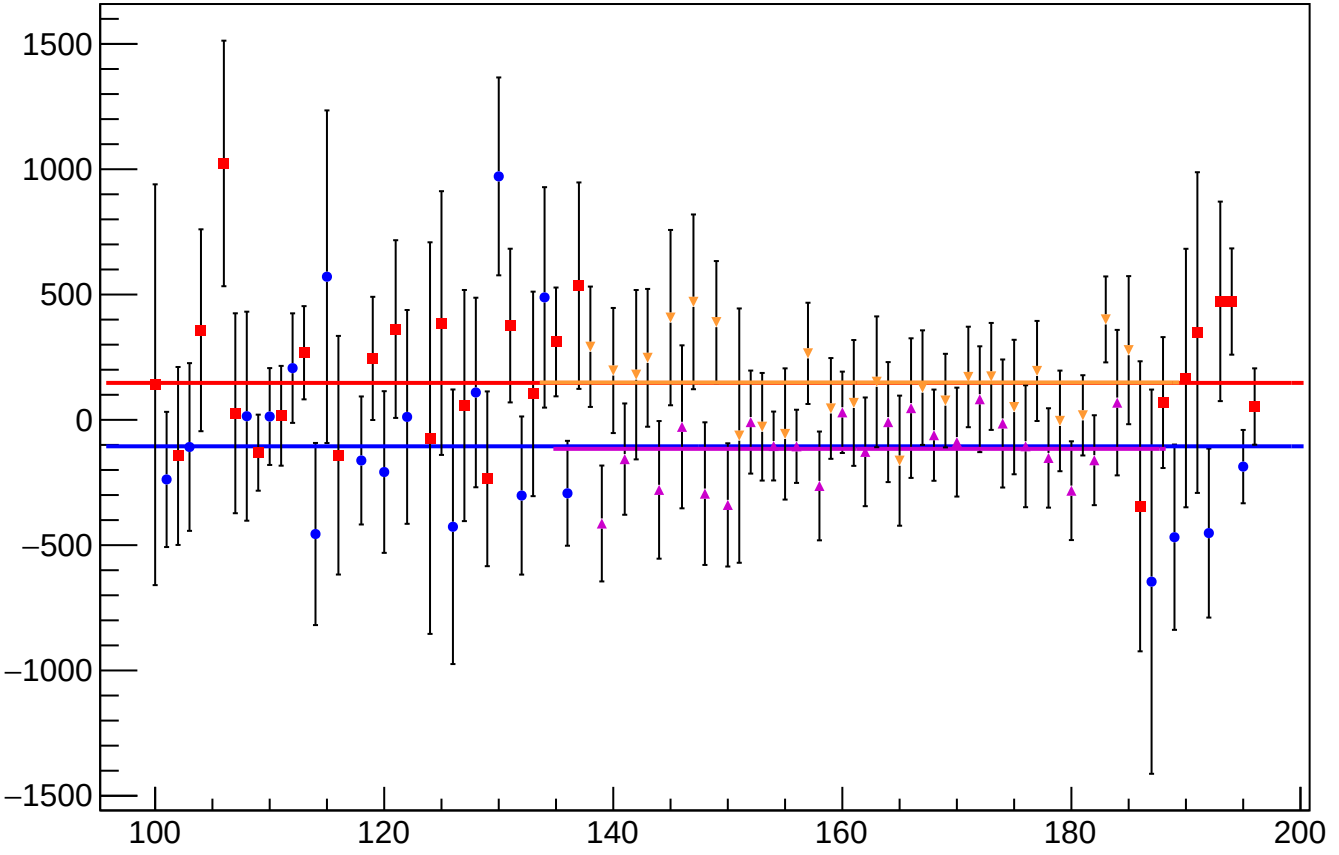
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.311+/-0.002 χ^2/NDF: 305433.0/43

All: 11.300+/-0.001 χ^2/NDF: 674305.9/90

- sign 11.289+/-0.001 χ^2/NDF: 368760.8/46

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -105.561+/-65.129 χ^2/NDF: 18.9/19

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 147.443+/-56.792 χ^2/NDF: 17.2/25

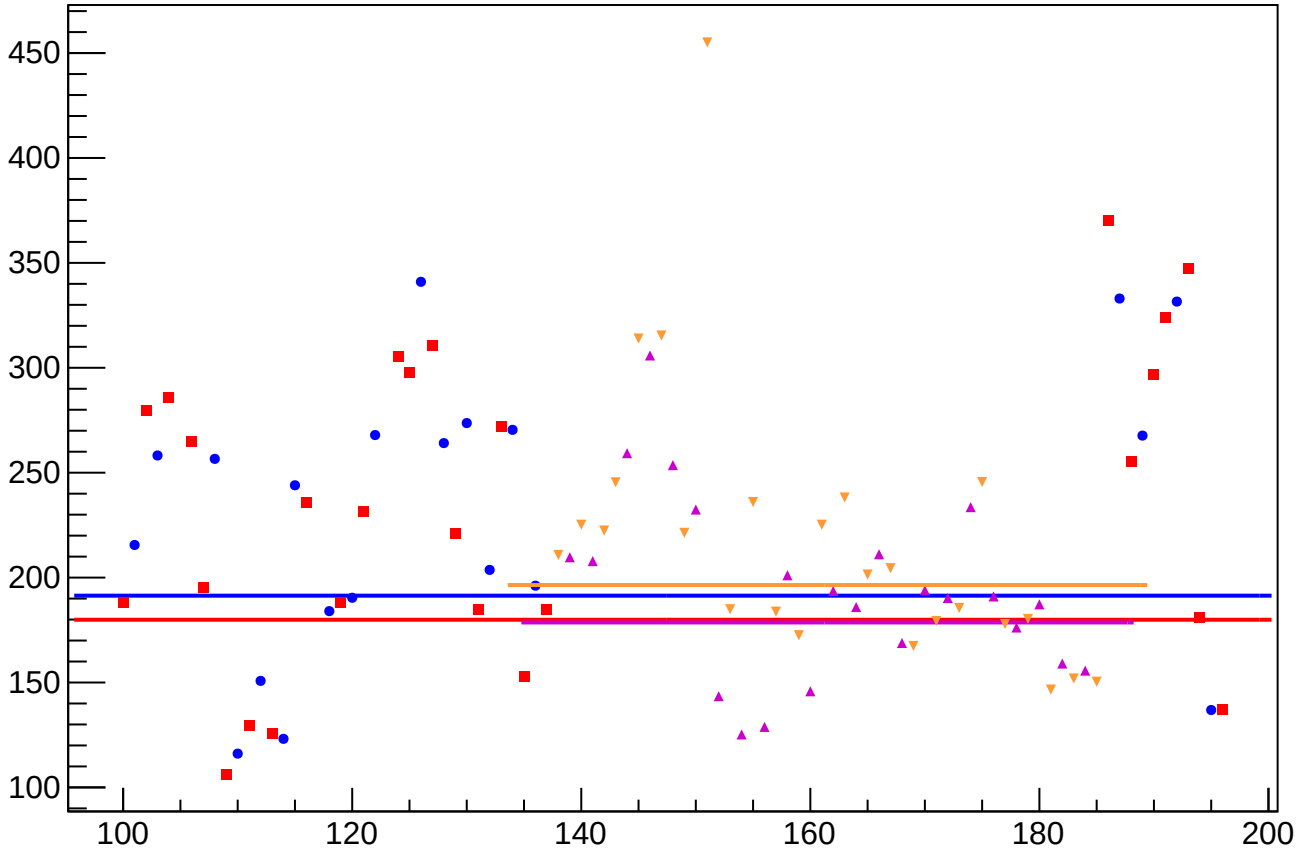
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 63.462+/-37.740 χ^2/NDF: 39.5/44

All: 19.201+/-25.505 χ^2/NDF: 80.5/93

- sign -18.010+/-34.604 χ^2/NDF: 38.5/48

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 191.385+/-0.046 χ^2/NDF: 1821625.2/19

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.912+/-0.040 χ^2/NDF: 2774585.0/25

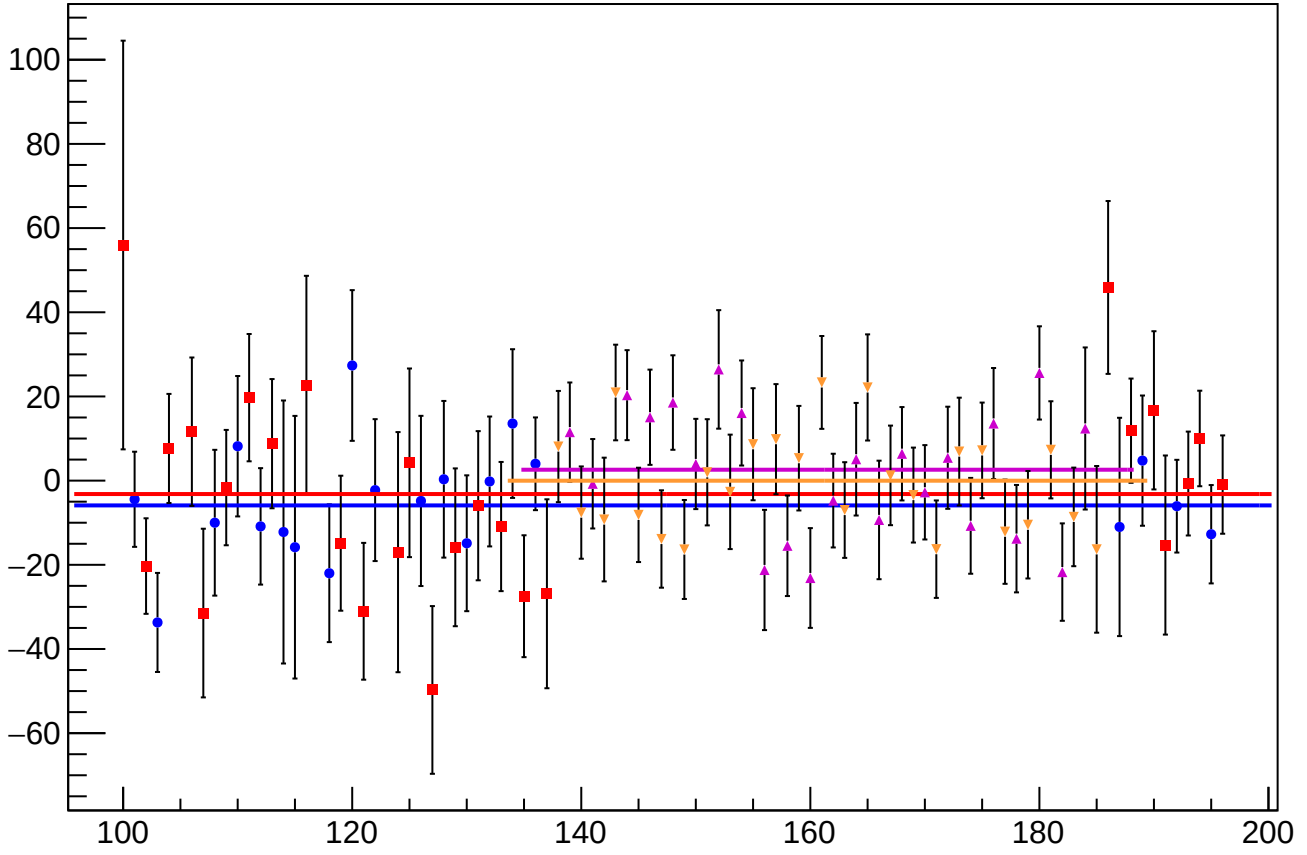
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 194.752+/-0.027 χ^2/NDF: 3648418.8/44

All: 186.247+/-0.018 χ^2/NDF: 8289513.1/93

- sign 179.096+/-0.024 χ^2/NDF: 4454101.7/48

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.887+/-3.416 χ^2/NDF: 14.5/19

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.186+/-3.142 χ^2/NDF: 35.1/25

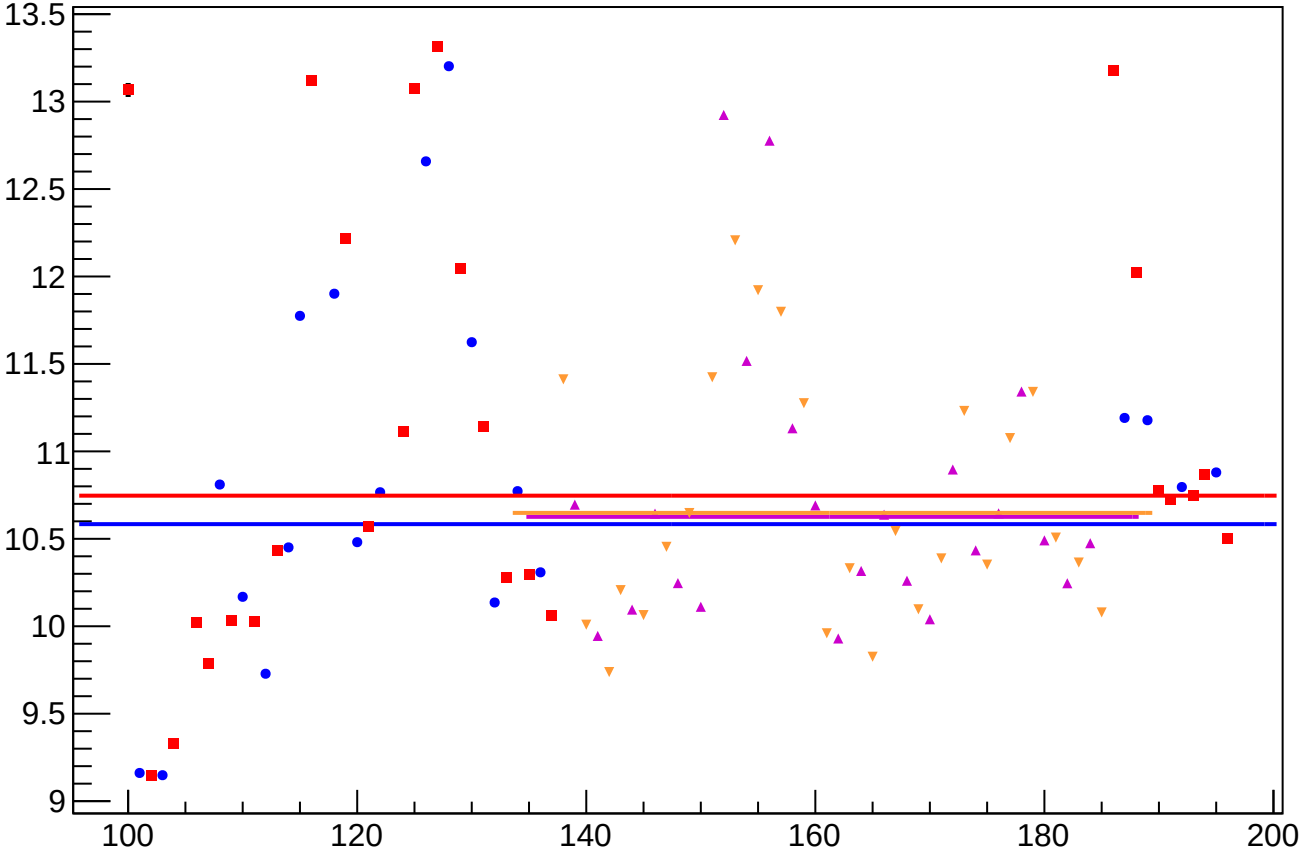
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -2.005+/-1.988 χ^2/NDF: 40.2/44

All: -0.813+/-1.395 χ^2/NDF: 112.8/93

- sign 0.345+/-1.959 χ^2/NDF: 71.9/48

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.584+/-0.002 χ^2/NDF: 165091.9/19

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.747+/-0.002 χ^2/NDF: 242619.1/25

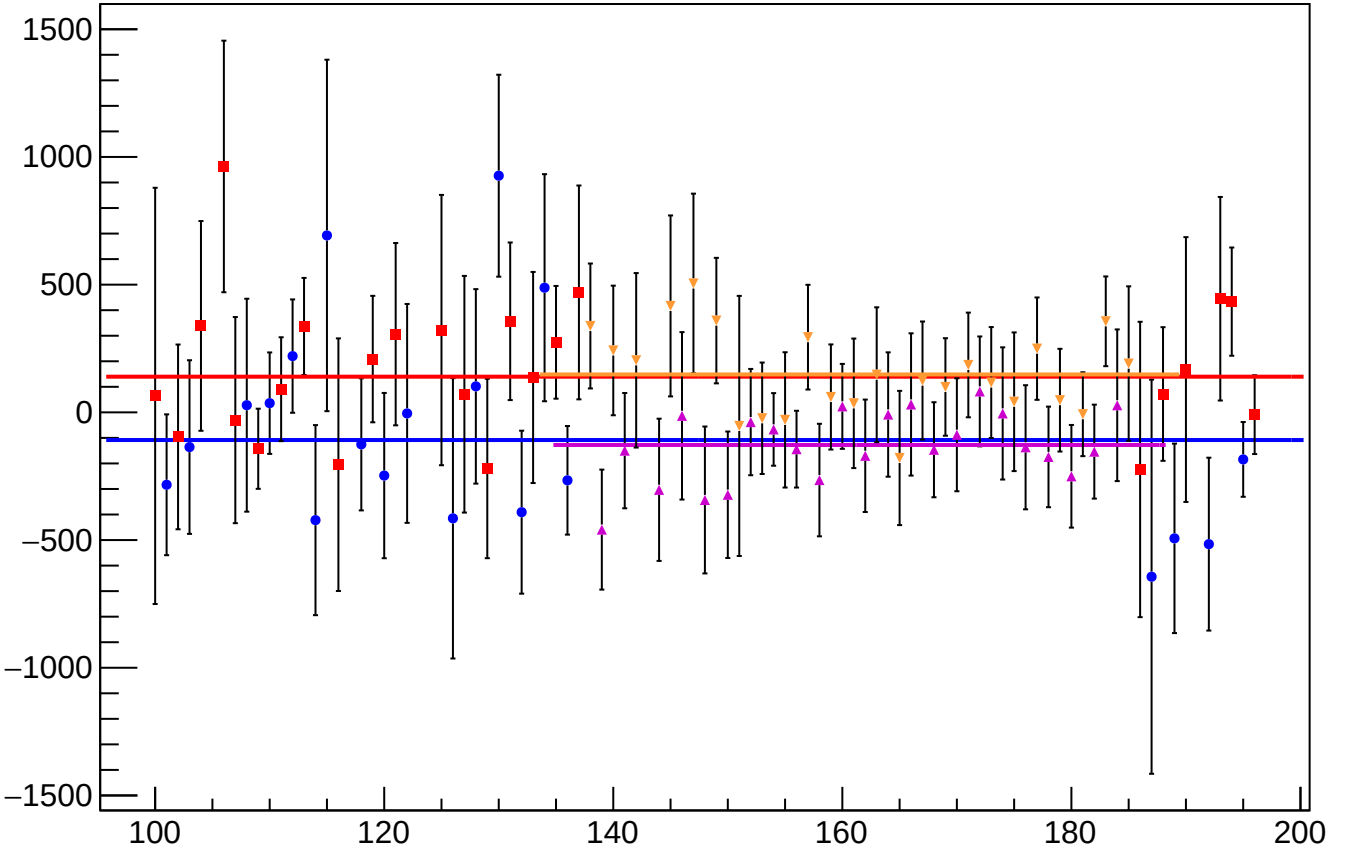
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.626+/-0.001 χ^2/NDF: 309097.3/44

All: 10.650+/-0.001 χ^2/NDF: 713624.2/93

- sign 10.673+/-0.001 χ^2/NDF: 403977.1/48

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -108.383+/-65.866 χ^2/NDF: 19.4/19

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 139.652+/-58.028 χ^2/NDF: 15.4/23

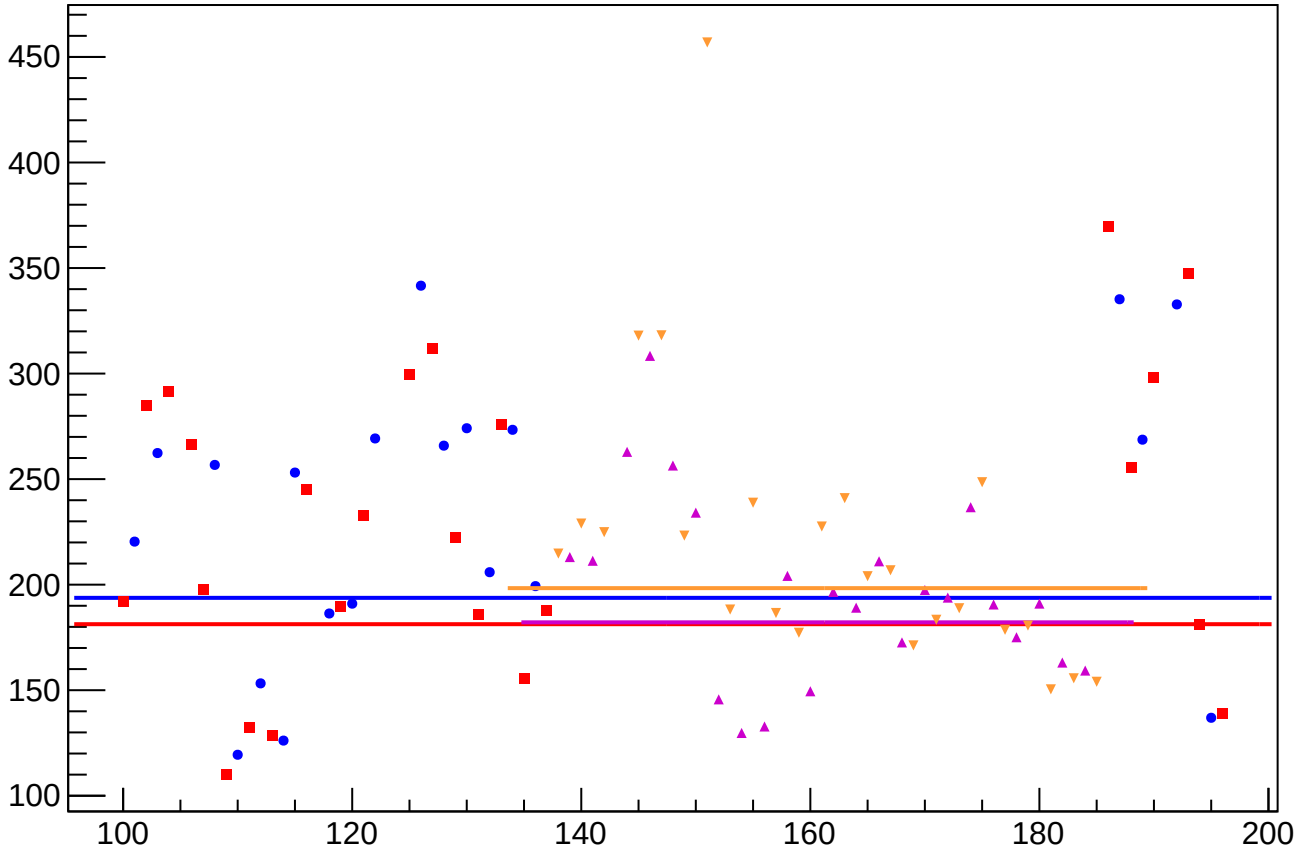
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 60.035+/-38.644 χ^2/NDF: 39.3/43

All: 11.518+/-26.053 χ^2/NDF: 78.8/90

- sign -28.909+/-35.275 χ^2/NDF: 36.6/46

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 193.753+/-0.047 χ^2/NDF: 1793281.5/19

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 181.274+/-0.041 χ^2/NDF: 2527119.4/23

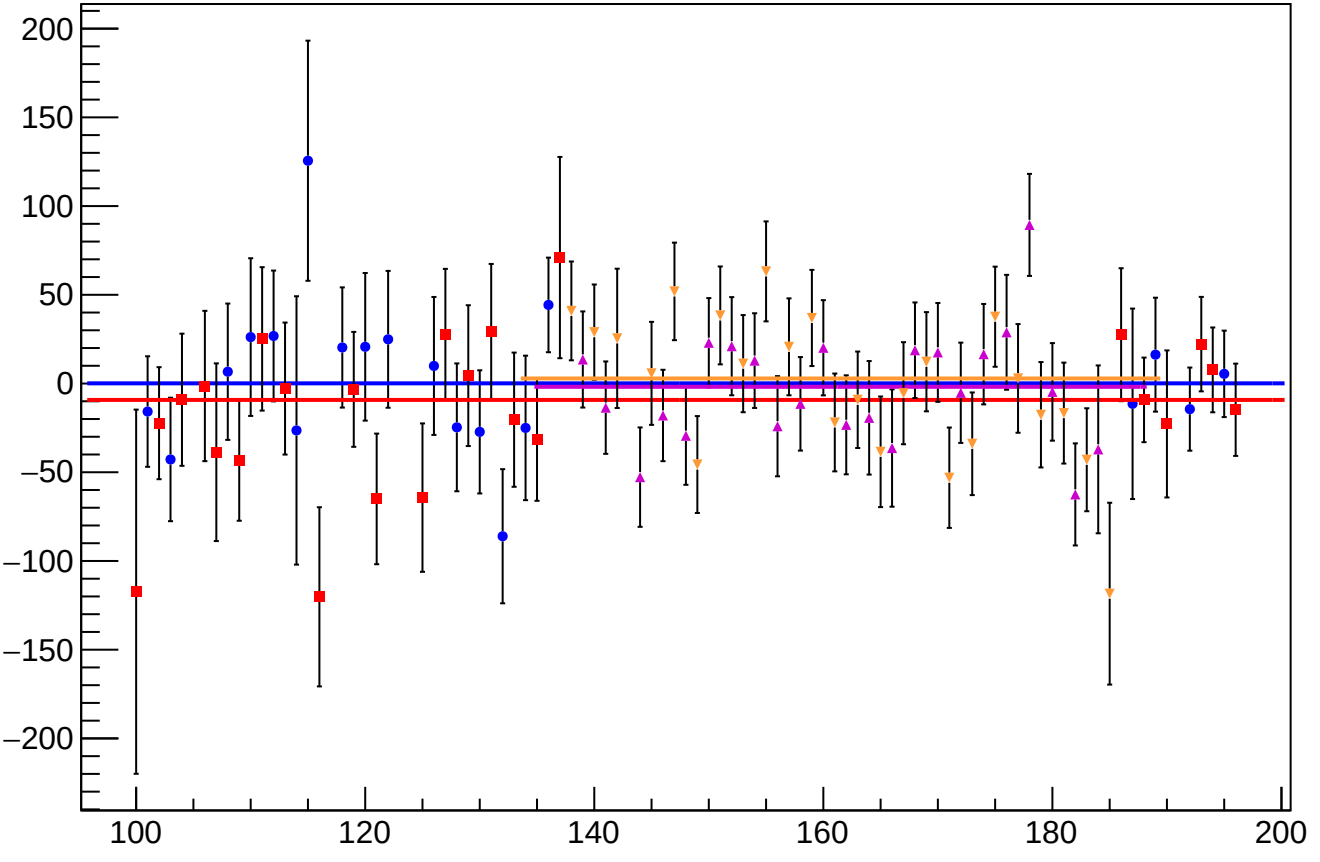
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 196.768+/-0.027 χ^2/NDF: 3496733.0/43

All: 188.618+/-0.018 χ^2/NDF: 7771603.7/90

- sign 181.826+/-0.025 χ^2/NDF: 4111765.1/46

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.103+/-7.883 χ^2/NDF: 17.5/19

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -9.243+/-7.209 χ^2/NDF: 20.0/23

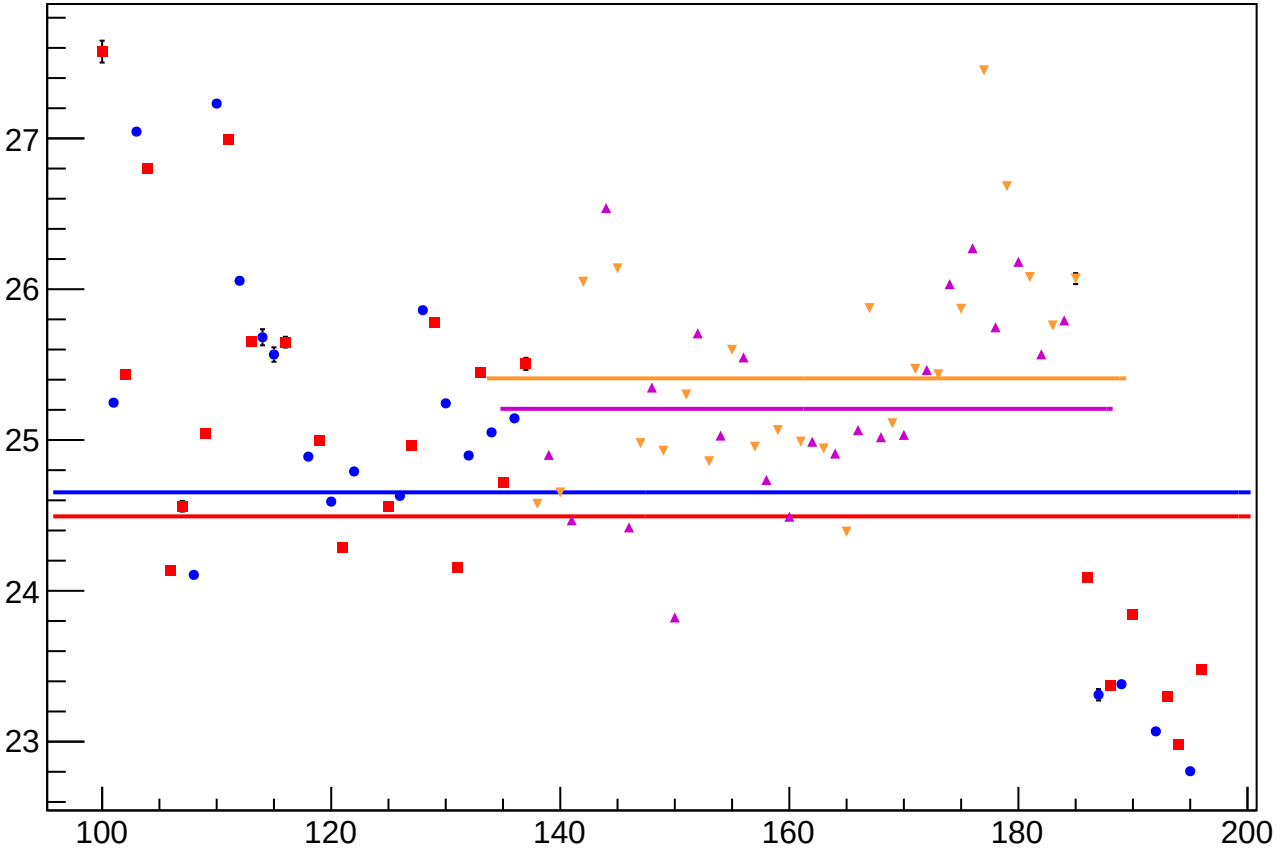
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.863+/-4.726 χ^2/NDF: 54.5/43

All: -1.591+/-3.282 χ^2/NDF: 104.2/90

- sign -4.811+/-4.563 χ^2/NDF: 48.7/46

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.653+/-0.006 χ^2/NDF: 49927.3/19

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.494+/-0.005 χ^2/NDF: 47928.2/23

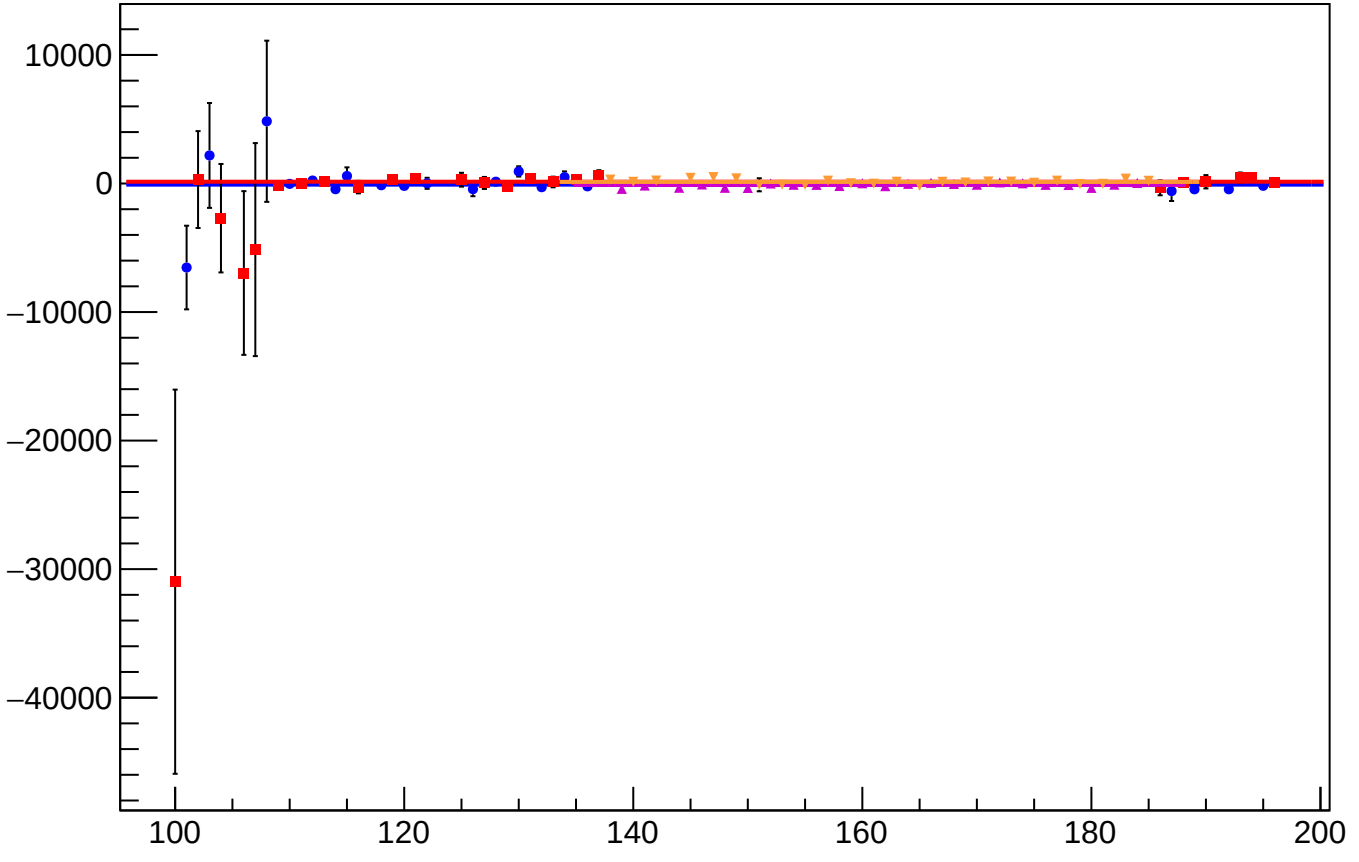
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.137+/-0.003 χ^2/NDF: 88563.2/43

All: 25.025+/-0.002 χ^2/NDF: 176213.2/90

- sign 24.921+/-0.003 χ^2/NDF: 85487.5/46

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -88.106+/-70.470 χ^2/NDF: 22.0/19

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 139.674+/-63.137 χ^2/NDF: 17.9/23

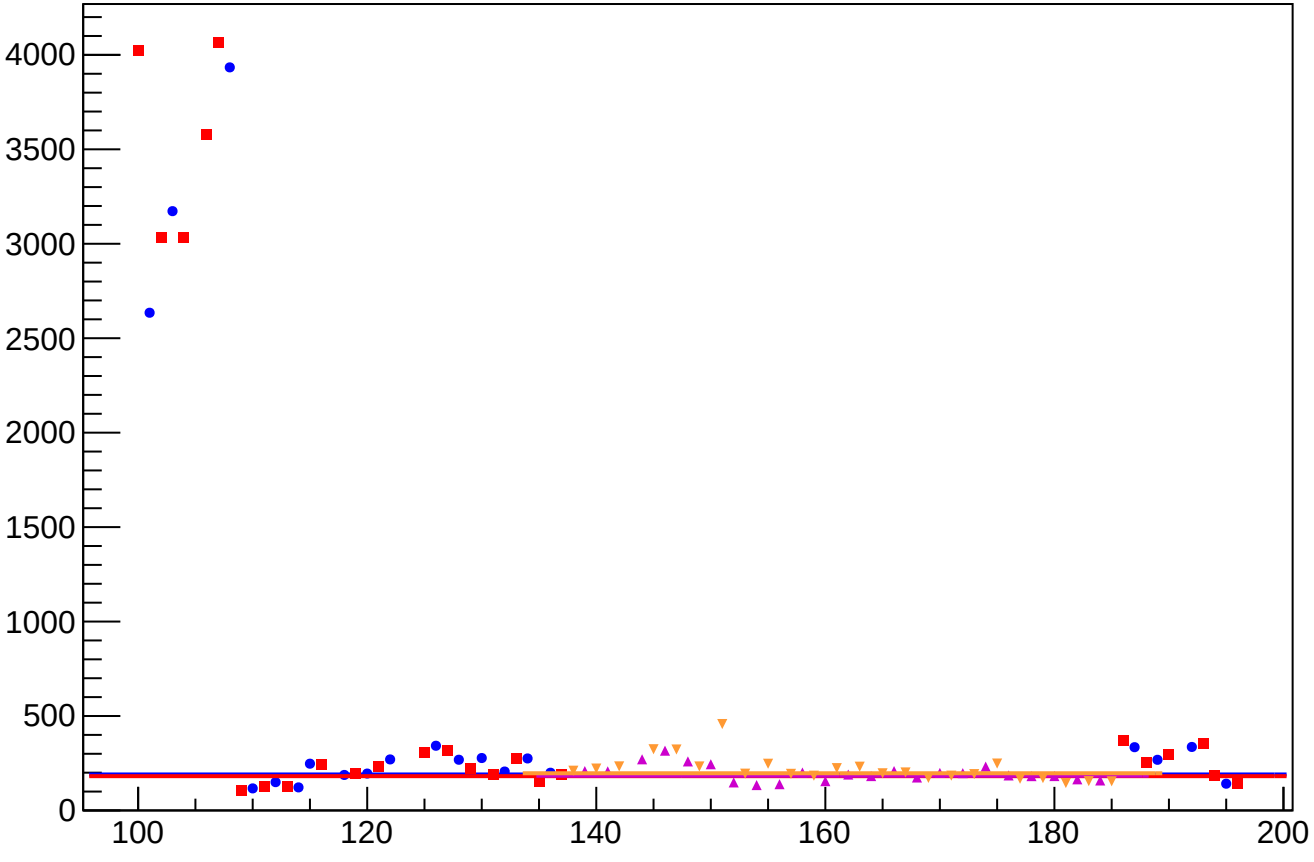
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 55.252+/-39.354 χ^2/NDF: 39.9/43

All: 9.147+/-26.773 χ^2/NDF: 79.7/90

- sign -30.576+/-36.529 χ^2/NDF: 37.3/46

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 190.524+/-0.050 χ^2/NDF: 4563676.2/19

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 181.493+/-0.045 χ^2/NDF: 5234612.4/23

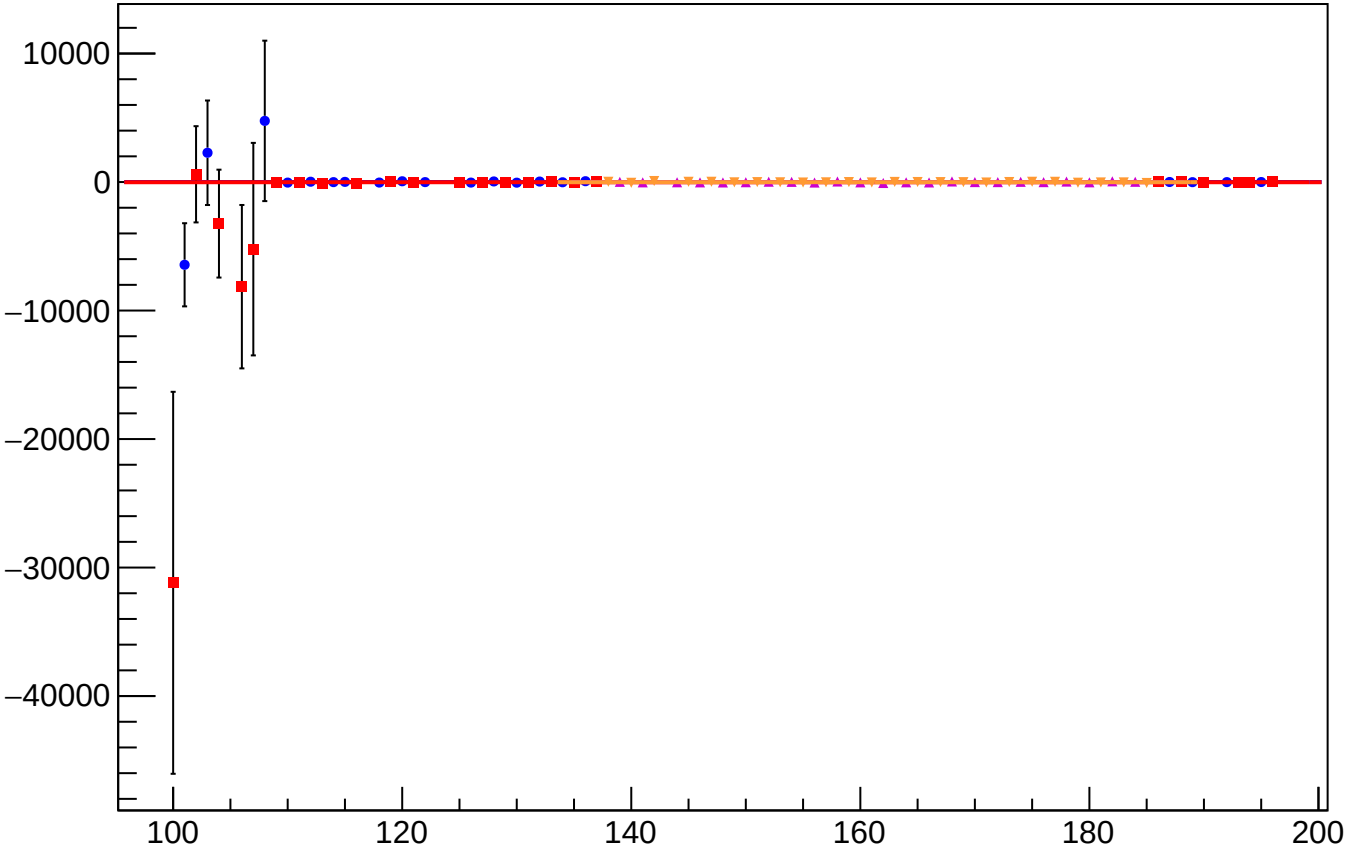
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 194.936+/-0.028 χ^2/NDF: 6384335.0/43

All: 188.629+/-0.019 χ^2/NDF: 13162182.1/90

- sign 183.195+/-0.026 χ^2/NDF: 6682221.4/46

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 3.053+/-9.652 χ^2/NDF: 18.6/19

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -13.633+/-9.018 χ^2/NDF: 27.0/23

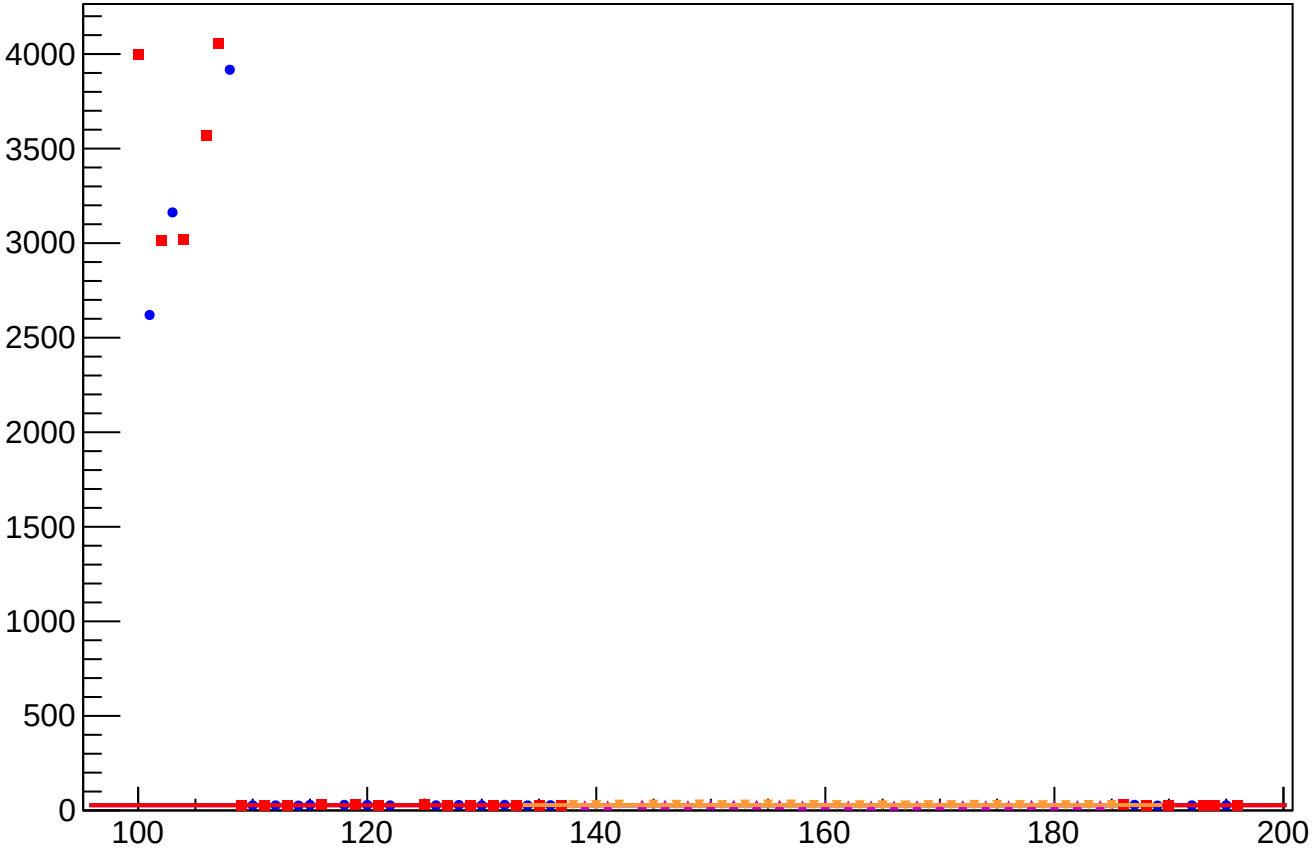
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.549+/-5.478 χ^2/NDF: 37.6/43

All: -6.541+/-3.844 χ^2/NDF: 87.7/90

- sign -6.533+/-5.395 χ^2/NDF: 50.1/46

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.556+/-0.007 χ^2/NDF: 3274766.4/19

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.732+/-0.006 χ^2/NDF: 3575982.9/23

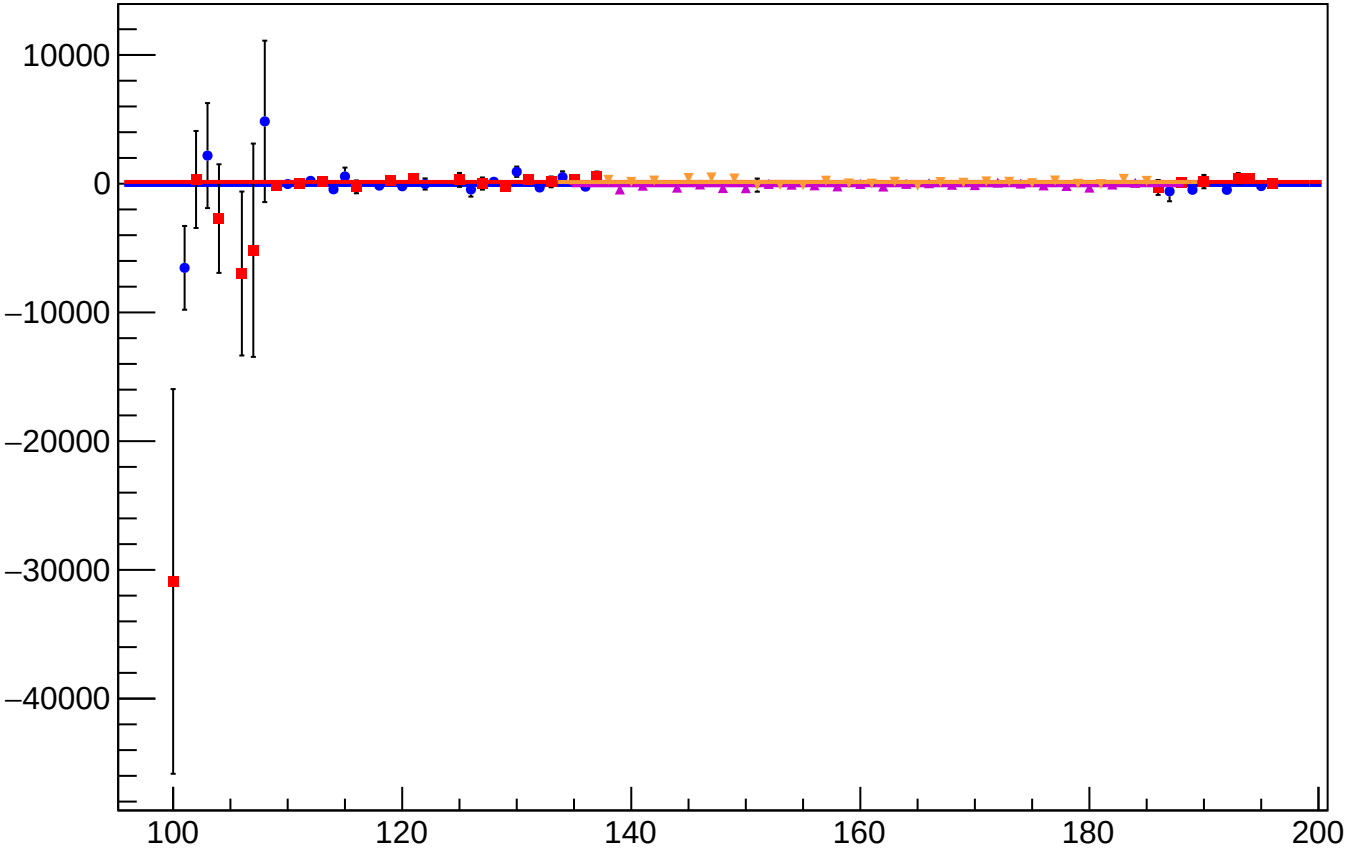
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.258+/-0.004 χ^2/NDF: 3371394.7/43

All: 28.316+/-0.003 χ^2/NDF: 7090850.8/90

\- sign 28.371+/-0.004 χ^2/NDF: 3719025.3/46

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -96.470+/-70.854 χ^2/NDF: 22.0/19

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 138.177+/-63.504 χ^2/NDF: 16.6/23

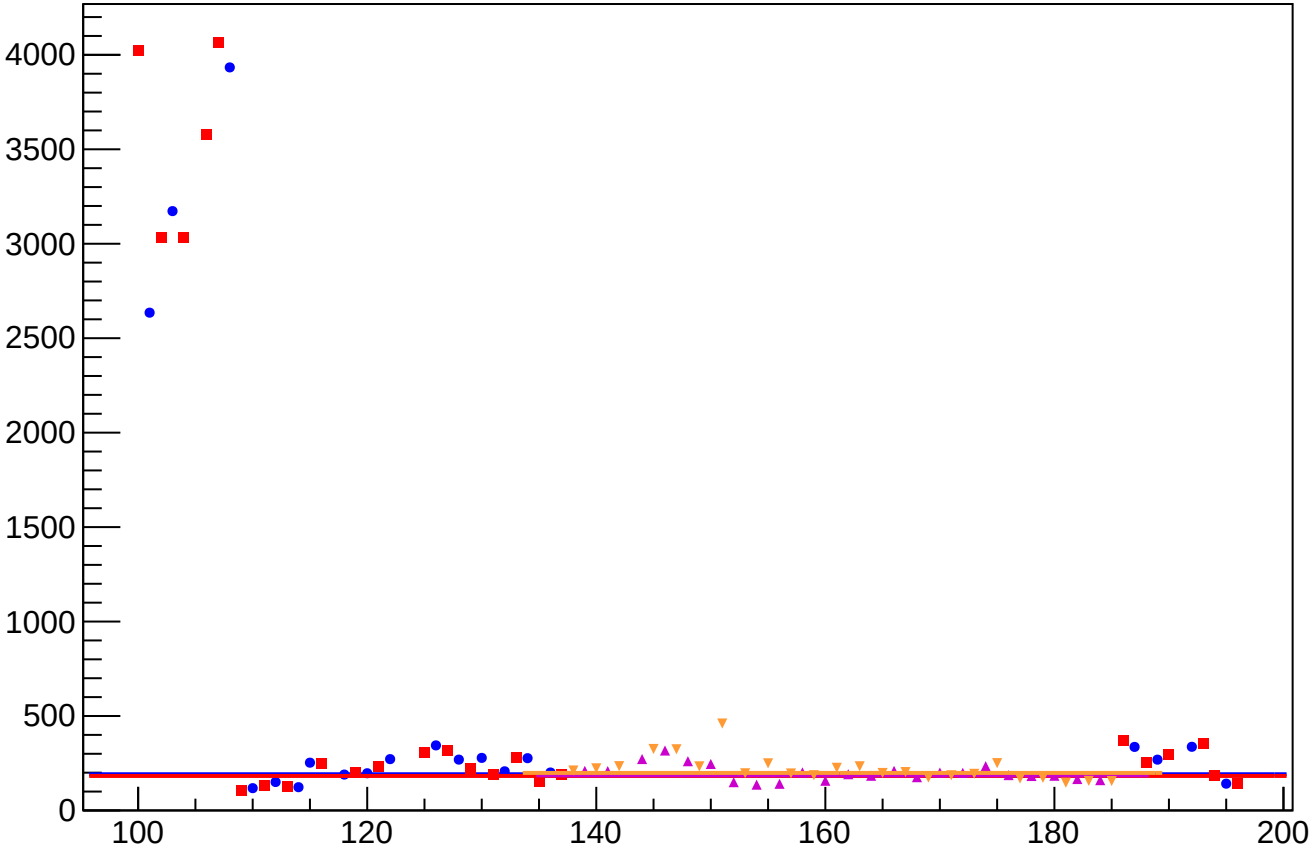
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 56.569+/-39.656 χ^2/NDF: 40.4/43

All: 7.369+/-26.984 χ^2/NDF: 79.0/90

- sign -35.054+/-36.824 χ^2/NDF: 35.8/46

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 191.618+/-0.050 χ^2/NDF: 4555989.6/19

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

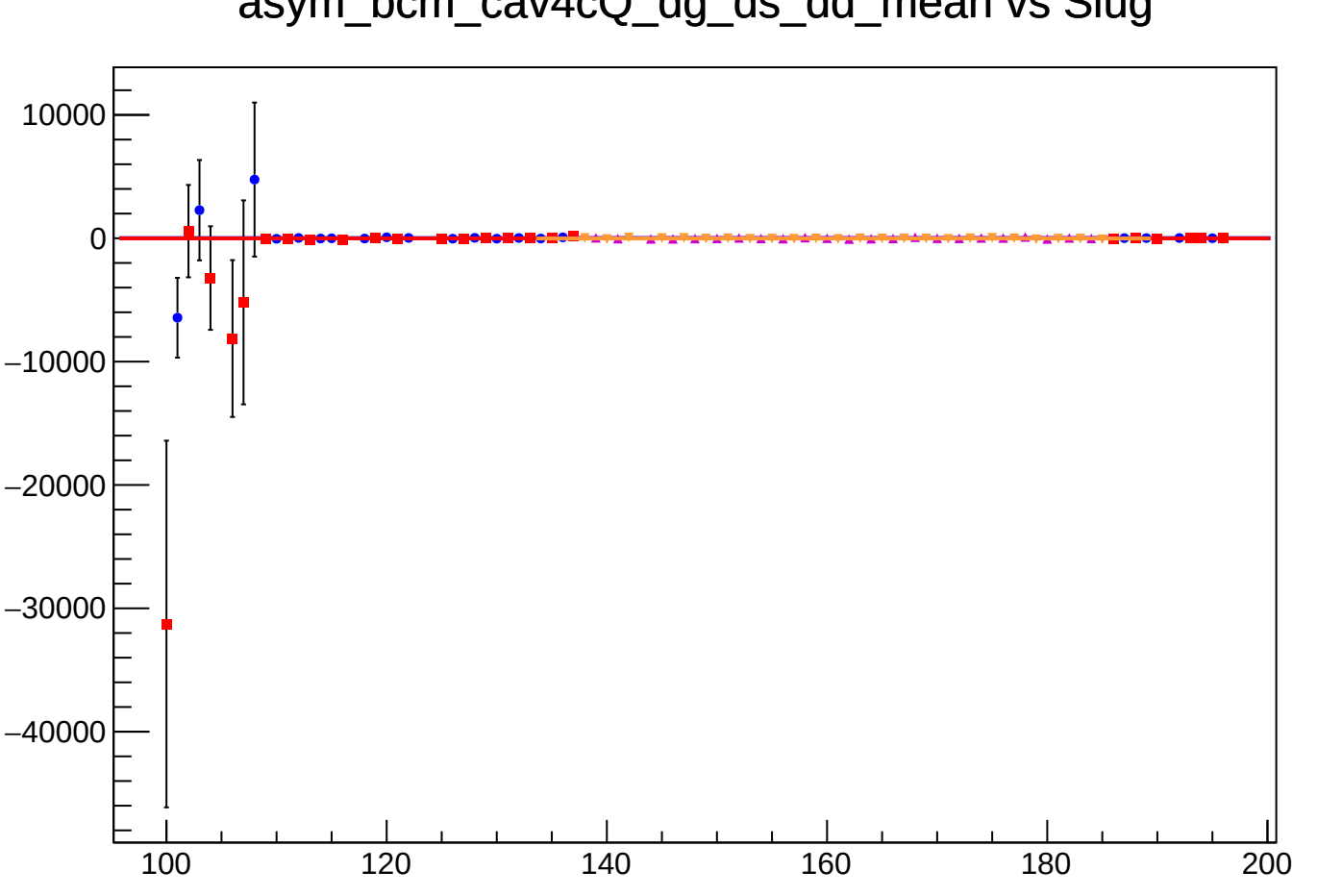
Right Out: 182.670+/-0.045 χ^2/NDF: 5215939.9/23

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 196.507+/-0.028 χ^2/NDF: 6356256.9/43

All: 190.218+/-0.019 χ^2/NDF: 13074769.7/90

- sign 184.795+/-0.026 χ^2/NDF: 6624839.7/46



Right In: 13.738+/-10.688 χ^2/NDF: 15.6/19

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -6.867+/-9.960 χ^2/NDF: 33.8/23

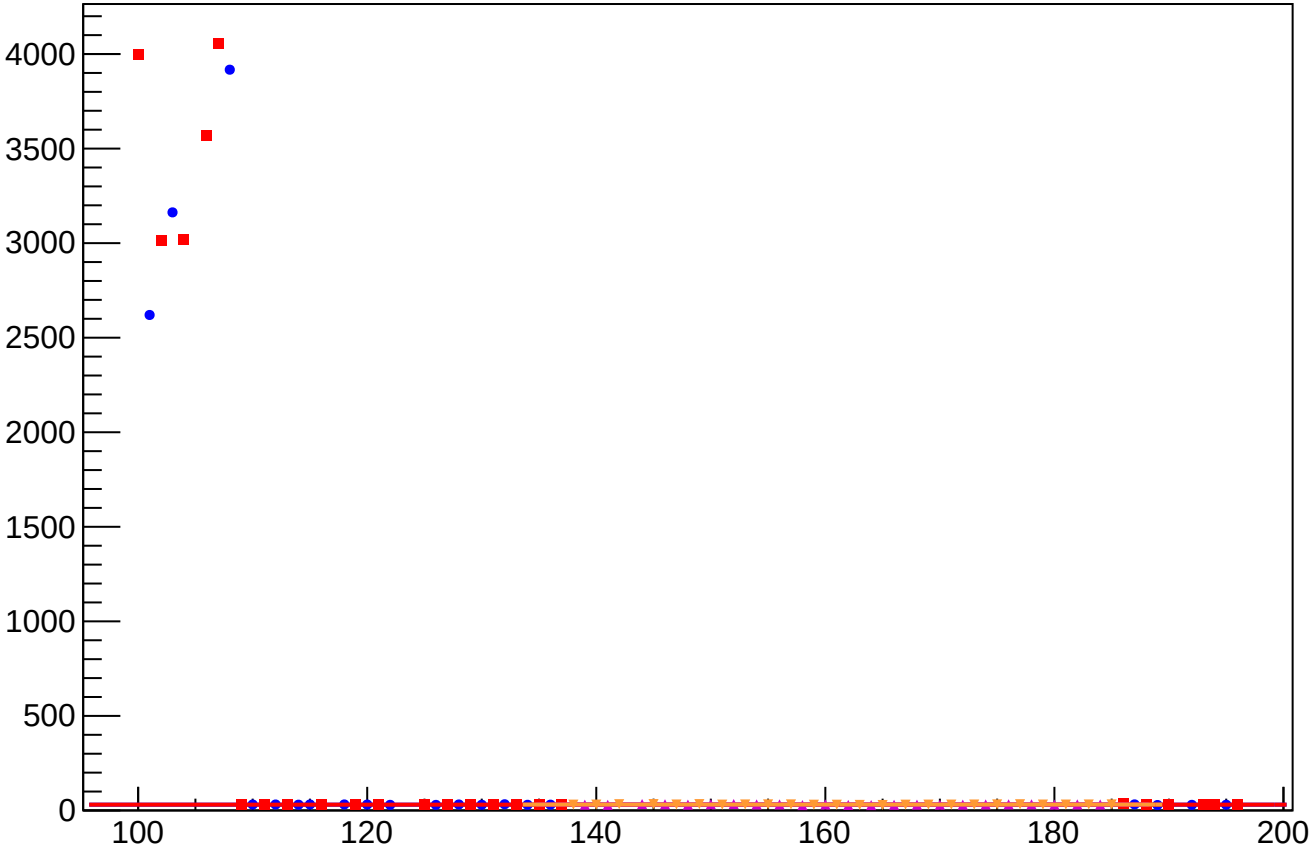
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.108+/-6.005 χ^2/NDF: 42.0/43

All: -4.329+/-4.213 χ^2/NDF: 112.8/90

- sign -0.666+/-5.913 χ^2/NDF: 69.9/46

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.536+/-0.008 χ^2/NDF: 3261832.2/19

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.657+/-0.007 χ^2/NDF: 3552276.7/23

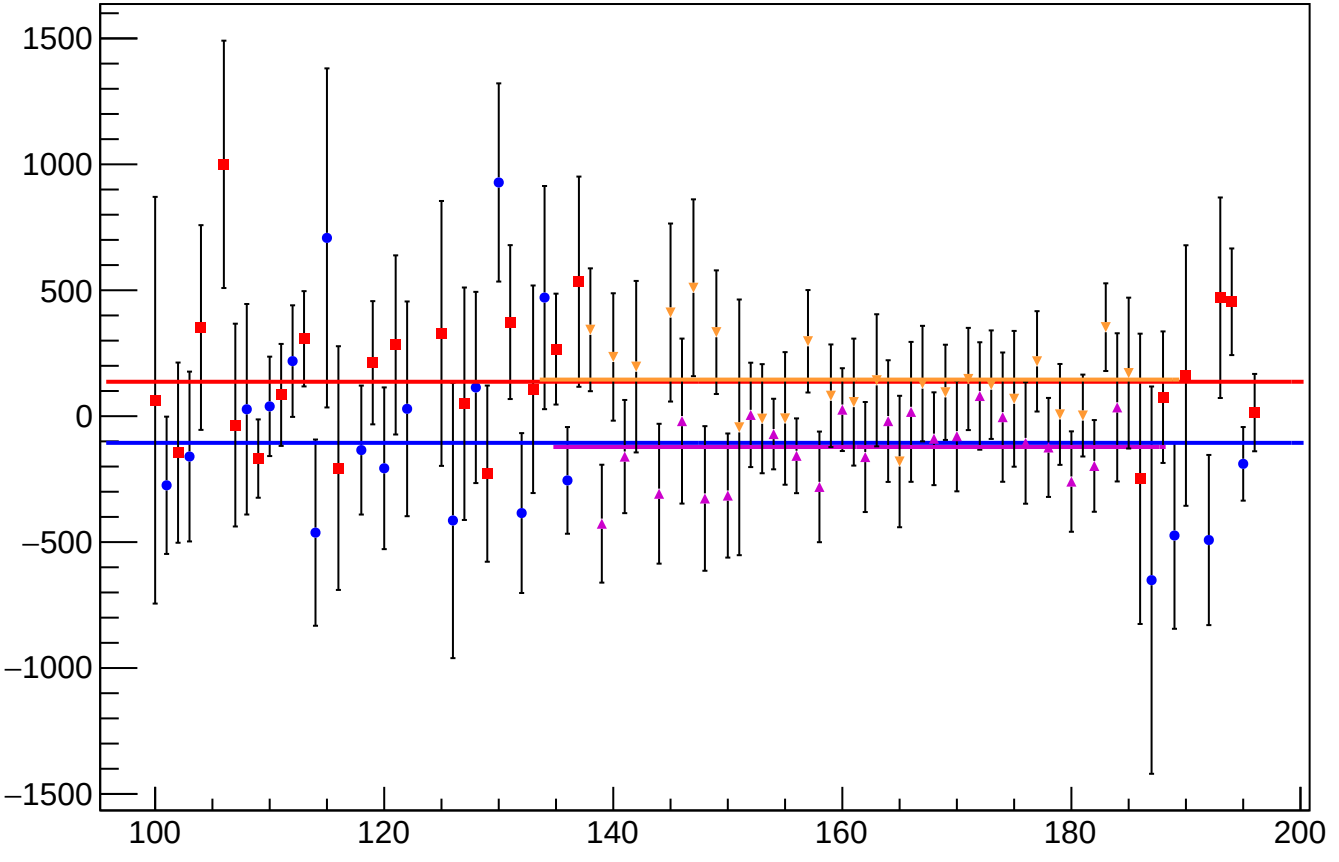
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.005+/-0.004 χ^2/NDF: 3314878.9/43

All: 31.066+/-0.003 χ^2/NDF: 6959599.2/90

\- sign 31.125+/-0.004 χ^2/NDF: 3644316.8/46

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -105.890+/-65.568 χ^2/NDF: 19.4/19

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 136.683+/-57.718 χ^2/NDF: 16.9/23

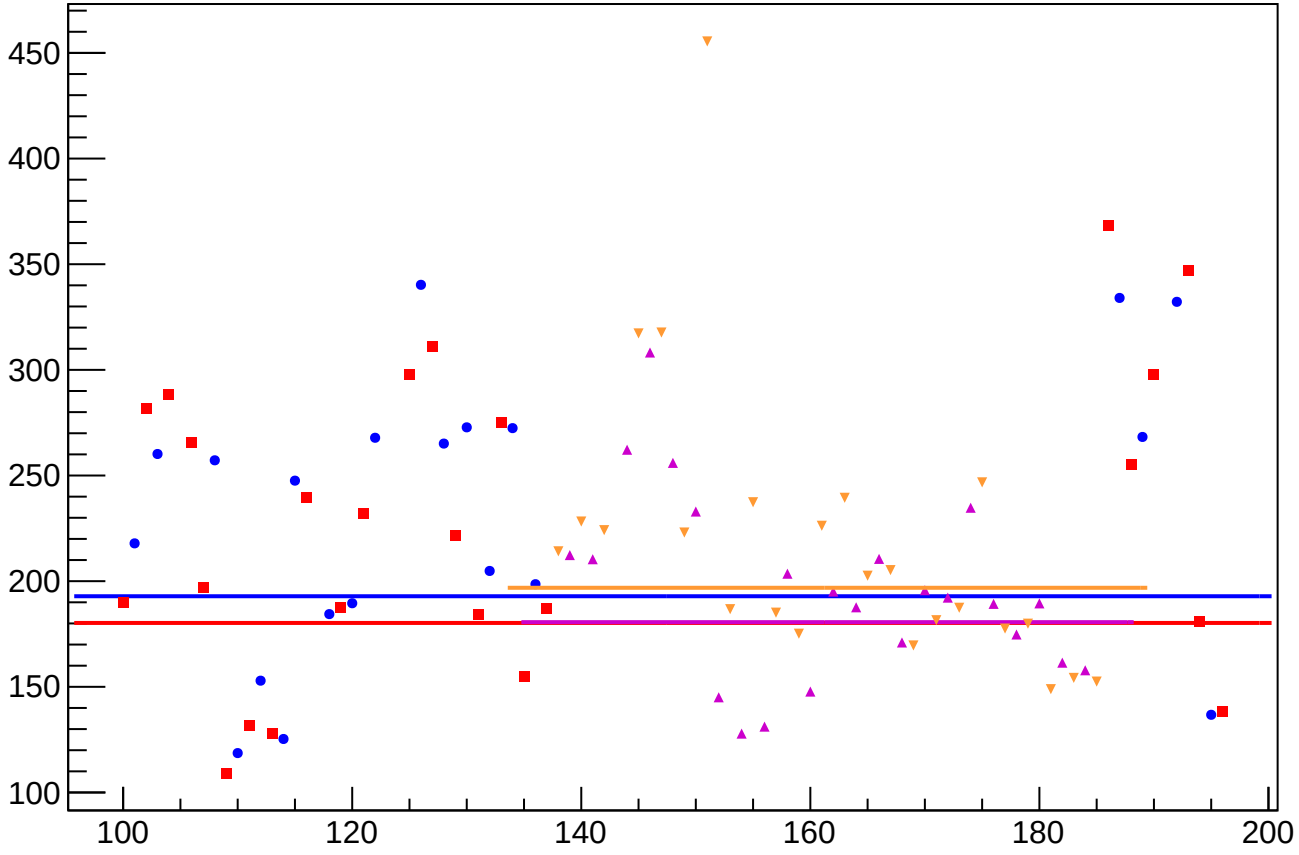
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 59.115+/-38.408 χ^2/NDF: 38.4/43

All: 12.141+/-25.883 χ^2/NDF: 78.7/90

- sign -26.938+/-35.033 χ^2/NDF: 37.5/46

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 192.869+/-0.046 χ^2/NDF: 1790461.5/19

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 180.231+/-0.041 χ^2/NDF: 2533177.4/23

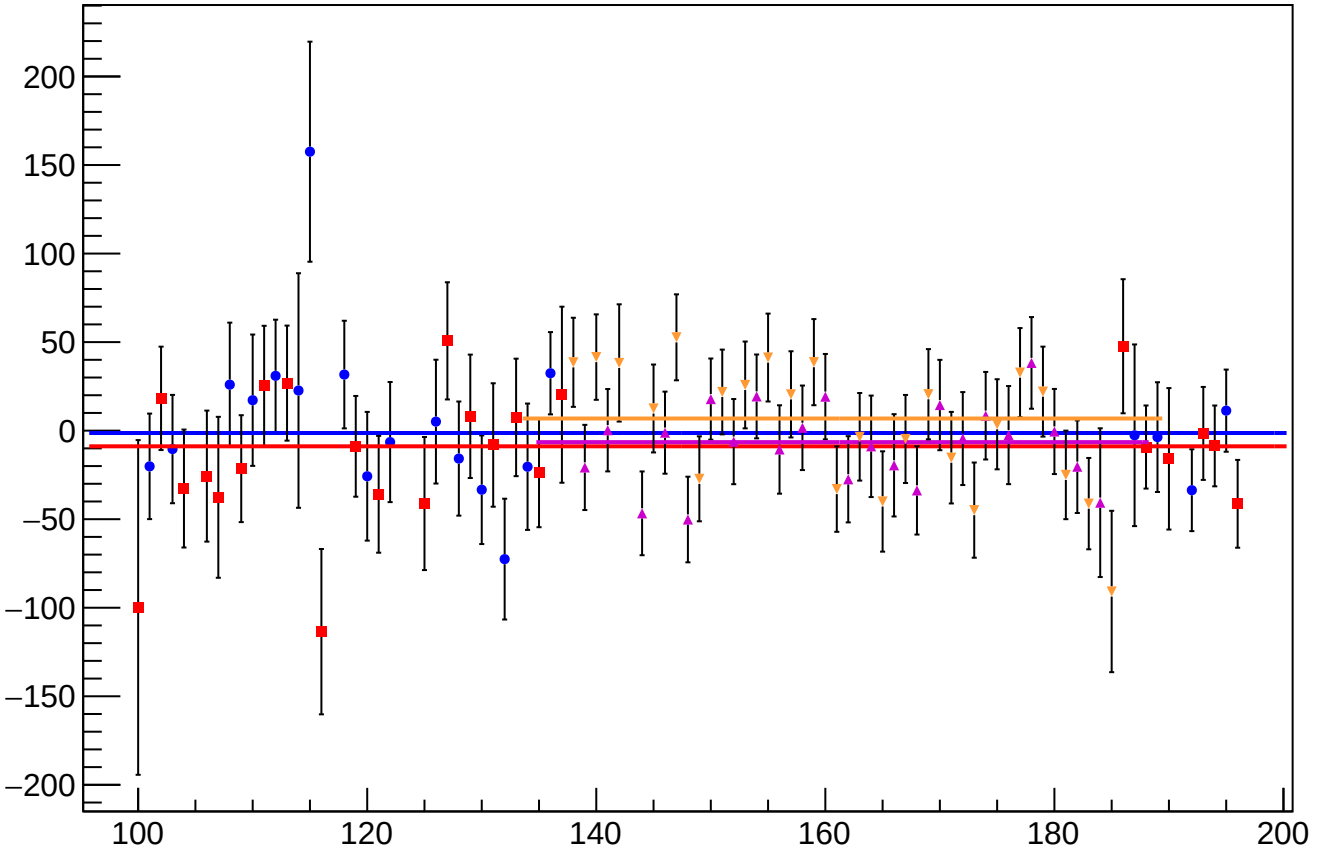
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 195.499+/-0.027 χ^2/NDF: 3520468.3/43

All: 187.292+/-0.018 χ^2/NDF: 7849038.6/90

\- sign 180.465+/-0.025 χ^2/NDF: 4161301.7/46

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -1.324+/-7.175 χ^2/NDF: 21.0/19

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -8.846+/-6.636 χ^2/NDF: 20.1/23

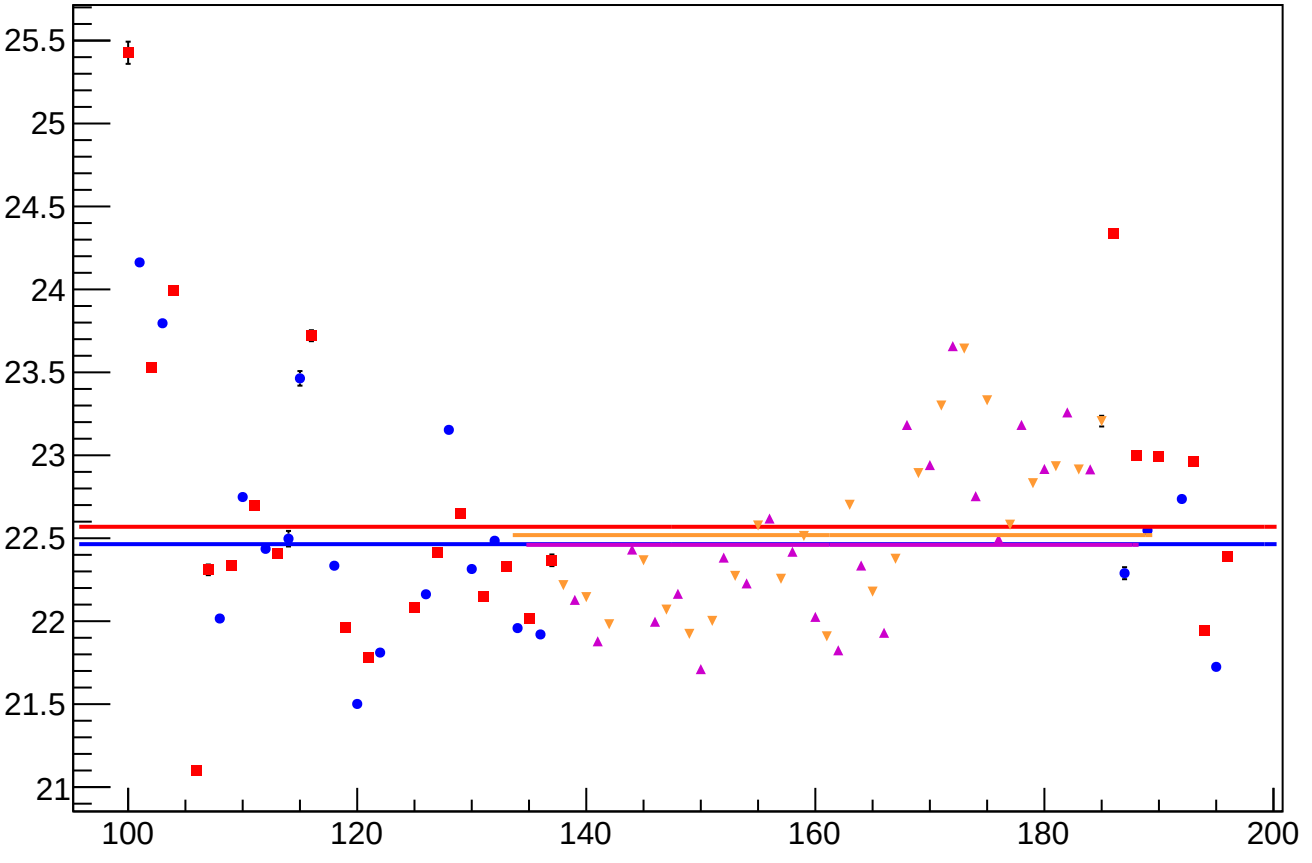
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 4.020+/-4.226 χ^2/NDF: 58.7/43

All: -1.836+/-2.948 χ^2/NDF: 100.1/90

- sign -7.391+/-4.116 χ^2/NDF: 37.6/46

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.464+/-0.005 χ^2/NDF: 18396.0/19

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.569+/-0.005 χ^2/NDF: 23111.1/23

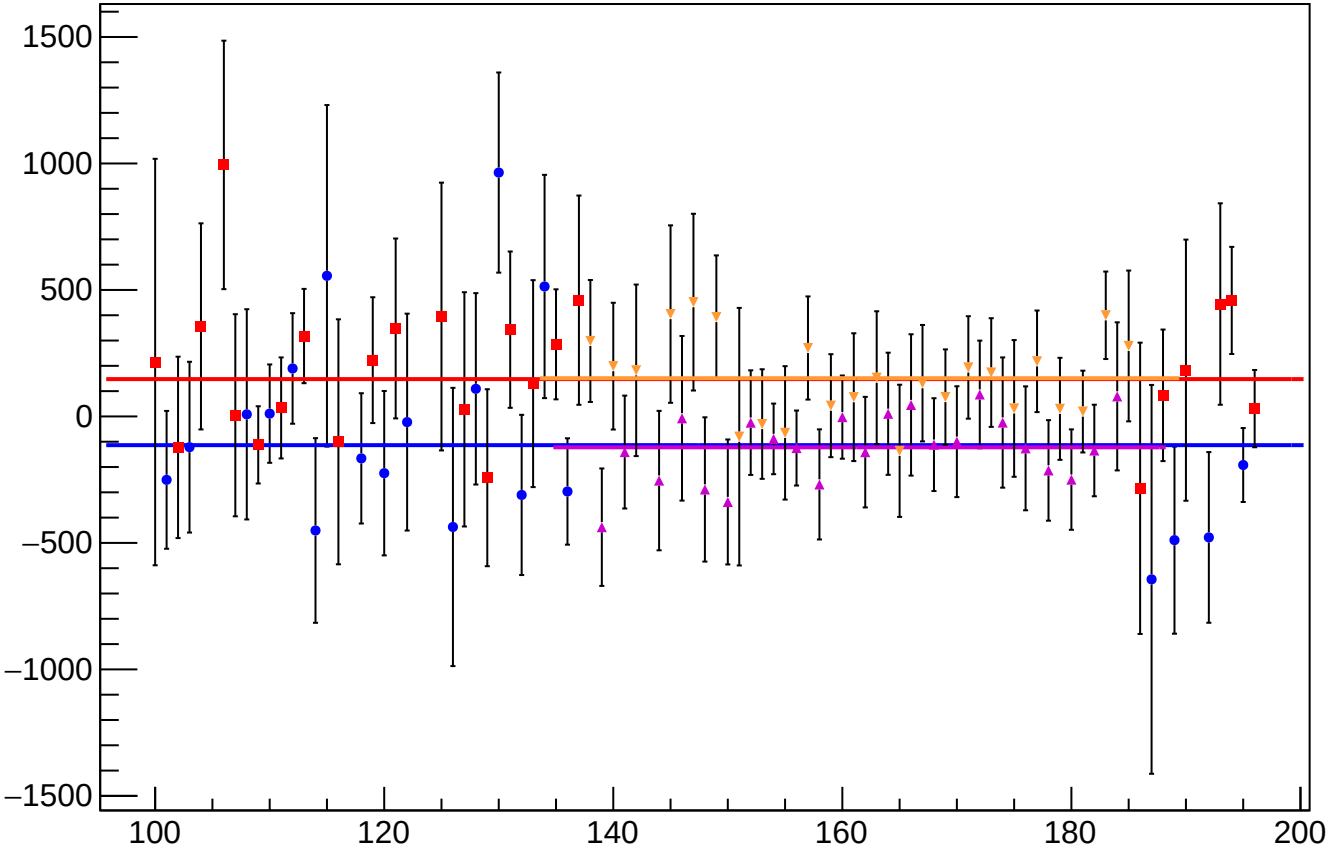
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.500+/-0.003 χ^2/NDF: 34469.8/43

All: 22.501+/-0.002 χ^2/NDF: 77029.6/90

\- sign 22.502+/-0.003 χ^2/NDF: 42559.5/46

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -113.537+/-65.353 χ^2/NDF: 19.0/19

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 147.579+/-57.378 χ^2/NDF: 15.5/23

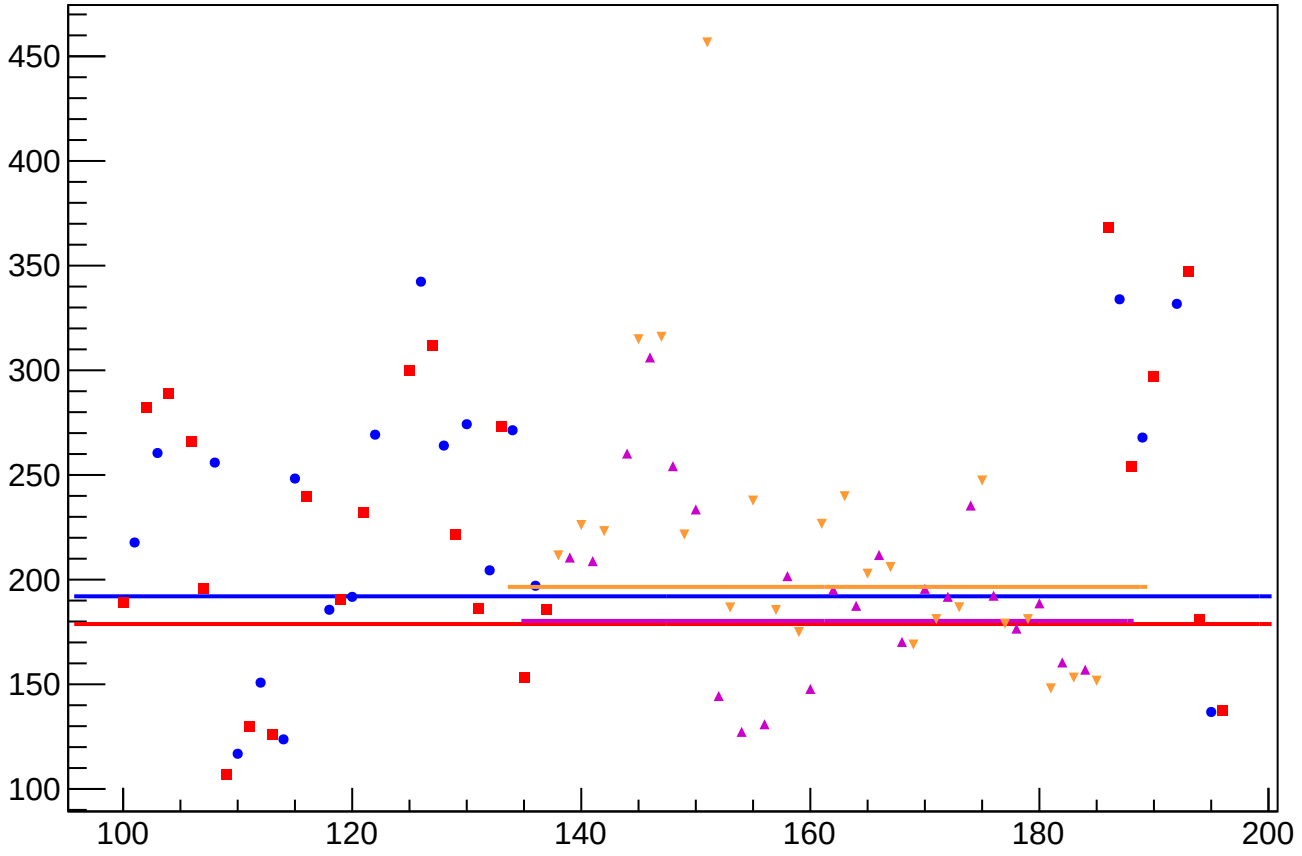
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 60.094+/-38.326 χ^2/NDF: 39.7/43

All: 15.093+/-25.812 χ^2/NDF: 79.1/90

- sign -22.262+/-34.919 χ^2/NDF: 36.9/46

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 192.033+/-0.046 χ^2/NDF: 1826174.1/19

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 178.796+/-0.041 χ^2/NDF: 2613416.2/23

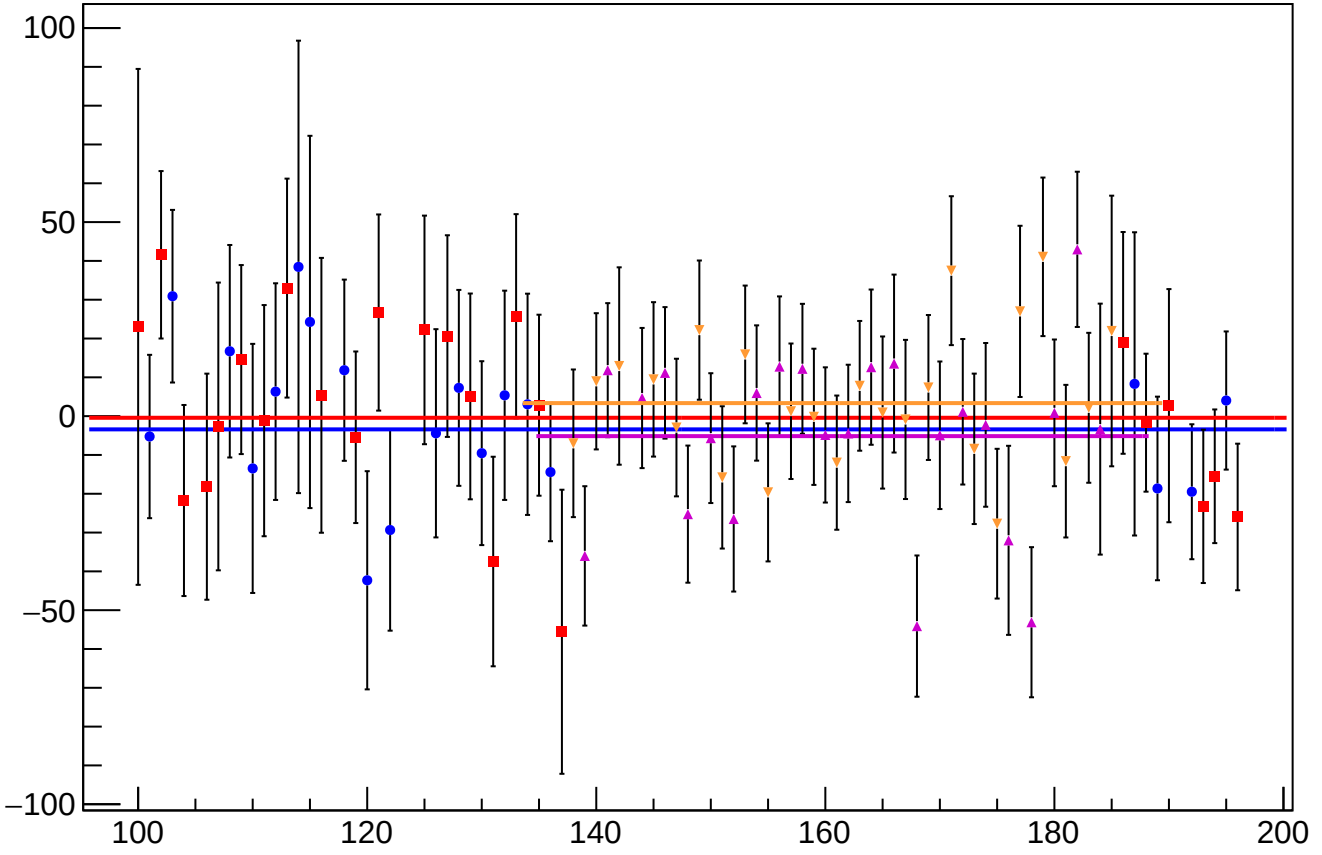
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 194.986+/-0.027 χ^2/NDF: 3560284.5/43

All: 186.648+/-0.018 χ^2/NDF: 7972448.3/90

- sign 179.727+/-0.025 χ^2/NDF: 4238934.9/46

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.410+/-5.540 χ^2/NDF: 9.7/19

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -0.420+/-5.123 χ^2/NDF: 18.9/23

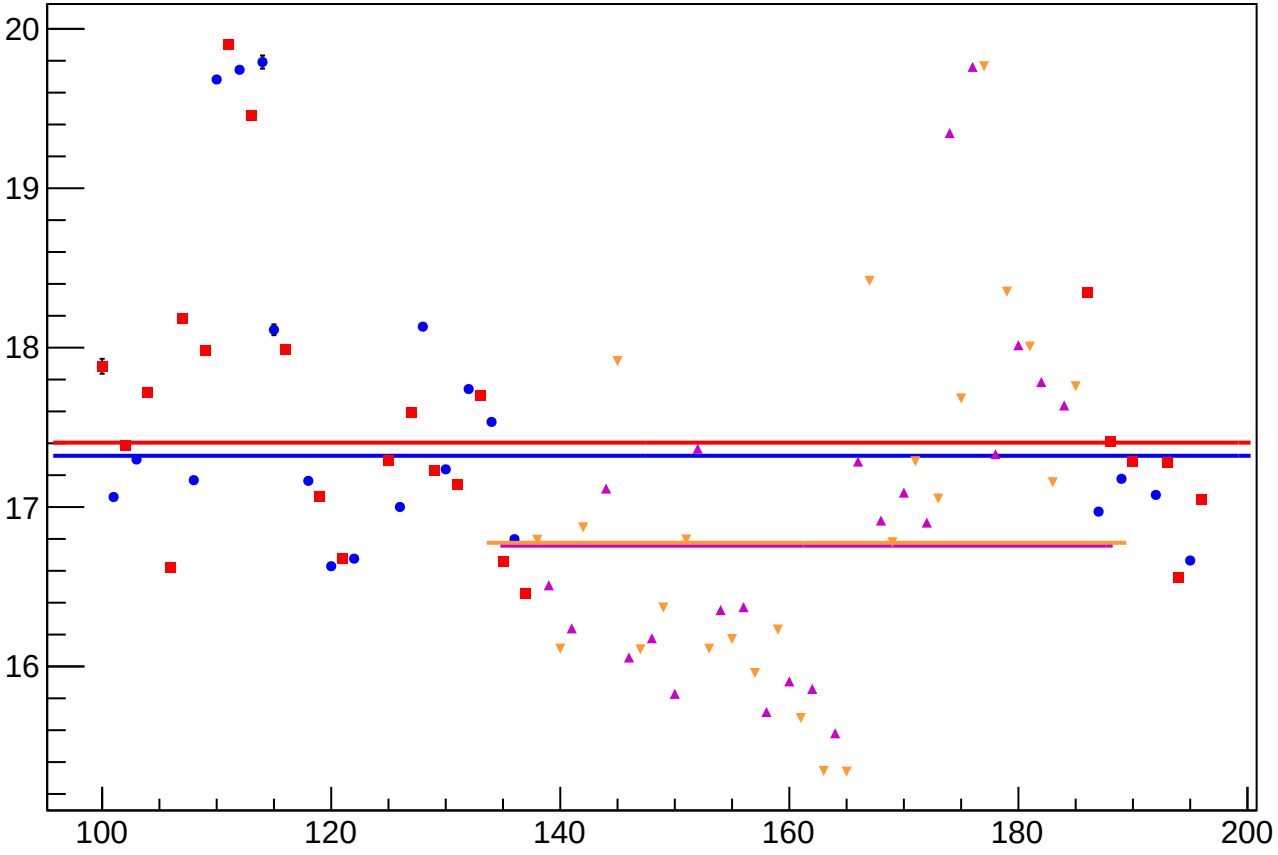
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.113+/-3.192 χ^2/NDF: 28.3/43

All: -1.199+/-2.229 χ^2/NDF: 81.1/90

- sign -3.401+/-3.115 χ^2/NDF: 51.7/46

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.322+/-0.004 χ^2/NDF: 40971.3/19

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.404+/-0.004 χ^2/NDF: 43117.5/23

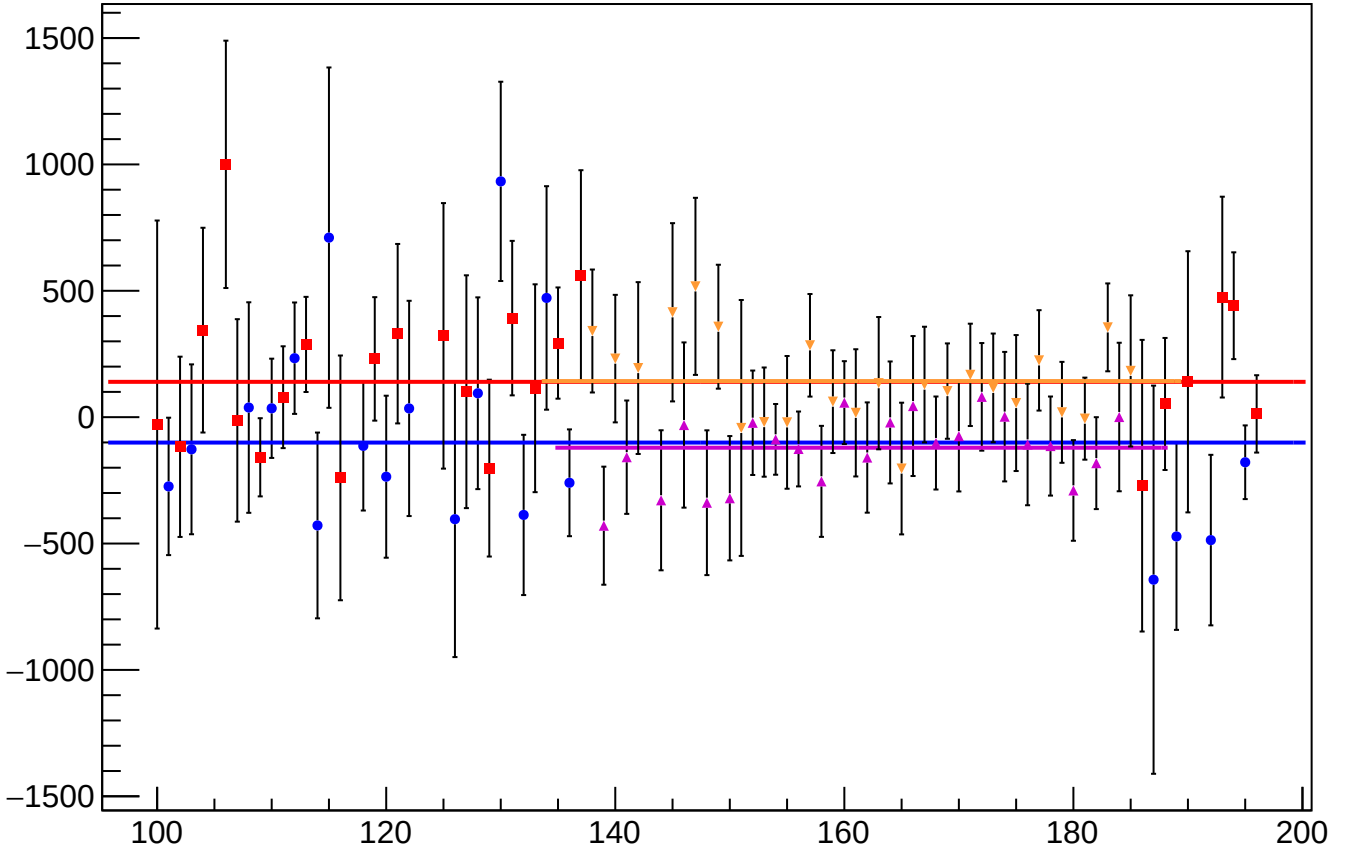
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.957+/-0.002 χ^2/NDF: 190092.1/43

All: 16.977+/-0.002 χ^2/NDF: 376740.0/90

- sign 16.997+/-0.002 χ^2/NDF: 186488.2/46

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -100.504+/-65.388 χ^2/NDF: 19.4/19

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 139.777+/-57.550 χ^2/NDF: 16.9/23

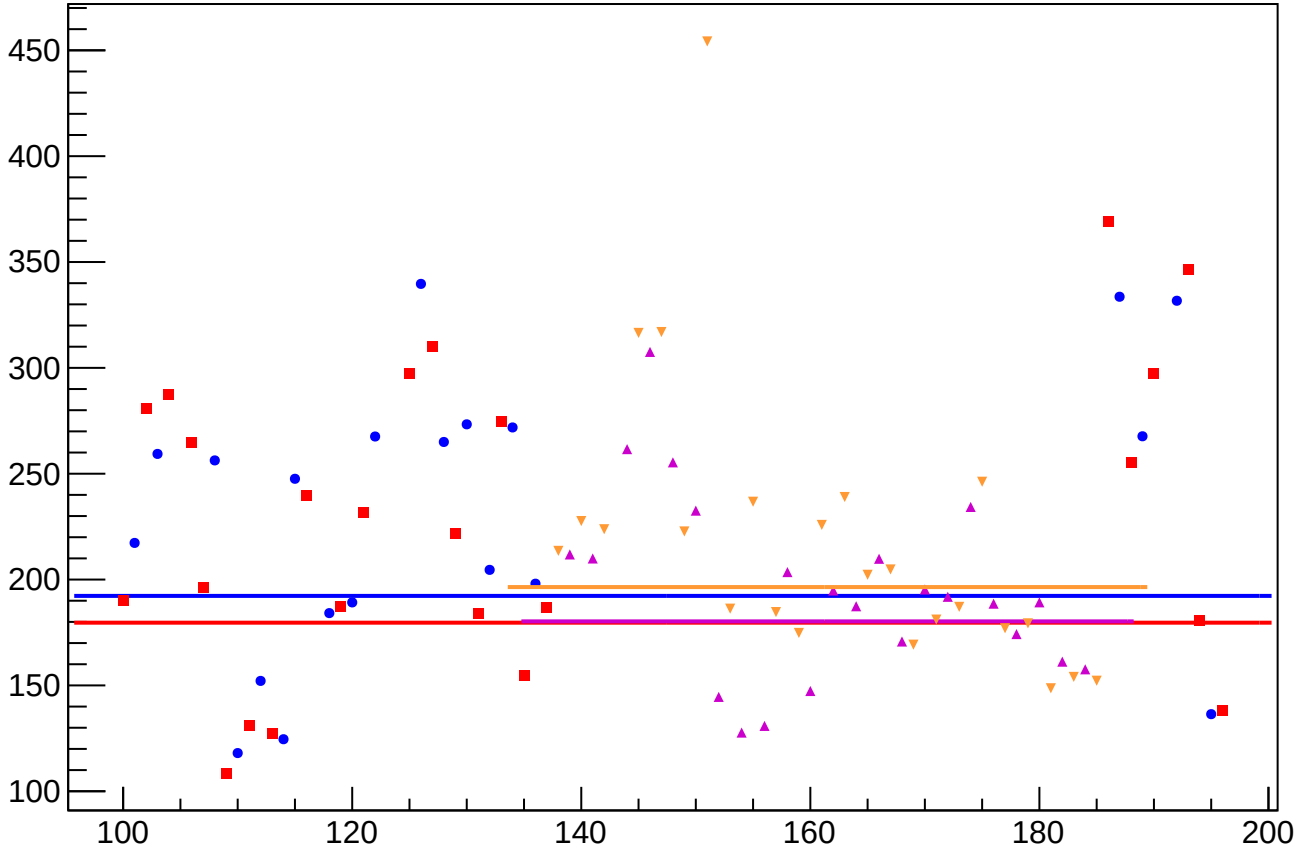
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 59.182+/-38.318 χ^2/NDF: 38.7/43

All: 13.371+/-25.823 χ^2/NDF: 79.3/90

- sign -24.744+/-34.951 χ^2/NDF: 38.0/46

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 192.283+/-0.046 χ^2/NDF: 1801655.5/19

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 179.632+/-0.041 χ^2/NDF: 2550488.8/23

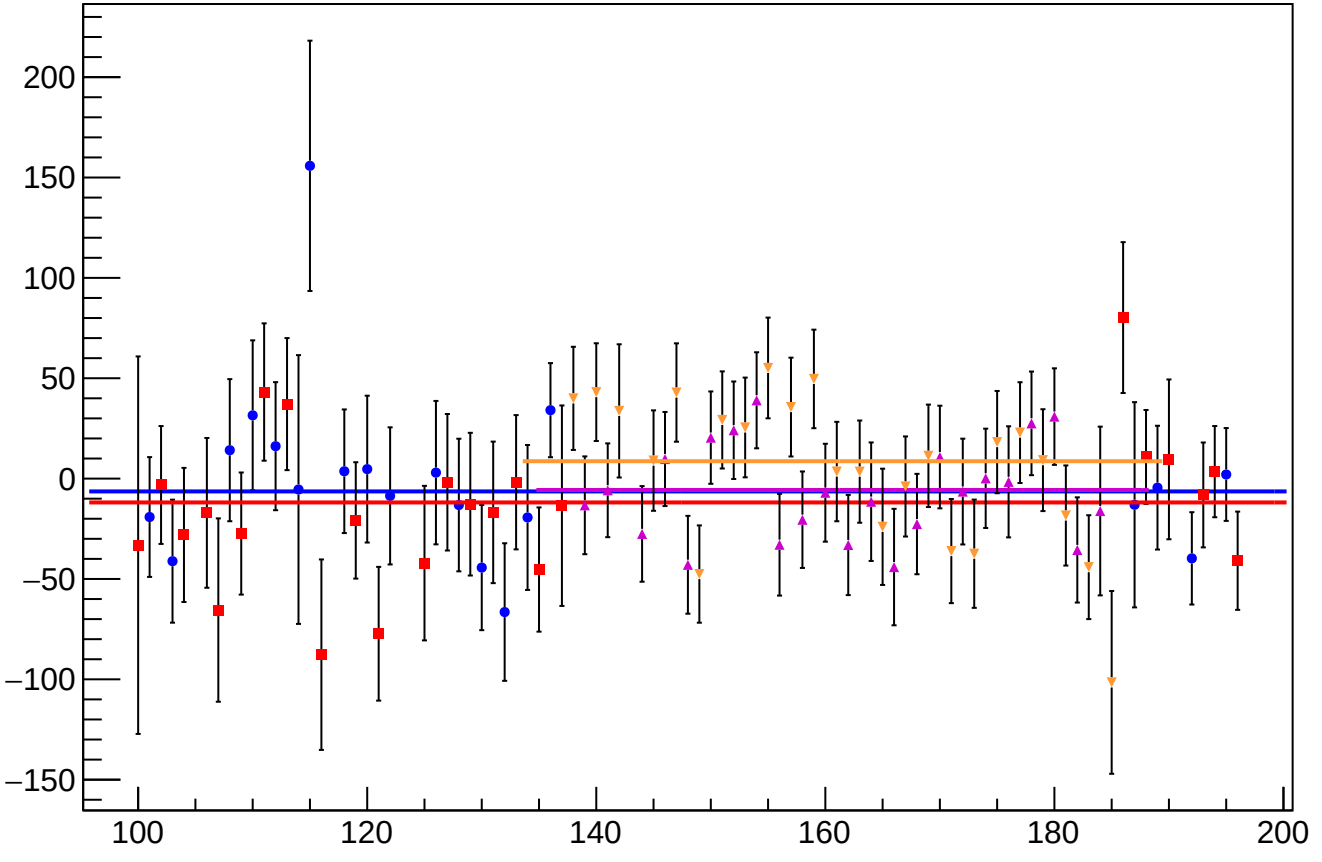
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 195.020+/-0.027 χ^2/NDF: 3530521.9/43

All: 186.833+/-0.018 χ^2/NDF: 7876217.7/90

- sign 180.021+/-0.025 χ^2/NDF: 4178410.1/46

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.386+/-7.219 χ^2/NDF: 20.3/19

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.879+/-6.671 χ^2/NDF: 24.4/23

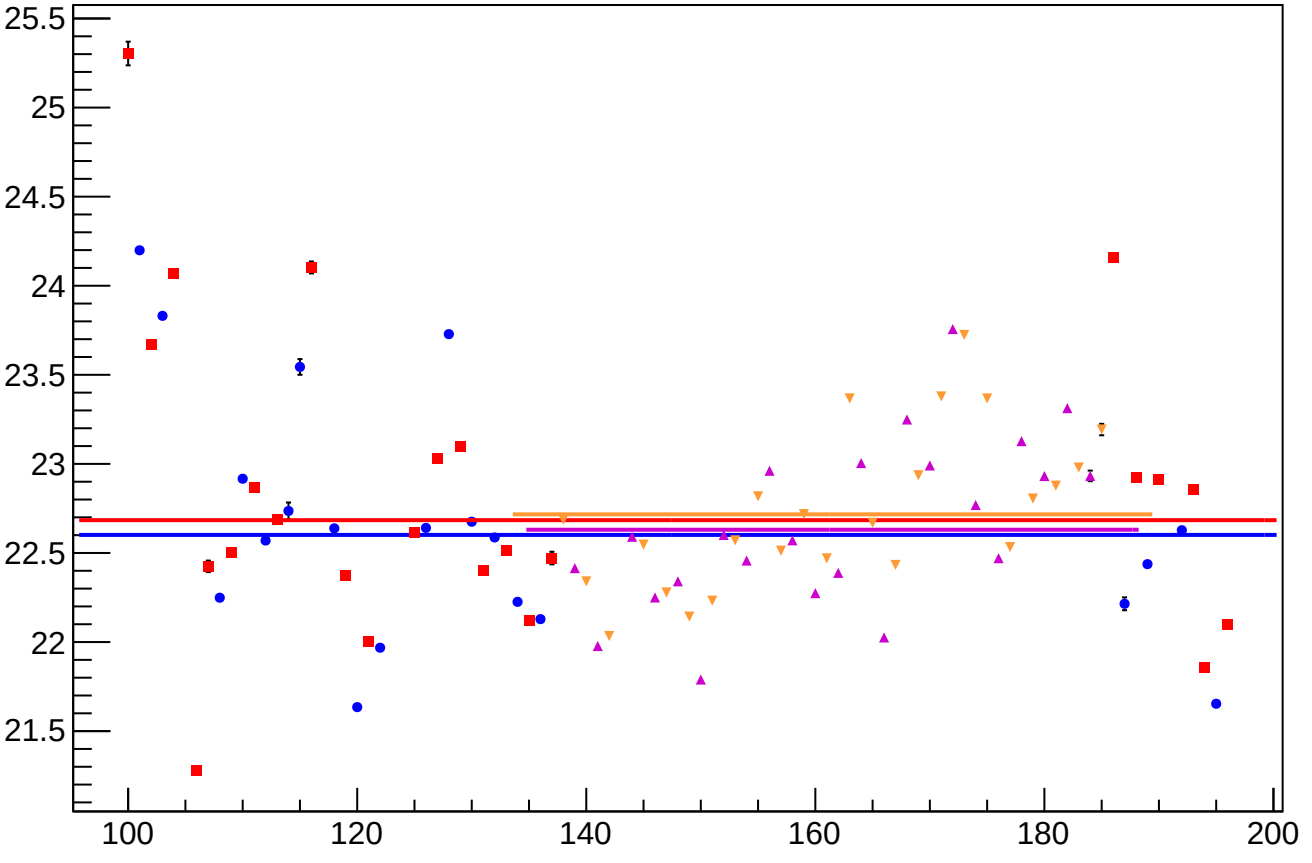
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.426+/-4.259 χ^2/NDF: 62.3/43

All: -2.477+/-2.970 χ^2/NDF: 111.9/90

- sign -8.064+/-4.143 χ^2/NDF: 45.8/46

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.601+/-0.005 χ^2/NDF: 18753.0/19

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.684+/-0.005 χ^2/NDF: 21692.5/23

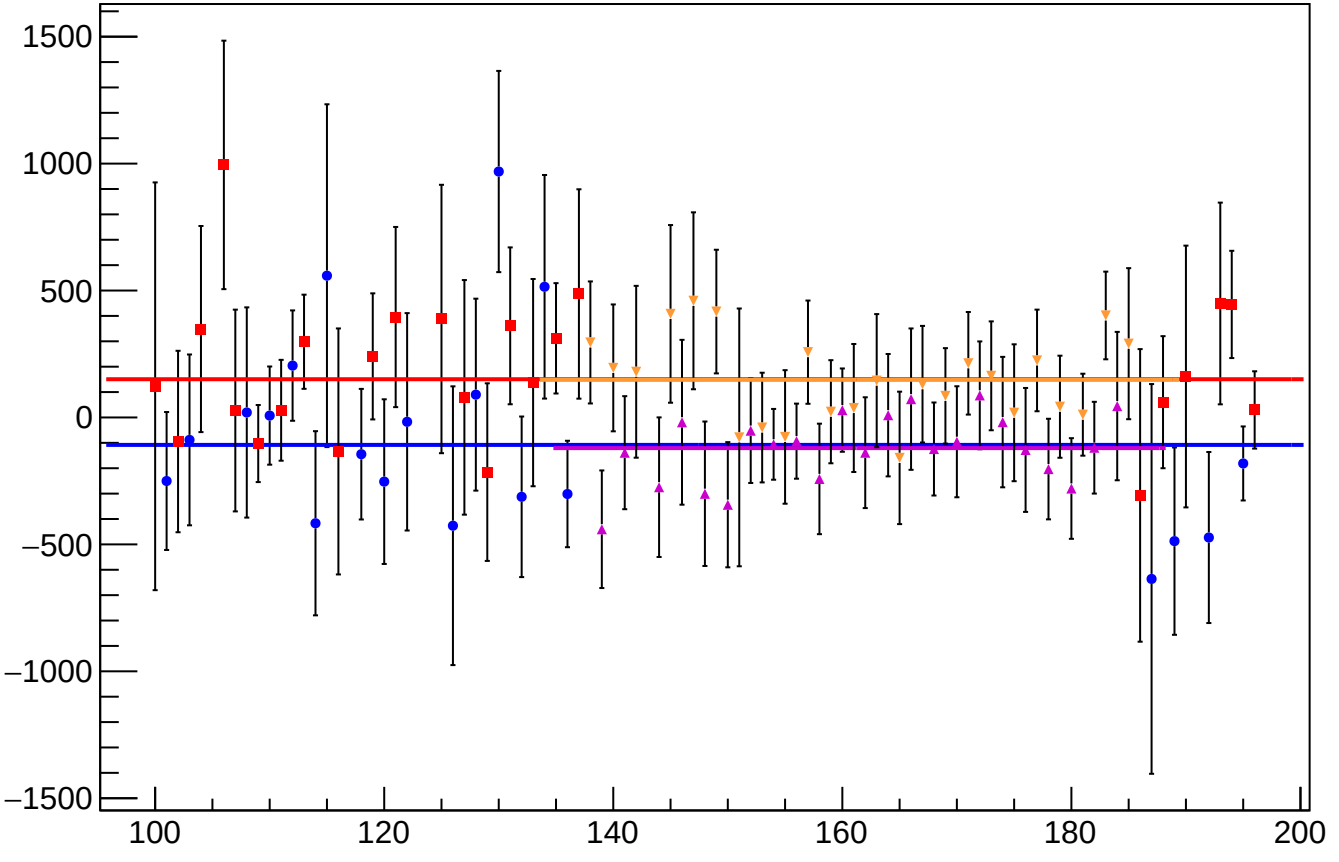
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.677+/-0.003 χ^2/NDF: 31264.3/43

All: 22.664+/-0.002 χ^2/NDF: 68464.4/90

- sign 22.651+/-0.003 χ^2/NDF: 37163.0/46

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -108.098+/-65.172 χ^2/NDF: 19.0/19

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 150.631+/-57.208 χ^2/NDF: 15.4/23

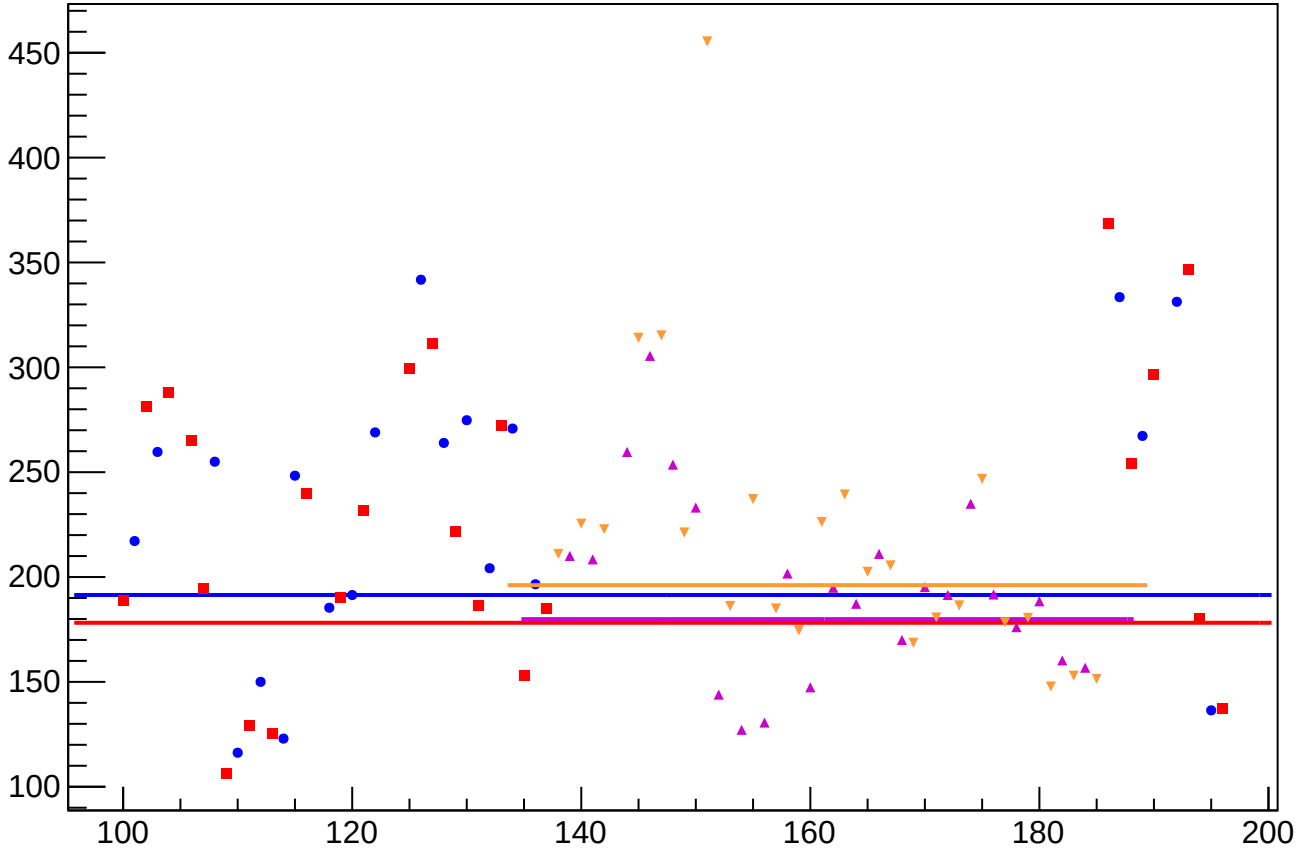
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 60.133+/-38.234 χ^2/NDF: 40.1/43

All: 16.284+/-25.751 χ^2/NDF: 79.9/90

- sign -20.119+/-34.837 χ^2/NDF: 37.5/46

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 191.439+/-0.046 χ^2/NDF: 1837995.5/19

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 178.186+/-0.040 χ^2/NDF: 2631678.4/23

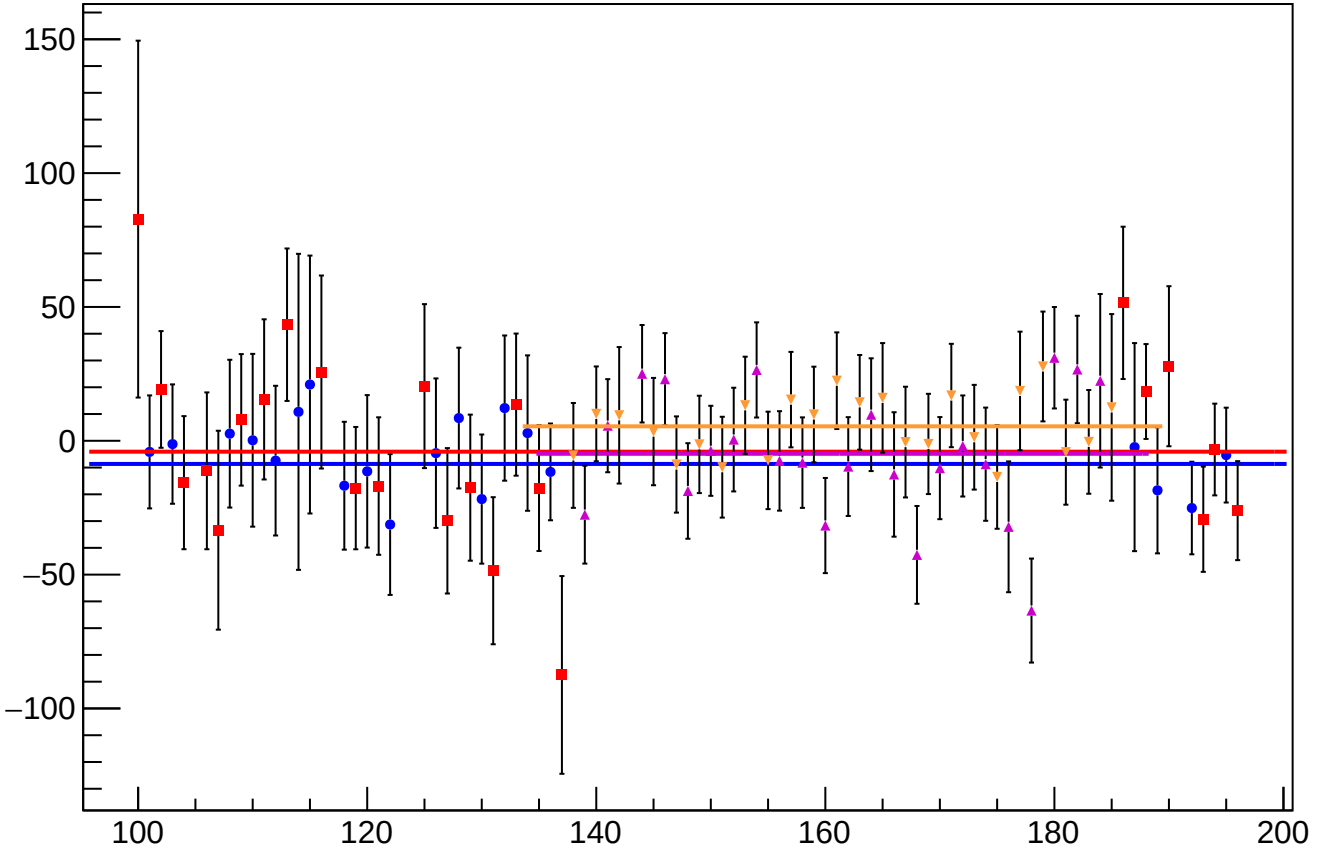
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 194.504+/-0.027 χ^2/NDF: 3571024.5/43

All: 186.185+/-0.018 χ^2/NDF: 8001275.3/90

- sign 179.279+/-0.025 χ^2/NDF: 4256983.0/46

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -8.648+/-5.590 χ^2/NDF: 4.4/19

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.069+/-5.161 χ^2/NDF: 28.4/23

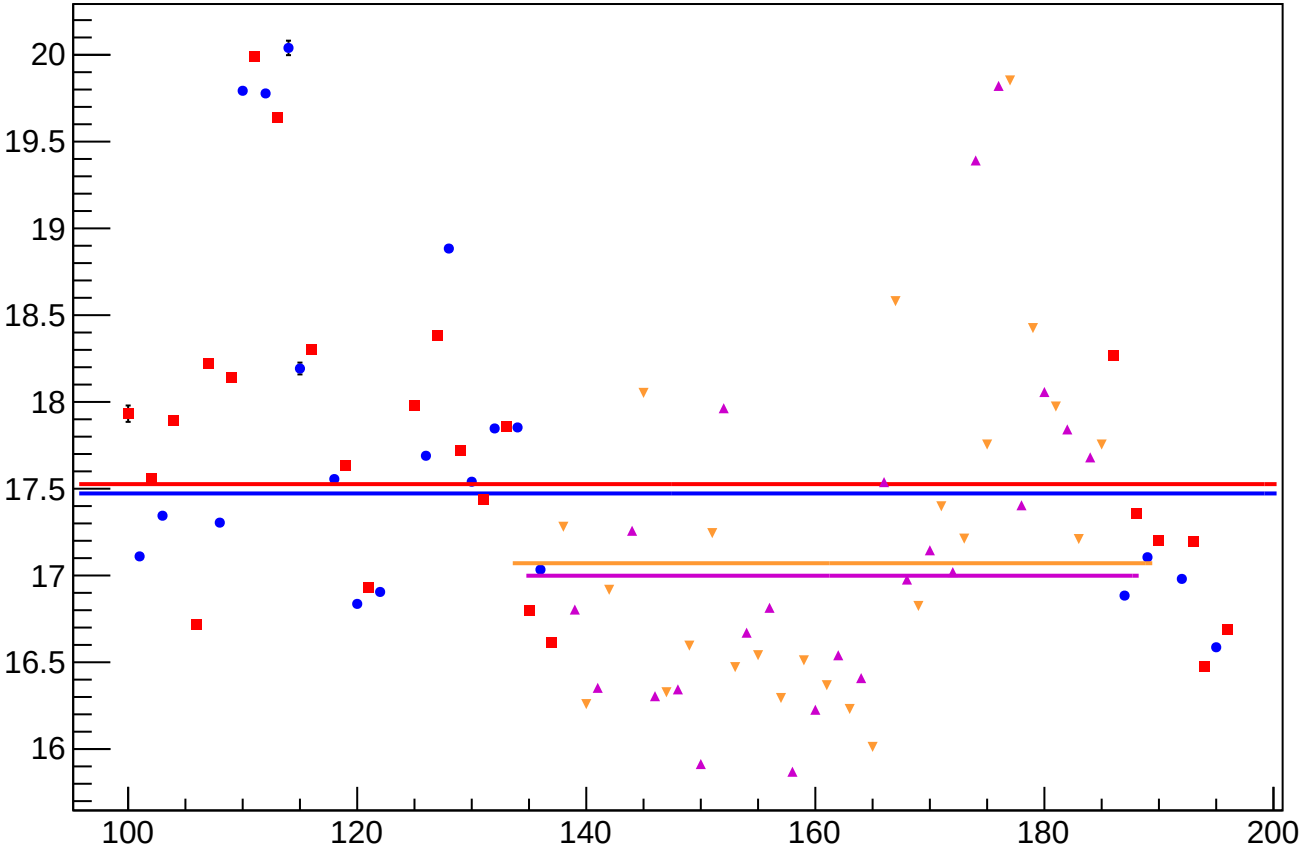
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.691+/-3.238 χ^2/NDF: 16.4/43

All: -2.007+/-2.258 χ^2/NDF: 81.7/90

- sign -4.564+/-3.152 χ^2/NDF: 63.9/46

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.473+/-0.004 χ^2/NDF: 46202.4/19

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.526+/-0.004 χ^2/NDF: 50512.5/23

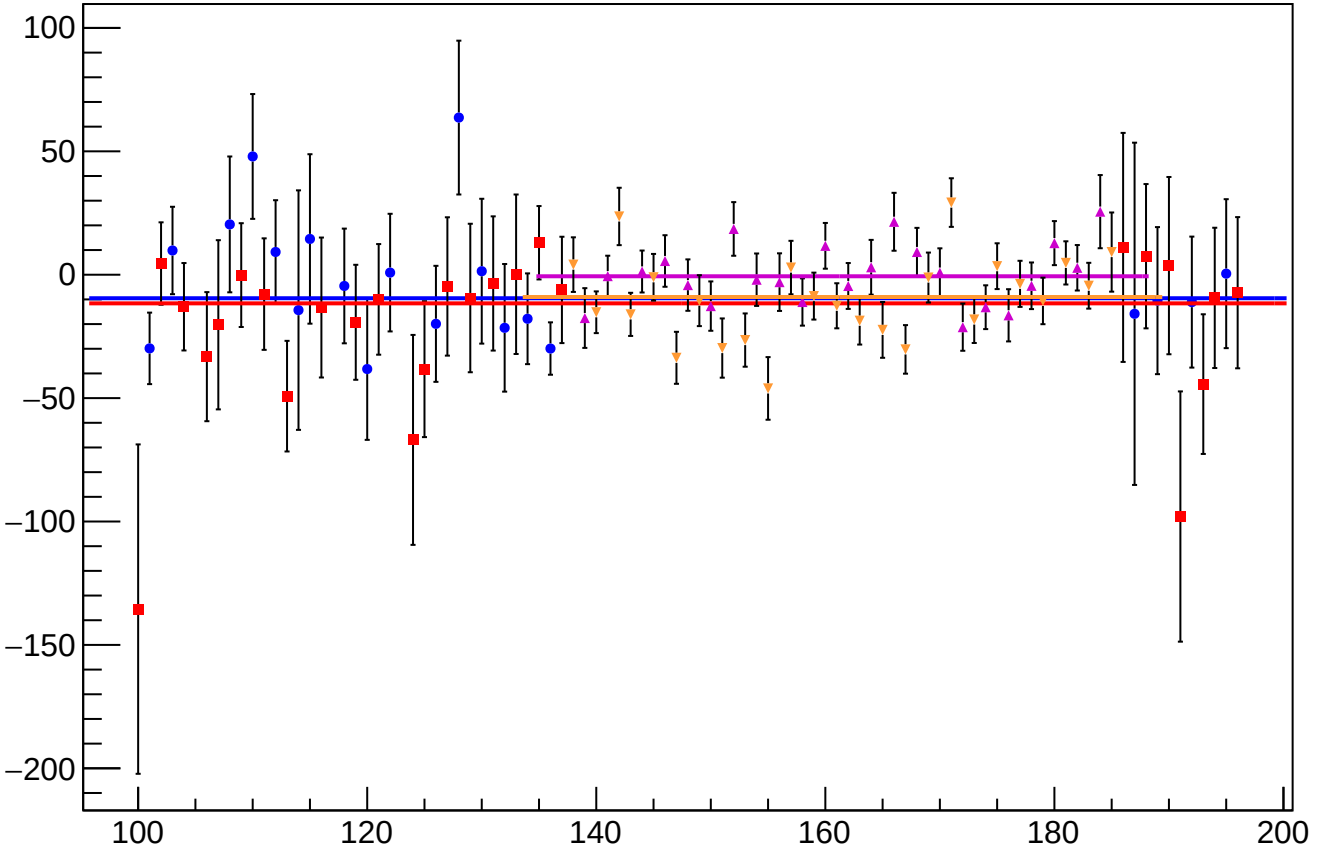
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.206+/-0.002 χ^2/NDF: 149388.9/43

All: 17.200+/-0.002 χ^2/NDF: 317046.4/90

- sign 17.196+/-0.002 χ^2/NDF: 167647.6/46

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.529+/-4.976 χ^2/NDF: 22.1/19

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -11.600+/-4.988 χ^2/NDF: 19.2/25

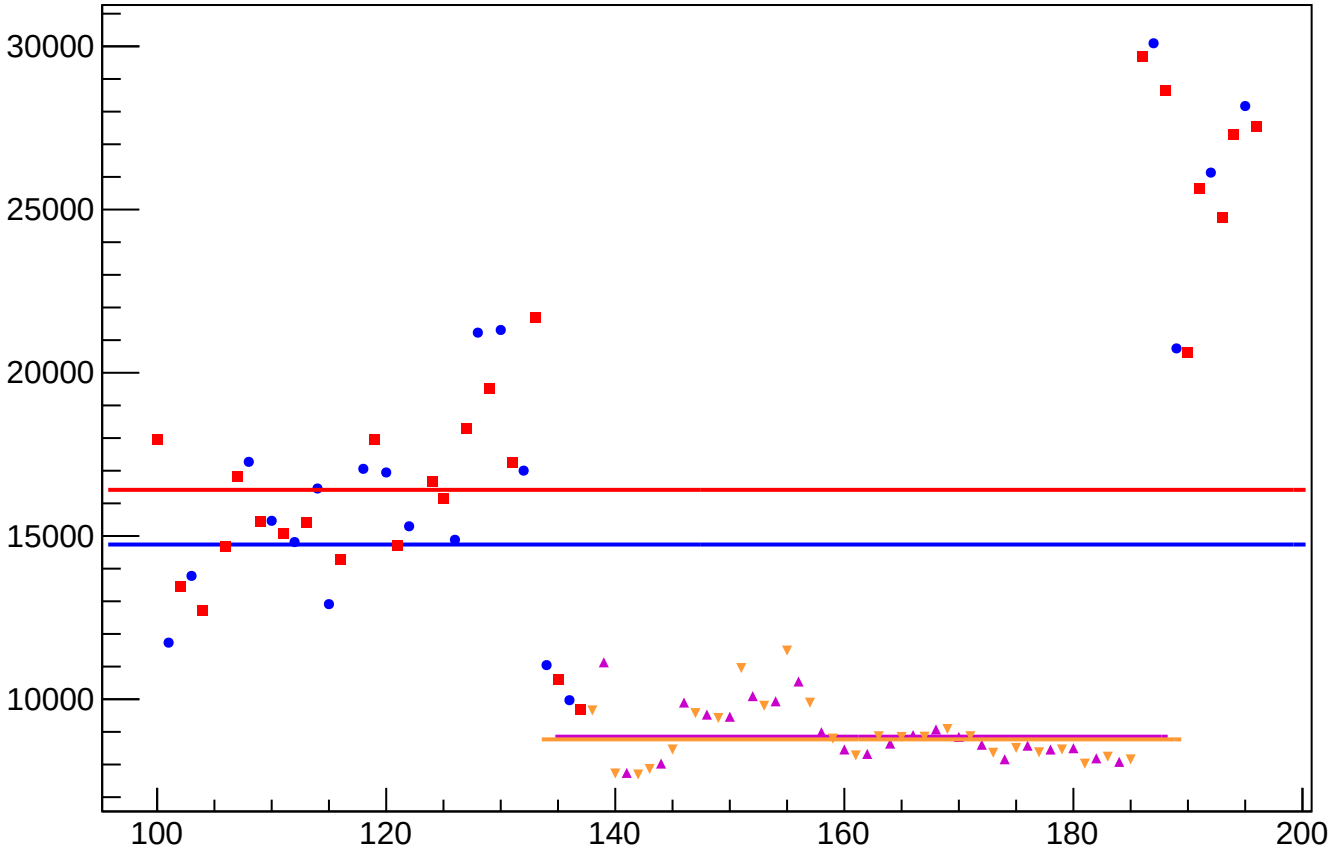
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.098+/-1.861 χ^2/NDF: 84.1/44

All: -5.781+/-1.336 χ^2/NDF: 143.5/93

- sign -2.252+/-1.919 χ^2/NDF: 52.8/48

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 14738.803+/-3.518 χ^2/NDF: 1782698.7/19

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 16413.853+/-3.527 χ^2/NDF: 2129696.6/25

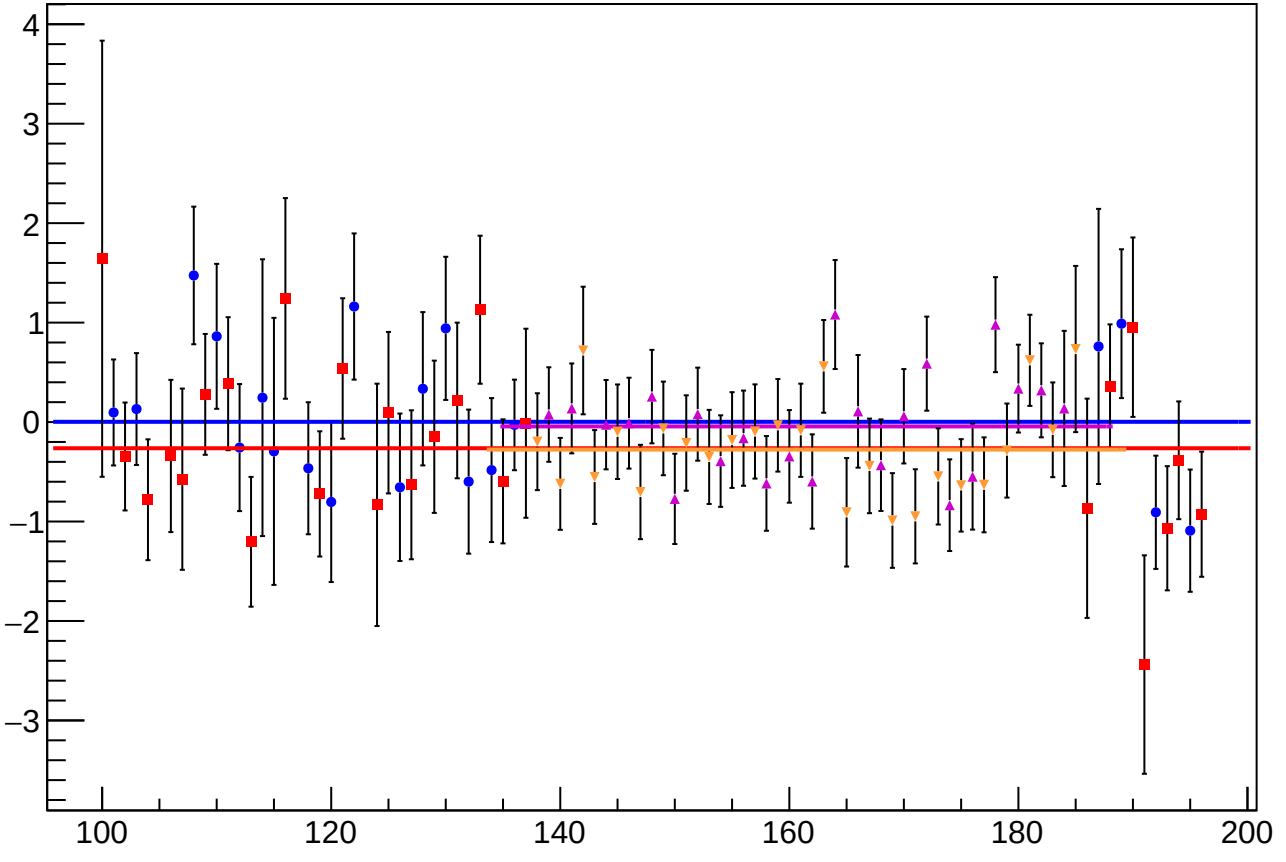
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9605.117+/-1.316 χ^2/NDF: 4603118.9/44

All: 9782.943+/-0.945 χ^2/NDF: 10985340.9/9

- sign 9972.100+/-1.357 χ^2/NDF: 6344529.5/48

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.003+/-0.154 χ^2/NDF: 21.8/19

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.263+/-0.144 χ^2/NDF: 24.3/25

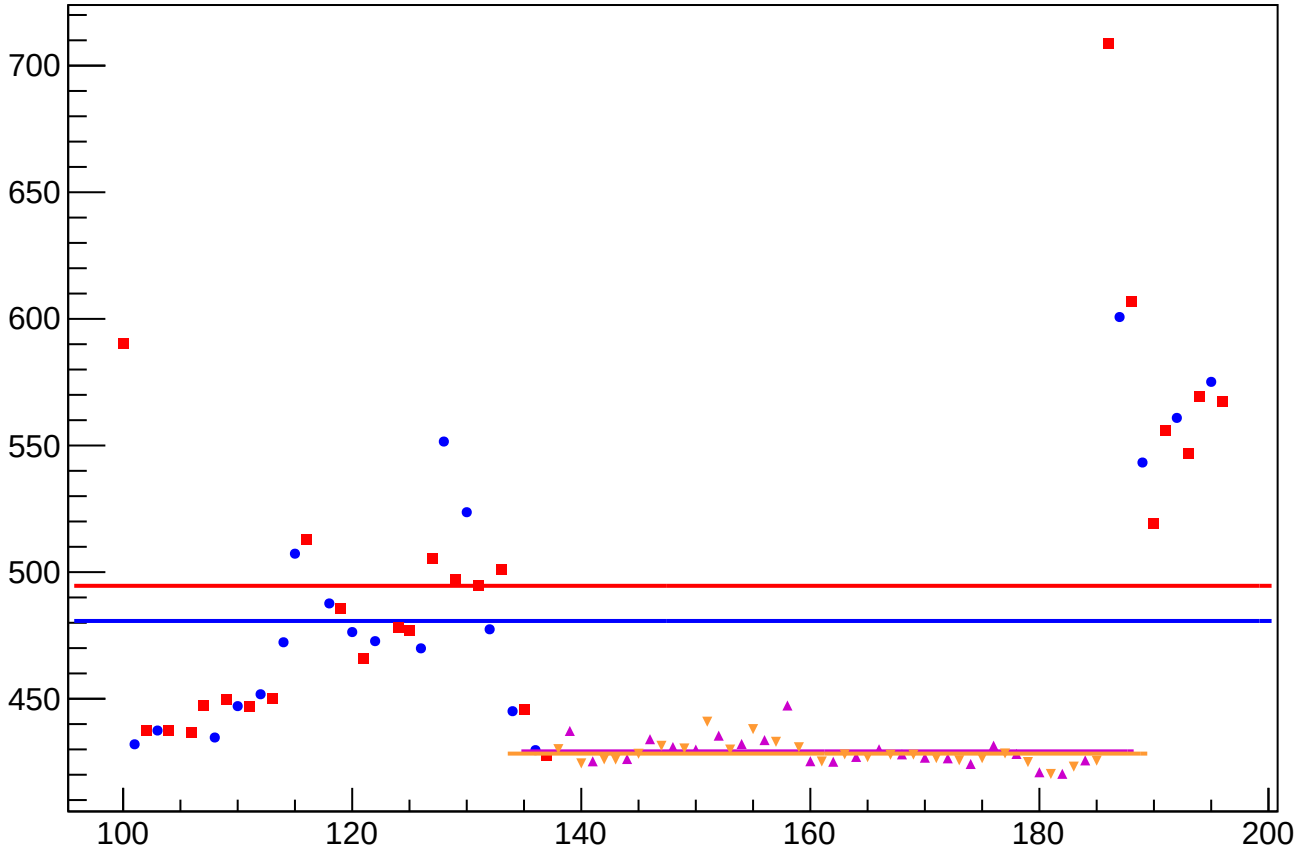
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.197+/-0.082 χ^2/NDF: 45.2/44

All: -0.156+/-0.058 χ^2/NDF: 95.3/93

- sign -0.115+/-0.082 χ^2/NDF: 49.7/48

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 480.718+/-0.109 χ^2/NDF: 217492.0/19

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 494.596+/-0.102 χ^2/NDF: 340683.6/25

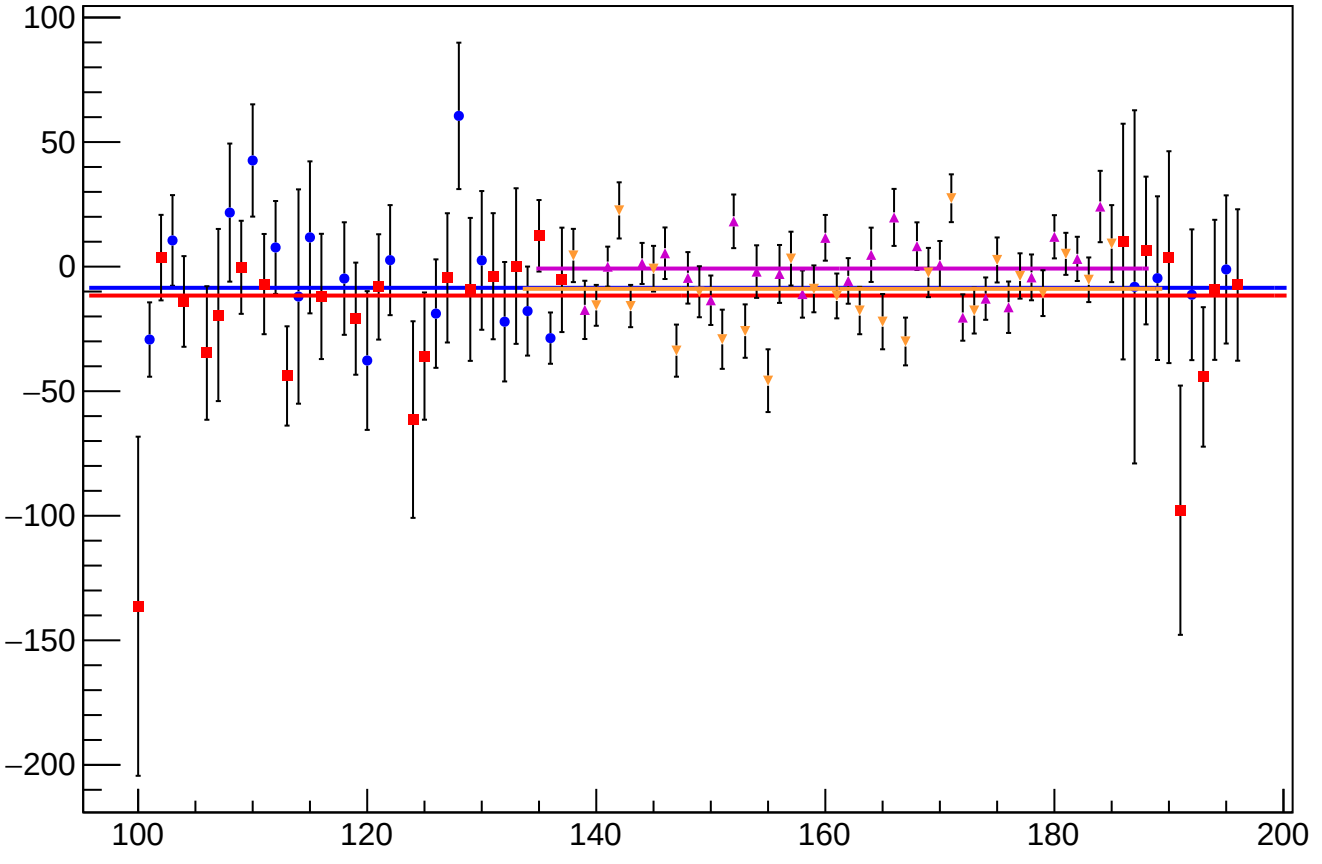
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 443.235+/-0.058 χ^2/NDF: 386259.4/44

All: 446.906+/-0.041 χ^2/NDF: 1019403.6/93

- sign 450.573+/-0.058 χ^2/NDF: 625192.1/48

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.505+/-4.814 χ^2/NDF: 22.4/19

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -11.611+/-4.808 χ^2/NDF: 19.0/25

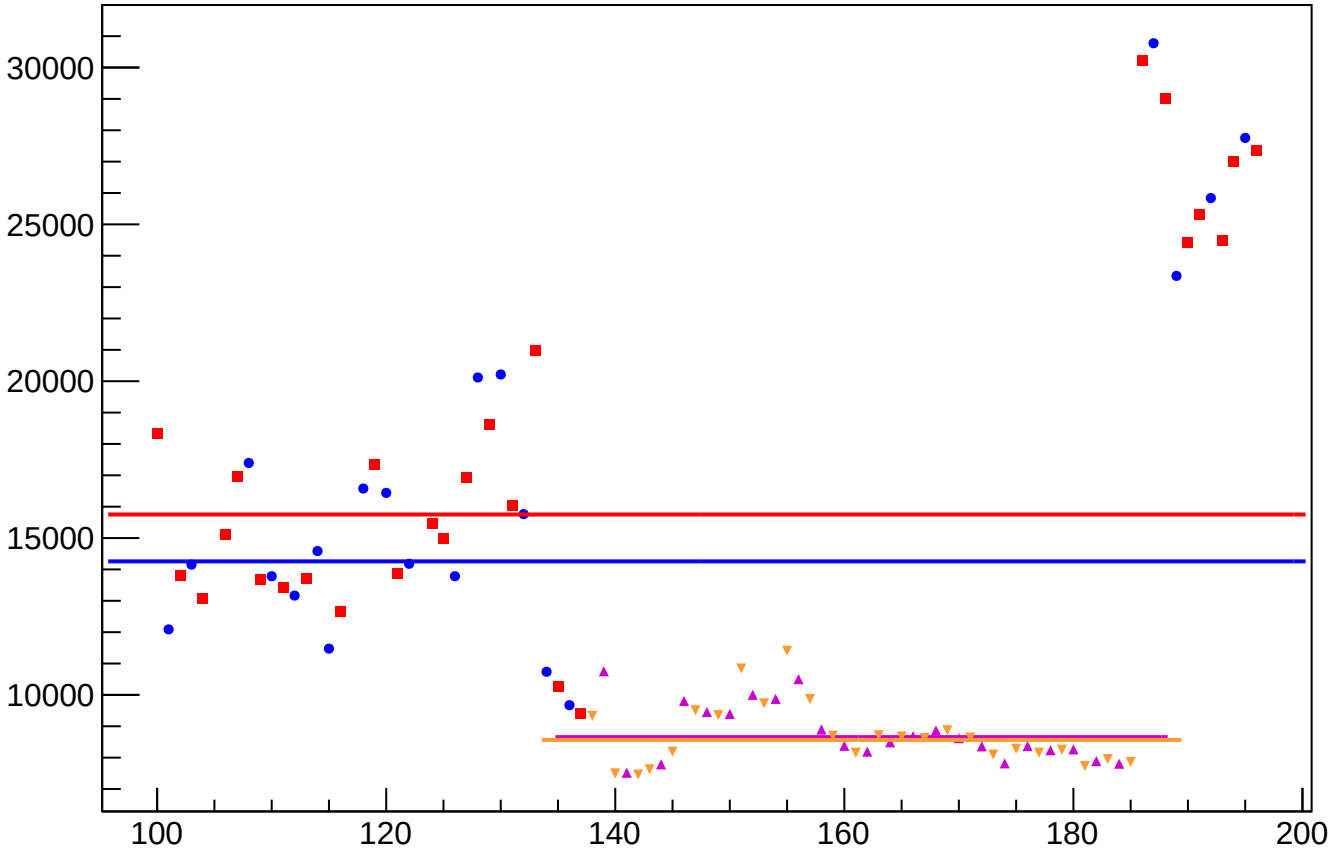
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.848+/-1.816 χ^2/NDF: 83.9/44

All: -5.732+/-1.304 χ^2/NDF: 142.6/93

- sign -2.418+/-1.873 χ^2/NDF: 52.6/48

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 14256.621+/-3.404 χ^2/NDF: 1843685.3/19

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 15750.905+/-3.400 χ^2/NDF: 2311859.0/25

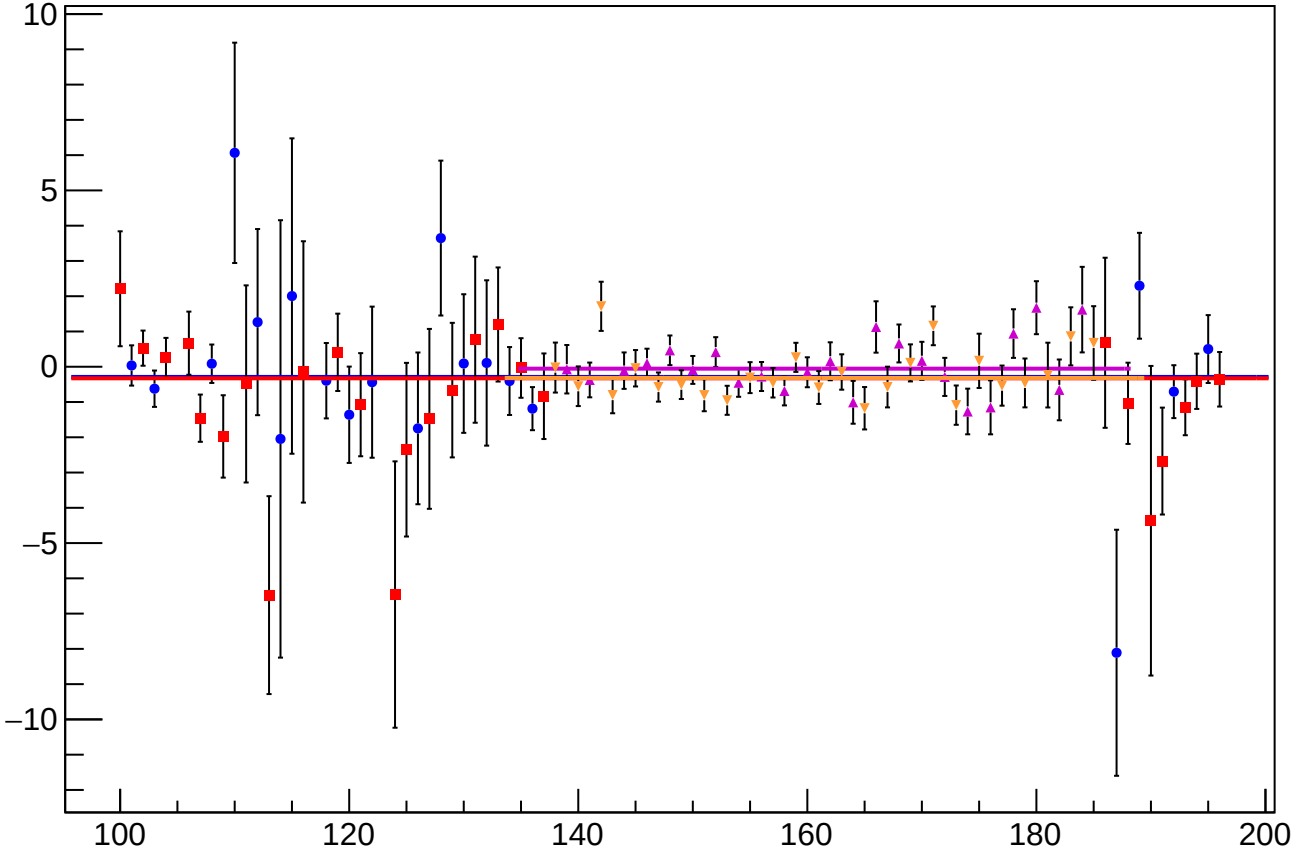
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9374.296+/-1.284 χ^2/NDF: 4642300.9/44

All: 9547.408+/-0.922 χ^2/NDF: 11033384.1/9

- sign 9731.592+/-1.325 χ^2/NDF: 6353573.1/48

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.289+/-0.223 χ^2/NDF: 21.6/19

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.328+/-0.208 χ^2/NDF: 27.9/25

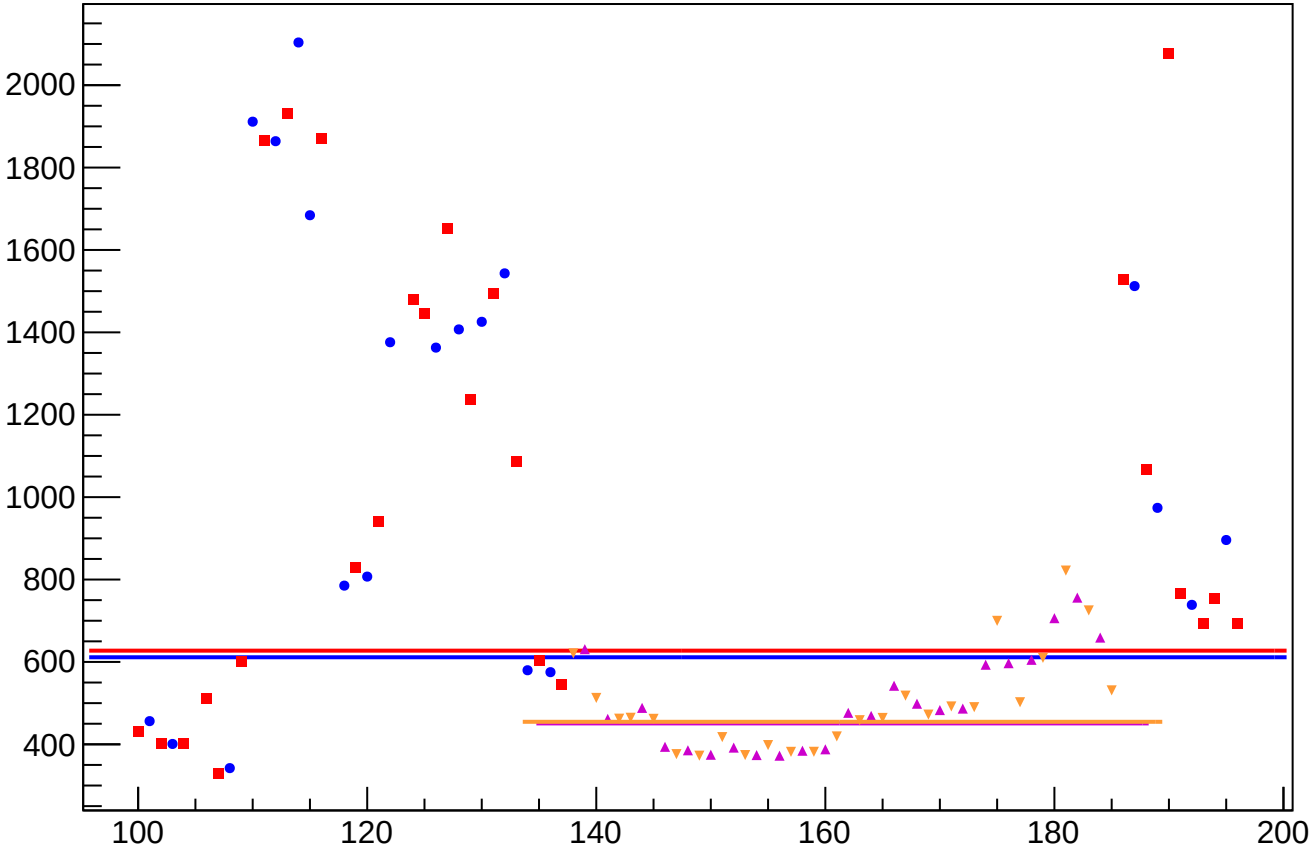
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.312+/-0.096 χ^2/NDF: 53.9/44

All: -0.213+/-0.068 χ^2/NDF: 115.1/93

- sign -0.112+/-0.096 χ^2/NDF: 59.1/48

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 611.335+/-0.157 χ^2/NDF: 4003616.9/19

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 627.394+/-0.147 χ^2/NDF: 4585603.9/25

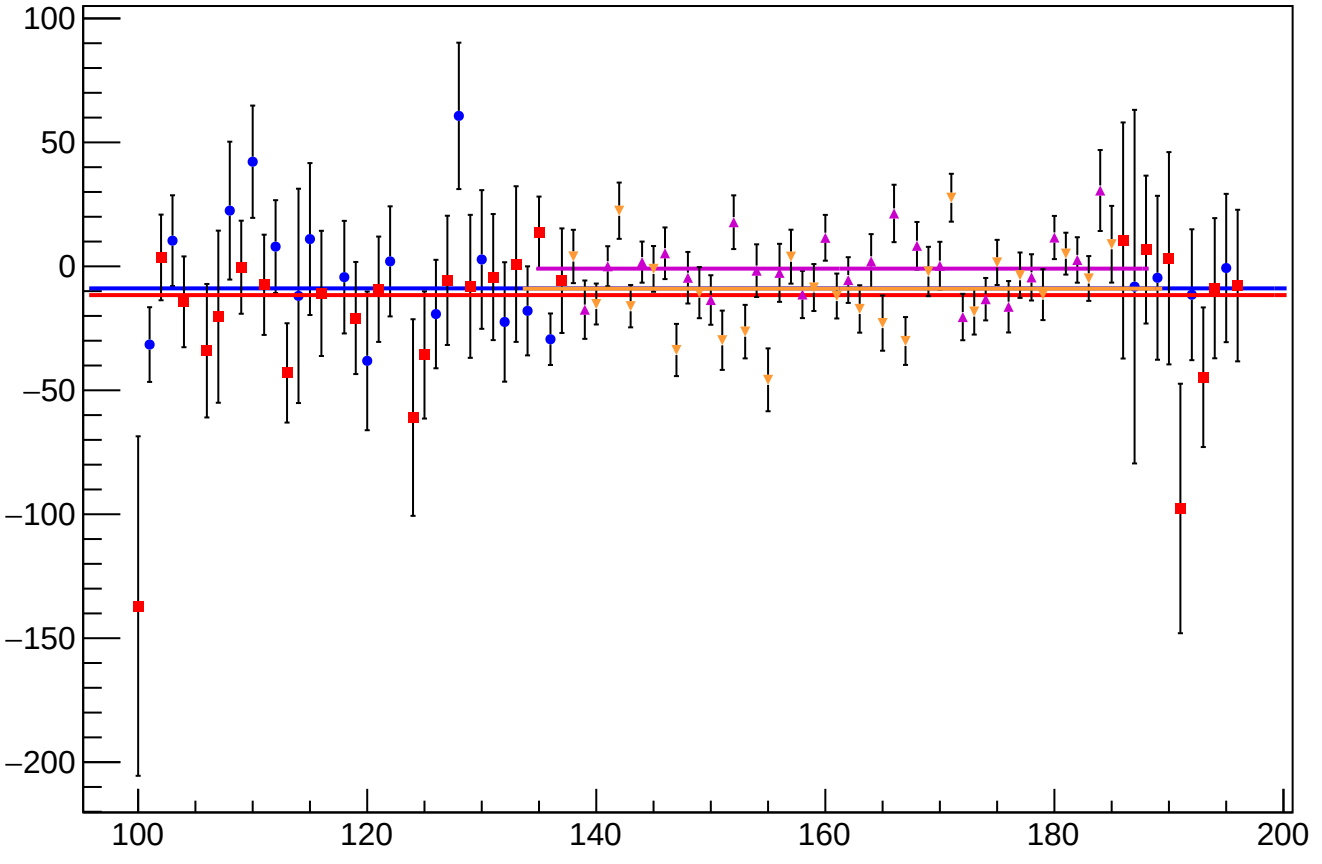
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 483.618+/-0.068 χ^2/NDF: 6261715.9/44

All: 485.937+/-0.048 χ^2/NDF: 13454055.4/93

- sign 488.268+/-0.068 χ^2/NDF: 7189985.2/48

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -8.885+/-4.846 χ^2/NDF: 22.9/19

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -11.599+/-4.840 χ^2/NDF: 18.8/25

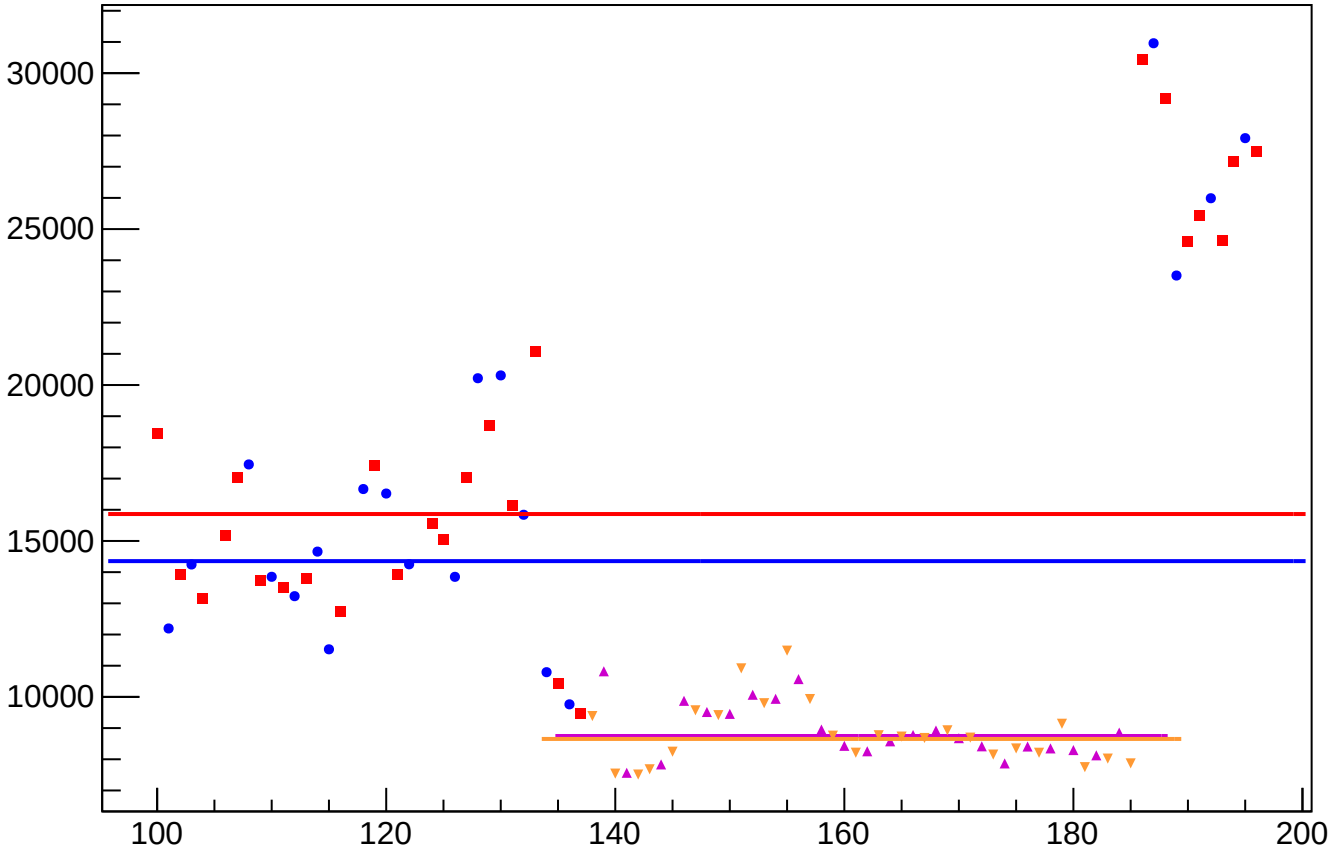
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -8.984+/-1.834 χ^2/NDF: 84.1/44

All: -5.870+/-1.317 χ^2/NDF: 142.8/93

- sign -2.556+/-1.892 χ^2/NDF: 52.8/48

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 14353.721+/-3.427 χ^2/NDF: 1832841.1/19

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 15863.512+/-3.423 χ^2/NDF: 2294151.5/25

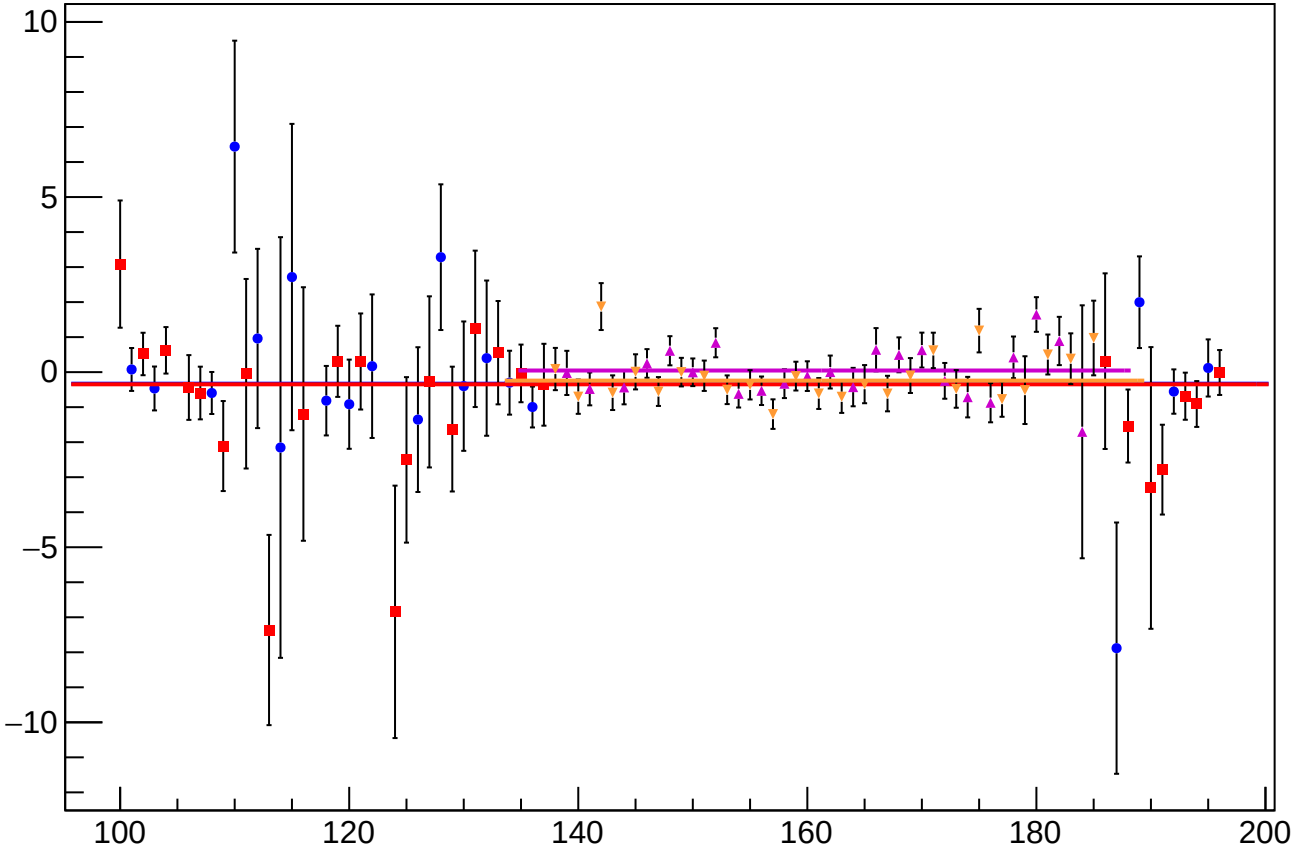
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9468.765+/-1.297 χ^2/NDF: 4610192.7/44

All: 9645.551+/-0.931 χ^2/NDF: 10937467.9/9

- sign 9833.642+/-1.338 χ^2/NDF: 6288933.3/48

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.330+/-0.224 χ^2/NDF: 19.7/19

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.347+/-0.208 χ^2/NDF: 29.5/25

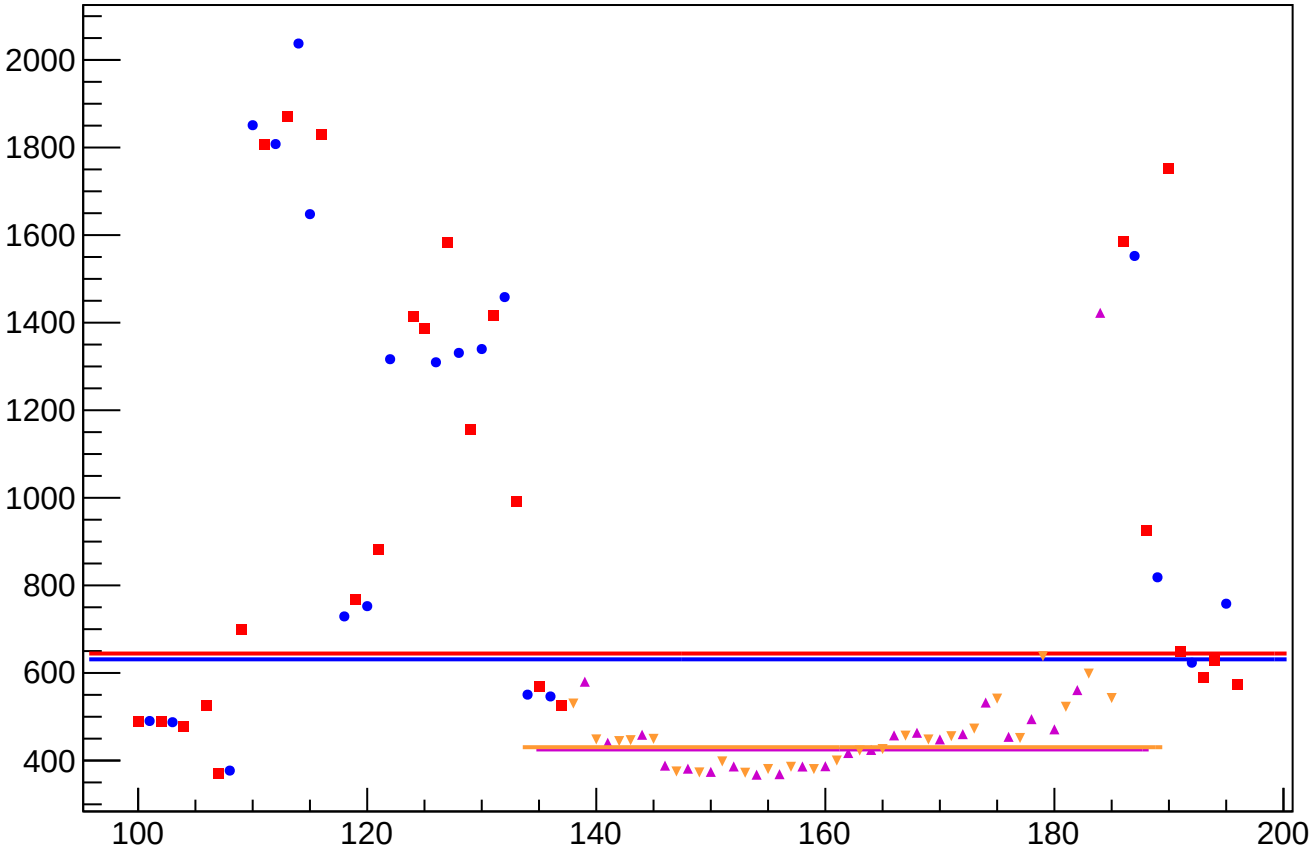
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.257+/-0.091 χ^2/NDF: 54.2/44

All: -0.143+/-0.065 χ^2/NDF: 124.8/93

- sign -0.029+/-0.091 χ^2/NDF: 67.5/48

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 631.116+/-0.158 χ^2/NDF: 3090598.5/19

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

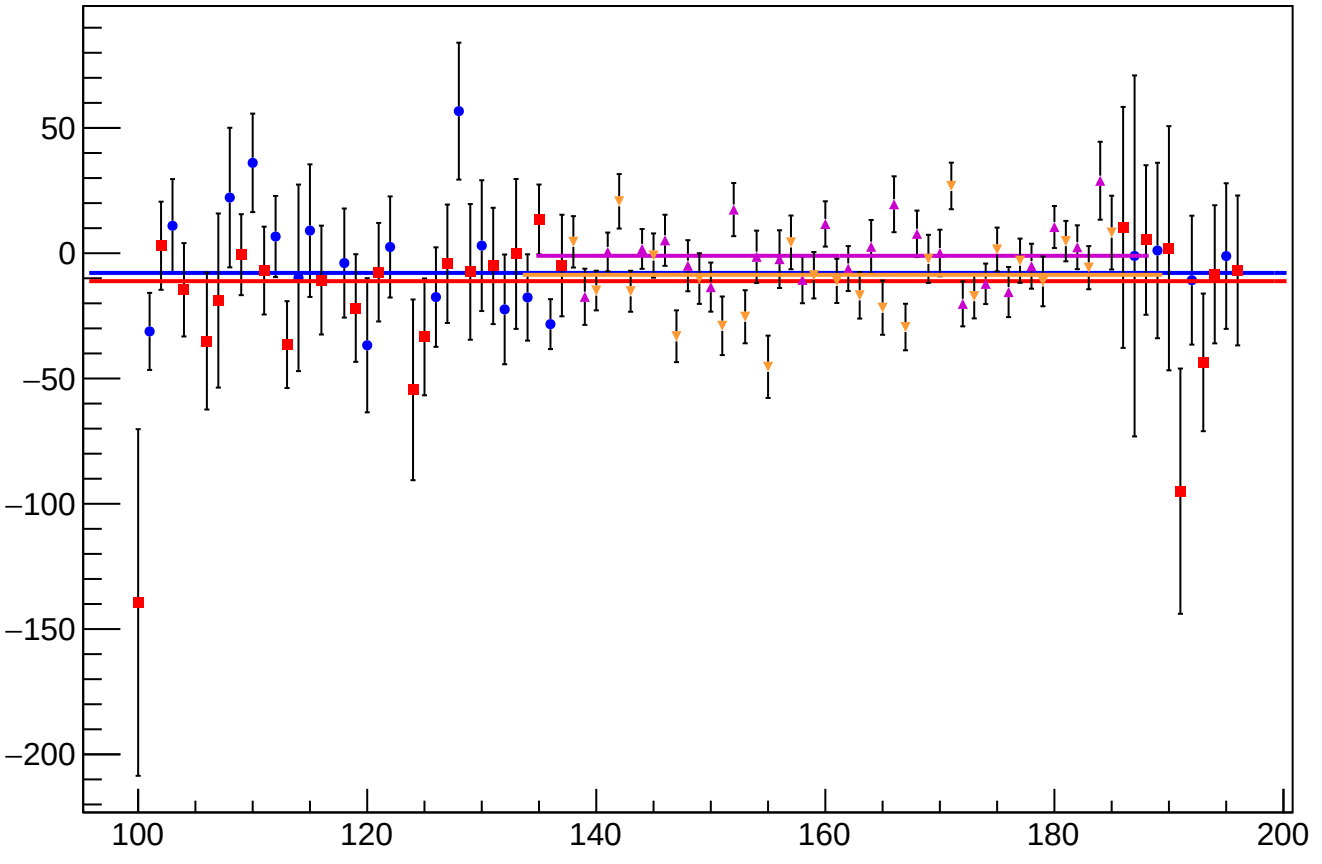
Right Out: 644.381+/-0.147 χ^2/NDF: 3409786.4/25

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 463.936+/-0.065 χ^2/NDF: 5077592.3/44

All: 465.650+/-0.046 χ^2/NDF: 10990965.0/93

- sign 467.359+/-0.065 χ^2/NDF: 5911969.8/48



Right In: -7.854+/-4.589 χ^2/NDF: 23.3/19

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

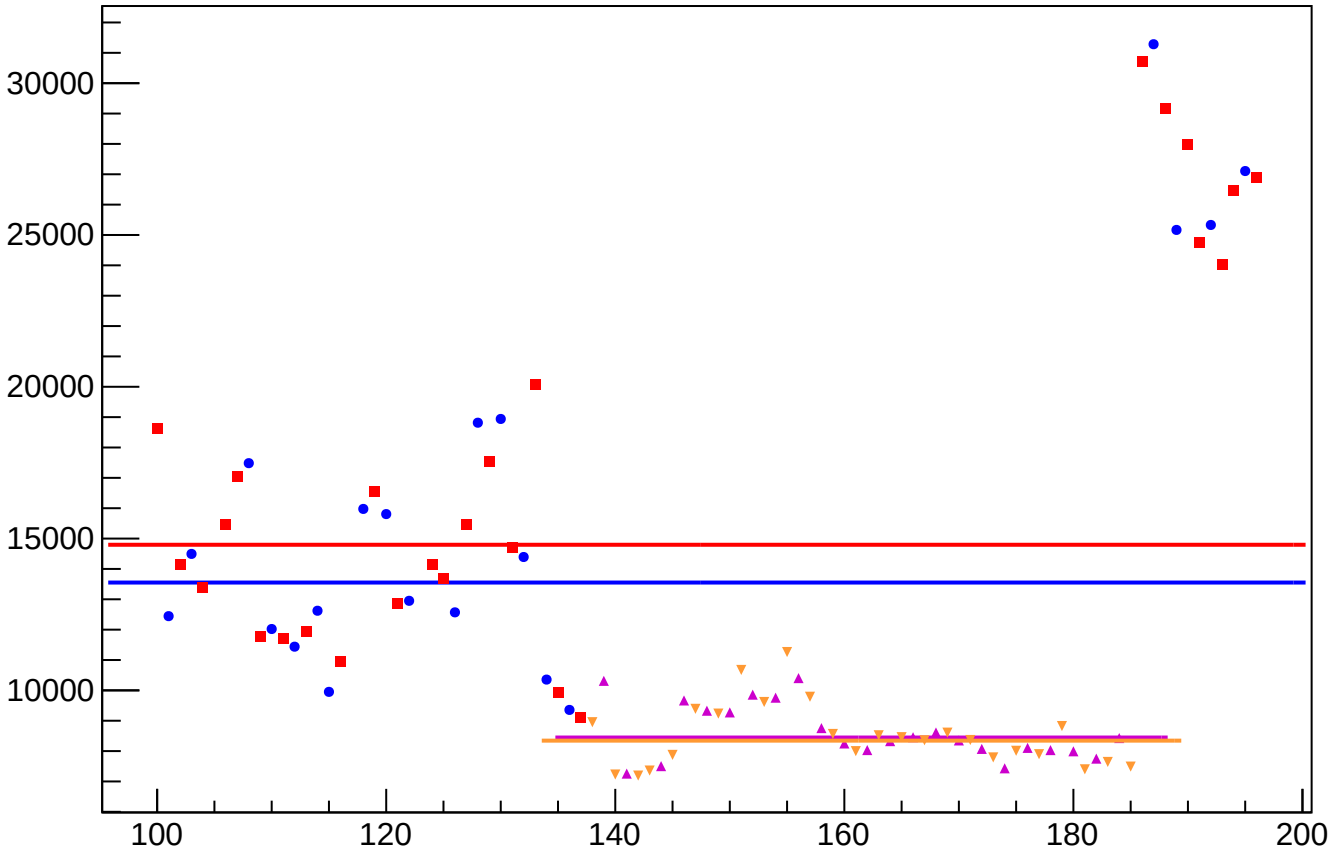
Right Out: -11.150+/-4.552 χ^2/NDF: 18.7/25

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.509+/-1.766 χ^2/NDF: 84.9/44

All: -5.668+/-1.268 χ^2/NDF: 142.8/93

- sign -2.647+/-1.821 χ^2/NDF: 52.6/48



Right In: 13551.671+/-3.245 χ^2/NDF: 1967283.4/19

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

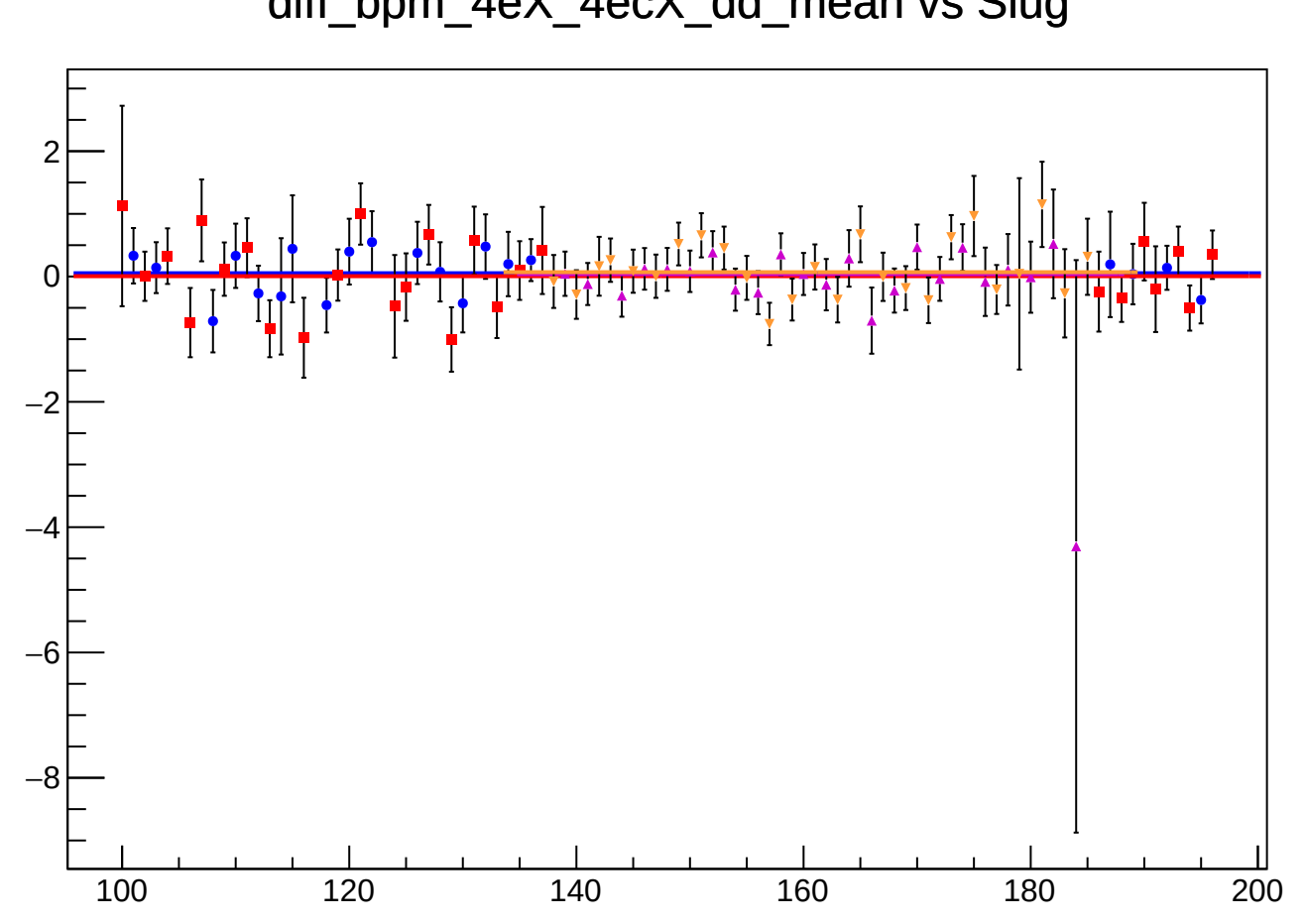
Right Out: 14796.018+/-3.219 χ^2/NDF: 2629184.2/25

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9115.309+/-1.249 χ^2/NDF: 4630621.1/44

All: 9283.588+/-0.896 χ^2/NDF: 10947658.6/9

- sign 9462.522+/-1.287 χ^2/NDF: 6279557.5/48



Right In: 0.053+/-0.105 χ^2/NDF: 10.8/19

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.005+/-0.096 χ^2/NDF: 30.0/25

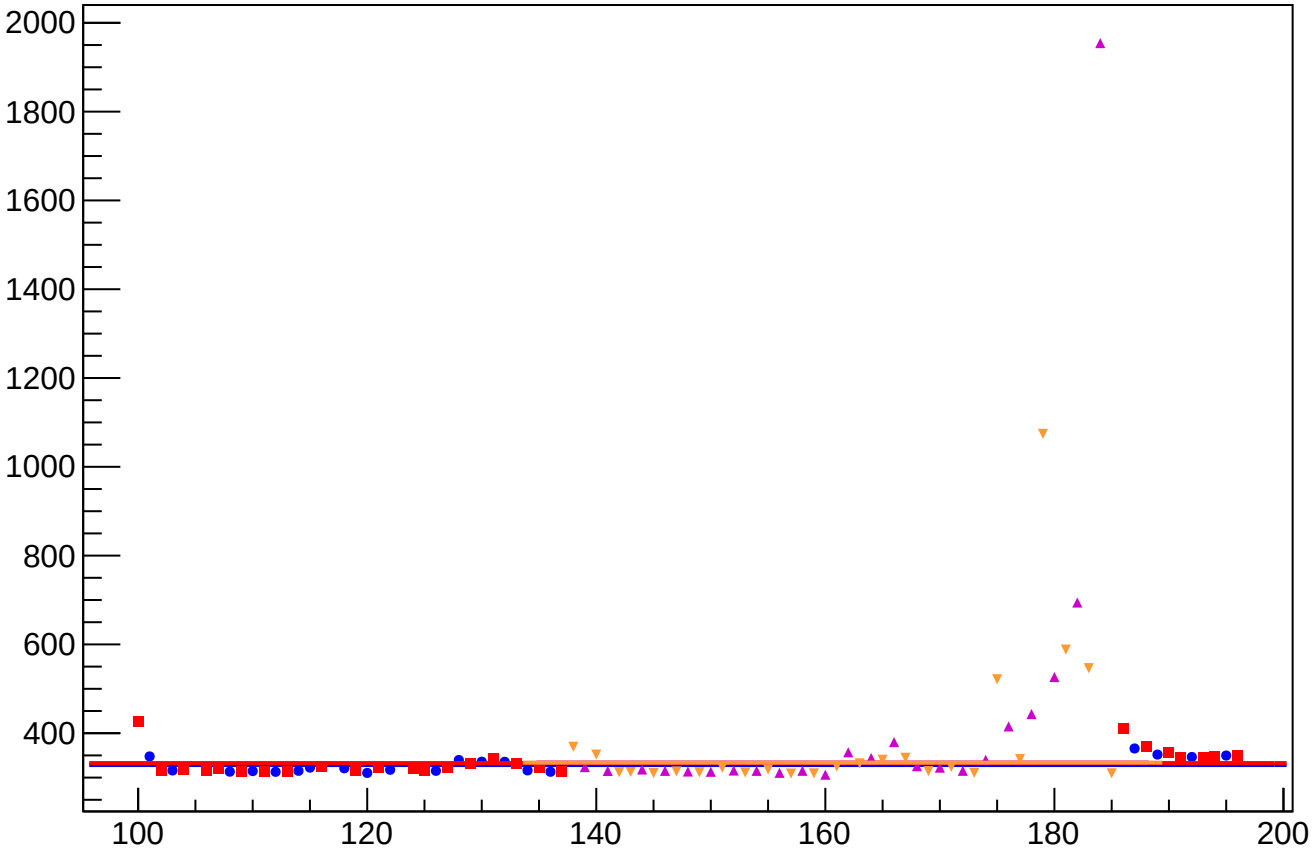
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.063+/-0.063 χ^2/NDF: 39.1/44

All: 0.043+/-0.044 χ^2/NDF: 81.0/93

- sign 0.024+/-0.062 χ^2/NDF: 41.7/48

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 328.285+/-0.074 χ^2/NDF: 44782.6/19

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 332.717+/-0.068 χ^2/NDF: 97873.5/25

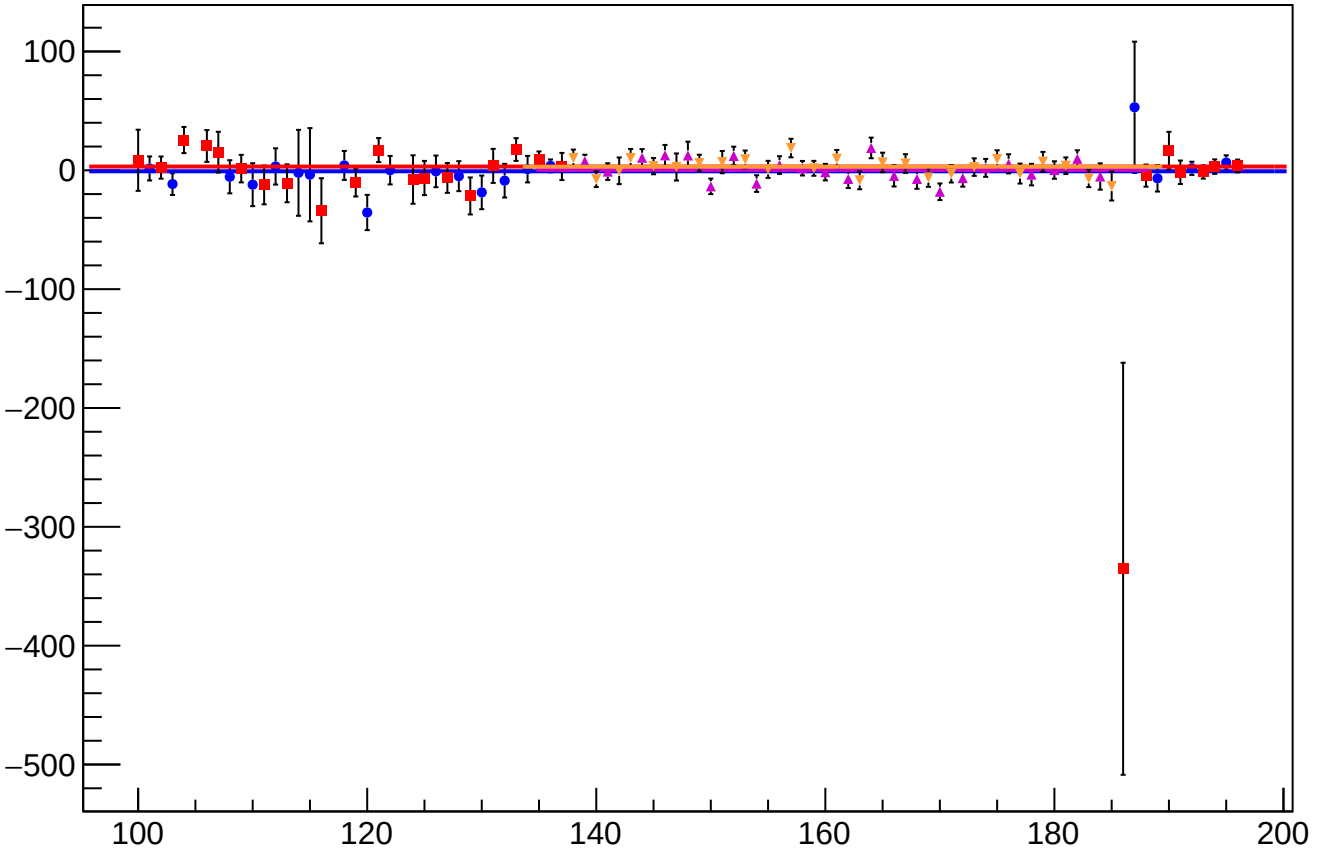
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 331.801+/-0.045 χ^2/NDF: 1265527.5/44

All: 332.646+/-0.031 χ^2/NDF: 2415286.6/93

- sign 333.458+/-0.044 χ^2/NDF: 1149058.8/48

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -0.810+/-2.319 χ^2/NDF: 13.3/19

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

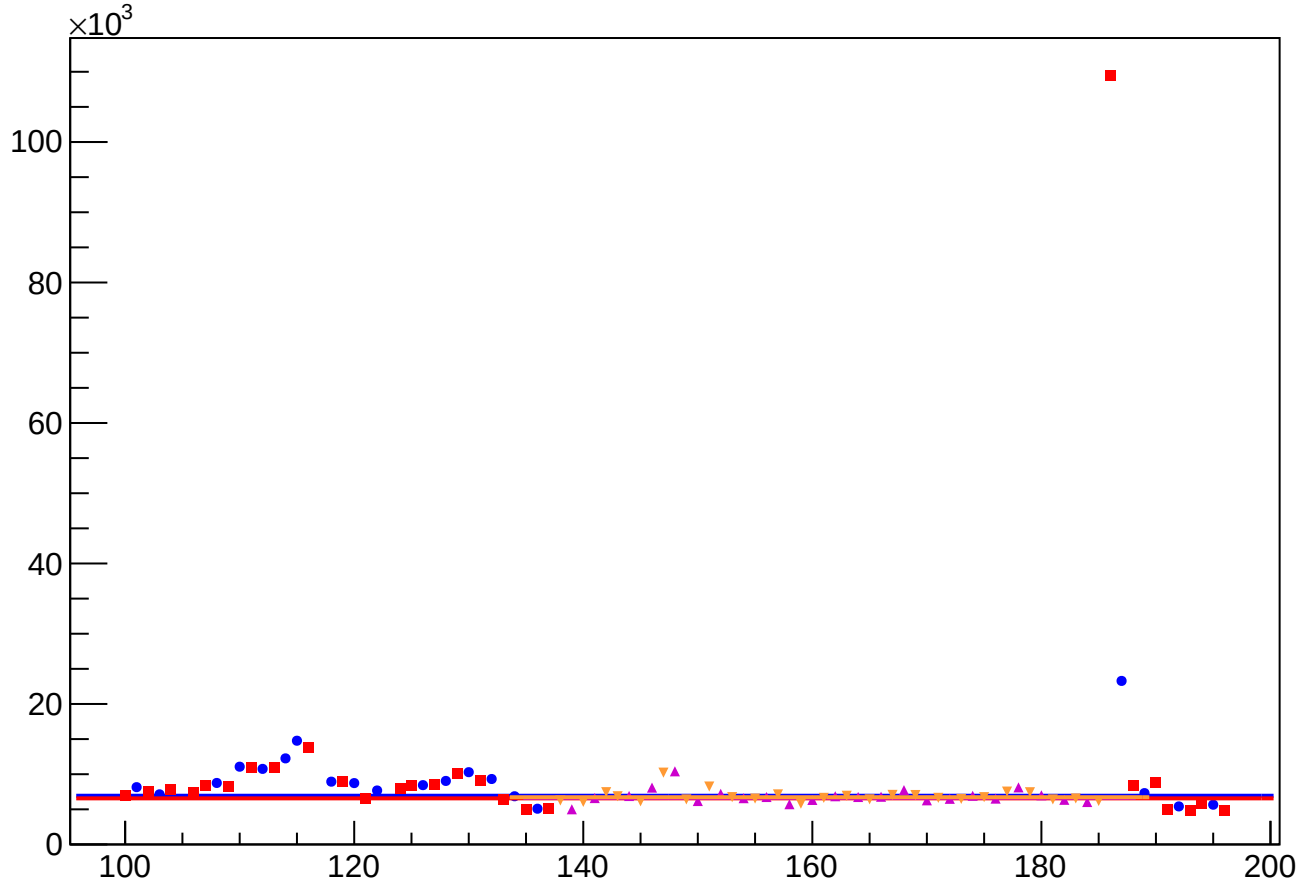
Right Out: 3.172+/-2.024 χ^2/NDF: 25.9/25

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.848+/-1.284 χ^2/NDF: 35.5/44

All: 1.621+/-0.892 χ^2/NDF: 96.5/93

- sign 1.409+/-1.240 χ^2/NDF: 60.9/48



Right In: 6934.614+/-1.640 χ^2/NDF: 1409364.7/19

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6561.248+/-1.431 χ^2/NDF: 2318776.9/25

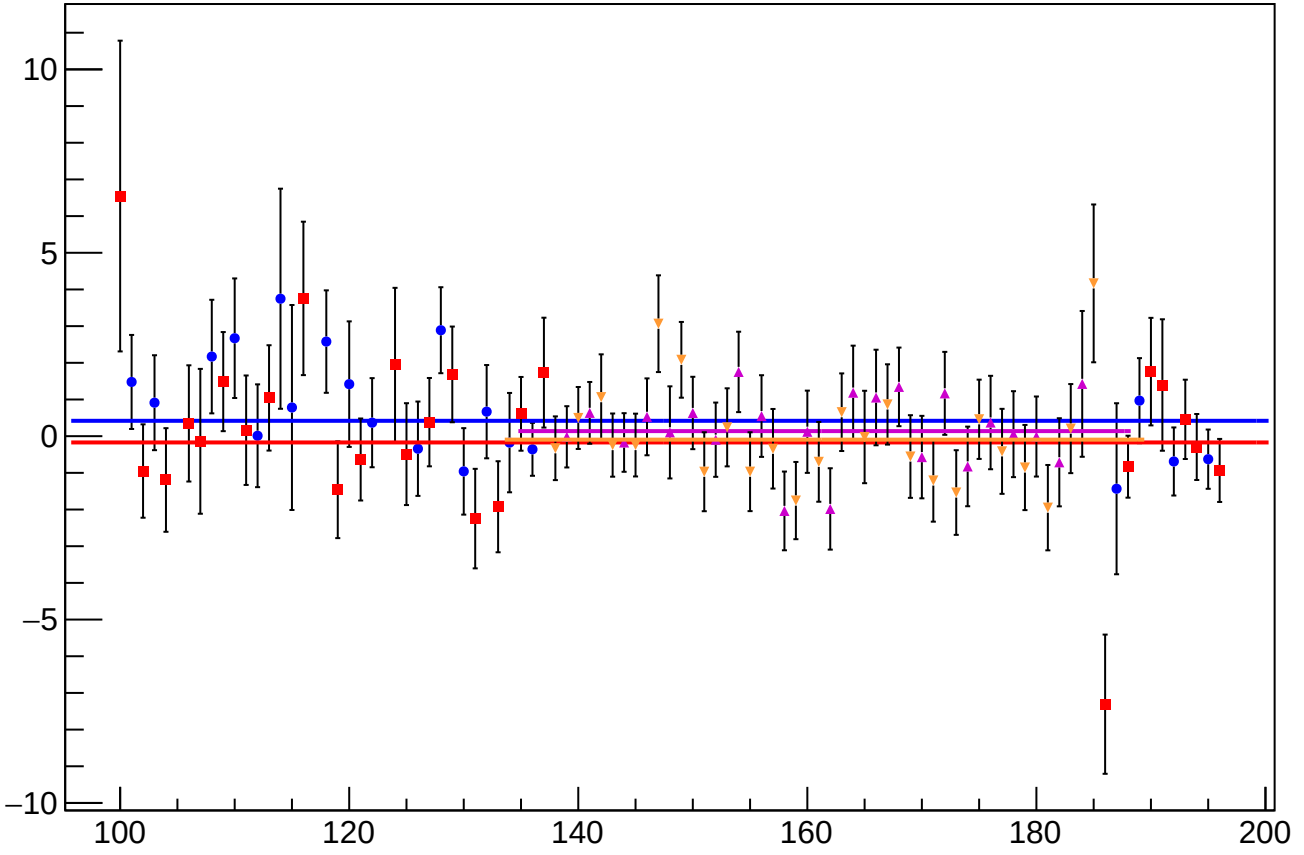
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6787.841+/-0.908 χ^2/NDF: 1824233.0/44

All: 6693.697+/-0.631 χ^2/NDF: 4794841.4/93

- sign 6605.911+/-0.877 χ^2/NDF: 2949826.0/48

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.419+/-0.277 χ^2/NDF: 19.6/19

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.171+/-0.254 χ^2/NDF: 38.7/25

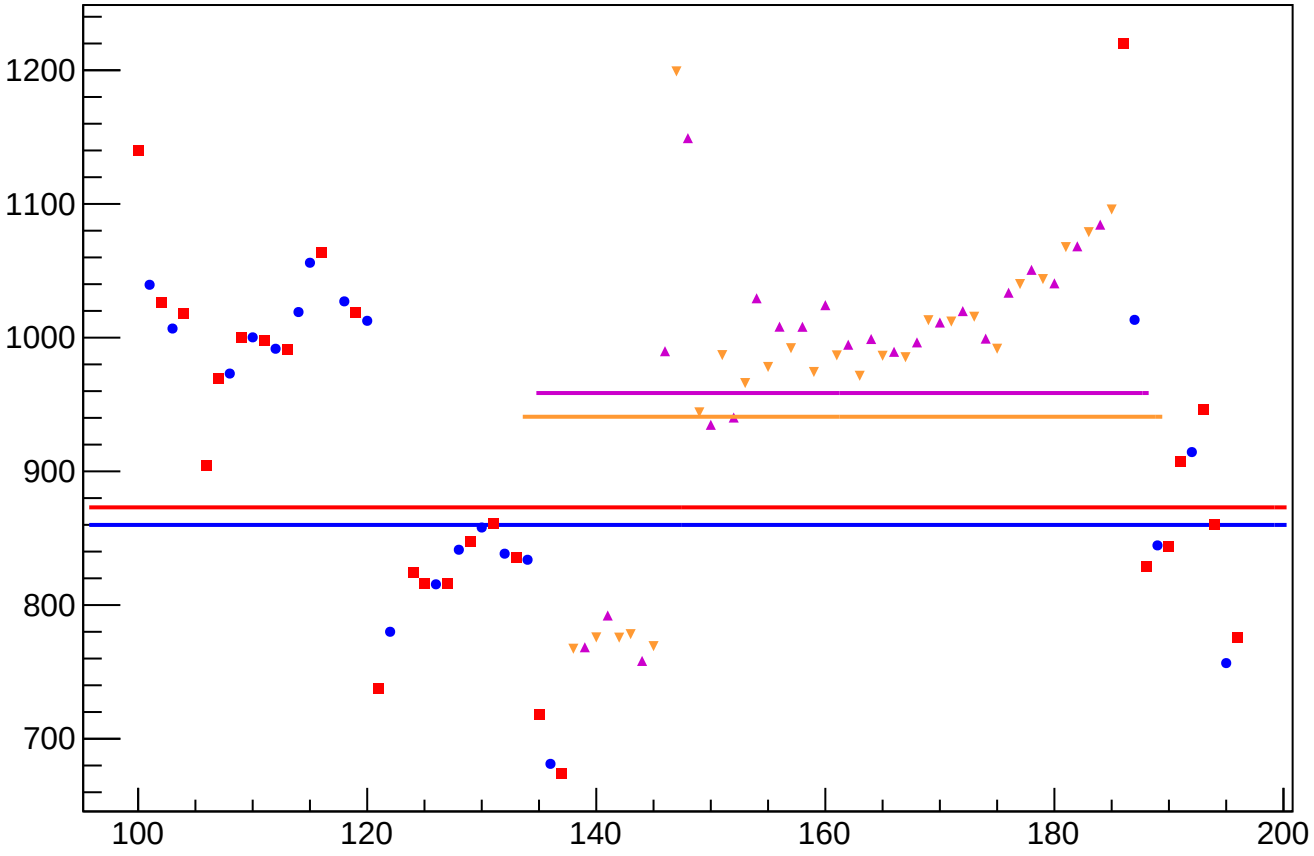
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.099+/-0.170 χ^2/NDF: 49.1/44

All: 0.050+/-0.120 χ^2/NDF: 105.2/93

- sign 0.002+/-0.169 χ^2/NDF: 56.0/48

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 859.933+/-0.196 χ^2/NDF: 352350.0/19

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 873.074+/-0.180 χ^2/NDF: 382339.7/25

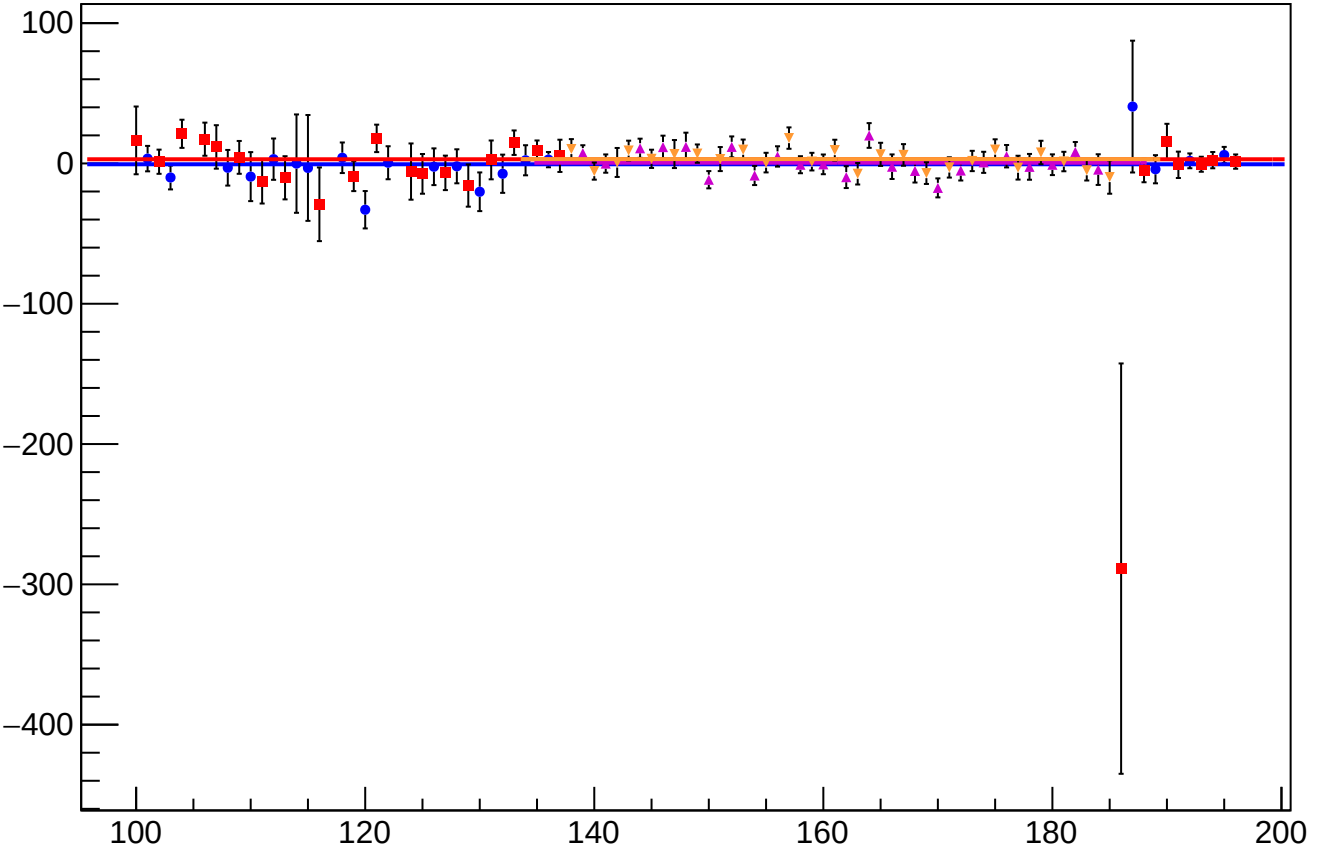
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 910.354+/-0.120 χ^2/NDF: 1027489.7/44

All: 915.704+/-0.085 χ^2/NDF: 1997244.0/93

- sign 920.968+/-0.119 χ^2/NDF: 965826.0/48

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -0.593+/-2.210 χ^2/NDF: 13.0/19

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 2.979+/-1.914 χ^2/NDF: 24.5/25

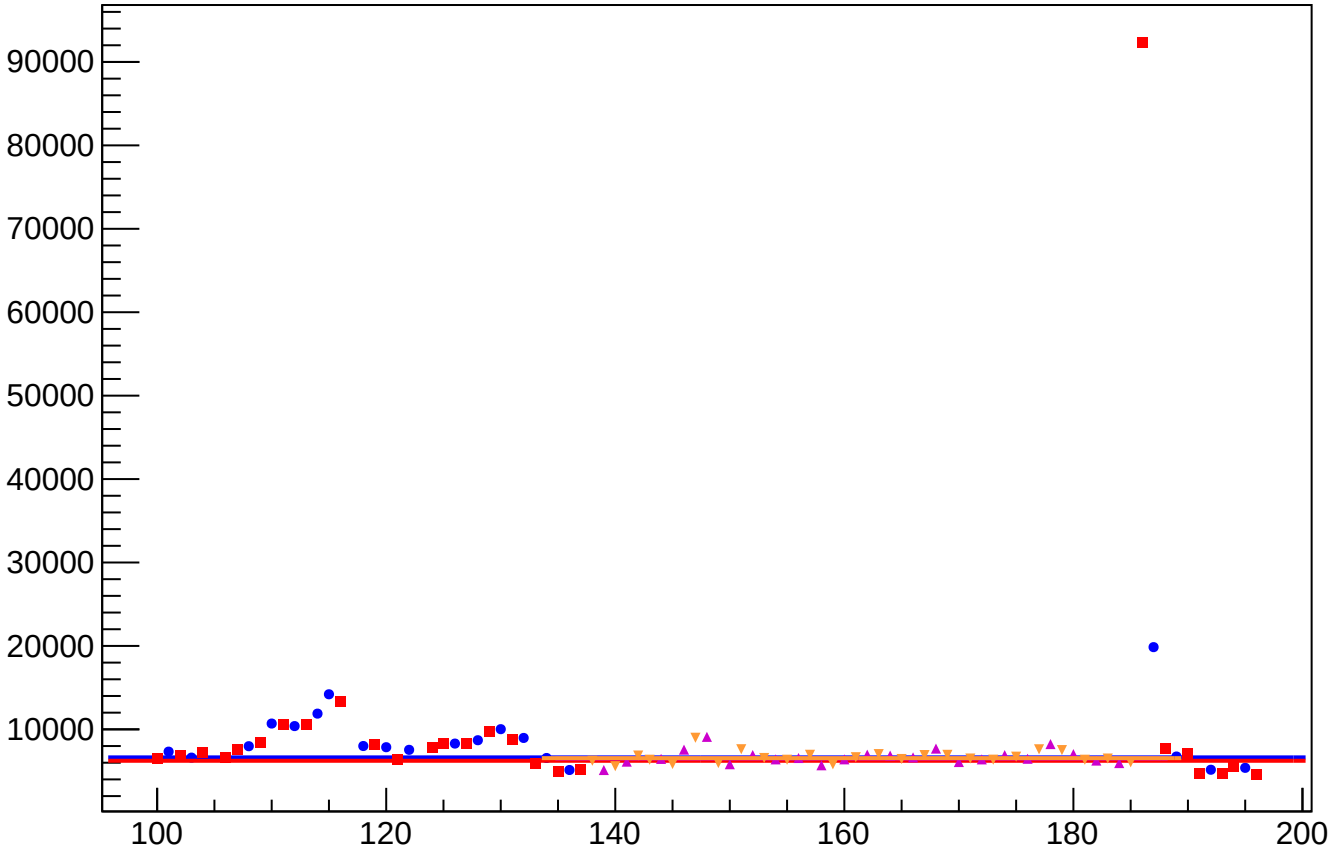
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.935+/-1.241 χ^2/NDF: 33.5/44

All: 1.700+/-0.862 χ^2/NDF: 91.2/93

- sign 1.481+/-1.197 χ^2/NDF: 57.5/48

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6640.394+/-1.563 χ^2/NDF: 1289188.6/19

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6232.719+/-1.354 χ^2/NDF: 2247889.9/25

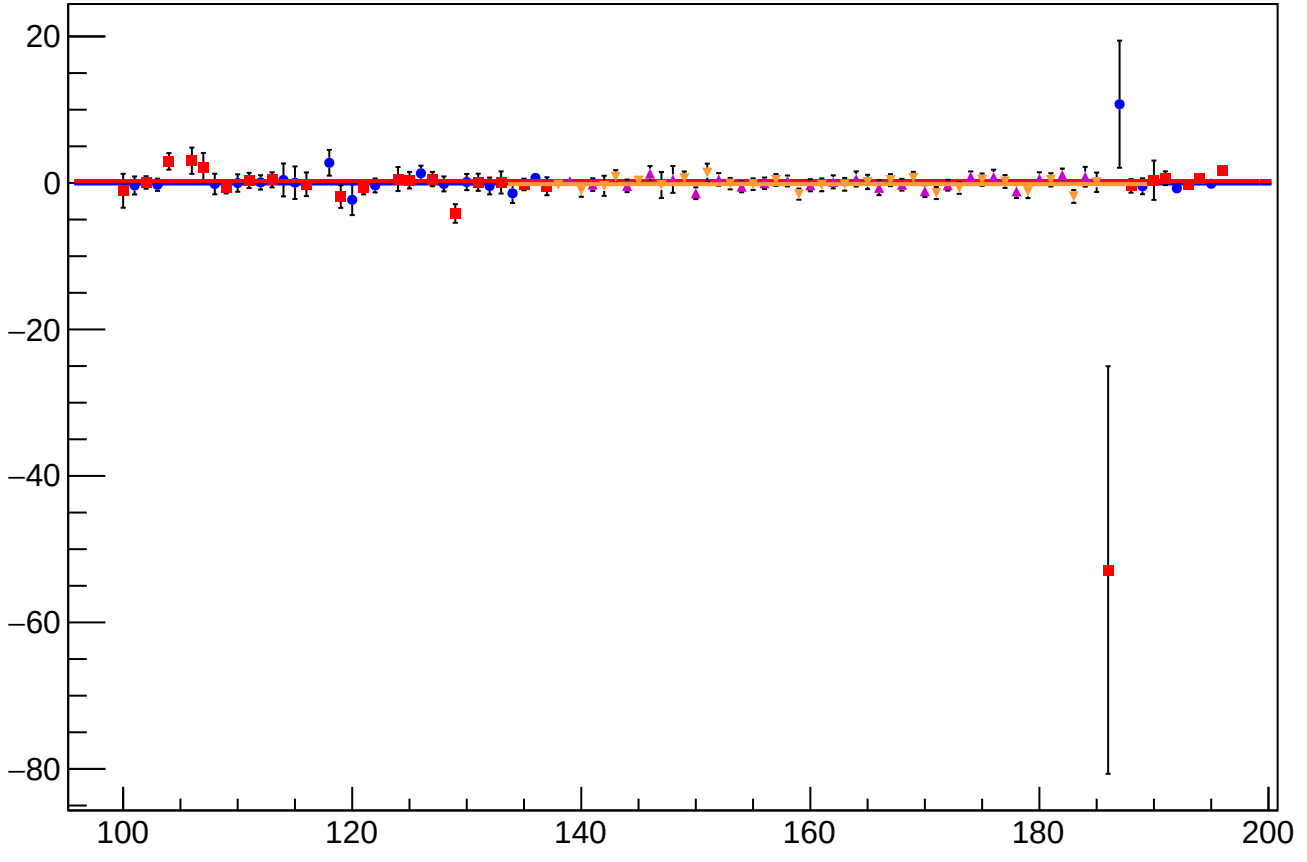
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6577.758+/-0.878 χ^2/NDF: 1657607.6/44

All: 6484.903+/-0.609 χ^2/NDF: 4467242.4/93

- sign 6398.487+/-0.847 χ^2/NDF: 2788026.8/48

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.077+/-0.217 χ^2/NDF: 11.8/19

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.263+/-0.194 χ^2/NDF: 37.6/25

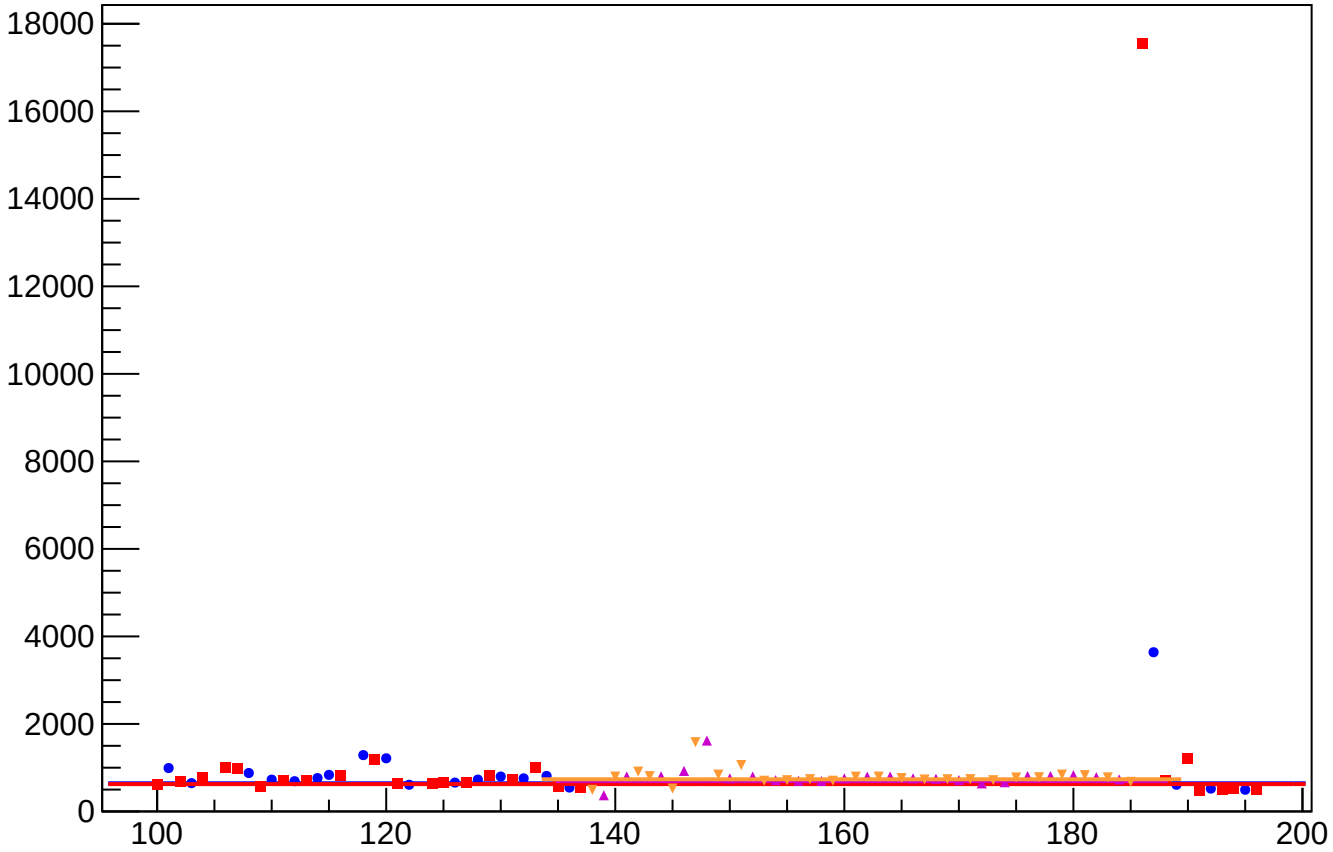
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.129+/-0.135 χ^2/NDF: 30.9/44

All: 0.004+/-0.093 χ^2/NDF: 86.5/93

- sign 0.123+/-0.128 χ^2/NDF: 53.8/48

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 643.685+/-0.153 χ^2/NDF: 1328855.7/19

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 625.029+/-0.137 χ^2/NDF: 1898409.3/25

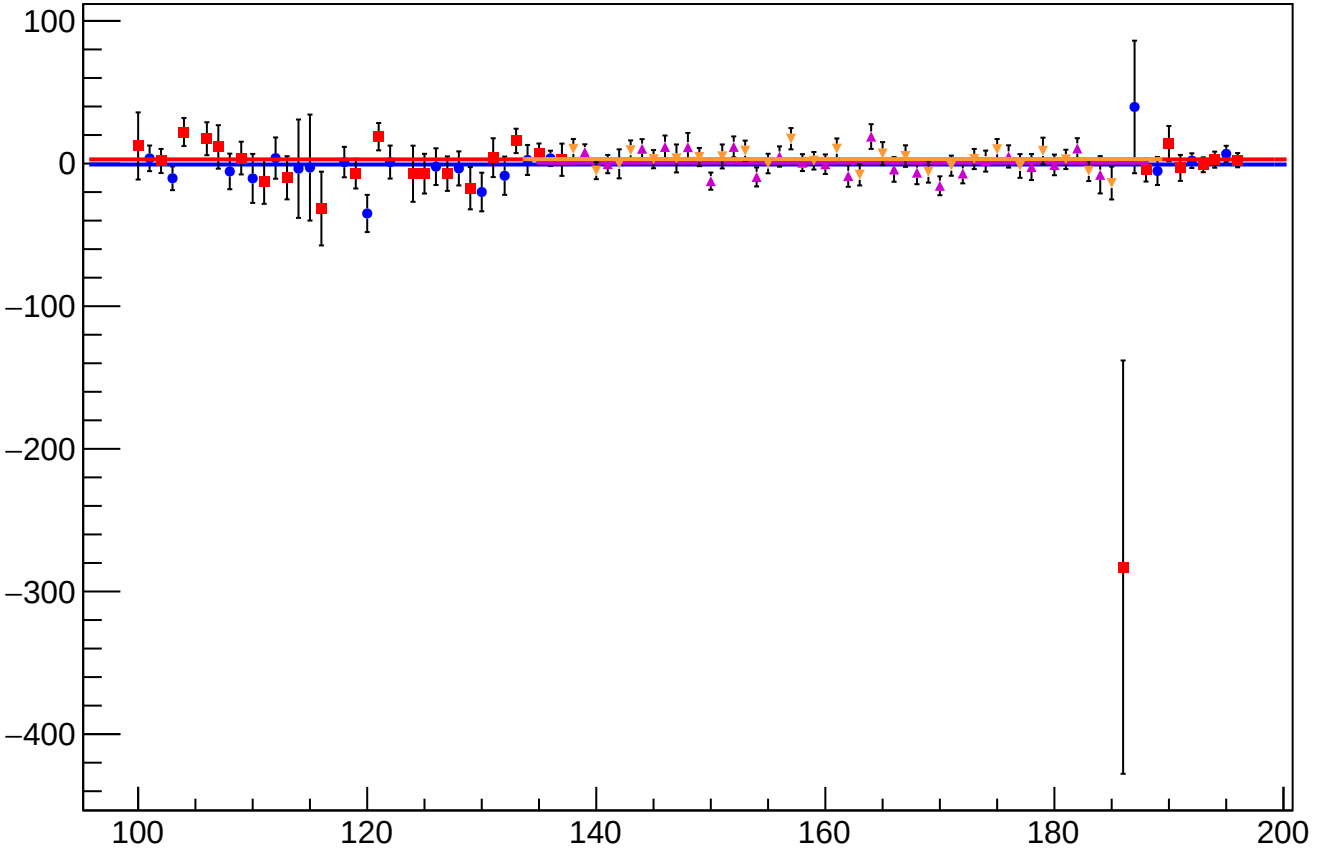
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 699.657+/-0.095 χ^2/NDF: 2886350.4/44

All: 681.047+/-0.066 χ^2/NDF: 7226165.7/93

- sign 664.374+/-0.090 χ^2/NDF: 4267508.0/48

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -0.661+/-2.169 χ^2/NDF: 15.3/19

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 2.920+/-1.876 χ^2/NDF: 25.5/25

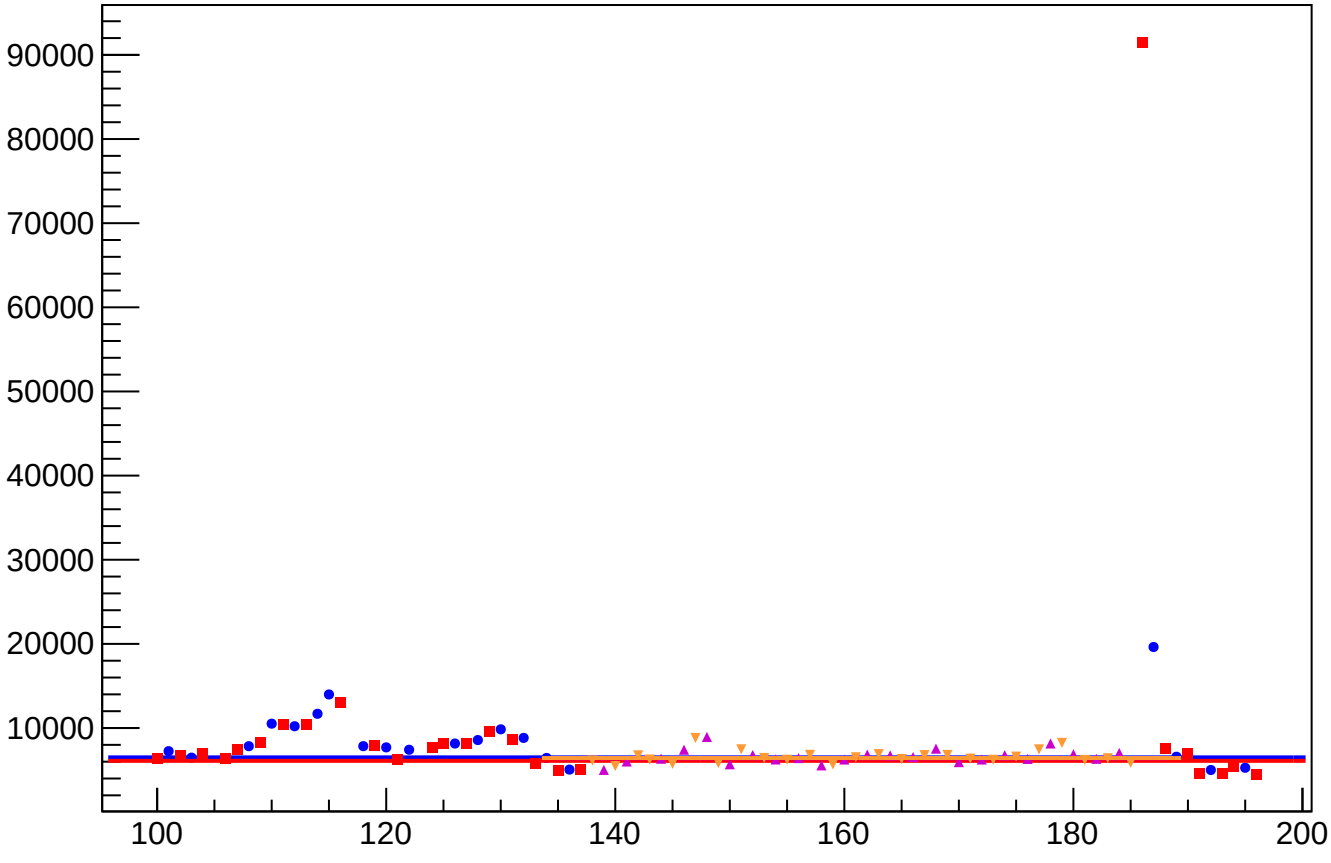
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.917+/-1.220 χ^2/NDF: 36.1/44

All: 1.693+/-0.847 χ^2/NDF: 96.2/93

- sign 1.483+/-1.178 χ^2/NDF: 60.0/48

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6512.121+/-1.534 χ^2/NDF: 1304820.2/19

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6102.271+/-1.327 χ^2/NDF: 2267324.2/25

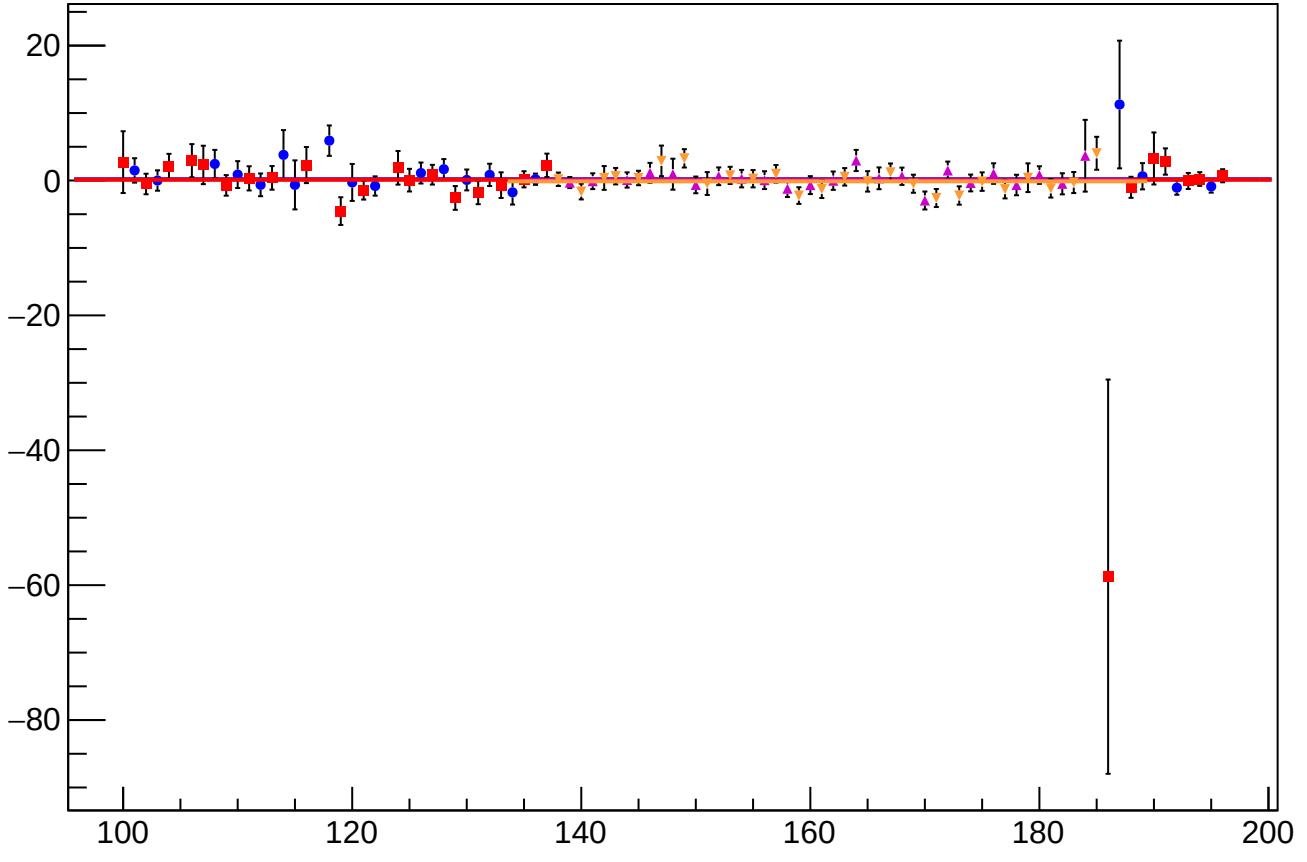
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6459.656+/-0.863 χ^2/NDF: 1723849.8/44

All: 6369.675+/-0.599 χ^2/NDF: 4568849.7/93

- sign 6285.913+/-0.833 χ^2/NDF: 2824008.6/48

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.183+/-0.347 χ^2/NDF: 16.9/19

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.109+/-0.325 χ^2/NDF: 24.6/25

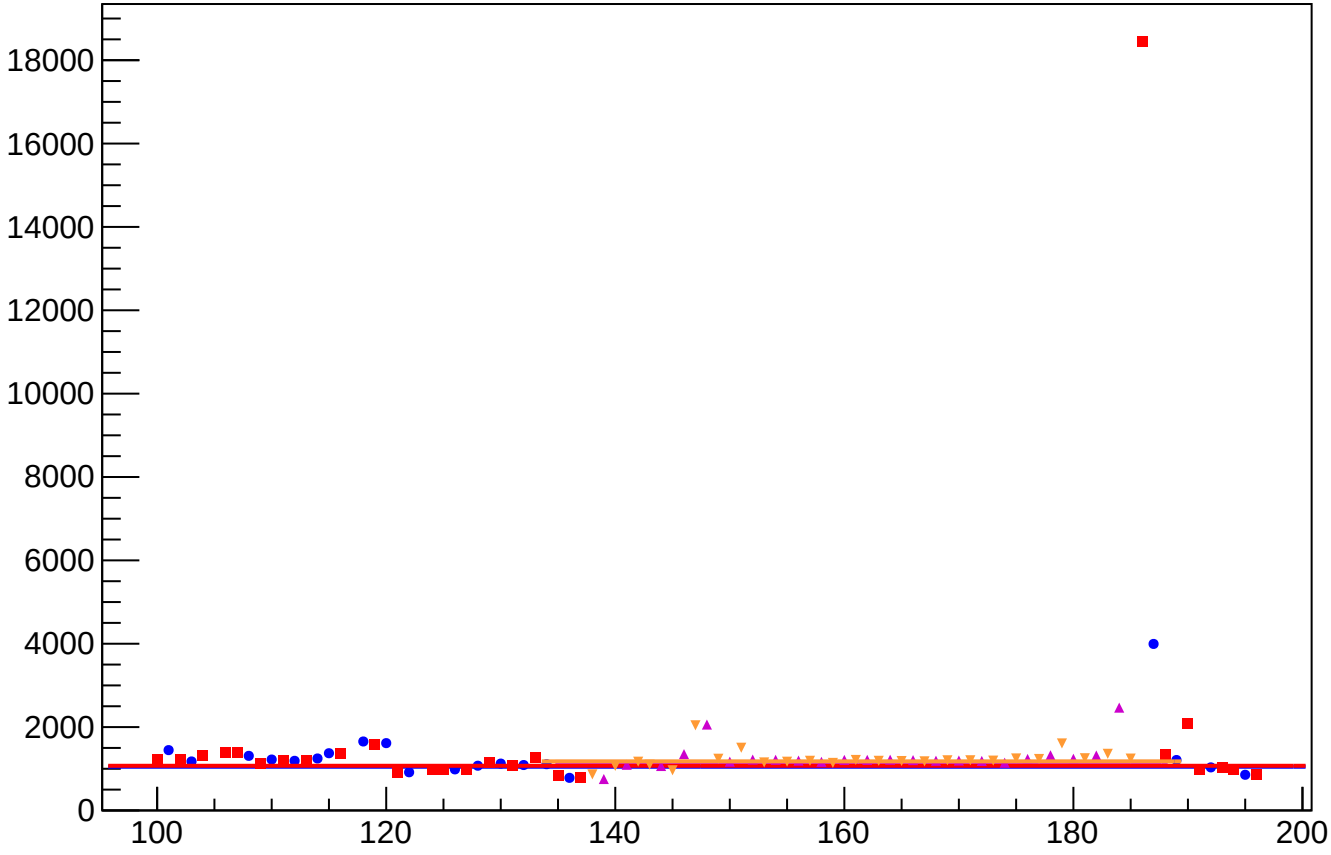
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.005+/-0.215 χ^2/NDF: 44.4/44

All: 0.029+/-0.151 χ^2/NDF: 83.5/93

- sign 0.063+/-0.212 χ^2/NDF: 39.1/48

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1049.019+/-0.246 χ^2/NDF: 952178.9/19

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

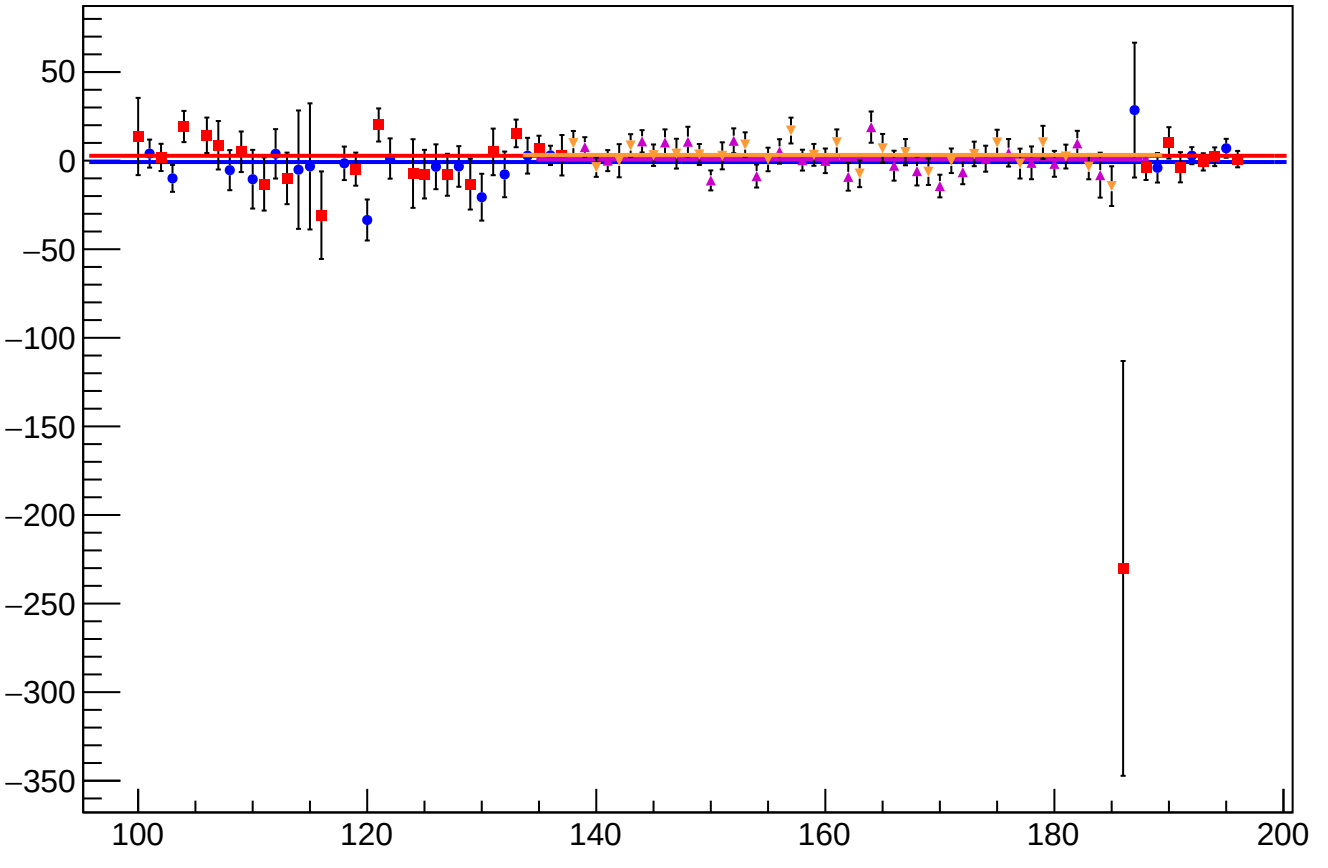
Right Out: 1071.888+/-0.230 χ^2/NDF: 1507151.6/25

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1128.491+/-0.152 χ^2/NDF: 1922738.6/44

All: 1126.660+/-0.107 χ^2/NDF: 4574651.9/93

- sign 1124.885+/-0.150 χ^2/NDF: 2651627.1/48



Right In: -0.791+/-2.039 χ^2/NDF: 17.1/19

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 2.735+/-1.743 χ^2/NDF: 25.8/25

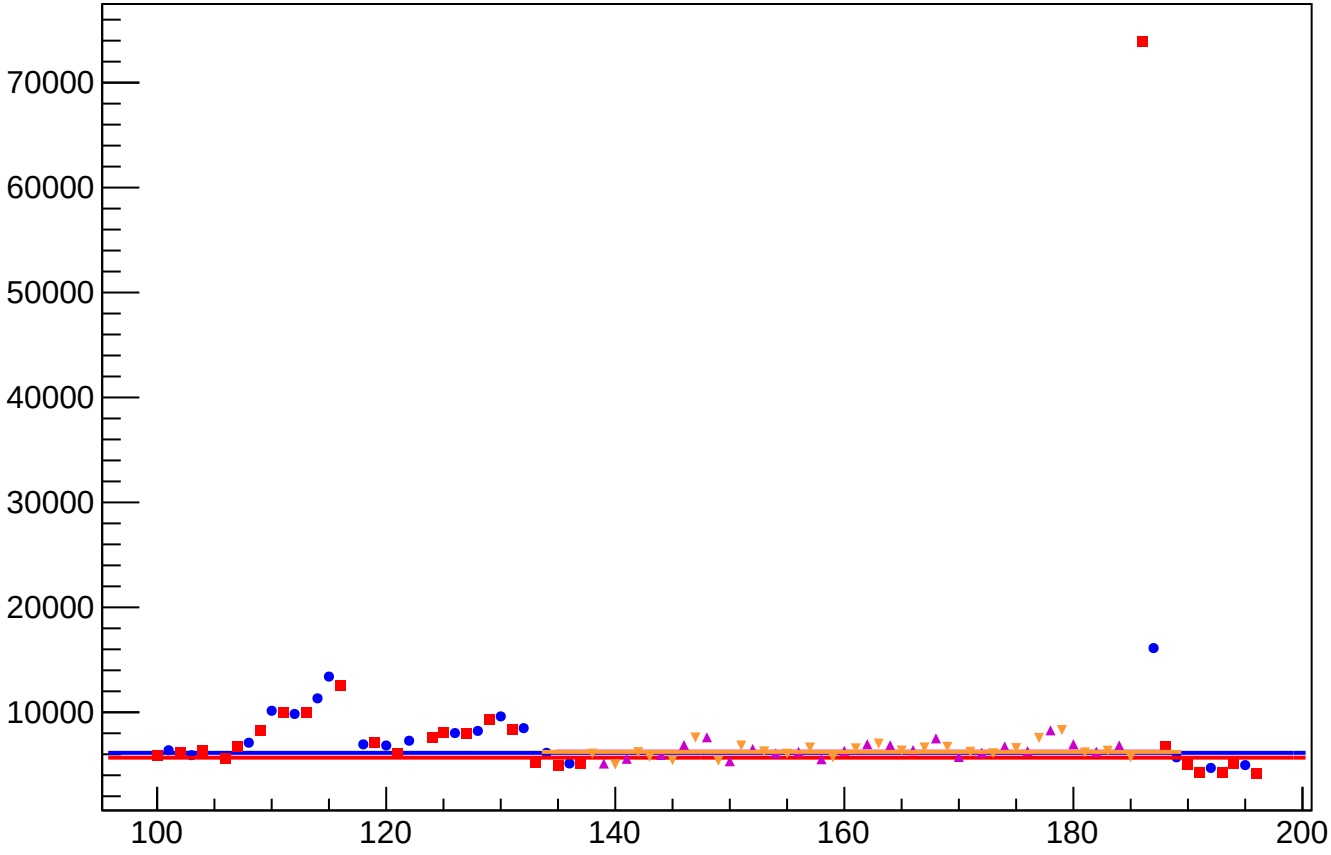
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.908+/-1.171 χ^2/NDF: 37.7/44

All: 1.711+/-0.811 χ^2/NDF: 96.7/93

- sign 1.529+/-1.125 χ^2/NDF: 59.0/48

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6137.380+/-1.442 χ^2/NDF: 1253140.6/19

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5679.448+/-1.232 χ^2/NDF: 2286776.7/25

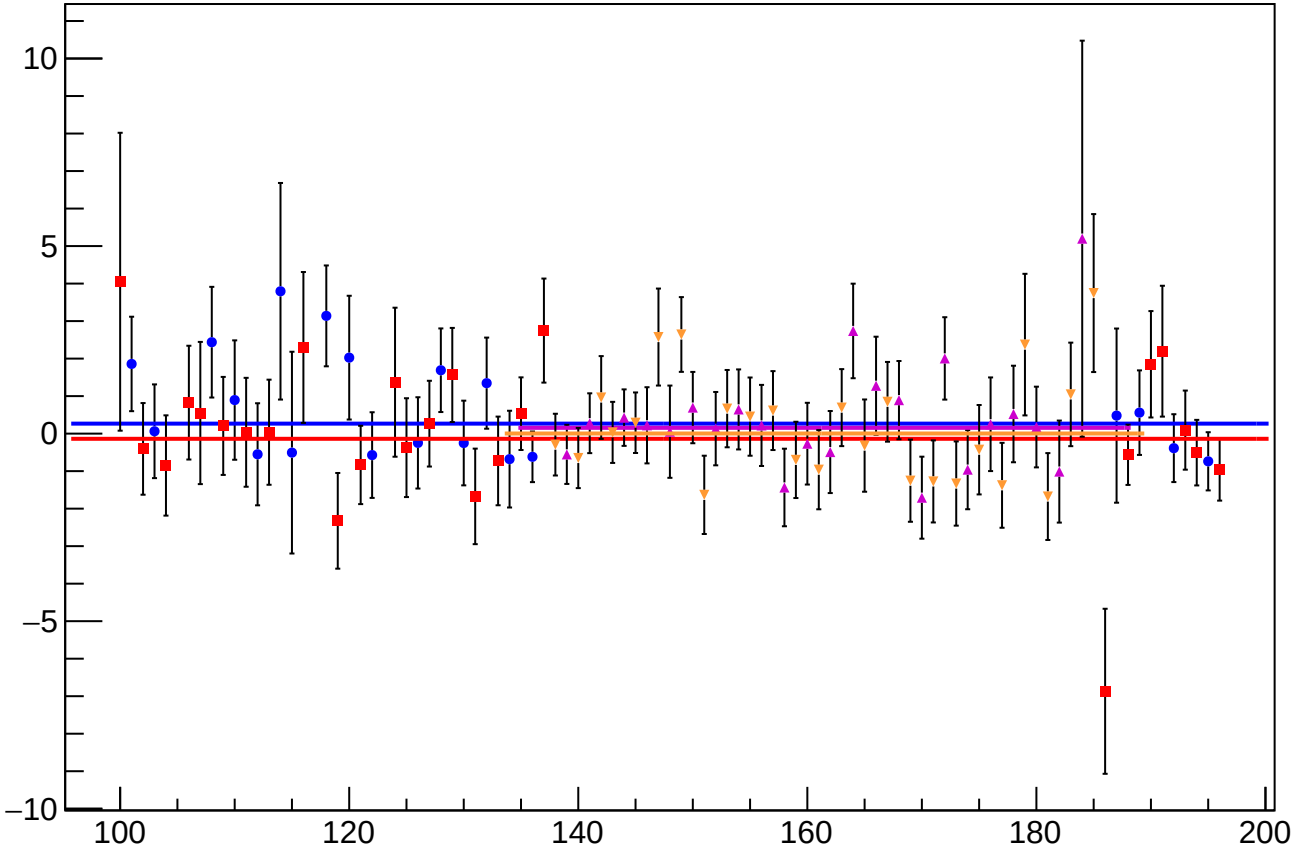
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6198.582+/-0.828 χ^2/NDF: 1726678.4/44

All: 6100.710+/-0.574 χ^2/NDF: 4648920.6/93

- sign 6010.268+/-0.796 χ^2/NDF: 2895343.5/48

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.266+/-0.265 χ^2/NDF: 19.5/19

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.138+/-0.244 χ^2/NDF: 30.6/25

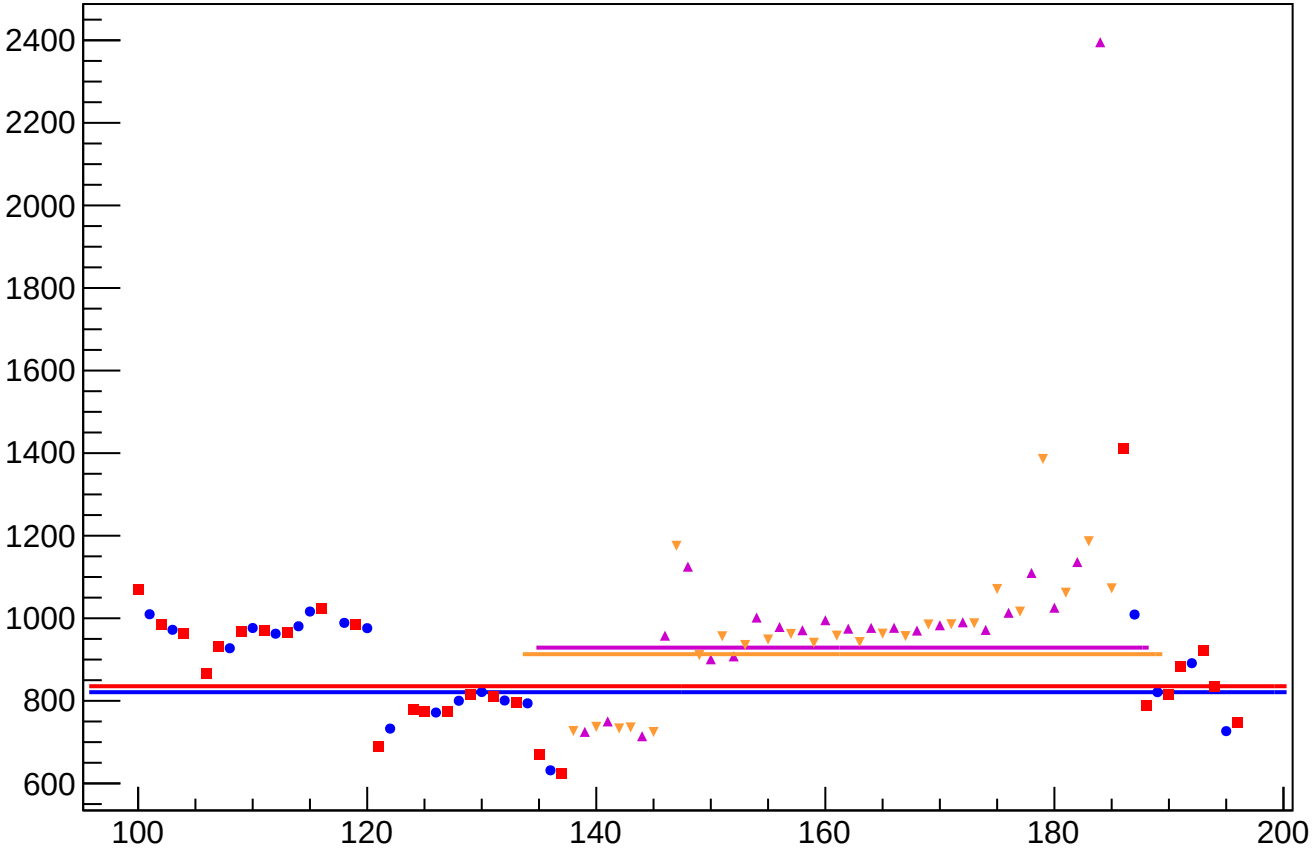
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.106+/-0.166 χ^2/NDF: 51.7/44

All: 0.064+/-0.116 χ^2/NDF: 101.6/93

- sign 0.023+/-0.164 χ^2/NDF: 49.8/48

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 820.963+/-0.188 χ^2/NDF: 420457.4/19

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 835.407+/-0.173 χ^2/NDF: 502331.2/25

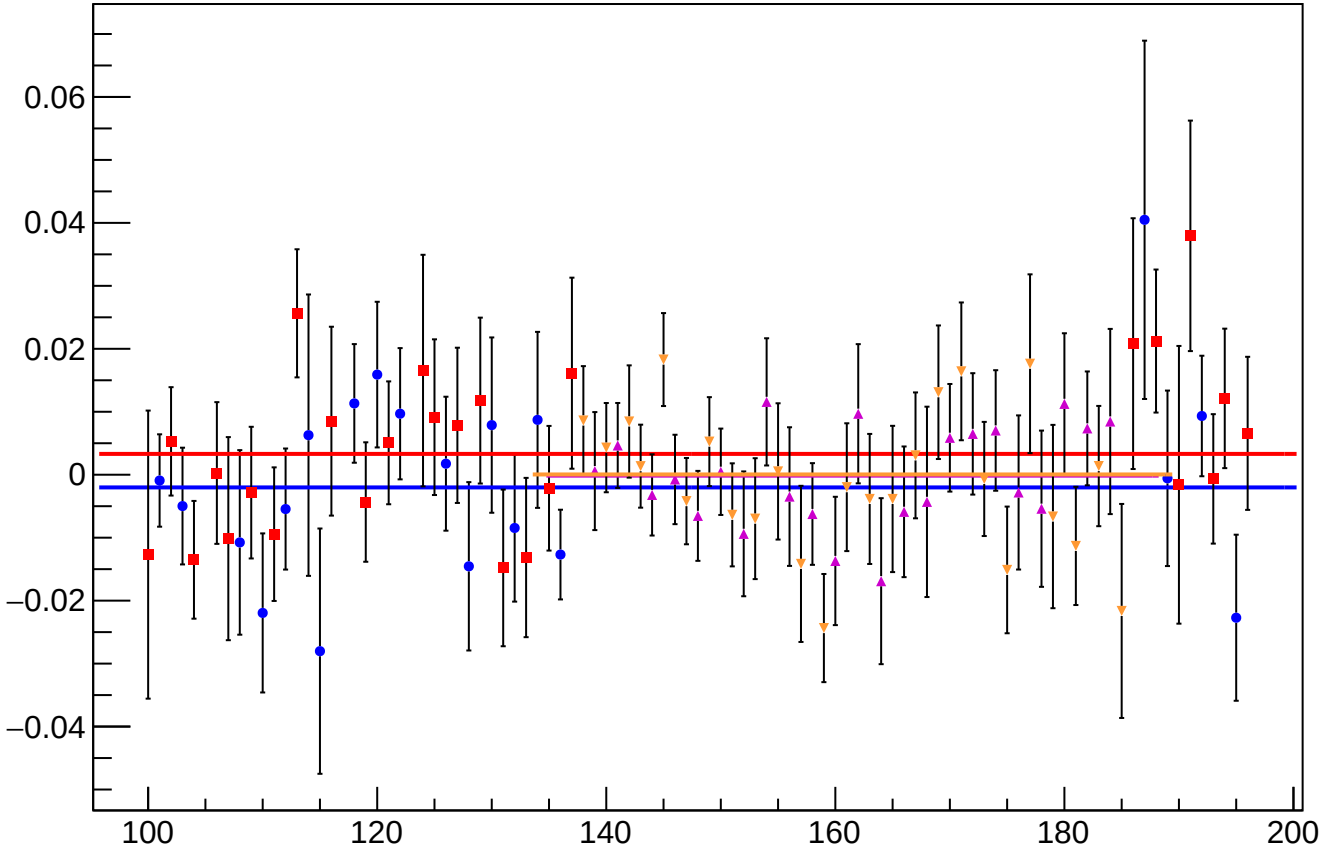
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 877.188+/-0.117 χ^2/NDF: 1456836.7/44

All: 882.050+/-0.082 χ^2/NDF: 2892740.8/93

- sign 886.814+/-0.116 χ^2/NDF: 1432490.2/48

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 21.4/19

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 25.8/25

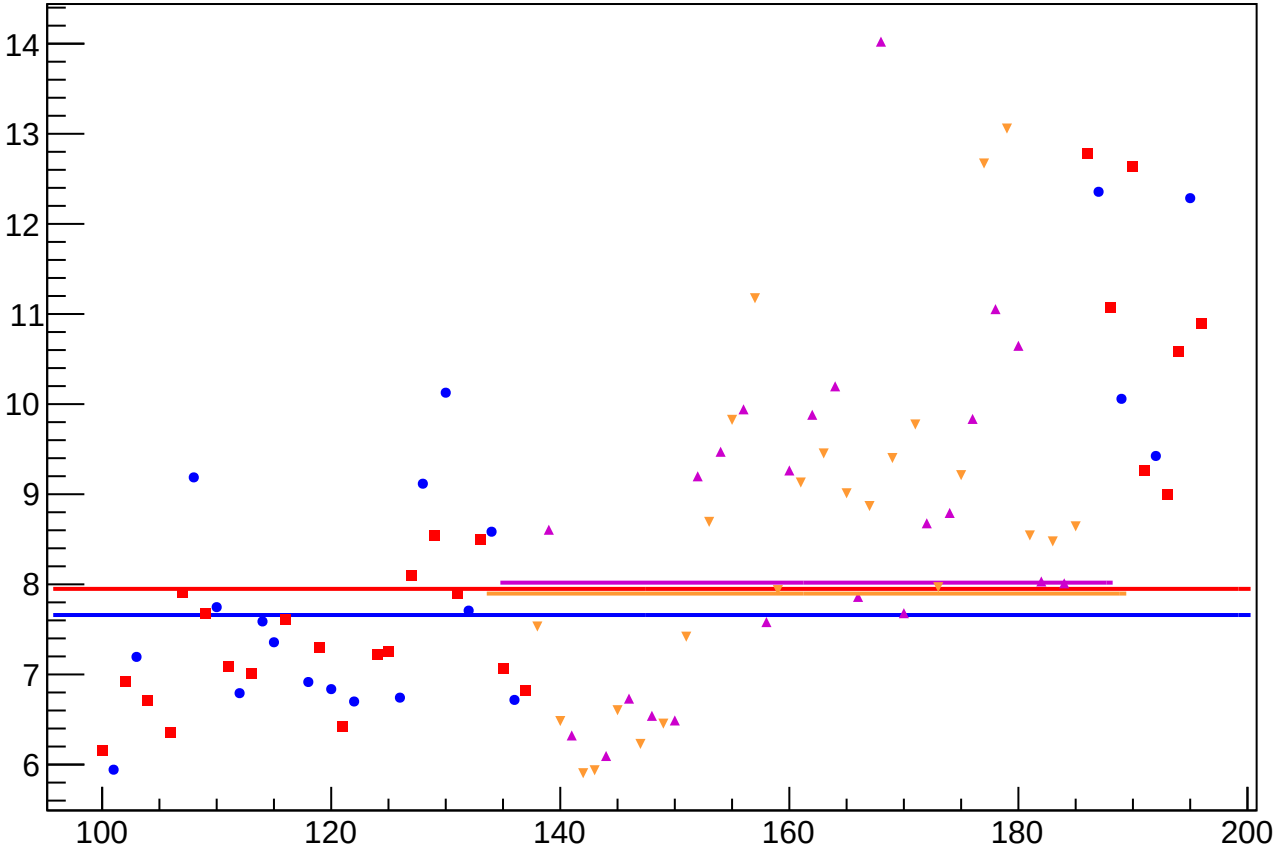
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.001 χ^2/NDF: 53.0/44

All: 0.000+/-0.001 χ^2/NDF: 93.7/93

- sign 0.001+/-0.001 χ^2/NDF: 39.9/48

diff_dispE_bpm12X_rms vs Slug



Right In: 7.660+/-0.002 χ^2/NDF: 765679.5/19

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

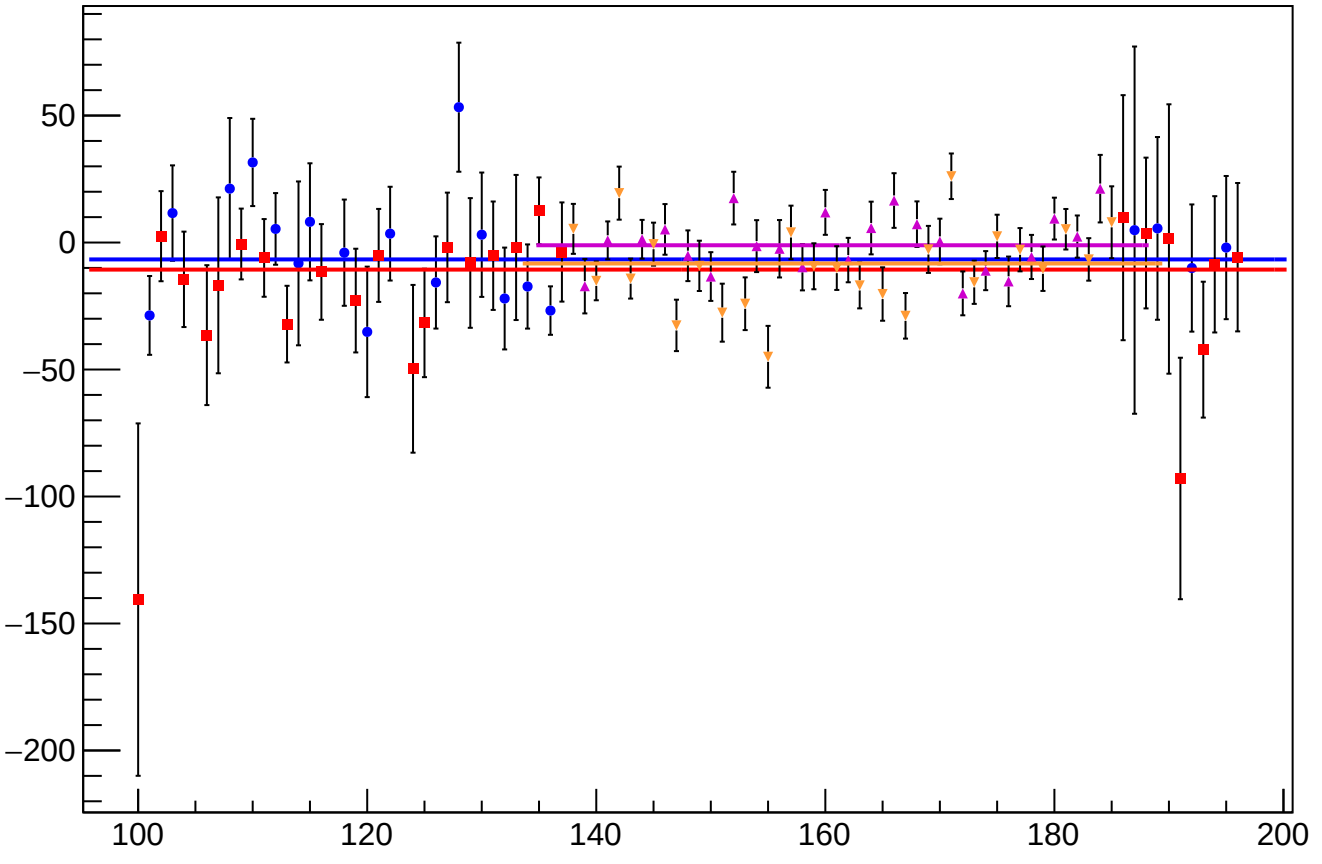
Right Out: 7.950+/-0.002 χ^2/NDF: 870936.4/25

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

\+ sign 7.814+/-0.001 χ^2/NDF: 2368238.5/44

All: 7.903+/-0.001 χ^2/NDF: 4710173.9/93

\- sign 7.991+/-0.001 χ^2/NDF: 2327688.7/48



Right In: -6.647+/-4.325 χ^2/NDF: 23.2/19

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -10.656+/-4.251 χ^2/NDF: 18.9/25

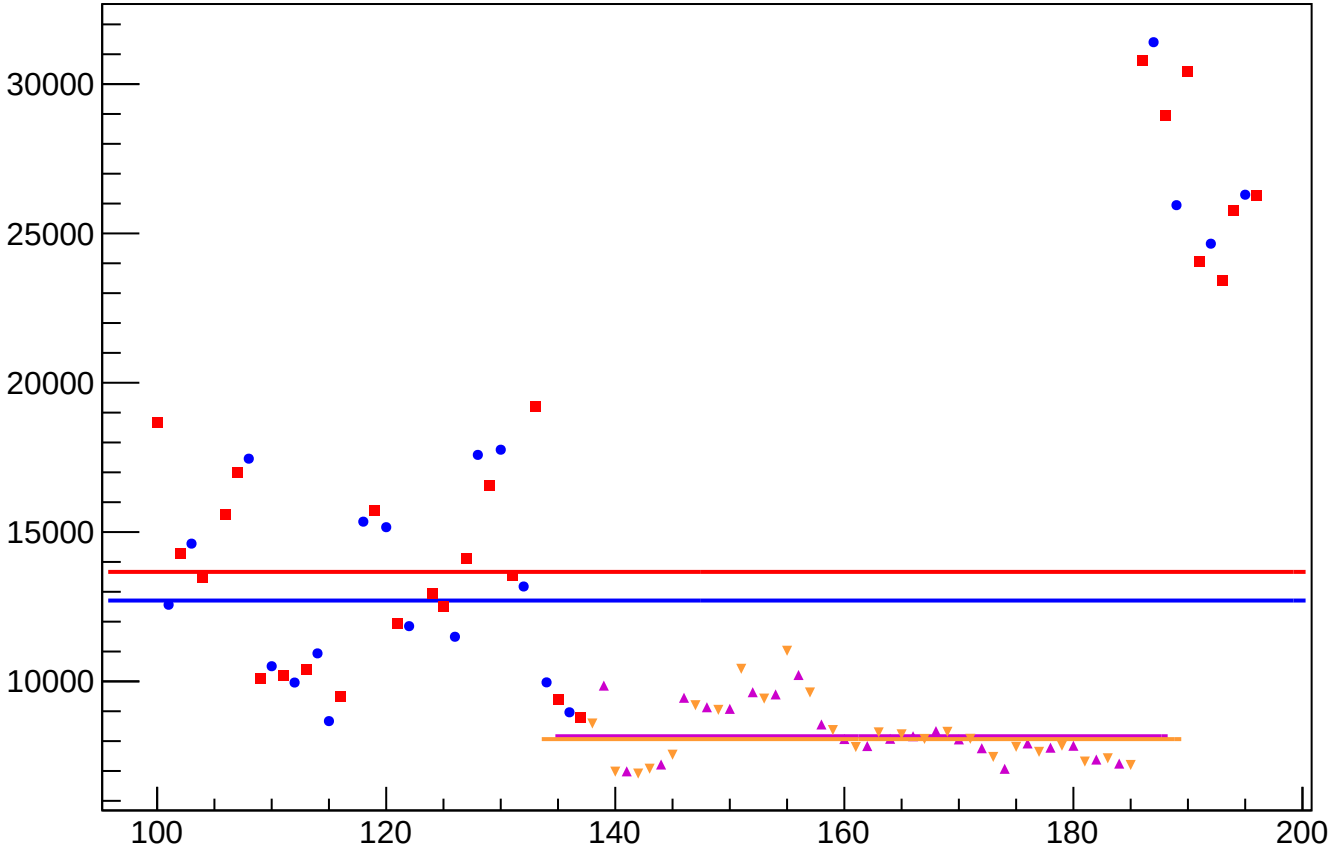
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

\+ sign -8.008+/-1.700 χ^2/NDF: 85.5/44

All: -5.429+/-1.220 χ^2/NDF: 142.2/93

\- sign -2.697+/-1.750 χ^2/NDF: 52.0/48

diff_targ_positionX_rms vs Slug



Right In: 12707.105+/-3.058 χ^2/NDF: 2165490.5/19

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

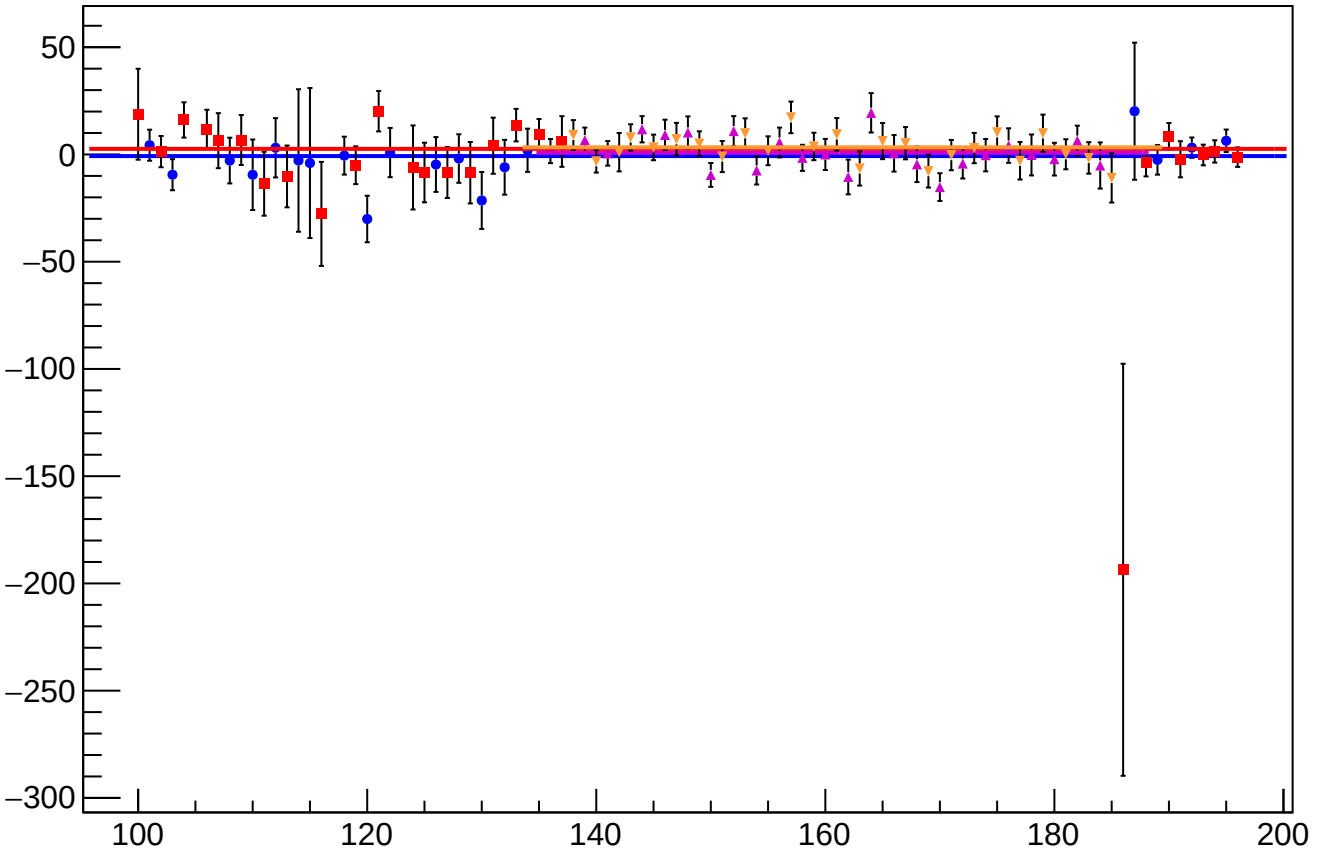
Right Out: 13666.461+/-3.006 χ^2/NDF: 3072169.2/25

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8784.014+/-1.202 χ^2/NDF: 4609958.2/44

All: 8935.658+/-0.862 χ^2/NDF: 10929989.2/9

- sign 9096.346+/-1.238 χ^2/NDF: 6287272.3/48



Right In: -0.759+/-1.973 χ^2/NDF: 15.7/19

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

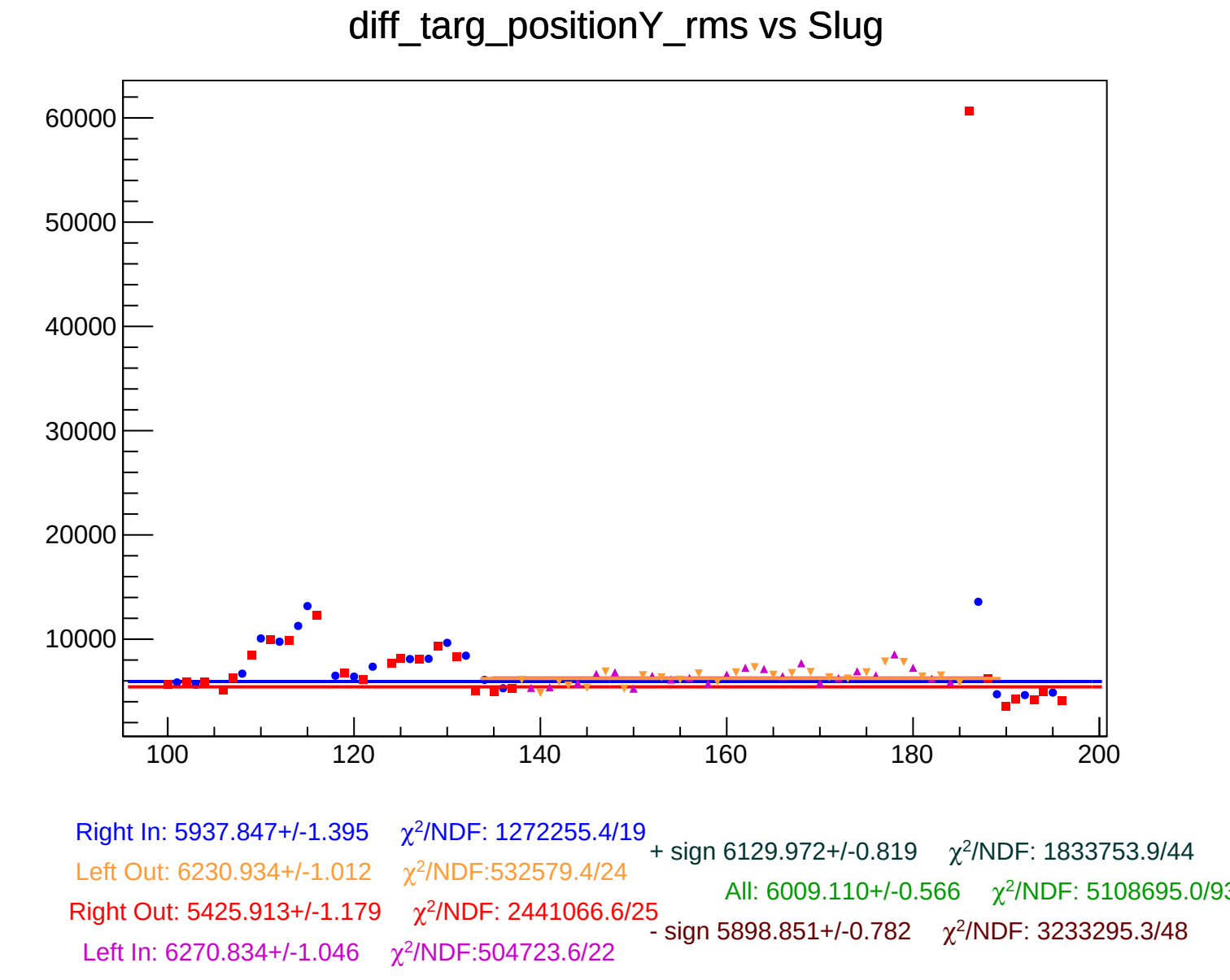
Right Out: 2.608+/-1.667 χ^2/NDF: 25.3/25

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

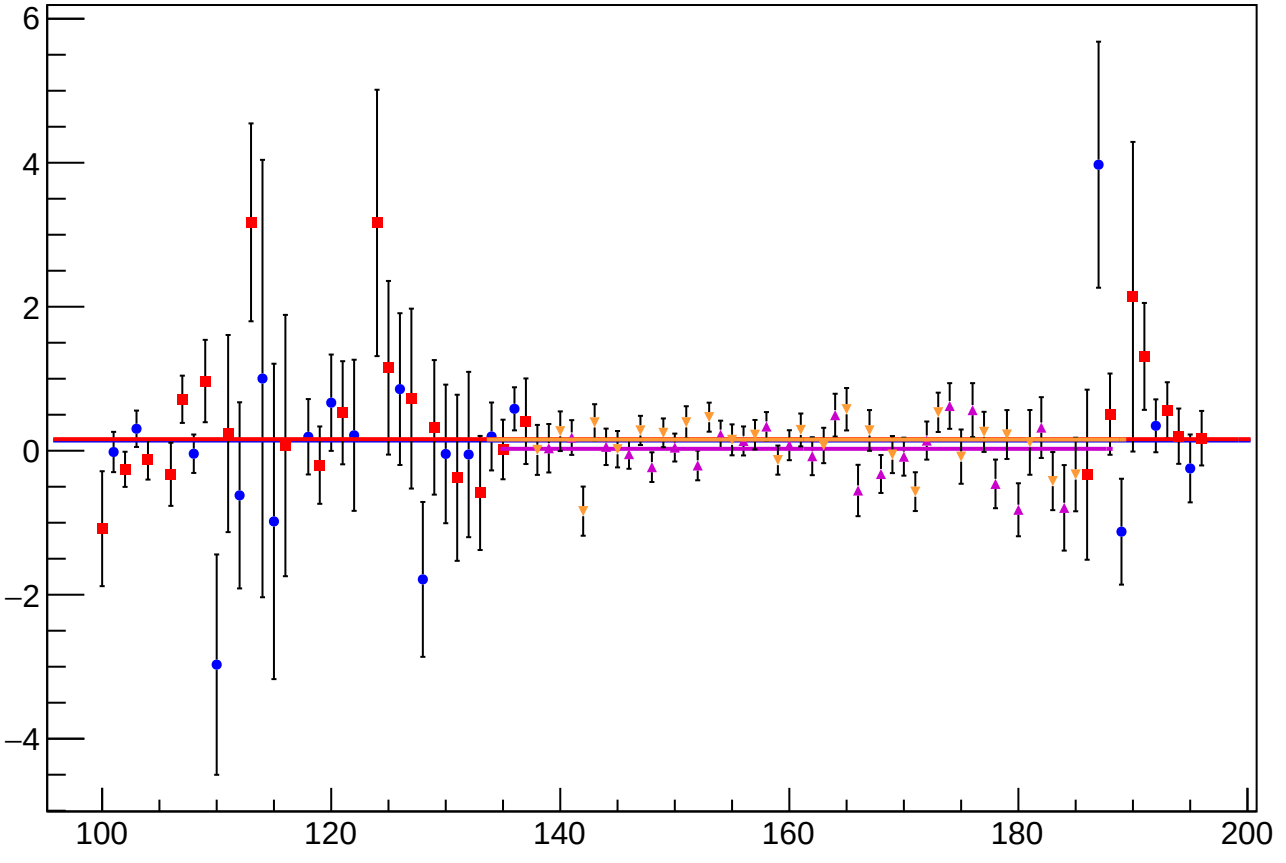
+ sign 1.921+/-1.158 χ^2/NDF: 35.4/44

All: 1.750+/-0.800 χ^2/NDF: 90.8/93

- sign 1.594+/-1.106 χ^2/NDF: 55.4/48


diff_targ_positionY_rms vs Slug
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5937.847+/-1.395 χ²/NDF: 1272255.4/19
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5425.913+/-1.179 χ²/NDF: 2441066.6/25
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
+ sign 6129.972+/-0.819 χ²/NDF: 1833753.9/44
All: 6009.110+/-0.566 χ²/NDF: 5108695.0/93
- sign 5898.851+/-0.782 χ²/NDF: 3233295.3/48

diff_targ_thetaX_mean vs Slug



Right In: 0.142+/-0.109 χ^2/NDF: 21.6/19

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.161+/-0.102 χ^2/NDF: 27.9/25

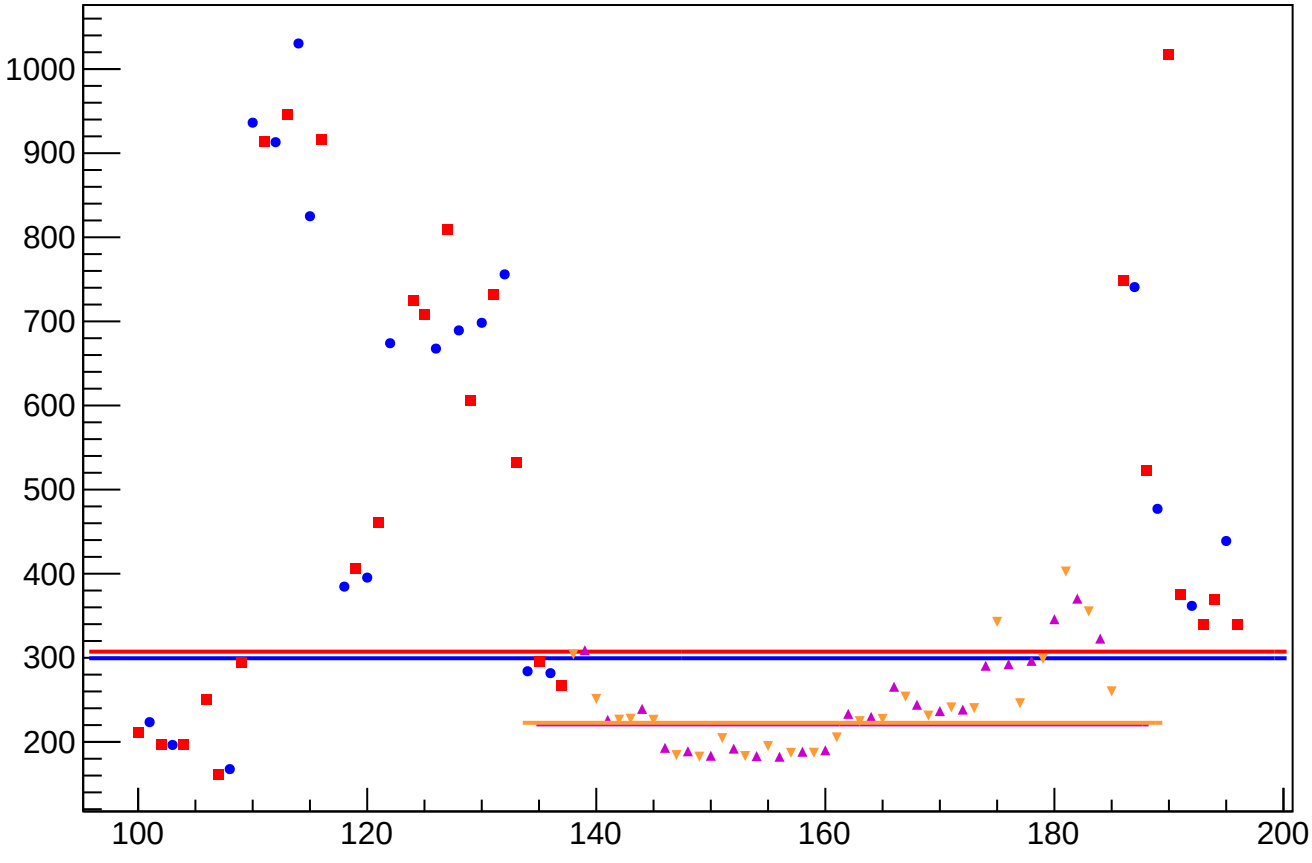
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.153+/-0.047 χ^2/NDF: 53.9/44

All: 0.104+/-0.033 χ^2/NDF: 115.1/93

- sign 0.055+/-0.047 χ^2/NDF: 59.1/48

diff_targ_thetaX_rms vs Slug



Right In: 299.454+/-0.077 χ^2/NDF: 4003616.9/19

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 307.320+/-0.072 χ^2/NDF: 4585603.9/25

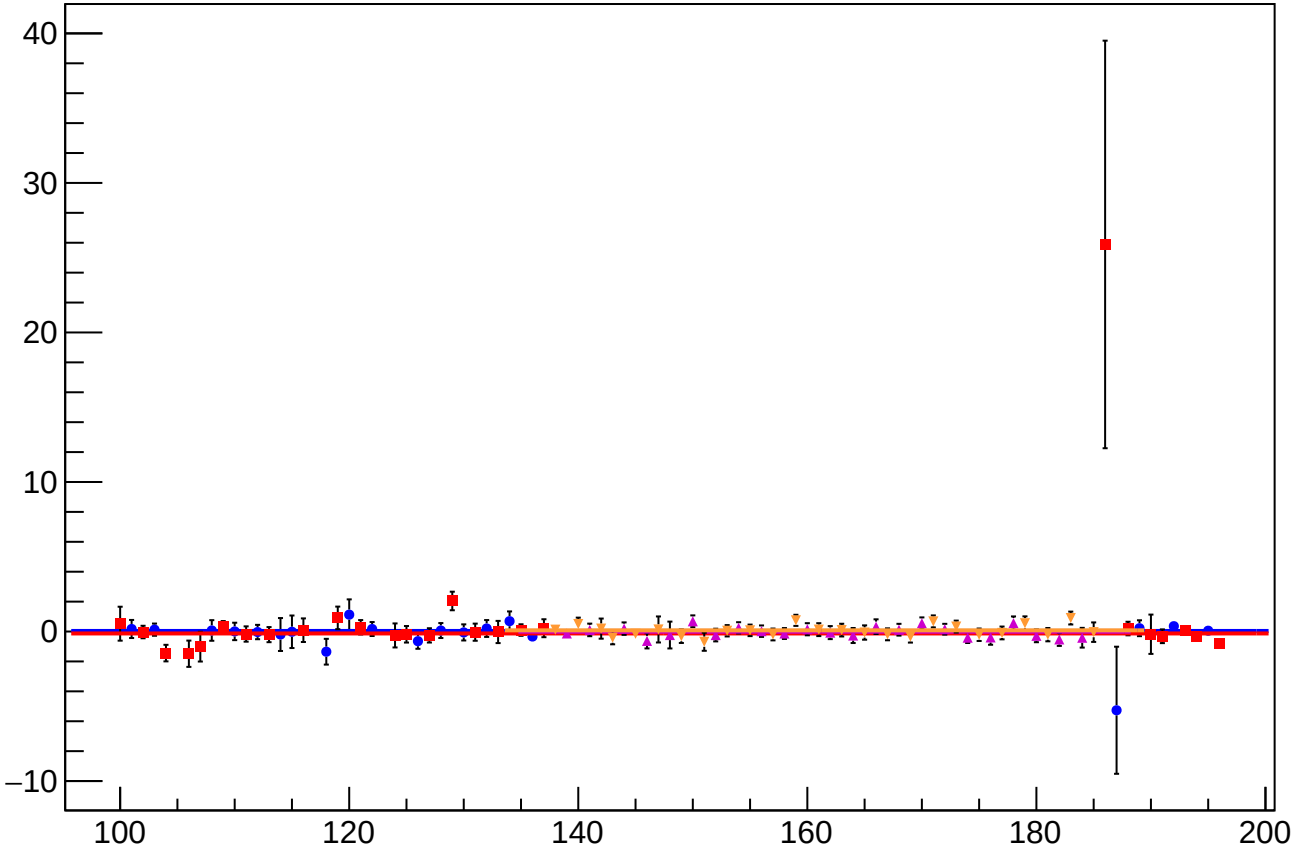
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 236.894+/-0.033 χ^2/NDF: 6261715.9/44

All: 238.029+/-0.023 χ^2/NDF: 13454055.4/93

- sign 239.171+/-0.033 χ^2/NDF: 7189985.2/48

diff_targ_thetaY_mean vs Slug



Right In: 0.038+/-0.106 χ^2/NDF: 11.8/19

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.129+/-0.095 χ^2/NDF: 37.6/25

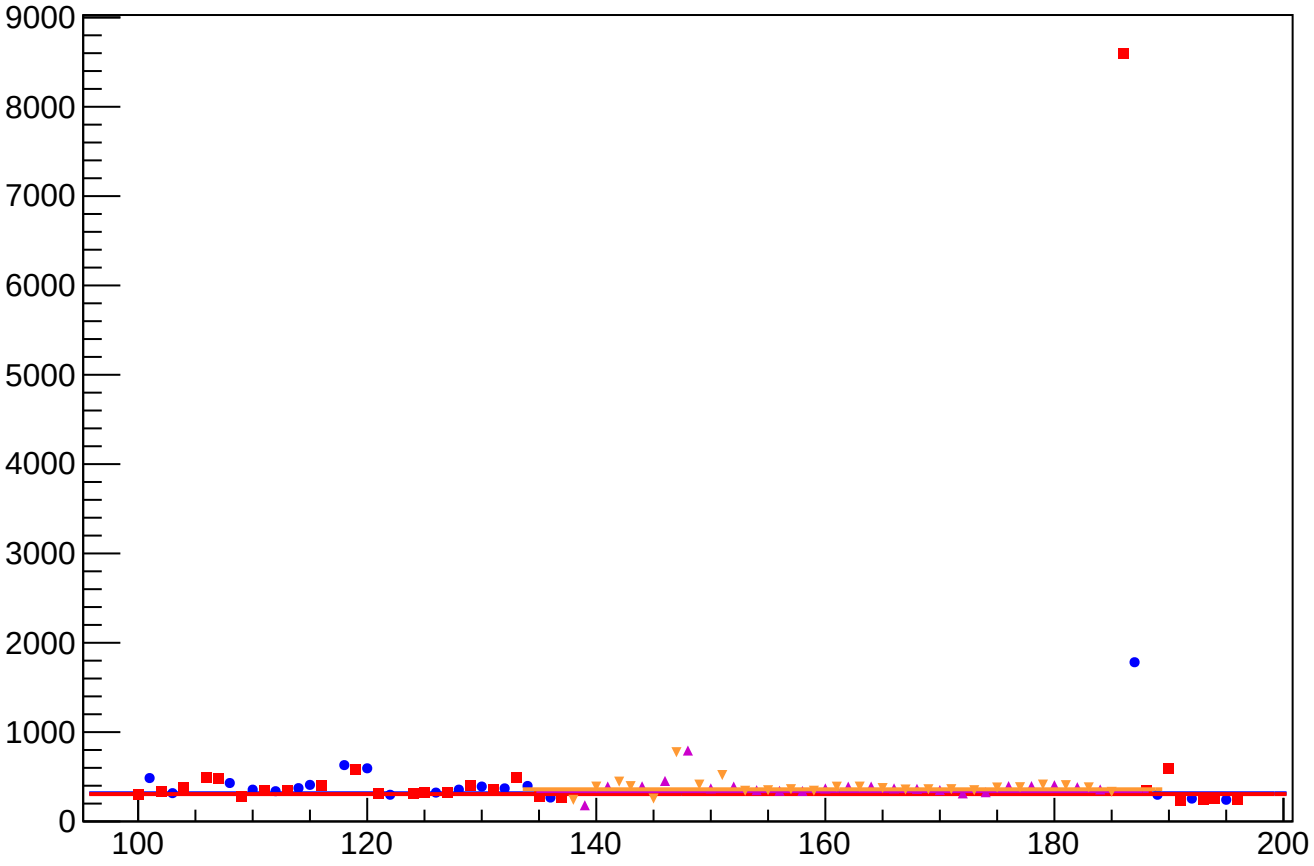
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.063+/-0.066 χ^2/NDF: 30.9/44

All: -0.002+/-0.045 χ^2/NDF: 86.5/93

- sign -0.060+/-0.062 χ^2/NDF: 53.8/48

diff_targ_thetaY_rms vs Slug



Right In: 315.300+/-0.075 χ^2/NDF: 1328855.7/19

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

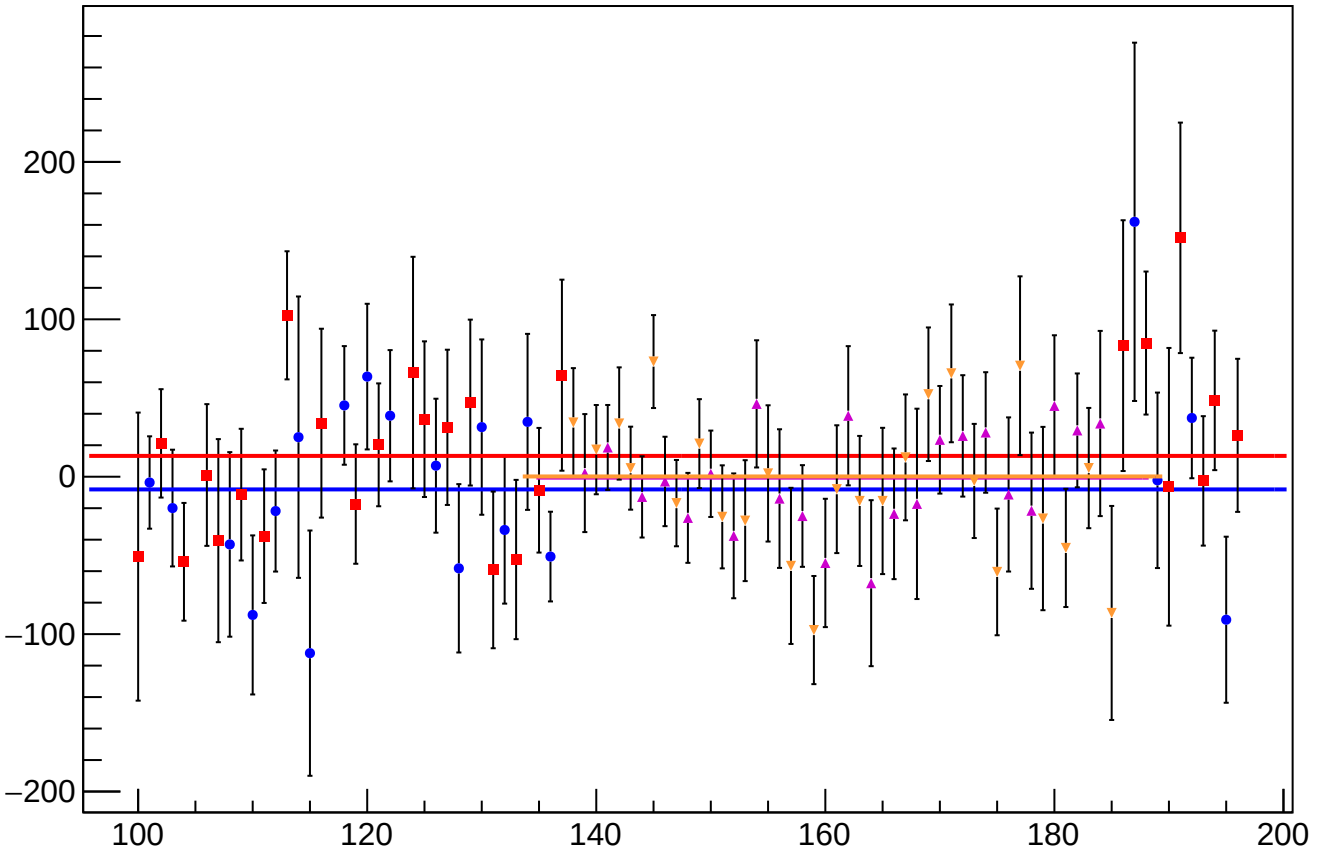
Right Out: 306.162+/-0.067 χ^2/NDF: 1898409.3/25

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 342.717+/-0.047 χ^2/NDF: 2886350.4/44

All: 333.601+/-0.032 χ^2/NDF: 7226165.7/93

- sign 325.434+/-0.044 χ^2/NDF: 4267508.0/48



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

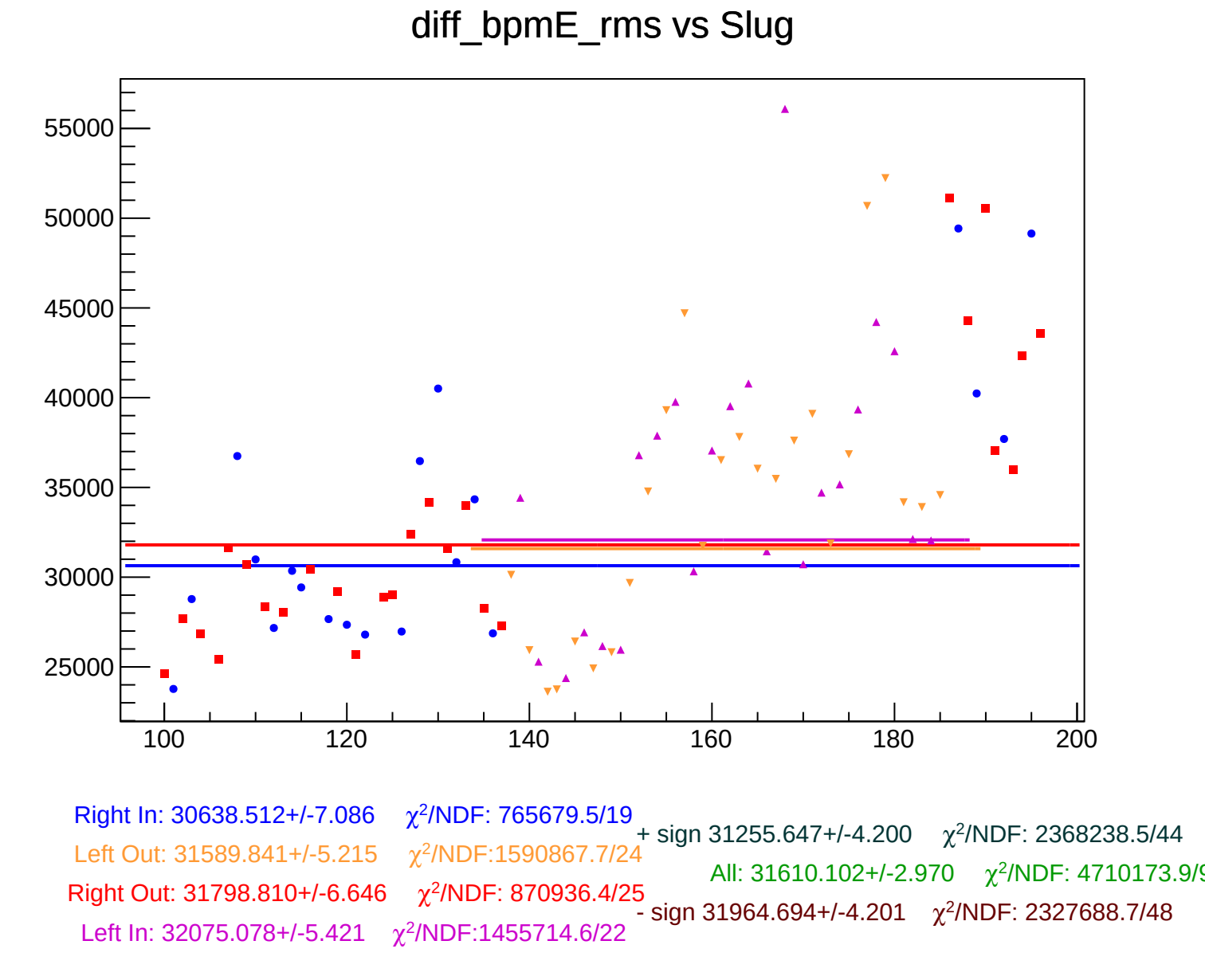
Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

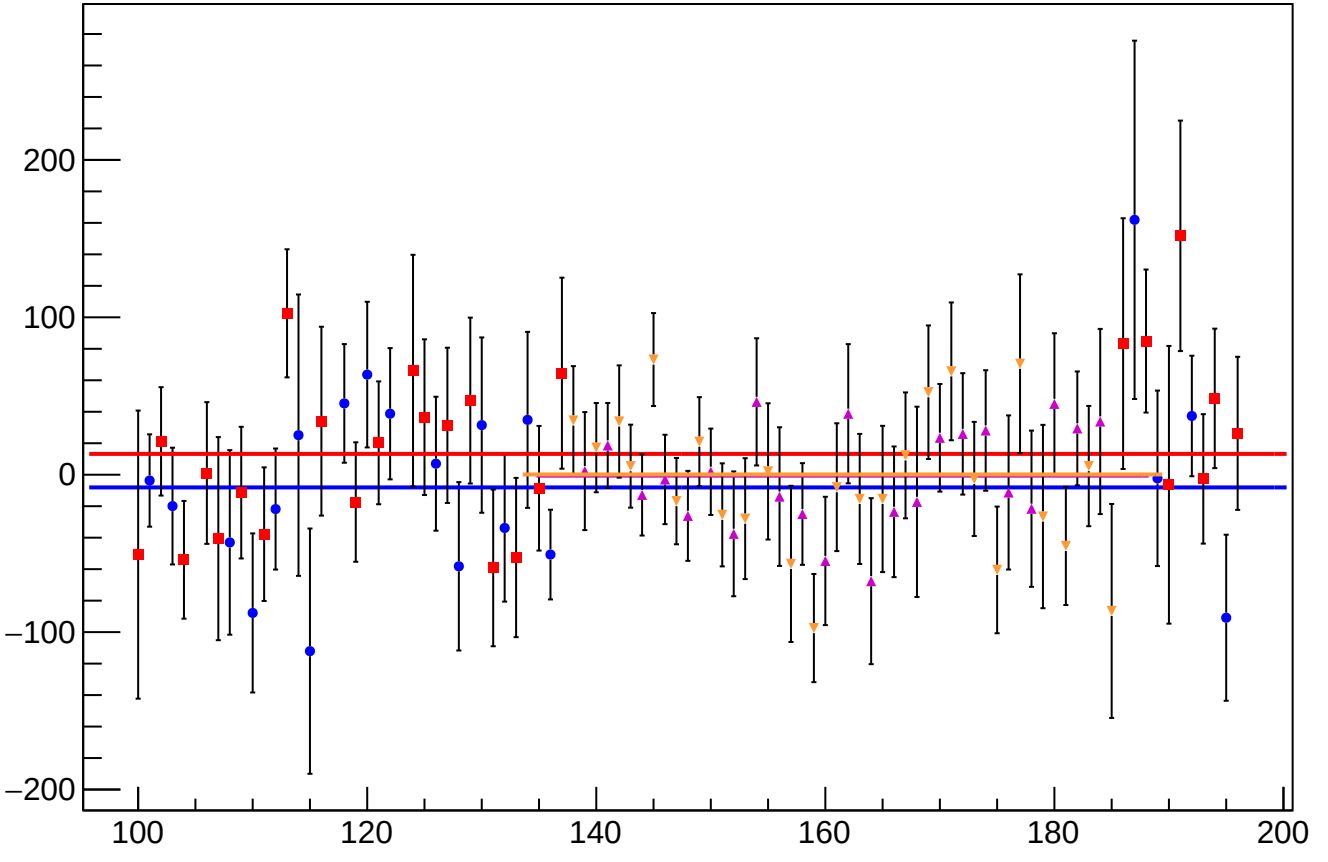
+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 1.103+/-4.201 χ^2/NDF: 93.7/93

- 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: 30638.512+/-7.086 χ²/NDF: 765679.5/19
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 31255.647+/-4.200 χ²/NDF: 2368238.5/44
All: 31610.102+/-2.970 χ²/NDF: 4710173.9/9
- sign 31964.694+/-4.201 χ²/NDF: 2327688.7/48

diff_bpmEX_mean vs Slug



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

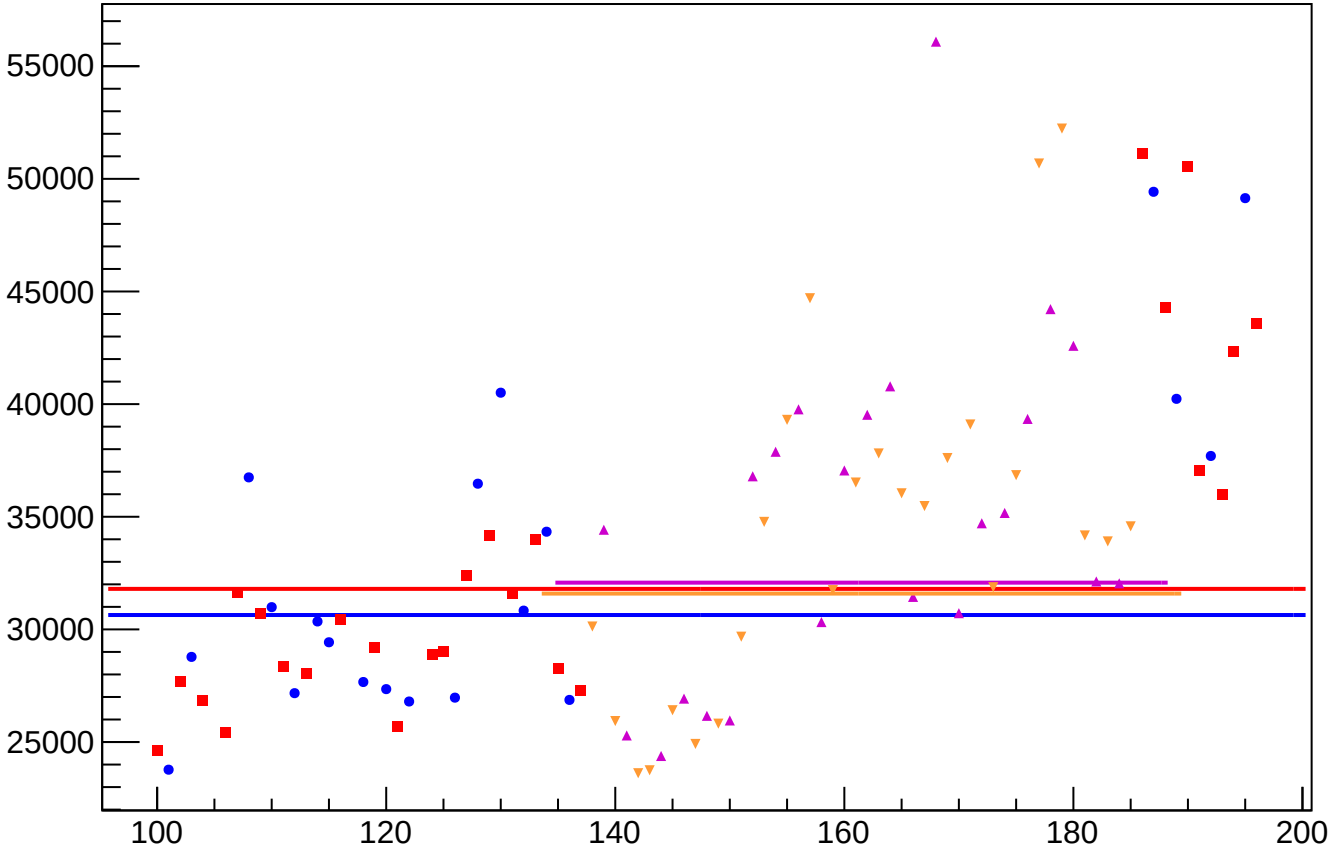
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 1.103+/-4.201 χ^2/NDF: 93.7/93

- sign 4.932+/-5.941 χ^2/NDF: 39.9/48

diff_bpmEX_rms vs Slug



Right In: 30638.512+/-7.086 χ^2/NDF: 765679.5/19

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 31798.810+/-6.646 χ^2/NDF: 870936.4/25

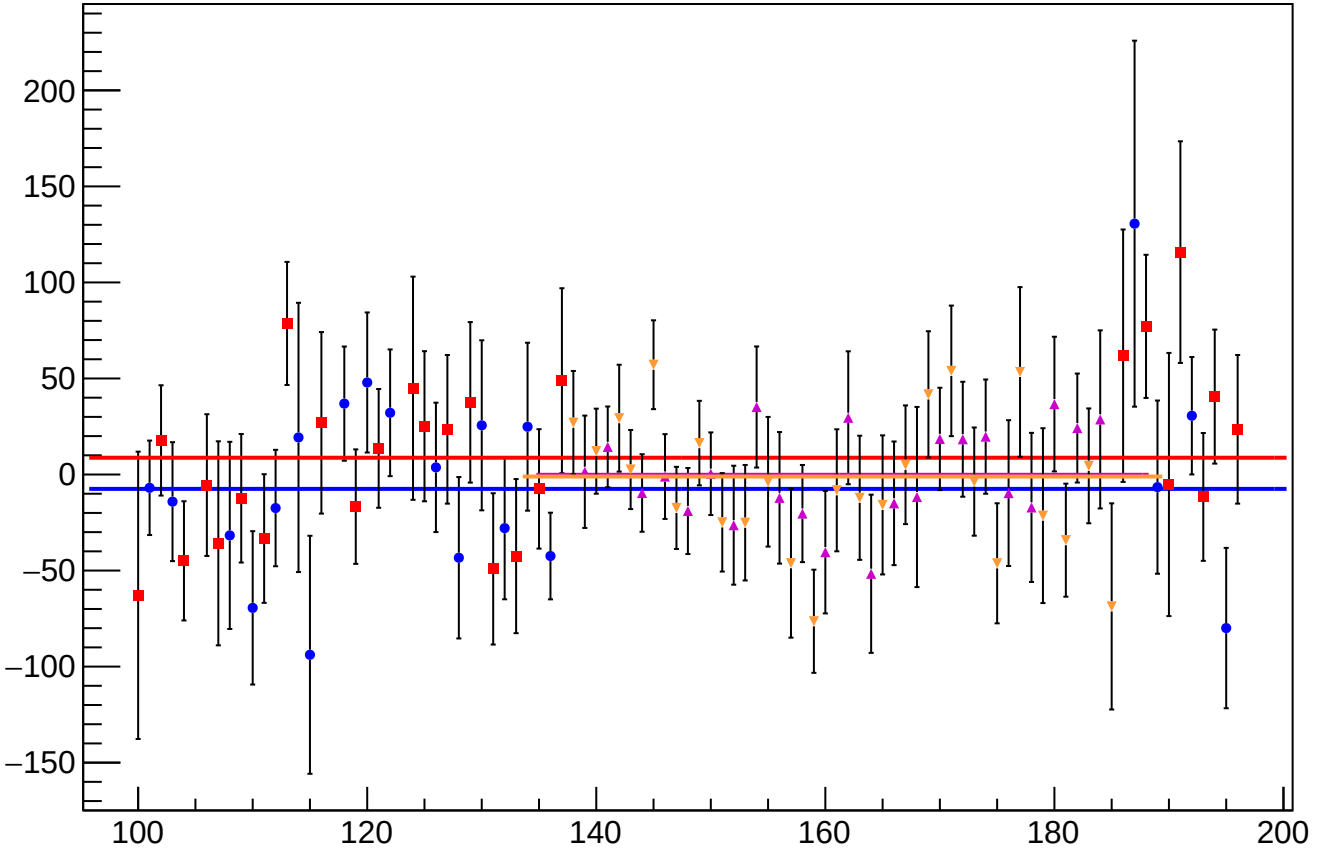
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31255.647+/-4.200 χ^2/NDF: 2368238.5/44

All: 31610.102+/-2.970 χ^2/NDF: 4710173.9/9

- sign 31964.694+/-4.201 χ^2/NDF: 2327688.7/48

diff_bpmE_11X12X_mean vs Slug



Right In: -7.481+/-8.026 χ^2/NDF: 22.2/19

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

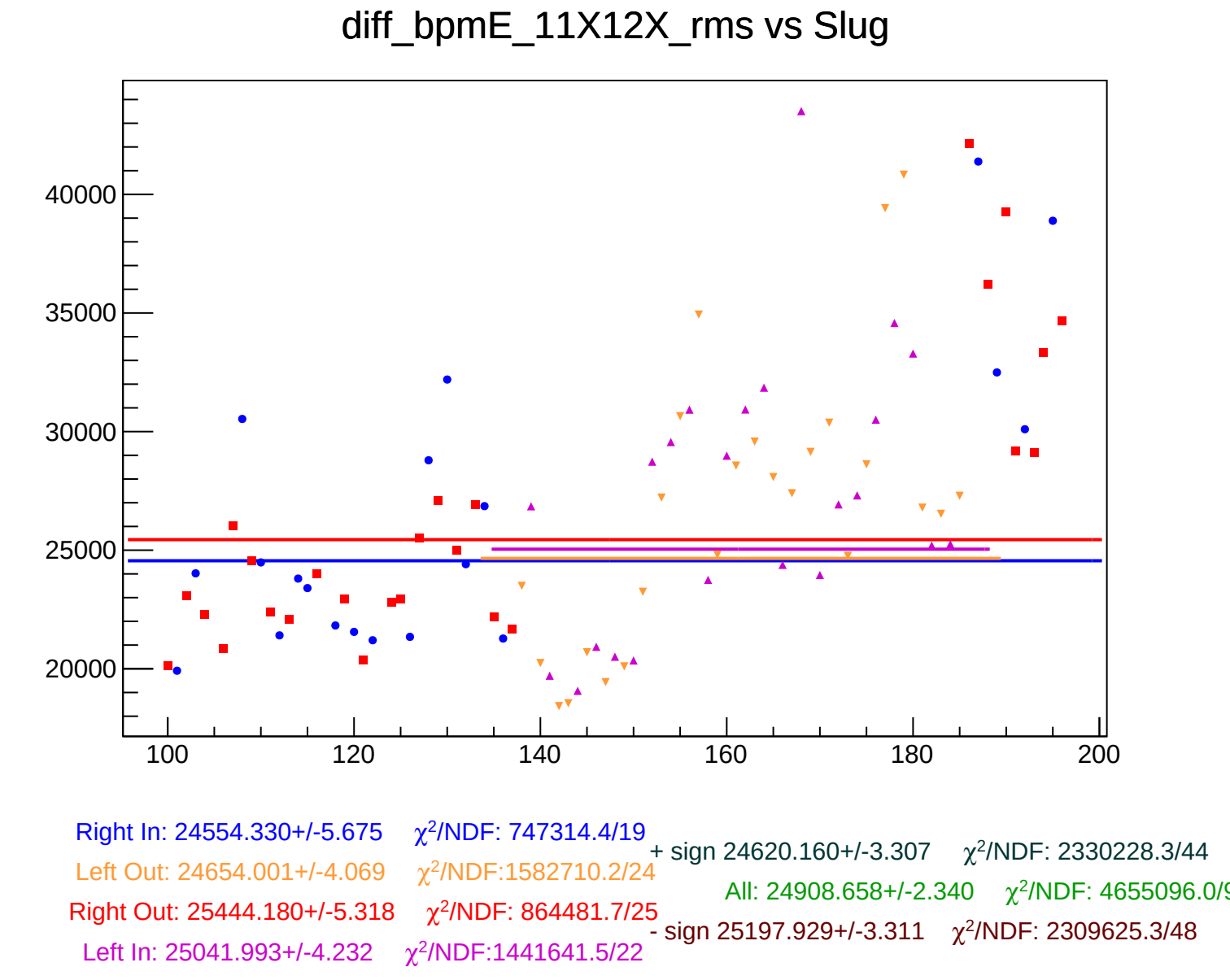
Right Out: 8.741+/-7.521 χ^2/NDF: 27.3/25

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

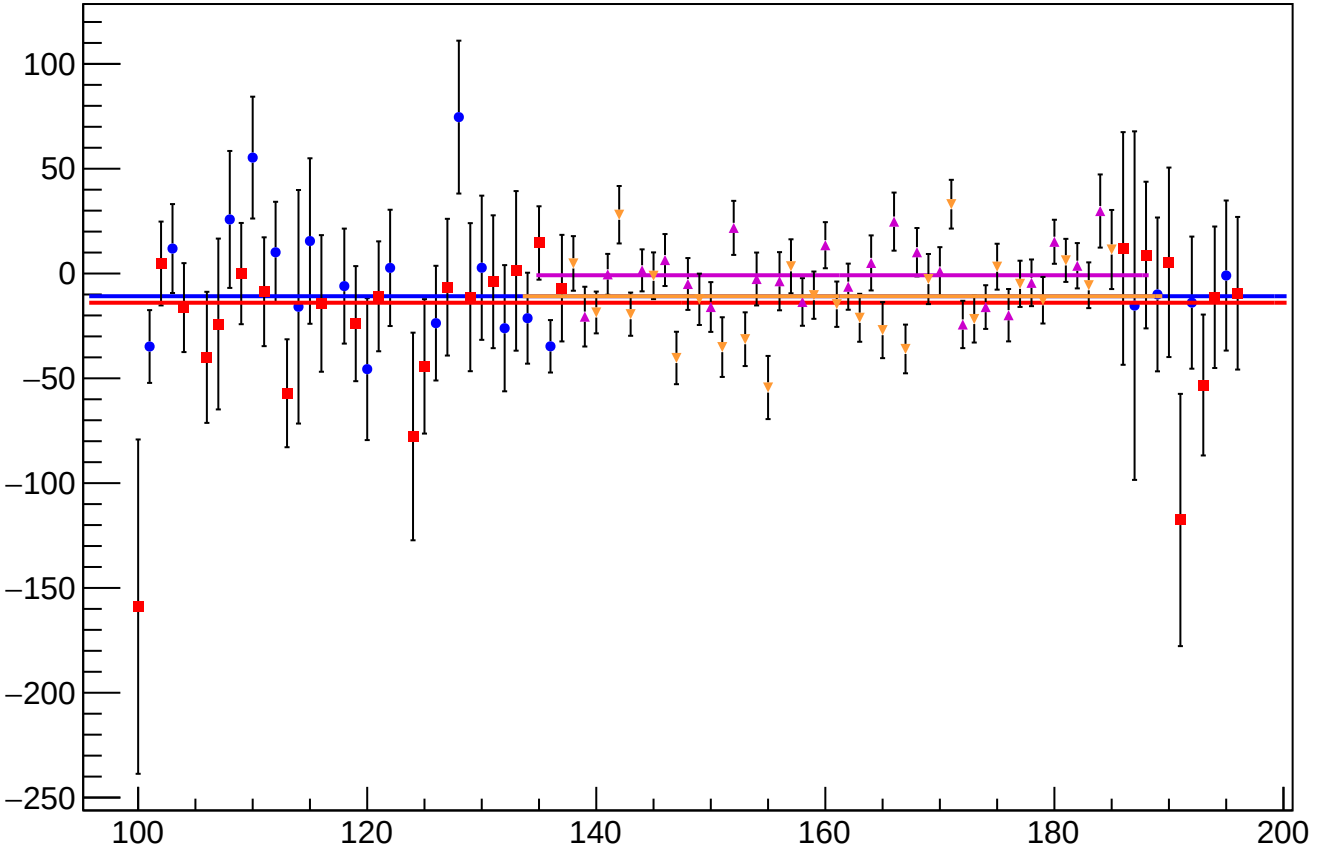
+ sign -3.228+/-4.677 χ^2/NDF: 55.0/44

All: 0.031+/-3.309 χ^2/NDF: 96.2/93

- sign 3.299+/-4.683 χ^2/NDF: 40.3/48


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 24554.330+/-5.675 χ²/NDF: 747314.4/19
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25444.180+/-5.318 χ²/NDF: 864481.7/25
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 24620.160+/-3.307 χ²/NDF: 2330228.3/44
All: 24908.658+/-2.340 χ²/NDF: 4655096.0/9
- sign 25197.929+/-3.311 χ²/NDF: 2309625.3/48

diff_bpm4aesumX_mean vs Slug



Right In: -10.828+/-5.865 χ^2/NDF: 22.1/19

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -13.936+/-5.874 χ^2/NDF: 19.1/25

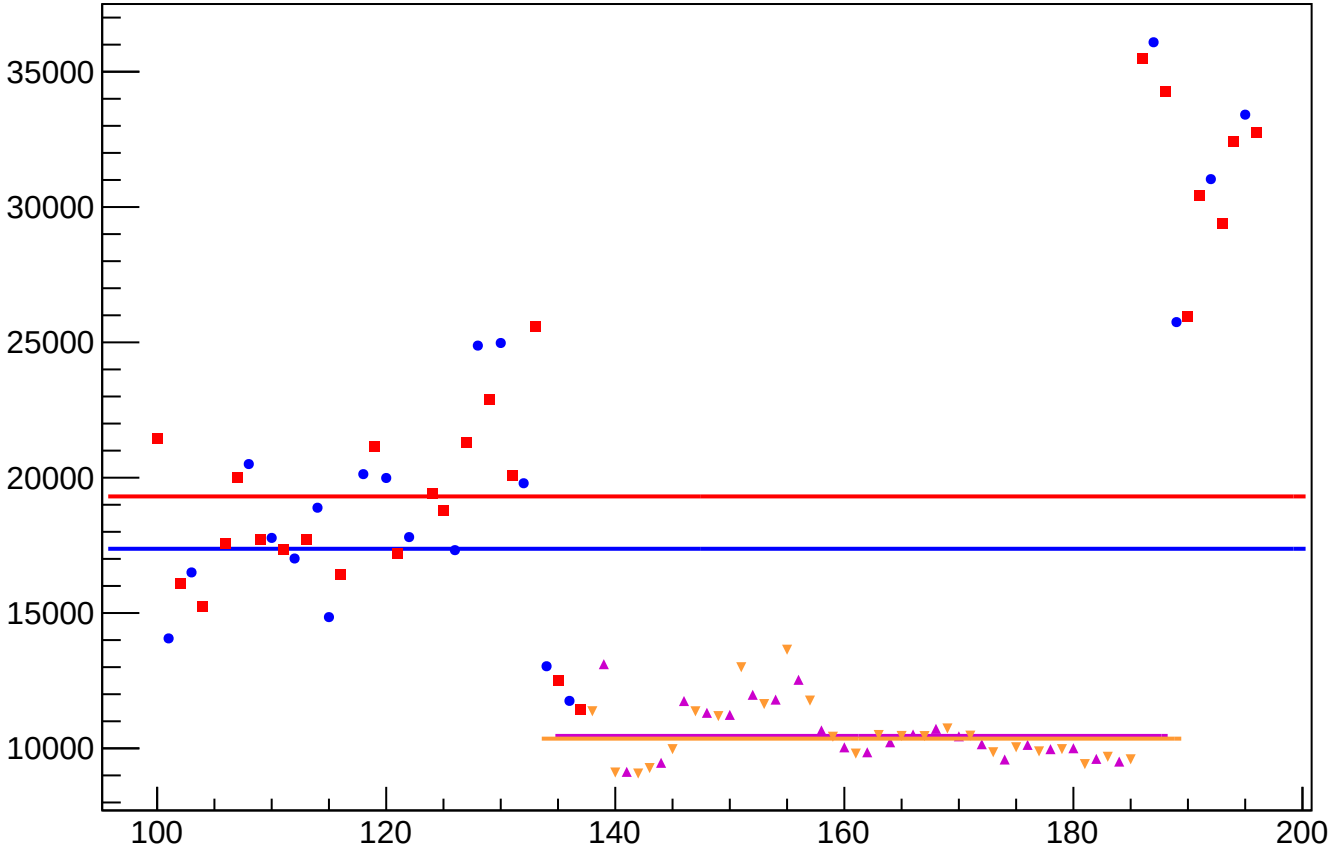
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.823+/-2.198 χ^2/NDF: 83.4/44

All: -6.925+/-1.578 χ^2/NDF: 142.6/93

- sign -2.778+/-2.267 χ^2/NDF: 52.7/48

diff_bpm4aesumX_rms vs Slug



Right In: 17373.392+/-4.147 χ^2/NDF: 1799262.4/19

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 19307.924+/-4.154 χ^2/NDF: 2178504.7/25

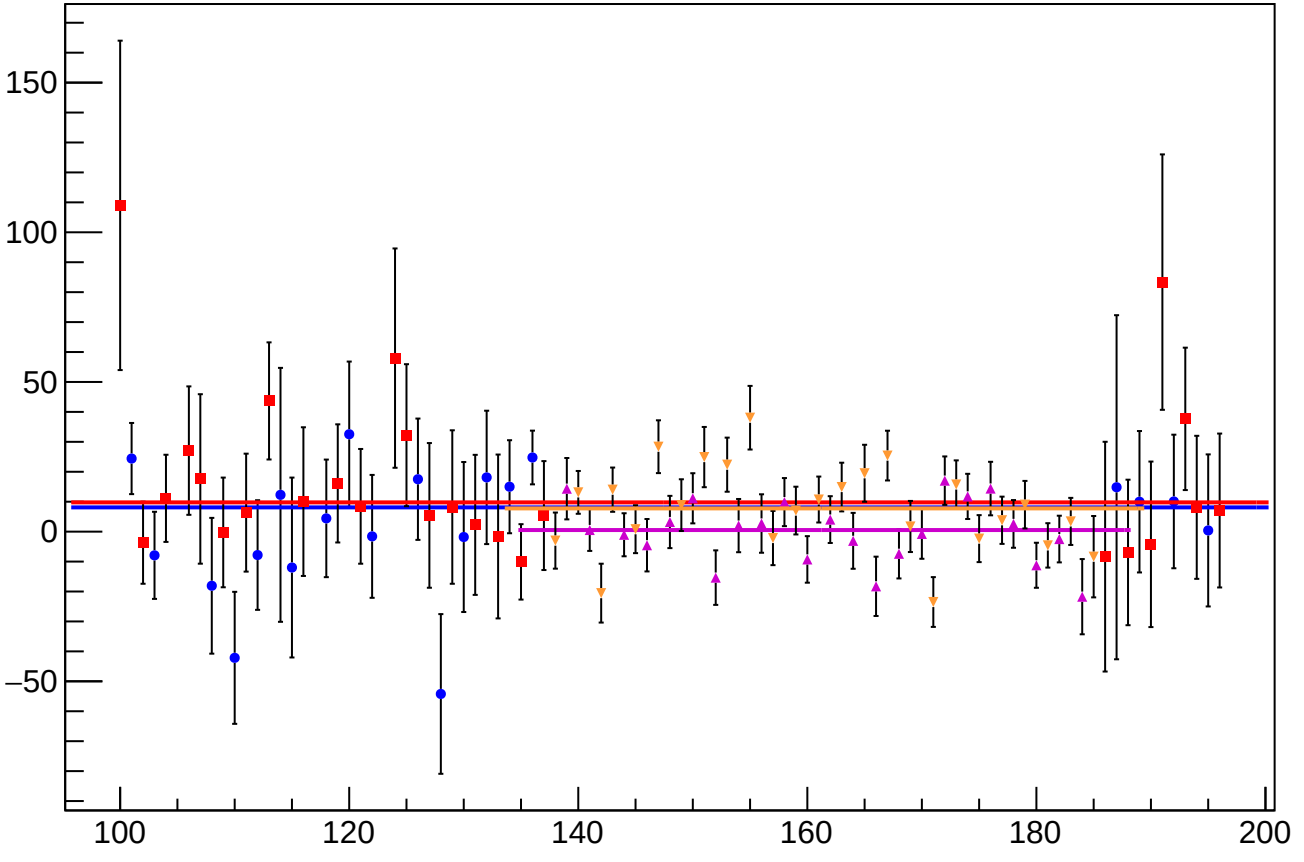
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11343.318+/-1.554 χ^2/NDF: 4621867.6/44

All: 11553.246+/-1.116 χ^2/NDF: 11015048.5

- sign 11776.583+/-1.603 χ^2/NDF: 6355515.9/48

diff_bpm4aediffX_mean vs Slug



Right In: 8.100+/-4.197 χ^2/NDF: 21.9/19

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.774+/-4.212 χ^2/NDF: 19.2/25

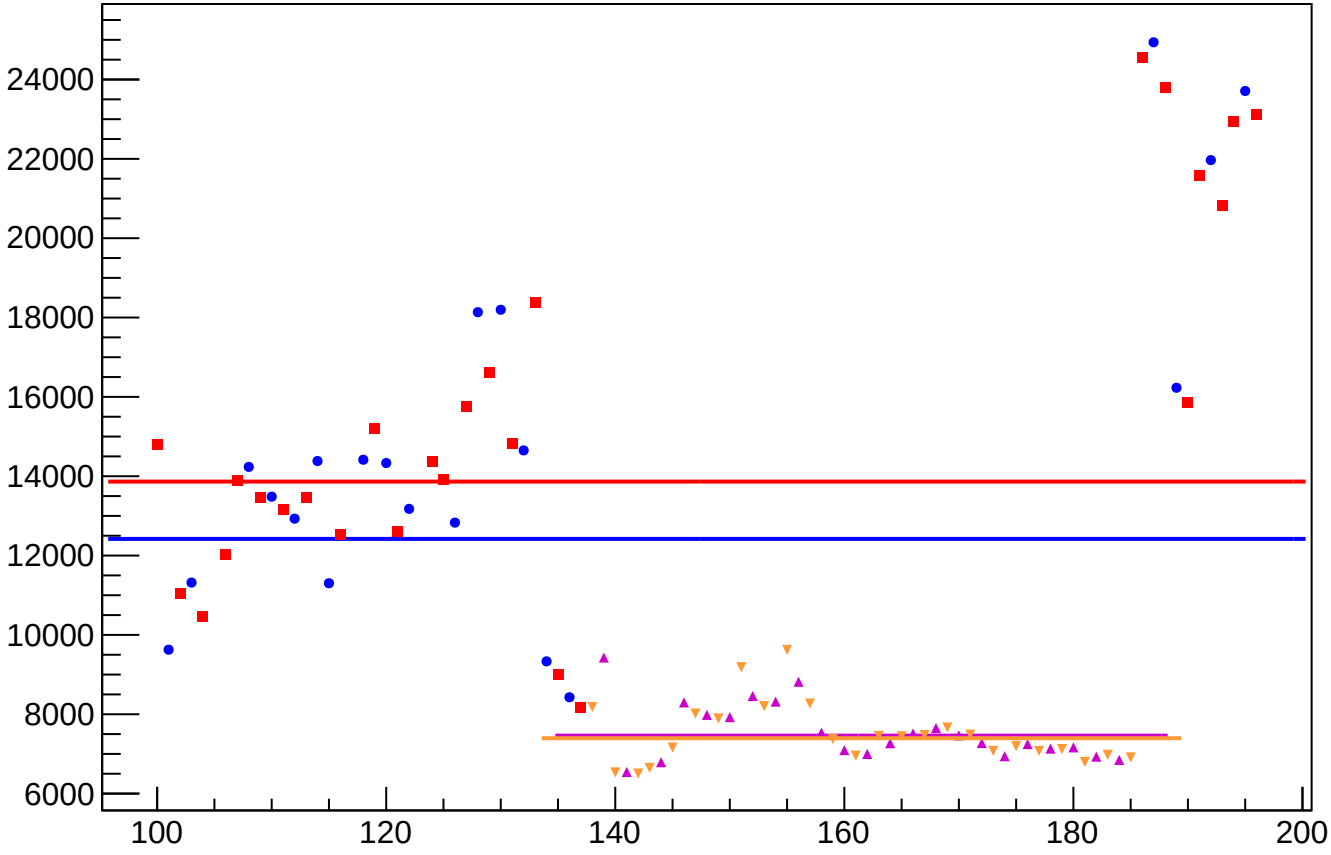
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.810+/-1.569 χ^2/NDF: 82.9/44

All: 4.943+/-1.126 χ^2/NDF: 142.5/93

- sign 1.895+/-1.618 χ^2/NDF: 52.8/48

diff_bpm4aediffX_rms vs Slug



Right In: 12420.270+/-2.968 χ^2/NDF: 1786018.7/19

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

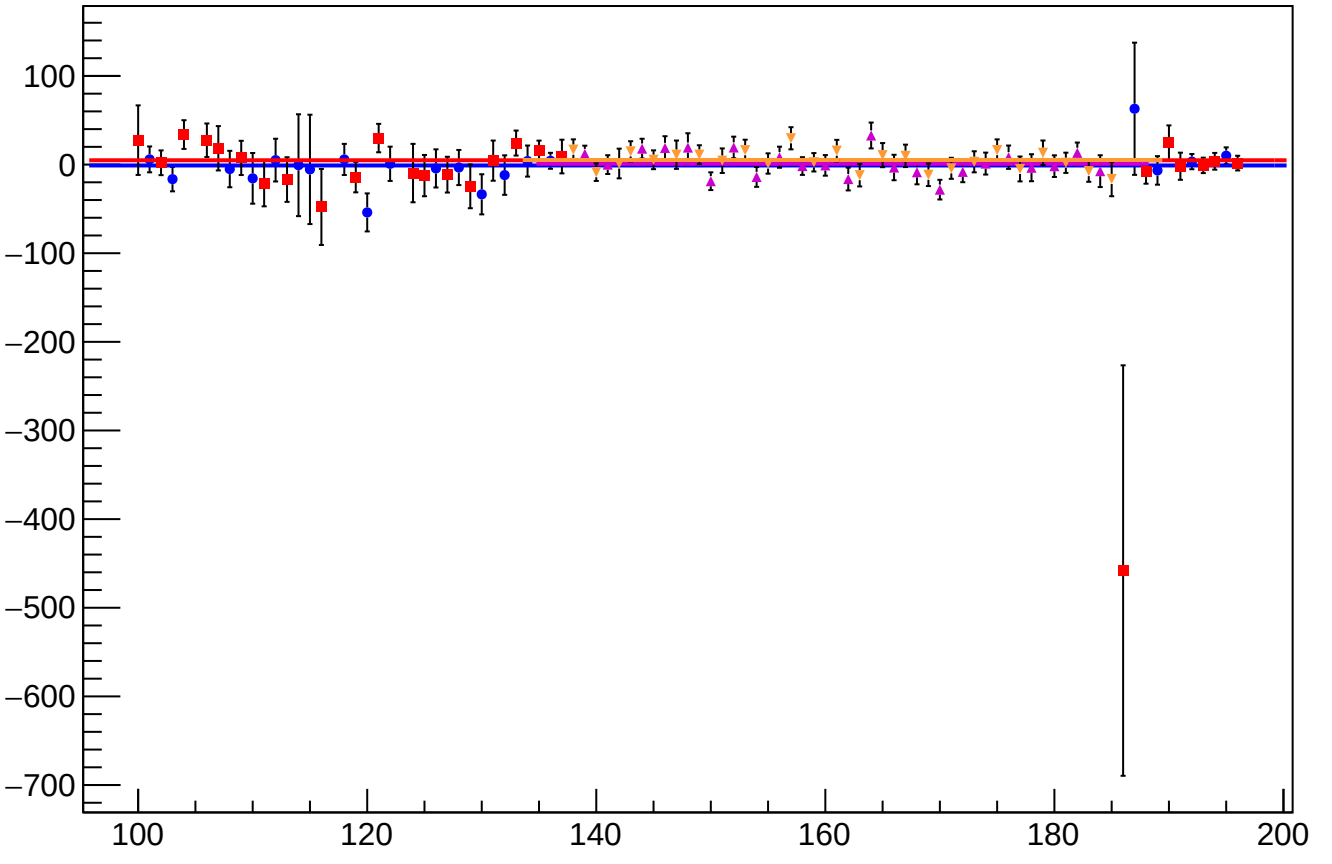
Right Out: 13865.010+/-2.978 χ^2/NDF: 2110816.2/25

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8097.794+/-1.109 χ^2/NDF: 4576637.3/44

All: 8246.942+/-0.796 χ^2/NDF: 10950907.3/9

- sign 8405.503+/-1.144 χ^2/NDF: 6336976.8/48



Right In: -1.005+/-3.603 χ^2/NDF: 13.3/19

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.848+/-3.114 χ^2/NDF: 24.6/25

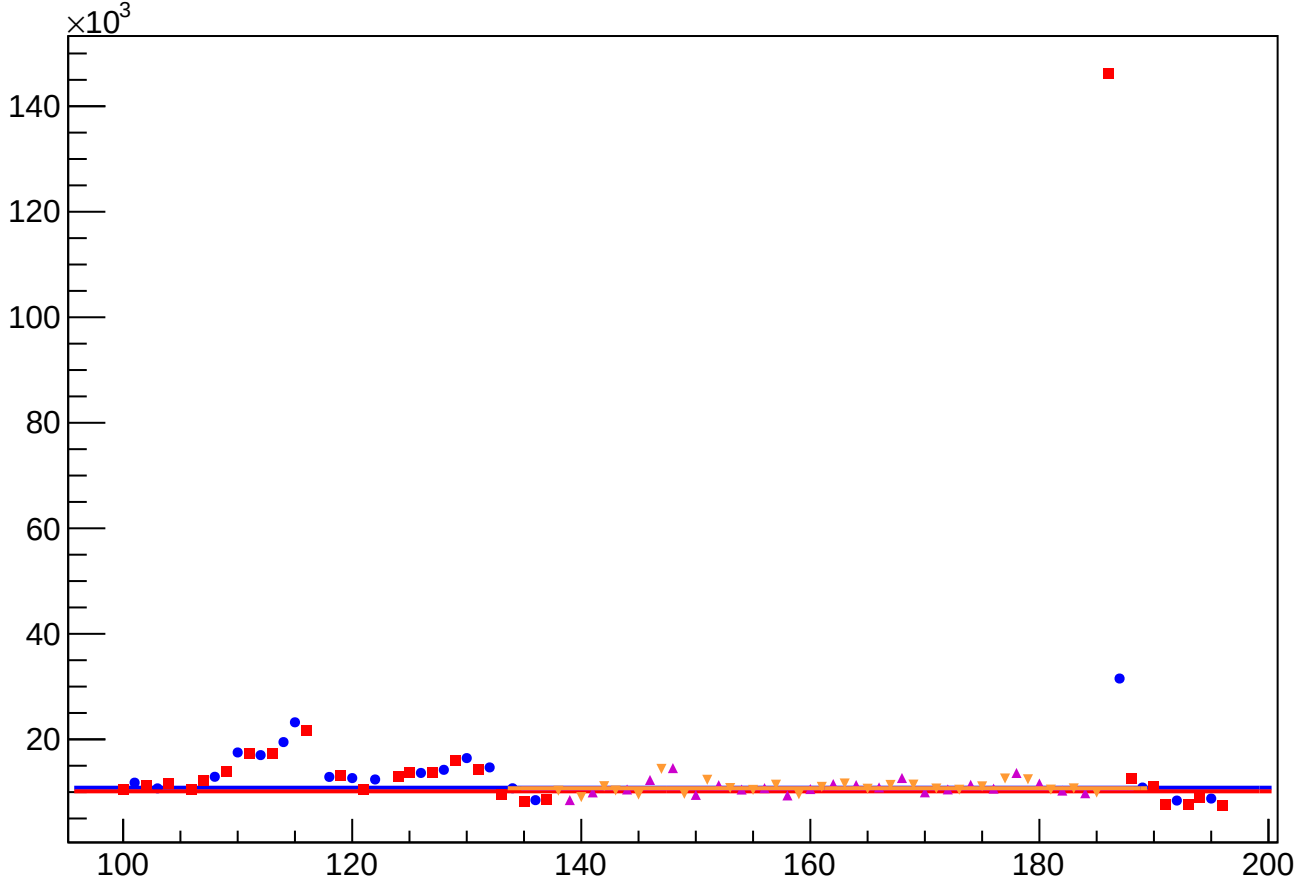
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.213+/-2.031 χ^2/NDF: 33.7/44

All: 2.821+/-1.410 χ^2/NDF: 91.2/93

- sign 2.456+/-1.958 χ^2/NDF: 57.4/48

diff_bpm4aesumY_rms vs Slug



Right In: 10834.335+/-2.548 χ^2/NDF: 1271989.3/19

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10146.386+/-2.202 χ^2/NDF: 2242280.8/25

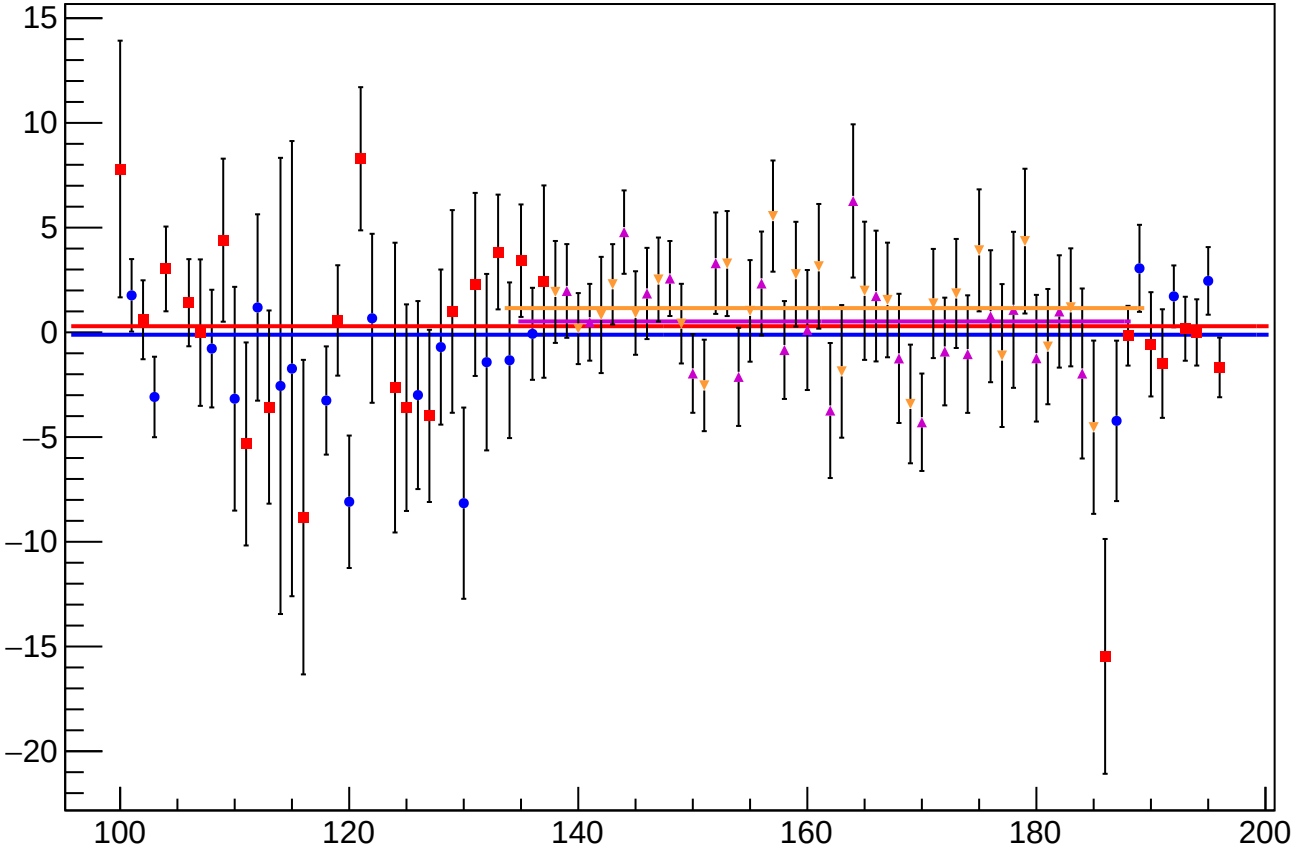
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10765.696+/-1.436 χ^2/NDF: 1641332.7/44

All: 10611.047+/-0.997 χ^2/NDF: 4441688.0/9

- sign 10467.278+/-1.385 χ^2/NDF: 2777979.6/48

diff_bpm4aediffY_mean vs Slug



Right In: -0.114+/-0.598 χ^2/NDF: 23.3/19

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.293+/-0.503 χ^2/NDF: 29.7/25

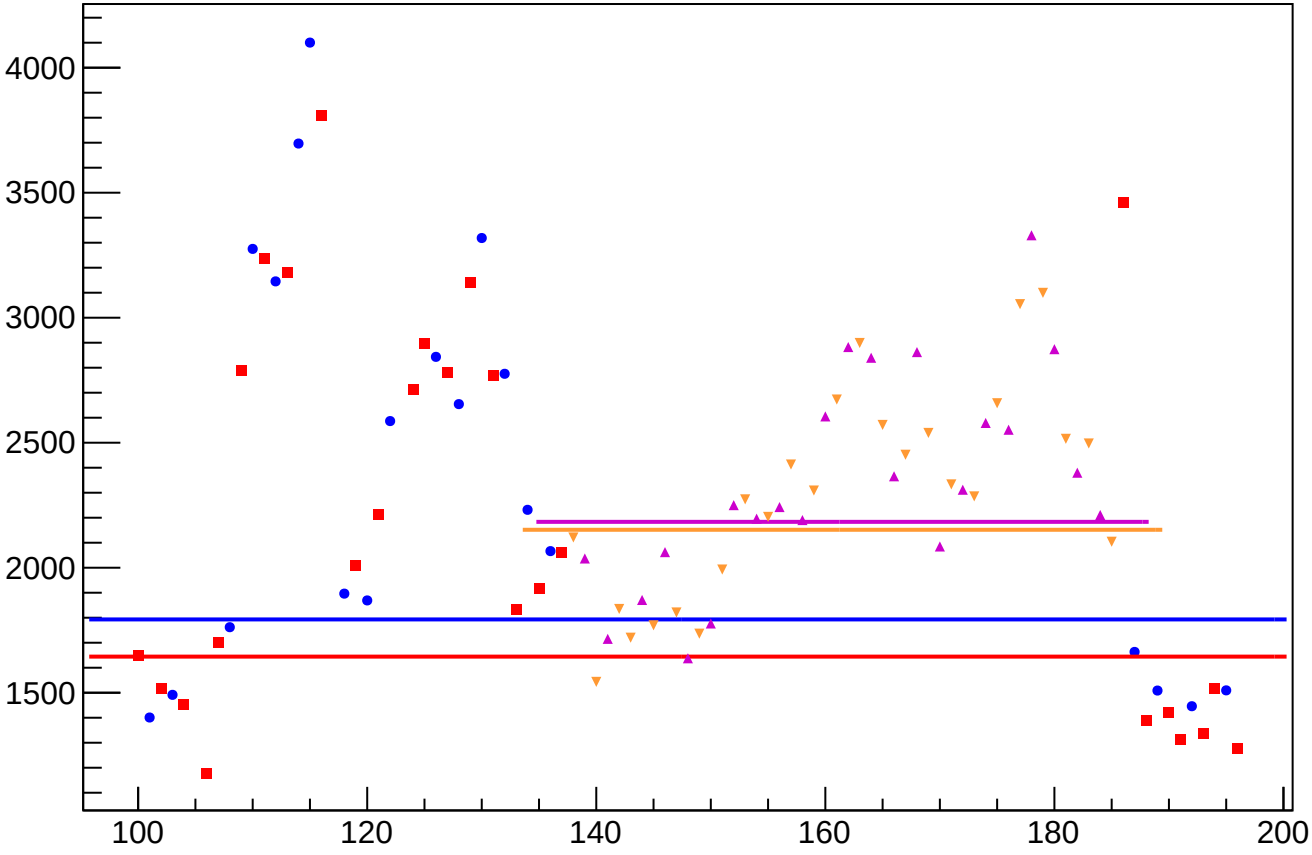
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.635+/-0.384 χ^2/NDF: 42.8/44

All: 0.512+/-0.263 χ^2/NDF: 95.1/93

- sign 0.403+/-0.361 χ^2/NDF: 52.1/48

diff_bpm4aediffY_rms vs Slug



Right In: 1793.200+/-0.423 χ^2/NDF: 1544661.2/19

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1644.451+/-0.355 χ^2/NDF: 2247725.8/25

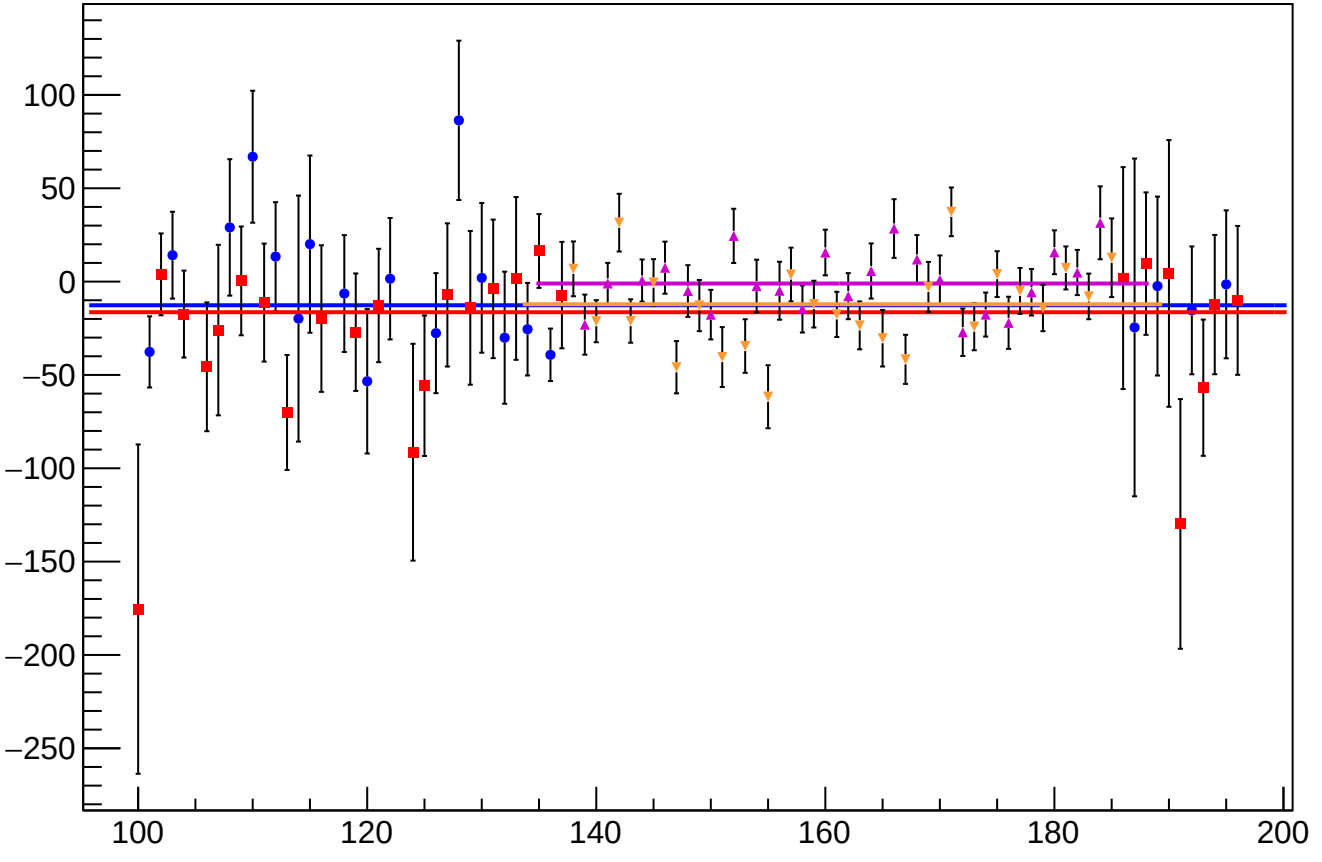
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2004.256+/-0.271 χ^2/NDF: 3317071.4/44

All: 1951.578+/-0.186 χ^2/NDF: 7909582.9/93

- sign 1904.865+/-0.256 χ^2/NDF: 4521392.5/48

diff_bpmtargetsumX_mean vs Slug



Right In: -12.679+/-6.696 χ^2/NDF: 22.0/19

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -16.412+/-6.720 χ^2/NDF: 19.2/25

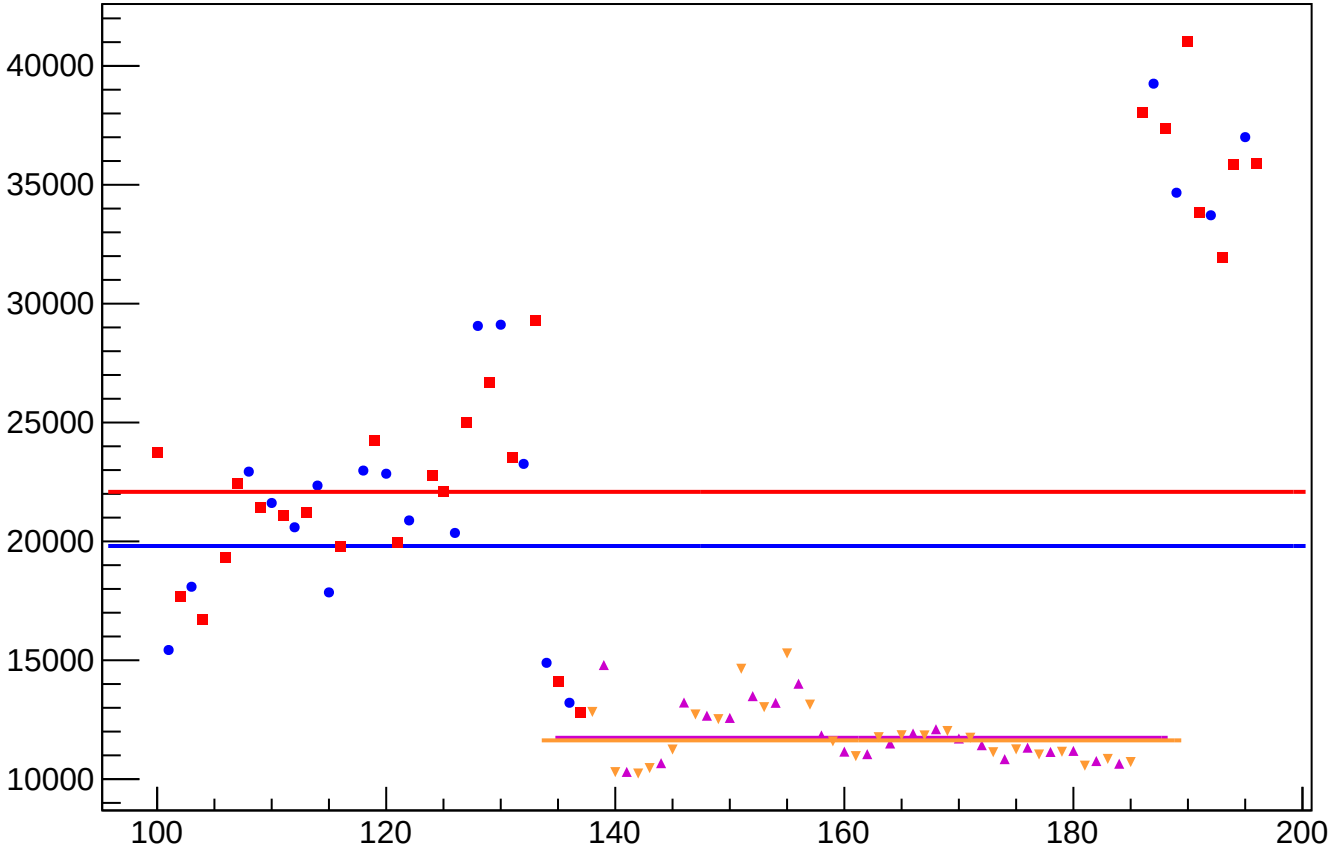
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.209+/-2.473 χ^2/NDF: 84.6/44

All: -7.865+/-1.776 χ^2/NDF: 143.5/93

- sign -3.242+/-2.551 χ^2/NDF: 52.4/48

diff_bpmtargetsumX_rms vs Slug



Right In: 19806.418+/-4.735 χ^2/NDF: 1910260.1/19

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22083.724+/-4.751 χ^2/NDF: 2186096.1/25

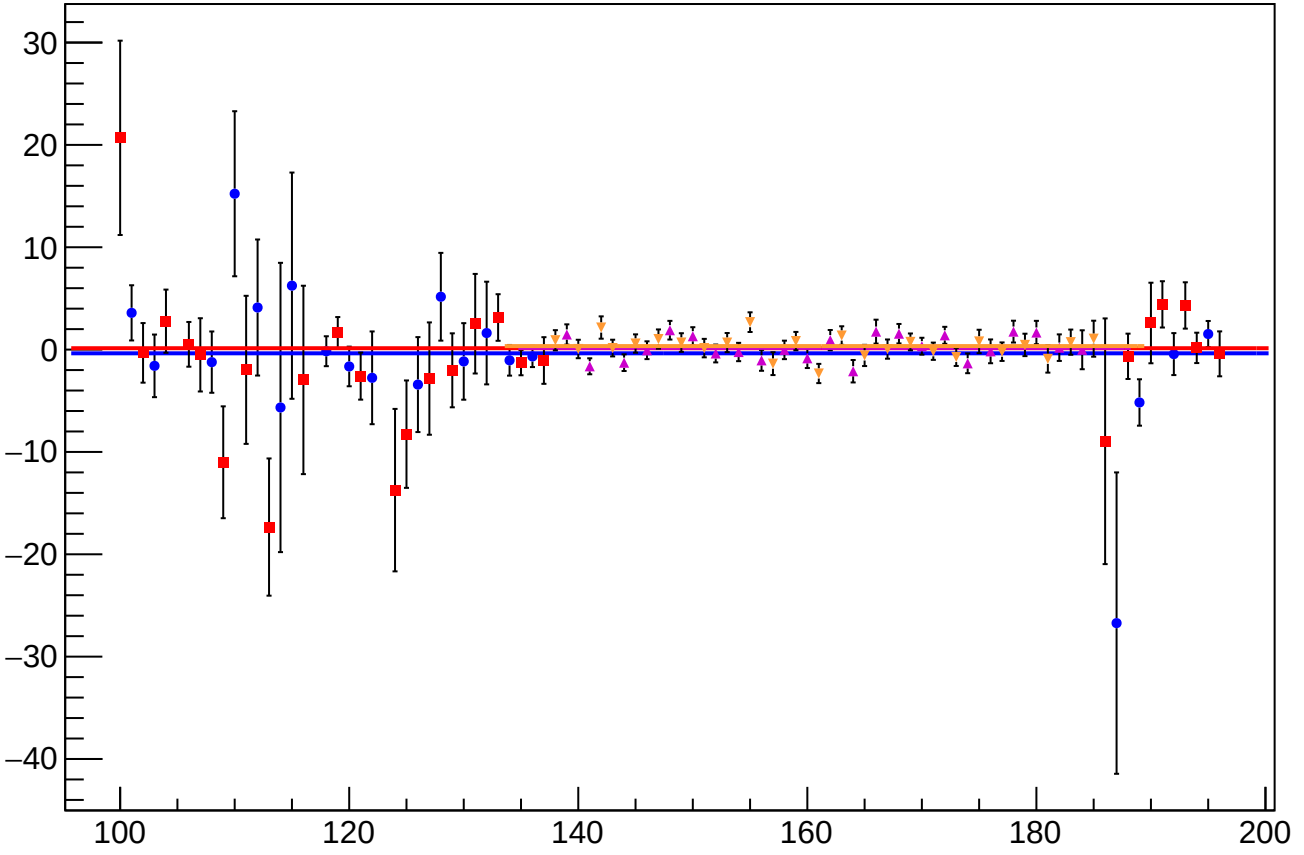
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

\+ sign 12745.362+/-1.749 χ^2/NDF: 4841425.5/44

All: 12979.898+/-1.256 χ^2/NDF: 11435496.6

\- sign 13229.488+/-1.804 χ^2/NDF: 6556938.2/48

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.363+/-0.511 χ^2/NDF: 20.3/19

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.134+/-0.512 χ^2/NDF: 37.1/25

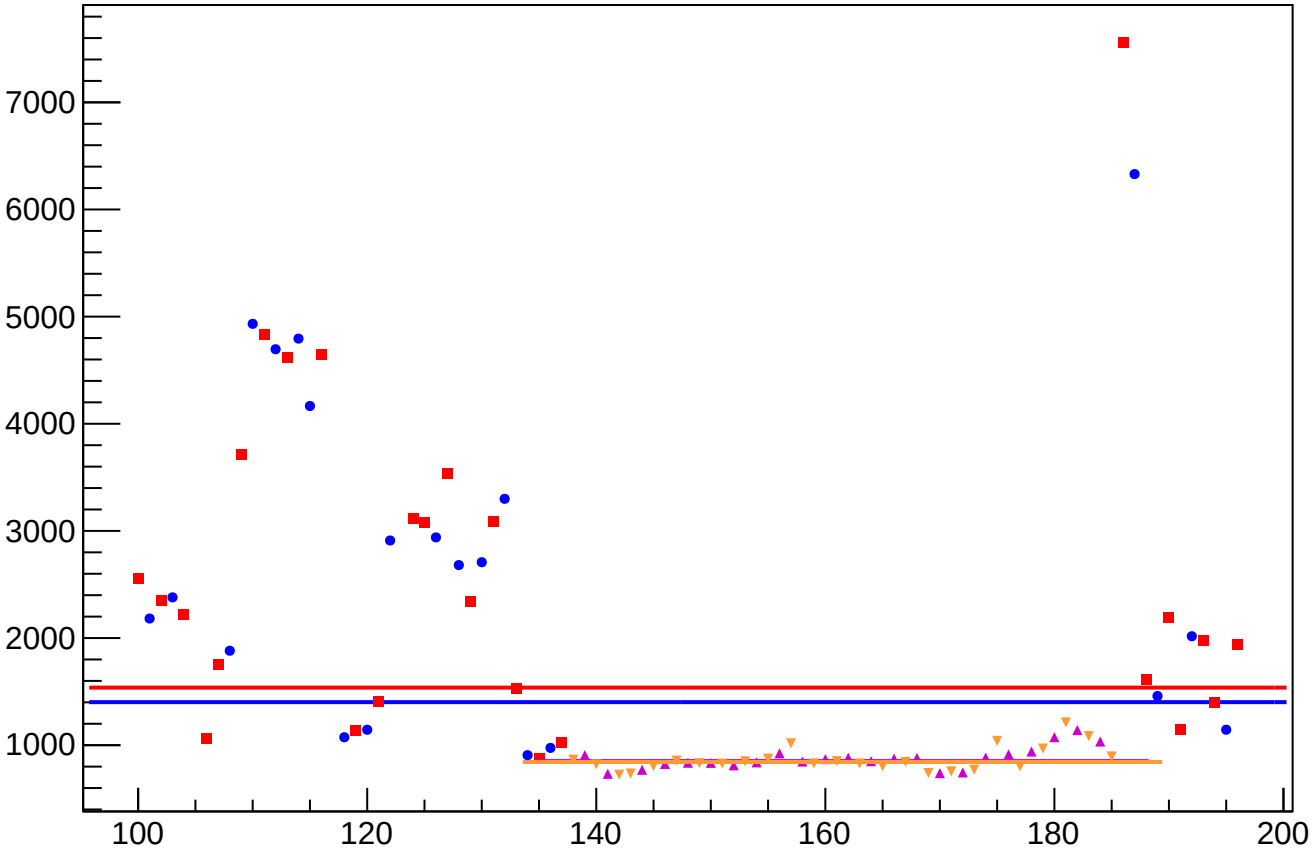
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.254+/-0.181 χ^2/NDF: 48.7/44

All: 0.209+/-0.130 χ^2/NDF: 122.3/93

- sign 0.161+/-0.187 χ^2/NDF: 73.4/48

diff_bpmtargetdiffX_rms vs Slug



Right In: 1401.736+/-0.361 χ^2/NDF: 3868453.2/19

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1537.294+/-0.362 χ^2/NDF: 4194830.6/25

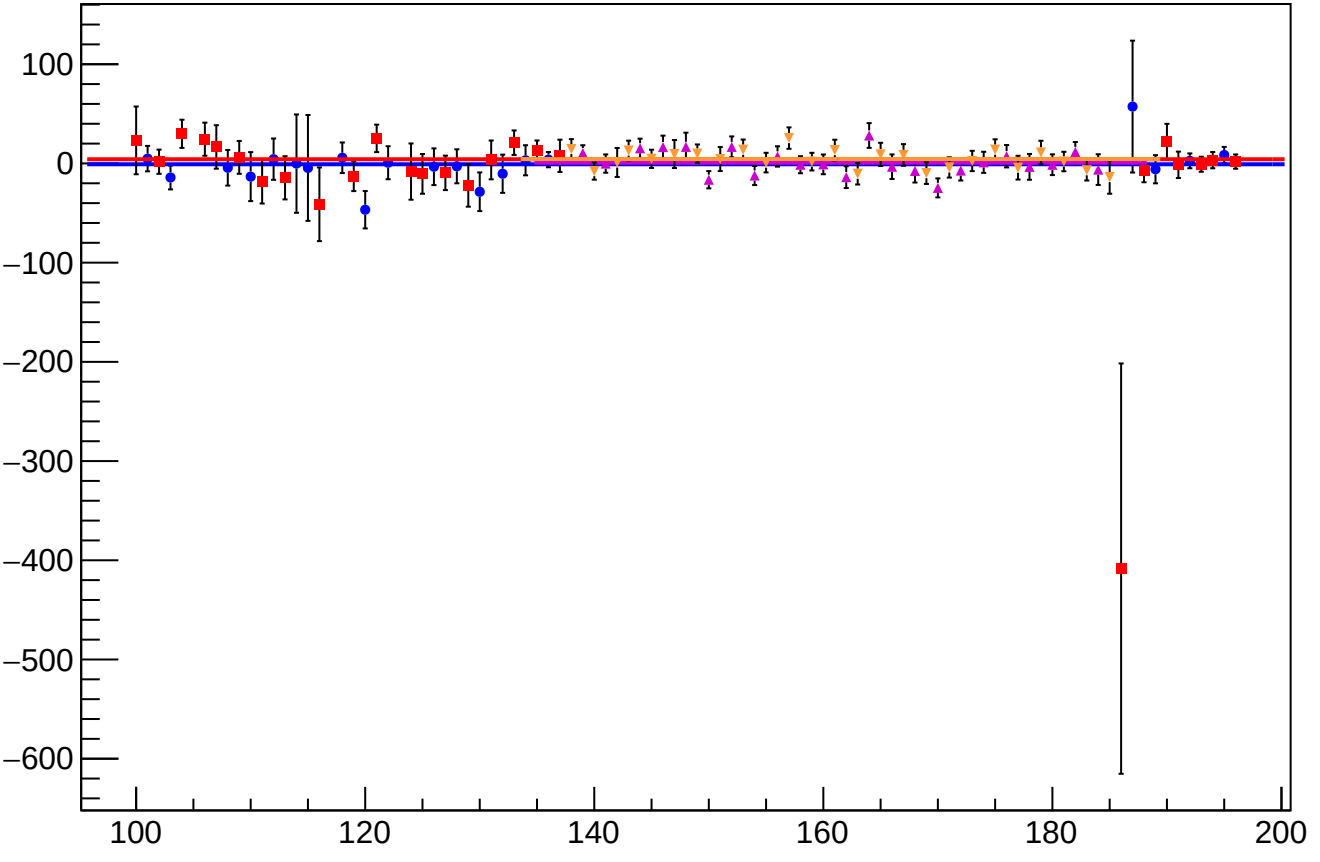
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 913.466+/-0.128 χ^2/NDF: 6462123.9/44

All: 927.822+/-0.092 χ^2/NDF: 14175231.6/93

- sign 943.115+/-0.132 χ^2/NDF: 7687172.6/48

diff_bpmtargetsumY_mean vs Slug



Right In: -0.838+/-3.126 χ^2/NDF: 13.0/19

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.213+/-2.707 χ^2/NDF: 24.5/25

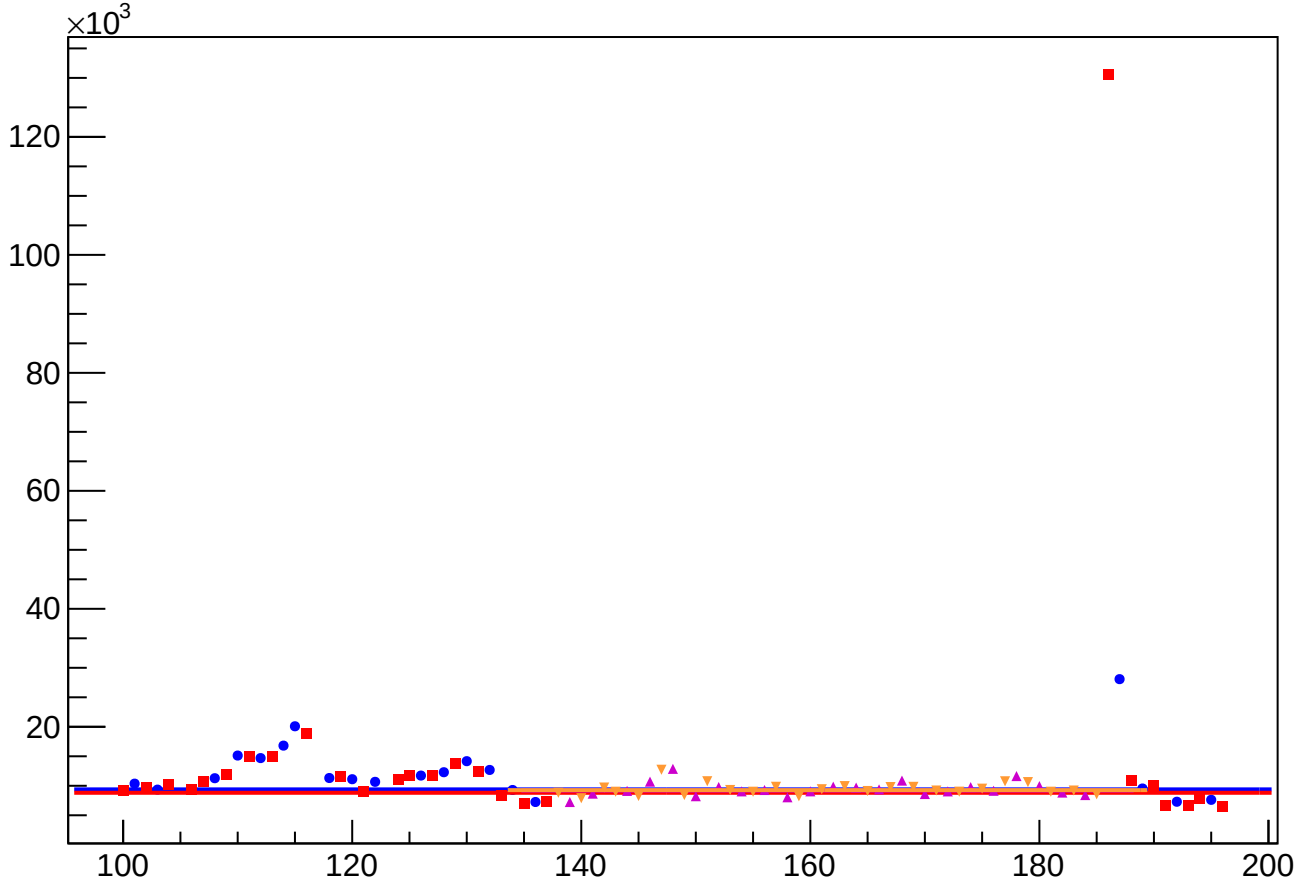
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.736+/-1.755 χ^2/NDF: 33.5/44

All: 2.404+/-1.219 χ^2/NDF: 91.2/93

- sign 2.095+/-1.693 χ^2/NDF: 57.5/48

diff_bpmtargetsumY_rms vs Slug



Right In: 9390.937+/-2.210 χ^2/NDF: 1289188.6/19

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

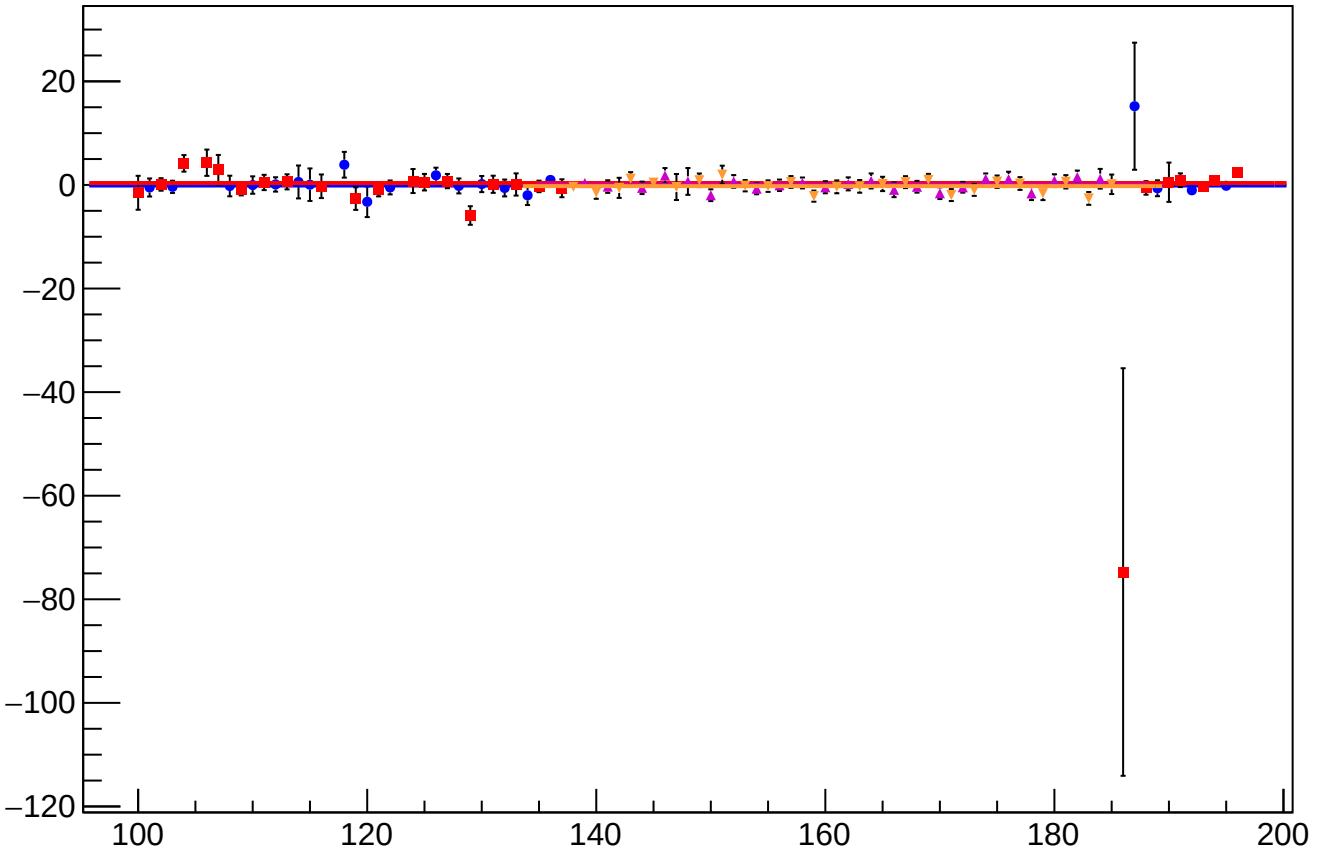
Right Out: 8814.399+/-1.914 χ^2/NDF: 2247889.9/25

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9302.357+/-1.241 χ^2/NDF: 1657607.6/44

All: 9171.041+/-0.862 χ^2/NDF: 4467242.4/93

- sign 9048.829+/-1.197 χ^2/NDF: 2788026.8/48



Right In: -0.110+/-0.306 χ^2/NDF: 11.8/19

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.372+/-0.275 χ^2/NDF: 37.6/25

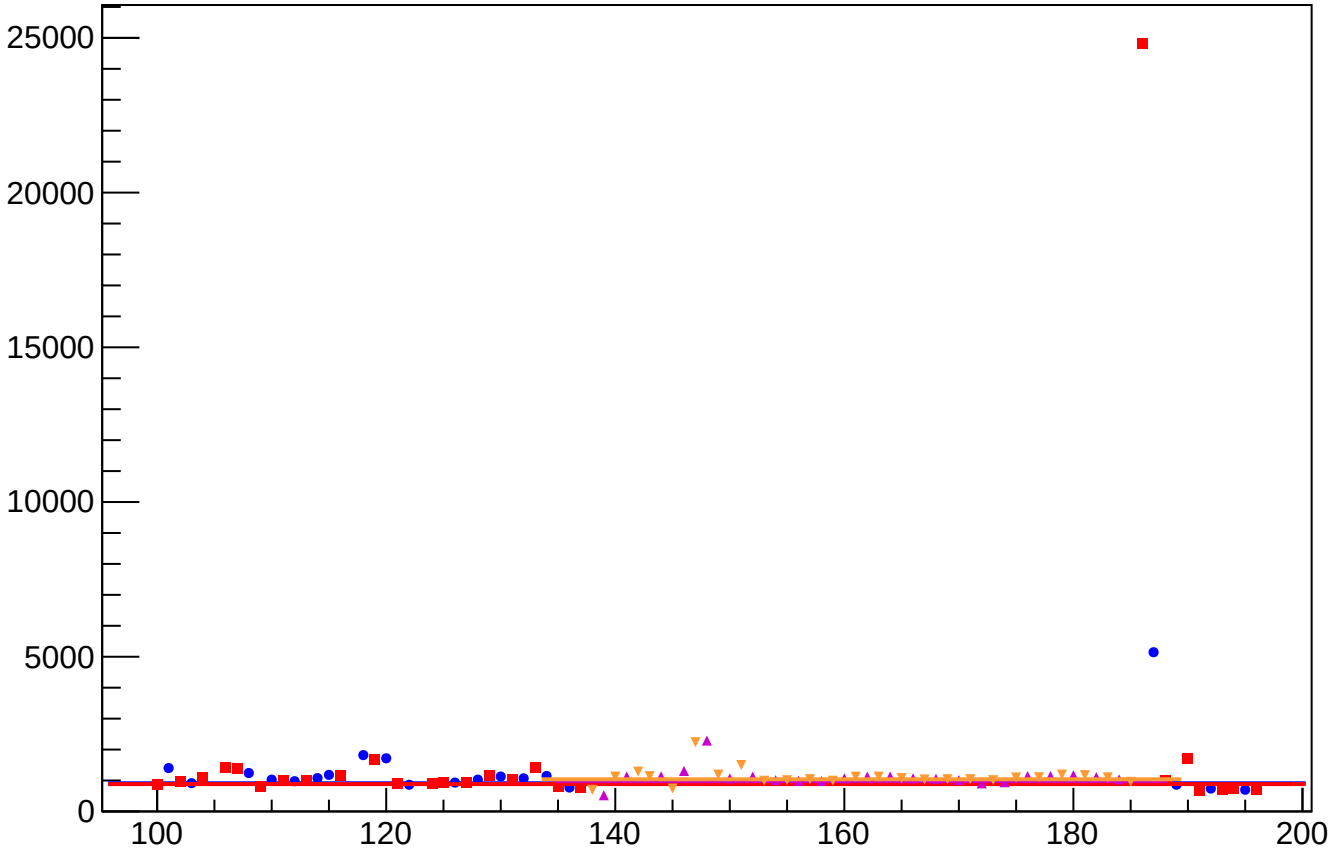
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.183+/-0.191 χ^2/NDF: 30.9/44

All: 0.006+/-0.131 χ^2/NDF: 86.5/93

- sign 0.174+/-0.180 χ^2/NDF: 53.8/48

diff_bpmtargetdiffY_rms vs Slug



Right In: 910.309+/-0.217 χ^2/NDF: 1328855.7/19

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

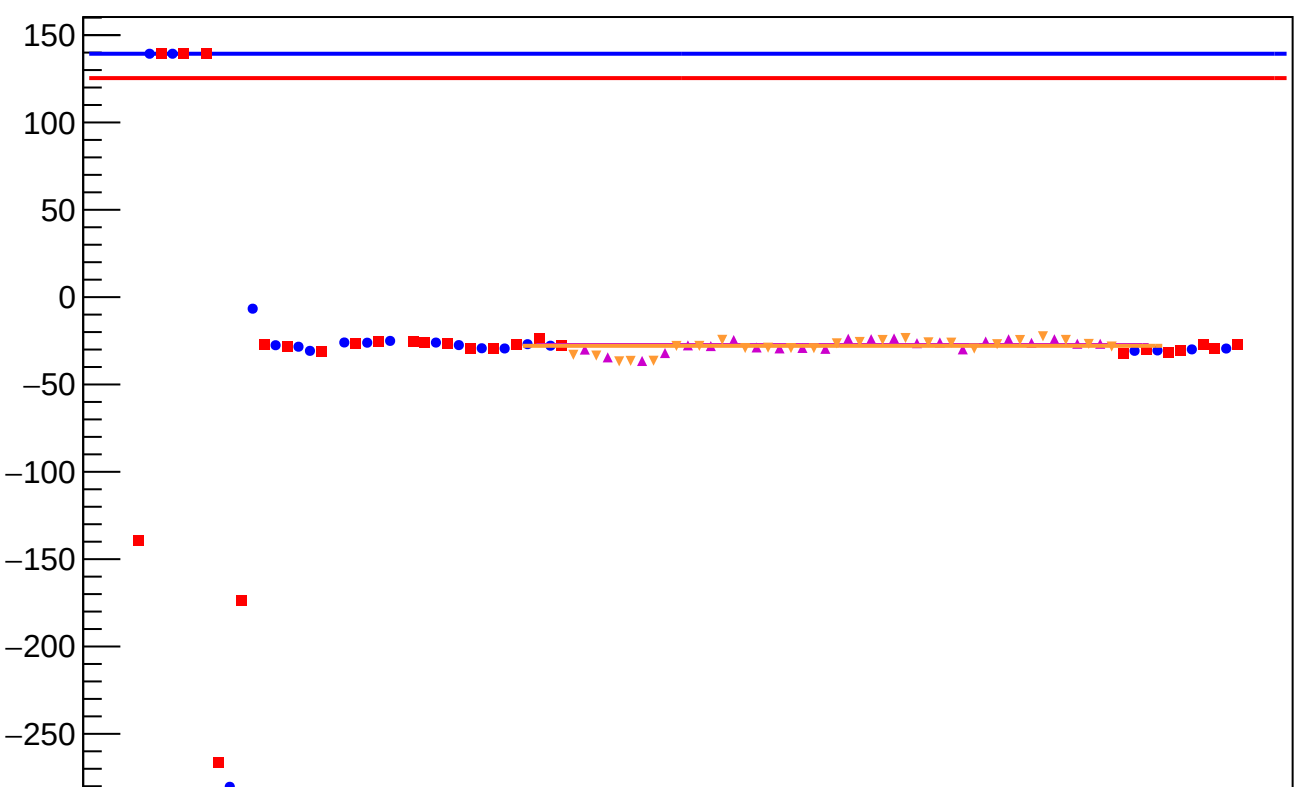
Right Out: 883.925+/-0.194 χ^2/NDF: 1898409.3/25

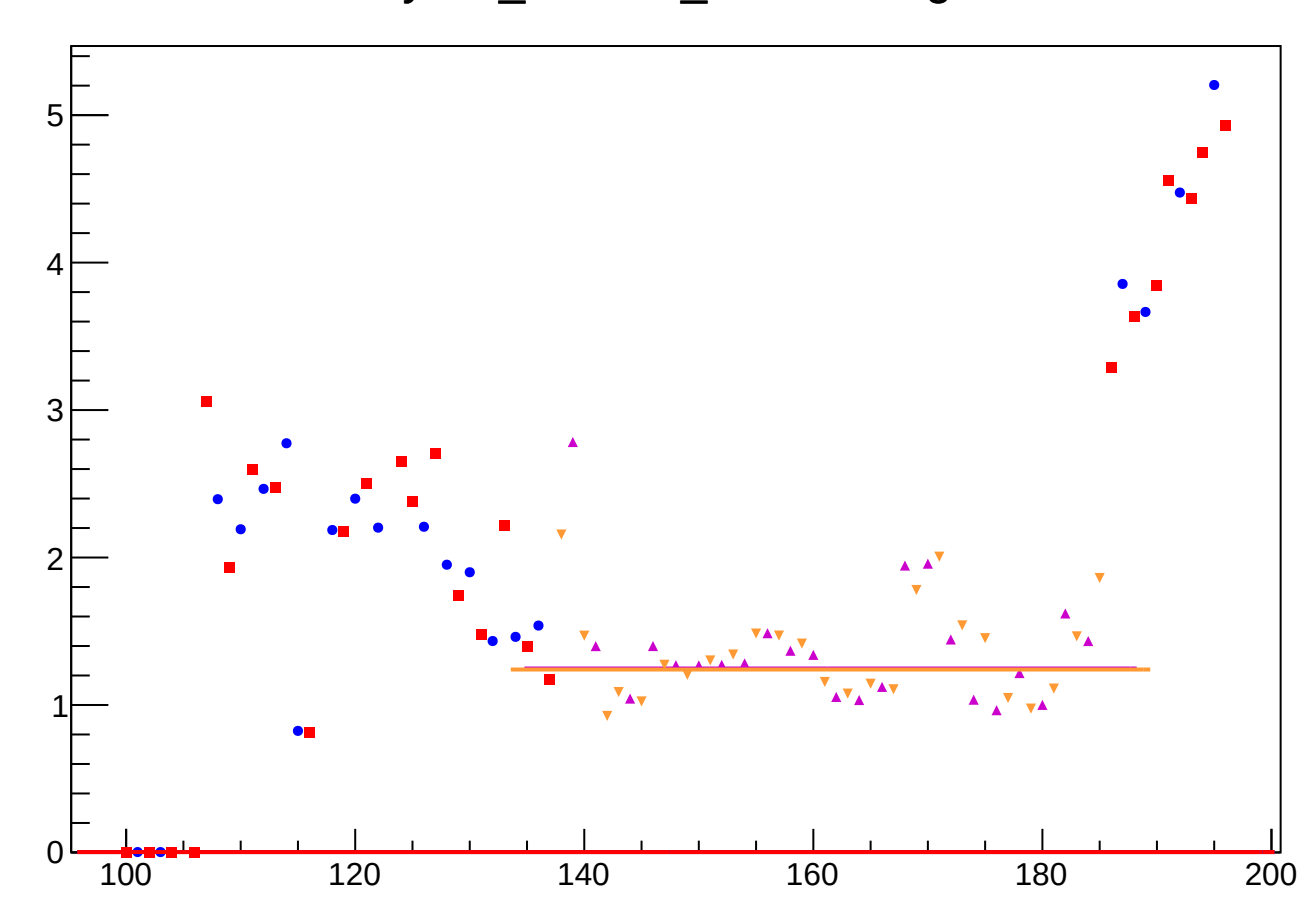
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 989.464+/-0.135 χ^2/NDF: 2886350.4/44

All: 963.146+/-0.093 χ^2/NDF: 7226165.7/93

- 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: 50765272699.9/19
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: 325308715580.3/4
All: 131.810+/-0.000 χ²/NDF: 79349728772
- sign 125.385+/-0.000 χ²/NDF: 774392781501193



Right In: 0.003+/-0.000 χ^2/NDF: 14521825.7/19

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18363009.2/25

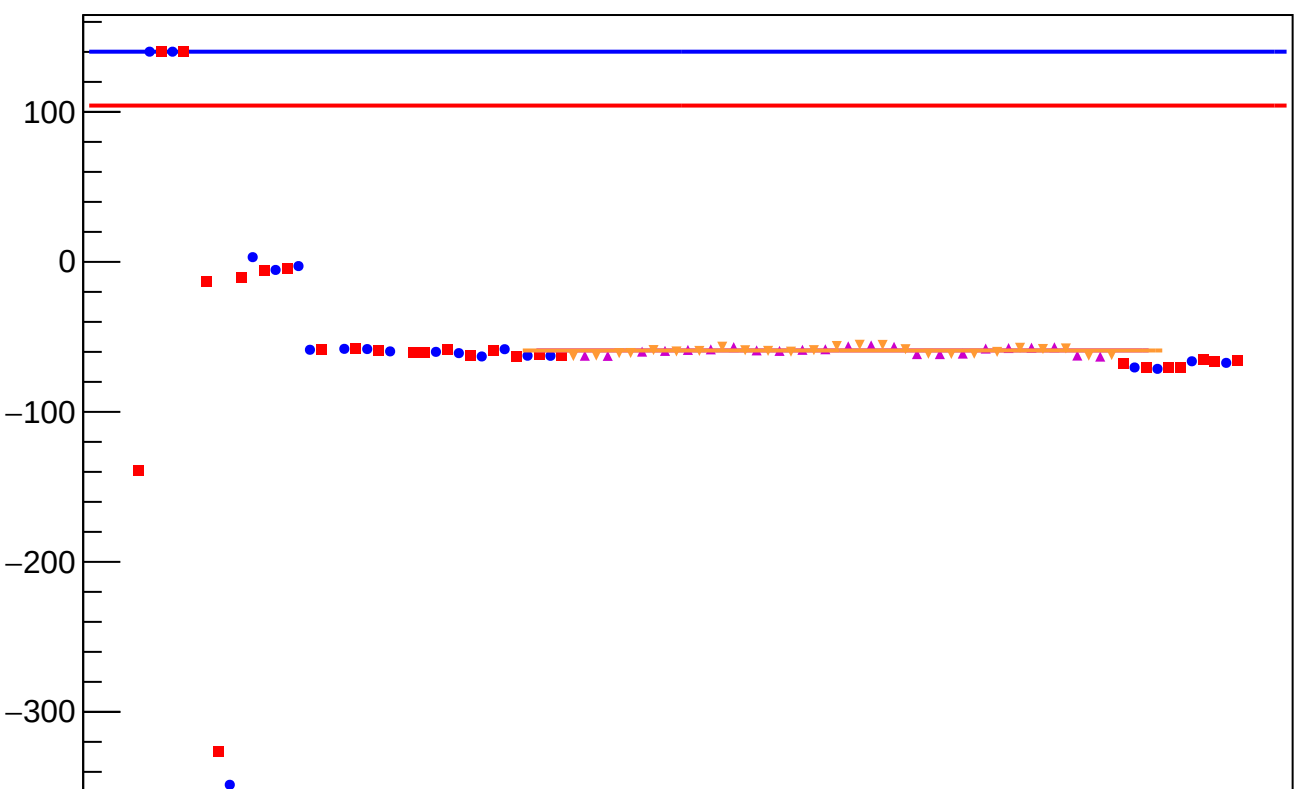
Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 45820329.7/44

All: 0.003+/-0.000 χ^2/NDF: 93950843.0/93

- sign 0.003+/-0.000 χ^2/NDF: 48130163.6/48

yield_cav4bY_mean vs Slug



Right In: 140.142+/-0.000 χ^2/NDF: 259501607449.2/19

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257501537124310.8/25

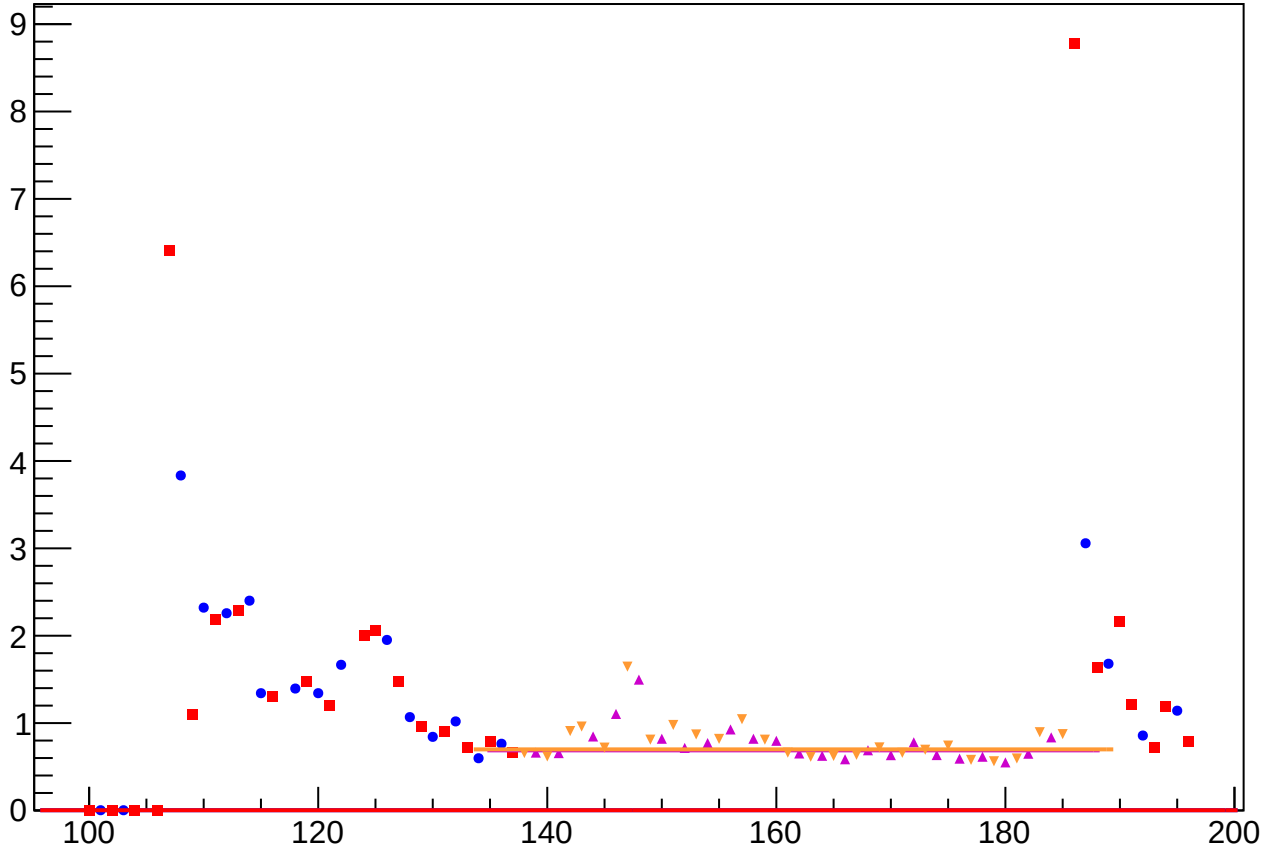
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.105+/-0.000 χ^2/NDF: 1556667414900.1

All: 120.799+/-0.000 χ^2/NDF: 13831730900

- sign 104.196+/-0.000 χ^2/NDF: 125835857243922

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 14643393.3/19

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

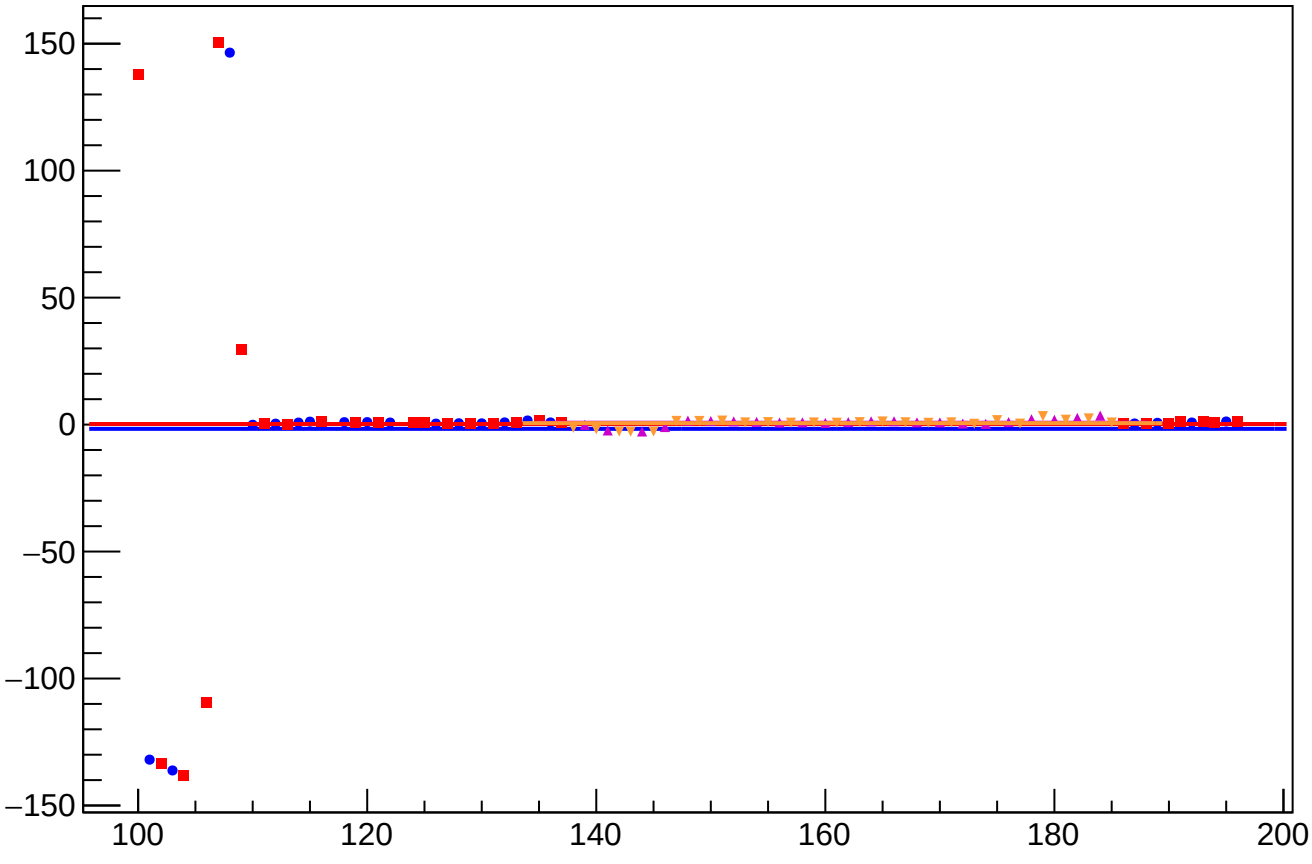
Right Out: 0.003+/-0.000 χ^2/NDF: 17957393.5/25

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

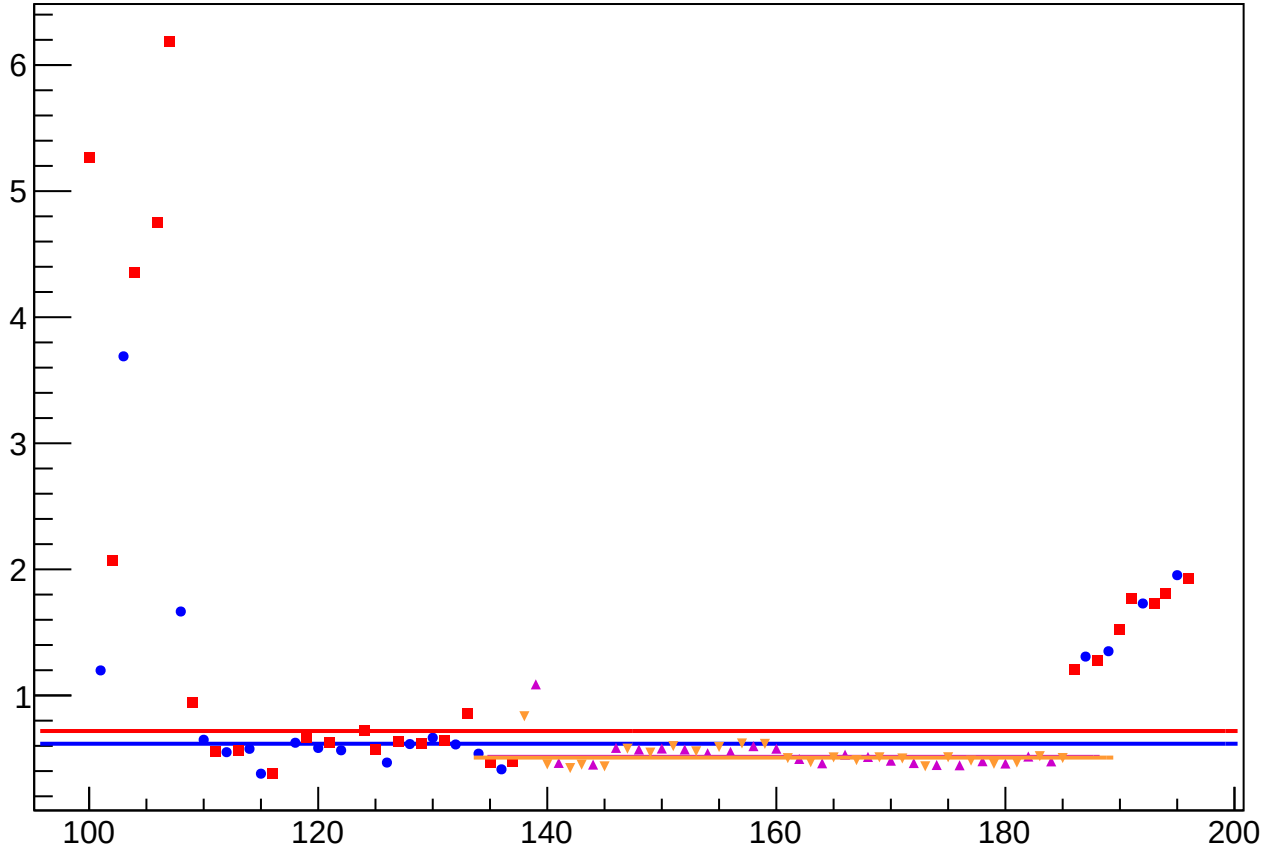
+ sign 0.003+/-0.000 χ^2/NDF: 47696865.5/44

All: 0.003+/-0.000 χ^2/NDF: 96963868.9/93

- sign 0.003+/-0.000 χ^2/NDF: 49266556.9/48


yield_cav4cX_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -1.676+/-0.000 χ²/NDF: 9893294952.6/19
Left Out: 0.575+/-0.000 χ²/NDF:154364809.1/24
Right Out: 0.228+/-0.000 χ²/NDF: 3611976978.2/25
Left In: 0.732+/-0.000 χ²/NDF:105135095.8/22
+ sign 0.082+/-0.000 χ²/NDF: 10115111257.3/44
All: 0.341+/-0.000 χ²/NDF: 13846203631.0/9
- sign 0.625+/-0.000 χ²/NDF: 3720145813.0/48

yield_cav4cX_rms vs Slug



Right In: 0.617+/-0.000 χ^2/NDF: 3669694.0/19

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.718+/-0.000 χ^2/NDF: 5420853.4/25

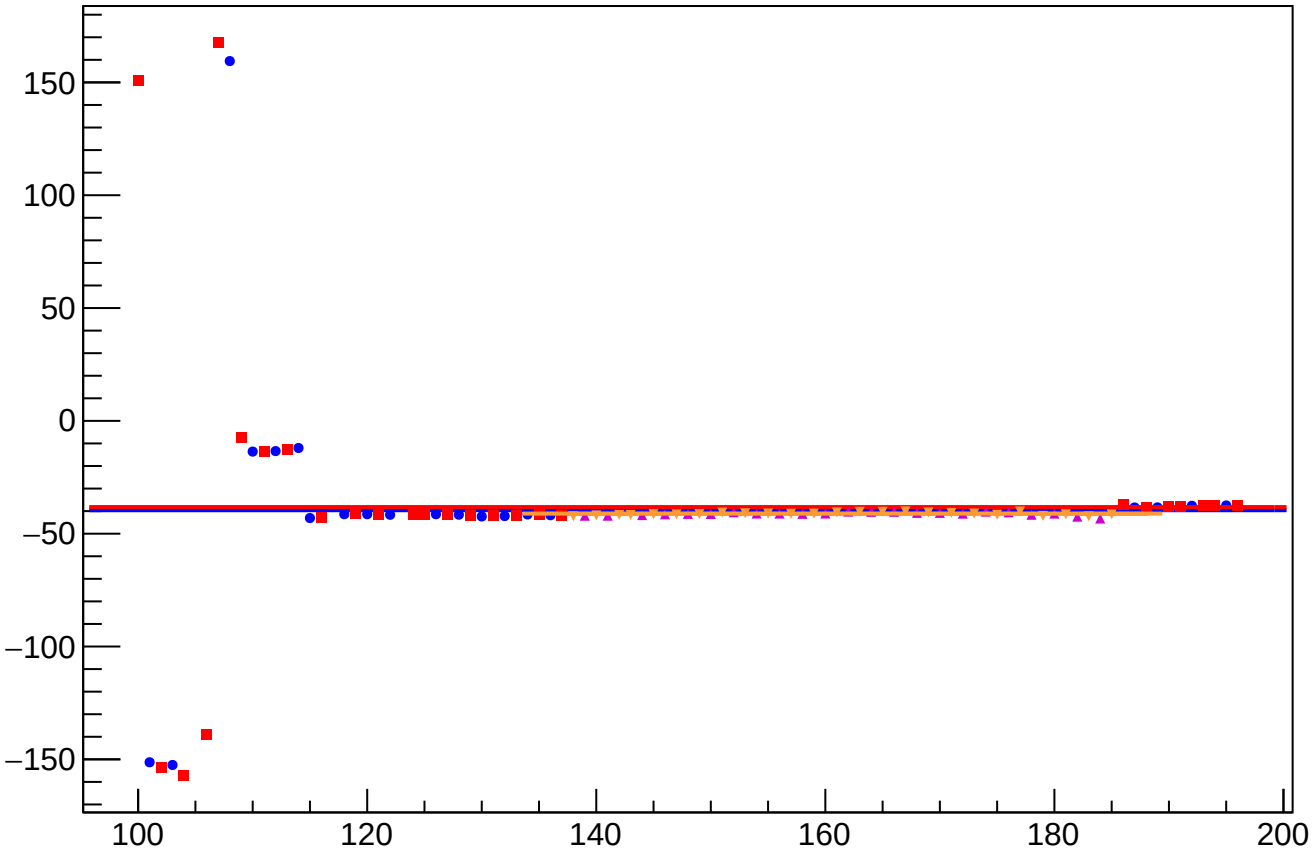
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.531+/-0.000 χ^2/NDF: 4545394.8/44

All: 0.543+/-0.000 χ^2/NDF: 11771100.0/93

- sign 0.556+/-0.000 χ^2/NDF: 7177597.6/48

yield_cav4cY_mean vs Slug



Right In: -39.594+/-0.000 χ^2/NDF: 3535742962.6/19

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.200+/-0.000 χ^2/NDF: 2506872853.1/25

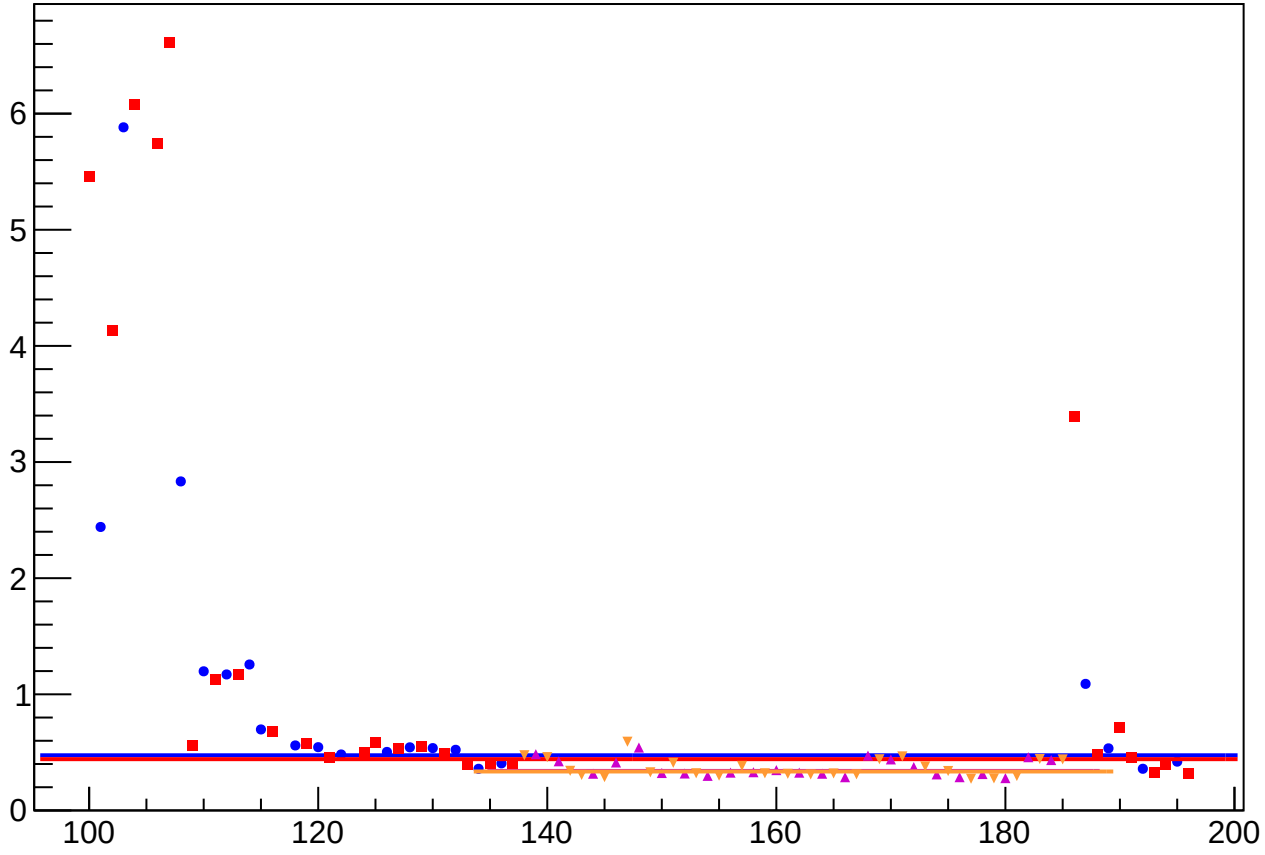
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.841+/-0.000 χ^2/NDF: 3655358258.7/44

All: -40.611+/-0.000 χ^2/NDF: 6499827418.1/

- sign -40.381+/-0.000 χ^2/NDF: 2824516520.7/48

yield_cav4cY_rms vs Slug



Right In: 0.475+/-0.000 χ^2/NDF: 3371491.5/19

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.442+/-0.000 χ^2/NDF: 4602060.1/25

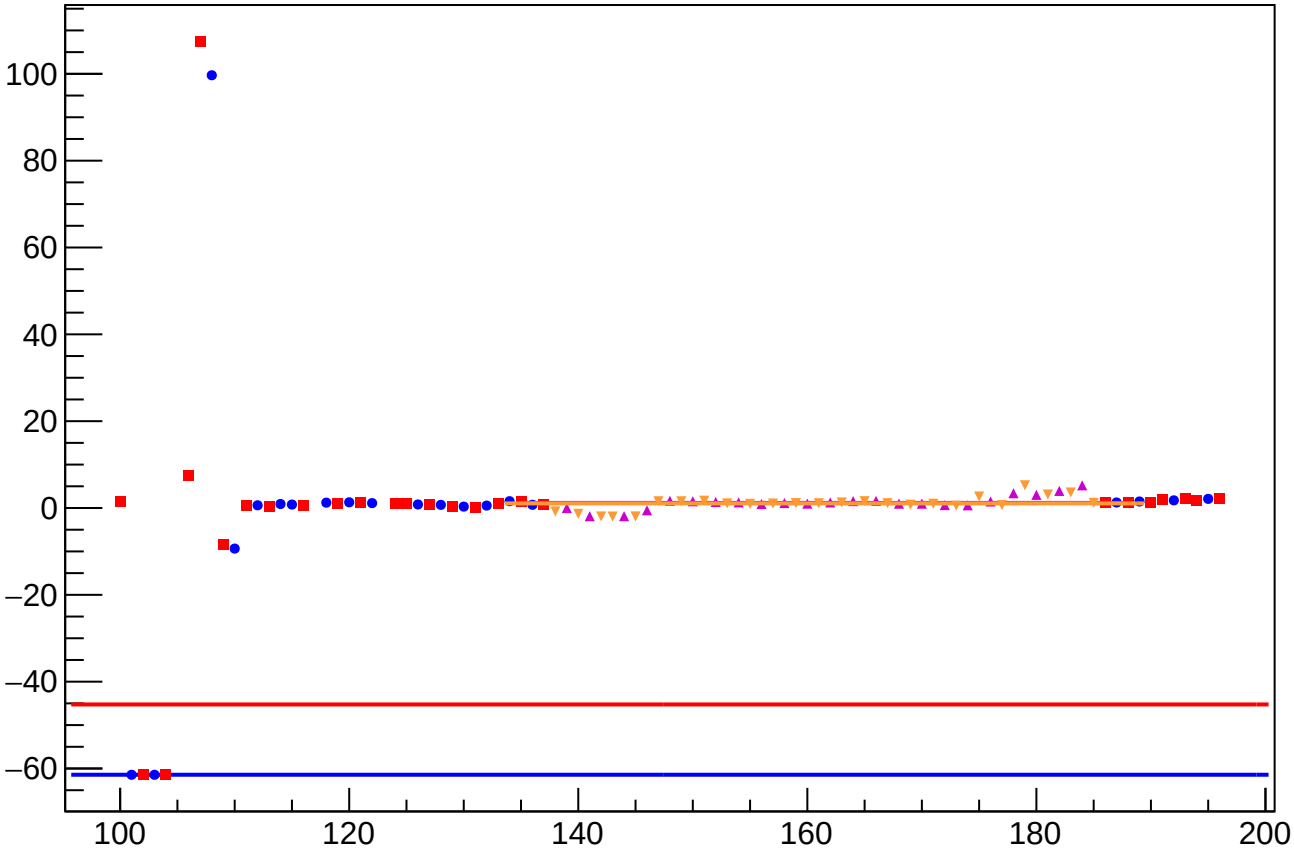
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.359+/-0.000 χ^2/NDF: 5638288.3/44

All: 0.361+/-0.000 χ^2/NDF: 11993690.0/93

- 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: 278276769551.7/19

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357875426190957.9/25

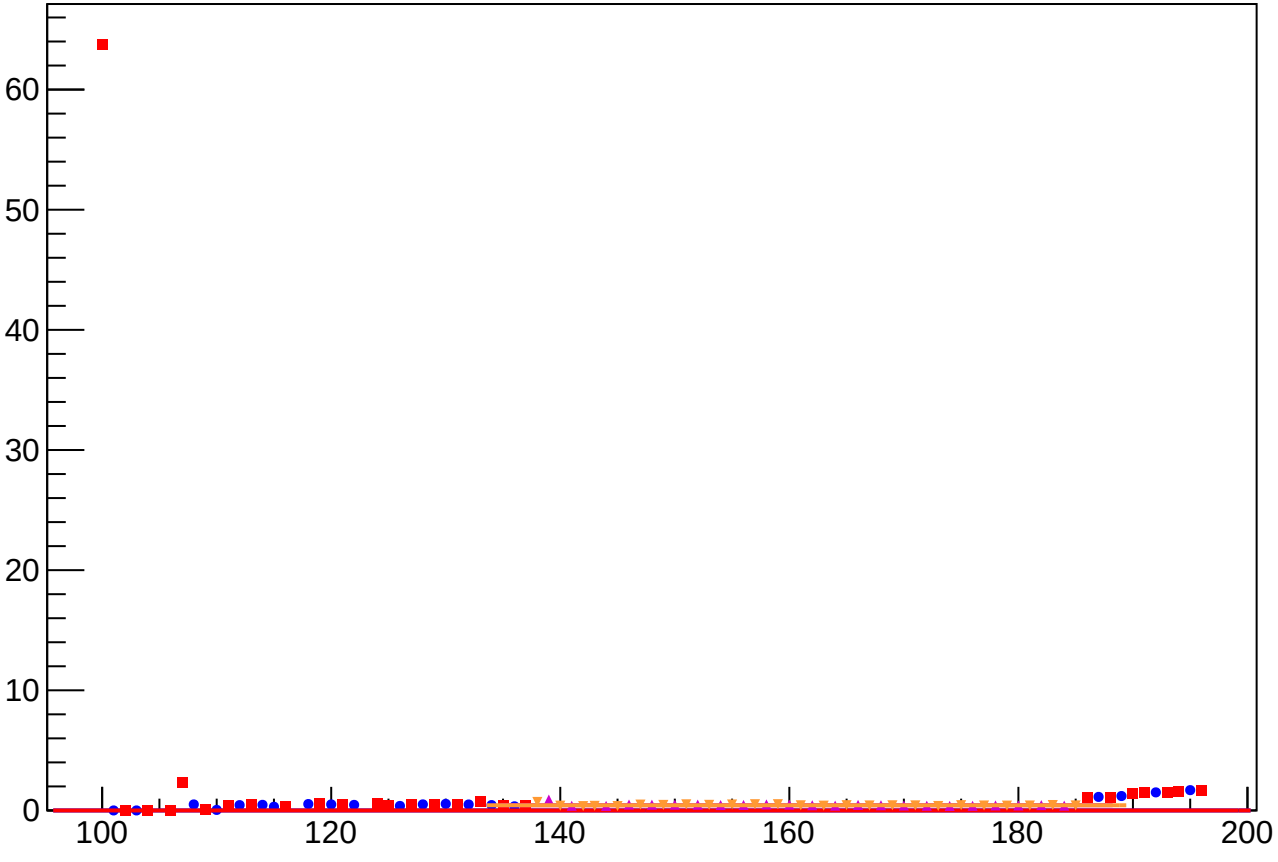
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 608283216003.5/4

All: -52.738+/-0.000 χ^2/NDF: 409601748667

- sign -45.236+/-0.000 χ^2/NDF: 358041991252905.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 14080744.6/19

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

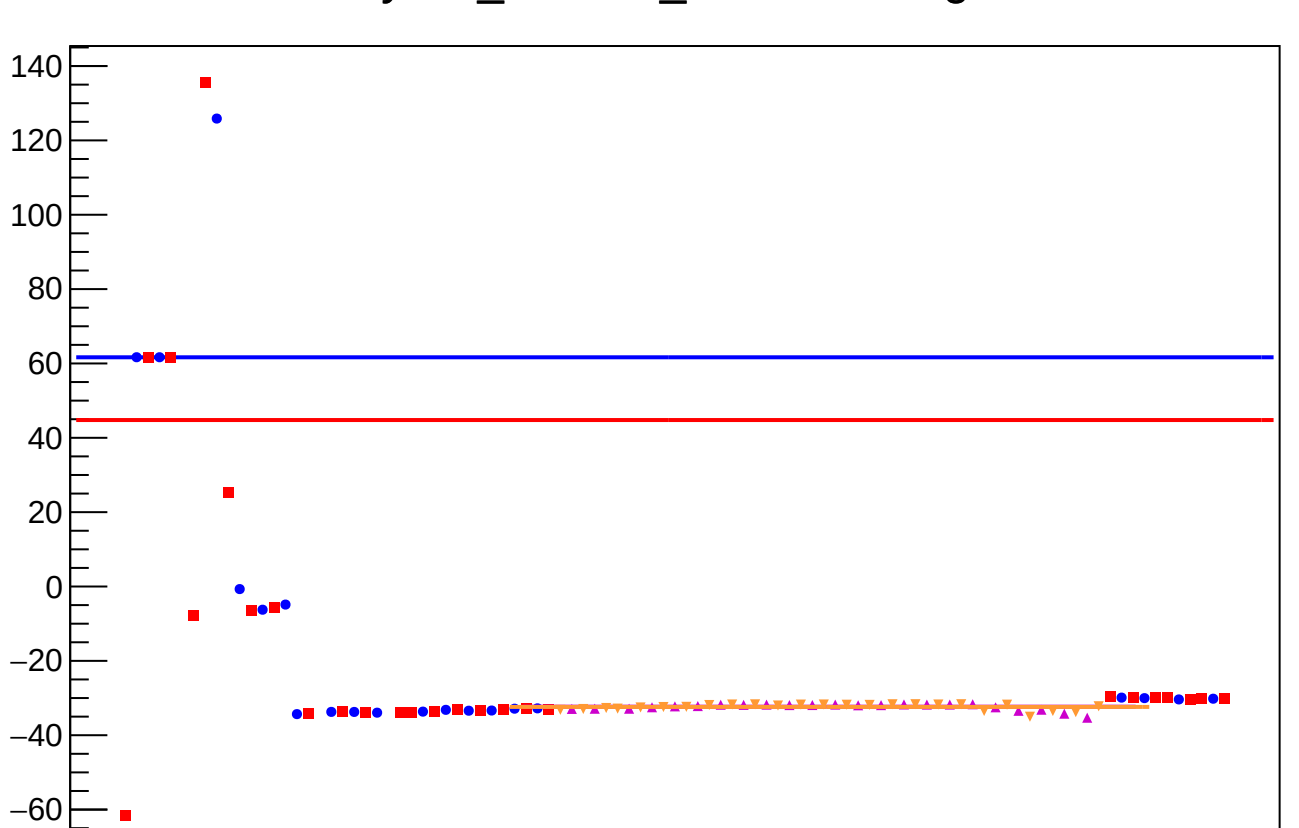
Right Out: 0.001+/-0.000 χ^2/NDF: 17970827.3/25

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 45845823.0/44

All: 0.002+/-0.000 χ^2/NDF: 93959134.4/93

- sign 0.002+/-0.000 χ^2/NDF: 48113163.7/48



Right In: 61.657+/-0.000 χ^2/NDF: 535535328966.9/19

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.779+/-0.000 χ^2/NDF: 366283456860191.6/25

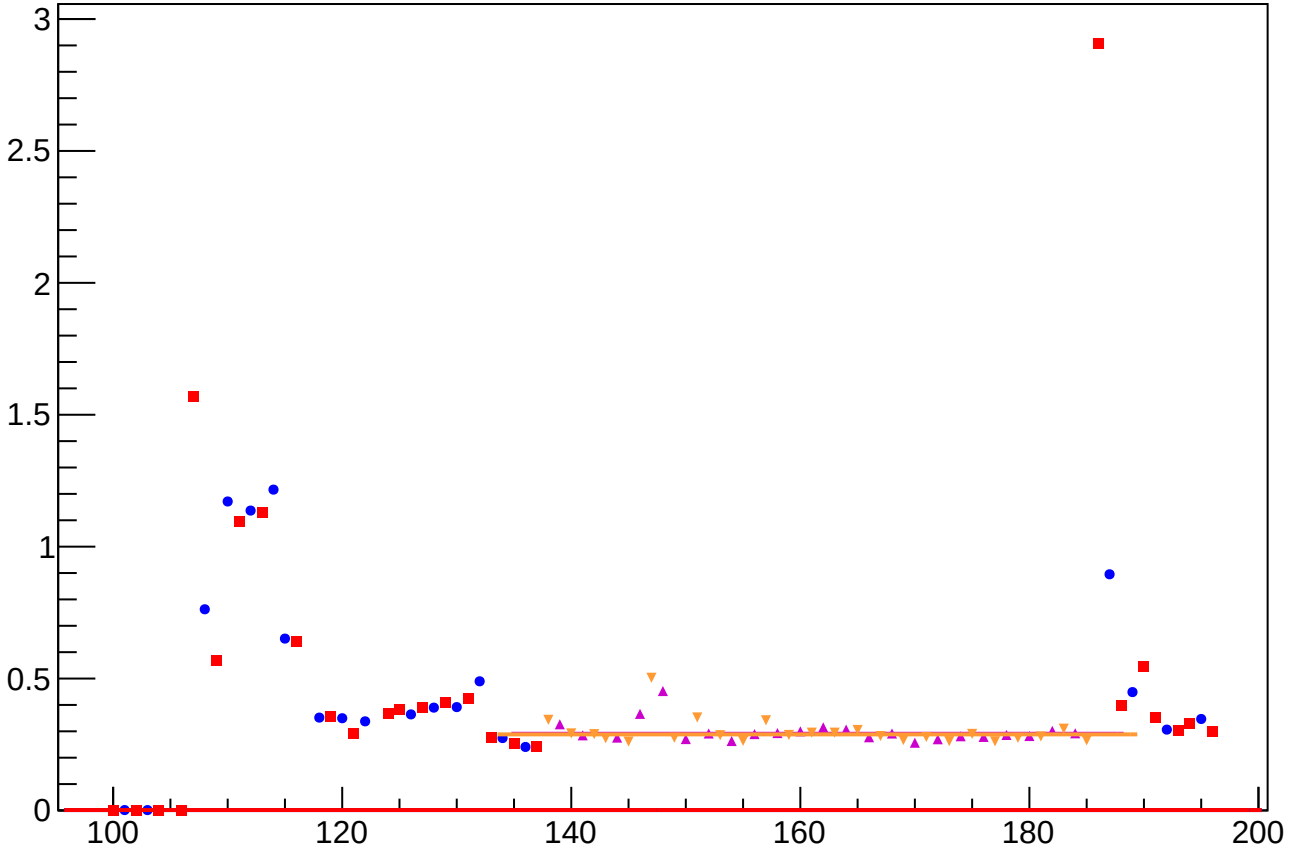
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.595+/-0.000 χ^2/NDF: 2493445698713.5/4

All: 52.632+/-0.000 χ^2/NDF: 421028150595

- sign 44.737+/-0.000 χ^2/NDF: 367511064022348.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 15878476.2/19

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 18978790.4/25

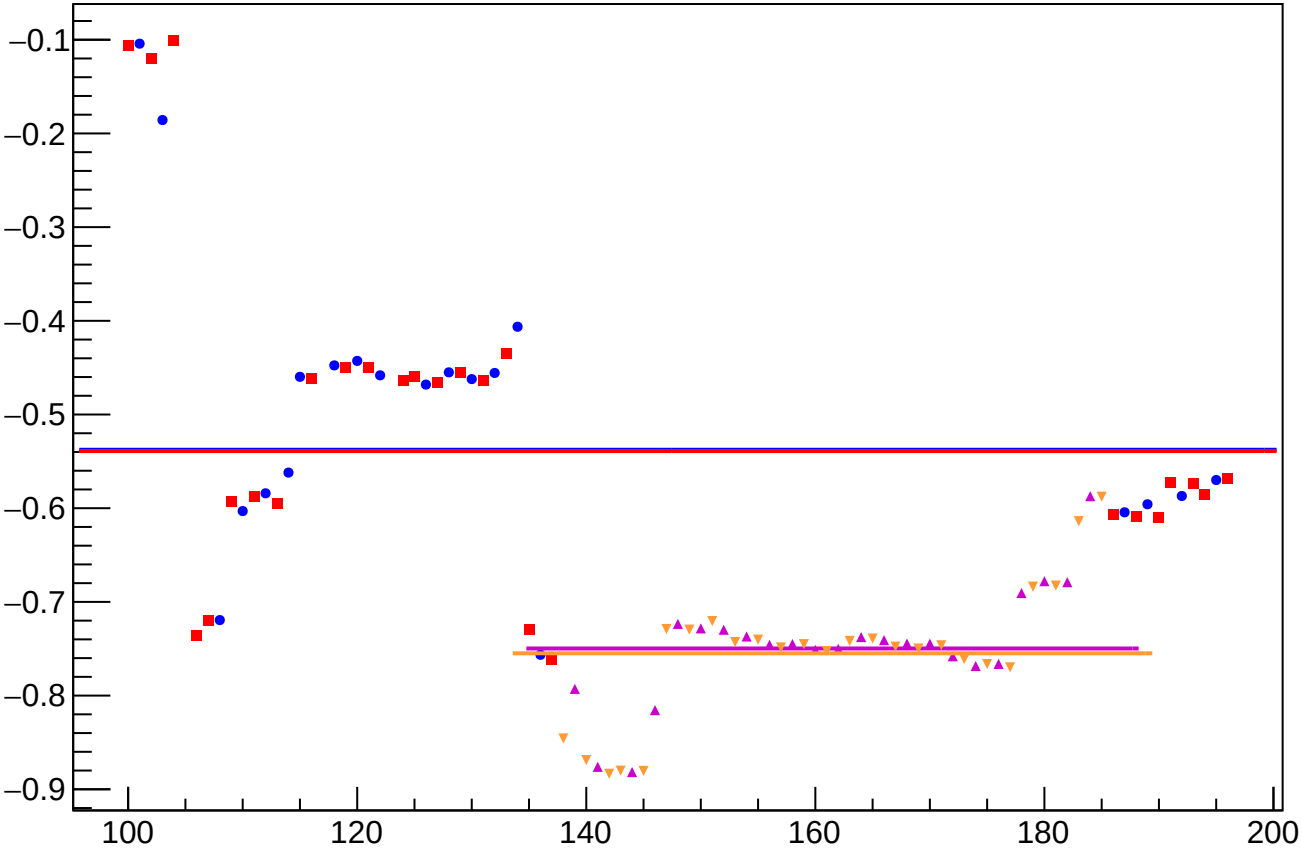
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 52836752.5/44

All: 0.002+/-0.000 χ^2/NDF: 106716872.5/93

- 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: 302542527.3/19

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218579618.7/25

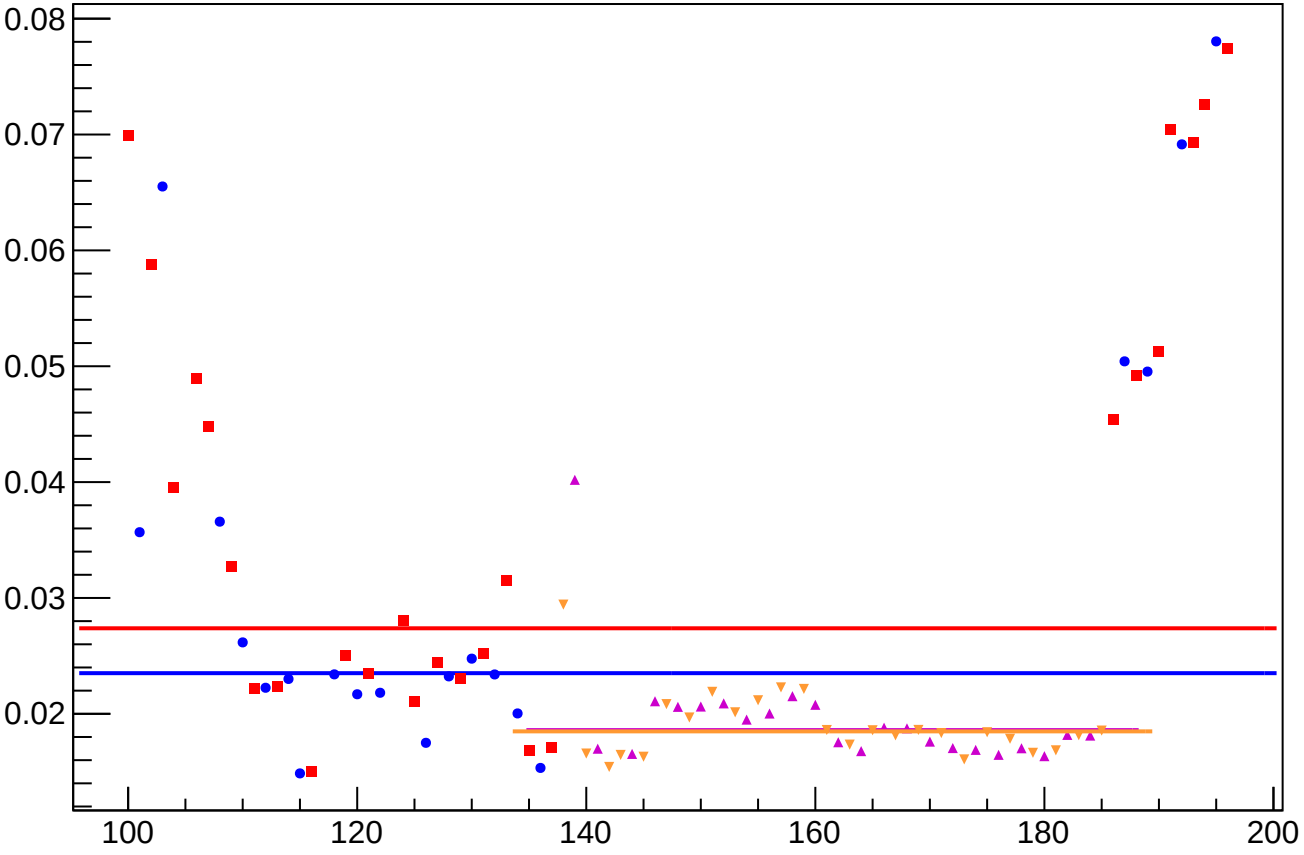
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 970673008.3/44

All: -0.707+/-0.000 χ^2/NDF: 1723636092.3/9

- 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: 3271265.3/19

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.027+/-0.000 χ^2/NDF: 4278406.6/25

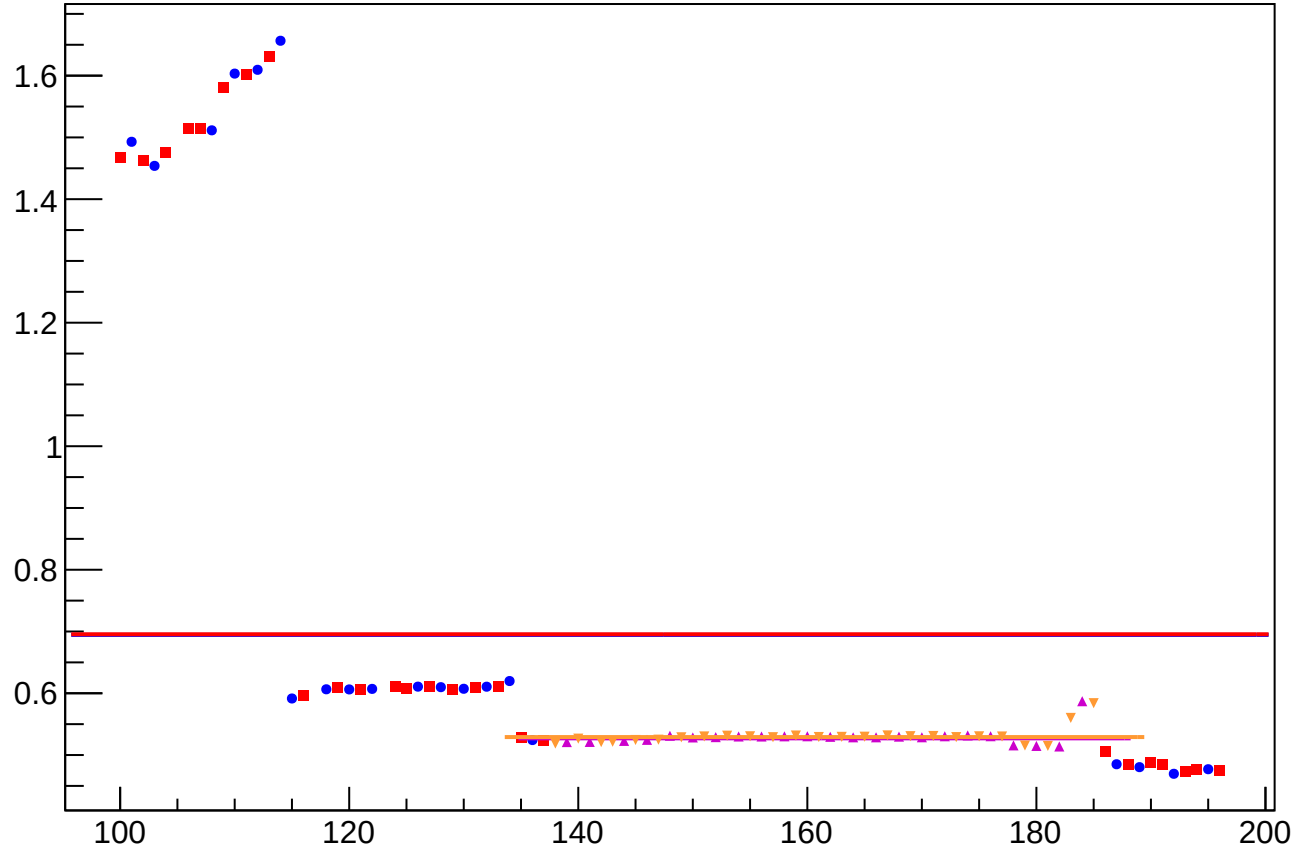
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 4250082.3/44

All: 0.020+/-0.000 χ^2/NDF: 10678458.6/93

- sign 0.020+/-0.000 χ^2/NDF: 6385140.0/48

yield_bpm4aY_mean vs Slug



Right In: 0.694+/-0.000 χ^2/NDF: 4881780071.2/19

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.696+/-0.000 χ^2/NDF: 5895499506.6/25

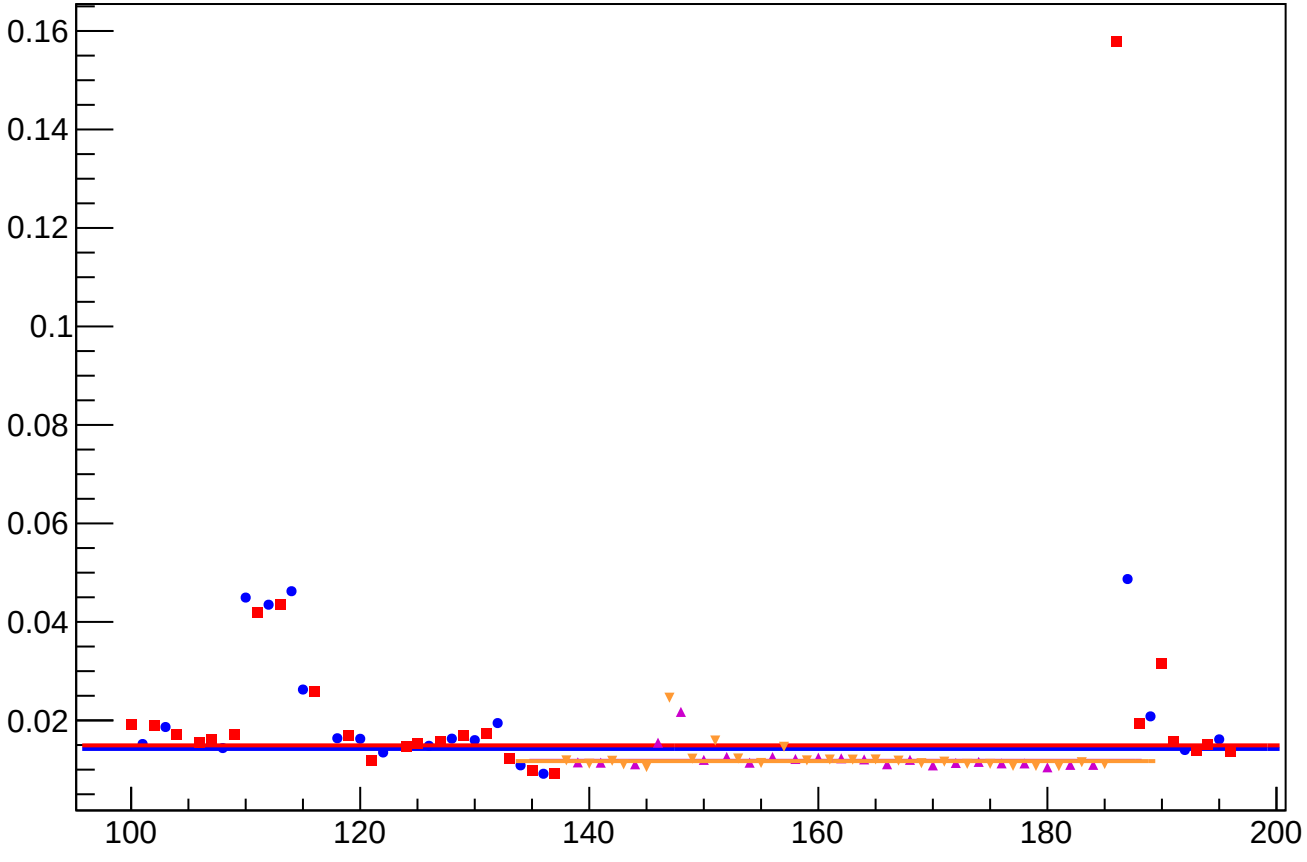
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.567+/-0.000 χ^2/NDF: 5752911665.1/44

All: 0.569+/-0.000 χ^2/NDF: 12602482324.3/9

- 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: 1958430.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2376883.0/25

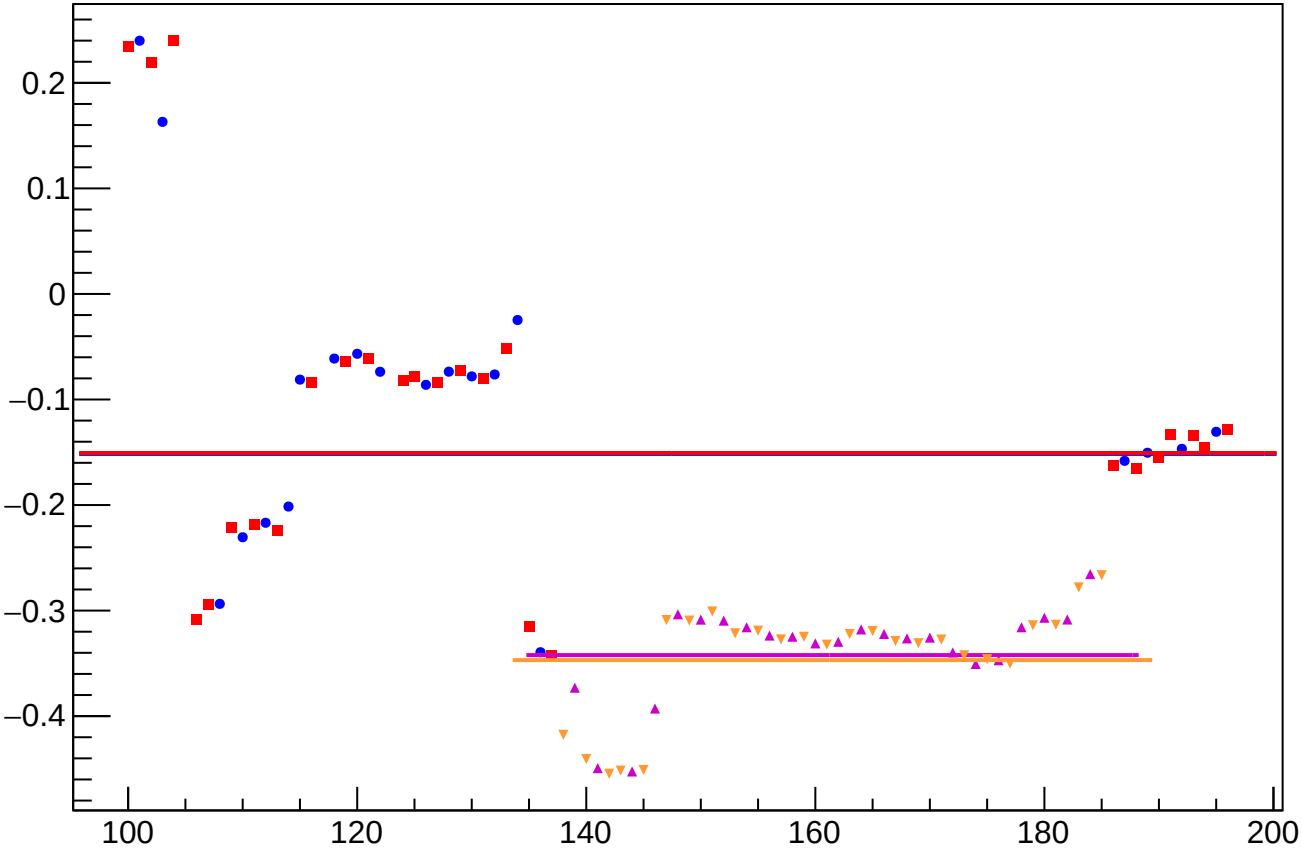
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3040087.6/44

All: 0.012+/-0.000 χ^2/NDF: 6605600.2/93

- 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: 276865957.8/19

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

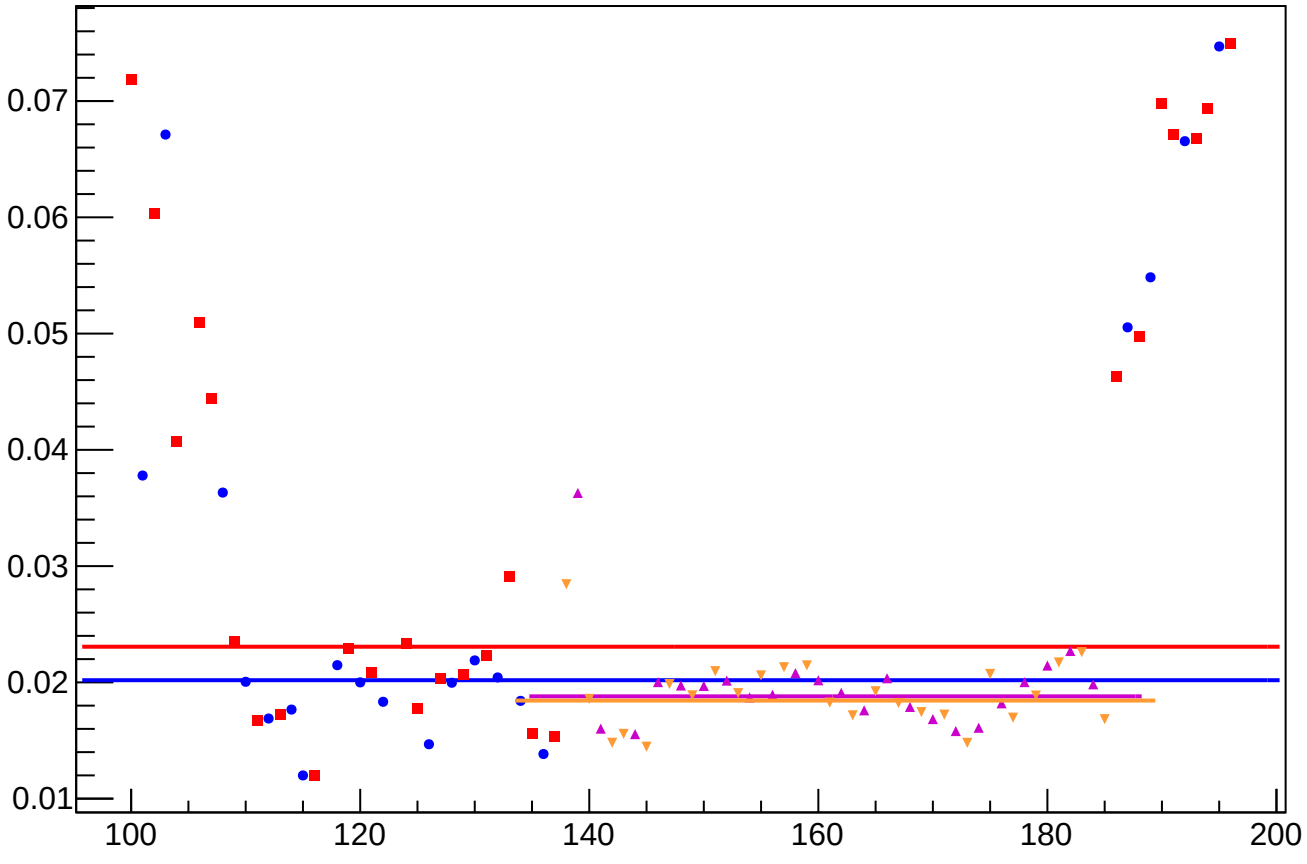
Right Out: -0.151+/-0.000 χ^2/NDF: 199652242.9/25

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 857802357.8/44

All: -0.295+/-0.000 χ^2/NDF: 1550250906.5/9

- sign -0.293+/-0.000 χ^2/NDF: 691841227.7/48



Right In: 0.020+/-0.000 χ^2/NDF: 3803716.1/19

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5256293.8/25

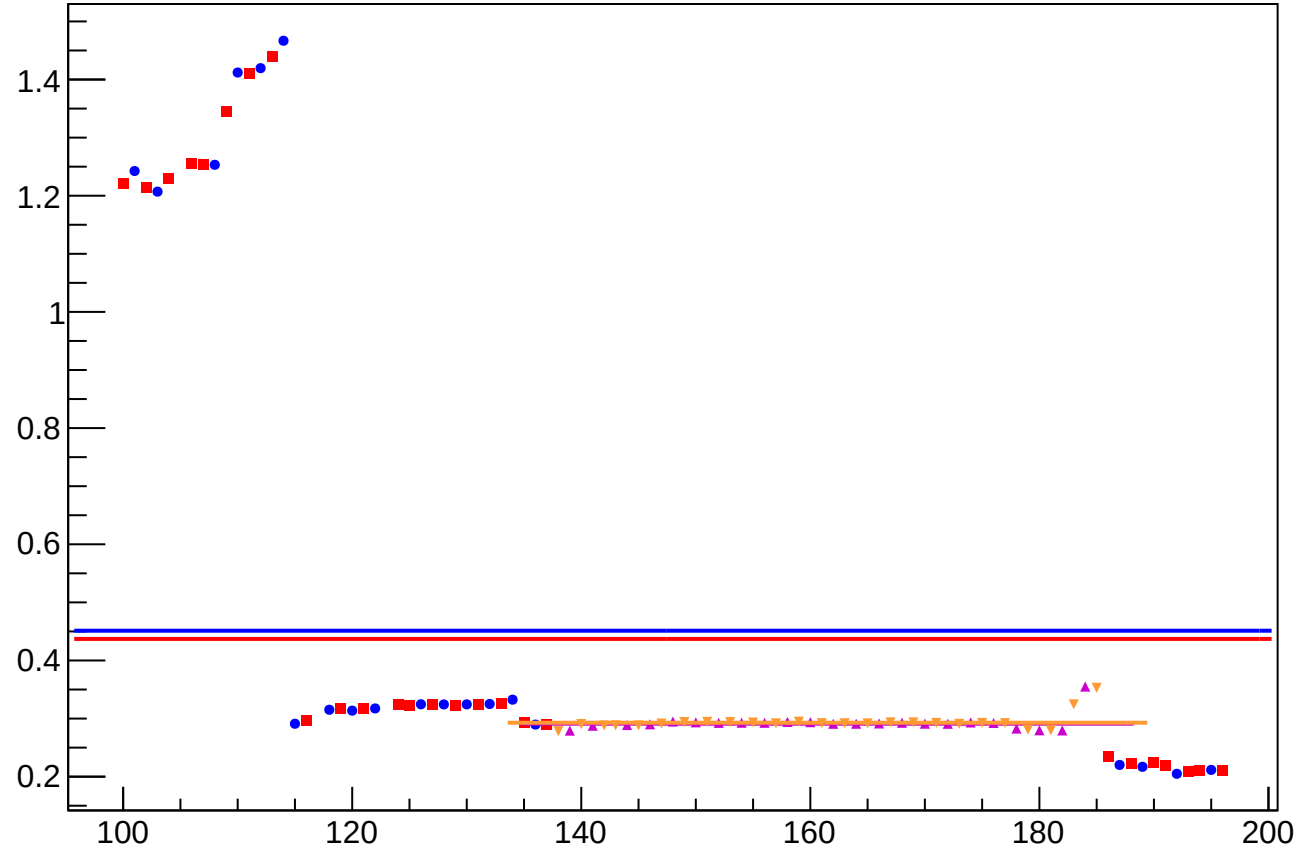
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 4516785.7/44

All: 0.019+/-0.000 χ^2/NDF: 10956032.7/93

- sign 0.020+/-0.000 χ^2/NDF: 6376621.1/48

yield_bpm4eY_mean vs Slug



Right In: 0.451+/-0.000 χ^2/NDF: 7195453111.7/19

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.437+/-0.000 χ^2/NDF: 8359738803.8/25

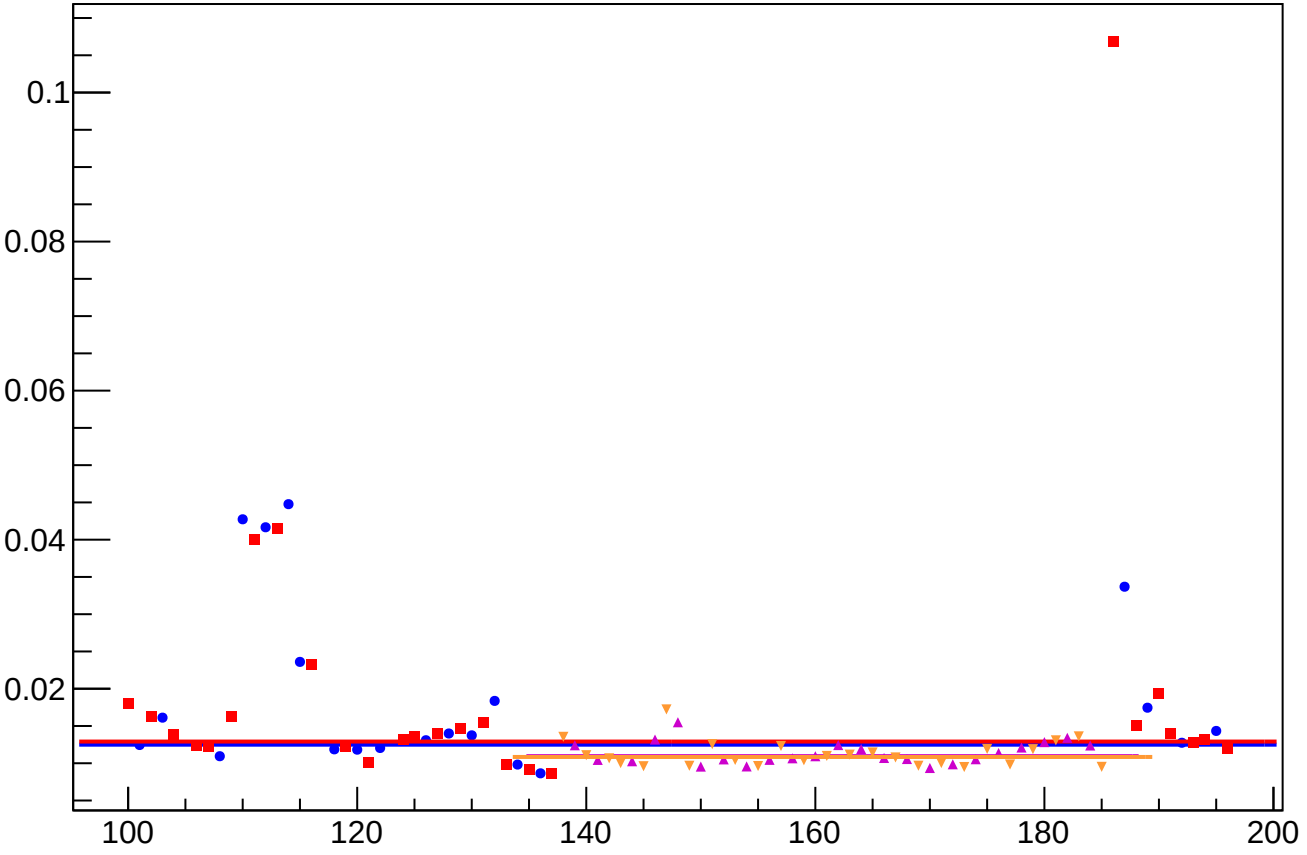
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.333+/-0.000 χ^2/NDF: 8205970807.5/44

All: 0.334+/-0.000 χ^2/NDF: 17479712342.4/9

- sign 0.334+/-0.000 χ^2/NDF: 9273663002.7/48

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1762627.9/19

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2158180.6/25

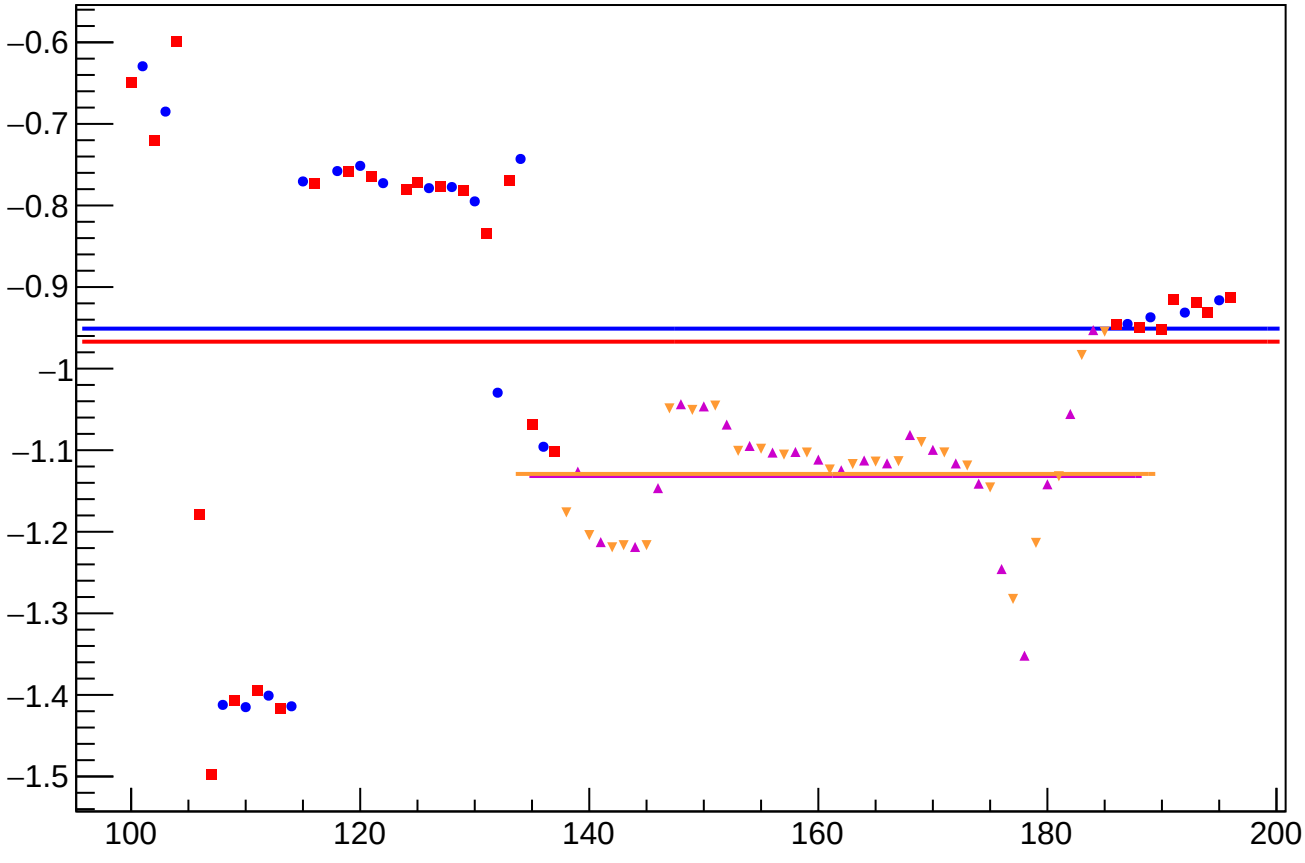
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2632030.3/44

All: 0.011+/-0.000 χ^2/NDF: 5641261.4/93

- 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: 699780215.8/19

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716043580.7/25

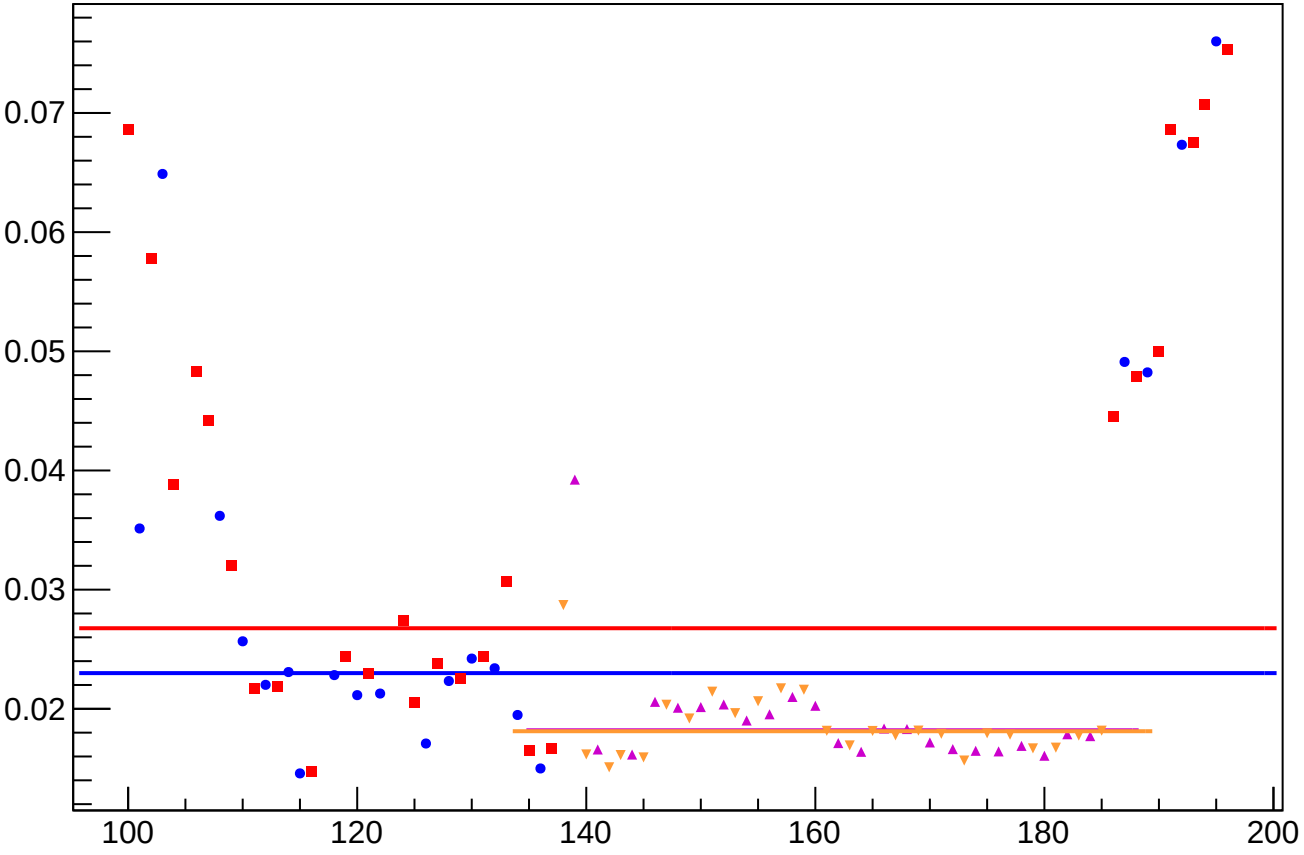
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1257538730.8/44

All: -1.094+/-0.000 χ^2/NDF: 2485650842.9/9

- sign -1.097+/-0.000 χ^2/NDF: 1227093179.5/48

yield_bpm4acX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 3274516.5/19

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 4270990.9/25

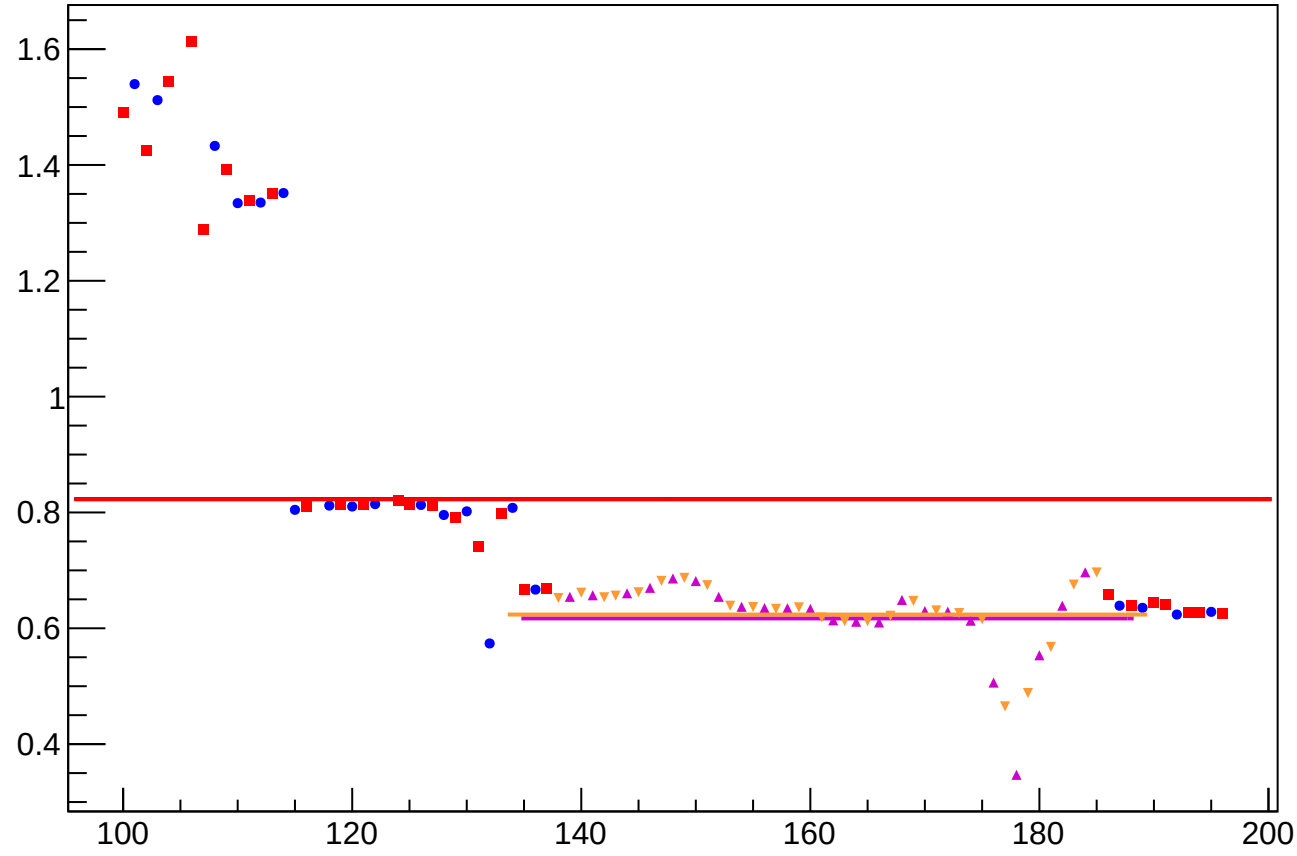
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 4227517.3/44

All: 0.020+/-0.000 χ^2/NDF: 10619396.0/93

- sign 0.020+/-0.000 χ^2/NDF: 6351446.7/48

yield_bpm4acY_mean vs Slug



Right In: 0.823+/-0.000 χ^2/NDF: 3250535903.3/19

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.823+/-0.000 χ^2/NDF: 3658634046.4/25

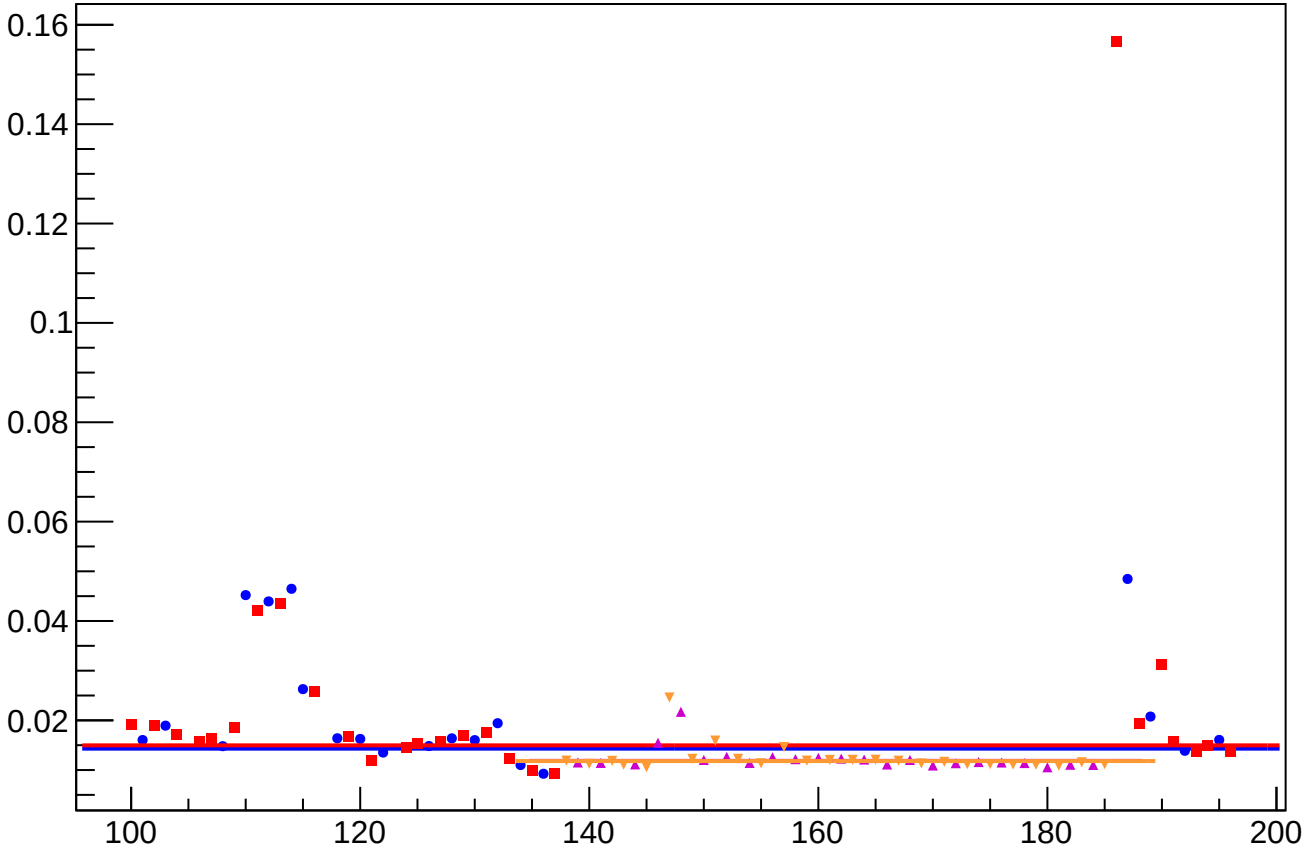
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.670+/-0.000 χ^2/NDF: 4872637922.6/44

All: 0.670+/-0.000 χ^2/NDF: 10567188327.5/9

- 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: 1943959.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2381303.9/25

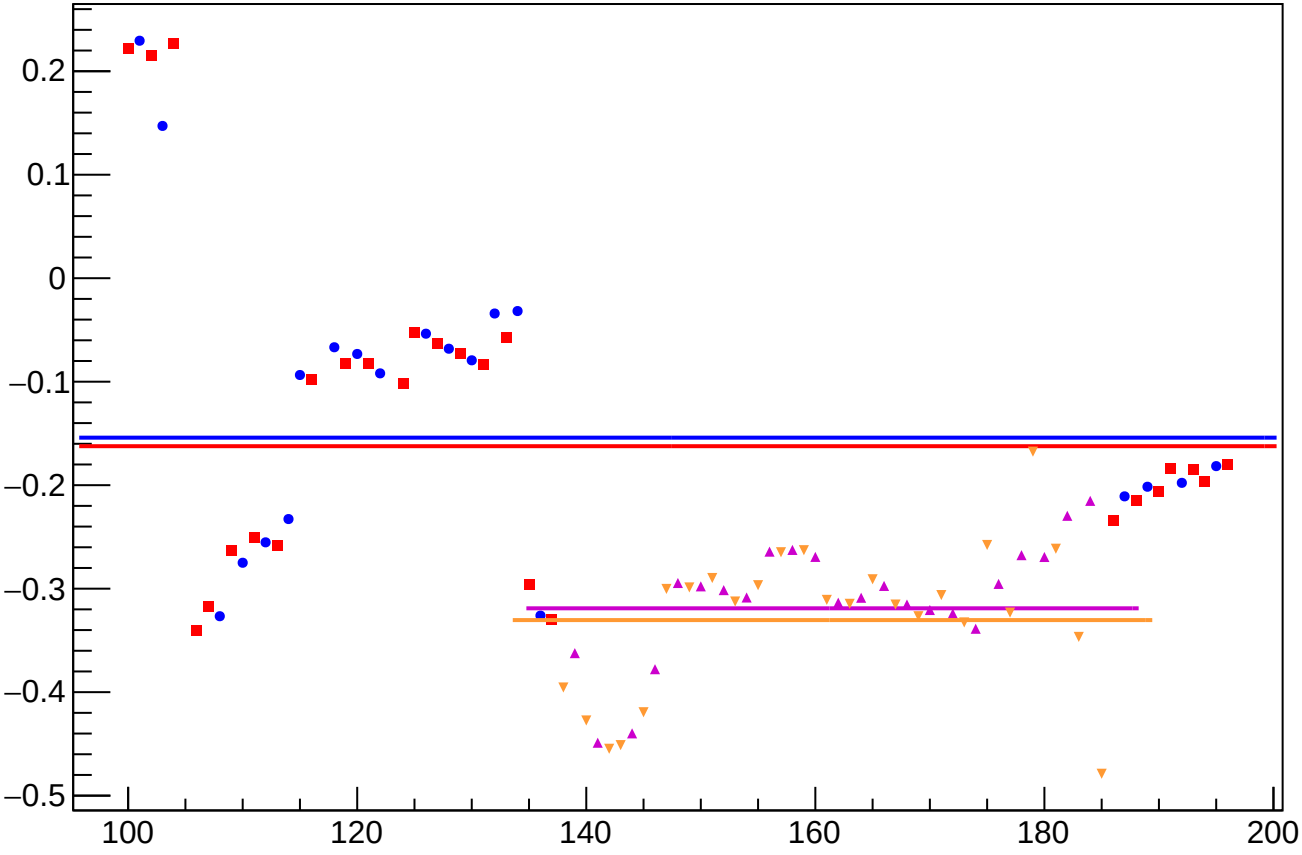
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3002958.6/44

All: 0.013+/-0.000 χ^2/NDF: 6546431.4/93

- sign 0.013+/-0.000 χ^2/NDF: 3530329.9/48

yield_bpm4ecX_mean vs Slug



Right In: -0.154+/-0.000 χ^2/NDF: 275394165.5/19

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 198171917.3/25

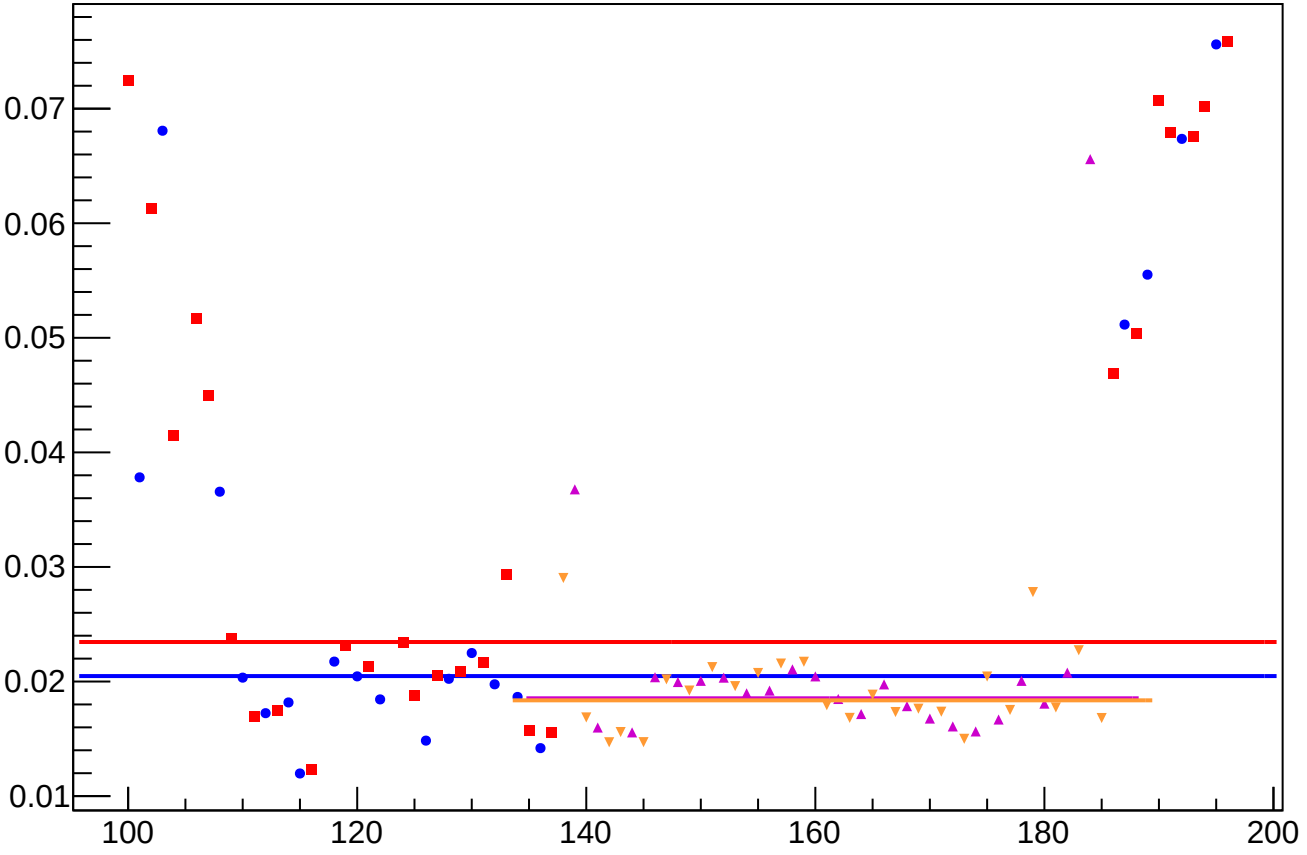
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 819122476.4/44

All: -0.282+/-0.000 χ^2/NDF: 1412883862.4/9

- sign -0.279+/-0.000 χ^2/NDF: 592604603.5/48

yield_bpm4ecX_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 3776380.0/19

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5222747.0/25

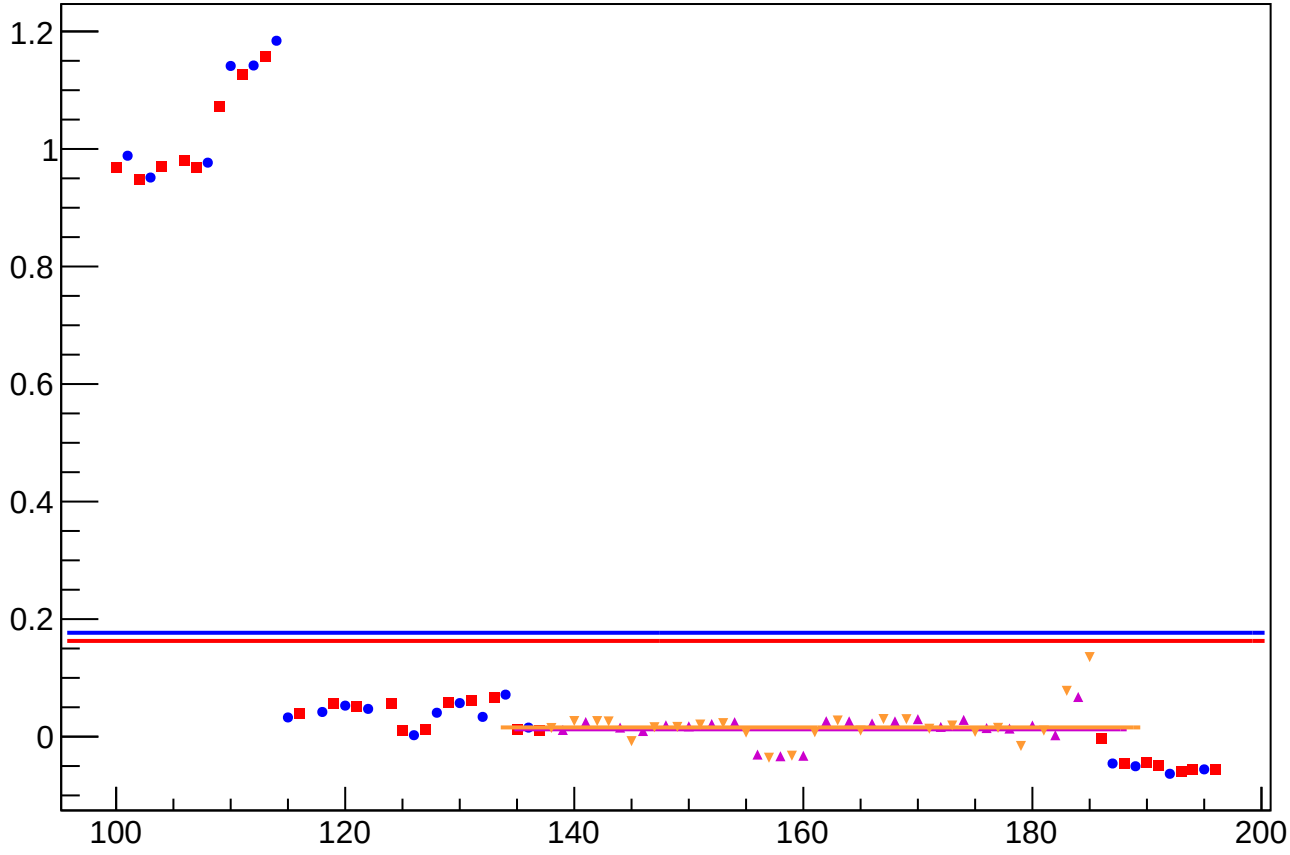
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 4618073.7/44

All: 0.019+/-0.000 χ^2/NDF: 11339819.9/93

- sign 0.020+/-0.000 χ^2/NDF: 6675553.1/48

yield_bpm4ecY_mean vs Slug



Right In: 0.177+/-0.000 χ^2/NDF: 7336905072.7/19

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.163+/-0.000 χ^2/NDF: 8304153406.6/25

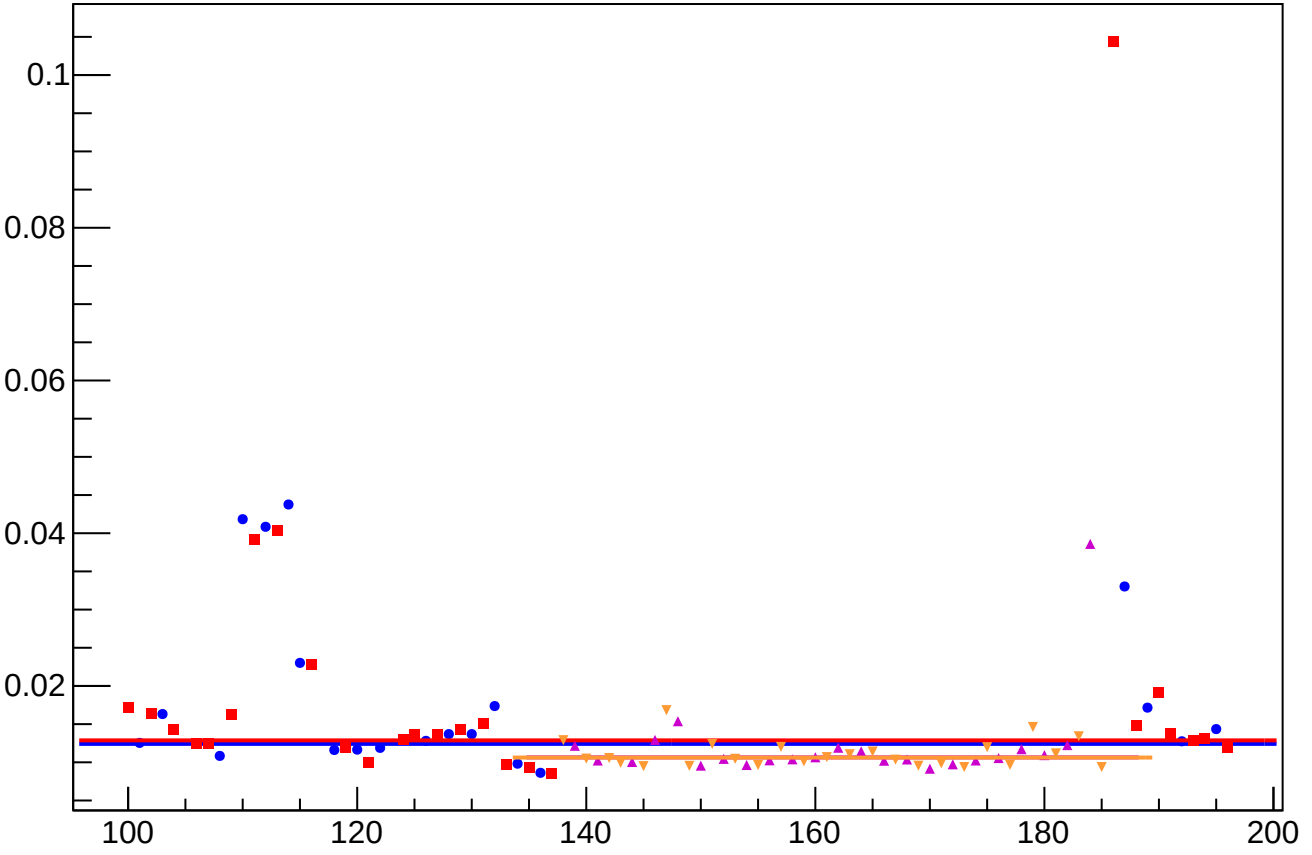
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.057+/-0.000 χ^2/NDF: 8482946804.6/44

All: 0.056+/-0.000 χ^2/NDF: 17821096823.3/9

- 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: 1728312.9/19

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2103260.8/25

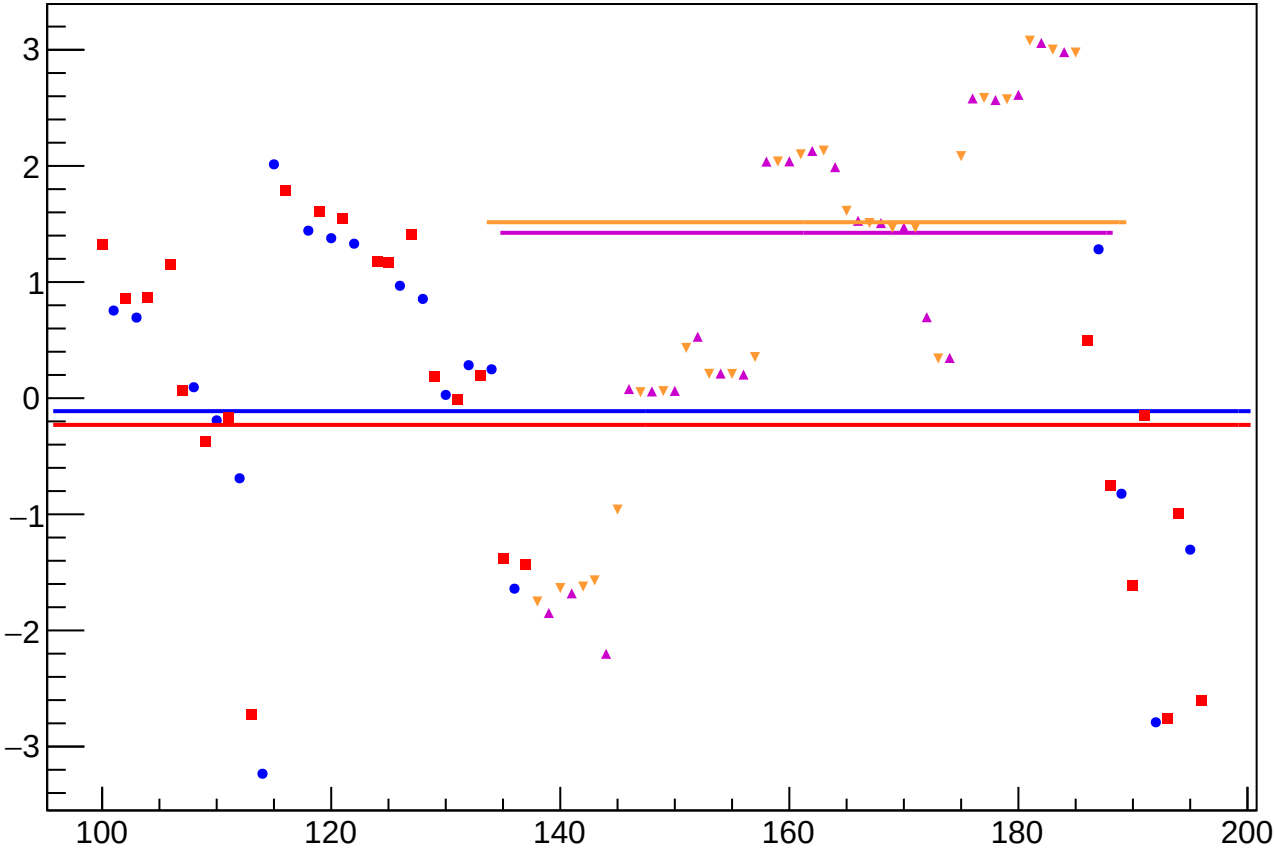
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2608511.5/44

All: 0.011+/-0.000 χ^2/NDF: 5721224.5/93

- sign 0.011+/-0.000 χ^2/NDF: 3103862.0/48

yield_bpm1X_mean vs Slug



Right In: -0.112+/-0.000 χ^2/NDF: 4218749567.1/19

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.230+/-0.000 χ^2/NDF: 5061354091.3/25

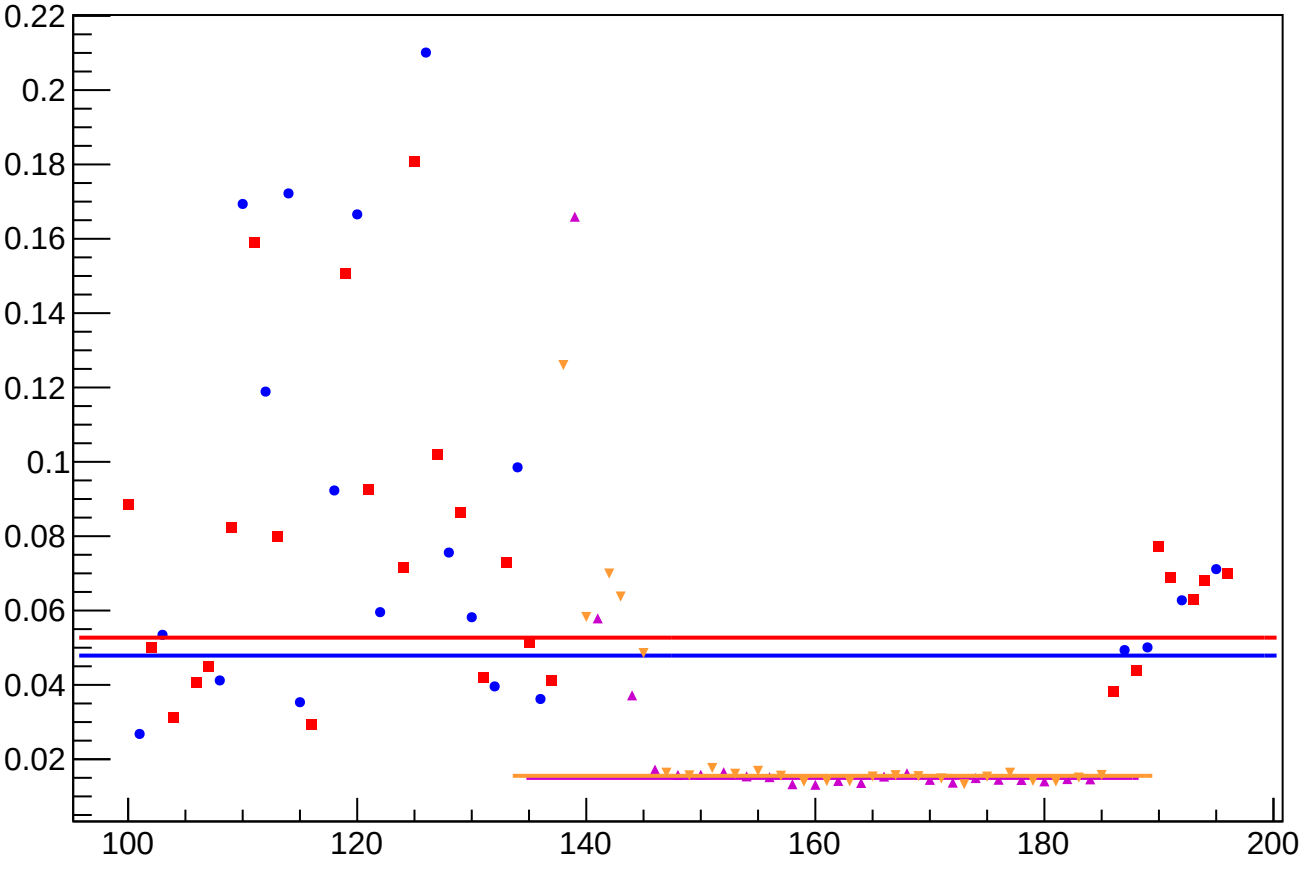
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.447+/-0.000 χ^2/NDF: 78676225529.5/44

All: 1.397+/-0.000 χ^2/NDF: 159900579468.4

- sign 1.348+/-0.000 χ^2/NDF: 80907644019.9/48

yield_bpm1X_rms vs Slug



Right In: 0.048+/-0.000 χ^2/NDF: 3128164.9/19

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

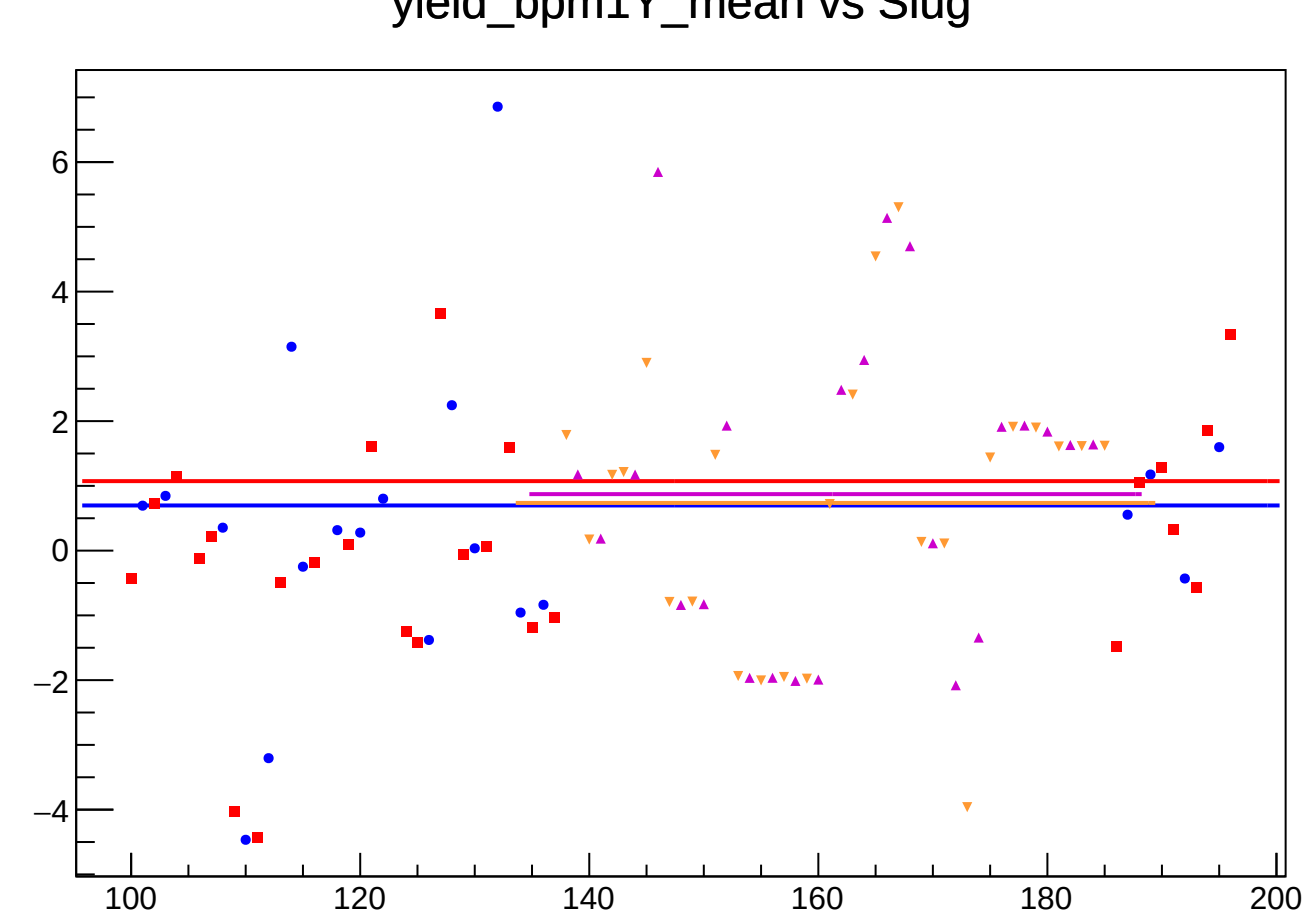
Right Out: 0.053+/-0.000 χ^2/NDF: 2858279.2/25

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 11381493.2/44

All: 0.017+/-0.000 χ^2/NDF: 24543253.0/93

- sign 0.017+/-0.000 χ^2/NDF: 13159625.0/48



Right In: 0.698+/-0.000 χ^2/NDF: 16418113694.9/19

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.073+/-0.000 χ^2/NDF: 24056734772.0/25

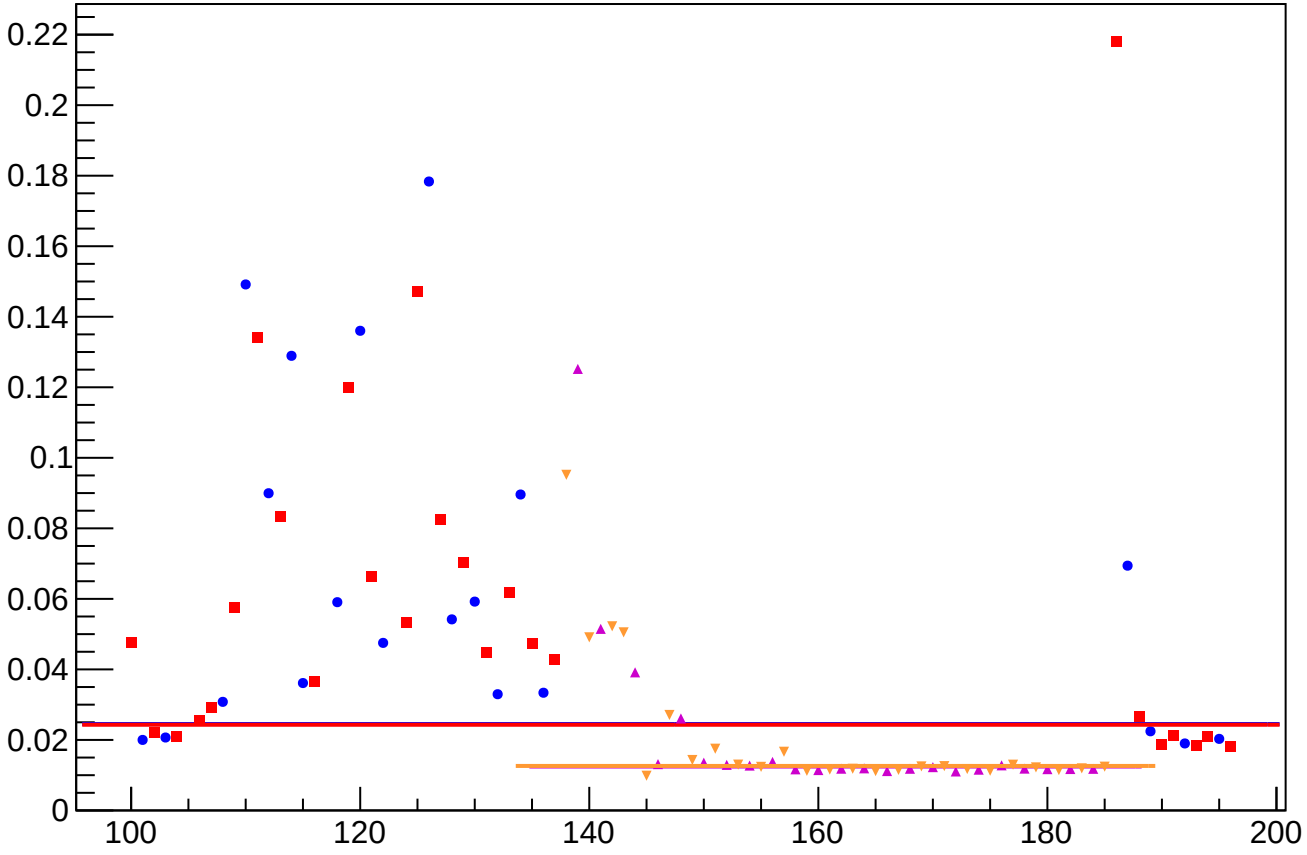
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.733+/-0.000 χ^2/NDF: 552393651436.0/44

All: 0.815+/-0.000 χ^2/NDF: 1198479248921.

- 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: 3762964.9/19

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

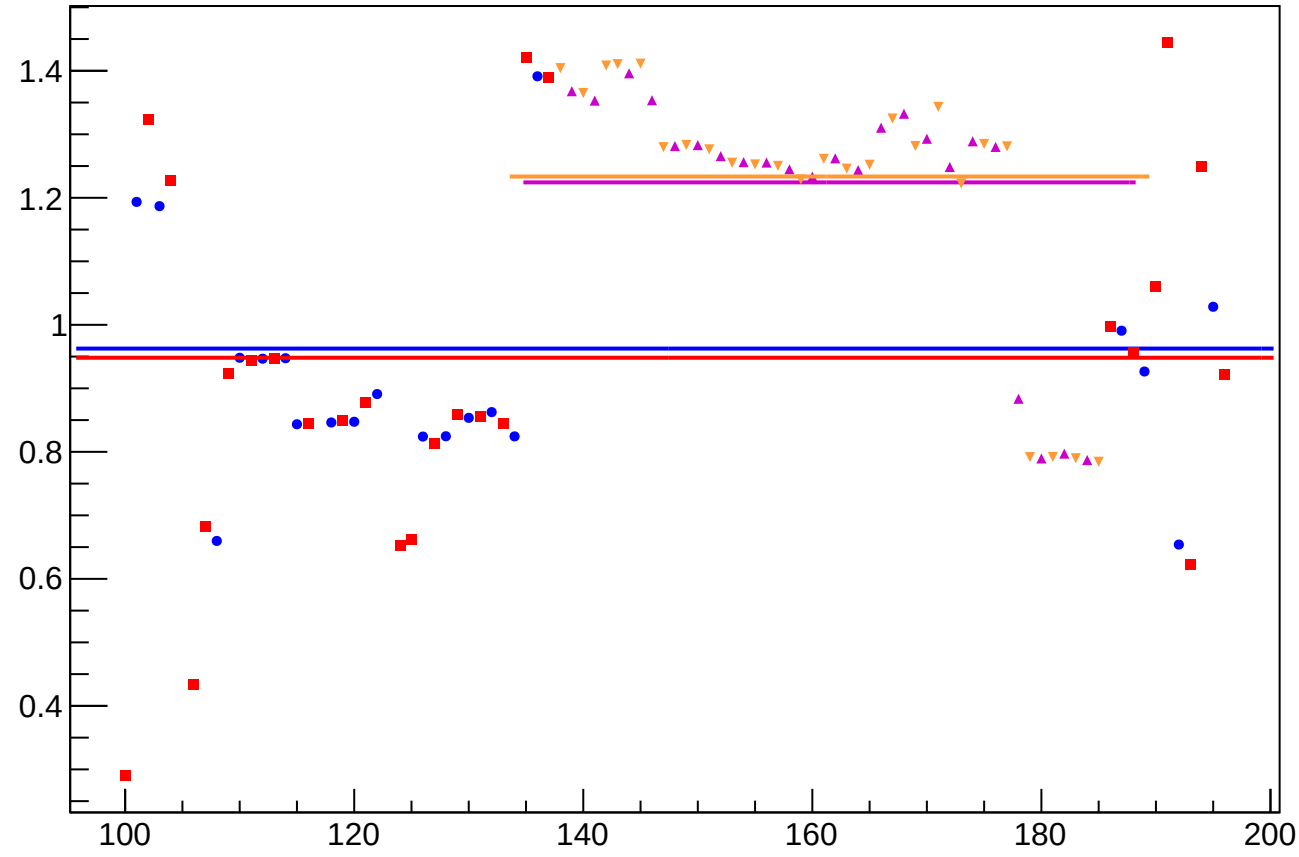
Right Out: 0.024+/-0.000 χ^2/NDF: 4836734.6/25

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9364908.6/44

All: 0.014+/-0.000 χ^2/NDF: 20011444.4/93

- sign 0.014+/-0.000 χ^2/NDF: 10645179.7/48



Right In: 0.963+/-0.000 χ^2/NDF: 1589560930.4/19

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.948+/-0.000 χ^2/NDF: 1930407189.1/25

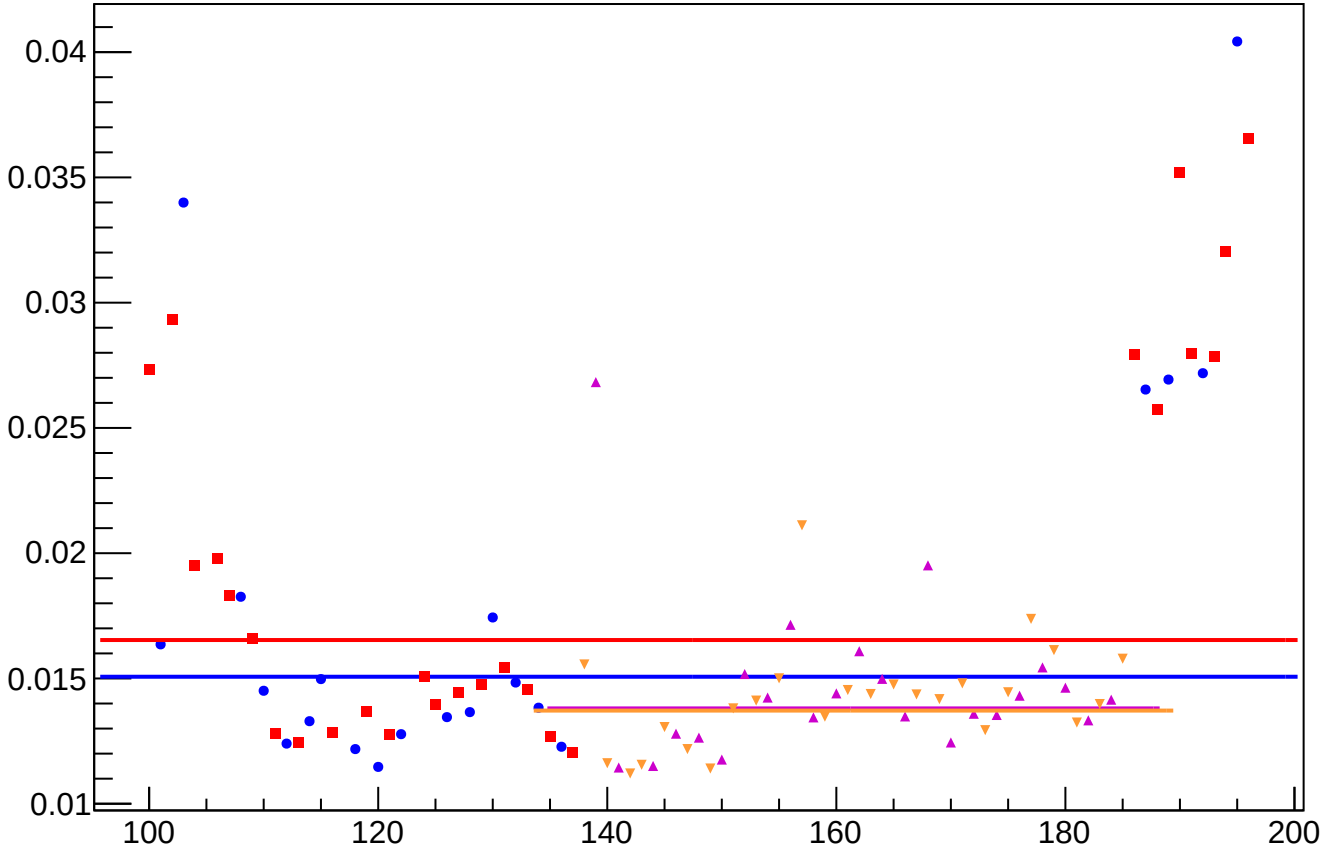
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6486982068.0/44

All: 1.151+/-0.000 χ^2/NDF: 12989775683.5/9

- 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: 1968611.8/19

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 2530358.0/25

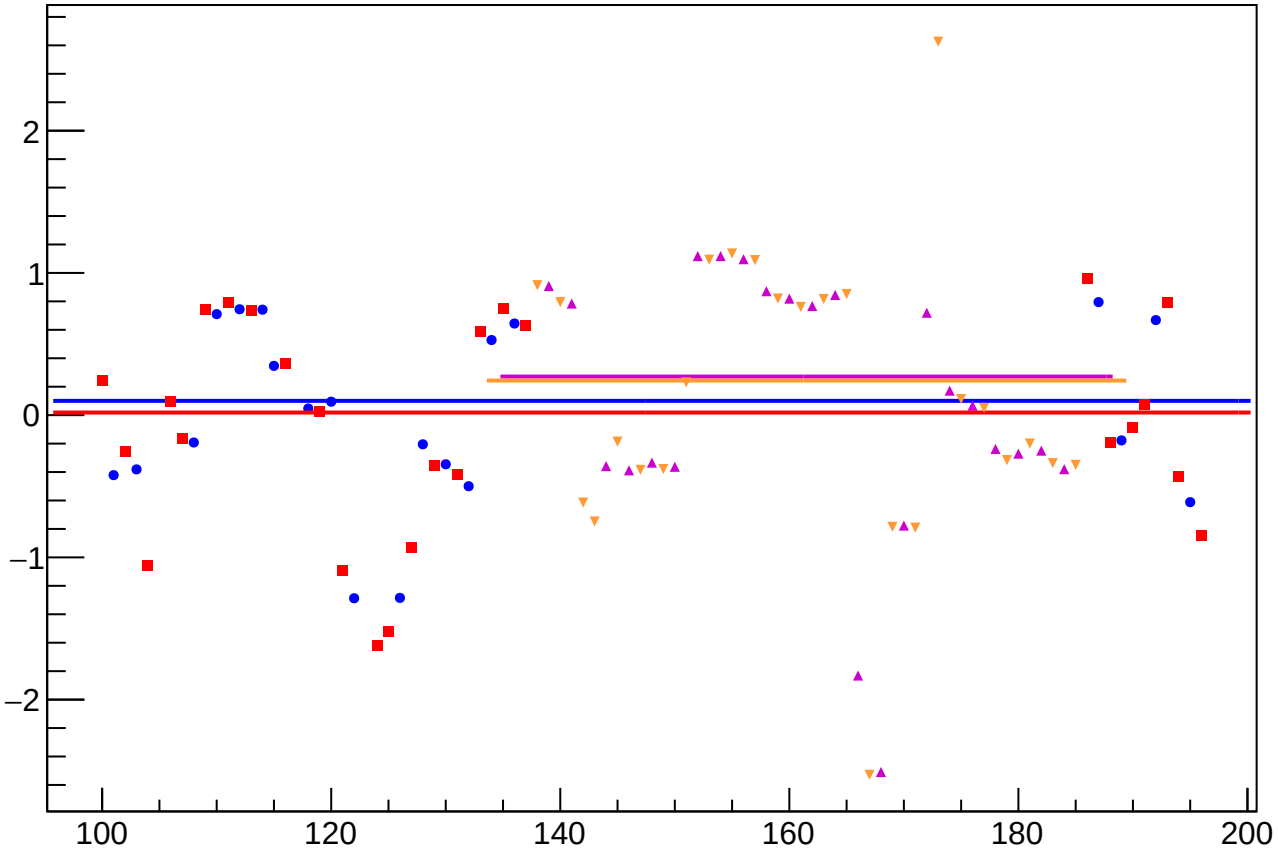
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 2611593.9/44

All: 0.014+/-0.000 χ^2/NDF: 6416362.2/93

- sign 0.015+/-0.000 χ^2/NDF: 3772937.9/48

yield_bpm11Y_mean vs Slug



Right In: 0.101+/-0.000 χ^2/NDF: 16862102287.1/19

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.019+/-0.000 χ^2/NDF: 27366422224.6/25

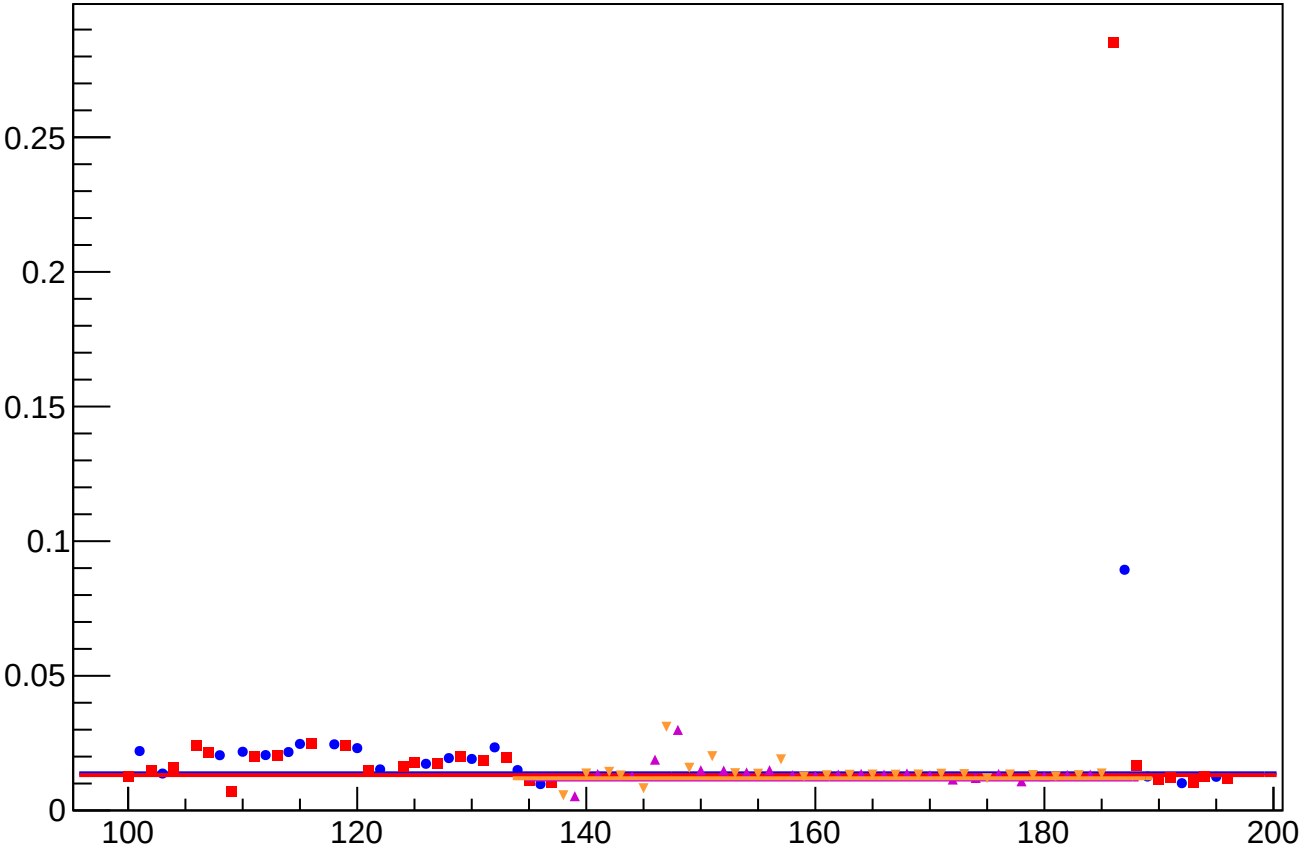
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.206+/-0.000 χ^2/NDF: 123085294238.9/44

All: 0.199+/-0.000 χ^2/NDF: 243336637006.8

- 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: 1959765.3/19

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

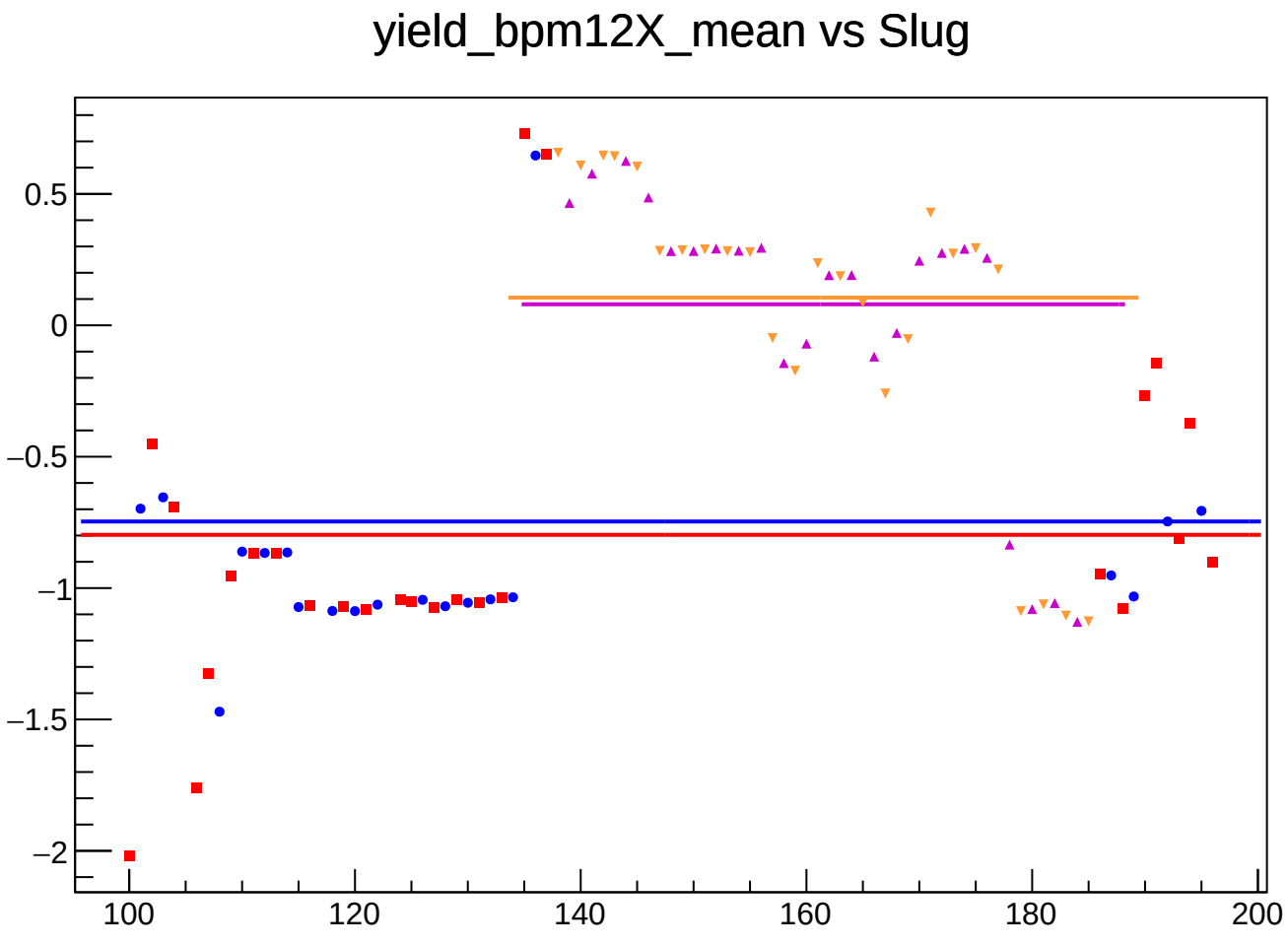
Right Out: 0.013+/-0.000 χ^2/NDF: 2636875.7/25

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5434909.4/44

All: 0.012+/-0.000 χ^2/NDF: 11973968.7/93

- sign 0.012+/-0.000 χ^2/NDF: 6508702.5/48



Right In: -0.747+/-0.000 χ^2/NDF: 2087502507.8/19

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.797+/-0.000 χ^2/NDF: 1975424226.0/25

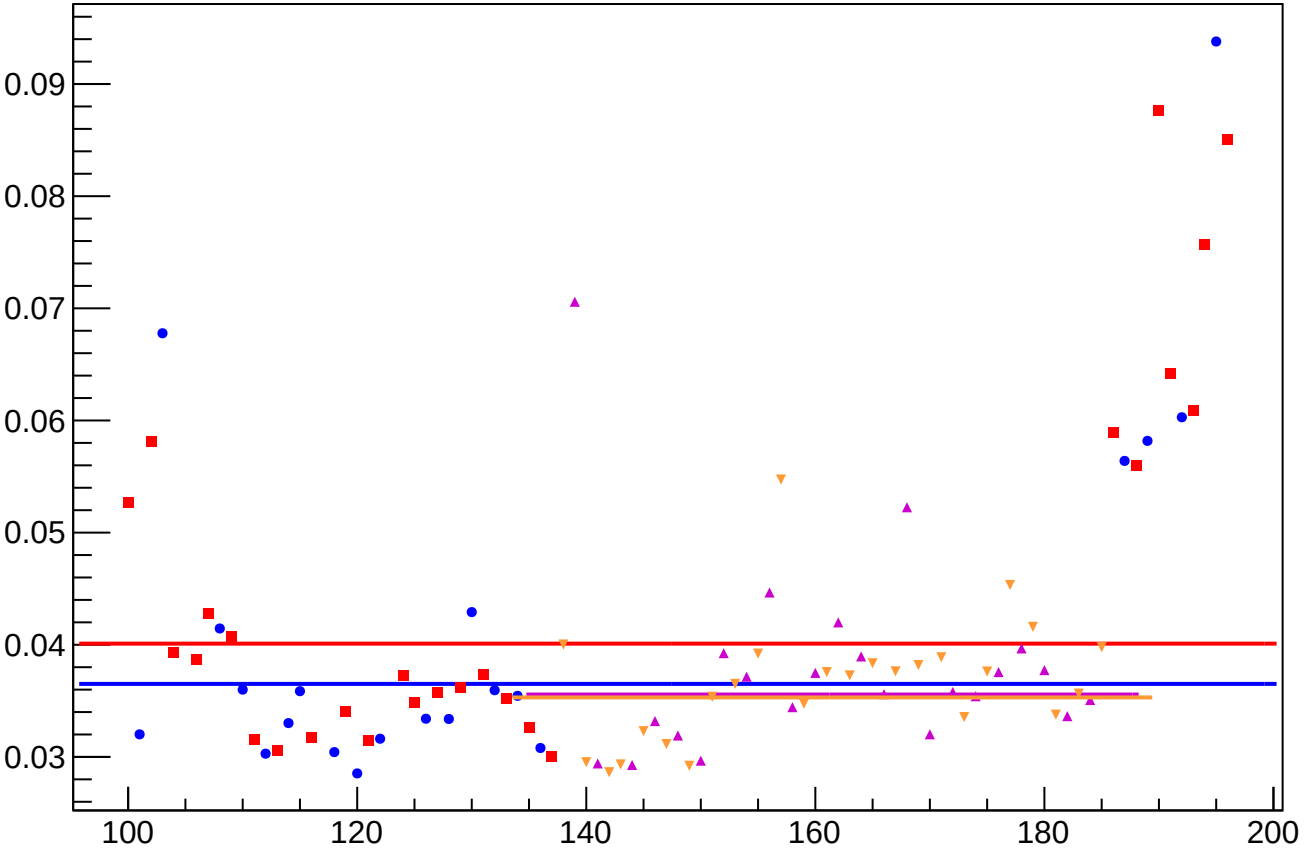
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.160+/-0.000 χ^2/NDF: 8926482004.8/44

All: -0.182+/-0.000 χ^2/NDF: 17378229001.9/

- 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: 1583275.0/19

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

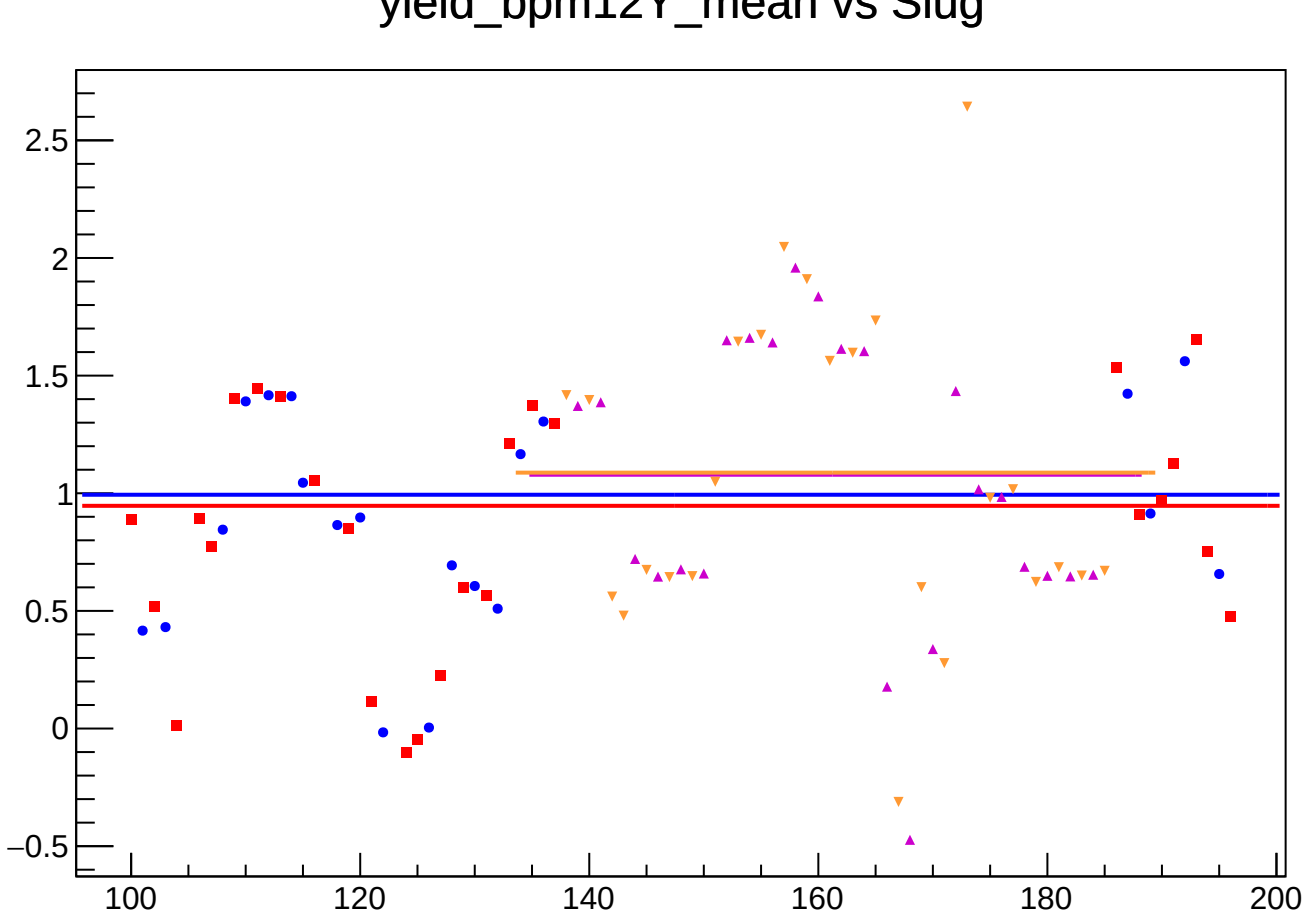
Right Out: 0.040+/-0.000 χ^2/NDF: 1996888.3/25

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.036+/-0.000 χ^2/NDF: 2208169.0/44

All: 0.036+/-0.000 χ^2/NDF: 5371475.3/93

- sign 0.037+/-0.000 χ^2/NDF: 3127763.3/48



Right In: 0.994+/-0.000 χ^2/NDF: 20169372964.0/19

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.947+/-0.000 χ^2/NDF: 27781370310.9/25

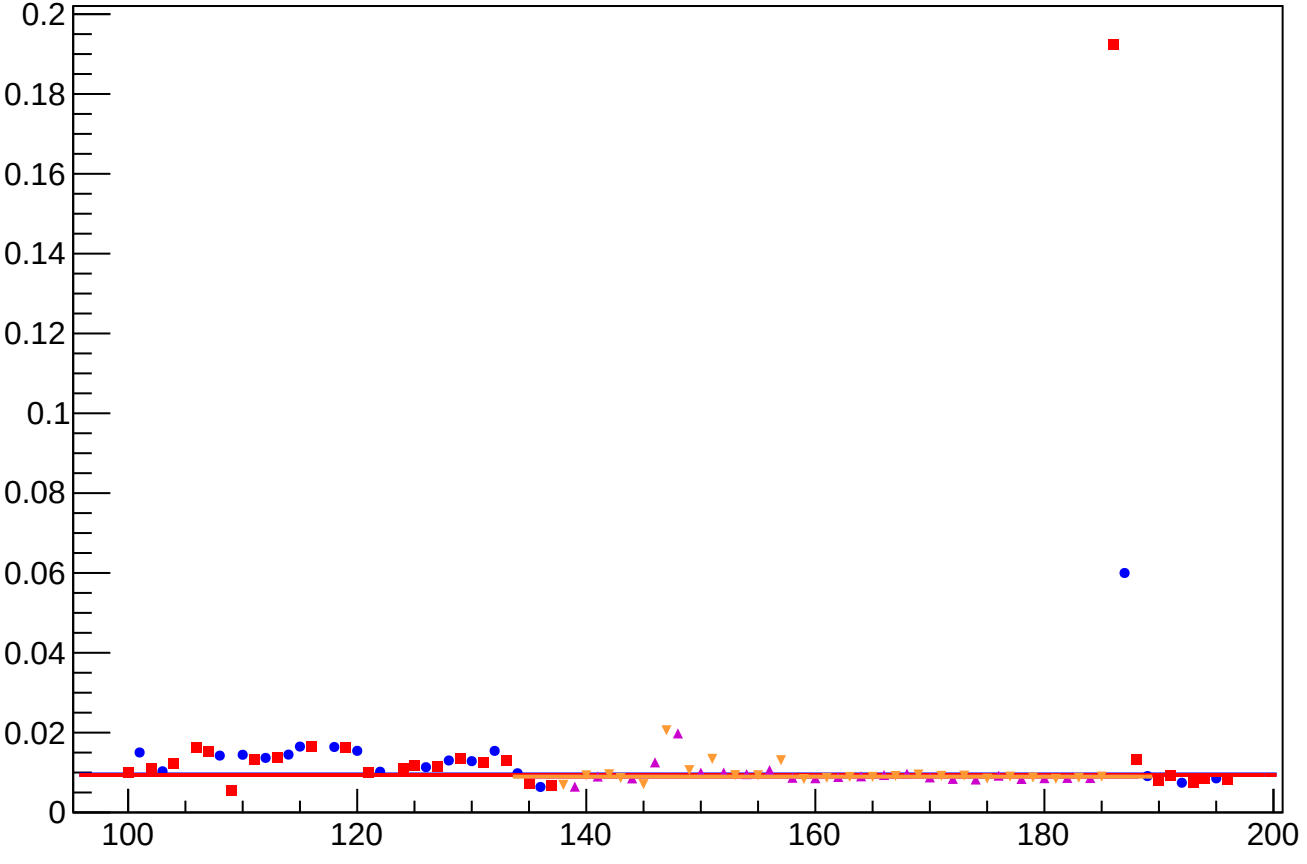
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.061+/-0.000 χ^2/NDF: 114585155088.6/44

All: 1.047+/-0.000 χ^2/NDF: 217815564533.2

- sign 1.034+/-0.000 χ^2/NDF: 103115194455.6/48

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1847650.9/19

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2355950.8/25

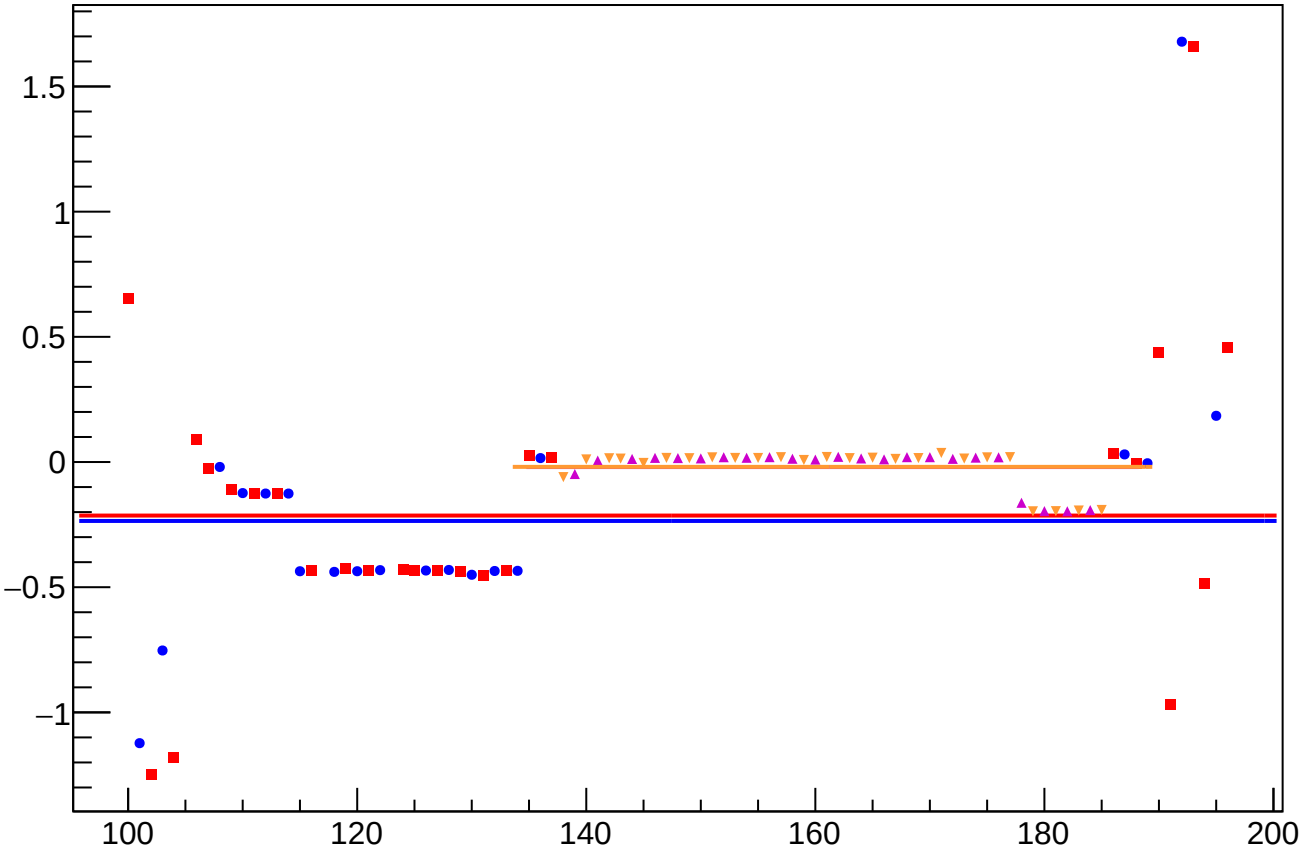
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3031493.4/44

All: 0.009+/-0.000 χ^2/NDF: 6382070.9/93

- sign 0.009+/-0.000 χ^2/NDF: 3350274.8/48

yield_bpm16X_mean vs Slug



Right In: -0.235+/-0.000 χ^2/NDF: 3018202835.7/19

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

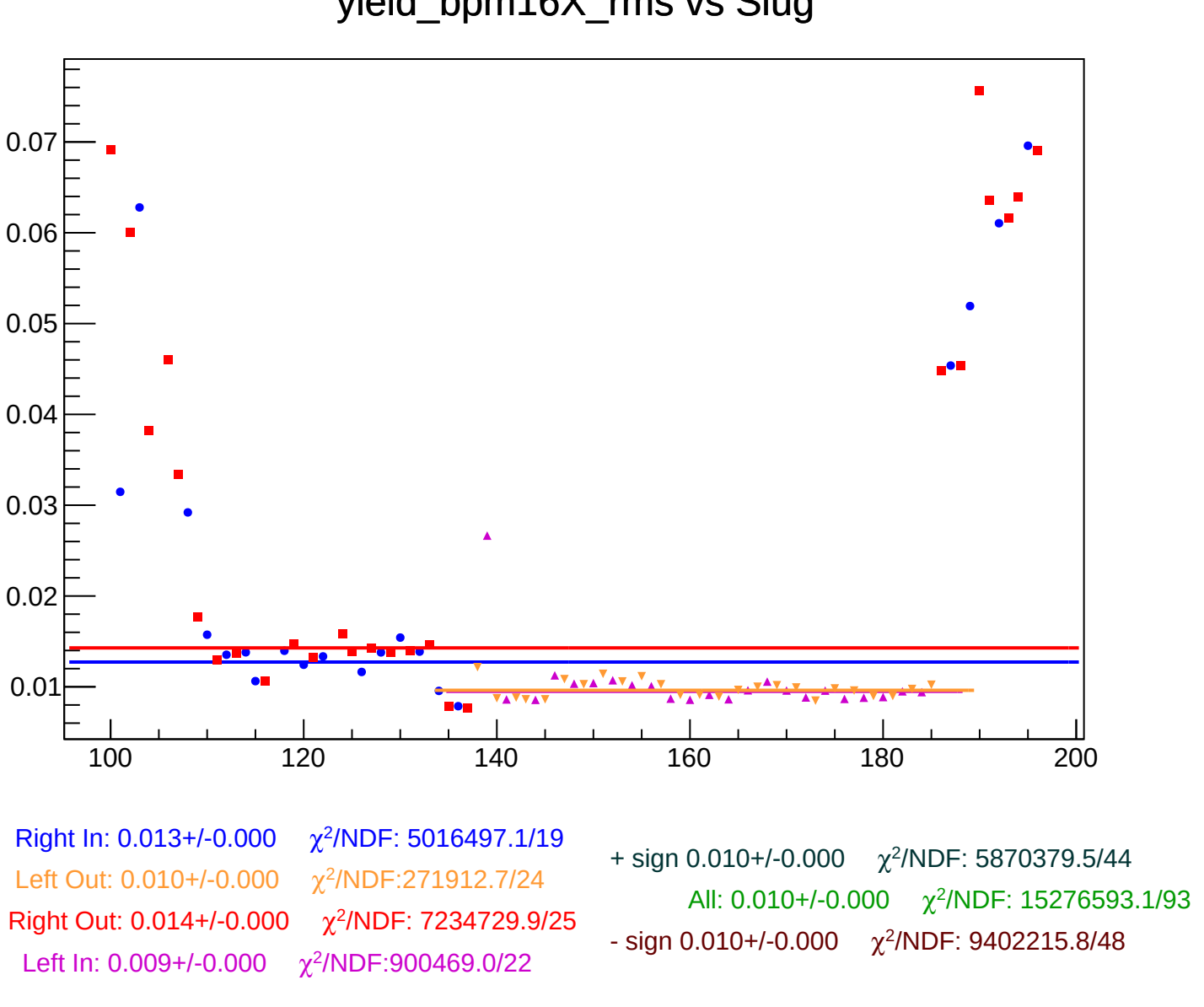
Right Out: -0.214+/-0.000 χ^2/NDF: 2681811881.7/25

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

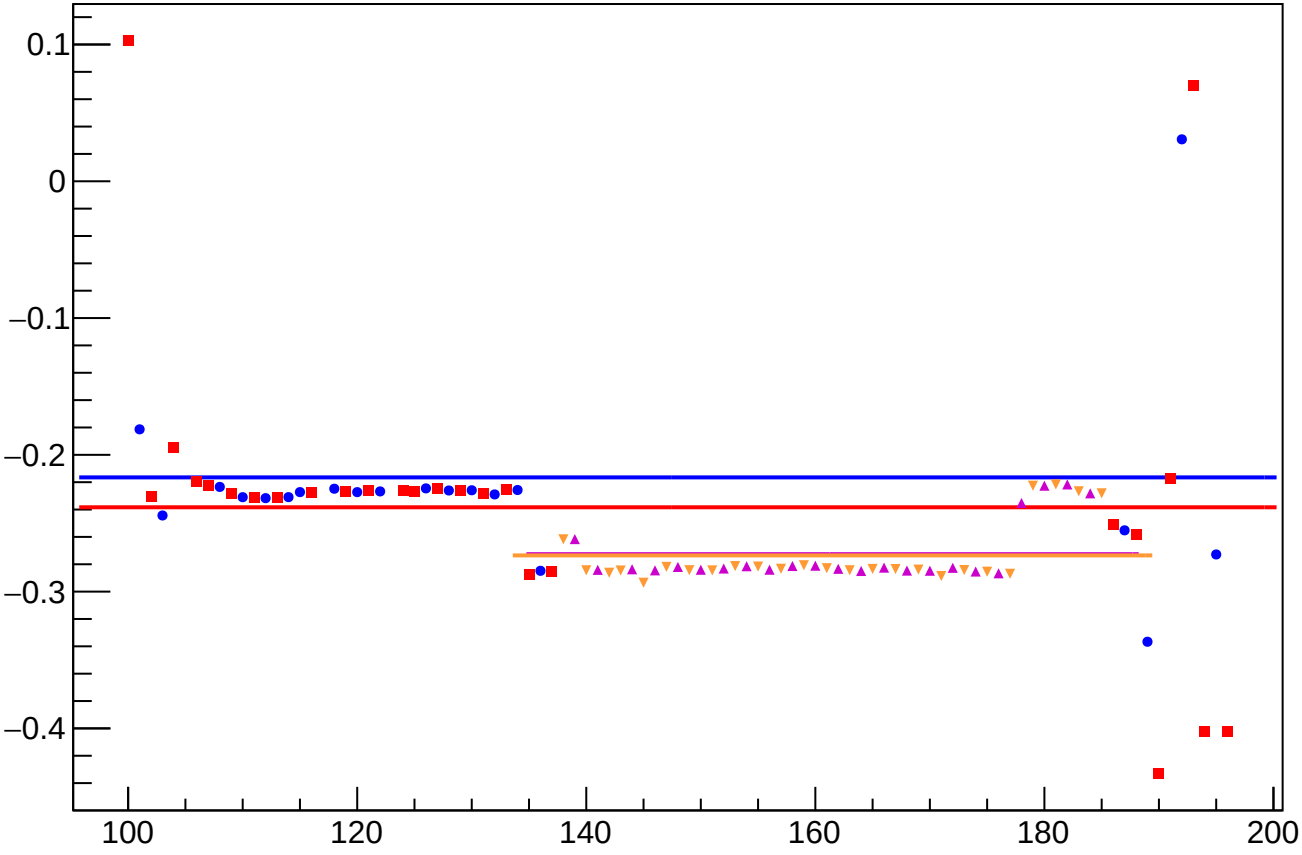
+ sign -0.056+/-0.000 χ^2/NDF: 5479672258.3/44

All: -0.054+/-0.000 χ^2/NDF: 10185962182.9/

- sign -0.052+/-0.000 χ^2/NDF: 4704541227.2/48


yield_bpm16X_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 5016497.1/19
Left Out: 0.010+/-0.000 χ²/NDF:271912.7/24
Right Out: 0.014+/-0.000 χ²/NDF: 7234729.9/25
Left In: 0.009+/-0.000 χ²/NDF:900469.0/22
+ sign 0.010+/-0.000 χ²/NDF: 5870379.5/44
All: 0.010+/-0.000 χ²/NDF: 15276593.1/93
- sign 0.010+/-0.000 χ²/NDF: 9402215.8/48

yield_bpm16Y_mean vs Slug



Right In: -0.216+/-0.000 χ^2/NDF: 2235758948.1/19

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.238+/-0.000 χ^2/NDF: 4085413158.9/25

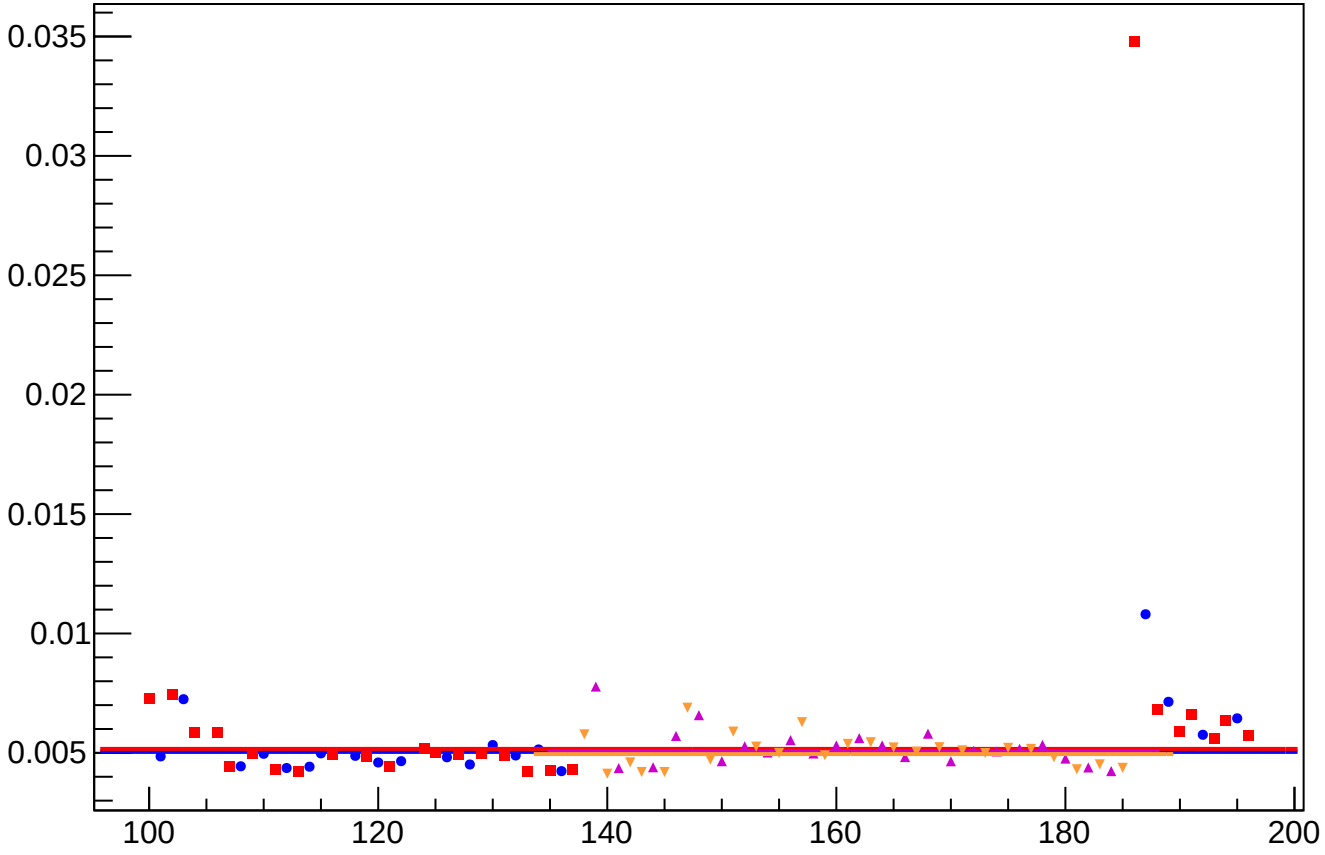
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.255+/-0.000 χ^2/NDF: 3393839081.7/44

All: -0.258+/-0.000 χ^2/NDF: 8115786152.7/9

- 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: 529092.5/19

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

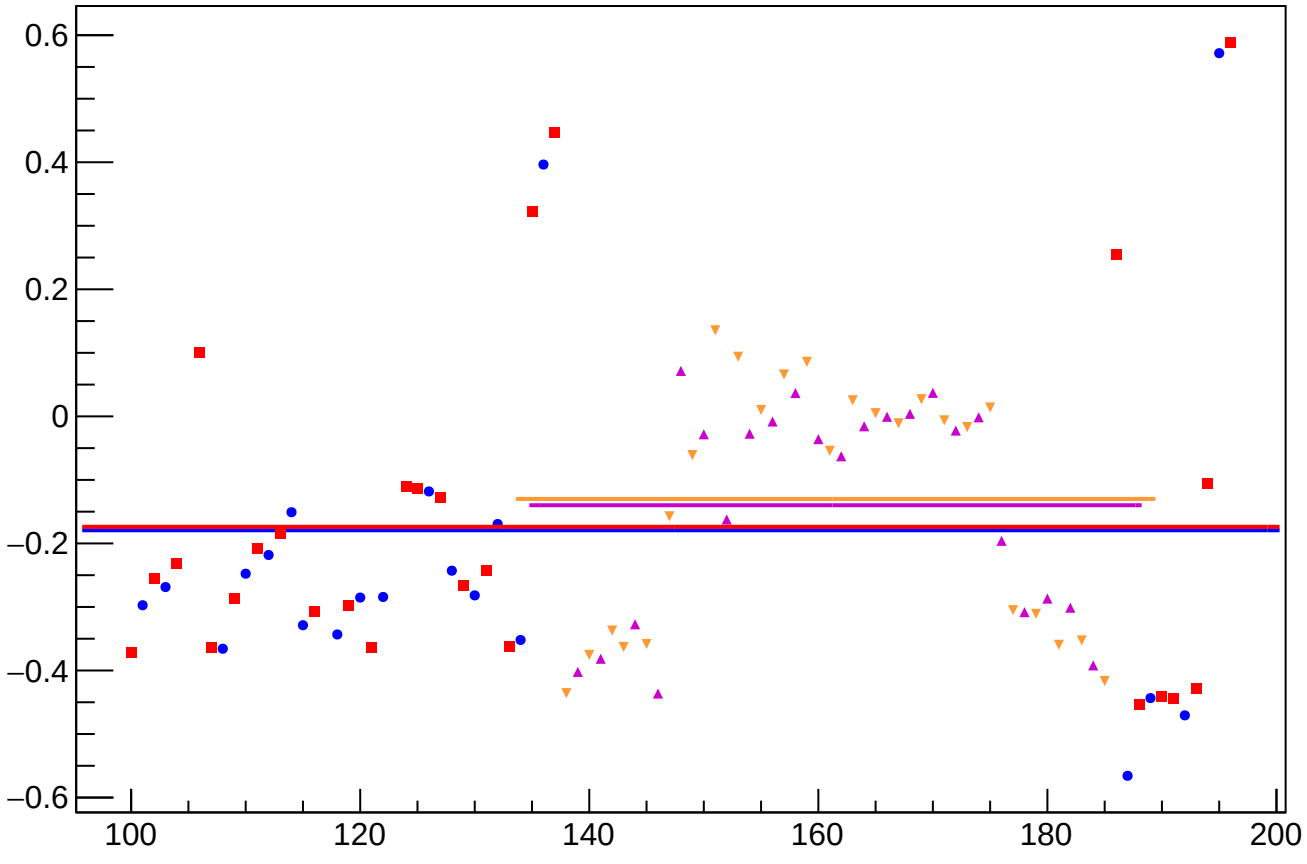
Right Out: 0.005+/-0.000 χ^2/NDF: 1146470.9/25

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1061802.0/44

All: 0.005+/-0.000 χ^2/NDF: 2769283.2/93

- sign 0.005+/-0.000 χ^2/NDF: 1690866.0/48



Right In: -0.179+/-0.000 χ^2/NDF: 20277363686.2/19

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.174+/-0.000 χ^2/NDF: 20979556146.8/25

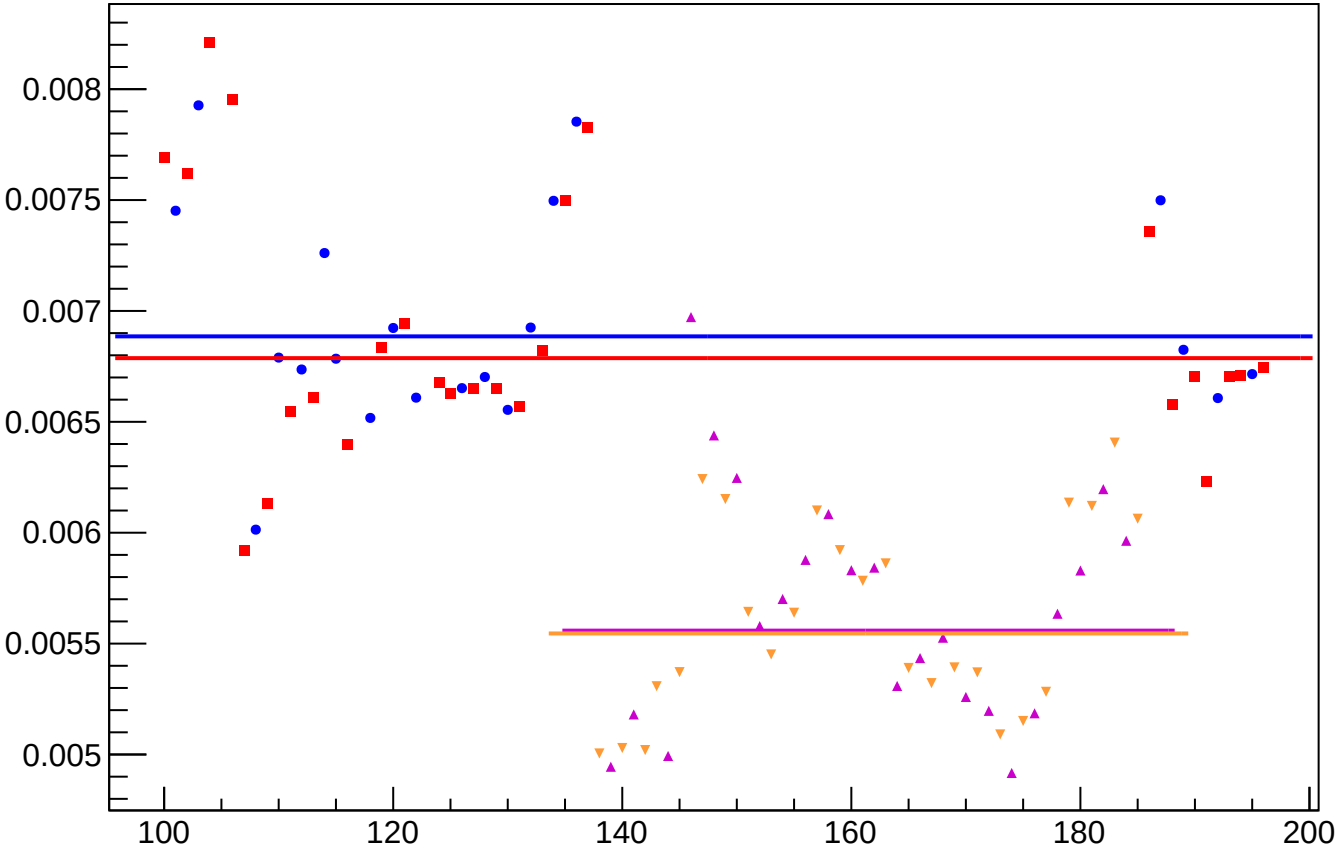
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.142+/-0.000 χ^2/NDF: 42141609816.9/44

All: -0.146+/-0.000 χ^2/NDF: 78495689301.0/

- 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: 93130.6/19

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

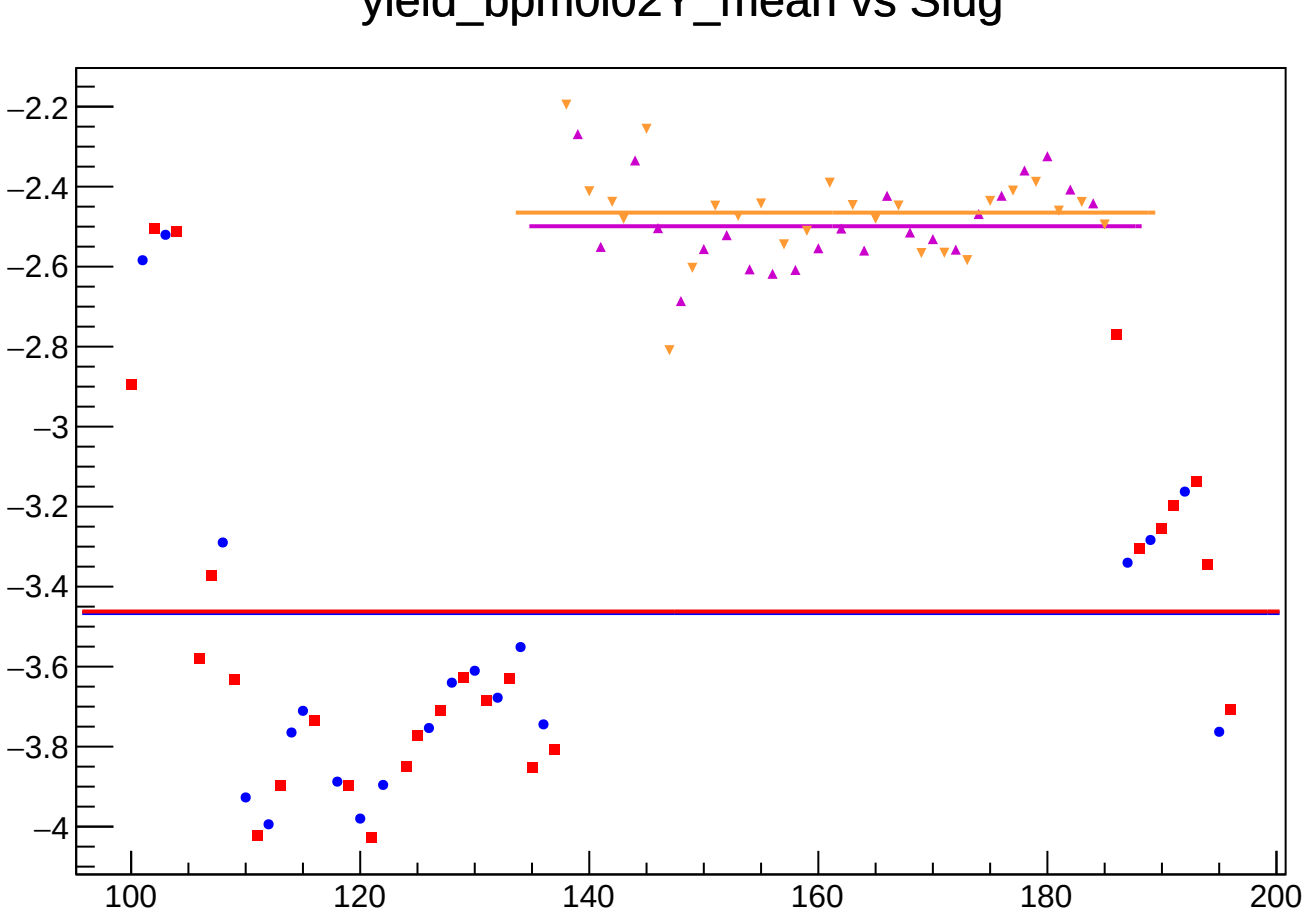
Right Out: 0.007+/-0.000 χ^2/NDF: 112121.5/25

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 836355.4/44

All: 0.006+/-0.000 χ^2/NDF: 1737045.2/93

- sign 0.006+/-0.000 χ^2/NDF: 898146.2/48



Right In: -3.466+/-0.000 χ^2/NDF: 30981503462.4/19

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.462+/-0.000 χ^2/NDF: 32924680066.2/25

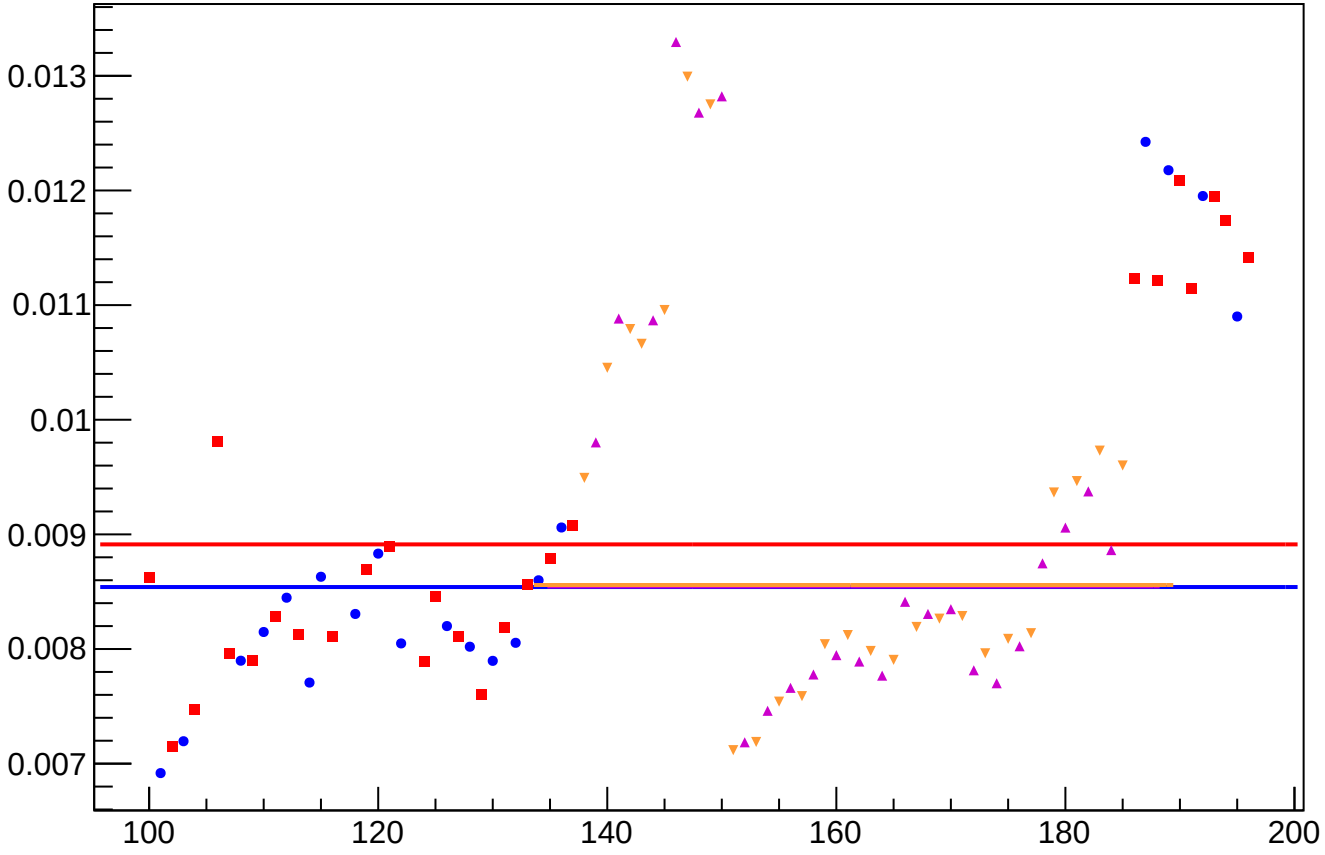
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.806+/-0.000 χ^2/NDF: 117316030152.0/44

All: -2.833+/-0.000 χ^2/NDF: 234697700636.8

- 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: 509532.2/19

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 666702.9/25

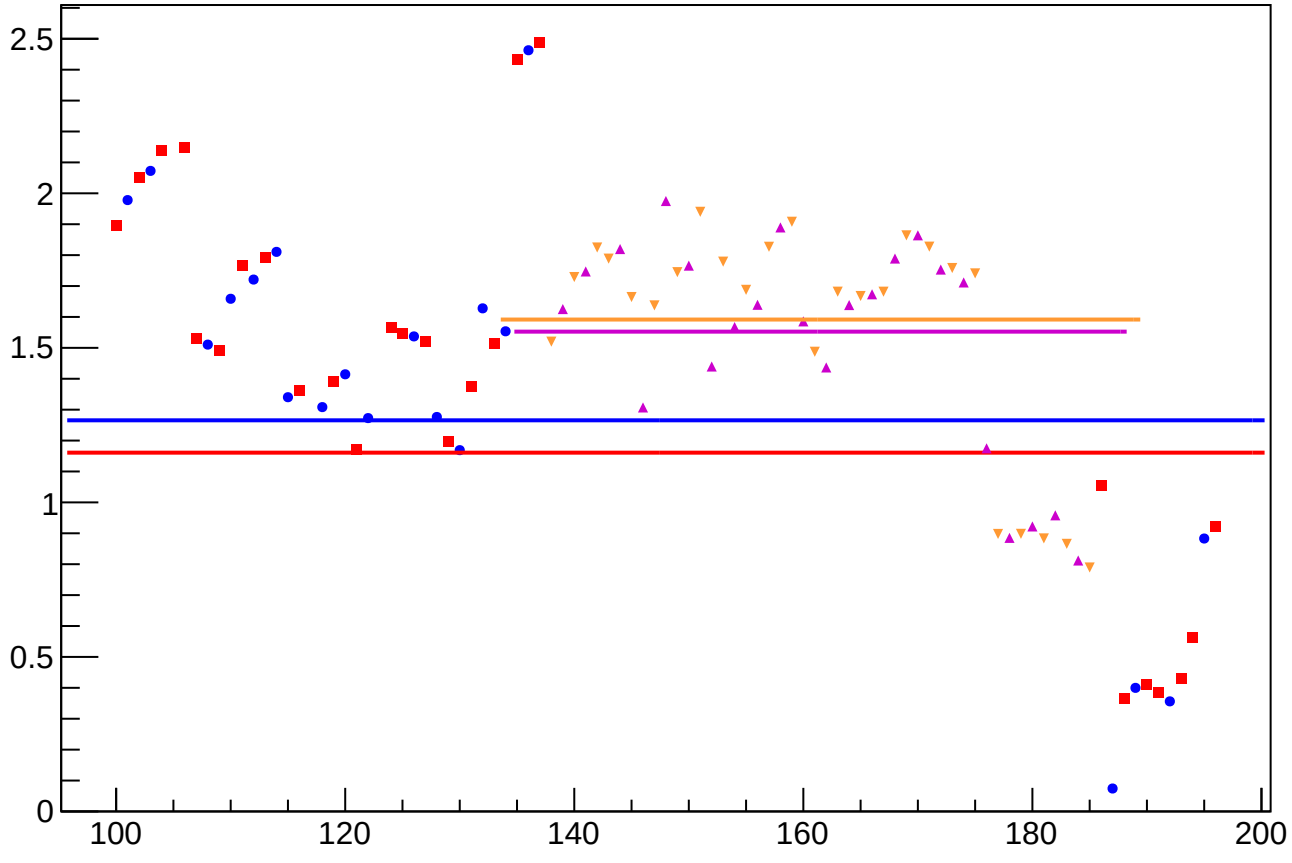
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1333613.6/44

All: 0.009+/-0.000 χ^2/NDF: 2941224.4/93

- sign 0.009+/-0.000 χ^2/NDF: 1601134.8/48

yield_bpm0i02aX_mean vs Slug



Right In: 1.266+/-0.000 χ^2/NDF: 27319573893.6/19

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.161+/-0.000 χ^2/NDF: 33735524376.5/25

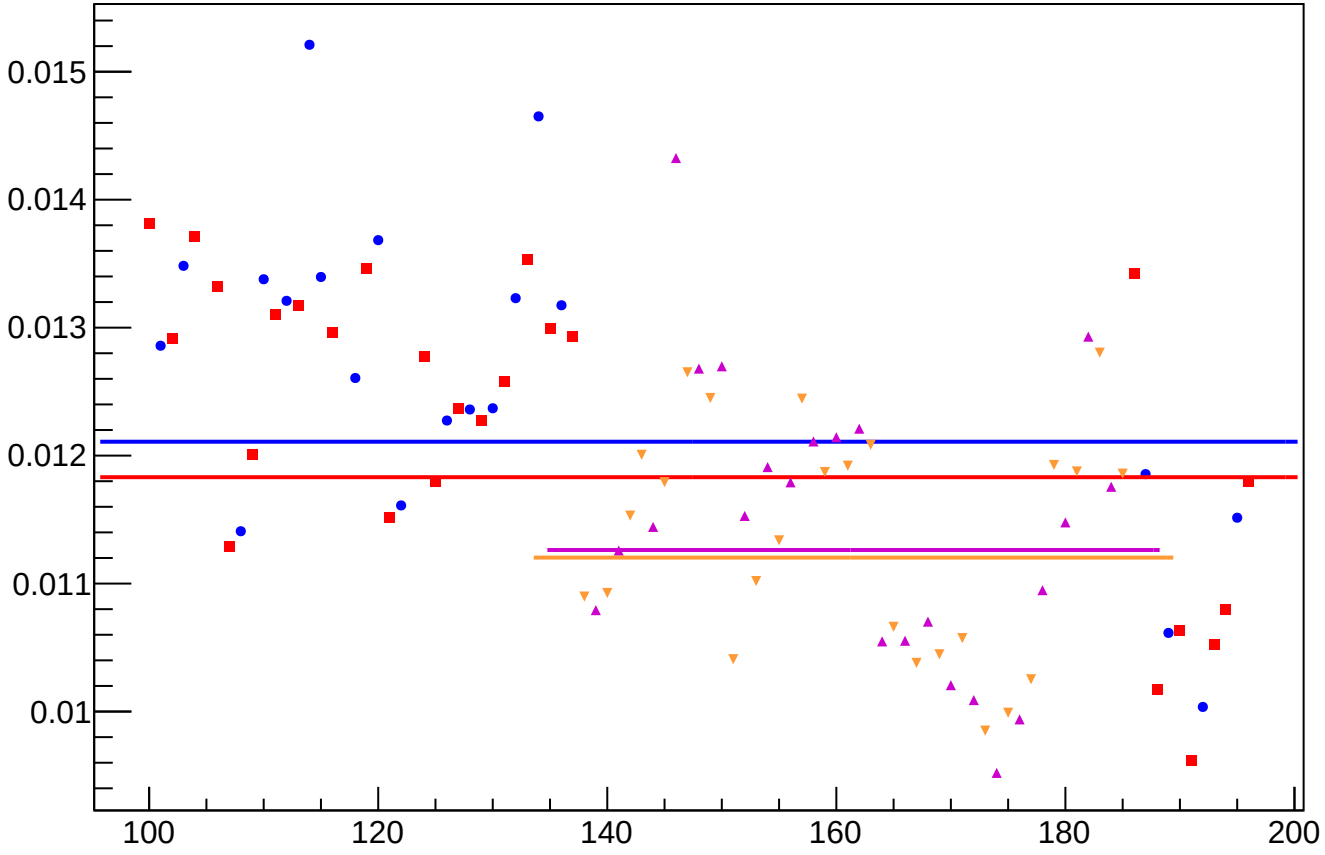
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.492+/-0.000 χ^2/NDF: 49168028826.3/44

All: 1.448+/-0.000 χ^2/NDF: 105632211559.0

- sign 1.405+/-0.000 χ^2/NDF: 55655692025.4/48

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 204691.5/19

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 245011.3/25

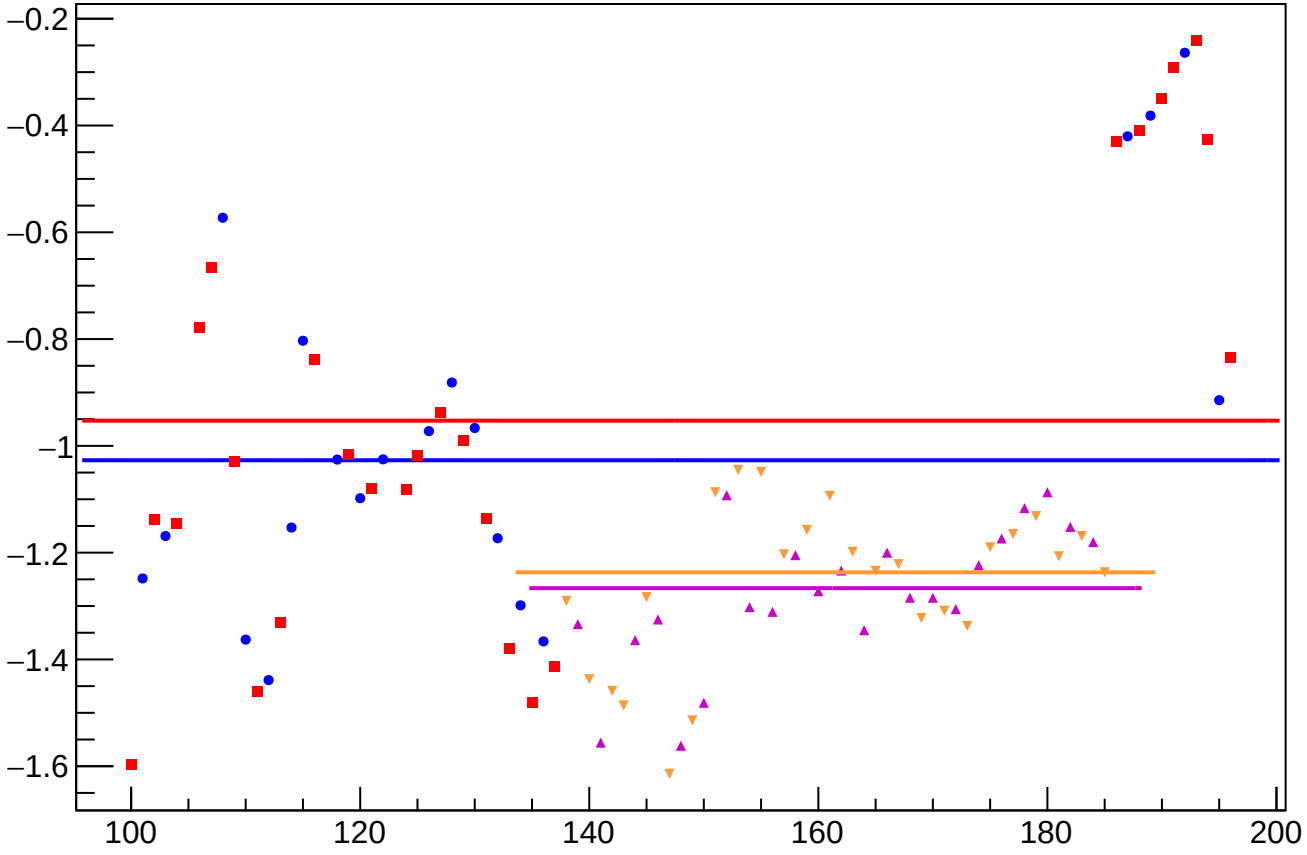
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.011+/-0.000 χ^2/NDF: 501857.2/44

All: 0.011+/-0.000 χ^2/NDF: 1091759.3/93

- sign 0.011+/-0.000 χ^2/NDF: 589899.6/48

yield_bpm0i02aY_mean vs Slug



Right In: -1.027+/-0.000 χ^2/NDF: 10952190438.7/19

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.953+/-0.000 χ^2/NDF: 16418558213.3/25

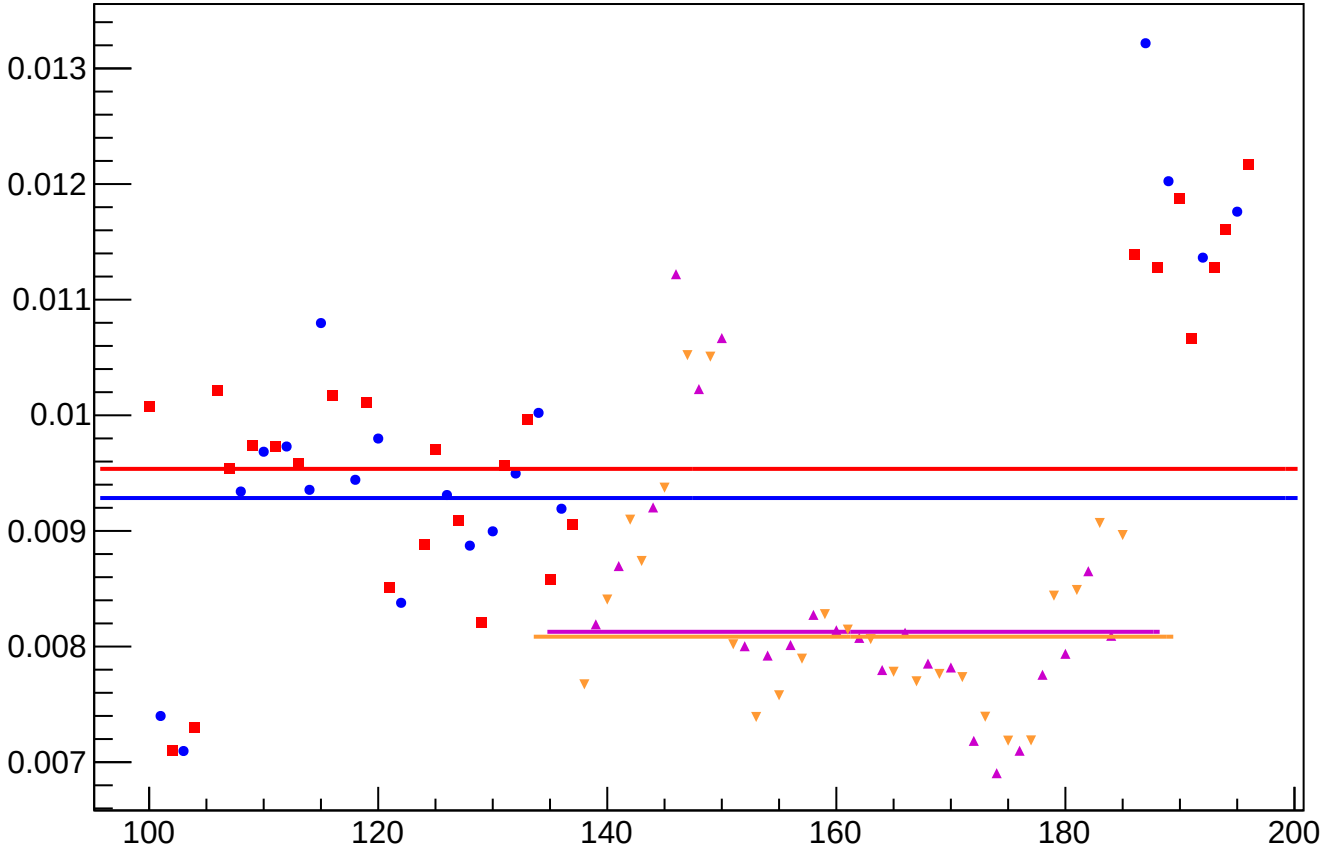
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.178+/-0.000 χ^2/NDF: 19318581641.4/44

All: -1.172+/-0.000 χ^2/NDF: 47616319829.9/

- 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: 441509.6/19

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

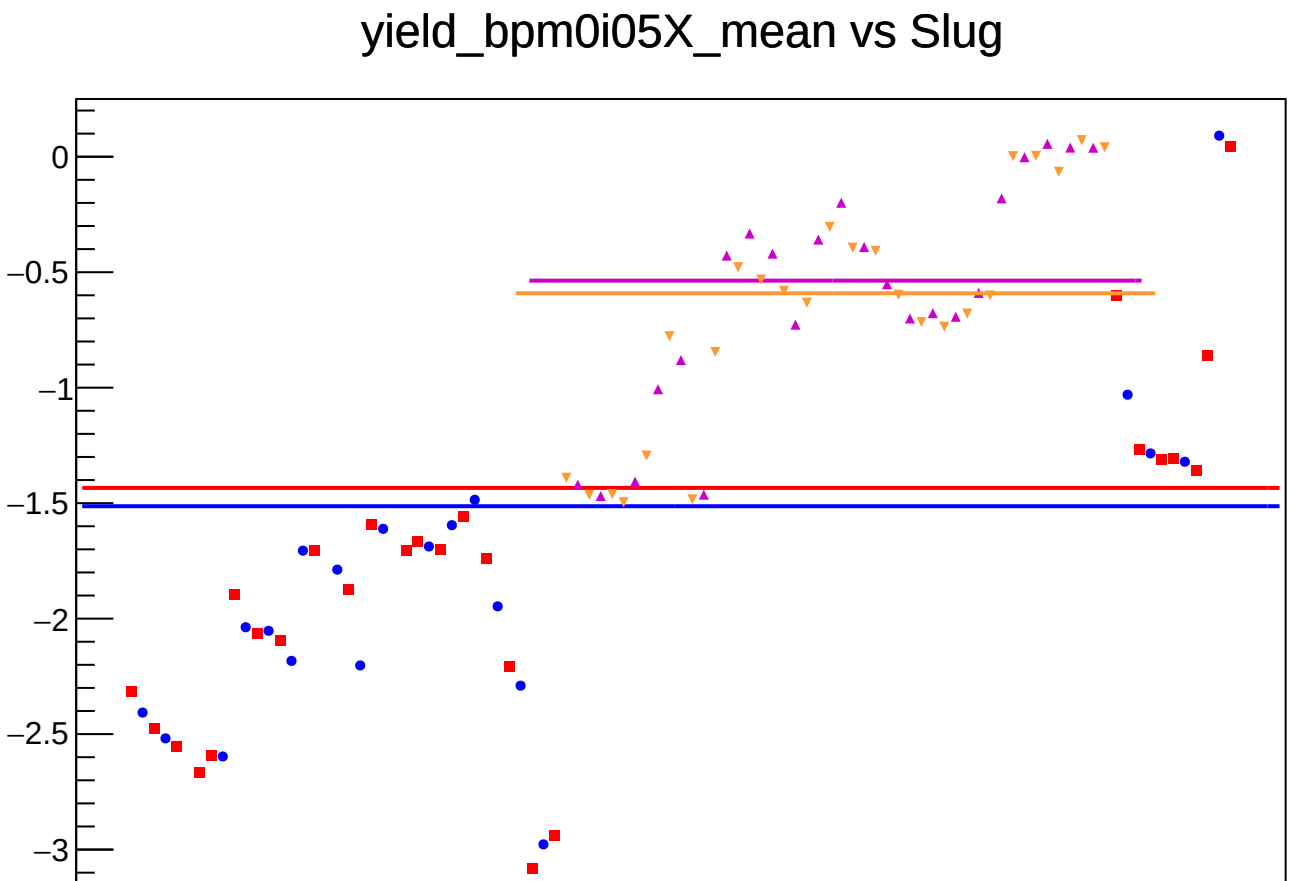
Right Out: 0.010+/-0.000 χ^2/NDF: 562296.4/25

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 989877.6/44

All: 0.008+/-0.000 χ^2/NDF: 2300791.2/93

- sign 0.009+/-0.000 χ^2/NDF: 1301158.3/48



Right In: -1.513+/-0.000 χ^2/NDF: 160650184450.9/19

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.434+/-0.000 χ^2/NDF: 168787034677.2/25

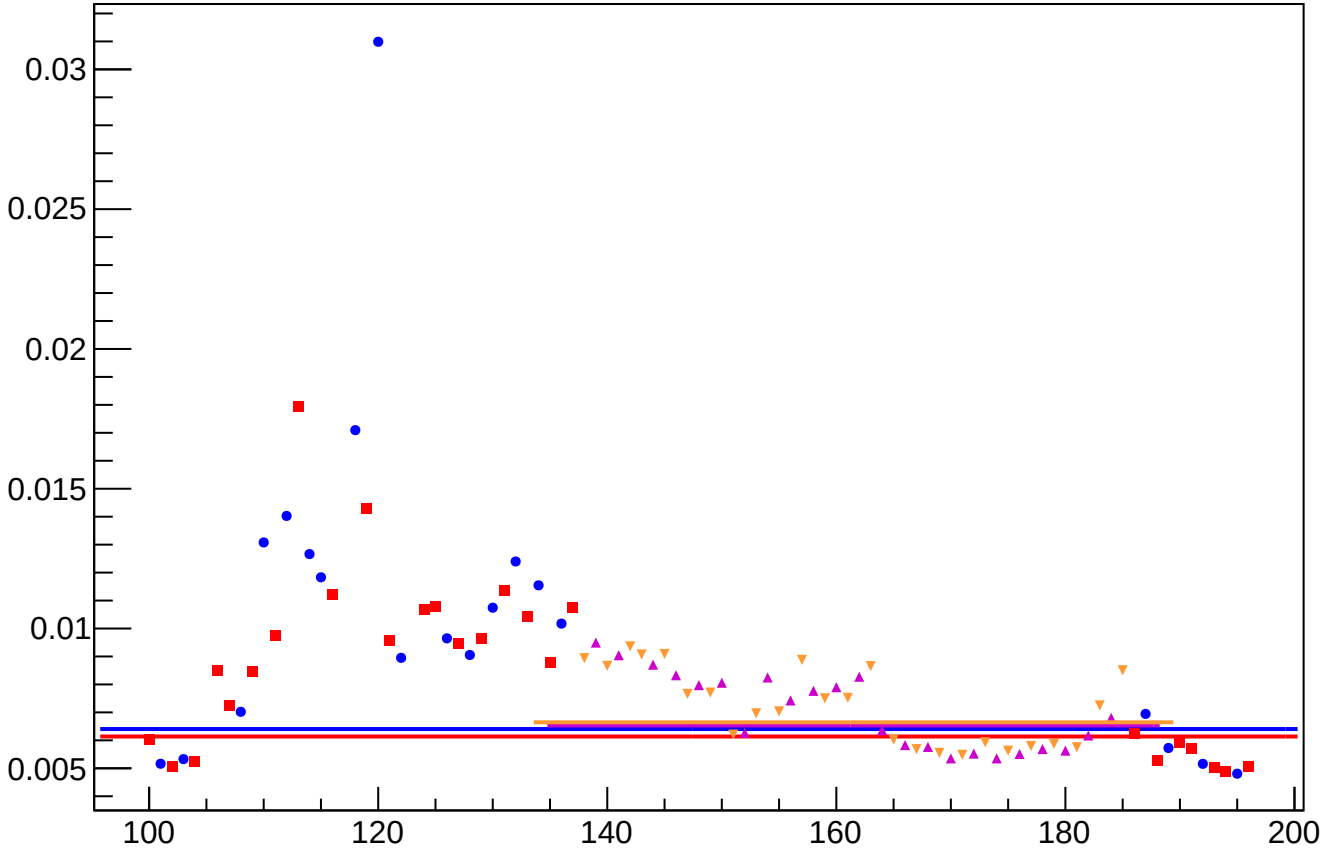
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.882+/-0.000 χ^2/NDF: 335103979111.2/44

All: -0.889+/-0.000 χ^2/NDF: 693815280202.2

- 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: 2275315.5/19

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

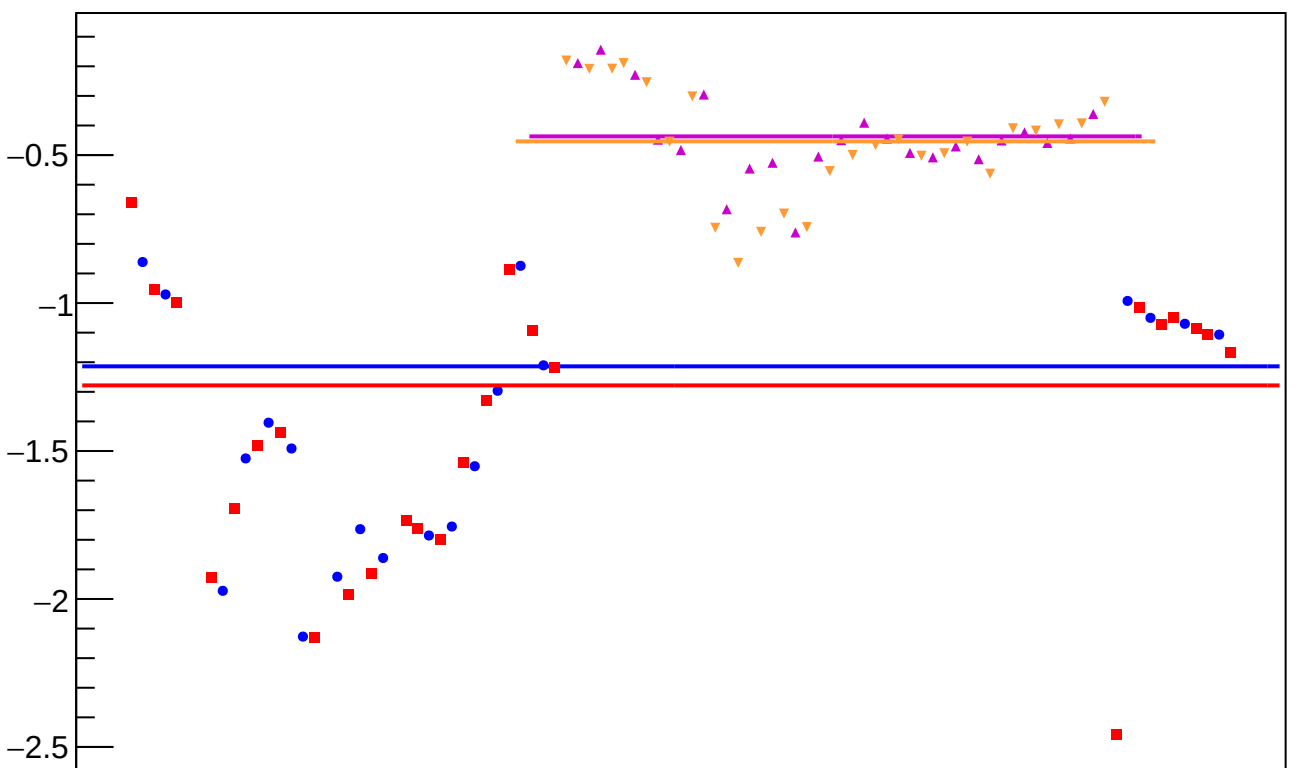
Right Out: 0.006+/-0.000 χ^2/NDF: 2046210.9/25

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3381058.7/44

All: 0.006+/-0.000 χ^2/NDF: 6647315.2/93

- sign 0.006+/-0.000 χ^2/NDF: 3244322.6/48



Right In: -1.214+/-0.000 χ^2/NDF: 27020448232.7/19

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.278+/-0.000 χ^2/NDF: 70904034696.0/25

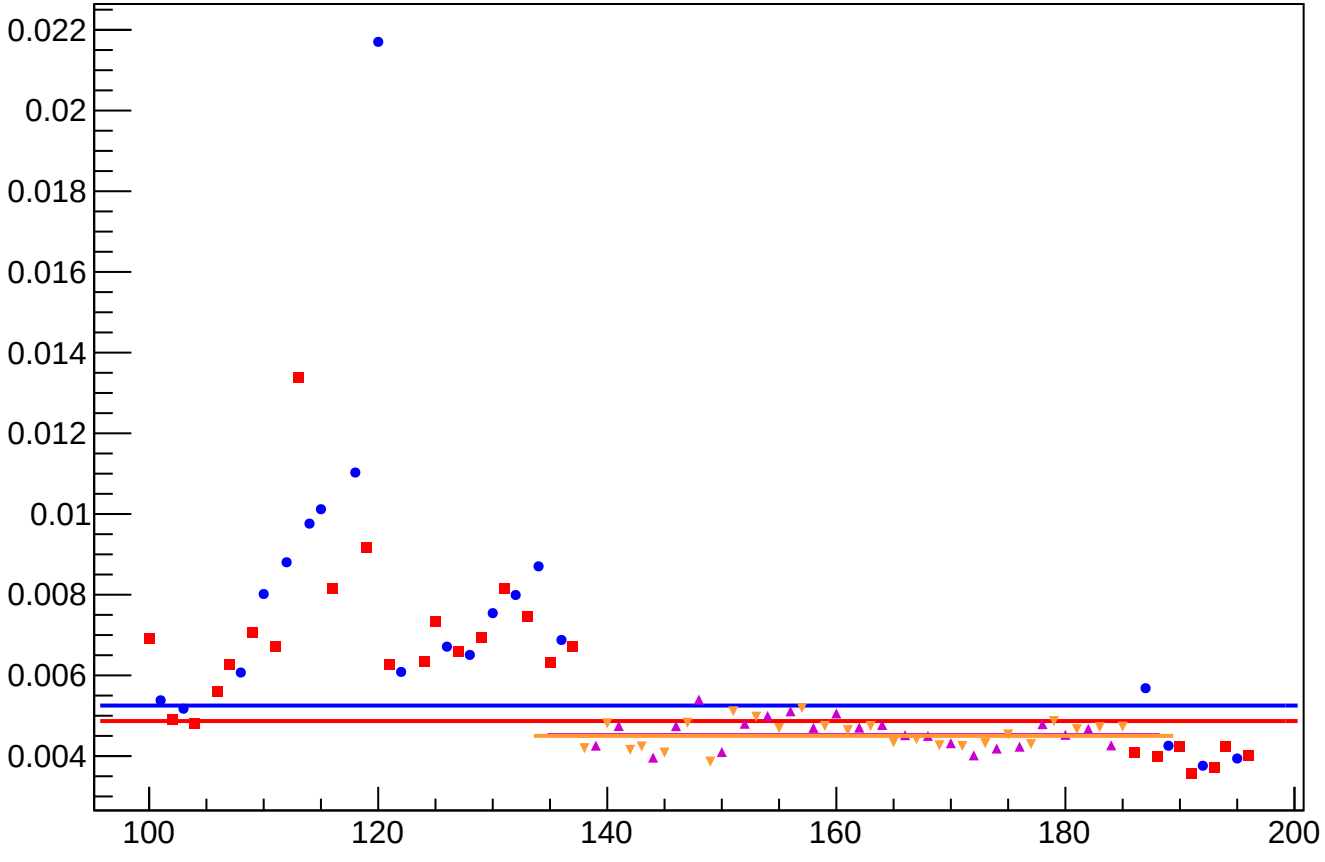
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.635+/-0.000 χ^2/NDF: 176279863718.8/44

All: -0.677+/-0.000 χ^2/NDF: 458833926703.4

- 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: 1687945.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

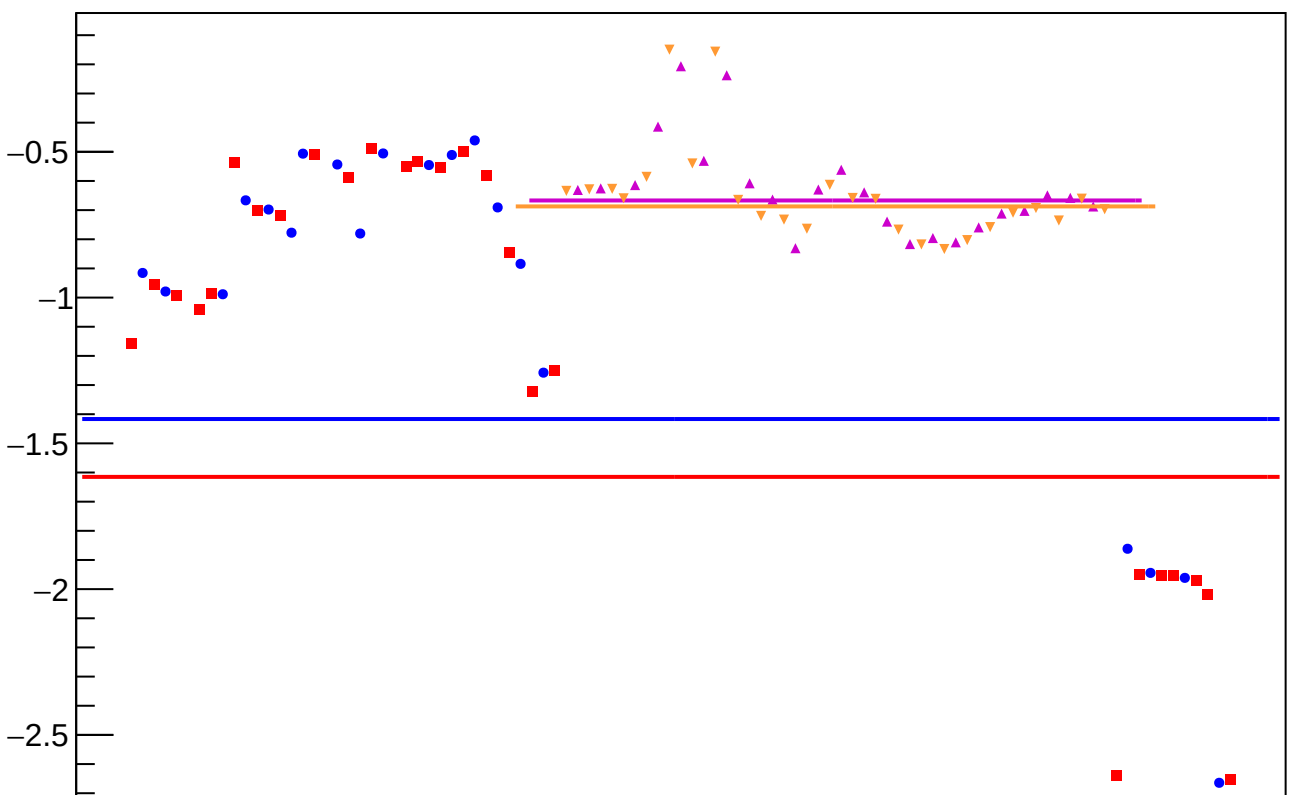
Right Out: 0.005+/-0.000 χ^2/NDF: 1612162.9/25

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2111972.4/44

All: 0.005+/-0.000 χ^2/NDF: 4003913.5/93

- sign 0.005+/-0.000 χ^2/NDF: 1889577.5/48



Right In: -1.417+/-0.000 χ^2/NDF: 149009229502.4/19

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.615+/-0.000 χ^2/NDF: 236190269550.3/25

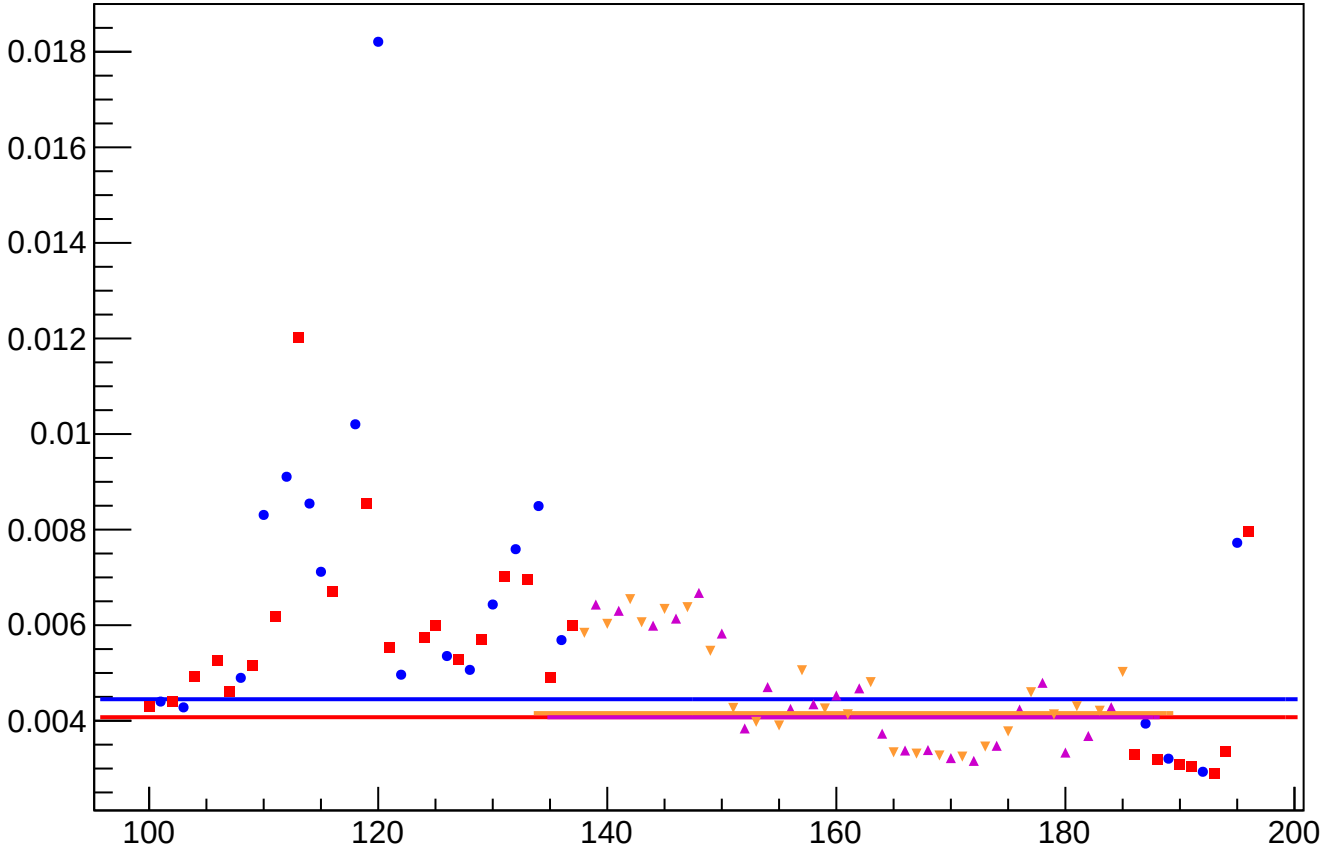
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.890+/-0.000 χ^2/NDF: 313876943657.5/44

All: -0.959+/-0.000 χ^2/NDF: 903307726527.1

- sign -1.020+/-0.000 χ^2/NDF: 577377241566.8/48

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 2322800.4/19

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2303819.0/25

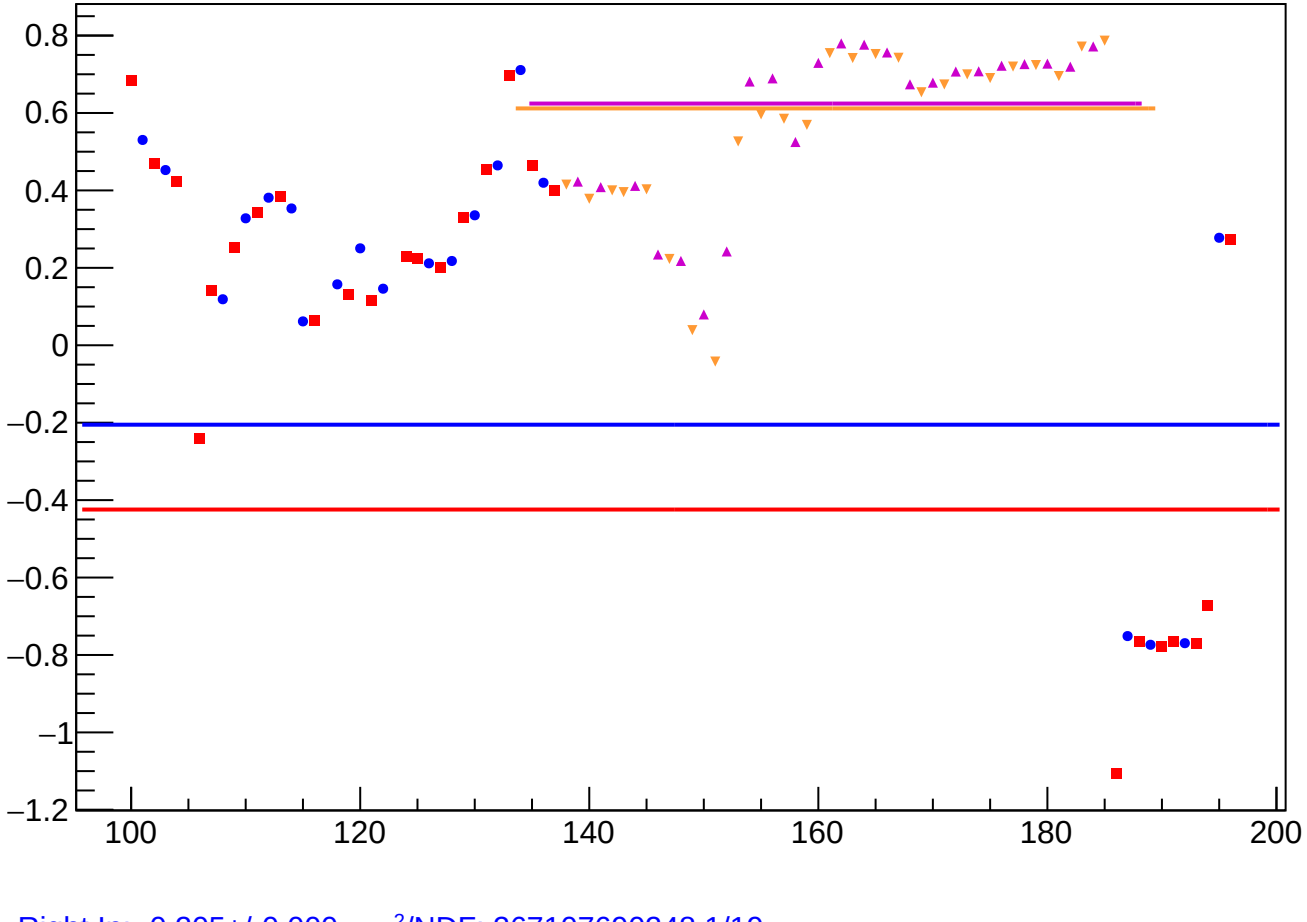
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3887931.4/44

All: 0.004+/-0.000 χ^2/NDF: 7981974.3/93

- sign 0.004+/-0.000 χ^2/NDF: 4054124.8/48

yield_bpm0i07Y_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 267107690248.1/19

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.424+/-0.000 χ^2/NDF: 399924696110.5/25

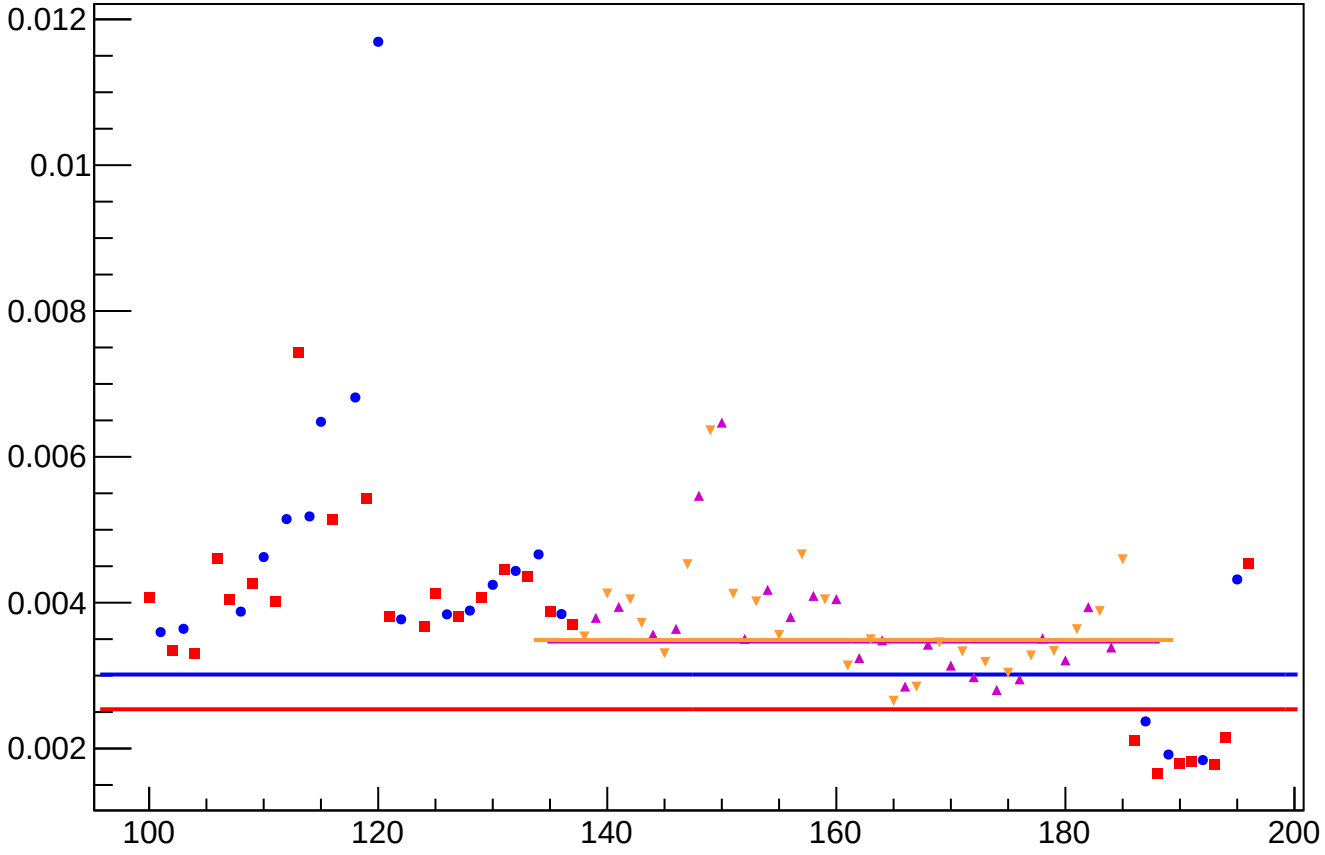
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.299+/-0.000 χ^2/NDF: 650367579236.1/44

All: 0.175+/-0.000 χ^2/NDF: 1879494036268.

- 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: 2532585.8/19

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

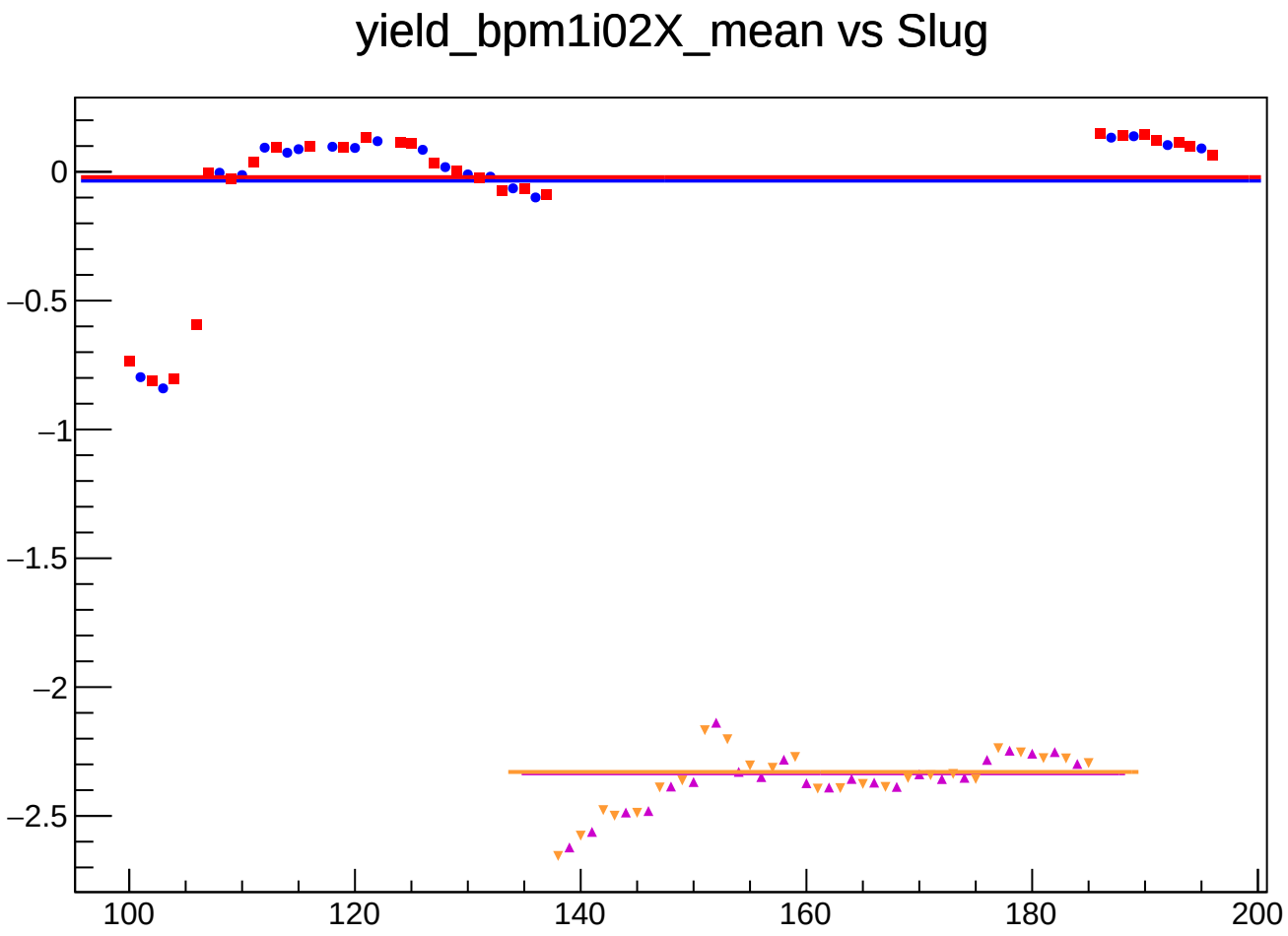
Right Out: 0.003+/-0.000 χ^2/NDF: 3284818.8/25

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3609879.1/44

All: 0.003+/-0.000 χ^2/NDF: 9185192.1/93

- sign 0.003+/-0.000 χ^2/NDF: 5323262.4/48



Right In: -0.034+/-0.000 χ^2/NDF: 6232473927.9/19

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.021+/-0.000 χ^2/NDF: 7588441939.1/25

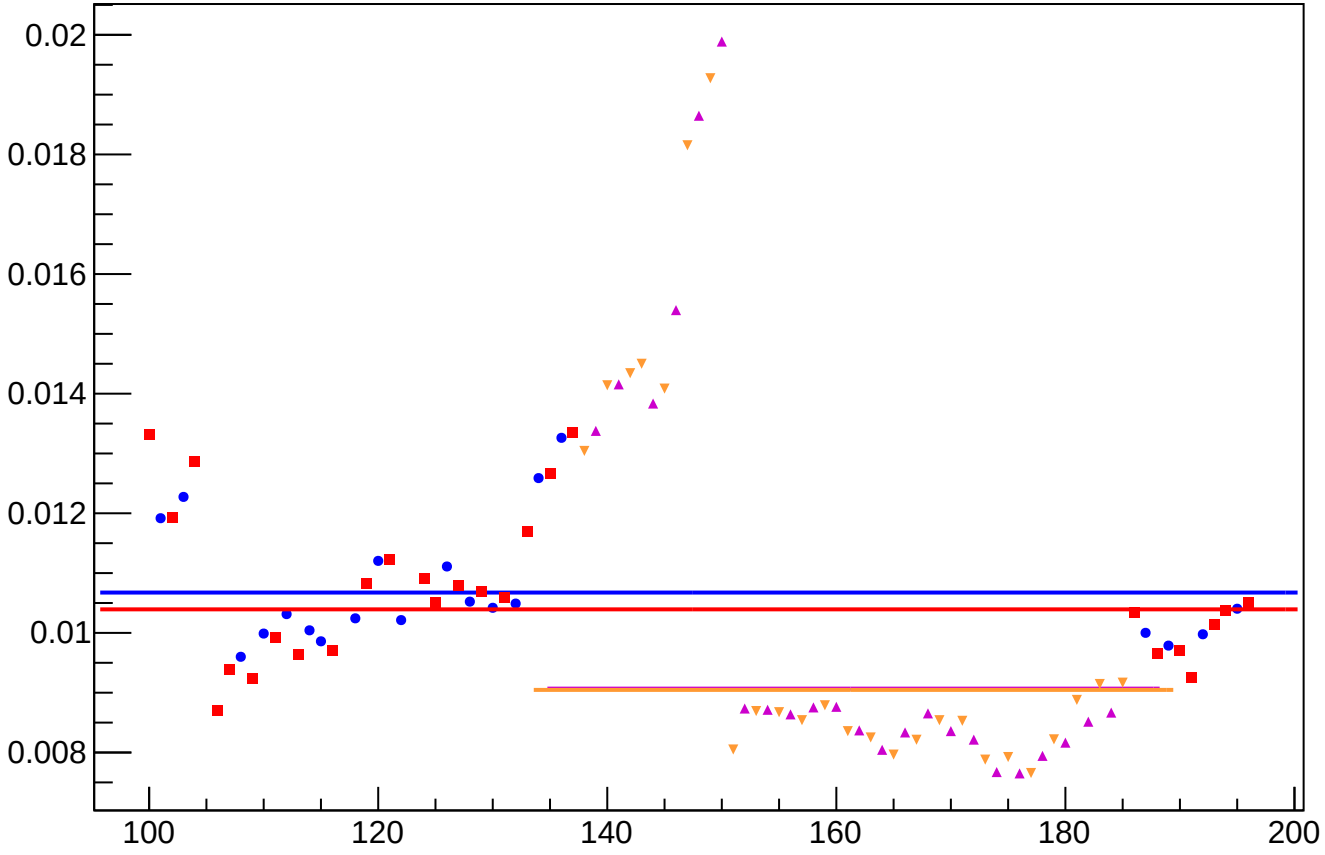
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.696+/-0.000 χ^2/NDF: 331288290687.0/44

All: -1.616+/-0.000 χ^2/NDF: 728304317044.8

- 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: 165134.4/19

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

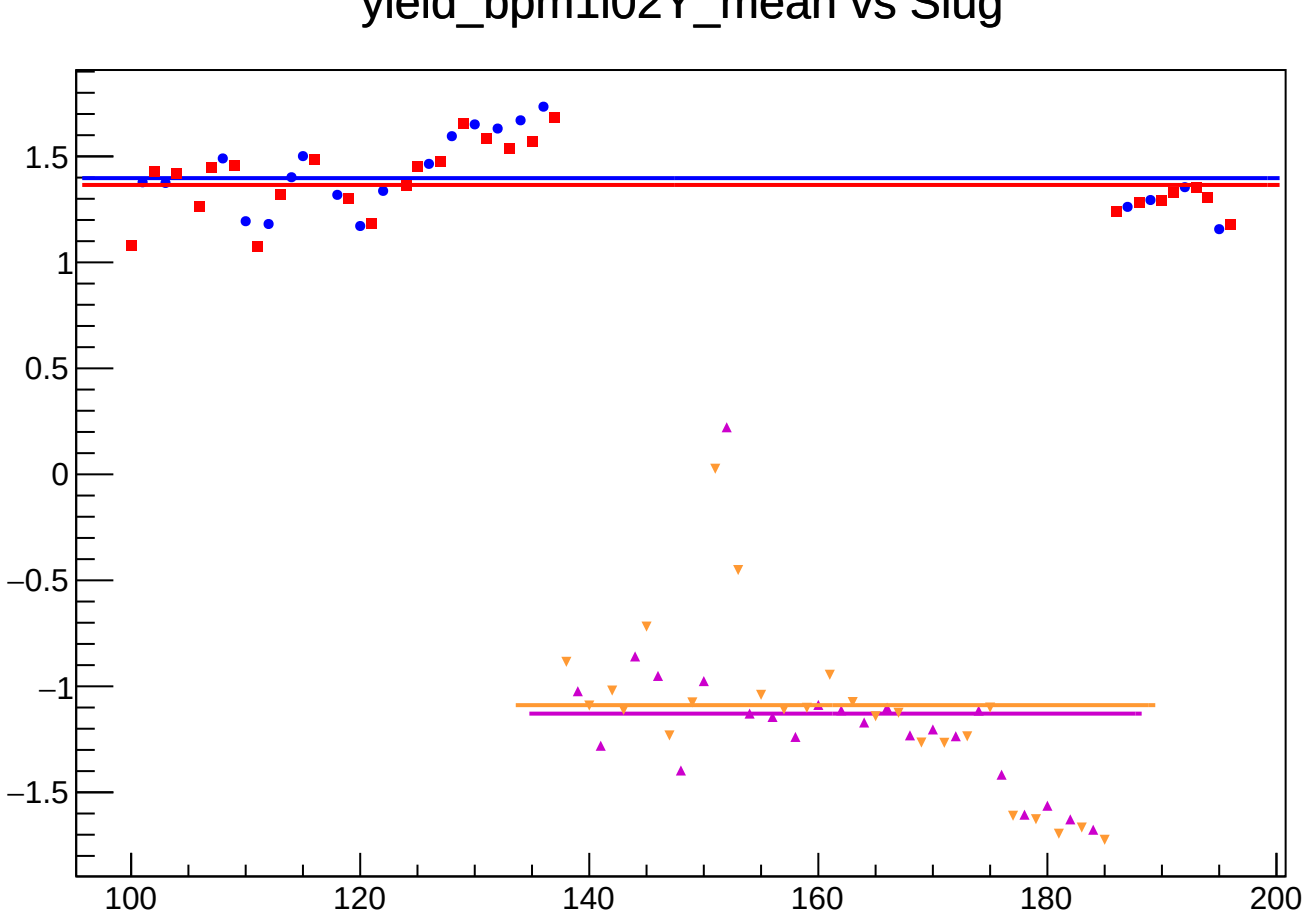
Right Out: 0.010+/-0.000 χ^2/NDF: 220711.4/25

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2538788.6/44

All: 0.010+/-0.000 χ^2/NDF: 5145906.6/93

- sign 0.010+/-0.000 χ^2/NDF: 2606884.0/48



Right In: 1.397+/-0.000 χ^2/NDF: 5113344142.6/19

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.365+/-0.000 χ^2/NDF: 3995449316.4/25

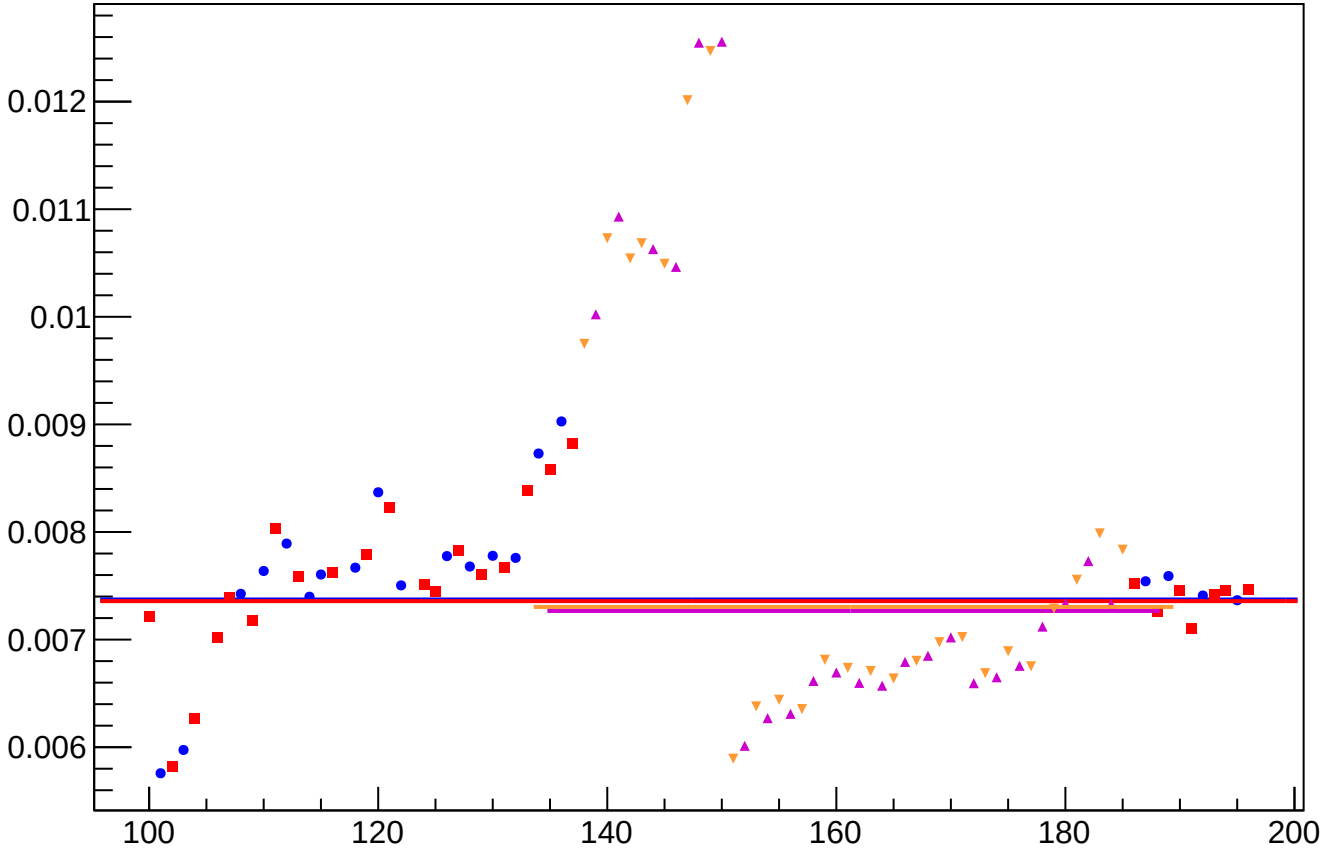
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.250+/-0.000 χ^2/NDF: 788915891737.2/44

All: -0.193+/-0.000 χ^2/NDF: 1672639189991

- 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: 272097.5/19

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 197757.6/25

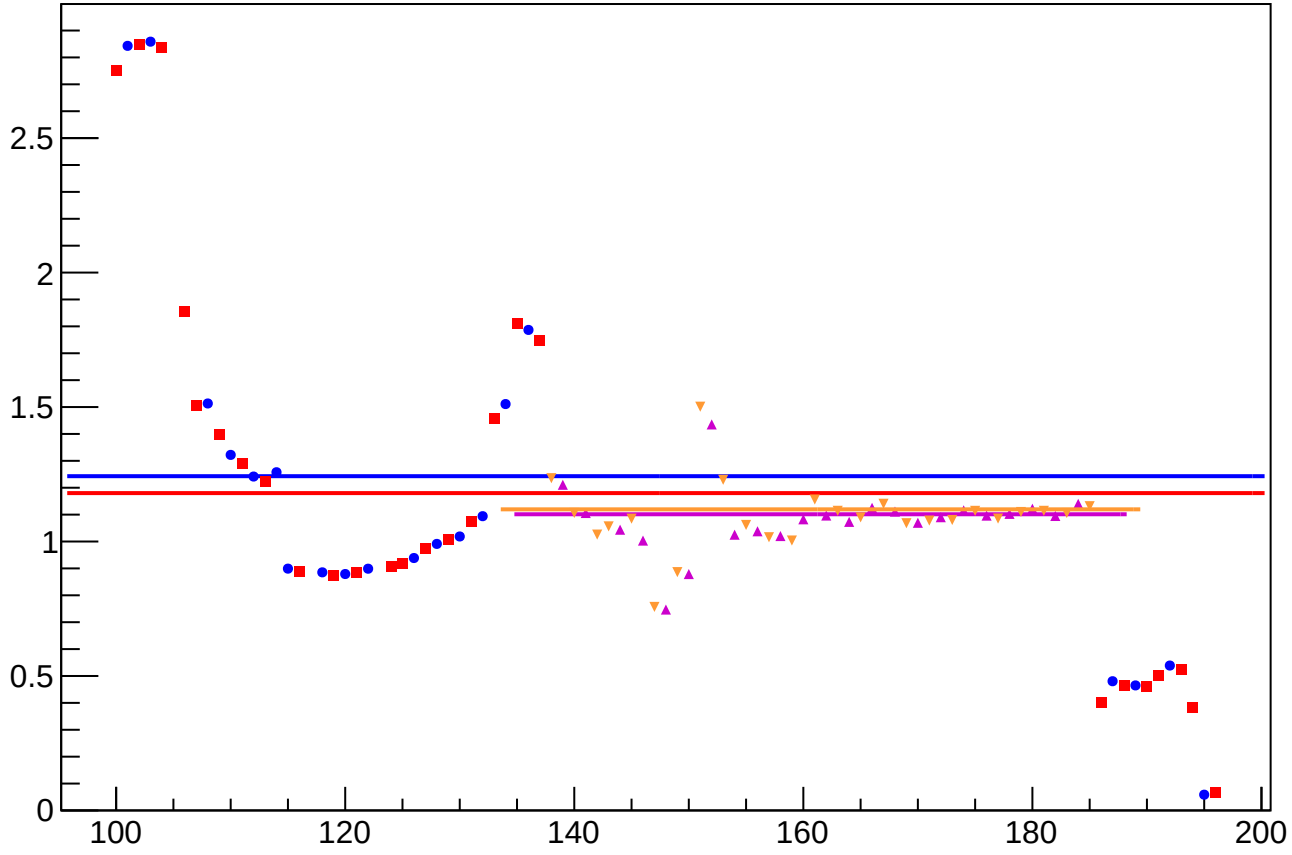
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777317.8/44

All: 0.007+/-0.000 χ^2/NDF: 3537667.8/93

- sign 0.007+/-0.000 χ^2/NDF: 1760031.4/48

yield_bpm1i04X_mean vs Slug



Right In: 1.243+/-0.000 χ^2/NDF: 82698629165.8/19

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.180+/-0.000 χ^2/NDF: 91055128302.6/25

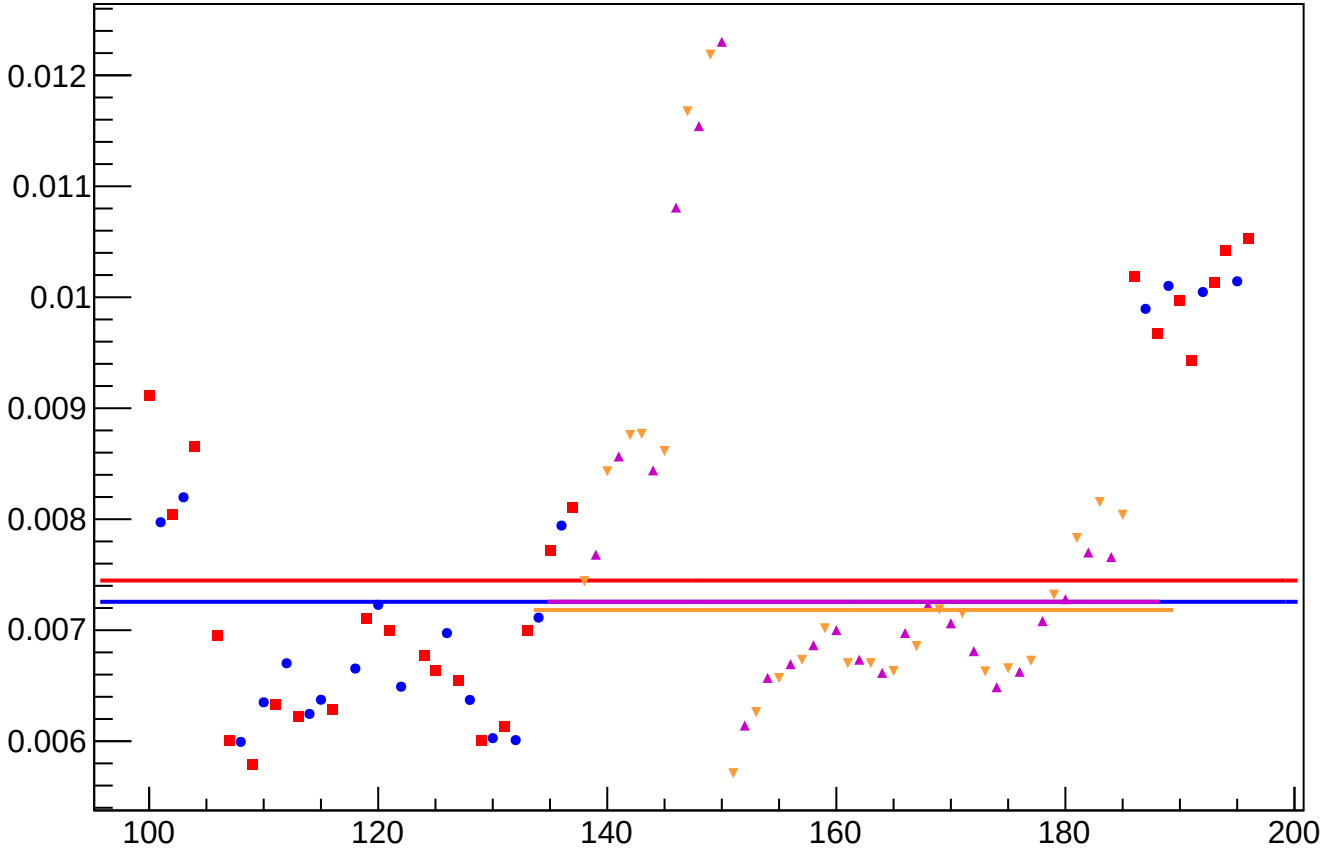
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.161+/-0.000 χ^2/NDF: 90026381823.2/44

All: 1.146+/-0.000 χ^2/NDF: 186302207199.8

- 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: 631084.7/19

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 984854.6/25

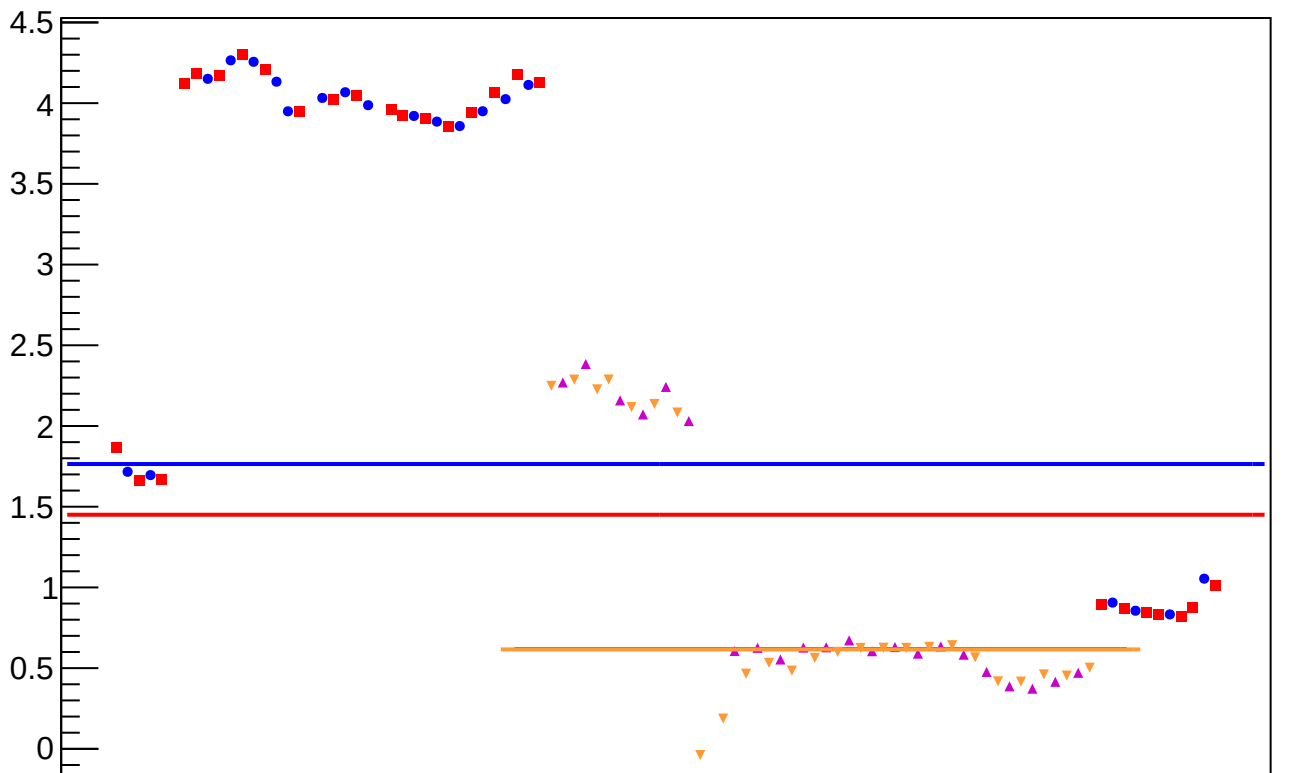
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1526172.8/44

All: 0.007+/-0.000 χ^2/NDF: 3445110.3/93

- sign 0.007+/-0.000 χ^2/NDF: 1910832.8/48

yield_bpm1i04Y_mean vs Slug



Right In: 1.764+/-0.000 χ^2/NDF: 1334248640105.0/19

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.450+/-0.000 χ^2/NDF: 1659382462482.4/25

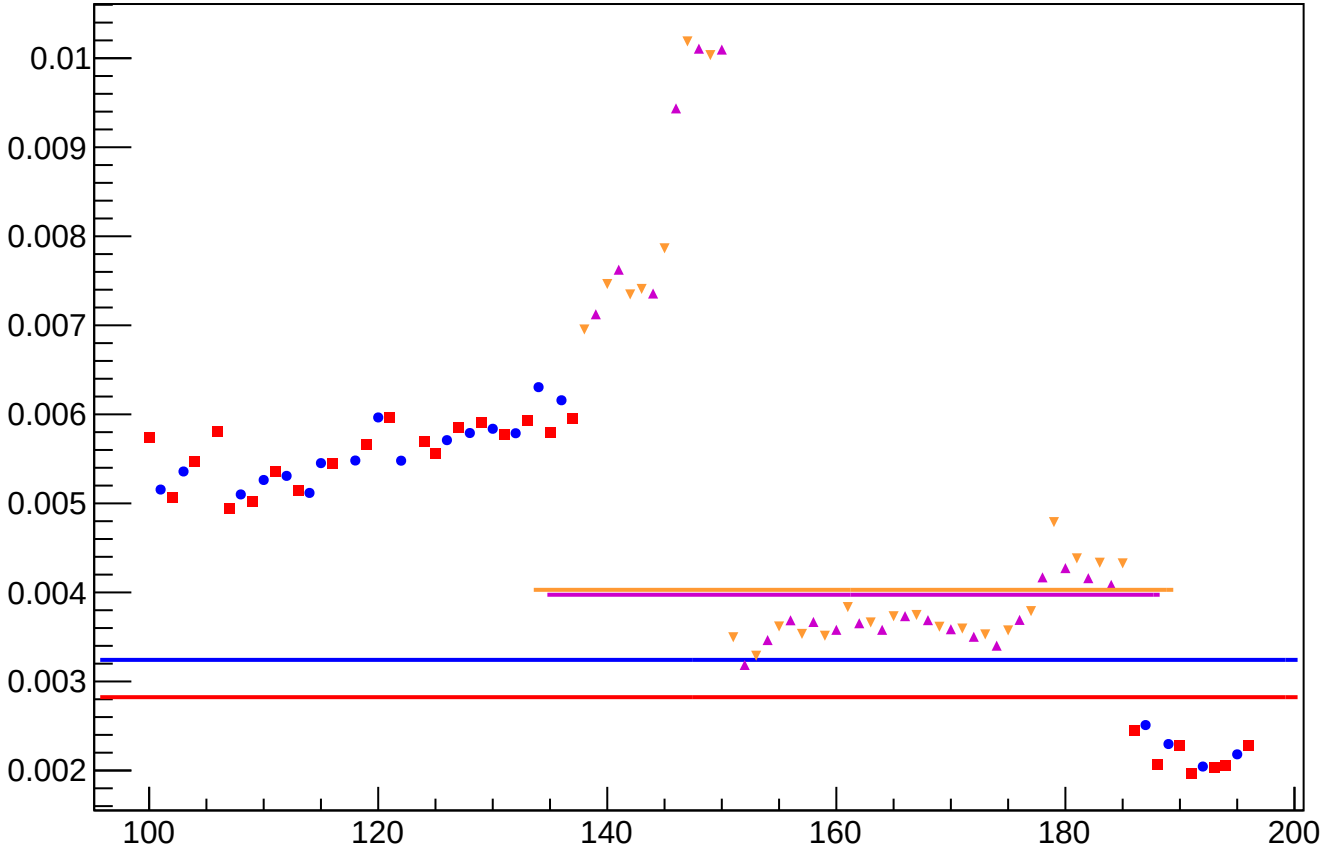
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.084+/-0.000 χ^2/NDF: 2154237135688.7/44

All: 1.071+/-0.000 χ^2/NDF: 4445918808632.

- 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: 3746905.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4462864.8/25

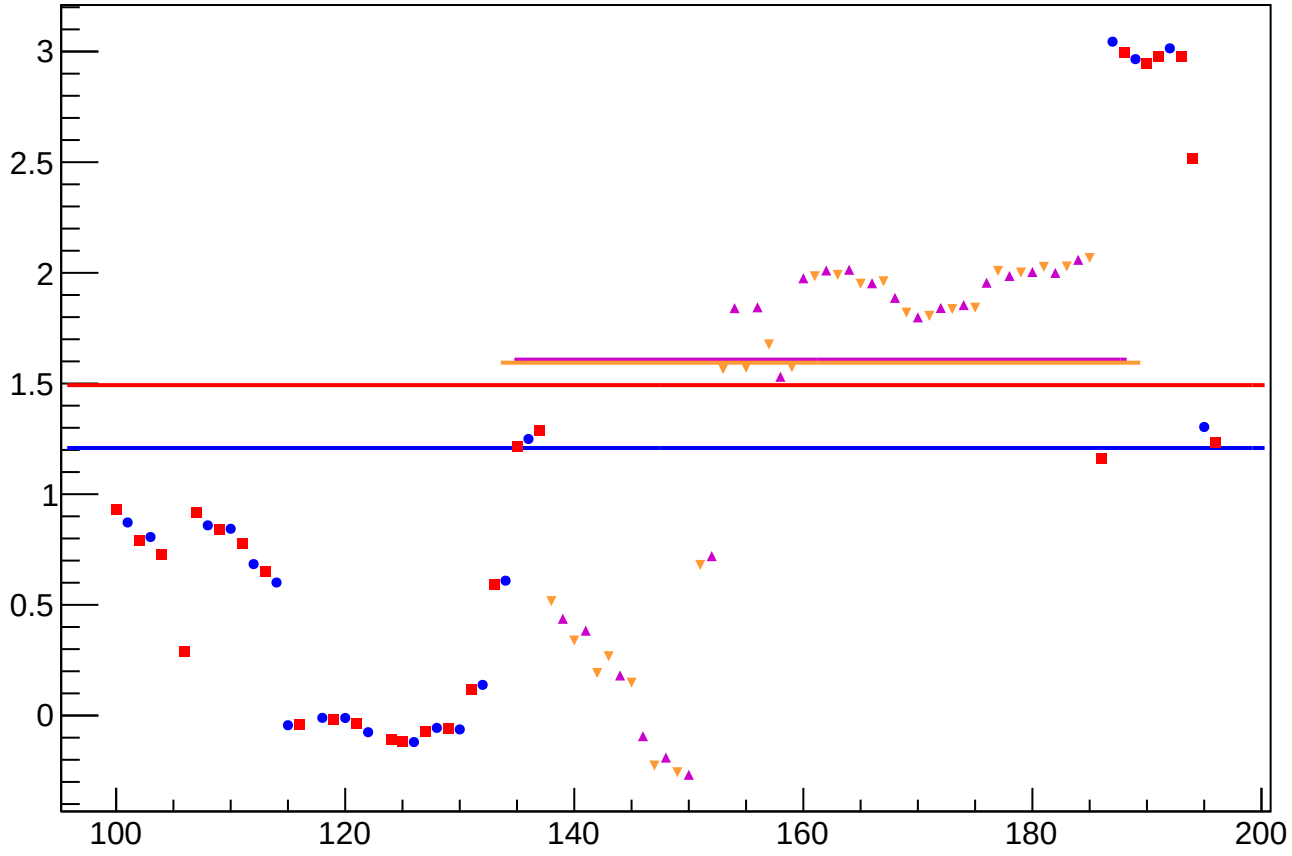
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 7245279.2/44

All: 0.004+/-0.000 χ^2/NDF: 16507493.1/93

- sign 0.003+/-0.000 χ^2/NDF: 9027952.9/48

yield_bpm1i06X_mean vs Slug



Right In: 1.209+/-0.000 χ^2/NDF: 77455155002.7/19

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.493+/-0.000 χ^2/NDF: 102862366626.5/25

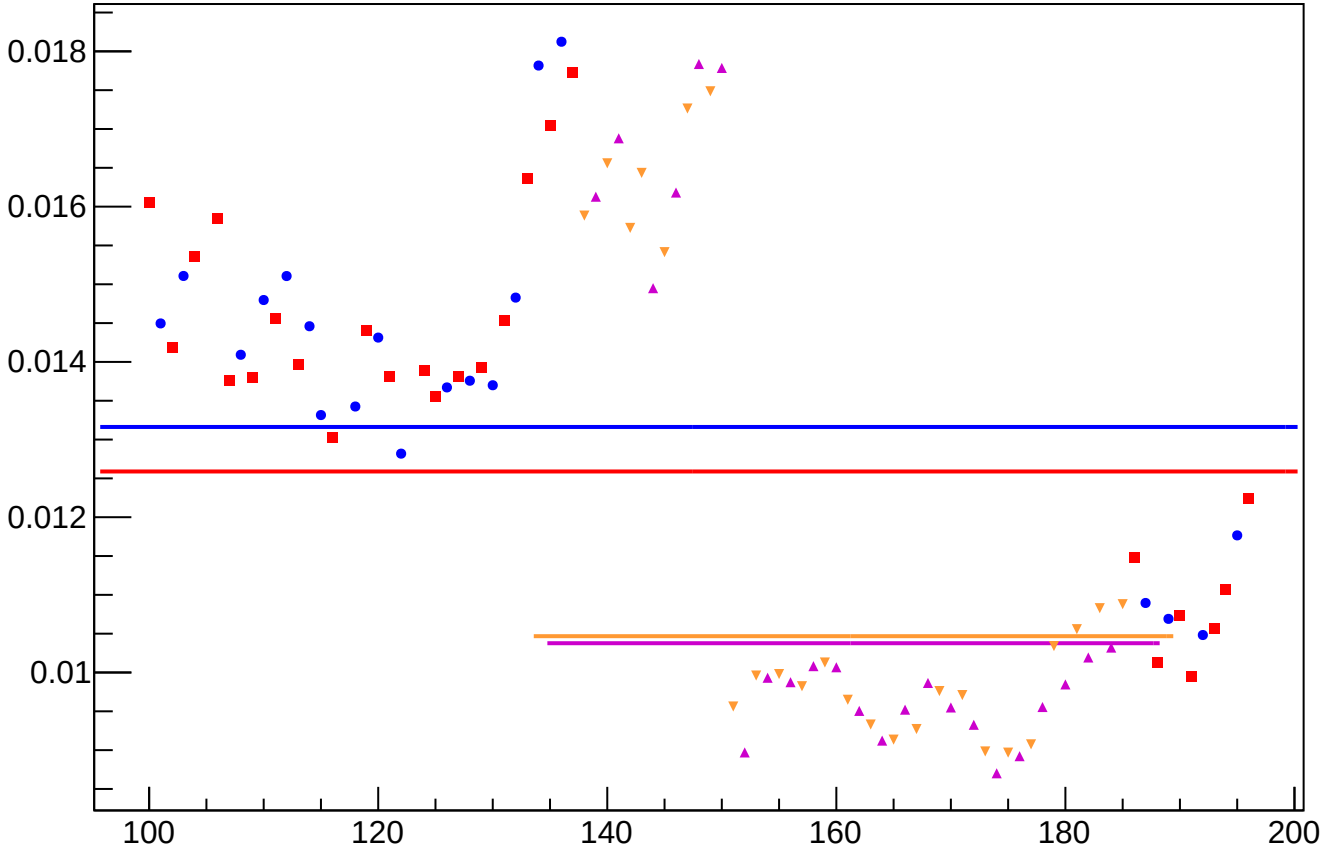
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.499+/-0.000 χ^2/NDF: 146194627965.9/44

All: 1.537+/-0.000 χ^2/NDF: 316727921681.5

- 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: 485848.1/19

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

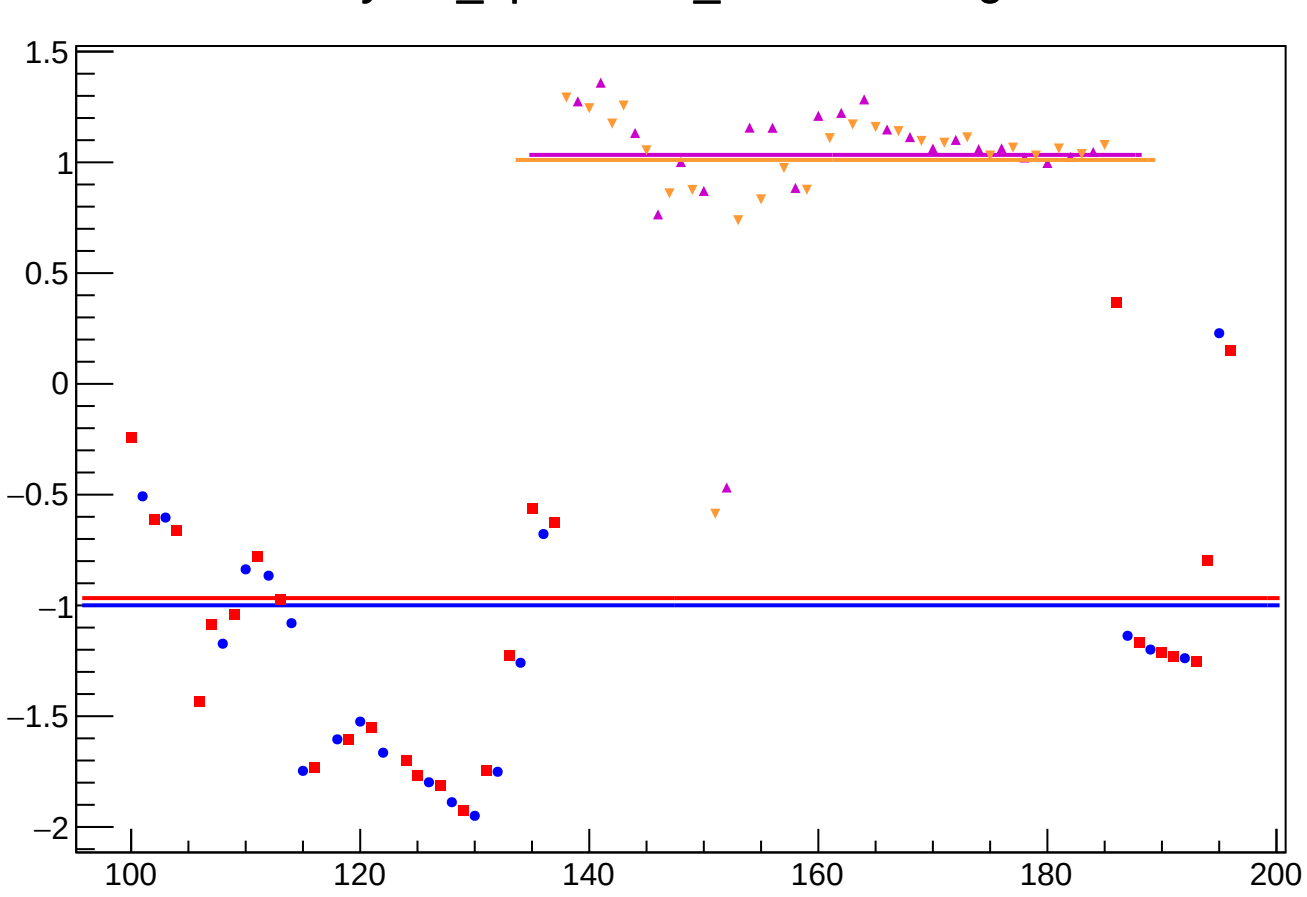
Right Out: 0.013+/-0.000 χ^2/NDF: 589063.0/25

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2743882.6/44

All: 0.011+/-0.000 χ^2/NDF: 5531792.4/93

- sign 0.011+/-0.000 χ^2/NDF: 2786842.5/48



Right In: -0.999+/-0.000 χ^2/NDF: 93298392113.4/19

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.967+/-0.000 χ^2/NDF: 91745056462.7/25

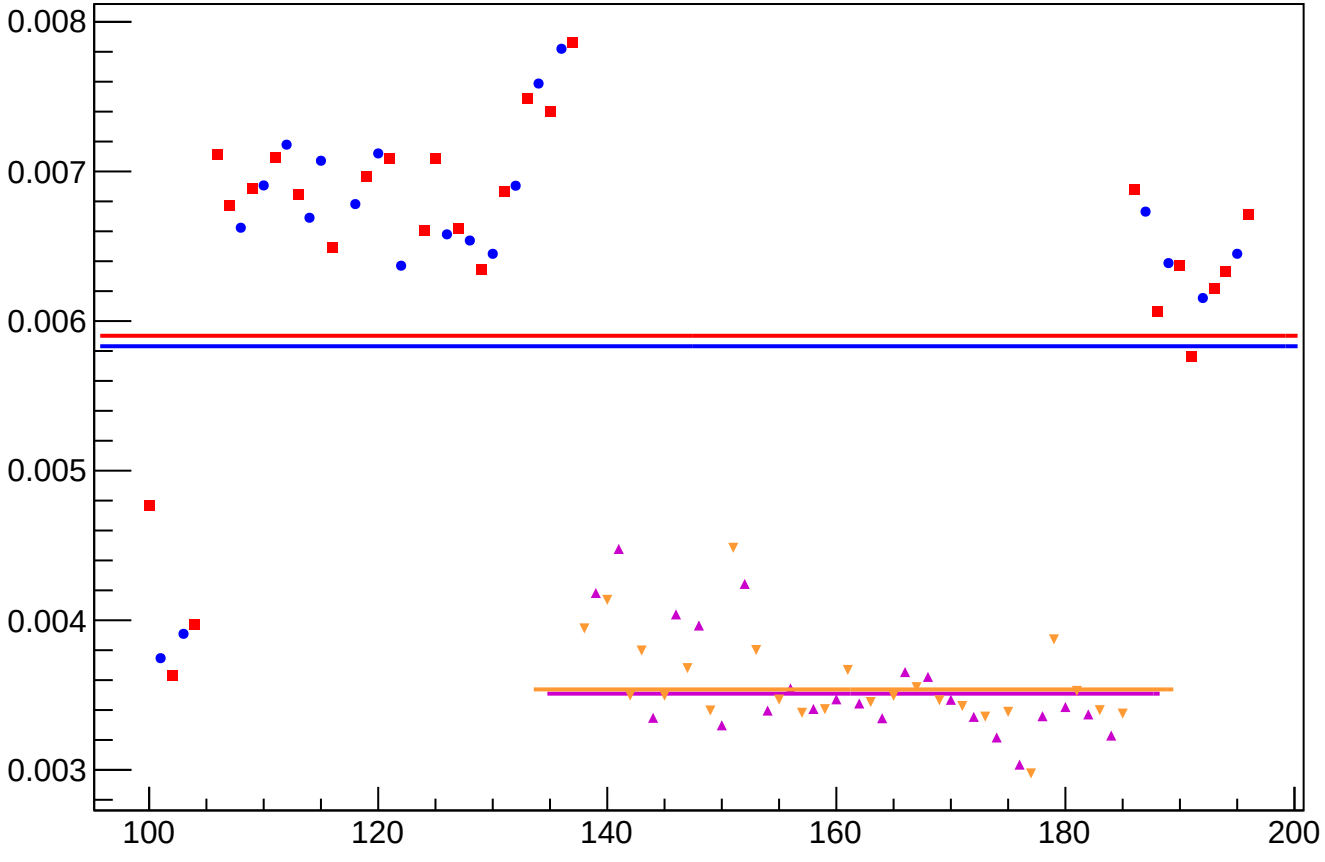
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.698+/-0.000 χ^2/NDF: 1087201387740.6/44

All: 0.680+/-0.000 χ^2/NDF: 2307092393164.

- 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: 988898.8/19

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1055251.7/25

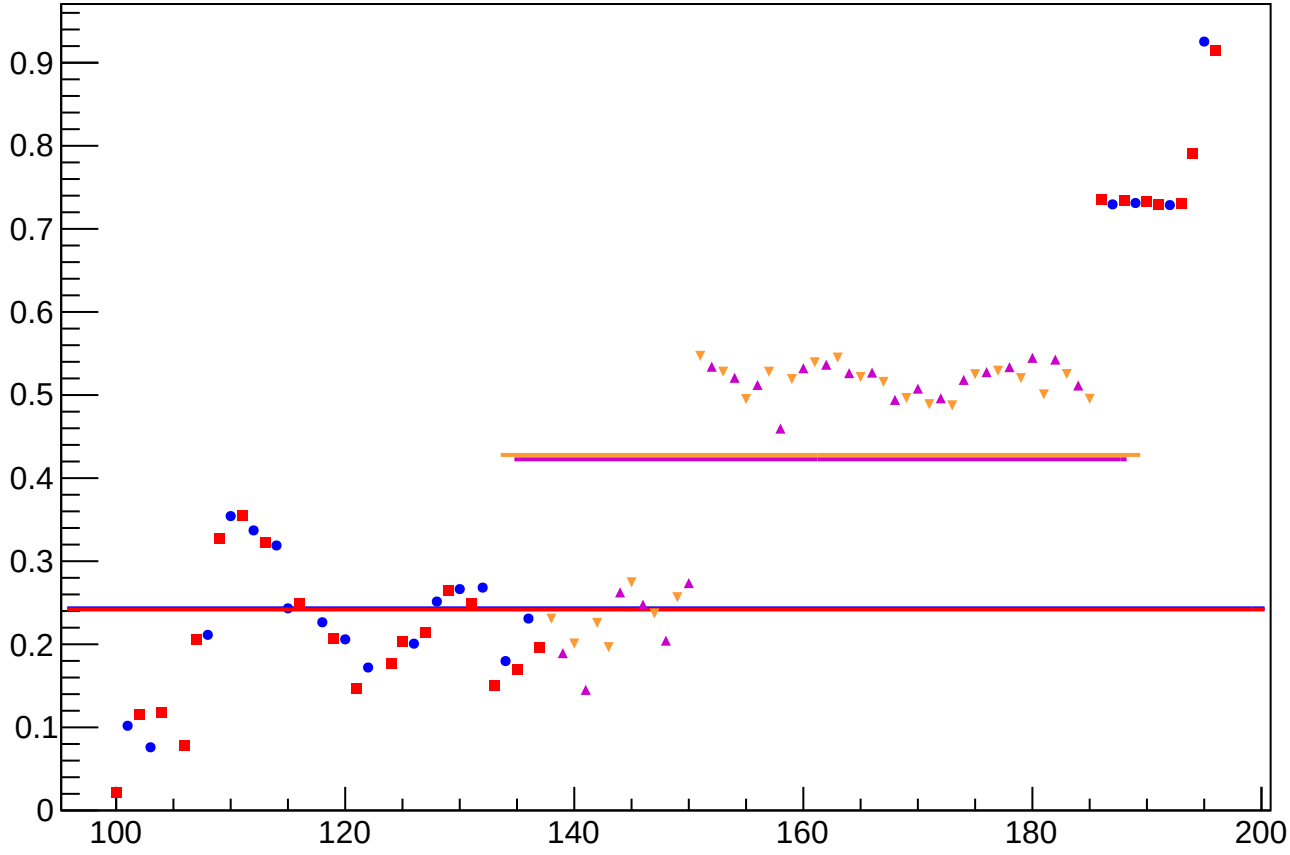
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3503175.6/44

All: 0.004+/-0.000 χ^2/NDF: 7713525.3/93

- sign 0.004+/-0.000 χ^2/NDF: 4204370.1/48

yield_bpm2i01X_mean vs Slug



Right In: 0.243+/-0.000 χ^2/NDF: 65758091533.1/19

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.242+/-0.000 χ^2/NDF: 104292520656.6/25

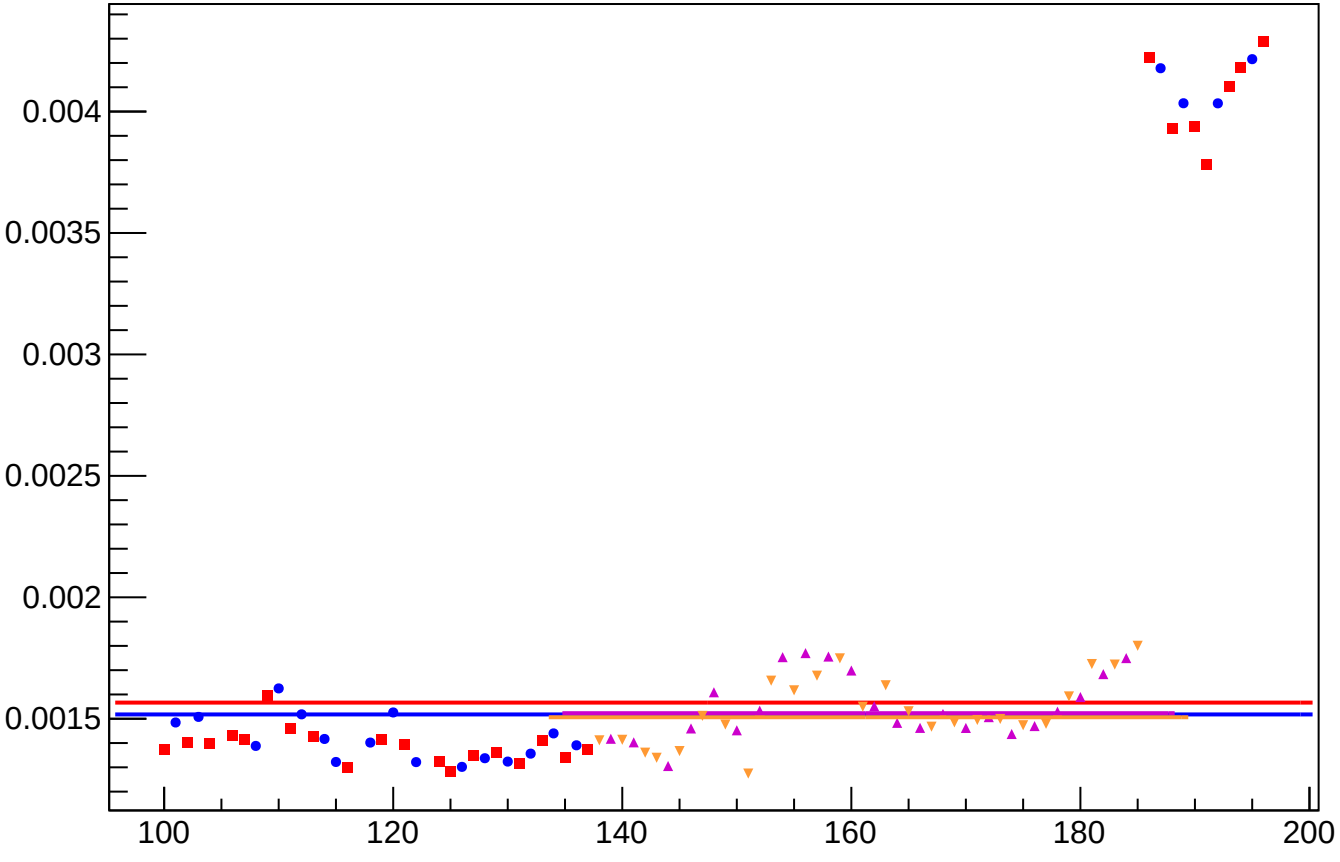
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.372+/-0.000 χ^2/NDF: 306524344323.7/44

All: 0.366+/-0.000 χ^2/NDF: 656758101654.0

- 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: 2162411.2/19

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

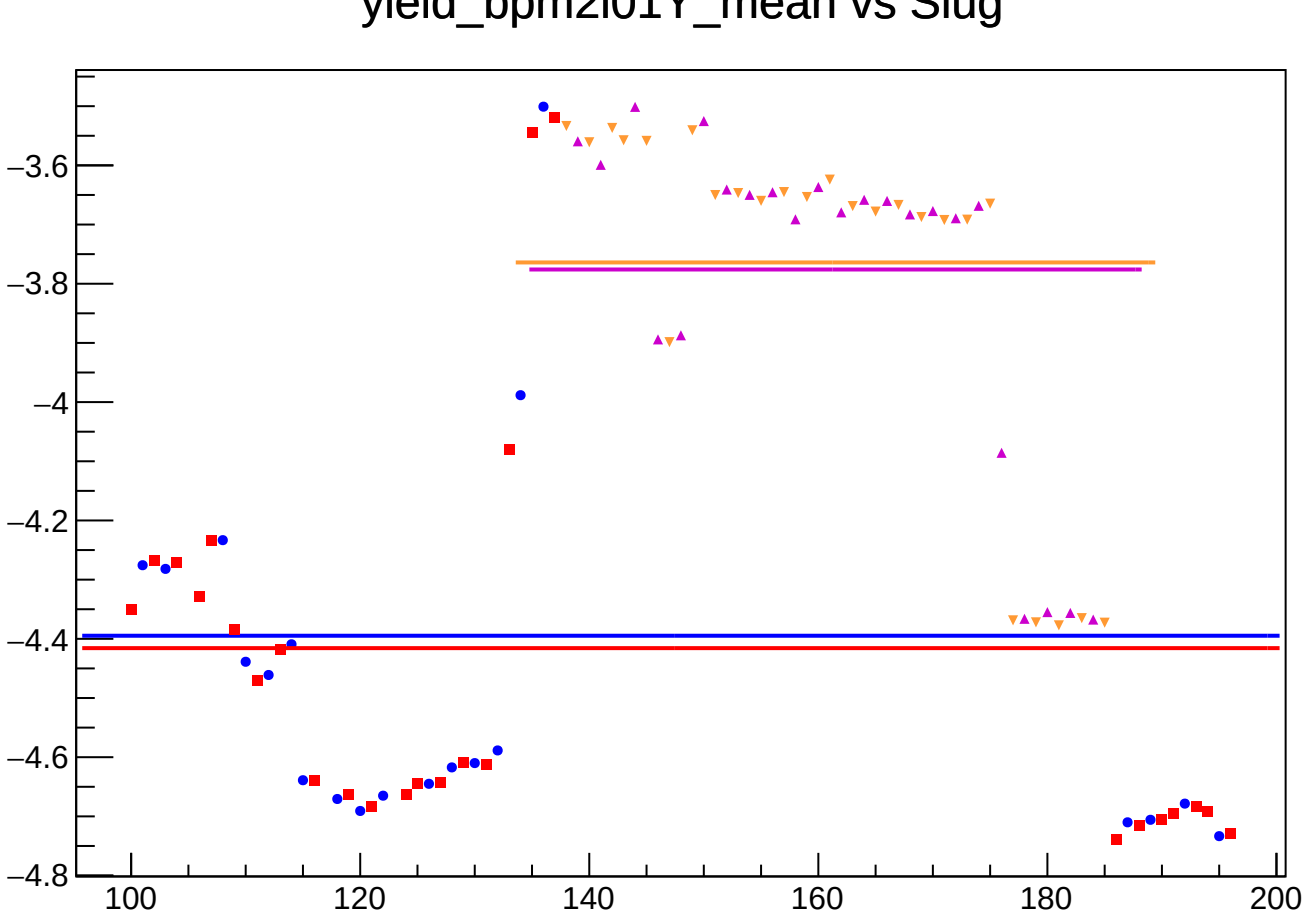
Right Out: 0.002+/-0.000 χ^2/NDF: 3656142.8/25

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2441989.6/44

All: 0.002+/-0.000 χ^2/NDF: 6352405.8/93

- sign 0.002+/-0.000 χ^2/NDF: 3900959.0/48



Right In: -4.395+/-0.000 χ^2/NDF: 378332932603.2/19

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.416+/-0.000 χ^2/NDF: 338736037480.6/25

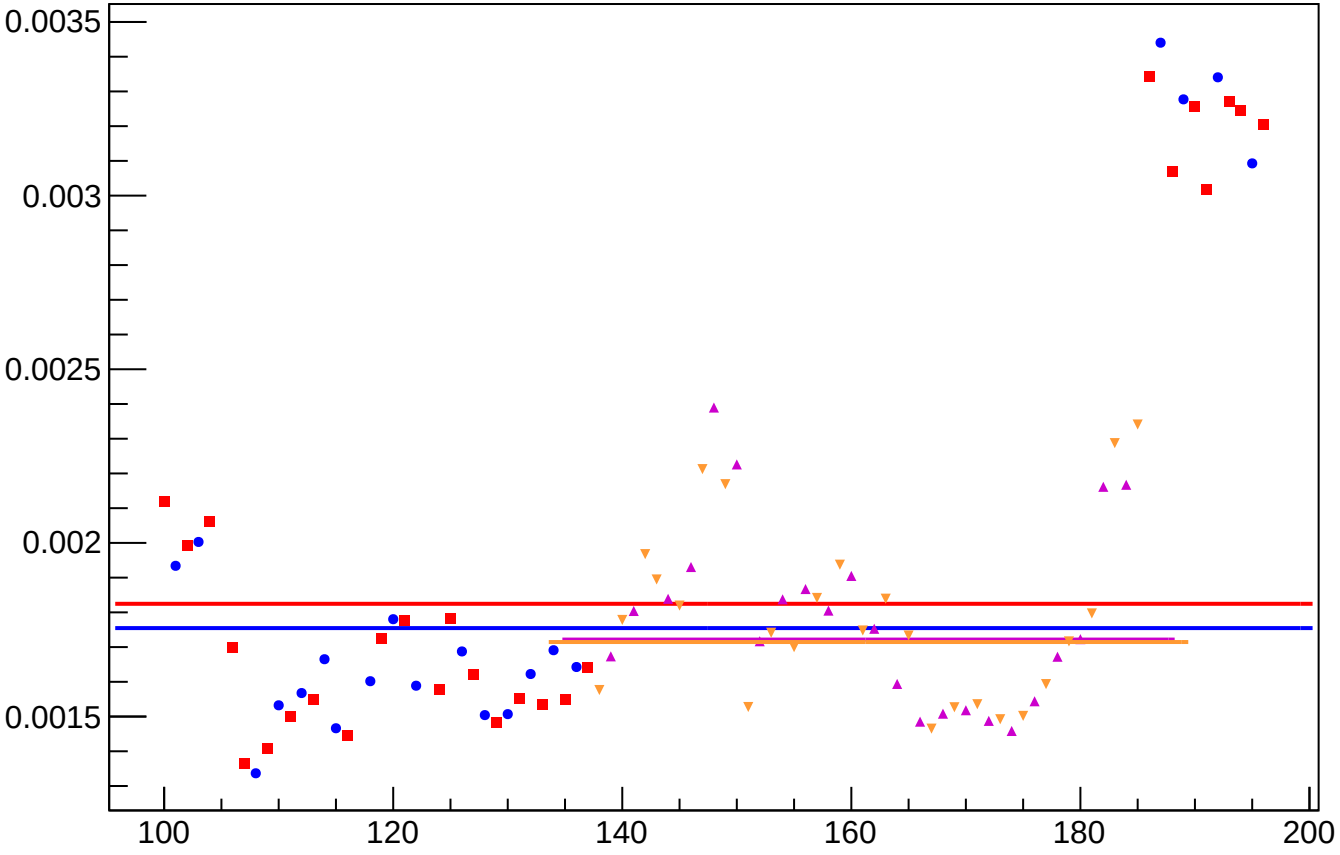
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.961+/-0.000 χ^2/NDF: 1643839819934.1/4

All: -3.980+/-0.000 χ^2/NDF: 323898303525

- 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: 1287188.8/19

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2066931.0/25

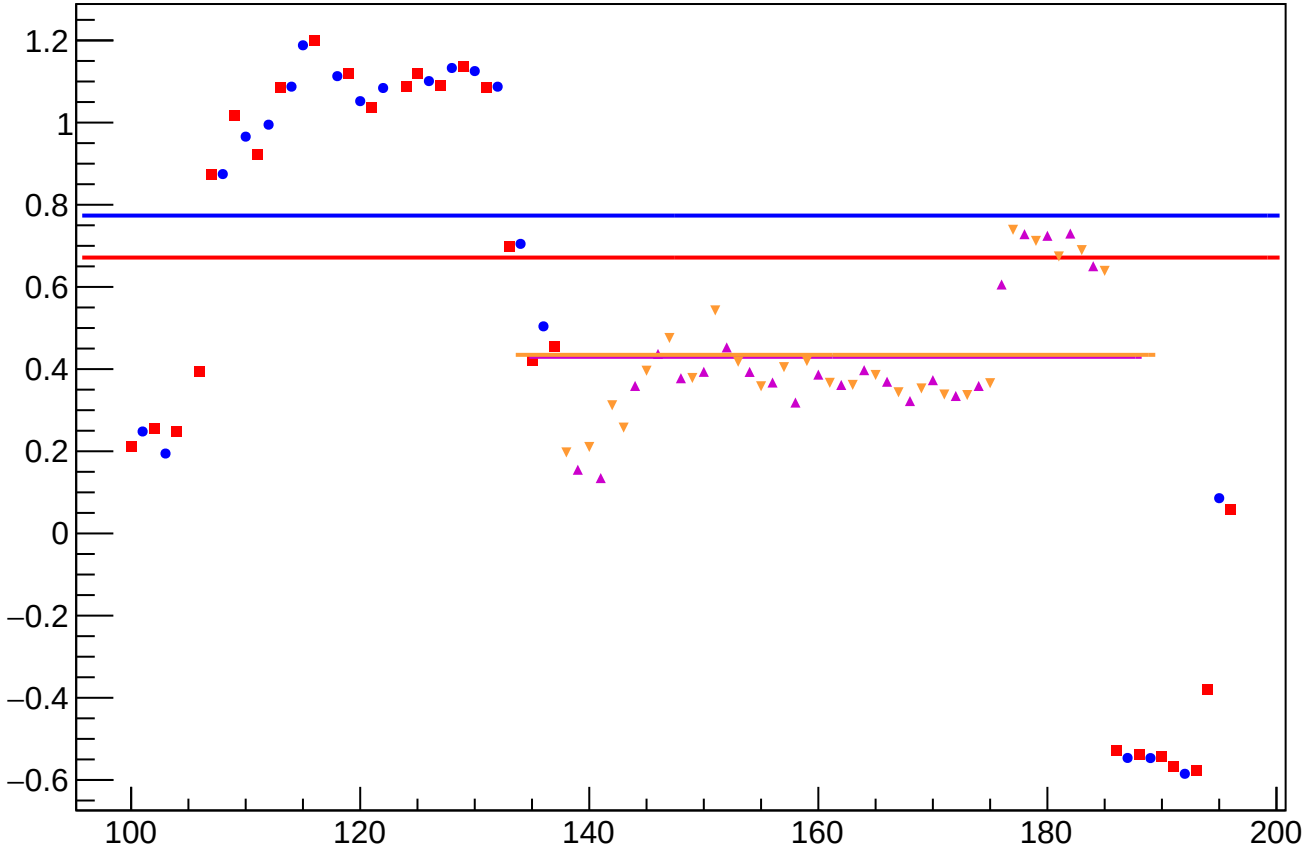
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1855853.1/44

All: 0.002+/-0.000 χ^2/NDF: 4557077.0/93

- sign 0.002+/-0.000 χ^2/NDF: 2692726.2/48

yield_bpm2i02X_mean vs Slug



Right In: 0.774+/-0.000 χ^2/NDF: 49692863310.6/19

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.671+/-0.000 χ^2/NDF: 76352387350.9/25

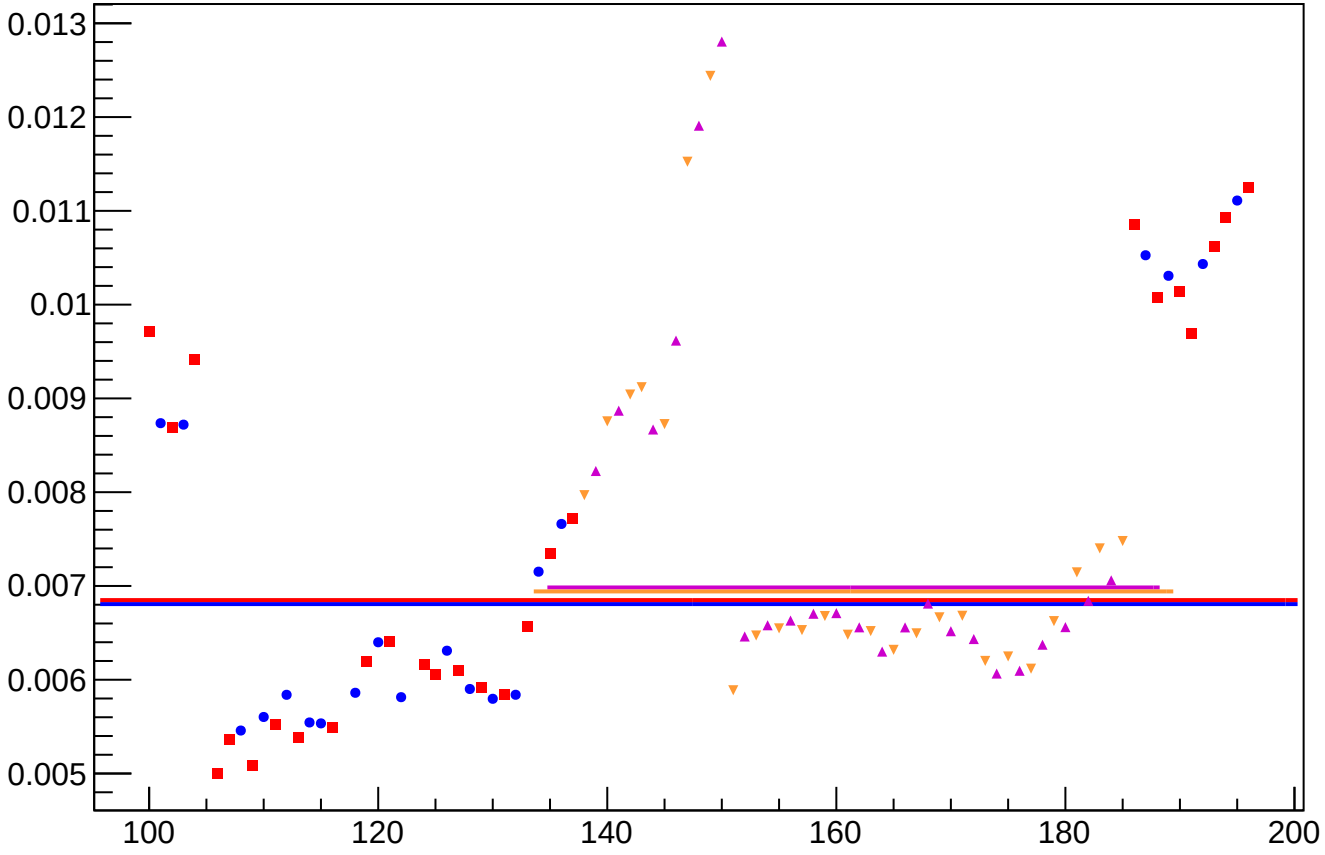
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.549+/-0.000 χ^2/NDF: 73285457364.7/44

All: 0.537+/-0.000 χ^2/NDF: 167176913642.8

- 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: 1083692.2/19

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

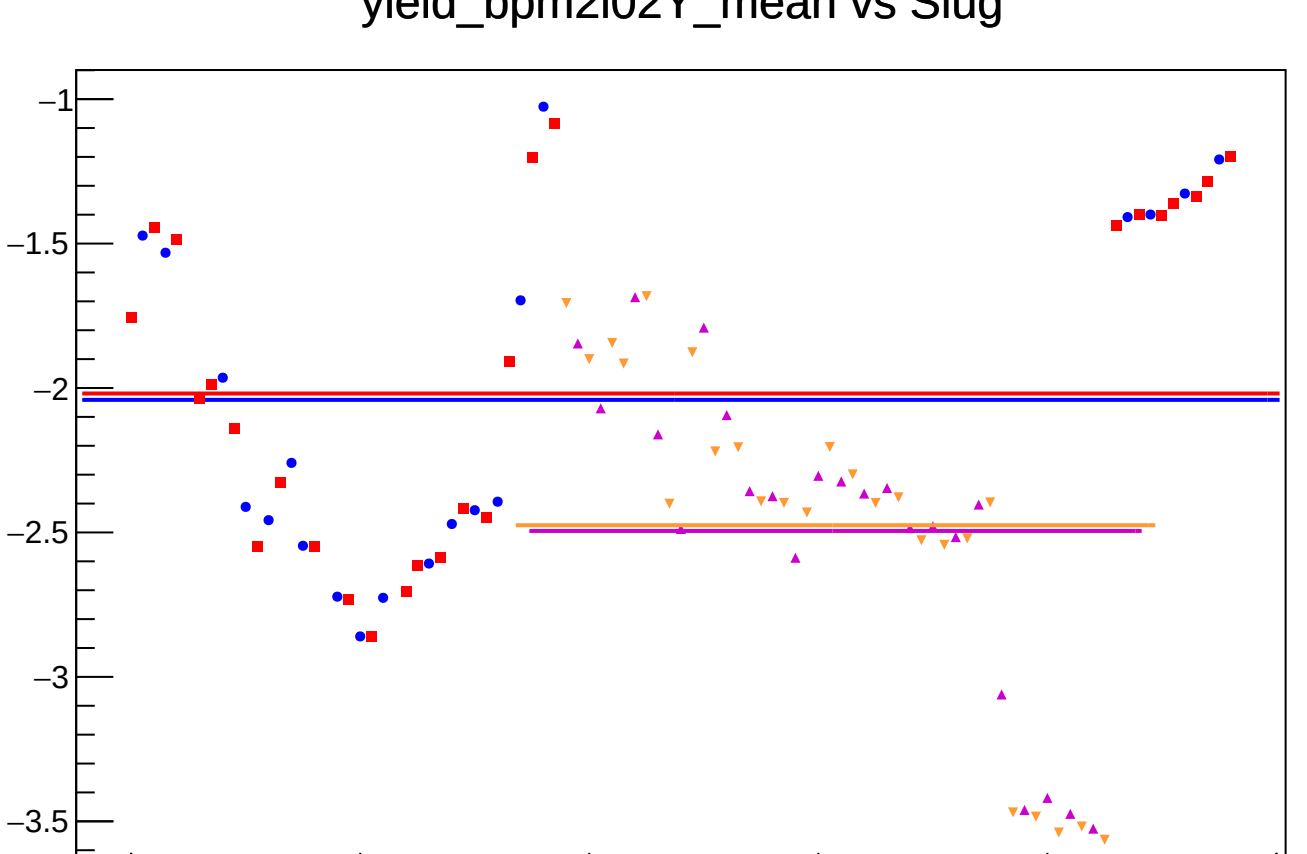
Right Out: 0.007+/-0.000 χ^2/NDF: 1777492.4/25

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2179394.8/44

All: 0.007+/-0.000 χ^2/NDF: 5099293.5/93

- sign 0.007+/-0.000 χ^2/NDF: 2919182.4/48



Right In: -2.041+/-0.000 χ^2/NDF: 82741040036.8/19

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.019+/-0.000 χ^2/NDF: 85687942729.9/25

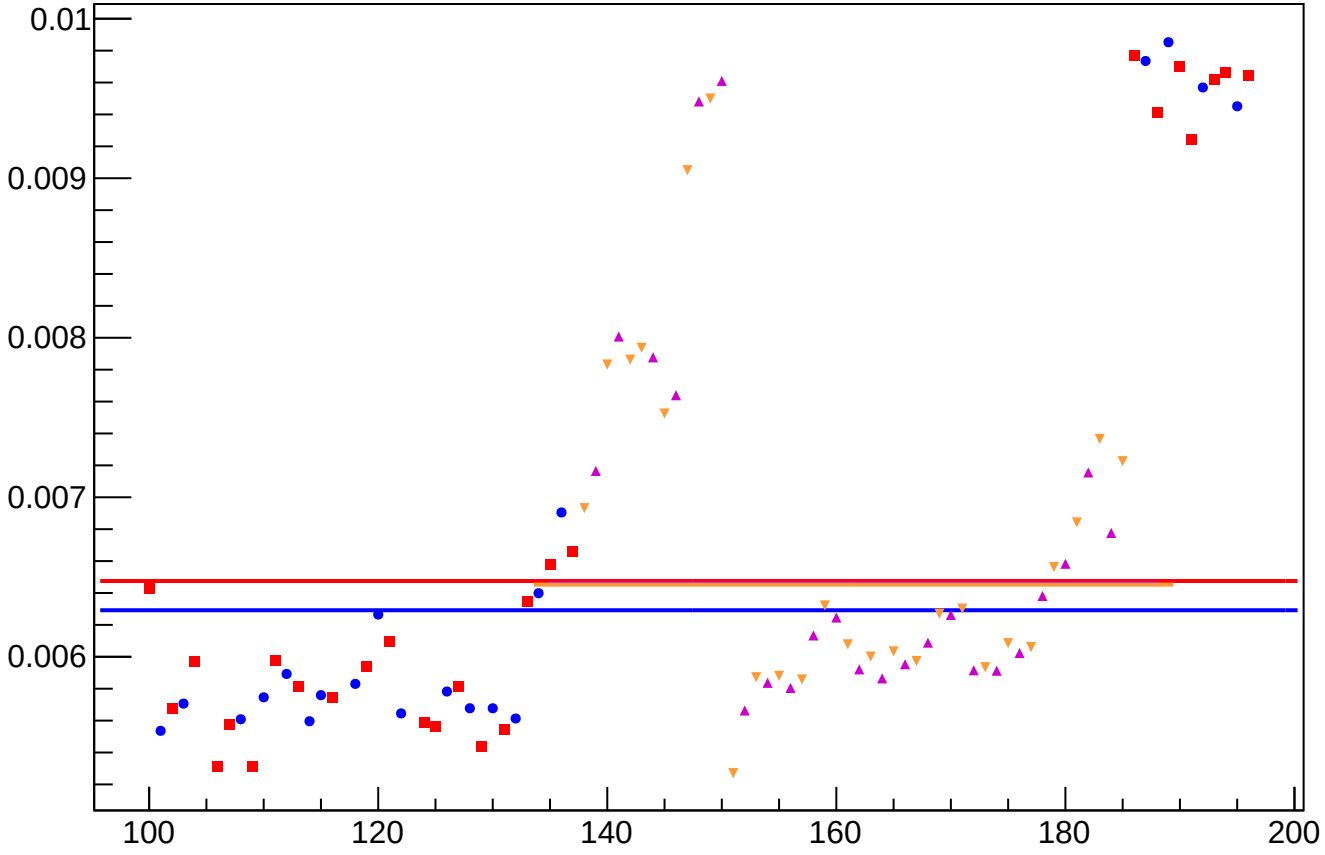
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.326+/-0.000 χ^2/NDF: 235047238632.8/44

All: -2.319+/-0.000 χ^2/NDF: 455135703465.

- 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: 743930.7/19

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

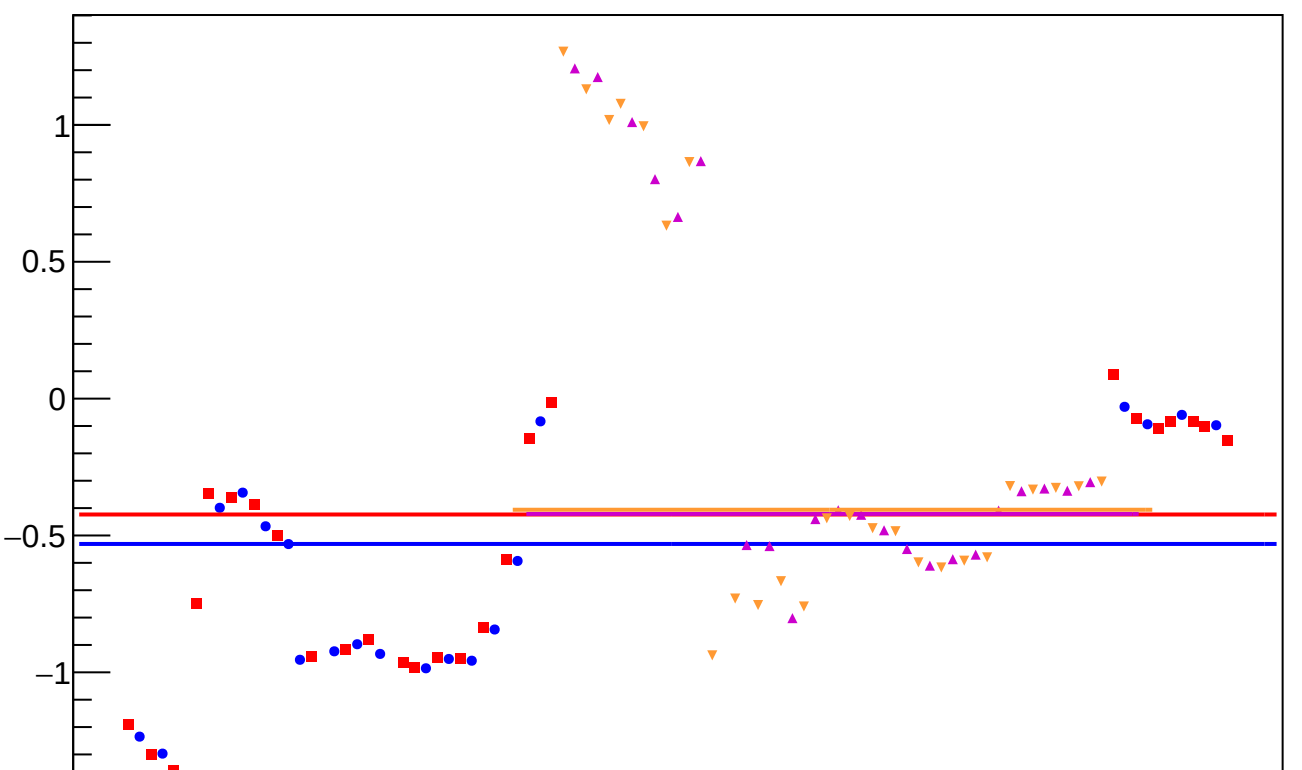
Right Out: 0.006+/-0.000 χ^2/NDF: 1196388.1/25

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1465208.6/44

All: 0.006+/-0.000 χ^2/NDF: 3385644.8/93

- sign 0.006+/-0.000 χ^2/NDF: 1917090.7/48



Right In: -0.531+/-0.000 χ^2/NDF: 20598556558.0/19

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.423+/-0.000 χ^2/NDF: 25796719000.1/25

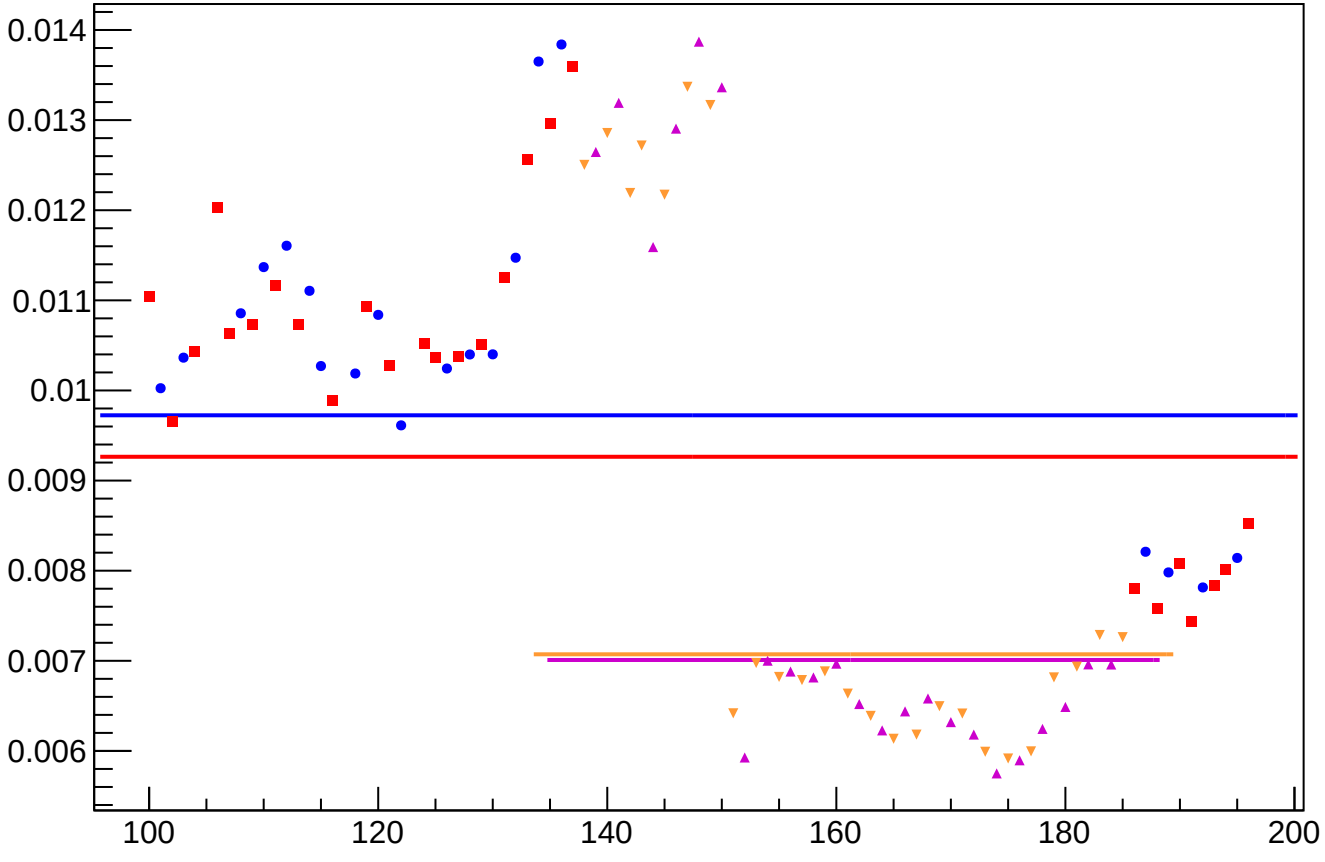
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.433+/-0.000 χ^2/NDF: 103440826896.4/44

All: -0.427+/-0.000 χ^2/NDF: 219509766434.9

- 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: 555128.9/19

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

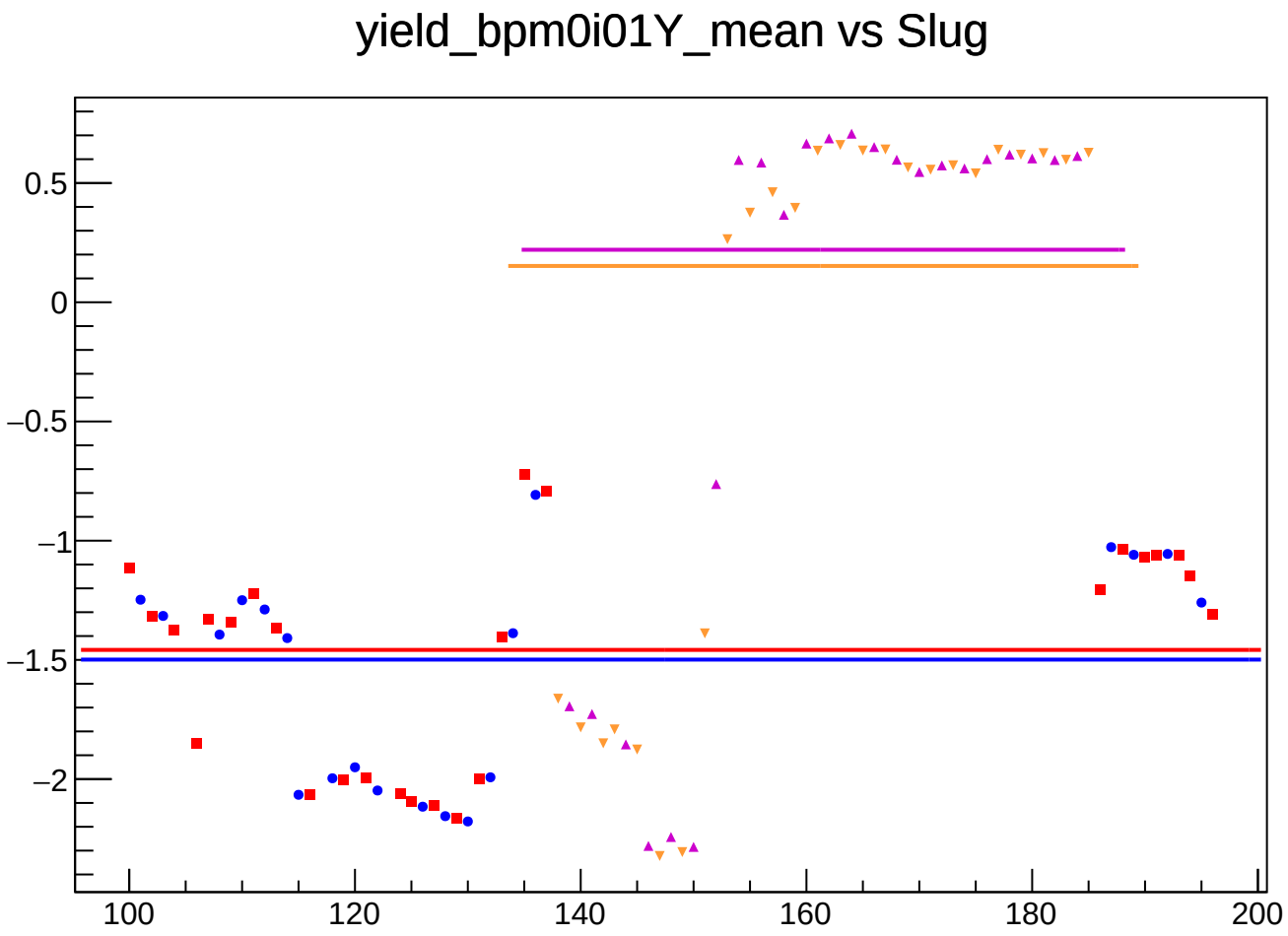
Right Out: 0.009+/-0.000 χ^2/NDF: 662701.2/25

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4027009.2/44

All: 0.008+/-0.000 χ^2/NDF: 8114723.0/93

- sign 0.008+/-0.000 χ^2/NDF: 4087657.2/48



Right In: -1.499+/-0.000 χ^2/NDF: 179764885794.3/19

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.458+/-0.000 χ^2/NDF: 170863630410.4/25

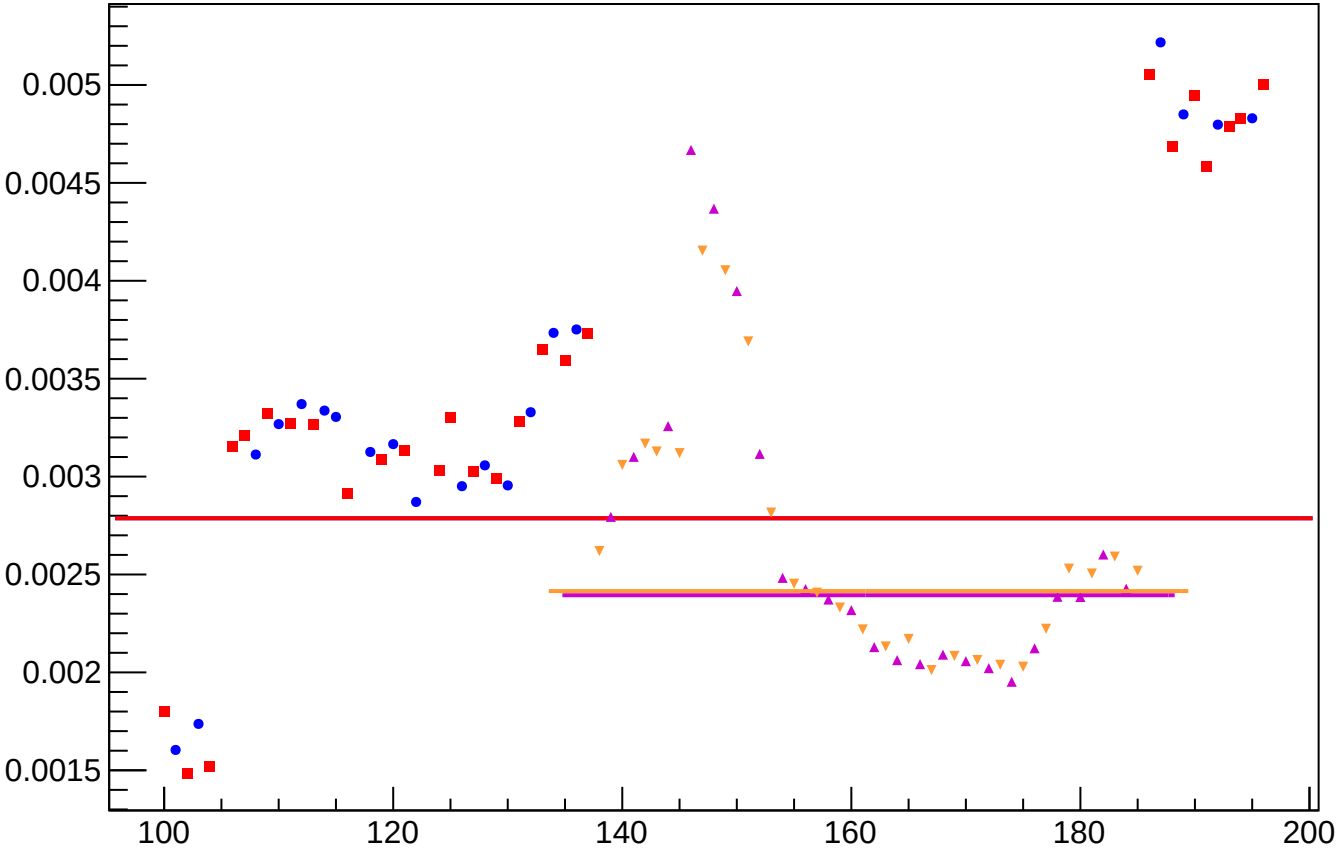
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.279+/-0.000 χ^2/NDF: 4660649523573.8/4

All: -0.282+/-0.000 χ^2/NDF: 9320818445619

- 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: 2165602.7/19

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

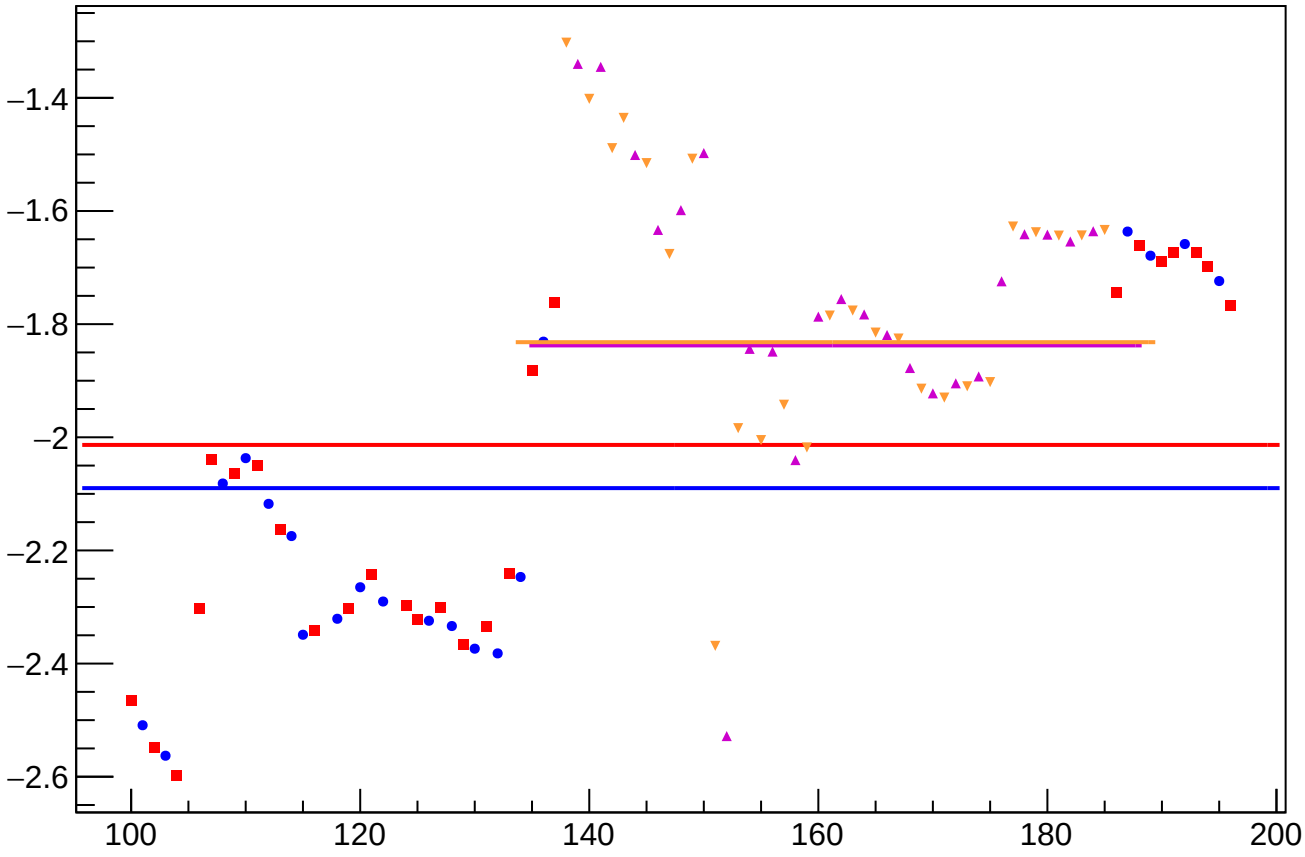
Right Out: 0.003+/-0.000 χ^2/NDF: 3388861.4/25

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 3597301.9/44

All: 0.003+/-0.000 χ^2/NDF: 8655534.0/93

- sign 0.003+/-0.000 χ^2/NDF: 5058231.7/48



Right In: -2.090+/-0.000 χ^2/NDF: 26880268567.6/19

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.013+/-0.000 χ^2/NDF: 34632827433.3/25

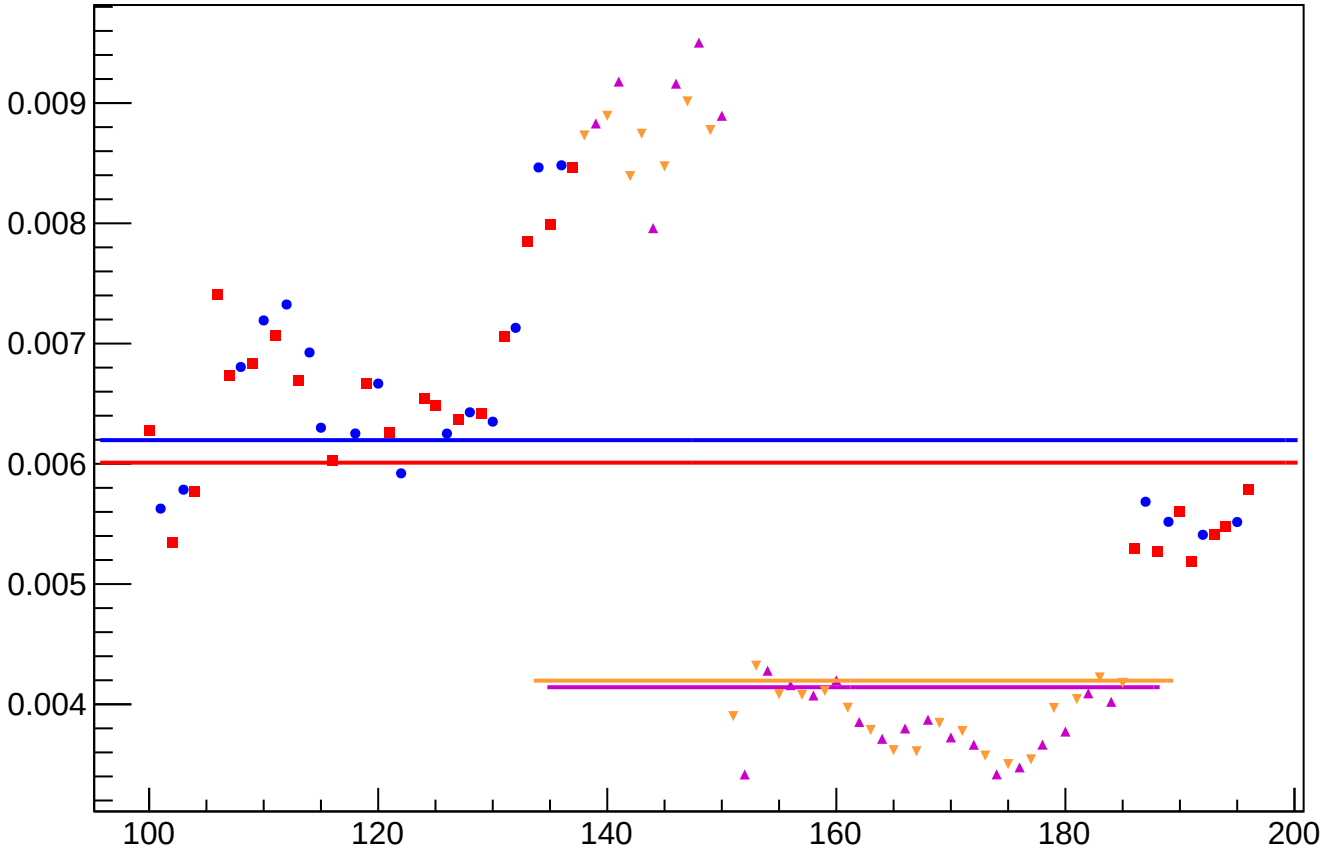
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.883+/-0.000 χ^2/NDF: 78207719844.7/44

All: -1.883+/-0.000 χ^2/NDF: 173579600355.1

- 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: 348971.0/19

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 375473.3/25

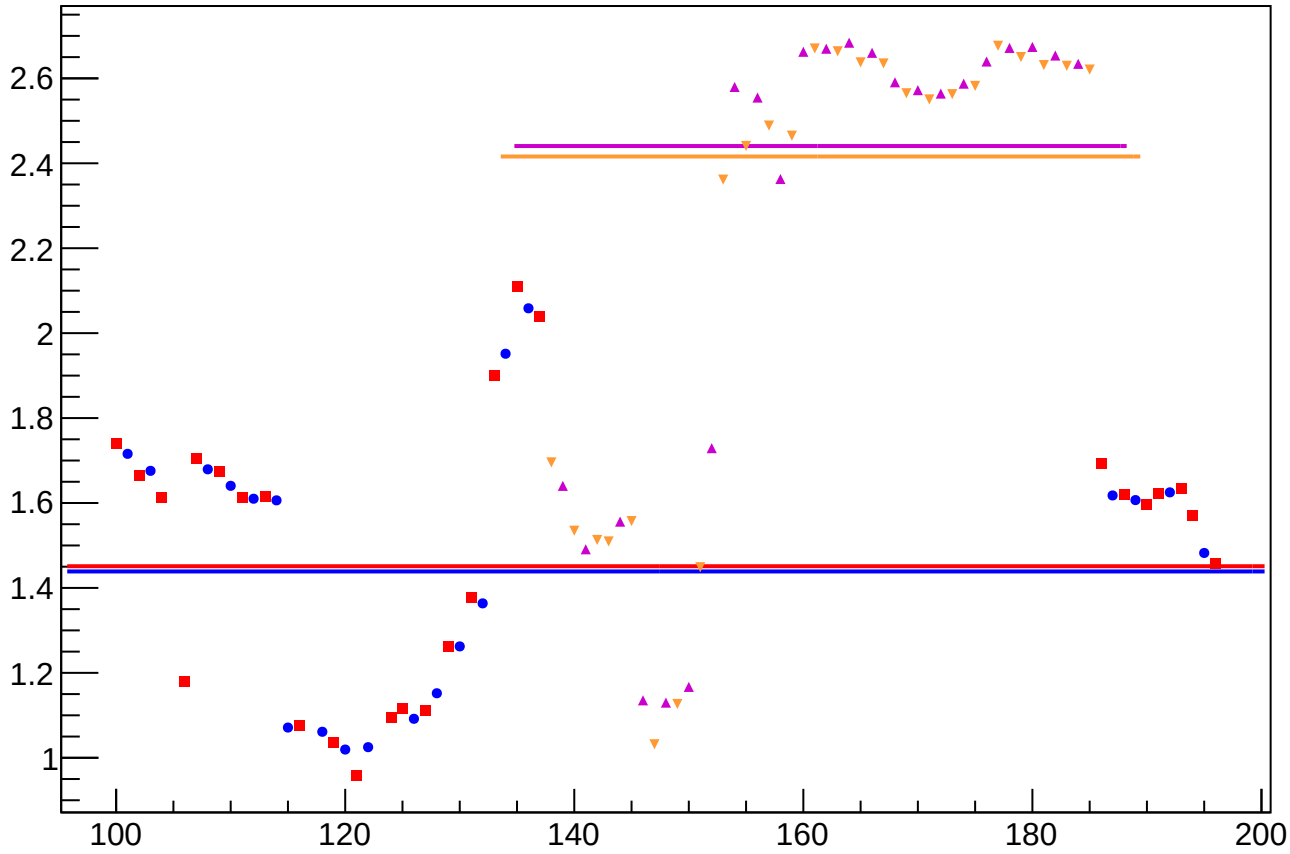
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

\+ sign 0.005+/-0.000 χ^2/NDF: 4998695.5/44

All: 0.005+/-0.000 χ^2/NDF: 10214208.7/93

\- 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: 191269139777.5/19

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

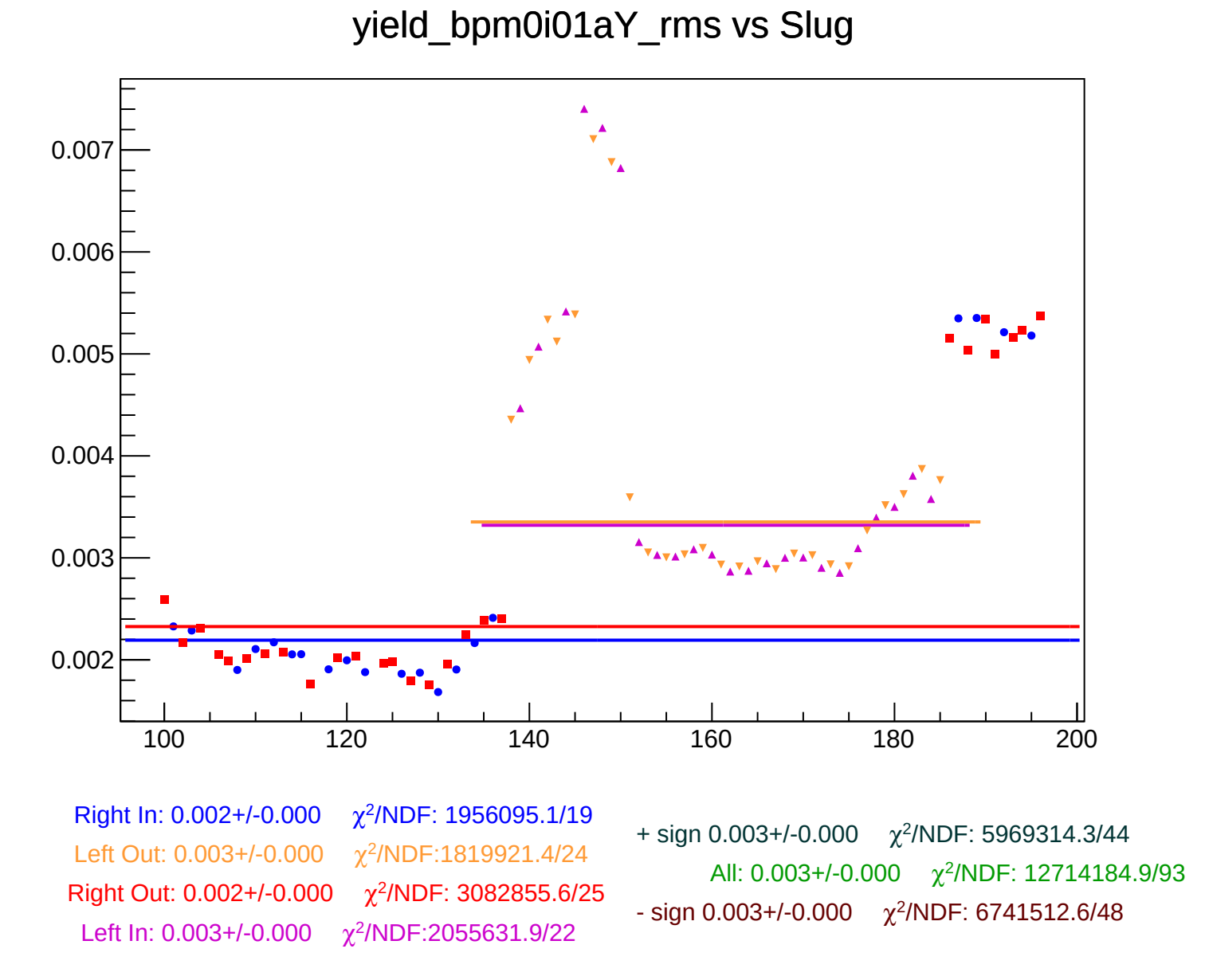
Right Out: 1.451+/-0.000 χ^2/NDF: 186301858996.1/25

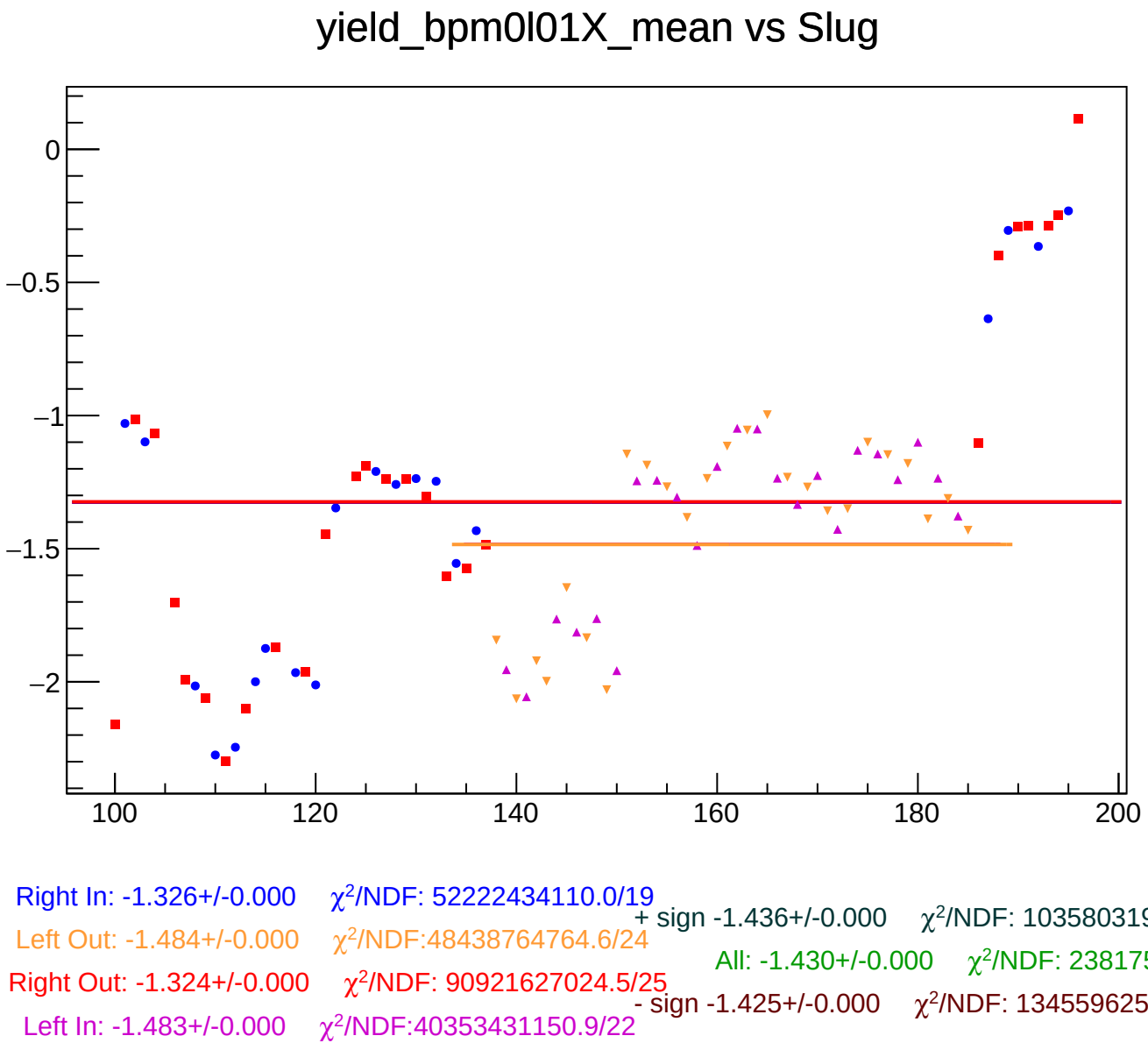
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.903+/-0.000 χ^2/NDF: 1212867521552.0/44

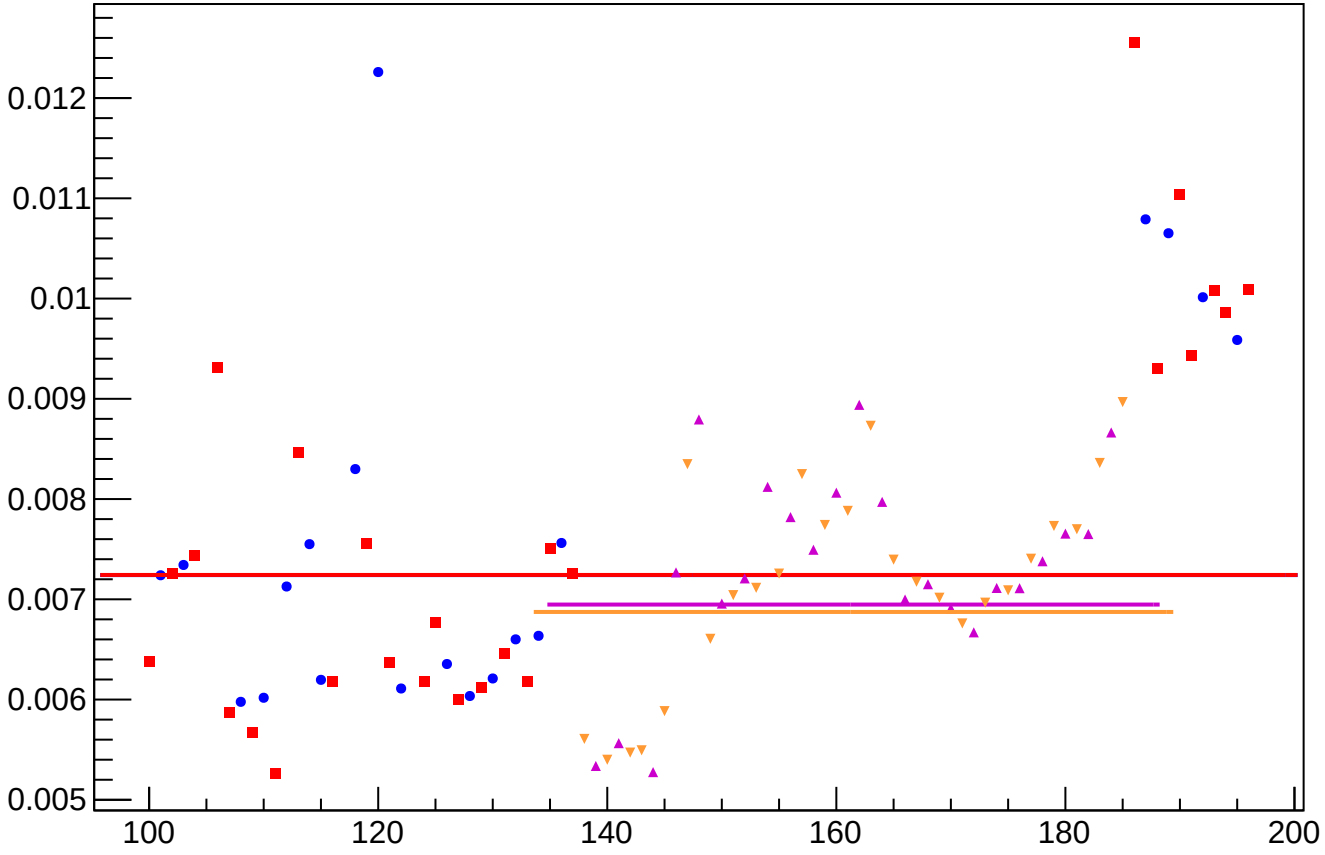
All: 1.901+/-0.000 χ^2/NDF: 2426034796904.

- sign 1.898+/-0.000 χ^2/NDF: 1213137518810.2/48


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 1956095.1/19
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 3082855.6/25
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
+ sign 0.003+/-0.000 χ²/NDF: 5969314.3/44
All: 0.003+/-0.000 χ²/NDF: 12714184.9/93
- sign 0.003+/-0.000 χ²/NDF: 6741512.6/48


yield_bpm0l01X_mean vs Slug
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -1.326+/-0.000 χ²/NDF: 52222434110.0/19
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.324+/-0.000 χ²/NDF: 90921627024.5/25
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
+ sign -1.436+/-0.000 χ²/NDF: 103580319732.8/44
All: -1.430+/-0.000 χ²/NDF: 238175822996.3
- sign -1.425+/-0.000 χ²/NDF: 134559625282.2/48

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 685943.2/19

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

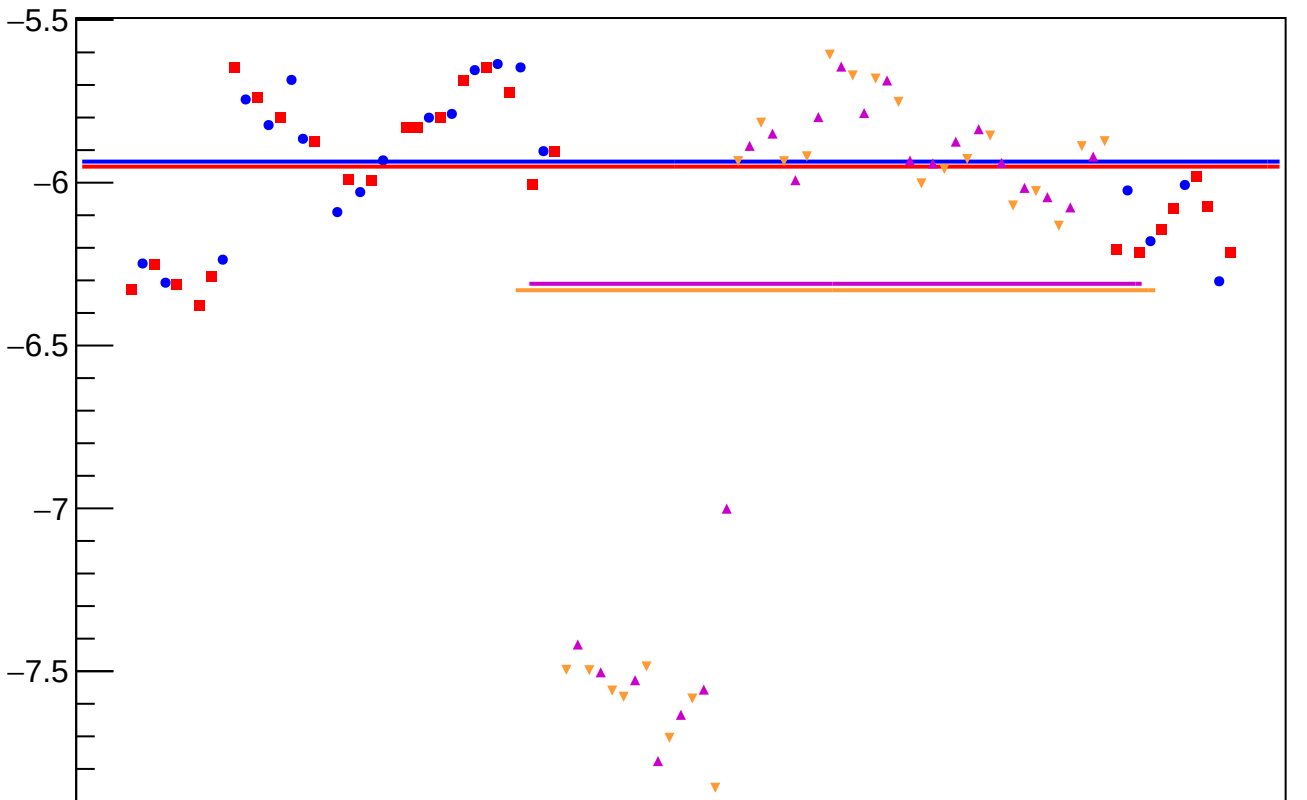
Right Out: 0.007+/-0.000 χ^2/NDF: 1105840.0/25

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1462836.0/44

All: 0.007+/-0.000 χ^2/NDF: 3340826.5/93

- sign 0.007+/-0.000 χ^2/NDF: 1875198.0/48



Right In: -5.935+/-0.000 χ^2/NDF: 12704152869.8/19

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.951+/-0.000 χ^2/NDF: 13808186734.3/25

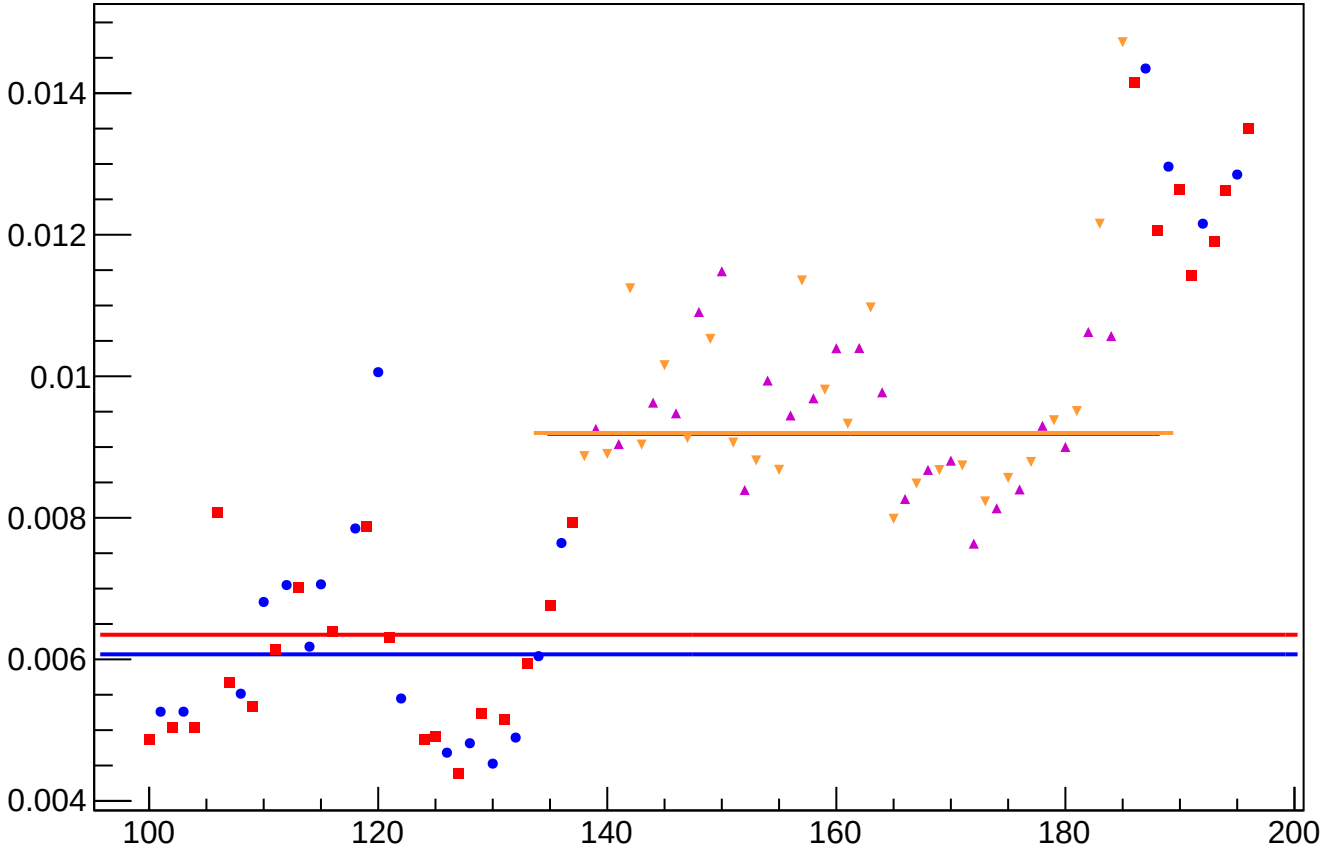
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.122+/-0.000 χ^2/NDF: 138744556449.3/44

All: -6.114+/-0.000 χ^2/NDF: 257651499017.7

- 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: 1930409.8/19

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2727075.4/25

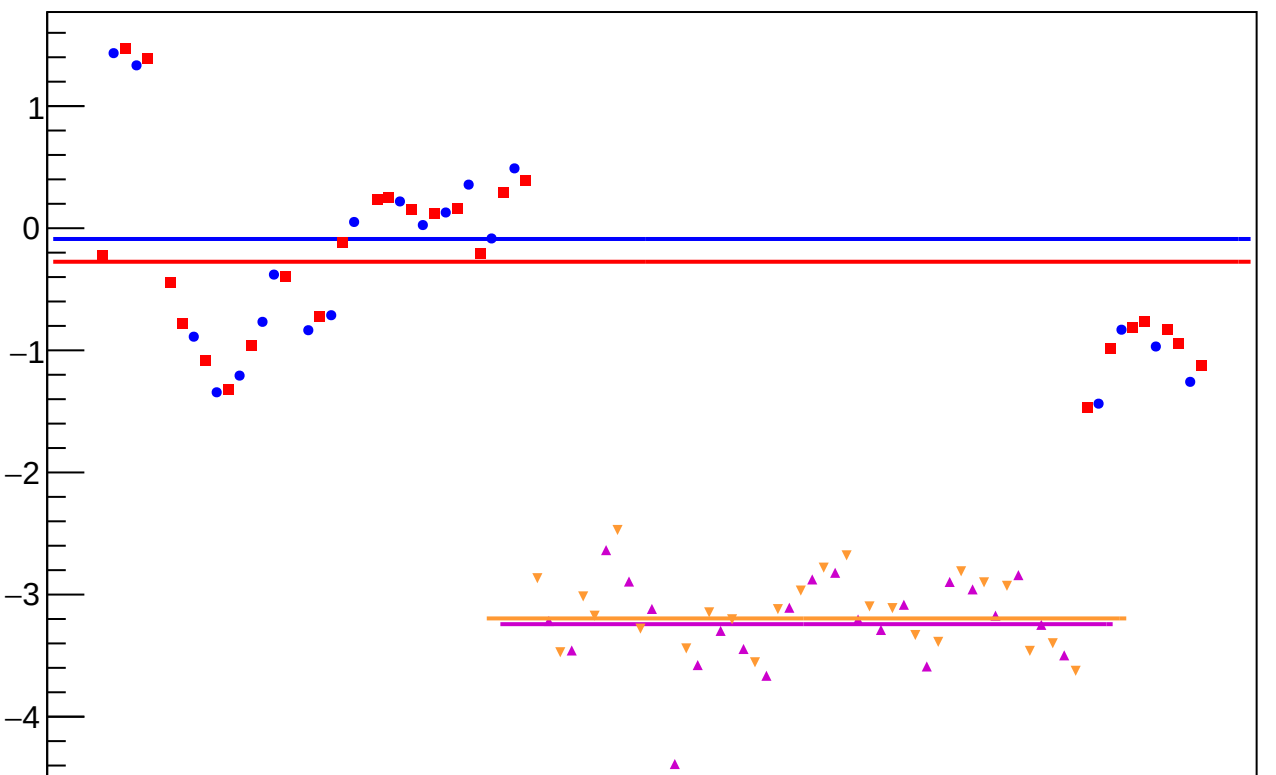
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4267629.7/44

All: 0.008+/-0.000 χ^2/NDF: 8976256.0/93

- sign 0.008+/-0.000 χ^2/NDF: 4708181.6/48

yield_bpm0l02X_mean vs Slug



Right In: -0.088+/-0.000 χ^2/NDF: 28200999820.1/19

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.275+/-0.000 χ^2/NDF: 32250025684.2/25

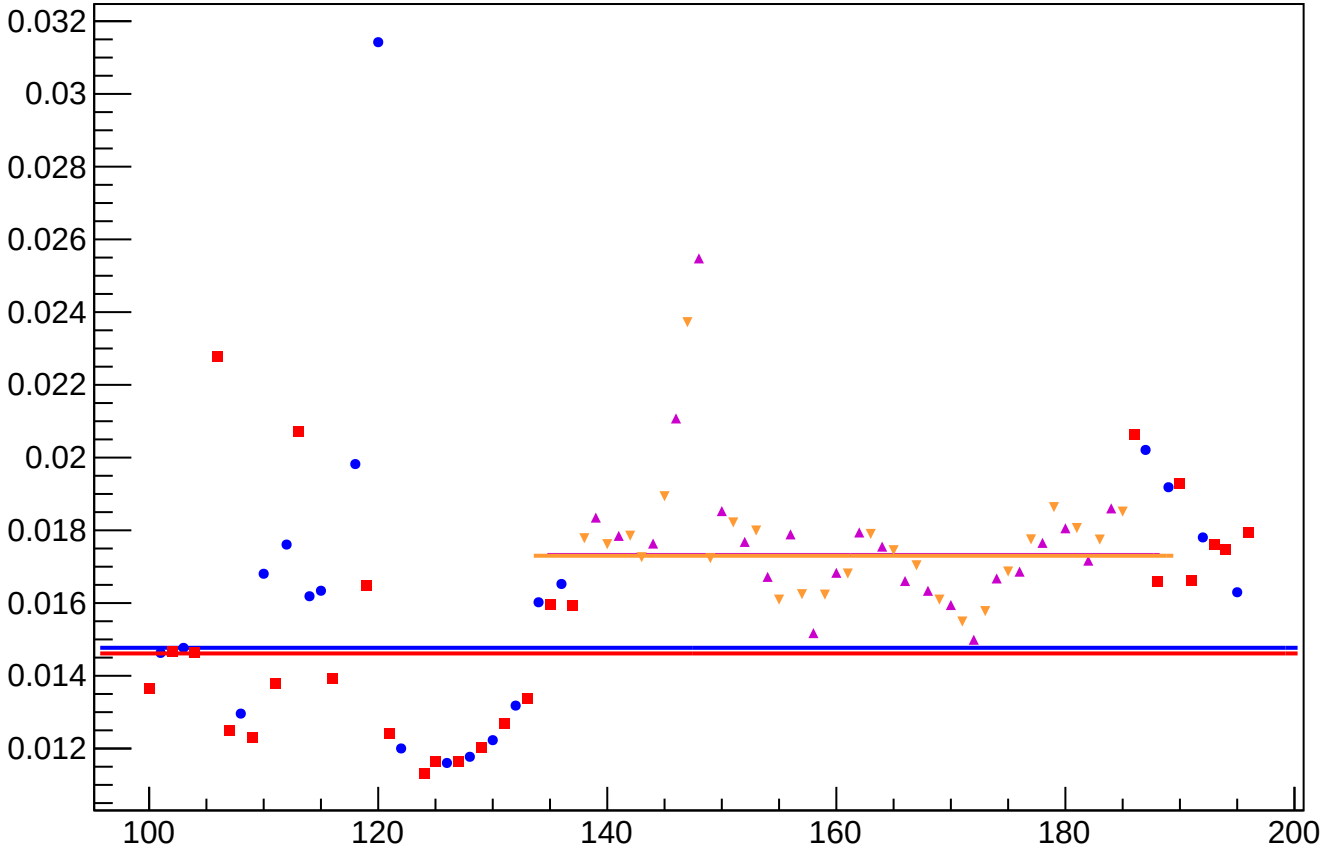
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.981+/-0.000 χ^2/NDF: 271951725093.8/44

All: -1.918+/-0.000 χ^2/NDF: 552761384866.0

- 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: 642701.6/19

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

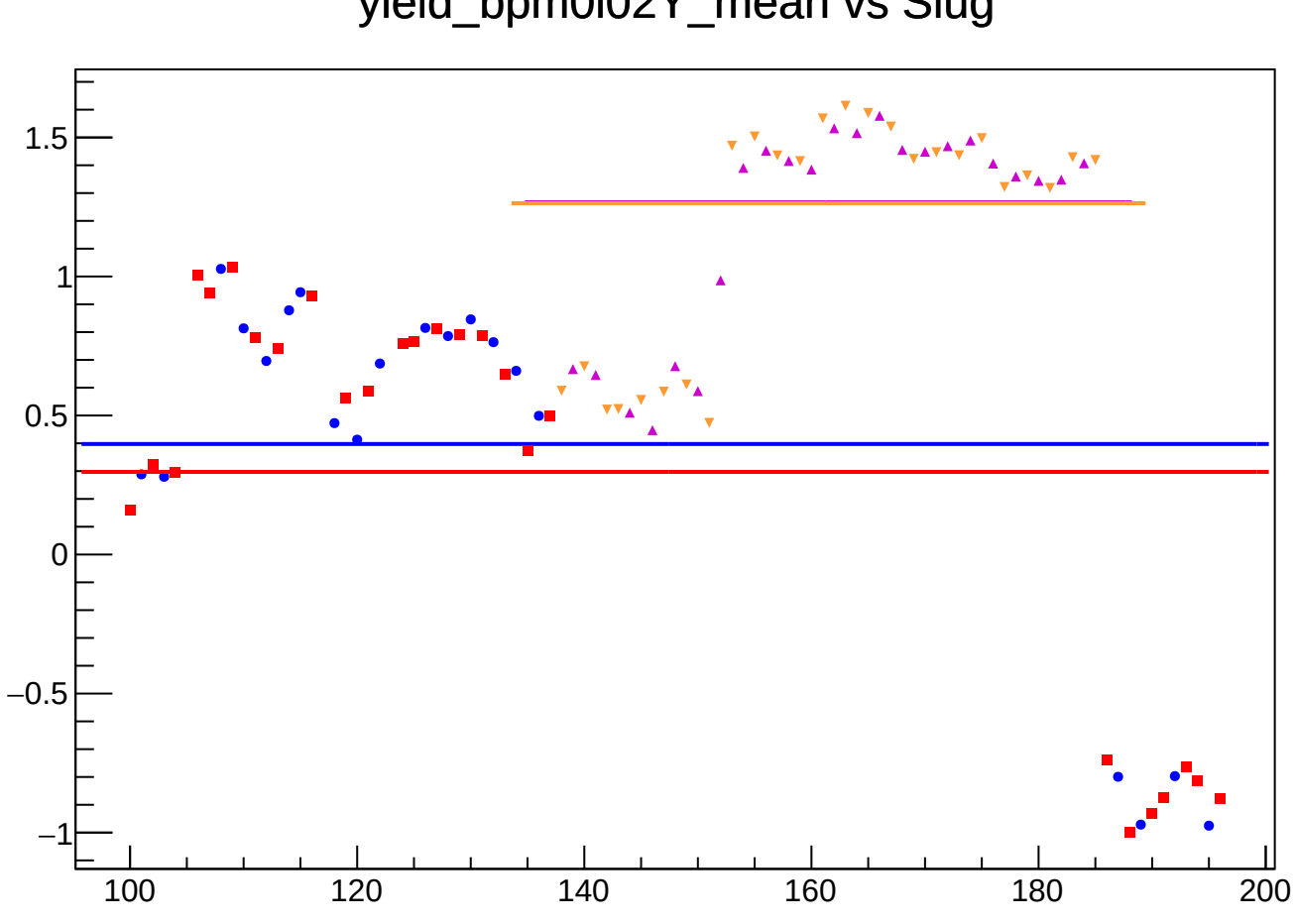
Right Out: 0.015+/-0.000 χ^2/NDF: 686253.2/25

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1171568.7/44

All: 0.016+/-0.000 χ^2/NDF: 2593837.0/93

- sign 0.016+/-0.000 χ^2/NDF: 1415580.4/48



Right In: 0.398+/-0.000 χ^2/NDF: 36150824650.7/19

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.297+/-0.000 χ^2/NDF: 56298397651.6/25

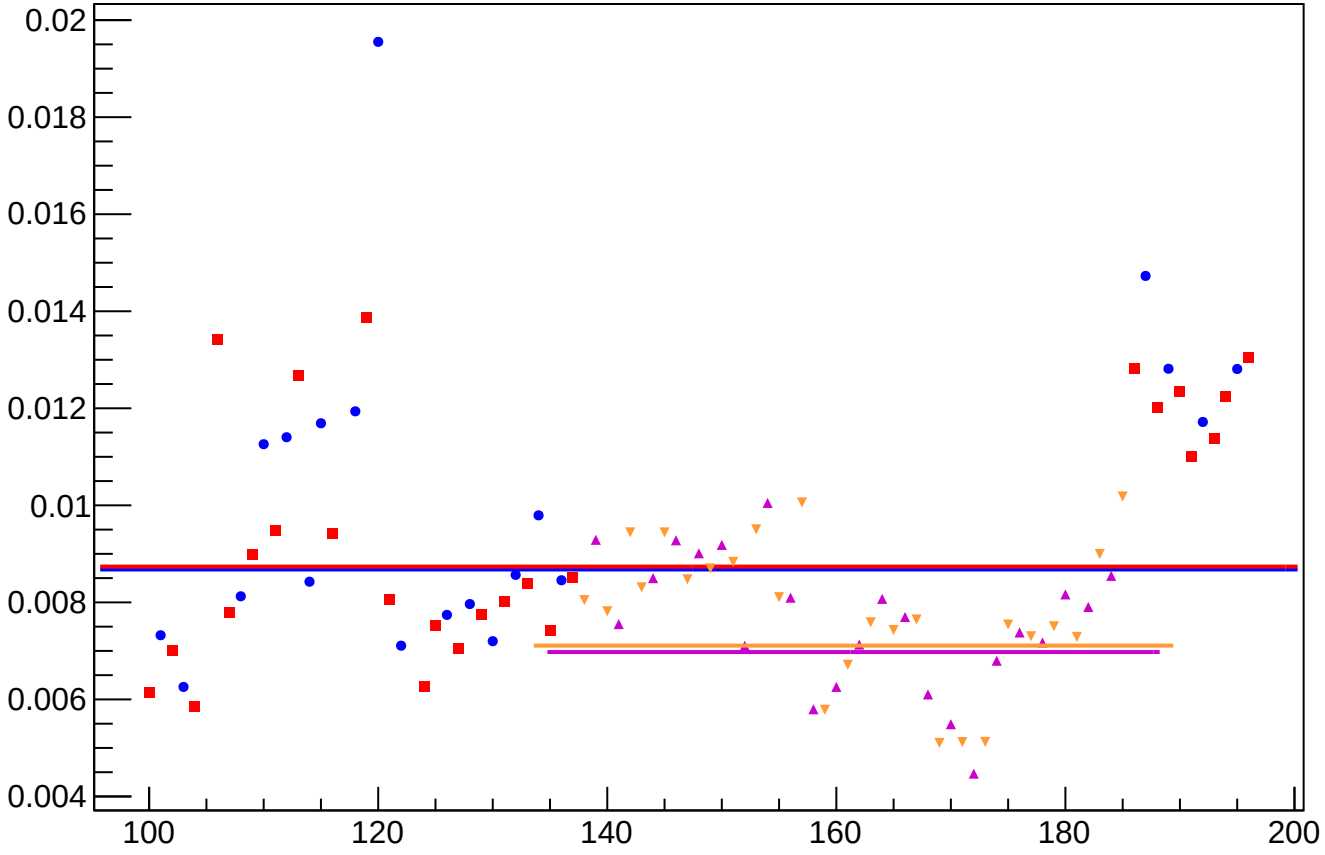
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.050+/-0.000 χ^2/NDF: 143989245976.2/44

All: 1.019+/-0.000 χ^2/NDF: 328736087081.0

- 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: 1133551.6/19

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1454106.6/25

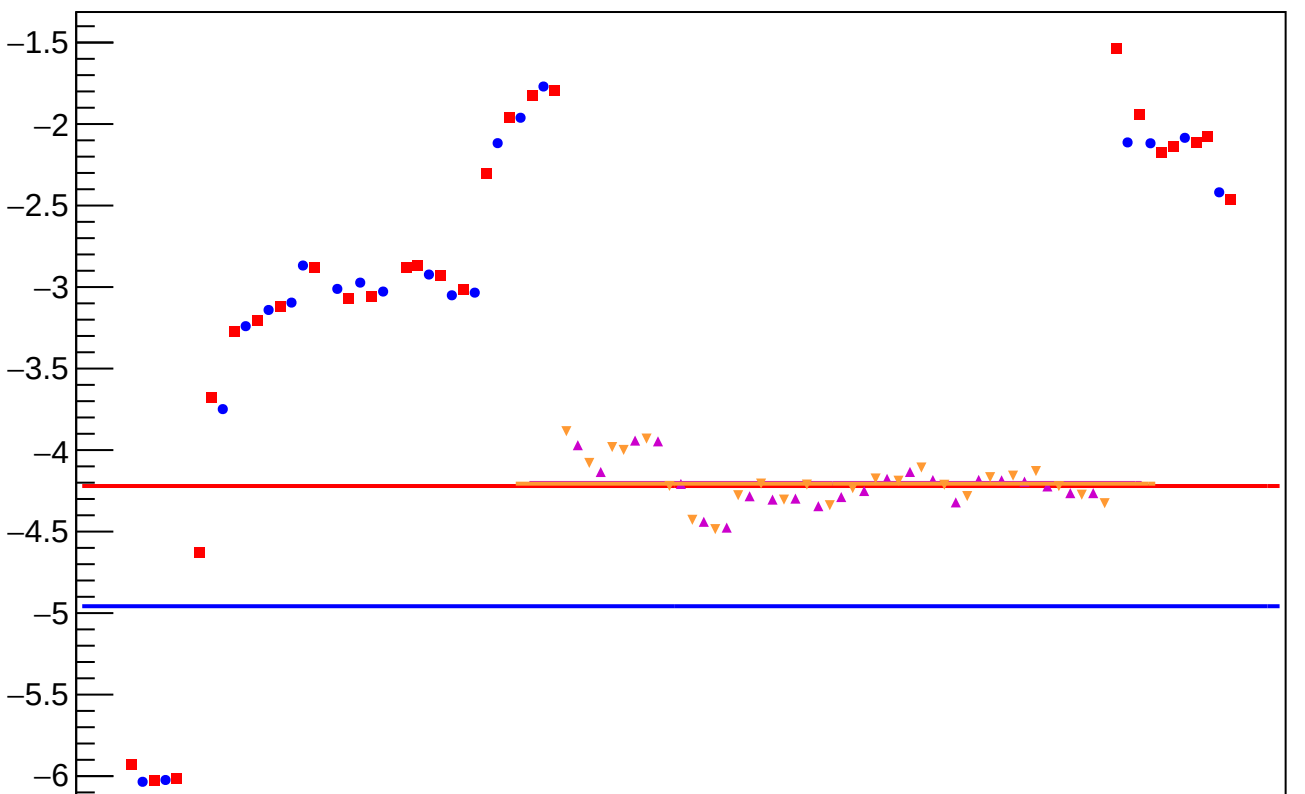
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 3061474.2/44

All: 0.007+/-0.000 χ^2/NDF: 6566898.8/93

- sign 0.007+/-0.000 χ^2/NDF: 3505323.5/48

yield_bpm0l03X_mean vs Slug



Right In: -4.958+/-0.000 χ^2/NDF: 204673321612.8/19

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.220+/-0.000 χ^2/NDF: 288909004402.9/25

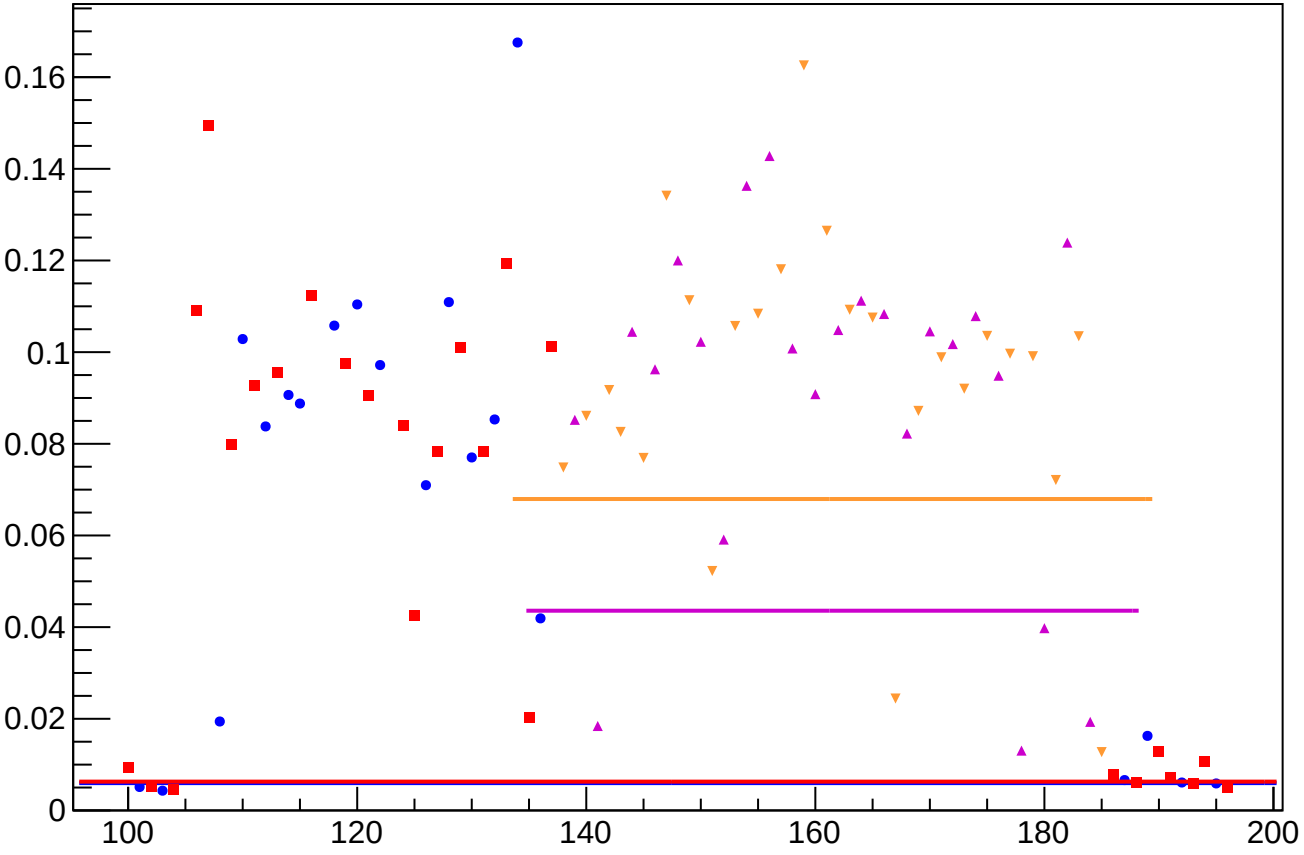
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.930+/-0.000 χ^2/NDF: 206183883263.5/44

All: -4.556+/-0.000 χ^2/NDF: 514610419934.

- 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: 8796945.4/19

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

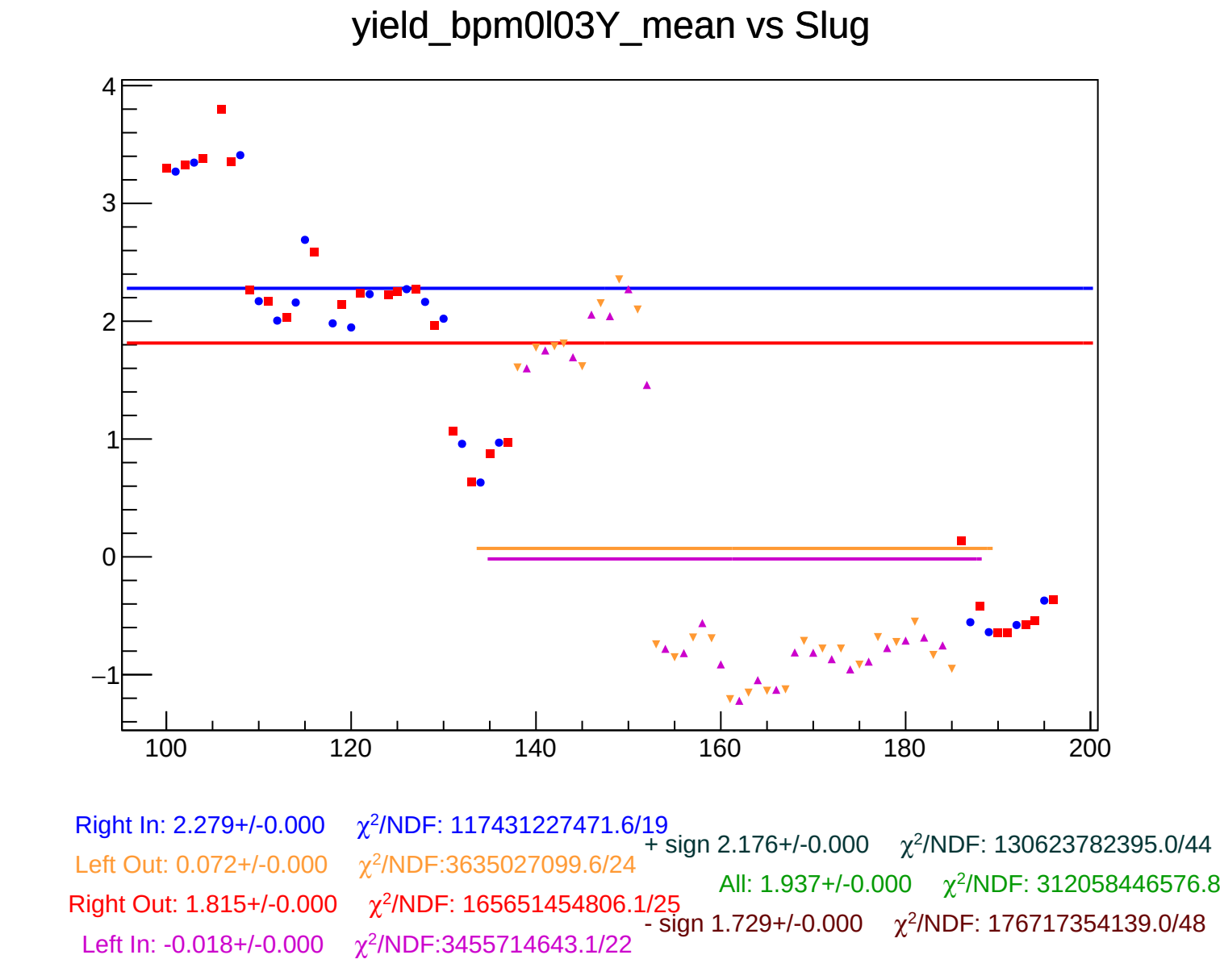
Right Out: 0.006+/-0.000 χ^2/NDF: 8911364.5/25

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

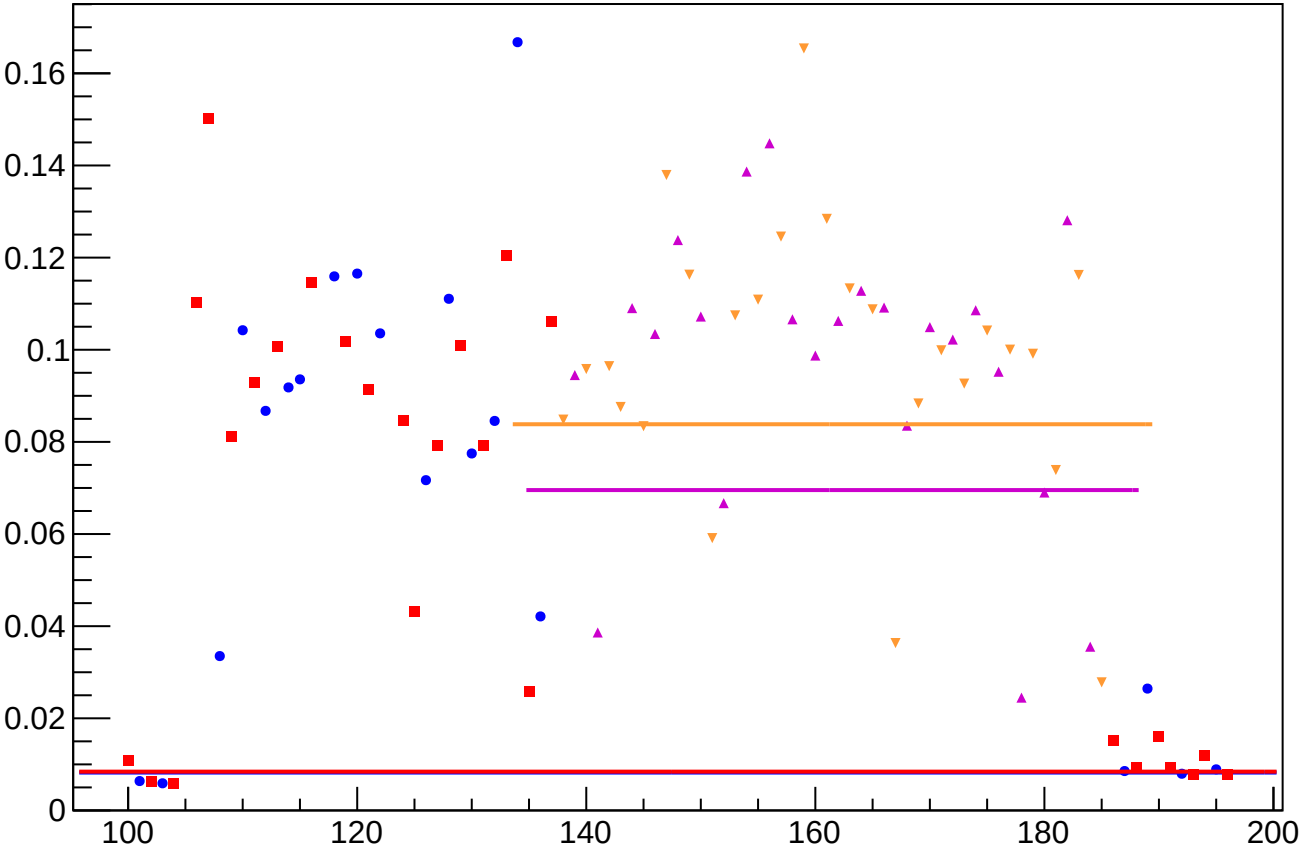
+ sign 0.008+/-0.000 χ^2/NDF: 36133448.4/44

All: 0.008+/-0.000 χ^2/NDF: 68614613.1/93

- 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: 2.279+/-0.000 χ²/NDF: 117431227471.6/19
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 2.176+/-0.000 χ²/NDF: 130623782395.0/44
All: 1.937+/-0.000 χ²/NDF: 312058446576.8
- sign 1.729+/-0.000 χ²/NDF: 176717354139.0/48

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8580937.7/19

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8720911.7/25

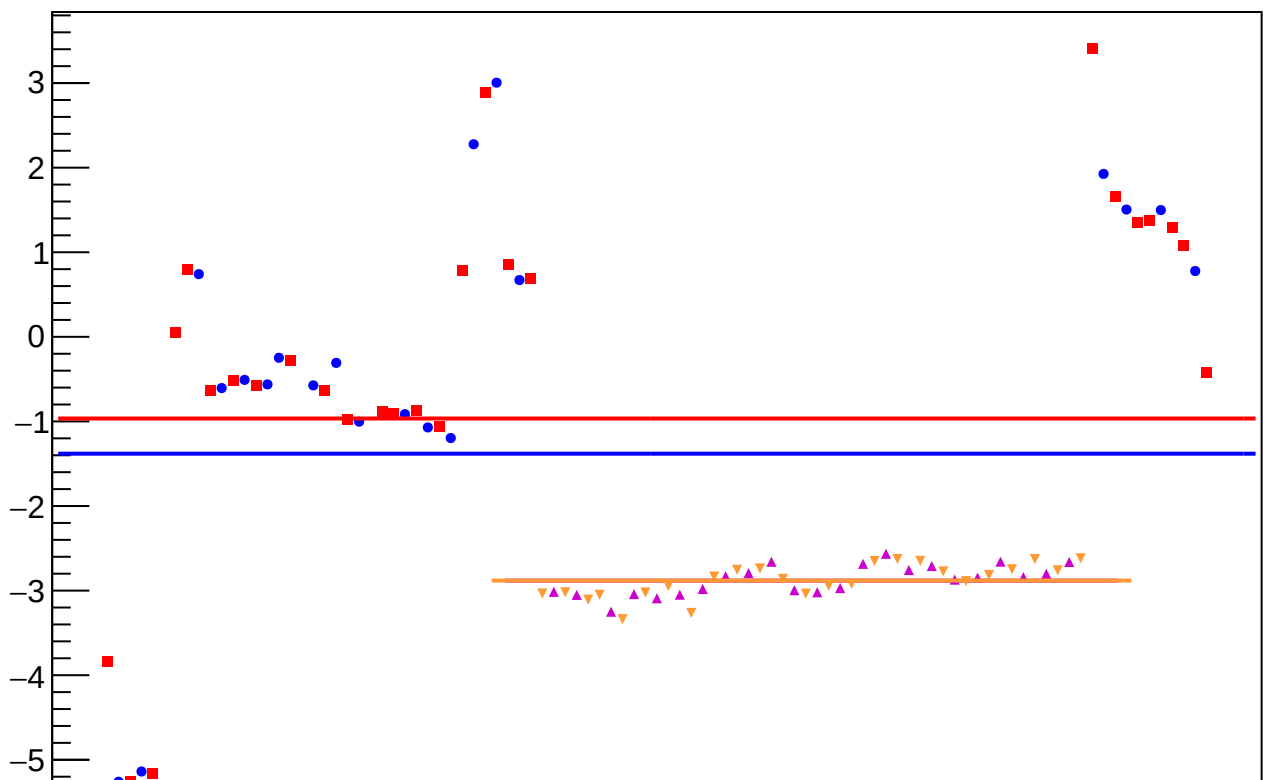
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 34831997.1/44

All: 0.012+/-0.000 χ^2/NDF: 67191694.2/93

- sign 0.011+/-0.000 χ^2/NDF: 32349360.0/48

yield_bpm0l04X_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF: 205849128938.0/19

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -0.965+/-0.000 χ^2/NDF: 229380734419.8/25

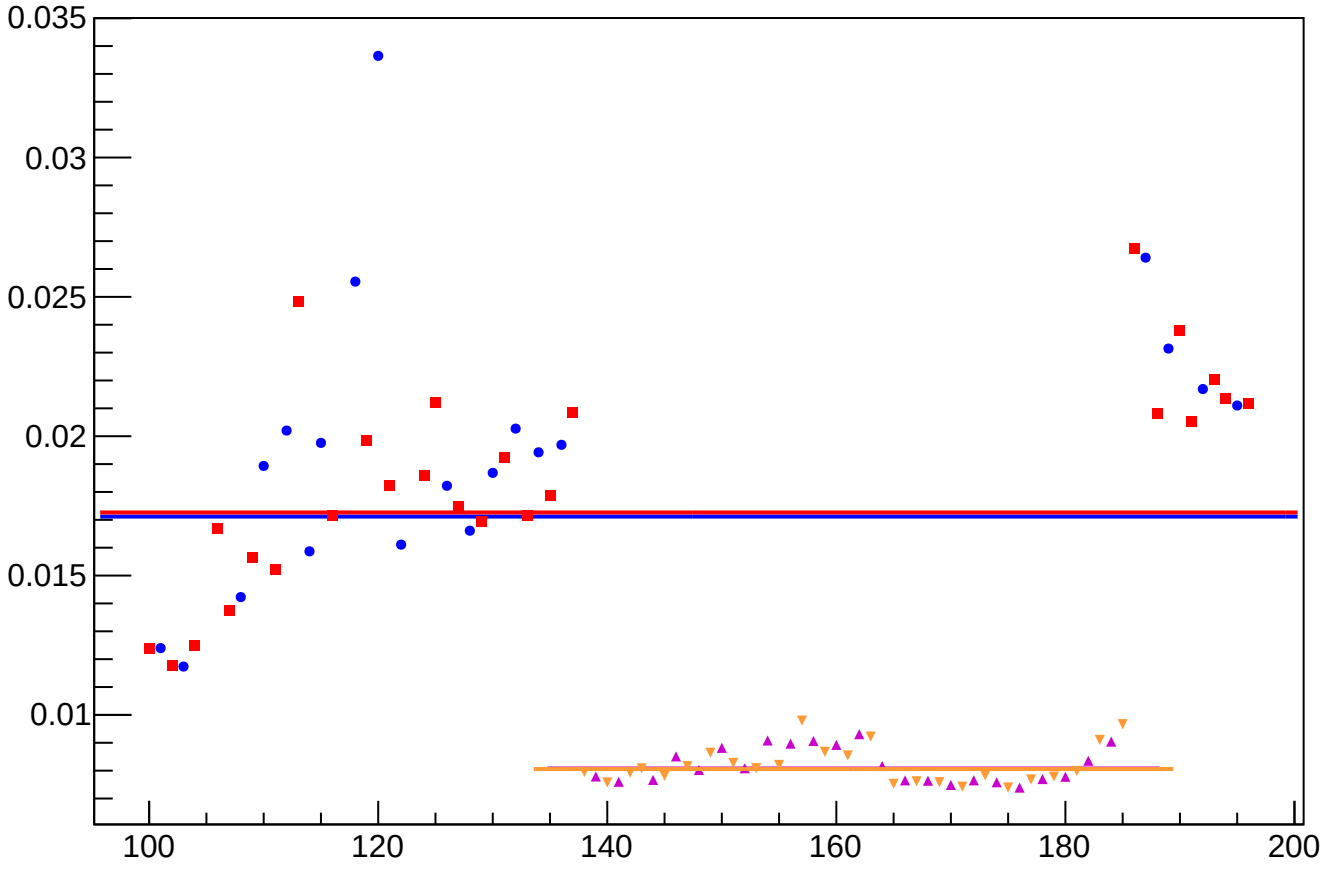
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.748+/-0.000 χ^2/NDF: 273259126753.8/44

All: -2.705+/-0.000 χ^2/NDF: 625681936183.4

- 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: 1042128.8/19

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

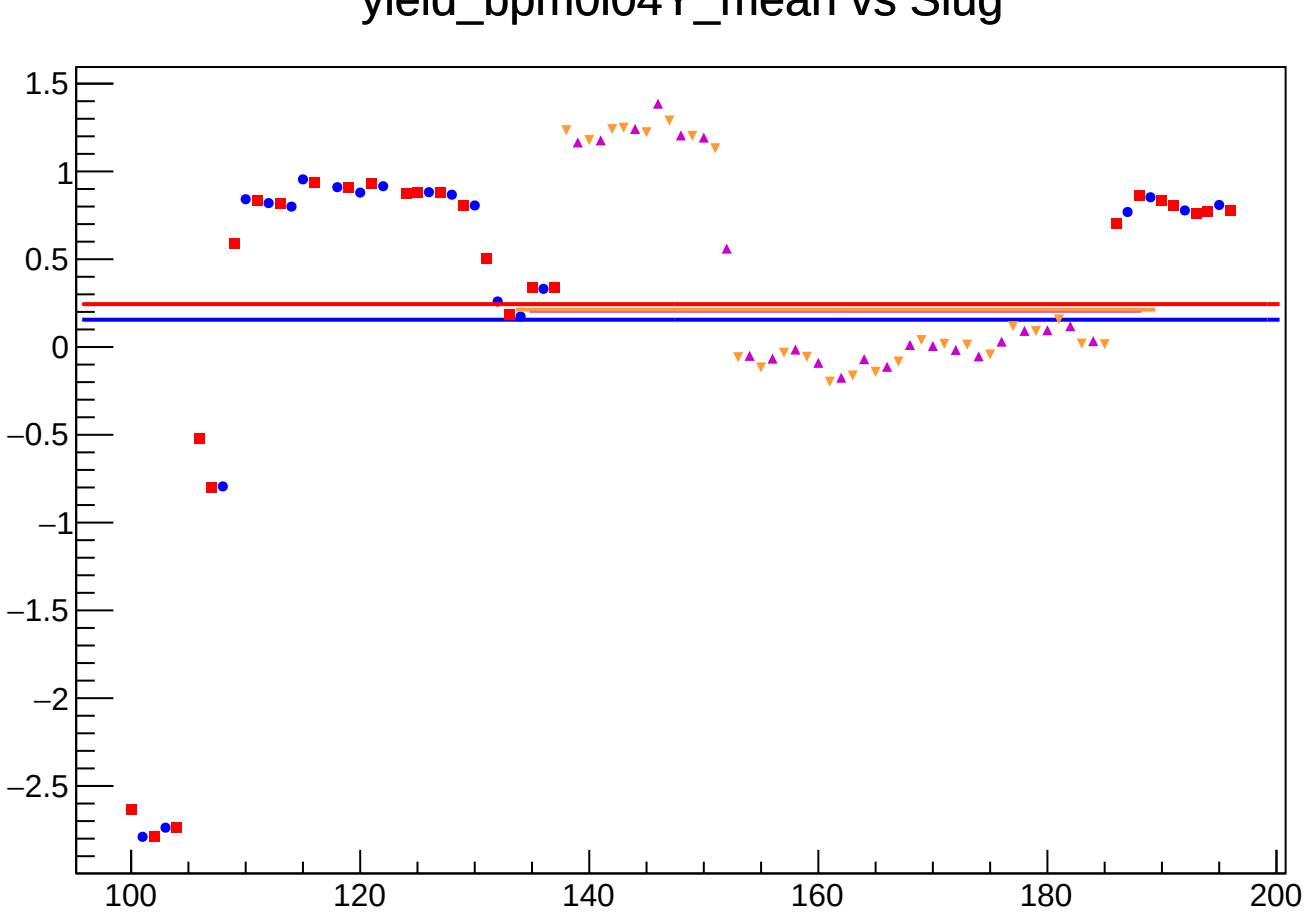
Right Out: 0.017+/-0.000 χ^2/NDF: 1025975.7/25

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 5375212.0/44

All: 0.009+/-0.000 χ^2/NDF: 11823179.8/93

- sign 0.009+/-0.000 χ^2/NDF: 6424840.1/48



Right In: 0.155+/-0.000 χ^2/NDF: 902090353226.2/19

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

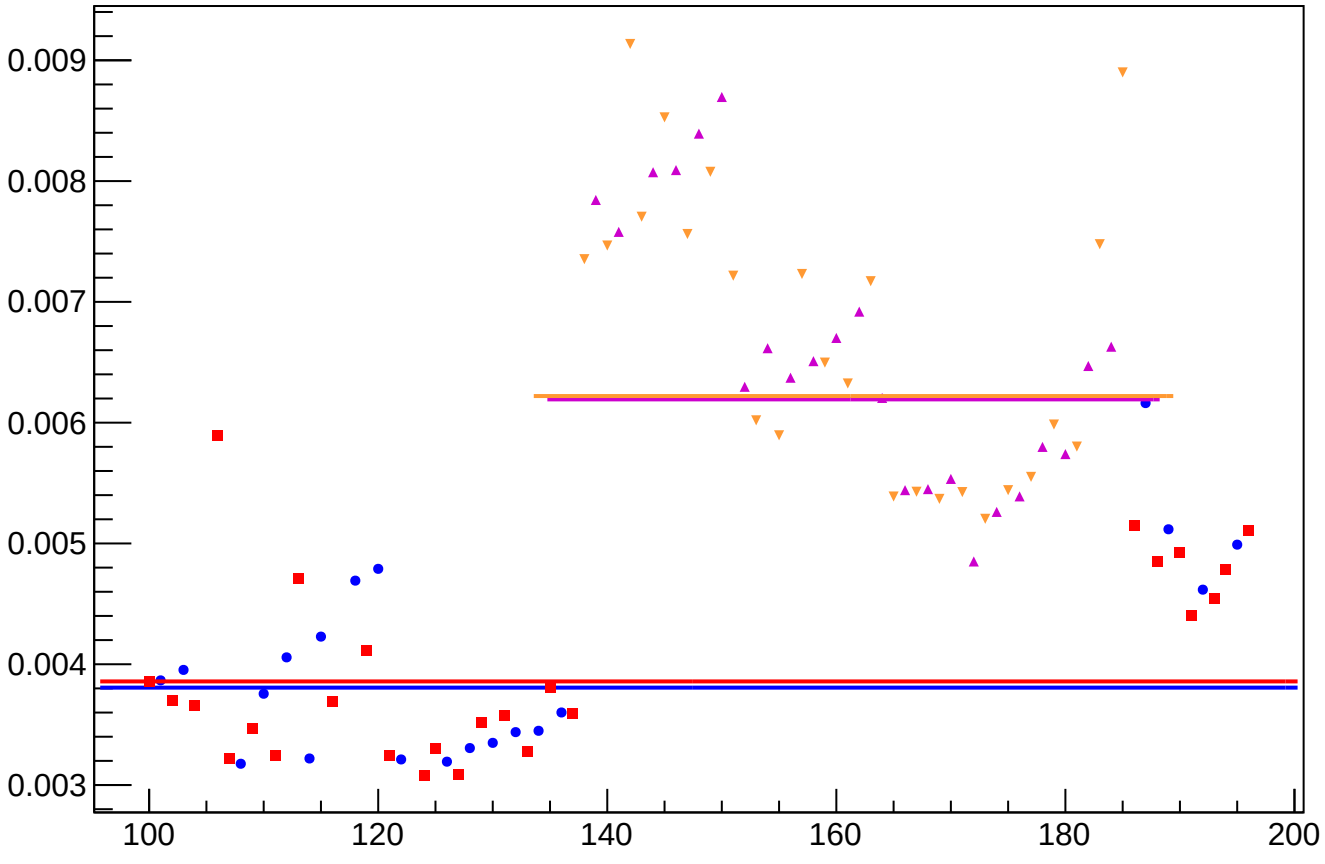
Right Out: 0.244+/-0.000 χ^2/NDF: 1008512256513.6/25

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 1005745226227.8/44

All: 0.206+/-0.000 χ^2/NDF: 2103233527249.

- sign 0.231+/-0.000 χ^2/NDF: 1095982980656.6/48



Right In: 0.004+/-0.000 χ^2/NDF: 494077.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

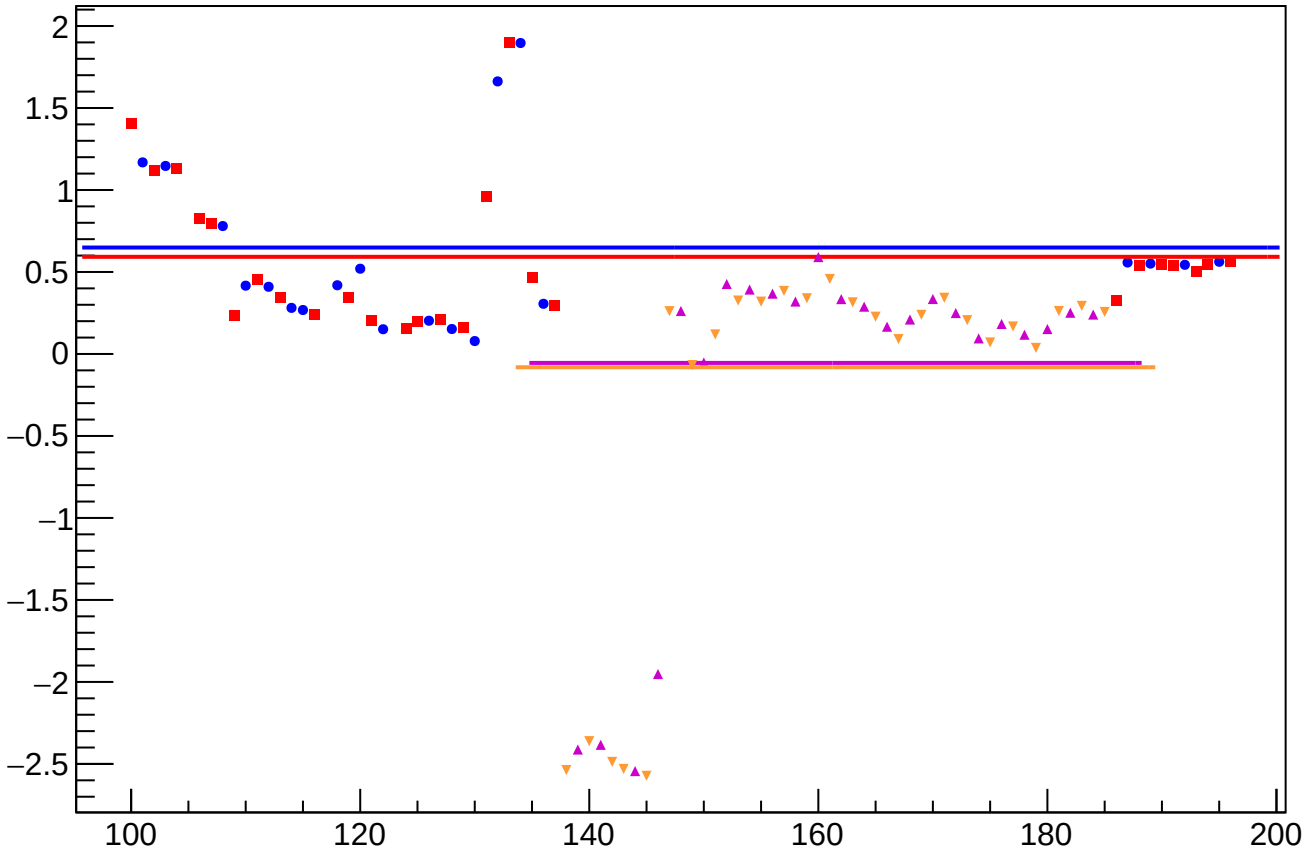
Right Out: 0.004+/-0.000 χ^2/NDF: 691286.6/25

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4271759.9/44

All: 0.005+/-0.000 χ^2/NDF: 8685492.4/93

- sign 0.005+/-0.000 χ^2/NDF: 4402376.2/48



Right In: 0.649+/-0.000 χ^2/NDF: 41667895765.0/19

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.592+/-0.000 χ^2/NDF: 43318306387.9/25

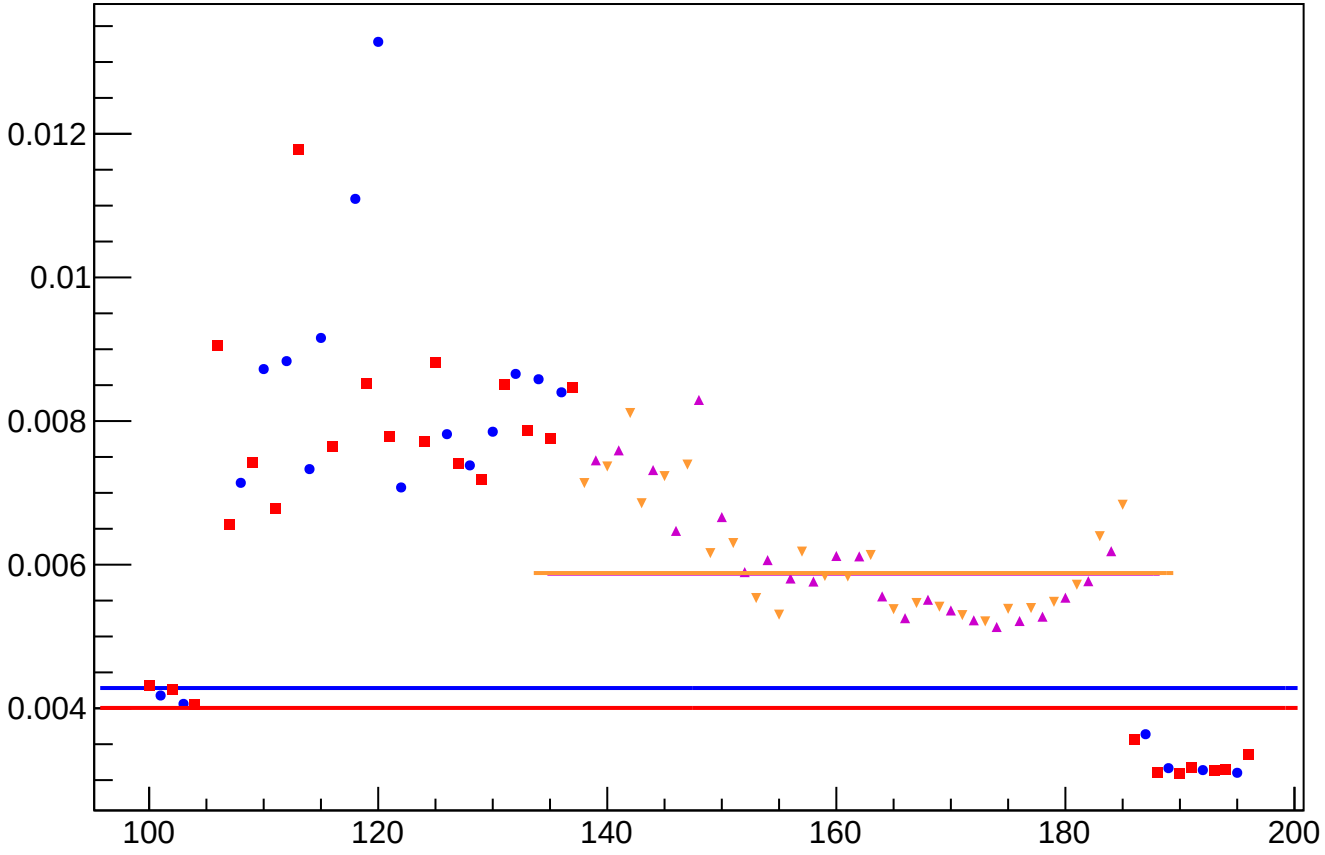
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.237+/-0.000 χ^2/NDF: 547733642730.1/44

All: 0.270+/-0.000 χ^2/NDF: 1050496076198.

- 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: 3123041.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3252760.5/25

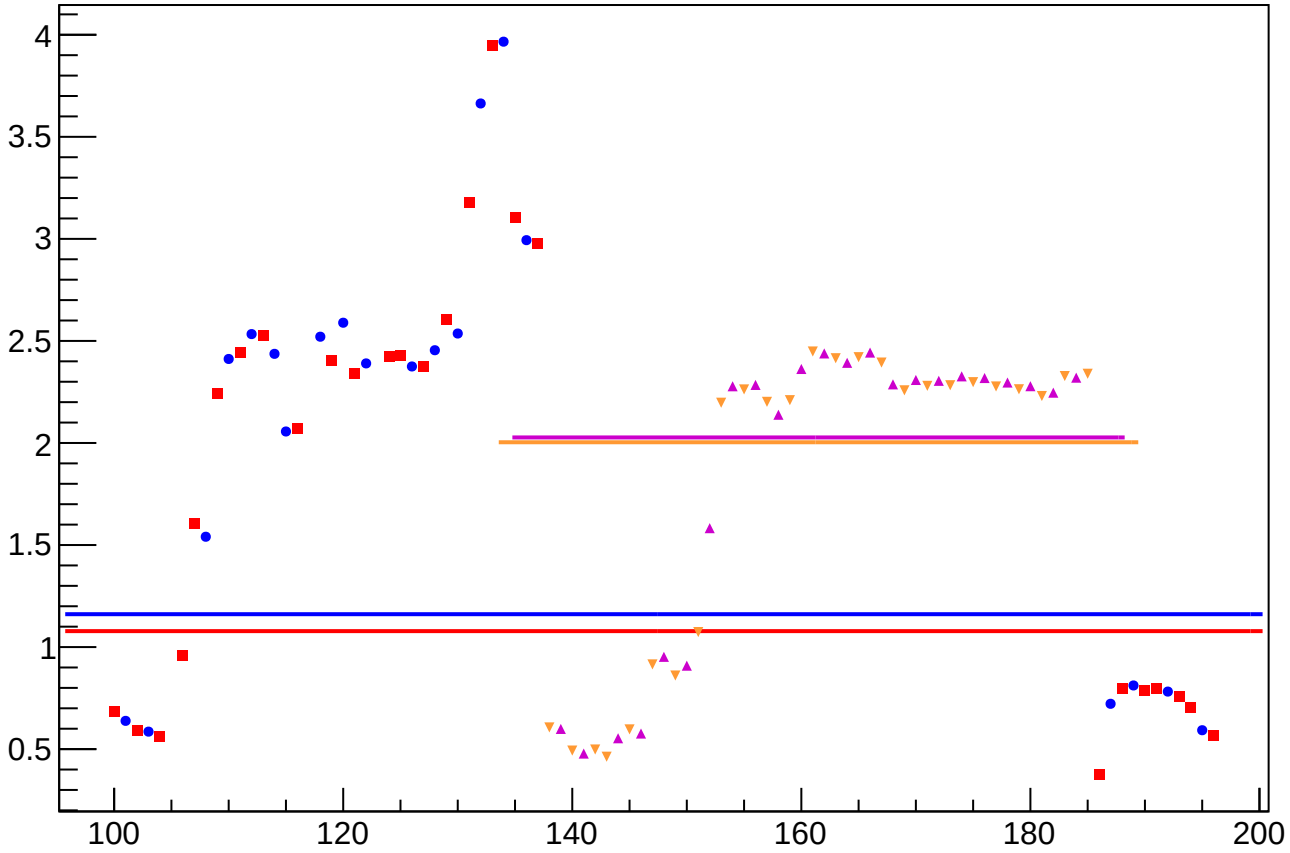
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4712997.2/44

All: 0.005+/-0.000 χ^2/NDF: 10440076.6/93

- sign 0.005+/-0.000 χ^2/NDF: 5621137.6/48

yield_bpm0l05Y_mean vs Slug



Right In: 1.161+/-0.000 χ^2/NDF: 201988092847.3/19

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.078+/-0.000 χ^2/NDF: 242152333651.4/25

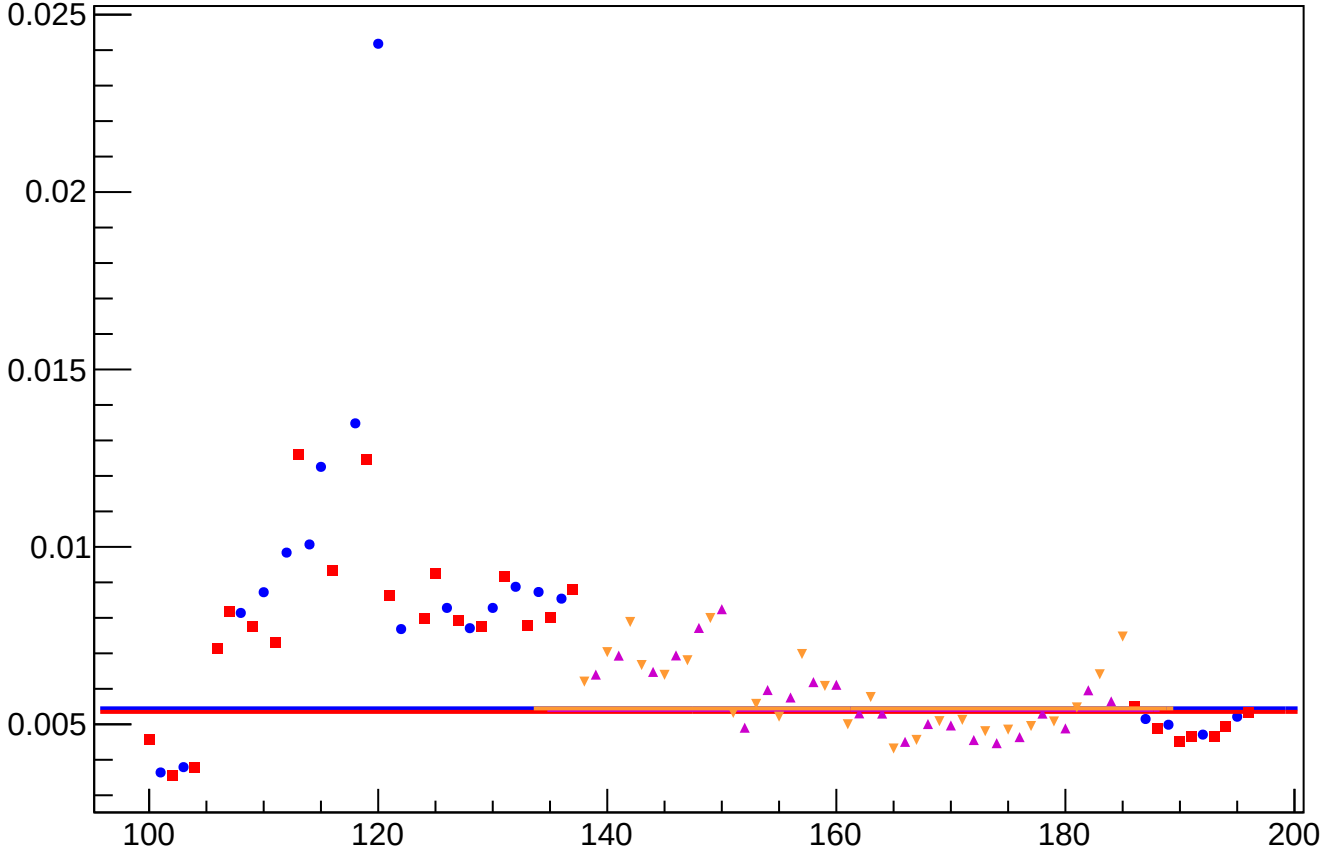
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.741+/-0.000 χ^2/NDF: 543019487168.7/44

All: 1.698+/-0.000 χ^2/NDF: 1168578269712.

- 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: 2305674.1/19

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124028.2/25

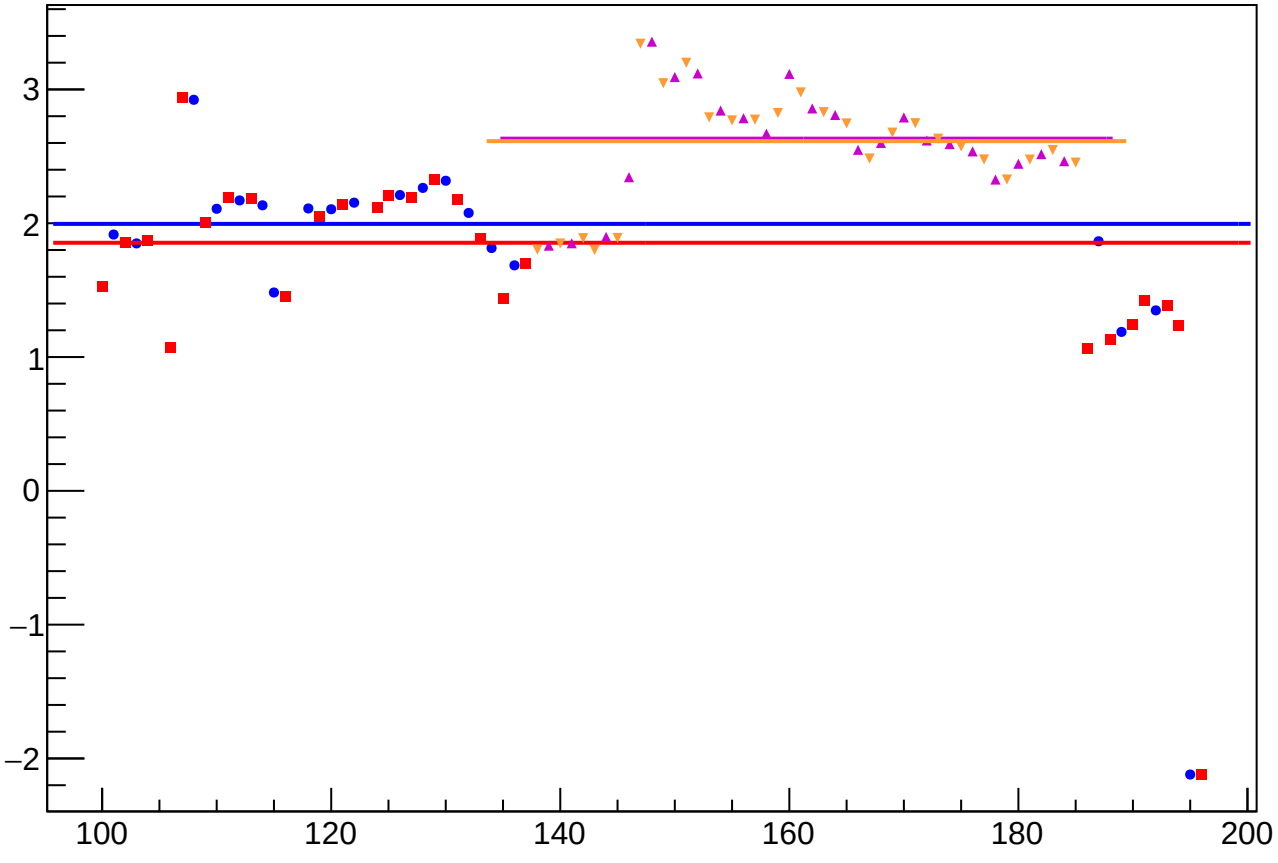
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3077091.9/44

All: 0.005+/-0.000 χ^2/NDF: 6021070.6/93

- sign 0.005+/-0.000 χ^2/NDF: 2940397.8/48

yield_bpm0l06X_mean vs Slug



Right In: 1.995+/-0.000 χ^2/NDF: 42498662674.3/19

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.854+/-0.000 χ^2/NDF: 53891578599.1/25

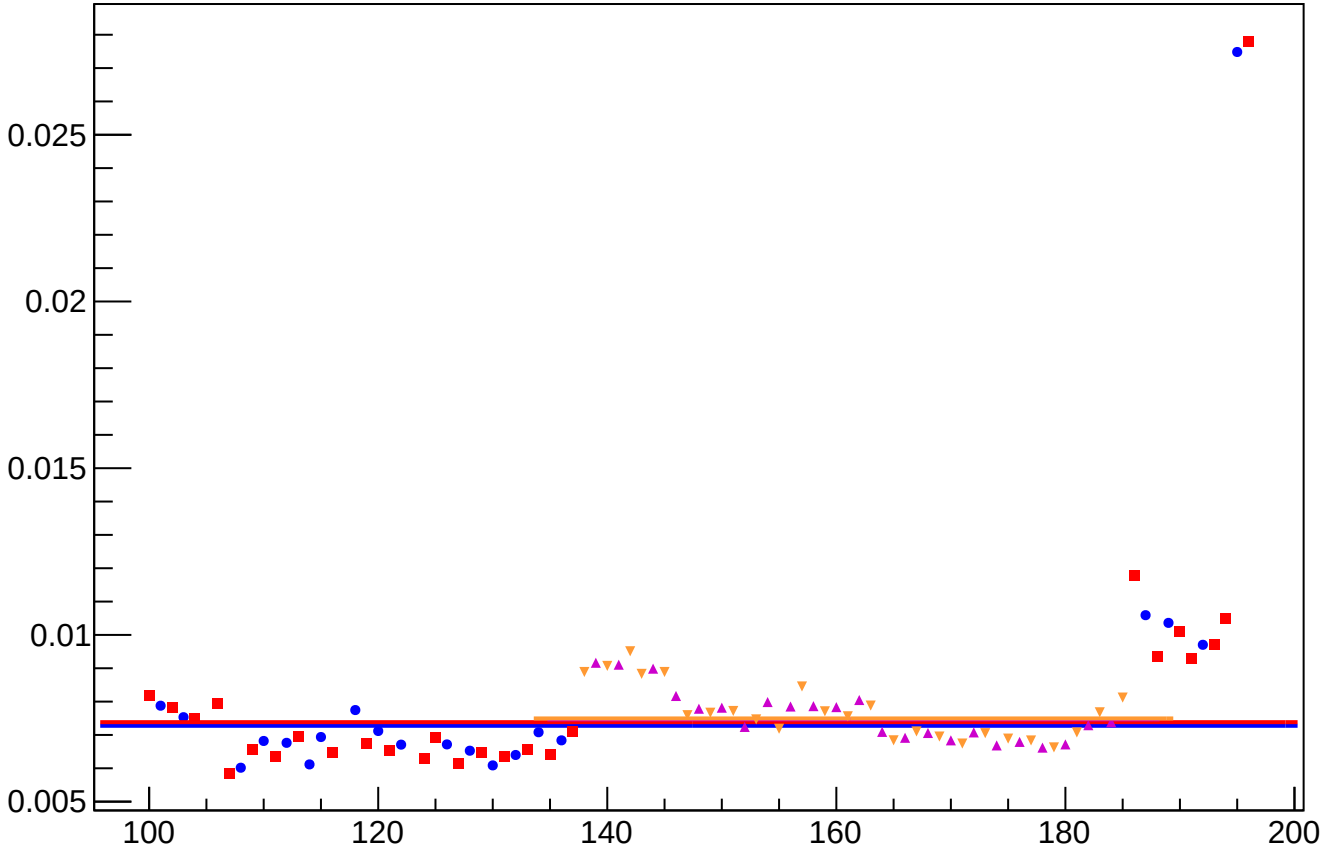
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.405+/-0.000 χ^2/NDF: 130565880884.0/44

All: 2.368+/-0.000 χ^2/NDF: 298890447245.7

- 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: 1338509.8/19

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1602940.0/25

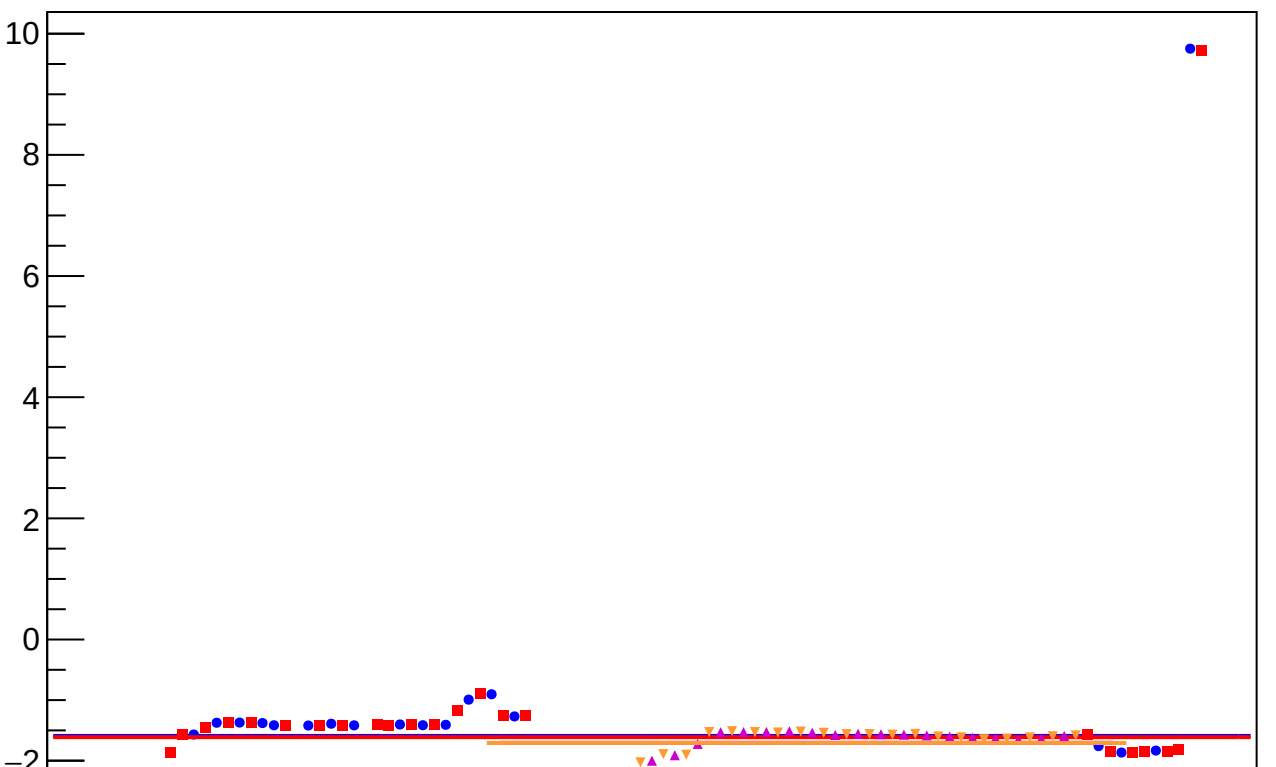
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 1681761.4/44

All: 0.007+/-0.000 χ^2/NDF: 3608414.3/93

- sign 0.007+/-0.000 χ^2/NDF: 1926549.2/48

yield_bpm0l06Y_mean vs Slug



Right In: -1.592+/-0.000 χ^2/NDF: 215776927862.2/19

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.612+/-0.000 χ^2/NDF: 222471632964.0/25

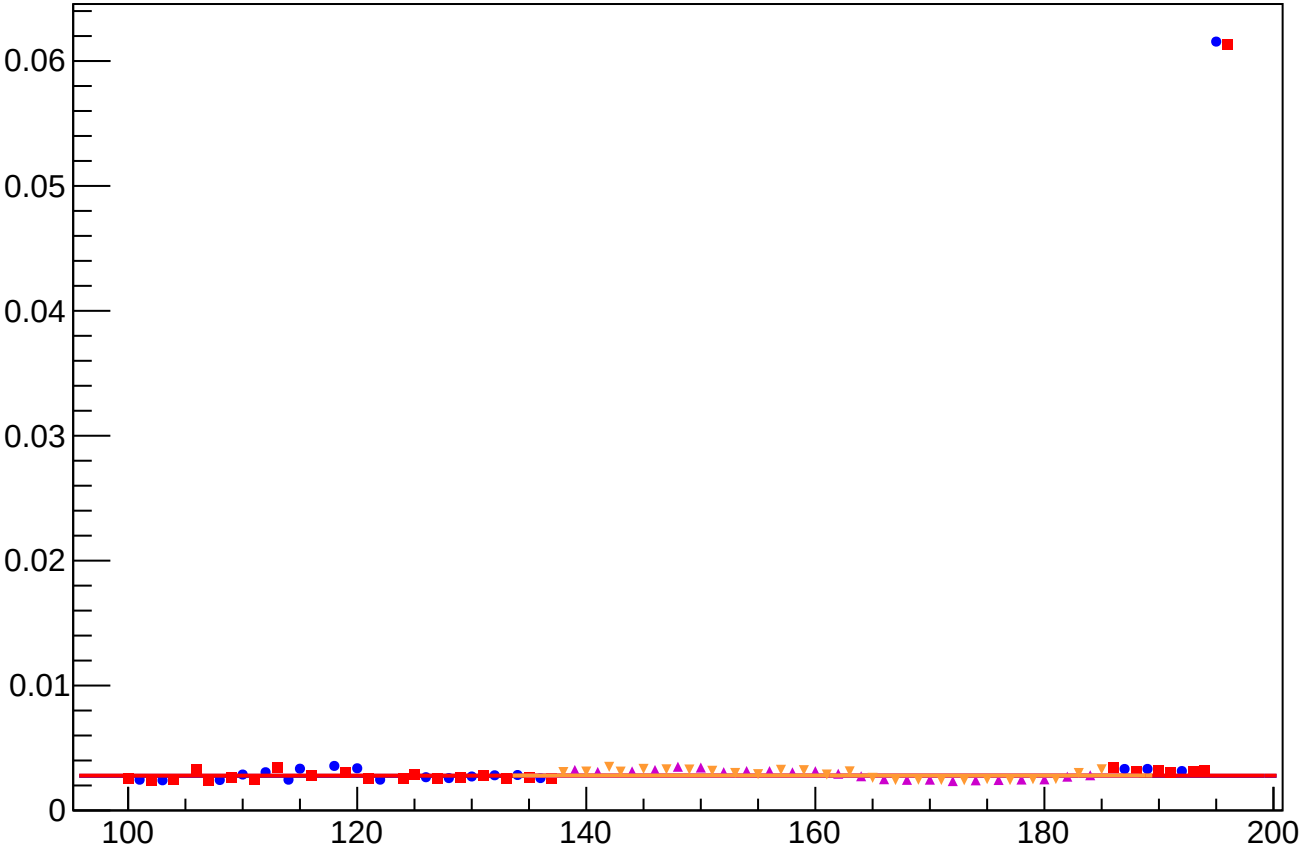
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.670+/-0.000 χ^2/NDF: 377557017546.3/44

All: -1.670+/-0.000 χ^2/NDF: 743799566622.6

- 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: 1839183.5/19

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 1748808.7/25

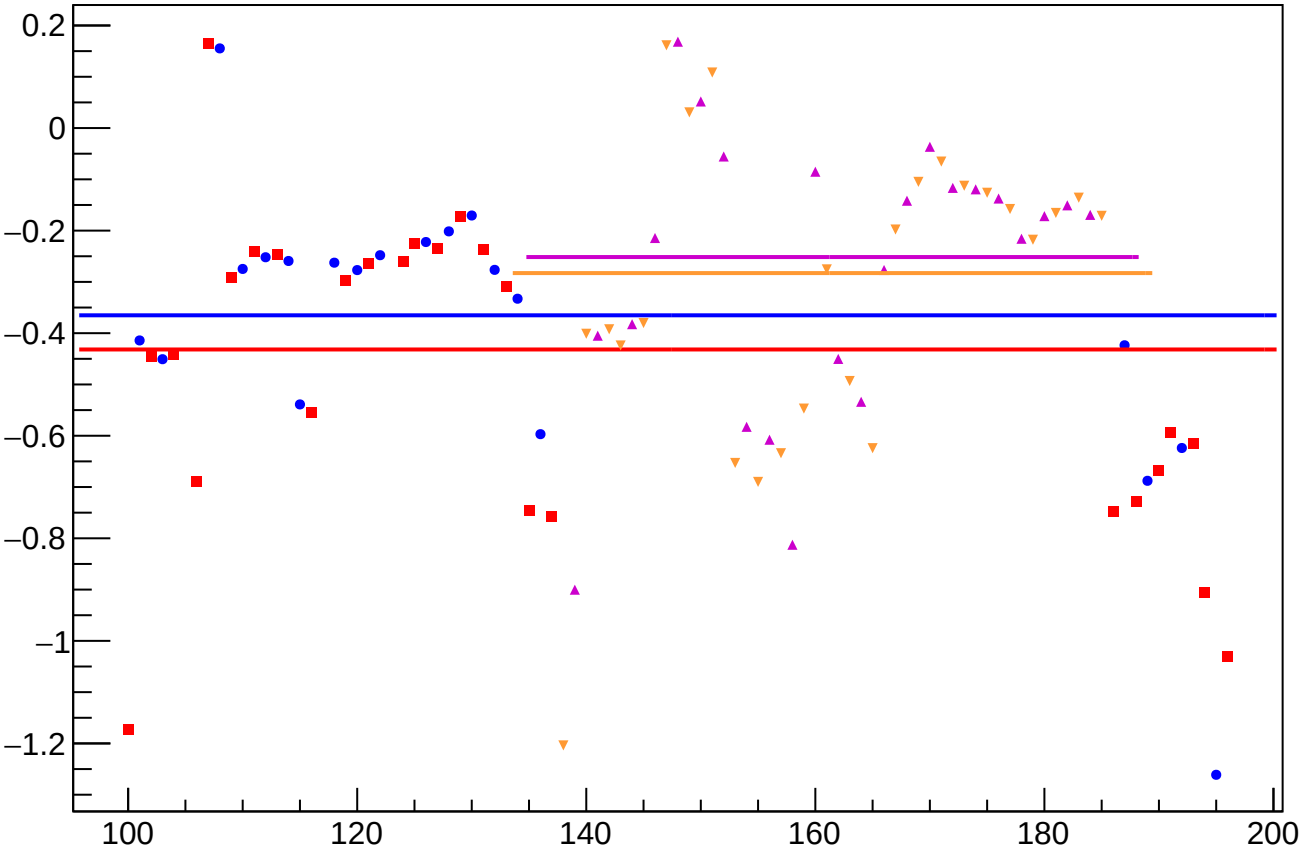
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 2388081.2/44

All: 0.003+/-0.000 χ^2/NDF: 4694047.1/93

- sign 0.003+/-0.000 χ^2/NDF: 2305956.6/48

yield_bpm0l07X_mean vs Slug



Right In: -0.365+/-0.000 χ^2/NDF: 4594222867.6/19

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.432+/-0.000 χ^2/NDF: 5312001894.3/25

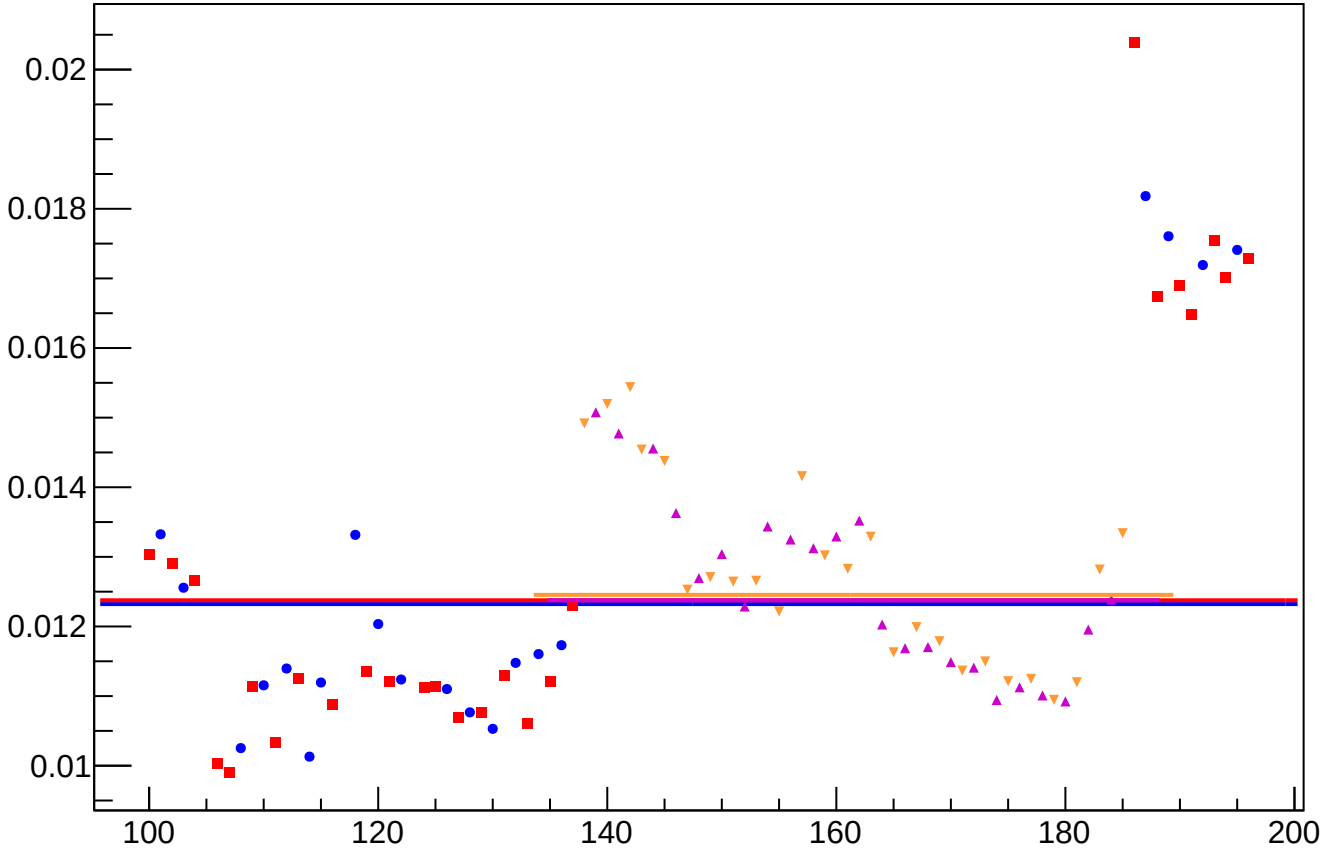
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.311+/-0.000 χ^2/NDF: 14208138525.1/44

All: -0.317+/-0.000 χ^2/NDF: 28140214924.5/

- sign -0.322+/-0.000 χ^2/NDF: 13919876188.4/48

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 580300.3/19

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 964860.2/25

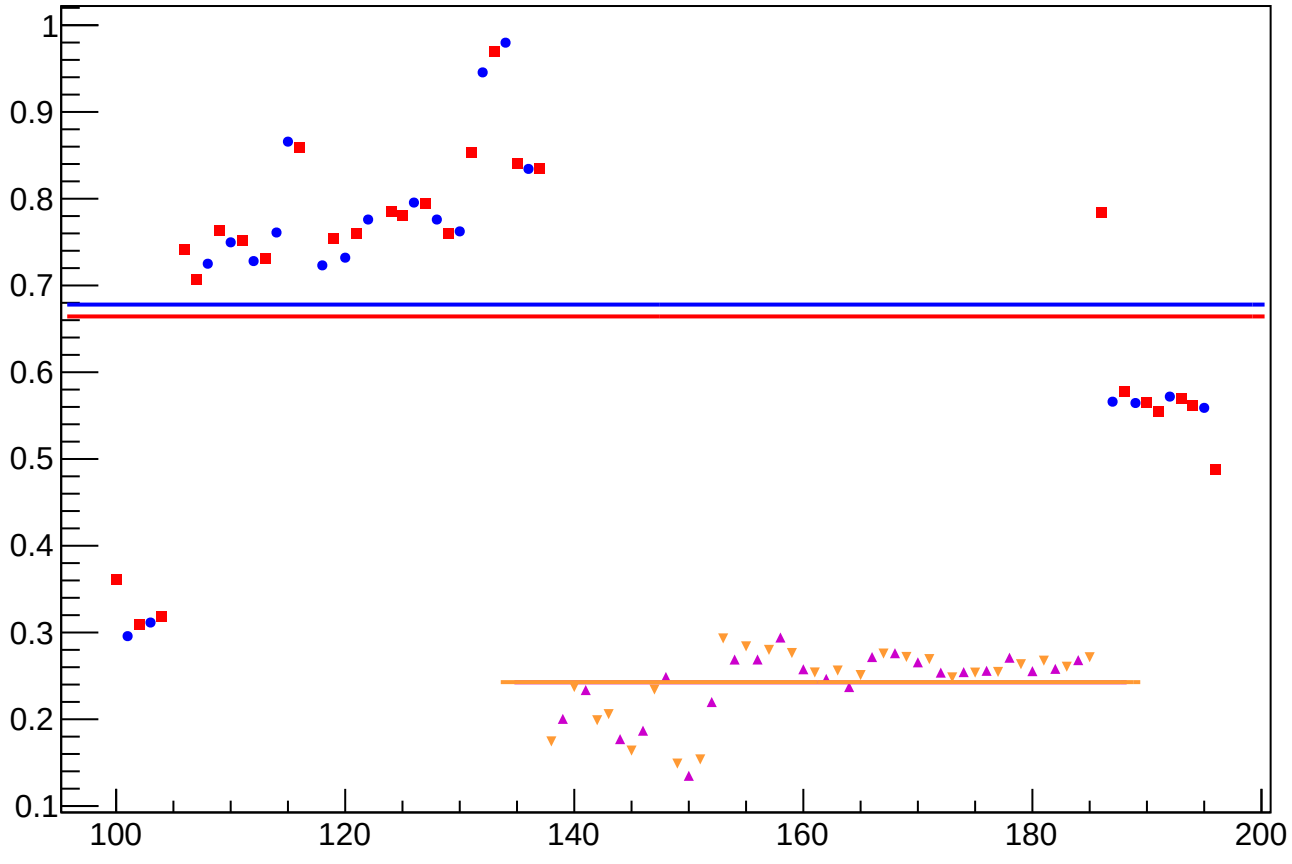
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 923133.2/44

All: 0.012+/-0.000 χ^2/NDF: 2215108.3/93

- sign 0.012+/-0.000 χ^2/NDF: 1291786.1/48

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF: 54036125747.4/19

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

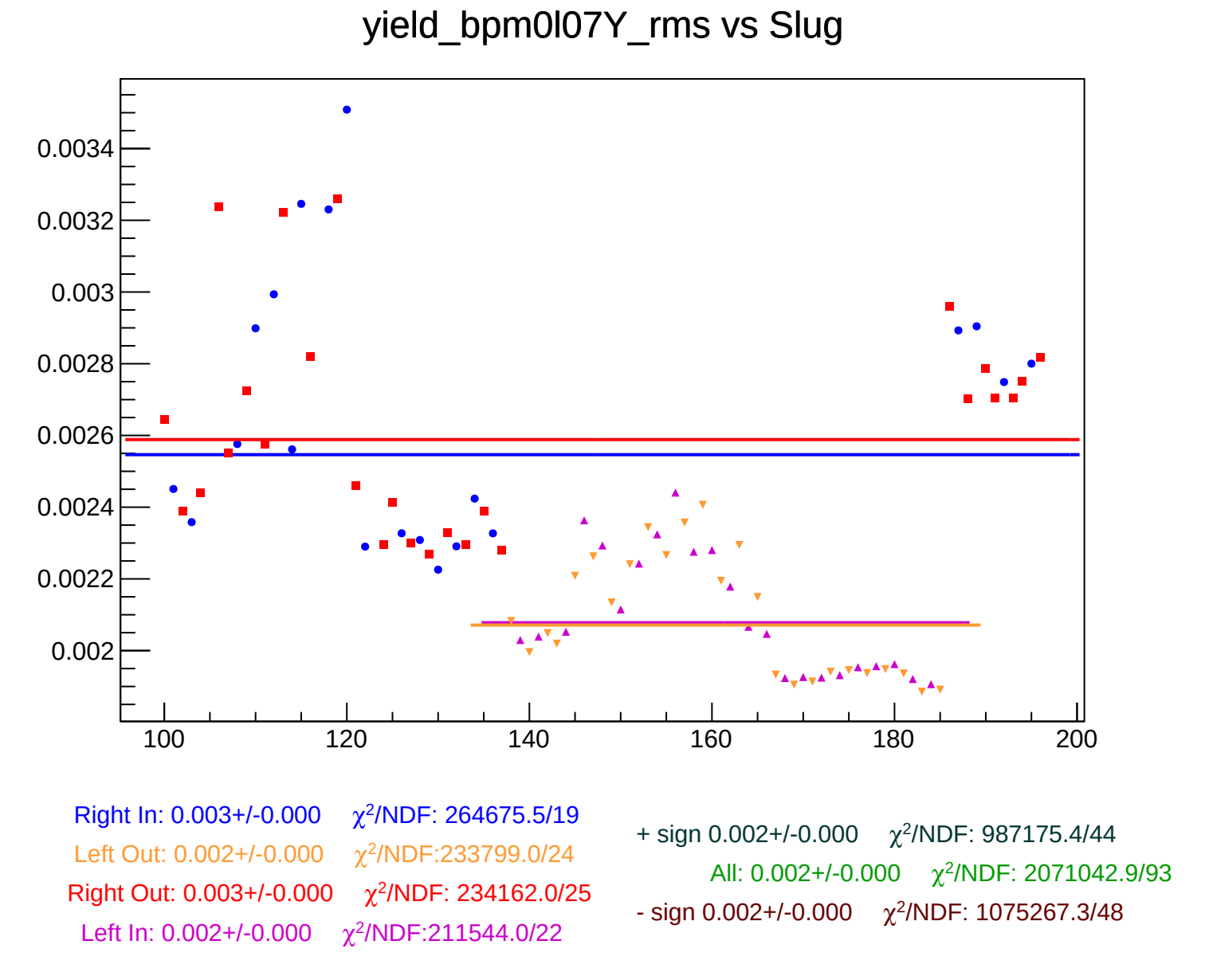
Right Out: 0.664+/-0.000 χ^2/NDF: 54435884727.3/25

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

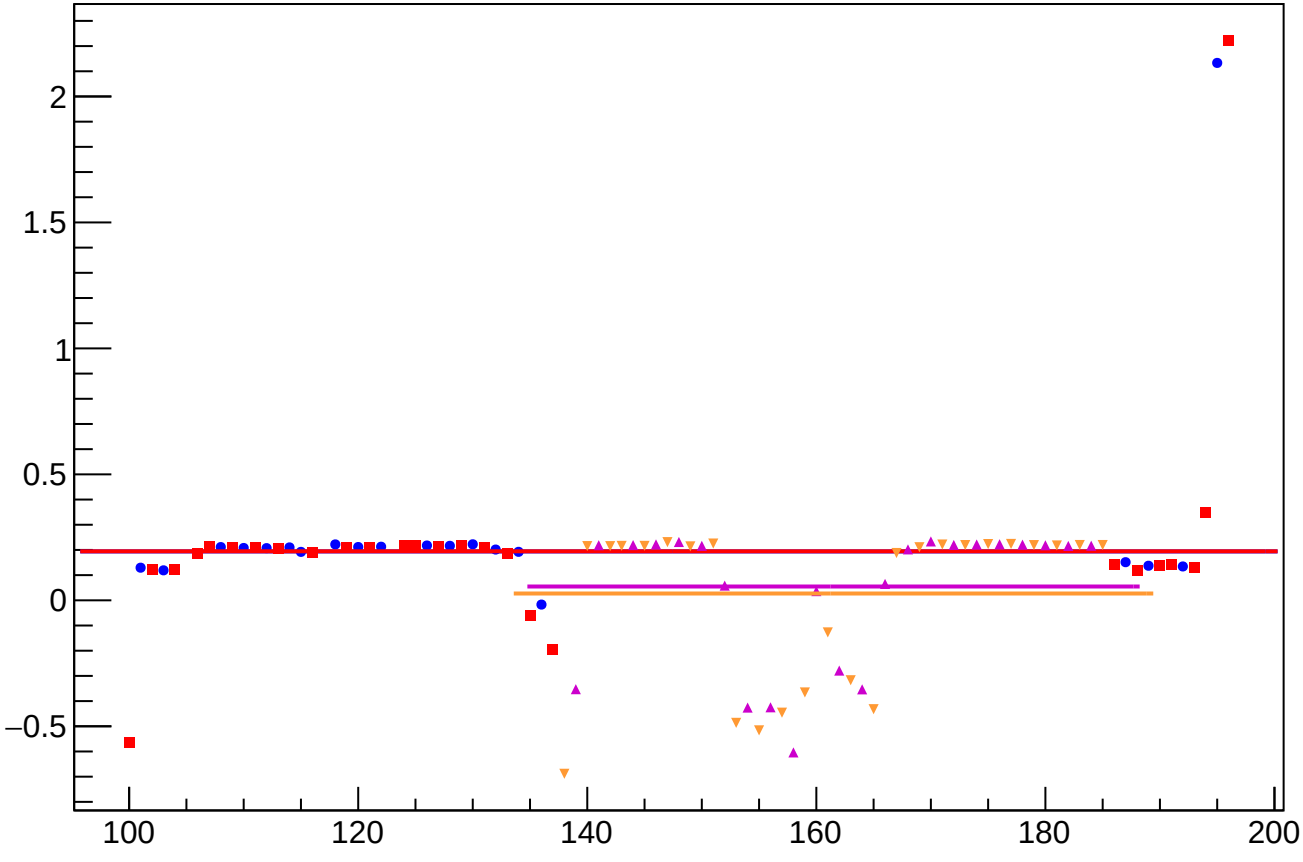
+ sign 0.349+/-0.000 χ^2/NDF: 266237996284.5/44

All: 0.356+/-0.000 χ^2/NDF: 541869851384.6

- sign 0.364+/-0.000 χ^2/NDF: 274927517036.5/48


yield_bpm0l07Y_rms vs Slug
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 264675.5/19
Left Out: 0.002+/-0.000 χ²/NDF:233799.0/24
Right Out: 0.003+/-0.000 χ²/NDF: 234162.0/25
Left In: 0.002+/-0.000 χ²/NDF:211544.0/22
+ sign 0.002+/-0.000 χ²/NDF: 987175.4/44
All: 0.002+/-0.000 χ²/NDF: 2071042.9/93
- sign 0.002+/-0.000 χ²/NDF: 1075267.3/48

yield_bpm0l08X_mean vs Slug



Right In: 0.194+/-0.000 χ^2/NDF: 3913340146.4/19

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6017950672.6/25

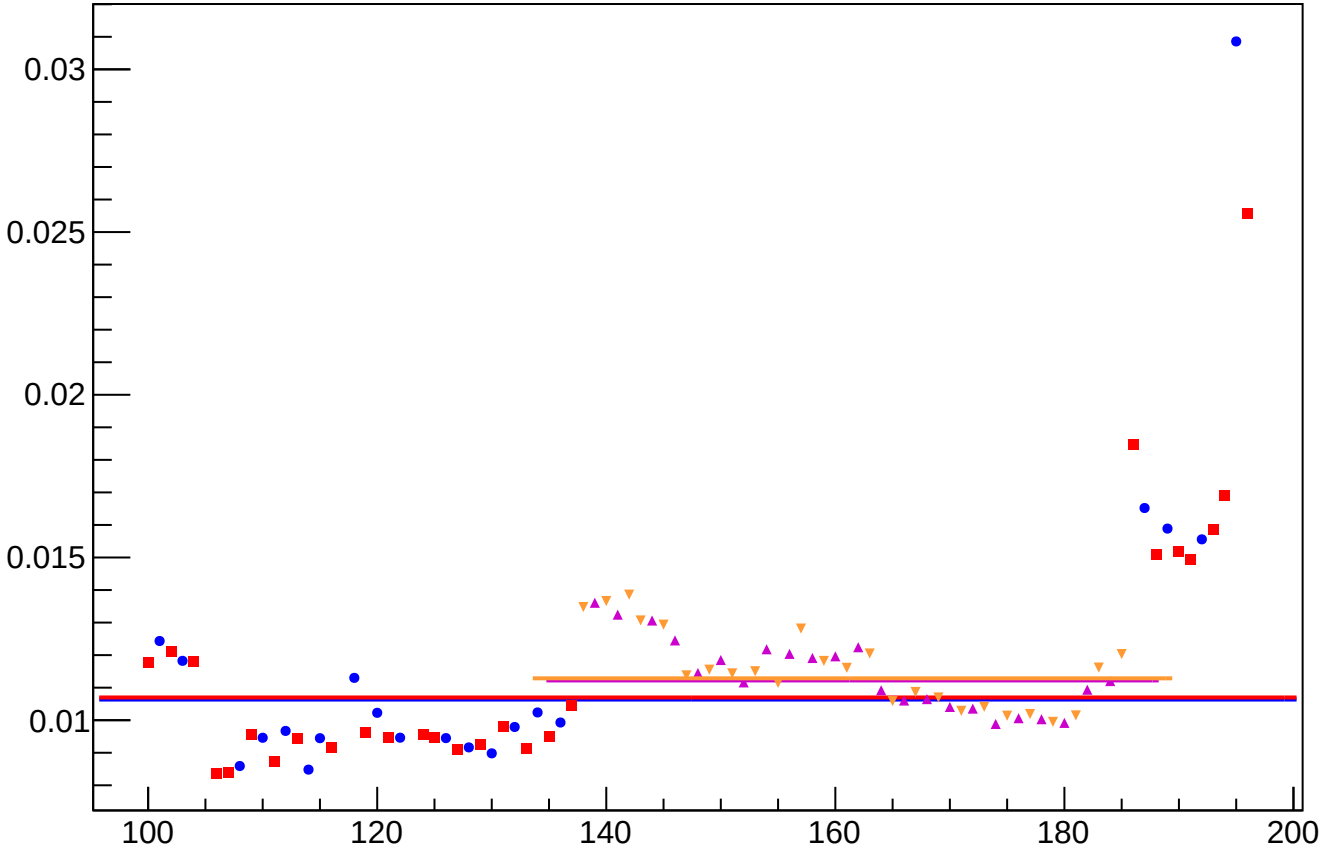
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.086+/-0.000 χ^2/NDF: 18295723734.0/44

All: 0.099+/-0.000 χ^2/NDF: 35182384142.2/9

- 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: 1328876.4/19

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

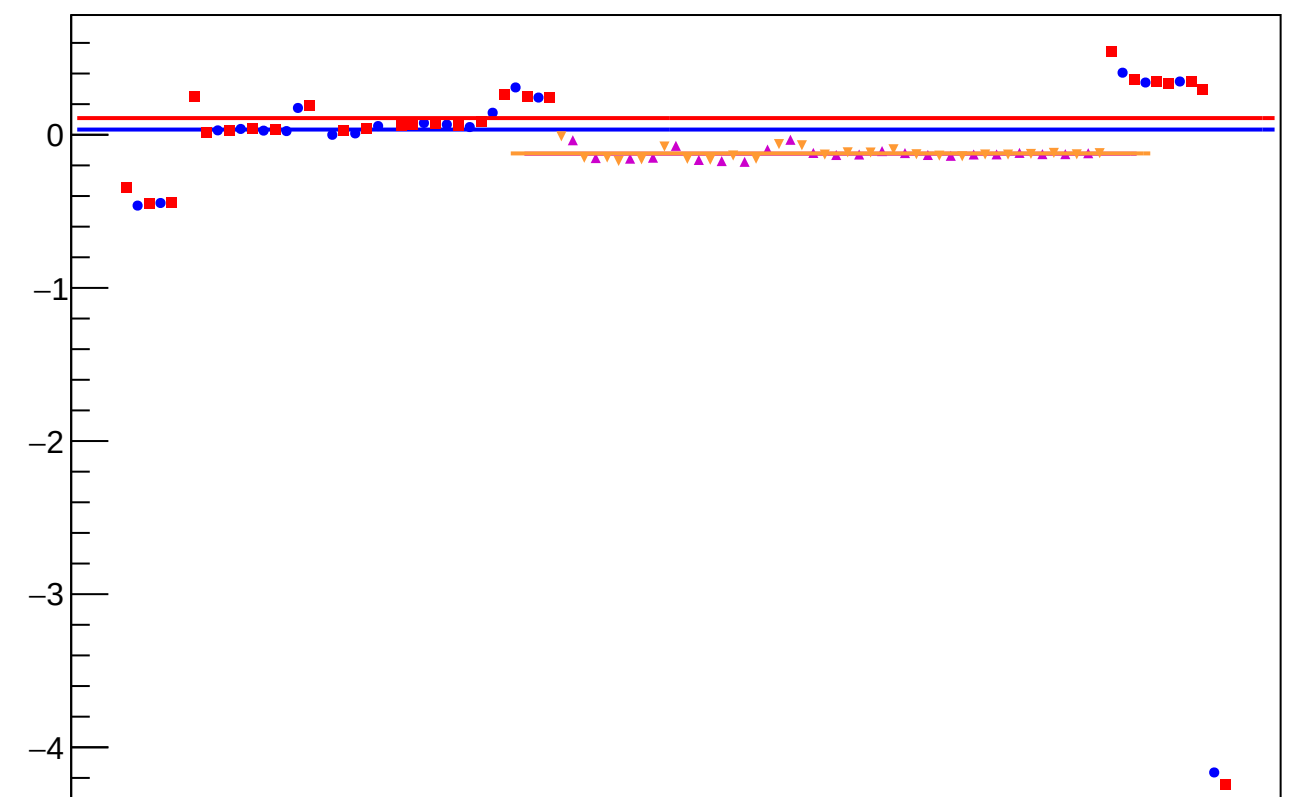
Right Out: 0.011+/-0.000 χ^2/NDF: 1653843.0/25

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 1699990.4/44

All: 0.011+/-0.000 χ^2/NDF: 3700198.9/93

- sign 0.011+/-0.000 χ^2/NDF: 1999701.7/48



Right In: 0.034+/-0.000 χ^2/NDF: 60485904202.6/19

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.109+/-0.000 χ^2/NDF: 78208640133.2/25

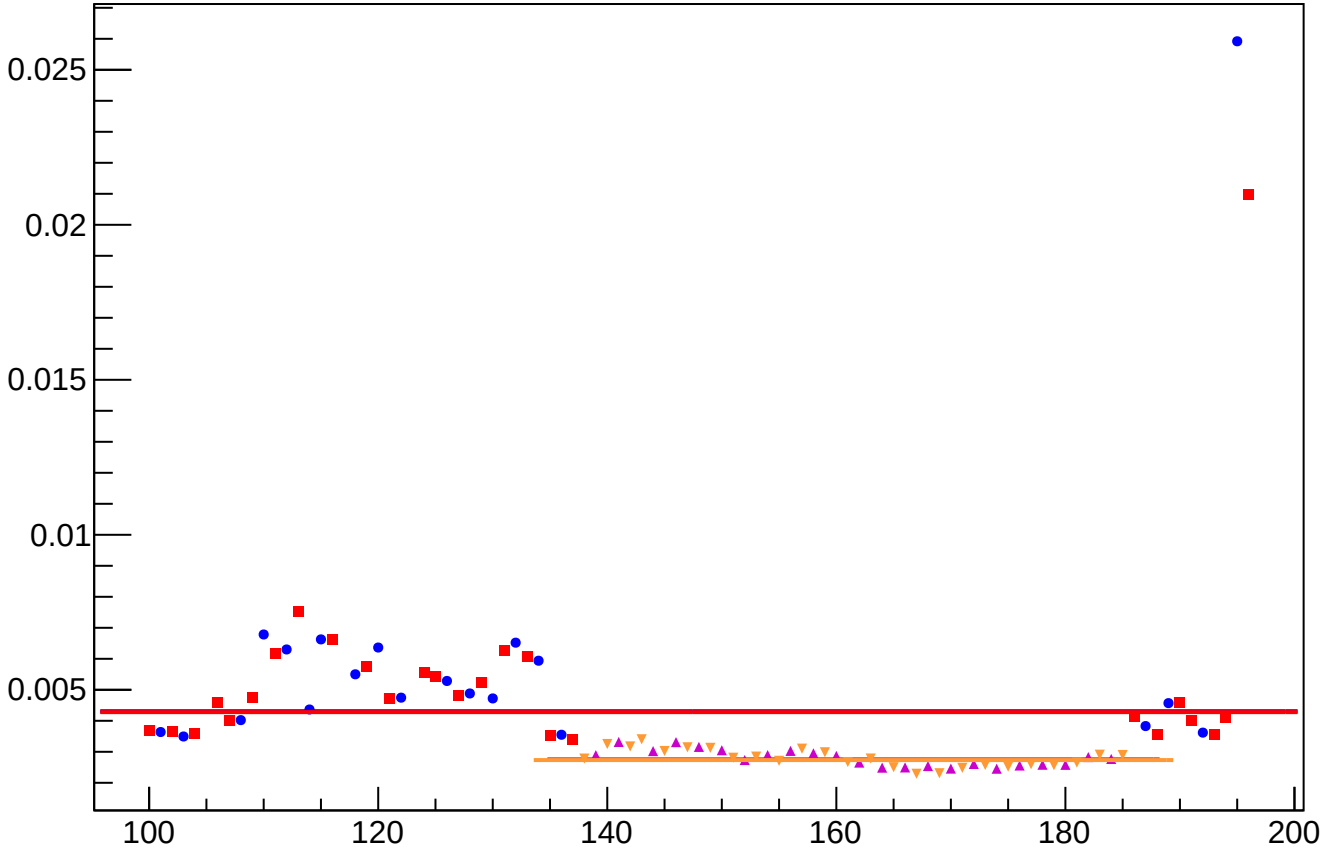
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.099+/-0.000 χ^2/NDF: 72250886975.9/44

All: -0.089+/-0.000 χ^2/NDF: 177445987206.

- 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: 1958329.0/19

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1868066.8/25

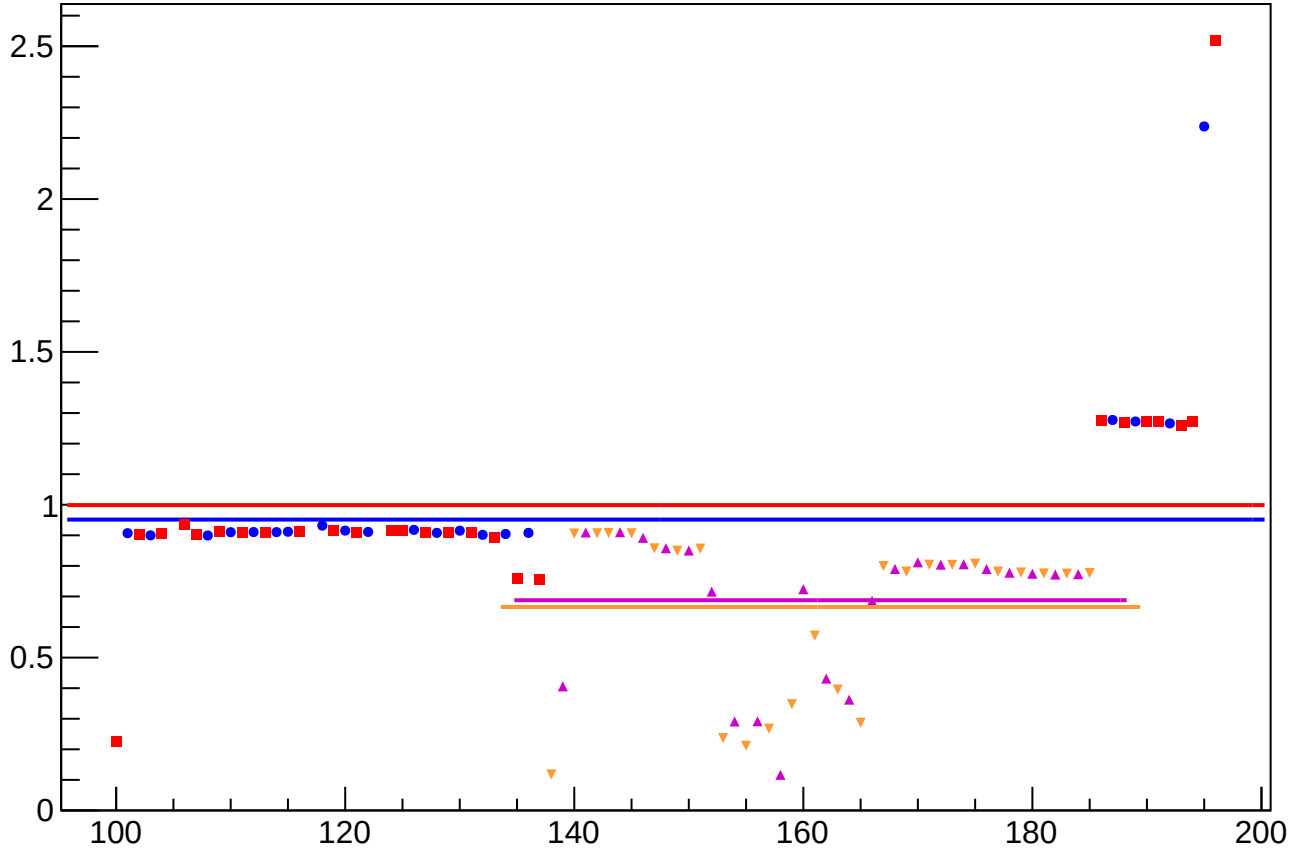
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 4158653.2/44

All: 0.003+/-0.000 χ^2/NDF: 8366335.7/93

- sign 0.003+/-0.000 χ^2/NDF: 4189001.8/48

yield_bpm0l09X_mean vs Slug



Right In: 0.952+/-0.000 χ^2/NDF: 883323620.2/19

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.999+/-0.000 χ^2/NDF: 6299773979.0/25

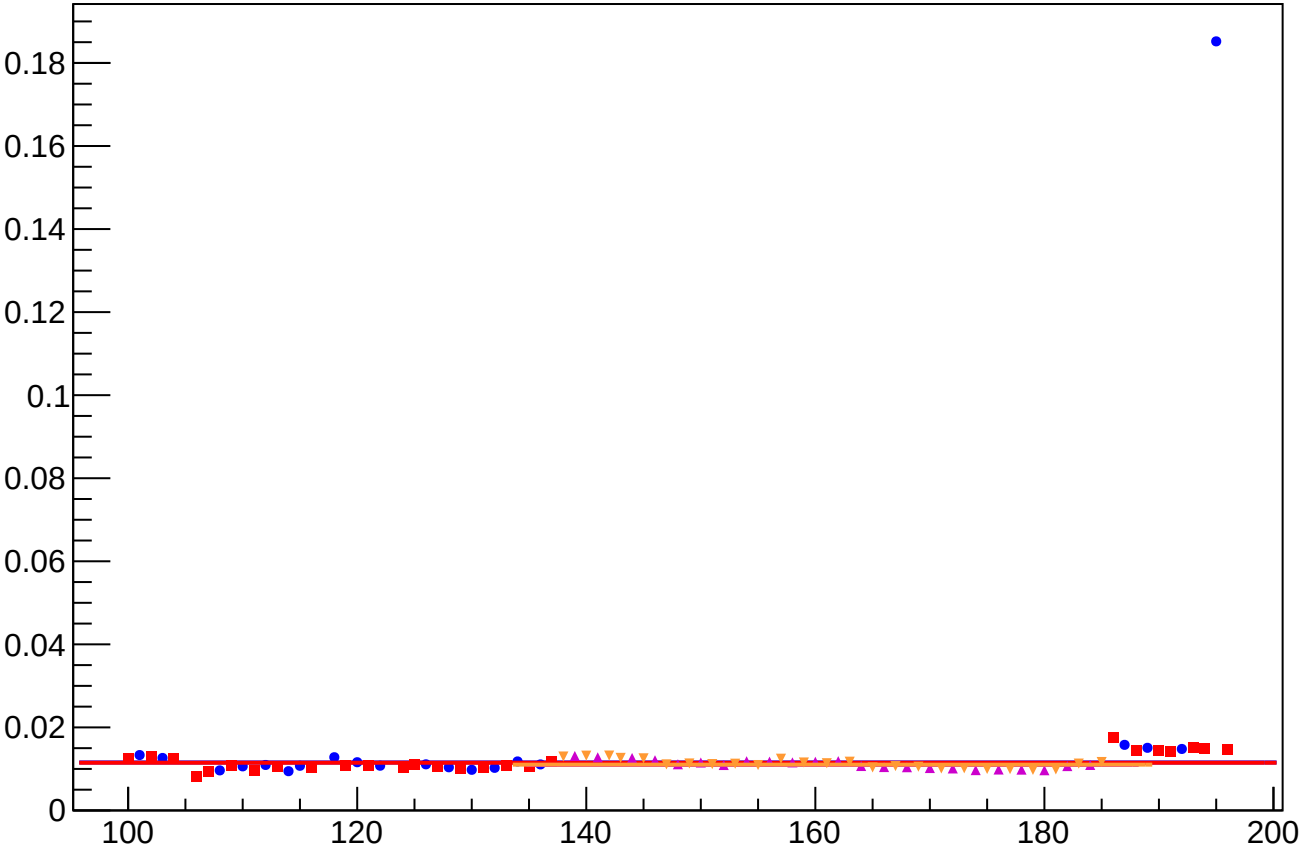
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.750+/-0.000 χ^2/NDF: 13766611360.4/44

All: 0.775+/-0.000 χ^2/NDF: 32351640103.8/9

- 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: 1876961.2/19

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 648713.2/25

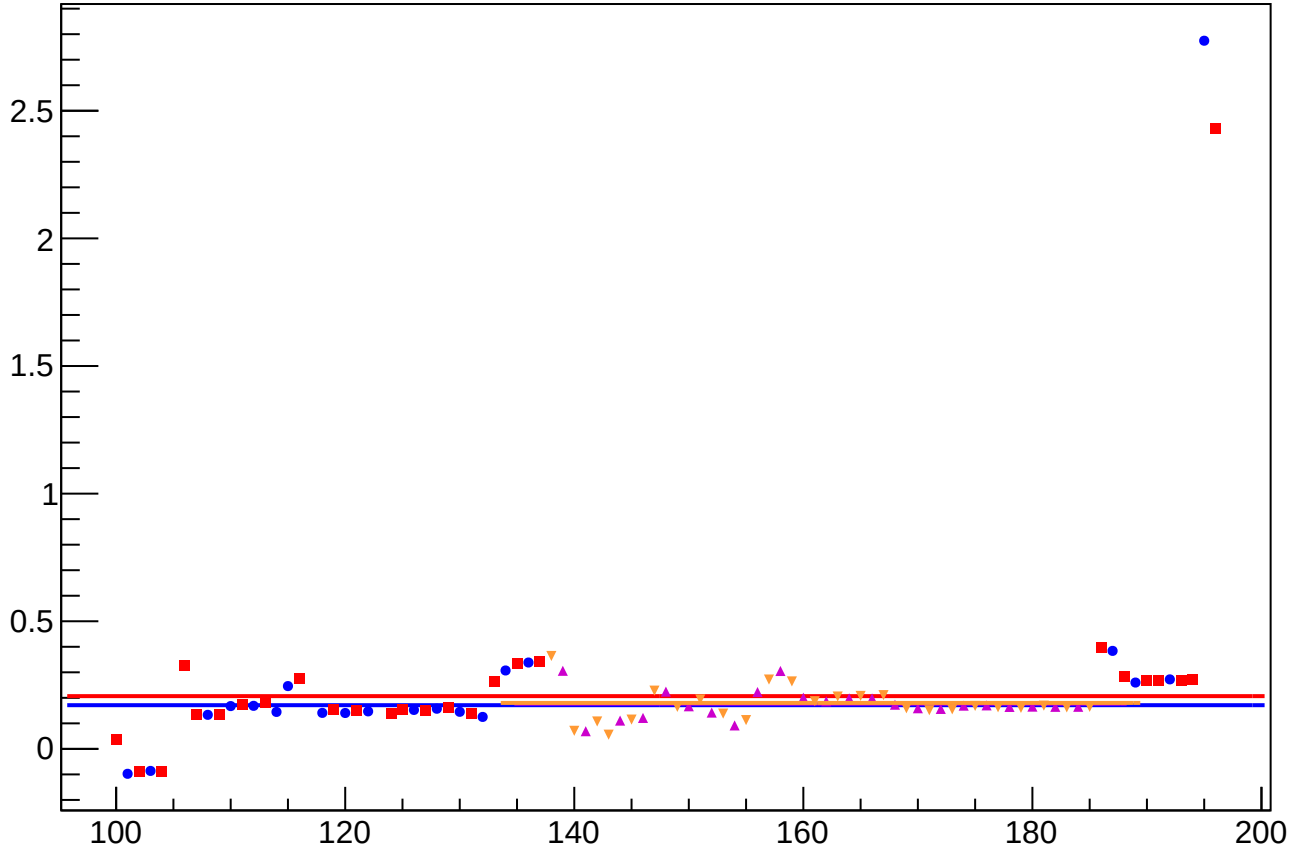
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2201539.7/44

All: 0.011+/-0.000 χ^2/NDF: 3166851.6/93

- sign 0.011+/-0.000 χ^2/NDF: 965078.3/48

yield_bpm0l09Y_mean vs Slug



Right In: 0.171+/-0.000 χ^2/NDF: 9293383151.0/19

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.207+/-0.000 χ^2/NDF: 18954198533.4/25

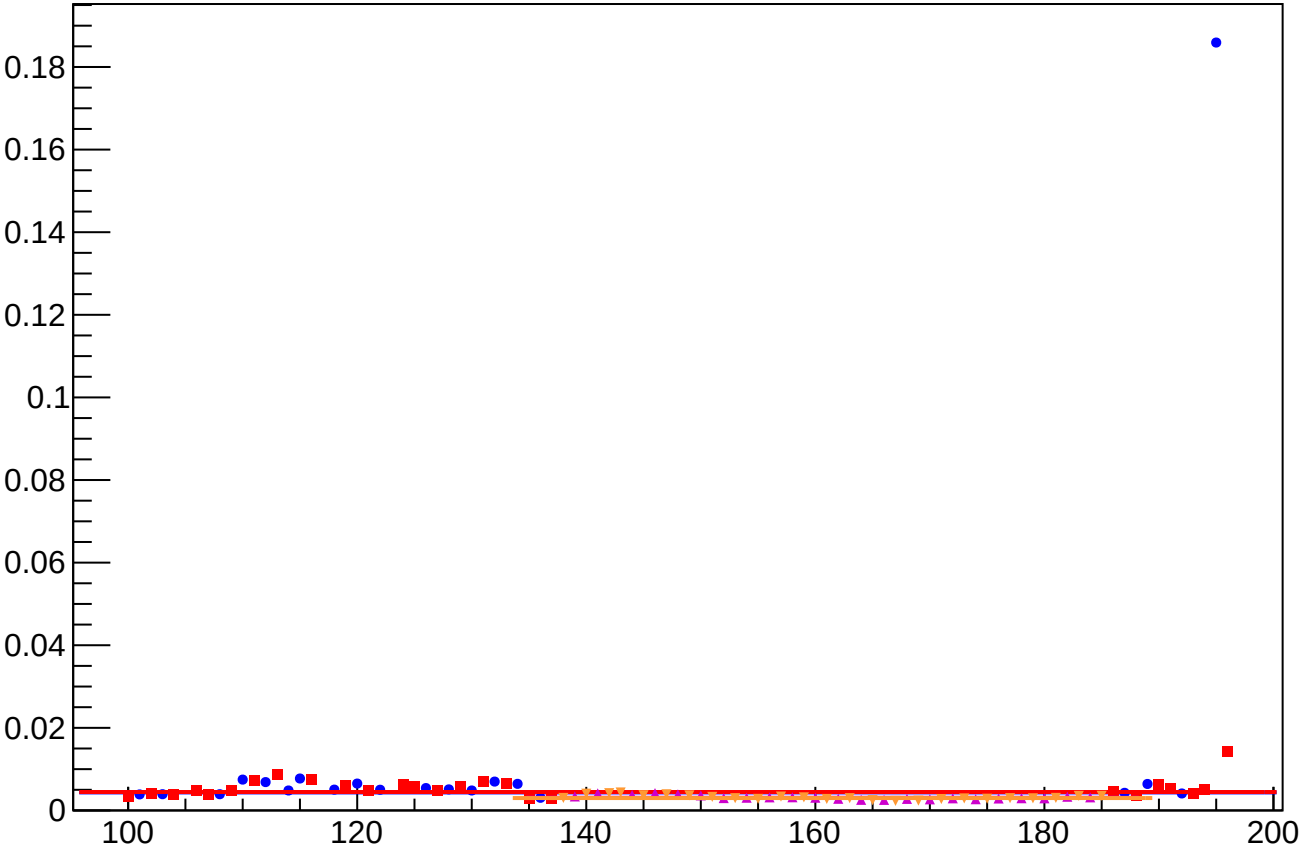
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 15767624679.7/44

All: 0.181+/-0.000 χ^2/NDF: 39684328790.0/9

- 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: 2662230.5/19

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

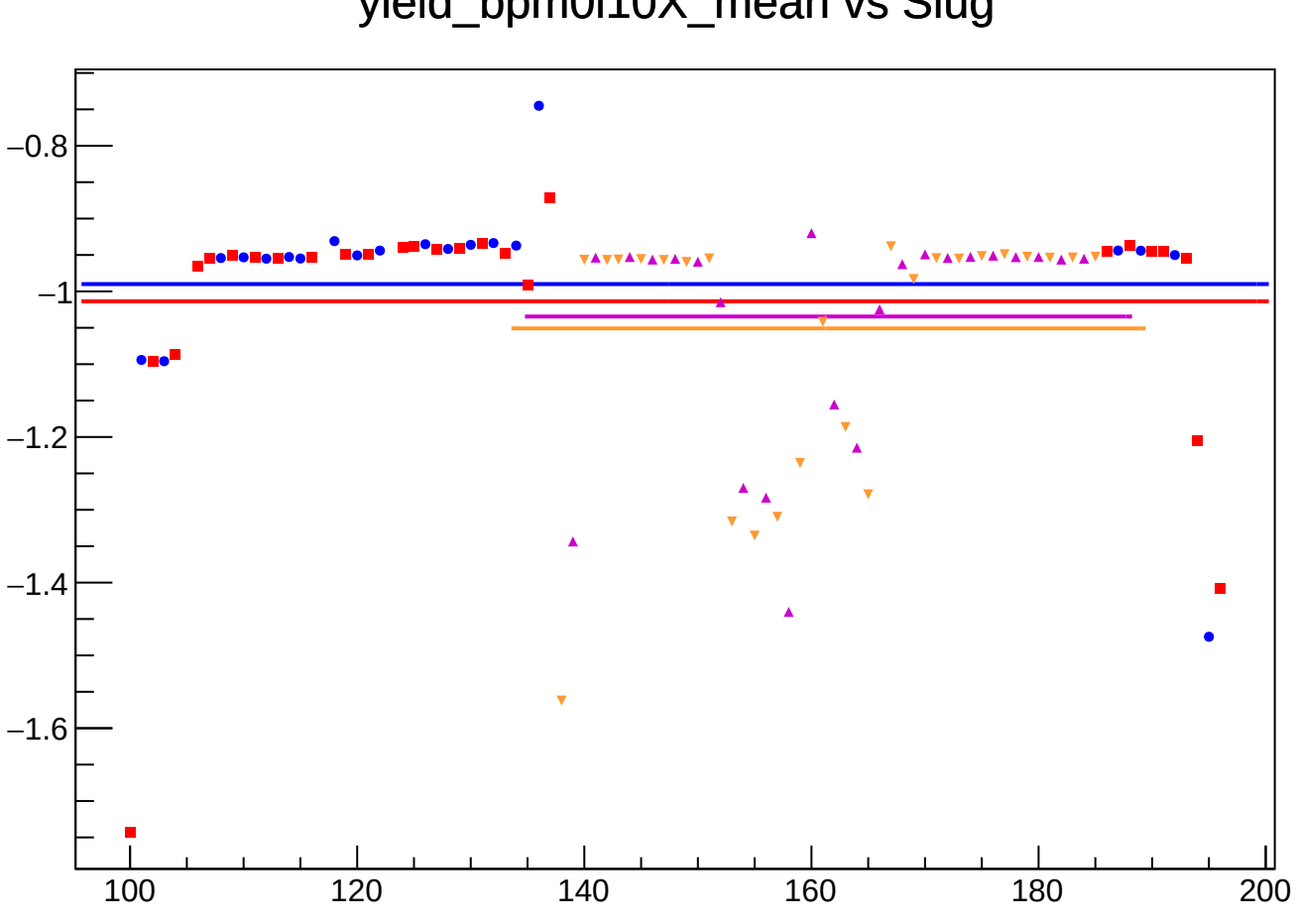
Right Out: 0.004+/-0.000 χ^2/NDF: 1620220.4/25

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 4746494.8/44

All: 0.003+/-0.000 χ^2/NDF: 8410413.8/93

- sign 0.003+/-0.000 χ^2/NDF: 3622232.2/48



Right In: -0.990+/-0.000 χ^2/NDF: 1706277253.1/19

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.014+/-0.000 χ^2/NDF: 1564933101.5/25

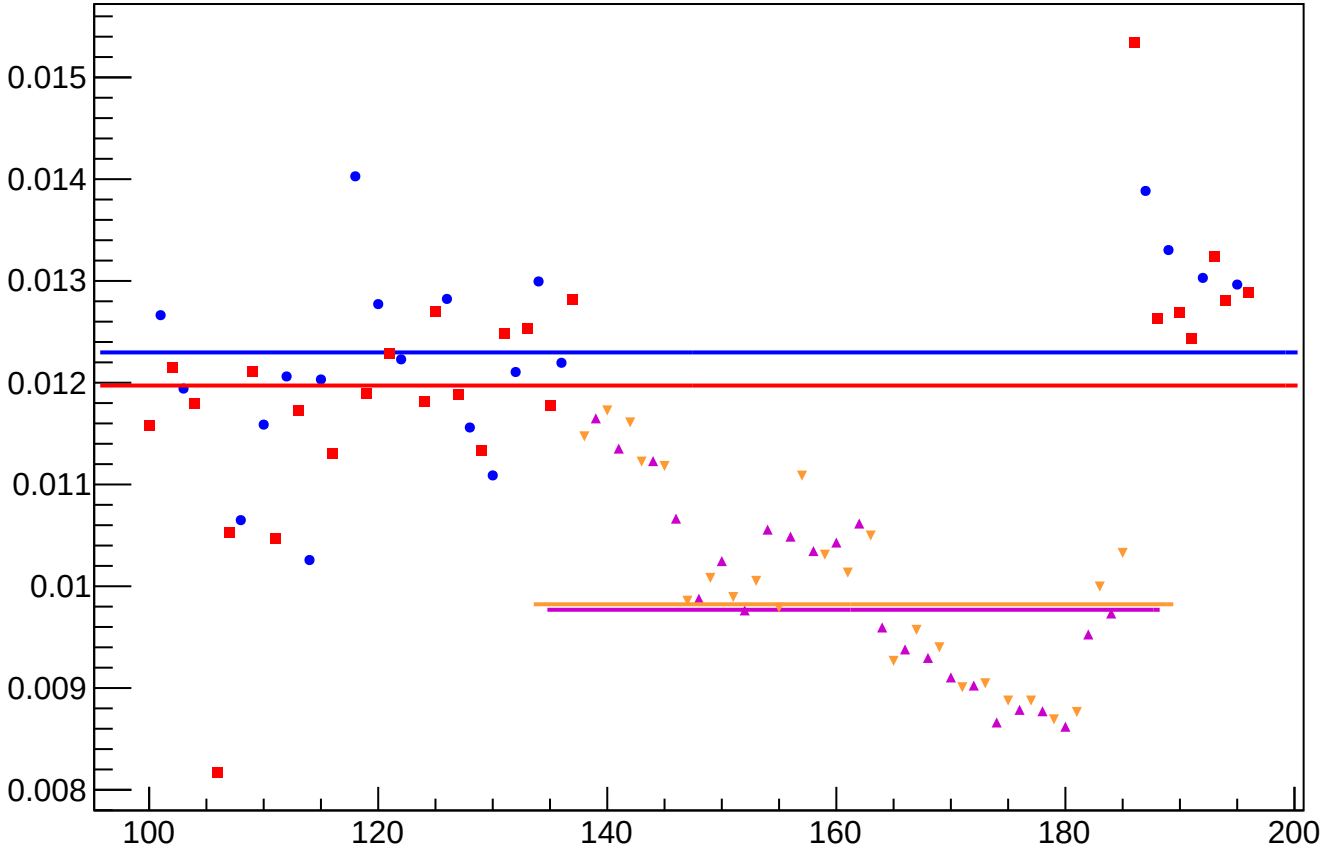
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.036+/-0.000 χ^2/NDF: 6961820514.3/44

All: -1.032+/-0.000 χ^2/NDF: 12484597278.5/

- 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: 89342.3/19

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

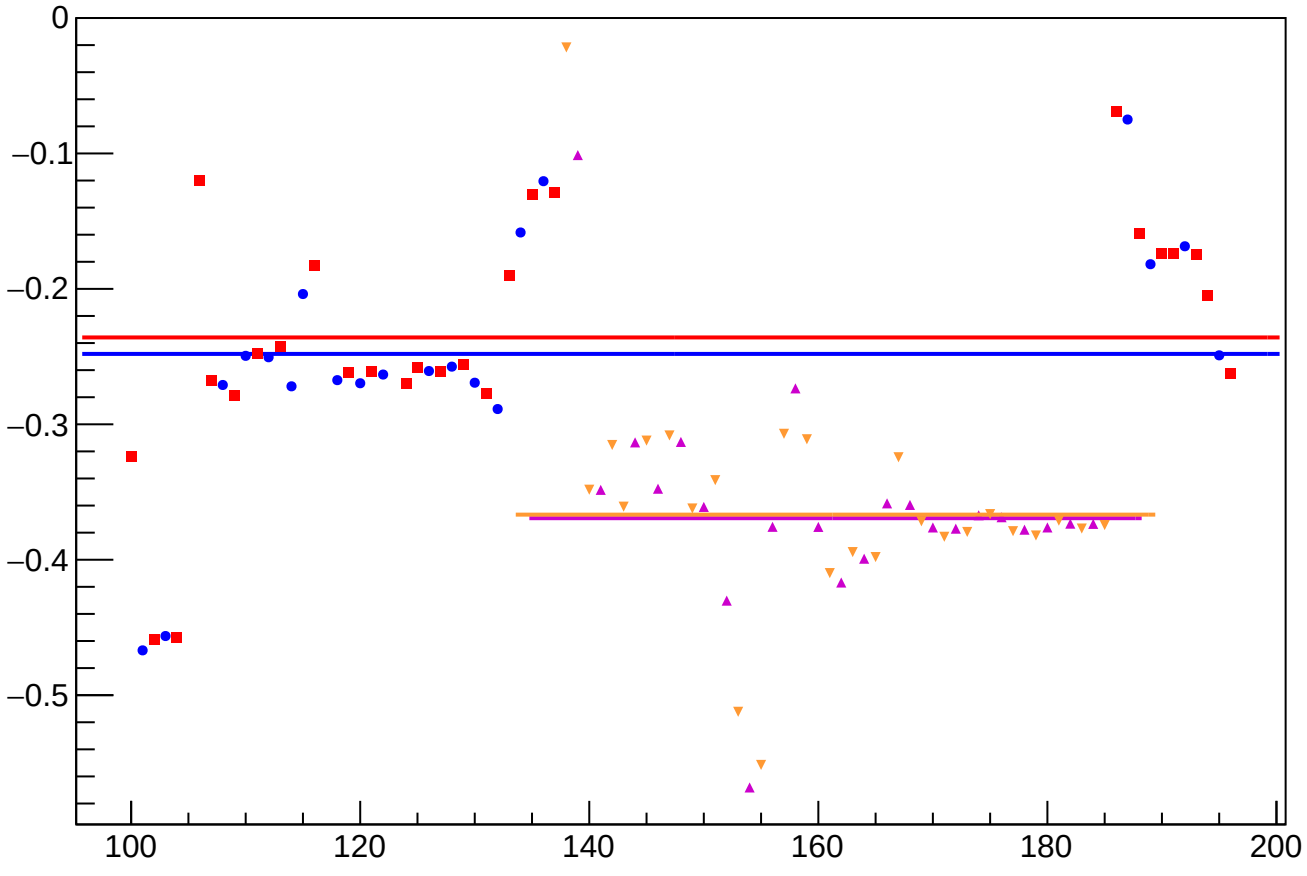
Right Out: 0.012+/-0.000 χ^2/NDF: 249766.2/25

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 956082.0/44

All: 0.010+/-0.000 χ^2/NDF: 2029649.0/93

- sign 0.010+/-0.000 χ^2/NDF: 1073534.5/48



Right In: -0.248+/-0.000 χ^2/NDF: 6890714162.4/19

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.236+/-0.000 χ^2/NDF: 6710578642.3/25

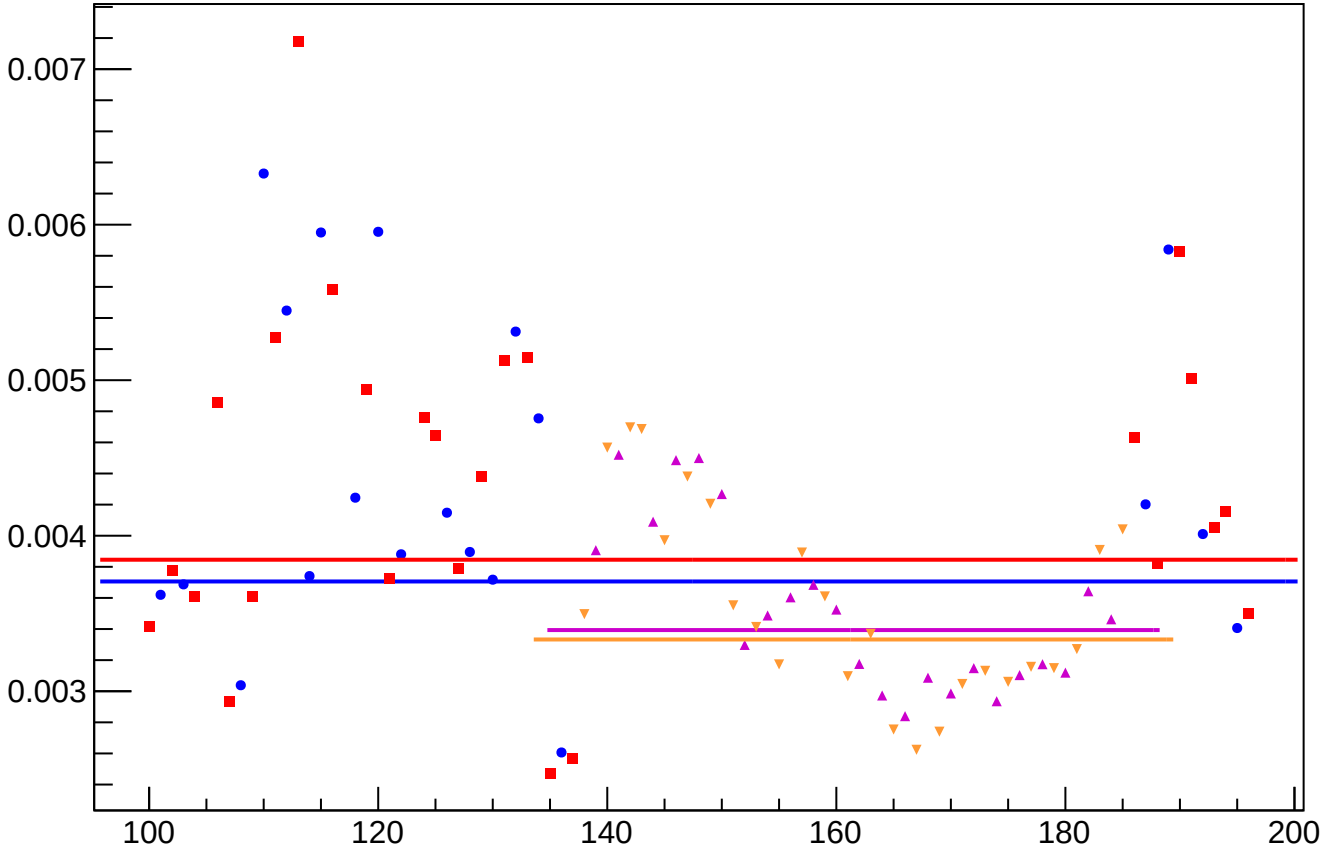
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.334+/-0.000 χ^2/NDF: 24892341294.8/44

All: -0.330+/-0.000 χ^2/NDF: 47530480974.9/

- 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: 894766.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1052696.3/25

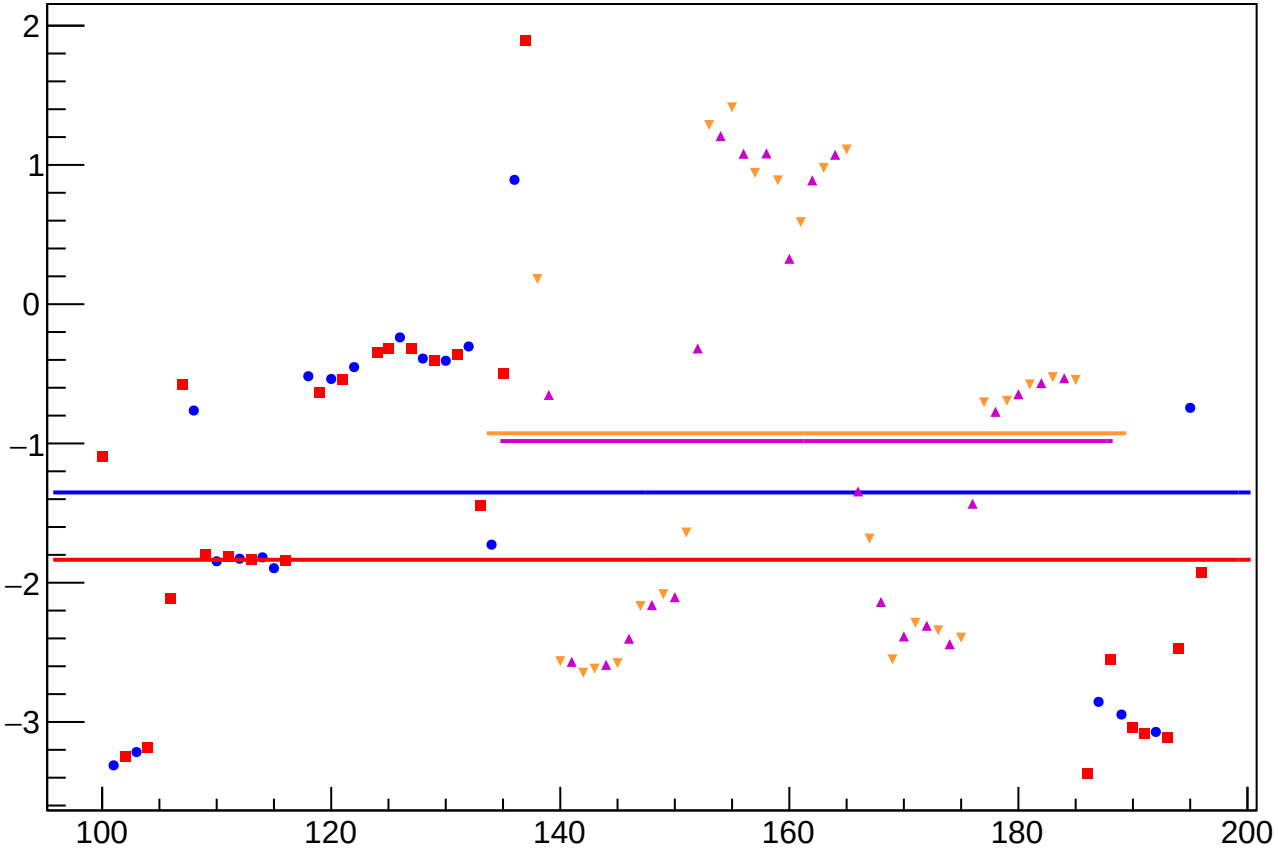
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1872162.0/44

All: 0.003+/-0.000 χ^2/NDF: 3772158.4/93

- sign 0.004+/-0.000 χ^2/NDF: 1876378.3/48

yield_bpm0r03X_mean vs Slug



Right In: -1.352+/-0.000 χ^2/NDF: 3367252168.4/19

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.835+/-0.000 χ^2/NDF: 3019286902.6/25

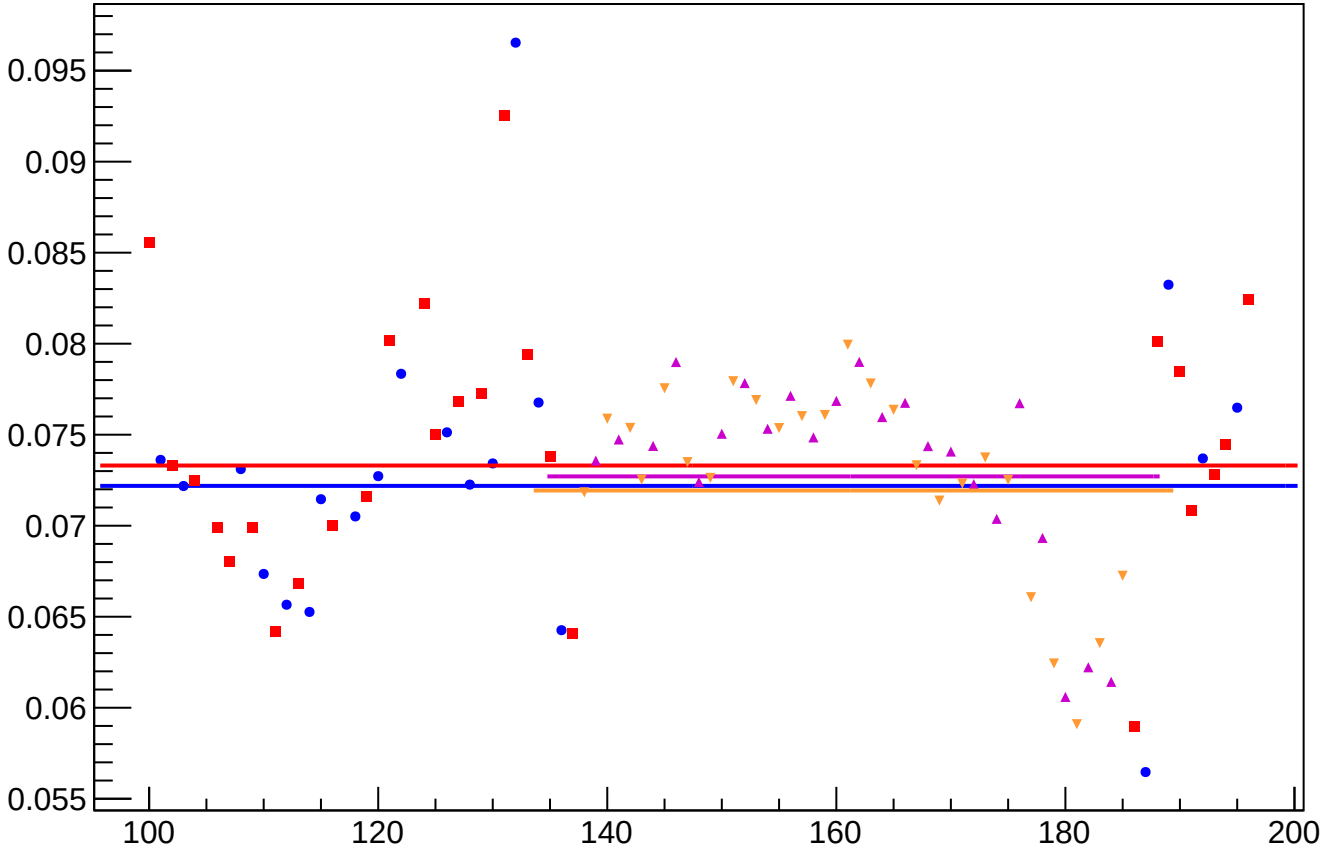
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.068+/-0.000 χ^2/NDF: 10835930694.3/44

All: -1.192+/-0.000 χ^2/NDF: 20902891500.5/

- sign -1.315+/-0.000 χ^2/NDF: 9898459142.3/48

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 154012.9/19

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

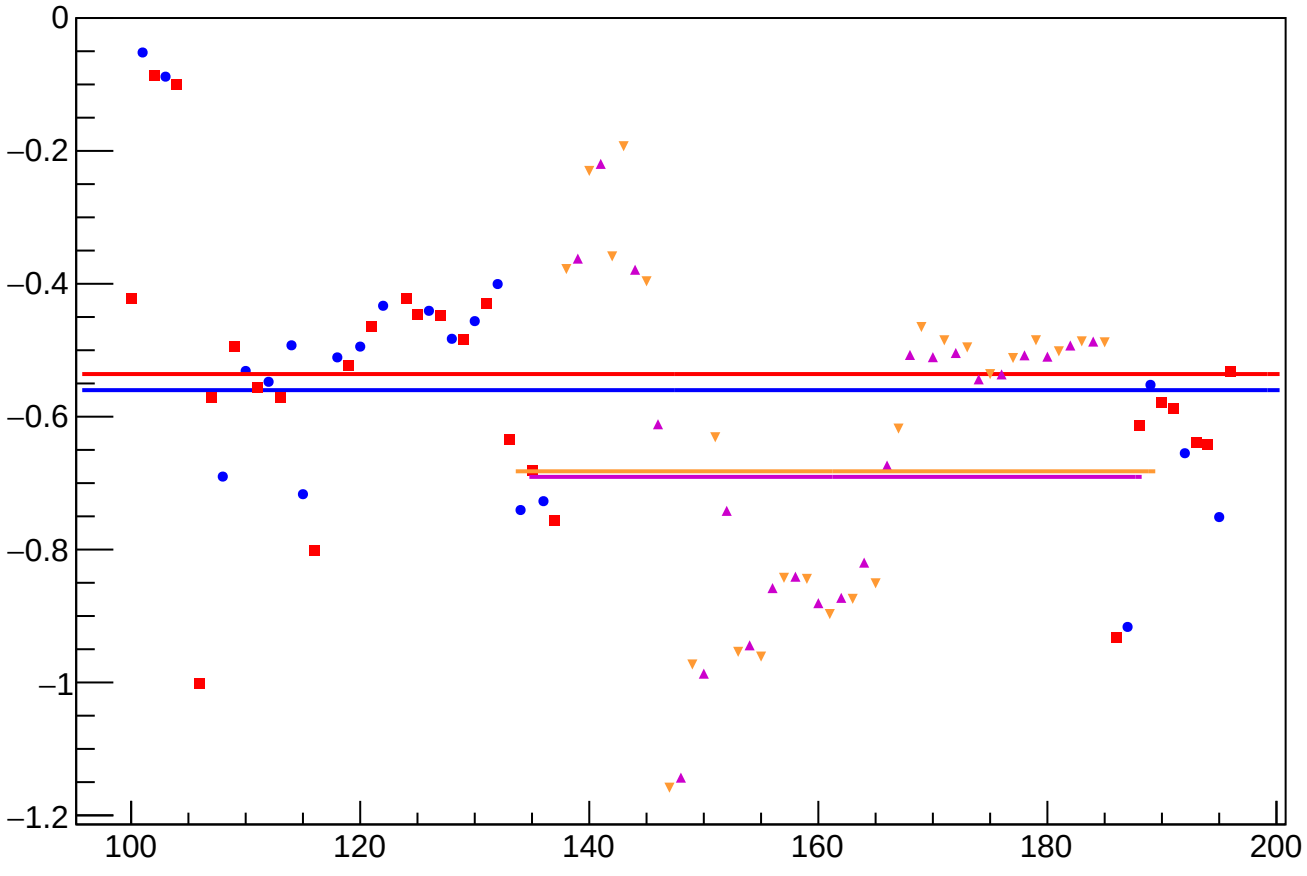
Right Out: 0.073+/-0.000 χ^2/NDF: 182514.0/25

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 389704.3/44

All: 0.072+/-0.000 χ^2/NDF: 774879.6/93

- sign 0.073+/-0.000 χ^2/NDF: 380466.0/48



Right In: -0.560+/-0.000 χ^2/NDF: 5162603655.5/19

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.536+/-0.000 χ^2/NDF: 4529029684.2/25

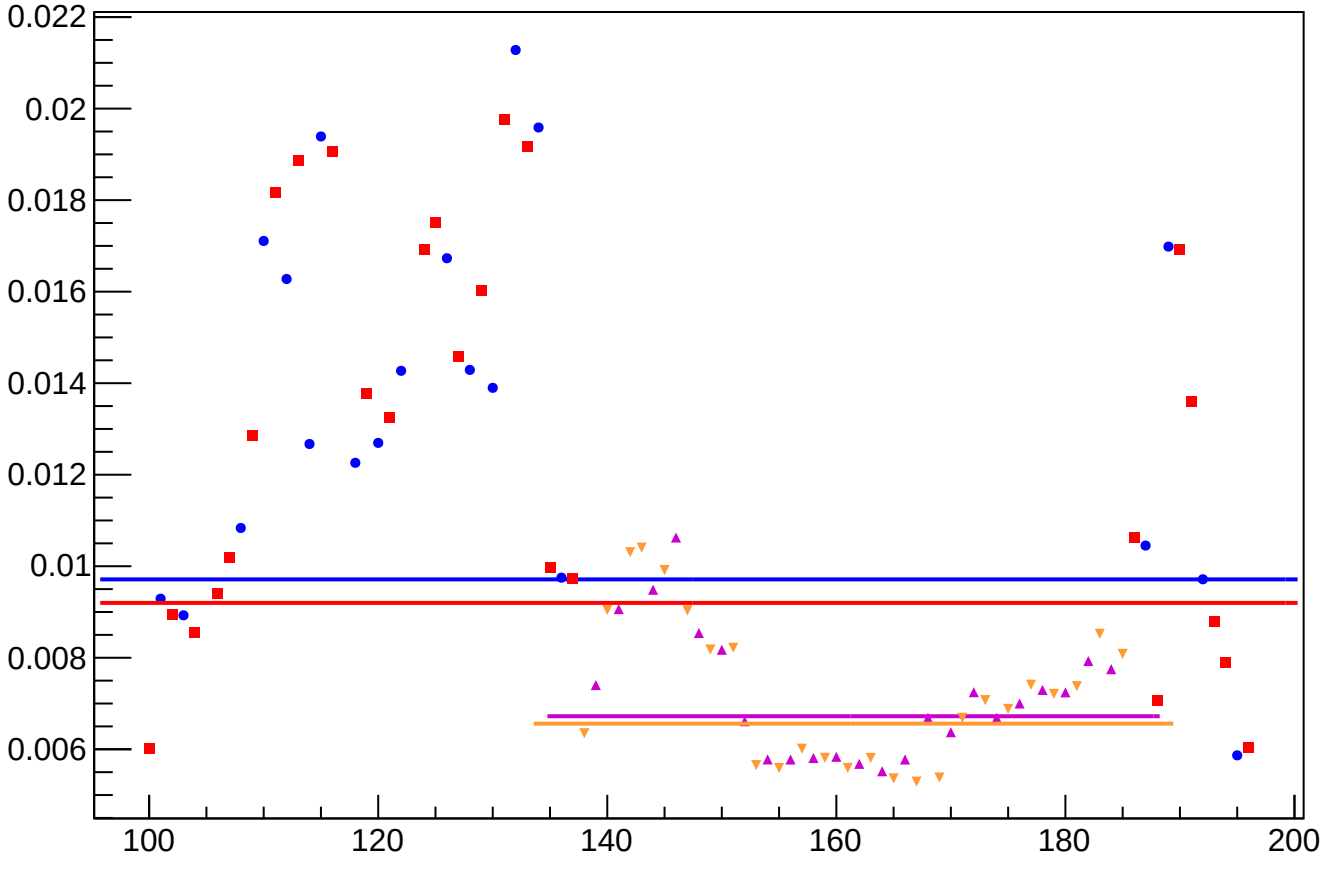
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.662+/-0.000 χ^2/NDF: 28012296674.4/44

All: -0.658+/-0.000 χ^2/NDF: 51453201592.8/

- sign -0.655+/-0.000 χ^2/NDF: 23430288747.5/48

yield_bpm0r03Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2029161.0/19

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2463816.4/25

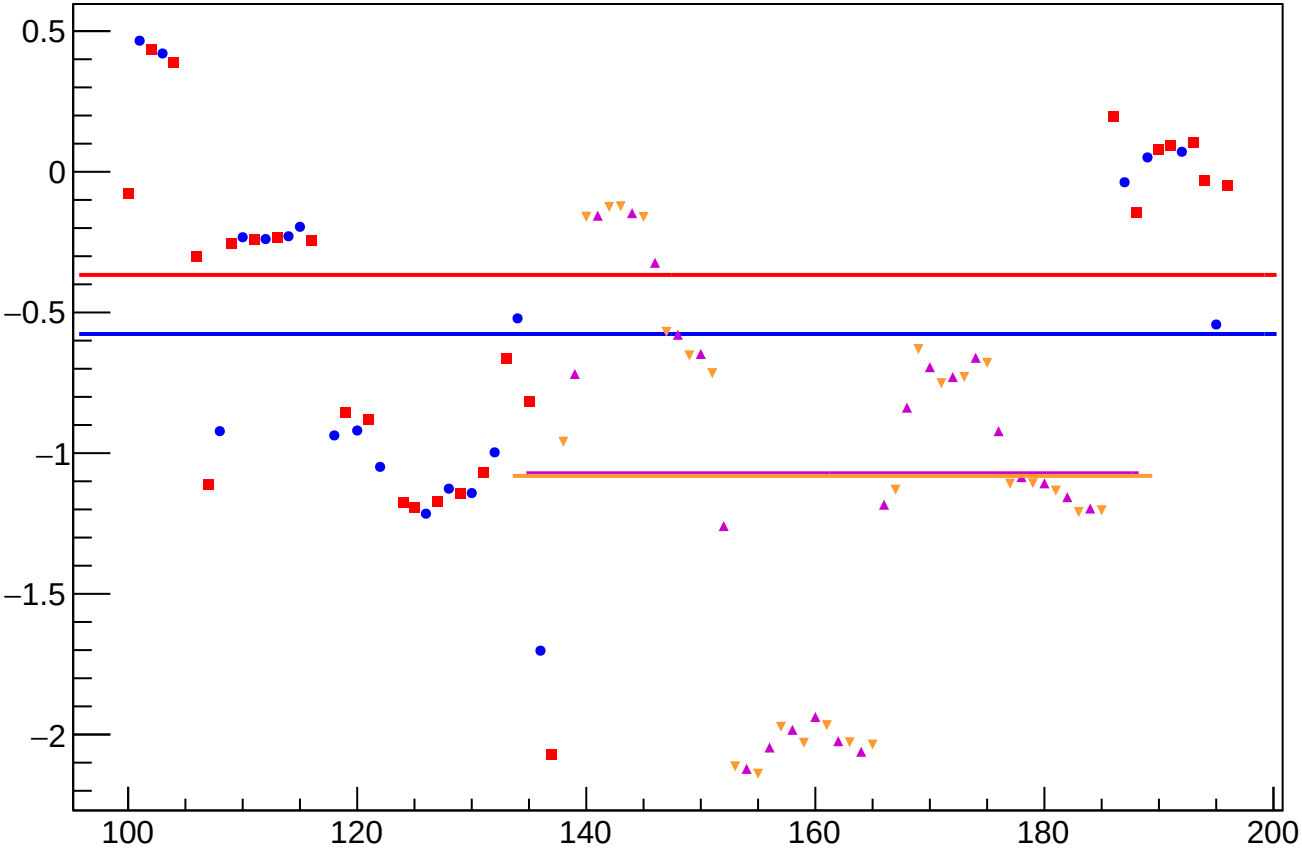
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4800445.0/44

All: 0.007+/-0.000 χ^2/NDF: 9286298.3/93

- sign 0.007+/-0.000 χ^2/NDF: 4466498.9/48

yield_bpm0r05X_mean vs Slug



Right In: -0.576+/-0.000 χ^2/NDF: 537715311.1/19

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.366+/-0.000 χ^2/NDF: 476484643.5/25

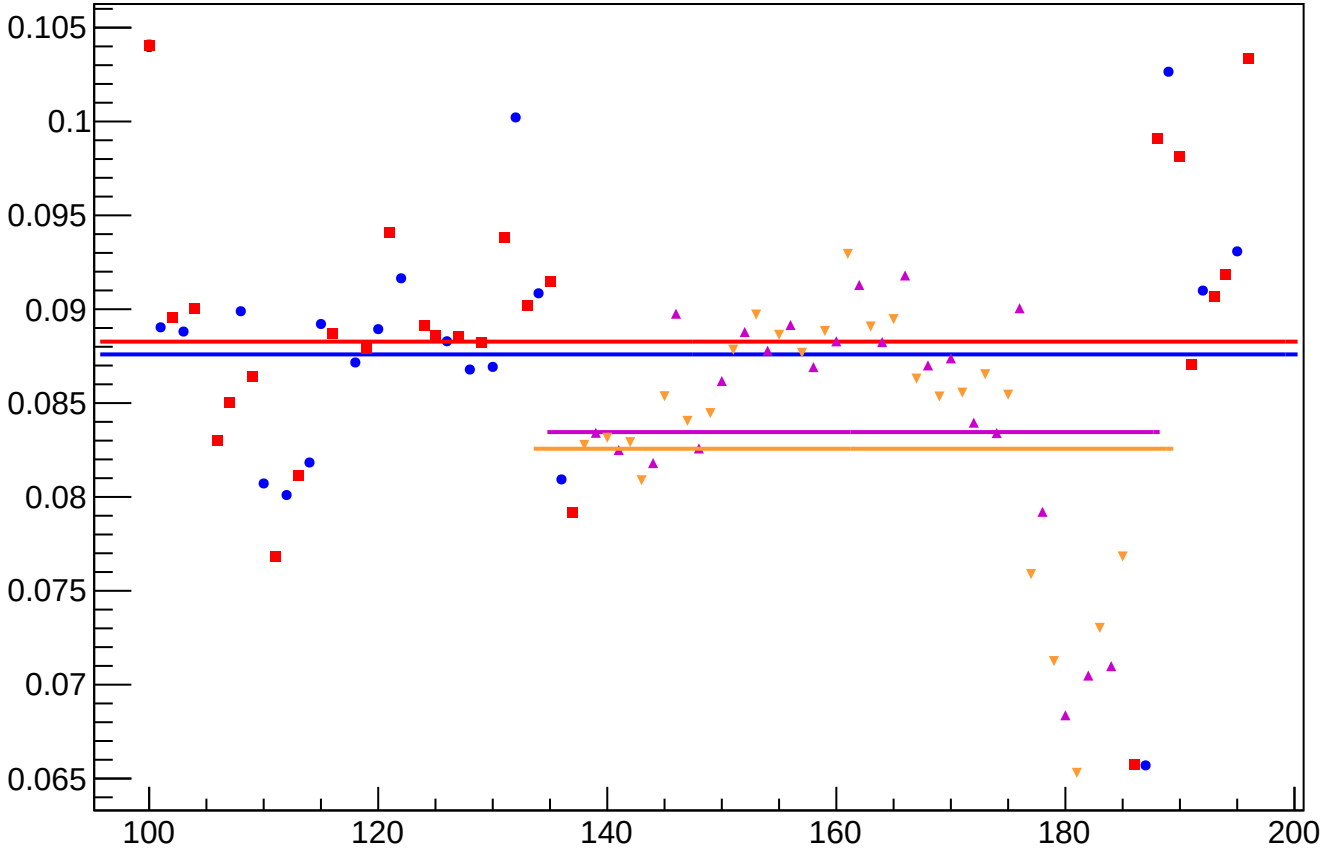
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.924+/-0.000 χ^2/NDF: 1911579042.1/44

All: -0.868+/-0.000 χ^2/NDF: 3865421499.4/9

- sign -0.812+/-0.000 χ^2/NDF: 1927975934.9/48

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF: 117651.1/19

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.088+/-0.000 χ^2/NDF: 212446.1/25

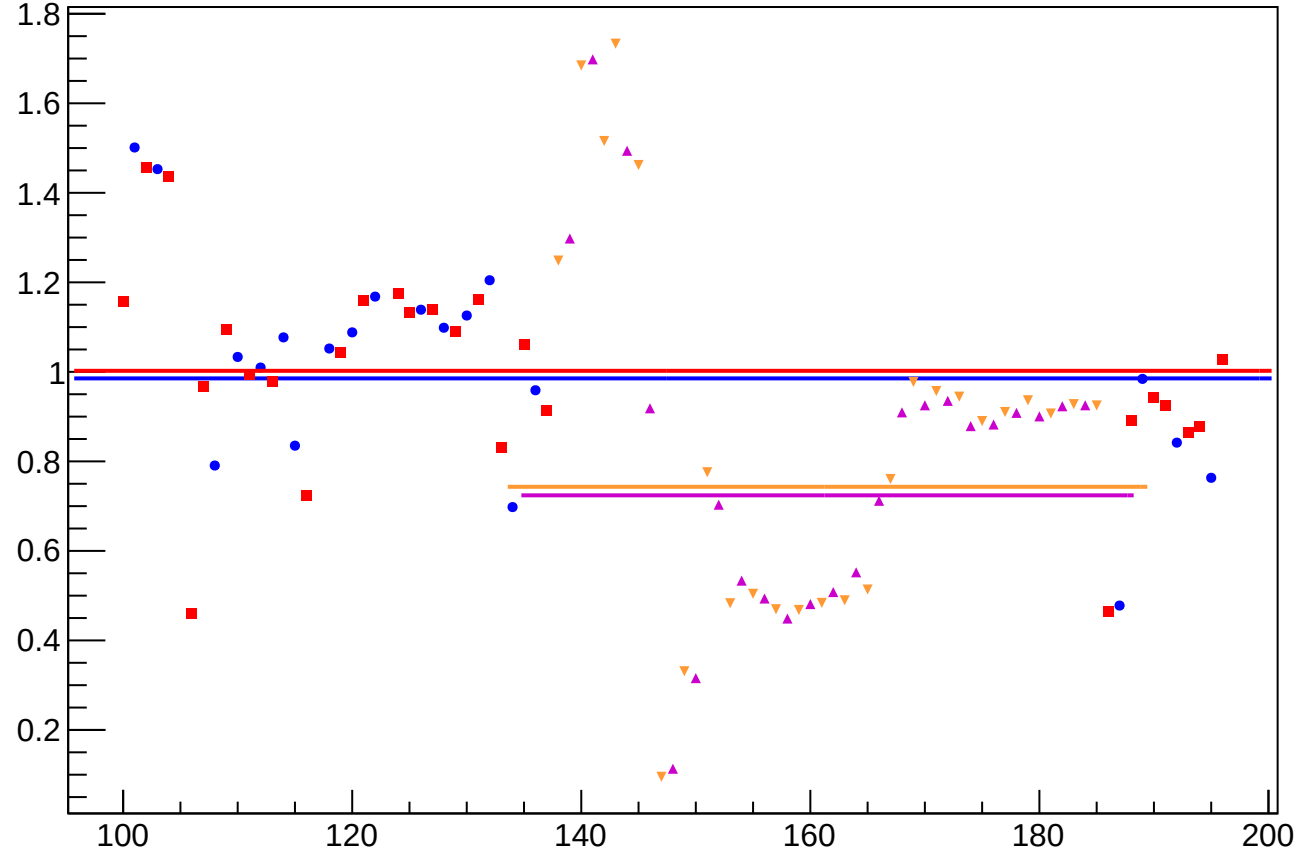
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 452750.1/44

All: 0.085+/-0.000 χ^2/NDF: 953000.1/93

- sign 0.085+/-0.000 χ^2/NDF: 495283.5/48

yield_bpm0r05Y_mean vs Slug



Right In: 0.985+/-0.000 χ^2/NDF: 2917848106.9/19

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.002+/-0.000 χ^2/NDF: 2766070179.3/25

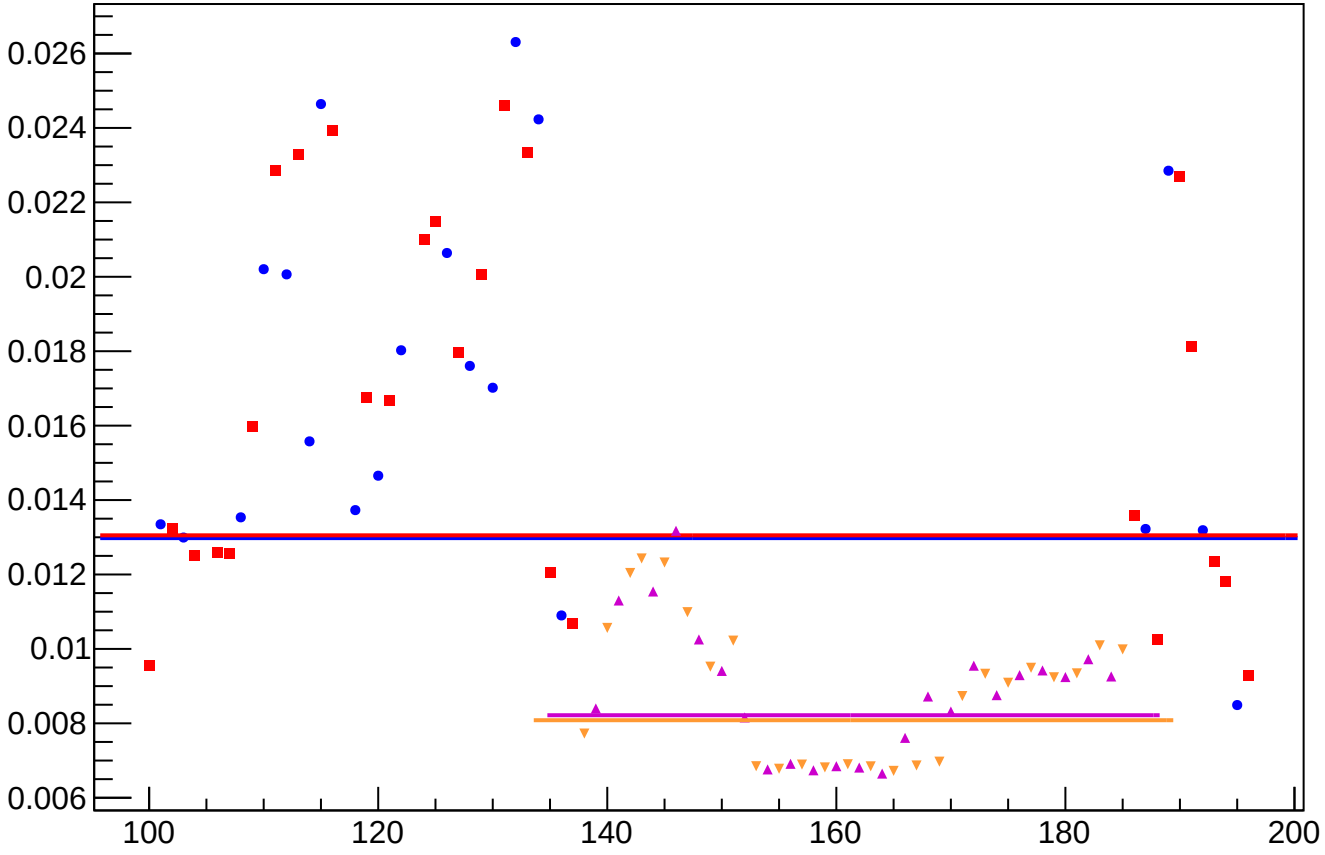
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37876106356.5/44

All: 0.778+/-0.000 χ^2/NDF: 69898963552.5/9

- 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: 1514924.9/19

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1660524.1/25

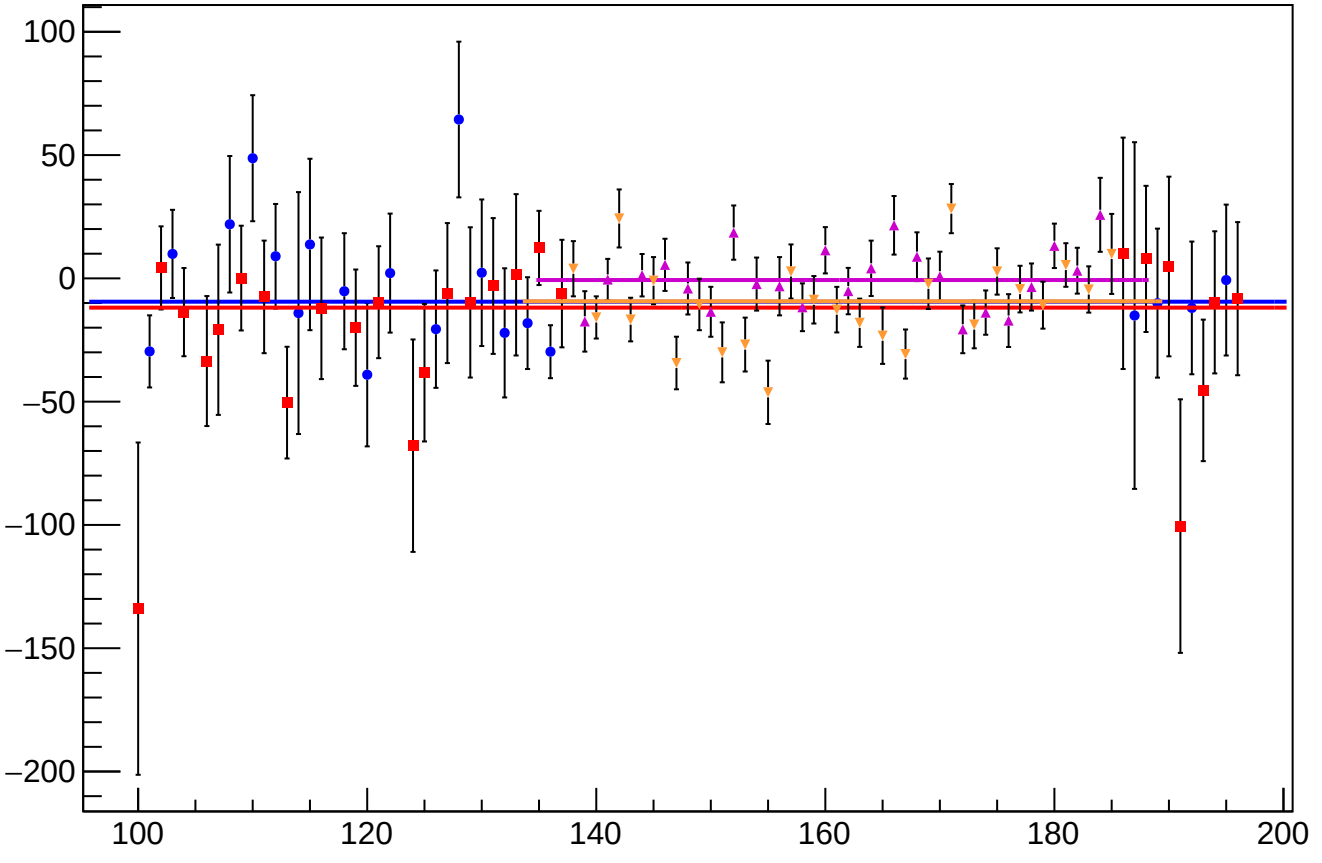
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4862256.4/44

All: 0.009+/-0.000 χ^2/NDF: 9855939.0/93

- sign 0.009+/-0.000 χ^2/NDF: 4963409.9/48

diff_bpm4aX_mean vs Slug



Right In: -9.466+/-5.033 χ^2/NDF: 22.0/19

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -11.869+/-5.046 χ^2/NDF: 19.1/25

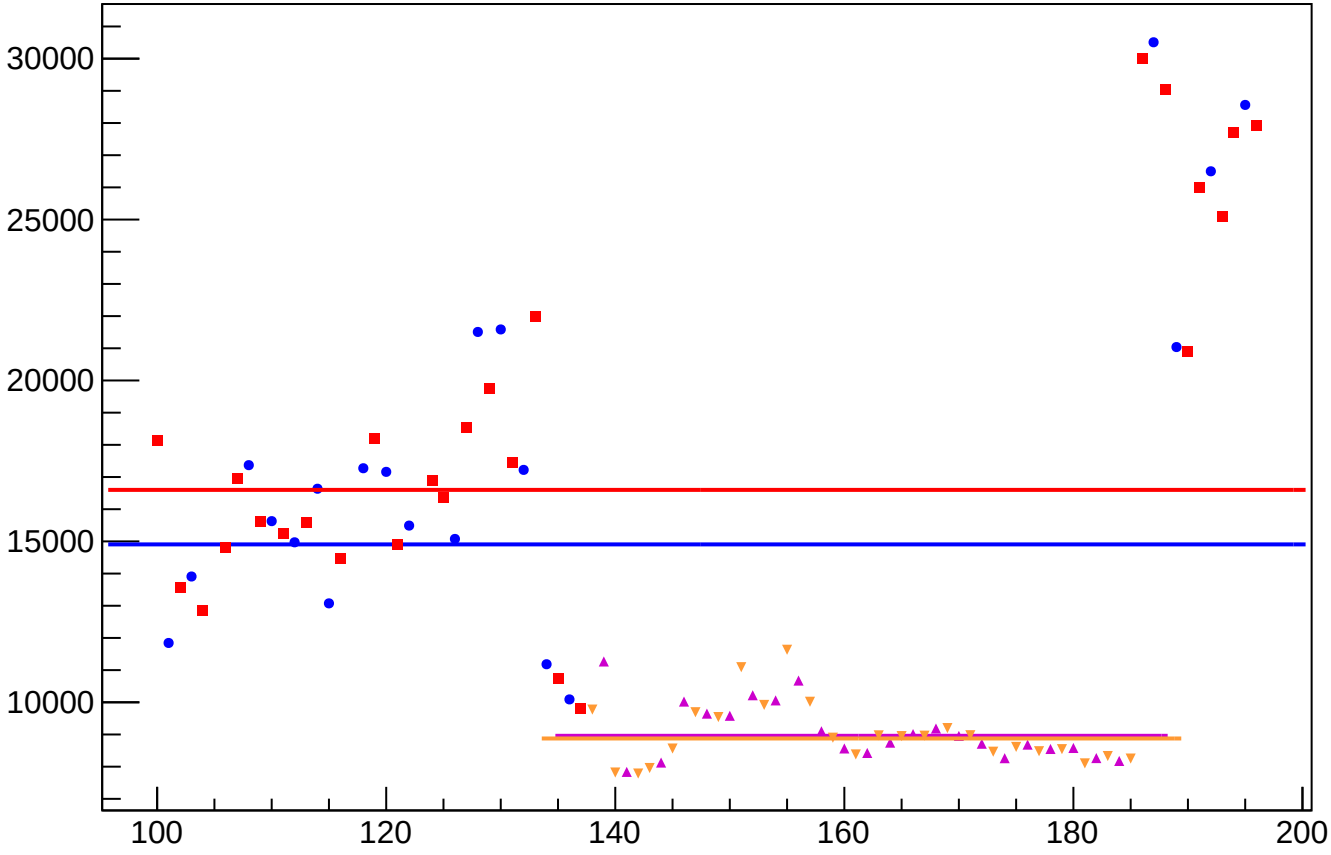
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.316+/-1.883 χ^2/NDF: 83.2/44

All: -5.933+/-1.352 χ^2/NDF: 142.5/93

- sign -2.334+/-1.942 χ^2/NDF: 52.7/48

diff_bpm4aX_rms vs Slug



Right In: 14906.607+/-3.559 χ^2/NDF: 1789670.4/19

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

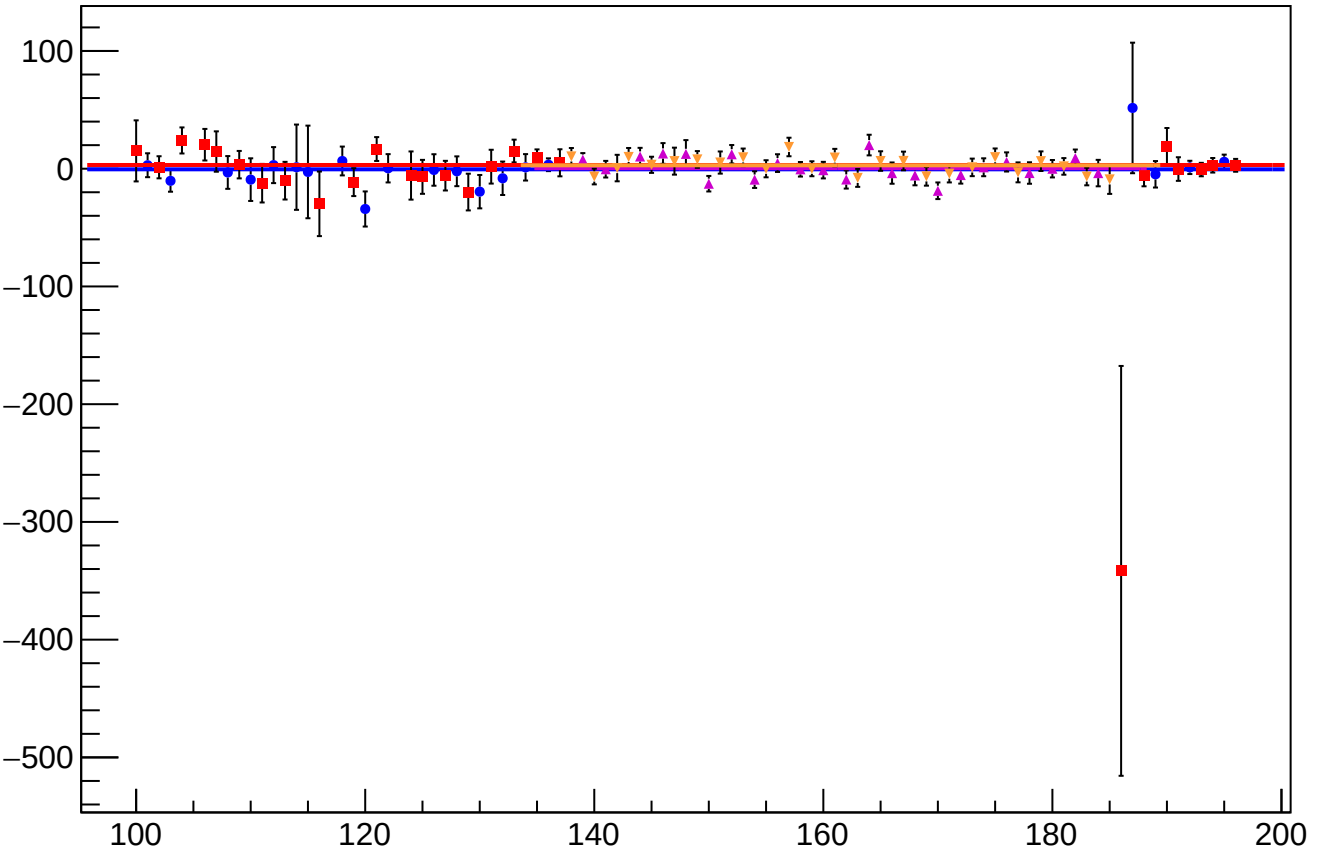
Right Out: 16600.241+/-3.568 χ^2/NDF: 2141680.8/25

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9719.797+/-1.332 χ^2/NDF: 4606119.0/44

All: 9899.453+/-0.956 χ^2/NDF: 10994094.8/9

- sign 10090.542+/-1.373 χ^2/NDF: 6350410.2/48



Right In: -0.527+/-2.335 χ^2/NDF: 11.8/19

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

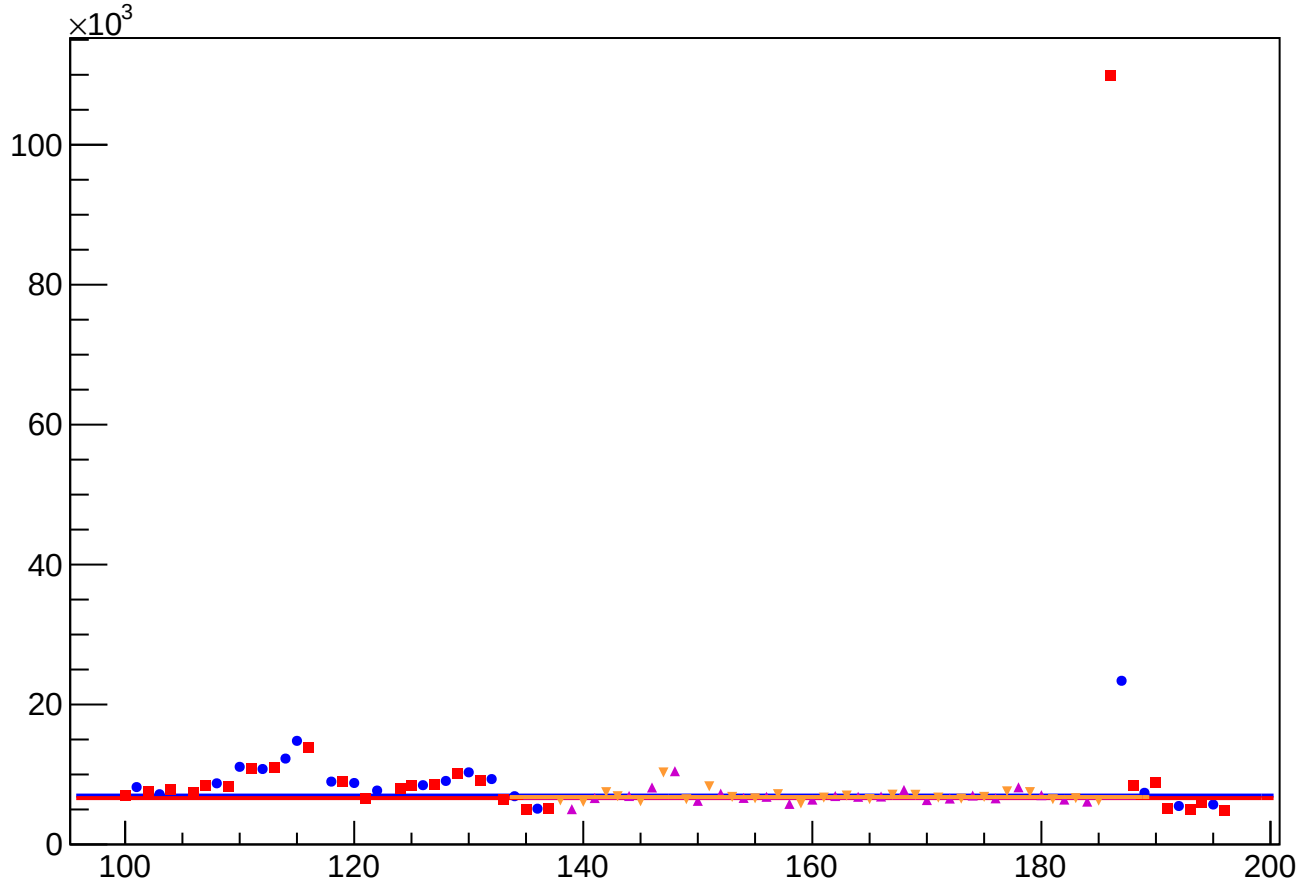
Right Out: 3.153+/-2.041 χ^2/NDF: 24.3/25

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.833+/-1.293 χ^2/NDF: 32.8/44

All: 1.644+/-0.899 χ^2/NDF: 91.0/93

- sign 1.467+/-1.250 χ^2/NDF: 58.1/48



Right In: 6986.148+/-1.651 χ^2/NDF: 1386194.2/19

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

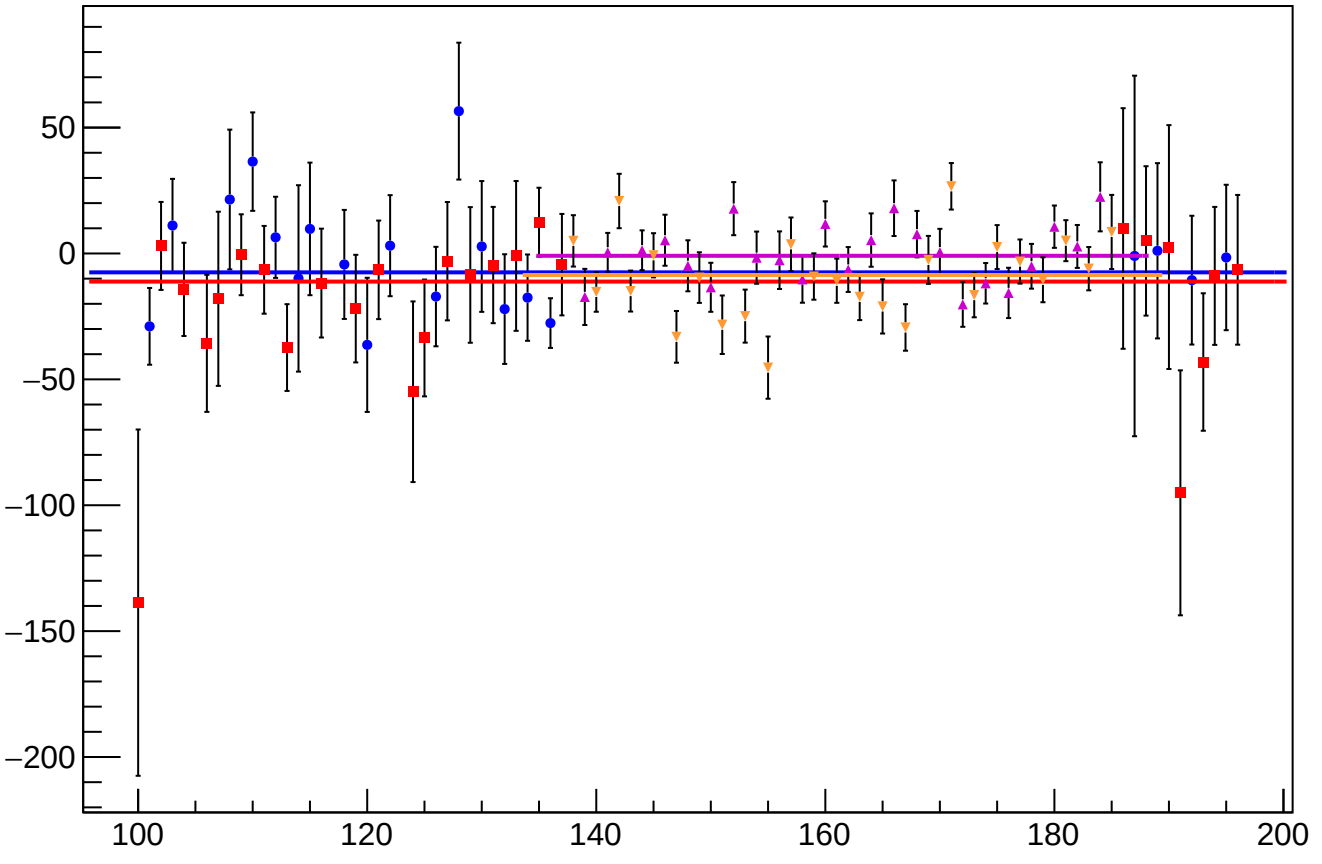
Right Out: 6623.057+/-1.443 χ^2/NDF: 2281253.5/25

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6841.023+/-0.915 χ^2/NDF: 1797513.2/44

All: 6749.805+/-0.636 χ^2/NDF: 4719607.3/93

- sign 6664.604+/-0.884 χ^2/NDF: 2902856.8/48



Right In: -7.500+/-4.559 χ^2/NDF: 22.8/19

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -11.165+/-4.521 χ^2/NDF: 18.9/25

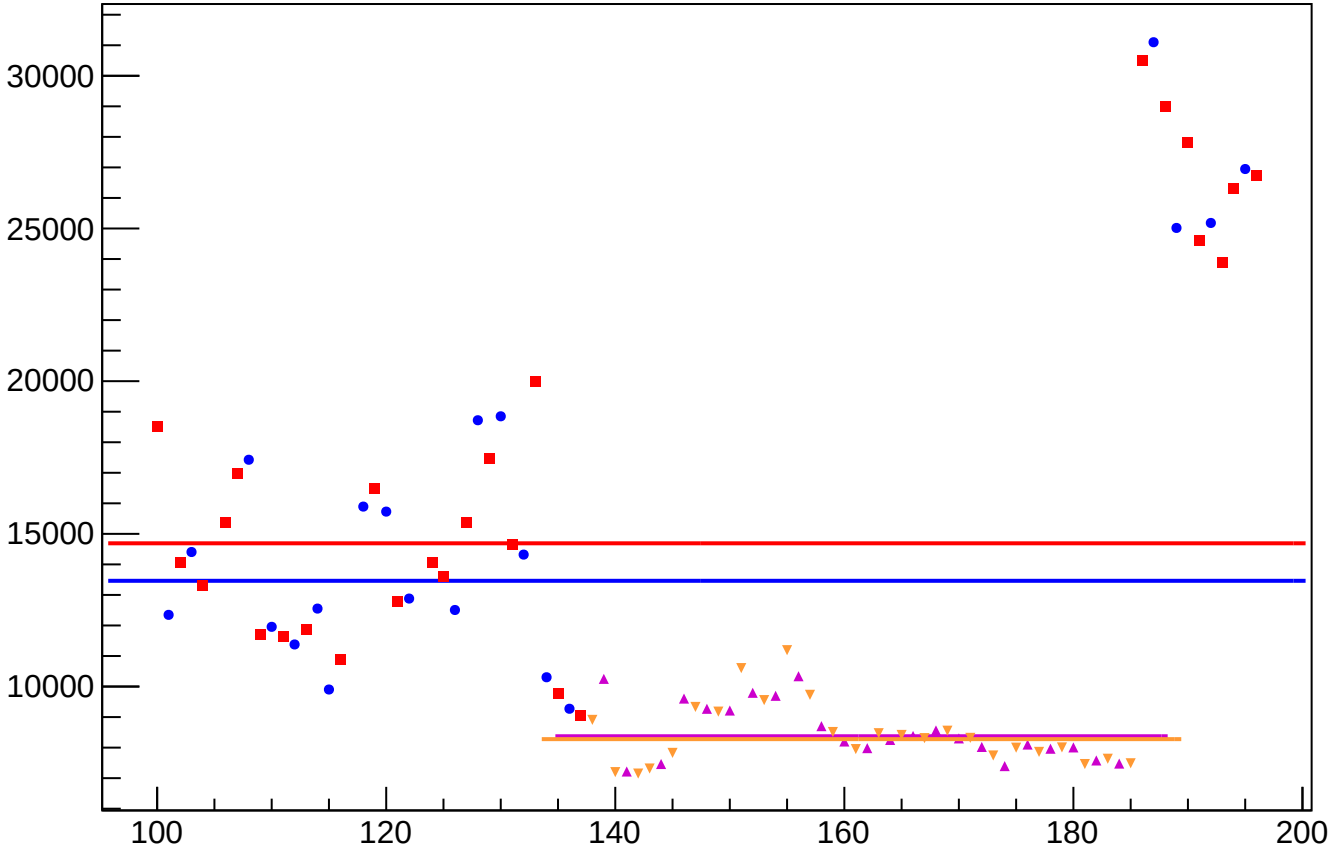
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.384+/-1.751 χ^2/NDF: 84.8/44

All: -5.557+/-1.257 χ^2/NDF: 142.4/93

- sign -2.553+/-1.805 χ^2/NDF: 52.3/48

diff_bpm4eX_rms vs Slug



Right In: 13462.724+/-3.224 χ^2/NDF: 1975807.3/19

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 14690.762+/-3.197 χ^2/NDF: 2645388.2/25

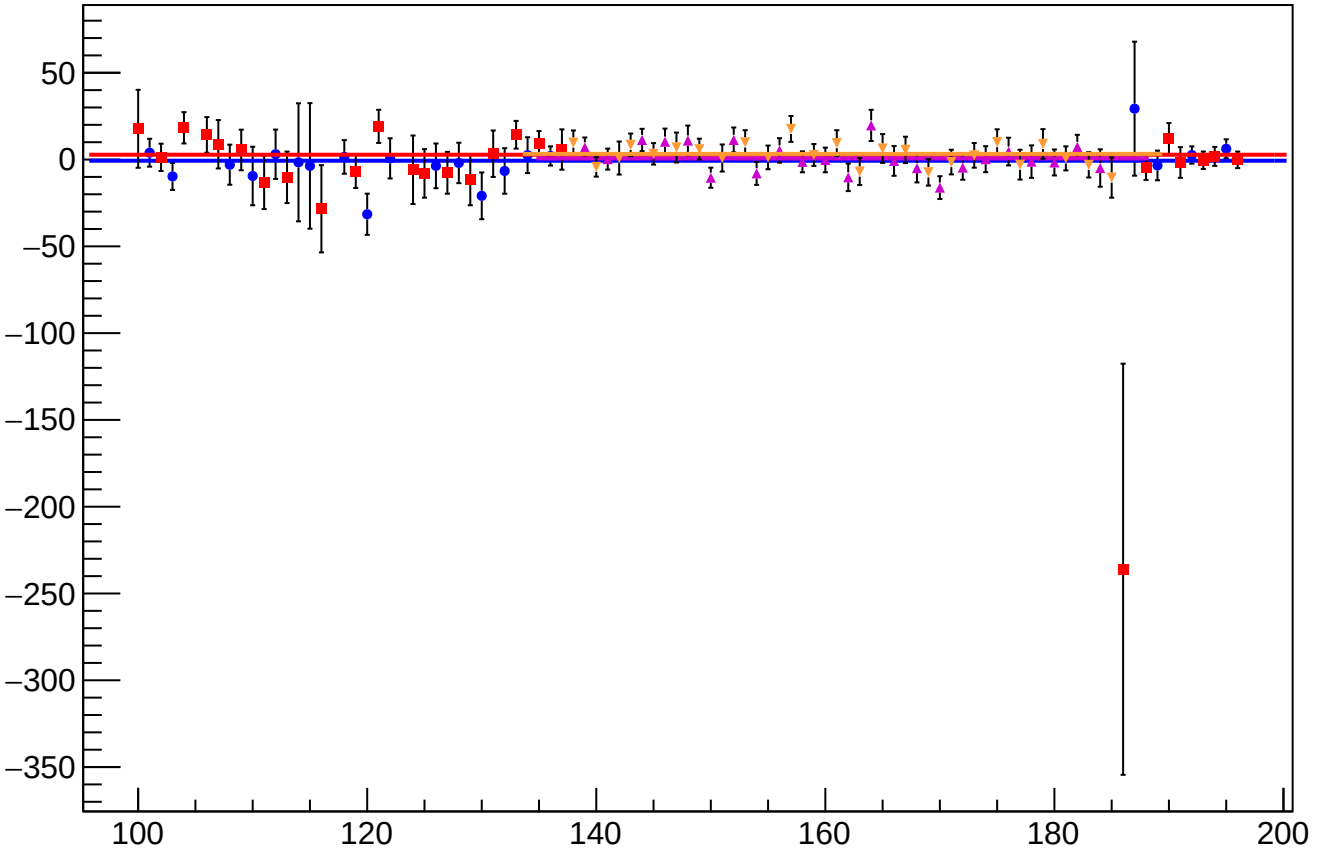
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9042.637+/-1.238 χ^2/NDF: 4635795.2/44

All: 9206.001+/-0.889 χ^2/NDF: 10993288.2/9

- sign 9379.592+/-1.276 χ^2/NDF: 6321593.0/48

diff_bpm4eY_mean vs Slug



Right In: -0.679+/-2.085 χ^2/NDF: 14.5/19

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 2.779+/-1.785 χ^2/NDF: 24.9/25

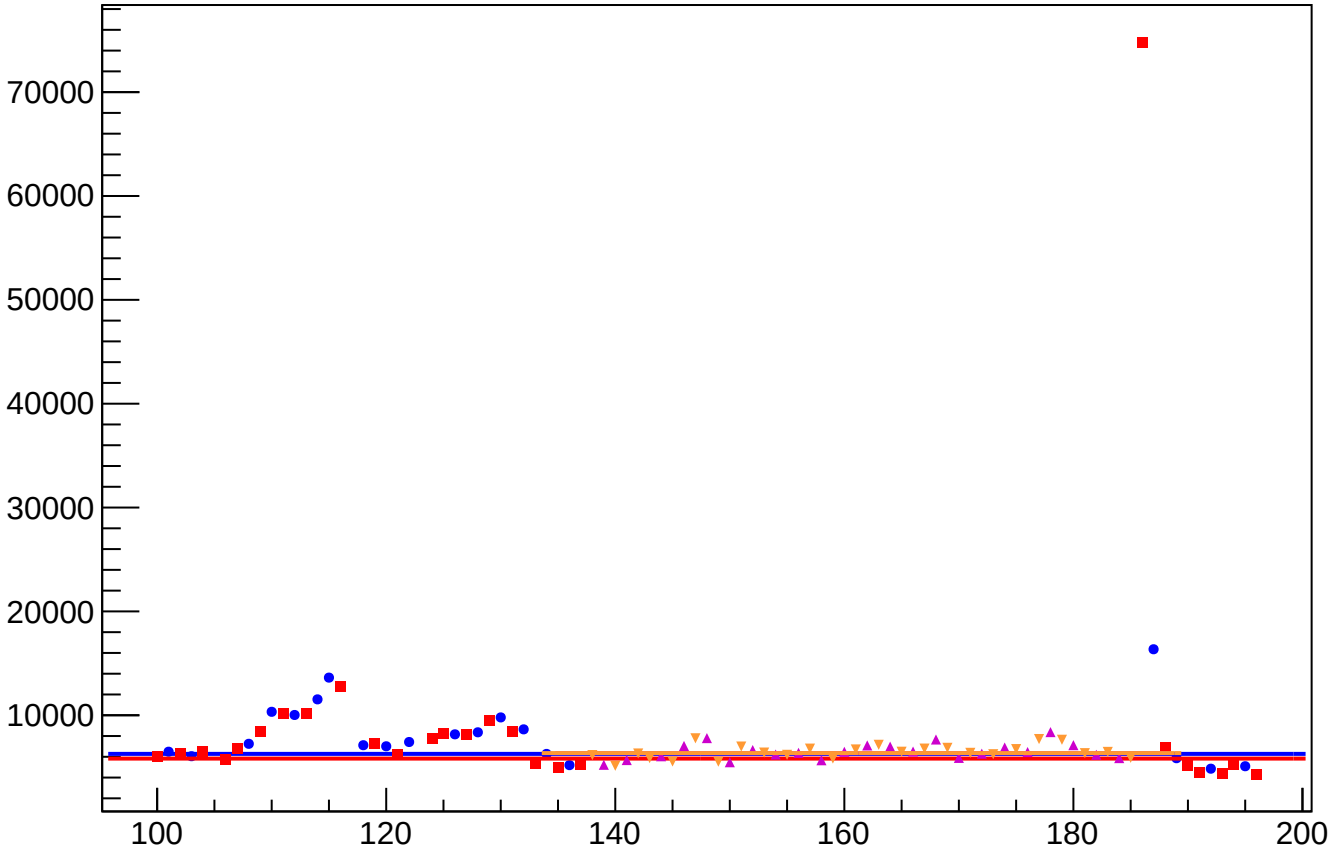
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.964+/-1.194 χ^2/NDF: 34.5/44

All: 1.737+/-0.828 χ^2/NDF: 91.1/93

- sign 1.528+/-1.148 χ^2/NDF: 56.5/48

diff_bpm4eY_rms vs Slug



Right In: 6280.747+/-1.474 χ^2/NDF: 1228435.7/19

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5827.094+/-1.262 χ^2/NDF: 2247770.1/25

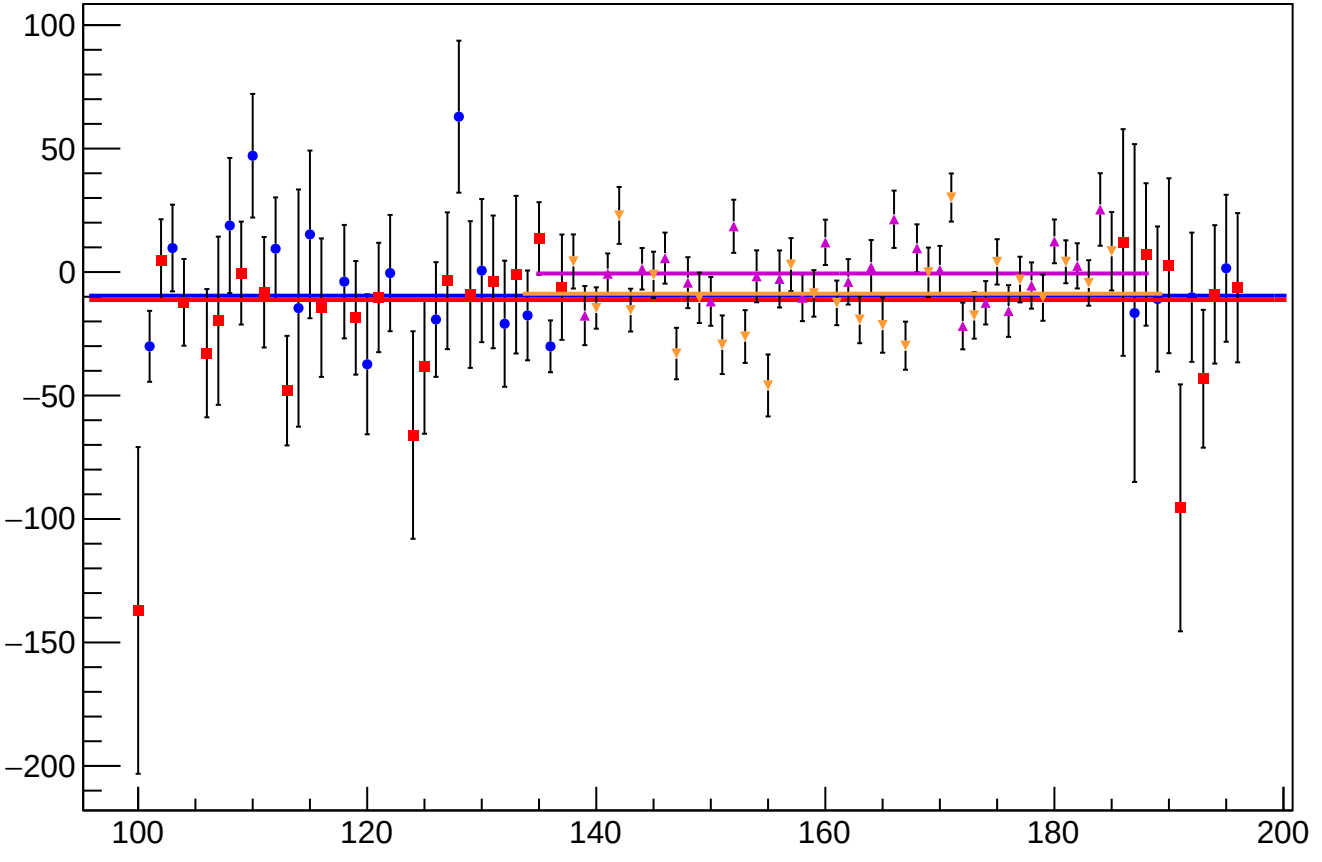
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6332.379+/-0.844 χ^2/NDF: 1644381.7/44

All: 6232.169+/-0.585 χ^2/NDF: 4497585.2/93

- sign 6139.560+/-0.812 χ^2/NDF: 2826110.2/48

diff_bpm4acX_mean vs Slug



Right In: -9.580+/-4.923 χ^2/NDF: 22.2/19

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.335+/-4.935 χ^2/NDF: 19.3/25

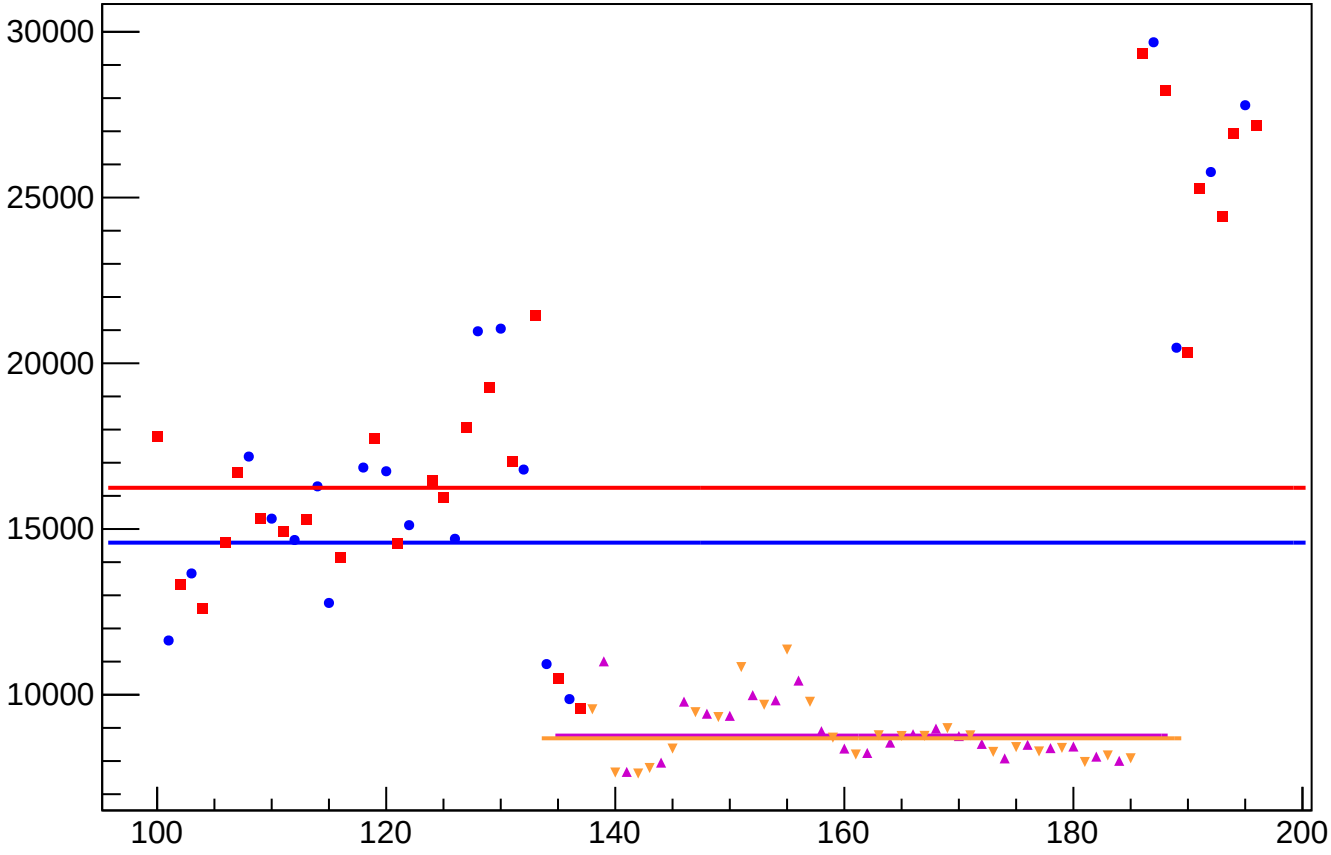
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.880+/-1.843 χ^2/NDF: 84.9/44

All: -5.631+/-1.323 χ^2/NDF: 144.3/93

- sign -2.174+/-1.900 χ^2/NDF: 52.9/48

diff_bpm4acX_rms vs Slug



Right In: 14588.959+/-3.481 χ^2/NDF: 1770660.6/19

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16243.918+/-3.489 χ^2/NDF: 2112179.3/25

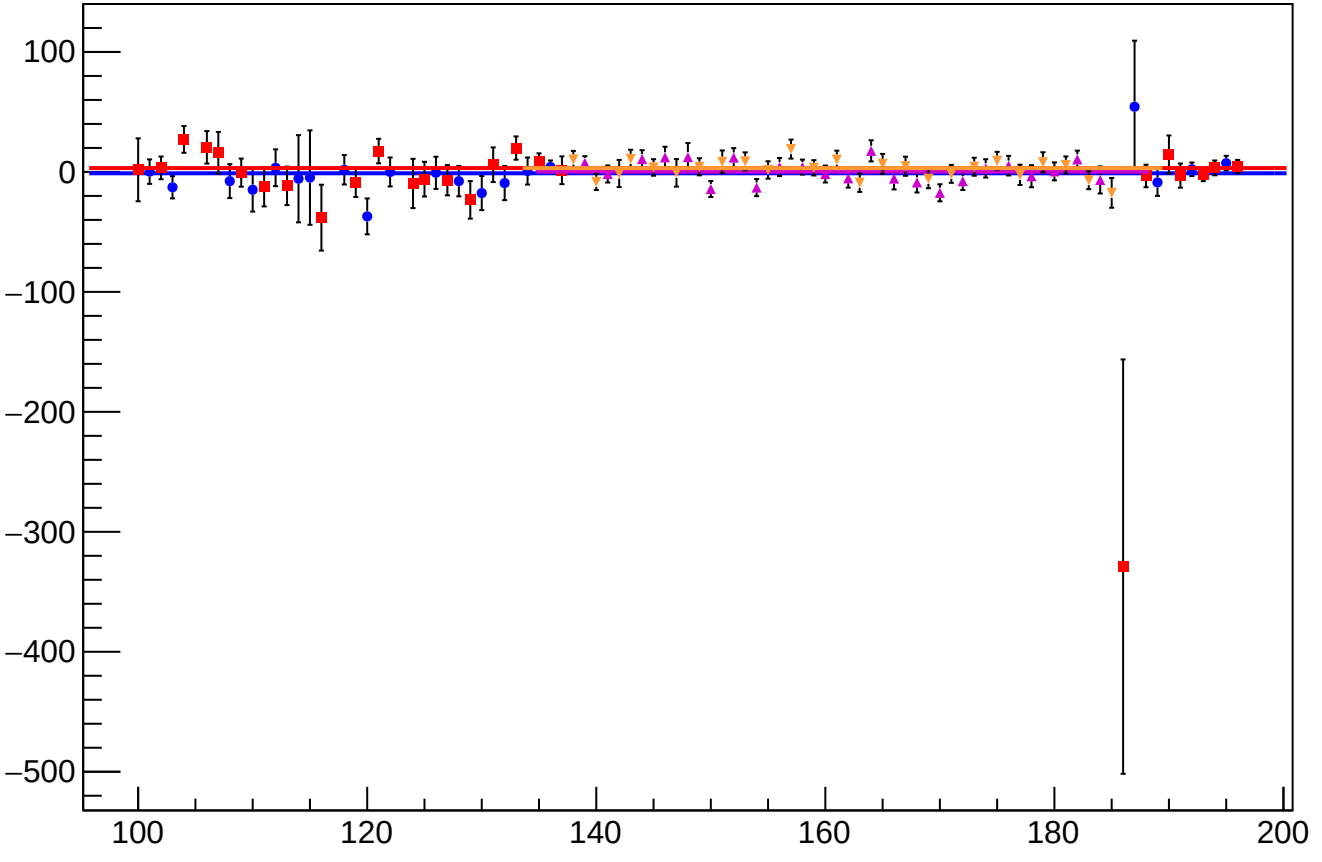
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9512.855+/-1.303 χ^2/NDF: 4583691.7/44

All: 9689.050+/-0.935 χ^2/NDF: 10939245.1/9

- sign 9876.459+/-1.344 χ^2/NDF: 6317813.3/48

diff_bpm4acY_mean vs Slug



Right In: -1.134+/-2.345 χ^2/NDF: 14.9/19

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.220+/-2.051 χ^2/NDF: 27.7/25

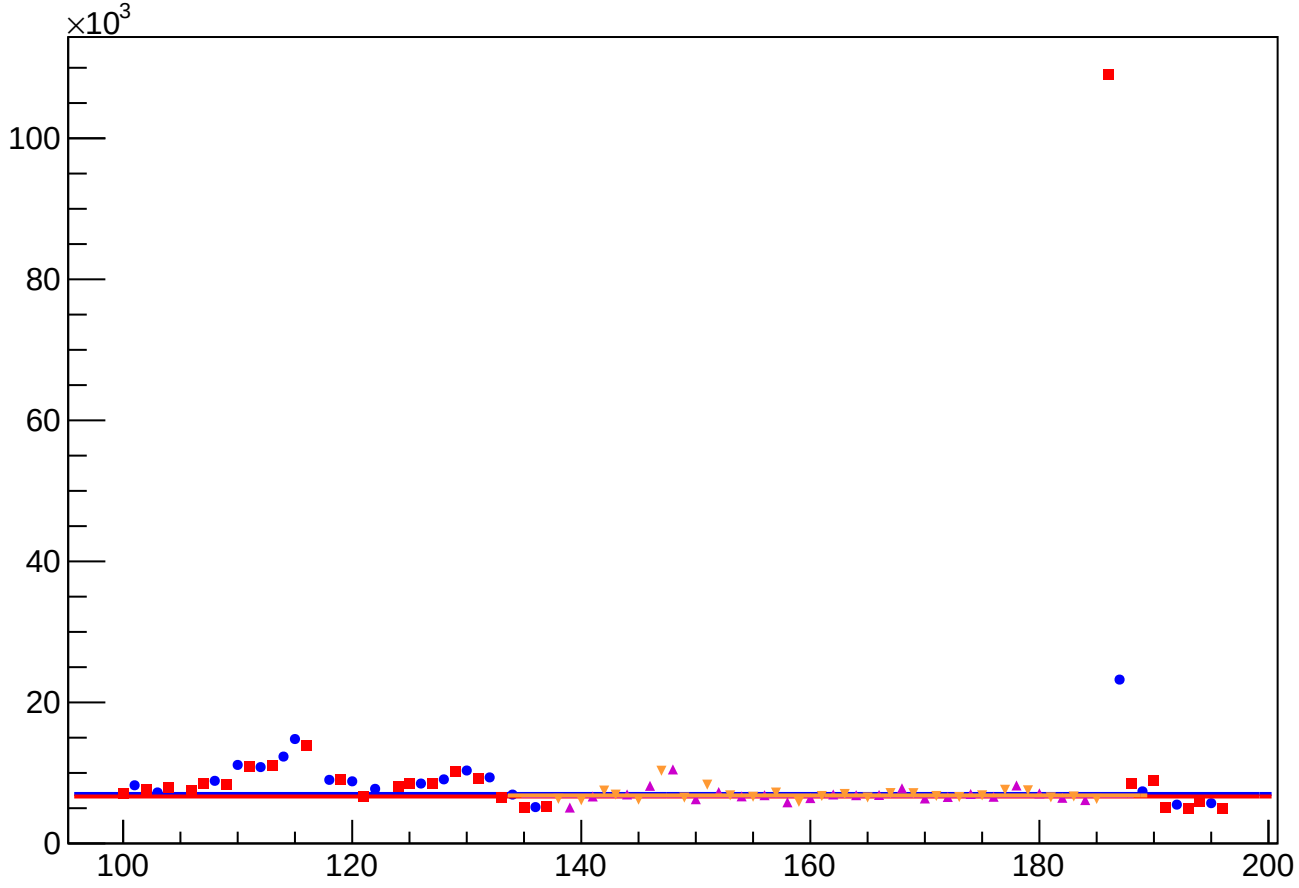
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.848+/-1.300 χ^2/NDF: 38.9/44

All: 1.605+/-0.903 χ^2/NDF: 102.2/93

- sign 1.377+/-1.257 χ^2/NDF: 63.2/48

diff_bpm4acY_rms vs Slug



Right In: 7018.211+/-1.658 χ^2/NDF: 1383012.3/19

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6657.901+/-1.450 χ^2/NDF: 2273952.5/25

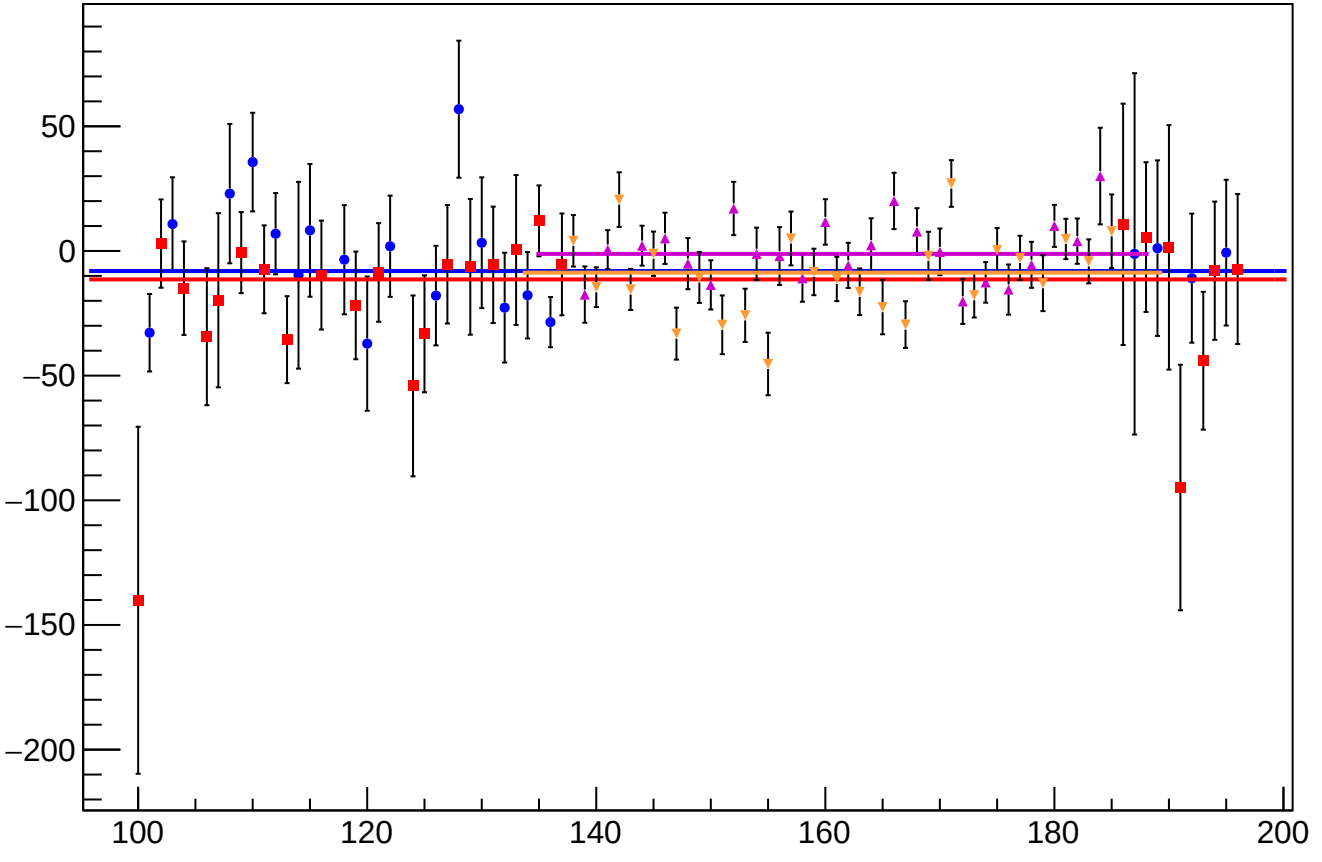
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6876.041+/-0.919 χ^2/NDF: 1788247.8/44

All: 6785.872+/-0.639 χ^2/NDF: 4692309.8/93

- sign 6701.595+/-0.889 χ^2/NDF: 2885443.4/48

diff_bpm4ecX_mean vs Slug



Right In: -8.049+/-4.622 χ^2/NDF: 23.4/19

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.403+/-4.586 χ^2/NDF: 17.8/25

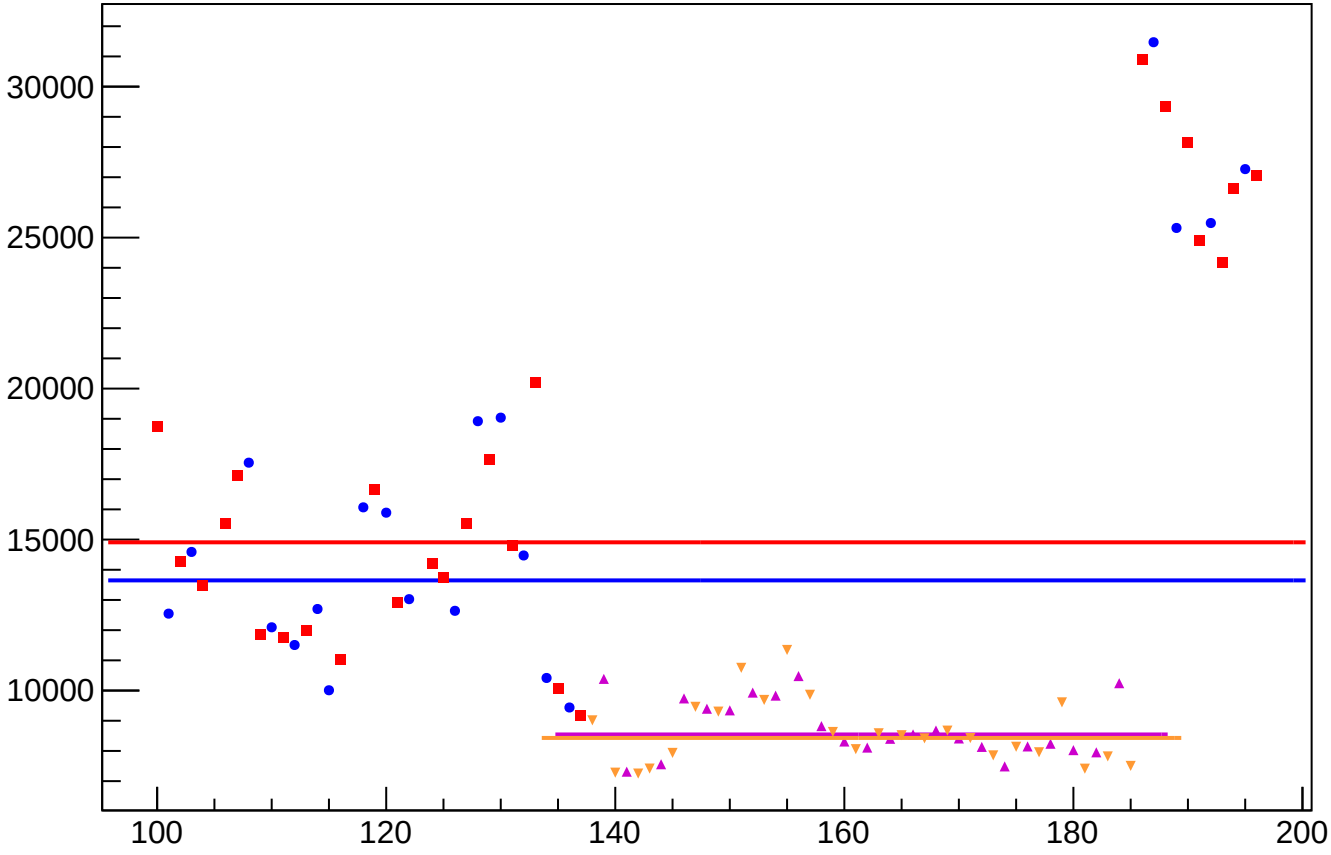
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.596+/-1.786 χ^2/NDF: 84.8/44

All: -5.802+/-1.282 χ^2/NDF: 140.4/93

- sign -2.825+/-1.843 χ^2/NDF: 50.6/48

diff_bpm4ecX_rms vs Slug



Right In: 13648.115+/-3.268 χ^2/NDF: 1958028.5/19

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 14908.947+/-3.243 χ^2/NDF: 2612465.0/25

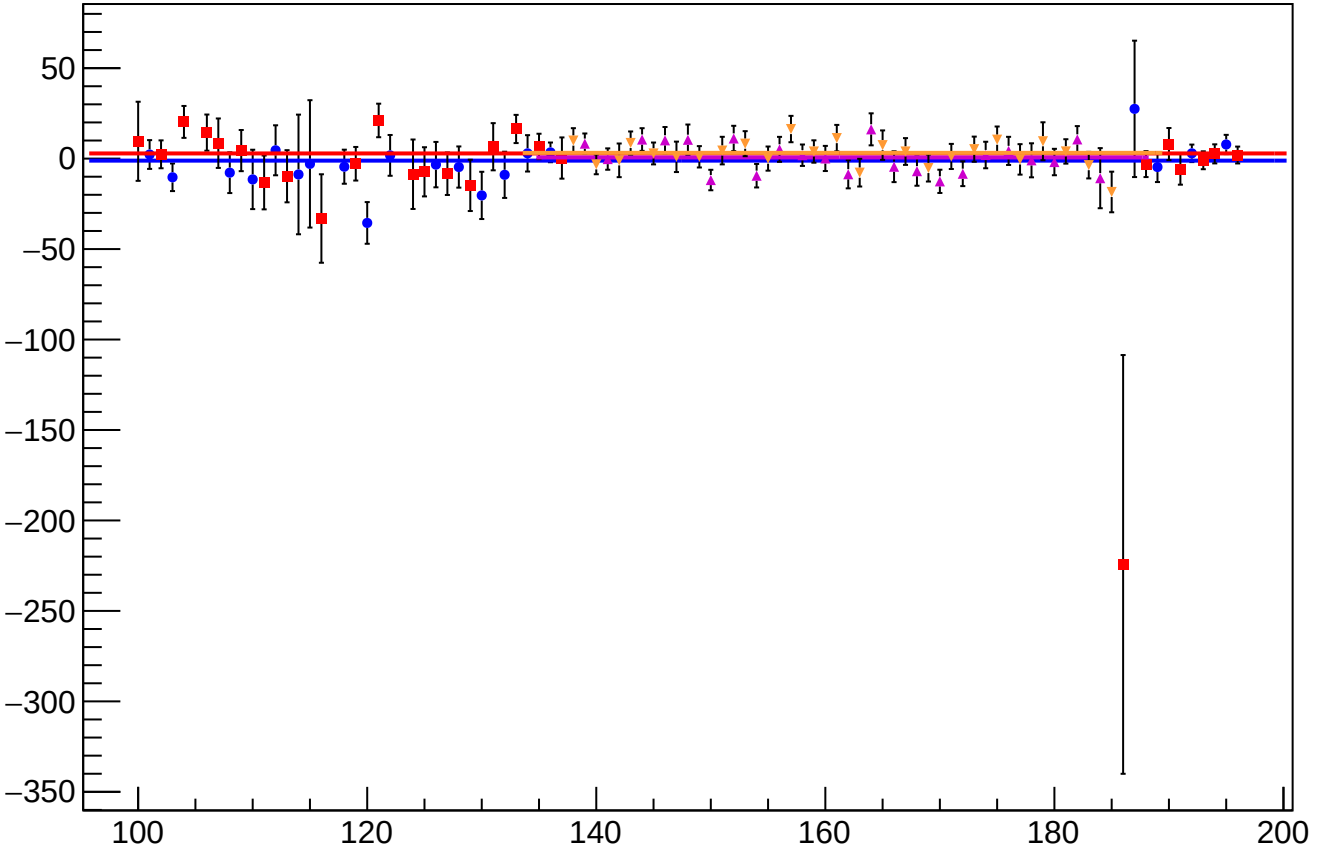
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9209.620+/-1.263 χ^2/NDF: 4610931.7/44

All: 9385.565+/-0.907 χ^2/NDF: 10881994.9/9

- sign 9572.918+/-1.303 χ^2/NDF: 6230975.7/48

diff_bpm4ecY_mean vs Slug



Right In: -1.114+/-2.036 χ^2/NDF: 19.5/19

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 2.860+/-1.744 χ^2/NDF: 27.2/25

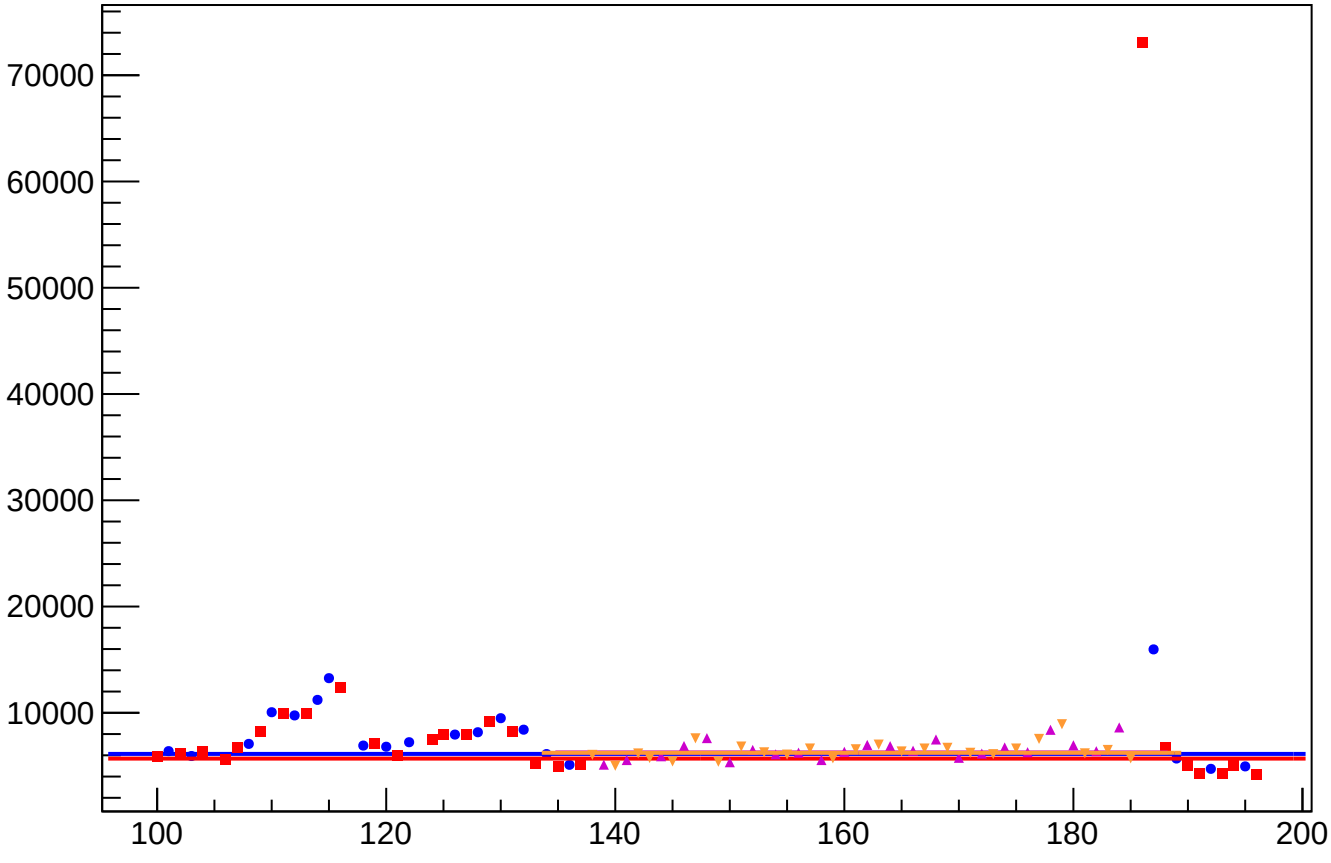
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.759+/-1.173 χ^2/NDF: 41.2/44

All: 1.659+/-0.814 χ^2/NDF: 101.2/93

- sign 1.567+/-1.129 χ^2/NDF: 60.0/48

diff_bpm4ecY_rms vs Slug



Right In: 6131.722+/-1.440 χ^2/NDF: 1219870.8/19

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

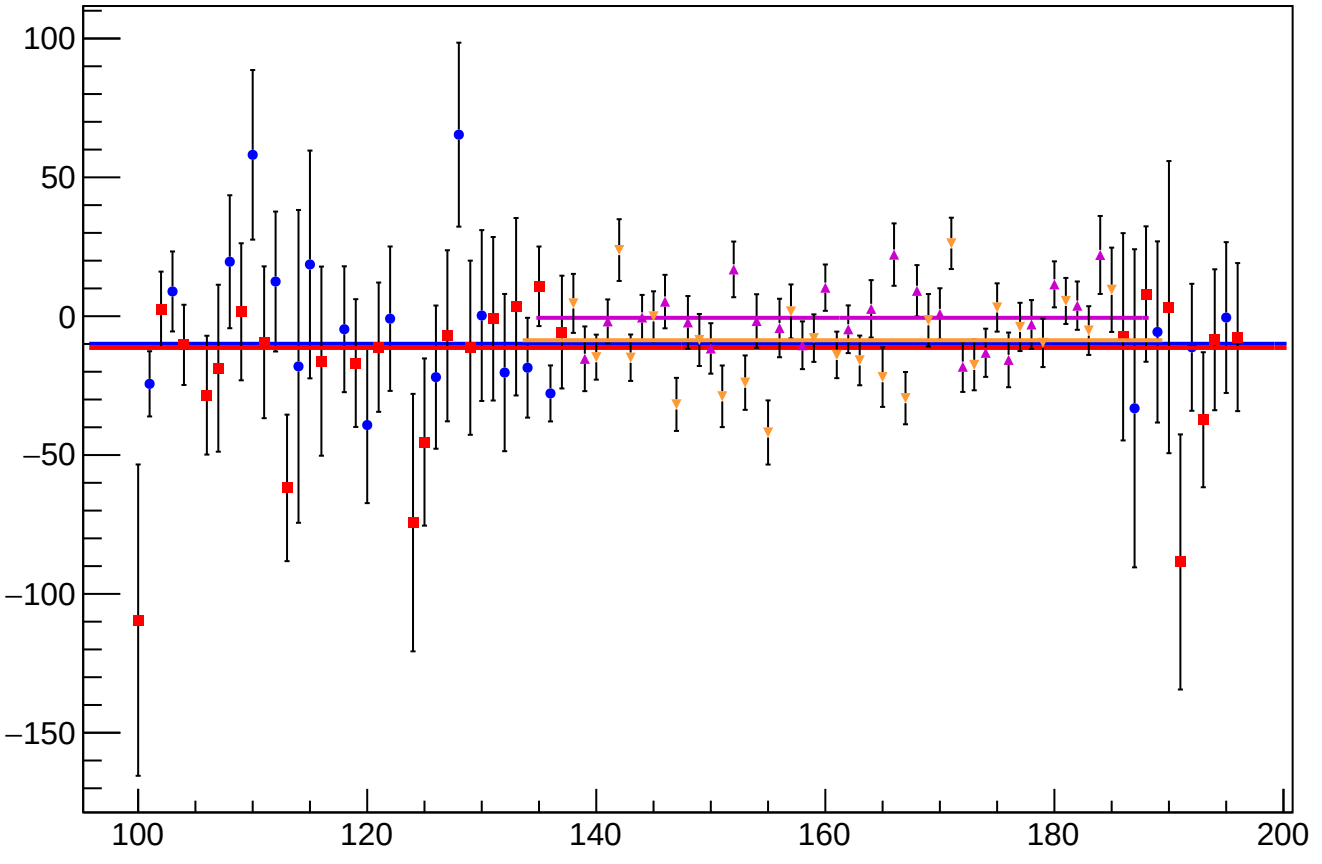
Right Out: 5691.893+/-1.234 χ^2/NDF: 2224711.2/25

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6202.696+/-0.829 χ^2/NDF: 1731233.3/44

All: 6111.374+/-0.575 χ^2/NDF: 4630460.8/93

- sign 6026.709+/-0.799 χ^2/NDF: 2875862.3/48



Right In: -9.929+/-4.754 χ^2/NDF: 21.6/19

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -11.439+/-4.778 χ^2/NDF: 19.5/25

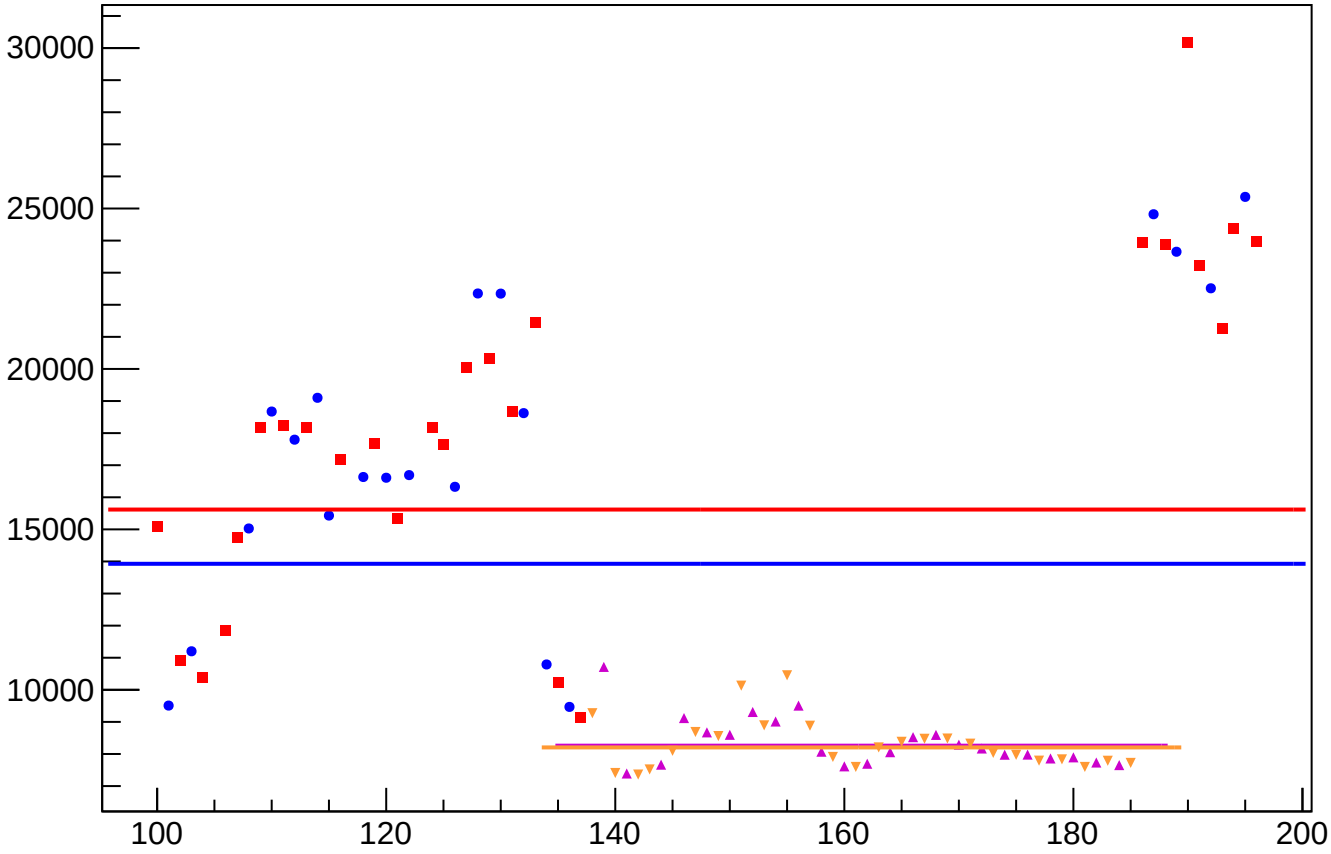
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.822+/-1.744 χ^2/NDF: 84.7/44

All: -5.569+/-1.251 χ^2/NDF: 144.3/93

- sign -2.118+/-1.797 χ^2/NDF: 52.4/48

diff_bpm1X_rms vs Slug



Right In: 13927.292+/-3.362 χ^2/NDF: 2234166.4/19

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 15617.978+/-3.379 χ^2/NDF: 2401799.5/25

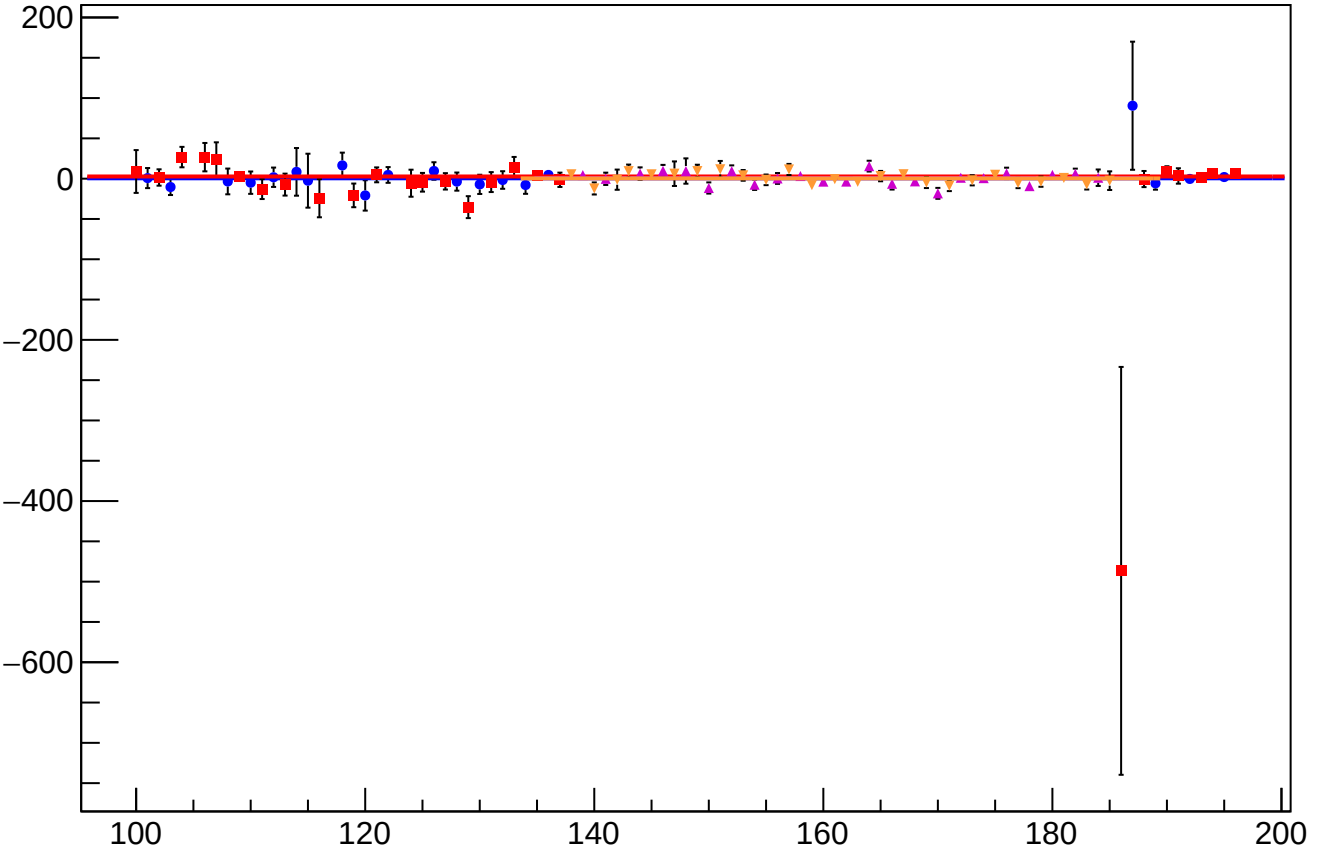
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8974.810+/-1.233 χ^2/NDF: 5014757.2/44

All: 9132.385+/-0.885 χ^2/NDF: 11780881.1/9

- sign 9299.536+/-1.270 χ^2/NDF: 6732489.9/48

diff_bpm1Y_mean vs Slug



Right In: 0.459+/-2.080 χ^2/NDF: 8.8/19

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.715+/-1.746 χ^2/NDF: 28.4/25

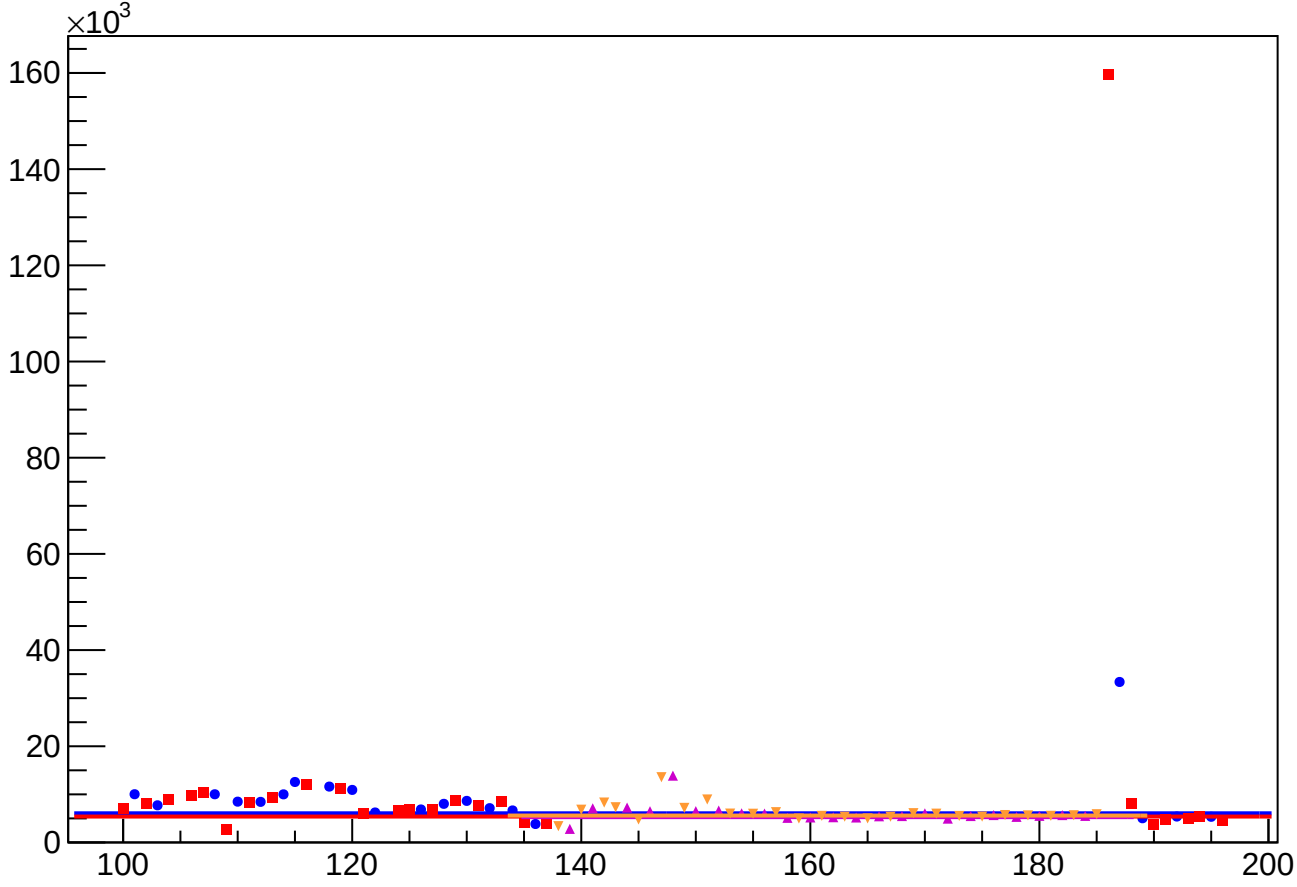
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.384+/-1.115 χ^2/NDF: 30.3/44

All: 0.938+/-0.760 χ^2/NDF: 89.9/93

- sign 1.418+/-1.038 χ^2/NDF: 59.1/48

diff_bpm1Y_rms vs Slug



Right In: 6063.275+/-1.471 χ^2/NDF: 2124582.9/19

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5386.201+/-1.235 χ^2/NDF: 3667834.1/25

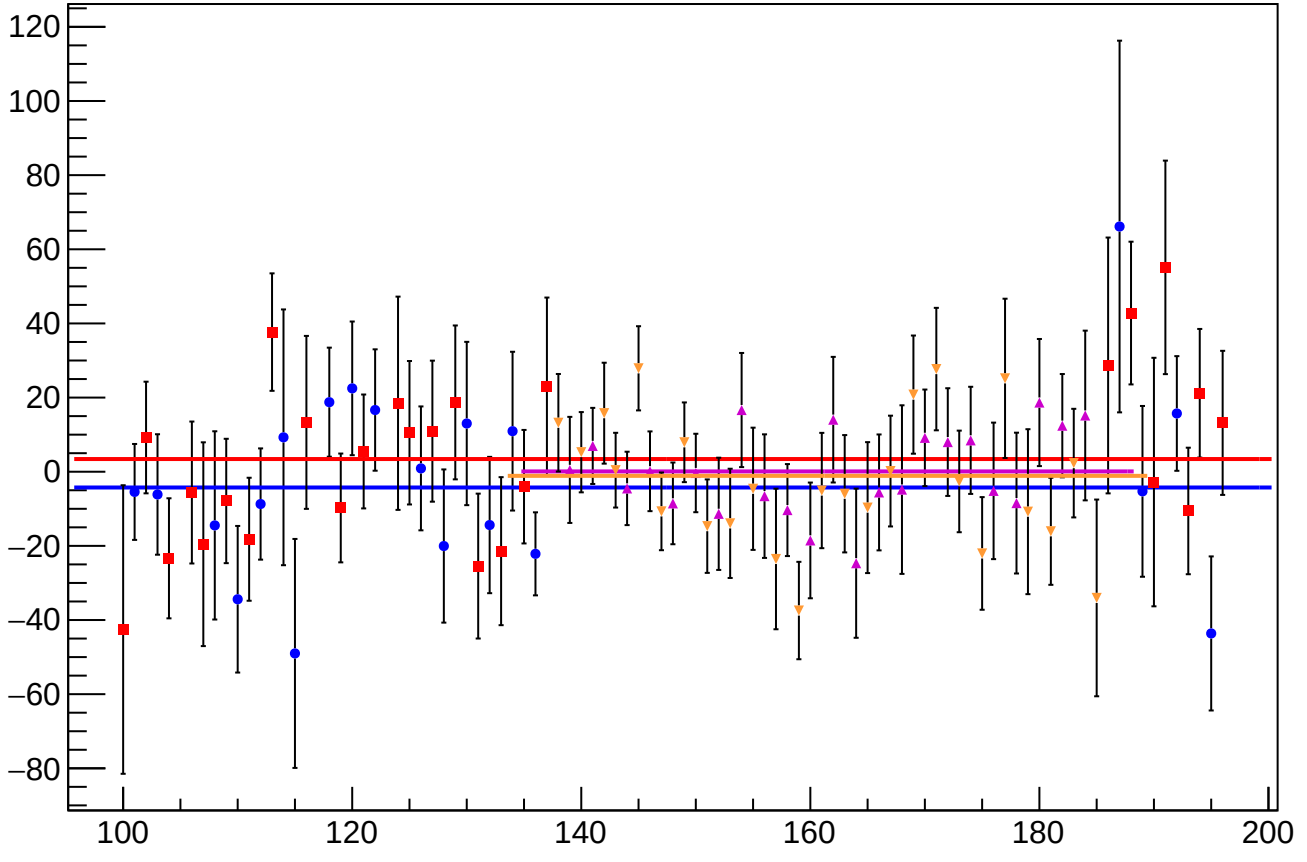
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5729.354+/-0.789 χ^2/NDF: 3981223.8/44

All: 5502.714+/-0.537 χ^2/NDF: 10235211.9/9

- sign 5306.397+/-0.734 χ^2/NDF: 6099901.5/48

diff_bpm11X_mean vs Slug



Right In: -4.253+/-4.032 χ^2/NDF: 23.0/19

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

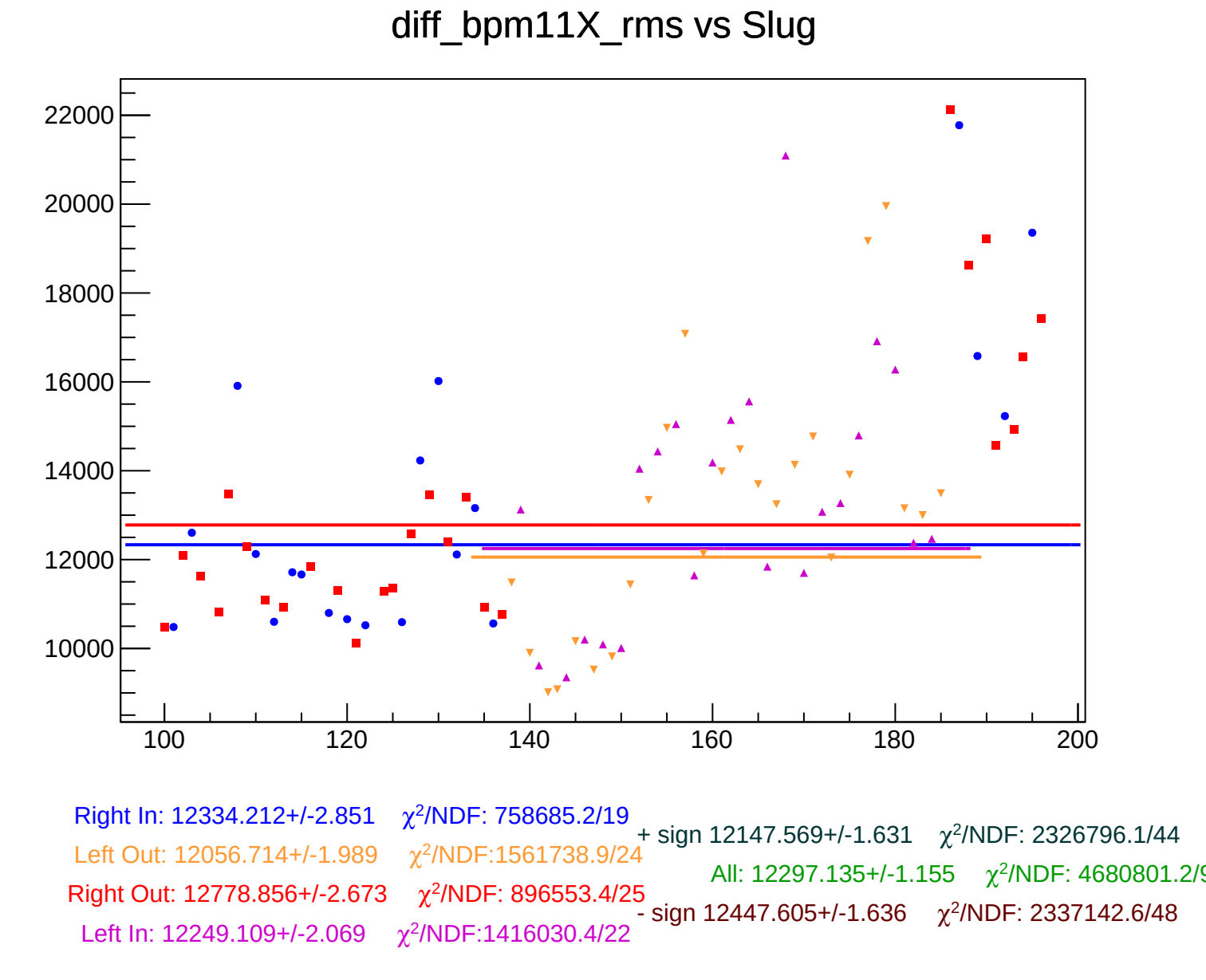
Right Out: 3.423+/-3.780 χ^2/NDF: 28.7/25

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

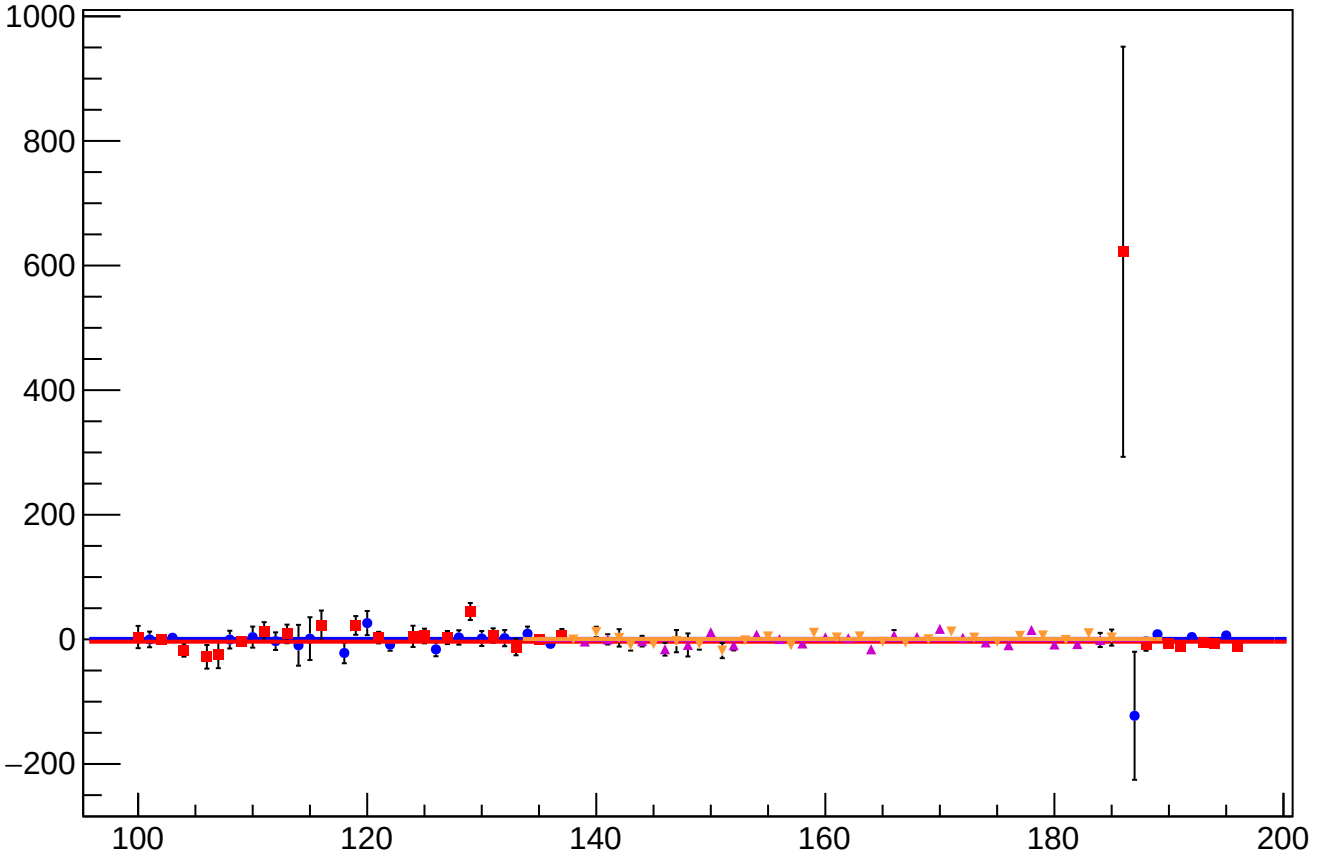
+ sign -2.140+/-2.307 χ^2/NDF: 57.2/44

All: -0.407+/-1.634 χ^2/NDF: 99.0/93

- sign 1.336+/-2.314 χ^2/NDF: 40.7/48


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12334.212+/-2.851 χ²/NDF: 758685.2/19
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12778.856+/-2.673 χ²/NDF: 896553.4/25
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12147.569+/-1.631 χ²/NDF: 2326796.1/44
All: 12297.135+/-1.155 χ²/NDF: 4680801.2/9
- sign 12447.605+/-1.636 χ²/NDF: 2337142.6/48

diff_bpm11Y_mean vs Slug



Right In: 0.760+/-1.954 χ^2/NDF: 15.0/19

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.726+/-1.652 χ^2/NDF: 36.2/25

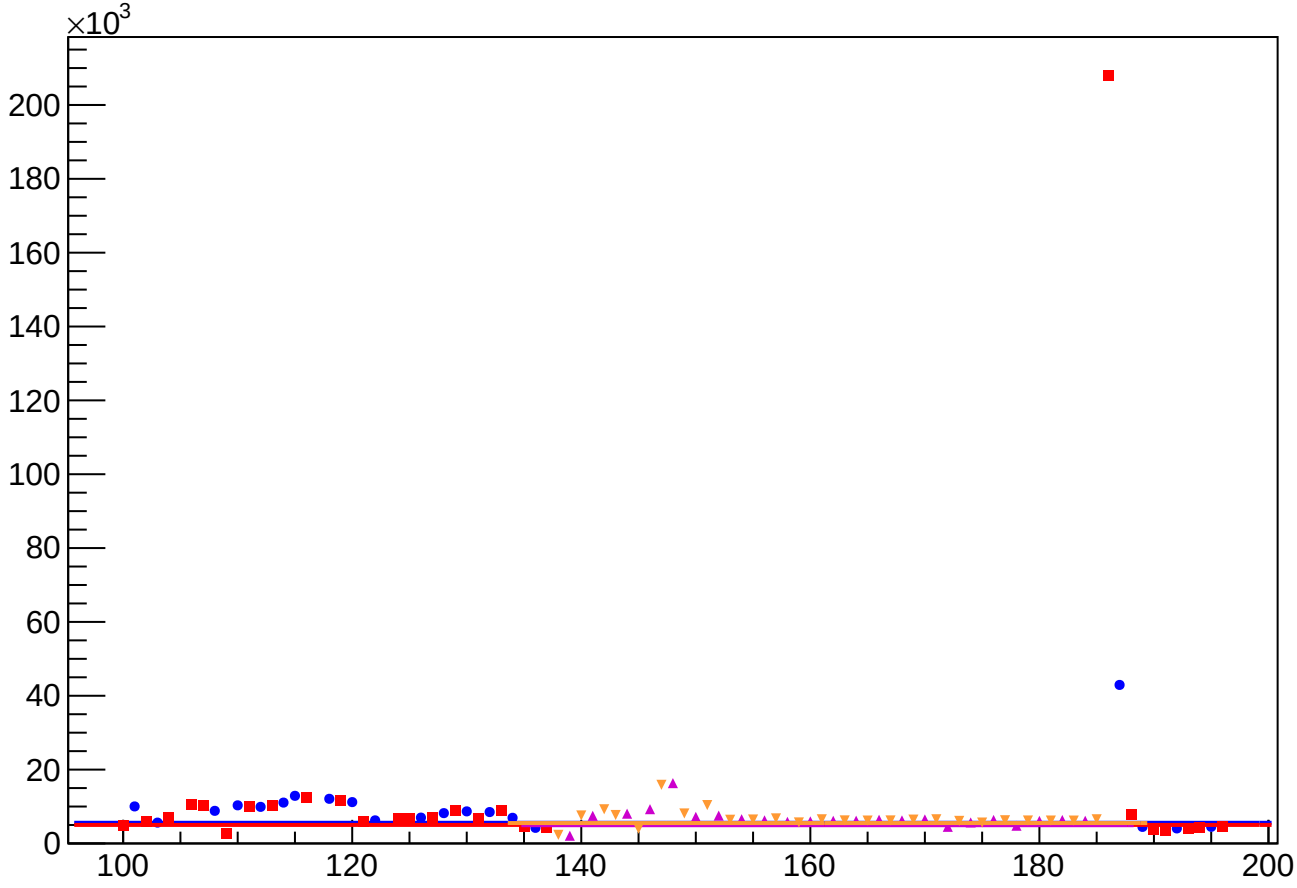
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.603+/-1.121 χ^2/NDF: 36.4/44

All: -0.825+/-0.754 χ^2/NDF: 109.5/93

- sign -2.004+/-1.019 χ^2/NDF: 70.1/48

diff_bpm11Y_rms vs Slug



Right In: 5598.468+/-1.382 χ^2/NDF: 2587836.2/19

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

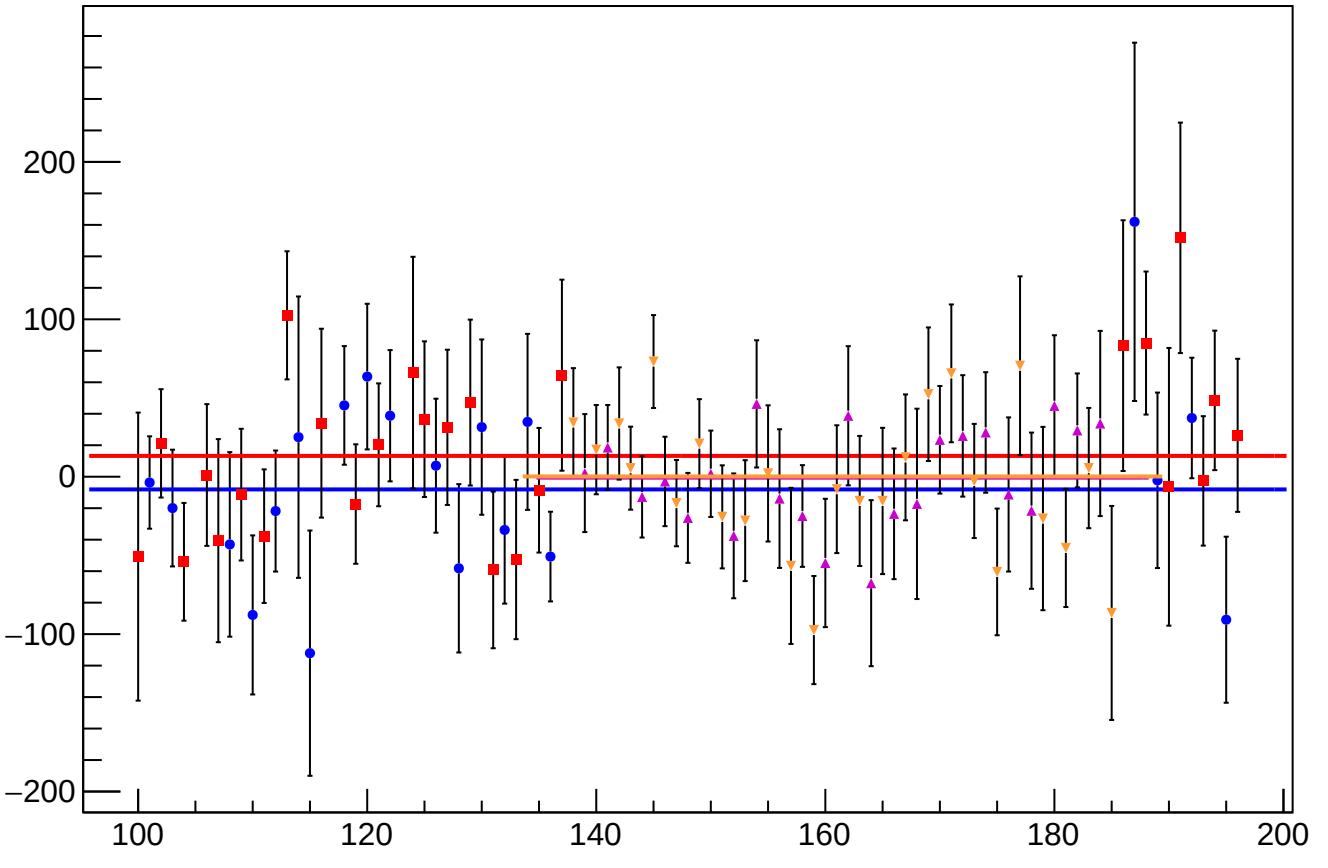
Right Out: 5019.337+/-1.168 χ^2/NDF: 3667873.3/25

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5551.176+/-0.793 χ^2/NDF: 6965304.8/44

All: 5233.652+/-0.533 χ^2/NDF: 16864967.2/9

- sign 4971.418+/-0.720 χ^2/NDF: 9606698.6/48



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

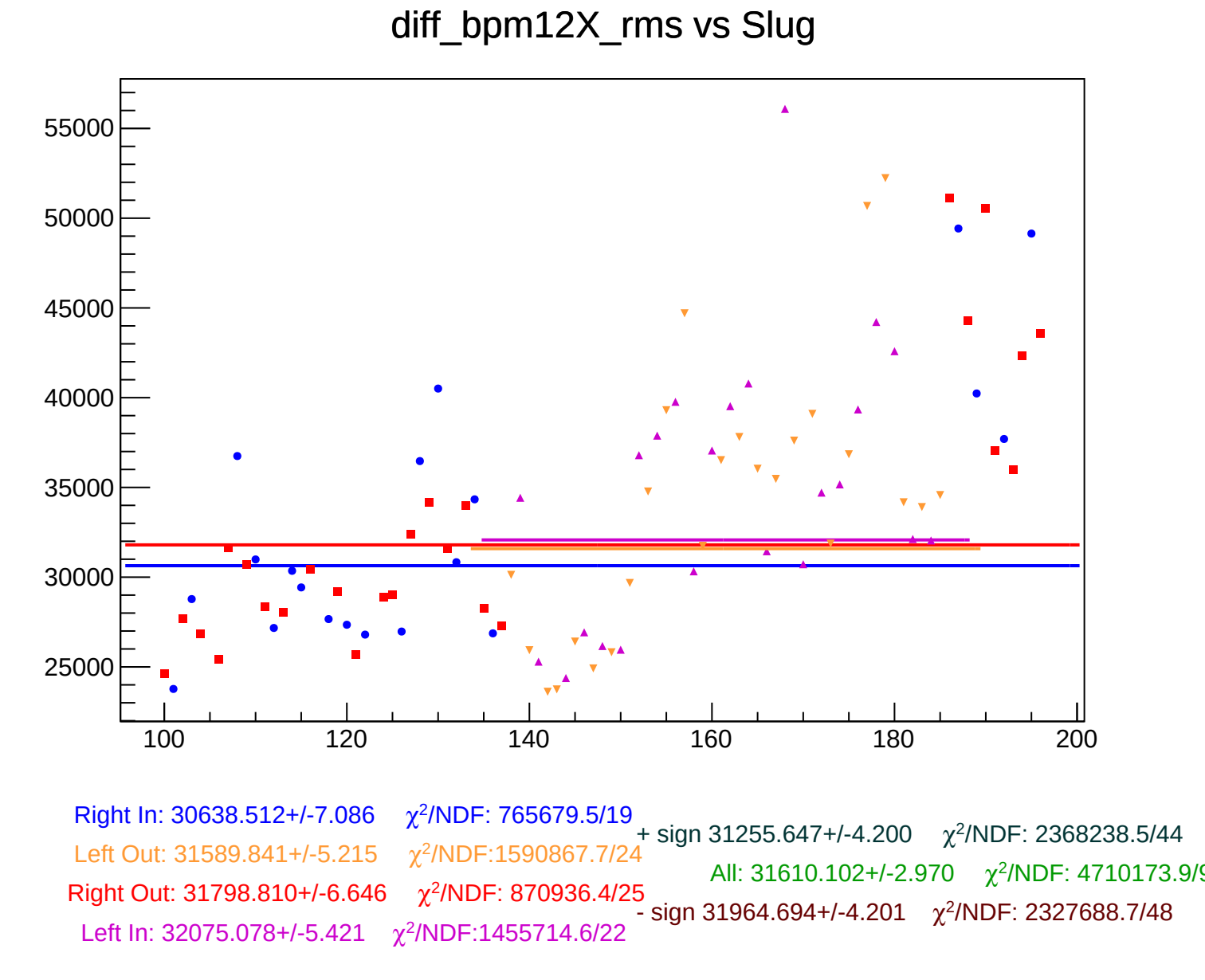
Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

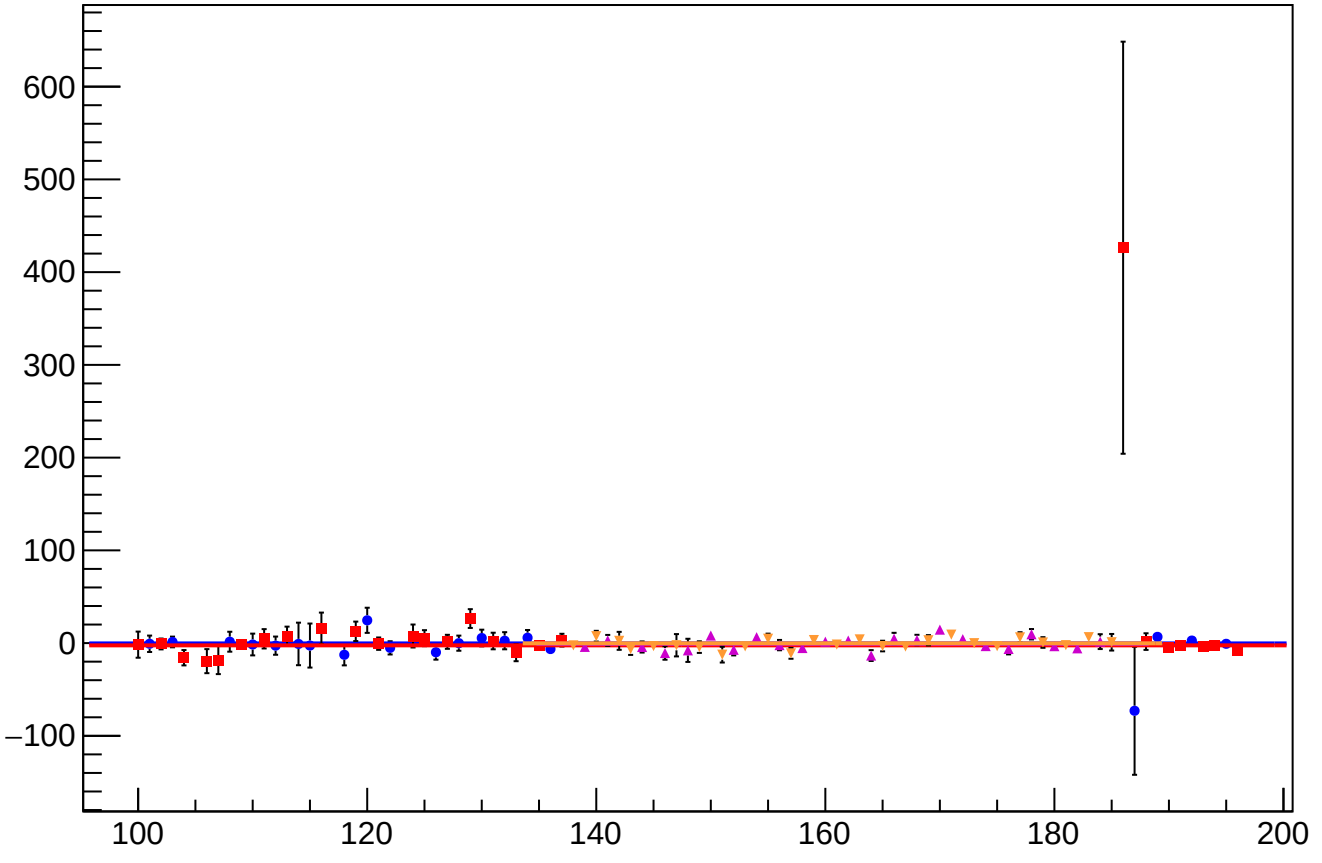
+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 1.103+/-4.201 χ^2/NDF: 93.7/93

- sign 4.932+/-5.941 χ^2/NDF: 39.9/48


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 30638.512+/-7.086 χ²/NDF: 765679.5/19
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 31255.647+/-4.200 χ²/NDF: 2368238.5/44
All: 31610.102+/-2.970 χ²/NDF: 4710173.9/9
- sign 31964.694+/-4.201 χ²/NDF: 2327688.7/48

diff_bpm12Y_mean vs Slug



Right In: -0.348+/-1.374 χ^2/NDF: 15.6/19

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.424+/-1.193 χ^2/NDF: 28.8/25

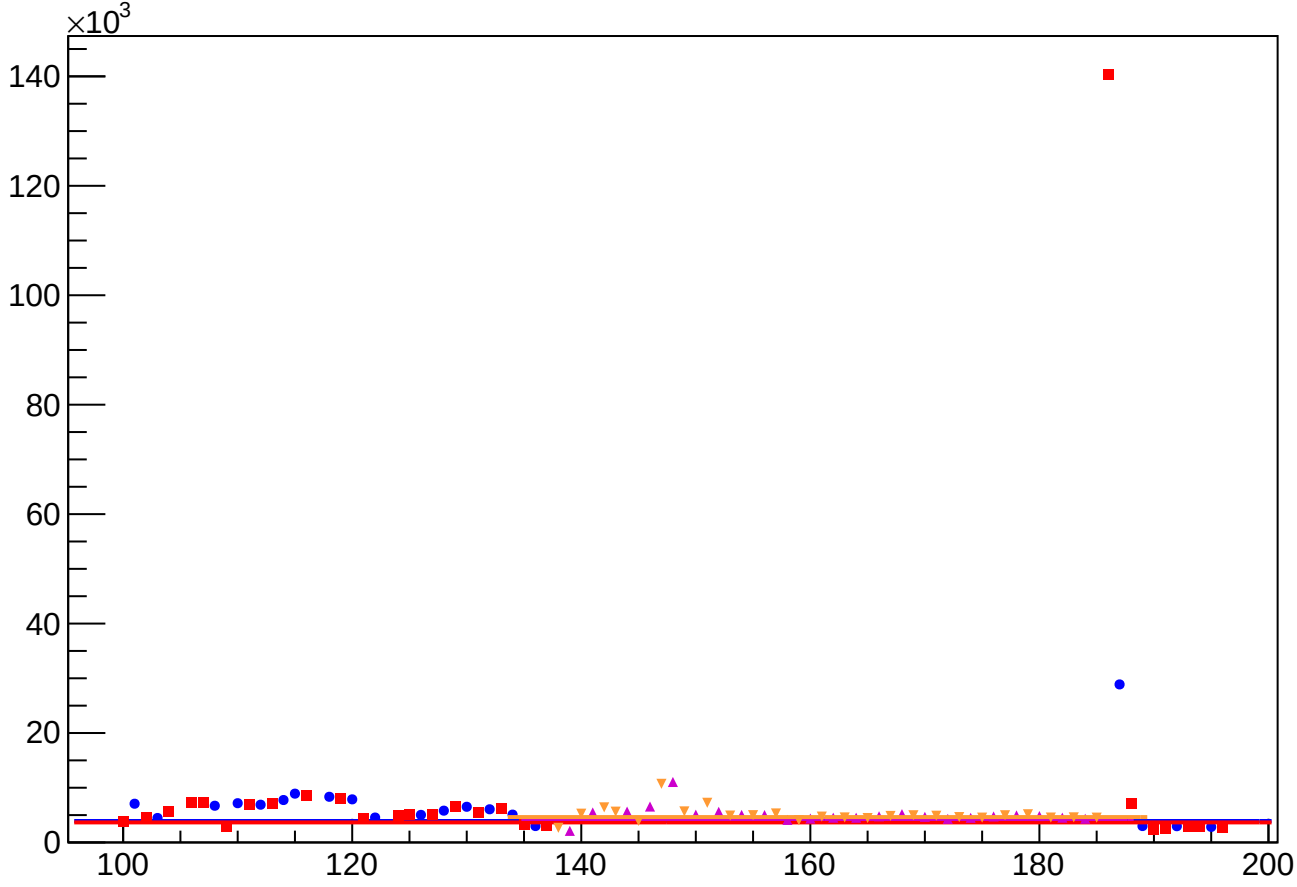
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.273+/-0.856 χ^2/NDF: 35.4/44

All: -0.939+/-0.582 χ^2/NDF: 100.2/93

- sign -1.511+/-0.793 χ^2/NDF: 63.6/48

diff_bpm12Y_rms vs Slug



Right In: 3918.318+/-0.972 χ^2/NDF: 2780922.3/19

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3663.913+/-0.843 χ^2/NDF: 3693336.1/25

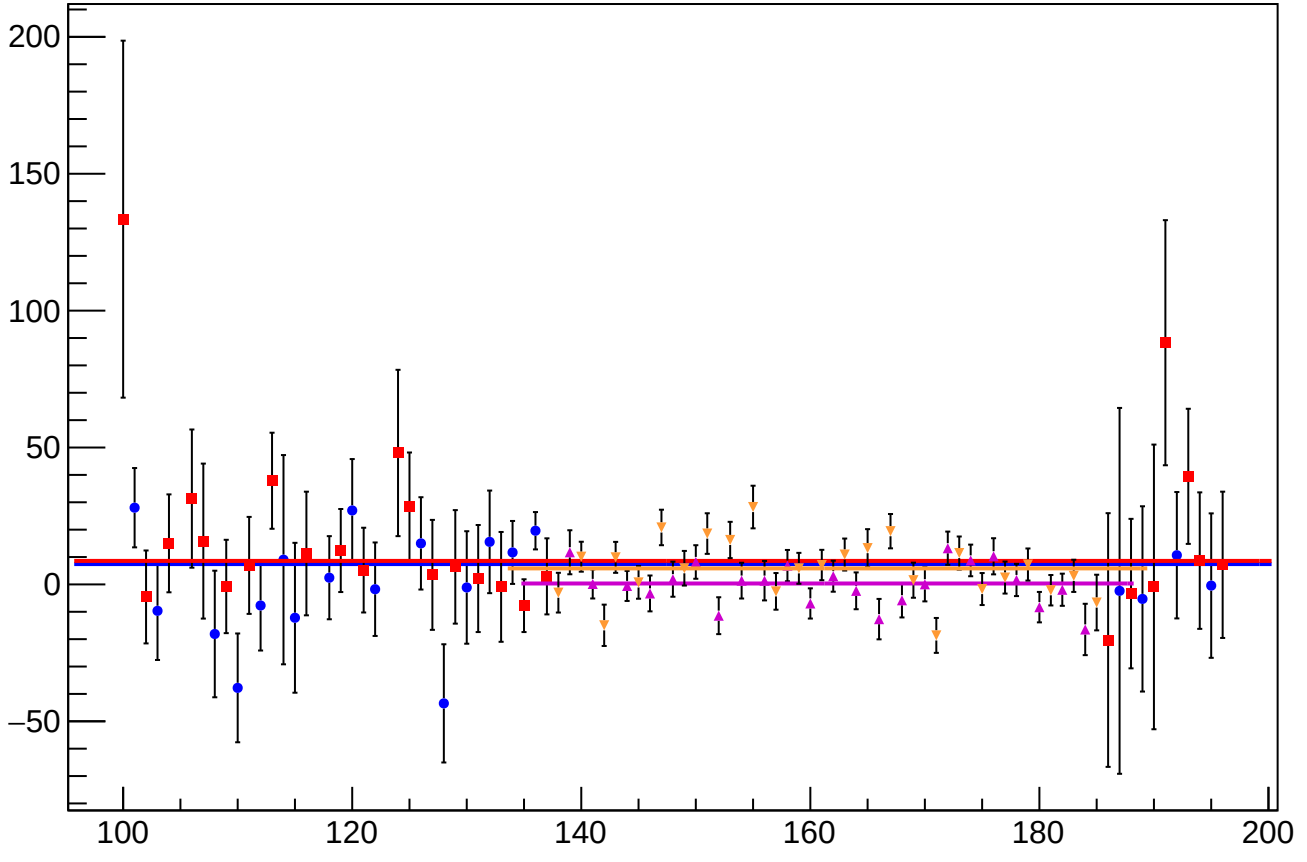
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4358.509+/-0.605 χ^2/NDF: 4879194.1/44

All: 4174.305+/-0.411 χ^2/NDF: 12152978.9/9

- sign 4016.352+/-0.560 χ^2/NDF: 7101710.2/48

diff_bpm16X_mean vs Slug



Right In: 7.428+/-3.702 χ^2/NDF: 21.9/19

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.586+/-3.868 χ^2/NDF: 20.0/25

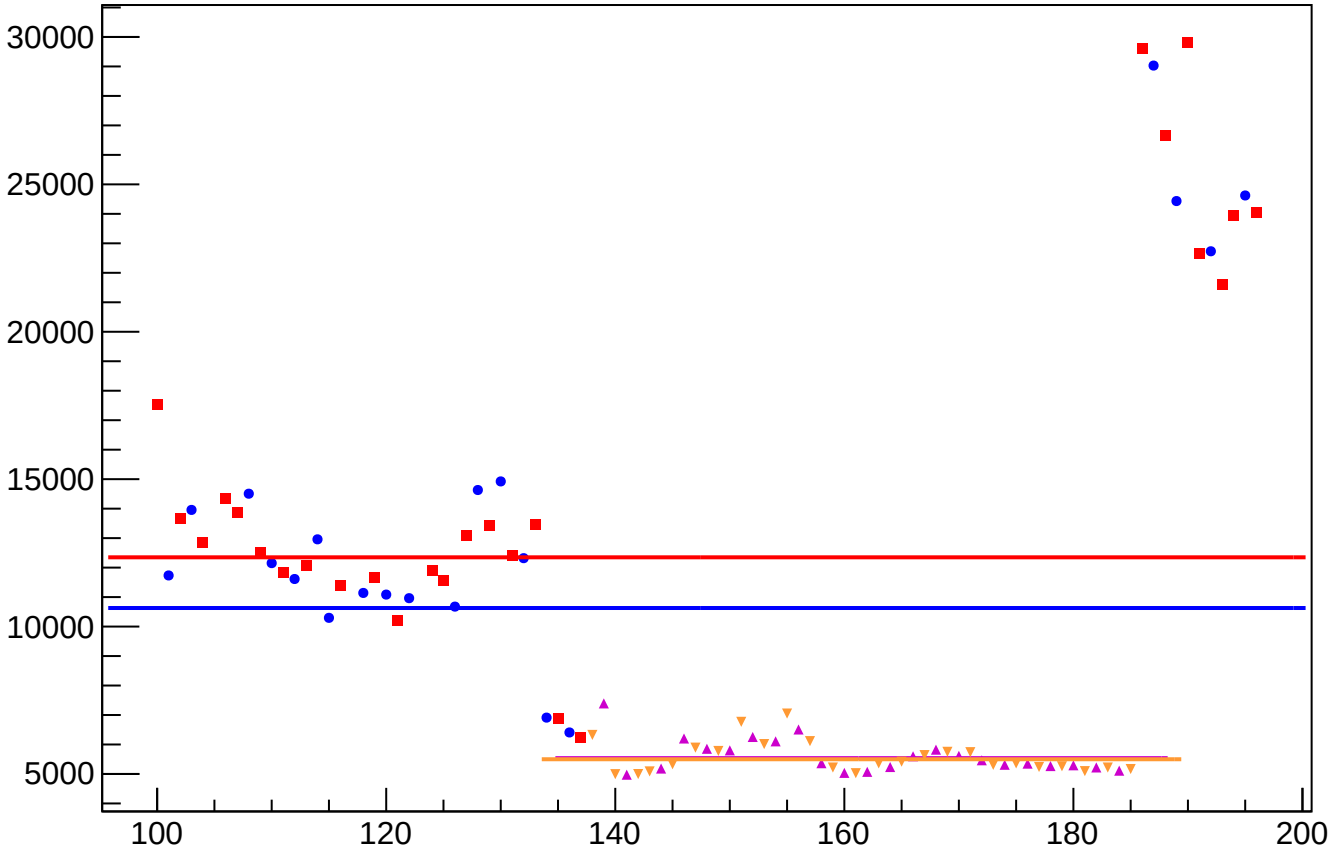
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.012+/-1.191 χ^2/NDF: 82.1/44

All: 3.678+/-0.856 χ^2/NDF: 143.5/93

- sign 1.175+/-1.233 χ^2/NDF: 53.4/48

diff_bpm16X_rms vs Slug



Right In: 10629.503+/-2.618 χ^2/NDF: 2912084.9/19

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

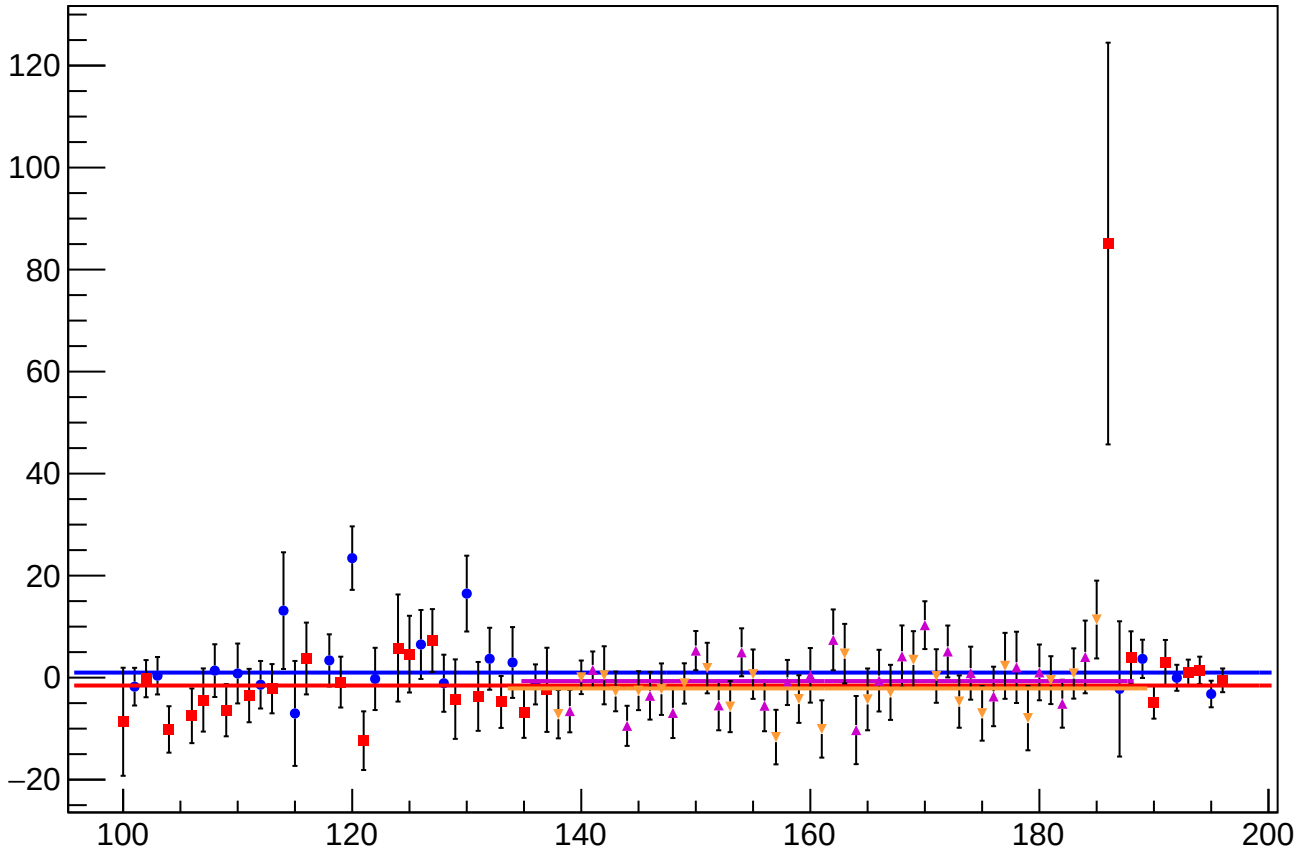
Right Out: 12348.976+/-2.735 χ^2/NDF: 3394193.7/25

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6029.731+/-0.842 χ^2/NDF: 6652671.0/44

All: 6126.285+/-0.606 χ^2/NDF: 15949778.1/9

- sign 6229.824+/-0.872 χ^2/NDF: 9269849.3/48



Right In: 0.989+/-1.036 χ^2/NDF: 25.0/19

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.548+/-0.896 χ^2/NDF: 26.2/25

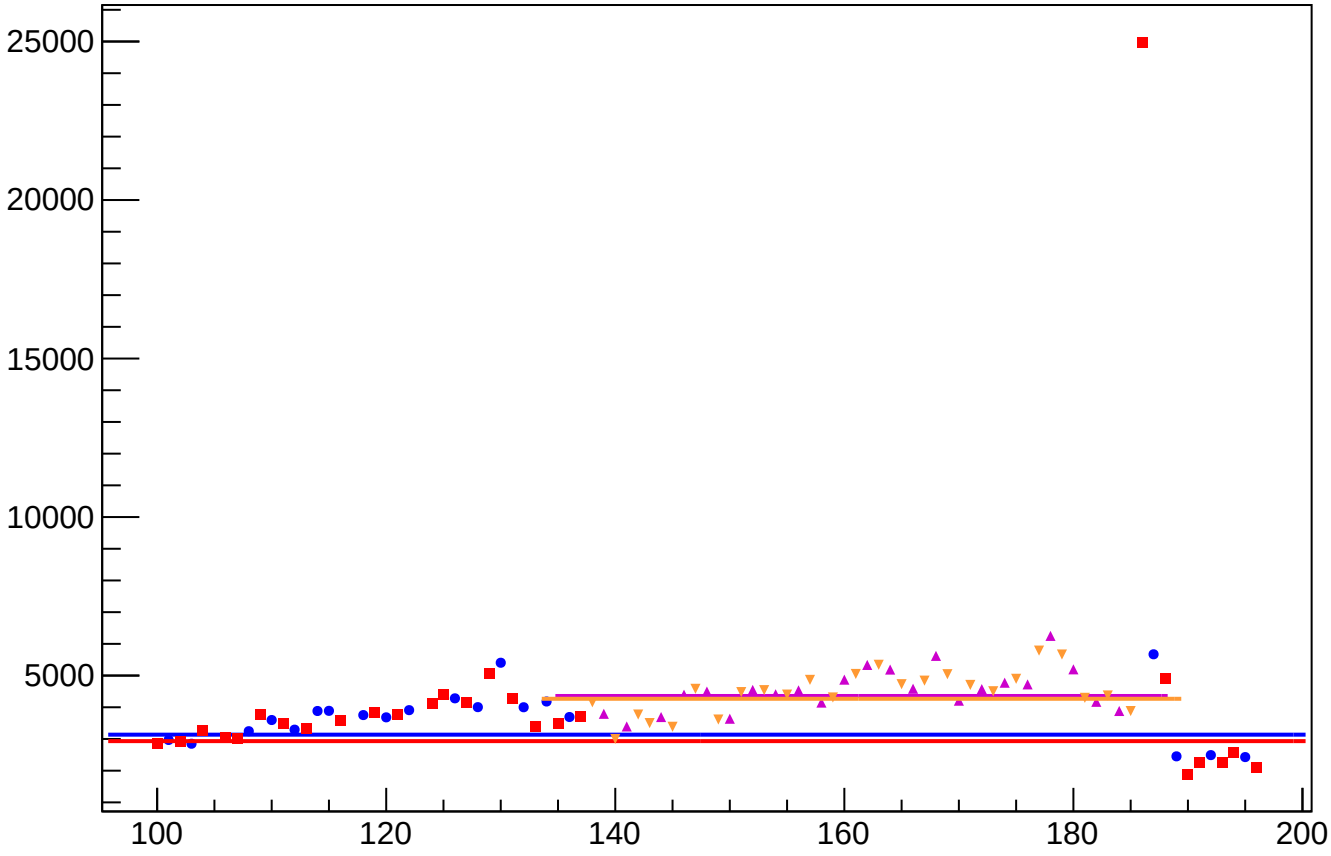
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.639+/-0.715 χ^2/NDF: 47.1/44

All: -0.919+/-0.491 χ^2/NDF: 102.4/93

- sign -1.170+/-0.676 χ^2/NDF: 55.0/48

diff_bpm16Y_rms vs Slug



Right In: 3135.818+/-0.733 χ^2/NDF: 960819.0/19

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2931.971+/-0.633 χ^2/NDF: 2332407.4/25

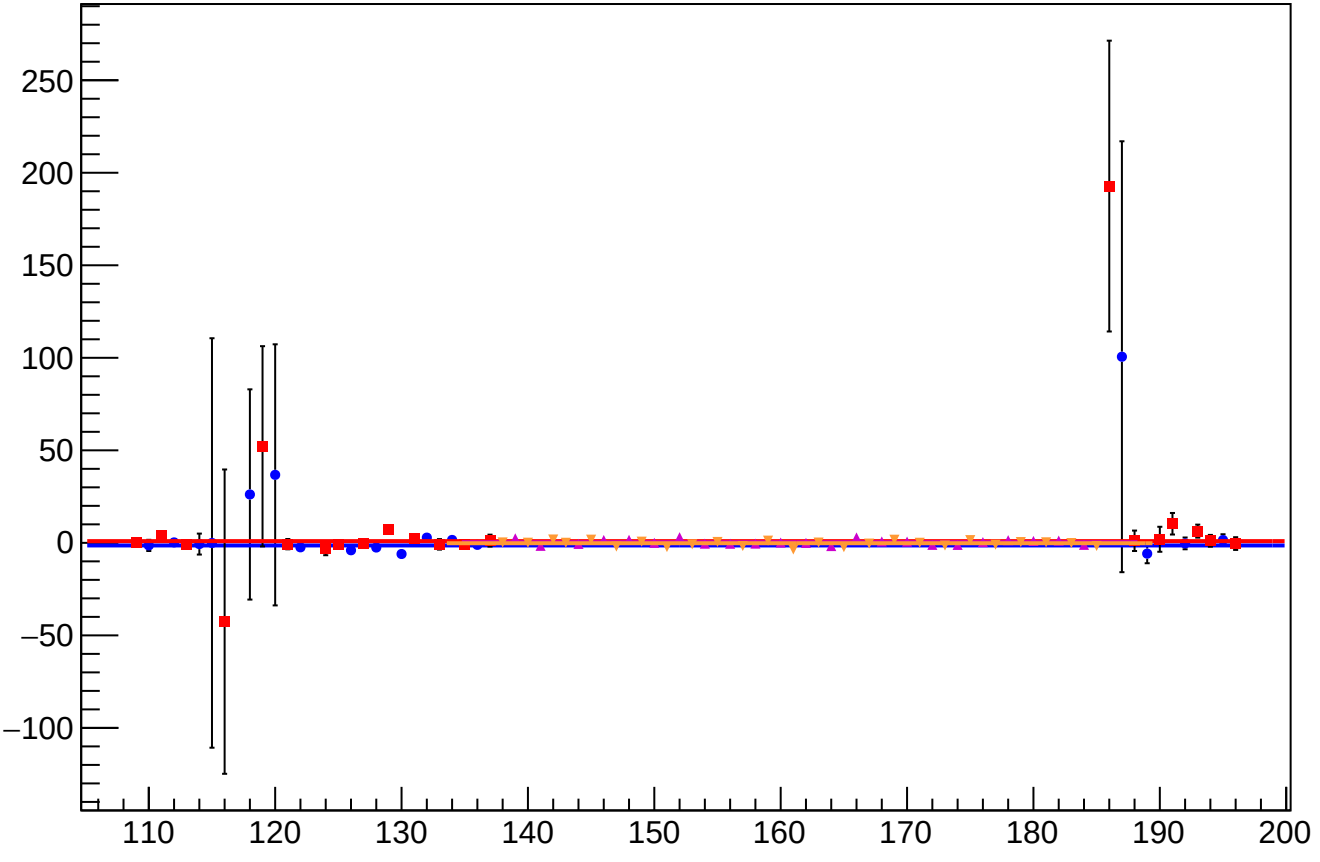
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

\+ sign 3729.228+/-0.505 χ^2/NDF: 3245878.8/44

All: 3631.648+/-0.347 χ^2/NDF: 8566498.8/93

\- sign 3544.377+/-0.478 χ^2/NDF: 5250029.1/48

diff_bpm1p02bX_mean vs Slug



Right In: -1.401+/-0.690 χ^2/NDF: 13.6/16

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.936+/-0.660 χ^2/NDF: 24.0/20

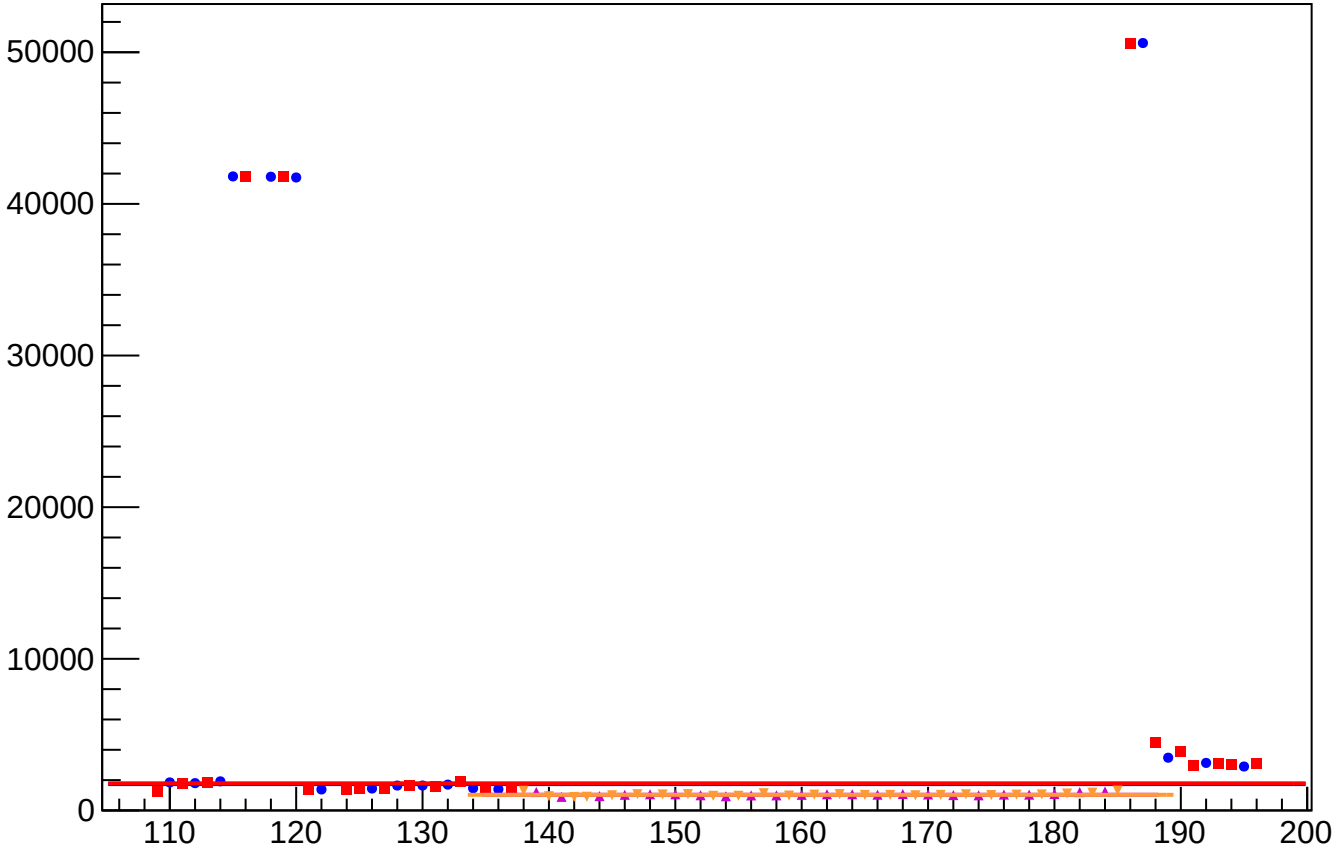
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.326+/-0.223 χ^2/NDF: 50.3/41

All: 0.032+/-0.159 χ^2/NDF: 109.7/85

- sign 0.405+/-0.227 χ^2/NDF: 54.2/43

diff_bpm1p02bX_rms vs Slug



Right In: 1738.433+/-0.488 χ^2/NDF: 3366758.5/16

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1788.032+/-0.467 χ^2/NDF: 4388029.0/20

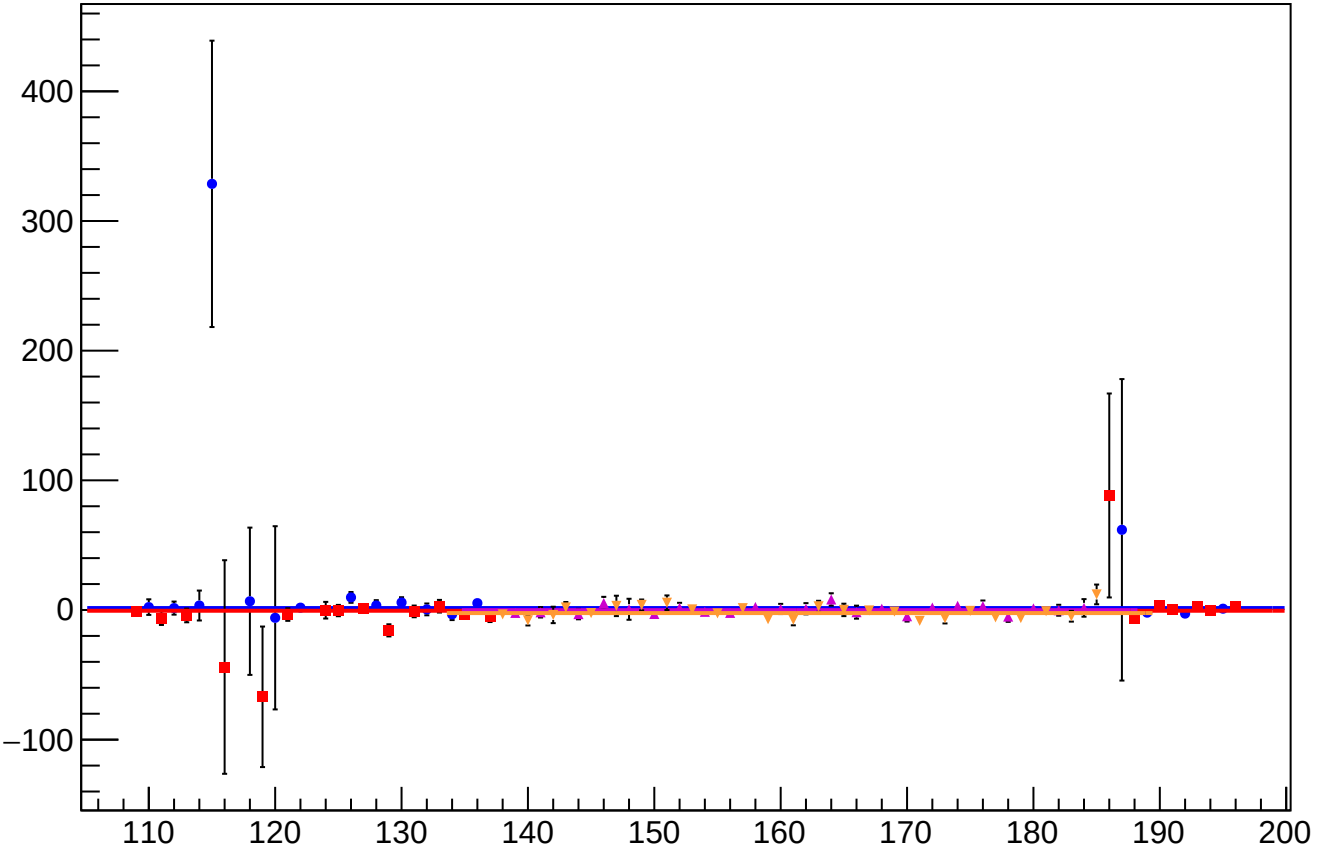
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1105.237+/-0.158 χ^2/NDF: 5491405.1/41

All: 1113.570+/-0.113 χ^2/NDF: 12378522.8/8

- sign 1122.241+/-0.161 χ^2/NDF: 6881413.0/43

diff_bpm1p02bY_mean vs Slug



Right In: 1.489+/-0.914 χ^2/NDF: 24.4/16

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.576+/-0.803 χ^2/NDF: 26.8/20

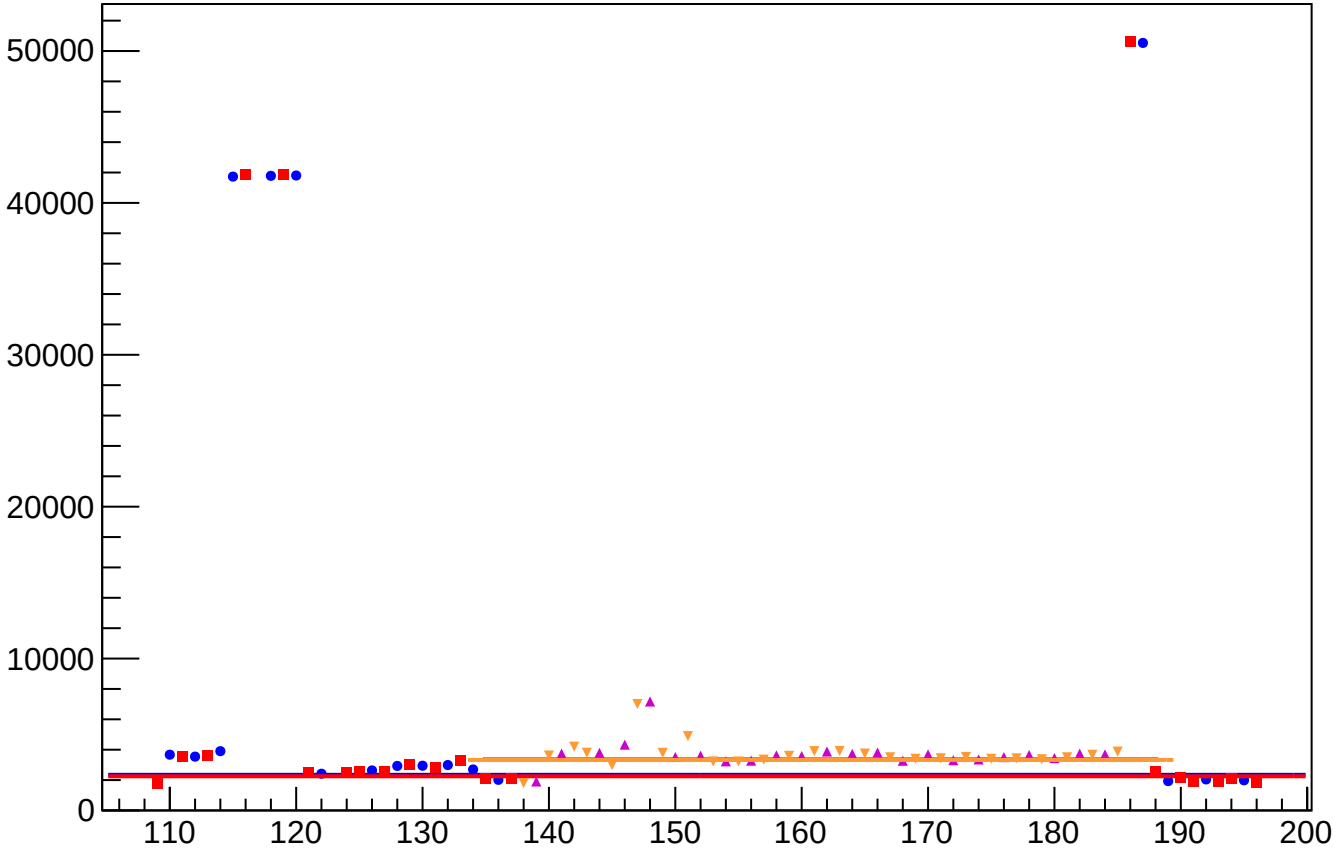
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

\+ sign -0.745+/-0.594 χ^2/NDF: 59.1/41

All: -0.552+/-0.411 χ^2/NDF: 98.8/85

\- sign -0.375+/-0.570 χ^2/NDF: 39.6/43

diff_bpm1p02bY_rms vs Slug



Right In: 2345.812+/-0.646 χ^2/NDF: 2763166.9/16

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2249.564+/-0.567 χ^2/NDF: 2977620.3/20

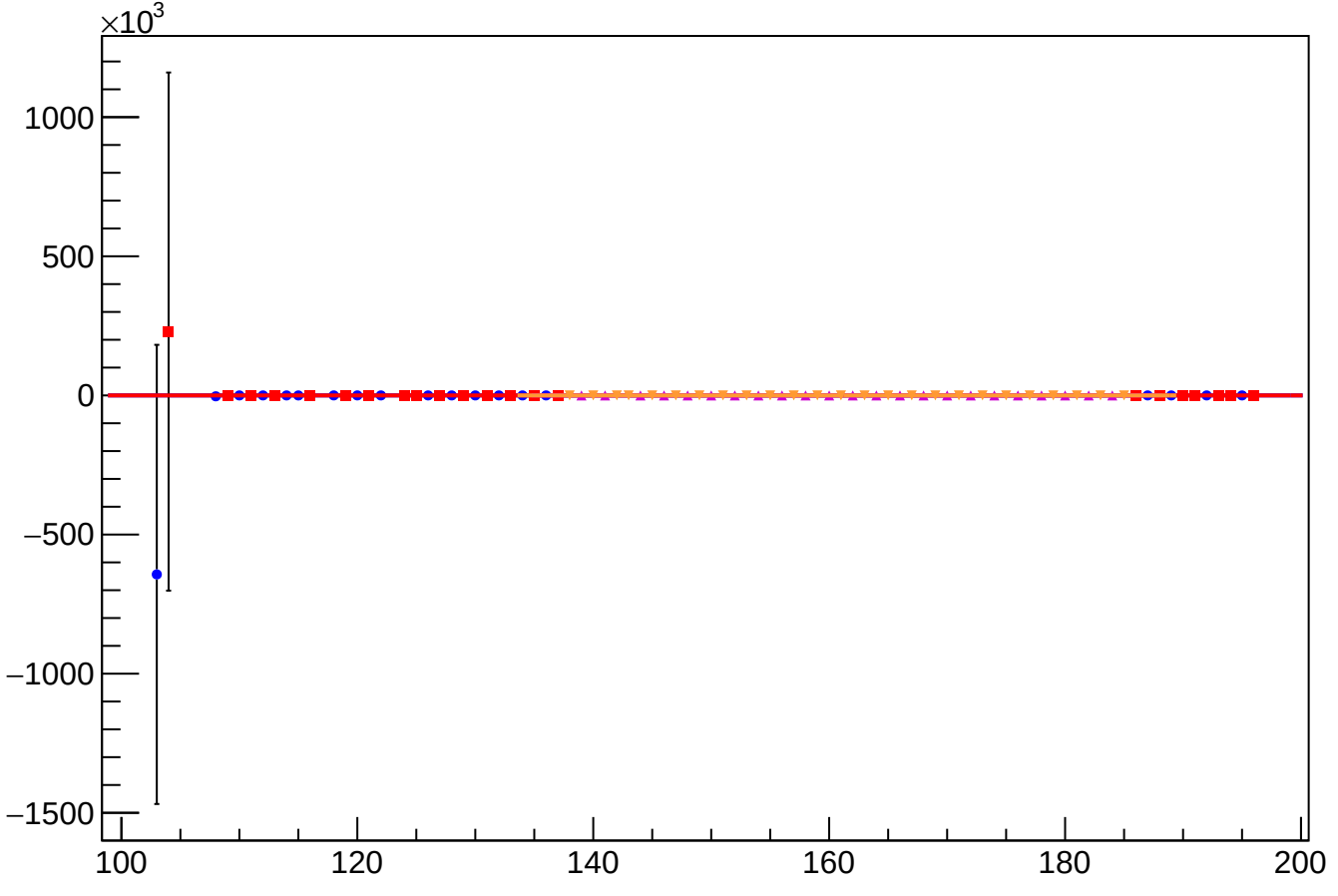
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2912.988+/-0.420 χ^2/NDF: 6012701.7/41

All: 2854.290+/-0.291 χ^2/NDF: 12577665.3/8

- sign 2800.291+/-0.403 χ^2/NDF: 6527497.5/43

diff_bpm1p03aX_mean vs Slug



Right In: -0.925+/-0.869 χ^2/NDF: 20.0/18

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.241+/-0.800 χ^2/NDF: 22.4/21

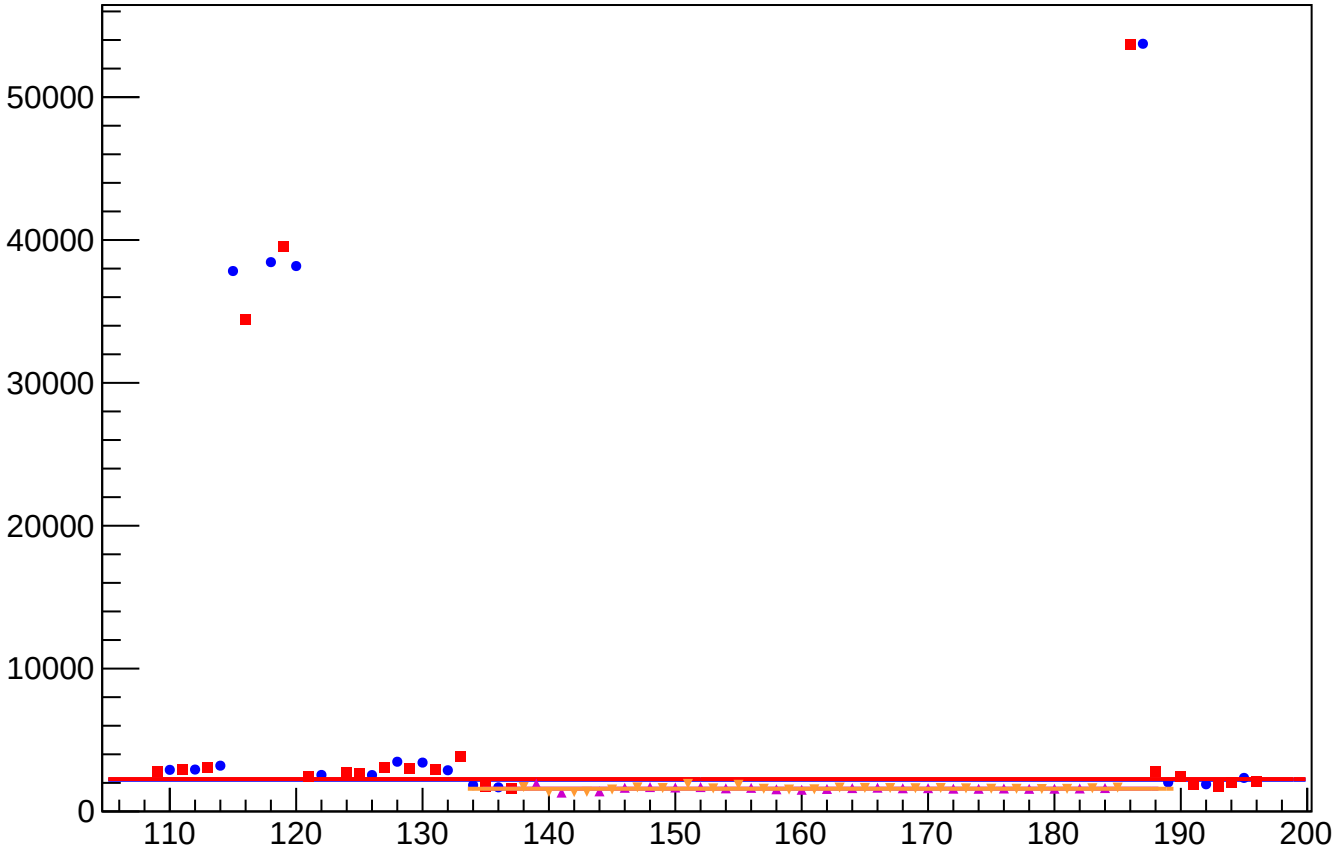
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.477+/-0.335 χ^2/NDF: 70.7/43

All: -0.939+/-0.238 χ^2/NDF: 132.2/88

- sign -0.388+/-0.339 χ^2/NDF: 56.3/44

diff_bpm1p03aX_rms vs Slug



Right In: 2217.729+/-0.615 χ^2/NDF: 2891655.1/16

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2268.811+/-0.566 χ^2/NDF: 3149724.9/20

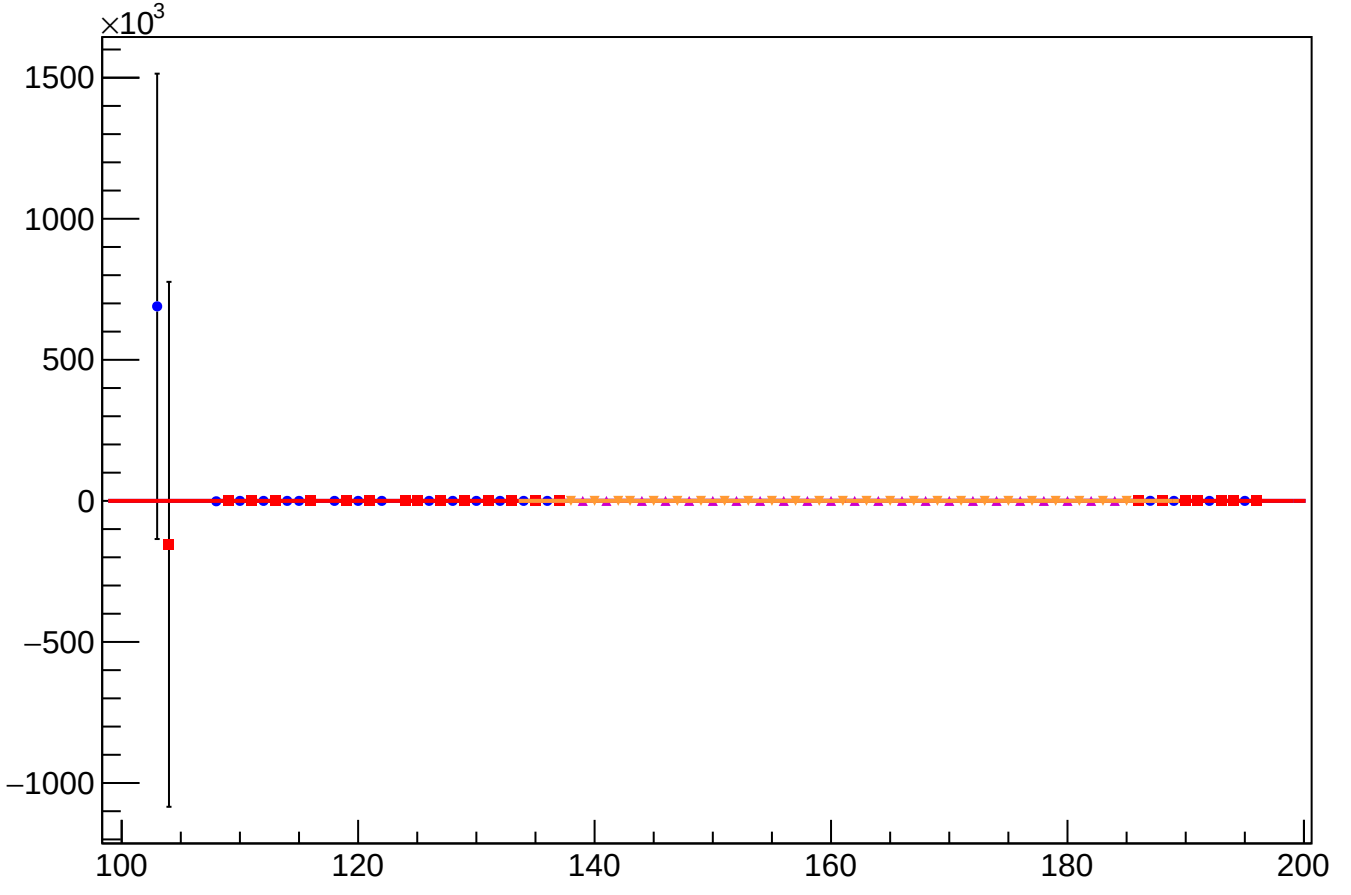
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1682.752+/-0.237 χ^2/NDF: 4013961.1/41

All: 1699.686+/-0.168 χ^2/NDF: 8530617.0/85

- sign 1717.053+/-0.240 χ^2/NDF: 4506297.0/43

diff_bpm1p03aY_mean vs Slug



Right In: 0.580+/-0.762 χ^2/NDF: 12.6/18

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.105+/-0.667 χ^2/NDF: 26.0/21

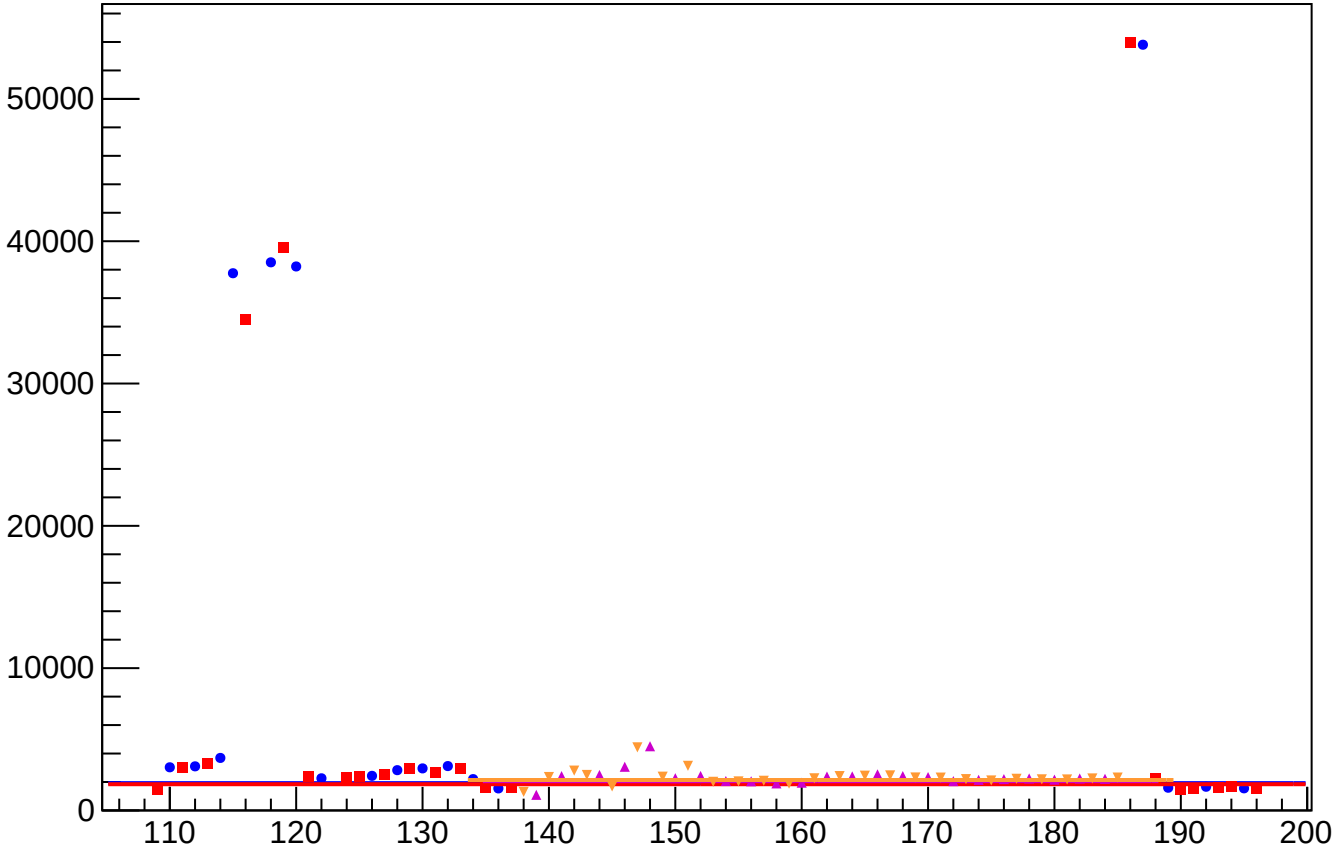
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.646+/-0.419 χ^2/NDF: 40.7/43

All: -0.286+/-0.290 χ^2/NDF: 85.1/88

- sign 0.042+/-0.401 χ^2/NDF: 43.0/44

diff_bpm1p03aY_rms vs Slug



Right In: 1919.668+/-0.539 χ^2/NDF: 3208703.8/16

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1843.748+/-0.471 χ^2/NDF: 3405733.8/20

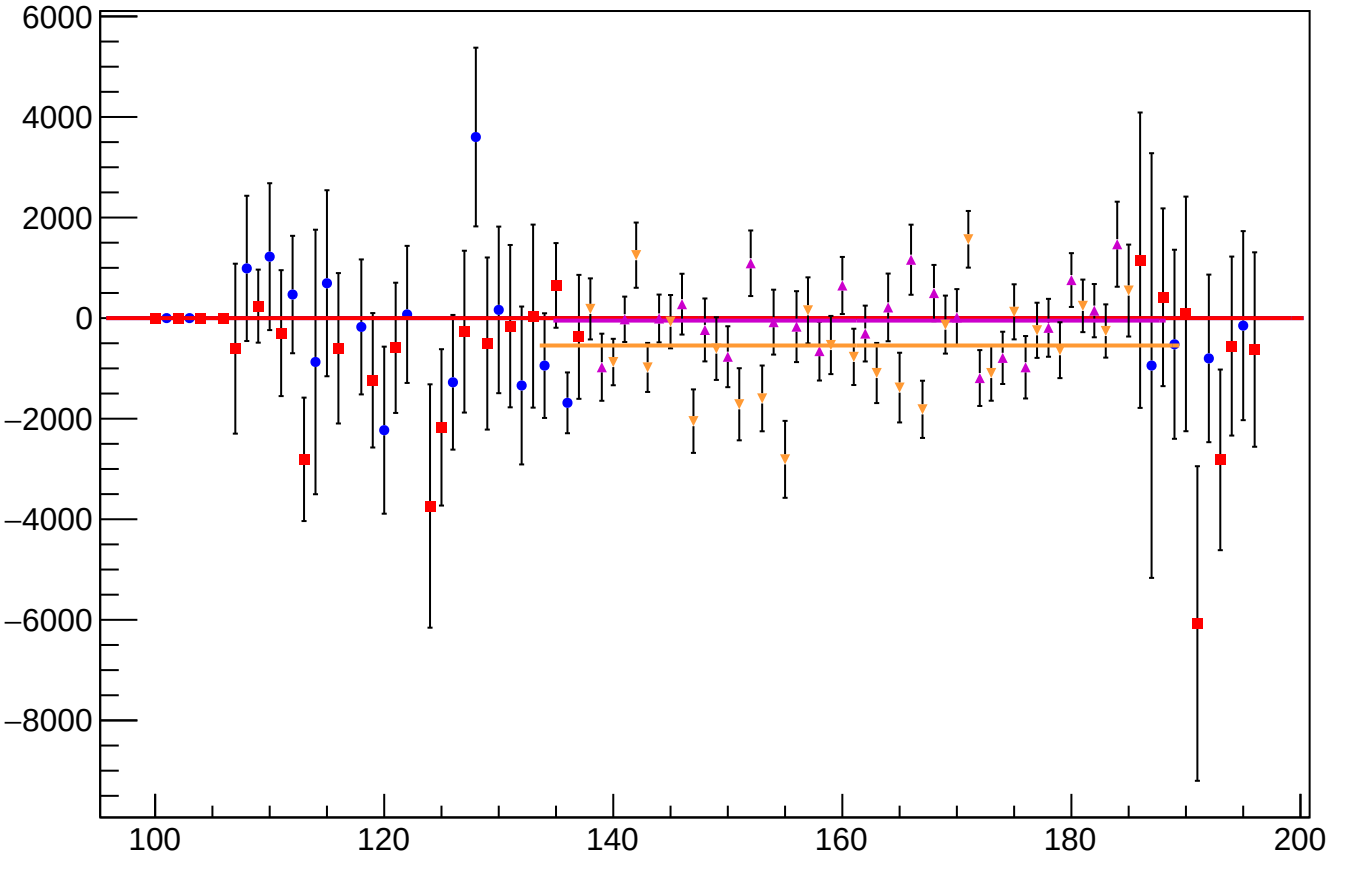
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2072.666+/-0.297 χ^2/NDF: 4804518.8/41

All: 2024.622+/-0.205 χ^2/NDF: 10686245.6/8

- 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: 18.1/19

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

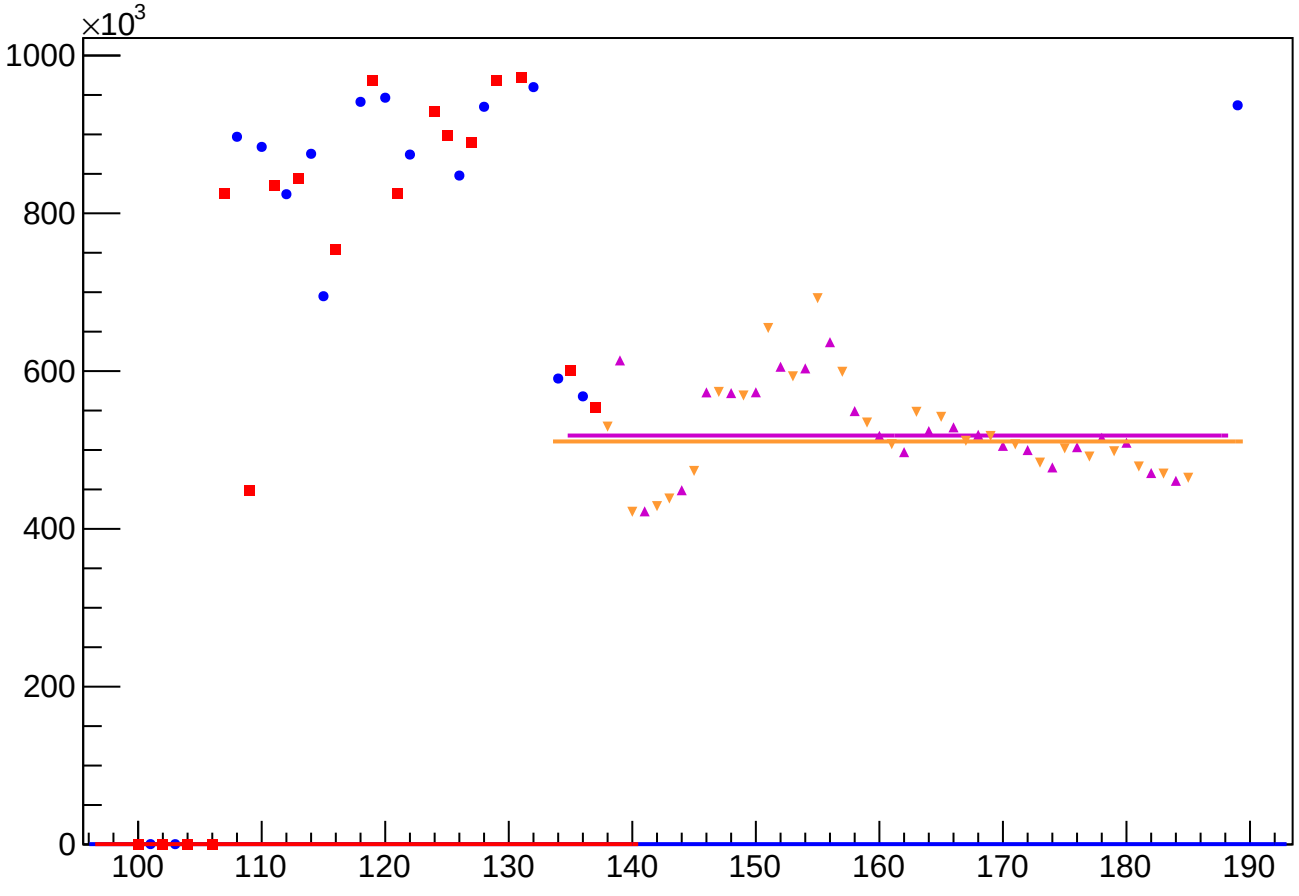
Right Out: 0.096+/-0.328 χ^2/NDF: 22.1/25

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

\+ sign 0.250+/-0.356 χ^2/NDF: 100.6/44

All: 0.166+/-0.241 χ^2/NDF: 150.9/93

\- 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

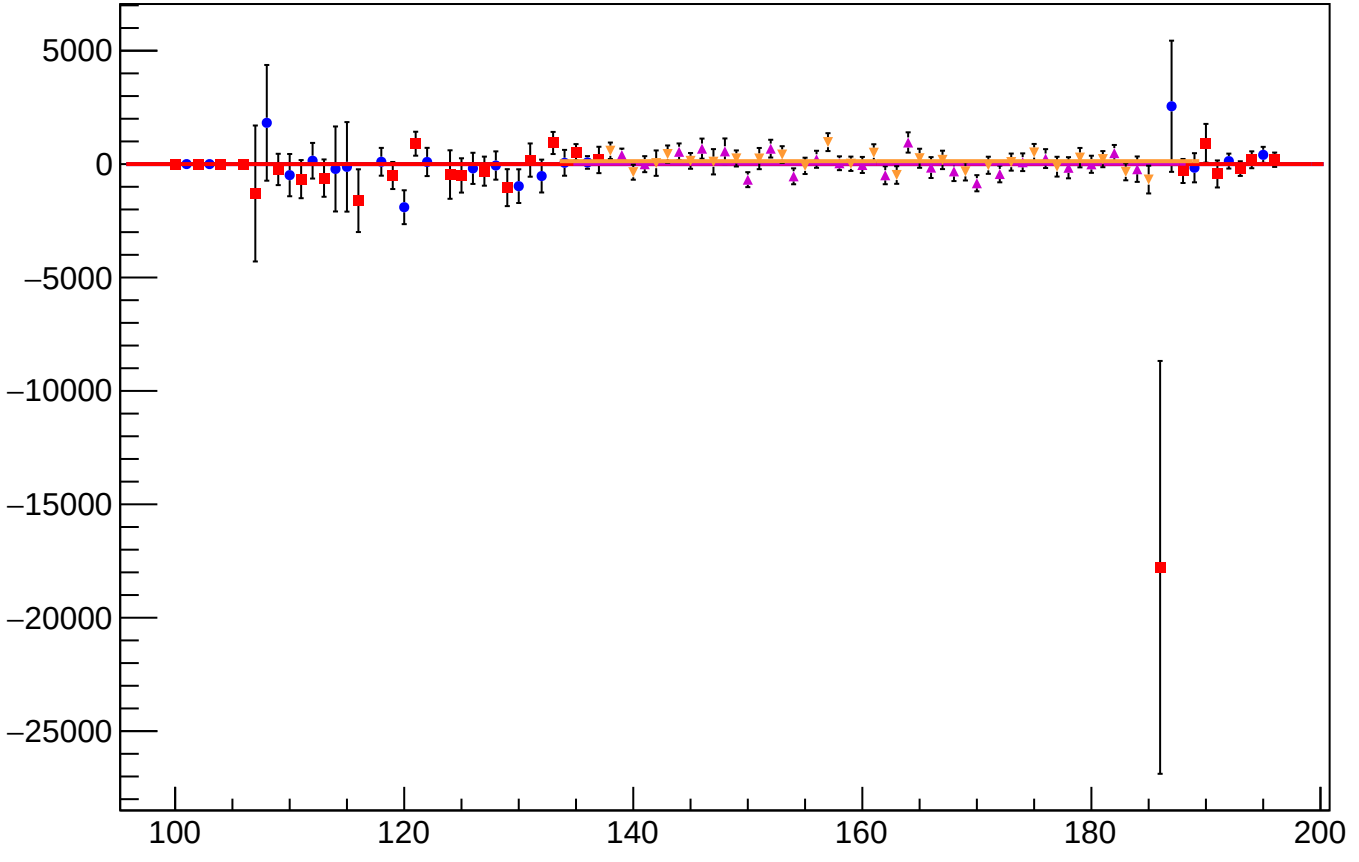
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: 12.8/19

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

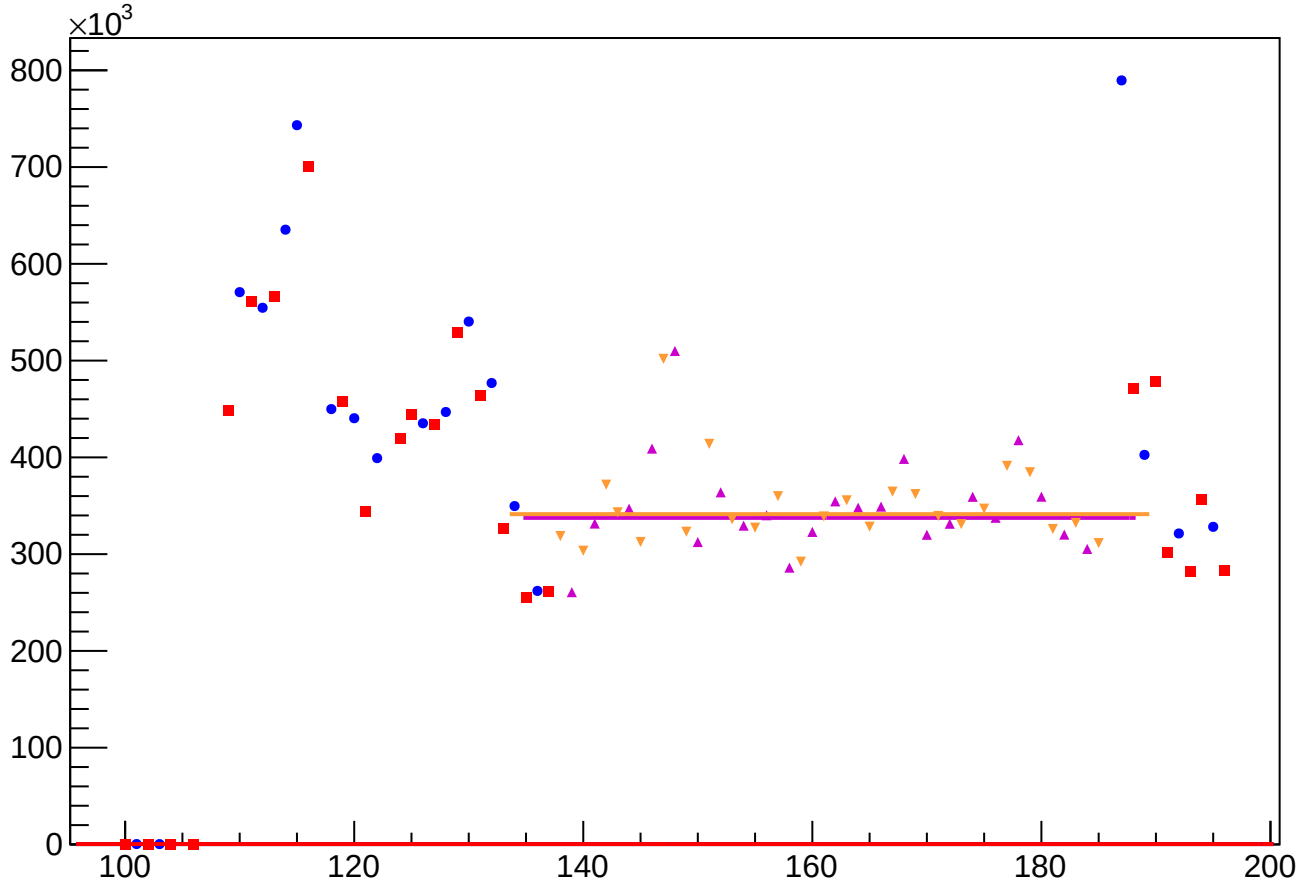
Right Out: 0.599+/-0.324 χ^2/NDF: 21.8/25

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 35.6/44

All: 0.312+/-0.237 χ^2/NDF: 92.9/93

- sign 0.599+/-0.324 χ^2/NDF: 55.6/48



Right In: 391.065+/-0.245 χ^2/NDF: 15550449.7/18

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.163+/-0.229 χ^2/NDF: 18701083.5/23

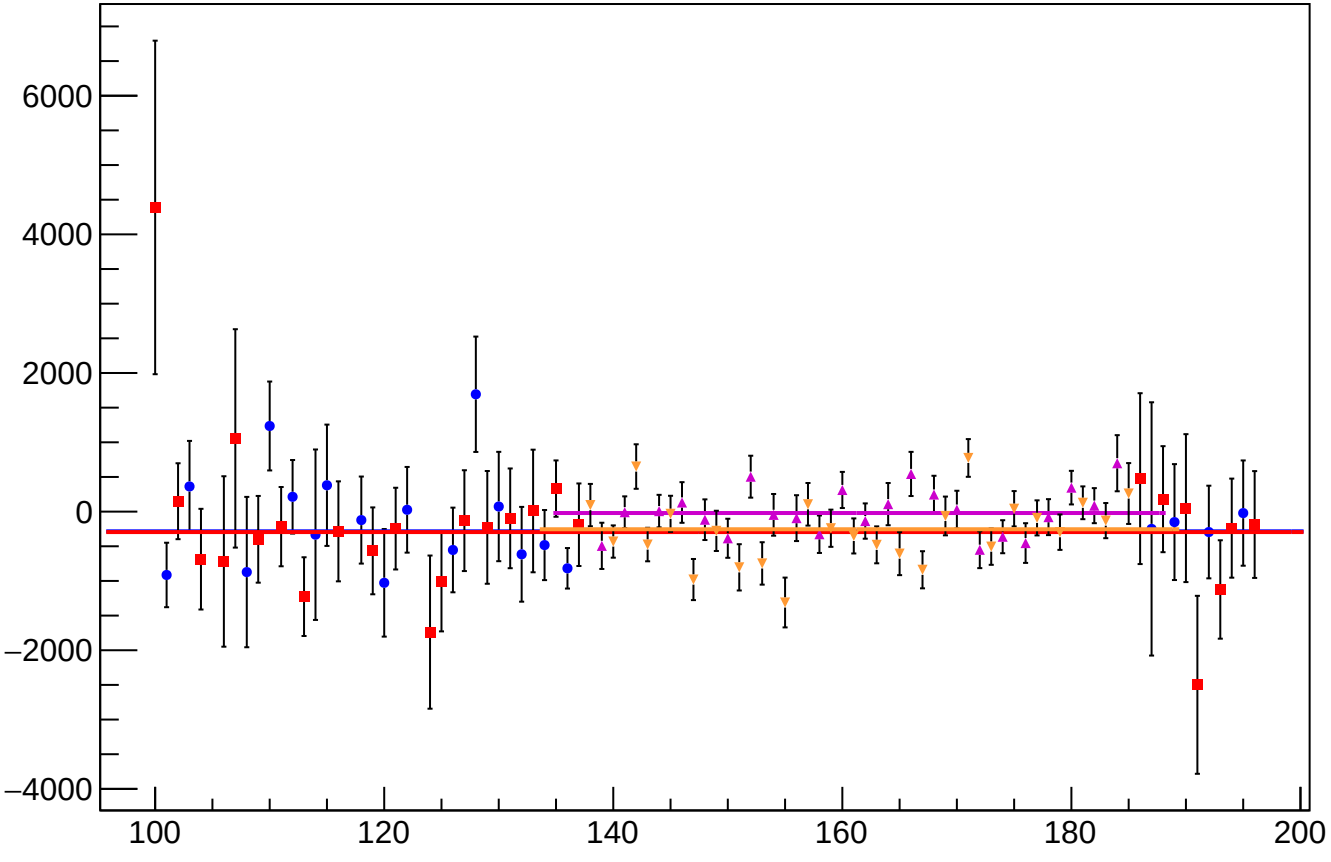
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.774+/-0.245 χ^2/NDF: 53921184.3/43

All: 396.140+/-0.167 χ^2/NDF: 108941295.0/9

- sign 394.717+/-0.229 χ^2/NDF: 55020027.7/46

diff_cav4cX_mean vs Slug



Right In: -284.446+/-139.009 χ^2/NDF: 21.3/19

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

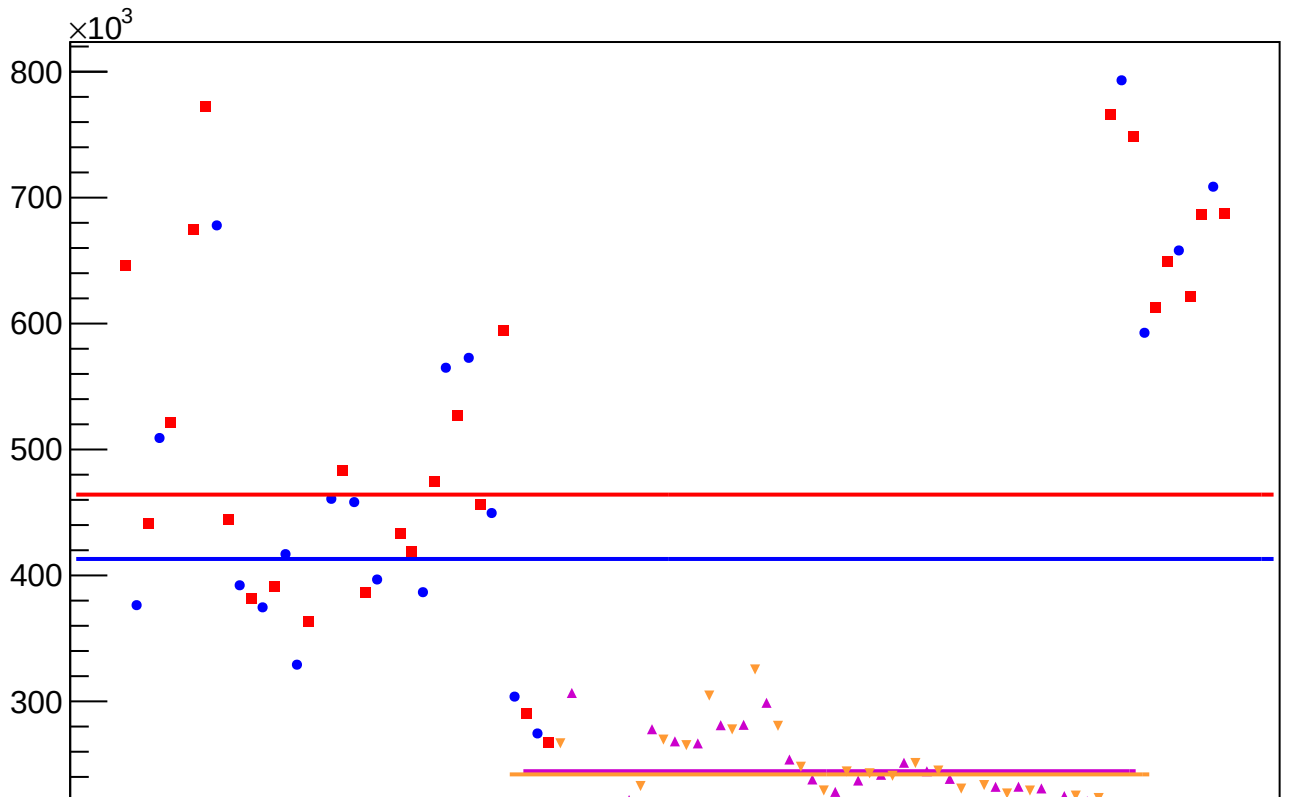
Right Out: -294.982+/-141.047 χ^2/NDF: 19.1/25

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -258.495+/-51.478 χ^2/NDF: 82.7/44

All: -162.245+/-37.005 χ^2/NDF: 140.8/93

- sign -59.319+/-53.233 χ^2/NDF: 51.0/48



Right In: 413071.975+/-98.310 χ^2/NDF: 1676323.9/19

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 464176.733+/-99.830 χ^2/NDF: 1886731.4/25

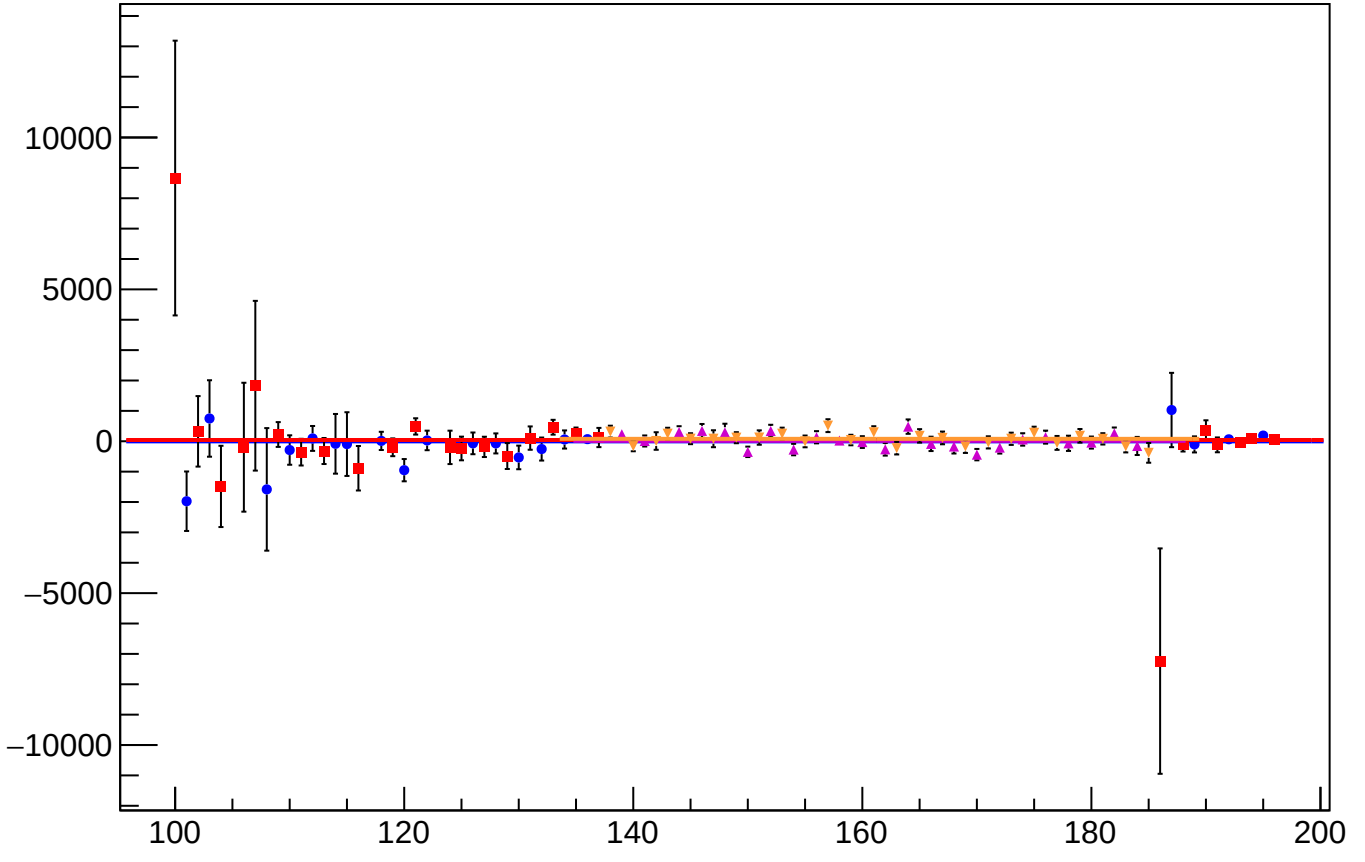
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 265461.018+/-36.401 χ^2/NDF: 4702190.6/44

All: 270445.330+/-26.169 χ^2/NDF: 1114130

- sign 275776.507+/-37.646 χ^2/NDF: 6400315.1/48

diff_cav4cY_mean vs Slug



Right In: -3.312+/-63.854 χ^2/NDF: 17.6/19

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 41.495+/-54.198 χ^2/NDF: 25.6/25

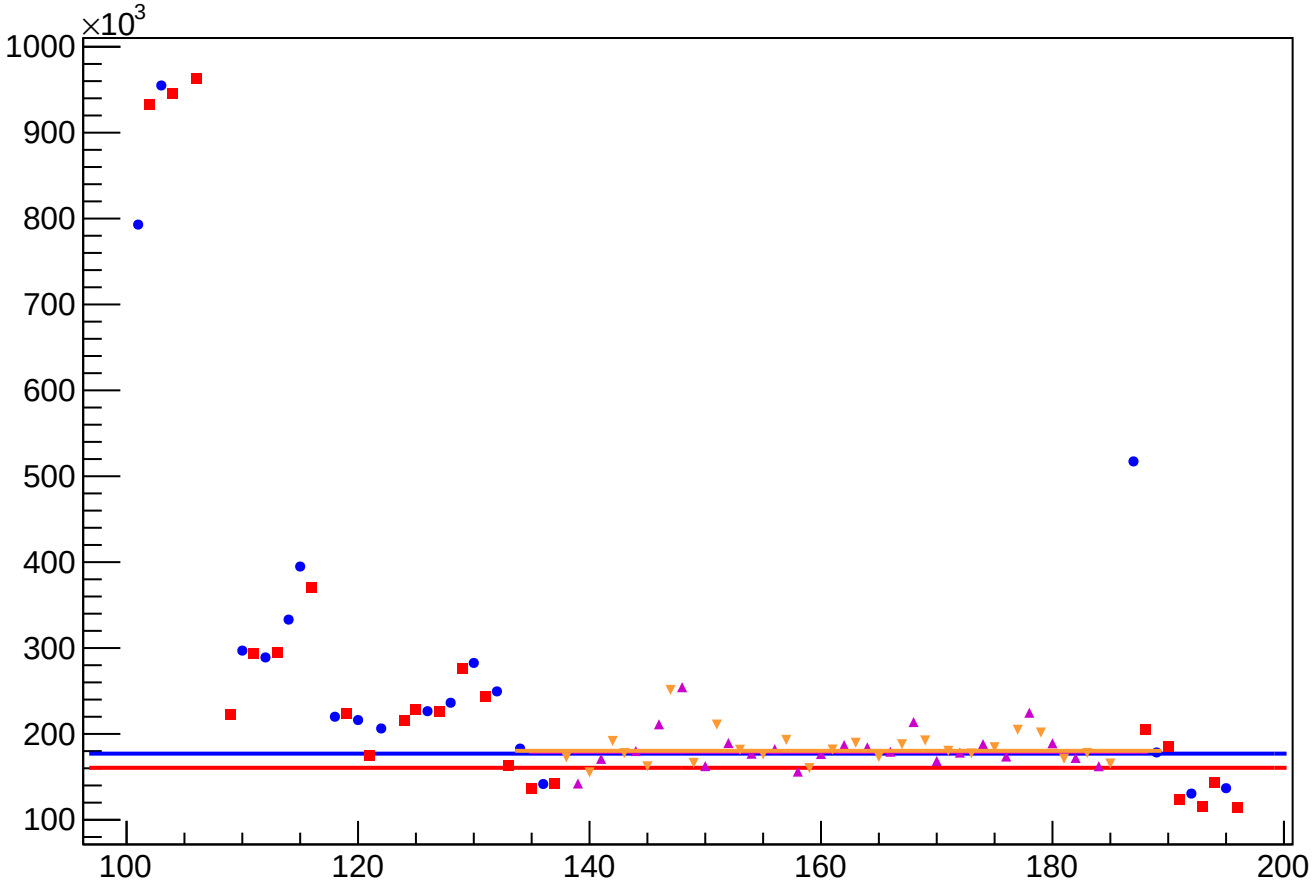
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 55.071+/-34.679 χ^2/NDF: 38.5/44

All: 39.123+/-24.024 χ^2/NDF: 97.9/93

- sign 24.407+/-33.313 χ^2/NDF: 58.9/48

diff_cav4cY_rms vs Slug



Right In: 177062.850+/-45.193 χ^2/NDF: 2781539.1/18

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 160571.247+/-38.365 χ^2/NDF: 3215880.7/22

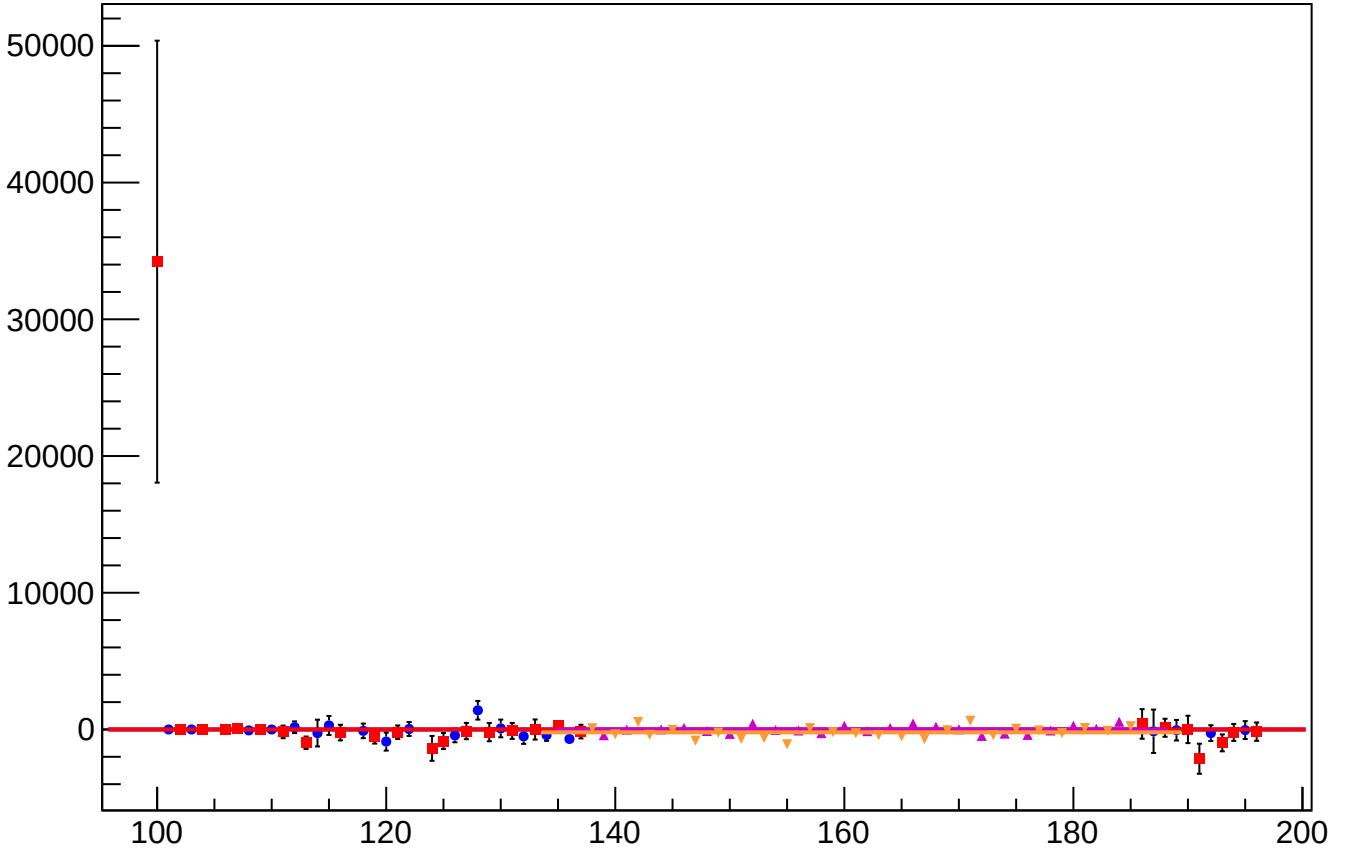
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 179376.656+/-24.528 χ^2/NDF: 3131851.9/43

All: 175572.860+/-16.994 χ^2/NDF: 7039441.

- 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: 18.4/19

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 23.1/25

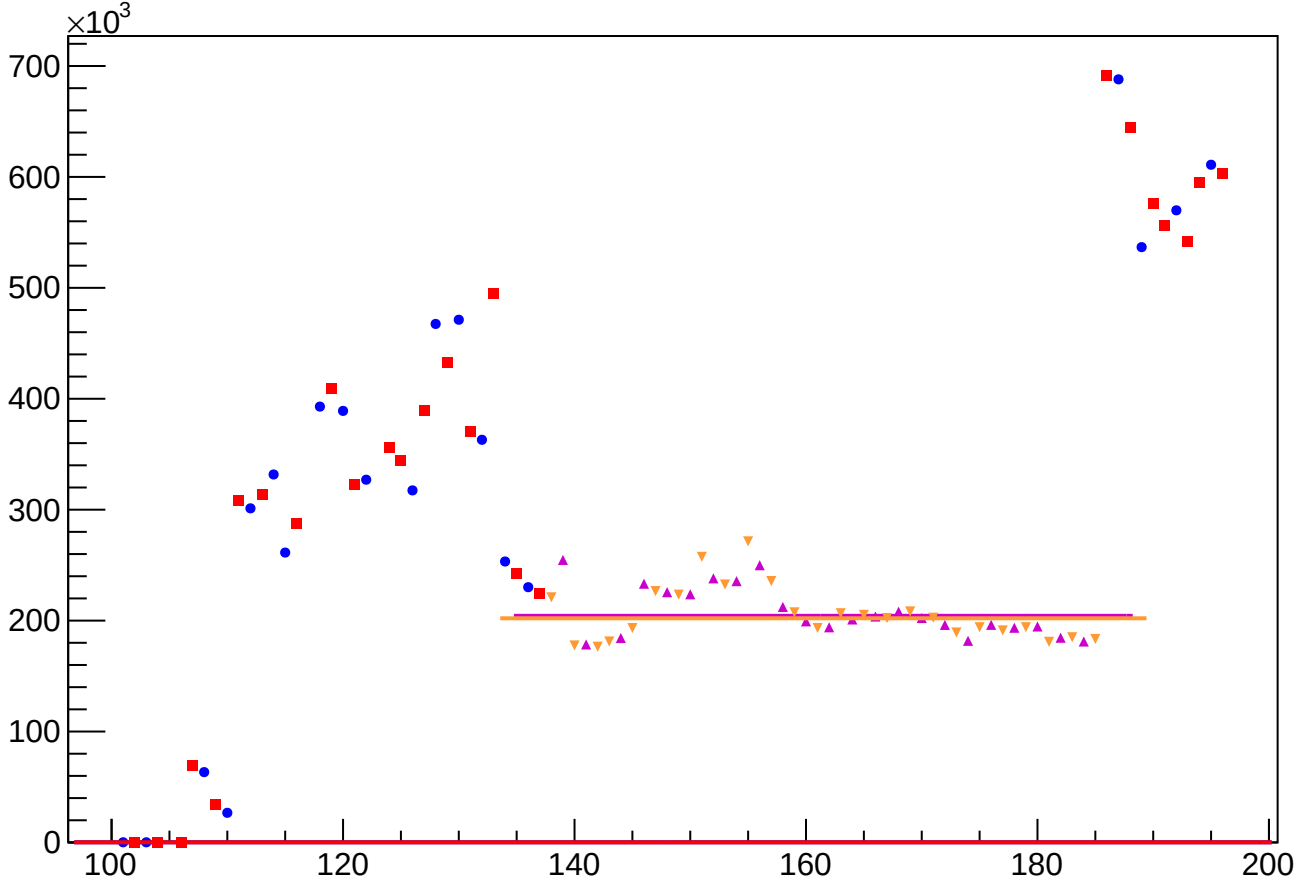
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

\+ sign -0.038+/-0.172 χ^2/NDF: 100.2/44

All: -0.208+/-0.117 χ^2/NDF: 153.9/93

\- sign -0.355+/-0.160 χ^2/NDF: 51.9/48

diff_cav4dX_rms vs Slug



Right In: 149.221+/-0.122 χ^2/NDF: 16379512.8/19

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.568+/-0.113 χ^2/NDF: 20165494.4/24

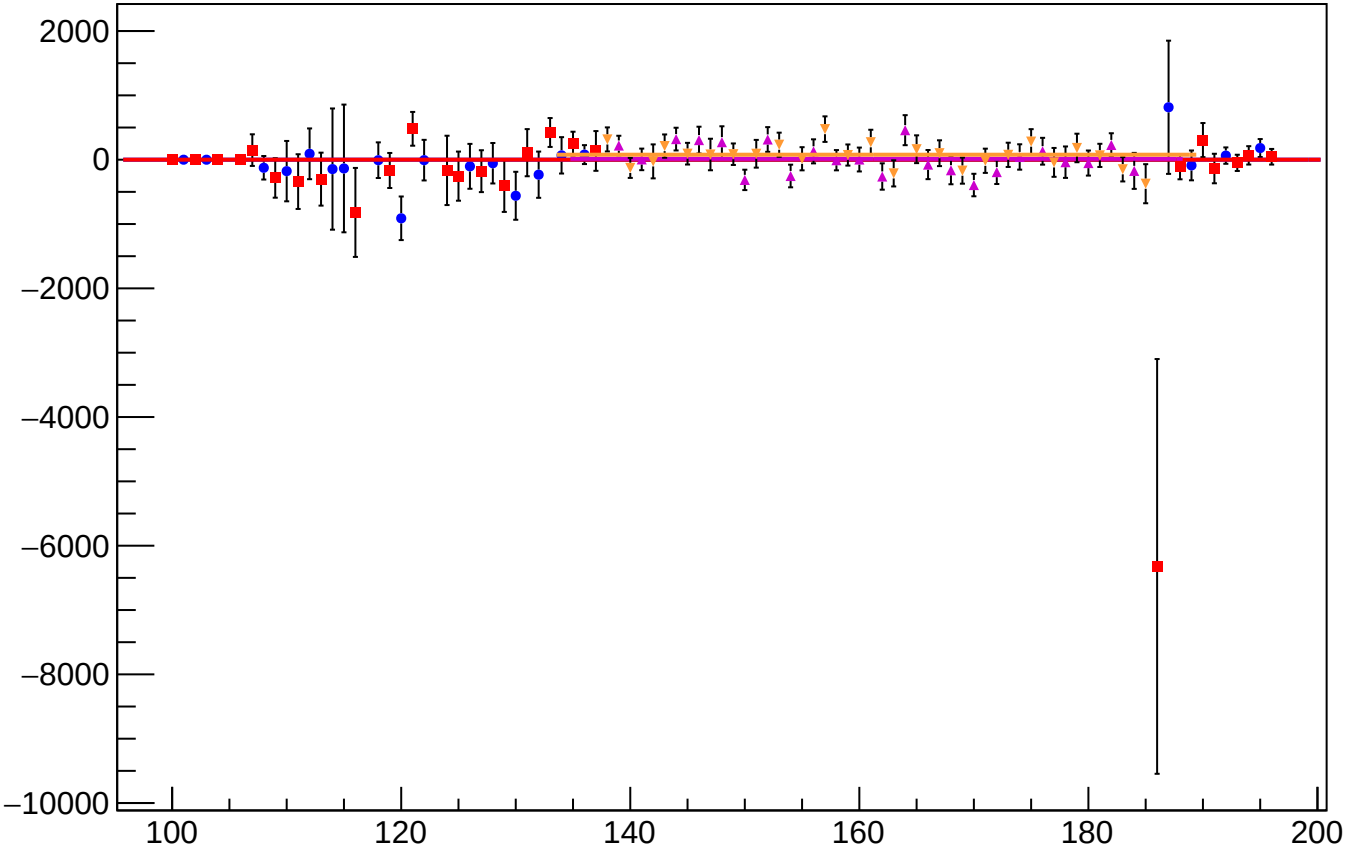
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.018+/-0.122 χ^2/NDF: 54875337.7/44

All: 151.921+/-0.083 χ^2/NDF: 111543547.8/9

- 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: 13.9/19

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 21.6/25

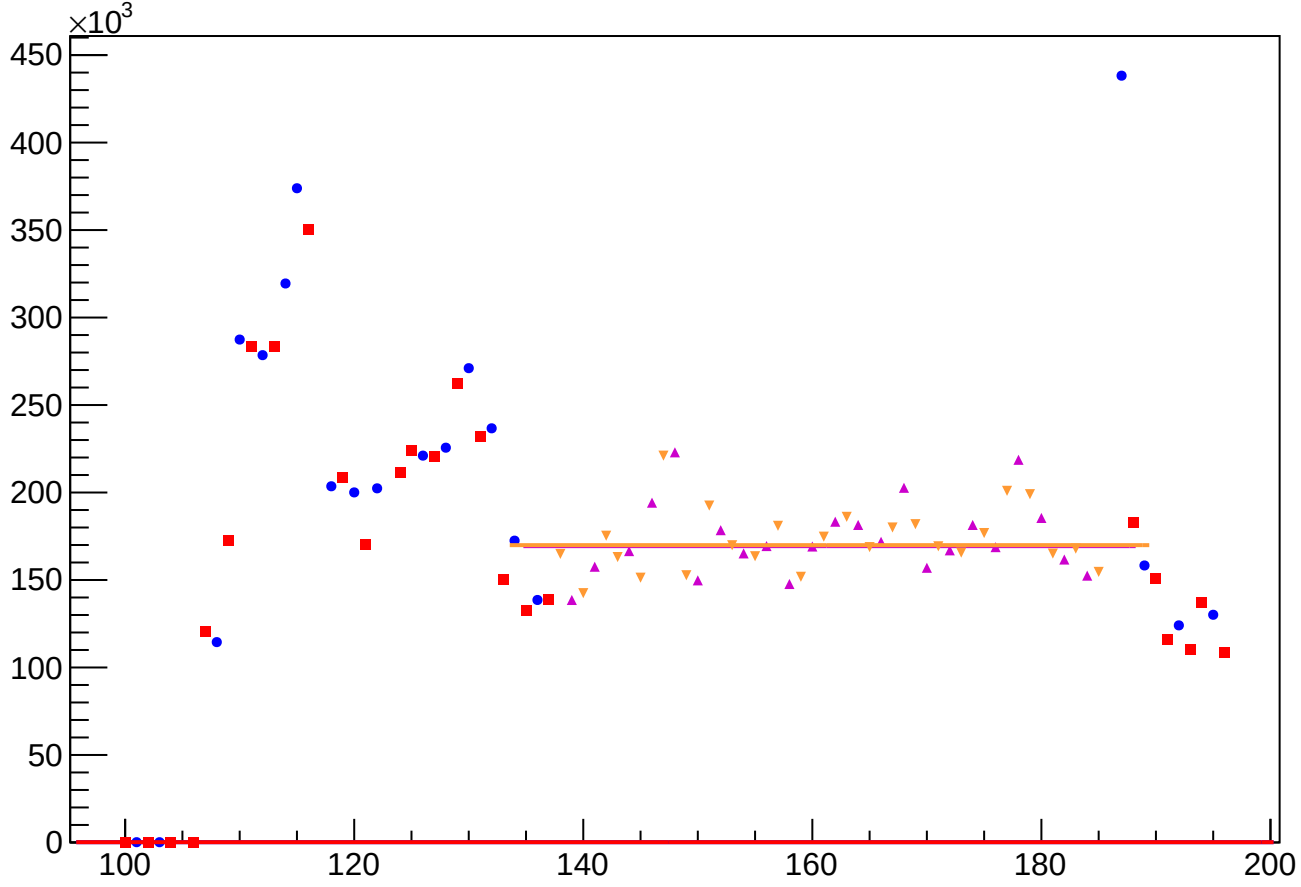
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 37.0/44

All: 0.036+/-0.121 χ^2/NDF: 92.0/93

\- sign 0.126+/-0.166 χ^2/NDF: 54.4/48

diff_cav4dY_rms vs Slug



Right In: 154.015+/-0.125 χ^2/NDF: 16820577.9/19

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.991+/-0.118 χ^2/NDF: 19182546.4/24

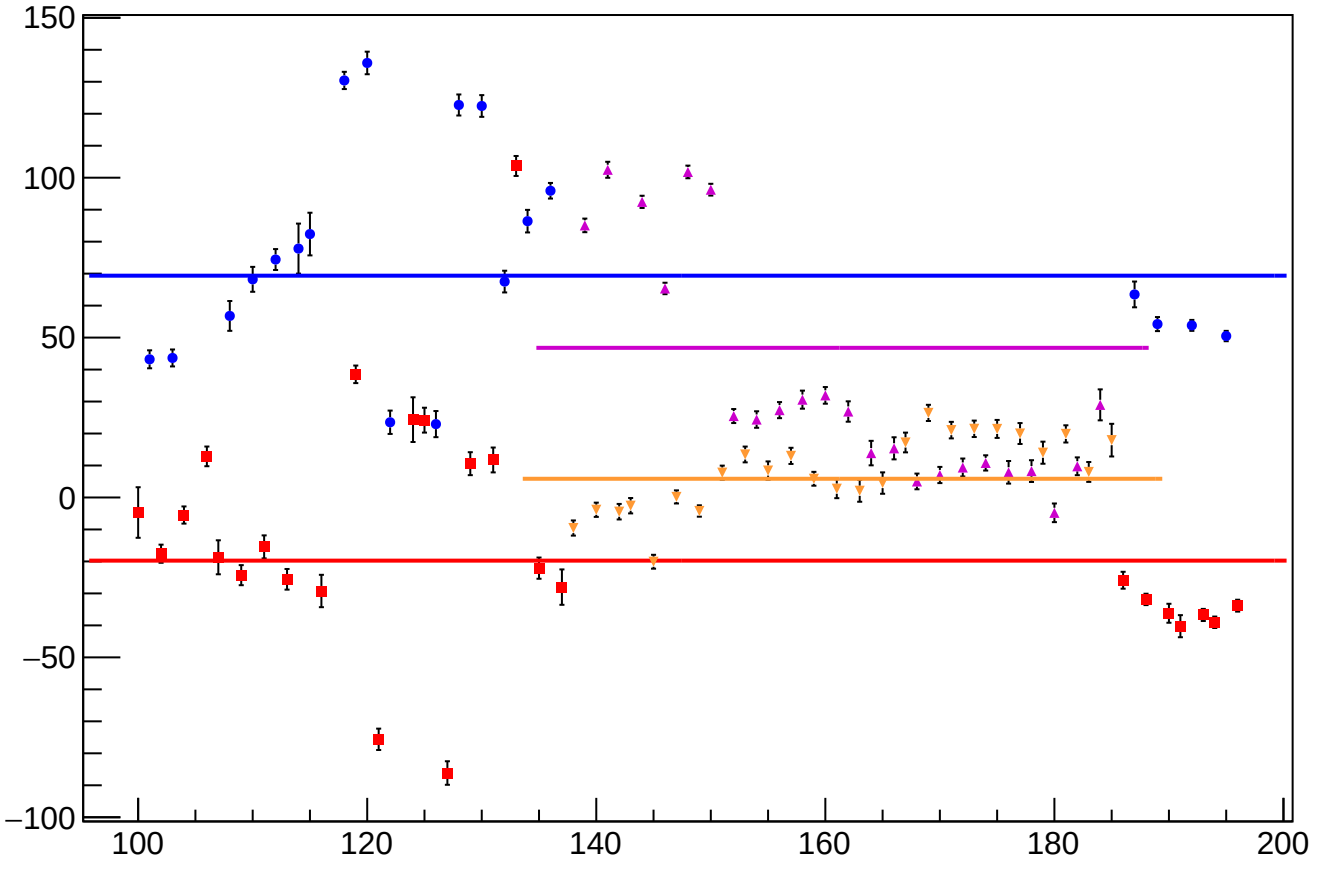
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.535+/-0.125 χ^2/NDF: 55232458.0/44

All: 158.809+/-0.086 χ^2/NDF: 110799859.0/9

- sign 159.933+/-0.118 χ^2/NDF: 55567206.5/47

diff_bpm0i01X_mean vs Slug



Right In: 69.358+/-0.649 χ^2/NDF: 2267.2/19

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -19.747+/-0.575 χ^2/NDF: 3451.8/25

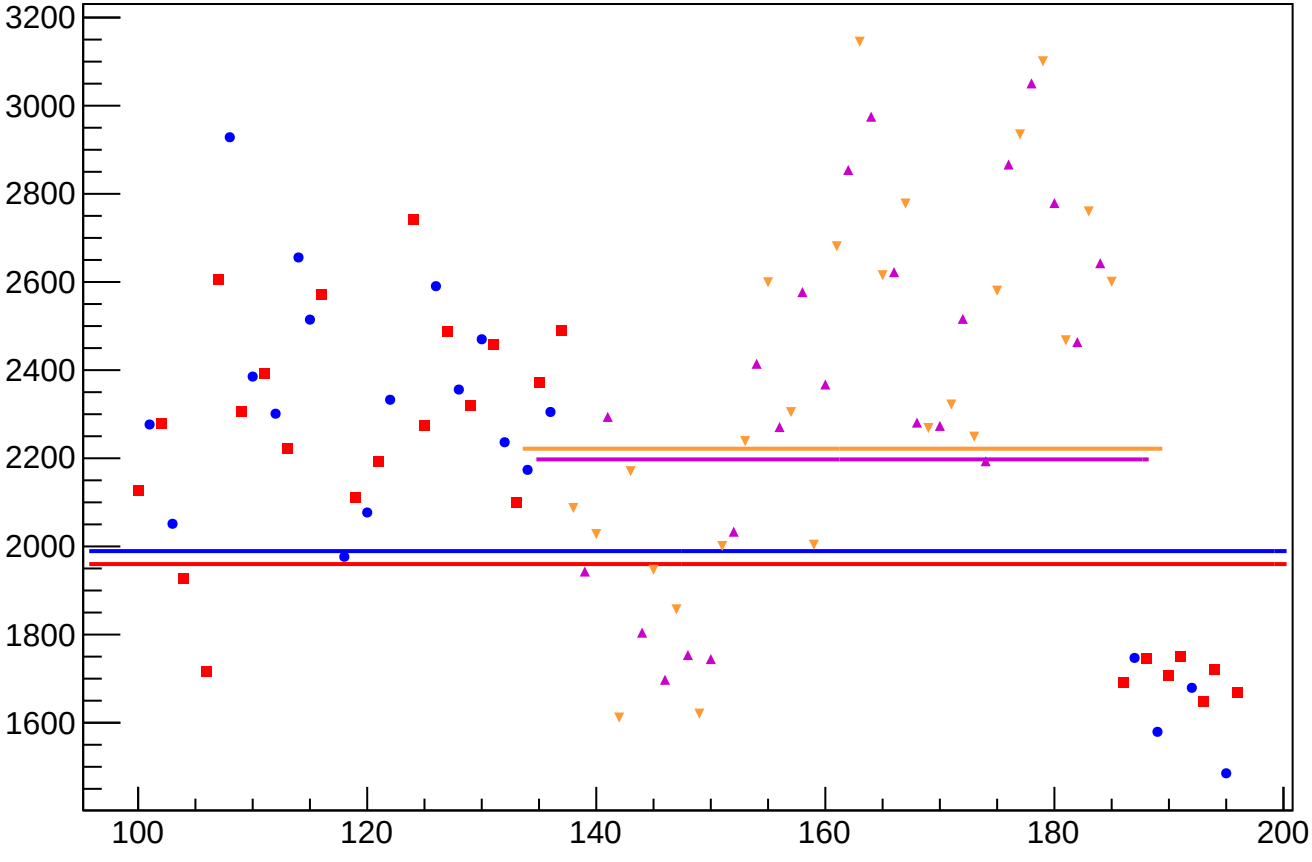
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 30.308+/-0.403 χ^2/NDF: 8681.6/44

All: 23.171+/-0.279 χ^2/NDF: 25222.8/93

- sign 16.574+/-0.387 χ^2/NDF: 15937.9/48

diff_bpm0i01X_rms vs Slug



Right In: 1989.408+/-0.459 χ^2/NDF: 681617.1/19

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1959.976+/-0.407 χ^2/NDF: 577561.4/25

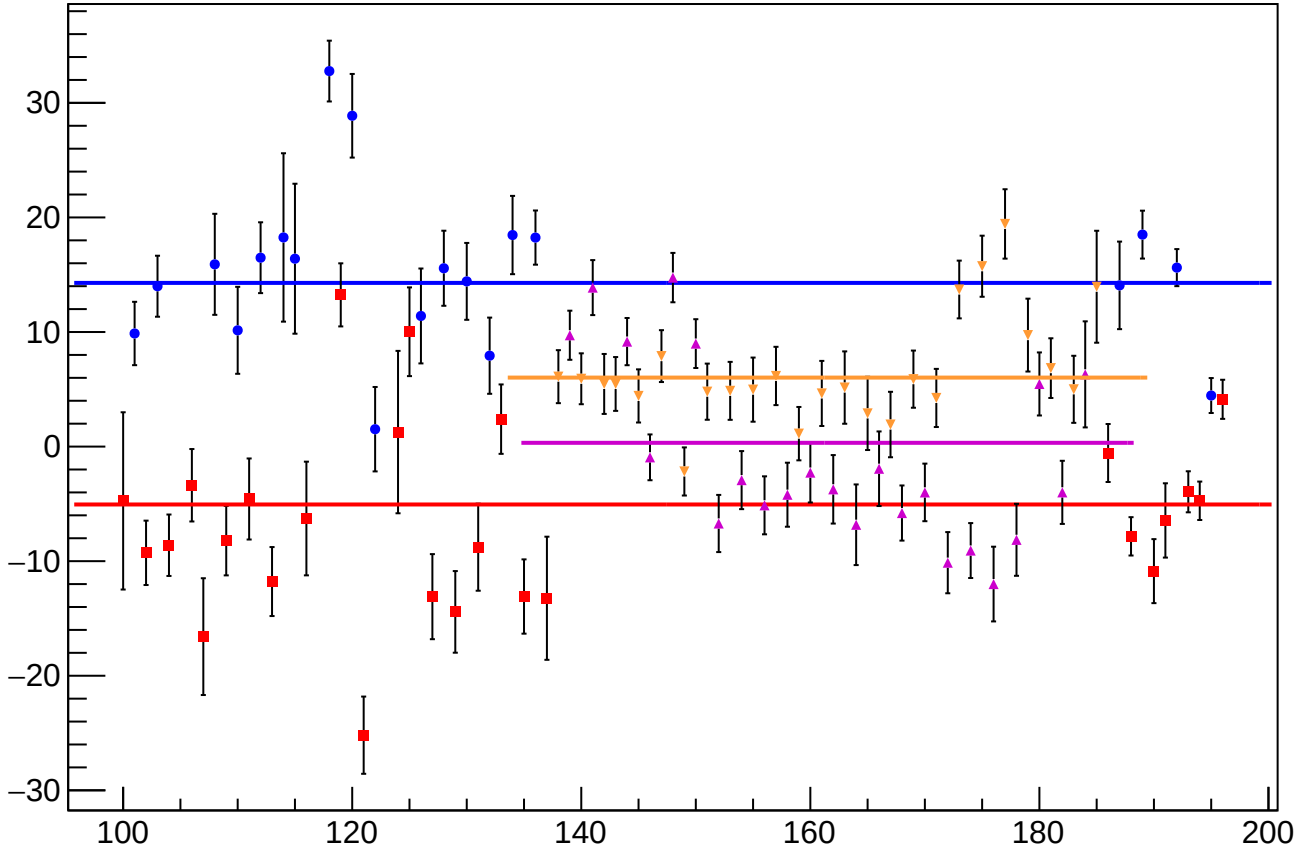
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2132.289+/-0.285 χ^2/NDF: 2023071.9/44

All: 2110.110+/-0.198 χ^2/NDF: 3903199.5/93

- sign 2089.609+/-0.274 χ^2/NDF: 1868473.1/48

diff_bpm0i01Y_mean vs Slug



Right In: 14.287+/-0.628 χ^2/NDF: 136.2/19

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -5.053+/-0.553 χ^2/NDF: 178.3/25

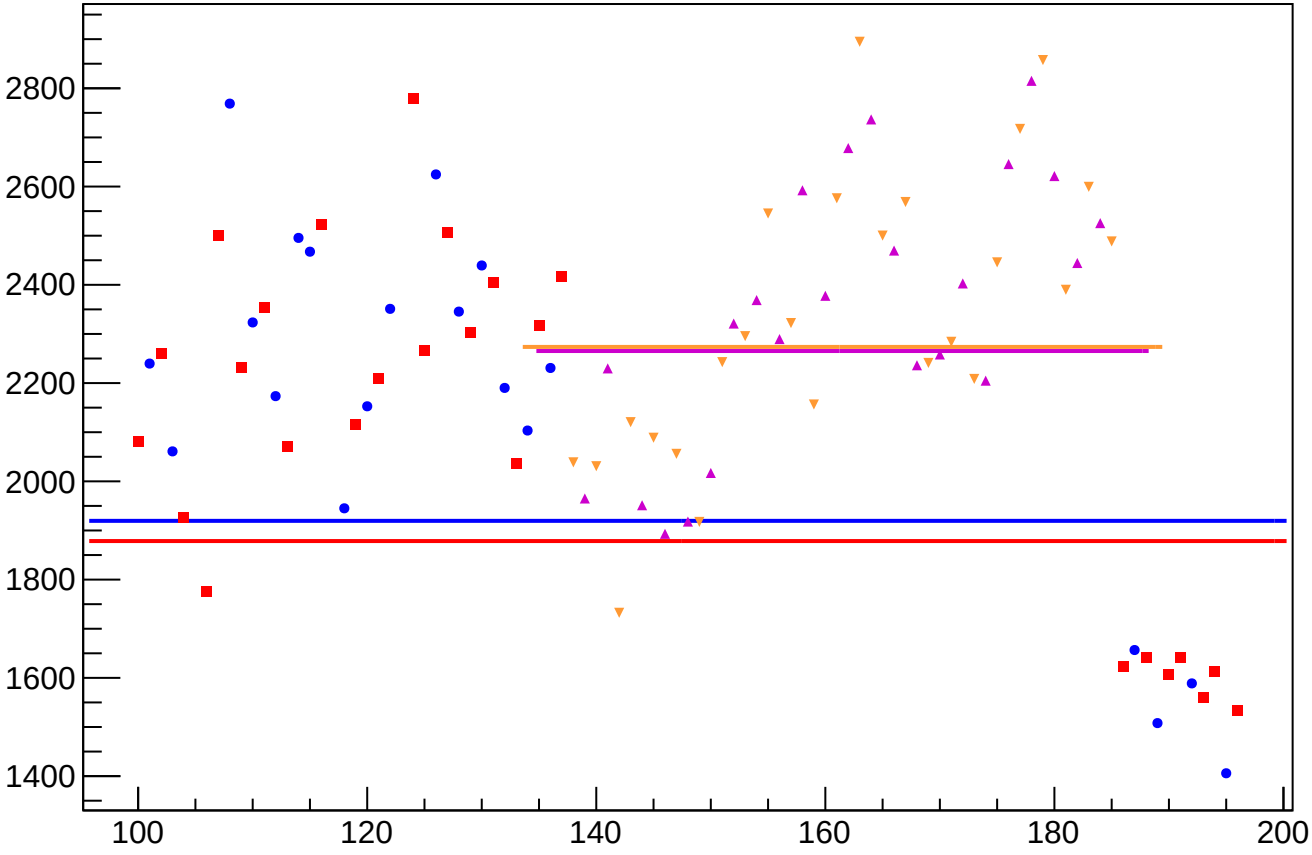
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.389+/-0.401 χ^2/NDF: 310.5/44

All: 3.310+/-0.277 χ^2/NDF: 1203.6/93

- sign -2.272+/-0.384 χ^2/NDF: 452.1/48

diff_bpm0i01Y_rms vs Slug



Right In: 1919.589+/-0.444 χ^2/NDF: 795775.8/19

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1878.465+/-0.391 χ^2/NDF: 733551.4/25

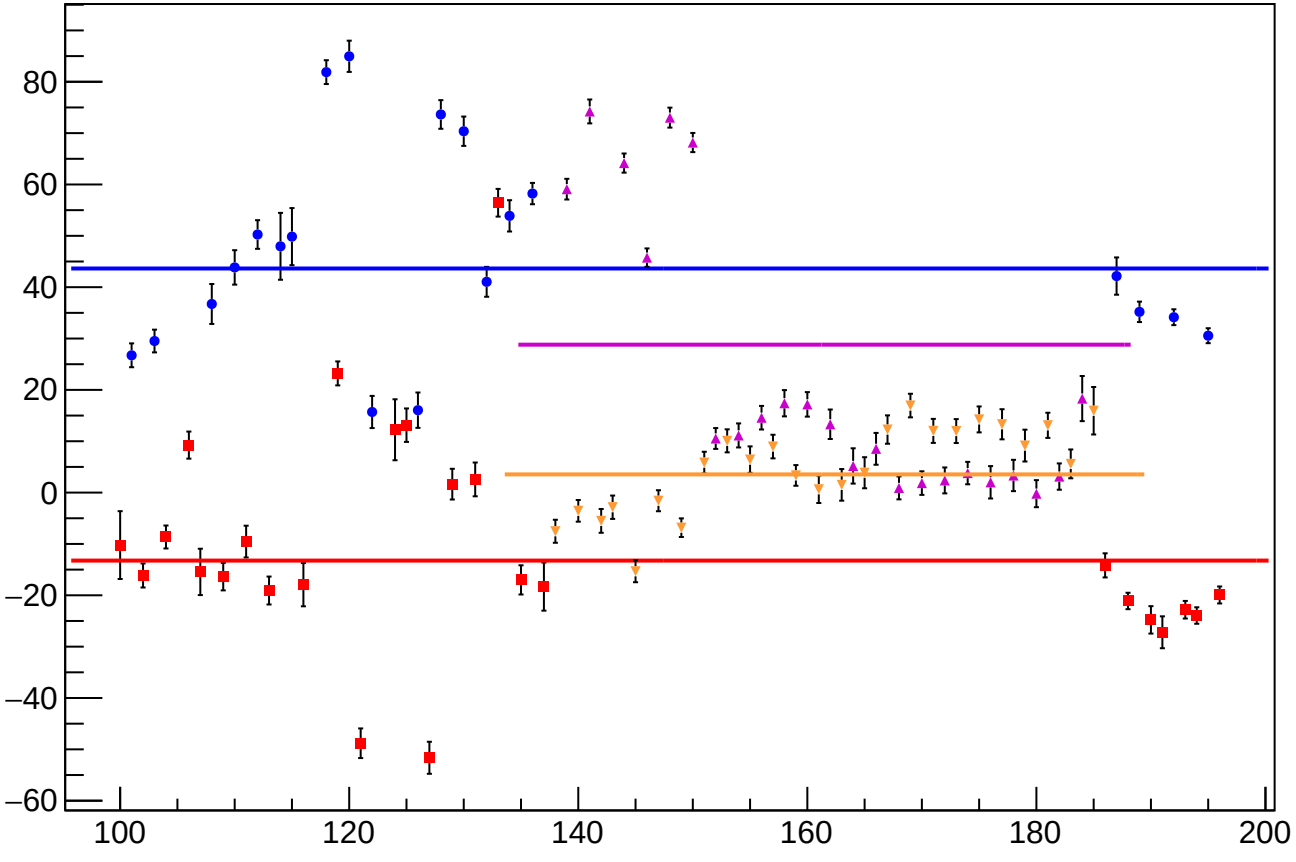
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2129.381+/-0.284 χ^2/NDF: 1709091.8/44

All: 2102.748+/-0.196 χ^2/NDF: 3461516.3/93

- sign 2078.288+/-0.272 χ^2/NDF: 1735493.8/48

diff_bpm0i01aX_mean vs Slug



Right In: 43.638+/-0.565 χ^2/NDF: 1105.4/19

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -13.240+/-0.501 χ^2/NDF: 1593.0/25

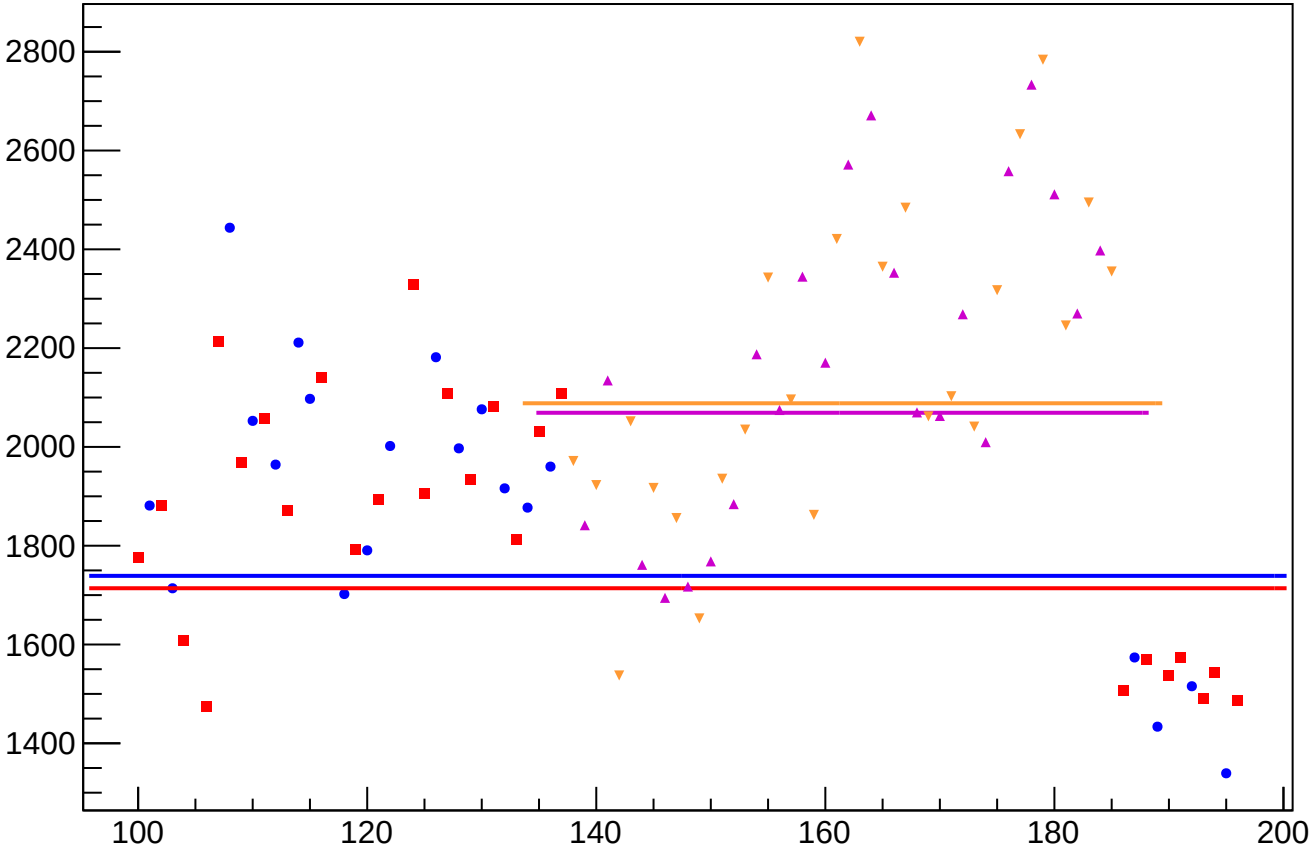
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 20.377+/-0.366 χ^2/NDF: 4351.1/44

All: 14.034+/-0.253 χ^2/NDF: 13377.5/93

\- sign 8.208+/-0.351 χ^2/NDF: 8449.6/48

diff_bpm0i01aX_rms vs Slug



Right In: 1738.972+/-0.399 χ^2/NDF: 494006.9/19

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1713.913+/-0.354 χ^2/NDF: 413285.9/25

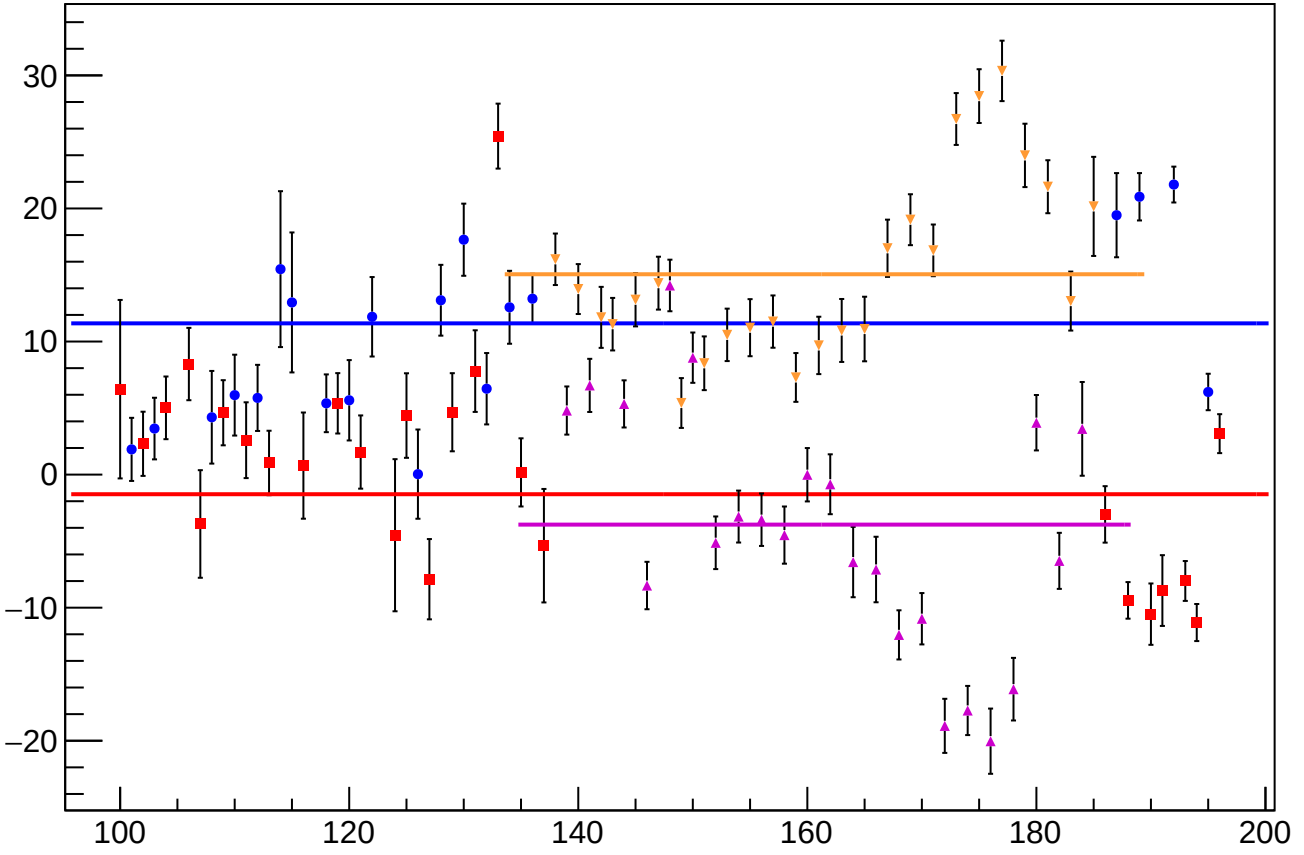
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1941.668+/-0.259 χ^2/NDF: 1725797.7/44

All: 1917.403+/-0.179 χ^2/NDF: 3380498.5/93

- sign 1895.116+/-0.248 χ^2/NDF: 1637818.9/48

diff_bpm0i01aY_mean vs Slug



Right In: 11.366+/-0.524 χ^2/NDF: 182.9/19

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.474+/-0.458 χ^2/NDF: 322.6/25

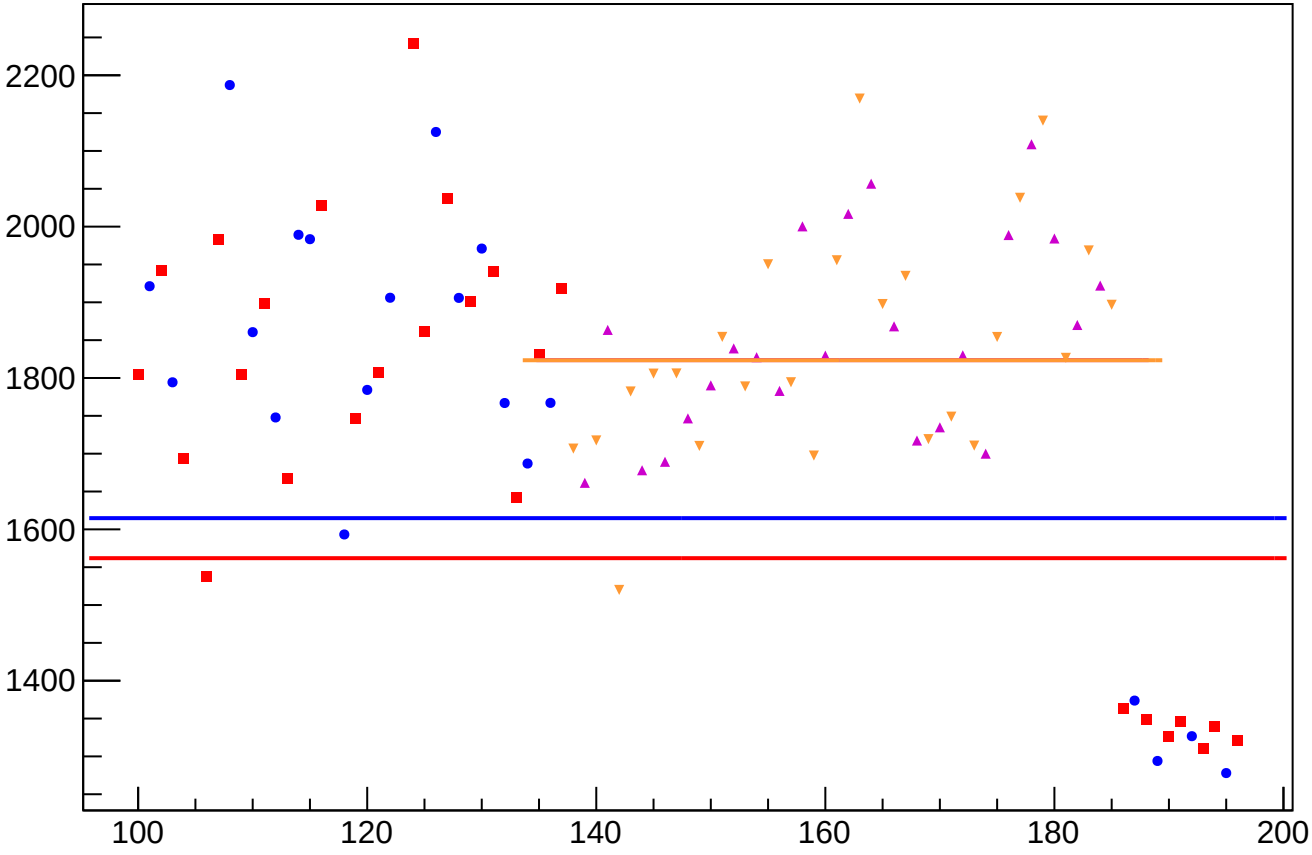
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.632+/-0.326 χ^2/NDF: 459.5/44

All: 5.135+/-0.226 χ^2/NDF: 2562.0/93

- sign -2.694+/-0.313 χ^2/NDF: 794.9/48

diff_bpm0i01aY_rms vs Slug



Right In: 1614.814+/-0.371 χ^2/NDF: 576509.8/19

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1561.922+/-0.324 χ^2/NDF: 640758.7/25

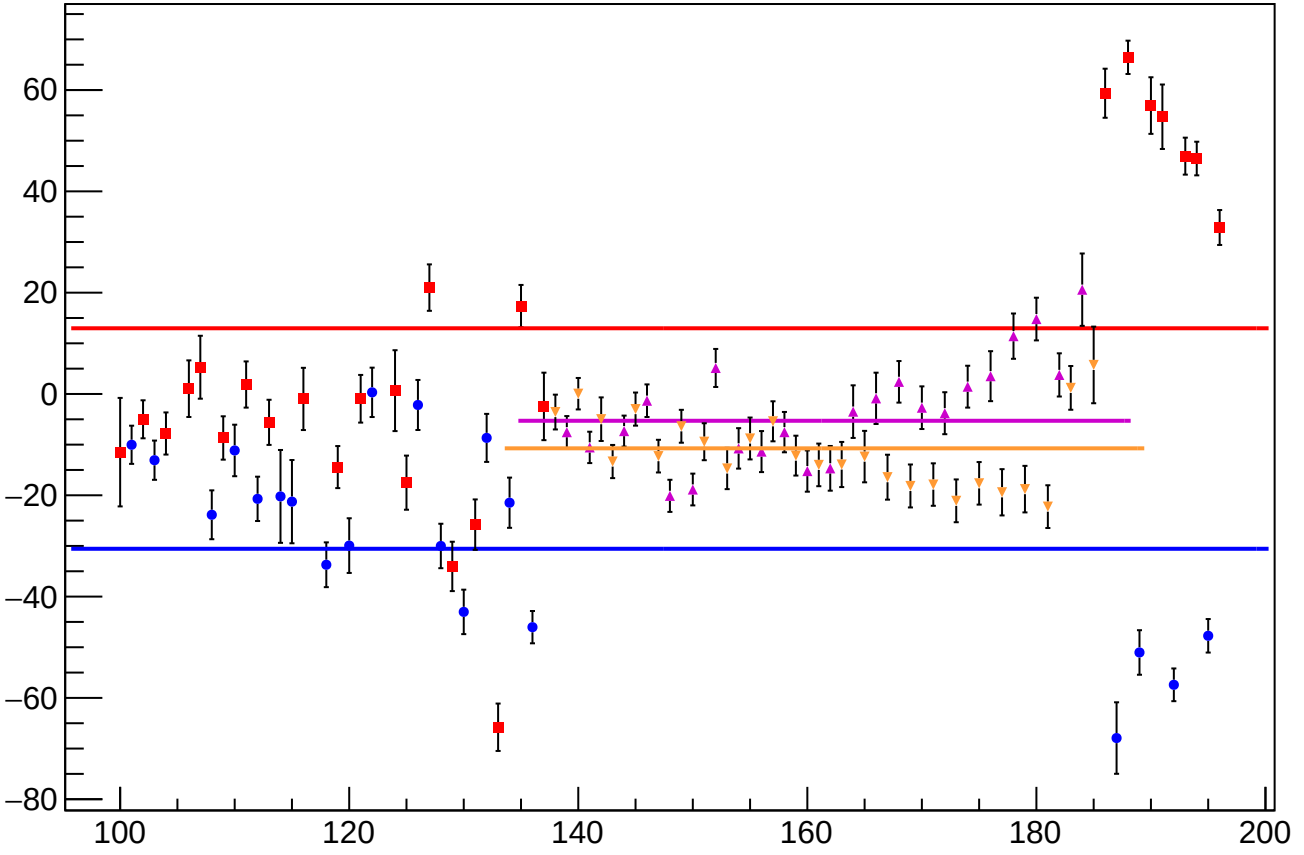
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1742.905+/-0.230 χ^2/NDF: 982291.1/44

All: 1721.449+/-0.159 χ^2/NDF: 2152220.5/93

- sign 1701.681+/-0.221 χ^2/NDF: 1153254.4/48

diff_bpm0l01X_mean vs Slug



Right In: -30.560+/-0.994 χ^2/NDF: 350.0/19

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 12.970+/-0.903 χ^2/NDF: 1330.7/25

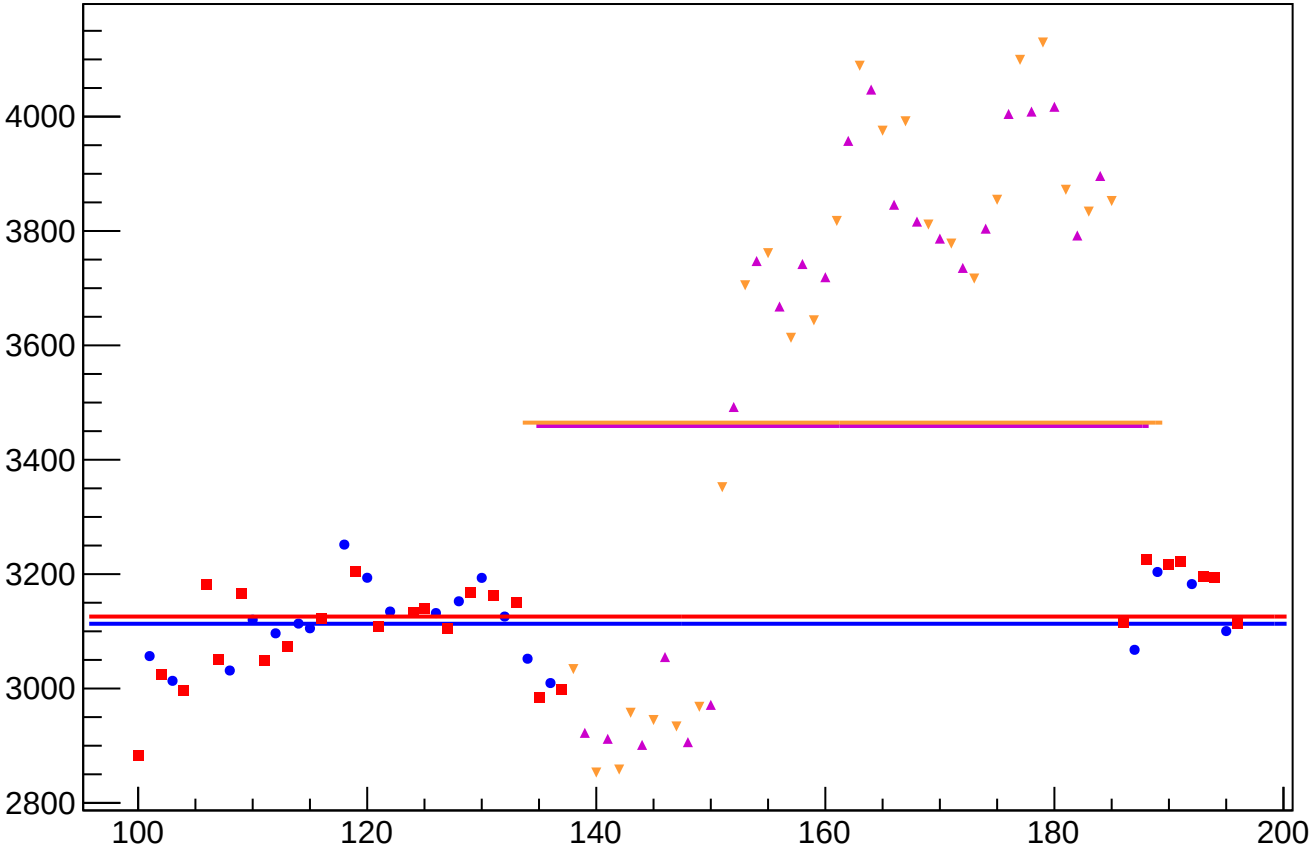
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -18.456+/-0.620 χ^2/NDF: 666.8/44

All: -7.507+/-0.433 χ^2/NDF: 2964.5/93

- sign 2.900+/-0.605 χ^2/NDF: 1689.9/48

diff_bpm0l01X_rms vs Slug



Right In: 3113.224+/-0.703 χ^2/NDF: 10006.3/19

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.809+/-0.638 χ^2/NDF: 14519.5/25

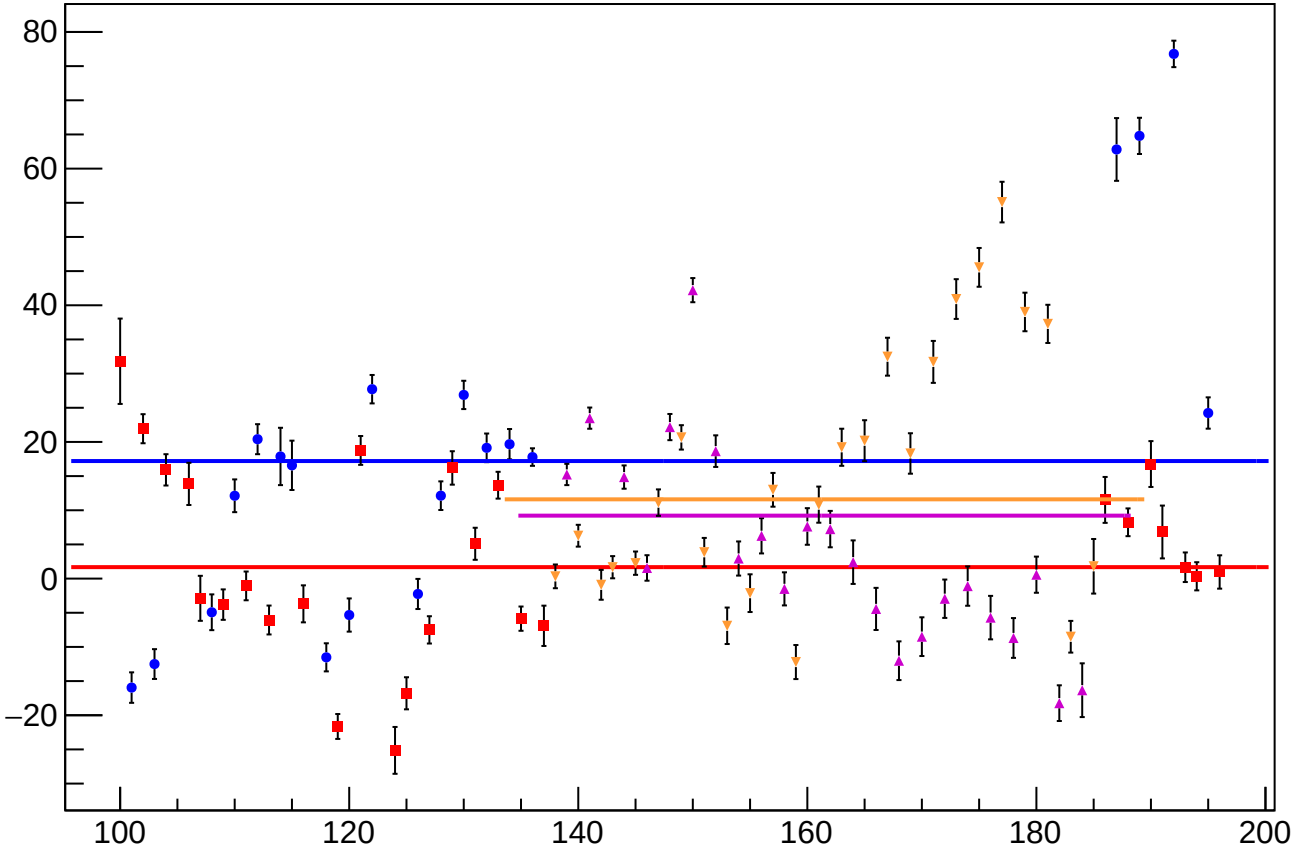
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3327.918+/-0.439 χ^2/NDF: 806935.5/44

All: 3318.514+/-0.306 χ^2/NDF: 1555899.7/93

- sign 3309.574+/-0.428 χ^2/NDF: 748067.4/48

diff_bpm0l01Y_mean vs Slug



Right In: 17.204+/-0.496 χ^2/NDF: 2275.7/19

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 1.678+/-0.466 χ^2/NDF: 711.3/25

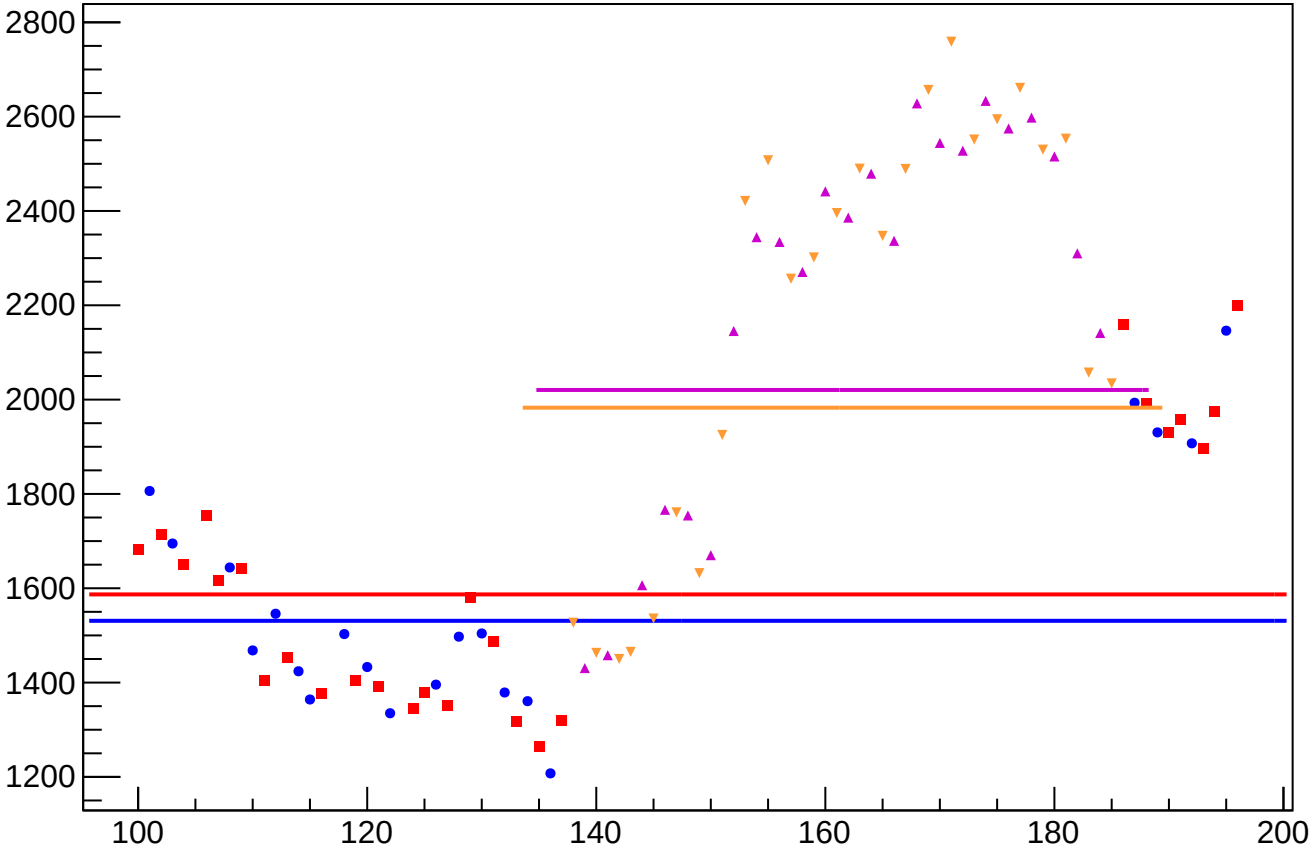
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 14.210+/-0.339 χ^2/NDF: 3540.8/44

All: 9.714+/-0.238 χ^2/NDF: 5667.6/93

\- sign 5.302+/-0.336 χ^2/NDF: 1777.8/48

diff_bpm0l01Y_rms vs Slug



Right In: 1530.969+/-0.351 χ^2/NDF: 516820.3/19

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1586.950+/-0.329 χ^2/NDF: 680722.3/25

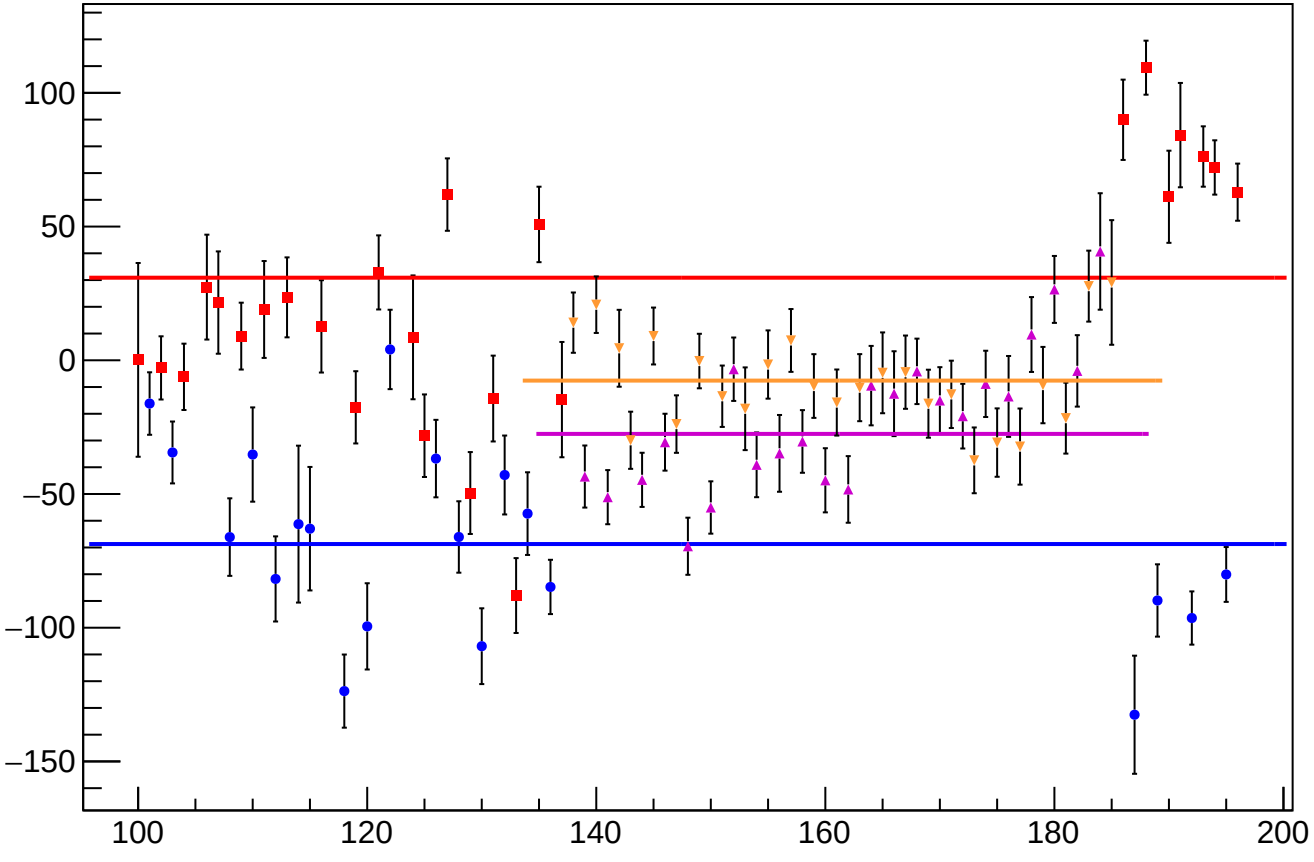
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1772.397+/-0.240 χ^2/NDF: 3380278.5/44

All: 1784.053+/-0.169 χ^2/NDF: 6513726.2/93

- sign 1795.492+/-0.237 χ^2/NDF: 3128755.3/48

diff_bpm0l02X_mean vs Slug



Right In: -68.712+/-3.094 χ^2/NDF: 115.3/19

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 30.880+/-2.815 χ^2/NDF: 298.8/25

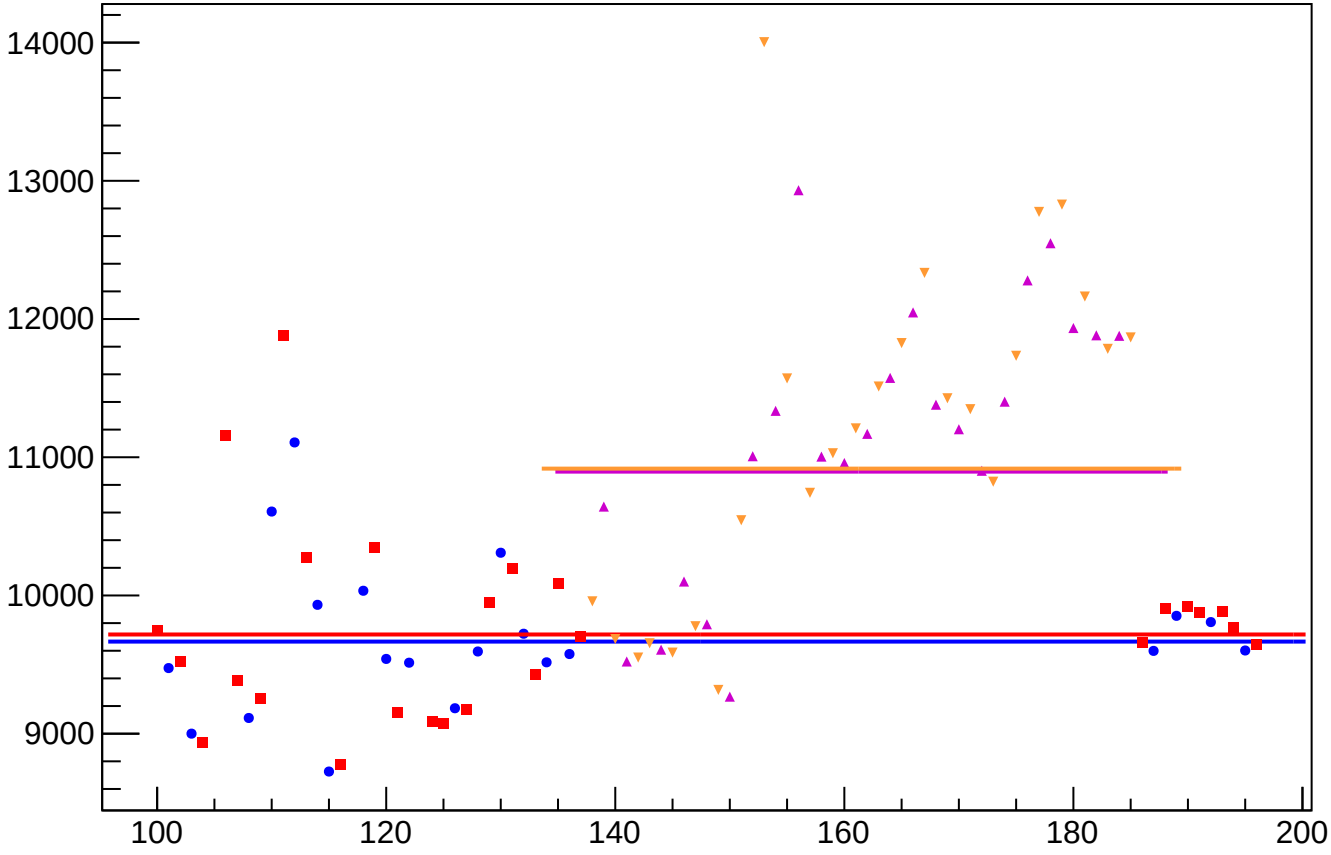
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -31.676+/-1.942 χ^2/NDF: 399.6/44

All: -16.004+/-1.355 χ^2/NDF: 1154.3/93

- sign -1.126+/-1.892 χ^2/NDF: 627.8/48

diff_bpm0l02X_rms vs Slug



Right In: 9666.295+/-2.188 χ^2/NDF: 45055.1/19

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9717.716+/-1.990 χ^2/NDF: 81962.2/25

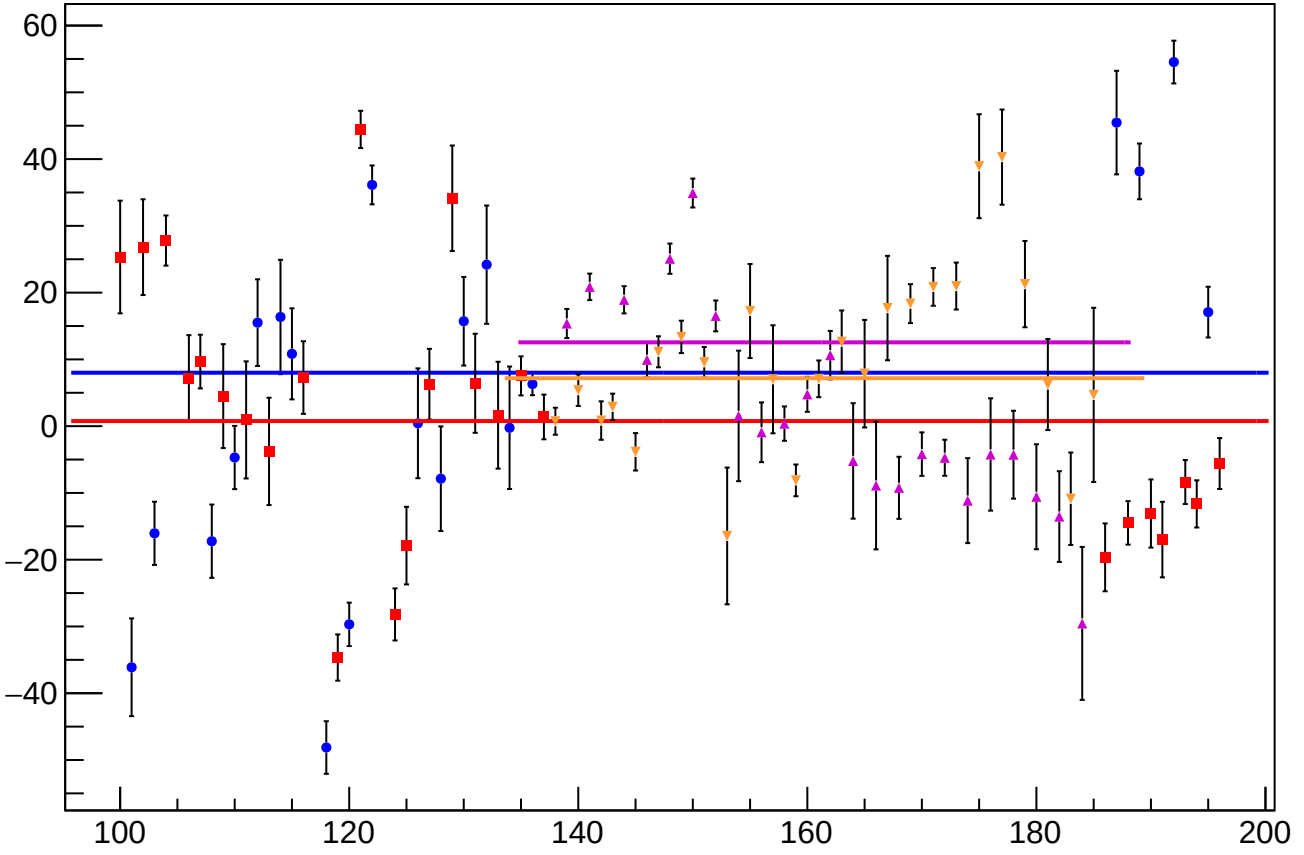
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10424.626+/-1.373 χ^2/NDF: 669139.2/44

All: 10393.213+/-0.958 χ^2/NDF: 1242222.2/9

- sign 10363.391+/-1.338 χ^2/NDF: 572063.2/48

diff_bpm0l02Y_mean vs Slug



Right In: 8.006+/-0.930 χ^2/NDF: 827.6/19

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 0.768+/-0.873 χ^2/NDF: 599.7/25

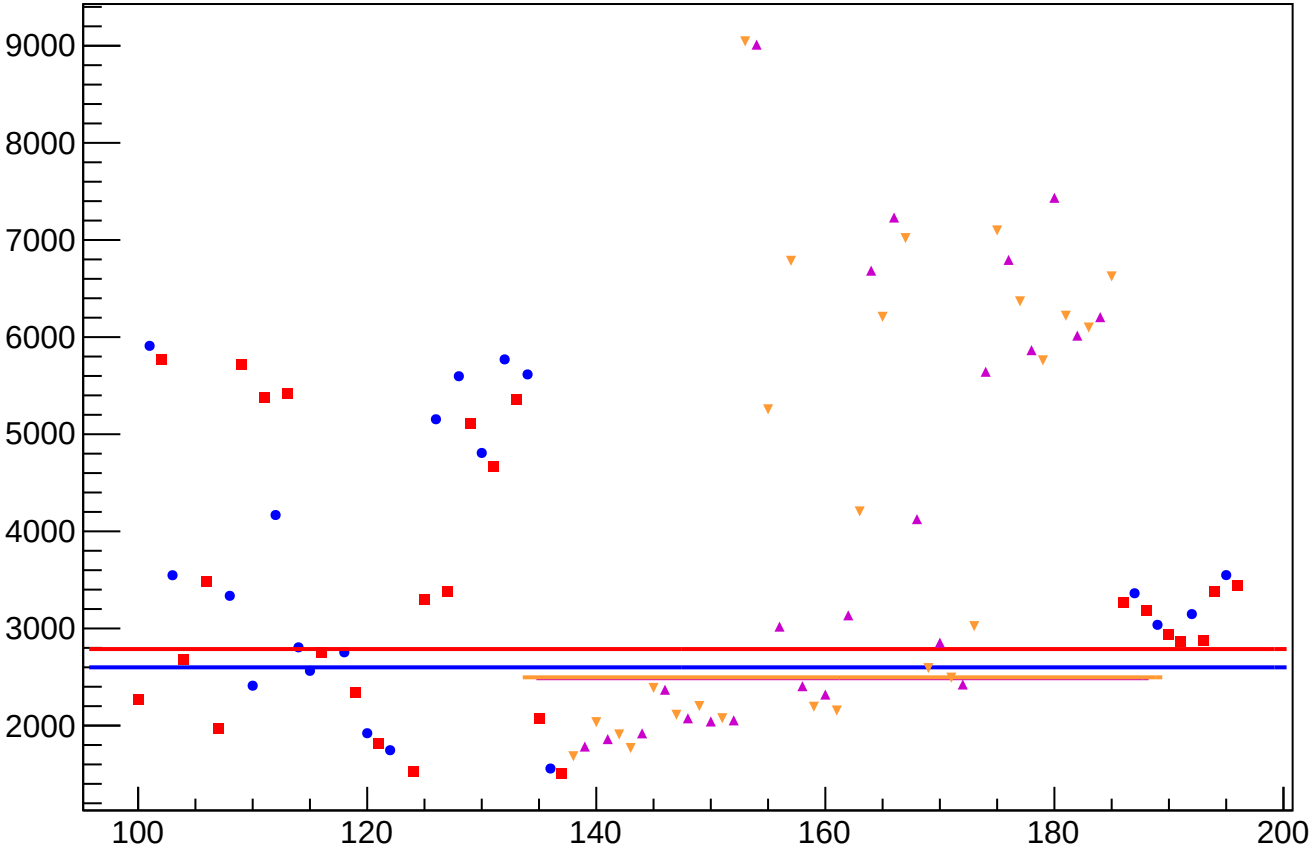
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.456+/-0.535 χ^2/NDF: 1029.8/44

All: 7.867+/-0.375 χ^2/NDF: 2118.6/93

- sign 8.265+/-0.527 χ^2/NDF: 1087.6/48

diff_bpm0l02Y_rms vs Slug



Right In: 2599.688+/-0.658 χ^2/NDF: 3094183.8/19

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2788.001+/-0.618 χ^2/NDF: 2743919.9/25

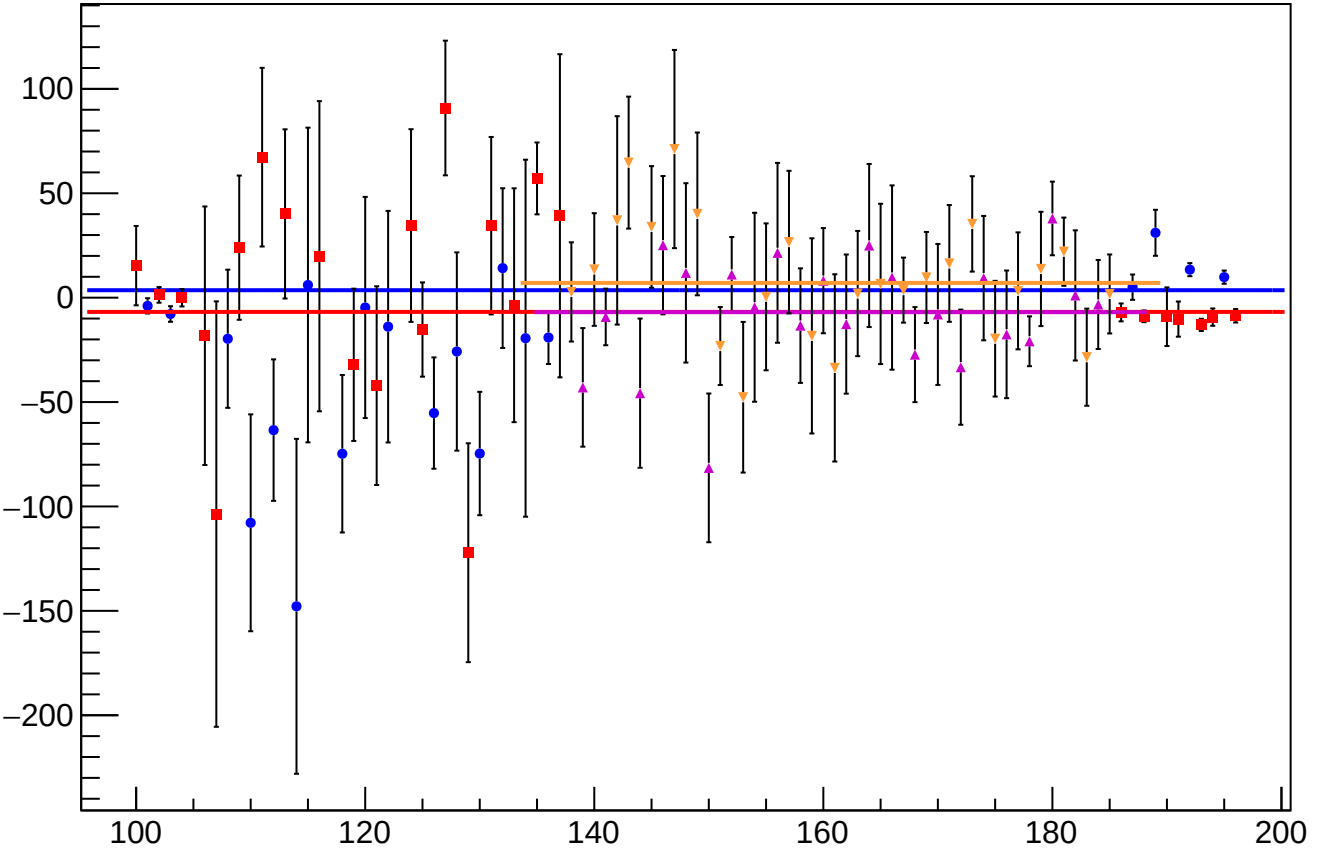
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2530.812+/-0.378 χ^2/NDF: 10316393.1/44

All: 2564.393+/-0.265 χ^2/NDF: 19329714.6/9

- sign 2596.982+/-0.373 χ^2/NDF: 8997782.5/48

diff_bpm0l03X_mean vs Slug



Right In: 3.574+/-1.583 χ^2/NDF: 66.3/19

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -6.819+/-1.274 χ^2/NDF: 52.0/25

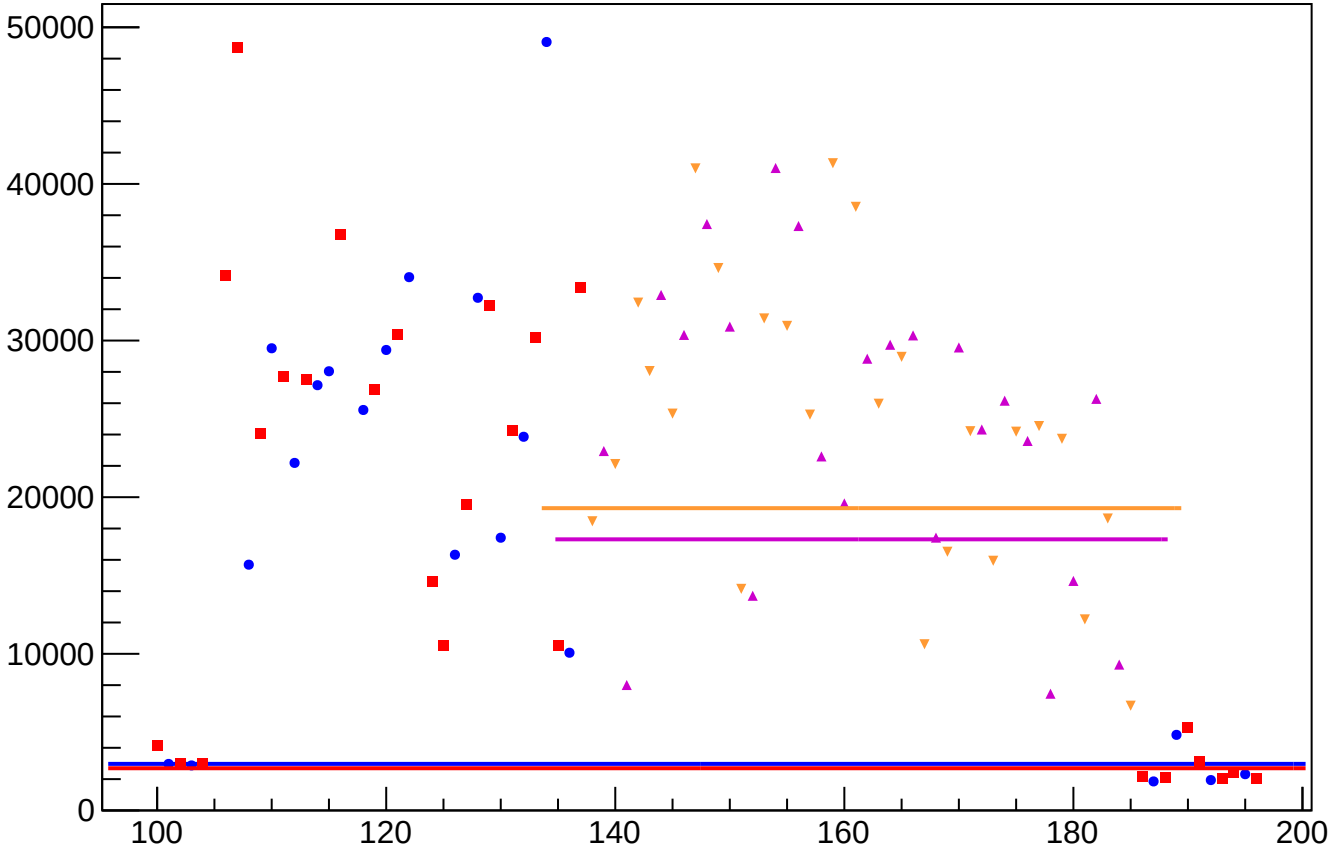
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 3.867+/-1.515 χ^2/NDF: 86.3/44

All: -2.553+/-0.958 χ^2/NDF: 189.2/93

- sign -6.827+/-1.236 χ^2/NDF: 73.1/48

diff_bpm0l03X_rms vs Slug



Right In: 2973.689+/-1.120 χ^2/NDF: 7708294.2/19

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2694.799+/-0.901 χ^2/NDF: 8795946.4/25

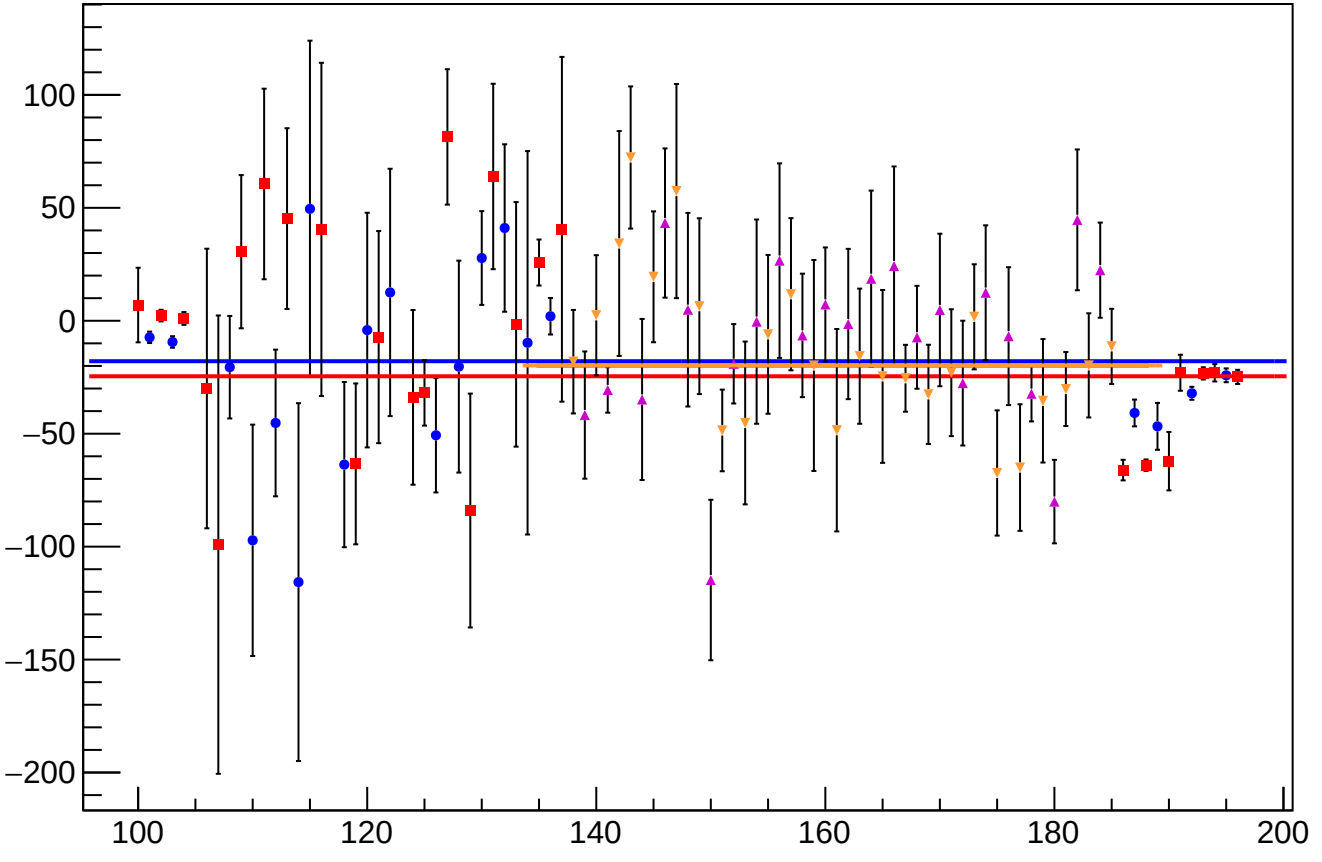
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4345.478+/-1.071 χ^2/NDF: 30612958.6/44

All: 3871.915+/-0.677 χ^2/NDF: 61966181.1/9

- sign 3556.718+/-0.874 χ^2/NDF: 31027873.9/48

diff_bpm0l03Y_mean vs Slug



Right In: -17.903+/-1.288 χ^2/NDF: 102.5/19

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -24.571+/-1.096 χ^2/NDF: 585.3/25

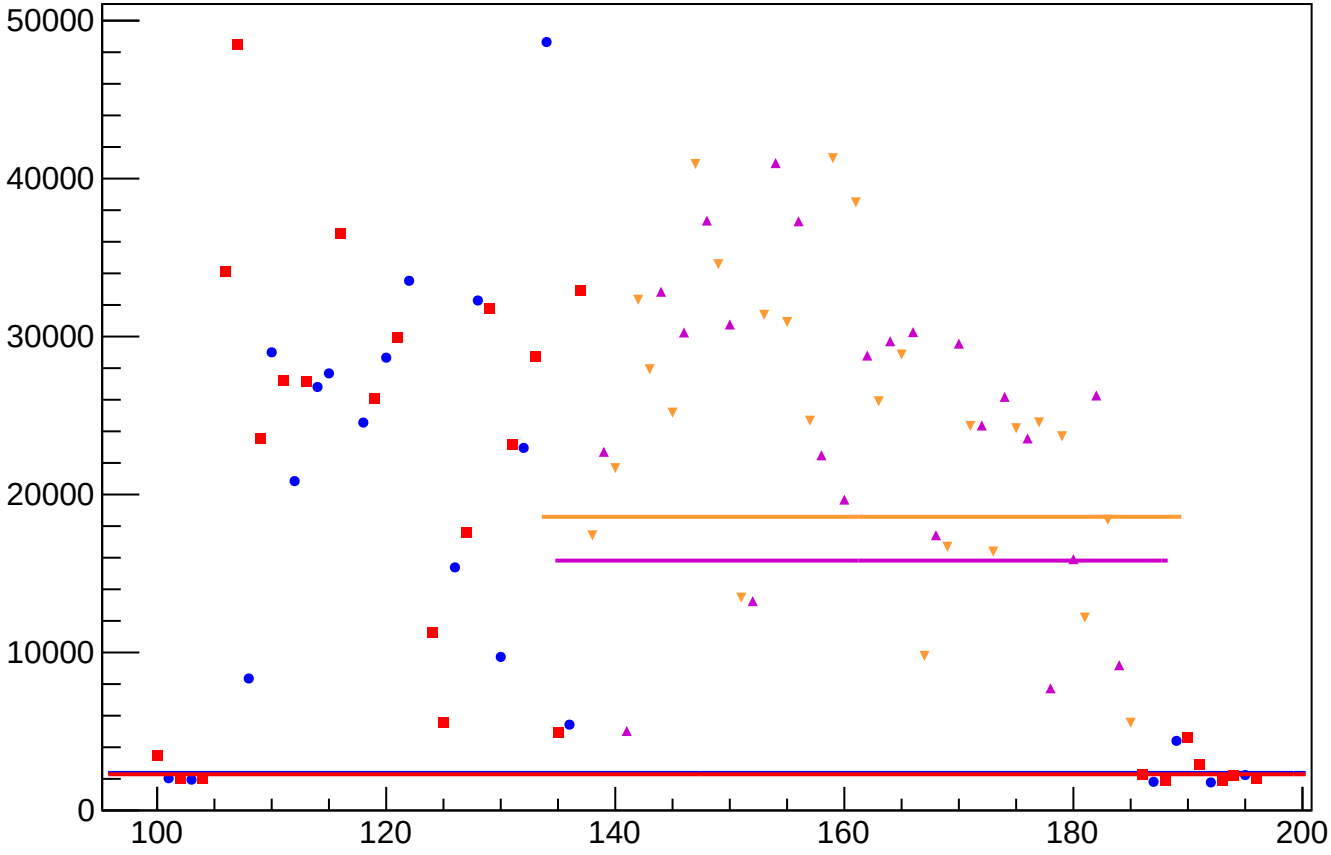
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -18.014+/-1.249 χ^2/NDF: 130.4/44

All: -21.666+/-0.812 χ^2/NDF: 771.7/93

- sign -24.340+/-1.069 χ^2/NDF: 626.5/48

diff_bpm0l03Y_rms vs Slug



Right In: 2376.099+/-0.911 χ^2/NDF: 7009214.0/19

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2290.959+/-0.775 χ^2/NDF: 8299621.8/25

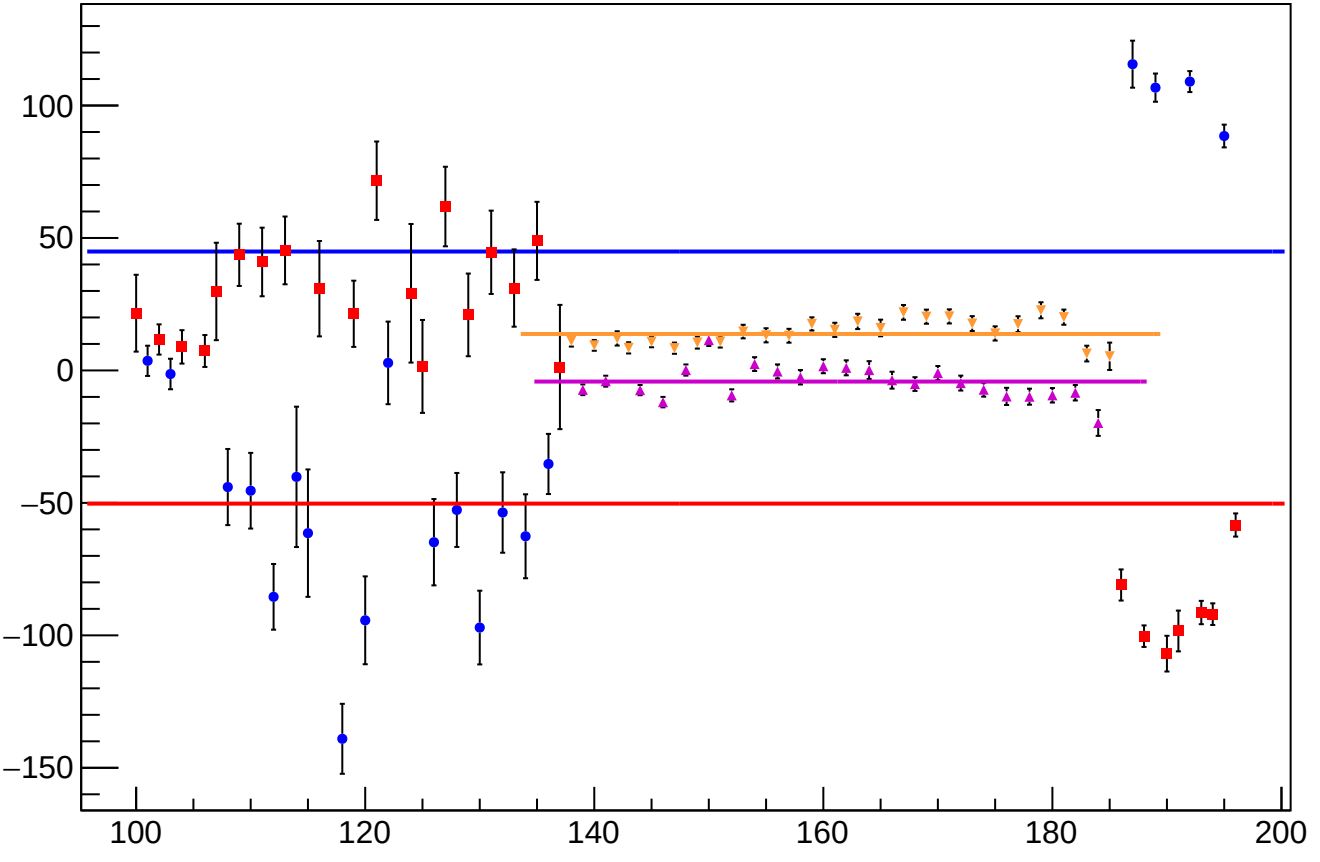
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3341.949+/-0.883 χ^2/NDF: 31592222.4/44

All: 3115.113+/-0.574 χ^2/NDF: 63240343.2/9

- sign 2948.990+/-0.756 χ^2/NDF: 31533816.9/48

diff_bpm0l04X_mean vs Slug



Right In: 44.887+/-1.857 χ^2/NDF: 1507.4/19

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -50.276+/-1.499 χ^2/NDF: 1326.9/25

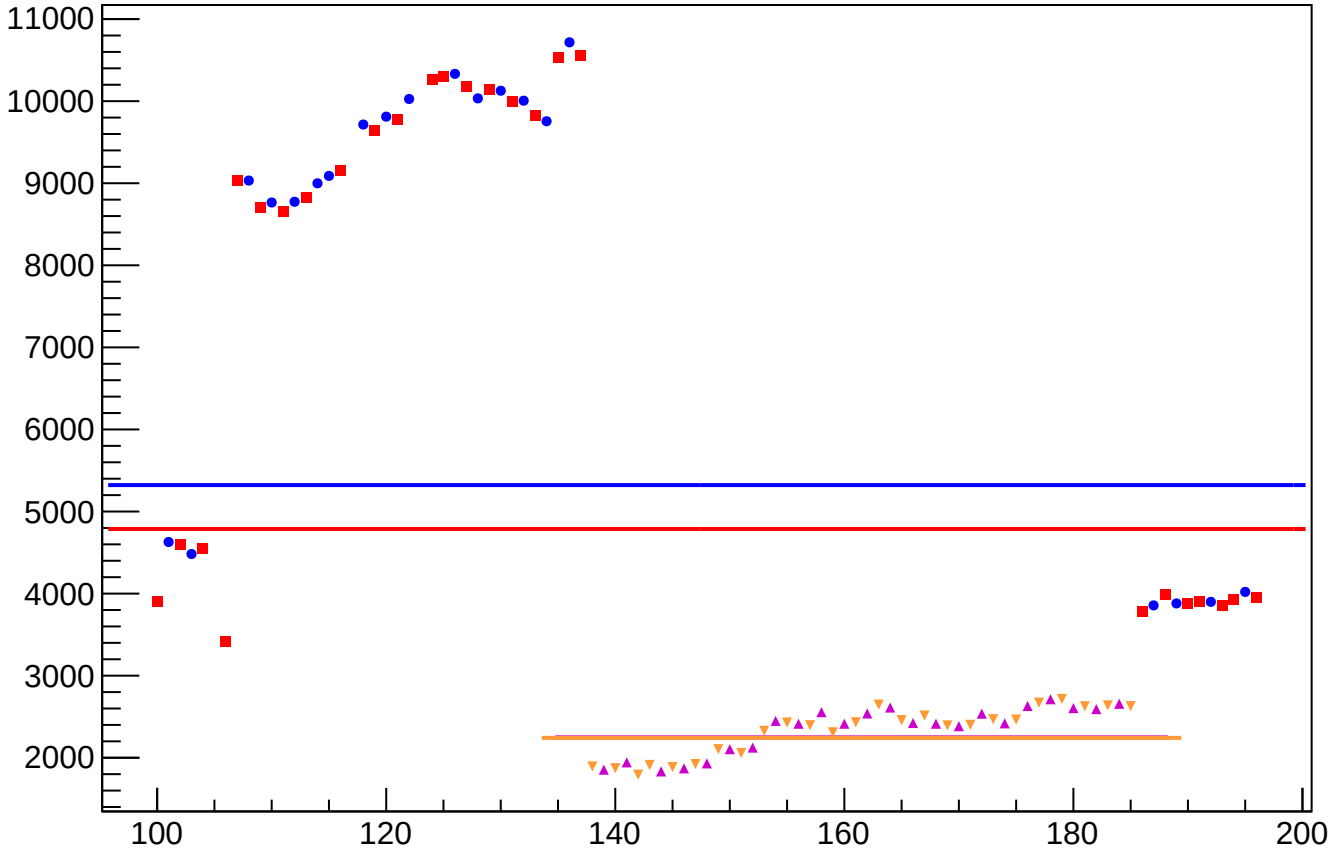
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 15.975+/-0.495 χ^2/NDF: 1845.6/44

All: 3.437+/-0.352 χ^2/NDF: 5428.7/93

- sign -9.323+/-0.500 χ^2/NDF: 2290.5/48

diff_bpm0l04X_rms vs Slug



Right In: 5322.265+/-1.313 χ^2/NDF: 3211194.8/19

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4787.141+/-1.060 χ^2/NDF: 3581228.4/25

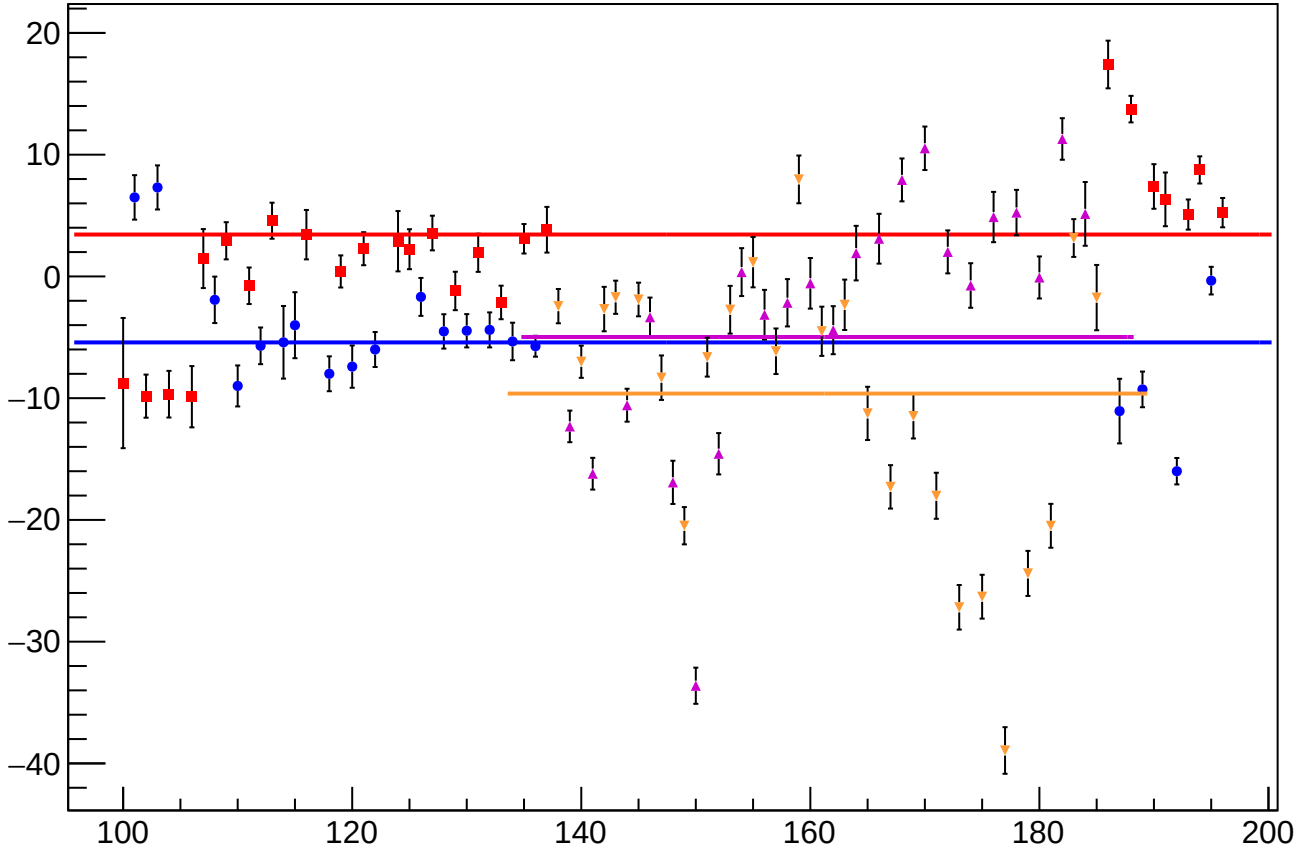
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2461.458+/-0.350 χ^2/NDF: 8977958.3/44

All: 2495.795+/-0.249 χ^2/NDF: 18319383.2/9

- sign 2530.738+/-0.353 χ^2/NDF: 9322037.8/48

diff_bpm0l04Y_mean vs Slug



Right In: -5.420+/-0.330 χ^2/NDF: 238.4/19

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 3.441+/-0.305 χ^2/NDF: 351.4/25

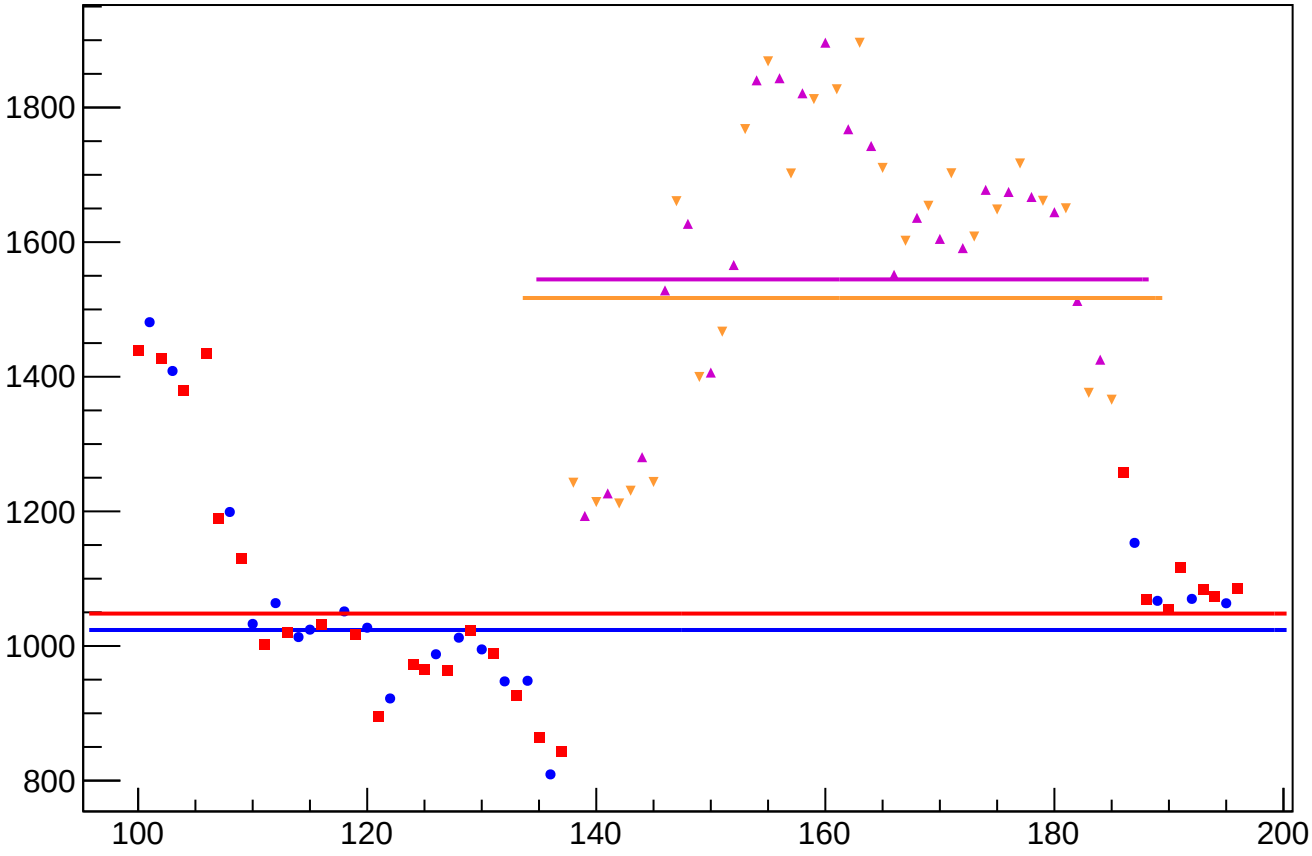
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.405+/-0.240 χ^2/NDF: 1249.1/44

All: -3.626+/-0.168 χ^2/NDF: 3327.7/93

- sign -0.028+/-0.234 χ^2/NDF: 1594.3/48

diff_bpm0l04Y_rms vs Slug



Right In: 1023.771+/-0.234 χ^2/NDF: 394811.9/19

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1048.162+/-0.216 χ^2/NDF: 383524.5/25

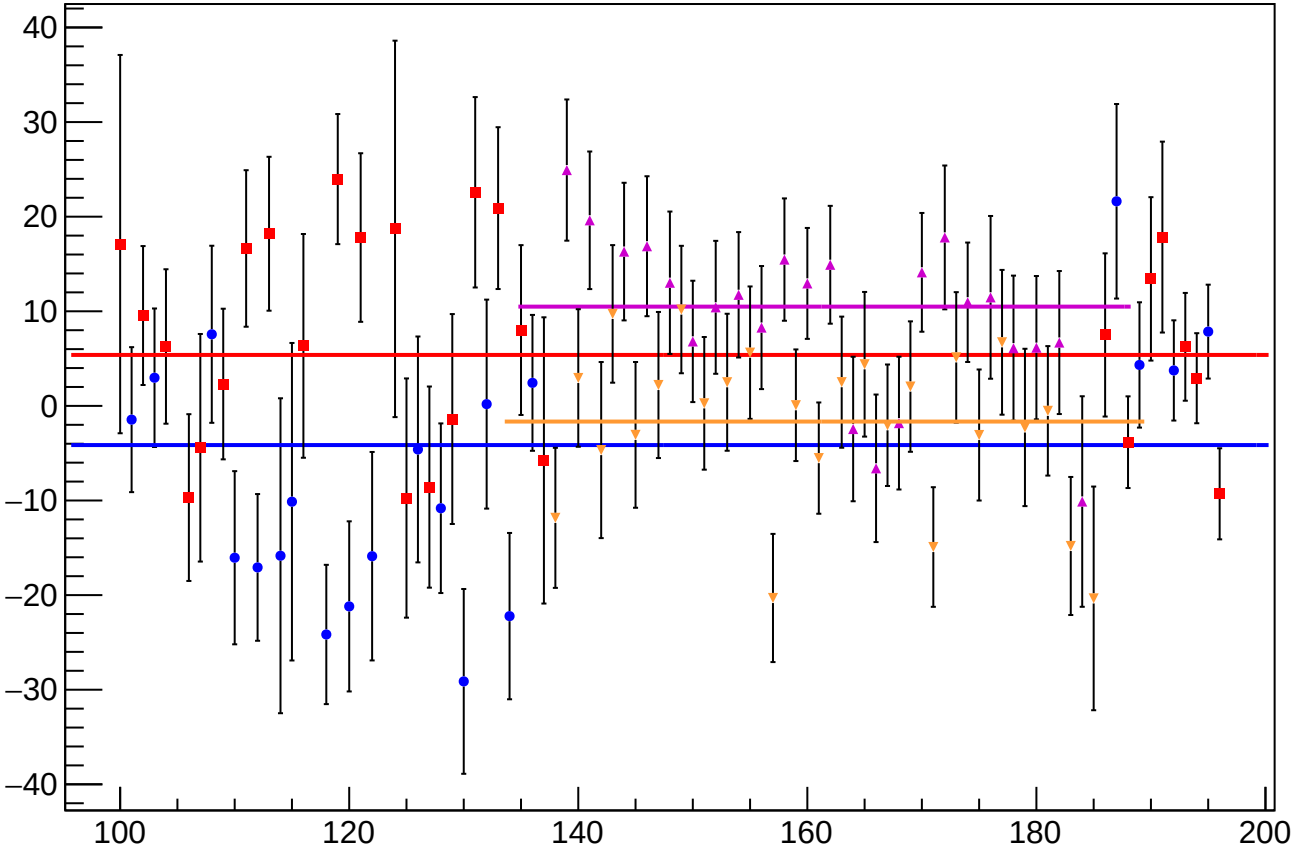
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1256.747+/-0.170 χ^2/NDF: 3334415.3/44

All: 1254.730+/-0.118 χ^2/NDF: 6536321.2/93

- sign 1252.810+/-0.166 χ^2/NDF: 3201630.0/48

diff_bpm0l05X_mean vs Slug



Right In: -4.140+/-1.823 χ^2/NDF: 48.2/19

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

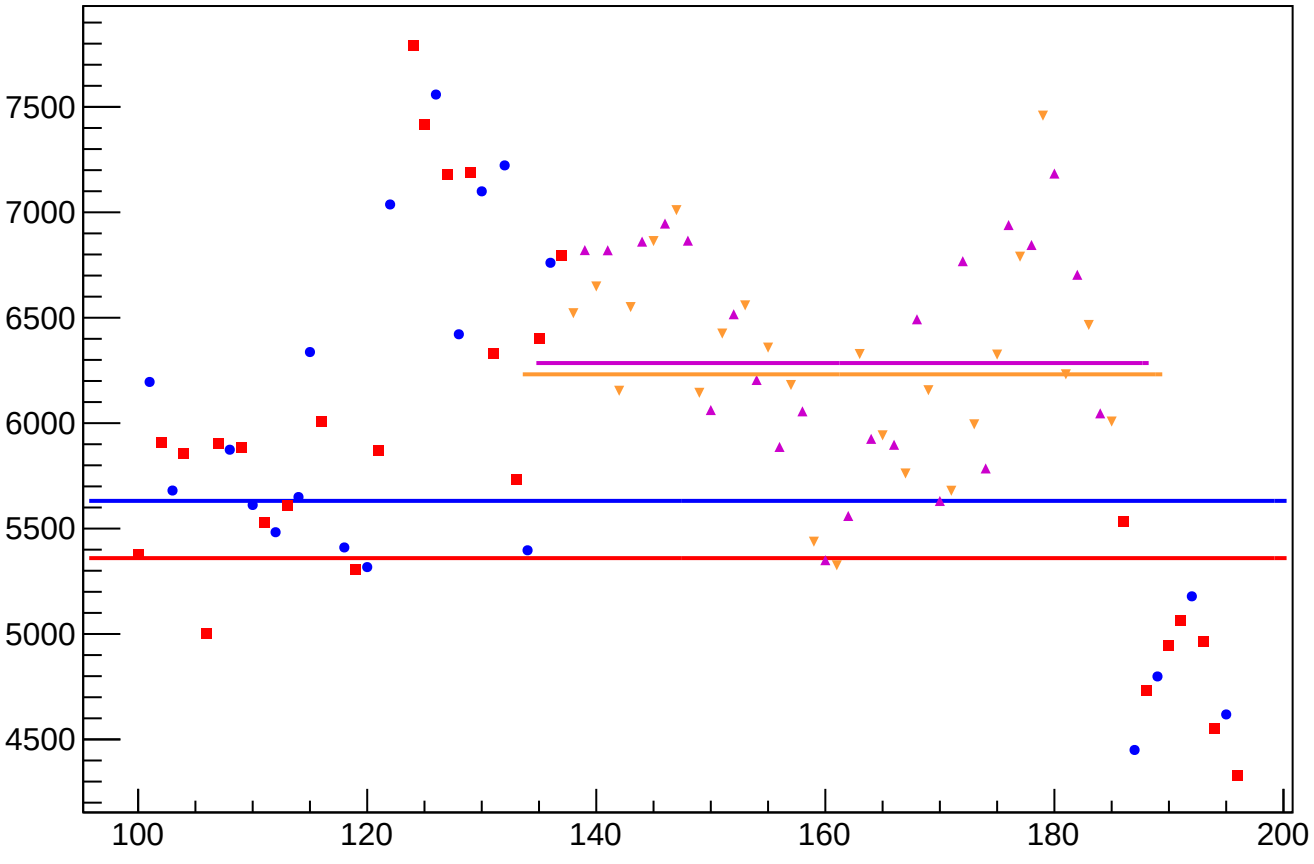
Right Out: 5.387+/-1.570 χ^2/NDF: 44.5/25

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -2.599+/-1.123 χ^2/NDF: 80.8/44

All: 2.972+/-0.777 χ^2/NDF: 203.0/93

- sign 8.091+/-1.077 χ^2/NDF: 75.0/48



Right In: 5631.376+/-1.289 χ^2/NDF: 414559.6/19

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5359.853+/-1.110 χ^2/NDF: 512468.3/25

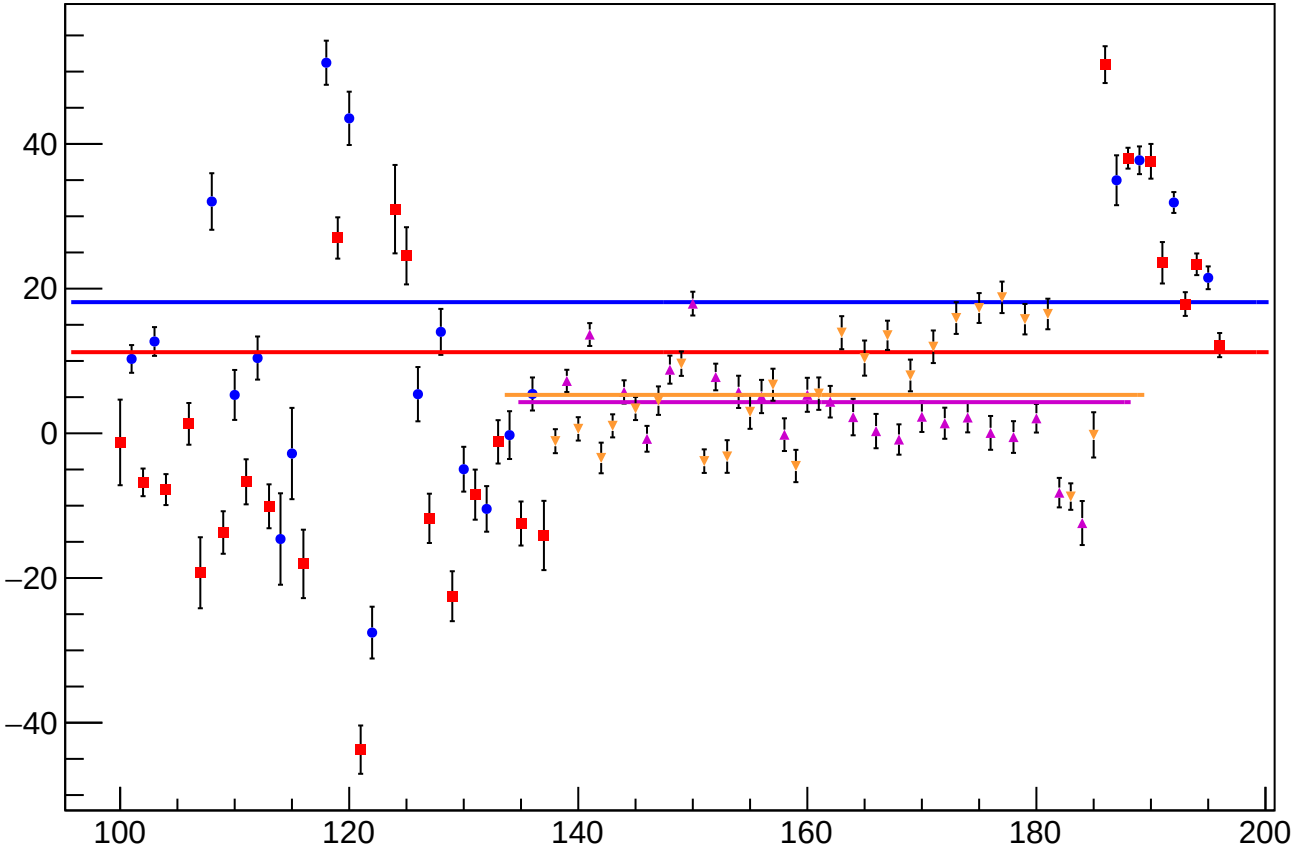
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6003.693+/-0.794 χ^2/NDF: 775983.9/44

All: 5923.502+/-0.550 χ^2/NDF: 1941199.1/93

- sign 5849.817+/-0.761 χ^2/NDF: 1145658.7/48

diff_bpm0l05Y_mean vs Slug



Right In: 18.132+/-0.578 χ^2/NDF: 860.5/19

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

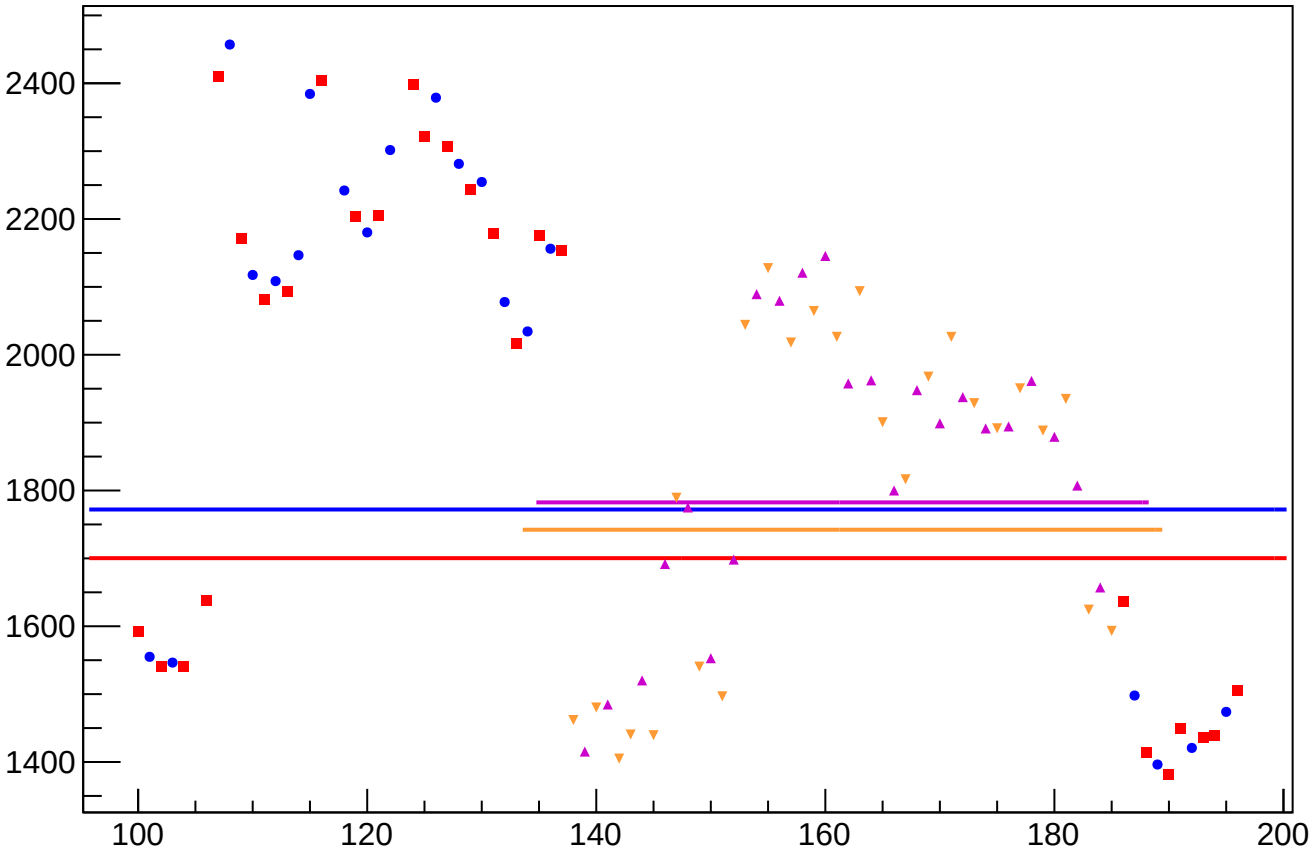
Right Out: 11.218+/-0.501 χ^2/NDF: 1829.0/25

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 9.471+/-0.329 χ^2/NDF: 1571.2/44

All: 8.291+/-0.230 χ^2/NDF: 3757.4/93

\- sign 7.161+/-0.322 χ^2/NDF: 2161.0/48



Right In: 1772.017+/-0.409 χ^2/NDF: 820221.1/19

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1700.326+/-0.354 χ^2/NDF: 922349.0/25

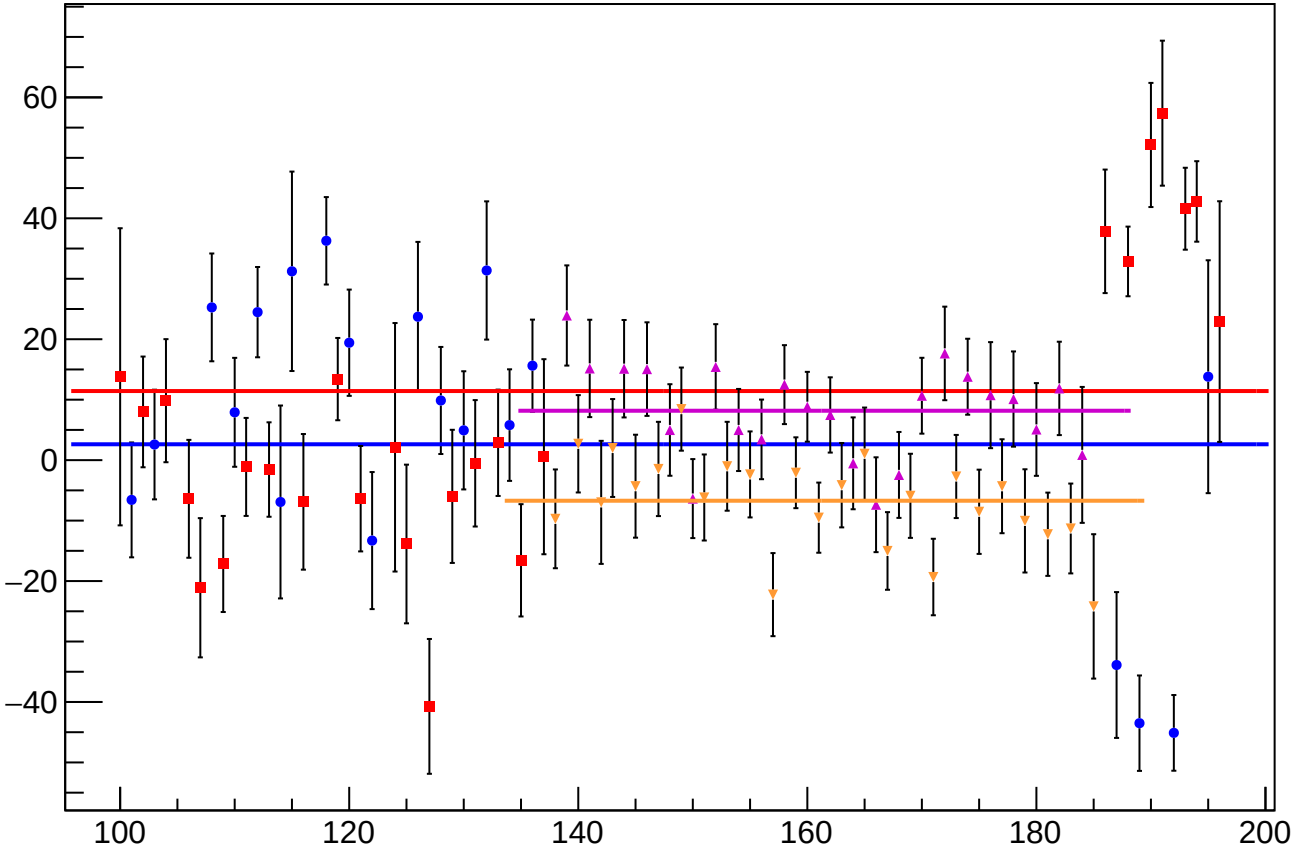
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1751.884+/-0.233 χ^2/NDF: 1591479.4/44

All: 1750.197+/-0.163 χ^2/NDF: 3079896.3/93

- sign 1748.583+/-0.228 χ^2/NDF: 1488314.1/48

diff_bpm0l06X_mean vs Slug



Right In: 2.625+/-2.080 χ^2/NDF: 161.7/19

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.429+/-1.837 χ^2/NDF: 169.9/25

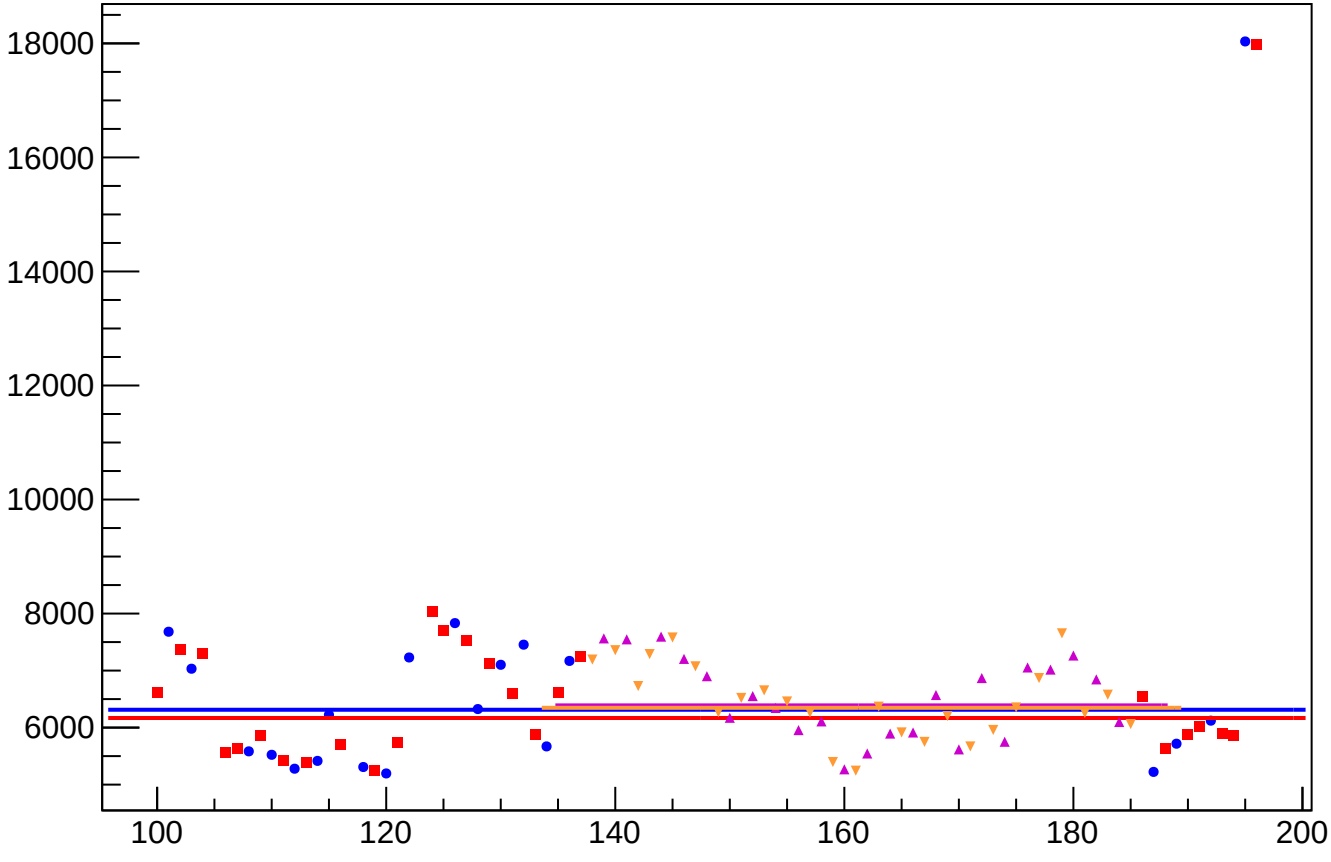
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.638+/-1.194 χ^2/NDF: 200.9/44

All: 3.076+/-0.834 χ^2/NDF: 458.7/93

- sign 9.485+/-1.166 χ^2/NDF: 196.0/48

diff_bpm0l06X_rms vs Slug



Right In: 6313.084+/-1.471 χ^2/NDF: 1079871.2/19

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6168.415+/-1.299 χ^2/NDF: 998106.1/25

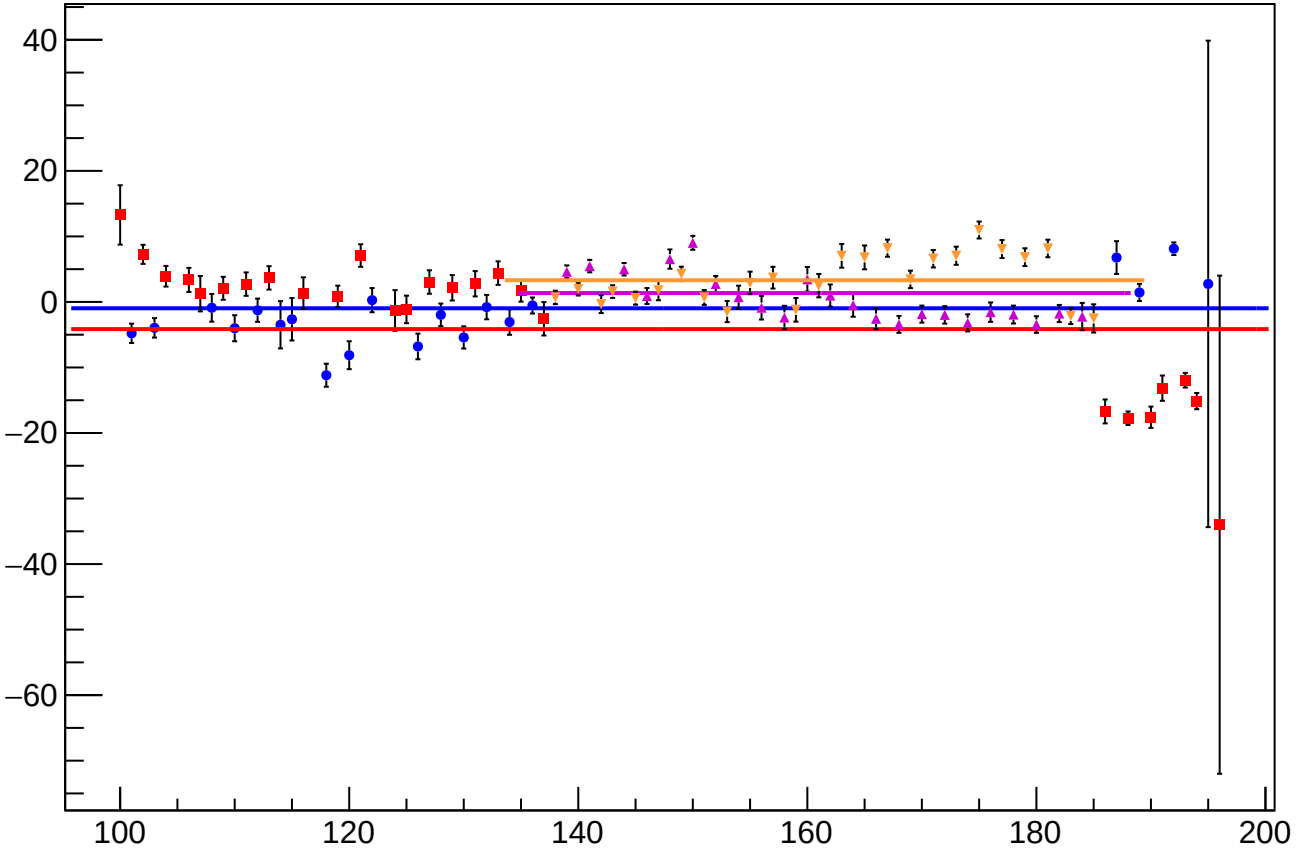
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6336.024+/-0.844 χ^2/NDF: 1466259.3/44

All: 6317.741+/-0.590 χ^2/NDF: 2902319.4/93

- sign 6300.289+/-0.825 χ^2/NDF: 1435143.3/48

diff_bpm0l06Y_mean vs Slug



Right In: -0.969+/-0.386 χ^2/NDF: 178.9/19

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.148+/-0.342 χ^2/NDF: 745.0/25

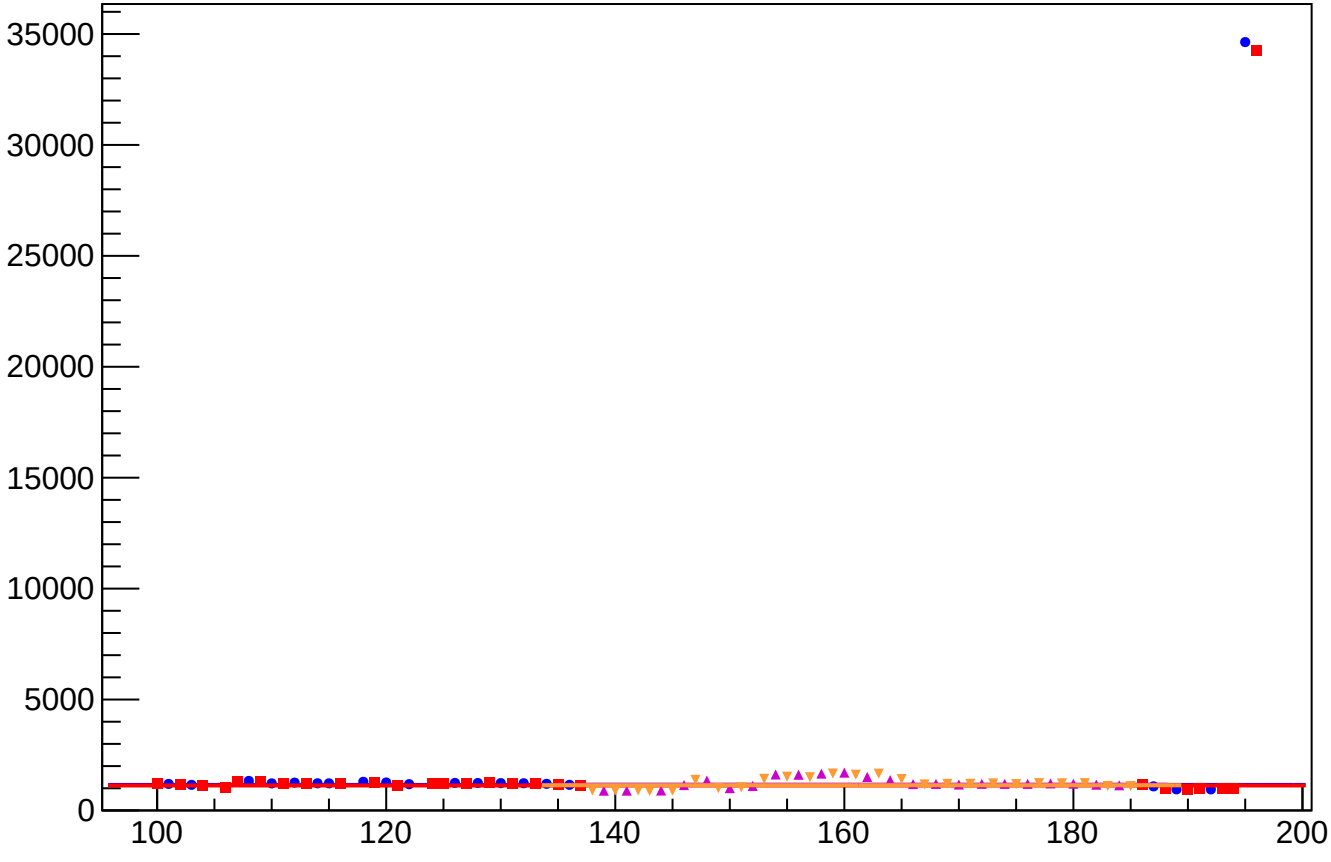
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 440.5/44

All: 0.542+/-0.153 χ^2/NDF: 1619.7/93

- sign -0.821+/-0.215 χ^2/NDF: 1097.7/48

diff_bpm0l06Y_rms vs Slug



Right In: 1151.348+/-0.273 χ^2/NDF: 1827960.9/19

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1125.921+/-0.242 χ^2/NDF: 1737411.0/25

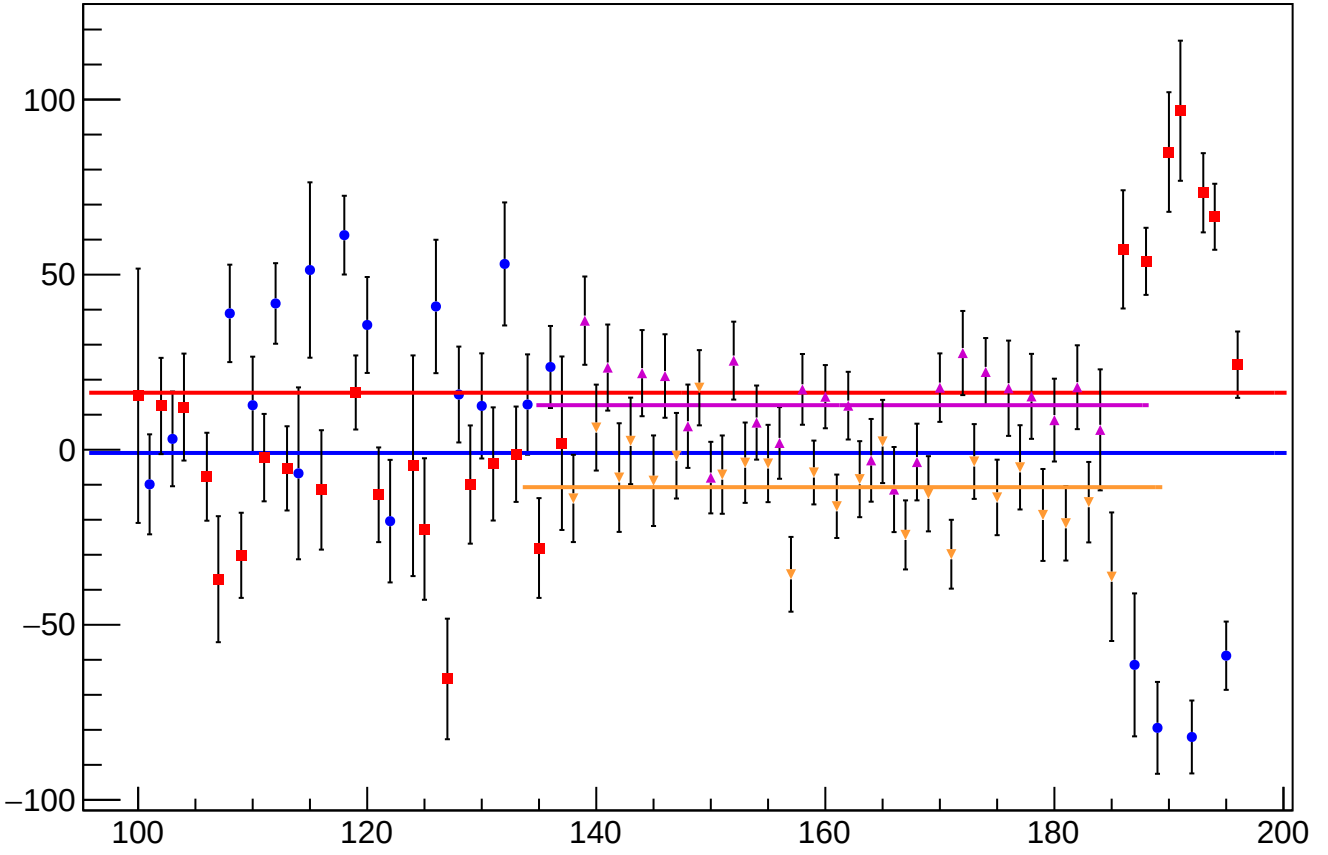
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1141.685+/-0.154 χ^2/NDF: 3299488.2/44

All: 1143.964+/-0.108 χ^2/NDF: 6308726.2/93

- sign 1146.181+/-0.152 χ^2/NDF: 3008807.2/48

diff_bpm0l07X_mean vs Slug



Right In: -0.925+/-3.102 χ^2/NDF: 229.2/19

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 16.274+/-2.728 χ^2/NDF: 190.5/25

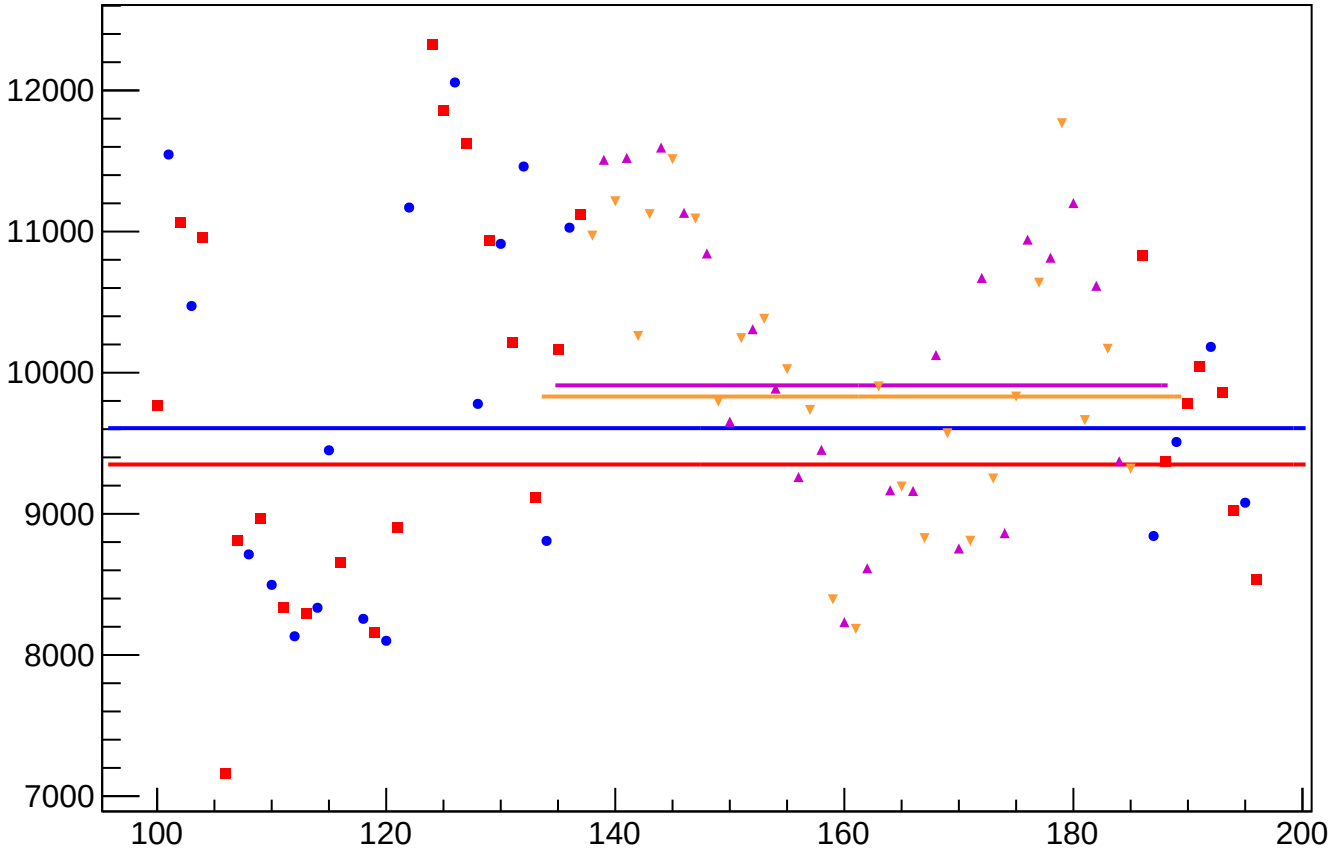
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -7.313+/-1.825 χ^2/NDF: 264.4/44

All: 3.747+/-1.273 χ^2/NDF: 551.5/93

- sign 14.226+/-1.777 χ^2/NDF: 215.5/48

diff_bpm0l07X_rms vs Slug



Right In: 9607.219+/-2.193 χ^2/NDF: 294742.1/19

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9349.765+/-1.929 χ^2/NDF: 342121.8/25

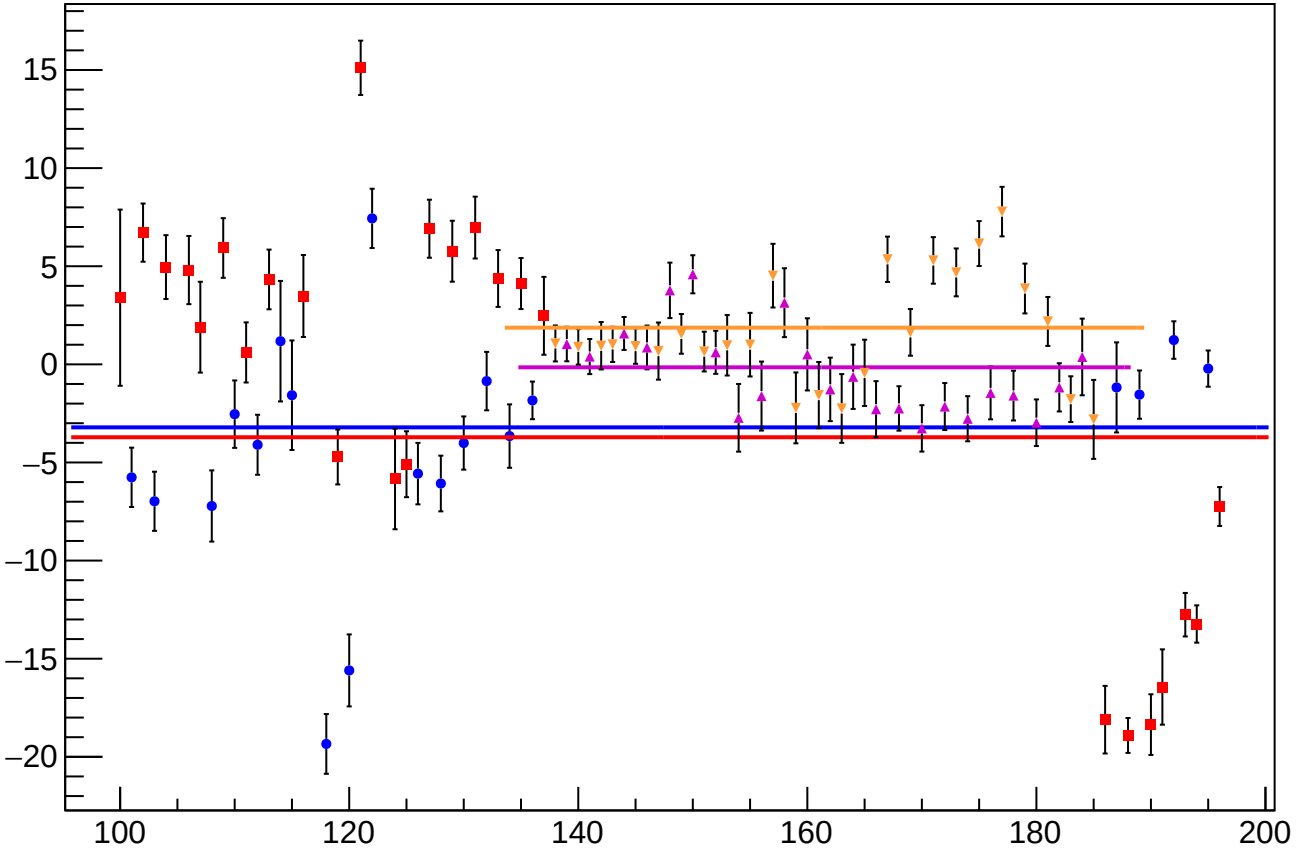
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9753.720+/-1.291 χ^2/NDF: 657691.1/44

All: 9712.065+/-0.900 χ^2/NDF: 1439840.2/93

- sign 9672.600+/-1.256 χ^2/NDF: 780120.2/48

diff_bpm0l07Y_mean vs Slug



Right In: -3.211+/-0.319 χ^2/NDF: 270.5/19

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.714+/-0.285 χ^2/NDF: 1271.8/25

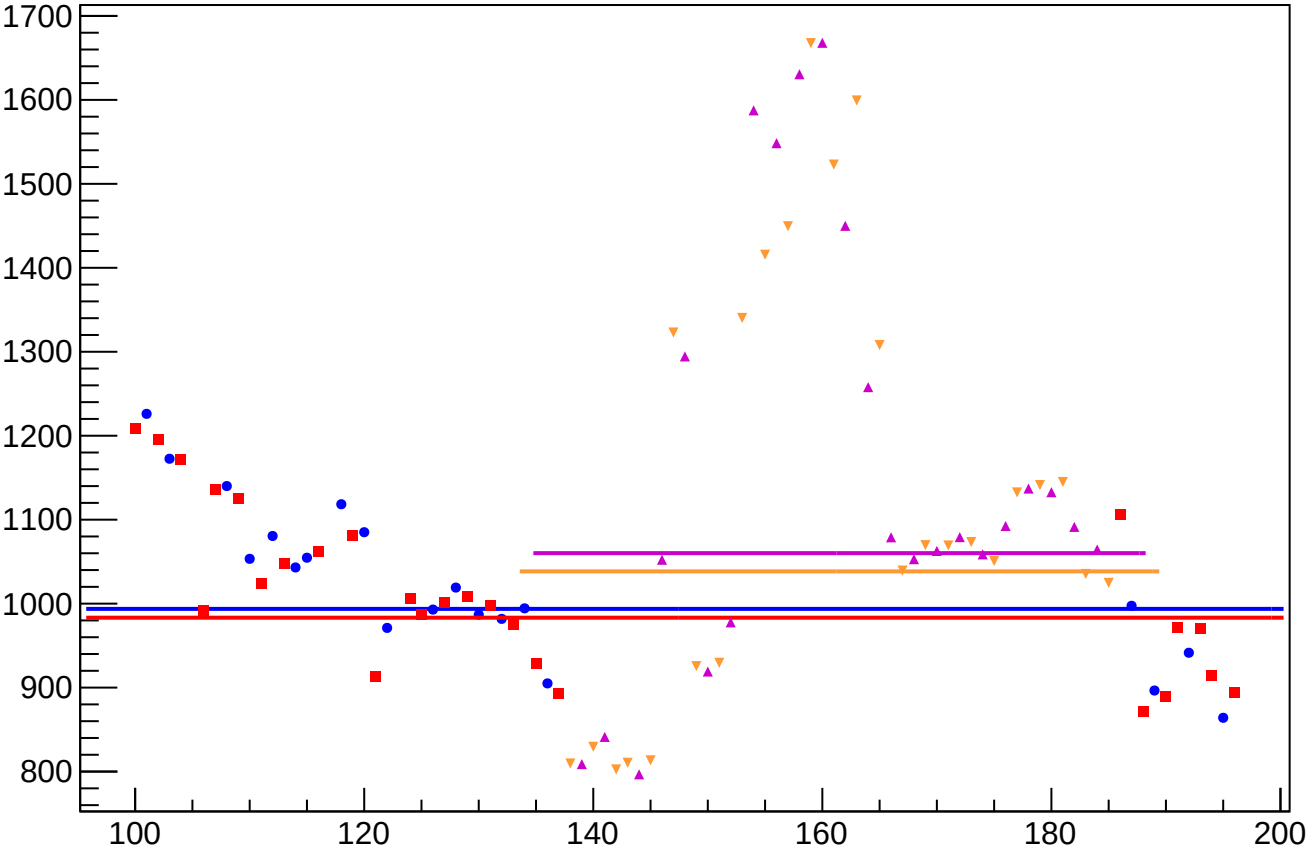
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.006+/-0.193 χ^2/NDF: 534.5/44

All: -0.877+/-0.135 χ^2/NDF: 2009.9/93

- sign -1.730+/-0.190 χ^2/NDF: 1434.3/48

diff_bpm0l07Y_rms vs Slug



Right In: 993.764+/-0.225 χ^2/NDF: 193463.0/19

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 983.266+/-0.202 χ^2/NDF: 206730.6/25

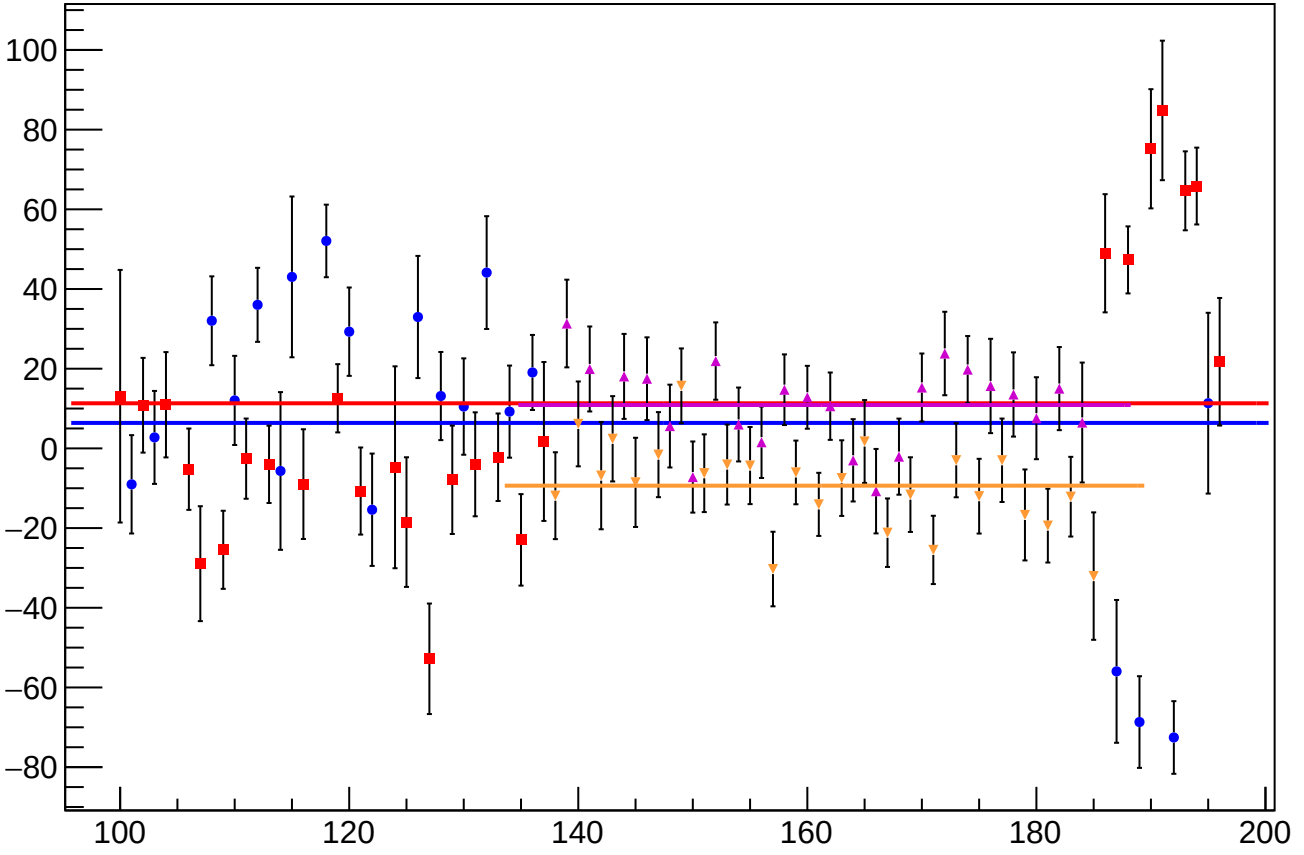
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1022.031+/-0.137 χ^2/NDF: 1924976.4/44

All: 1024.096+/-0.096 χ^2/NDF: 3736282.4/93

- sign 1026.093+/-0.134 χ^2/NDF: 1810856.1/48

diff_bpm0l08X_mean vs Slug



Right In: 6.393+/-2.678 χ^2/NDF: 195.1/19

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

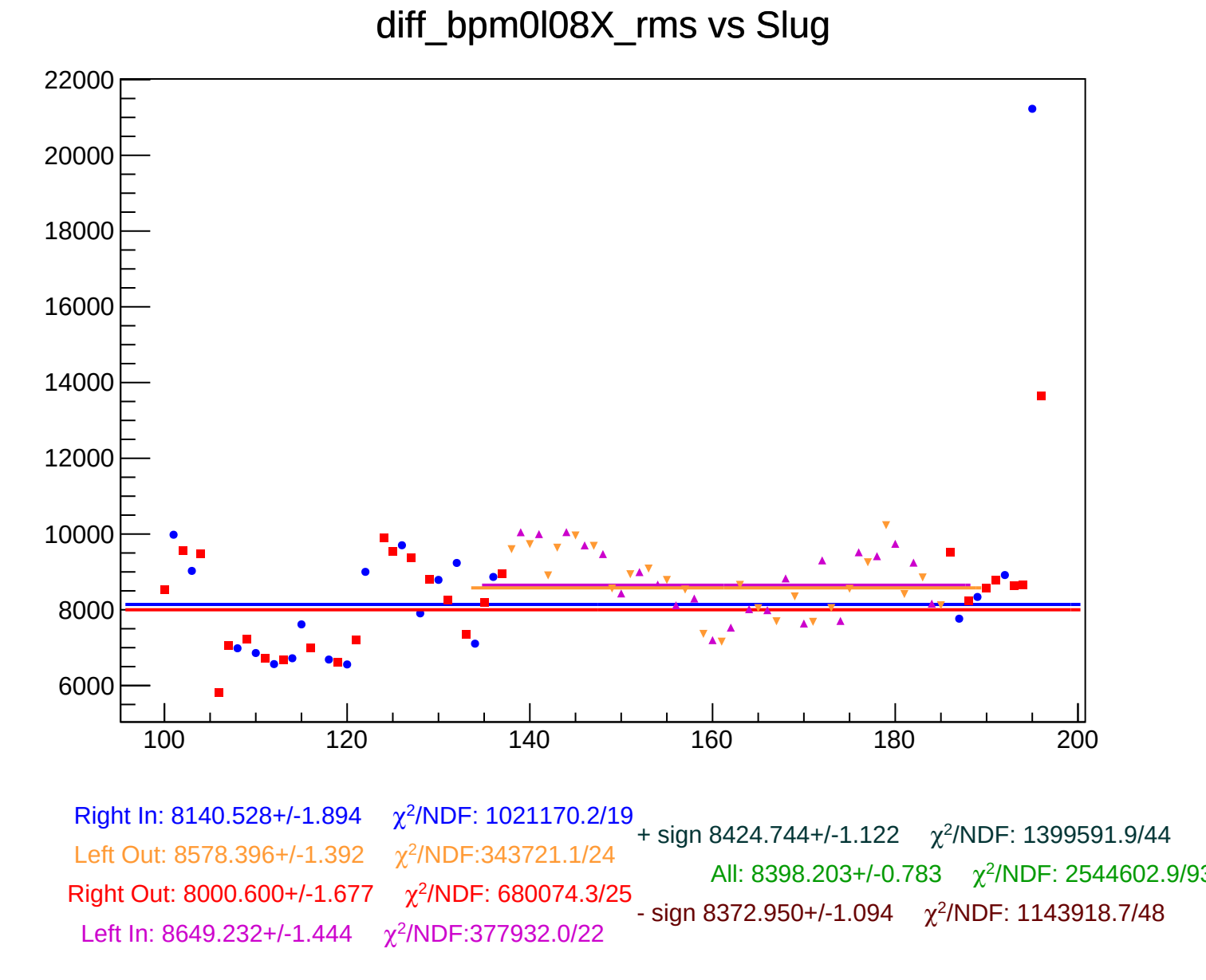
Right Out: 11.320+/-2.371 χ^2/NDF: 196.3/25

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

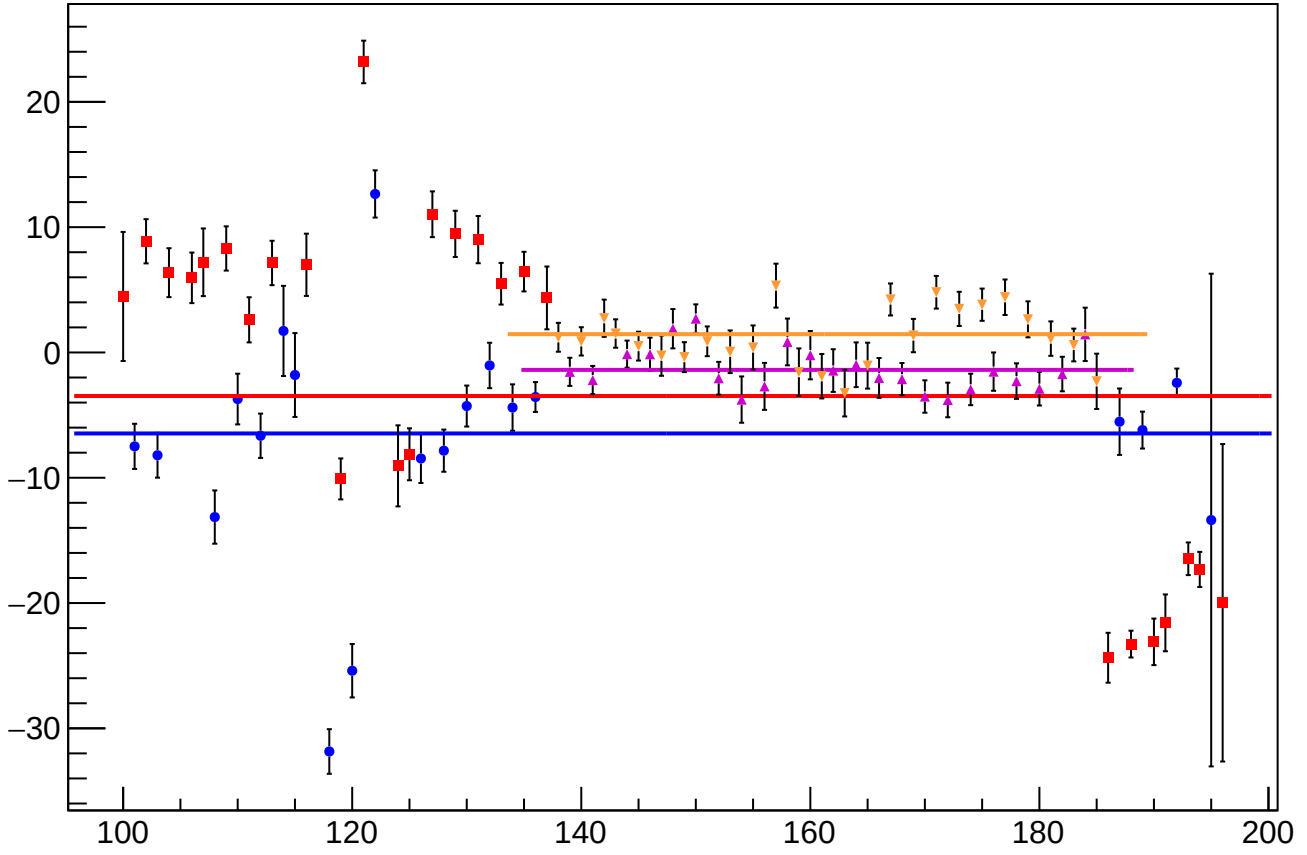
+ sign -3.829+/-1.586 χ^2/NDF: 246.0/44

All: 3.808+/-1.108 χ^2/NDF: 511.1/93

- sign 11.074+/-1.548 χ^2/NDF: 219.9/48


diff_bpm0l08X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 8140.528+/-1.894 χ²/NDF: 1021170.2/19
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8000.600+/-1.677 χ²/NDF: 680074.3/25
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
+ sign 8424.744+/-1.122 χ²/NDF: 1399591.9/44
All: 8398.203+/-0.783 χ²/NDF: 2544602.9/93
- sign 8372.950+/-1.094 χ²/NDF: 1143918.7/48

diff_bpm0l08Y_mean vs Slug



Right In: -6.464+/-0.406 χ^2/NDF: 437.6/19

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.476+/-0.361 χ^2/NDF: 1555.9/25

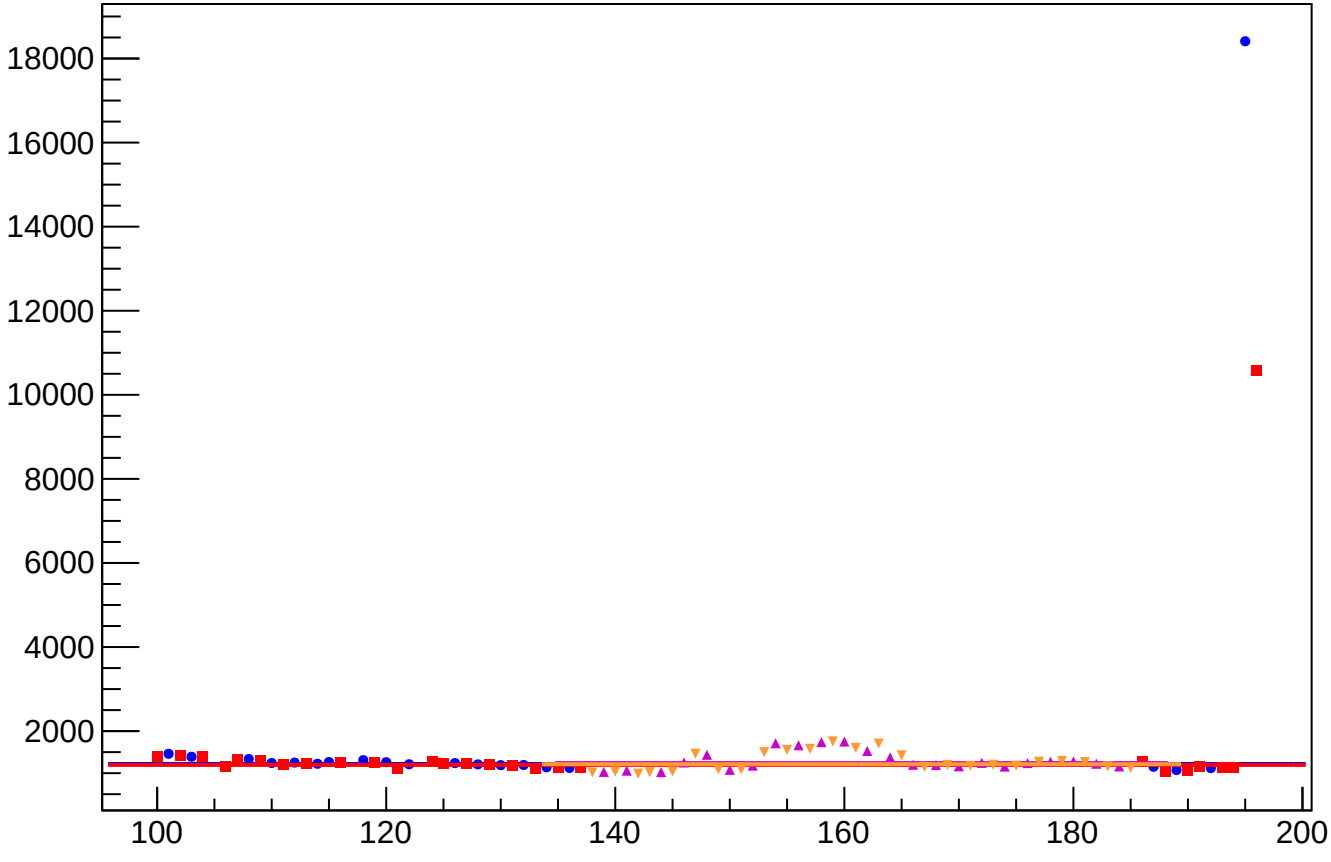
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.097+/-0.231 χ^2/NDF: 746.2/44

All: -1.667+/-0.162 χ^2/NDF: 2369.7/93

- sign -2.223+/-0.228 χ^2/NDF: 1611.5/48

diff_bpm0l08Y_rms vs Slug



Right In: 1218.110+/-0.287 χ^2/NDF: 1649862.7/19

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1195.977+/-0.255 χ^2/NDF: 1249970.1/25

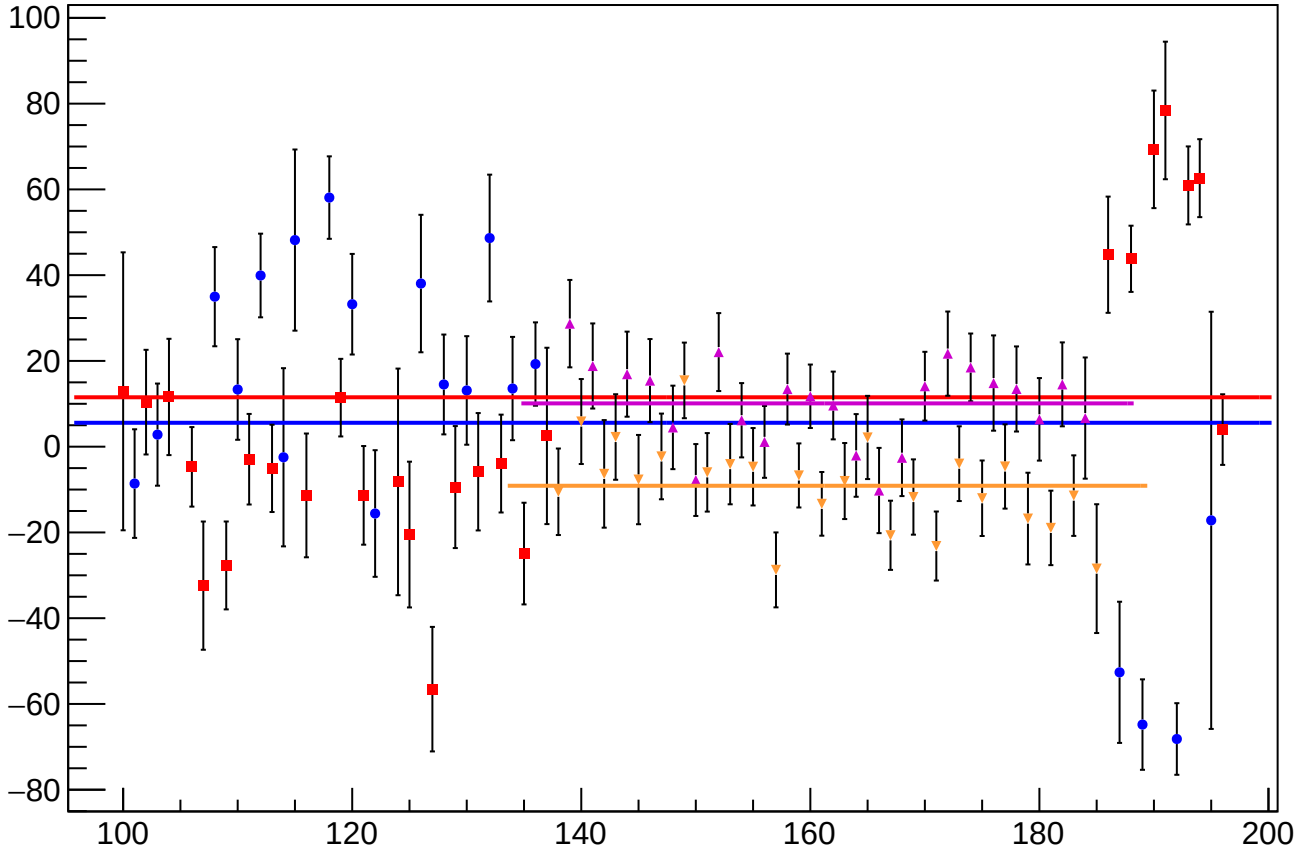
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1214.827+/-0.163 χ^2/NDF: 2662818.4/44

All: 1218.421+/-0.115 χ^2/NDF: 4816546.8/93

- sign 1221.930+/-0.161 χ^2/NDF: 2152770.2/48

diff_bpm0l09X_mean vs Slug



Right In: 5.573+/-2.745 χ^2/NDF: 213.4/19

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 11.520+/-2.298 χ^2/NDF: 199.3/25

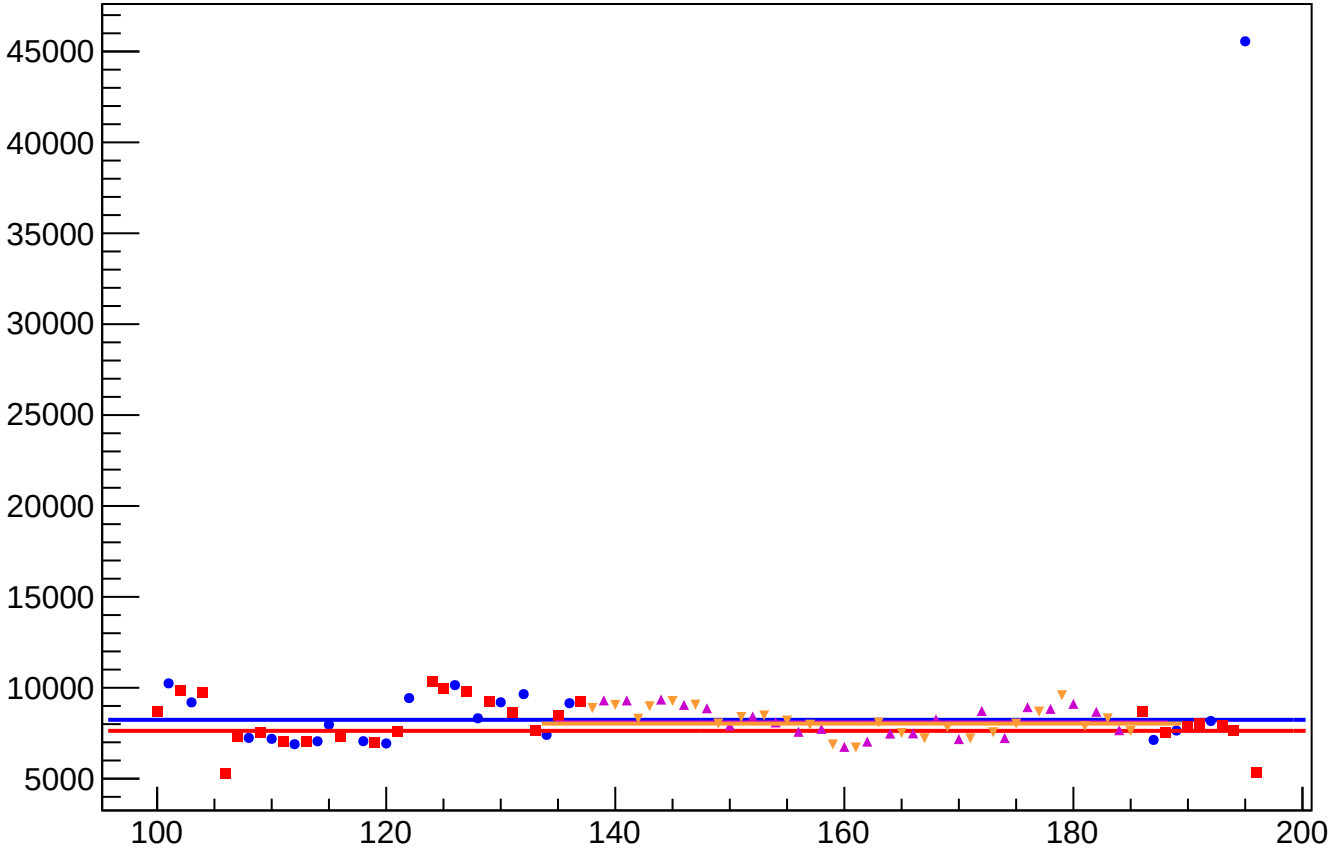
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.552+/-1.530 χ^2/NDF: 261.9/44

All: 3.369+/-1.060 χ^2/NDF: 537.3/93

- sign 10.677+/-1.469 χ^2/NDF: 223.9/48

diff_bpm0l09X_rms vs Slug



Right In: 8237.977+/-1.941 χ^2/NDF: 1483791.6/19

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

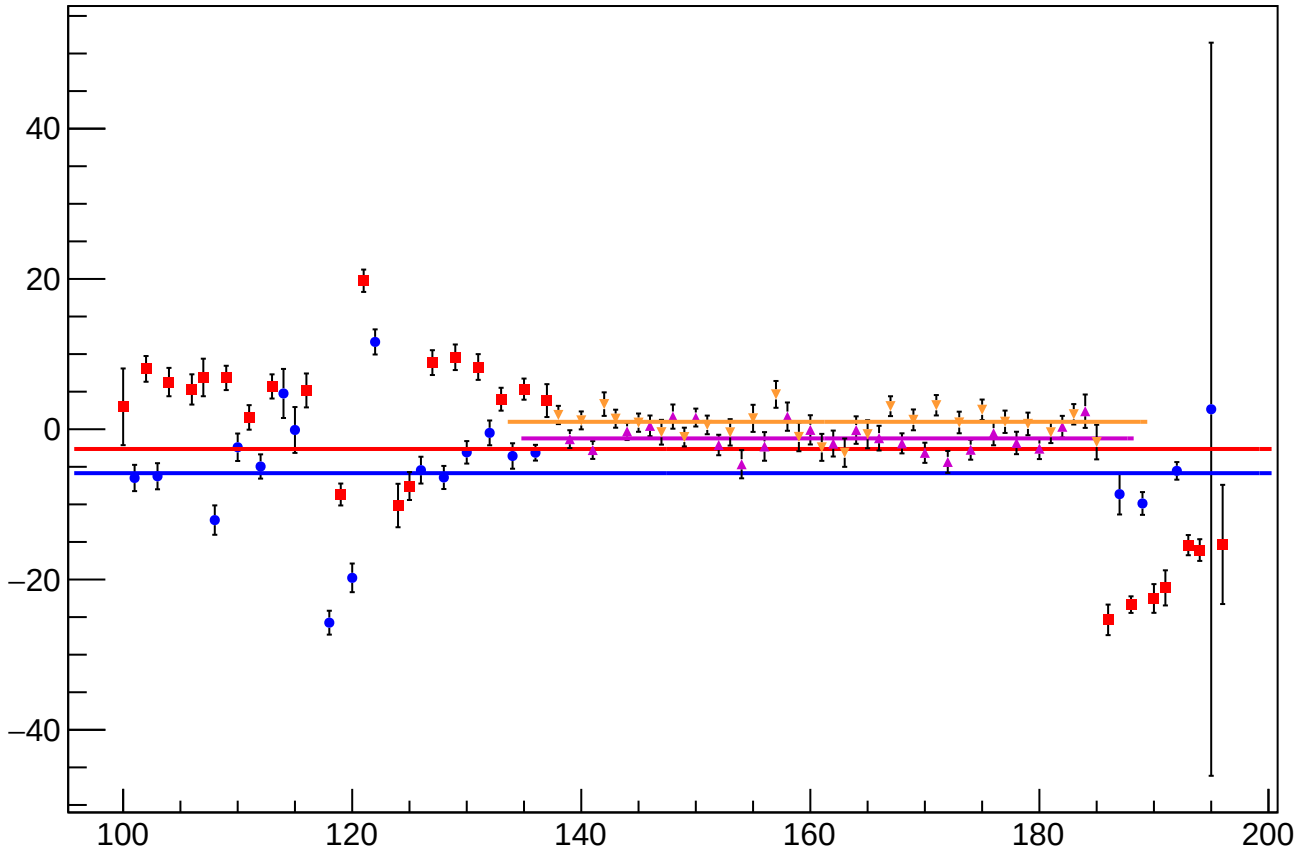
Right Out: 7630.578+/-1.625 χ^2/NDF: 600854.7/25

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8093.270+/-1.082 χ^2/NDF: 1824315.0/44

All: 7995.521+/-0.749 χ^2/NDF: 2856684.3/93

- sign 7905.323+/-1.039 χ^2/NDF: 1016667.6/48



Right In: -5.845+/-0.379 χ^2/NDF: 378.7/19

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.627+/-0.343 χ^2/NDF: 1458.6/25

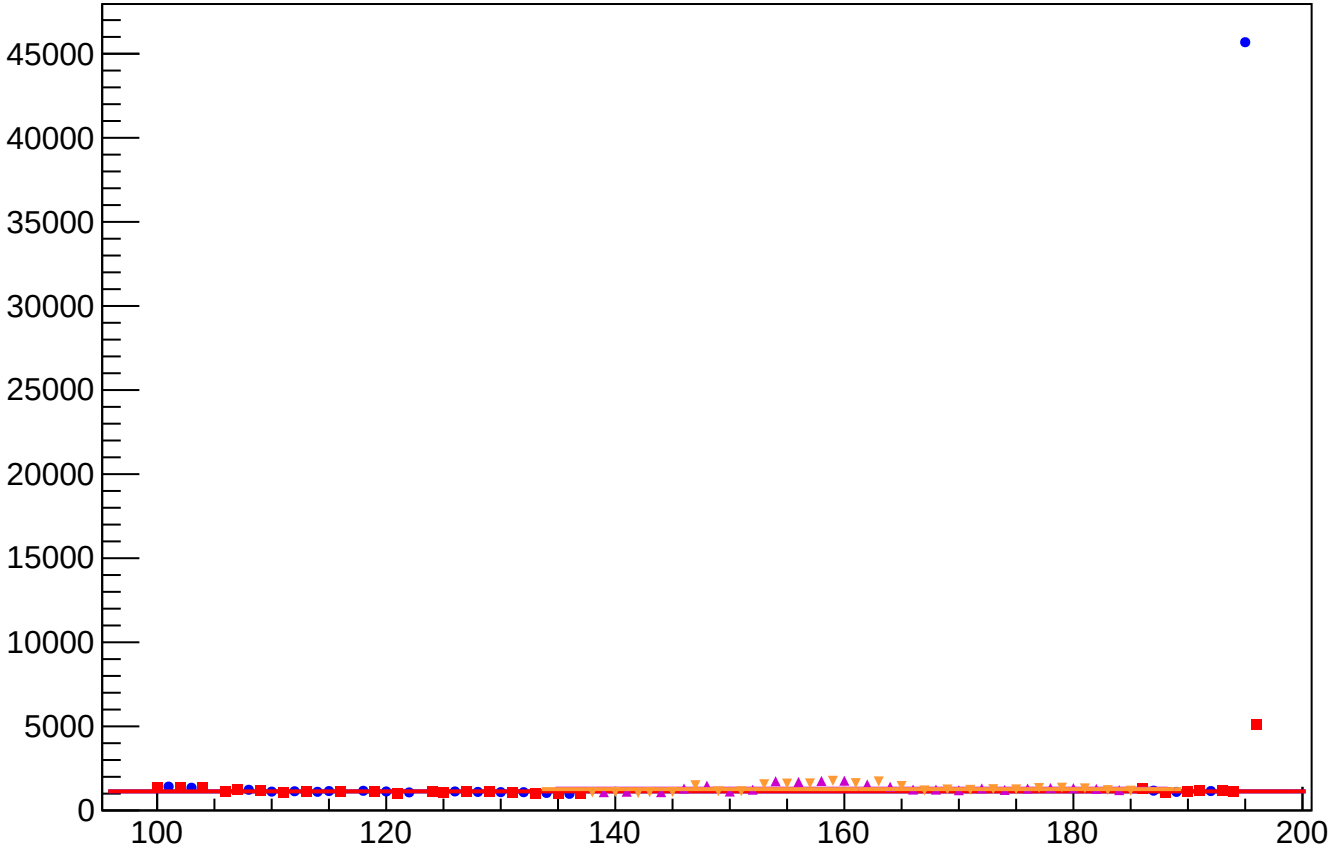
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.557+/-0.232 χ^2/NDF: 613.2/44

All: -1.703+/-0.163 χ^2/NDF: 2115.1/93

- sign -1.845+/-0.229 χ^2/NDF: 1501.1/48

diff_bpm0l09Y_rms vs Slug



Right In: 1132.293+/-0.268 χ^2/NDF: 1811230.6/19

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1134.987+/-0.242 χ^2/NDF: 674969.7/25

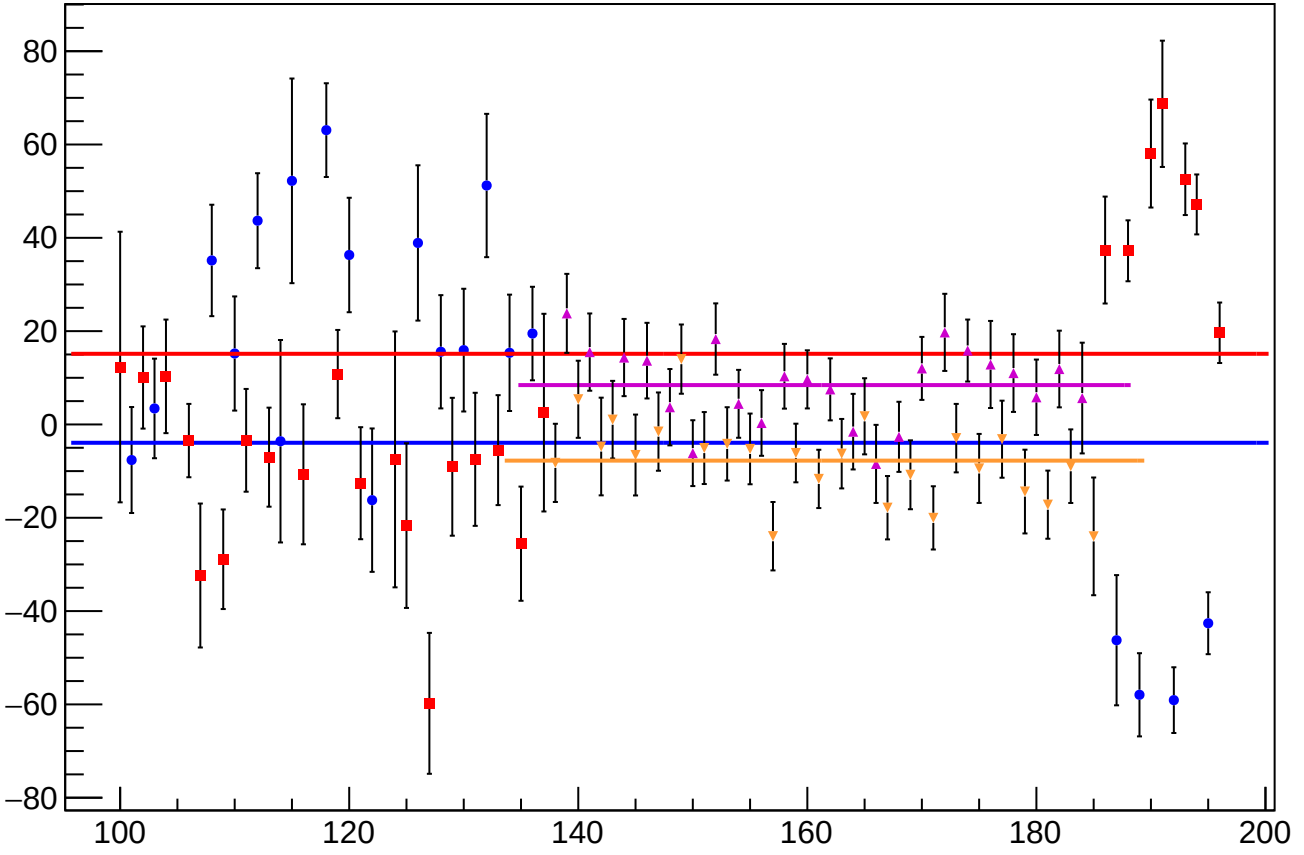
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1217.074+/-0.164 χ^2/NDF: 2848788.2/44

All: 1220.270+/-0.115 χ^2/NDF: 4522032.0/93

- sign 1223.381+/-0.162 χ^2/NDF: 1672492.1/48

diff_bpm0l10X_mean vs Slug



Right In: -3.927+/-2.483 χ^2/NDF: 271.4/19

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 15.143+/-2.091 χ^2/NDF: 191.2/25

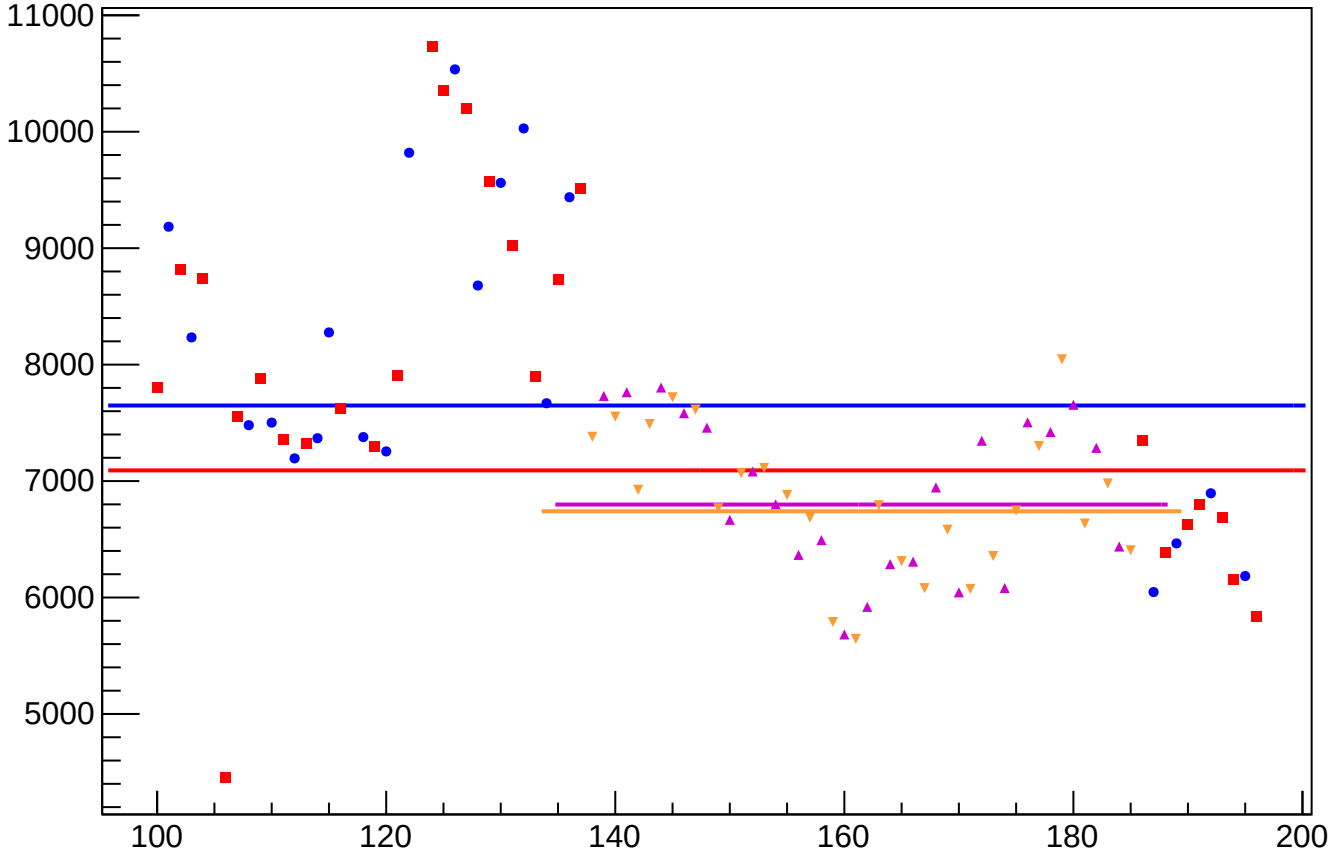
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -6.683+/-1.313 χ^2/NDF: 303.6/44

All: 2.390+/-0.914 χ^2/NDF: 618.8/93

- sign 10.923+/-1.273 χ^2/NDF: 222.5/48

diff_bpm0l10X_rms vs Slug



Right In: 7648.869+/-1.755 χ^2/NDF: 503103.0/19

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7091.828+/-1.479 χ^2/NDF: 844233.3/25

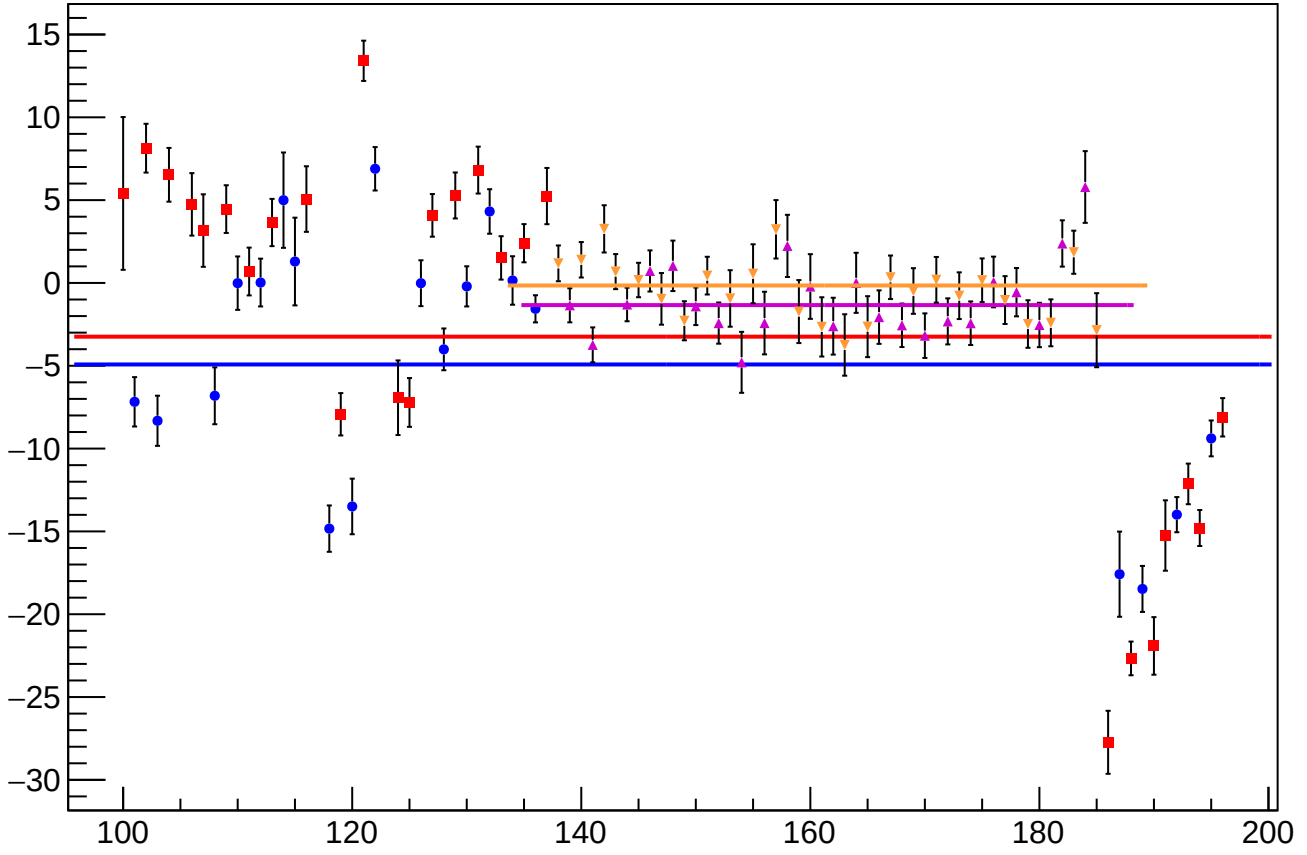
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6994.710+/-0.928 χ^2/NDF: 1012559.5/44

All: 6949.622+/-0.646 χ^2/NDF: 2239411.7/93

- sign 6907.219+/-0.900 χ^2/NDF: 1222273.9/48

diff_bpm0l10Y_mean vs Slug



Right In: -4.921+/-0.308 χ^2/NDF: 518.1/19

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -3.243+/-0.284 χ^2/NDF: 1458.2/25

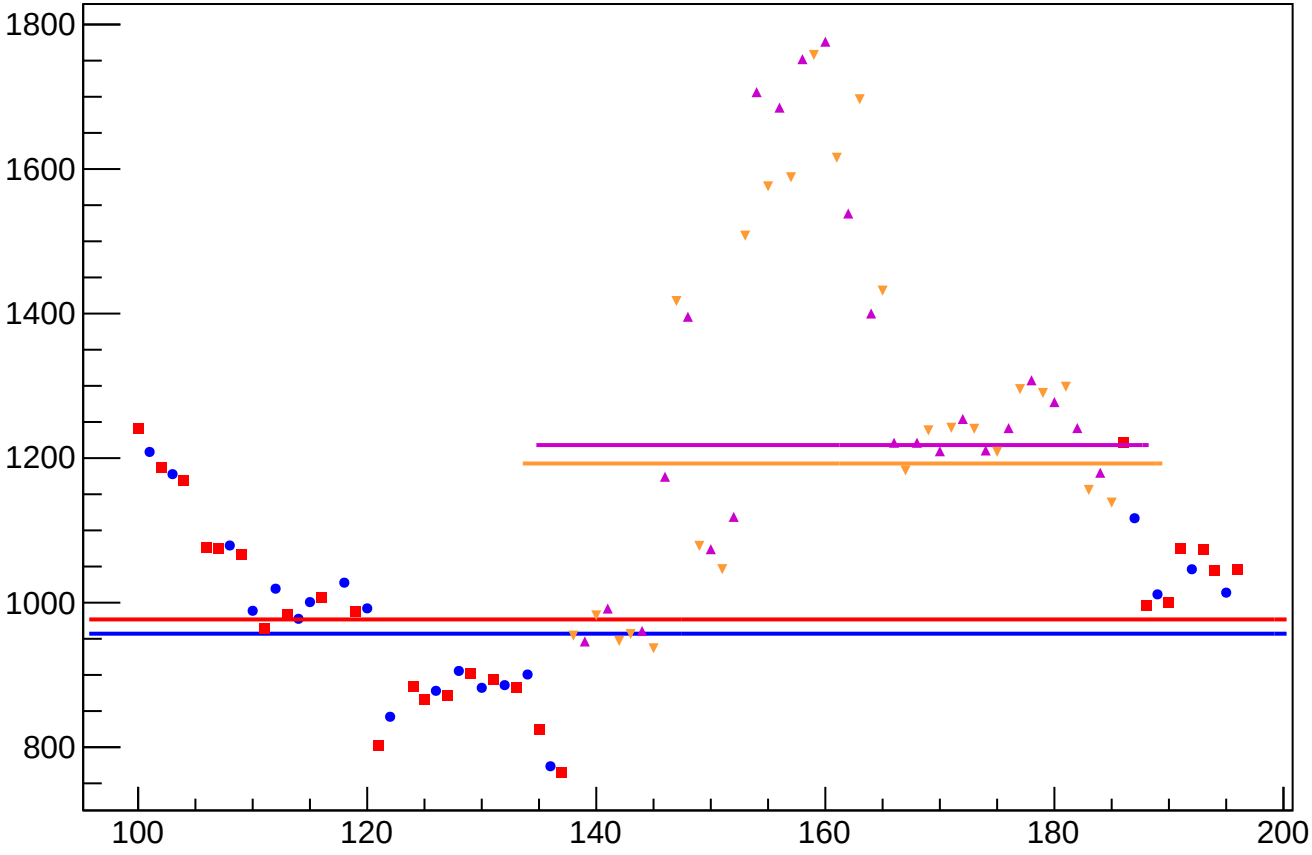
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.284+/-0.206 χ^2/NDF: 686.9/44

All: -2.297+/-0.145 χ^2/NDF: 2211.2/93

- sign -2.310+/-0.203 χ^2/NDF: 1524.2/48

diff_bpm0l10Y_rms vs Slug



Right In: 957.074+/-0.218 χ^2/NDF: 292719.7/19

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 976.801+/-0.201 χ^2/NDF: 318506.4/25

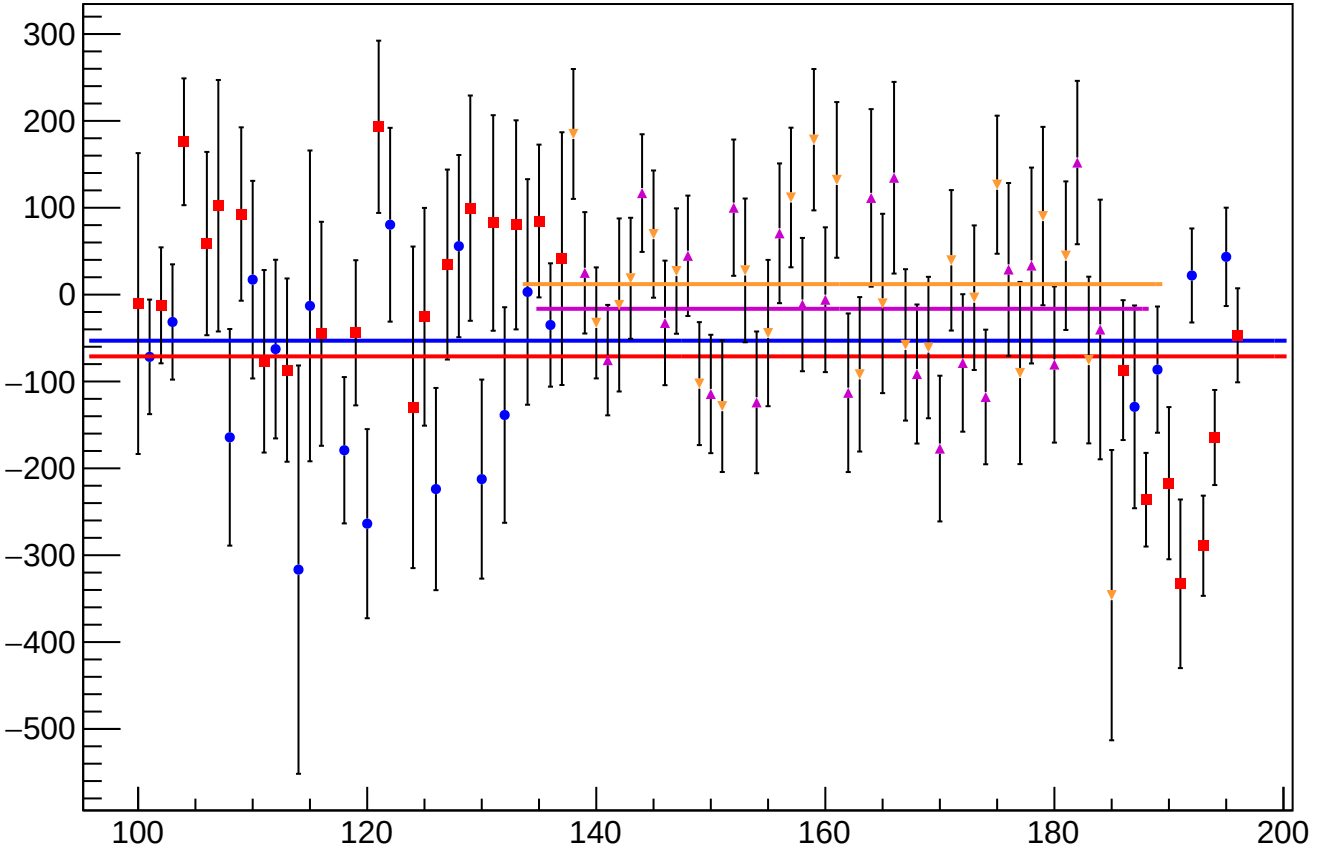
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1087.336+/-0.146 χ^2/NDF: 2260328.5/44

All: 1091.163+/-0.102 χ^2/NDF: 4414012.4/93

- sign 1094.888+/-0.144 χ^2/NDF: 2152318.9/48

diff_bpm0r03X_mean vs Slug



Right In: -53.050+/-19.890 χ^2/NDF: 21.5/19

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

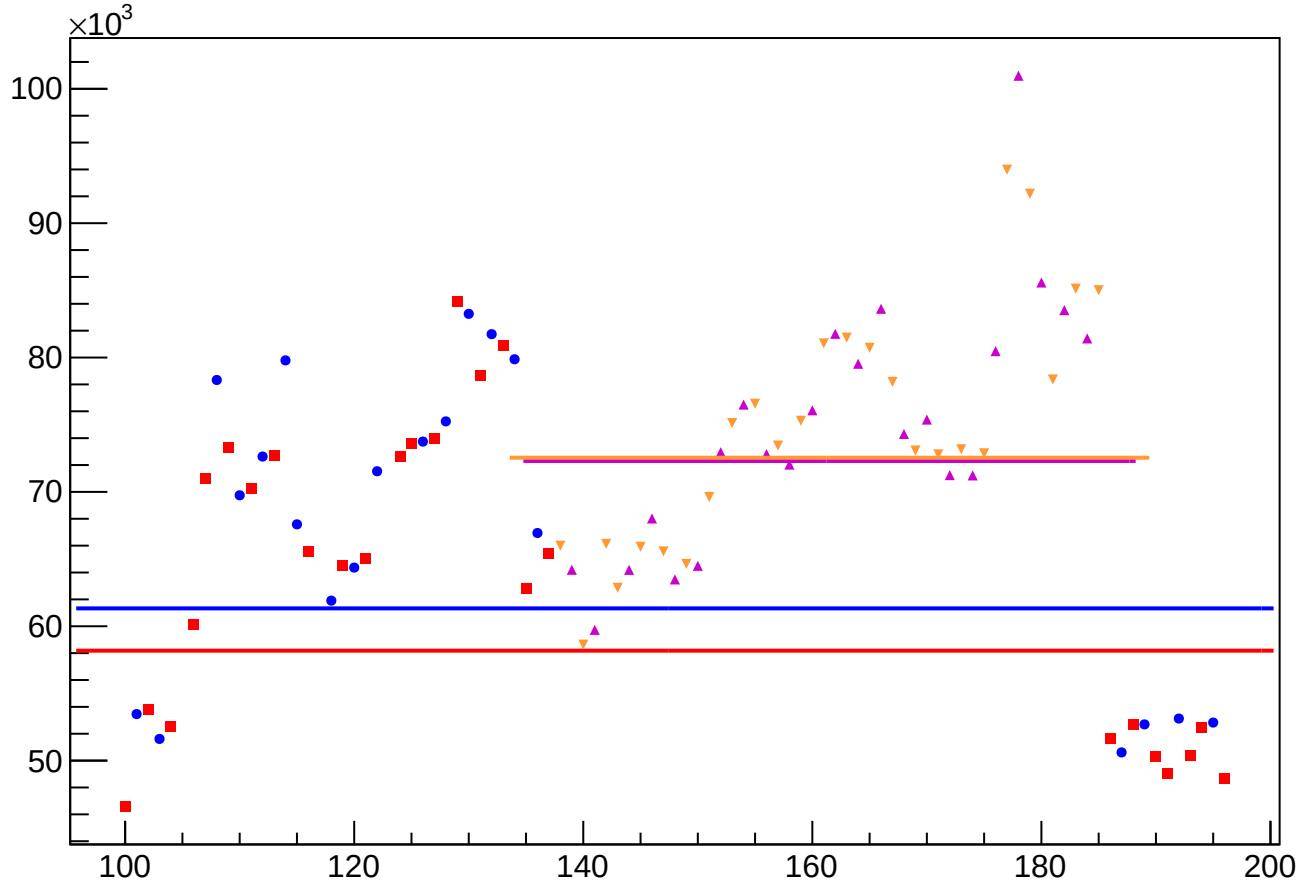
Right Out: -71.100+/-17.085 χ^2/NDF: 71.9/25

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -14.675+/-12.748 χ^2/NDF: 60.6/44

All: -29.949+/-8.760 χ^2/NDF: 169.0/93

\- sign -43.612+/-12.057 χ^2/NDF: 105.8/48



Right In: 61331.154+/-14.064 χ^2/NDF: 551398.8/19

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 58184.125+/-12.081 χ^2/NDF: 672583.5/25

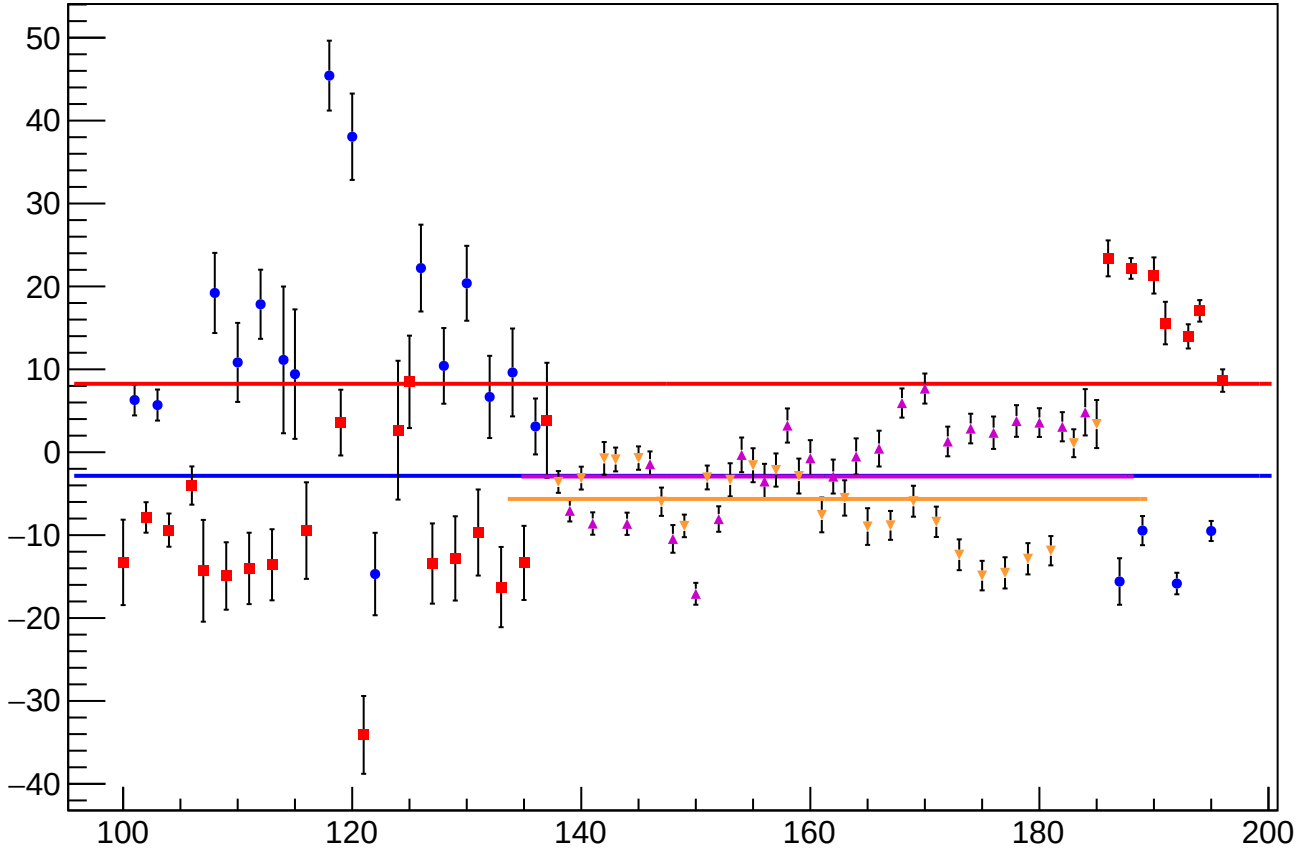
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 67937.880+/-9.014 χ^2/NDF: 1426001.3/44

All: 66529.676+/-6.194 χ^2/NDF: 3318995.7/9

- sign 65270.023+/-8.526 χ^2/NDF: 1846759.5/48

diff_bpm0r03Y_mean vs Slug



Right In: -2.846+/-0.587 χ^2/NDF: 537.2/19

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 8.255+/-0.487 χ^2/NDF: 768.6/25

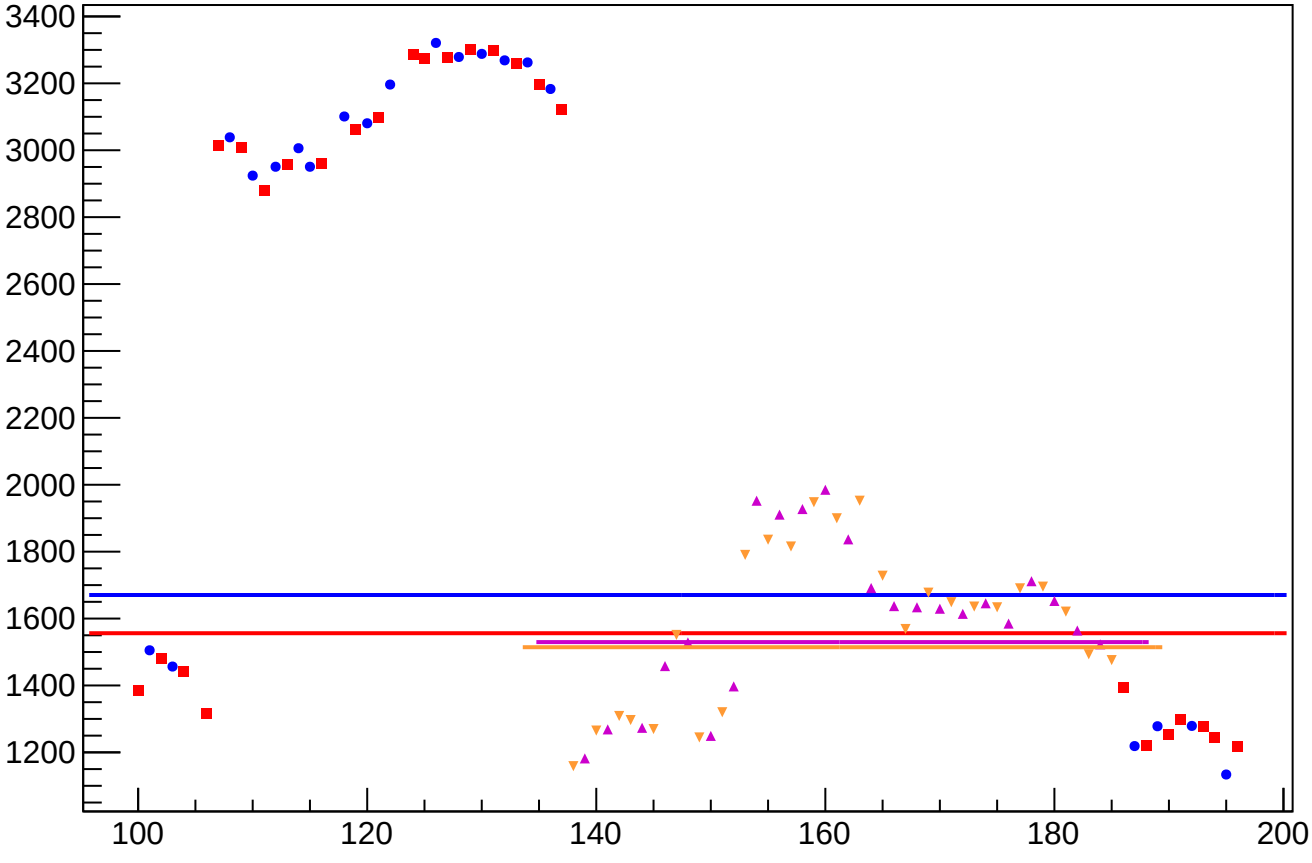
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -4.907+/-0.300 χ^2/NDF: 732.1/44

All: -1.835+/-0.209 χ^2/NDF: 2380.6/93

- sign 1.051+/-0.291 χ^2/NDF: 1445.1/48

diff_bpm0r03Y_rms vs Slug



Right In: 1670.439+/-0.415 χ^2/NDF: 3412882.3/19

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1556.184+/-0.345 χ^2/NDF: 3559846.5/25

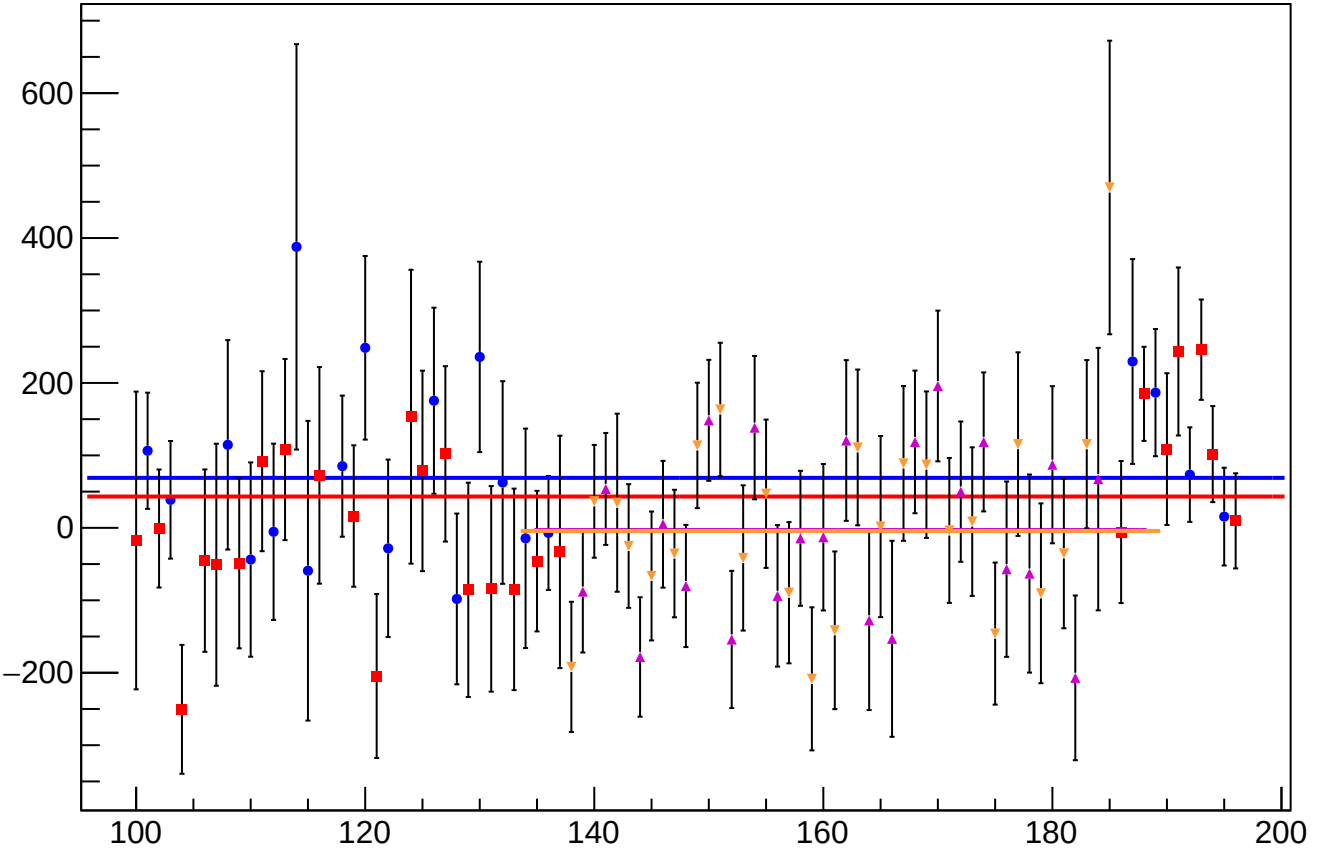
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1555.136+/-0.212 χ^2/NDF: 4450782.5/44

All: 1546.859+/-0.148 χ^2/NDF: 8845886.4/93

- sign 1539.082+/-0.206 χ^2/NDF: 4392150.3/48

diff_bpm0r05X_mean vs Slug



Right In: 68.990+/-23.373 χ^2/NDF: 15.2/19

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

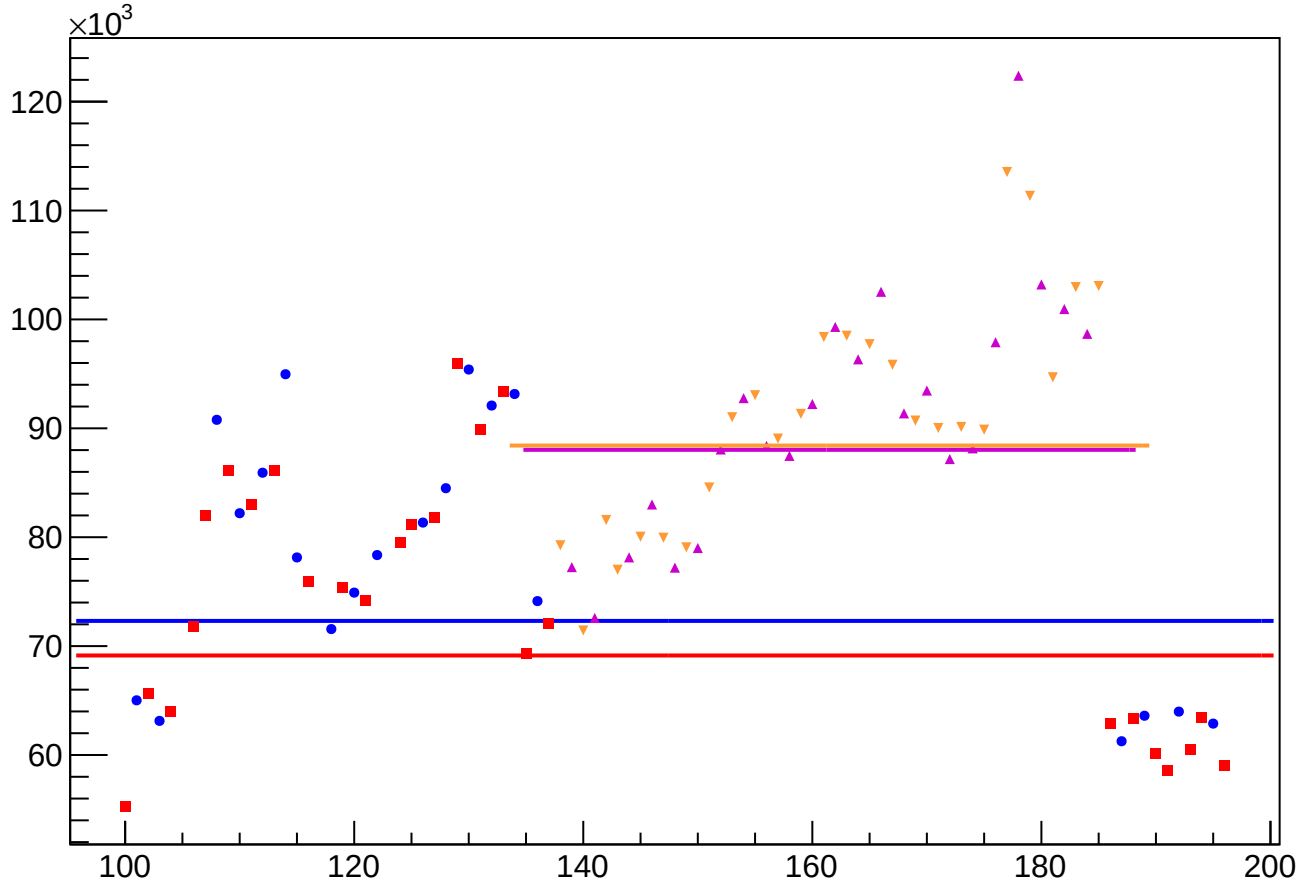
Right Out: 43.234+/-20.241 χ^2/NDF: 40.1/25

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 27.123+/-15.300 χ^2/NDF: 51.2/44

All: 23.707+/-10.517 χ^2/NDF: 124.7/93

- sign 20.649+/-14.479 χ^2/NDF: 73.4/48



Right In: 72314.367+/-16.527 χ^2/NDF: 406800.4/19

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 69139.641+/-14.312 χ^2/NDF: 513563.9/25

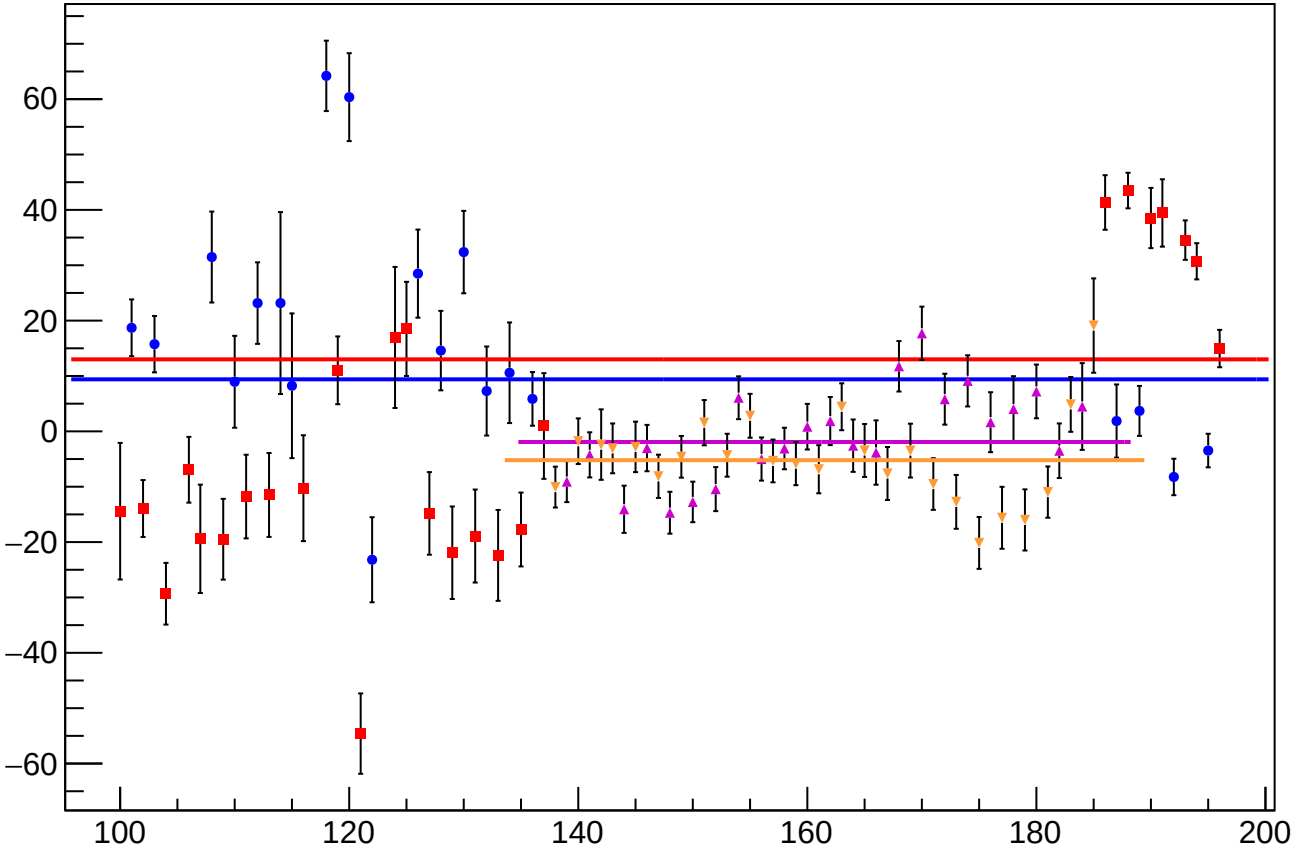
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 81516.926+/-10.819 χ^2/NDF: 1431311.8/44

All: 79851.888+/-7.436 χ^2/NDF: 3324646.9/9

- sign 78360.867+/-10.238 χ^2/NDF: 1848440.7/48

diff_bpm0r05Y_mean vs Slug



Right In: 9.396+/-1.304 χ^2/NDF: 215.8/19

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 13.005+/-1.118 χ^2/NDF: 564.5/25

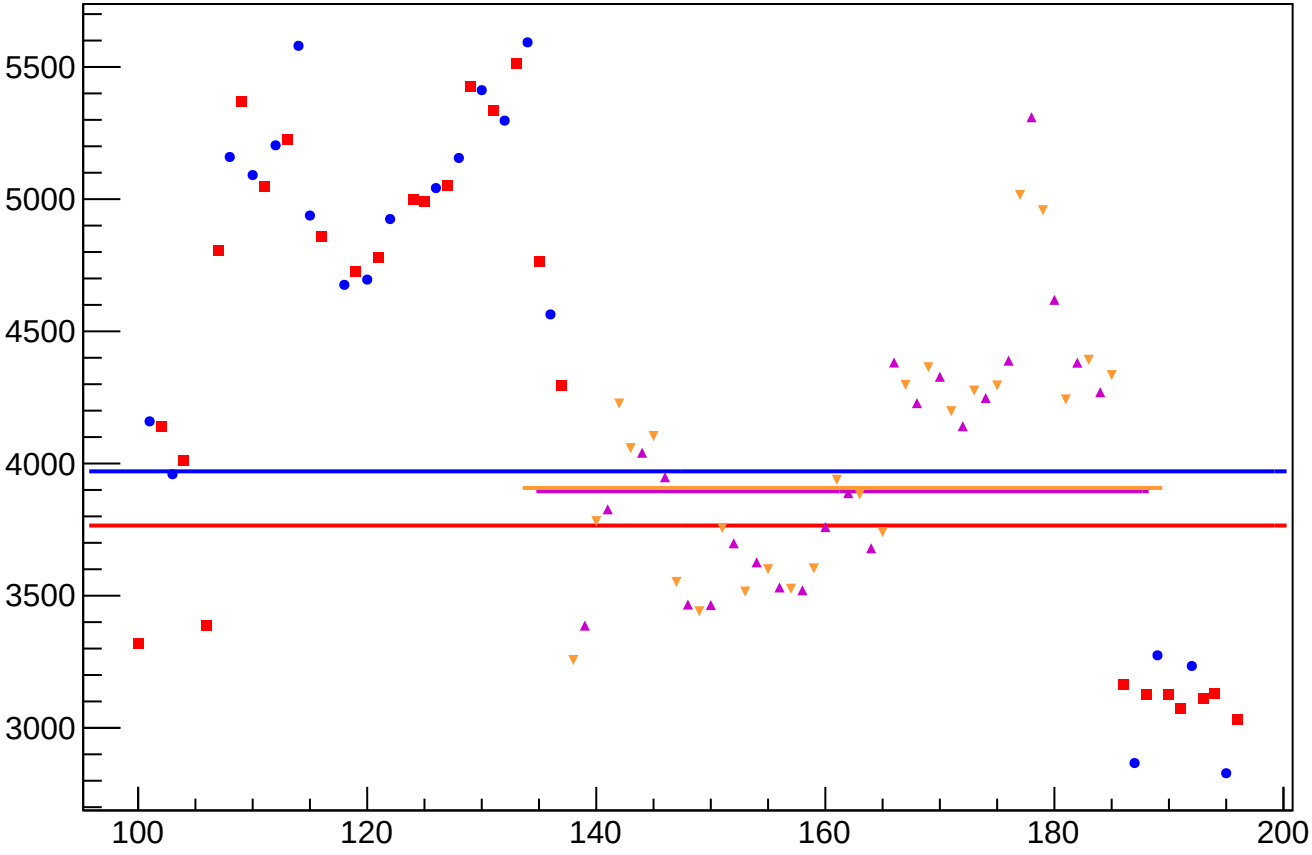
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.539+/-0.737 χ^2/NDF: 352.1/44

All: 1.859+/-0.511 χ^2/NDF: 1126.9/93

- sign 4.074+/-0.709 χ^2/NDF: 754.4/48

diff_bpm0r05Y_rms vs Slug



Right In: 3970.382+/-0.922 χ^2/NDF: 1040937.6/19

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3765.411+/-0.791 χ^2/NDF: 1200936.5/25

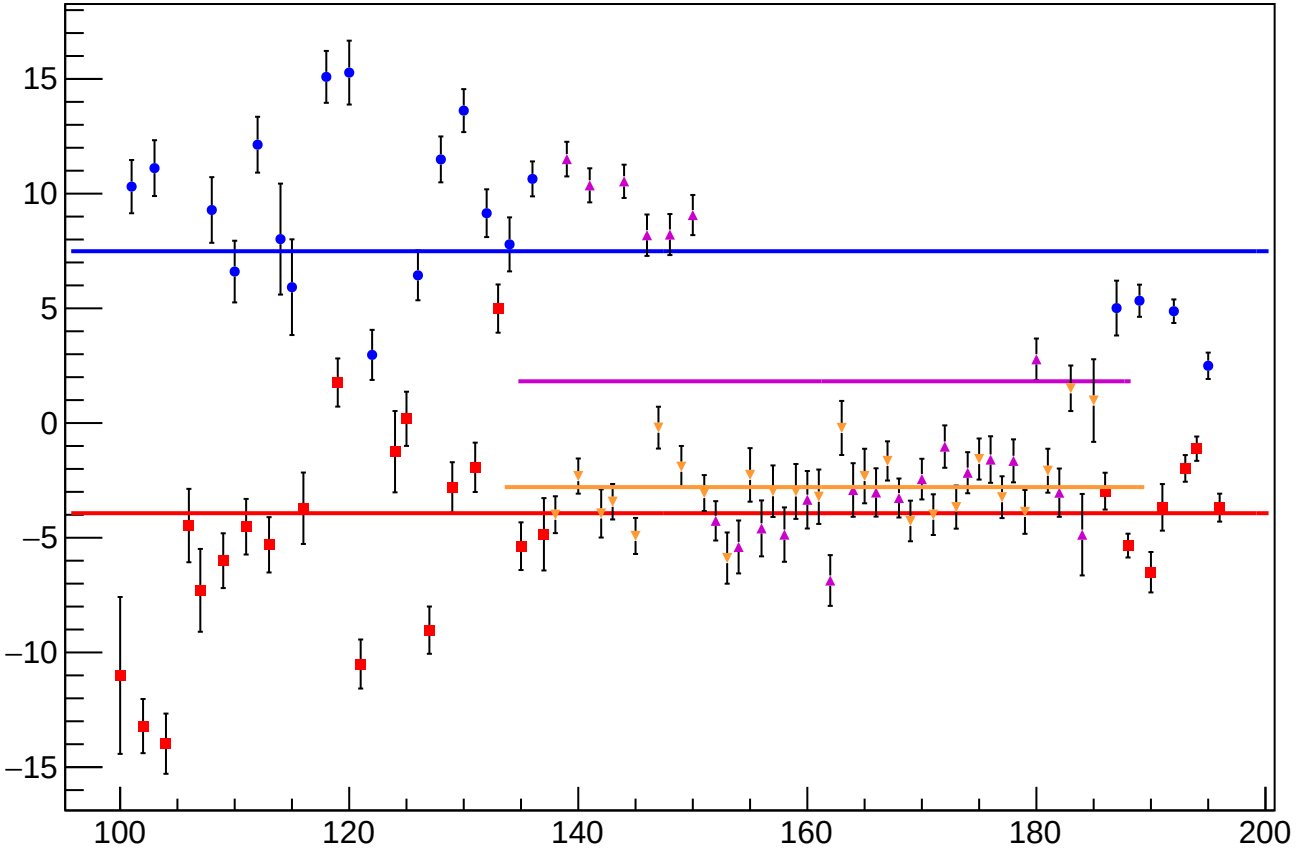
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3927.574+/-0.521 χ^2/NDF: 1485307.3/44

All: 3883.618+/-0.361 χ^2/NDF: 3125933.0/93

- sign 3843.004+/-0.501 χ^2/NDF: 1626948.7/48

diff_bpm2i01X_mean vs Slug



Right In: 7.490+/-0.215 χ^2/NDF: 320.4/19

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.930+/-0.186 χ^2/NDF: 374.8/25

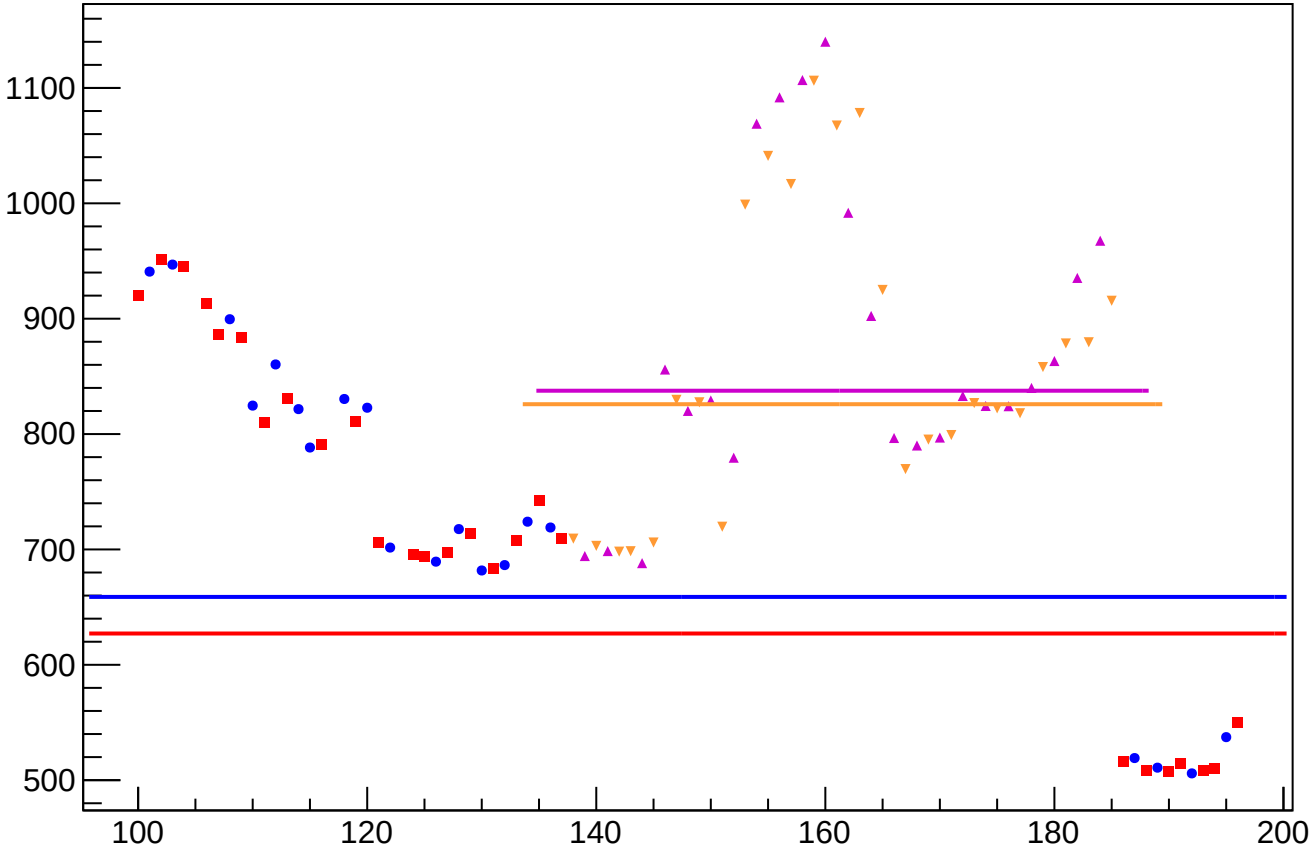
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.714+/-0.142 χ^2/NDF: 1671.4/44

All: 0.163+/-0.098 χ^2/NDF: 3746.1/93

- sign -1.241+/-0.136 χ^2/NDF: 1849.0/48

diff_bpm2i01X_rms vs Slug



Right In: 658.846+/-0.152 χ^2/NDF: 878977.8/19

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 627.130+/-0.131 χ^2/NDF: 1174152.8/25

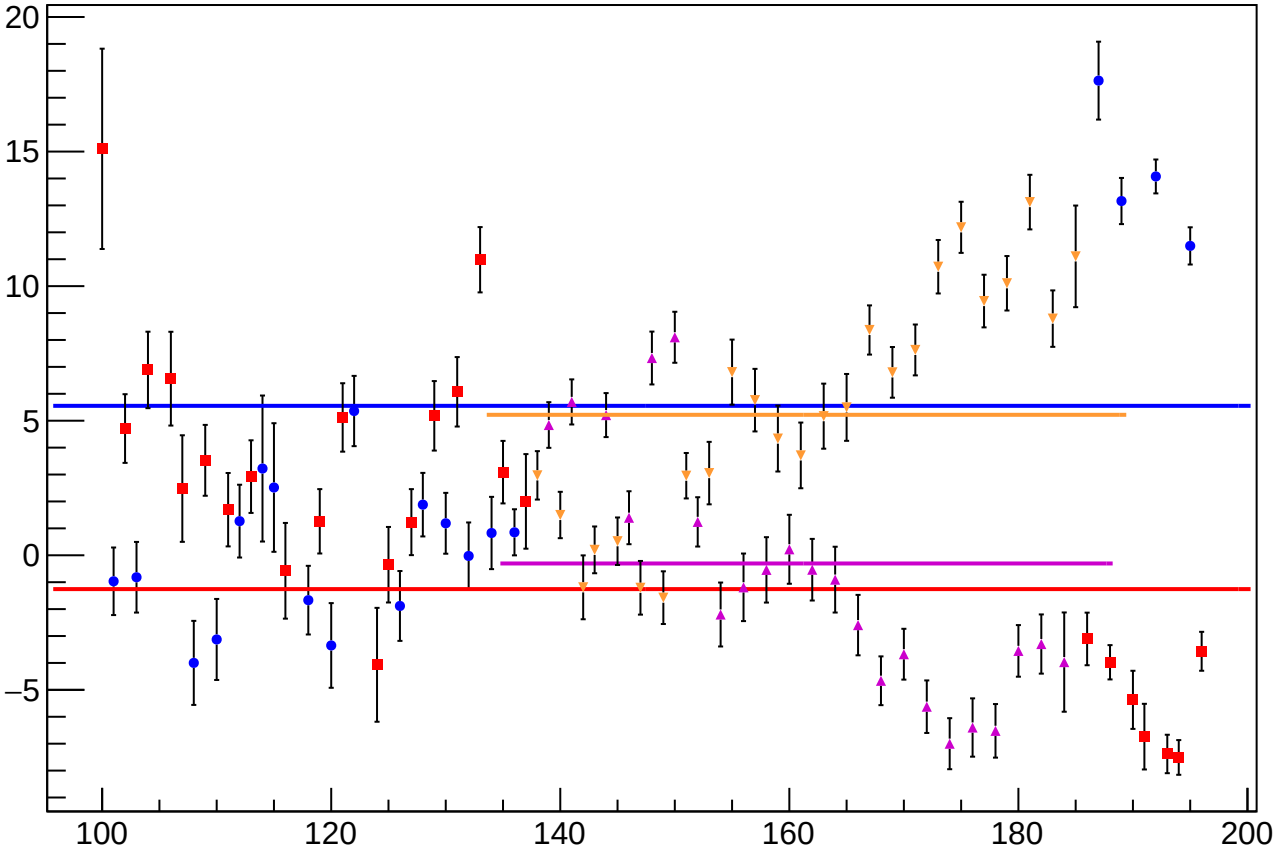
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 752.686+/-0.101 χ^2/NDF: 2320895.8/44

All: 738.436+/-0.069 χ^2/NDF: 5447961.7/93

- sign 725.542+/-0.096 χ^2/NDF: 3088949.9/48

diff_bpm2i01Y_mean vs Slug



Right In: 5.553+/-0.253 χ^2/NDF: 723.0/19

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

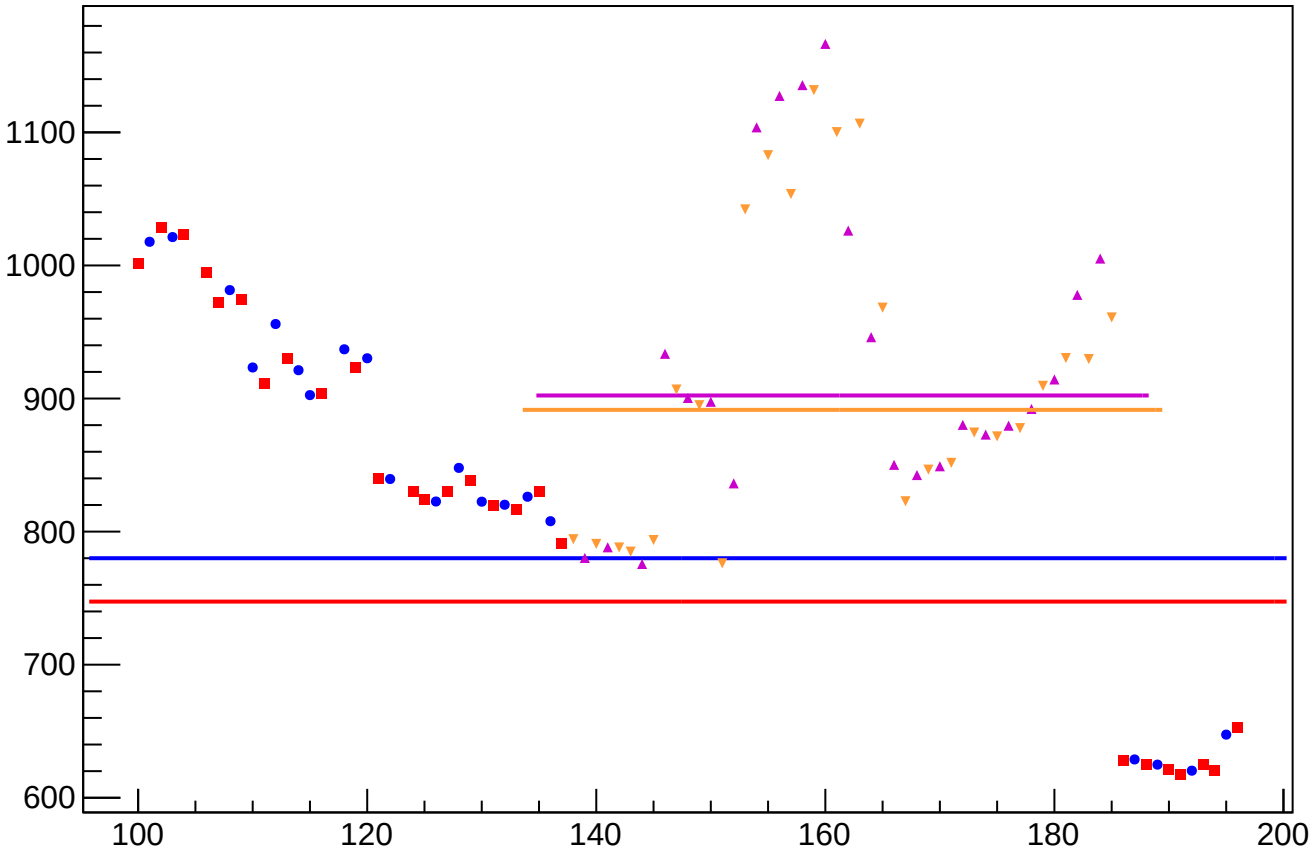
Right Out: -1.257+/-0.220 χ^2/NDF: 572.0/25

Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.351+/-0.159 χ^2/NDF: 1174.0/44

All: 2.172+/-0.110 χ^2/NDF: 3020.3/93

- sign -0.765+/-0.153 χ^2/NDF: 1076.9/48



Right In: 780.007+/-0.179 χ^2/NDF: 595401.9/19

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 747.409+/-0.155 χ^2/NDF: 819175.3/25

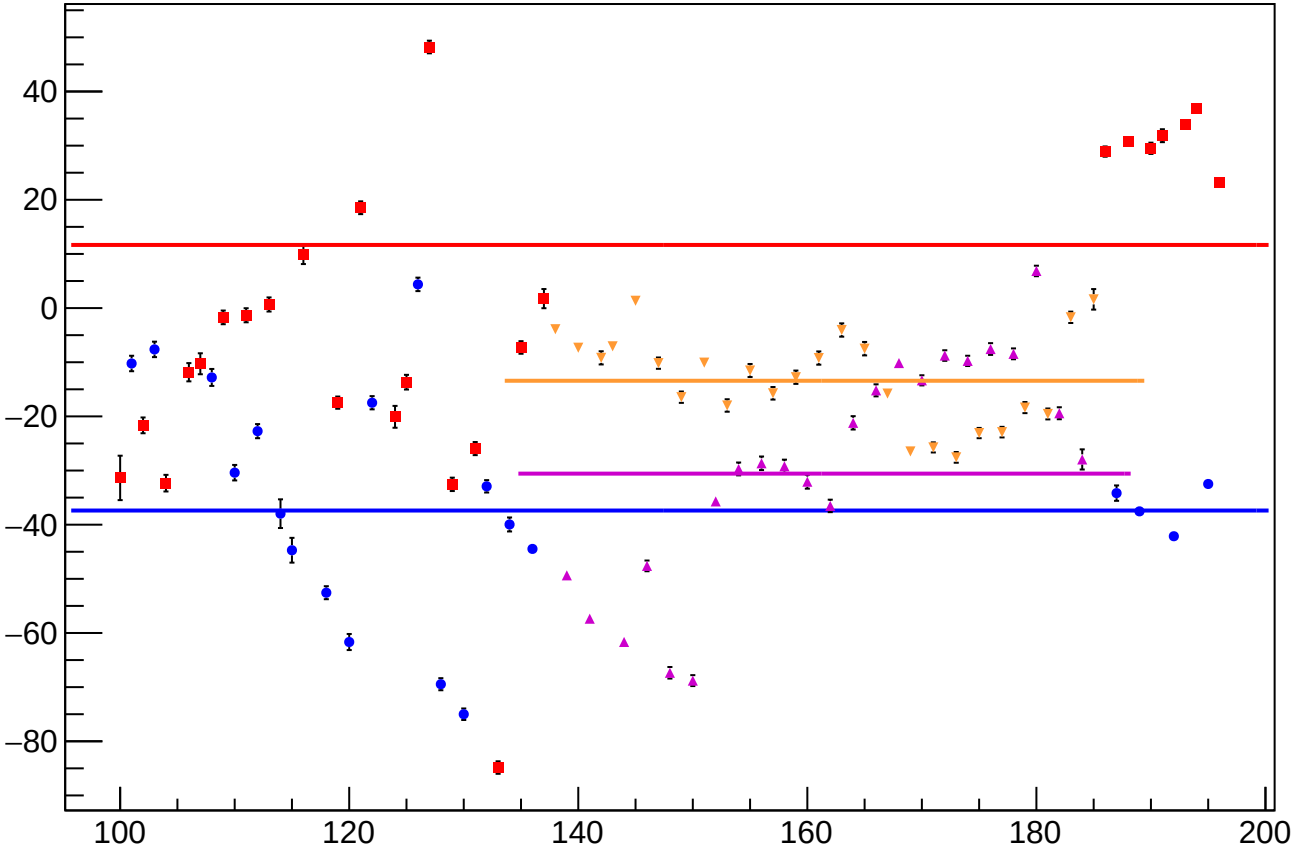
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 847.448+/-0.112 χ^2/NDF: 1348319.2/44

All: 837.009+/-0.078 χ^2/NDF: 3182251.4/93

- sign 827.363+/-0.108 χ^2/NDF: 1817335.9/48

diff_bpm2i02X_mean vs Slug



Right In: -37.386+/-0.247 χ^2/NDF: 5302.2/19

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 11.661+/-0.214 χ^2/NDF: 18594.3/25

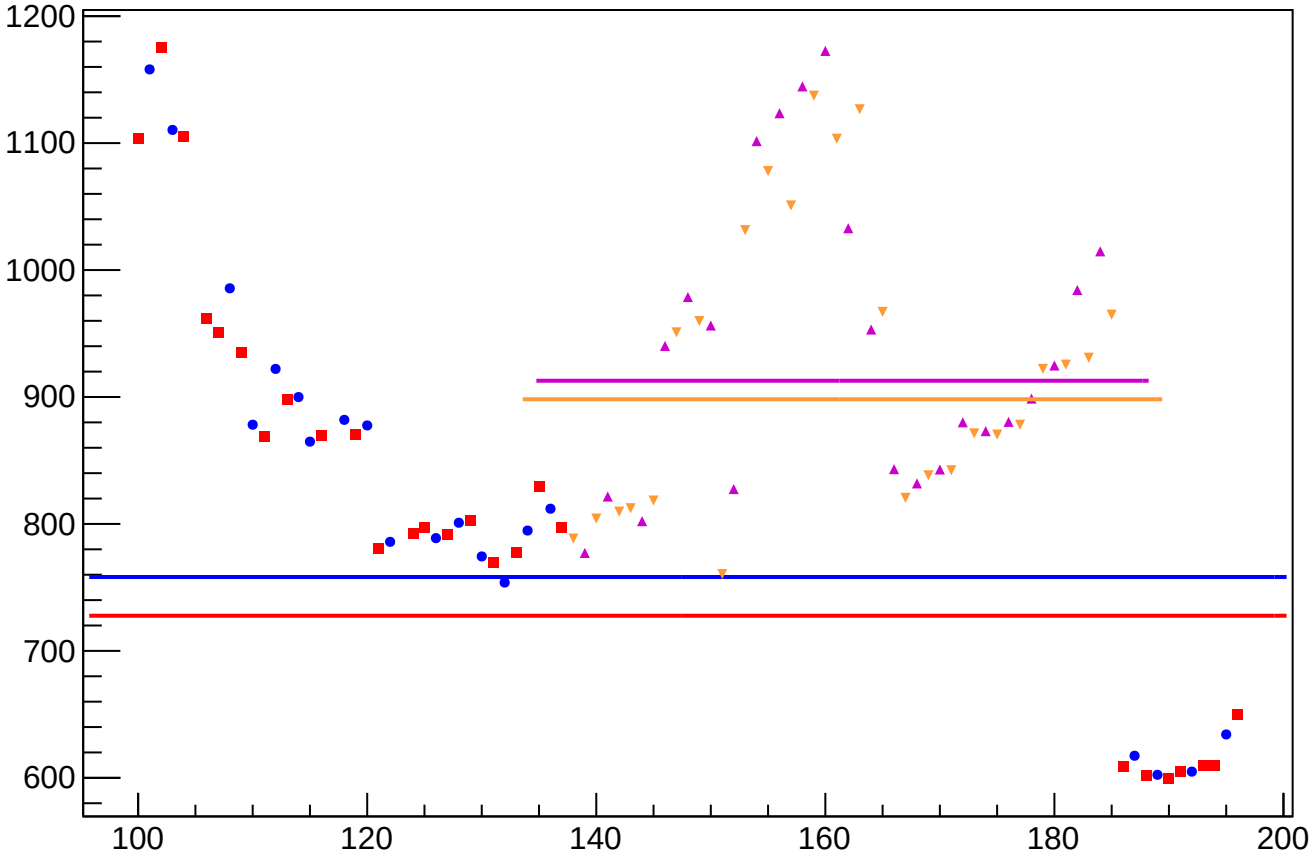
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -23.271+/-0.158 χ^2/NDF: 12531.2/44

All: -16.041+/-0.109 χ^2/NDF: 64875.2/93

- sign -9.369+/-0.152 χ^2/NDF: 48320.7/48

diff_bpm2i02X_rms vs Slug



Right In: 758.201+/-0.174 χ^2/NDF: 708021.8/19

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 727.704+/-0.152 χ^2/NDF: 915862.3/25

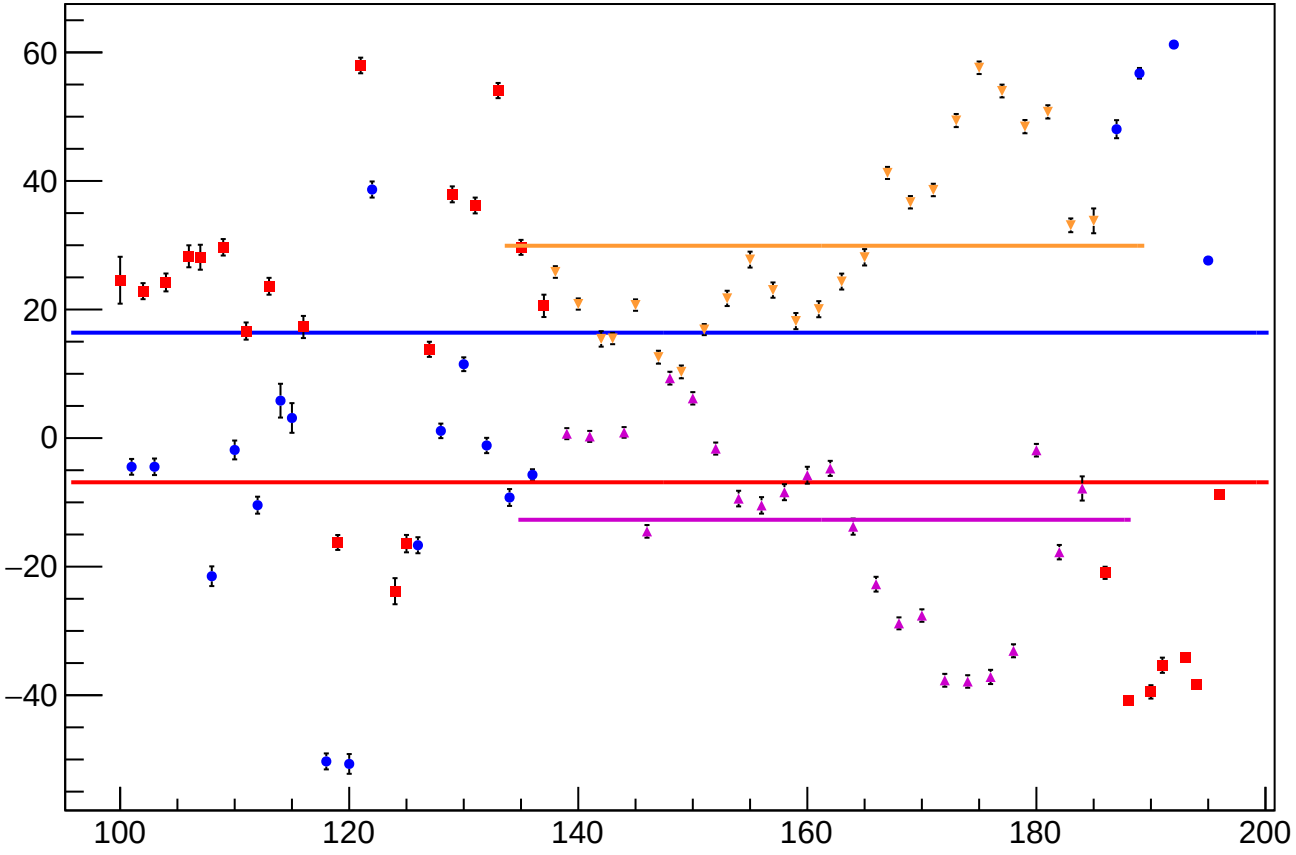
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 840.671+/-0.112 χ^2/NDF: 1606403.3/44

All: 829.860+/-0.077 χ^2/NDF: 3763407.3/93

- sign 819.882+/-0.107 χ^2/NDF: 2139011.2/48

diff_bpm2i02Y_mean vs Slug



Right In: 16.398+/-0.245 χ^2/NDF: 17674.4/19

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -6.877+/-0.213 χ^2/NDF: 22504.2/25

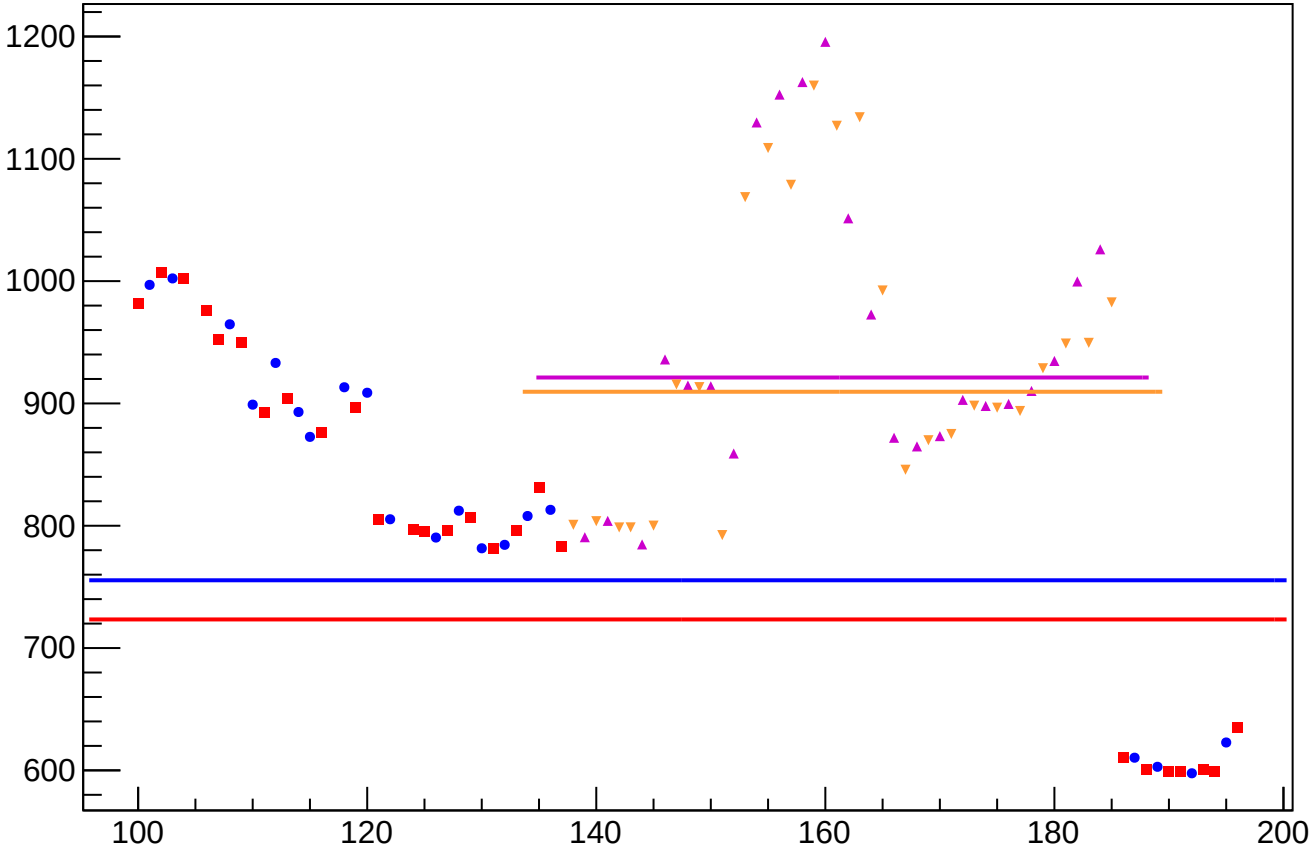
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 24.243+/-0.159 χ^2/NDF: 24020.4/44

All: 6.503+/-0.110 χ^2/NDF: 75572.2/93

- sign -9.733+/-0.152 χ^2/NDF: 27663.3/48

diff_bpm2i02Y_rms vs Slug



Right In: 755.407+/-0.173 χ^2/NDF: 634583.6/19

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

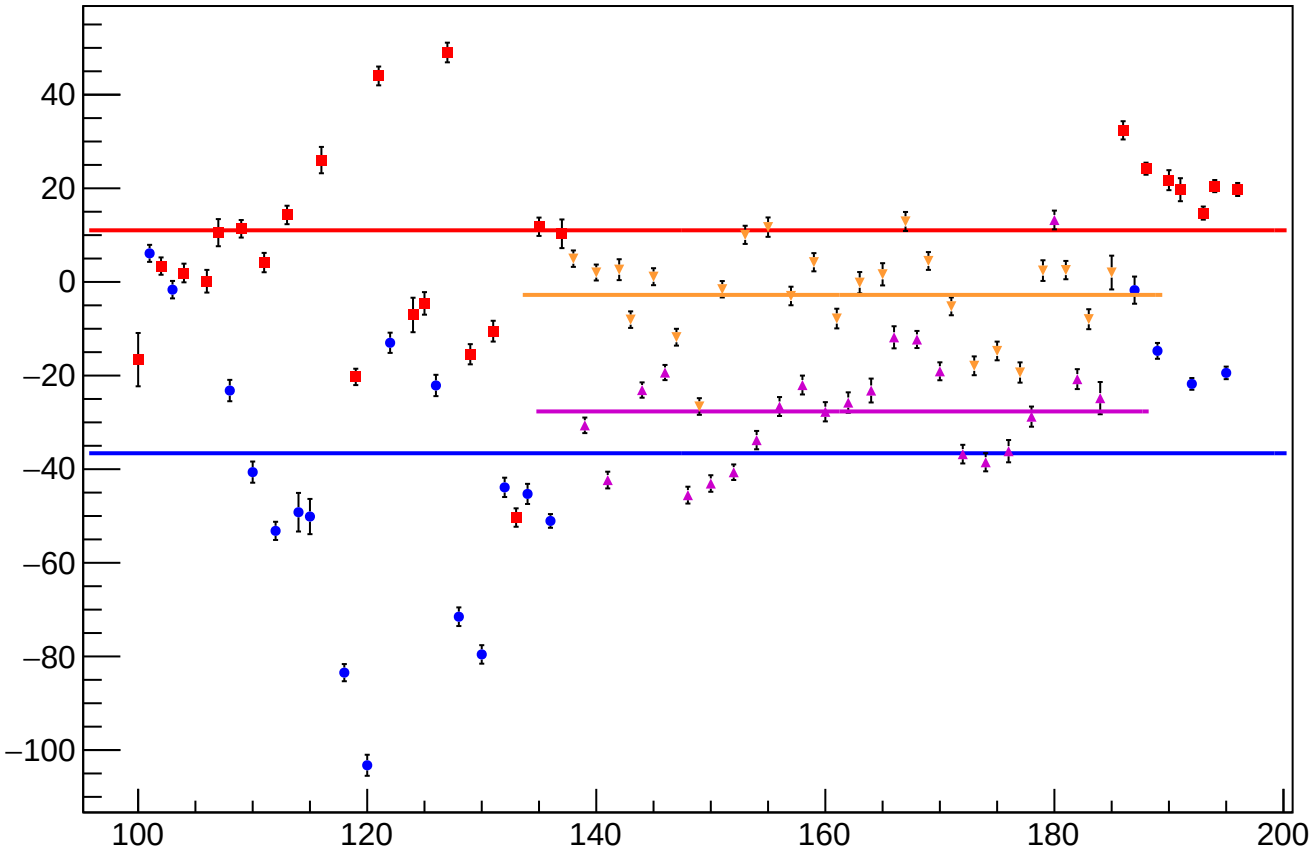
Right Out: 723.392+/-0.150 χ^2/NDF: 857811.0/25

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 844.827+/-0.112 χ^2/NDF: 1635047.9/44

All: 832.010+/-0.078 χ^2/NDF: 3861986.1/93

- sign 820.280+/-0.107 χ^2/NDF: 2202001.7/48



Right In: -36.595+/-0.432 χ^2/NDF: 4247.8/19

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 11.030+/-0.385 χ^2/NDF: 2687.5/25

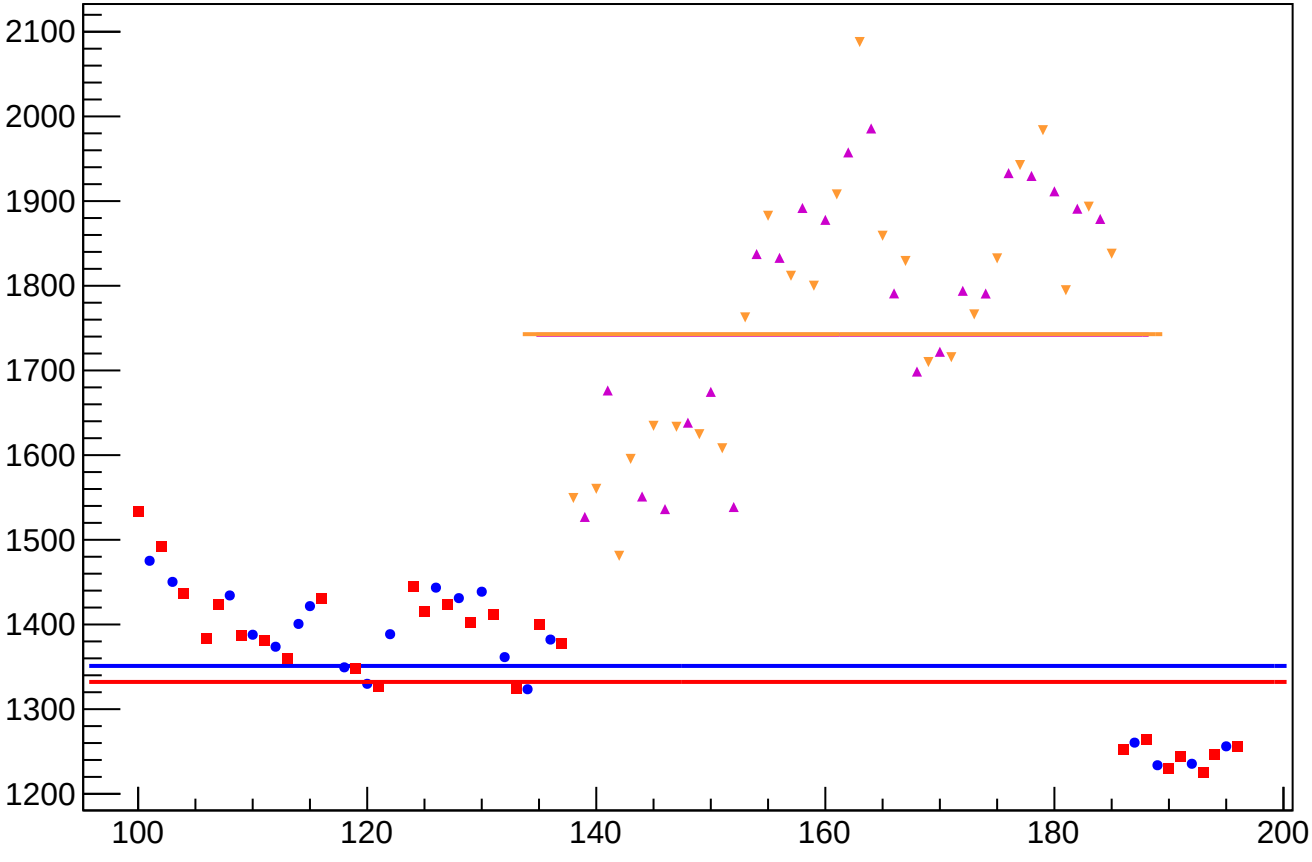
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.275+/-0.292 χ^2/NDF: 8185.4/44

All: -12.494+/-0.202 χ^2/NDF: 17356.6/93

\- sign -7.181+/-0.280 χ^2/NDF: 8421.4/48

diff_bpm0i02X_rms vs Slug



Right In: 1351.060+/-0.305 χ^2/NDF: 70535.6/19

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1332.159+/-0.273 χ^2/NDF: 89923.4/25

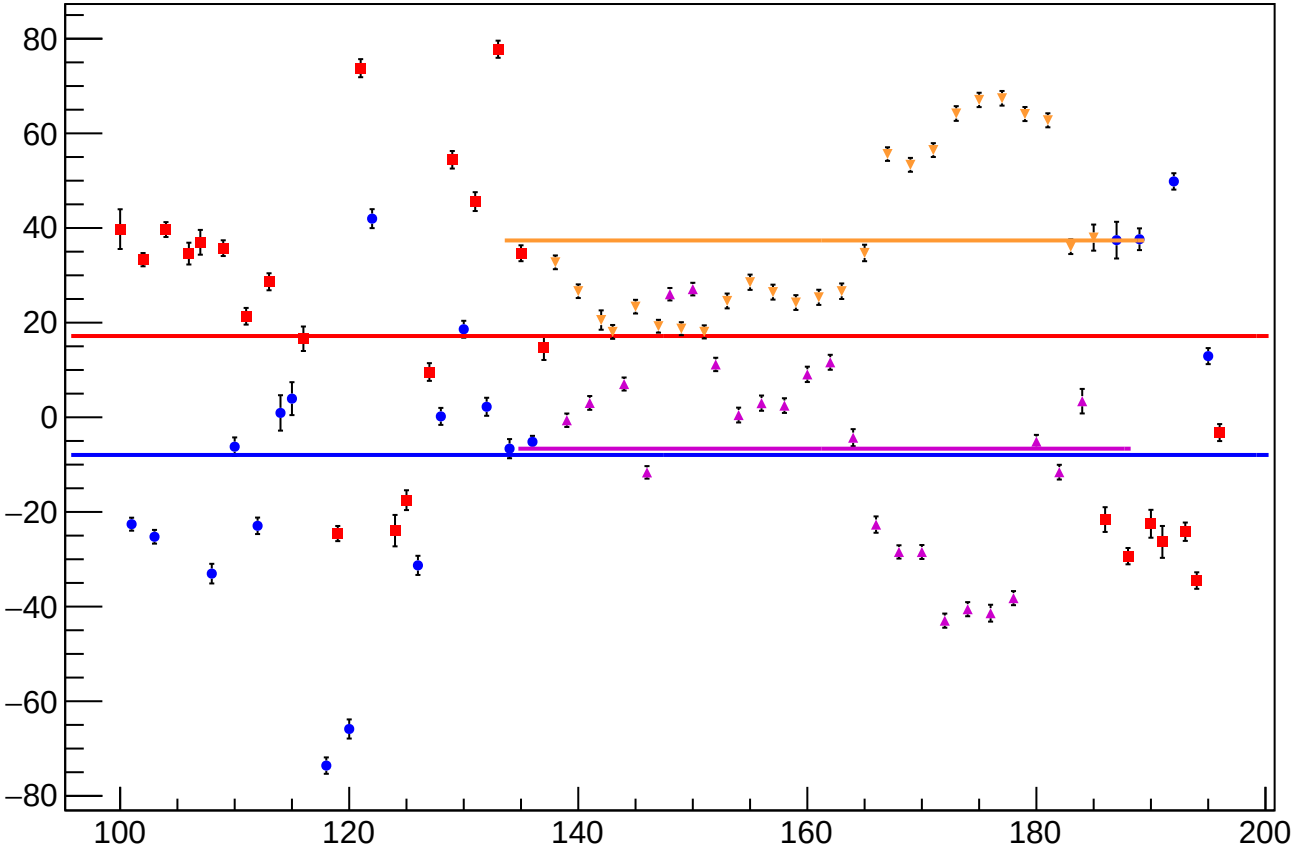
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1563.238+/-0.207 χ^2/NDF: 1224725.8/44

All: 1543.377+/-0.143 χ^2/NDF: 2659249.9/93

- sign 1525.120+/-0.198 χ^2/NDF: 1416821.9/48

diff_bpm0i02Y_mean vs Slug



Right In: -7.958+/-0.417 χ^2/NDF: 5578.8/19

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 17.175+/-0.388 χ^2/NDF: 7241.8/25

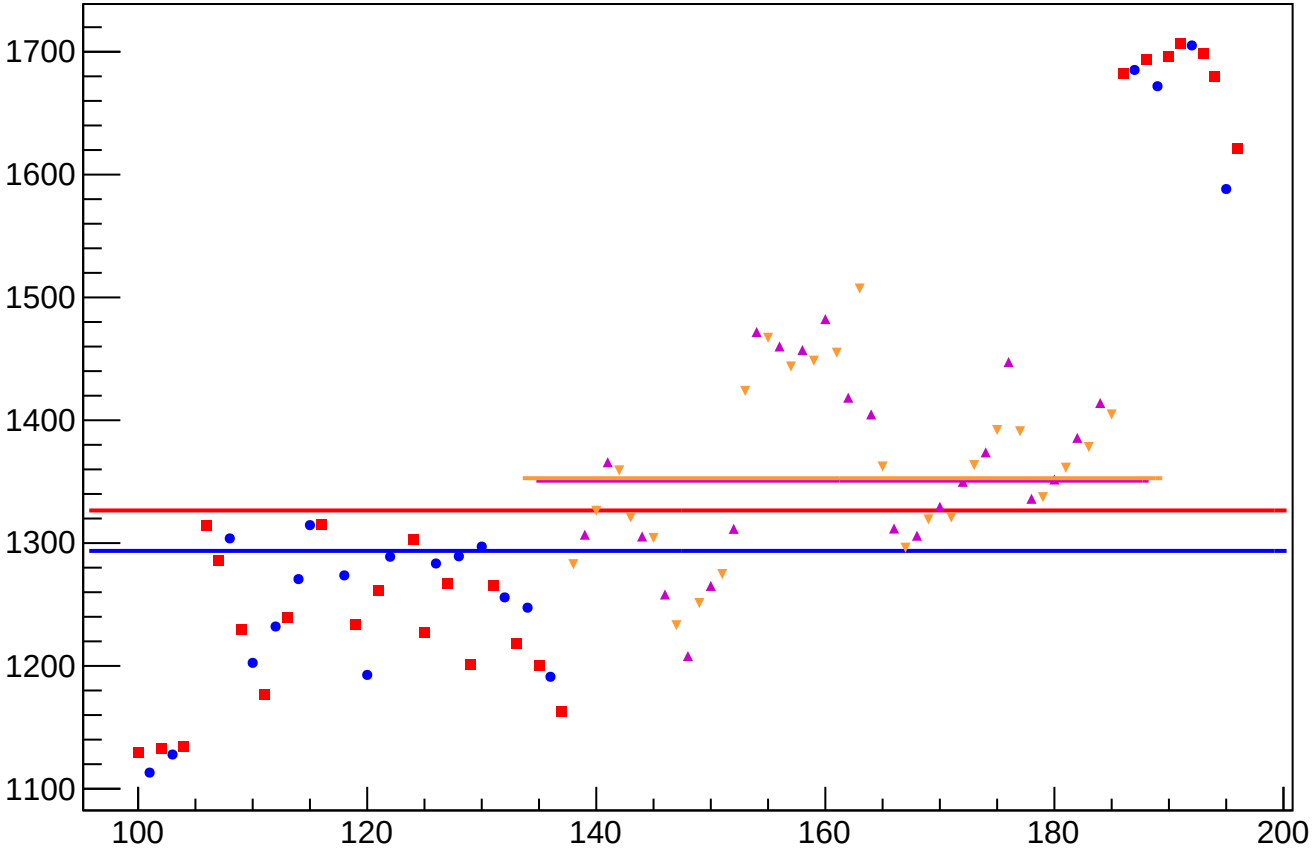
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 21.358+/-0.248 χ^2/NDF: 16631.5/44

All: 12.018+/-0.174 χ^2/NDF: 33364.8/93

- sign 2.874+/-0.245 χ^2/NDF: 13917.2/48

diff_bpm0i02Y_rms vs Slug



Right In: 1293.644+/-0.295 χ^2/NDF: 336133.8/19

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

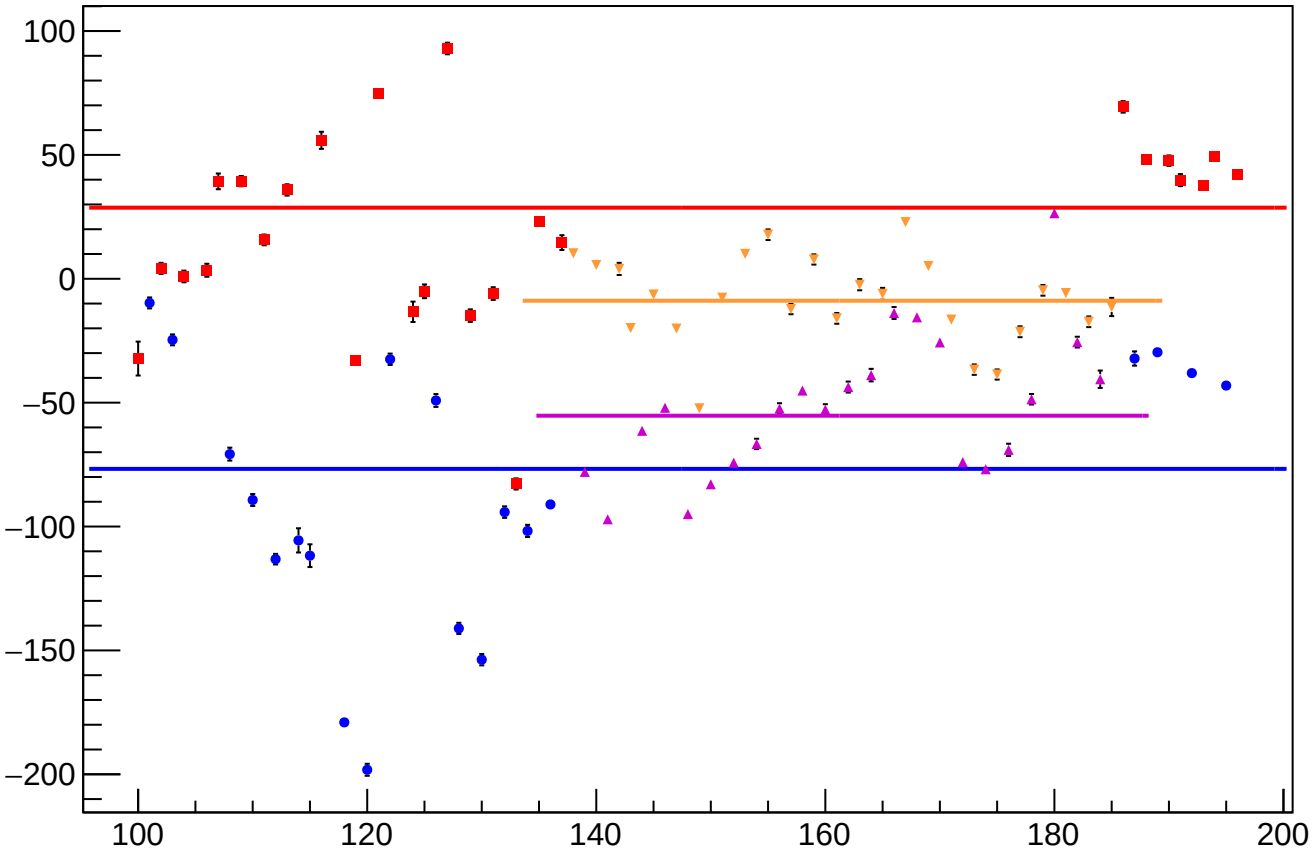
Right Out: 1326.564+/-0.274 χ^2/NDF: 545475.7/25

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1331.917+/-0.175 χ^2/NDF: 467080.9/44

All: 1336.578+/-0.123 χ^2/NDF: 1127284.4/93

- sign 1341.141+/-0.173 χ^2/NDF: 658800.8/48



Right In: -76.725+/-0.470 χ^2/NDF: 12068.0/19

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 28.700+/-0.417 χ^2/NDF: 7025.3/25

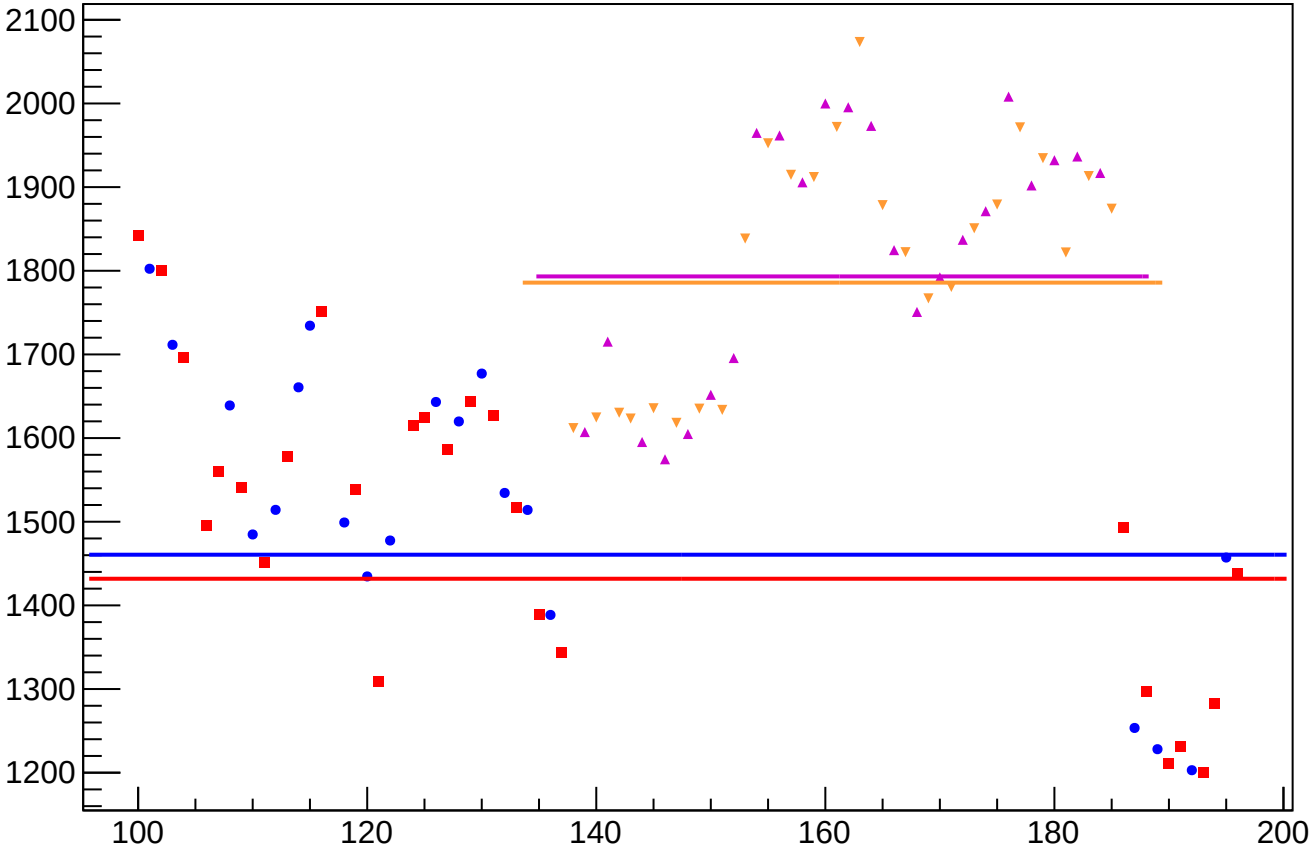
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.986+/-0.308 χ^2/NDF: 25943.6/44

All: -24.950+/-0.213 χ^2/NDF: 61287.7/93

- sign -12.889+/-0.296 χ^2/NDF: 31887.2/48

diff_bpm0i02aX_rms vs Slug



Right In: 1460.574+/-0.332 χ^2/NDF: 278362.7/19

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.839+/-0.295 χ^2/NDF: 329613.9/25

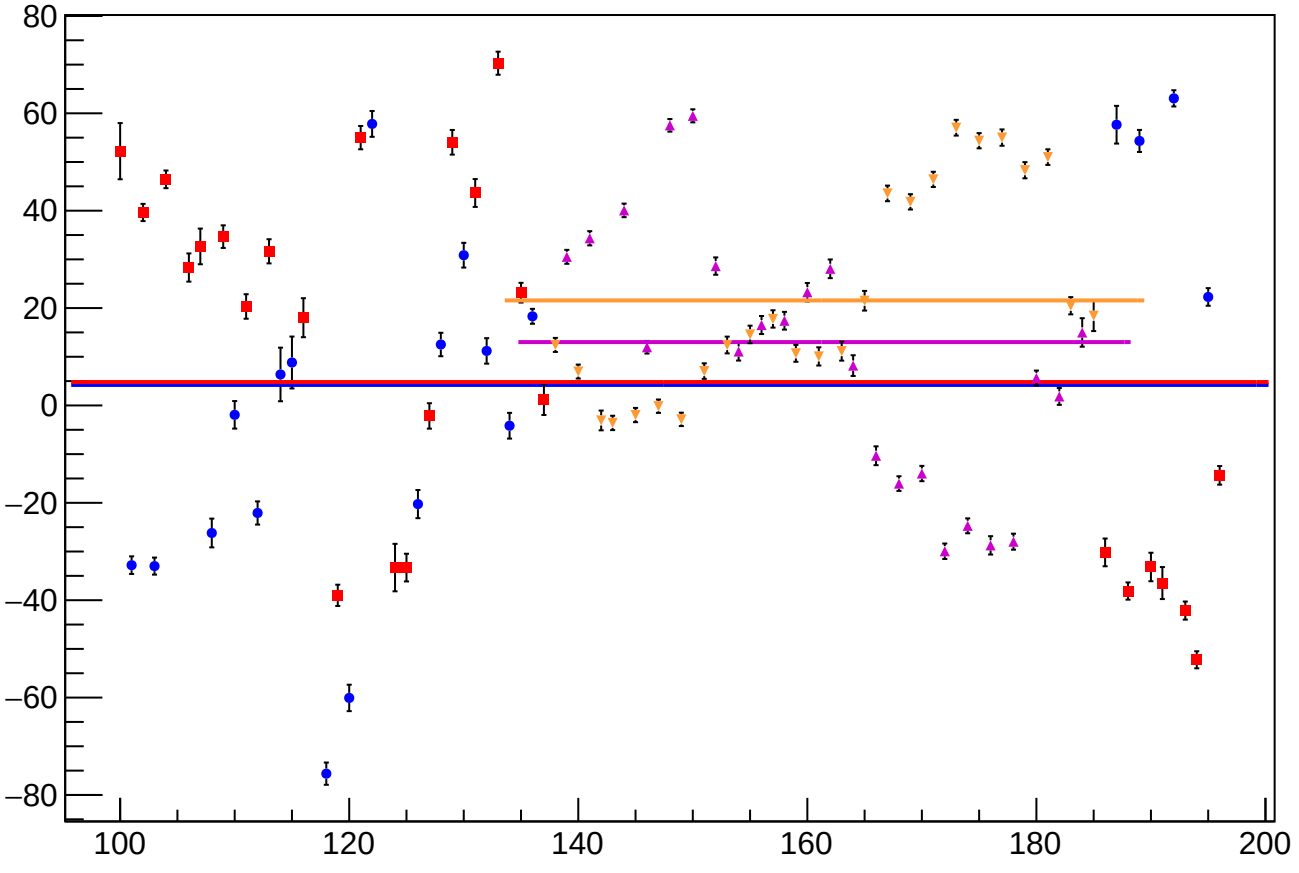
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1646.240+/-0.218 χ^2/NDF: 1063332.8/44

All: 1627.856+/-0.151 χ^2/NDF: 2405207.0/93

- sign 1610.845+/-0.209 χ^2/NDF: 1328122.8/48

diff_bpm0i02aY_mean vs Slug



Right In: 4.214+/-0.522 χ^2/NDF: 5615.1/19

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 4.809+/-0.474 χ^2/NDF: 6799.4/25

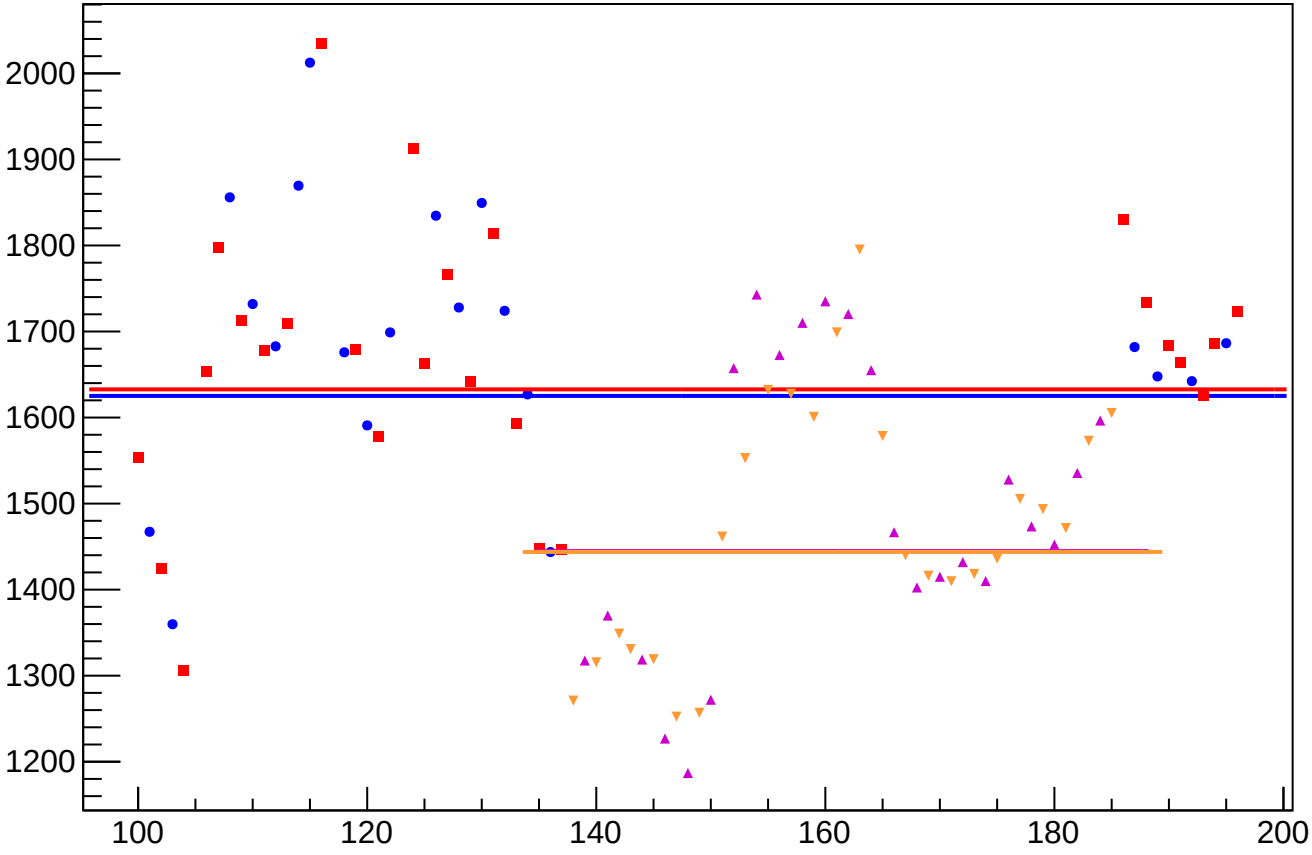
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.608+/-0.279 χ^2/NDF: 10566.5/44

All: 13.388+/-0.196 χ^2/NDF: 24455.3/93

- sign 10.226+/-0.276 χ^2/NDF: 13624.5/48

diff_bpm0i02aY_rms vs Slug



Right In: 1625.138+/-0.369 χ^2/NDF: 158644.9/19

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1632.752+/-0.335 χ^2/NDF: 191719.4/25

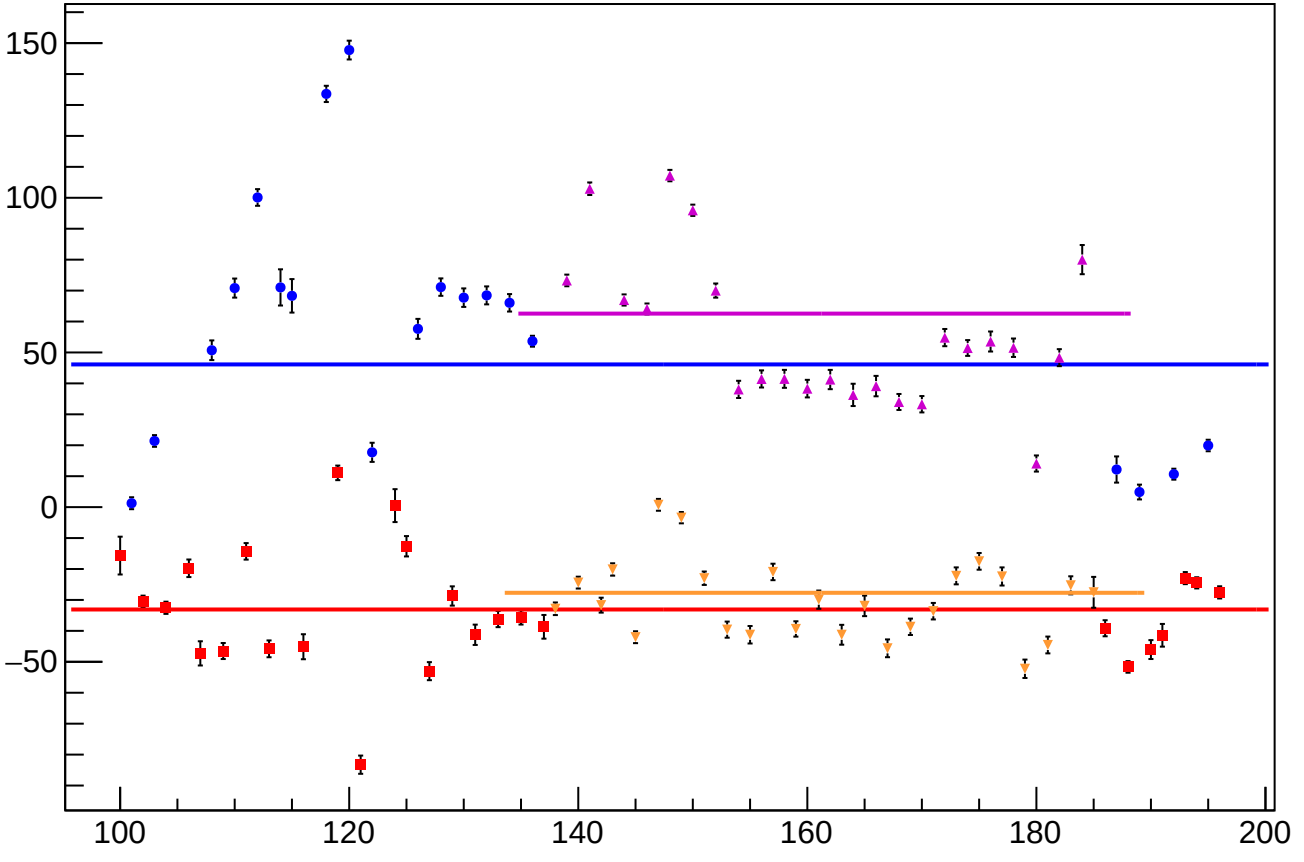
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1495.640+/-0.197 χ^2/NDF: 683662.9/44

All: 1502.210+/-0.139 χ^2/NDF: 1570365.5/93

- sign 1508.662+/-0.195 χ^2/NDF: 884501.6/48

diff_bpm0i05X_mean vs Slug



Right In: 46.132+/-0.573 χ^2/NDF: 4755.8/19

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -33.089+/-0.512 χ^2/NDF: 1115.9/25

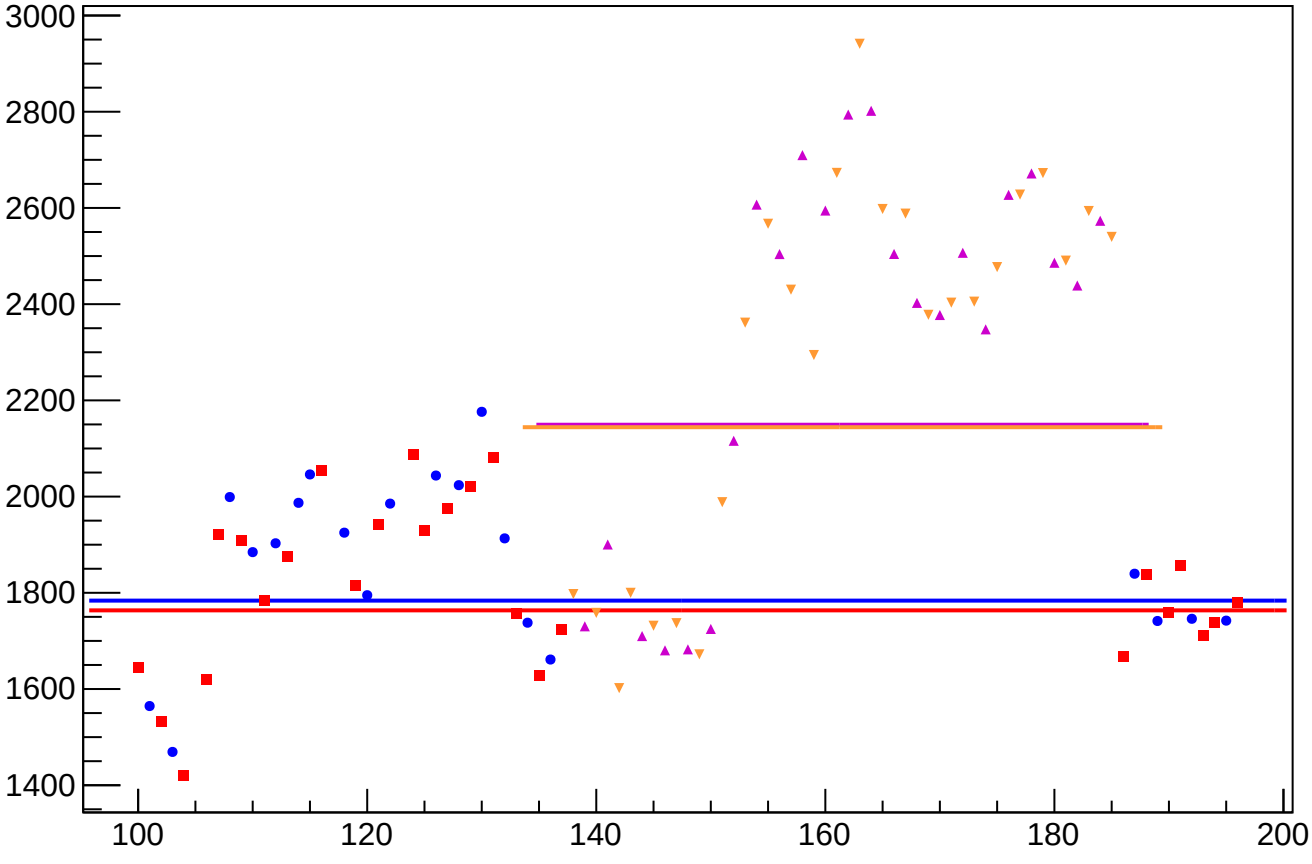
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 3.944+/-0.375 χ^2/NDF: 15014.2/44

All: 9.535+/-0.260 χ^2/NDF: 36480.6/93

- sign 14.743+/-0.362 χ^2/NDF: 21037.0/48

diff_bpm0i05X_rms vs Slug



Right In: 1783.771+/-0.405 χ^2/NDF: 196773.7/19

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1763.502+/-0.362 χ^2/NDF: 199043.0/25

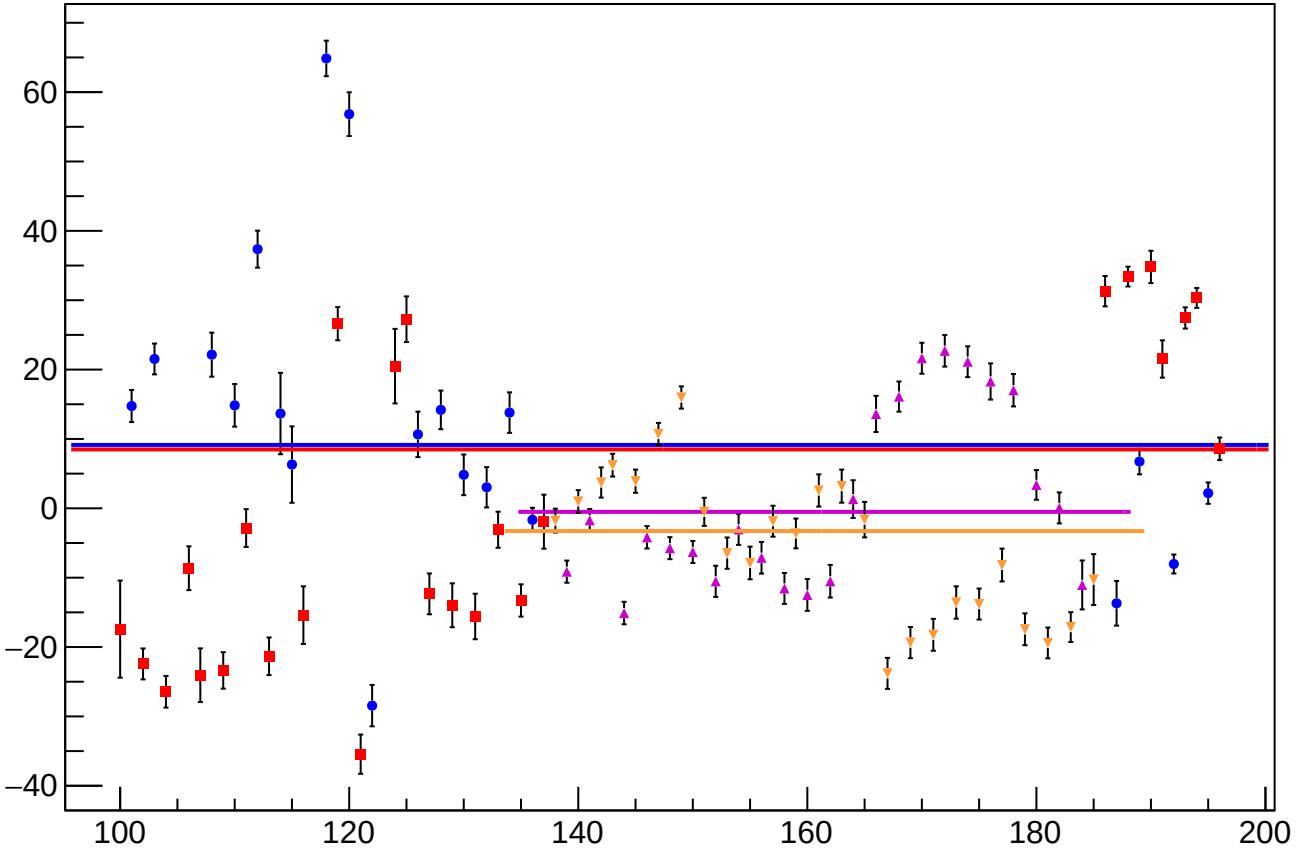
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1989.753+/-0.265 χ^2/NDF: 1929204.6/44

All: 1972.517+/-0.184 χ^2/NDF: 3970529.1/93

- sign 1956.462+/-0.256 χ^2/NDF: 2033162.3/48

diff_bpm0i05Y_mean vs Slug



Right In: 9.139+/-0.541 χ^2/NDF: 1312.3/19

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 8.490+/-0.471 χ^2/NDF: 2413.5/25

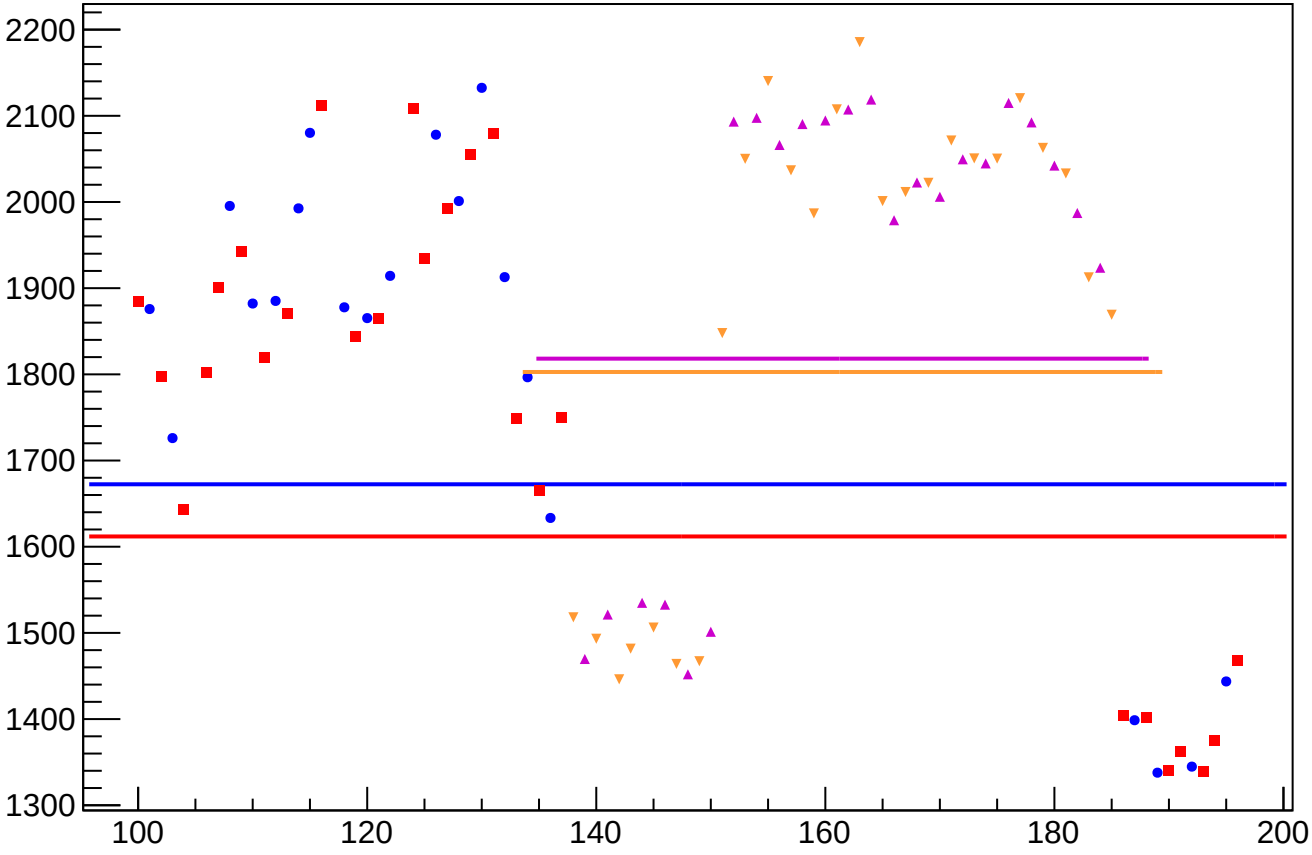
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.321+/-0.329 χ^2/NDF: 2315.3/44

All: 2.488+/-0.229 χ^2/NDF: 5698.0/93

- sign 3.575+/-0.318 χ^2/NDF: 3358.5/48

diff_bpm0i05Y_rms vs Slug



Right In: 1672.440+/-0.382 χ^2/NDF: 475640.4/19

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1611.905+/-0.333 χ^2/NDF: 558520.2/25

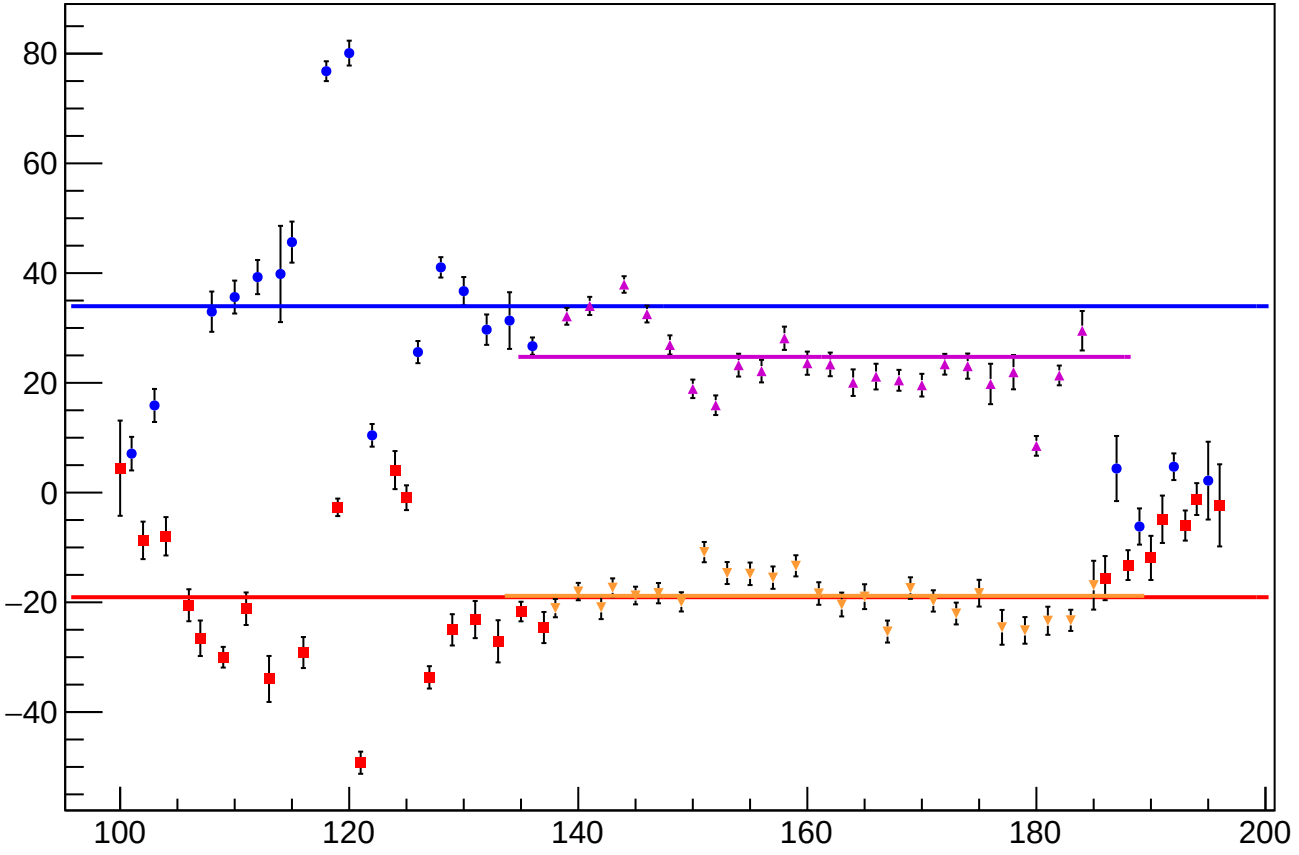
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1754.502+/-0.233 χ^2/NDF: 1446150.6/44

All: 1739.005+/-0.162 χ^2/NDF: 3062821.7/93

- sign 1724.568+/-0.225 χ^2/NDF: 1608101.8/48

diff_bpm0i07X_mean vs Slug



Right In: 33.968+/-0.588 χ^2/NDF: 1626.9/19

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -19.067+/-0.540 χ^2/NDF: 681.9/25

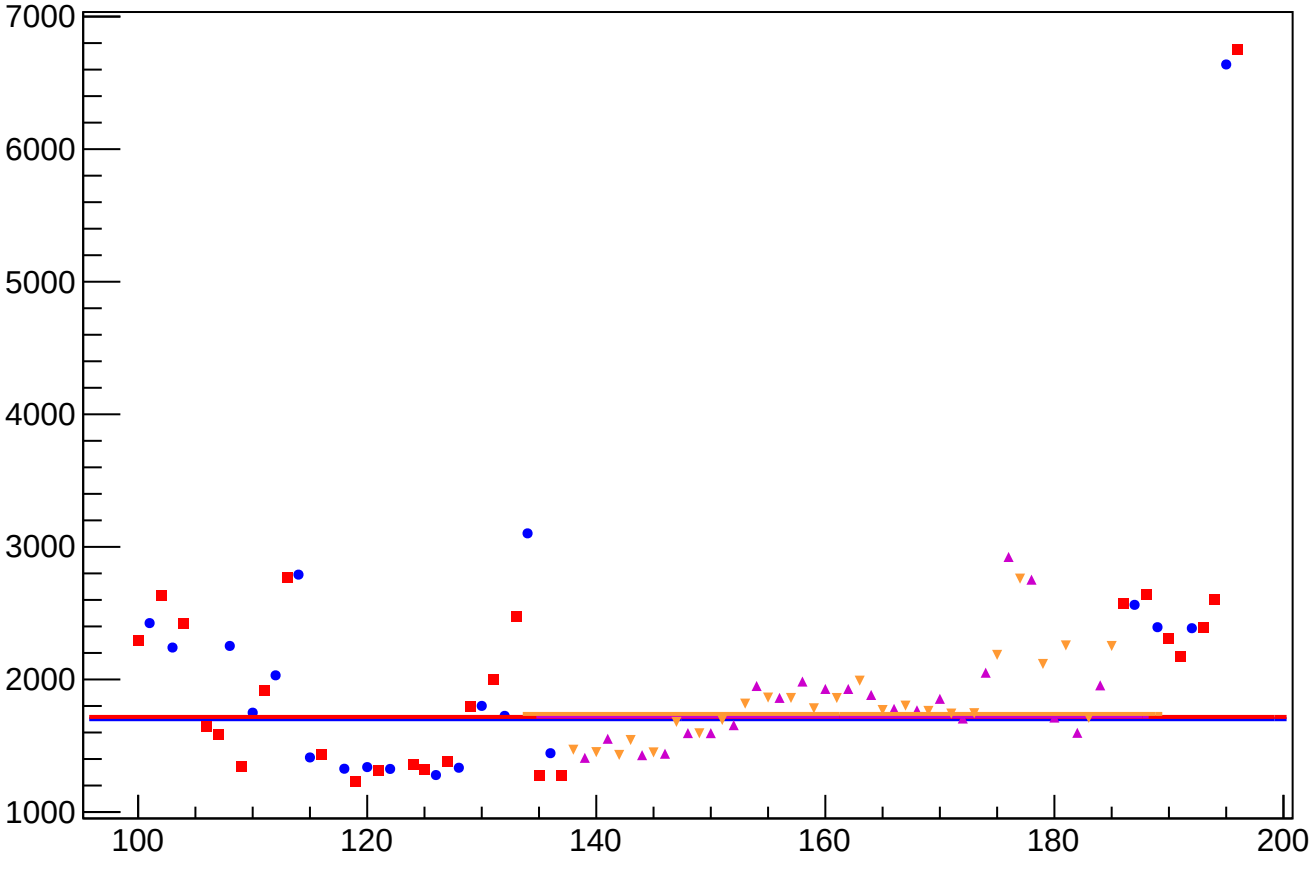
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.013+/-0.332 χ^2/NDF: 7191.9/44

All: 3.482+/-0.233 χ^2/NDF: 12900.4/93

\- sign 8.785+/-0.326 χ^2/NDF: 5169.6/48

diff_bpm0i07X_rms vs Slug



Right In: 1700.195+/-0.416 χ^2/NDF: 2118706.3/19

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1717.473+/-0.382 χ^2/NDF: 2745634.8/25

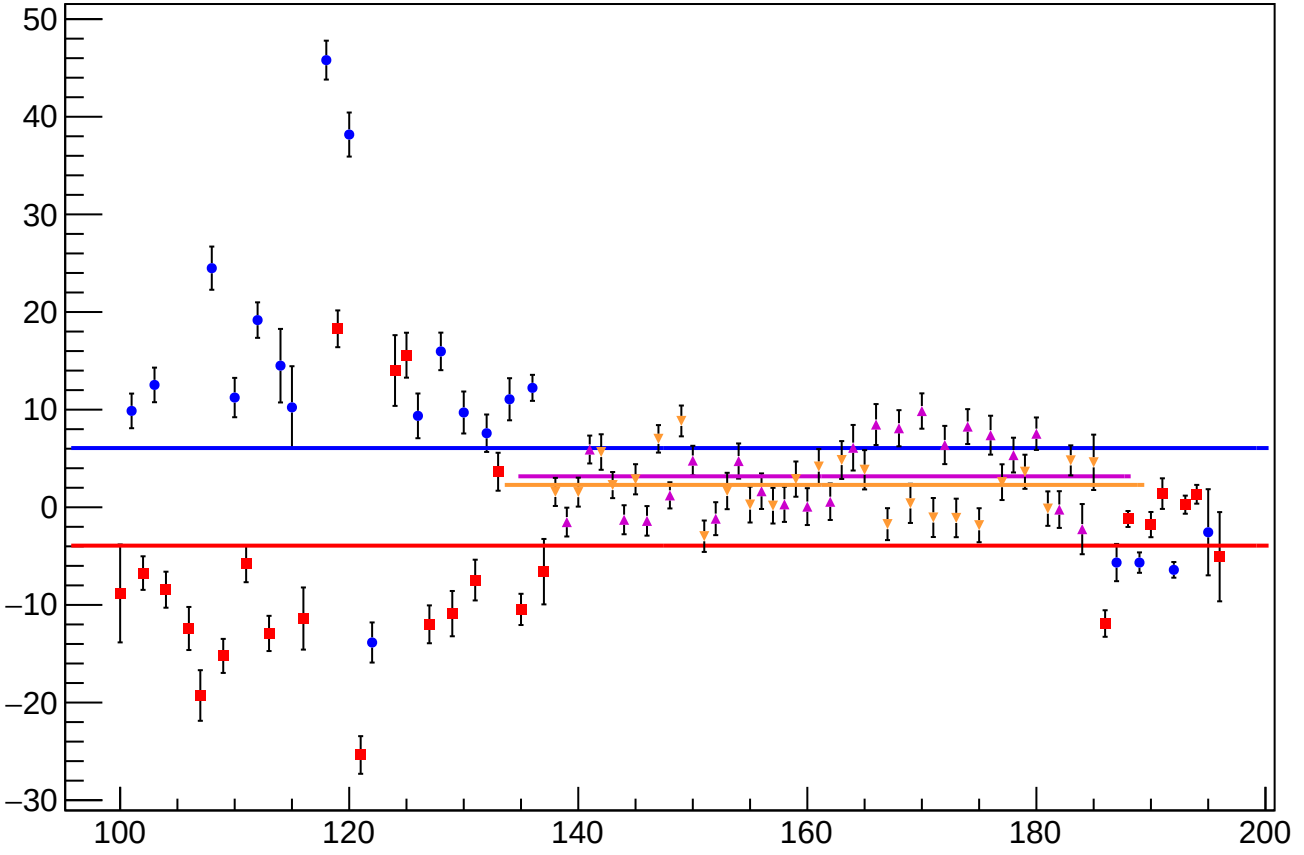
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1727.390+/-0.235 χ^2/NDF: 2878356.2/44

All: 1723.441+/-0.164 χ^2/NDF: 6508588.1/93

- sign 1719.630+/-0.231 χ^2/NDF: 3629675.3/48

diff_bpm0i07Y_mean vs Slug



Right In: 6.067+/-0.386 χ^2/NDF: 1313.8/19

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.928+/-0.322 χ^2/NDF: 663.8/25

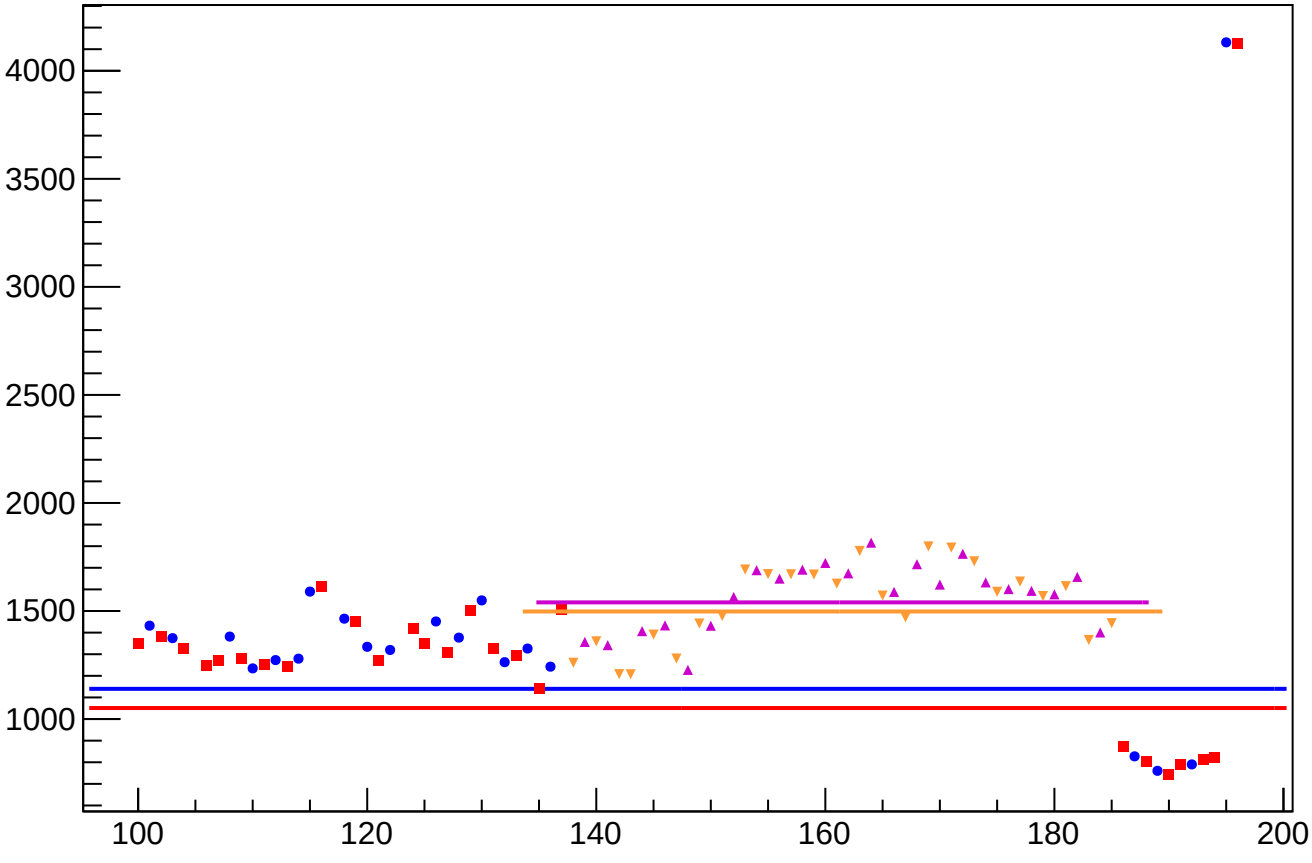
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

\+ sign 3.962+/-0.257 χ^2/NDF: 1440.7/44

All: 1.437+/-0.176 χ^2/NDF: 2611.5/93

\- sign -0.790+/-0.241 χ^2/NDF: 988.4/48

diff_bpm0i07Y_rms vs Slug



Right In: 1139.822+/-0.273 χ^2/NDF: 2028861.4/19

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

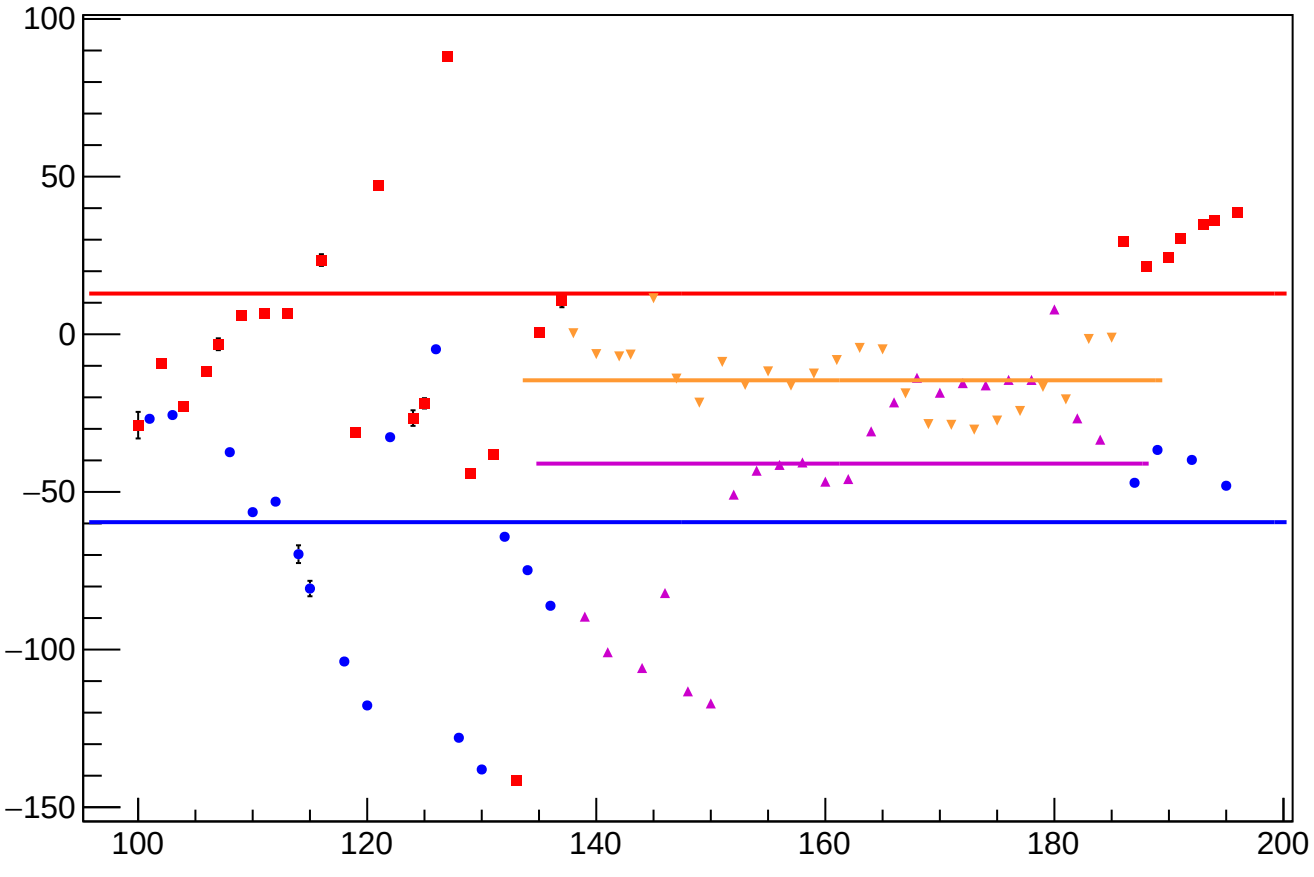
Right Out: 1050.954+/-0.228 χ^2/NDF: 2236173.7/25

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1339.429+/-0.181 χ^2/NDF: 3557851.4/44

All: 1300.934+/-0.124 χ^2/NDF: 8290672.9/93

- sign 1266.978+/-0.170 χ^2/NDF: 4648044.8/48



Right In: -59.590+/-0.264 χ^2/NDF: 15385.6/19

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 12.915+/-0.229 χ^2/NDF: 27534.4/25

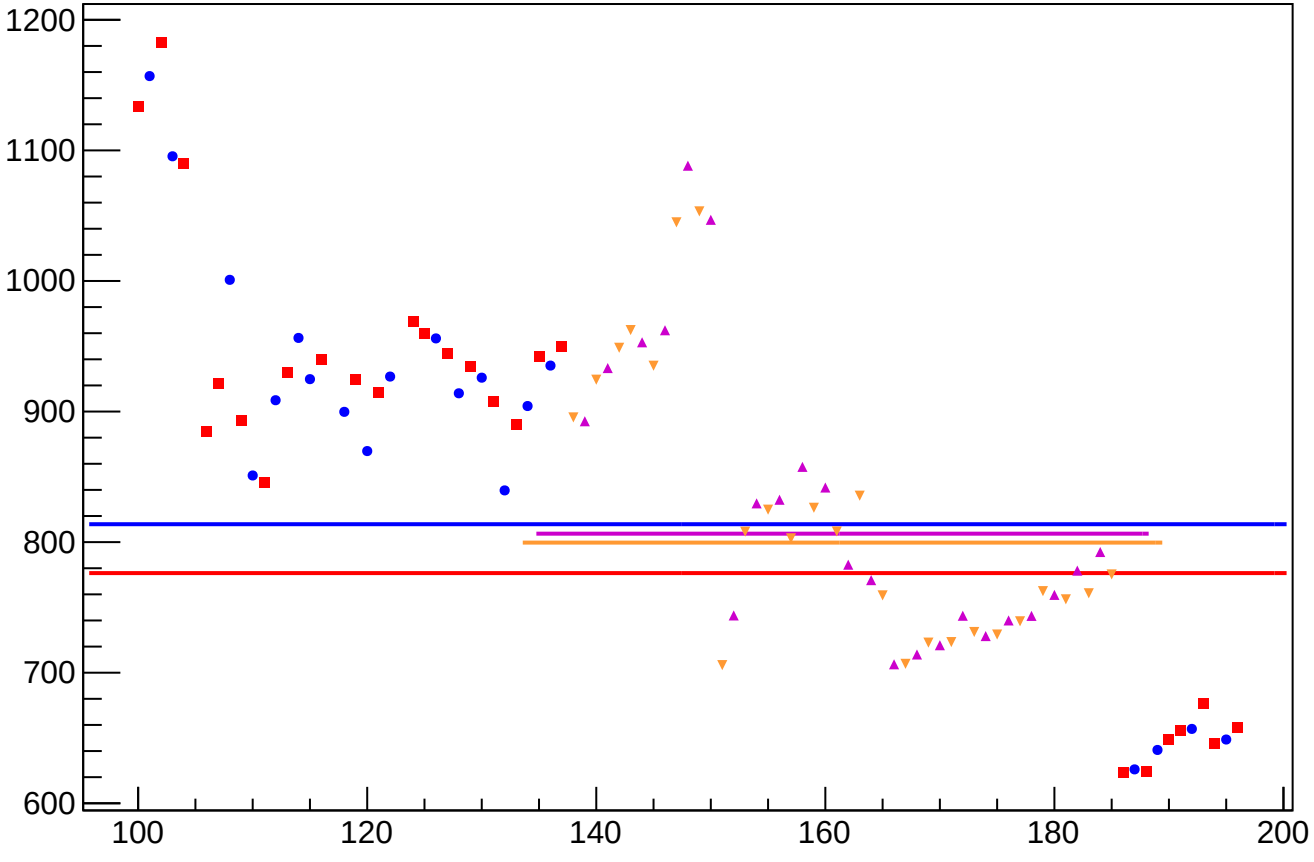
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.159+/-0.150 χ^2/NDF: 38120.6/44

All: -23.941+/-0.105 χ^2/NDF: 131997.9/93

- sign -19.025+/-0.146 χ^2/NDF: 91541.2/48

diff_bpm1i02X_rms vs Slug



Right In: 813.720+/-0.187 χ^2/NDF: 689108.0/19

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 776.288+/-0.162 χ^2/NDF: 928334.5/25

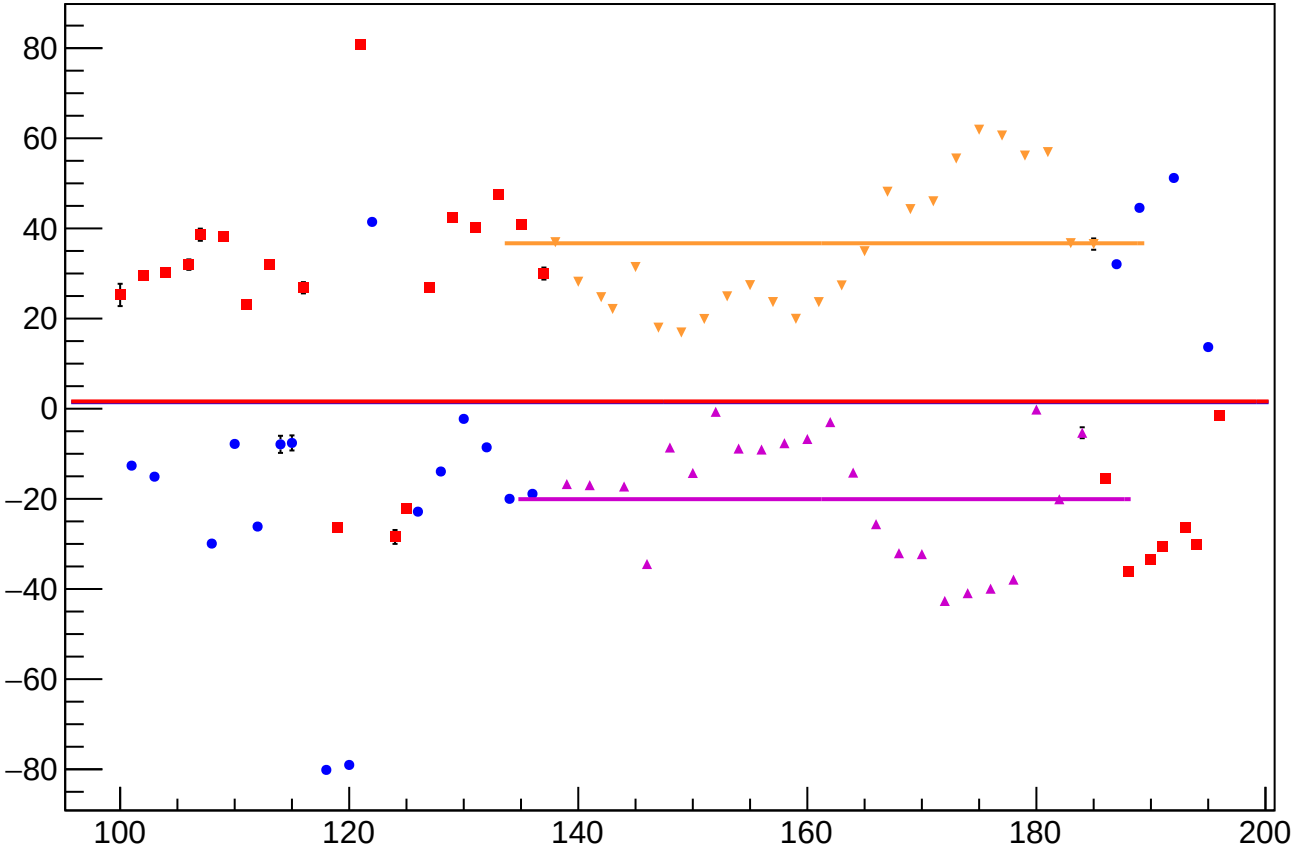
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 804.196+/-0.106 χ^2/NDF: 1190373.0/44

All: 799.032+/-0.074 χ^2/NDF: 2655219.8/93

- sign 794.166+/-0.103 χ^2/NDF: 1460270.1/48

diff_bpm1i02Y_mean vs Slug



Right In: 1.445+/-0.184 χ^2/NDF: 37507.8/19

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.615+/-0.162 χ^2/NDF: 42865.7/25

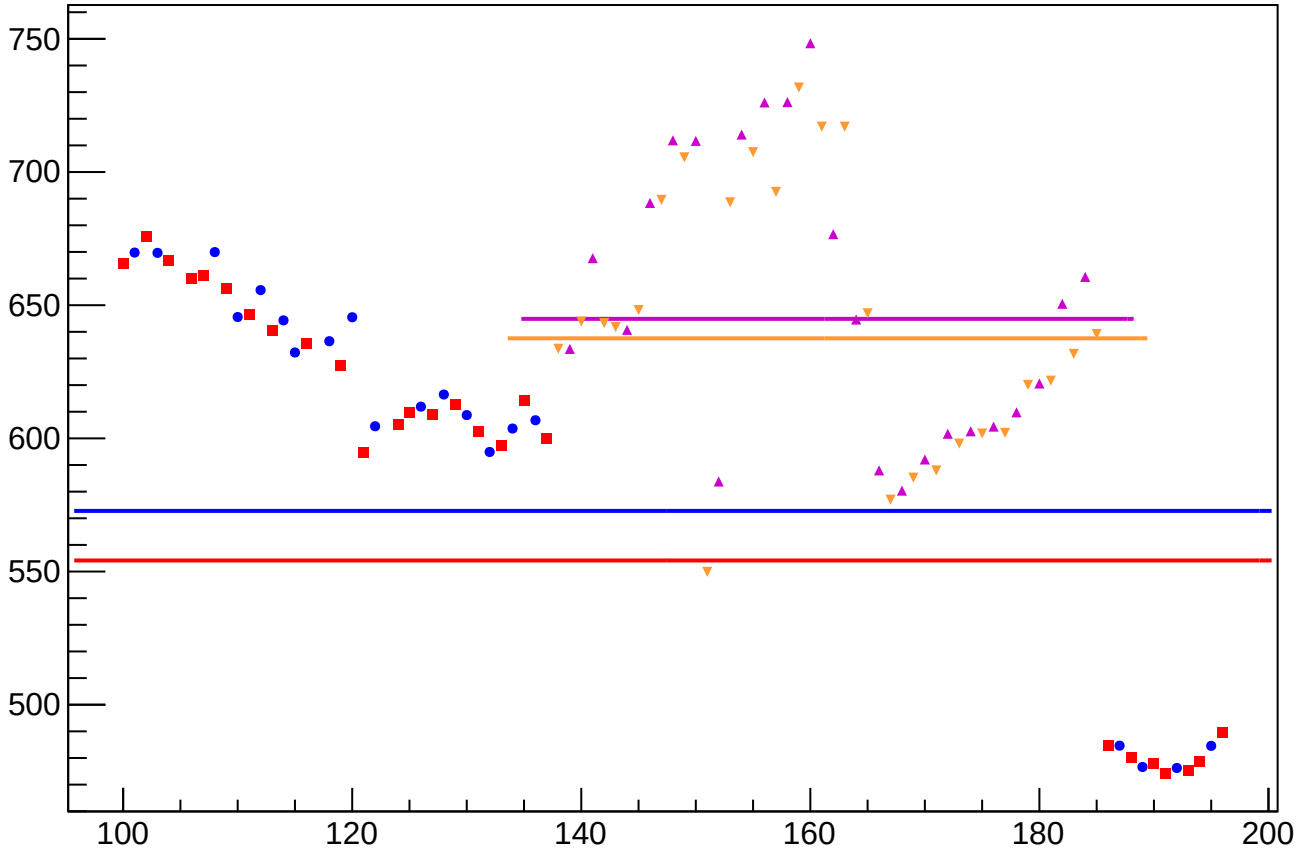
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.182+/-0.114 χ^2/NDF: 70282.9/44

All: 6.063+/-0.079 χ^2/NDF: 174802.6/93

- sign -9.941+/-0.110 χ^2/NDF: 61029.0/48

diff_bpm1i02Y_rms vs Slug



Right In: 572.769+/-0.130 χ^2/NDF: 337135.2/19

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 554.162+/-0.114 χ^2/NDF: 452018.8/25

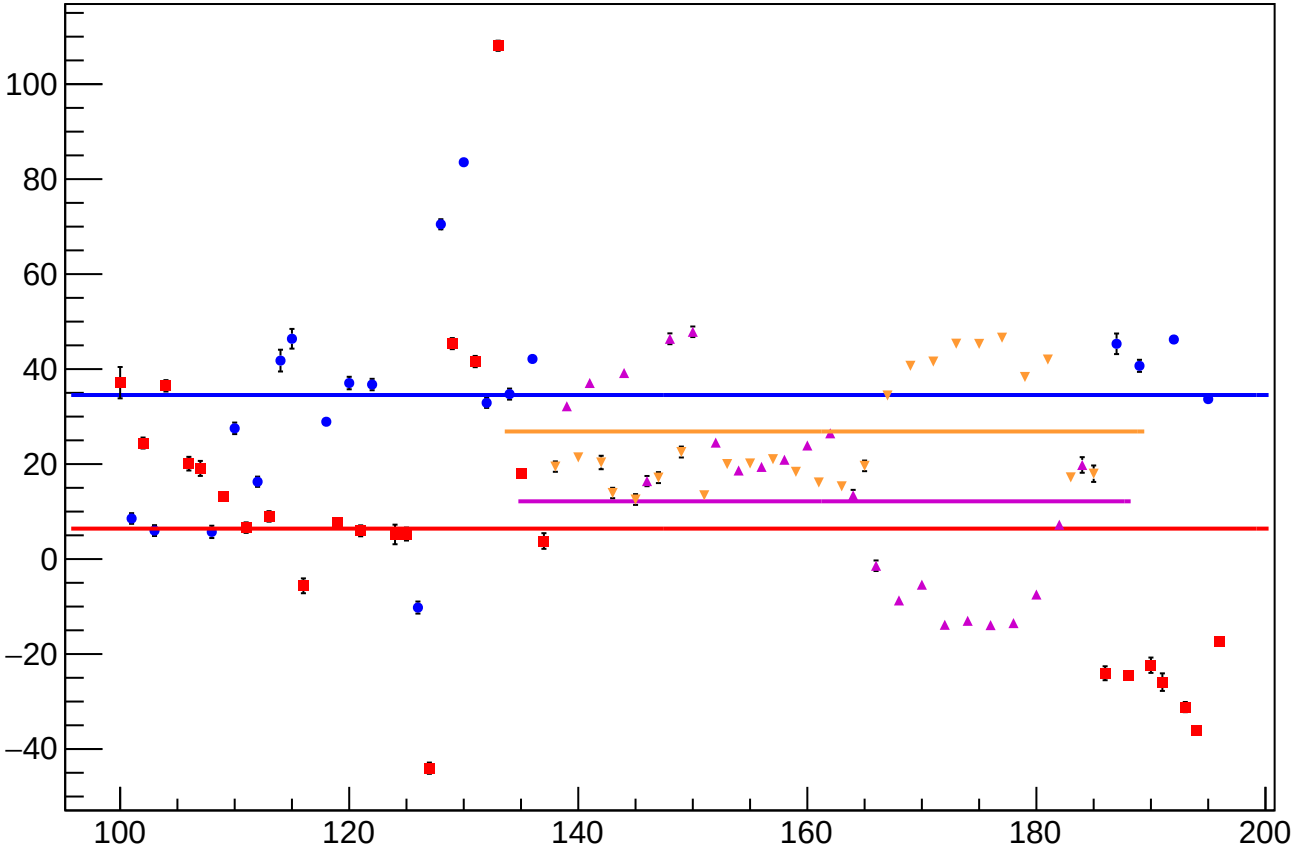
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 612.718+/-0.081 χ^2/NDF: 725966.8/44

All: 607.438+/-0.056 χ^2/NDF: 1751899.1/93

- sign 602.502+/-0.078 χ^2/NDF: 1017659.1/48

diff_bpm1i04X_mean vs Slug



Right In: 34.545+/-0.259 χ^2/NDF: 6927.1/19

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 6.413+/-0.240 χ^2/NDF: 19990.9/25

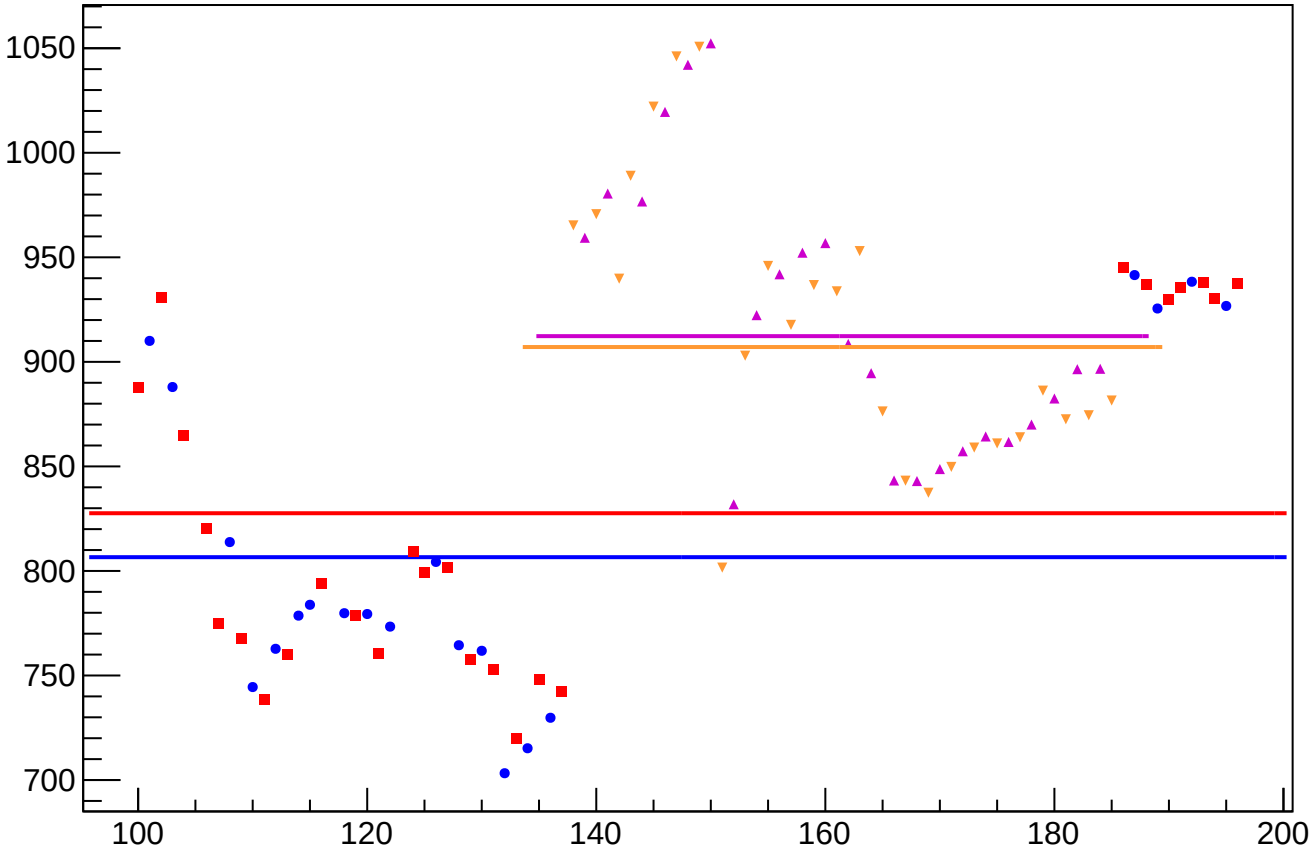
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.857+/-0.161 χ^2/NDF: 10855.2/44

All: 19.623+/-0.114 χ^2/NDF: 47654.8/93

- sign 9.620+/-0.160 χ^2/NDF: 28857.3/48

diff_bpm1i04X_rms vs Slug



Right In: 806.588+/-0.183 χ^2/NDF: 190641.0/19

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 827.605+/-0.170 χ^2/NDF: 234772.9/25

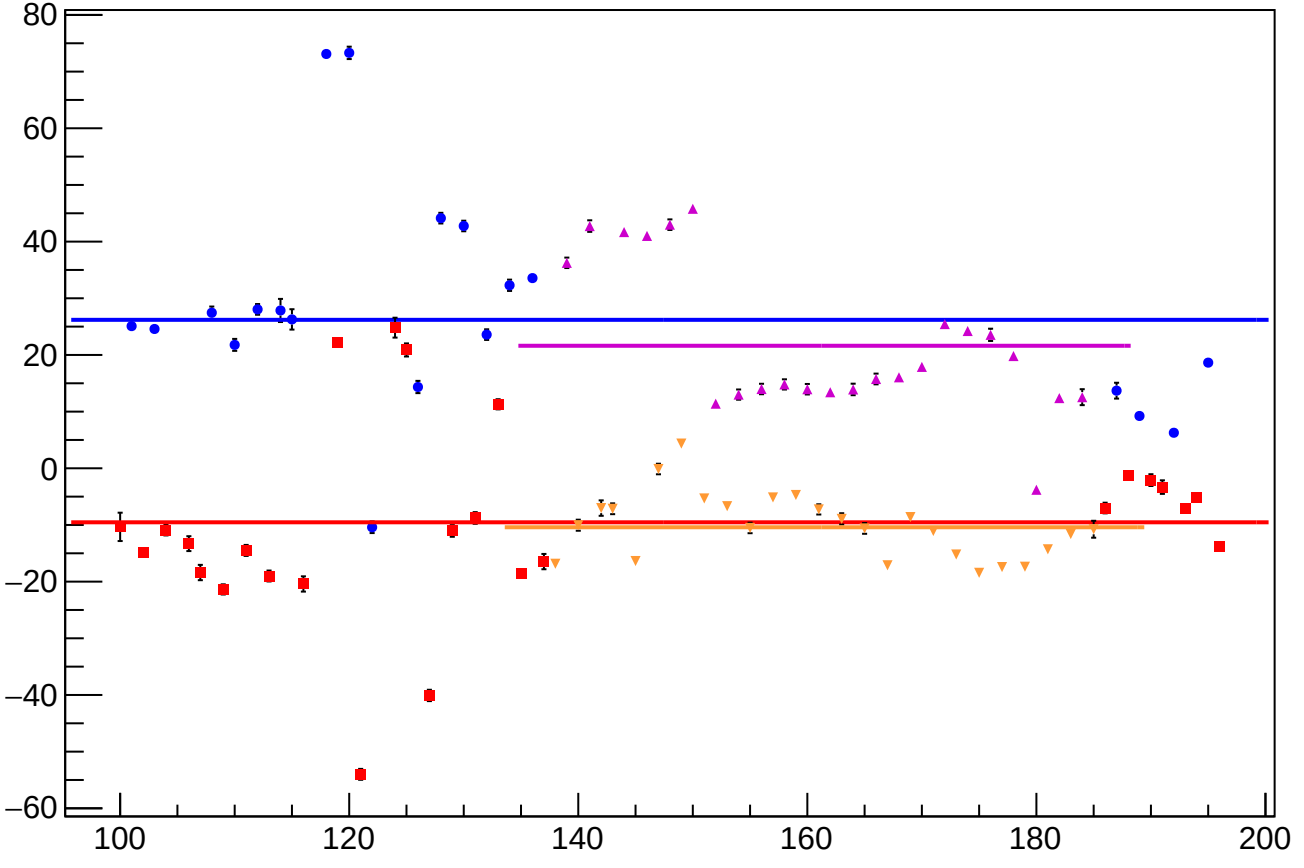
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 867.942+/-0.114 χ^2/NDF: 569466.5/44

All: 871.451+/-0.080 χ^2/NDF: 1119638.9/93

- sign 874.881+/-0.113 χ^2/NDF: 548304.7/48

diff_bpm1i04Y_mean vs Slug



Right In: 26.197+/-0.201 χ^2/NDF: 8815.8/19

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -9.530+/-0.184 χ^2/NDF: 7026.9/25

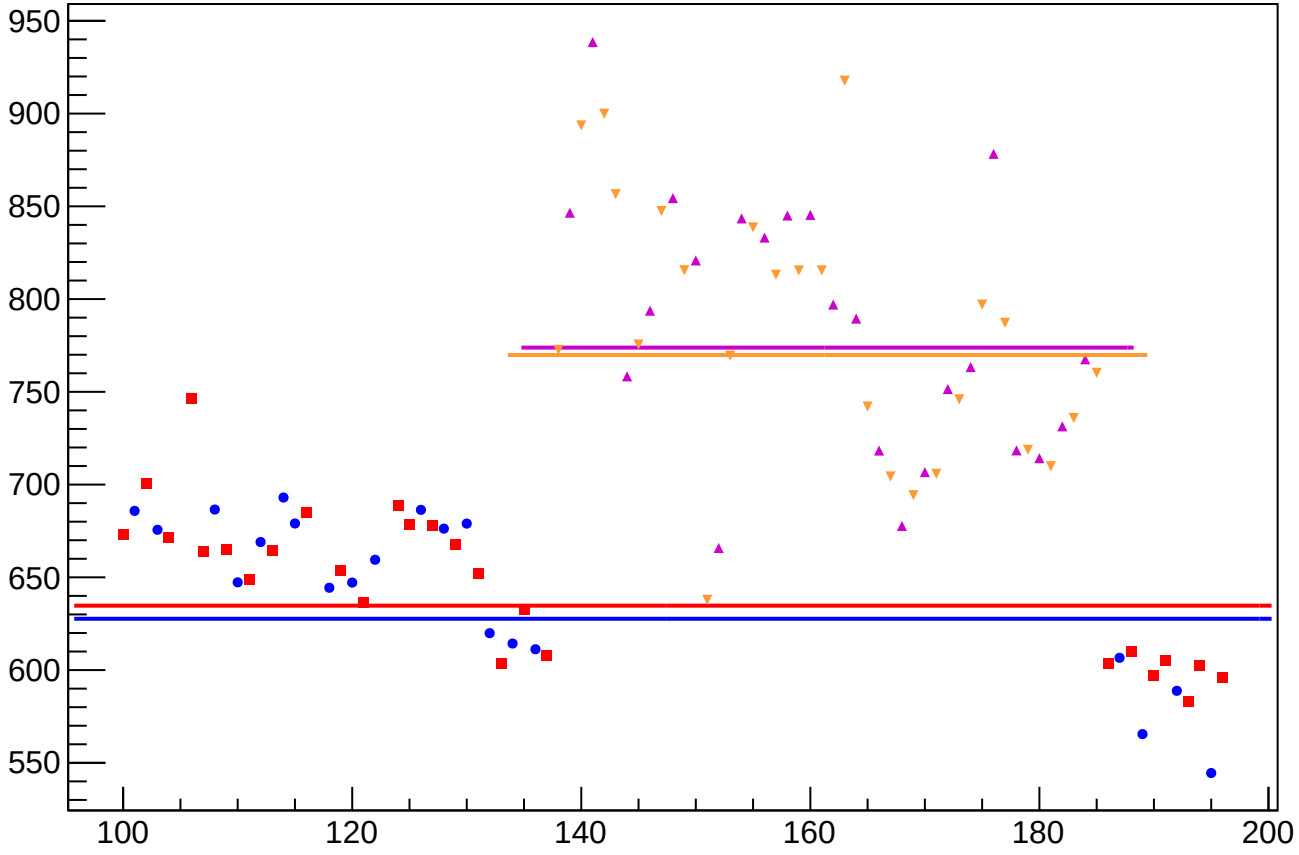
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 5.453+/-0.132 χ^2/NDF: 28597.5/44

All: 5.836+/-0.093 χ^2/NDF: 55395.3/93

- sign 6.200+/-0.129 χ^2/NDF: 26781.4/48

diff_bpm1i04Y_rms vs Slug



Right In: 627.663+/-0.142 χ^2/NDF: 113290.9/19

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 634.728+/-0.130 χ^2/NDF: 86282.7/25

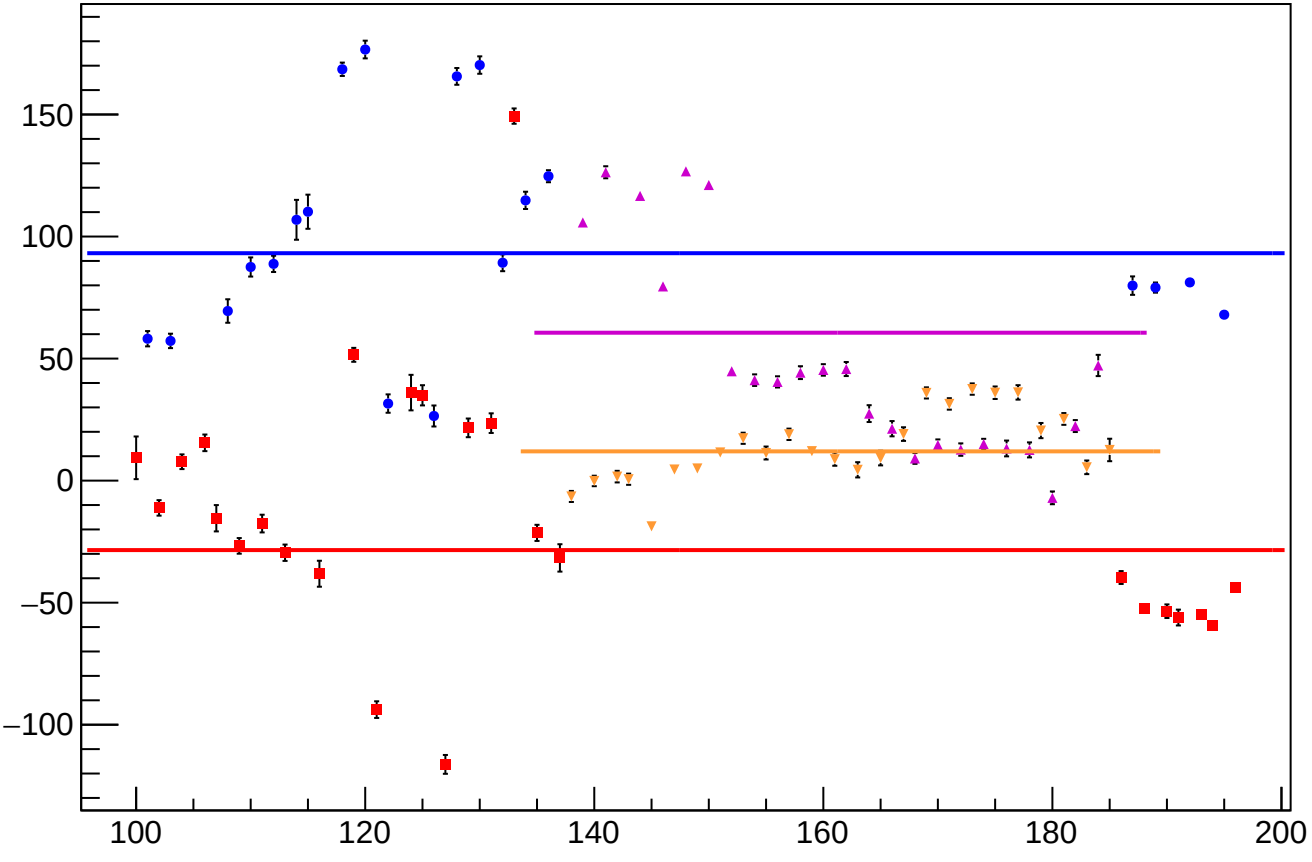
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 708.246+/-0.094 χ^2/NDF: 983362.5/44

All: 706.572+/-0.065 χ^2/NDF: 1931983.4/93

- sign 704.978+/-0.091 χ^2/NDF: 947997.7/48

diff_bpm1i06X_mean vs Slug



Right In: 93.174+/-0.653 χ^2/NDF: 3572.8/19

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -28.459+/-0.575 χ^2/NDF: 6909.1/25

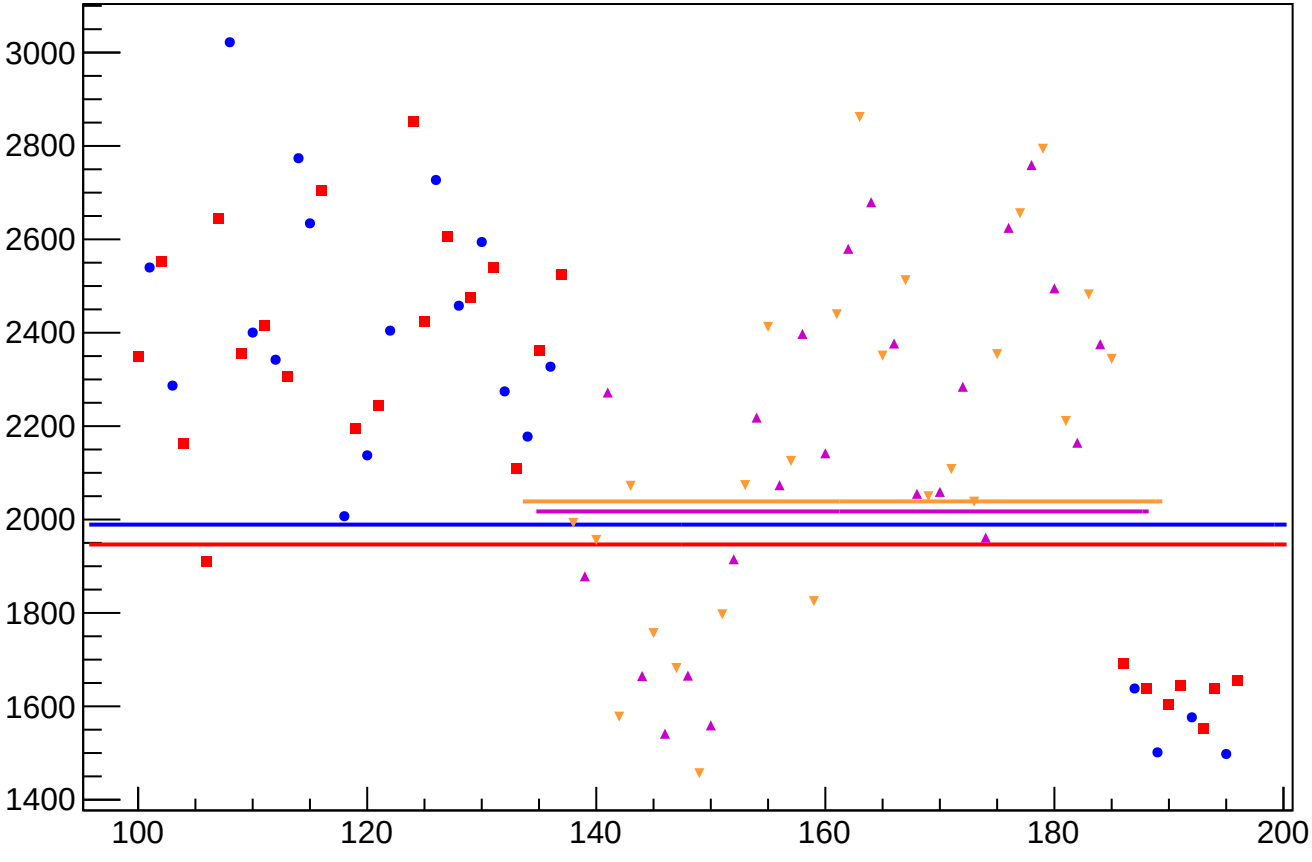
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 39.793+/-0.382 χ^2/NDF: 14671.7/44

All: 31.563+/-0.265 χ^2/NDF: 45240.9/93

- sign 23.909+/-0.369 χ^2/NDF: 29675.1/48

diff_bpm1i06X_rms vs Slug



Right In: 1989.155+/-0.462 χ^2/NDF: 933804.9/19

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1946.590+/-0.406 χ^2/NDF: 885331.3/25

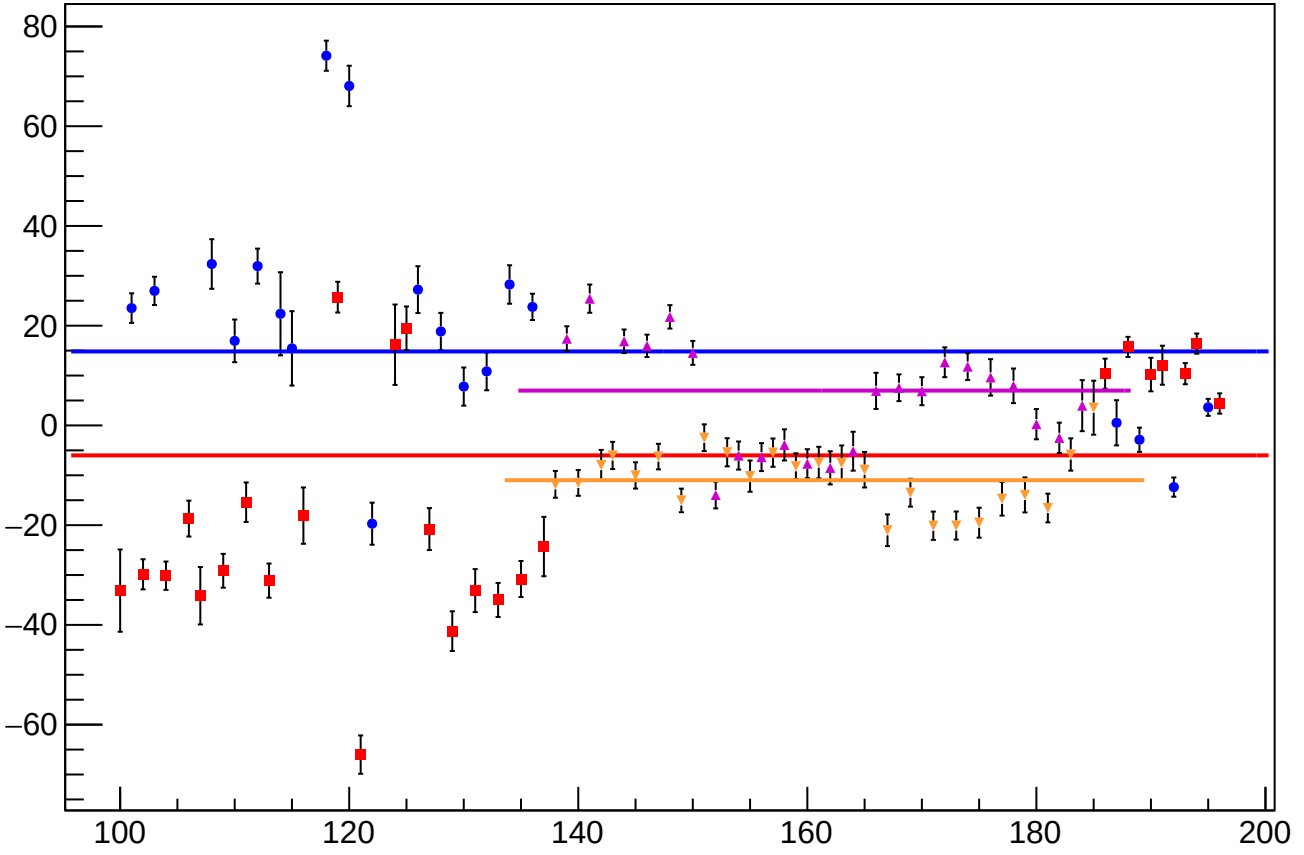
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2021.787+/-0.270 χ^2/NDF: 2064910.4/44

All: 2004.378+/-0.188 χ^2/NDF: 4026114.4/93

- sign 1988.185+/-0.261 χ^2/NDF: 1953201.9/48

diff_bpm1i06Y_mean vs Slug



Right In: 14.835+/-0.712 χ^2/NDF: 1031.9/19

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -6.006+/-0.639 χ^2/NDF: 1341.1/25

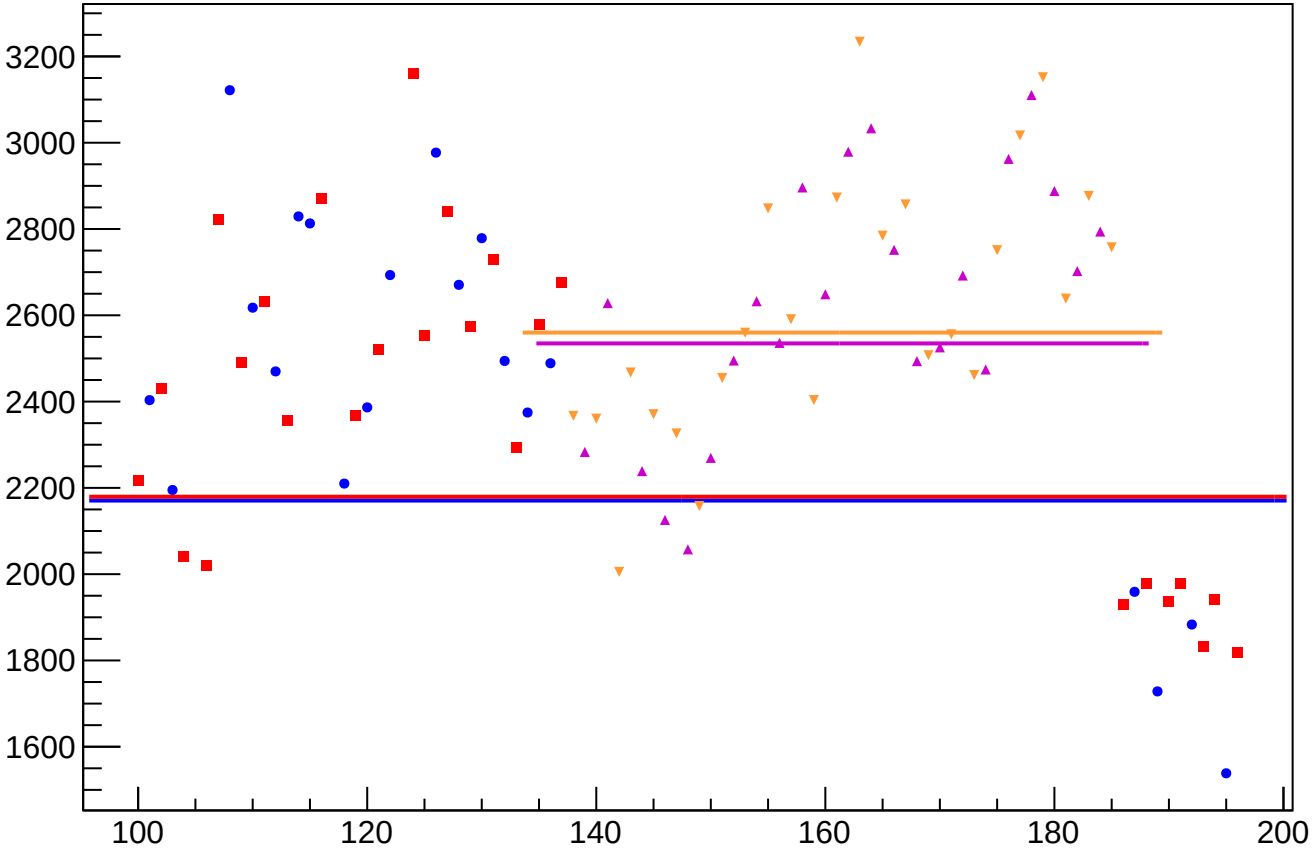
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.561+/-0.452 χ^2/NDF: 1903.6/44

All: 0.204+/-0.314 χ^2/NDF: 3809.8/93

- sign 0.918+/-0.437 χ^2/NDF: 1900.7/48

diff_bpm1i06Y_rms vs Slug



Right In: 2170.624+/-0.503 χ^2/NDF: 771462.1/19

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

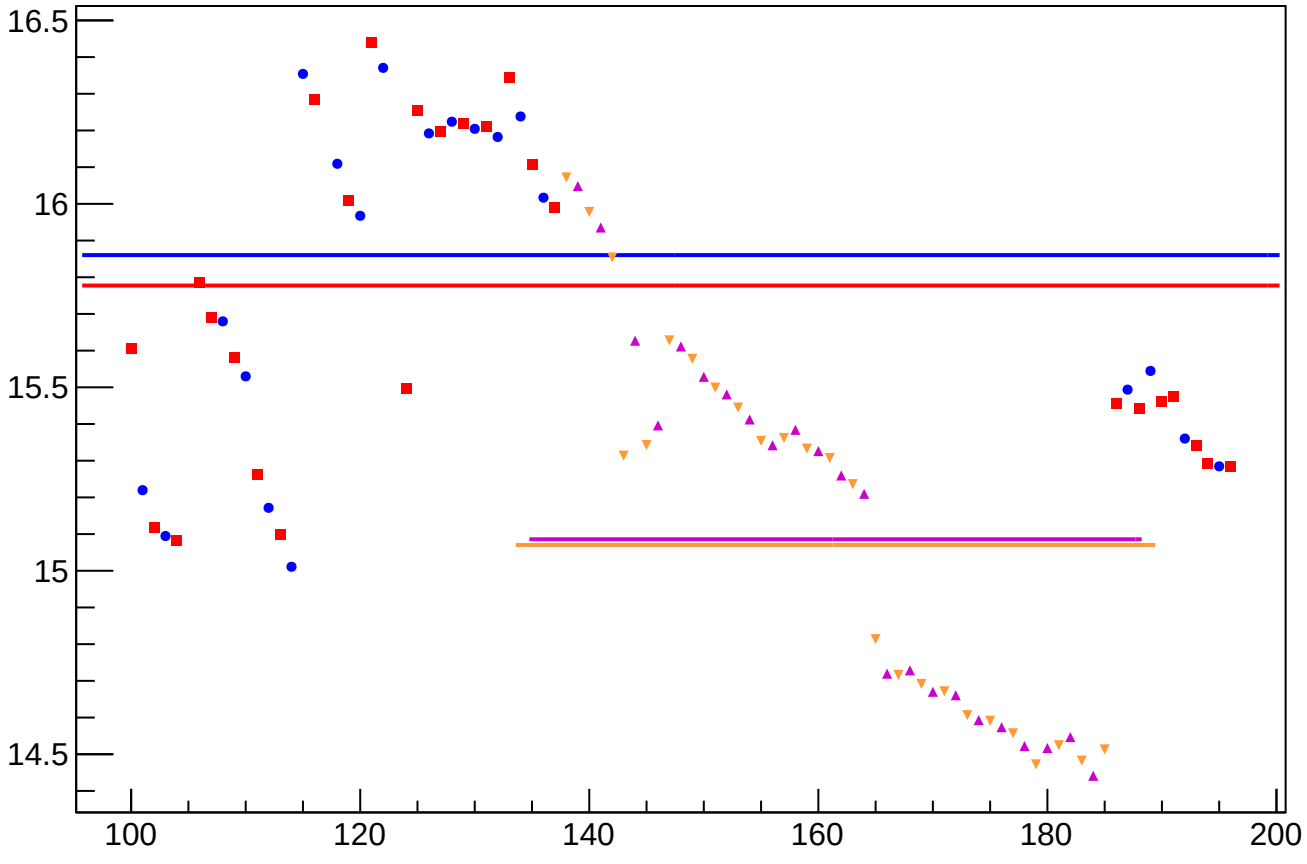
Right Out: 2179.496+/-0.452 χ^2/NDF: 528955.9/25

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2402.760+/-0.320 χ^2/NDF: 1578151.8/44

All: 2385.217+/-0.222 χ^2/NDF: 2905729.4/93

- sign 2368.855+/-0.309 χ^2/NDF: 1321765.4/48



Right In: 15.860+/-0.000 χ^2/NDF: 7418546590.2/19

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.777+/-0.000 χ^2/NDF: 9323163661.0/25

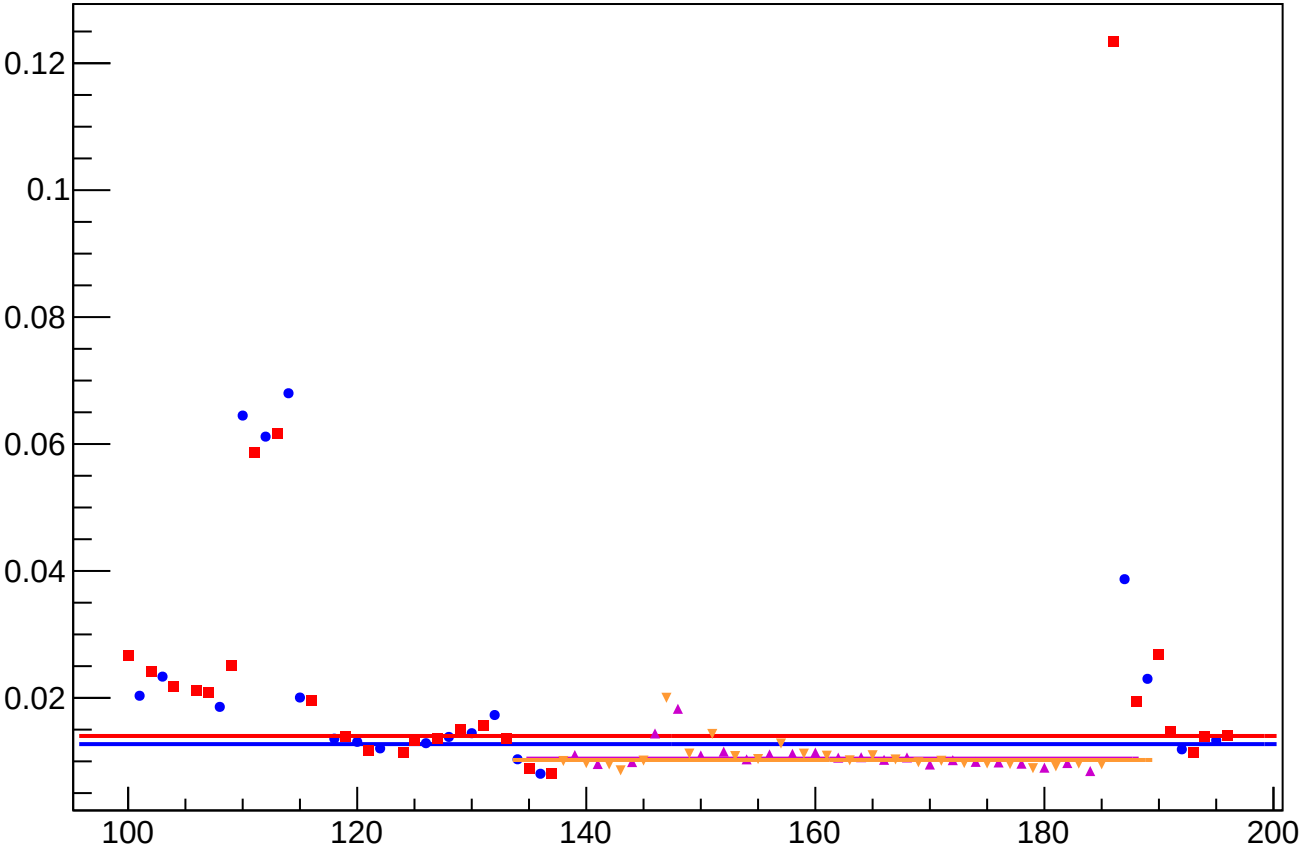
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.242+/-0.000 χ^2/NDF: 74695852954.6/44

All: 15.245+/-0.000 χ^2/NDF: 141306016061.

- 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: 2696372.0/19

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

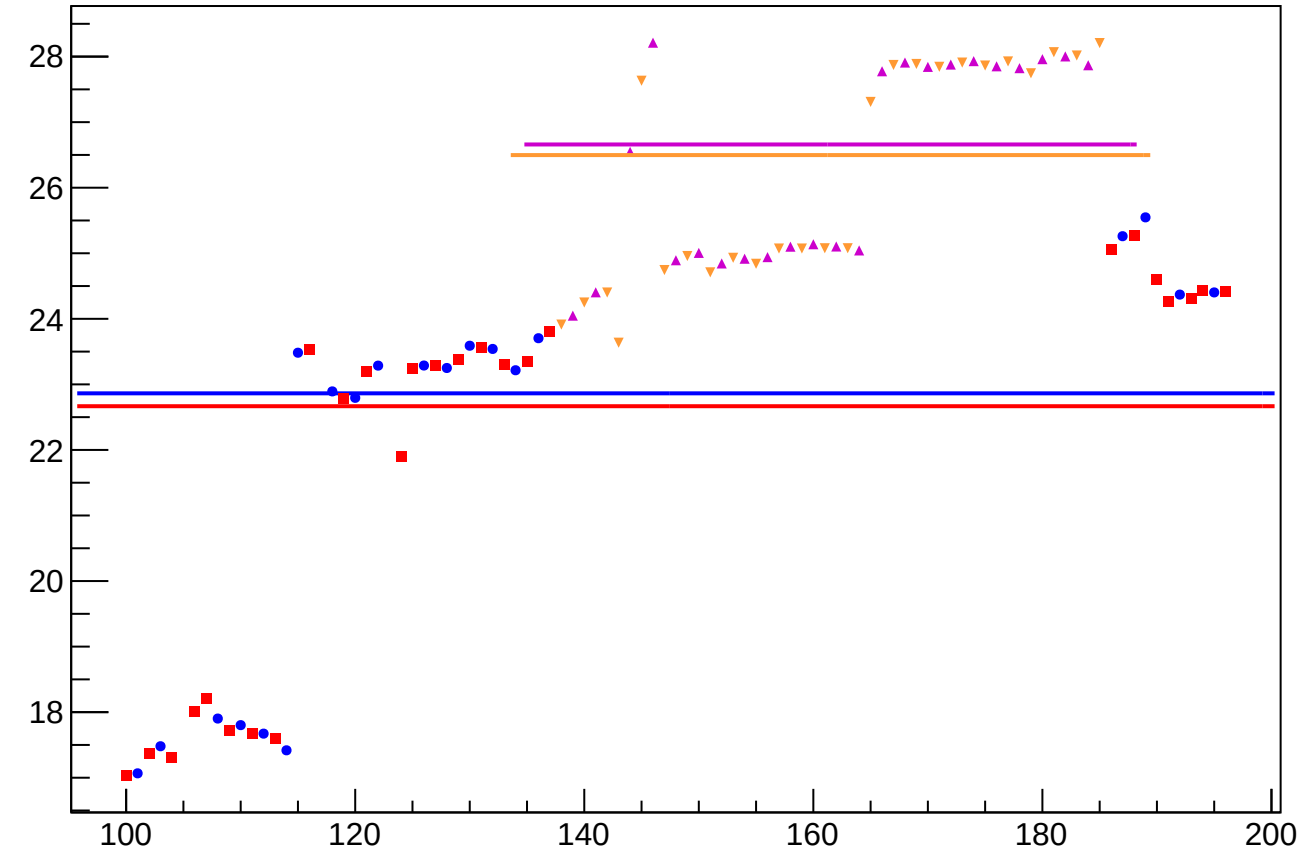
Right Out: 0.014+/-0.000 χ^2/NDF: 3220661.0/25

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3928606.7/44

All: 0.011+/-0.000 χ^2/NDF: 8750159.0/93

- sign 0.011+/-0.000 χ^2/NDF: 4766230.9/48



Right In: 22.863+/-0.000 χ^2/NDF: 1315913284.9/19

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.667+/-0.000 χ^2/NDF: 1415144580.5/25

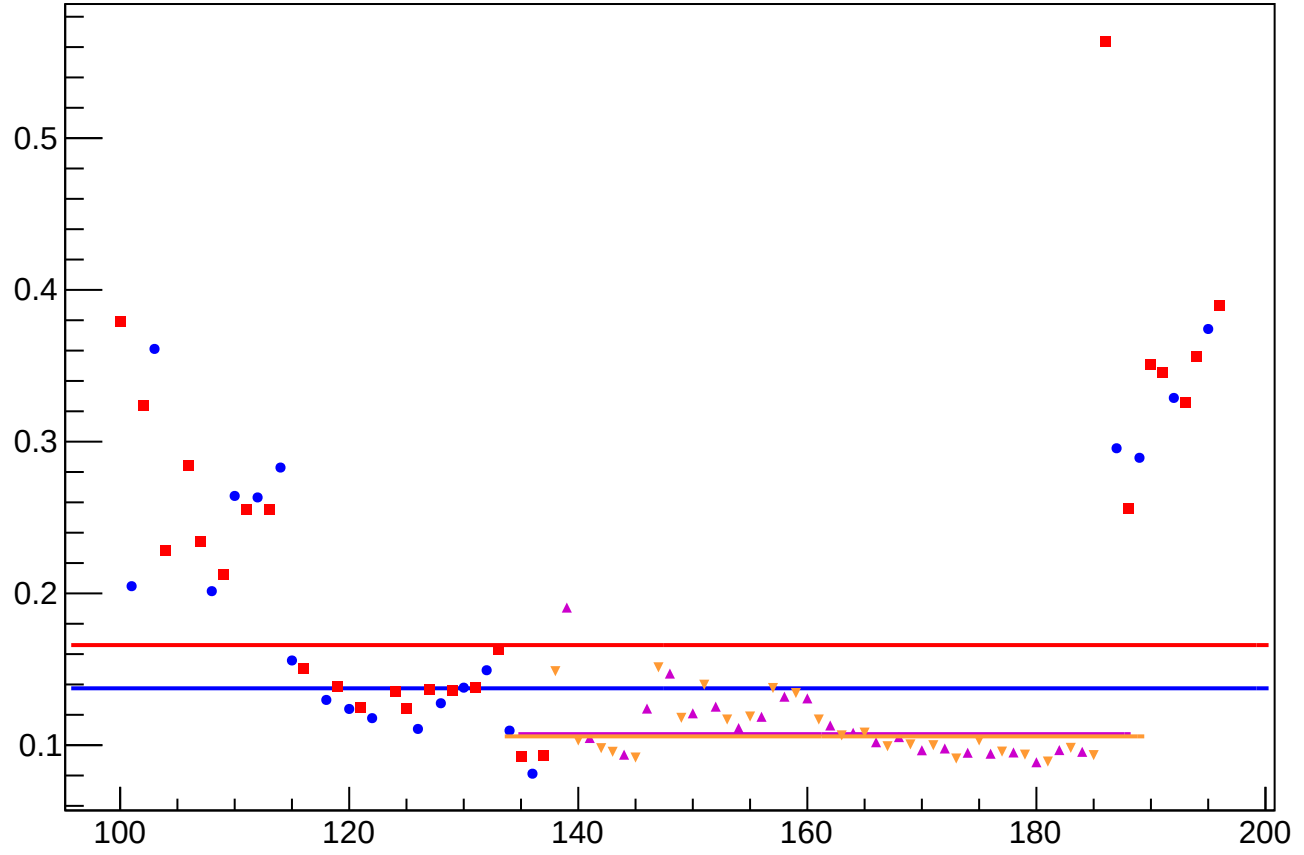
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.777+/-0.000 χ^2/NDF: 9107097413.3/44

All: 25.836+/-0.000 χ^2/NDF: 17543384778.7

- sign 25.901+/-0.000 χ^2/NDF: 8422897047.6/48

yield_sam2_rms vs Slug



Right In: 0.137+/-0.000 χ^2/NDF: 3565883.2/19

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

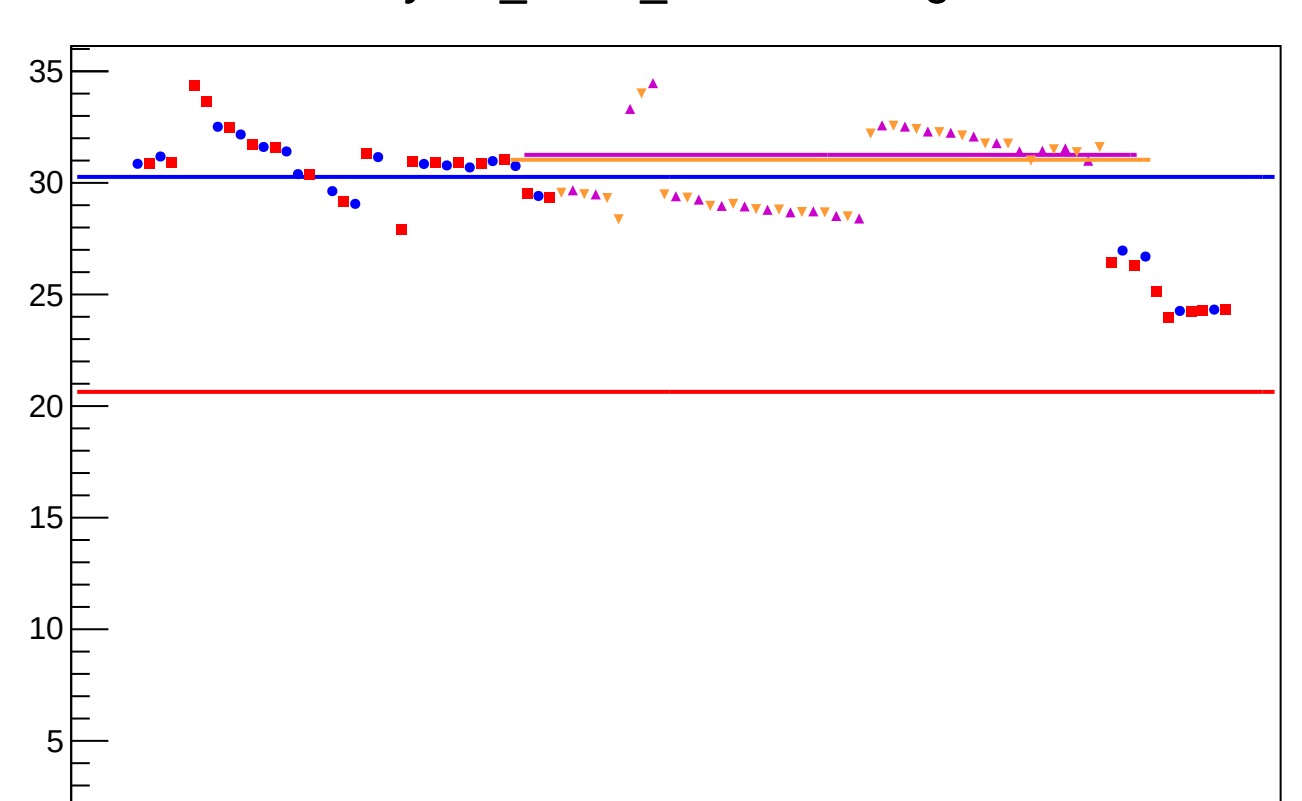
Right Out: 0.166+/-0.000 χ^2/NDF: 4203794.7/25

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.112+/-0.000 χ^2/NDF: 4911919.8/44

All: 0.115+/-0.000 χ^2/NDF: 11826563.4/93

- sign 0.118+/-0.000 χ^2/NDF: 6843632.0/48



Right In: 30.268+/-0.000 χ^2/NDF: 2001779227.7/19

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.637+/-0.000 χ^2/NDF: 223654889533.2/25

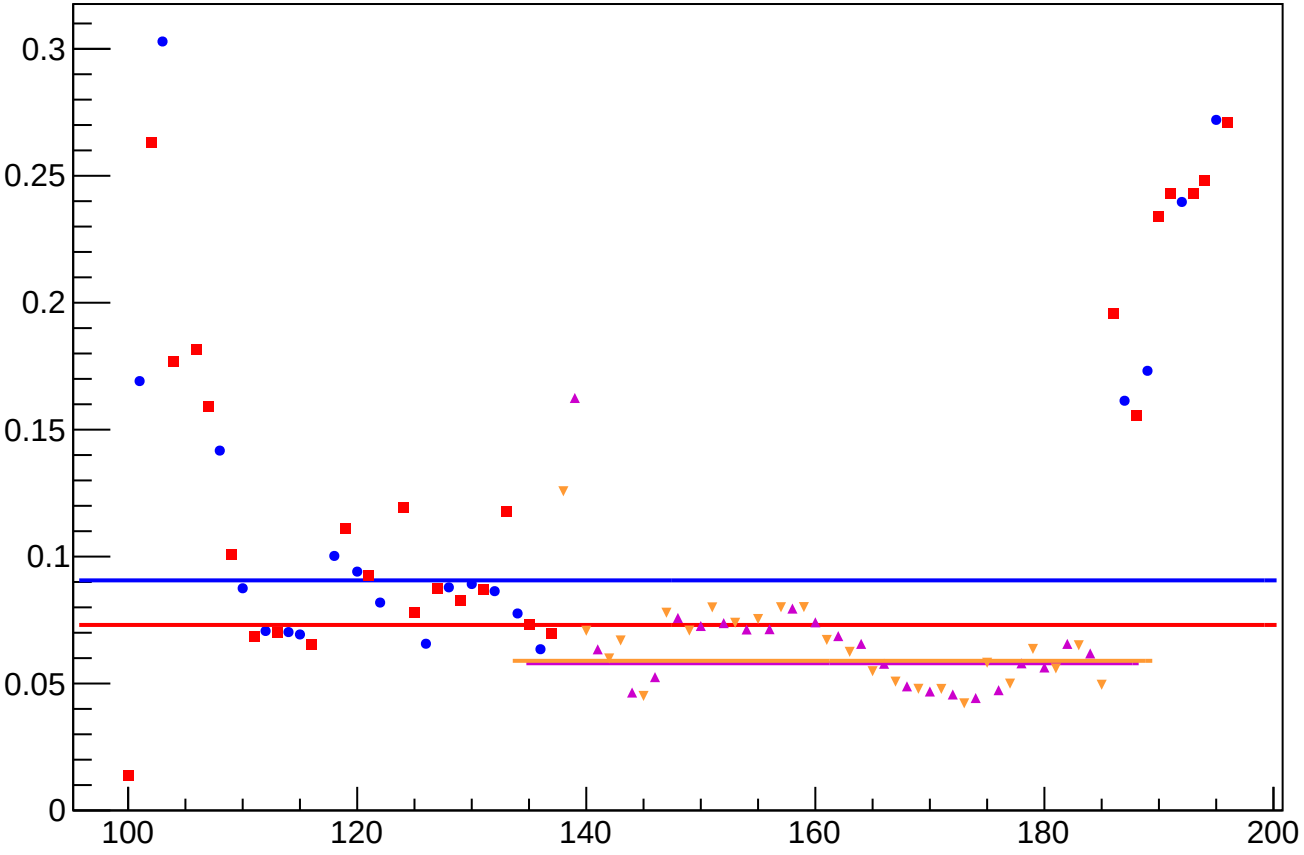
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.911+/-0.000 χ^2/NDF: 14305942156.5/44

All: 29.880+/-0.000 χ^2/NDF: 364926682190.

- sign 28.888+/-0.000 χ^2/NDF: 339970778986.3/48

yield_sam3_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 3124800.2/19

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.073+/-0.000 χ^2/NDF: 8157787.6/25

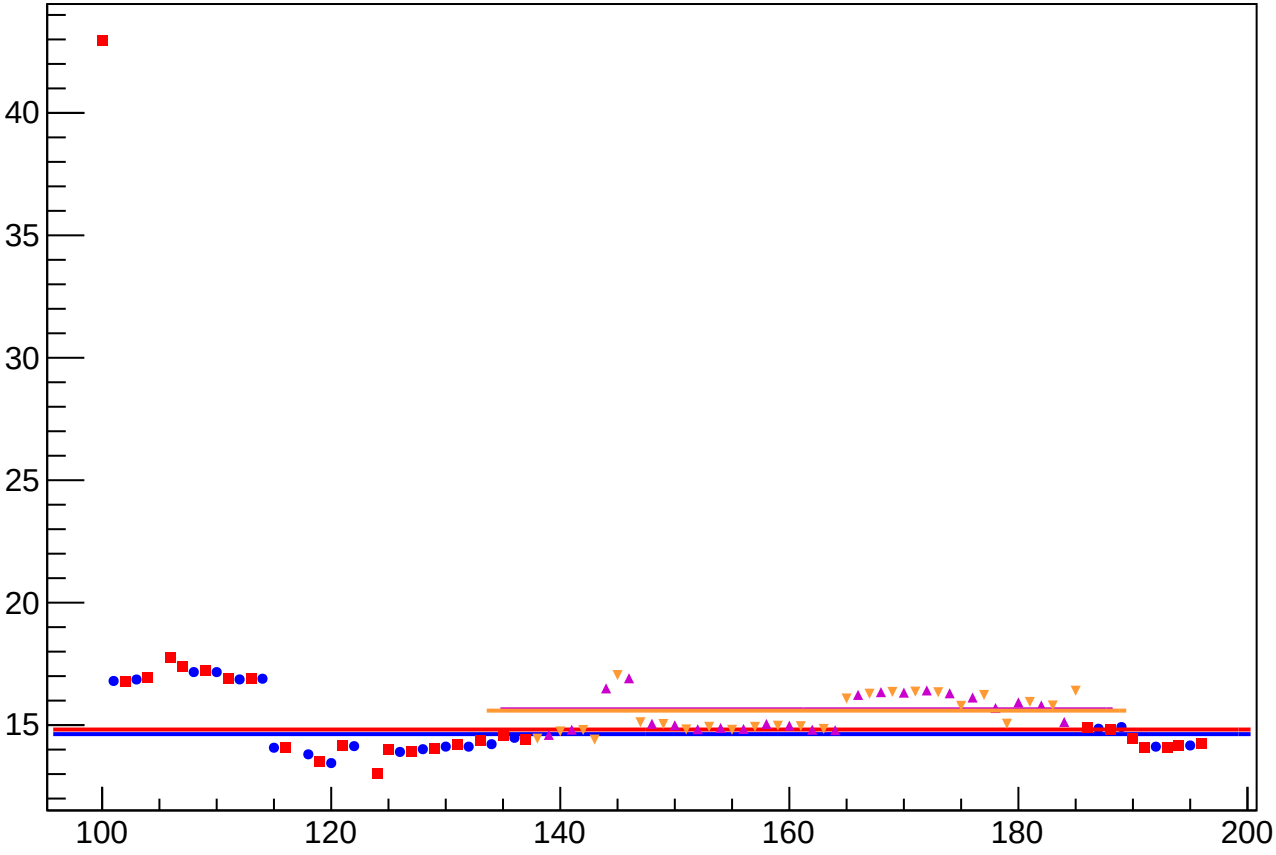
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.064+/-0.000 χ^2/NDF: 6049401.3/44

All: 0.063+/-0.000 χ^2/NDF: 16380705.6/93

- sign 0.061+/-0.000 χ^2/NDF: 10293092.7/48

yield_sam4_mean vs Slug



Right In: 14.631+/-0.000 χ^2/NDF: 1204447340.1/19

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.819+/-0.000 χ^2/NDF: 1758445179.8/25

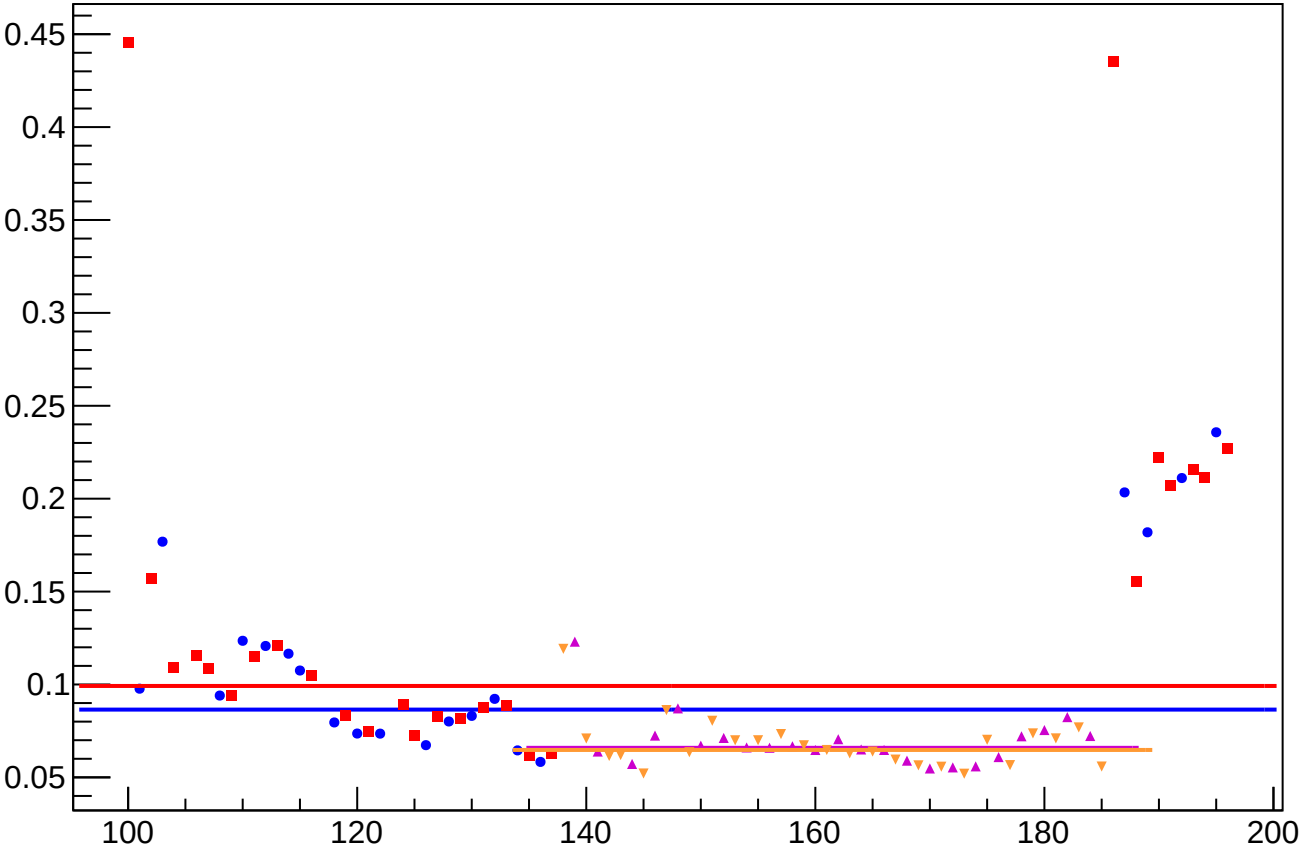
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.396+/-0.000 χ^2/NDF: 4192808245.5/44

All: 15.434+/-0.000 χ^2/NDF: 8324942739.6/9

- sign 15.475+/-0.000 χ^2/NDF: 4117536476.5/48

yield_sam4_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 2754348.8/19

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.099+/-0.000 χ^2/NDF: 3542155.4/25

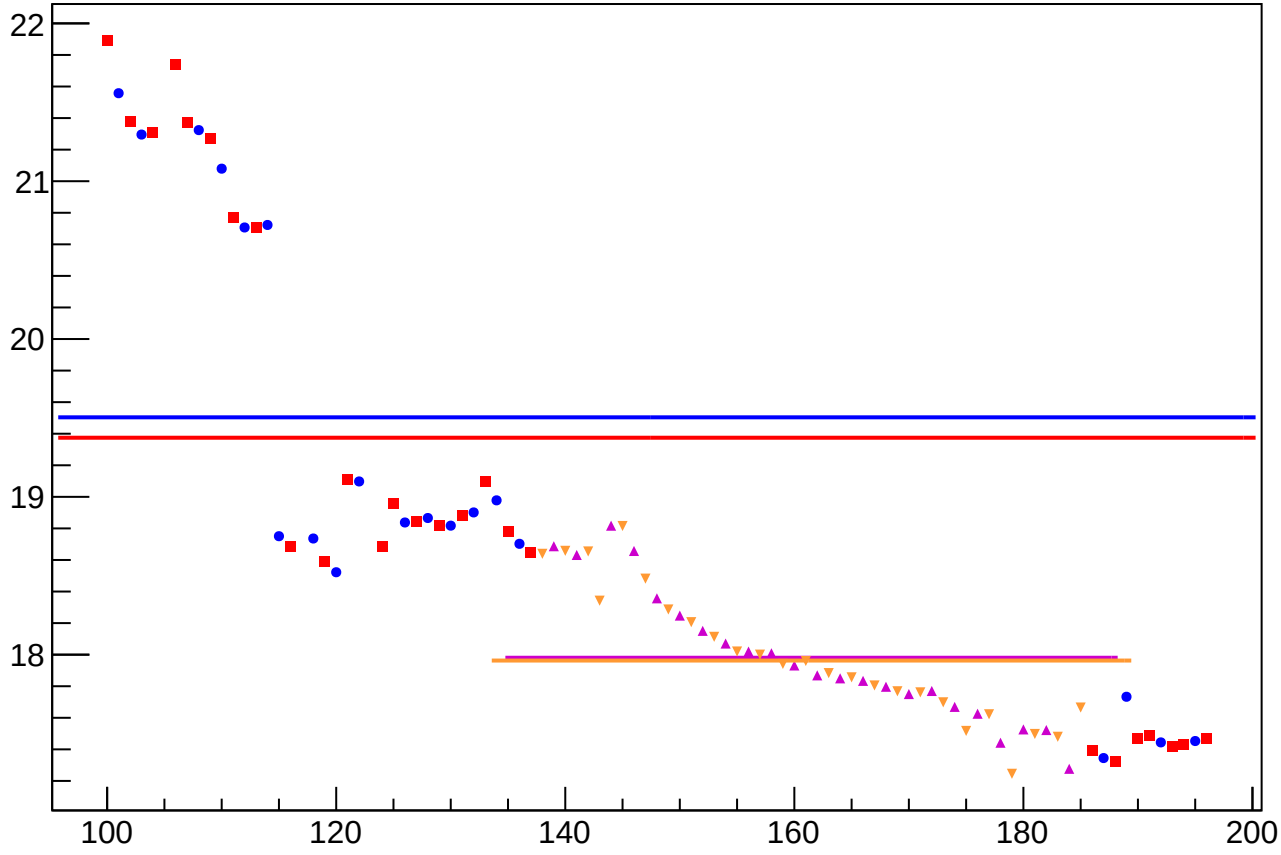
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.069+/-0.000 χ^2/NDF: 4358410.3/44

All: 0.071+/-0.000 χ^2/NDF: 10379175.3/93

- sign 0.073+/-0.000 χ^2/NDF: 5960890.2/48

yield_sam5_mean vs Slug



Right In: 19.504+/-0.000 χ^2/NDF: 19028145804.9/19

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.375+/-0.000 χ^2/NDF: 24766713770.8/25

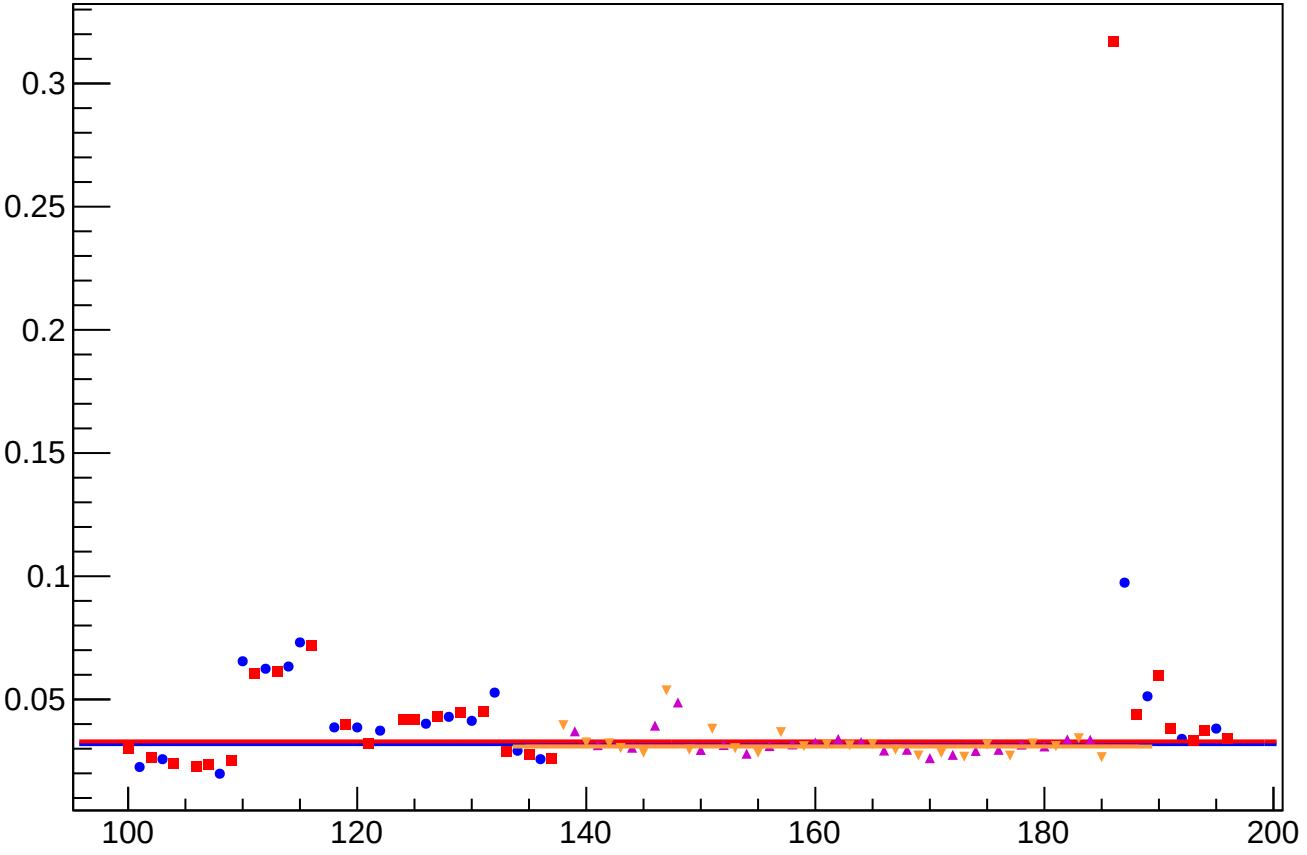
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.420+/-0.000 χ^2/NDF: 35589589422.6/44

All: 18.437+/-0.000 χ^2/NDF: 74890250681.2

- 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: 1835894.5/19

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2152894.1/25

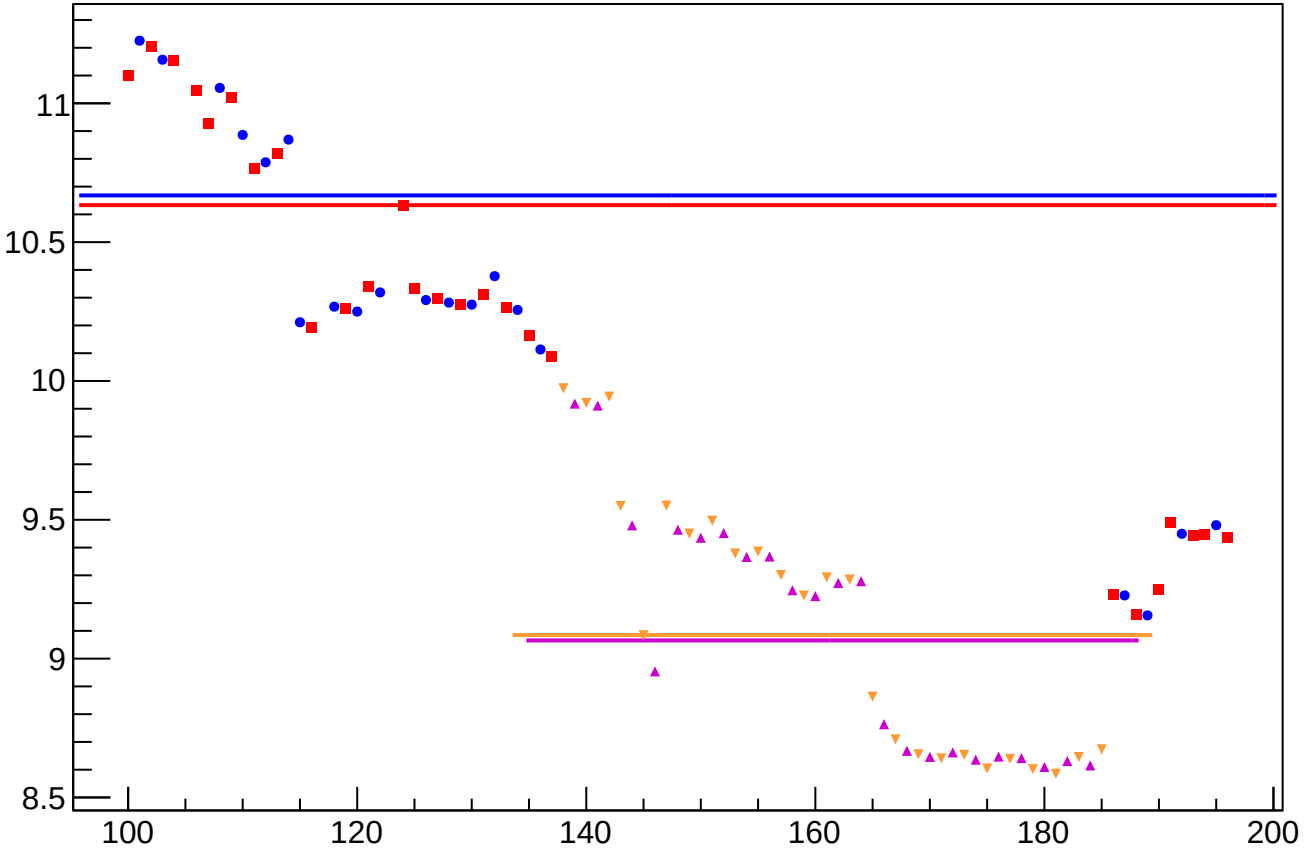
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2480222.4/44

All: 0.031+/-0.000 χ^2/NDF: 5165335.0/93

- sign 0.032+/-0.000 χ^2/NDF: 2676086.1/48

yield_sam6_mean vs Slug



Right In: 10.668+/-0.000 χ^2/NDF: 8350217855.7/19

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.633+/-0.000 χ^2/NDF: 8651915311.5/25

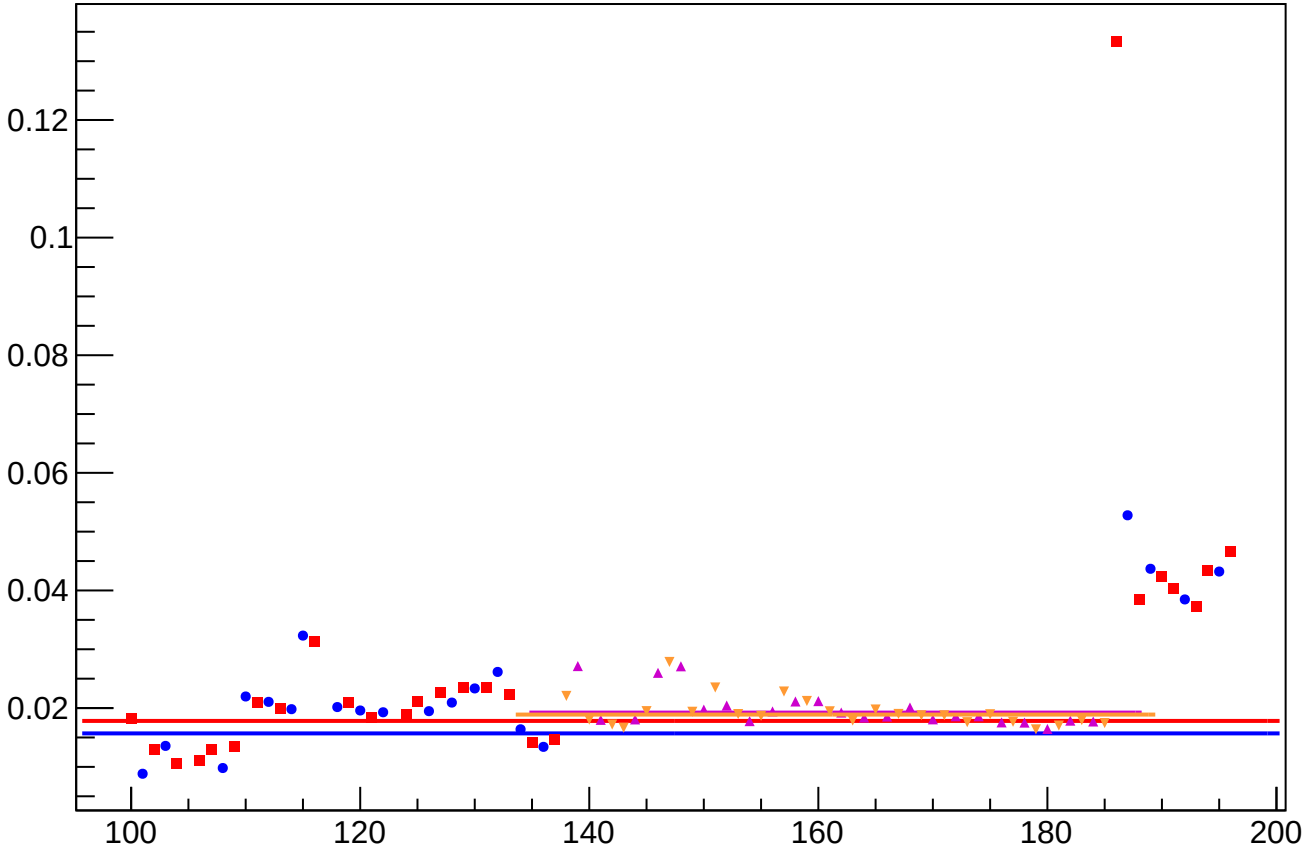
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.672+/-0.000 χ^2/NDF: 64371014021.6/44

All: 9.670+/-0.000 χ^2/NDF: 123340372262.8

- 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: 3537662.4/19

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4483798.5/25

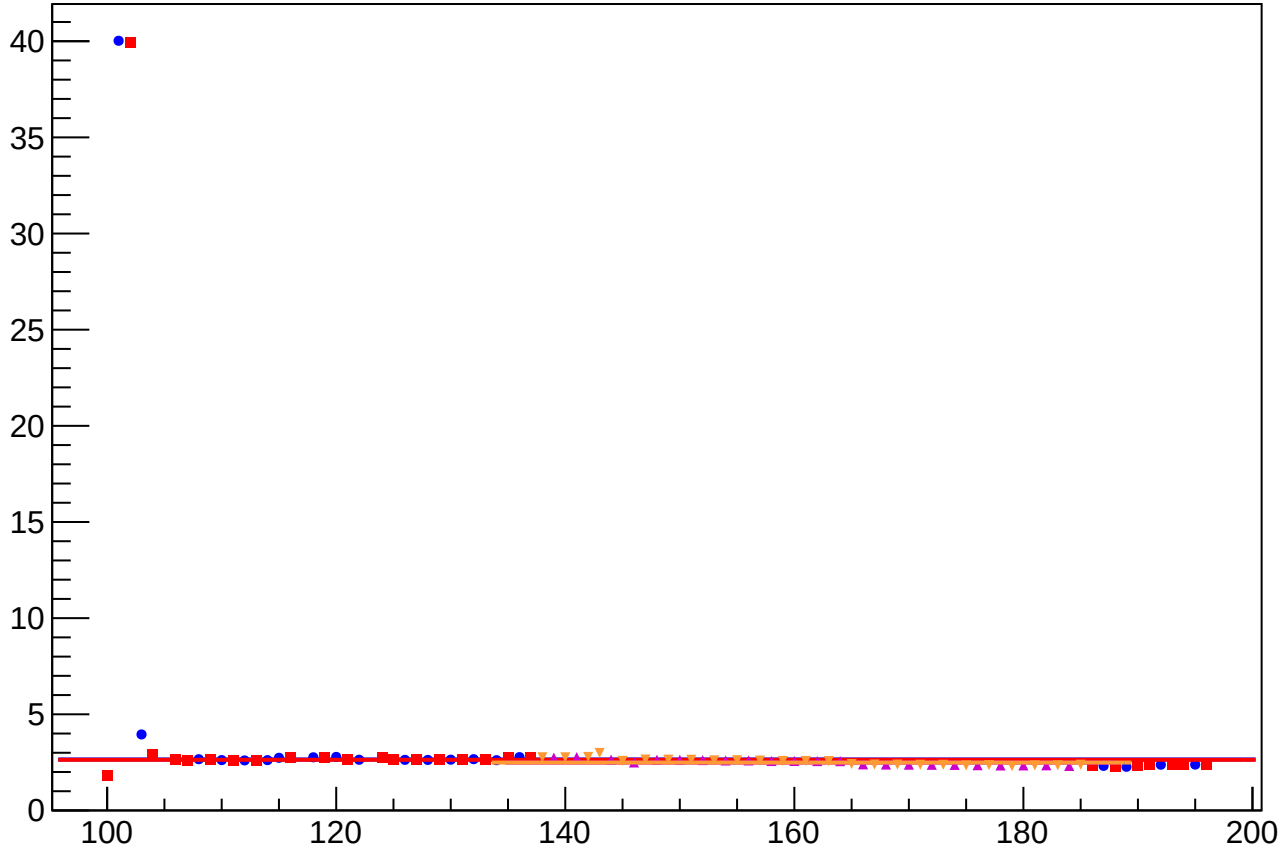
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 4353514.1/44

All: 0.018+/-0.000 χ^2/NDF: 9519624.5/93

- sign 0.019+/-0.000 χ^2/NDF: 5093656.8/48

yield_sam7_mean vs Slug



Right In: 2.652+/-0.000 χ^2/NDF: 73522402747.6/19

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.634+/-0.000 χ^2/NDF: 75162253902.2/25

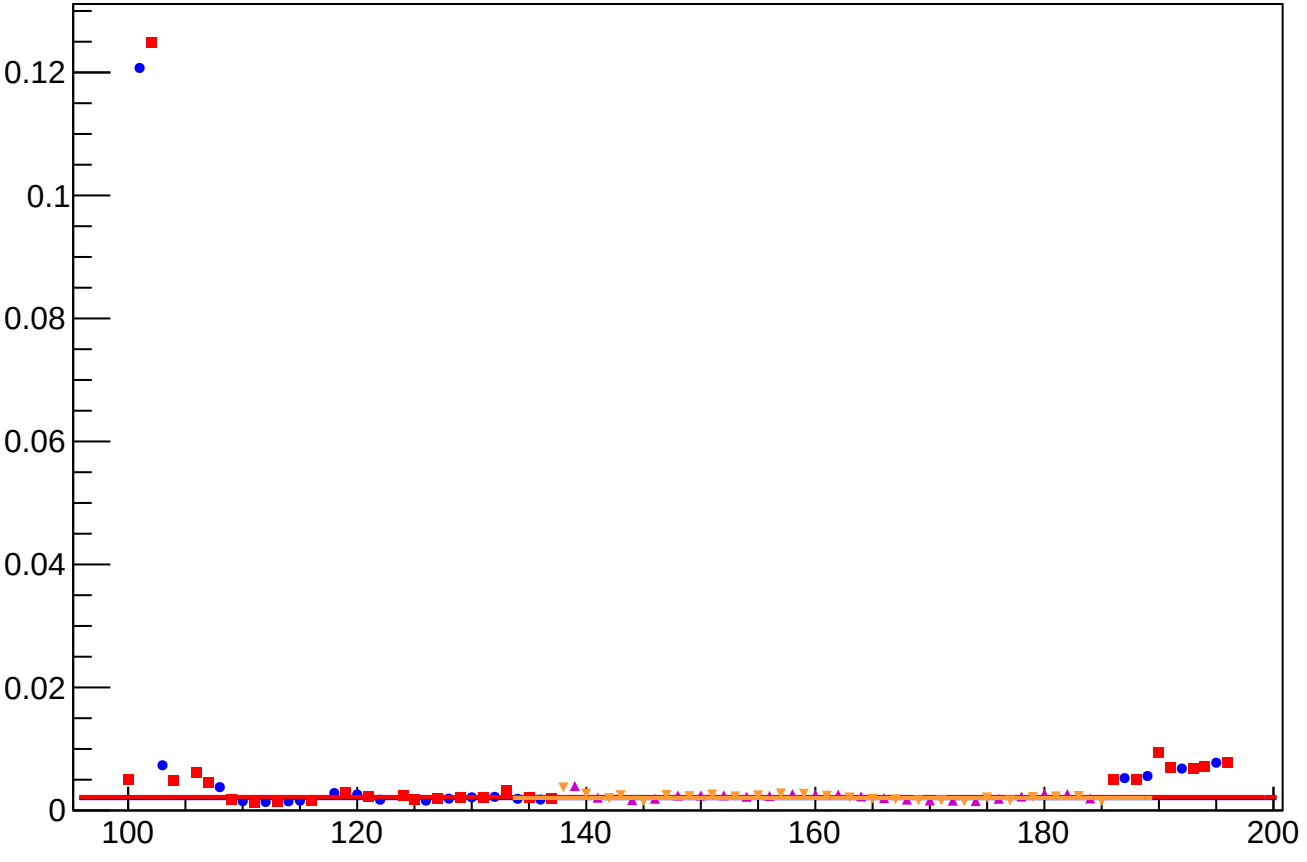
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.537+/-0.000 χ^2/NDF: 193506535946.5/44

All: 2.535+/-0.000 χ^2/NDF: 352101824738.2

- 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: 4338353.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6568754.3/25

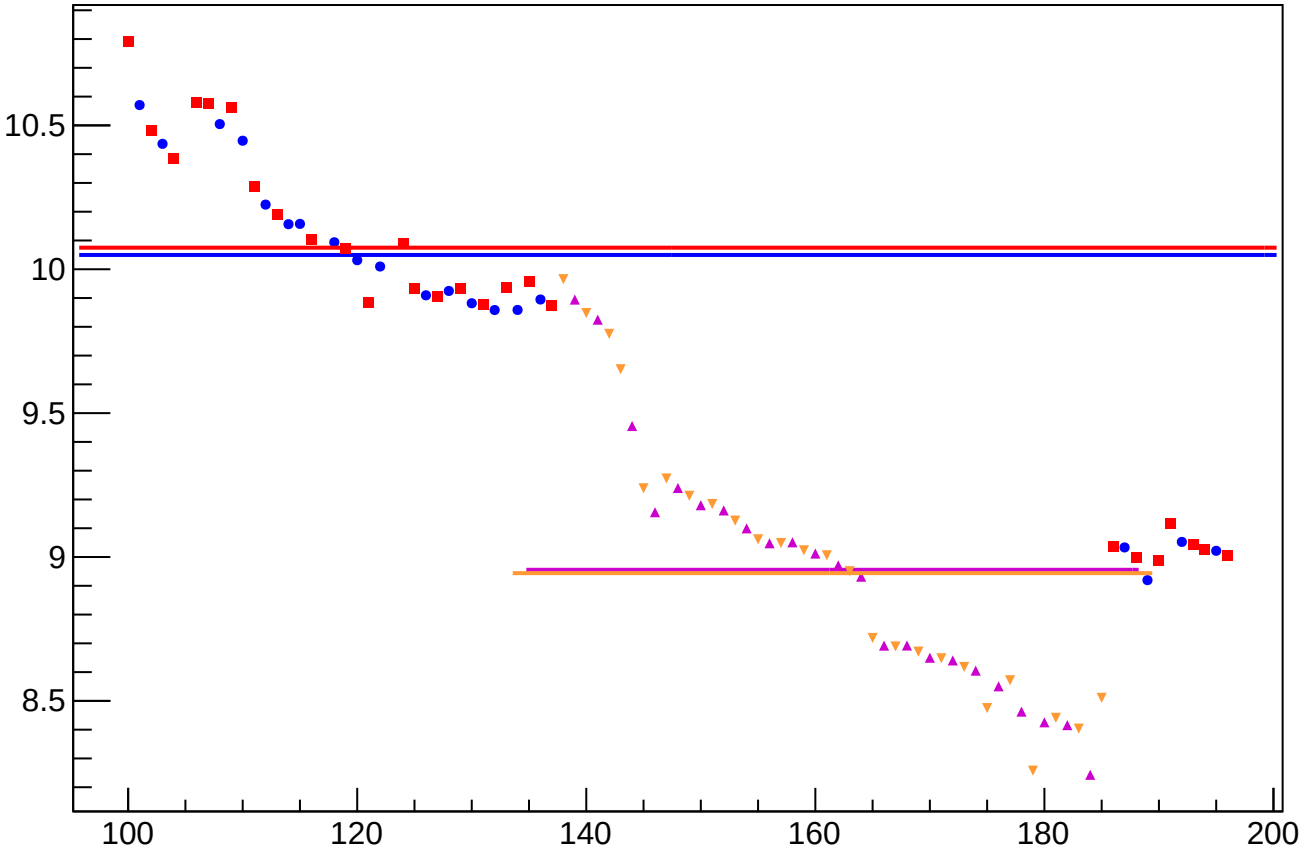
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 5897083.0/44

All: 0.002+/-0.000 χ^2/NDF: 13954788.1/93

- sign 0.002+/-0.000 χ^2/NDF: 8012791.7/48

yield_sam8_mean vs Slug



Right In: 10.050+/-0.000 χ^2/NDF: 20911844163.9/19

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.075+/-0.000 χ^2/NDF: 30544704055.0/25

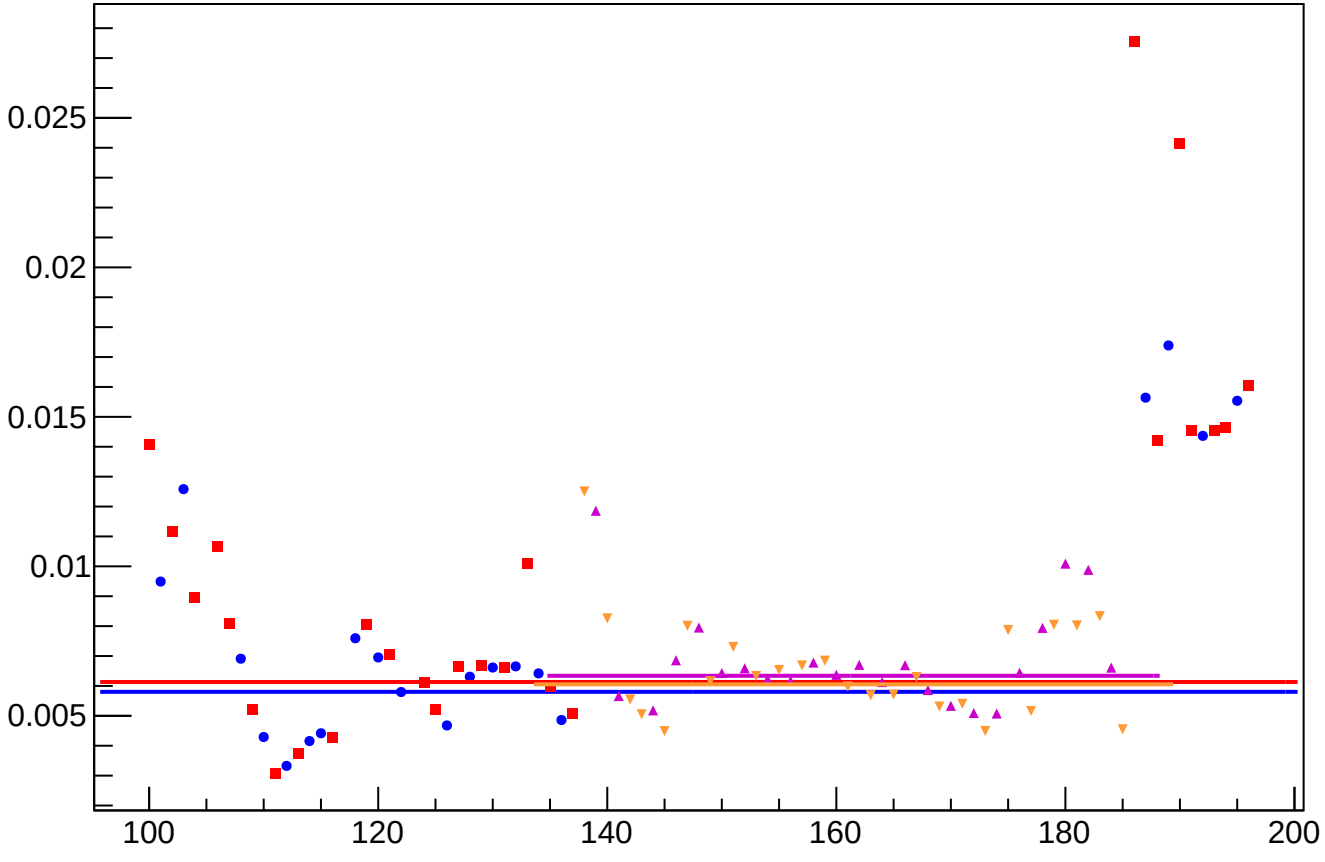
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.307+/-0.000 χ^2/NDF: 254210590839.0/44

All: 9.339+/-0.000 χ^2/NDF: 506436137921.2

- 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: 3305055.5/19

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5405119.8/25

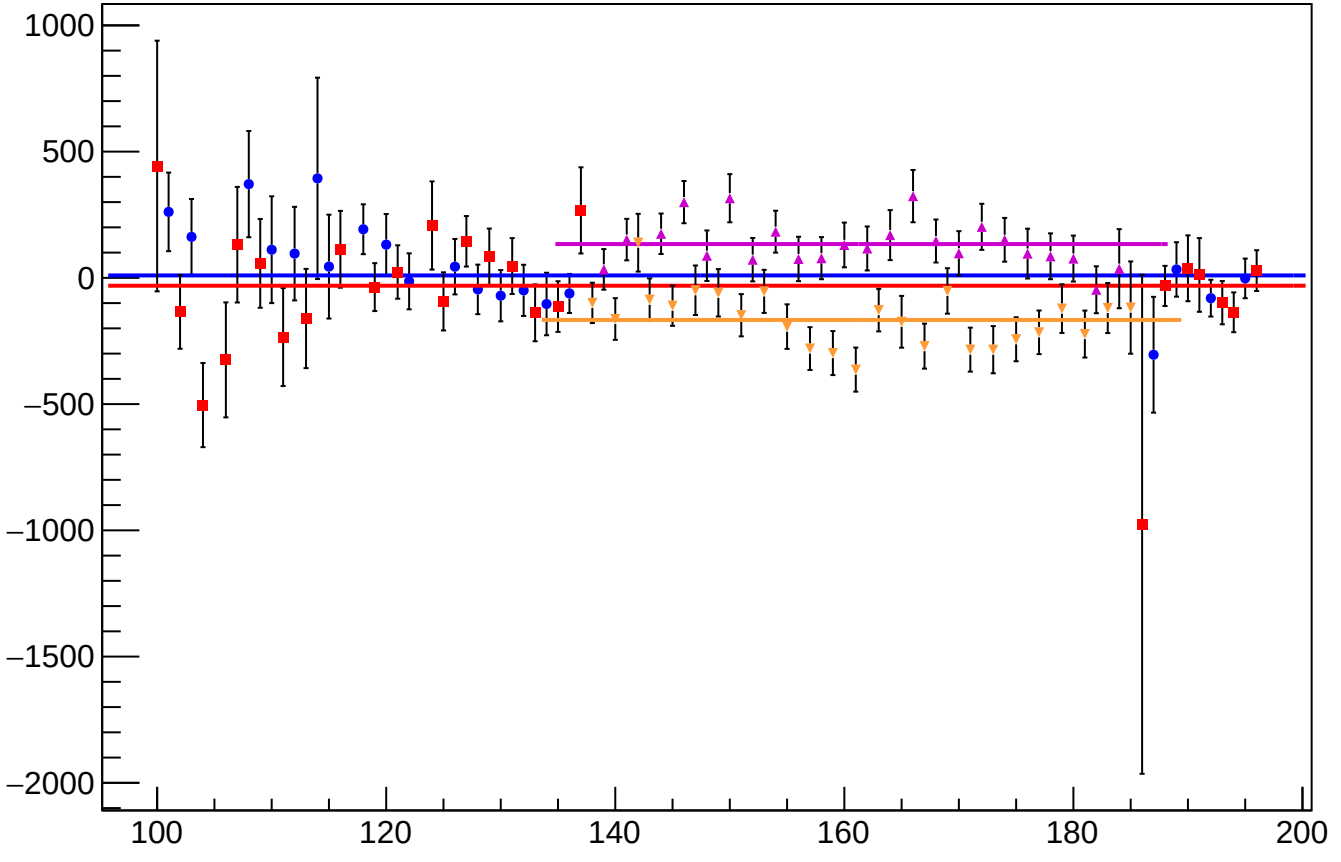
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 4783419.7/44

All: 0.006+/-0.000 χ^2/NDF: 11426154.4/93

- sign 0.006+/-0.000 χ^2/NDF: 6592013.8/48

reg_asym_sam1_mean vs Slug



Right In: 9.620+/-25.727 χ^2/NDF: 19.0/19

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -31.124+/-23.888 χ^2/NDF: 30.3/25

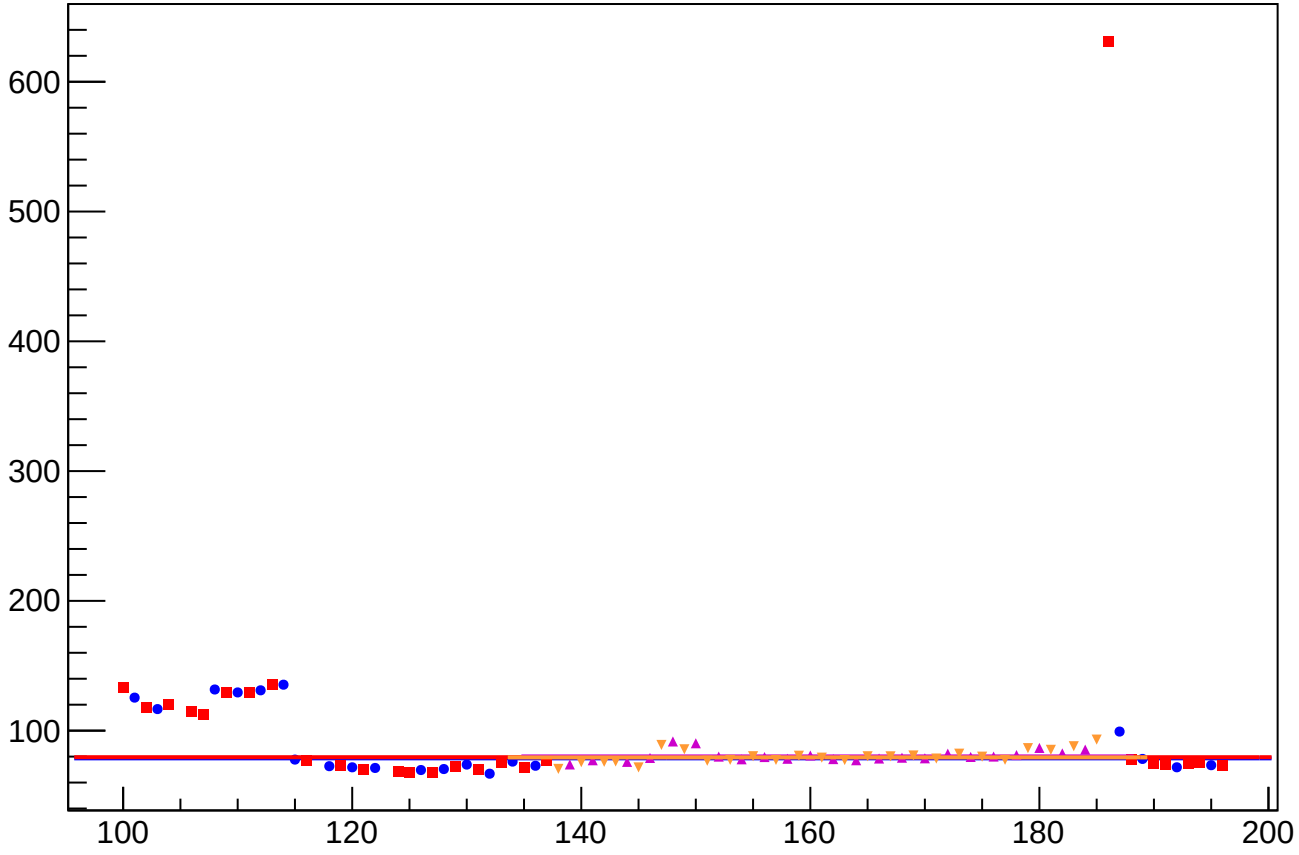
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -108.397+/-14.792 χ^2/NDF: 82.1/44

All: -18.492+/-10.445 χ^2/NDF: 236.3/93

- sign 70.930+/-14.752 χ^2/NDF: 80.5/48

reg_asym_sam1_rms vs Slug



Right In: 78.650+/-0.018 χ^2/NDF: 889268.9/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 79.544+/-0.017 χ^2/NDF: 1598793.6/25

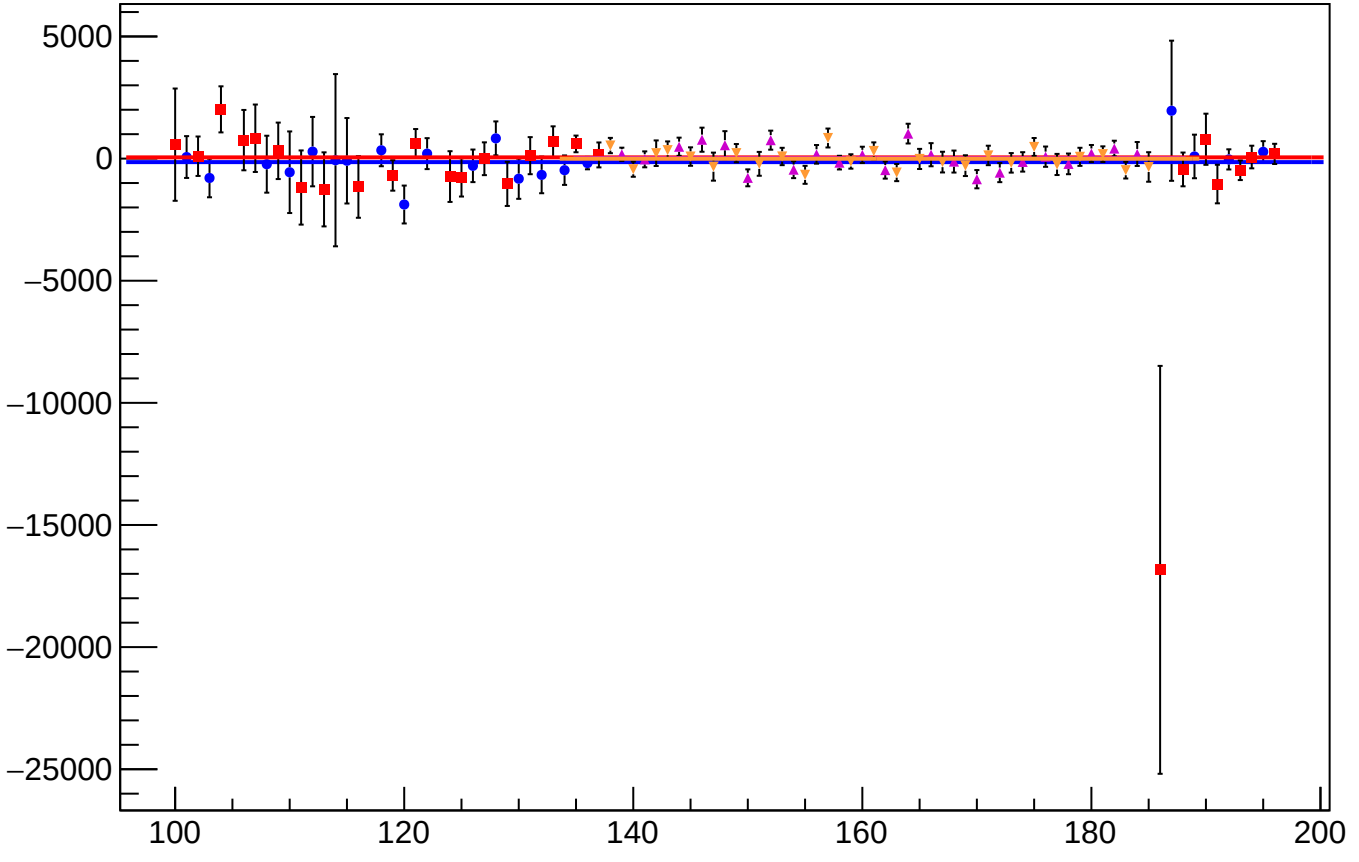
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.2/44

All: 79.543+/-0.007 χ^2/NDF: 2719008.5/93

- sign 79.925+/-0.010 χ^2/NDF: 1691087.0/48

asym_sam1_reg_correction_mean vs Slug



Right In: -144.053+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 50.143+/-133.943 χ^2/NDF: 25.4/25

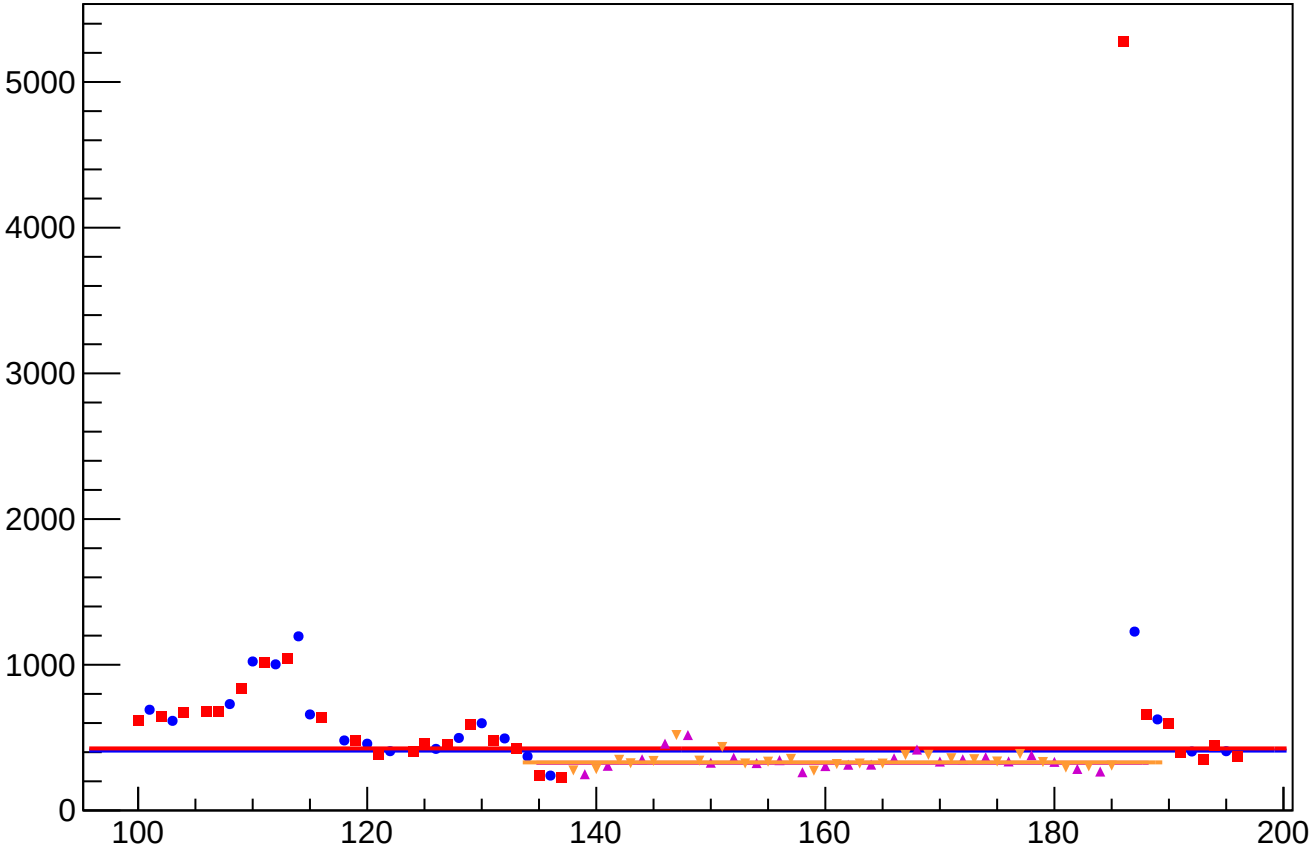
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -34.776+/-66.885 χ^2/NDF: 36.7/44

All: -3.970+/-47.373 χ^2/NDF: 97.6/93

\- sign 27.041+/-67.107 χ^2/NDF: 60.5/48

asym_sam1_reg_correction_rms vs Slug



Right In: 410.941+/-0.100 χ^2/NDF: 2643034.9/19

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 425.776+/-0.095 χ^2/NDF: 3437502.6/25

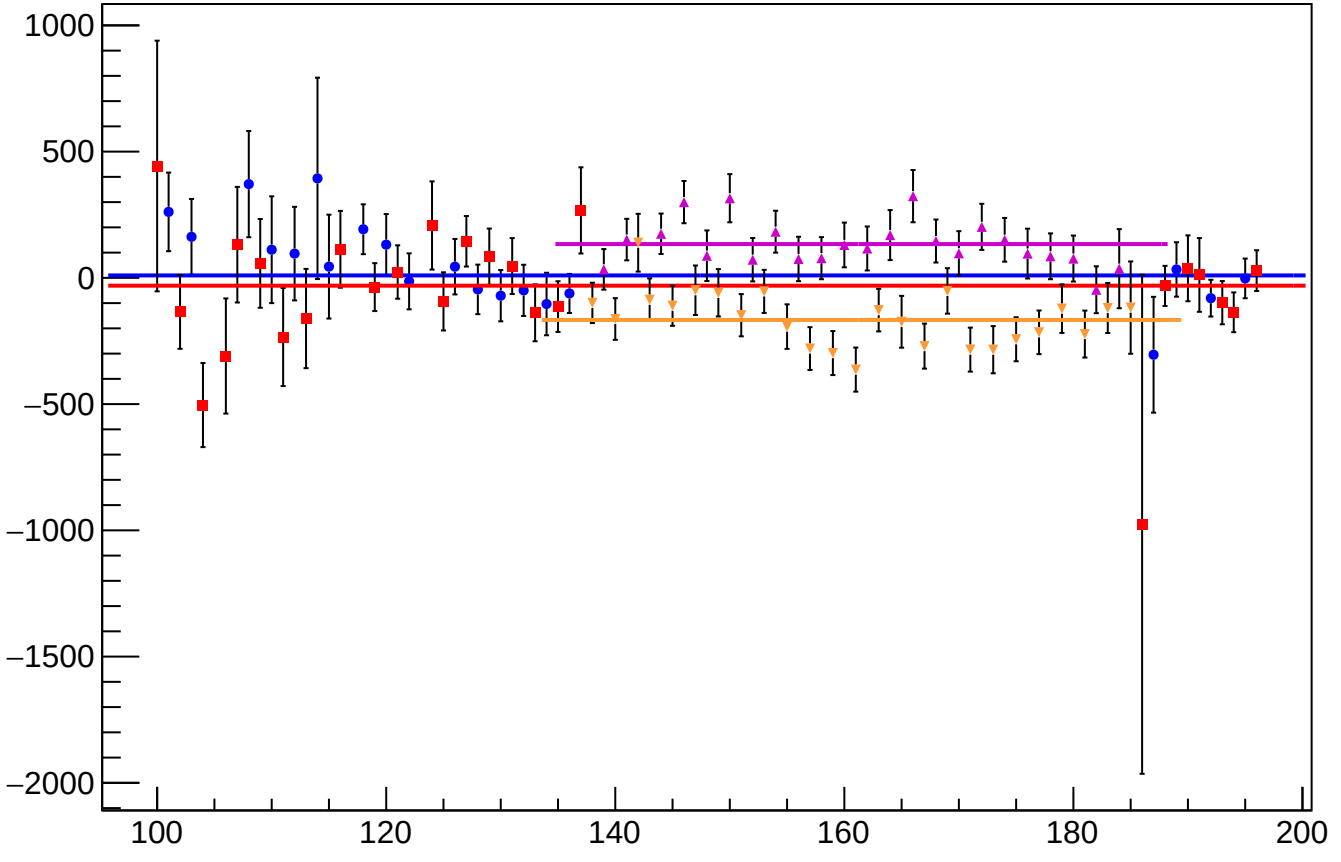
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 347.998+/-0.047 χ^2/NDF: 3809631.4/44

All: 349.876+/-0.033 χ^2/NDF: 8964883.5/93

- sign 351.766+/-0.047 χ^2/NDF: 5152087.8/48

cor_asym_sam1_mean vs Slug



Right In: 9.627+/-25.727 χ^2/NDF: 19.1/19

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.948+/-23.889 χ^2/NDF: 30.1/25

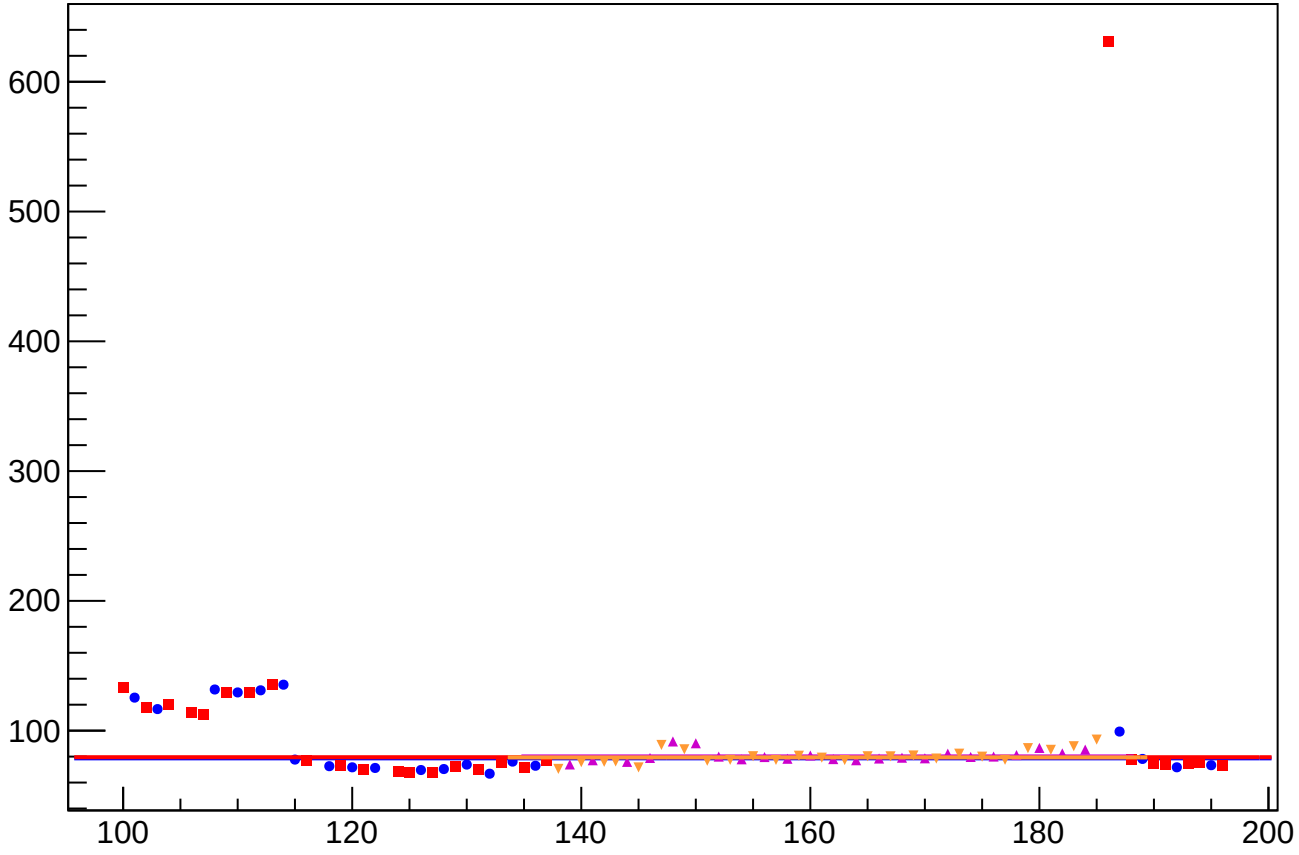
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -108.394+/-14.792 χ^2/NDF: 82.1/44

All: -18.455+/-10.445 χ^2/NDF: 236.2/93

- sign 71.003+/-14.752 χ^2/NDF: 80.3/48

cor_asym_sam1_rms vs Slug



Right In: 78.650+/-0.018 χ^2/NDF: 889269.1/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

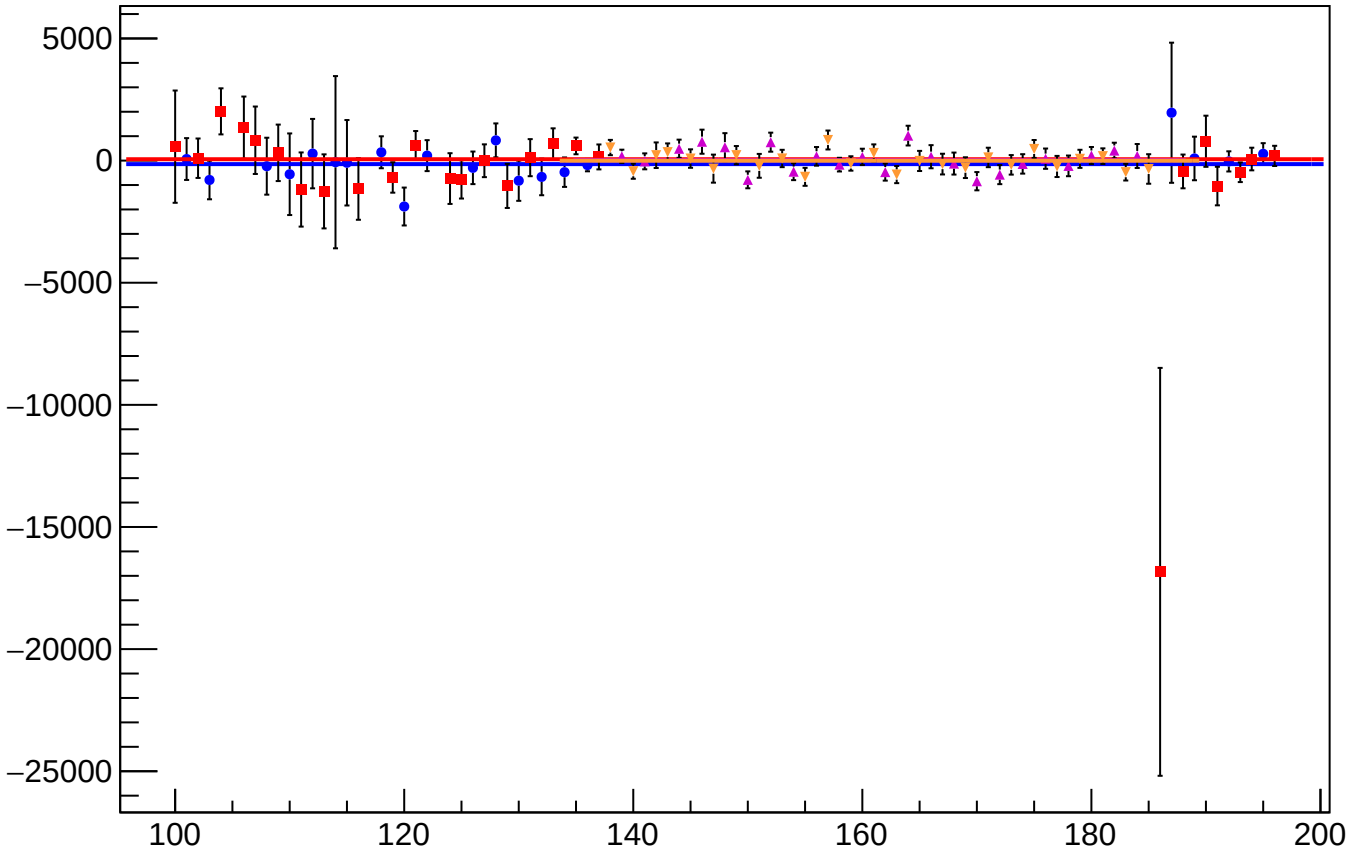
Right Out: 79.535+/-0.017 χ^2/NDF: 1596769.1/25

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.4/44

All: 79.541+/-0.007 χ^2/NDF: 2716984.4/93

- sign 79.922+/-0.010 χ^2/NDF: 1689086.7/48



Right In: -144.051+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 56.195+/-133.990 χ^2/NDF: 26.2/25

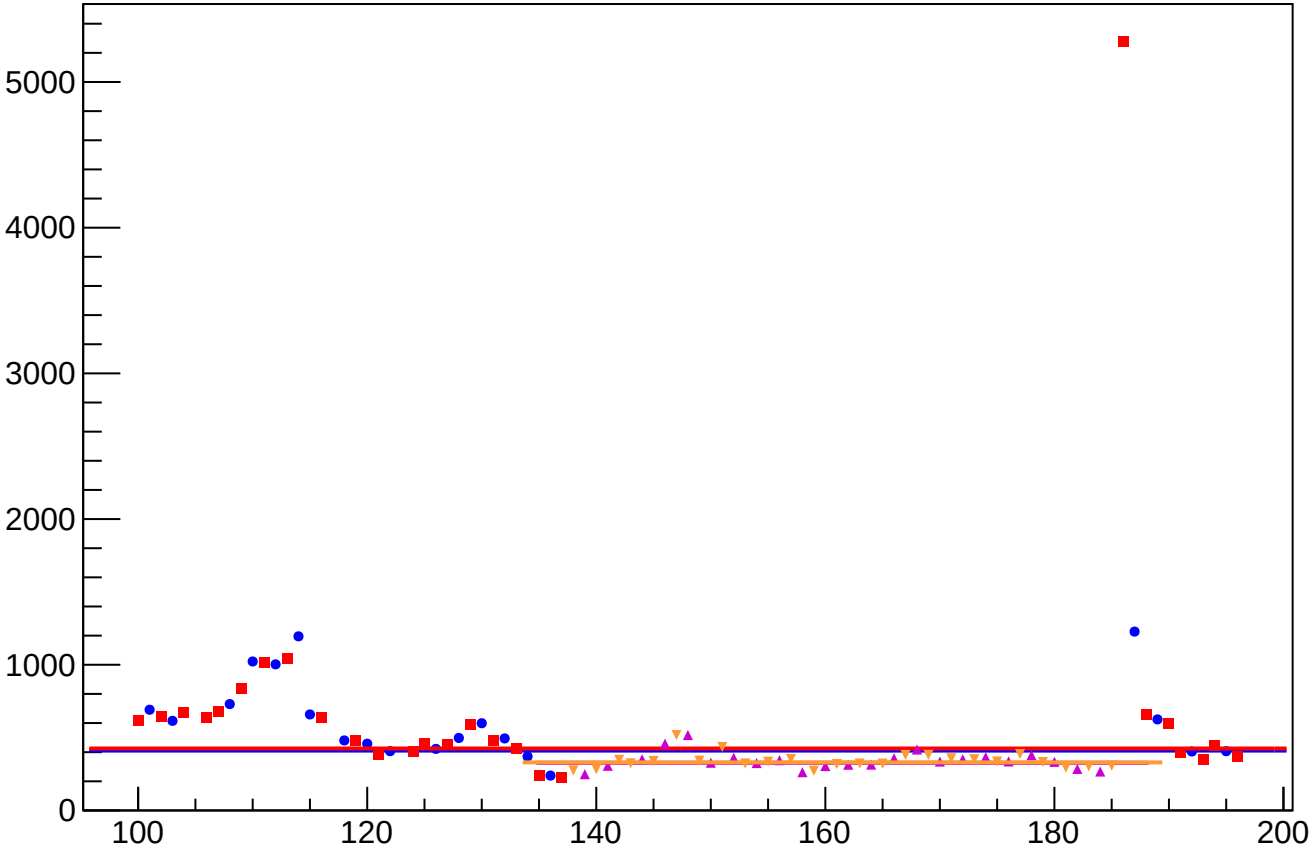
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -34.776+/-66.886 χ^2/NDF: 36.7/44

All: -3.215+/-47.375 χ^2/NDF: 98.3/93

- sign 28.560+/-67.113 χ^2/NDF: 61.2/48

asym_sam1_cor_correction_rms vs Slug



Right In: 410.941+/-0.100 χ^2/NDF: 2643029.4/19

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 425.164+/-0.095 χ^2/NDF: 3409734.8/25

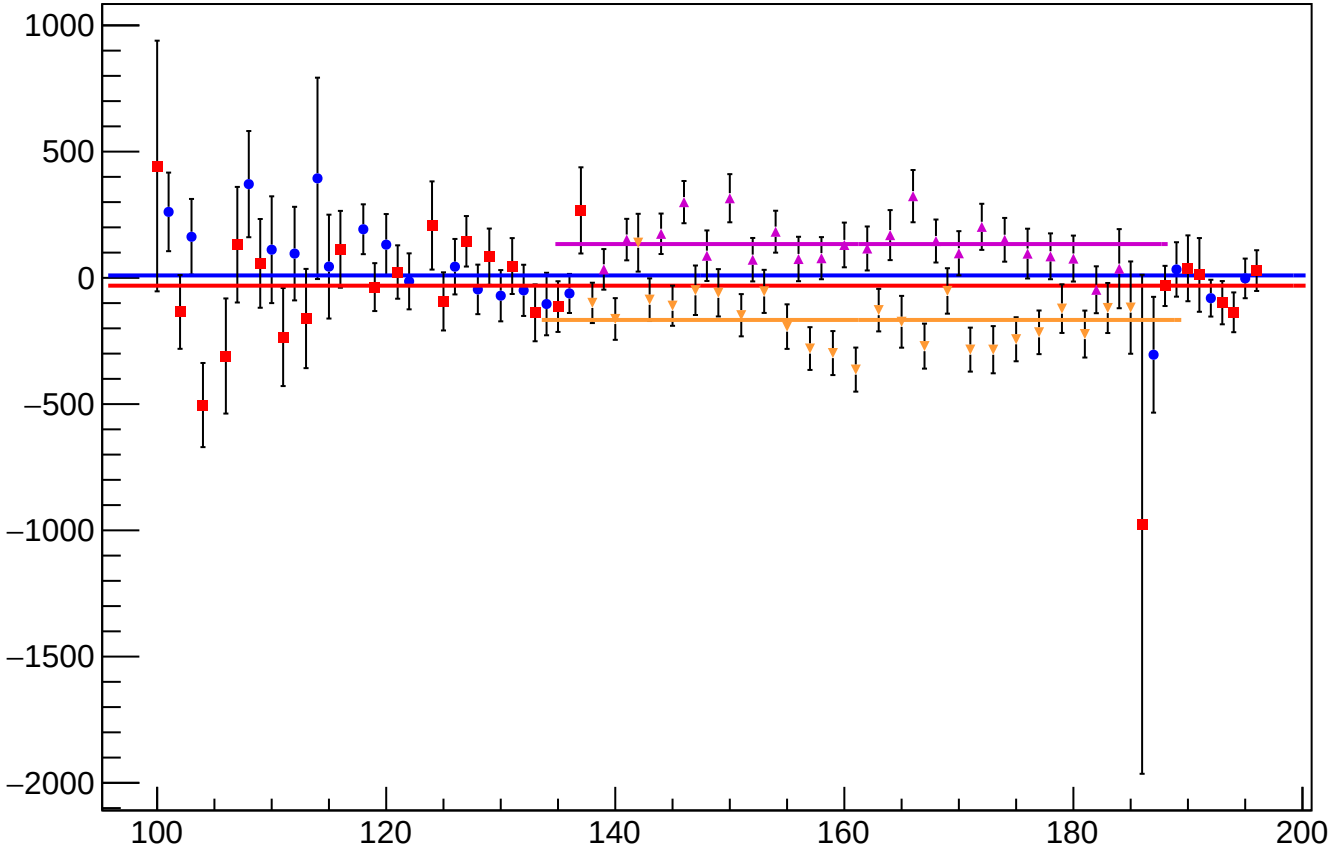
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 347.998+/-0.047 χ^2/NDF: 3809637.1/44

All: 349.793+/-0.033 χ^2/NDF: 8926342.4/93

- sign 351.600+/-0.047 χ^2/NDF: 5113815.4/48

eigen_cor_asym_sam1_mean vs Slug



Right In: 9.627+/-25.727 χ^2/NDF: 19.1/19

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.948+/-23.889 χ^2/NDF: 30.1/25

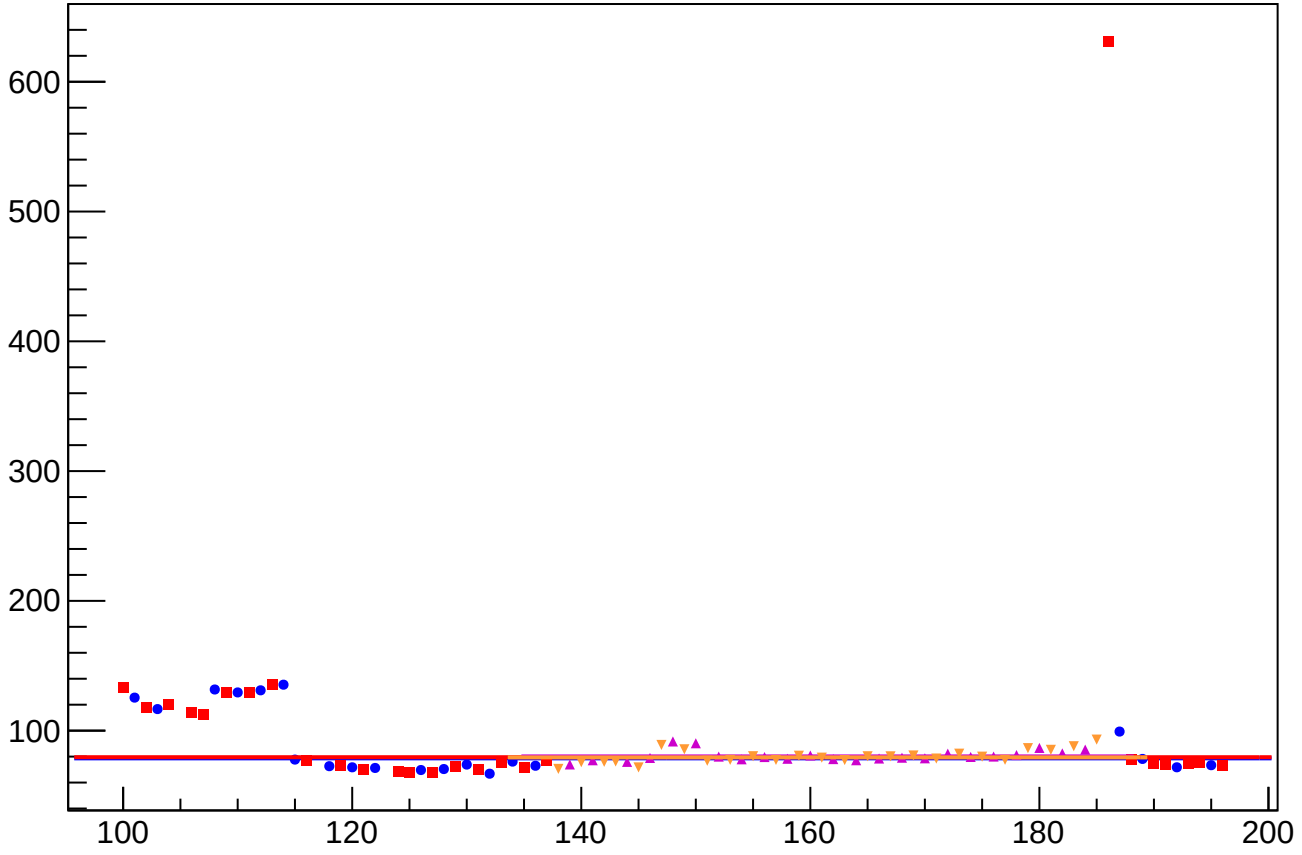
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -108.394+/-14.792 χ^2/NDF: 82.1/44

All: -18.455+/-10.445 χ^2/NDF: 236.2/93

- sign 71.003+/-14.752 χ^2/NDF: 80.3/48

eigen_cor_asym_sam1_rms vs Slug



Right In: 78.650+/-0.018 χ^2/NDF: 889269.1/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

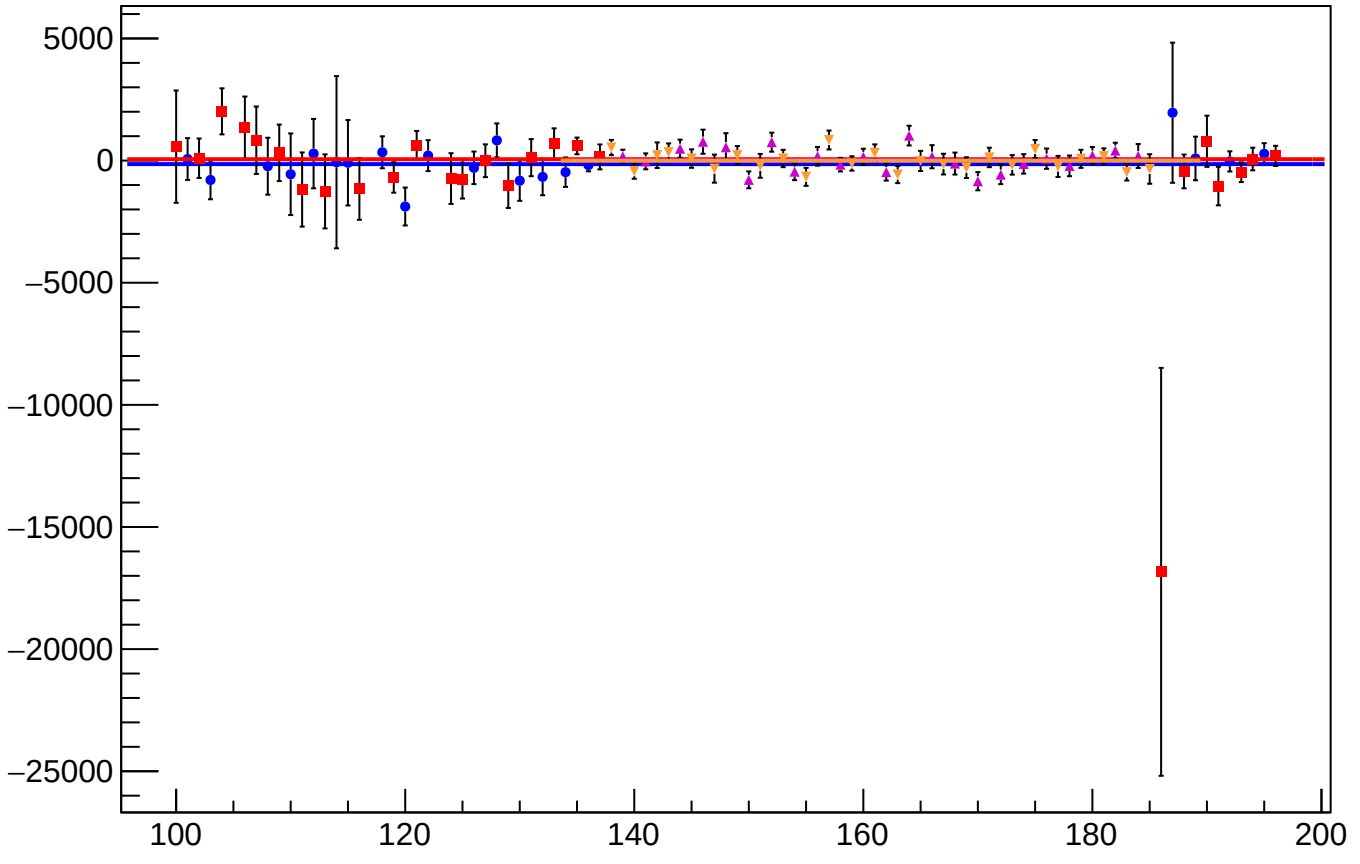
Right Out: 79.535+/-0.017 χ^2/NDF: 1596769.1/25

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.4/44

All: 79.541+/-0.007 χ^2/NDF: 2716984.4/93

- sign 79.922+/-0.010 χ^2/NDF: 1689086.7/48



Right In: -144.051+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 56.195+/-133.990 χ^2/NDF: 26.2/25

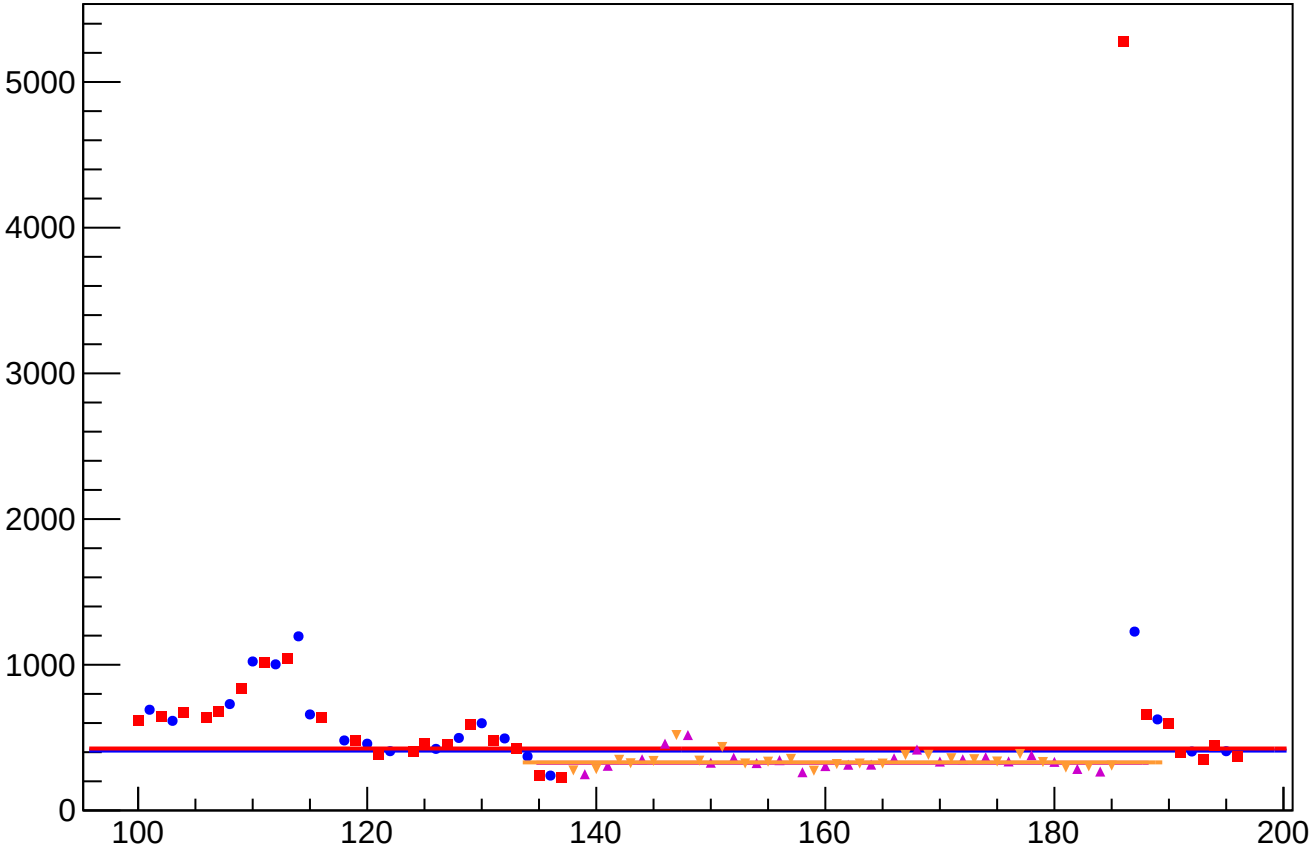
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -34.776+/-66.886 χ^2/NDF: 36.7/44

All: -3.215+/-47.375 χ^2/NDF: 98.3/93

- sign 28.560+/-67.113 χ^2/NDF: 61.2/48

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 410.941+/-0.100 χ^2/NDF: 2643029.4/19

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 425.164+/-0.095 χ^2/NDF: 3409734.8/25

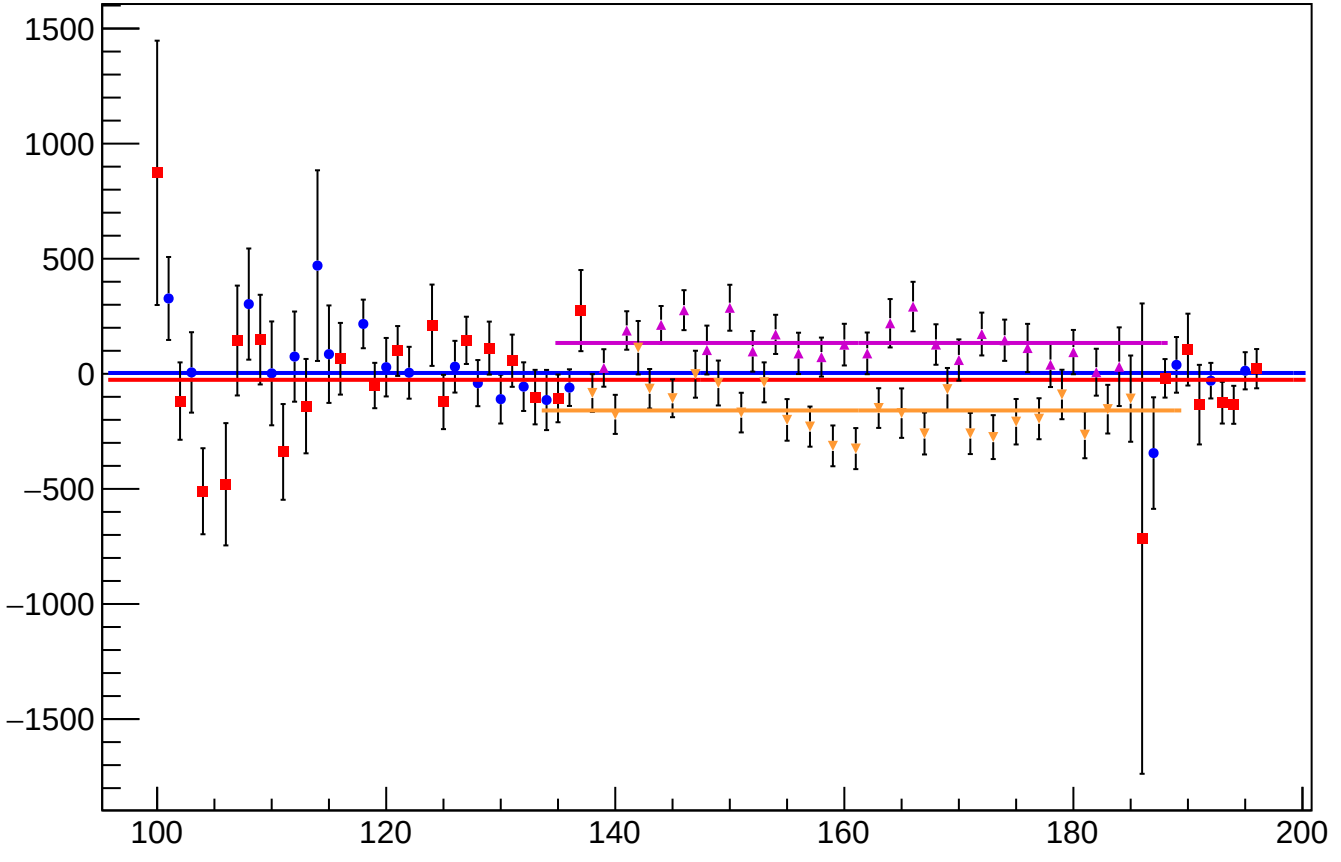
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 347.998+/-0.047 χ^2/NDF: 3809637.1/44

All: 349.793+/-0.033 χ^2/NDF: 8926342.4/93

- sign 351.600+/-0.047 χ^2/NDF: 5113815.4/48

dit_asym_sam1_mean vs Slug



Right In: 3.657+/-27.069 χ^2/NDF: 15.9/19

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -26.156+/-25.203 χ^2/NDF: 34.0/25

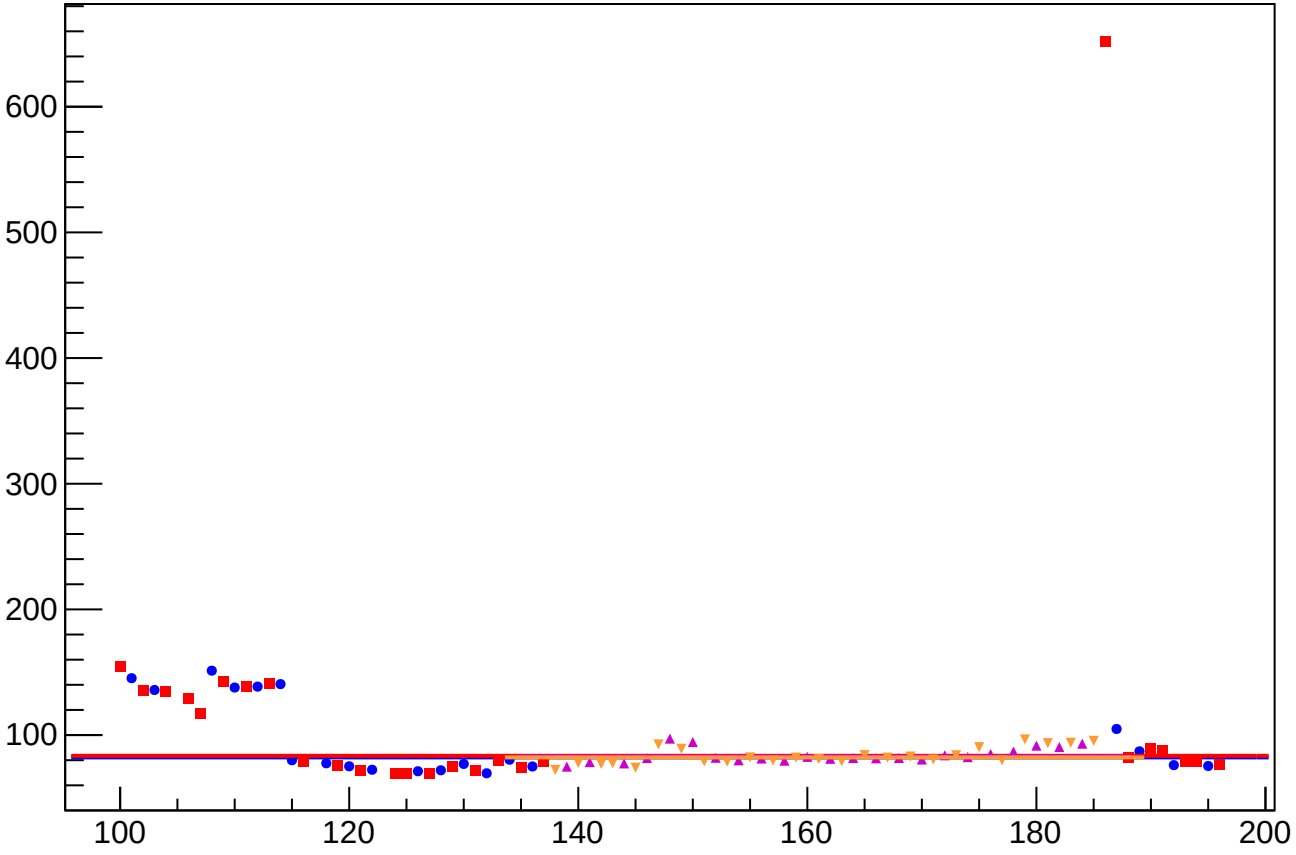
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -106.415+/-15.413 χ^2/NDF: 68.6/44

All: -15.961+/-10.892 χ^2/NDF: 213.1/93

- sign 74.260+/-15.393 χ^2/NDF: 75.7/48

dit_asym_sam1_rms vs Slug



Right In: 82.236+/-0.019 χ^2/NDF: 1086257.3/19

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 83.490+/-0.018 χ^2/NDF: 1770878.4/25

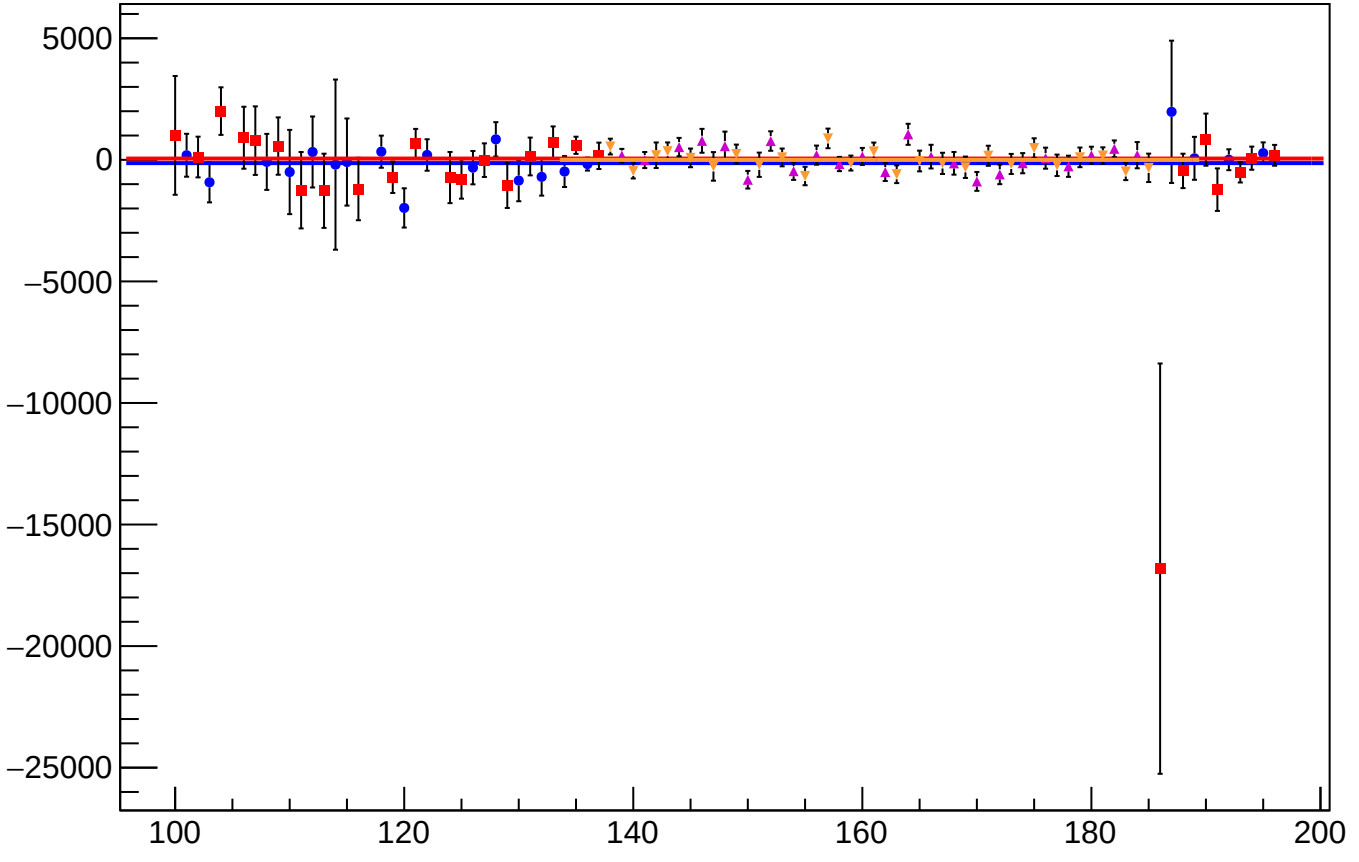
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

\+ sign 82.244+/-0.011 χ^2/NDF: 1302805.8/44

All: 82.712+/-0.008 χ^2/NDF: 3223461.6/93

\- sign 83.178+/-0.011 χ^2/NDF: 1916973.8/48

asym_sam1_dit_correction_mean vs Slug



Right In: -134.617+/-146.727 χ^2/NDF: 12.3/19

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 52.863+/-138.679 χ^2/NDF: 25.7/25

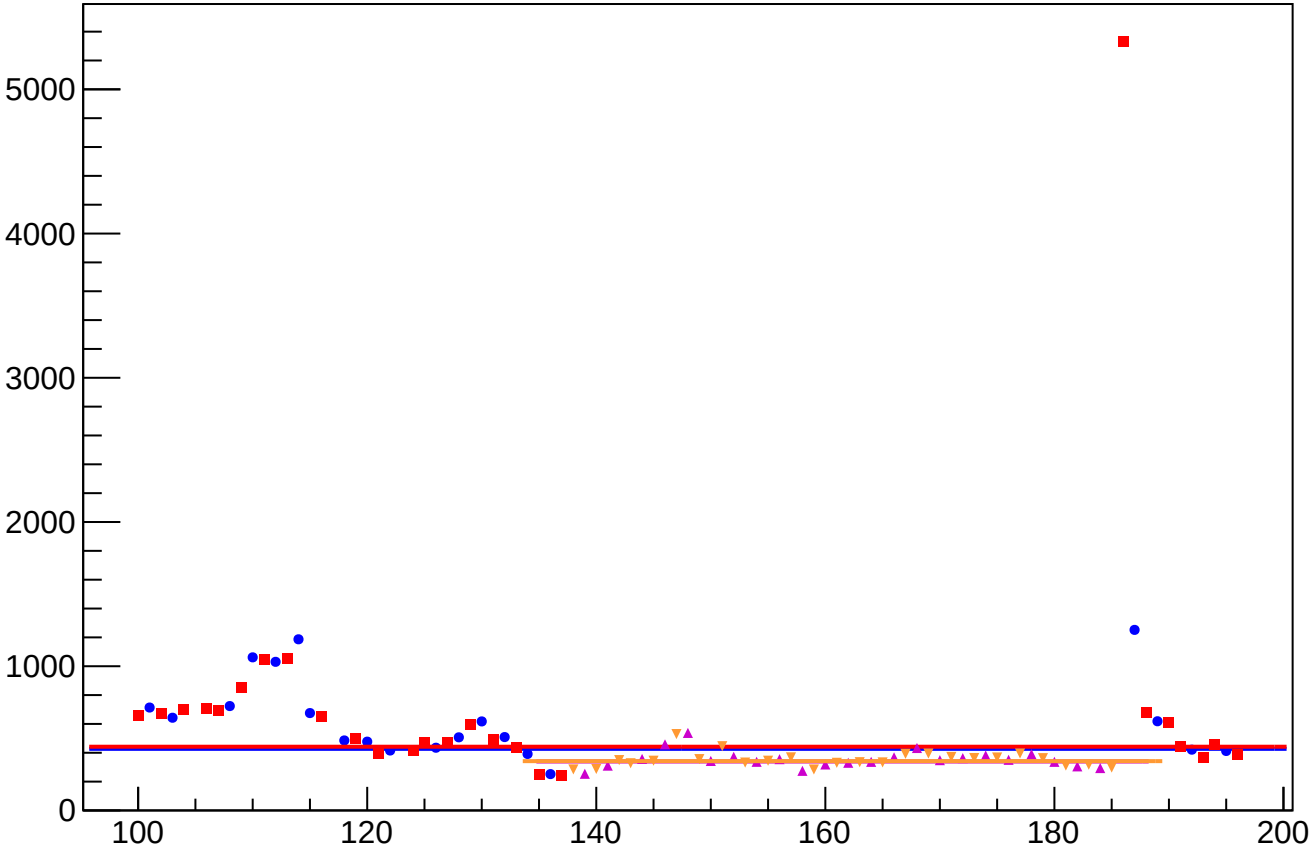
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -32.411+/-69.273 χ^2/NDF: 36.4/44

All: -3.495+/-49.085 χ^2/NDF: 97.4/93

\- sign 25.663+/-69.562 χ^2/NDF: 60.6/48

asym_sam1_dit_correction_rms vs Slug



Right In: 427.156+/-0.104 χ^2/NDF: 2513184.2/19

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 441.915+/-0.098 χ^2/NDF: 3351522.7/25

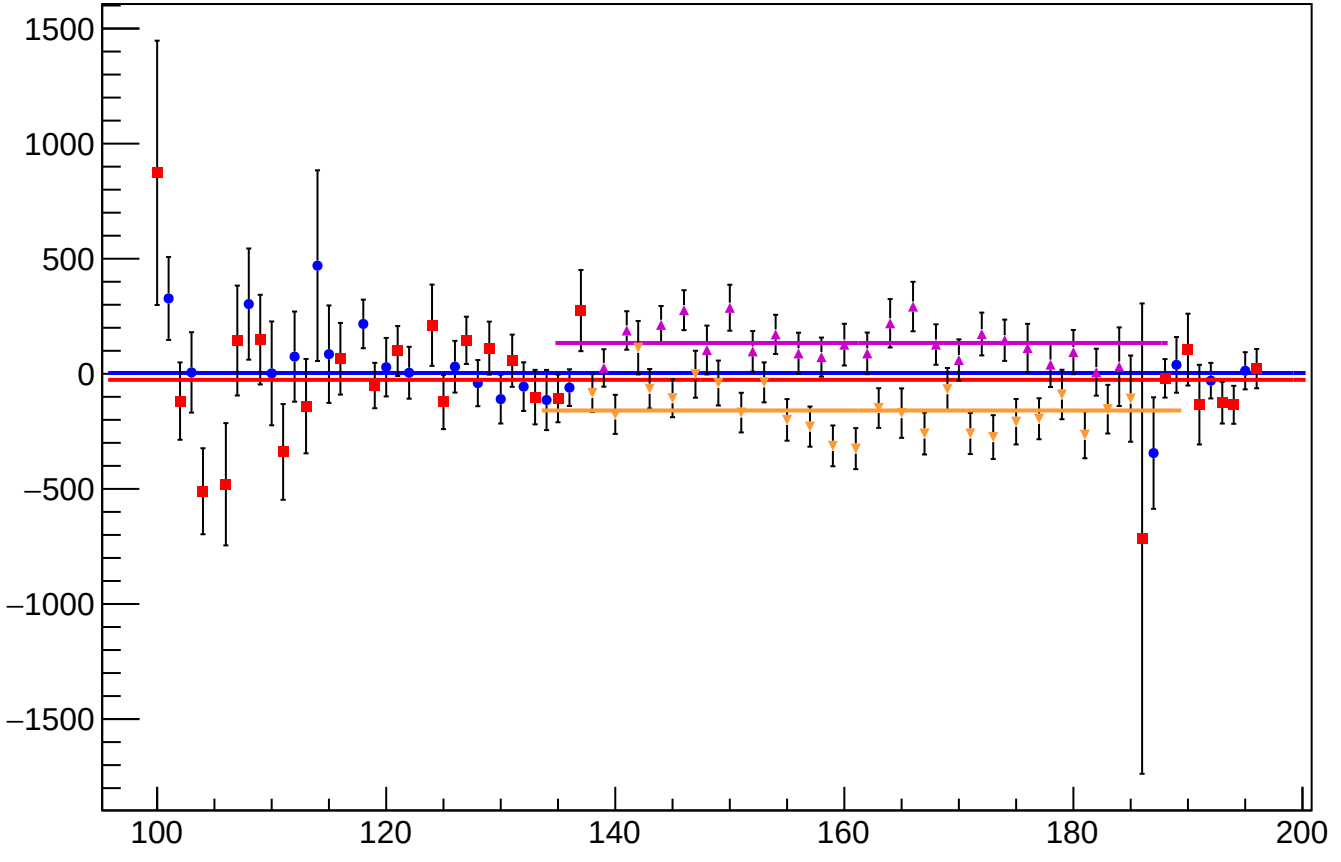
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 360.917+/-0.049 χ^2/NDF: 3691635.4/44

All: 363.057+/-0.035 χ^2/NDF: 8711155.7/93

- sign 365.216+/-0.049 χ^2/NDF: 5015685.4/48

eigen_dit_asym_sam1_mean vs Slug



Right In: 3.658+/-27.069 χ^2/NDF: 15.9/19

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -26.155+/-25.203 χ^2/NDF: 34.0/25

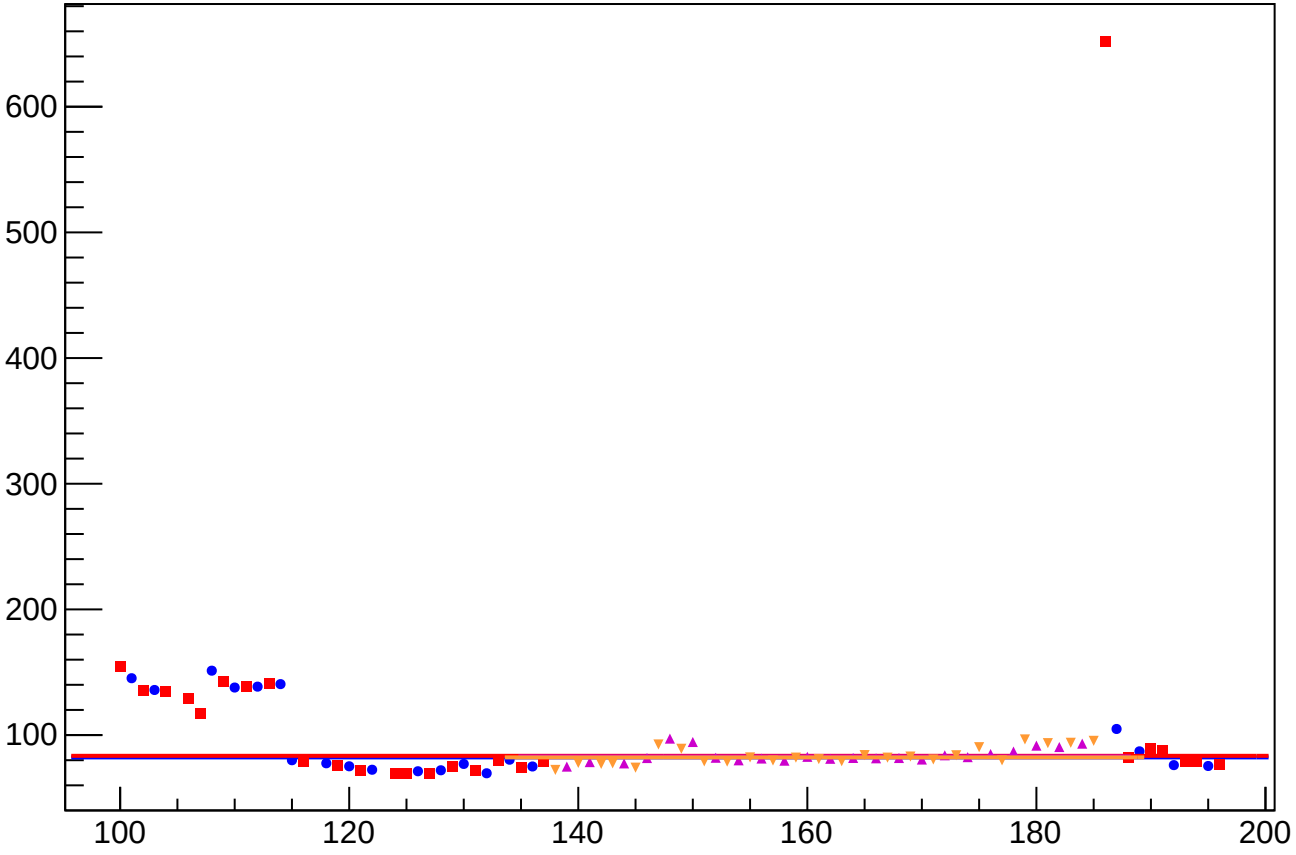
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -106.414+/-15.413 χ^2/NDF: 68.6/44

All: -15.961+/-10.892 χ^2/NDF: 213.1/93

- sign 74.261+/-15.393 χ^2/NDF: 75.7/48

eigen_dit_asym_sam1_rms vs Slug



Right In: 82.236+/-0.019 χ^2/NDF: 1086257.6/19

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 83.489+/-0.018 χ^2/NDF: 1770878.3/25

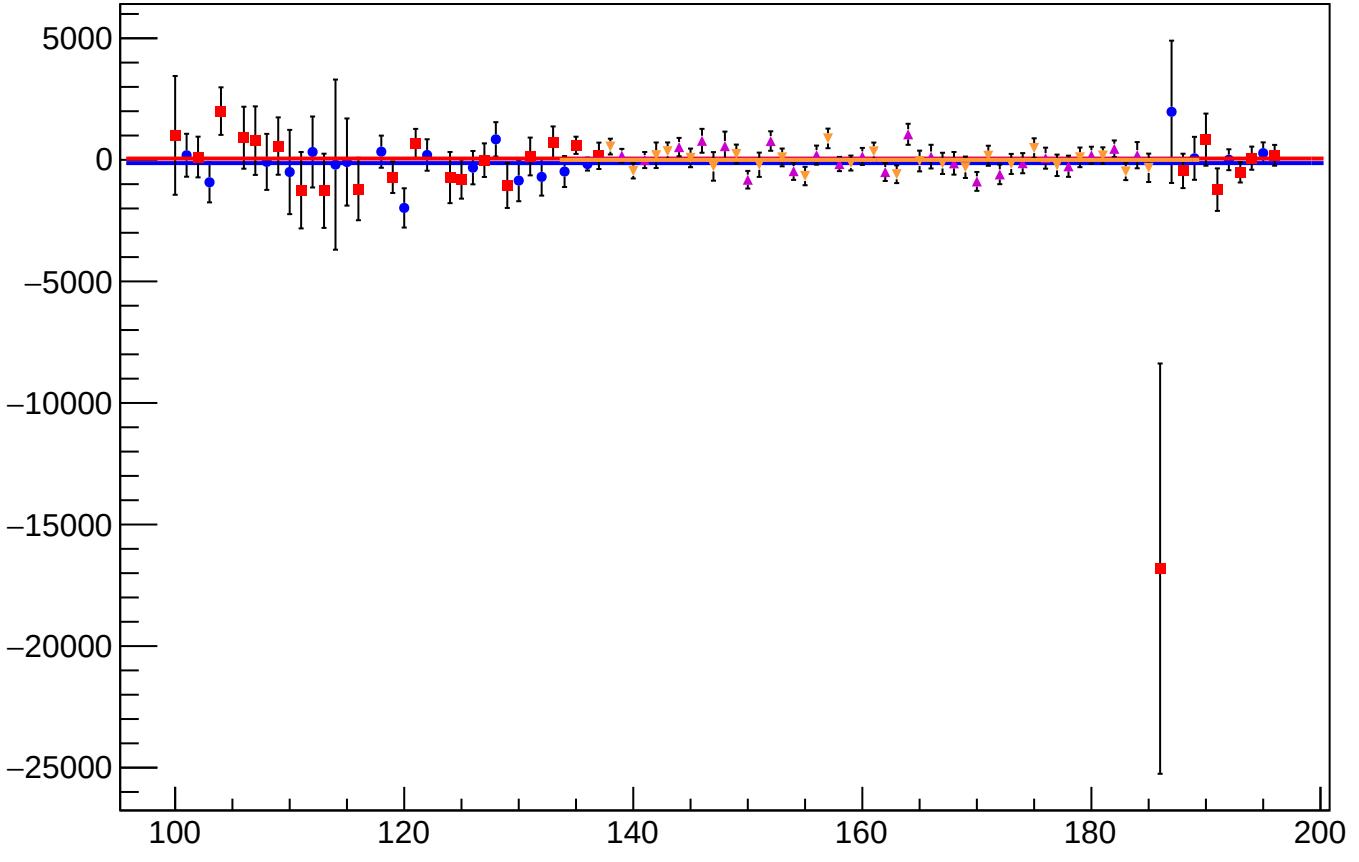
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.244+/-0.011 χ^2/NDF: 1302806.4/44

All: 82.711+/-0.008 χ^2/NDF: 3223460.1/93

- sign 83.178+/-0.011 χ^2/NDF: 1916971.9/48

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -134.616+/-146.726 χ^2/NDF: 12.3/19

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 52.863+/-138.679 χ^2/NDF: 25.7/25

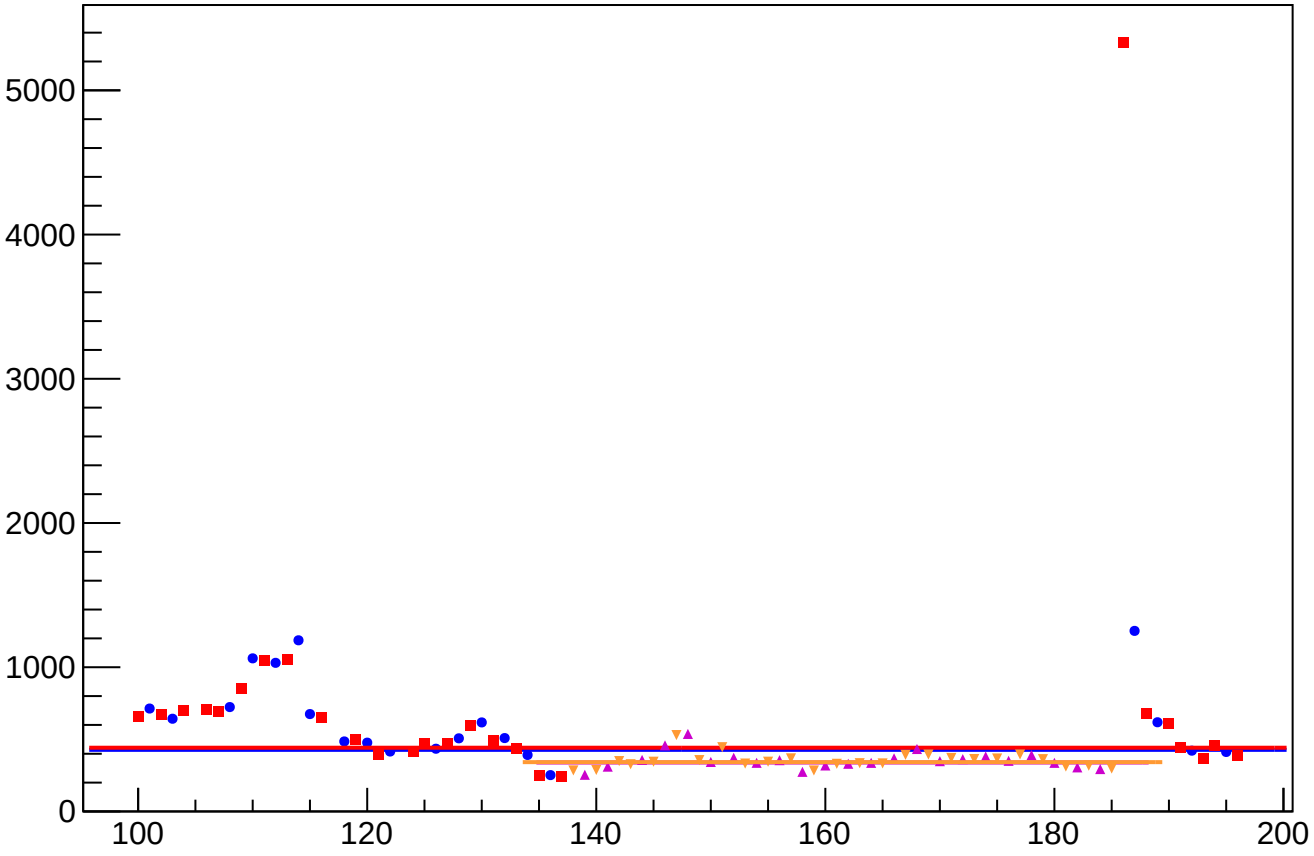
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -32.410+/-69.272 χ^2/NDF: 36.4/44

All: -3.494+/-49.085 χ^2/NDF: 97.4/93

- sign 25.663+/-69.562 χ^2/NDF: 60.6/48

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 427.155+/-0.104 χ^2/NDF: 2513189.2/19

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 441.914+/-0.098 χ^2/NDF: 3351531.2/25

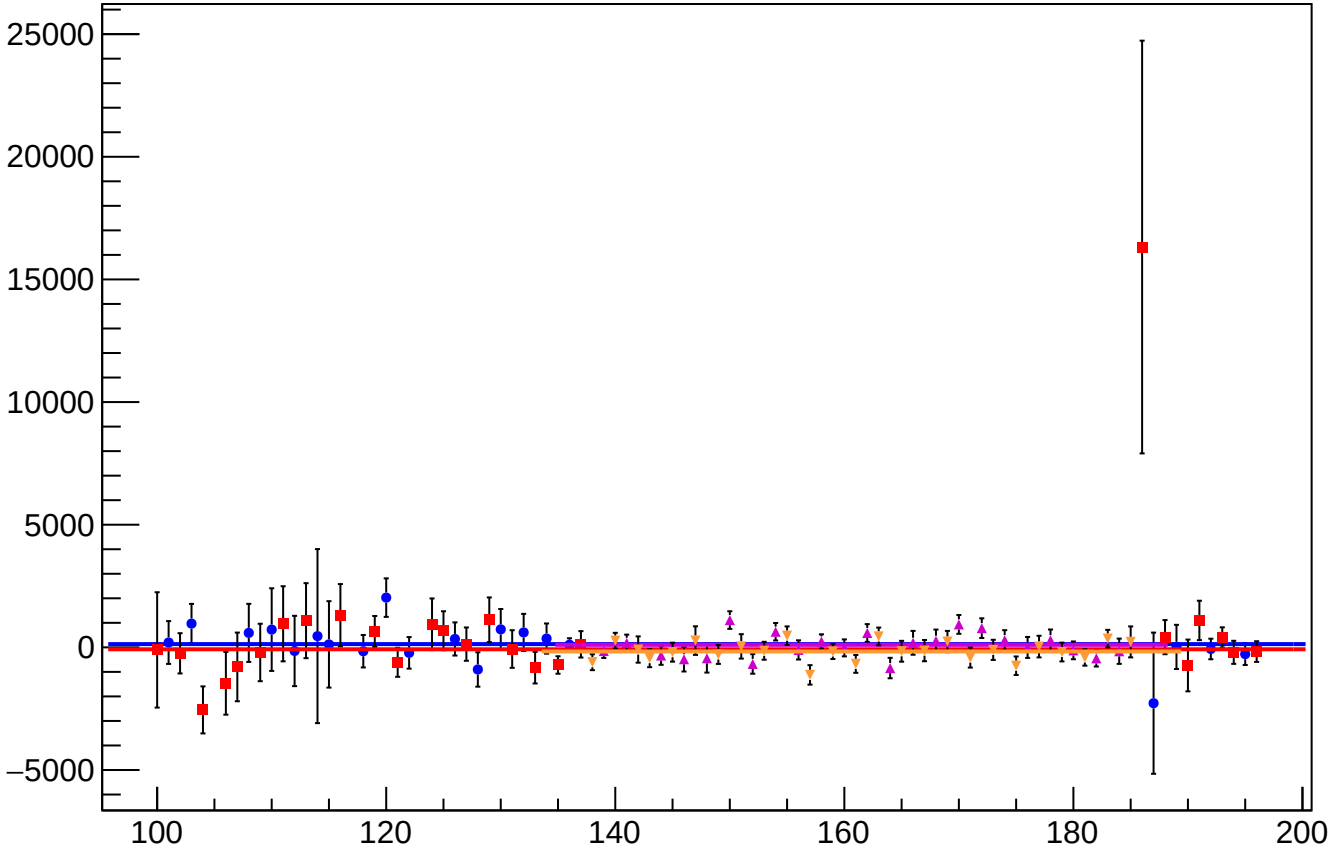
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 360.917+/-0.049 χ^2/NDF: 3691635.3/44

All: 363.057+/-0.035 χ^2/NDF: 8711154.0/93

- sign 365.216+/-0.049 χ^2/NDF: 5015684.0/48

asym_sam1_mean vs Slug



Right In: 132.509+/-145.163 χ^2/NDF: 12.8/19

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -78.445+/-136.941 χ^2/NDF: 29.3/25

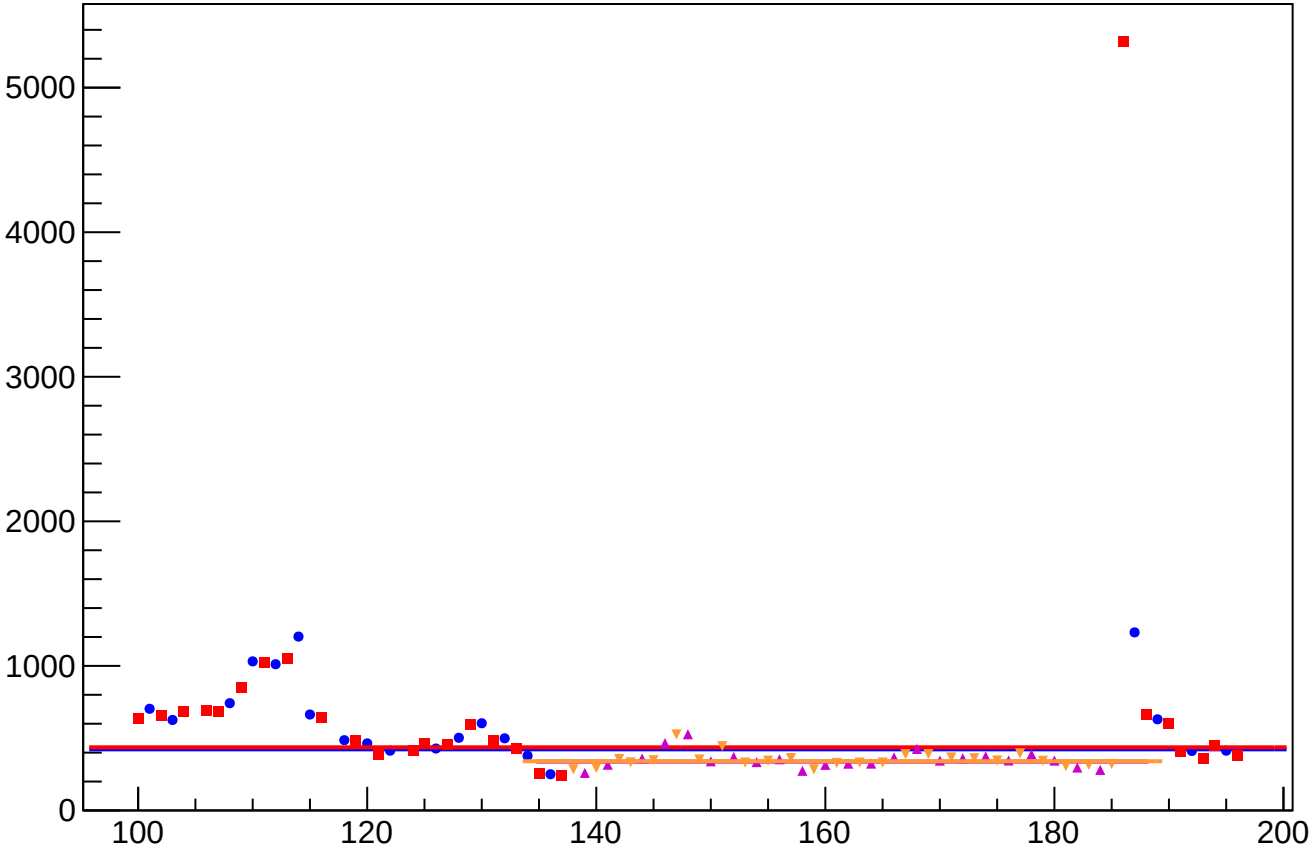
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -99.954+/-68.831 χ^2/NDF: 41.7/44

All: -21.457+/-48.757 χ^2/NDF: 112.4/93

- sign 57.594+/-69.074 χ^2/NDF: 68.1/48

asym_sam1_rms vs Slug



Right In: 422.721+/-0.103 χ^2/NDF: 2494435.6/19

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 436.753+/-0.097 χ^2/NDF: 3287672.9/25

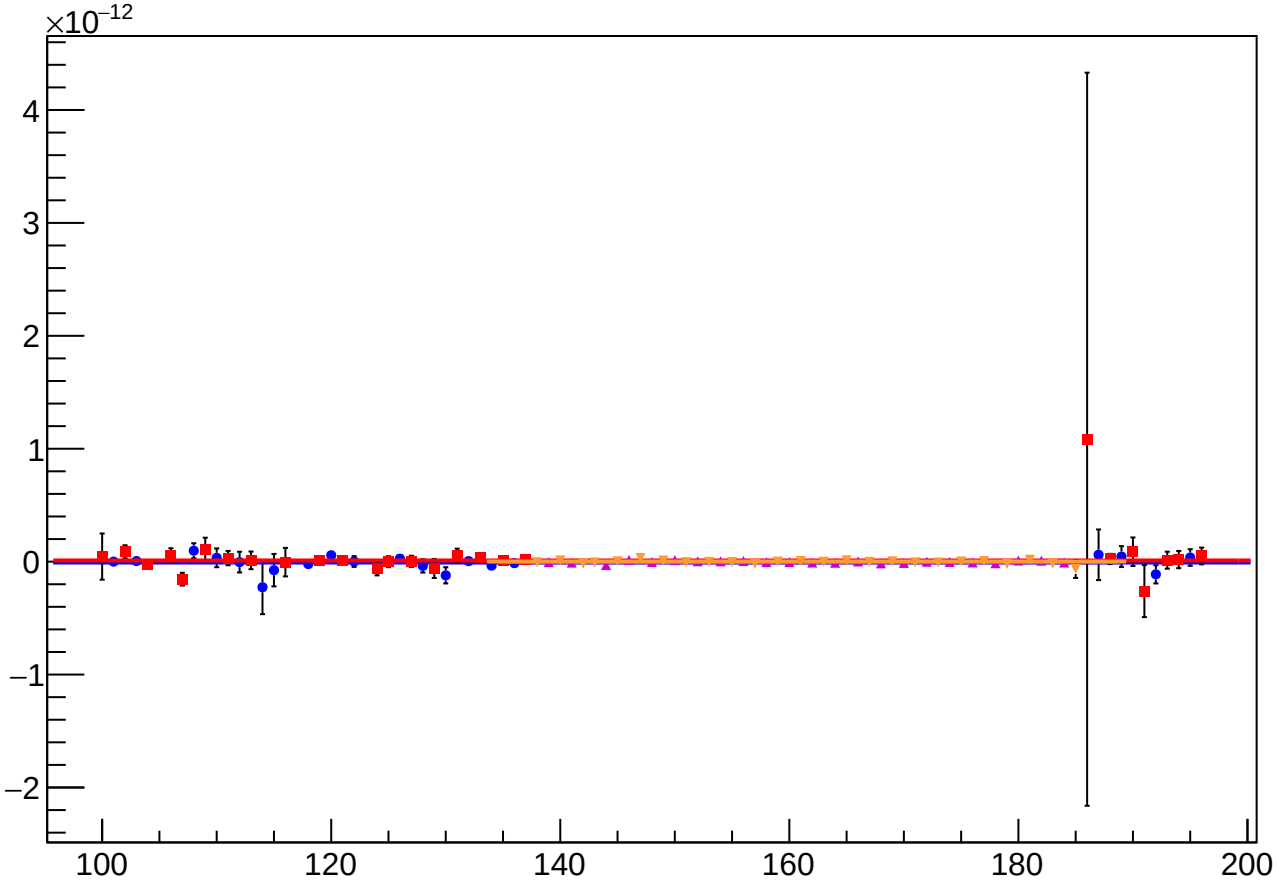
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 358.902+/-0.049 χ^2/NDF: 3597275.1/44

All: 360.916+/-0.034 χ^2/NDF: 8488311.8/93

- sign 362.945+/-0.049 χ^2/NDF: 4887598.1/48

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

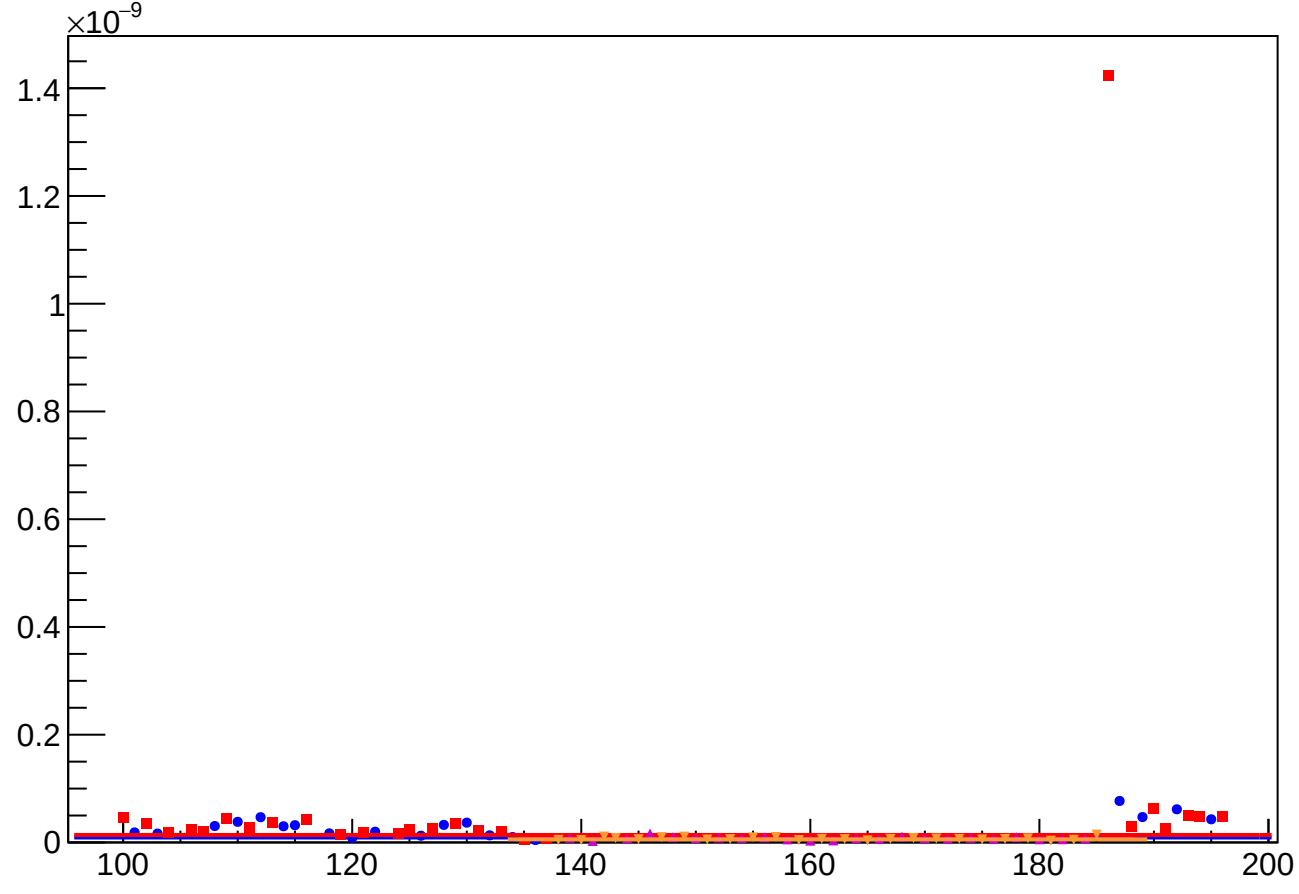
Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/25

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: -0.000+/-0.000 χ^2/NDF: 69.2/93

- sign -0.000+/-0.000 χ^2/NDF: 33.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 4566597.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5083890.3/25

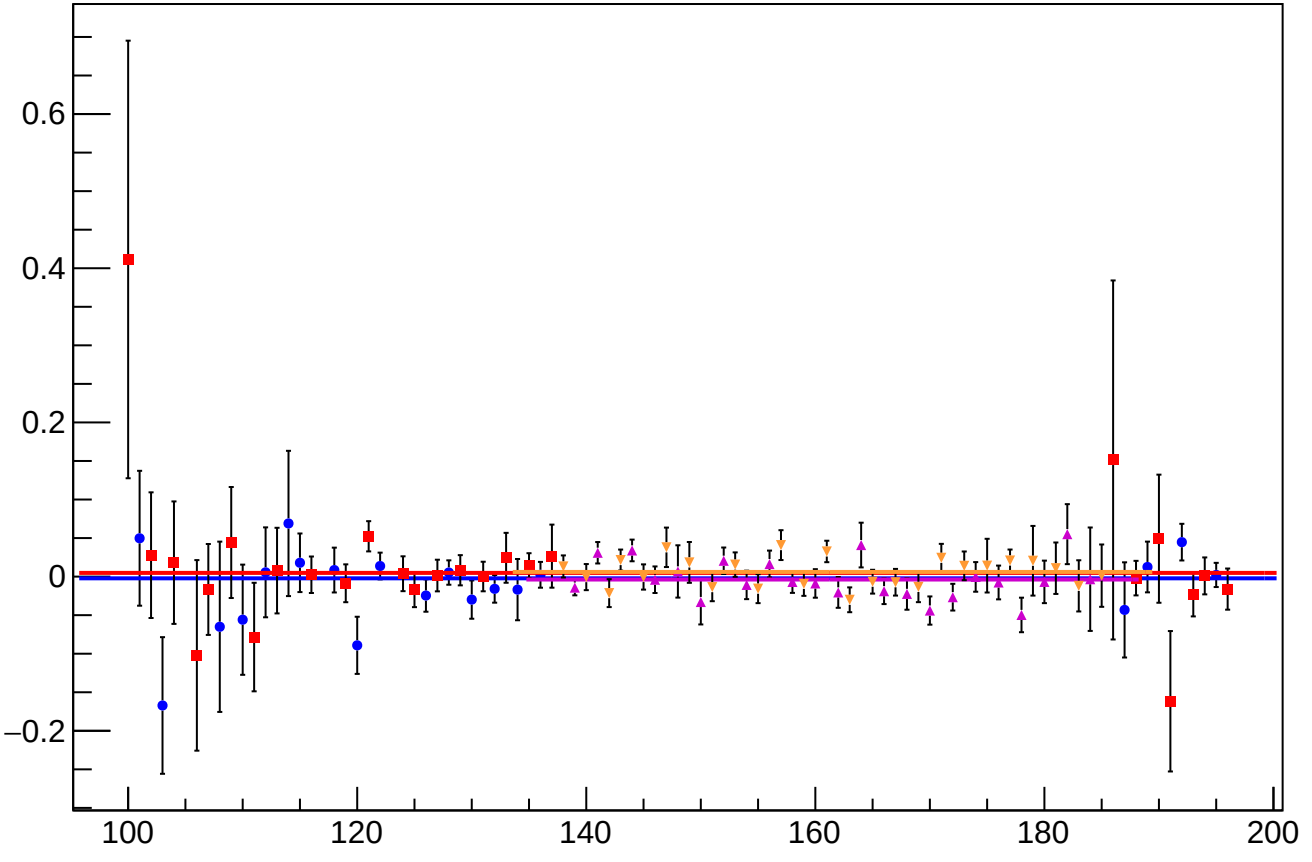
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6263944.9/44

All: 0.000+/-0.000 χ^2/NDF: 15137340.4/93

- 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: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

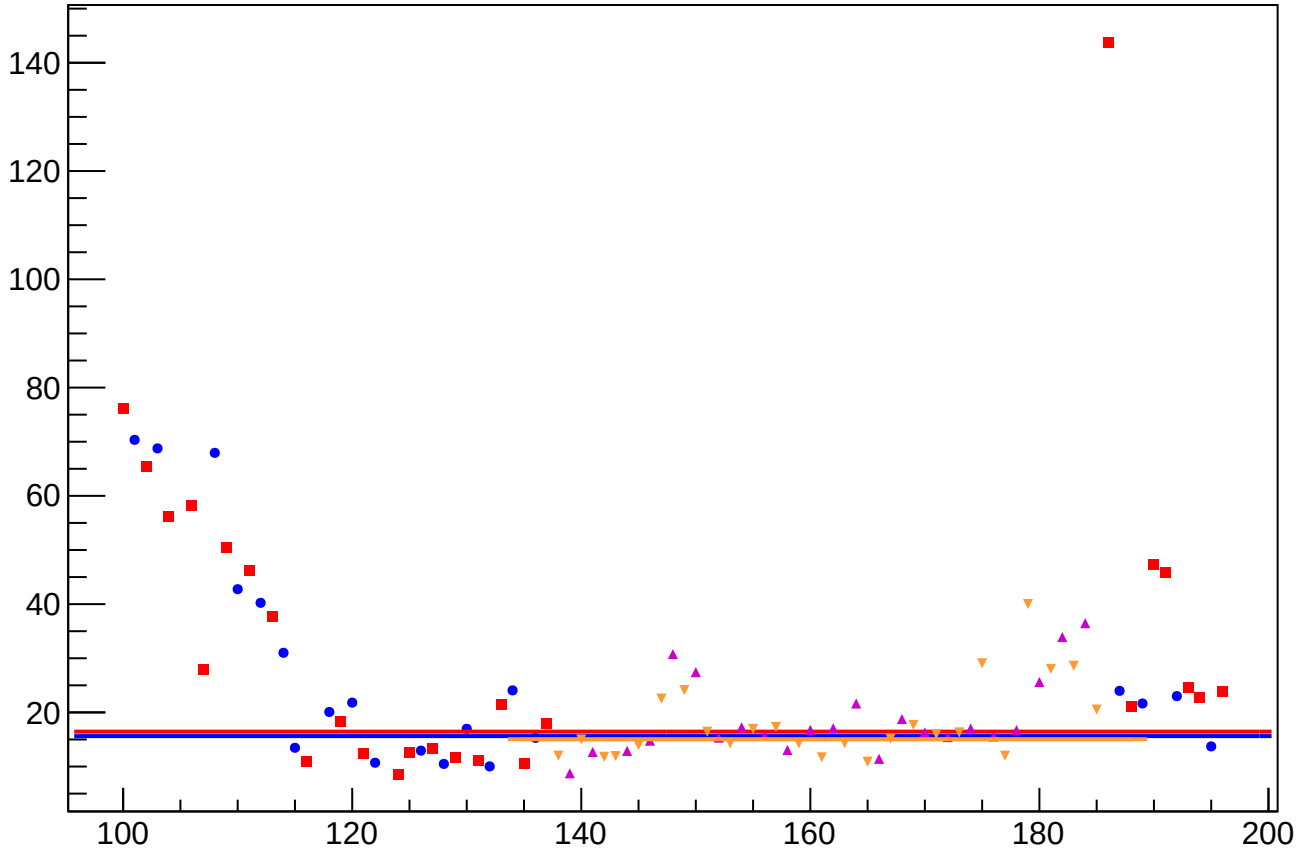
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.8/93

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.621+/-0.004 χ^2/NDF: 3780139.9/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.446+/-0.004 χ^2/NDF: 5478283.6/25

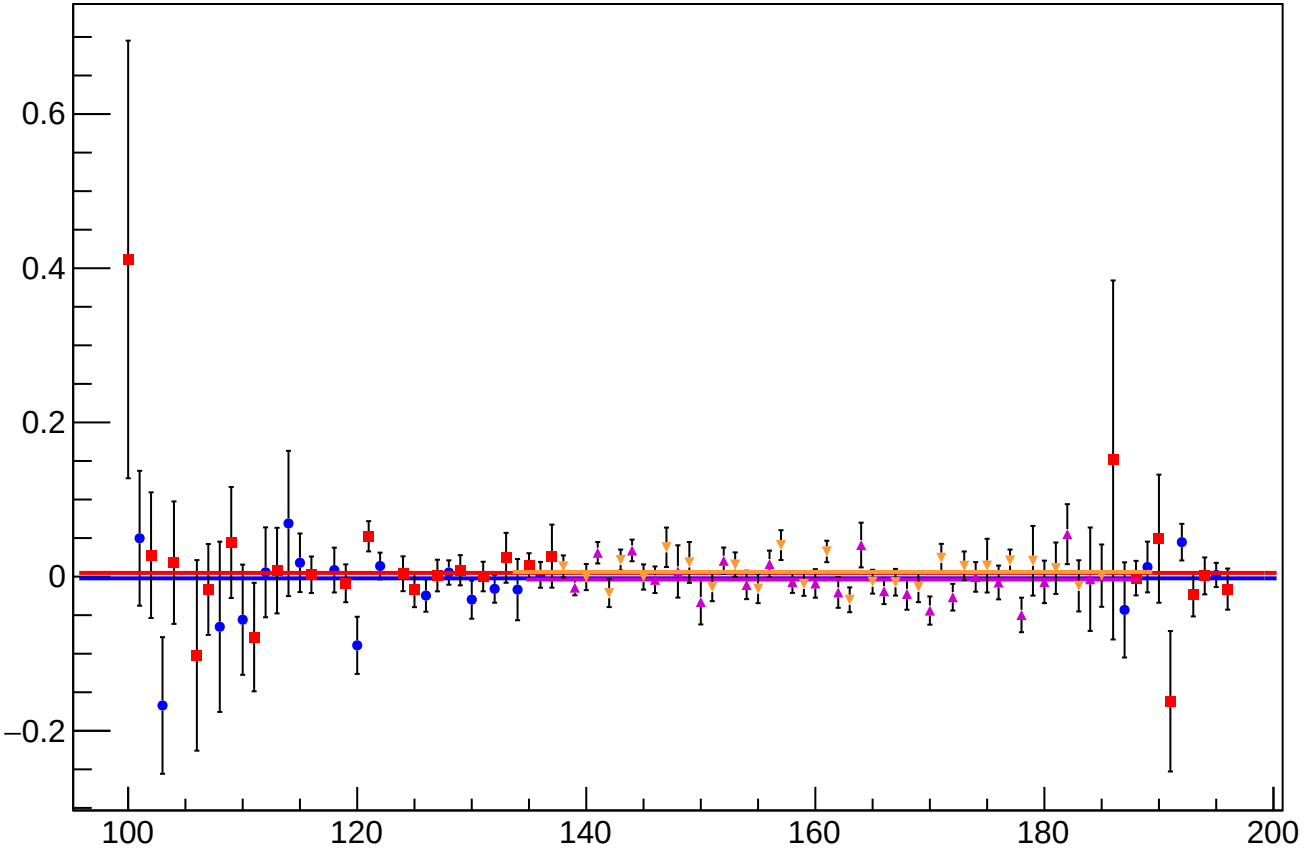
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.209+/-0.002 χ^2/NDF: 6551971.5/44

All: 15.352+/-0.002 χ^2/NDF: 15186754.2/93

- sign 15.501+/-0.002 χ^2/NDF: 8626146.7/48

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

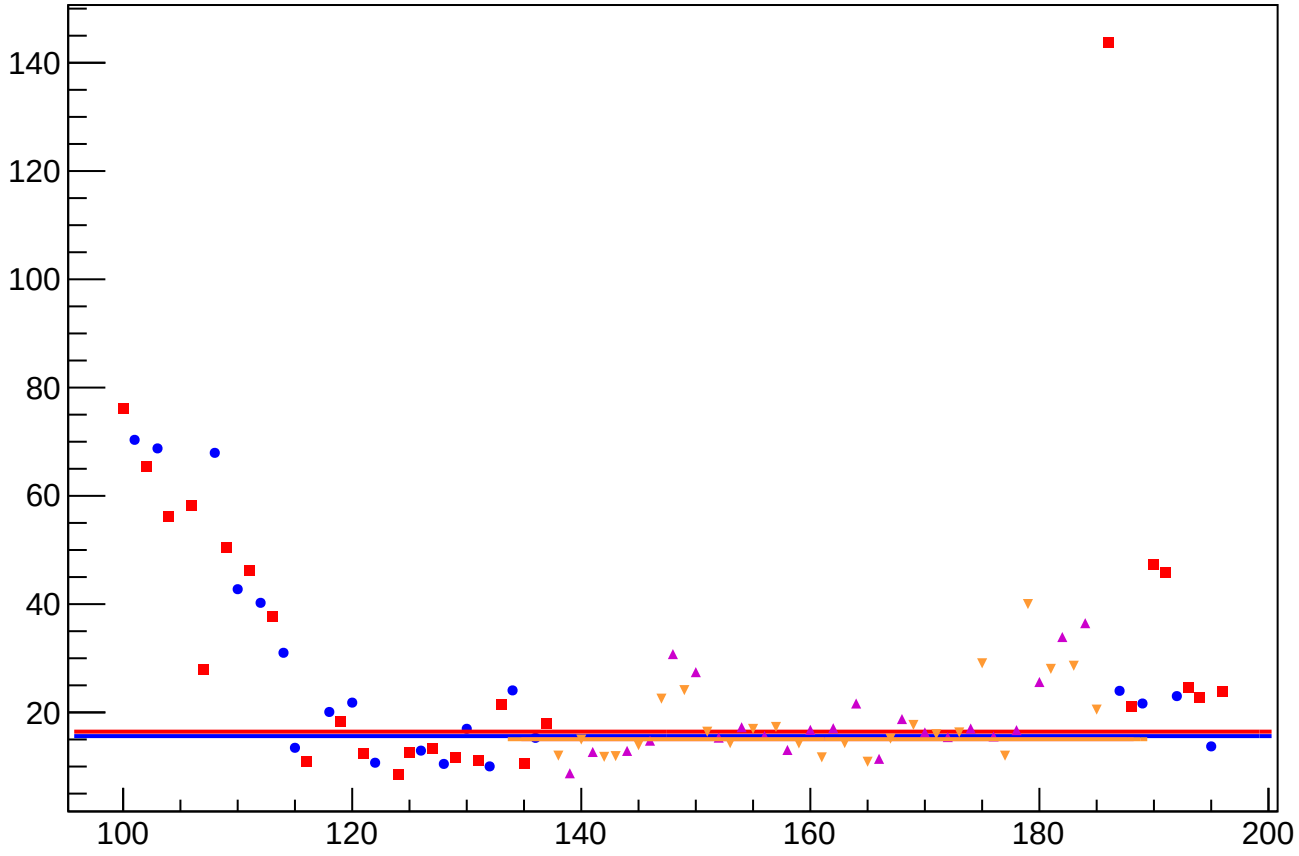
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.8/93

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.621+/-0.004 χ^2/NDF: 3780139.9/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.446+/-0.004 χ^2/NDF: 5478283.6/25

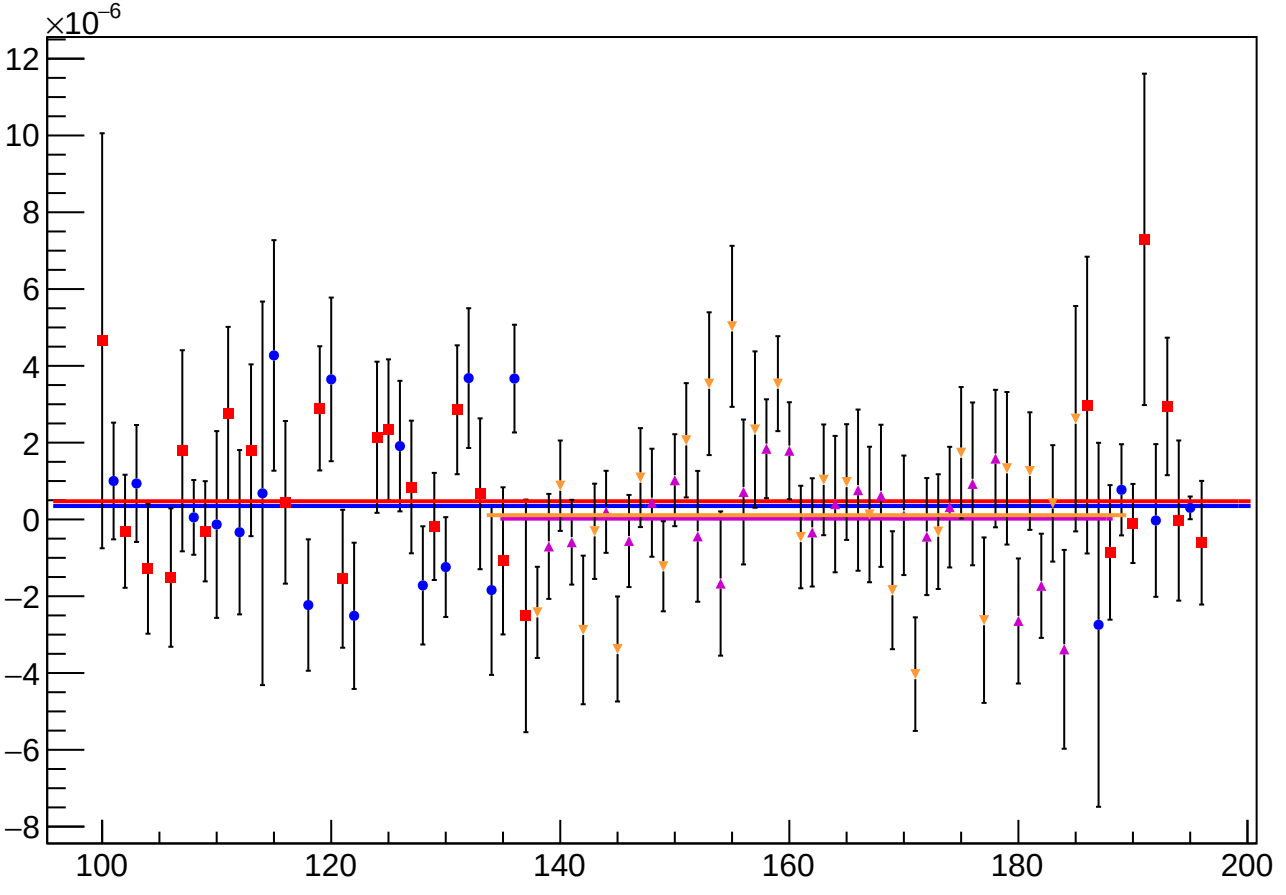
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.209+/-0.002 χ^2/NDF: 6551971.5/44

All: 15.352+/-0.002 χ^2/NDF: 15186754.2/93

- sign 15.501+/-0.002 χ^2/NDF: 8626146.7/48

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/25

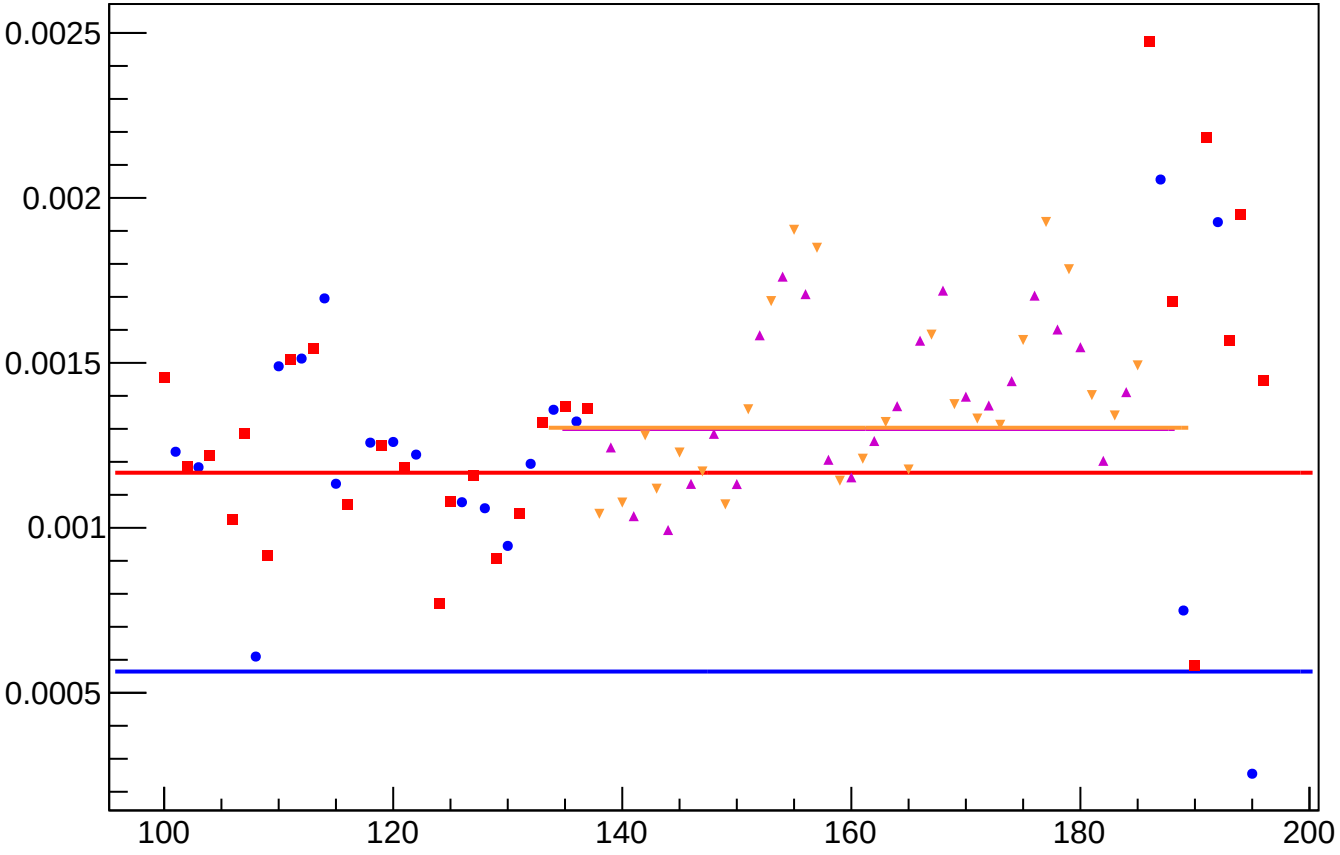
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.3/44

All: 0.000+/-0.000 χ^2/NDF: 109.8/93

- sign 0.000+/-0.000 χ^2/NDF: 35.6/48

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7375520.4/19

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2015541.3/25

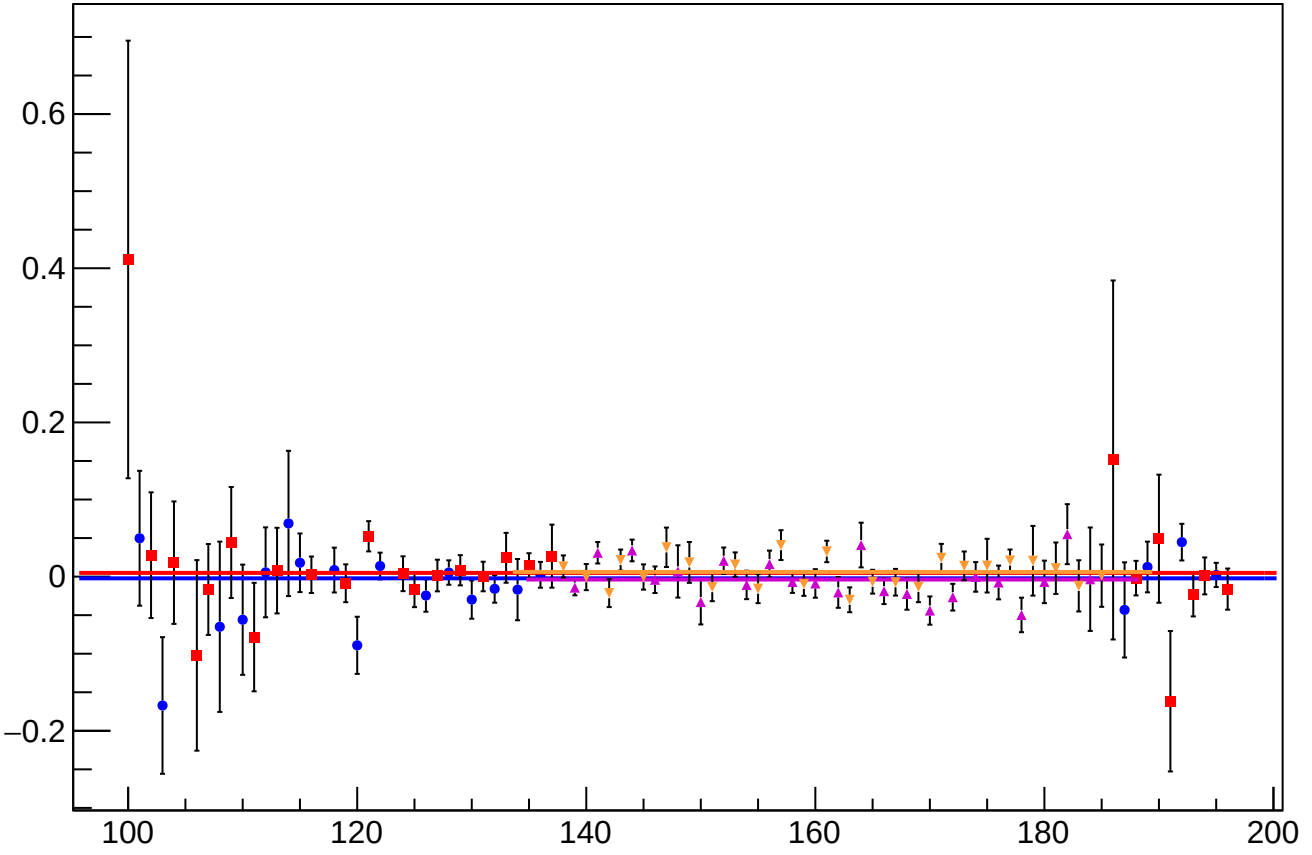
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16027677.6/44

All: 0.001+/-0.000 χ^2/NDF: 22810530.9/93

- sign 0.001+/-0.000 χ^2/NDF: 3199917.3/48

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

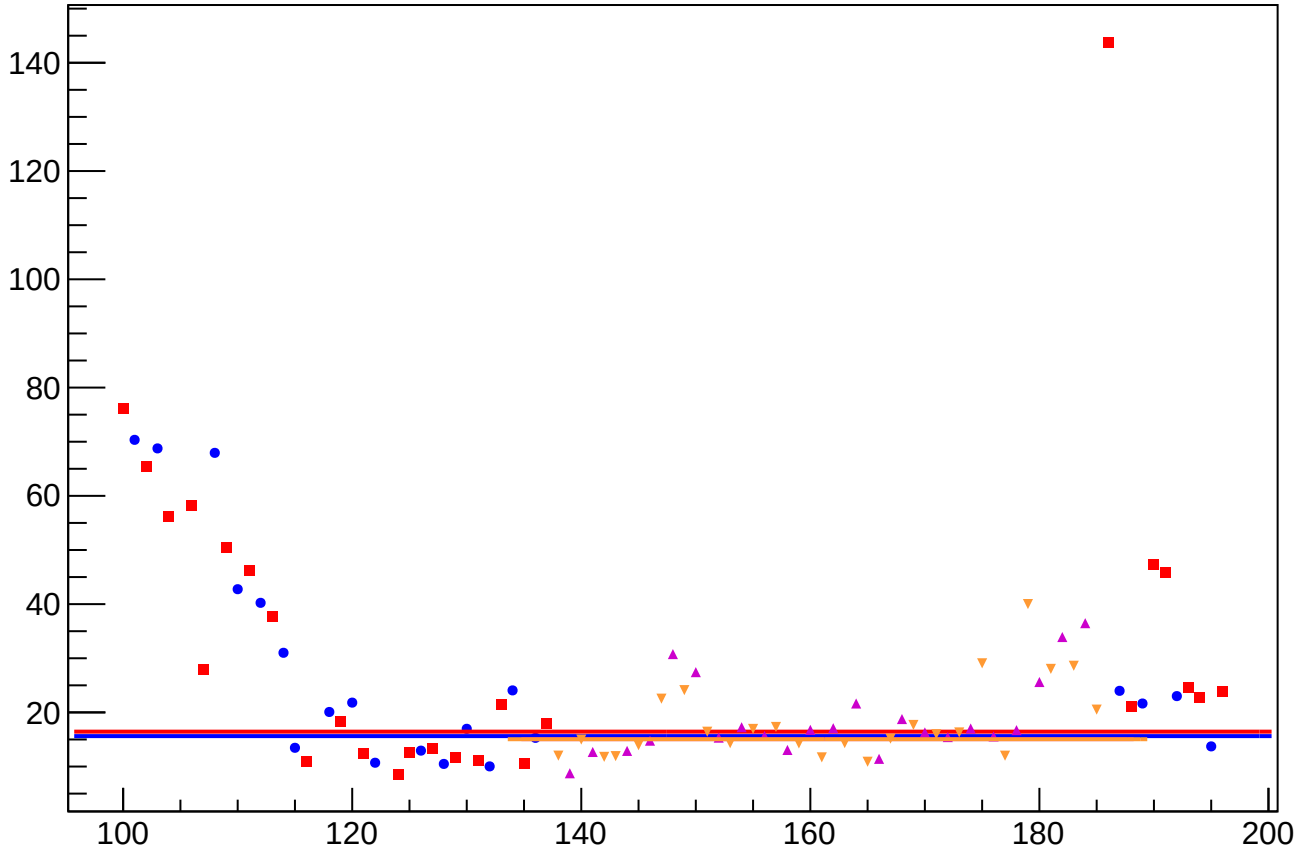
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.8/93

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.620+/-0.004 χ^2/NDF: 3780142.4/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

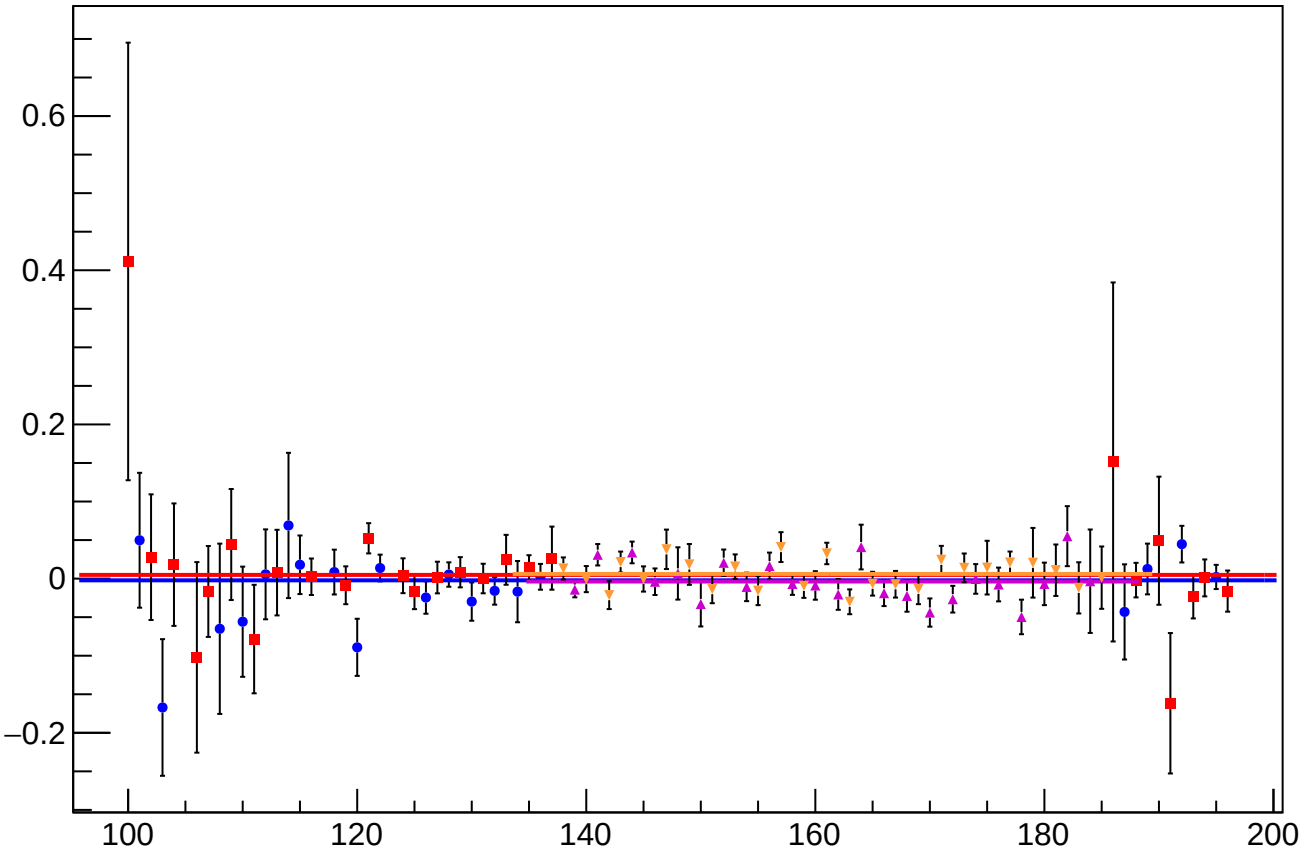
Right Out: 16.446+/-0.004 χ^2/NDF: 5478243.4/25

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.208+/-0.002 χ^2/NDF: 6552188.0/44

All: 15.352+/-0.002 χ^2/NDF: 15186984.1/93

- sign 15.501+/-0.002 χ^2/NDF: 8626156.6/48



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

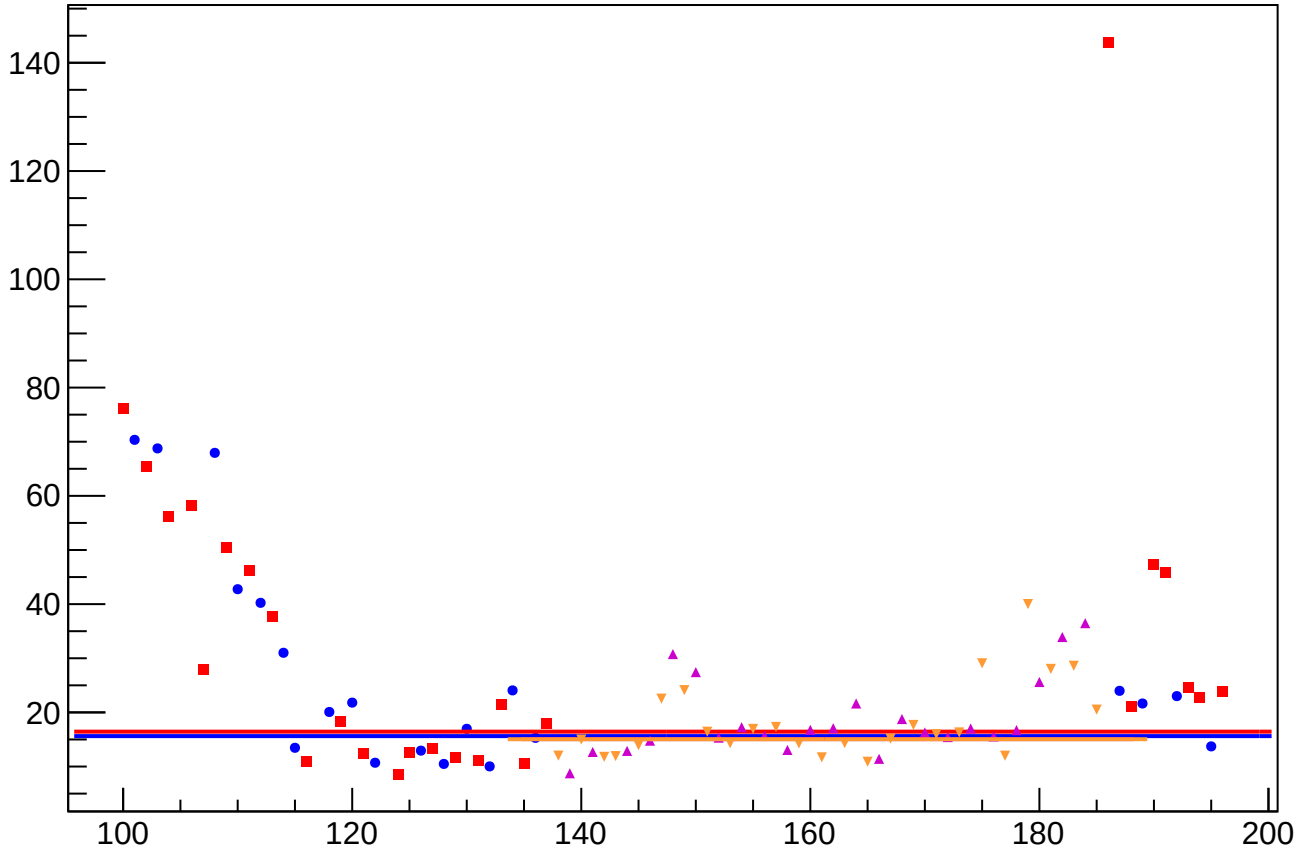
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.8/93

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.620+/-0.004 χ^2/NDF: 3780142.4/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.446+/-0.004 χ^2/NDF: 5478243.4/25

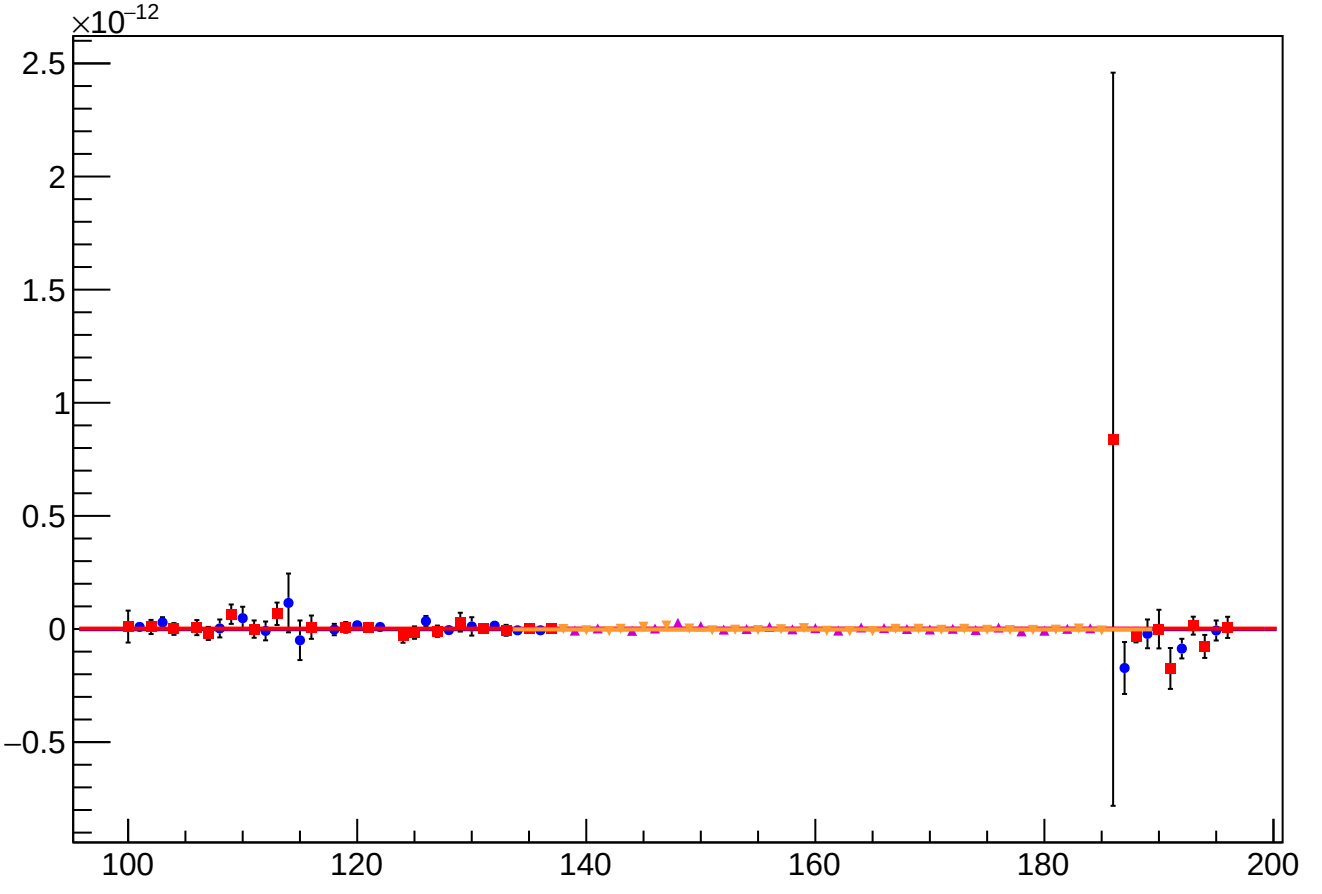
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.208+/-0.002 χ^2/NDF: 6552188.0/44

All: 15.352+/-0.002 χ^2/NDF: 15186984.1/93

- 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: 15.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/25

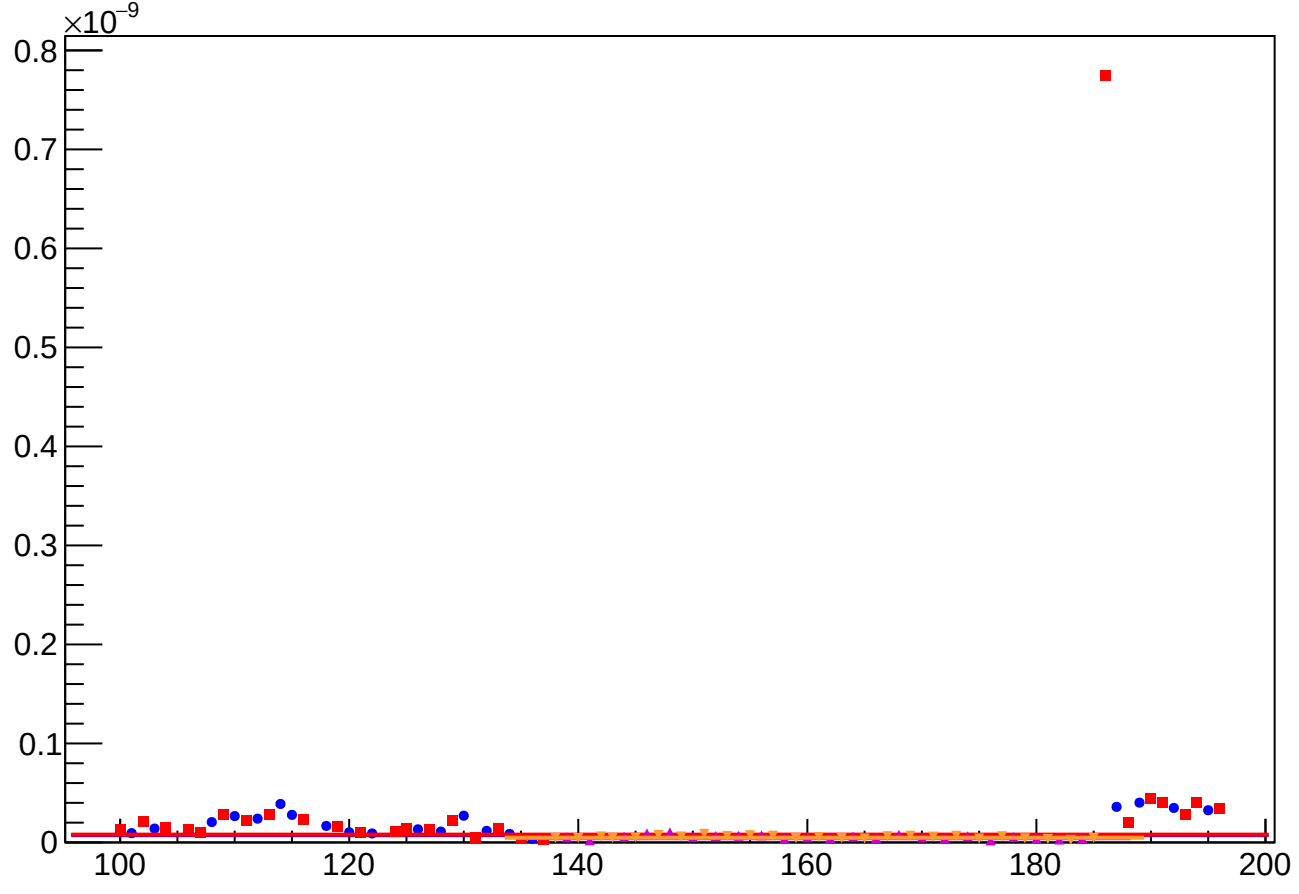
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/44

All: -0.000+/-0.000 χ^2/NDF: 69.8/93

- 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: 5666095.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7874532.7/25

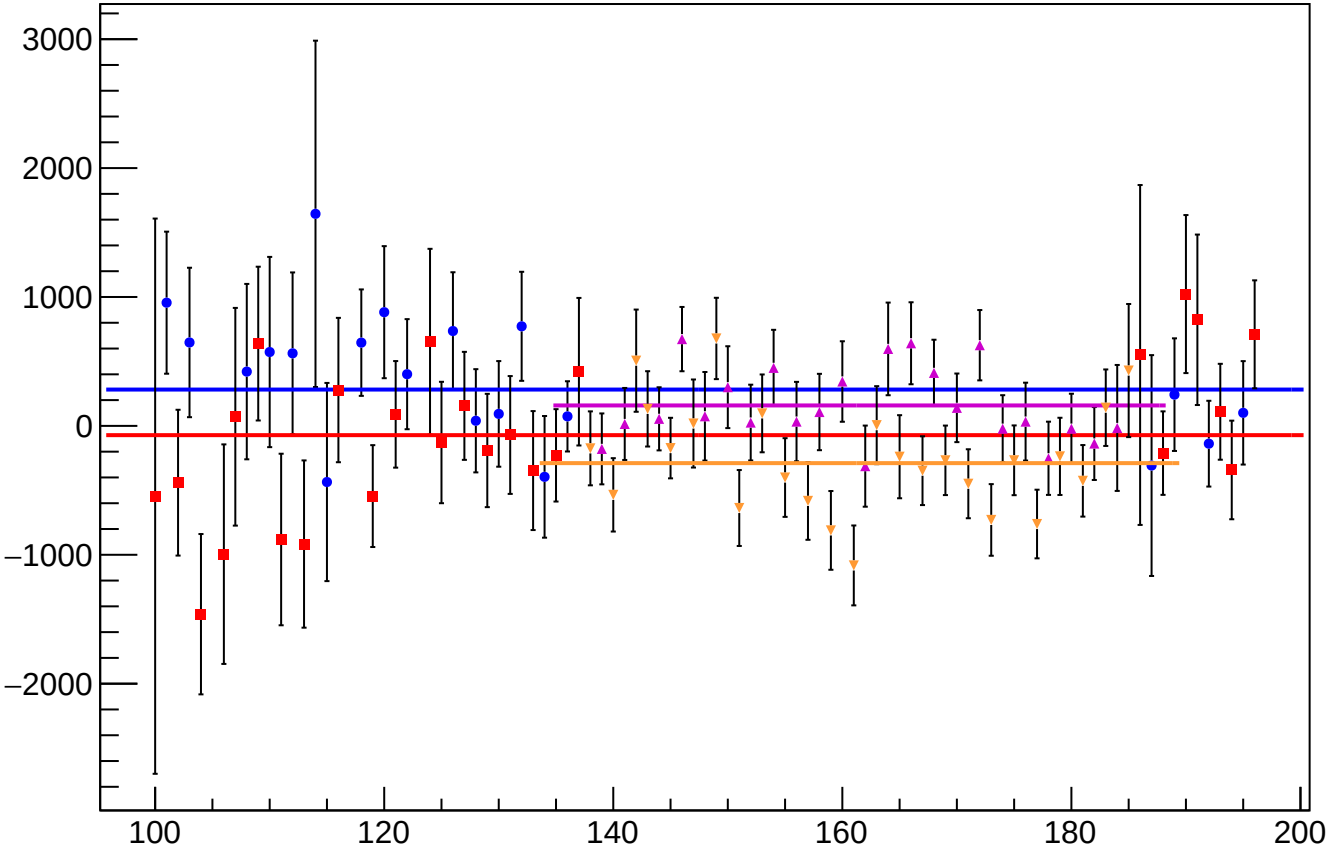
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8608938.2/44

All: 0.000+/-0.000 χ^2/NDF: 21706503.3/93

- sign 0.000+/-0.000 χ^2/NDF: 12993812.3/48

reg_asym_sam2_mean vs Slug



Right In: 281.818+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.869+/-98.035 χ^2/NDF: 25.6/25

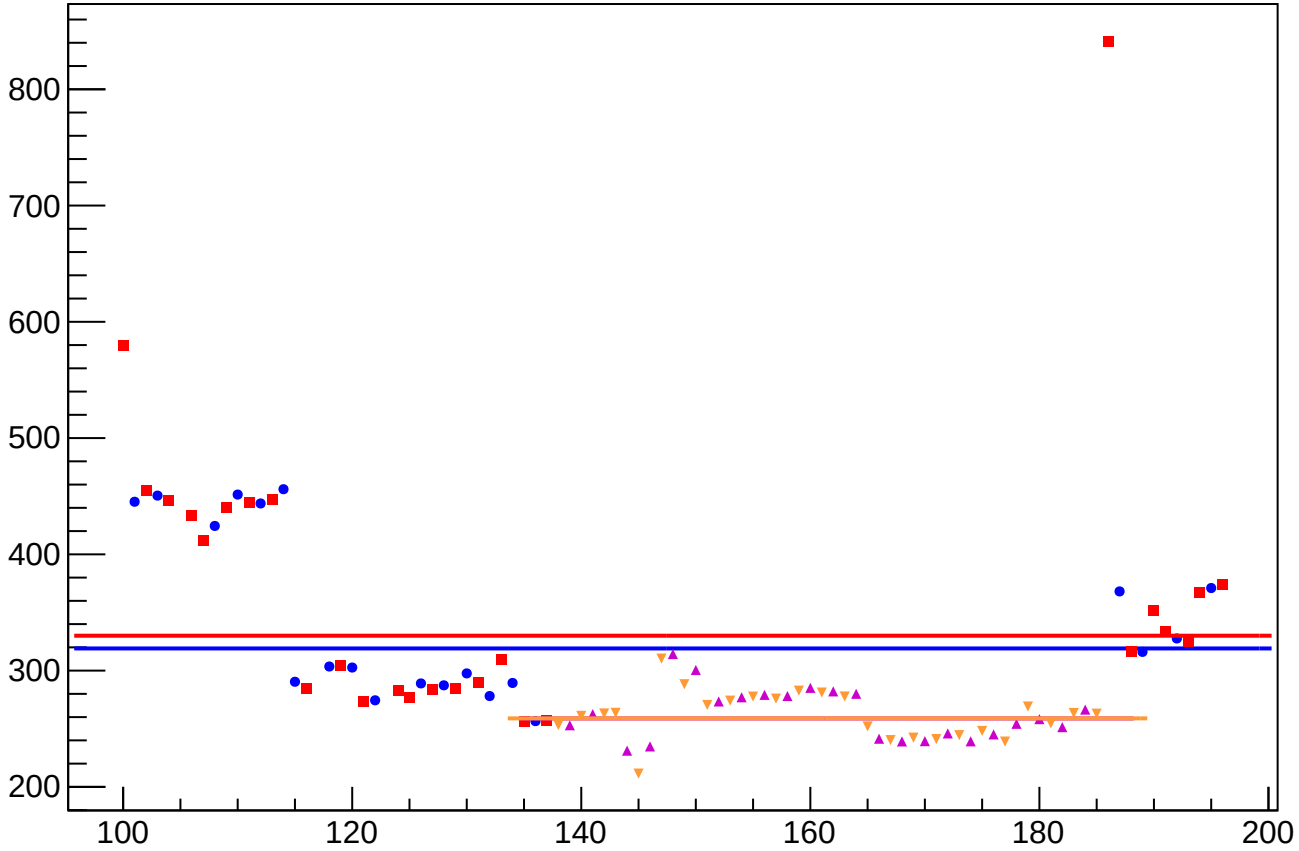
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -149.656+/-51.329 χ^2/NDF: 79.5/44

All: -28.141+/-36.395 χ^2/NDF: 142.8/93

- sign 94.721+/-51.613 χ^2/NDF: 52.1/48

reg_asym_sam2_rms vs Slug



Right In: 319.064+/-0.073 χ^2/NDF: 649495.1/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.019+/-0.069 χ^2/NDF: 1060039.6/25

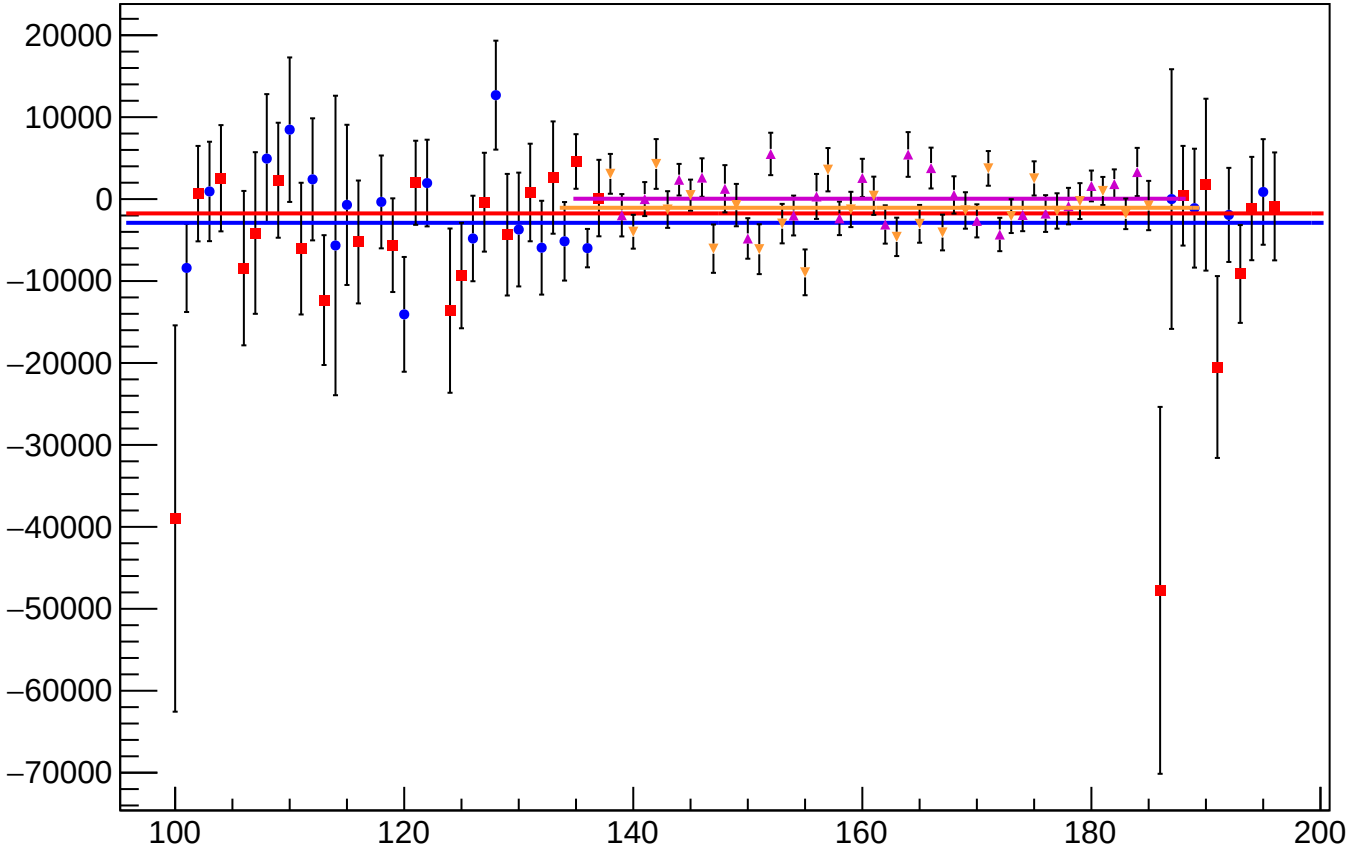
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404911.1/44

All: 276.067+/-0.026 χ^2/NDF: 3481300.3/93

- sign 278.571+/-0.036 χ^2/NDF: 2067022.6/48

asym_sam2_reg_correction_mean vs Slug



Right In: -2895.337+/-1266.932 χ^2/NDF: 16.6/19

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1746.456+/-1288.263 χ^2/NDF: 23.5/25

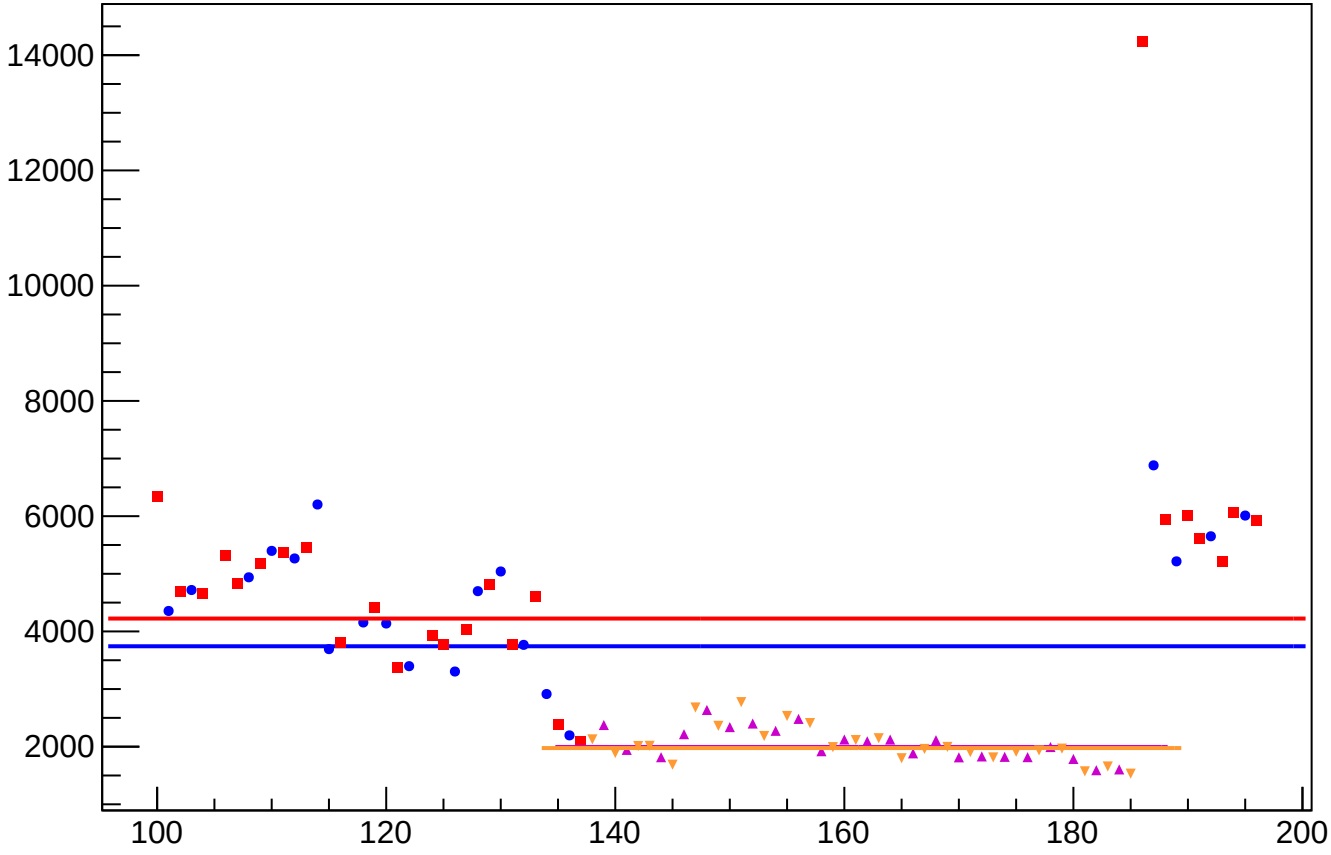
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

\+ sign -1268.708+/-427.932 χ^2/NDF: 60.0/44

All: -735.596+/-307.485 χ^2/NDF: 122.5/93

\- sign -166.564+/-442.114 χ^2/NDF: 59.4/48

asym_sam2_reg_correction_rms vs Slug



Right In: 3742.394+/-0.896 χ^2/NDF: 2025279.5/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4223.385+/-0.911 χ^2/NDF: 2343735.4/25

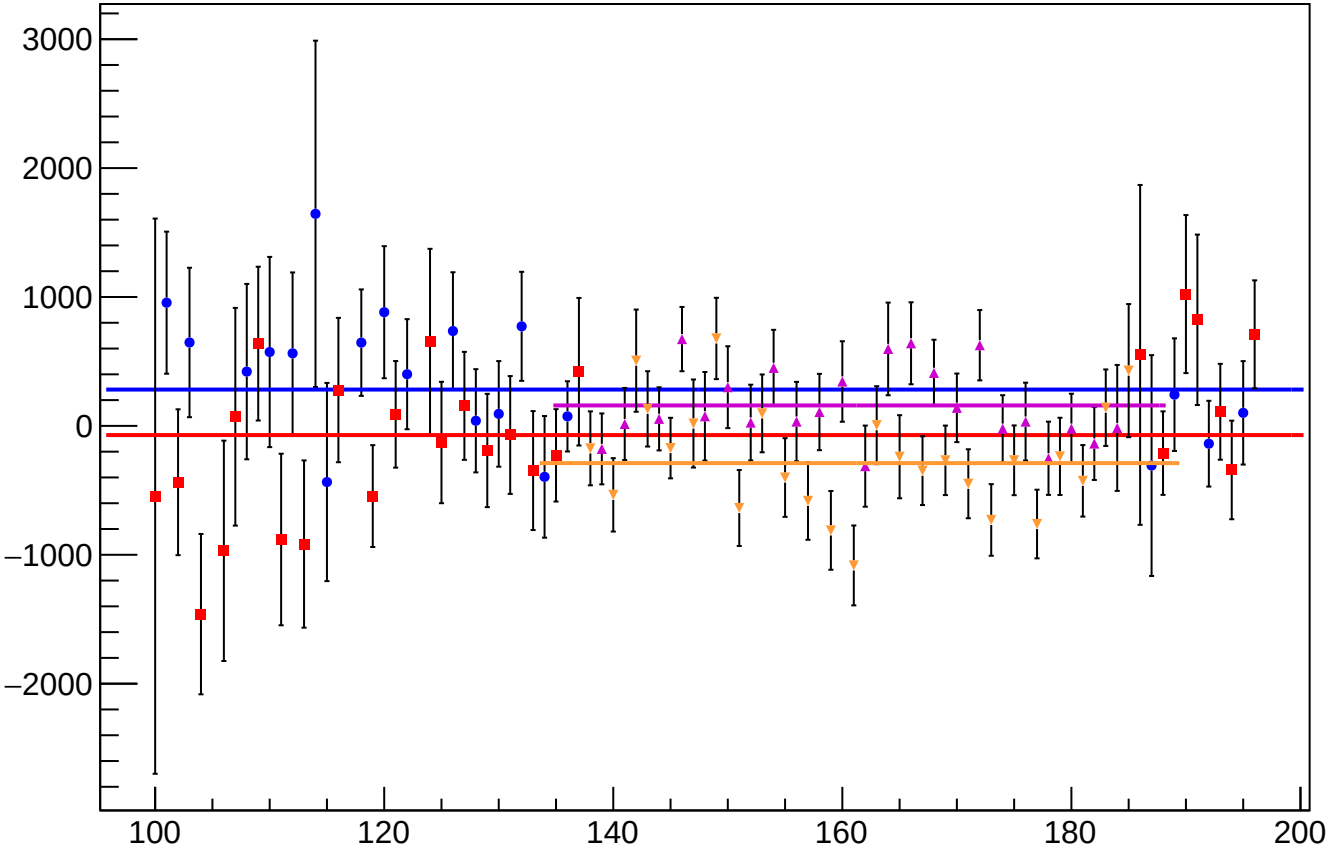
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232940.8/44

All: 2216.069+/-0.217 χ^2/NDF: 14490747.9/9

- sign 2257.240+/-0.313 χ^2/NDF: 8224214.7/48

cor_asym_sam2_mean vs Slug



Right In: 281.803+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.304+/-98.041 χ^2/NDF: 25.5/25

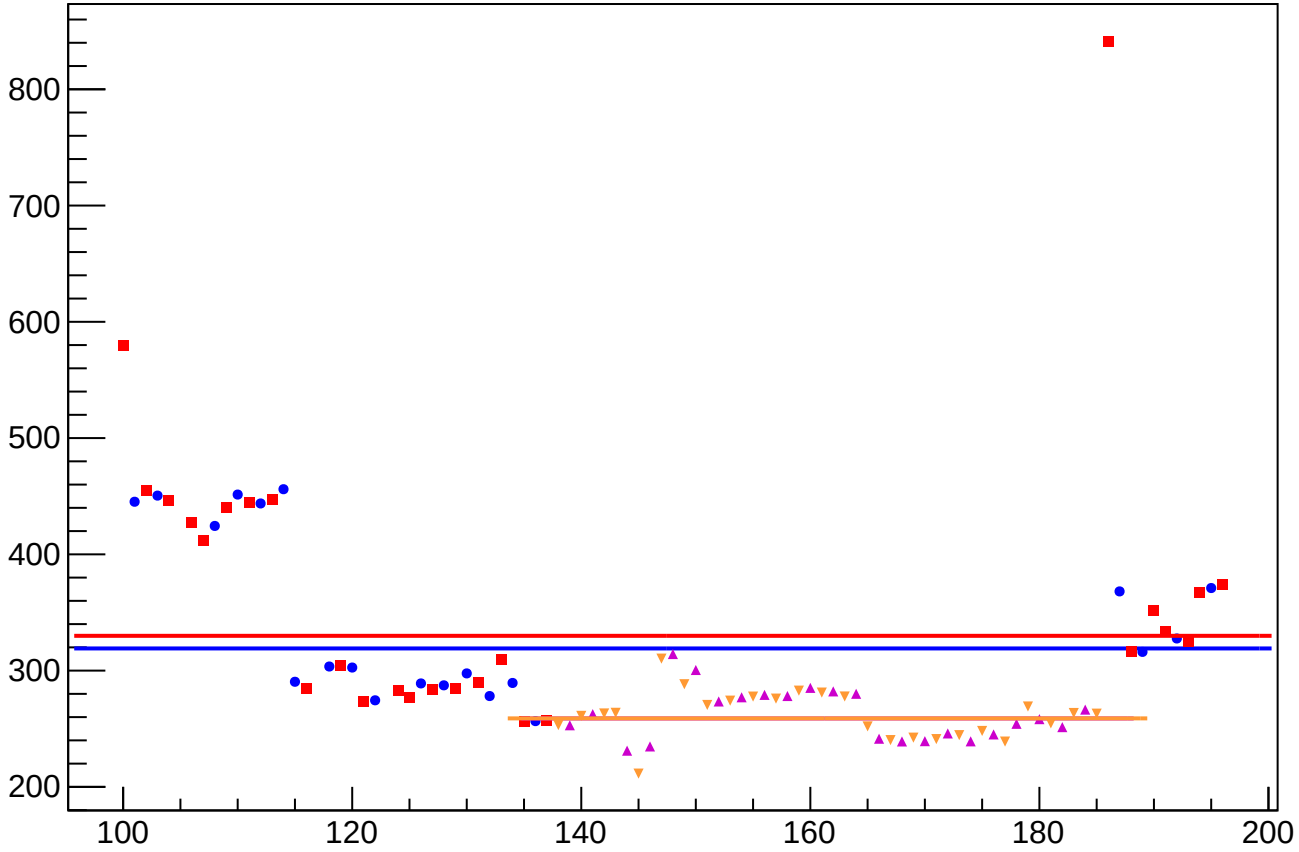
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -149.663+/-51.329 χ^2/NDF: 79.5/44

All: -28.062+/-36.396 χ^2/NDF: 142.7/93

- sign 94.891+/-51.614 χ^2/NDF: 52.0/48

cor_asym_sam2_rms vs Slug



Right In: 319.064+/-0.073 χ^2/NDF: 649496.5/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 329.922+/-0.069 χ^2/NDF: 1056291.4/25

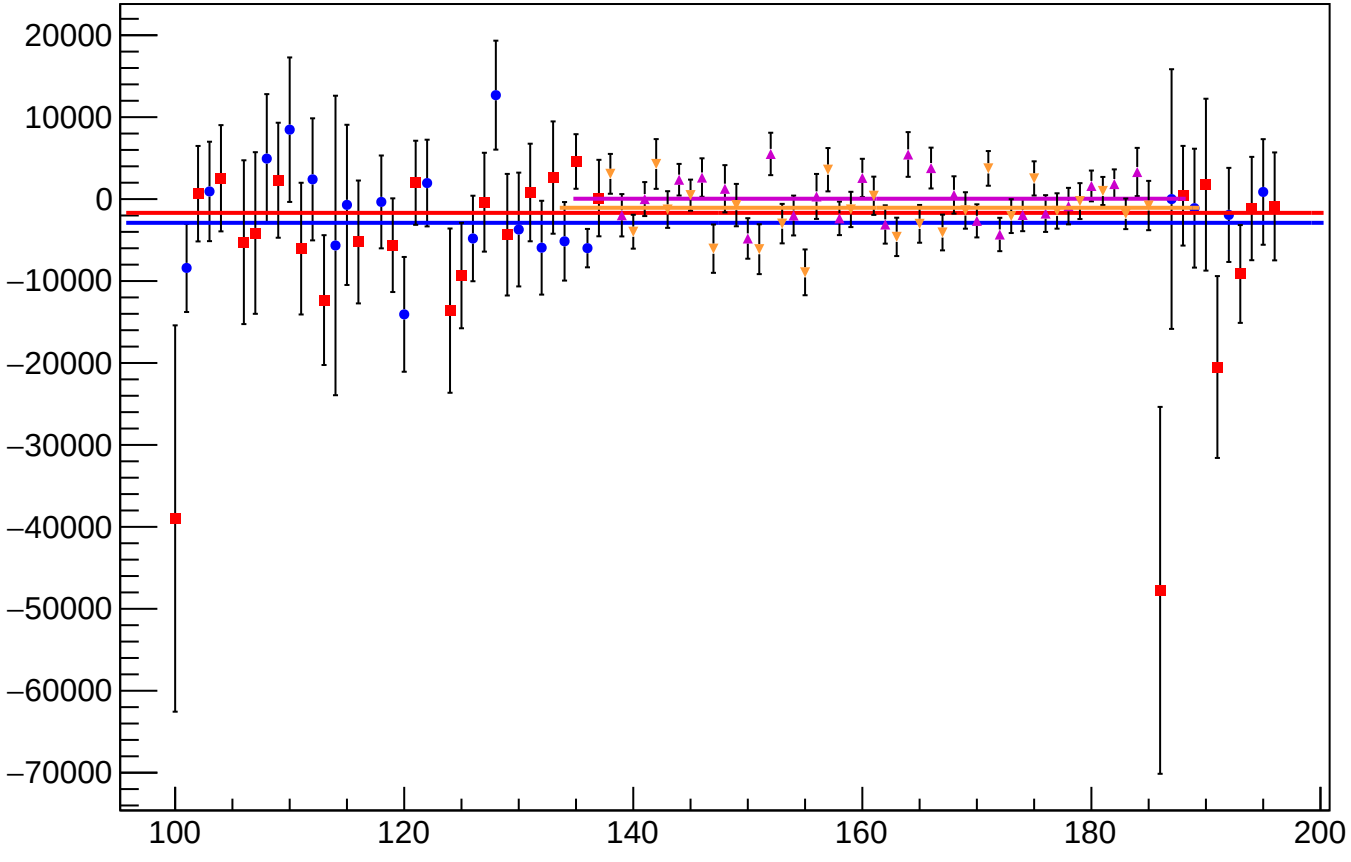
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404912.7/44

All: 276.053+/-0.026 χ^2/NDF: 3475296.1/93

- sign 278.543+/-0.036 χ^2/NDF: 2061124.8/48

asym_sam2_cor_correction_mean vs Slug



Right In: -2895.276+/-1266.934 χ^2/NDF: 16.6/19

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1680.235+/-1289.641 χ^2/NDF: 23.1/25

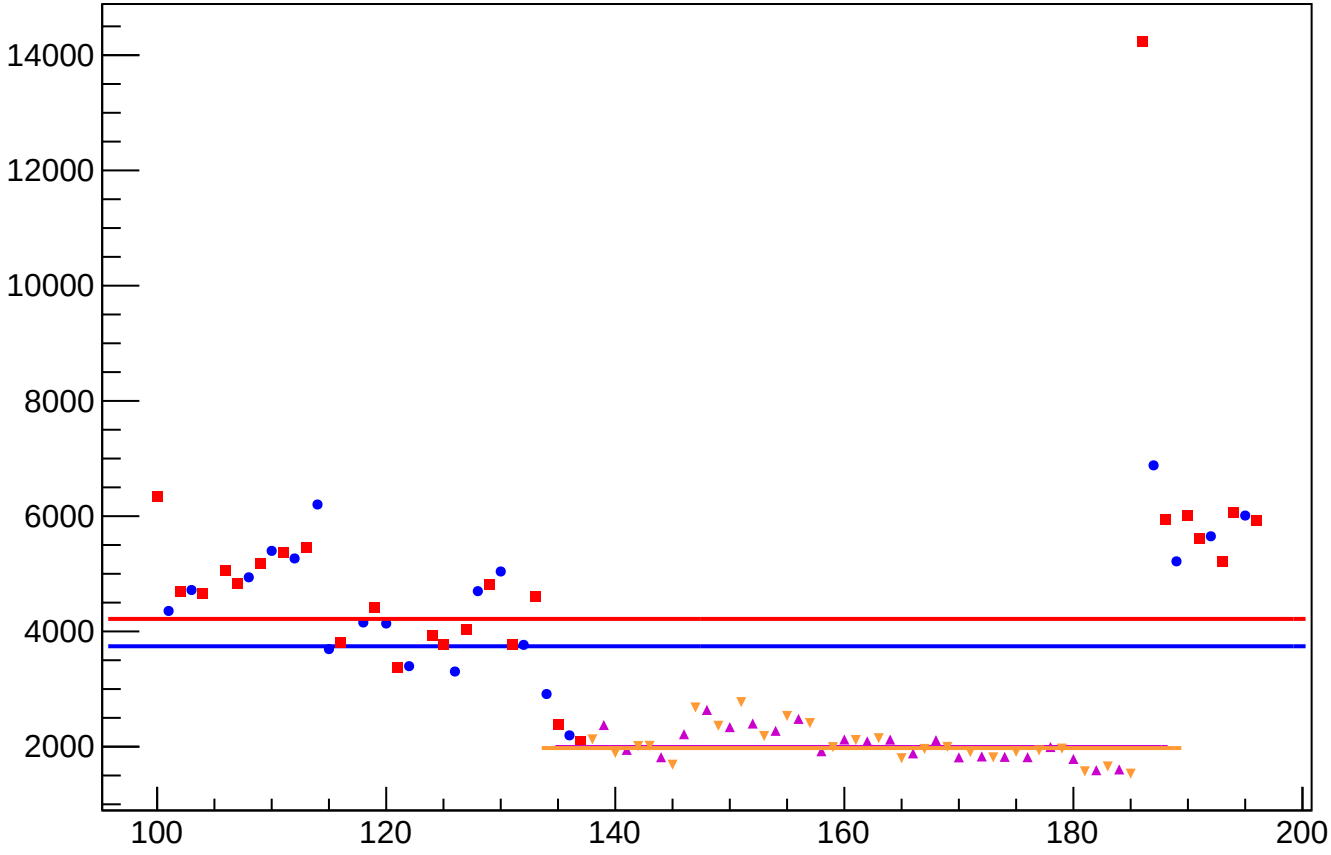
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1268.704+/-427.932 χ^2/NDF: 60.0/44

All: -731.707+/-307.504 χ^2/NDF: 122.1/93

- sign -158.385+/-442.169 χ^2/NDF: 58.8/48

asym_sam2_cor_correction_rms vs Slug



Right In: 3742.399+/-0.896 χ^2/NDF: 2025292.9/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4217.120+/-0.912 χ^2/NDF: 2331346.7/25

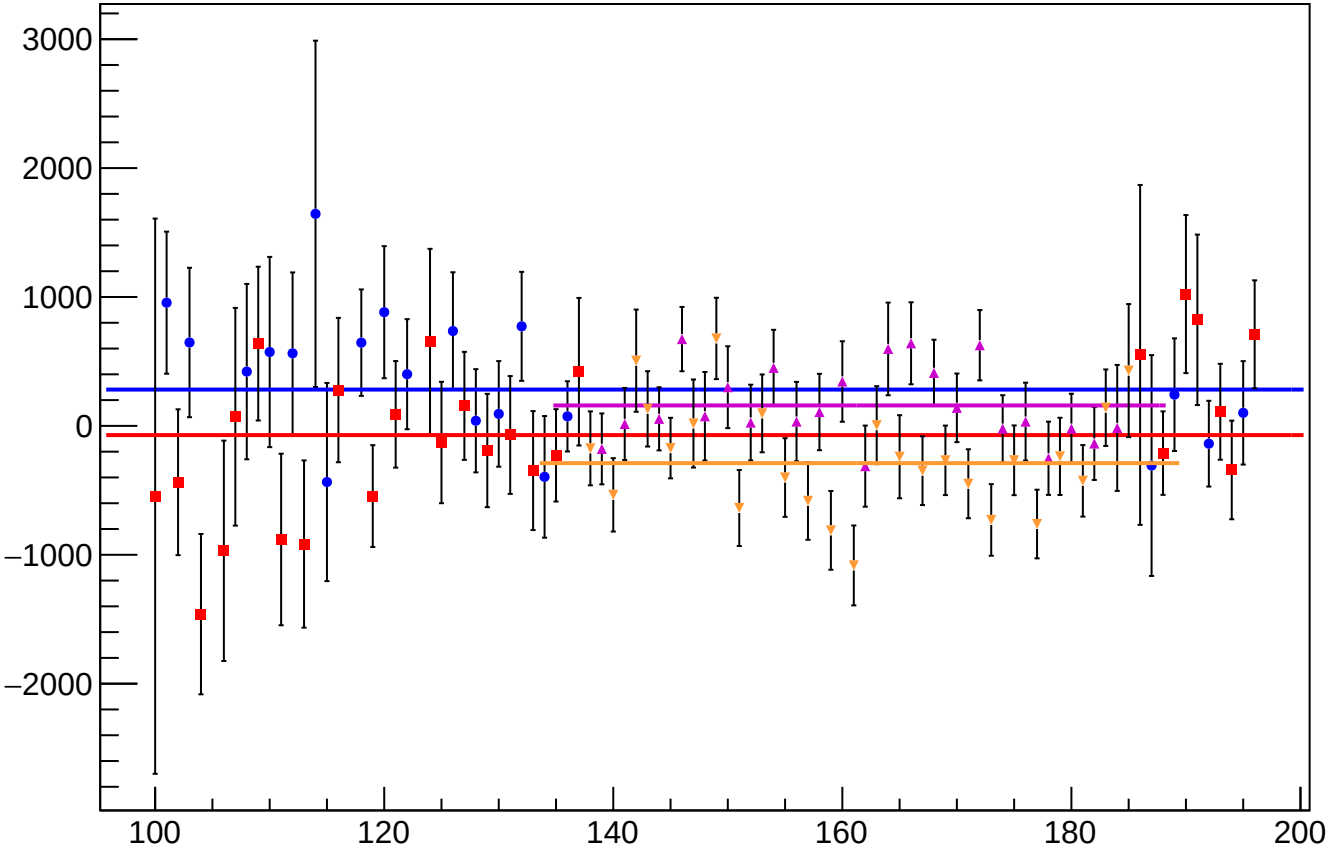
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232961.7/44

All: 2215.468+/-0.217 χ^2/NDF: 14437799.0/9

- sign 2256.009+/-0.313 χ^2/NDF: 8172278.2/48

eigen_cor_asym_sam2_mean vs Slug



Right In: 281.803+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.304+/-98.041 χ^2/NDF: 25.5/25

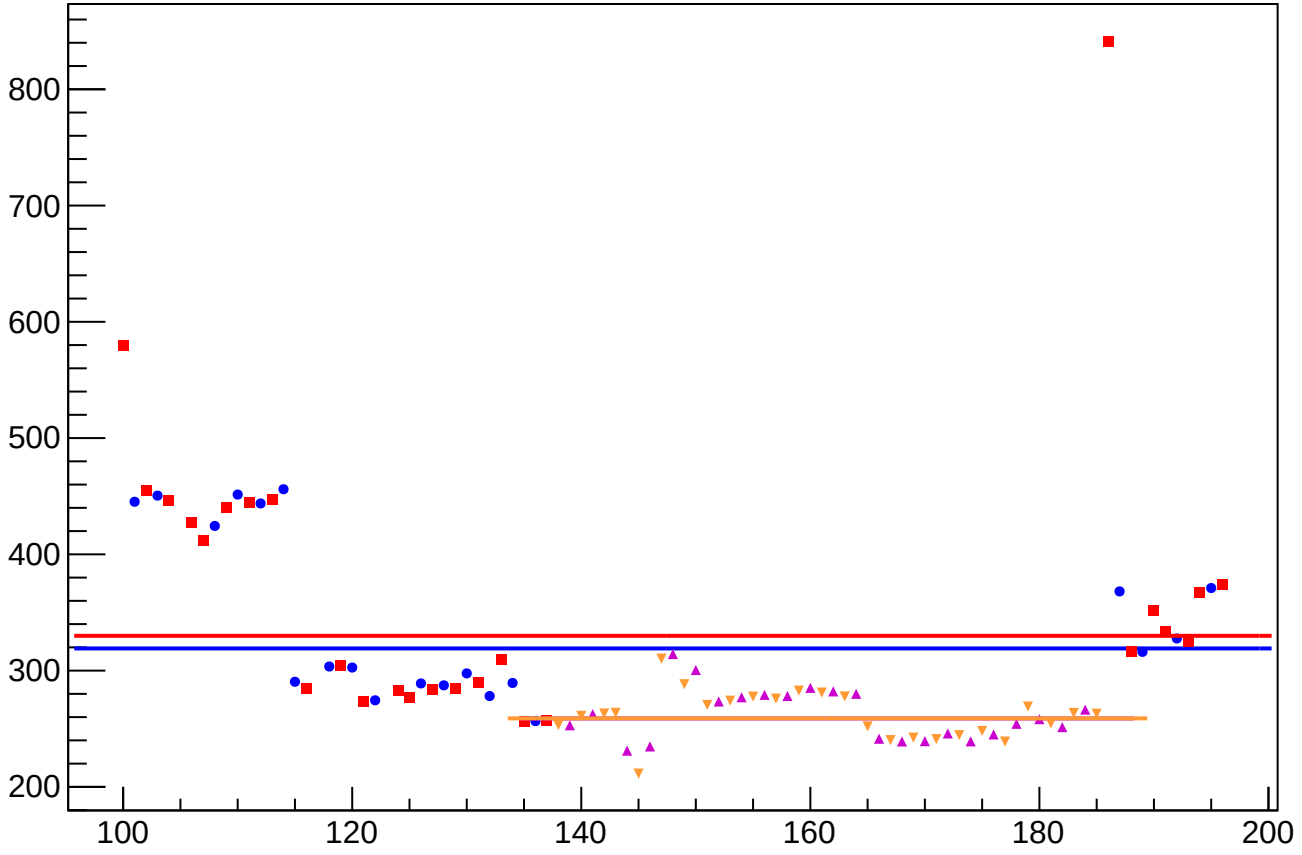
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -149.663+/-51.329 χ^2/NDF: 79.5/44

All: -28.062+/-36.396 χ^2/NDF: 142.7/93

- sign 94.891+/-51.614 χ^2/NDF: 52.0/48

eigen_cor_asym_sam2_rms vs Slug



Right In: 319.064+/-0.073 χ^2/NDF: 649496.5/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

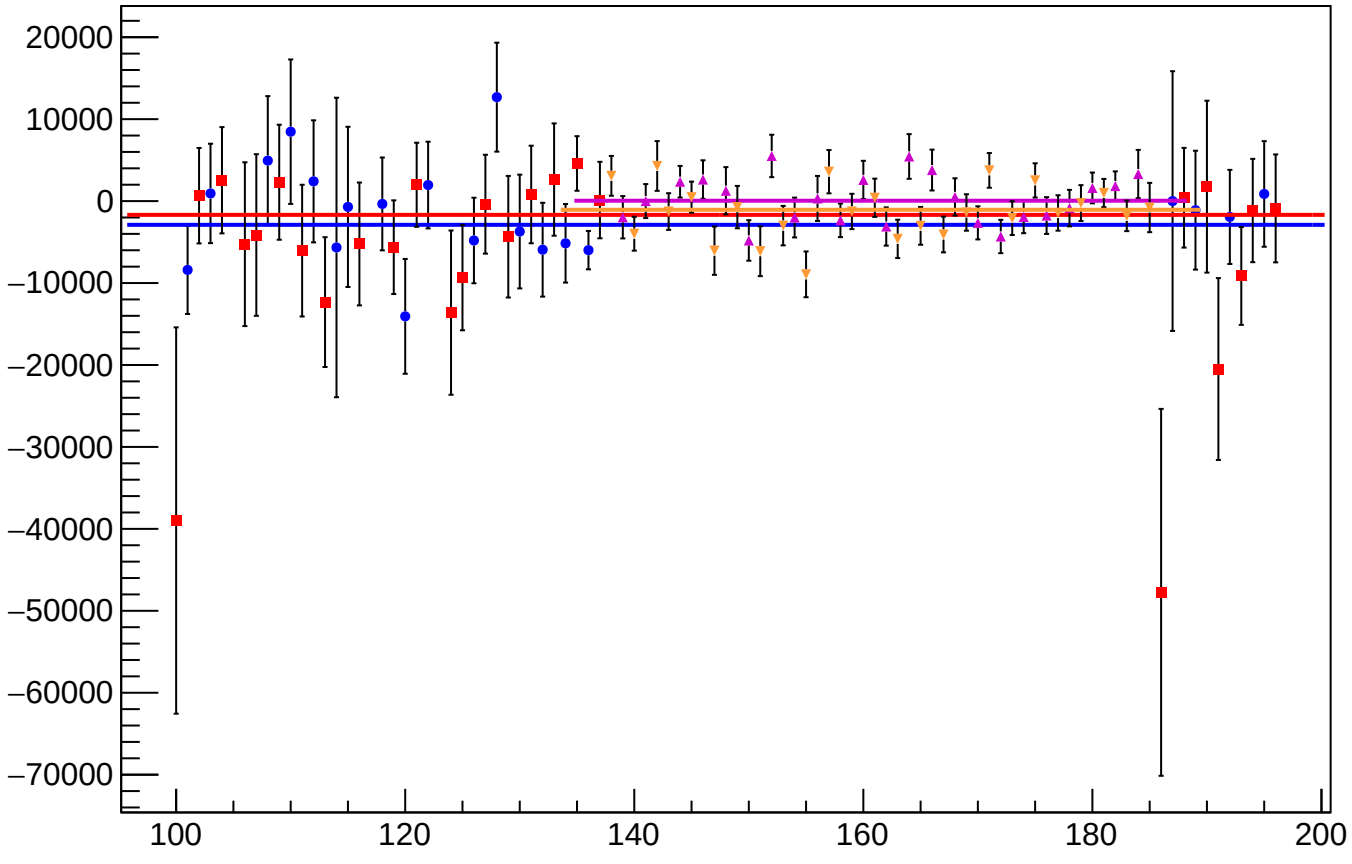
Right Out: 329.922+/-0.069 χ^2/NDF: 1056291.4/25

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404912.7/44

All: 276.053+/-0.026 χ^2/NDF: 3475296.1/93

- sign 278.543+/-0.036 χ^2/NDF: 2061124.8/48



Right In: -2895.276+/-1266.934 χ^2/NDF: 16.6/19

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1680.235+/-1289.641 χ^2/NDF: 23.1/25

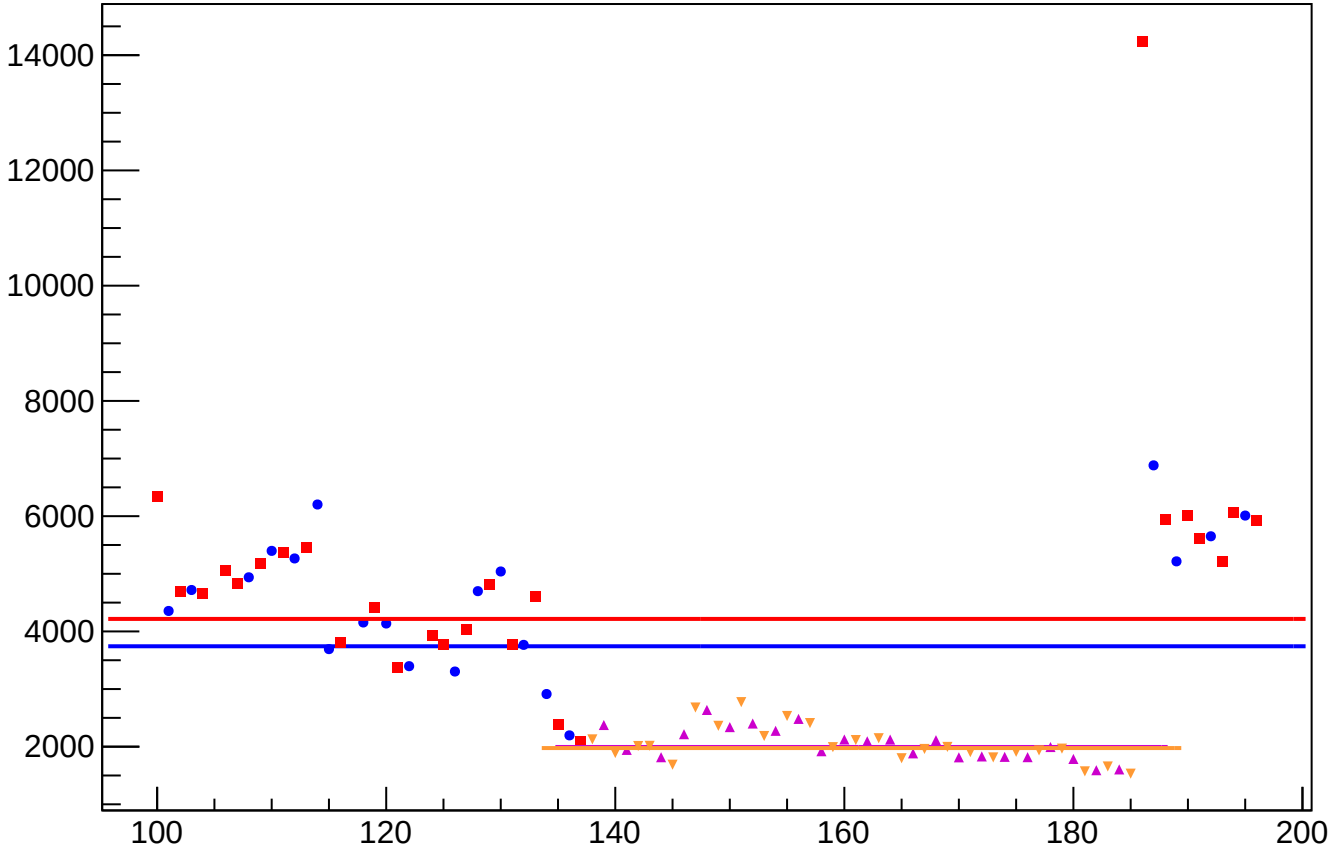
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1268.704+/-427.932 χ^2/NDF: 60.0/44

All: -731.707+/-307.504 χ^2/NDF: 122.1/93

- sign -158.385+/-442.169 χ^2/NDF: 58.8/48

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3742.399+/-0.896 χ^2/NDF: 2025292.9/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4217.120+/-0.912 χ^2/NDF: 2331346.7/25

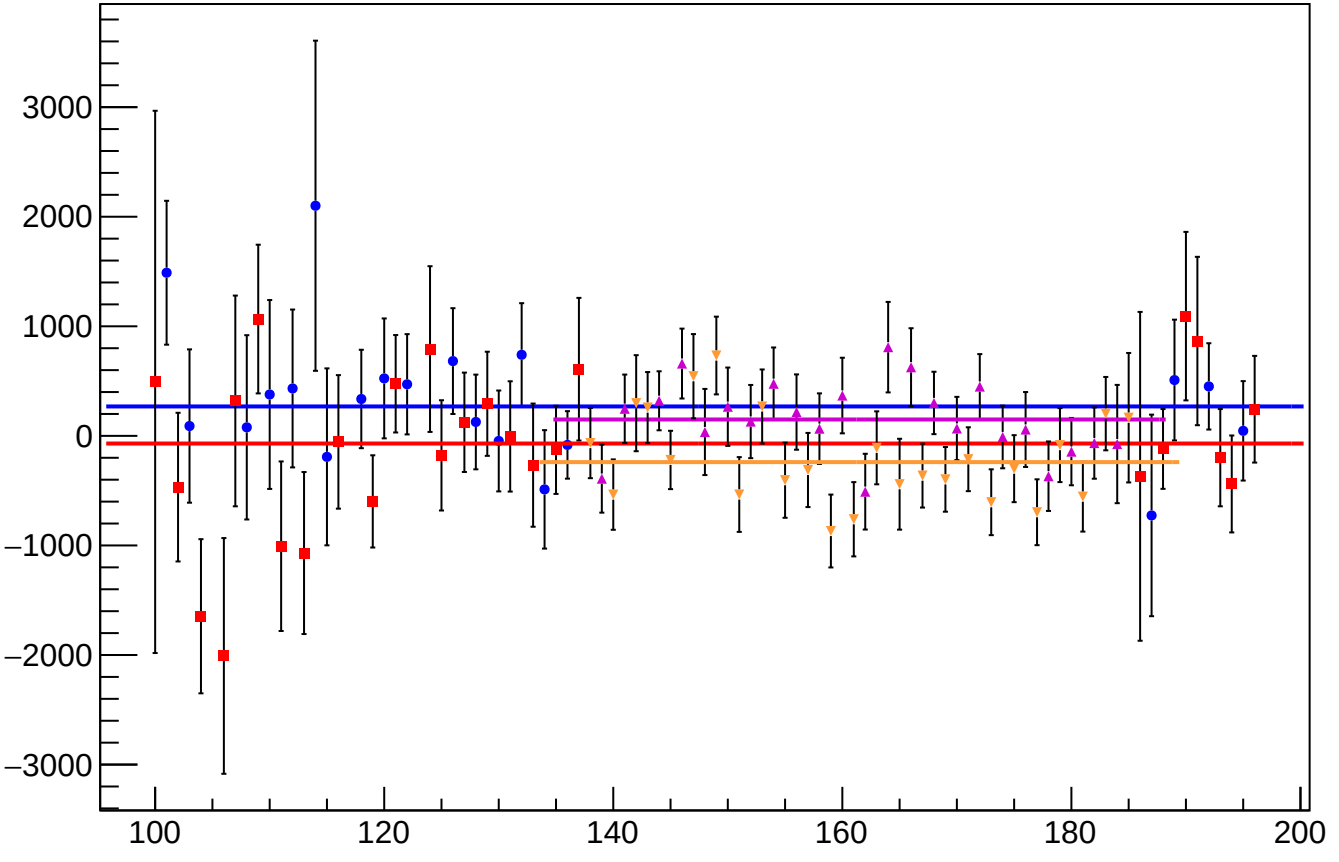
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232961.7/44

All: 2215.468+/-0.217 χ^2/NDF: 14437799.0/9

- sign 2256.009+/-0.313 χ^2/NDF: 8172278.2/48

dit_asym_sam2_mean vs Slug



Right In: 268.581+/-117.278 χ^2/NDF: 13.3/19

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -69.838+/-110.565 χ^2/NDF: 26.4/25

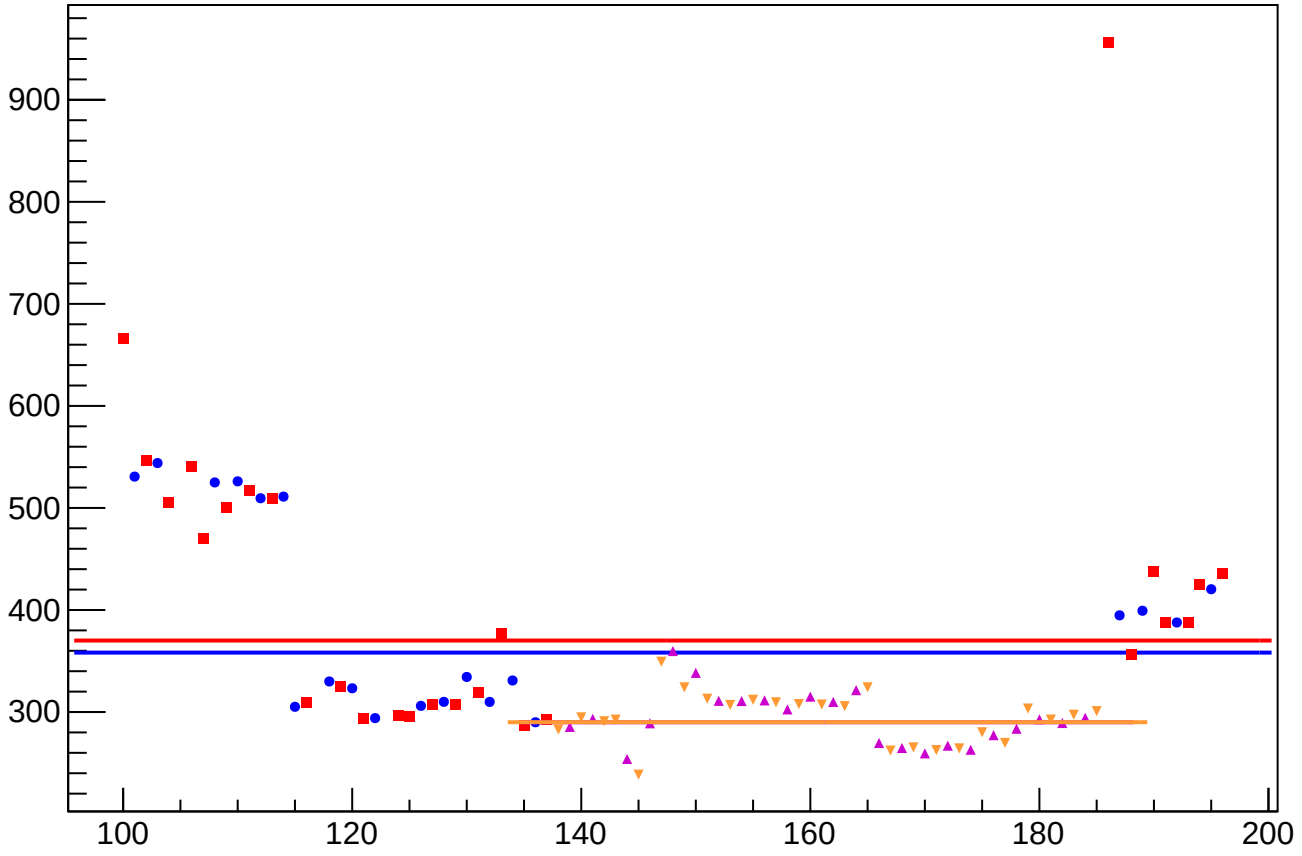
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -116.859+/-57.628 χ^2/NDF: 61.5/44

All: -14.573+/-40.887 χ^2/NDF: 118.8/93

- sign 89.111+/-58.021 χ^2/NDF: 50.9/48

dit_asym_sam2_rms vs Slug



Right In: 358.228+/-0.083 χ^2/NDF: 847490.7/19

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 370.065+/-0.078 χ^2/NDF: 1292941.7/25

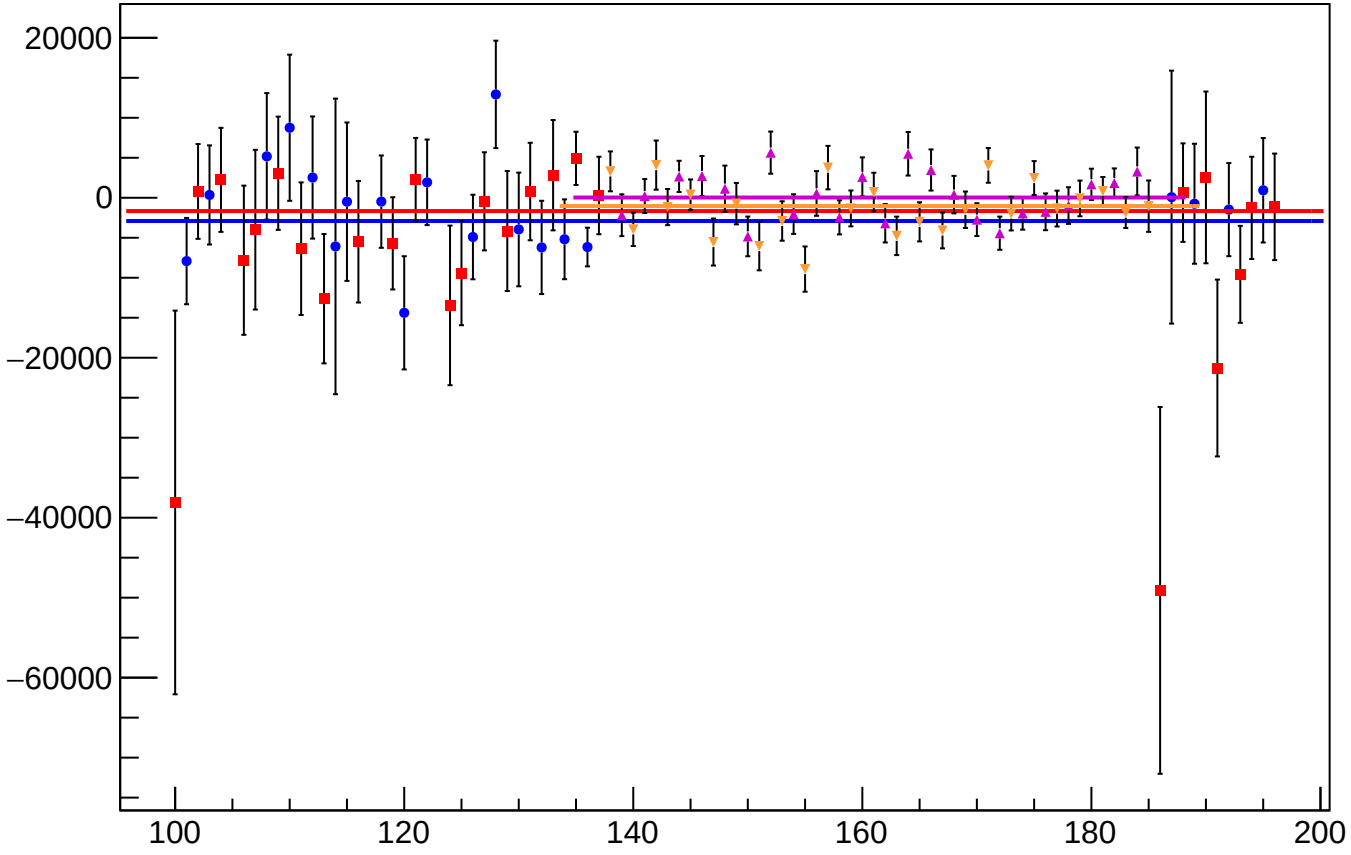
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 306.491+/-0.041 χ^2/NDF: 1641246.6/44

All: 309.229+/-0.029 χ^2/NDF: 3974017.2/93

- sign 312.005+/-0.041 χ^2/NDF: 2323677.2/48

asym_sam2_dit_correction_mean vs Slug



Right In: -2908.824+/-1294.542 χ^2/NDF: 16.6/19

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1661.803+/-1304.055 χ^2/NDF: 24.3/25

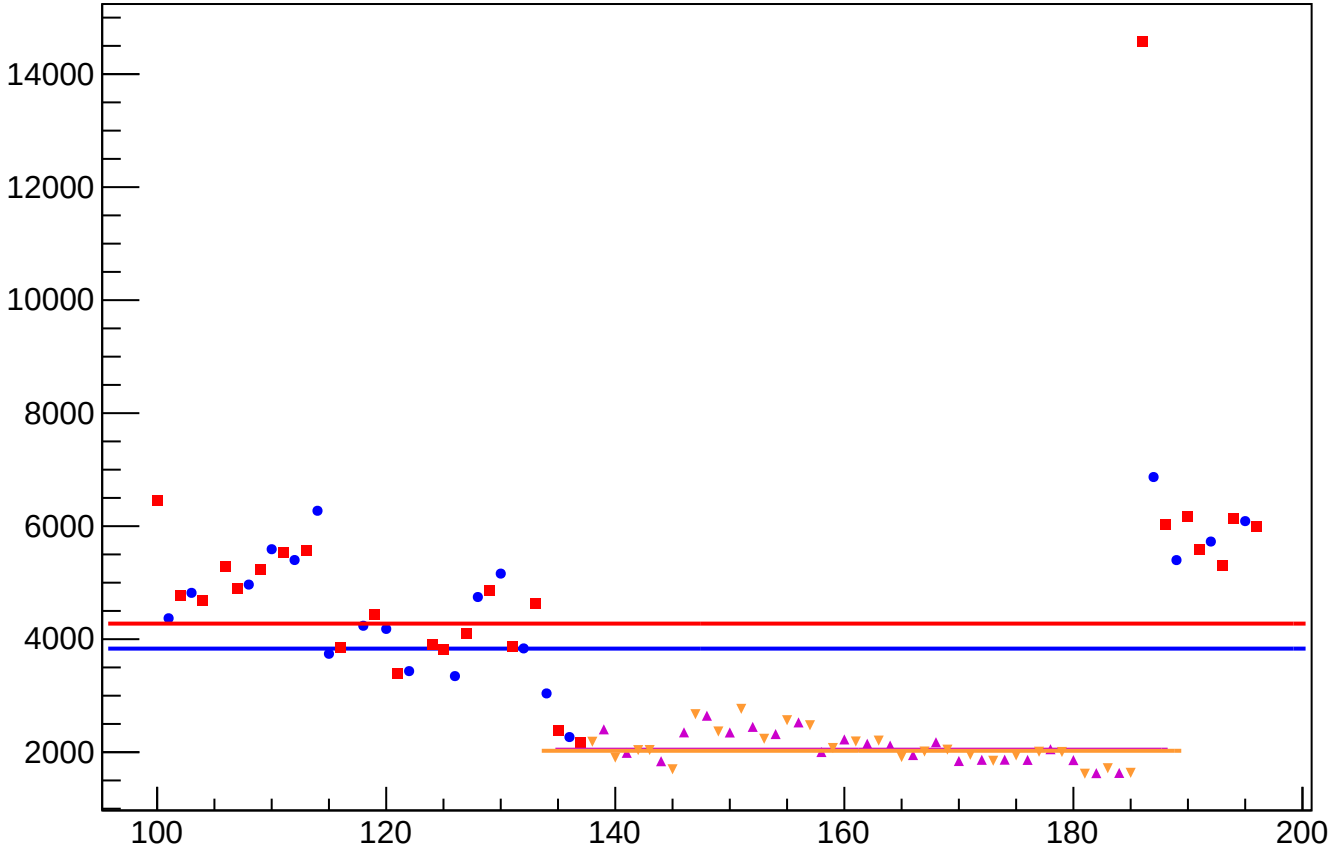
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1250.814+/-437.894 χ^2/NDF: 58.8/44

All: -729.491+/-314.620 χ^2/NDF: 121.6/93

- sign -173.209+/-452.337 χ^2/NDF: 59.9/48

asym_sam2_dit_correction_rms vs Slug



Right In: 3833.151+/-0.915 χ^2/NDF: 1955211.9/19

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

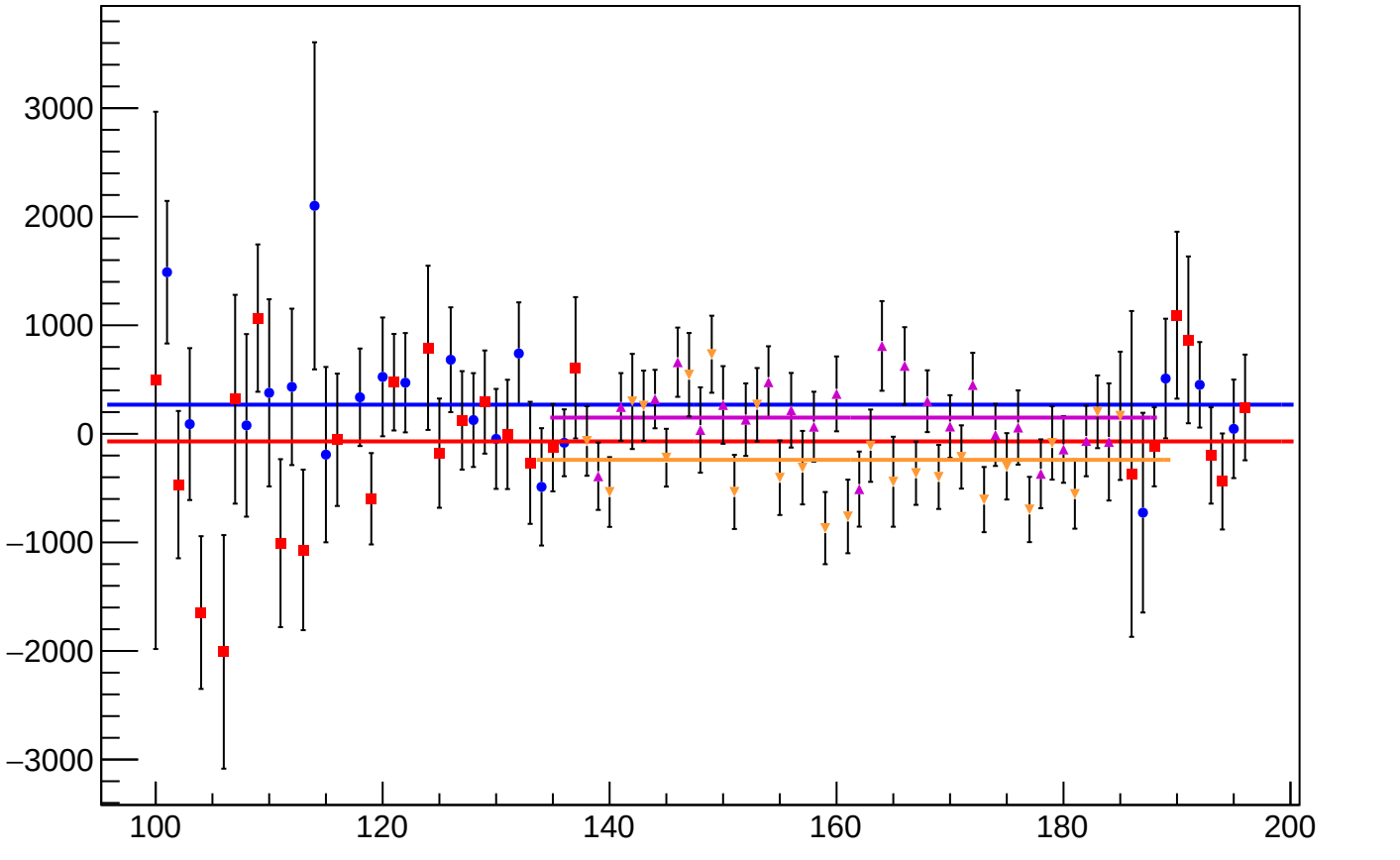
Right Out: 4275.643+/-0.922 χ^2/NDF: 2350535.9/25

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2231.966+/-0.310 χ^2/NDF: 6111080.5/44

All: 2271.153+/-0.222 χ^2/NDF: 14229671.4/9

- sign 2312.968+/-0.320 χ^2/NDF: 8085482.9/48



Right In: 268.584+/-117.278 χ^2/NDF: 13.3/19

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -69.838+/-110.565 χ^2/NDF: 26.4/25

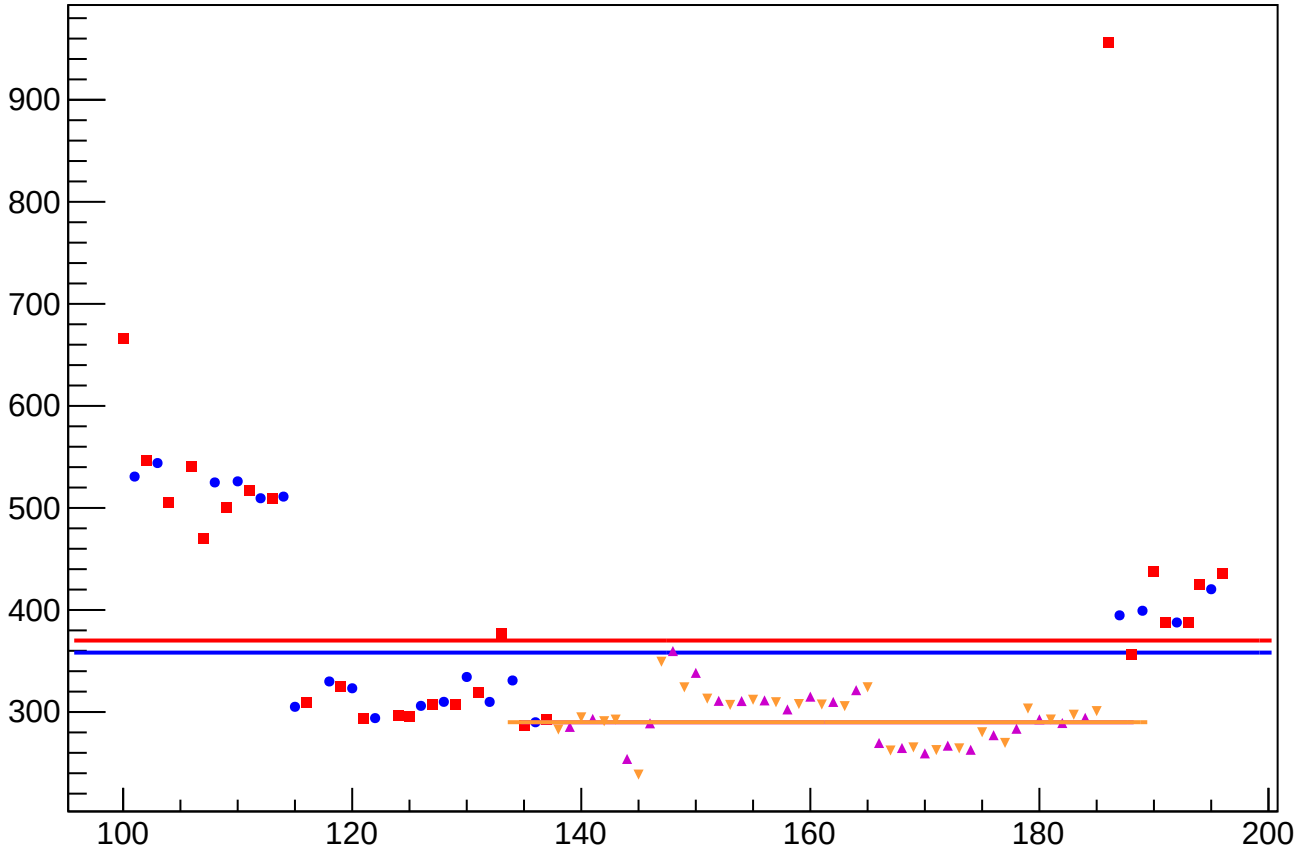
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -116.860+/-57.628 χ^2/NDF: 61.5/44

All: -14.574+/-40.887 χ^2/NDF: 118.8/93

- sign 89.112+/-58.021 χ^2/NDF: 50.9/48

eigen_dit_asym_sam2_rms vs Slug



Right In: 358.226+/-0.083 χ^2/NDF: 847489.2/19

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 370.064+/-0.078 χ^2/NDF: 1292932.4/25

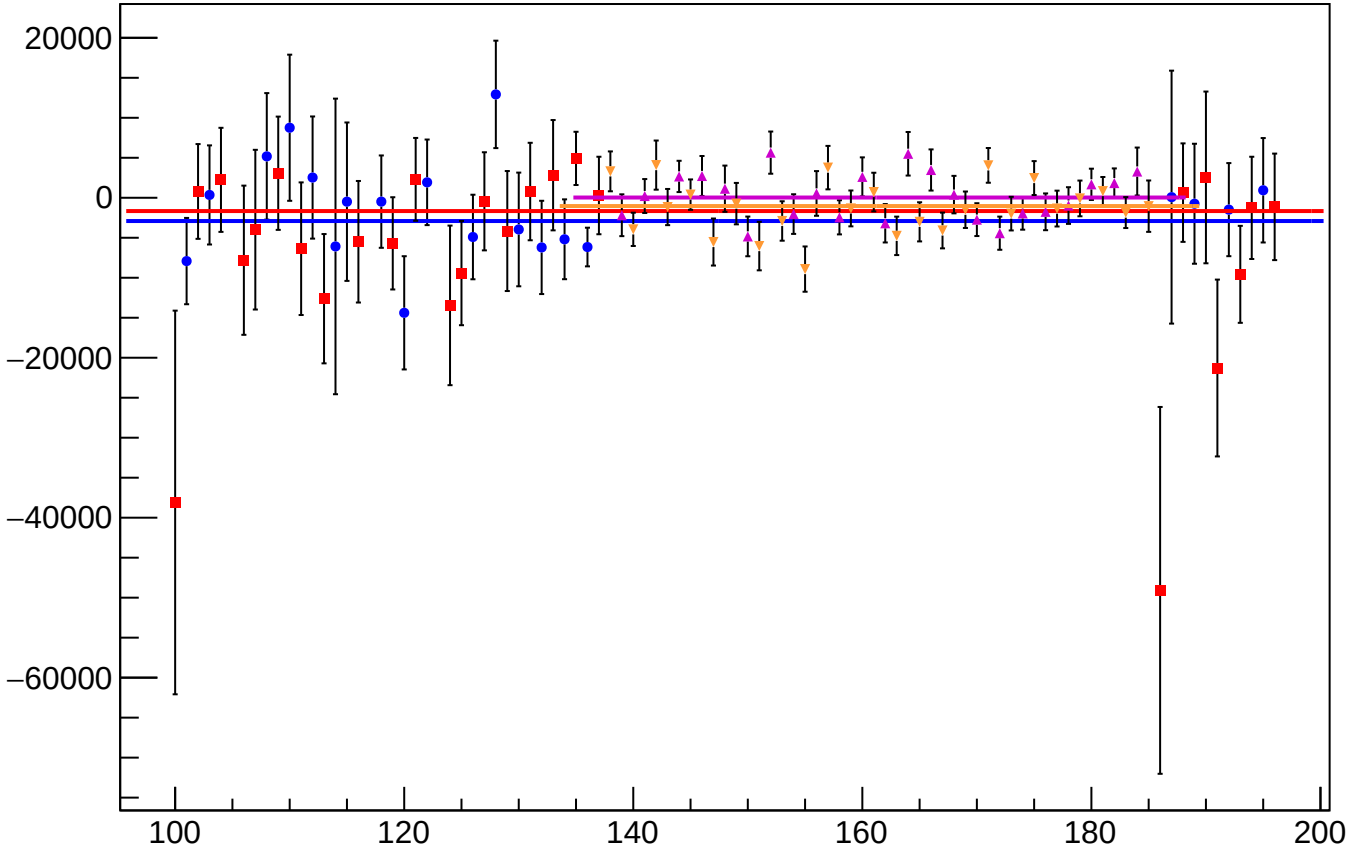
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 306.491+/-0.041 χ^2/NDF: 1641228.8/44

All: 309.229+/-0.029 χ^2/NDF: 3973978.8/93

- sign 312.005+/-0.041 χ^2/NDF: 2323656.3/48

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -2908.817+/-1294.540 χ^2/NDF: 16.6/19

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1661.805+/-1304.054 χ^2/NDF: 24.3/25

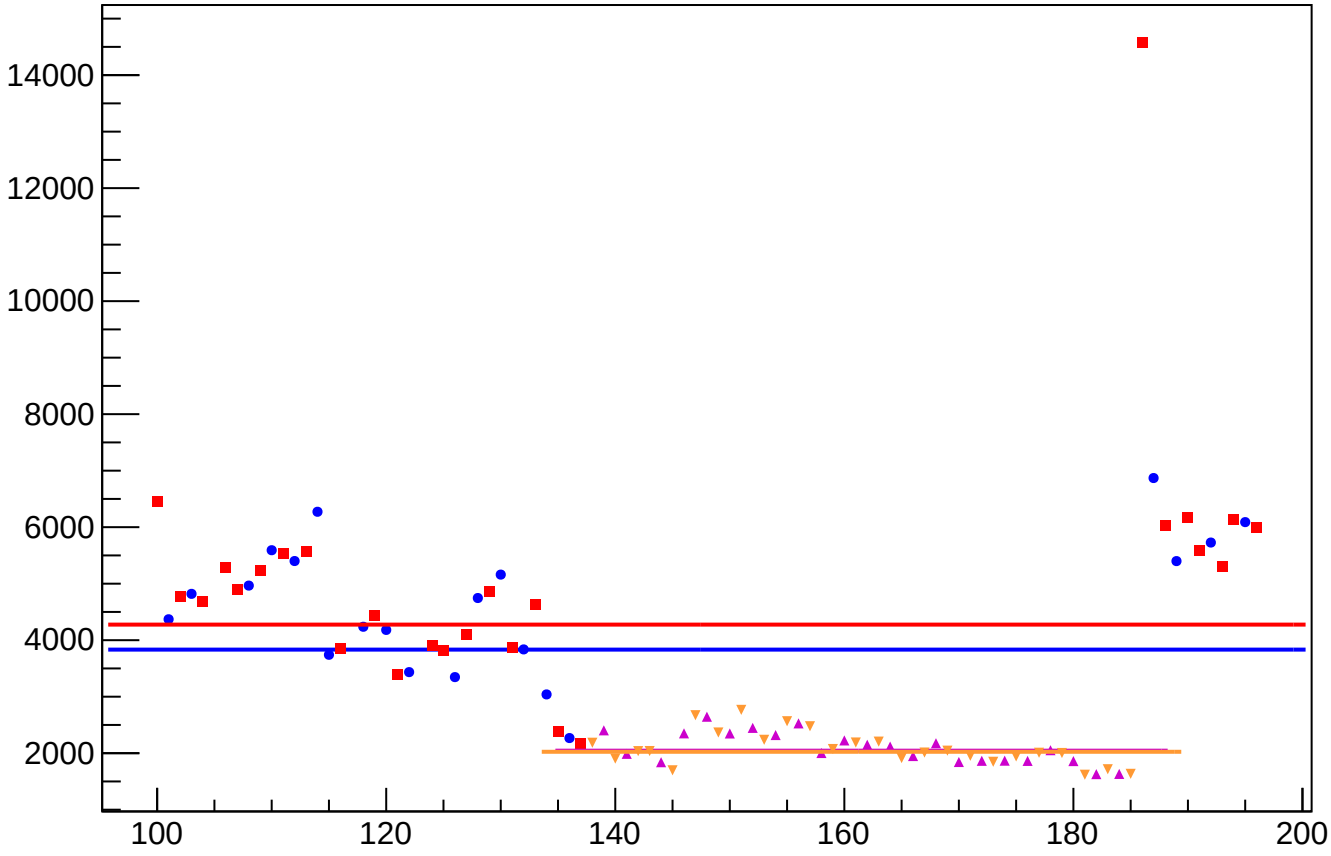
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1250.814+/-437.894 χ^2/NDF: 58.8/44

All: -729.491+/-314.620 χ^2/NDF: 121.6/93

- sign -173.211+/-452.337 χ^2/NDF: 59.9/48

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3833.148+/-0.915 χ^2/NDF: 1955200.9/19

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4275.639+/-0.922 χ^2/NDF: 2350530.3/25

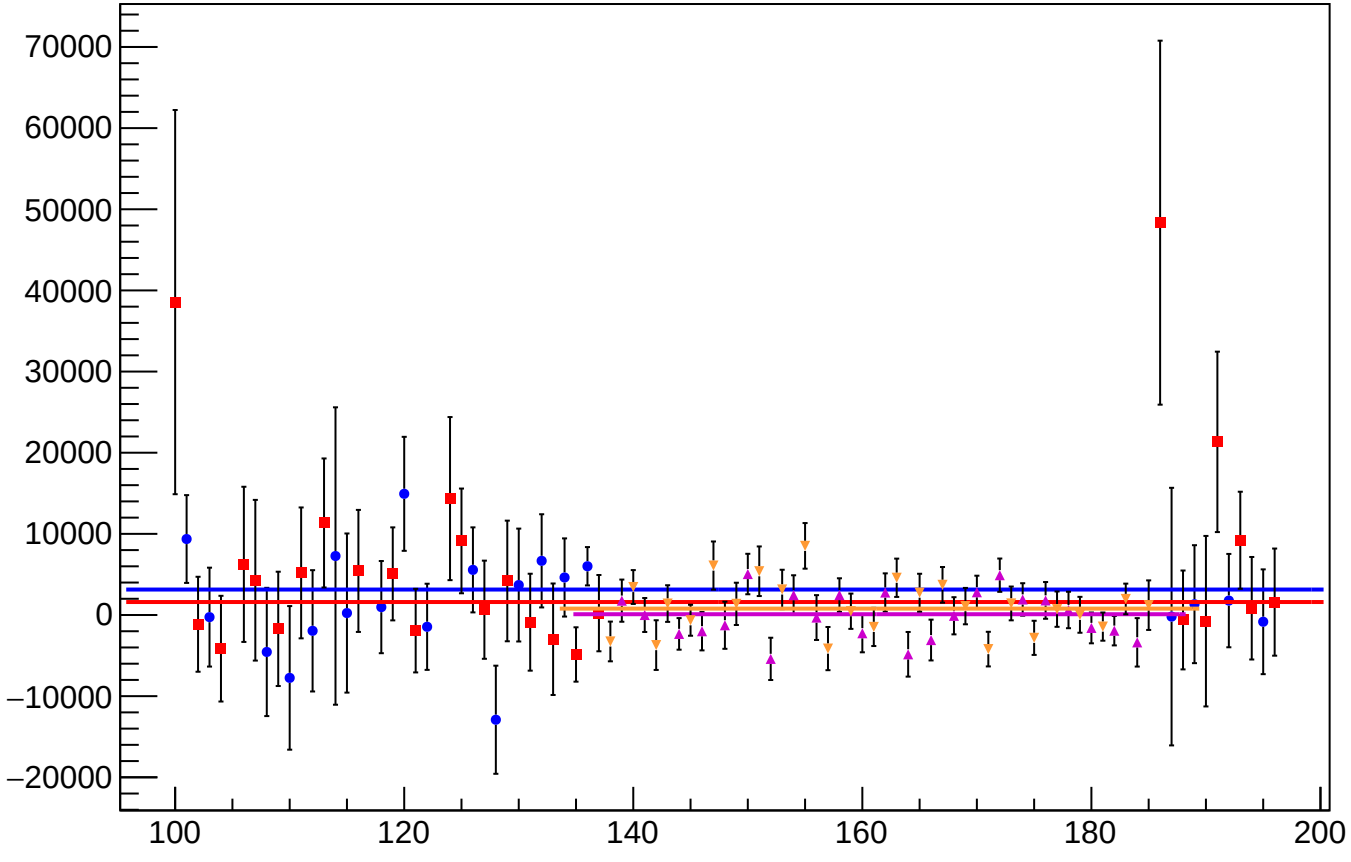
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2231.966+/-0.310 χ^2/NDF: 6111065.8/44

All: 2271.153+/-0.222 χ^2/NDF: 14229645.4/9

- sign 2312.968+/-0.320 χ^2/NDF: 8085472.0/48

asym_sam2_mean vs Slug



Right In: 3138.183+/-1272.583 χ^2/NDF: 16.9/19

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1599.860+/-1293.241 χ^2/NDF: 23.6/25

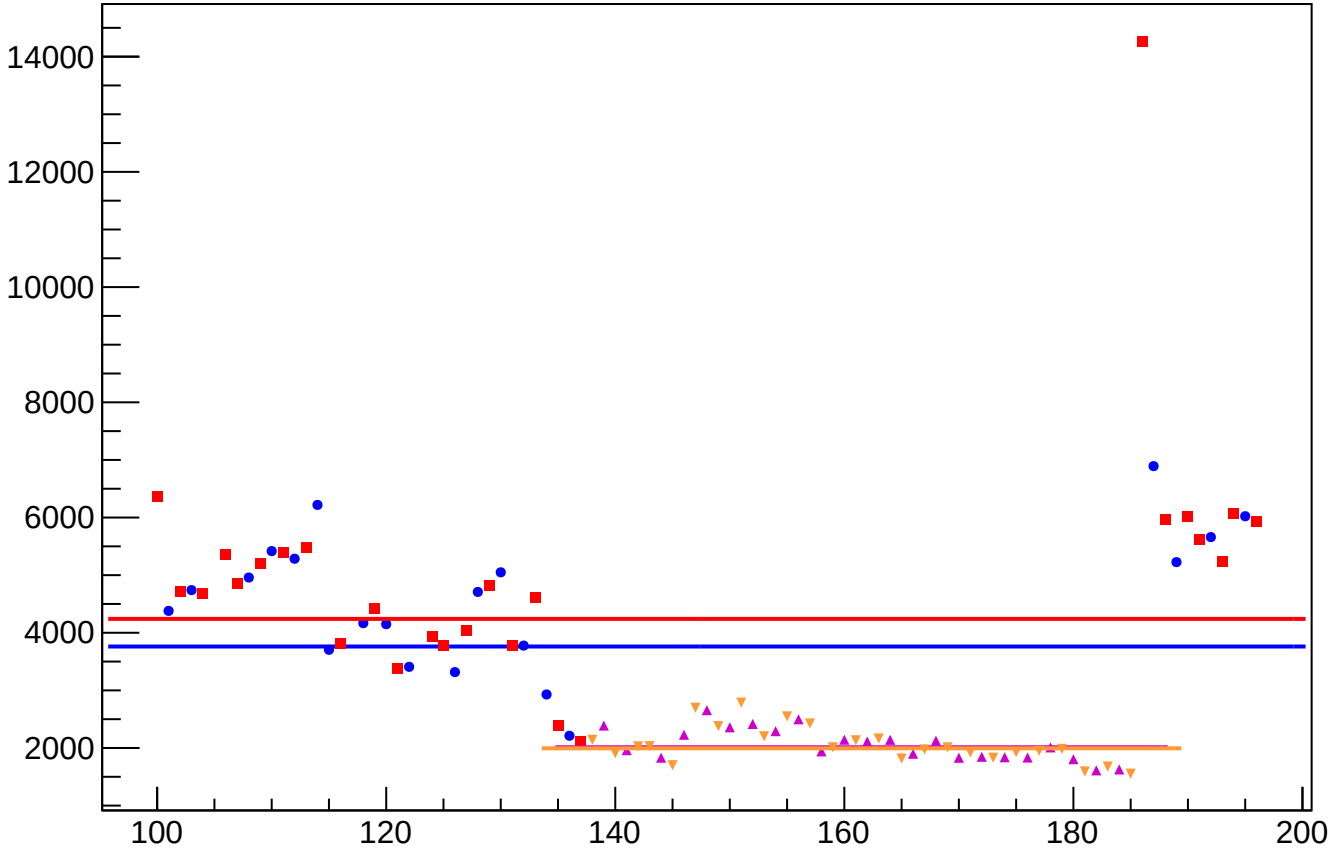
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1058.544+/-431.545 χ^2/NDF: 61.3/44

All: 679.579+/-310.042 χ^2/NDF: 120.5/93

- sign 275.290+/-445.731 χ^2/NDF: 57.6/48

asym_sam2_rms vs Slug



Right In: 3761.488+/-0.900 χ^2/NDF: 2004394.1/19

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

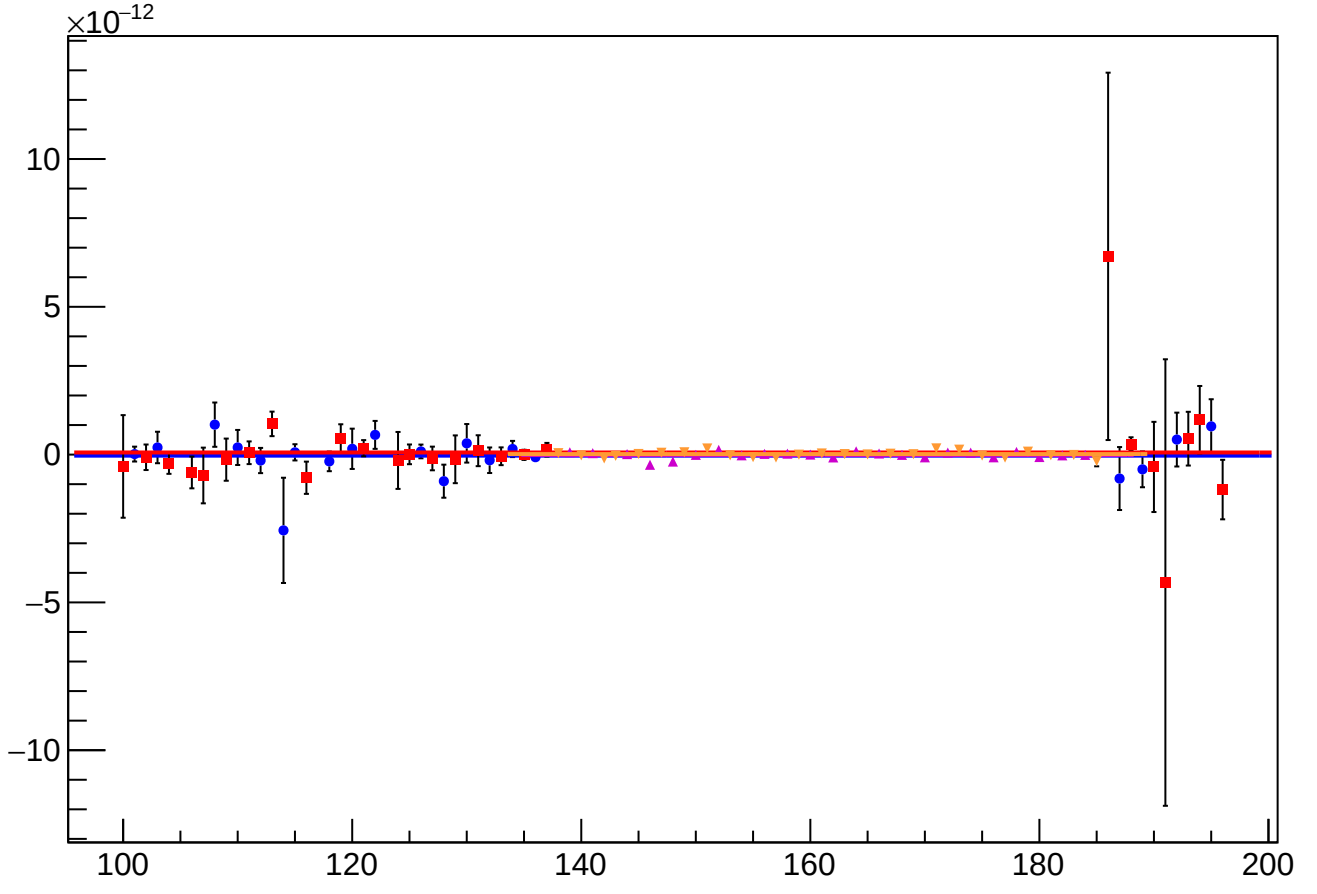
Right Out: 4240.856+/-0.914 χ^2/NDF: 2326404.1/25

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2197.470+/-0.305 χ^2/NDF: 6164355.6/44

All: 2236.133+/-0.219 χ^2/NDF: 14342916.9/9

- sign 2277.380+/-0.315 χ^2/NDF: 8145381.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

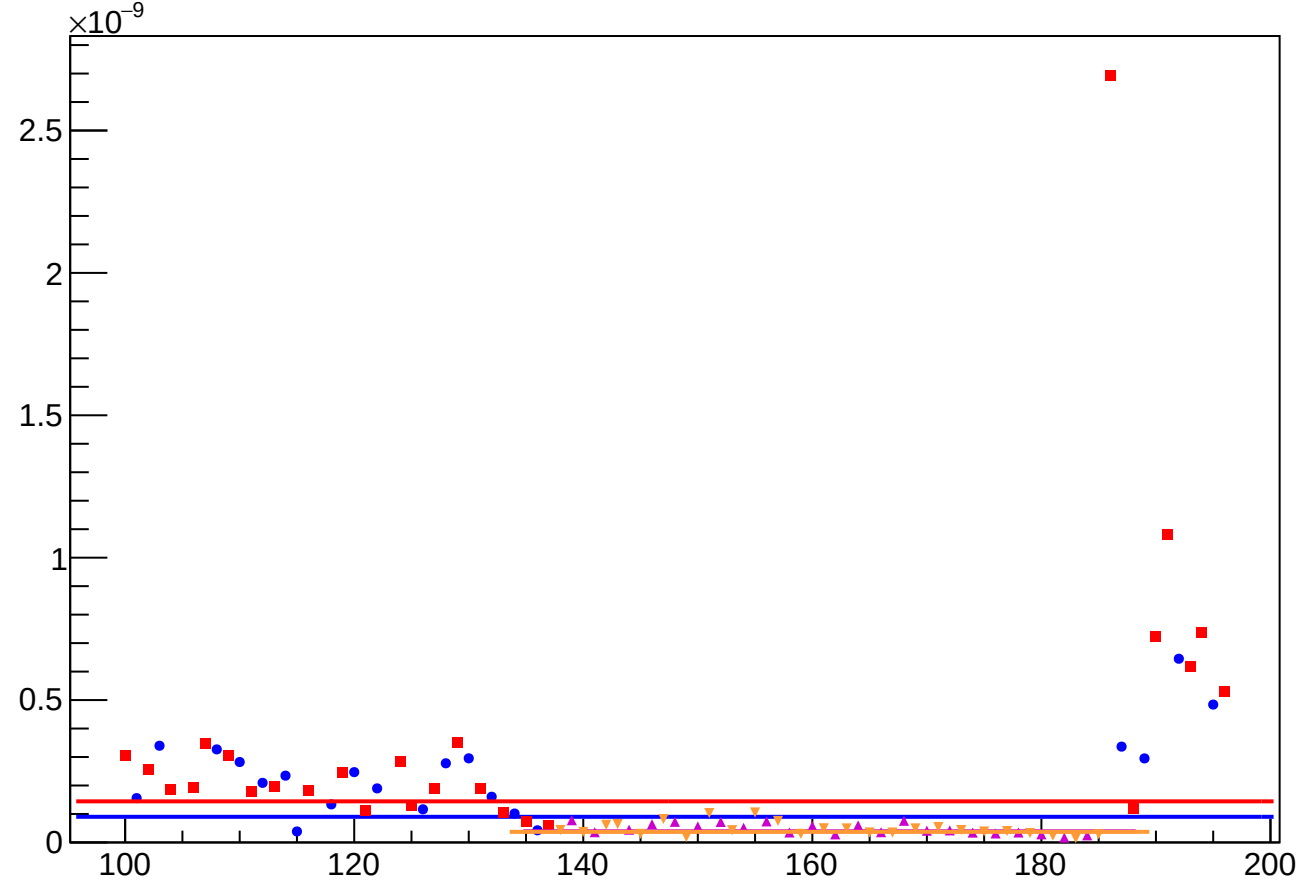
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/44

All: 0.000+/-0.000 χ^2/NDF: 89.3/93

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4177323.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3481712.1/25

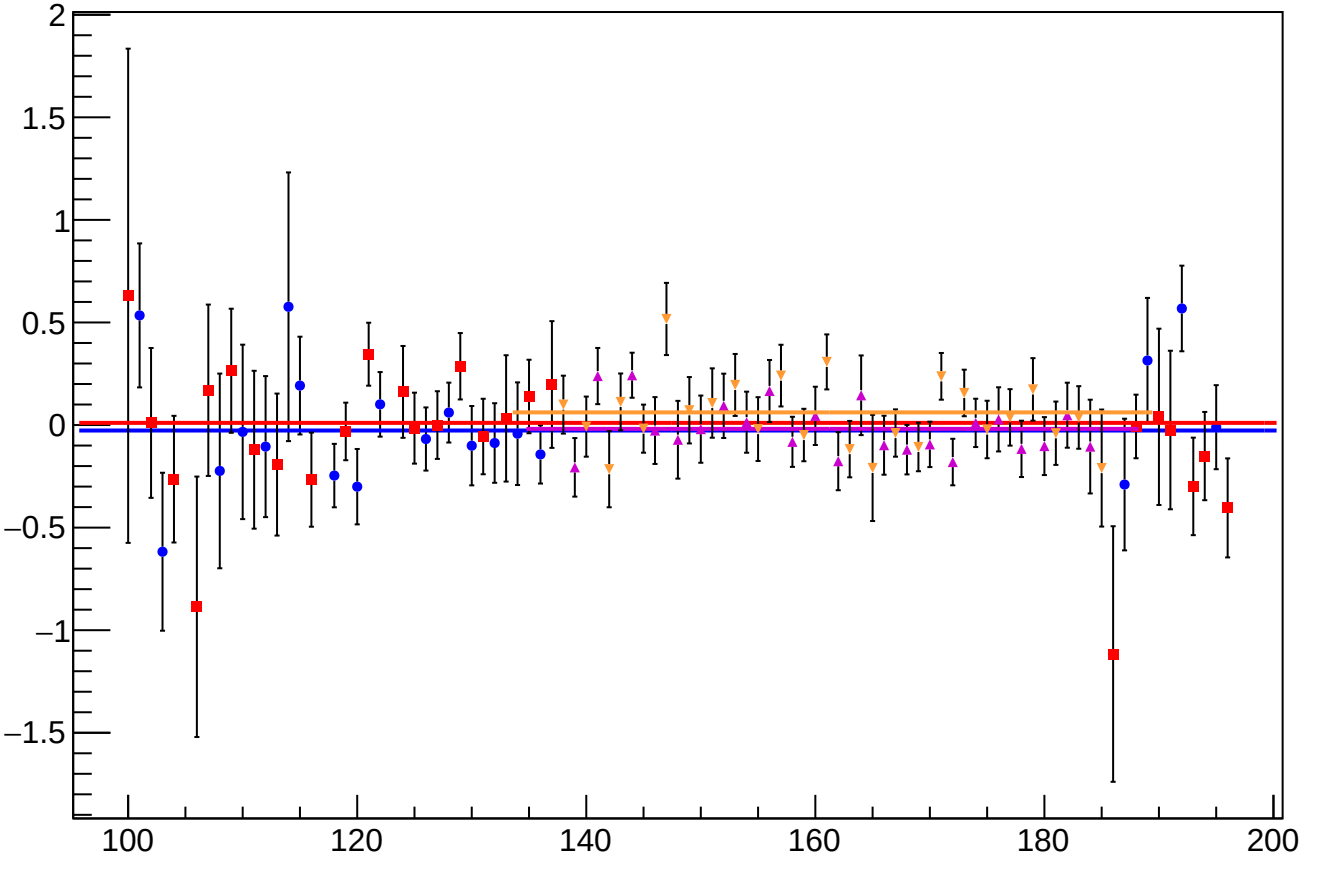
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7955094.8/44

All: 0.000+/-0.000 χ^2/NDF: 16807167.7/93

- sign 0.000+/-0.000 χ^2/NDF: 8815300.4/48

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

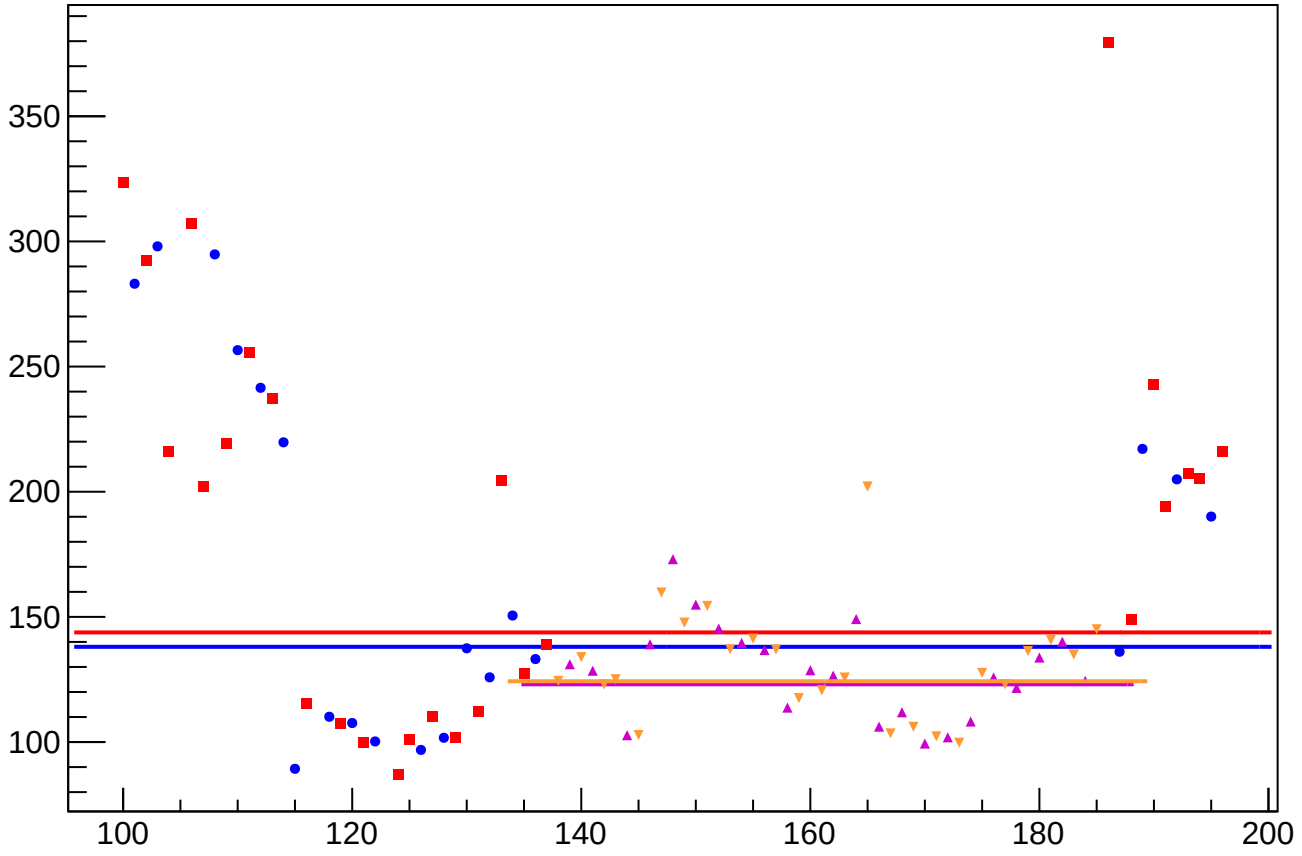
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.014+/-0.017 χ^2/NDF: 99.2/93

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 138.046+/-0.034 χ^2/NDF: 2343797.1/19

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

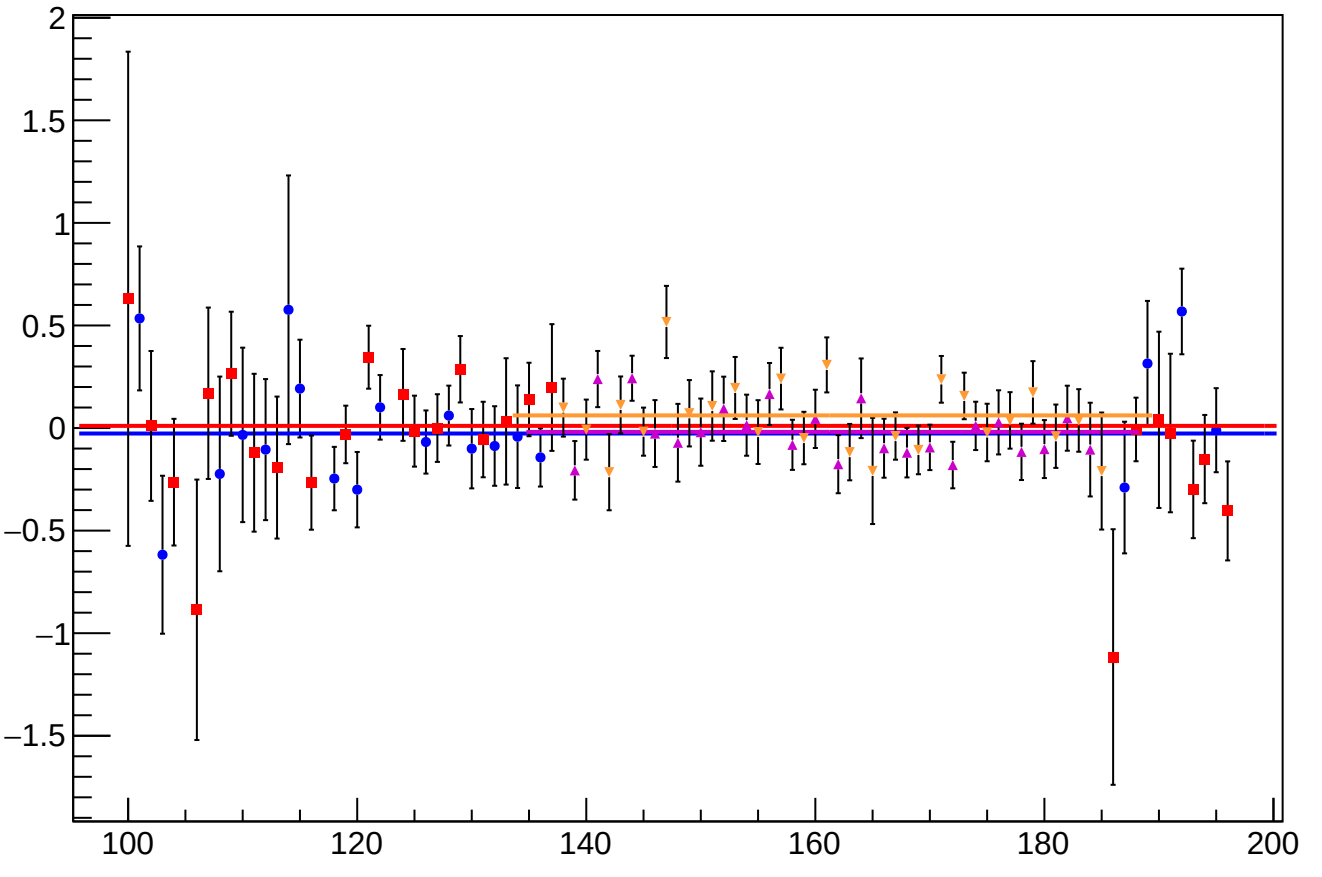
Right Out: 143.801+/-0.032 χ^2/NDF: 2960147.7/25

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

\+ sign 127.949+/-0.017 χ^2/NDF: 3307085.9/44

All: 128.571+/-0.012 χ^2/NDF: 7284311.8/93

\- sign 129.195+/-0.017 χ^2/NDF: 3974661.8/48



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

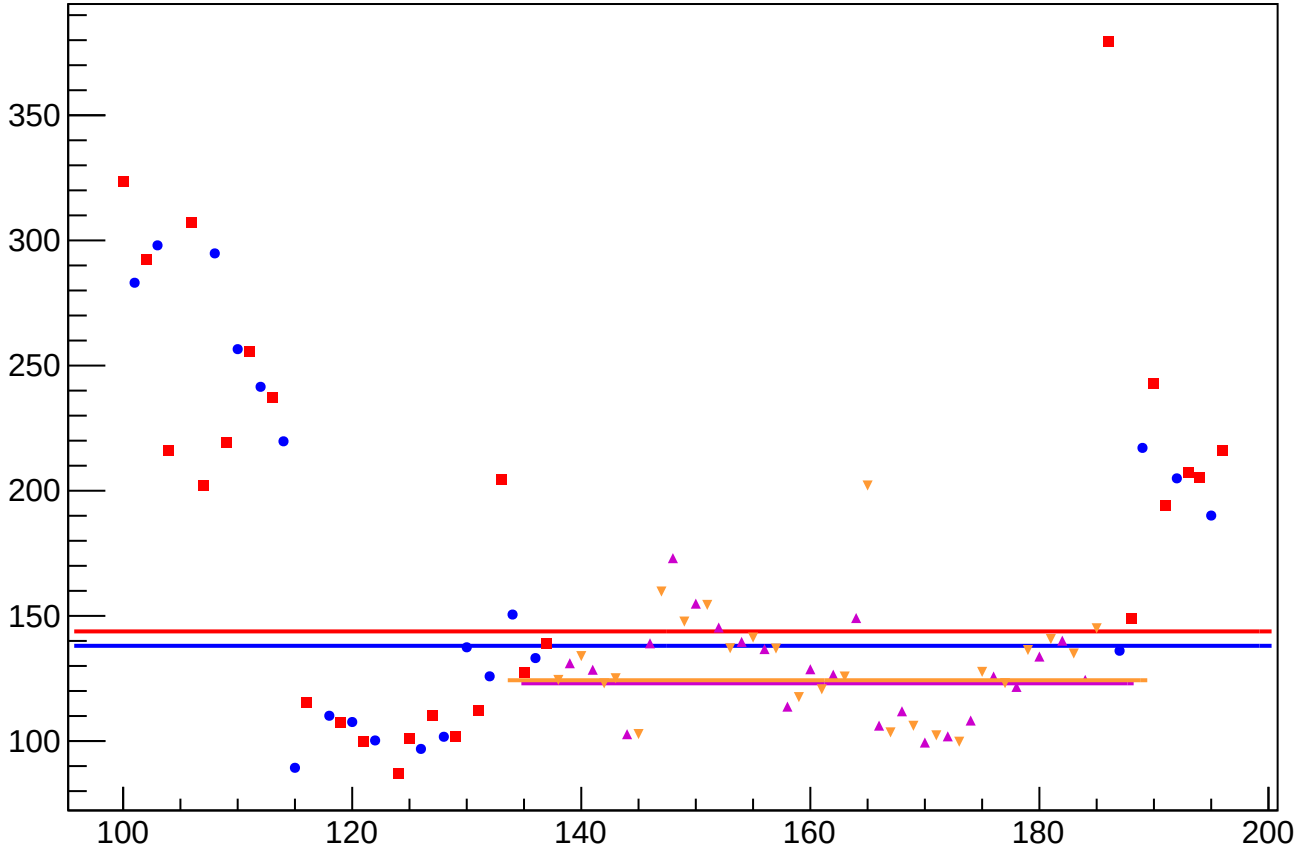
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.014+/-0.017 χ^2/NDF: 99.2/93

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 138.046+/-0.034 χ^2/NDF: 2343797.1/19

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

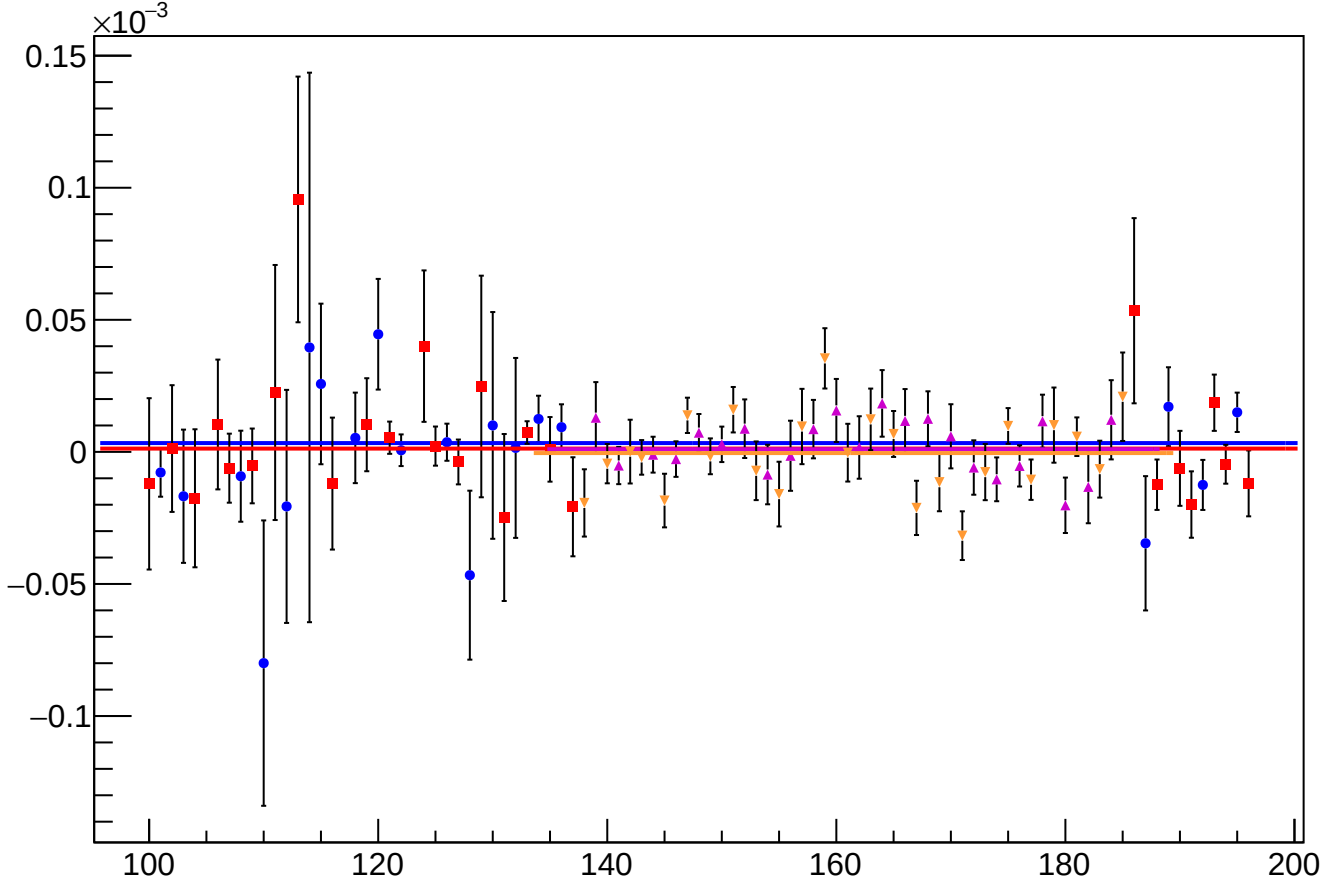
Right Out: 143.801+/-0.032 χ^2/NDF: 2960147.7/25

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307085.9/44

All: 128.571+/-0.012 χ^2/NDF: 7284311.8/93

- sign 129.195+/-0.017 χ^2/NDF: 3974661.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/25

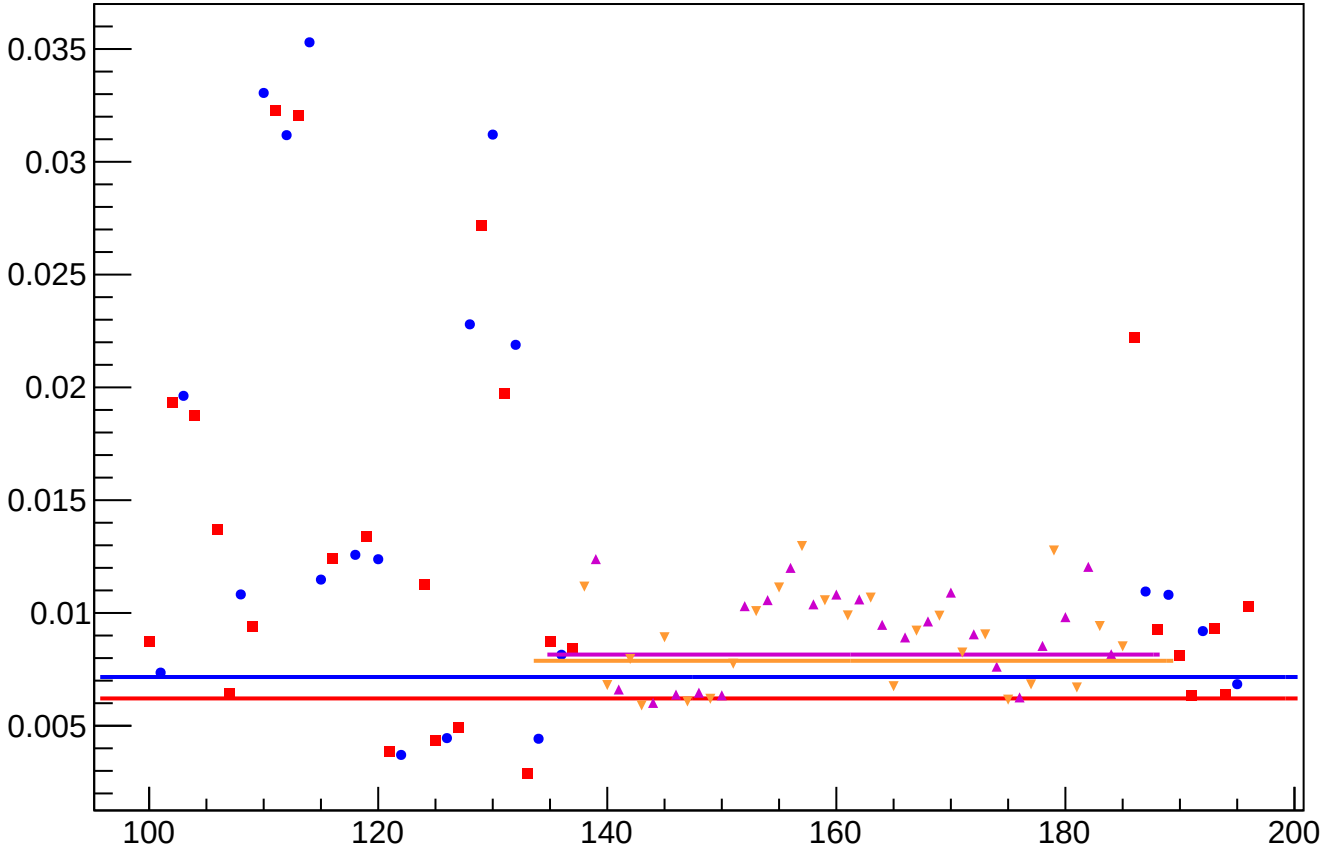
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.2/44

All: 0.000+/-0.000 χ^2/NDF: 121.3/93

- sign 0.000+/-0.000 χ^2/NDF: 45.1/48

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5061672.5/19

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

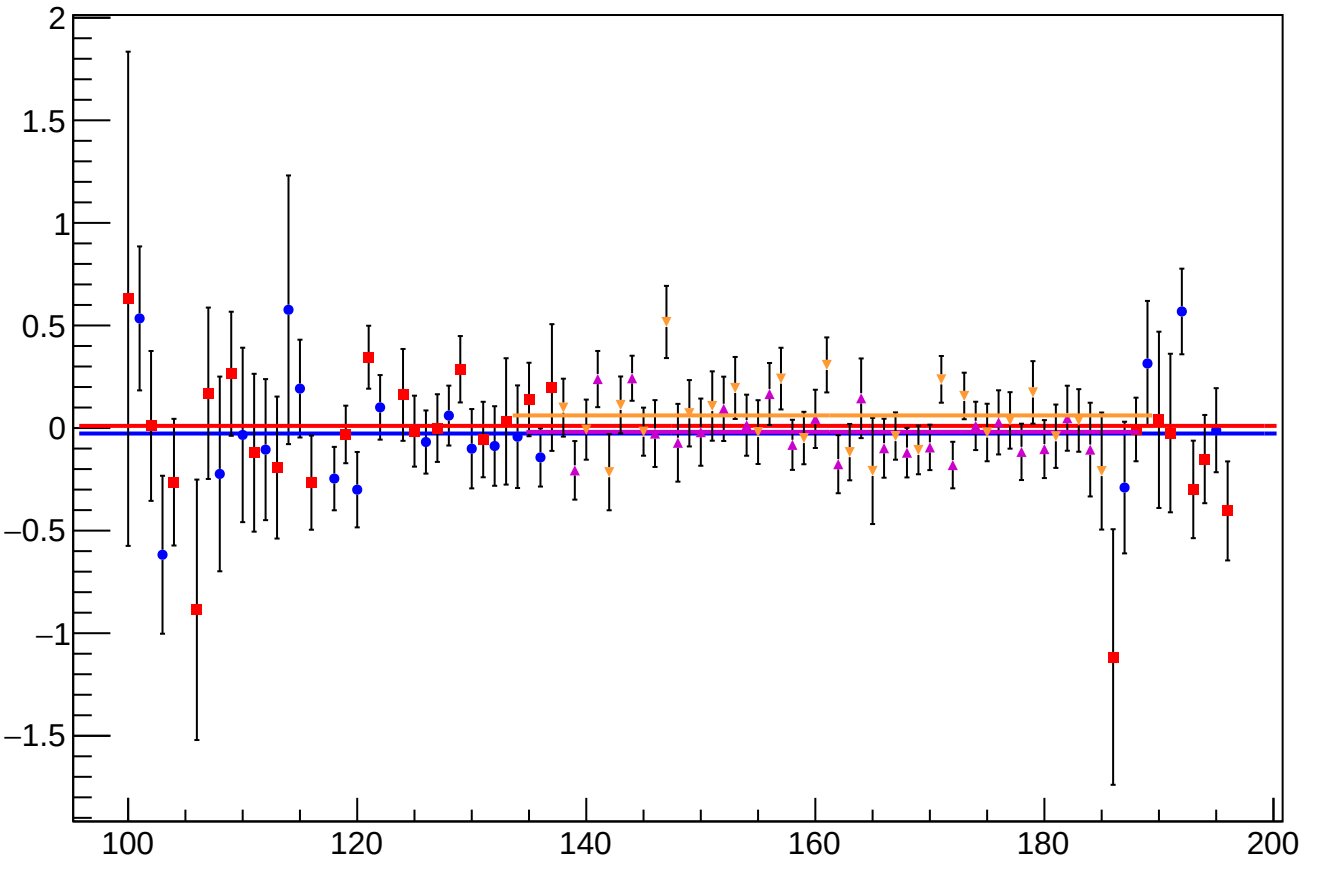
Right Out: 0.006+/-0.000 χ^2/NDF: 6791900.6/25

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7234277.7/44

All: 0.007+/-0.000 χ^2/NDF: 16961394.8/93

- sign 0.007+/-0.000 χ^2/NDF: 9668335.7/48



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

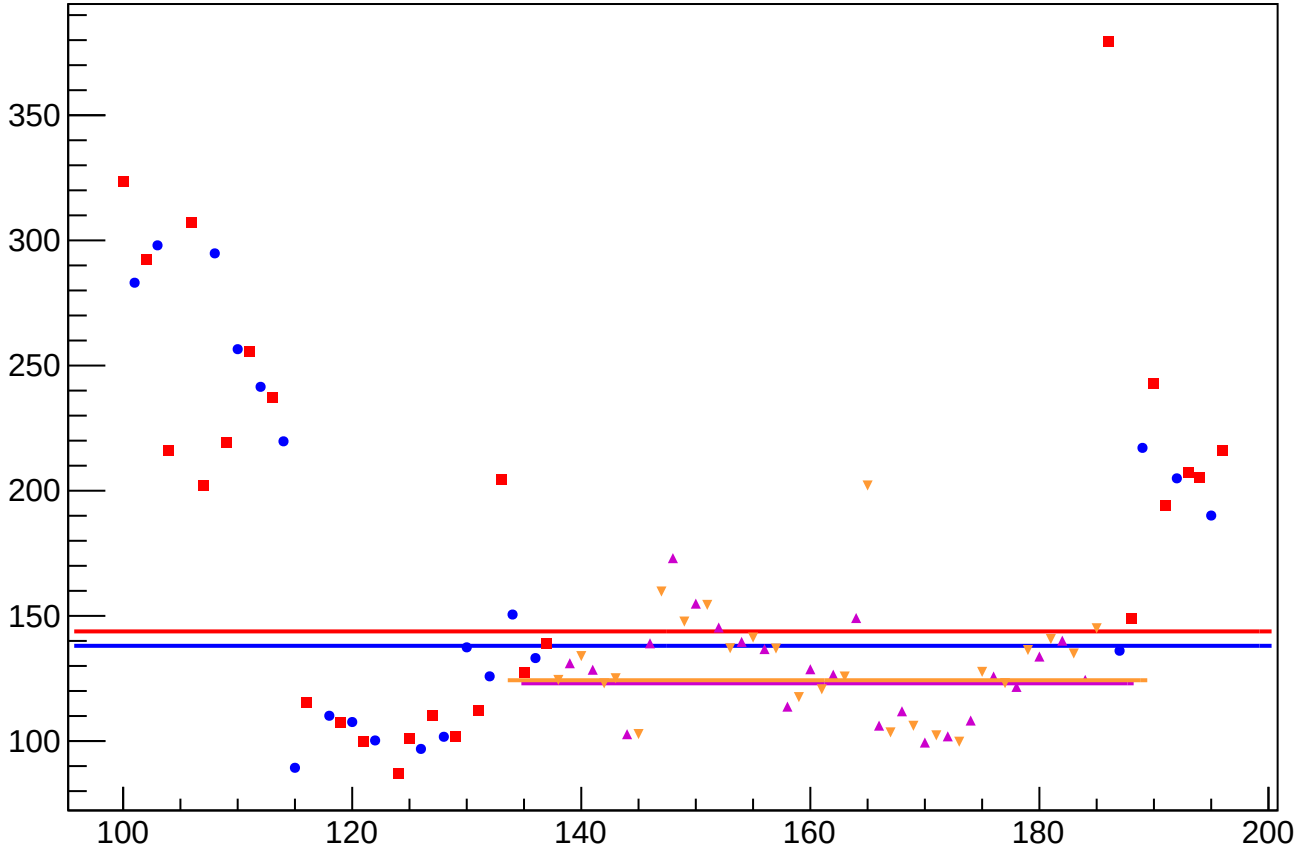
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.014+/-0.017 χ^2/NDF: 99.2/93

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 138.043+/-0.034 χ^2/NDF: 2343800.4/19

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

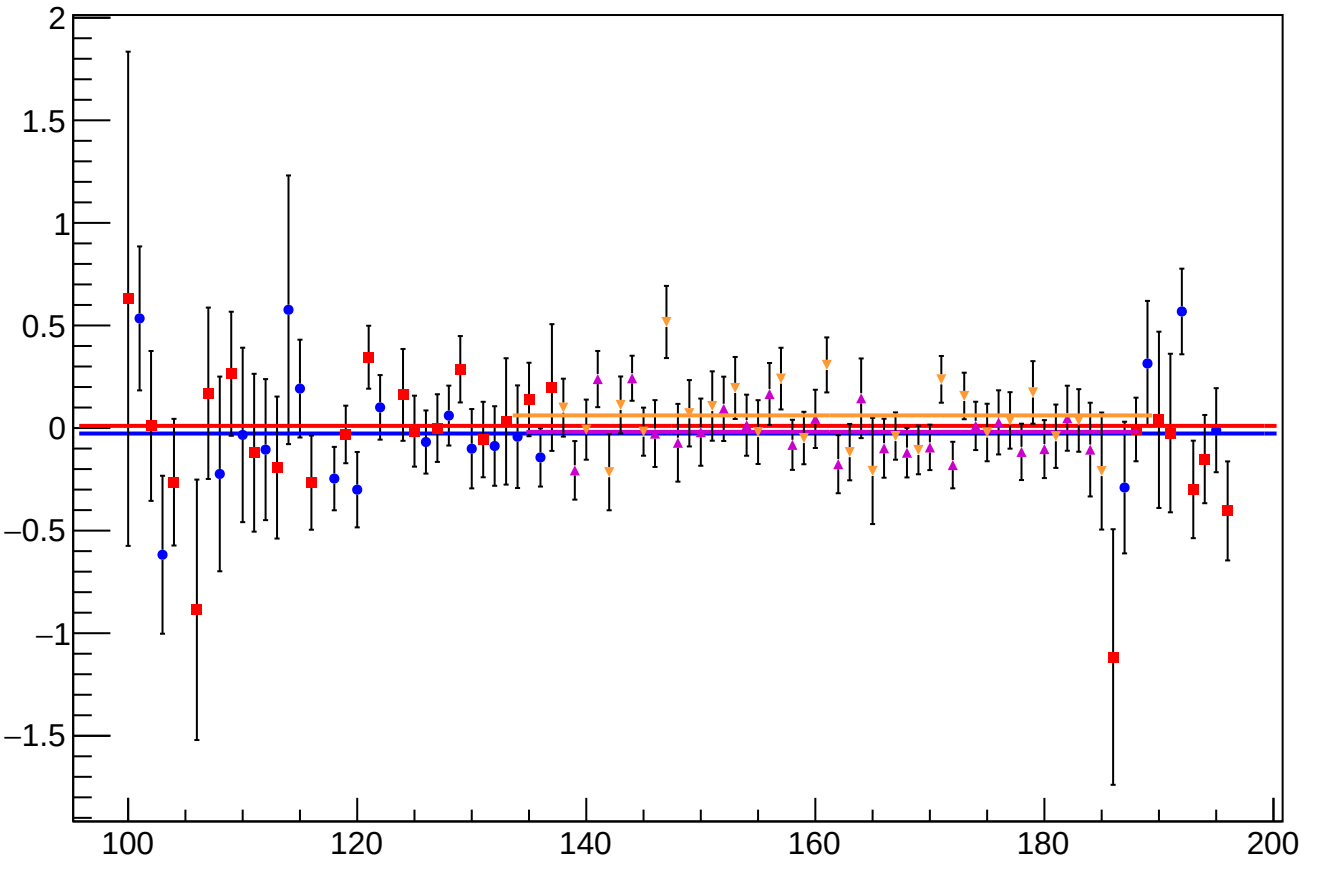
Right Out: 143.798+/-0.032 χ^2/NDF: 2960205.6/25

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307096.8/44

All: 128.570+/-0.012 χ^2/NDF: 7284338.0/93

- sign 129.194+/-0.017 χ^2/NDF: 3974677.5/48



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

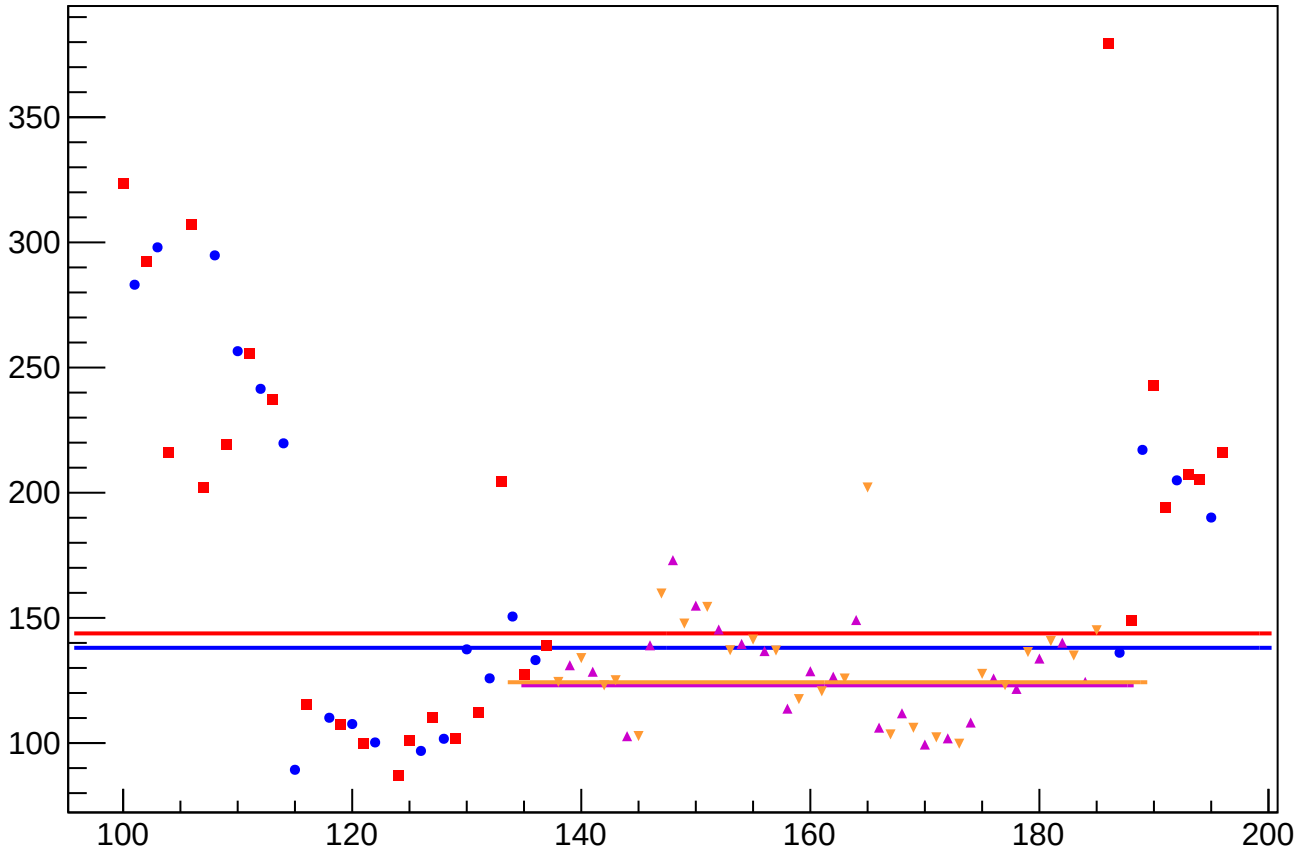
Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.014+/-0.017 χ^2/NDF: 99.2/93

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48



Right In: 138.043+/-0.034 χ^2/NDF: 2343800.4/19

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 143.798+/-0.032 χ^2/NDF: 2960205.6/25

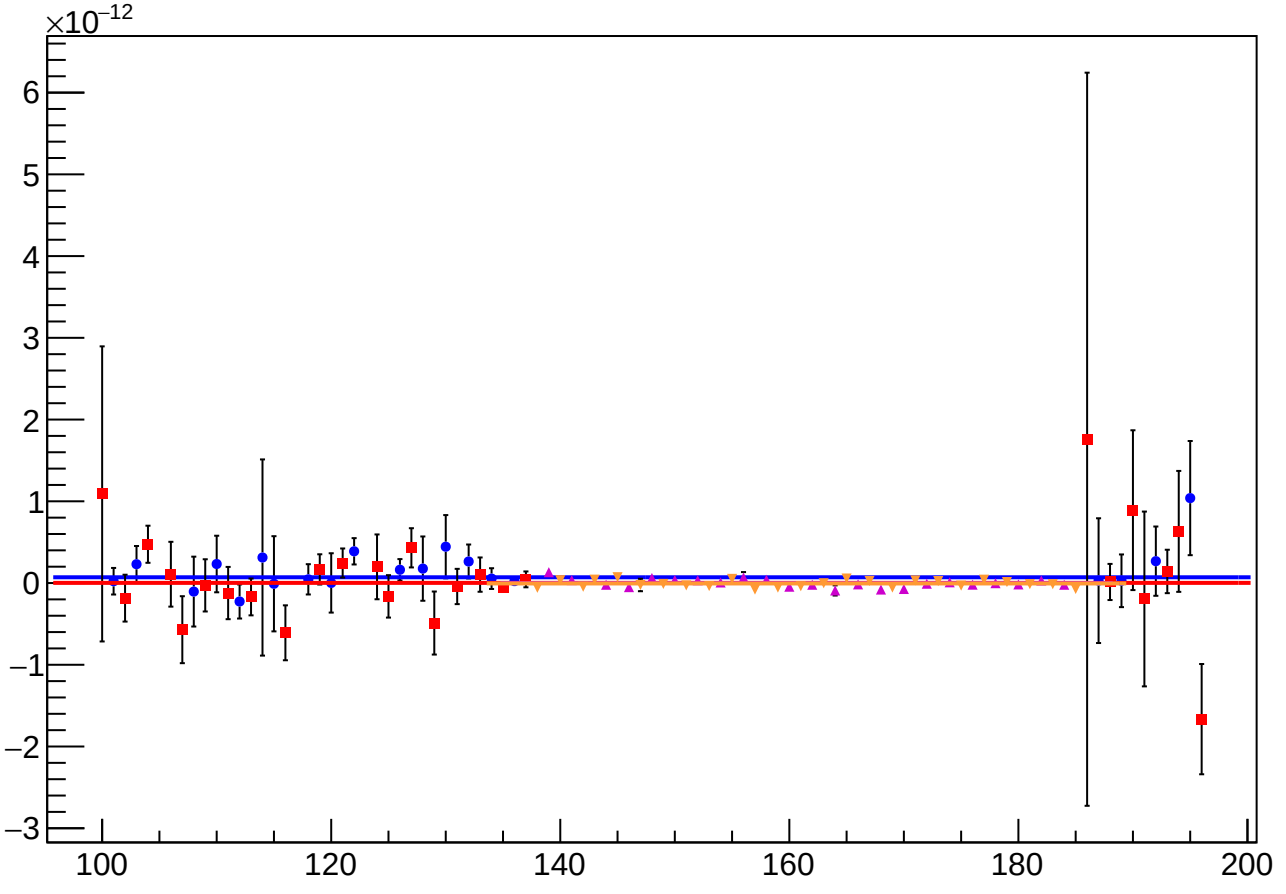
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307096.8/44

All: 128.570+/-0.012 χ^2/NDF: 7284338.0/93

- 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: 12.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/25

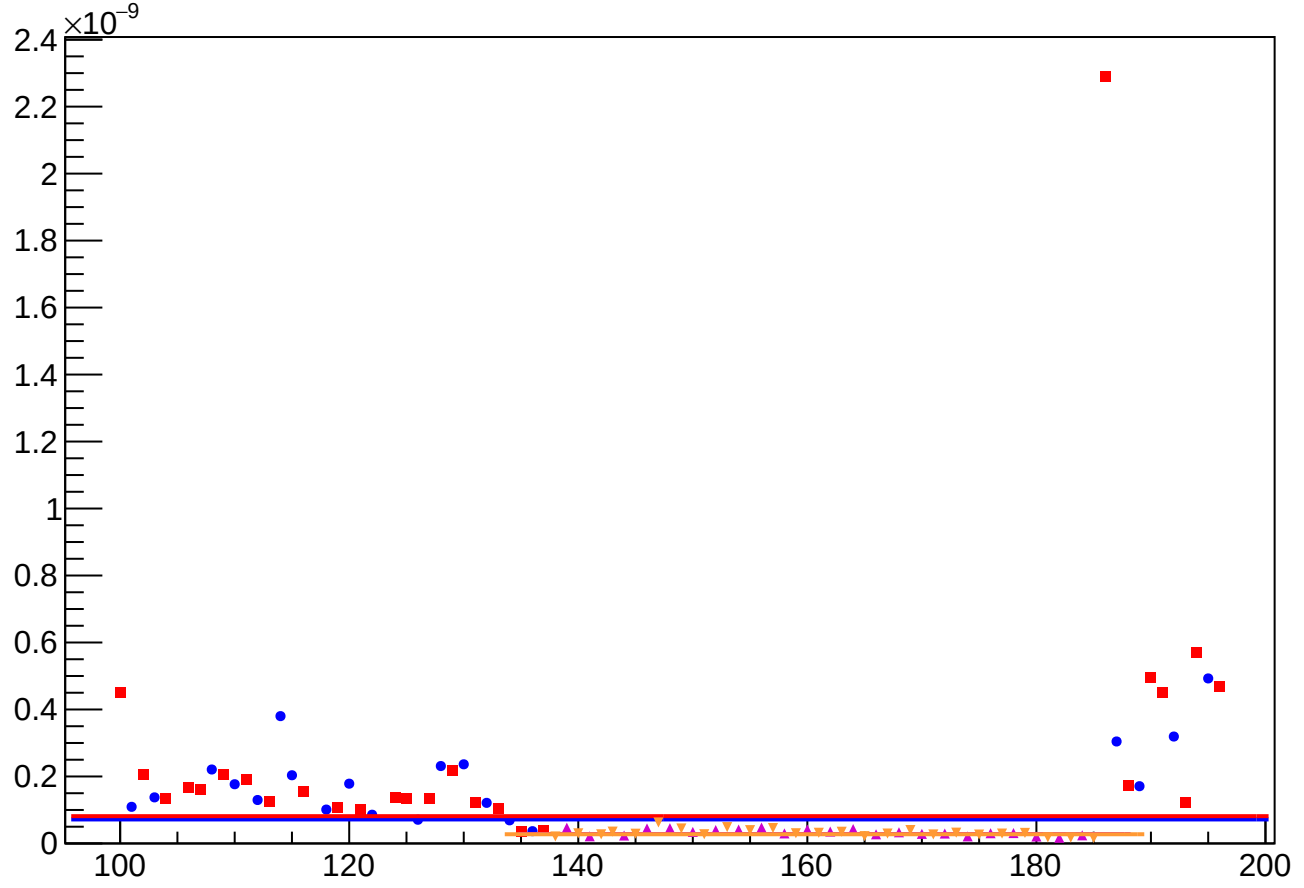
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/44

All: -0.000+/-0.000 χ^2/NDF: 94.7/93

- 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: 4999841.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6735086.9/25

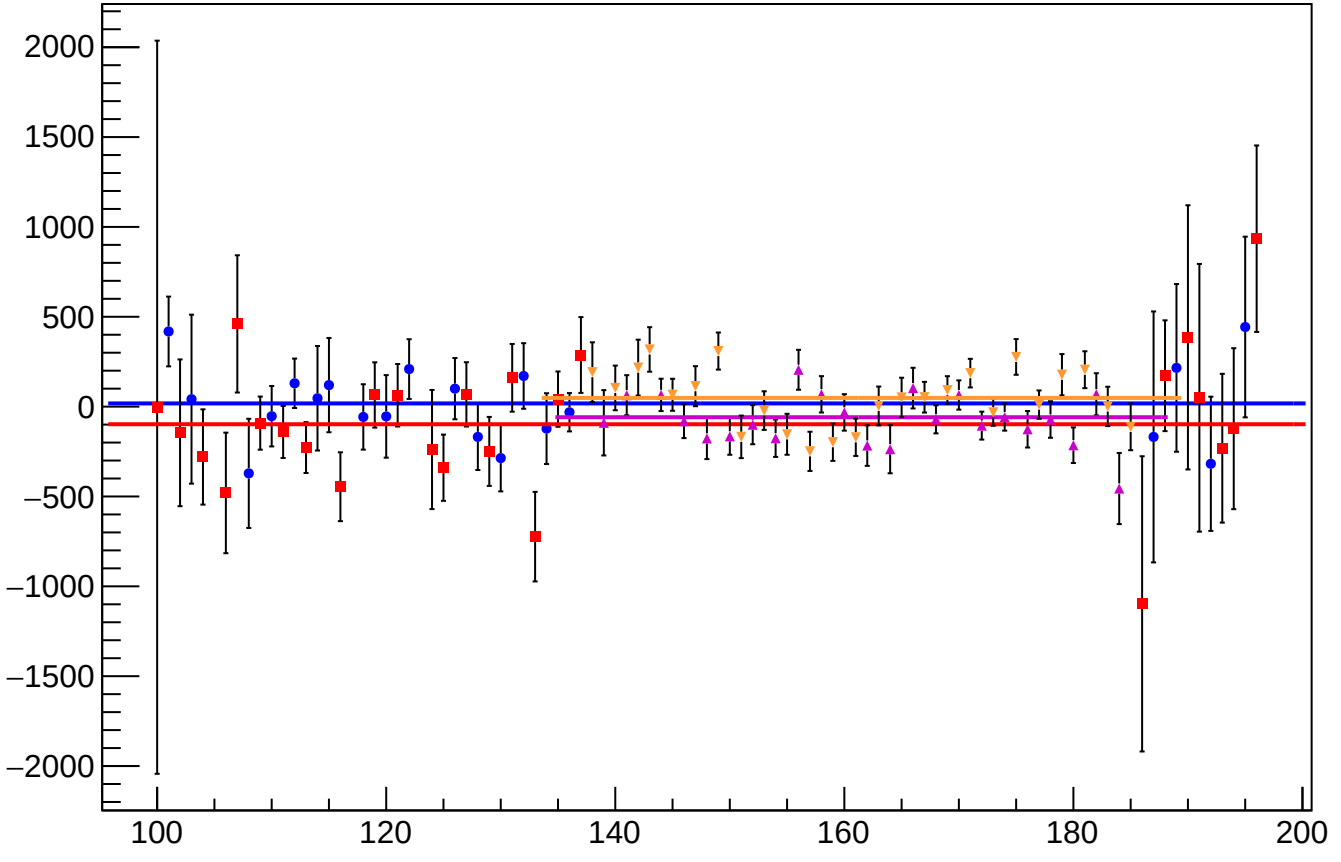
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10324518.3/44

All: 0.000+/-0.000 χ^2/NDF: 22977092.8/93

- sign 0.000+/-0.000 χ^2/NDF: 12634674.1/48

reg_asym_sam3_mean vs Slug



Right In: 17.785+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.982+/-44.438 χ^2/NDF: 32.3/25

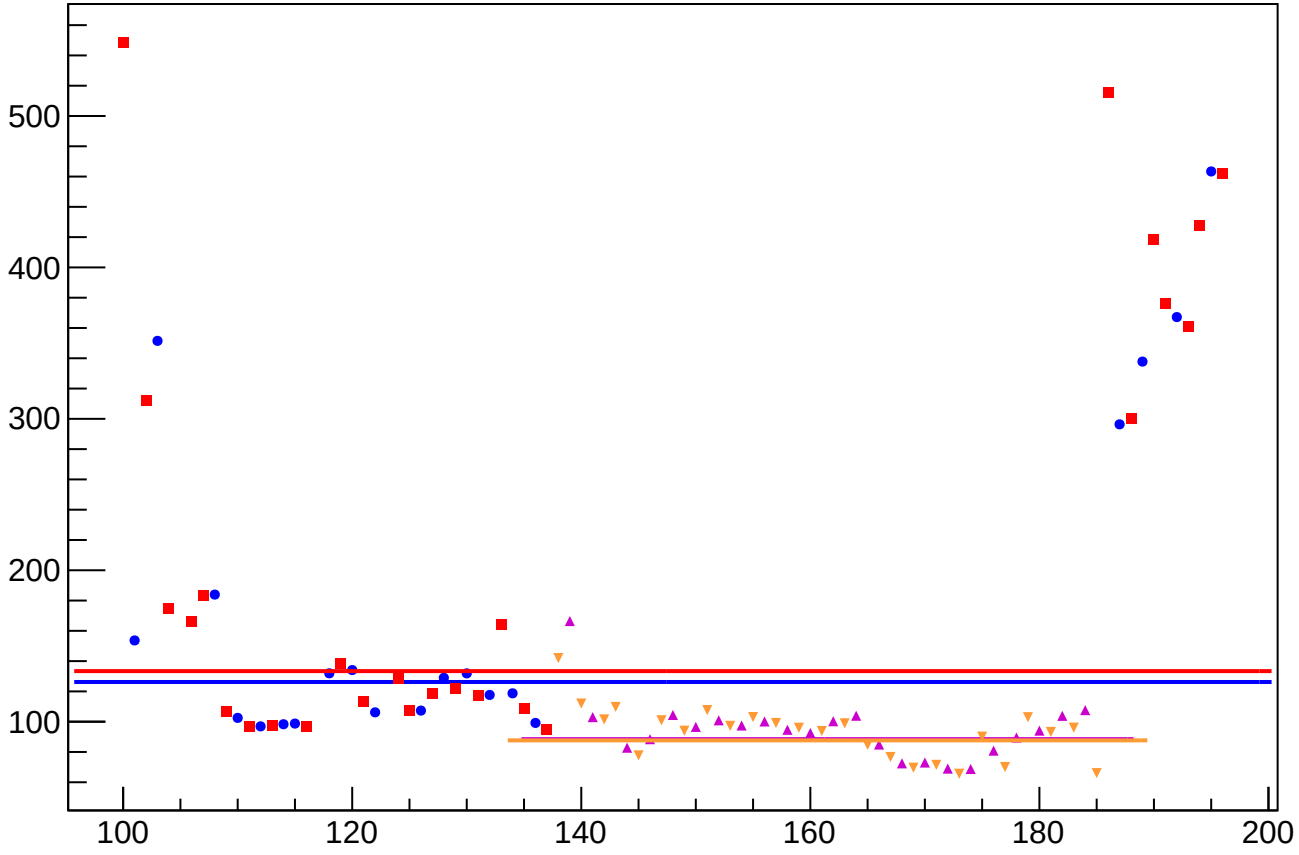
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.141+/-18.589 χ^2/NDF: 69.6/44

All: -10.048+/-13.322 χ^2/NDF: 150.0/93

- sign -66.214+/-19.102 χ^2/NDF: 63.6/48

reg_asym_sam3_rms vs Slug



Right In: 126.217+/-0.032 χ^2/NDF: 3200931.0/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 133.394+/-0.031 χ^2/NDF: 5017875.4/25

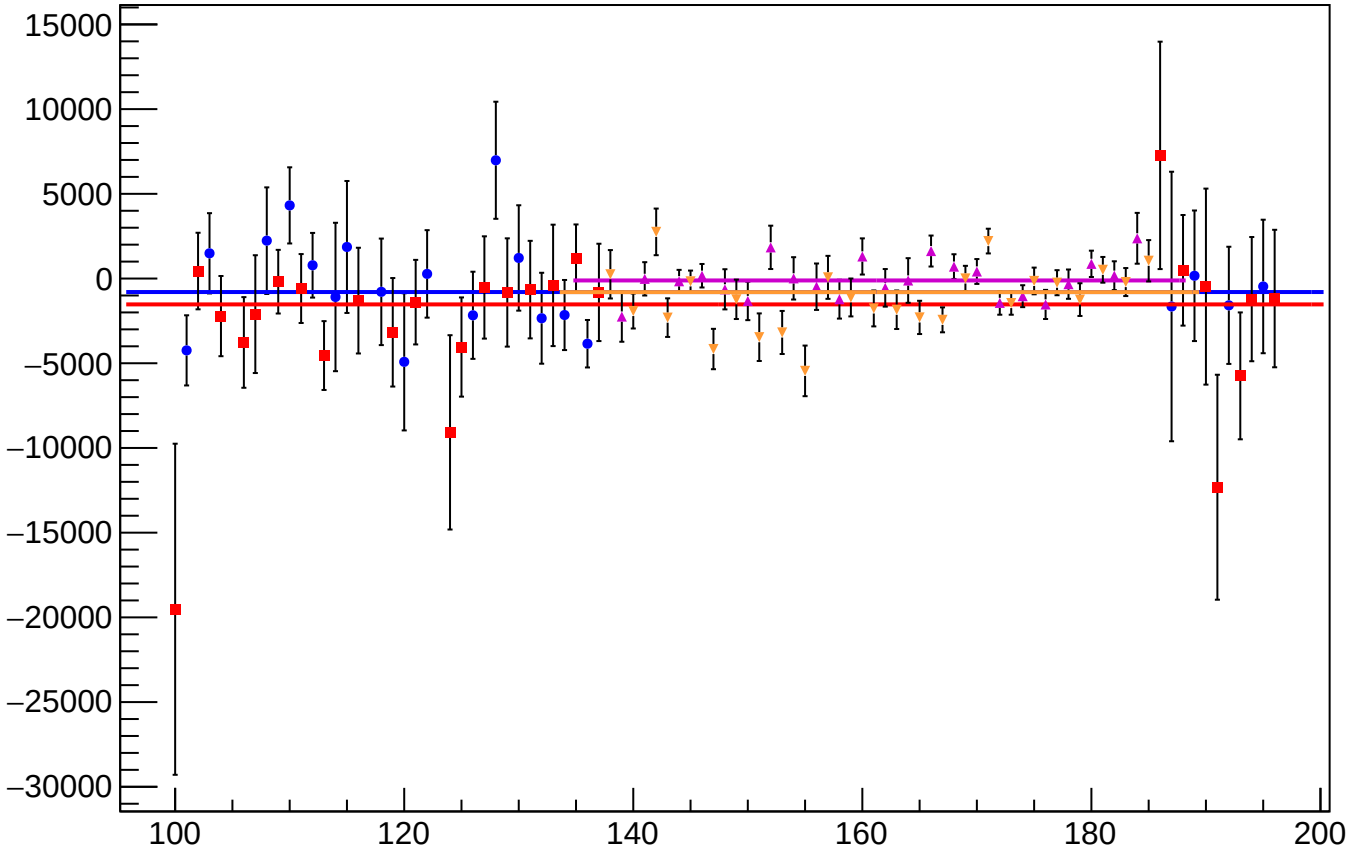
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 94.271+/-0.013 χ^2/NDF: 5637461.5/44

All: 95.492+/-0.009 χ^2/NDF: 13414201.1/93

\- sign 96.781+/-0.014 χ^2/NDF: 7759008.7/48

asym_sam3_reg_correction_mean vs Slug



Right In: -796.612+/-590.648 χ^2/NDF: 23.6/19

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1526.244+/-573.970 χ^2/NDF: 19.0/25

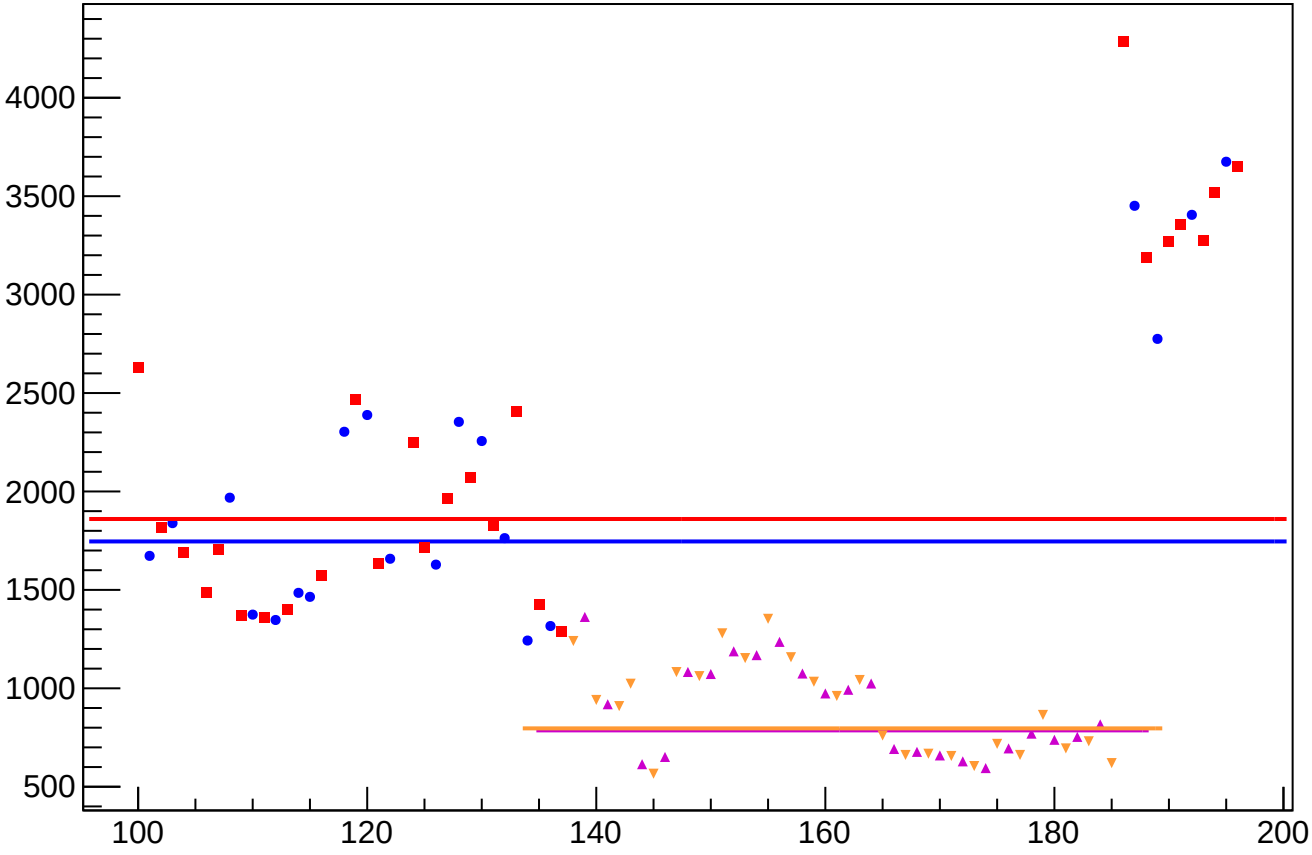
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.057+/-178.932 χ^2/NDF: 95.5/44

All: -529.310+/-127.111 χ^2/NDF: 151.6/93

- sign -252.460+/-180.605 χ^2/NDF: 51.5/48

asym_sam3_reg_correction_rms vs Slug



Right In: 1746.094+/-0.418 χ^2/NDF: 1891256.1/19

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1860.155+/-0.406 χ^2/NDF: 2677258.8/25

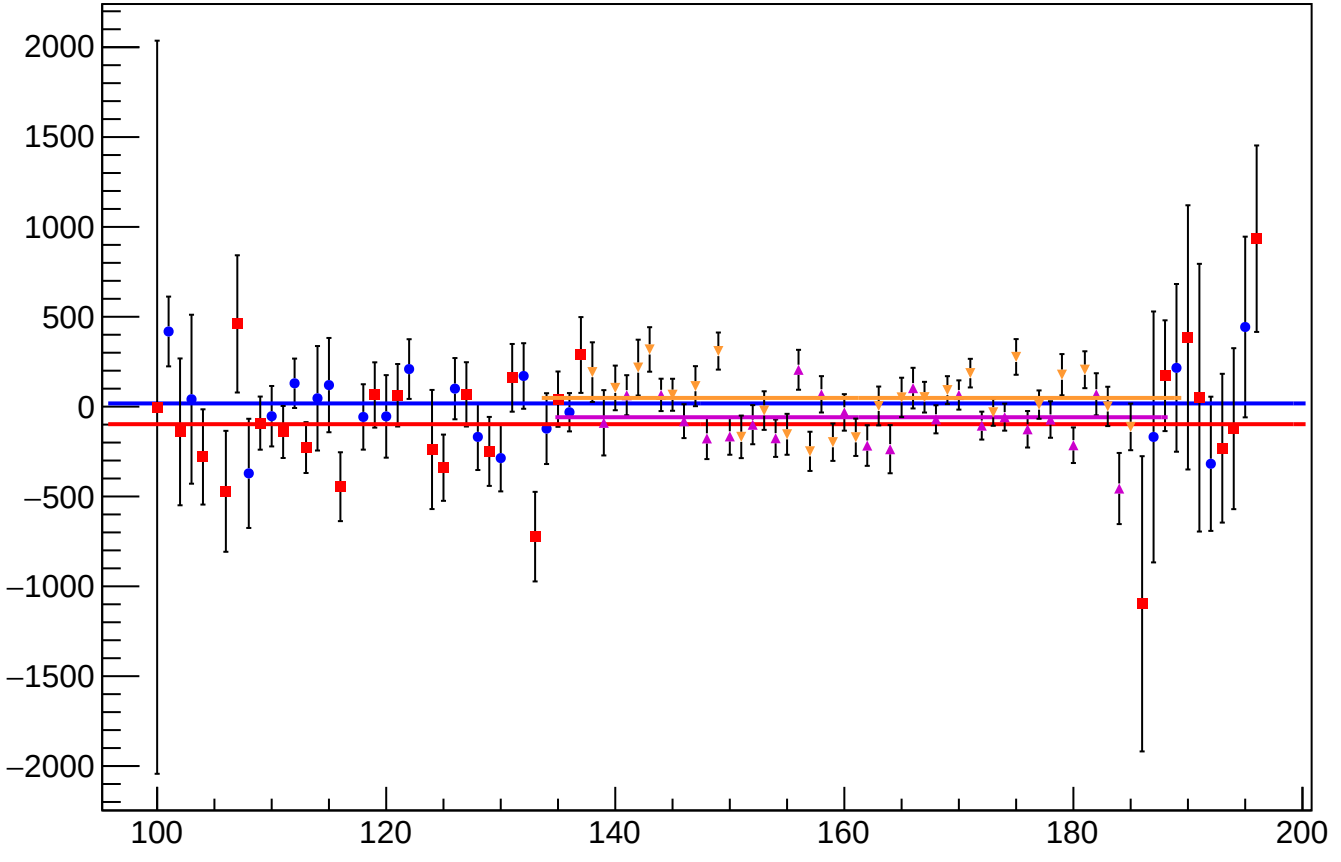
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 883.670+/-0.127 χ^2/NDF: 9003968.1/44

All: 888.120+/-0.090 χ^2/NDF: 20147466.8/93

- sign 892.655+/-0.128 χ^2/NDF: 11141000.6/48

cor_asym_sam3_mean vs Slug



Right In: 17.772+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.711+/-44.440 χ^2/NDF: 32.3/25

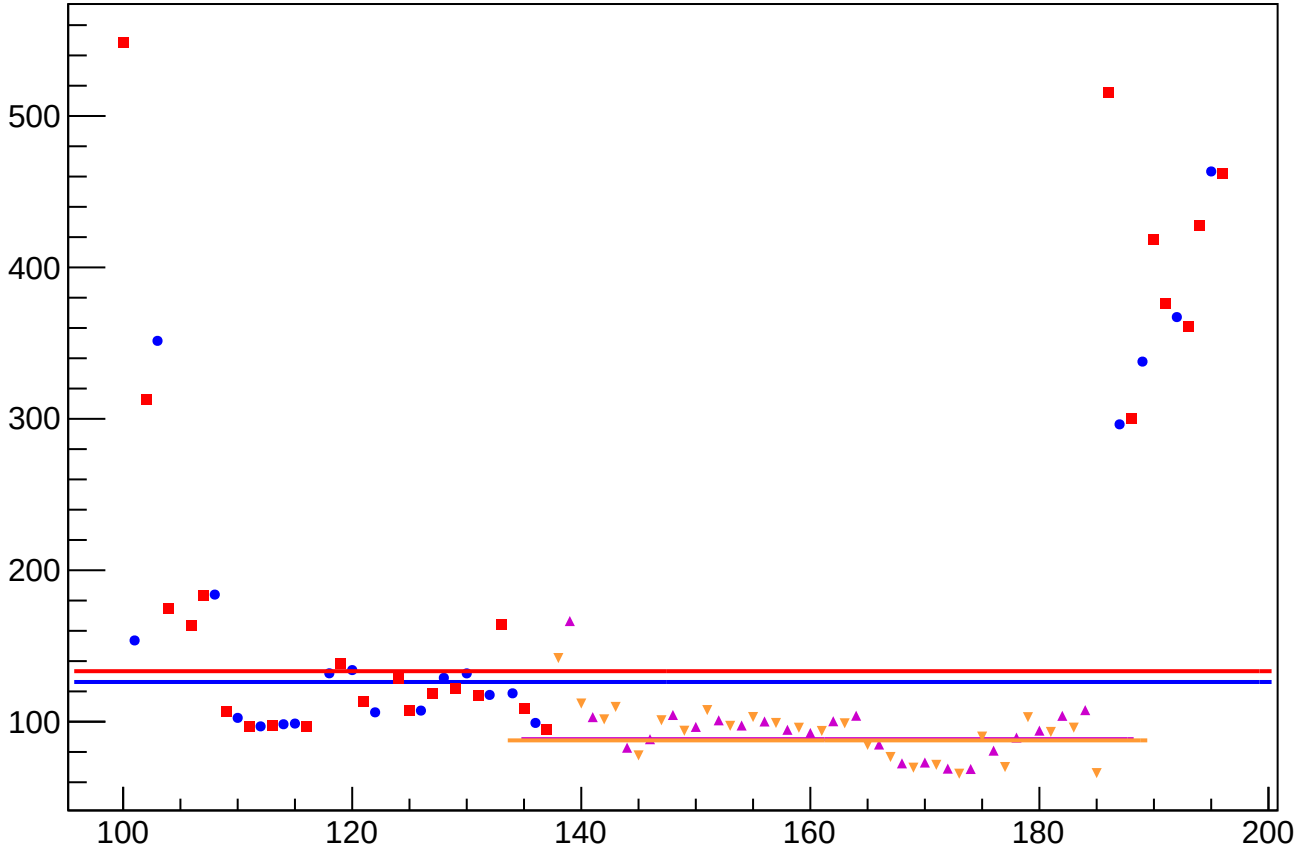
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.145+/-18.589 χ^2/NDF: 69.6/44

All: -10.022+/-13.322 χ^2/NDF: 149.9/93

- sign -66.165+/-19.102 χ^2/NDF: 63.5/48

cor_asym_sam3_rms vs Slug



Right In: 126.217+/-0.032 χ^2/NDF: 3200933.2/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 133.348+/-0.031 χ^2/NDF: 5015165.1/25

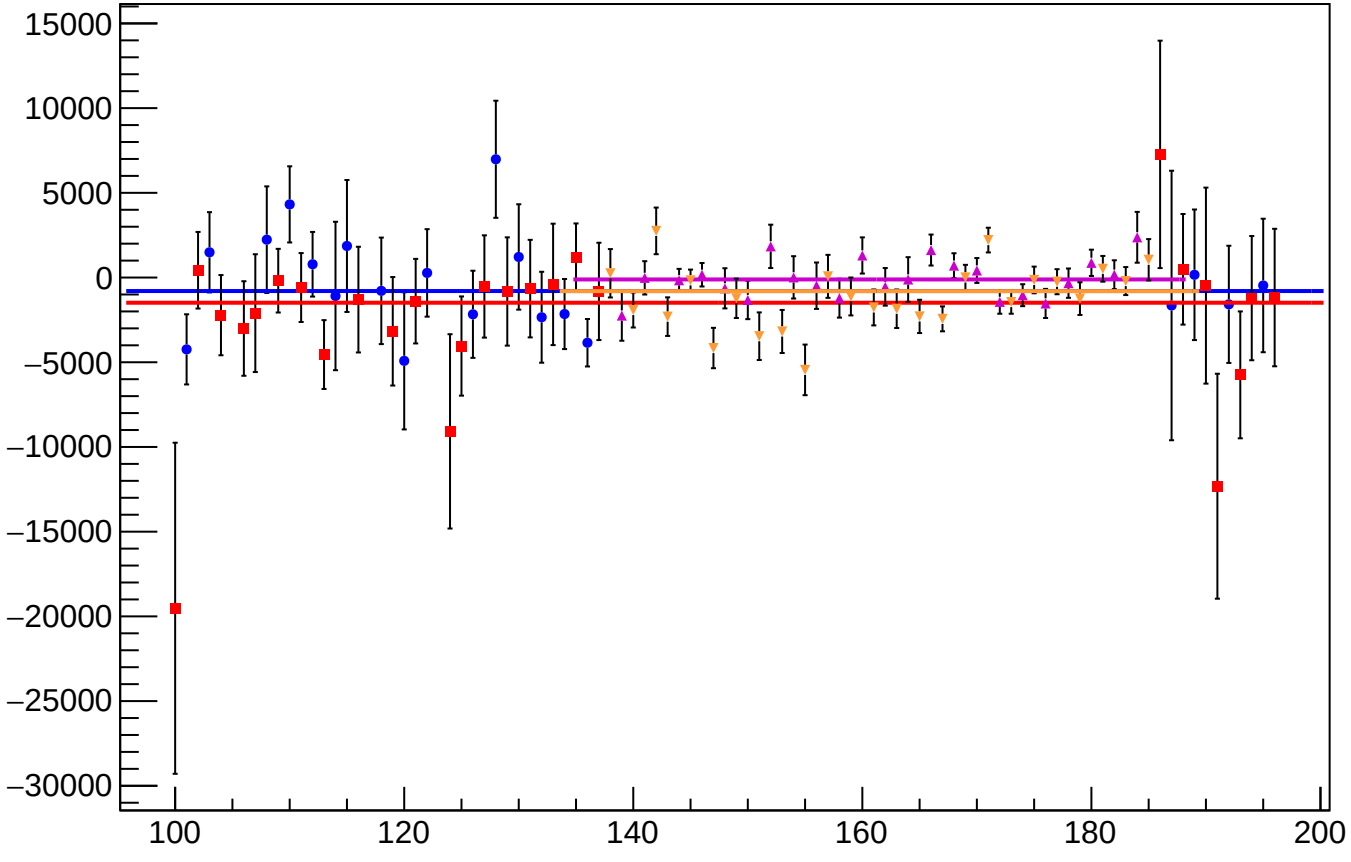
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.271+/-0.013 χ^2/NDF: 5637463.0/44

All: 95.488+/-0.009 χ^2/NDF: 13407721.4/93

- sign 96.772+/-0.014 χ^2/NDF: 7752661.5/48

asym_sam3_cor_correction_mean vs Slug



Right In: -796.596+/-590.652 χ^2/NDF: 23.6/19

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

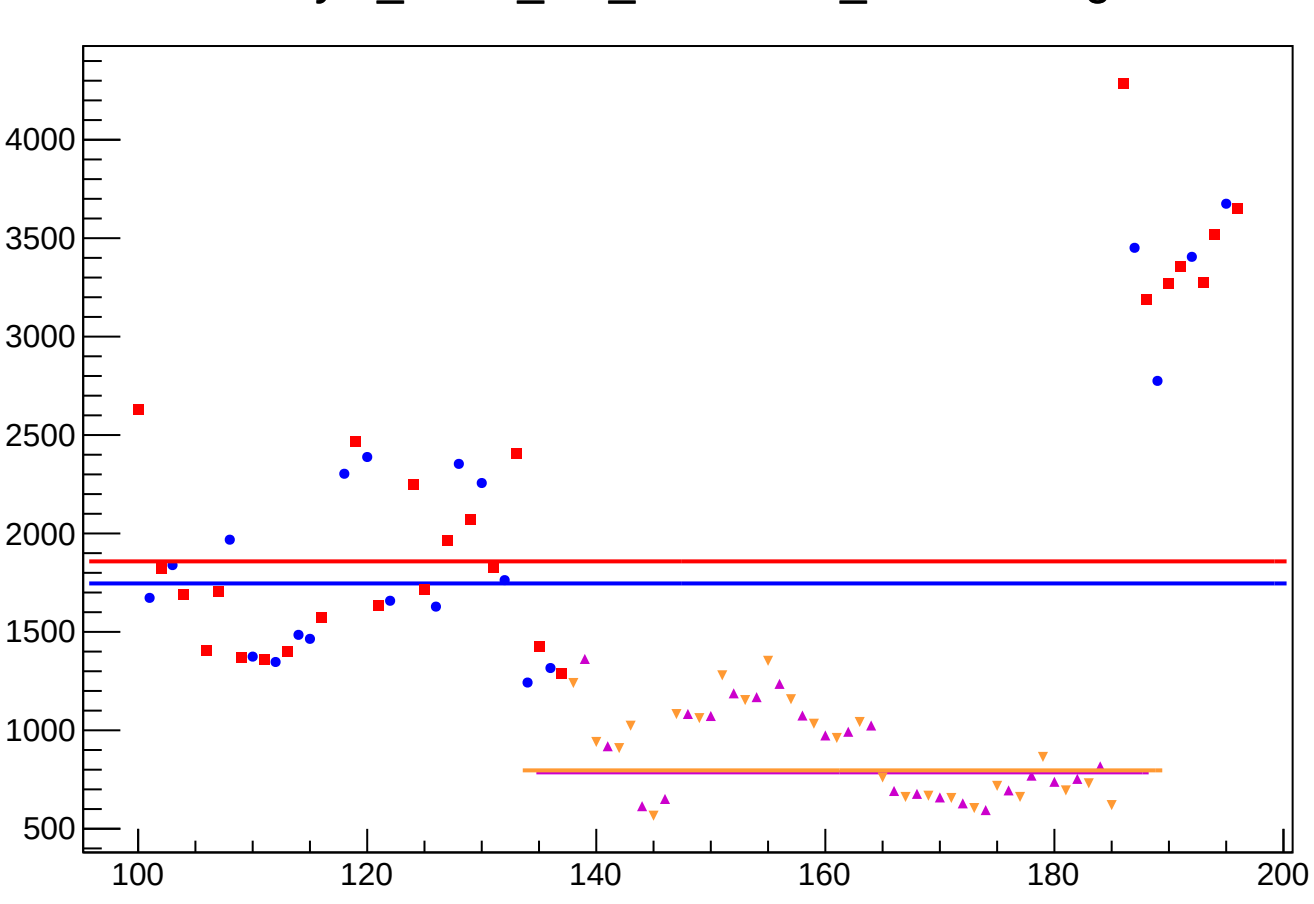
Right Out: -1486.540+/-575.074 χ^2/NDF: 18.5/25

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.049+/-178.932 χ^2/NDF: 95.5/44

All: -527.179+/-127.123 χ^2/NDF: 150.9/93

- sign -248.060+/-180.639 χ^2/NDF: 50.7/48



Right In: 1746.104+/-0.418 χ^2/NDF: 1891271.0/19

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1858.207+/-0.407 χ^2/NDF: 2691259.1/25

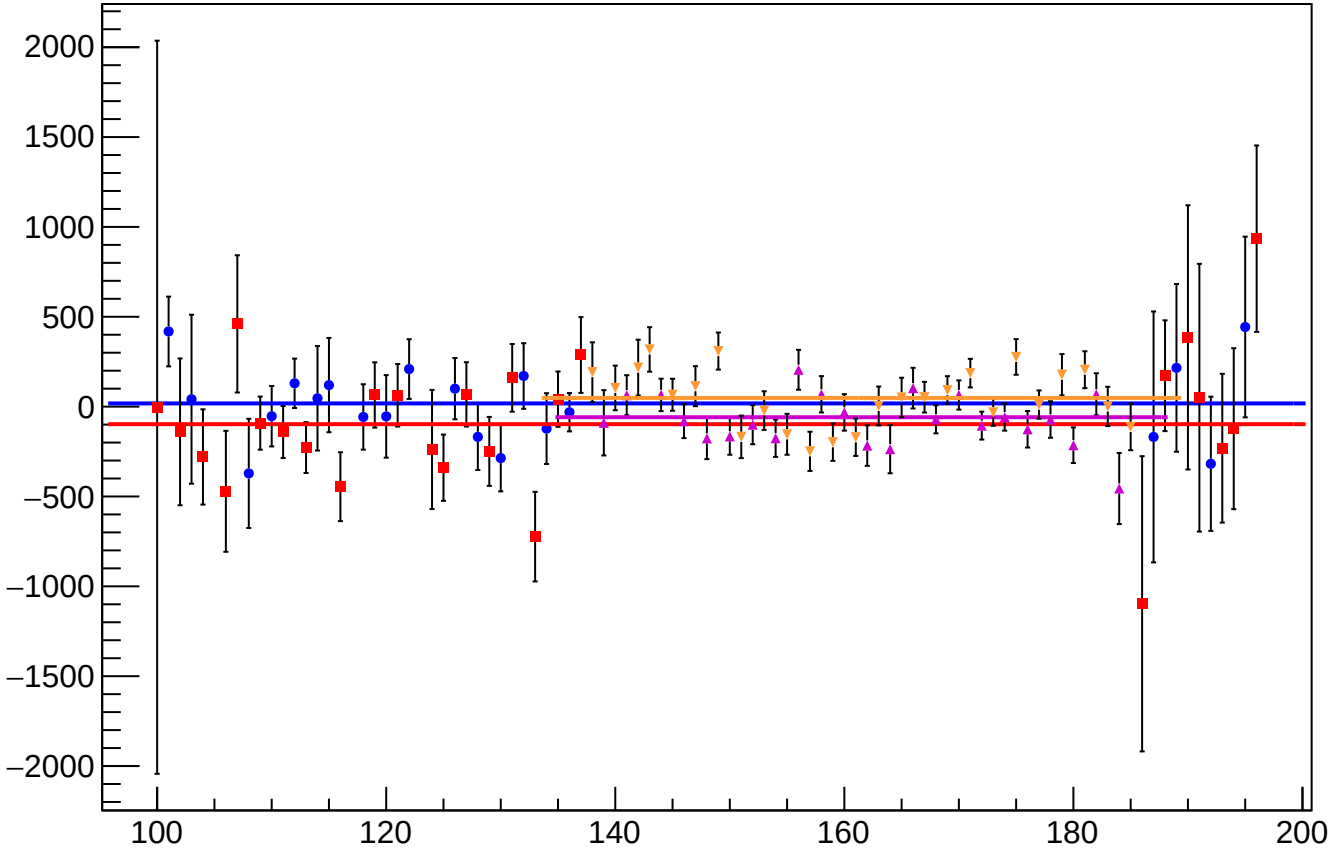
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

\+ sign 883.669+/-0.127 χ^2/NDF: 9004027.0/44

All: 887.842+/-0.090 χ^2/NDF: 20116630.3/93

\- sign 892.095+/-0.128 χ^2/NDF: 11110407.1/48

eigen_cor_asym_sam3_mean vs Slug



Right In: 17.772+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.711+/-44.440 χ^2/NDF: 32.3/25

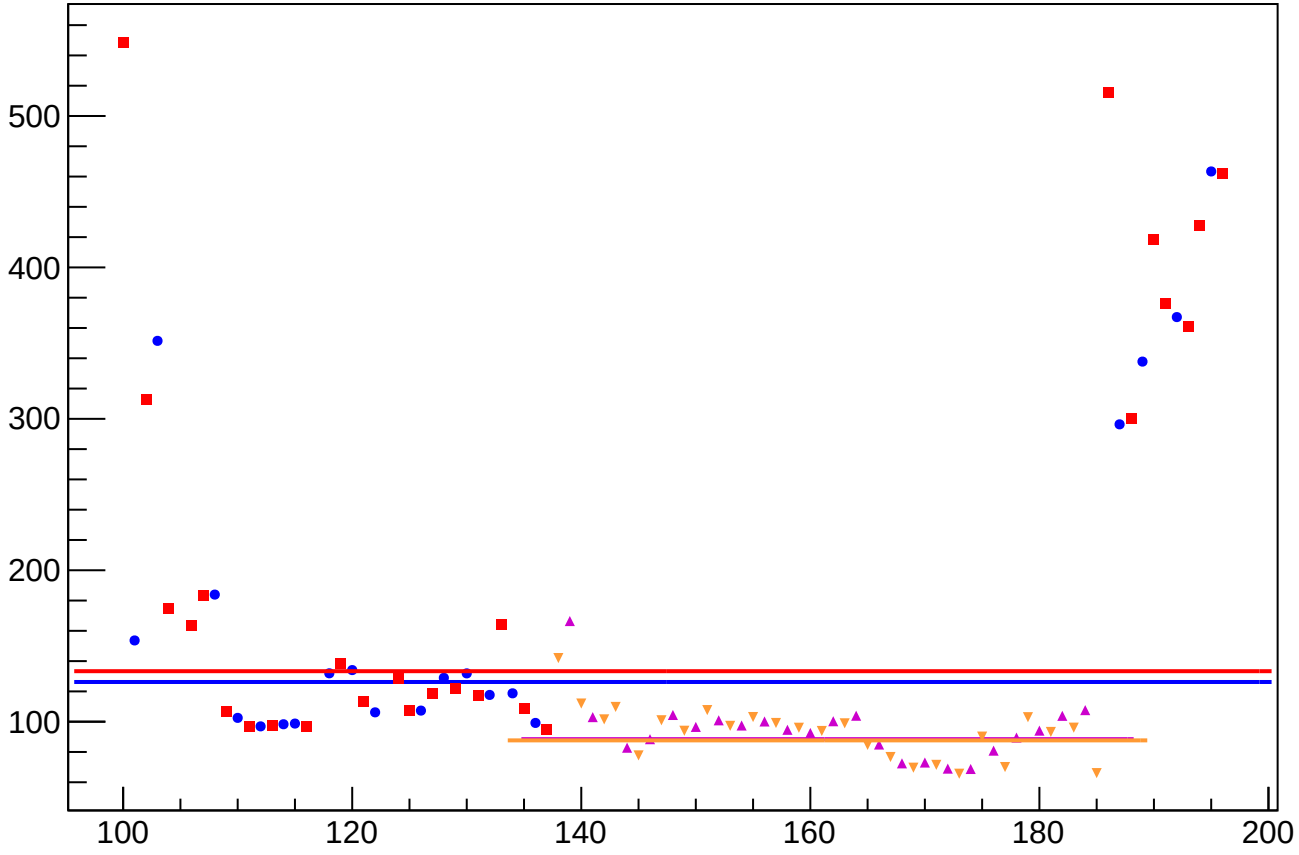
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.145+/-18.589 χ^2/NDF: 69.6/44

All: -10.022+/-13.322 χ^2/NDF: 149.9/93

- sign -66.165+/-19.102 χ^2/NDF: 63.5/48

eigen_cor_asym_sam3_rms vs Slug



Right In: 126.217+/-0.032 χ^2/NDF: 3200933.2/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 133.348+/-0.031 χ^2/NDF: 5015165.1/25

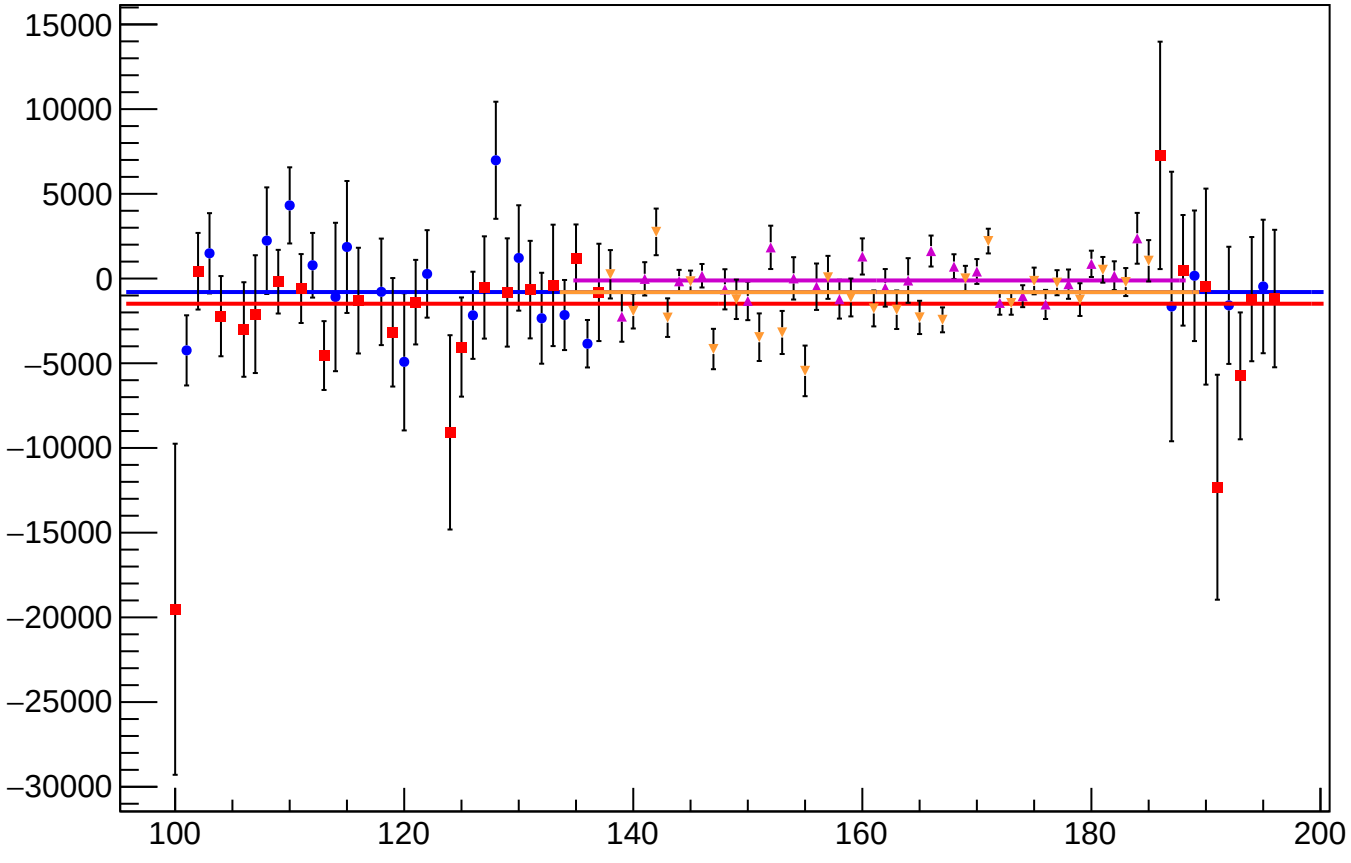
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.271+/-0.013 χ^2/NDF: 5637463.0/44

All: 95.488+/-0.009 χ^2/NDF: 13407721.4/93

- sign 96.772+/-0.014 χ^2/NDF: 7752661.5/48

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -796.596+/-590.652 χ^2/NDF: 23.6/19

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1486.540+/-575.074 χ^2/NDF: 18.5/25

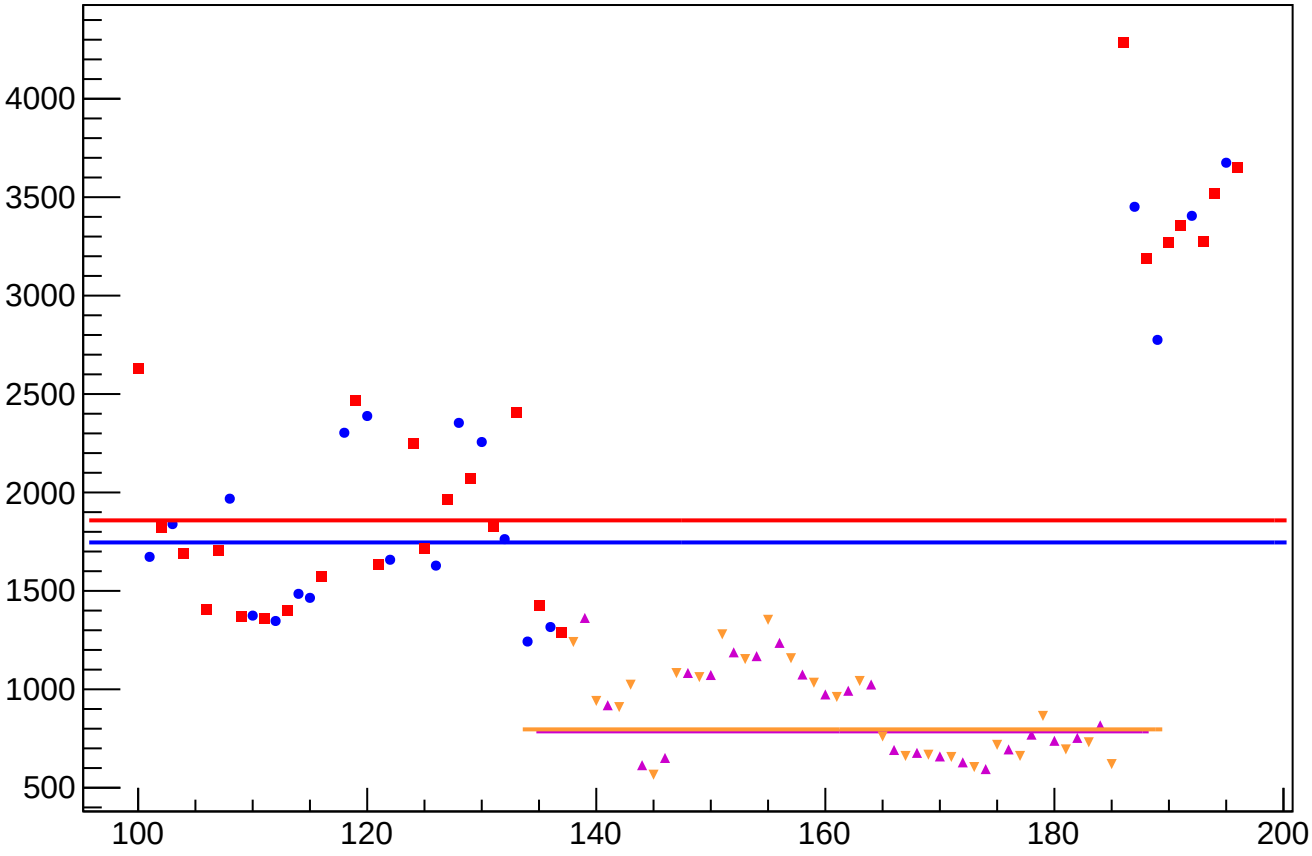
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.049+/-178.932 χ^2/NDF: 95.5/44

All: -527.179+/-127.123 χ^2/NDF: 150.9/93

- sign -248.060+/-180.639 χ^2/NDF: 50.7/48

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1746.104+/-0.418 χ^2/NDF: 1891271.0/19

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1858.207+/-0.407 χ^2/NDF: 2691259.1/25

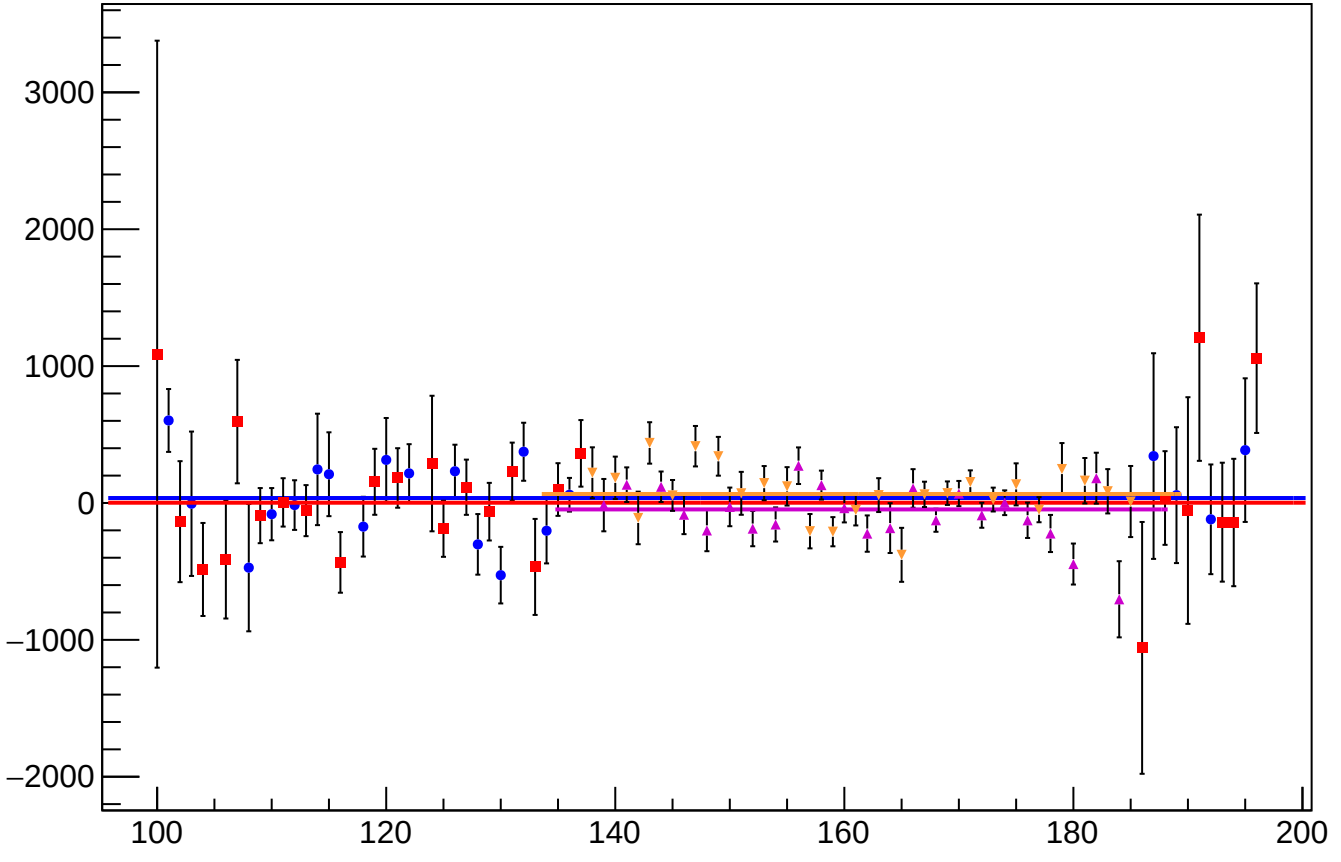
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

\+ sign 883.669+/-0.127 χ^2/NDF: 9004027.0/44

All: 887.842+/-0.090 χ^2/NDF: 20116630.3/93

\- sign 892.095+/-0.128 χ^2/NDF: 11110407.1/48

dit_asym_sam3_mean vs Slug



Right In: 36.275+/-53.653 χ^2/NDF: 25.9/19

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.955+/-53.953 χ^2/NDF: 24.4/25

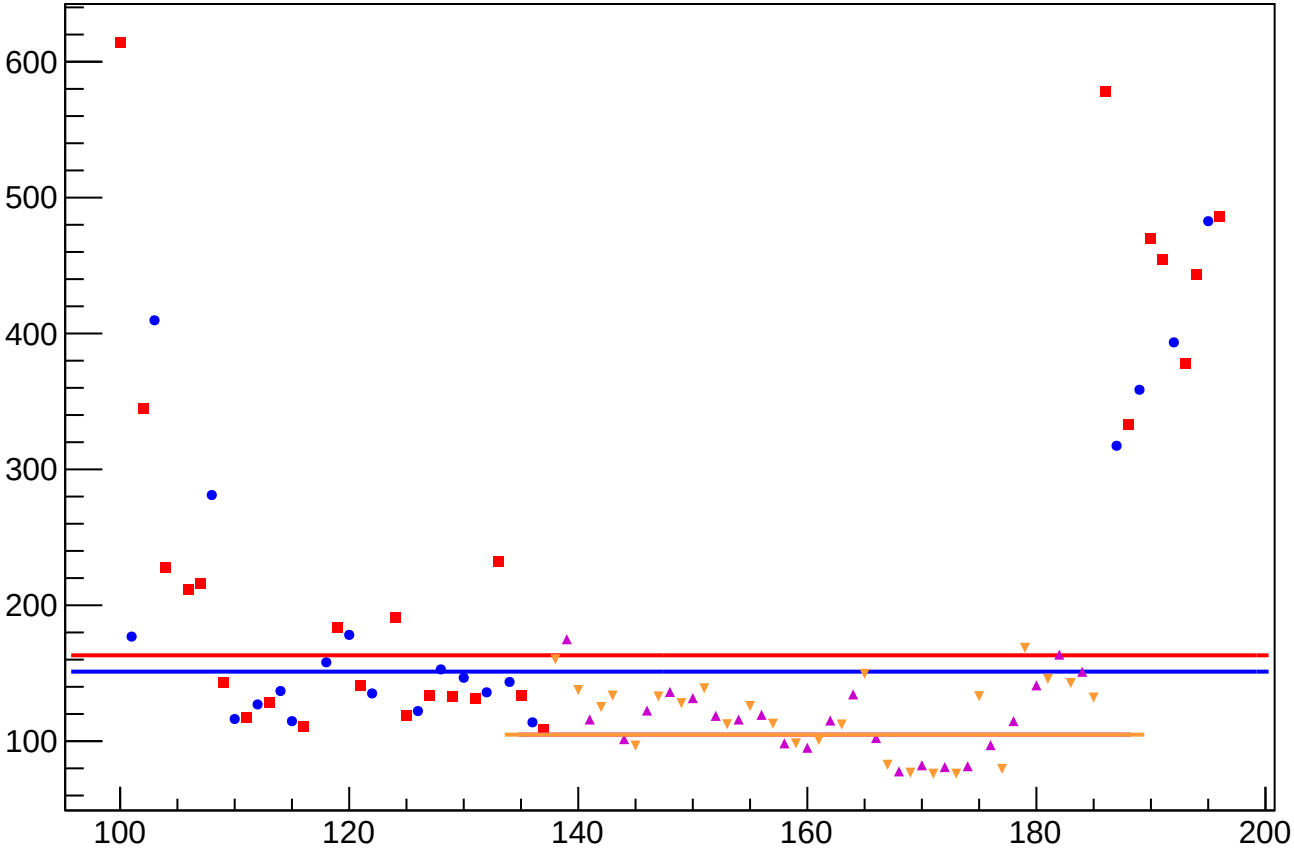
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.432+/-22.705 χ^2/NDF: 66.2/44

All: 12.286+/-16.227 χ^2/NDF: 139.1/93

- sign -37.980+/-23.199 χ^2/NDF: 63.7/48

dit_asym_sam3_rms vs Slug



Right In: 151.172+/-0.038 χ^2/NDF: 3042723.1/19

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 163.184+/-0.038 χ^2/NDF: 4660915.0/25

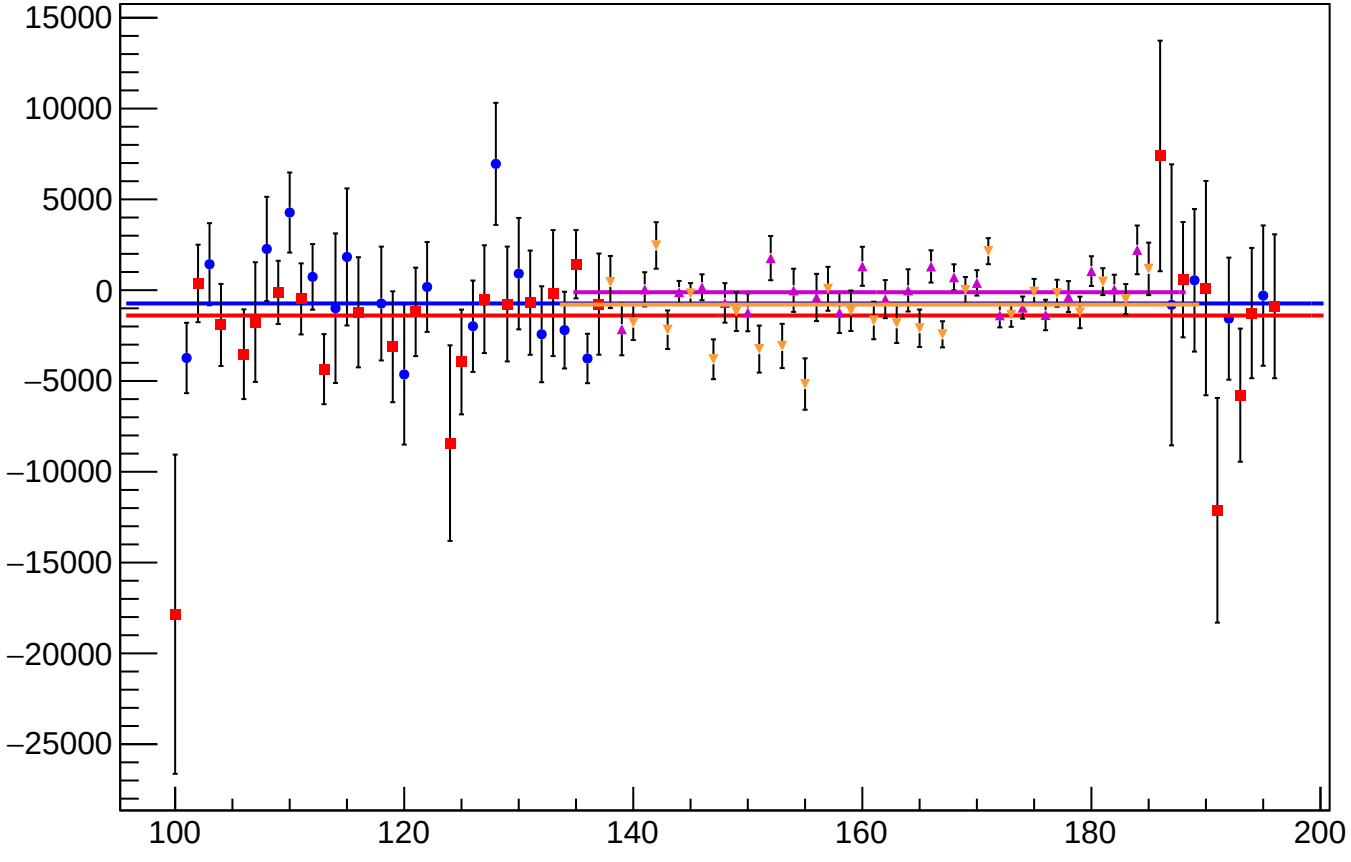
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 113.112+/-0.016 χ^2/NDF: 6511444.3/44

All: 114.341+/-0.011 χ^2/NDF: 14705504.1/93

- sign 115.623+/-0.016 χ^2/NDF: 8182097.4/48

asym_sam3_dit_correction_mean vs Slug



Right In: -731.785+/-572.216 χ^2/NDF: 23.6/19

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1394.503+/-549.759 χ^2/NDF: 20.4/25

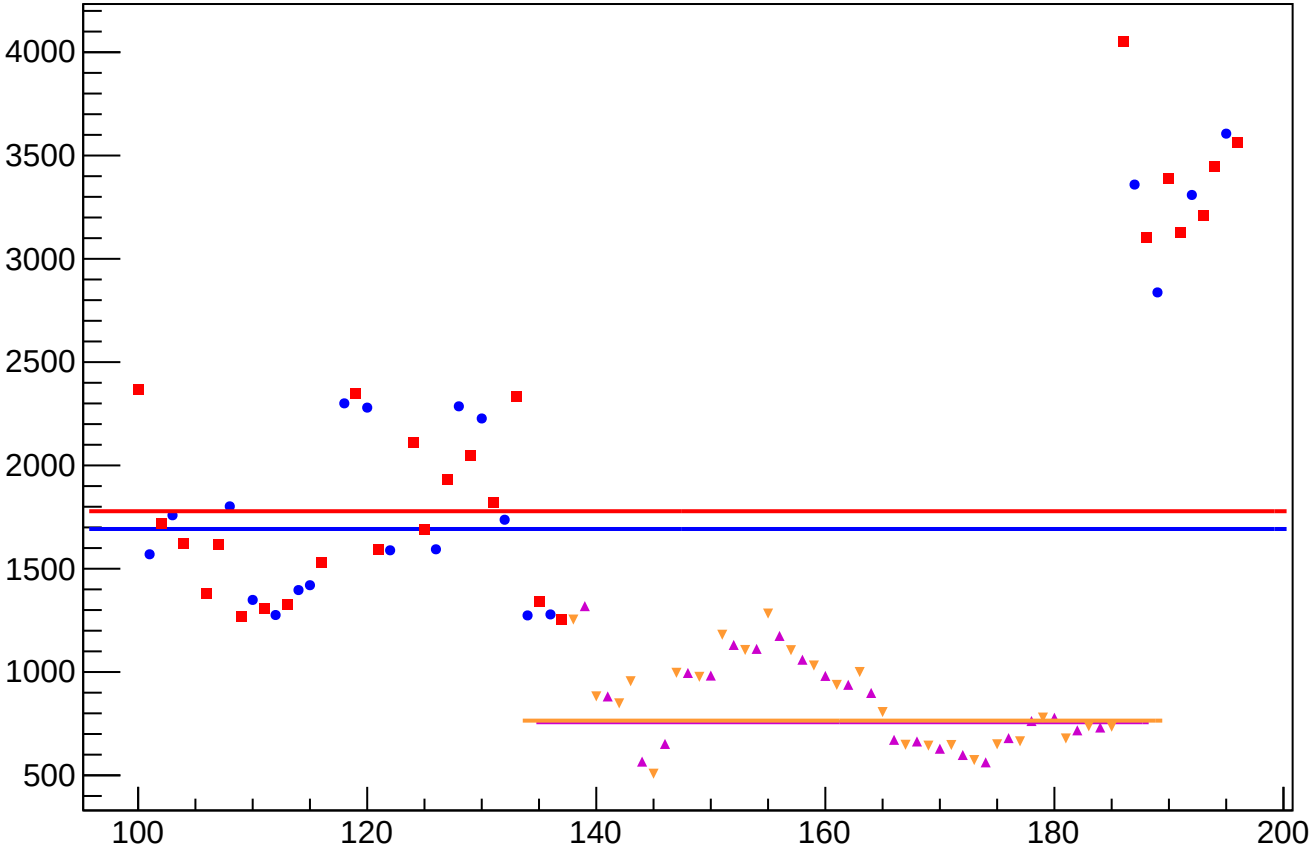
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -787.558+/-171.615 χ^2/NDF: 93.7/44

All: -517.939+/-122.095 χ^2/NDF: 150.2/93

- sign -241.602+/-173.740 χ^2/NDF: 51.5/48

asym_sam3_dit_correction_rms vs Slug



Right In: 1692.309+/-0.405 χ^2/NDF: 1919676.7/19

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1778.318+/-0.389 χ^2/NDF: 2819532.9/25

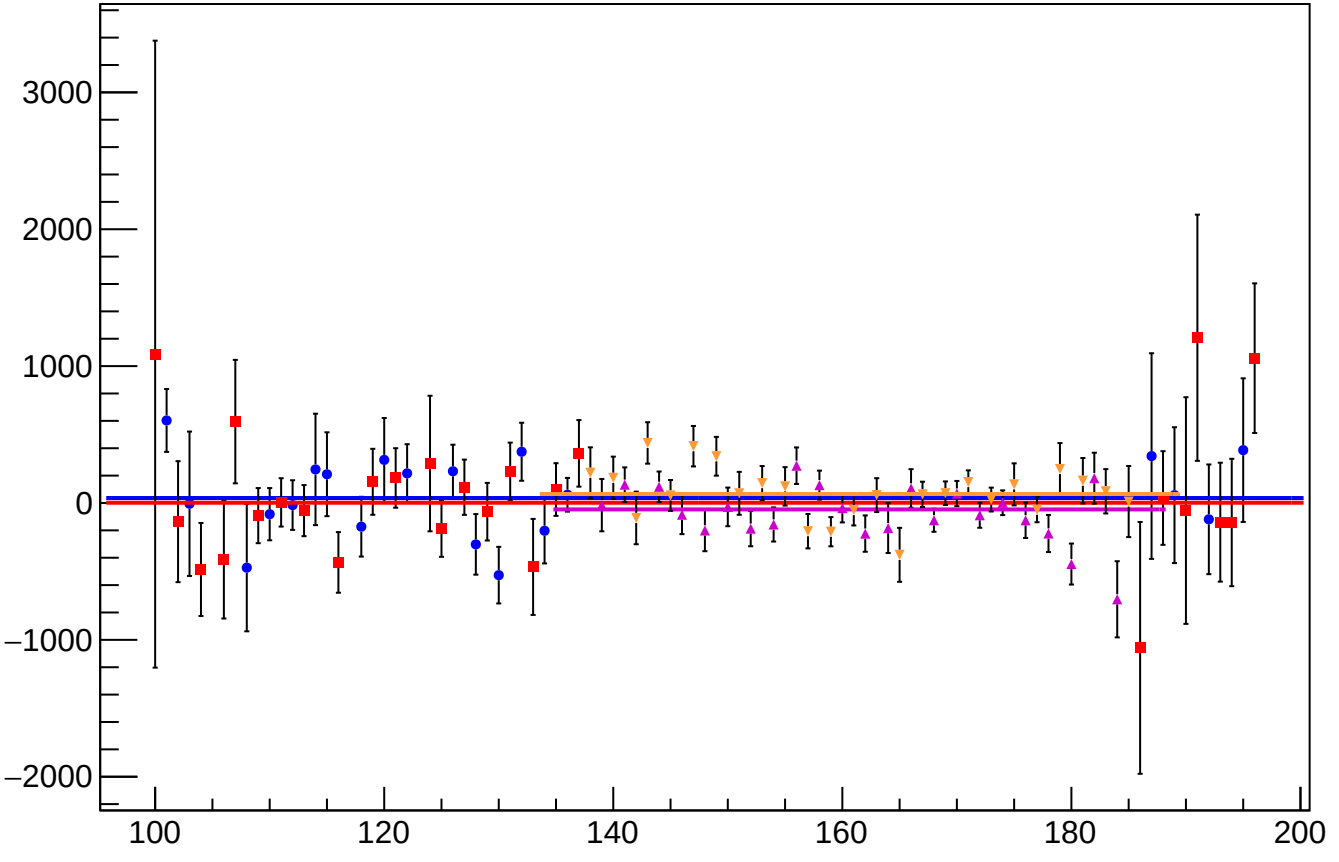
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 848.168+/-0.121 χ^2/NDF: 9127948.3/44

All: 853.487+/-0.086 χ^2/NDF: 20280666.5/93

- sign 858.938+/-0.123 χ^2/NDF: 11148828.2/48

eigen_dit_asym_sam3_mean vs Slug



Right In: 36.274+/-53.653 χ^2/NDF: 25.9/19

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.958+/-53.953 χ^2/NDF: 24.4/25

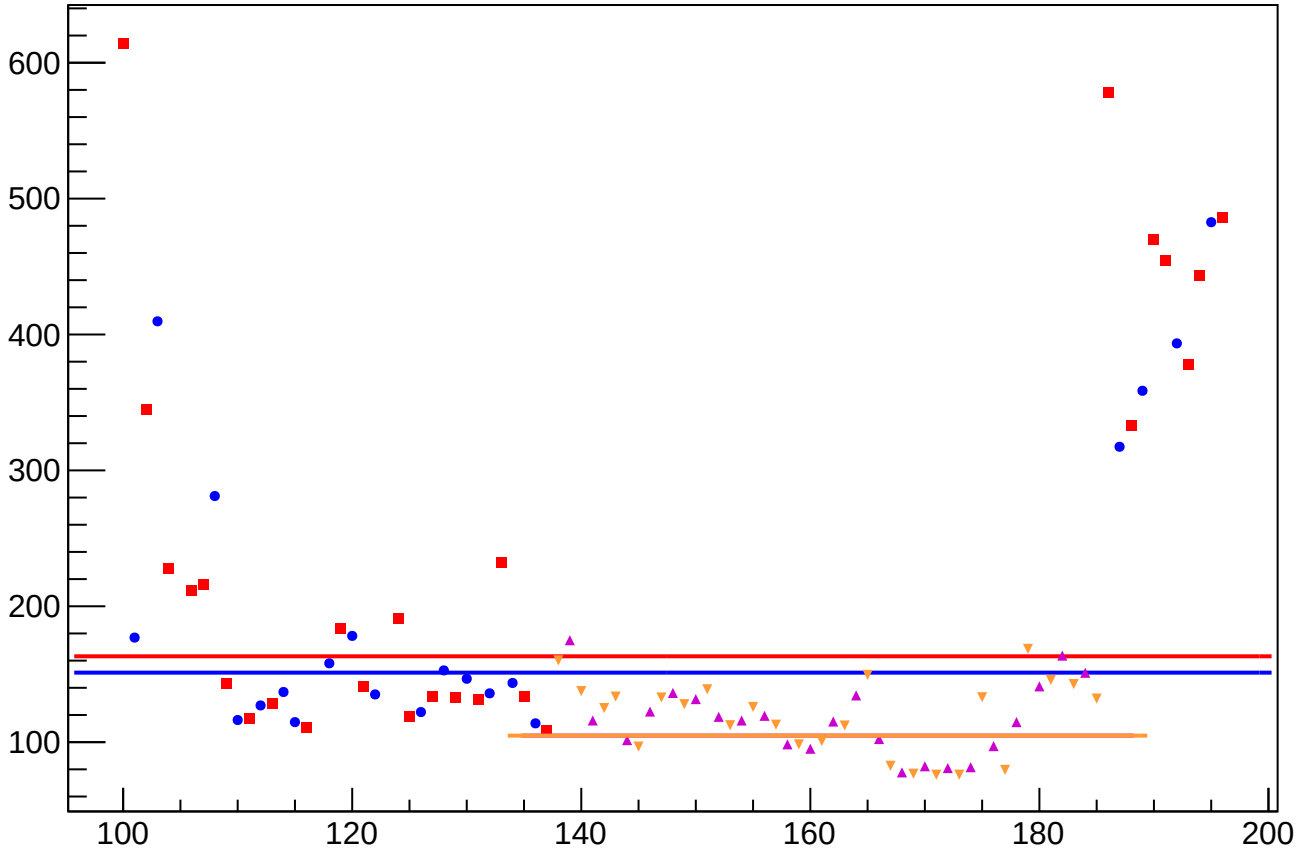
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.433+/-22.705 χ^2/NDF: 66.2/44

All: 12.287+/-16.227 χ^2/NDF: 139.1/93

- sign -37.979+/-23.199 χ^2/NDF: 63.7/48

eigen_dit_asym_sam3_rms vs Slug



Right In: 151.172+/-0.038 χ^2/NDF: 3042726.1/19

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

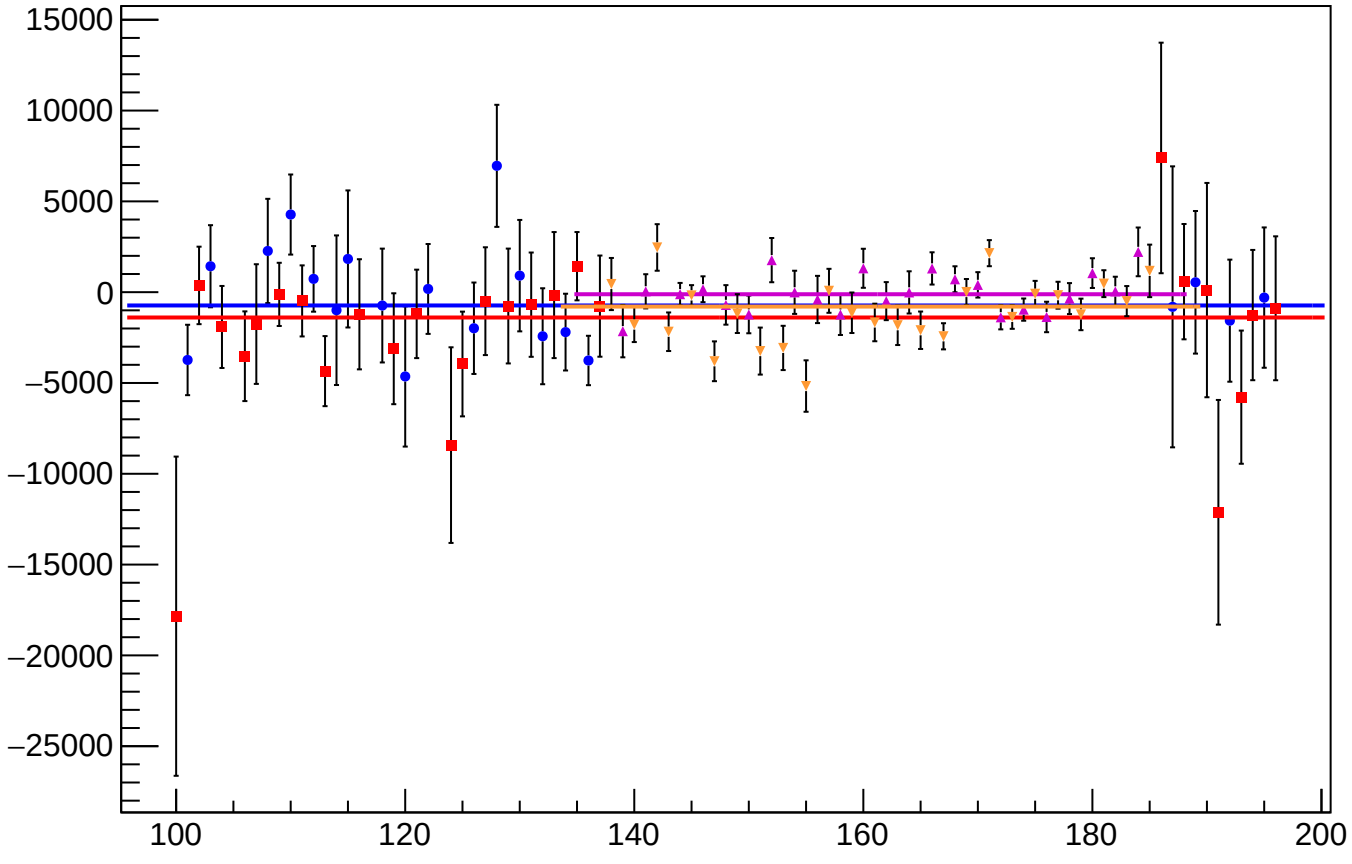
Right Out: 163.184+/-0.038 χ^2/NDF: 4660912.9/25

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 113.113+/-0.016 χ^2/NDF: 6511460.2/44

All: 114.341+/-0.011 χ^2/NDF: 14705530.4/93

- sign 115.623+/-0.016 χ^2/NDF: 8182107.9/48



Right In: -731.783+/-572.215 χ^2/NDF: 23.6/19

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1394.502+/-549.758 χ^2/NDF: 20.4/25

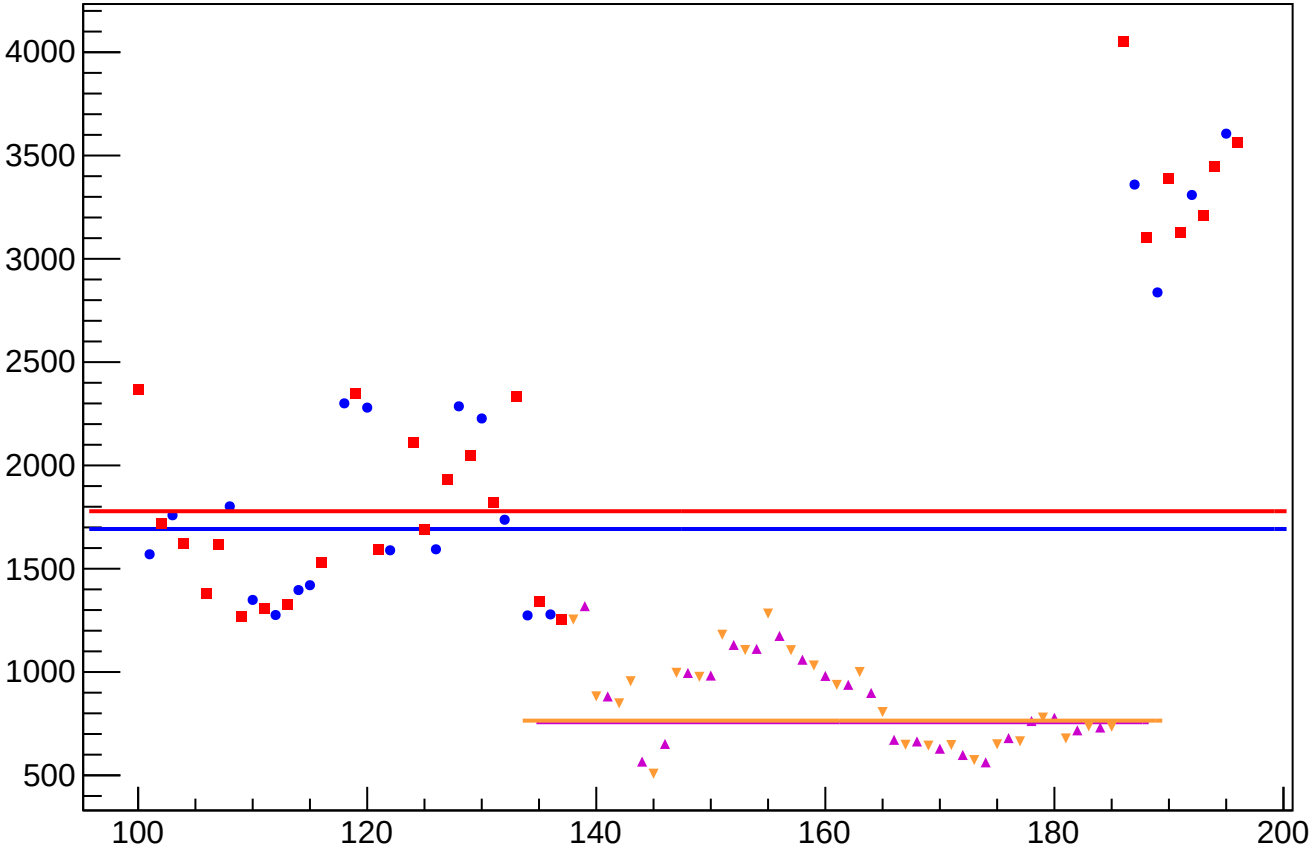
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -787.558+/-171.615 χ^2/NDF: 93.7/44

All: -517.939+/-122.095 χ^2/NDF: 150.2/93

- sign -241.602+/-173.740 χ^2/NDF: 51.5/48

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1692.308+/-0.405 χ^2/NDF: 1919675.1/19

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1778.316+/-0.389 χ^2/NDF: 2819531.7/25

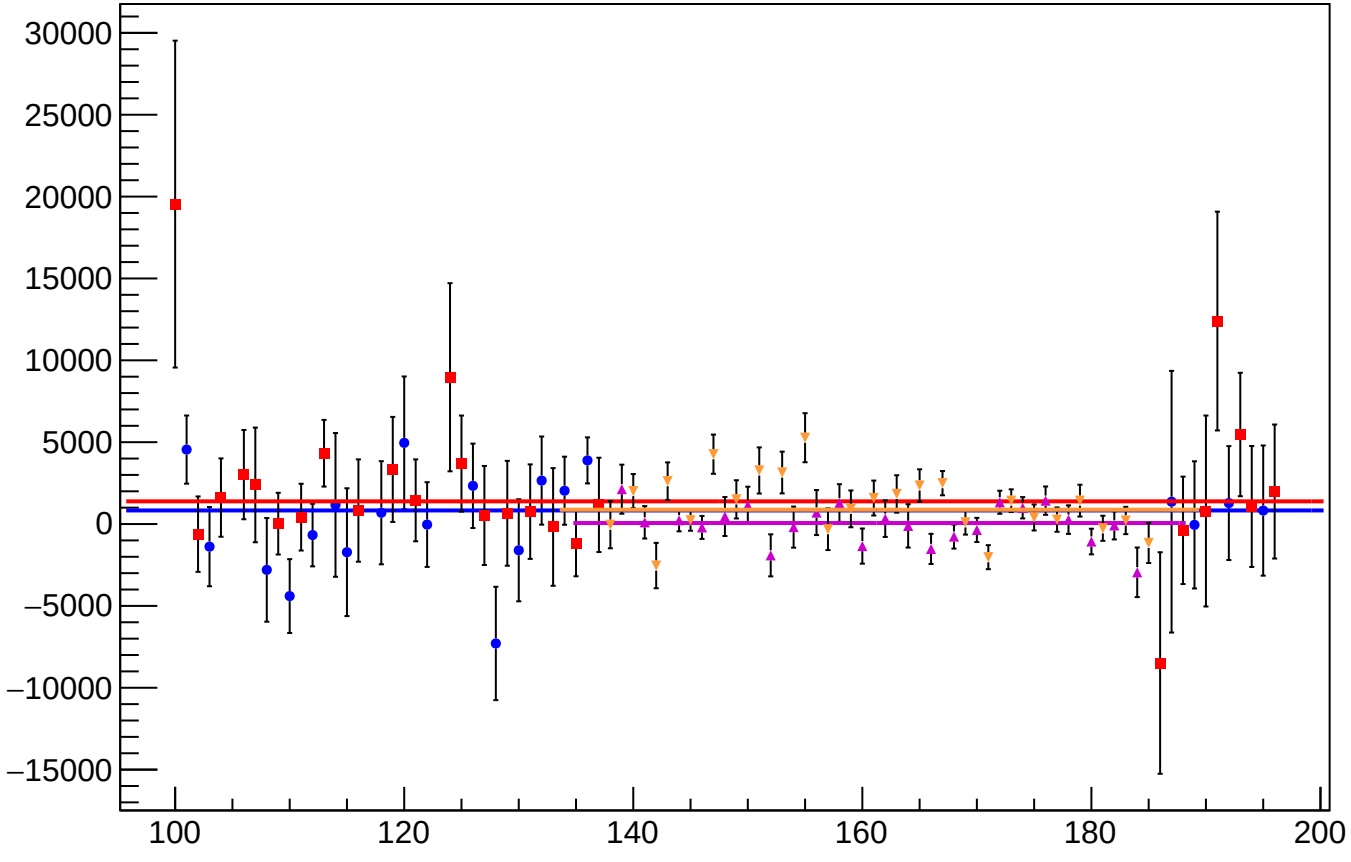
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

\+ sign 848.167+/-0.121 χ^2/NDF: 9127938.3/44

All: 853.486+/-0.086 χ^2/NDF: 20280645.1/93

\- sign 858.937+/-0.123 χ^2/NDF: 11148816.7/48

asym_sam3_mean vs Slug



Right In: 830.425+/-593.433 χ^2/NDF: 25.0/19

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1386.227+/-577.196 χ^2/NDF: 18.5/25

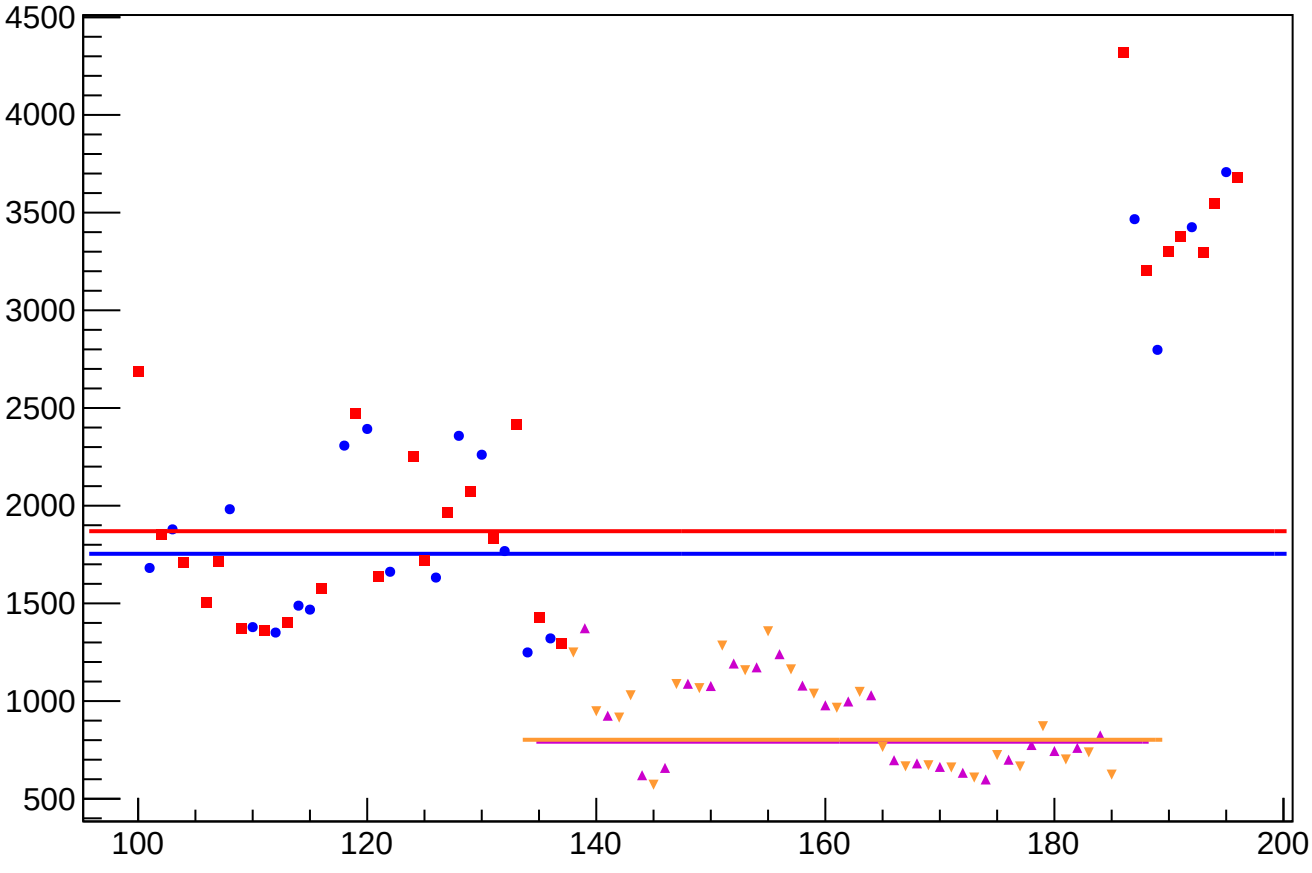
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.241+/-180.086 χ^2/NDF: 92.2/44

All: 536.462+/-127.956 χ^2/NDF: 149.6/93

- sign 194.109+/-181.840 χ^2/NDF: 50.3/48

asym_sam3_rms vs Slug



Right In: 1753.794+/-0.420 χ^2/NDF: 1901429.3/19

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1869.483+/-0.408 χ^2/NDF: 2690338.7/25

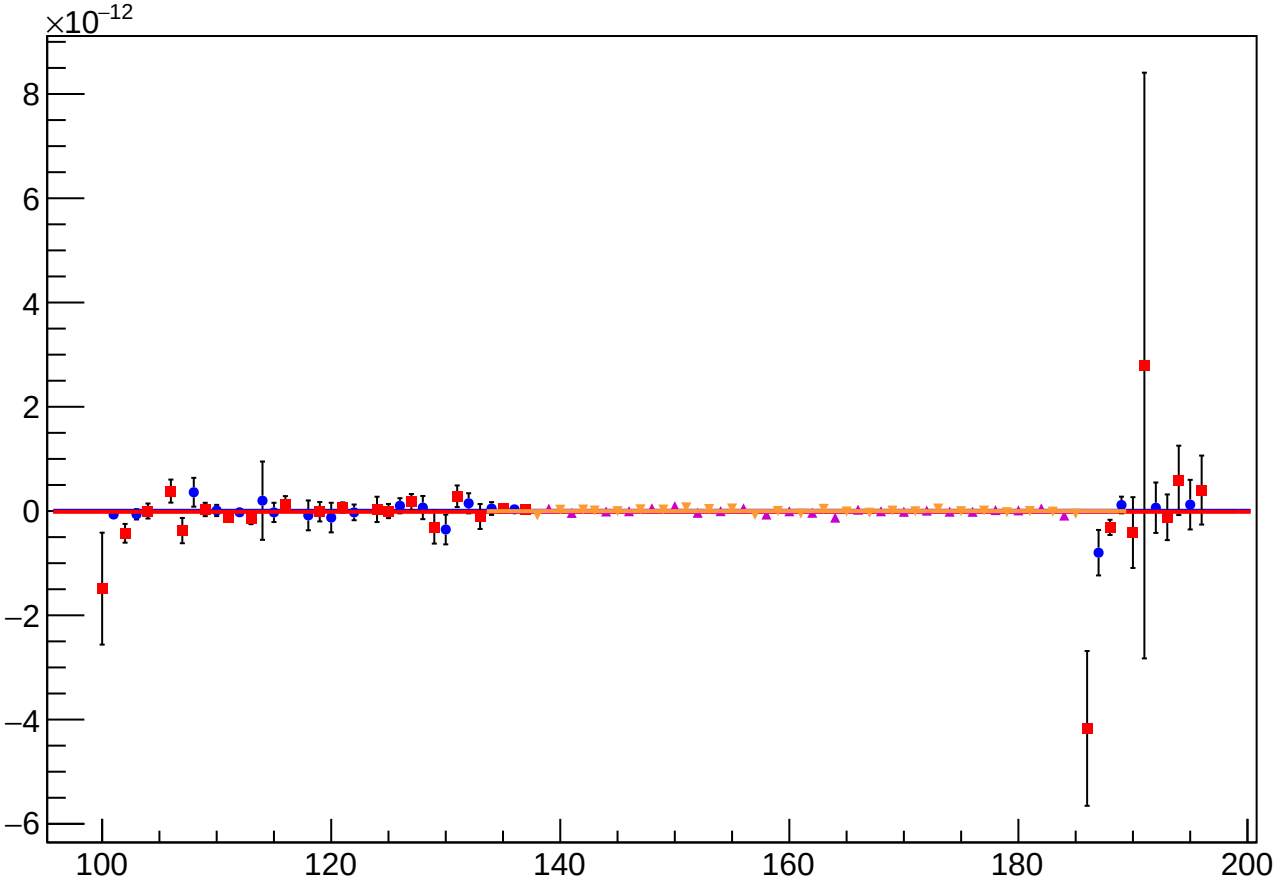
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 889.664+/-0.127 χ^2/NDF: 8968370.9/44

All: 894.284+/-0.090 χ^2/NDF: 20074063.4/93

- sign 898.995+/-0.129 χ^2/NDF: 11103033.9/48

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

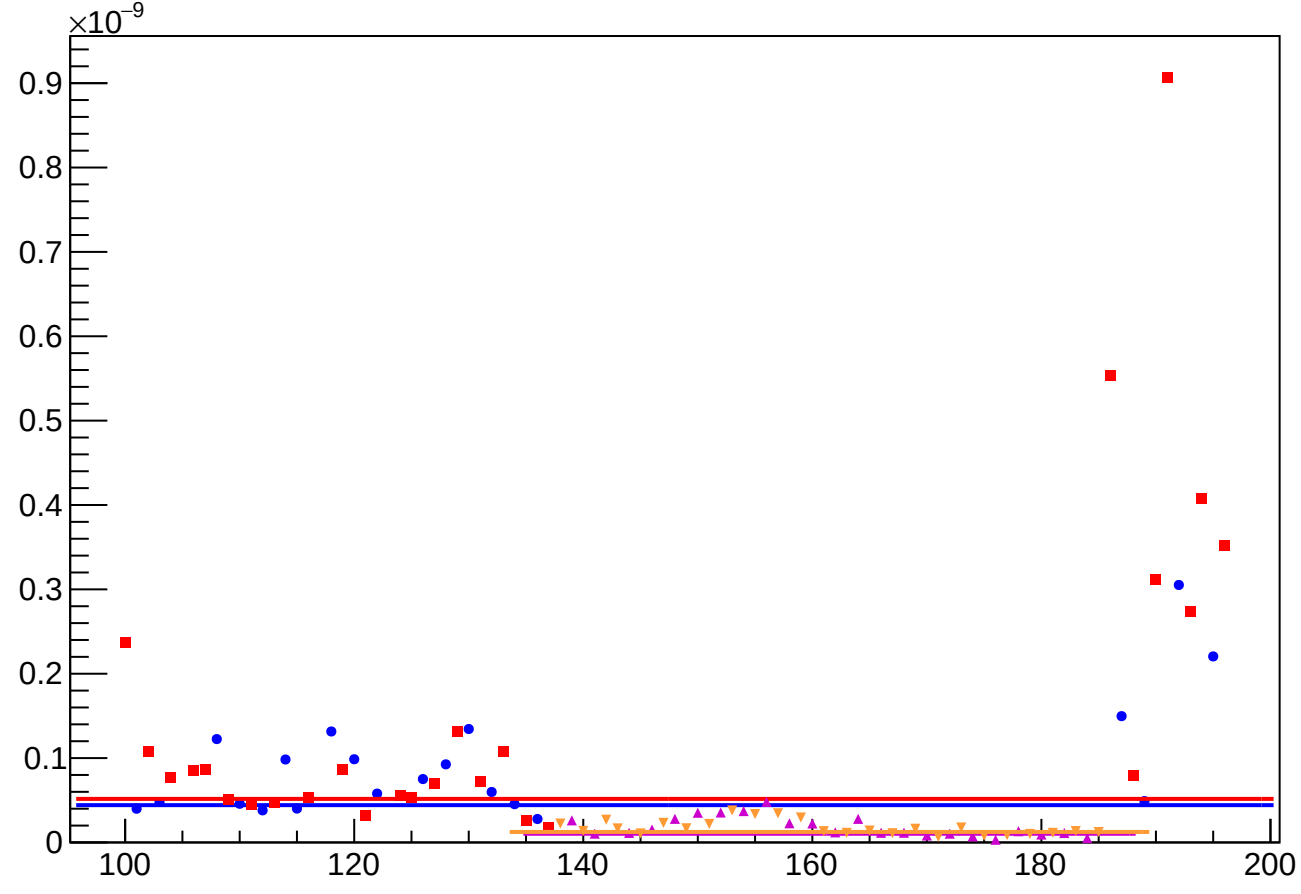
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/25

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/44

All: -0.000+/-0.000 χ^2/NDF: 104.6/93

- sign -0.000+/-0.000 χ^2/NDF: 69.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2133054.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3595013.7/25

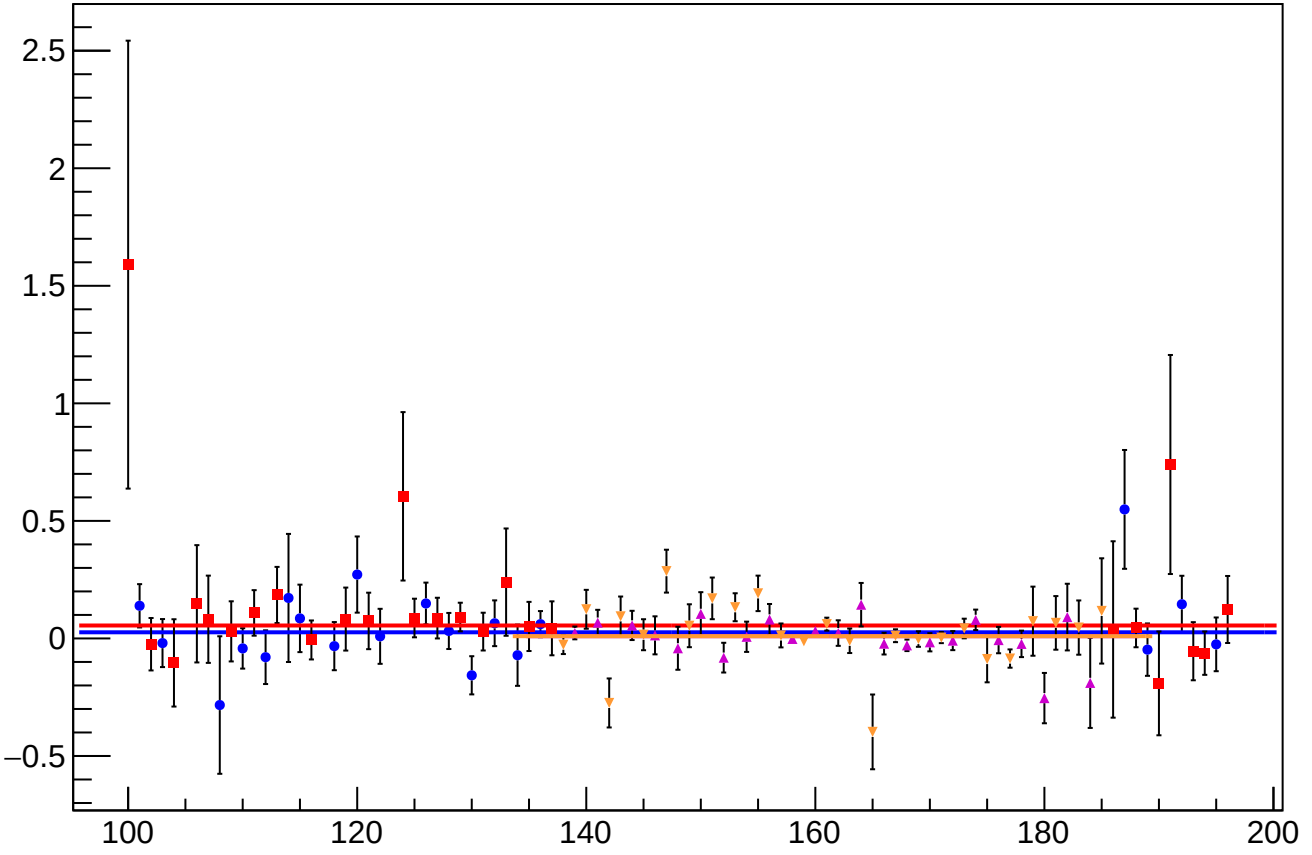
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7055727.5/44

All: 0.000+/-0.000 χ^2/NDF: 18342535.4/93

- sign 0.000+/-0.000 χ^2/NDF: 11090324.0/48

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

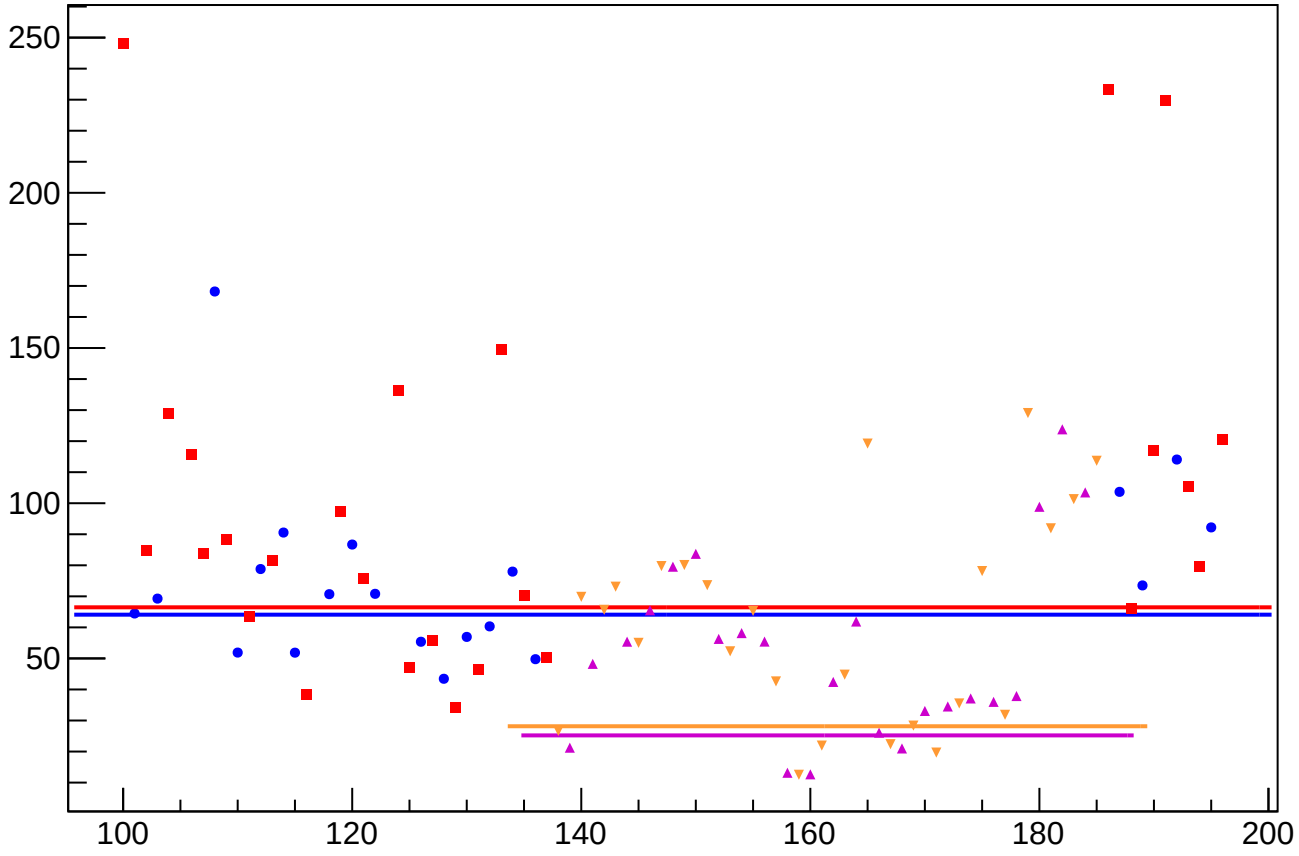
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 121.4/93

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 64.095+/-0.016 χ^2/NDF: 1283139.1/19

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 66.467+/-0.016 χ^2/NDF: 3370120.0/25

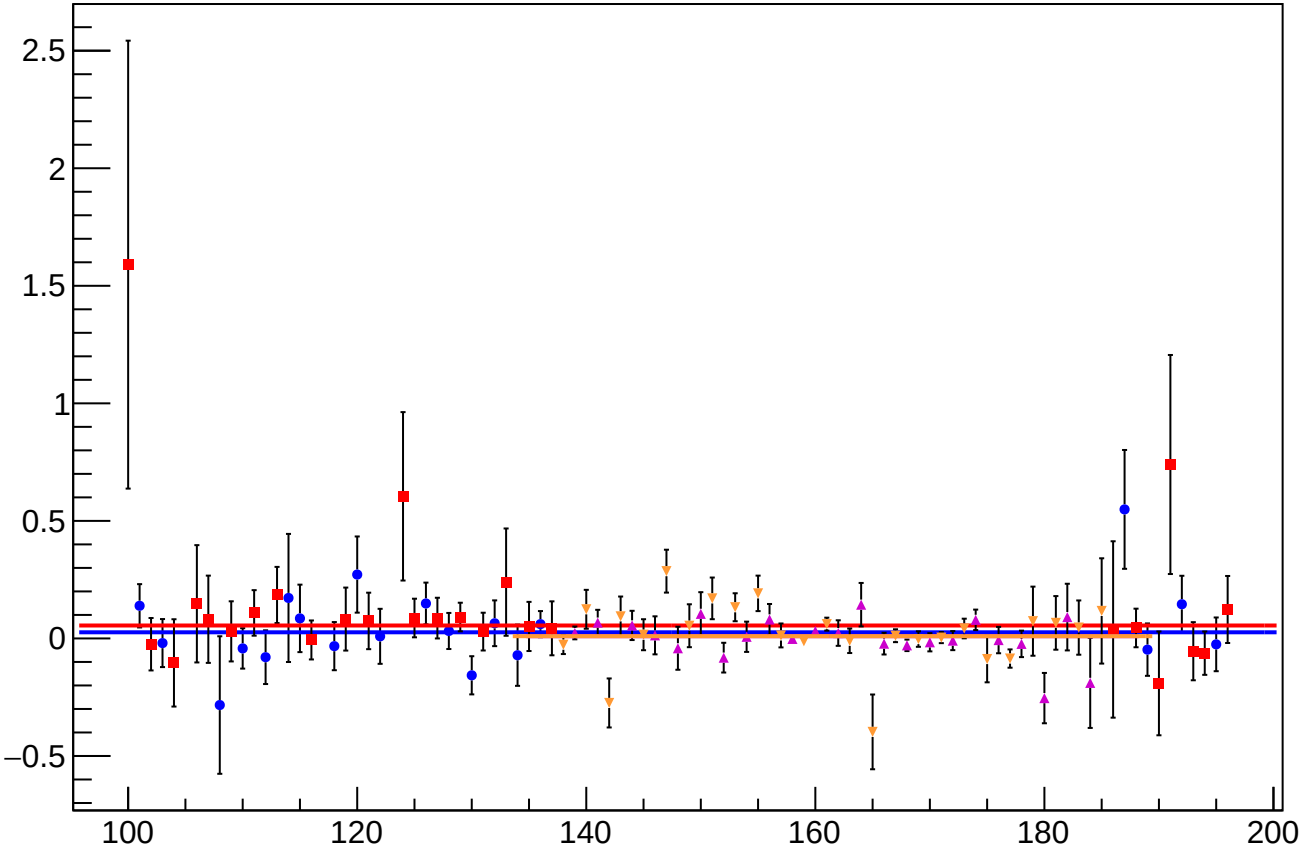
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.419+/-0.006 χ^2/NDF: 16643027.6/44

All: 31.012+/-0.004 χ^2/NDF: 36087387.6/93

- sign 29.765+/-0.005 χ^2/NDF: 19325833.1/48

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

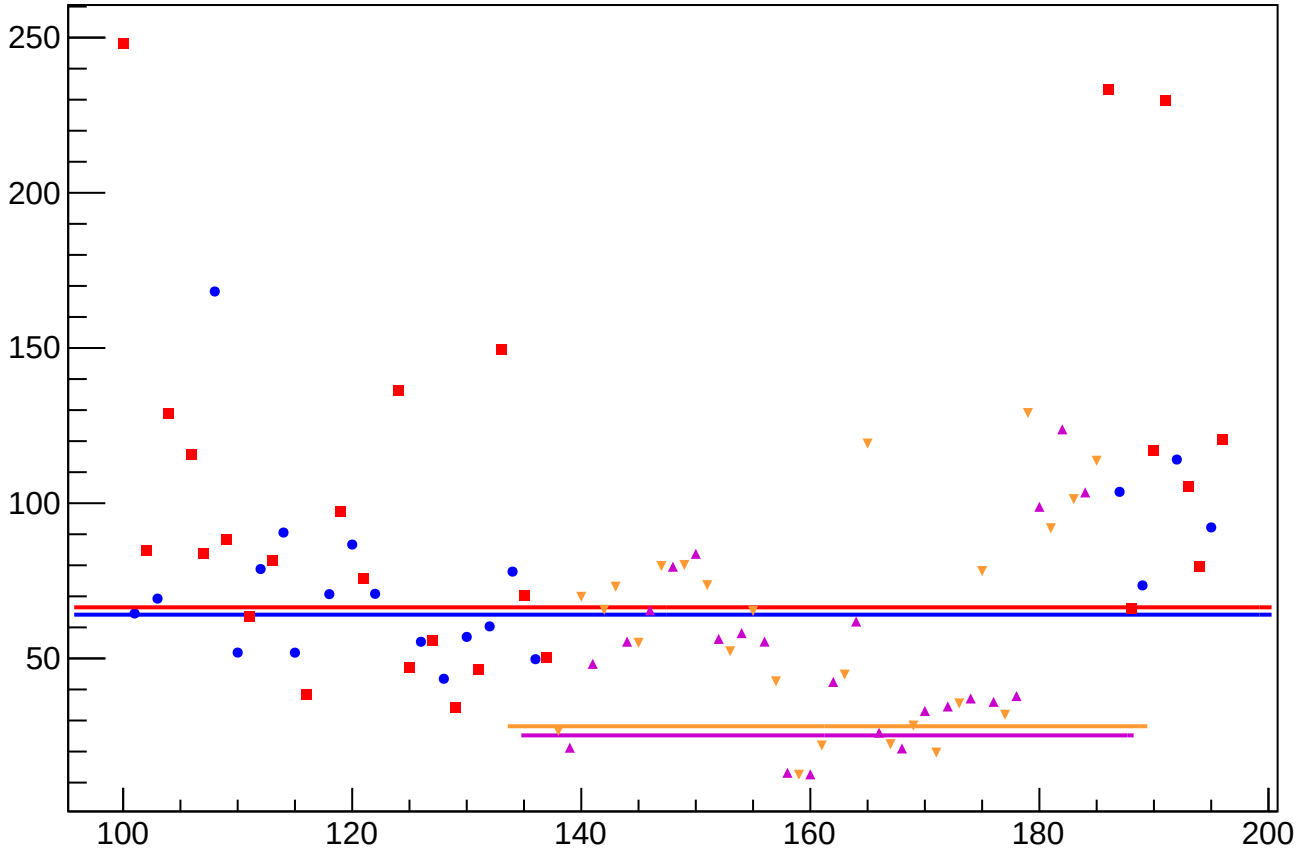
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 121.4/93

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.095+/-0.016 χ^2/NDF: 1283139.1/19

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 66.467+/-0.016 χ^2/NDF: 3370120.0/25

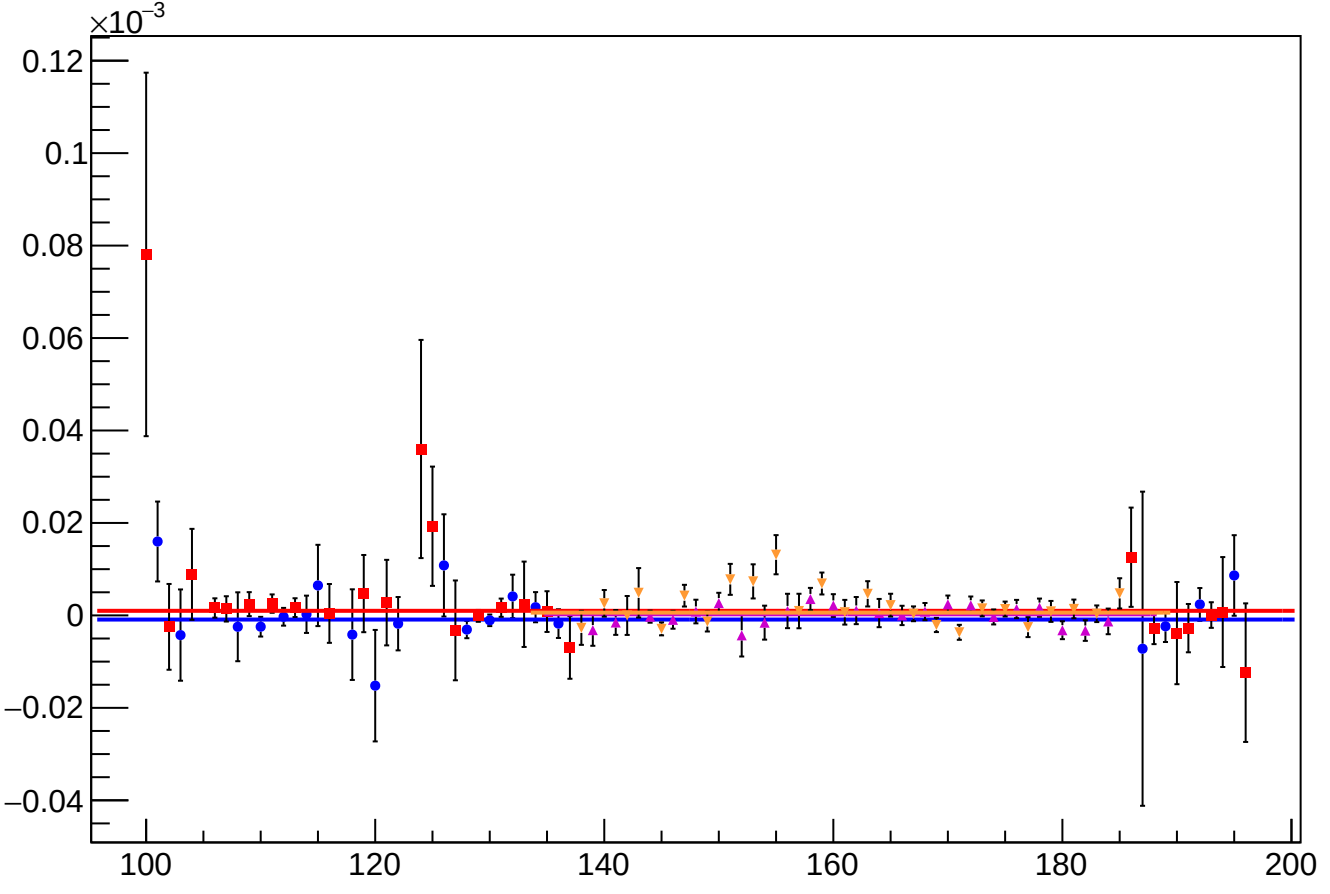
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.419+/-0.006 χ^2/NDF: 16643027.6/44

All: 31.012+/-0.004 χ^2/NDF: 36087387.6/93

- 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: 13.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/25

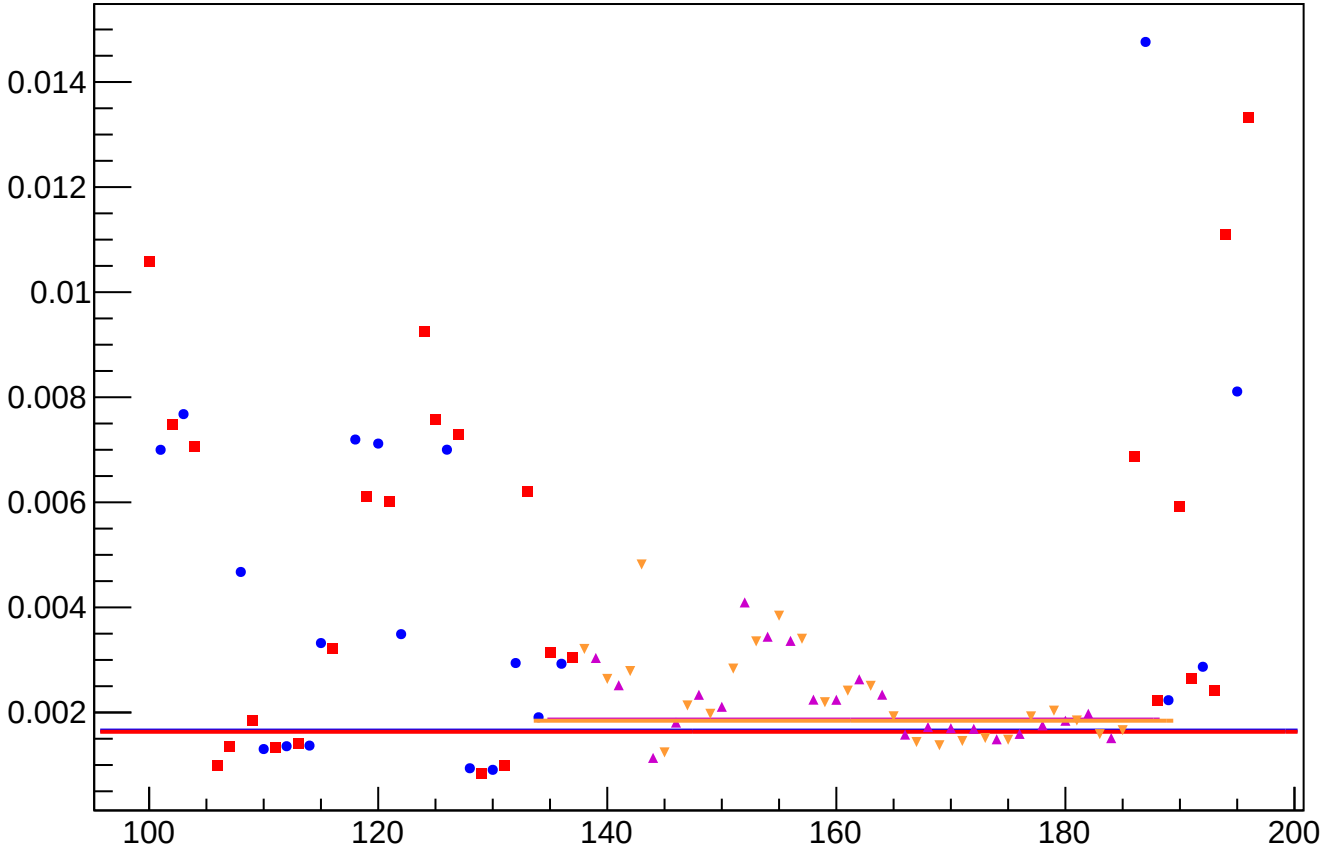
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/44

All: 0.000+/-0.000 χ^2/NDF: 103.7/93

- 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: 6934919.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9503370.0/25

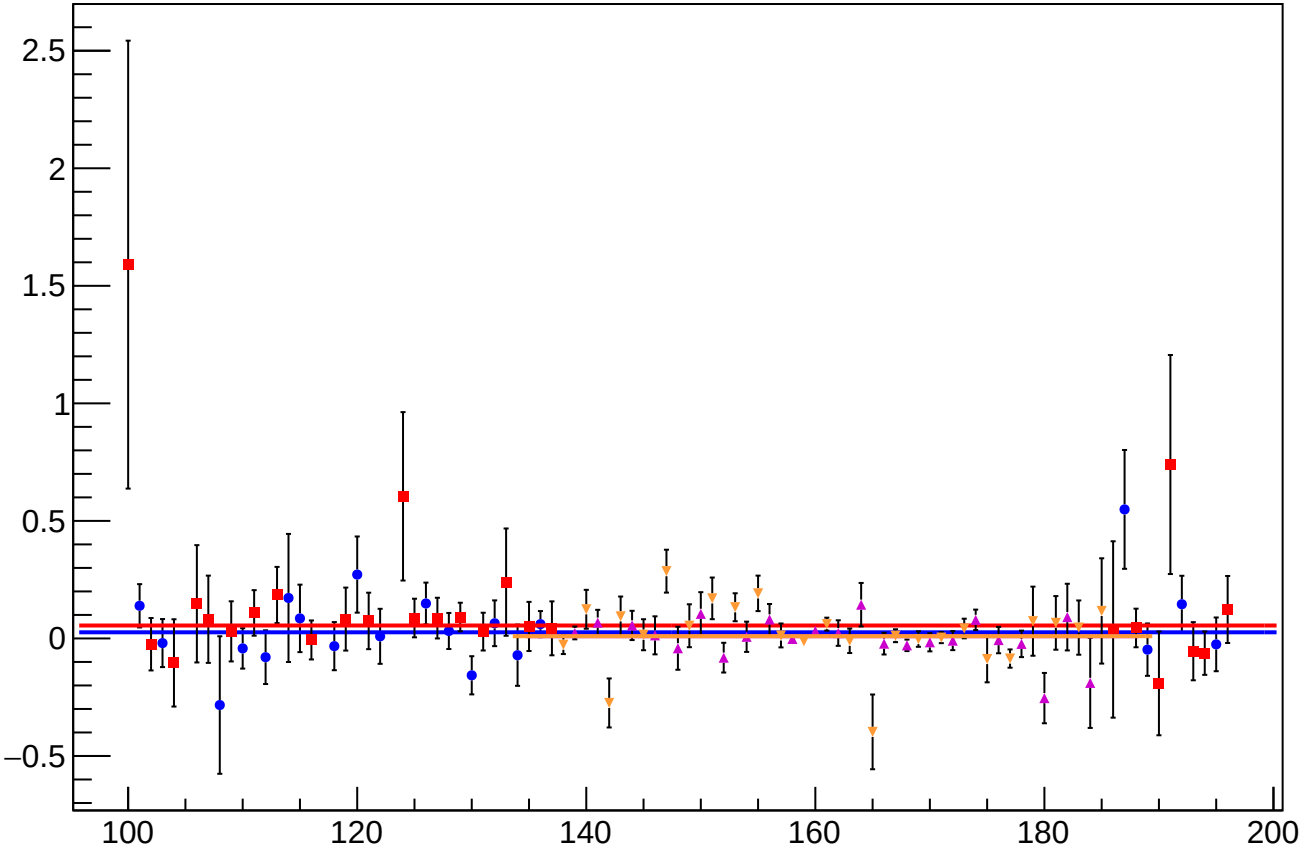
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 10819583.3/44

All: 0.002+/-0.000 χ^2/NDF: 23285780.1/93

- sign 0.002+/-0.000 χ^2/NDF: 12466184.2/48

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

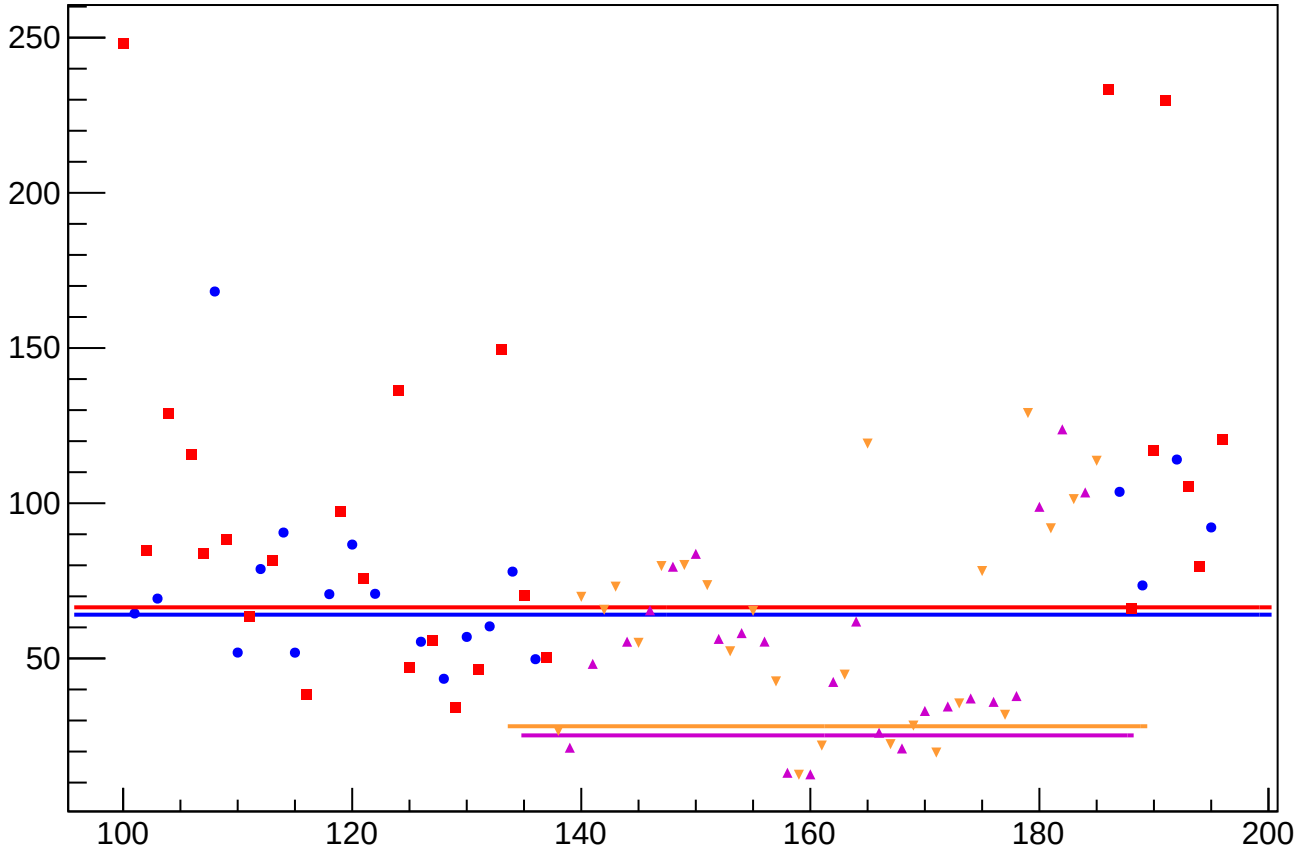
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 121.4/93

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 64.096+/-0.016 χ^2/NDF: 1283135.5/19

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 66.468+/-0.016 χ^2/NDF: 3370145.3/25

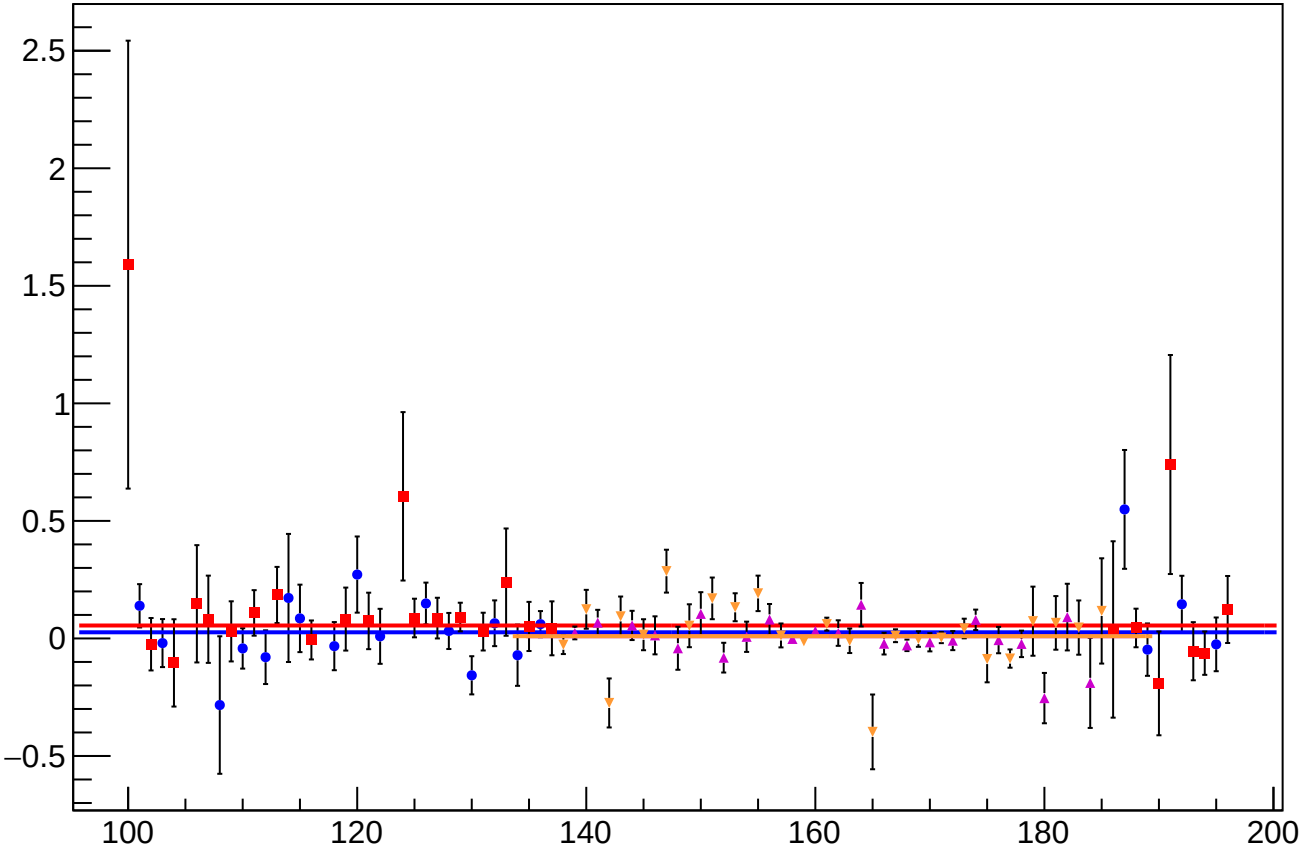
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 32.418+/-0.006 χ^2/NDF: 16644439.5/44

All: 31.011+/-0.004 χ^2/NDF: 36089518.4/93

\- sign 29.764+/-0.005 χ^2/NDF: 19326626.7/48

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

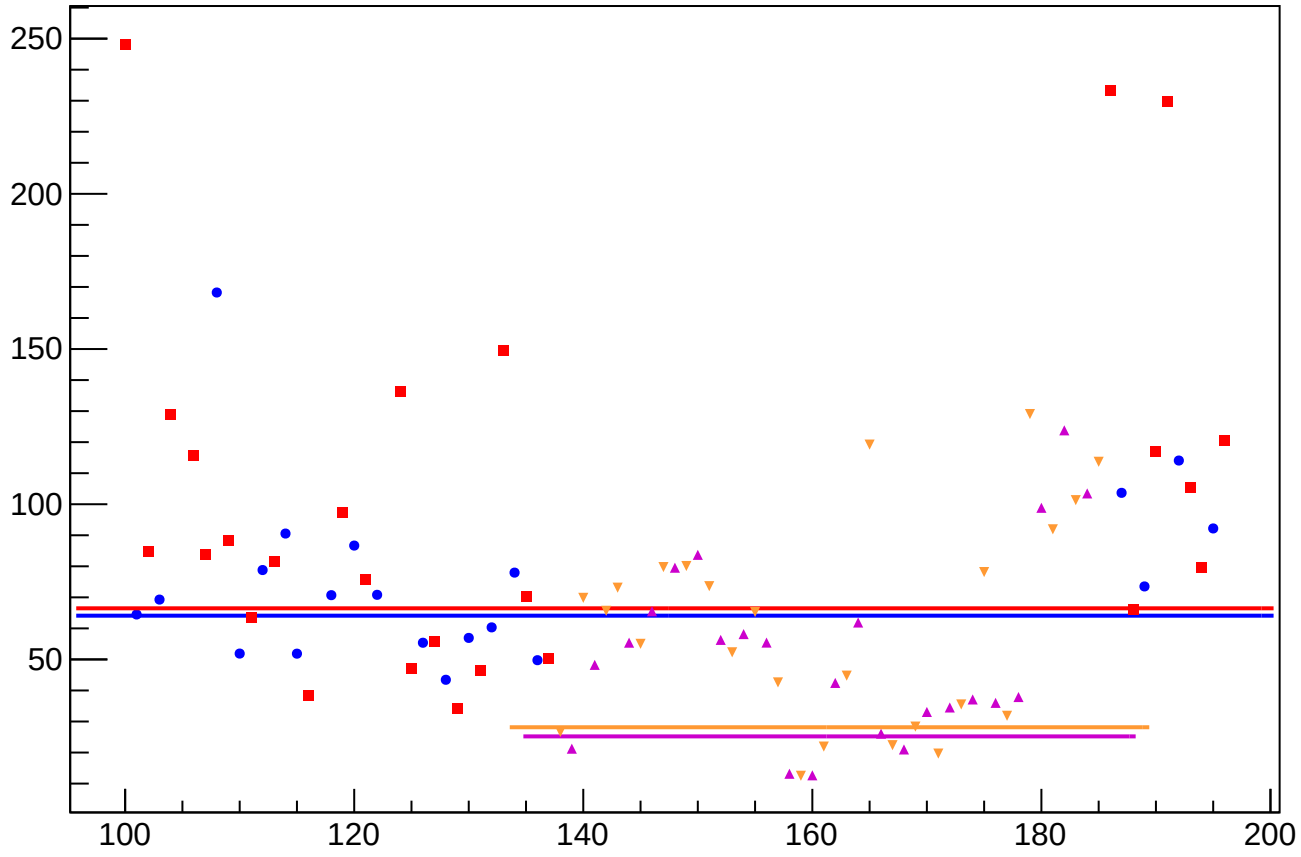
Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 121.4/93

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48



Right In: 64.096+/-0.016 χ^2/NDF: 1283135.5/19

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

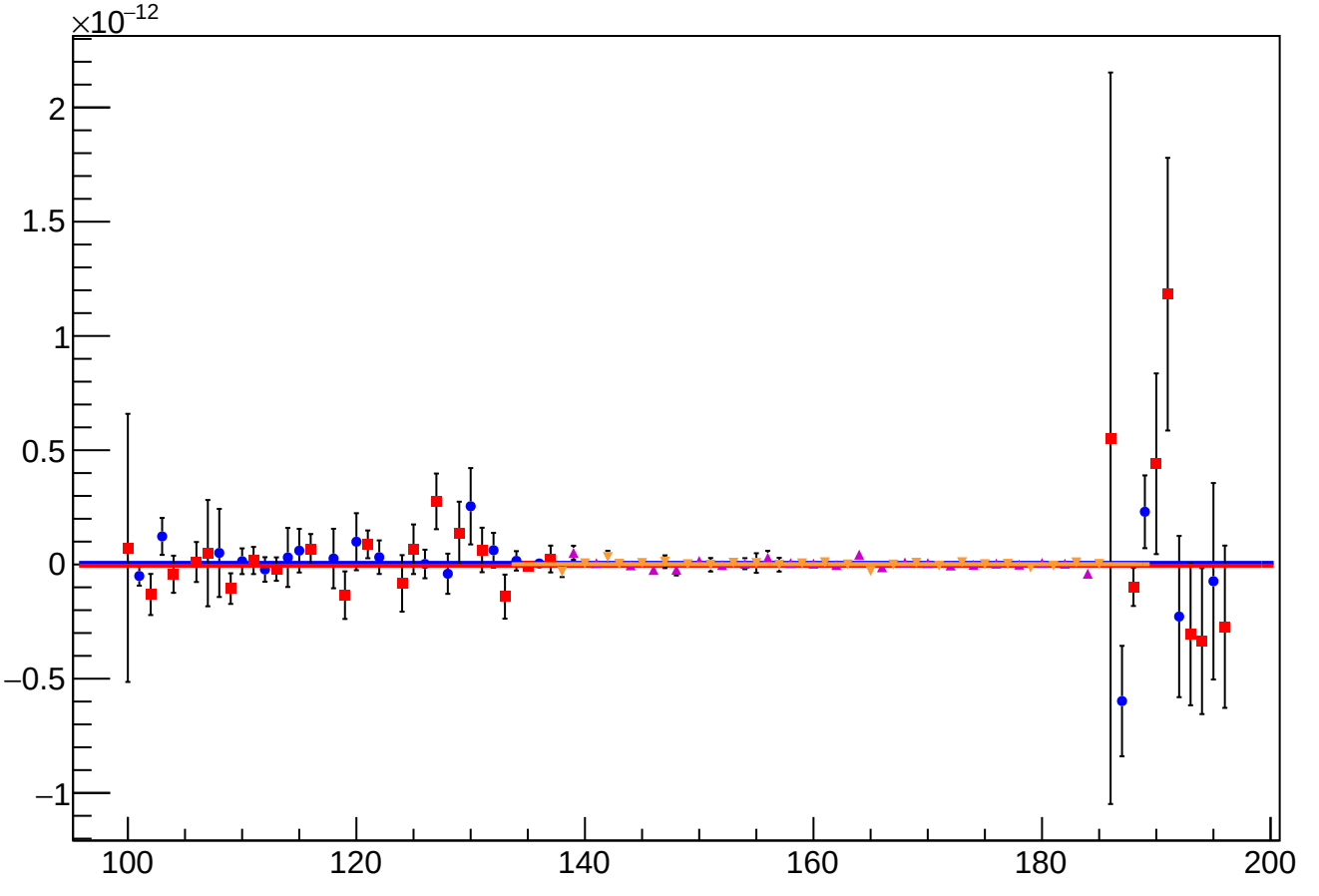
Right Out: 66.468+/-0.016 χ^2/NDF: 3370145.3/25

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.418+/-0.006 χ^2/NDF: 16644439.5/44

All: 31.011+/-0.004 χ^2/NDF: 36089518.4/93

- sign 29.764+/-0.005 χ^2/NDF: 19326626.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

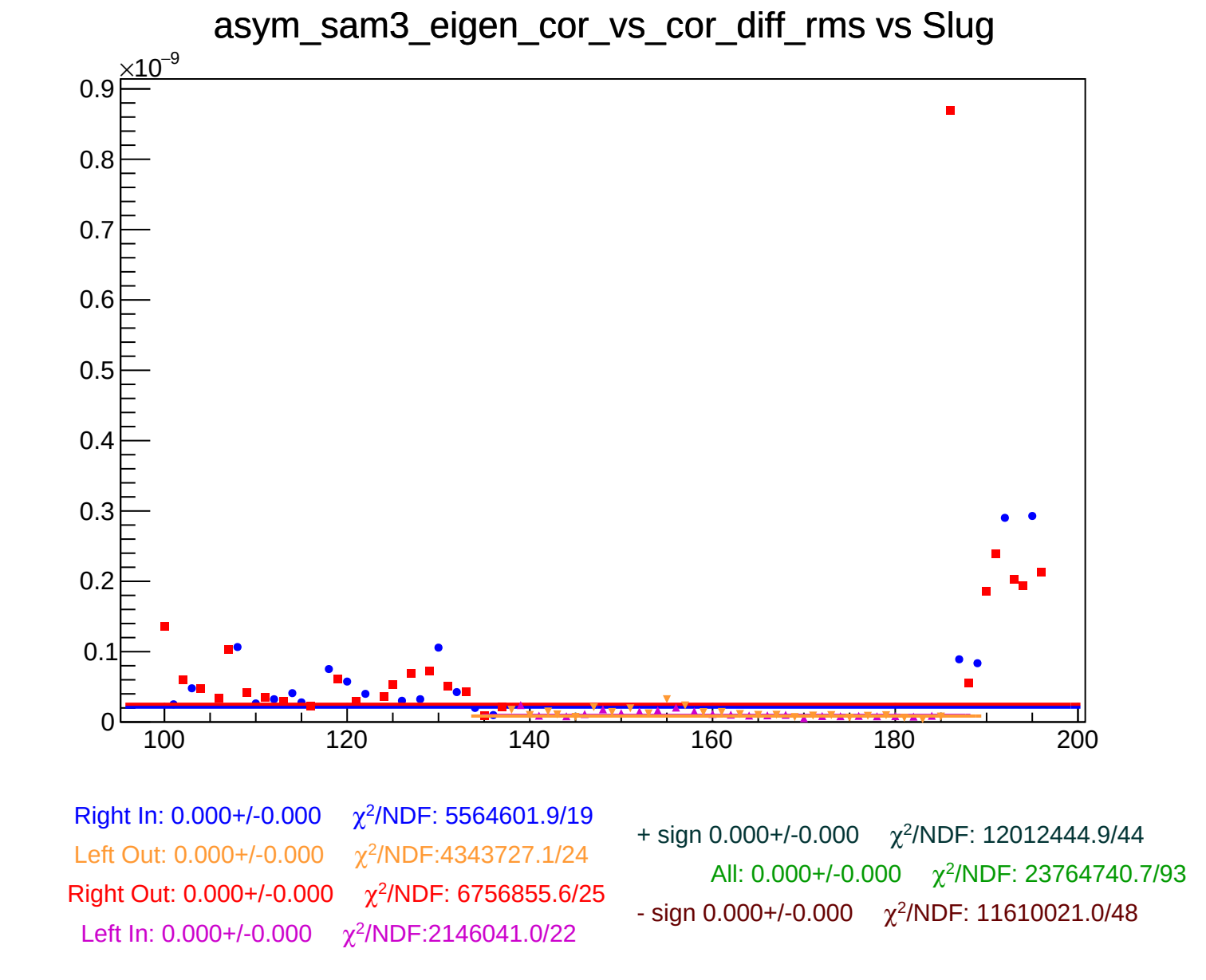
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/25

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

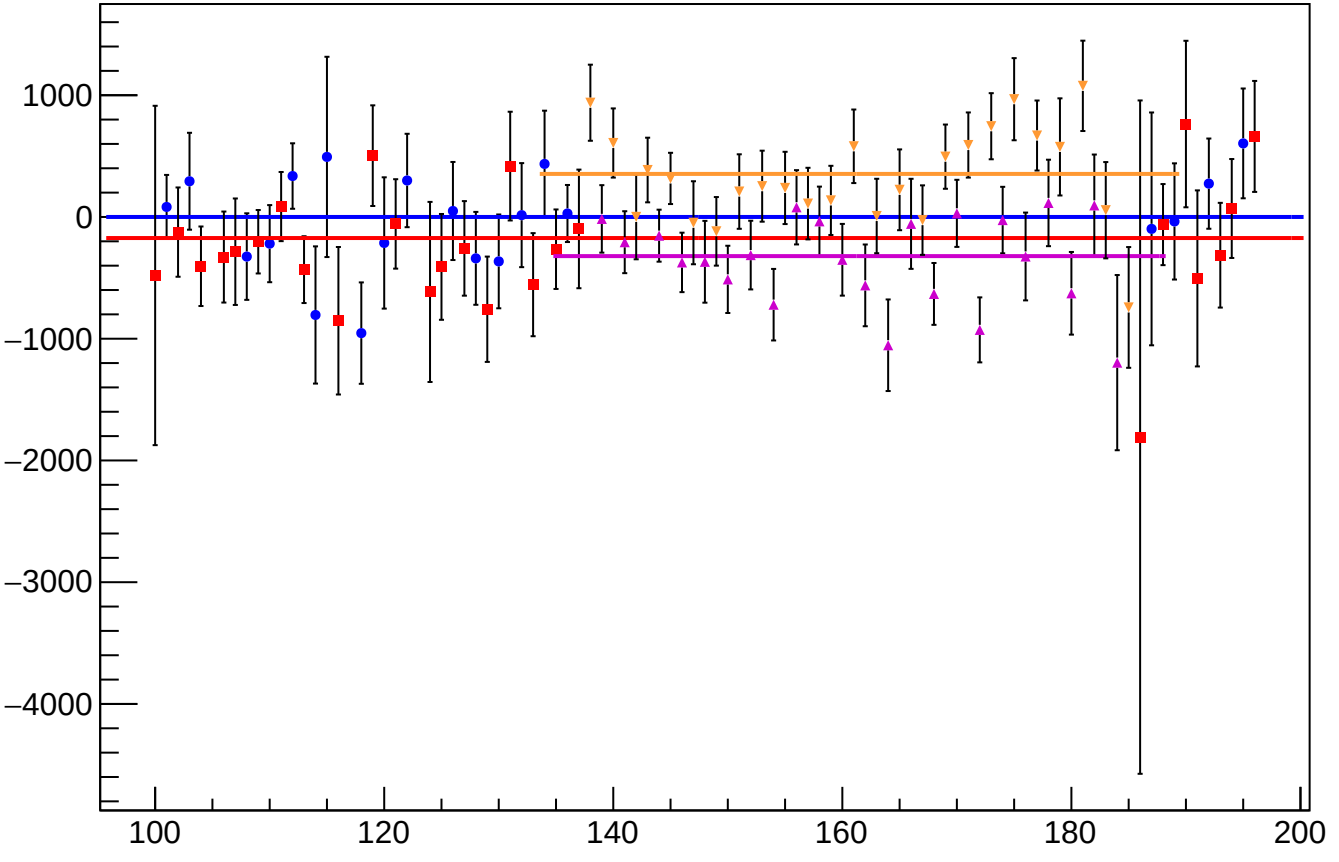
+ sign 0.000+/-0.000 χ^2/NDF: 28.6/44

All: 0.000+/-0.000 χ^2/NDF: 78.6/93

- sign 0.000+/-0.000 χ^2/NDF: 50.0/48


asym_sam3_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: 5564601.9/19
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6756855.6/25
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
+ sign 0.000+/-0.000 χ²/NDF: 12012444.9/44
All: 0.000+/-0.000 χ²/NDF: 23764740.7/93
- sign 0.000+/-0.000 χ²/NDF: 11610021.0/48

reg_asym_sam4_mean vs Slug



Right In: 0.067+/-84.678 χ^2/NDF: 17.0/19

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -173.043+/-79.336 χ^2/NDF: 18.2/25

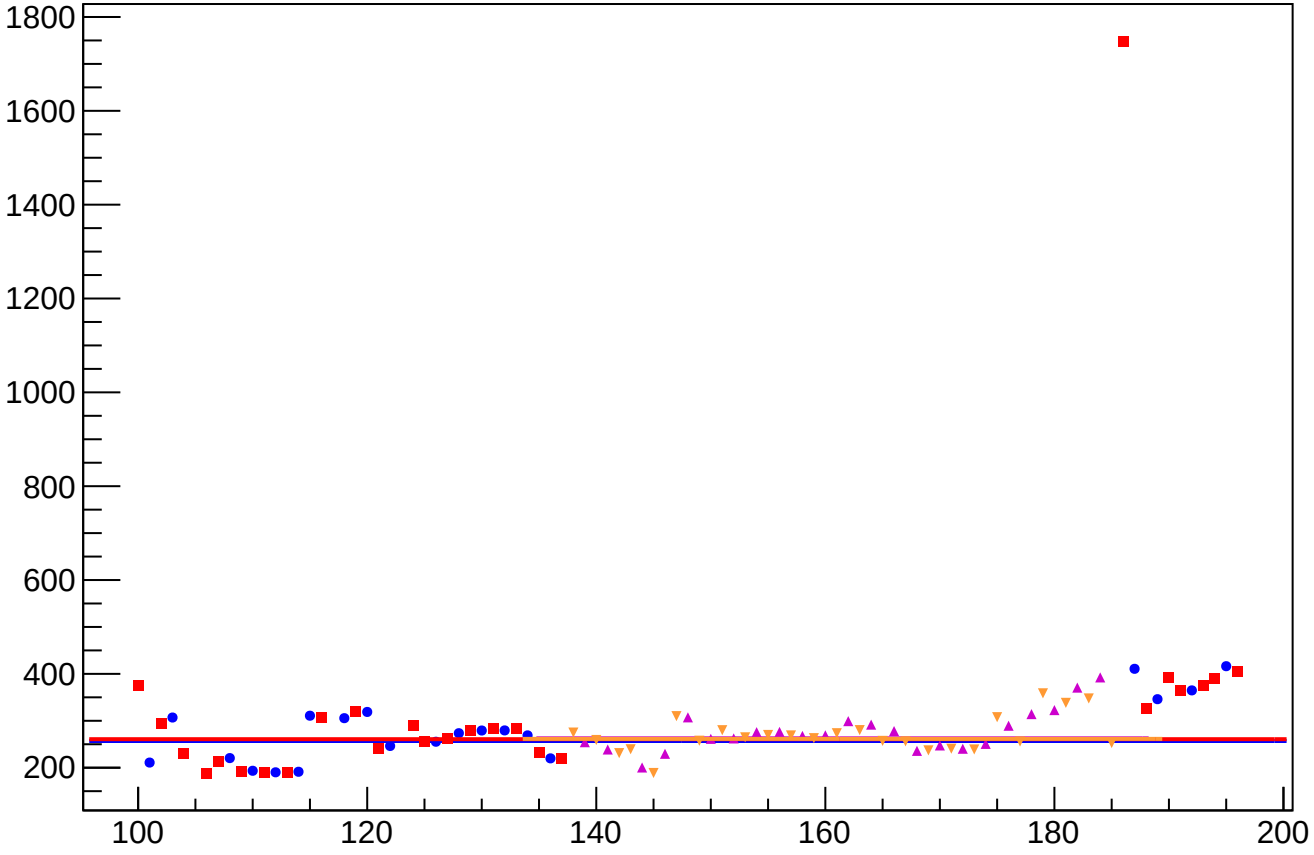
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 235.052+/-49.037 χ^2/NDF: 60.9/44

All: -15.681+/-34.628 χ^2/NDF: 159.6/93

- sign -265.089+/-48.907 χ^2/NDF: 46.5/48

reg_asym_sam4_rms vs Slug



Right In: 256.934+/-0.060 χ^2/NDF: 1016411.4/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.783+/-0.056 χ^2/NDF: 1969187.1/25

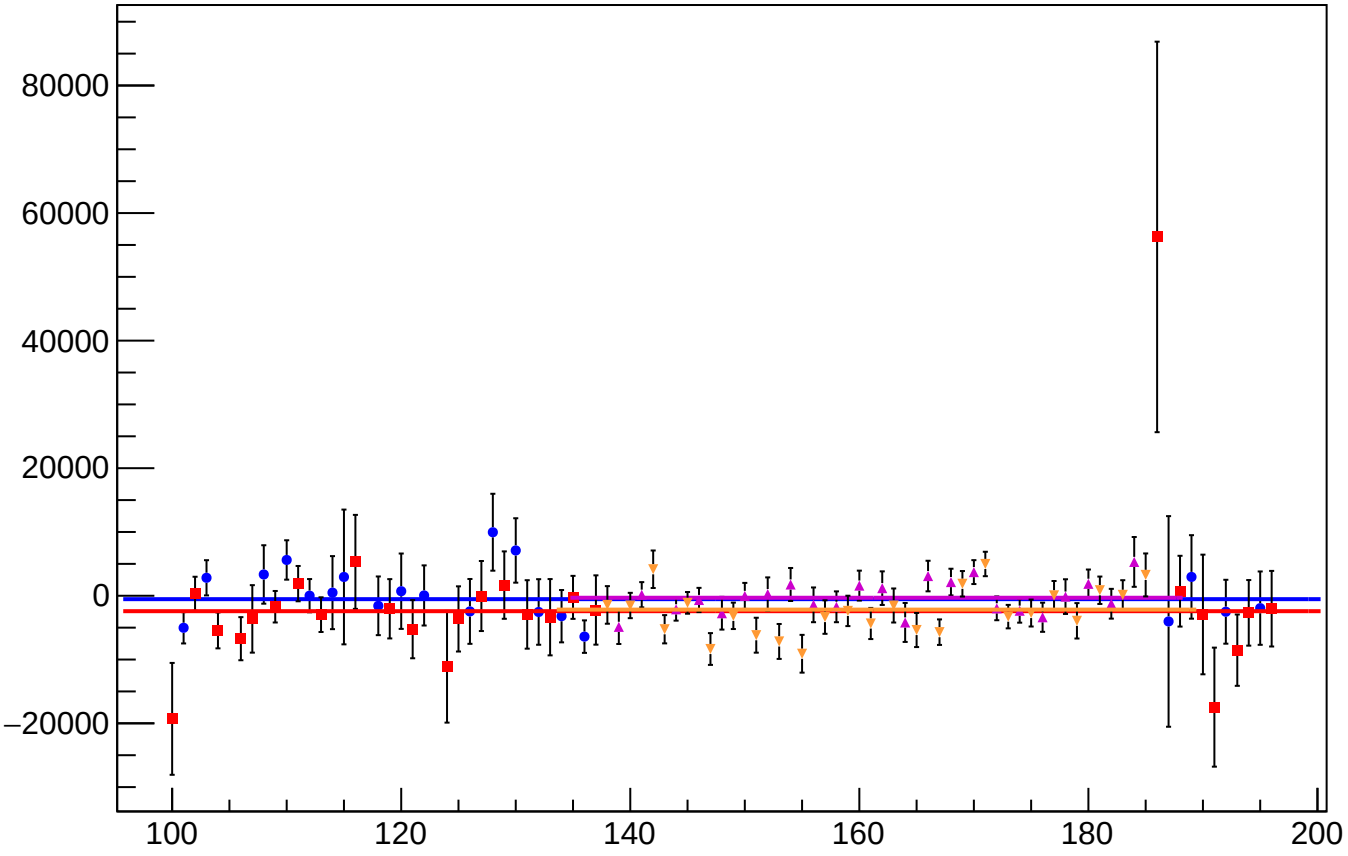
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735693.7/44

All: 260.937+/-0.024 χ^2/NDF: 4377808.9/93

- sign 261.920+/-0.035 χ^2/NDF: 2640495.2/48

asym_sam4_reg_correction_mean vs Slug



Right In: -533.226+/-908.682 χ^2/NDF: 21.7/19

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2418.459+/-843.541 χ^2/NDF: 21.7/25

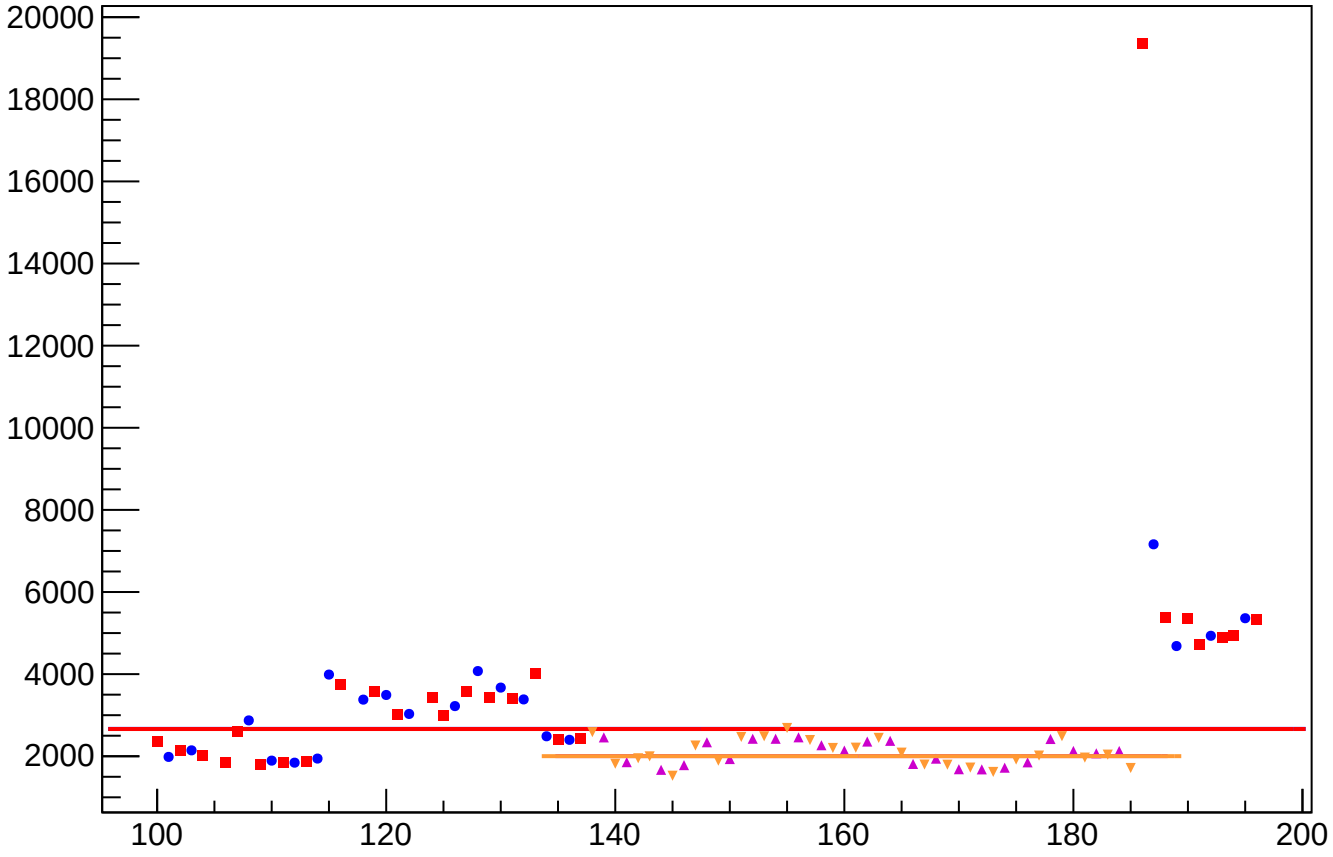
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.670+/-411.579 χ^2/NDF: 79.8/44

All: -1329.422+/-291.632 χ^2/NDF: 132.9/93

- sign -818.964+/-413.287 χ^2/NDF: 50.1/48

asym_sam4_reg_correction_rms vs Slug



Right In: 2666.460+/-0.643 χ^2/NDF: 2181286.8/19

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

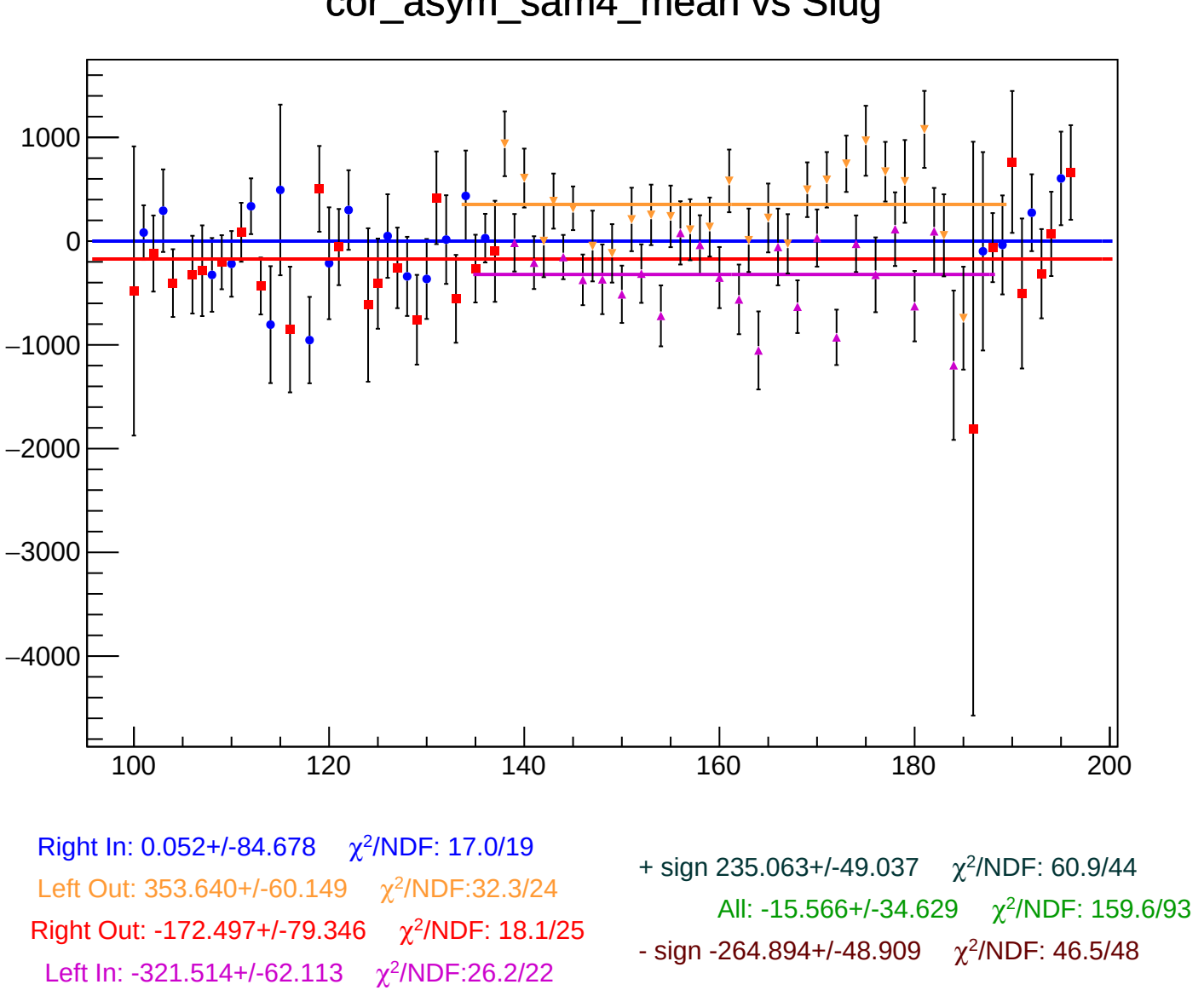
Right Out: 2663.203+/-0.596 χ^2/NDF: 3752184.3/25

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

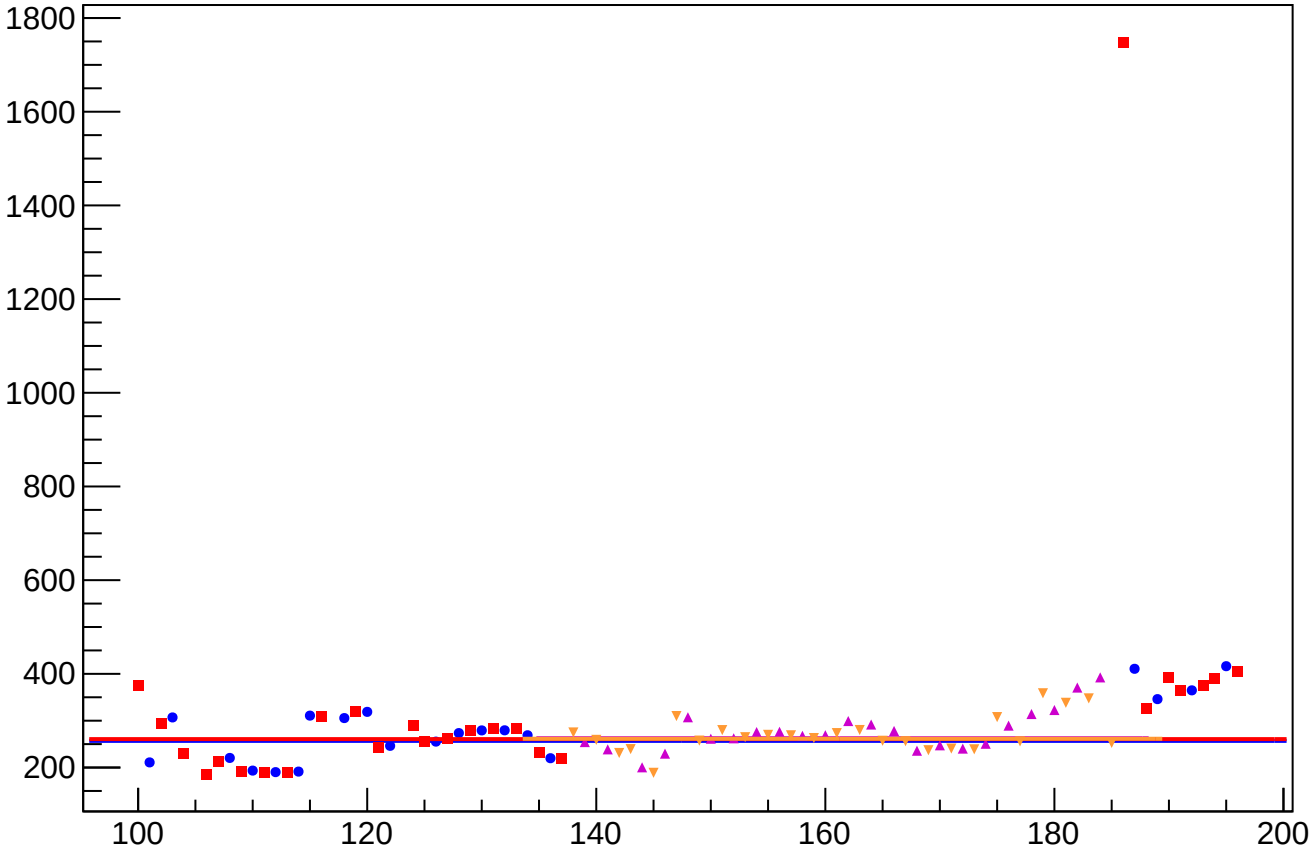
+ sign 2138.499+/-0.291 χ^2/NDF: 3923422.2/44

All: 2150.412+/-0.206 χ^2/NDF: 9311410.7/93

- sign 2162.423+/-0.292 χ^2/NDF: 5384623.8/48


cor_asym_sam4_mean vs Slug
1000
0
−1000
−2000
−3000
−4000
100
120
140
160
180
200
Right In: 0.052+/-84.678 χ²/NDF: 17.0/19
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: -172.497+/-79.346 χ²/NDF: 18.1/25
Left In: -321.514+/-62.113 χ²/NDF:26.2/22
+ sign 235.063+/-49.037 χ²/NDF: 60.9/44
All: -15.566+/-34.629 χ²/NDF: 159.6/93
- sign -264.894+/-48.909 χ²/NDF: 46.5/48

cor_asym_sam4_rms vs Slug



Right In: 256.934+/-0.060 χ^2/NDF: 1016413.3/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.691+/-0.056 χ^2/NDF: 1974290.0/25

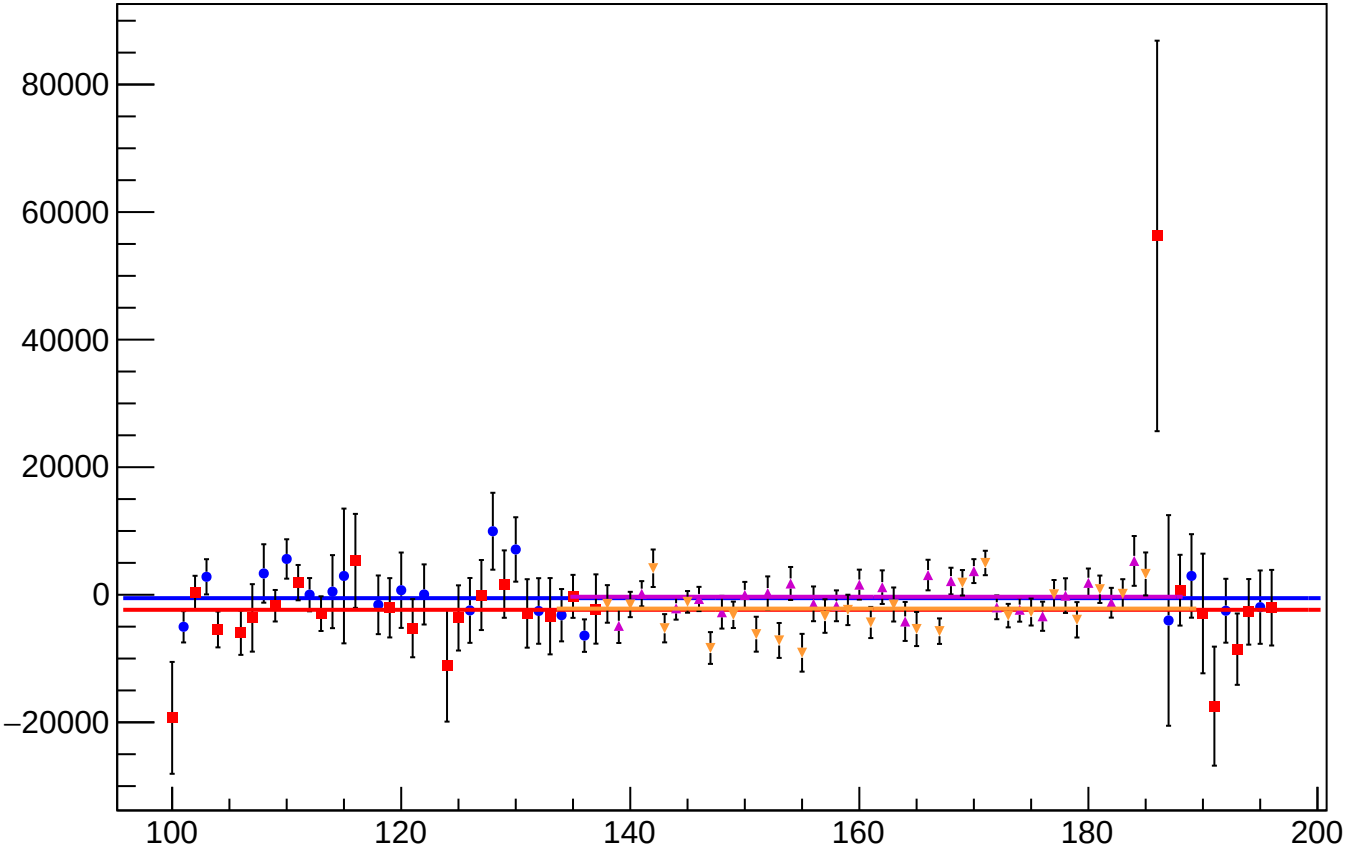
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735695.5/44

All: 260.919+/-0.024 χ^2/NDF: 4382925.0/93

- sign 261.885+/-0.035 χ^2/NDF: 2645666.6/48

asym_sam4_cor_correction_mean vs Slug



Right In: -533.382+/-908.689 χ^2/NDF: 21.7/19

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2359.359+/-844.960 χ^2/NDF: 21.1/25

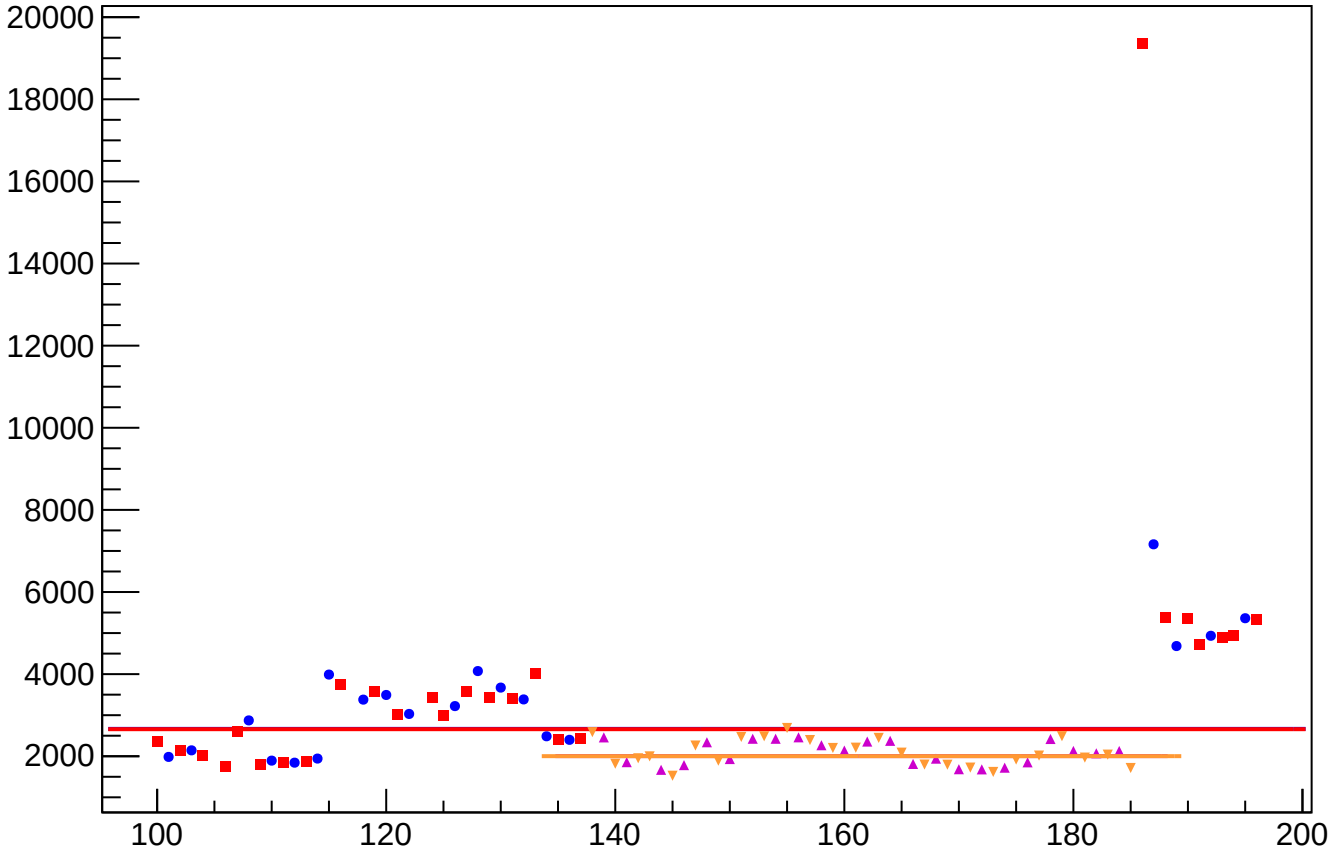
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.683+/-411.579 χ^2/NDF: 79.8/44

All: -1321.950+/-291.691 χ^2/NDF: 132.1/93

- sign -803.528+/-413.453 χ^2/NDF: 49.2/48

asym_sam4_cor_correction_rms vs Slug



Right In: 2666.486+/-0.643 χ^2/NDF: 2181231.1/19

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2659.378+/-0.597 χ^2/NDF: 3777864.0/25

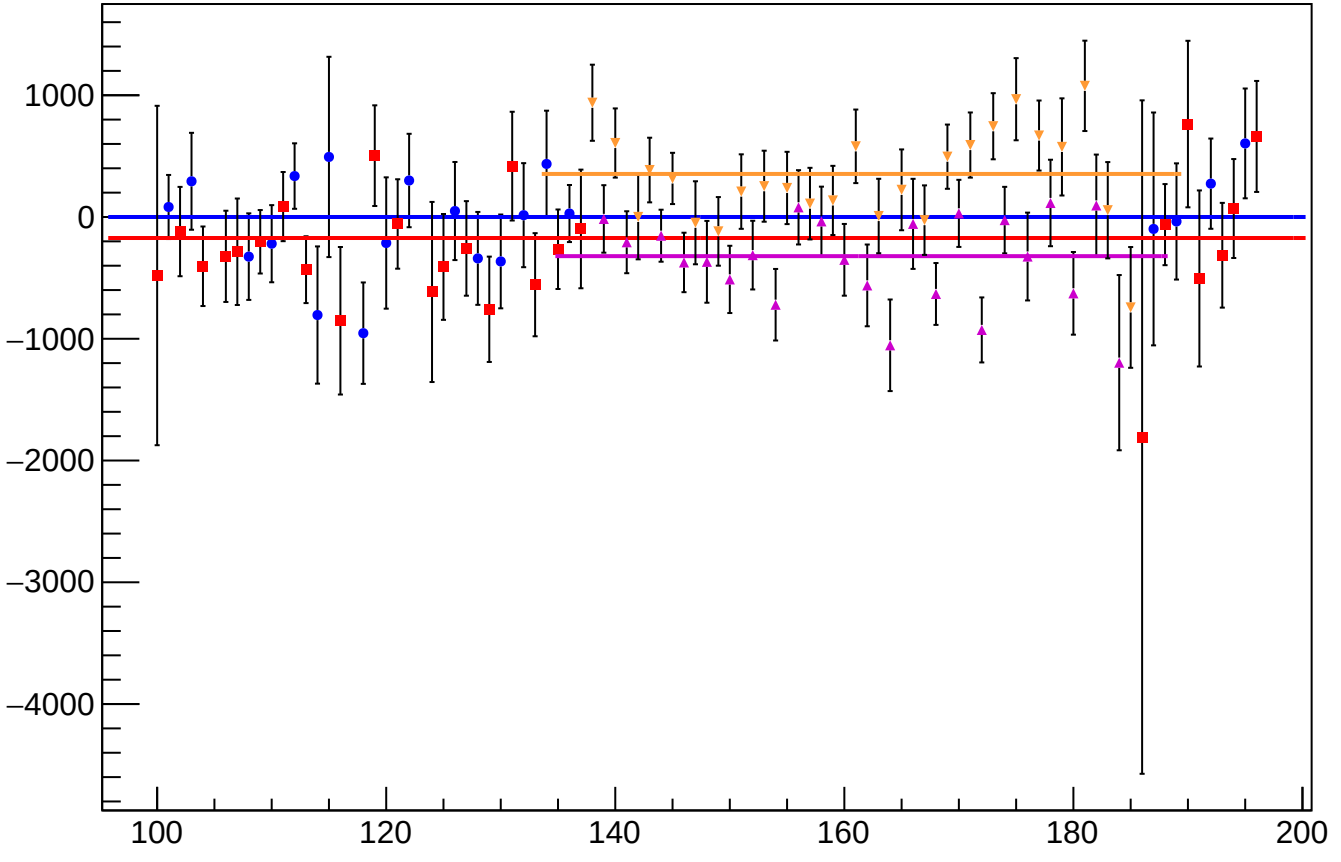
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2138.503+/-0.291 χ^2/NDF: 3923421.4/44

All: 2149.752+/-0.206 χ^2/NDF: 9323650.3/93

- sign 2161.104+/-0.292 χ^2/NDF: 5397227.2/48

eigen_cor_asym_sam4_mean vs Slug



Right In: 0.052+/-84.678 χ^2/NDF: 17.0/19

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -172.497+/-79.346 χ^2/NDF: 18.1/25

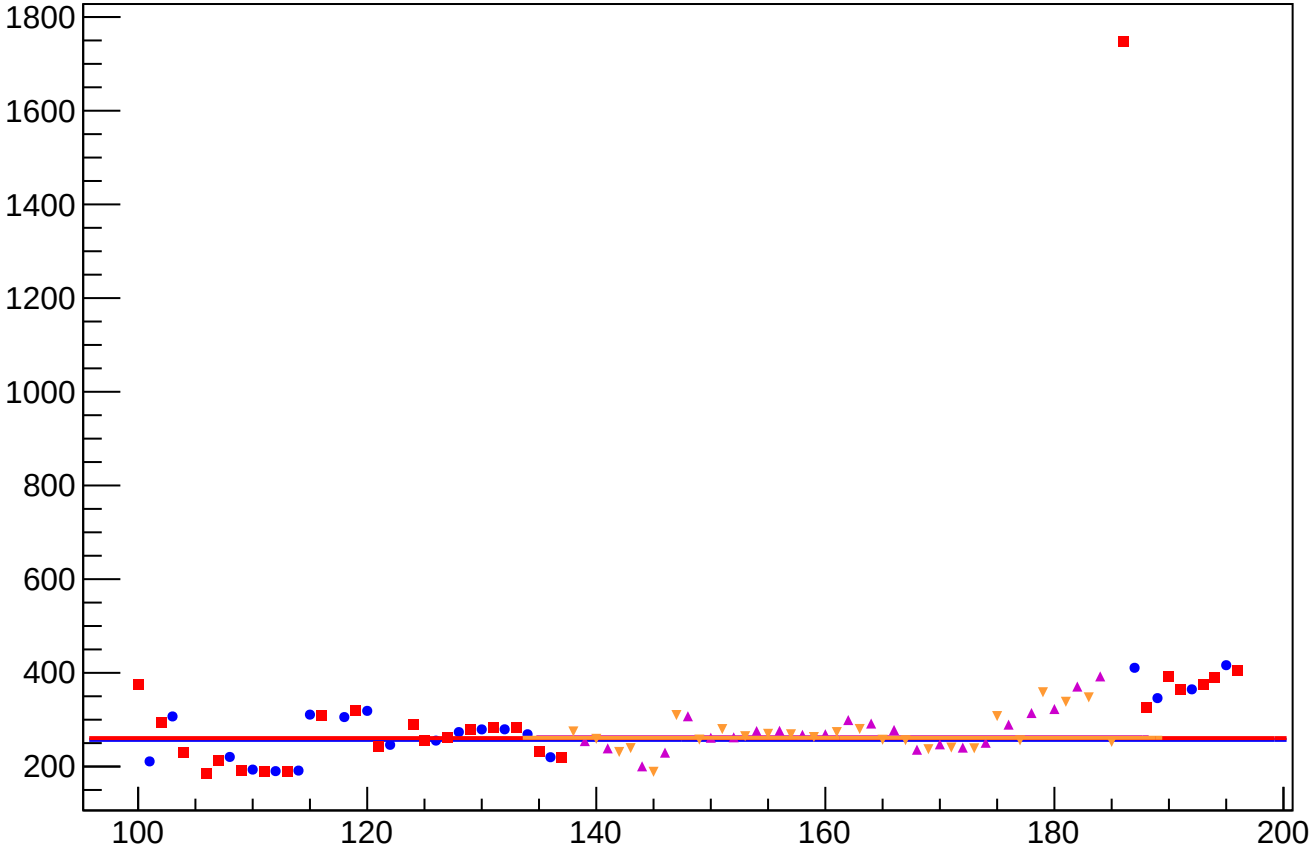
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 235.063+/-49.037 χ^2/NDF: 60.9/44

All: -15.566+/-34.629 χ^2/NDF: 159.6/93

- sign -264.894+/-48.909 χ^2/NDF: 46.5/48

eigen_cor_asym_sam4_rms vs Slug



Right In: 256.934+/-0.060 χ^2/NDF: 1016413.3/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.691+/-0.056 χ^2/NDF: 1974290.0/25

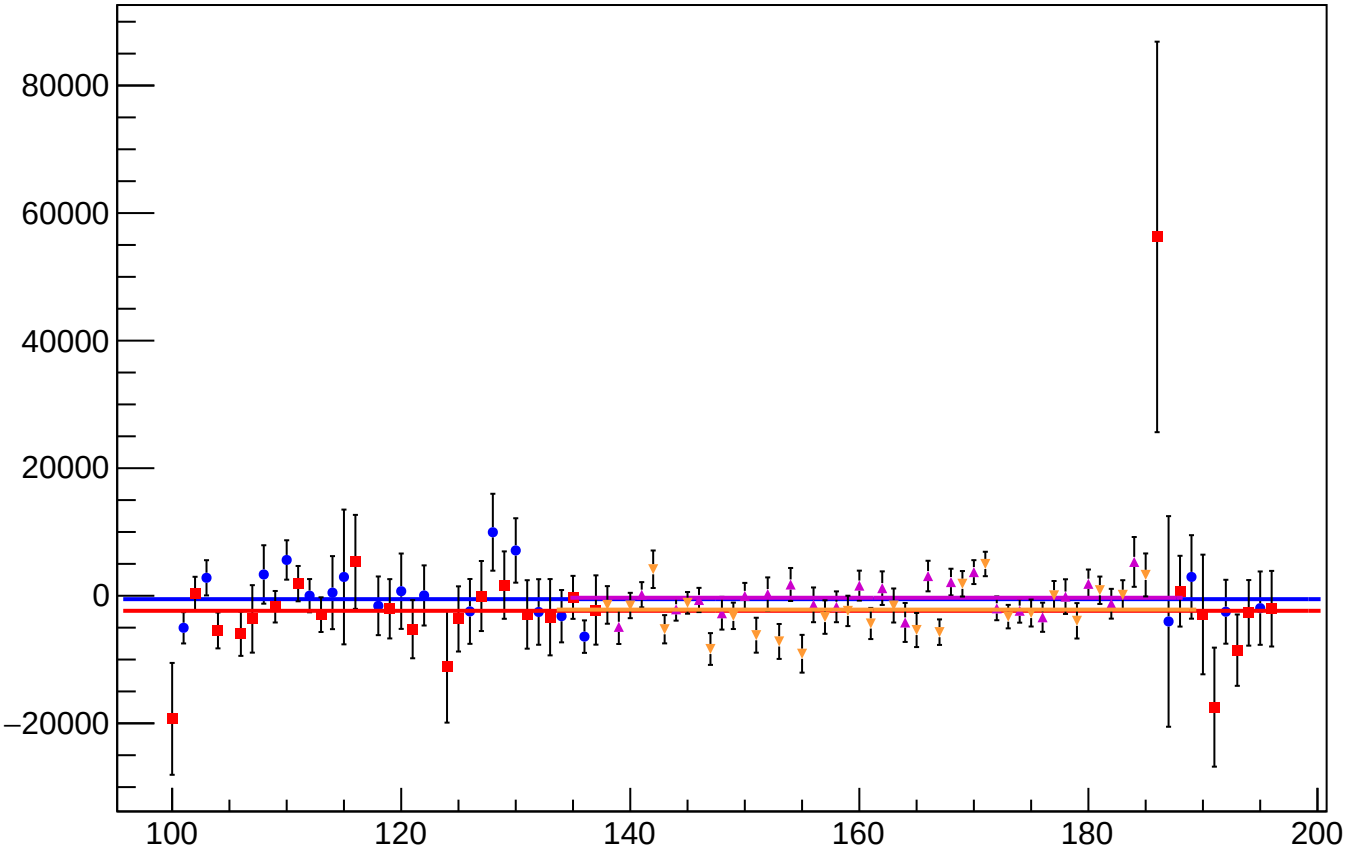
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735695.5/44

All: 260.919+/-0.024 χ^2/NDF: 4382925.0/93

- sign 261.885+/-0.035 χ^2/NDF: 2645666.6/48

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -533.382+/-908.689 χ^2/NDF: 21.7/19

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2359.359+/-844.960 χ^2/NDF: 21.1/25

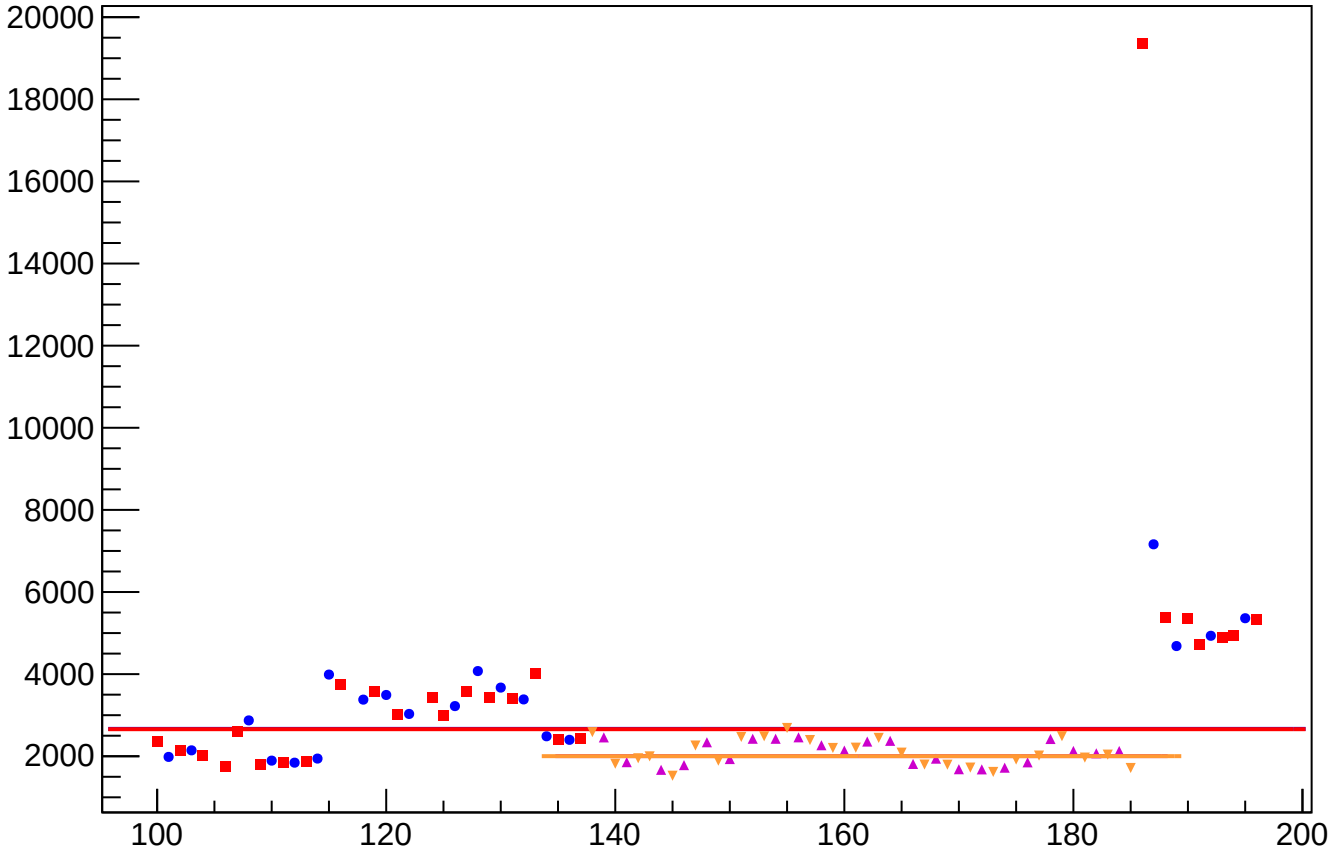
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.683+/-411.579 χ^2/NDF: 79.8/44

All: -1321.950+/-291.691 χ^2/NDF: 132.1/93

- sign -803.528+/-413.453 χ^2/NDF: 49.2/48

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2666.486+/-0.643 χ^2/NDF: 2181231.1/19

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2659.378+/-0.597 χ^2/NDF: 3777864.0/25

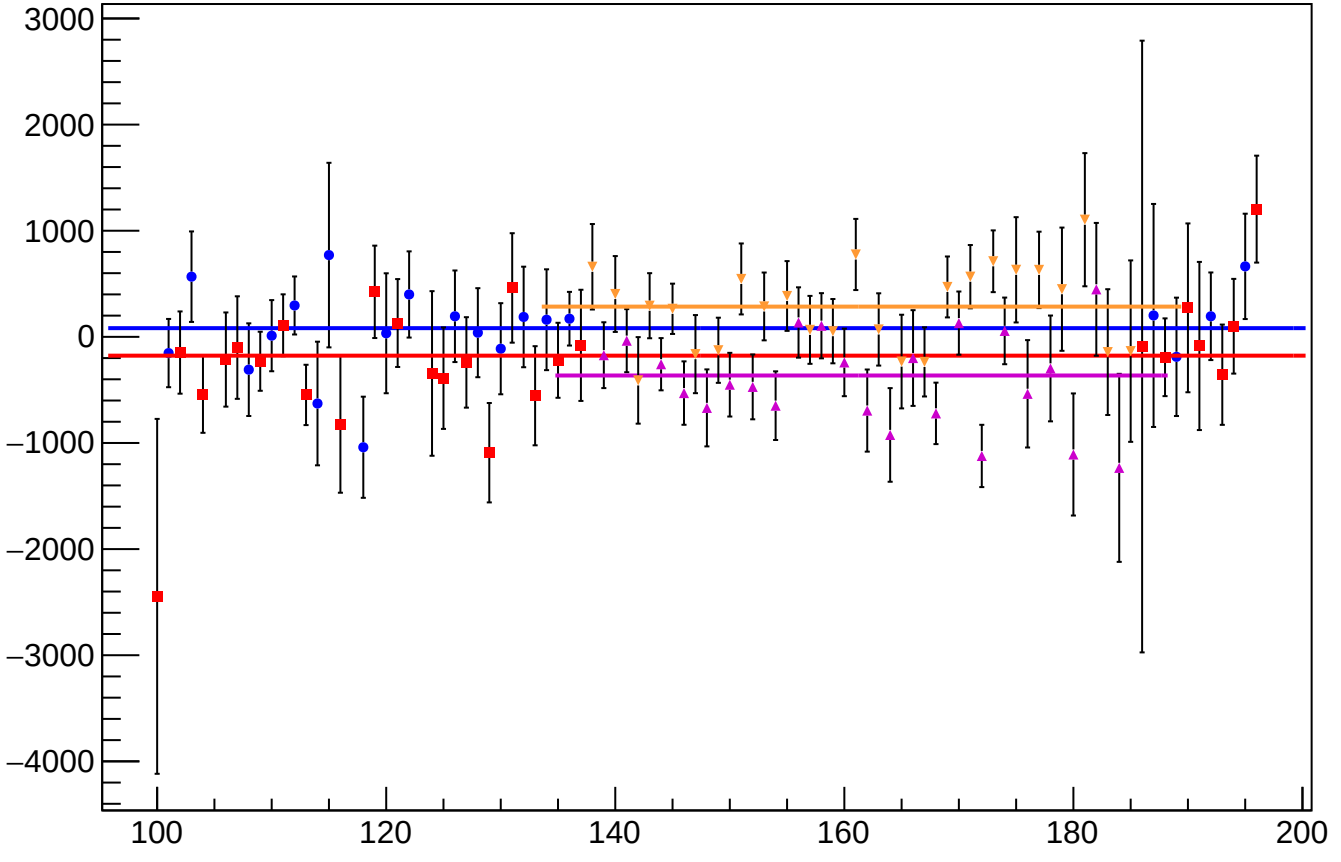
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2138.503+/-0.291 χ^2/NDF: 3923421.4/44

All: 2149.752+/-0.206 χ^2/NDF: 9323650.3/93

- sign 2161.104+/-0.292 χ^2/NDF: 5397227.2/48

dit_asym_sam4_mean vs Slug



Right In: 81.974+/-93.005 χ^2/NDF: 13.7/19

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -177.226+/-86.116 χ^2/NDF: 23.7/25

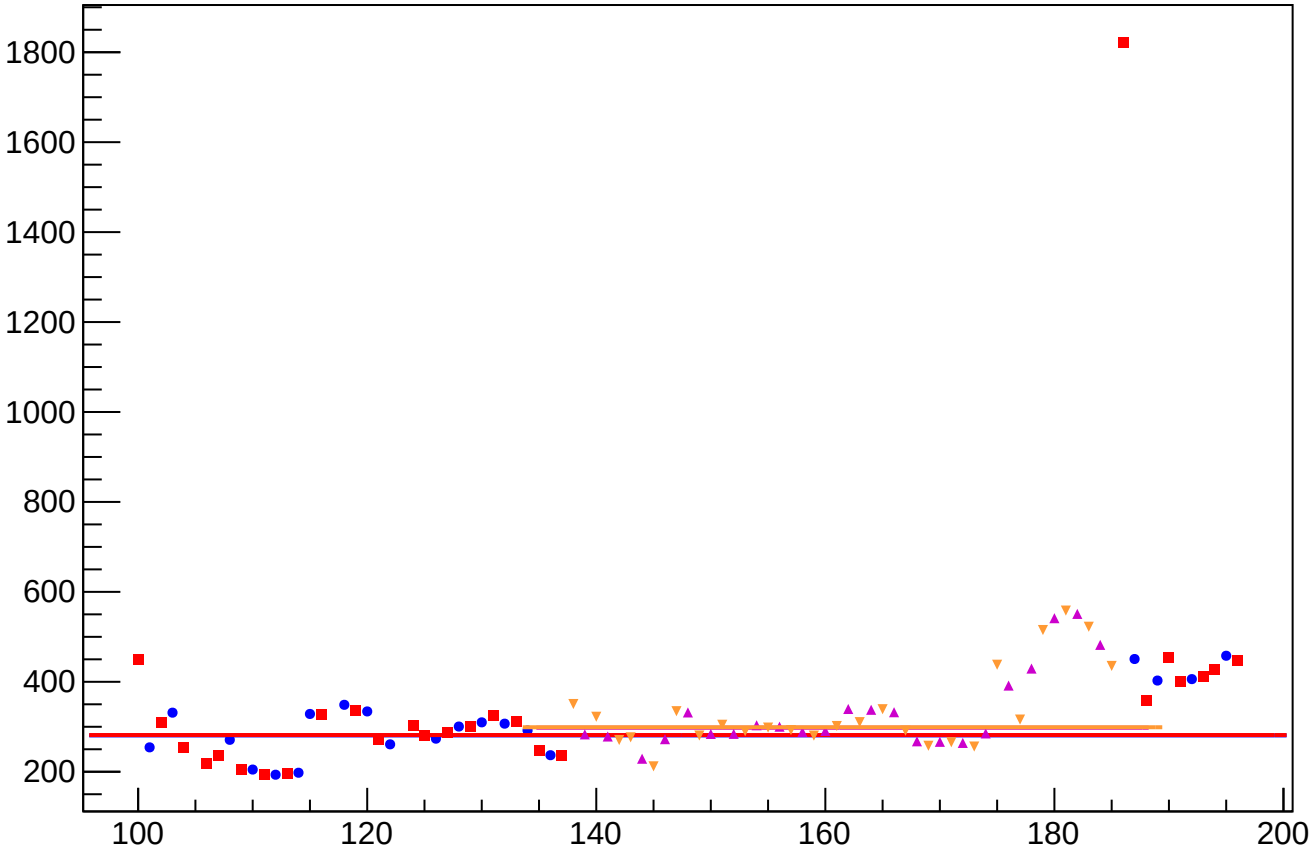
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

\+ sign 211.477+/-55.947 χ^2/NDF: 39.6/44

All: -41.841+/-39.260 χ^2/NDF: 134.7/93

\- sign -287.612+/-55.108 χ^2/NDF: 54.7/48

dit_asym_sam4_rms vs Slug



Right In: 280.783+/-0.066 χ^2/NDF: 1128297.3/19

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 281.611+/-0.061 χ^2/NDF: 2102686.0/25

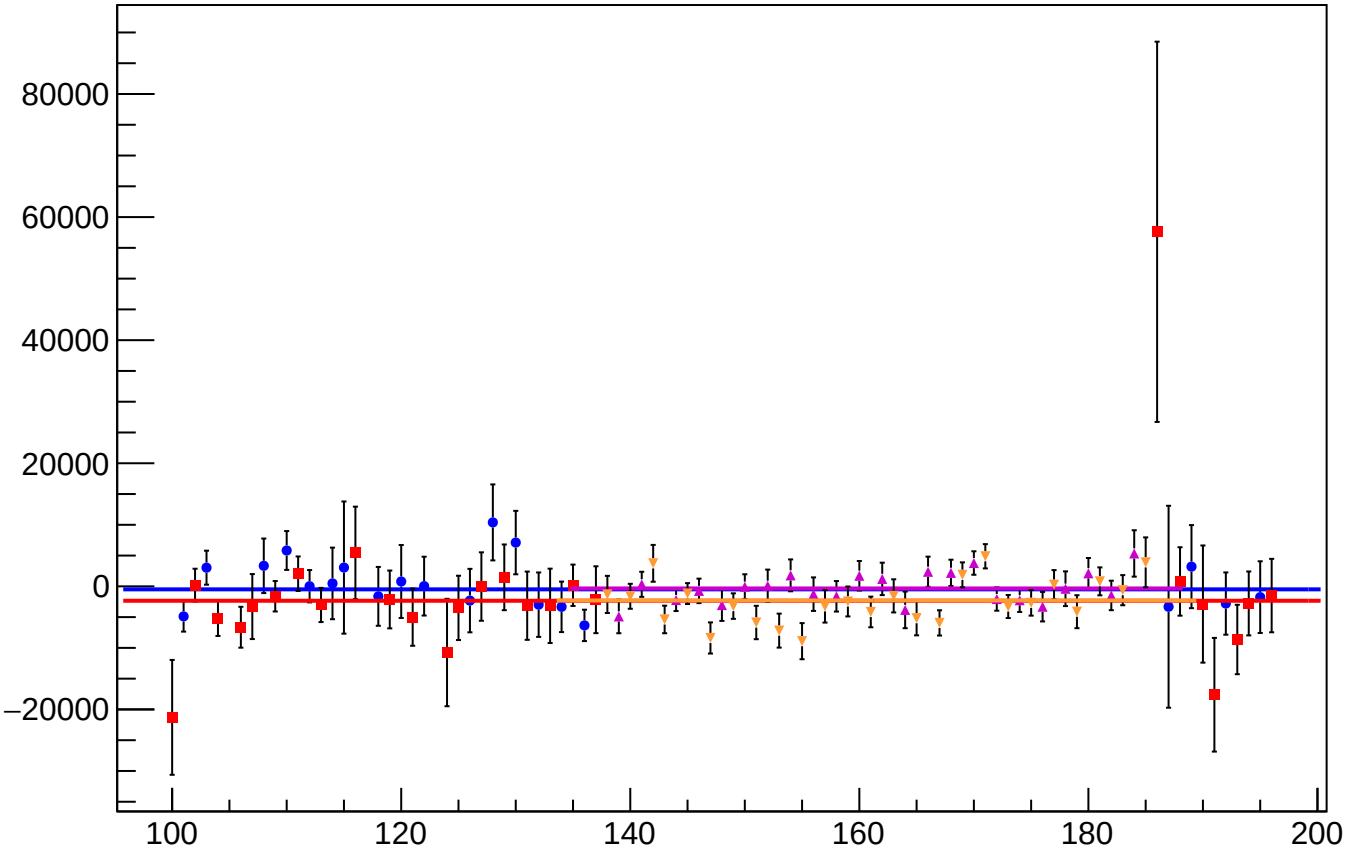
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 292.368+/-0.040 χ^2/NDF: 2790005.1/44

All: 291.786+/-0.028 χ^2/NDF: 6254355.4/93

- sign 291.221+/-0.039 χ^2/NDF: 3463923.5/48

asym_sam4_dit_correction_mean vs Slug



Right In: -488.689+/-916.562 χ^2/NDF: 21.8/19

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2343.256+/-849.930 χ^2/NDF: 22.1/25

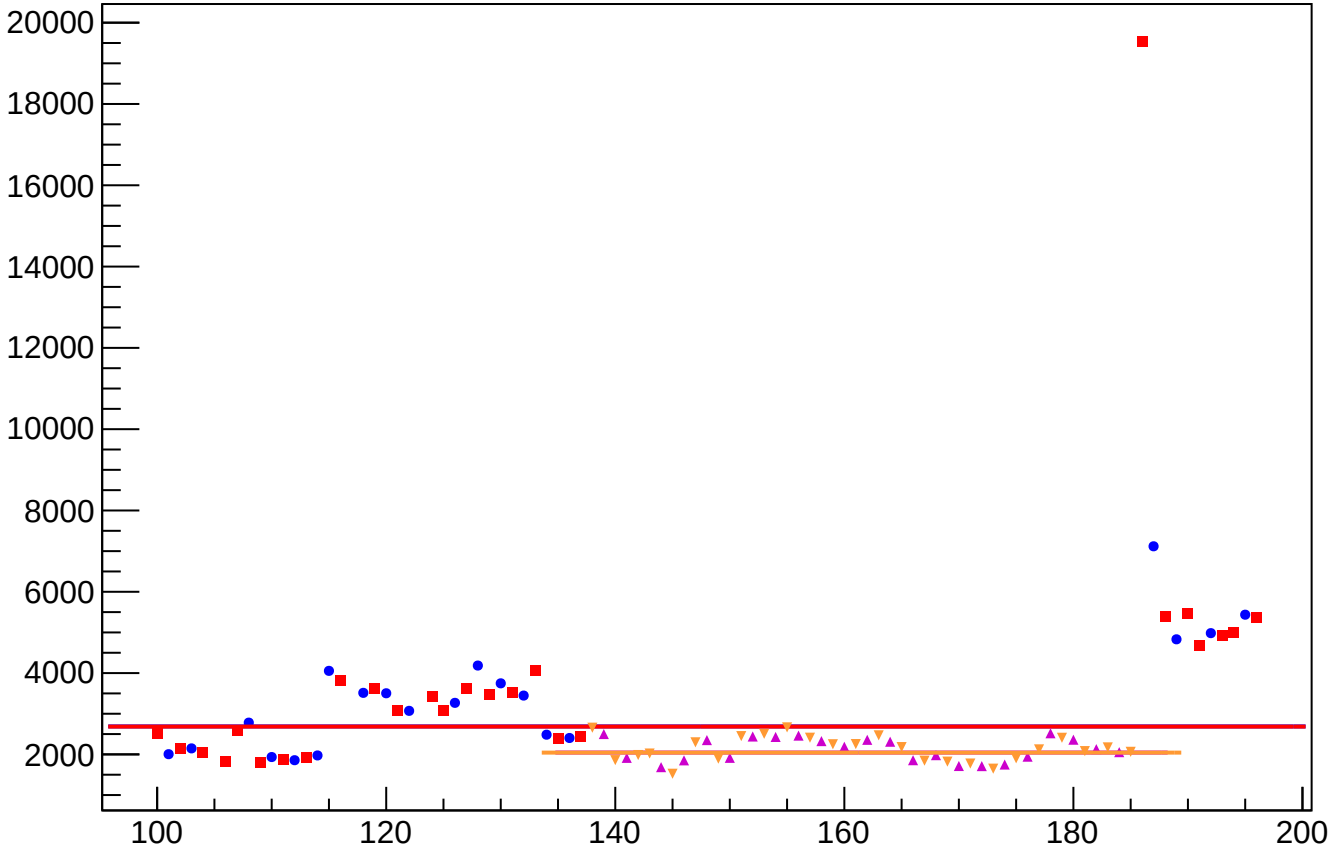
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1915.093+/-418.585 χ^2/NDF: 76.5/44

All: -1375.752+/-296.598 χ^2/NDF: 129.0/93

- sign -831.912+/-420.327 χ^2/NDF: 49.1/48

asym_sam4_dit_correction_rms vs Slug



Right In: 2688.207+/-0.648 χ^2/NDF: 2220226.0/19

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2683.741+/-0.601 χ^2/NDF: 3777312.5/25

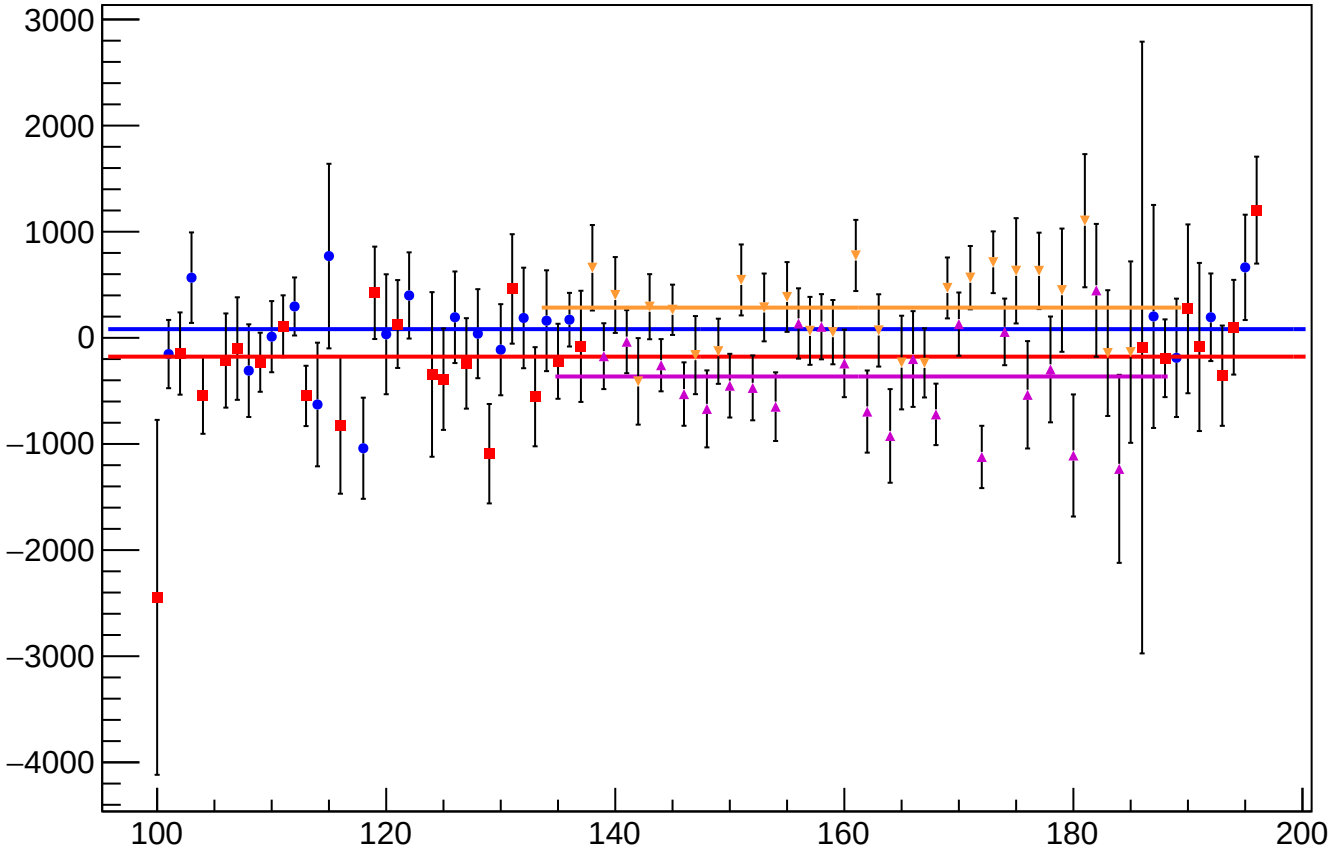
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2178.158+/-0.296 χ^2/NDF: 3856172.9/44

All: 2189.707+/-0.210 χ^2/NDF: 9179594.6/93

- sign 2201.353+/-0.297 χ^2/NDF: 5320363.8/48

eigen_dit_asym_sam4_mean vs Slug



Right In: 81.978+/-93.005 χ^2/NDF: 13.7/19

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -177.225+/-86.116 χ^2/NDF: 23.7/25

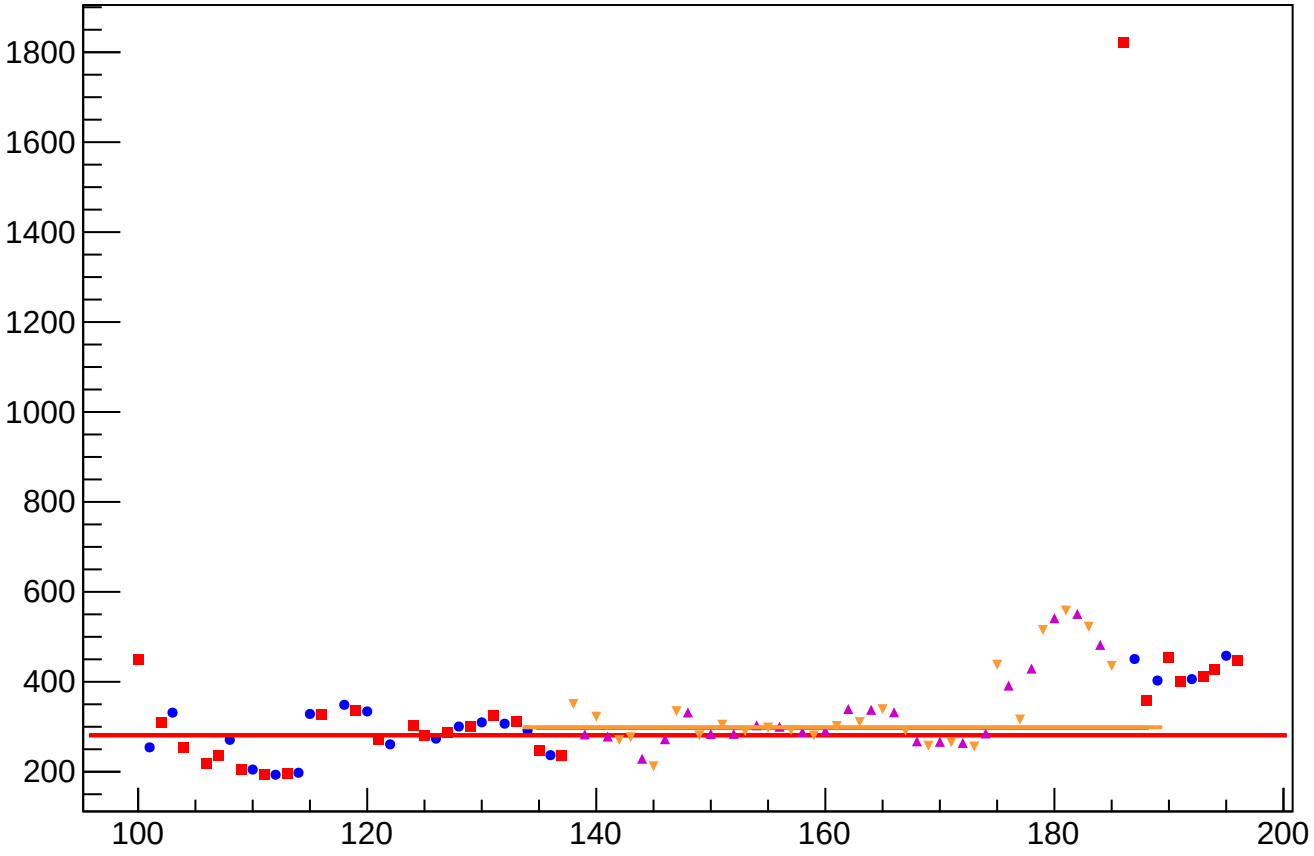
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 211.481+/-55.947 χ^2/NDF: 39.6/44

All: -41.839+/-39.261 χ^2/NDF: 134.7/93

- sign -287.612+/-55.108 χ^2/NDF: 54.7/48

eigen_dit_asym_sam4_rms vs Slug



Right In: 280.783+/-0.066 χ^2/NDF: 1128293.6/19

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 281.611+/-0.061 χ^2/NDF: 2102687.1/25

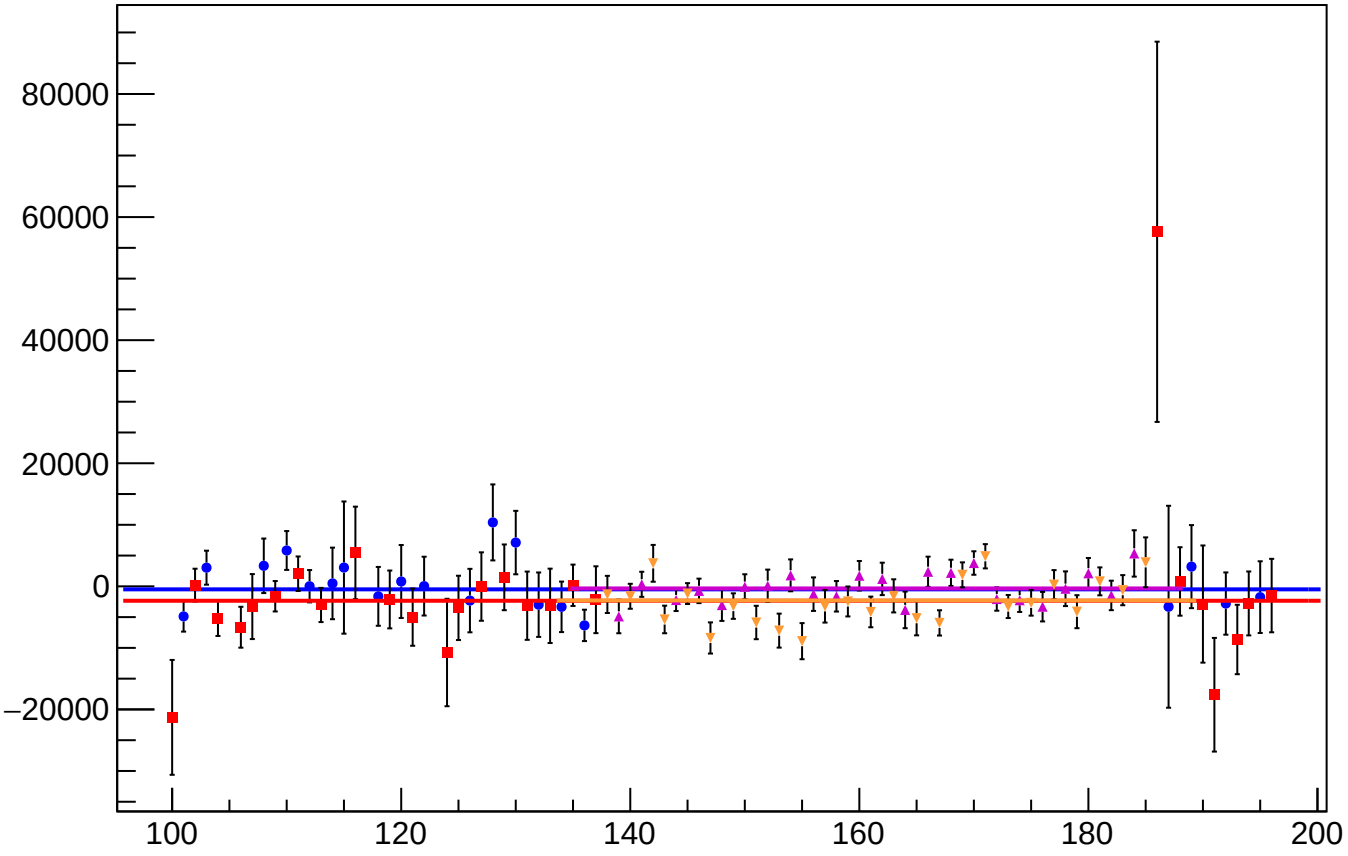
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 292.369+/-0.040 χ^2/NDF: 2790000.1/44

All: 291.786+/-0.028 χ^2/NDF: 6254334.7/93

- sign 291.221+/-0.039 χ^2/NDF: 3463907.7/48

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -488.688+/-916.562 χ^2/NDF: 21.8/19

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2343.254+/-849.929 χ^2/NDF: 22.1/25

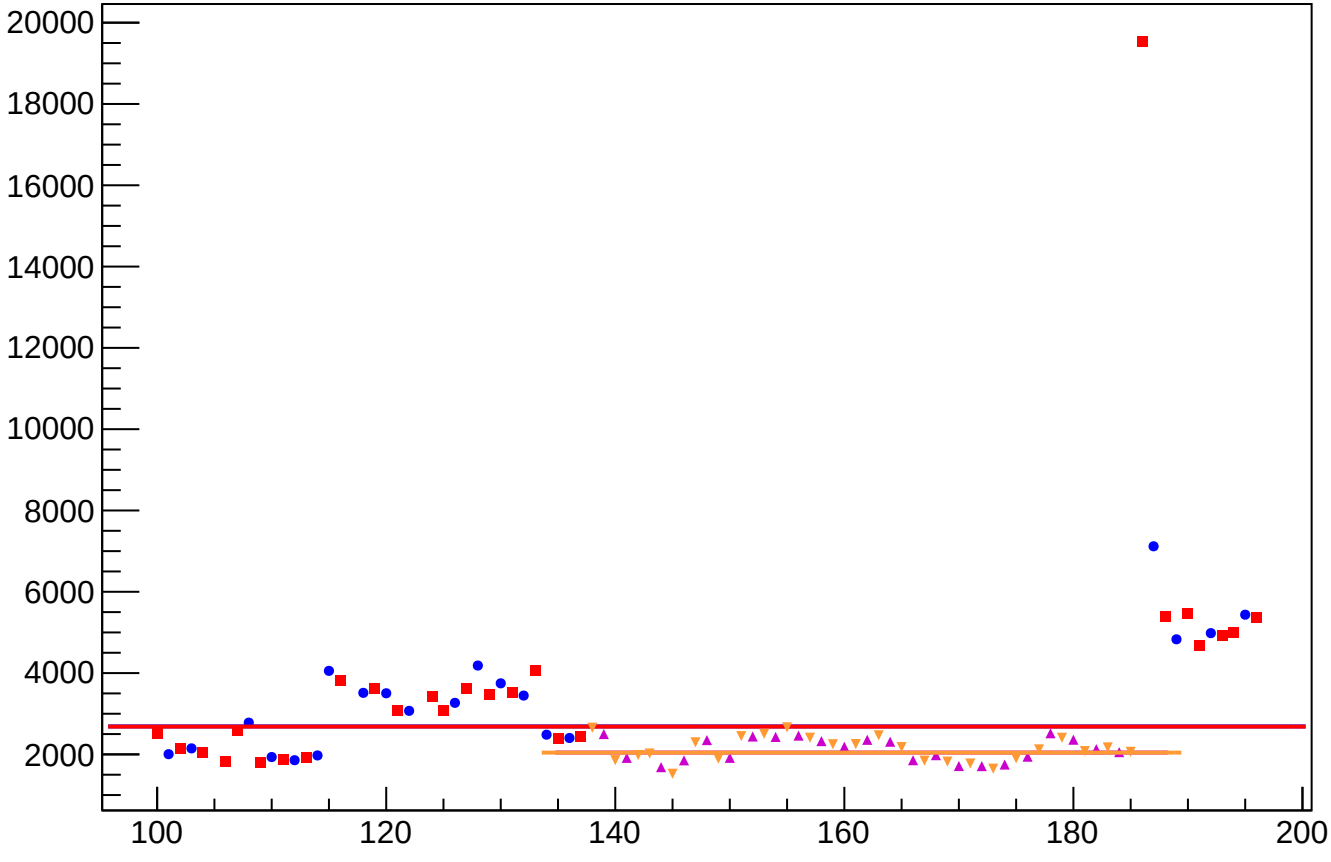
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1915.089+/-418.584 χ^2/NDF: 76.5/44

All: -1375.749+/-296.598 χ^2/NDF: 129.0/93

- sign -831.910+/-420.326 χ^2/NDF: 49.1/48

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2688.206+/-0.648 χ^2/NDF: 2220227.4/19

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2683.739+/-0.601 χ^2/NDF: 3777309.7/25

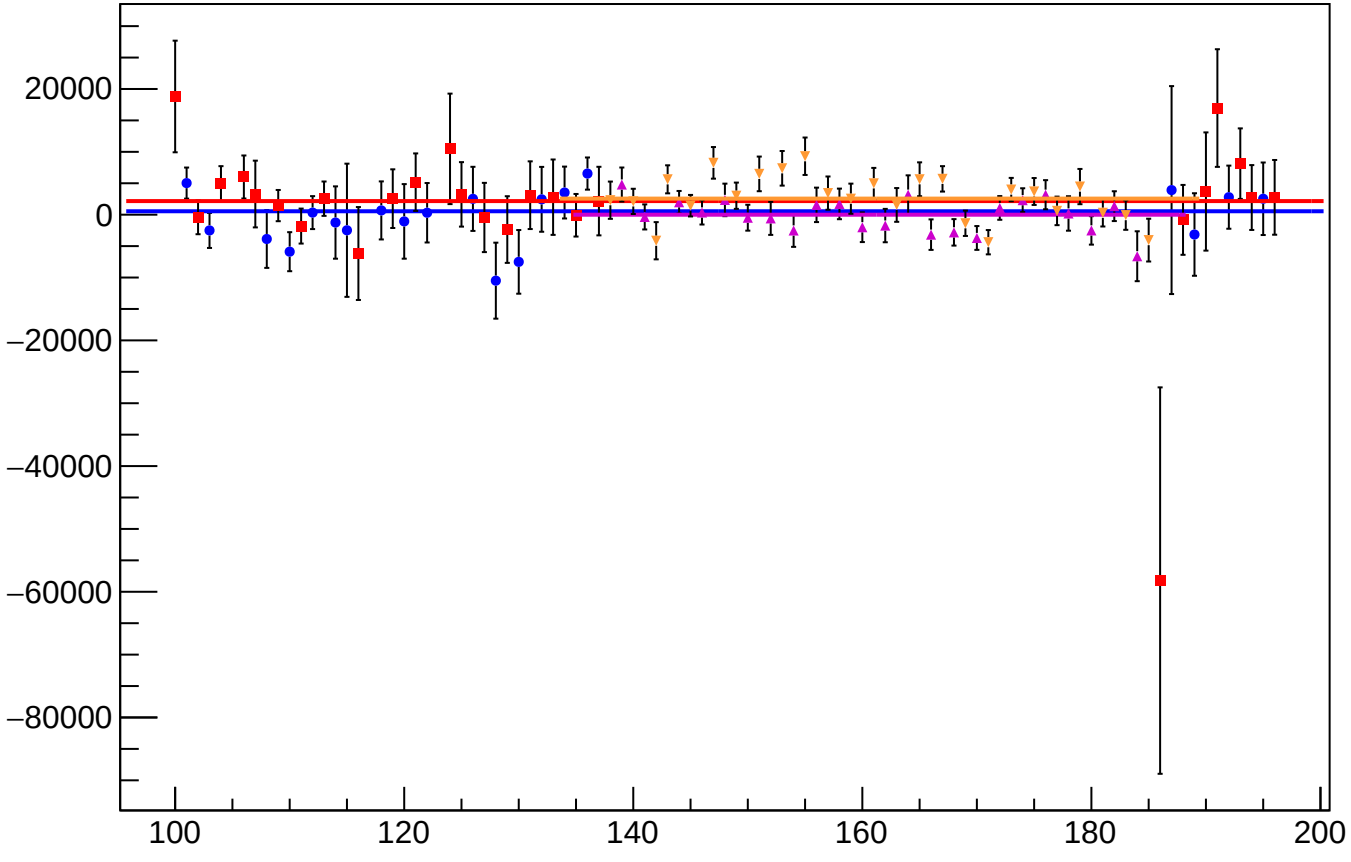
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2178.155+/-0.296 χ^2/NDF: 3856181.2/44

All: 2189.705+/-0.210 χ^2/NDF: 9179602.8/93

- sign 2201.350+/-0.297 χ^2/NDF: 5320363.6/48

asym_sam4_mean vs Slug



Right In: 545.371+/-913.565 χ^2/NDF: 22.8/19

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2164.233+/-848.453 χ^2/NDF: 20.7/25

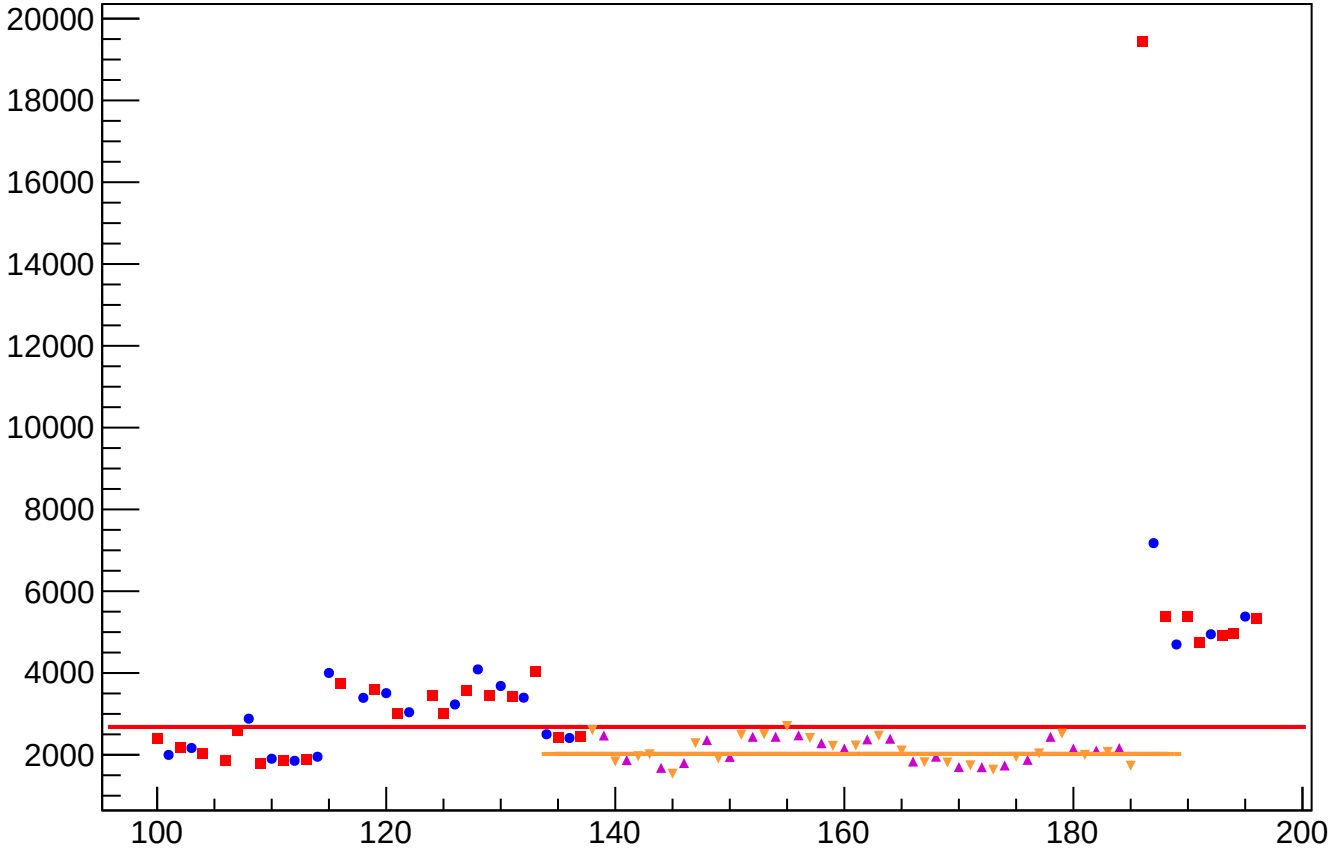
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

\+ sign 2143.364+/-415.075 χ^2/NDF: 79.3/44

All: 1334.860+/-294.109 χ^2/NDF: 137.3/93

\- sign 519.636+/-416.796 χ^2/NDF: 50.3/48

asym_sam4_rms vs Slug



Right In: 2682.066+/-0.646 χ^2/NDF: 2165712.2/19

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

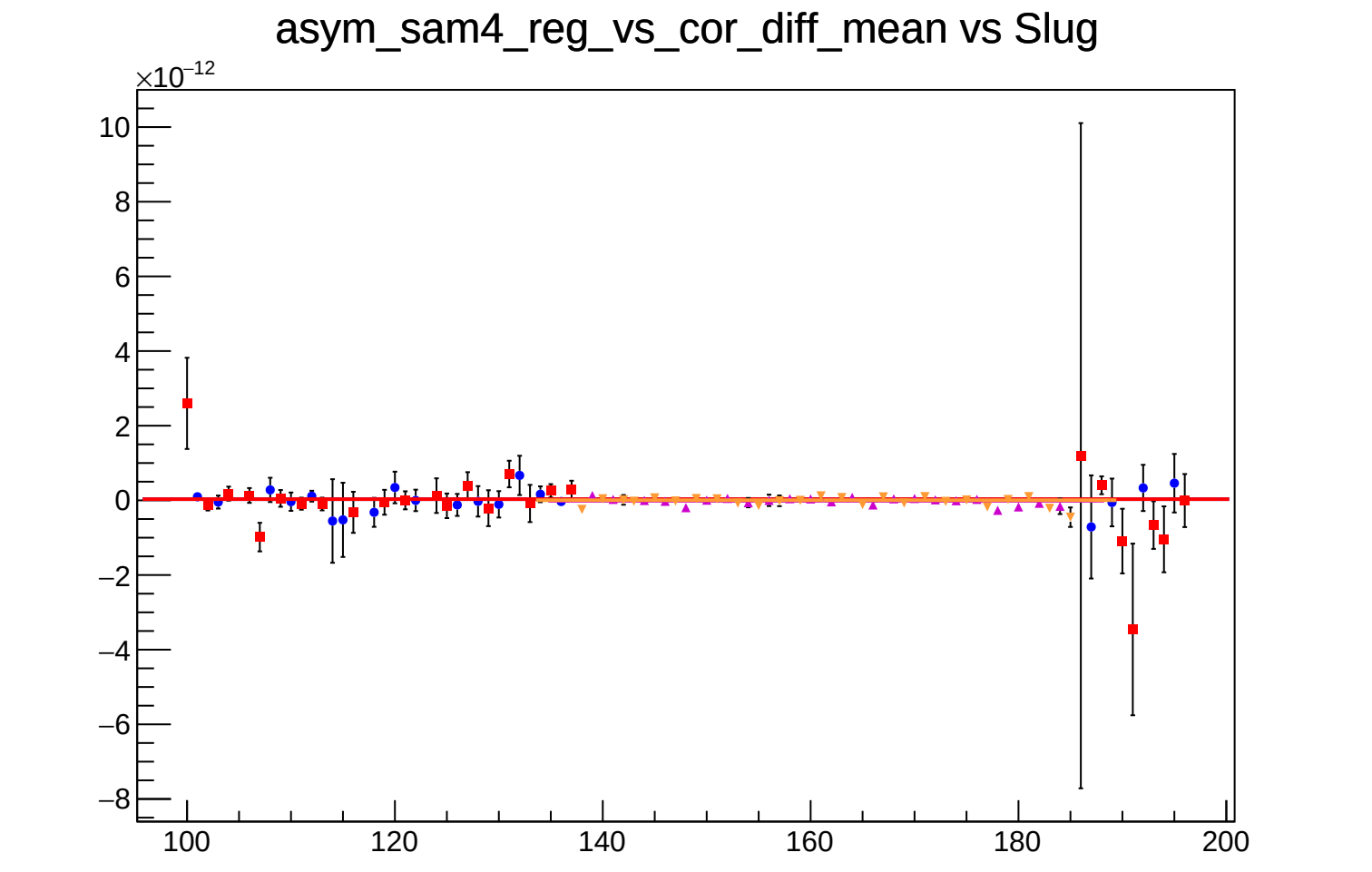
Right Out: 2679.706+/-0.600 χ^2/NDF: 3729603.9/25

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2157.675+/-0.294 χ^2/NDF: 3877462.9/44

All: 2169.634+/-0.208 χ^2/NDF: 9214695.7/93

- sign 2181.691+/-0.295 χ^2/NDF: 5333899.0/48


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−12
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−8
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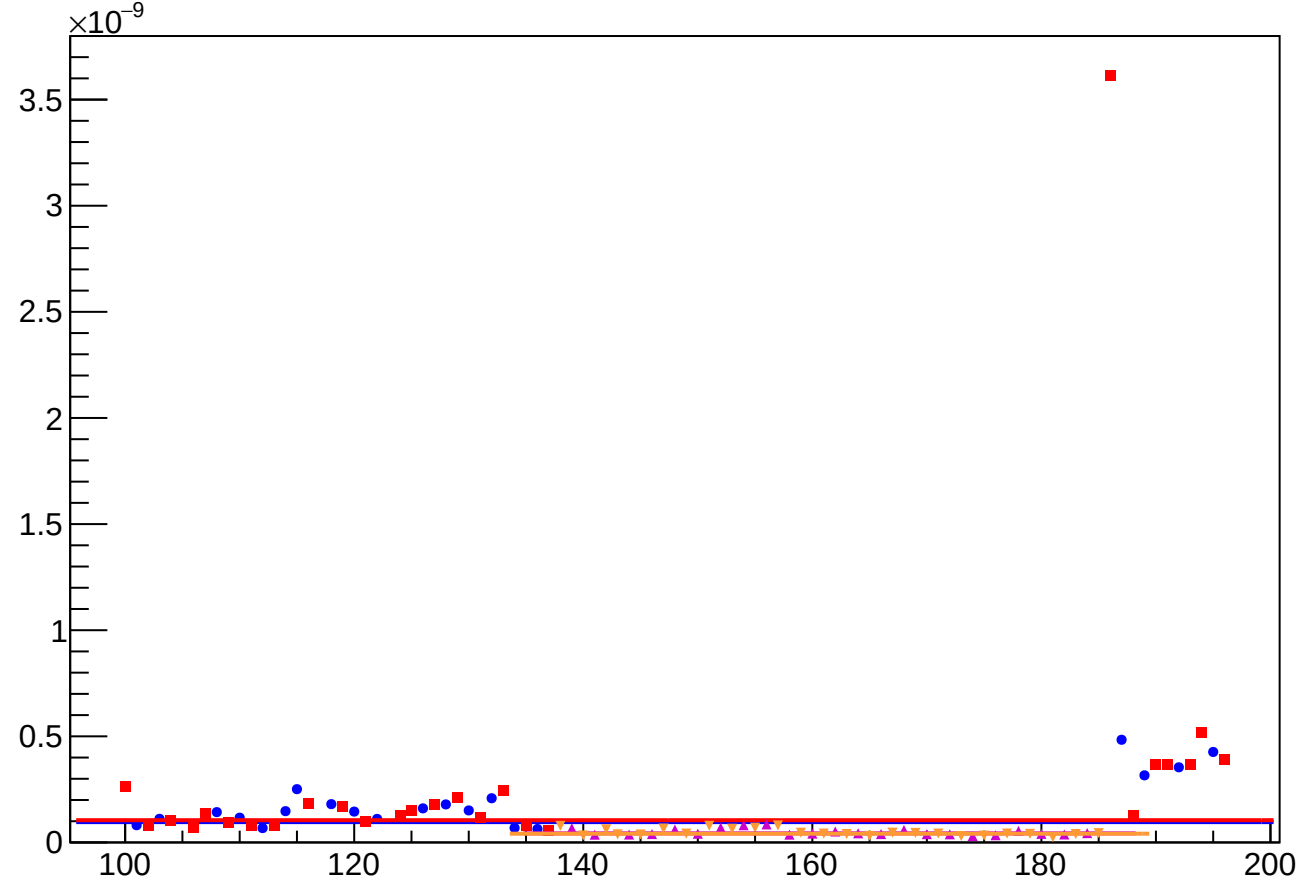
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7.0/19
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.3/25
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 39.4/44
All: -0.000+/-0.000 χ²/NDF: 93.5/93
- sign -0.000+/-0.000 χ²/NDF: 53.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2046872.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2521412.9/25

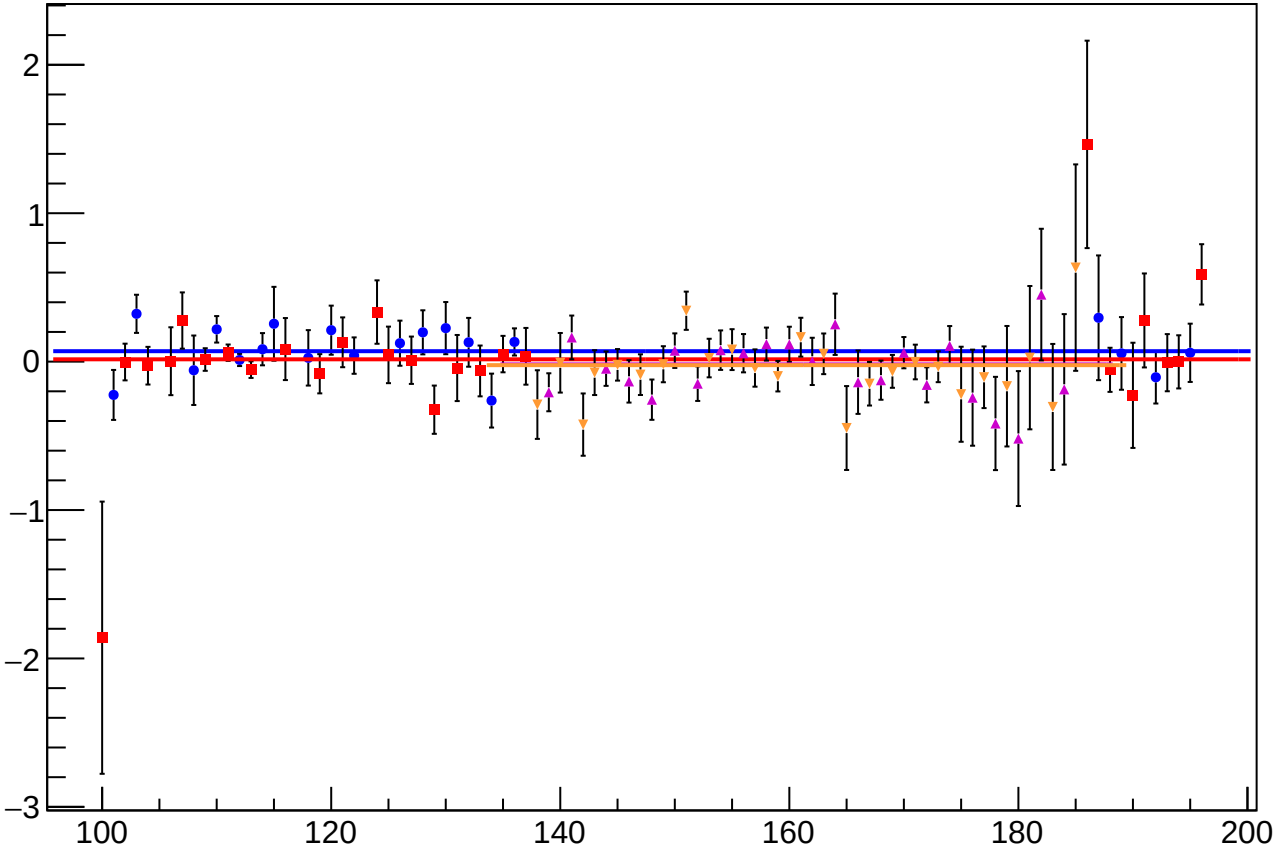
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5292414.0/44

All: 0.000+/-0.000 χ^2/NDF: 11179329.2/93

- sign 0.000+/-0.000 χ^2/NDF: 5859912.9/48

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.016+/-0.026 χ^2/NDF: 30.2/25

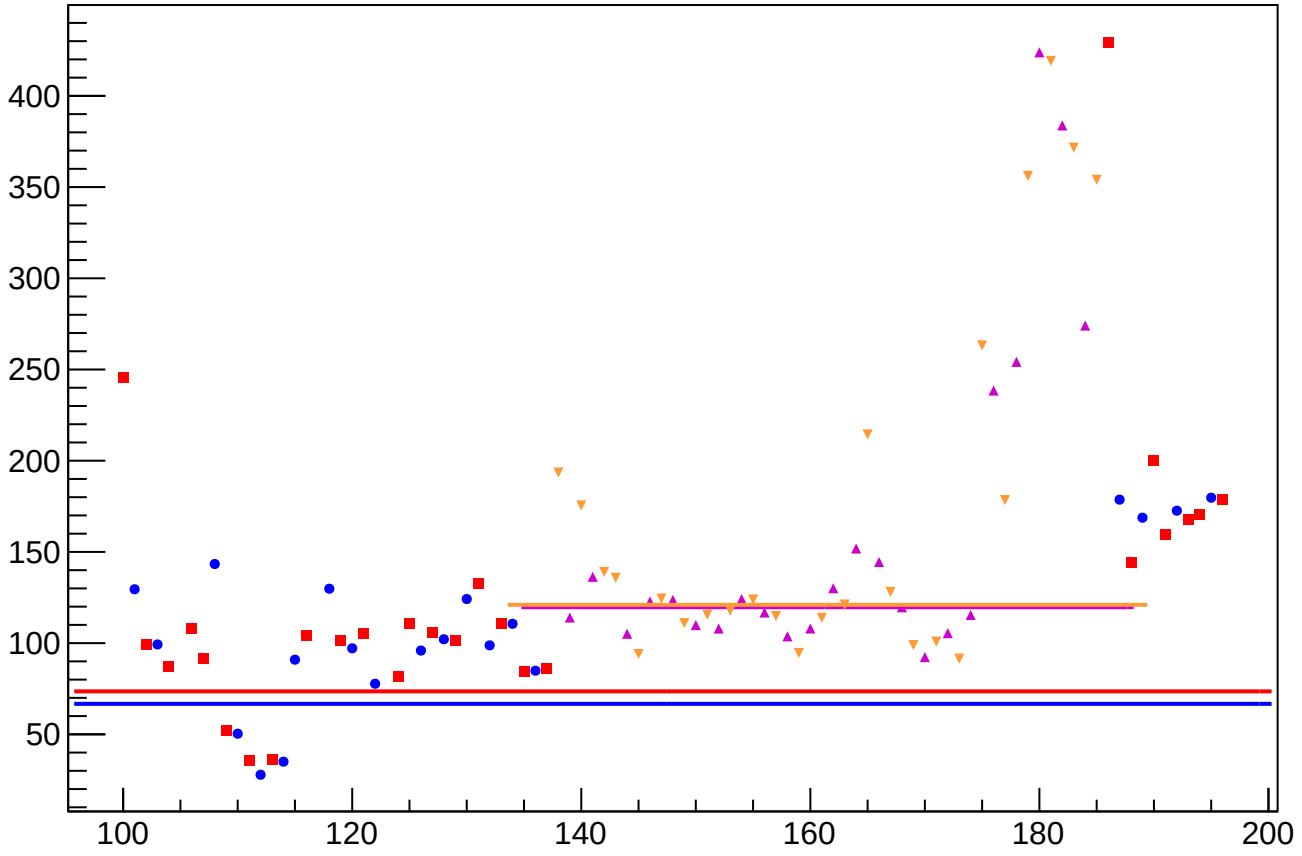
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.015+/-0.014 χ^2/NDF: 103.0/93

- sign 0.001+/-0.019 χ^2/NDF: 53.9/48

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 66.716+/-0.019 χ^2/NDF: 5516684.7/19

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

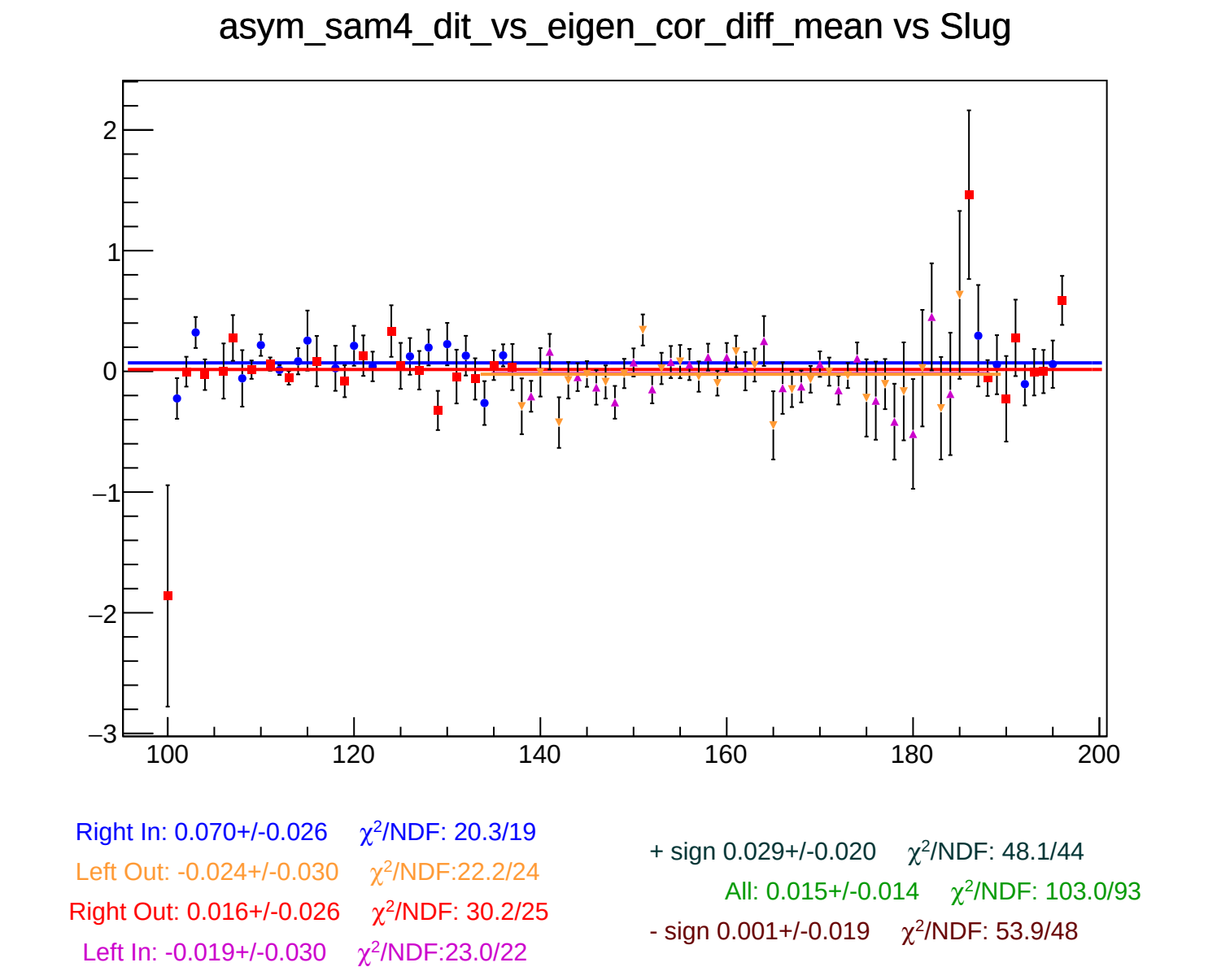
Right Out: 73.560+/-0.018 χ^2/NDF: 5904073.7/25

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 90.345+/-0.014 χ^2/NDF: 13333714.0/44

All: 91.560+/-0.010 χ^2/NDF: 24810397.1/93

- sign 92.745+/-0.014 χ^2/NDF: 11461710.8/48


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug
2
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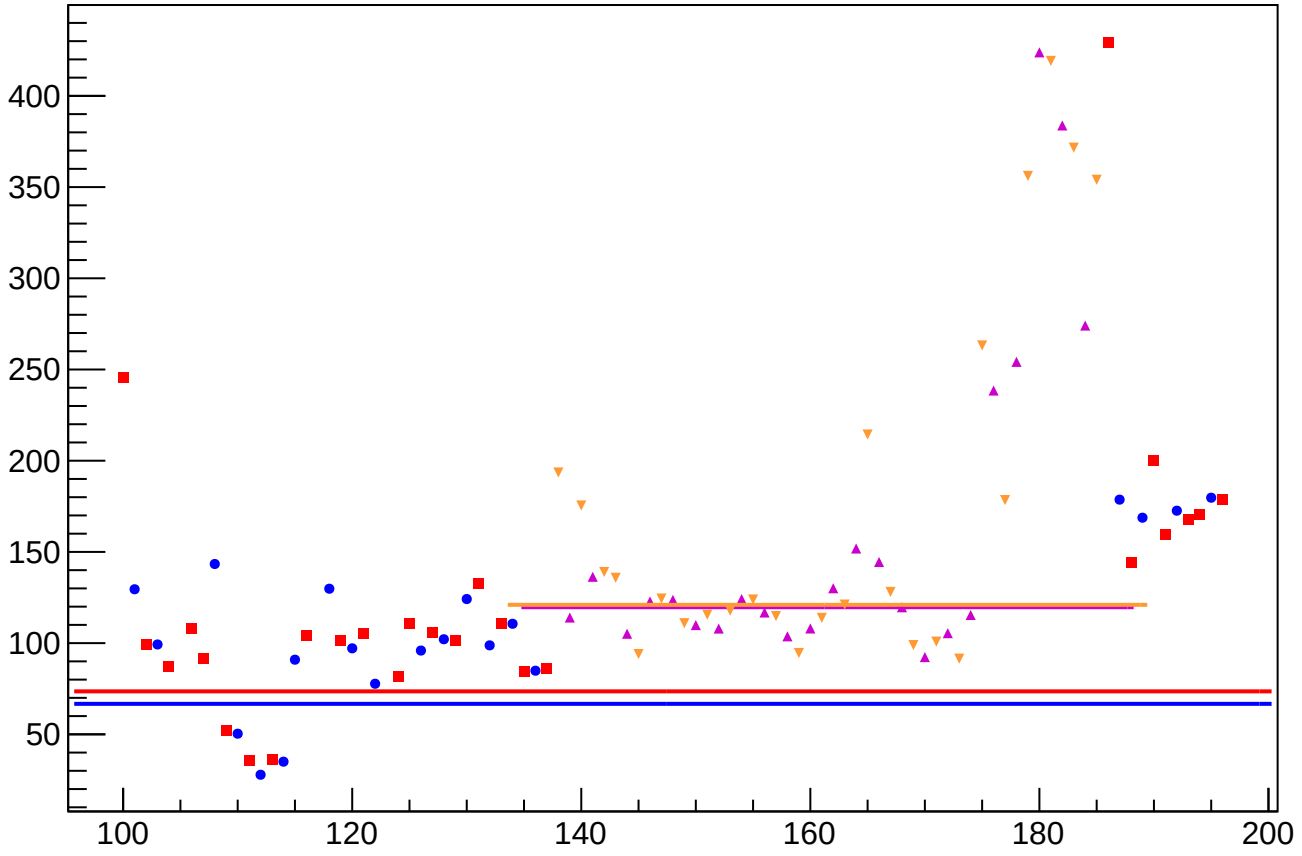
180
200
Right In: 0.070+/-0.026 χ²/NDF: 20.3/19
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.016+/-0.026 χ²/NDF: 30.2/25
Left In: -0.019+/-0.030 χ²/NDF:23.0/22
+ sign 0.029+/-0.020 χ²/NDF: 48.1/44
All: 0.015+/-0.014 χ²/NDF: 103.0/93
- sign 0.001+/-0.019 χ²/NDF: 53.9/48

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.716+/-0.019 χ^2/NDF: 5516684.7/19

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

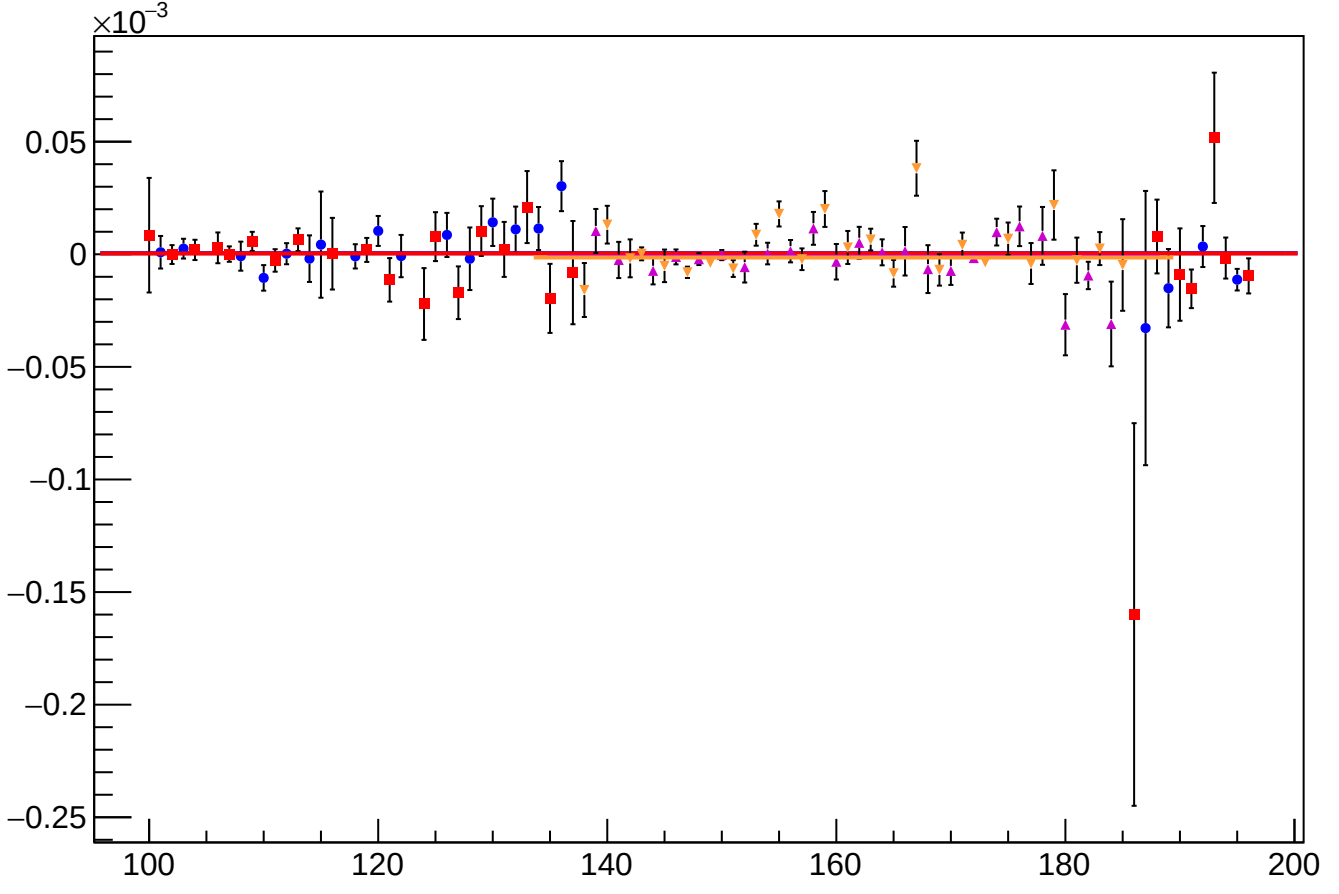
Right Out: 73.560+/-0.018 χ^2/NDF: 5904073.7/25

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 90.345+/-0.014 χ^2/NDF: 13333714.0/44

All: 91.560+/-0.010 χ^2/NDF: 24810397.1/93

- sign 92.745+/-0.014 χ^2/NDF: 11461710.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

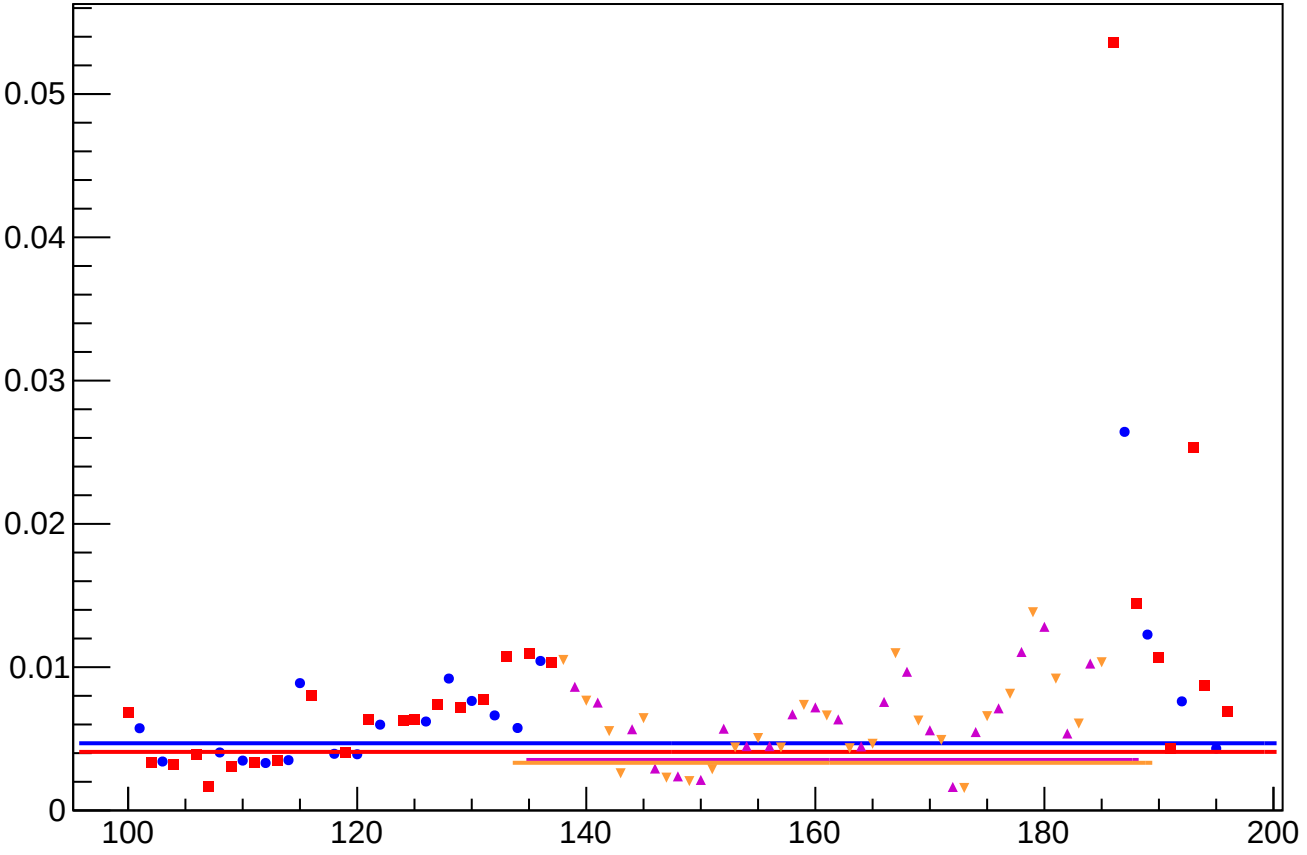
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/44

All: -0.000+/-0.000 χ^2/NDF: 138.9/93

- sign -0.000+/-0.000 χ^2/NDF: 51.6/48

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2591341.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

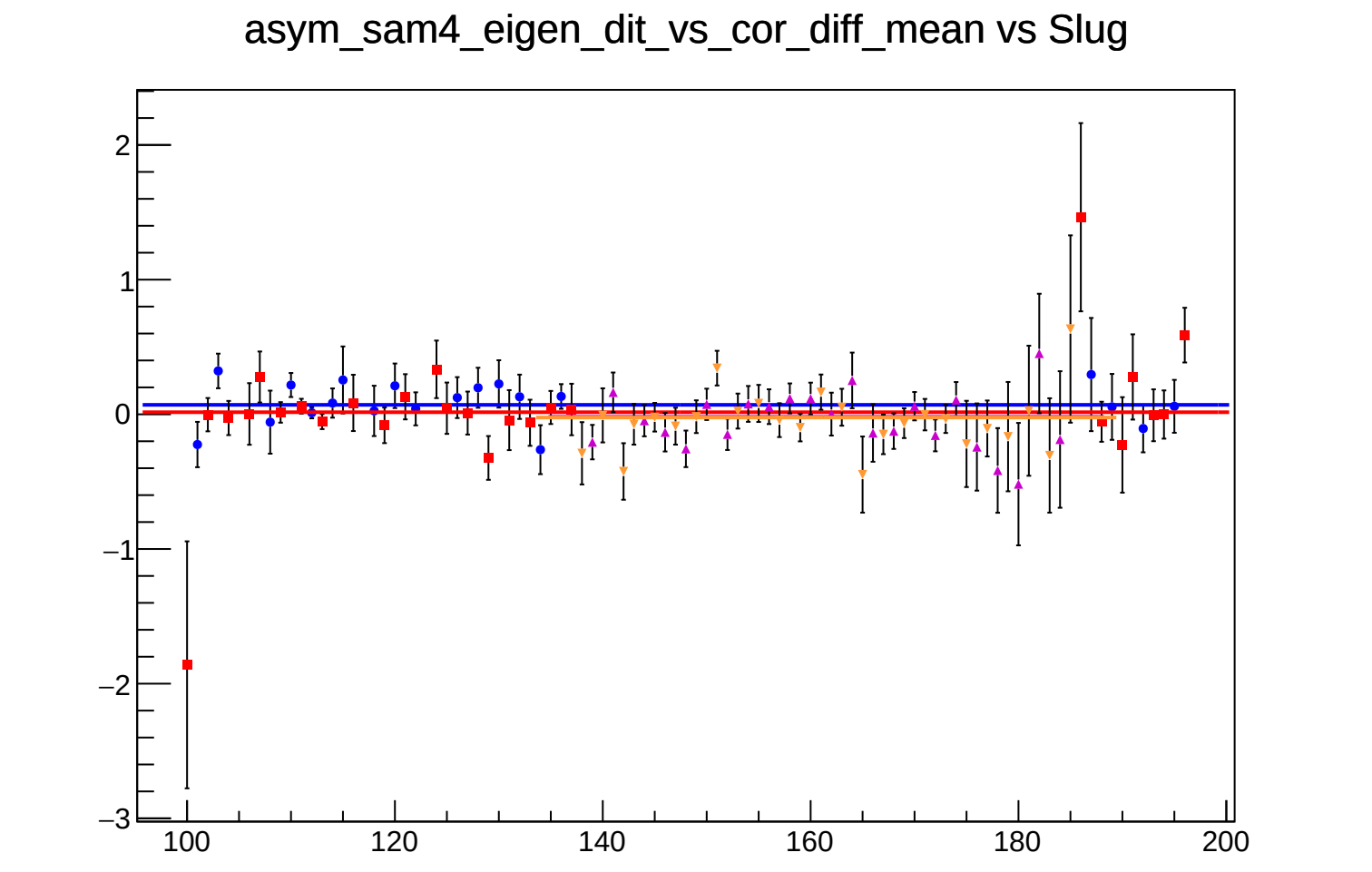
Right Out: 0.004+/-0.000 χ^2/NDF: 6643258.3/25

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 14119790.7/44

All: 0.004+/-0.000 χ^2/NDF: 30408388.5/93

- sign 0.004+/-0.000 χ^2/NDF: 16281639.5/48



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.016+/-0.026 χ^2/NDF: 30.2/25

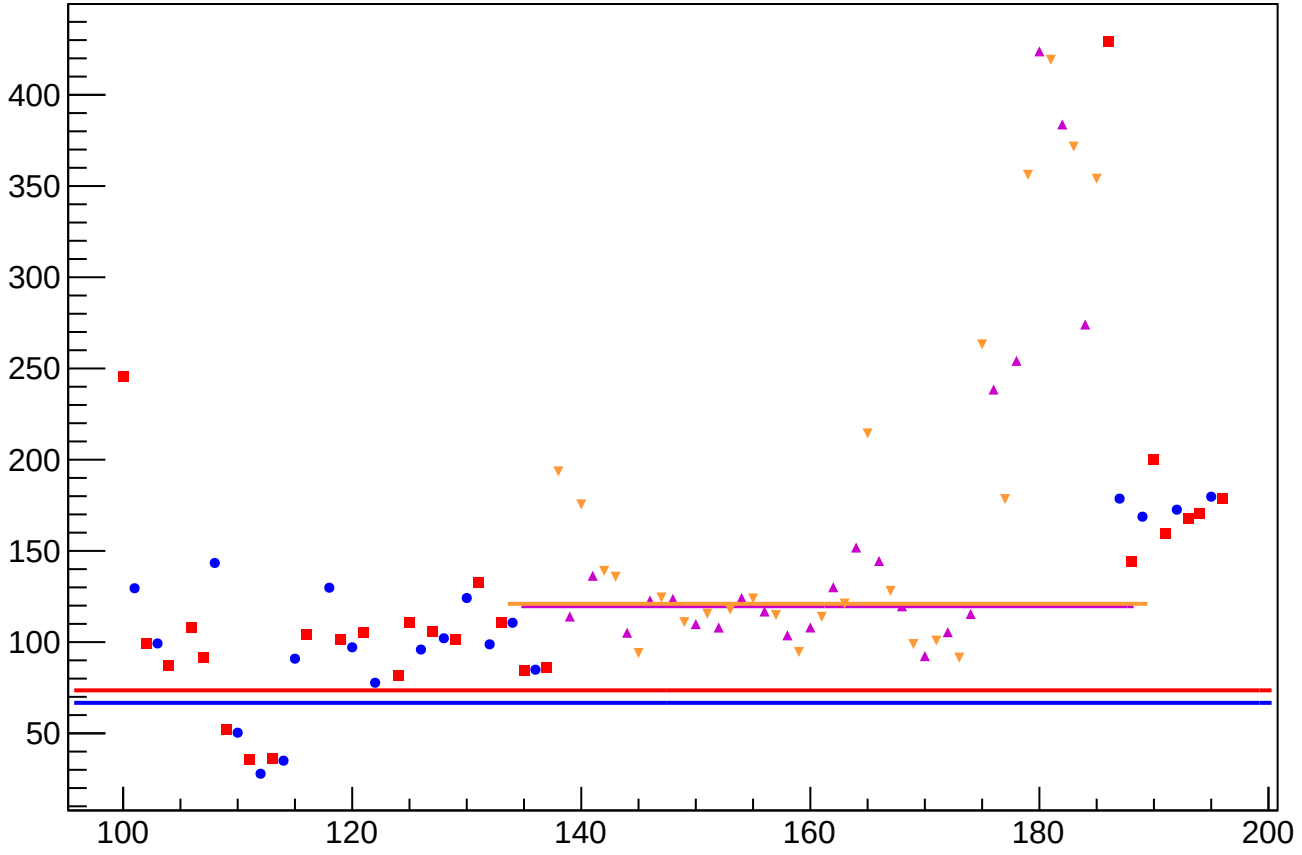
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.015+/-0.014 χ^2/NDF: 103.0/93

- sign 0.001+/-0.019 χ^2/NDF: 53.9/48

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.714+/-0.019 χ^2/NDF: 5516998.9/19

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

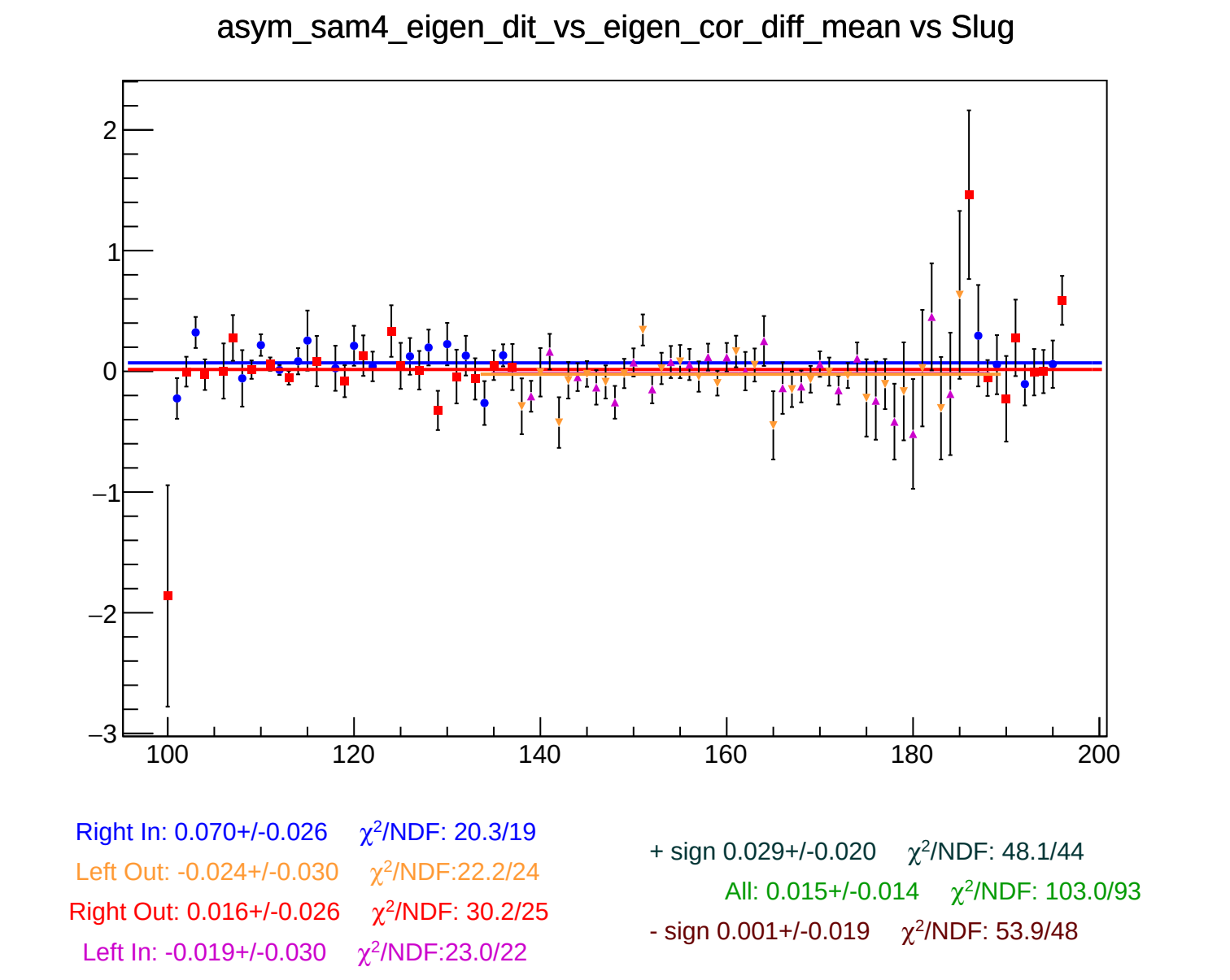
Right Out: 73.558+/-0.018 χ^2/NDF: 5904439.4/25

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 90.344+/-0.014 χ^2/NDF: 13334448.6/44

All: 91.558+/-0.010 χ^2/NDF: 24811790.5/93

\- sign 92.744+/-0.014 χ^2/NDF: 11462365.2/48


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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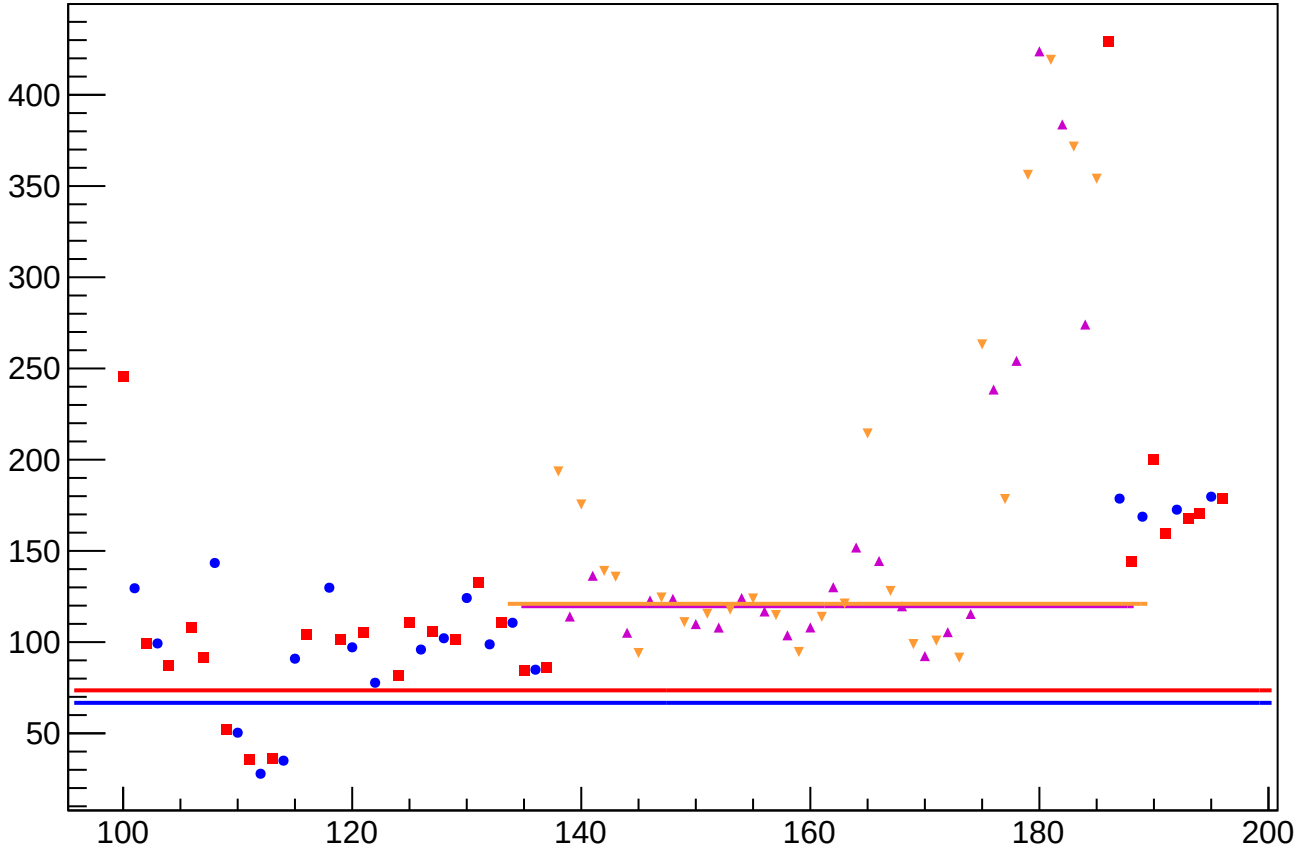
Right In: 0.070+/-0.026 χ²/NDF: 20.3/19
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.016+/-0.026 χ²/NDF: 30.2/25
Left In: -0.019+/-0.030 χ²/NDF:23.0/22
+ sign 0.029+/-0.020 χ²/NDF: 48.1/44
All: 0.015+/-0.014 χ²/NDF: 103.0/93
- sign 0.001+/-0.019 χ²/NDF: 53.9/48

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.714+/-0.019 χ^2/NDF: 5516998.9/19

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

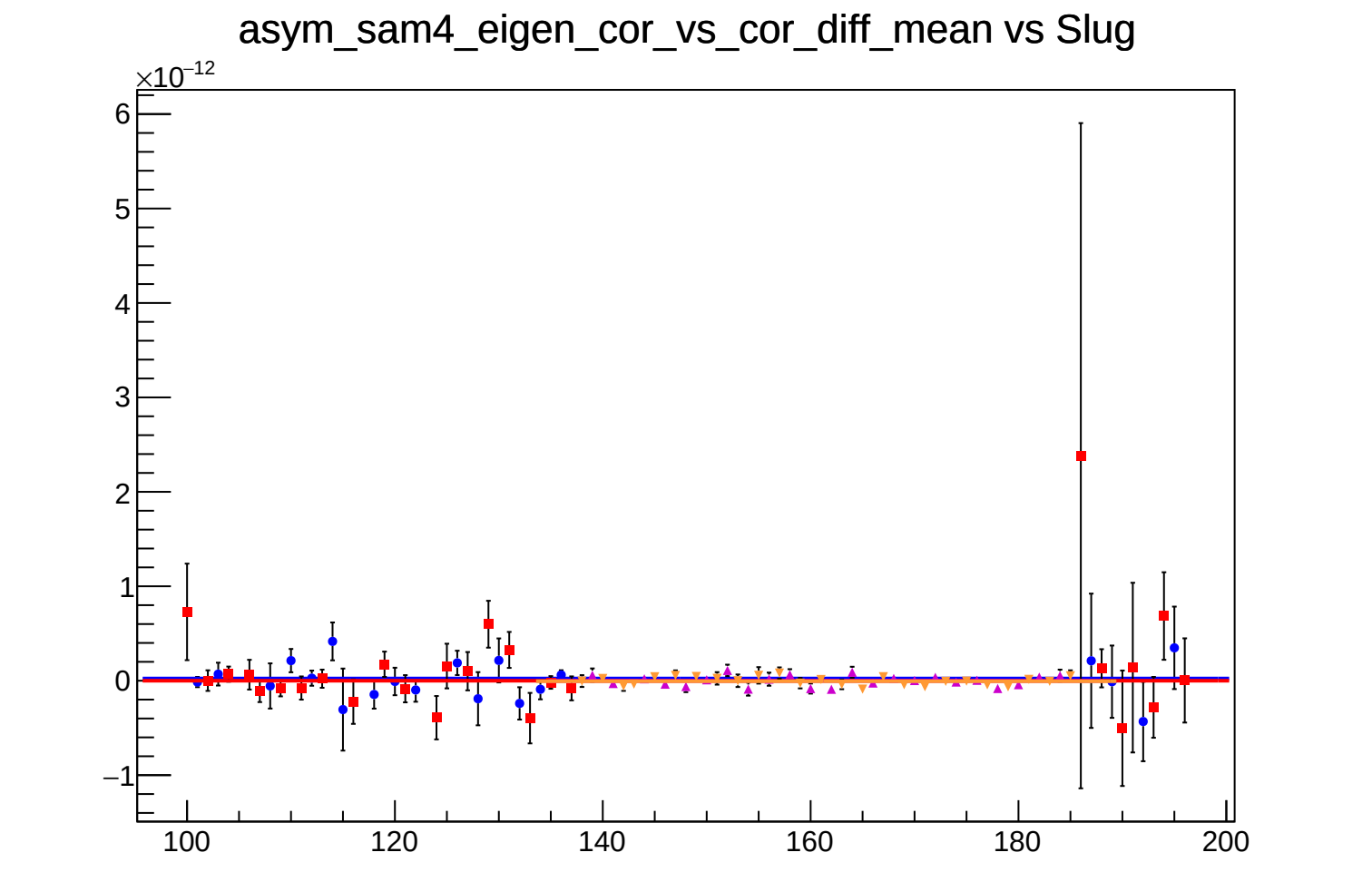
Right Out: 73.558+/-0.018 χ^2/NDF: 5904439.4/25

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 90.344+/-0.014 χ^2/NDF: 13334448.6/44

All: 91.558+/-0.010 χ^2/NDF: 24811790.5/93

\- sign 92.744+/-0.014 χ^2/NDF: 11462365.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/25

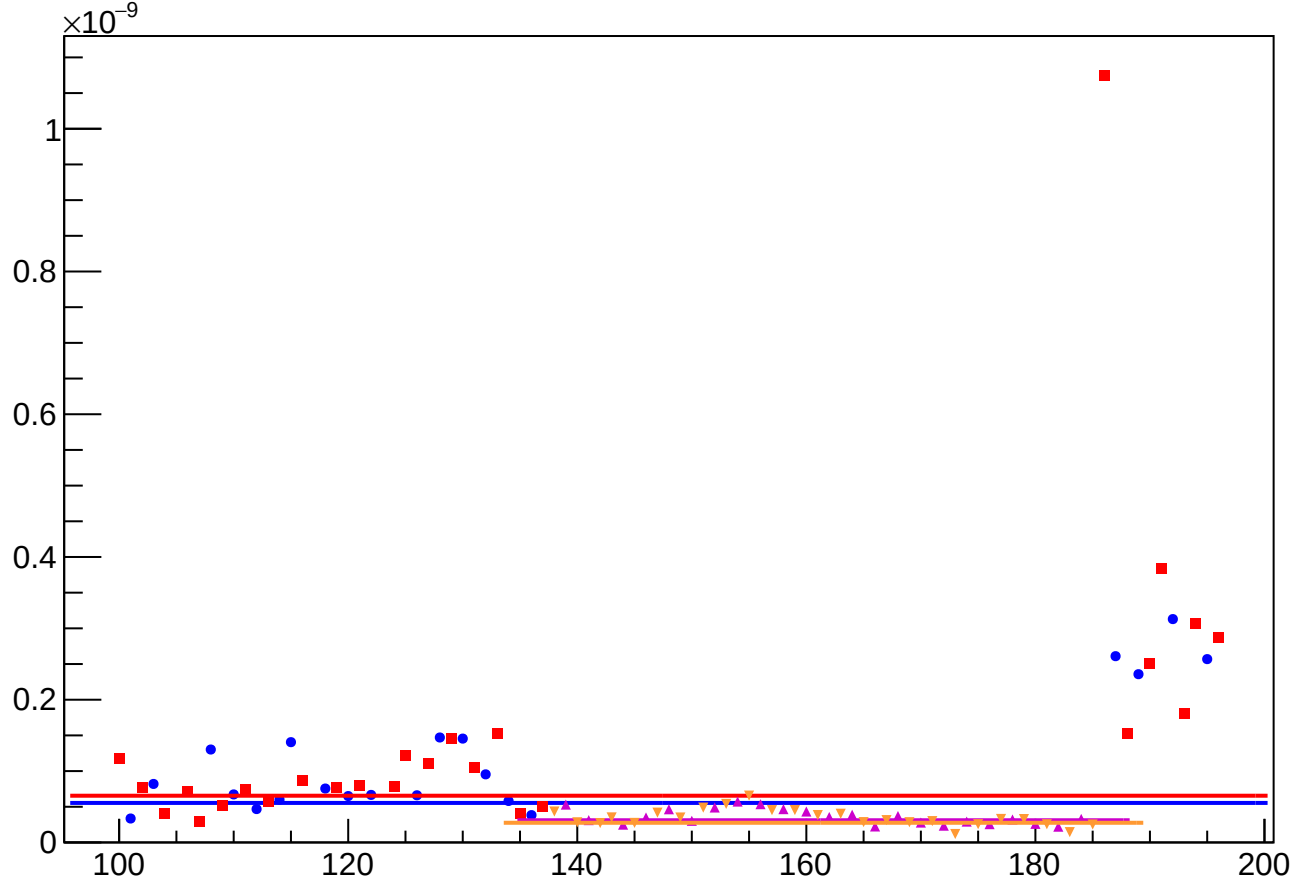
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/44

All: -0.000+/-0.000 χ^2/NDF: 97.3/93

- 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: 3460245.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3874432.3/25

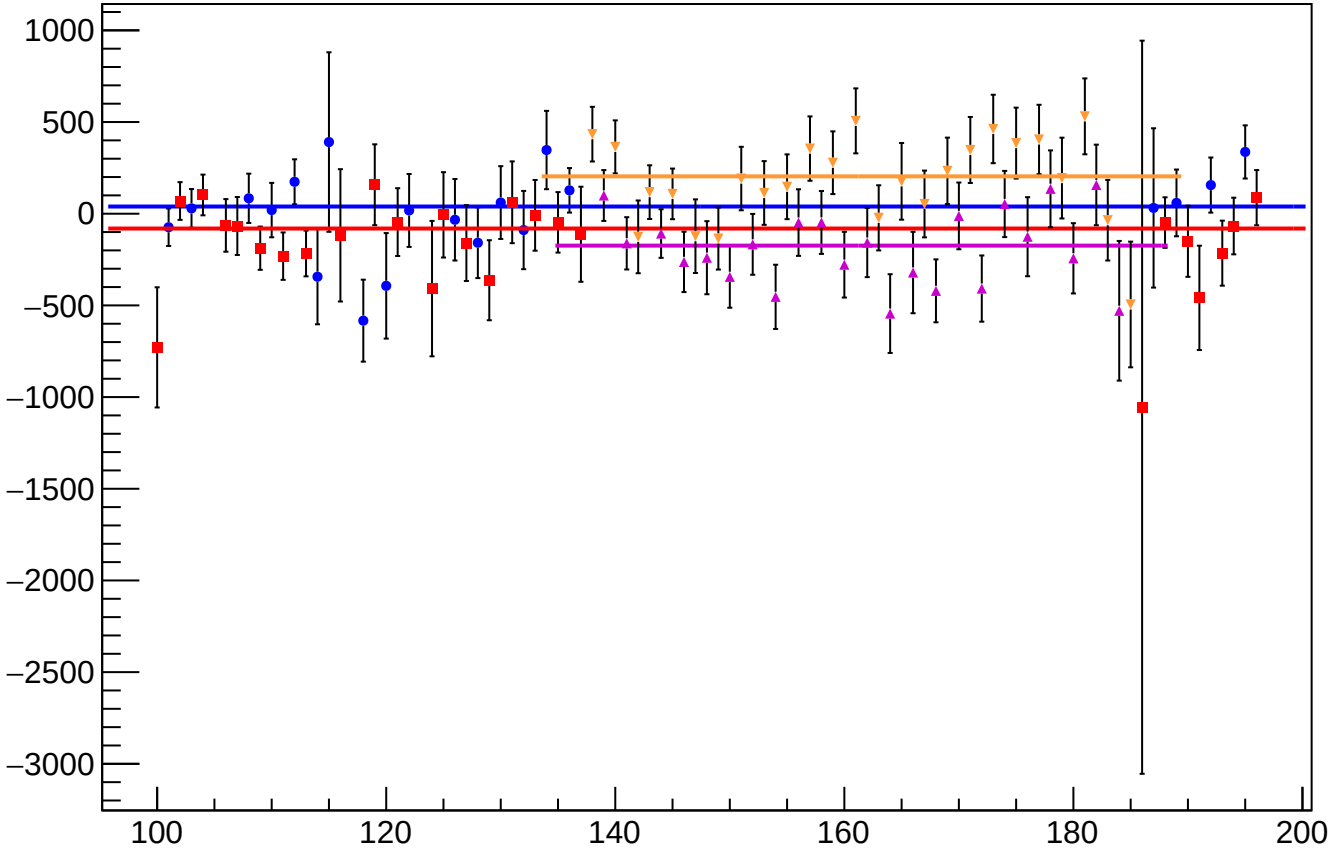
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9237137.6/44

All: 0.000+/-0.000 χ^2/NDF: 18001667.2/93

- sign 0.000+/-0.000 χ^2/NDF: 8496023.4/48

reg_asym_sam5_mean vs Slug



Right In: 39.198+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.801+/-33.229 χ^2/NDF: 20.7/25

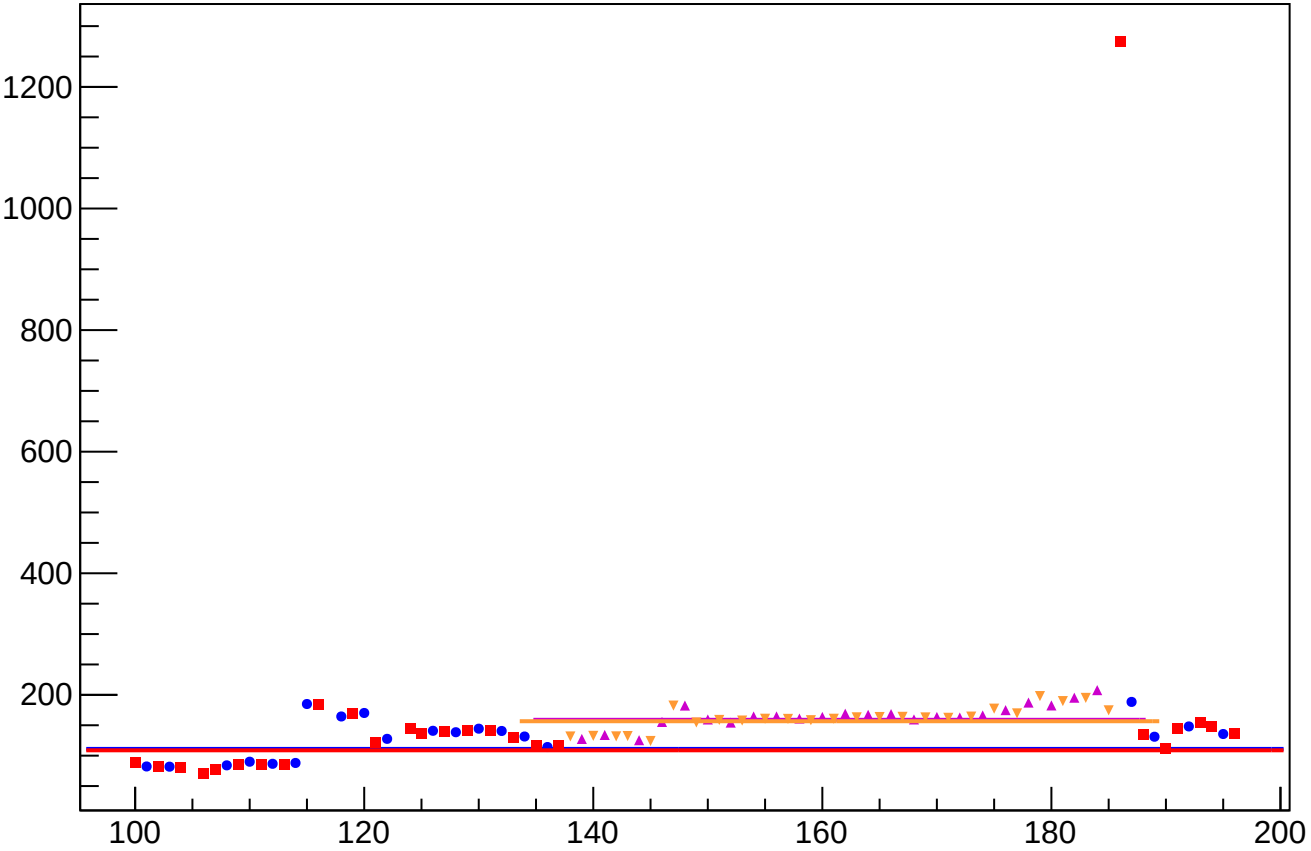
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 123.400+/-25.664 χ^2/NDF: 67.4/44

All: -3.237+/-17.850 χ^2/NDF: 163.3/93

- sign -121.898+/-24.842 χ^2/NDF: 48.7/48

reg_asym_sam5_rms vs Slug



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.9/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 108.811+/-0.023 χ^2/NDF: 2271971.4/25

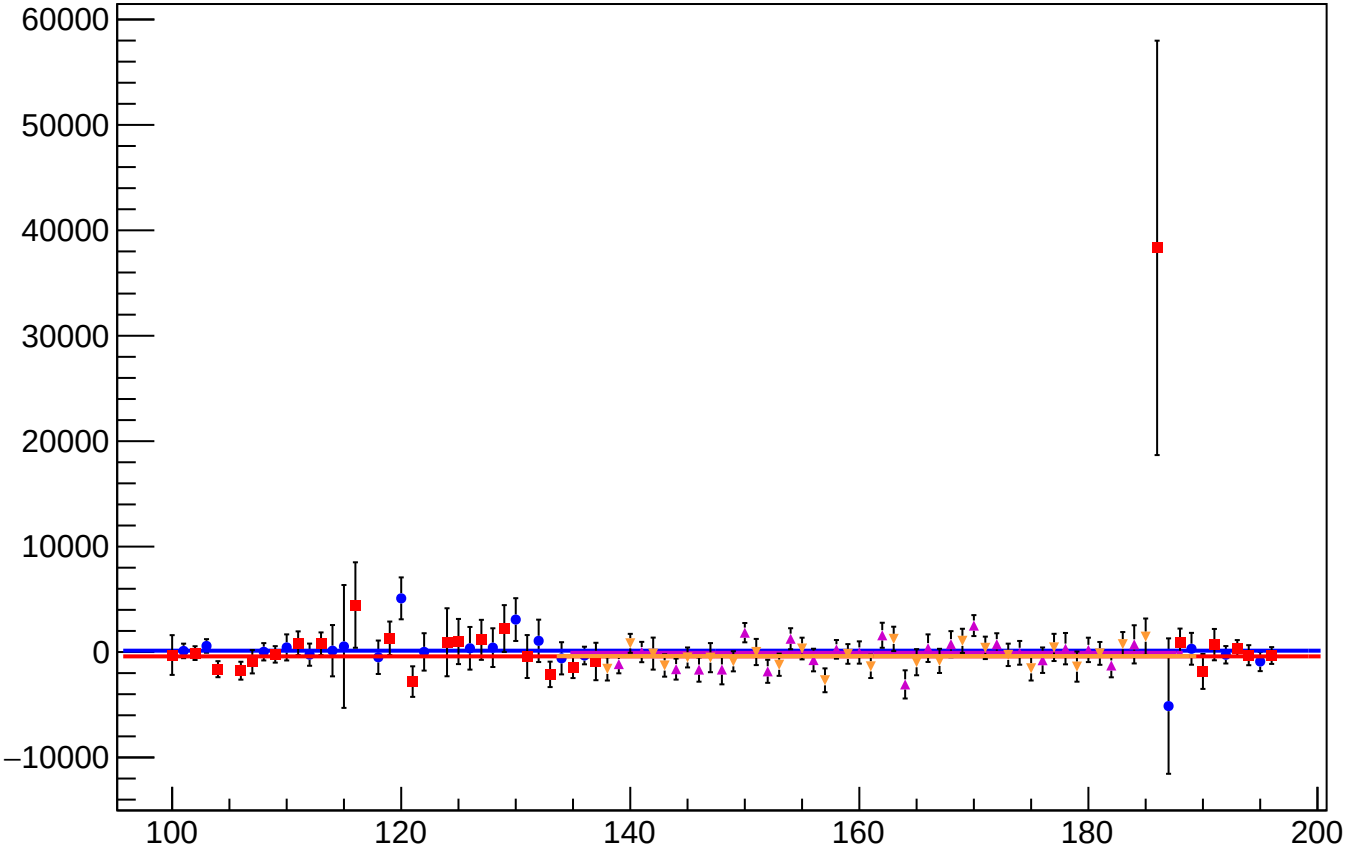
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401995.3/44

All: 132.602+/-0.013 χ^2/NDF: 8212714.2/93

- sign 130.927+/-0.018 χ^2/NDF: 4791919.1/48

asym_sam5_reg_correction_mean vs Slug



Right In: 127.606+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.703+/-227.035 χ^2/NDF: 26.3/25

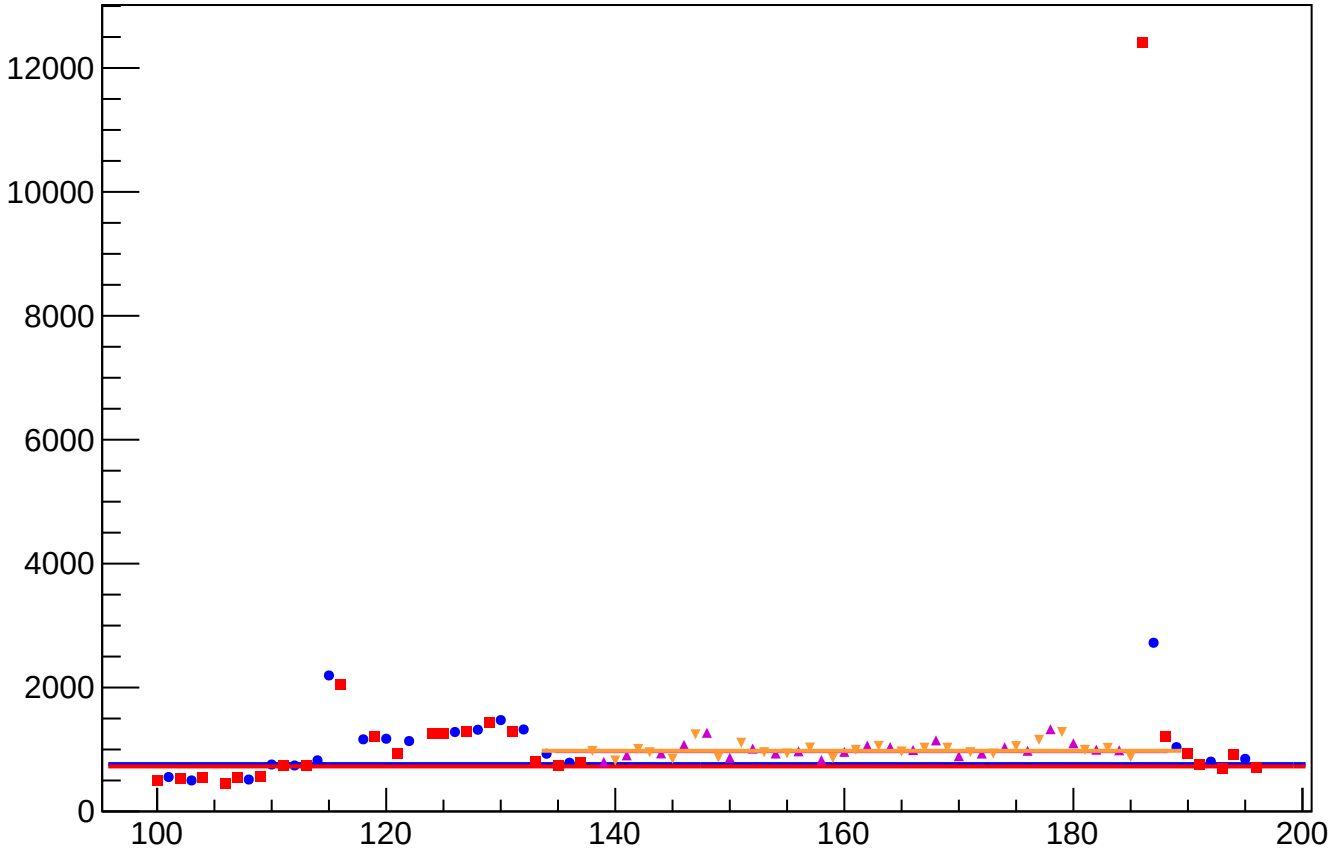
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -163.993+/-170.081 χ^2/NDF: 33.1/44

All: -206.911+/-117.115 χ^2/NDF: 93.7/93

- sign -245.610+/-161.502 χ^2/NDF: 60.5/48

asym_sam5_reg_correction_rms vs Slug



Right In: 764.328+/-0.184 χ^2/NDF: 2136780.6/19

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 726.361+/-0.161 χ^2/NDF: 2971177.0/25

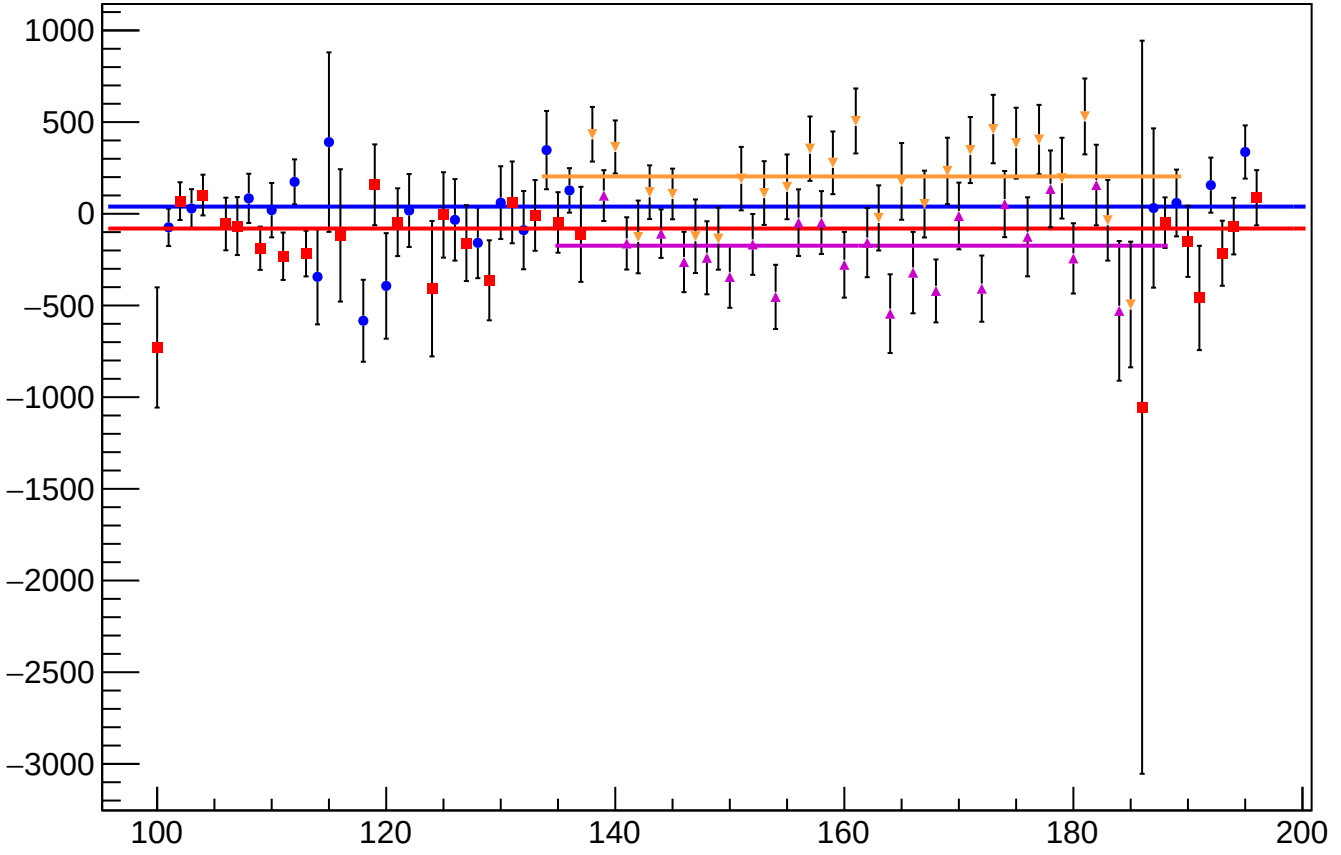
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346632.5/44

All: 867.065+/-0.083 χ^2/NDF: 8045241.9/93

- sign 848.598+/-0.114 χ^2/NDF: 4643461.4/48

cor_asym_sam5_mean vs Slug



Right In: 39.191+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.392+/-33.231 χ^2/NDF: 20.7/25

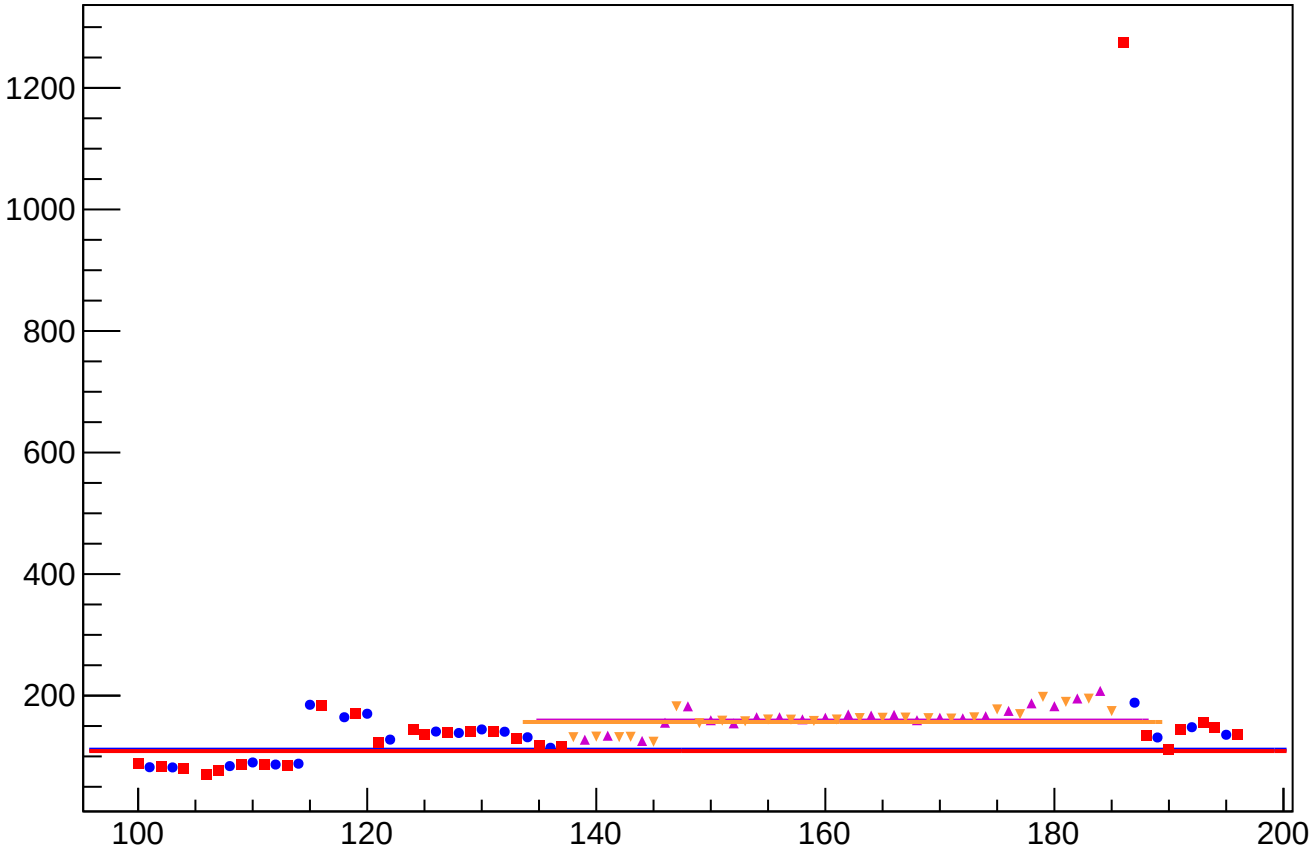
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.399+/-25.664 χ^2/NDF: 67.4/44

All: -3.118+/-17.850 χ^2/NDF: 163.2/93

- sign -121.674+/-24.843 χ^2/NDF: 48.7/48

cor_asym_sam5_rms vs Slug



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.0/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 108.793+/-0.023 χ^2/NDF: 2274760.0/25

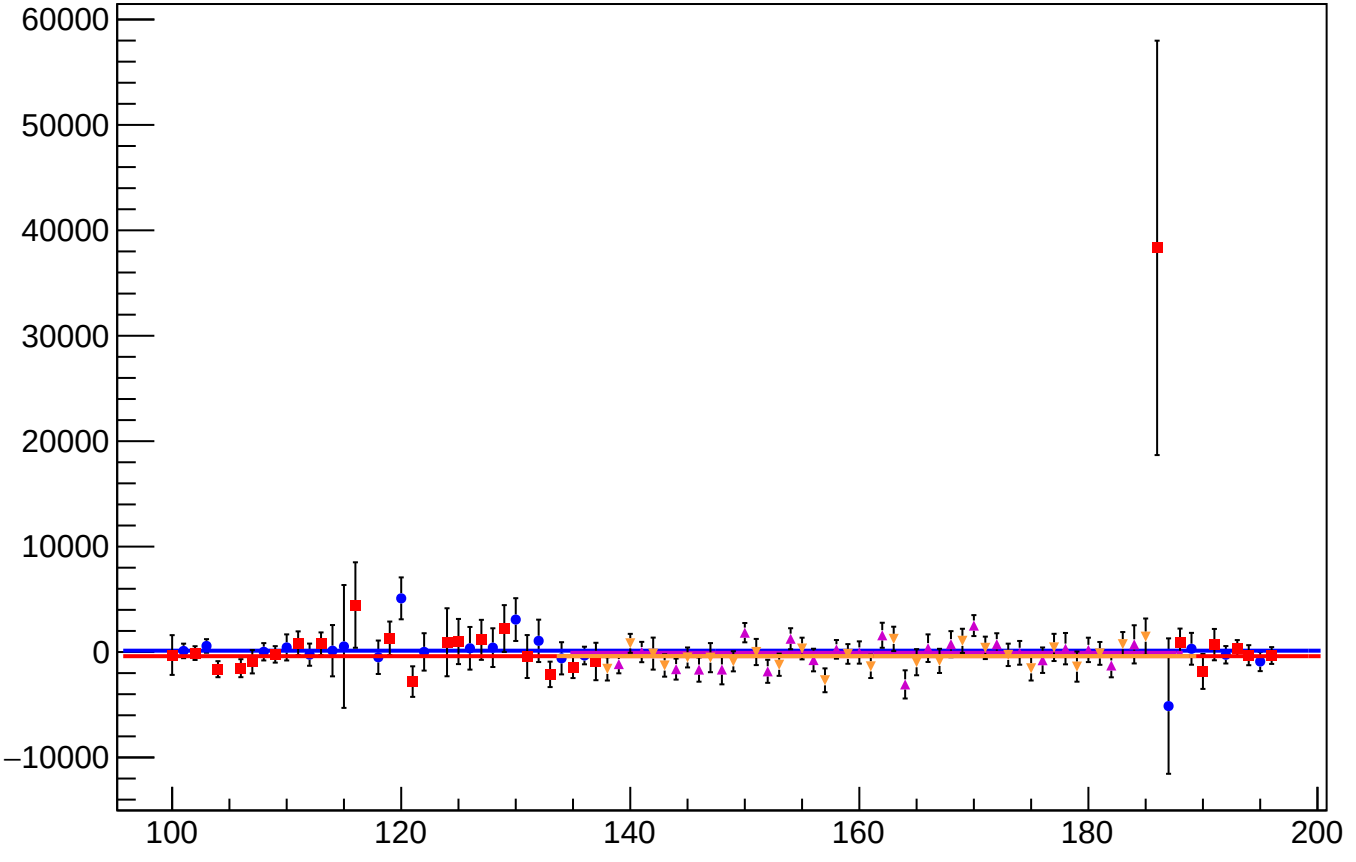
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401993.3/44

All: 132.598+/-0.013 χ^2/NDF: 8216884.8/93

- sign 130.919+/-0.018 χ^2/NDF: 4796001.3/48

asym_sam5_cor_correction_mean vs Slug



Right In: 127.608+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -394.286+/-227.141 χ^2/NDF: 25.5/25

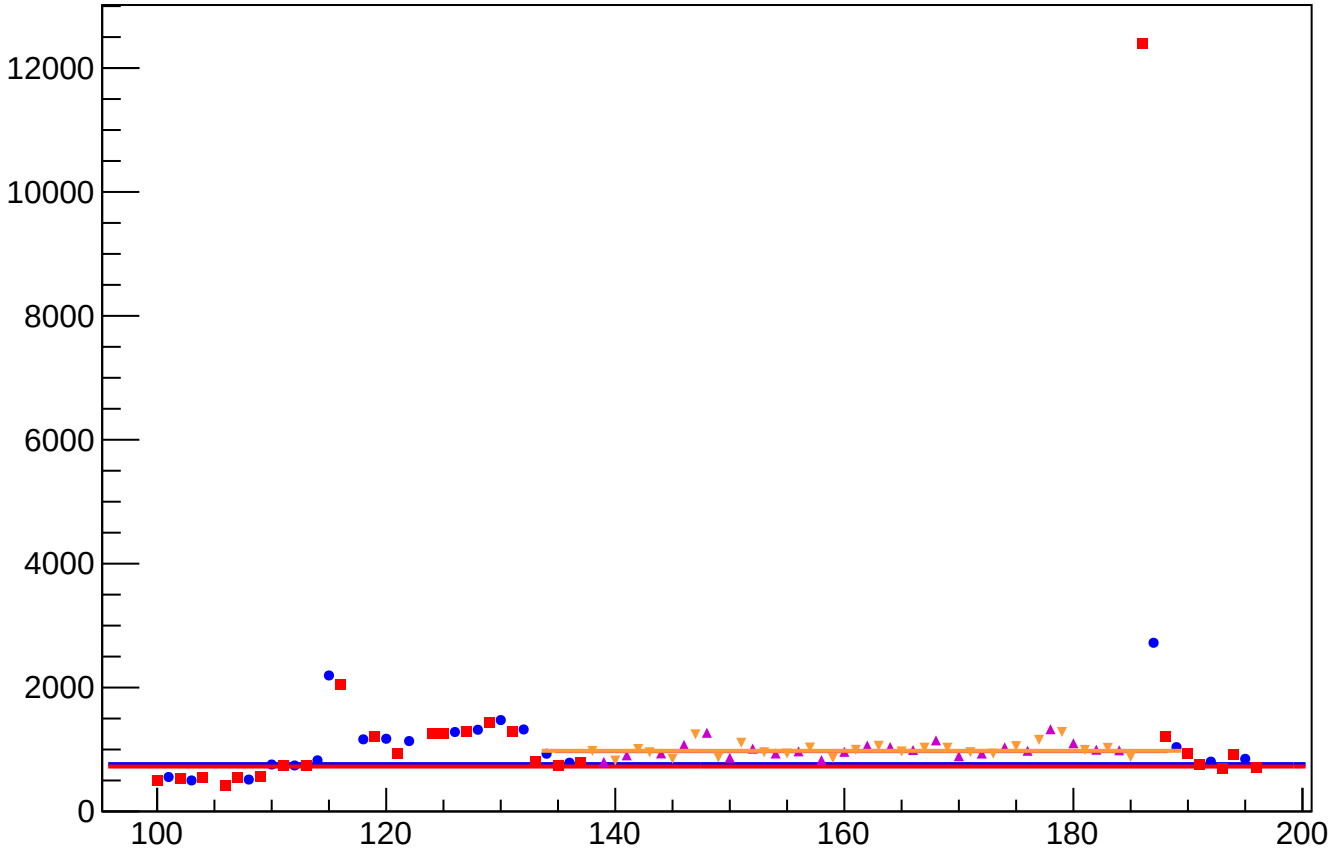
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -163.985+/-170.081 χ^2/NDF: 33.1/44

All: -201.959+/-117.129 χ^2/NDF: 92.7/93

- sign -236.215+/-161.541 χ^2/NDF: 59.5/48

asym_sam5_cor_correction_rms vs Slug



Right In: 764.328+/-0.184 χ^2/NDF: 2136783.1/19

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 724.893+/-0.161 χ^2/NDF: 3007084.6/25

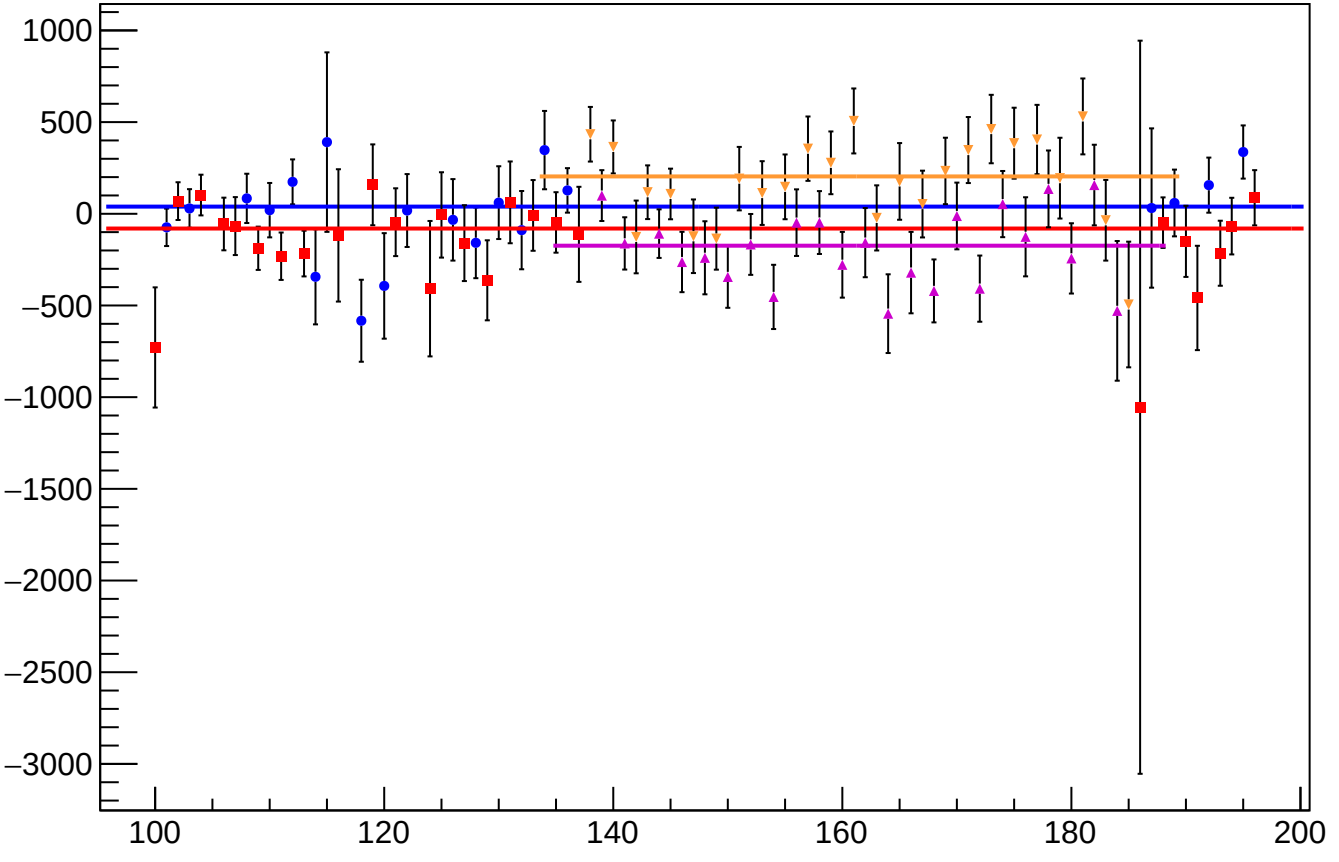
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346638.3/44

All: 866.709+/-0.083 χ^2/NDF: 8096525.1/93

- sign 847.913+/-0.114 χ^2/NDF: 4692794.9/48

eigen_cor_asym_sam5_mean vs Slug



Right In: 39.191+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.392+/-33.231 χ^2/NDF: 20.7/25

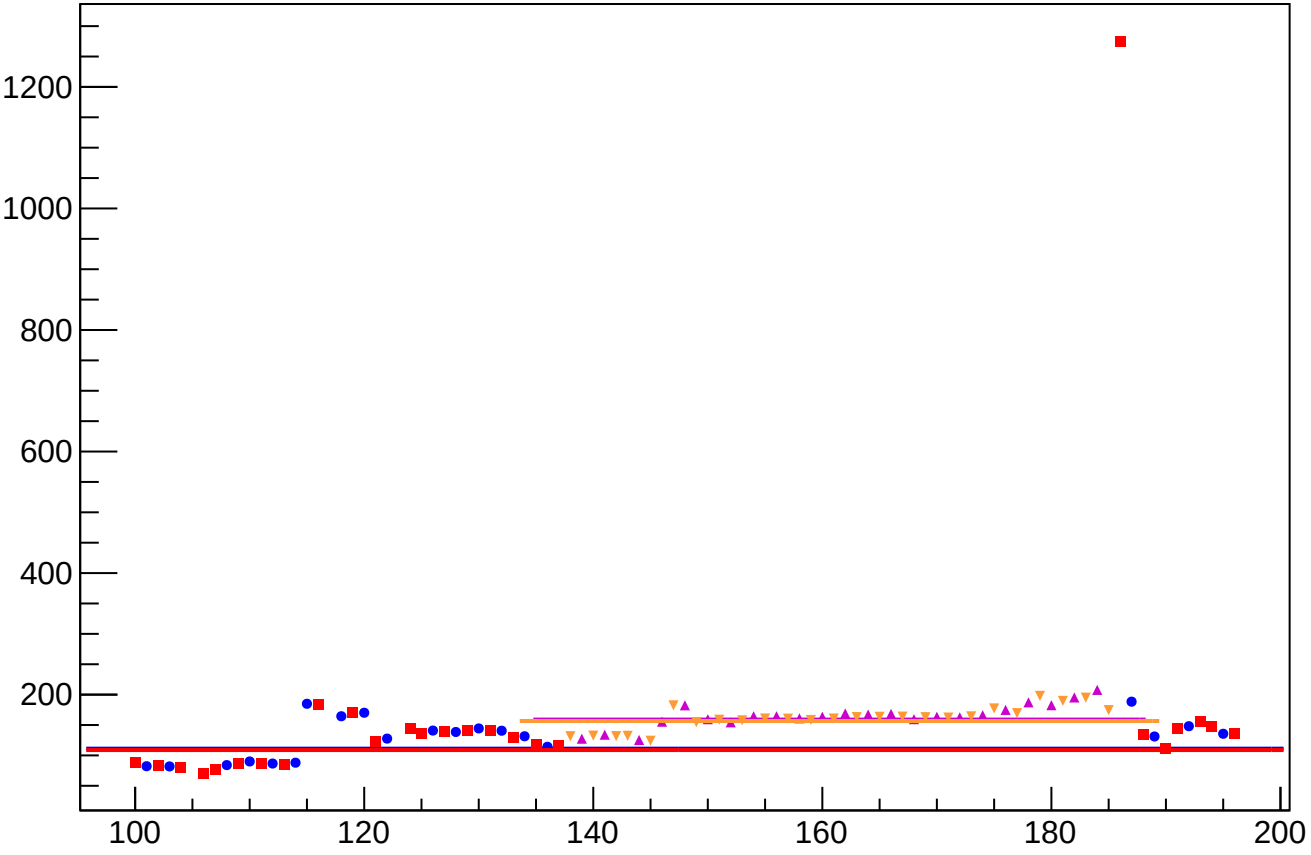
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.399+/-25.664 χ^2/NDF: 67.4/44

All: -3.118+/-17.850 χ^2/NDF: 163.2/93

- sign -121.674+/-24.843 χ^2/NDF: 48.7/48

eigen_cor_asym_sam5_rms vs Slug



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.0/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 108.793+/-0.023 χ^2/NDF: 2274760.0/25

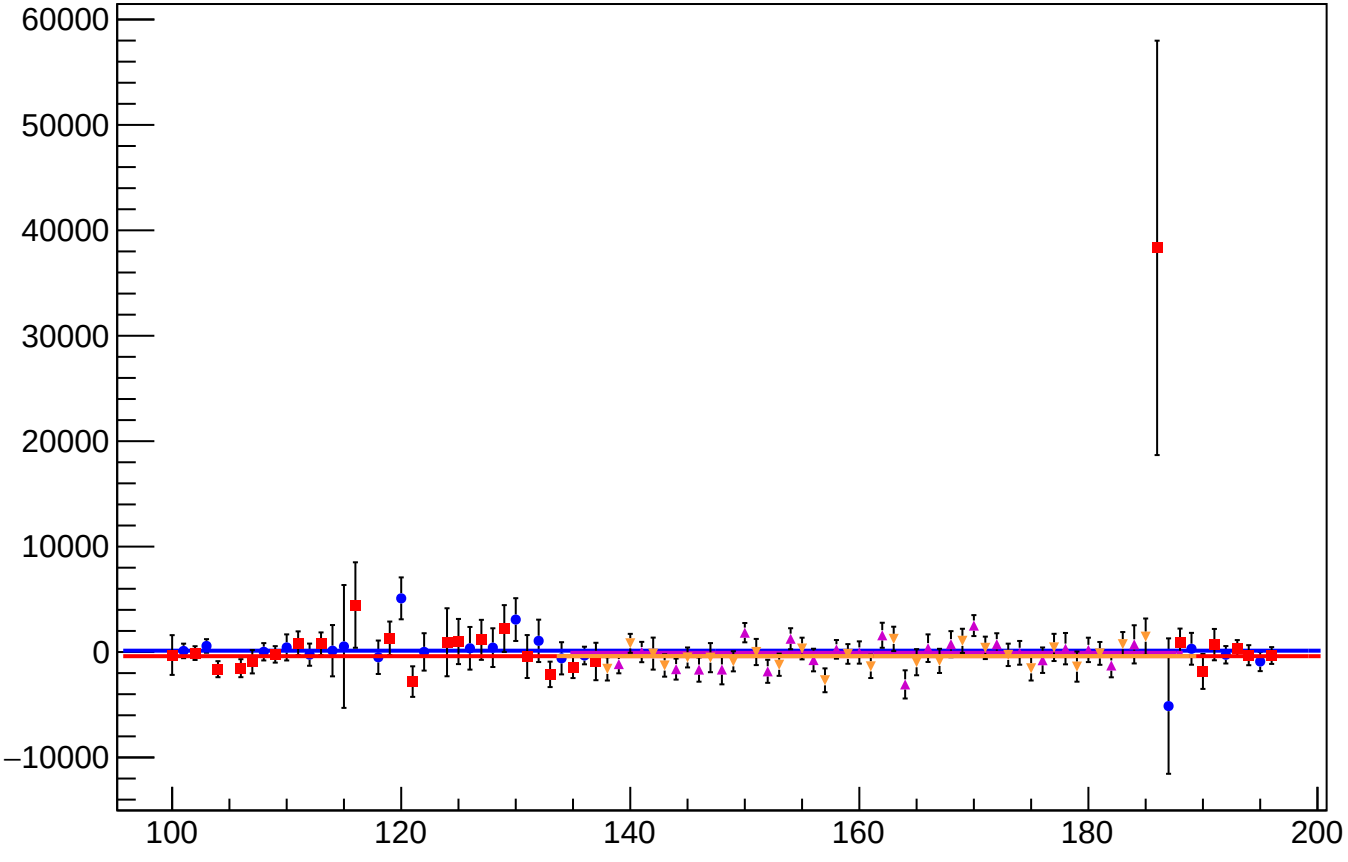
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401993.3/44

All: 132.598+/-0.013 χ^2/NDF: 8216884.8/93

- sign 130.919+/-0.018 χ^2/NDF: 4796001.3/48

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 127.608+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -394.286+/-227.141 χ^2/NDF: 25.5/25

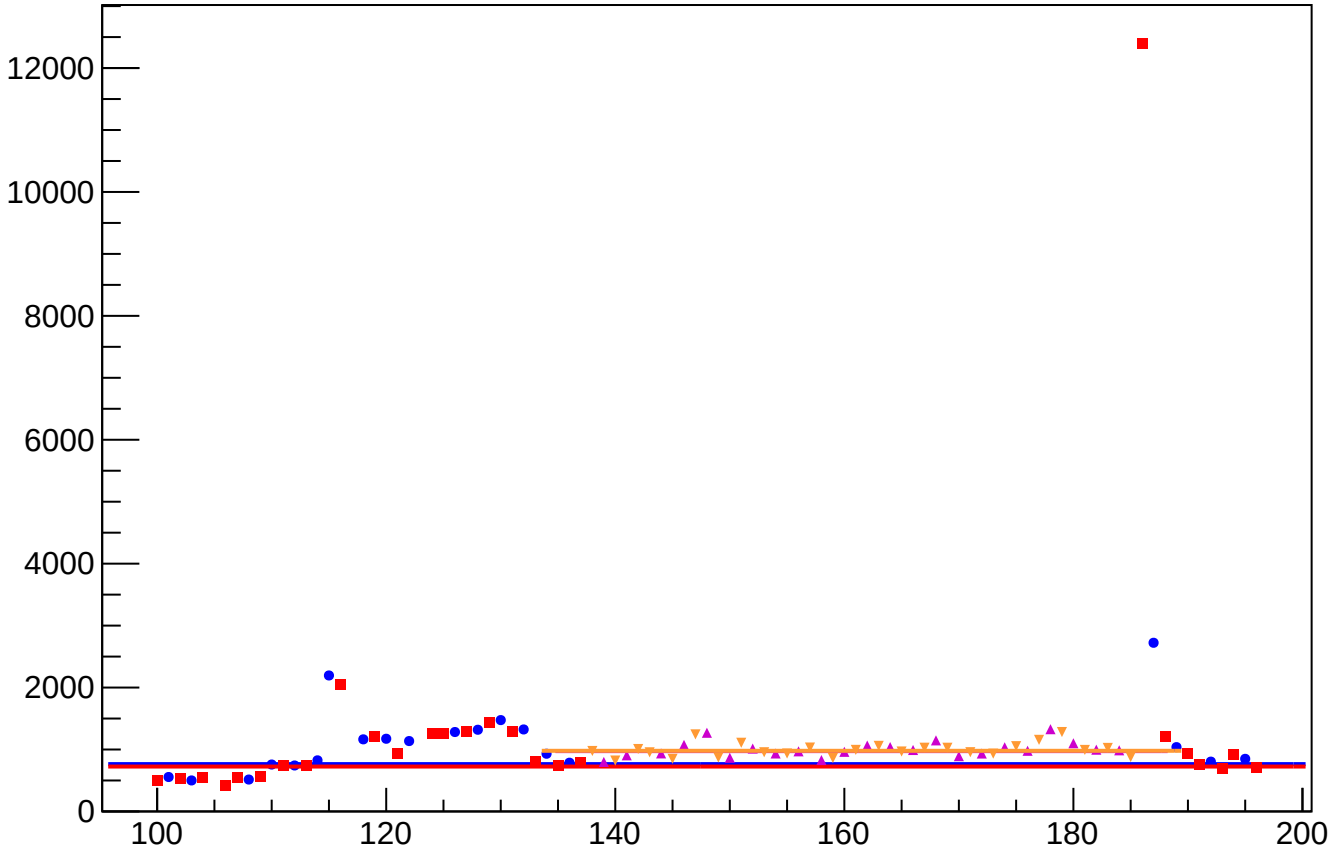
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -163.985+/-170.081 χ^2/NDF: 33.1/44

All: -201.959+/-117.129 χ^2/NDF: 92.7/93

- sign -236.215+/-161.541 χ^2/NDF: 59.5/48

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 764.328+/-0.184 χ^2/NDF: 2136783.1/19

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 724.893+/-0.161 χ^2/NDF: 3007084.6/25

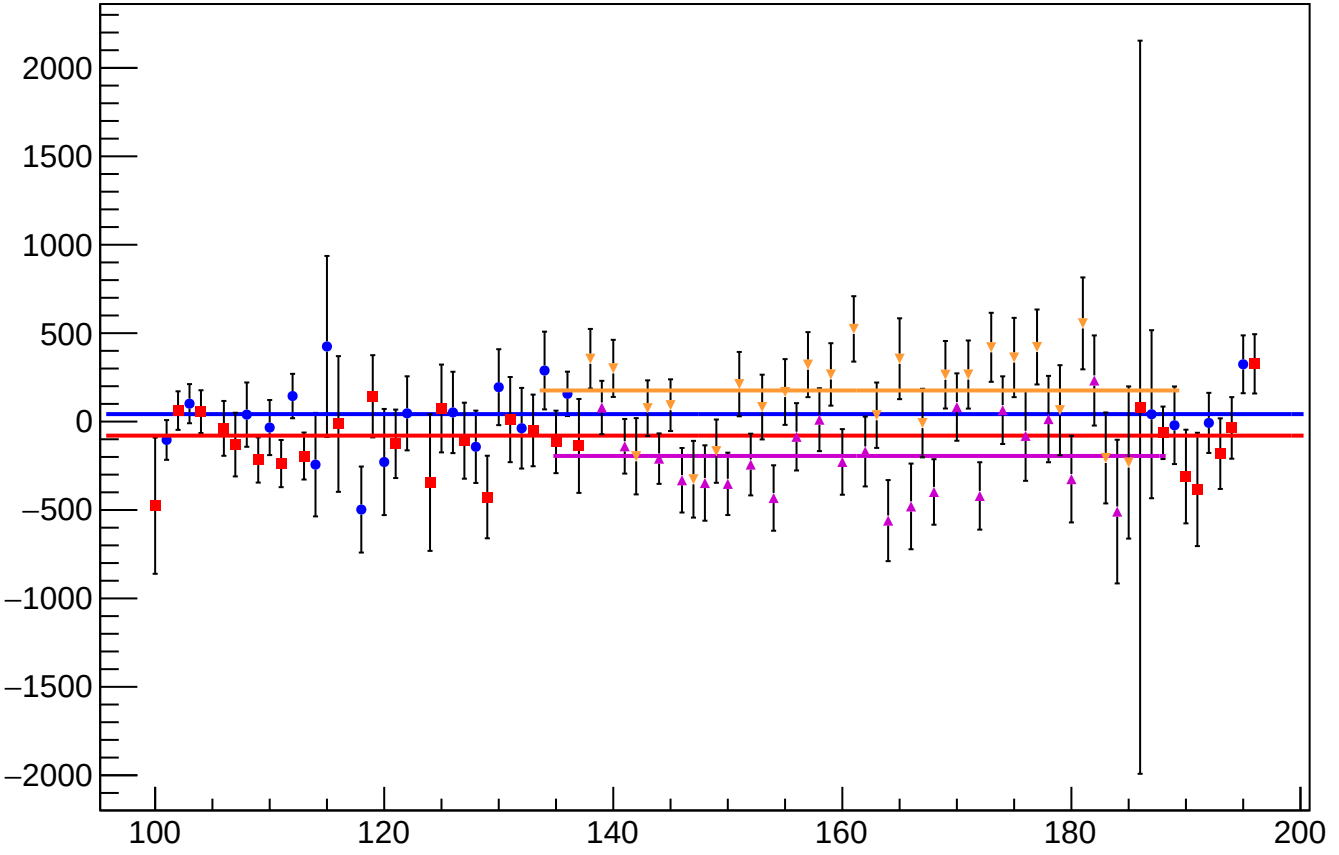
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346638.3/44

All: 866.709+/-0.083 χ^2/NDF: 8096525.1/93

- sign 847.913+/-0.114 χ^2/NDF: 4692794.9/48

dit_asym_sam5_mean vs Slug



Right In: 42.235+/-39.932 χ^2/NDF: 16.8/19

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -79.395+/-35.995 χ^2/NDF: 19.7/25

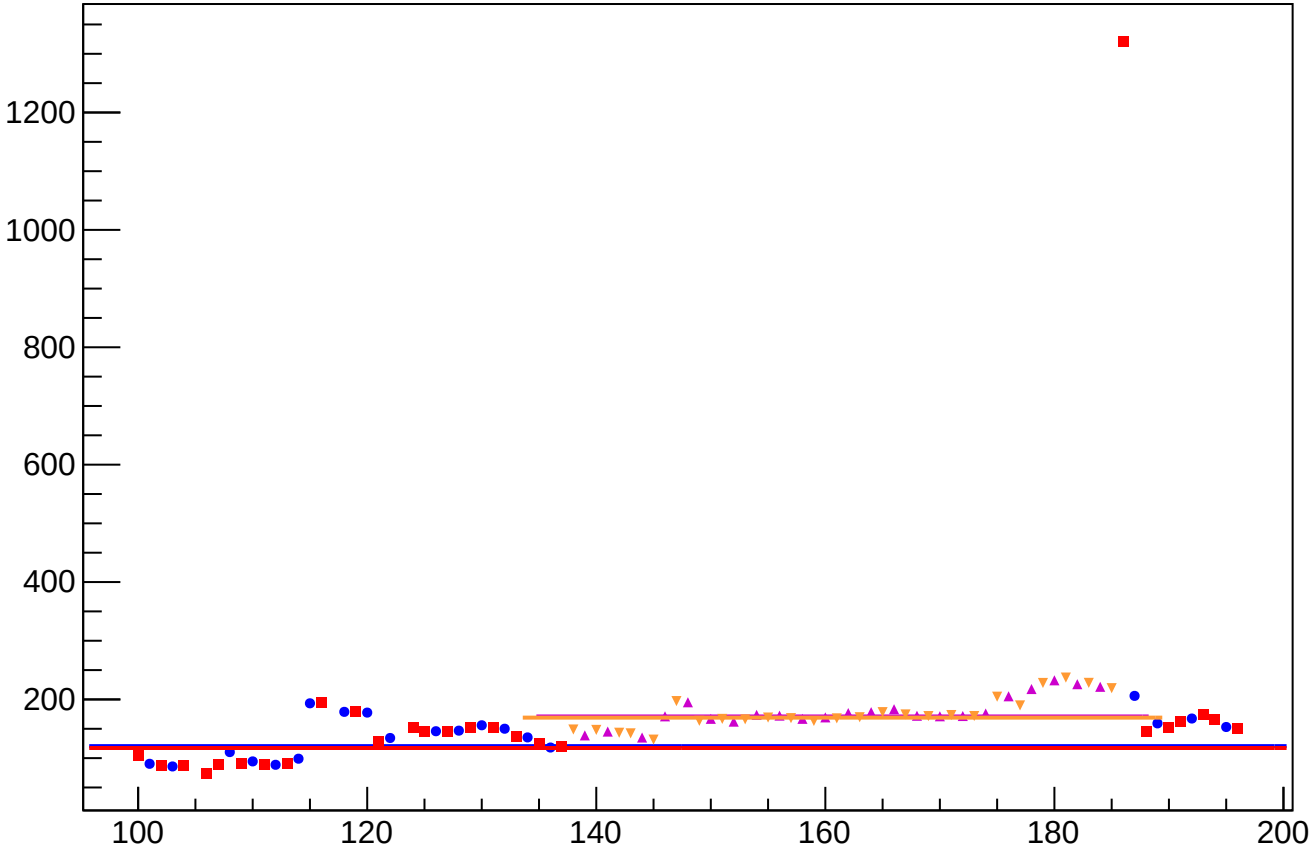
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.981+/-27.841 χ^2/NDF: 53.3/44

All: -13.927+/-19.334 χ^2/NDF: 140.2/93

- sign -130.277+/-26.870 χ^2/NDF: 48.0/48

dit_asym_sam5_rms vs Slug



Right In: 120.447+/-0.028 χ^2/NDF: 1293432.1/19

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 117.274+/-0.025 χ^2/NDF: 2380299.6/25

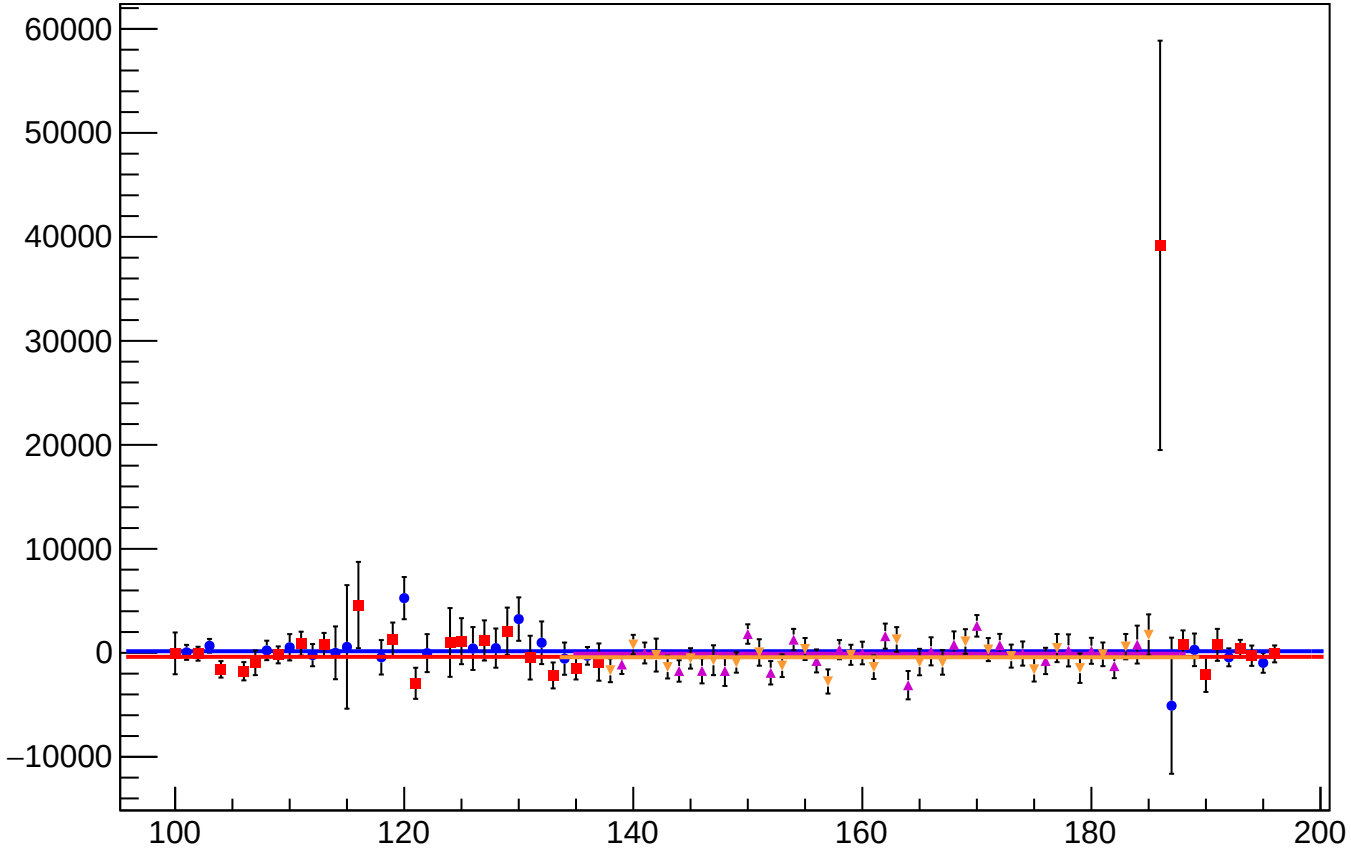
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.403+/-0.020 χ^2/NDF: 3587398.0/44

All: 143.159+/-0.014 χ^2/NDF: 8645109.8/93

- sign 141.069+/-0.019 χ^2/NDF: 5032625.7/48

asym_sam5_dit_correction_mean vs Slug



Right In: 153.953+/-271.089 χ^2/NDF: 12.7/19

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -382.948+/-234.885 χ^2/NDF: 26.2/25

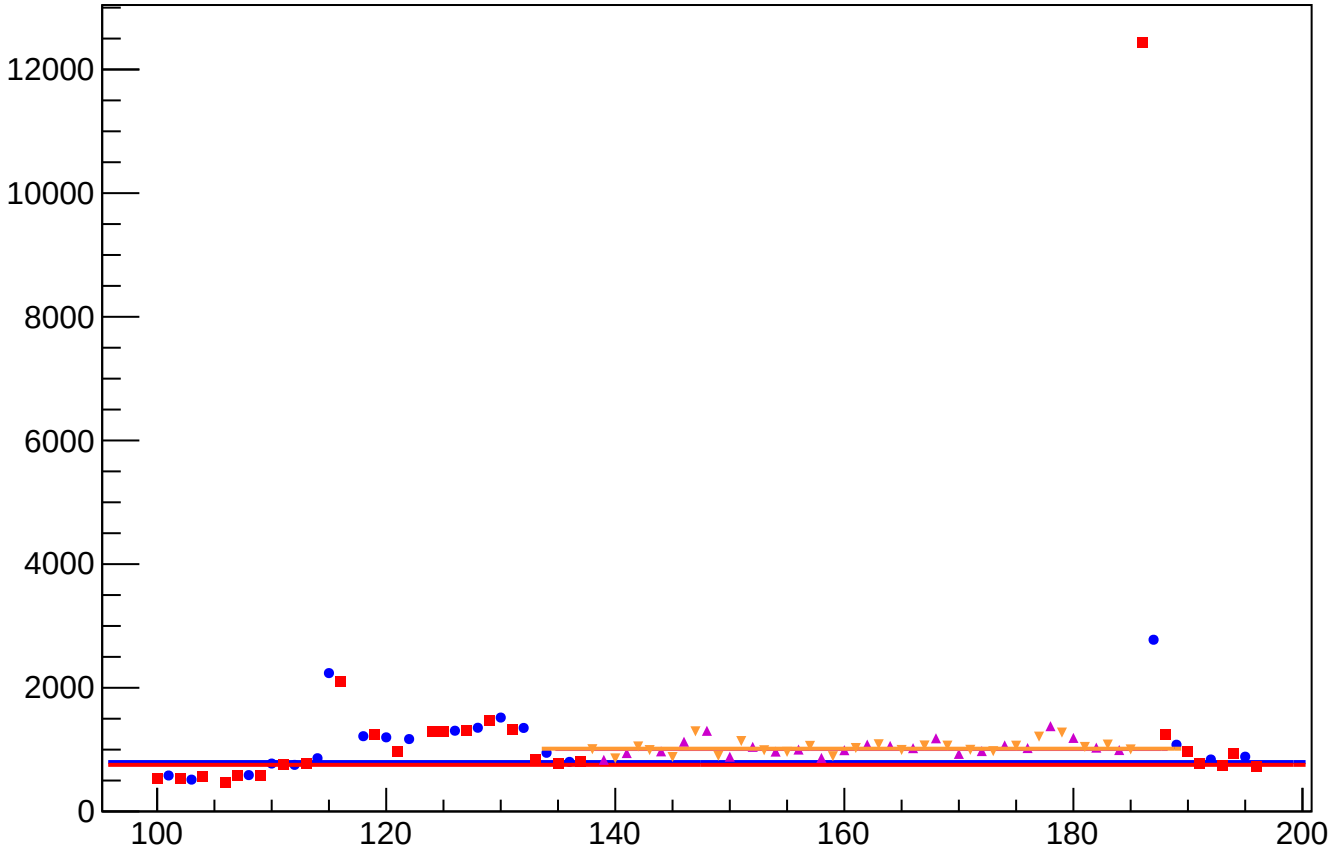
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -180.026+/-176.509 χ^2/NDF: 33.7/44

All: -209.926+/-121.398 χ^2/NDF: 93.1/93

- sign -236.766+/-167.233 χ^2/NDF: 59.3/48

asym_sam5_dit_correction_rms vs Slug



Right In: 798.742+/-0.192 χ^2/NDF: 2026474.3/19

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 753.920+/-0.166 χ^2/NDF: 2893525.6/25

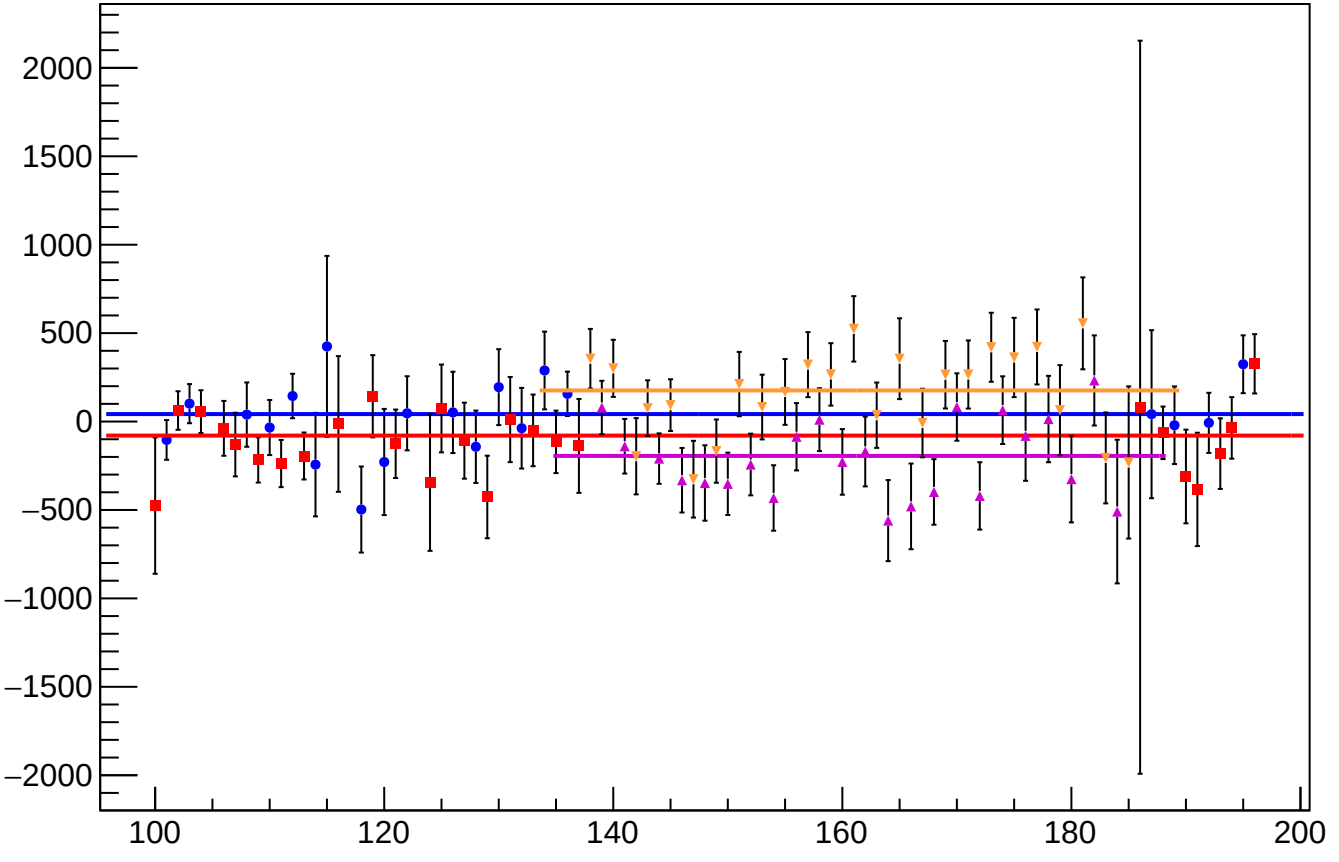
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 923.345+/-0.125 χ^2/NDF: 3157938.0/44

All: 900.518+/-0.086 χ^2/NDF: 7782898.3/93

- sign 880.028+/-0.118 χ^2/NDF: 4561489.1/48

eigen_dit_asym_sam5_mean vs Slug



Right In: 42.234+/-39.932 χ^2/NDF: 16.8/19

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -79.395+/-35.995 χ^2/NDF: 19.7/25

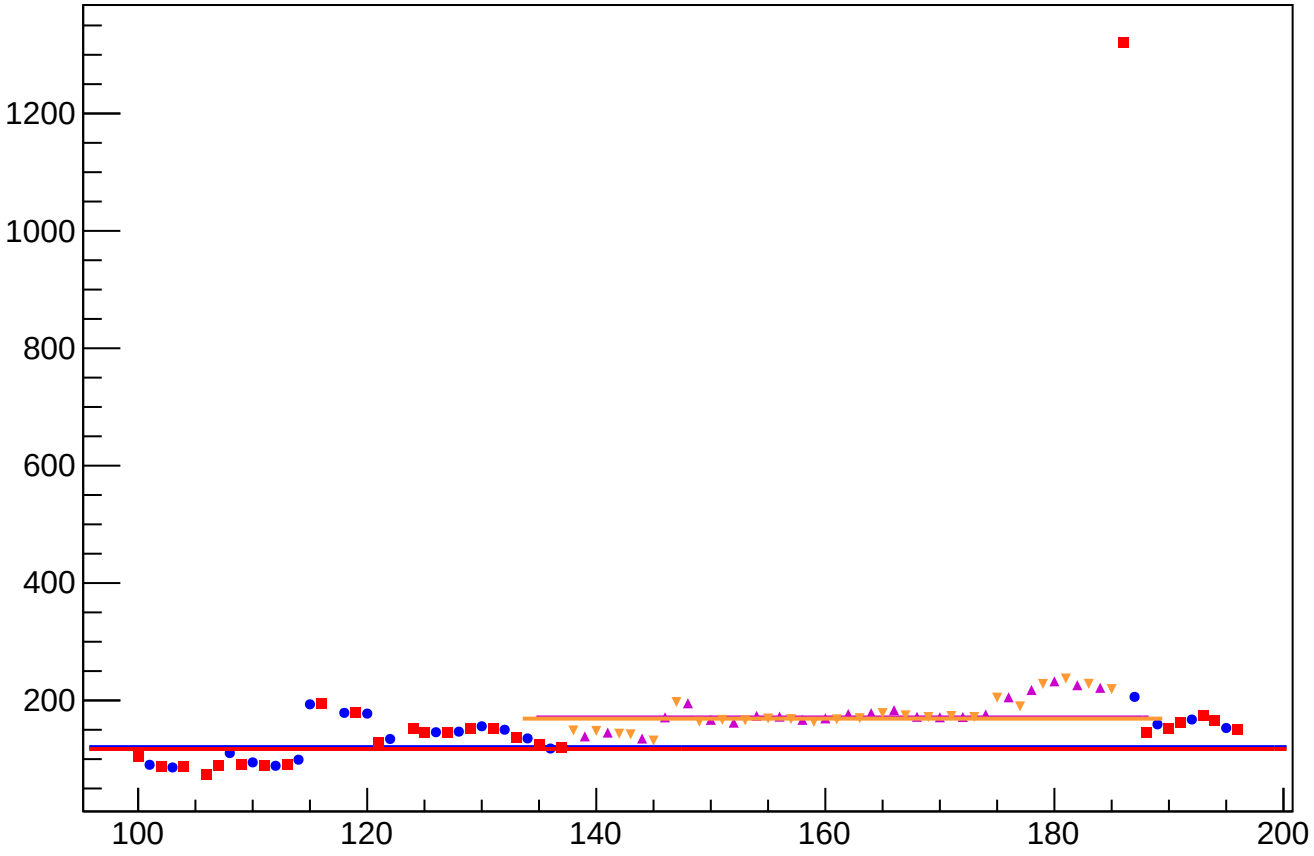
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.981+/-27.841 χ^2/NDF: 53.3/44

All: -13.927+/-19.334 χ^2/NDF: 140.2/93

- sign -130.277+/-26.870 χ^2/NDF: 48.0/48

eigen_dit_asym_sam5_rms vs Slug



Right In: 120.447+/-0.028 χ^2/NDF: 1293434.8/19

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 117.274+/-0.025 χ^2/NDF: 2380297.7/25

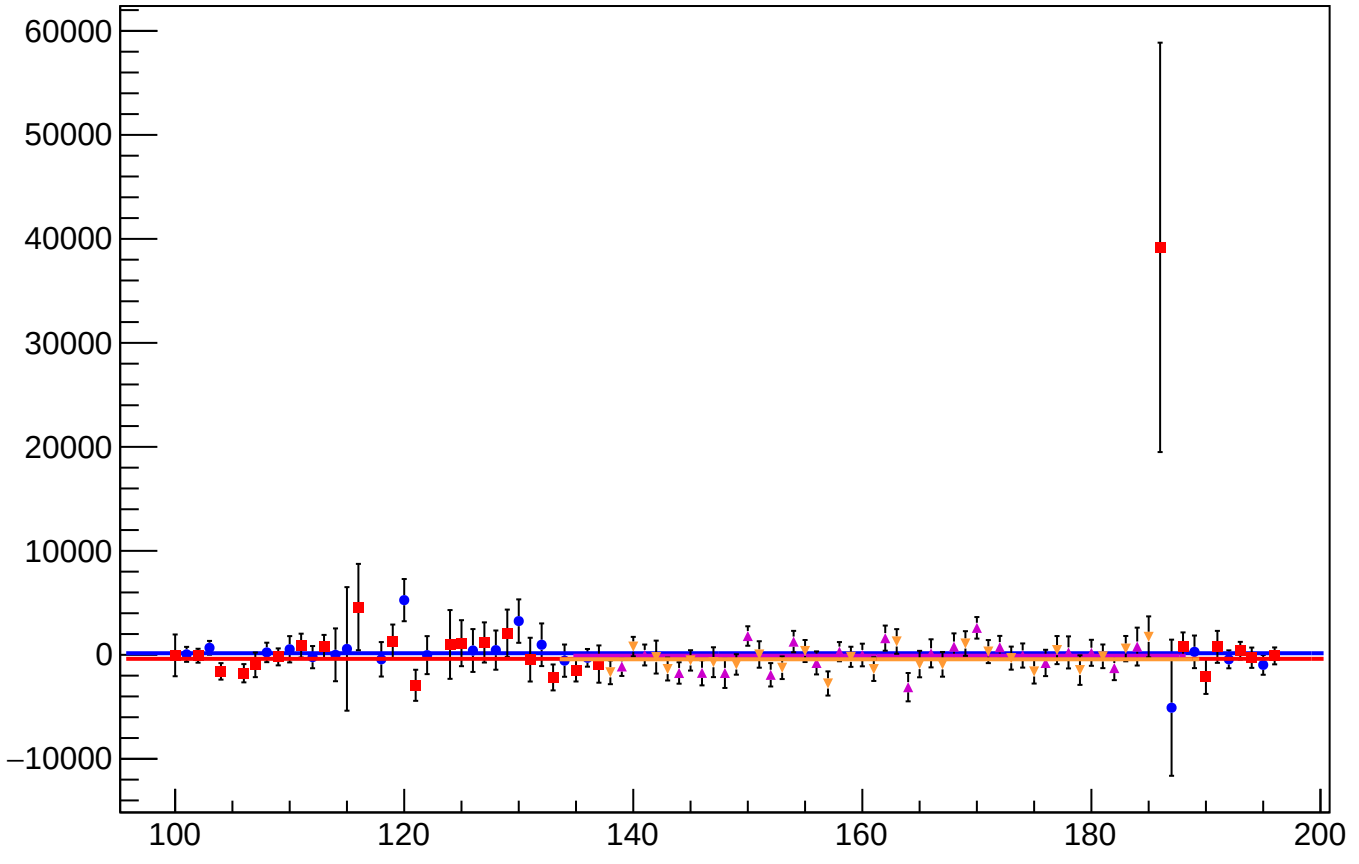
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.403+/-0.020 χ^2/NDF: 3587415.9/44

All: 143.159+/-0.014 χ^2/NDF: 8645147.5/93

- sign 141.069+/-0.019 χ^2/NDF: 5032646.5/48

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 153.952+/-271.088 χ^2/NDF: 12.7/19

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -382.948+/-234.885 χ^2/NDF: 26.2/25

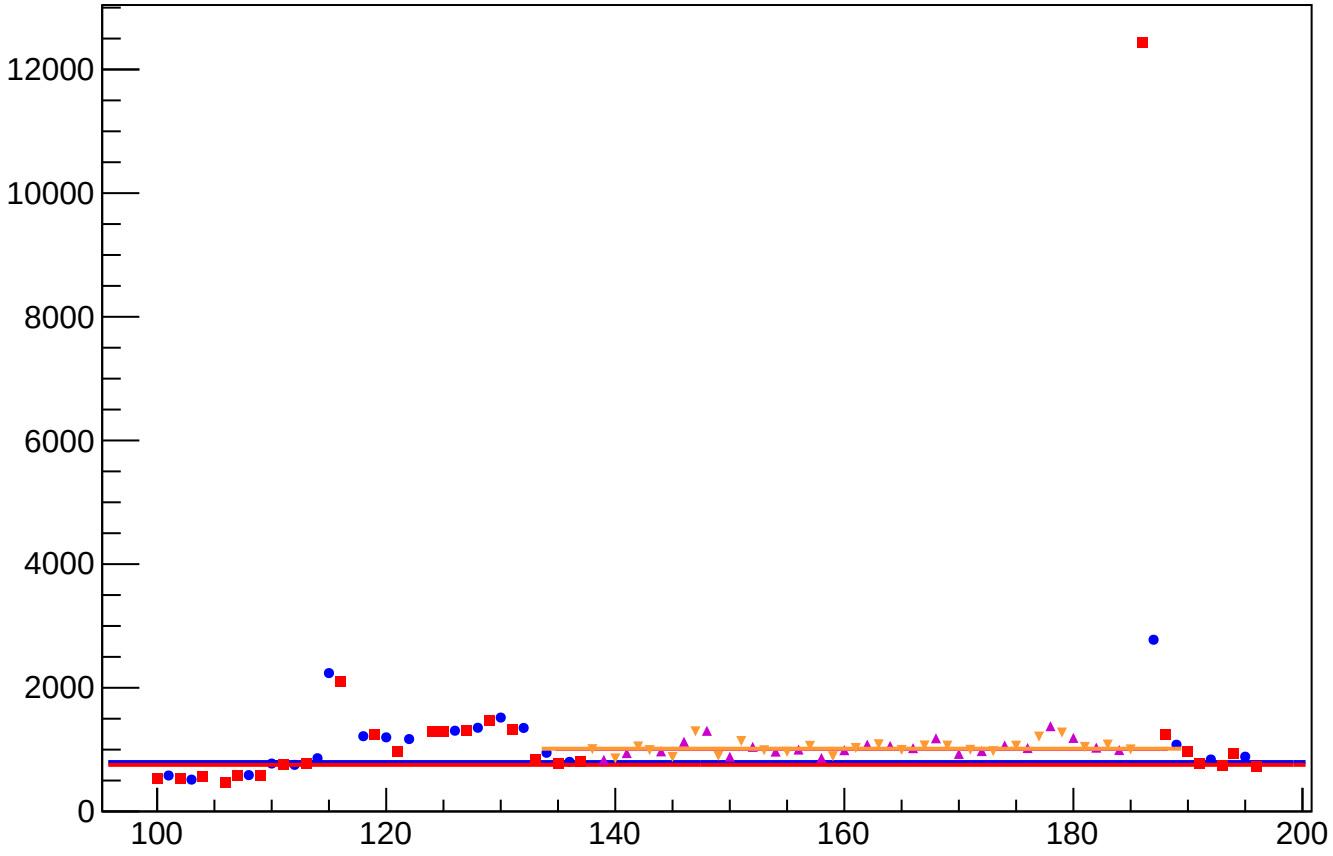
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -180.025+/-176.509 χ^2/NDF: 33.7/44

All: -209.926+/-121.398 χ^2/NDF: 93.1/93

- sign -236.767+/-167.233 χ^2/NDF: 59.3/48

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 798.741+/-0.192 χ^2/NDF: 2026473.9/19

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 753.919+/-0.166 χ^2/NDF: 2893527.1/25

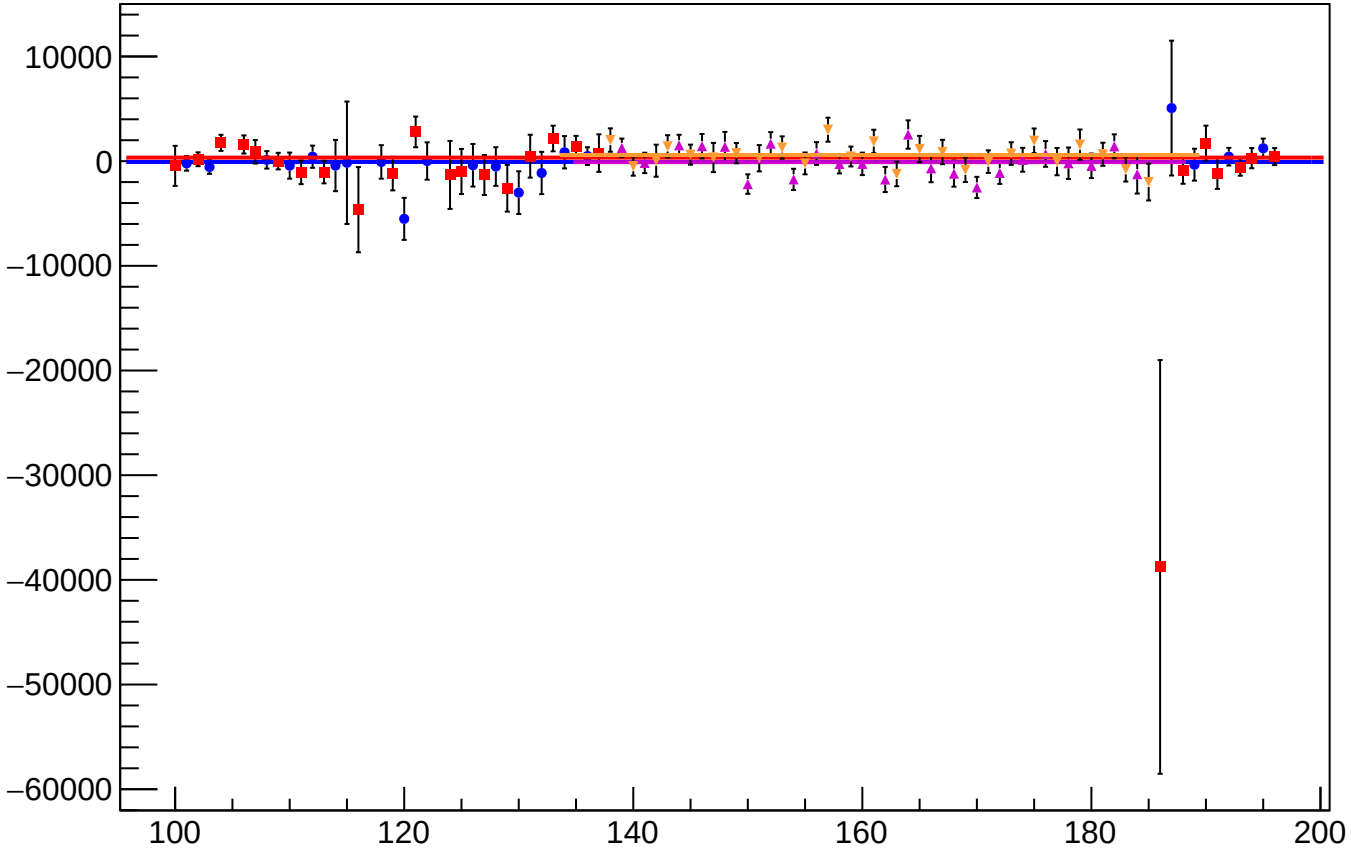
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 923.345+/-0.125 χ^2/NDF: 3157950.7/44

All: 900.518+/-0.086 χ^2/NDF: 7782929.9/93

- sign 880.029+/-0.118 χ^2/NDF: 4561508.2/48

asym_sam5_mean vs Slug



Right In: -77.181+/-263.563 χ^2/NDF: 14.5/19

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 337.617+/-230.126 χ^2/NDF: 28.5/25

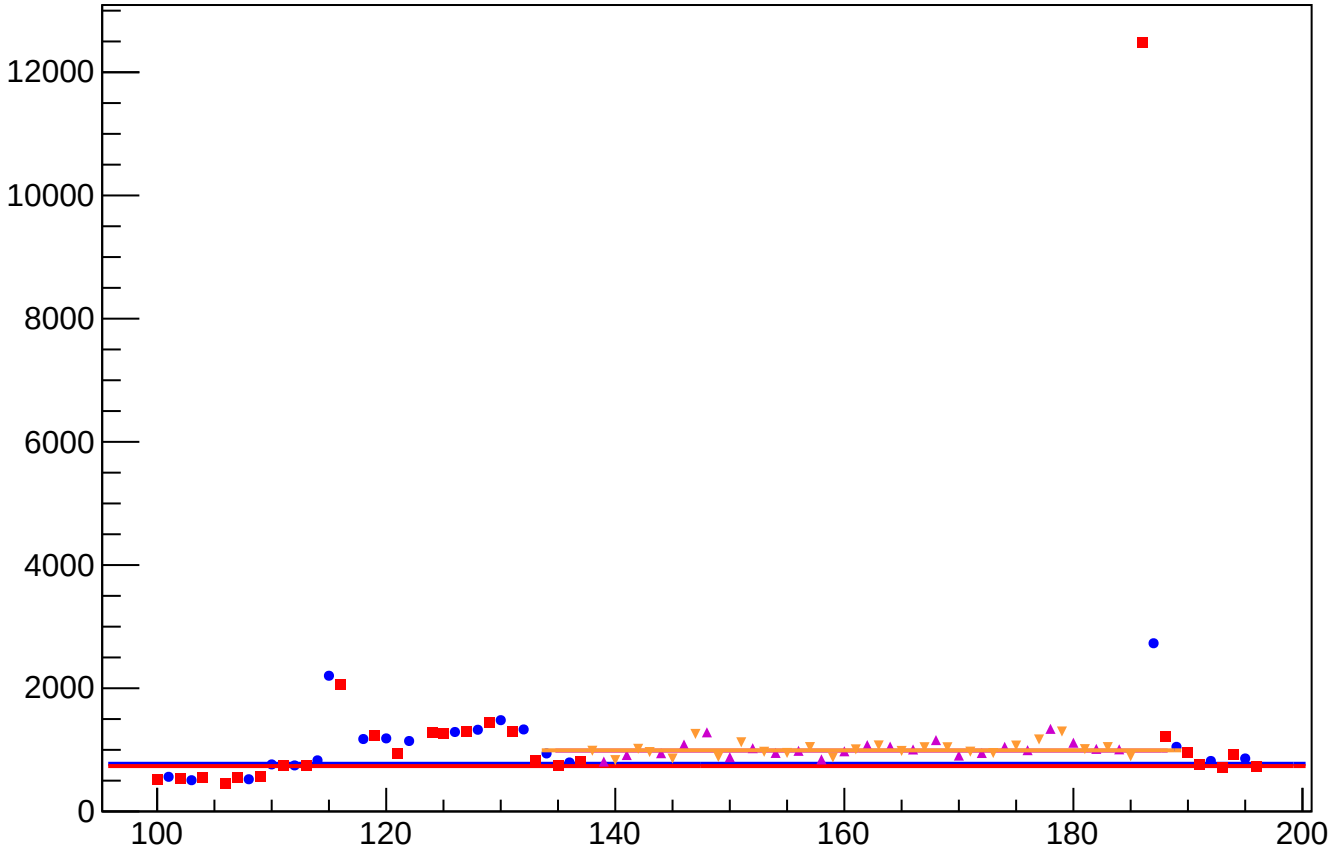
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 302.837+/-172.254 χ^2/NDF: 38.9/44

All: 209.494+/-118.676 χ^2/NDF: 104.3/93

\- sign 125.153+/-163.737 χ^2/NDF: 64.8/48

asym_sam5_rms vs Slug



Right In: 773.916+/-0.186 χ^2/NDF: 2114814.8/19

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

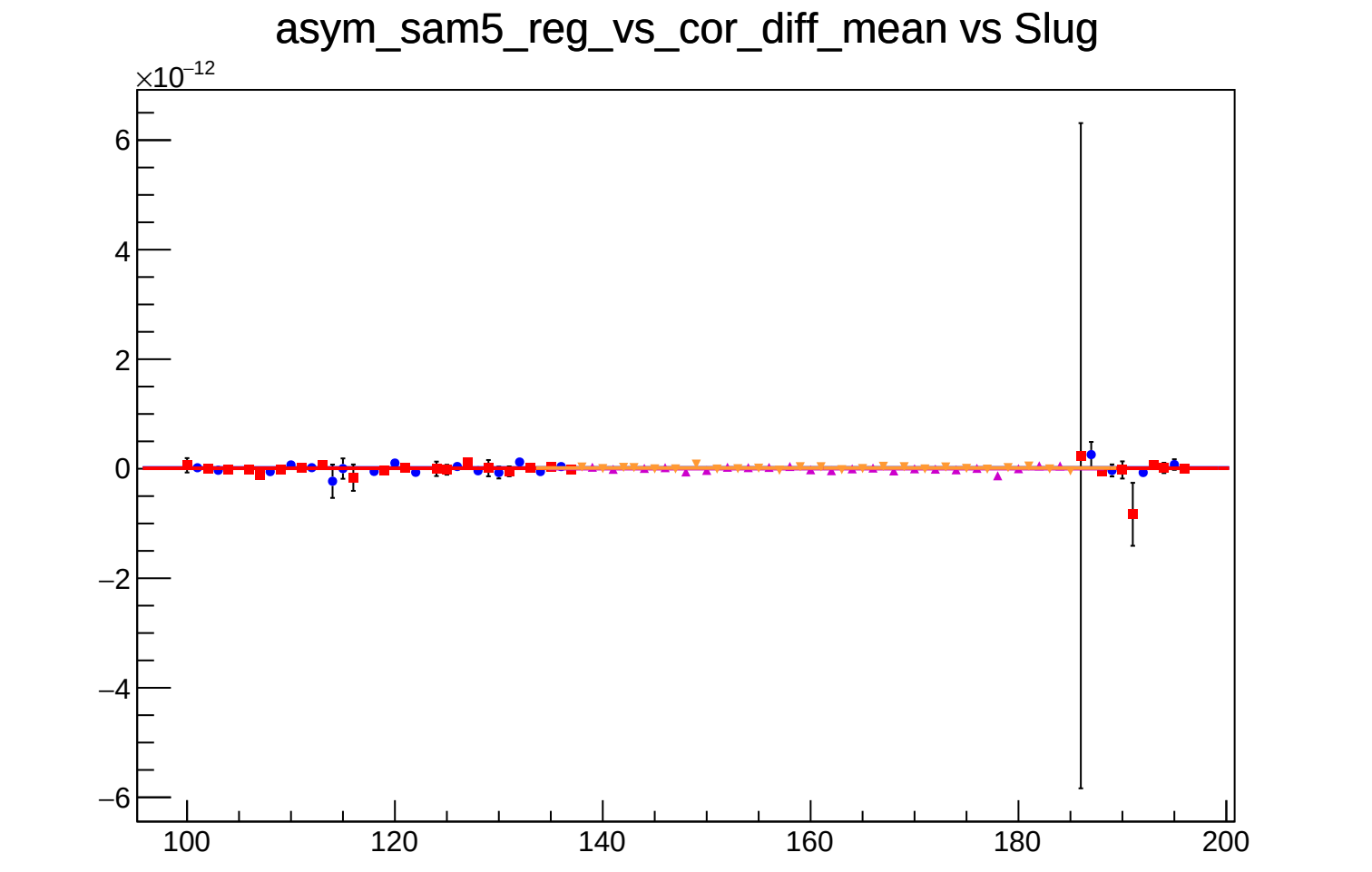
Right Out: 736.516+/-0.163 χ^2/NDF: 2951254.1/25

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 899.163+/-0.122 χ^2/NDF: 3328106.4/44

All: 878.894+/-0.084 χ^2/NDF: 7997093.1/93

- sign 860.580+/-0.116 χ^2/NDF: 4616276.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/25

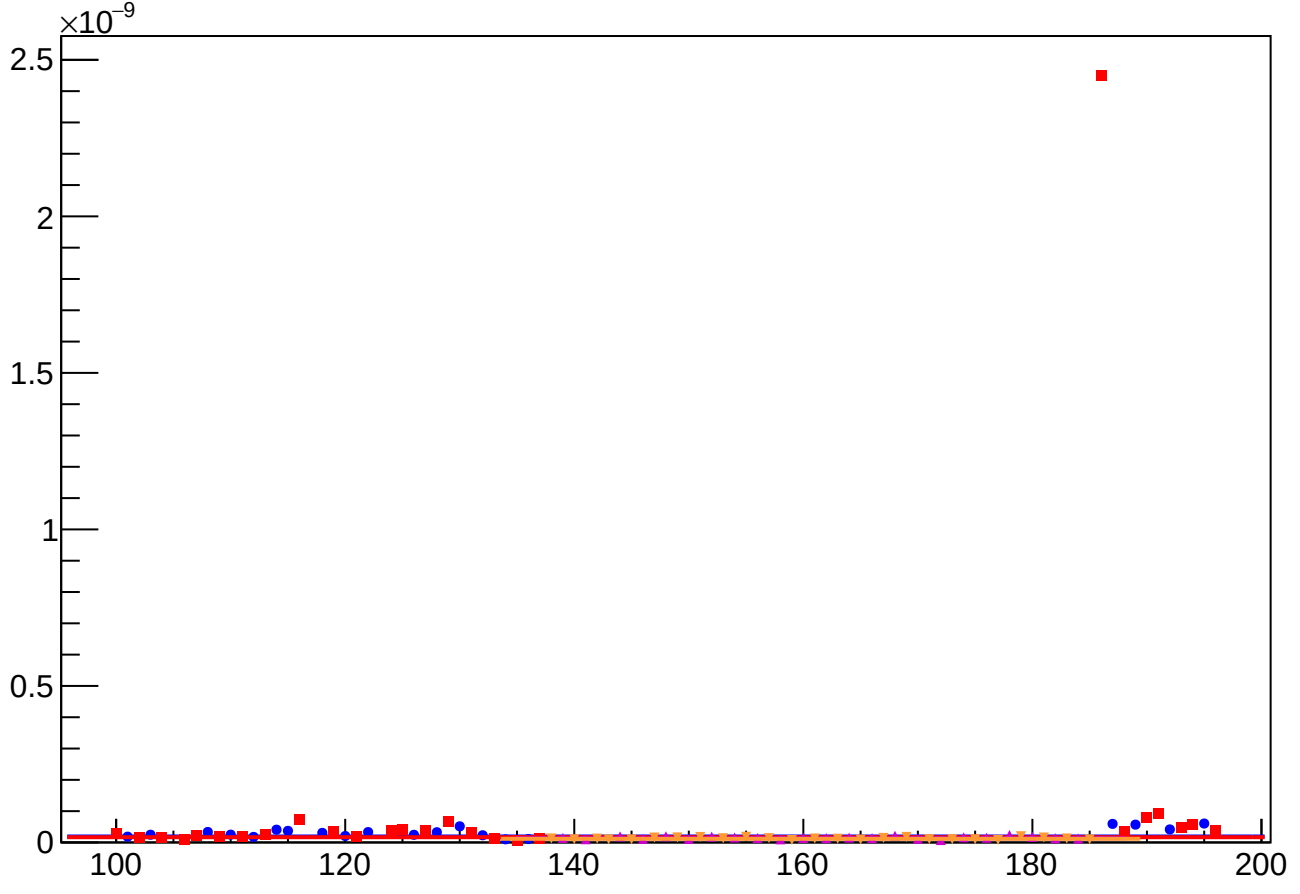
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/44

All: 0.000+/-0.000 χ^2/NDF: 93.3/93

- 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: 2077395.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3632956.4/25

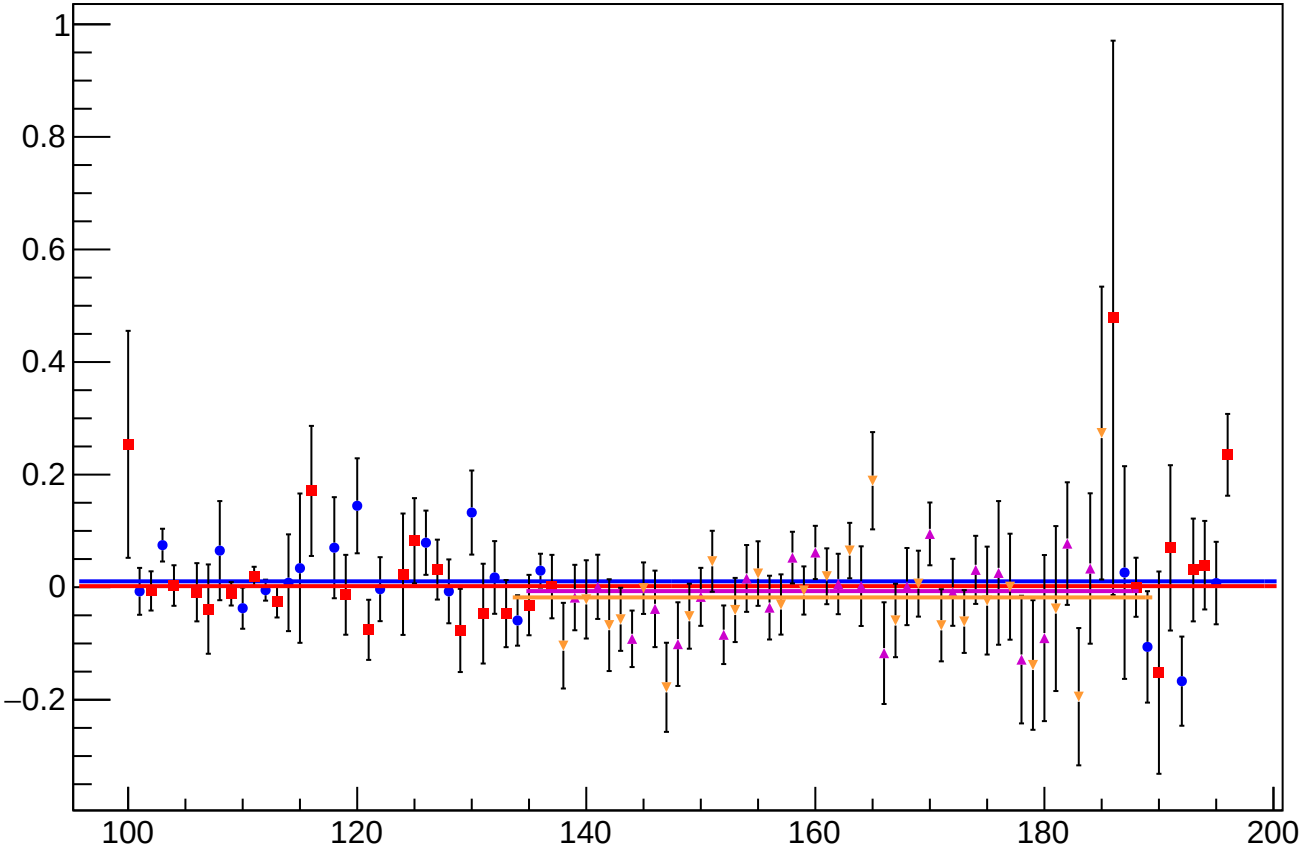
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3667408.5/44

All: 0.000+/-0.000 χ^2/NDF: 8450409.1/93

- sign 0.000+/-0.000 χ^2/NDF: 4688923.7/48

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

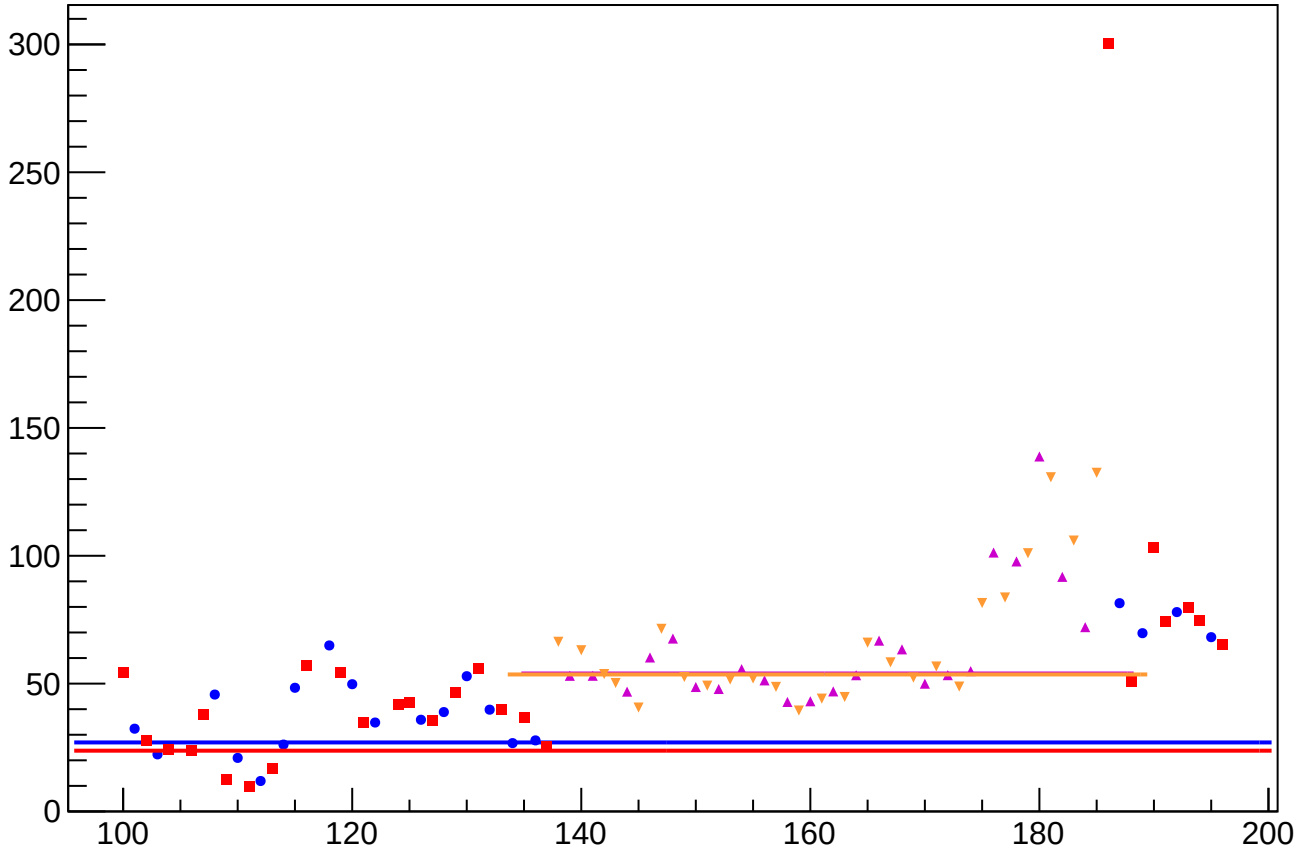
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.001+/-0.005 χ^2/NDF: 95.9/93

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 26.996+/-0.007 χ^2/NDF: 4588869.7/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 23.771+/-0.006 χ^2/NDF: 7871786.7/25

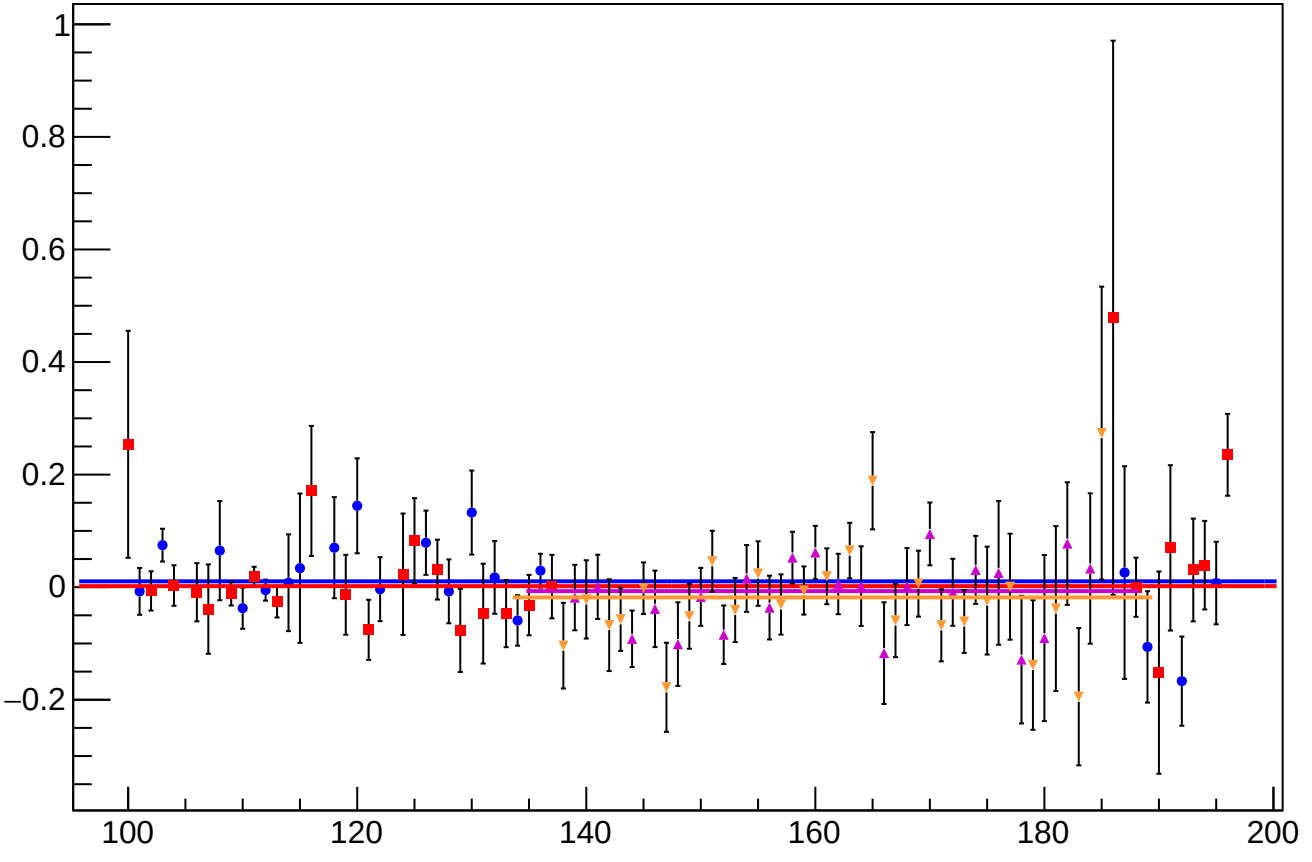
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.464+/-0.006 χ^2/NDF: 12461542.3/44

All: 35.145+/-0.004 χ^2/NDF: 29884263.4/93

- sign 33.193+/-0.005 χ^2/NDF: 17115723.6/48

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

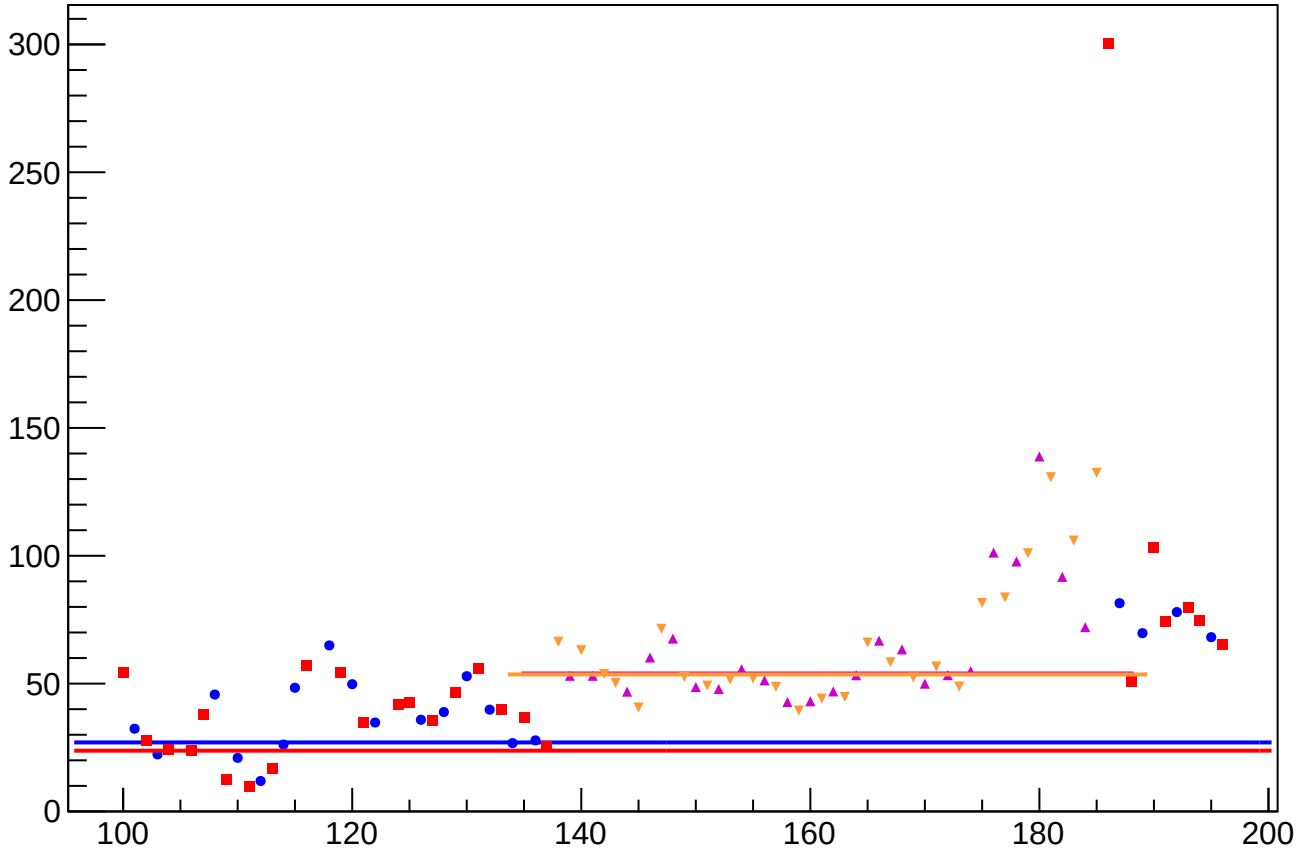
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.001+/-0.005 χ^2/NDF: 95.9/93

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.996+/-0.007 χ^2/NDF: 4588869.7/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

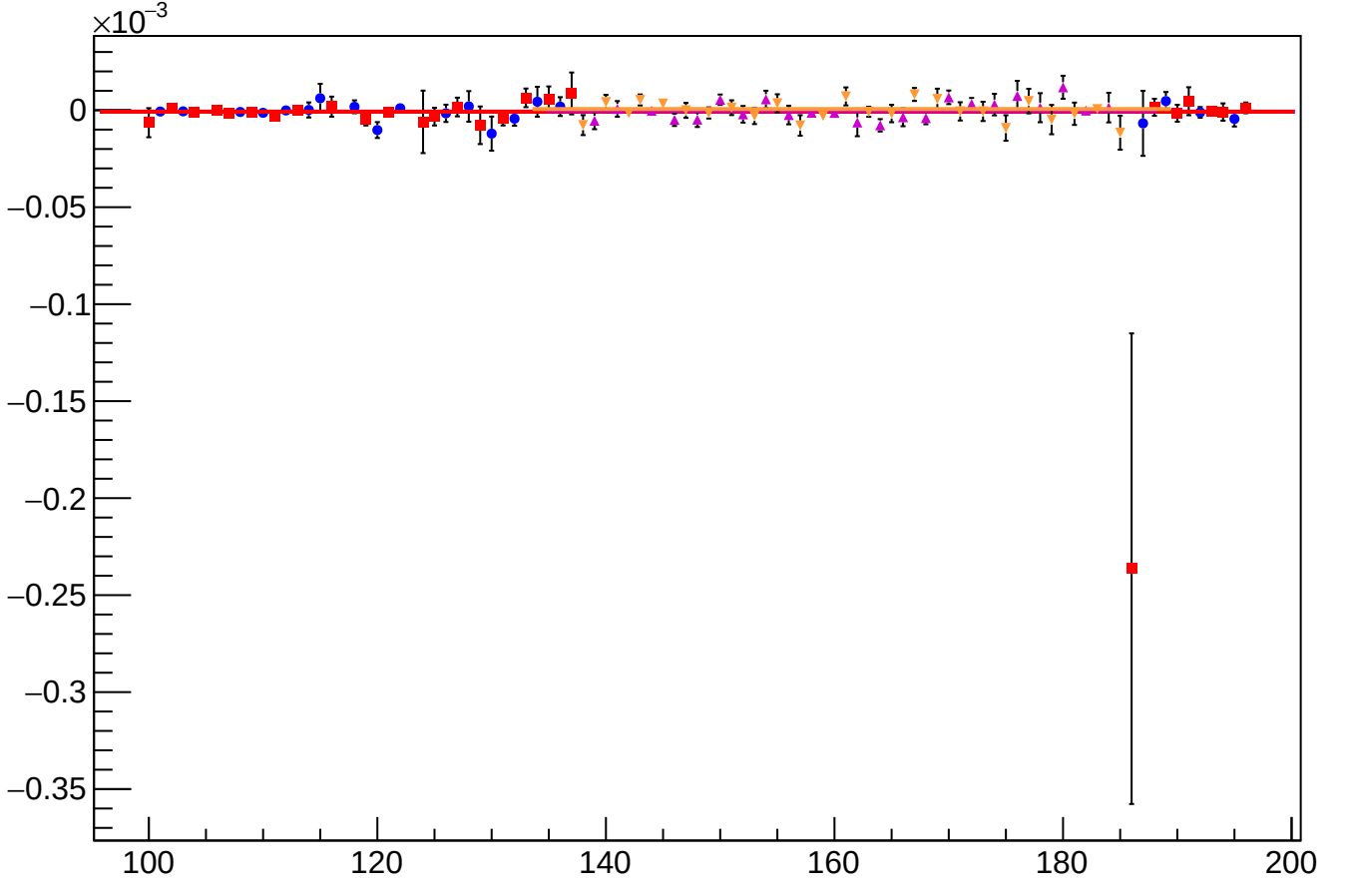
Right Out: 23.771+/-0.006 χ^2/NDF: 7871786.7/25

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.464+/-0.006 χ^2/NDF: 12461542.3/44

All: 35.145+/-0.004 χ^2/NDF: 29884263.4/93

- sign 33.193+/-0.005 χ^2/NDF: 17115723.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/25

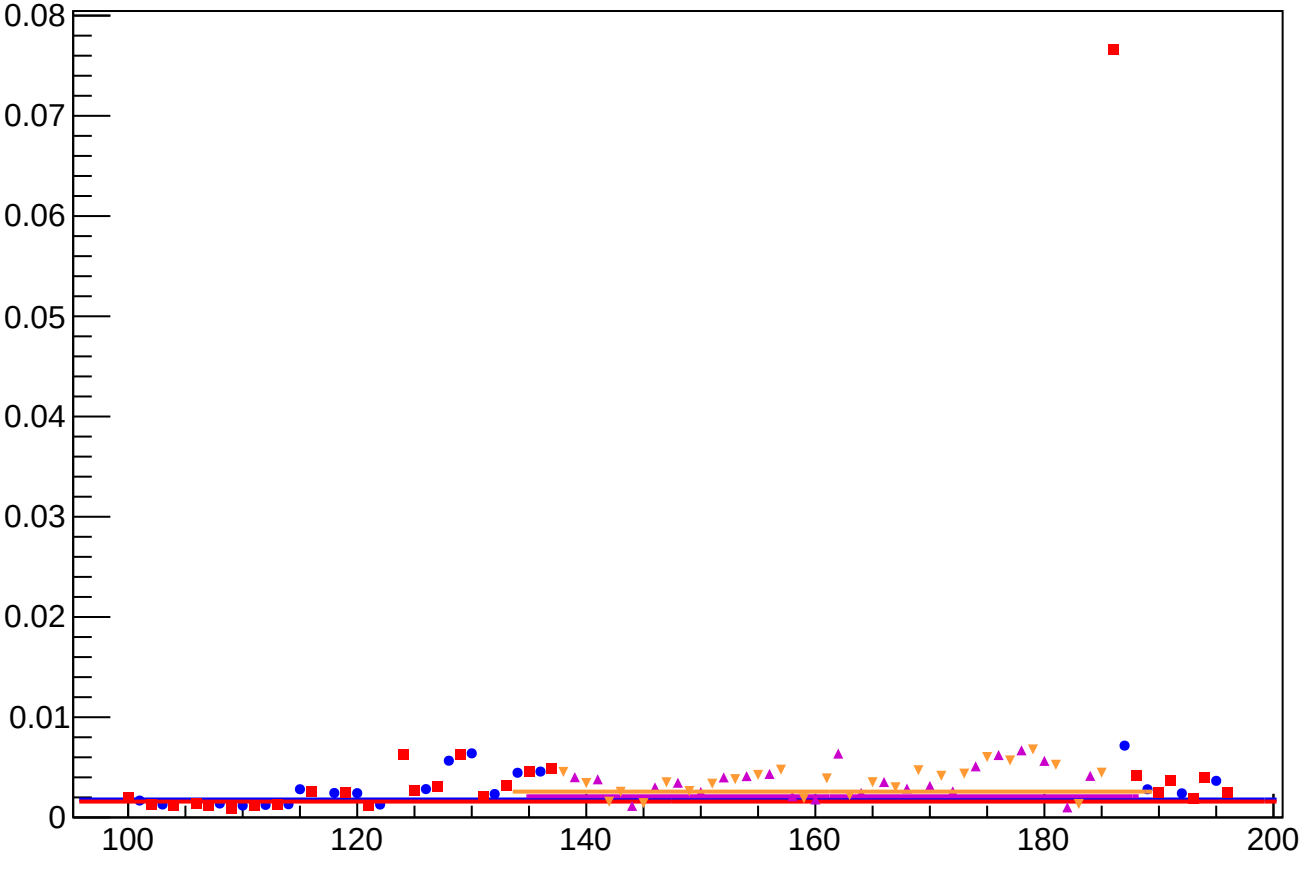
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/44

All: -0.000+/-0.000 χ^2/NDF: 95.7/93

- 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: 3860109.4/19

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5675299.5/25

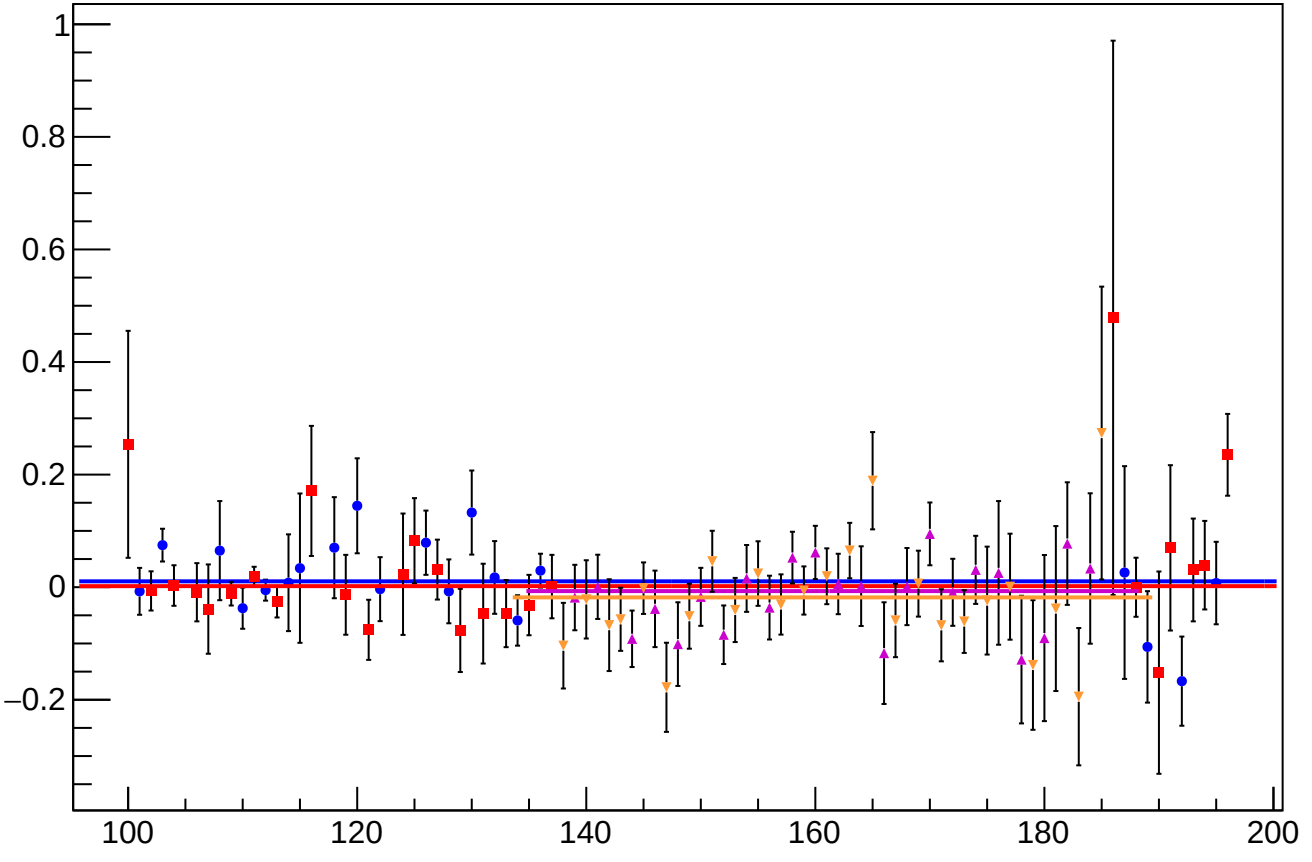
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12379000.8/44

All: 0.002+/-0.000 χ^2/NDF: 29093532.7/93

- sign 0.002+/-0.000 χ^2/NDF: 16049385.8/48

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

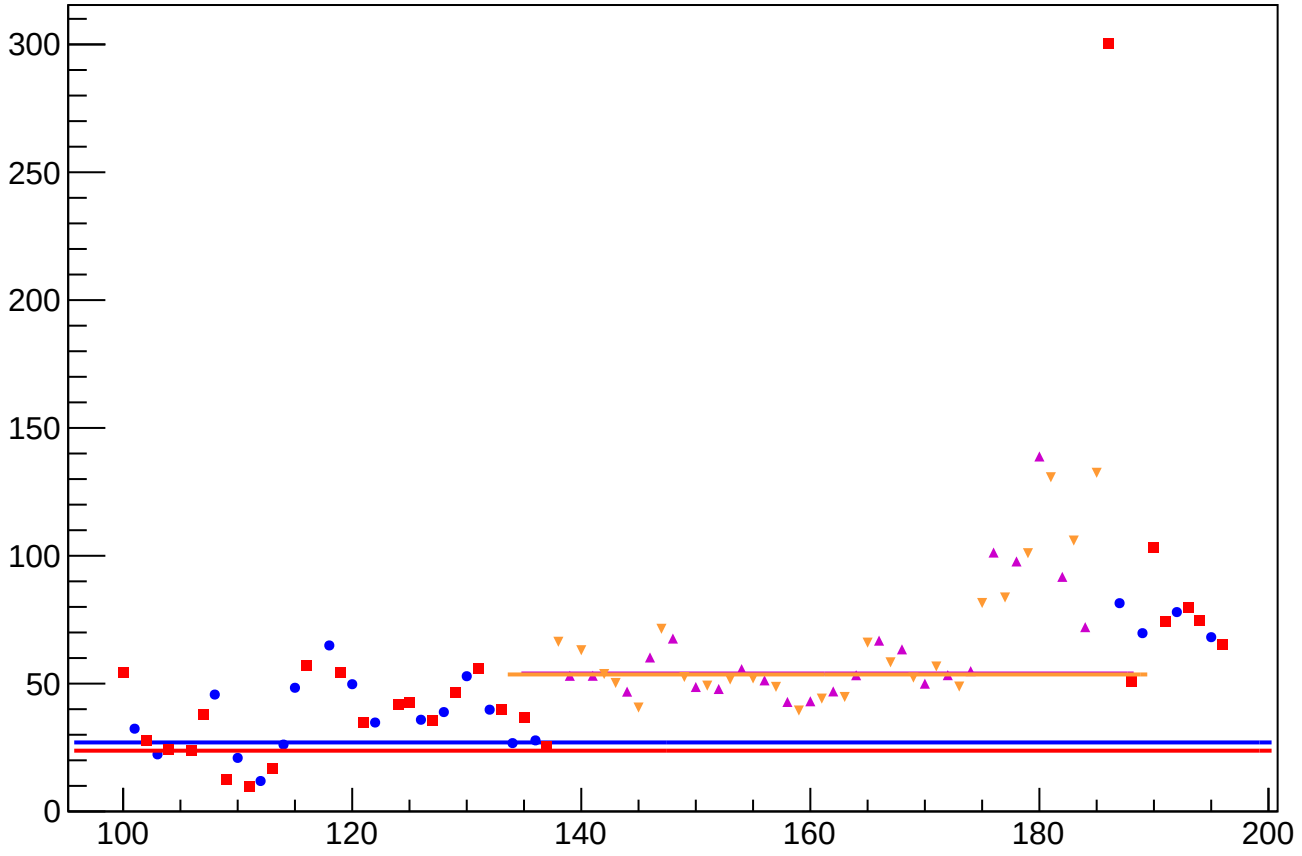
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.001+/-0.005 χ^2/NDF: 95.9/93

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.996+/-0.007 χ^2/NDF: 4588867.3/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

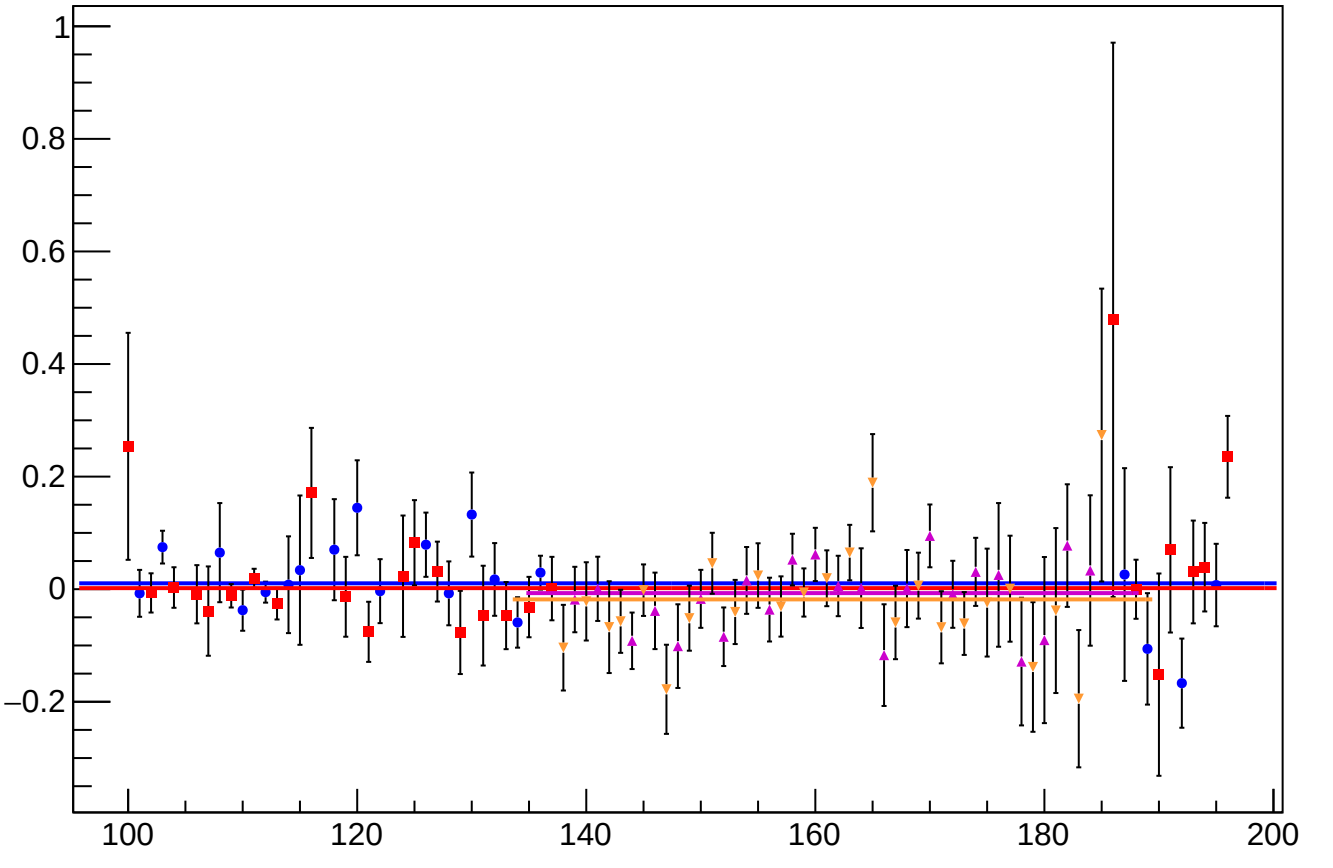
Right Out: 23.770+/-0.006 χ^2/NDF: 7871867.4/25

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.463+/-0.006 χ^2/NDF: 12461967.9/44

All: 35.145+/-0.004 χ^2/NDF: 29885305.1/93

- sign 33.192+/-0.005 χ^2/NDF: 17116314.1/48



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

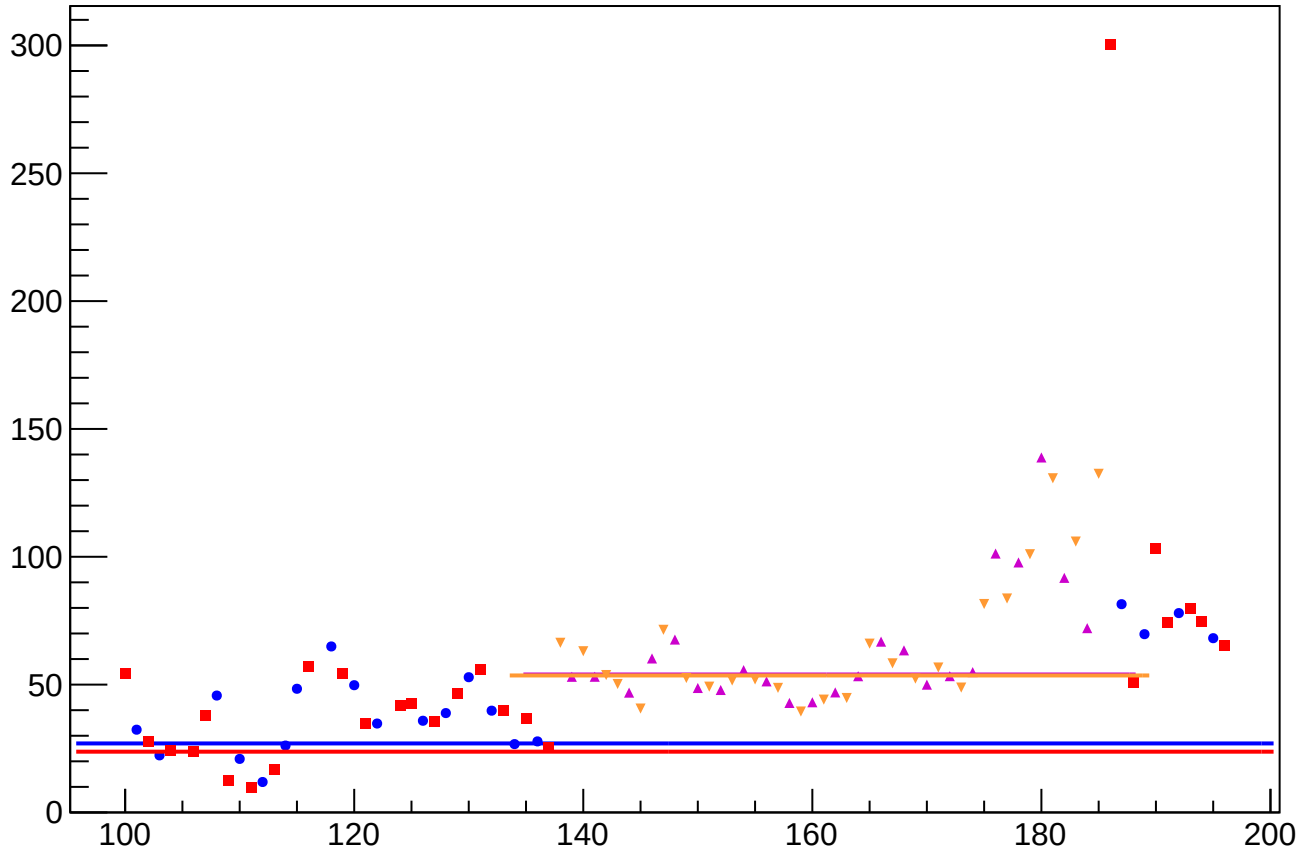
Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.001+/-0.005 χ^2/NDF: 95.9/93

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48



Right In: 26.996+/-0.007 χ^2/NDF: 4588867.3/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

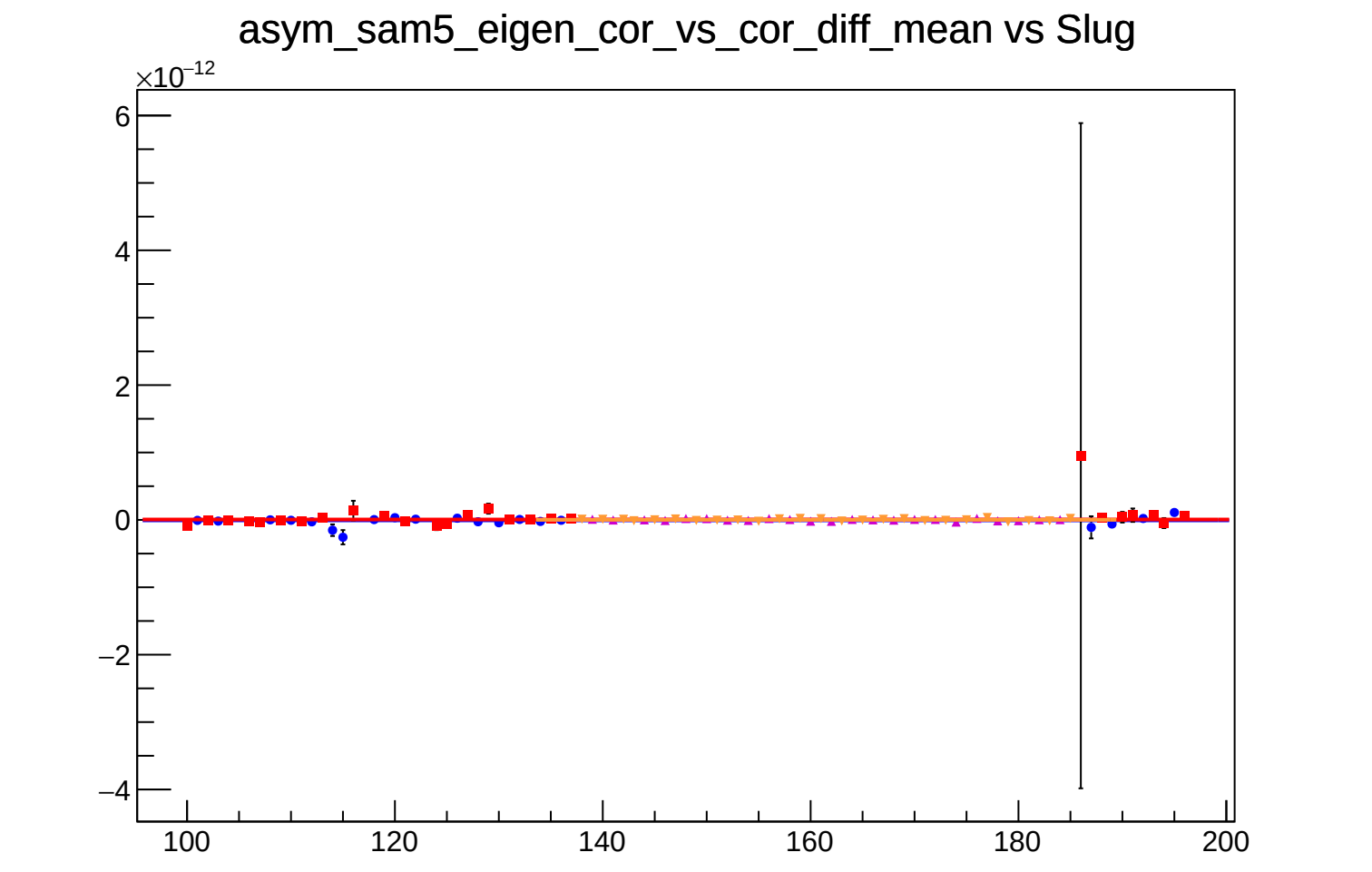
Right Out: 23.770+/-0.006 χ^2/NDF: 7871867.4/25

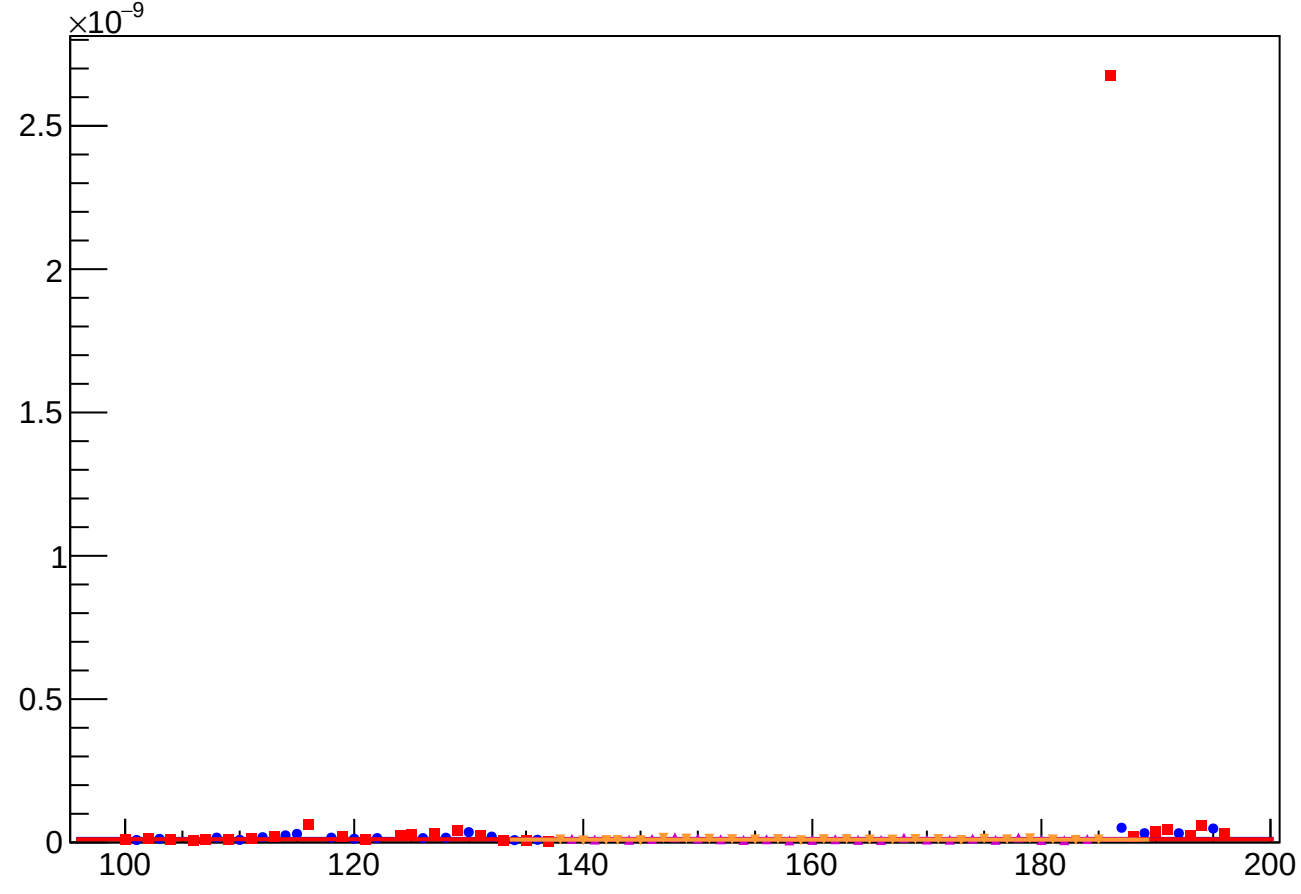
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.463+/-0.006 χ^2/NDF: 12461967.9/44

All: 35.145+/-0.004 χ^2/NDF: 29885305.1/93

- sign 33.192+/-0.005 χ^2/NDF: 17116314.1/48


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.8/19
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.6/25
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.1/44
All: 0.000+/-0.000 χ²/NDF: 101.9/93
- sign 0.000+/-0.000 χ²/NDF: 52.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2690855.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5482923.2/25

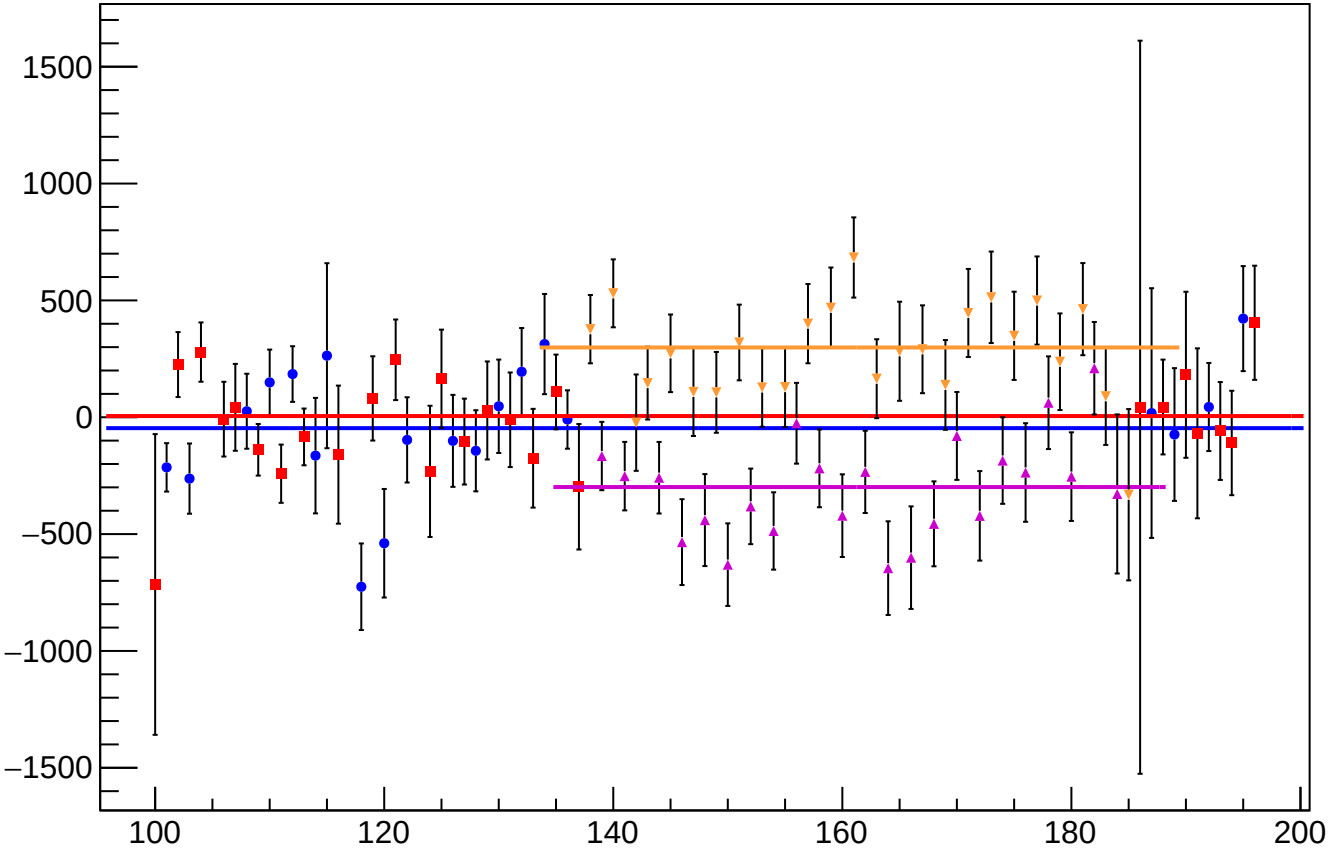
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4226231.6/44

All: 0.000+/-0.000 χ^2/NDF: 11079992.4/93

- sign 0.000+/-0.000 χ^2/NDF: 6852344.8/48

reg_asym_sam6_mean vs Slug



Right In: -46.597+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.118+/-36.232 χ^2/NDF: 24.5/25

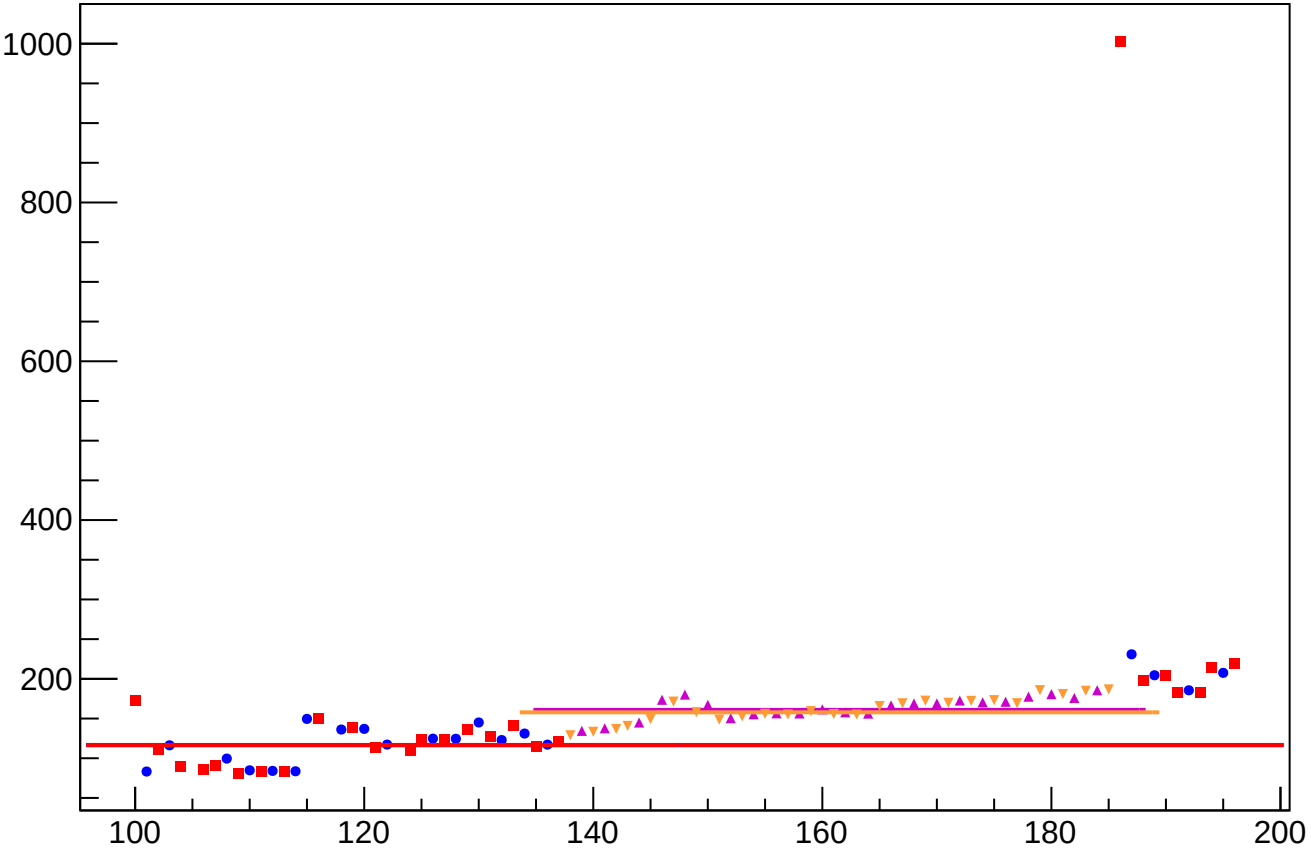
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 139.099+/-26.444 χ^2/NDF: 107.5/44

All: -2.431+/-18.588 χ^2/NDF: 251.8/93

- sign -140.640+/-26.132 χ^2/NDF: 87.7/48

reg_asym_sam6_rms vs Slug



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.727+/-0.026 χ^2/NDF: 2930780.0/25

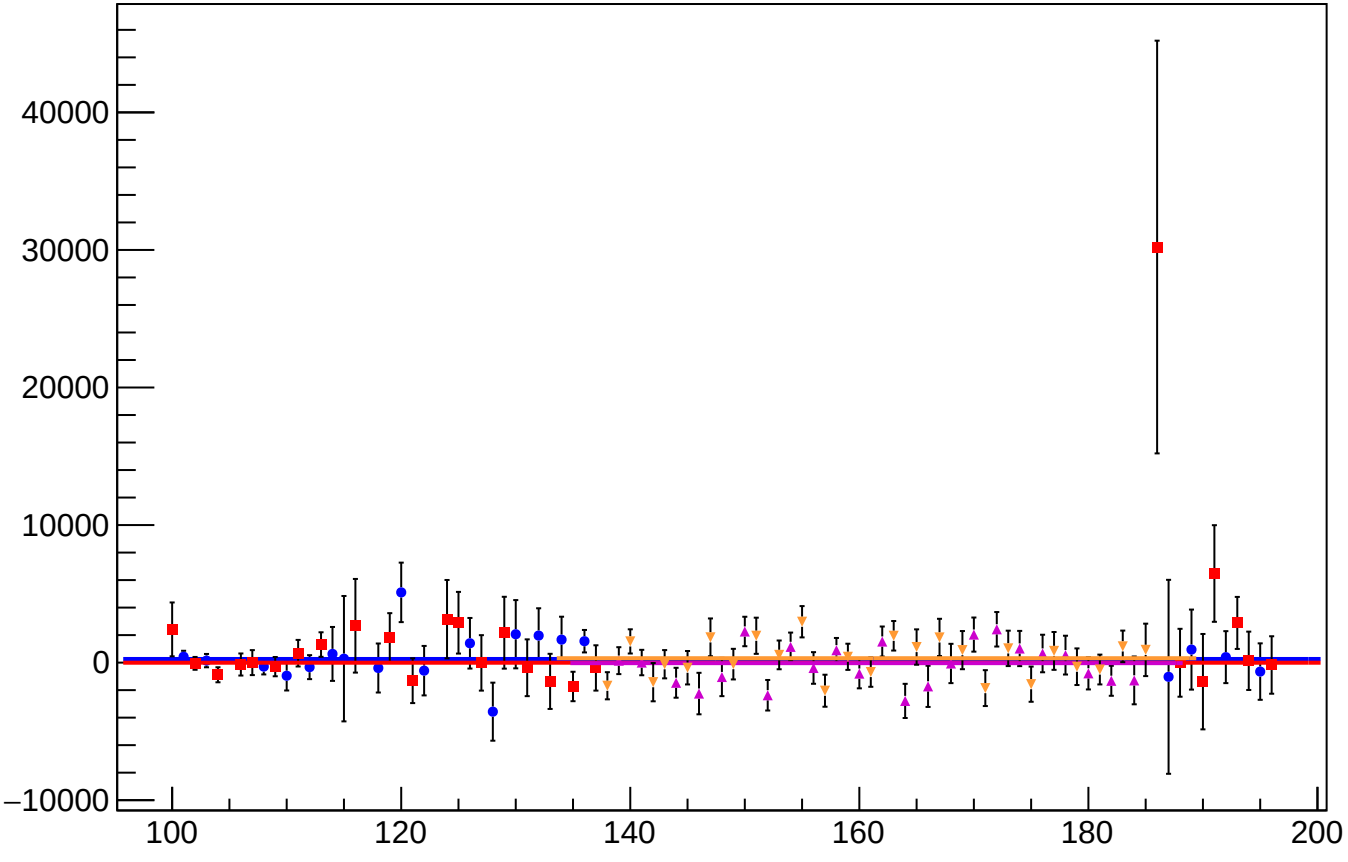
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 138.710+/-0.019 χ^2/NDF: 3103015.0/44

All: 138.304+/-0.013 χ^2/NDF: 7727749.3/93

- sign 137.908+/-0.018 χ^2/NDF: 4623804.1/48

asym_sam6_reg_correction_mean vs Slug



Right In: 264.817+/-226.740 χ^2/NDF: 16.8/19

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -7.504+/-225.772 χ^2/NDF: 26.1/25

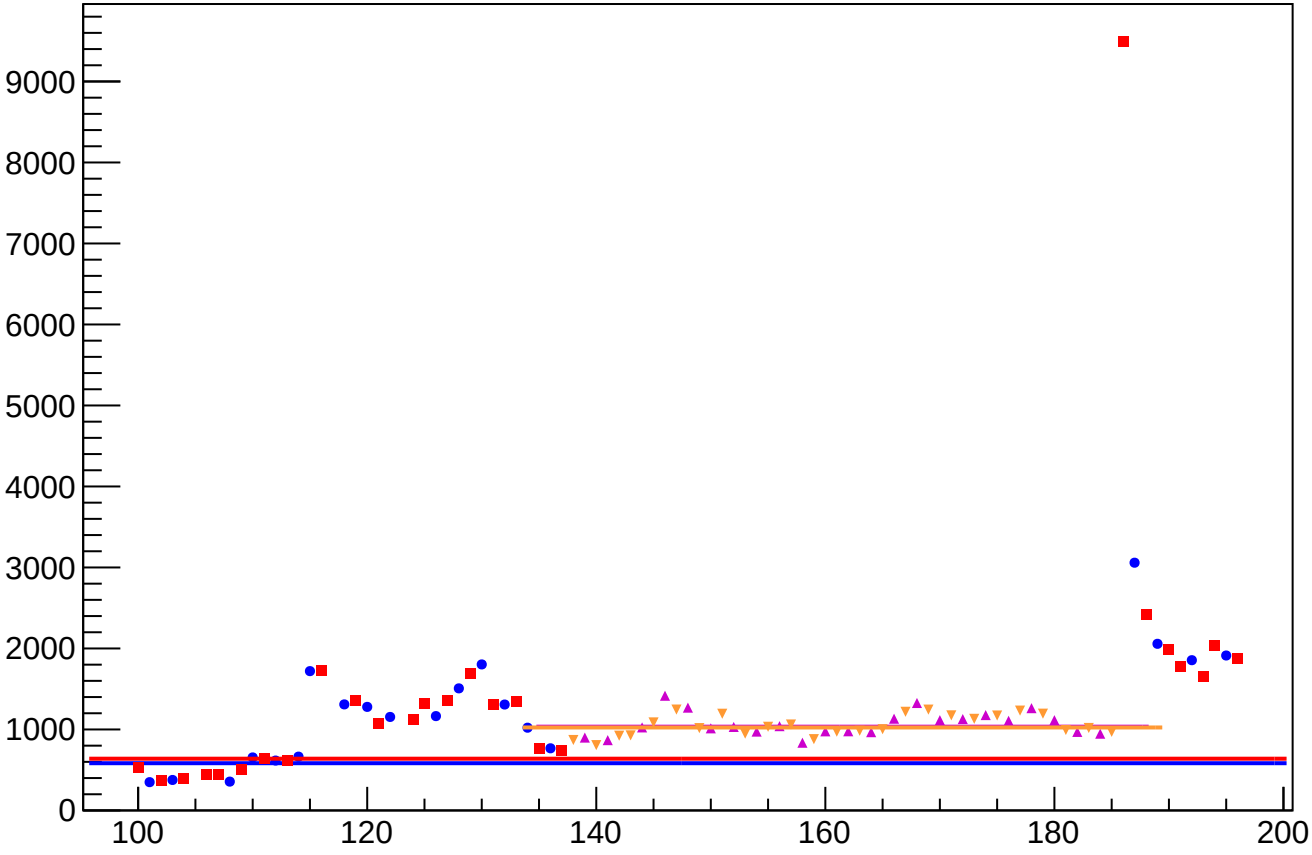
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 291.387+/-163.200 χ^2/NDF: 49.3/44

All: 137.080+/-116.295 χ^2/NDF: 112.0/93

- sign -22.113+/-165.764 χ^2/NDF: 60.9/48

asym_sam6_reg_correction_rms vs Slug



Right In: 583.357+/-0.160 χ^2/NDF: 6223916.7/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 639.030+/-0.160 χ^2/NDF: 7717664.4/25

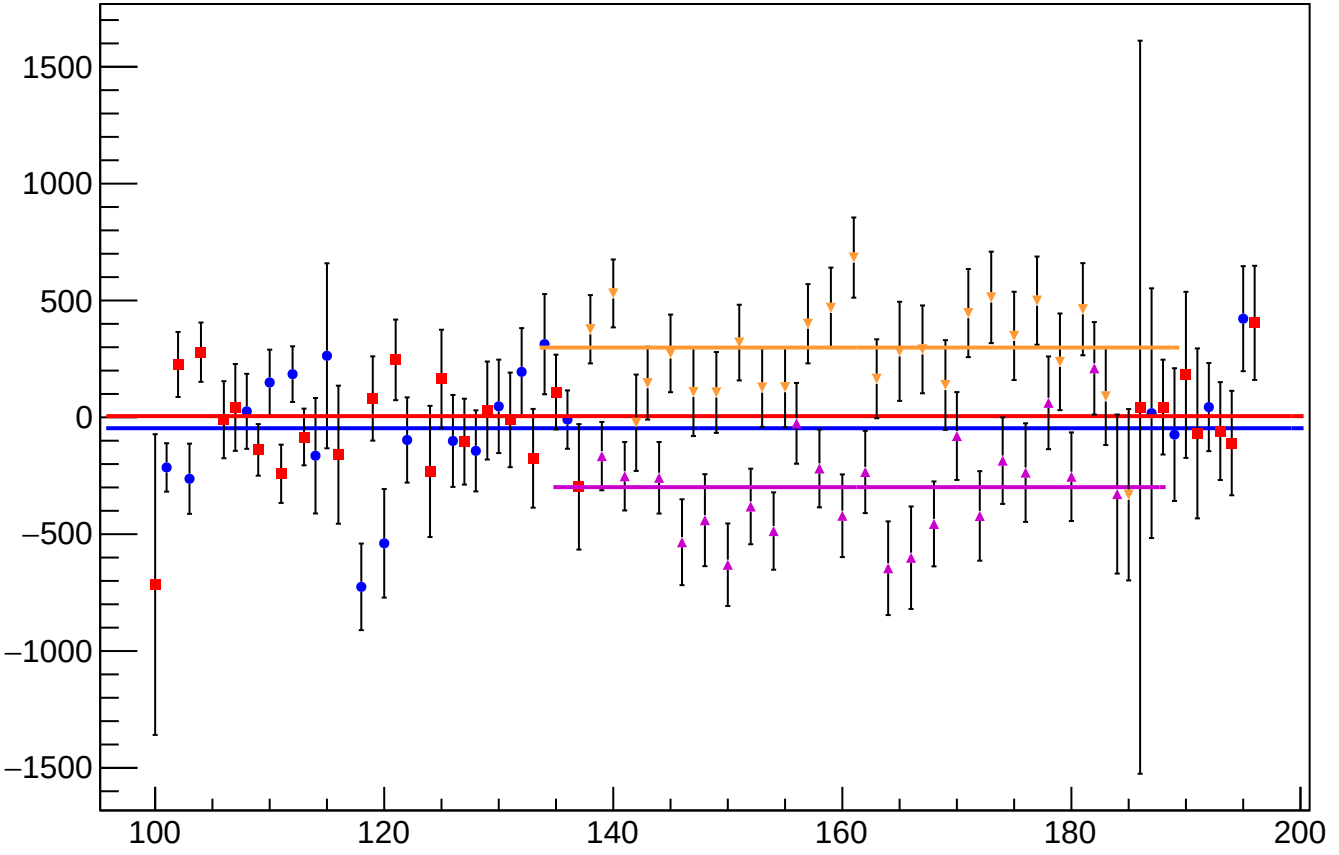
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 795.958+/-0.115 χ^2/NDF: 10470005.4/44

All: 808.423+/-0.082 χ^2/NDF: 21667344.2/93

- sign 821.284+/-0.117 χ^2/NDF: 11173632.0/48

cor_asym_sam6_mean vs Slug



Right In: -46.620+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.102+/-36.289 χ^2/NDF: 24.5/25

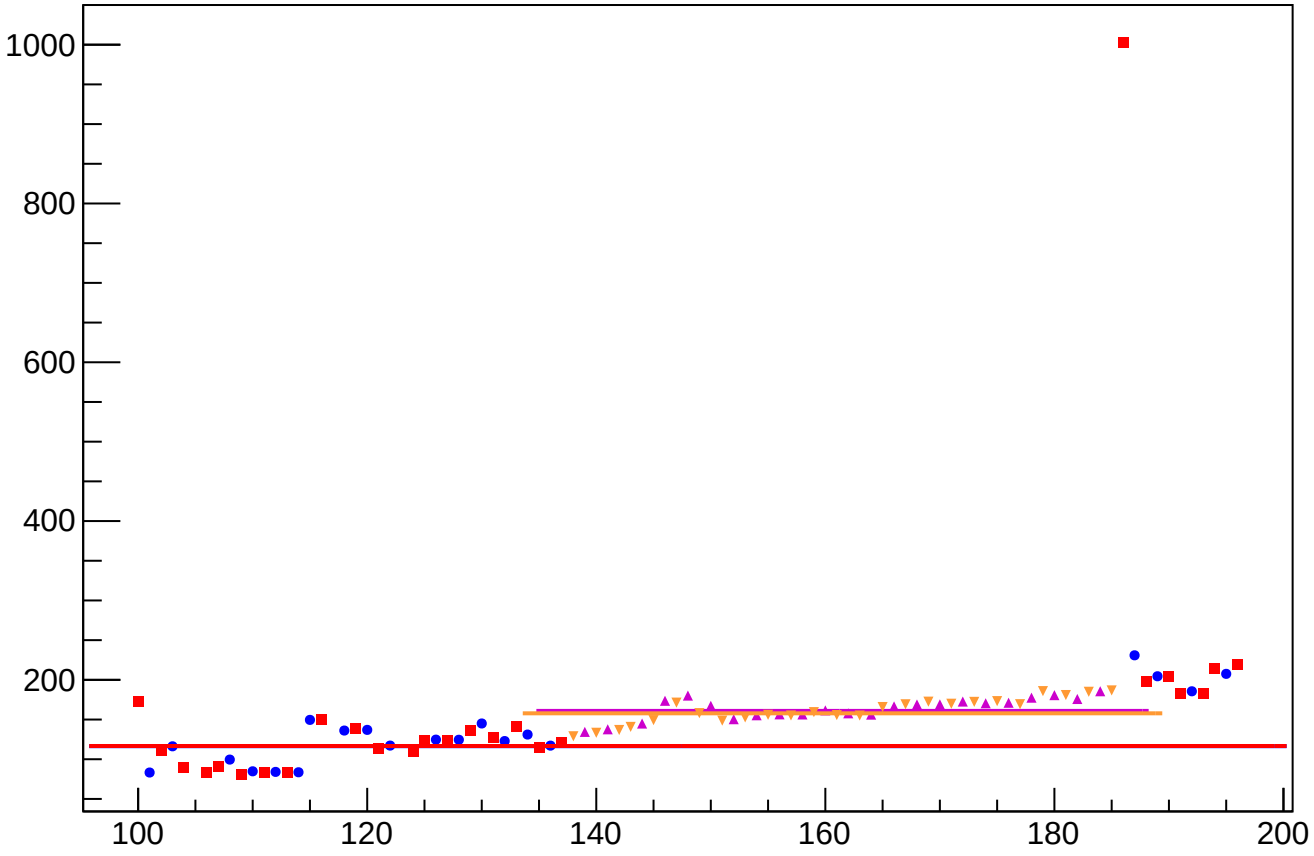
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.089+/-26.444 χ^2/NDF: 107.6/44

All: -2.448+/-18.595 χ^2/NDF: 251.9/93

- sign -140.890+/-26.154 χ^2/NDF: 87.6/48

cor_asym_sam6_rms vs Slug



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.671+/-0.026 χ^2/NDF: 2941265.2/25

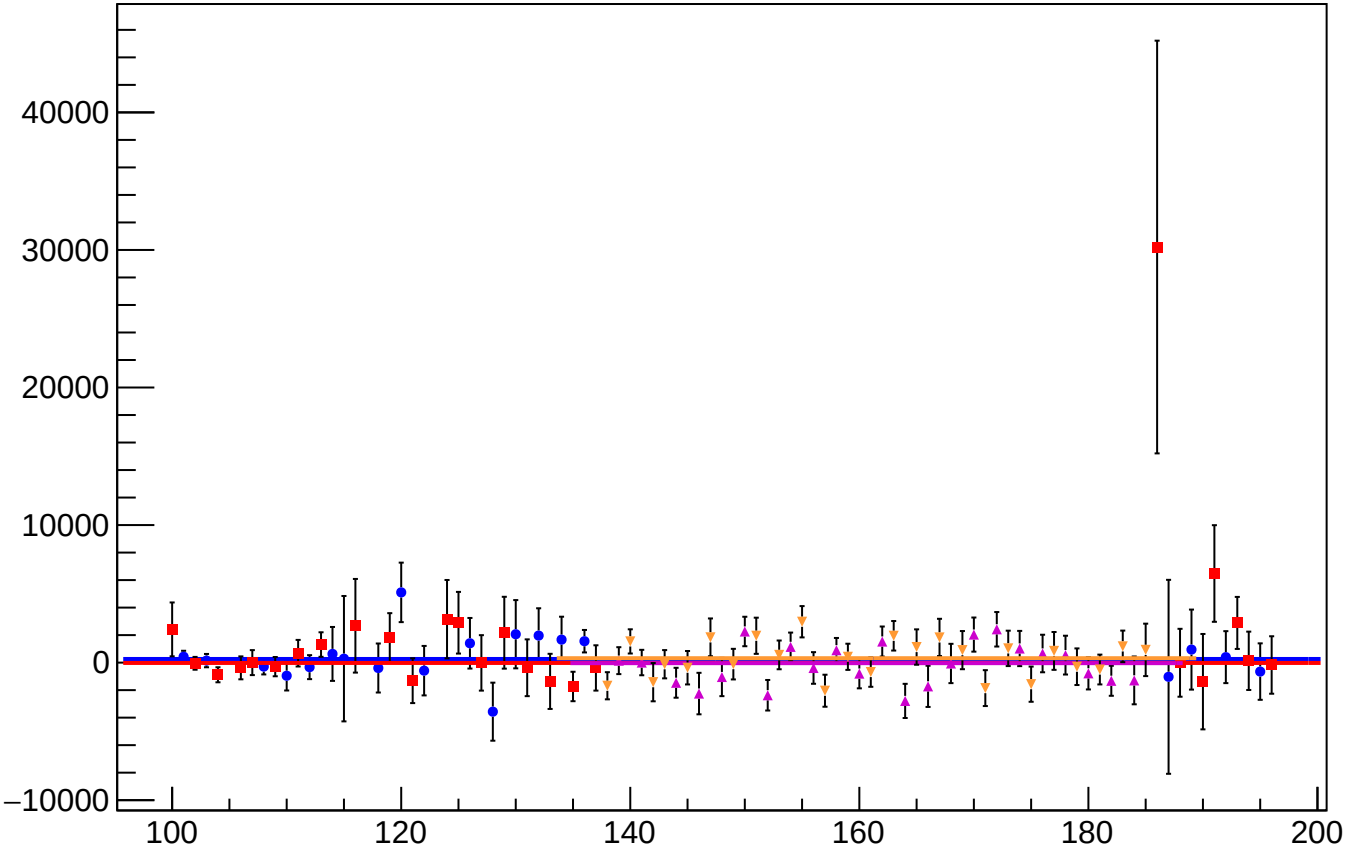
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 138.710+/-0.019 χ^2/NDF: 3103011.5/44

All: 138.308+/-0.013 χ^2/NDF: 7739685.9/93

- sign 137.914+/-0.018 χ^2/NDF: 4635757.5/48

asym_sam6_cor_correction_mean vs Slug



Right In: 264.954+/-226.733 χ^2/NDF: 16.8/19

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.917+/-226.348 χ^2/NDF: 26.3/25

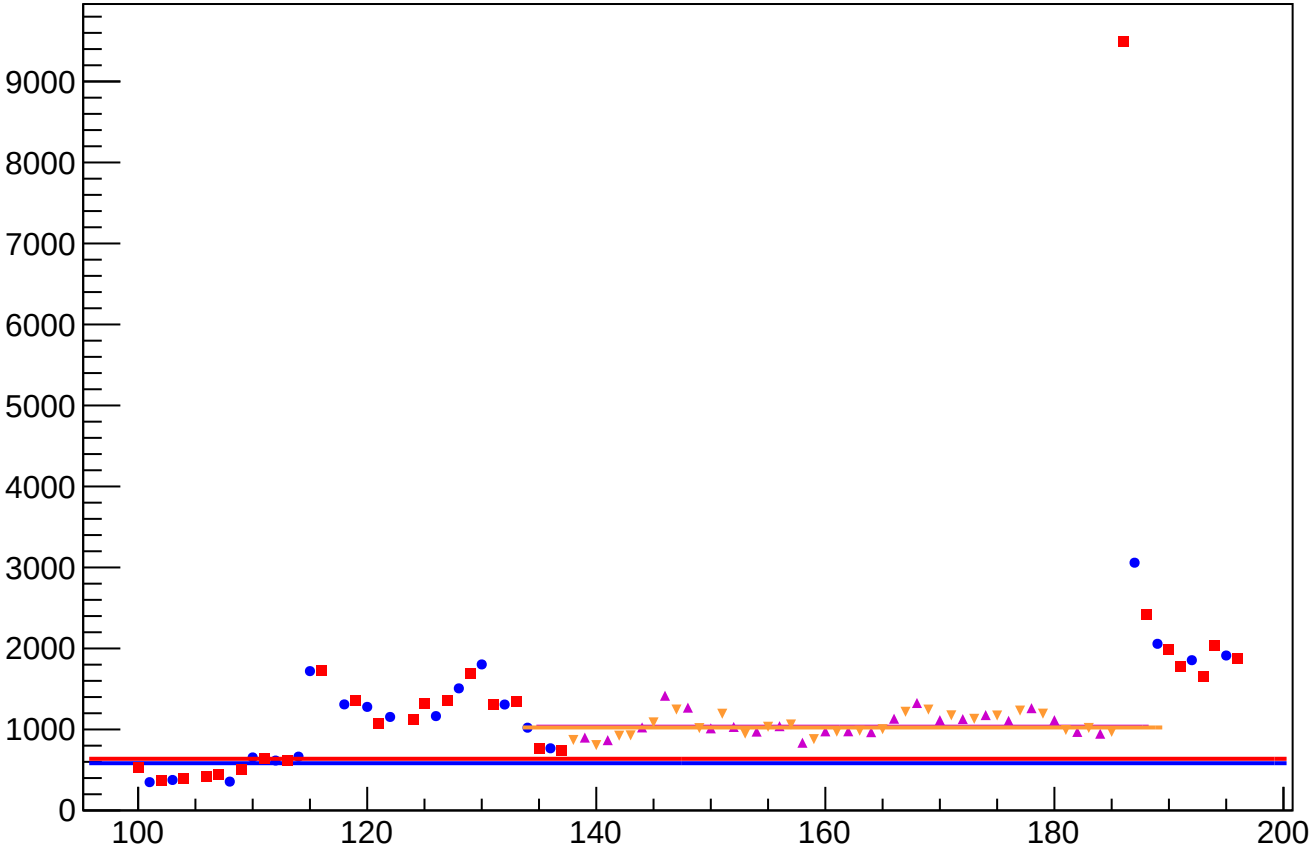
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 291.459+/-163.197 χ^2/NDF: 49.3/44

All: 132.976+/-116.373 χ^2/NDF: 112.3/93

- sign -30.980+/-165.991 χ^2/NDF: 61.0/48

asym_sam6_cor_correction_rms vs Slug



Right In: 583.334+/-0.160 χ^2/NDF: 6224198.9/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 637.930+/-0.160 χ^2/NDF: 7745139.1/25

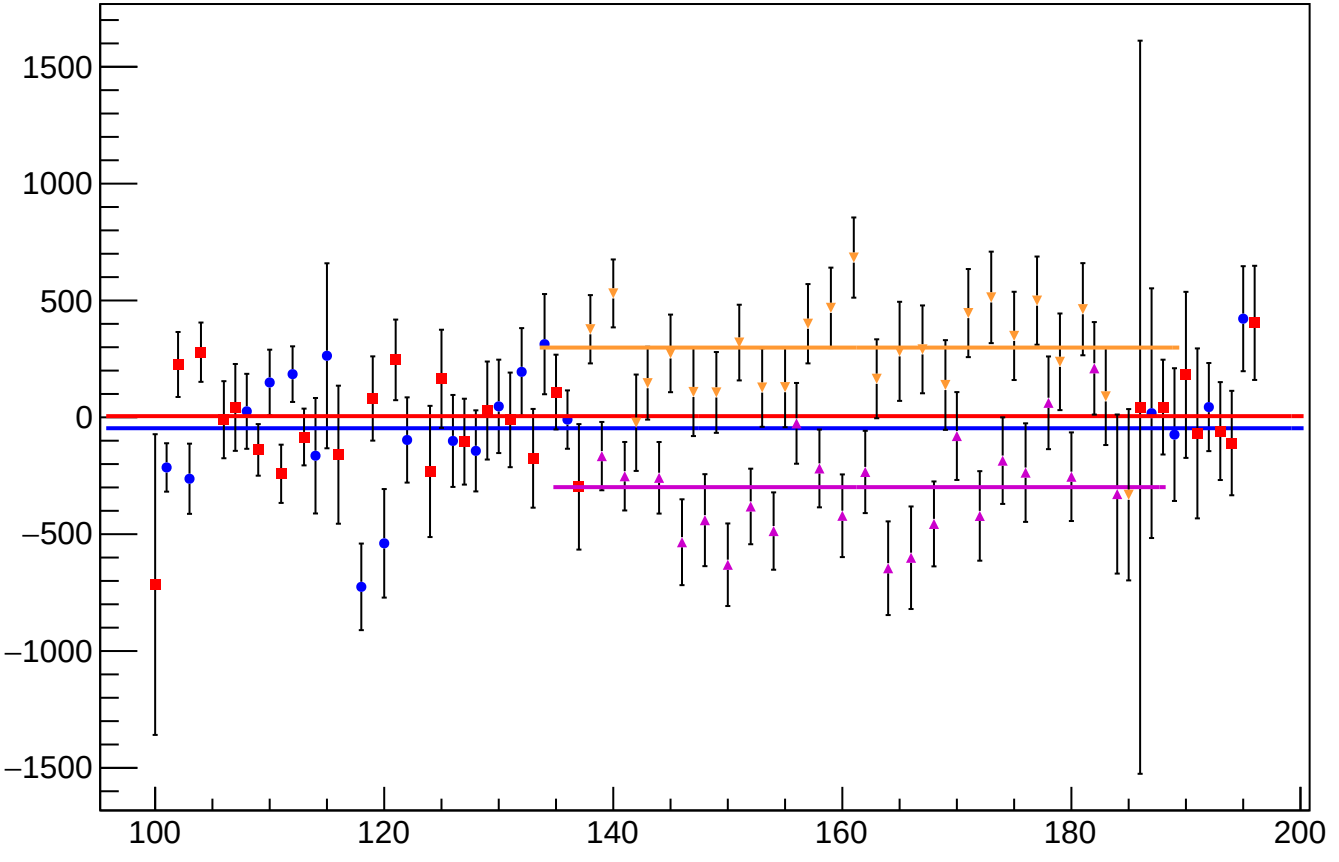
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 795.939+/-0.115 χ^2/NDF: 10470787.3/44

All: 808.352+/-0.082 χ^2/NDF: 21704504.4/93

- sign 821.193+/-0.117 χ^2/NDF: 11210176.8/48

eigen_cor_asym_sam6_mean vs Slug



Right In: -46.620+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.102+/-36.289 χ^2/NDF: 24.5/25

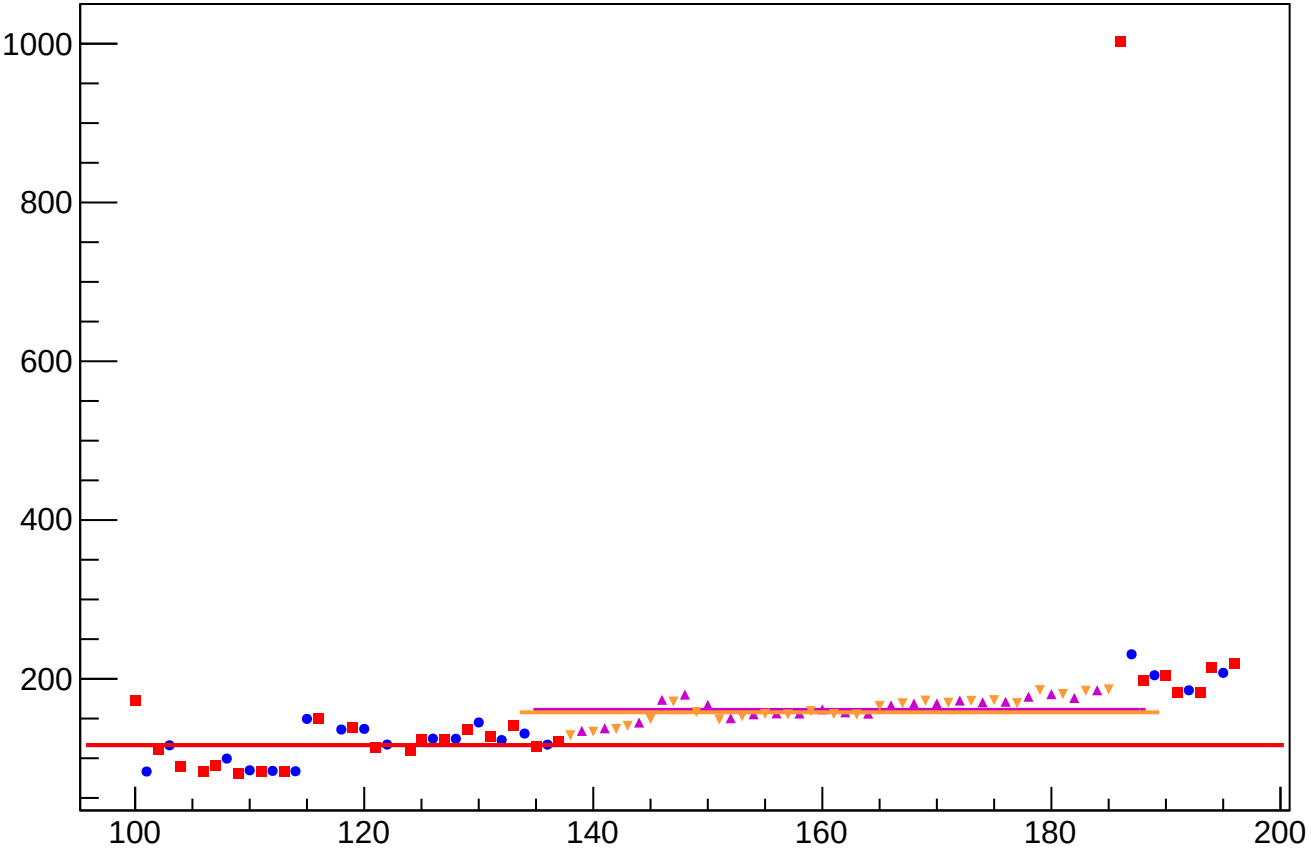
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.089+/-26.444 χ^2/NDF: 107.6/44

All: -2.448+/-18.595 χ^2/NDF: 251.9/93

- sign -140.890+/-26.154 χ^2/NDF: 87.6/48

eigen_cor_asym_sam6_rms vs Slug



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.671+/-0.026 χ^2/NDF: 2941265.2/25

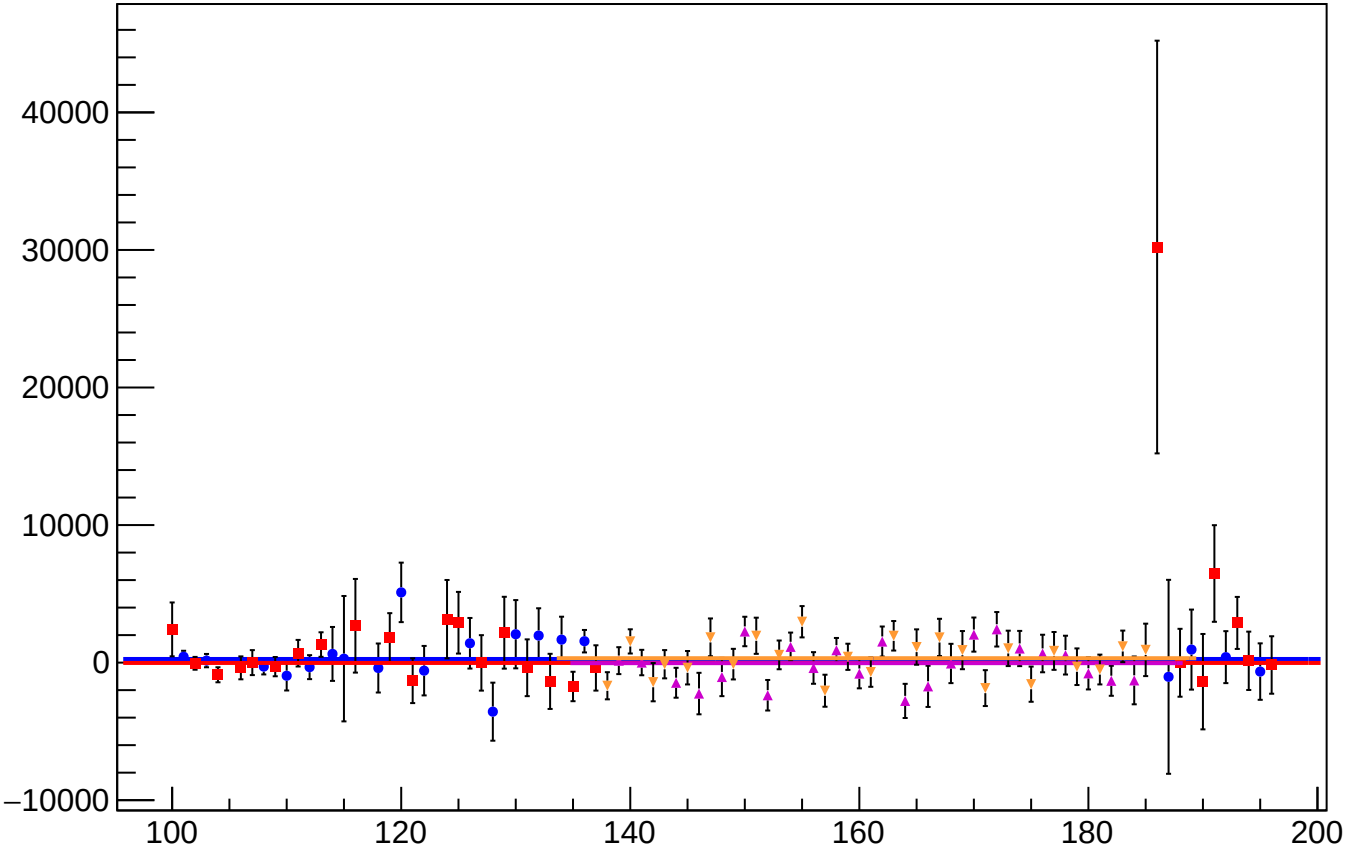
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 138.710+/-0.019 χ^2/NDF: 3103011.5/44

All: 138.308+/-0.013 χ^2/NDF: 7739685.9/93

- sign 137.914+/-0.018 χ^2/NDF: 4635757.5/48

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 264.954+/-226.733 χ^2/NDF: 16.8/19

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.917+/-226.348 χ^2/NDF: 26.3/25

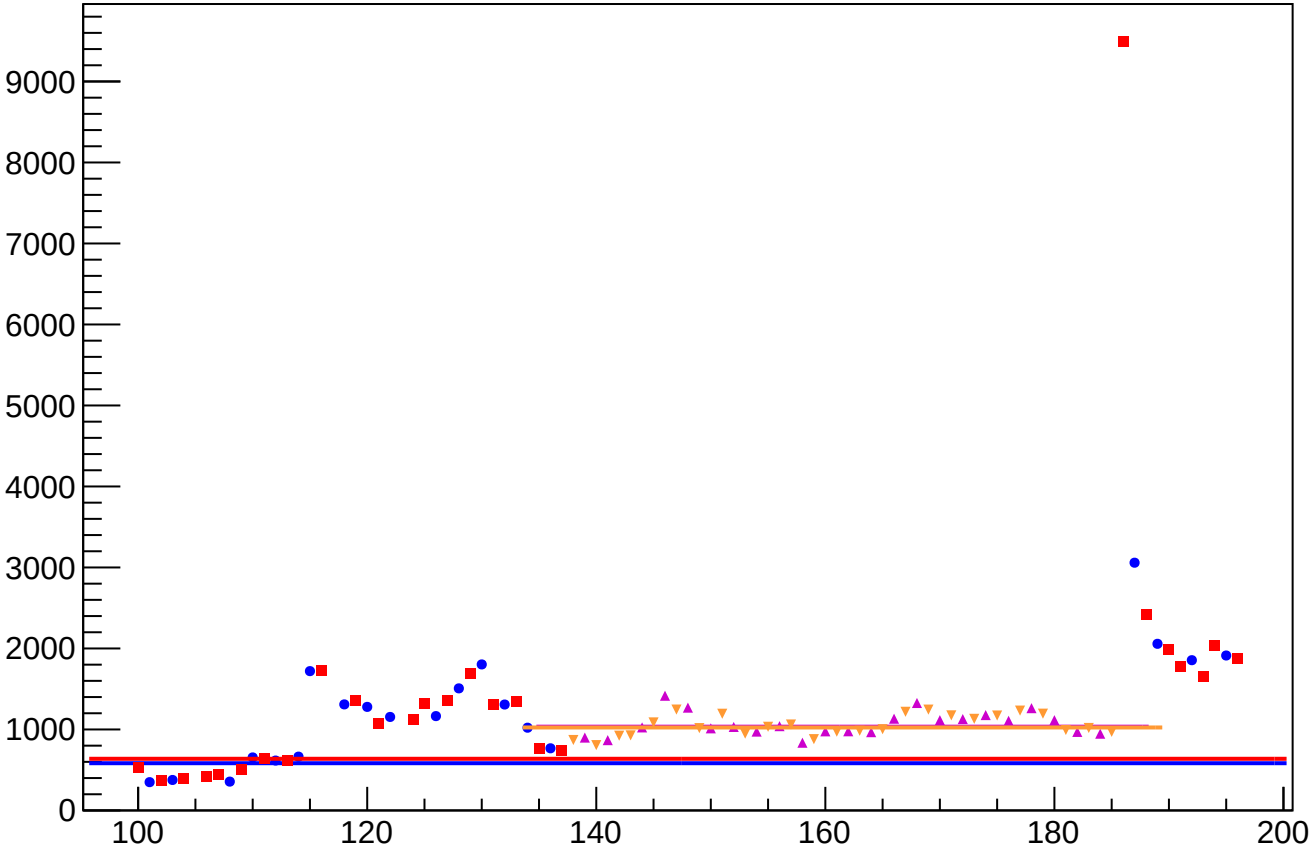
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 291.459+/-163.197 χ^2/NDF: 49.3/44

All: 132.976+/-116.373 χ^2/NDF: 112.3/93

- sign -30.980+/-165.991 χ^2/NDF: 61.0/48

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 583.334+/-0.160 χ^2/NDF: 6224198.9/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 637.930+/-0.160 χ^2/NDF: 7745139.1/25

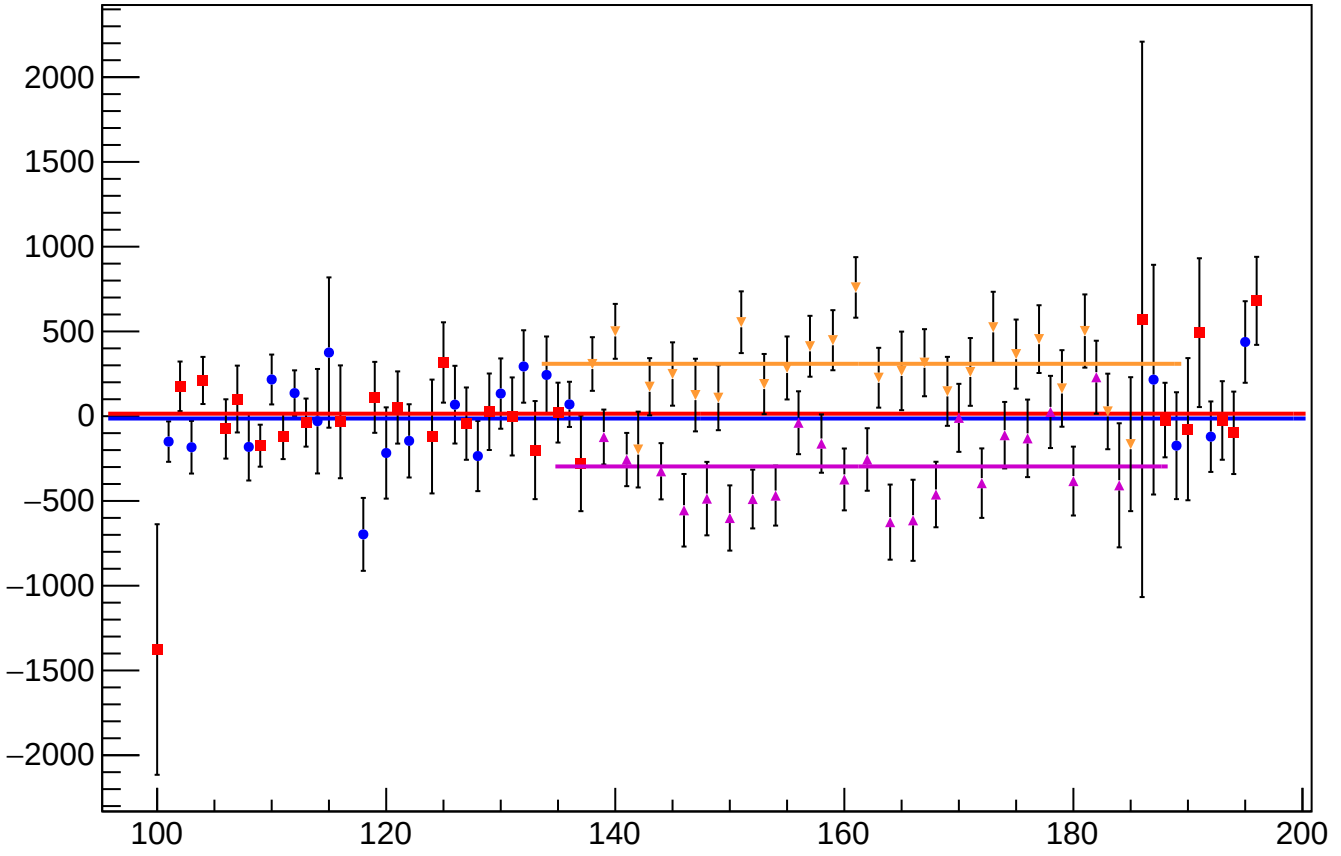
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 795.939+/-0.115 χ^2/NDF: 10470787.3/44

All: 808.352+/-0.082 χ^2/NDF: 21704504.4/93

- sign 821.193+/-0.117 χ^2/NDF: 11210176.8/48

dit_asym_sam6_mean vs Slug



Right In: -13.807+/-43.555 χ^2/NDF: 28.4/19

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.738+/-40.514 χ^2/NDF: 22.6/25

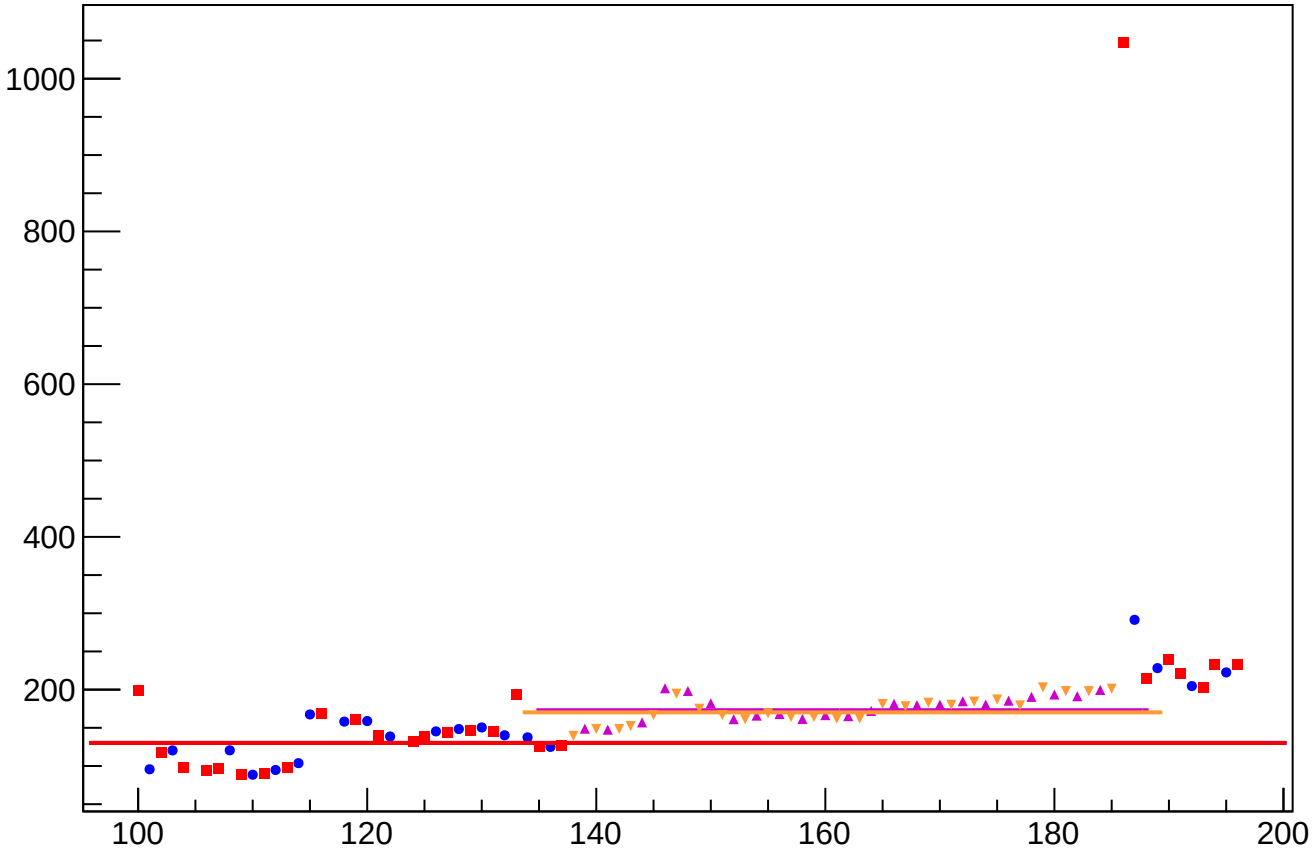
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 165.778+/-29.013 χ^2/NDF: 84.5/44

All: 10.859+/-20.397 χ^2/NDF: 220.8/93

- sign -140.523+/-28.680 χ^2/NDF: 79.9/48

dit_asym_sam6_rms vs Slug



Right In: 130.261+/-0.031 χ^2/NDF: 1477785.7/19

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 130.174+/-0.029 χ^2/NDF: 3013741.0/25

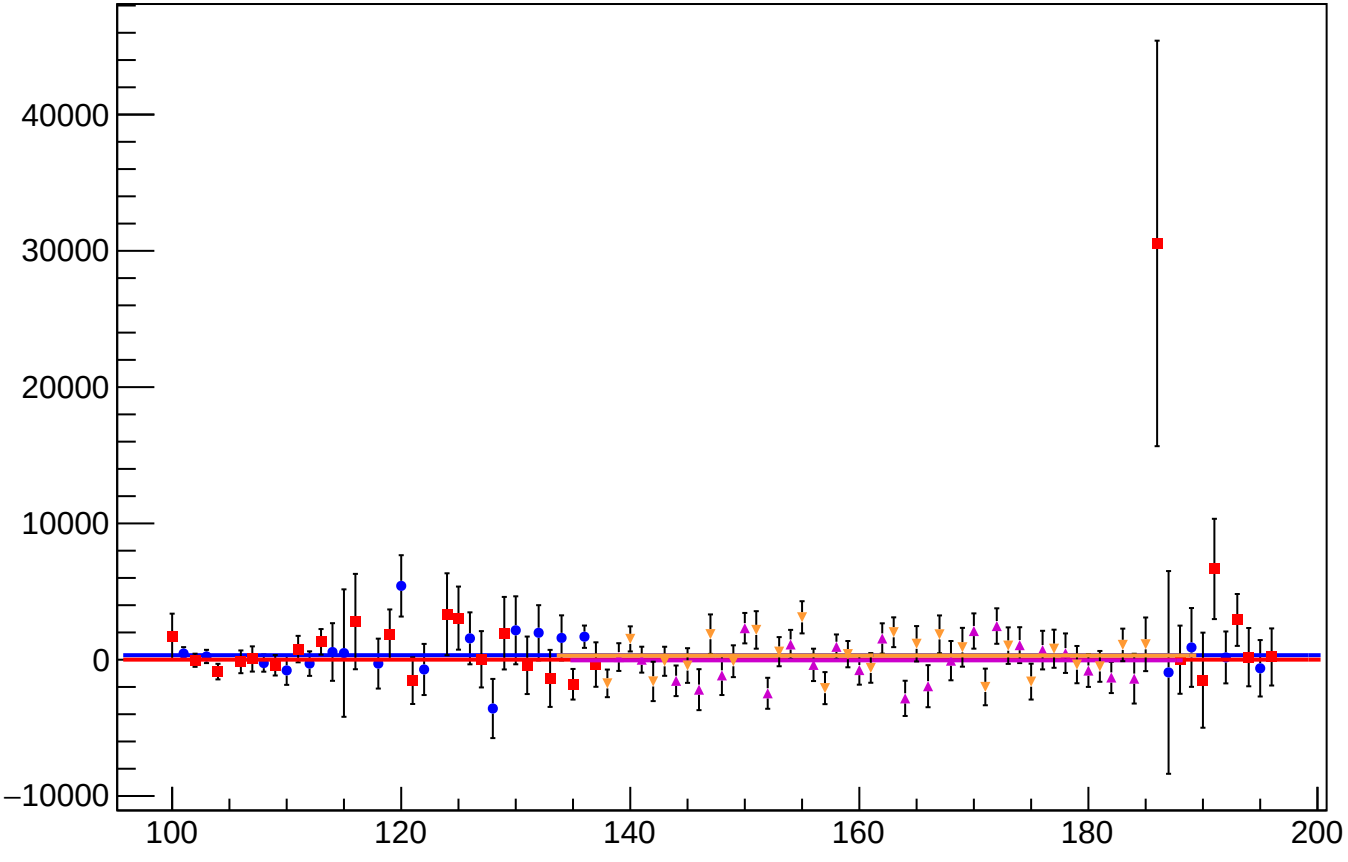
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 152.500+/-0.021 χ^2/NDF: 2781433.1/44

All: 152.020+/-0.014 χ^2/NDF: 7206030.9/93

- sign 151.550+/-0.020 χ^2/NDF: 4423512.1/48

asym_sam6_dit_correction_mean vs Slug



Right In: 331.363+/-237.100 χ^2/NDF: 16.5/19

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 5.135+/-233.540 χ^2/NDF: 25.4/25

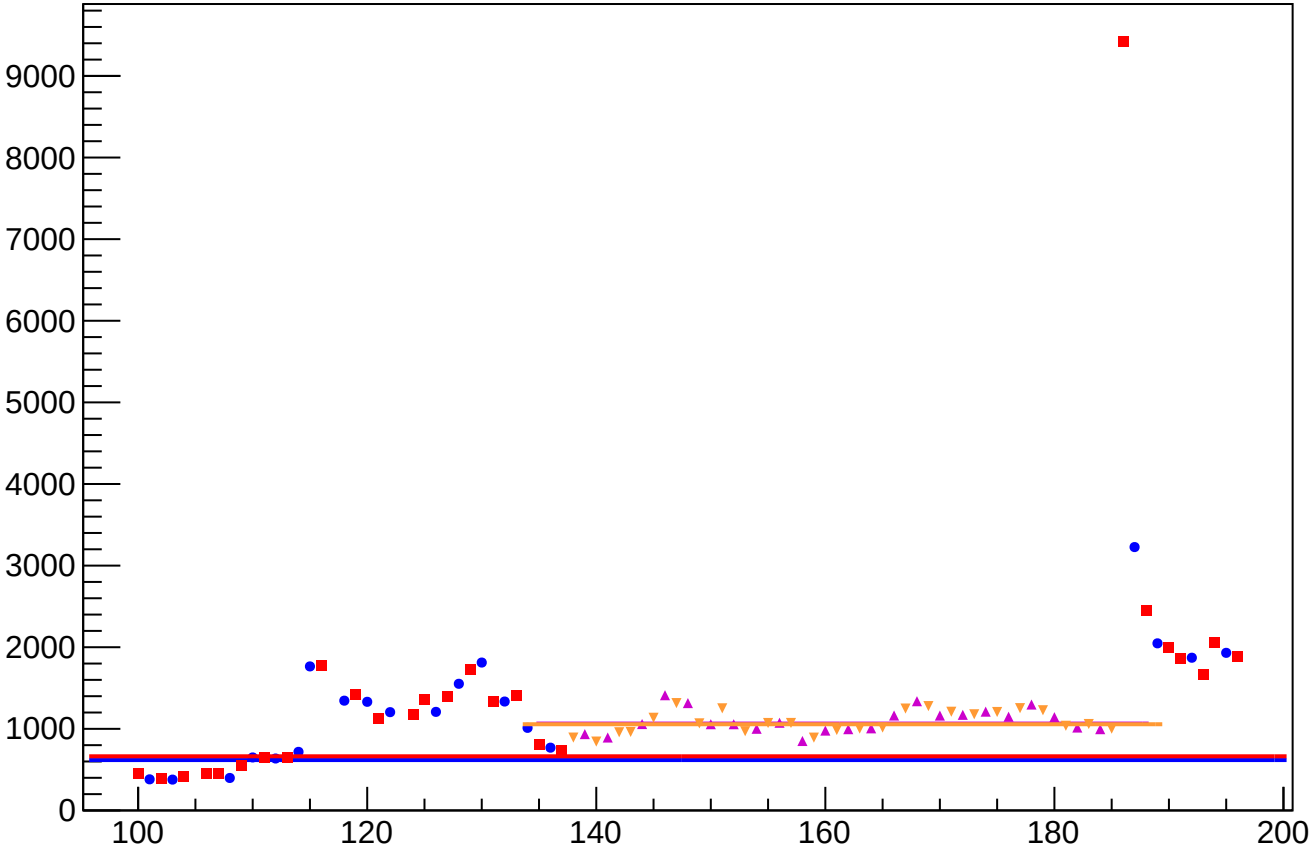
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.698+/-169.499 χ^2/NDF: 49.4/44

All: 153.344+/-120.401 χ^2/NDF: 111.3/93

- sign -19.137+/-171.057 χ^2/NDF: 59.8/48

asym_sam6_dit_correction_rms vs Slug



Right In: 617.388+/-0.168 χ^2/NDF: 5929082.9/19

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

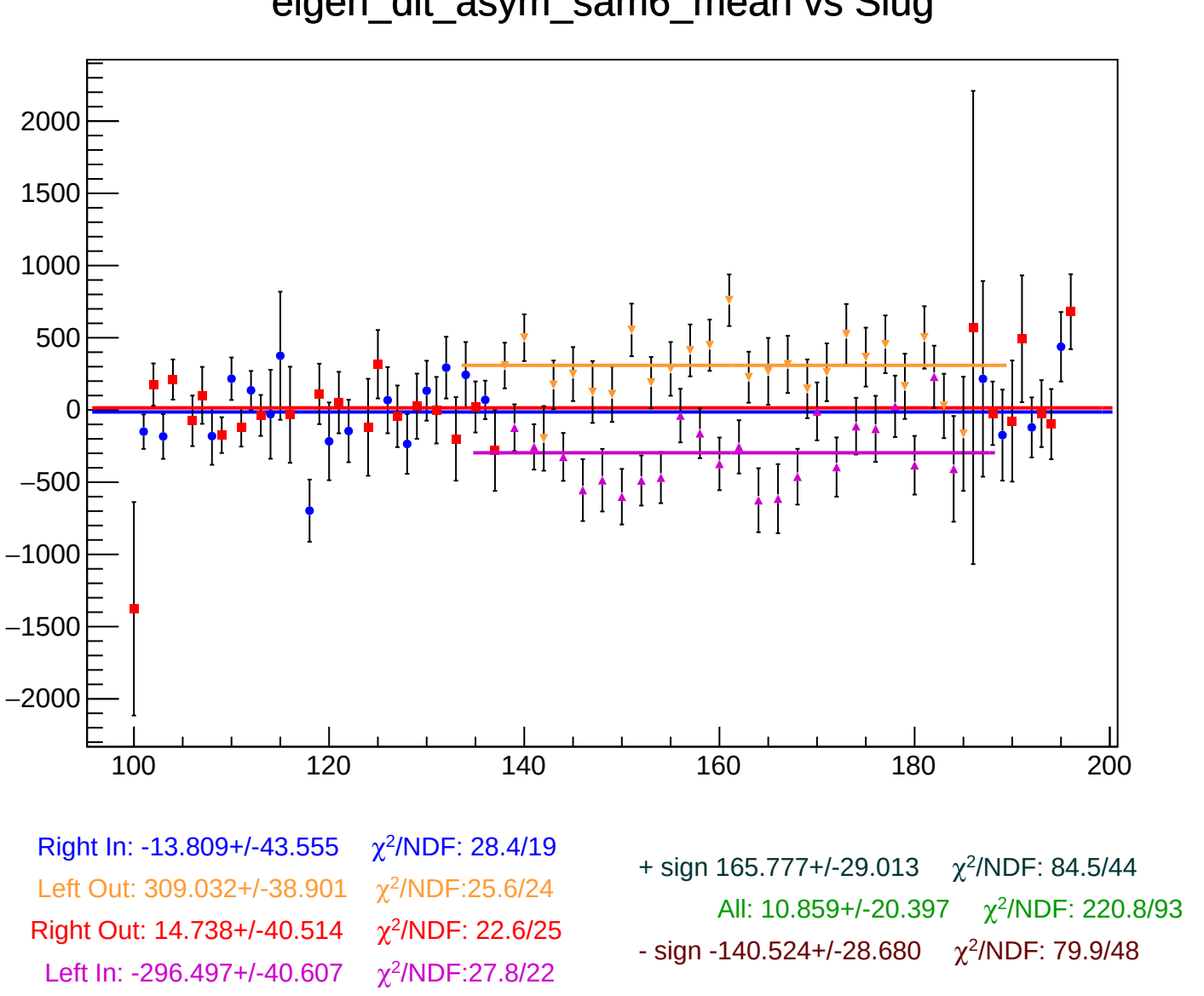
Right Out: 663.682+/-0.165 χ^2/NDF: 7620560.8/25

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

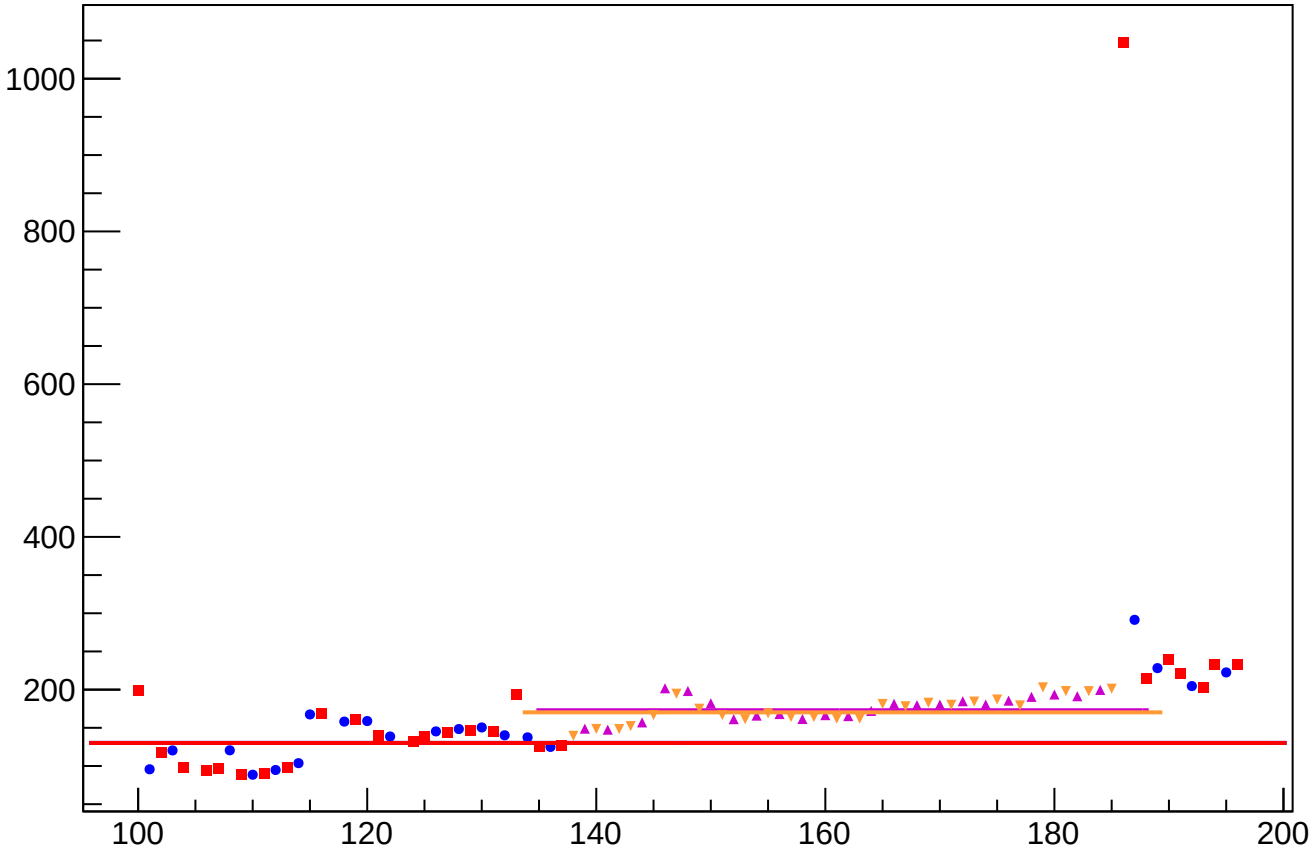
+ sign 832.006+/-0.120 χ^2/NDF: 9891261.9/44

All: 840.700+/-0.085 χ^2/NDF: 20866749.4/93

- sign 849.555+/-0.121 χ^2/NDF: 10964865.1/48


eigen_dit_asym_sam6_mean vs Slug
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: -13.809+/-43.555 χ²/NDF: 28.4/19
Left Out: 309.032+/-38.901 χ²/NDF:25.6/24
Right Out: 14.738+/-40.514 χ²/NDF: 22.6/25
Left In: -296.497+/-40.607 χ²/NDF:27.8/22
+ sign 165.777+/-29.013 χ²/NDF: 84.5/44
All: 10.859+/-20.397 χ²/NDF: 220.8/93
- sign -140.524+/-28.680 χ²/NDF: 79.9/48

eigen_dit_asym_sam6_rms vs Slug



Right In: 130.261+/-0.031 χ^2/NDF: 1477793.3/19

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 130.174+/-0.029 χ^2/NDF: 3013740.7/25

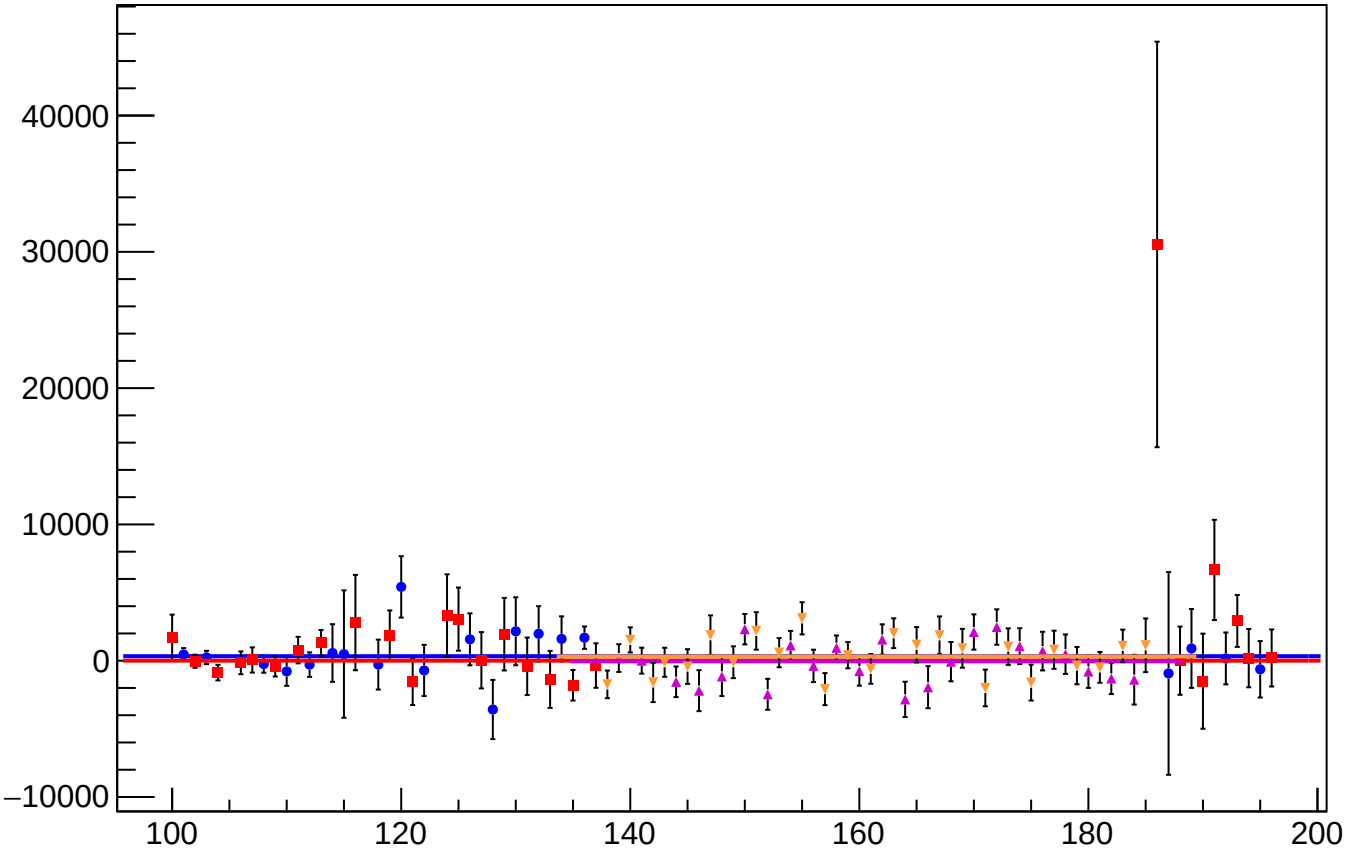
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 152.500+/-0.021 χ^2/NDF: 2781447.7/44

All: 152.019+/-0.014 χ^2/NDF: 7206051.2/93

- sign 151.550+/-0.020 χ^2/NDF: 4423517.7/48

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 331.362+/-237.100 χ^2/NDF: 16.5/19

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 5.134+/-233.540 χ^2/NDF: 25.4/25

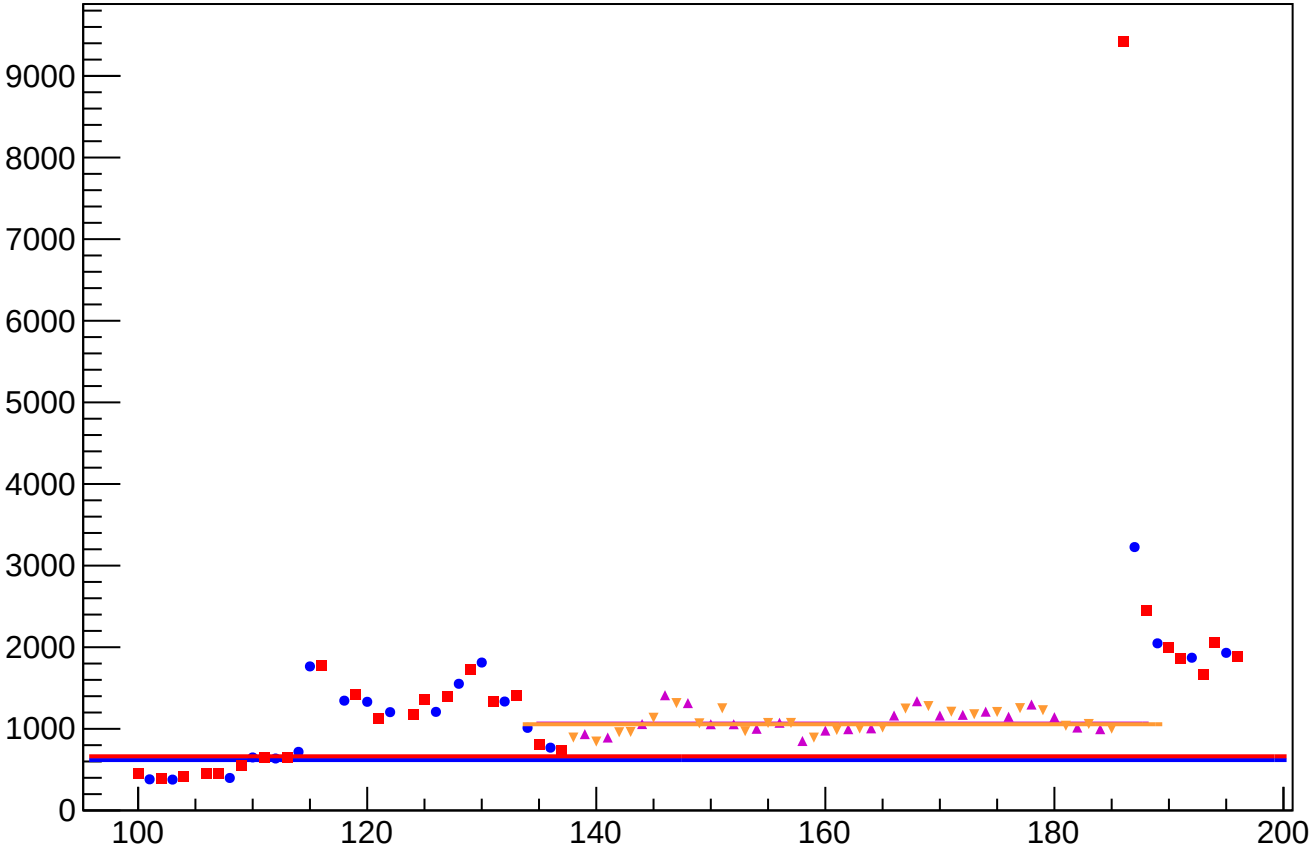
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.698+/-169.499 χ^2/NDF: 49.4/44

All: 153.344+/-120.401 χ^2/NDF: 111.3/93

- sign -19.138+/-171.057 χ^2/NDF: 59.8/48

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 617.387+/-0.168 χ^2/NDF: 5929089.8/19

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 663.681+/-0.165 χ^2/NDF: 7620563.9/25

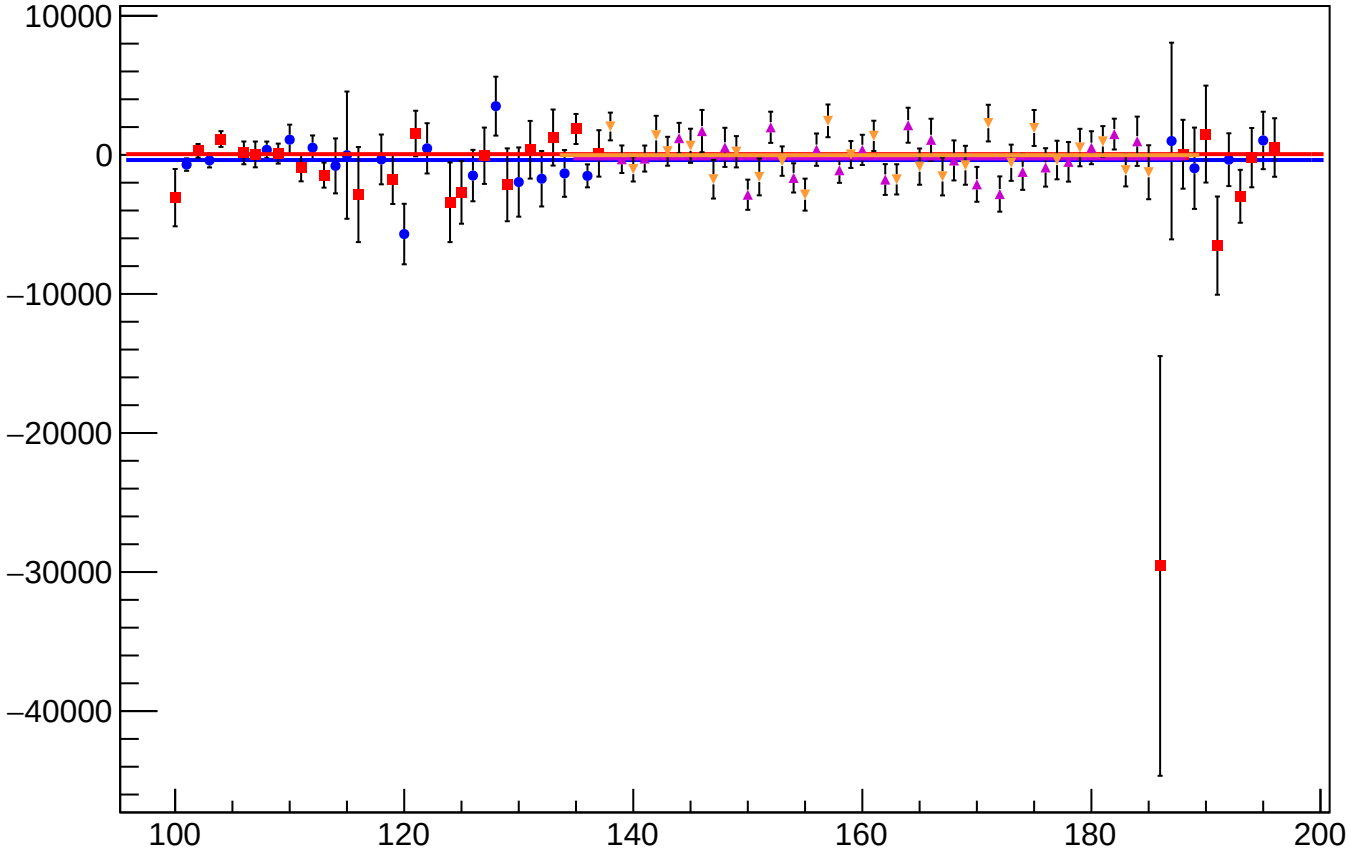
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 832.005+/-0.120 χ^2/NDF: 9891292.2/44

All: 840.700+/-0.085 χ^2/NDF: 20866796.1/93

- sign 849.555+/-0.121 χ^2/NDF: 10964881.4/48

asym_sam6_mean vs Slug



Right In: -369.869+/-233.294 χ^2/NDF: 18.5/19

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 53.421+/-231.433 χ^2/NDF: 29.6/25

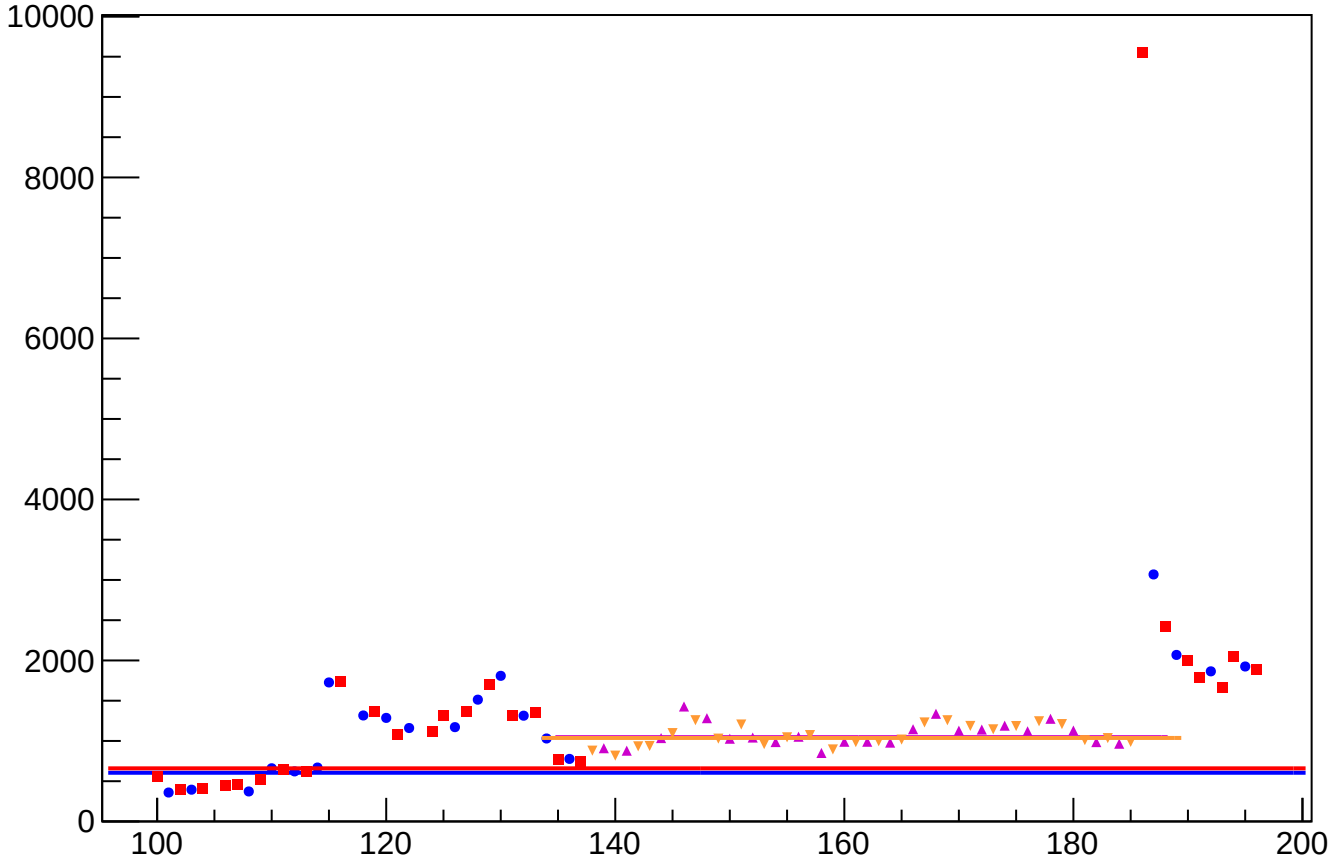
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -199.320+/-166.593 χ^2/NDF: 54.1/44

All: -145.834+/-118.623 χ^2/NDF: 118.3/93

- sign -90.825+/-168.948 χ^2/NDF: 64.0/48

asym_sam6_rms vs Slug



Right In: 604.903+/-0.165 χ^2/NDF: 6011087.9/19

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

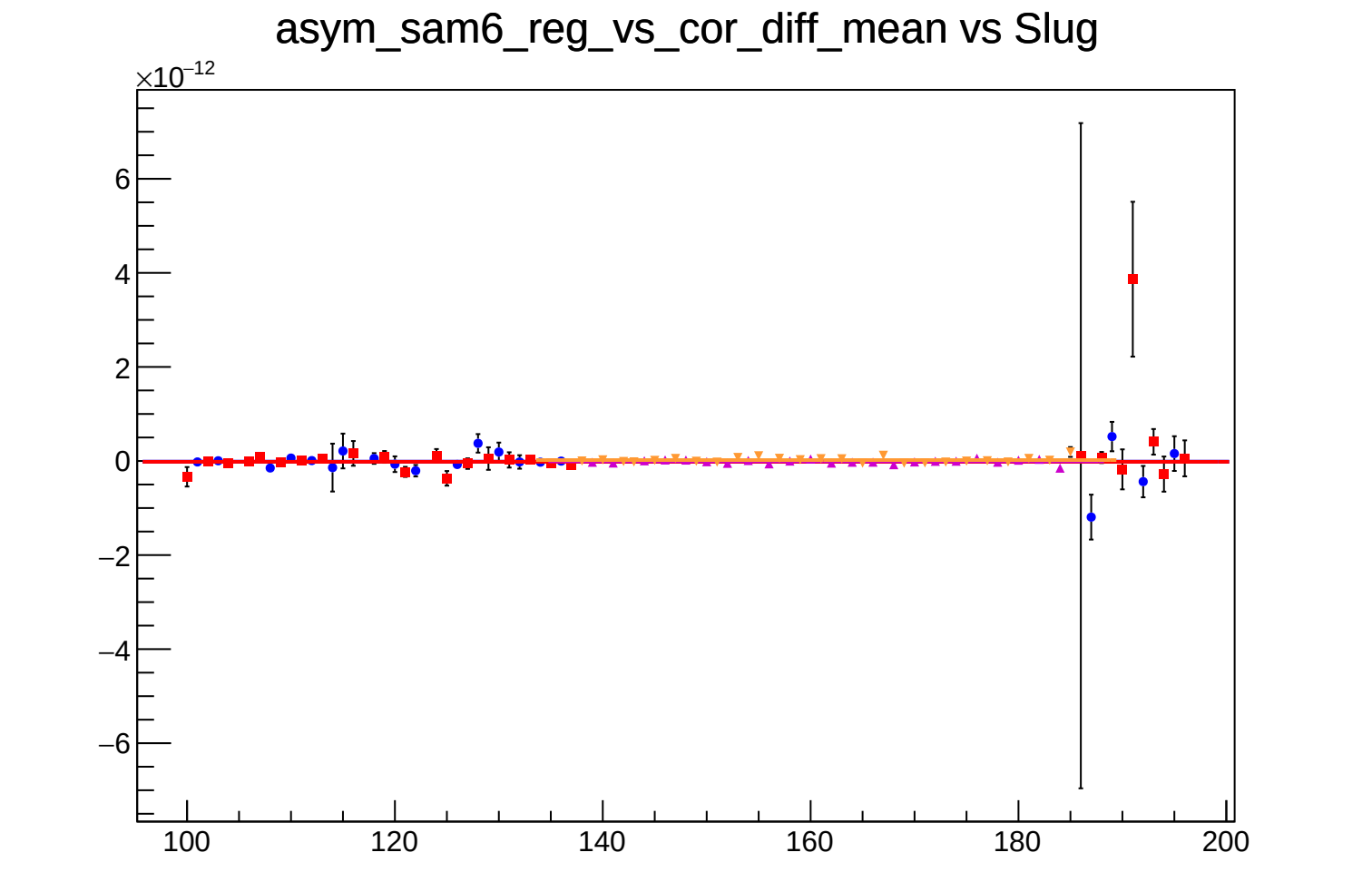
Right Out: 659.767+/-0.164 χ^2/NDF: 7498216.6/25

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 816.821+/-0.118 χ^2/NDF: 9964038.2/44

All: 828.708+/-0.084 χ^2/NDF: 20720085.0/93

- sign 840.933+/-0.119 χ^2/NDF: 10735393.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/25

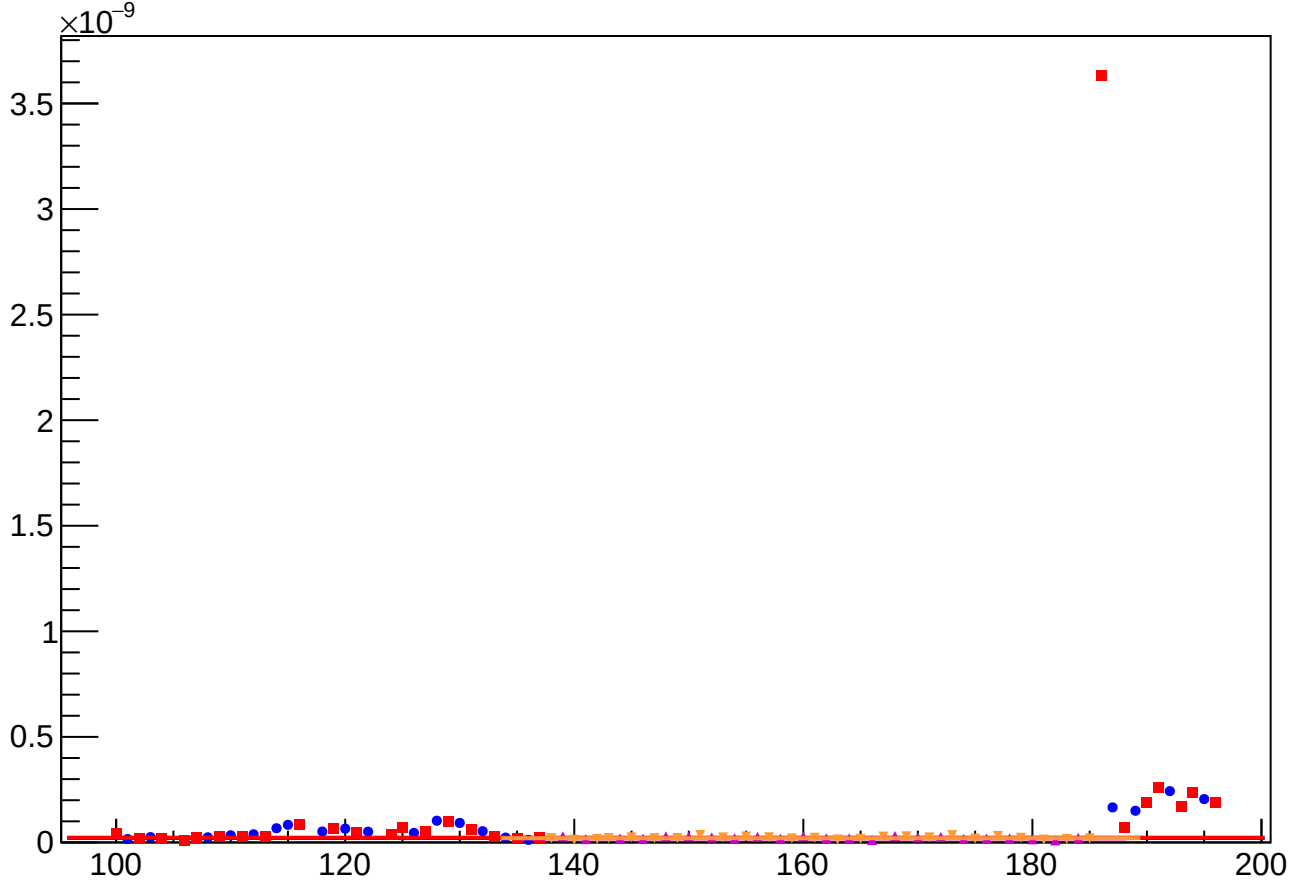
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.6/44

All: 0.000+/-0.000 χ^2/NDF: 114.2/93

- 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: 3925238.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4719666.4/25

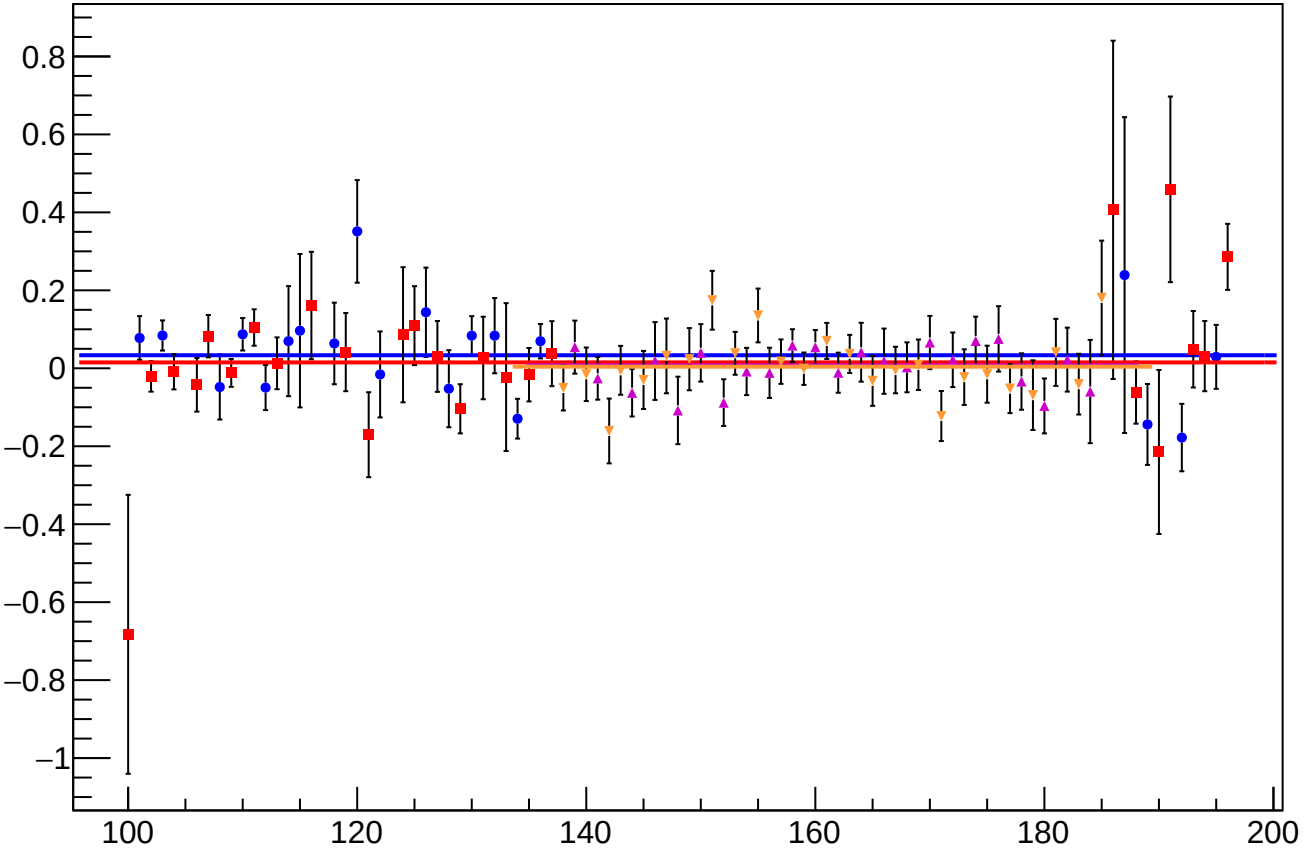
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4927065.8/44

All: 0.000+/-0.000 χ^2/NDF: 10789581.1/93

- sign 0.000+/-0.000 χ^2/NDF: 5858712.7/48

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

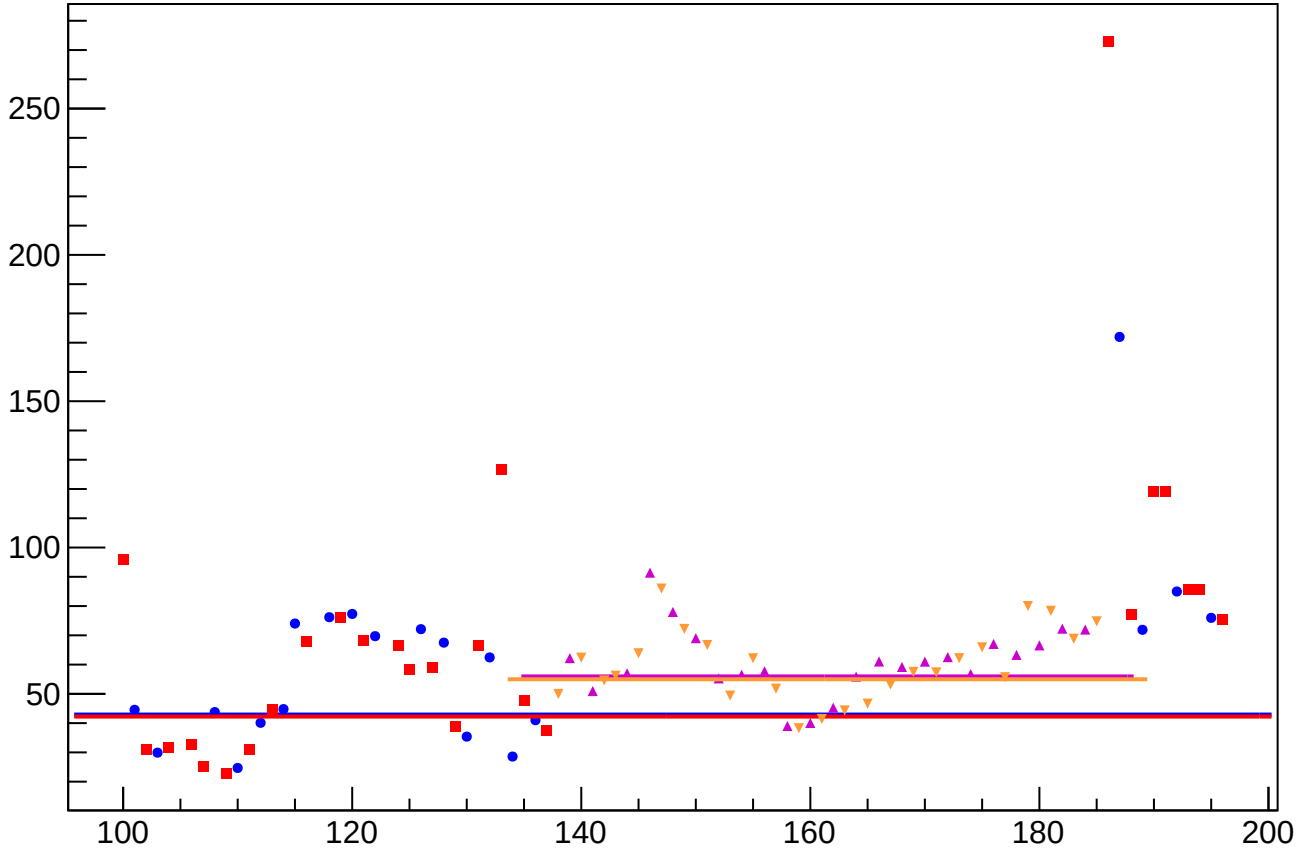
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.014+/-0.007 χ^2/NDF: 115.8/93

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 42.929+/-0.011 χ^2/NDF: 2822683.3/19

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

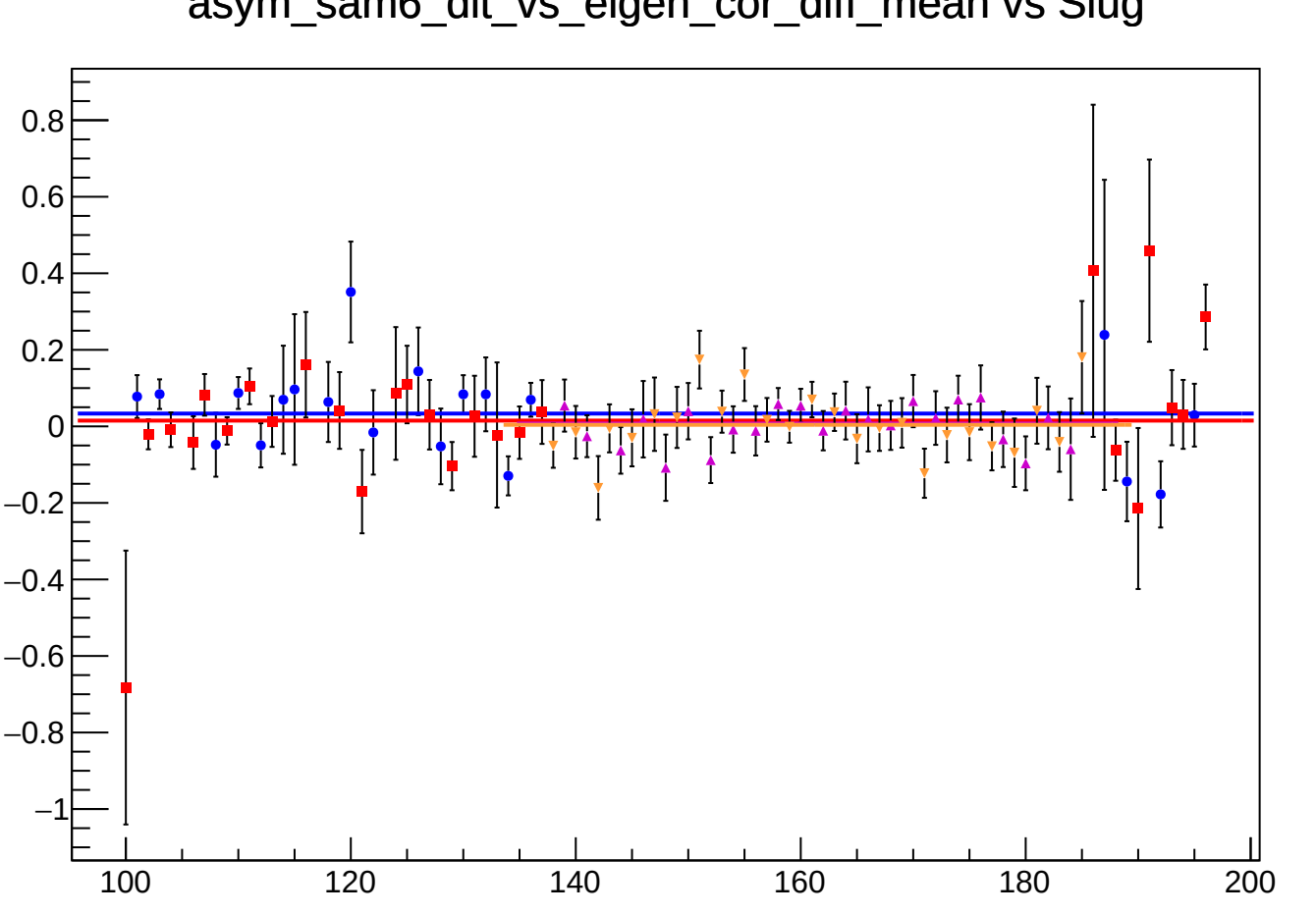
Right Out: 42.237+/-0.010 χ^2/NDF: 4947572.7/25

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.948+/-0.007 χ^2/NDF: 5113461.3/44

All: 49.693+/-0.005 χ^2/NDF: 12447945.1/93

- sign 49.441+/-0.007 χ^2/NDF: 7331829.8/48



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

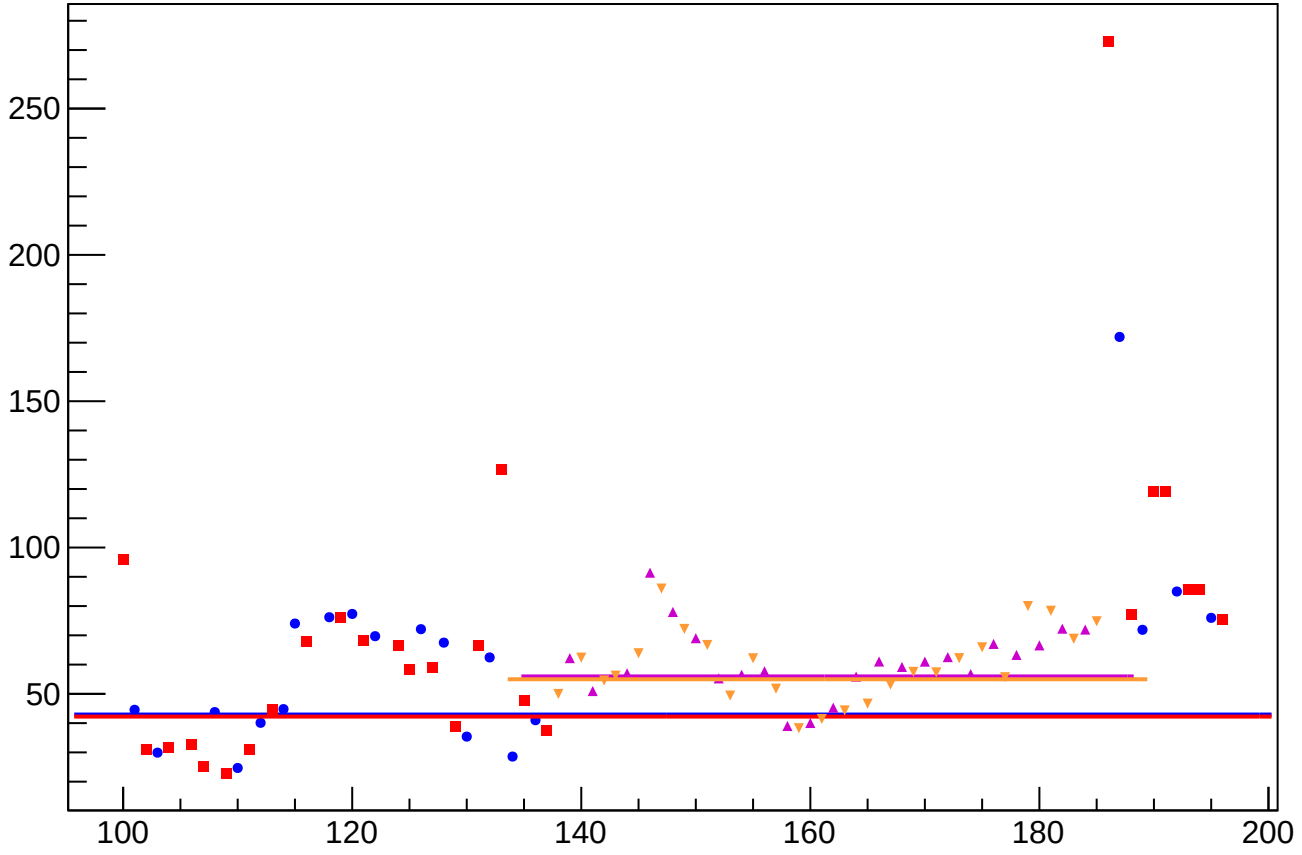
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.014+/-0.007 χ^2/NDF: 115.8/93

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.929+/-0.011 χ^2/NDF: 2822683.3/19

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

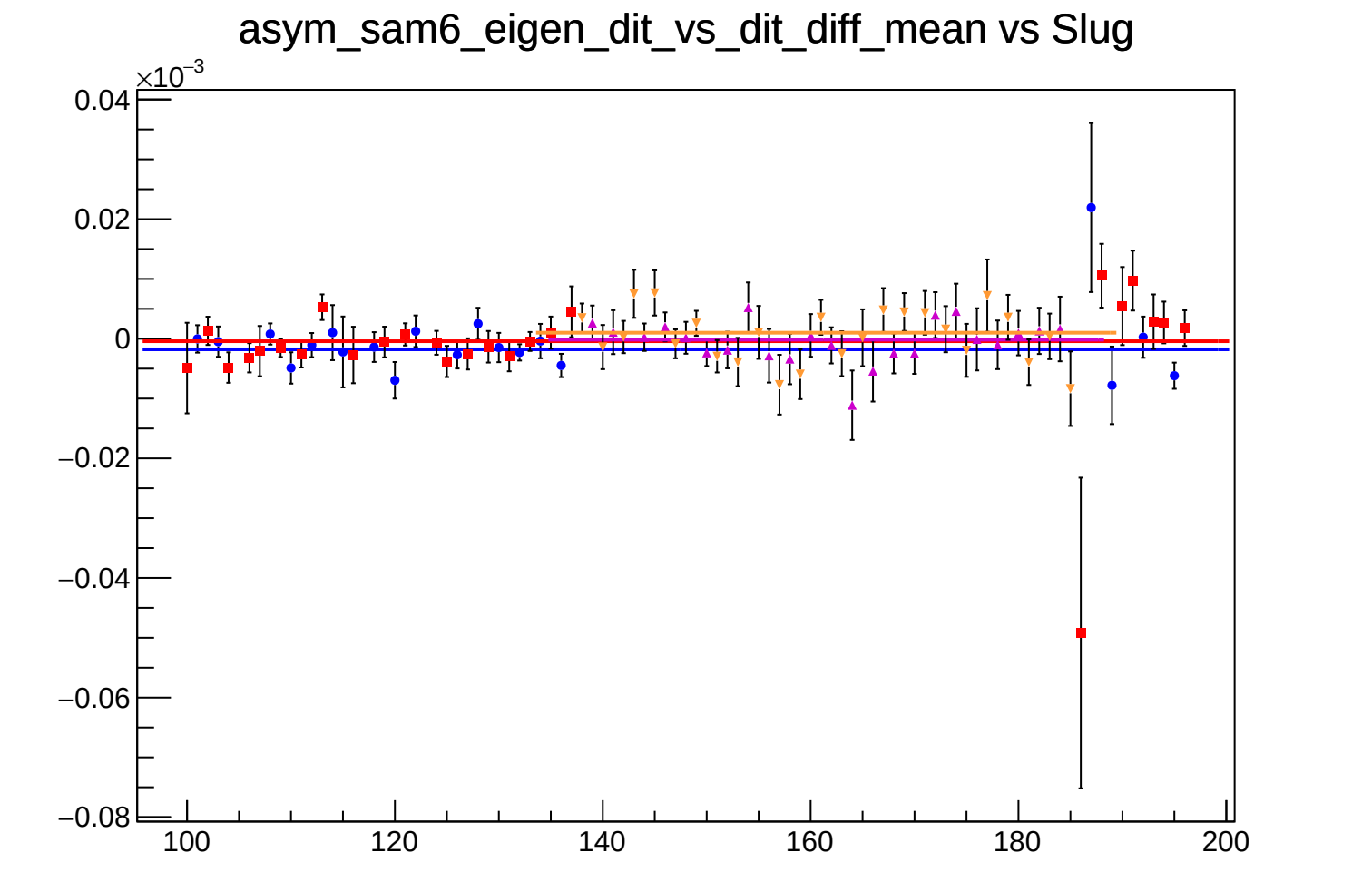
Right Out: 42.237+/-0.010 χ^2/NDF: 4947572.7/25

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.948+/-0.007 χ^2/NDF: 5113461.3/44

All: 49.693+/-0.005 χ^2/NDF: 12447945.1/93

- sign 49.441+/-0.007 χ^2/NDF: 7331829.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/25

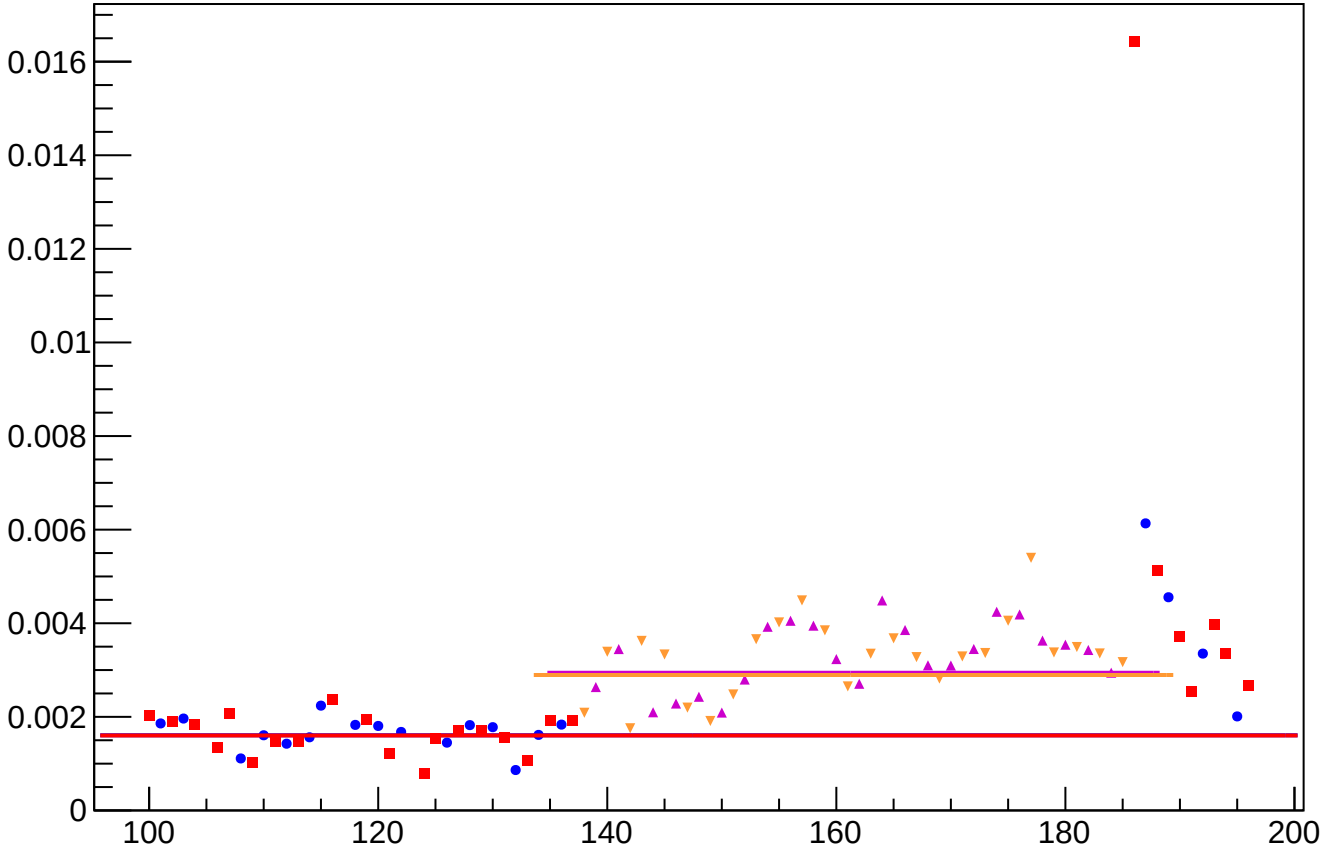
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/44

All: -0.000+/-0.000 χ^2/NDF: 109.5/93

- 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: 2139579.6/19

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4334601.2/25

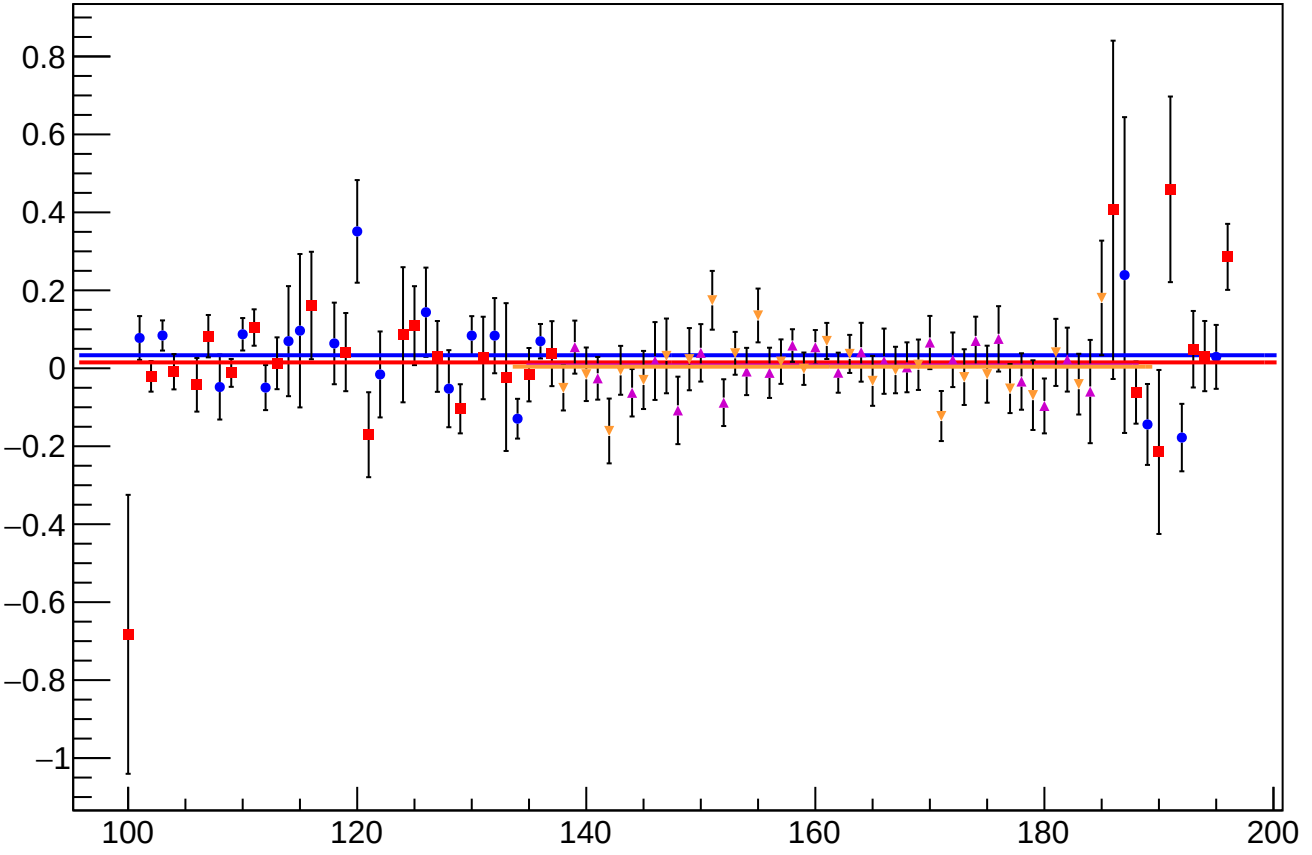
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9061892.5/44

All: 0.002+/-0.000 χ^2/NDF: 19948806.6/93

- sign 0.002+/-0.000 χ^2/NDF: 10875694.1/48

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

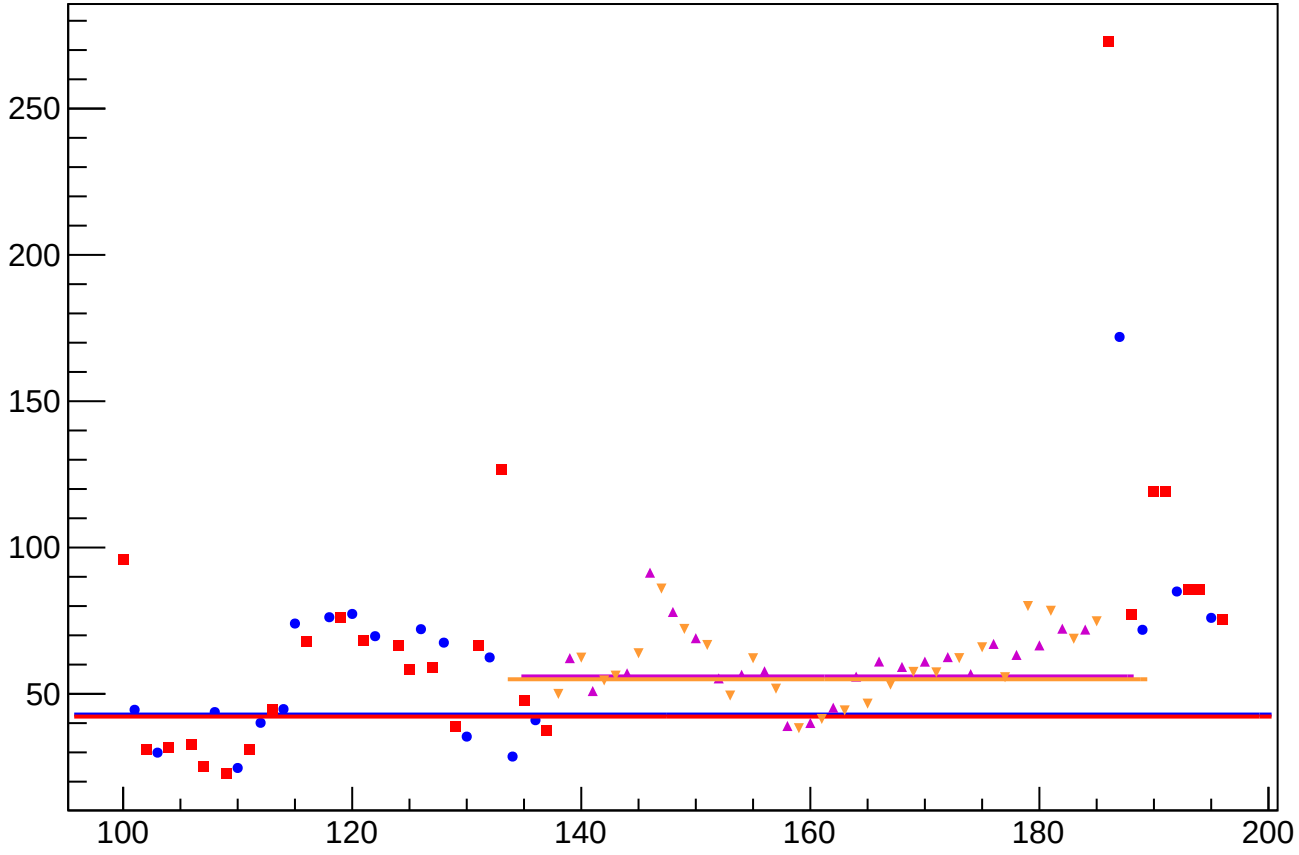
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.014+/-0.007 χ^2/NDF: 115.8/93

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.928+/-0.011 χ^2/NDF: 2822730.3/19

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

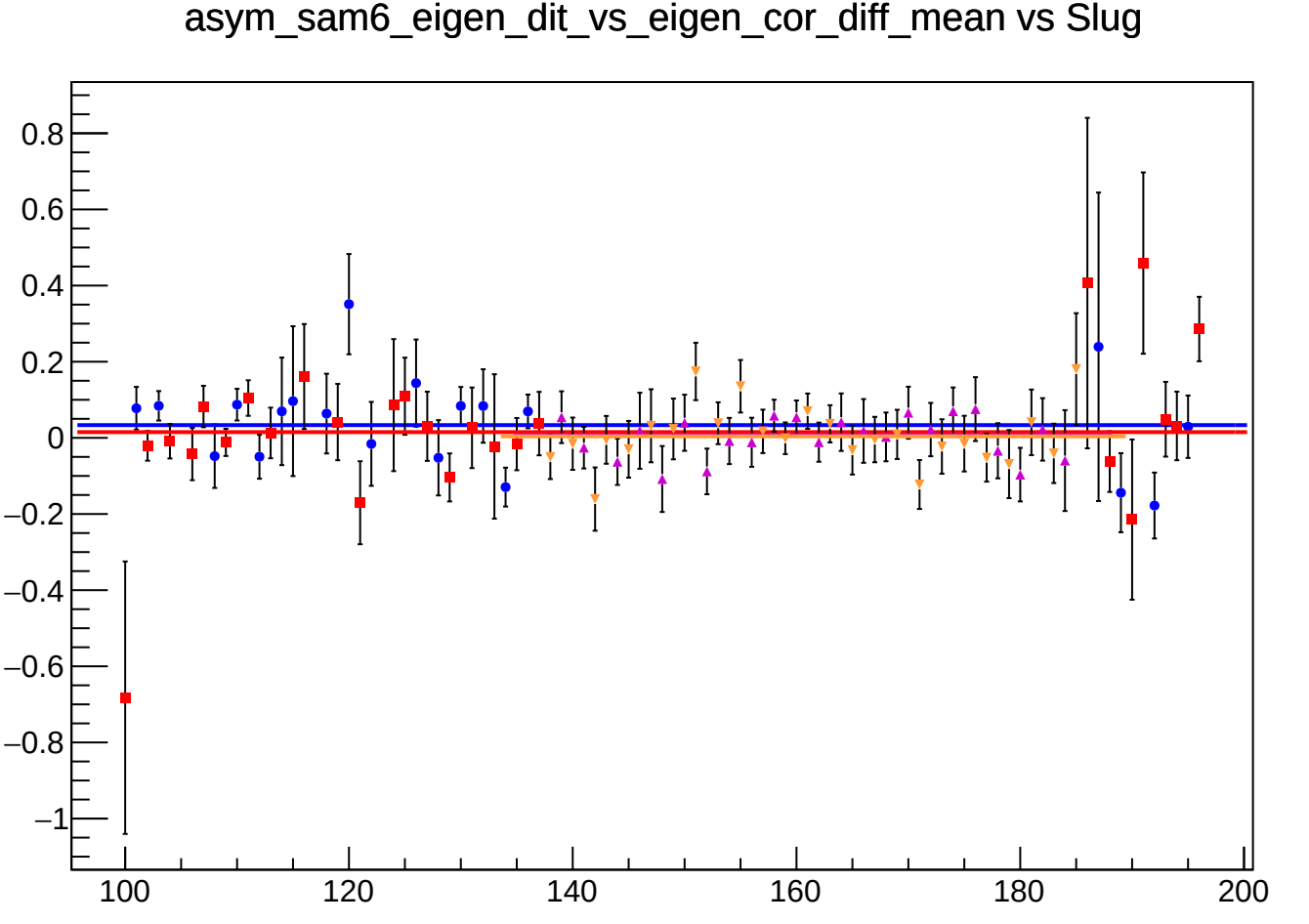
Right Out: 42.237+/-0.010 χ^2/NDF: 4947550.7/25

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.947+/-0.007 χ^2/NDF: 5113596.3/44

All: 49.692+/-0.005 χ^2/NDF: 12448127.3/93

- sign 49.441+/-0.007 χ^2/NDF: 7331877.8/48



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

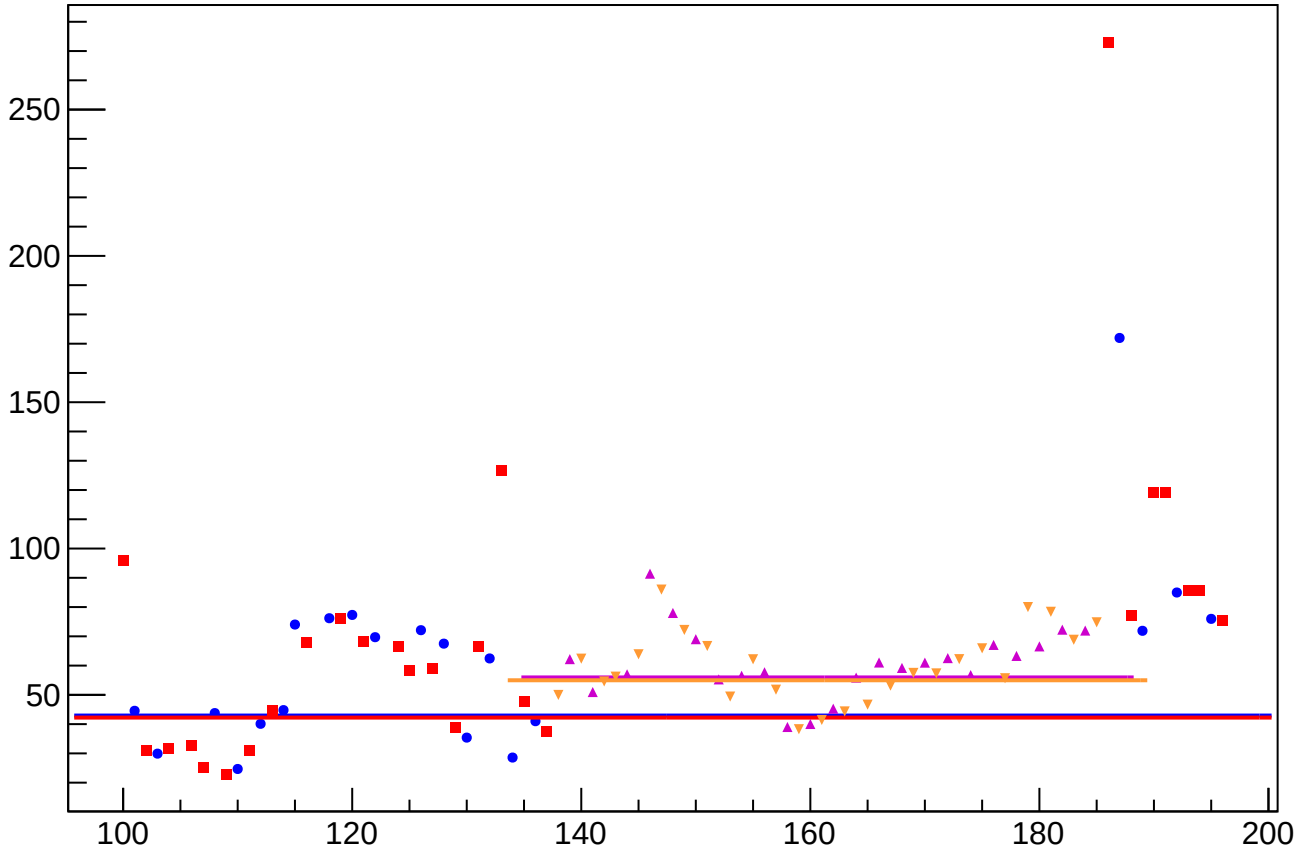
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.014+/-0.007 χ^2/NDF: 115.8/93

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.928+/-0.011 χ^2/NDF: 2822730.3/19

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 42.237+/-0.010 χ^2/NDF: 4947550.7/25

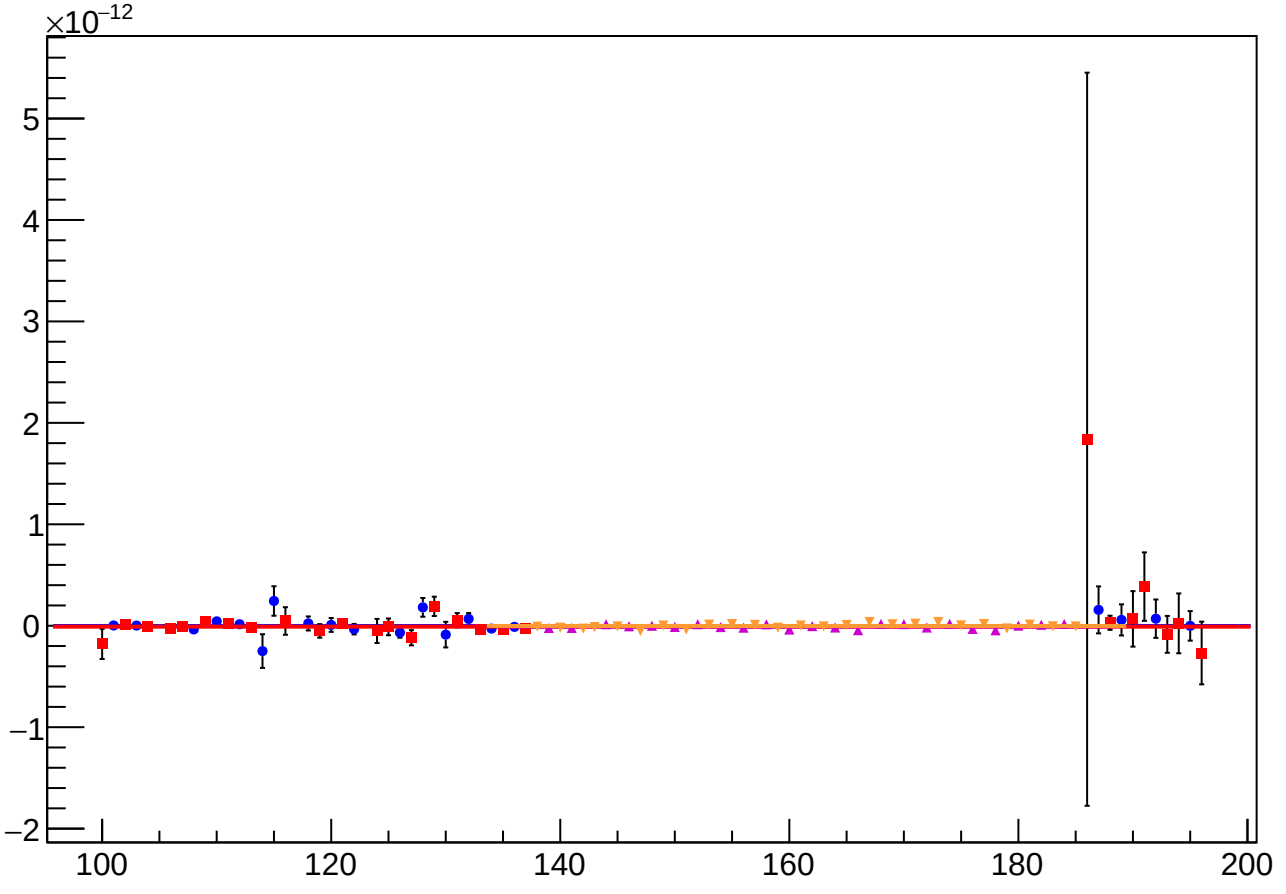
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.947+/-0.007 χ^2/NDF: 5113596.3/44

All: 49.692+/-0.005 χ^2/NDF: 12448127.3/93

- 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: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

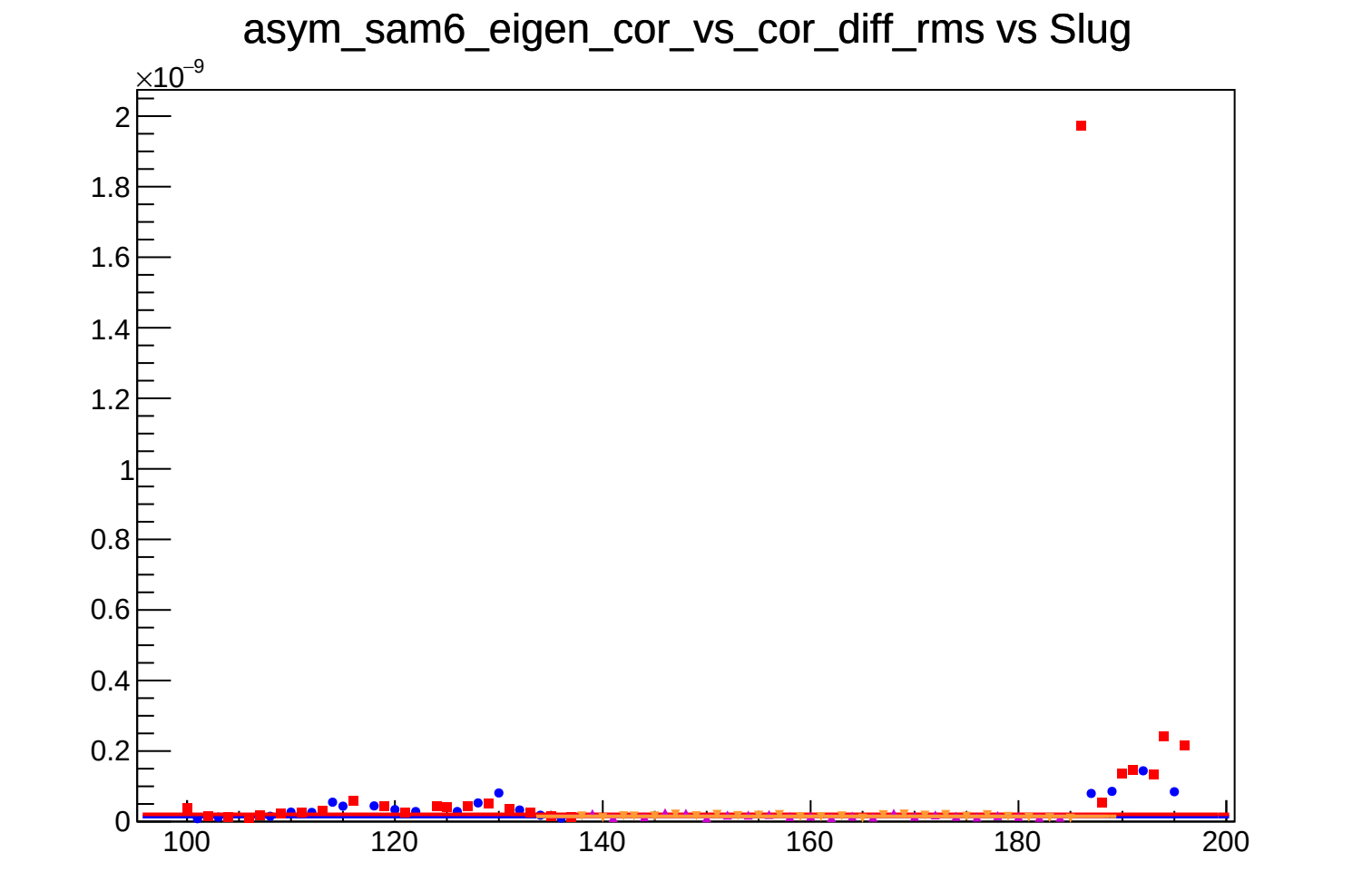
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

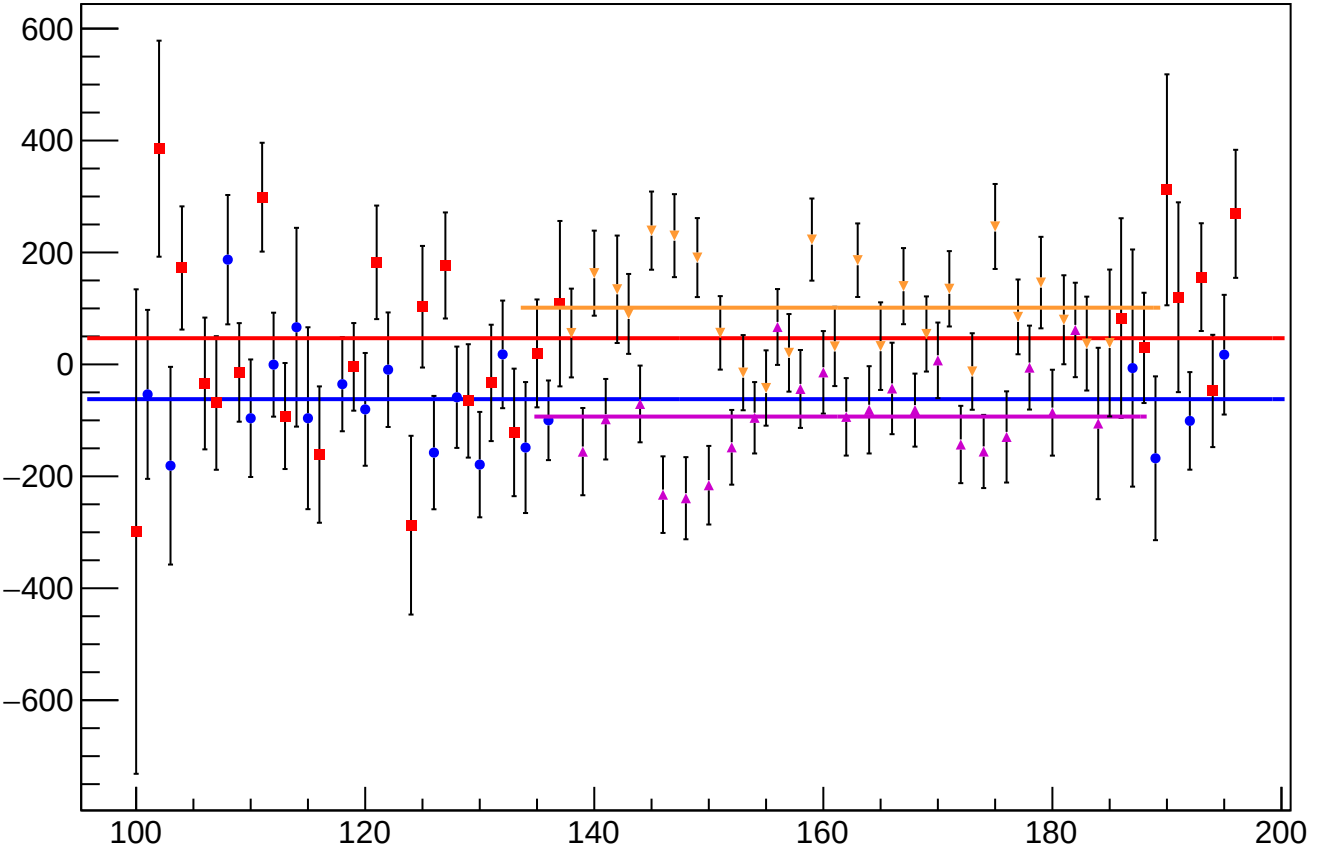
+ sign -0.000+/-0.000 χ^2/NDF: 36.7/44

All: -0.000+/-0.000 χ^2/NDF: 78.0/93

- sign -0.000+/-0.000 χ^2/NDF: 40.6/48


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5207442.6/19
Left Out: 0.000+/-0.000 χ²/NDF:1401850.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6504233.4/25
Left In: 0.000+/-0.000 χ²/NDF:1427121.6/22
+ sign 0.000+/-0.000 χ²/NDF: 6620447.5/44
All: 0.000+/-0.000 χ²/NDF: 15303372.7/93
- sign 0.000+/-0.000 χ²/NDF: 8556817.0/48

reg_asym_sam7_mean vs Slug



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.796+/-22.017 χ^2/NDF: 39.5/25

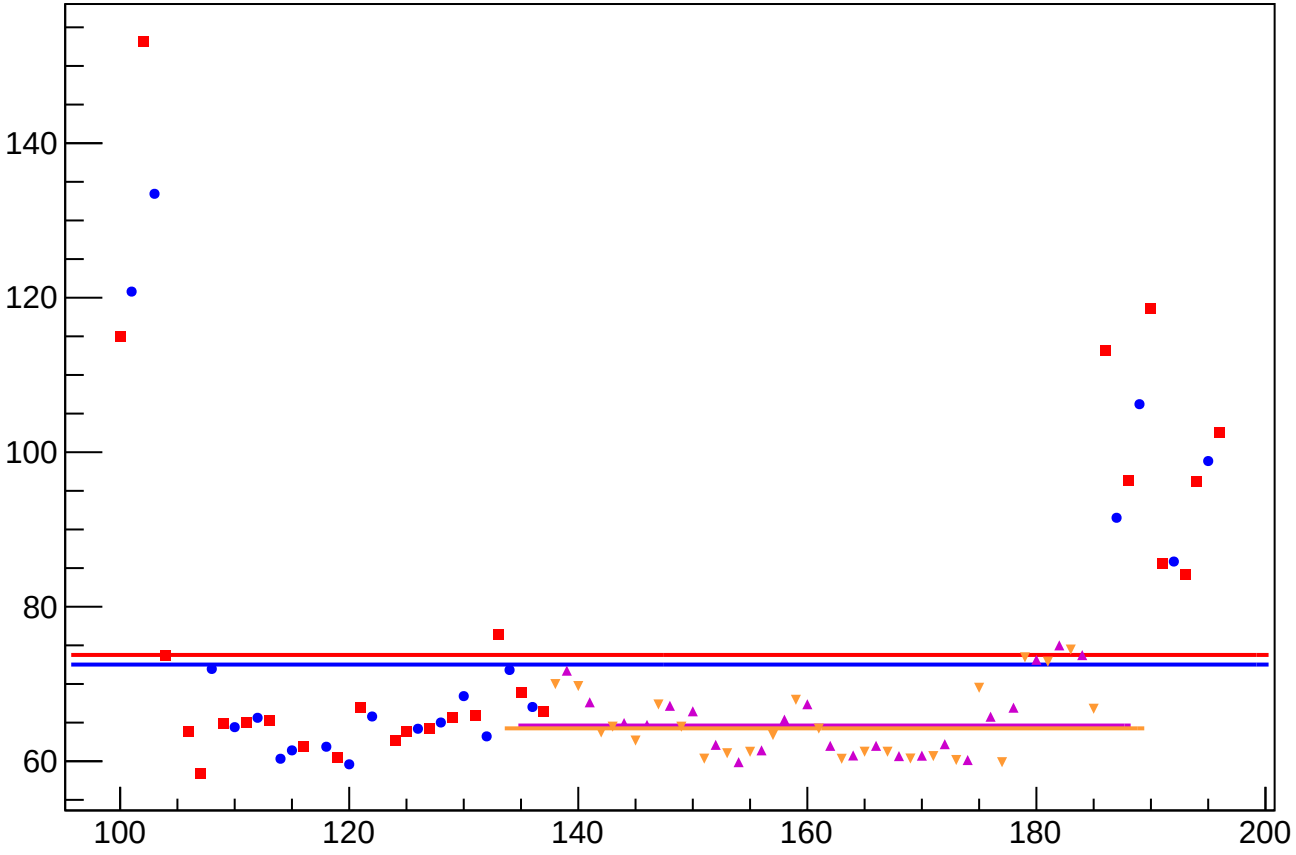
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 56.532+/-12.475 χ^2/NDF: 79.9/44

All: 4.113+/-8.820 χ^2/NDF: 211.1/93

- sign -48.292+/-12.473 χ^2/NDF: 95.8/48

reg_asym_sam7_rms vs Slug



Right In: 72.513+/-0.017 χ^2/NDF: 909617.3/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 73.759+/-0.016 χ^2/NDF: 1180690.7/25

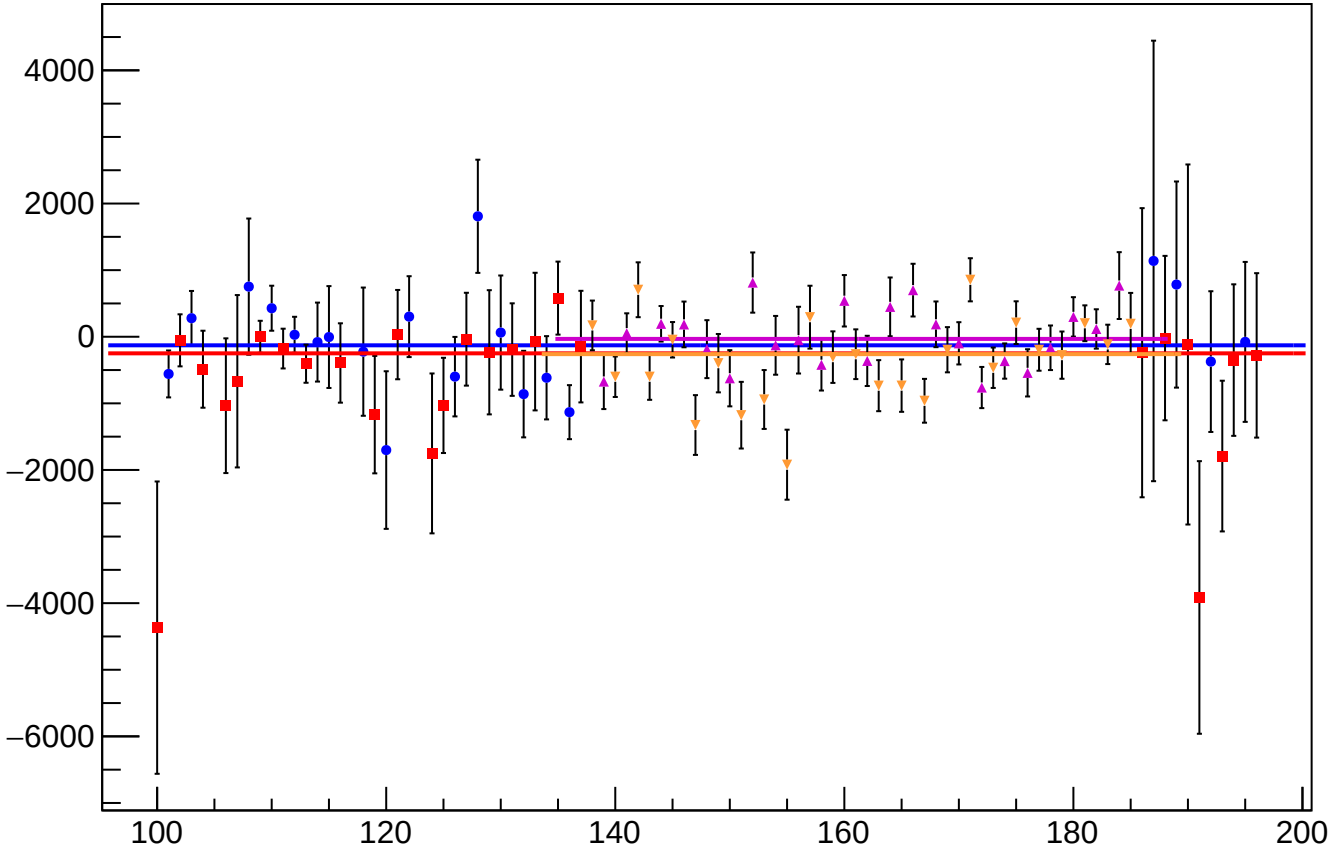
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 66.519+/-0.009 χ^2/NDF: 1261657.9/44

All: 67.036+/-0.006 χ^2/NDF: 2830381.9/93

\- sign 67.554+/-0.009 χ^2/NDF: 1561835.8/48

asym_sam7_reg_correction_mean vs Slug



Right In: -128.624+/-123.860 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -249.180+/-115.058 χ^2/NDF: 17.7/25

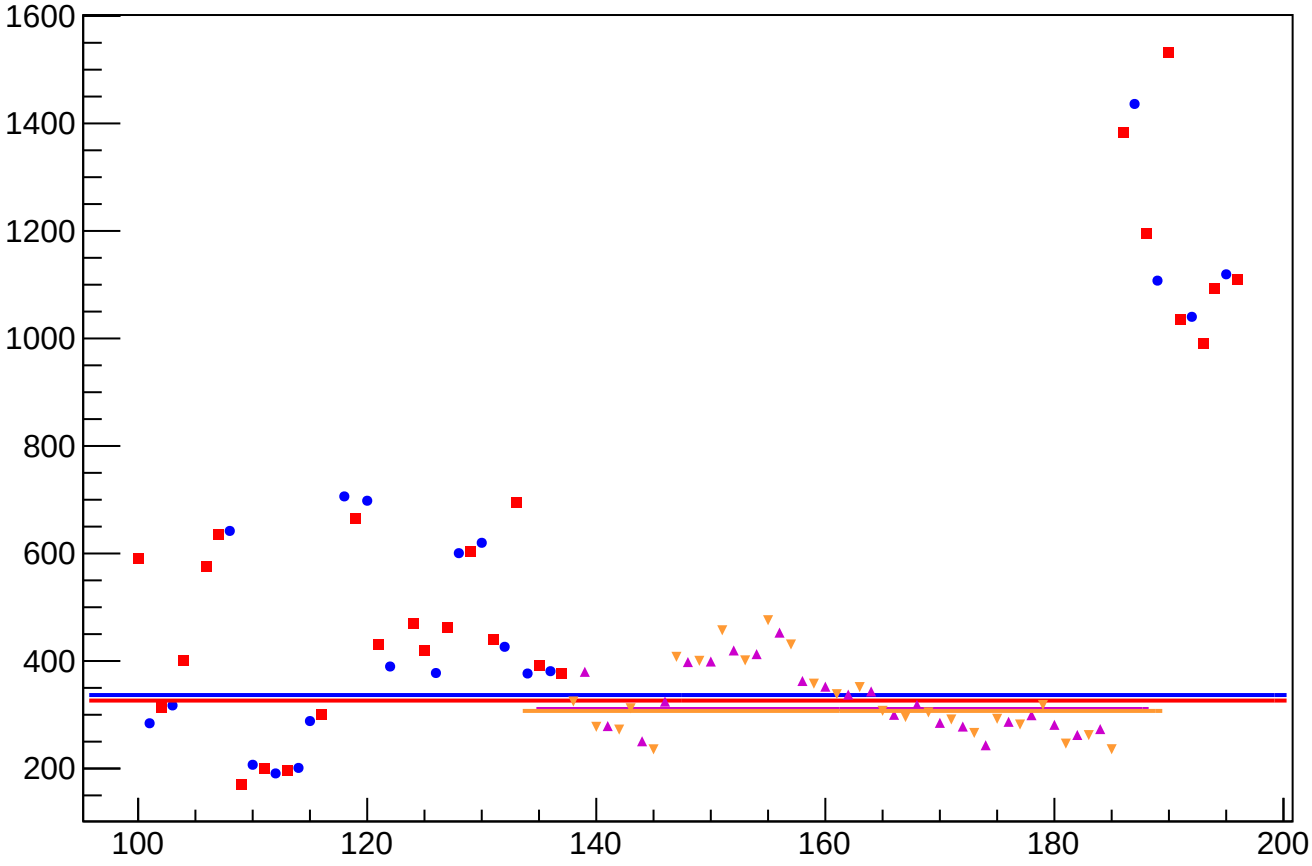
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.772 χ^2/NDF: 82.7/44

All: -162.304+/-43.810 χ^2/NDF: 136.9/93

- sign -95.651+/-62.142 χ^2/NDF: 51.9/48

asym_sam7_reg_correction_rms vs Slug



Right In: 336.680+/-0.088 χ^2/NDF: 4658670.0/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 326.398+/-0.081 χ^2/NDF: 7428551.5/25

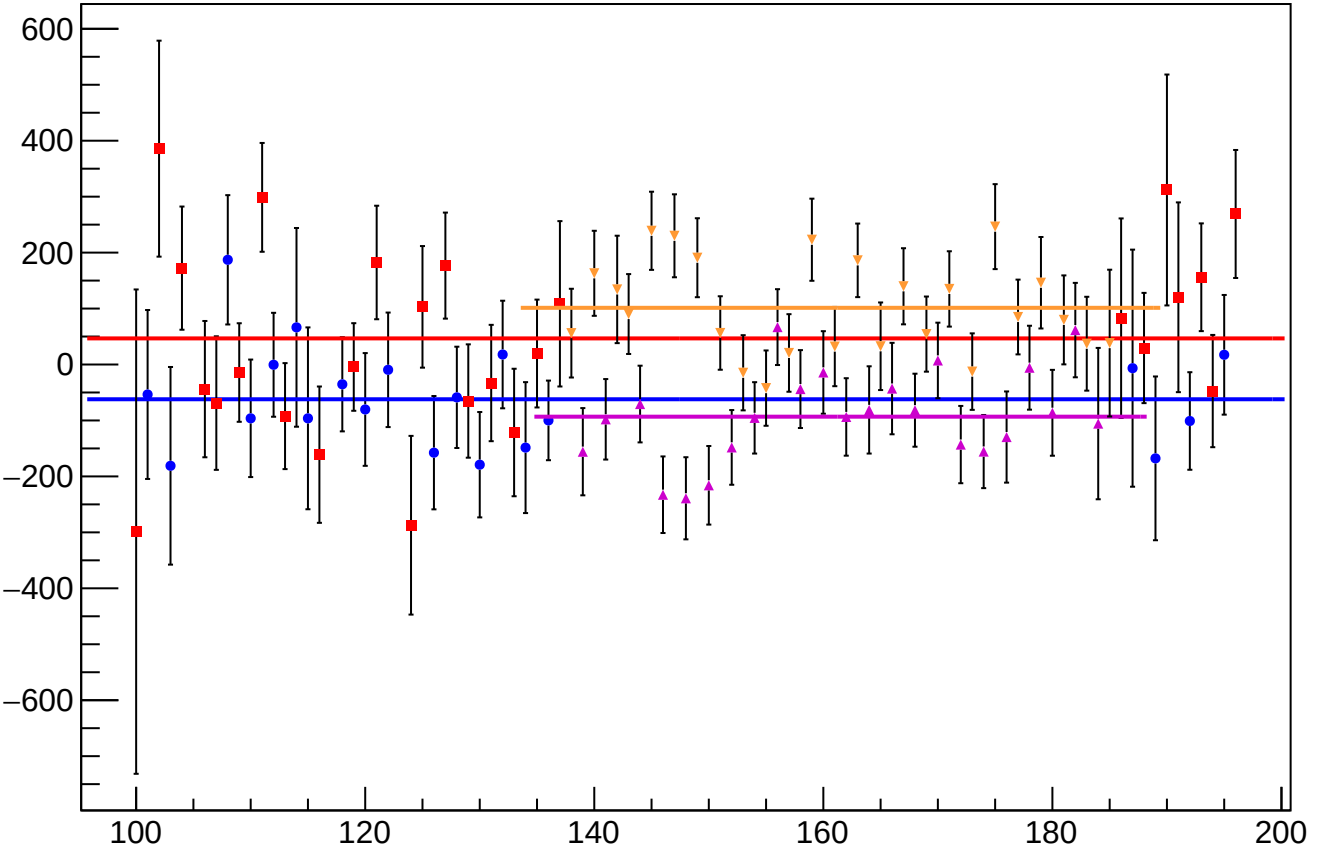
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

\+ sign 314.490+/-0.044 χ^2/NDF: 6064267.0/44

All: 314.881+/-0.031 χ^2/NDF: 14598835.7/93

\- sign 315.277+/-0.044 χ^2/NDF: 8534407.1/48

cor_asym_sam7_mean vs Slug



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.660+/-22.042 χ^2/NDF: 39.6/25

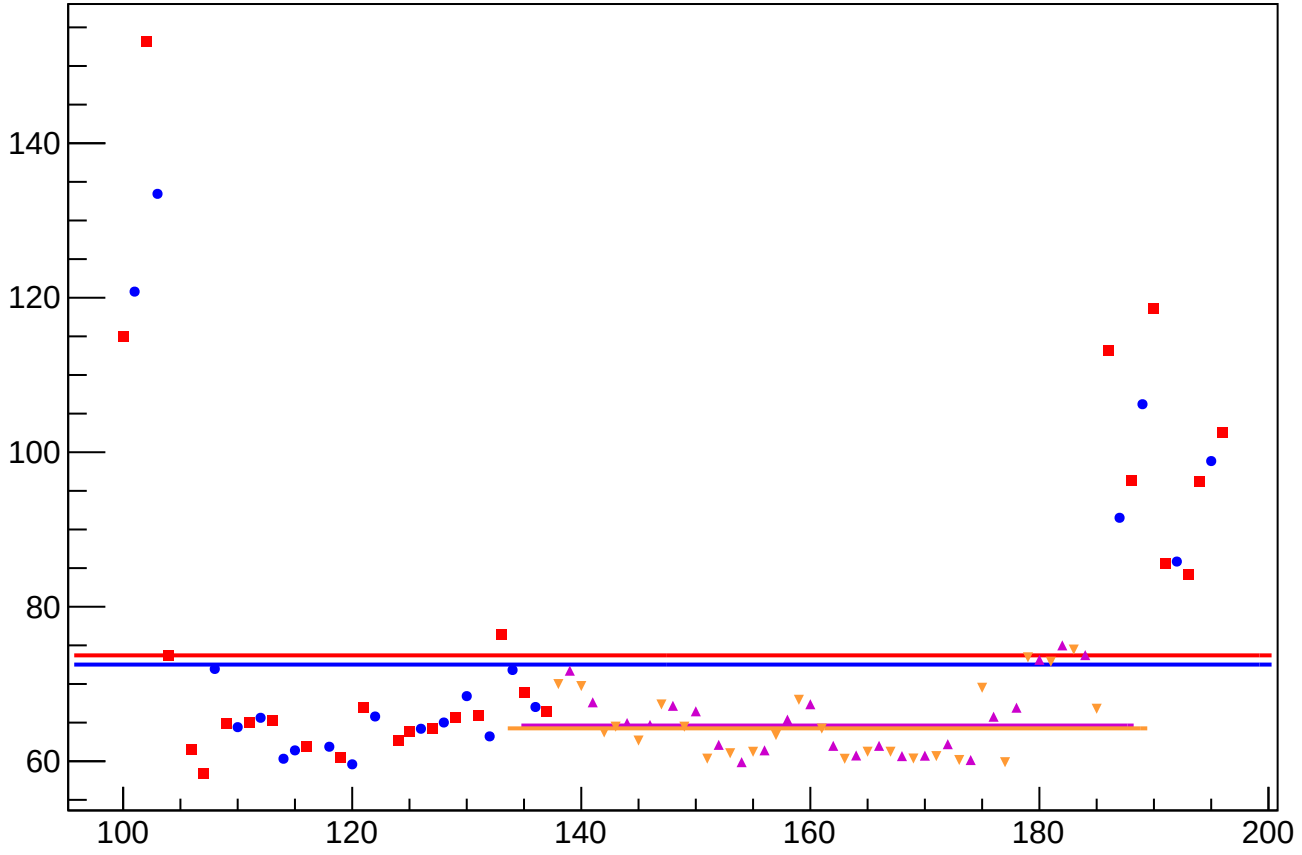
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 56.531+/-12.475 χ^2/NDF: 79.9/44

All: 4.075+/-8.822 χ^2/NDF: 211.1/93

- sign -48.405+/-12.478 χ^2/NDF: 95.8/48

cor_asym_sam7_rms vs Slug



Right In: 72.513+/-0.017 χ^2/NDF: 909617.7/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 73.704+/-0.016 χ^2/NDF: 1186802.0/25

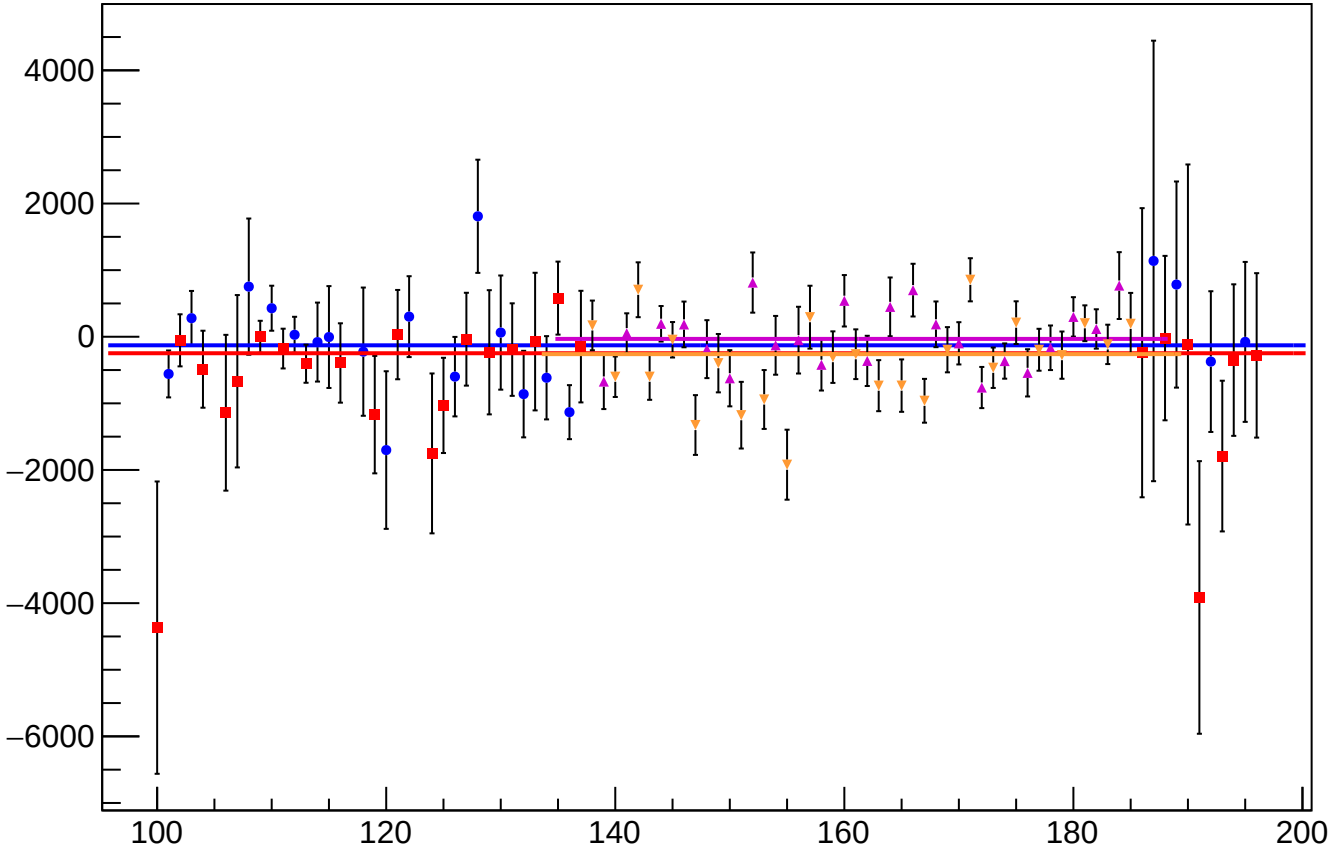
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.519+/-0.009 χ^2/NDF: 1261658.2/44

All: 67.025+/-0.006 χ^2/NDF: 2833049.5/93

- sign 67.532+/-0.009 χ^2/NDF: 1564796.3/48

asym_sam7_cor_correction_mean vs Slug



Right In: -128.620+/-123.861 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -247.642+/-115.251 χ^2/NDF: 17.7/25

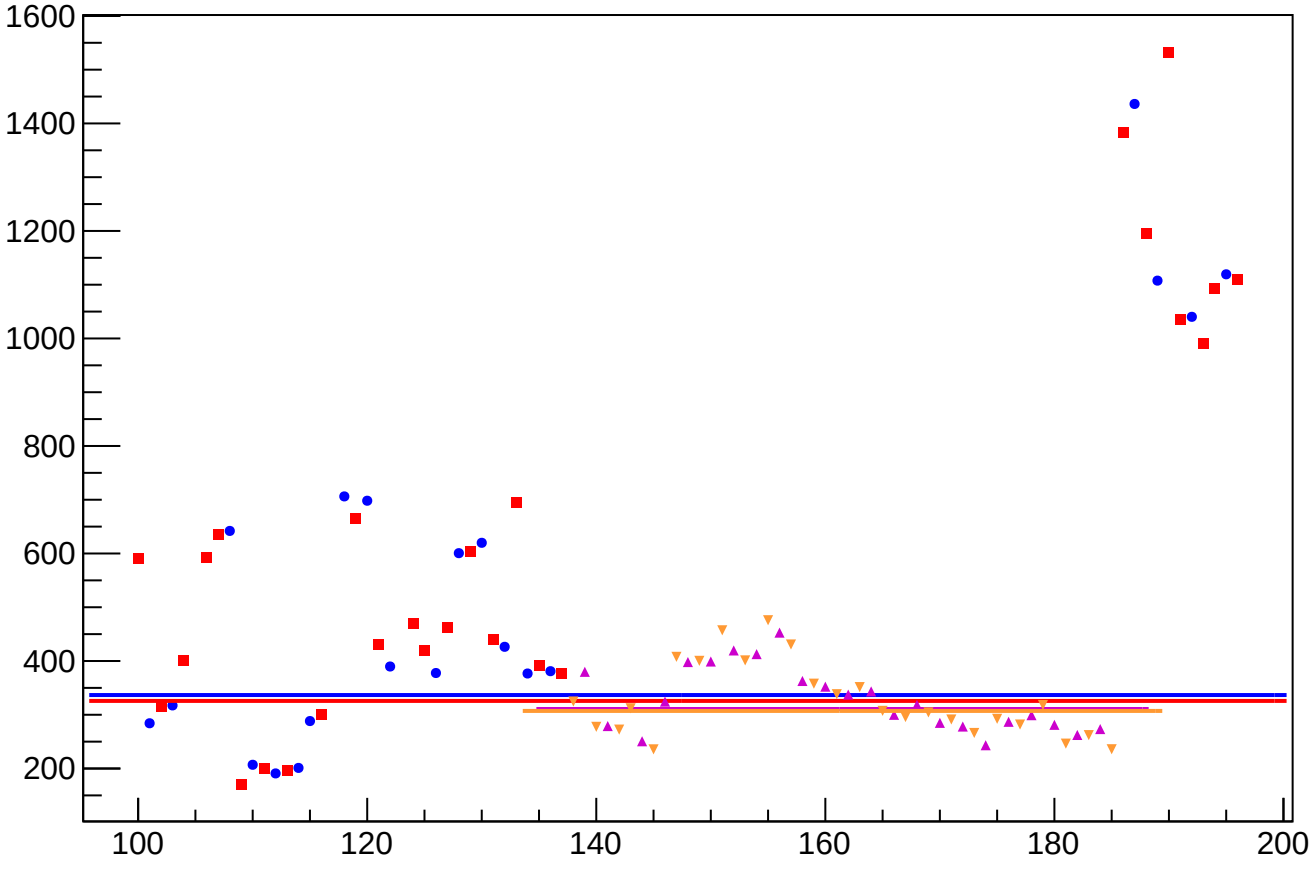
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.773 χ^2/NDF: 82.7/44

All: -162.038+/-43.820 χ^2/NDF: 136.9/93

- sign -95.051+/-62.172 χ^2/NDF: 51.9/48

asym_sam7_cor_correction_rms vs Slug



Right In: 336.682+/-0.088 χ^2/NDF: 4658658.3/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 325.771+/-0.081 χ^2/NDF: 7411408.5/25

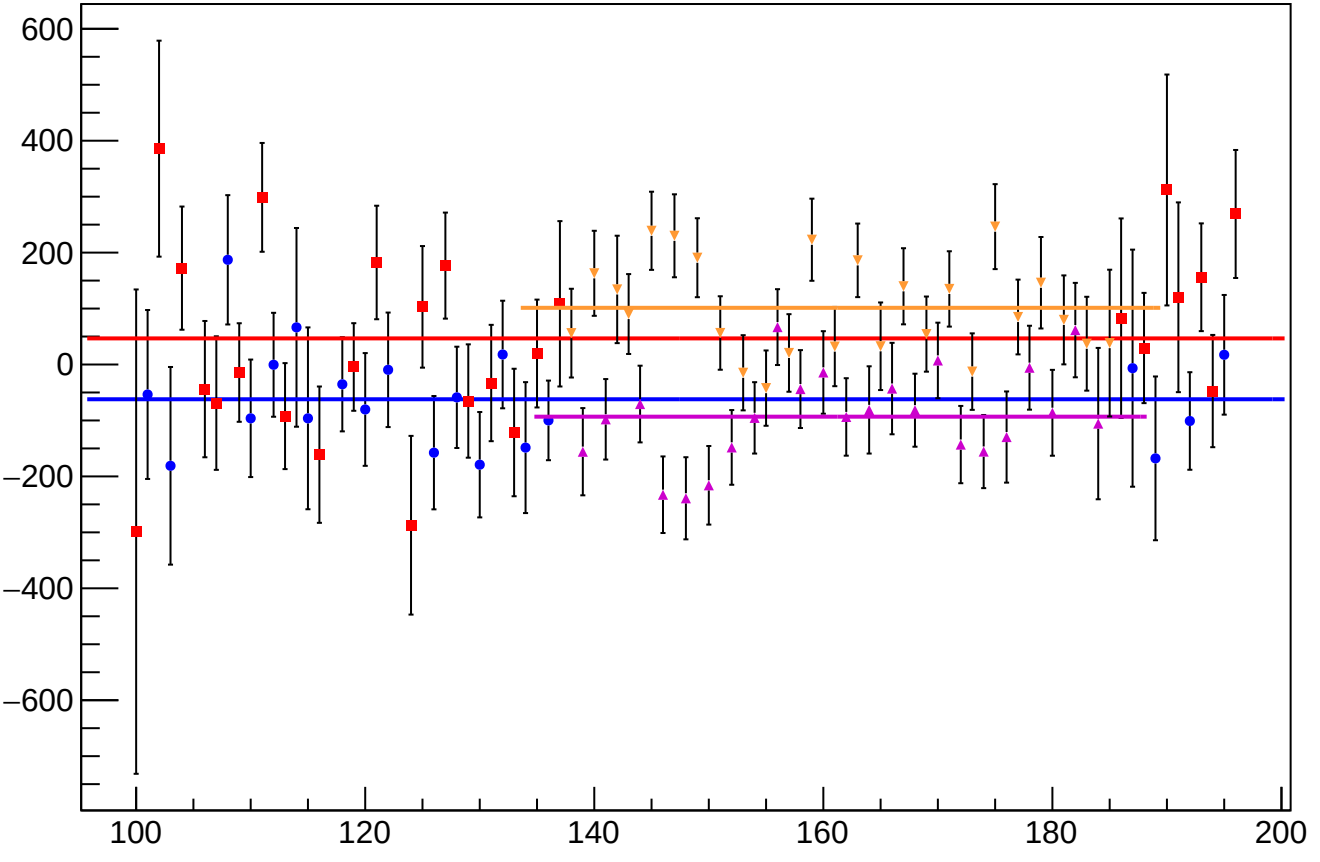
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 314.490+/-0.044 χ^2/NDF: 6064264.0/44

All: 314.785+/-0.031 χ^2/NDF: 14579499.7/93

- sign 315.084+/-0.044 χ^2/NDF: 8515143.9/48

eigen_cor_asym_sam7_mean vs Slug



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.660+/-22.042 χ^2/NDF: 39.6/25

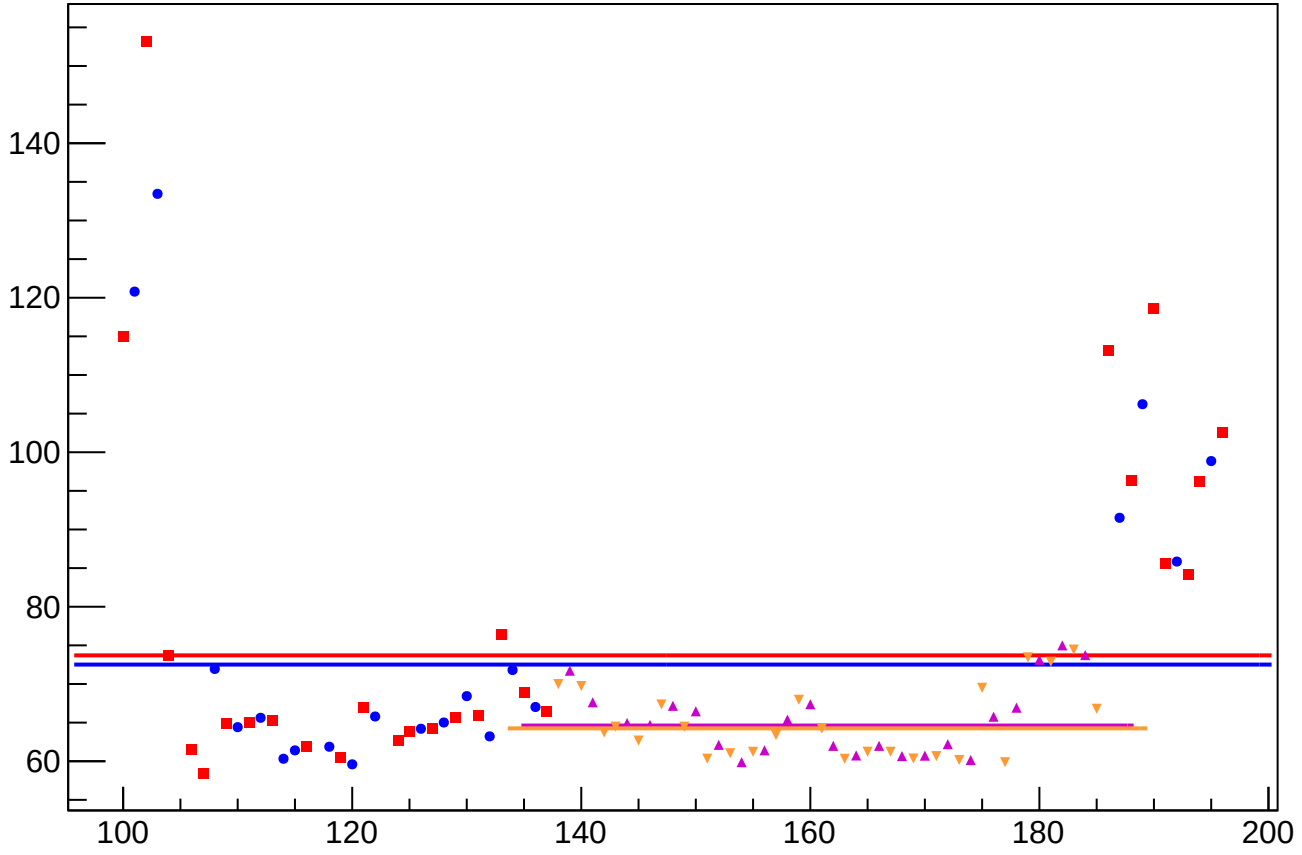
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 56.531+/-12.475 χ^2/NDF: 79.9/44

All: 4.075+/-8.822 χ^2/NDF: 211.1/93

- sign -48.405+/-12.478 χ^2/NDF: 95.8/48

eigen_cor_asym_sam7_rms vs Slug



Right In: 72.513+/-0.017 χ^2/NDF: 909617.7/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

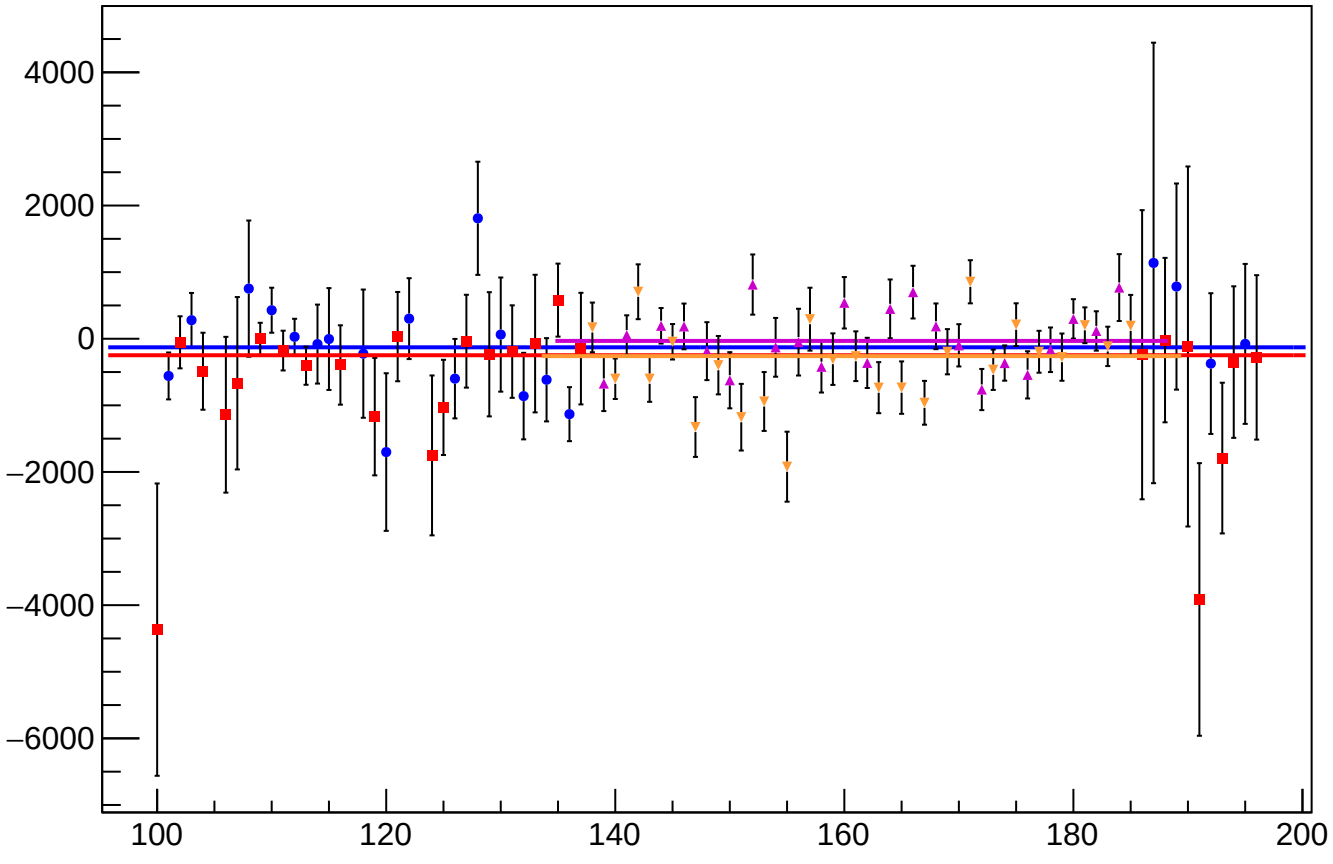
Right Out: 73.704+/-0.016 χ^2/NDF: 1186802.0/25

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.519+/-0.009 χ^2/NDF: 1261658.2/44

All: 67.025+/-0.006 χ^2/NDF: 2833049.5/93

- sign 67.532+/-0.009 χ^2/NDF: 1564796.3/48



Right In: -128.620+/-123.861 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -247.642+/-115.251 χ^2/NDF: 17.7/25

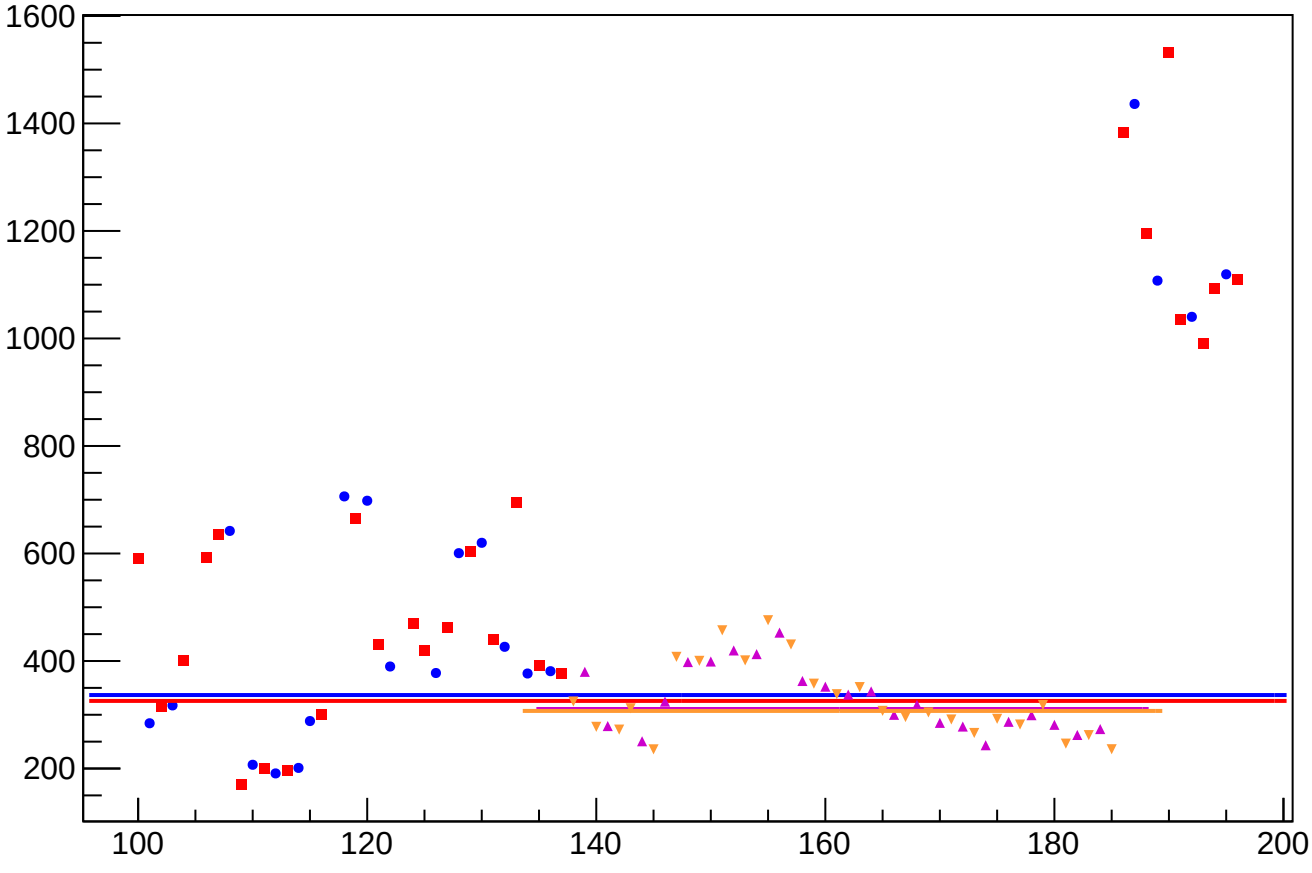
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.773 χ^2/NDF: 82.7/44

All: -162.038+/-43.820 χ^2/NDF: 136.9/93

- sign -95.051+/-62.172 χ^2/NDF: 51.9/48

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 336.682+/-0.088 χ^2/NDF: 4658658.3/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 325.771+/-0.081 χ^2/NDF: 7411408.5/25

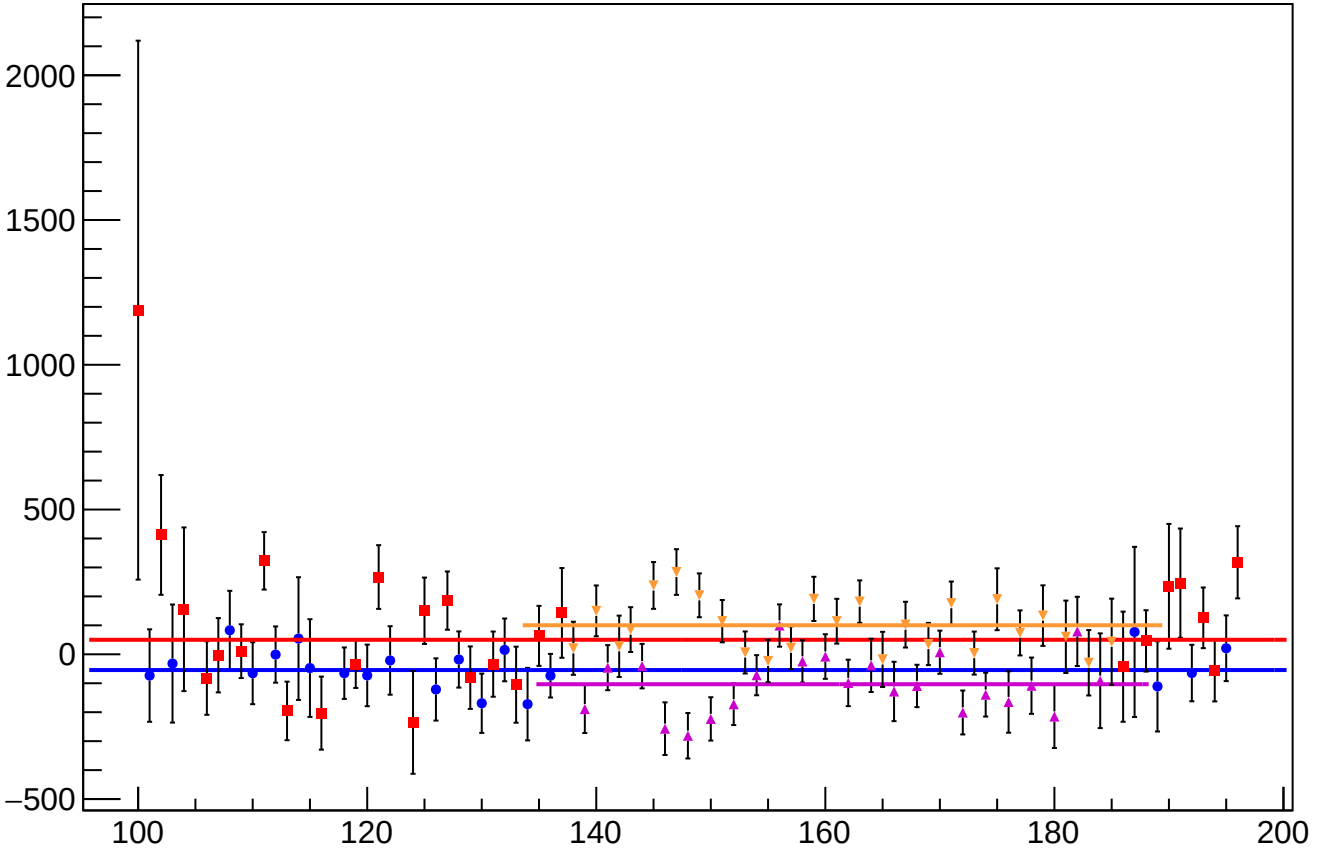
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 314.490+/-0.044 χ^2/NDF: 6064264.0/44

All: 314.785+/-0.031 χ^2/NDF: 14579499.7/93

- sign 315.084+/-0.044 χ^2/NDF: 8515143.9/48

dit_asym_sam7_mean vs Slug



Right In: -54.406+/-25.793 χ^2/NDF: 5.7/19

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 50.168+/-23.965 χ^2/NDF: 45.6/25

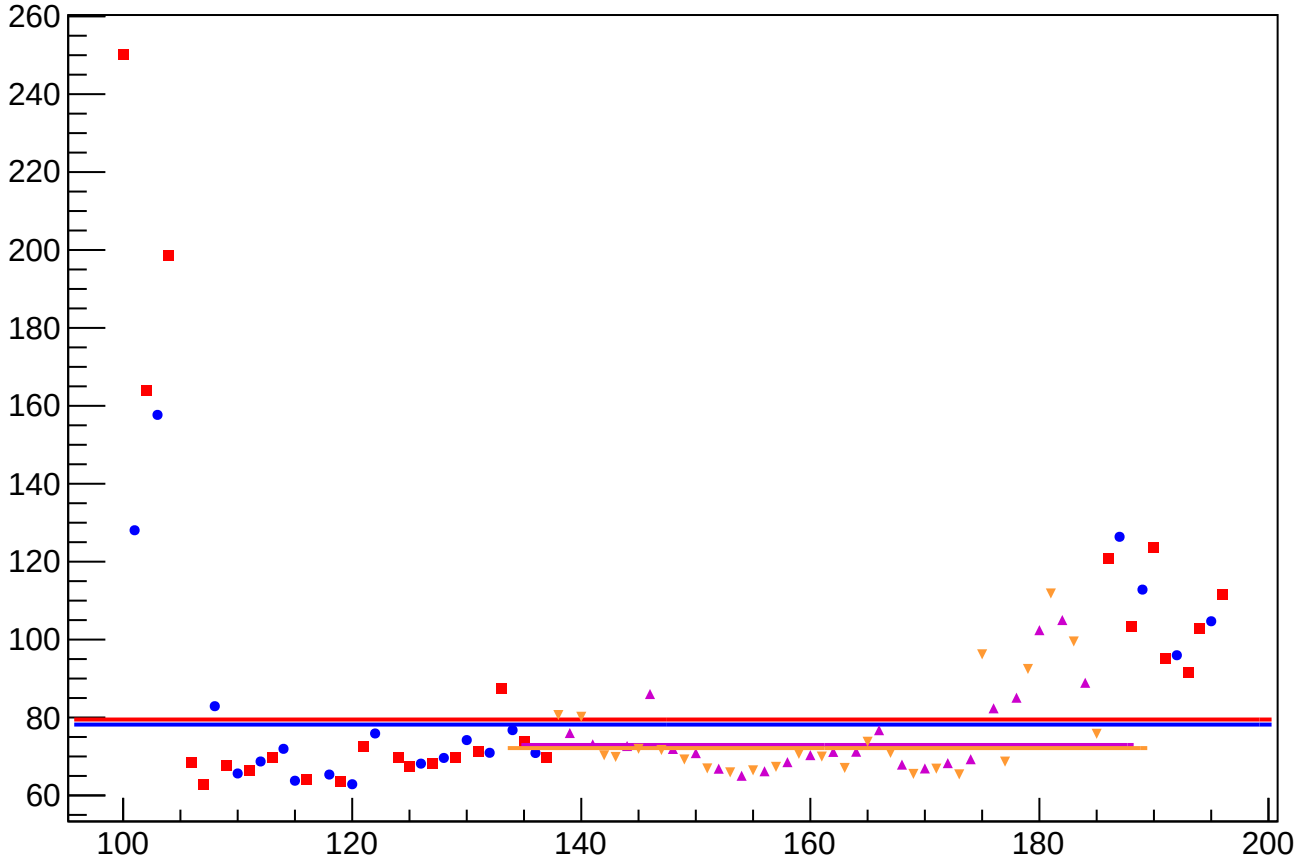
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 54.874+/-13.974 χ^2/NDF: 58.8/44

All: 2.097+/-9.892 χ^2/NDF: 192.8/93

- sign -50.924+/-14.006 χ^2/NDF: 105.4/48

dit_asym_sam7_rms vs Slug



Right In: 78.186+/-0.018 χ^2/NDF: 1040613.0/19

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 79.483+/-0.017 χ^2/NDF: 1653786.3/25

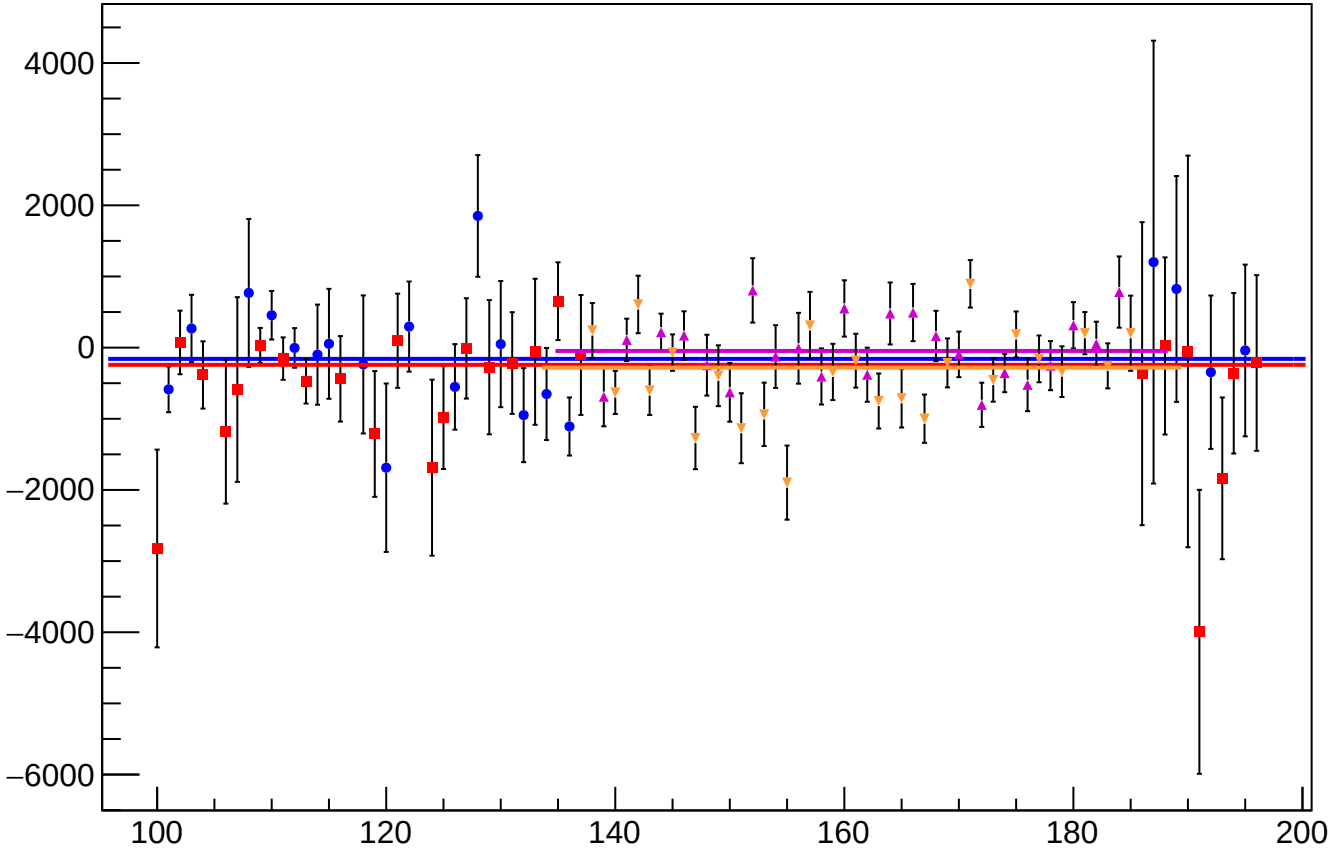
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 73.921+/-0.010 χ^2/NDF: 1759973.5/44

All: 74.549+/-0.007 χ^2/NDF: 4028813.3/93

- sign 75.180+/-0.010 χ^2/NDF: 2260742.1/48

asym_sam7_dit_correction_mean vs Slug



Right In: -158.076+/-126.321 χ^2/NDF: 23.2/19

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -241.448+/-117.227 χ^2/NDF: 19.2/25

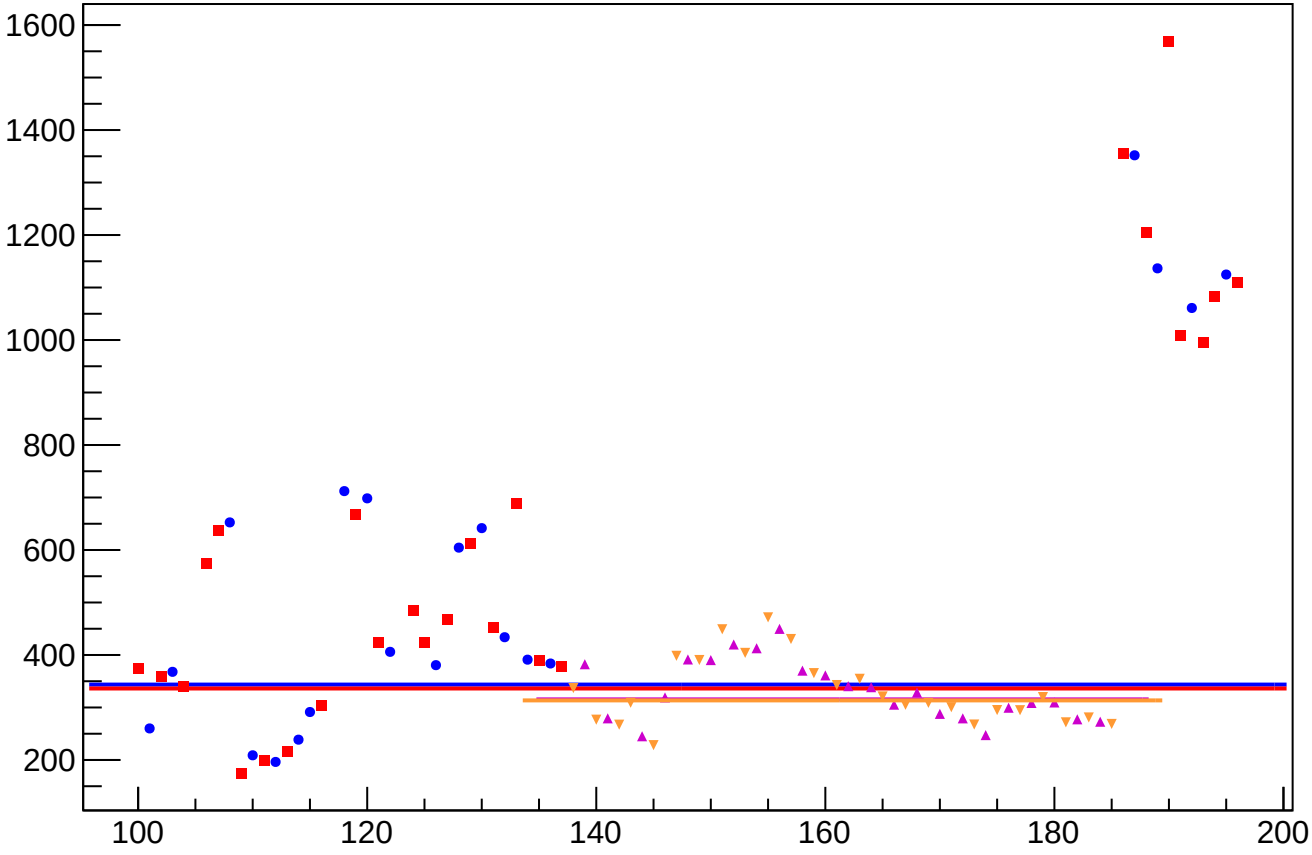
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.672+/-62.904 χ^2/NDF: 80.8/44

All: -177.112+/-44.554 χ^2/NDF: 135.5/93

- sign -103.060+/-63.115 χ^2/NDF: 52.0/48

asym_sam7_dit_correction_rms vs Slug



Right In: 343.613+/-0.089 χ^2/NDF: 4651313.6/19

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 336.168+/-0.083 χ^2/NDF: 7151520.0/25

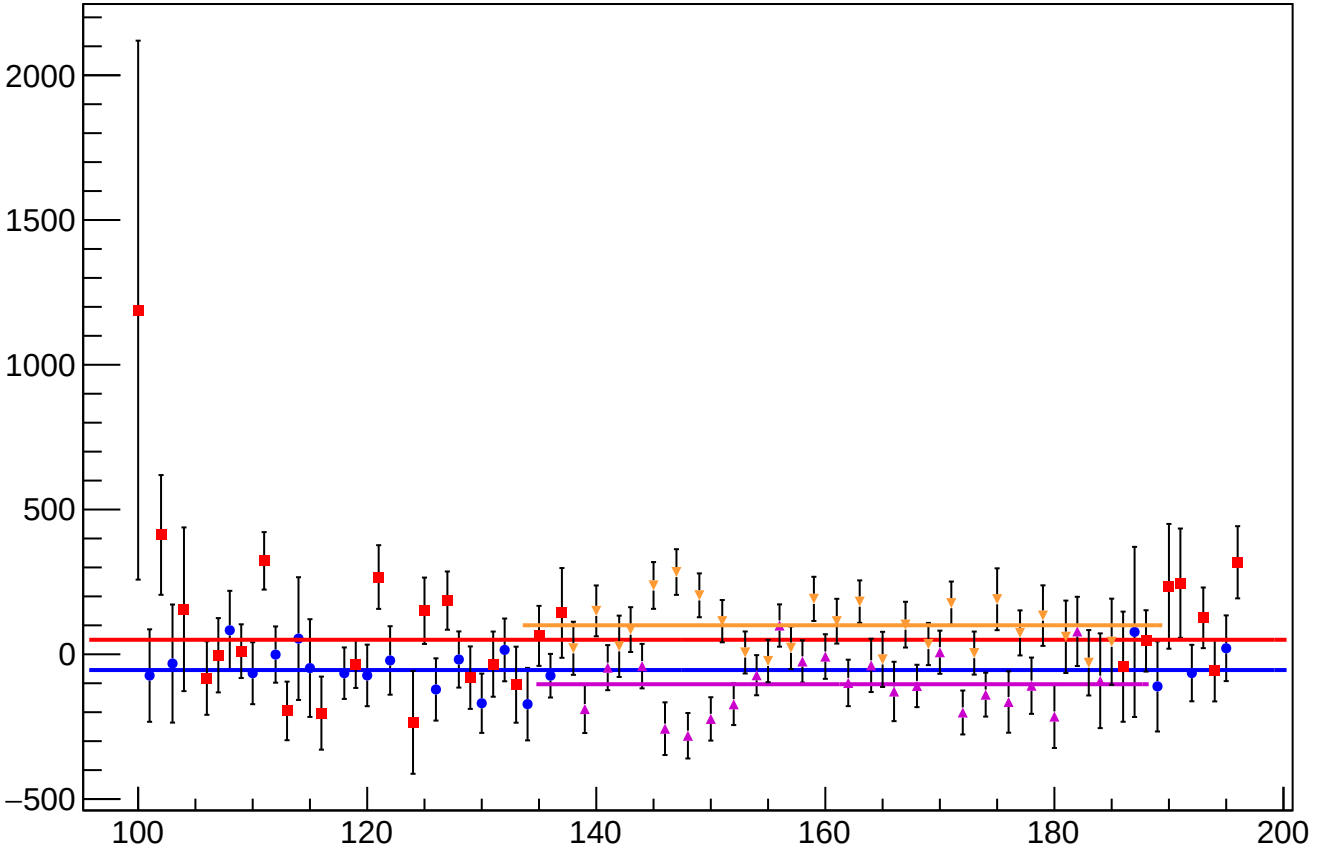
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 320.967+/-0.044 χ^2/NDF: 5912313.6/44

All: 321.213+/-0.032 χ^2/NDF: 14116757.9/93

- sign 321.459+/-0.045 χ^2/NDF: 8204383.3/48

eigen_dit_asym_sam7_mean vs Slug



Right In: -54.405+/-25.793 χ^2/NDF: 5.7/19

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 50.169+/-23.965 χ^2/NDF: 45.6/25

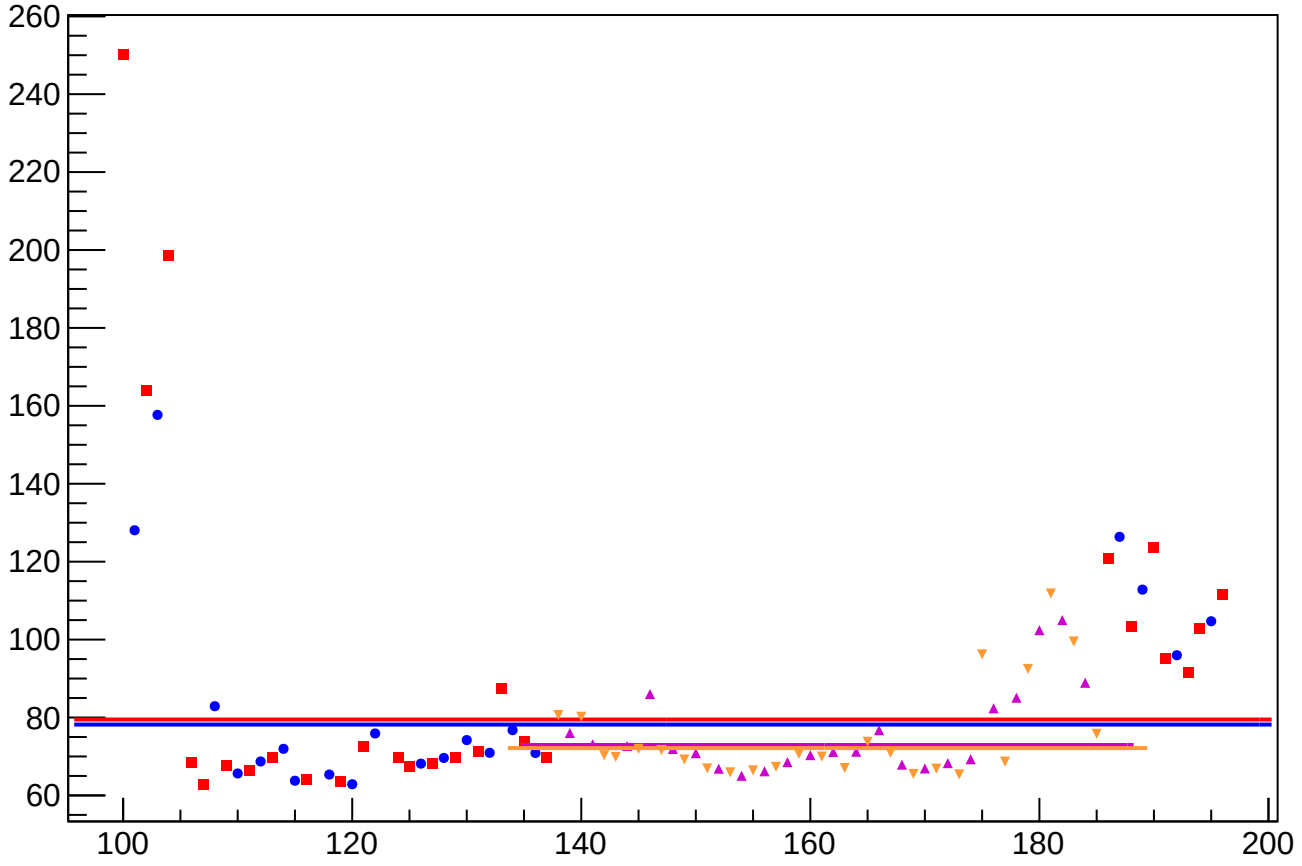
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 54.874+/-13.974 χ^2/NDF: 58.8/44

All: 2.097+/-9.892 χ^2/NDF: 192.8/93

- sign -50.923+/-14.006 χ^2/NDF: 105.4/48

eigen_dit_asym_sam7_rms vs Slug



Right In: 78.186+/-0.018 χ^2/NDF: 1040621.1/19

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

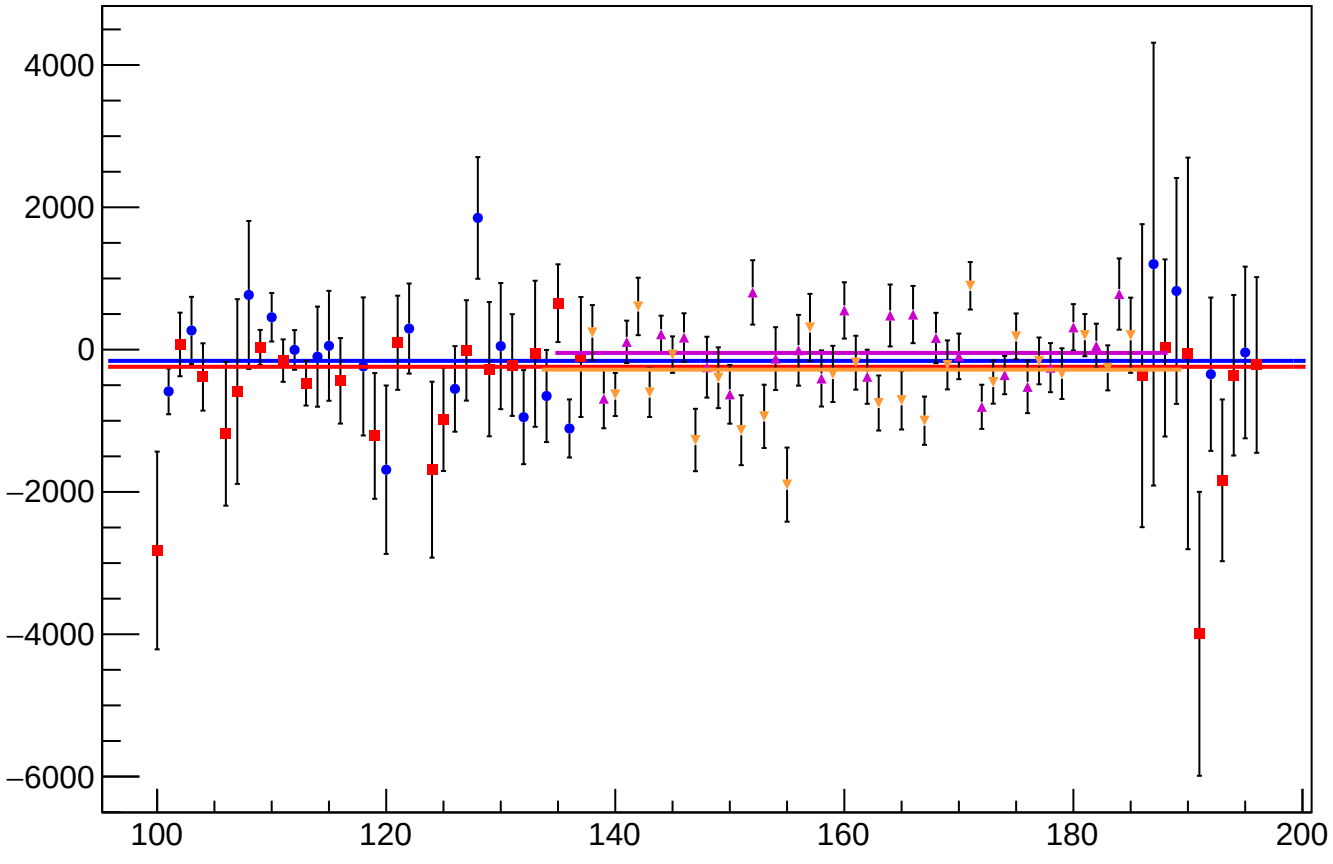
Right Out: 79.483+/-0.017 χ^2/NDF: 1653783.1/25

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 73.921+/-0.010 χ^2/NDF: 1759975.6/44

All: 74.549+/-0.007 χ^2/NDF: 4028808.4/93

- sign 75.180+/-0.010 χ^2/NDF: 2260735.2/48



Right In: -158.075+/-126.321 χ^2/NDF: 23.2/19

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -241.446+/-117.226 χ^2/NDF: 19.2/25

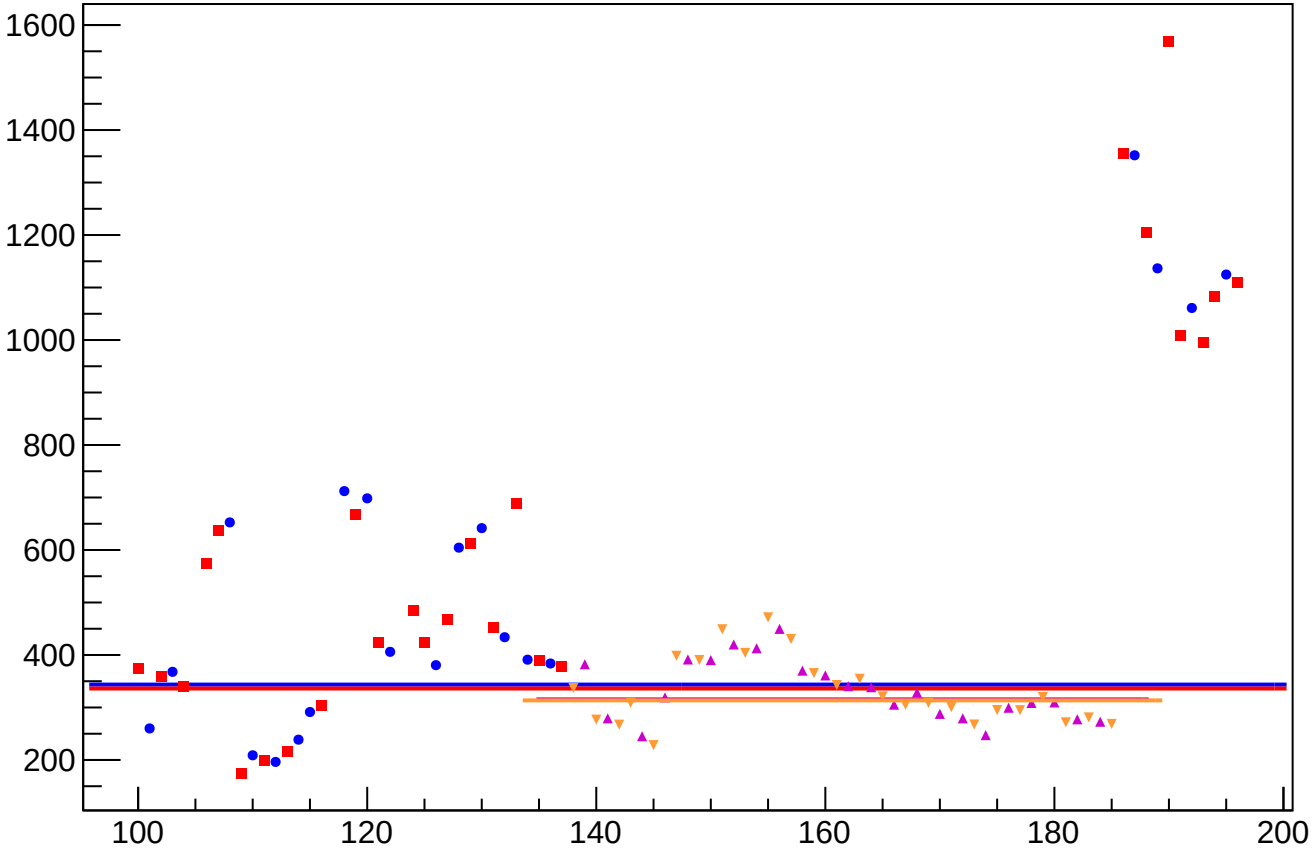
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.671+/-62.904 χ^2/NDF: 80.8/44

All: -177.112+/-44.554 χ^2/NDF: 135.5/93

- sign -103.059+/-63.115 χ^2/NDF: 52.0/48

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 343.610+/-0.089 χ^2/NDF: 4651362.9/19

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 336.167+/-0.083 χ^2/NDF: 7151547.8/25

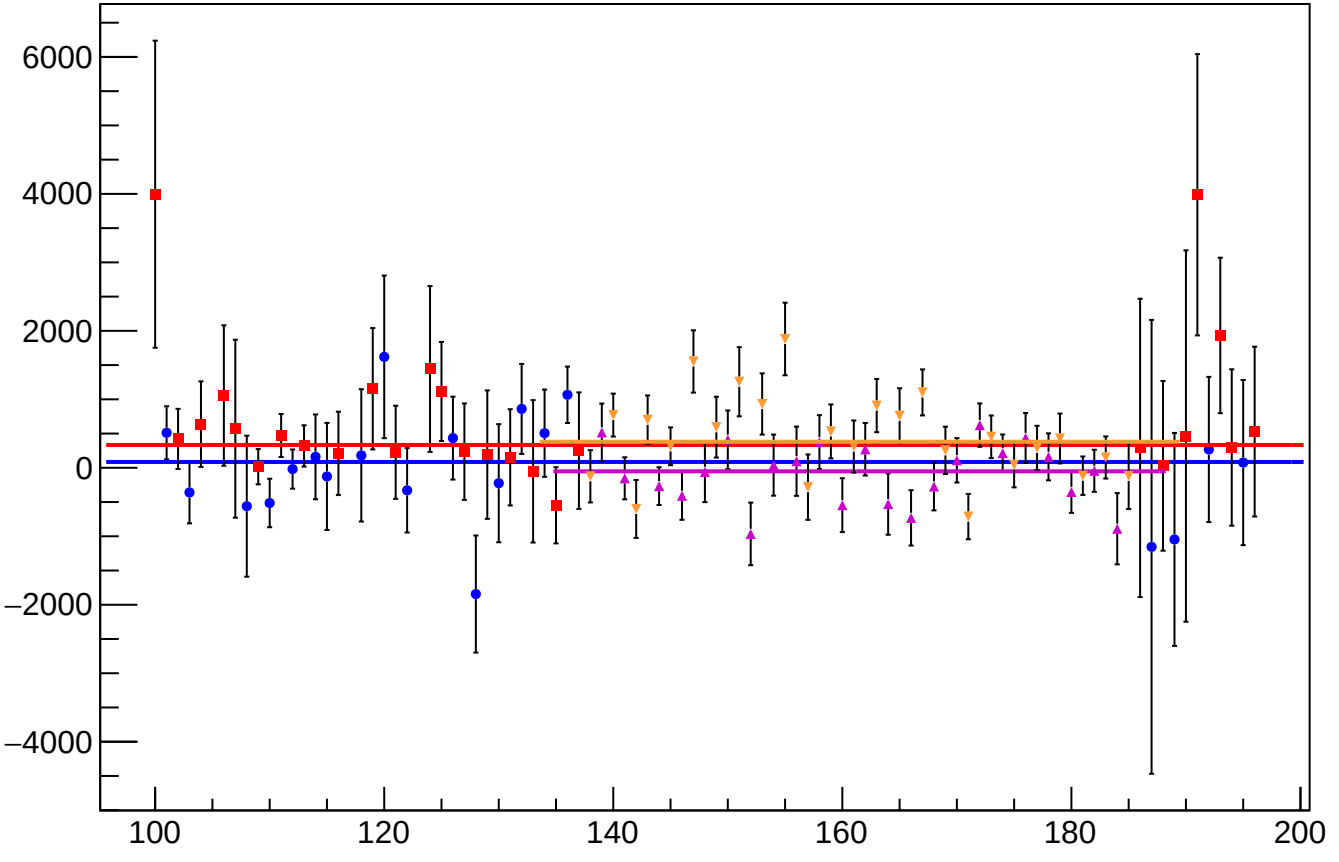
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 320.967+/-0.044 χ^2/NDF: 5912353.6/44

All: 321.212+/-0.032 χ^2/NDF: 14116816.2/93

- sign 321.459+/-0.045 χ^2/NDF: 8204401.5/48

asym_sam7_mean vs Slug



Right In: 85.412+/-129.600 χ^2/NDF: 21.5/19

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 333.226+/-120.779 χ^2/NDF: 16.1/25

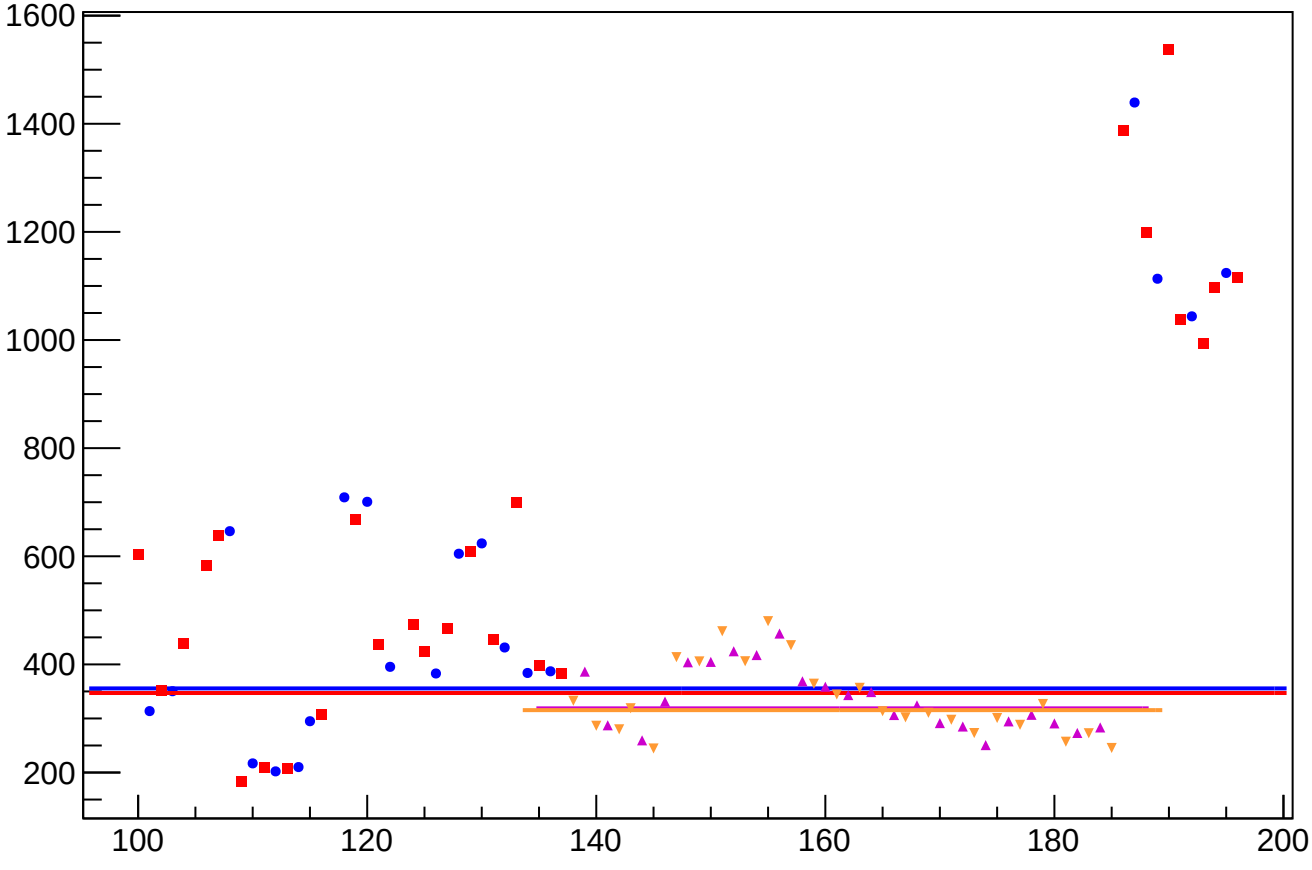
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 309.436+/-63.641 χ^2/NDF: 80.9/44

All: 184.064+/-45.162 χ^2/NDF: 140.3/93

- sign 56.881+/-64.099 χ^2/NDF: 51.6/48

asym_sam7_rms vs Slug



Right In: 355.594+/-0.092 χ^2/NDF: 4386693.6/19

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

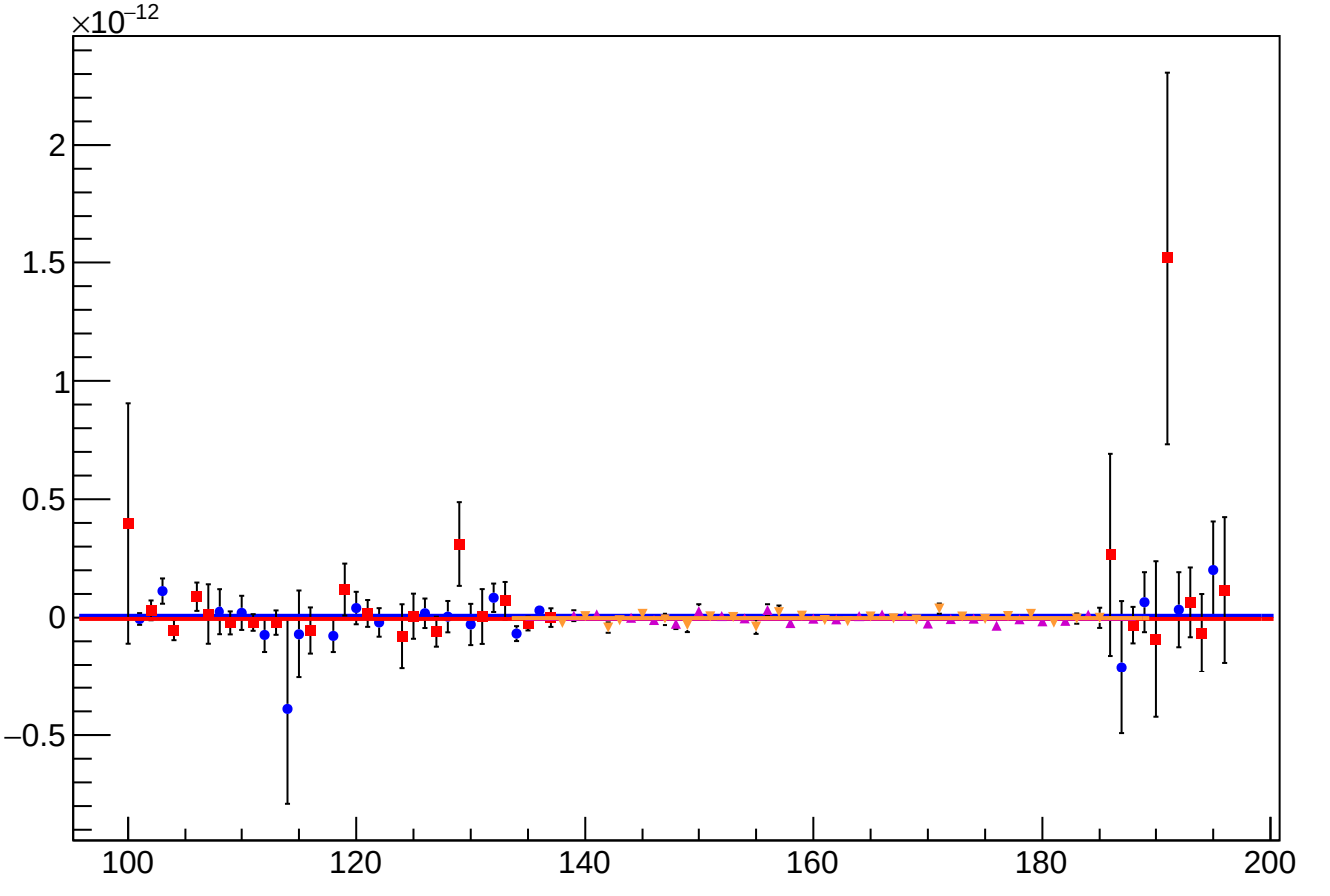
Right Out: 347.083+/-0.085 χ^2/NDF: 7040653.5/25

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 325.089+/-0.045 χ^2/NDF: 5742814.7/44

All: 325.882+/-0.032 χ^2/NDF: 13855102.8/93

- sign 326.686+/-0.045 χ^2/NDF: 8111663.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

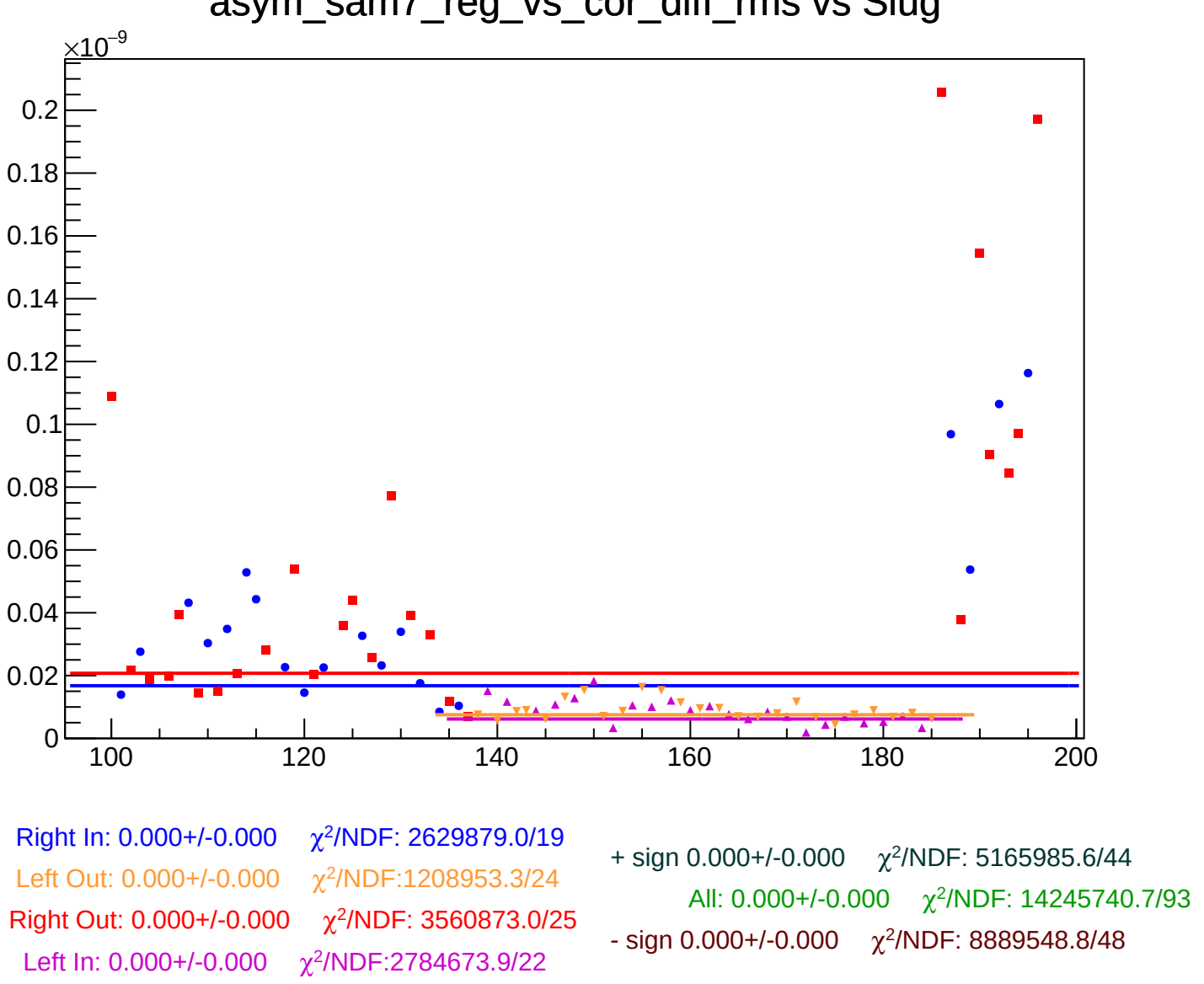
Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/25

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

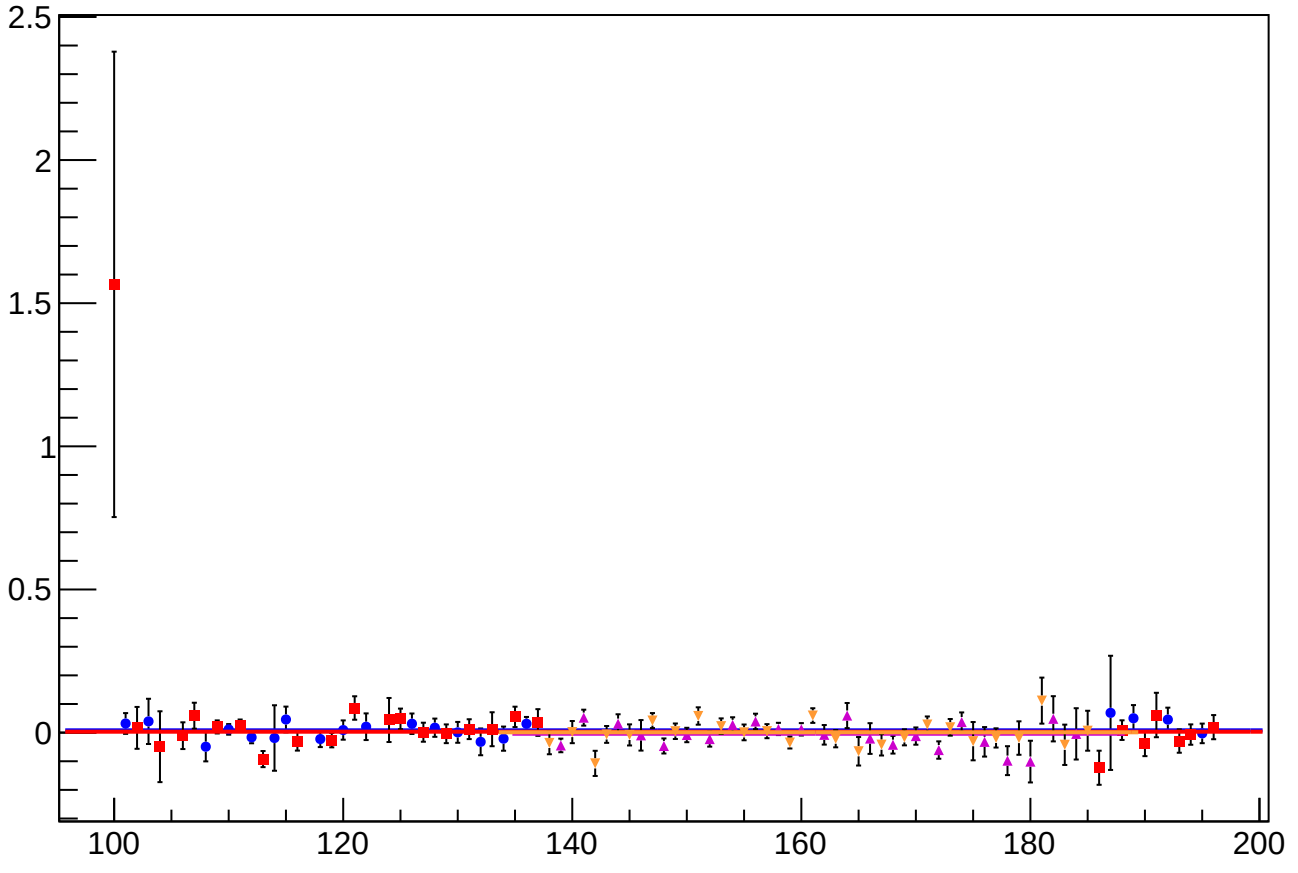
+ sign -0.000+/-0.000 χ^2/NDF: 39.2/44

All: -0.000+/-0.000 χ^2/NDF: 75.2/93

- 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: 2629879.0/19
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: 5165985.6/44
All: 0.000+/-0.000 χ²/NDF: 14245740.7/93
- sign 0.000+/-0.000 χ²/NDF: 8889548.8/48

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

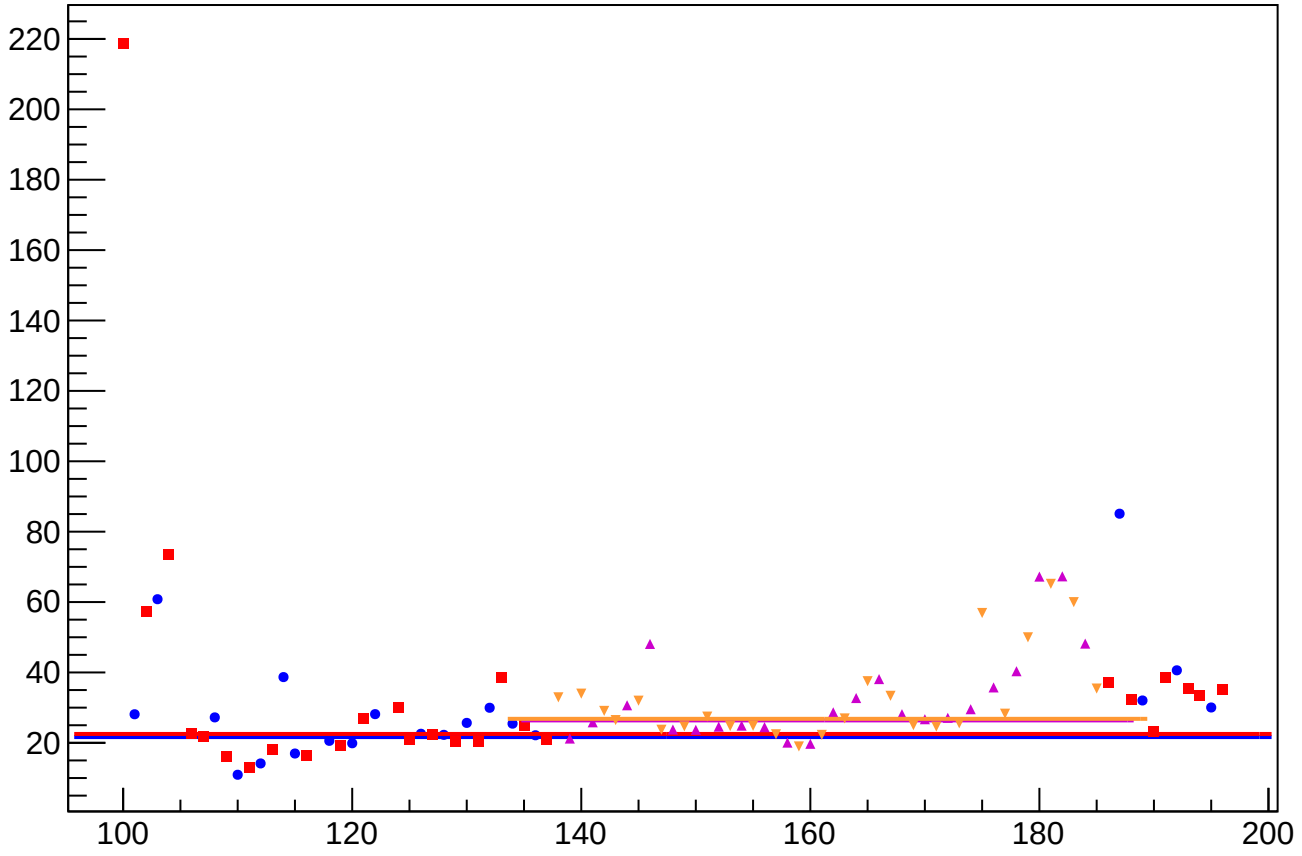
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.6/93

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 21.639+/-0.005 χ^2/NDF: 2560059.3/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.523+/-0.005 χ^2/NDF: 2856705.7/25

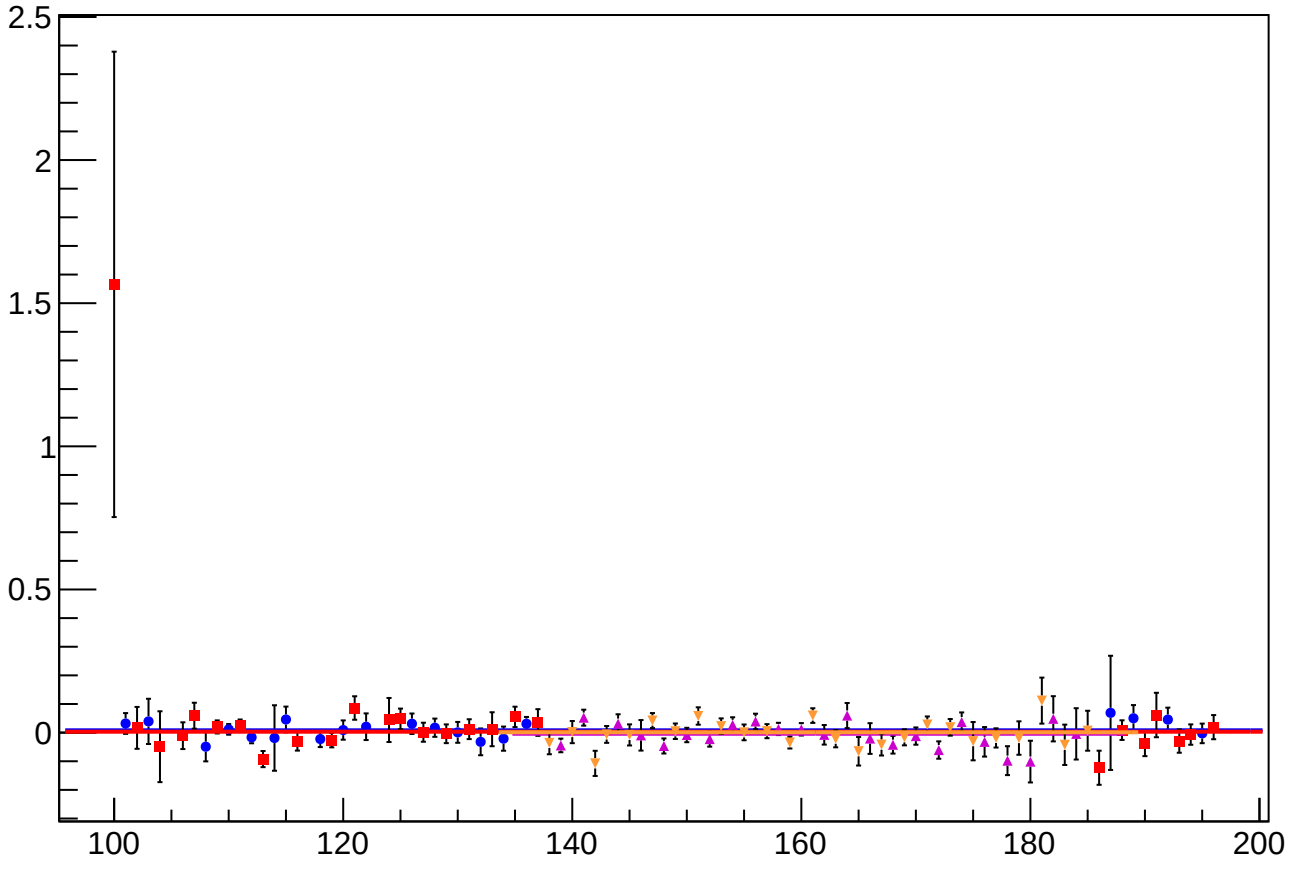
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.663+/-0.004 χ^2/NDF: 5559768.7/44

All: 24.645+/-0.002 χ^2/NDF: 11291927.1/93

- sign 24.628+/-0.003 χ^2/NDF: 5732106.6/48

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

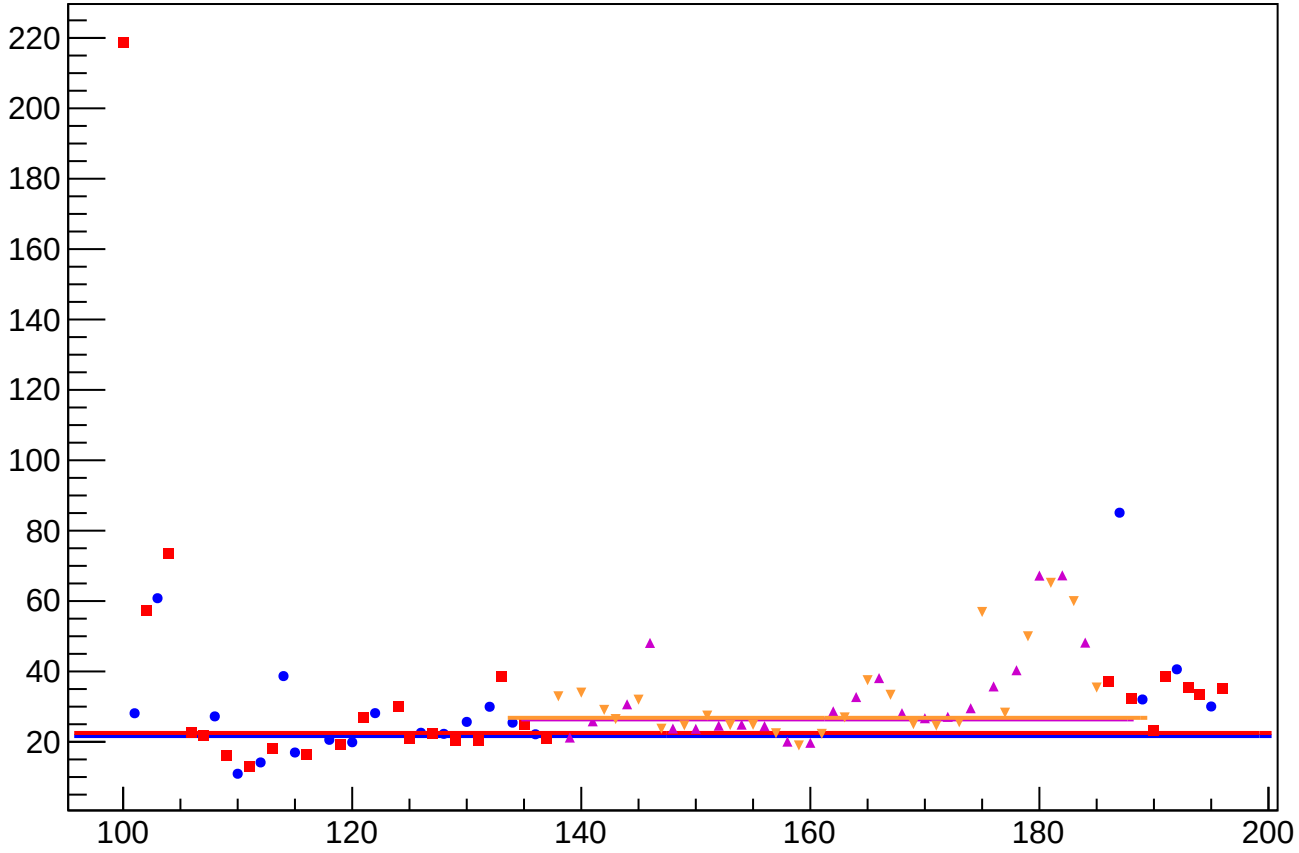
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.6/93

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.639+/-0.005 χ^2/NDF: 2560059.3/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

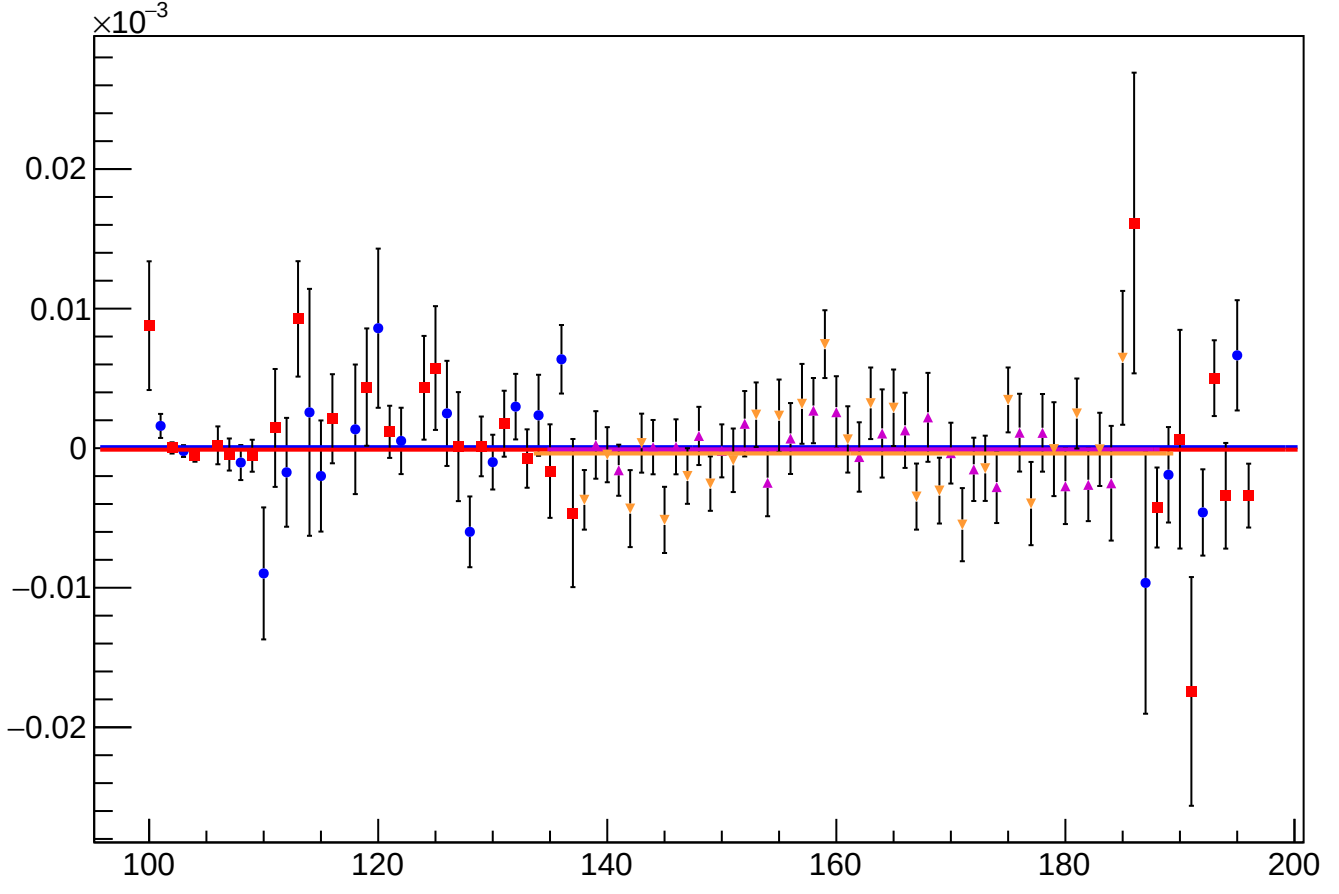
Right Out: 22.523+/-0.005 χ^2/NDF: 2856705.7/25

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.663+/-0.004 χ^2/NDF: 5559768.7/44

All: 24.645+/-0.002 χ^2/NDF: 11291927.1/93

- sign 24.628+/-0.003 χ^2/NDF: 5732106.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/25

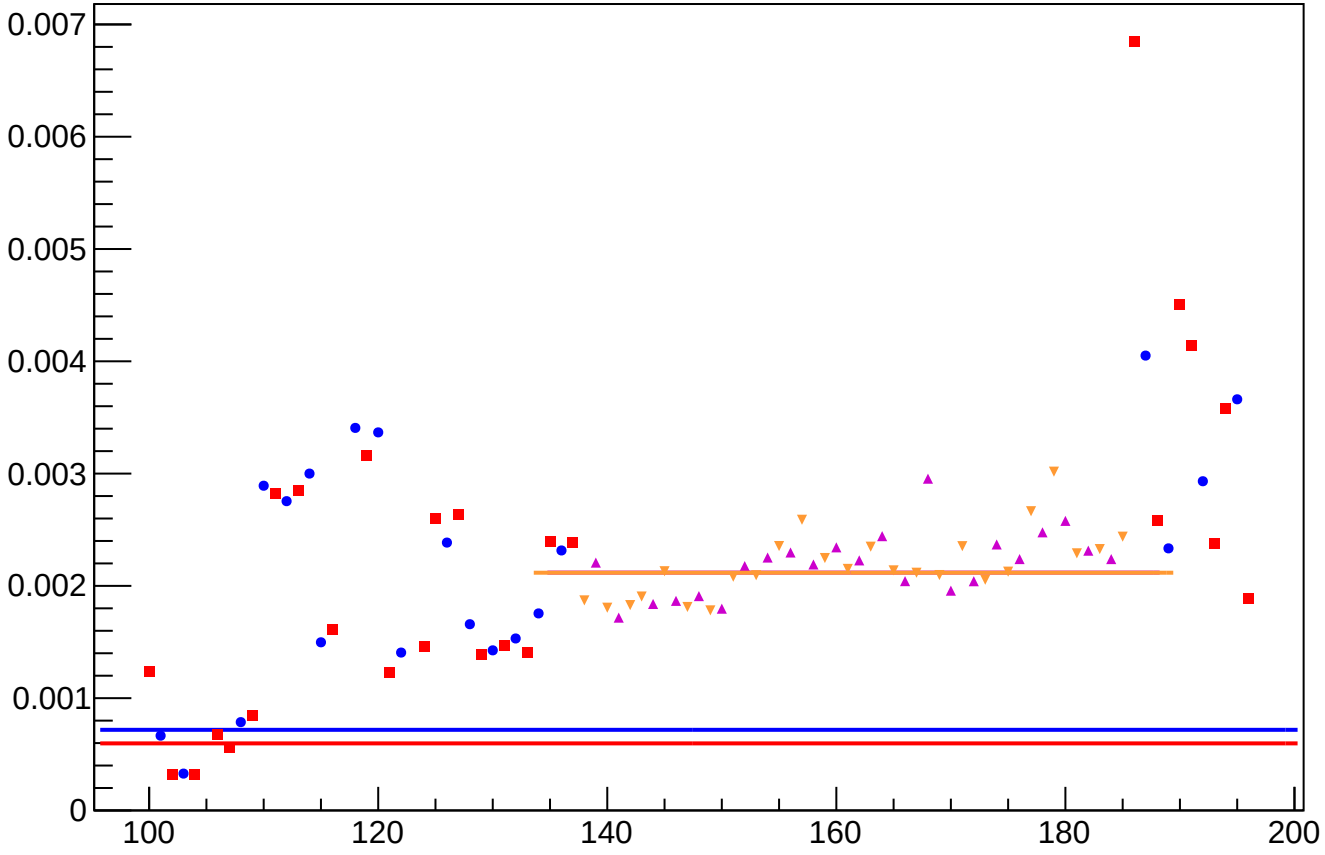
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/44

All: -0.000+/-0.000 χ^2/NDF: 118.8/93

- 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: 9271581.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12083715.3/25

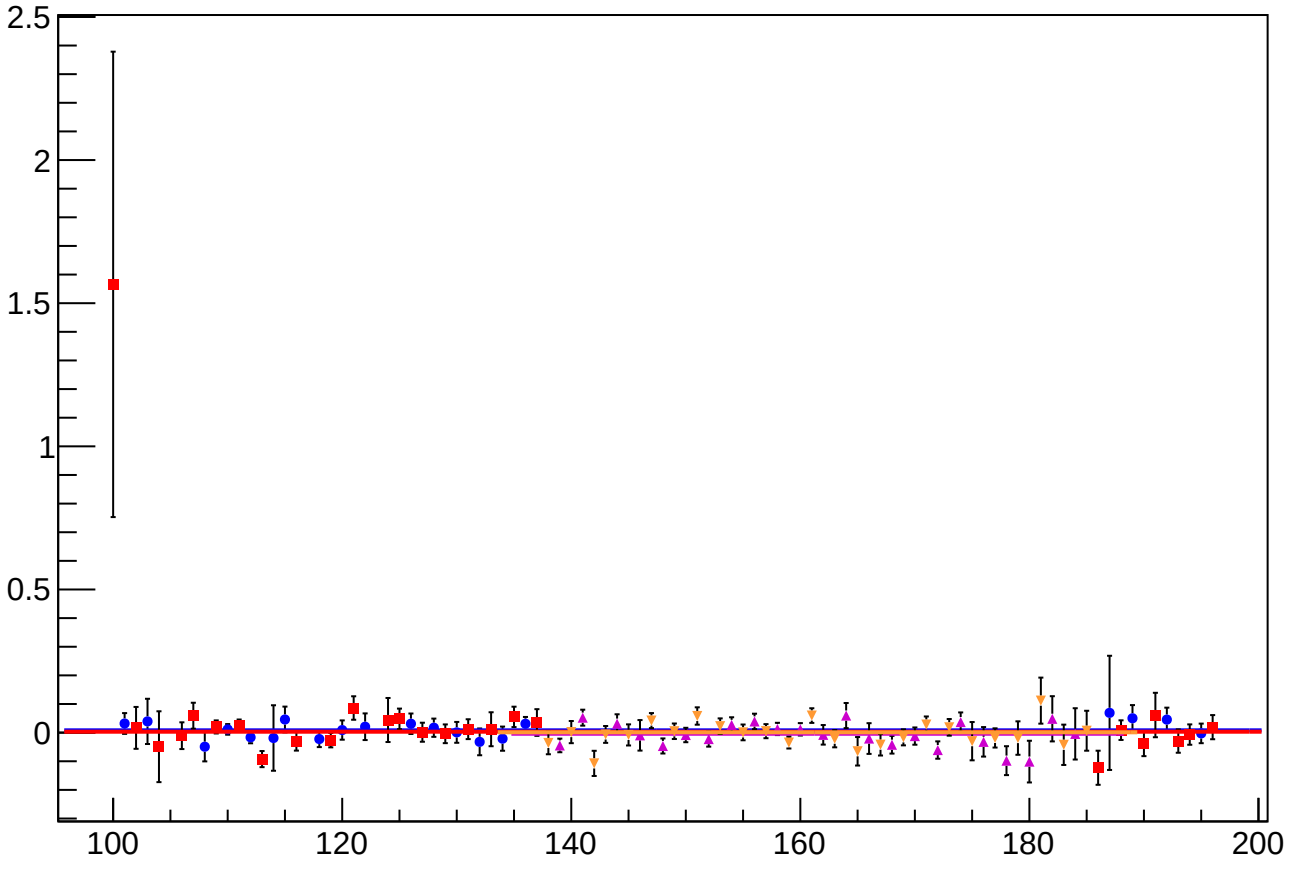
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 21212070.1/44

All: 0.001+/-0.000 χ^2/NDF: 49497697.3/93

- sign 0.001+/-0.000 χ^2/NDF: 27335975.6/48

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

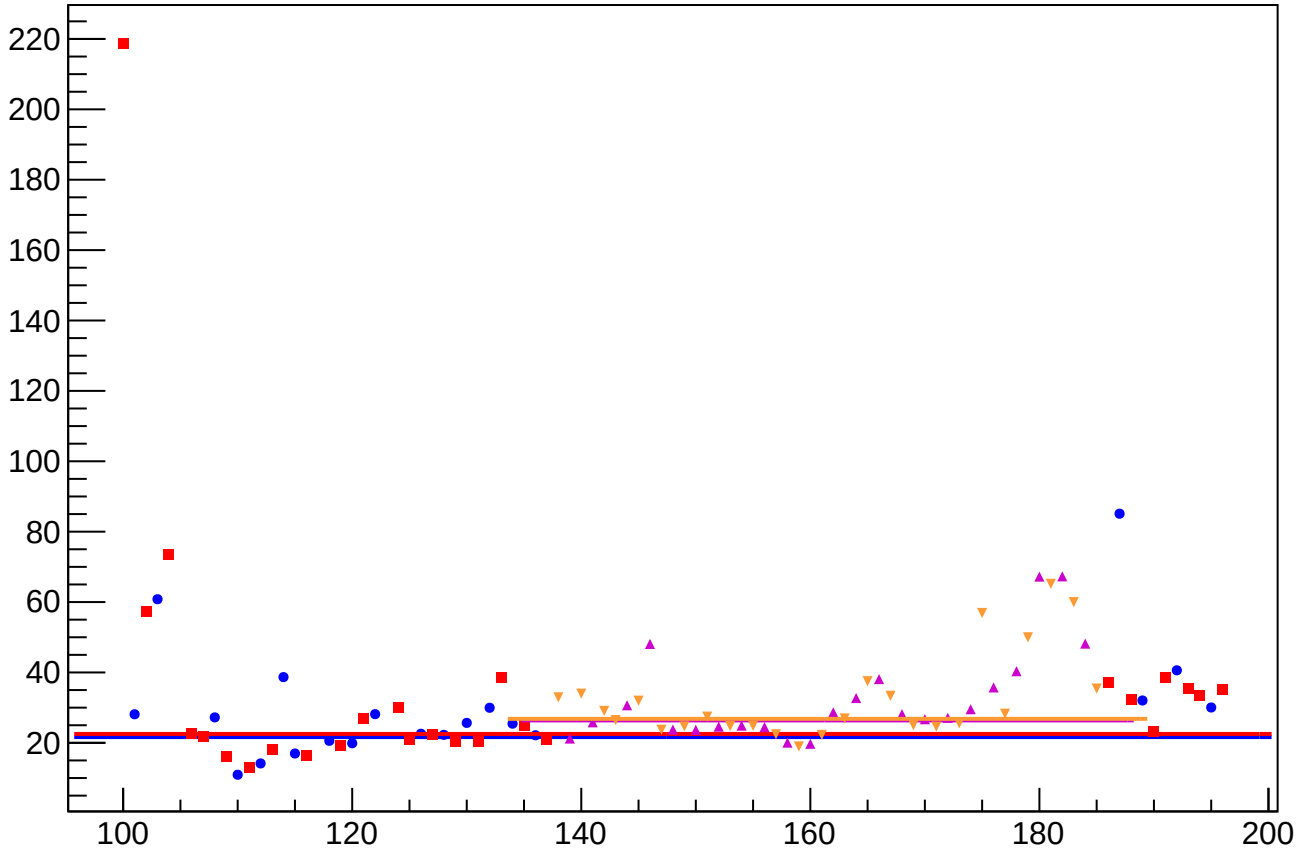
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.6/93

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.640+/-0.005 χ^2/NDF: 2559861.6/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.523+/-0.005 χ^2/NDF: 2856459.6/25

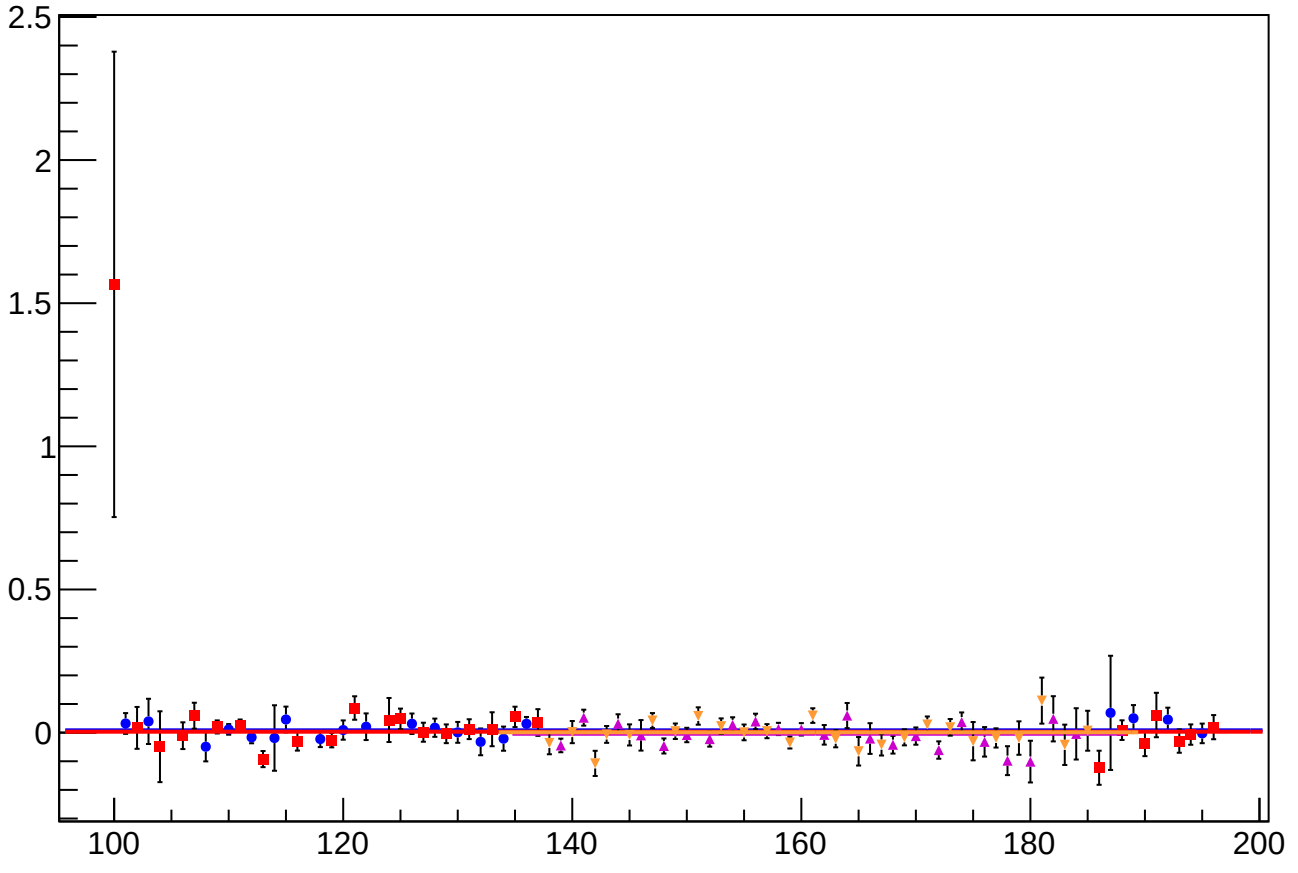
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.664+/-0.004 χ^2/NDF: 5559514.1/44

All: 24.646+/-0.002 χ^2/NDF: 11291493.7/93

- sign 24.628+/-0.003 χ^2/NDF: 5731927.1/48

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

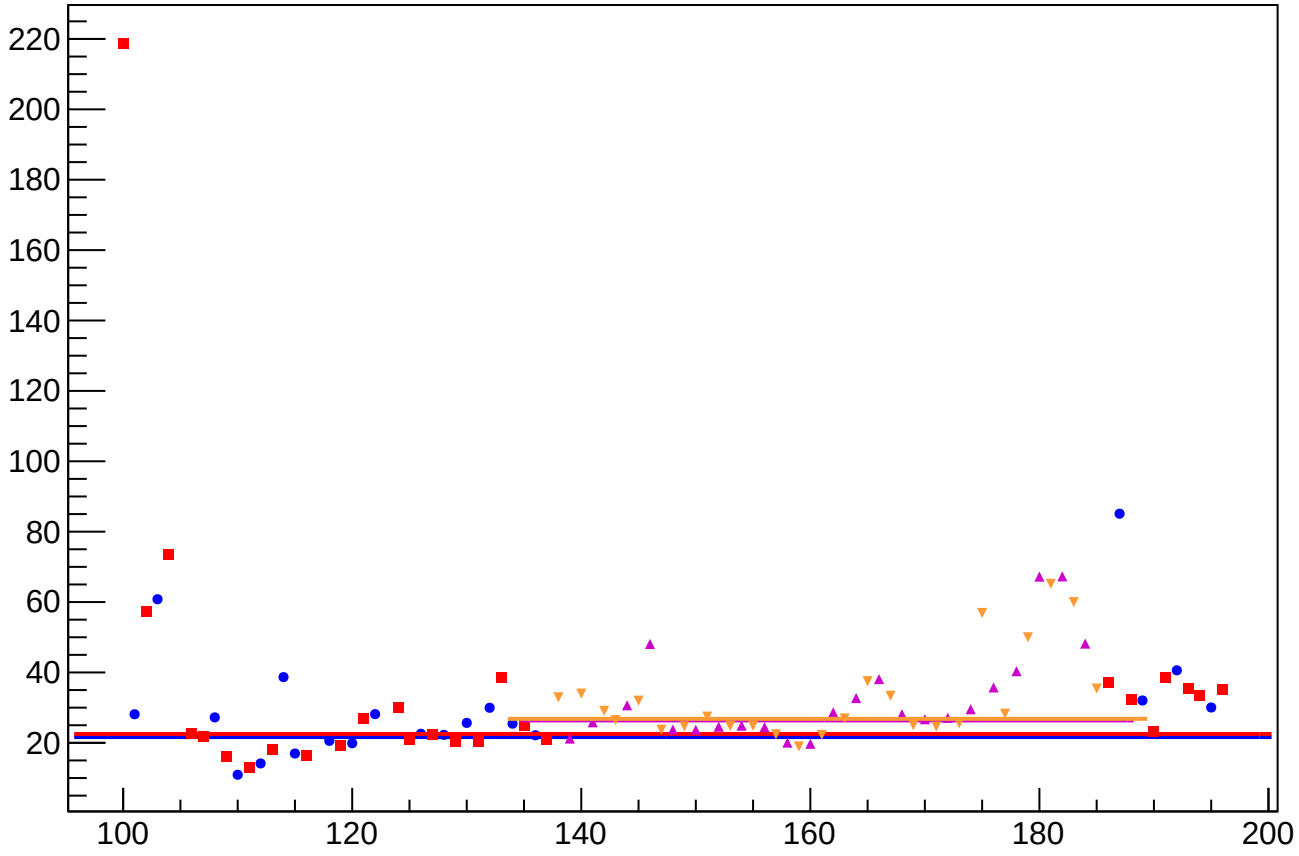
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.6/93

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.640+/-0.005 χ^2/NDF: 2559861.6/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

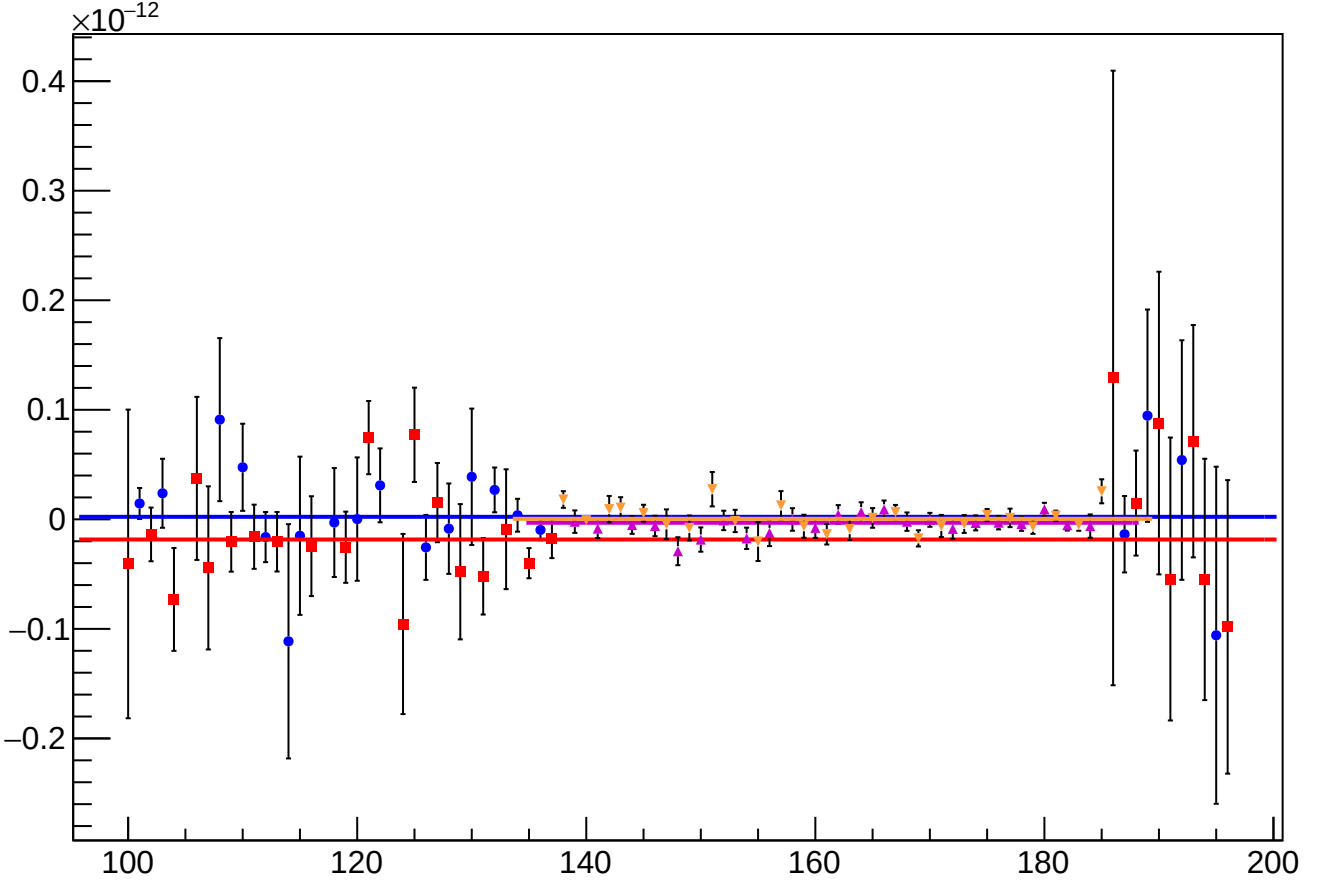
Right Out: 22.523+/-0.005 χ^2/NDF: 2856459.6/25

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.664+/-0.004 χ^2/NDF: 5559514.1/44

All: 24.646+/-0.002 χ^2/NDF: 11291493.7/93

- sign 24.628+/-0.003 χ^2/NDF: 5731927.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

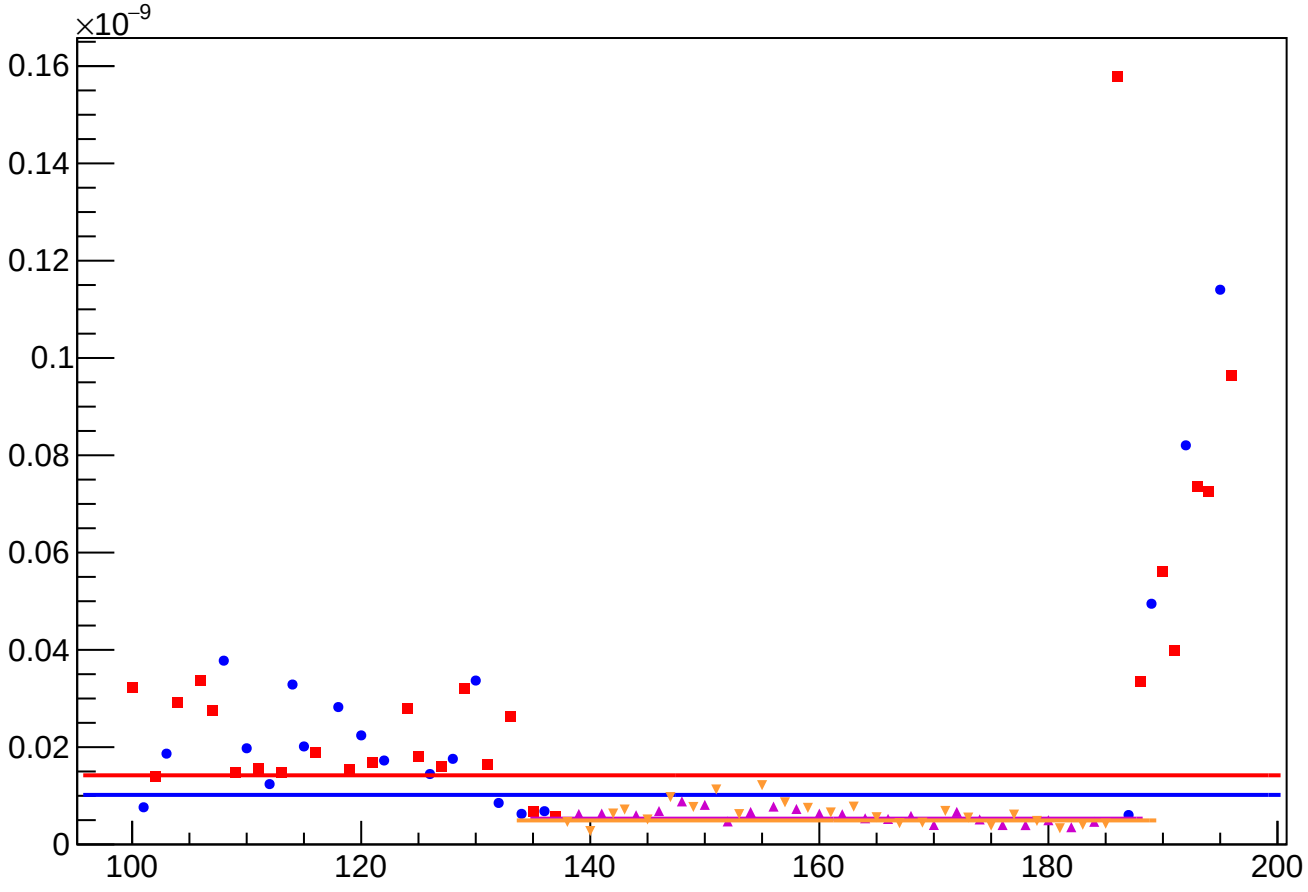
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/25

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/44

All: -0.000+/-0.000 χ^2/NDF: 96.2/93

- sign -0.000+/-0.000 χ^2/NDF: 46.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4116834.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936442.2/25

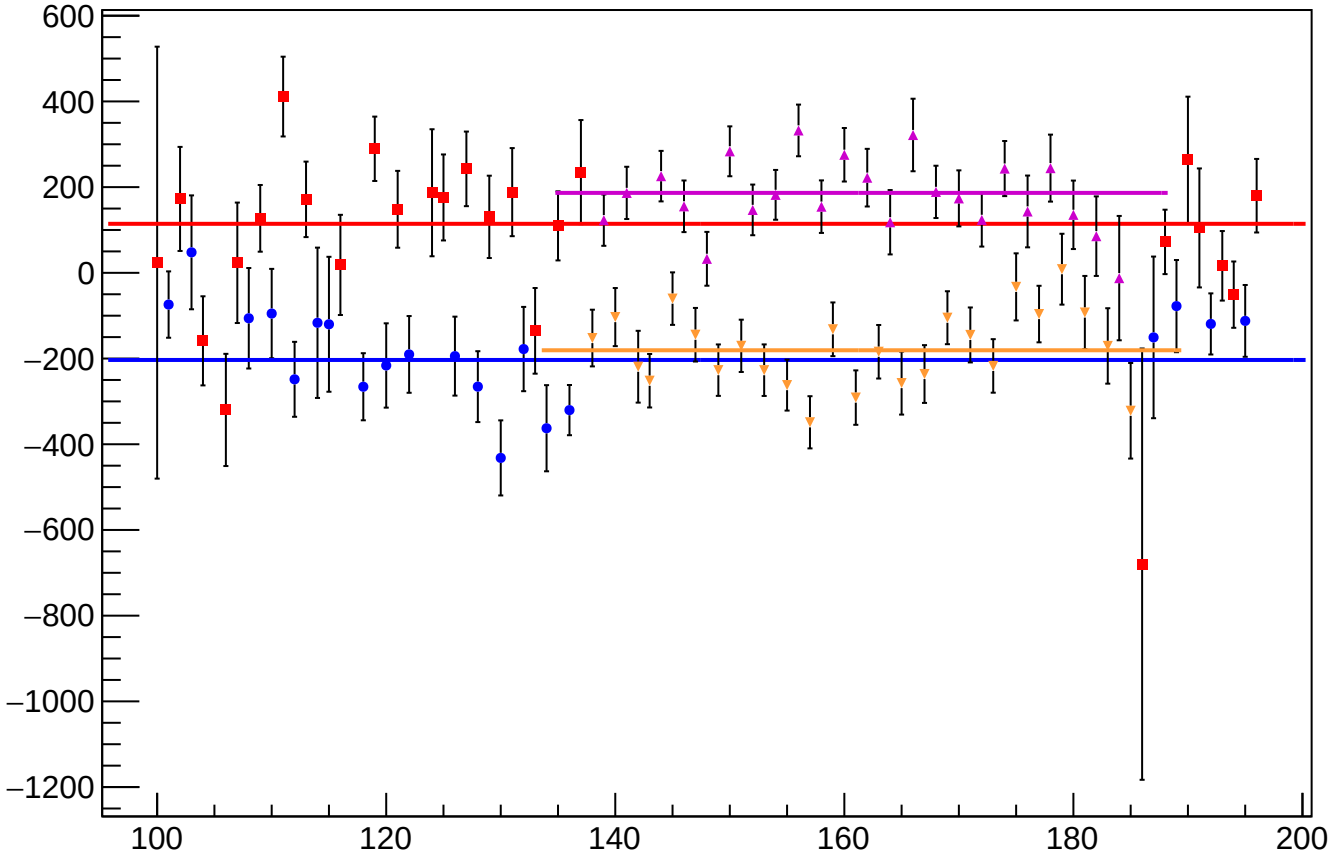
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8483037.8/44

All: 0.000+/-0.000 χ^2/NDF: 17888389.6/93

- sign 0.000+/-0.000 χ^2/NDF: 9314418.9/48

reg_asym_sam8_mean vs Slug



Right In: -203.316+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.392+/-19.639 χ^2/NDF: 56.5/25

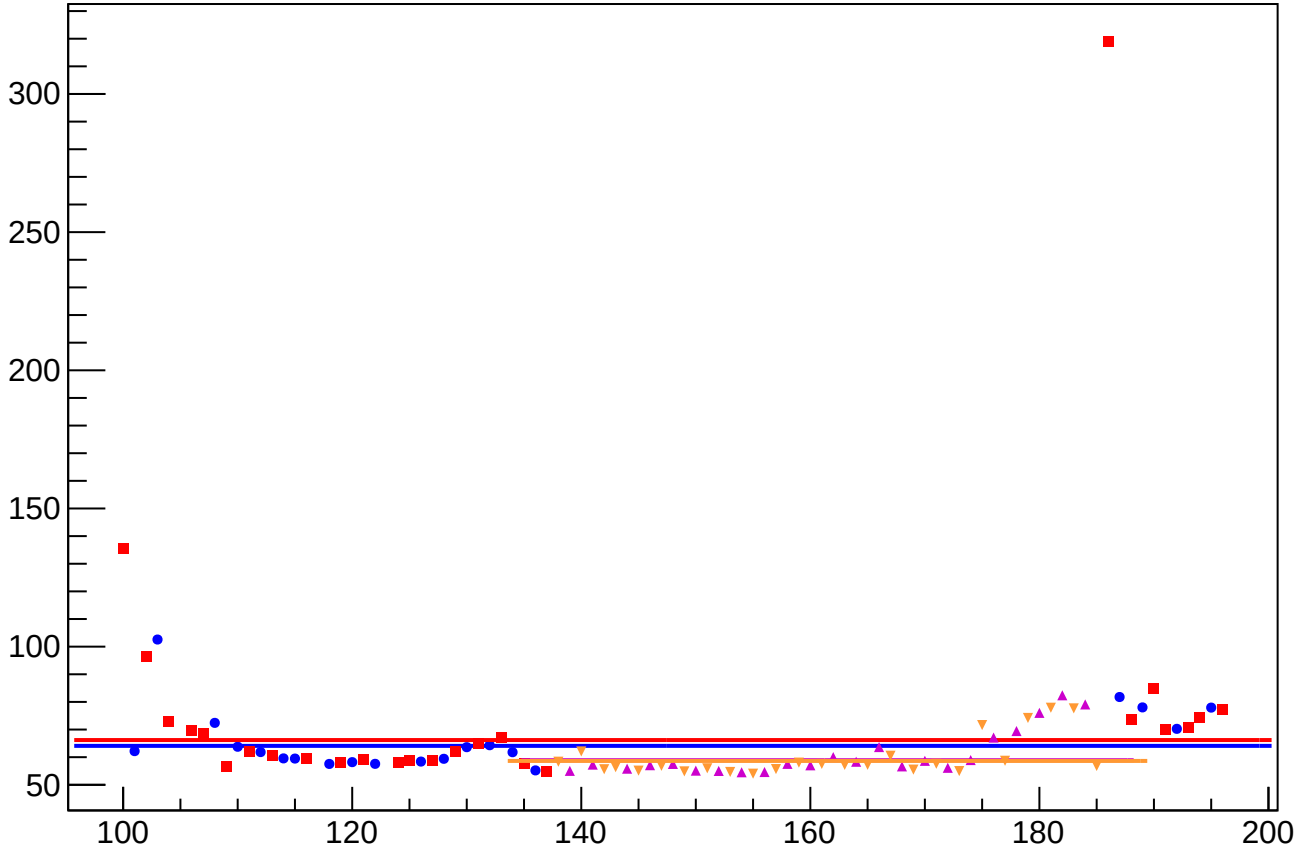
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.363+/-11.266 χ^2/NDF: 67.0/44

All: -13.289+/-7.987 χ^2/NDF: 641.4/93

- sign 162.572+/-11.324 χ^2/NDF: 94.5/48

reg_asym_sam8_rms vs Slug



Right In: 64.096+/-0.015 χ^2/NDF: 396716.6/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.199+/-0.014 χ^2/NDF: 951530.0/25

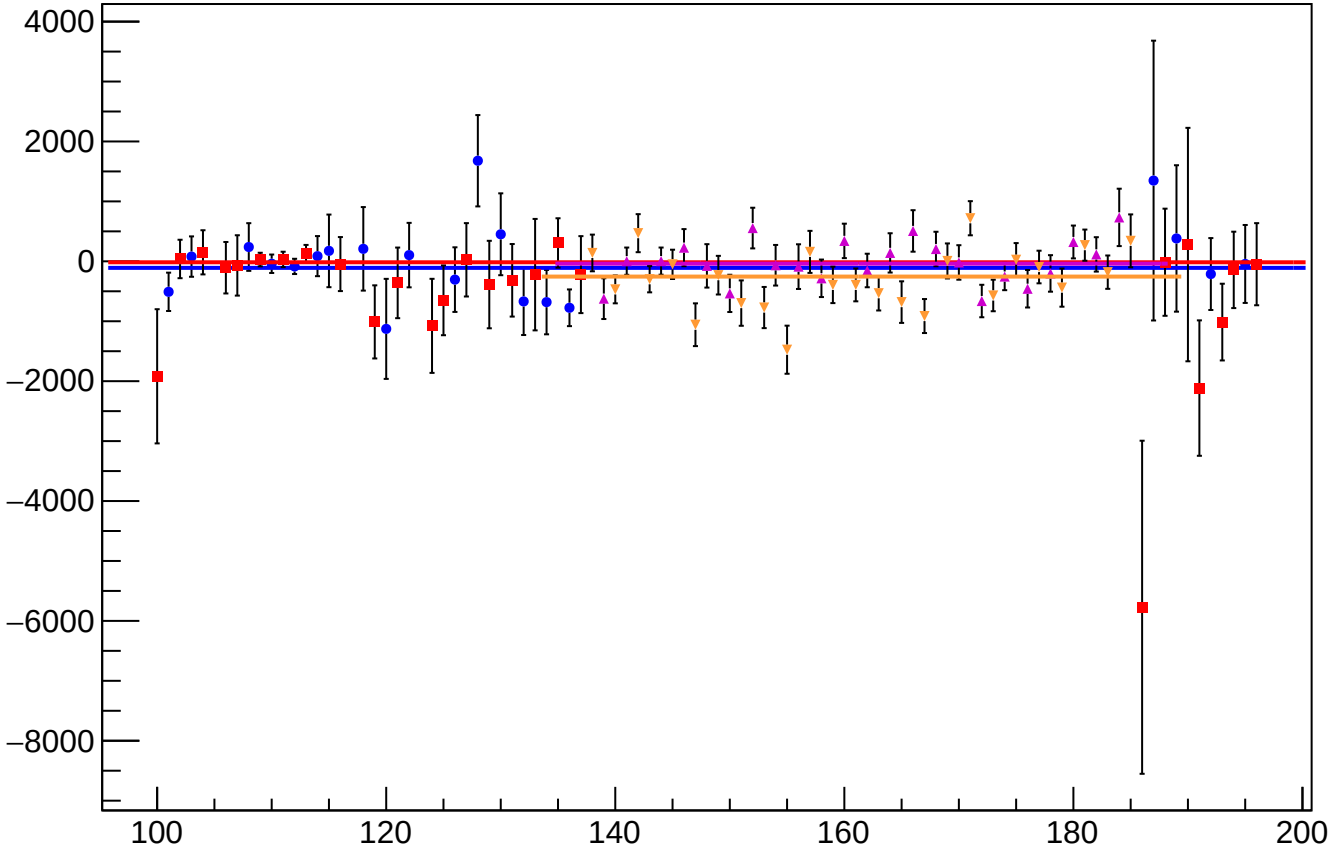
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888012.9/44

All: 60.789+/-0.006 χ^2/NDF: 2419545.3/93

- sign 61.331+/-0.008 χ^2/NDF: 1522423.5/48

asym_sam8_reg_correction_mean vs Slug



Right In: -109.188+/-74.919 χ^2/NDF: 19.0/19

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.063+/-62.731 χ^2/NDF: 22.0/25

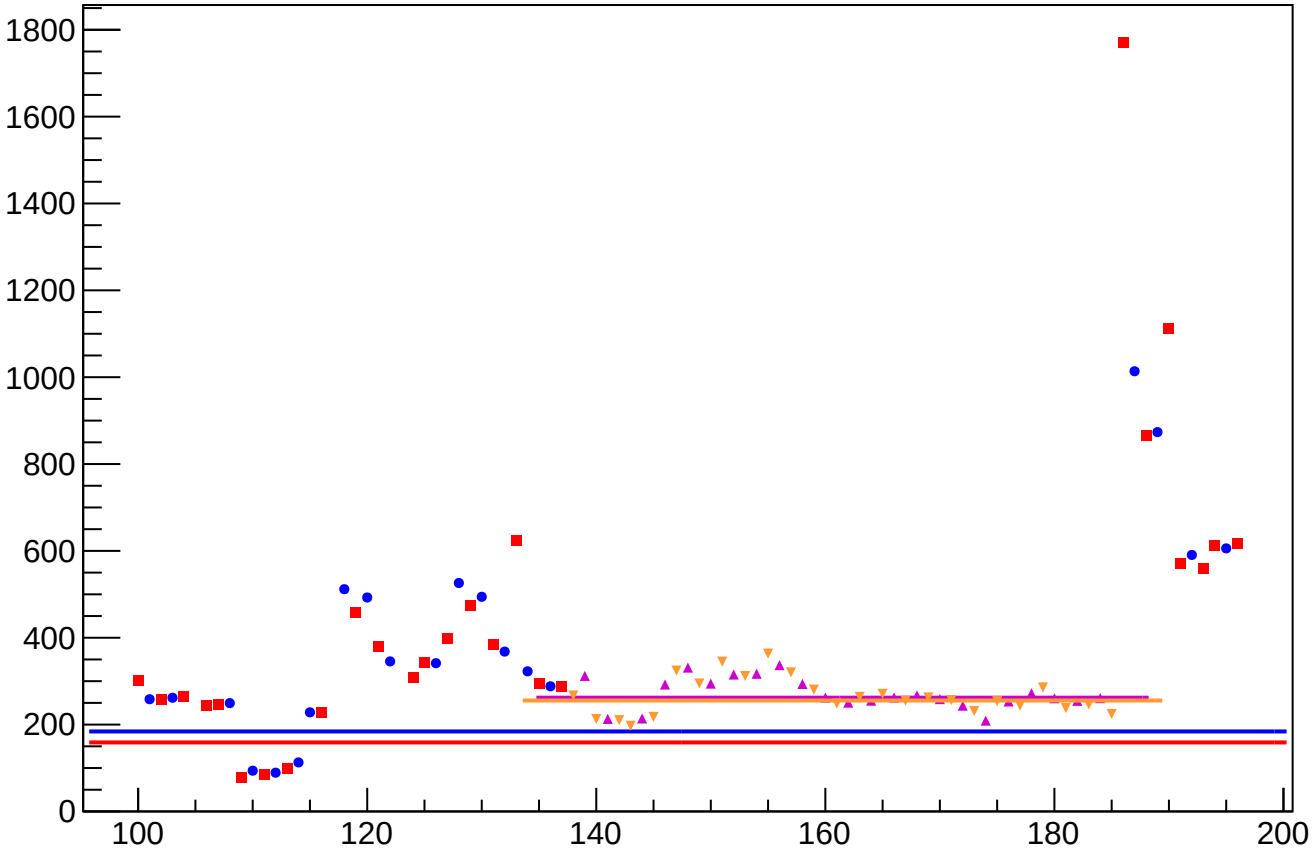
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.100+/-46.292 χ^2/NDF: 79.0/44

All: -109.190+/-31.913 χ^2/NDF: 136.6/93

- sign -27.762+/-44.055 χ^2/NDF: 50.4/48

asym_sam8_reg_correction_rms vs Slug



Right In: 184.242+/-0.053 χ^2/NDF: 7278511.9/19

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 158.960+/-0.044 χ^2/NDF: 10697784.4/25

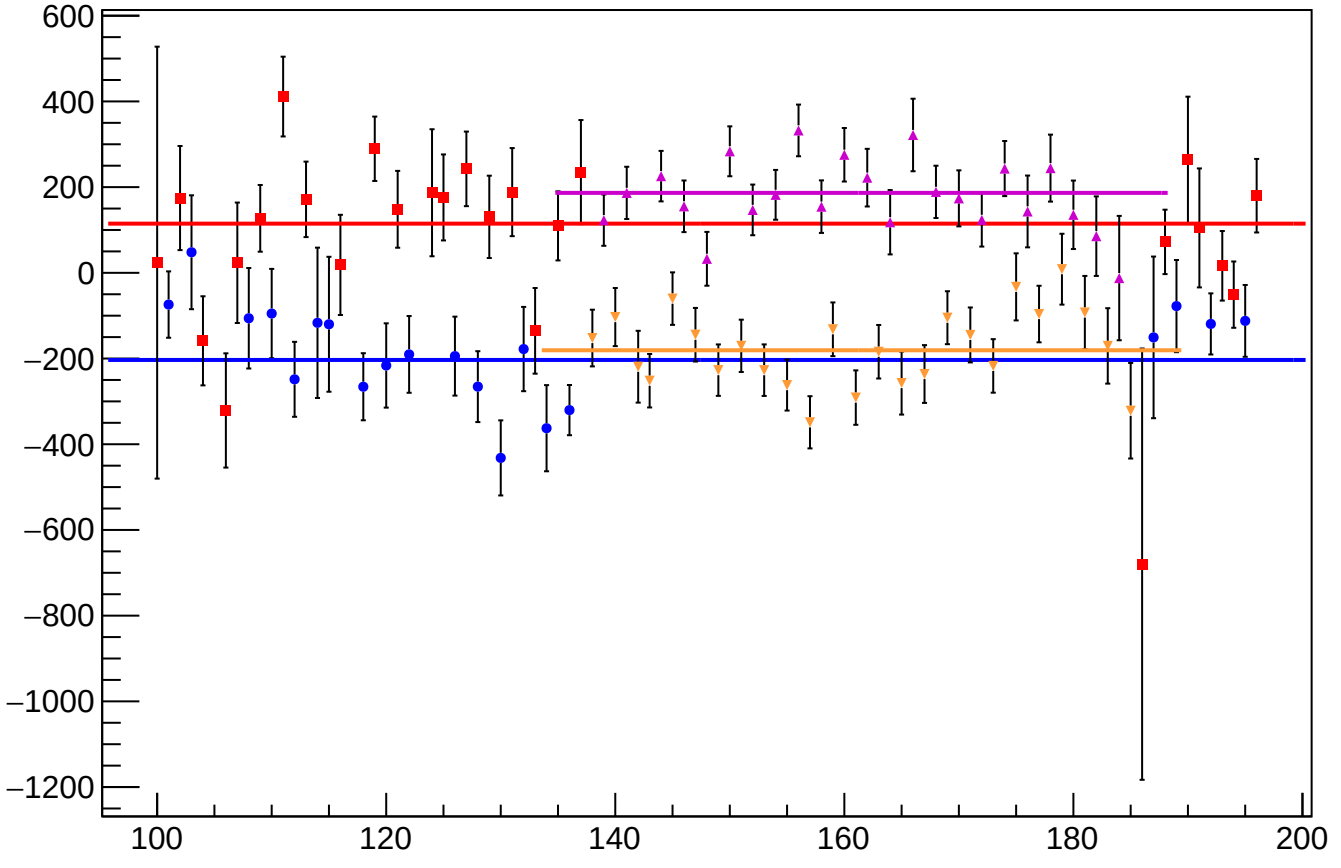
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259926.1/44

All: 219.307+/-0.023 χ^2/NDF: 23506463.1/93

- sign 211.185+/-0.031 χ^2/NDF: 14103494.4/48

cor_asym_sam8_mean vs Slug



Right In: -203.315+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.771+/-19.648 χ^2/NDF: 56.1/25

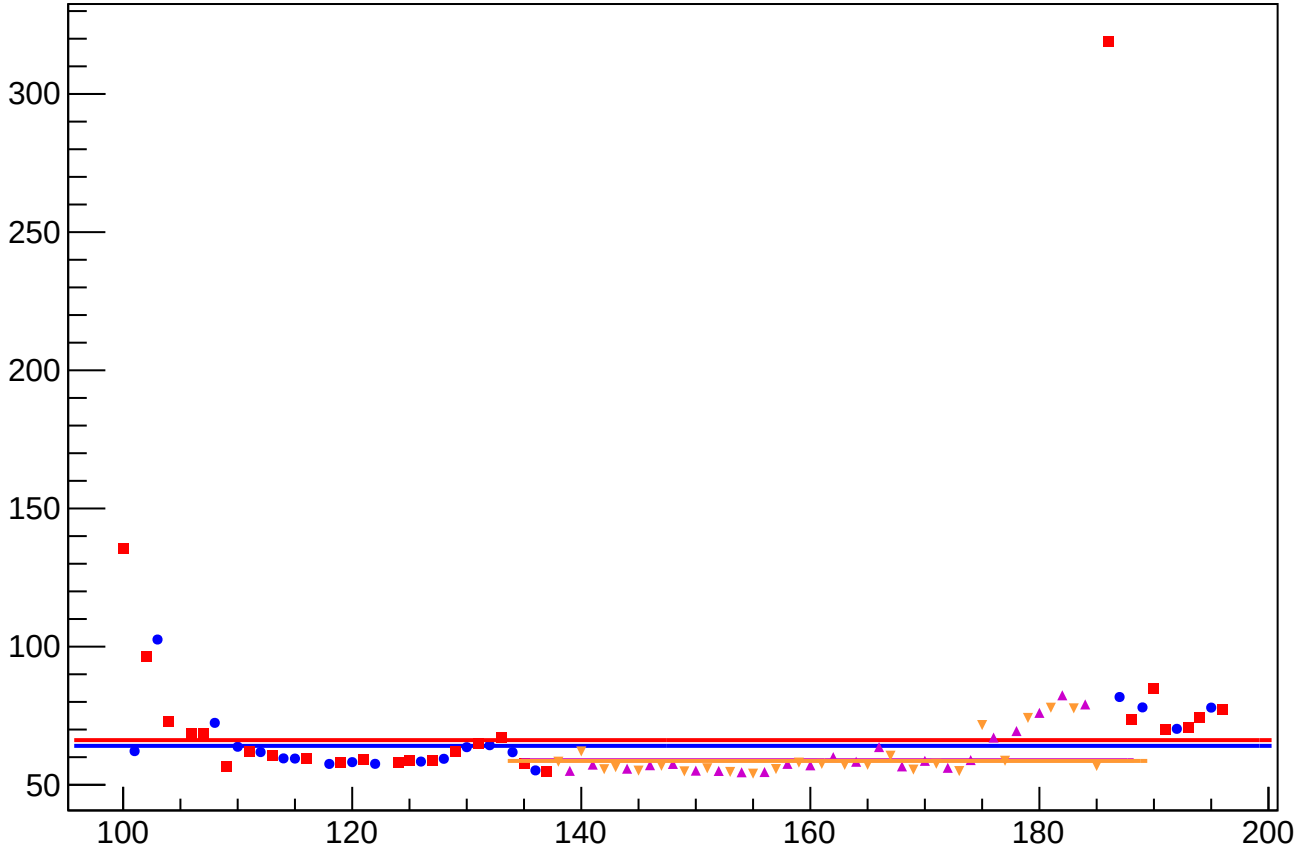
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.359+/-11.266 χ^2/NDF: 67.0/44

All: -13.241+/-7.987 χ^2/NDF: 641.3/93

- sign 162.711+/-11.325 χ^2/NDF: 94.1/48

cor_asym_sam8_rms vs Slug



Right In: 64.096+/-0.015 χ^2/NDF: 396719.1/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.171+/-0.014 χ^2/NDF: 950924.9/25

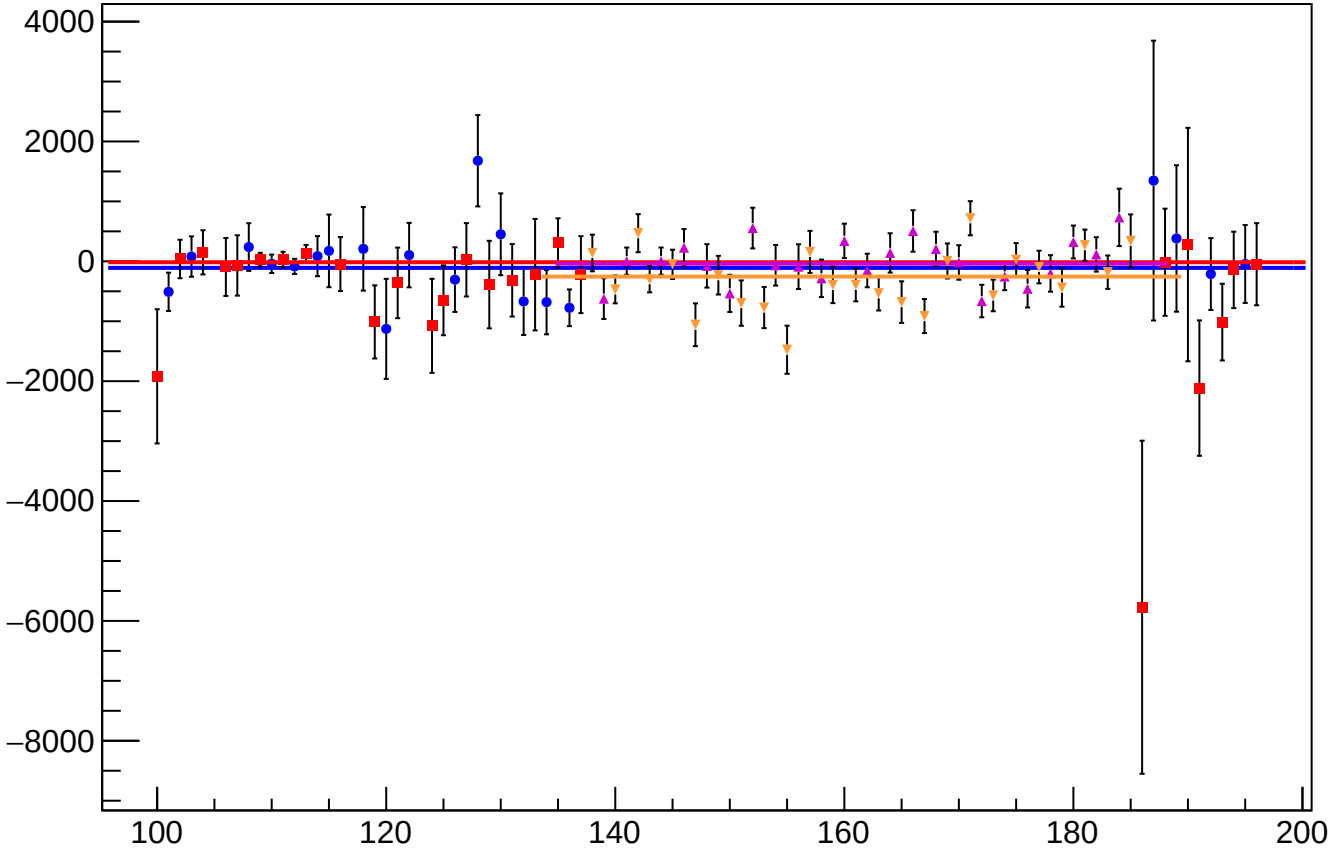
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888015.5/44

All: 60.783+/-0.006 χ^2/NDF: 2417262.4/93

- sign 61.320+/-0.008 χ^2/NDF: 1520317.0/48

asym_sam8_cor_correction_mean vs Slug



Right In: -109.170+/-74.920 χ^2/NDF: 19.1/19

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -15.463+/-62.875 χ^2/NDF: 22.0/25

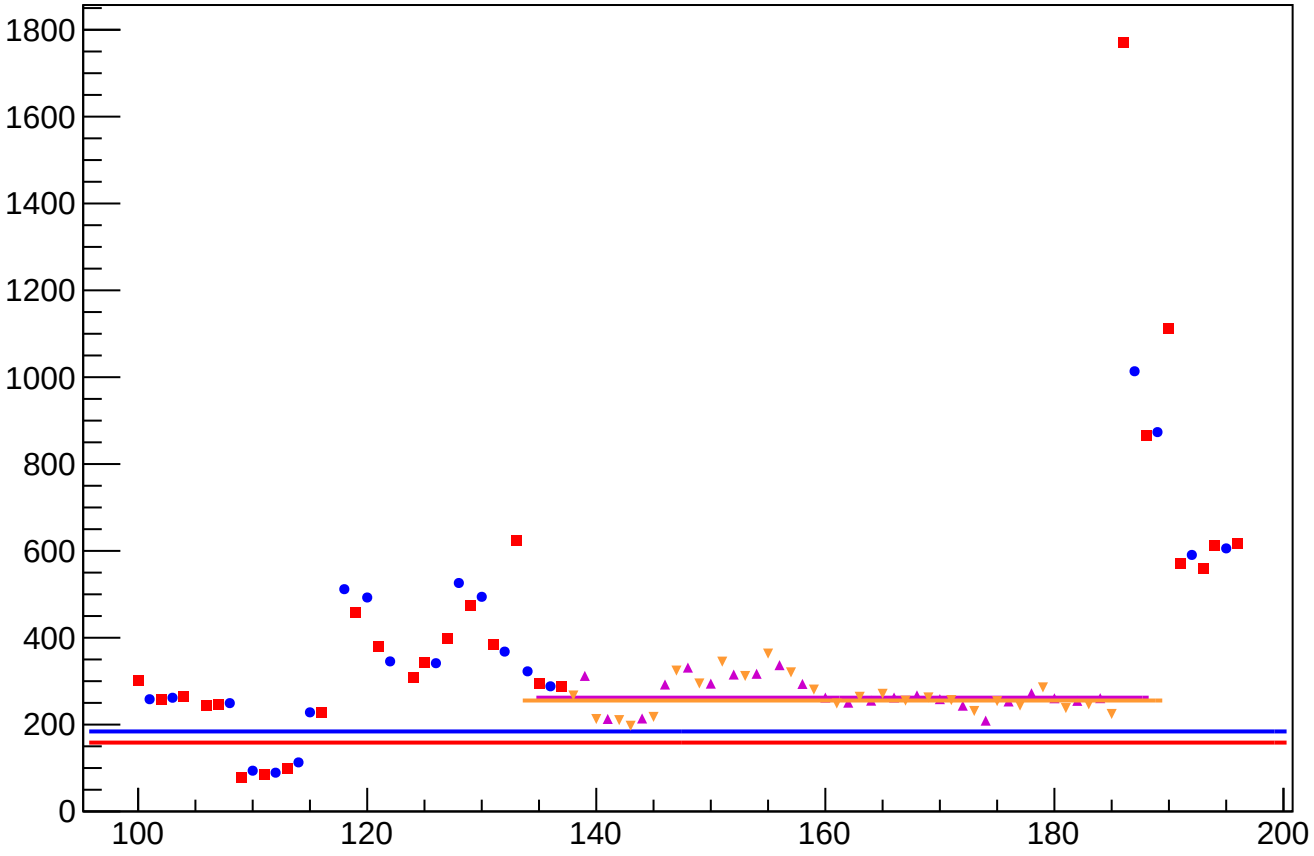
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.092+/-46.292 χ^2/NDF: 79.0/44

All: -109.141+/-31.932 χ^2/NDF: 136.6/93

- sign -27.492+/-44.104 χ^2/NDF: 50.4/48

asym_sam8_cor_correction_rms vs Slug



Right In: 184.243+/-0.053 χ^2/NDF: 7278561.6/19

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 158.578+/-0.044 χ^2/NDF: 10682033.8/25

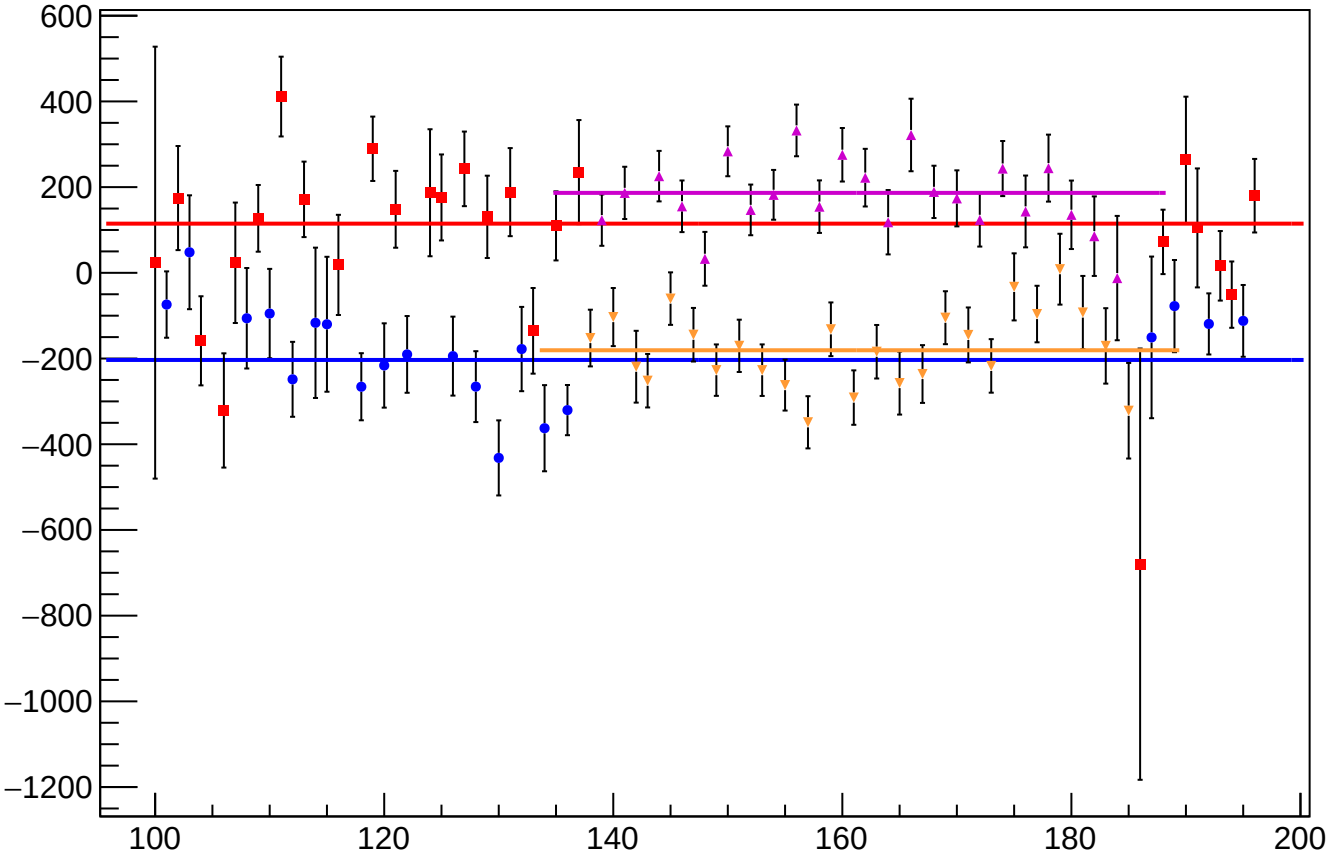
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259951.7/44

All: 219.280+/-0.023 χ^2/NDF: 23505667.2/93

- sign 211.115+/-0.031 χ^2/NDF: 14101650.6/48

eigen_cor_asym_sam8_mean vs Slug



Right In: -203.315+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.771+/-19.648 χ^2/NDF: 56.1/25

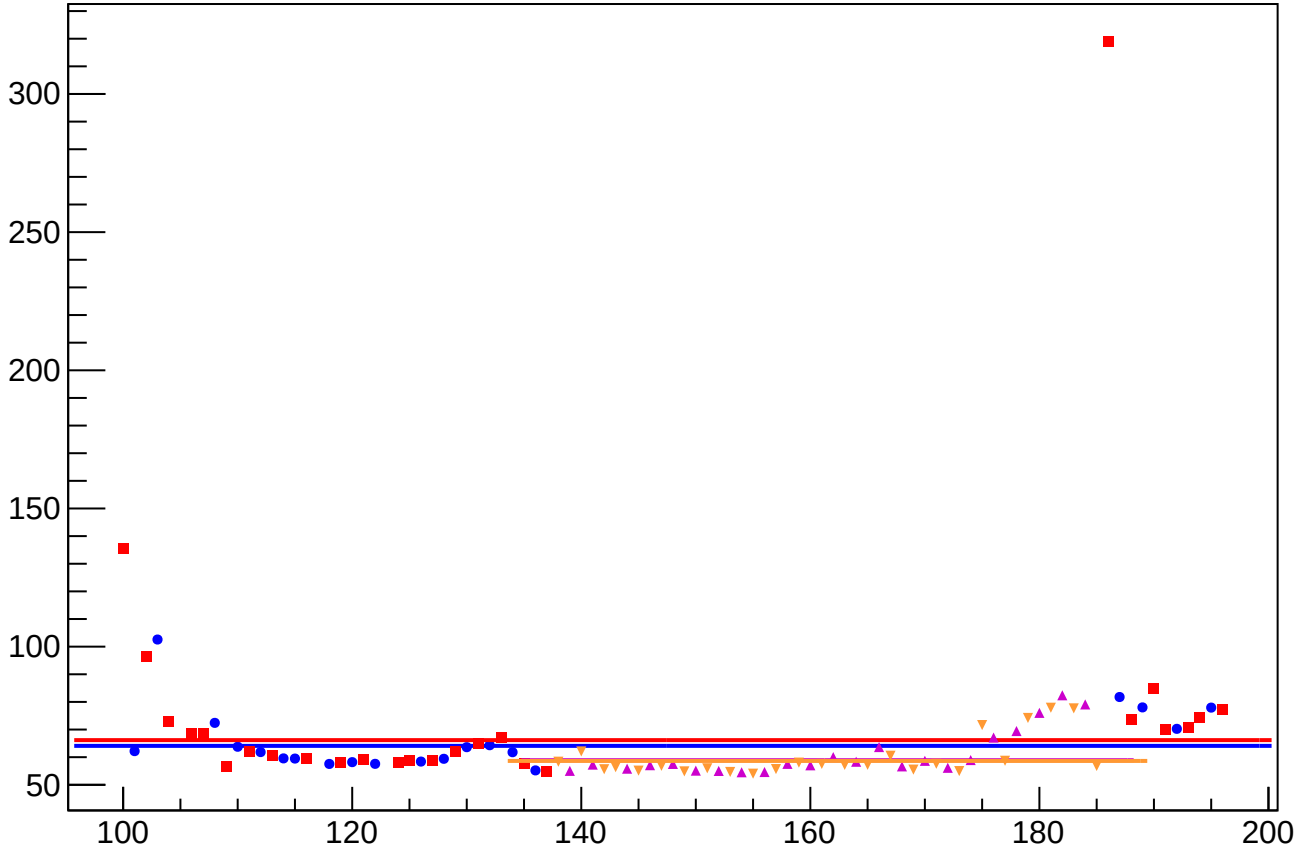
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.359+/-11.266 χ^2/NDF: 67.0/44

All: -13.241+/-7.987 χ^2/NDF: 641.3/93

- sign 162.711+/-11.325 χ^2/NDF: 94.1/48

eigen_cor_asym_sam8_rms vs Slug



Right In: 64.096+/-0.015 χ^2/NDF: 396719.1/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.171+/-0.014 χ^2/NDF: 950924.9/25

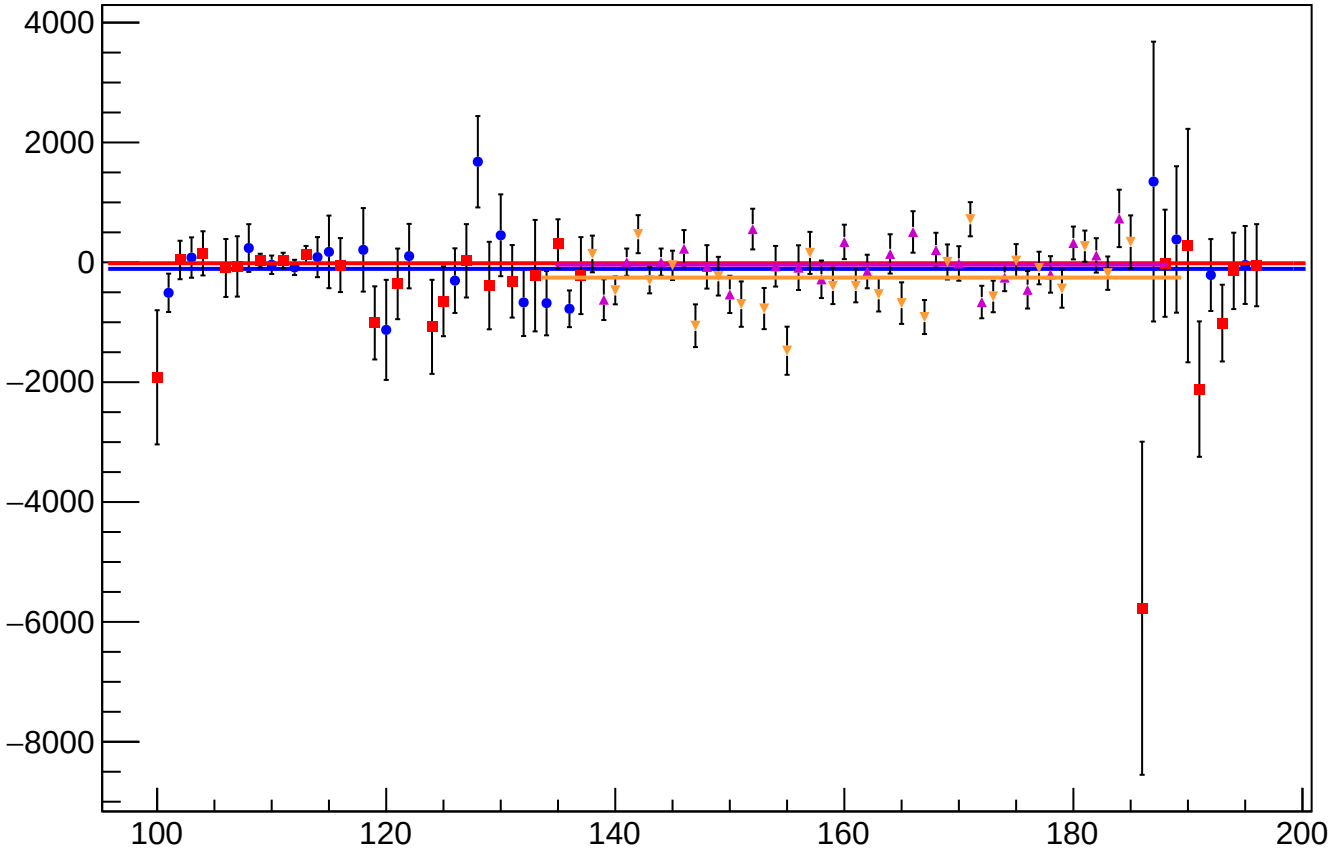
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888015.5/44

All: 60.783+/-0.006 χ^2/NDF: 2417262.4/93

- sign 61.320+/-0.008 χ^2/NDF: 1520317.0/48

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -109.170+/-74.920 χ^2/NDF: 19.1/19

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -15.463+/-62.875 χ^2/NDF: 22.0/25

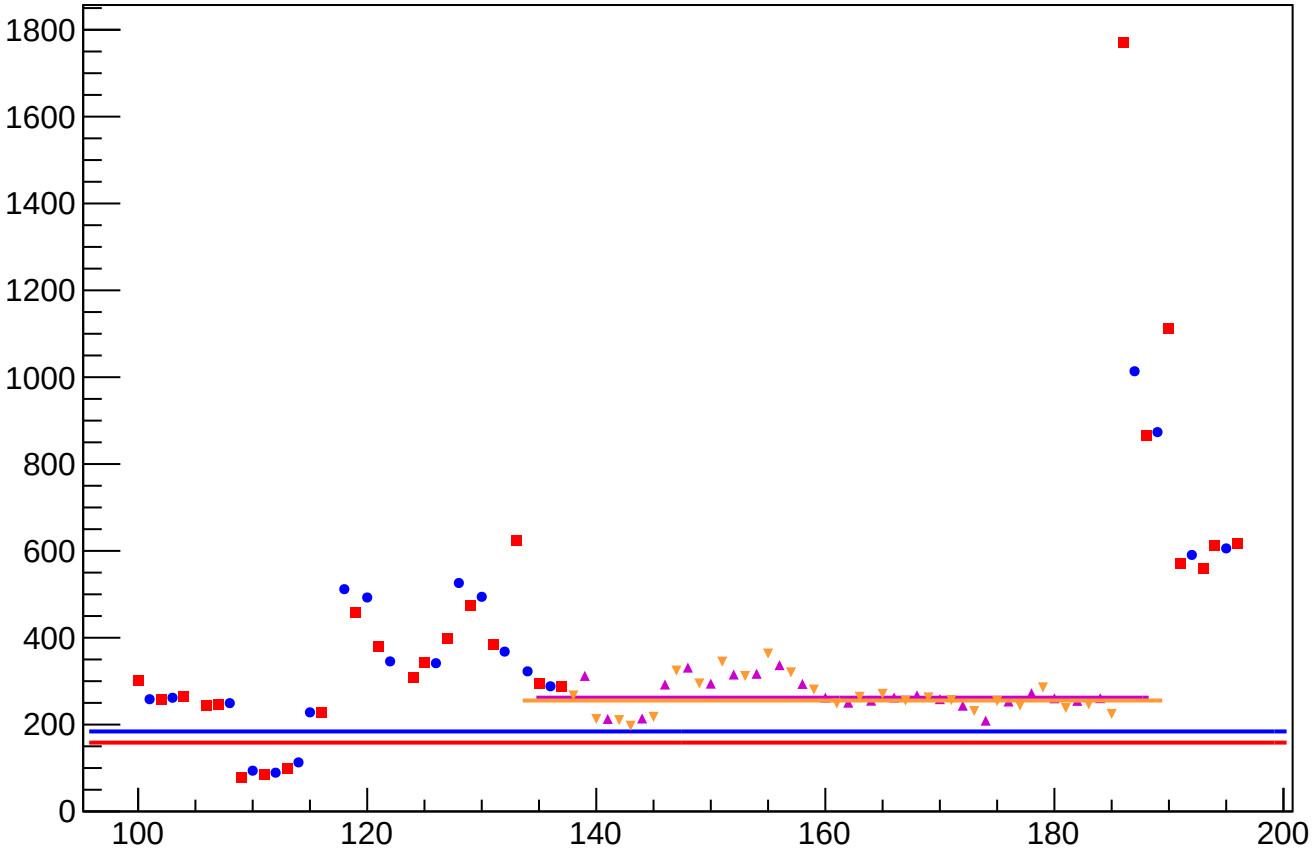
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.092+/-46.292 χ^2/NDF: 79.0/44

All: -109.141+/-31.932 χ^2/NDF: 136.6/93

- sign -27.492+/-44.104 χ^2/NDF: 50.4/48

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 184.243+/-0.053 χ^2/NDF: 7278561.6/19

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 158.578+/-0.044 χ^2/NDF: 10682033.8/25

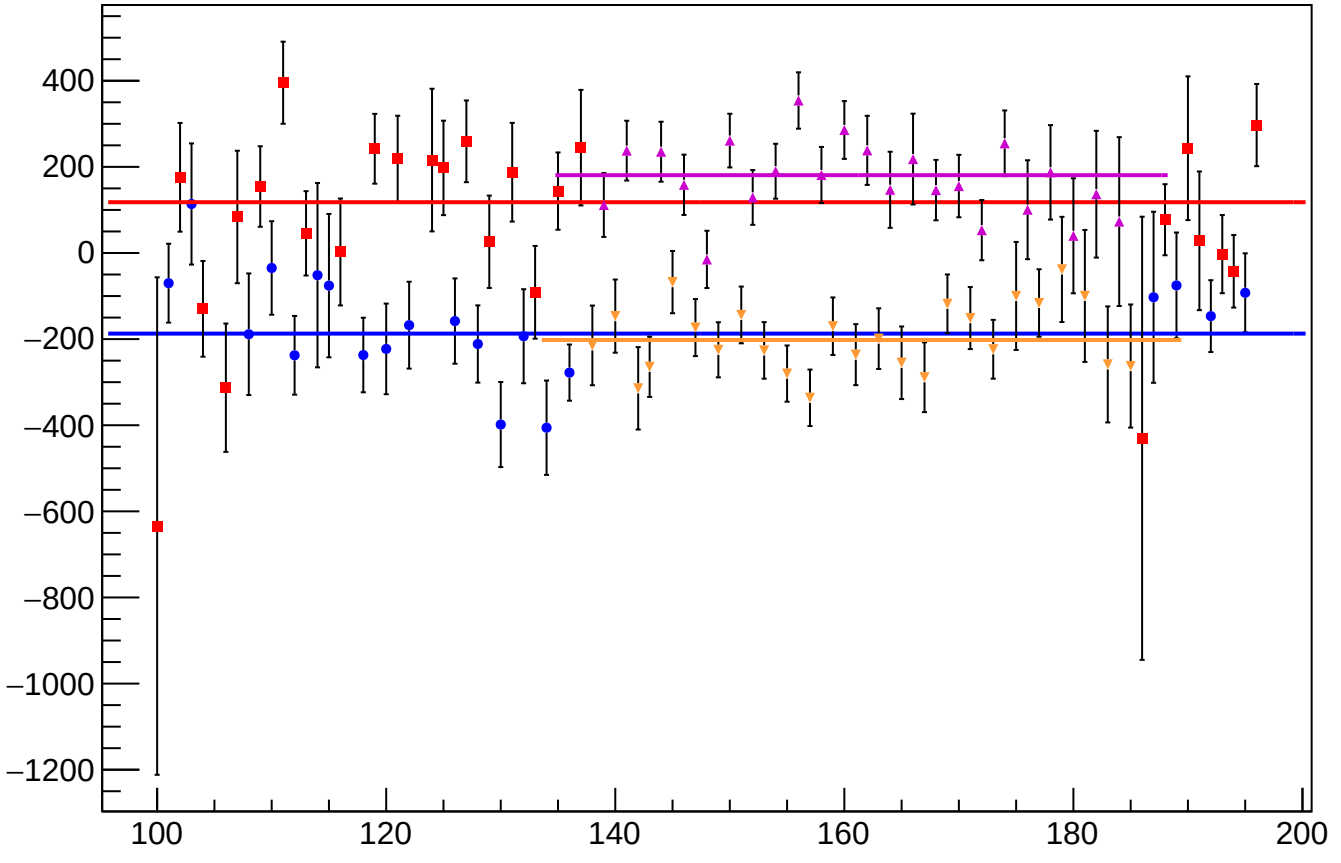
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259951.7/44

All: 219.280+/-0.023 χ^2/NDF: 23505667.2/93

- sign 211.115+/-0.031 χ^2/NDF: 14101650.6/48

dit_asym_sam8_mean vs Slug



Right In: -187.209+/-23.006 χ^2/NDF: 22.8/19

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 117.955+/-21.632 χ^2/NDF: 48.8/25

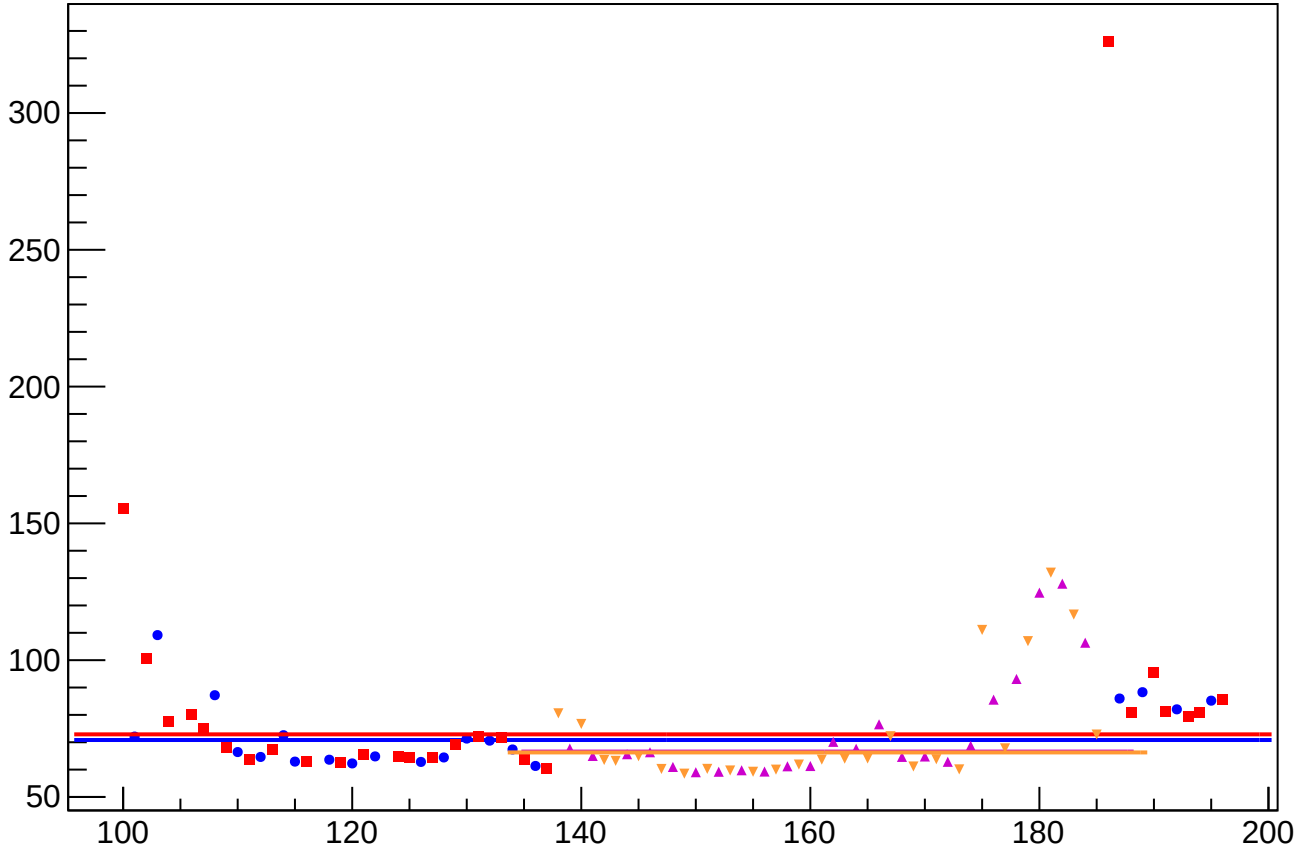
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -197.429+/-12.876 χ^2/NDF: 44.6/44

All: -19.409+/-9.104 χ^2/NDF: 511.1/93

- sign 158.532+/-12.874 χ^2/NDF: 84.4/48

dit_asym_sam8_rms vs Slug



Right In: 70.817+/-0.016 χ^2/NDF: 432007.5/19

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 72.885+/-0.015 χ^2/NDF: 912574.0/25

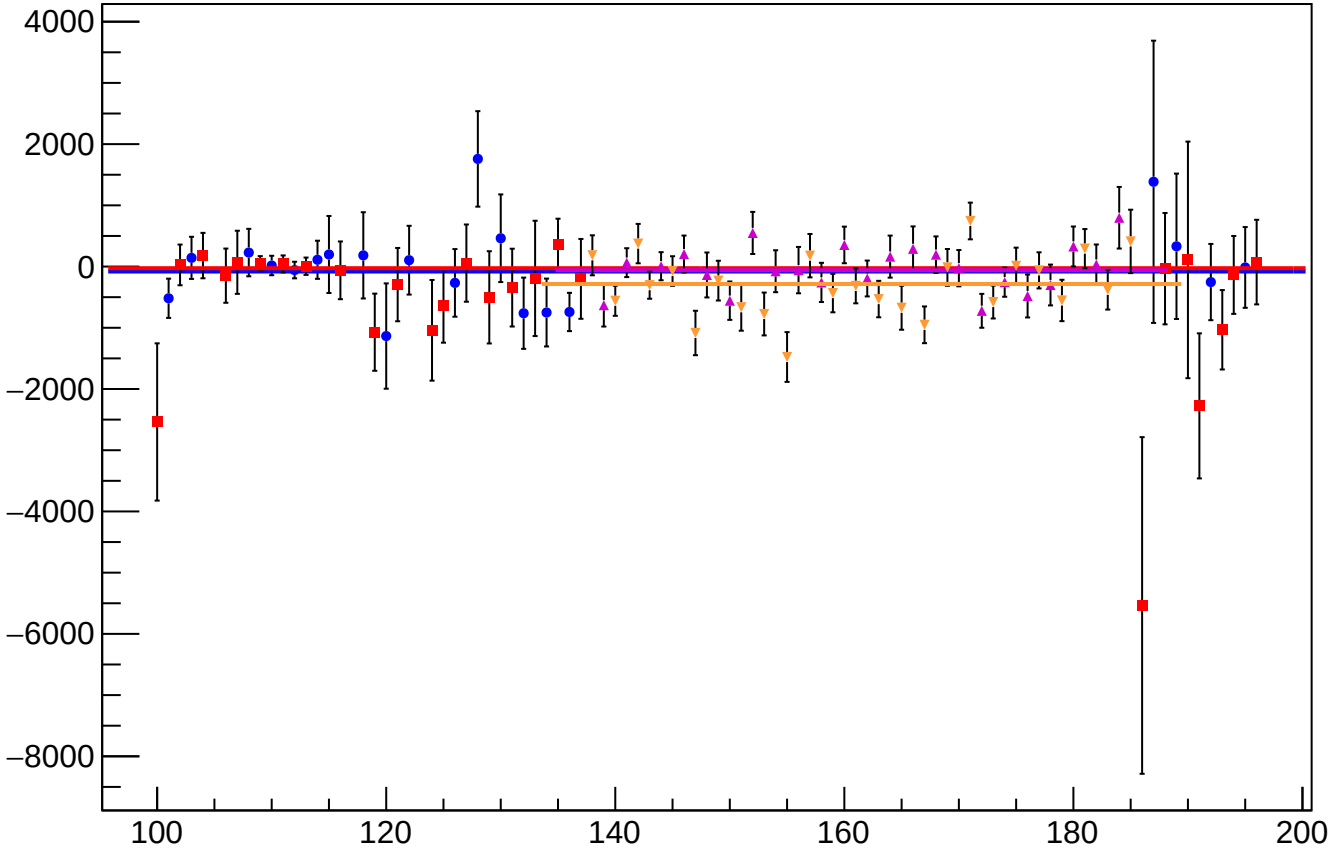
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 67.700+/-0.009 χ^2/NDF: 1879321.2/44

All: 68.259+/-0.006 χ^2/NDF: 4067211.8/93

- sign 68.817+/-0.009 χ^2/NDF: 2180374.7/48

asym_sam8_dit_correction_mean vs Slug



Right In: -80.525+/-77.307 χ^2/NDF: 19.8/19

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -26.729+/-64.623 χ^2/NDF: 22.2/25

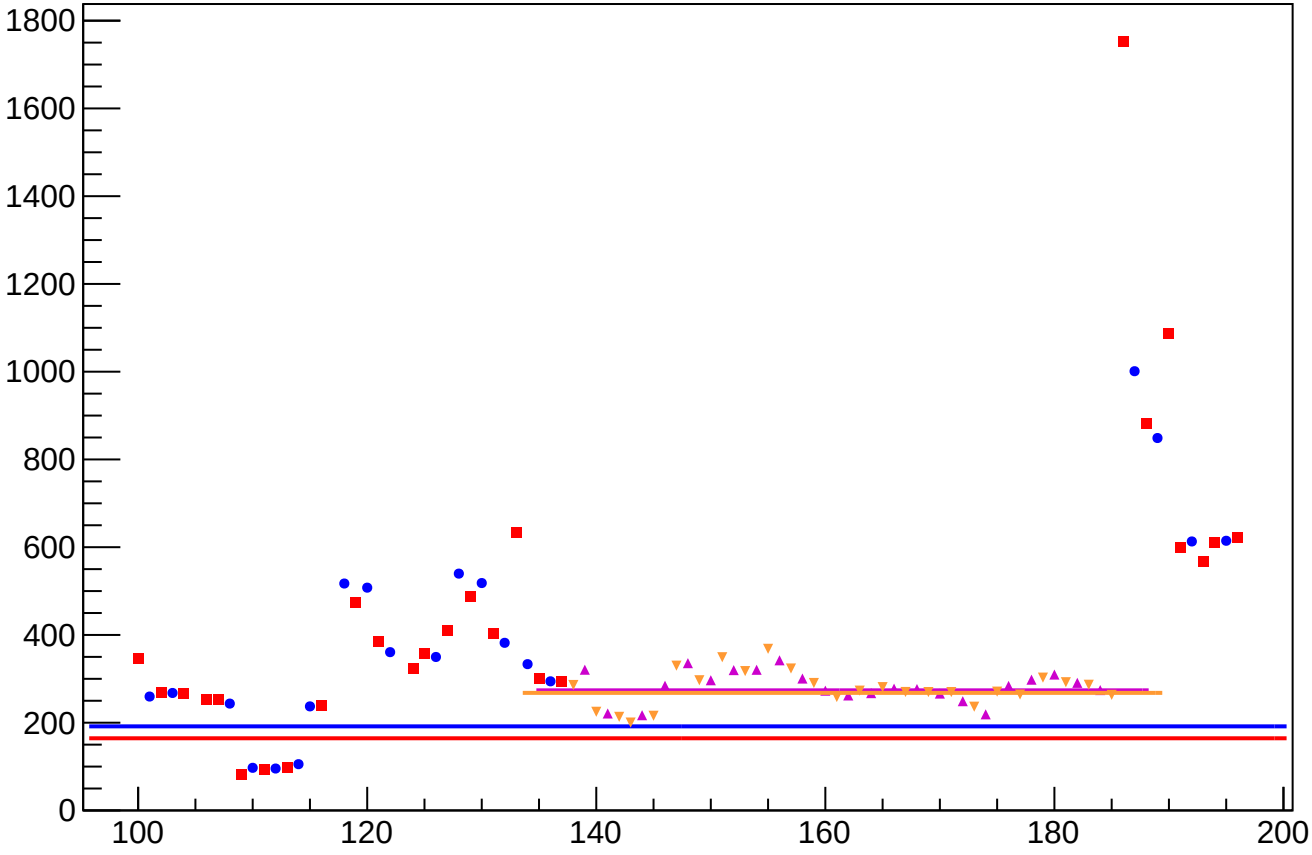
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.055+/-48.237 χ^2/NDF: 78.7/44

All: -119.623+/-33.175 χ^2/NDF: 133.8/93

- sign -42.941+/-45.700 χ^2/NDF: 49.2/48

asym_sam8_dit_correction_rms vs Slug



Right In: 191.666+/-0.055 χ^2/NDF: 7114476.9/19

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 164.493+/-0.046 χ^2/NDF: 10593383.7/25

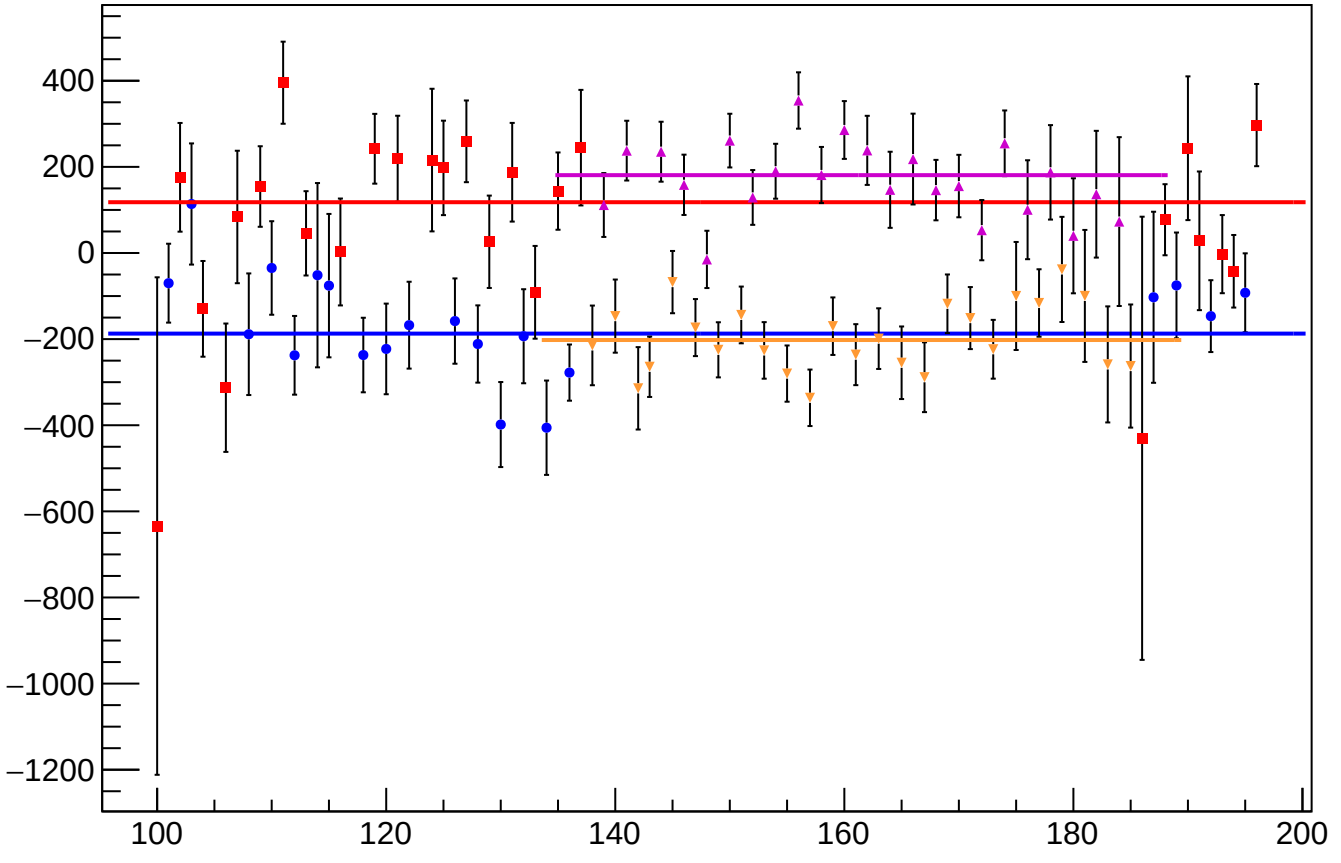
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 238.272+/-0.034 χ^2/NDF: 9167594.0/44

All: 228.174+/-0.023 χ^2/NDF: 23435440.1/93

- sign 219.111+/-0.032 χ^2/NDF: 14101538.5/48

eigen_dit_asym_sam8_mean vs Slug



Right In: -187.209+/-23.006 χ^2/NDF: 22.8/19

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 117.956+/-21.632 χ^2/NDF: 48.8/25

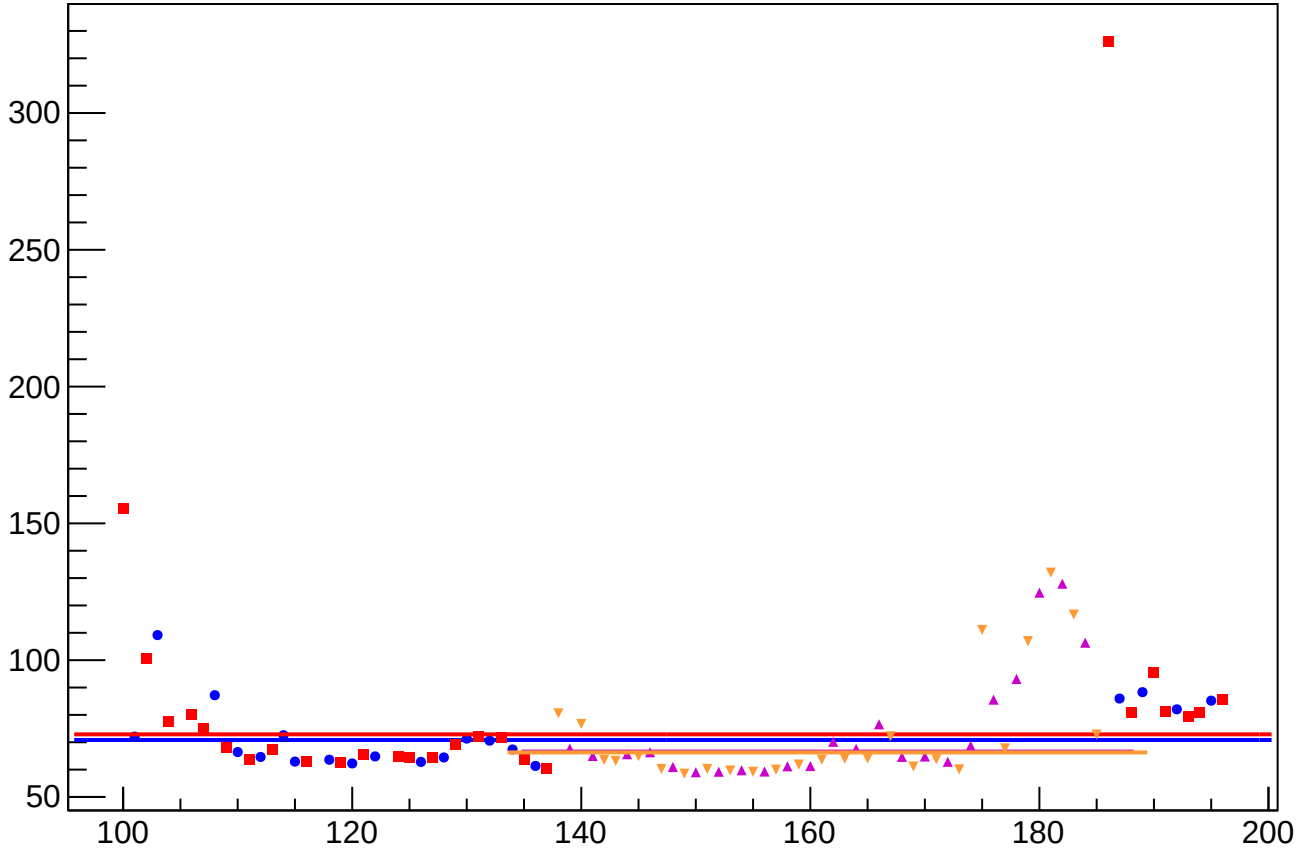
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -197.428+/-12.876 χ^2/NDF: 44.6/44

All: -19.408+/-9.104 χ^2/NDF: 511.1/93

- sign 158.533+/-12.874 χ^2/NDF: 84.4/48

eigen_dit_asym_sam8_rms vs Slug



Right In: 70.817+/-0.016 χ^2/NDF: 432009.8/19

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 72.885+/-0.015 χ^2/NDF: 912577.2/25

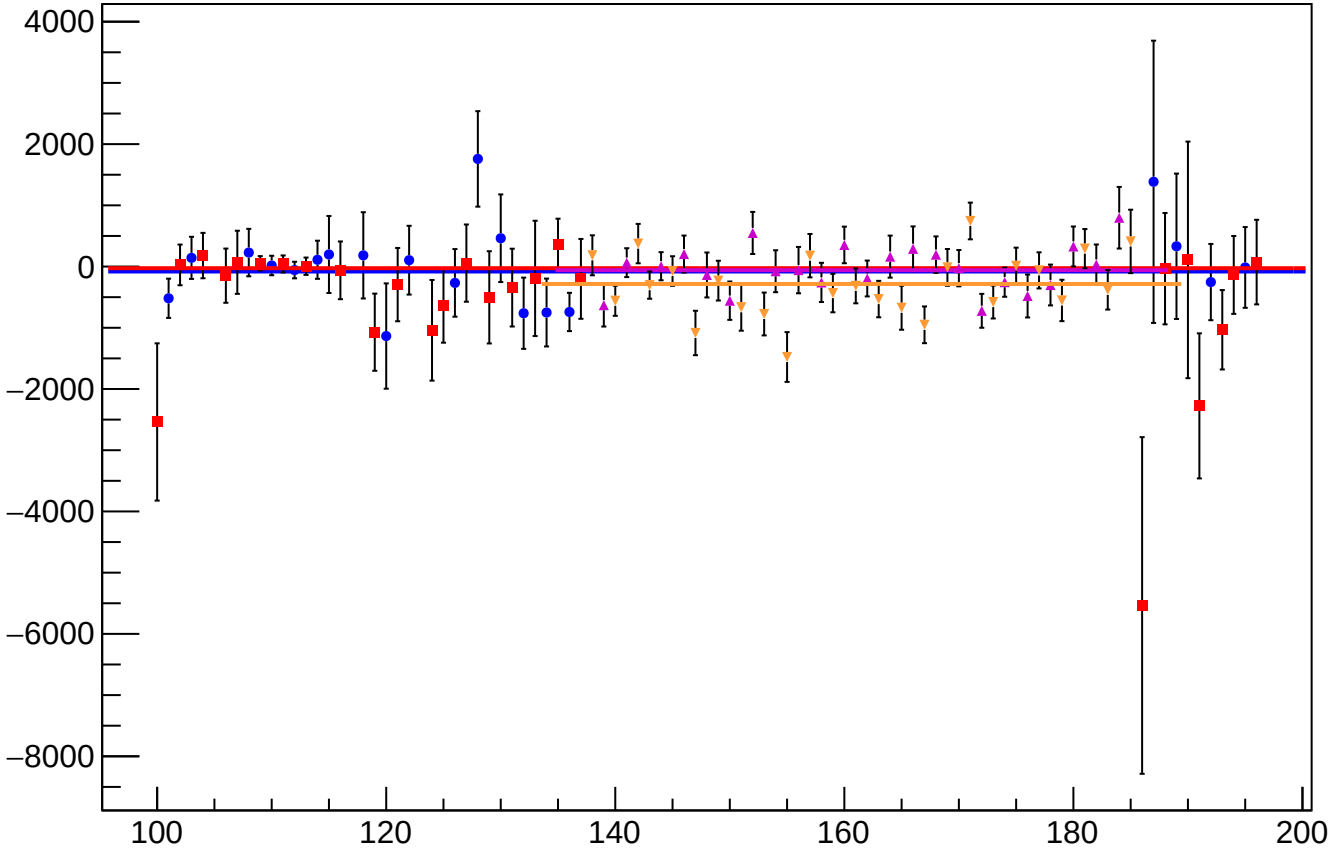
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 67.700+/-0.009 χ^2/NDF: 1879321.1/44

All: 68.259+/-0.006 χ^2/NDF: 4067200.1/93

- sign 68.817+/-0.009 χ^2/NDF: 2180363.1/48

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -80.523+/-77.306 χ^2/NDF: 19.8/19

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -26.728+/-64.623 χ^2/NDF: 22.2/25

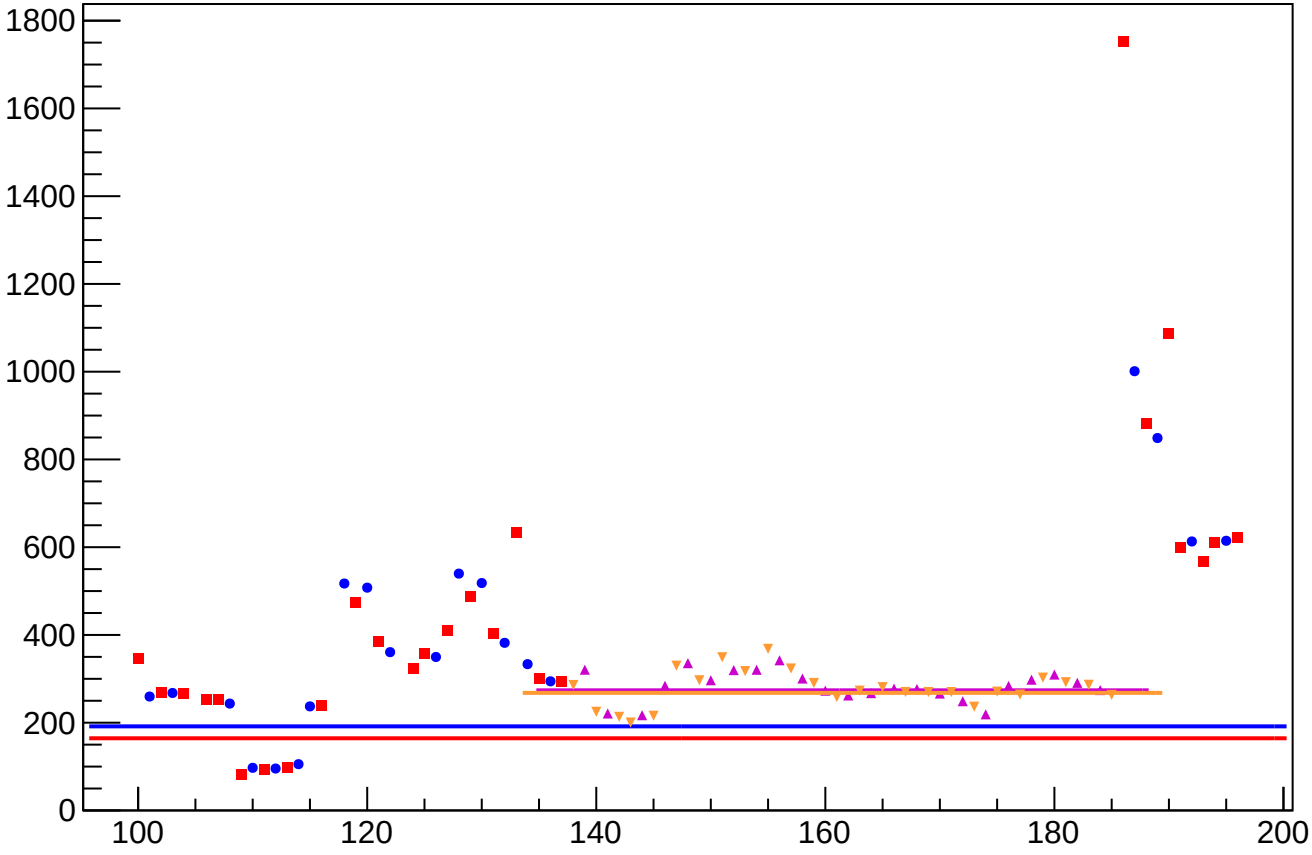
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.054+/-48.237 χ^2/NDF: 78.7/44

All: -119.622+/-33.175 χ^2/NDF: 133.8/93

- sign -42.941+/-45.700 χ^2/NDF: 49.2/48

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 191.664+/-0.055 χ^2/NDF: 7114509.2/19

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 164.493+/-0.046 χ^2/NDF: 10593363.8/25

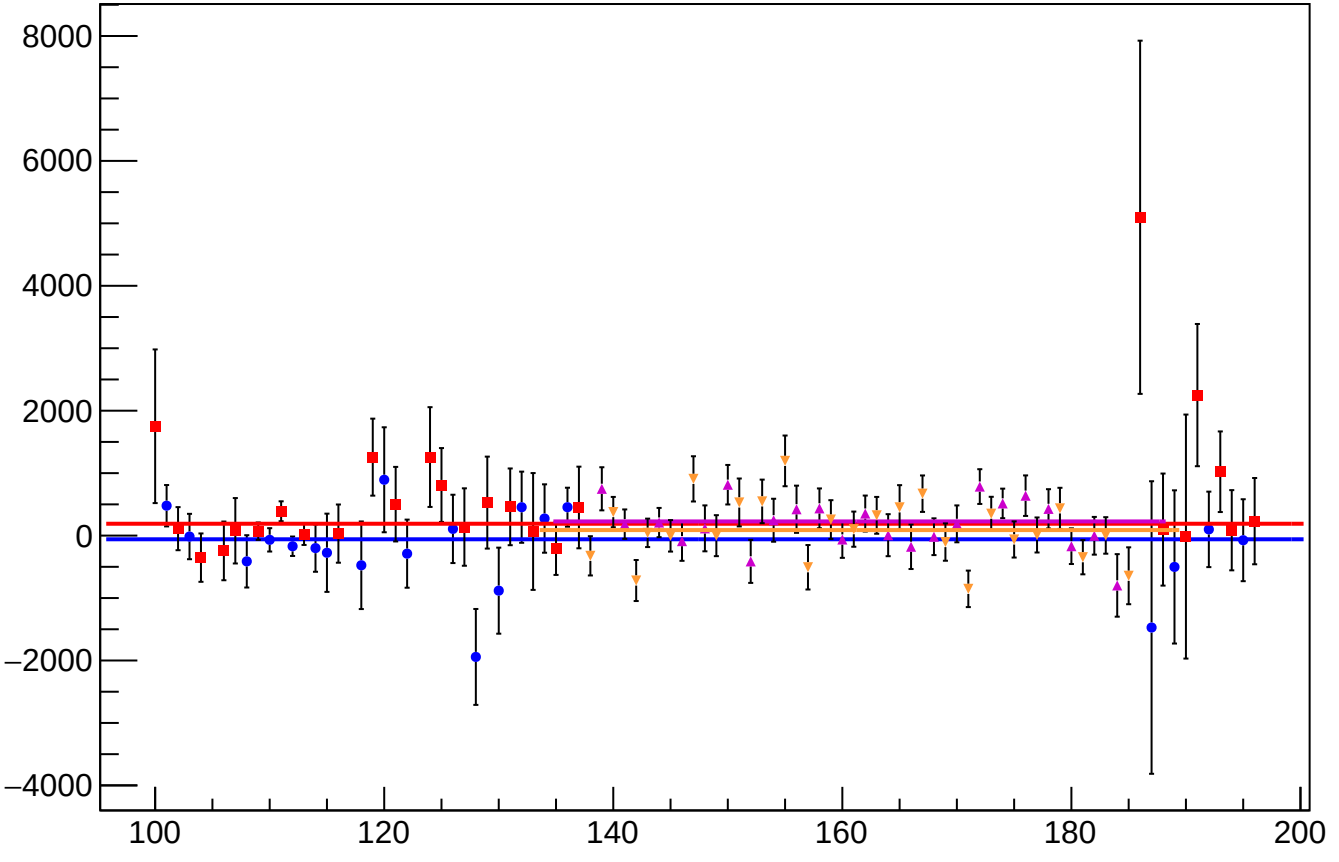
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 238.270+/-0.034 χ^2/NDF: 9167665.9/44

All: 228.173+/-0.023 χ^2/NDF: 23435474.5/93

- sign 219.110+/-0.032 χ^2/NDF: 14101511.0/48

asym_sam8_mean vs Slug



Right In: -59.114+/-85.015 χ^2/NDF: 17.9/19

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 189.834+/-72.735 χ^2/NDF: 23.6/25

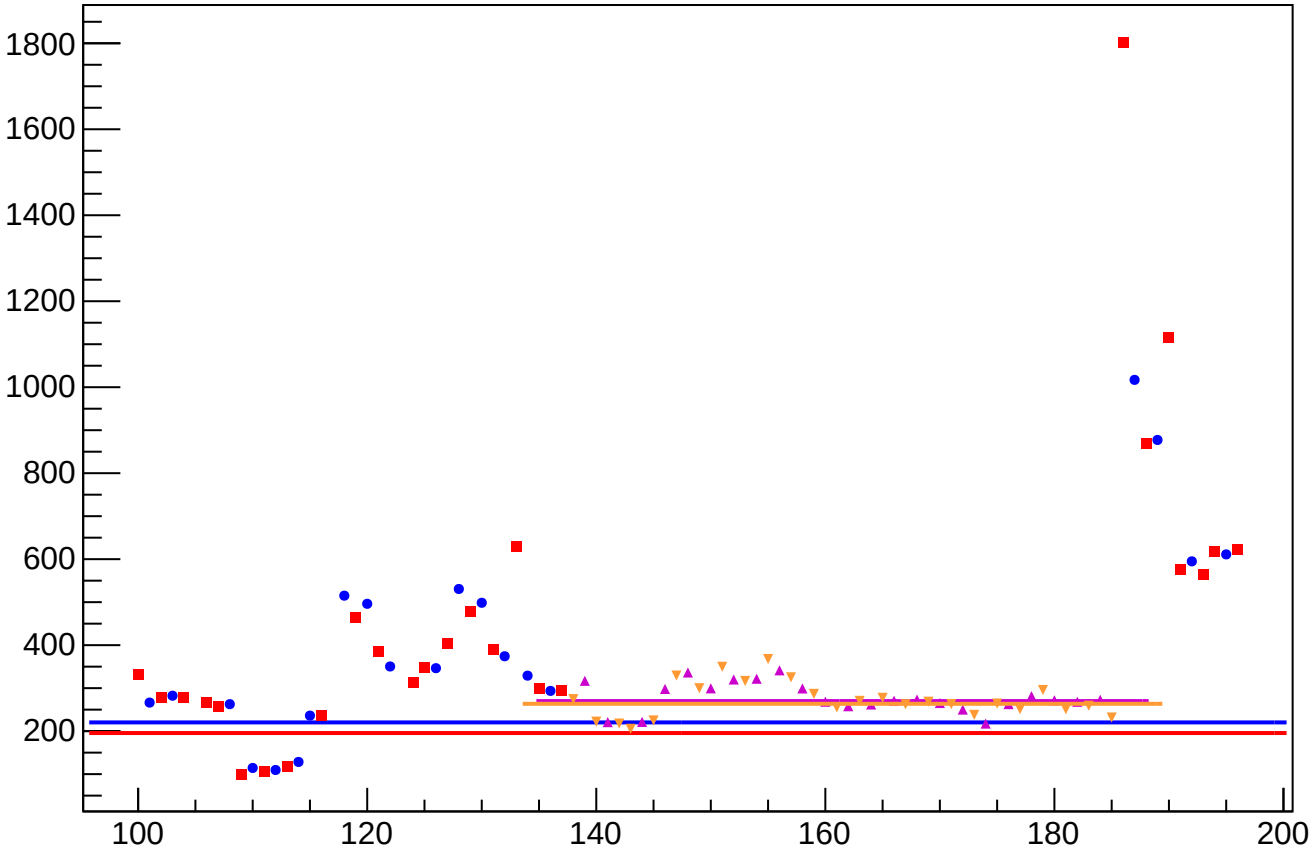
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 38.626+/-49.382 χ^2/NDF: 72.1/44

All: 127.316+/-34.386 χ^2/NDF: 131.0/93

- sign 210.799+/-47.911 χ^2/NDF: 52.6/48

asym_sam8_rms vs Slug



Right In: 220.296+/-0.060 χ^2/NDF: 5951373.6/19

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

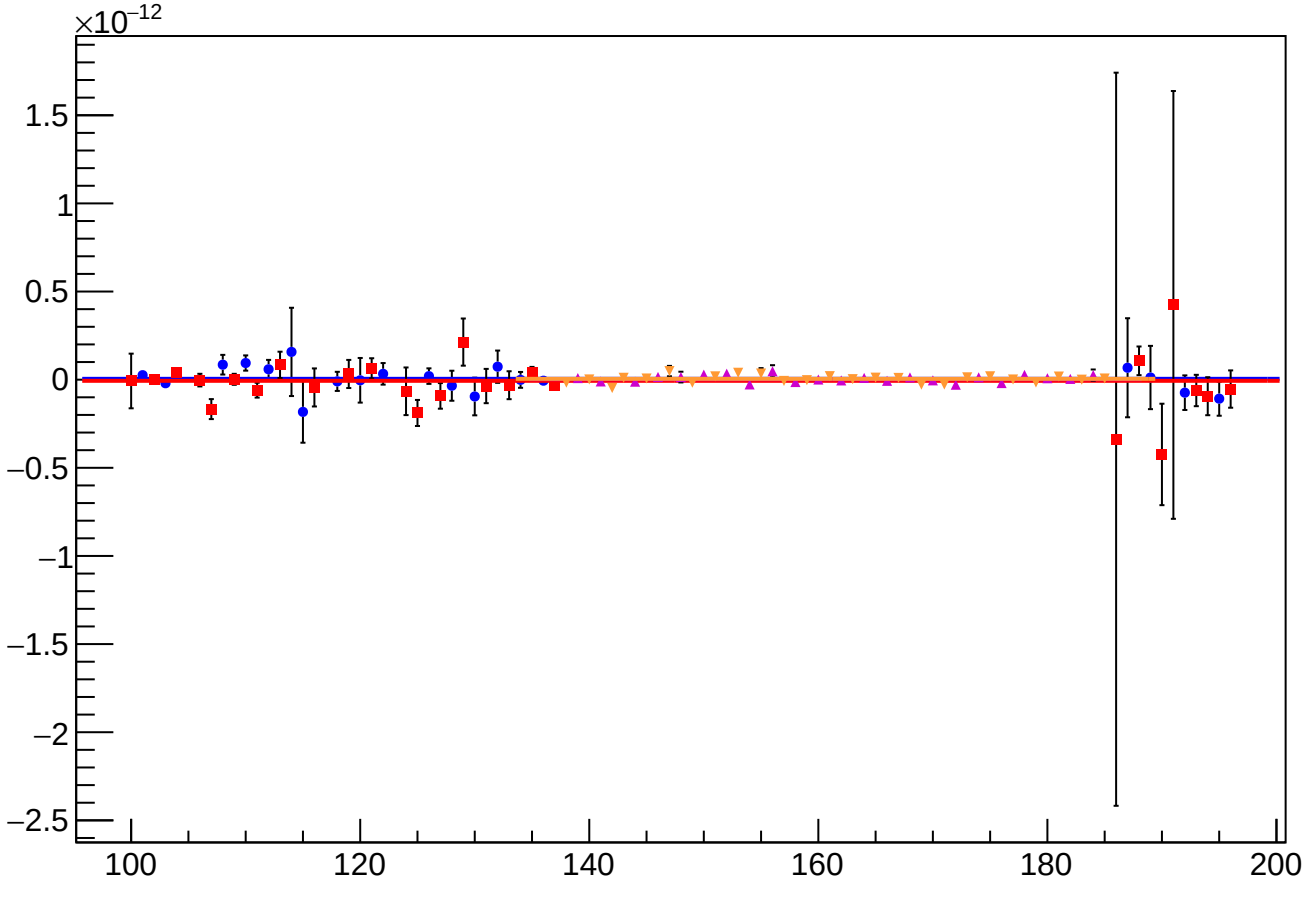
Right Out: 195.589+/-0.051 χ^2/NDF: 9122603.1/25

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 248.984+/-0.035 χ^2/NDF: 7074950.8/44

All: 243.149+/-0.024 χ^2/NDF: 18035742.9/93

- sign 237.656+/-0.034 χ^2/NDF: 10906579.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/19

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: 43.7/44

All: 0.000+/-0.000 χ^2/NDF: 102.5/93

- sign 0.000+/-0.000 χ^2/NDF: 58.3/48

Right In: 0.000+/-0.000 χ^2/NDF: 3350372.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3657094.6/25

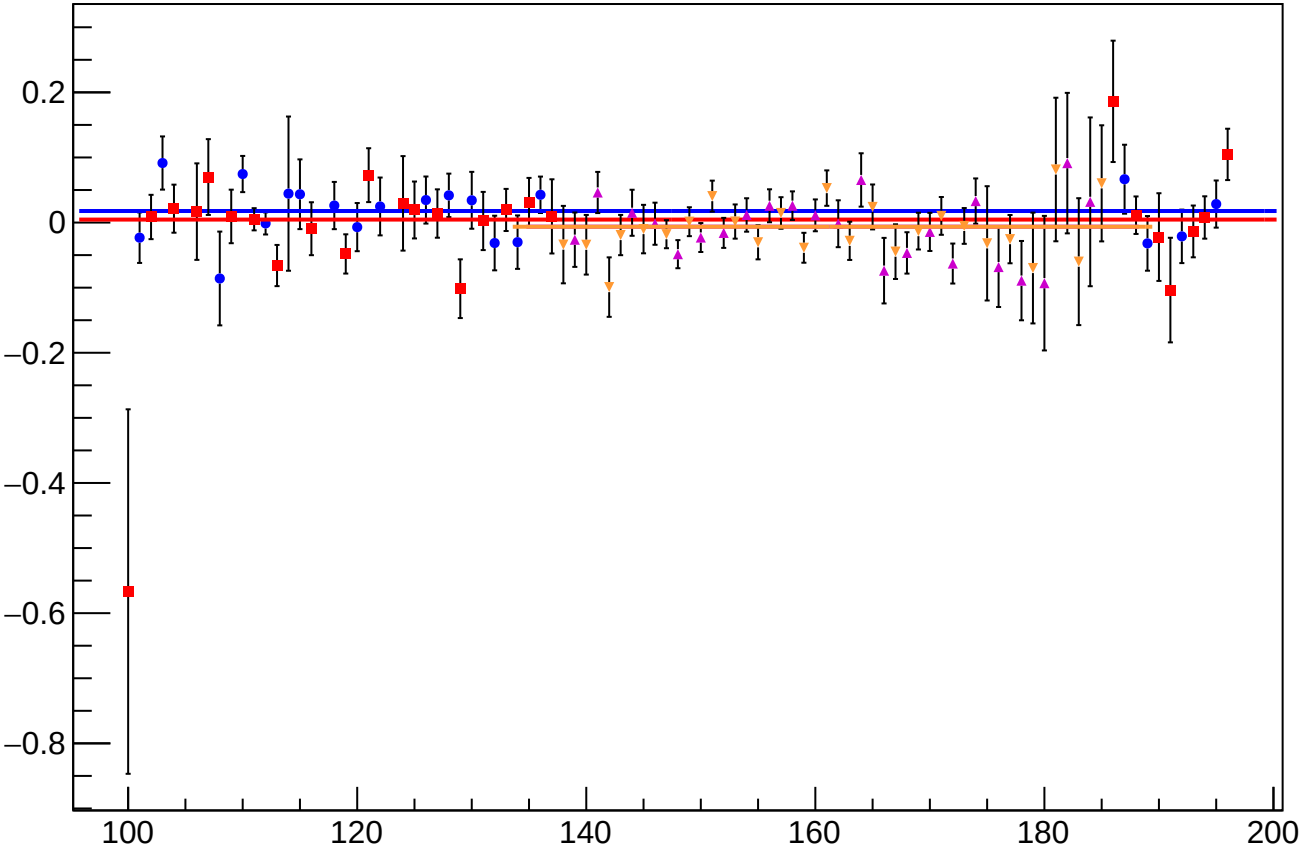
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5981019.2/44

All: 0.000+/-0.000 χ^2/NDF: 13667371.0/93

- sign 0.000+/-0.000 χ^2/NDF: 7677528.9/48

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

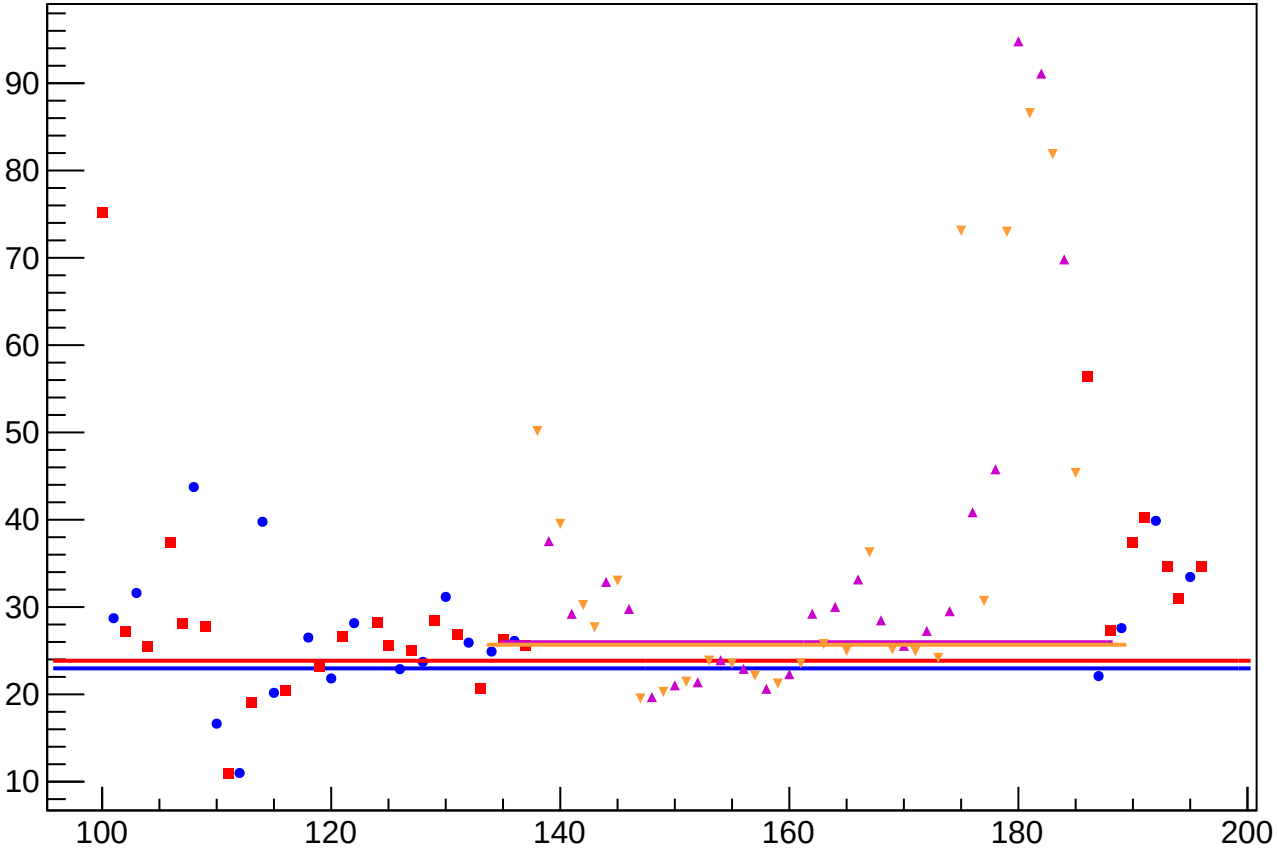
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: 0.001+/-0.004 χ^2/NDF: 114.0/93

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 22.975+/-0.006 χ^2/NDF: 2133142.7/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

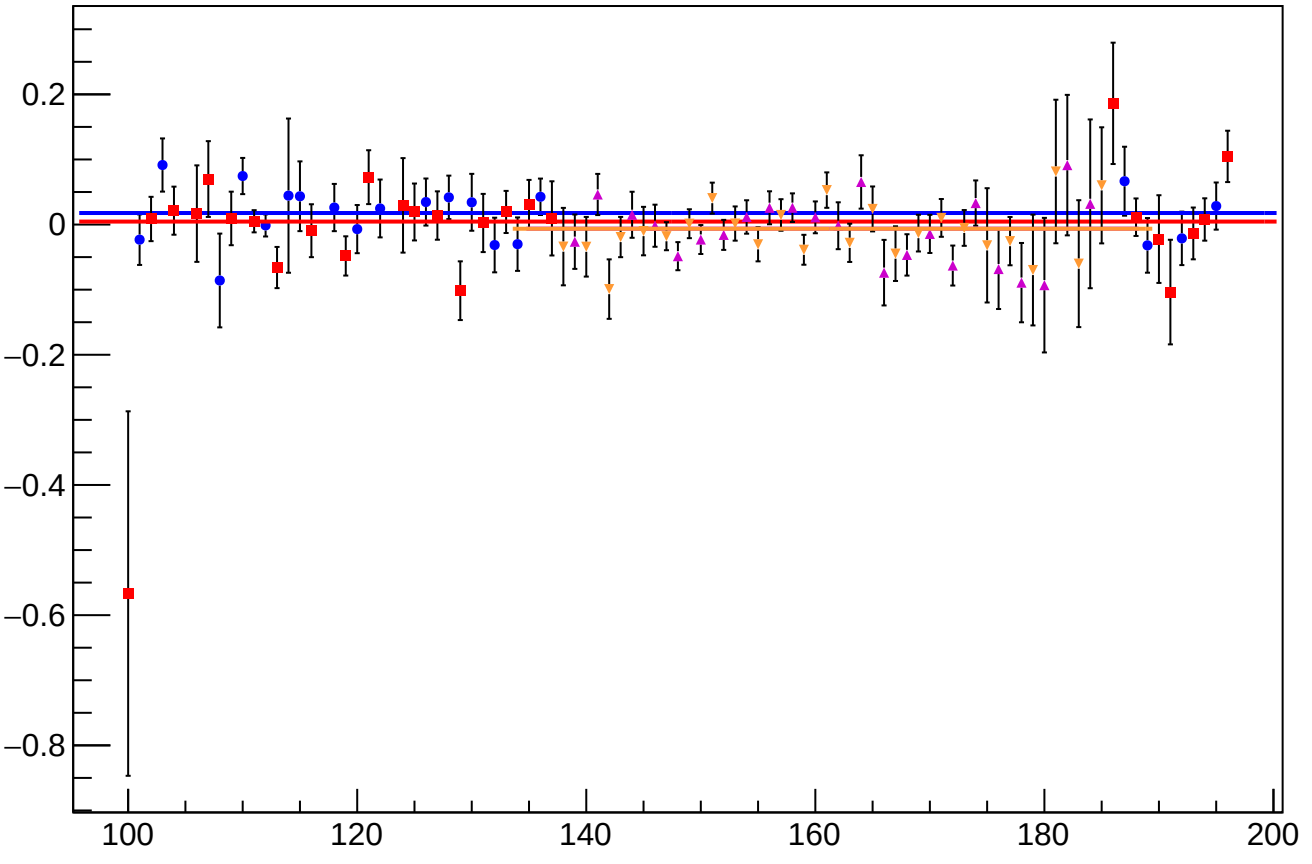
Right Out: 23.849+/-0.005 χ^2/NDF: 2311358.1/25

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144225.7/44

All: 24.839+/-0.002 χ^2/NDF: 11670513.0/93

- sign 25.043+/-0.004 χ^2/NDF: 5519505.5/48



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

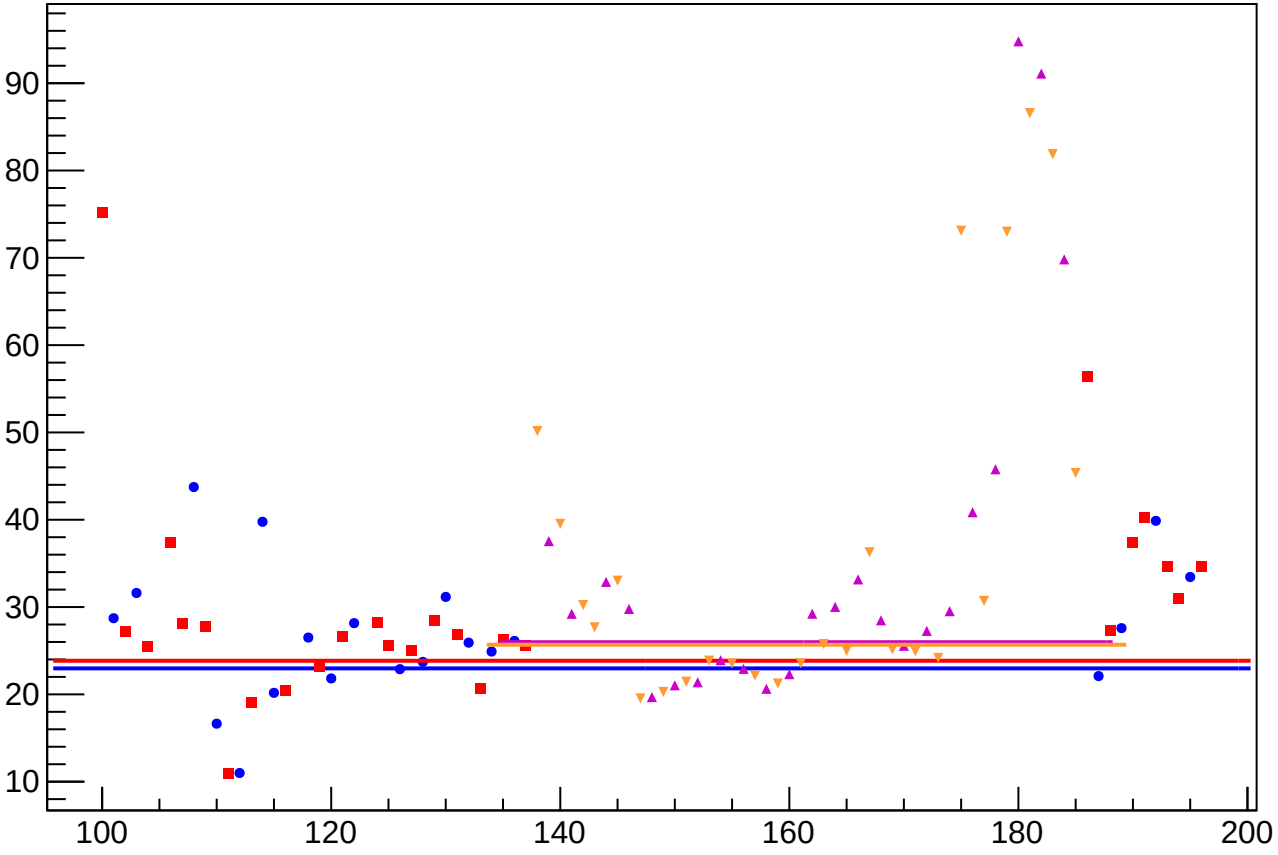
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: 0.001+/-0.004 χ^2/NDF: 114.0/93

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.975+/-0.006 χ^2/NDF: 2133142.7/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 23.849+/-0.005 χ^2/NDF: 2311358.1/25

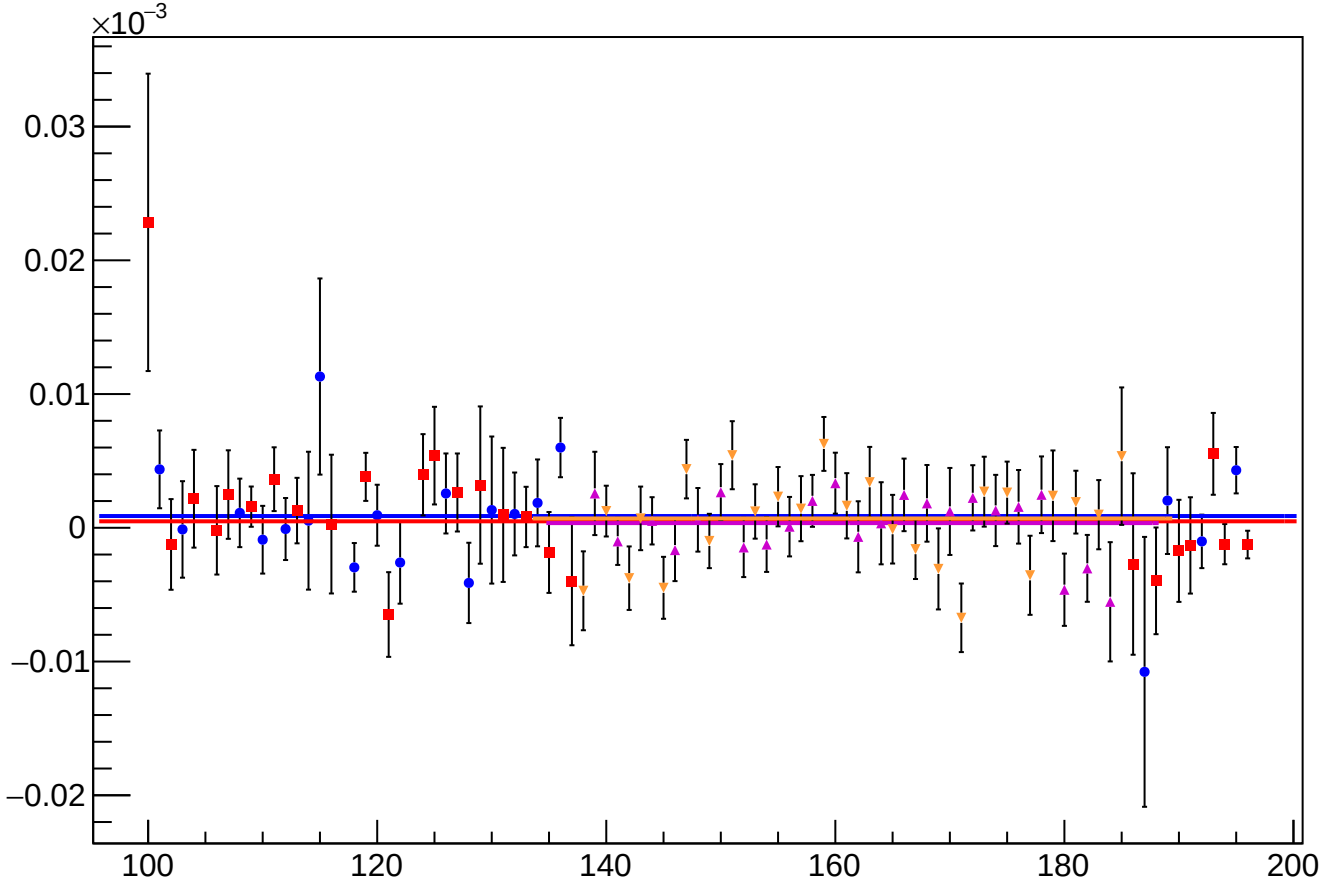
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144225.7/44

All: 24.839+/-0.002 χ^2/NDF: 11670513.0/93

- sign 25.043+/-0.004 χ^2/NDF: 5519505.5/48

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/25

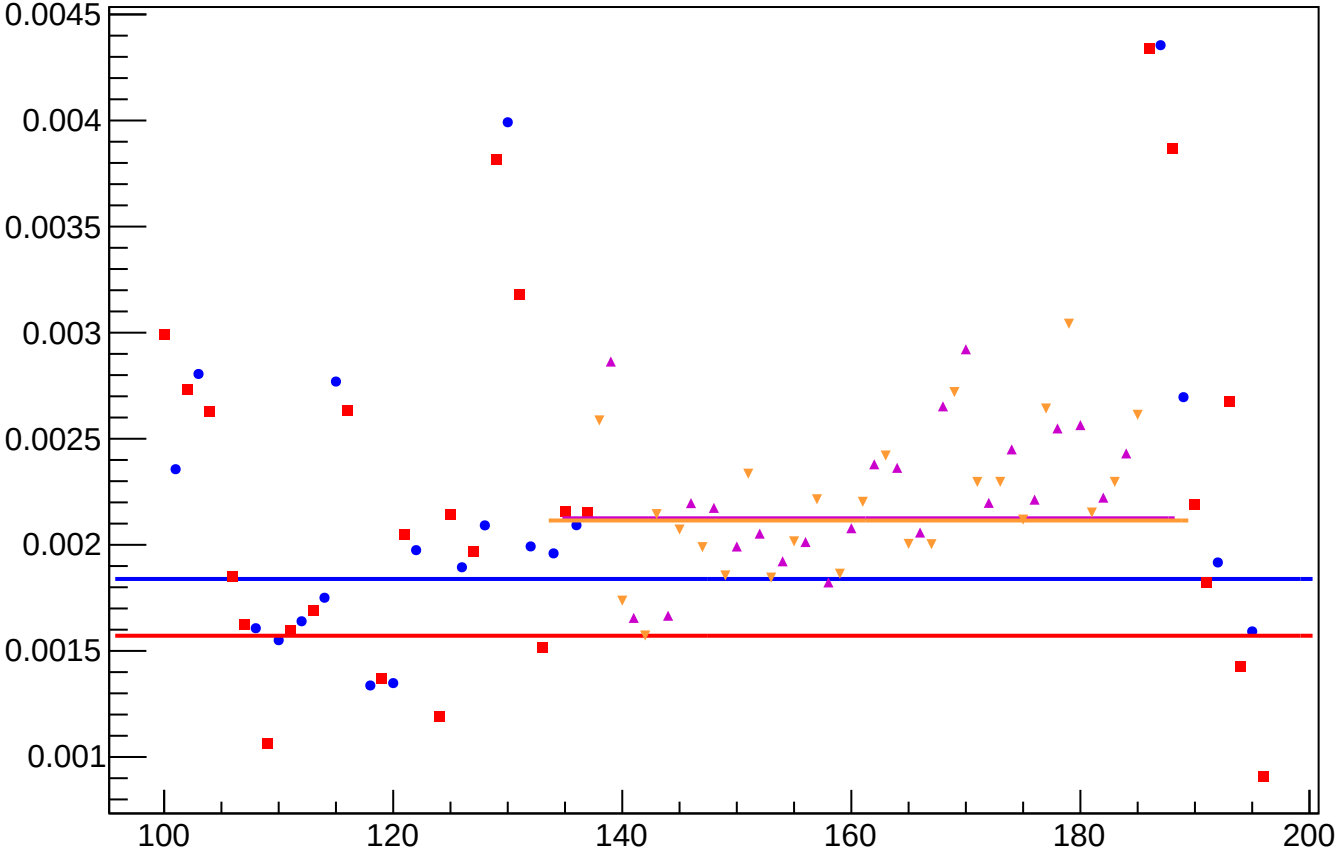
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/44

All: 0.000+/-0.000 χ^2/NDF: 115.8/93

- 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: 1160811.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

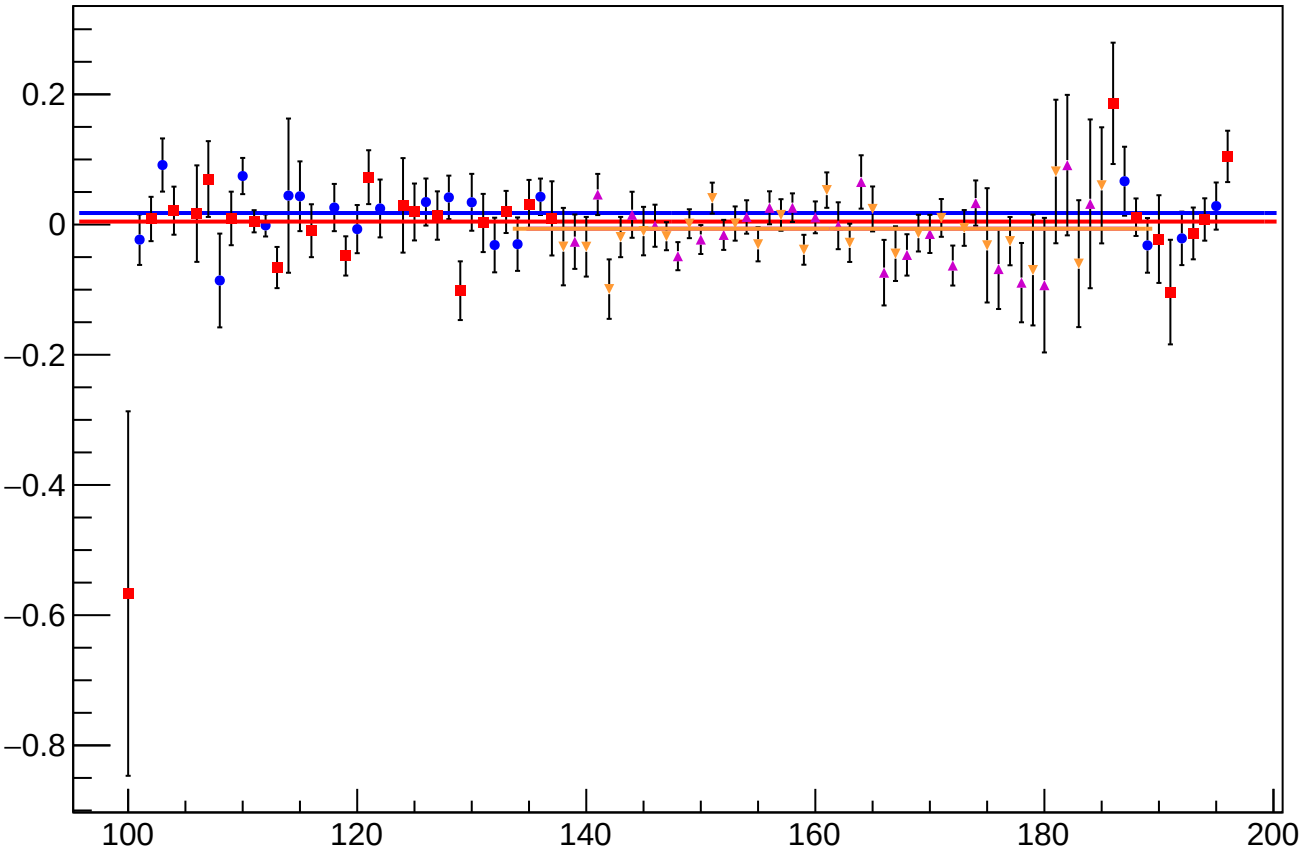
Right Out: 0.002+/-0.000 χ^2/NDF: 3719287.9/25

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2152309.0/44

All: 0.002+/-0.000 χ^2/NDF: 8124132.5/93

- sign 0.002+/-0.000 χ^2/NDF: 5776599.6/48



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

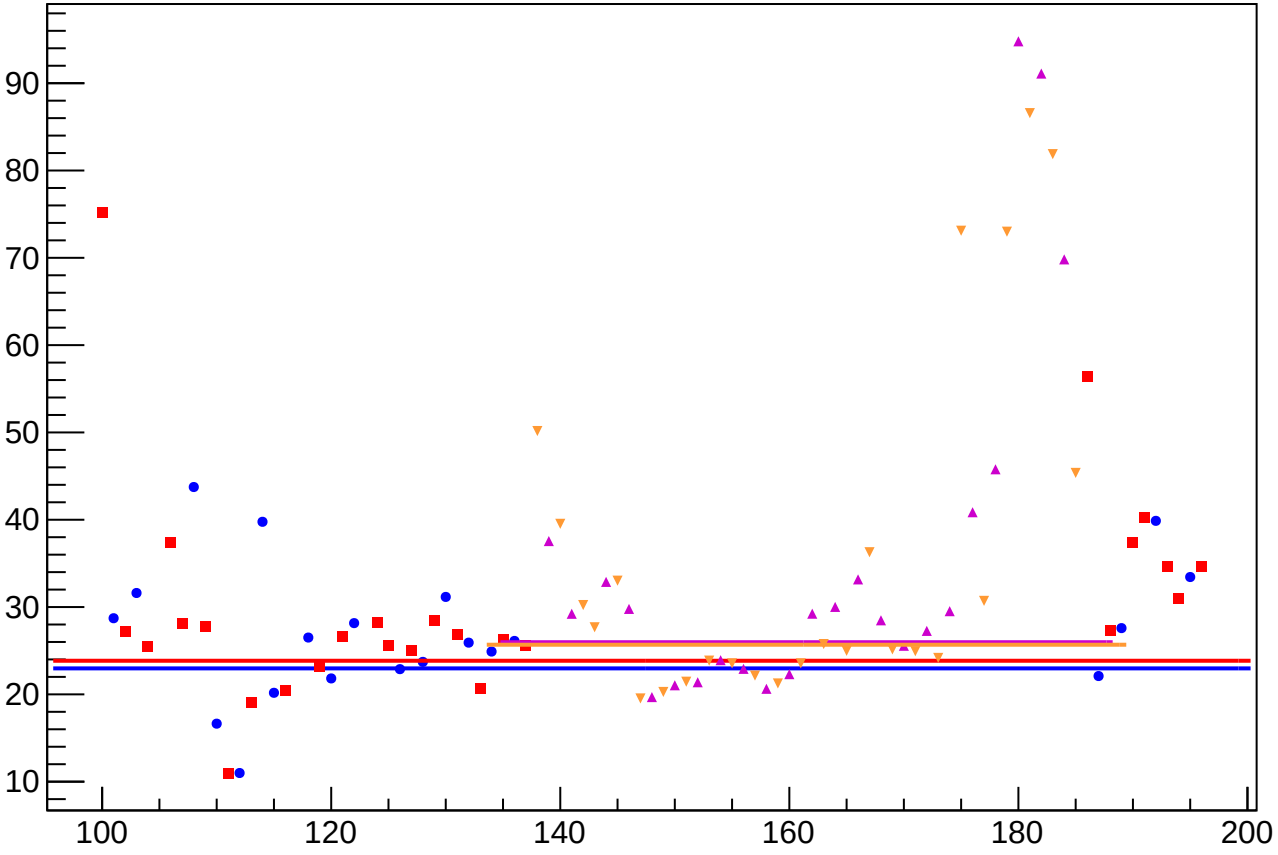
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: 0.001+/-0.004 χ^2/NDF: 114.0/93

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.974+/-0.006 χ^2/NDF: 2133334.1/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

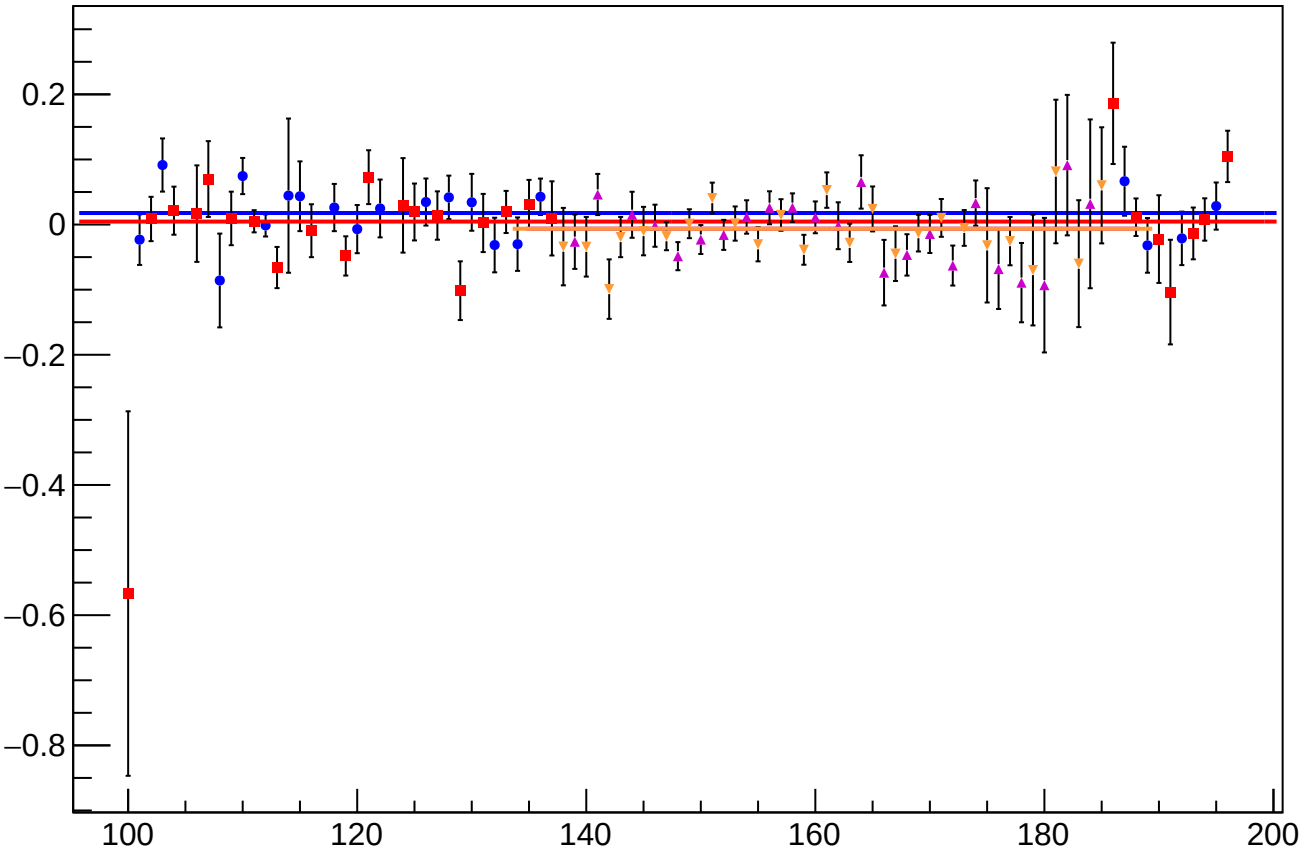
Right Out: 23.849+/-0.005 χ^2/NDF: 2311551.2/25

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144491.5/44

All: 24.838+/-0.002 χ^2/NDF: 11671018.3/93

- sign 25.042+/-0.004 χ^2/NDF: 5519746.5/48



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

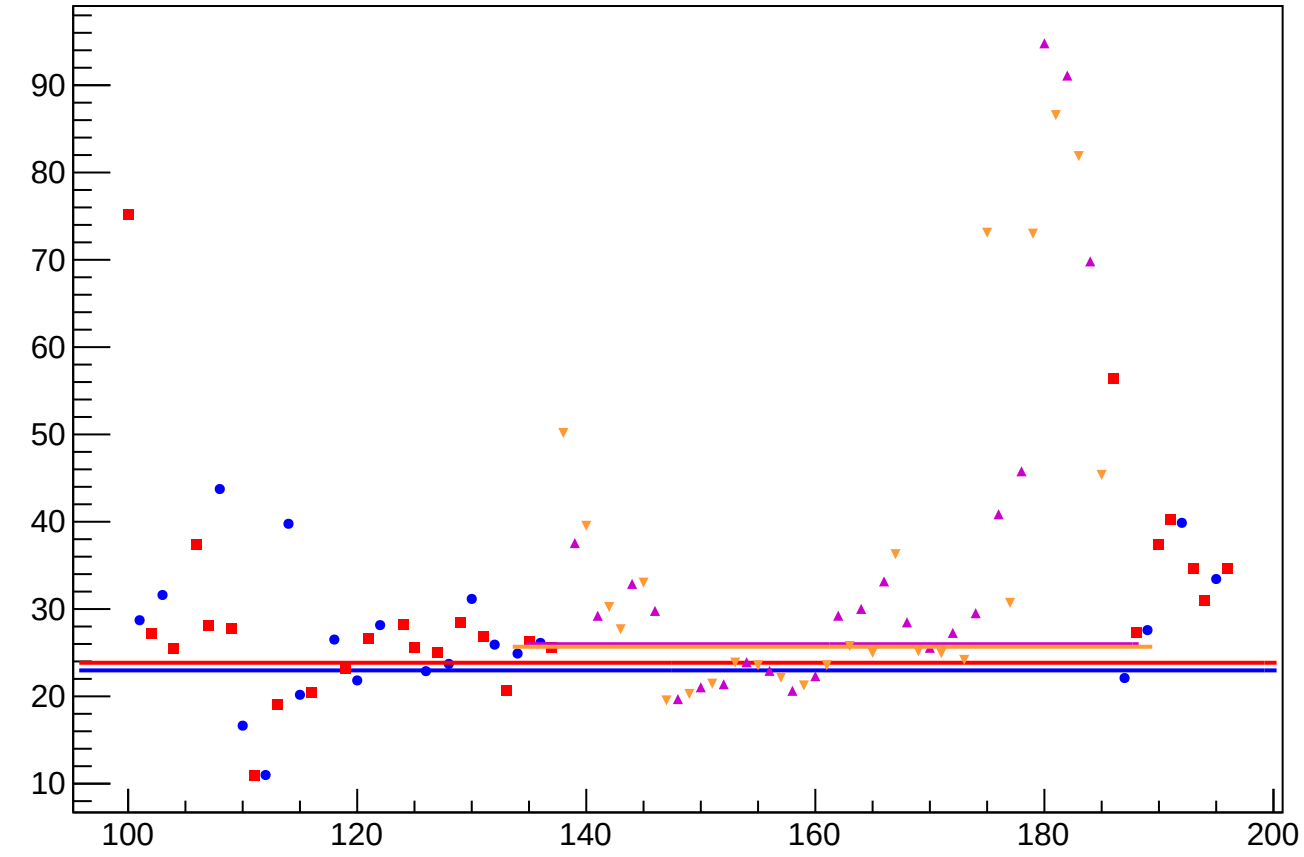
Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: 0.001+/-0.004 χ^2/NDF: 114.0/93

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48



Right In: 22.974+/-0.006 χ^2/NDF: 2133334.1/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

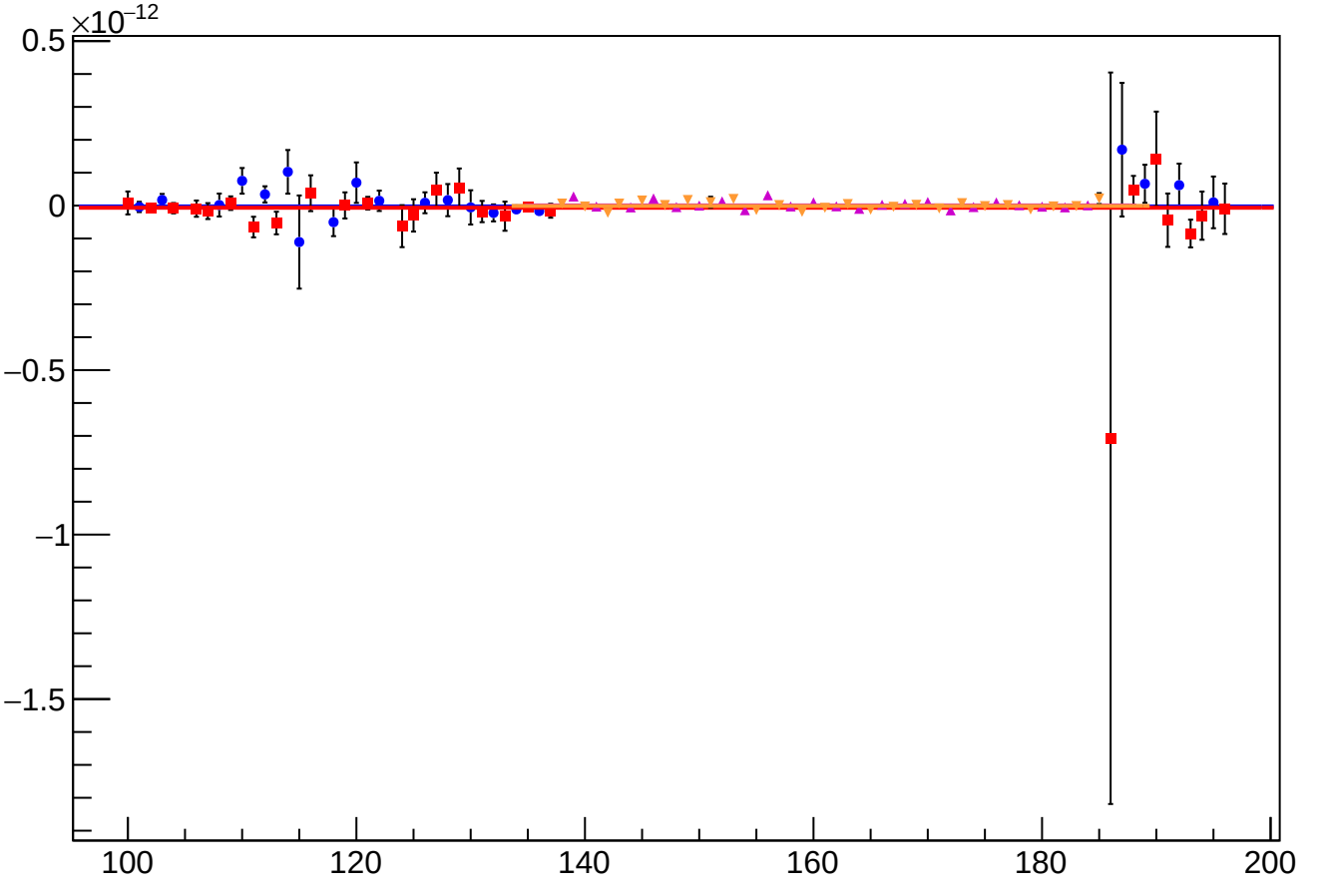
Right Out: 23.849+/-0.005 χ^2/NDF: 2311551.2/25

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144491.5/44

All: 24.838+/-0.002 χ^2/NDF: 11671018.3/93

- sign 25.042+/-0.004 χ^2/NDF: 5519746.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

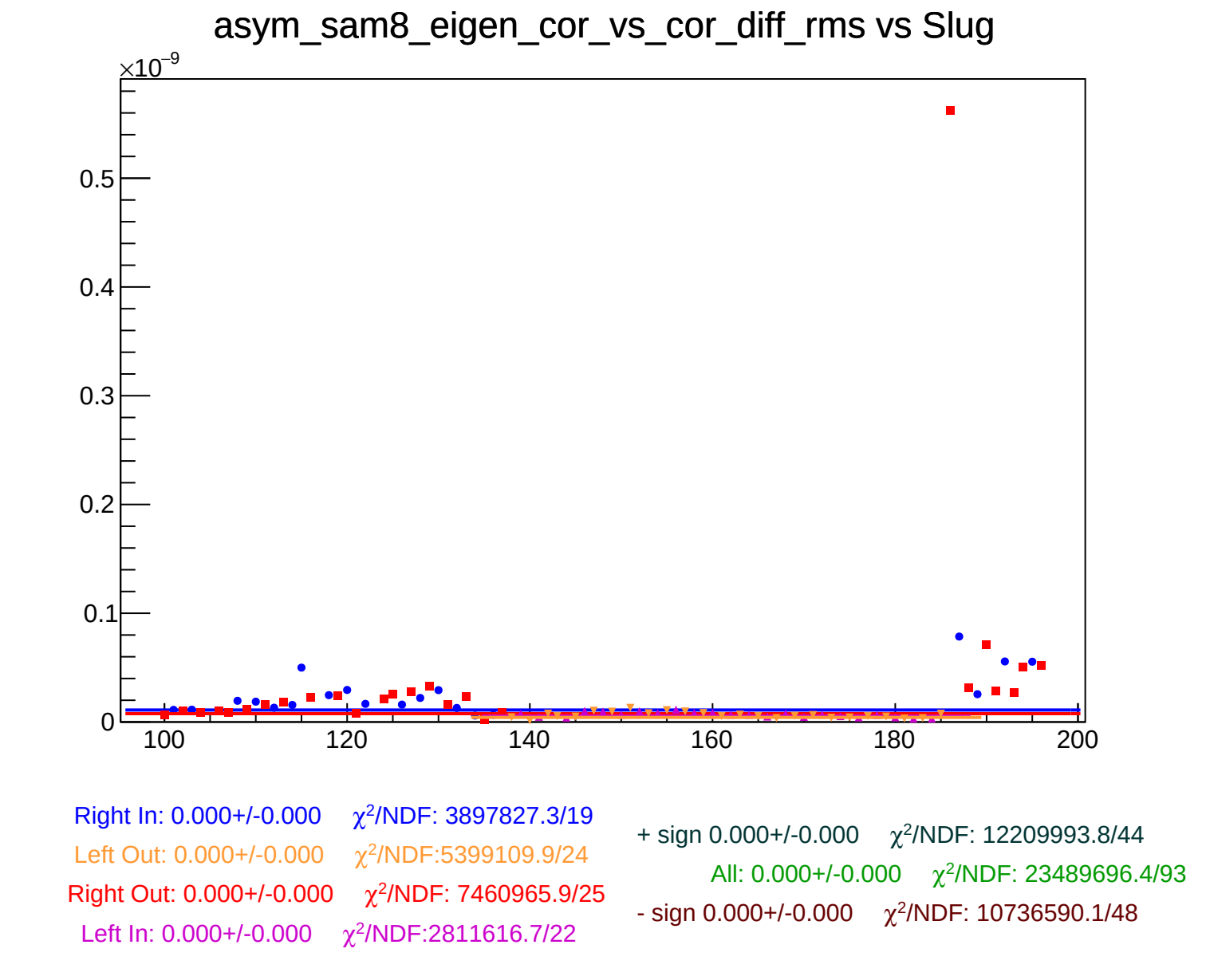
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

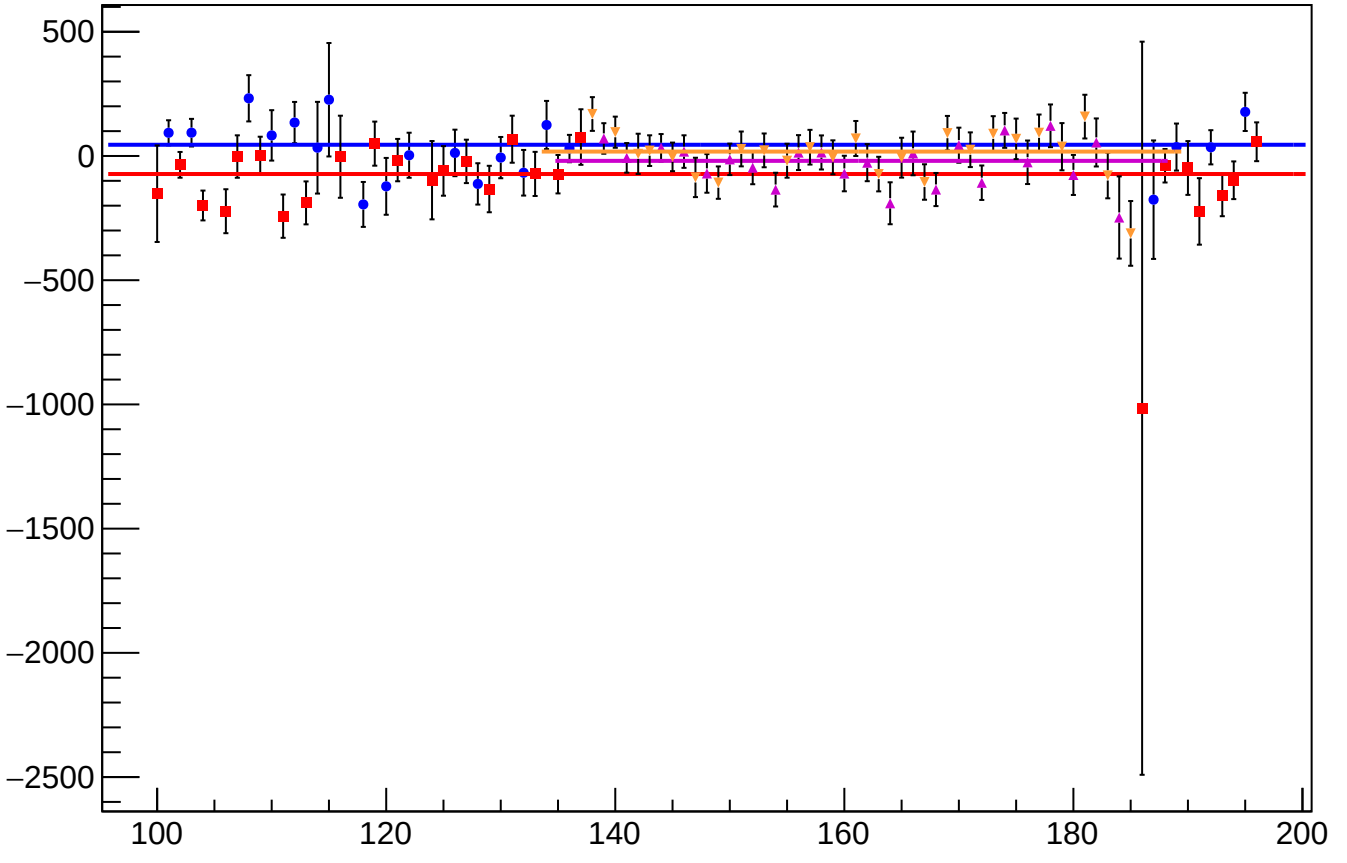
+ sign -0.000+/-0.000 χ^2/NDF: 49.2/44

All: -0.000+/-0.000 χ^2/NDF: 99.3/93

- sign -0.000+/-0.000 χ^2/NDF: 49.9/48


asym_sam8_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: 3897827.3/19
Left Out: 0.000+/-0.000 χ²/NDF:5399109.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7460965.9/25
Left In: 0.000+/-0.000 χ²/NDF:2811616.7/22
+ sign 0.000+/-0.000 χ²/NDF: 12209993.8/44
All: 0.000+/-0.000 χ²/NDF: 23489696.4/93
- sign 0.000+/-0.000 χ²/NDF: 10736590.1/48

reg_asym_sam_15_avg_mean vs Slug



Right In: 45.161+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.583+/-17.166 χ^2/NDF: 28.4/25

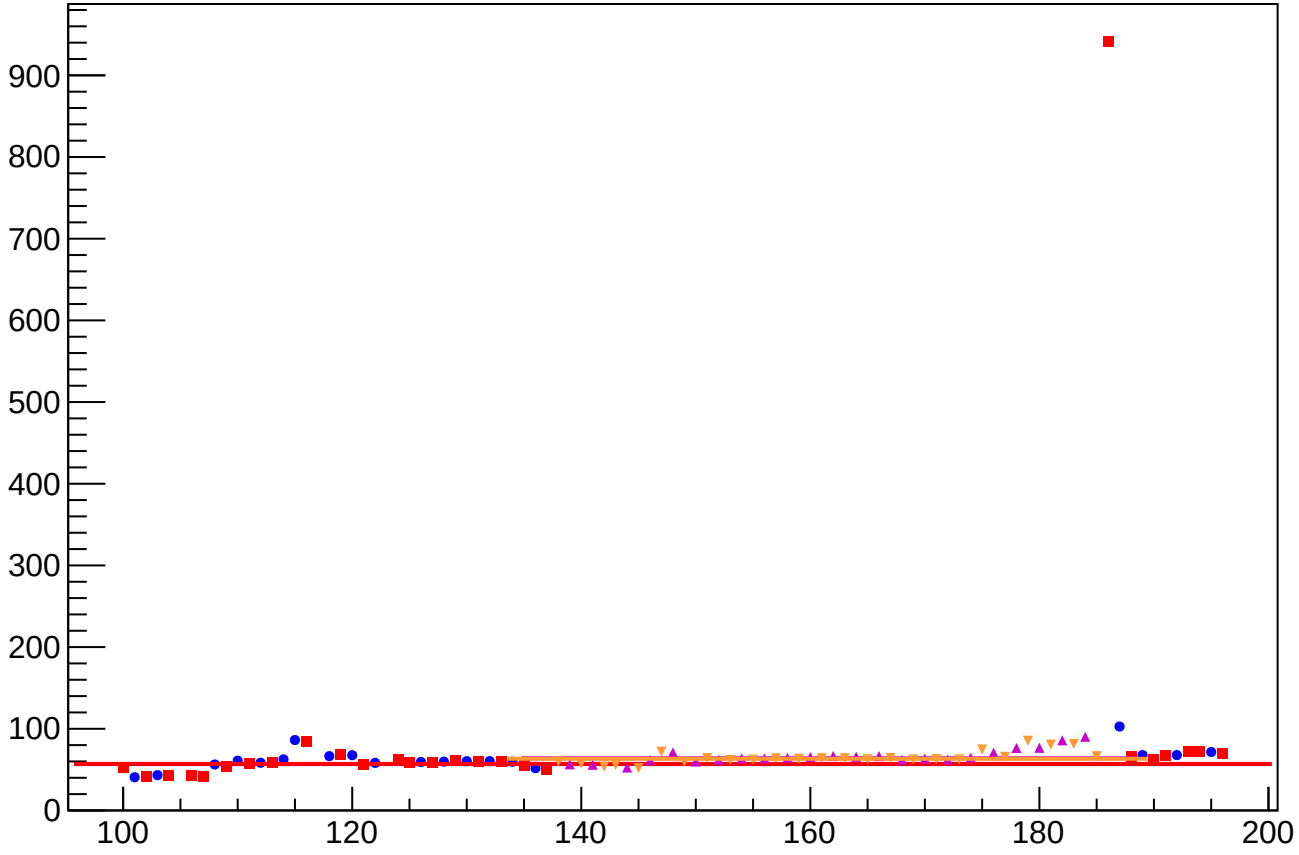
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.180+/-11.419 χ^2/NDF: 60.2/44

All: -7.560+/-8.037 χ^2/NDF: 139.6/93

- sign -42.633+/-11.312 χ^2/NDF: 60.0/48

reg_asym_sam_15_avg_rms vs Slug



Right In: 56.776+/-0.013 χ^2/NDF: 659780.4/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.998+/-0.012 χ^2/NDF: 1492877.5/25

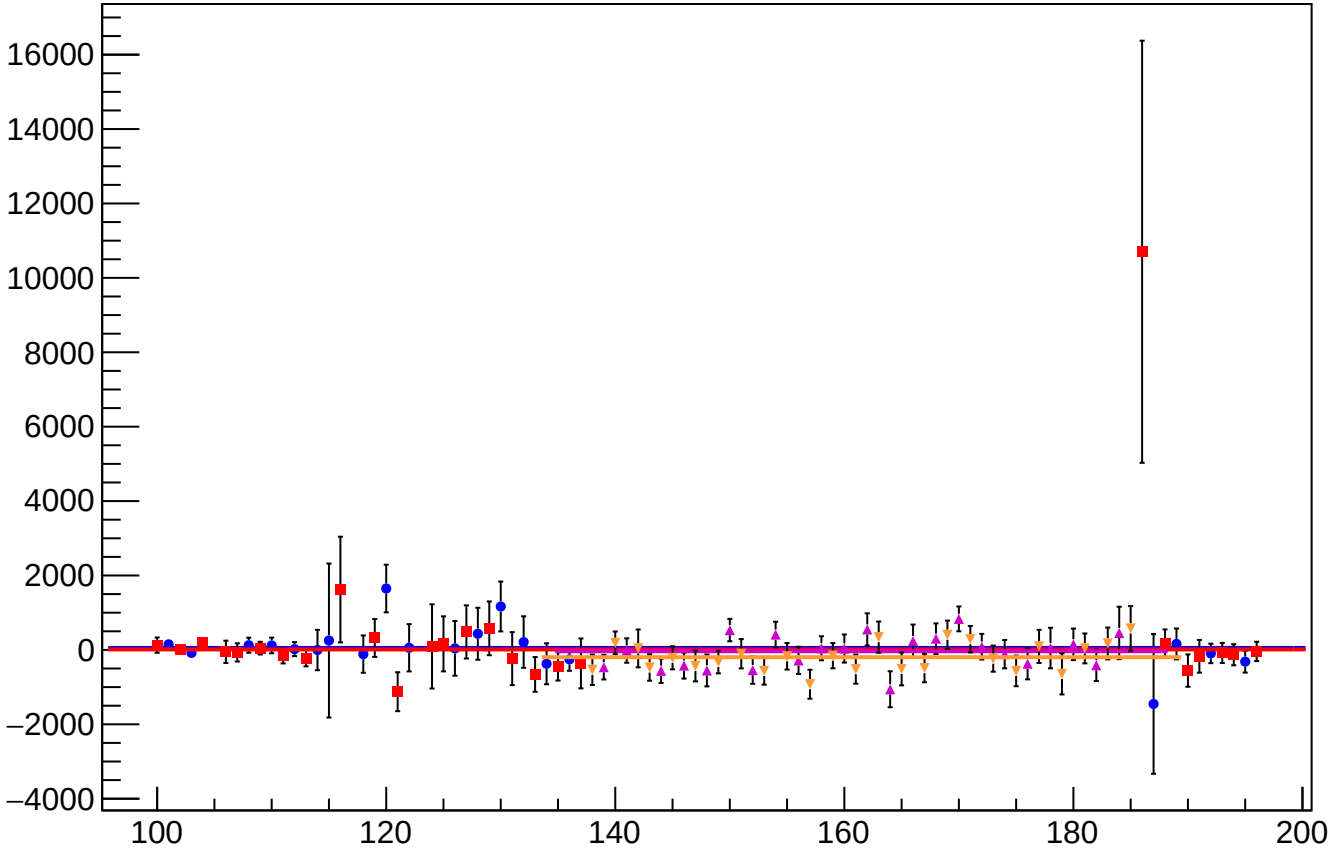
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.833+/-0.008 χ^2/NDF: 1311488.8/44

All: 60.873+/-0.006 χ^2/NDF: 3433588.7/93

- sign 60.913+/-0.008 χ^2/NDF: 2122050.0/48

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 52.441+/-44.942 χ^2/NDF: 18.4/19

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 12.096+/-46.915 χ^2/NDF: 24.2/25

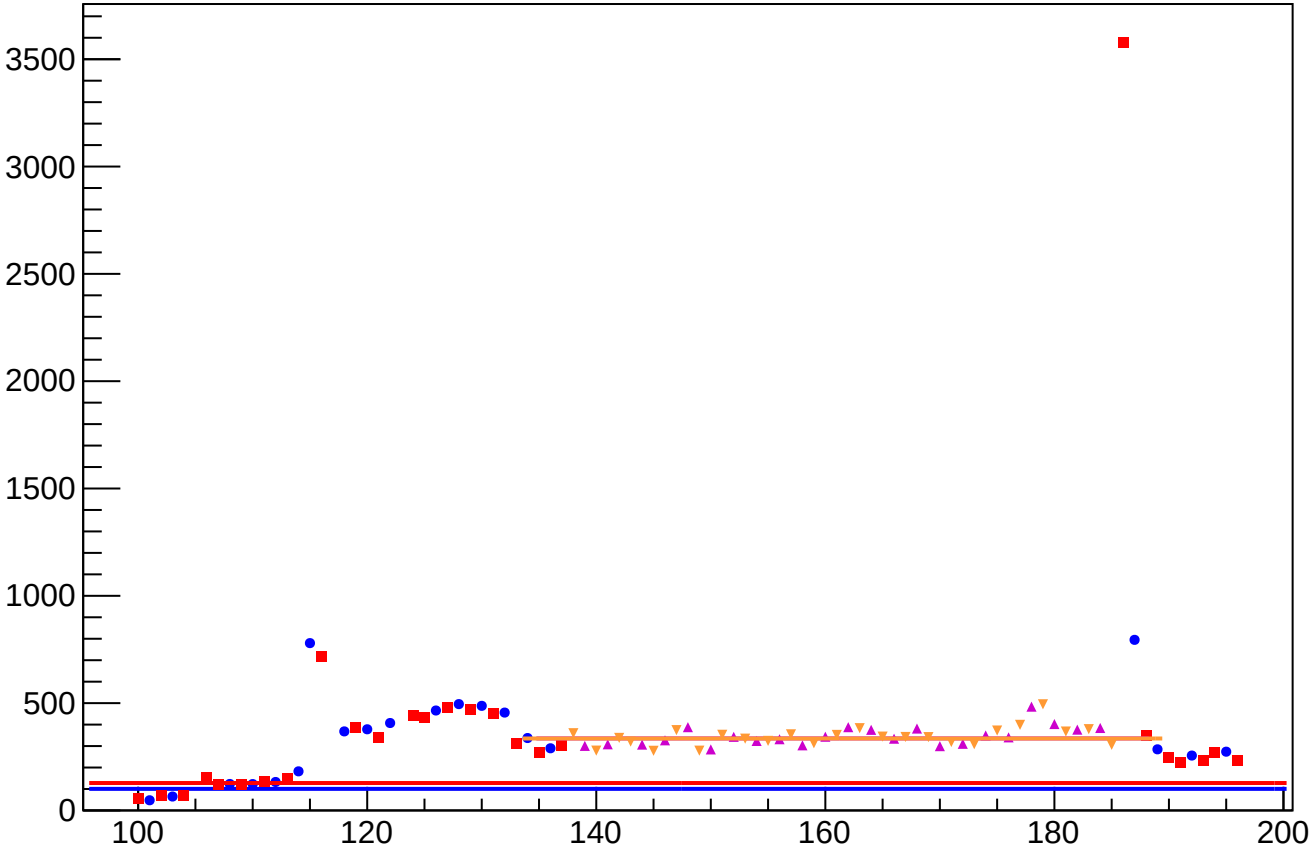
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -10.566+/-38.825 χ^2/NDF: 46.7/44

All: -5.730+/-27.983 χ^2/NDF: 102.3/93

- sign -0.502+/-40.366 χ^2/NDF: 55.5/48

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 100.598+/-0.032 χ^2/NDF: 8842396.4/19

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 127.787+/-0.033 χ^2/NDF: 8513419.9/25

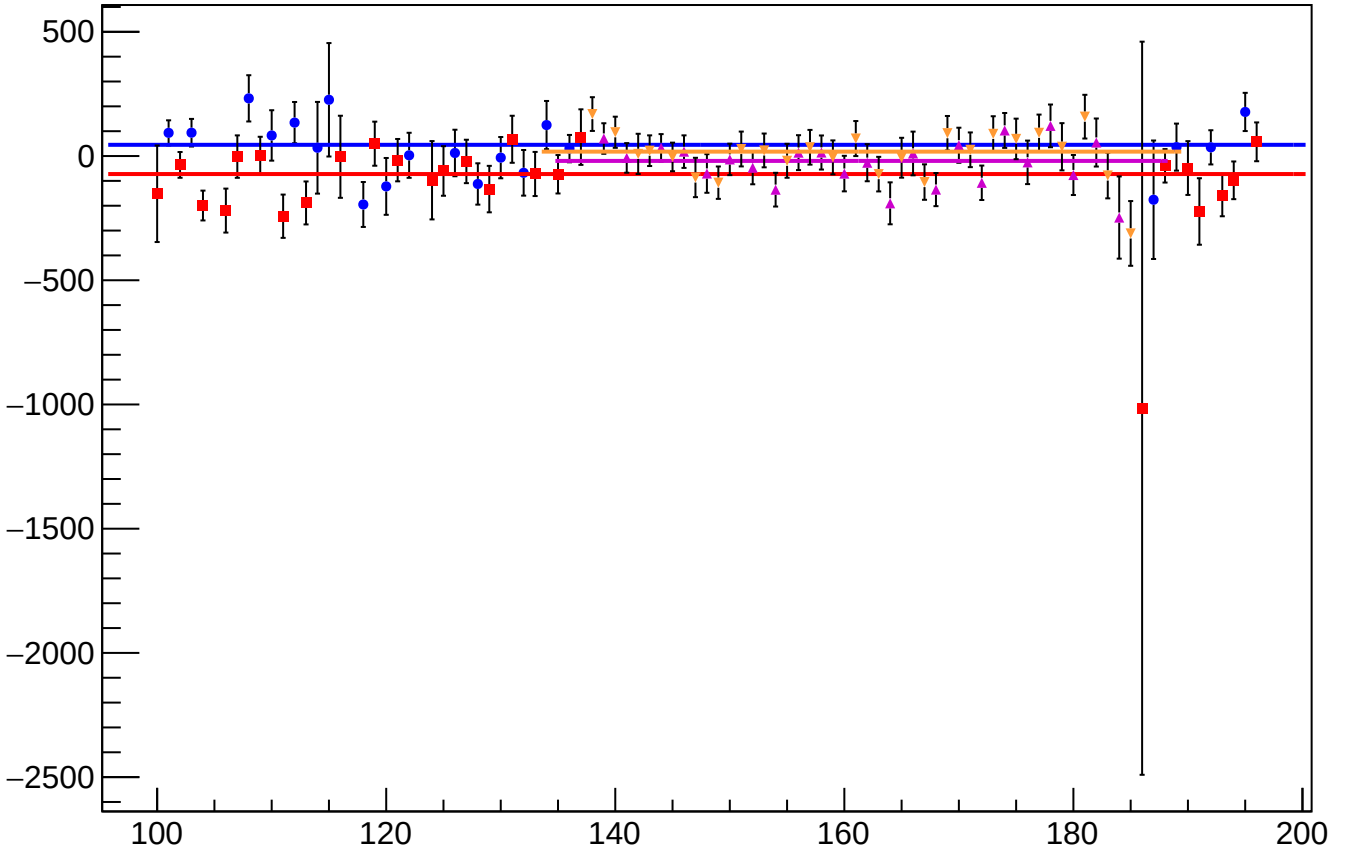
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 160.126+/-0.027 χ^2/NDF: 23239161.2/44

All: 170.511+/-0.020 χ^2/NDF: 42729472.1/93

- sign 181.736+/-0.029 χ^2/NDF: 19192554.2/48

cor_asym_sam_15_avg_mean vs Slug



Right In: 45.172+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.481+/-17.167 χ^2/NDF: 28.3/25

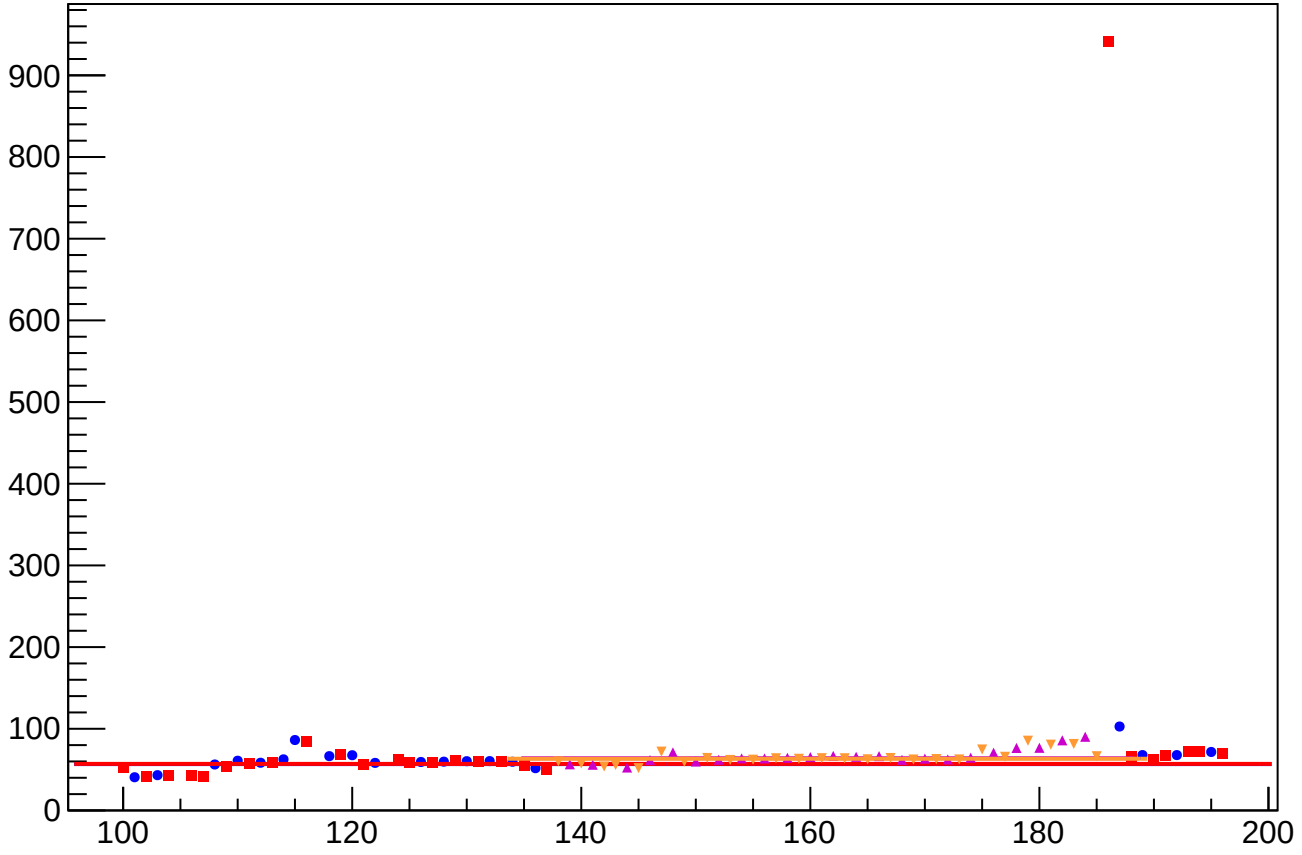
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.187+/-11.419 χ^2/NDF: 60.2/44

All: -7.533+/-8.037 χ^2/NDF: 139.4/93

- sign -42.587+/-11.313 χ^2/NDF: 59.9/48

cor_asym_sam_15_avg_rms vs Slug



Right In: 56.776+/-0.013 χ^2/NDF: 659779.6/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.997+/-0.012 χ^2/NDF: 1493267.0/25

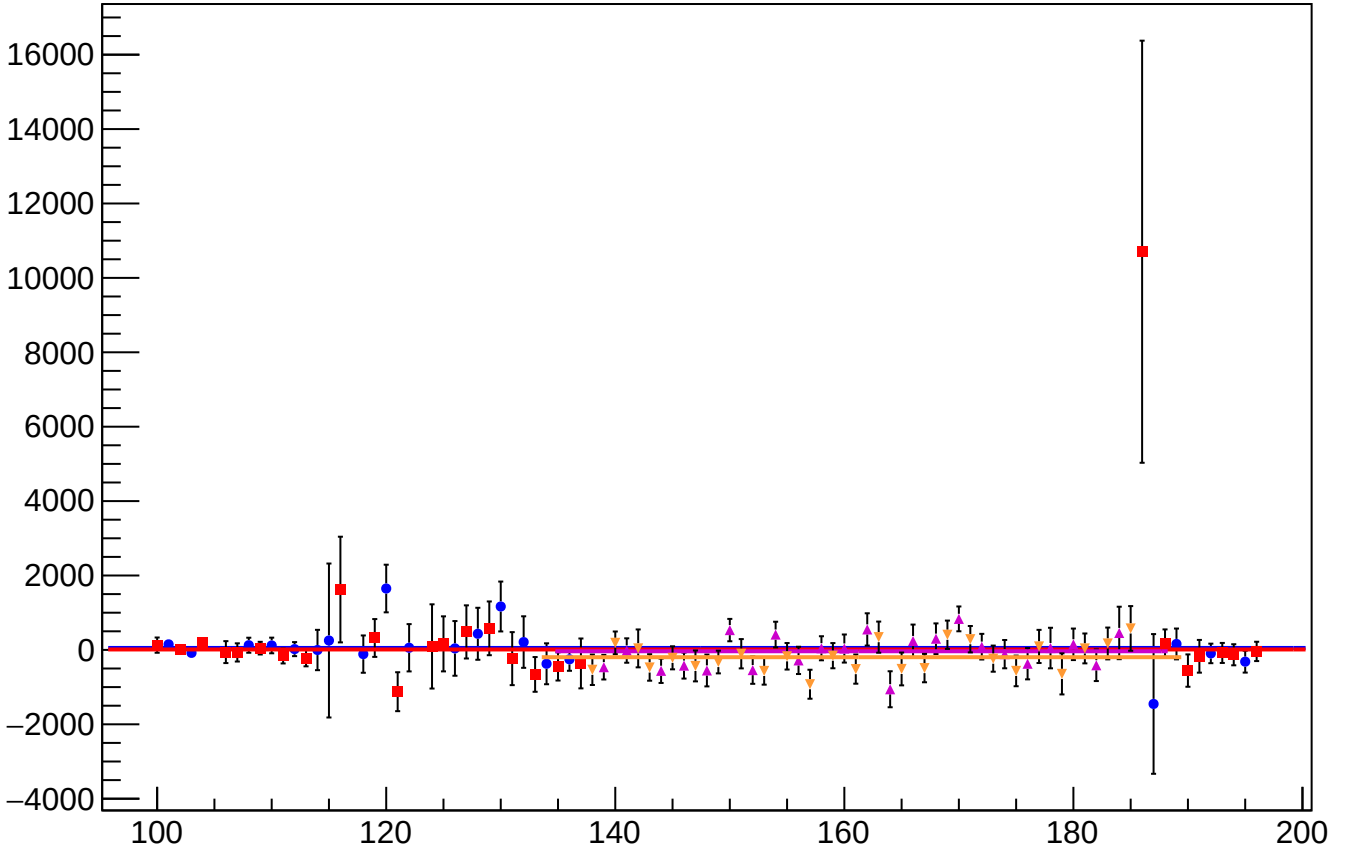
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.833+/-0.008 χ^2/NDF: 1311487.7/44

All: 60.873+/-0.006 χ^2/NDF: 3434032.2/93

- sign 60.913+/-0.008 χ^2/NDF: 2122495.1/48

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 52.445+/-44.941 χ^2/NDF: 18.4/19

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

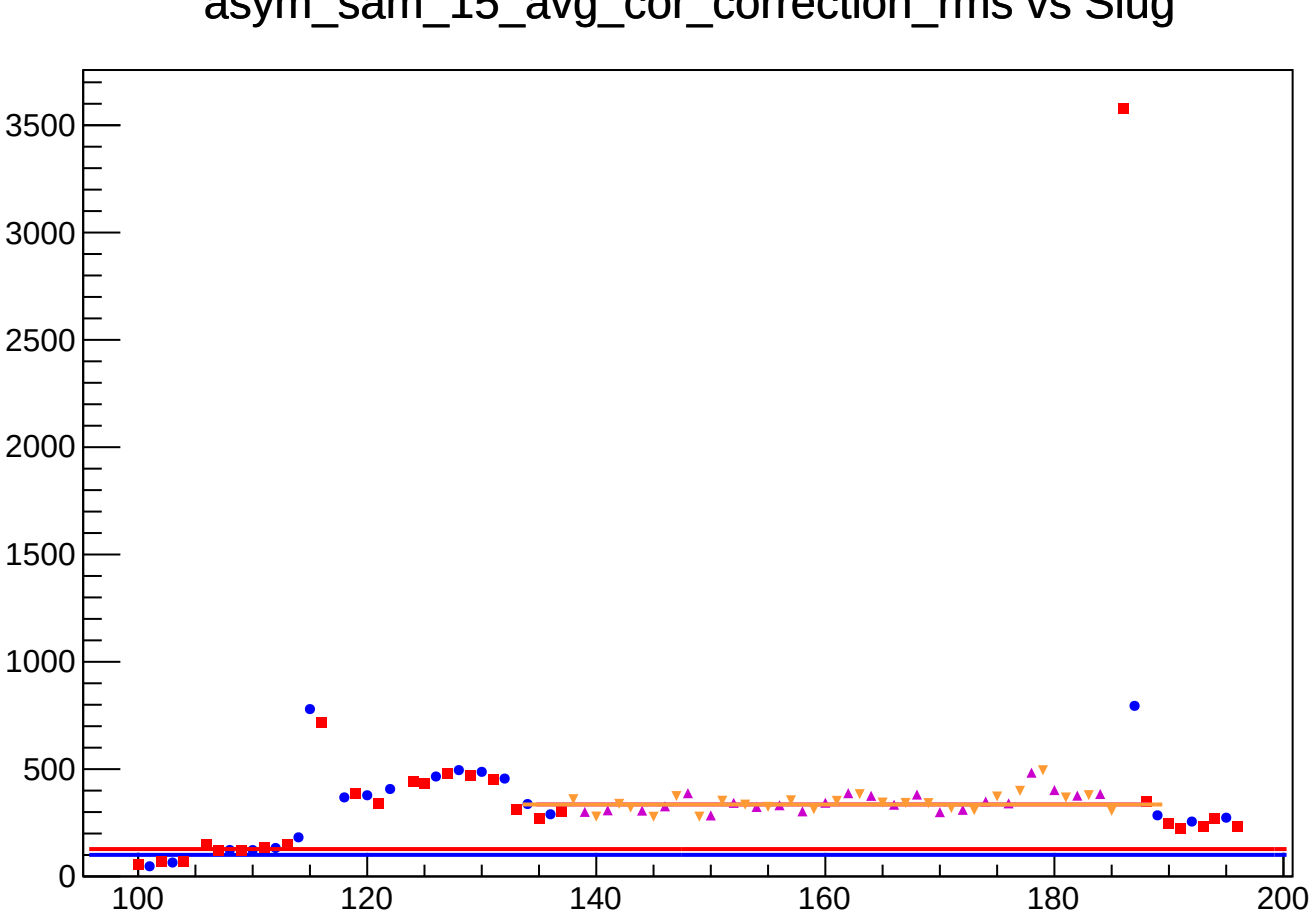
Right Out: 11.734+/-46.880 χ^2/NDF: 24.2/25

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -10.560+/-38.825 χ^2/NDF: 46.7/44

All: -5.846+/-27.975 χ^2/NDF: 102.3/93

- sign -0.756+/-40.344 χ^2/NDF: 55.5/48



Right In: 100.595+/-0.032 χ^2/NDF: 8842540.9/19

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 127.603+/-0.033 χ^2/NDF: 8511424.1/25

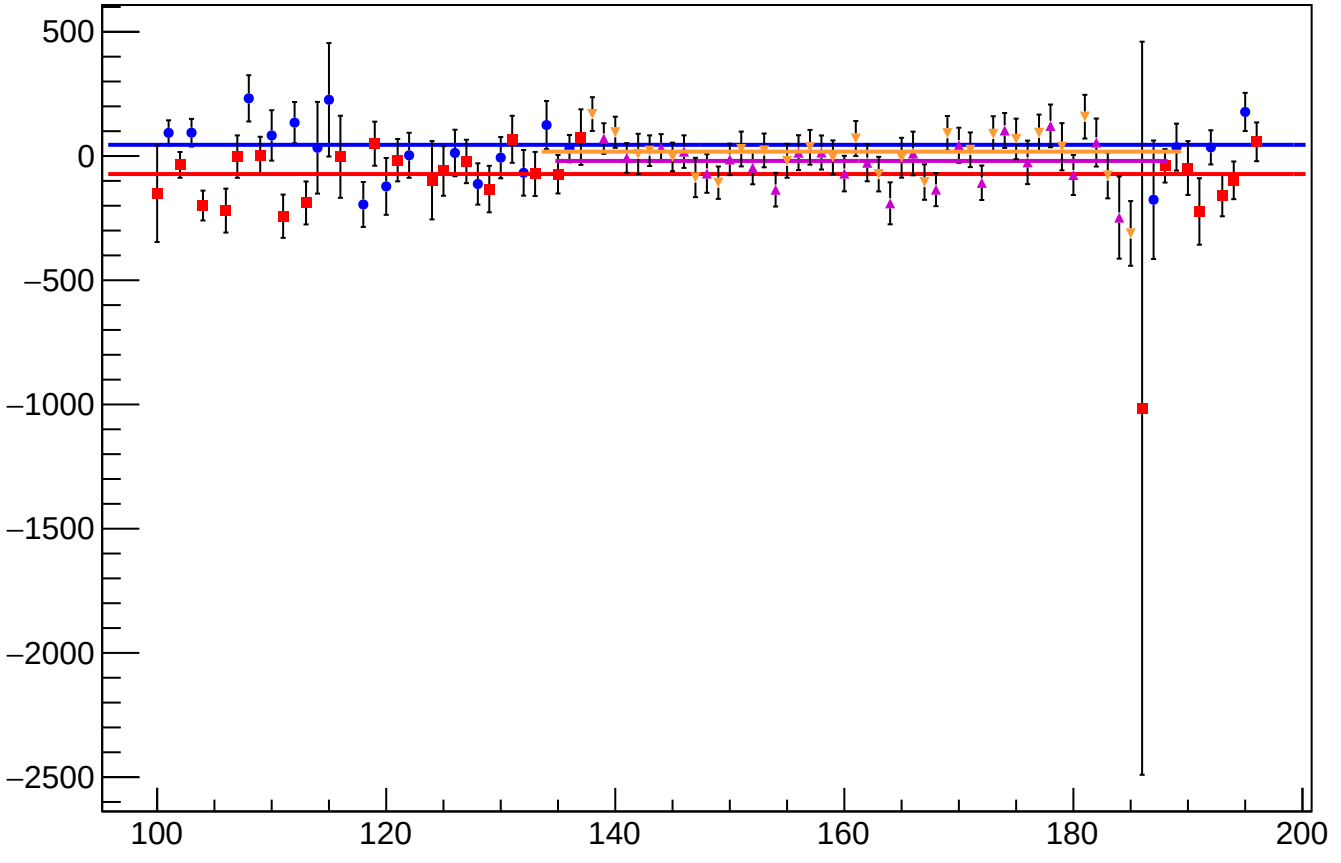
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 160.122+/-0.027 χ^2/NDF: 23239791.9/44

All: 170.421+/-0.020 χ^2/NDF: 42745004.7/93

- sign 181.541+/-0.029 χ^2/NDF: 19212541.1/48

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 45.172+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.481+/-17.167 χ^2/NDF: 28.3/25

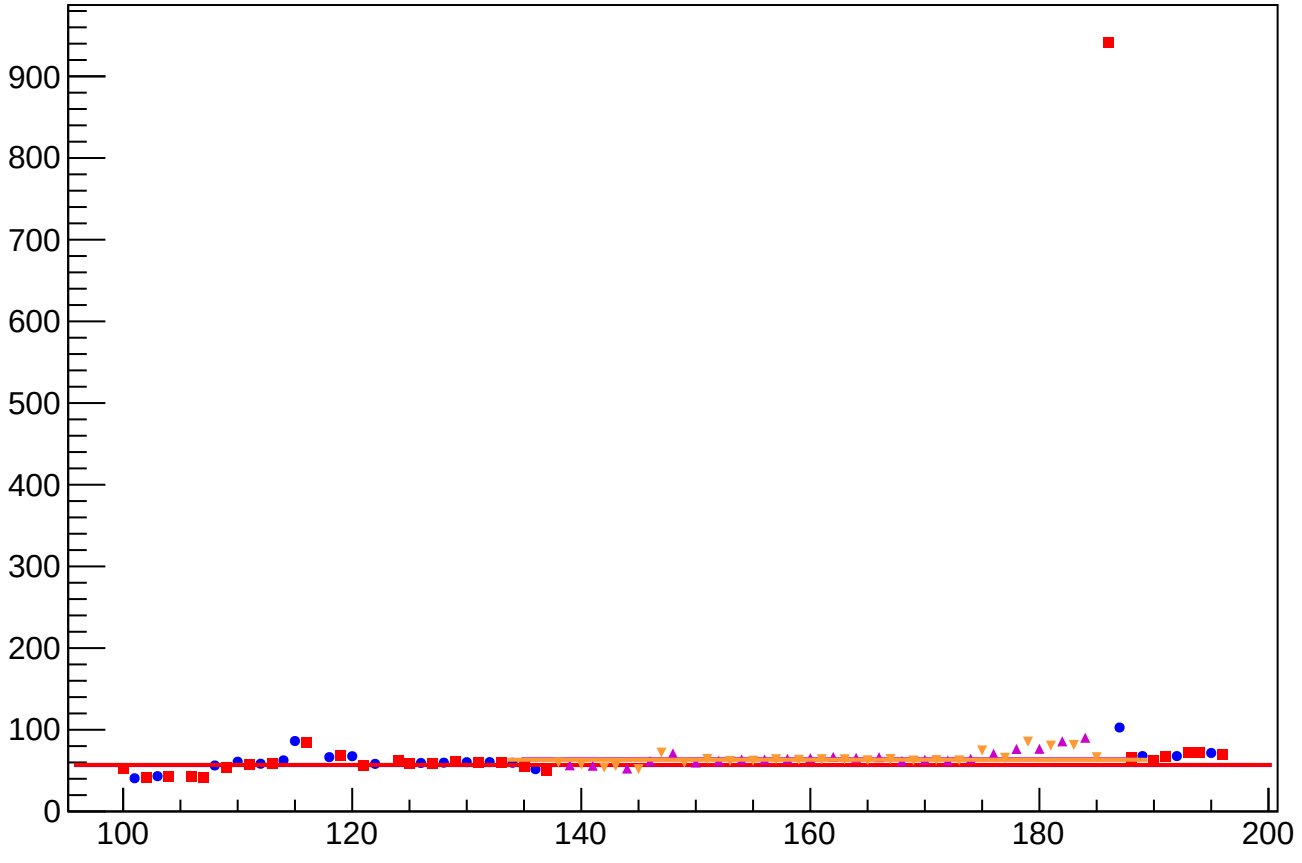
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.187+/-11.419 χ^2/NDF: 60.2/44

All: -7.533+/-8.037 χ^2/NDF: 139.4/93

- sign -42.587+/-11.313 χ^2/NDF: 59.9/48

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 56.776+/-0.013 χ^2/NDF: 659779.6/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.997+/-0.012 χ^2/NDF: 1493267.0/25

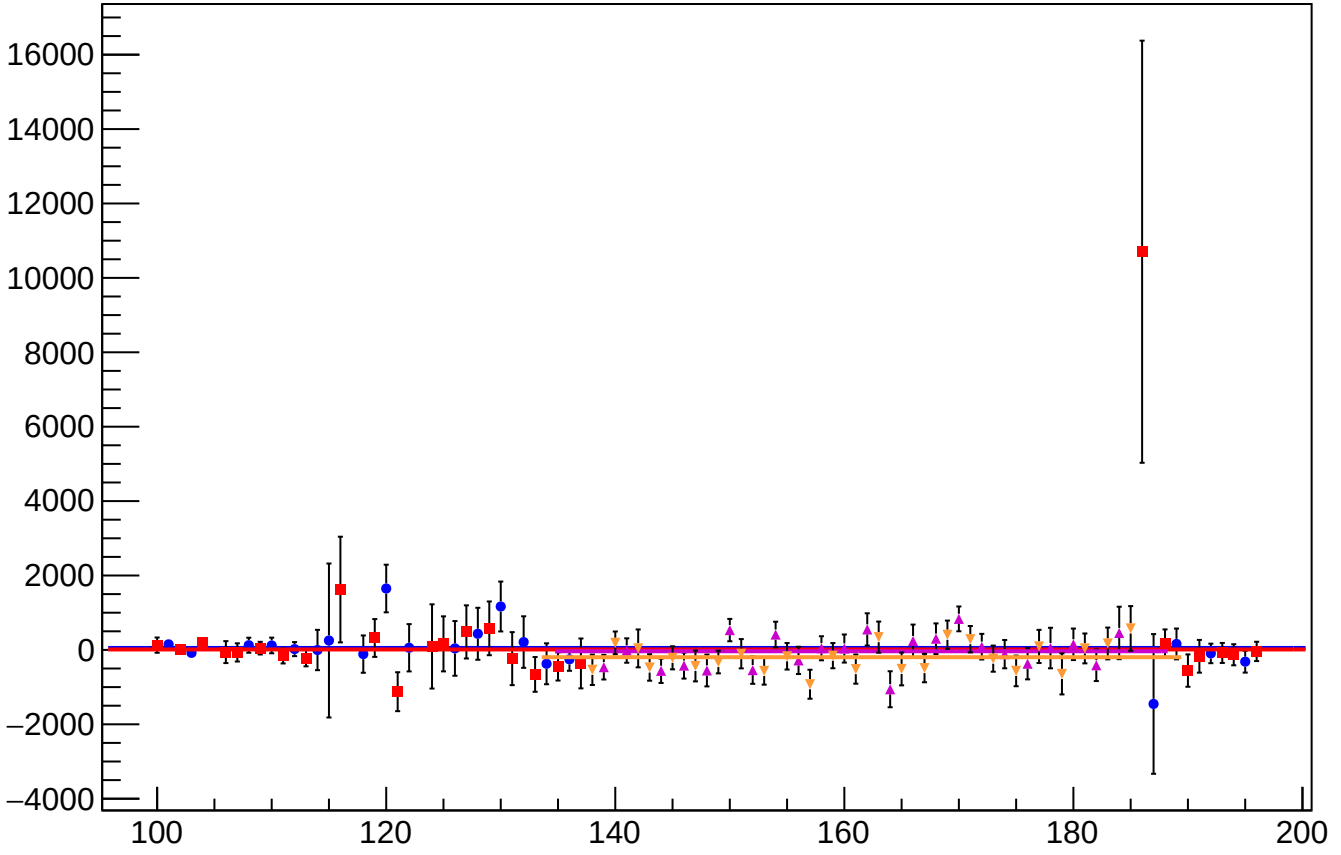
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.833+/-0.008 χ^2/NDF: 1311487.7/44

All: 60.873+/-0.006 χ^2/NDF: 3434032.2/93

- sign 60.913+/-0.008 χ^2/NDF: 2122495.1/48

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 52.445+/-44.941 χ^2/NDF: 18.4/19

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

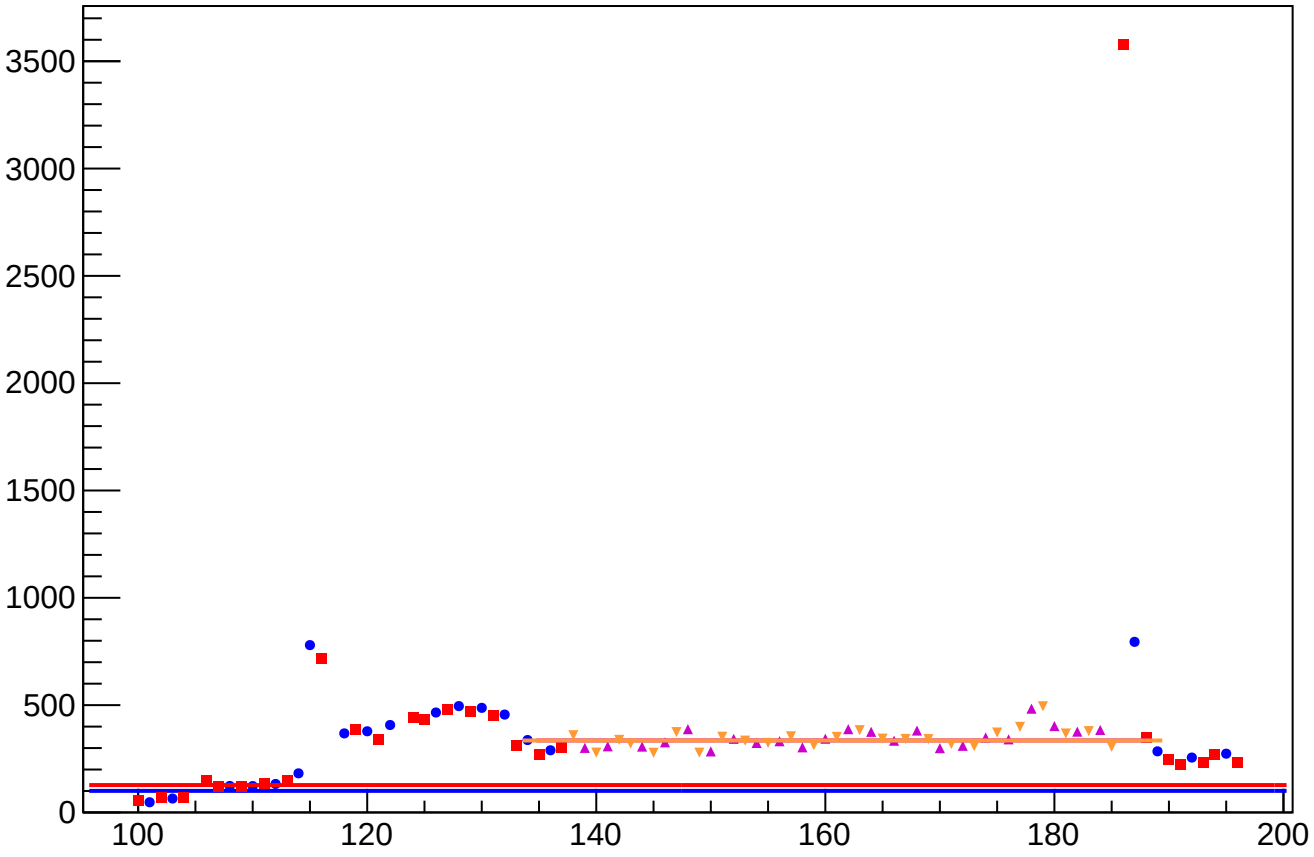
Right Out: 11.734+/-46.880 χ^2/NDF: 24.2/25

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -10.560+/-38.825 χ^2/NDF: 46.7/44

All: -5.846+/-27.975 χ^2/NDF: 102.3/93

- sign -0.756+/-40.344 χ^2/NDF: 55.5/48



Right In: 100.595+/-0.032 χ^2/NDF: 8842540.9/19

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 127.603+/-0.033 χ^2/NDF: 8511424.1/25

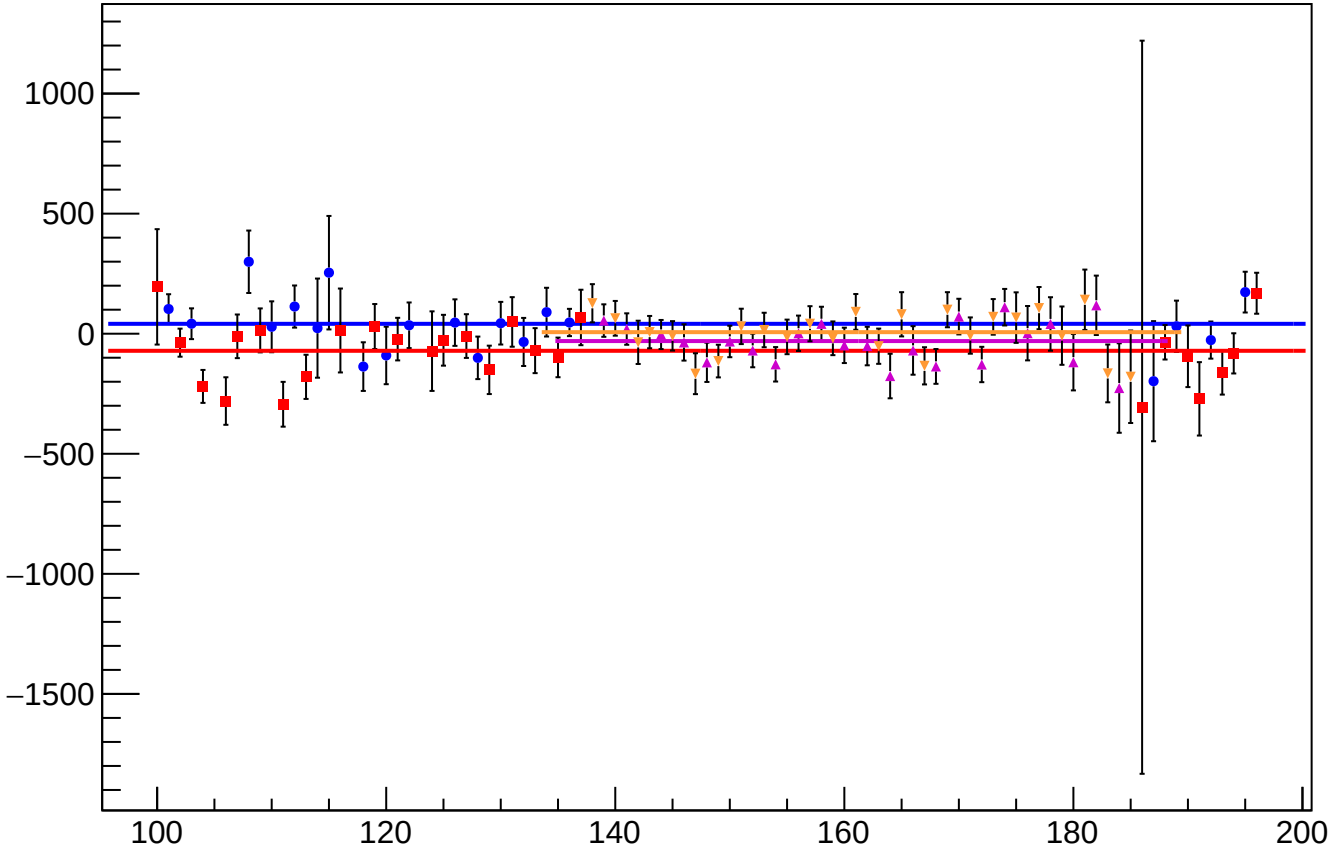
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 160.122+/-0.027 χ^2/NDF: 23239791.9/44

All: 170.421+/-0.020 χ^2/NDF: 42745004.7/93

- sign 181.541+/-0.029 χ^2/NDF: 19212541.1/48

dit_asym_sam_15_avg_mean vs Slug



Right In: 41.175+/-20.487 χ^2/NDF: 18.3/19

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -71.172+/-18.752 χ^2/NDF: 35.8/25

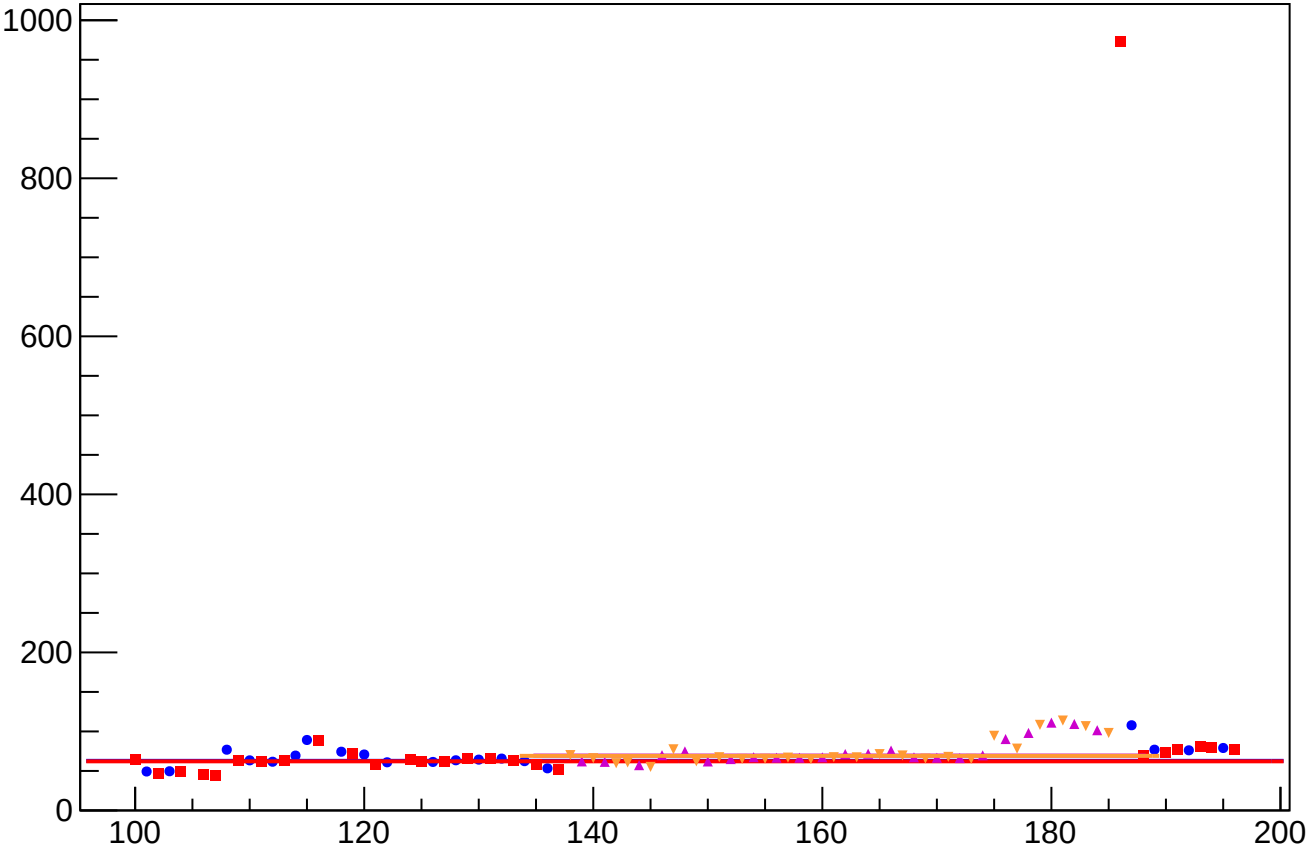
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 19.595+/-12.599 χ^2/NDF: 45.1/44

All: -14.946+/-8.833 χ^2/NDF: 120.8/93

- sign -48.344+/-12.389 χ^2/NDF: 60.9/48

dit_asym_sam_15_avg_rms vs Slug



Right In: 62.779+/-0.014 χ^2/NDF: 558393.8/19

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.185+/-0.013 χ^2/NDF: 1437412.5/25

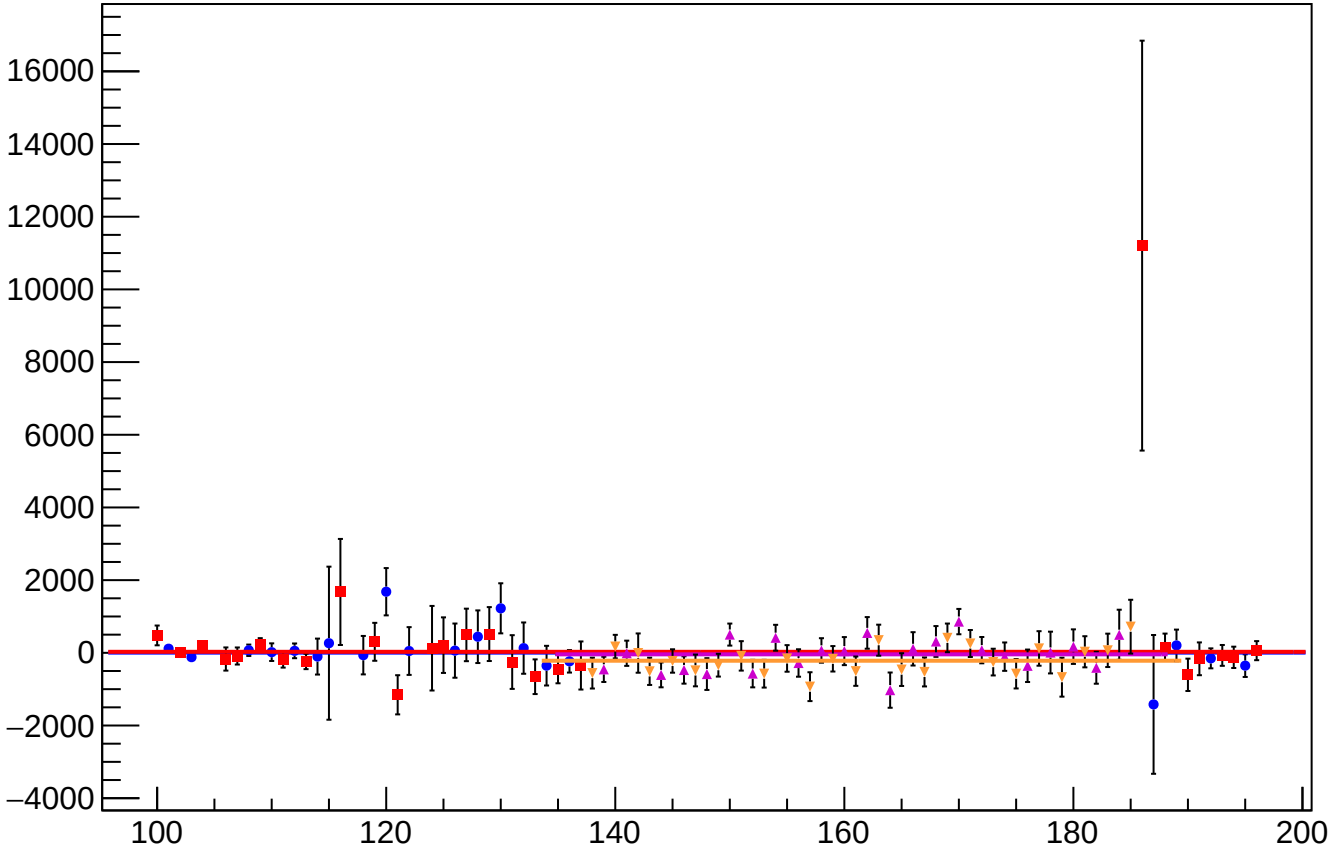
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.696+/-0.009 χ^2/NDF: 1749981.2/44

All: 66.480+/-0.006 χ^2/NDF: 4281708.8/93

- sign 66.271+/-0.009 χ^2/NDF: 2530570.9/48

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 6.078+/-51.475 χ^2/NDF: 17.1/19

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.020+/-49.466 χ^2/NDF: 28.2/25

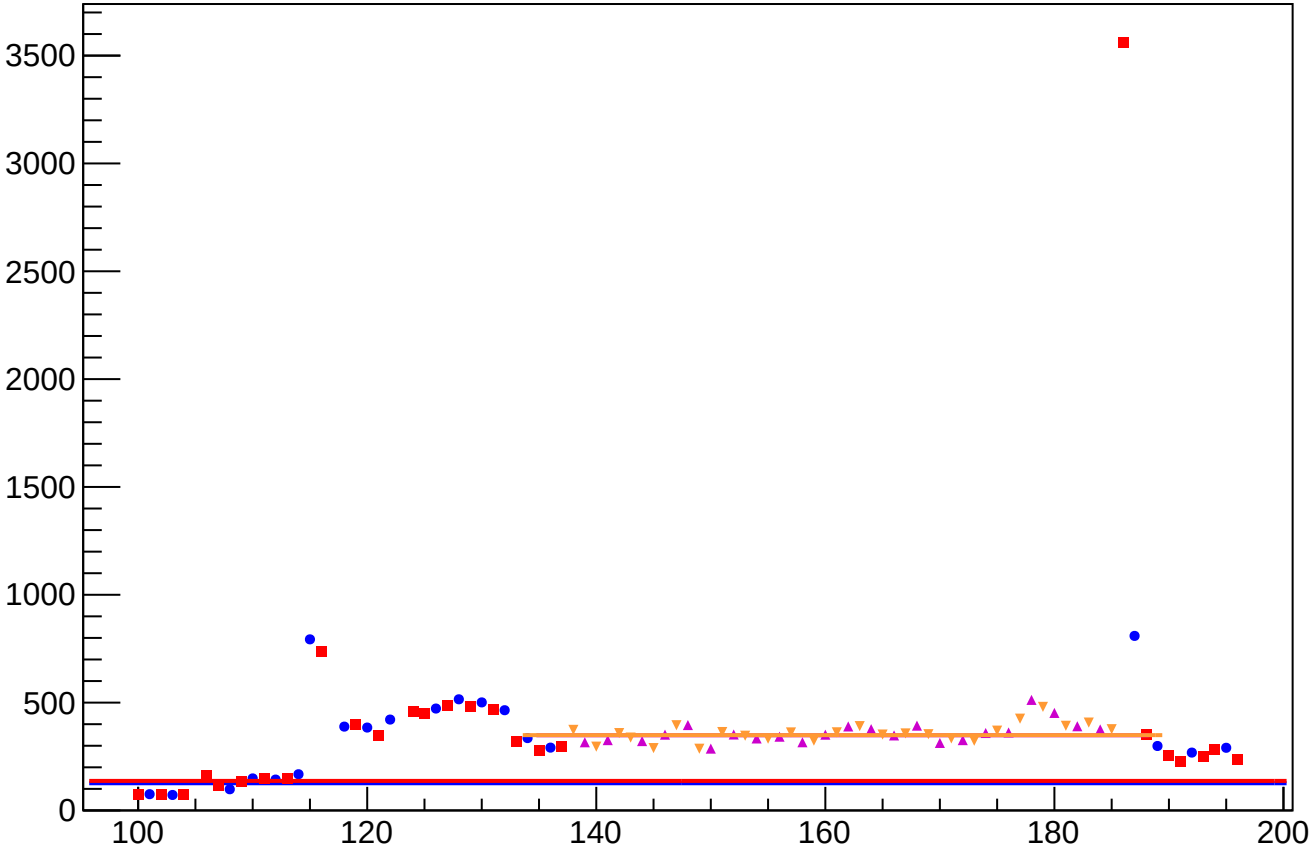
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -59.185+/-43.309 χ^2/NDF: 42.0/44

All: -24.080+/-30.294 χ^2/NDF: 102.0/93

- sign 9.553+/-42.391 χ^2/NDF: 58.8/48

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 126.119+/-0.036 χ^2/NDF: 7392202.3/19

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 137.043+/-0.035 χ^2/NDF: 8134434.7/25

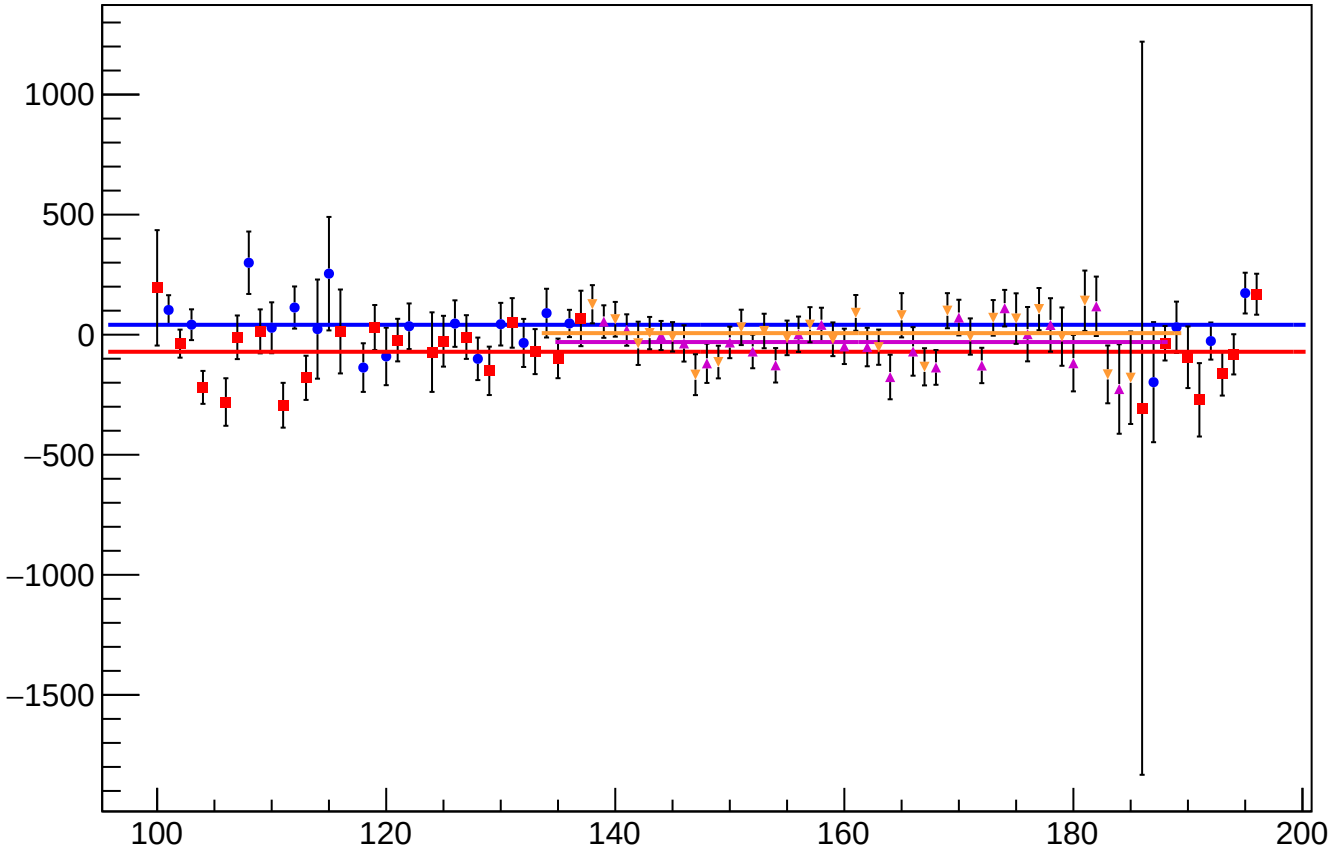
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 191.274+/-0.031 χ^2/NDF: 18886419.3/44

All: 192.268+/-0.021 χ^2/NDF: 37260871.6/93

- sign 193.221+/-0.030 χ^2/NDF: 18372388.3/48

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 41.175+/-20.487 χ^2/NDF: 18.3/19

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -71.172+/-18.752 χ^2/NDF: 35.8/25

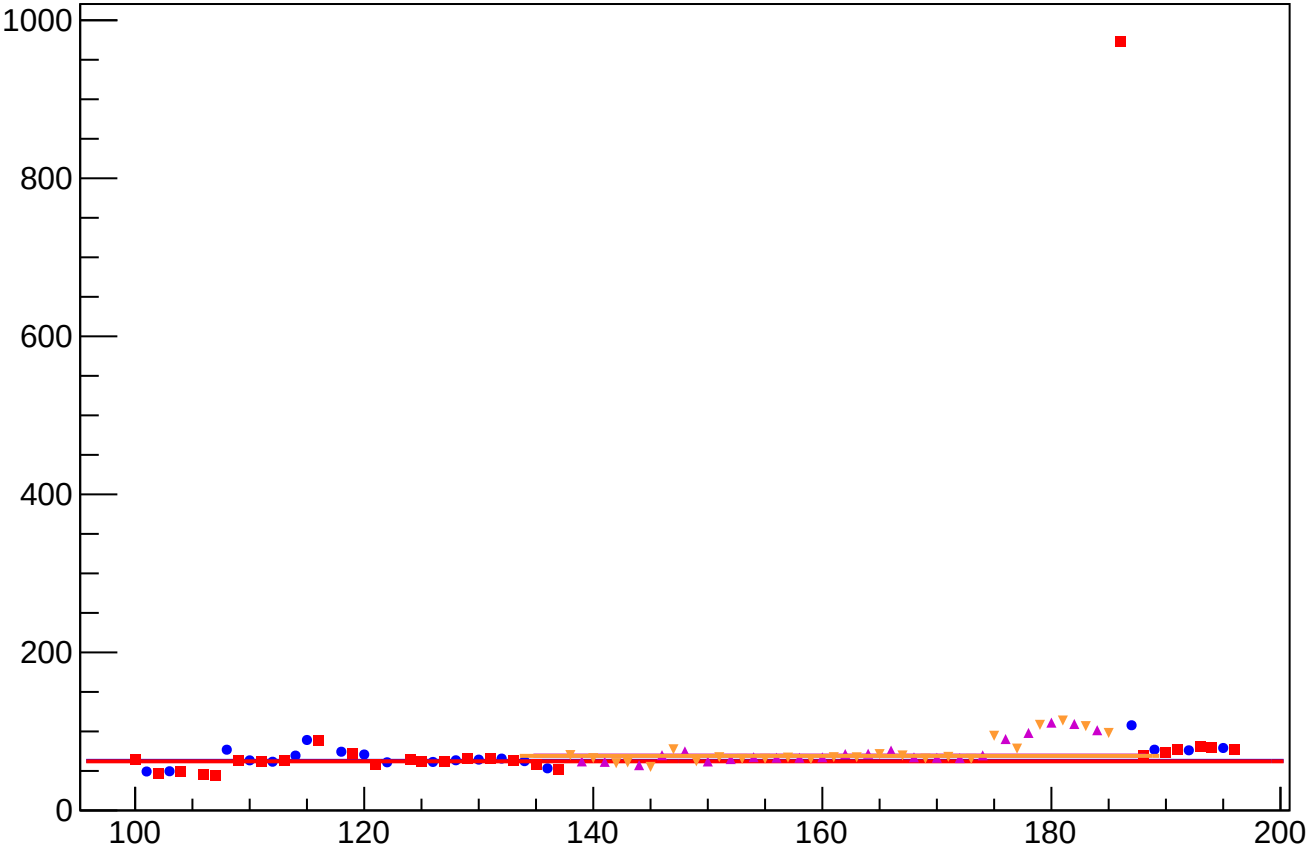
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 19.595+/-12.599 χ^2/NDF: 45.1/44

All: -14.946+/-8.833 χ^2/NDF: 120.8/93

- sign -48.344+/-12.389 χ^2/NDF: 60.9/48

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 62.779+/-0.014 χ^2/NDF: 558394.7/19

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.185+/-0.013 χ^2/NDF: 1437410.8/25

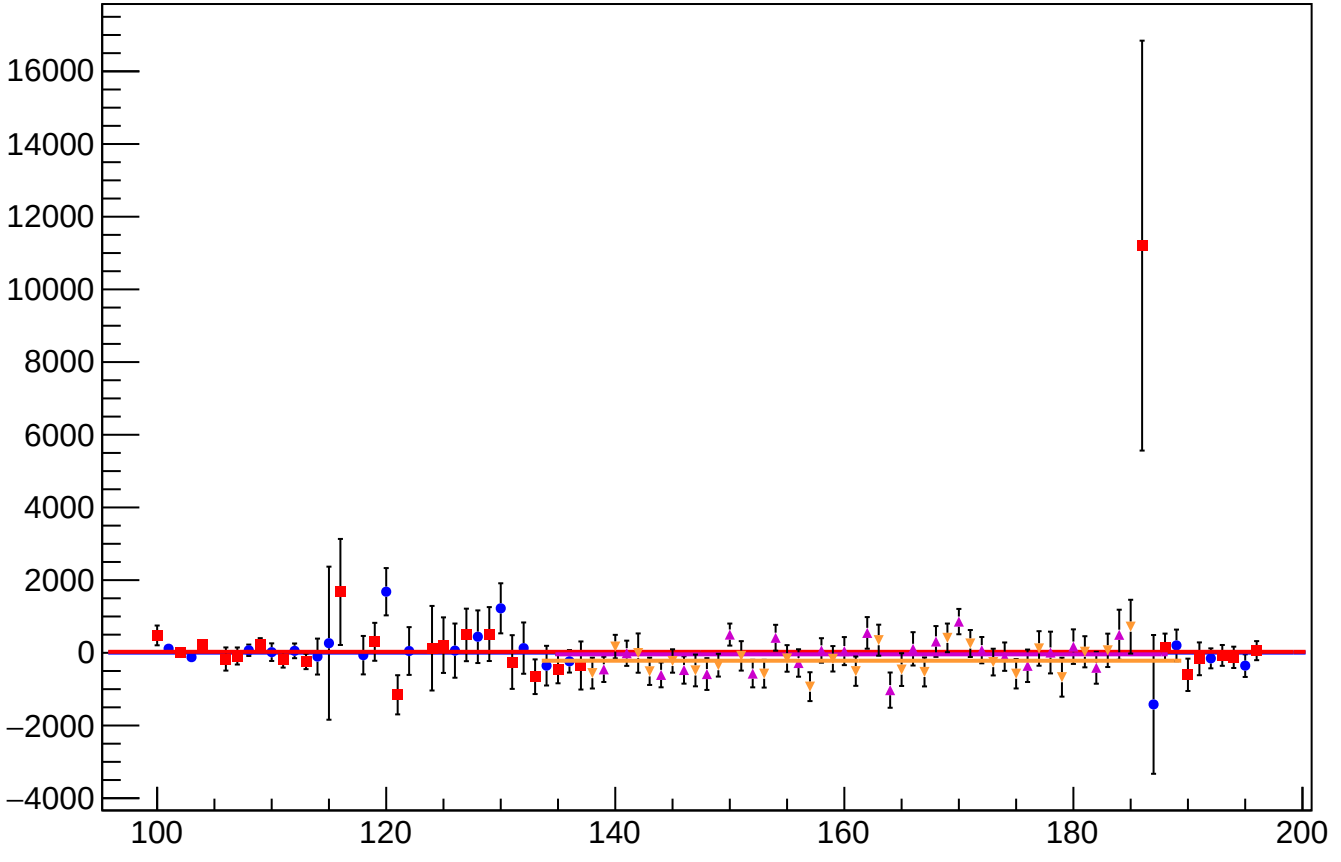
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.696+/-0.009 χ^2/NDF: 1749970.2/44

All: 66.480+/-0.006 χ^2/NDF: 4281690.2/93

- sign 66.271+/-0.009 χ^2/NDF: 2530563.4/48

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 6.078+/-51.475 χ^2/NDF: 17.1/19

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.020+/-49.466 χ^2/NDF: 28.2/25

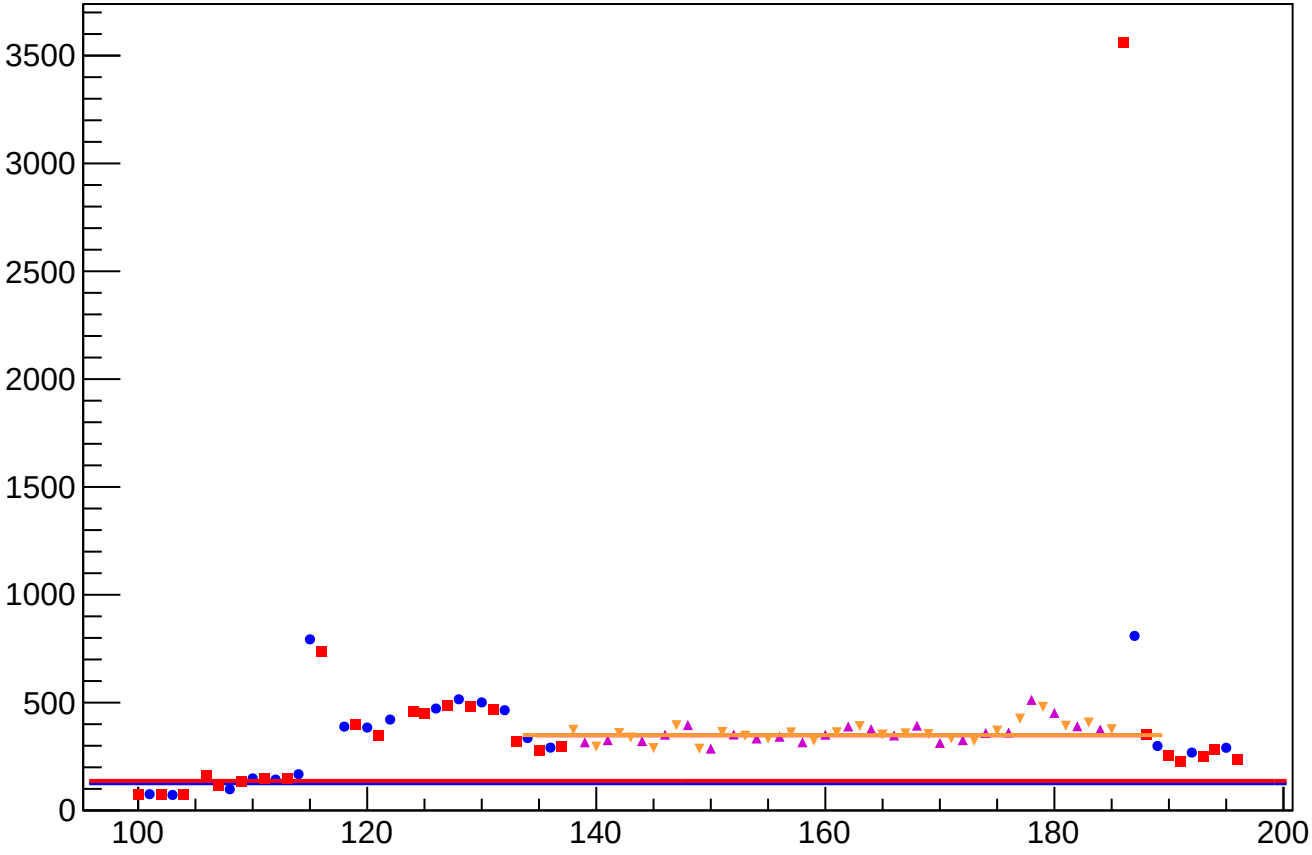
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -59.185+/-43.309 χ^2/NDF: 42.0/44

All: -24.080+/-30.294 χ^2/NDF: 102.0/93

- sign 9.553+/-42.391 χ^2/NDF: 58.8/48

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 126.118+/-0.036 χ^2/NDF: 7392205.8/19

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 137.043+/-0.035 χ^2/NDF: 8134457.0/25

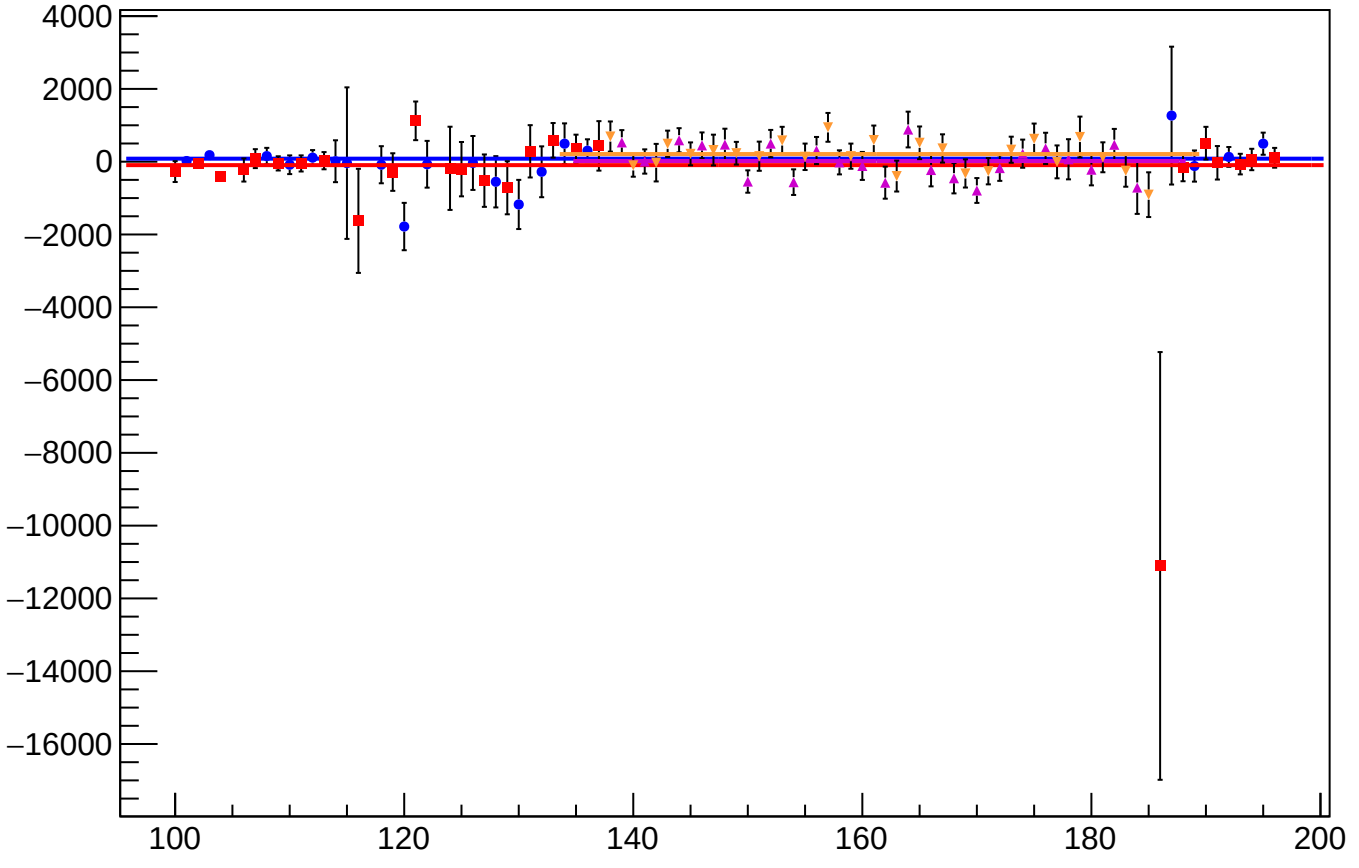
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 191.274+/-0.031 χ^2/NDF: 18886481.6/44

All: 192.268+/-0.021 χ^2/NDF: 37261030.3/93

- sign 193.220+/-0.030 χ^2/NDF: 18372485.0/48

asym_sam_15_avg_mean vs Slug



Right In: 82.791+/-56.283 χ^2/NDF: 18.3/19

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -94.764+/-53.281 χ^2/NDF: 27.5/25

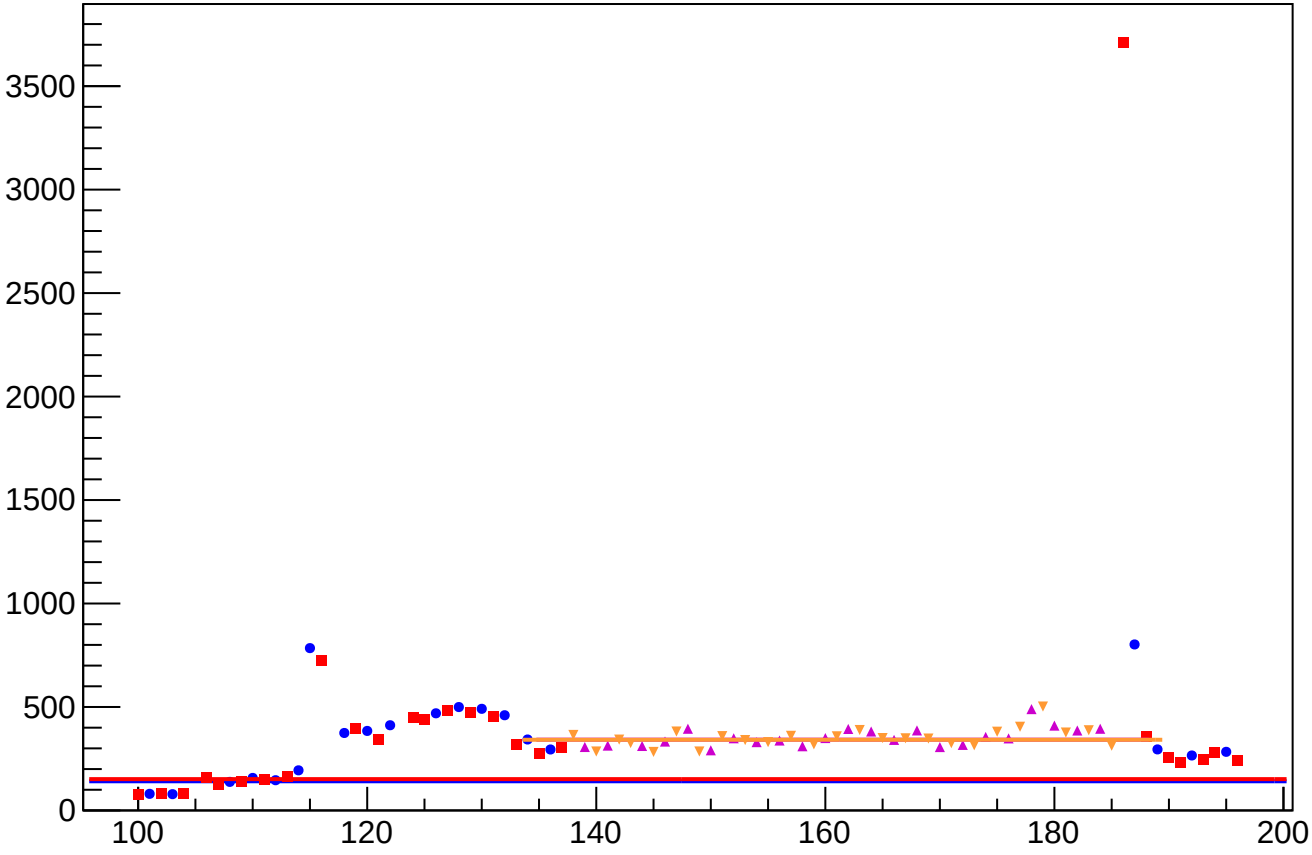
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 125.912+/-45.743 χ^2/NDF: 41.5/44

All: 30.161+/-31.883 χ^2/NDF: 110.9/93

- sign -60.307+/-44.464 χ^2/NDF: 60.9/48

asym_sam_15_avg_rms vs Slug



Right In: 141.015+/-0.040 χ^2/NDF: 6705784.4/19

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

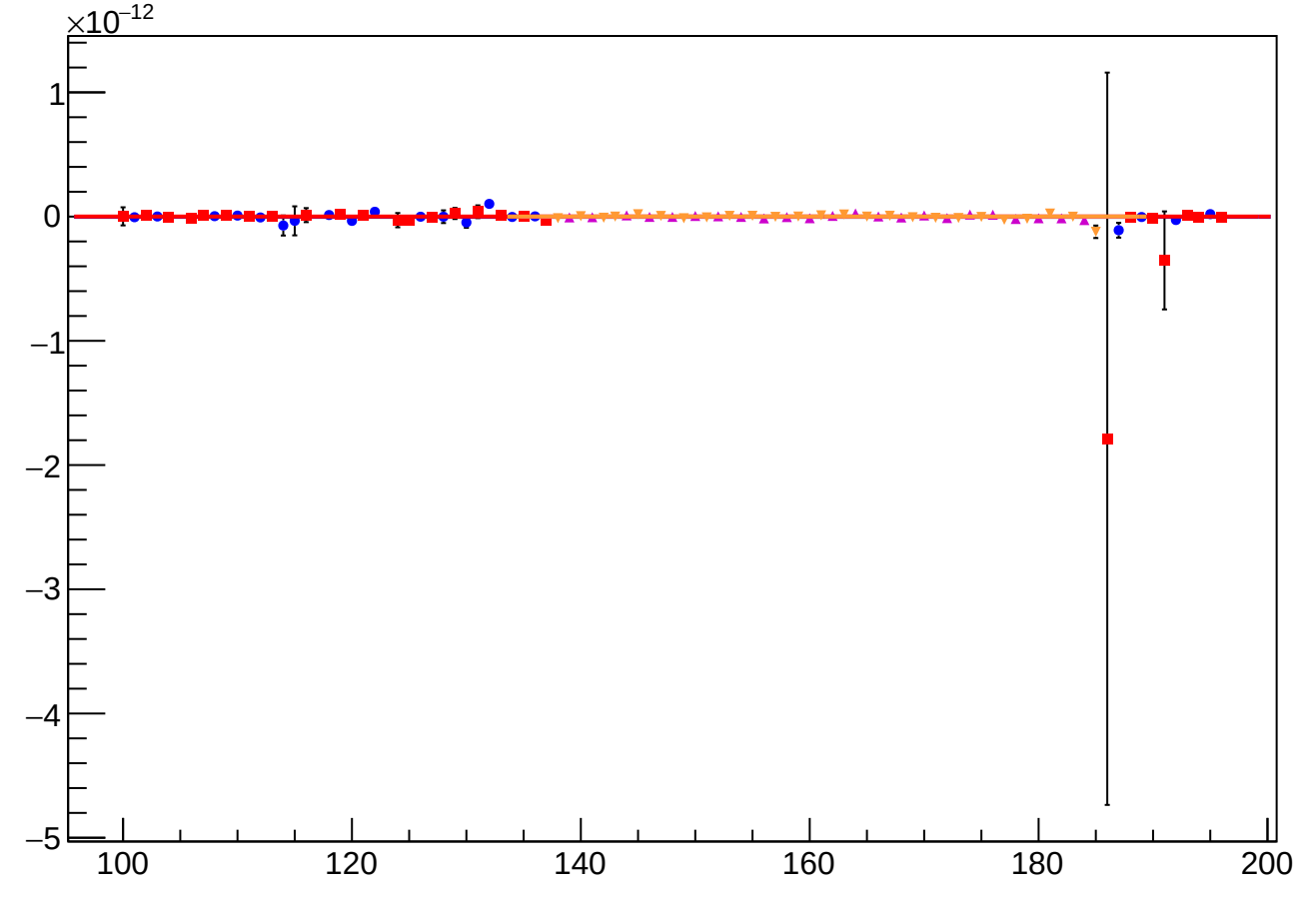
Right Out: 151.401+/-0.038 χ^2/NDF: 7270211.0/25

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 209.101+/-0.032 χ^2/NDF: 15881778.5/44

All: 209.175+/-0.023 χ^2/NDF: 31402568.9/93

- sign 209.245+/-0.031 χ^2/NDF: 15520780.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

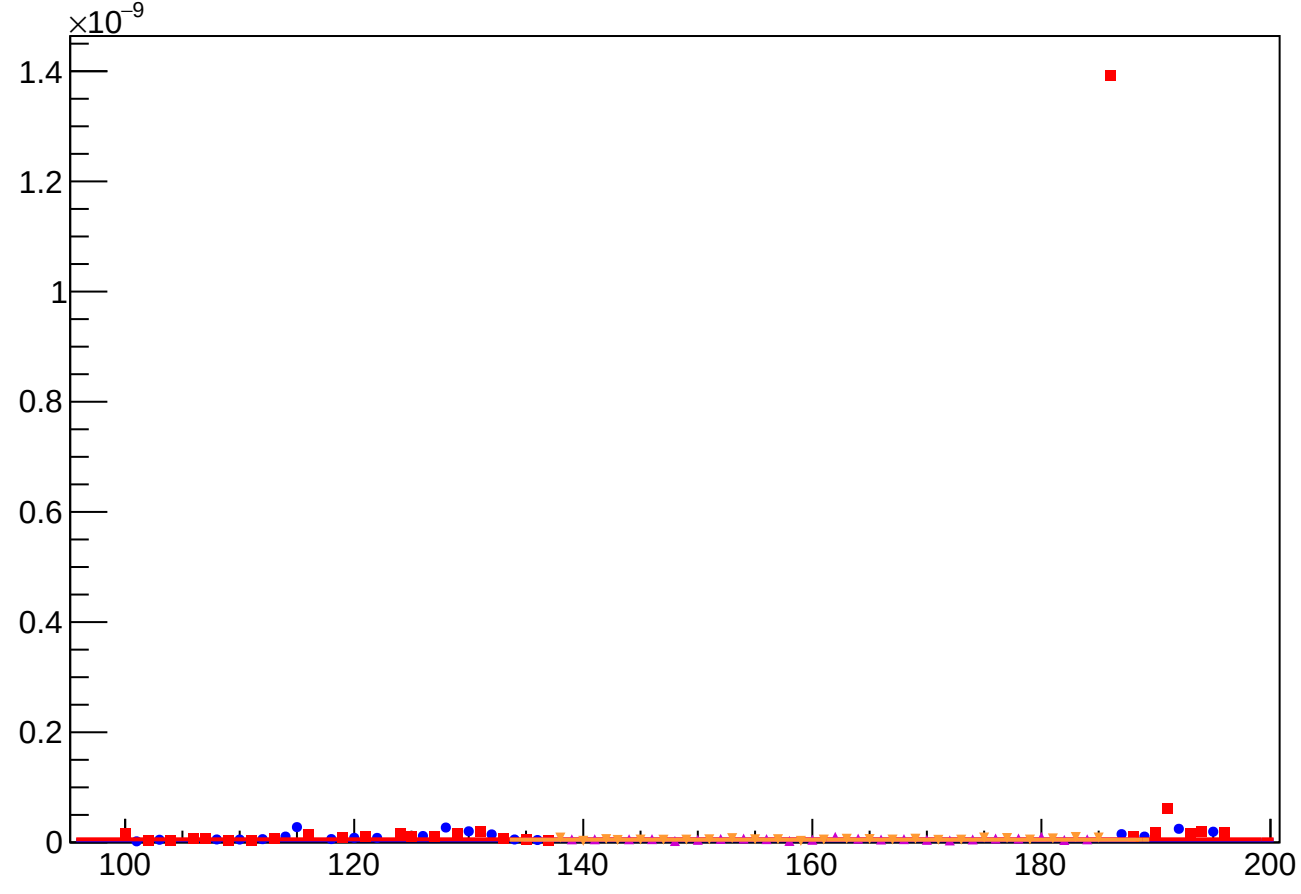
Right Out: 0.000+/-0.000 χ^2/NDF: 12.1/25

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/44

All: -0.000+/-0.000 χ^2/NDF: 83.7/93

- sign -0.000+/-0.000 χ^2/NDF: 32.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3504316.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3266168.8/25

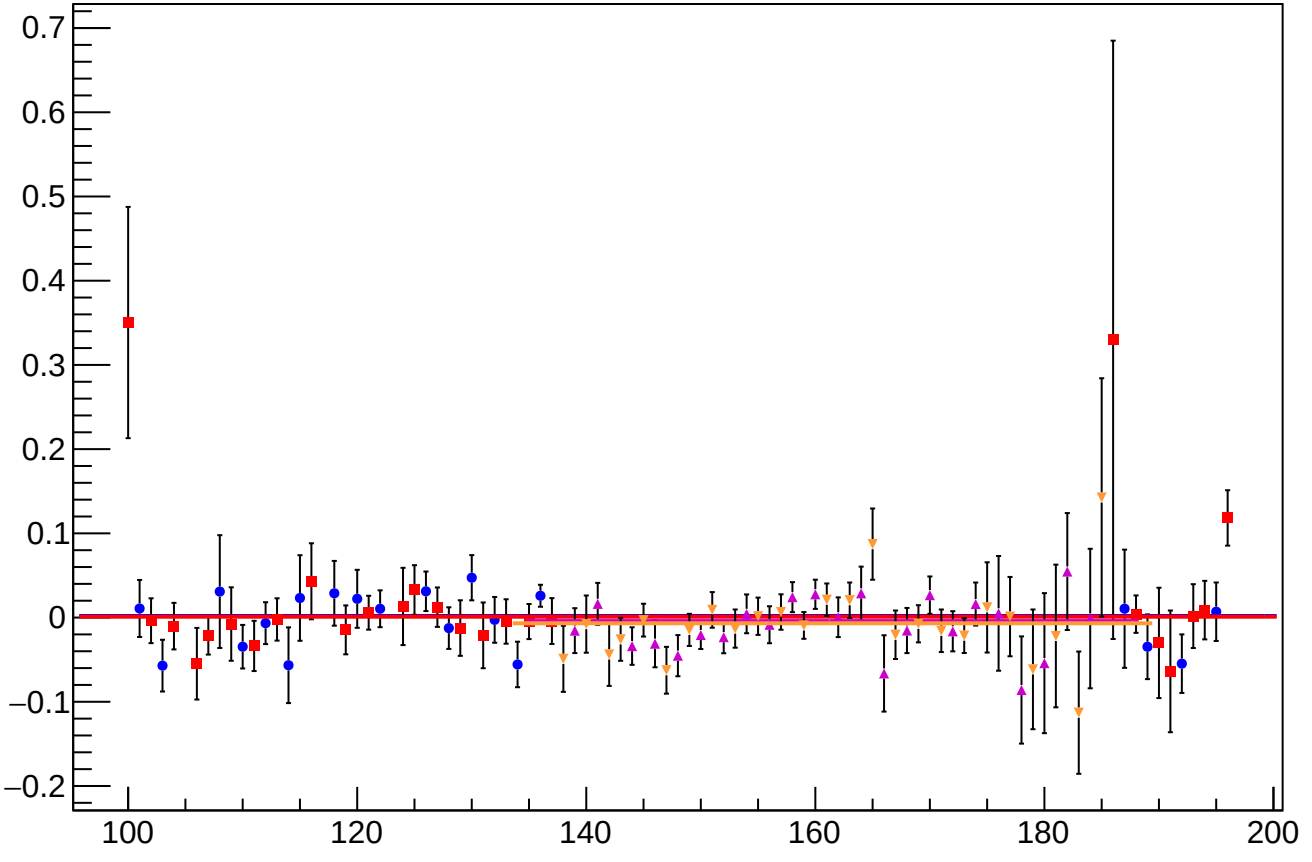
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5013232.1/44

All: 0.000+/-0.000 χ^2/NDF: 9693367.2/93

- sign 0.000+/-0.000 χ^2/NDF: 4558629.6/48

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

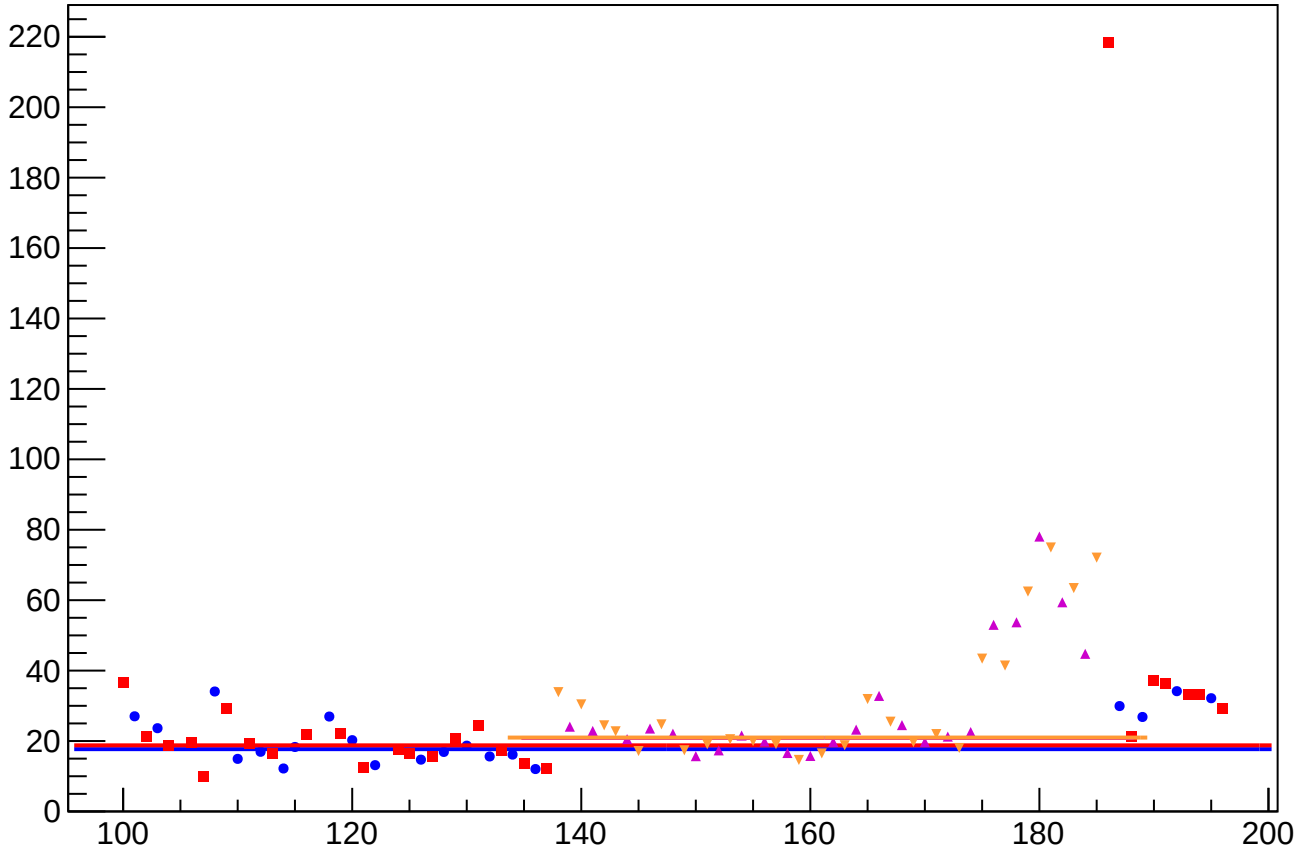
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.1/44

All: -0.003+/-0.003 χ^2/NDF: 100.5/93

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 17.695+/-0.004 χ^2/NDF: 2015612.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

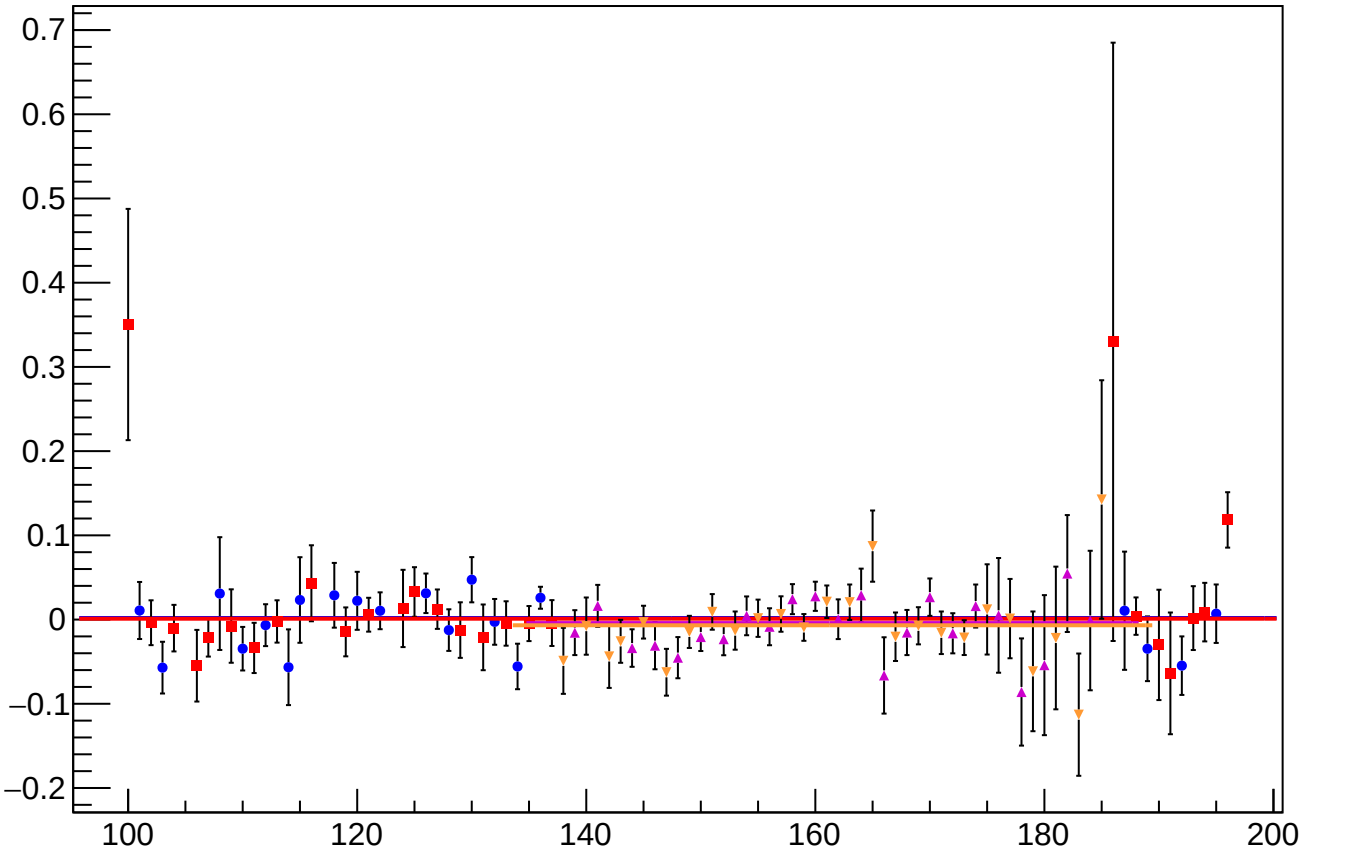
Right Out: 18.776+/-0.004 χ^2/NDF: 2819507.1/25

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810083.5/44

All: 19.794+/-0.002 χ^2/NDF: 13307527.0/93

- sign 19.954+/-0.003 χ^2/NDF: 6490869.7/48



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

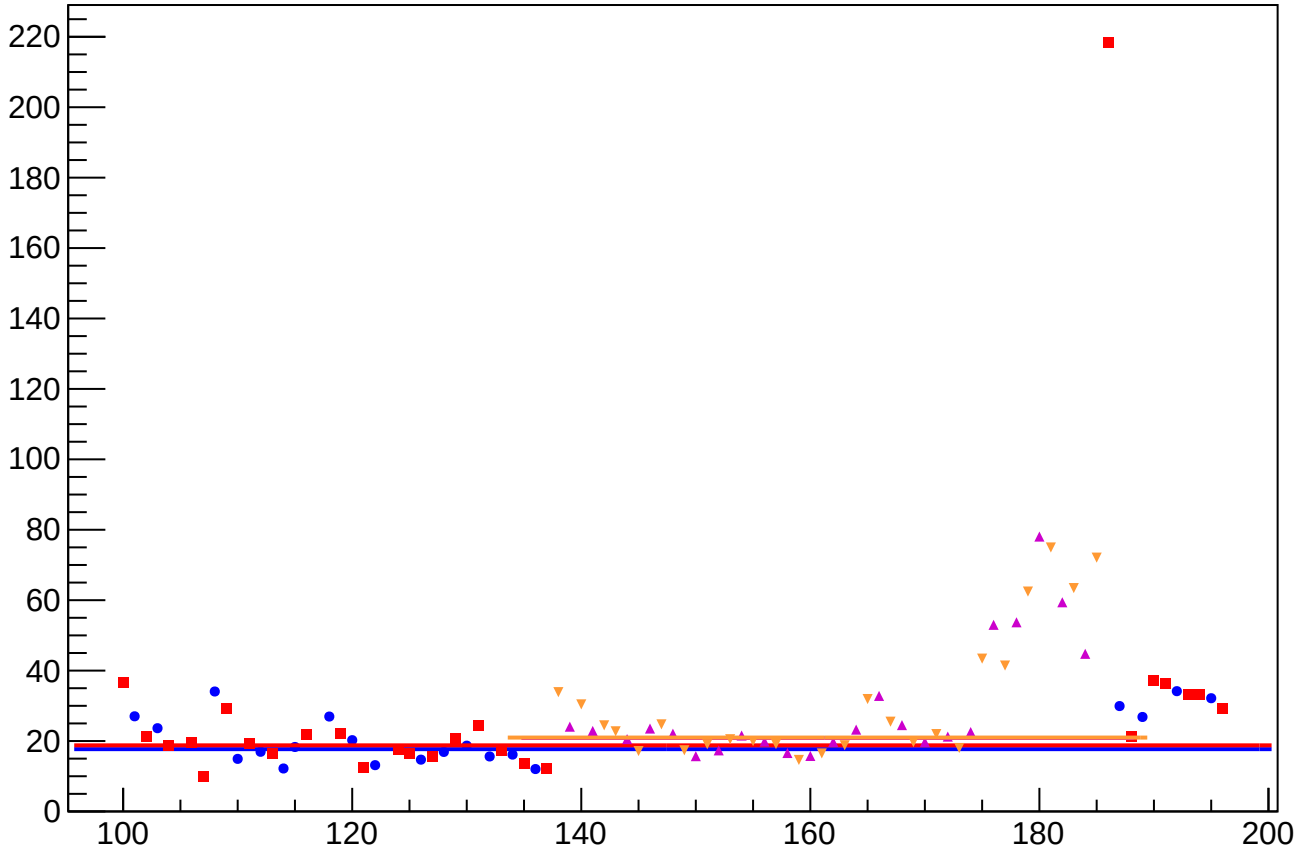
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.1/44

All: -0.003+/-0.003 χ^2/NDF: 100.5/93

- 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: 17.695+/-0.004 χ^2/NDF: 2015612.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

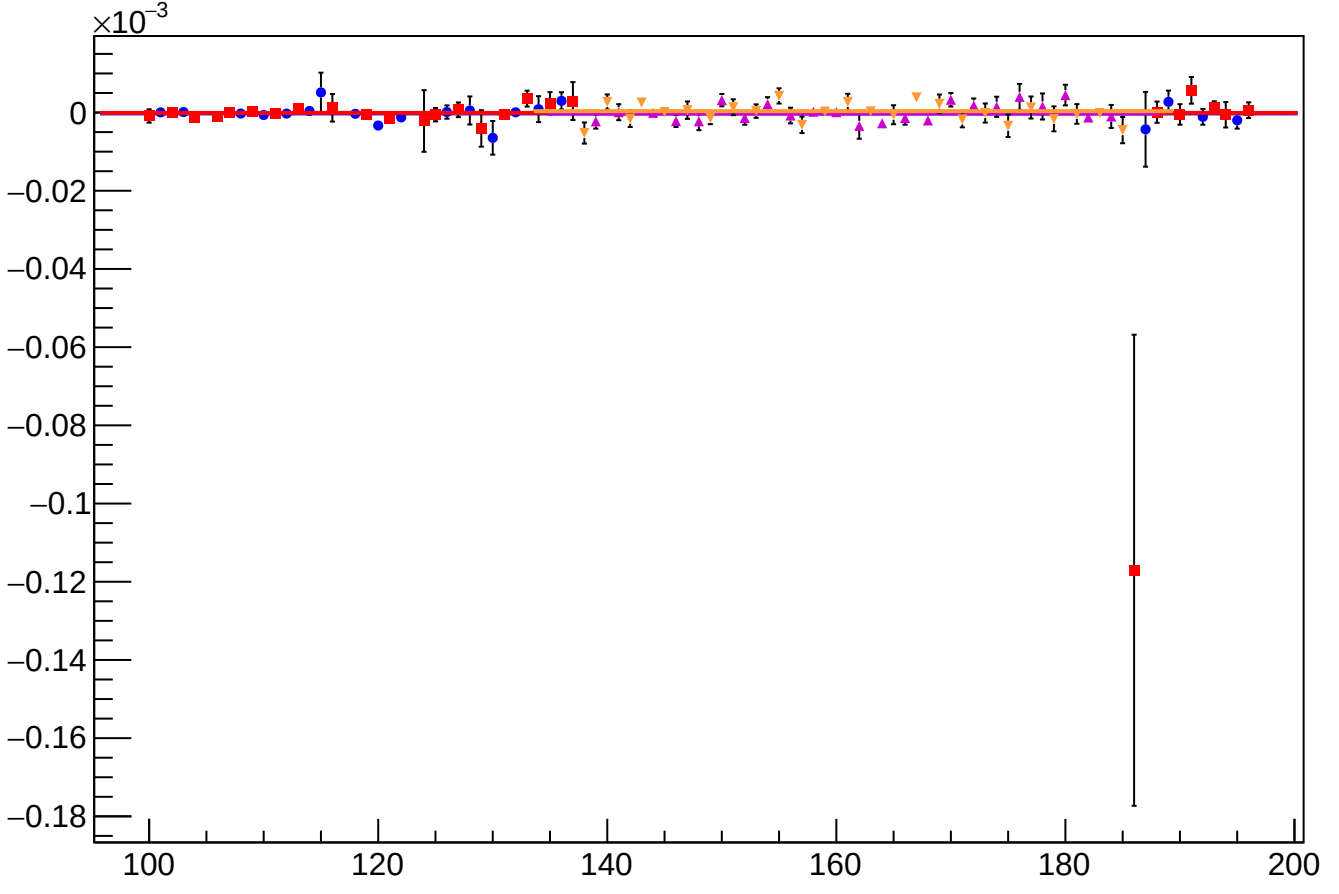
Right Out: 18.776+/-0.004 χ^2/NDF: 2819507.1/25

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 19.632+/-0.003 χ^2/NDF: 6810083.5/44

All: 19.794+/-0.002 χ^2/NDF: 13307527.0/93

\- sign 19.954+/-0.003 χ^2/NDF: 6490869.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

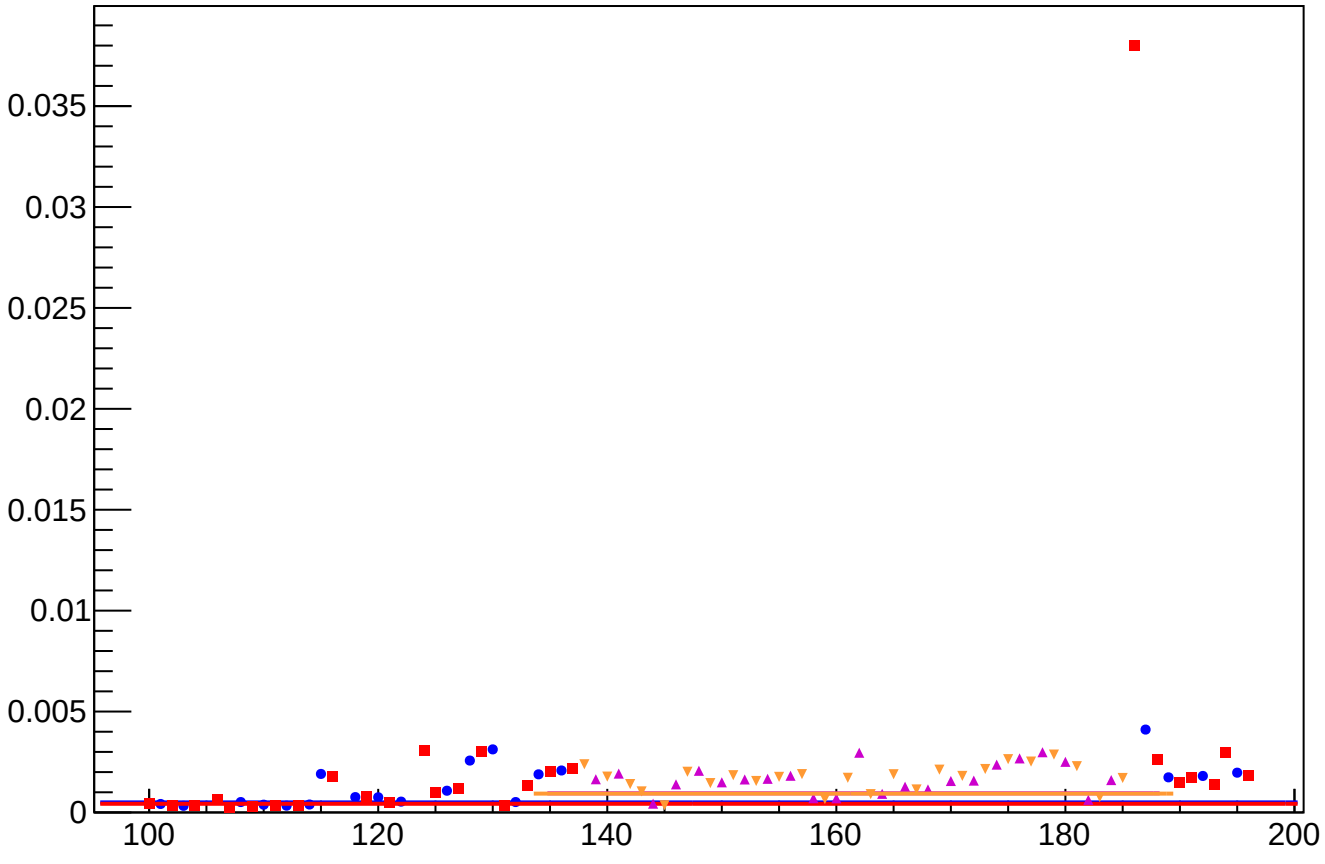
Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/25

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/44

All: -0.000+/-0.000 χ^2/NDF: 114.1/93

- sign -0.000+/-0.000 χ^2/NDF: 59.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 6542209.5/19

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9779248.8/25

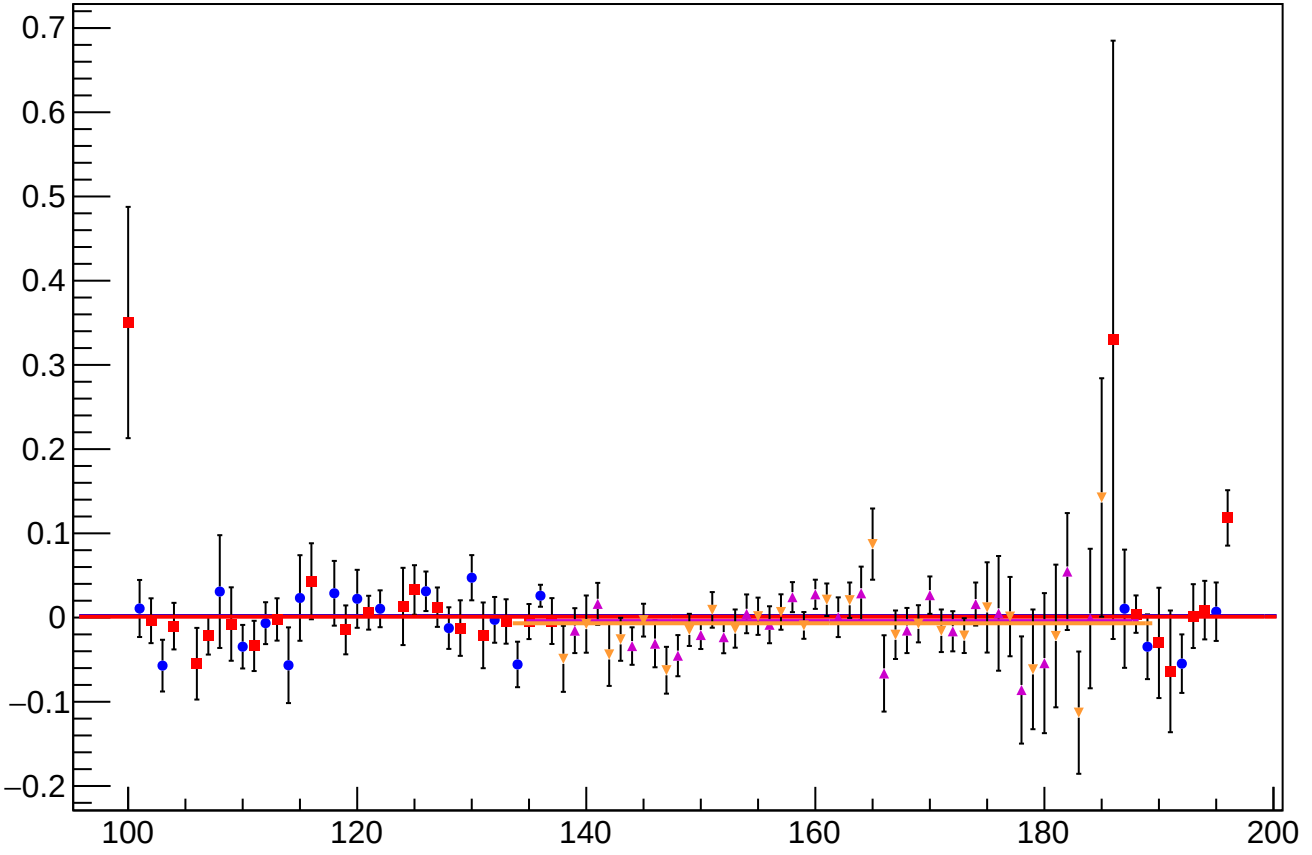
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 21958017.1/44

All: 0.001+/-0.000 χ^2/NDF: 46979163.8/93

- sign 0.001+/-0.000 χ^2/NDF: 24730578.0/48

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

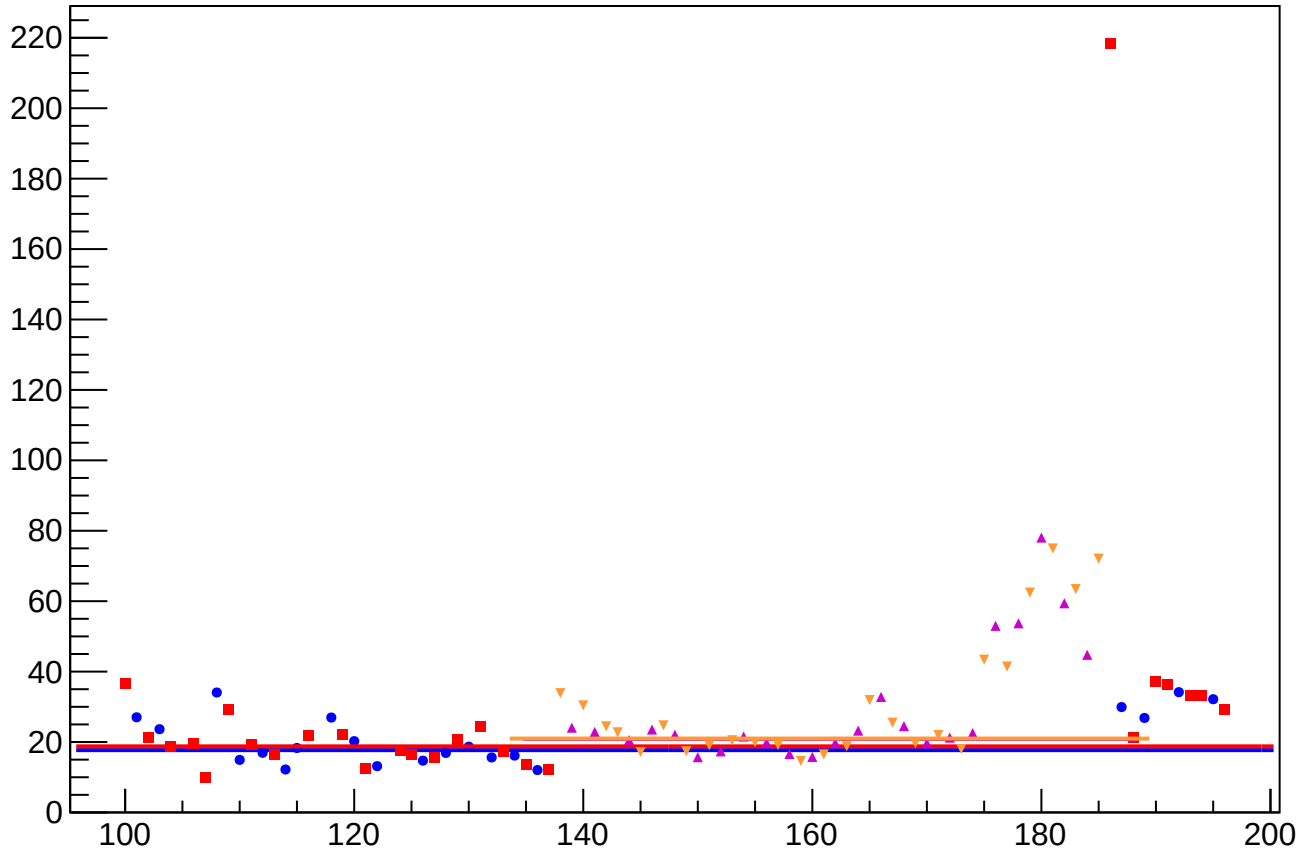
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.1/44

All: -0.003+/-0.003 χ^2/NDF: 100.5/93

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

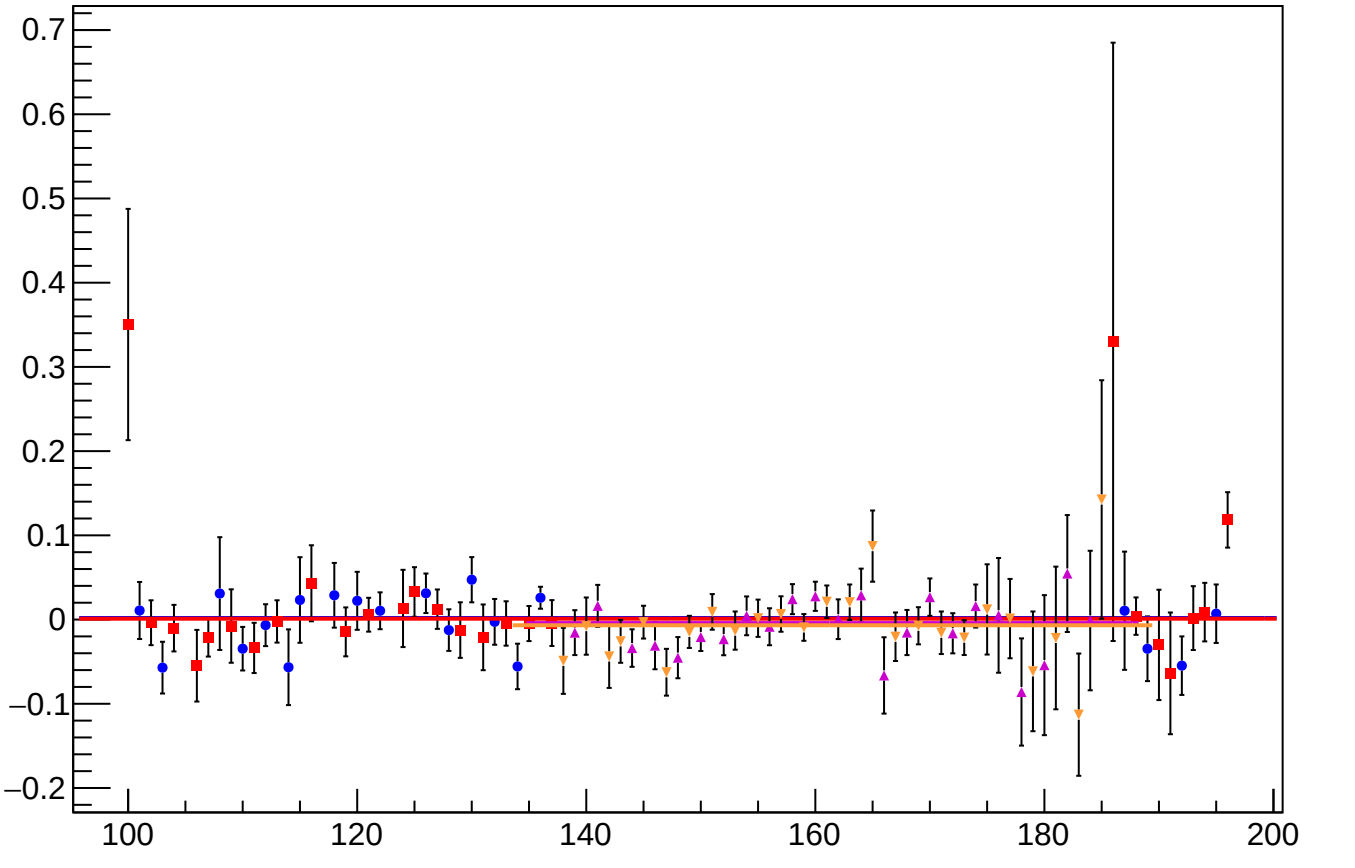
Right Out: 18.776+/-0.004 χ^2/NDF: 2819529.4/25

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810147.0/44

All: 19.794+/-0.002 χ^2/NDF: 13307696.4/93

- sign 19.954+/-0.003 χ^2/NDF: 6490978.3/48



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

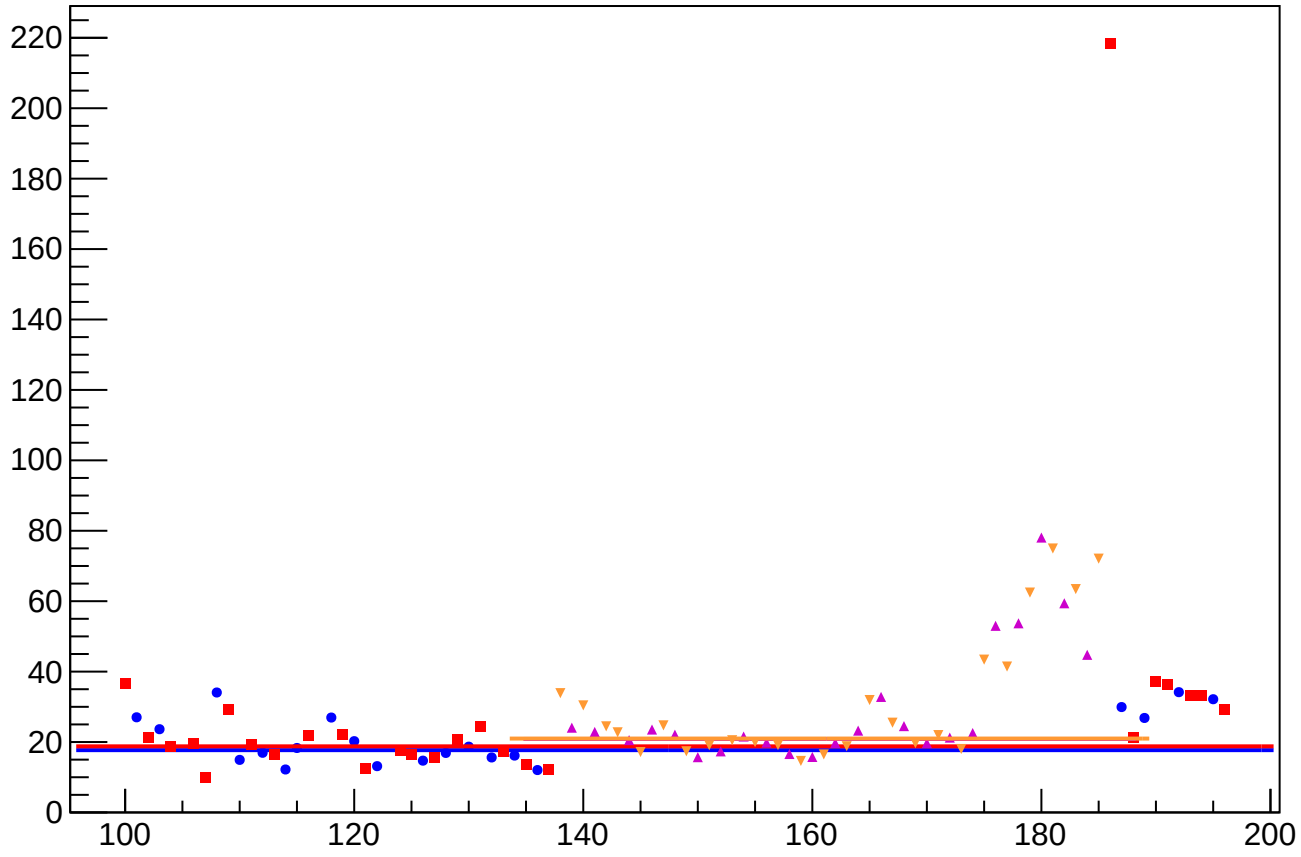
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.1/44

All: -0.003+/-0.003 χ^2/NDF: 100.5/93

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

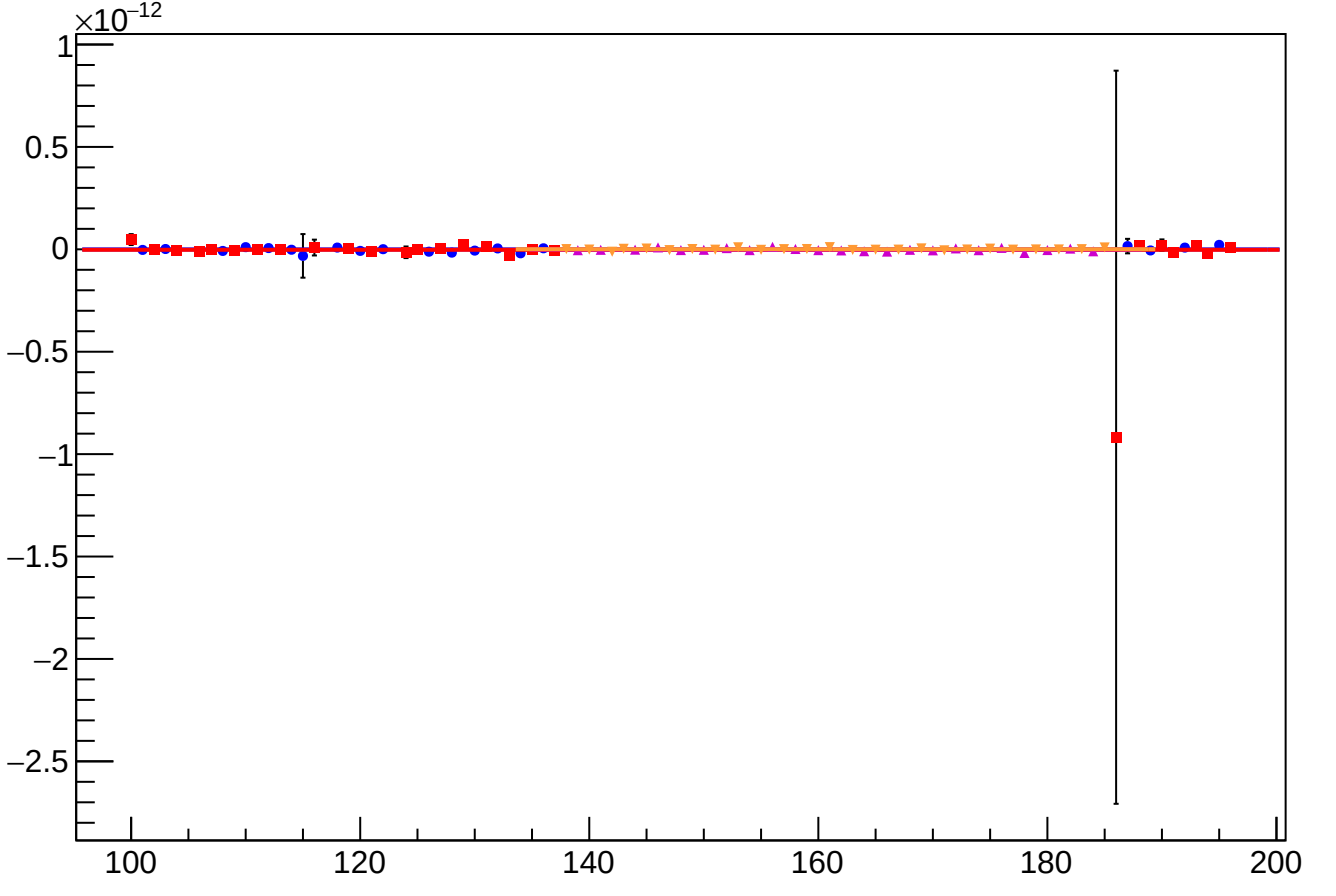
Right Out: 18.776+/-0.004 χ^2/NDF: 2819529.4/25

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810147.0/44

All: 19.794+/-0.002 χ^2/NDF: 13307696.4/93

- sign 19.954+/-0.003 χ^2/NDF: 6490978.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

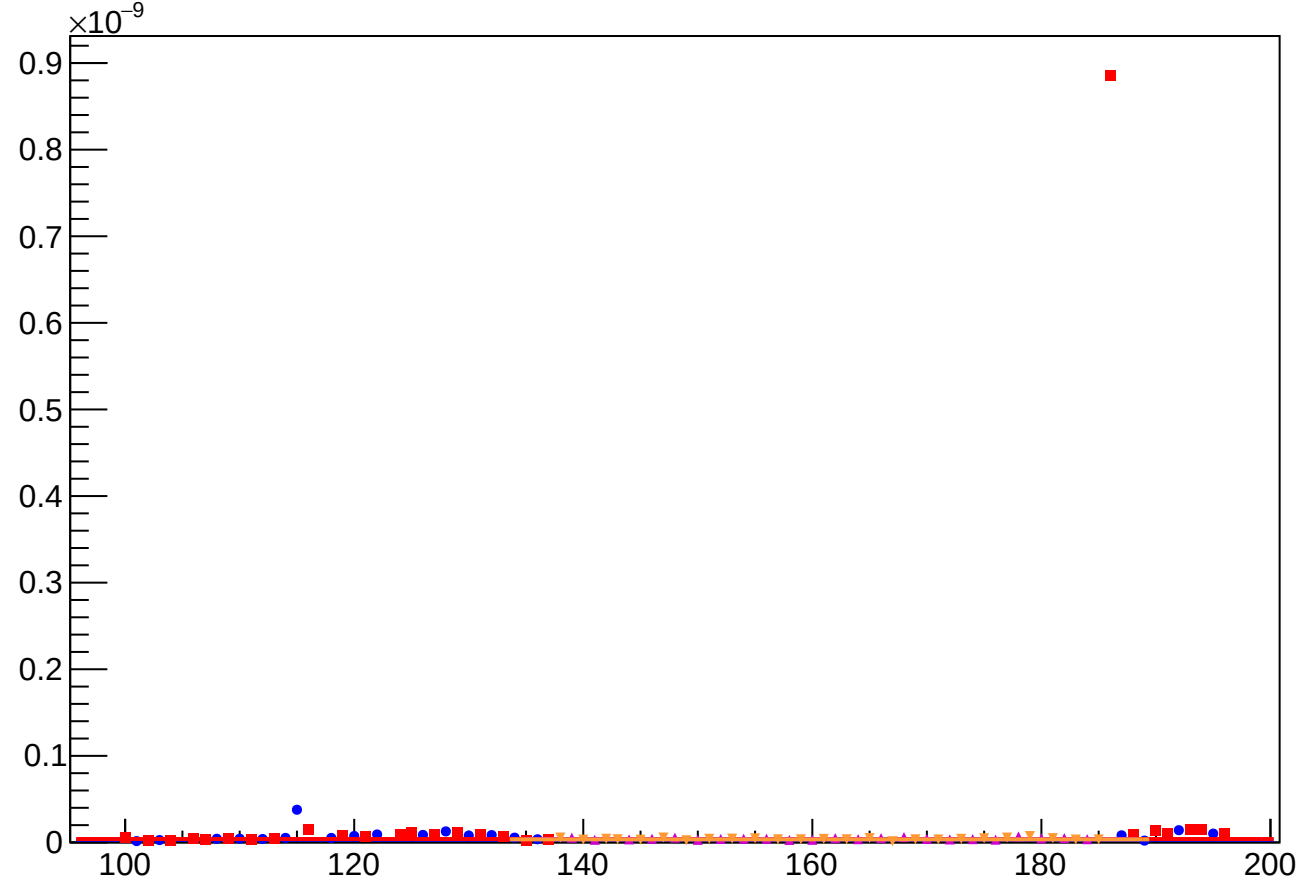
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/25

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/44

All: -0.000+/-0.000 χ^2/NDF: 78.9/93

- sign -0.000+/-0.000 χ^2/NDF: 48.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 4044485.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5358599.6/25

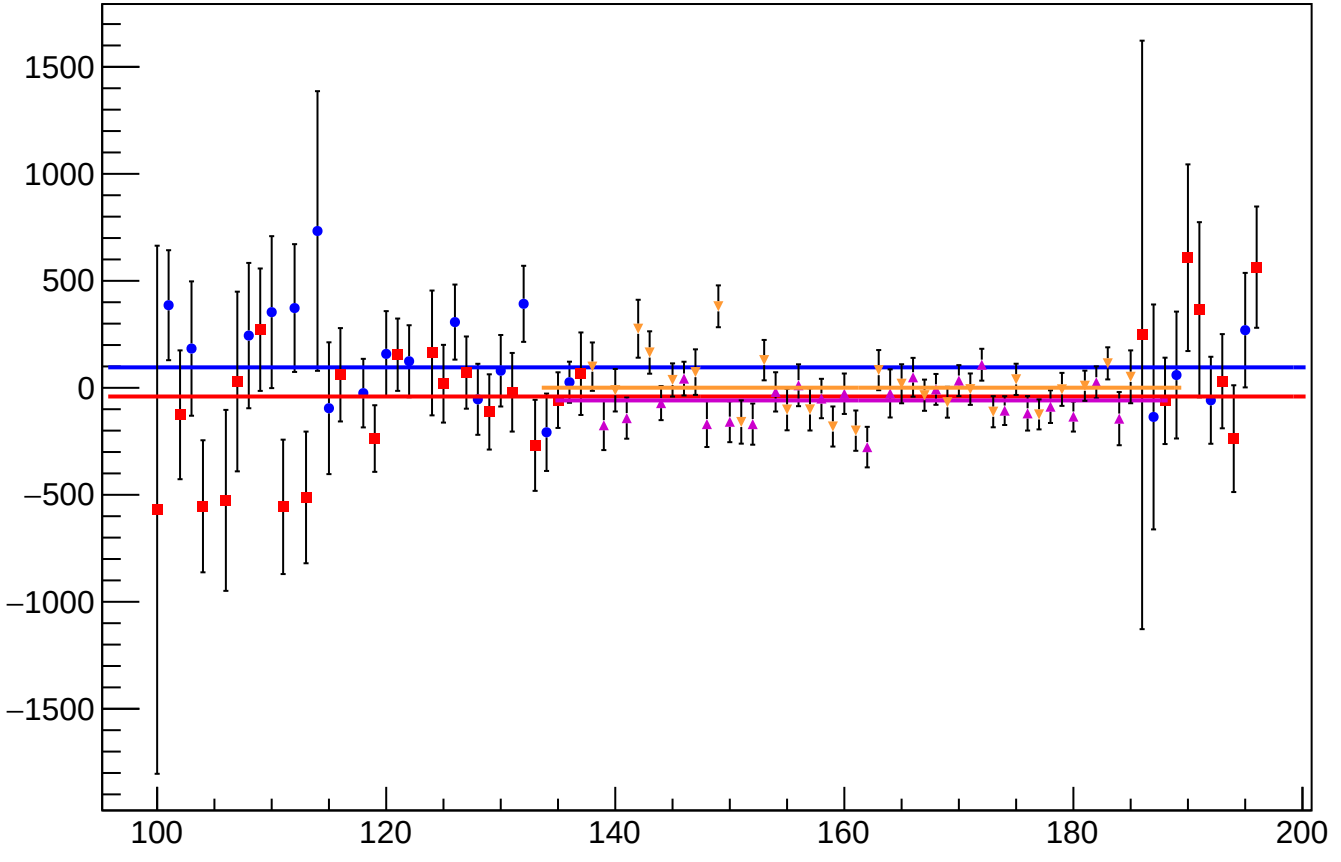
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6655429.0/44

All: 0.000+/-0.000 χ^2/NDF: 13516732.0/93

- sign 0.000+/-0.000 χ^2/NDF: 6557757.6/48

reg_asym_sam_26_avg_mean vs Slug



Right In: 95.693+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.559+/-44.881 χ^2/NDF: 25.0/25

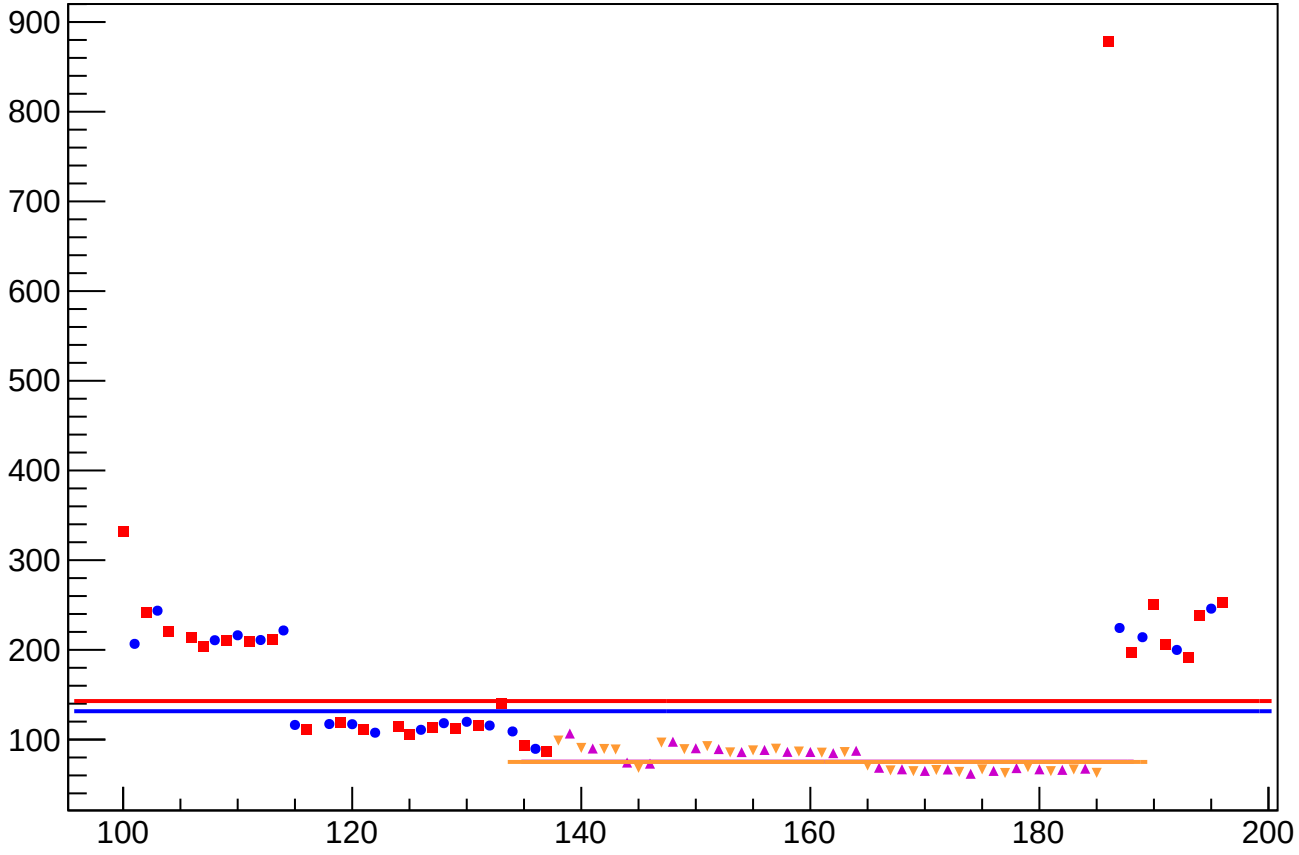
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.869+/-16.163 χ^2/NDF: 67.1/44

All: -20.819+/-11.584 χ^2/NDF: 126.9/93

- sign -56.394+/-16.610 χ^2/NDF: 50.9/48

reg_asym_sam_26_avg_rms vs Slug



Right In: 131.593+/-0.032 χ^2/NDF: 2188199.0/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

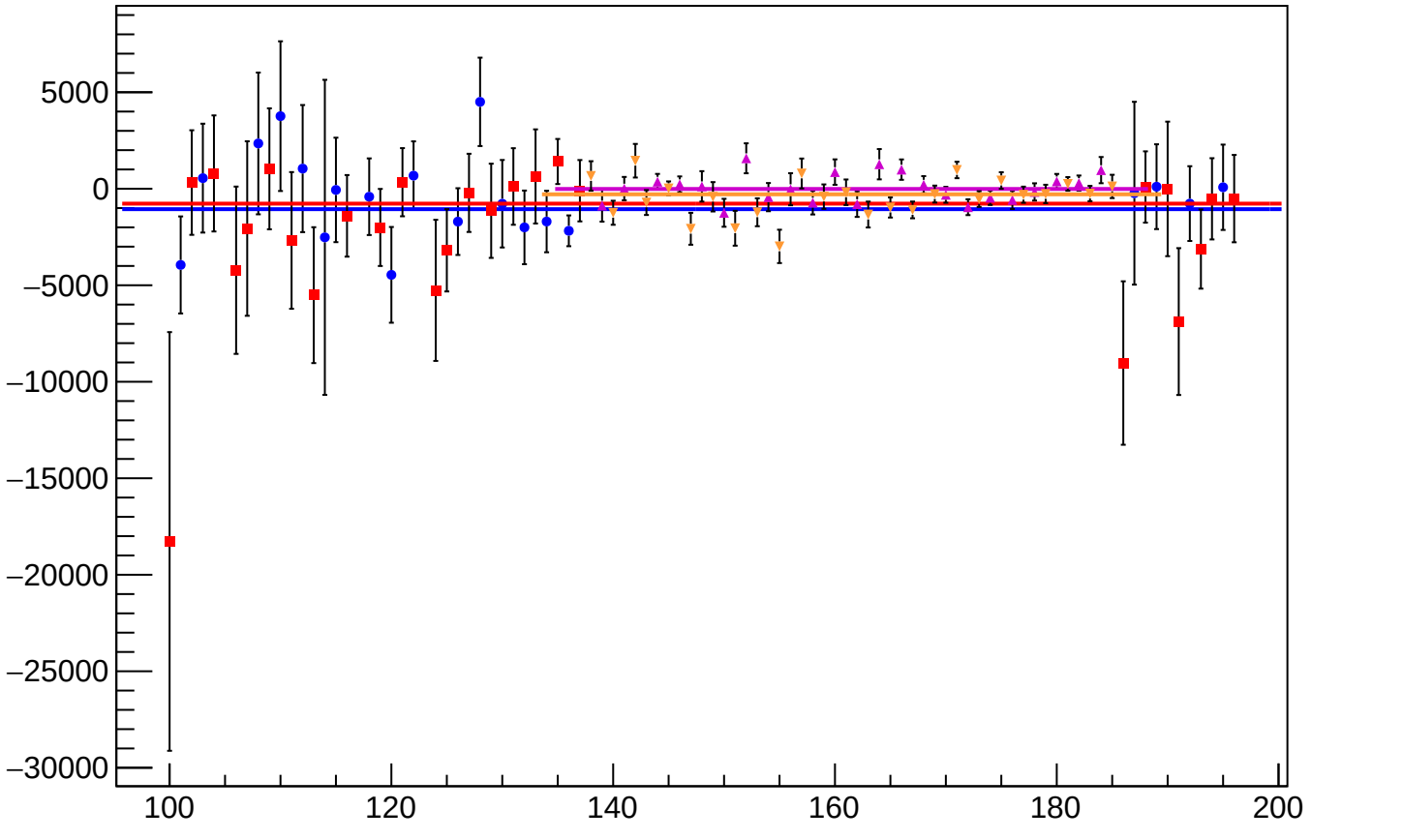
Right Out: 142.915+/-0.032 χ^2/NDF: 3256355.3/25

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867956.4/44

All: 83.441+/-0.008 χ^2/NDF: 13892558.4/93

- sign 84.605+/-0.012 χ^2/NDF: 8005476.2/48



Right In: -1057.534+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -771.712+/-454.900 χ^2/NDF: 22.1/25

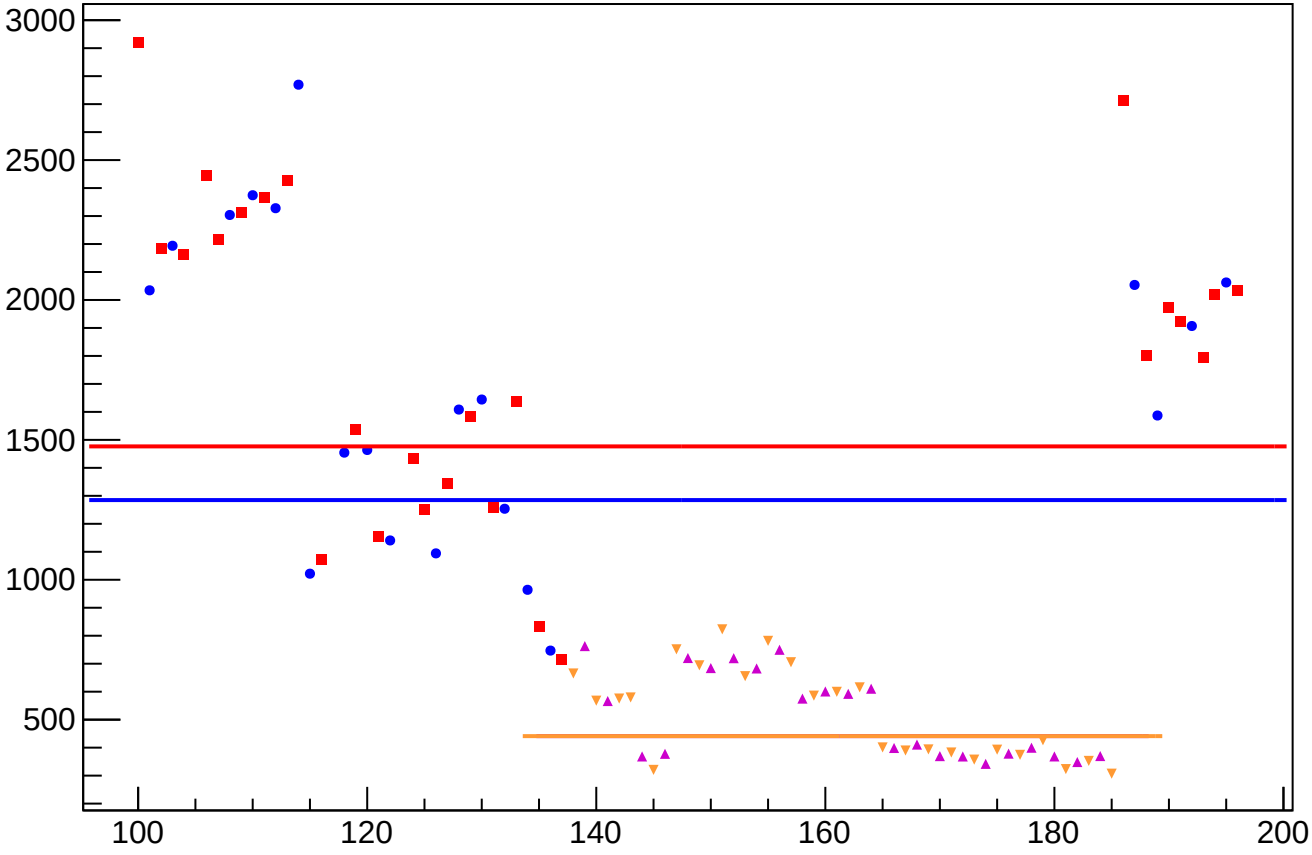
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.081+/-102.389 χ^2/NDF: 72.7/44

All: -193.250+/-73.229 χ^2/NDF: 134.5/93

- sign -51.017+/-104.775 χ^2/NDF: 58.2/48

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1284.809+/-0.314 χ^2/NDF: 2670619.5/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1476.676+/-0.322 χ^2/NDF: 2721767.8/25

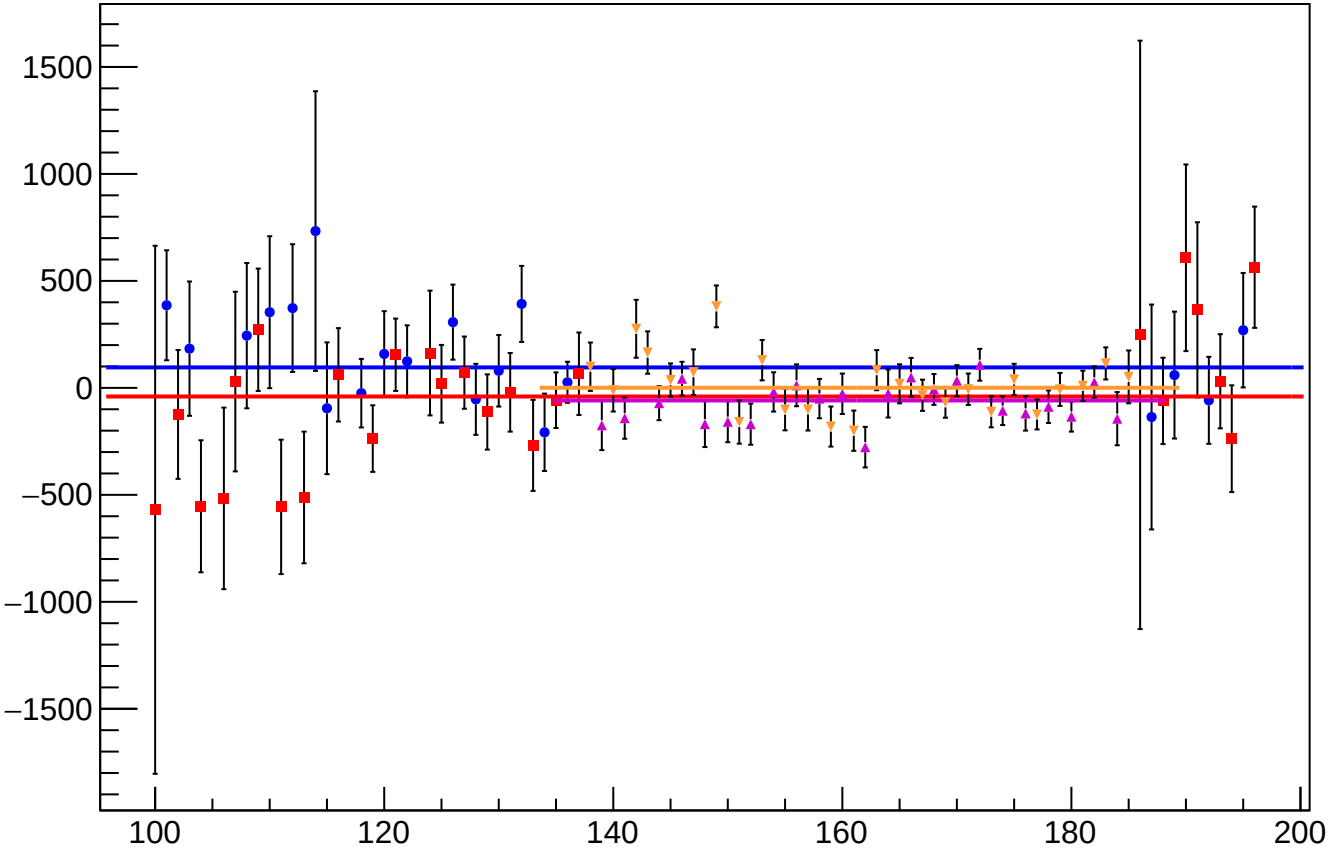
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755588.4/44

All: 490.991+/-0.052 χ^2/NDF: 27981997.5/93

- sign 496.128+/-0.074 χ^2/NDF: 15217010.4/48

cor_asym_sam_26_avg_mean vs Slug



Right In: 95.680+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.366+/-44.884 χ^2/NDF: 24.9/25

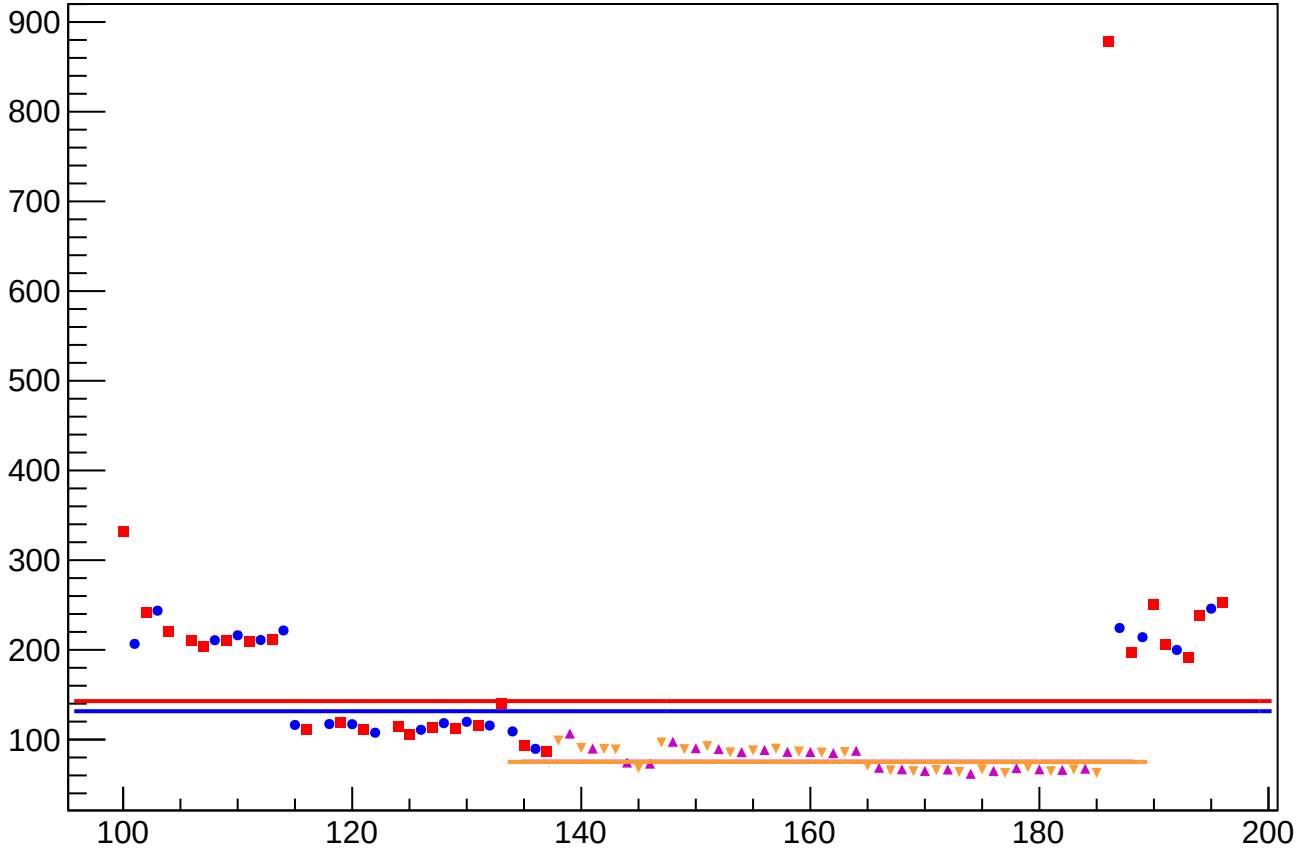
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.868+/-16.163 χ^2/NDF: 67.1/44

All: -20.806+/-11.584 χ^2/NDF: 126.9/93

- sign -56.365+/-16.610 χ^2/NDF: 50.9/48

cor_asym_sam_26_avg_rms vs Slug



Right In: 131.593+/-0.032 χ^2/NDF: 2188201.4/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 142.875+/-0.032 χ^2/NDF: 3251528.9/25

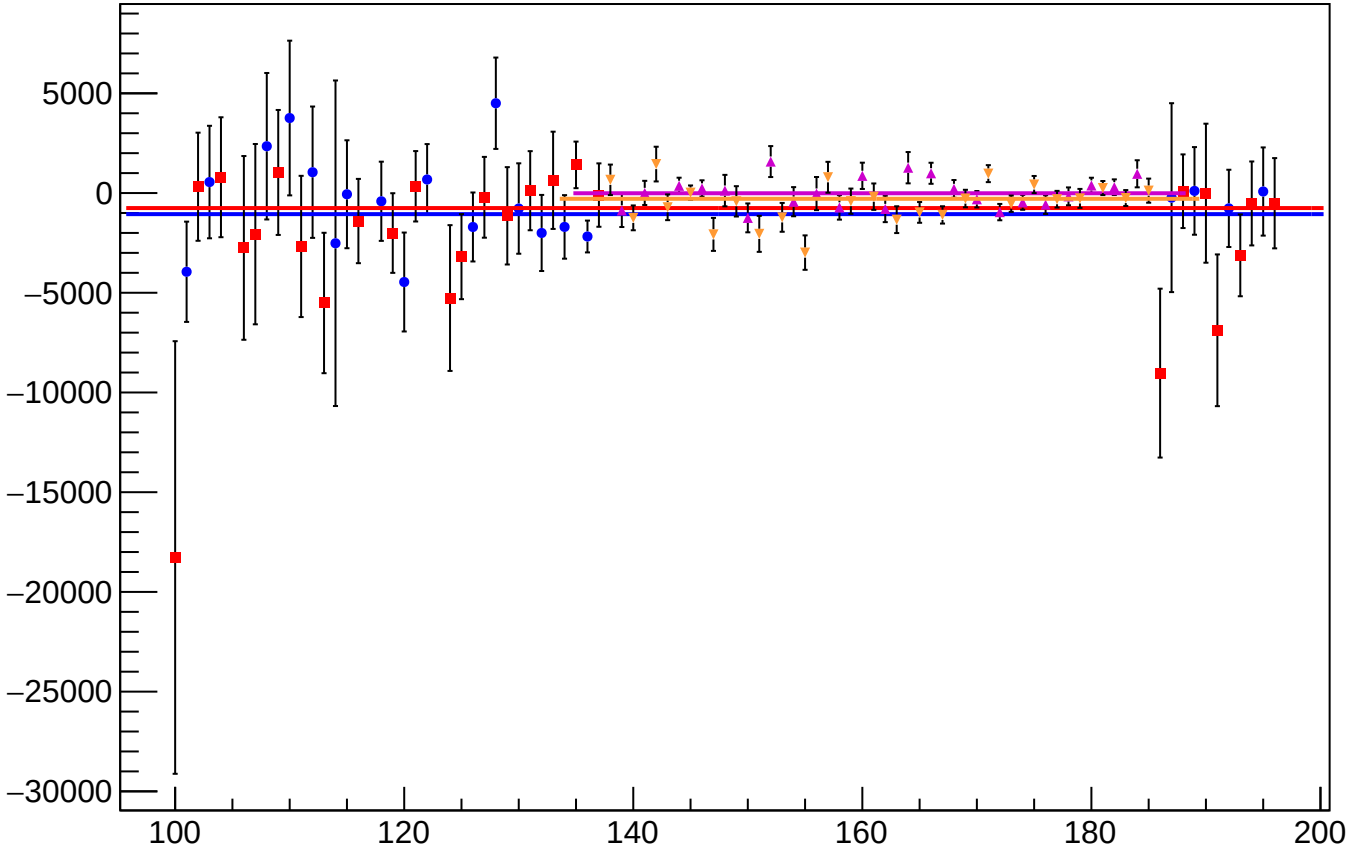
Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867958.3/44

All: 83.438+/-0.008 χ^2/NDF: 13882677.9/93

- sign 84.599+/-0.012 χ^2/NDF: 7995699.6/48

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1057.514+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -753.157+/-455.197 χ^2/NDF: 21.7/25

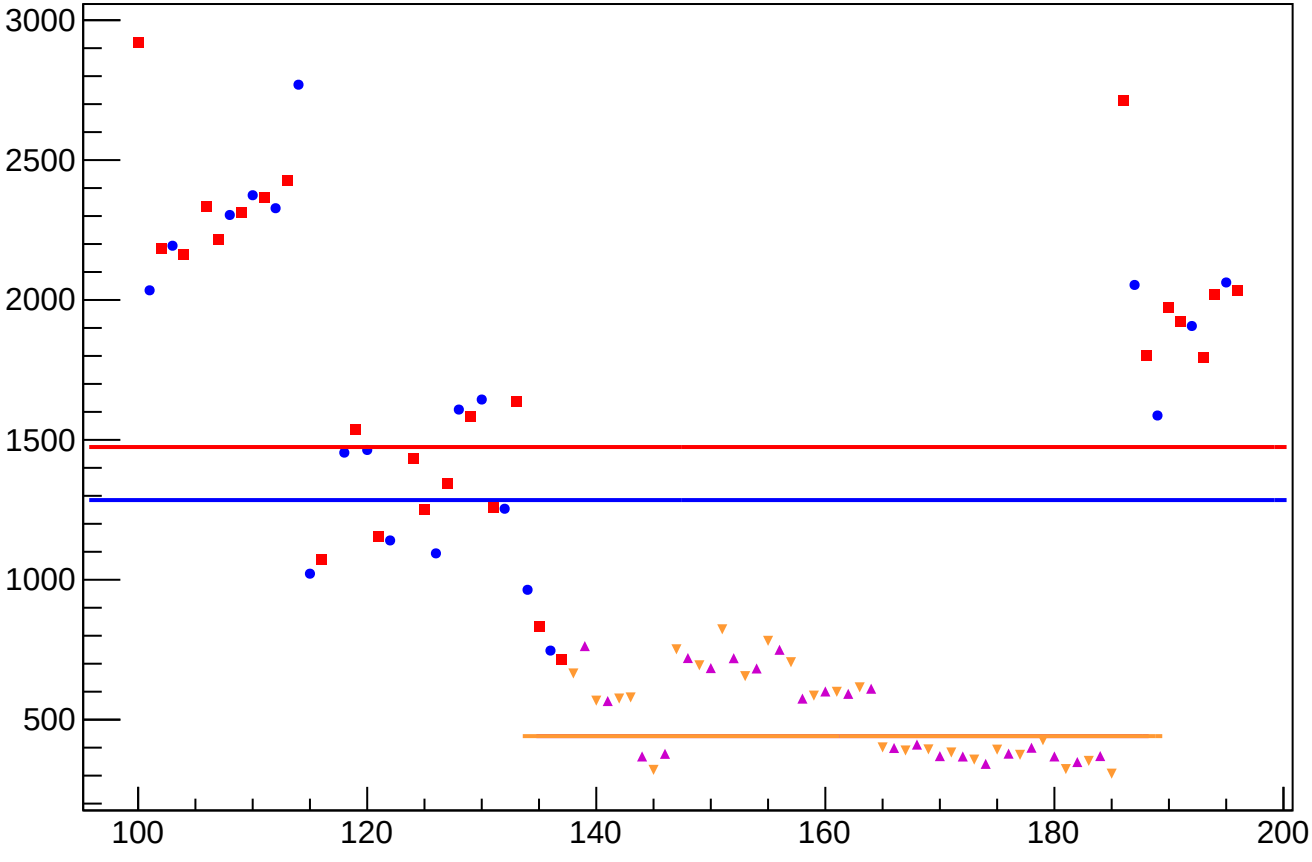
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.079+/-102.389 χ^2/NDF: 72.7/44

All: -192.750+/-73.230 χ^2/NDF: 134.0/93

- sign -49.986+/-104.778 χ^2/NDF: 57.6/48

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1284.809+/-0.314 χ^2/NDF: 2670651.2/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1474.398+/-0.322 χ^2/NDF: 2691801.1/25

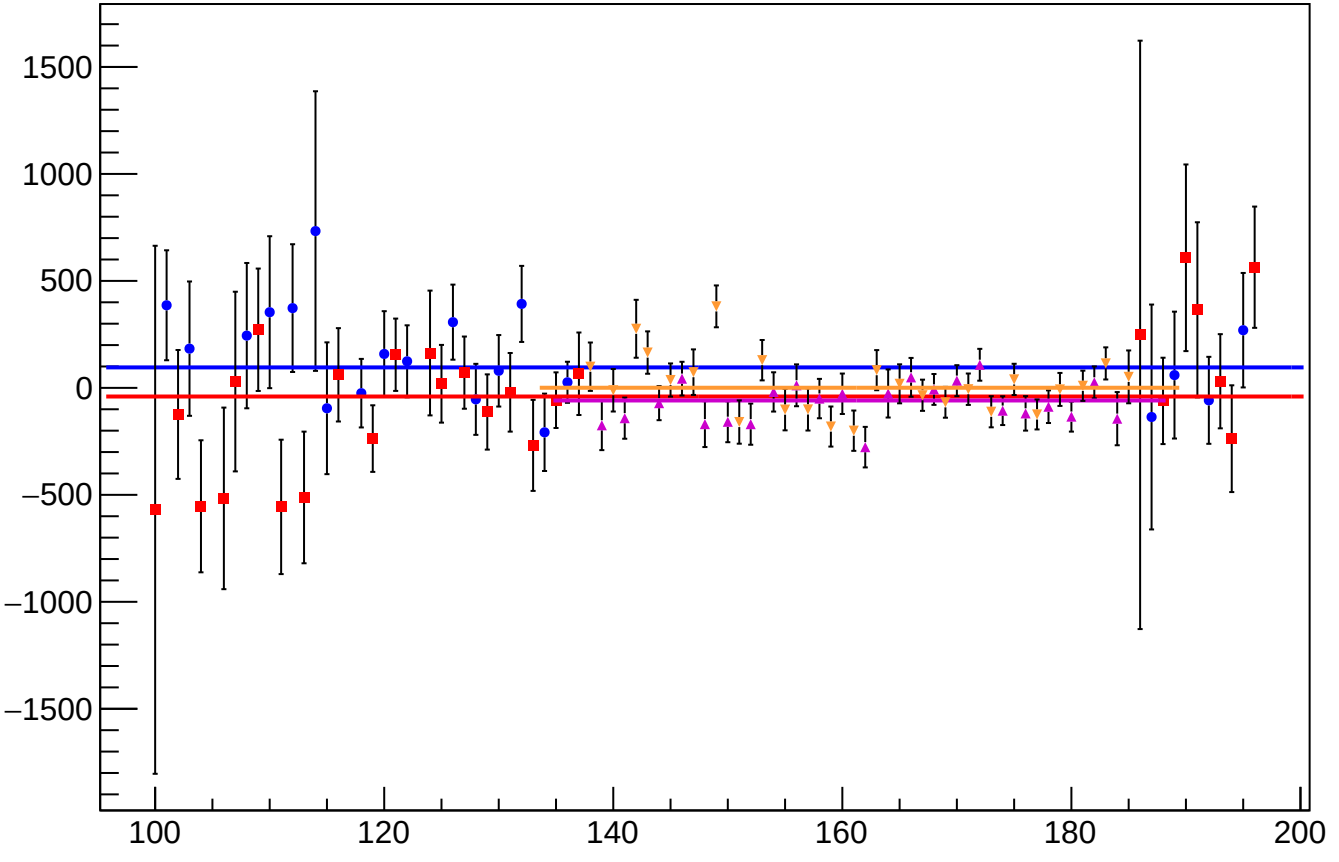
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755596.5/44

All: 490.899+/-0.052 χ^2/NDF: 27896496.9/93

- sign 495.939+/-0.074 χ^2/NDF: 15131851.1/48

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 95.680+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.366+/-44.884 χ^2/NDF: 24.9/25

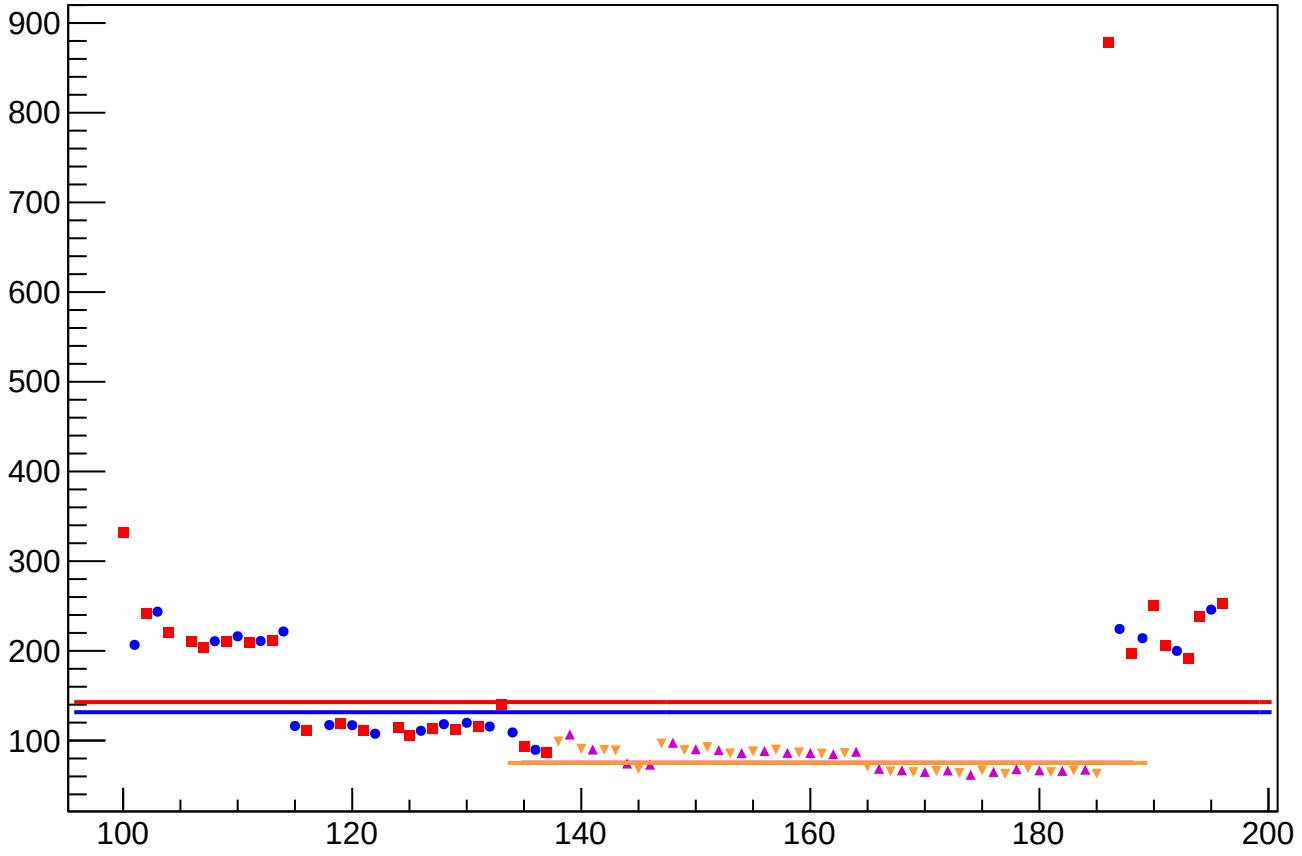
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.868+/-16.163 χ^2/NDF: 67.1/44

All: -20.806+/-11.584 χ^2/NDF: 126.9/93

- sign -56.365+/-16.610 χ^2/NDF: 50.9/48

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 131.593+/-0.032 χ^2/NDF: 2188201.4/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

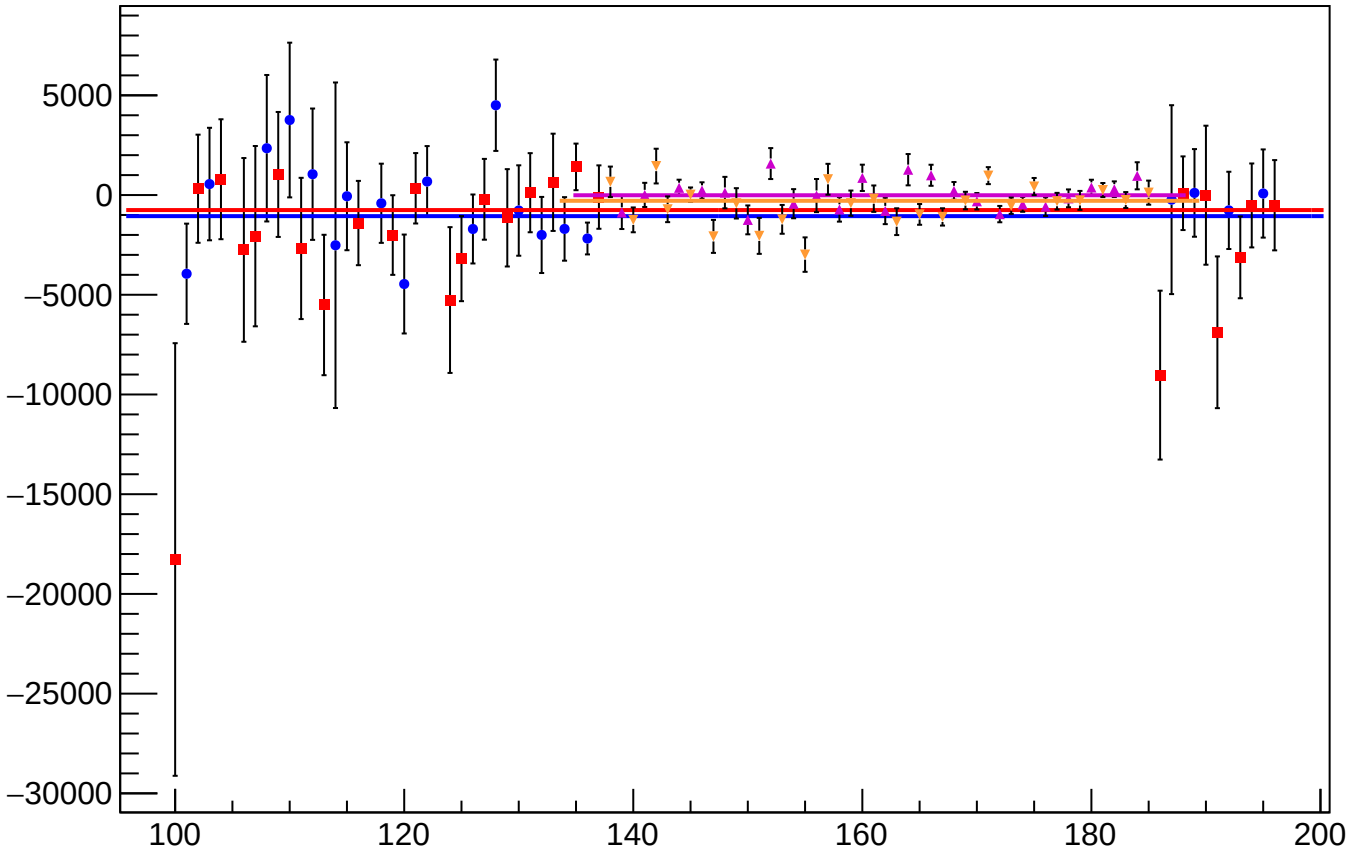
Right Out: 142.875+/-0.032 χ^2/NDF: 3251528.9/25

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867958.3/44

All: 83.438+/-0.008 χ^2/NDF: 13882677.9/93

- sign 84.599+/-0.012 χ^2/NDF: 7995699.6/48



Right In: -1057.514+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -753.157+/-455.197 χ^2/NDF: 21.7/25

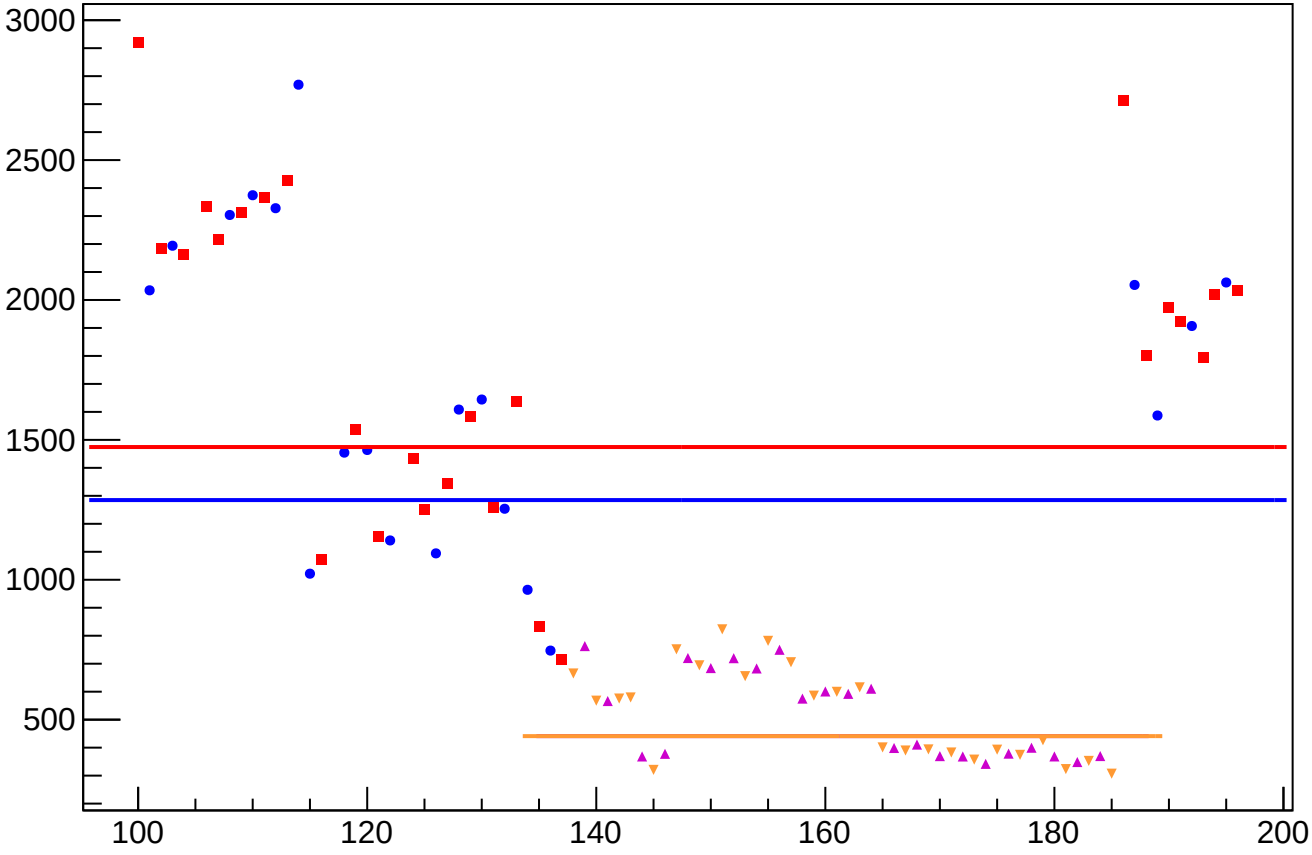
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.079+/-102.389 χ^2/NDF: 72.7/44

All: -192.750+/-73.230 χ^2/NDF: 134.0/93

- sign -49.986+/-104.778 χ^2/NDF: 57.6/48

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1284.809+/-0.314 χ^2/NDF: 2670651.2/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1474.398+/-0.322 χ^2/NDF: 2691801.1/25

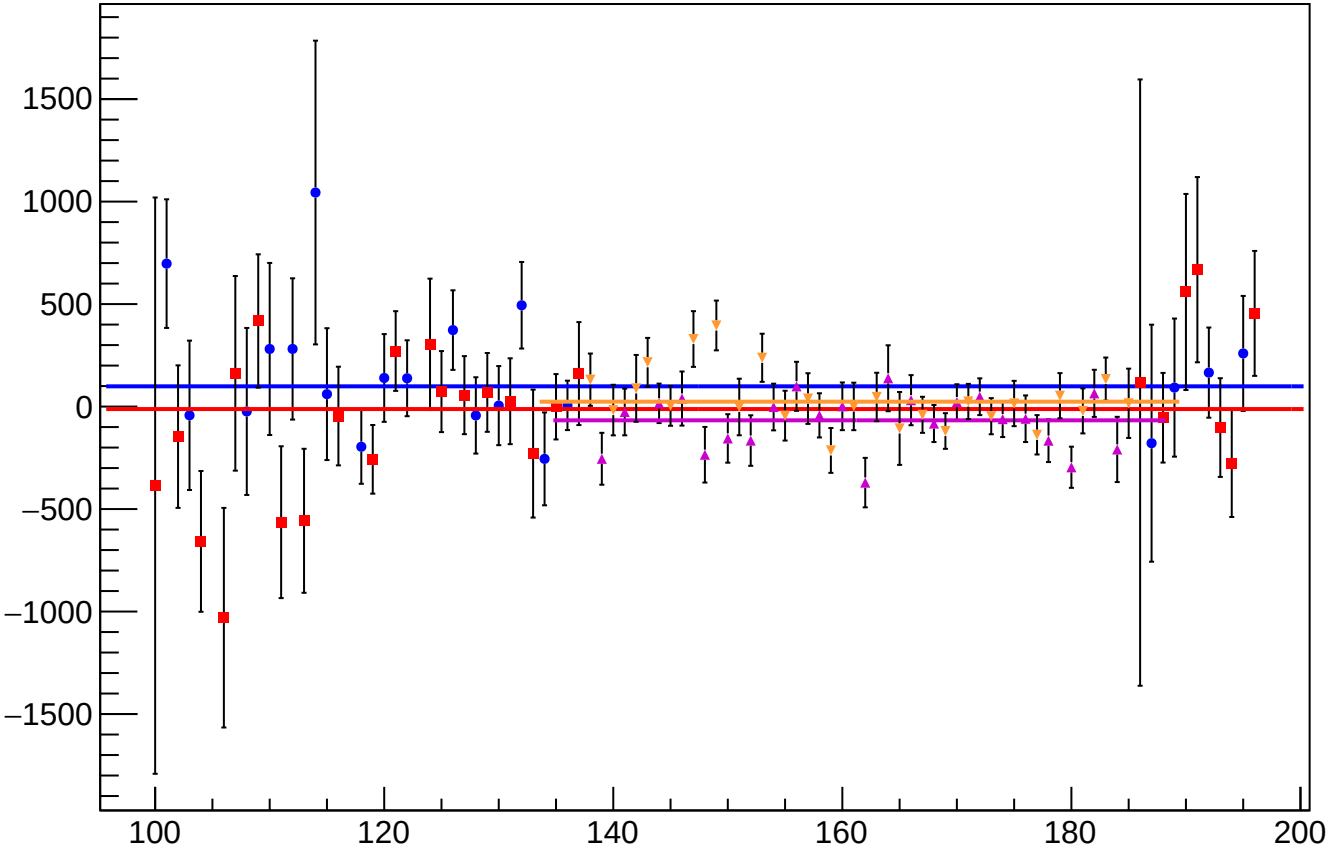
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755596.5/44

All: 490.899+/-0.052 χ^2/NDF: 27896496.9/93

- sign 495.939+/-0.074 χ^2/NDF: 15131851.1/48

dit_asym_sam_26_avg_mean vs Slug



Right In: 98.751+/-52.052 χ^2/NDF: 18.7/19

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -12.089+/-51.247 χ^2/NDF: 27.9/25

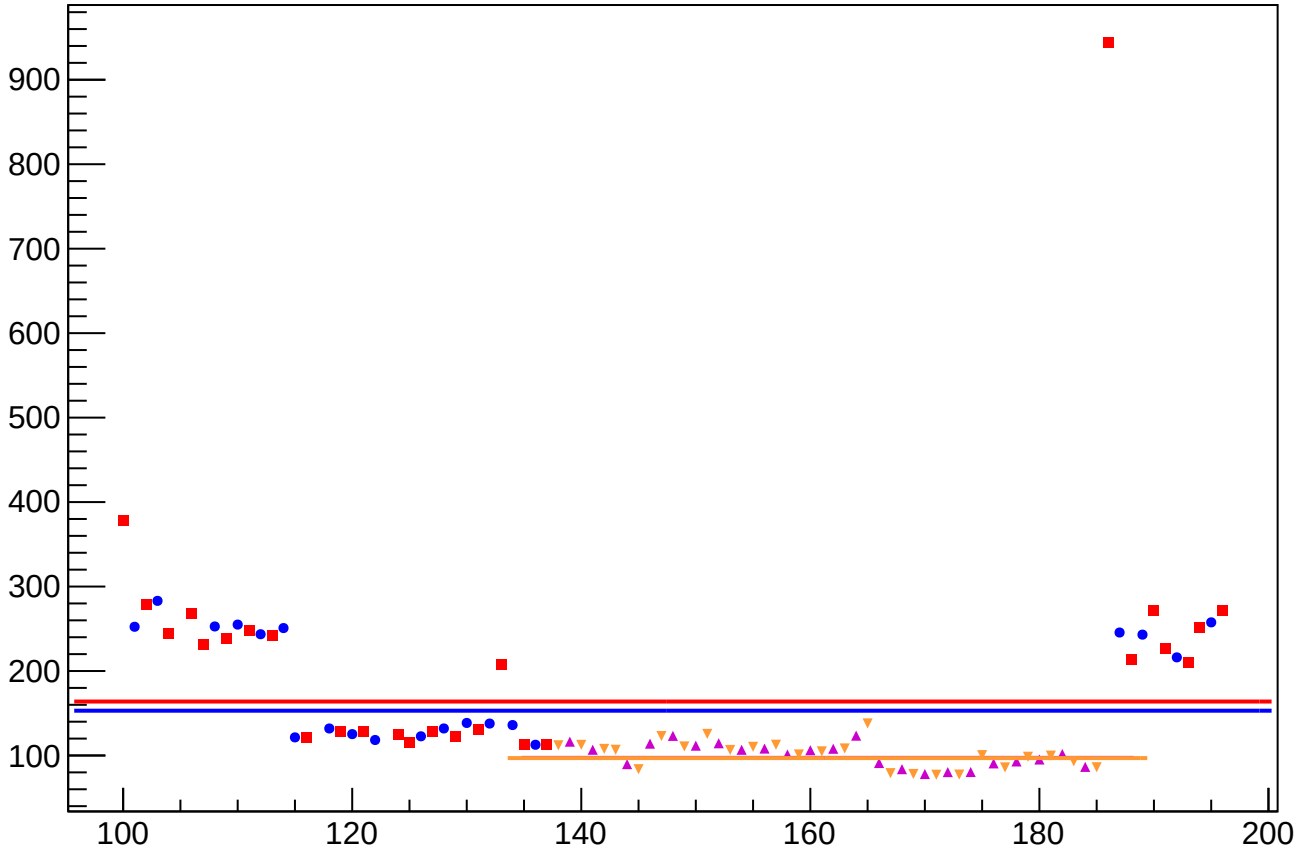
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

\+ sign 35.586+/-20.587 χ^2/NDF: 55.7/44

All: -10.004+/-14.727 χ^2/NDF: 123.2/93

\- sign -57.784+/-21.075 χ^2/NDF: 57.5/48

dit_asym_sam_26_avg_rms vs Slug



Right In: 153.026+/-0.037 χ^2/NDF: 1984168.2/19

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

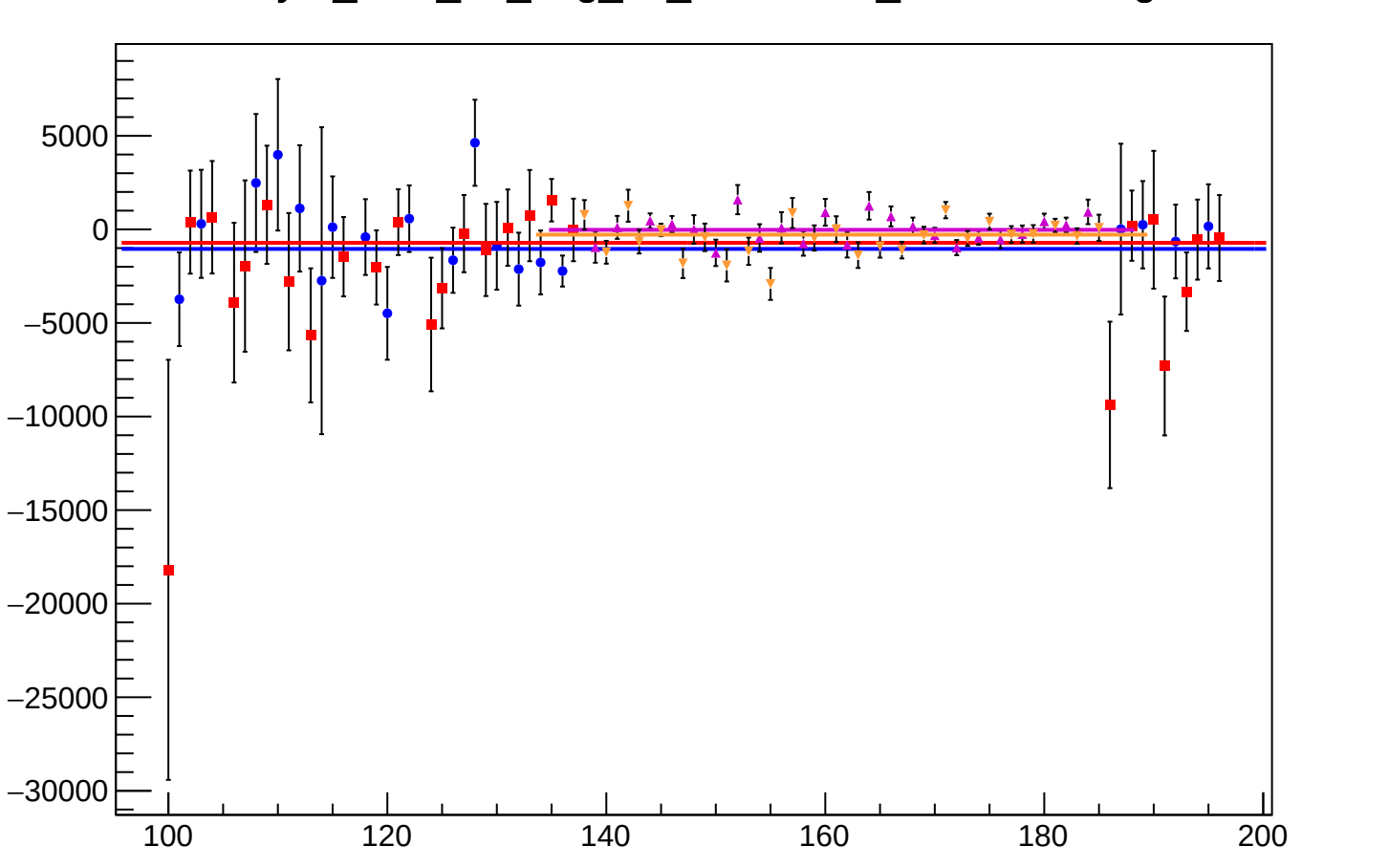
Right Out: 163.877+/-0.036 χ^2/NDF: 3043925.1/25

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 105.685+/-0.015 χ^2/NDF: 4879214.8/44

All: 107.035+/-0.010 χ^2/NDF: 11431113.7/93

- sign 108.450+/-0.015 χ^2/NDF: 6534292.3/48



Right In: -1044.785+/-455.086 χ^2/NDF: 16.7/19

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -717.108+/-458.266 χ^2/NDF: 23.5/25

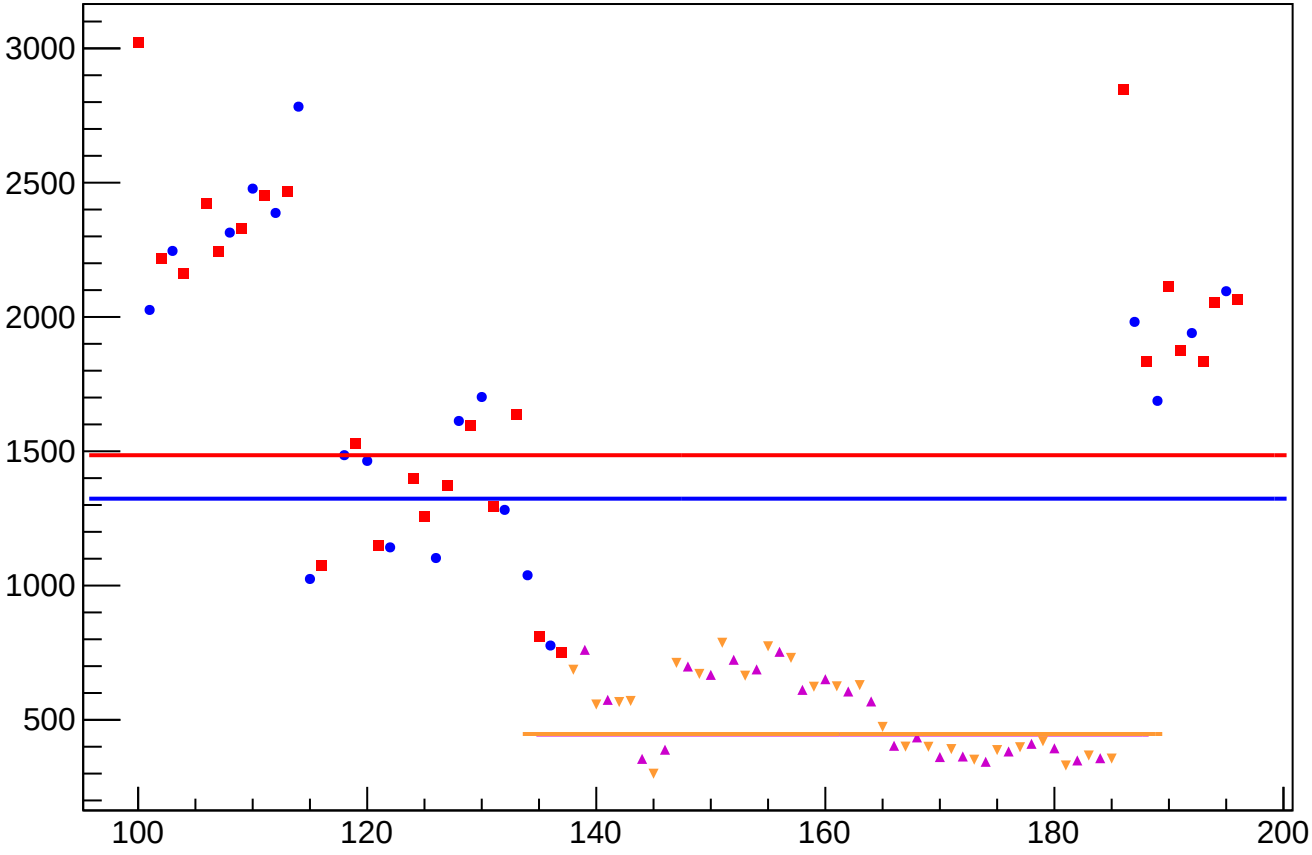
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -321.932+/-103.601 χ^2/NDF: 69.8/44

All: -194.680+/-74.068 χ^2/NDF: 131.5/93

- sign -61.629+/-105.935 χ^2/NDF: 58.6/48

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1323.501+/-0.322 χ^2/NDF: 2562933.6/19

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1485.288+/-0.324 χ^2/NDF: 2824479.6/25

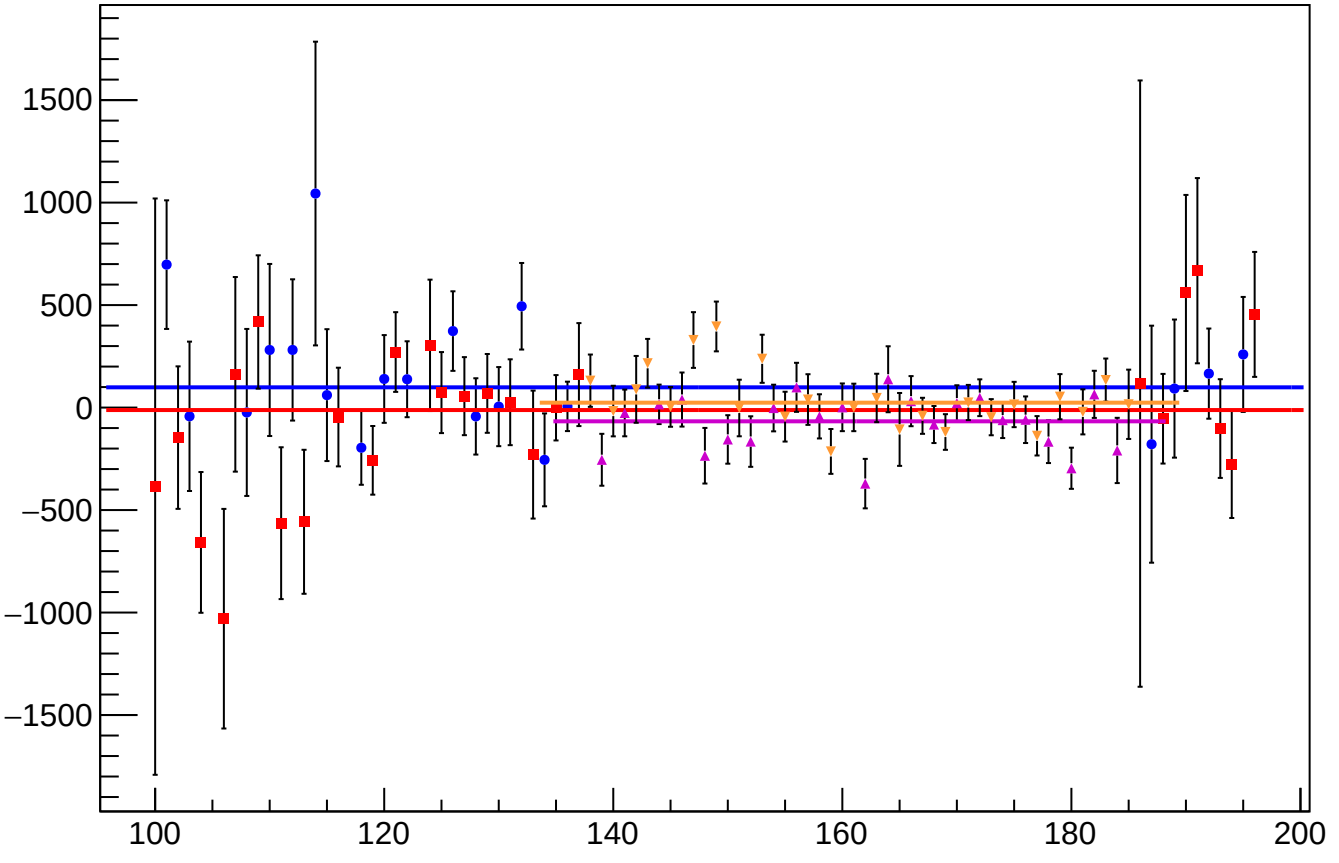
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 492.790+/-0.073 χ^2/NDF: 12789084.5/44

All: 496.830+/-0.052 χ^2/NDF: 28079433.9/93

- sign 501.055+/-0.075 χ^2/NDF: 15284127.9/48

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 98.752+/-52.052 χ^2/NDF: 18.7/19

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -12.090+/-51.247 χ^2/NDF: 27.9/25

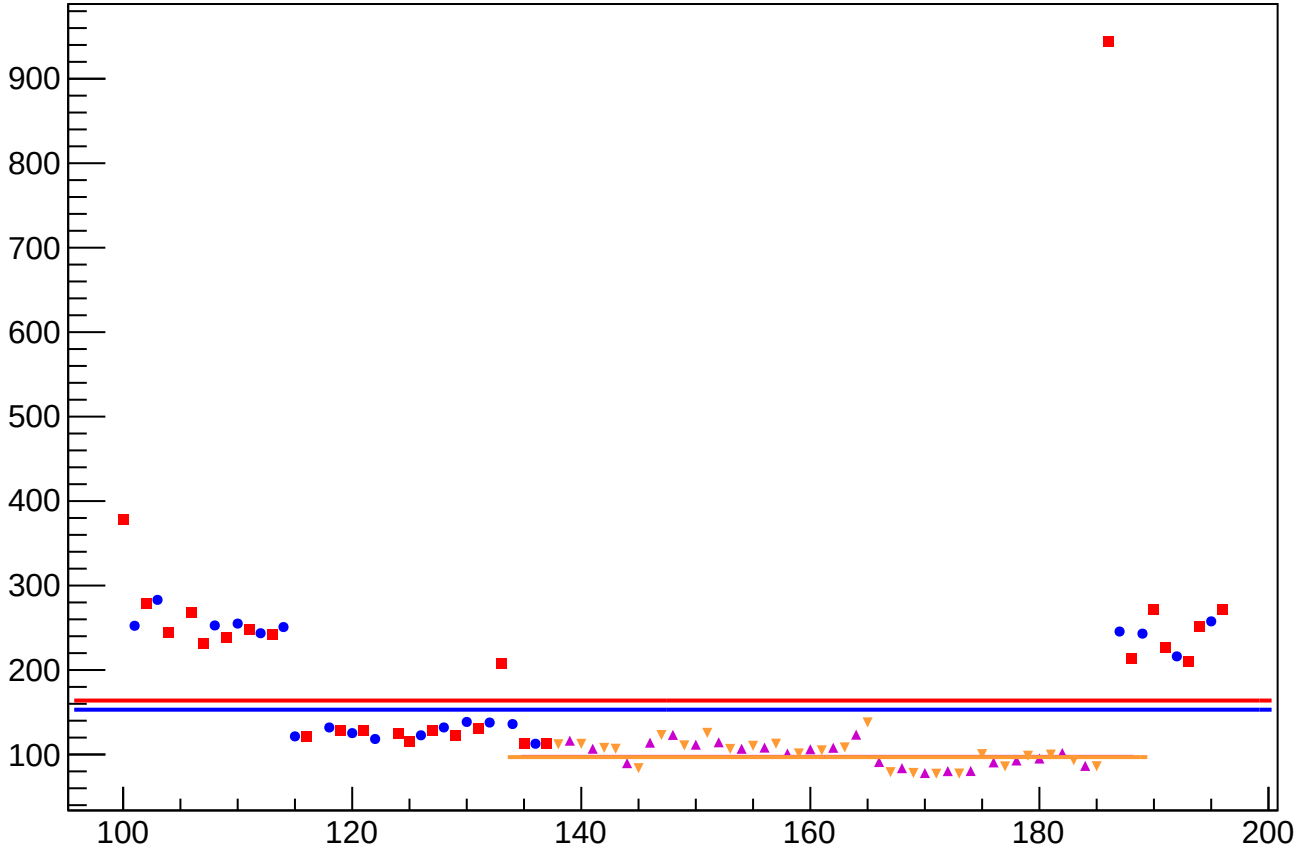
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 35.585+/-20.587 χ^2/NDF: 55.7/44

All: -10.004+/-14.727 χ^2/NDF: 123.2/93

- sign -57.784+/-21.075 χ^2/NDF: 57.5/48

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 153.025+/-0.037 χ^2/NDF: 1984166.8/19

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

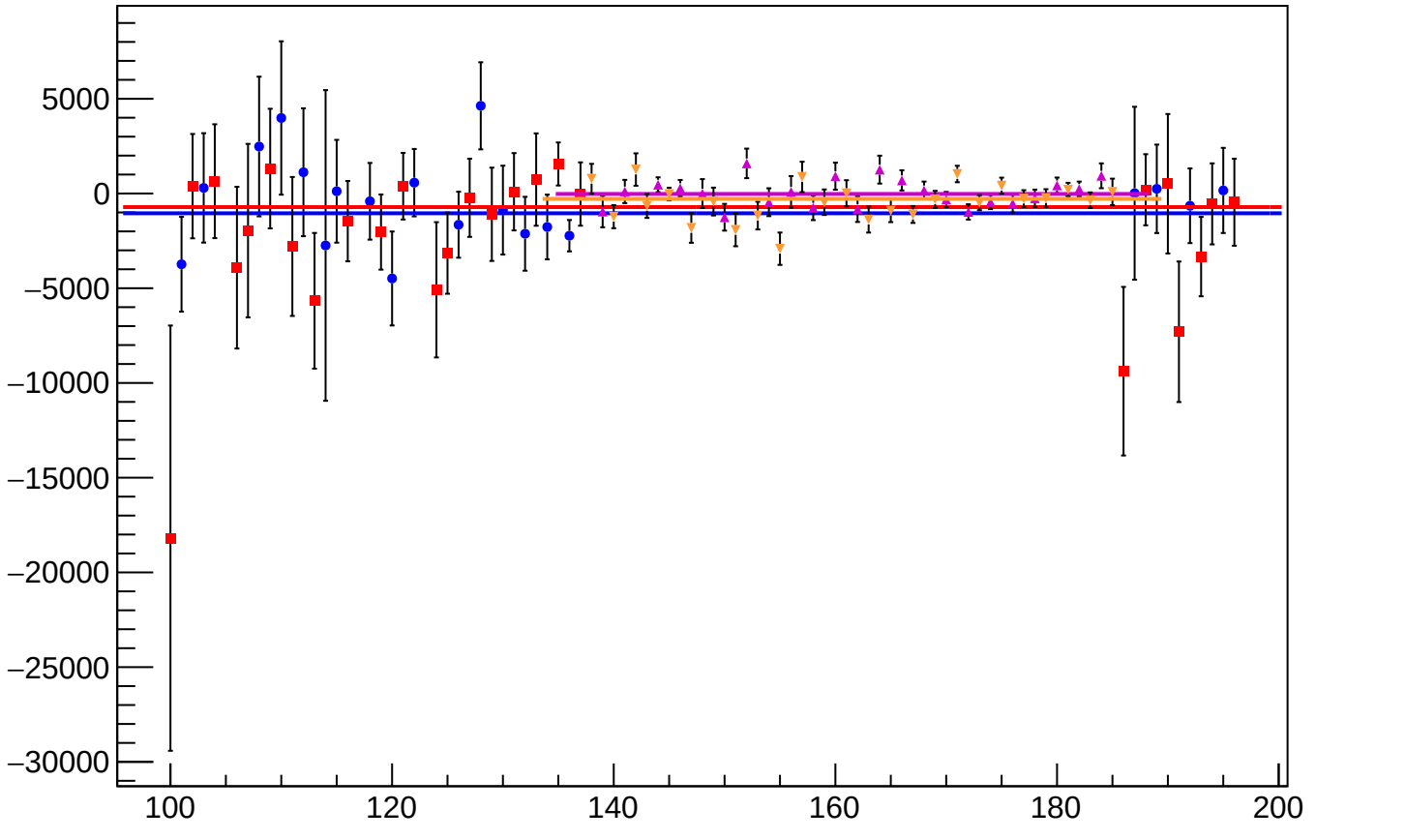
Right Out: 163.877+/-0.036 χ^2/NDF: 3043919.8/25

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 105.685+/-0.015 χ^2/NDF: 4879157.8/44

All: 107.035+/-0.010 χ^2/NDF: 11430987.9/93

- sign 108.450+/-0.015 χ^2/NDF: 6534222.1/48



Right In: -1044.782+/-455.085 χ^2/NDF: 16.7/19

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

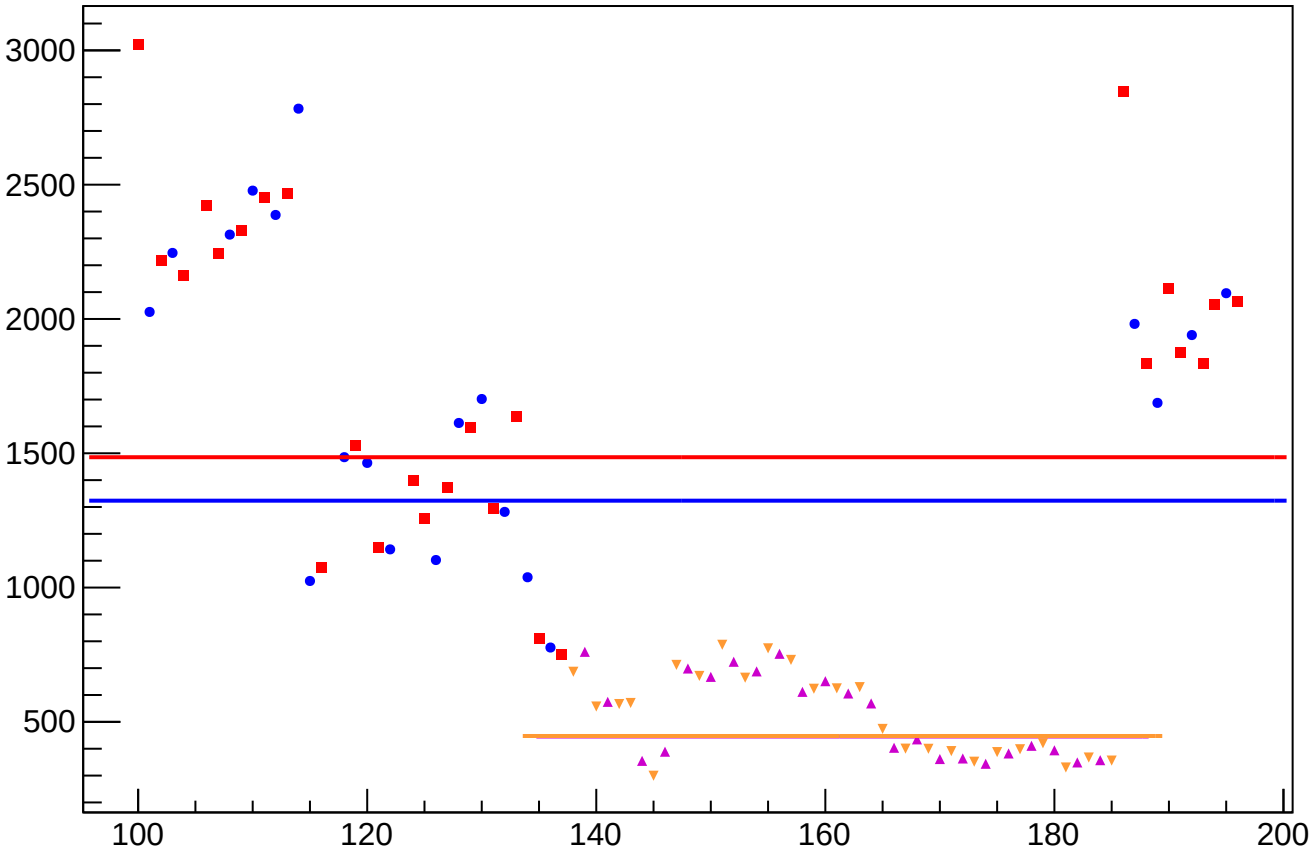
Right Out: -717.109+/-458.265 χ^2/NDF: 23.5/25

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -321.931+/-103.600 χ^2/NDF: 69.8/44

All: -194.679+/-74.068 χ^2/NDF: 131.5/93

- sign -61.630+/-105.934 χ^2/NDF: 58.6/48



Right In: 1323.501+/-0.322 χ^2/NDF: 2562915.1/19

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1485.288+/-0.324 χ^2/NDF: 2824466.2/25

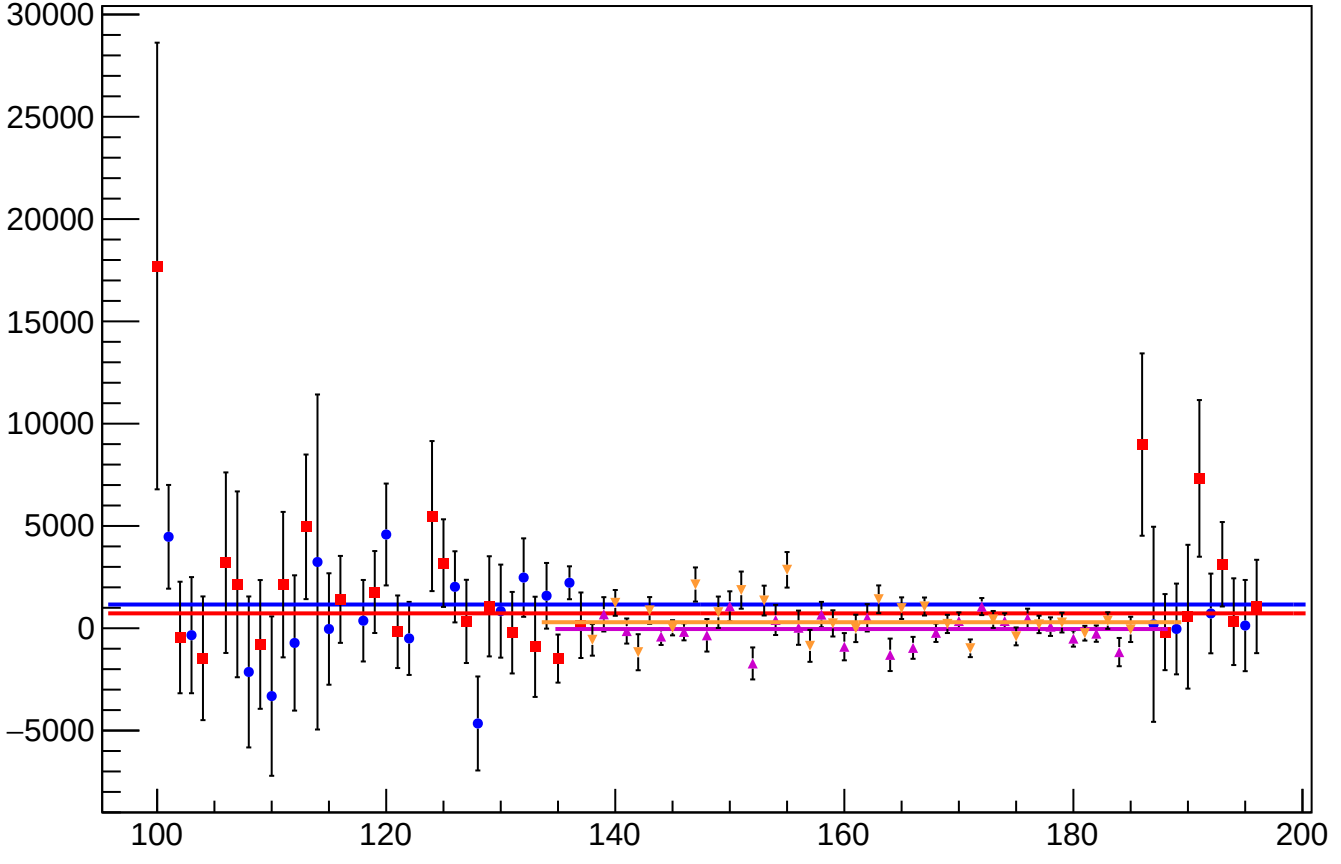
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 492.790+/-0.073 χ^2/NDF: 12789099.0/44

All: 496.830+/-0.052 χ^2/NDF: 28079452.2/93

- sign 501.054+/-0.075 χ^2/NDF: 15284131.4/48

asym_sam_26_avg_mean vs Slug



Right In: 1160.424+/-446.452 χ^2/NDF: 17.1/19

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 727.679+/-457.725 χ^2/NDF: 21.4/25

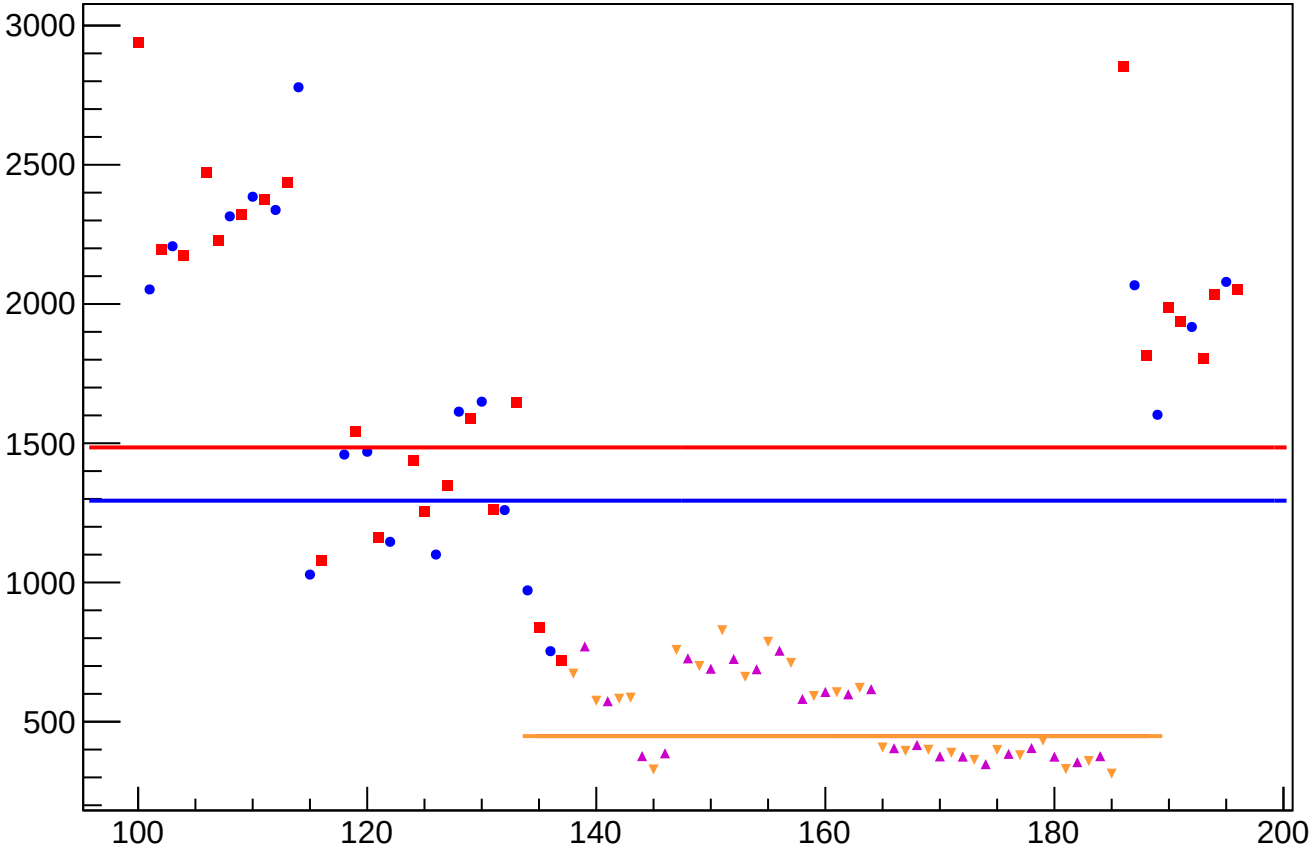
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 341.858+/-103.878 χ^2/NDF: 71.2/44

All: 176.478+/-74.303 χ^2/NDF: 133.4/93

- sign 3.214+/-106.325 χ^2/NDF: 57.0/48

asym_sam_26_avg_rms vs Slug



Right In: 1293.737+/-0.316 χ^2/NDF: 2658277.3/19

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1484.999+/-0.324 χ^2/NDF: 2740003.4/25

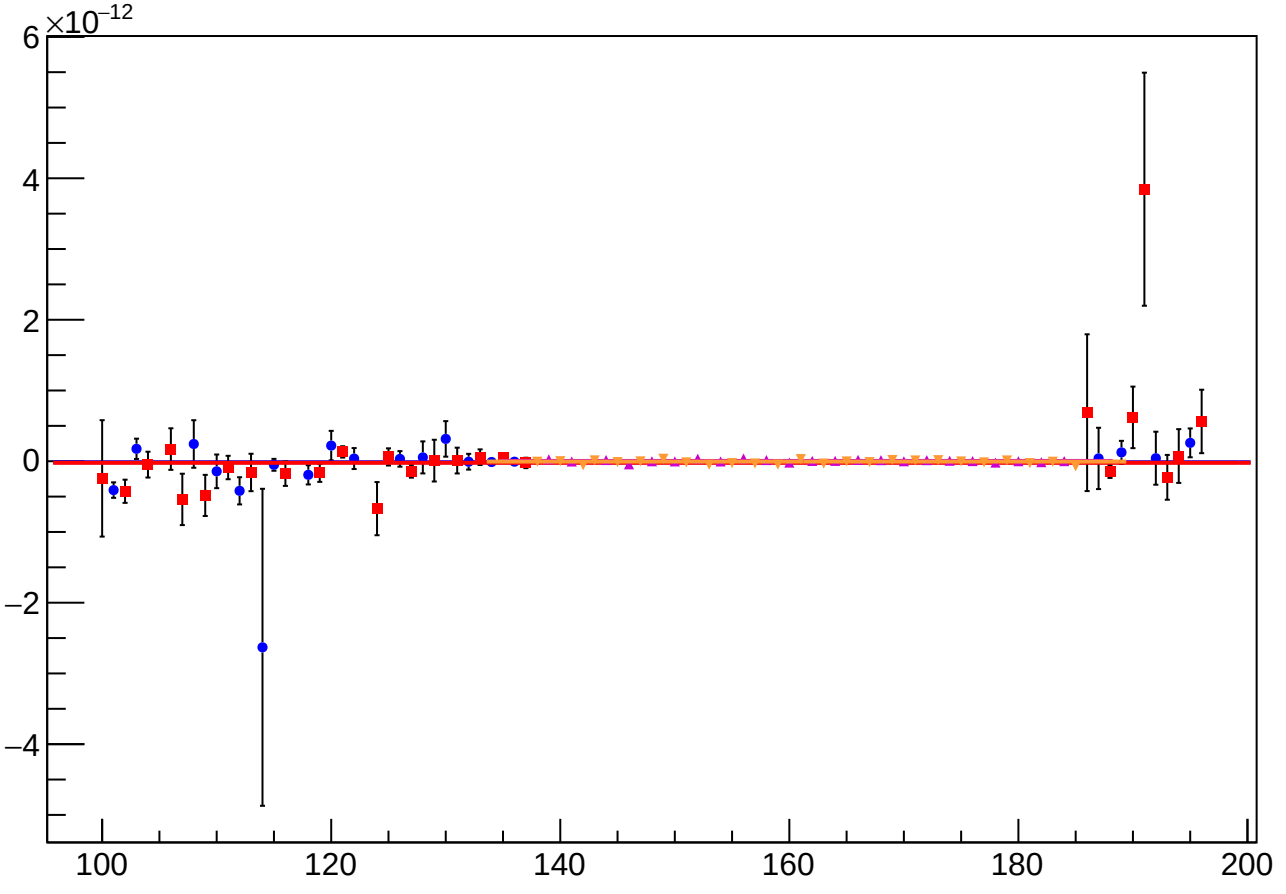
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 494.049+/-0.073 χ^2/NDF: 12599293.3/44

All: 499.071+/-0.053 χ^2/NDF: 27673709.9/93

- sign 504.331+/-0.075 χ^2/NDF: 15064848.2/48

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

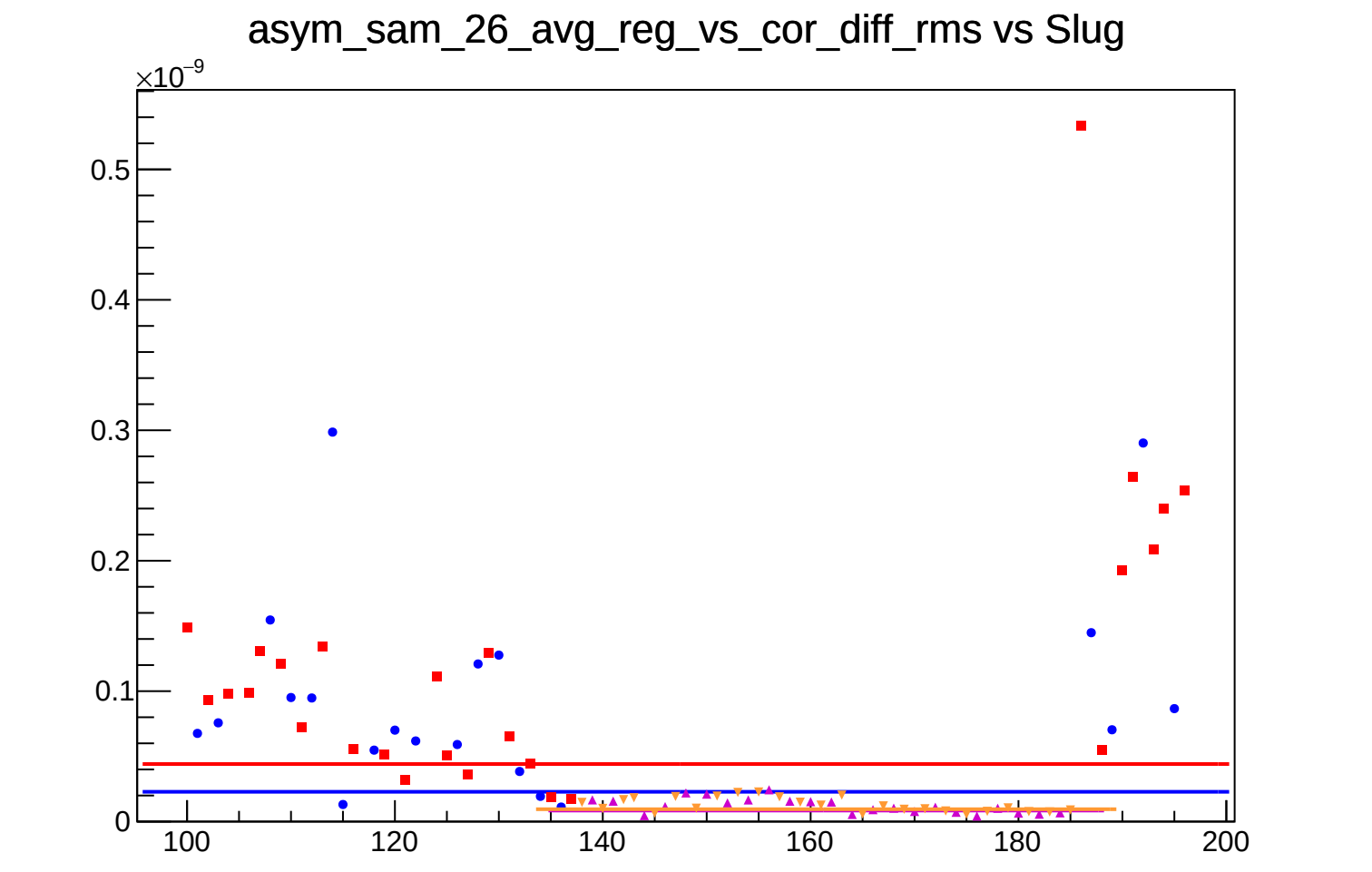
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/25

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/44

All: -0.000+/-0.000 χ^2/NDF: 110.9/93

- sign 0.000+/-0.000 χ^2/NDF: 55.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4944597.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

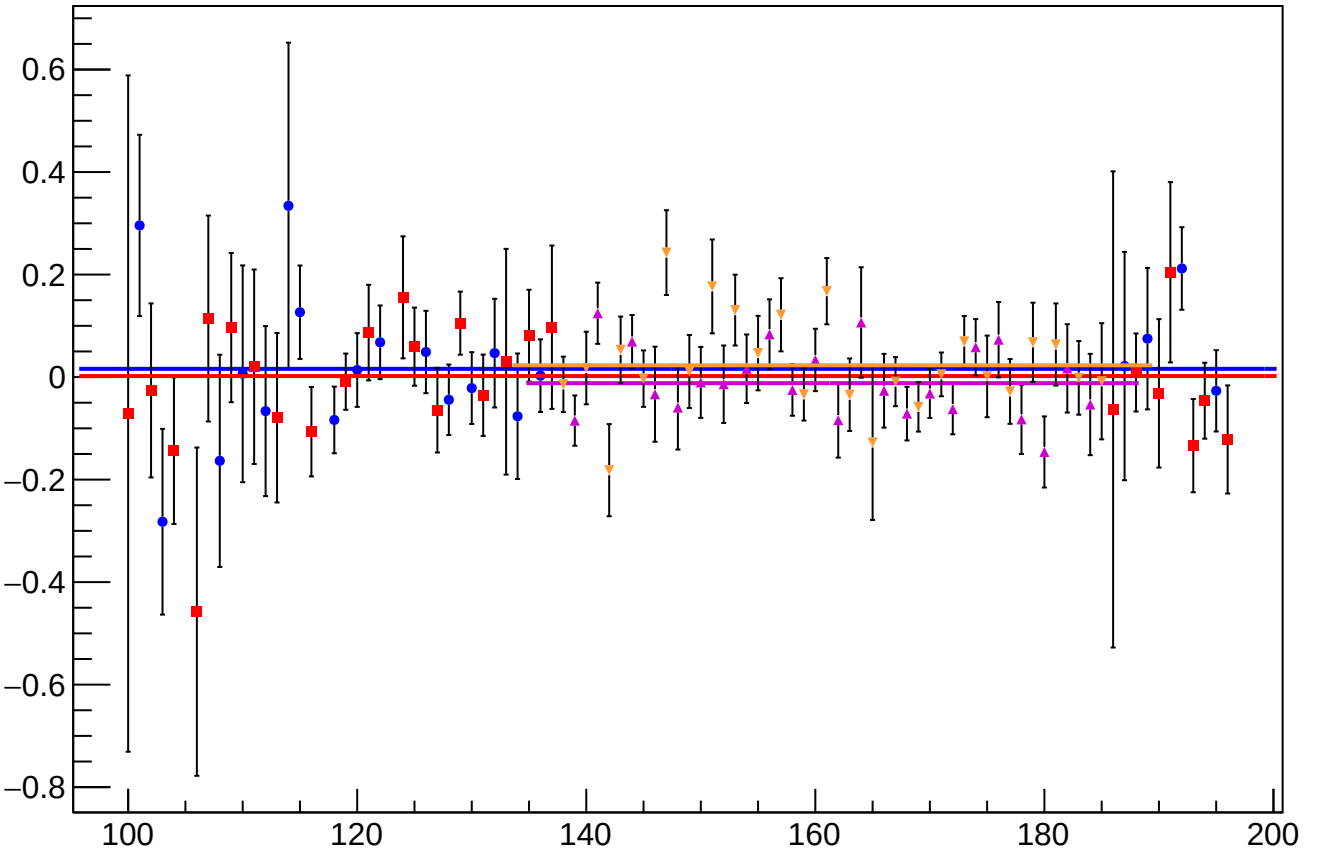
Right Out: 0.000+/-0.000 χ^2/NDF: 4341042.4/25

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8464047.3/44

All: 0.000+/-0.000 χ^2/NDF: 19255616.5/93

- sign 0.000+/-0.000 χ^2/NDF: 10733255.0/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

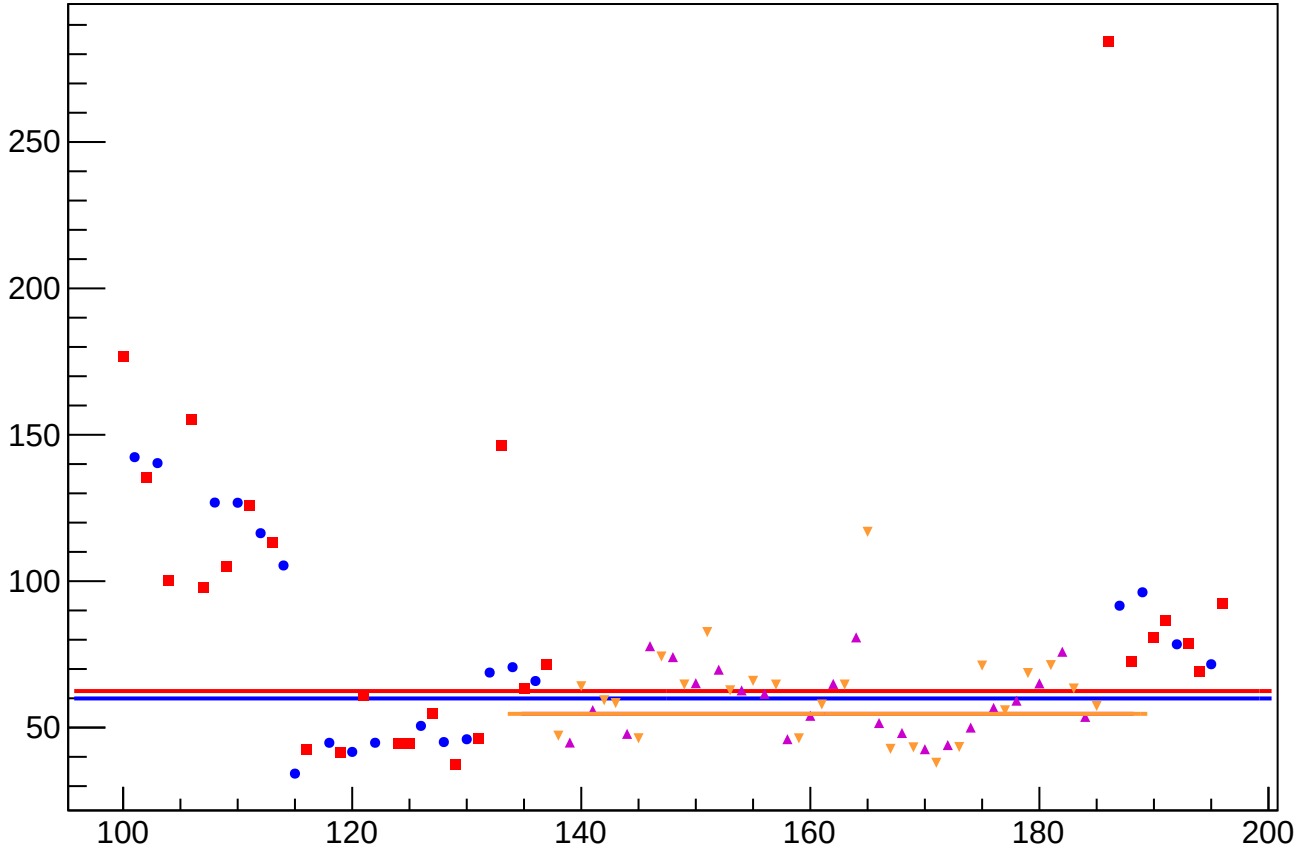
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/44

All: 0.007+/-0.008 χ^2/NDF: 102.7/93

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.944+/-0.015 χ^2/NDF: 2564831.6/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

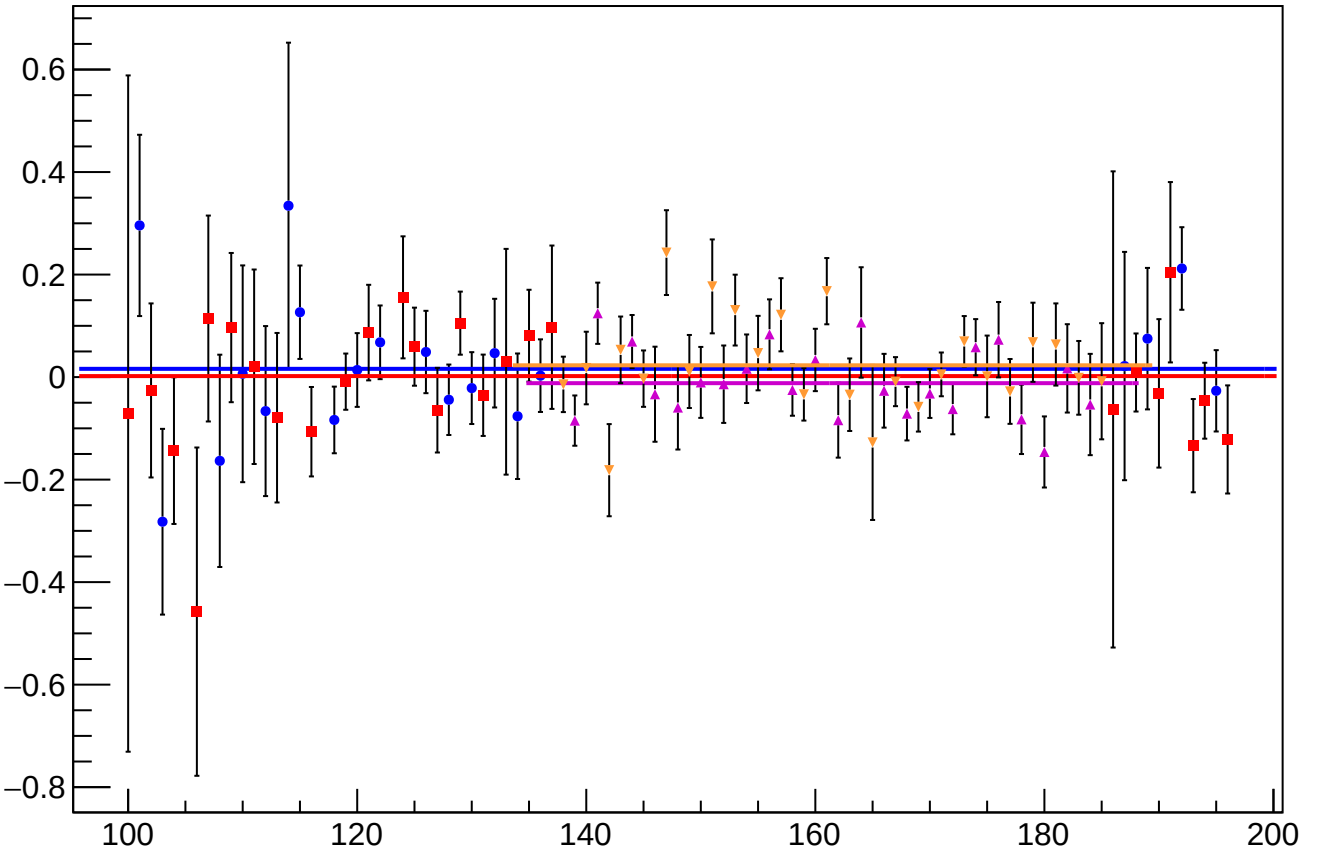
Right Out: 62.472+/-0.014 χ^2/NDF: 3474160.8/25

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.104+/-0.008 χ^2/NDF: 4590597.8/44

All: 56.569+/-0.006 χ^2/NDF: 9470658.4/93

- sign 57.037+/-0.008 χ^2/NDF: 4872953.4/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

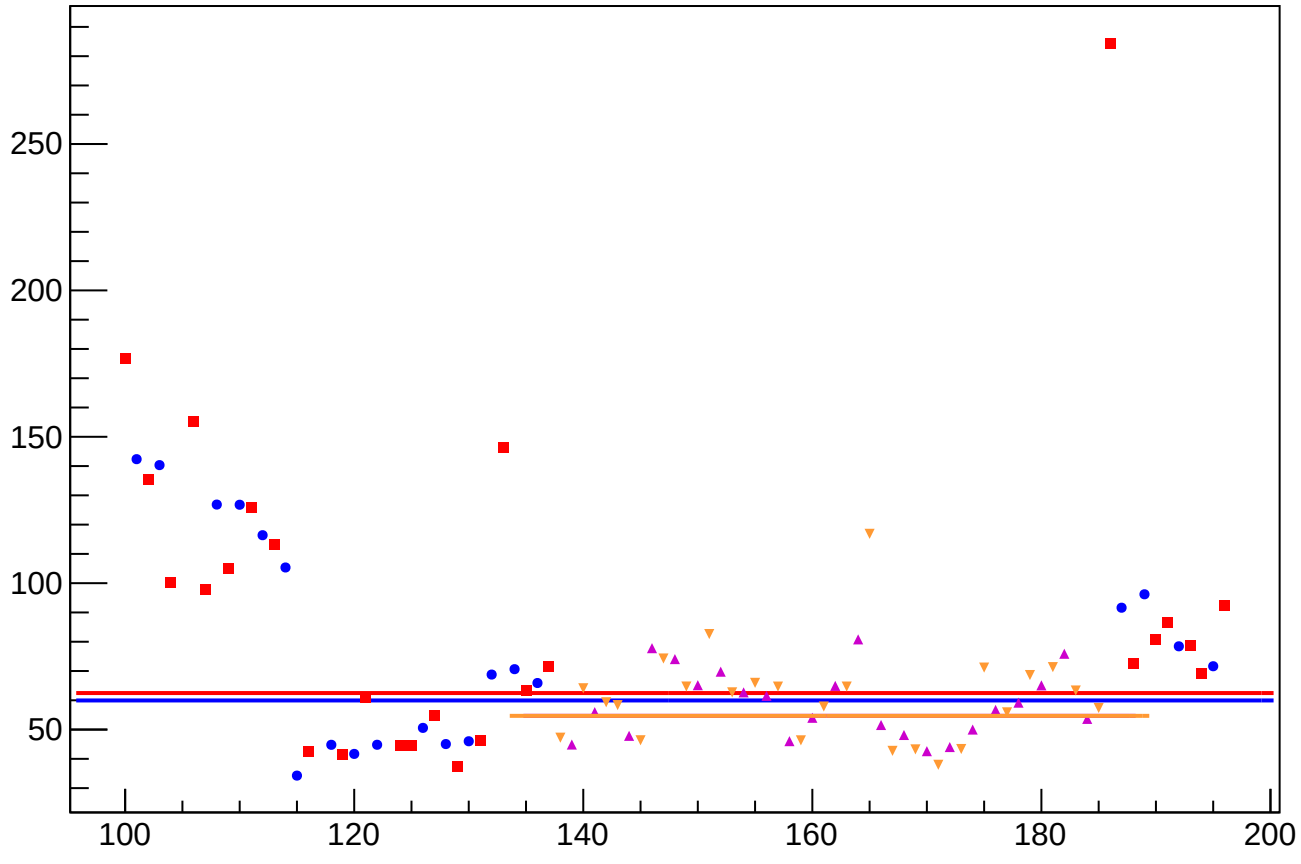
Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/44

All: 0.007+/-0.008 χ^2/NDF: 102.7/93

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48



Right In: 59.944+/-0.015 χ^2/NDF: 2564831.6/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

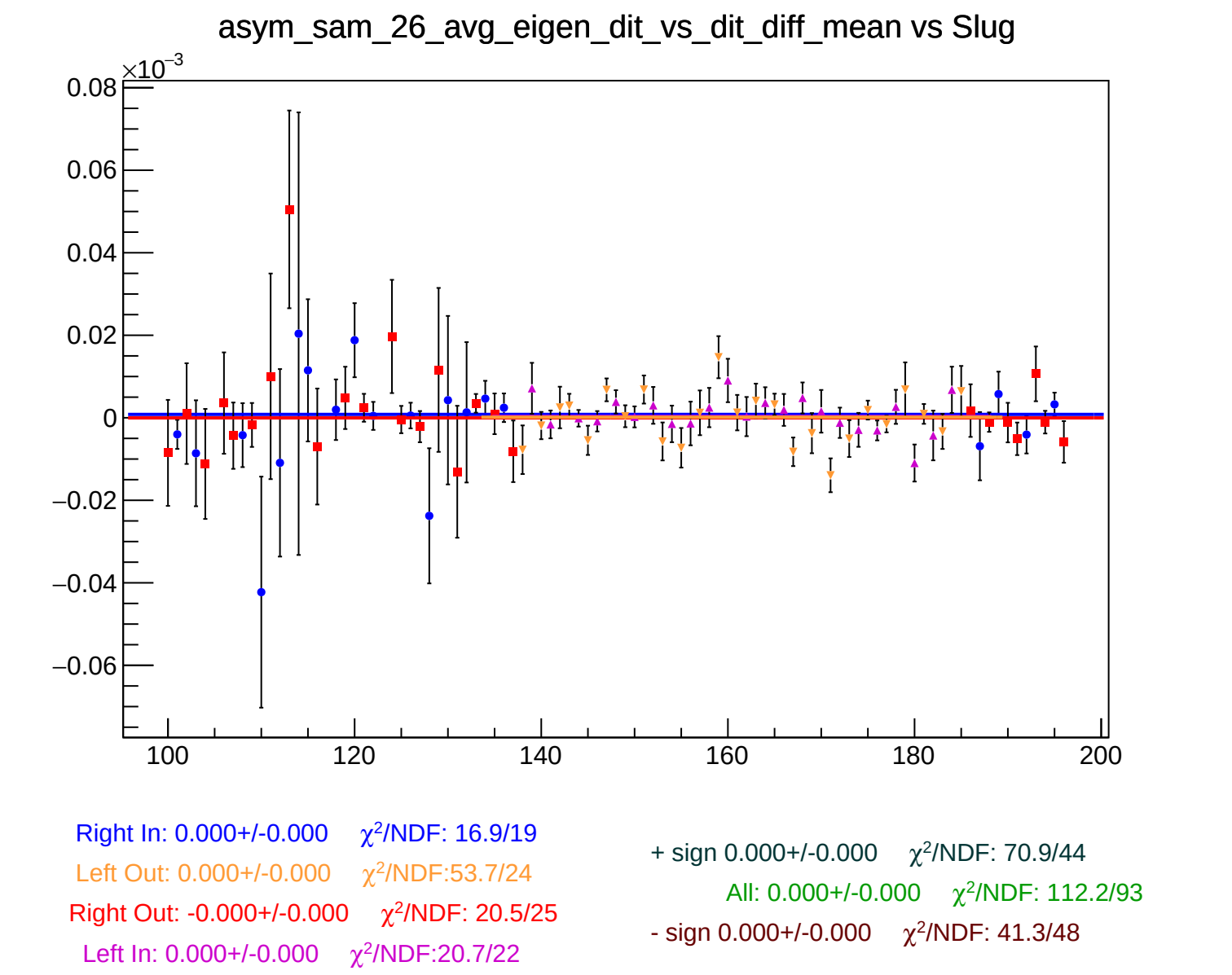
Right Out: 62.472+/-0.014 χ^2/NDF: 3474160.8/25

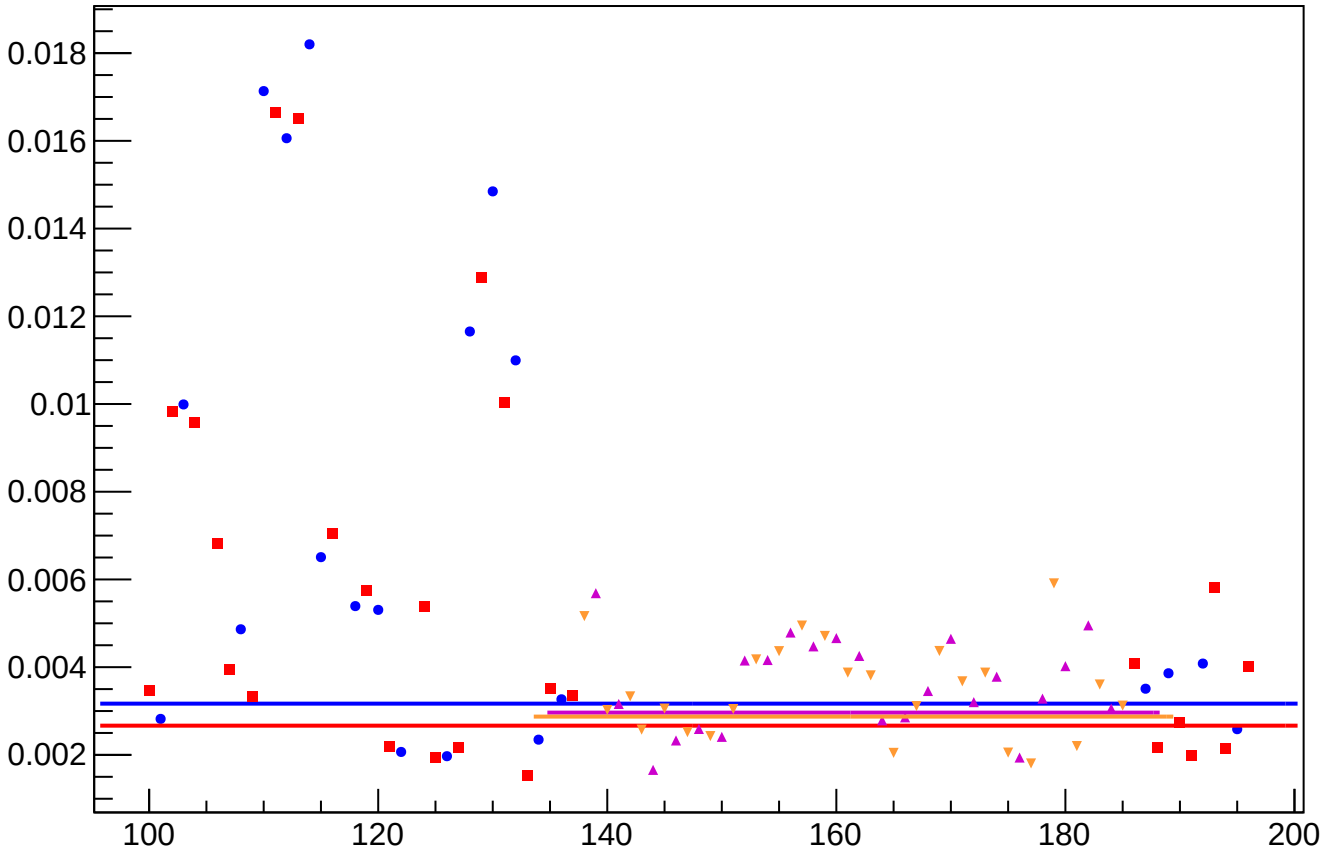
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 56.104+/-0.008 χ^2/NDF: 4590597.8/44

All: 56.569+/-0.006 χ^2/NDF: 9470658.4/93

\- sign 57.037+/-0.008 χ^2/NDF: 4872953.4/48


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.9/19
Left Out: 0.000+/-0.000 χ²/NDF:53.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/25
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 70.9/44
All: 0.000+/-0.000 χ²/NDF: 112.2/93
- sign 0.000+/-0.000 χ²/NDF: 41.3/48



Right In: 0.003+/-0.000 χ^2/NDF: 4745327.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

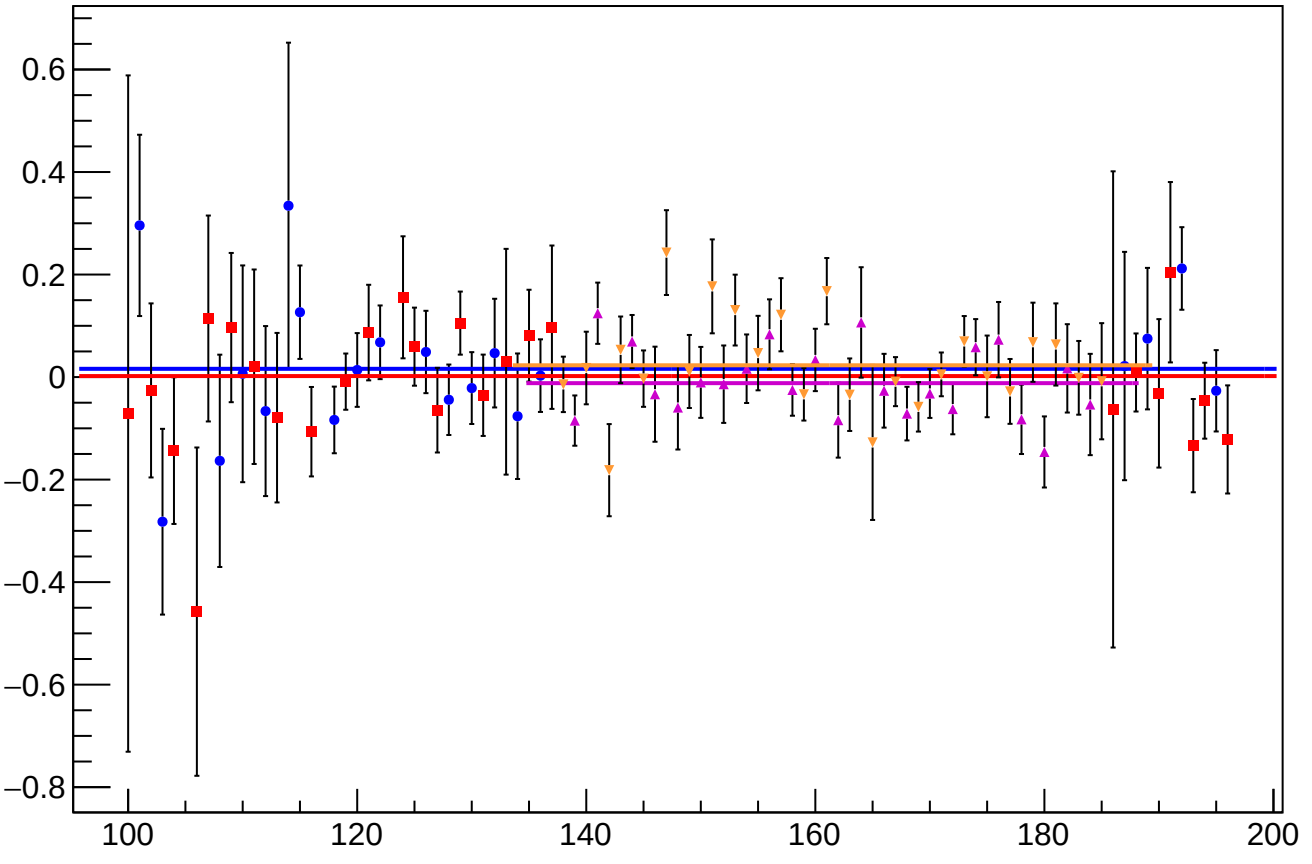
Right Out: 0.003+/-0.000 χ^2/NDF: 6063429.9/25

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8439010.1/44

All: 0.003+/-0.000 χ^2/NDF: 18270799.5/93

- sign 0.003+/-0.000 χ^2/NDF: 9804452.4/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

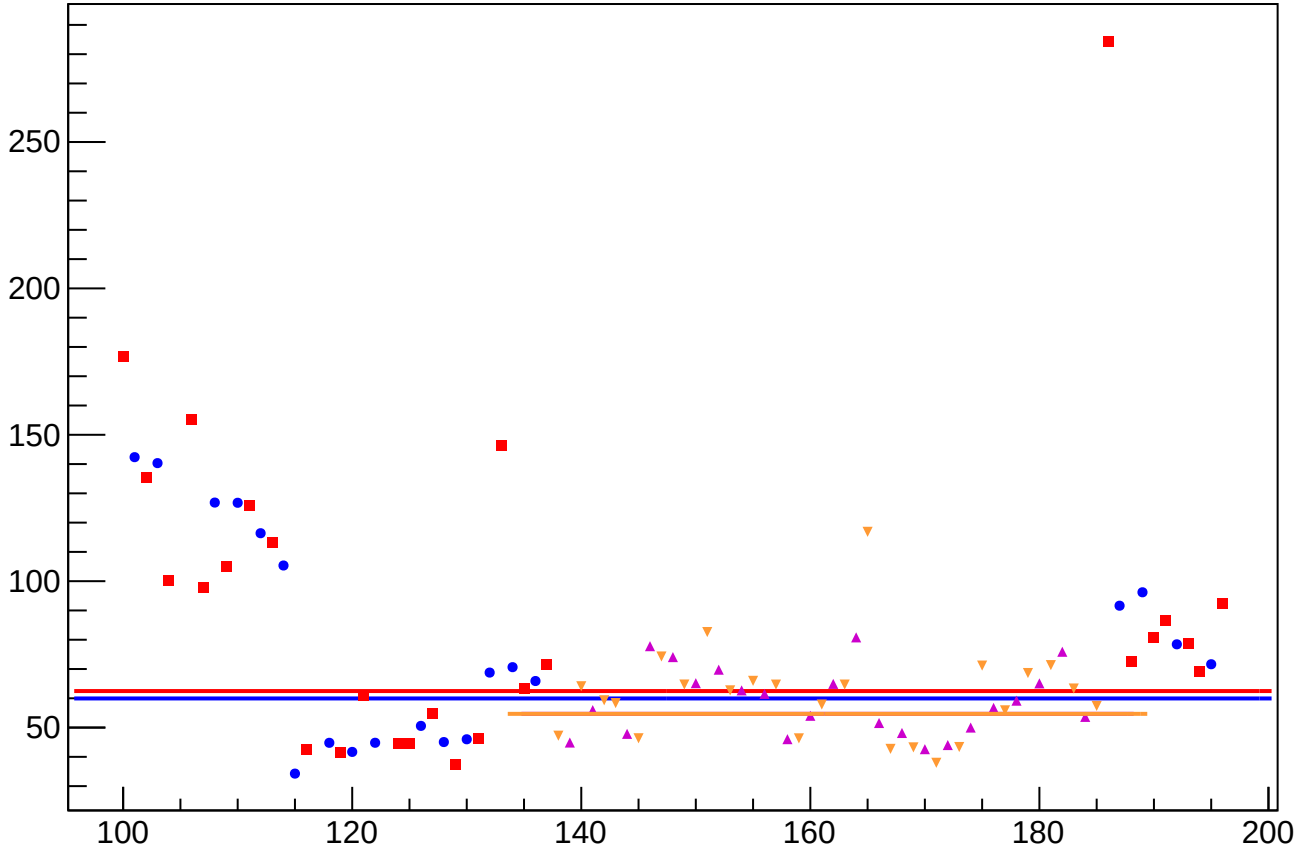
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/44

All: 0.007+/-0.008 χ^2/NDF: 102.8/93

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.944+/-0.015 χ^2/NDF: 2564795.8/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

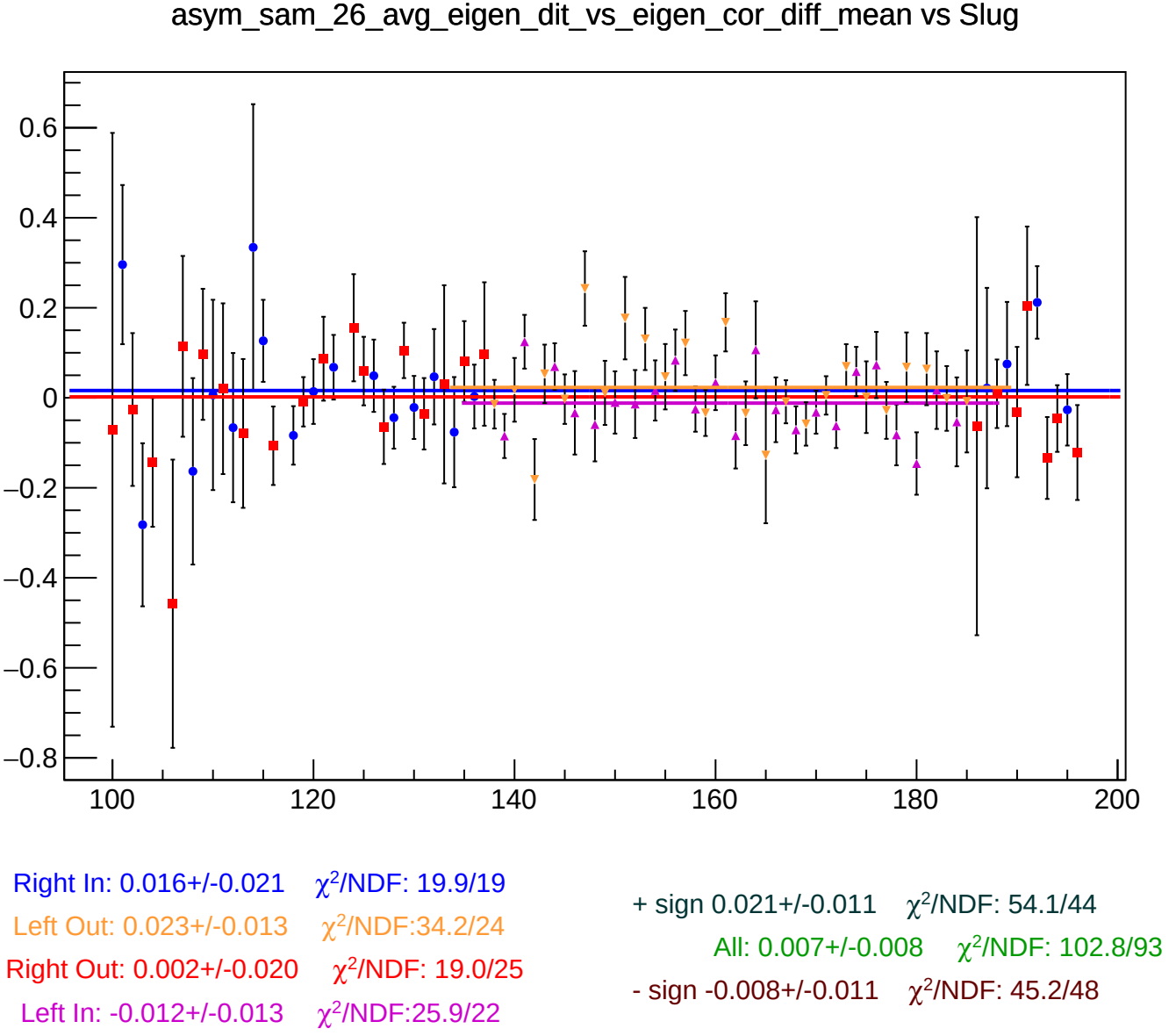
Right Out: 62.471+/-0.014 χ^2/NDF: 3474129.1/25

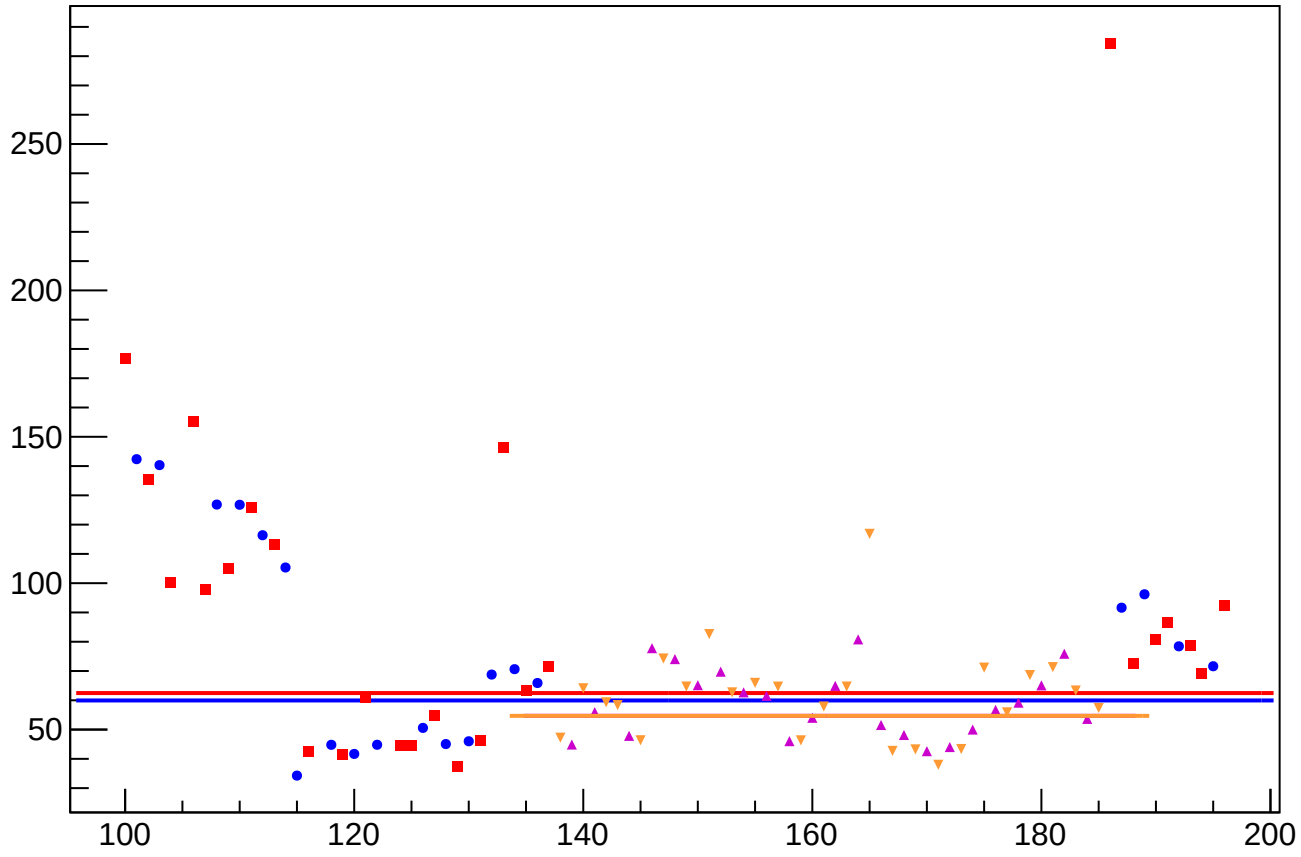
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 56.104+/-0.008 χ^2/NDF: 4590533.4/44

All: 56.570+/-0.006 χ^2/NDF: 9470478.5/93

\- 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: 19.9/19
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: 54.1/44
All: 0.007+/-0.008 χ²/NDF: 102.8/93
- sign -0.008+/-0.011 χ²/NDF: 45.2/48



Right In: 59.944+/-0.015 χ^2/NDF: 2564795.8/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

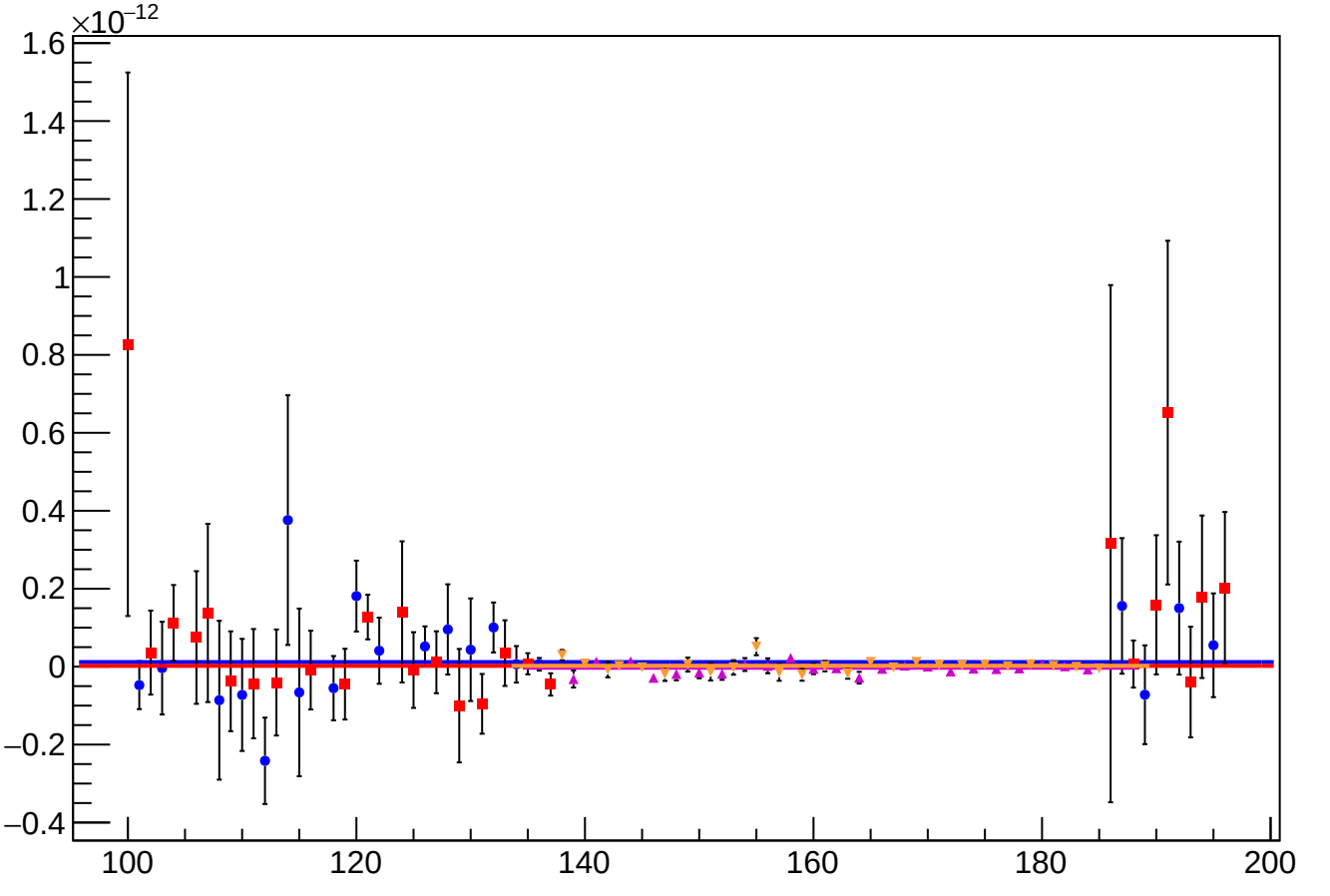
Right Out: 62.471+/-0.014 χ^2/NDF: 3474129.1/25

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.104+/-0.008 χ^2/NDF: 4590533.4/44

All: 56.570+/-0.006 χ^2/NDF: 9470478.5/93

- sign 57.037+/-0.008 χ^2/NDF: 4872837.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

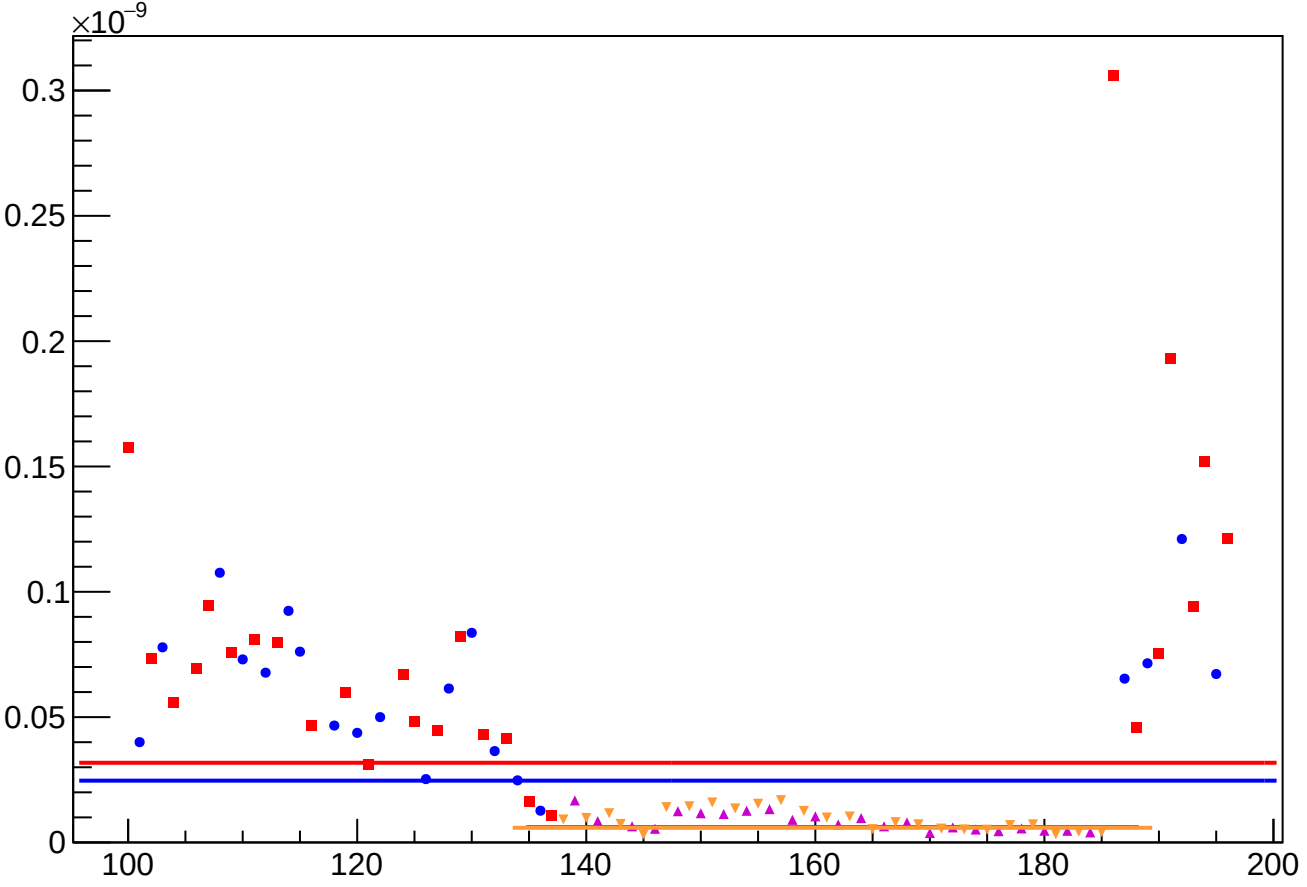
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/25

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/44

All: -0.000+/-0.000 χ^2/NDF: 95.1/93

- sign -0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 4990747.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6231859.3/25

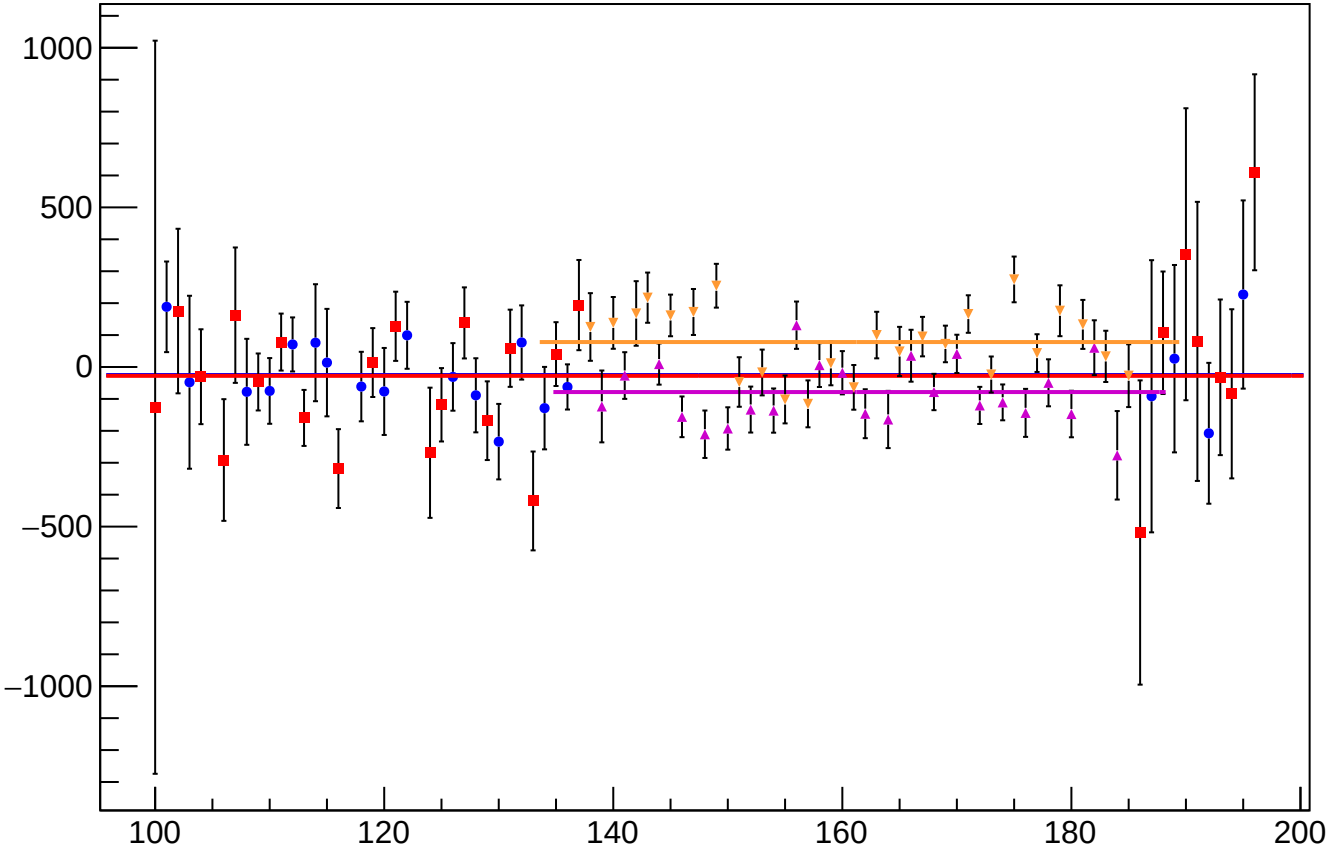
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14777517.3/44

All: 0.000+/-0.000 χ^2/NDF: 30271947.9/93

- sign 0.000+/-0.000 χ^2/NDF: 15468704.6/48

reg_asym_sam_37_avg_mean vs Slug



Right In: -25.150+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.668+/-27.541 χ^2/NDF: 36.8/25

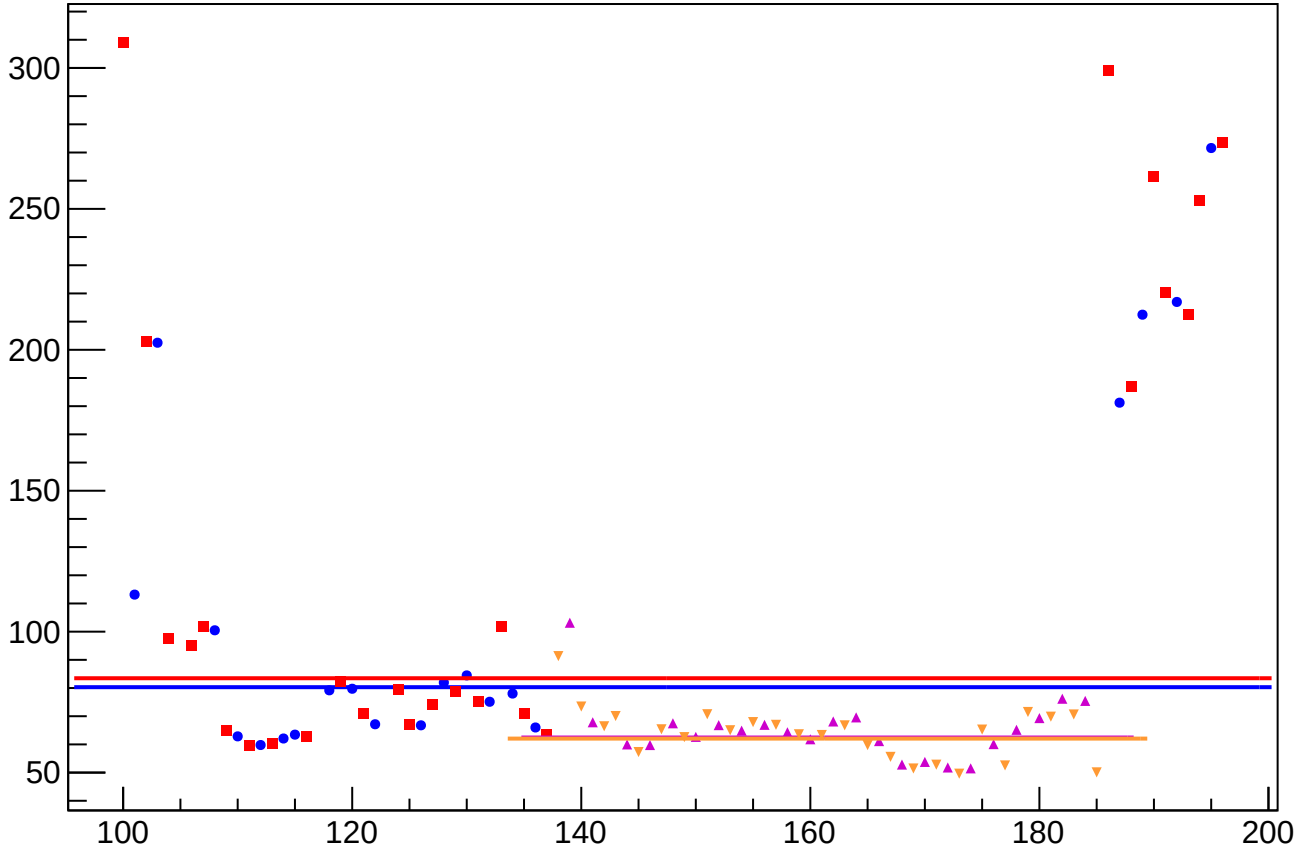
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.129+/-12.785 χ^2/NDF: 77.0/44

All: -3.736+/-9.131 χ^2/NDF: 199.4/93

- sign -67.102+/-13.045 χ^2/NDF: 76.1/48

reg_asym_sam_37_avg_rms vs Slug



Right In: 80.302+/-0.020 χ^2/NDF: 3038889.2/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 83.476+/-0.019 χ^2/NDF: 4799899.9/25

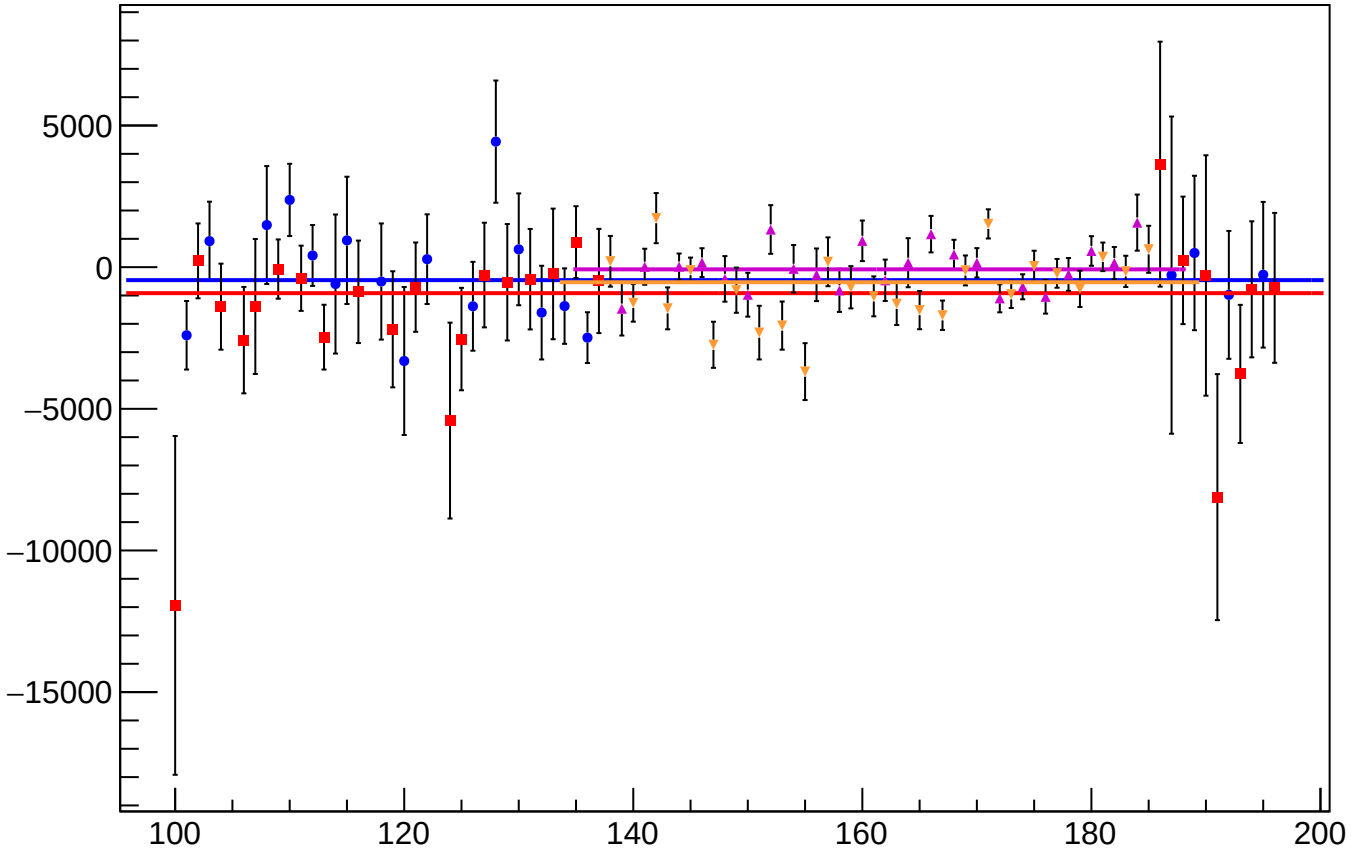
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385407.5/44

All: 66.455+/-0.006 χ^2/NDF: 10766129.8/93

- sign 67.163+/-0.009 χ^2/NDF: 6369177.3/48

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -457.880+/-362.165 χ^2/NDF: 23.9/19

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

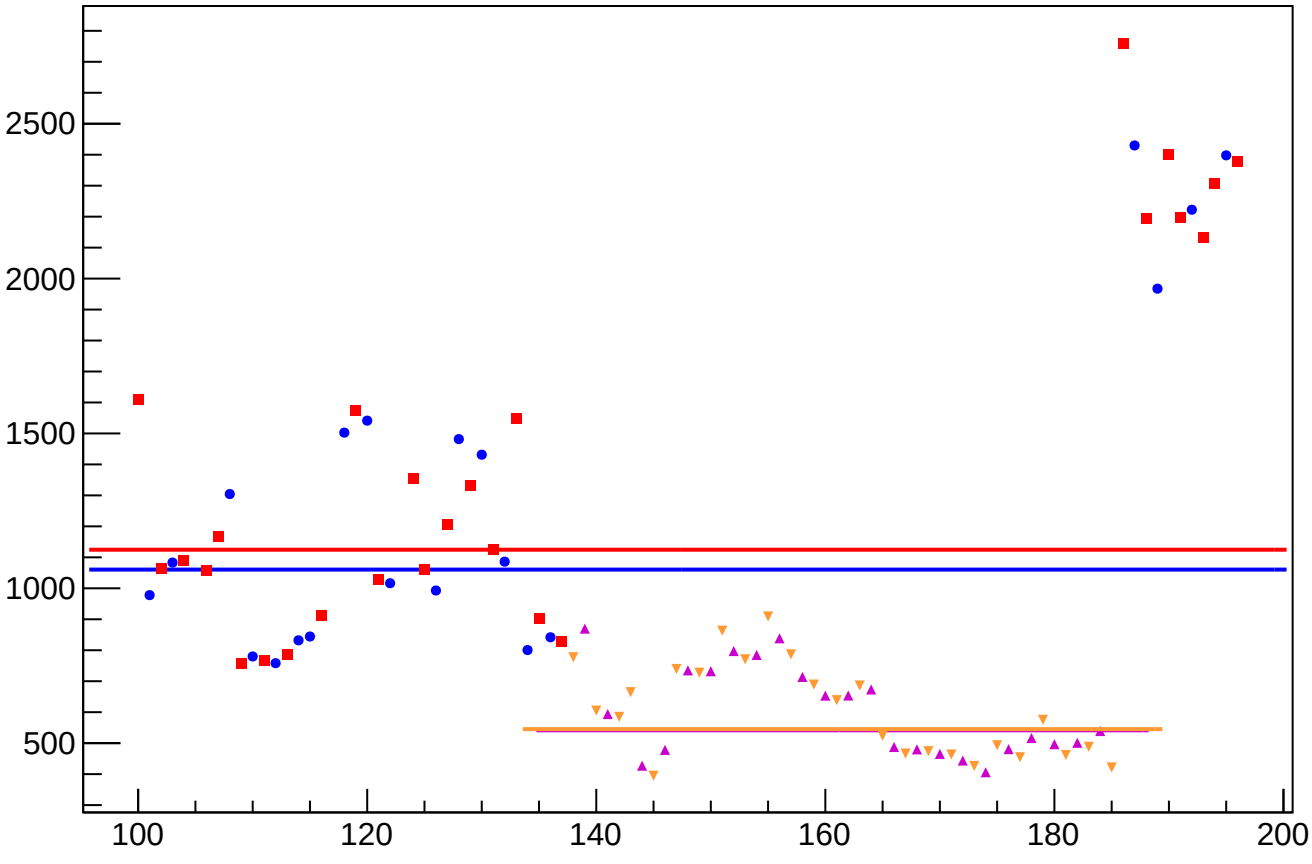
Right Out: -917.529+/-352.210 χ^2/NDF: 18.6/25

Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -524.470+/-120.623 χ^2/NDF: 93.0/44

All: -353.788+/-85.852 χ^2/NDF: 149.0/93

- sign -178.557+/-122.220 χ^2/NDF: 52.0/48



Right In: 1060.441+/-0.256 χ^2/NDF: 2249093.3/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1124.598+/-0.249 χ^2/NDF: 3299141.9/25

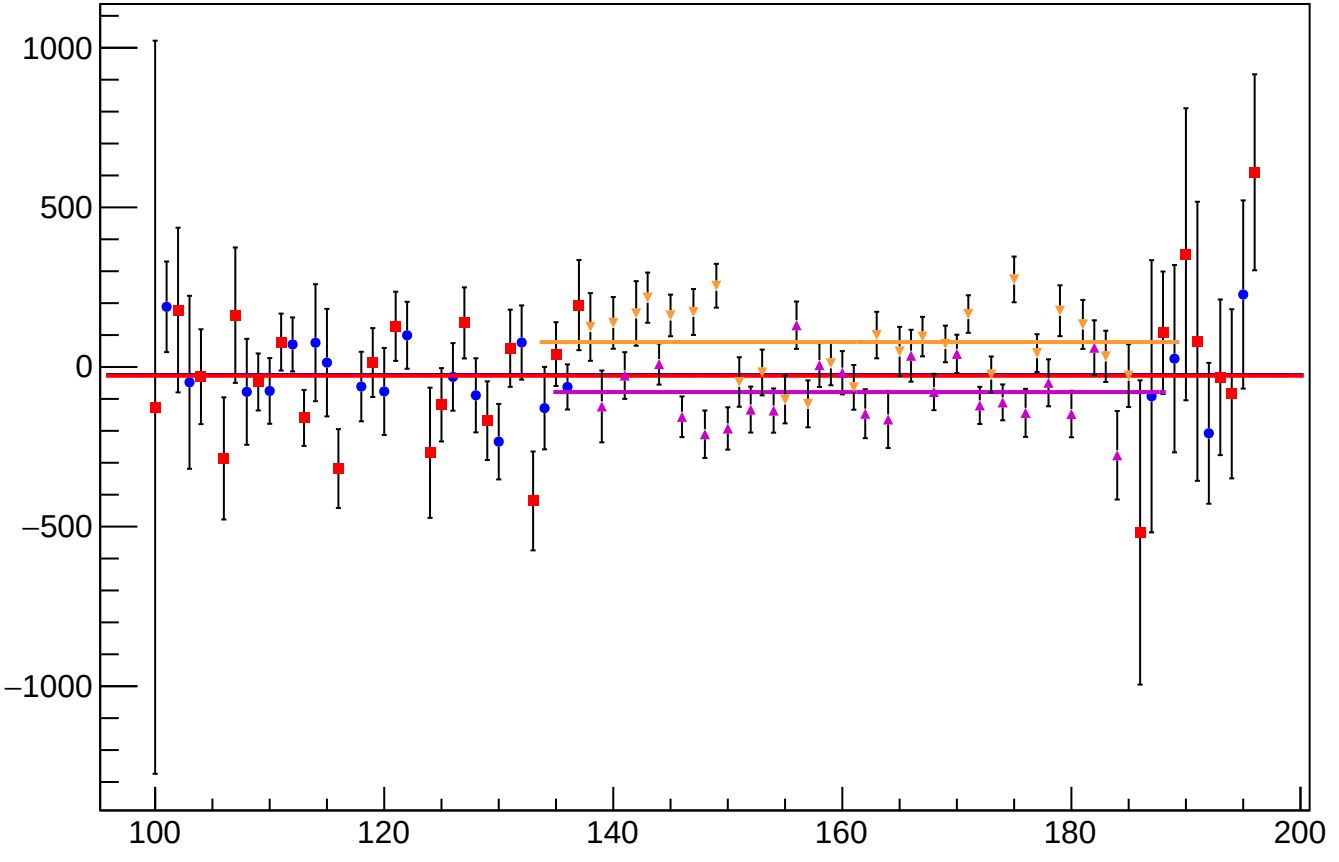
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930266.7/44

All: 607.001+/-0.061 χ^2/NDF: 17897784.9/93

- sign 611.676+/-0.086 χ^2/NDF: 9961742.0/48

cor_asym_sam_37_avg_mean vs Slug



Right In: -25.157+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.477+/-27.544 χ^2/NDF: 36.8/25

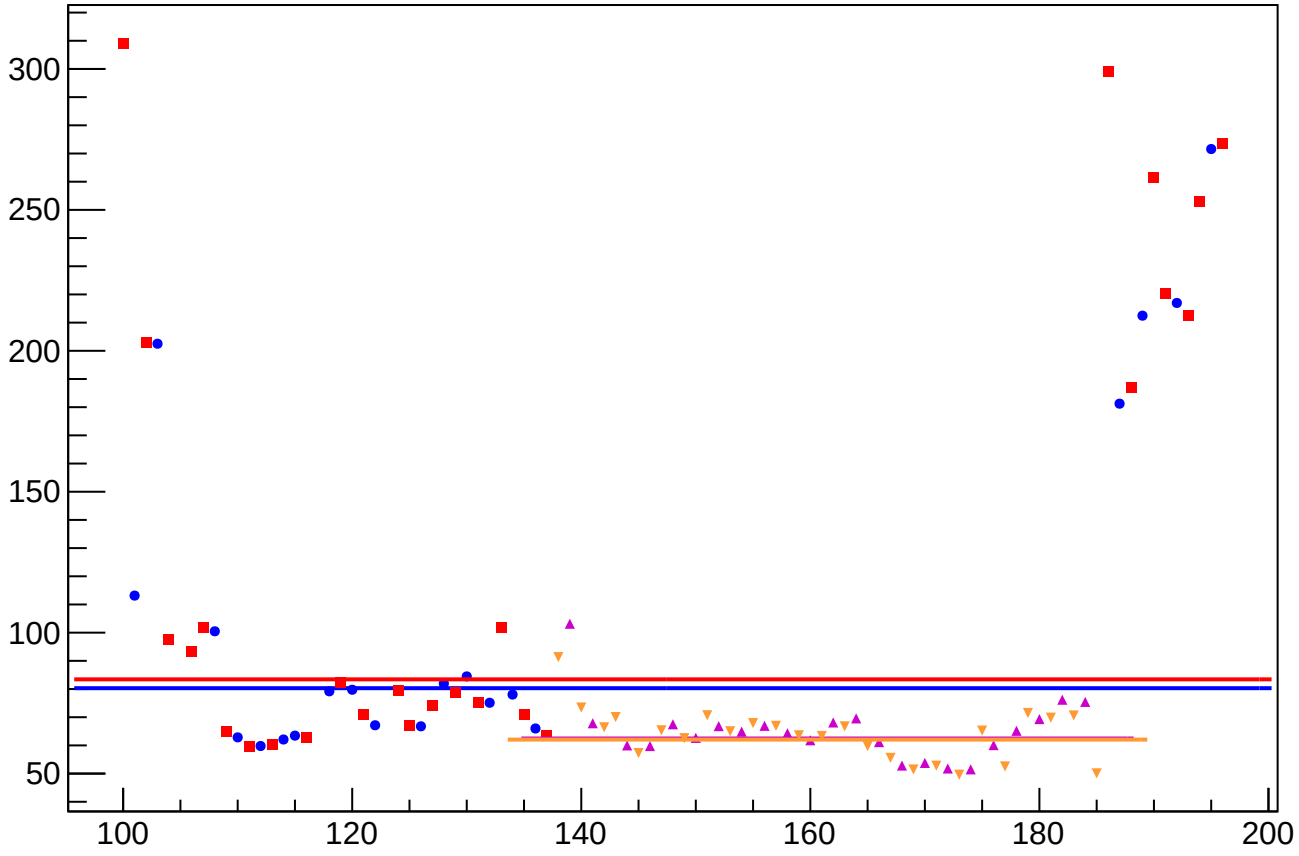
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.131+/-12.785 χ^2/NDF: 77.0/44

All: -3.714+/-9.131 χ^2/NDF: 199.3/93

- sign -67.060+/-13.045 χ^2/NDF: 76.1/48

cor_asym_sam_37_avg_rms vs Slug



Right In: 80.302+/-0.020 χ^2/NDF: 3038891.4/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 83.439+/-0.019 χ^2/NDF: 4798066.7/25

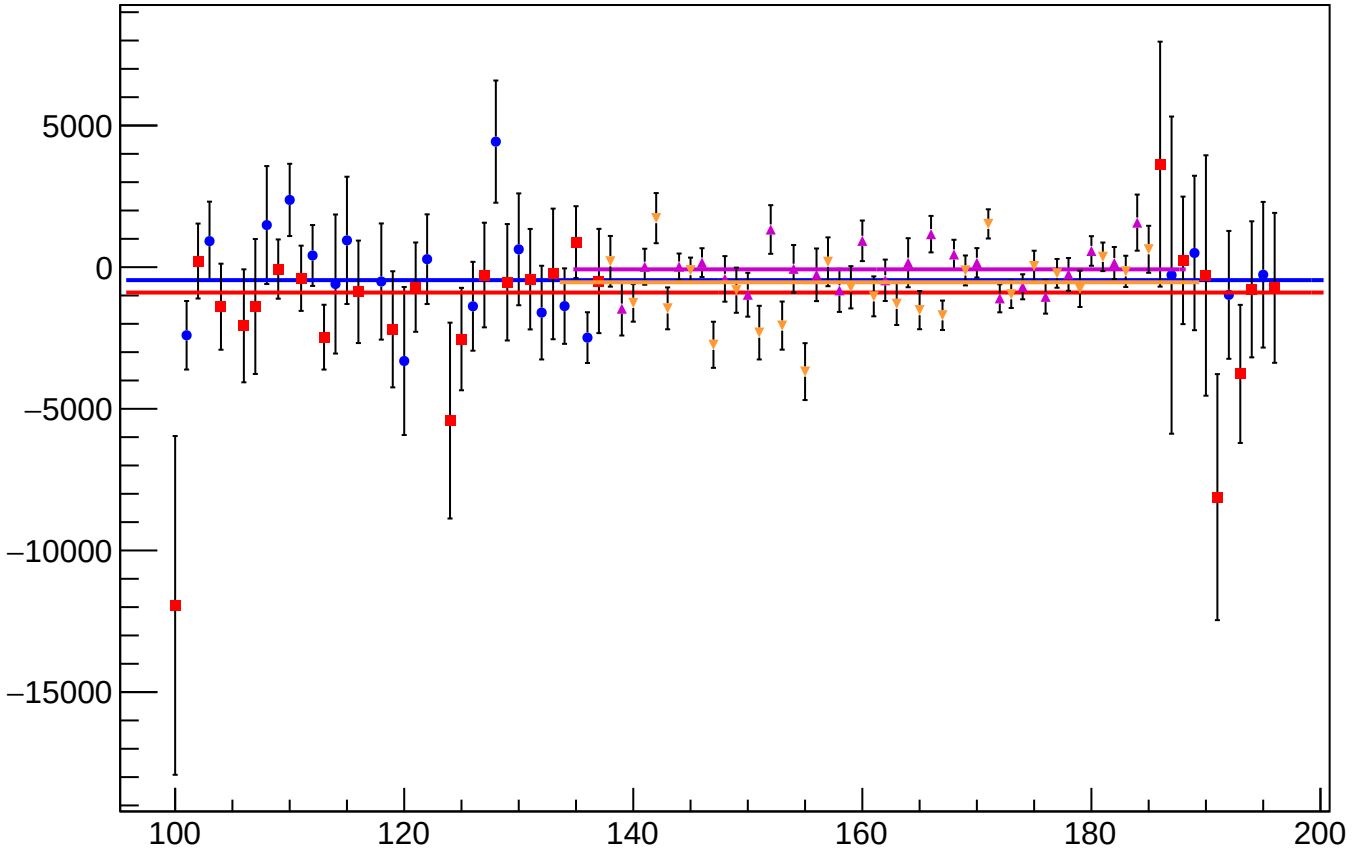
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385409.3/44

All: 66.451+/-0.006 χ^2/NDF: 10760801.6/93

- sign 67.154+/-0.009 χ^2/NDF: 6363998.1/48

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -457.867+/-362.168 χ^2/NDF: 23.9/19

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -895.693+/-352.933 χ^2/NDF: 18.1/25

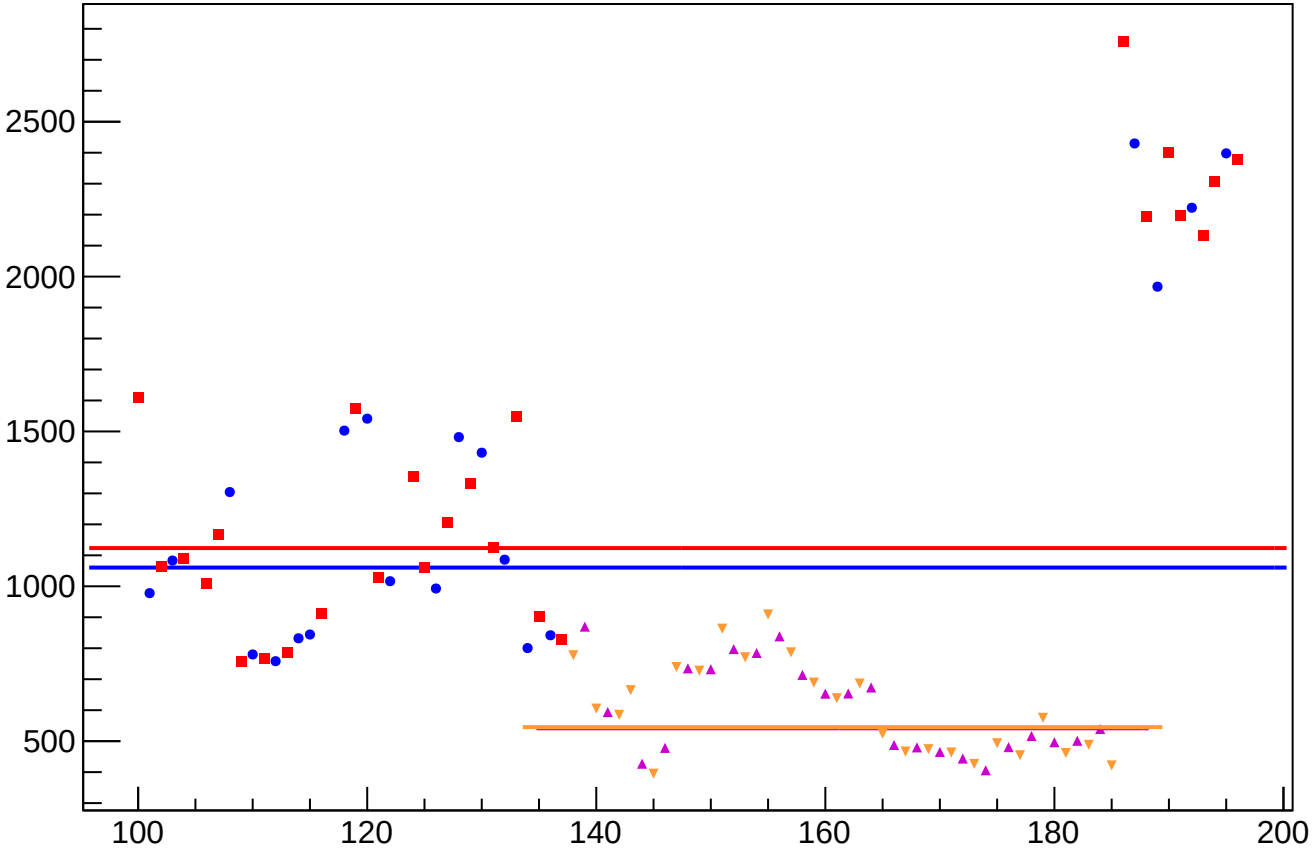
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -524.467+/-120.623 χ^2/NDF: 93.0/44

All: -352.357+/-85.863 χ^2/NDF: 148.4/93

- sign -175.572+/-122.250 χ^2/NDF: 51.2/48

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1060.448+/-0.256 χ^2/NDF: 2249101.4/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1123.421+/-0.250 χ^2/NDF: 3303140.0/25

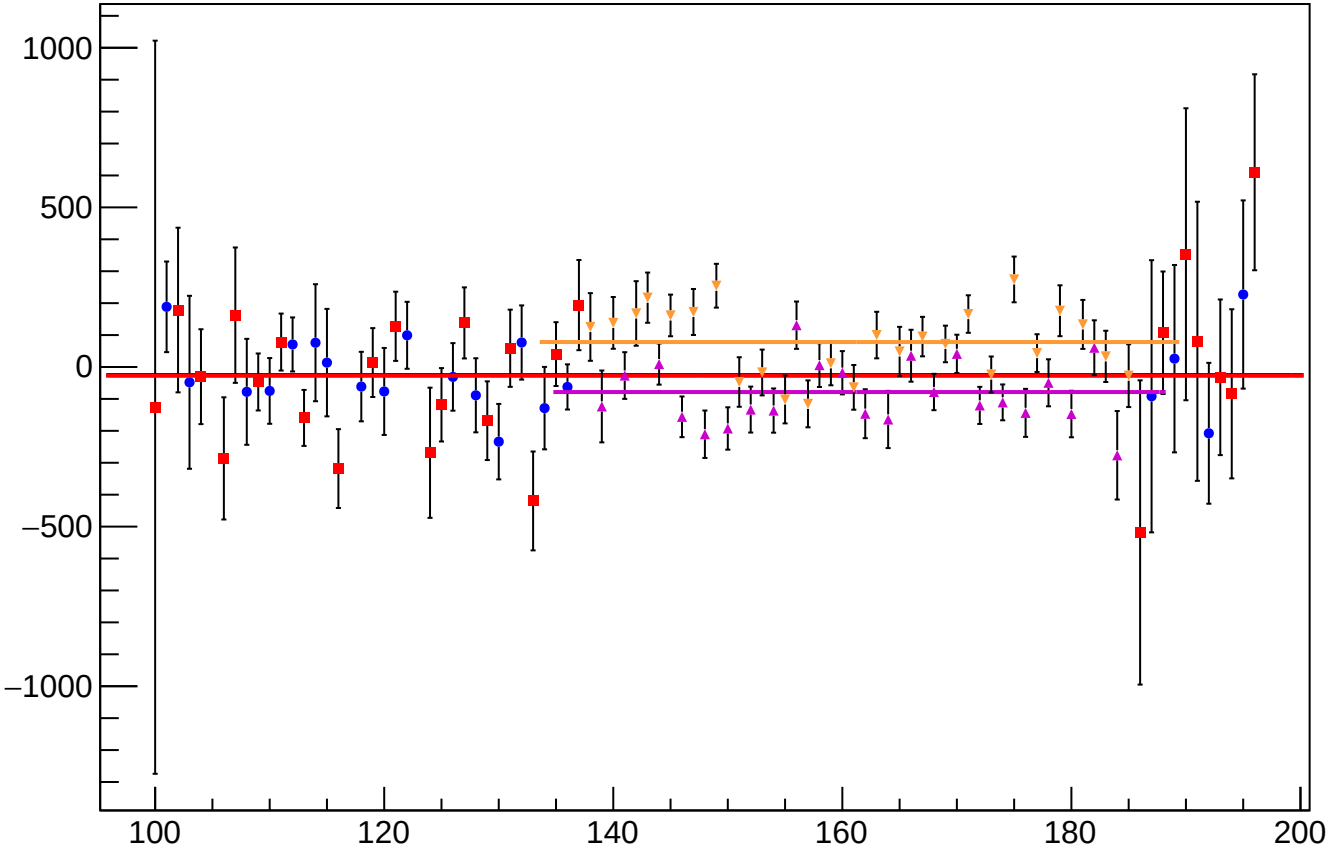
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930321.9/44

All: 606.806+/-0.061 χ^2/NDF: 17864601.6/93

- sign 611.282+/-0.086 χ^2/NDF: 9928987.5/48

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -25.157+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.477+/-27.544 χ^2/NDF: 36.8/25

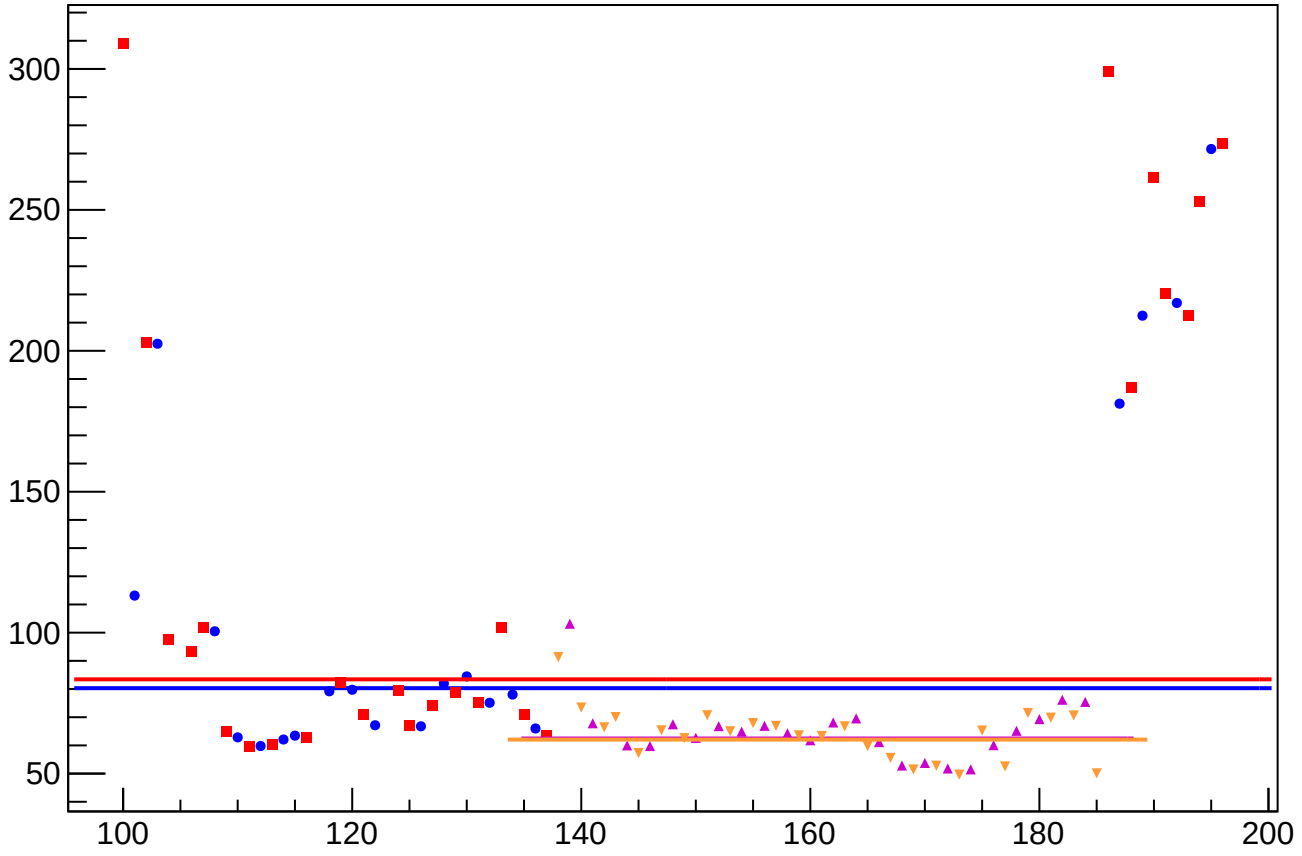
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.131+/-12.785 χ^2/NDF: 77.0/44

All: -3.714+/-9.131 χ^2/NDF: 199.3/93

- sign -67.060+/-13.045 χ^2/NDF: 76.1/48

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 80.302+/-0.020 χ^2/NDF: 3038891.4/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

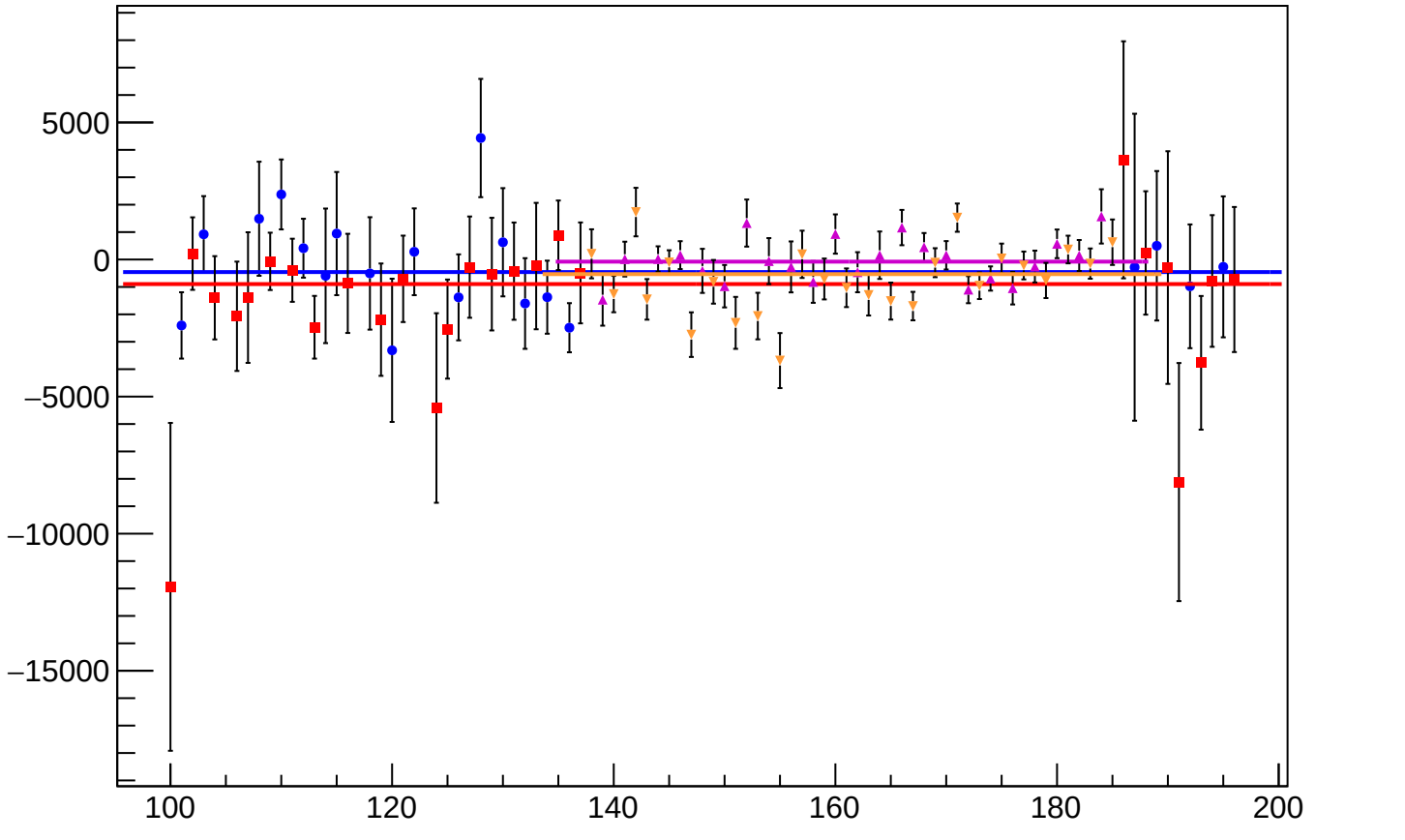
Right Out: 83.439+/-0.019 χ^2/NDF: 4798066.7/25

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385409.3/44

All: 66.451+/-0.006 χ^2/NDF: 10760801.6/93

- sign 67.154+/-0.009 χ^2/NDF: 6363998.1/48



Right In: -457.867+/-362.168 χ^2/NDF: 23.9/19

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

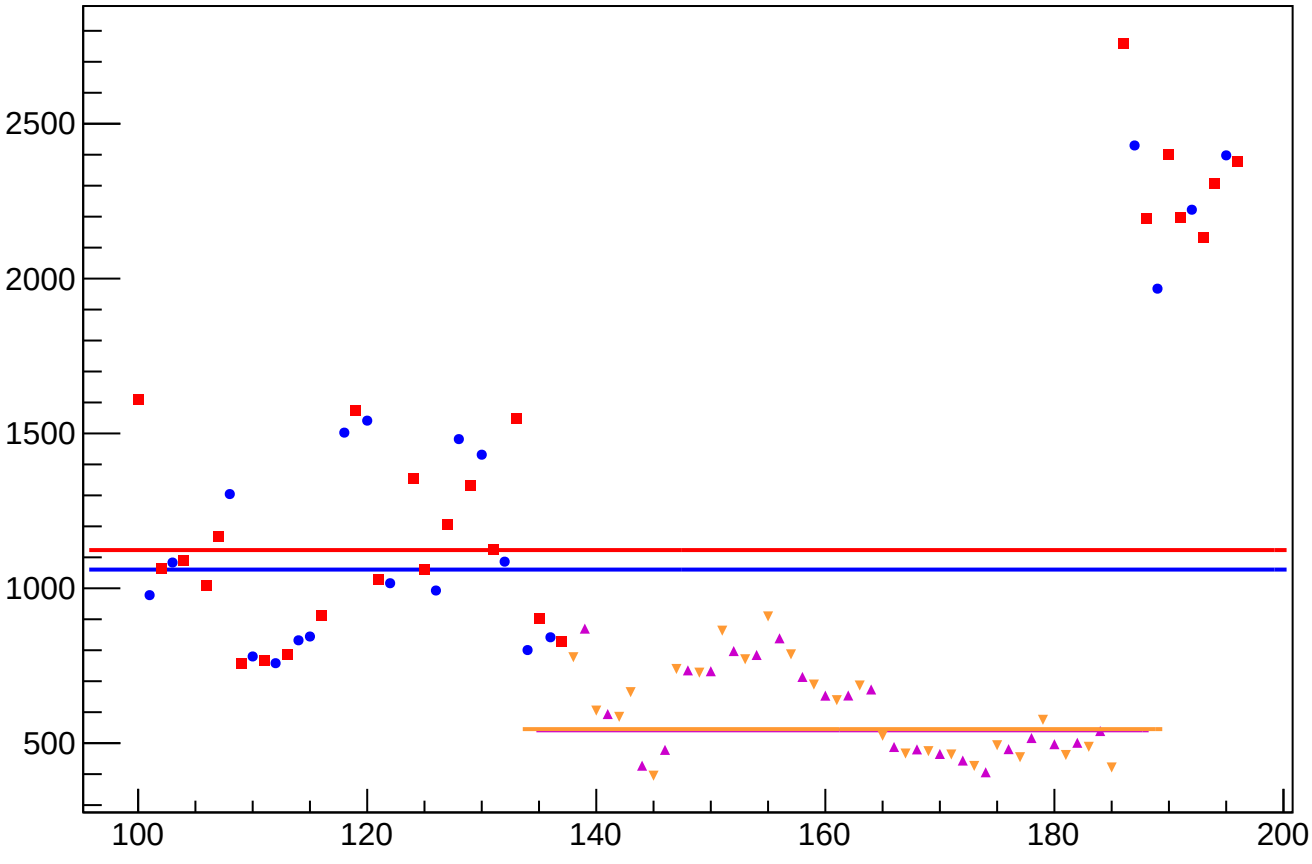
Right Out: -895.693+/-352.933 χ^2/NDF: 18.1/25

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -524.467+/-120.623 χ^2/NDF: 93.0/44

All: -352.357+/-85.863 χ^2/NDF: 148.4/93

- sign -175.572+/-122.250 χ^2/NDF: 51.2/48



Right In: 1060.448+/-0.256 χ^2/NDF: 2249101.4/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1123.421+/-0.250 χ^2/NDF: 3303140.0/25

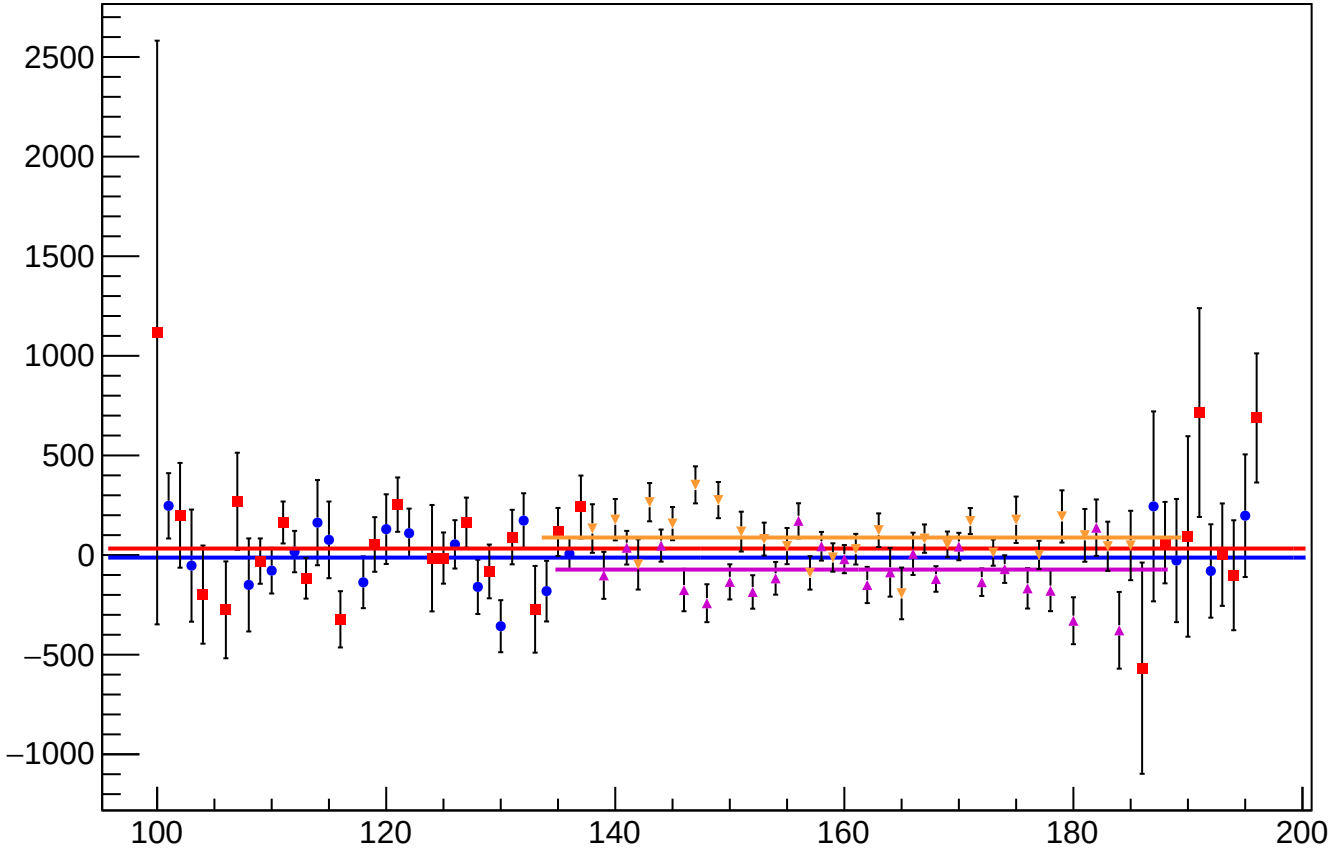
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930321.9/44

All: 606.806+/-0.061 χ^2/NDF: 17864601.6/93

- sign 611.282+/-0.086 χ^2/NDF: 9928987.5/48

dit_asym_sam_37_avg_mean vs Slug



Right In: -12.703+/-32.951 χ^2/NDF: 19.1/19

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.822+/-32.717 χ^2/NDF: 31.0/25

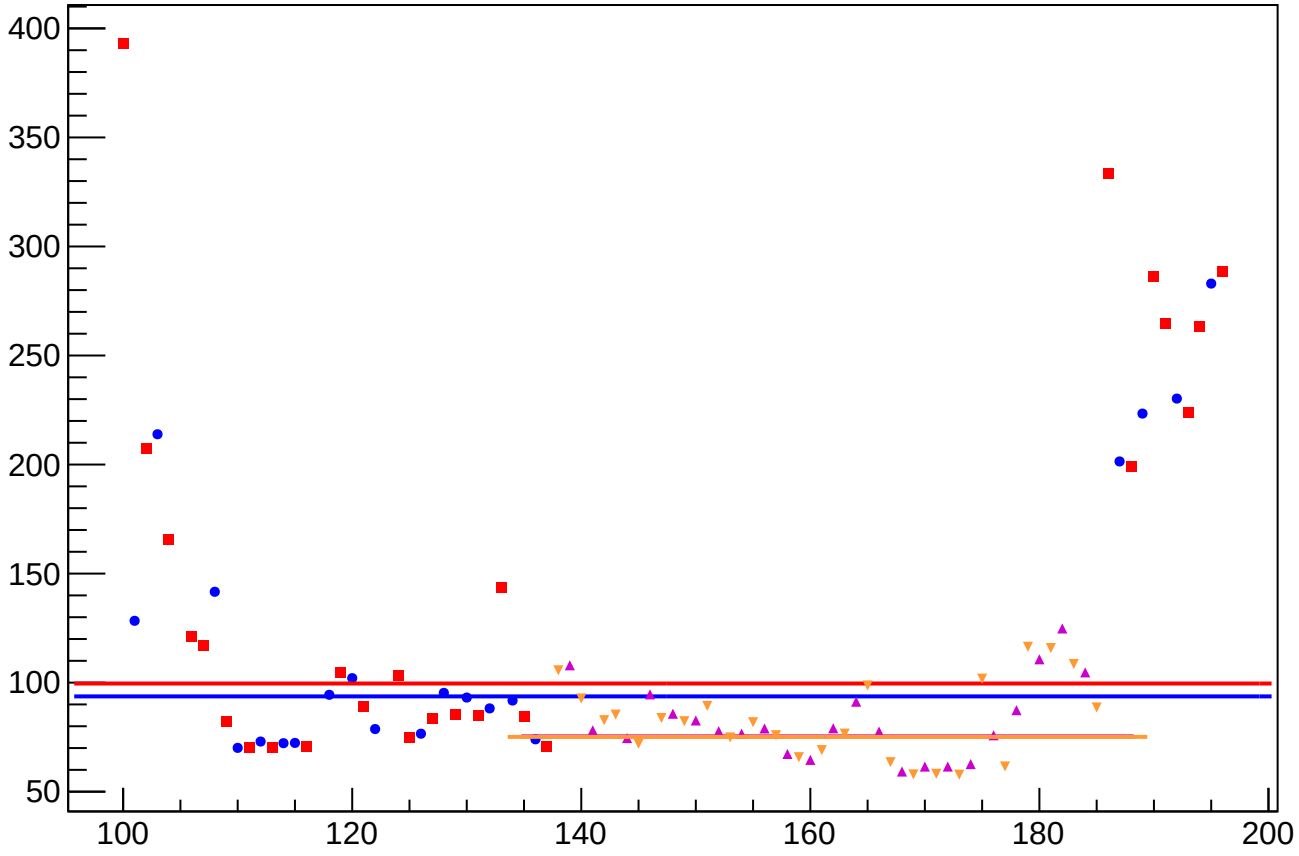
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.393+/-15.623 χ^2/NDF: 63.3/44

All: 10.026+/-11.163 χ^2/NDF: 166.3/93

- sign -47.718+/-15.955 χ^2/NDF: 77.4/48

dit_asym_sam_37_avg_rms vs Slug



Right In: 93.688+/-0.023 χ^2/NDF: 2836964.6/19

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 99.597+/-0.023 χ^2/NDF: 4562440.0/25

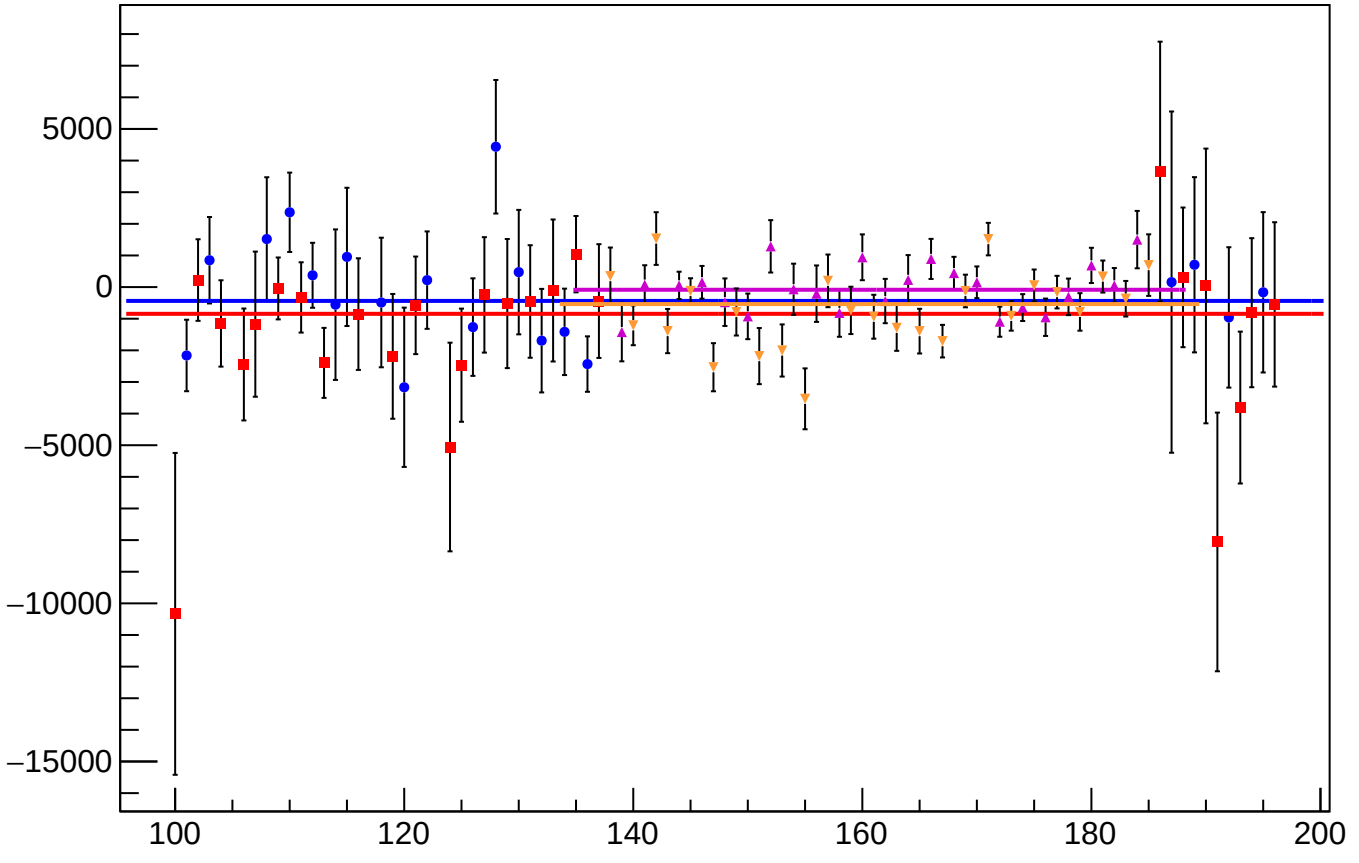
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 79.300+/-0.011 χ^2/NDF: 4930271.8/44

All: 80.194+/-0.008 χ^2/NDF: 11567746.3/93

- sign 81.126+/-0.011 χ^2/NDF: 6624097.4/48

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -437.232+/-353.451 χ^2/NDF: 24.0/19

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -845.440+/-339.283 χ^2/NDF: 19.8/25

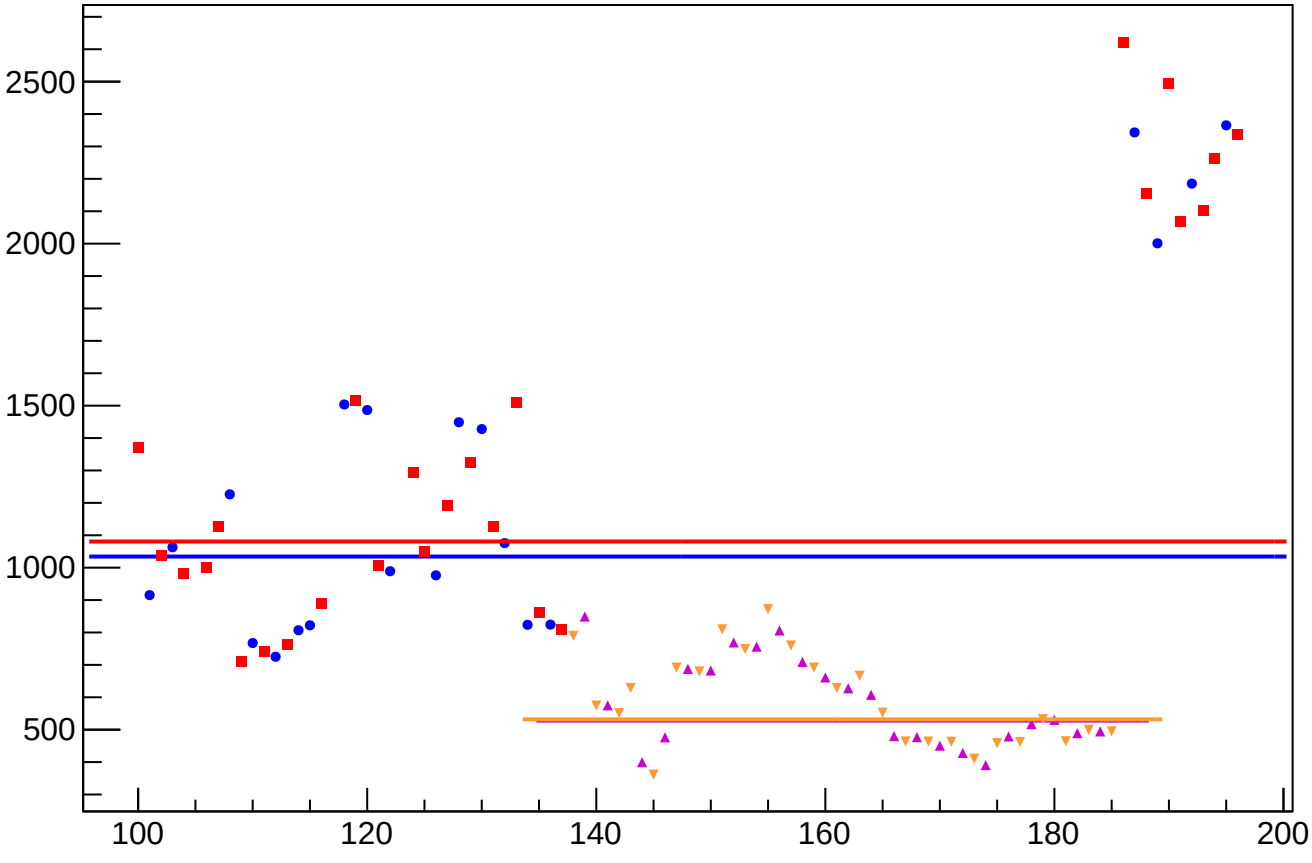
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -525.805+/-117.404 χ^2/NDF: 91.1/44

All: -354.316+/-83.566 χ^2/NDF: 147.1/93

\- sign -178.214+/-118.973 χ^2/NDF: 51.7/48

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1034.322+/-0.250 χ^2/NDF: 2296884.1/19

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1080.729+/-0.240 χ^2/NDF: 3434619.3/25

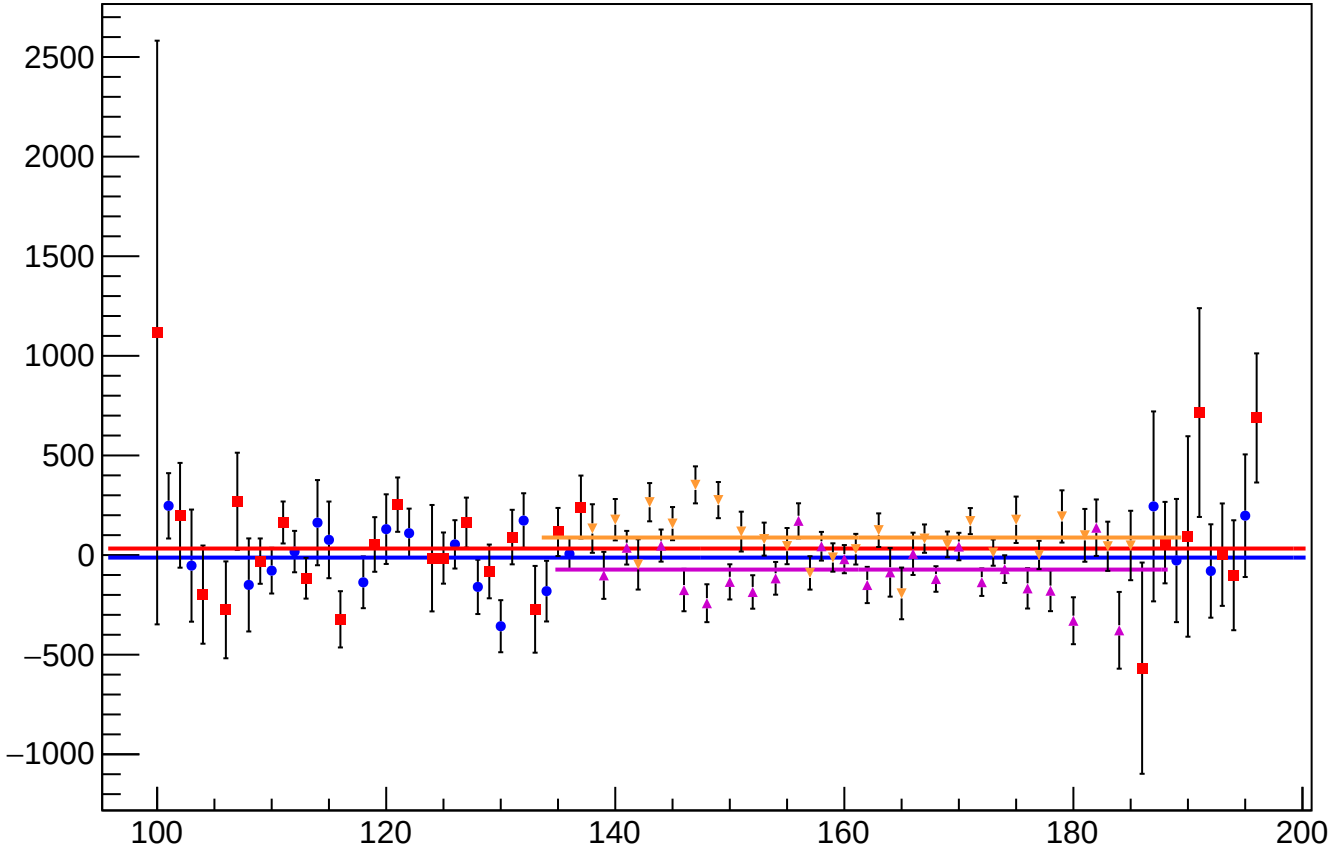
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

\+ sign 587.309+/-0.083 χ^2/NDF: 7930336.0/44

All: 591.573+/-0.059 χ^2/NDF: 17826309.8/93

\- sign 595.952+/-0.084 χ^2/NDF: 9890626.4/48

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -12.703+/-32.952 χ^2/NDF: 19.1/19

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.824+/-32.717 χ^2/NDF: 31.0/25

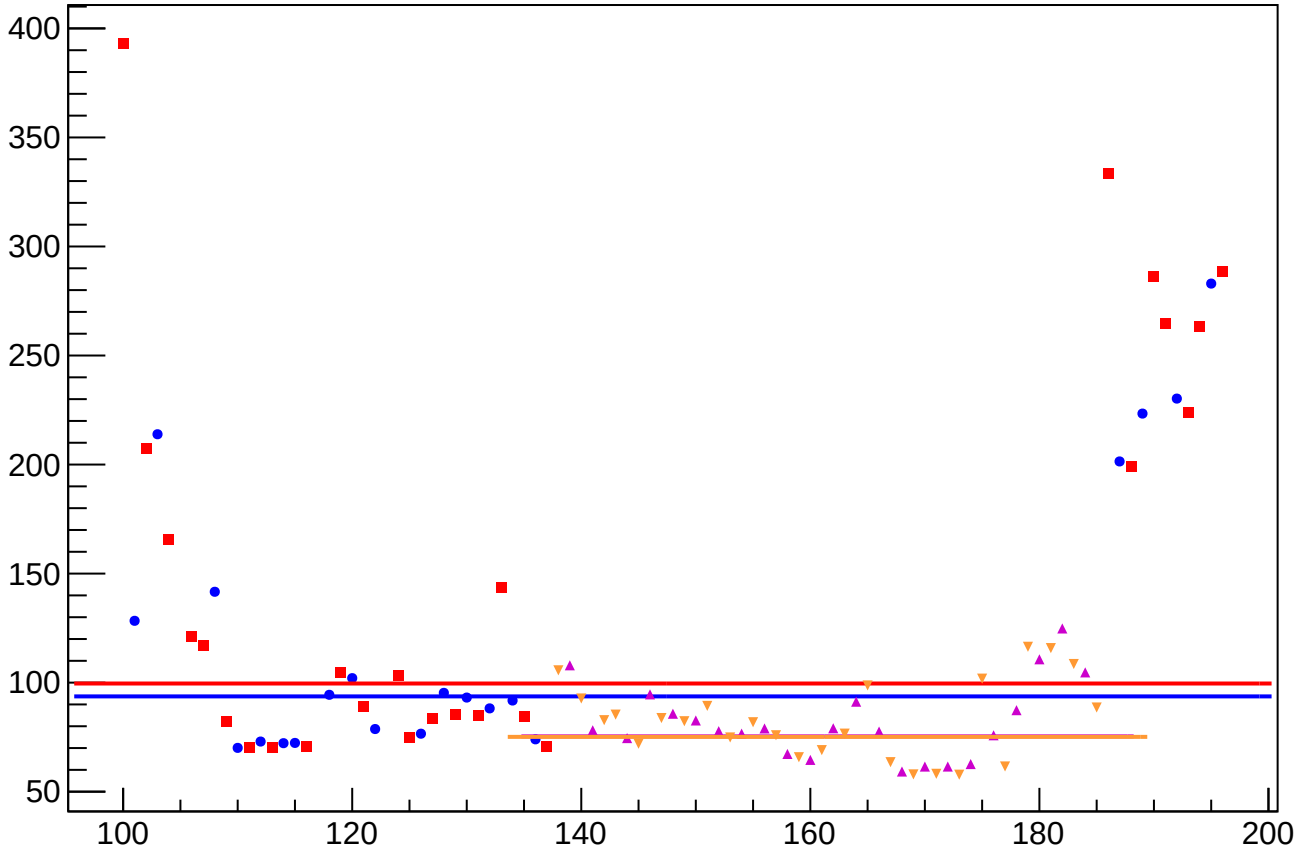
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.393+/-15.623 χ^2/NDF: 63.3/44

All: 10.027+/-11.163 χ^2/NDF: 166.3/93

- sign -47.717+/-15.955 χ^2/NDF: 77.4/48

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 93.688+/-0.023 χ^2/NDF: 2836949.9/19

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

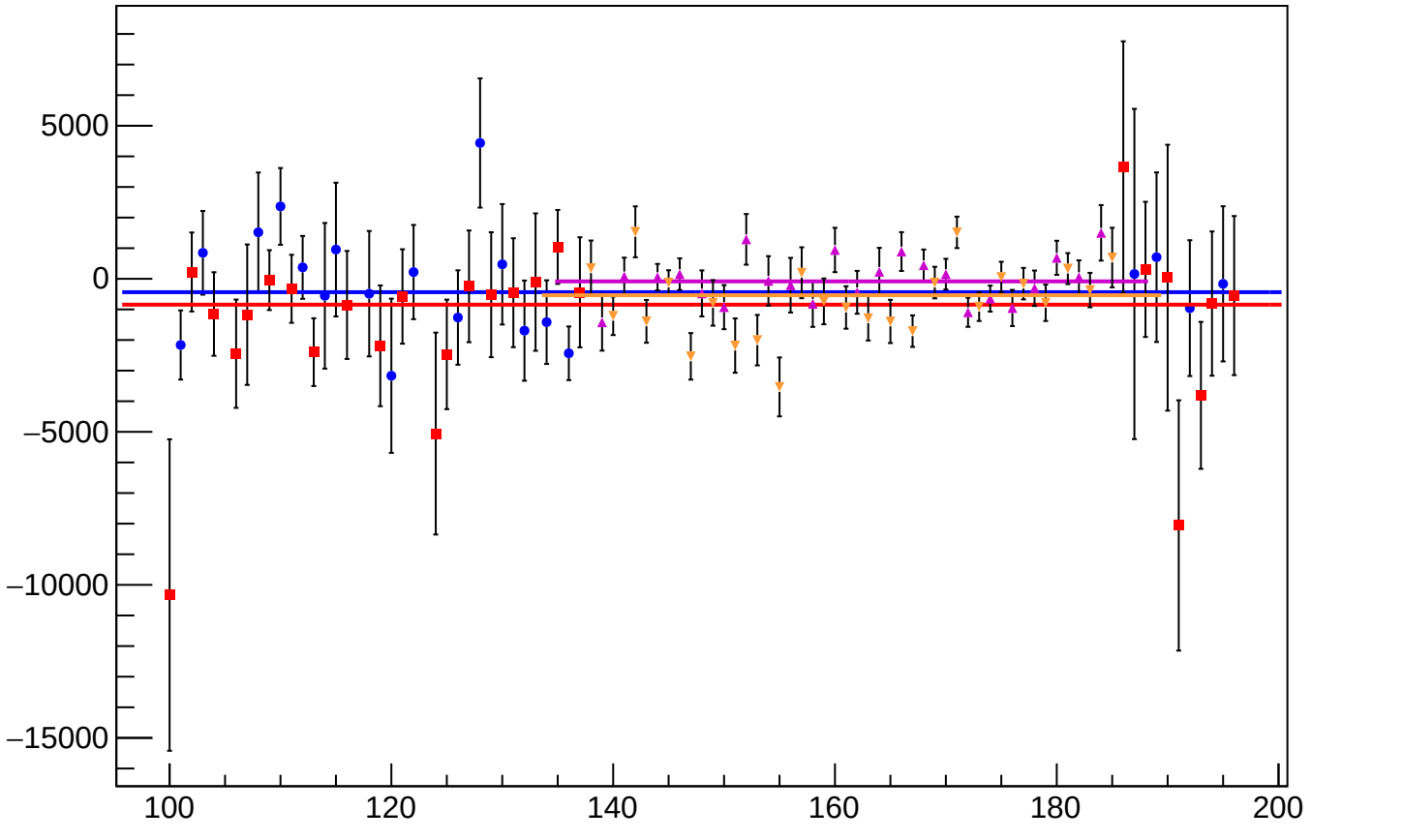
Right Out: 99.597+/-0.023 χ^2/NDF: 4562422.9/25

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 79.300+/-0.011 χ^2/NDF: 4930262.3/44

All: 80.194+/-0.008 χ^2/NDF: 11567734.5/93

- sign 81.127+/-0.011 χ^2/NDF: 6624095.1/48



Right In: -437.230+/-353.451 χ^2/NDF: 24.0/19

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

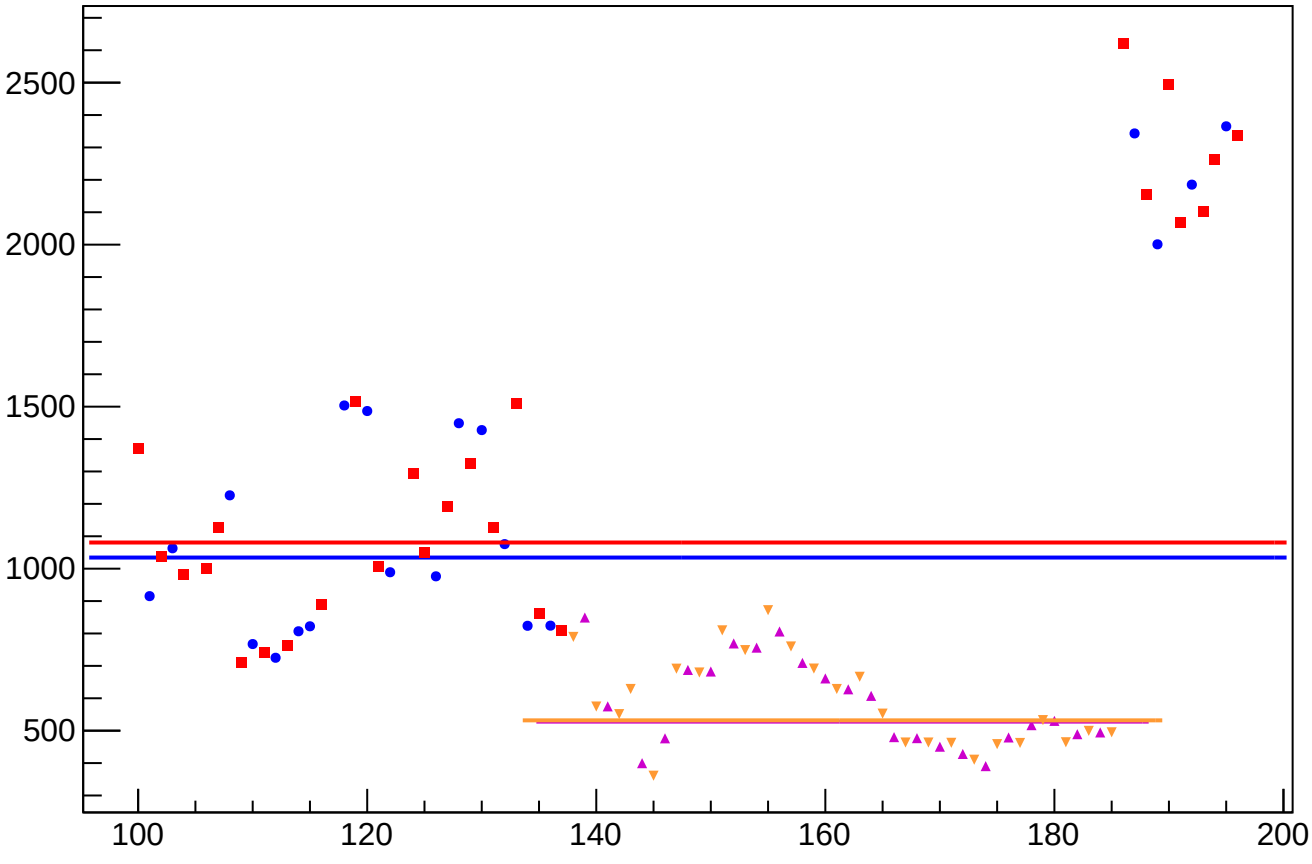
Right Out: -845.439+/-339.282 χ^2/NDF: 19.8/25

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -525.805+/-117.404 χ^2/NDF: 91.1/44

All: -354.316+/-83.566 χ^2/NDF: 147.1/93

\- sign -178.214+/-118.973 χ^2/NDF: 51.7/48



Right In: 1034.320+/-0.250 χ^2/NDF: 2296889.0/19

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1080.727+/-0.240 χ^2/NDF: 3434623.1/25

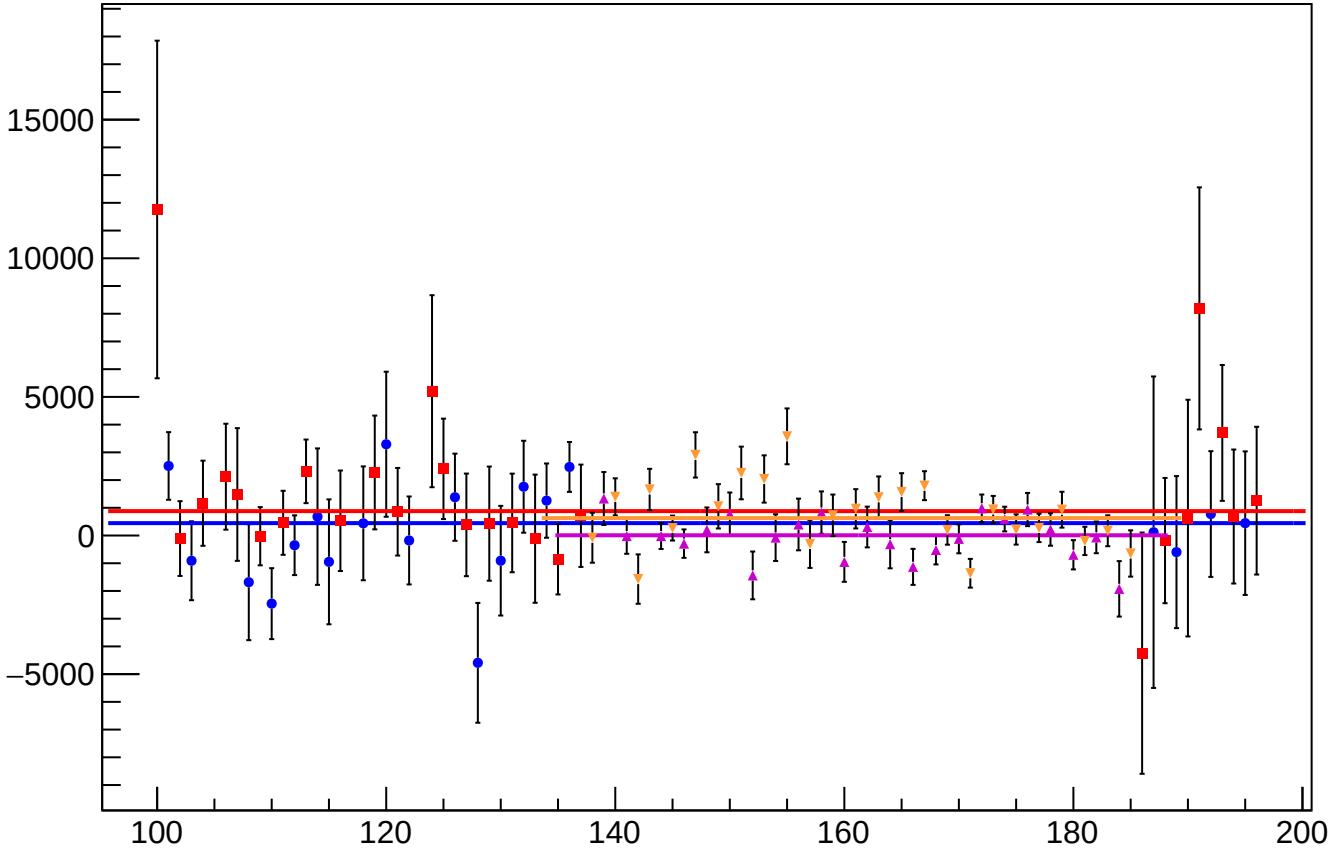
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 587.309+/-0.083 χ^2/NDF: 7930323.5/44

All: 591.573+/-0.059 χ^2/NDF: 17826279.7/93

- sign 595.952+/-0.084 χ^2/NDF: 9890608.6/48

asym_sam_37_avg_mean vs Slug



Right In: 446.964+/-363.966 χ^2/NDF: 24.7/19

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 879.871+/-354.118 χ^2/NDF: 17.5/25

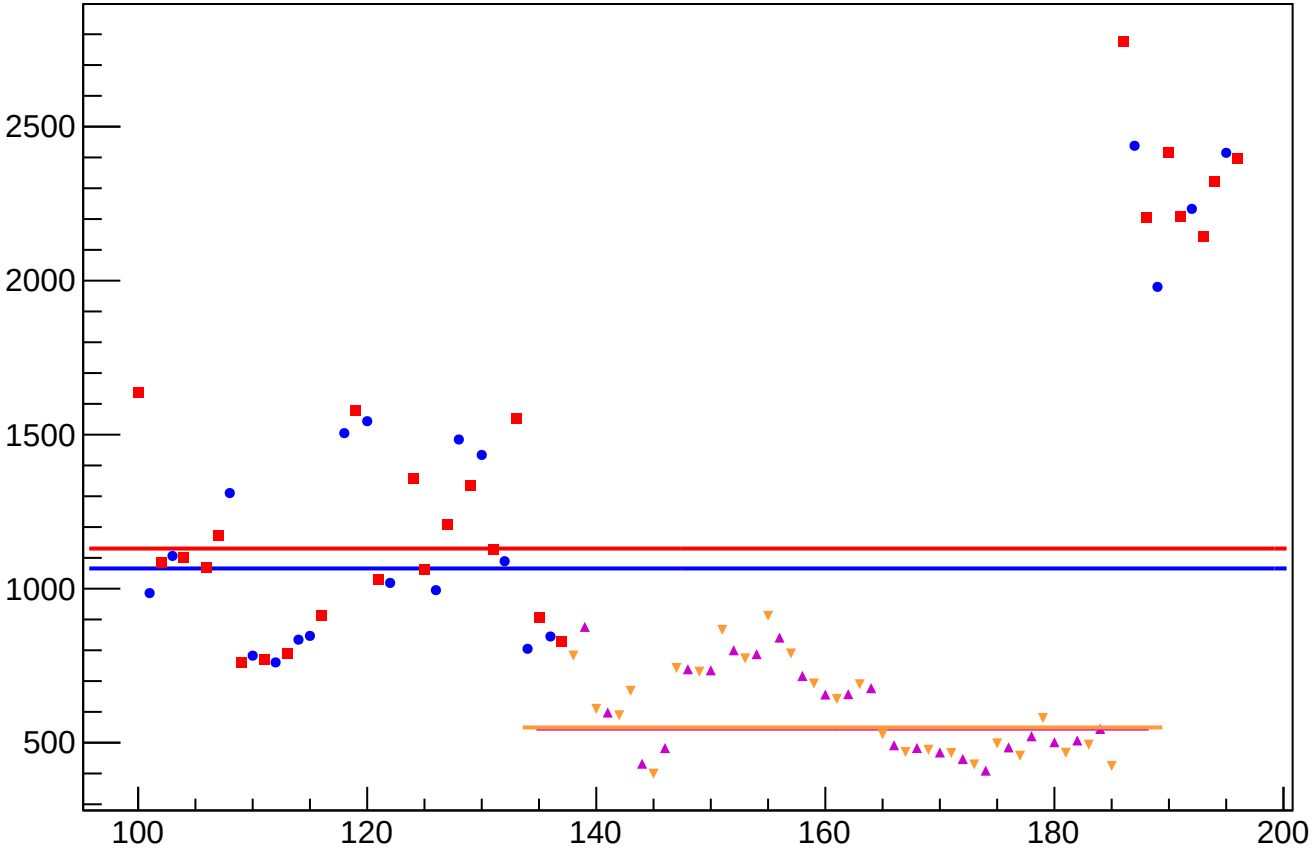
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 609.062+/-121.466 χ^2/NDF: 89.8/44

All: 364.725+/-86.462 χ^2/NDF: 148.2/93

- sign 113.766+/-123.101 χ^2/NDF: 50.1/48

asym_sam_37_avg_rms vs Slug



Right In: 1065.614+/-0.257 χ^2/NDF: 2252353.3/19

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

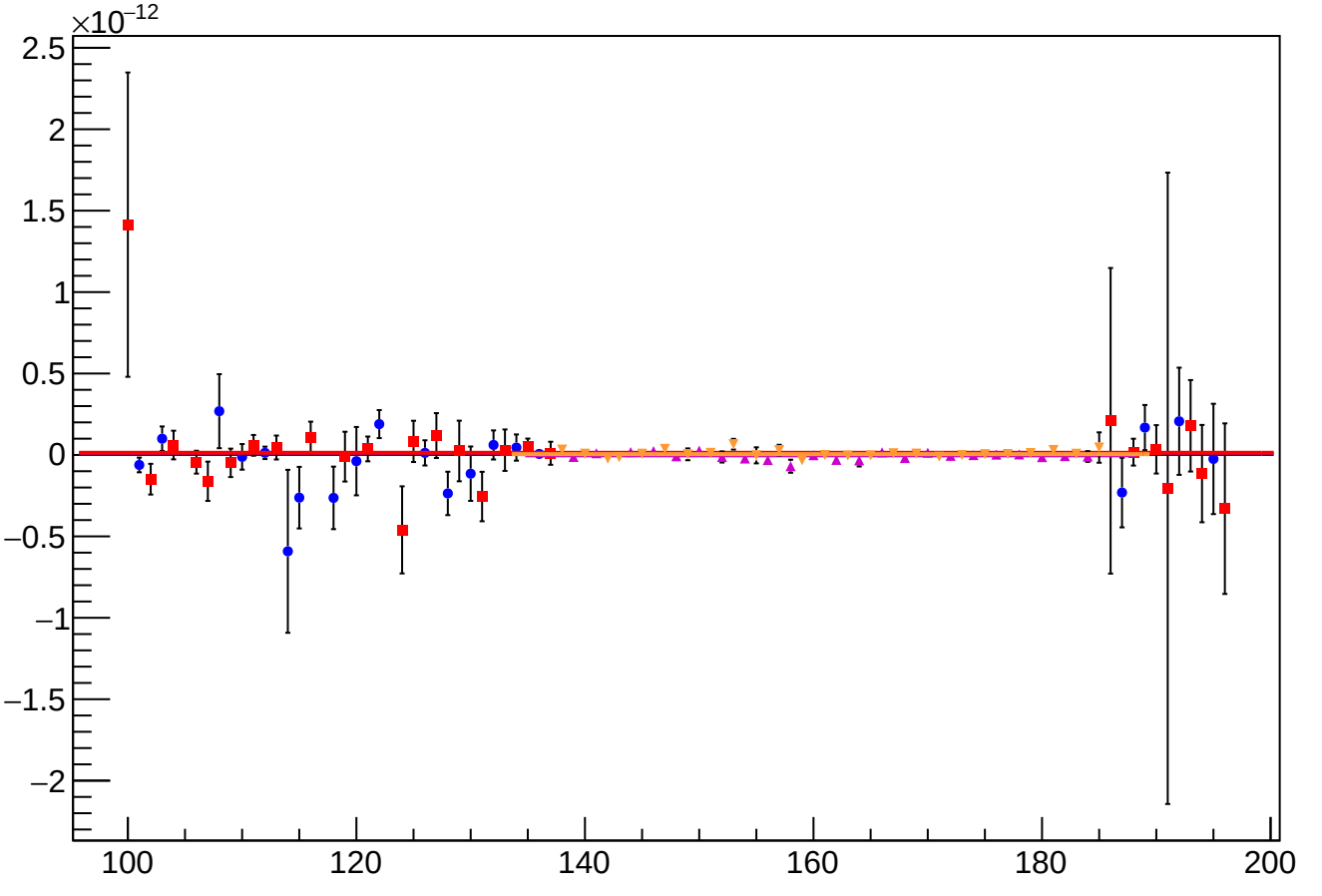
Right Out: 1130.287+/-0.250 χ^2/NDF: 3306529.4/25

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 606.960+/-0.086 χ^2/NDF: 7880319.1/44

All: 611.593+/-0.061 χ^2/NDF: 17798916.1/93

- sign 616.351+/-0.087 χ^2/NDF: 9912698.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

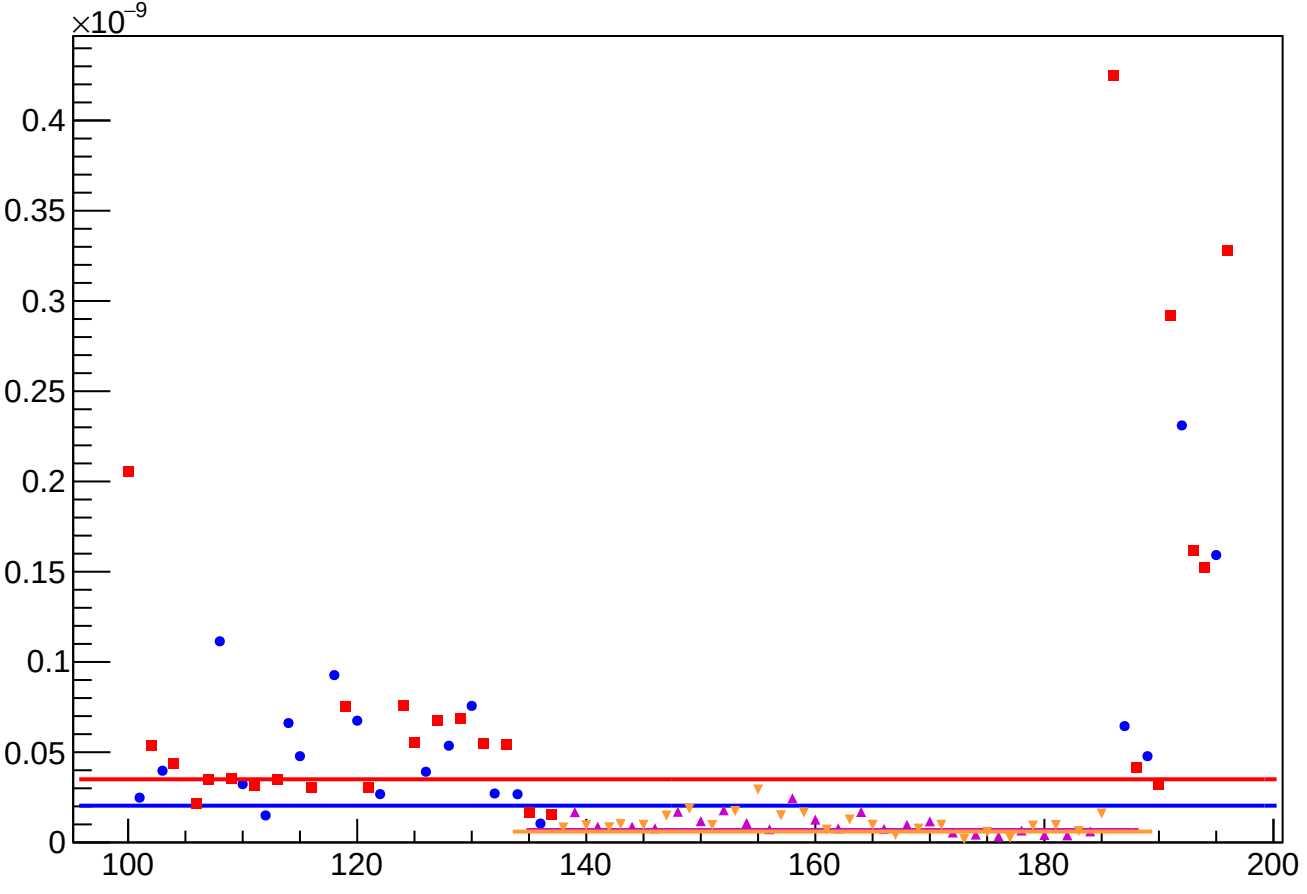
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/44

All: 0.000+/-0.000 χ^2/NDF: 80.8/93

- sign -0.000+/-0.000 χ^2/NDF: 40.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3309439.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2941201.0/25

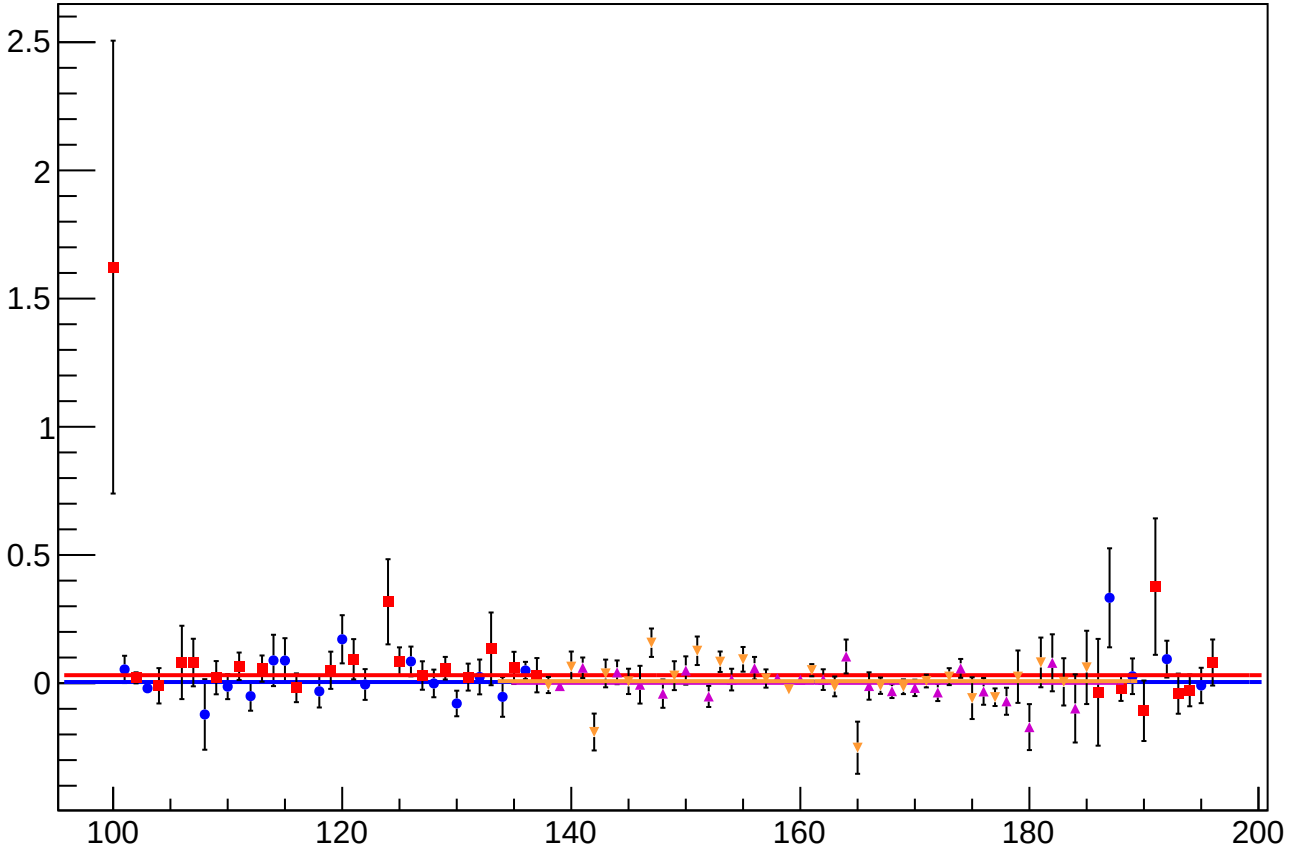
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8854901.4/44

All: 0.000+/-0.000 χ^2/NDF: 18229462.4/93

- sign 0.000+/-0.000 χ^2/NDF: 9278110.7/48

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

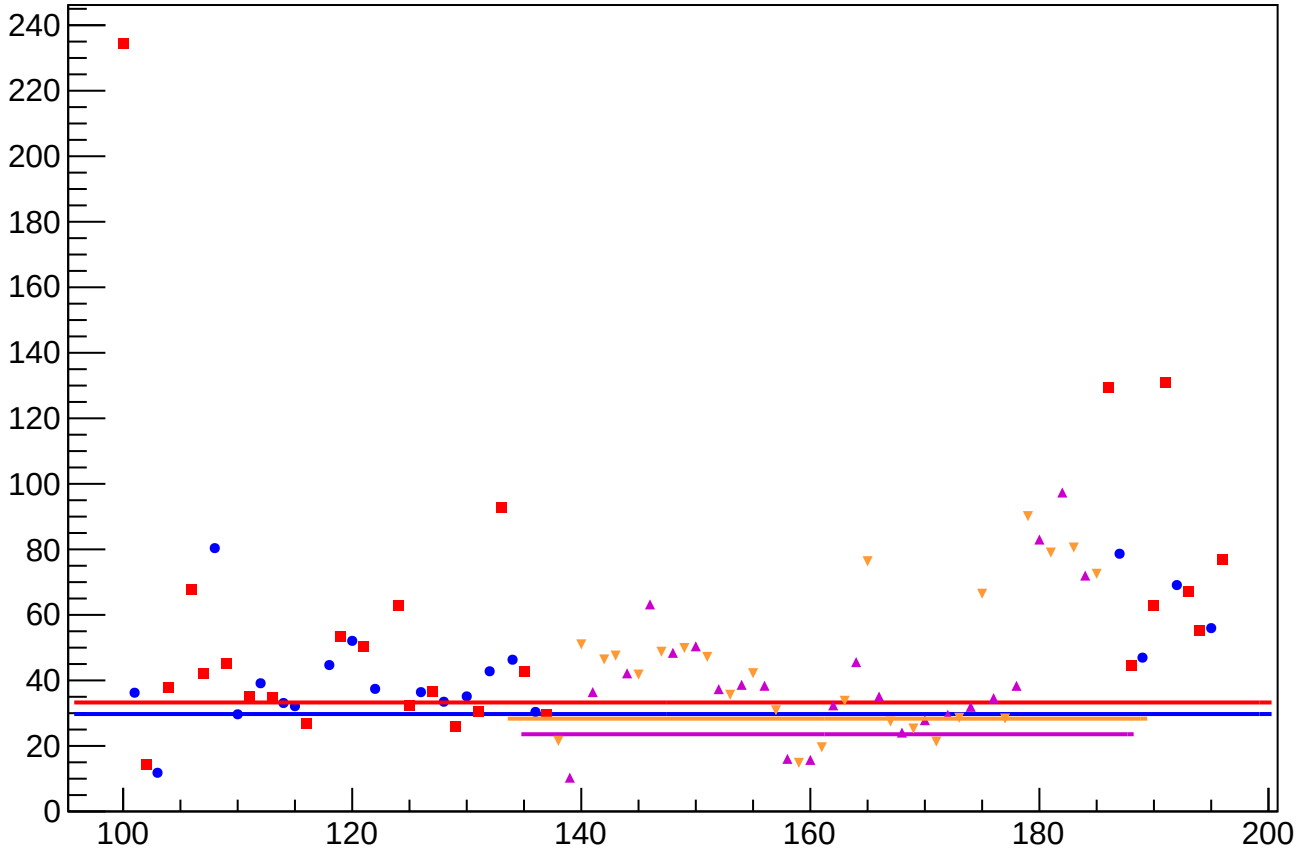
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 116.6/93

- sign 0.009+/-0.006 χ^2/NDF: 47.7/48

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.737+/-0.008 χ^2/NDF: 3650460.4/19

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

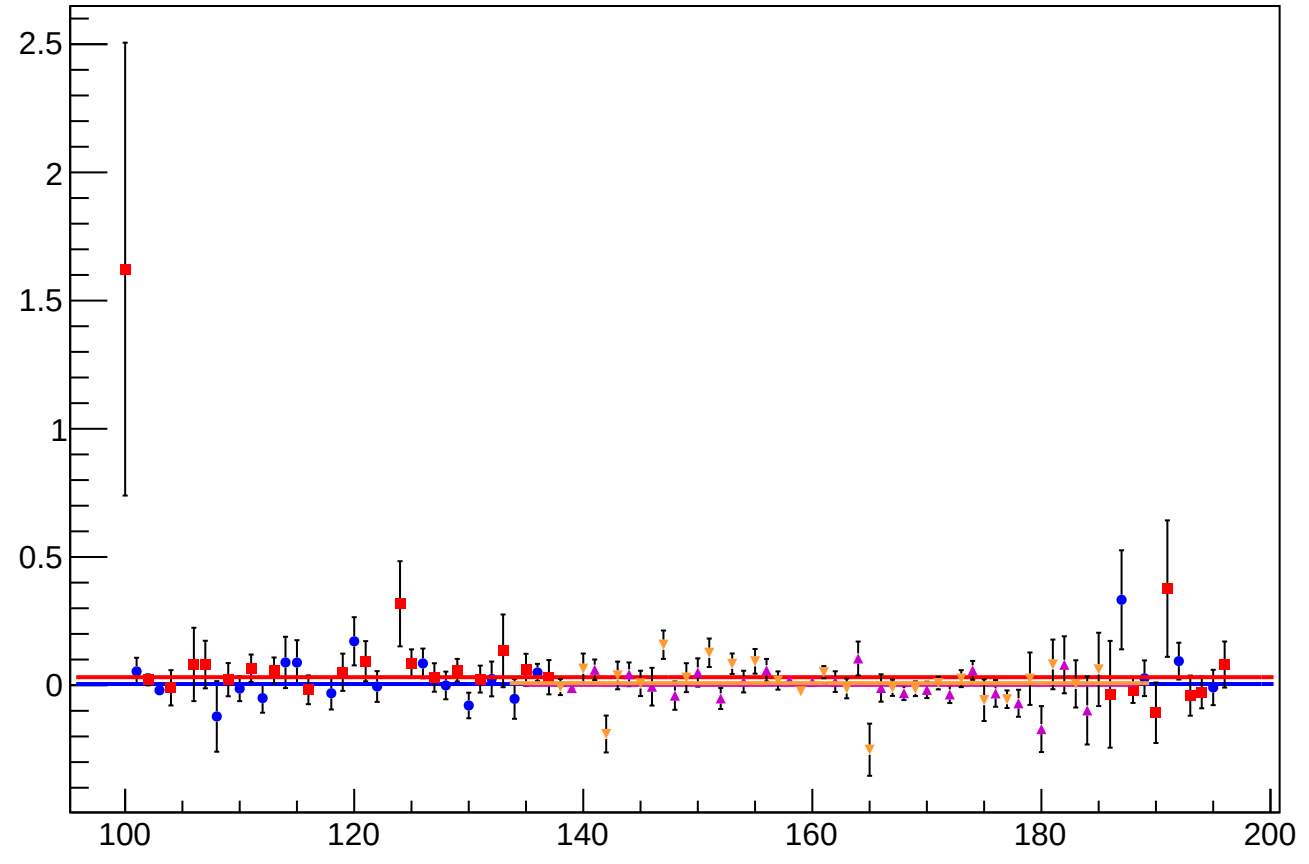
Right Out: 33.268+/-0.008 χ^2/NDF: 4706687.8/25

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.751+/-0.004 χ^2/NDF: 10459769.4/44

All: 27.289+/-0.003 χ^2/NDF: 24656614.4/93

- sign 26.027+/-0.004 χ^2/NDF: 13997959.4/48



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

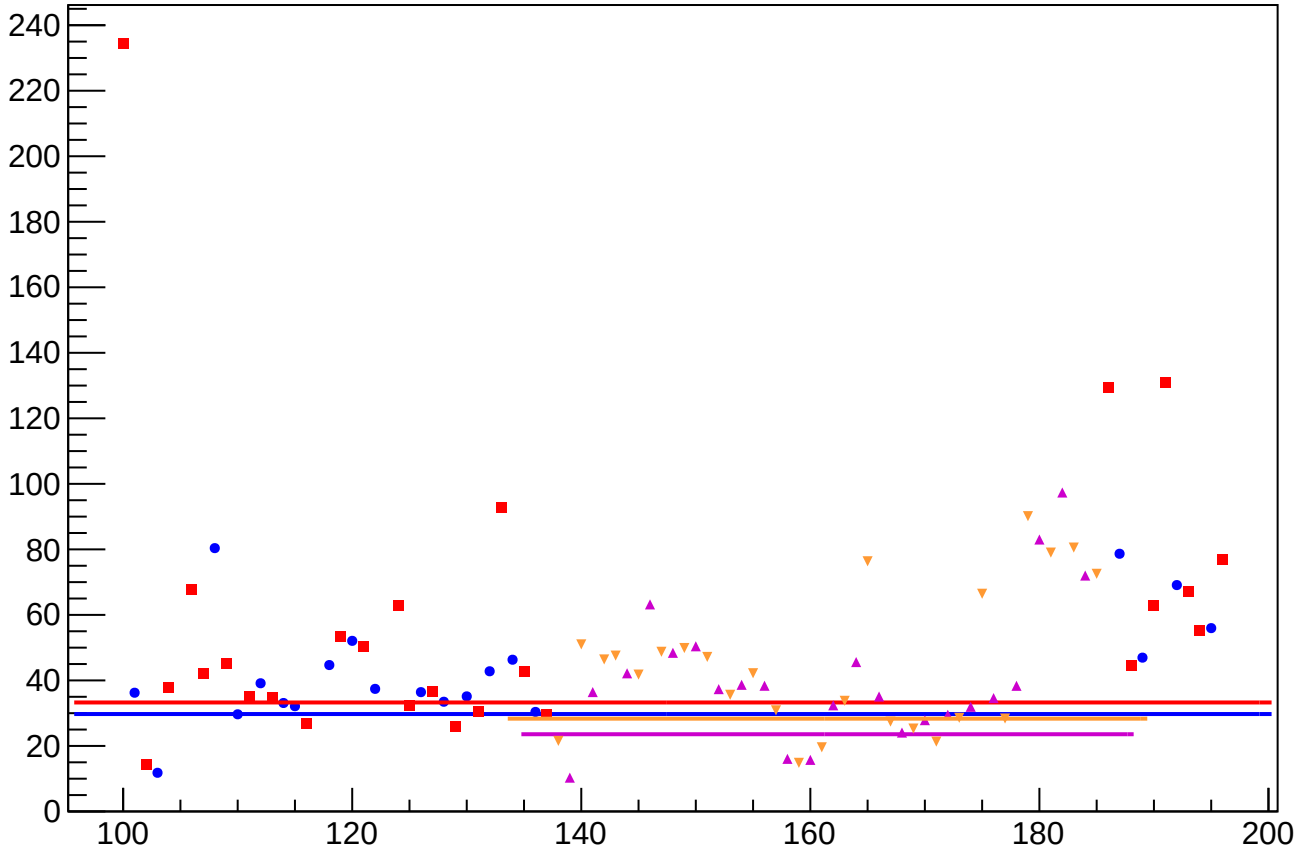
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 116.6/93

- 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: 29.737+/-0.008 χ^2/NDF: 3650460.4/19

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

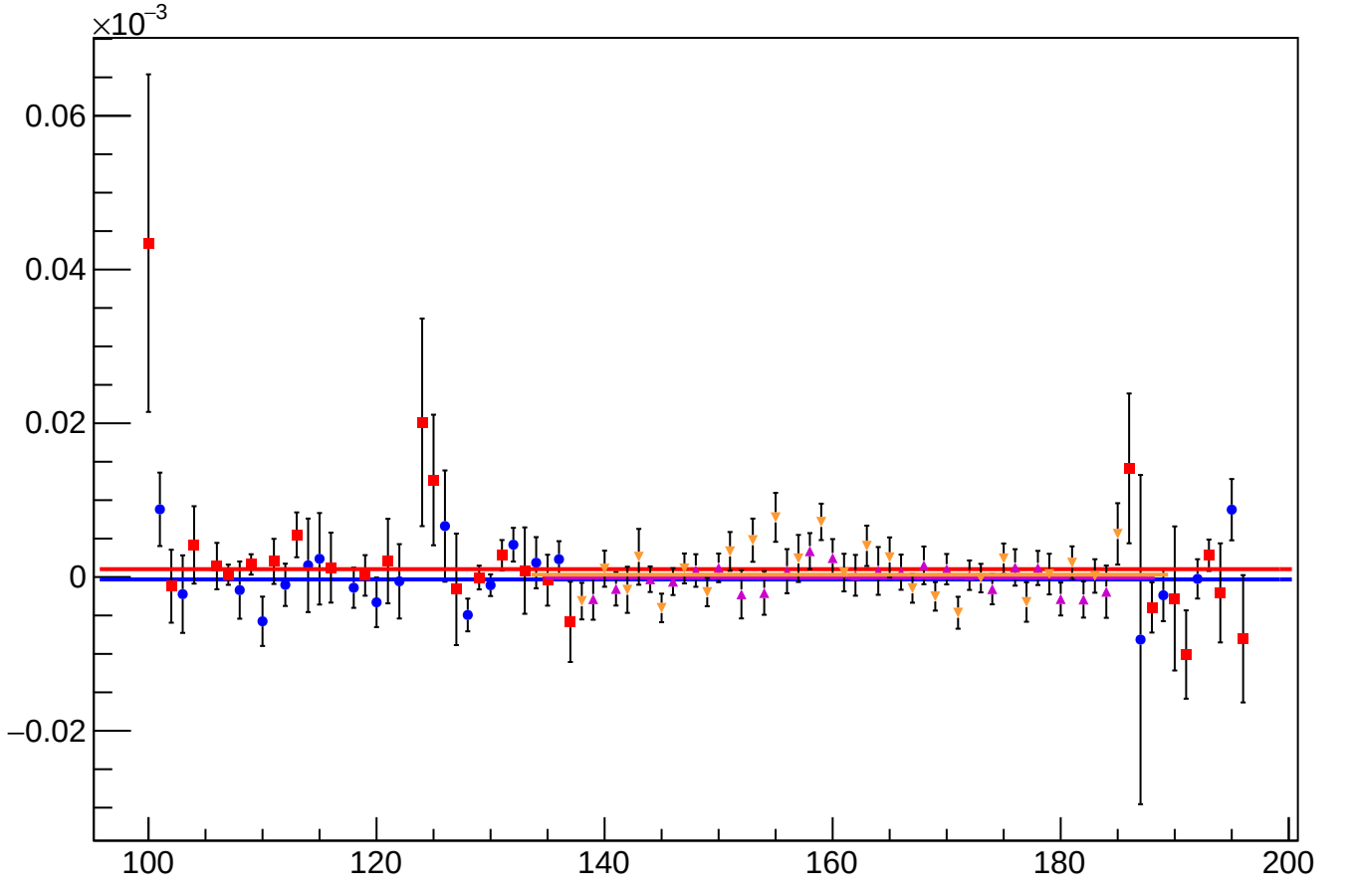
Right Out: 33.268+/-0.008 χ^2/NDF: 4706687.8/25

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.751+/-0.004 χ^2/NDF: 10459769.4/44

All: 27.289+/-0.003 χ^2/NDF: 24656614.4/93

- sign 26.027+/-0.004 χ^2/NDF: 13997959.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

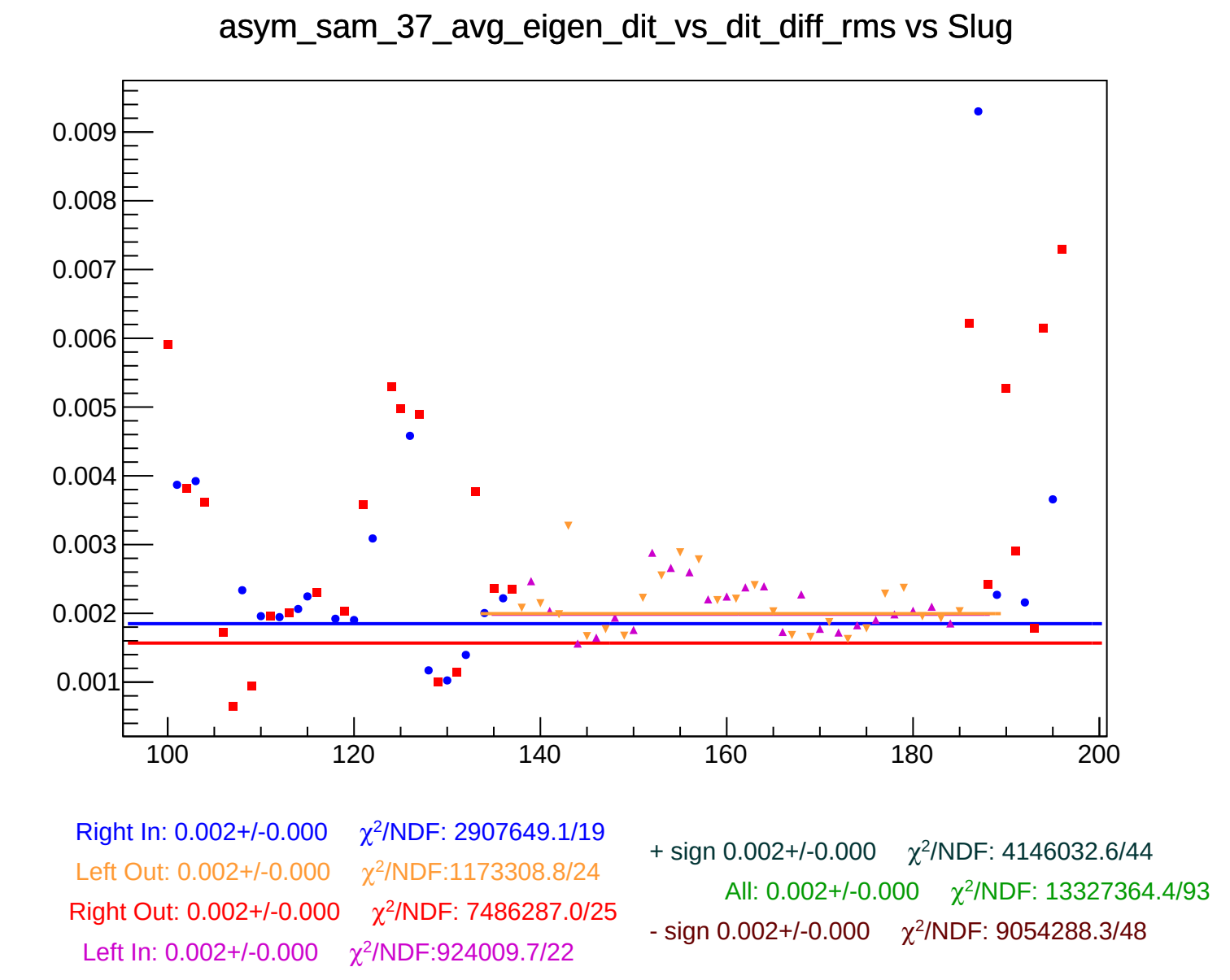
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/25

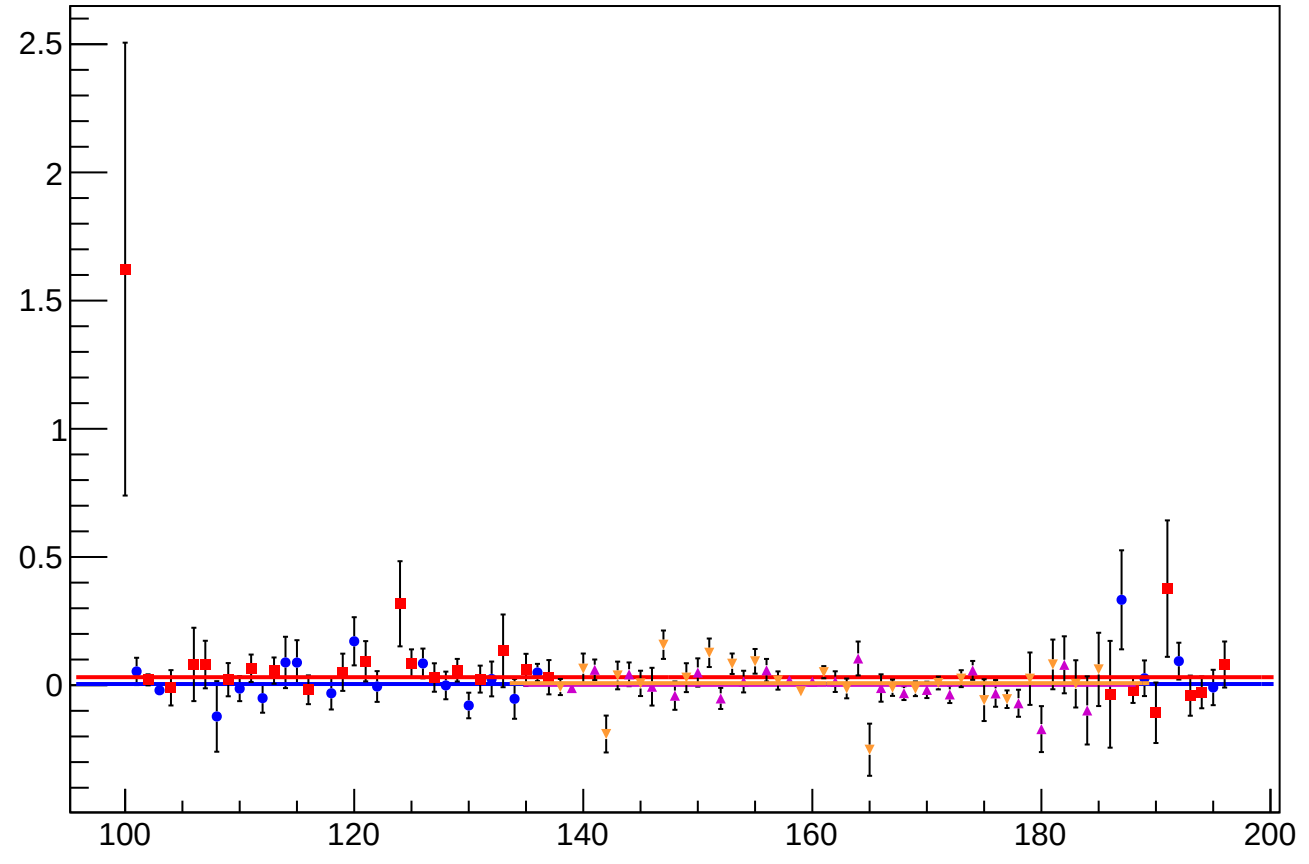
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.0/44

All: 0.000+/-0.000 χ^2/NDF: 111.5/93

- 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: 2907649.1/19
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: 4146032.6/44
All: 0.002+/-0.000 χ²/NDF: 13327364.4/93
- sign 0.002+/-0.000 χ²/NDF: 9054288.3/48



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

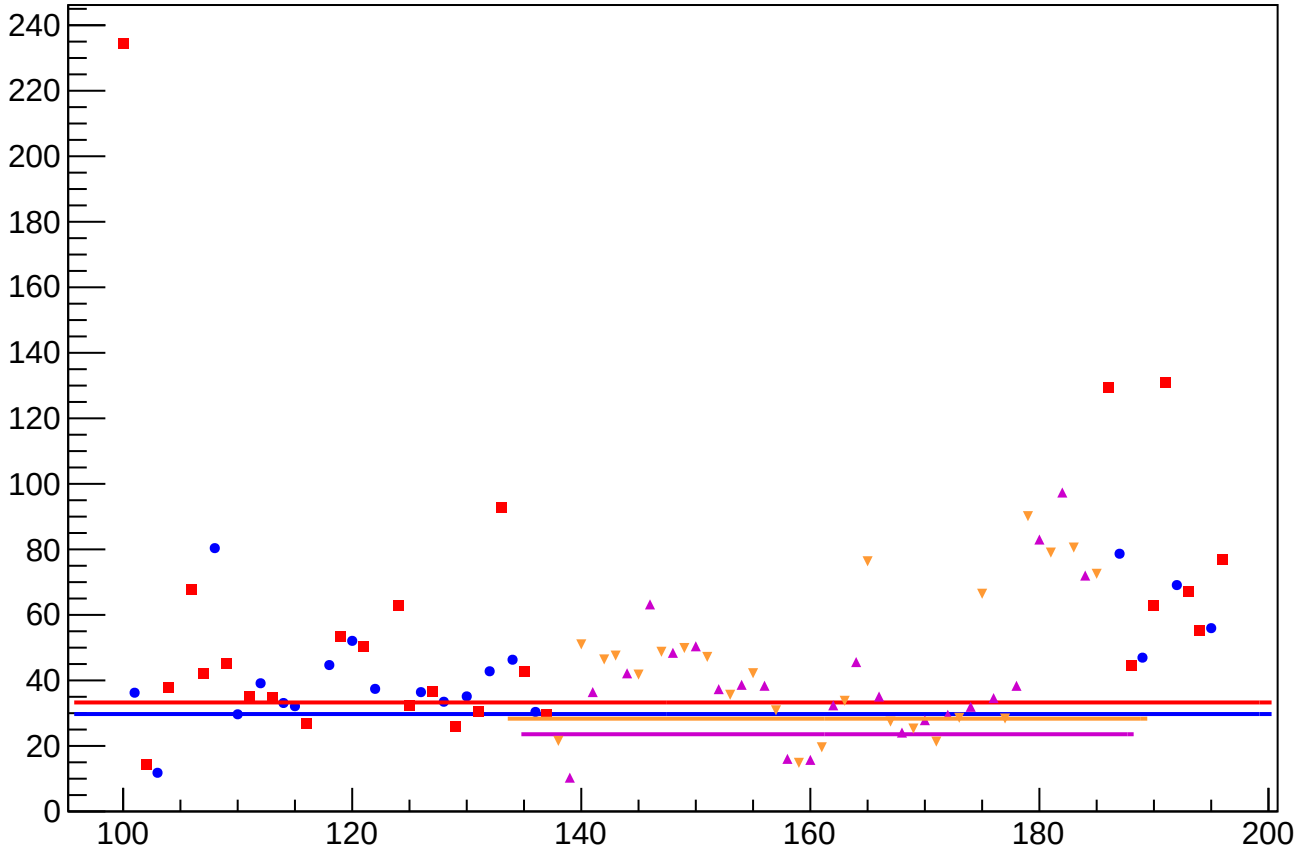
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 116.6/93

- 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: 29.736+/-0.008 χ^2/NDF: 3650737.7/19

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

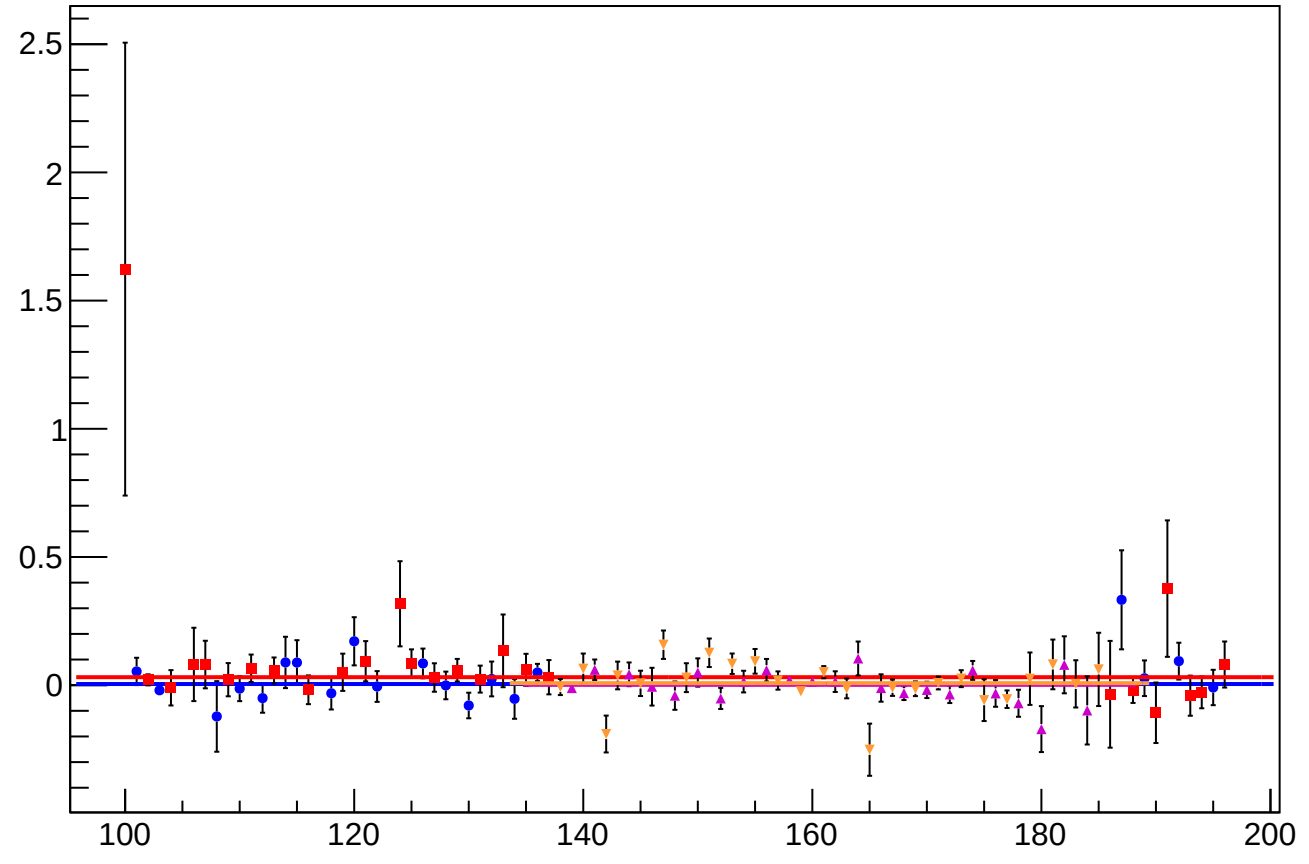
Right Out: 33.271+/-0.008 χ^2/NDF: 4705746.0/25

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.751+/-0.004 χ^2/NDF: 10460492.8/44

All: 27.289+/-0.003 χ^2/NDF: 24658208.0/93

- sign 26.026+/-0.004 χ^2/NDF: 13998834.2/48



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

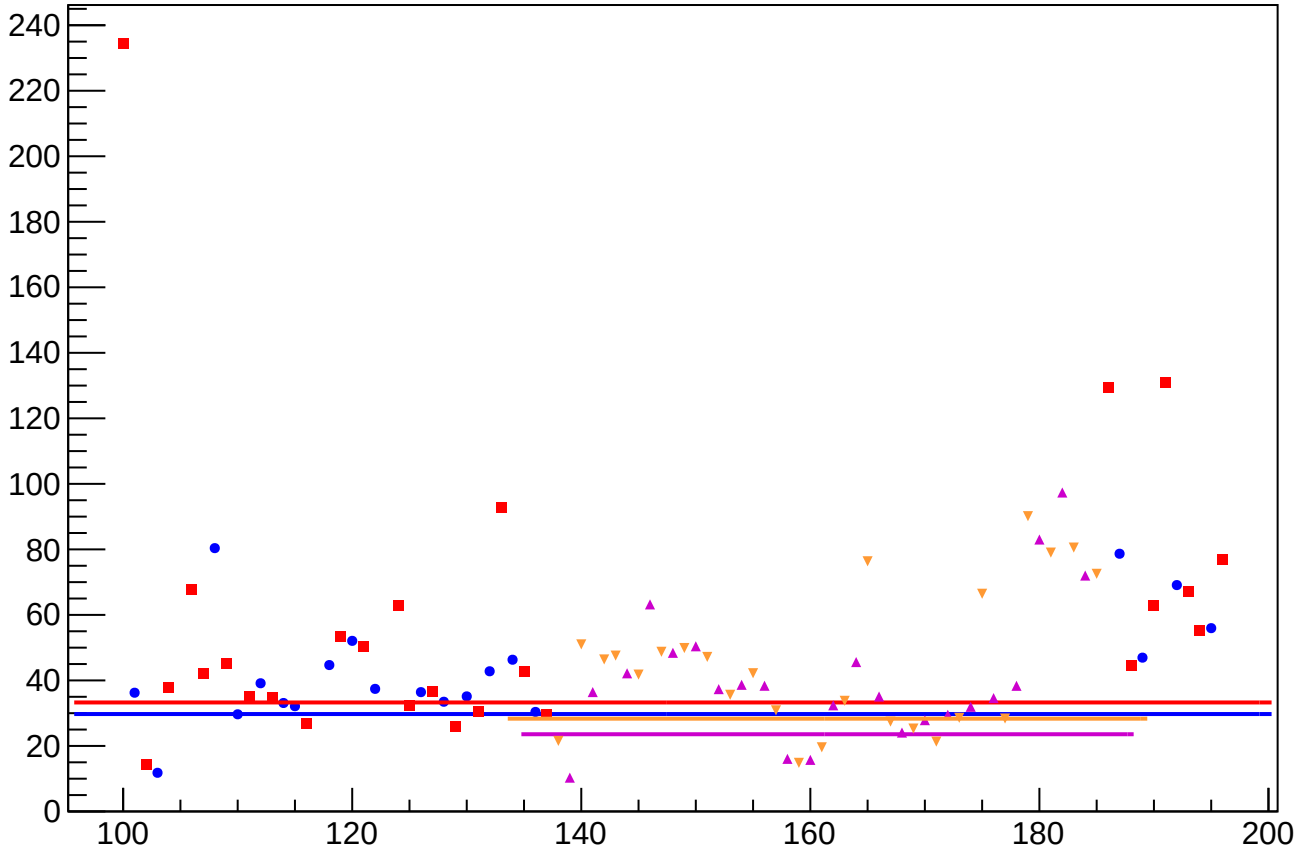
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

\+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 116.6/93

\- 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: 29.736+/-0.008 χ^2/NDF: 3650737.7/19

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

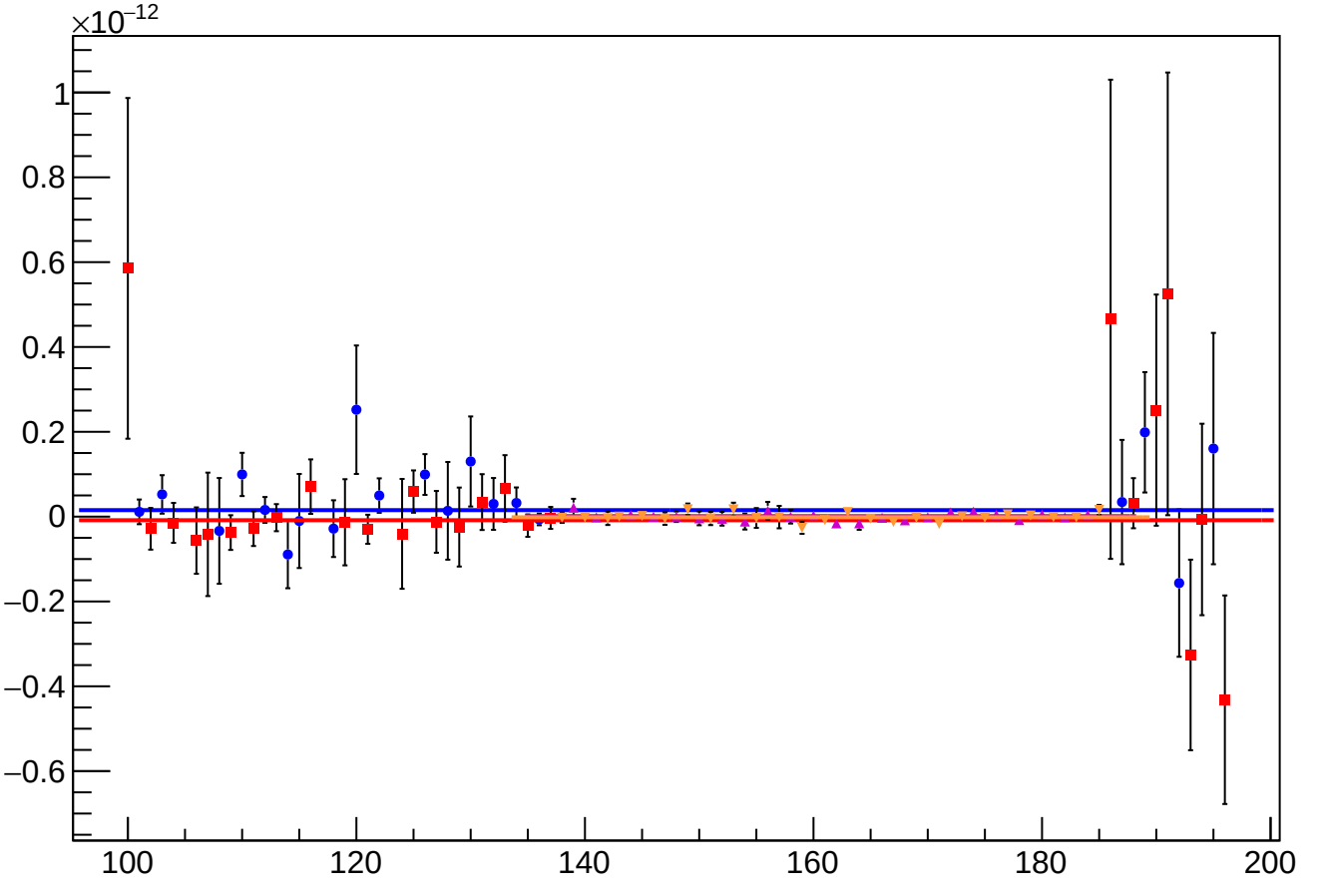
Right Out: 33.271+/-0.008 χ^2/NDF: 4705746.0/25

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.751+/-0.004 χ^2/NDF: 10460492.8/44

All: 27.289+/-0.003 χ^2/NDF: 24658208.0/93

- sign 26.026+/-0.004 χ^2/NDF: 13998834.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

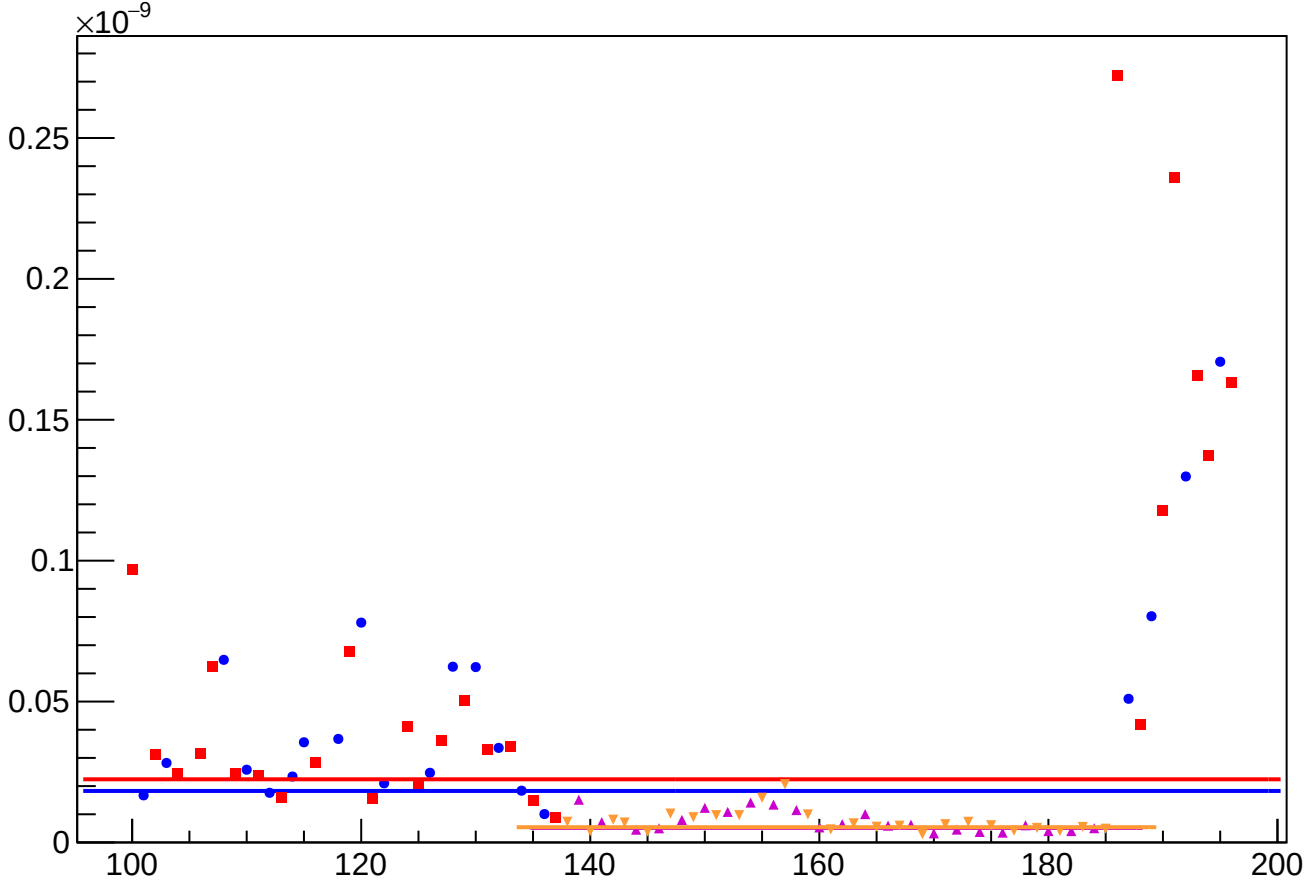
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/44

All: 0.000+/-0.000 χ^2/NDF: 74.1/93

- sign 0.000+/-0.000 χ^2/NDF: 33.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4392028.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5162032.7/25

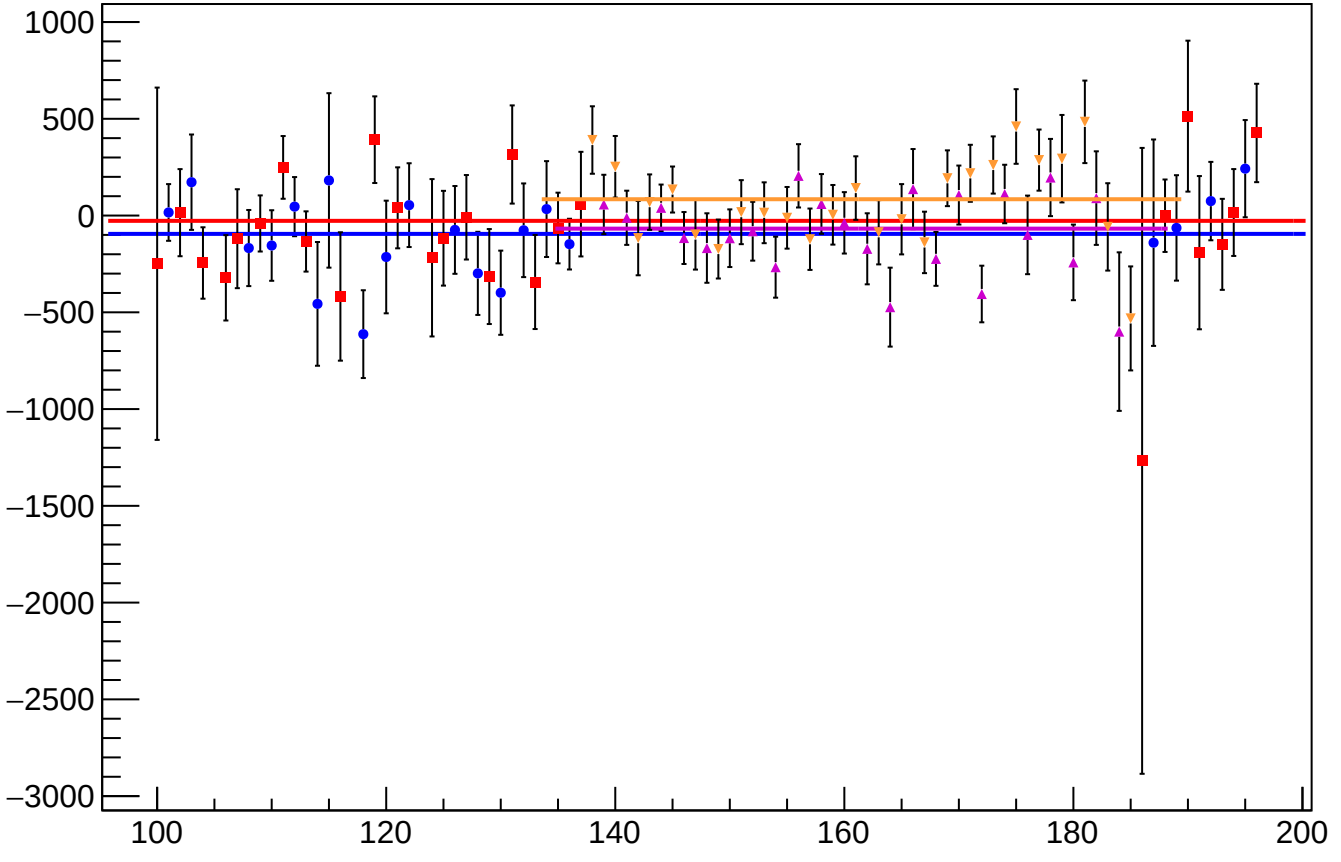
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11087103.7/44

All: 0.000+/-0.000 χ^2/NDF: 24813749.7/93

- sign 0.000+/-0.000 χ^2/NDF: 13708583.5/48

reg_asym_sam_48_avg_mean vs Slug



Right In: -94.752+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -27.344+/-44.868 χ^2/NDF: 23.4/25

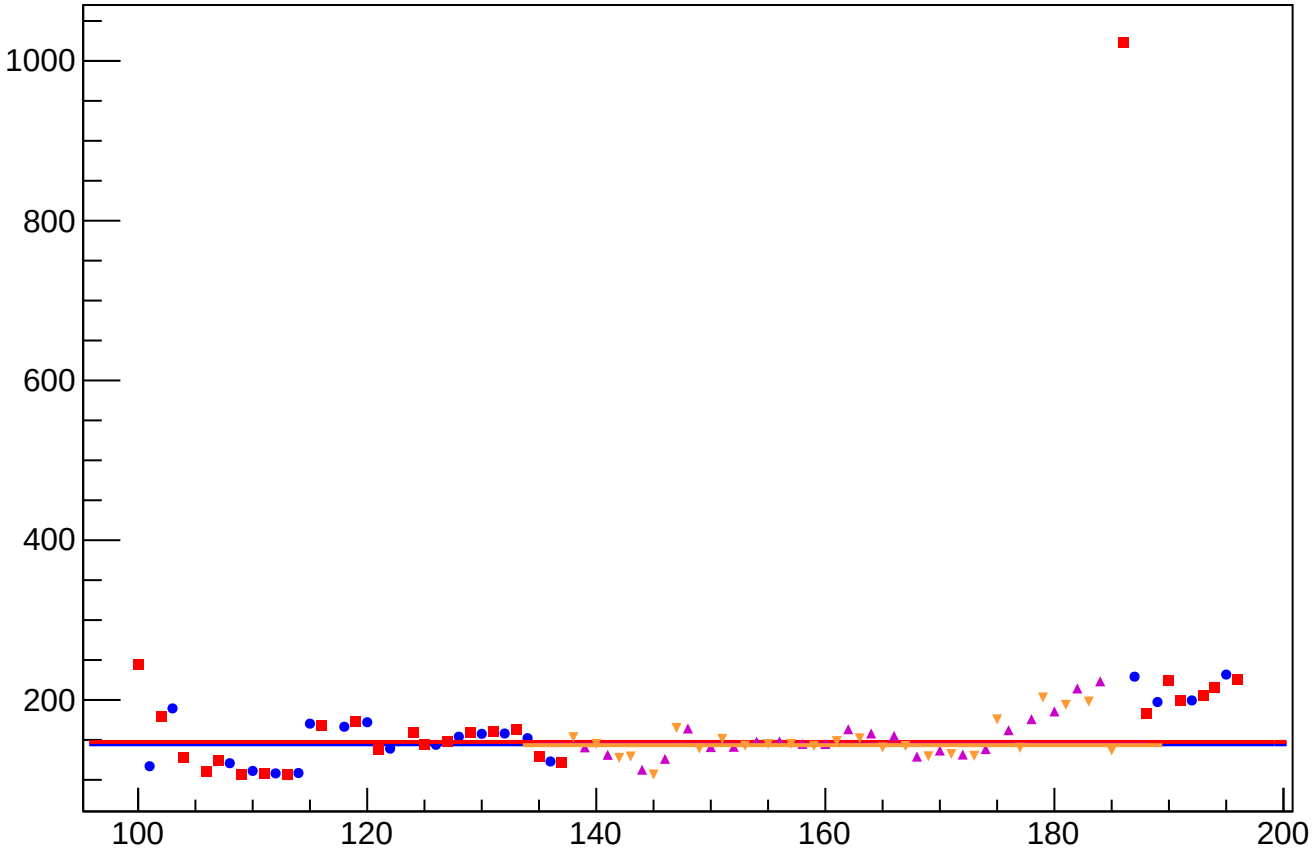
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 26.218+/-27.152 χ^2/NDF: 59.5/44

All: -13.303+/-19.205 χ^2/NDF: 114.2/93

- sign -52.870+/-27.168 χ^2/NDF: 50.4/48

reg_asym_sam_48_avg_rms vs Slug



Right In: 144.517+/-0.034 χ^2/NDF: 1003758.2/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 147.439+/-0.032 χ^2/NDF: 1926279.7/25

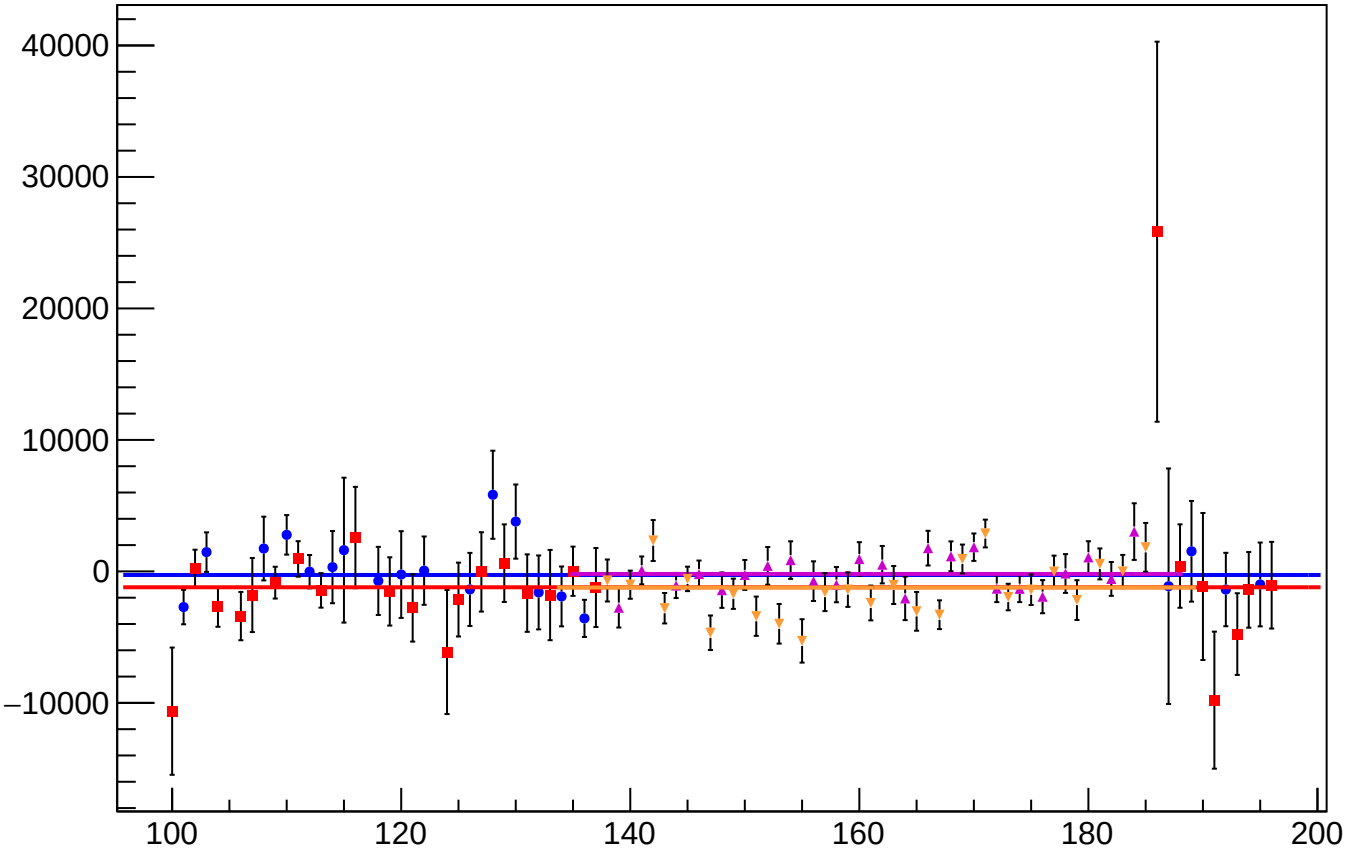
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751484.6/44

All: 144.580+/-0.014 χ^2/NDF: 4390572.2/93

- sign 145.369+/-0.019 χ^2/NDF: 2635716.4/48

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -271.680+/-483.098 χ^2/NDF: 22.0/19

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1207.775+/-445.108 χ^2/NDF: 21.2/25

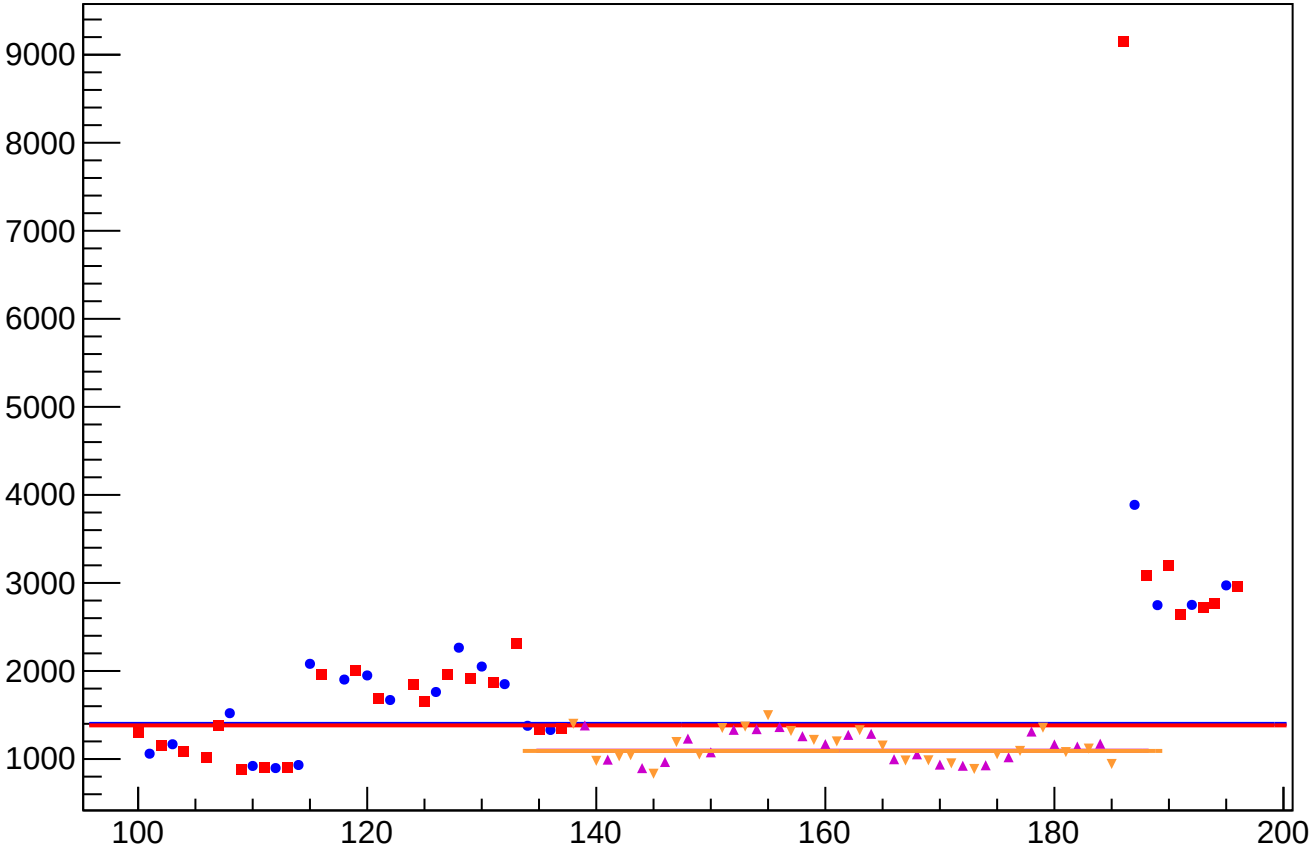
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.420+/-223.267 χ^2/NDF: 84.4/44

All: -736.486+/-158.065 χ^2/NDF: 136.0/93

- sign -450.166+/-223.809 χ^2/NDF: 48.4/48

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1399.091+/-0.342 χ^2/NDF: 2630882.1/19

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1382.232+/-0.315 χ^2/NDF: 4409510.2/25

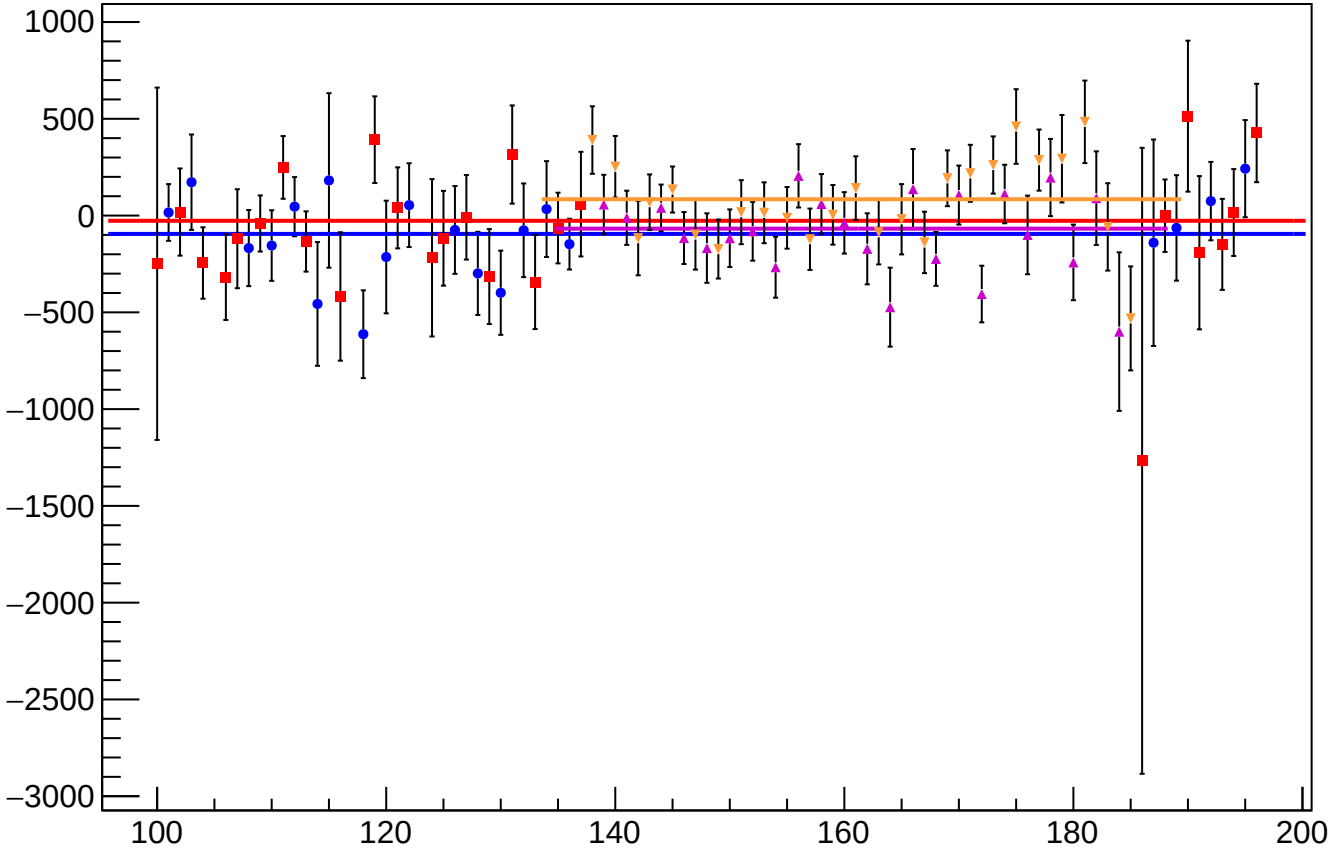
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1157.575+/-0.158 χ^2/NDF: 4158951.6/44

All: 1162.391+/-0.112 χ^2/NDF: 9927843.6/93

- sign 1167.231+/-0.158 χ^2/NDF: 5767026.2/48

cor_asym_sam_48_avg_mean vs Slug



Right In: -94.758+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -26.985+/-44.875 χ^2/NDF: 23.3/25

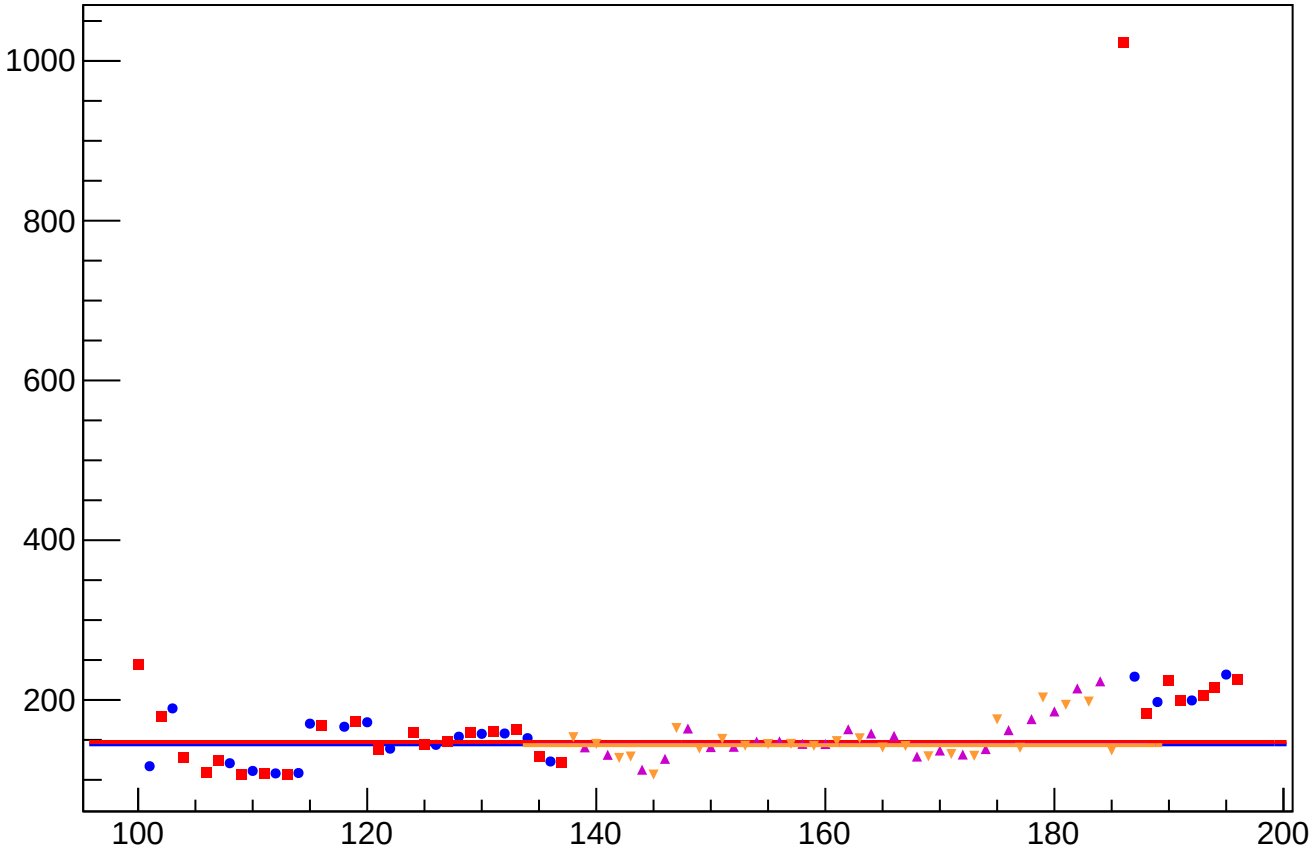
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 26.226+/-27.152 χ^2/NDF: 59.5/44

All: -13.233+/-19.205 χ^2/NDF: 114.1/93

- sign -52.742+/-27.169 χ^2/NDF: 50.4/48

cor_asym_sam_48_avg_rms vs Slug



Right In: 144.517+/-0.034 χ^2/NDF: 1003760.9/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

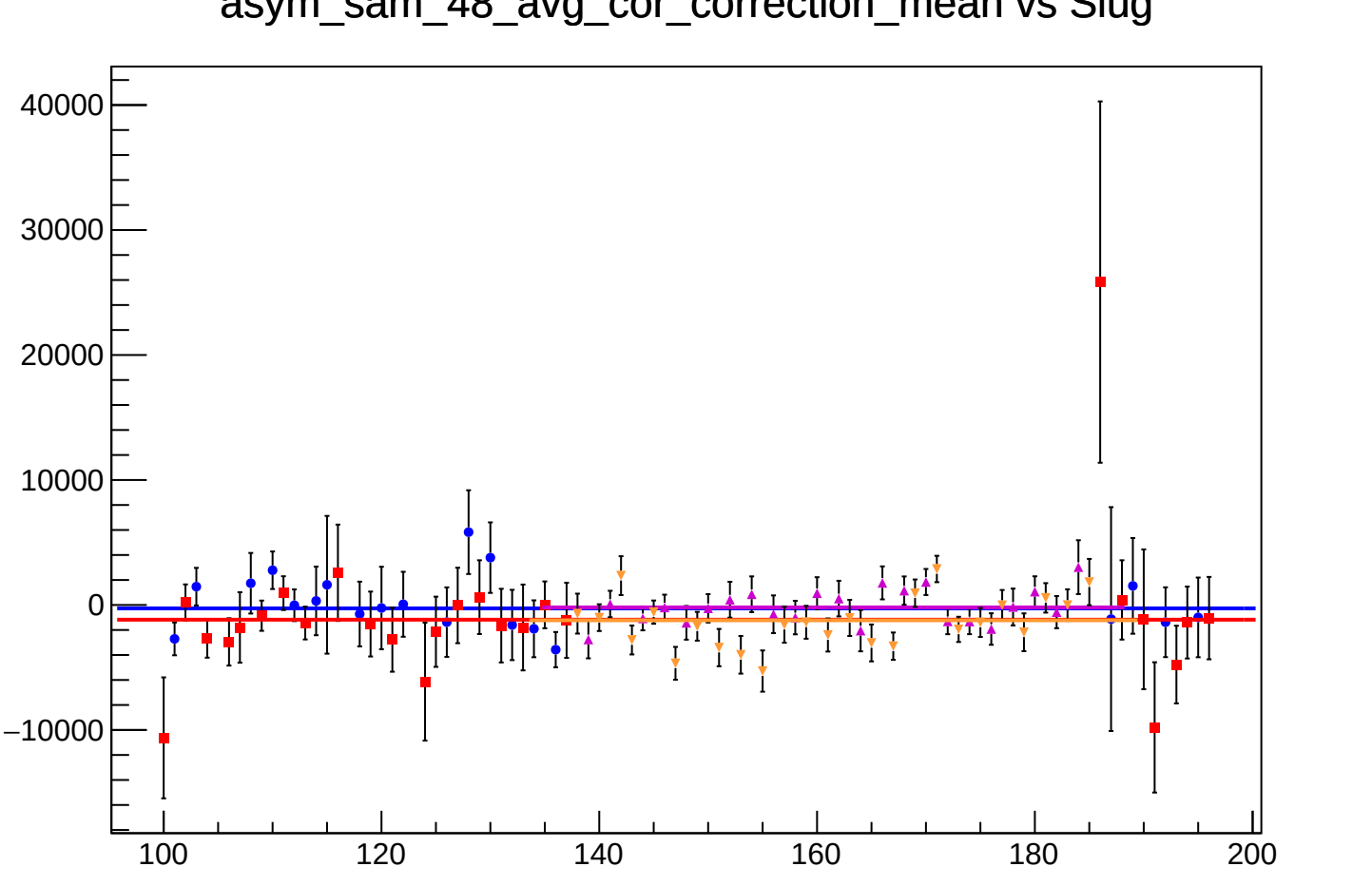
Right Out: 147.385+/-0.032 χ^2/NDF: 1931028.9/25

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751487.4/44

All: 144.570+/-0.014 χ^2/NDF: 4395016.2/93

- sign 145.349+/-0.019 χ^2/NDF: 2640243.2/48



Right In: -271.745+/-483.102 χ^2/NDF: 22.0/19

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1176.201+/-445.900 χ^2/NDF: 20.7/25

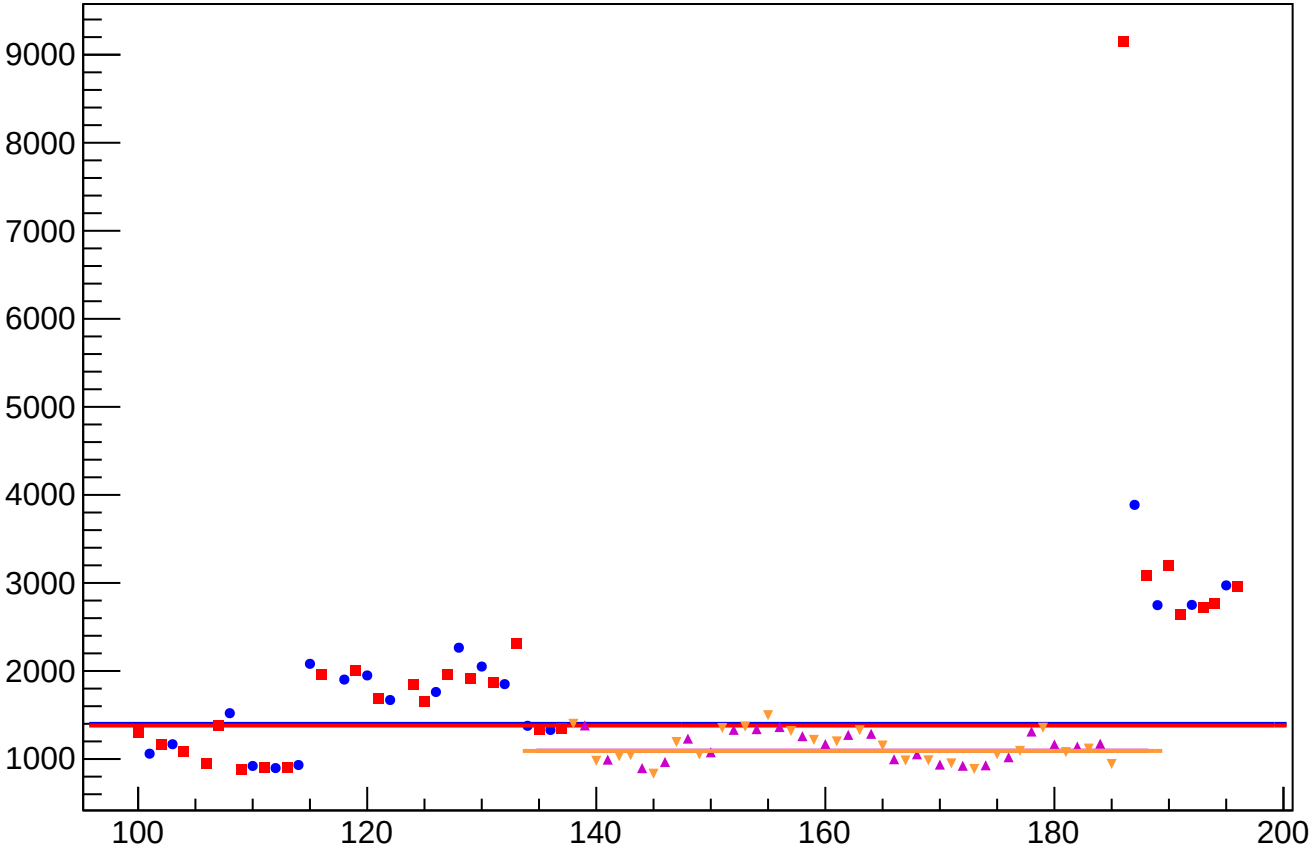
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.423+/-223.267 χ^2/NDF: 84.4/44

All: -732.308+/-158.101 χ^2/NDF: 135.3/93

- sign -441.526+/-223.910 χ^2/NDF: 47.6/48

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1399.106+/-0.342 χ^2/NDF: 2630830.9/19

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1380.154+/-0.315 χ^2/NDF: 4431873.2/25

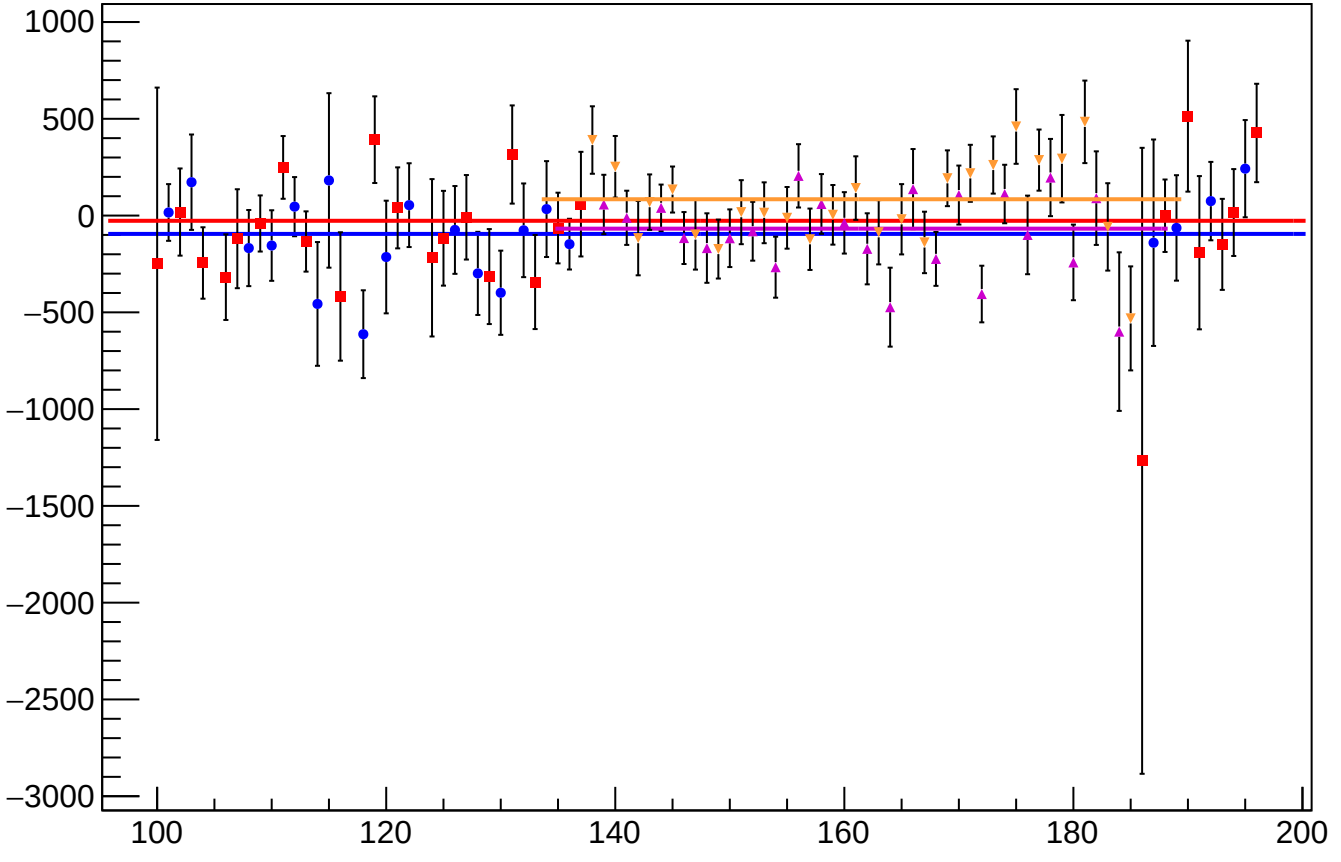
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1157.577+/-0.158 χ^2/NDF: 4158951.9/44

All: 1162.033+/-0.112 χ^2/NDF: 9939315.1/93

- sign 1166.514+/-0.158 χ^2/NDF: 5778765.7/48

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -94.758+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -26.985+/-44.875 χ^2/NDF: 23.3/25

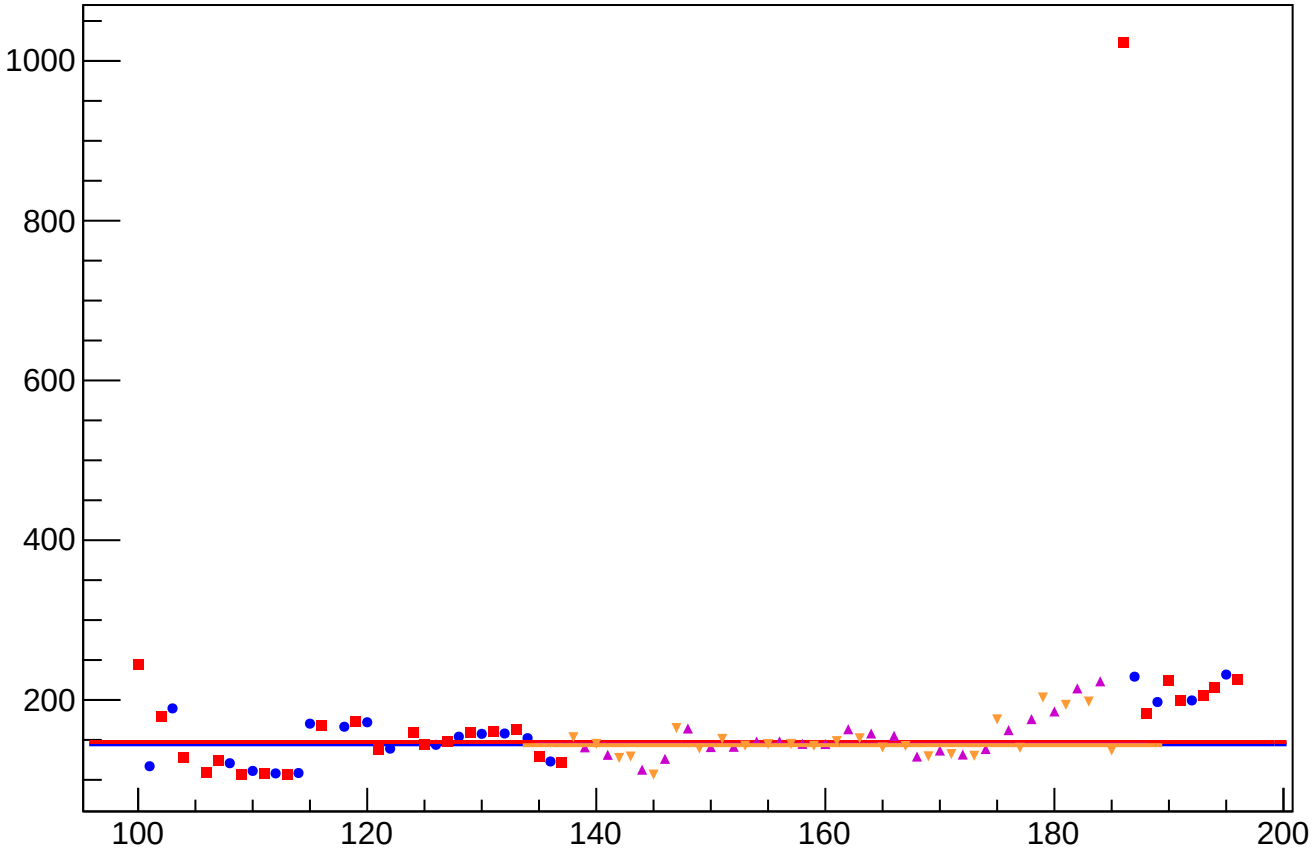
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 26.226+/-27.152 χ^2/NDF: 59.5/44

All: -13.233+/-19.205 χ^2/NDF: 114.1/93

- sign -52.742+/-27.169 χ^2/NDF: 50.4/48

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 144.517+/-0.034 χ^2/NDF: 1003760.9/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

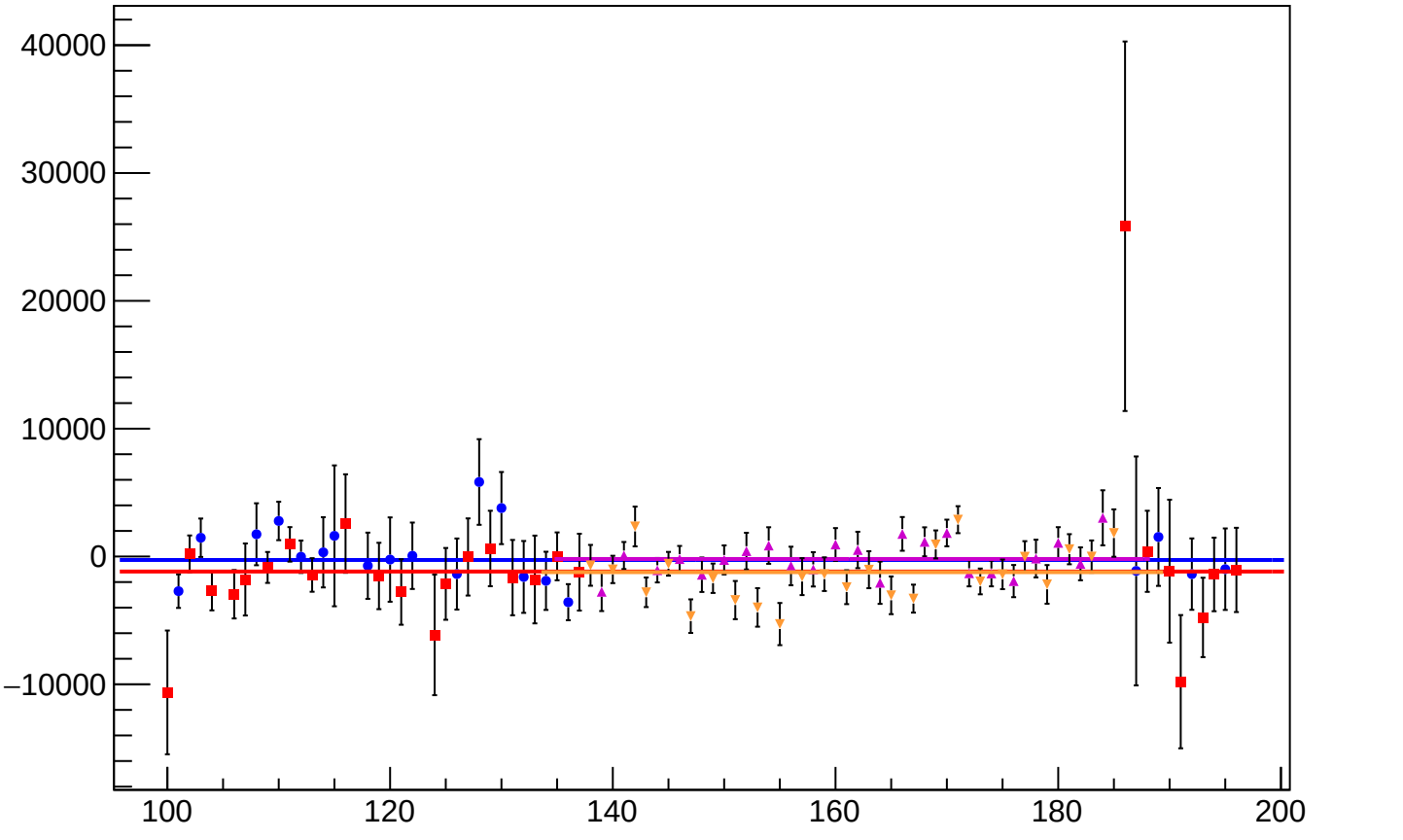
Right Out: 147.385+/-0.032 χ^2/NDF: 1931028.9/25

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751487.4/44

All: 144.570+/-0.014 χ^2/NDF: 4395016.2/93

- sign 145.349+/-0.019 χ^2/NDF: 2640243.2/48



Right In: -271.745+/-483.102 χ^2/NDF: 22.0/19

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1176.201+/-445.900 χ^2/NDF: 20.7/25

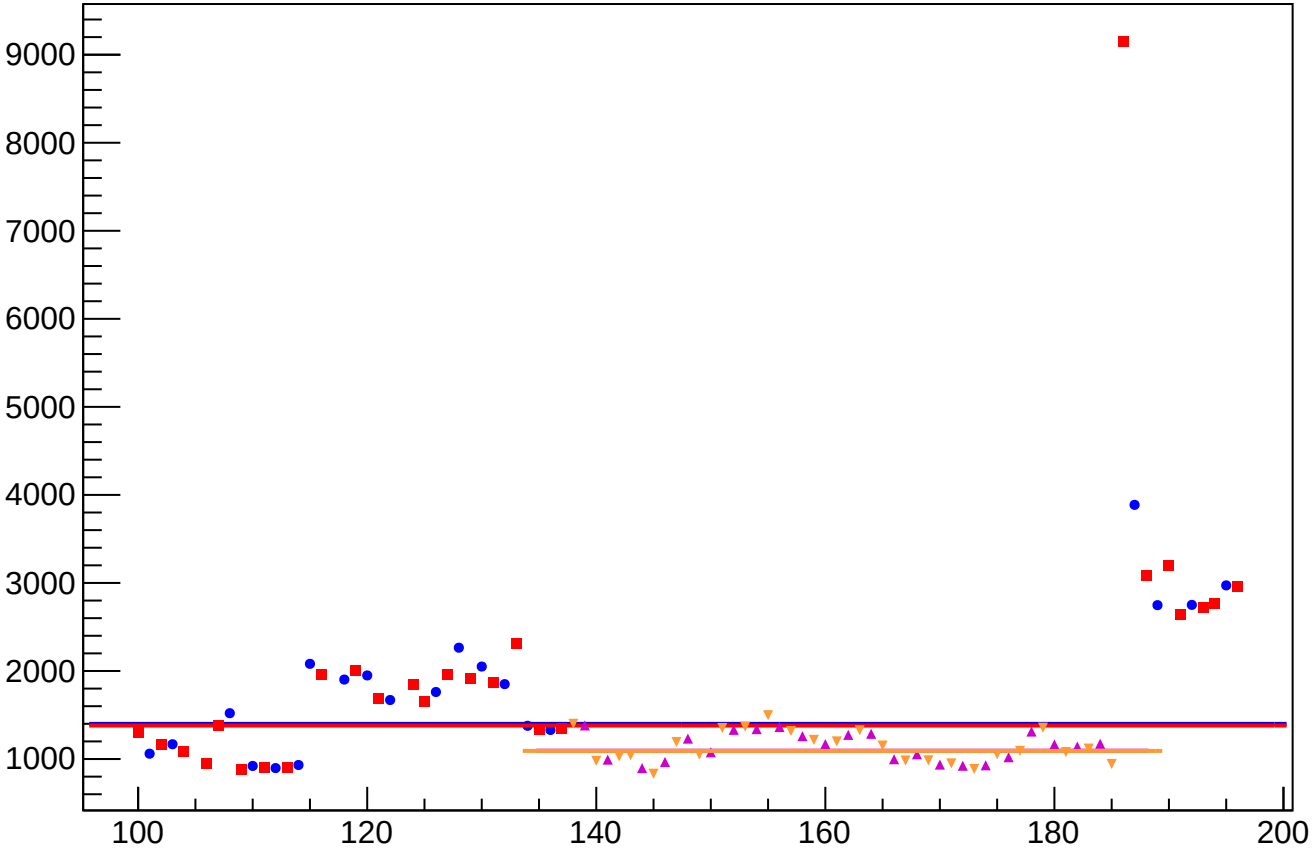
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1021.423+/-223.267 χ^2/NDF: 84.4/44

All: -732.308+/-158.101 χ^2/NDF: 135.3/93

\- sign -441.526+/-223.910 χ^2/NDF: 47.6/48

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1399.106+/-0.342 χ^2/NDF: 2630830.9/19

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1380.154+/-0.315 χ^2/NDF: 4431873.2/25

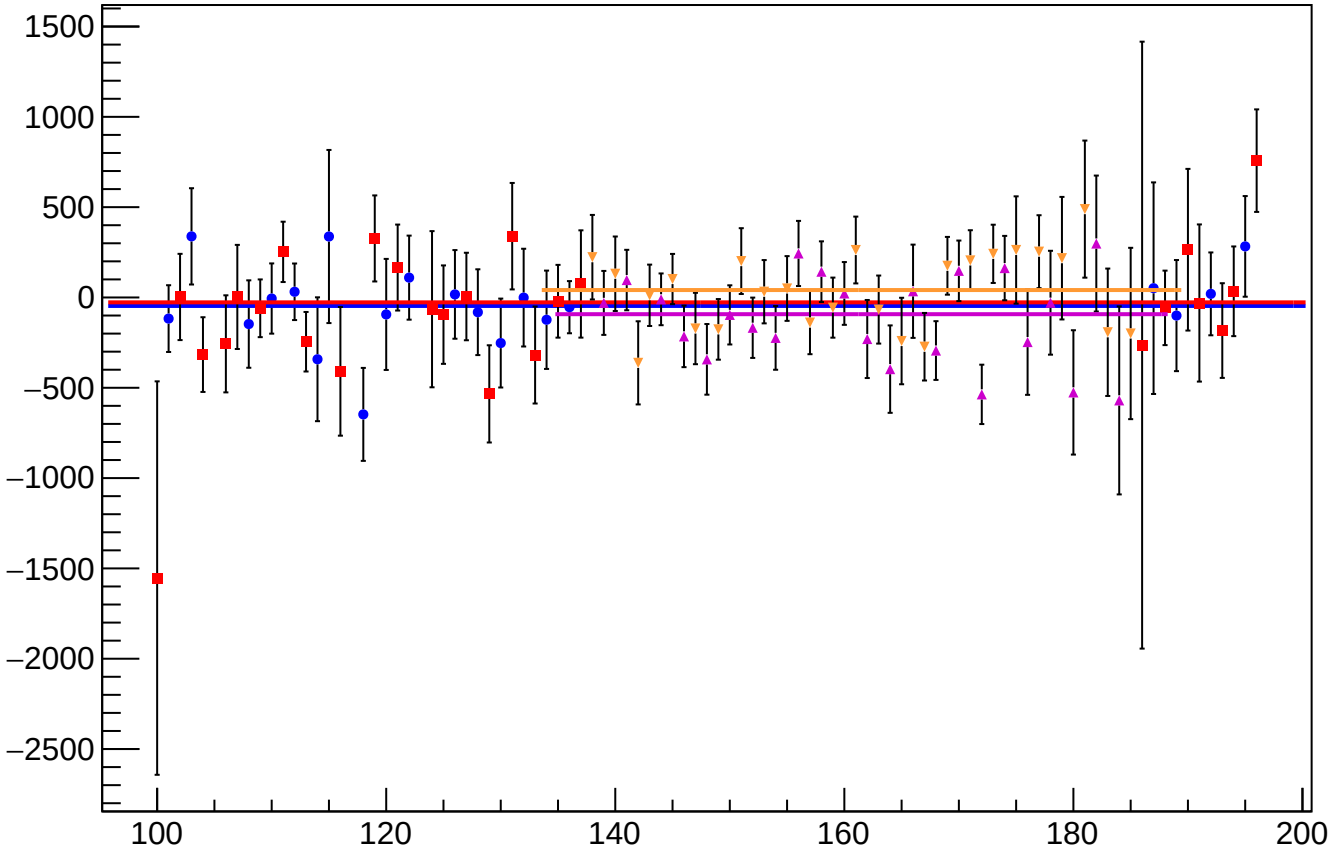
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1157.577+/-0.158 χ^2/NDF: 4158951.9/44

All: 1162.033+/-0.112 χ^2/NDF: 9939315.1/93

- sign 1166.514+/-0.158 χ^2/NDF: 5778765.7/48

dit_asym_sam_48_avg_mean vs Slug



Right In: -46.917+/-52.995 χ^2/NDF: 12.4/19

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -27.057+/-49.324 χ^2/NDF: 28.3/25

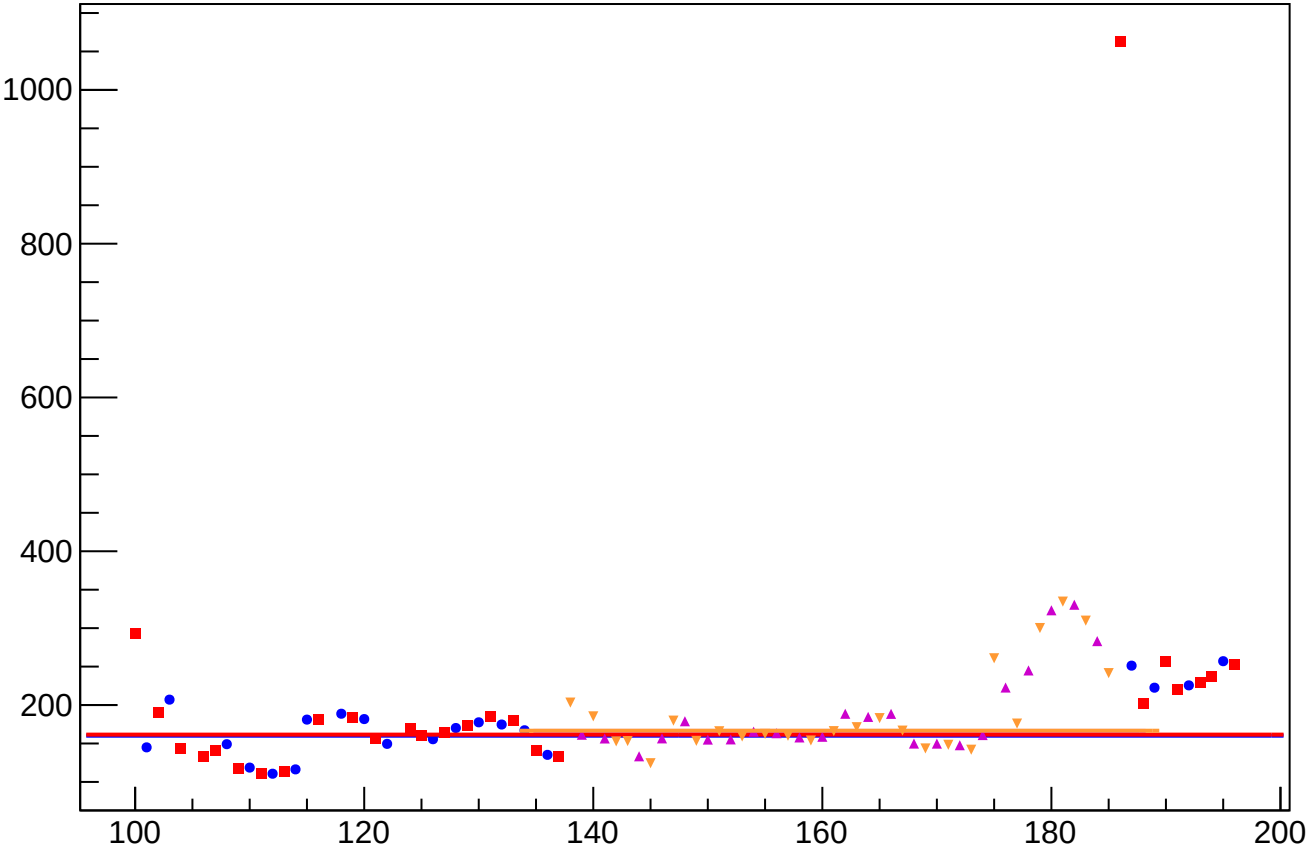
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 9.988+/-31.503 χ^2/NDF: 36.5/44

All: -28.663+/-22.148 χ^2/NDF: 98.4/93

- sign -66.441+/-31.145 χ^2/NDF: 58.8/48

dit_asym_sam_48_avg_rms vs Slug



Right In: 160.132+/-0.037 χ^2/NDF: 1061794.6/19

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 161.528+/-0.035 χ^2/NDF: 2000325.4/25

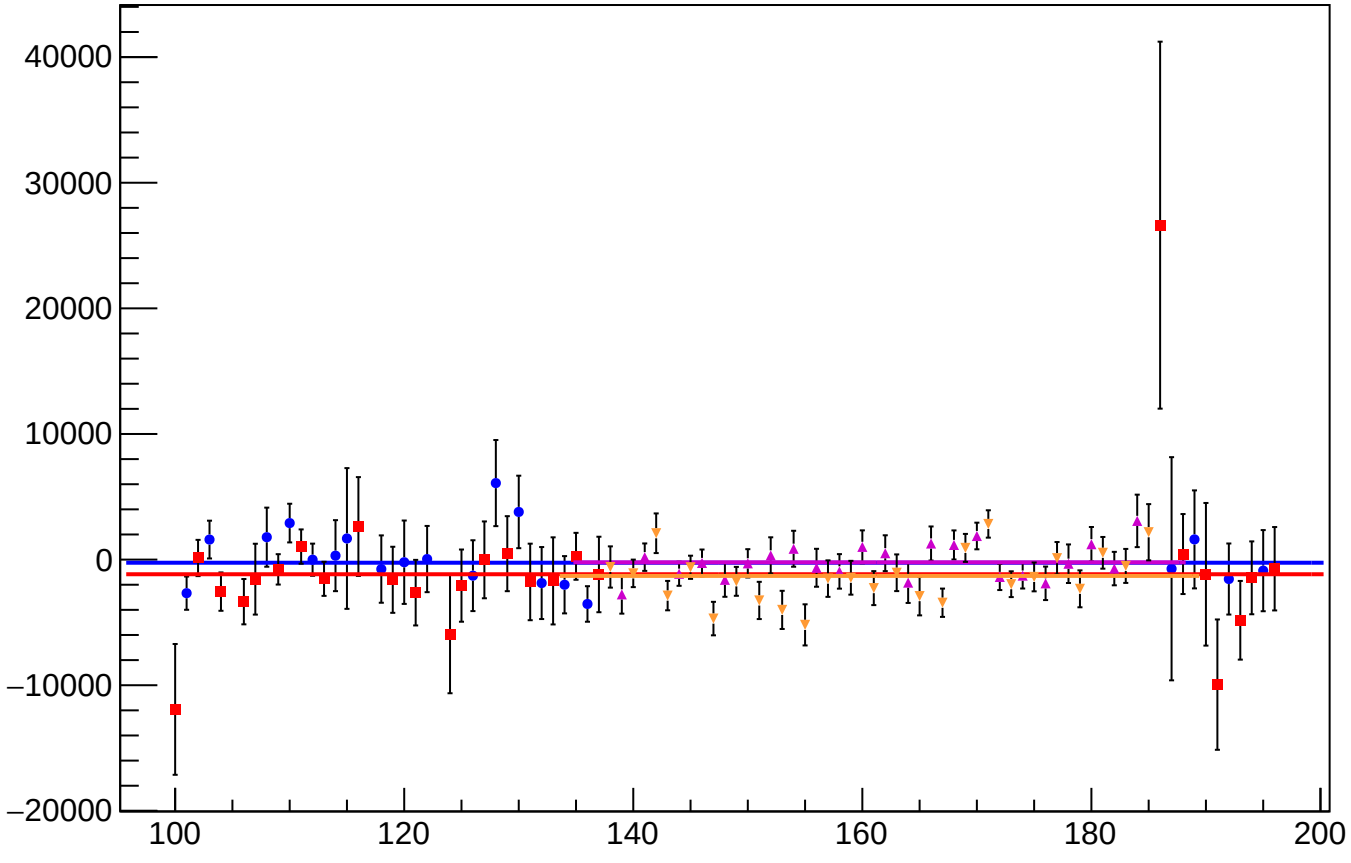
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 164.313+/-0.022 χ^2/NDF: 2800885.9/44

All: 164.358+/-0.016 χ^2/NDF: 6204982.0/93

- sign 164.402+/-0.022 χ^2/NDF: 3404088.1/48

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -248.575+/-487.844 χ^2/NDF: 22.3/19

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1165.100+/-449.181 χ^2/NDF: 21.8/25

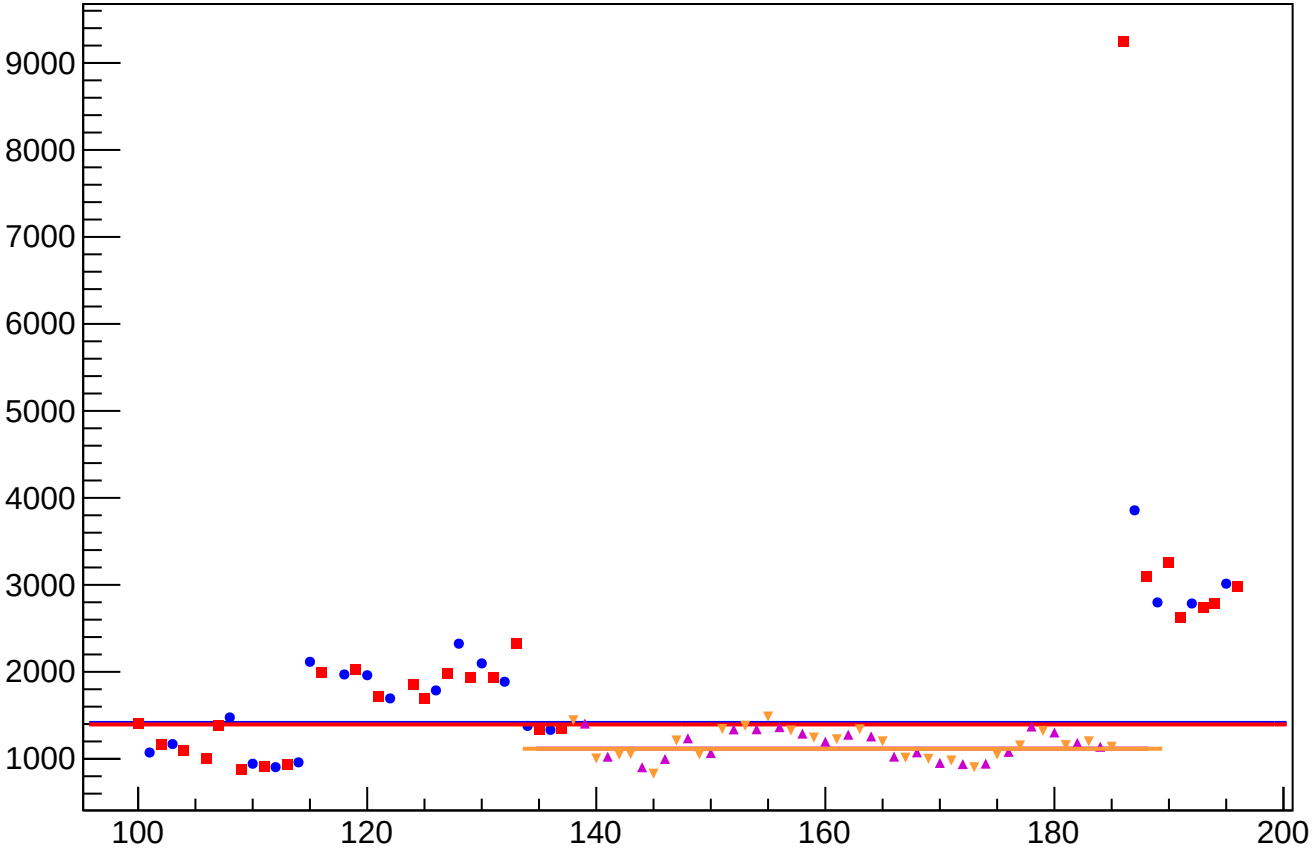
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1070.340+/-227.351 χ^2/NDF: 81.1/44

All: -766.418+/-160.937 χ^2/NDF: 132.0/93

- sign -461.164+/-227.849 χ^2/NDF: 47.3/48

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1412.854+/-0.345 χ^2/NDF: 2650807.5/19

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1395.447+/-0.318 χ^2/NDF: 4421964.8/25

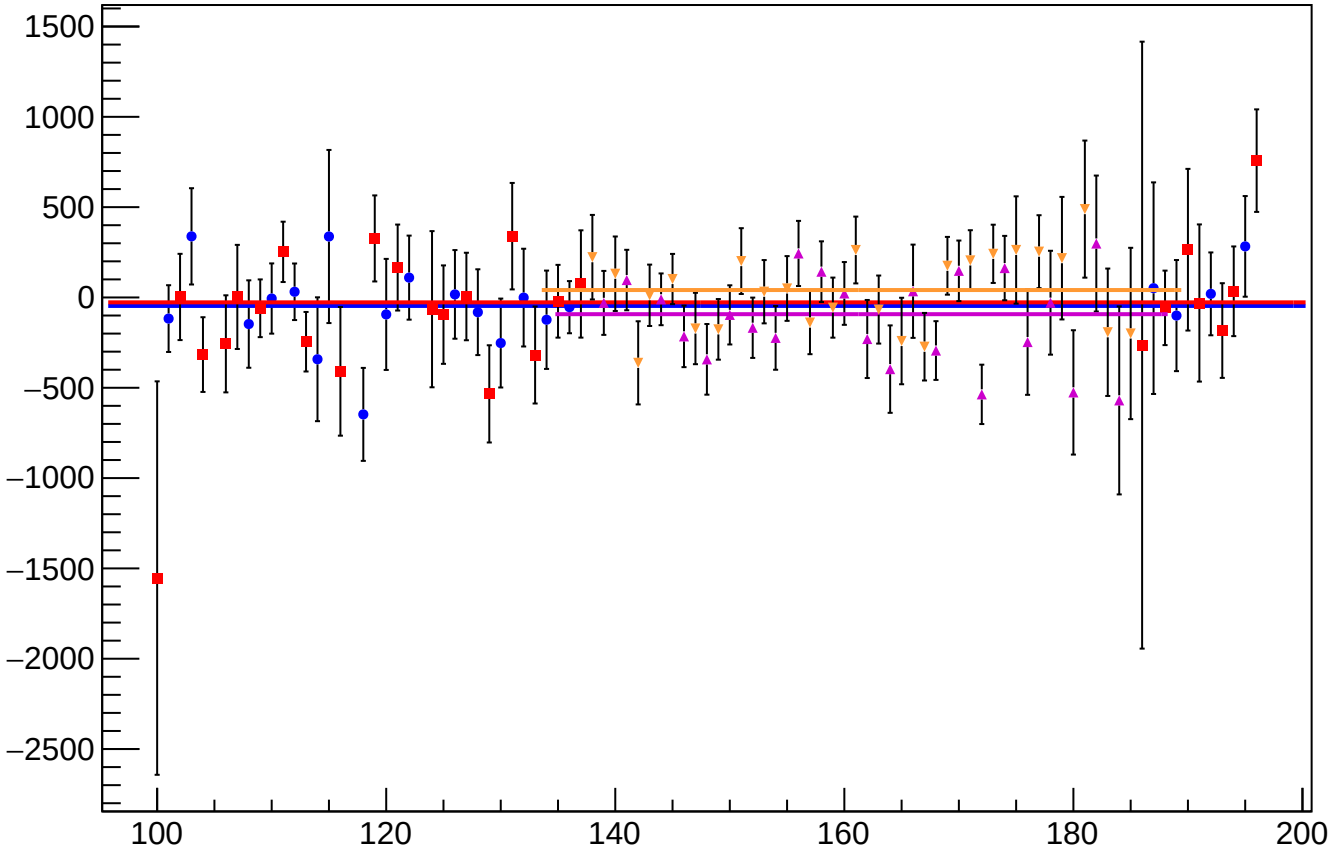
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1180.499+/-0.161 χ^2/NDF: 4097878.3/44

All: 1184.872+/-0.114 χ^2/NDF: 9818109.8/93

- sign 1189.264+/-0.161 χ^2/NDF: 5718748.6/48

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -46.914+/-52.995 χ^2/NDF: 12.4/19

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -27.057+/-49.324 χ^2/NDF: 28.3/25

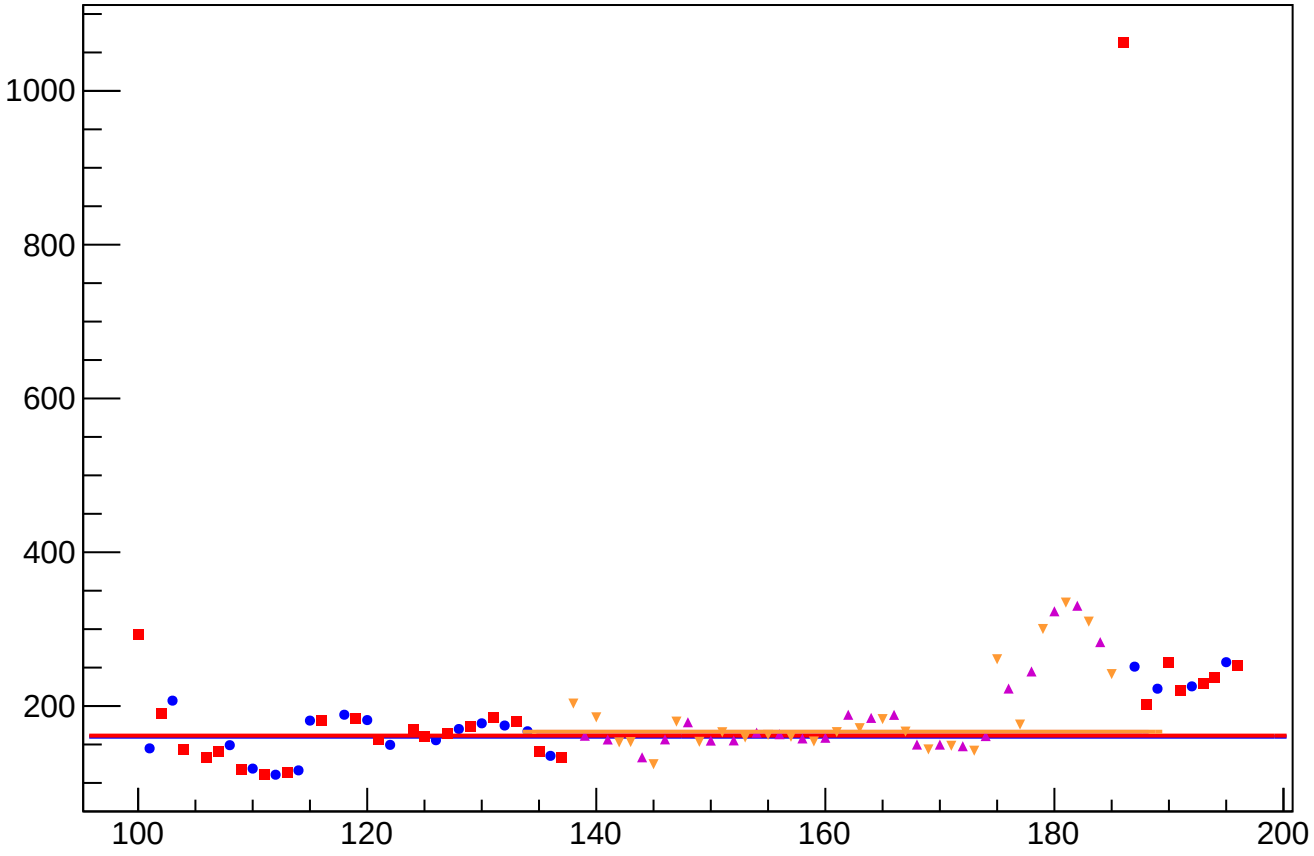
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 9.990+/-31.503 χ^2/NDF: 36.5/44

All: -28.662+/-22.148 χ^2/NDF: 98.4/93

- sign -66.440+/-31.145 χ^2/NDF: 58.8/48

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 160.132+/-0.037 χ^2/NDF: 1061790.8/19

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

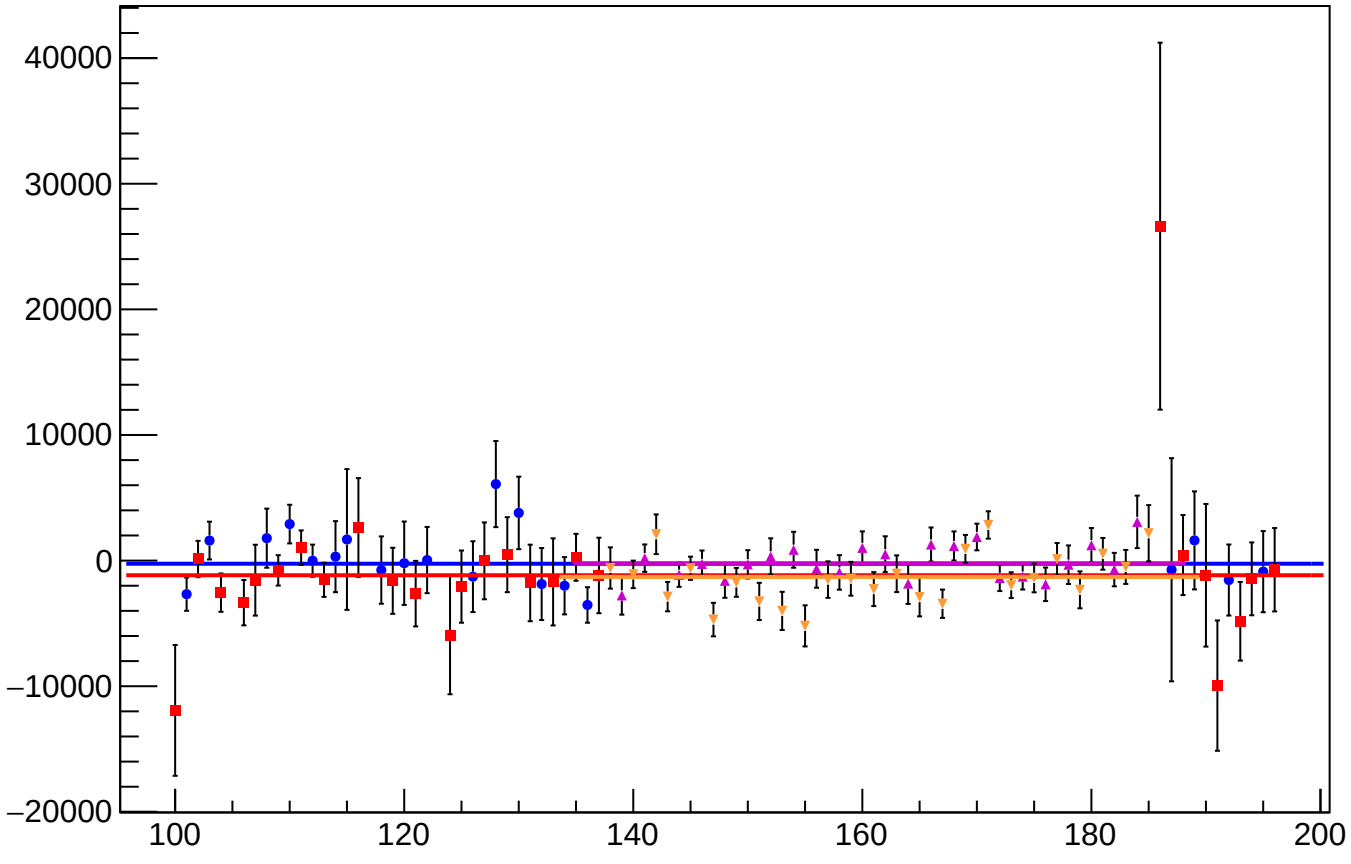
Right Out: 161.528+/-0.035 χ^2/NDF: 2000326.0/25

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 164.314+/-0.022 χ^2/NDF: 2800877.6/44

All: 164.358+/-0.016 χ^2/NDF: 6204955.5/93

- sign 164.402+/-0.022 χ^2/NDF: 3404069.9/48



Right In: -248.574+/-487.843 χ^2/NDF: 22.3/19

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1165.099+/-449.180 χ^2/NDF: 21.8/25

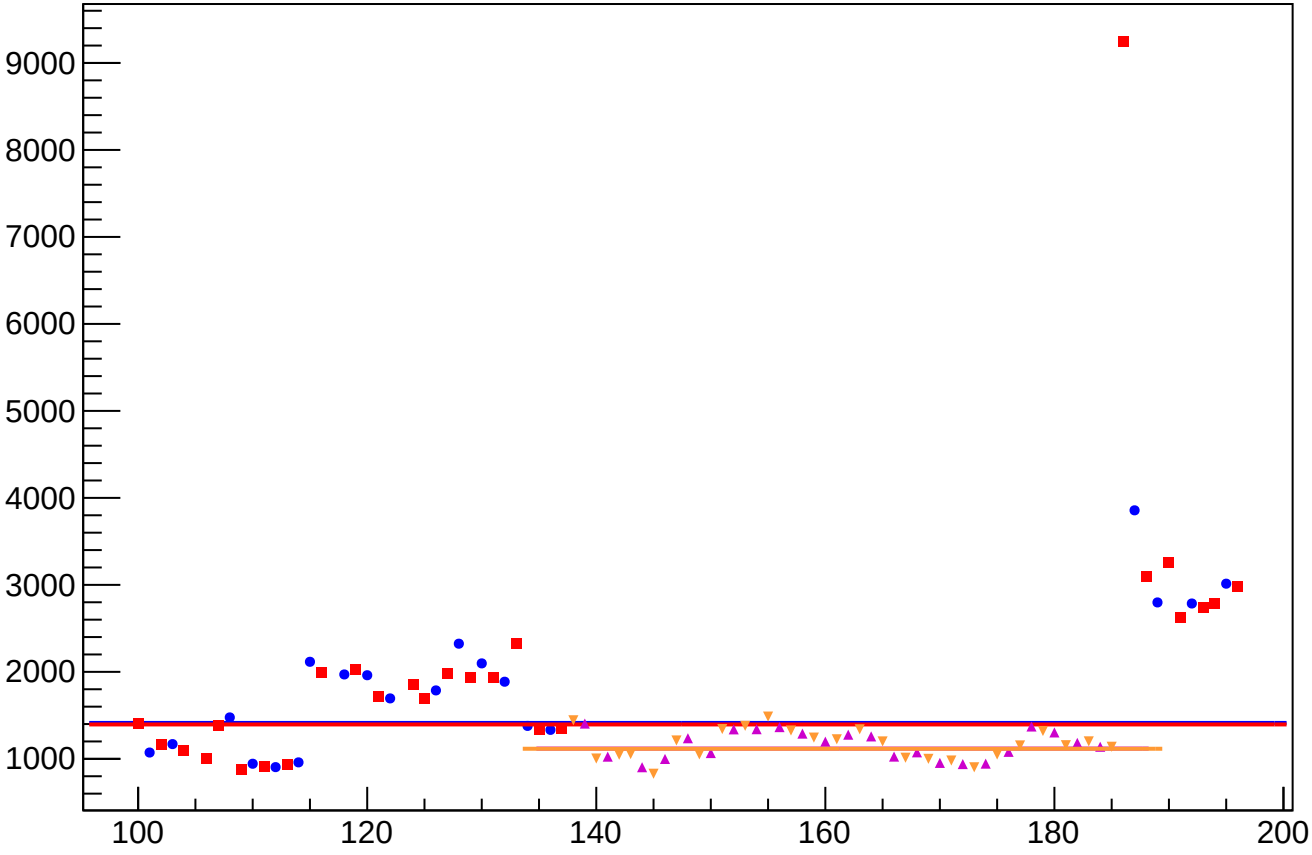
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1070.338+/-227.351 χ^2/NDF: 81.1/44

All: -766.416+/-160.937 χ^2/NDF: 132.0/93

- sign -461.162+/-227.848 χ^2/NDF: 47.3/48

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1412.852+/-0.345 χ^2/NDF: 2650810.7/19

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1395.446+/-0.318 χ^2/NDF: 4421964.0/25

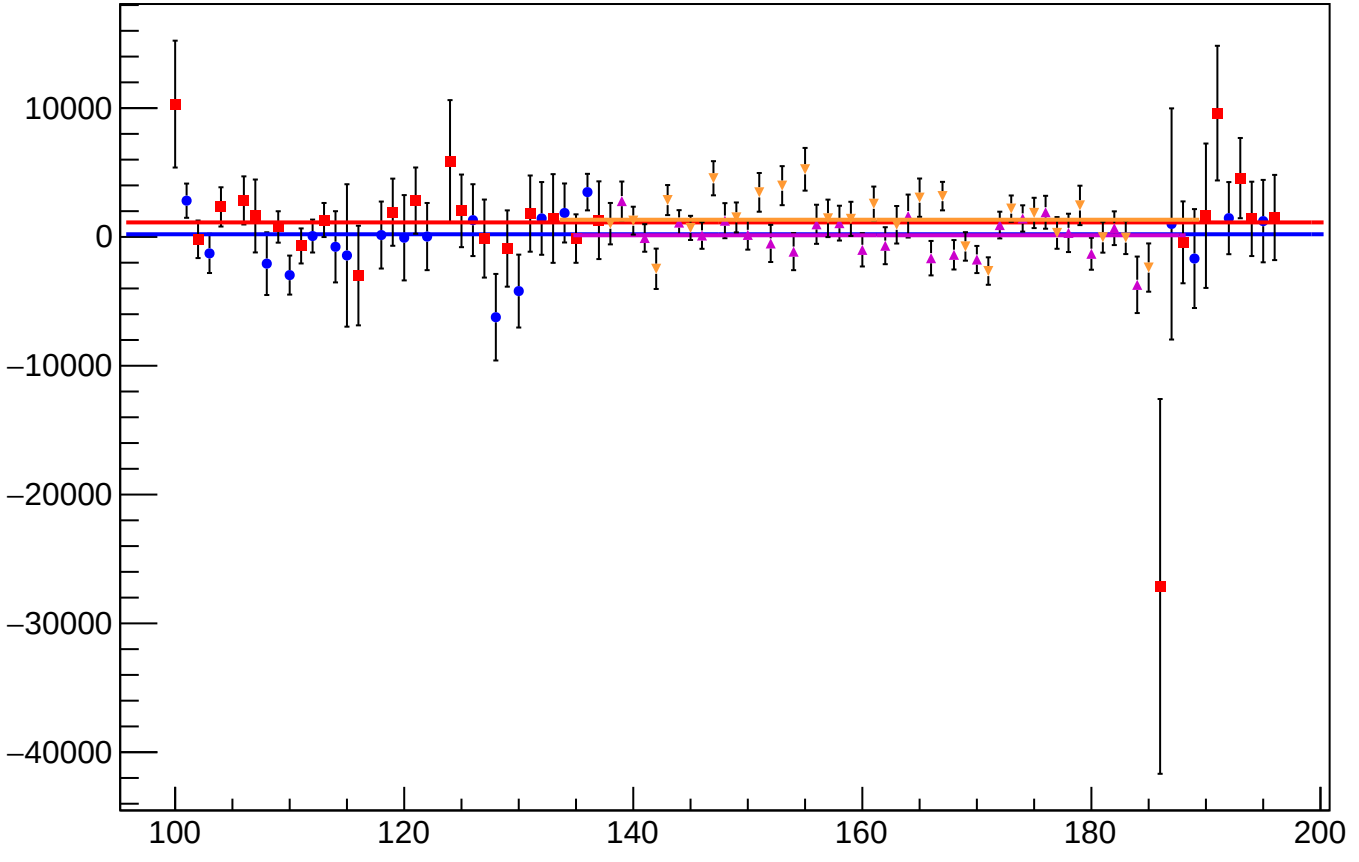
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1180.497+/-0.161 χ^2/NDF: 4097886.4/44

All: 1184.870+/-0.114 χ^2/NDF: 9818119.2/93

- sign 1189.262+/-0.161 χ^2/NDF: 5718749.8/48

asym_sam_48_avg_mean vs Slug



Right In: 207.145+/-486.526 χ^2/NDF: 23.1/19

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1126.826+/-448.327 χ^2/NDF: 19.5/25

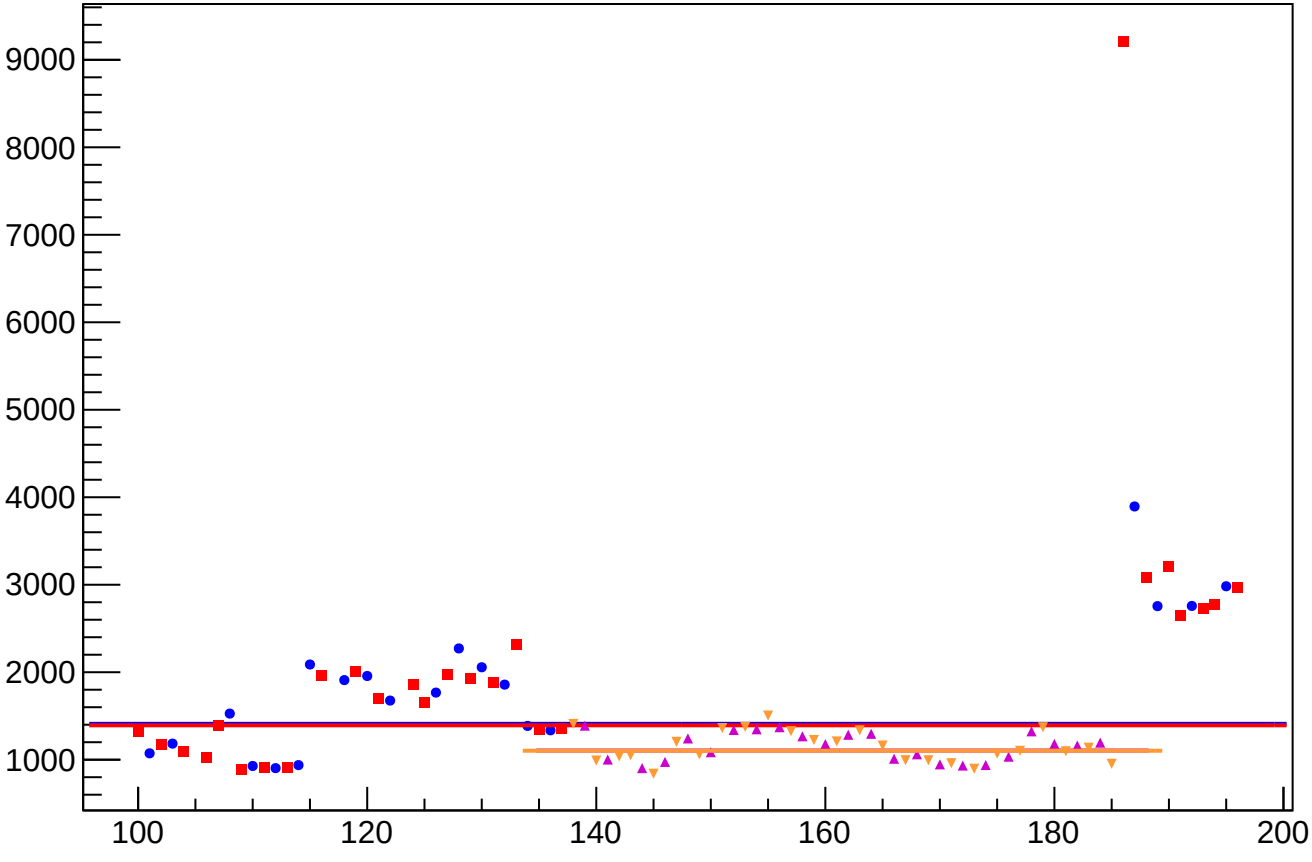
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

\+ sign 1092.924+/-225.292 χ^2/NDF: 83.0/44

All: 738.160+/-159.495 χ^2/NDF: 135.2/93

\- sign 381.705+/-225.829 χ^2/NDF: 47.2/48

asym_sam_48_avg_rms vs Slug



Right In: 1410.219+/-0.344 χ^2/NDF: 2601858.0/19

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

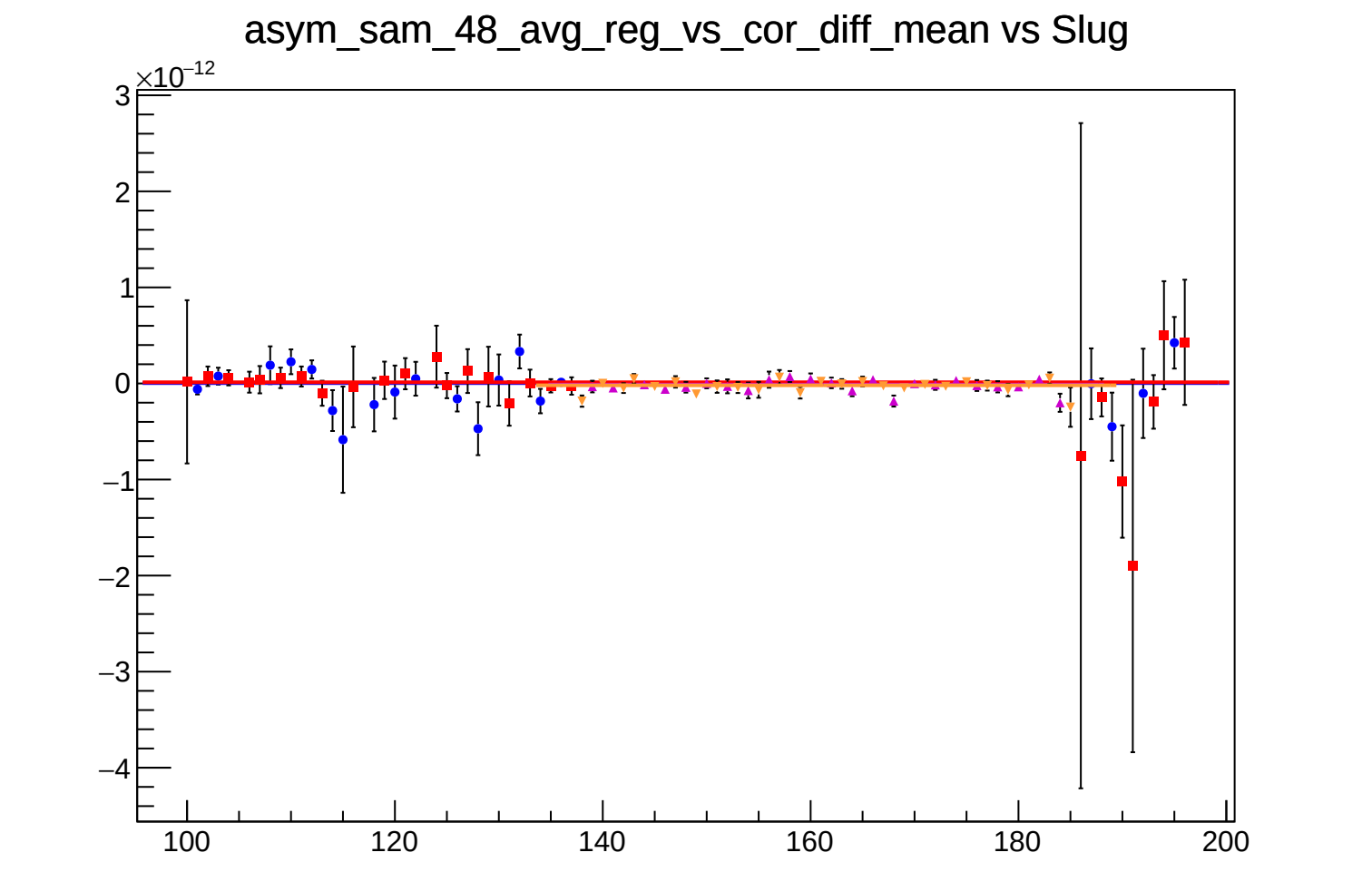
Right Out: 1393.194+/-0.317 χ^2/NDF: 4374077.3/25

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1168.641+/-0.159 χ^2/NDF: 4110020.4/44

All: 1173.445+/-0.113 χ^2/NDF: 9825115.8/93

- sign 1178.272+/-0.160 χ^2/NDF: 5713272.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

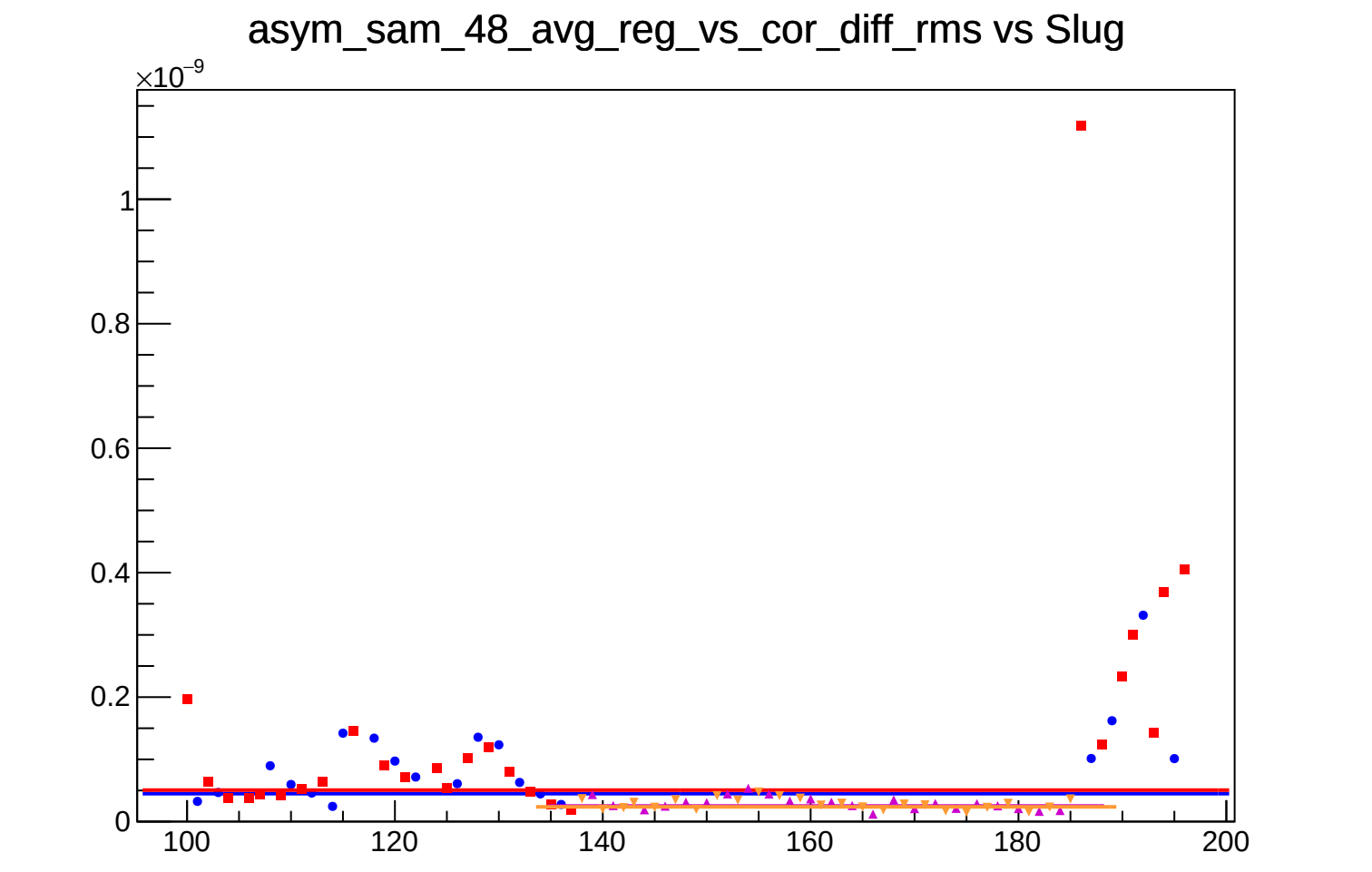
Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/25

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/44

All: -0.000+/-0.000 χ^2/NDF: 92.8/93

- sign -0.000+/-0.000 χ^2/NDF: 39.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 2472697.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3305071.7/25

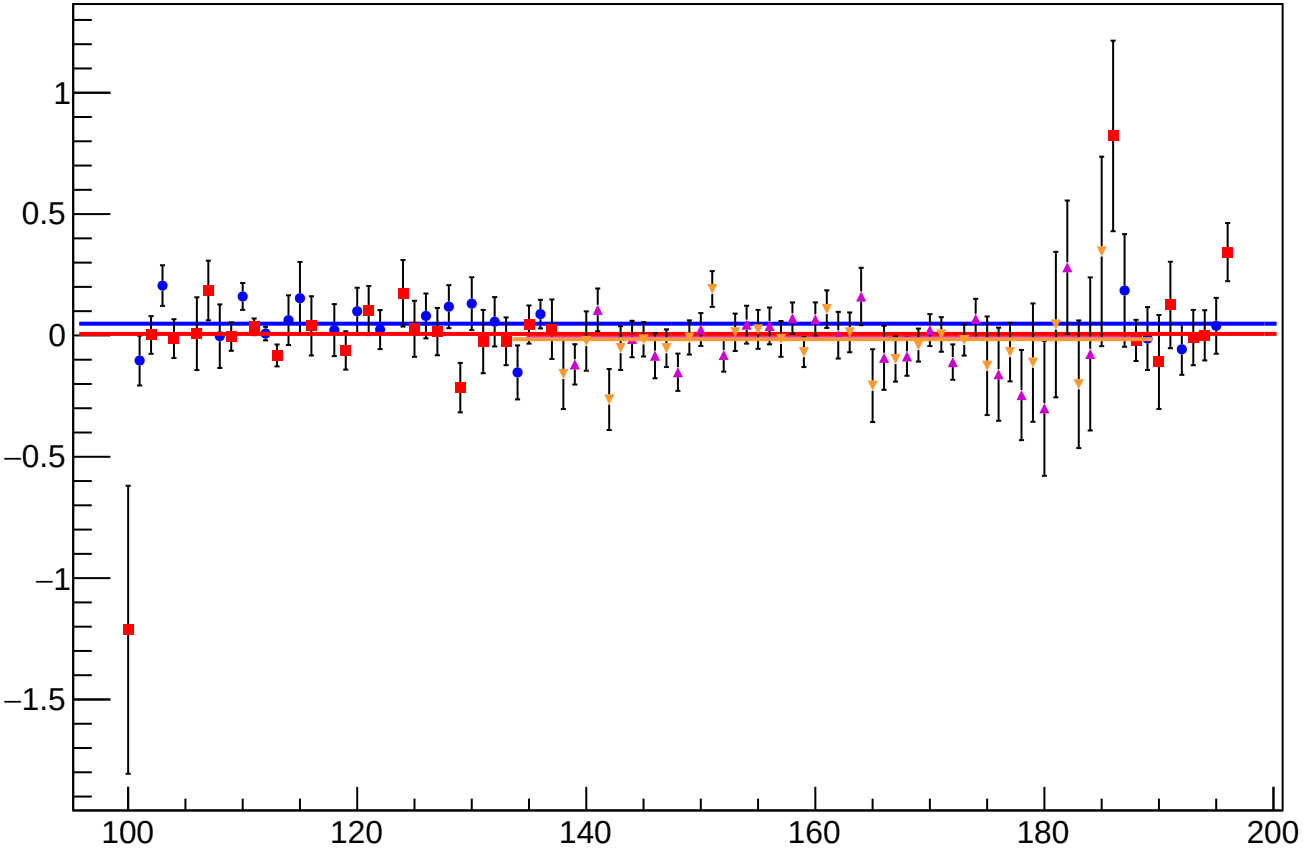
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5049641.3/44

All: 0.000+/-0.000 χ^2/NDF: 11392209.3/93

- sign 0.000+/-0.000 χ^2/NDF: 6295151.9/48

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

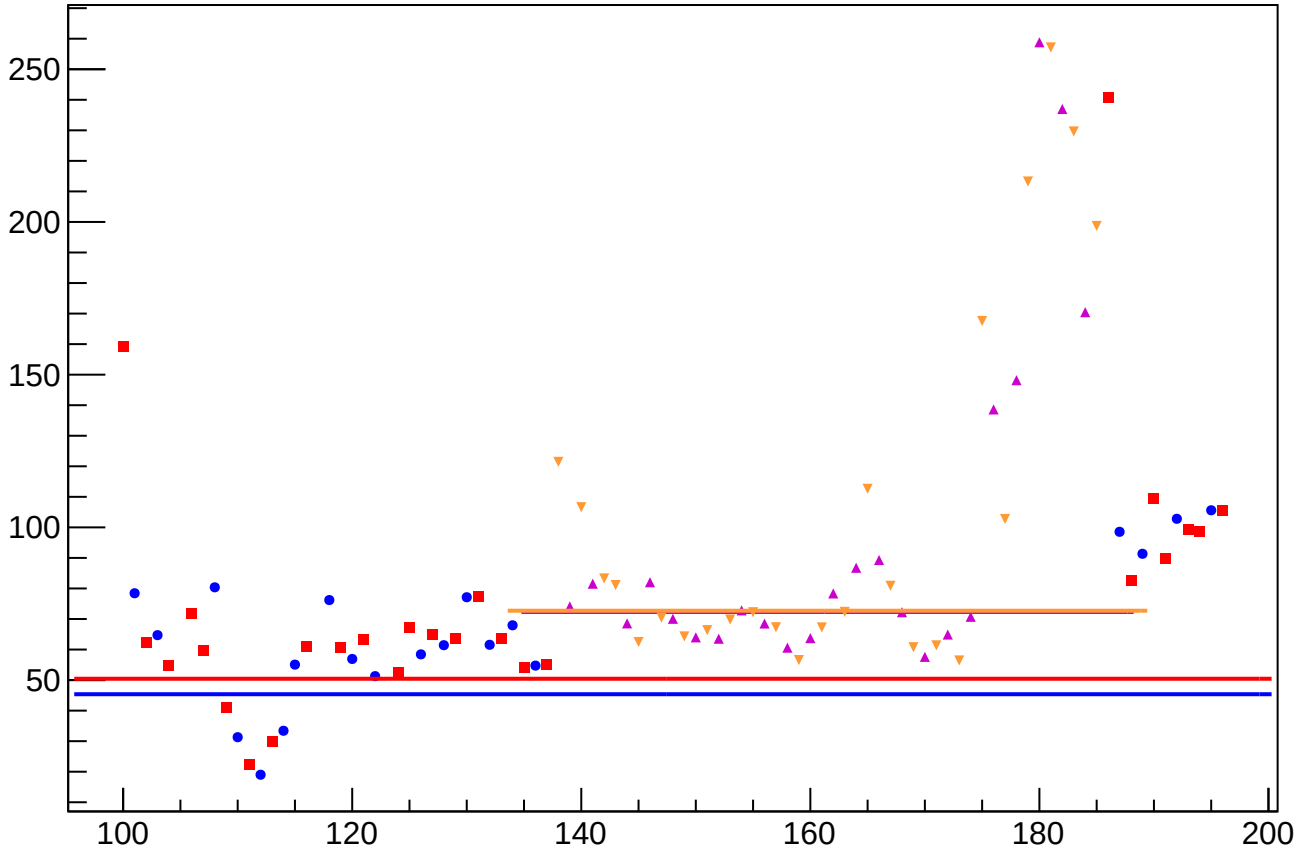
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.008+/-0.009 χ^2/NDF: 105.5/93

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.372+/-0.012 χ^2/NDF: 4540354.7/19

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

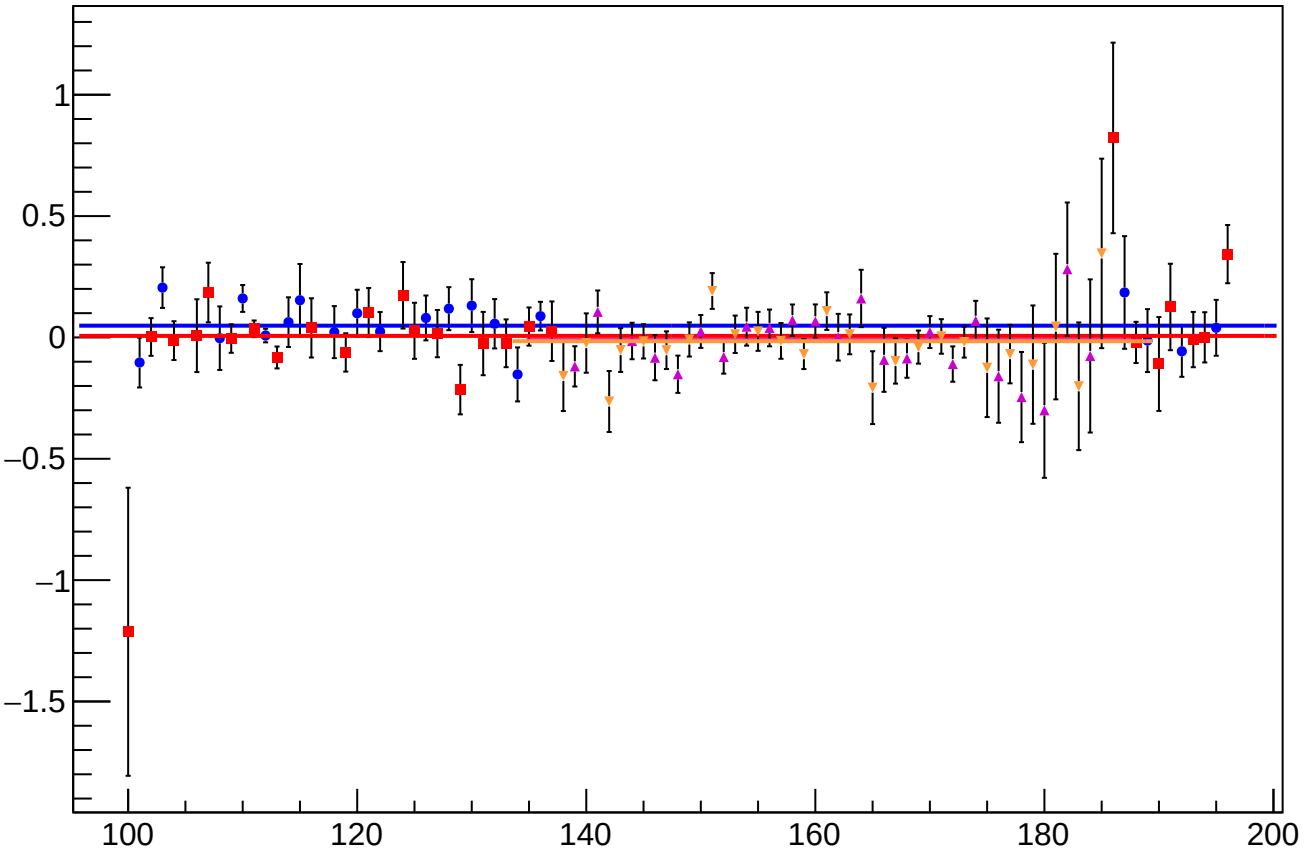
Right Out: 50.439+/-0.012 χ^2/NDF: 4586905.9/25

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.392+/-0.009 χ^2/NDF: 10929570.7/44

All: 59.422+/-0.006 χ^2/NDF: 19889178.4/93

- sign 60.445+/-0.009 χ^2/NDF: 8932070.2/48



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

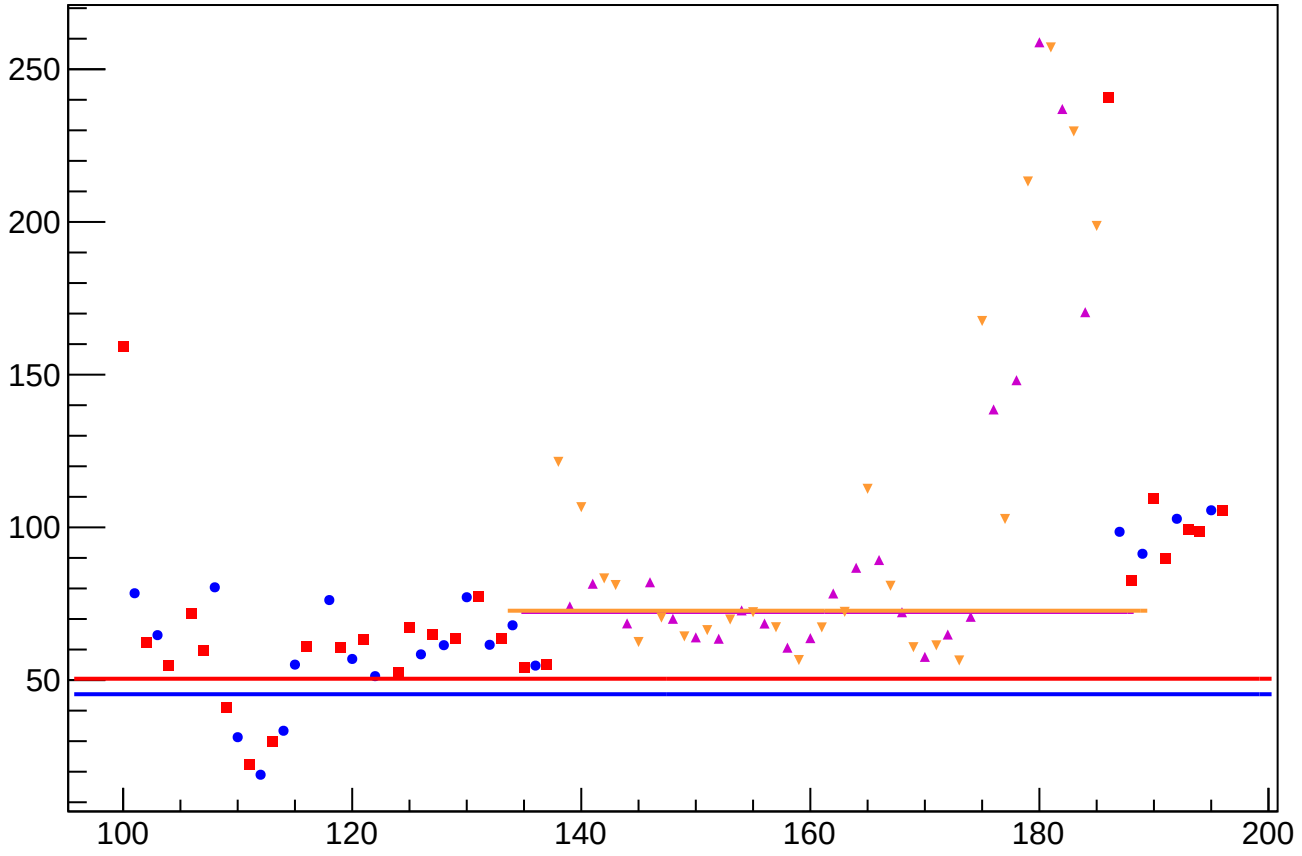
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.008+/-0.009 χ^2/NDF: 105.5/93

- 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: 45.372+/-0.012 χ^2/NDF: 4540354.7/19

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

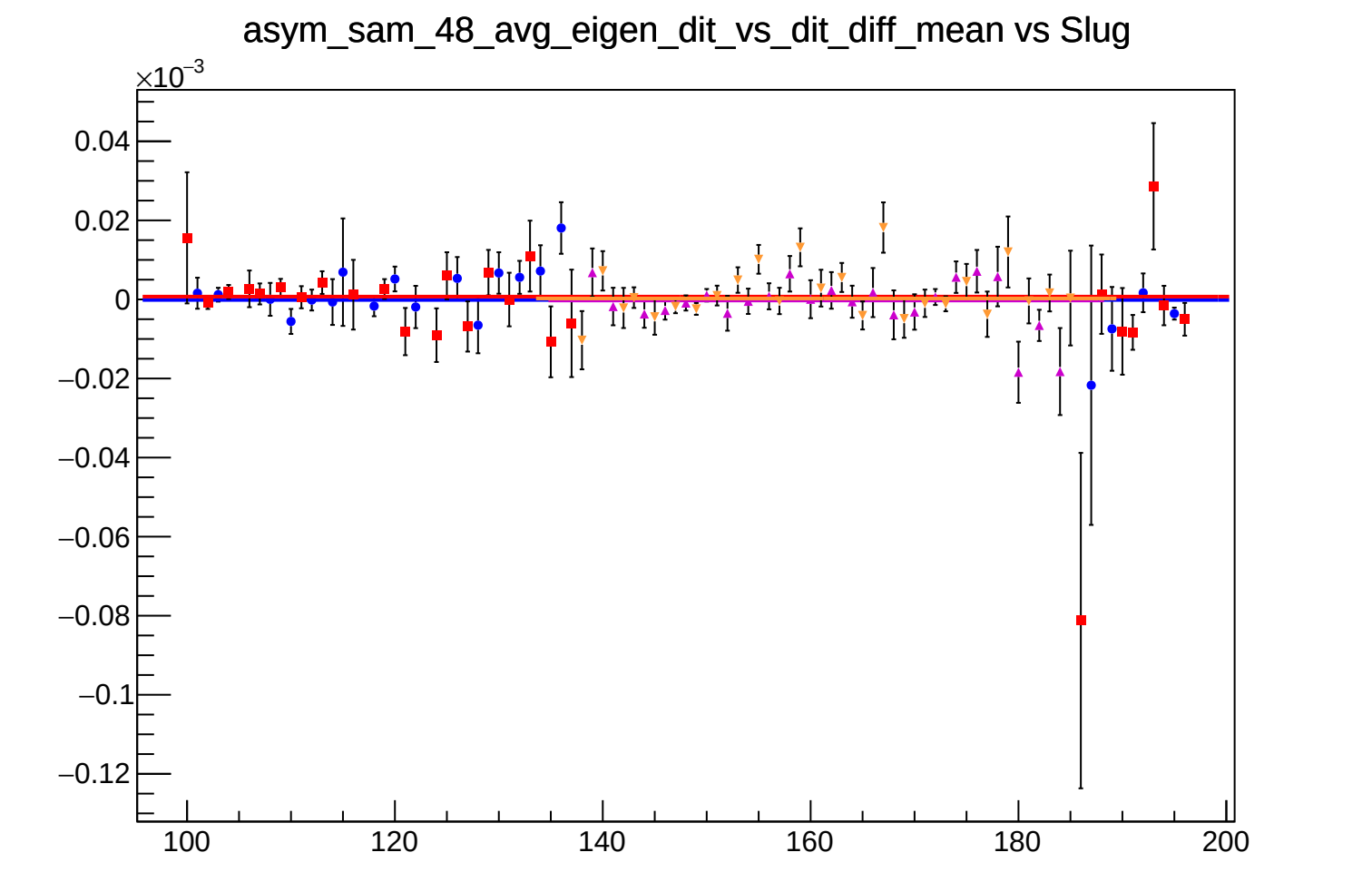
Right Out: 50.439+/-0.012 χ^2/NDF: 4586905.9/25

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

\+ sign 58.392+/-0.009 χ^2/NDF: 10929570.7/44

All: 59.422+/-0.006 χ^2/NDF: 19889178.4/93

\- sign 60.445+/-0.009 χ^2/NDF: 8932070.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

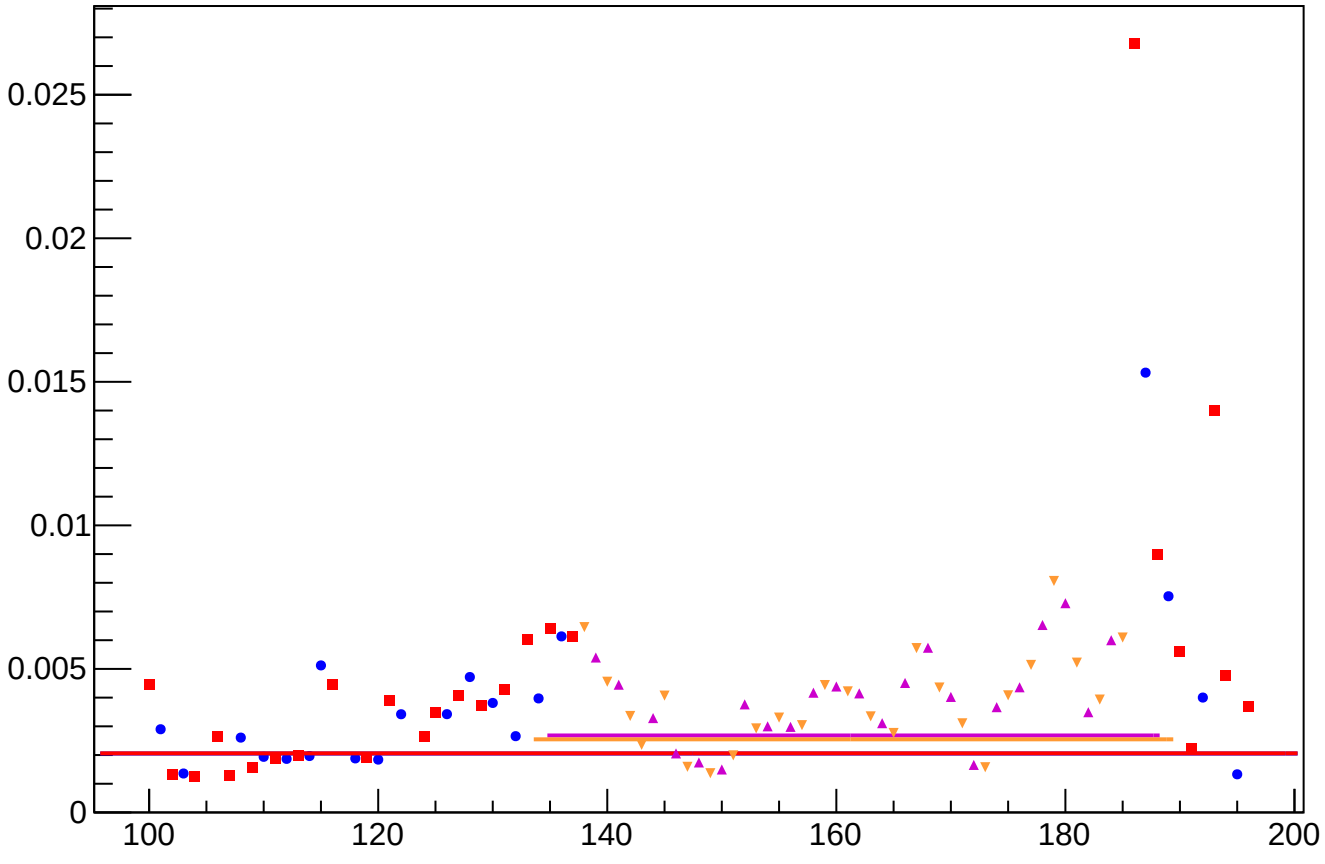
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/25

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.5/44

All: 0.000+/-0.000 χ^2/NDF: 126.7/93

- sign 0.000+/-0.000 χ^2/NDF: 55.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 3932396.4/19

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

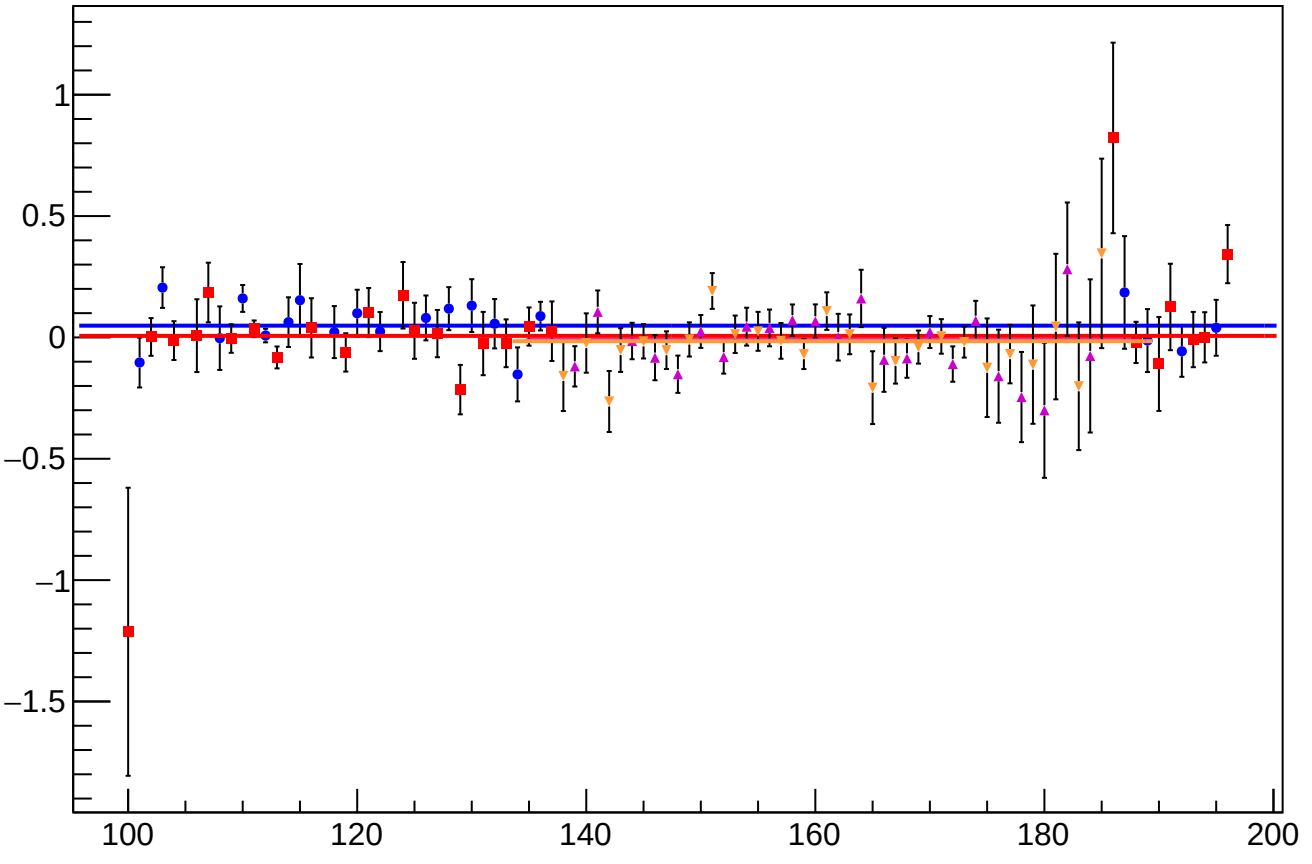
Right Out: 0.002+/-0.000 χ^2/NDF: 7148284.9/25

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 11914690.4/44

All: 0.002+/-0.000 χ^2/NDF: 26325275.1/93

- sign 0.002+/-0.000 χ^2/NDF: 14403957.7/48



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

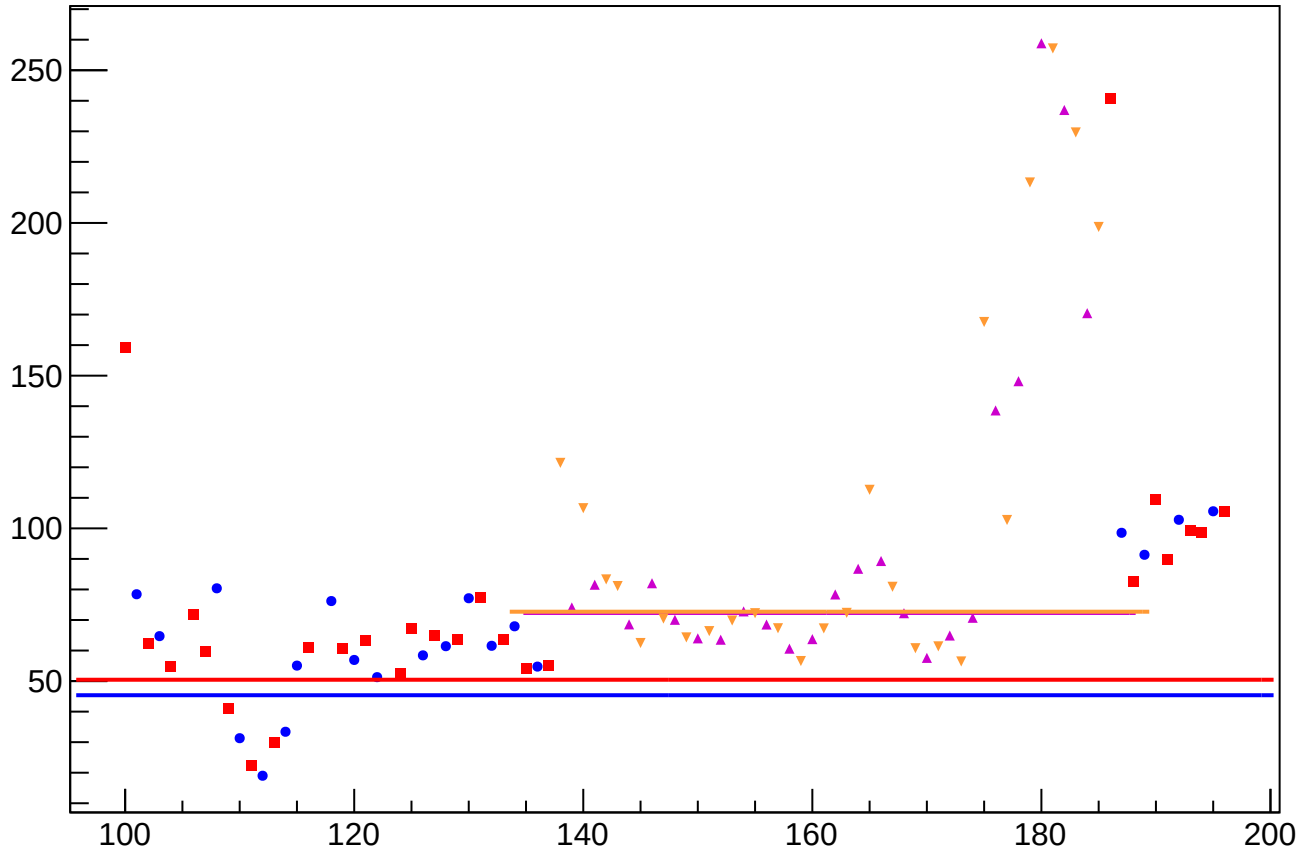
Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.008+/-0.009 χ^2/NDF: 105.5/93

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

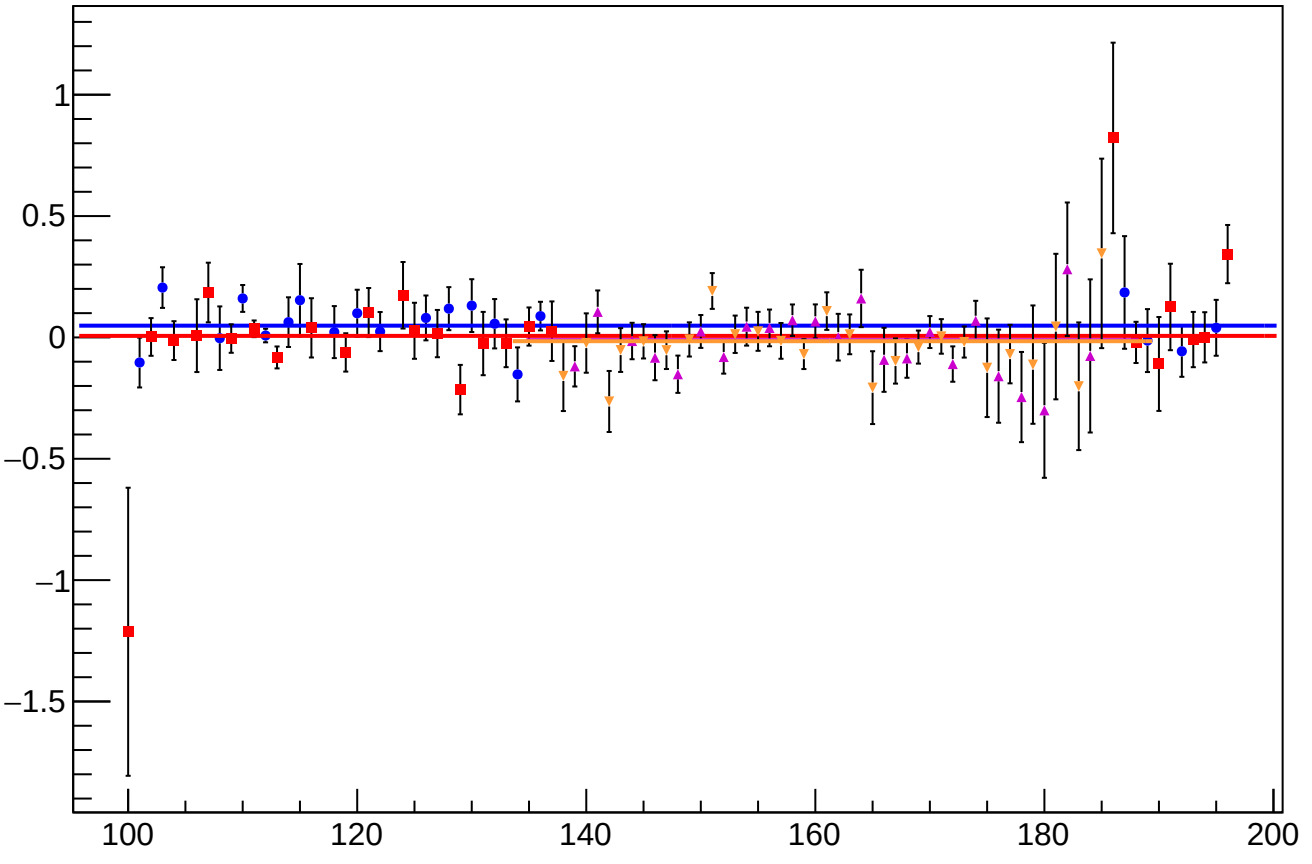
Right Out: 50.439+/-0.012 χ^2/NDF: 4587140.5/25

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.391+/-0.009 χ^2/NDF: 10929995.4/44

All: 59.421+/-0.006 χ^2/NDF: 19889994.2/93

- sign 60.444+/-0.009 χ^2/NDF: 8932458.9/48



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

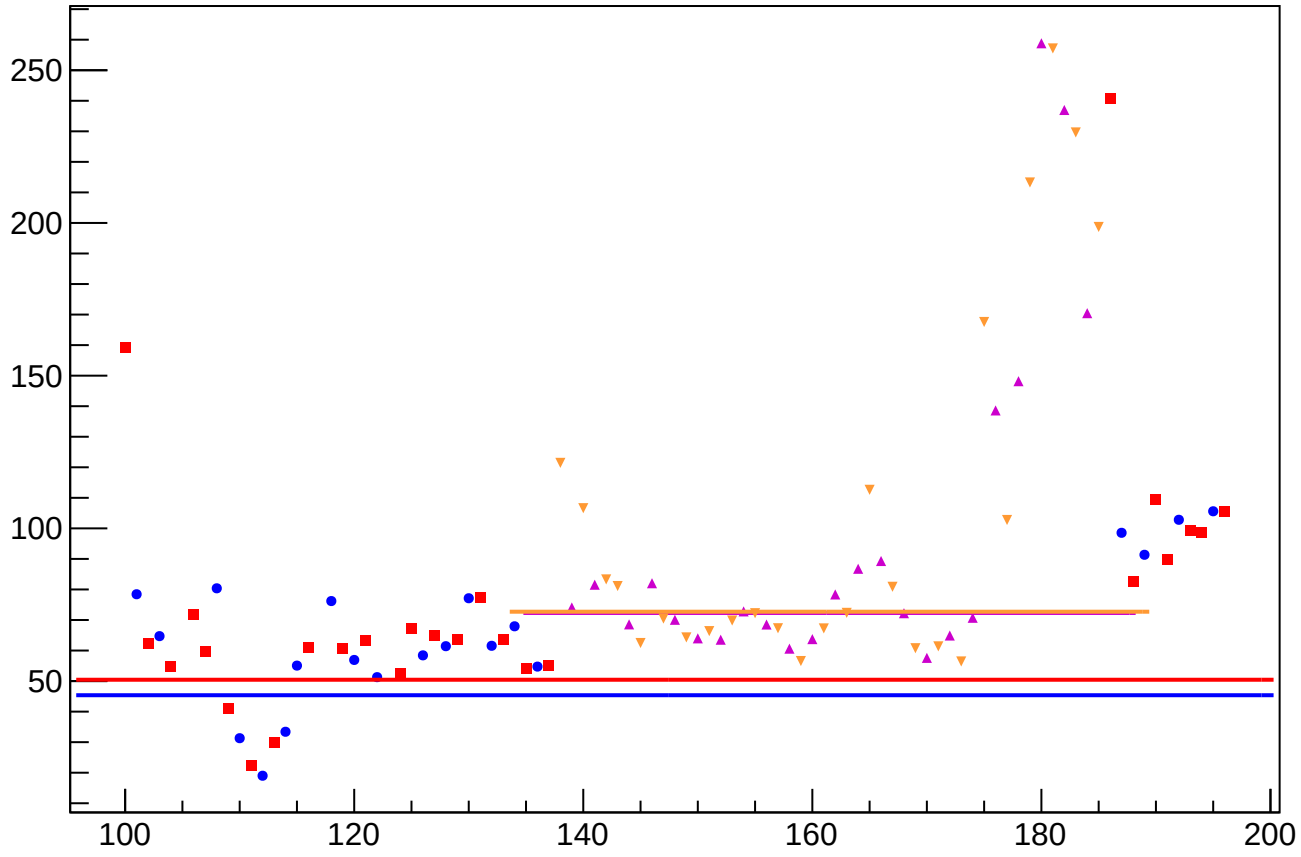
Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.008+/-0.009 χ^2/NDF: 105.5/93

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

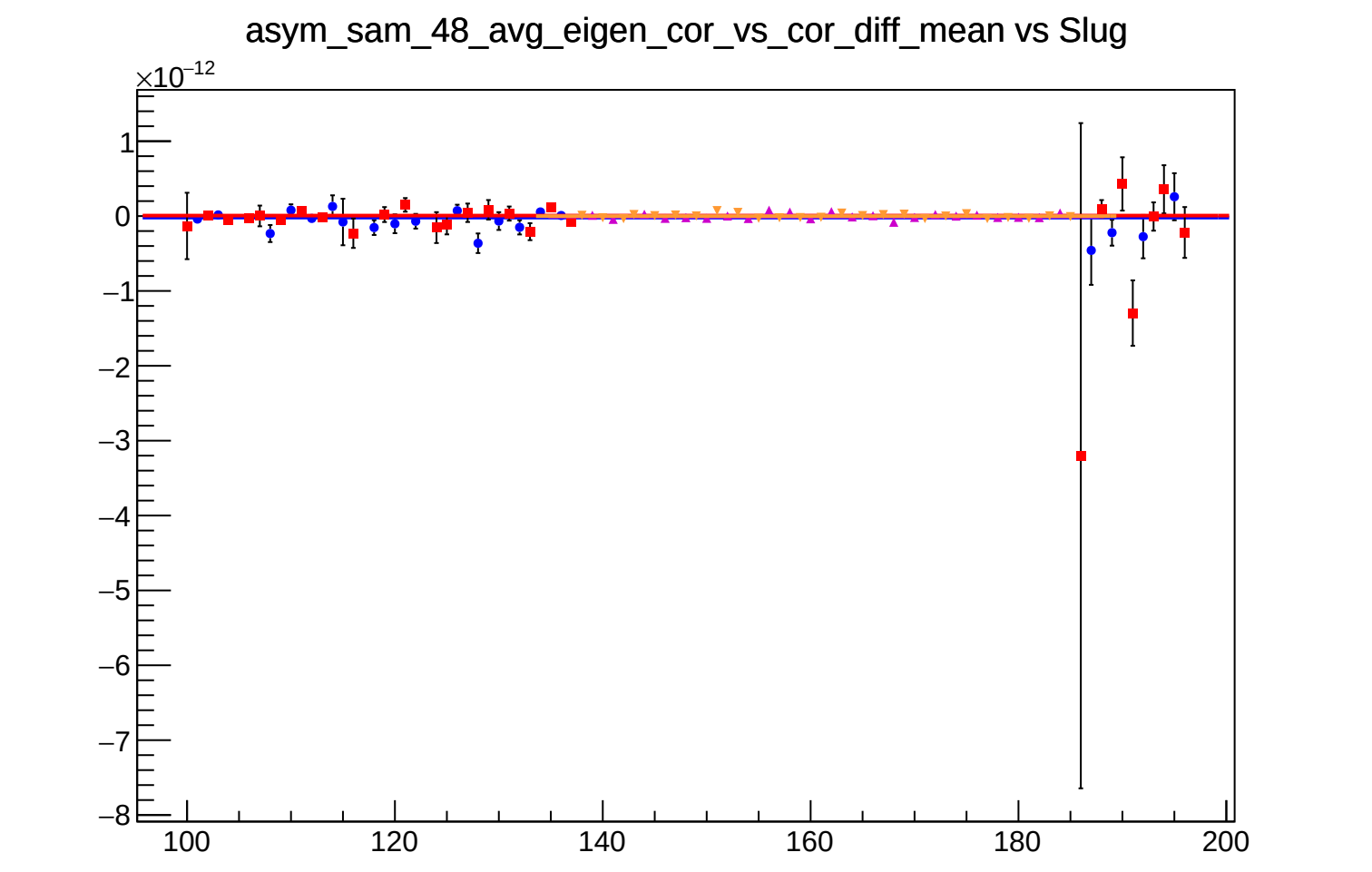
Right Out: 50.439+/-0.012 χ^2/NDF: 4587140.5/25

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.391+/-0.009 χ^2/NDF: 10929995.4/44

All: 59.421+/-0.006 χ^2/NDF: 19889994.2/93

- sign 60.444+/-0.009 χ^2/NDF: 8932458.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

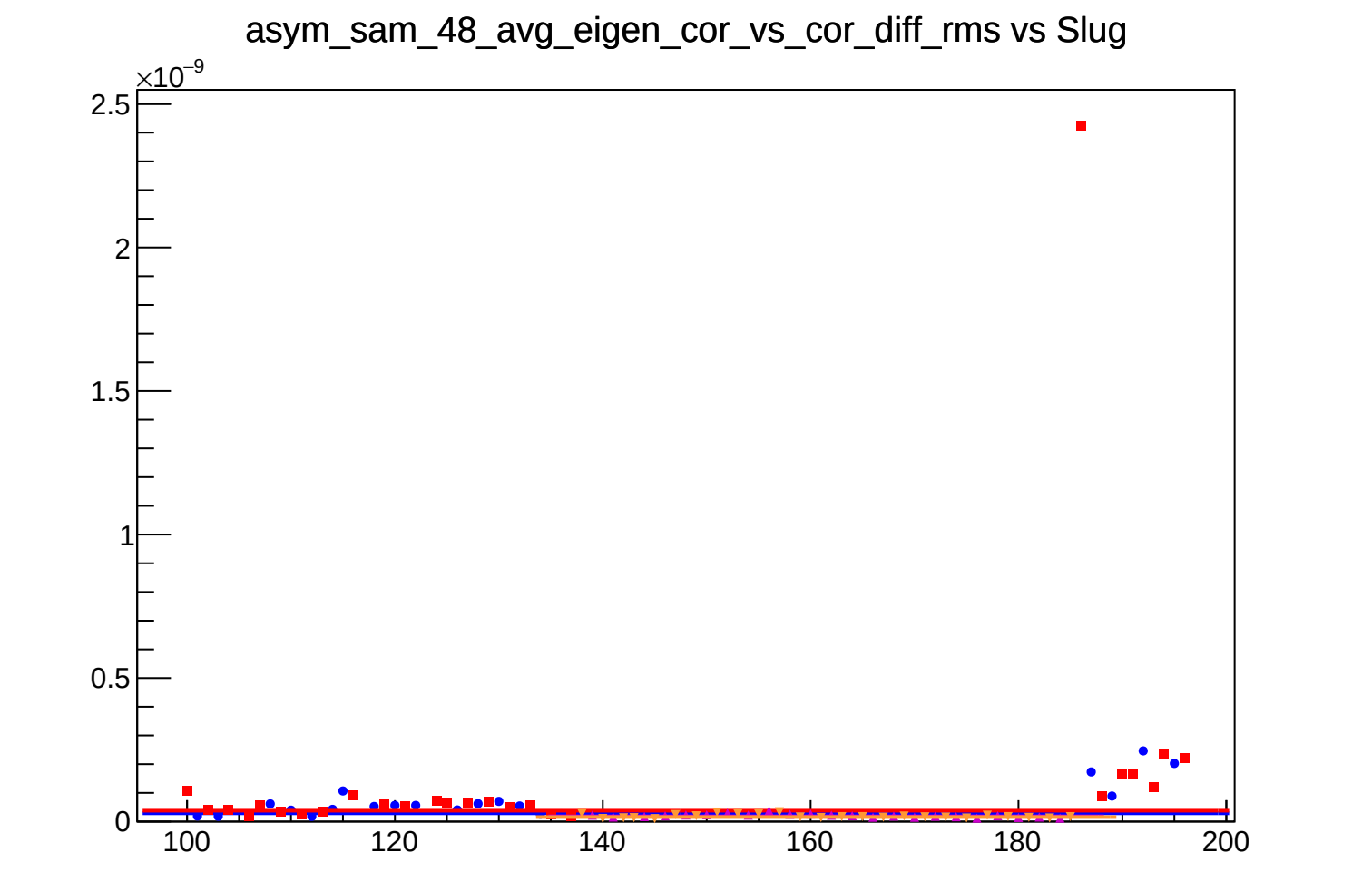
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/25

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/44

All: -0.000+/-0.000 χ^2/NDF: 131.6/93

- sign -0.000+/-0.000 χ^2/NDF: 75.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3994015.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4844239.1/25

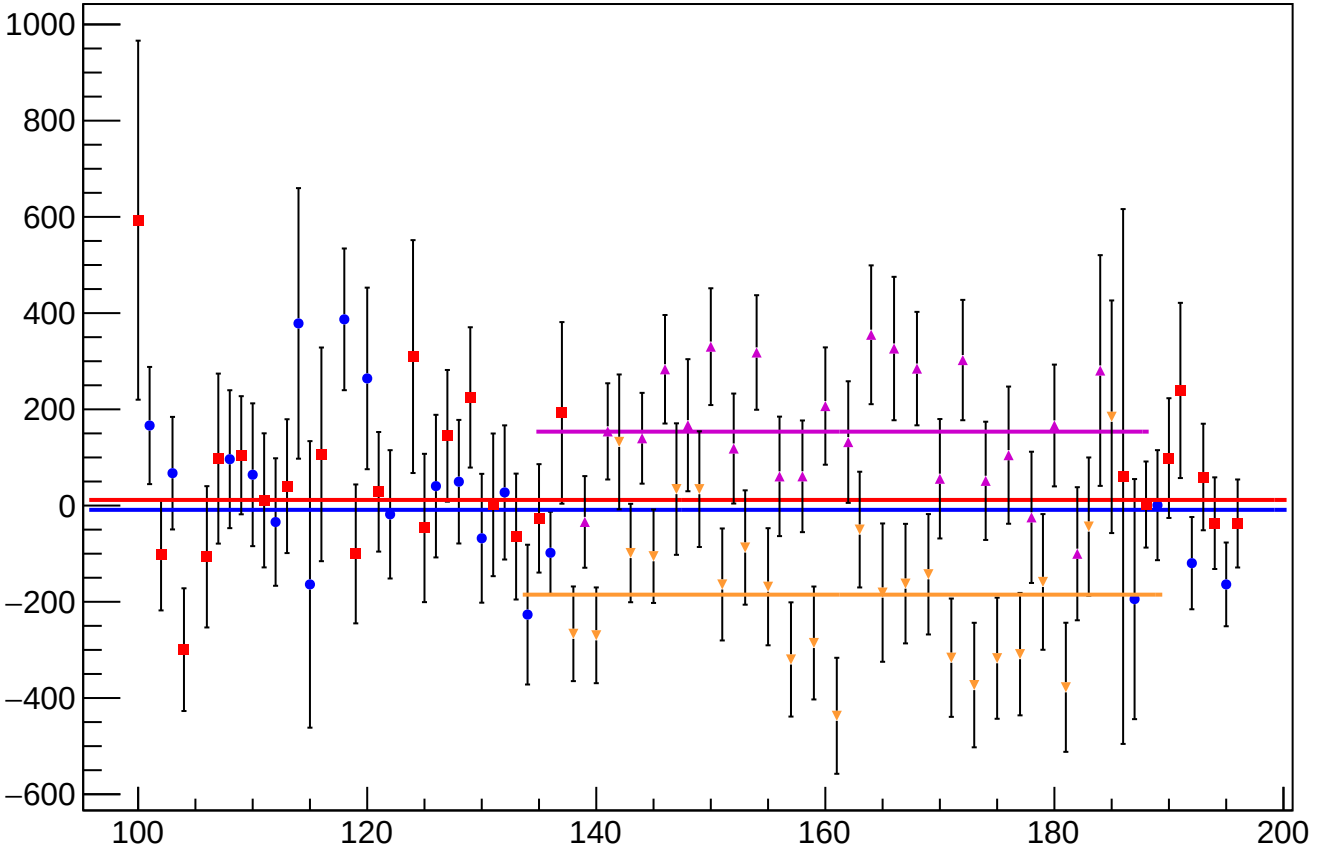
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7850400.4/44

All: 0.000+/-0.000 χ^2/NDF: 17354283.2/93

- sign 0.000+/-0.000 χ^2/NDF: 9113874.0/48

reg_asym_sam_15_dd_mean vs Slug



Right In: -8.889+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 11.711+/-26.448 χ^2/NDF: 20.6/25

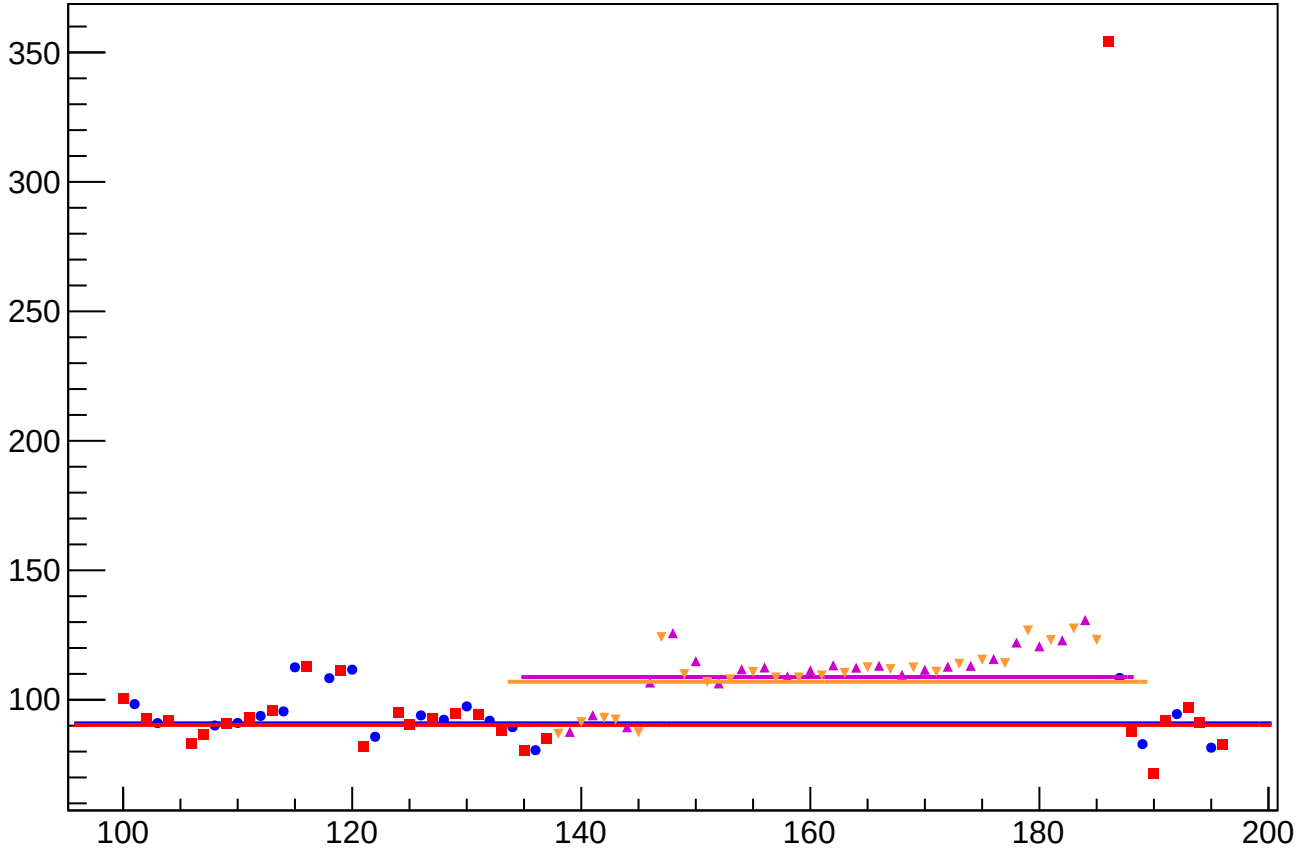
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.342+/-18.733 χ^2/NDF: 78.3/44

All: -11.668+/-13.117 χ^2/NDF: 194.0/93

- sign 85.154+/-18.372 χ^2/NDF: 59.0/48

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.290+/-0.019 χ^2/NDF: 626525.4/25

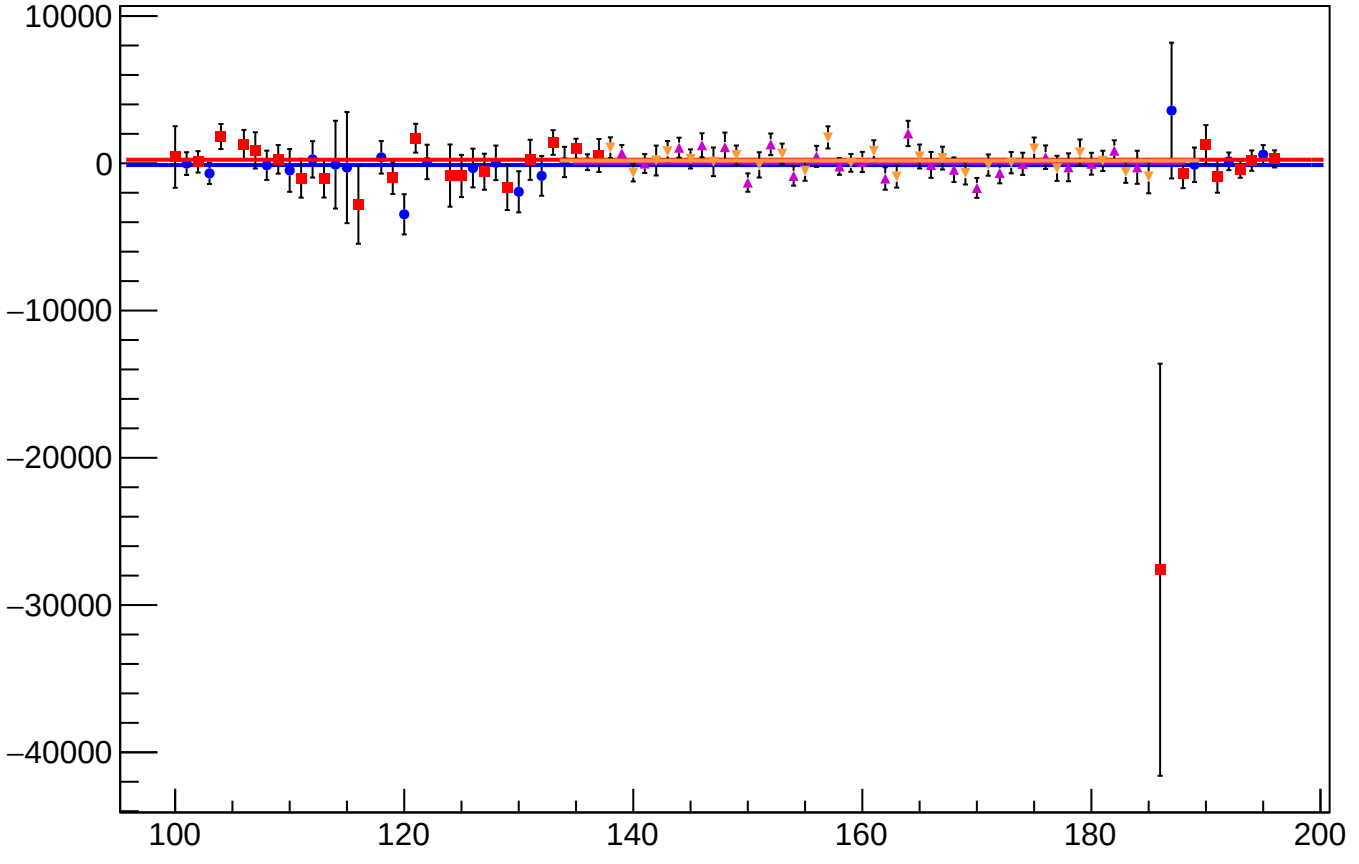
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 100.323+/-0.013 χ^2/NDF: 976616.6/44

All: 100.086+/-0.009 χ^2/NDF: 2468063.1/93

- sign 99.859+/-0.013 χ^2/NDF: 1490822.8/48

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -119.866+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 242.709+/-193.456 χ^2/NDF: 25.5/25

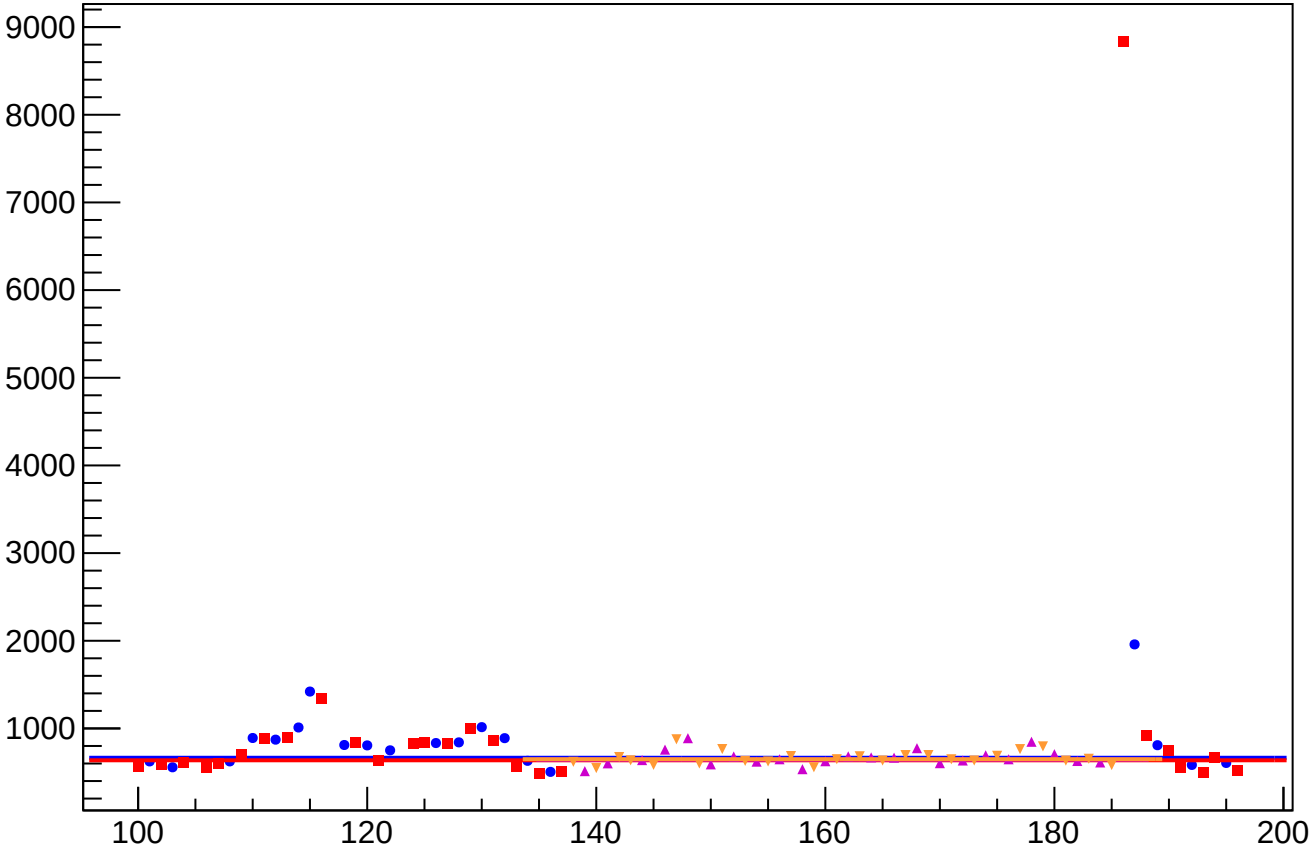
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 90.028+/-123.189 χ^2/NDF: 31.6/44

All: 105.164+/-85.792 χ^2/NDF: 91.6/93

- sign 119.419+/-119.550 χ^2/NDF: 59.9/48

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 665.467+/-0.155 χ^2/NDF: 1014352.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 636.759+/-0.137 χ^2/NDF: 1886911.7/25

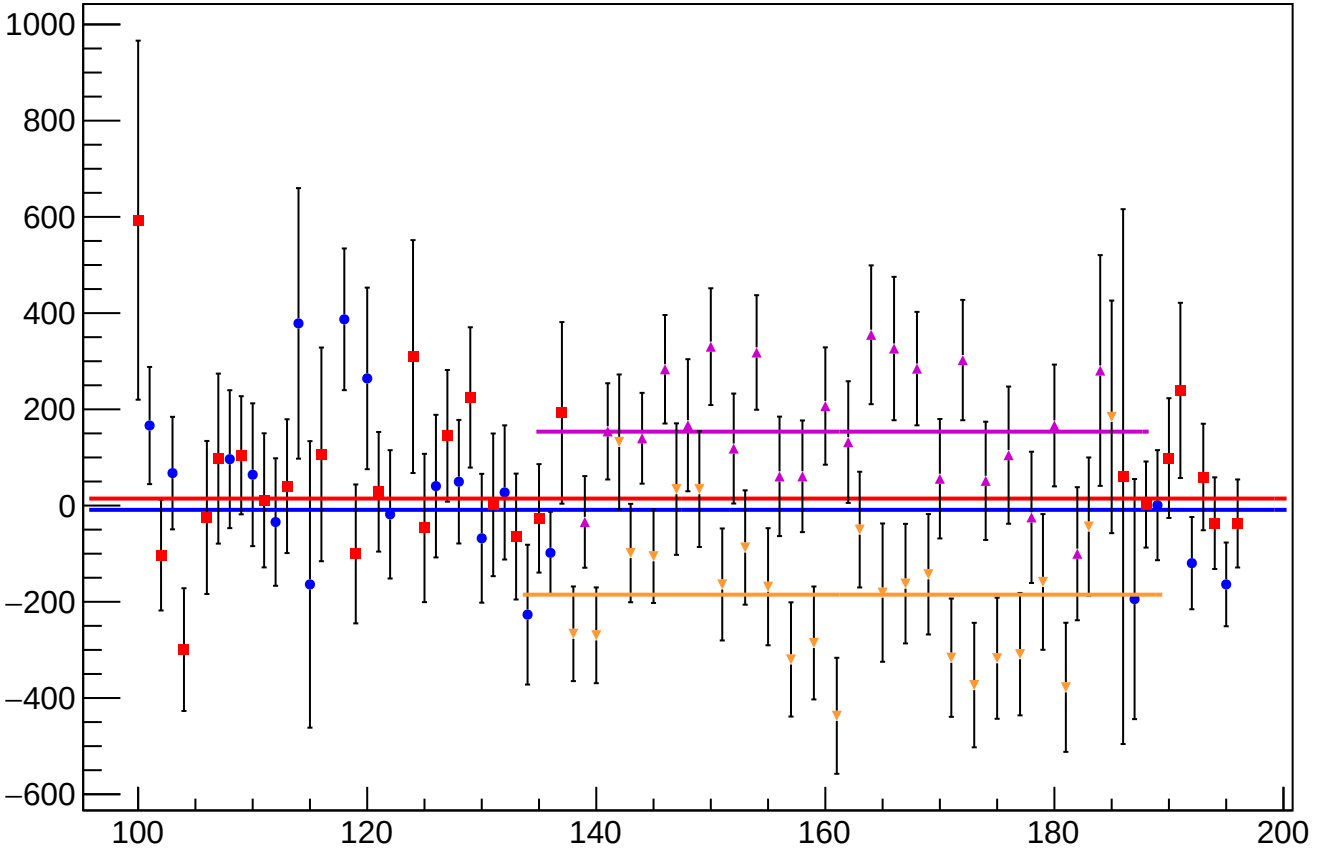
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440250.3/44

All: 647.601+/-0.061 χ^2/NDF: 3899578.2/93

- sign 641.280+/-0.085 χ^2/NDF: 2447798.1/48

cor_asym_sam_15_dd_mean vs Slug



Right In: -8.880+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 14.550+/-26.512 χ^2/NDF: 20.0/25

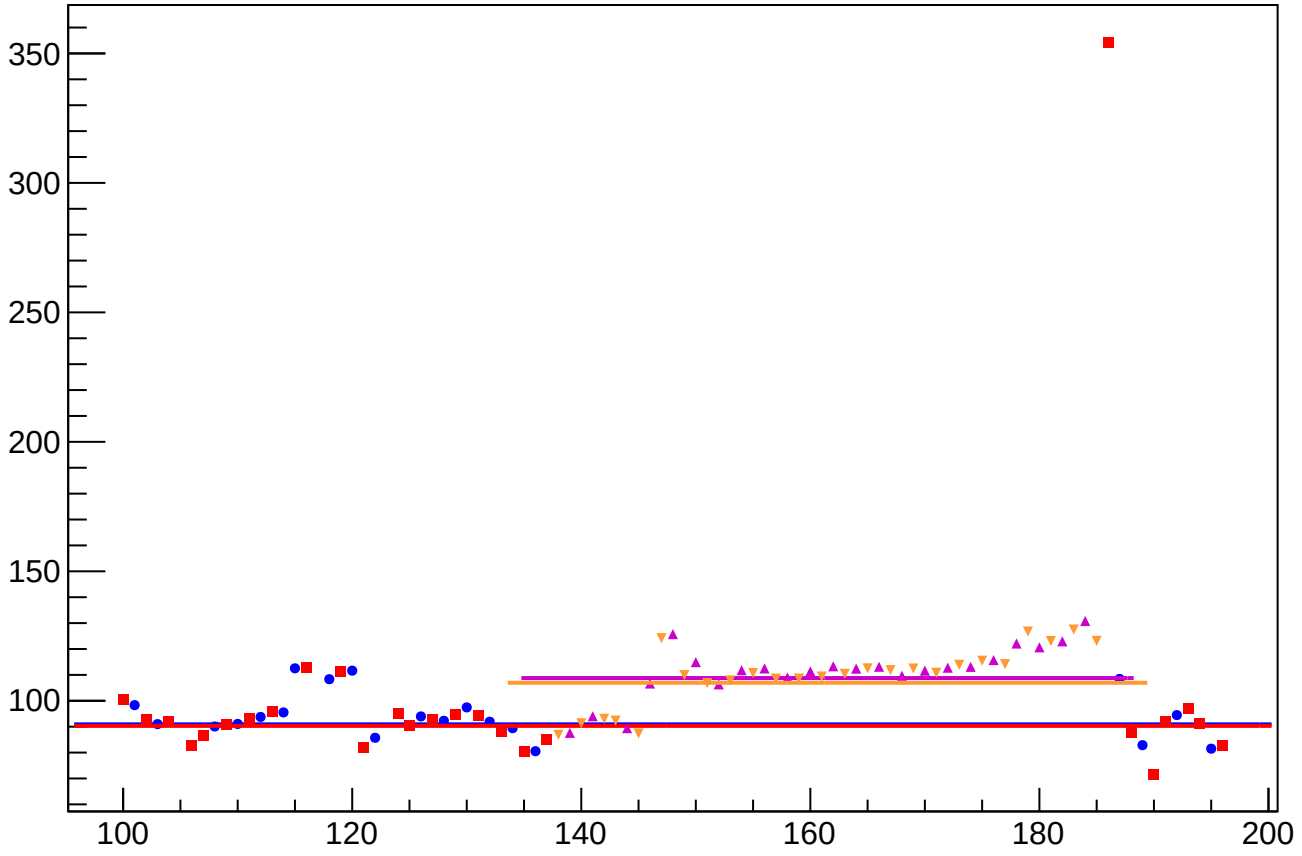
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.339+/-18.733 χ^2/NDF: 78.3/44

All: -10.997+/-13.124 χ^2/NDF: 193.6/93

- sign 86.693+/-18.393 χ^2/NDF: 57.8/48

cor_asym_sam_15_dd_rms vs Slug



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.309+/-0.019 χ^2/NDF: 626471.5/25

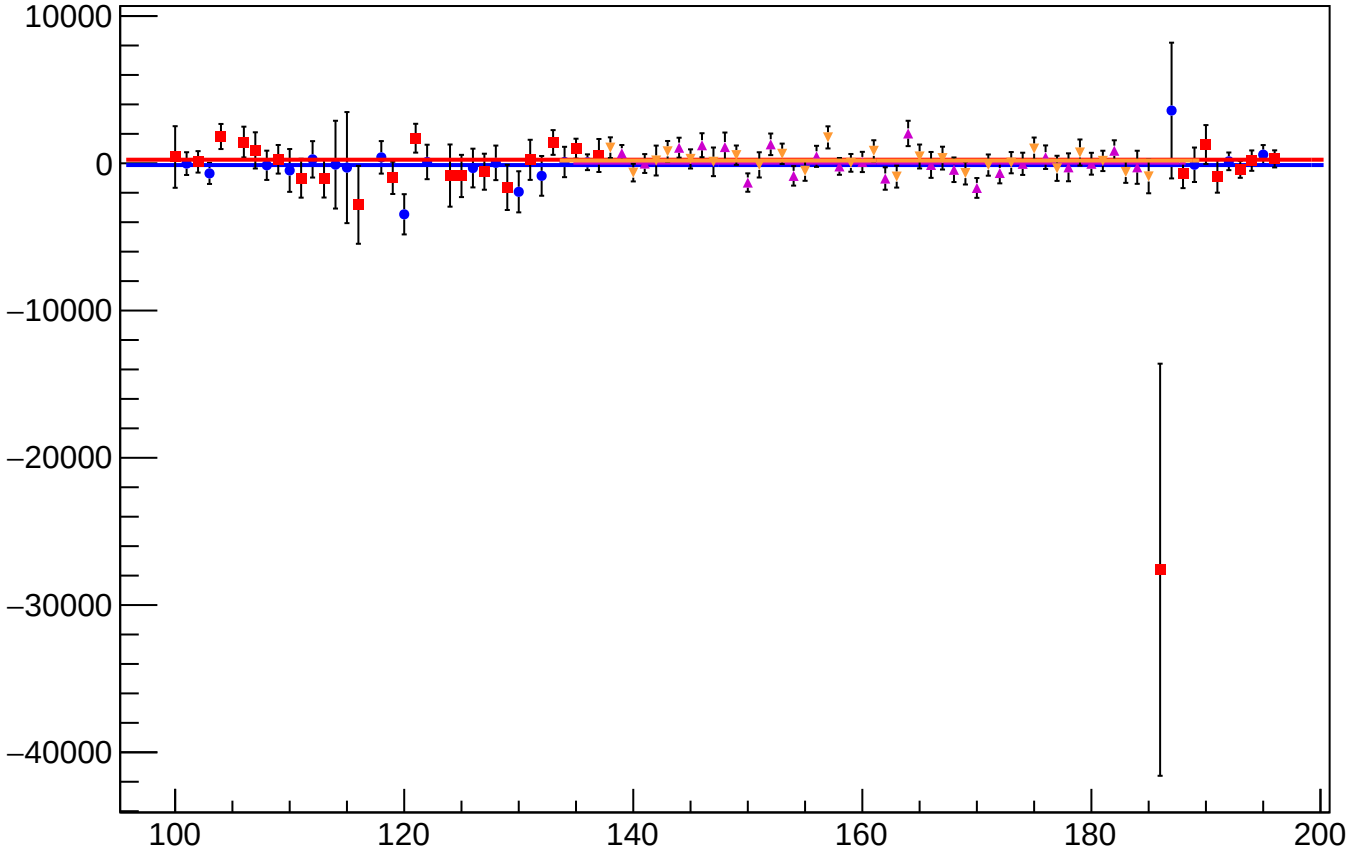
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 100.323+/-0.013 χ^2/NDF: 976616.5/44

All: 100.103+/-0.009 χ^2/NDF: 2465627.0/93

- sign 99.891+/-0.013 χ^2/NDF: 1488468.9/48

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -119.865+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 244.120+/-193.845 χ^2/NDF: 25.7/25

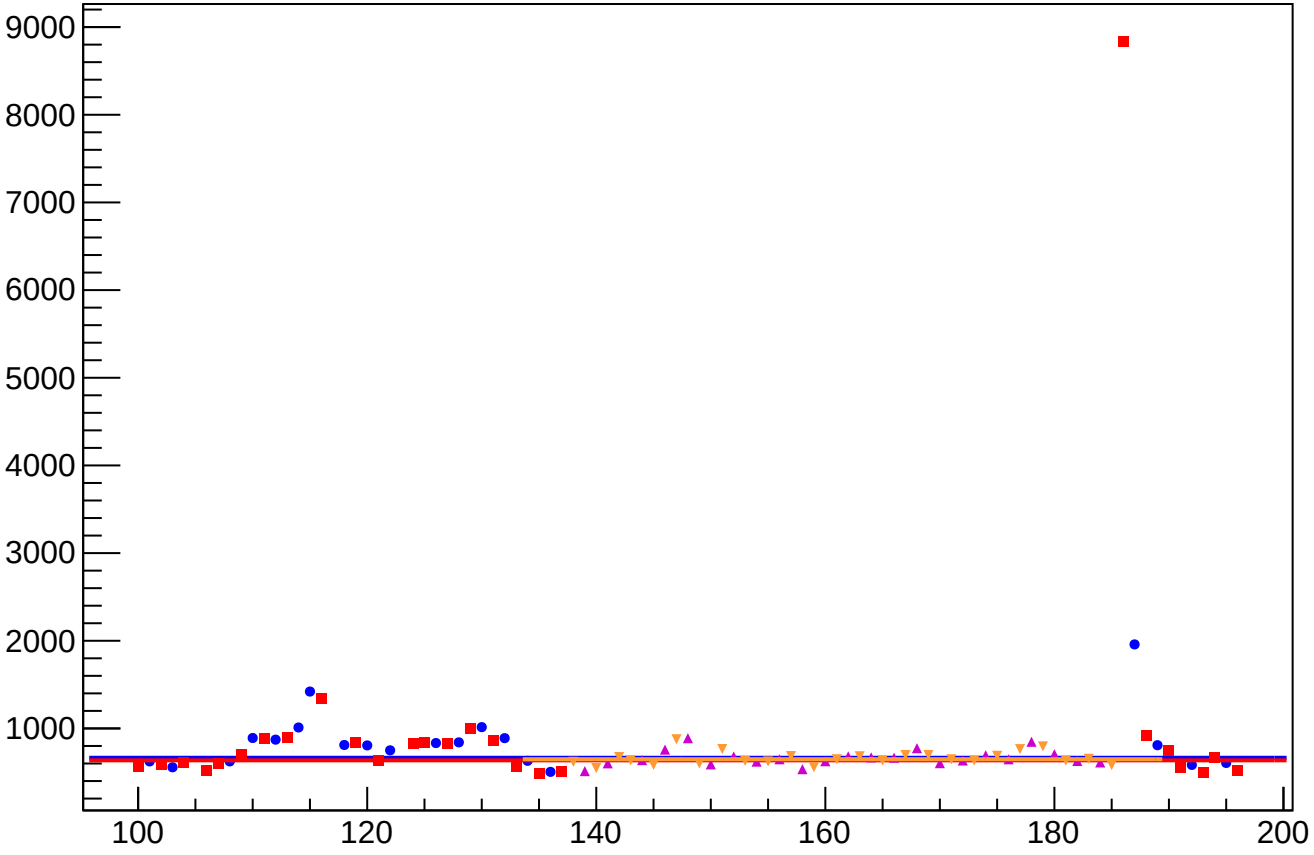
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 90.024+/-123.189 χ^2/NDF: 31.6/44

All: 105.331+/-85.826 χ^2/NDF: 91.8/93

- sign 119.770+/-119.641 χ^2/NDF: 60.1/48

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 665.467+/-0.155 χ^2/NDF: 1014353.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 636.144+/-0.137 χ^2/NDF: 1895575.3/25

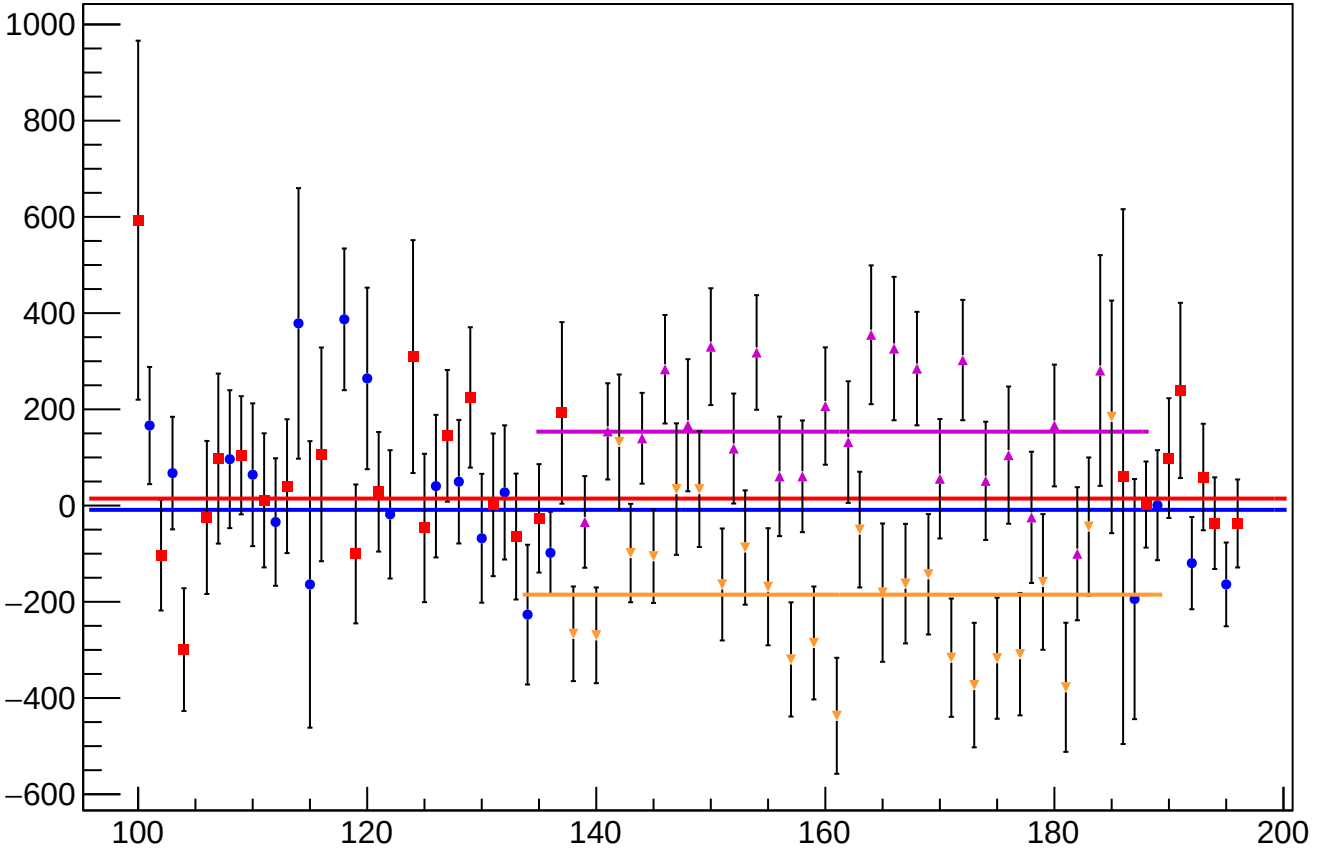
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440251.6/44

All: 647.489+/-0.061 χ^2/NDF: 3908946.4/93

- sign 641.052+/-0.085 χ^2/NDF: 2456767.6/48

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -8.880+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 14.550+/-26.512 χ^2/NDF: 20.0/25

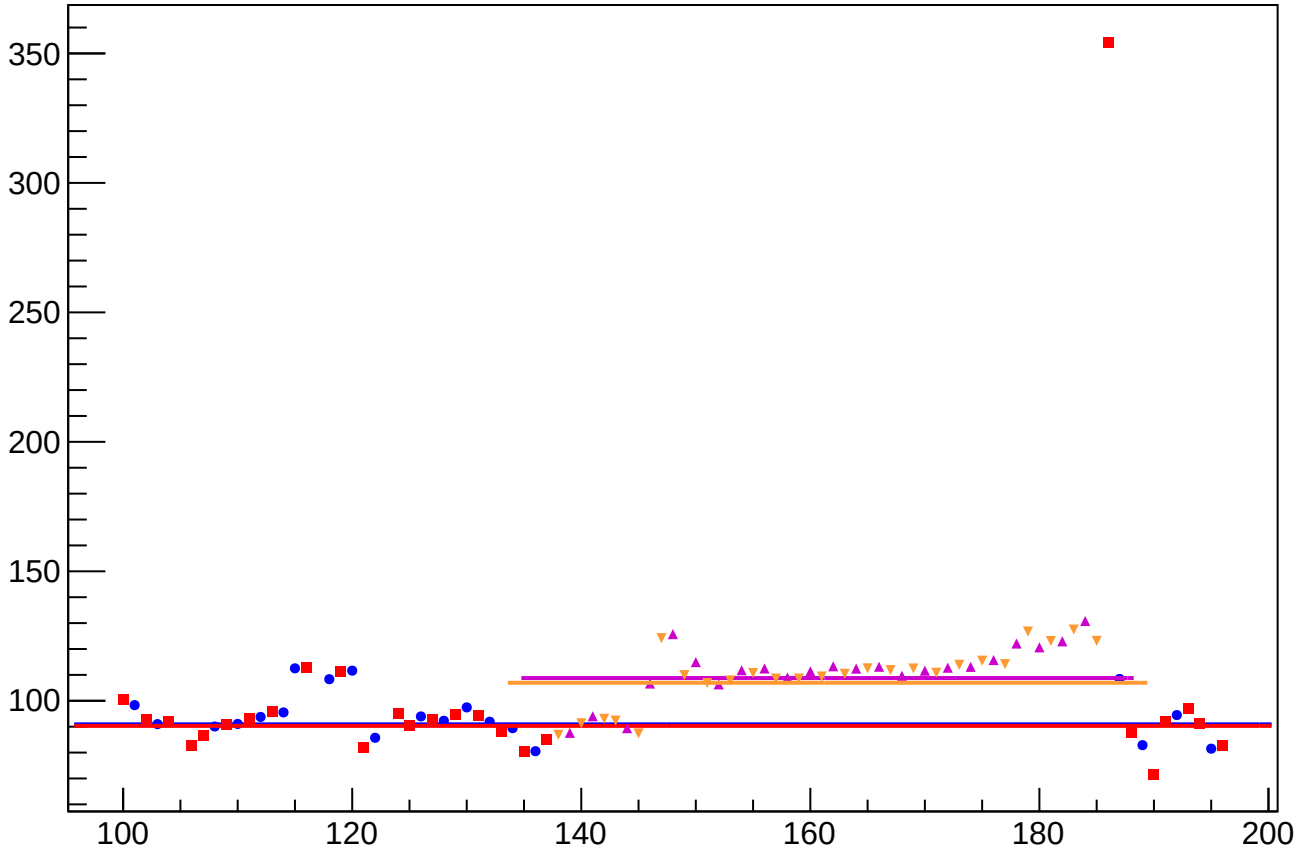
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.339+/-18.733 χ^2/NDF: 78.3/44

All: -10.997+/-13.124 χ^2/NDF: 193.6/93

- sign 86.693+/-18.393 χ^2/NDF: 57.8/48

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

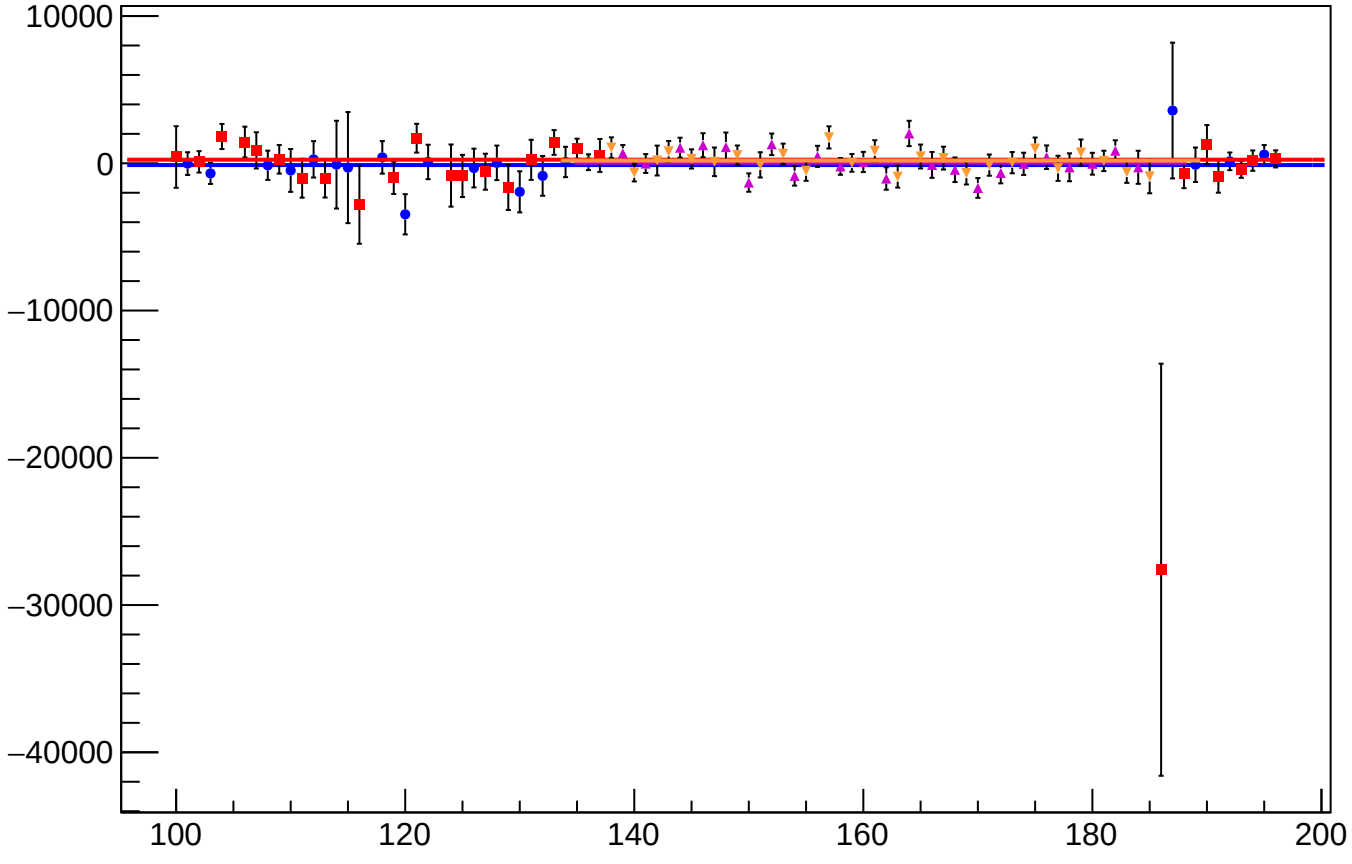
Right Out: 90.309+/-0.019 χ^2/NDF: 626471.5/25

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 100.323+/-0.013 χ^2/NDF: 976616.5/44

All: 100.103+/-0.009 χ^2/NDF: 2465627.0/93

- sign 99.891+/-0.013 χ^2/NDF: 1488468.9/48



Right In: -119.865+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 244.120+/-193.845 χ^2/NDF: 25.7/25

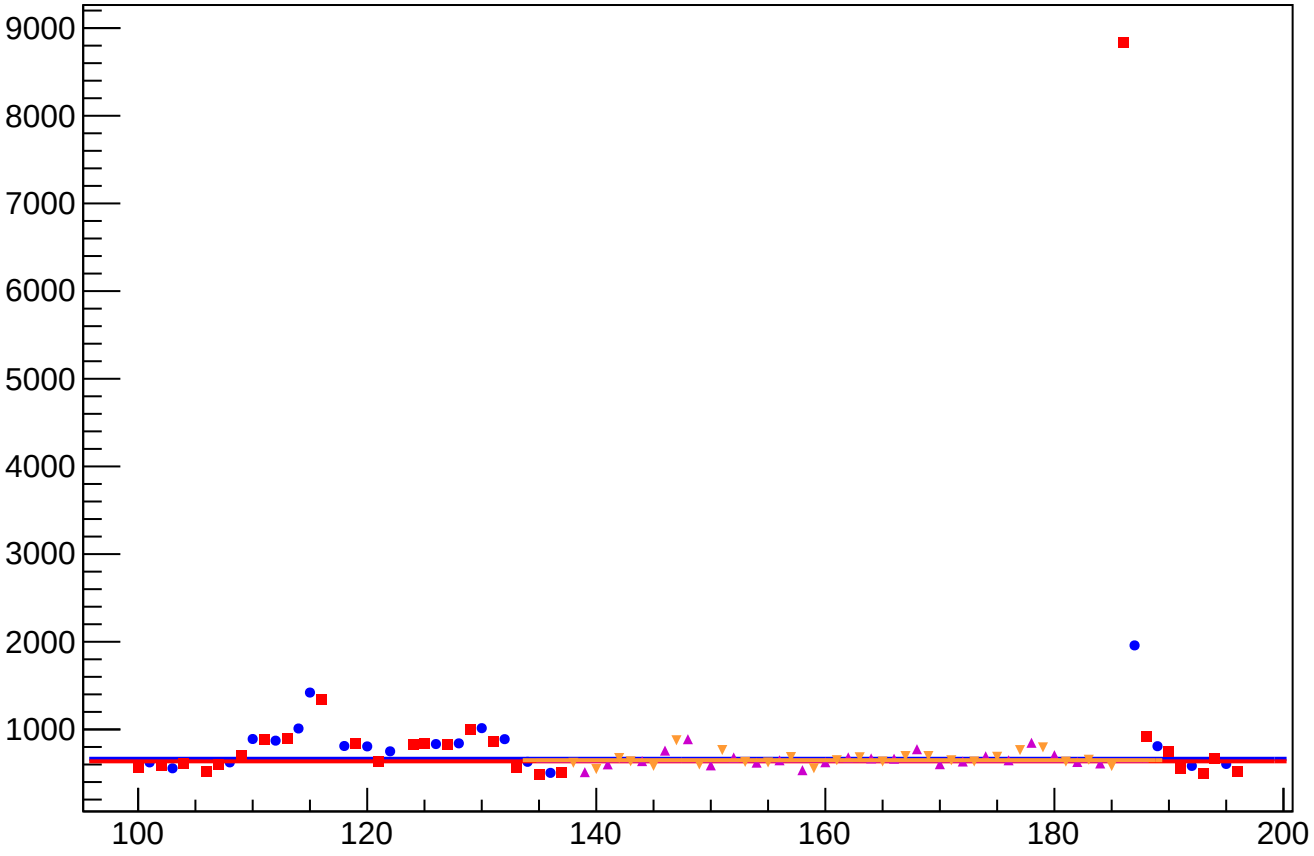
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 90.024+/-123.189 χ^2/NDF: 31.6/44

All: 105.331+/-85.826 χ^2/NDF: 91.8/93

- sign 119.770+/-119.641 χ^2/NDF: 60.1/48

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 665.467+/-0.155 χ^2/NDF: 1014353.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 636.144+/-0.137 χ^2/NDF: 1895575.3/25

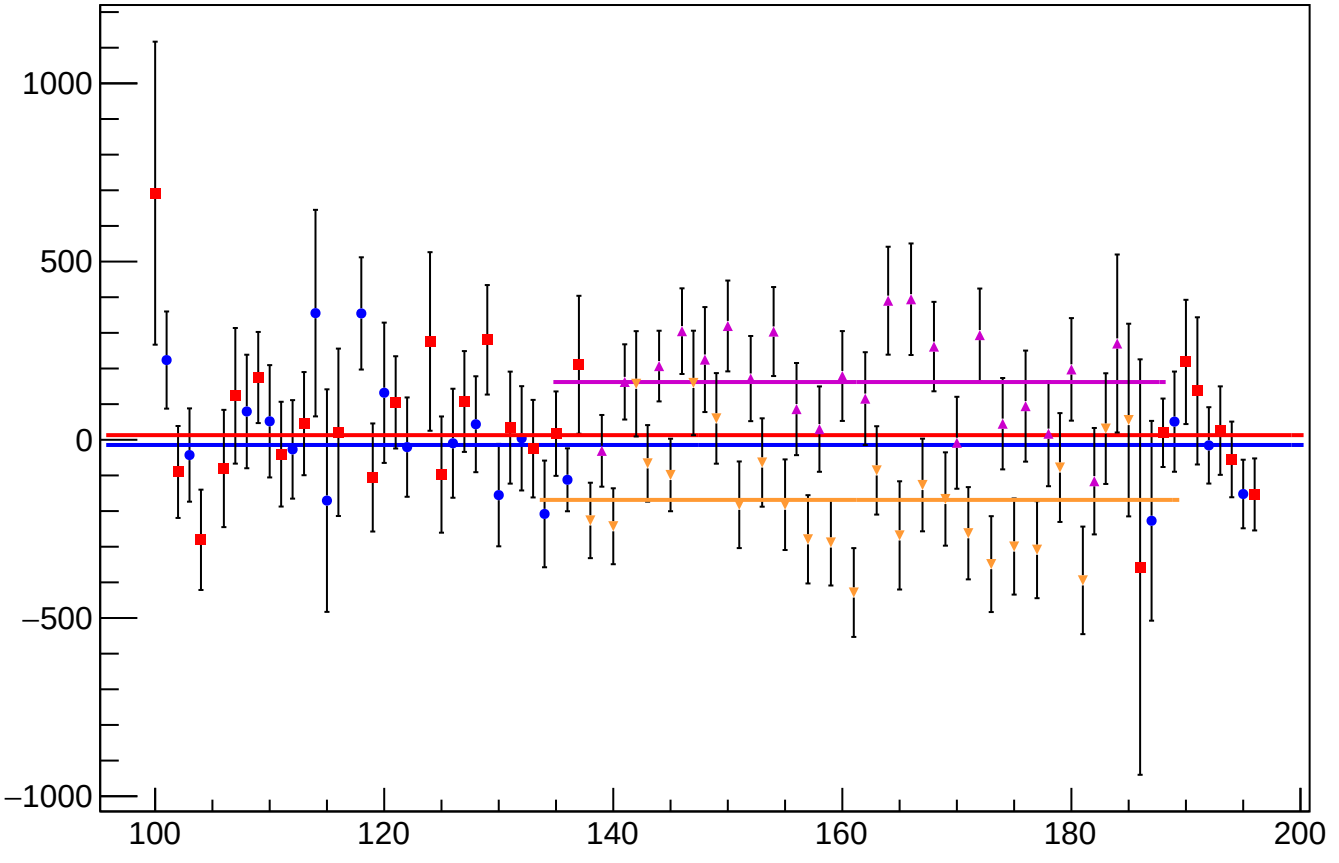
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440251.6/44

All: 647.489+/-0.061 χ^2/NDF: 3908946.4/93

- sign 641.052+/-0.085 χ^2/NDF: 2456767.6/48

dit_asym_sam_15_dd_mean vs Slug



Right In: -14.532+/-31.484 χ^2/NDF: 18.5/19

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.047+/-28.696 χ^2/NDF: 22.6/25

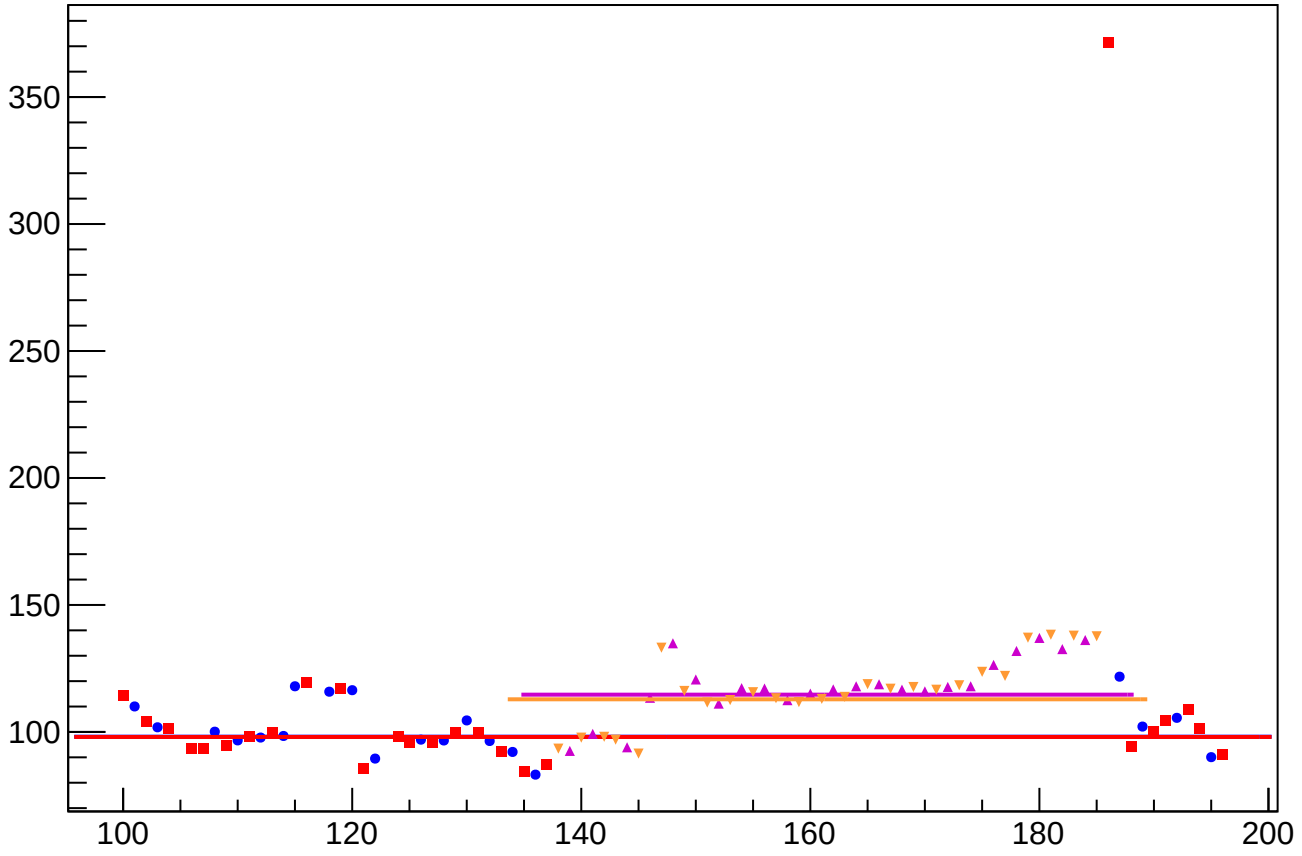
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -106.670+/-19.965 χ^2/NDF: 65.2/44

All: -5.617+/-14.002 χ^2/NDF: 176.1/93

- sign 92.213+/-19.644 χ^2/NDF: 60.5/48

dit_asym_sam_15_dd_rms vs Slug



Right In: 98.128+/-0.022 χ^2/NDF: 180329.5/19

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.019+/-0.020 χ^2/NDF: 588601.9/25

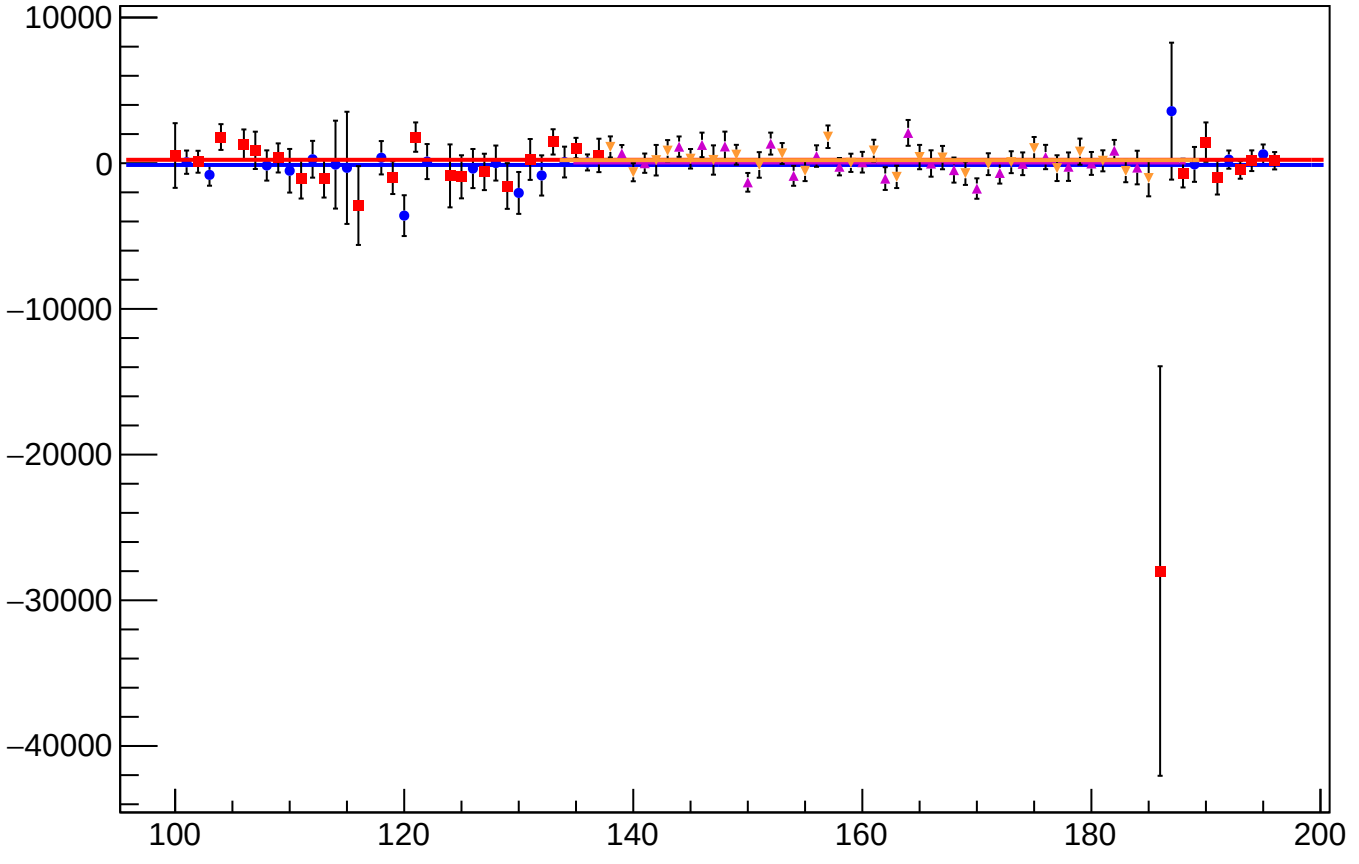
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.930+/-0.014 χ^2/NDF: 954045.8/44

All: 106.900+/-0.010 χ^2/NDF: 2310720.8/93

- sign 106.871+/-0.014 χ^2/NDF: 1356666.2/48

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -119.656+/-226.524 χ^2/NDF: 11.8/19

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 233.990+/-199.888 χ^2/NDF: 25.4/25

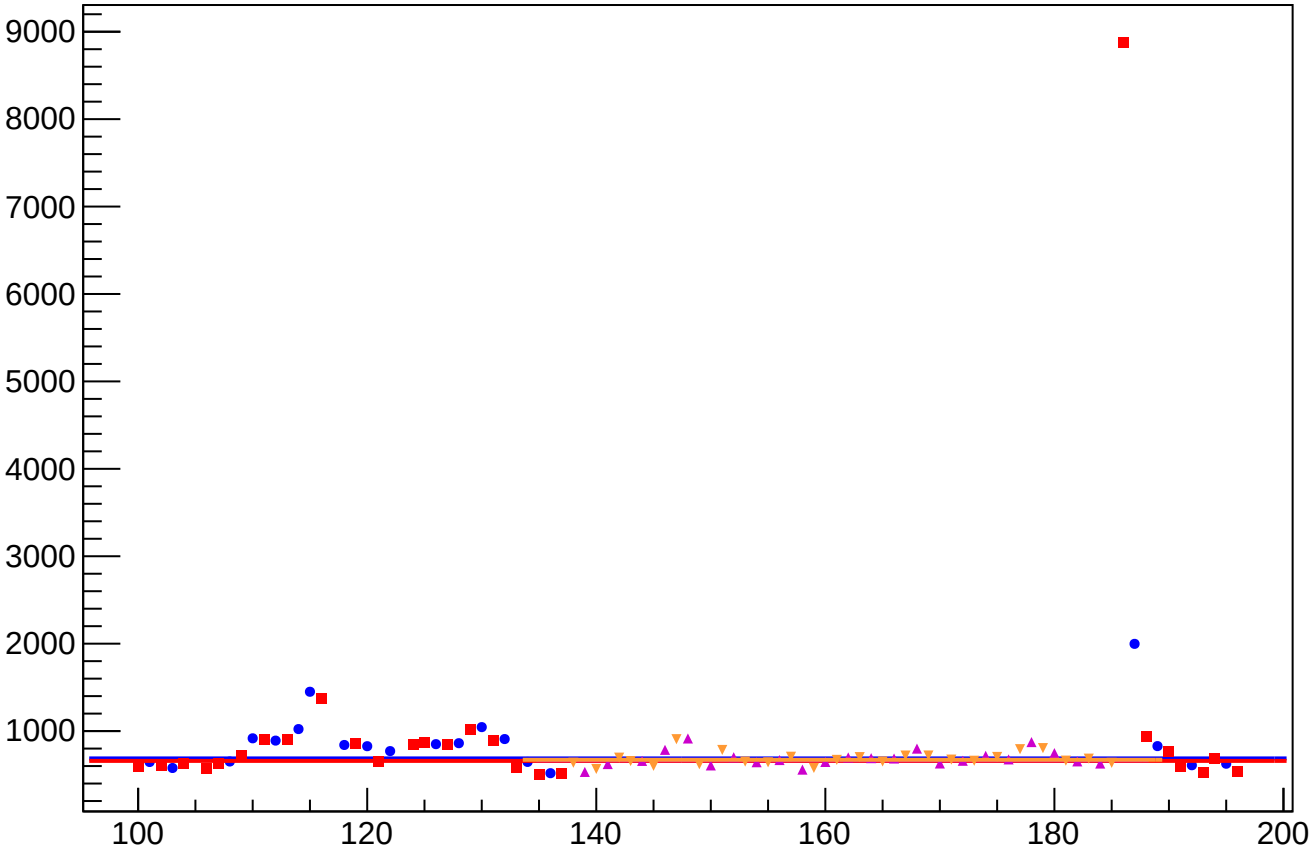
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 105.441+/-127.314 χ^2/NDF: 32.2/44

All: 113.255+/-88.721 χ^2/NDF: 91.4/93

- sign 120.632+/-123.704 χ^2/NDF: 59.2/48

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 687.343+/-0.160 χ^2/NDF: 988777.9/19

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 659.092+/-0.141 χ^2/NDF: 1828356.9/25

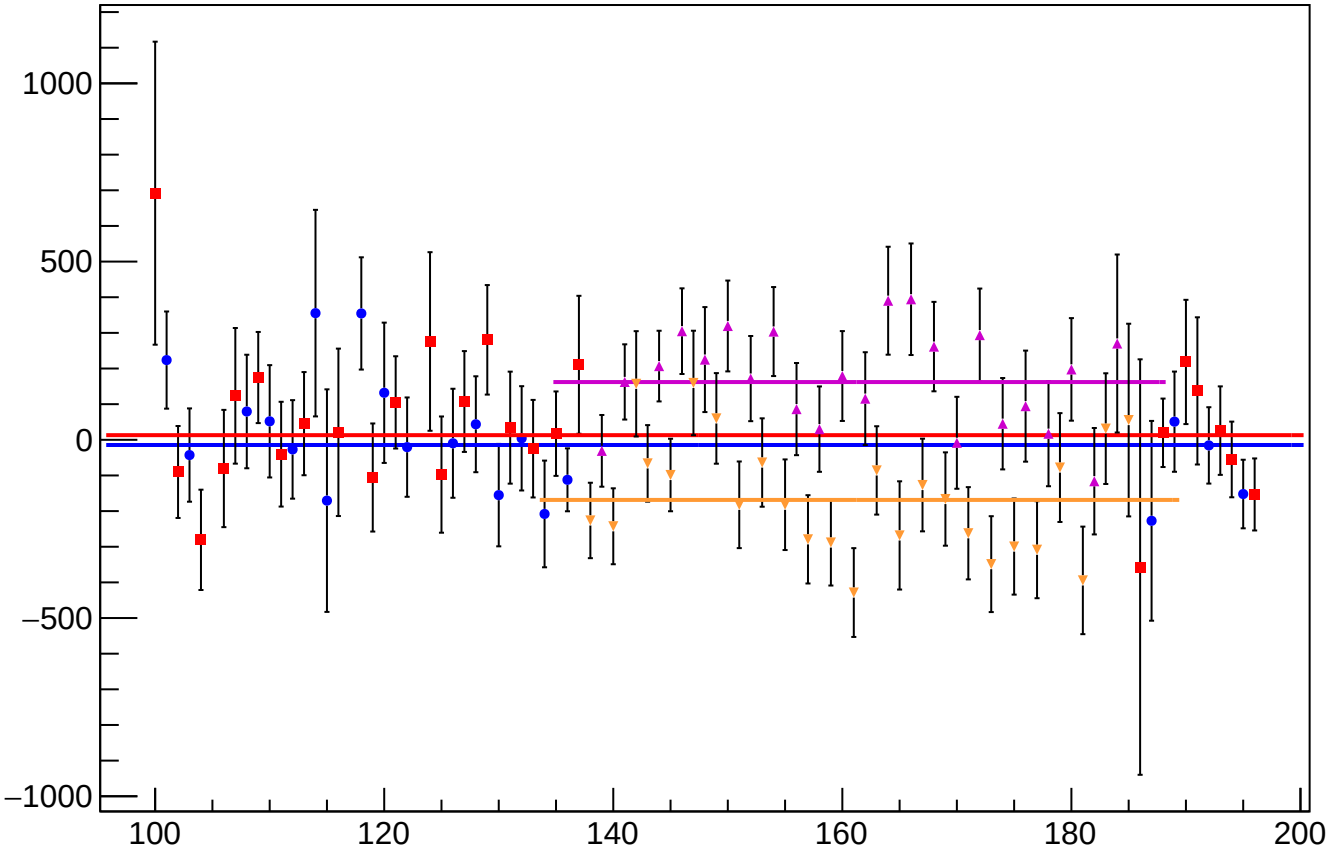
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 676.743+/-0.090 χ^2/NDF: 1394339.4/44

All: 670.282+/-0.063 χ^2/NDF: 3781716.3/93

- sign 664.182+/-0.087 χ^2/NDF: 2377362.4/48

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -14.531+/-31.484 χ^2/NDF: 18.5/19

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.048+/-28.696 χ^2/NDF: 22.6/25

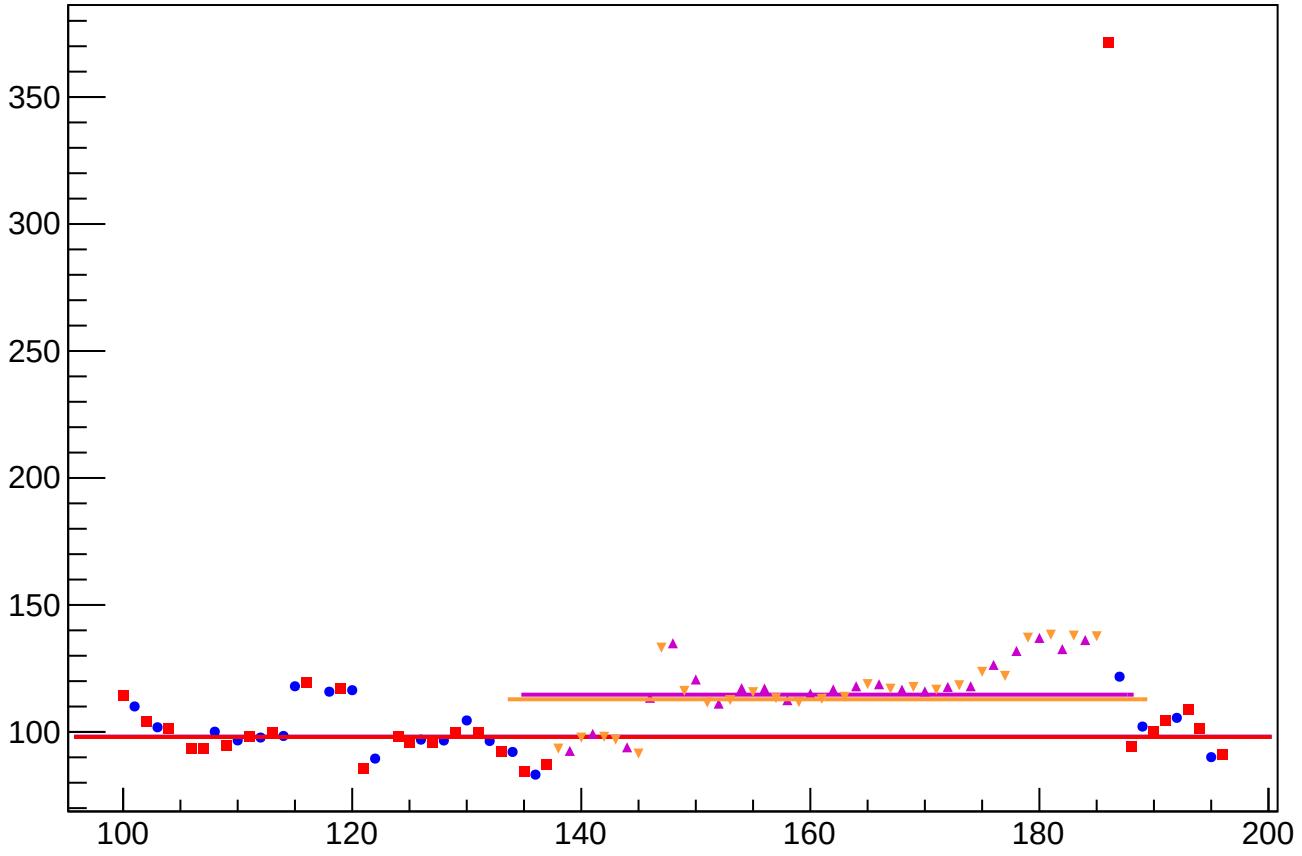
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -106.670+/-19.965 χ^2/NDF: 65.2/44

All: -5.617+/-14.002 χ^2/NDF: 176.1/93

- sign 92.214+/-19.644 χ^2/NDF: 60.5/48

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 98.127+/-0.022 χ^2/NDF: 180333.4/19

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

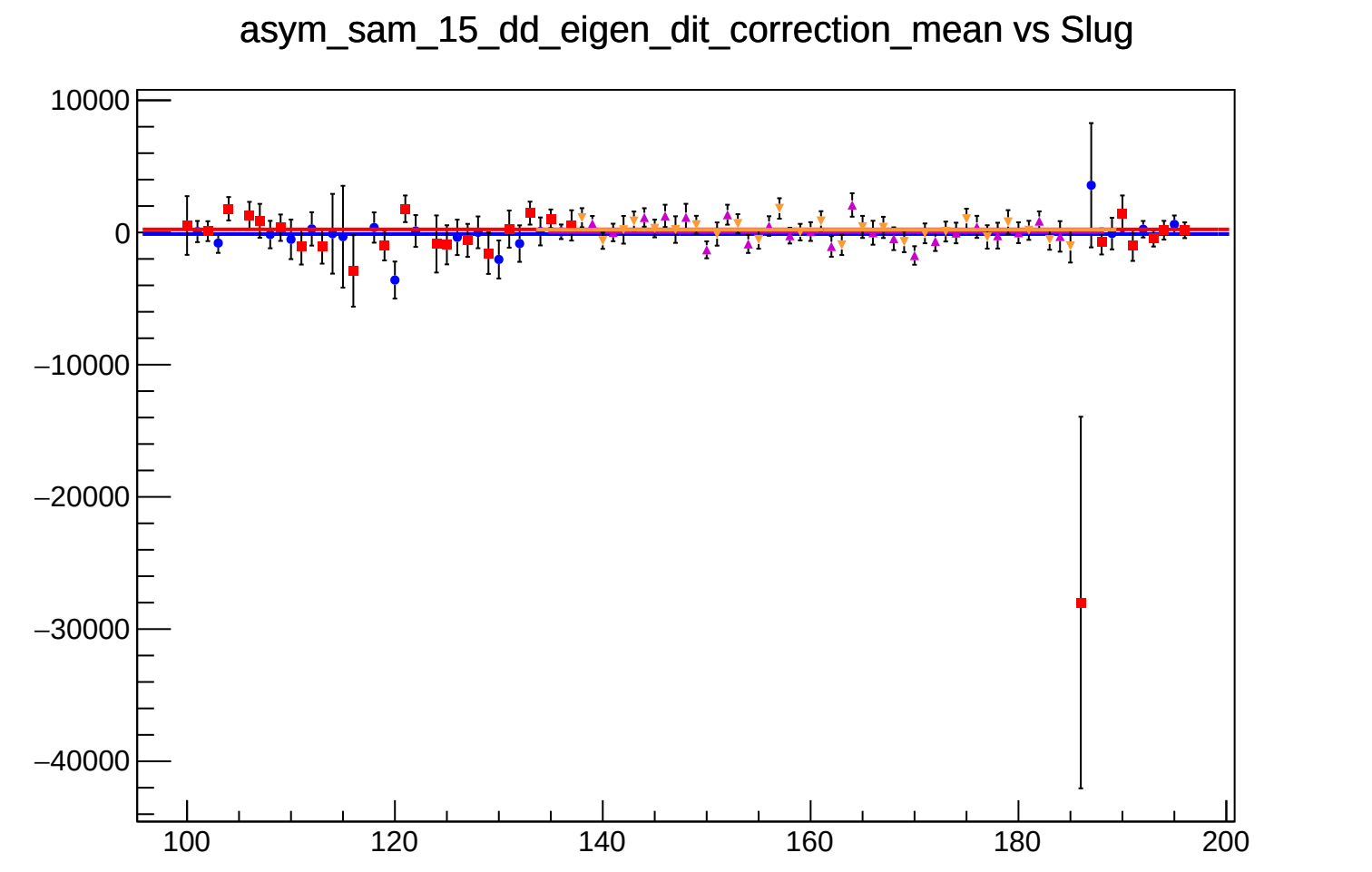
Right Out: 98.019+/-0.020 χ^2/NDF: 588600.6/25

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 106.930+/-0.014 χ^2/NDF: 954051.5/44

All: 106.900+/-0.010 χ^2/NDF: 2310733.5/93

- sign 106.871+/-0.014 χ^2/NDF: 1356673.1/48



Right In: -119.655+/-226.524 χ^2/NDF: 11.8/19

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 233.990+/-199.887 χ^2/NDF: 25.4/25

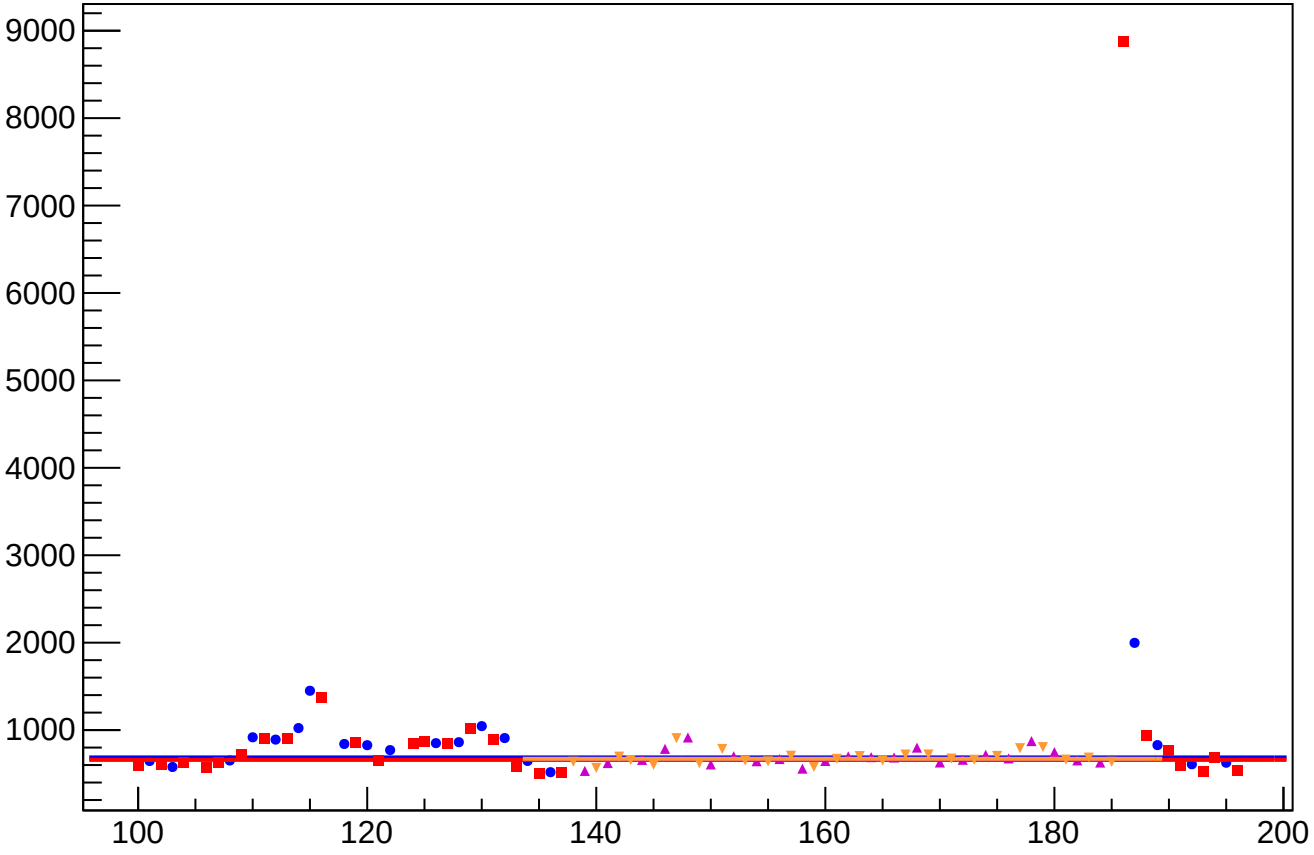
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 105.441+/-127.314 χ^2/NDF: 32.2/44

All: 113.255+/-88.721 χ^2/NDF: 91.4/93

- sign 120.632+/-123.704 χ^2/NDF: 59.2/48

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 687.342+/-0.160 χ^2/NDF: 988780.9/19

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 659.091+/-0.141 χ^2/NDF: 1828360.5/25

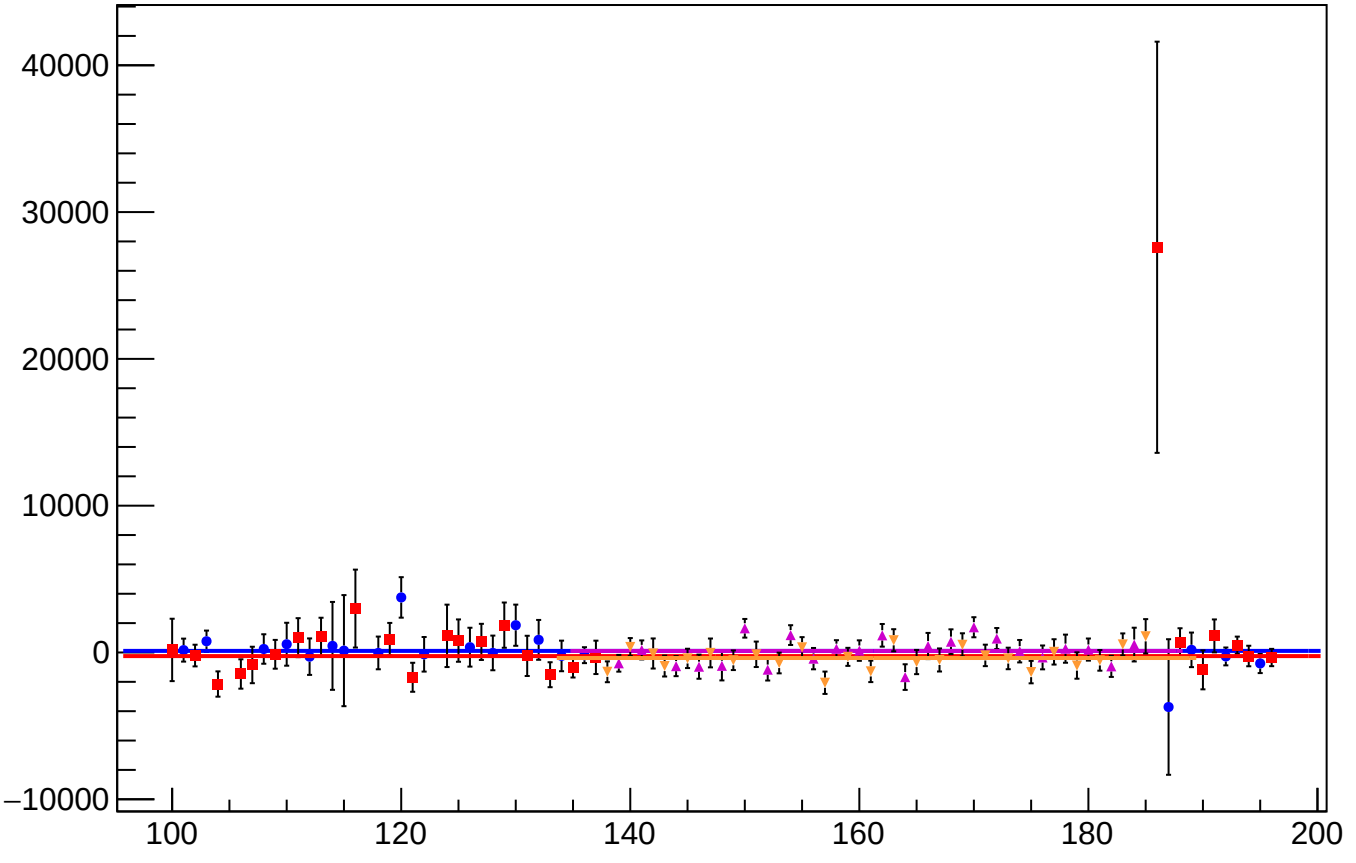
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 676.743+/-0.090 χ^2/NDF: 1394341.4/44

All: 670.282+/-0.063 χ^2/NDF: 3781724.9/93

- sign 664.182+/-0.087 χ^2/NDF: 2377369.0/48

asym_sam_15_dd_mean vs Slug



Right In: 107.934+/-221.844 χ^2/NDF: 13.2/19

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -246.696+/-195.685 χ^2/NDF: 28.7/25

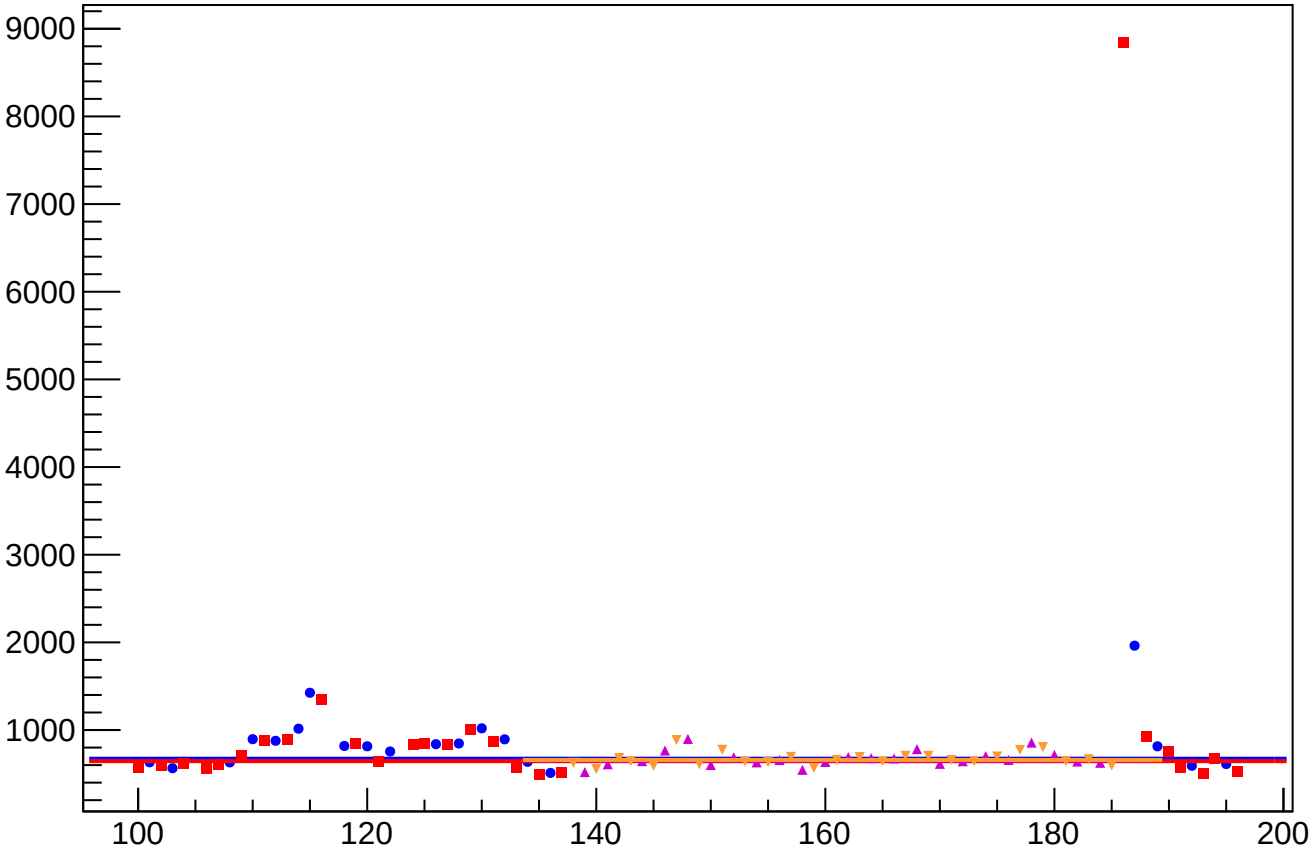
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -223.683+/-124.800 χ^2/NDF: 37.8/44

All: -124.459+/-86.939 χ^2/NDF: 105.3/93

- sign -30.907+/-121.181 χ^2/NDF: 66.2/48

asym_sam_15_dd_rms vs Slug



Right In: 672.881+/-0.157 χ^2/NDF: 991801.8/19

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

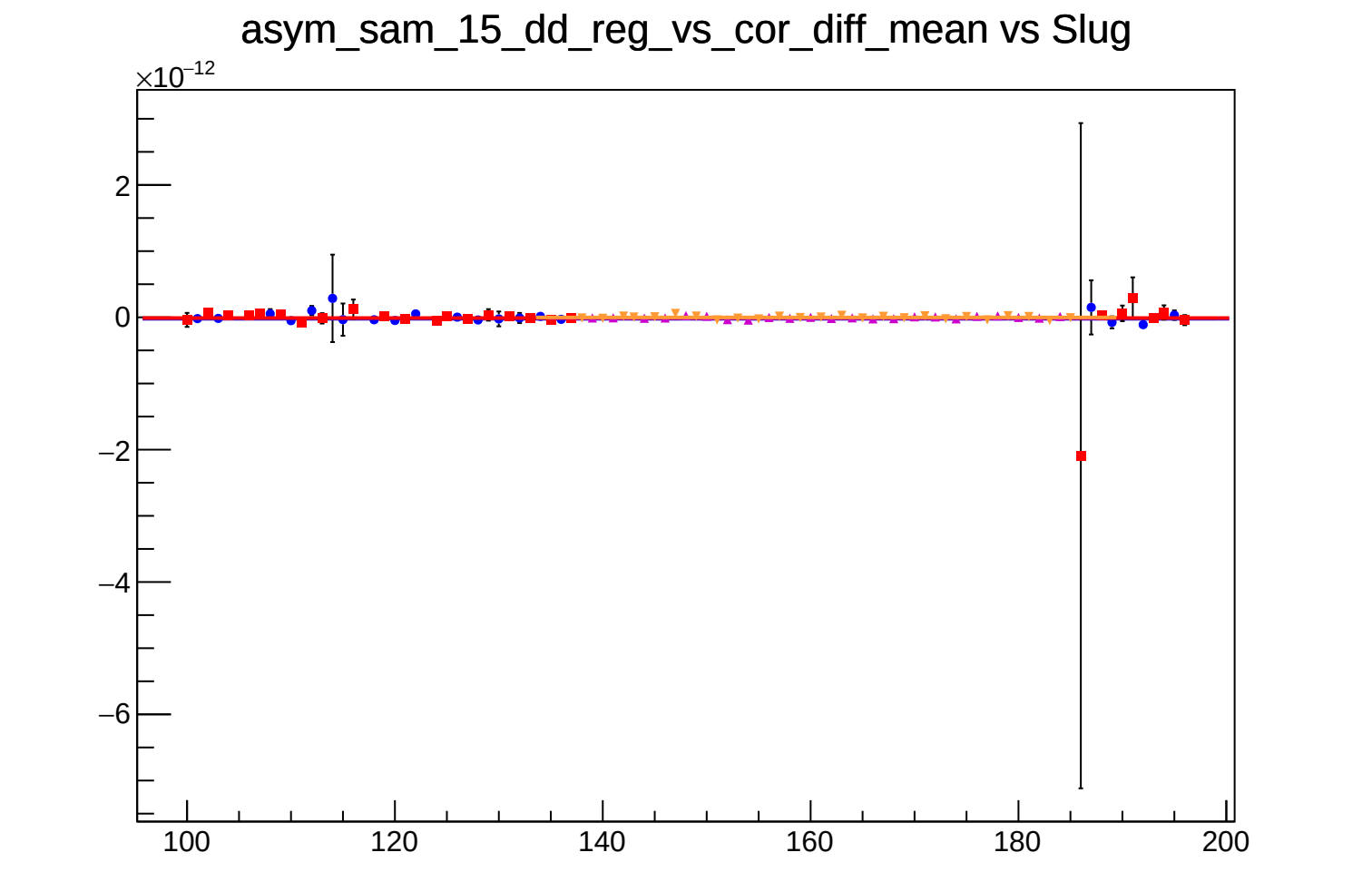
Right Out: 644.781+/-0.138 χ^2/NDF: 1851214.7/25

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 663.169+/-0.088 χ^2/NDF: 1407094.3/44

All: 656.614+/-0.061 χ^2/NDF: 3813814.4/93

- sign 650.434+/-0.086 χ^2/NDF: 2396000.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

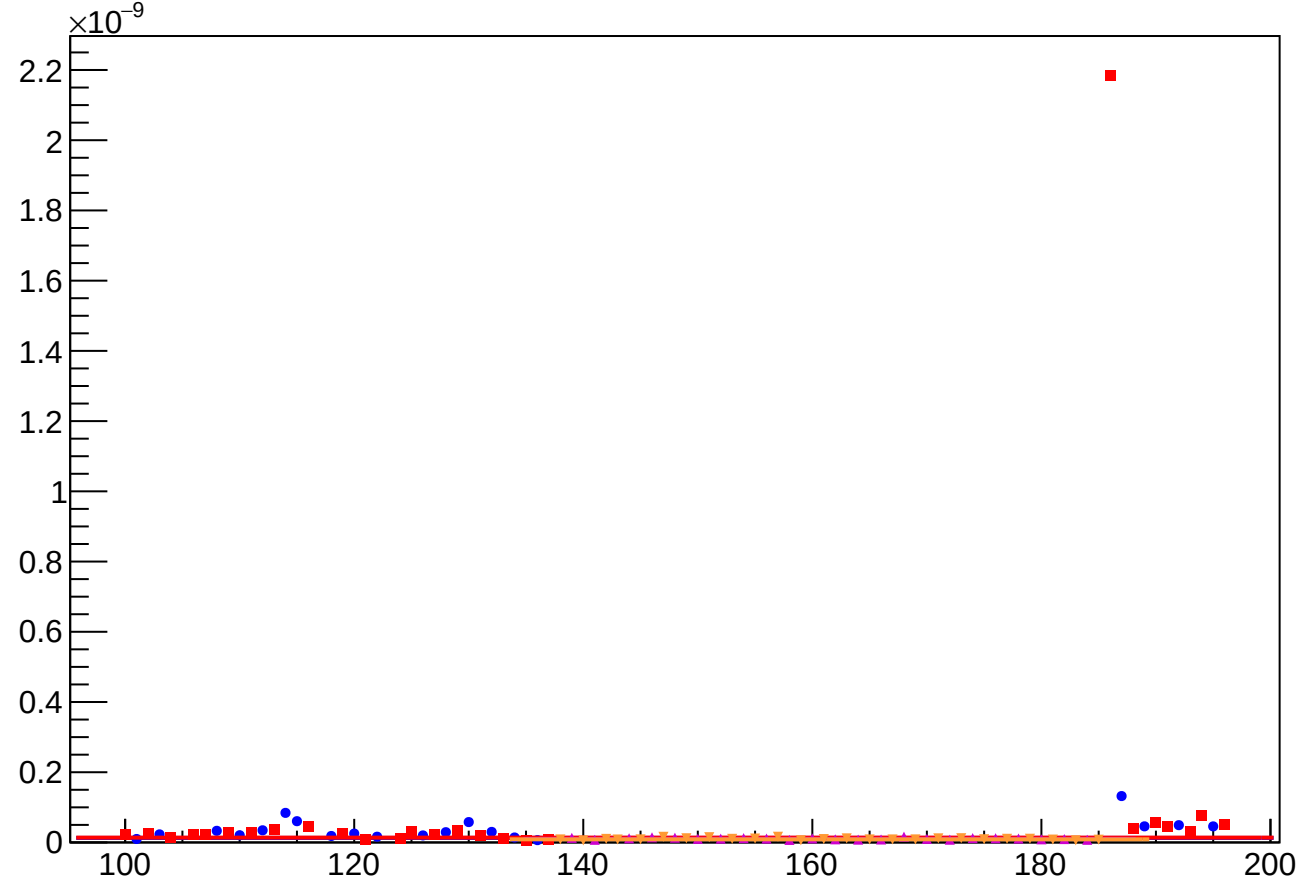
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/25

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/44

All: -0.000+/-0.000 χ^2/NDF: 86.2/93

- sign -0.000+/-0.000 χ^2/NDF: 35.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3613261.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4753167.4/25

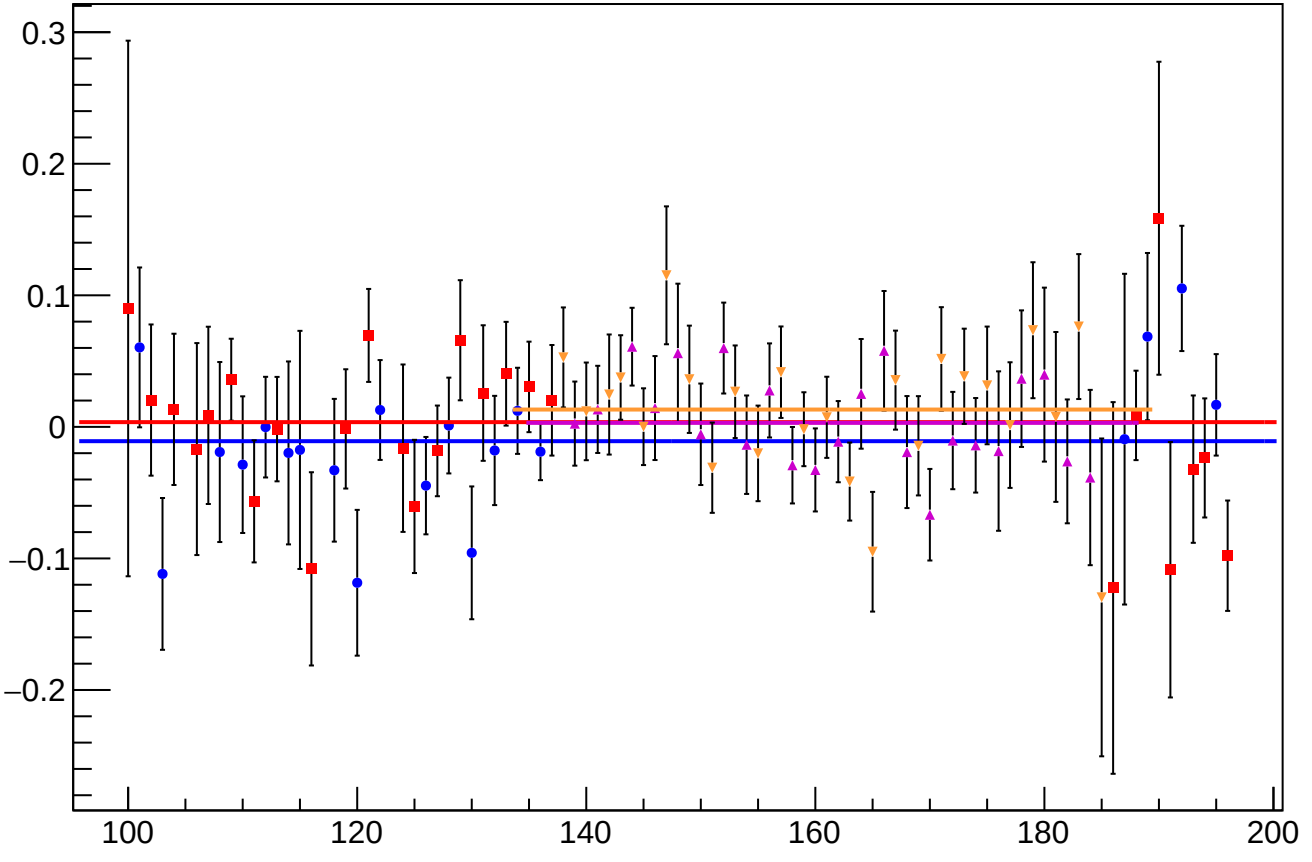
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5089066.0/44

All: 0.000+/-0.000 χ^2/NDF: 11006540.4/93

- sign 0.000+/-0.000 χ^2/NDF: 5758652.4/48

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

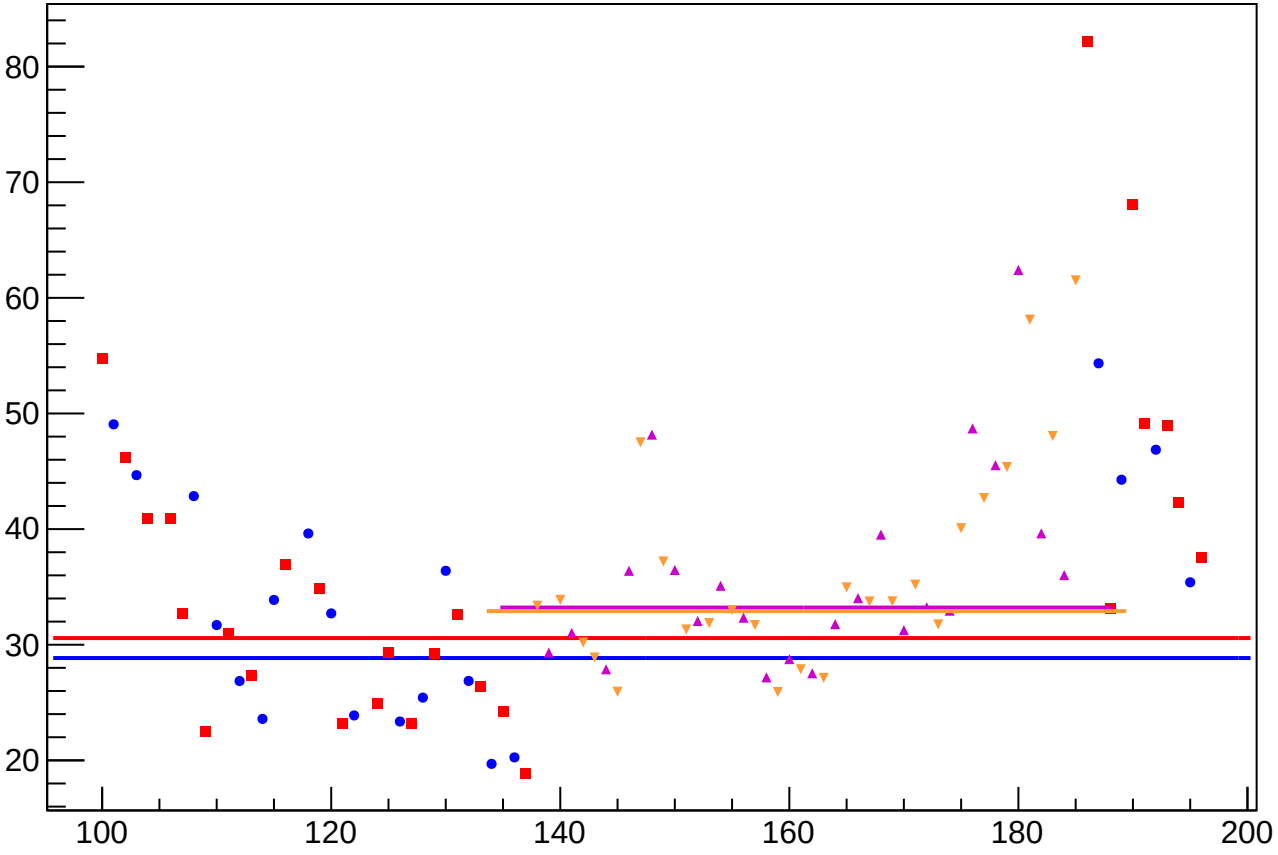
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.004+/-0.004 χ^2/NDF: 94.9/93

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.850+/-0.007 χ^2/NDF: 1734332.7/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

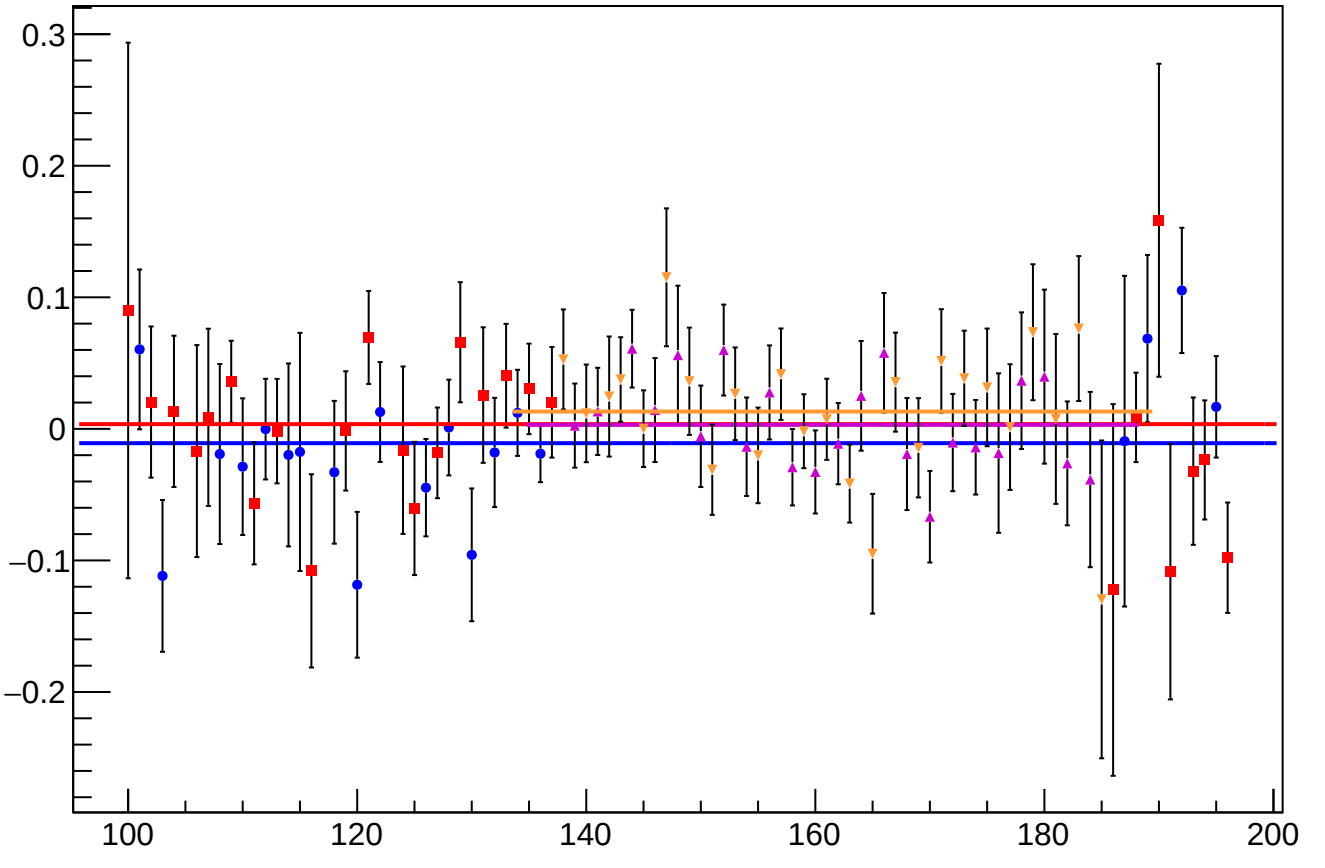
Right Out: 30.577+/-0.007 χ^2/NDF: 1856242.7/25

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.358+/-0.004 χ^2/NDF: 3375542.0/44

All: 31.730+/-0.003 χ^2/NDF: 6561066.2/93

\- sign 32.105+/-0.004 χ^2/NDF: 3170239.5/48



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

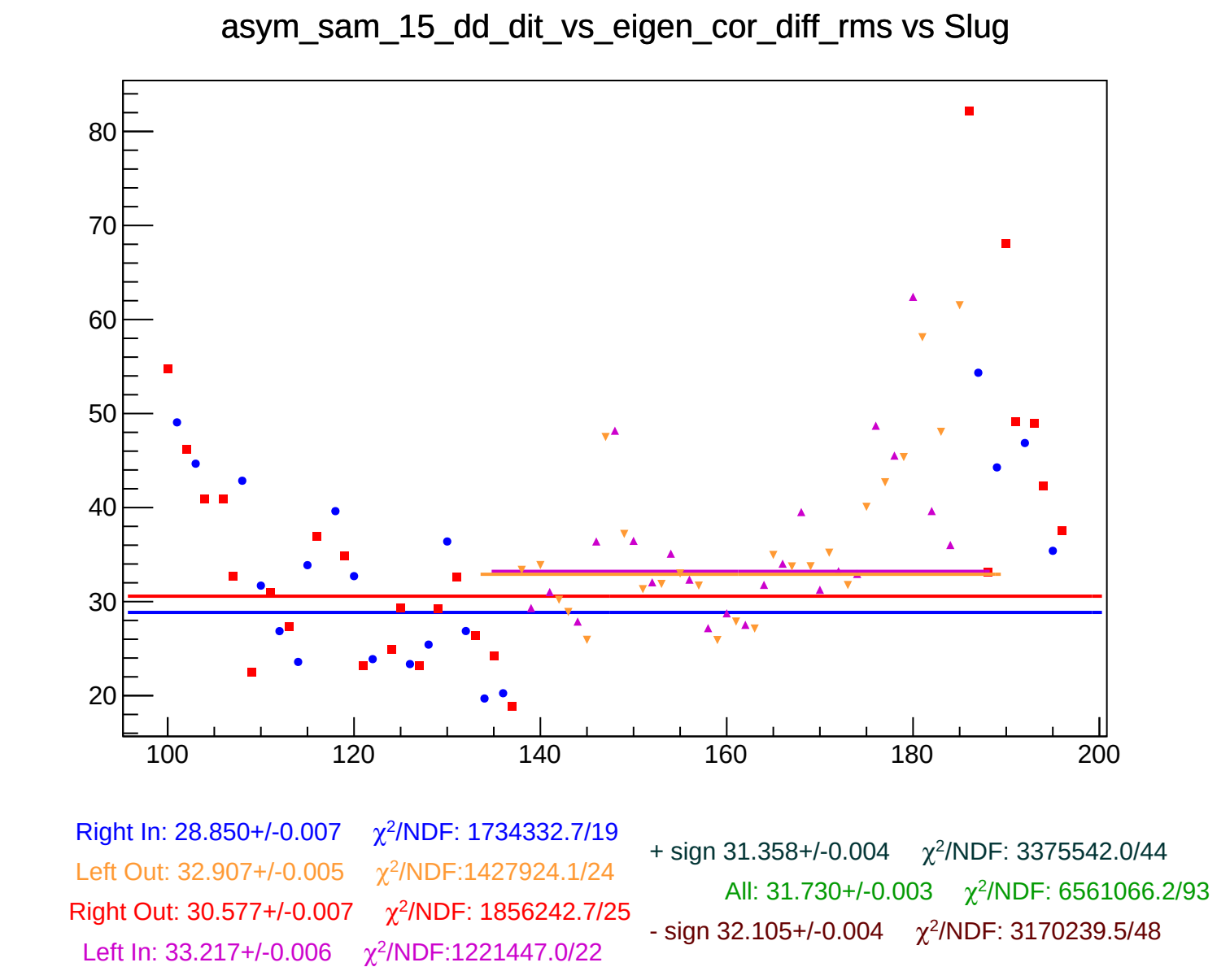
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

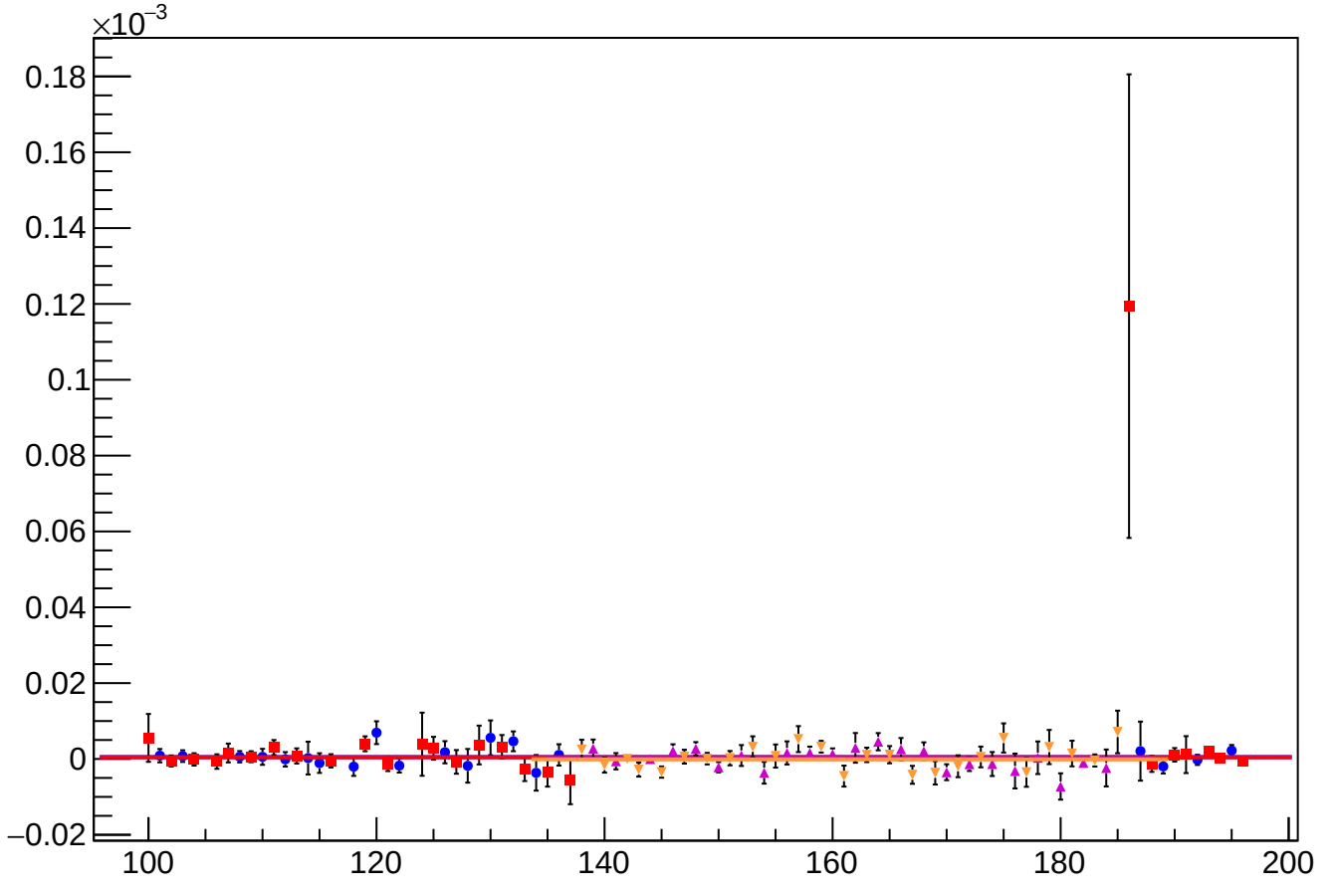
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.004+/-0.004 χ^2/NDF: 94.9/93

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 28.850+/-0.007 χ²/NDF: 1734332.7/19
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 31.358+/-0.004 χ²/NDF: 3375542.0/44
All: 31.730+/-0.003 χ²/NDF: 6561066.2/93
- sign 32.105+/-0.004 χ²/NDF: 3170239.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/25

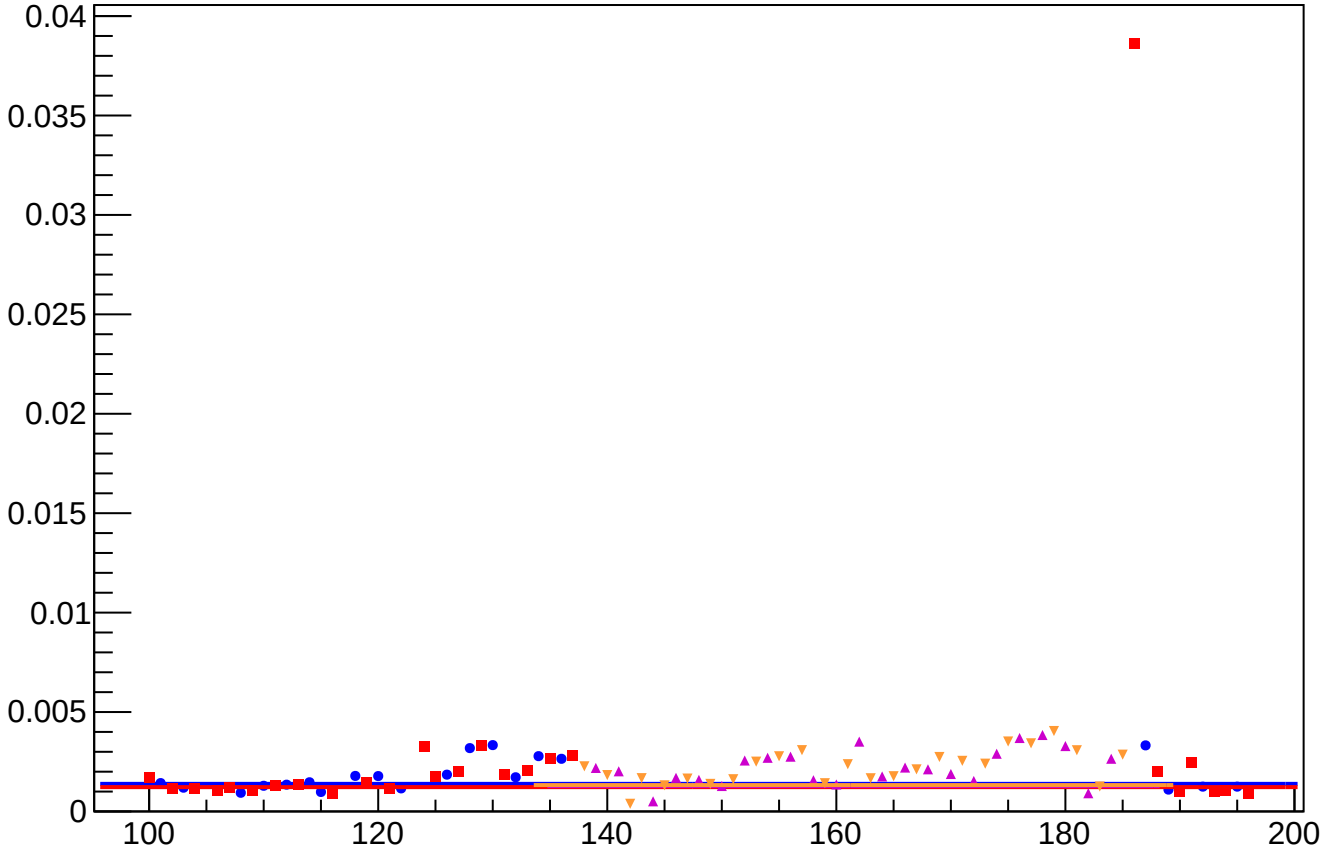
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/44

All: 0.000+/-0.000 χ^2/NDF: 96.3/93

- 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: 1947417.8/19

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

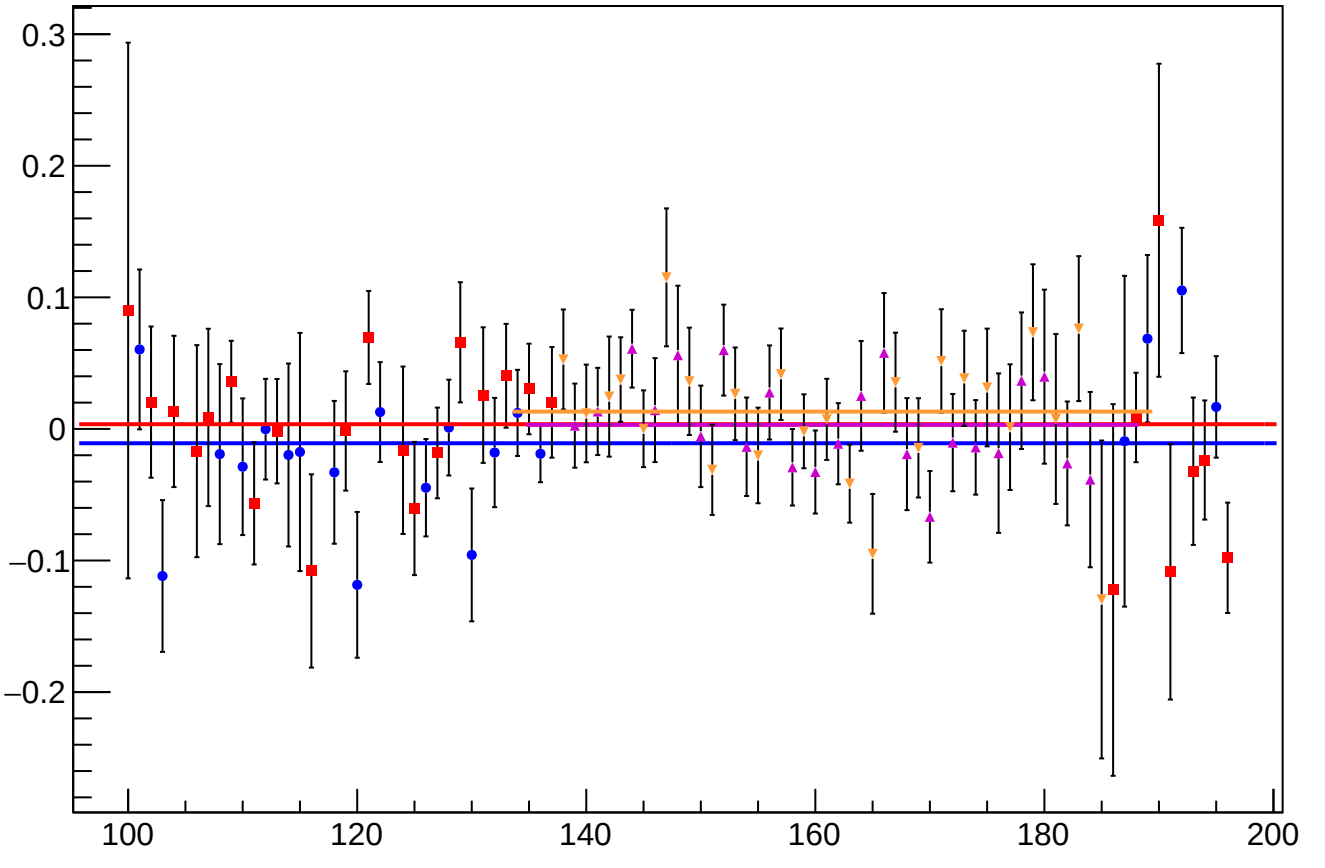
Right Out: 0.001+/-0.000 χ^2/NDF: 2982597.8/25

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13127523.0/44

All: 0.001+/-0.000 χ^2/NDF: 26133551.3/93

- sign 0.001+/-0.000 χ^2/NDF: 12879953.0/48



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

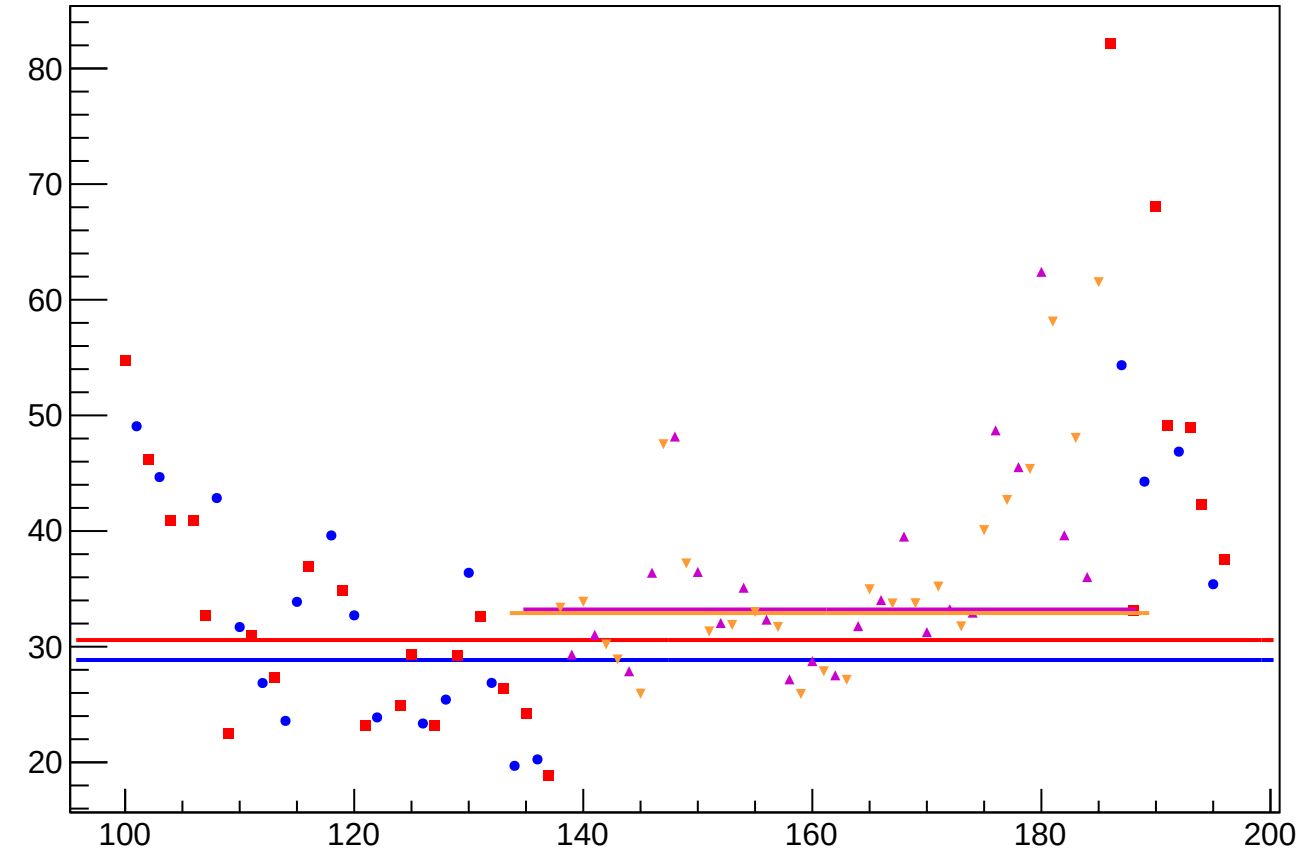
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.004+/-0.004 χ^2/NDF: 94.9/93

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

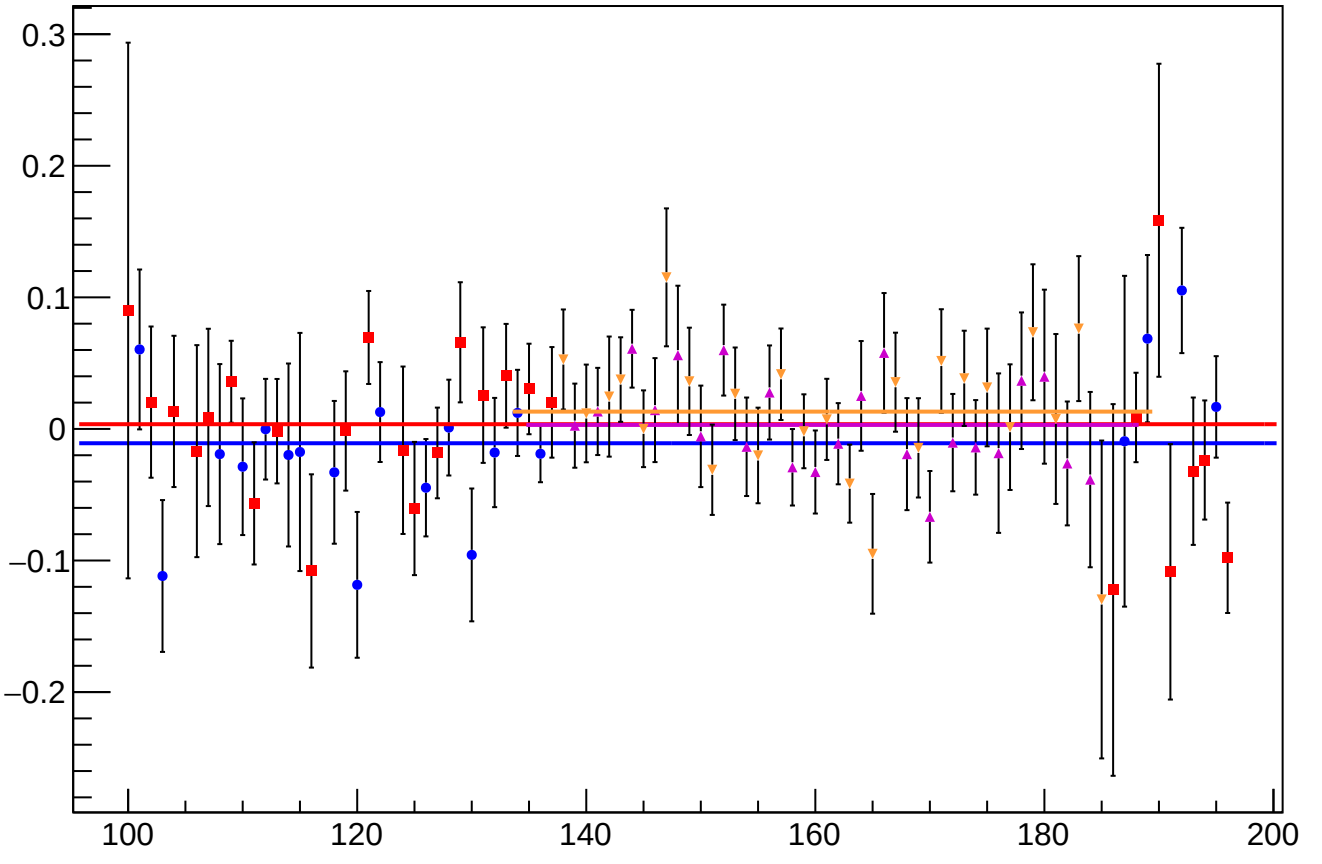
Right Out: 30.575+/-0.007 χ^2/NDF: 1856452.8/25

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.357+/-0.004 χ^2/NDF: 3375815.1/44

All: 31.730+/-0.003 χ^2/NDF: 6561702.1/93

- sign 32.105+/-0.004 χ^2/NDF: 3170606.4/48



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

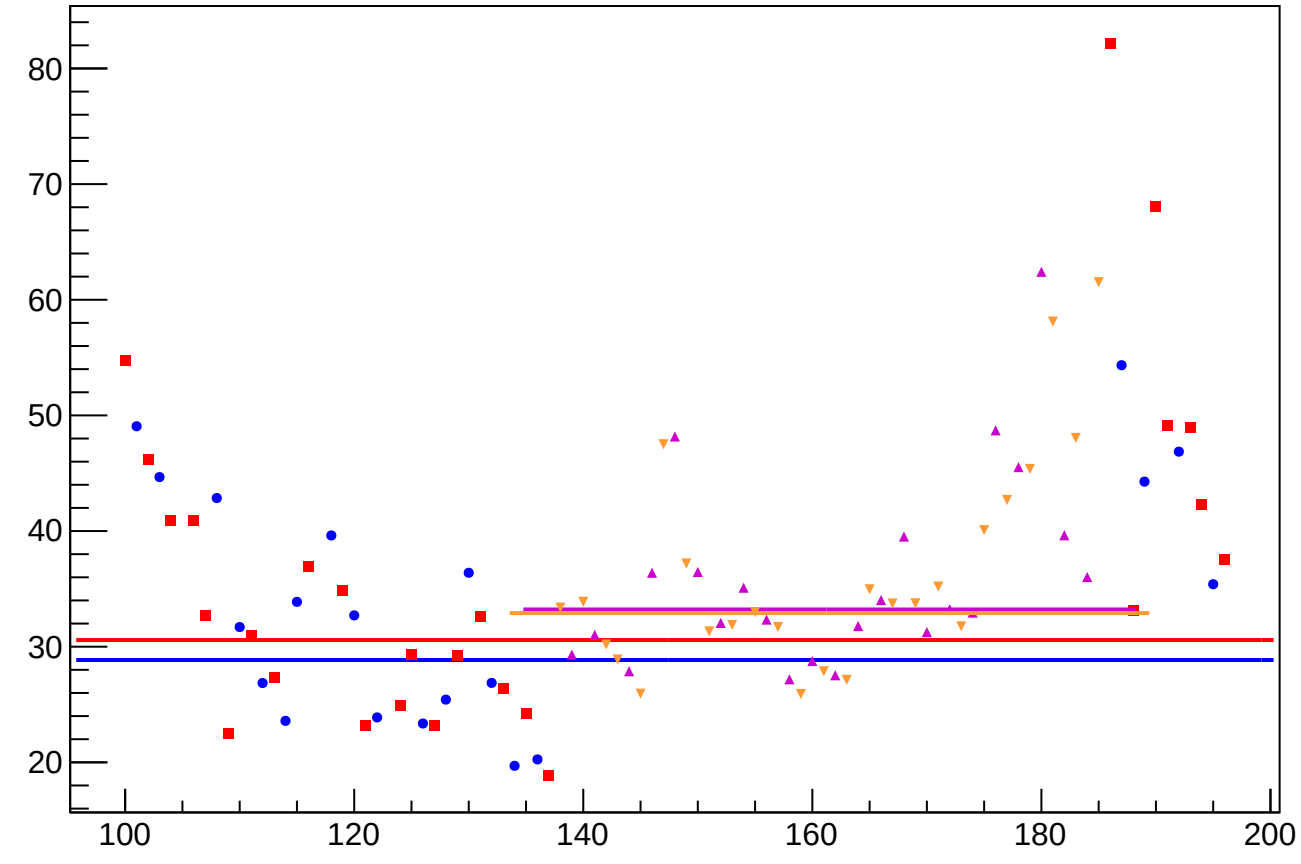
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.004+/-0.004 χ^2/NDF: 94.9/93

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

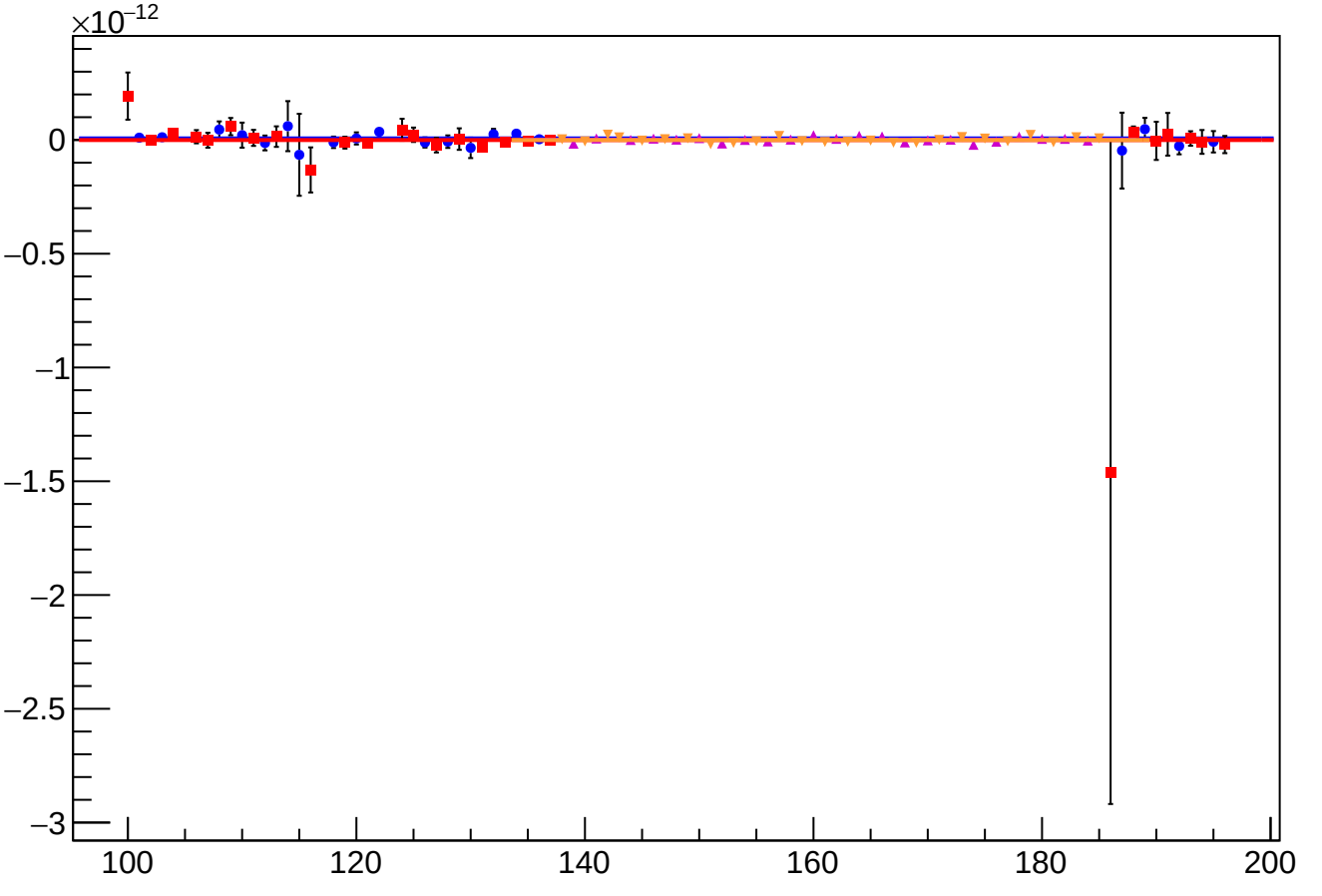
Right Out: 30.575+/-0.007 χ^2/NDF: 1856452.8/25

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.357+/-0.004 χ^2/NDF: 3375815.1/44

All: 31.730+/-0.003 χ^2/NDF: 6561702.1/93

- sign 32.105+/-0.004 χ^2/NDF: 3170606.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

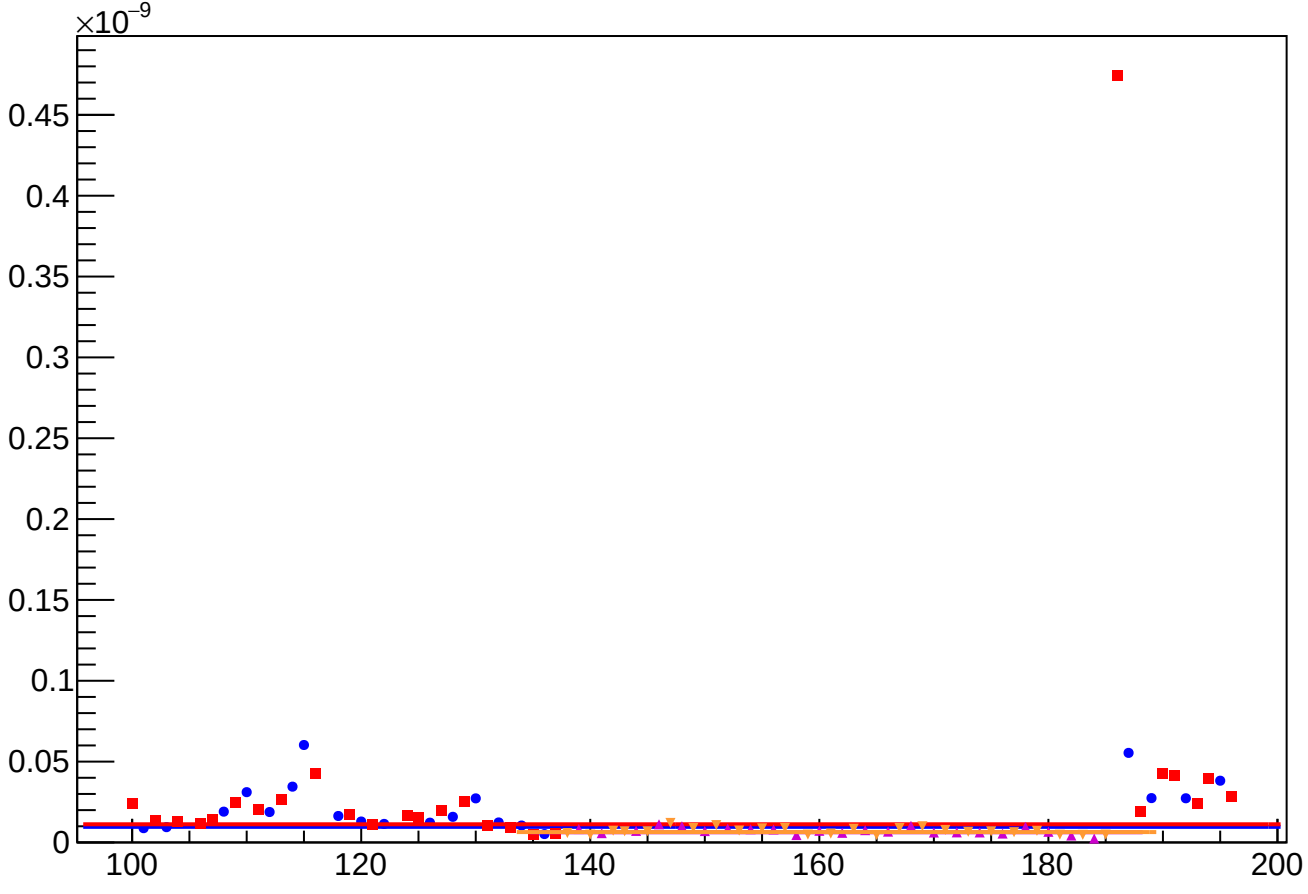
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/25

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/44

All: 0.000+/-0.000 χ^2/NDF: 86.9/93

- sign 0.000+/-0.000 χ^2/NDF: 43.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4071503.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4988770.9/25

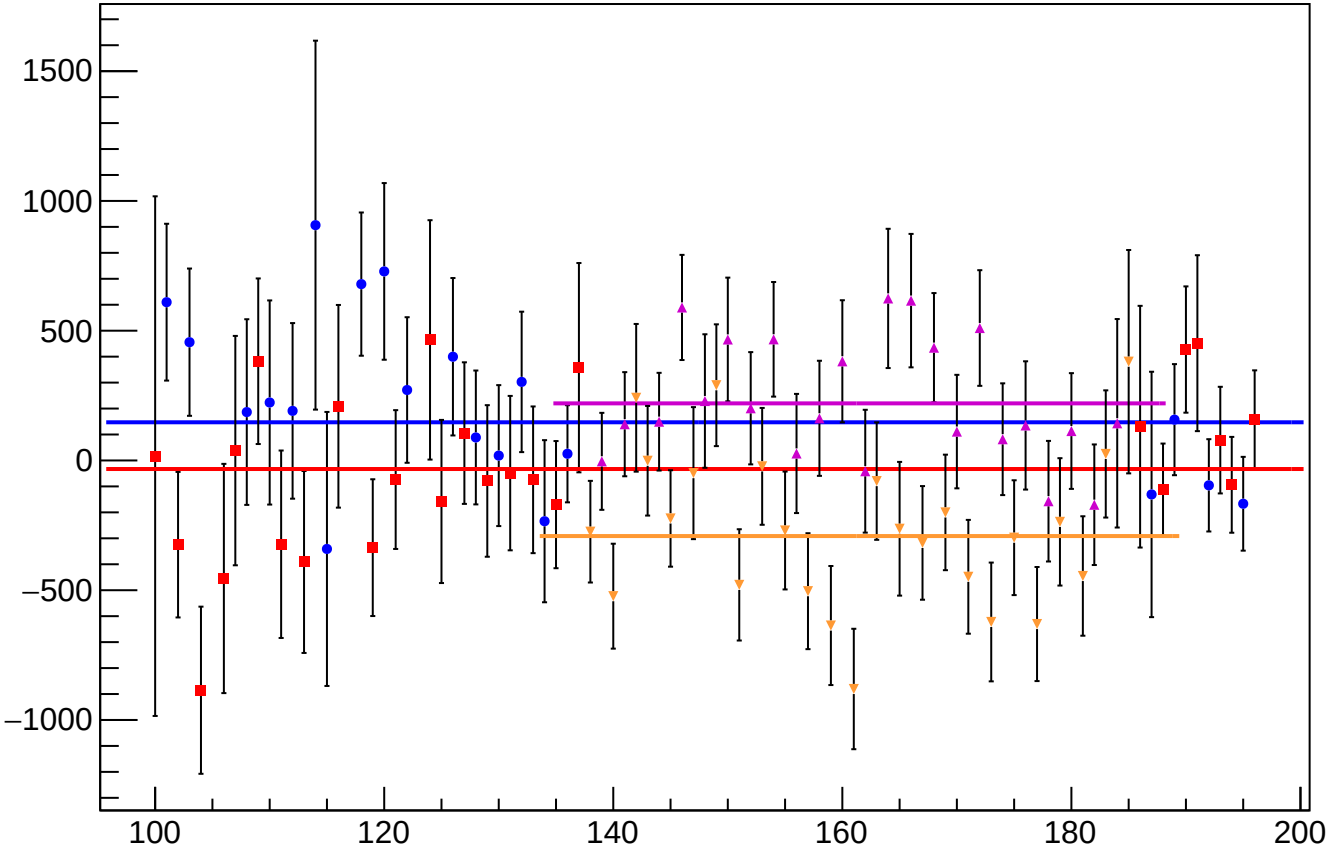
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6843677.9/44

All: 0.000+/-0.000 χ^2/NDF: 15842565.0/93

- sign 0.000+/-0.000 χ^2/NDF: 8994951.4/48

reg_asym_sam_26_dd_mean vs Slug



Right In: 147.068+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.965+/-55.611 χ^2/NDF: 24.4/25

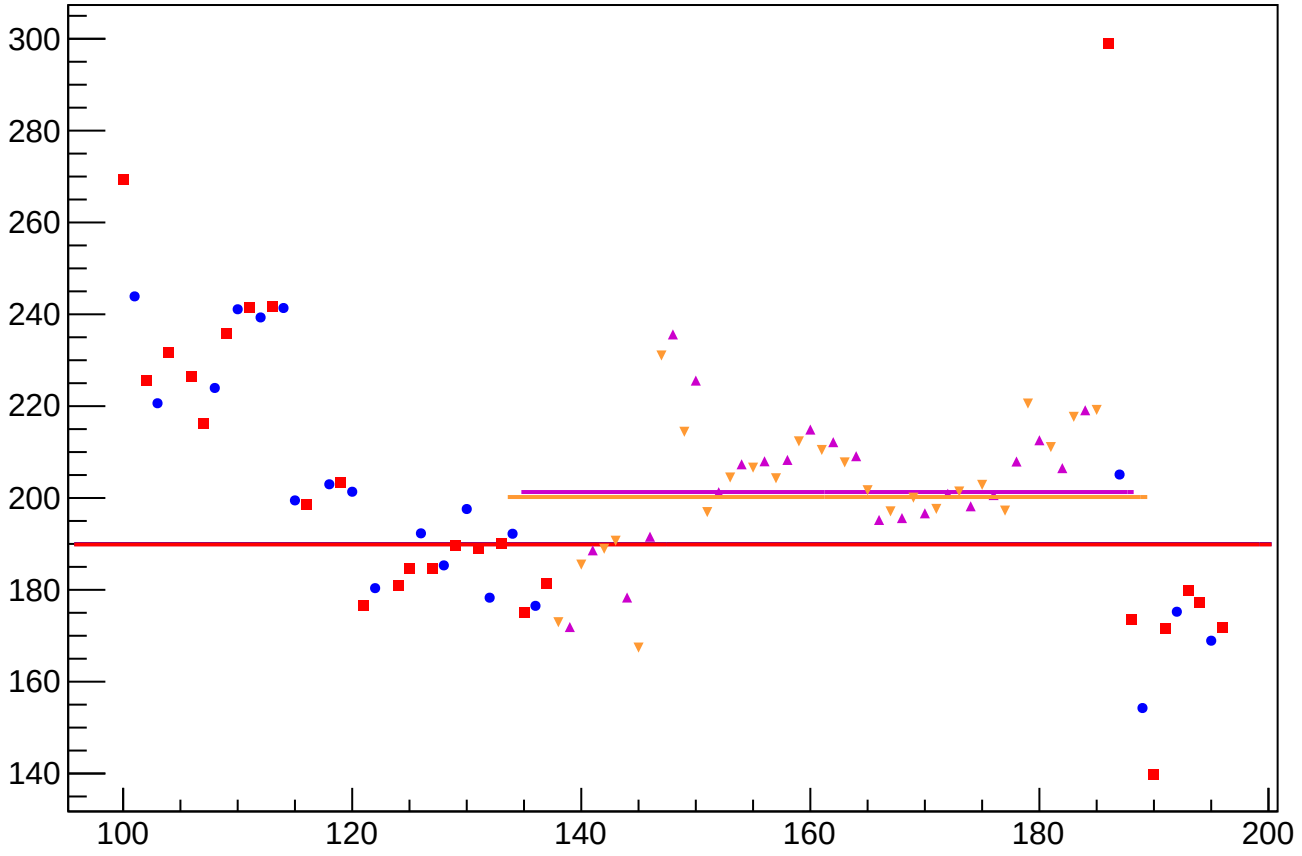
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -134.787+/-36.575 χ^2/NDF: 90.2/44

All: -8.188+/-25.643 χ^2/NDF: 173.9/93

- sign 114.201+/-35.962 χ^2/NDF: 60.1/48

reg_asym_sam_26_dd_rms vs Slug



Right In: 189.963+/-0.043 χ^2/NDF: 316768.6/19

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.891+/-0.039 χ^2/NDF: 496060.7/25

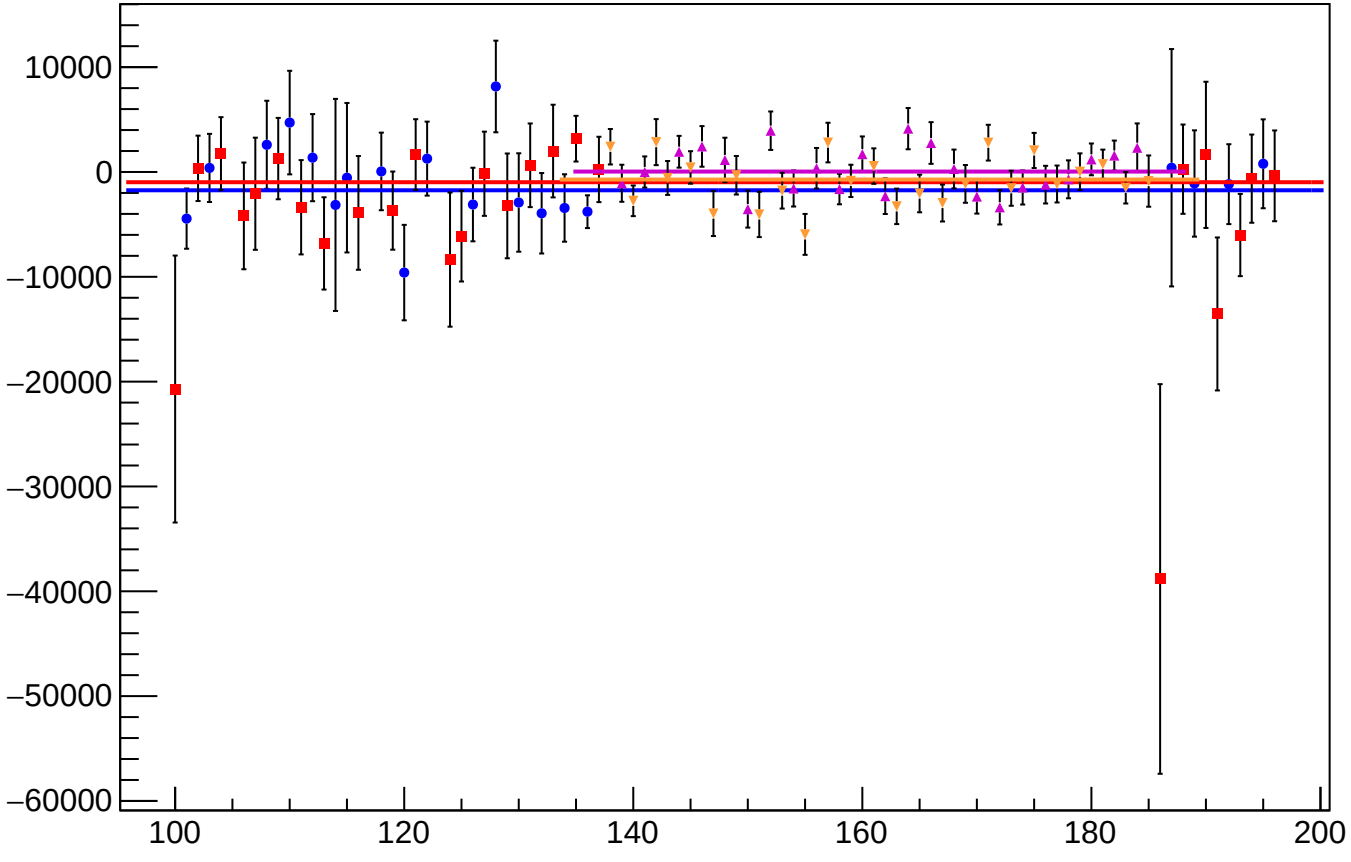
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 196.551+/-0.026 χ^2/NDF: 557203.5/44

All: 196.539+/-0.018 χ^2/NDF: 1283865.9/93

\- sign 196.528+/-0.025 χ^2/NDF: 726662.0/48

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1745.919+/-809.473 χ^2/NDF: 16.7/19

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -975.751+/-815.000 χ^2/NDF: 23.8/25

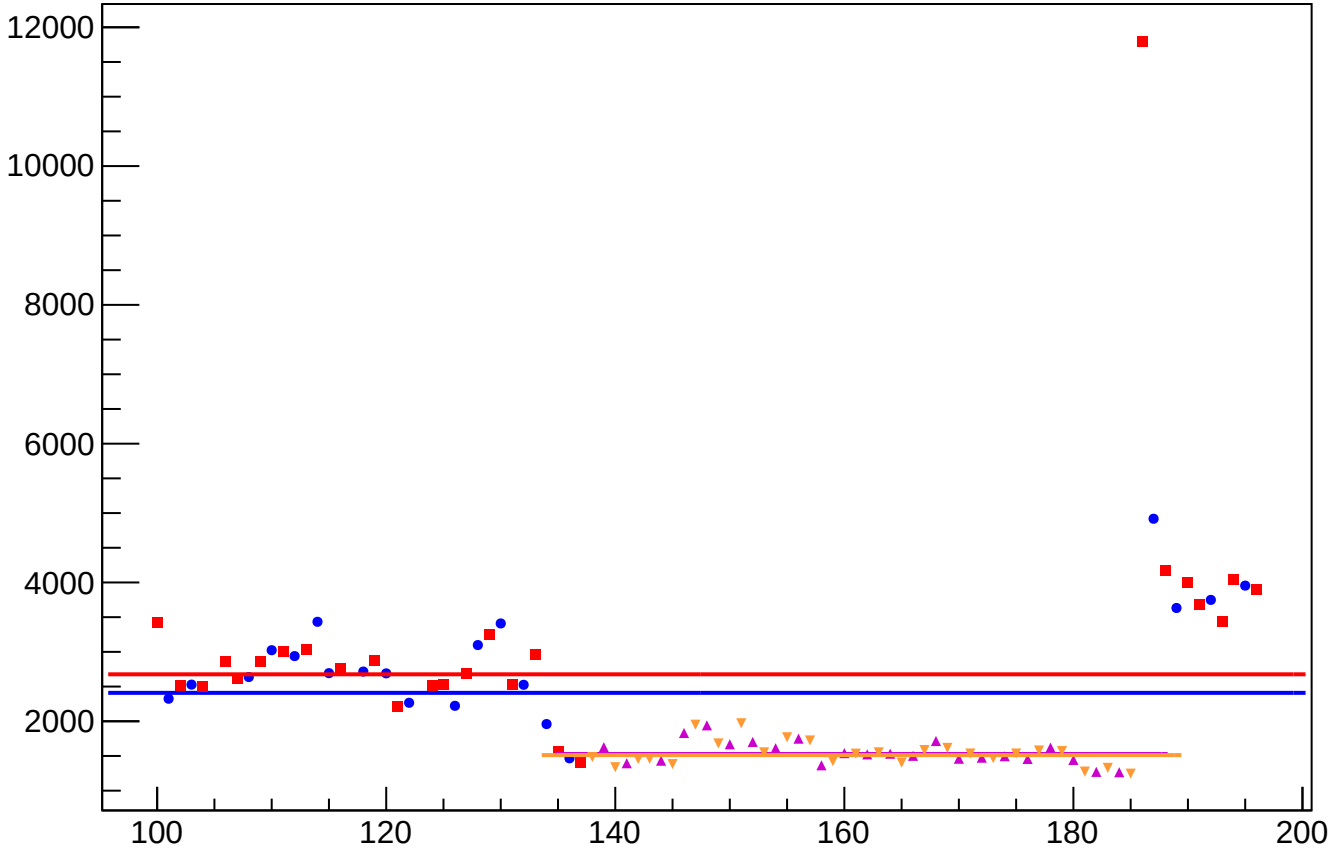
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -879.367+/-318.447 χ^2/NDF: 56.4/44

All: -514.602+/-228.729 χ^2/NDF: 118.6/93

- sign -125.871+/-328.742 χ^2/NDF: 59.6/48

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2409.488+/-0.572 χ^2/NDF: 1763719.9/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2676.661+/-0.576 χ^2/NDF: 2273844.4/25

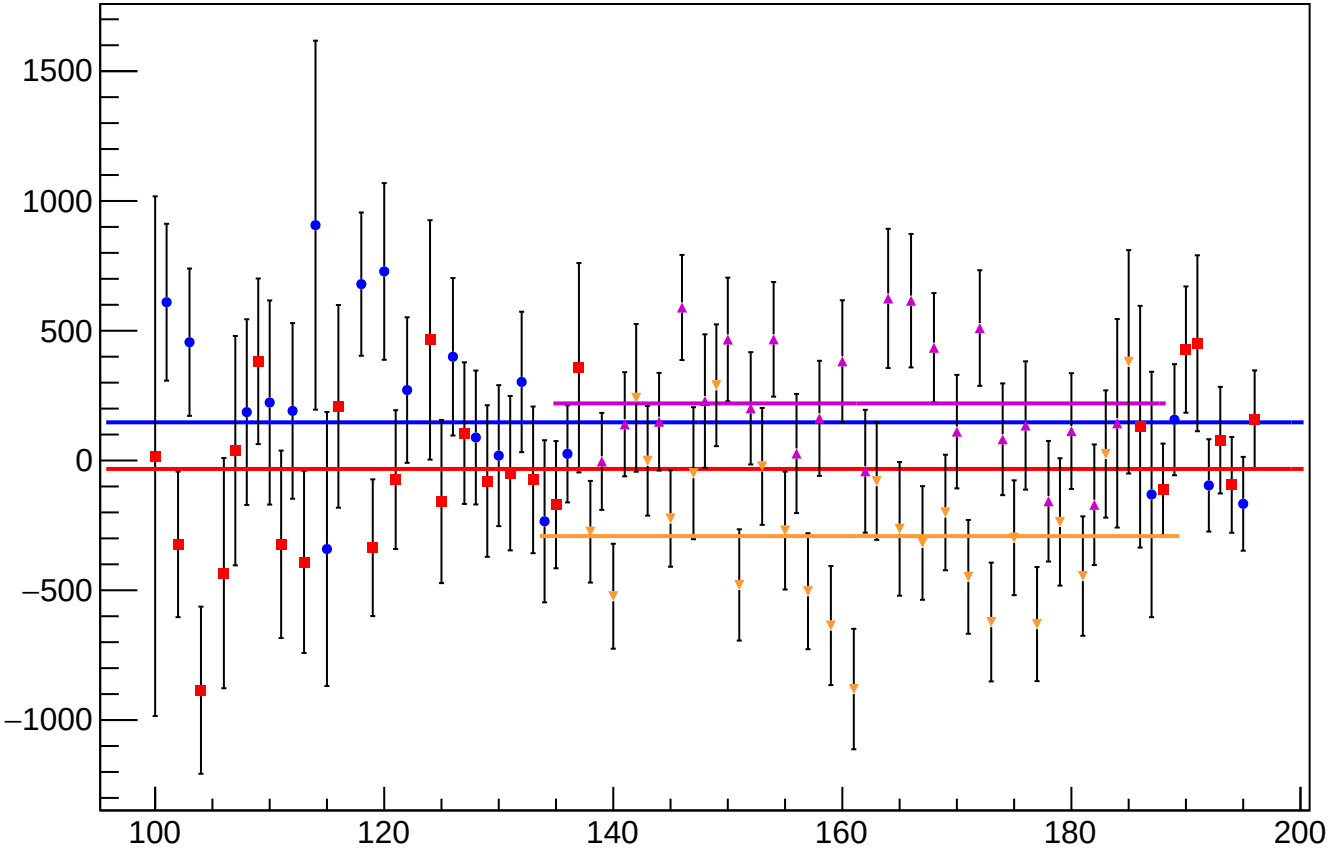
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282663.6/44

All: 1682.021+/-0.162 χ^2/NDF: 10295669.6/9

- sign 1714.860+/-0.232 χ^2/NDF: 5974322.2/48

cor_asym_sam_26_dd_mean vs Slug



Right In: 147.069+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.508+/-55.615 χ^2/NDF: 24.2/25

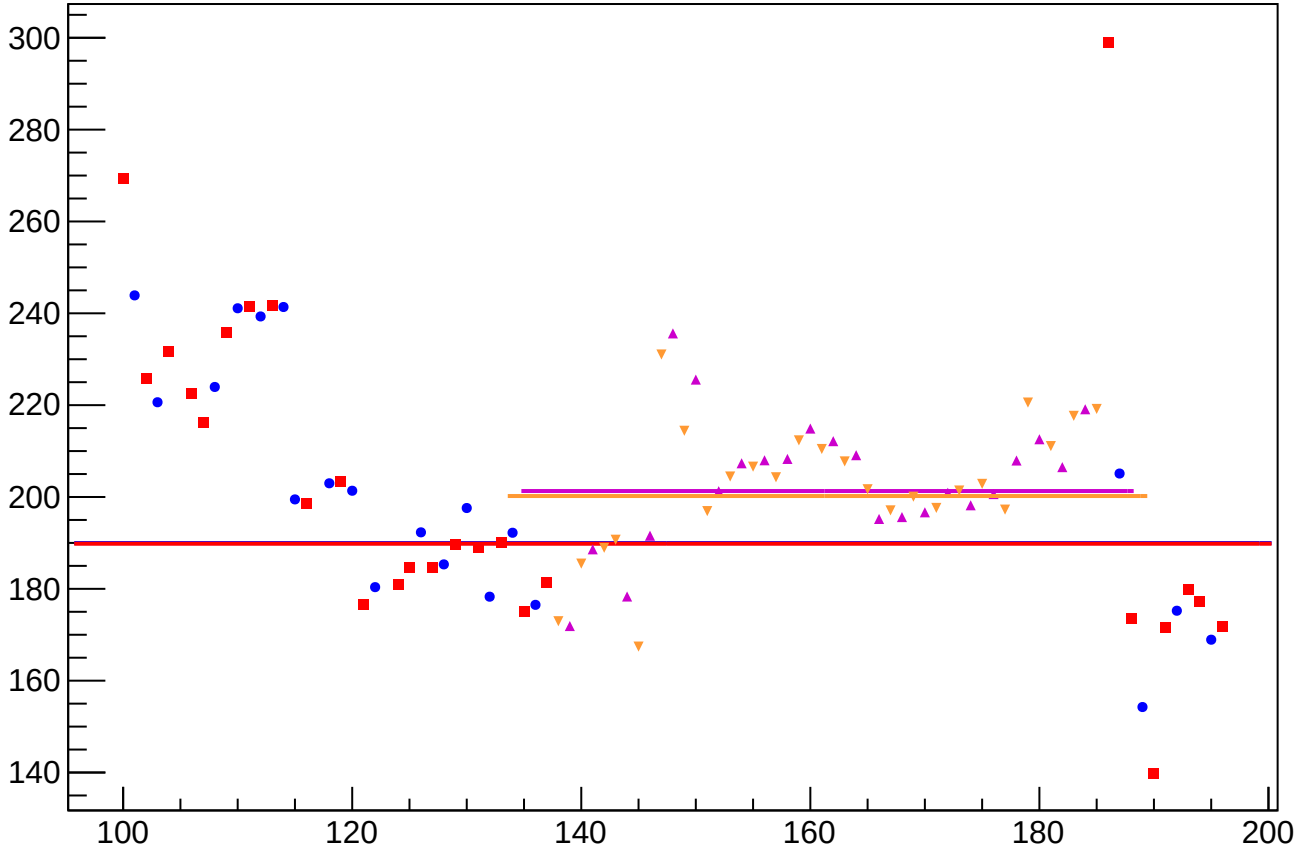
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.788+/-36.575 χ^2/NDF: 90.2/44

All: -8.088+/-25.643 χ^2/NDF: 173.8/93

- sign 114.407+/-35.963 χ^2/NDF: 60.0/48

cor_asym_sam_26_dd_rms vs Slug



Right In: 189.963+/-0.043 χ^2/NDF: 316769.0/19

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

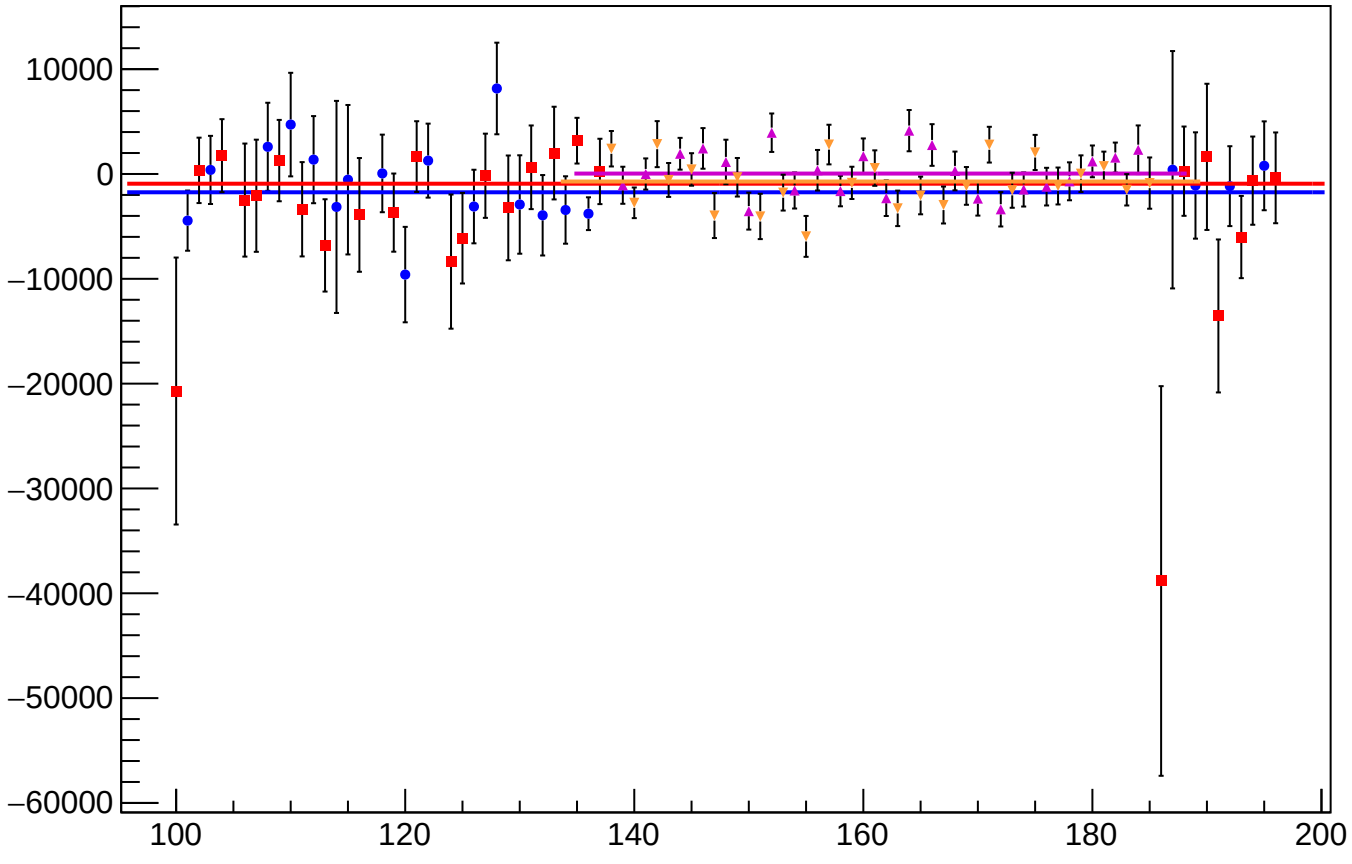
Right Out: 189.826+/-0.039 χ^2/NDF: 493277.4/25

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 196.551+/-0.026 χ^2/NDF: 557203.9/44

All: 196.526+/-0.018 χ^2/NDF: 1281638.4/93

\- sign 196.501+/-0.025 χ^2/NDF: 724432.5/48



Right In: -1745.885+/-809.474 χ^2/NDF: 16.7/19

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -928.054+/-816.159 χ^2/NDF: 23.5/25

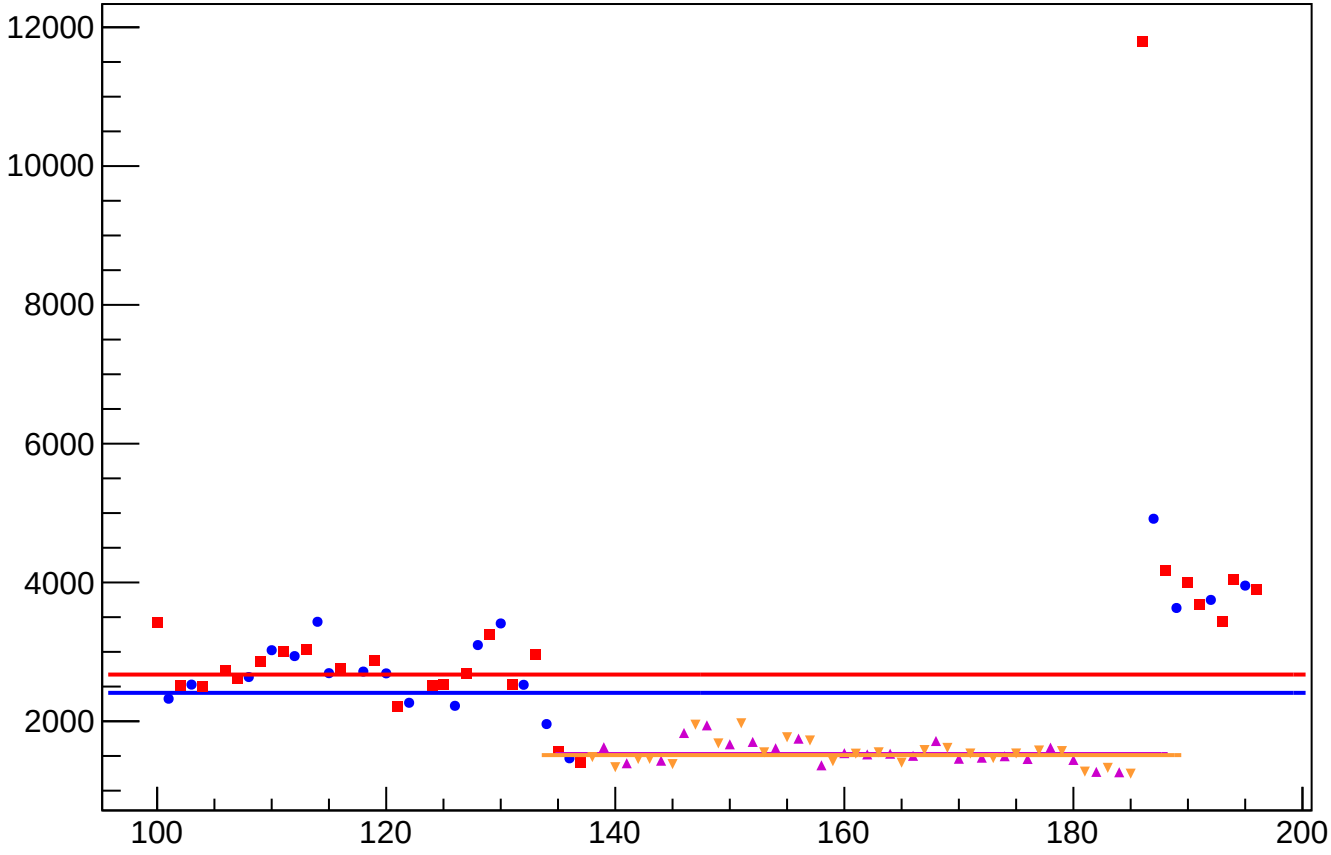
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.365+/-318.447 χ^2/NDF: 56.4/44

All: -510.752+/-228.754 χ^2/NDF: 118.2/93

- sign -117.738+/-328.818 χ^2/NDF: 59.1/48

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2409.492+/-0.572 χ^2/NDF: 1763720.2/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2673.080+/-0.577 χ^2/NDF: 2271144.6/25

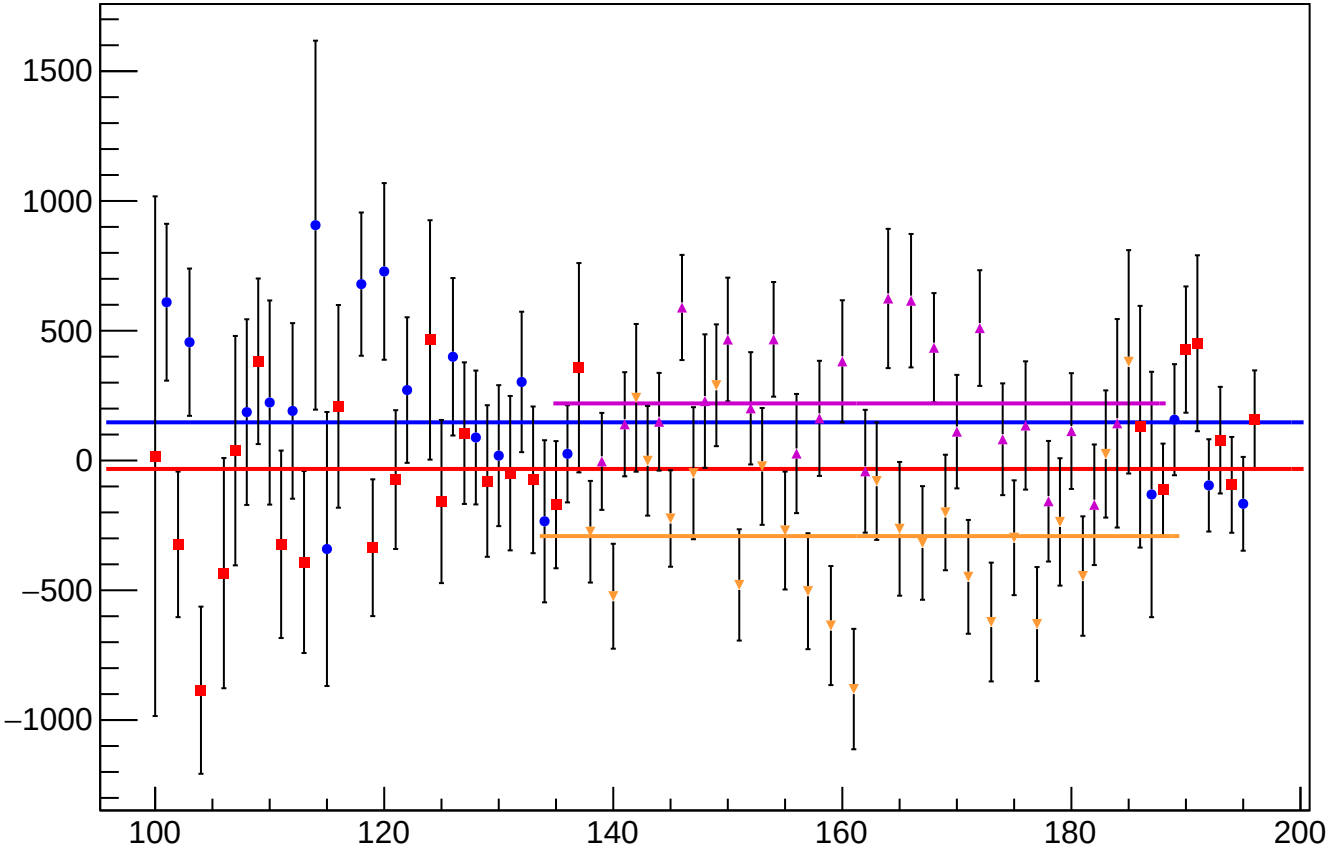
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282676.5/44

All: 1681.518+/-0.162 χ^2/NDF: 10263173.6/9

- sign 1713.835+/-0.233 χ^2/NDF: 5943058.4/48

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 147.069+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.508+/-55.615 χ^2/NDF: 24.2/25

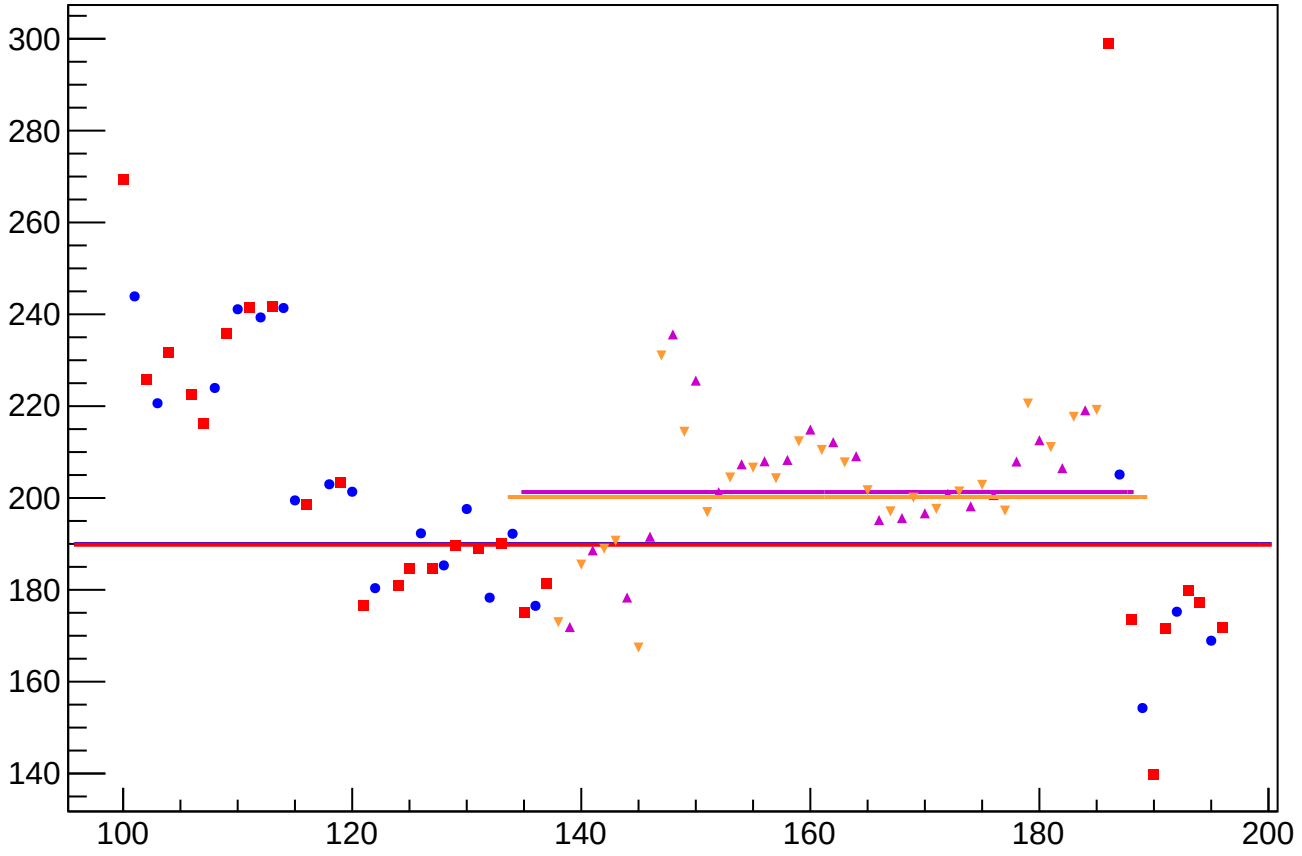
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

\+ sign -134.788+/-36.575 χ^2/NDF: 90.2/44

All: -8.088+/-25.643 χ^2/NDF: 173.8/93

\- sign 114.407+/-35.963 χ^2/NDF: 60.0/48

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 189.963+/-0.043 χ^2/NDF: 316769.0/19

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

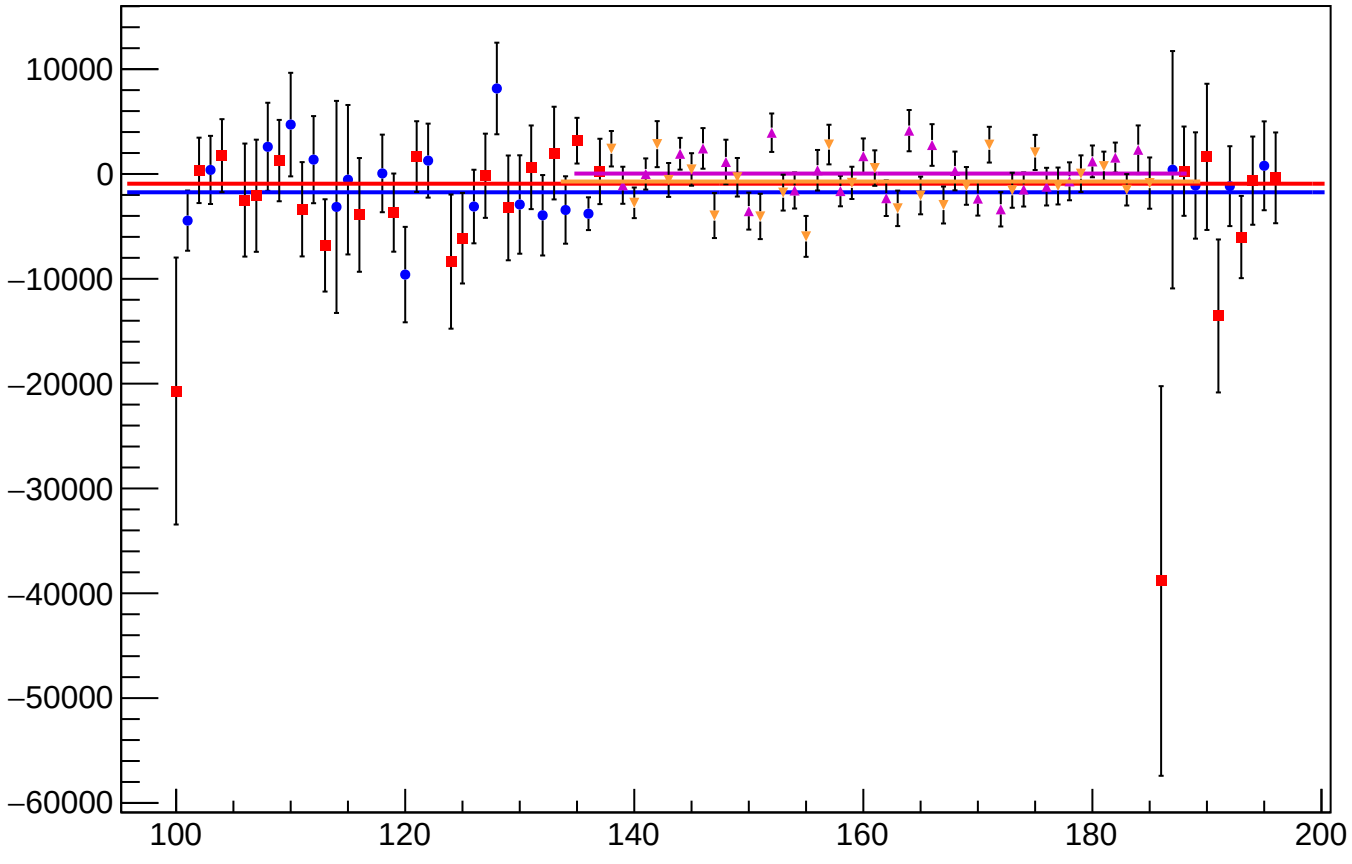
Right Out: 189.826+/-0.039 χ^2/NDF: 493277.4/25

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 196.551+/-0.026 χ^2/NDF: 557203.9/44

All: 196.526+/-0.018 χ^2/NDF: 1281638.4/93

\- sign 196.501+/-0.025 χ^2/NDF: 724432.5/48



Right In: -1745.885+/-809.474 χ^2/NDF: 16.7/19

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -928.054+/-816.159 χ^2/NDF: 23.5/25

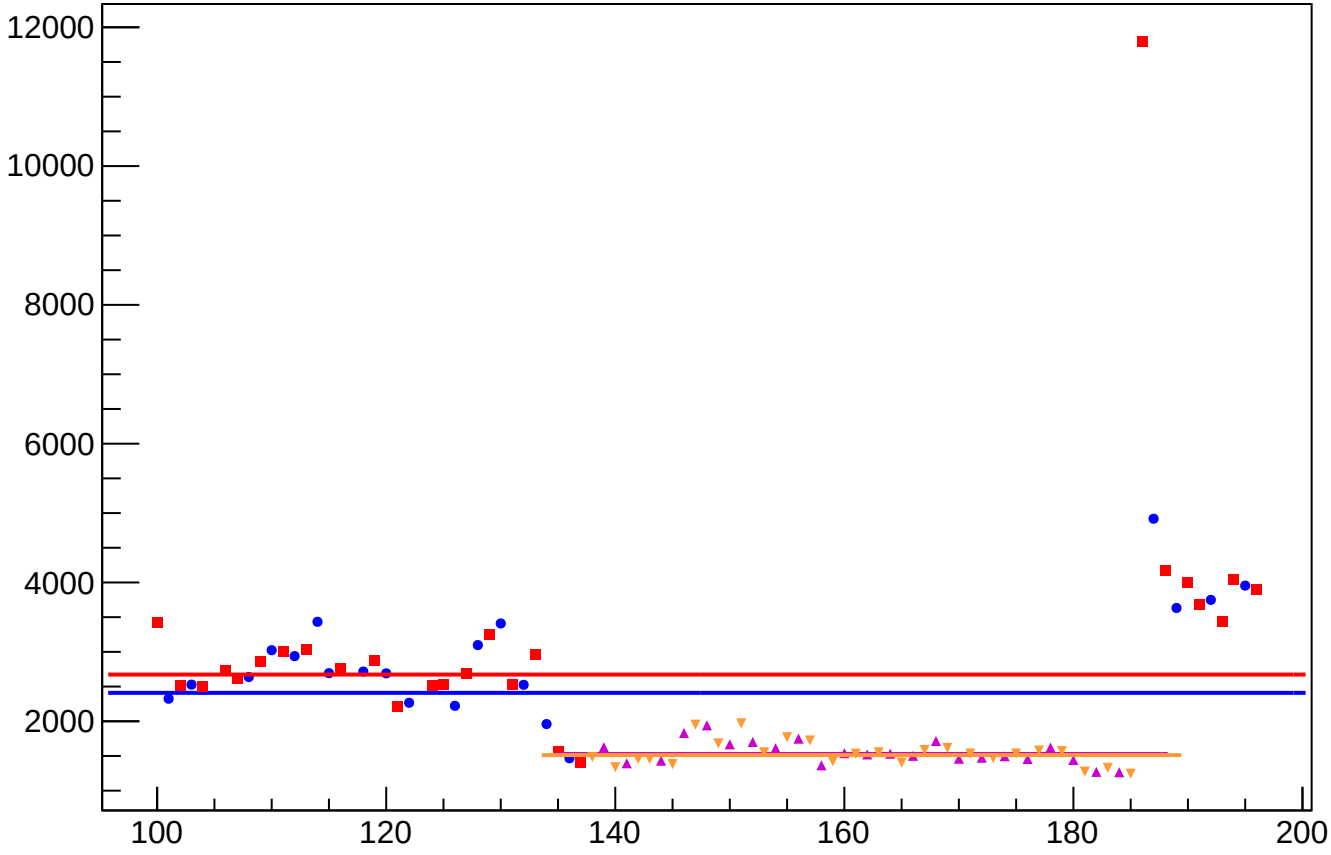
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.365+/-318.447 χ^2/NDF: 56.4/44

All: -510.752+/-228.754 χ^2/NDF: 118.2/93

- sign -117.738+/-328.818 χ^2/NDF: 59.1/48

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2409.492+/-0.572 χ^2/NDF: 1763720.2/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2673.080+/-0.577 χ^2/NDF: 2271144.6/25

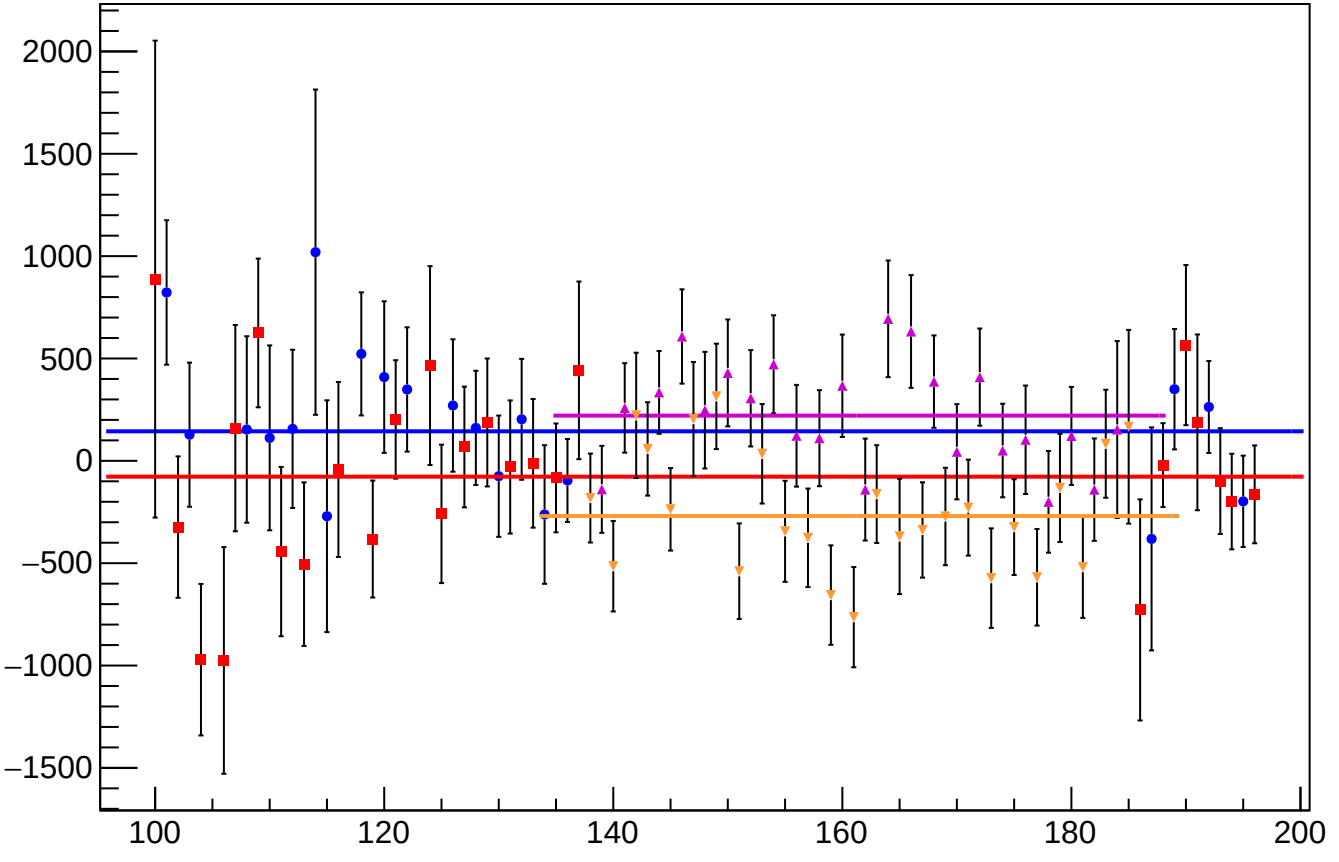
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282676.5/44

All: 1681.518+/-0.162 χ^2/NDF: 10263173.6/9

- sign 1713.835+/-0.233 χ^2/NDF: 5943058.4/48

dit_asym_sam_26_dd_mean vs Slug



Right In: 144.245+/-70.782 χ^2/NDF: 15.6/19

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -77.418+/-64.984 χ^2/NDF: 26.6/25

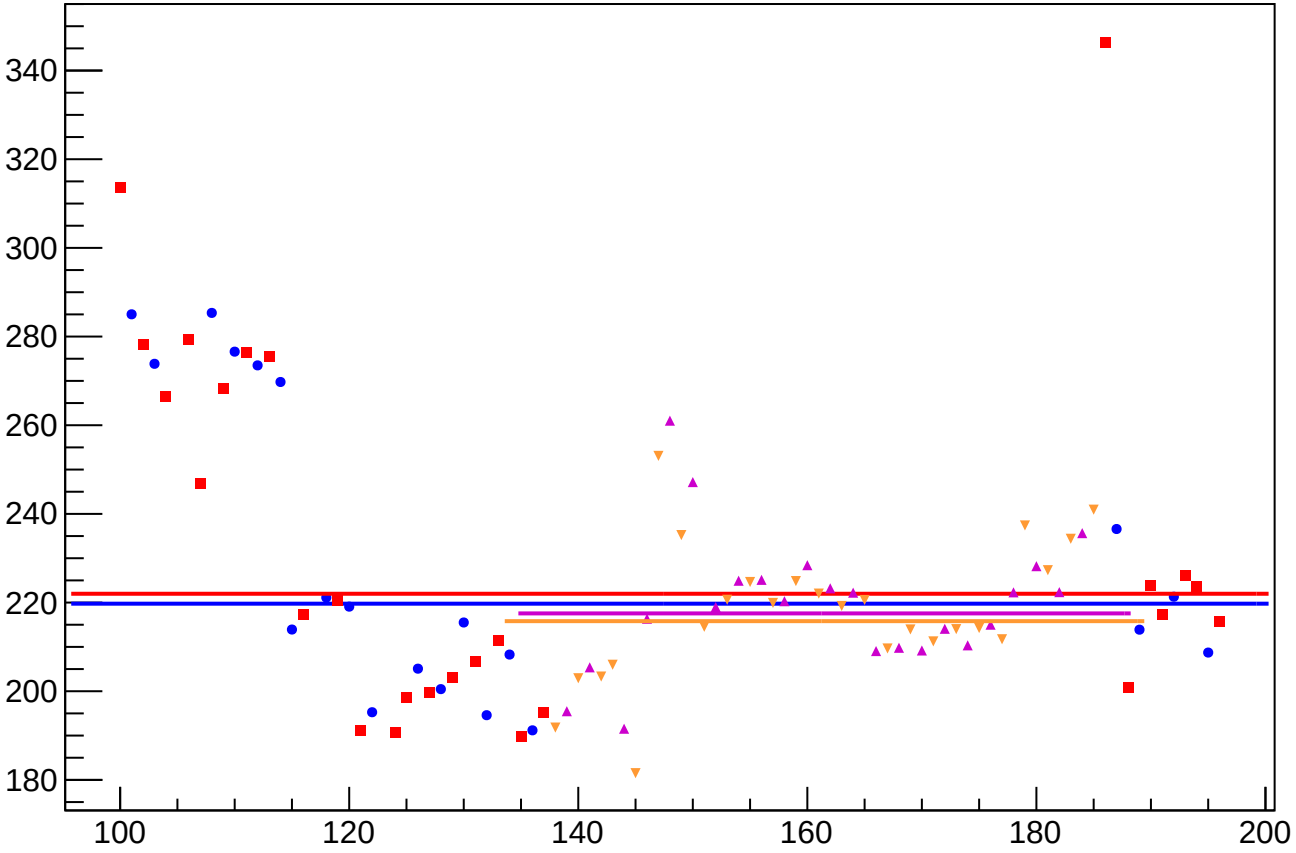
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -134.995+/-40.376 χ^2/NDF: 70.2/44

All: -12.996+/-28.451 χ^2/NDF: 151.4/93

- sign 107.333+/-40.098 χ^2/NDF: 63.1/48

dit_asym_sam_26_dd_rms vs Slug



Right In: 219.748+/-0.050 χ^2/NDF: 326952.7/19

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

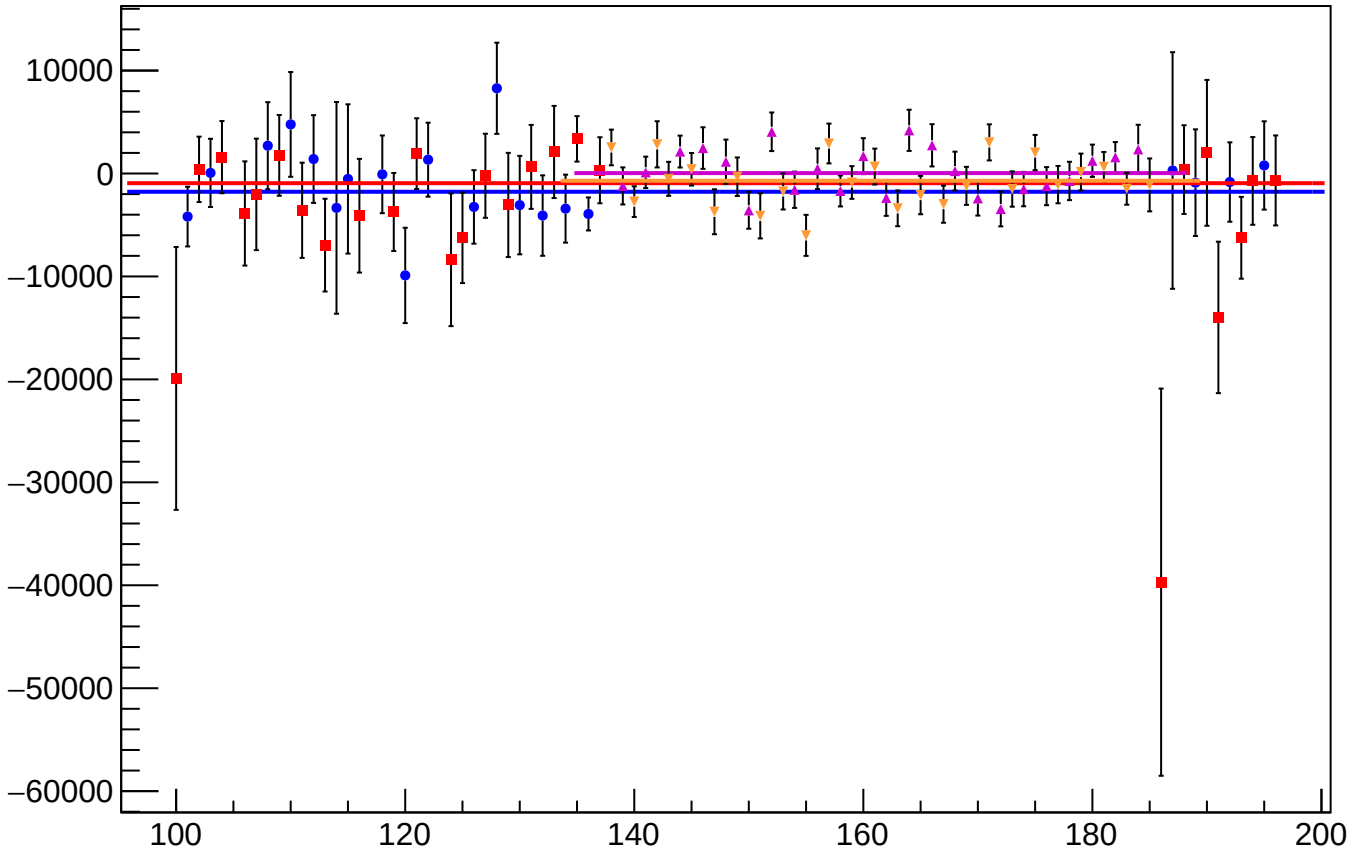
Right Out: 221.987+/-0.046 χ^2/NDF: 456782.3/25

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.089+/-0.029 χ^2/NDF: 519834.8/44

All: 218.173+/-0.020 χ^2/NDF: 1146307.8/93

- sign 219.242+/-0.028 χ^2/NDF: 623609.3/48



Right In: -1774.534+/-825.423 χ^2/NDF: 16.7/19

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -940.887+/-827.344 χ^2/NDF: 24.4/25

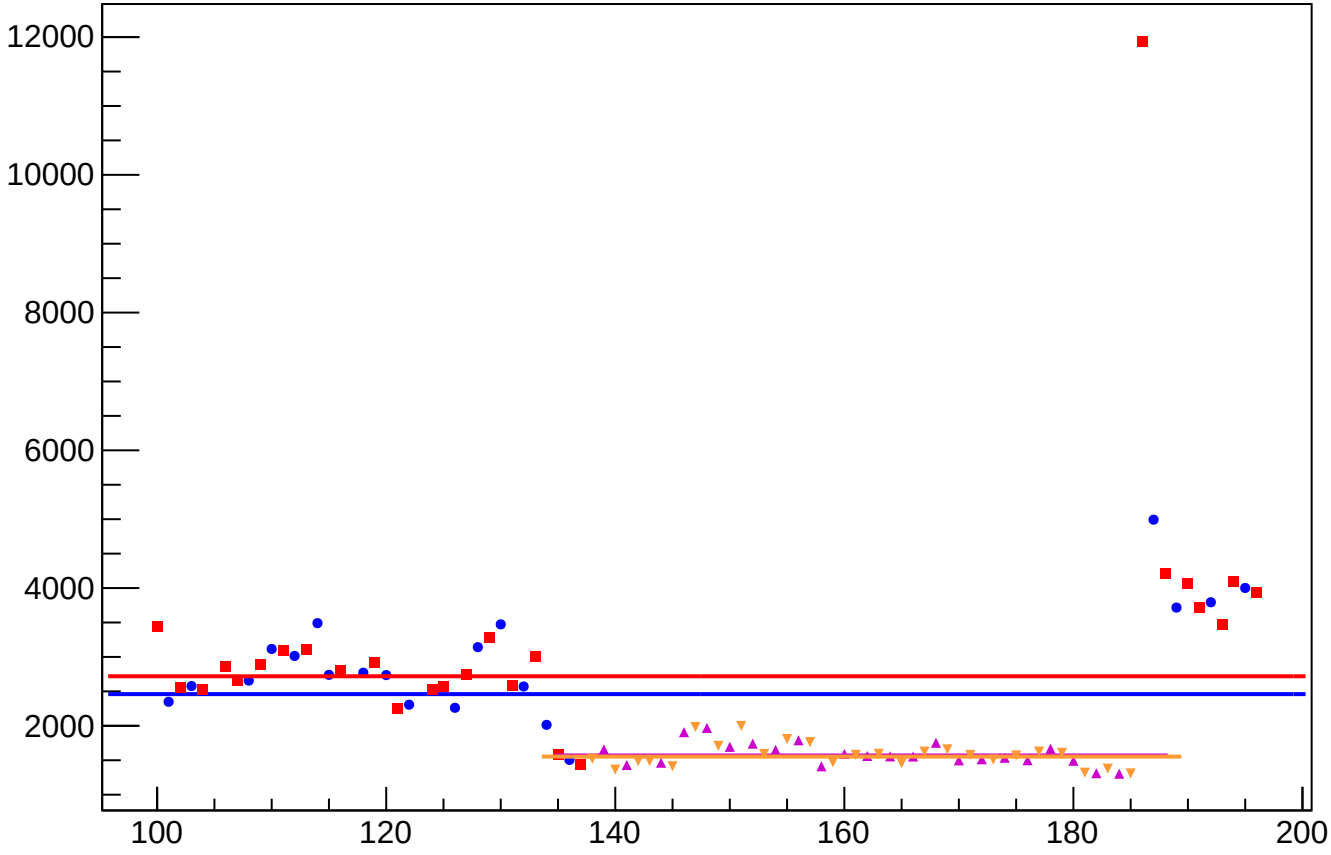
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -871.485+/-326.476 χ^2/NDF: 55.7/44

All: -508.976+/-234.453 χ^2/NDF: 118.2/93

- sign -122.938+/-336.905 χ^2/NDF: 59.9/48

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2460.111+/-0.584 χ^2/NDF: 1727238.7/19

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2719.175+/-0.585 χ^2/NDF: 2249542.1/25

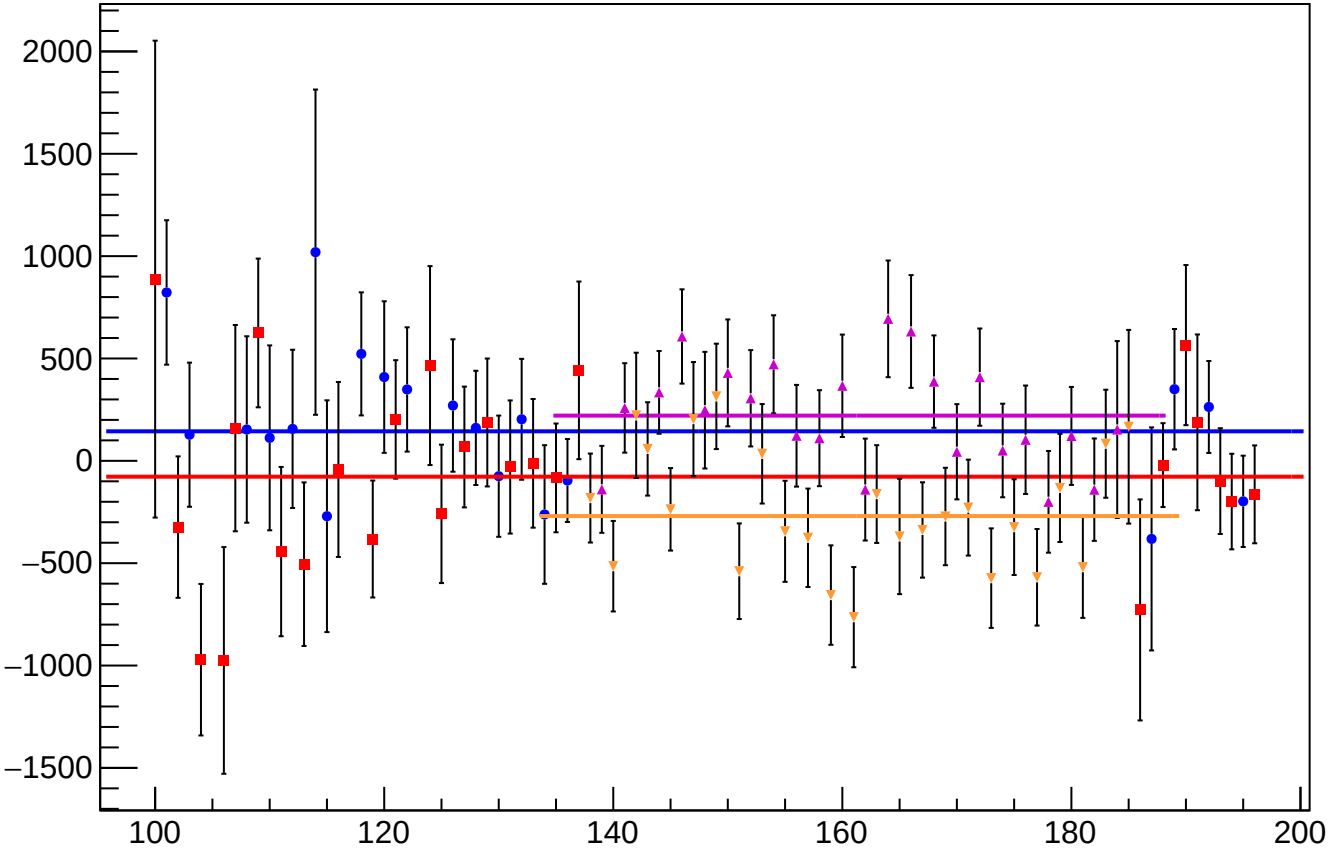
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1694.925+/-0.231 χ^2/NDF: 4174664.9/44

All: 1726.461+/-0.166 χ^2/NDF: 10042442.1/9

- sign 1760.044+/-0.238 χ^2/NDF: 5829243.8/48

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 144.247+/-70.782 χ^2/NDF: 15.6/19

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -77.419+/-64.984 χ^2/NDF: 26.6/25

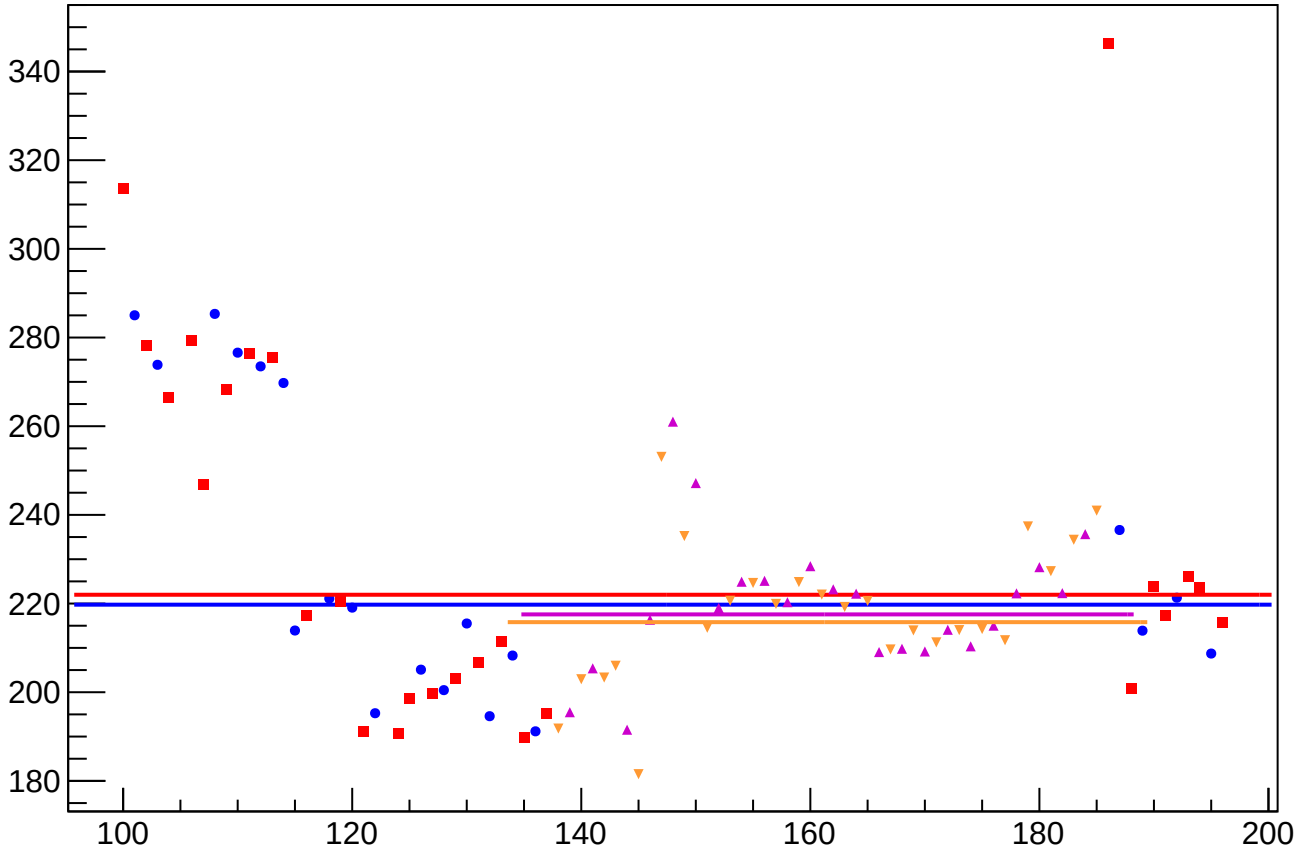
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -134.995+/-40.376 χ^2/NDF: 70.2/44

All: -12.996+/-28.451 χ^2/NDF: 151.4/93

- sign 107.333+/-40.098 χ^2/NDF: 63.1/48

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 219.747+/-0.050 χ^2/NDF: 326946.1/19

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

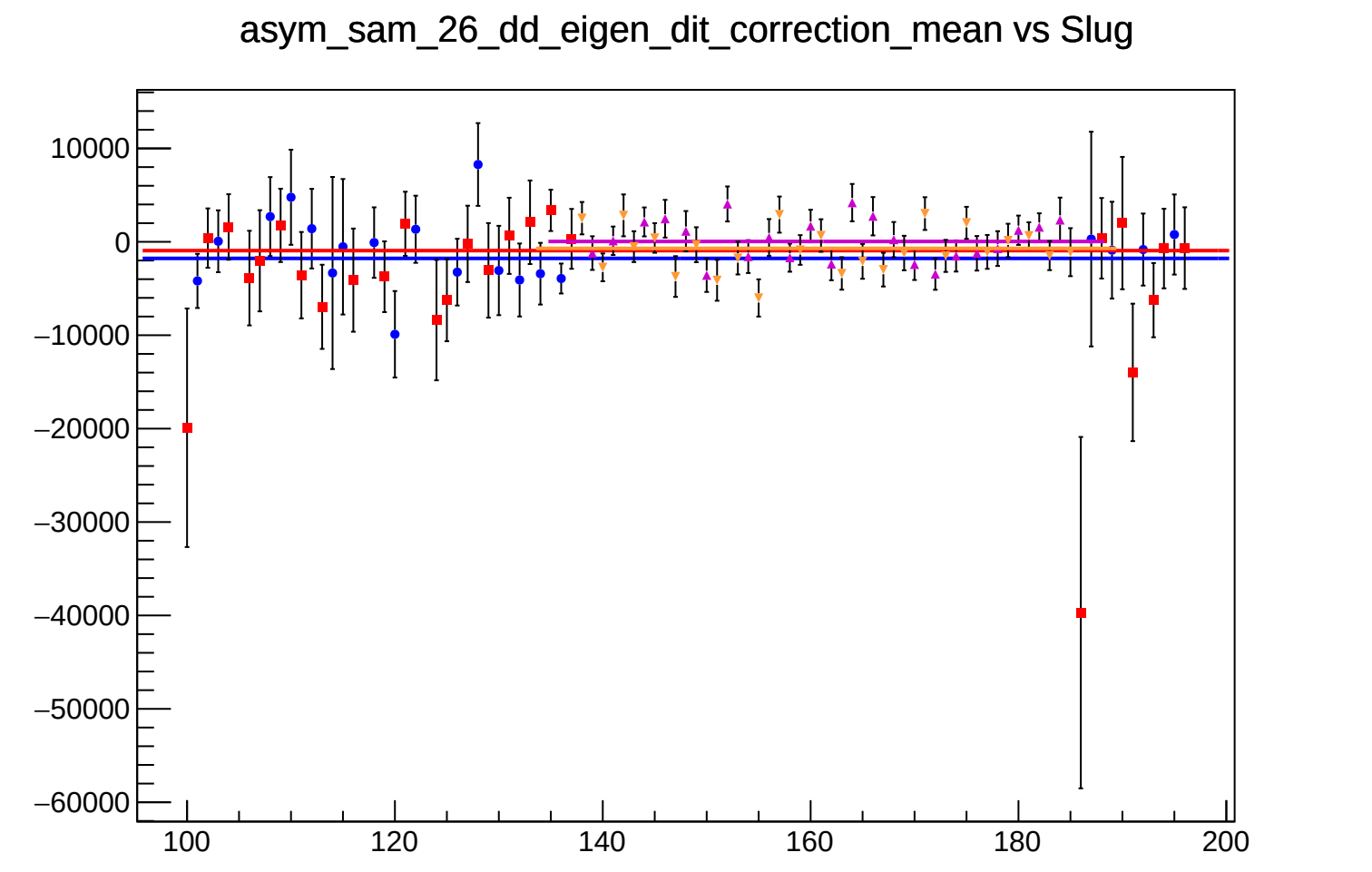
Right Out: 221.986+/-0.046 χ^2/NDF: 456766.9/25

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.089+/-0.029 χ^2/NDF: 519830.9/44

All: 218.173+/-0.020 χ^2/NDF: 1146289.9/93

- sign 219.242+/-0.028 χ^2/NDF: 623595.3/48



Right In: -1774.530+/-825.421 χ^2/NDF: 16.7/19

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

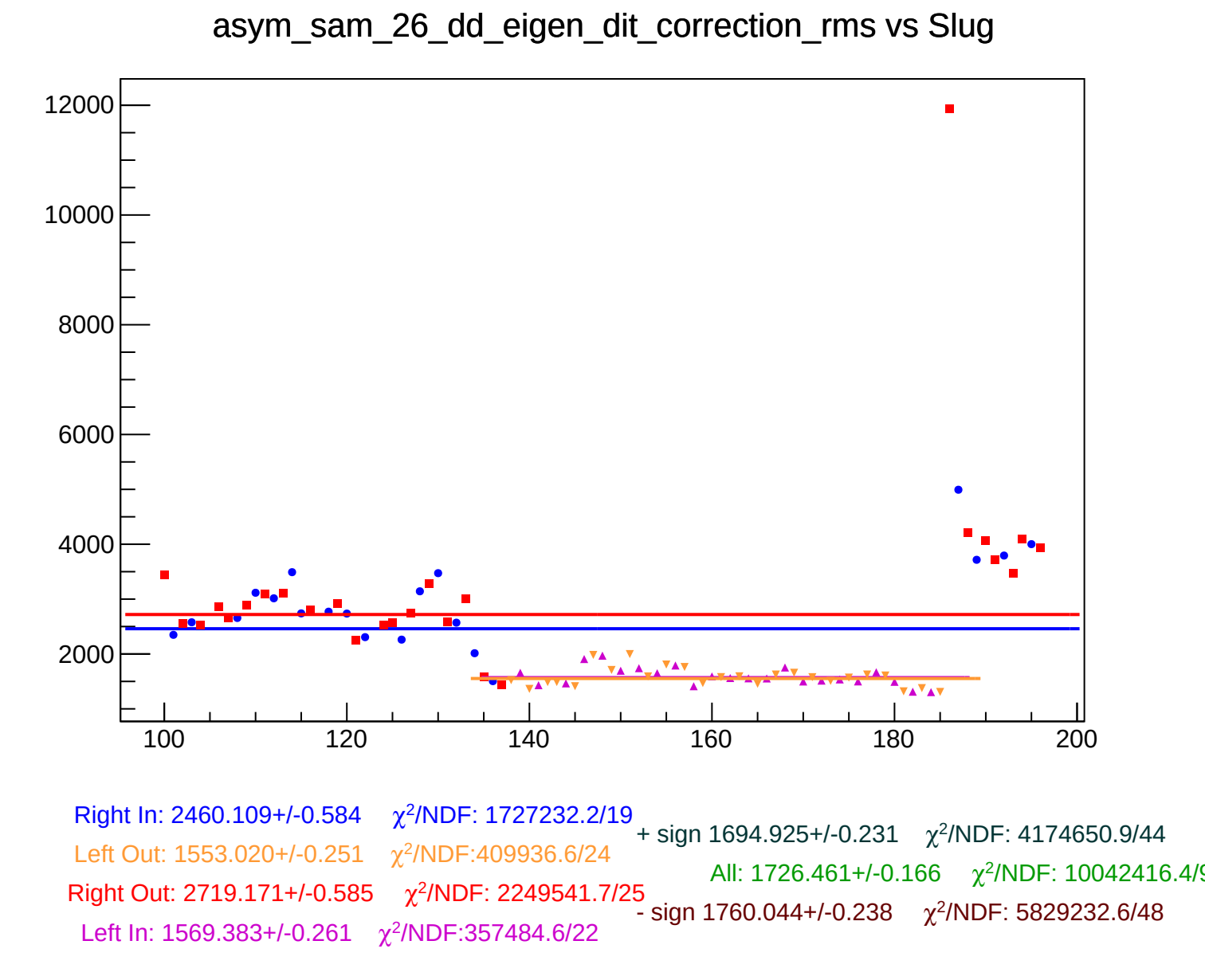
Right Out: -940.887+/-827.343 χ^2/NDF: 24.4/25

Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

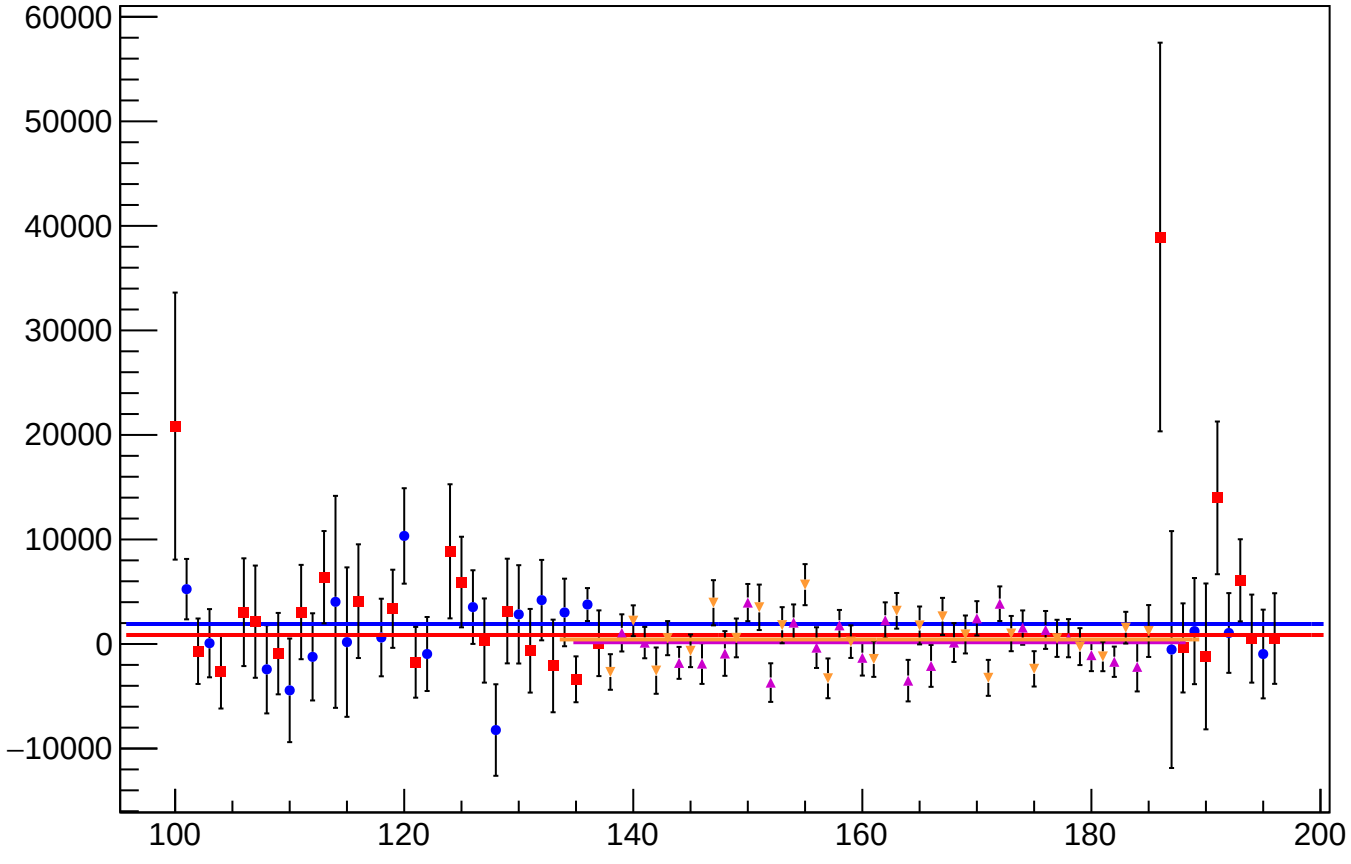
+ sign -871.485+/-326.476 χ^2/NDF: 55.7/44

All: -508.977+/-234.453 χ^2/NDF: 118.2/93

- sign -122.939+/-336.904 χ^2/NDF: 59.9/48


asym_sam_26_dd_eigen_dit_correction_rms vs Slug
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2460.109+/-0.584 χ²/NDF: 1727232.2/19
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2719.171+/-0.585 χ²/NDF: 2249541.7/25
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
+ sign 1694.925+/-0.231 χ²/NDF: 4174650.9/44
All: 1726.461+/-0.166 χ²/NDF: 10042416.4/9
- sign 1760.044+/-0.238 χ²/NDF: 5829232.6/48

asym_sam_26_dd_mean vs Slug



Right In: 1912.896+/-813.077 χ^2/NDF: 17.3/19

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 861.586+/-818.089 χ^2/NDF: 24.3/25

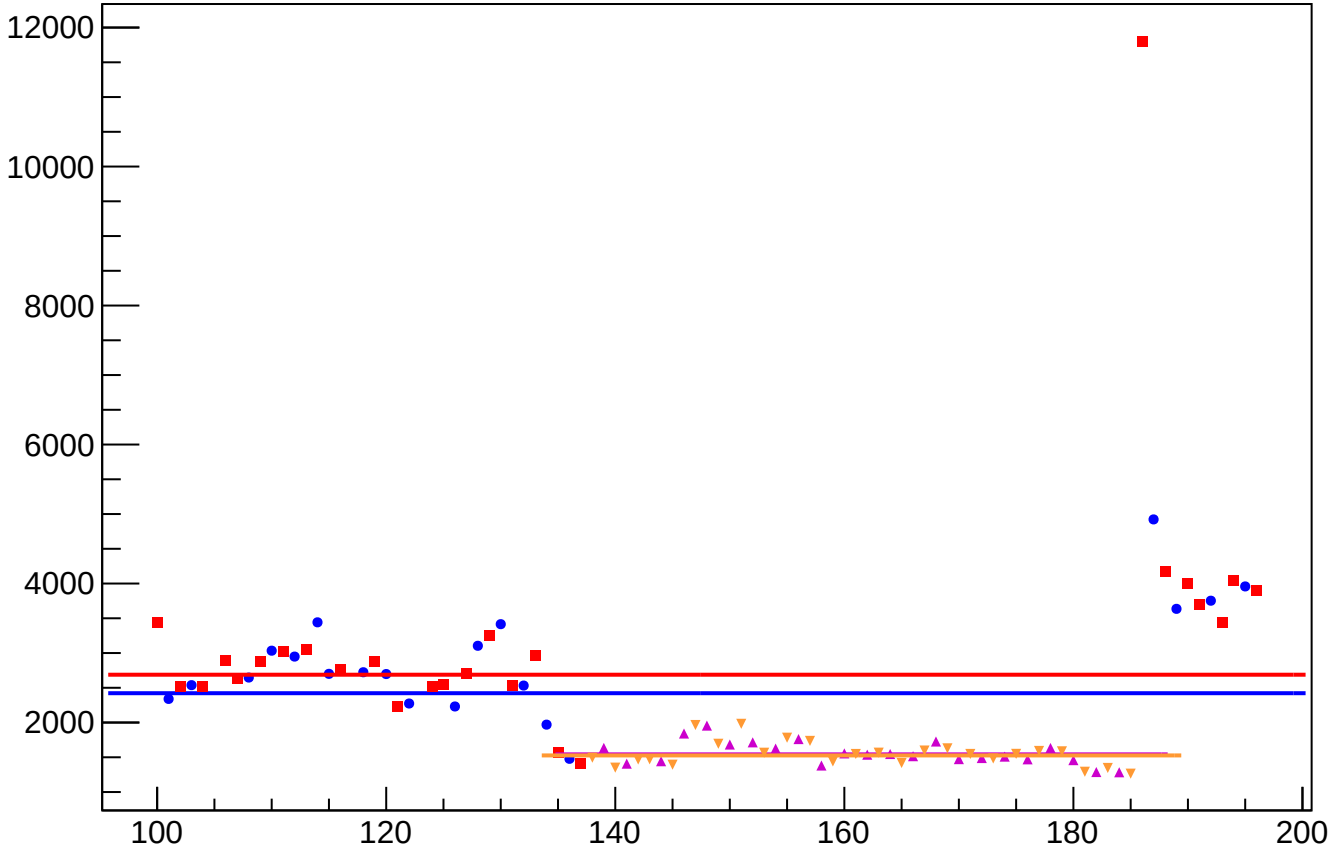
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 667.703+/-321.155 χ^2/NDF: 58.9/44

All: 481.610+/-230.648 χ^2/NDF: 117.5/93

- sign 283.384+/-331.459 χ^2/NDF: 57.9/48

asym_sam_26_dd_rms vs Slug



Right In: 2421.995+/-0.575 χ^2/NDF: 1739227.1/19

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2688.012+/-0.578 χ^2/NDF: 2250006.7/25

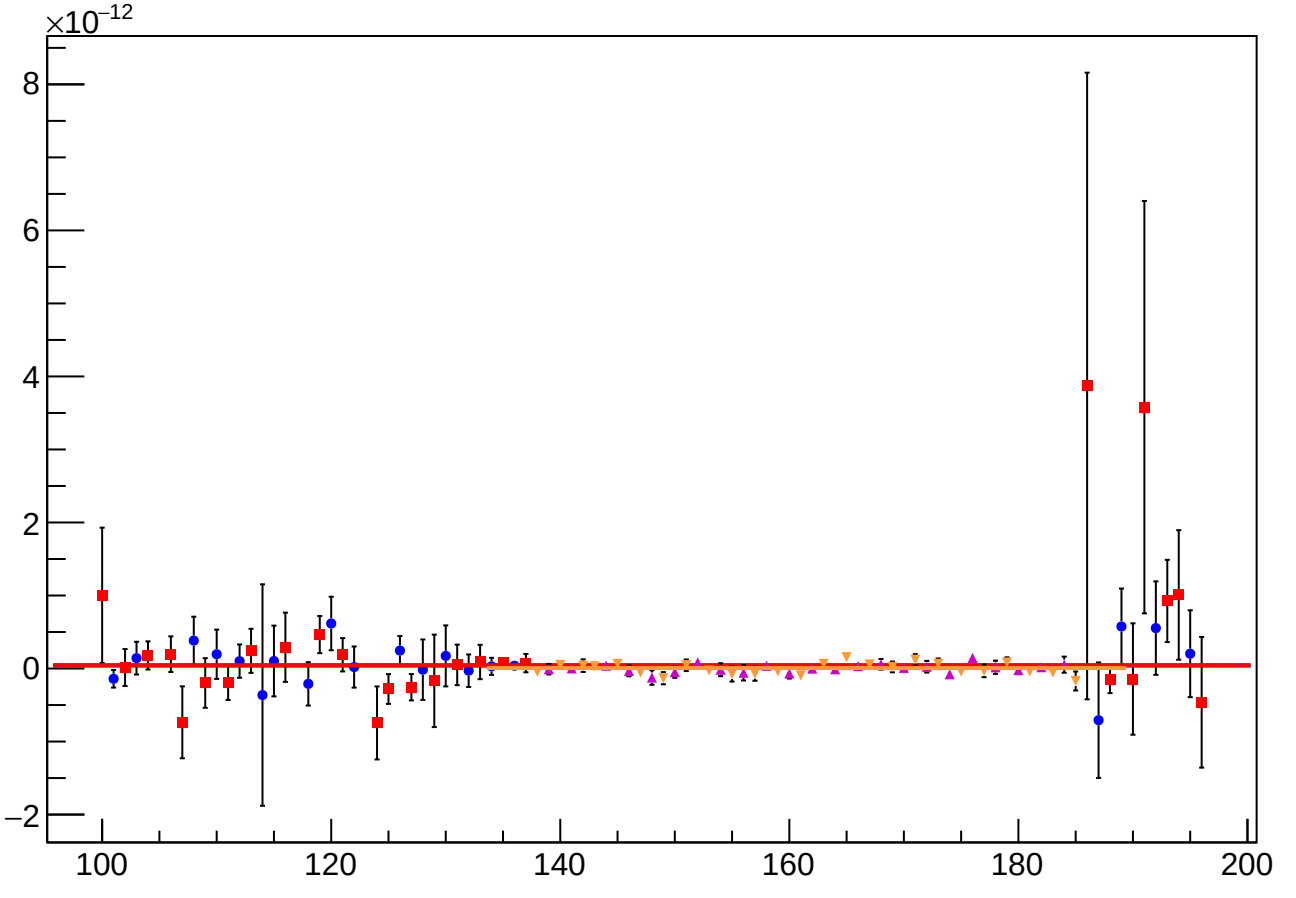
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1666.401+/-0.227 χ^2/NDF: 4215175.2/44

All: 1697.364+/-0.163 χ^2/NDF: 10144799.4/9

- 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: 11.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

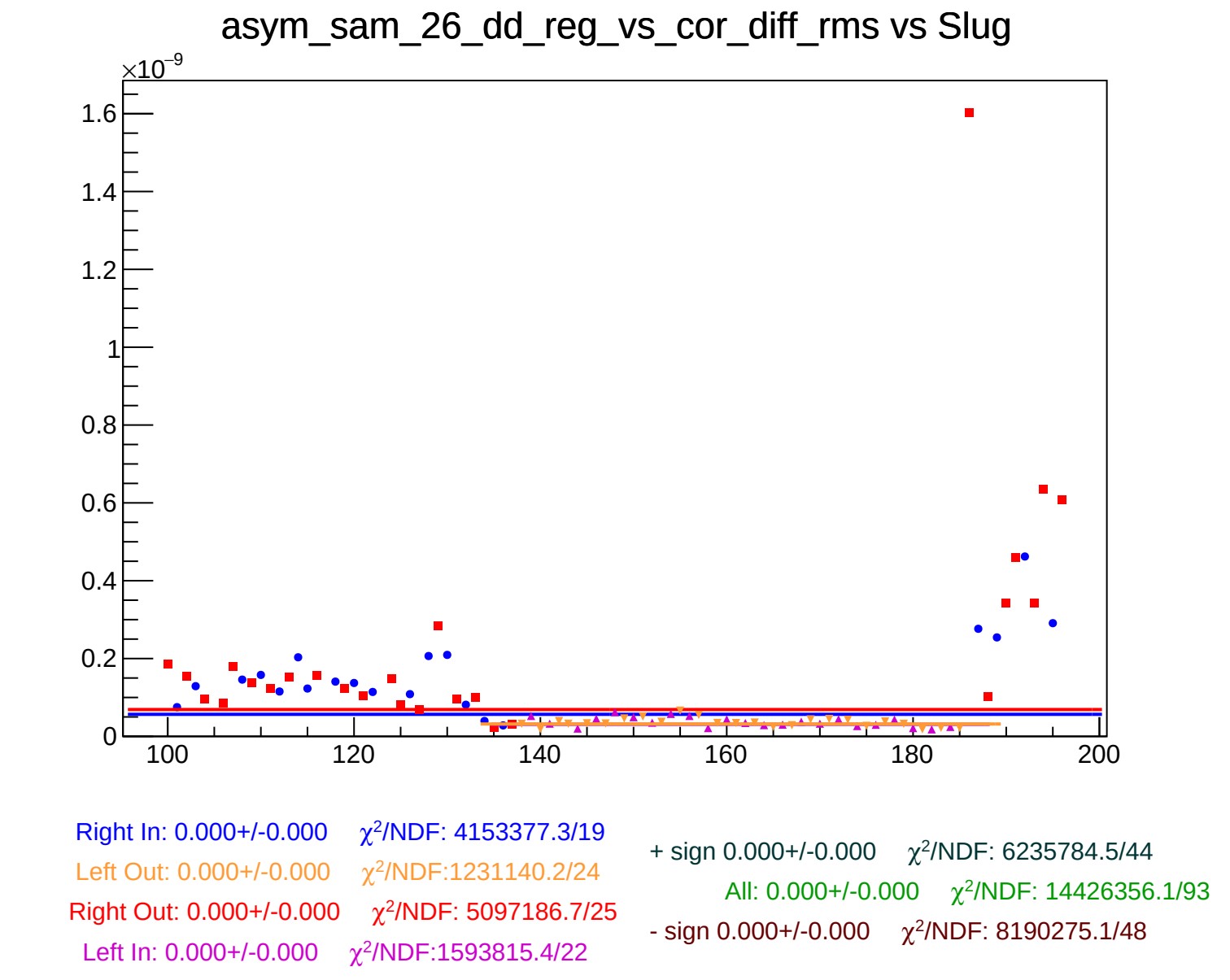
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/25

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

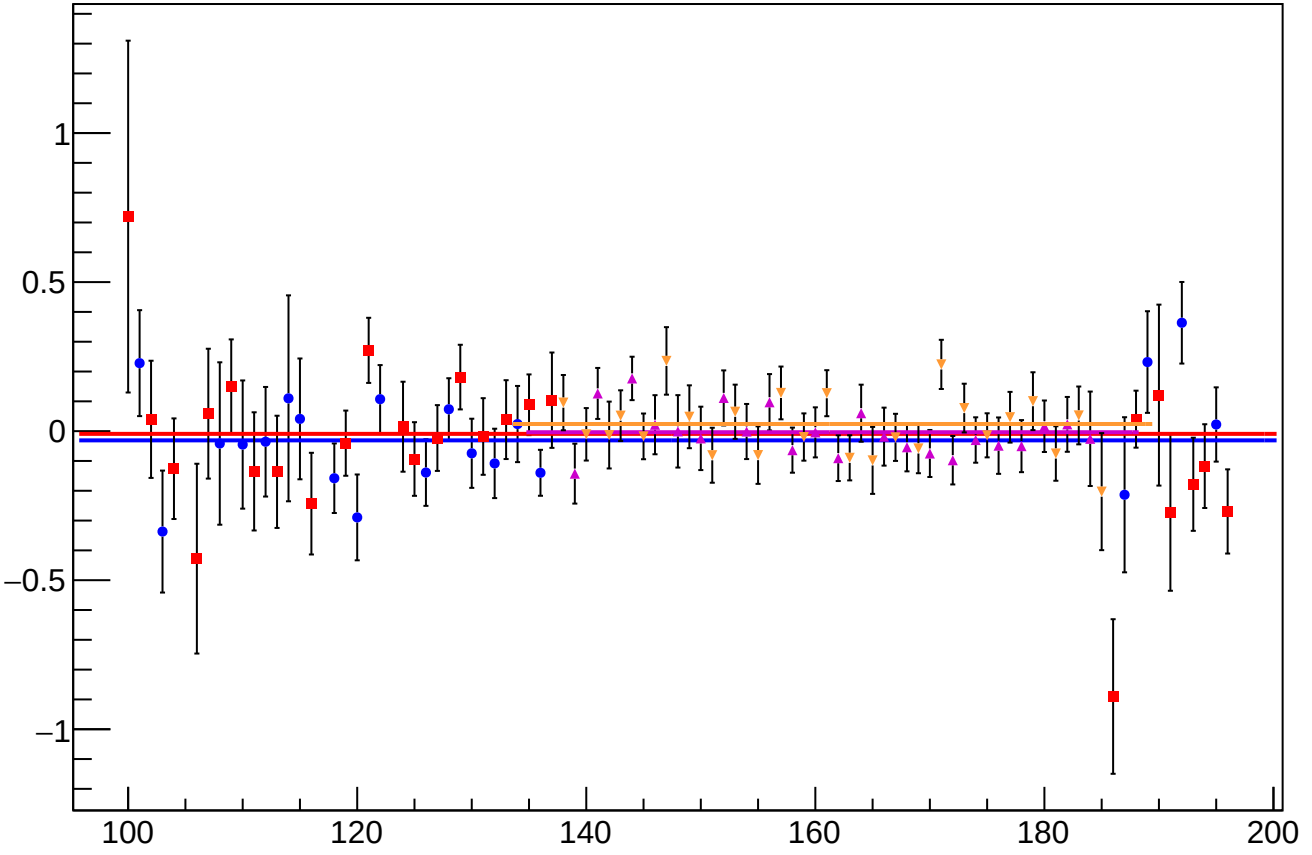
+ sign 0.000+/-0.000 χ^2/NDF: 42.8/44

All: 0.000+/-0.000 χ^2/NDF: 86.1/93

- sign 0.000+/-0.000 χ^2/NDF: 43.3/48


asym_sam_26_dd_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: 4153377.3/19
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 5097186.7/25
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
+ sign 0.000+/-0.000 χ²/NDF: 6235784.5/44
All: 0.000+/-0.000 χ²/NDF: 14426356.1/93
- sign 0.000+/-0.000 χ²/NDF: 8190275.1/48

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

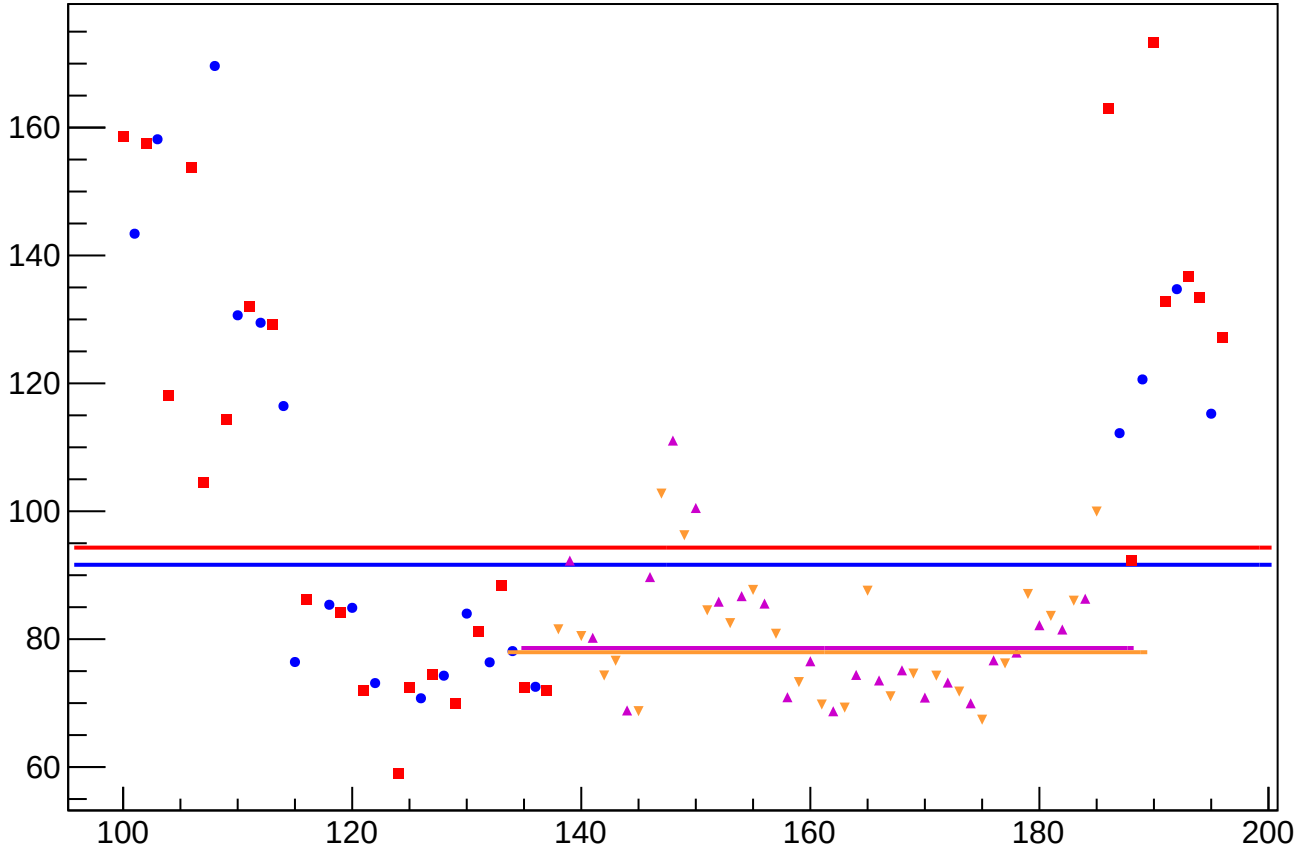
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.002+/-0.011 χ^2/NDF: 111.5/93

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 91.631+/-0.022 χ^2/NDF: 1433875.9/19

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

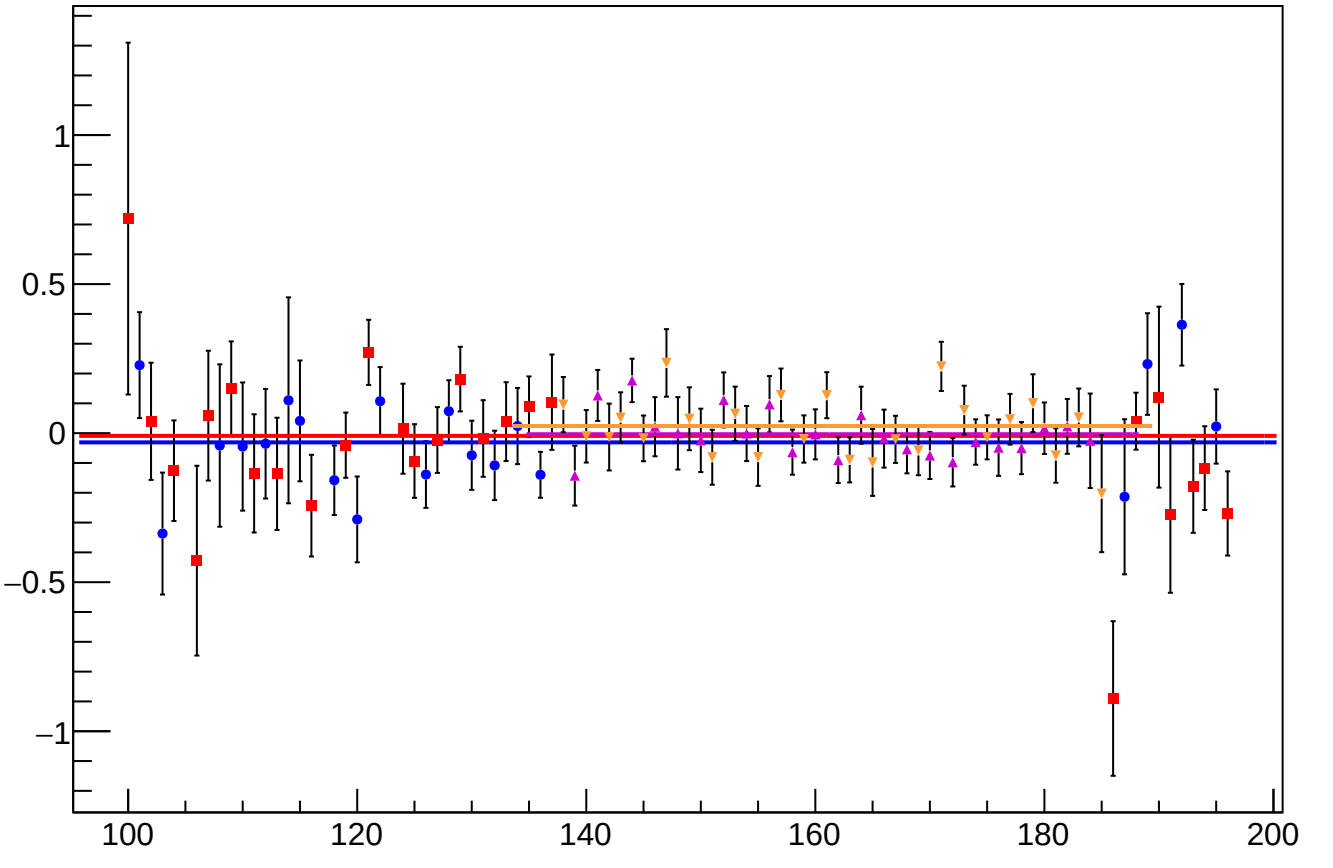
Right Out: 94.316+/-0.020 χ^2/NDF: 1846446.6/25

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 81.432+/-0.011 χ^2/NDF: 2171569.7/44

All: 82.326+/-0.008 χ^2/NDF: 4950864.6/93

- sign 83.241+/-0.011 χ^2/NDF: 2765684.5/48



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

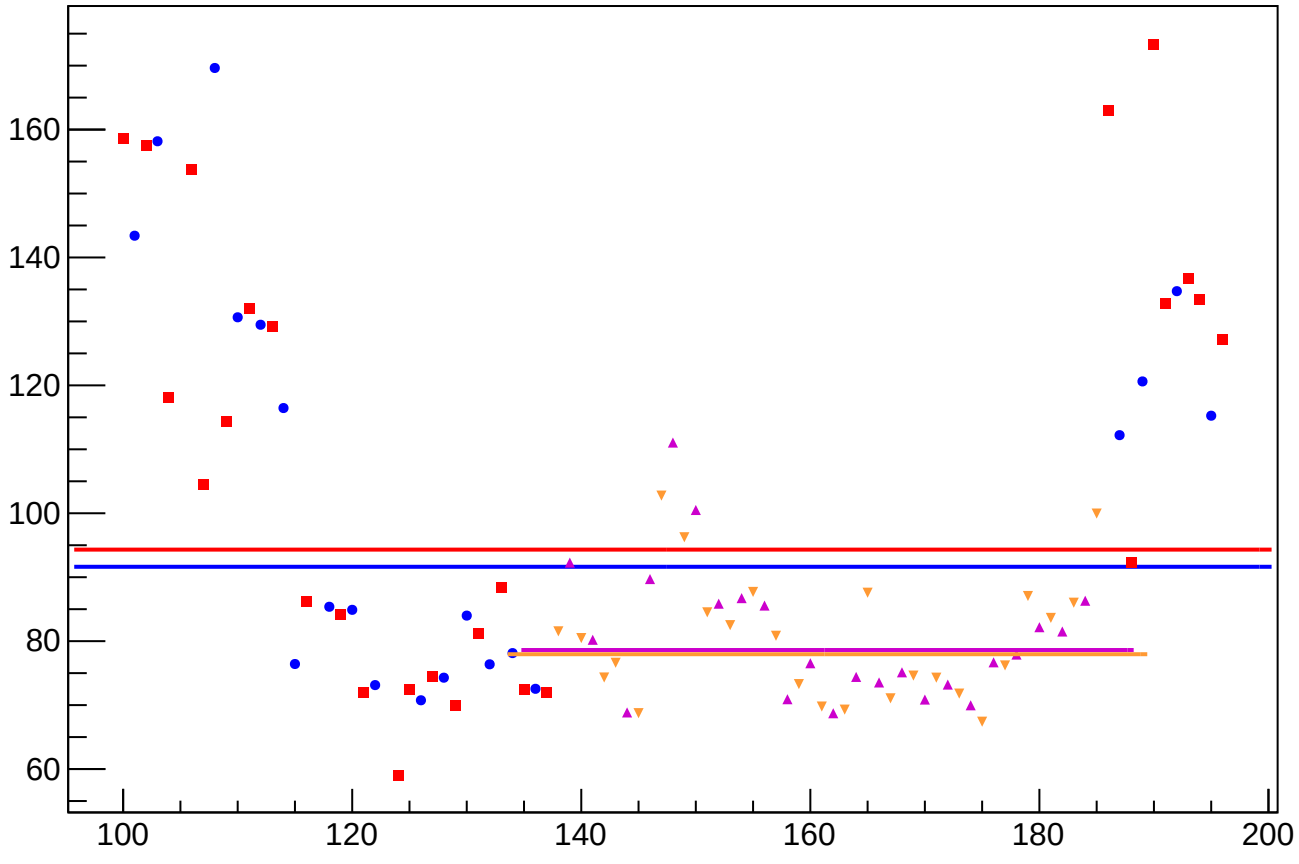
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.002+/-0.011 χ^2/NDF: 111.5/93

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 91.631+/-0.022 χ^2/NDF: 1433875.9/19

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

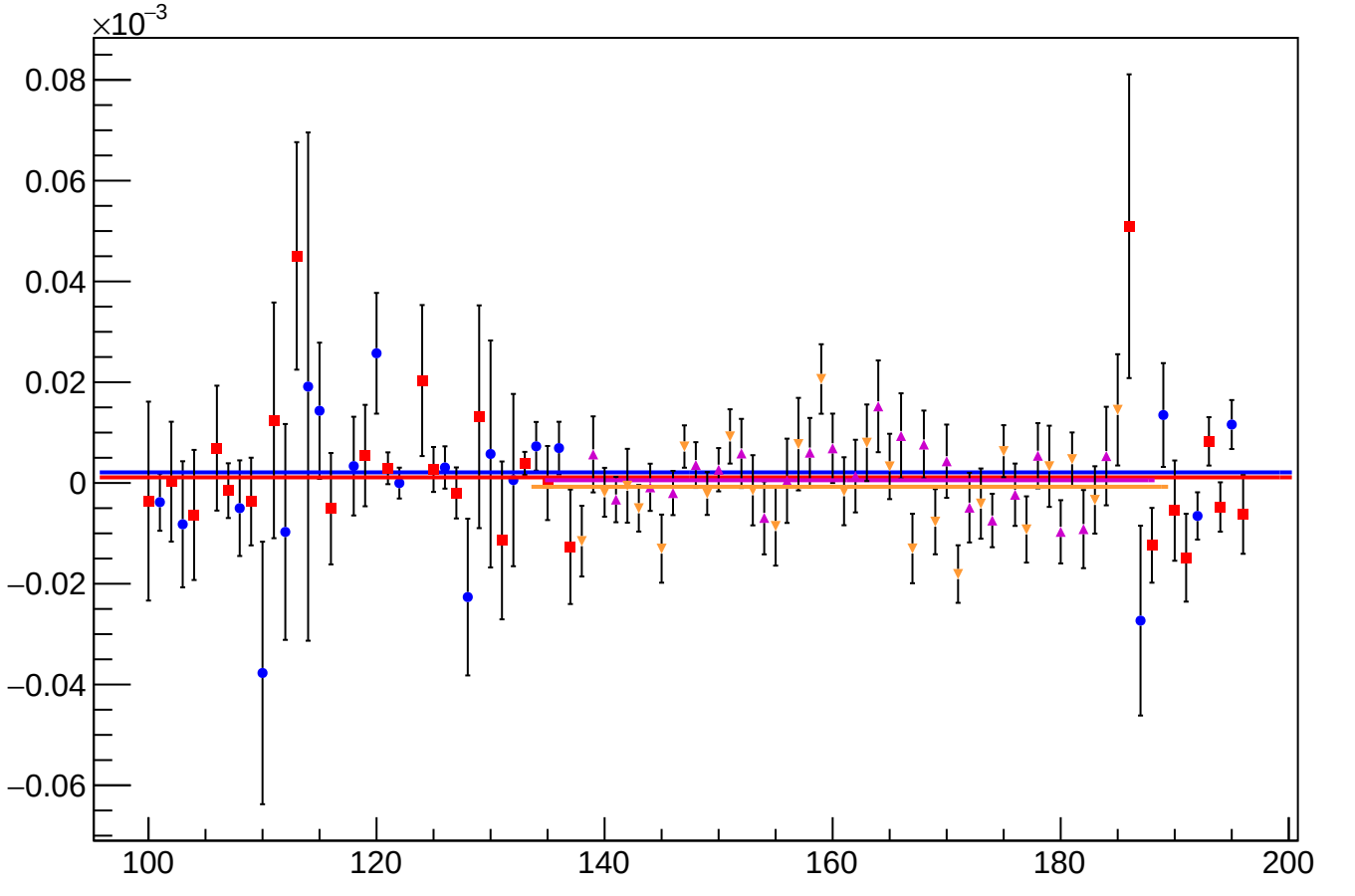
Right Out: 94.316+/-0.020 χ^2/NDF: 1846446.6/25

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 81.432+/-0.011 χ^2/NDF: 2171569.7/44

All: 82.326+/-0.008 χ^2/NDF: 4950864.6/93

- sign 83.241+/-0.011 χ^2/NDF: 2765684.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/25

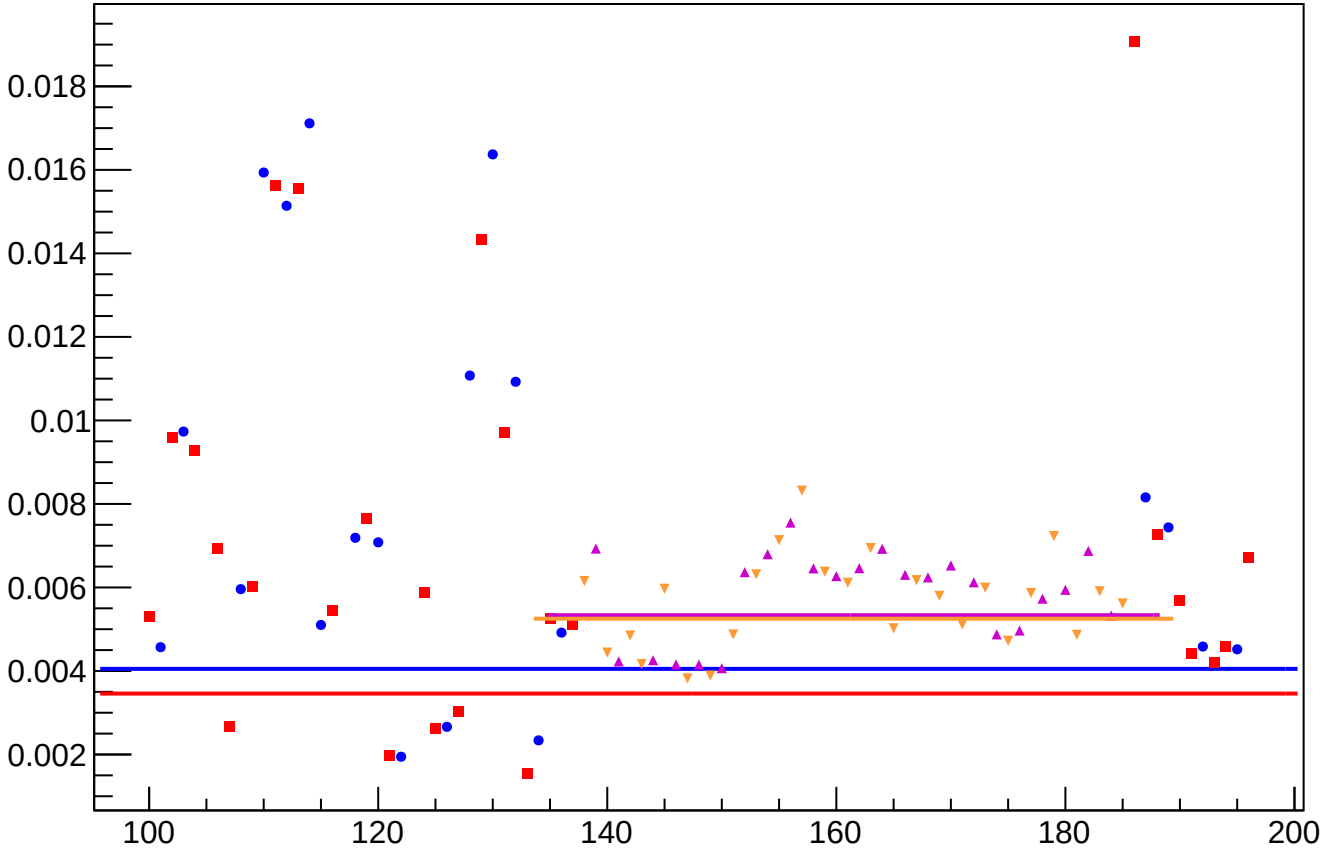
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.5/44

All: 0.000+/-0.000 χ^2/NDF: 120.8/93

- 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: 5096812.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

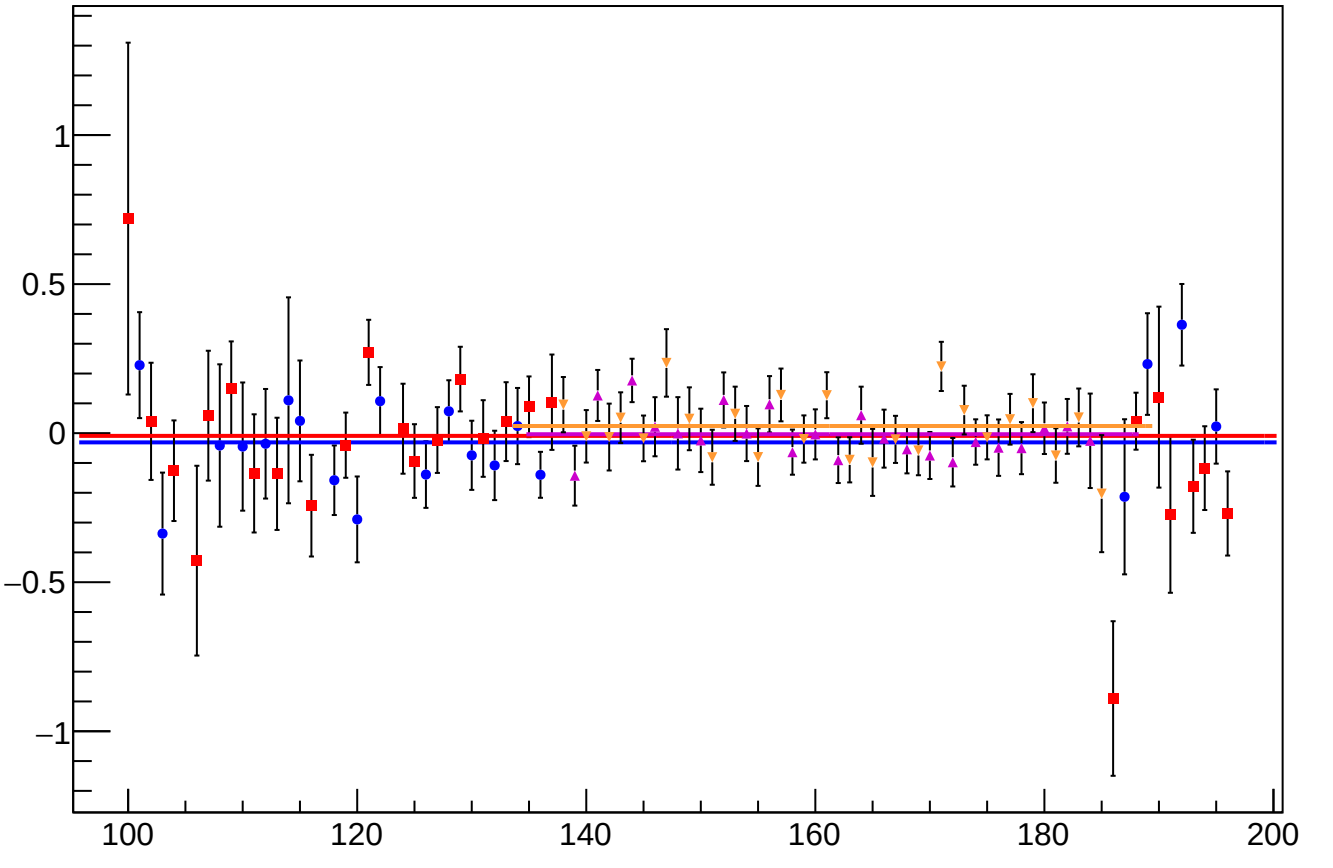
Right Out: 0.003+/-0.000 χ^2/NDF: 7490910.4/25

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7361123.0/44

All: 0.005+/-0.000 χ^2/NDF: 18783059.3/93

- sign 0.004+/-0.000 χ^2/NDF: 11216995.8/48



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

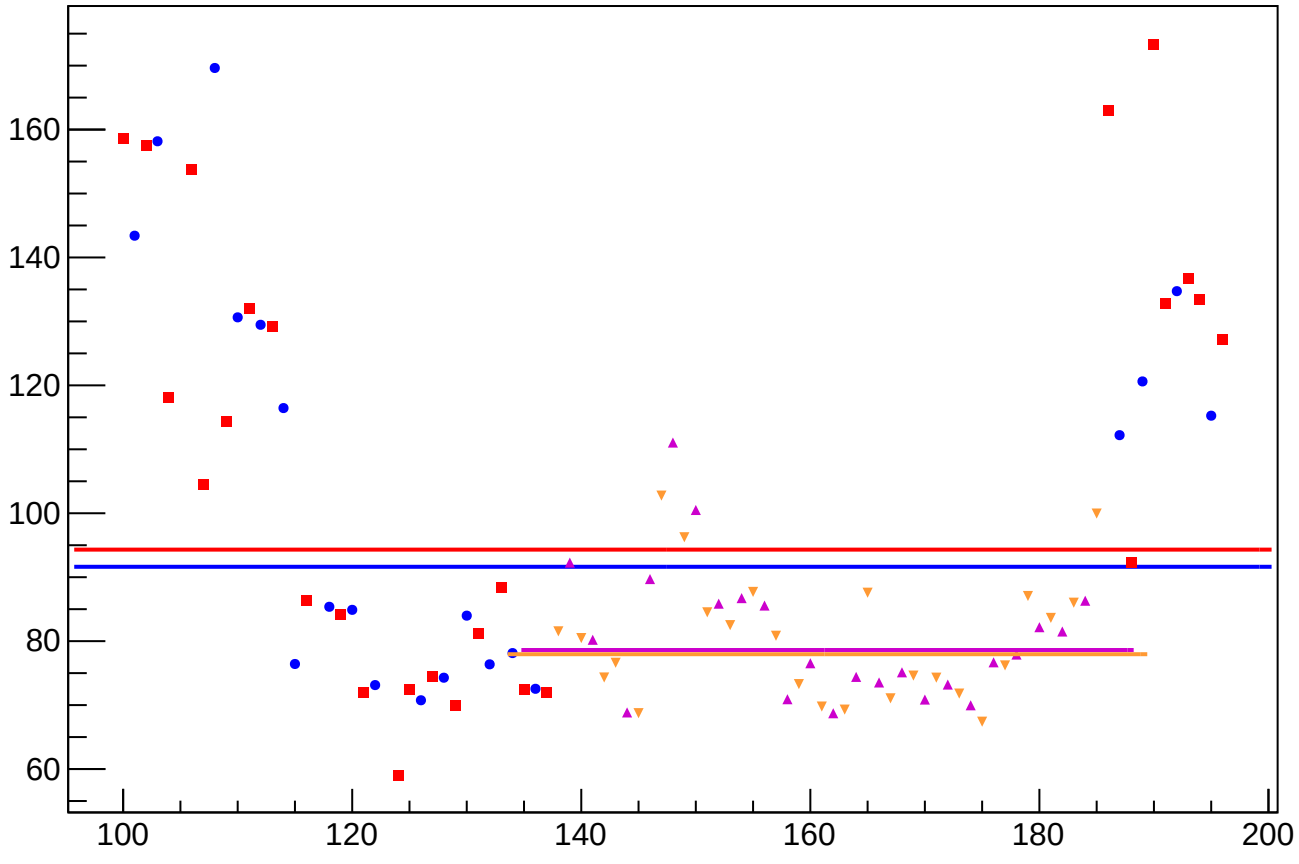
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.002+/-0.011 χ^2/NDF: 111.5/93

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

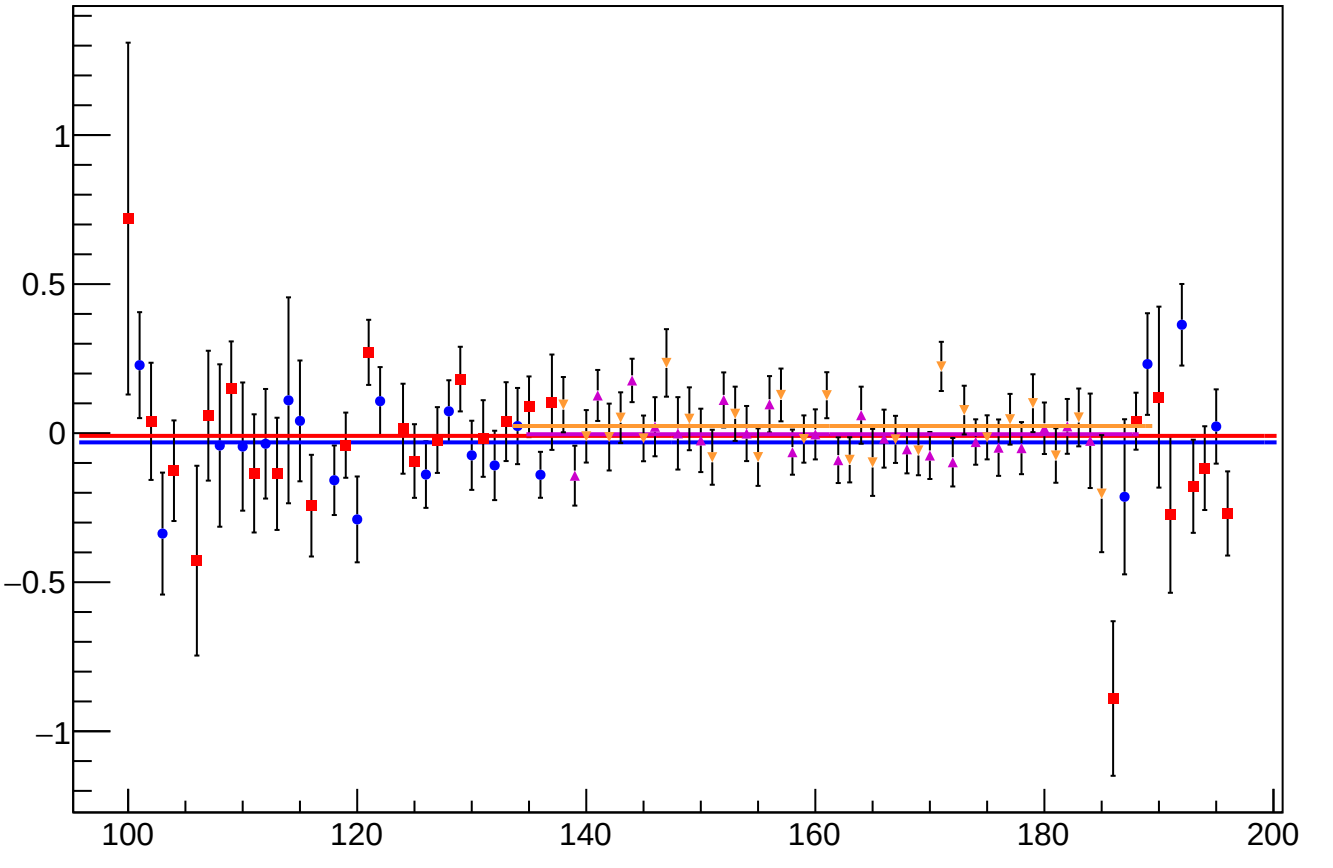
Right Out: 94.313+/-0.020 χ^2/NDF: 1846477.7/25

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 81.431+/-0.011 χ^2/NDF: 2171571.4/44

All: 82.325+/-0.008 χ^2/NDF: 4950873.7/93

- sign 83.240+/-0.011 χ^2/NDF: 2765694.8/48



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

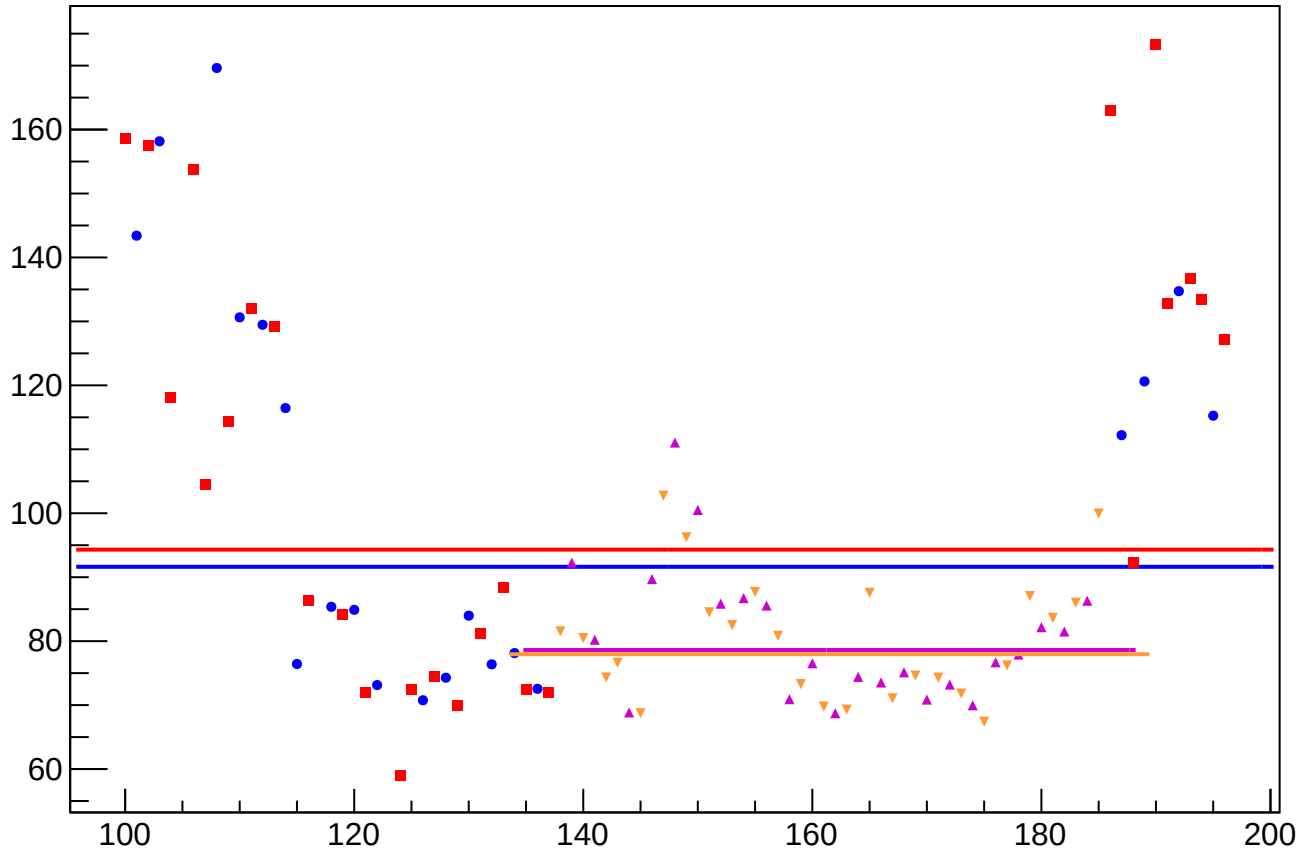
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.002+/-0.011 χ^2/NDF: 111.5/93

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

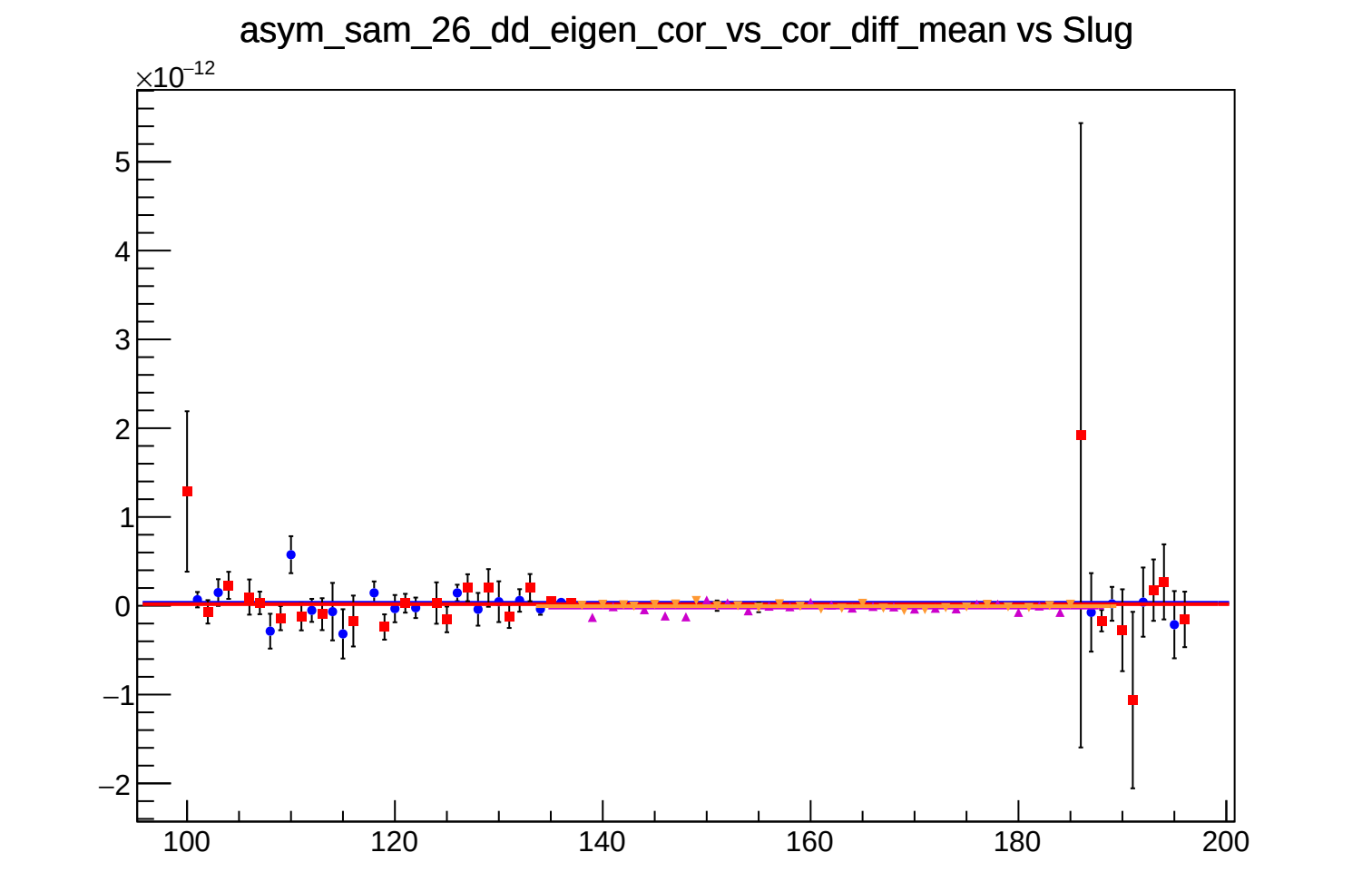
Right Out: 94.313+/-0.020 χ^2/NDF: 1846477.7/25

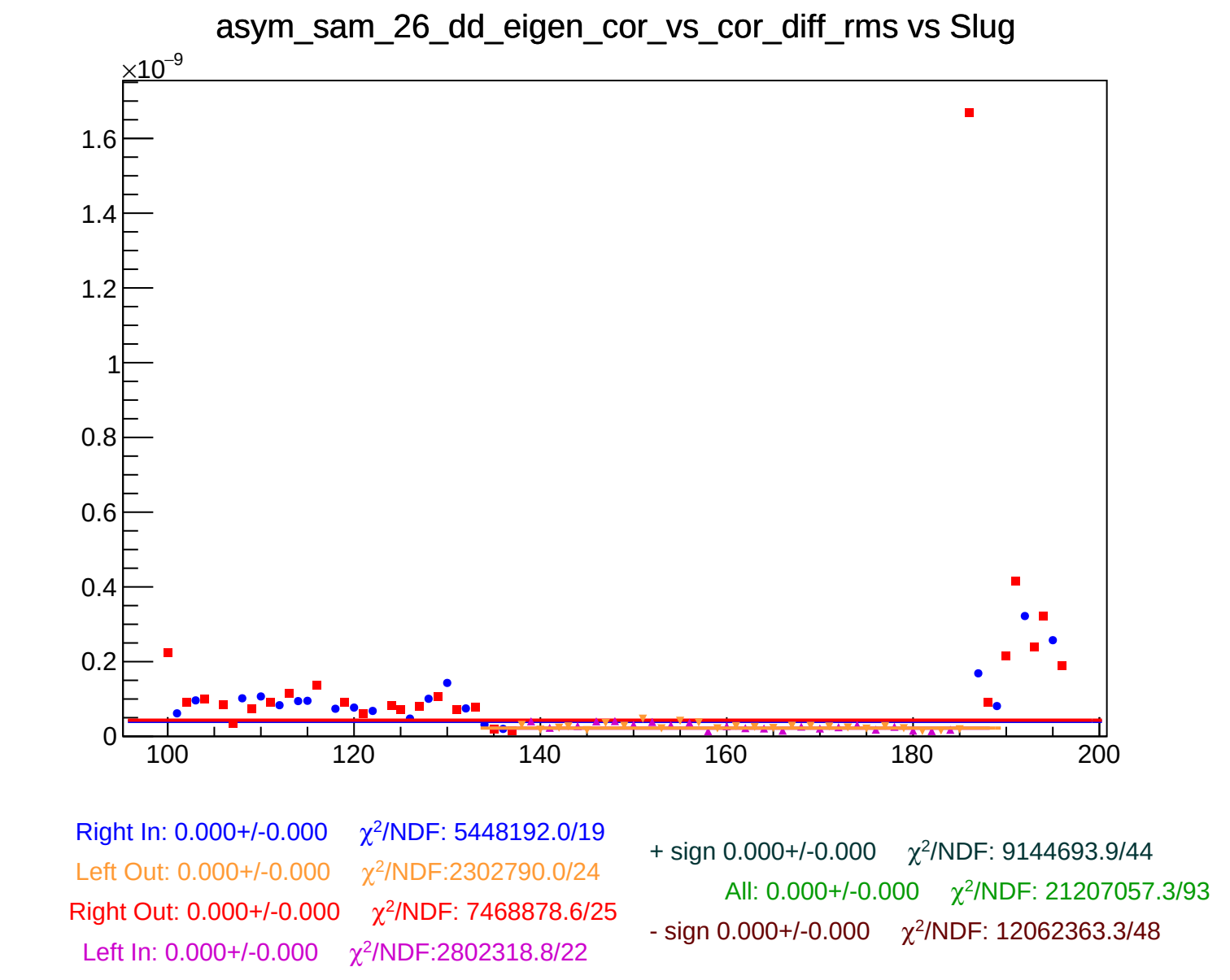
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 81.431+/-0.011 χ^2/NDF: 2171571.4/44

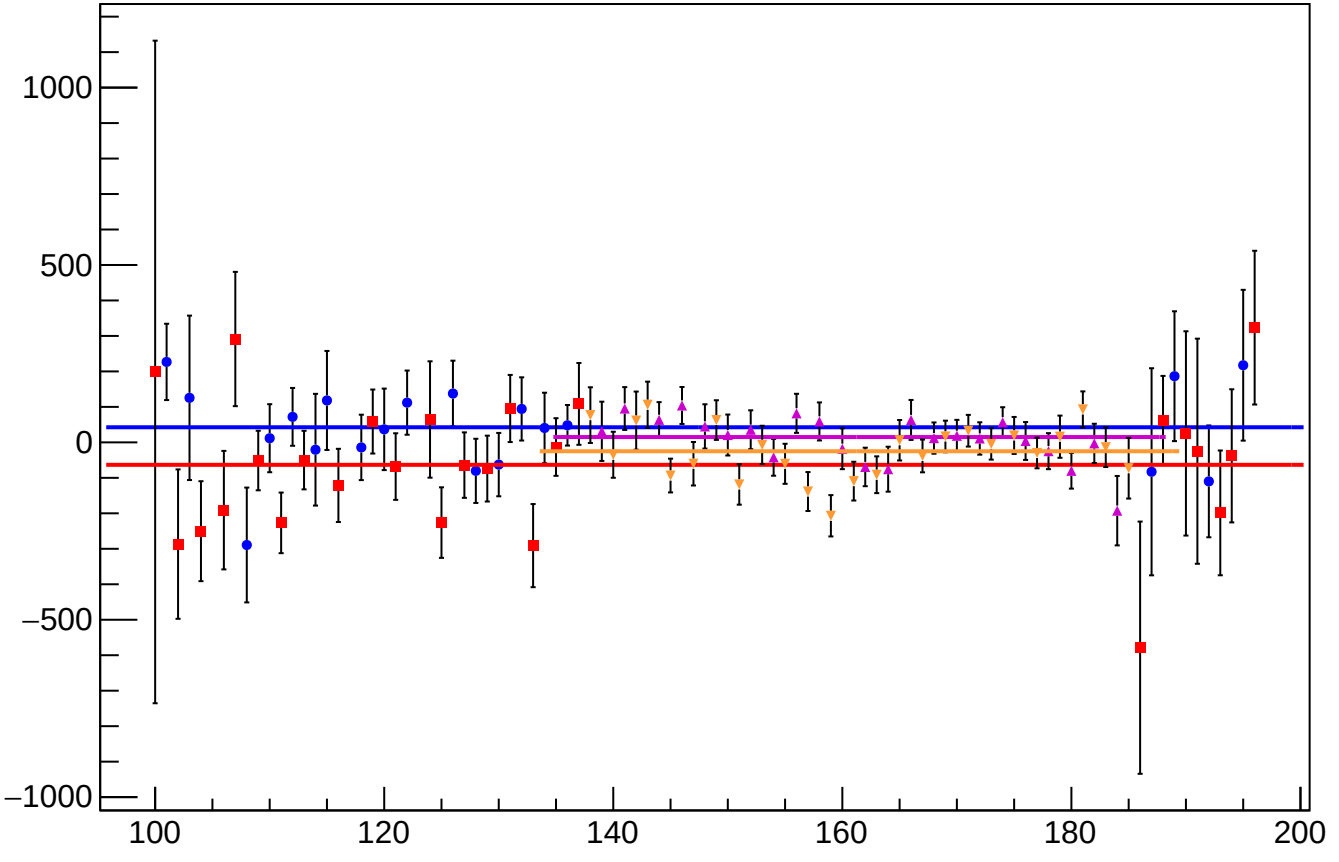
All: 82.325+/-0.008 χ^2/NDF: 4950873.7/93

- 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: 16.9/19
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: 33.2/44
All: -0.000+/-0.000 χ²/NDF: 103.2/93
- sign -0.000+/-0.000 χ²/NDF: 66.1/48


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5448192.0/19
Left Out: 0.000+/-0.000 χ²/NDF:2302790.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7468878.6/25
Left In: 0.000+/-0.000 χ²/NDF:2802318.8/22
+ sign 0.000+/-0.000 χ²/NDF: 9144693.9/44
All: 0.000+/-0.000 χ²/NDF: 21207057.3/93
- sign 0.000+/-0.000 χ²/NDF: 12062363.3/48

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.548+/-23.502 χ^2/NDF: 16.0/19

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 -13.054+/-9.879 χ^2/NDF: 65.9/44

All: -6.579+/-7.063 χ^2/NDF: 133.1/93

- sign 0.191+/-10.102 χ^2/NDF: 66.4/48

reg_asym_sam_37_dd_rms vs Slug

Right In: 67.807+/-0.017 χ^2/NDF: 2518995.3/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

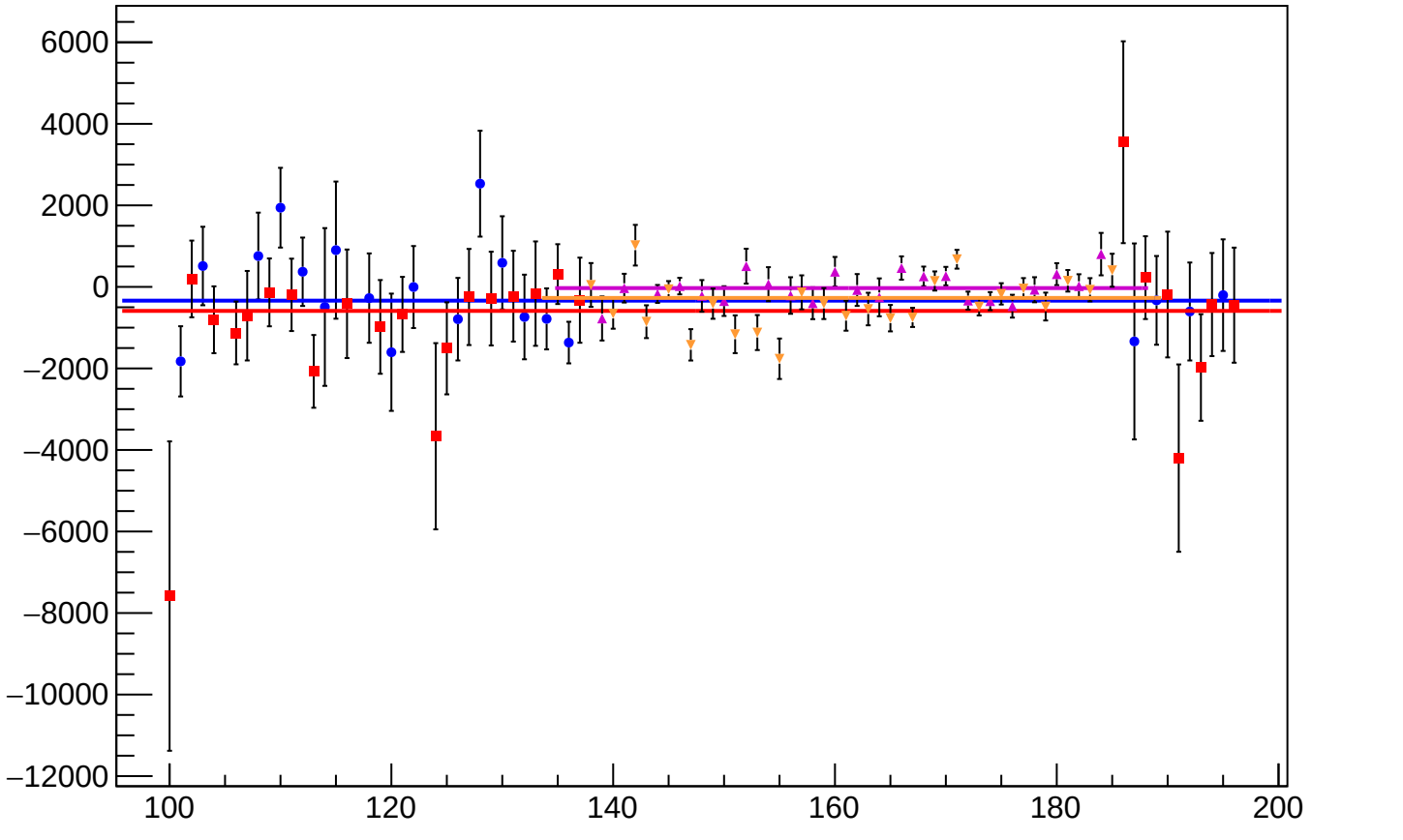
Right Out: 72.378+/-0.016 χ^2/NDF: 3805500.8/25

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491980.2/44

All: 51.513+/-0.005 χ^2/NDF: 10839894.6/93

- sign 52.144+/-0.007 χ^2/NDF: 6332660.3/48



Right In: -337.545+/-224.586 χ^2/NDF: 22.9/19

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -589.048+/-214.306 χ^2/NDF: 19.6/25

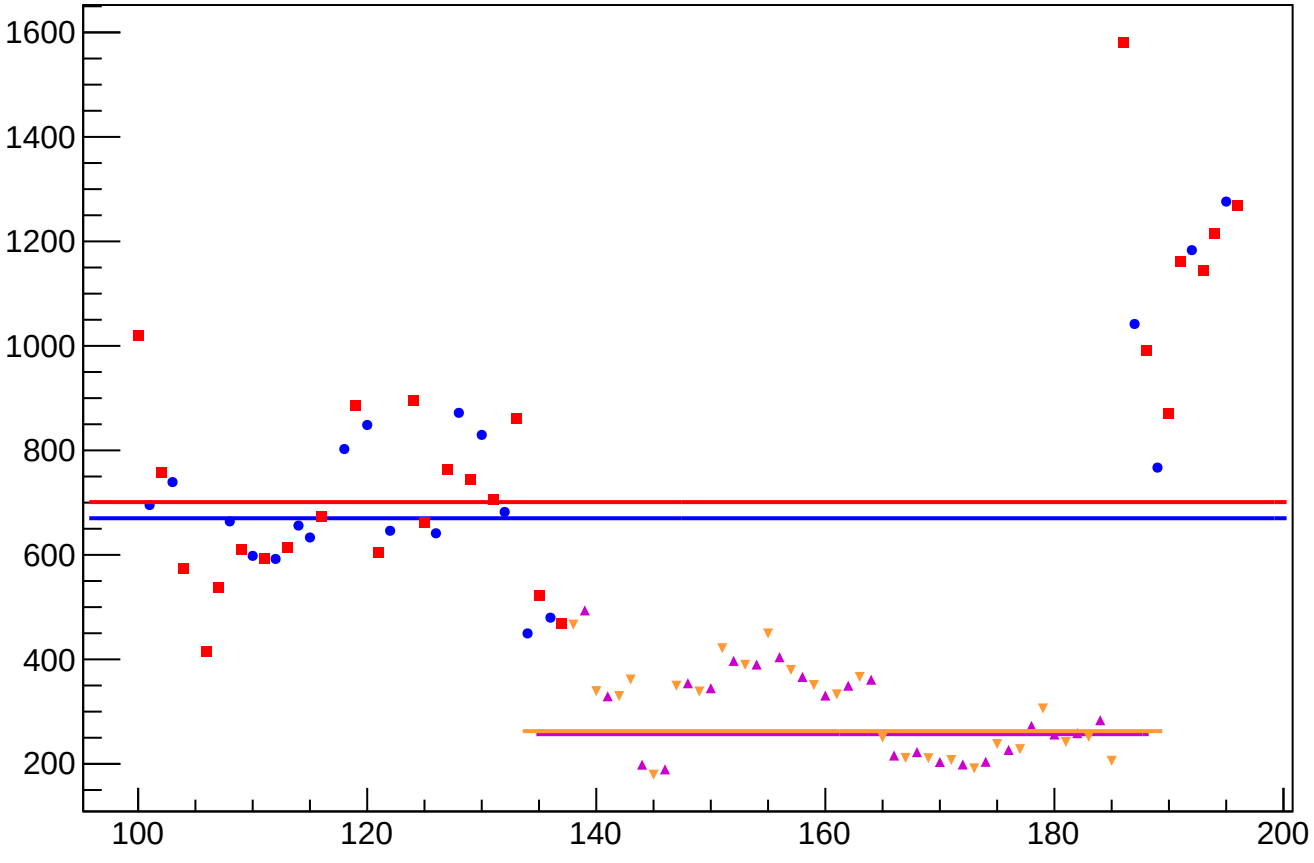
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.790+/-60.074 χ^2/NDF: 96.9/44

All: -174.678+/-42.506 χ^2/NDF: 152.9/93

- sign -73.306+/-60.151 χ^2/NDF: 50.3/48

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 670.102+/-0.159 χ^2/NDF: 1463524.0/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 701.023+/-0.152 χ^2/NDF: 2213730.9/25

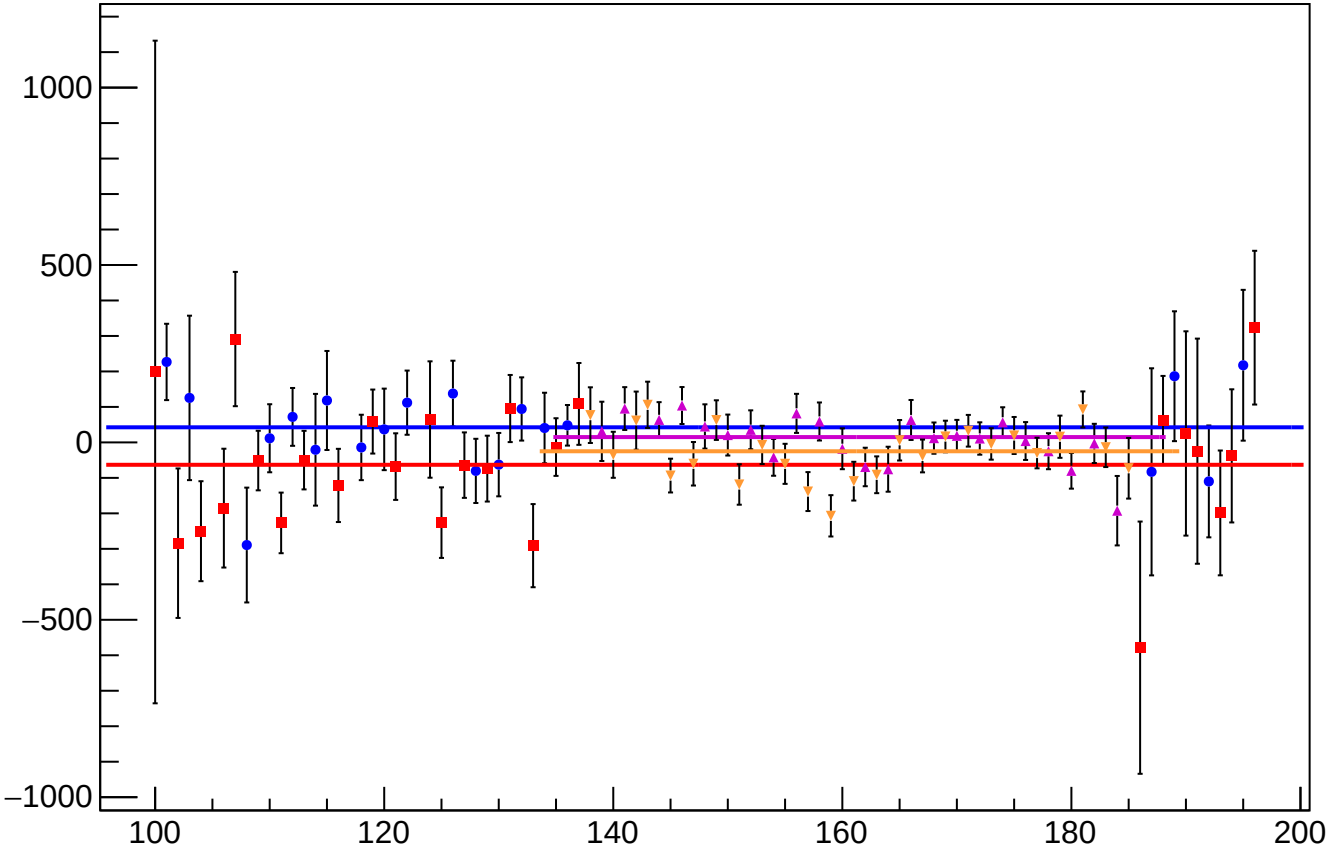
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467781.3/44

All: 291.833+/-0.030 χ^2/NDF: 23235585.6/93

- sign 291.835+/-0.043 χ^2/NDF: 12767804.3/48

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.542+/-23.502 χ^2/NDF: 16.0/19

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -63.113+/-23.230 χ^2/NDF: 32.4/25

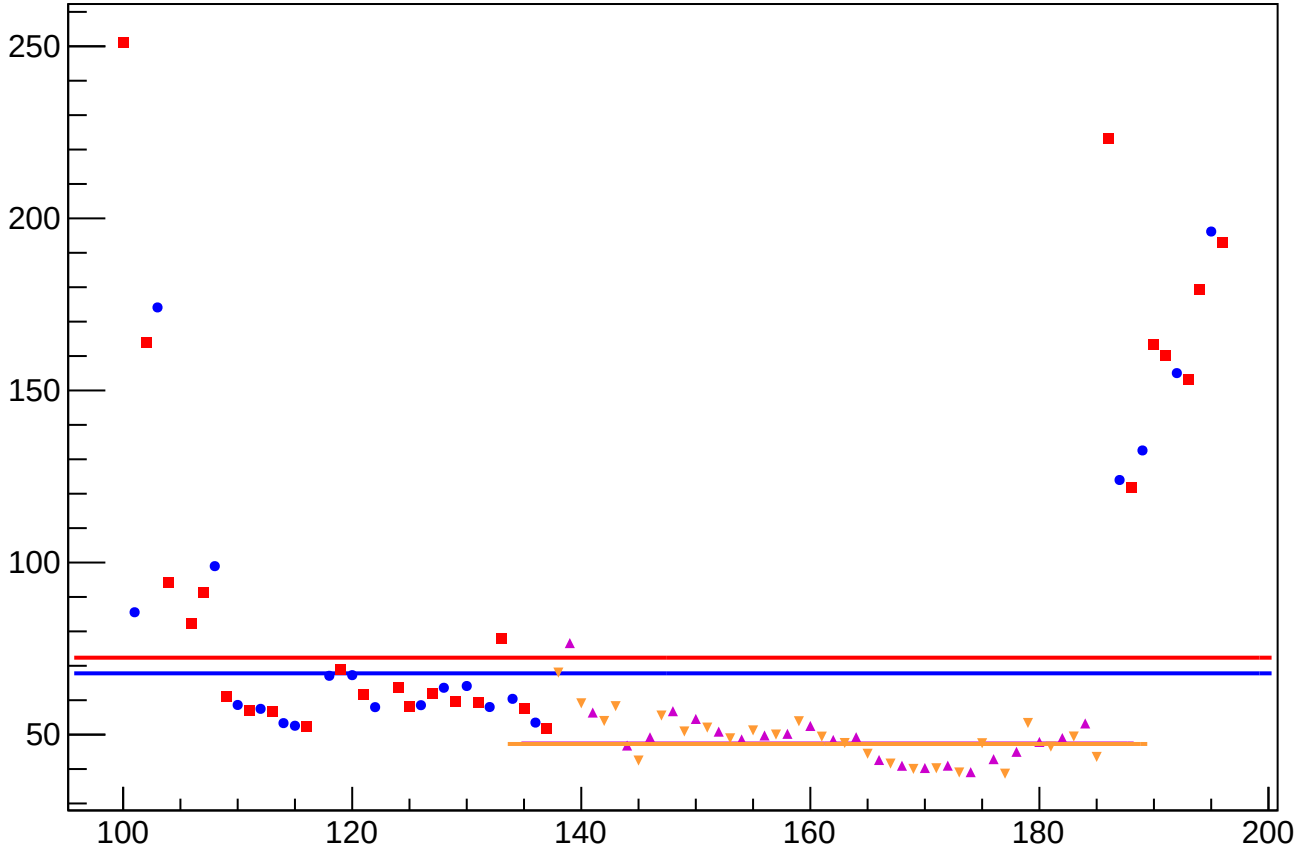
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.053+/-9.879 χ^2/NDF: 65.9/44

All: -6.563+/-7.063 χ^2/NDF: 133.0/93

- sign 0.223+/-10.102 χ^2/NDF: 66.3/48

cor_asym_sam_37_dd_rms vs Slug



Right In: 67.807+/-0.017 χ^2/NDF: 2518997.6/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

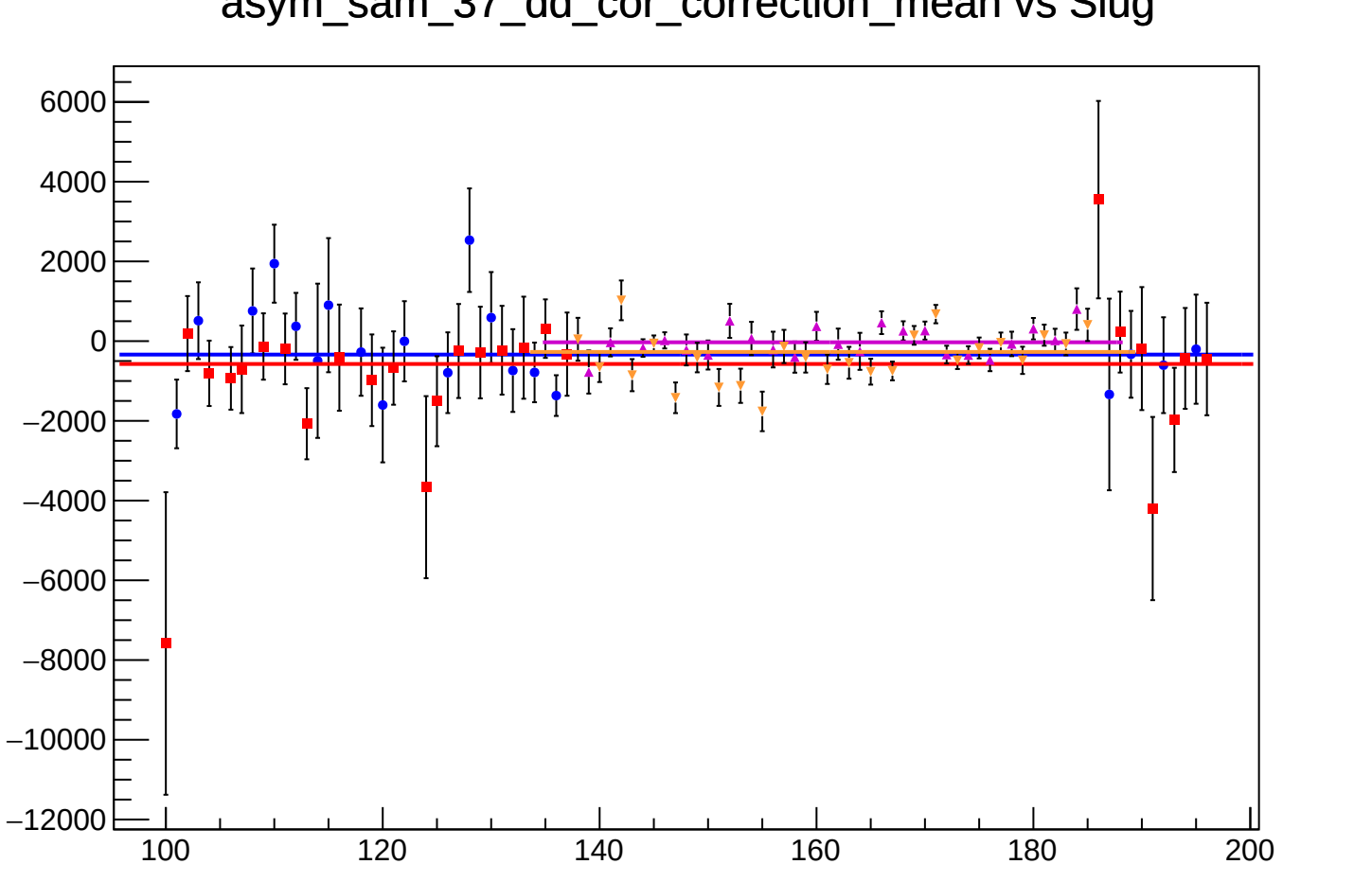
Right Out: 72.357+/-0.016 χ^2/NDF: 3804127.8/25

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491981.9/44

All: 51.511+/-0.005 χ^2/NDF: 10835116.6/93

- sign 52.140+/-0.007 χ^2/NDF: 6327988.7/48



Right In: -337.543+/-224.588 χ^2/NDF: 22.9/19

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -573.322+/-214.643 χ^2/NDF: 19.3/25

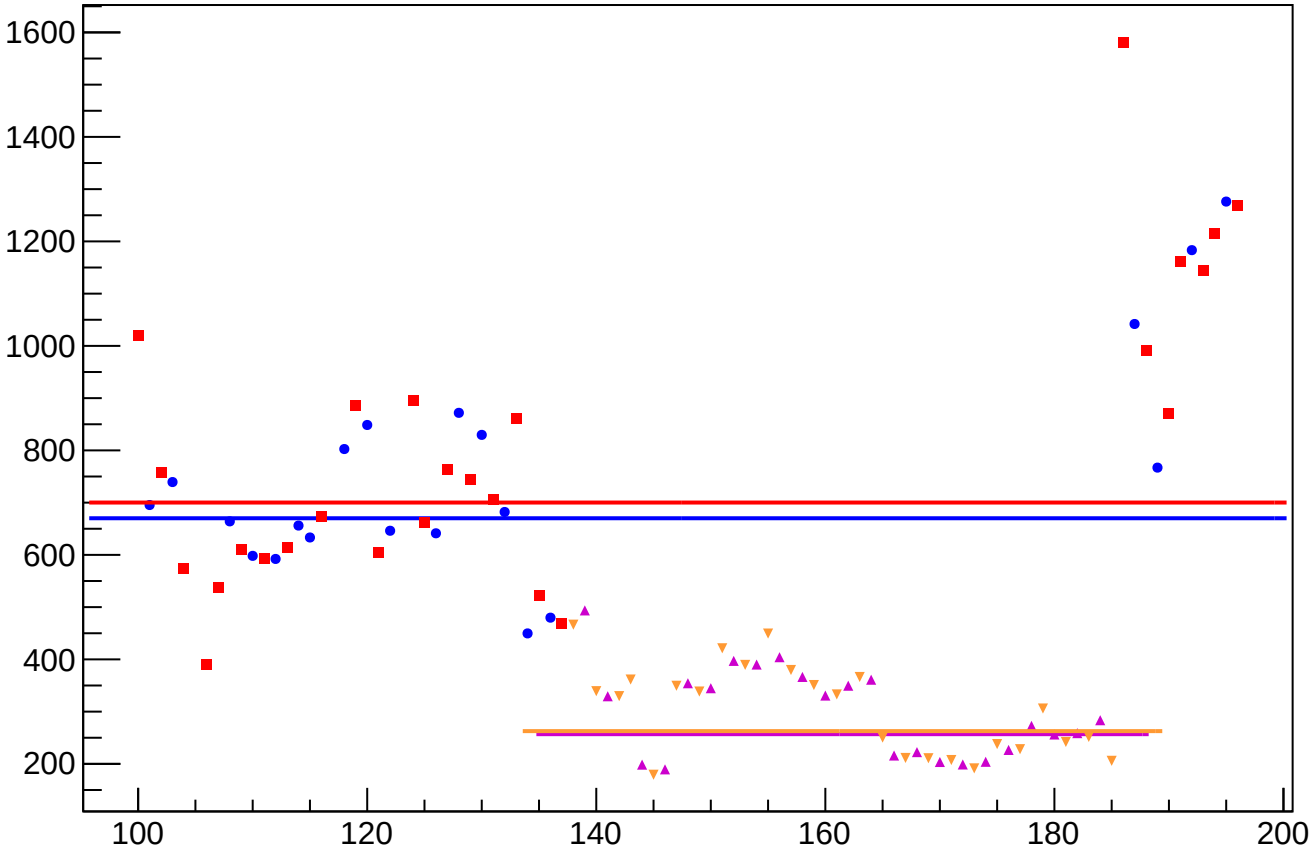
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.786+/-60.074 χ^2/NDF: 96.9/44

All: -174.009+/-42.509 χ^2/NDF: 152.3/93

- sign -71.945+/-60.159 χ^2/NDF: 49.6/48

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 670.105+/-0.159 χ^2/NDF: 1463545.1/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 700.177+/-0.152 χ^2/NDF: 2248352.4/25

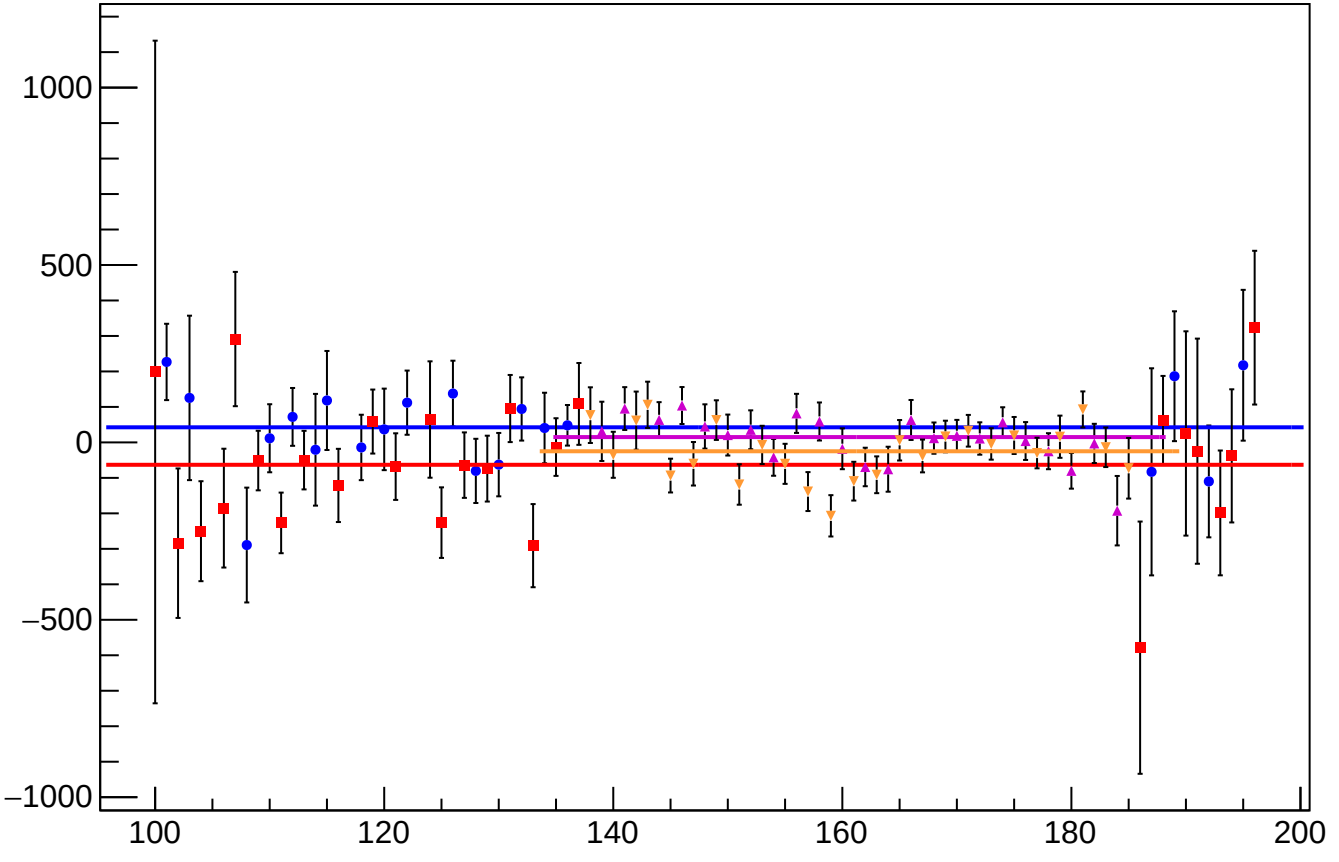
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467836.2/44

All: 291.749+/-0.030 χ^2/NDF: 23217355.2/93

- sign 291.668+/-0.043 χ^2/NDF: 12749511.7/48

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.542+/-23.502 χ^2/NDF: 16.0/19

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 -13.053+/-9.879 χ^2/NDF: 65.9/44

All: -6.563+/-7.063 χ^2/NDF: 133.0/93

- sign 0.223+/-10.102 χ^2/NDF: 66.3/48

eigen_cor_asym_sam_37_dd_rms vs Slug

Right In: 67.807+/-0.017 χ^2/NDF: 2518997.6/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

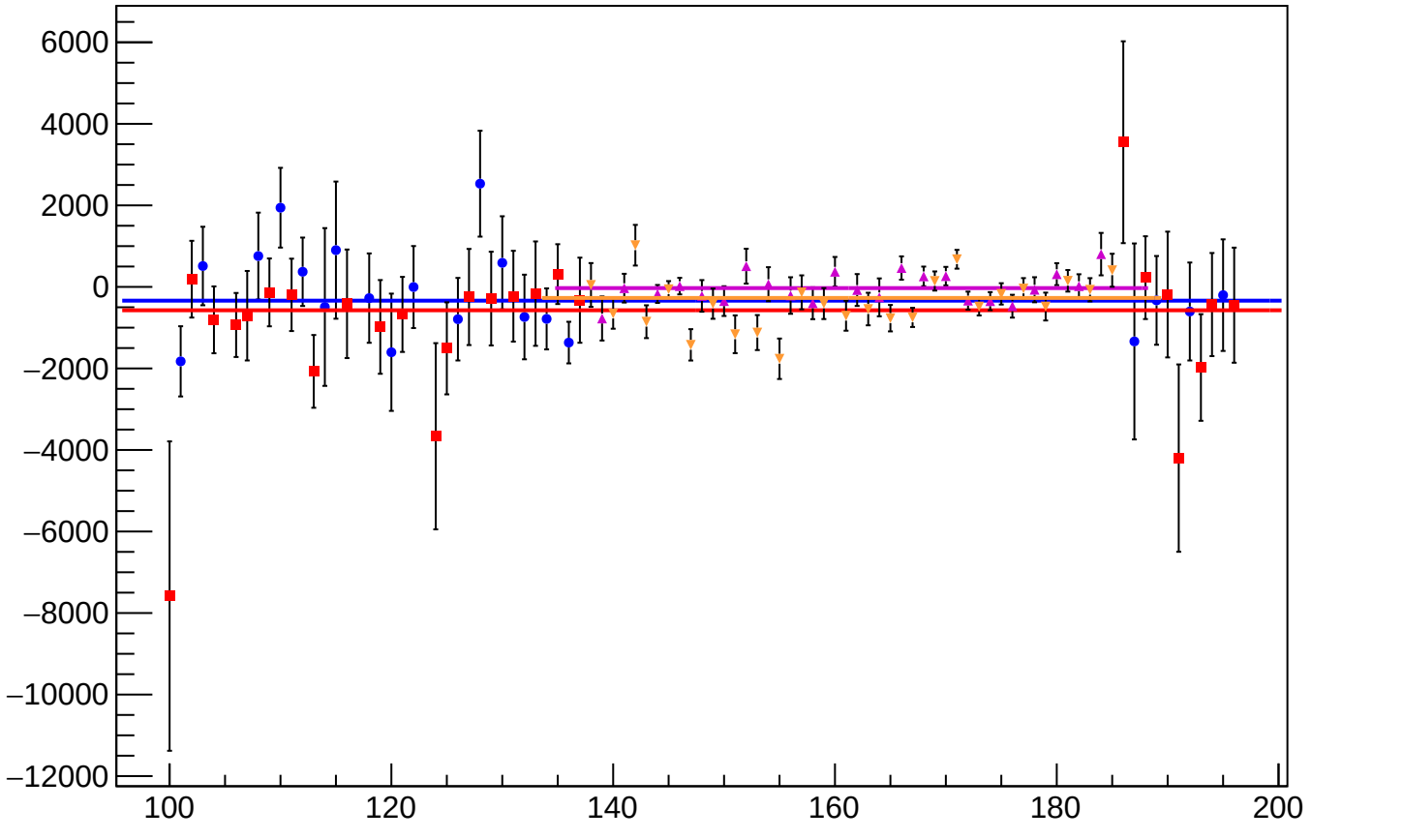
Right Out: 72.357+/-0.016 χ^2/NDF: 3804127.8/25

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491981.9/44

All: 51.511+/-0.005 χ^2/NDF: 10835116.6/93

- sign 52.140+/-0.007 χ^2/NDF: 6327988.7/48



Right In: -337.543+/-224.588 χ^2/NDF: 22.9/19

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -573.322+/-214.643 χ^2/NDF: 19.3/25

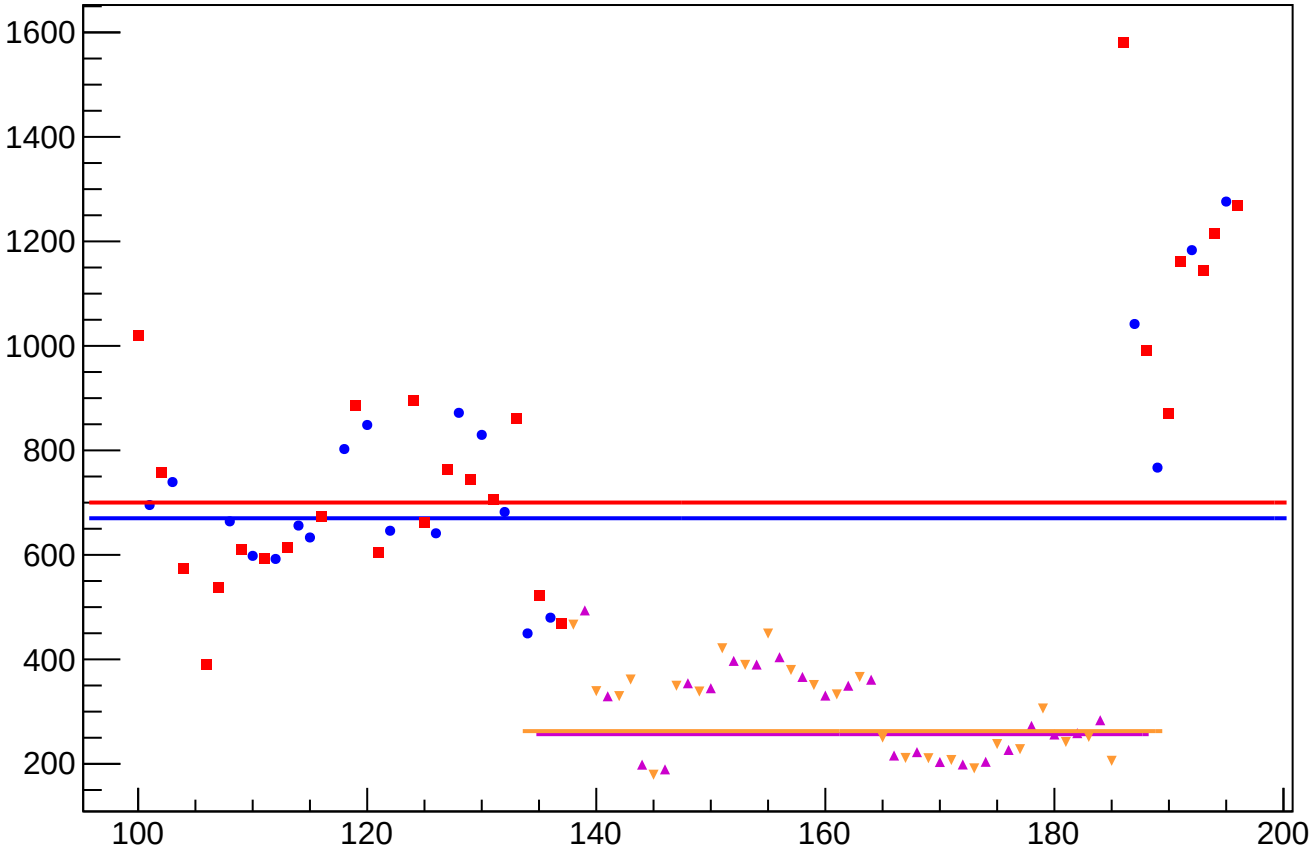
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.786+/-60.074 χ^2/NDF: 96.9/44

All: -174.009+/-42.509 χ^2/NDF: 152.3/93

- sign -71.945+/-60.159 χ^2/NDF: 49.6/48

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 670.105+/-0.159 χ^2/NDF: 1463545.1/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 700.177+/-0.152 χ^2/NDF: 2248352.4/25

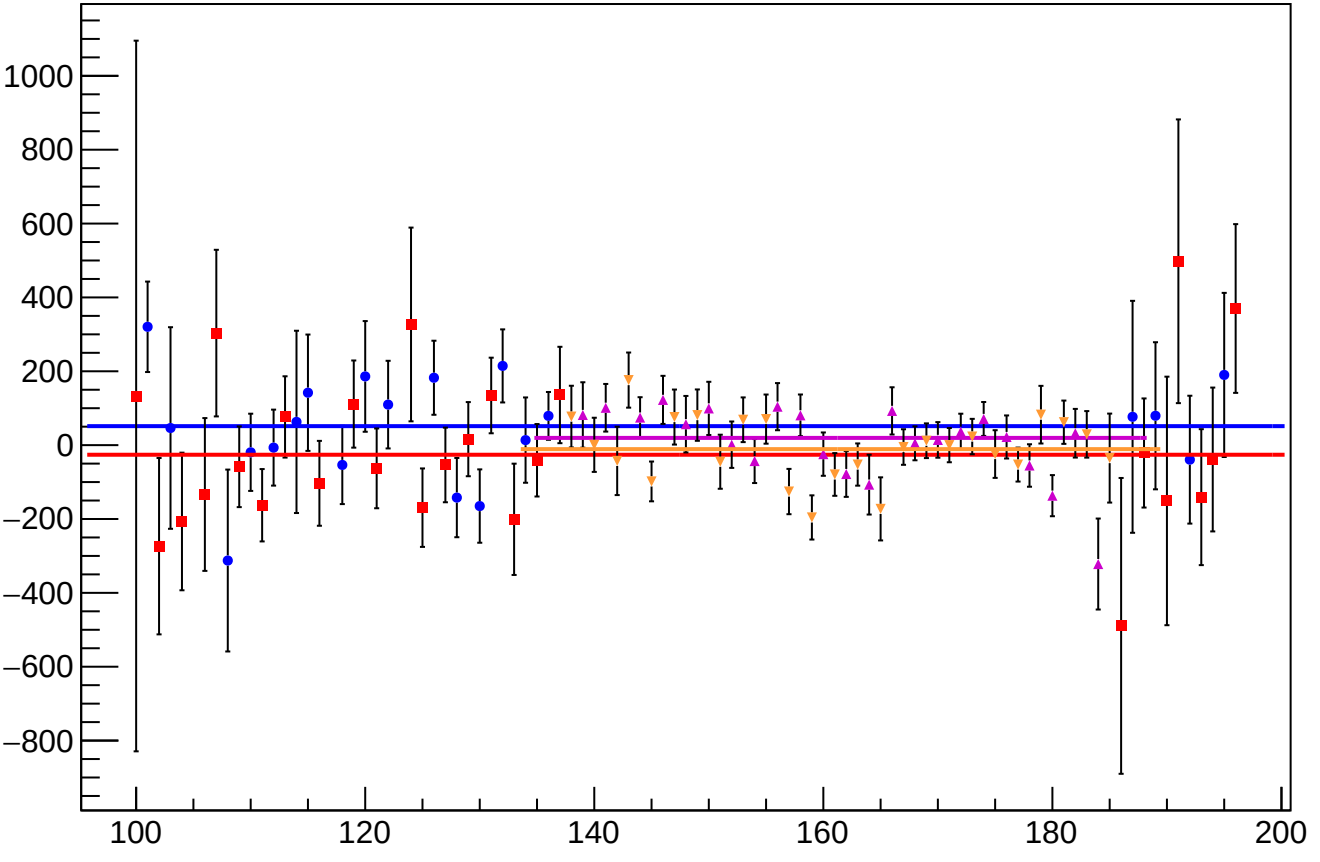
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467836.2/44

All: 291.749+/-0.030 χ^2/NDF: 23217355.2/93

- sign 291.668+/-0.043 χ^2/NDF: 12749511.7/48

dit_asym_sam_37_dd_mean vs Slug



Right In: 51.437+/-27.357 χ^2/NDF: 23.6/19

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -26.005+/-27.326 χ^2/NDF: 25.3/25

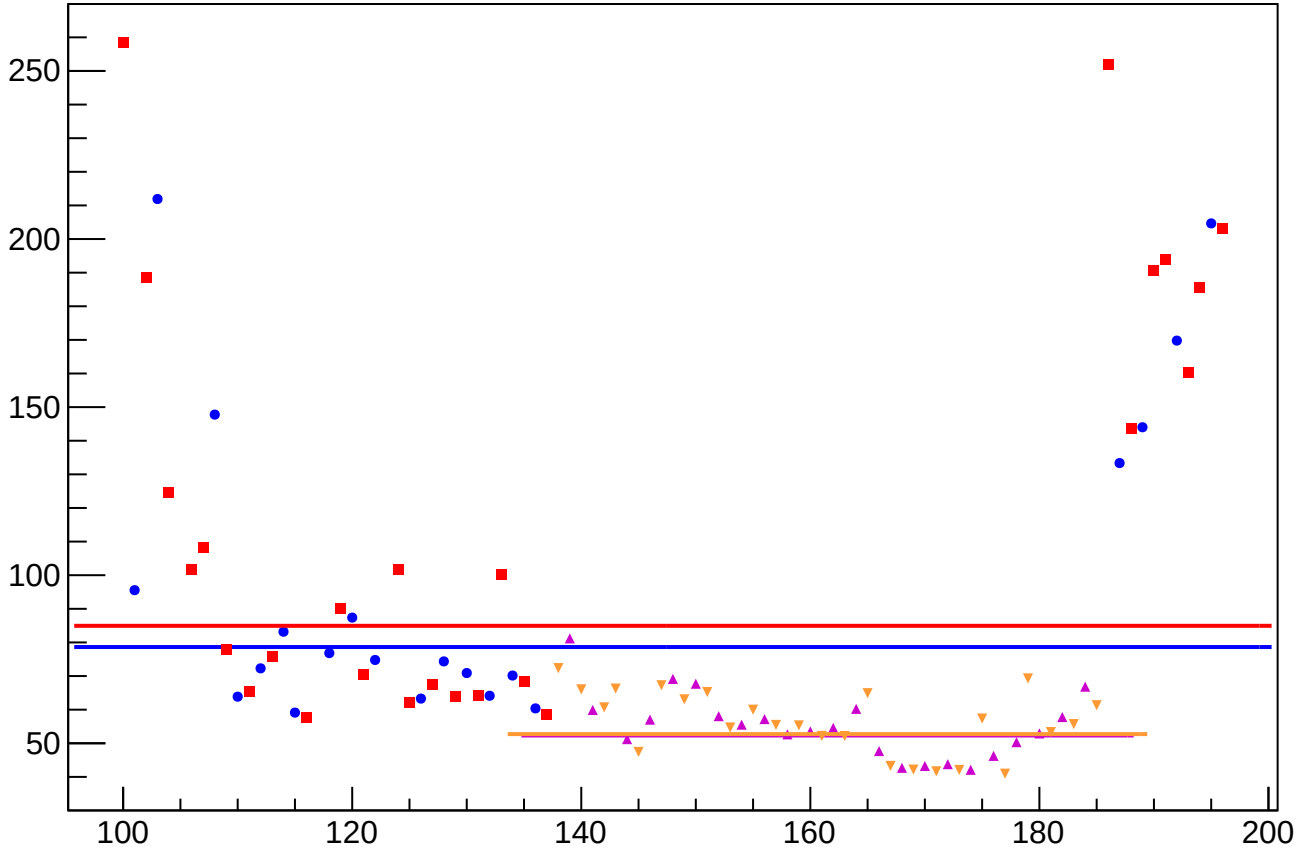
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.345+/-11.223 χ^2/NDF: 68.3/44

All: 5.562+/-7.998 χ^2/NDF: 133.1/93

- sign 11.658+/-11.402 χ^2/NDF: 64.3/48

dit_asym_sam_37_dd_rms vs Slug



Right In: 78.630+/-0.019 χ^2/NDF: 2509869.4/19

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

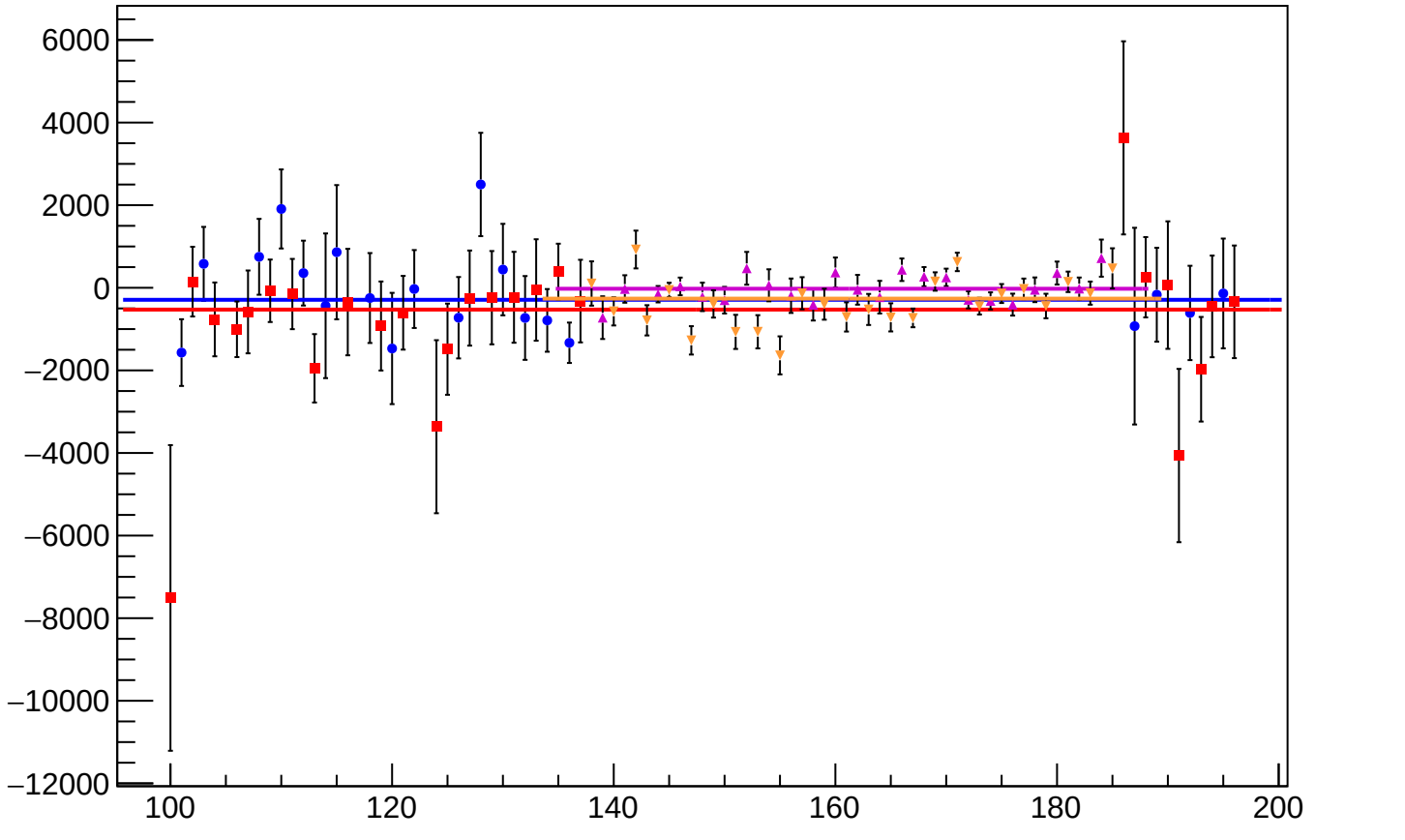
Right Out: 84.944+/-0.019 χ^2/NDF: 3740514.4/25

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

\+ sign 57.089+/-0.008 χ^2/NDF: 5167858.8/44

All: 57.535+/-0.006 χ^2/NDF: 12161968.1/93

\- sign 57.994+/-0.008 χ^2/NDF: 6987710.4/48



Right In: -291.059+/-215.387 χ^2/NDF: 23.0/19

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -528.031+/-203.268 χ^2/NDF: 21.4/25

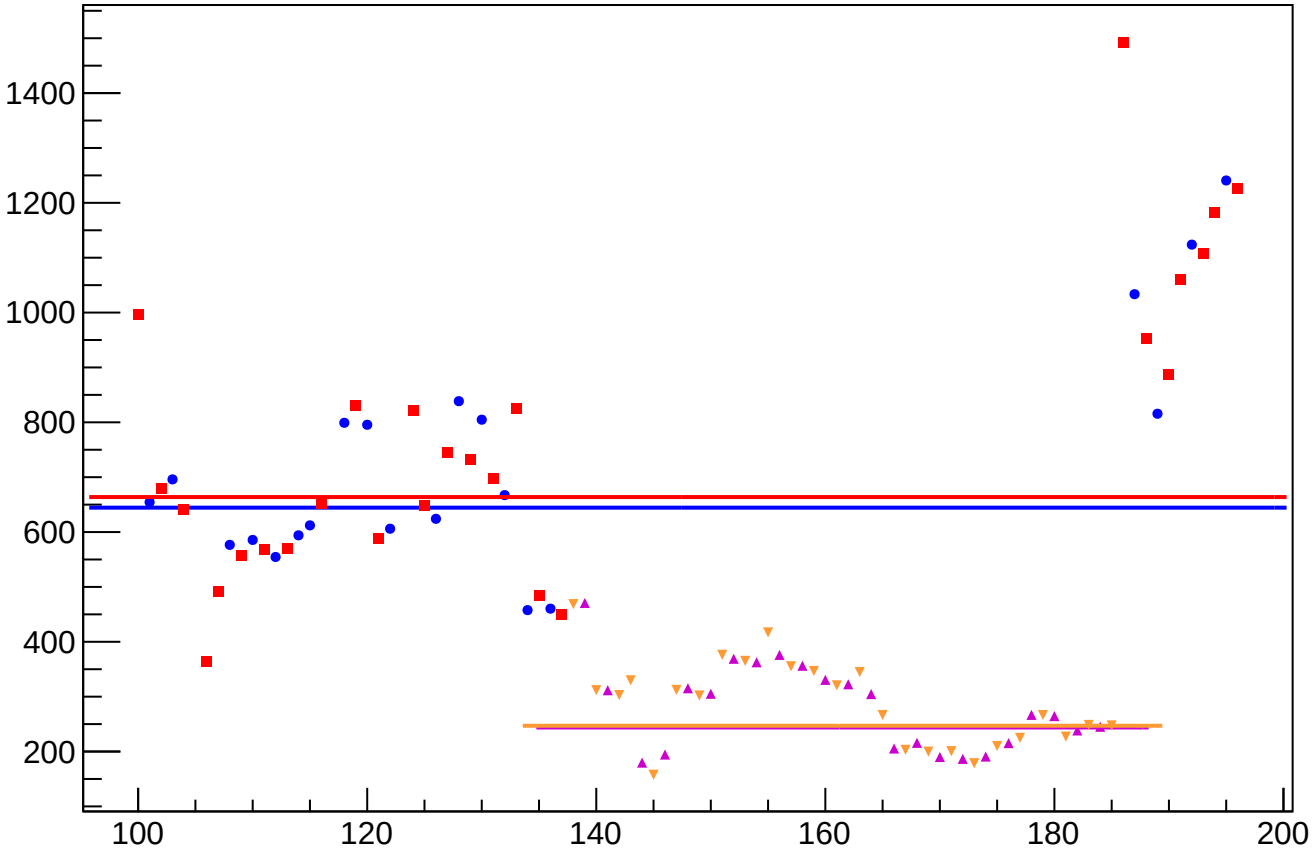
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.538+/-56.455 χ^2/NDF: 95.2/44

All: -164.839+/-40.116 χ^2/NDF: 152.7/93

- sign -63.163+/-57.012 χ^2/NDF: 51.2/48

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 644.464+/-0.152 χ^2/NDF: 1472830.4/19

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 663.796+/-0.144 χ^2/NDF: 2408621.1/25

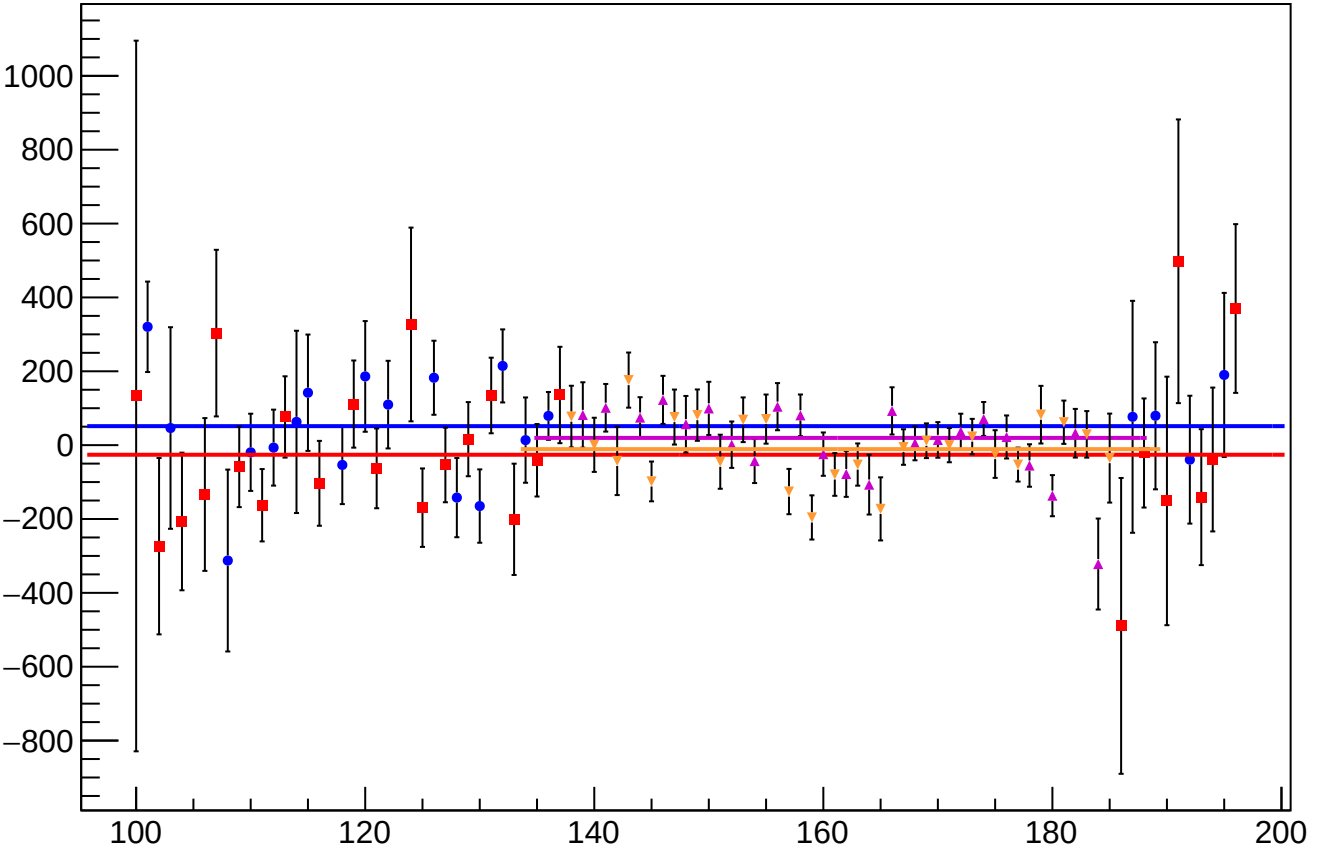
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

\+ sign 274.303+/-0.040 χ^2/NDF: 10741376.5/44

All: 275.571+/-0.028 χ^2/NDF: 23508465.0/93

\- sign 276.864+/-0.040 χ^2/NDF: 12765050.7/48

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 51.436+/-27.357 χ^2/NDF: 23.6/19

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -26.004+/-27.326 χ^2/NDF: 25.3/25

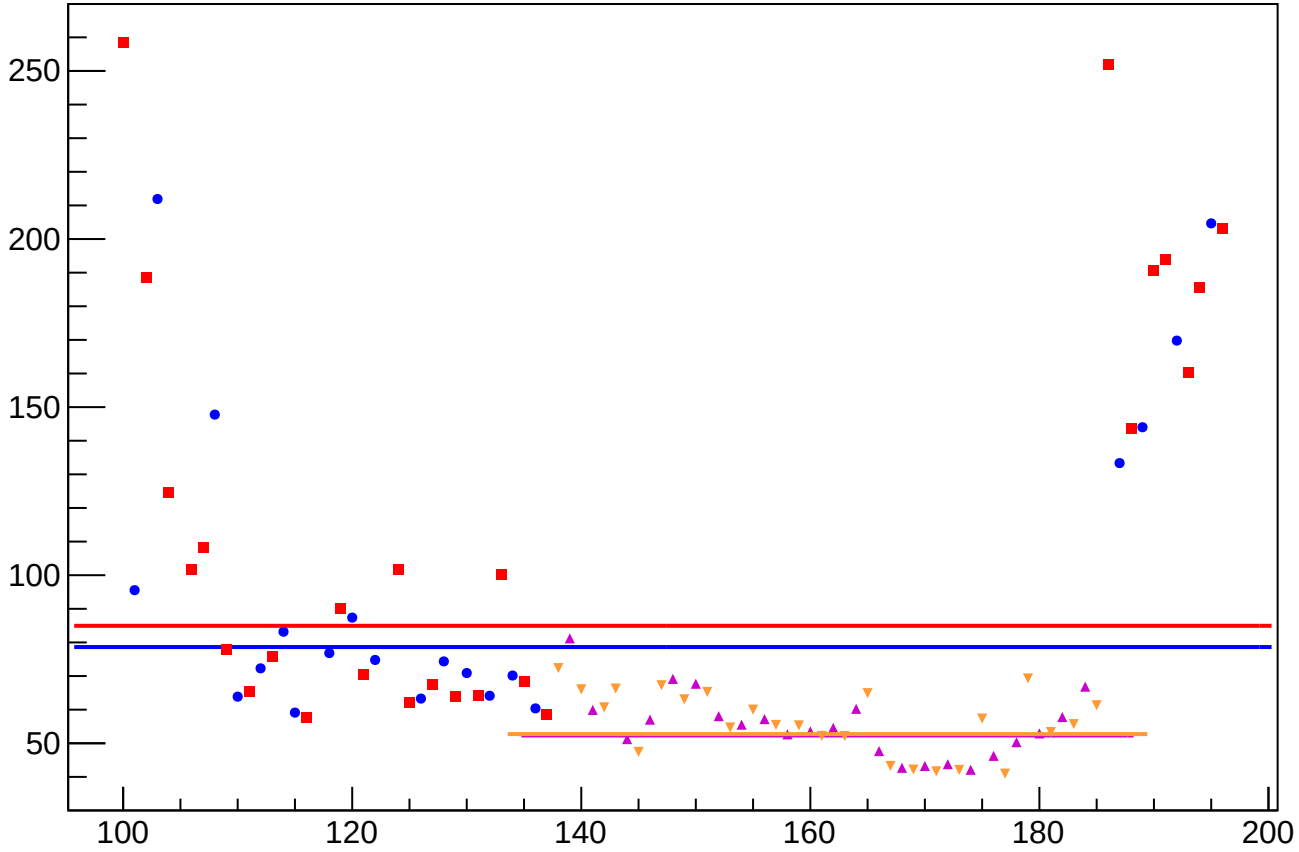
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.345+/-11.223 χ^2/NDF: 68.3/44

All: 5.562+/-7.998 χ^2/NDF: 133.1/93

- sign 11.659+/-11.402 χ^2/NDF: 64.3/48

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 78.630+/-0.019 χ^2/NDF: 2509887.8/19

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

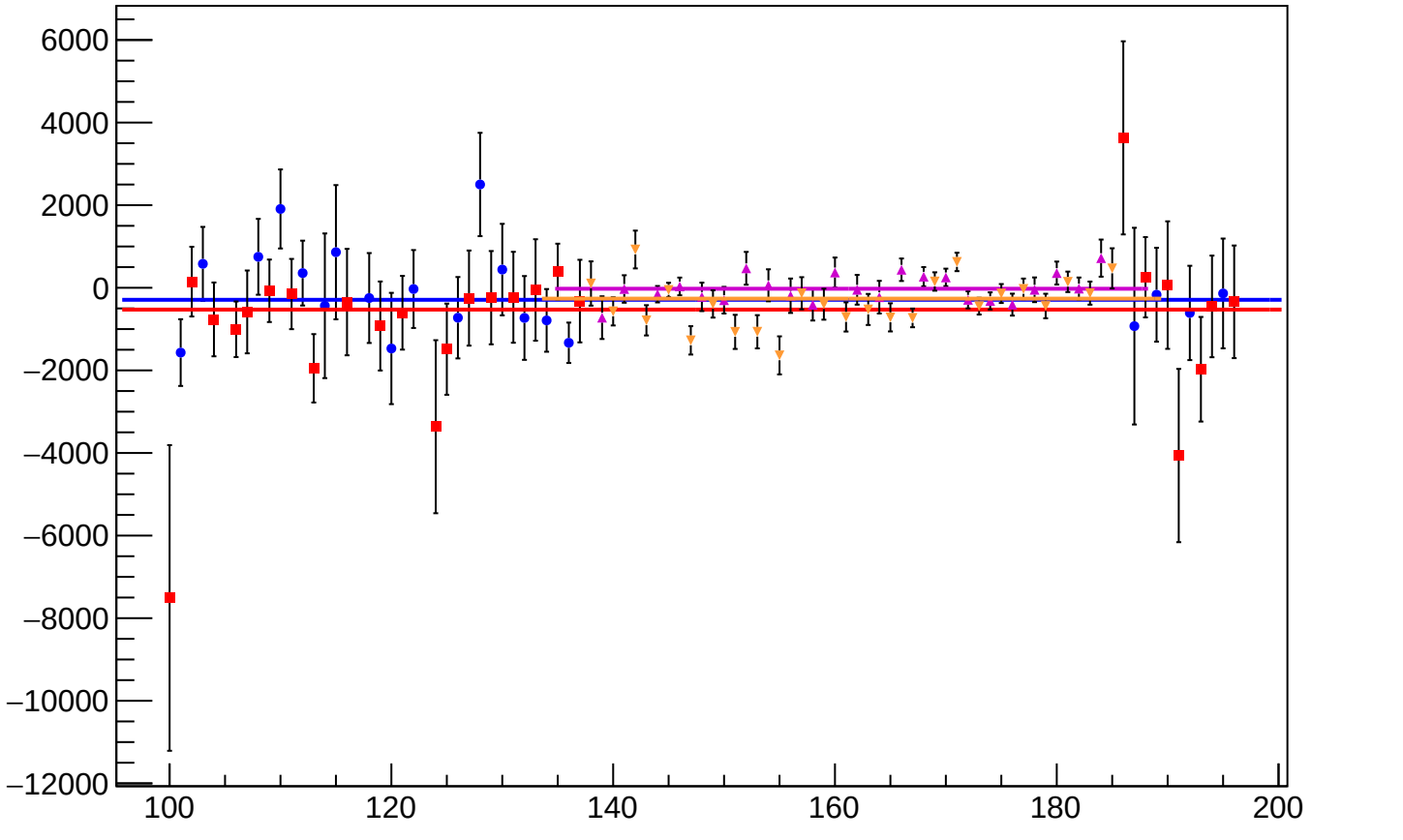
Right Out: 84.944+/-0.019 χ^2/NDF: 3740513.1/25

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

\+ sign 57.090+/-0.008 χ^2/NDF: 5167882.0/44

All: 57.535+/-0.006 χ^2/NDF: 12161980.4/93

\- sign 57.994+/-0.008 χ^2/NDF: 6987699.6/48



Right In: -291.059+/-215.387 χ^2/NDF: 23.0/19

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -528.030+/-203.267 χ^2/NDF: 21.4/25

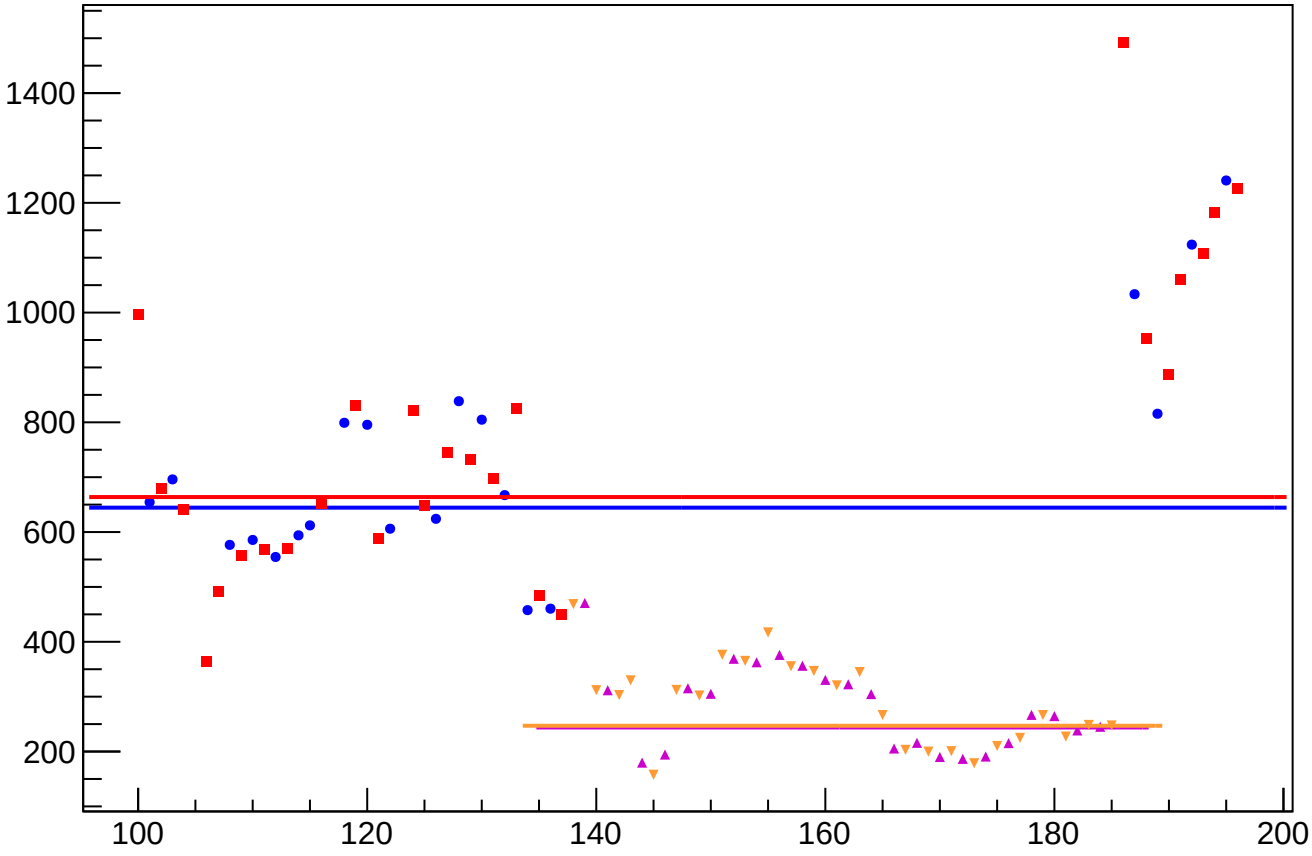
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.538+/-56.455 χ^2/NDF: 95.2/44

All: -164.839+/-40.116 χ^2/NDF: 152.7/93

- sign -63.162+/-57.012 χ^2/NDF: 51.2/48

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 644.465+/-0.152 χ^2/NDF: 1472820.6/19

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 663.795+/-0.144 χ^2/NDF: 2408614.7/25

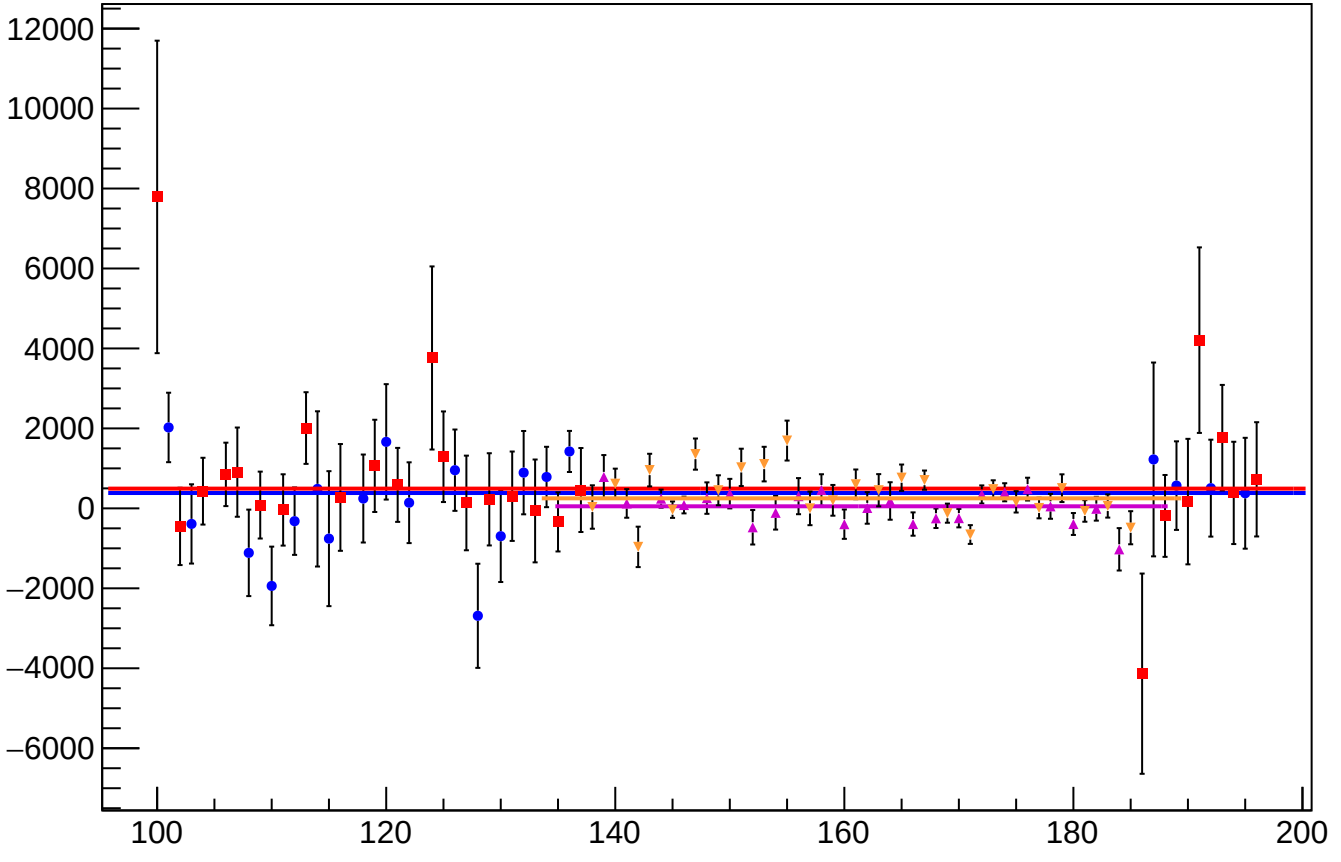
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 274.302+/-0.040 χ^2/NDF: 10741365.1/44

All: 275.570+/-0.028 χ^2/NDF: 23508445.1/93

- sign 276.863+/-0.040 χ^2/NDF: 12765042.3/48

asym_sam_37_dd_mean vs Slug



Right In: 383.942+/-226.436 χ^2/NDF: 25.2/19

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 493.763+/-216.522 χ^2/NDF: 20.1/25

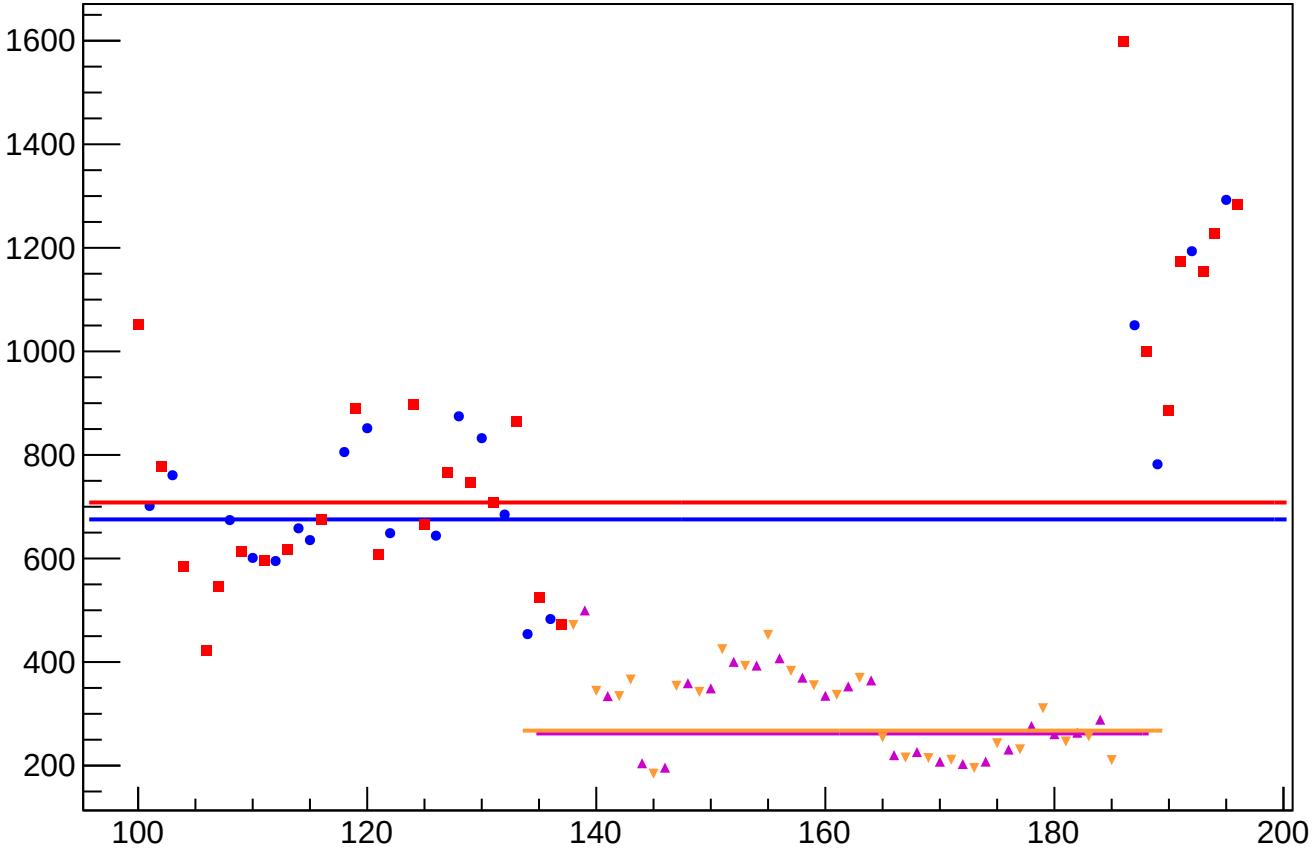
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 260.772+/-61.073 χ^2/NDF: 93.1/44

All: 174.151+/-43.243 χ^2/NDF: 147.9/93

- sign 87.066+/-61.237 χ^2/NDF: 50.8/48

asym_sam_37_dd_rms vs Slug



Right In: 675.491+/-0.160 χ^2/NDF: 1473178.7/19

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

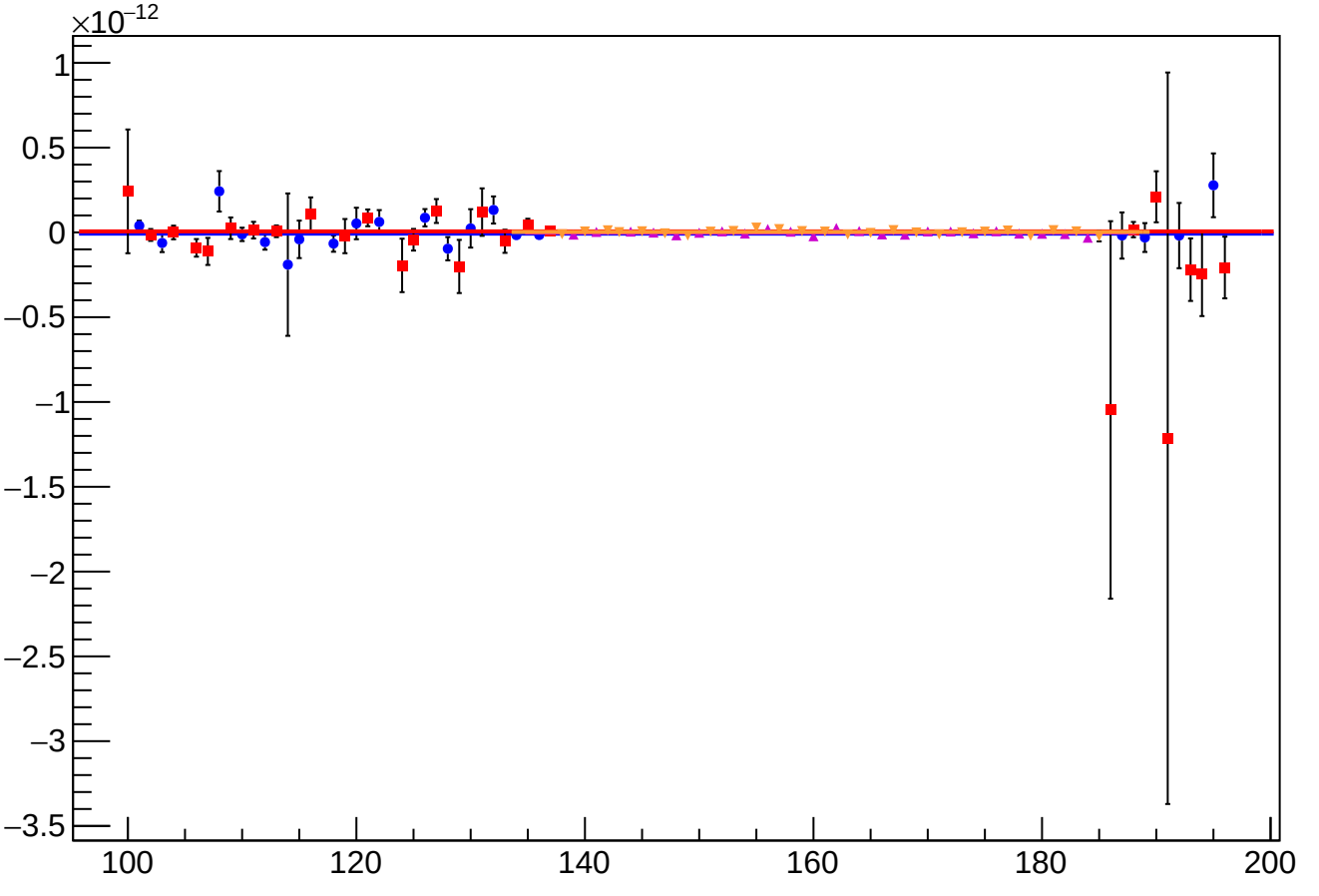
Right Out: 708.171+/-0.153 χ^2/NDF: 2205235.2/25

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 297.262+/-0.043 χ^2/NDF: 10292568.8/44

All: 297.517+/-0.031 χ^2/NDF: 22845195.1/93

- sign 297.773+/-0.043 χ^2/NDF: 12552556.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

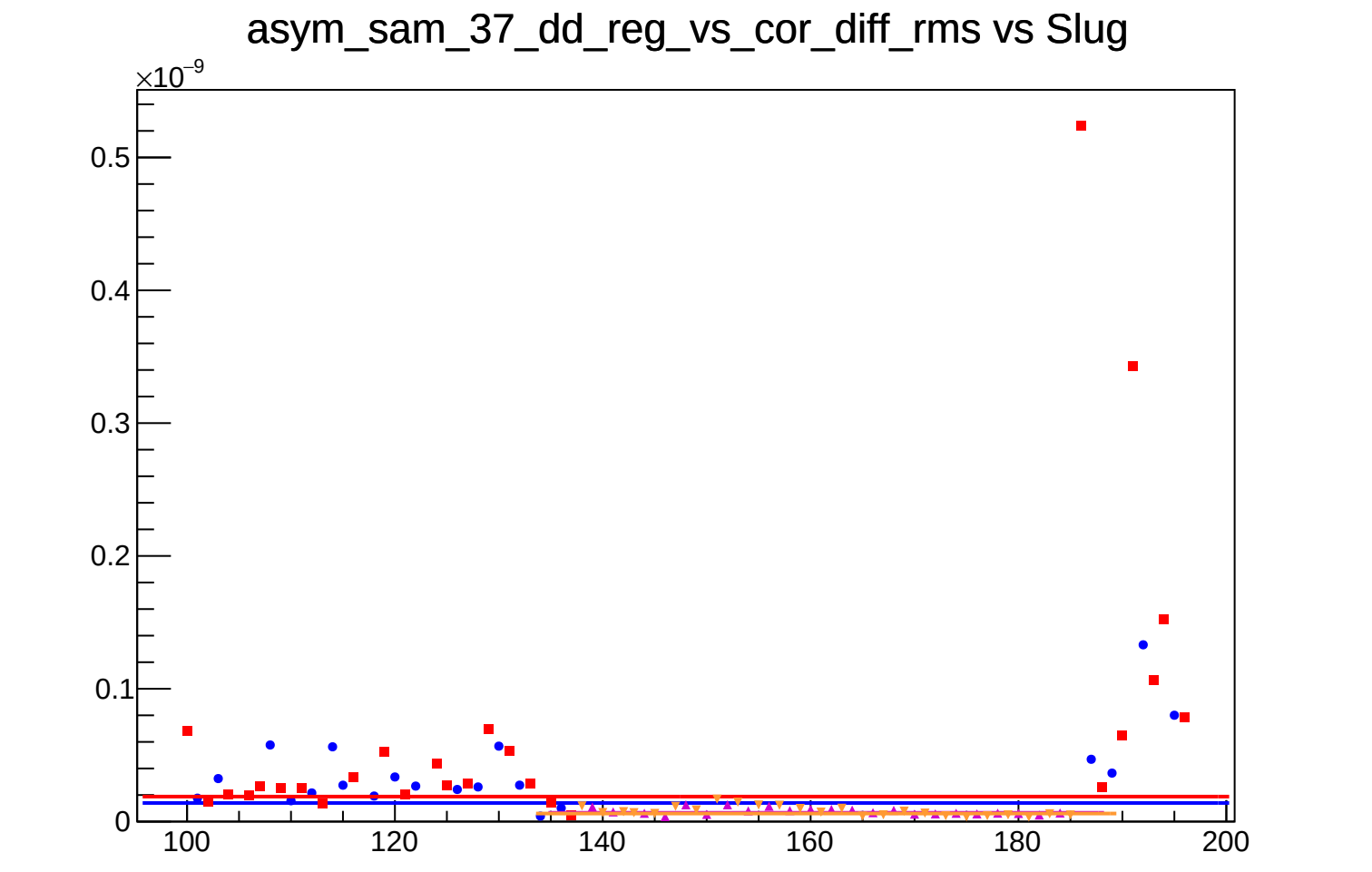
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/25

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/44

All: 0.000+/-0.000 χ^2/NDF: 79.9/93

- sign -0.000+/-0.000 χ^2/NDF: 39.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3369130.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3625471.3/25

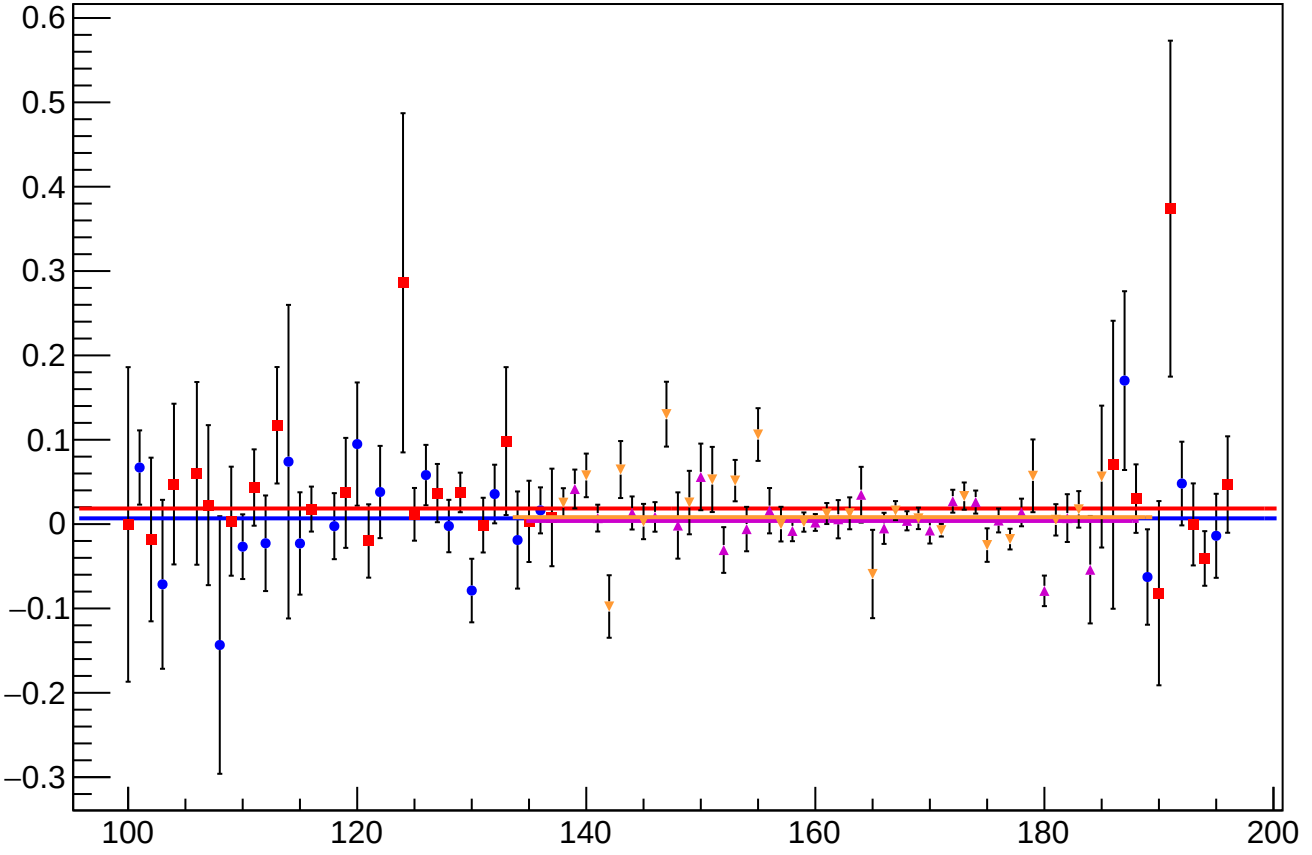
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7158516.5/44

All: 0.000+/-0.000 χ^2/NDF: 14325642.3/93

- 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: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

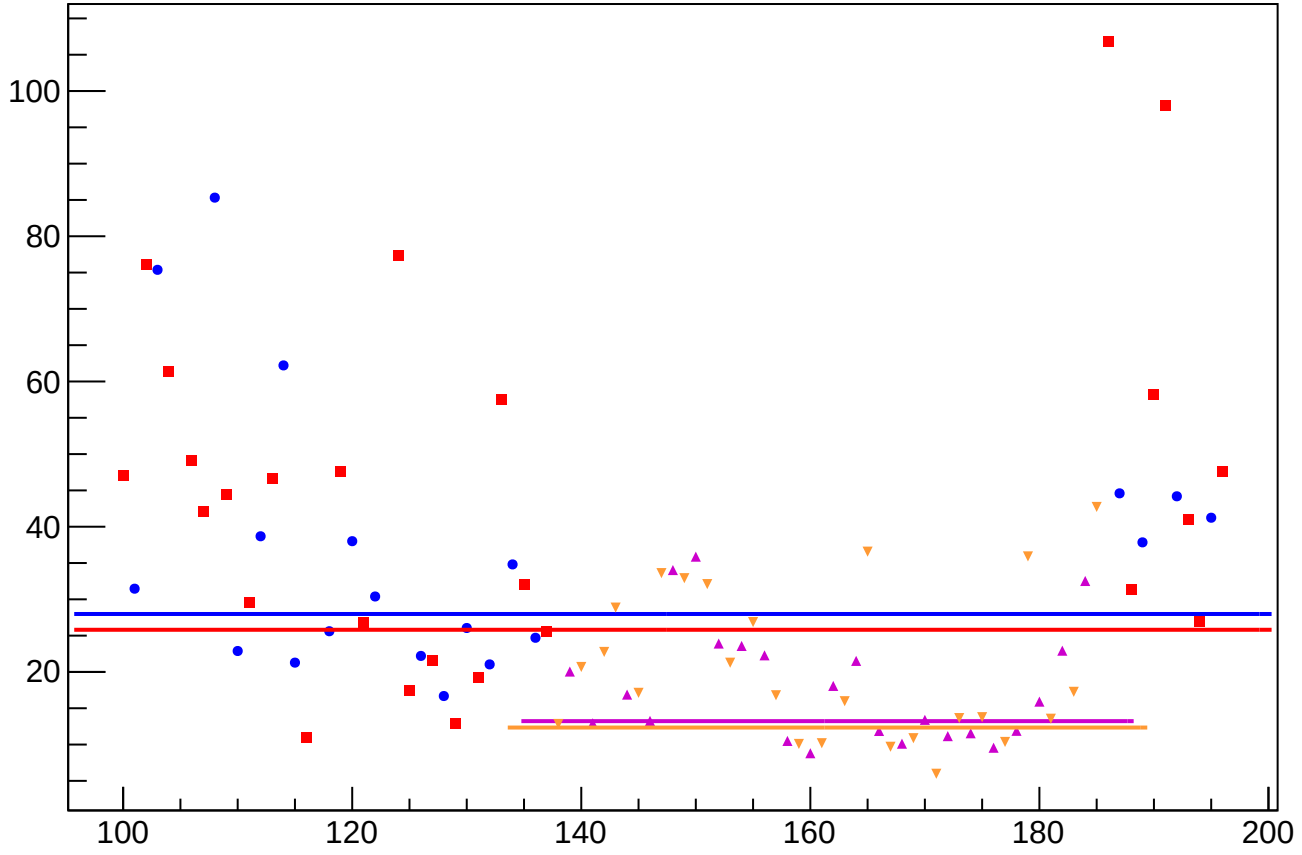
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.9/93

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.981+/-0.007 χ^2/NDF: 1913847.3/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

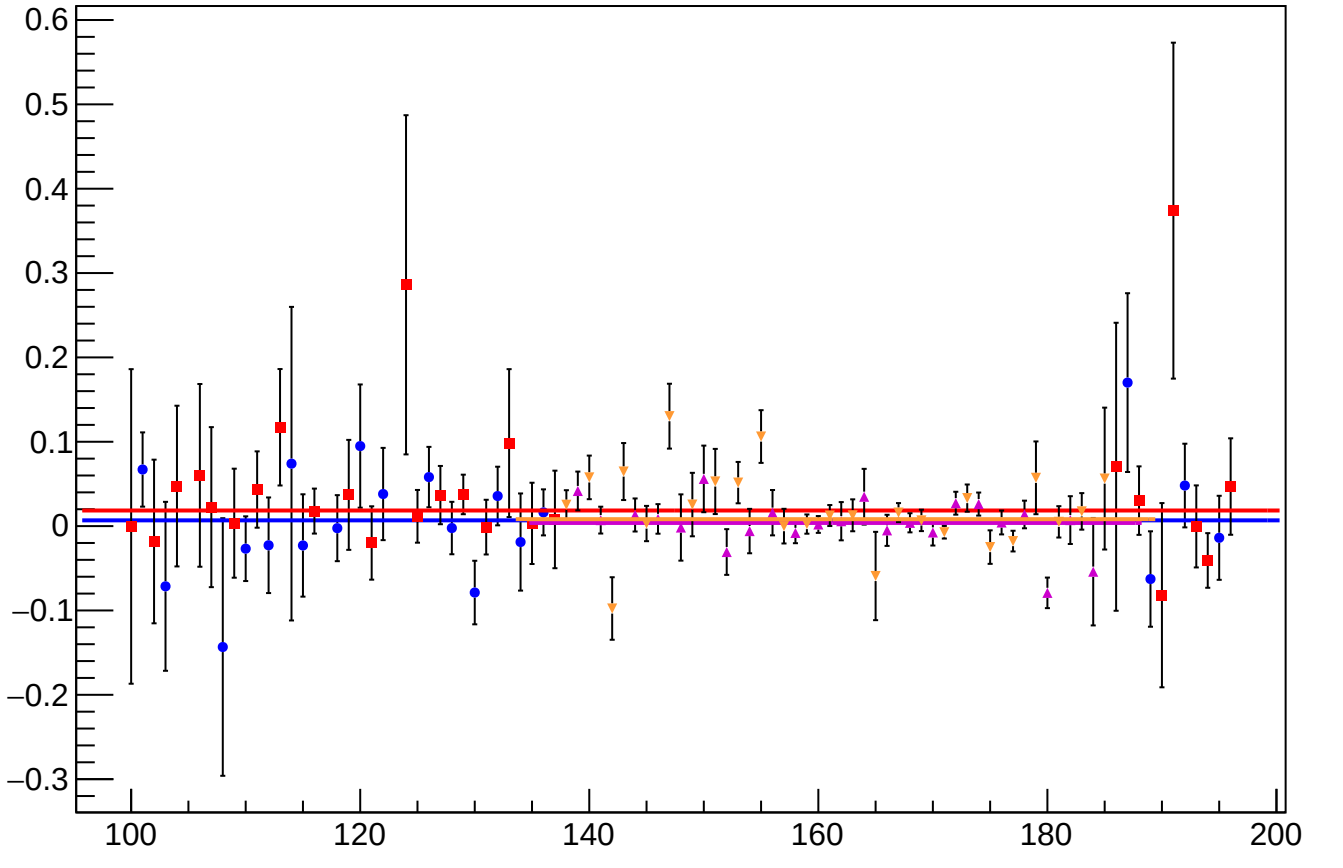
Right Out: 25.806+/-0.007 χ^2/NDF: 4909778.9/25

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.909+/-0.002 χ^2/NDF: 12762861.4/44

All: 14.380+/-0.002 χ^2/NDF: 24789339.6/93

\- sign 14.883+/-0.002 χ^2/NDF: 11940896.2/48



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

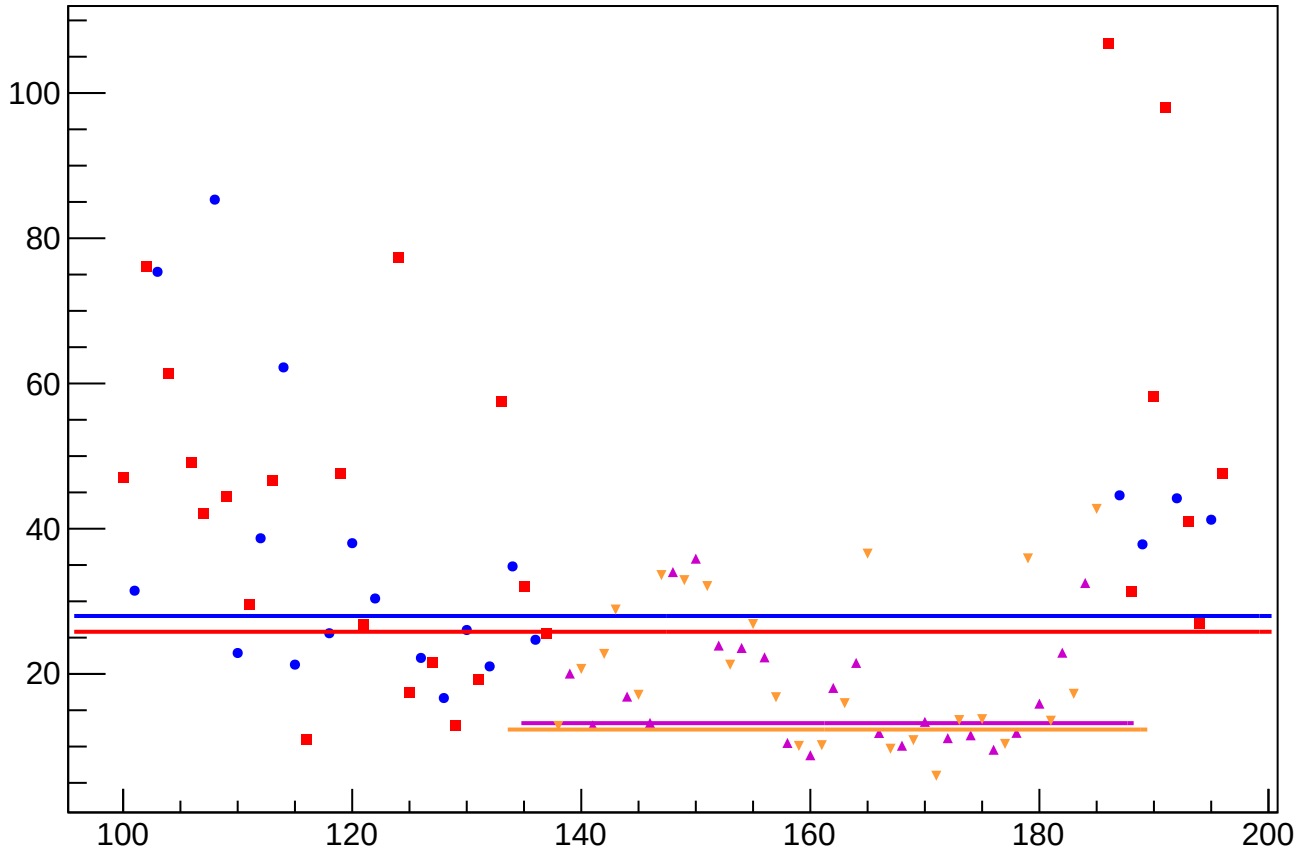
Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.9/93

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48



Right In: 27.981+/-0.007 χ^2/NDF: 1913847.3/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

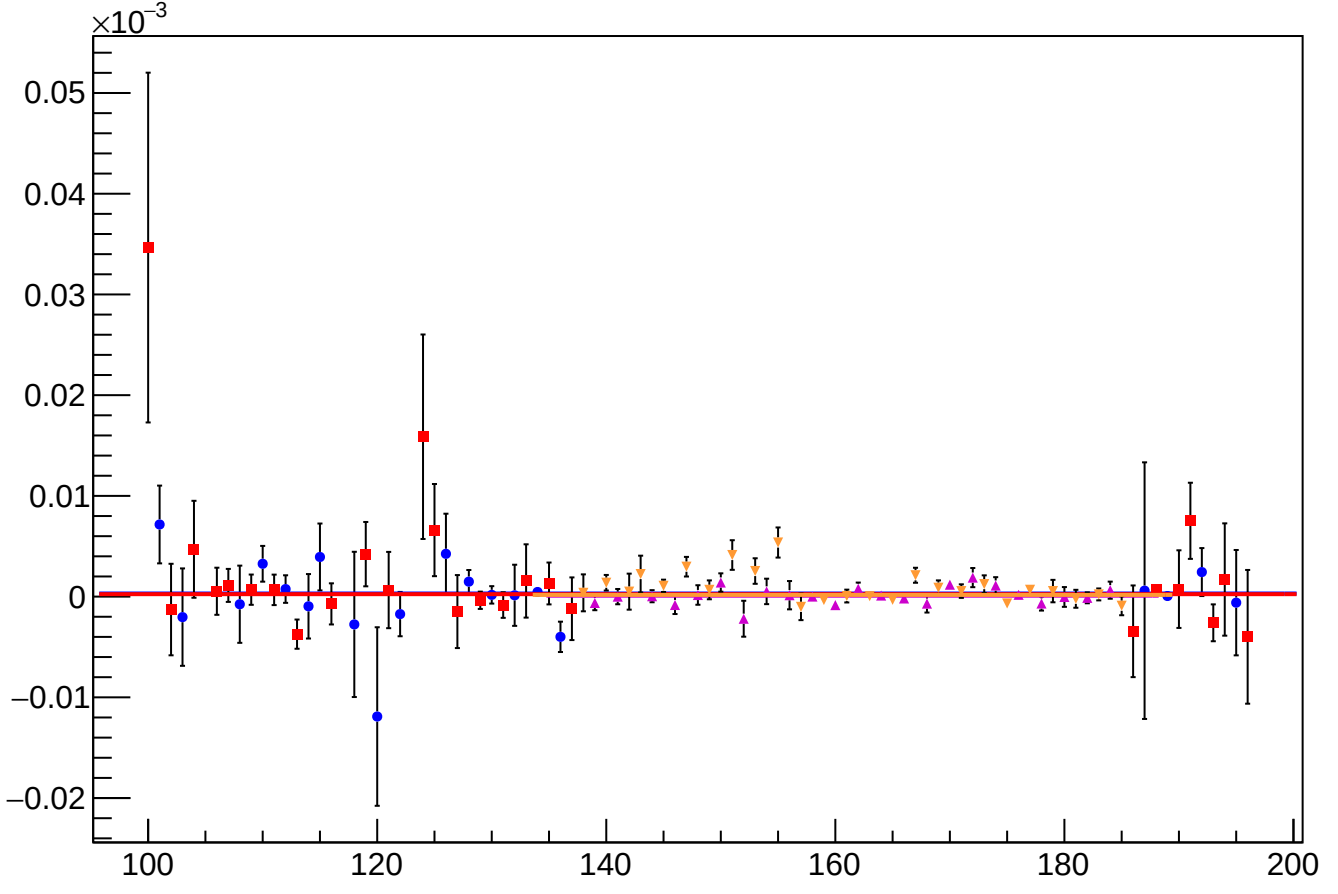
Right Out: 25.806+/-0.007 χ^2/NDF: 4909778.9/25

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.909+/-0.002 χ^2/NDF: 12762861.4/44

All: 14.380+/-0.002 χ^2/NDF: 24789339.6/93

- sign 14.883+/-0.002 χ^2/NDF: 11940896.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/25

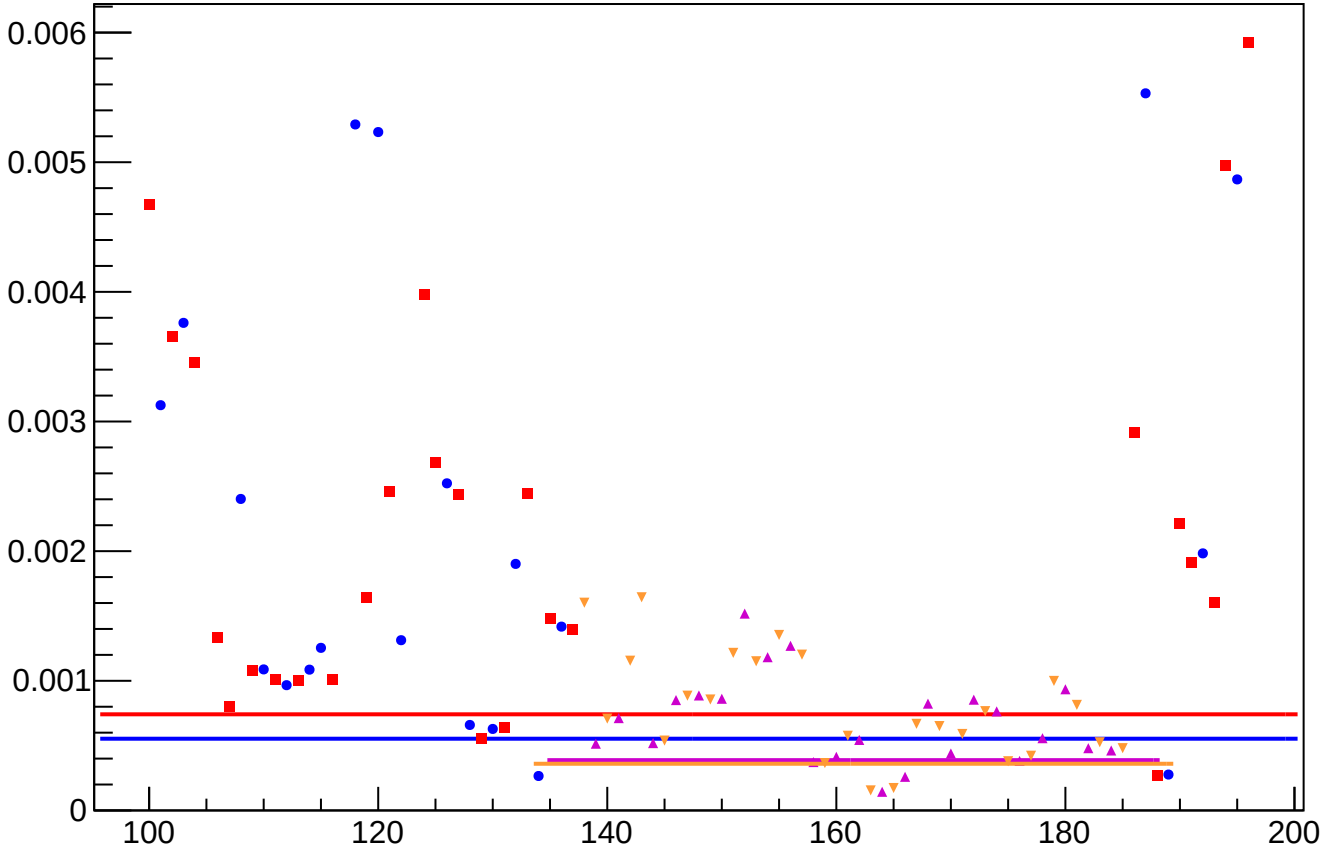
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.7/44

All: 0.000+/-0.000 χ^2/NDF: 138.0/93

- sign 0.000+/-0.000 χ^2/NDF: 54.0/48

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9785651.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

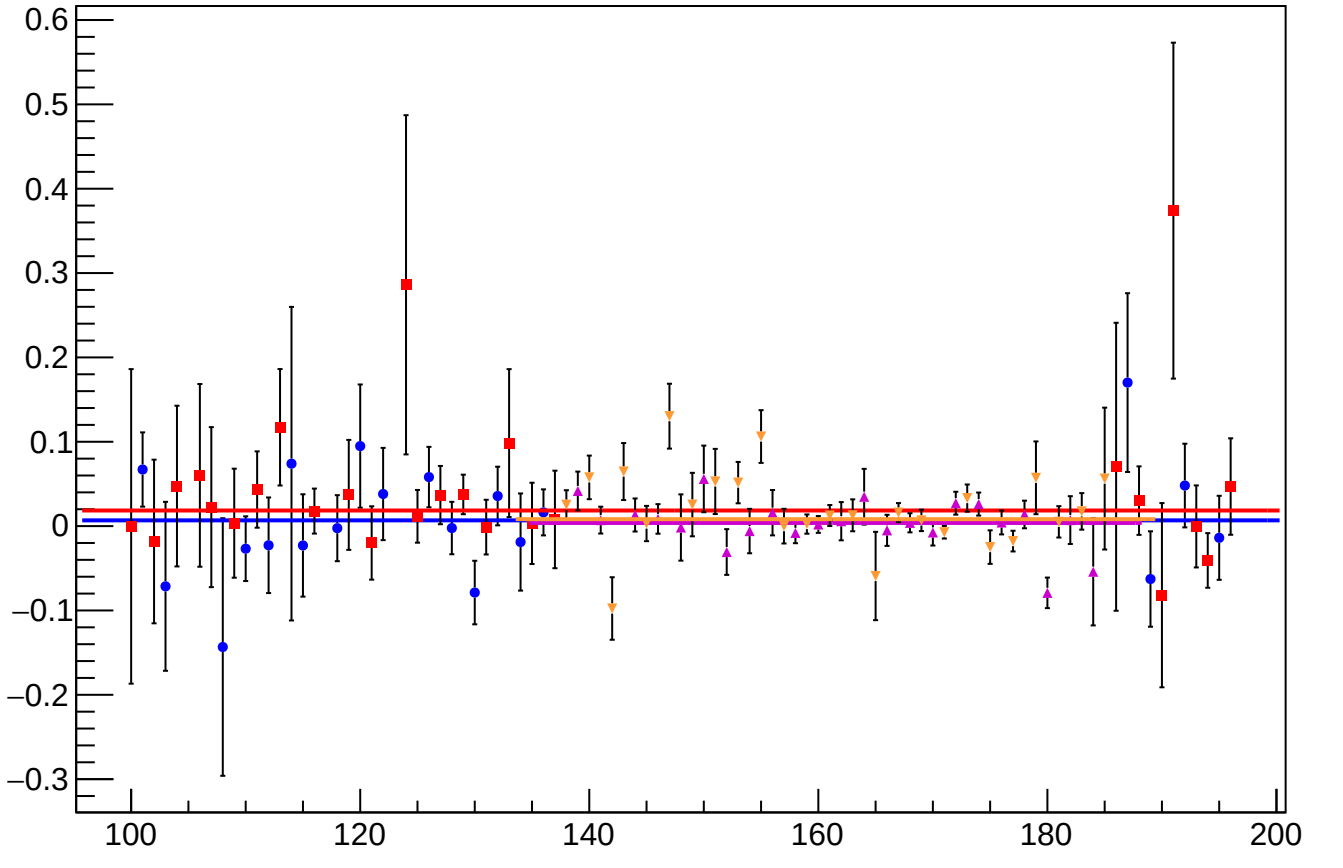
Right Out: 0.001+/-0.000 χ^2/NDF: 10221585.1/25

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 24672436.1/44

All: 0.000+/-0.000 χ^2/NDF: 47767371.1/93

- sign 0.000+/-0.000 χ^2/NDF: 22916135.6/48



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

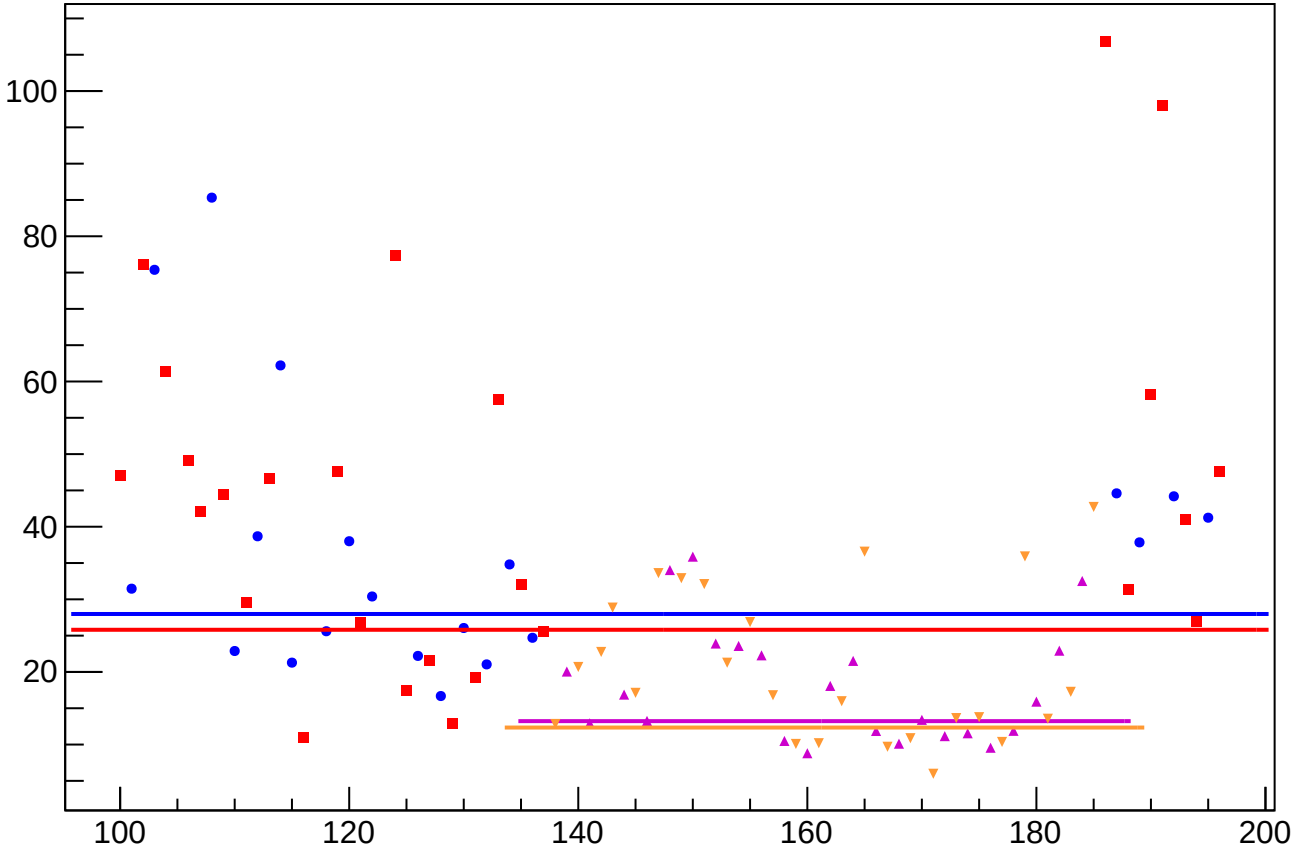
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.9/93

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

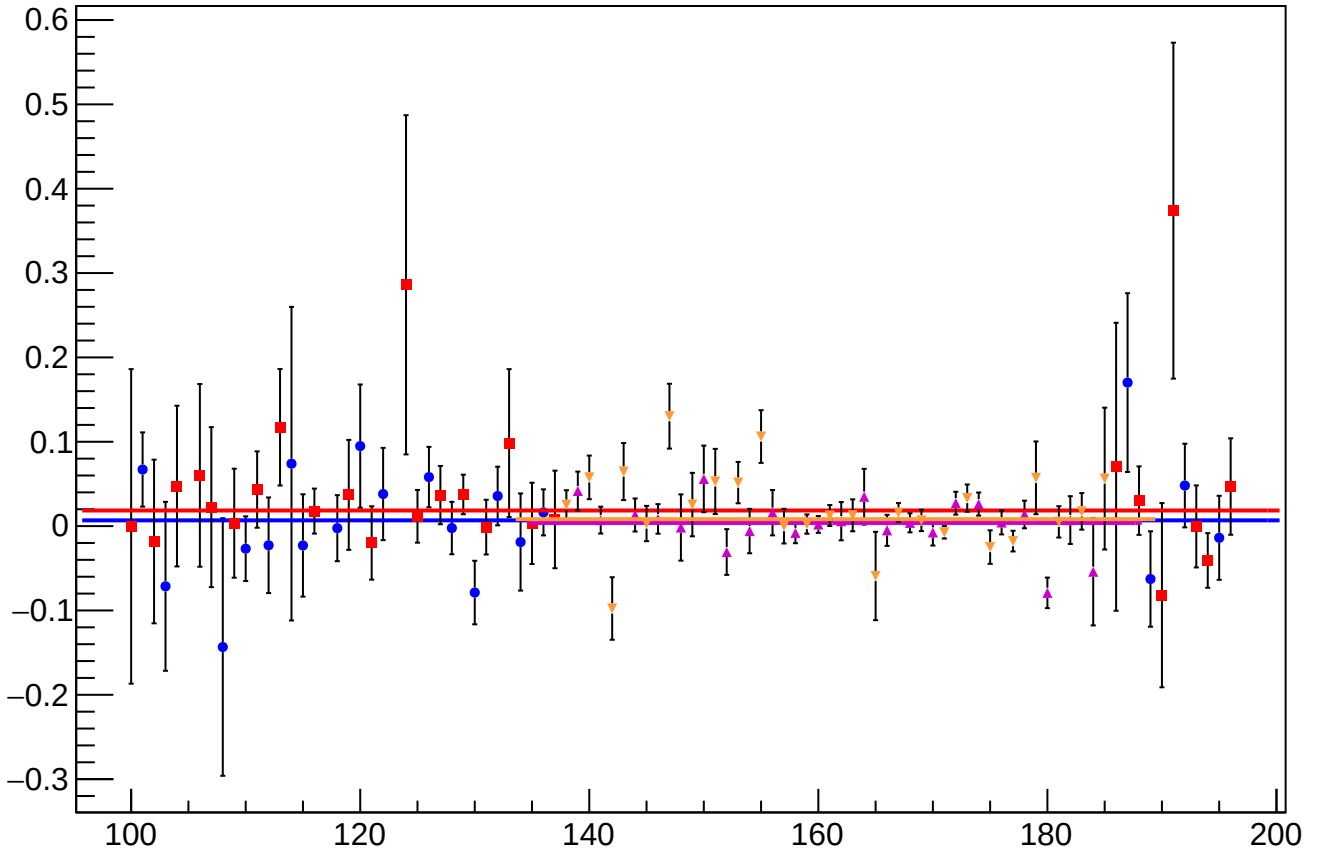
Right Out: 25.807+/-0.007 χ^2/NDF: 4909498.2/25

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 13.909+/-0.002 χ^2/NDF: 12763113.5/44

All: 14.380+/-0.002 χ^2/NDF: 24789645.6/93

\- sign 14.884+/-0.002 χ^2/NDF: 11940954.5/48



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

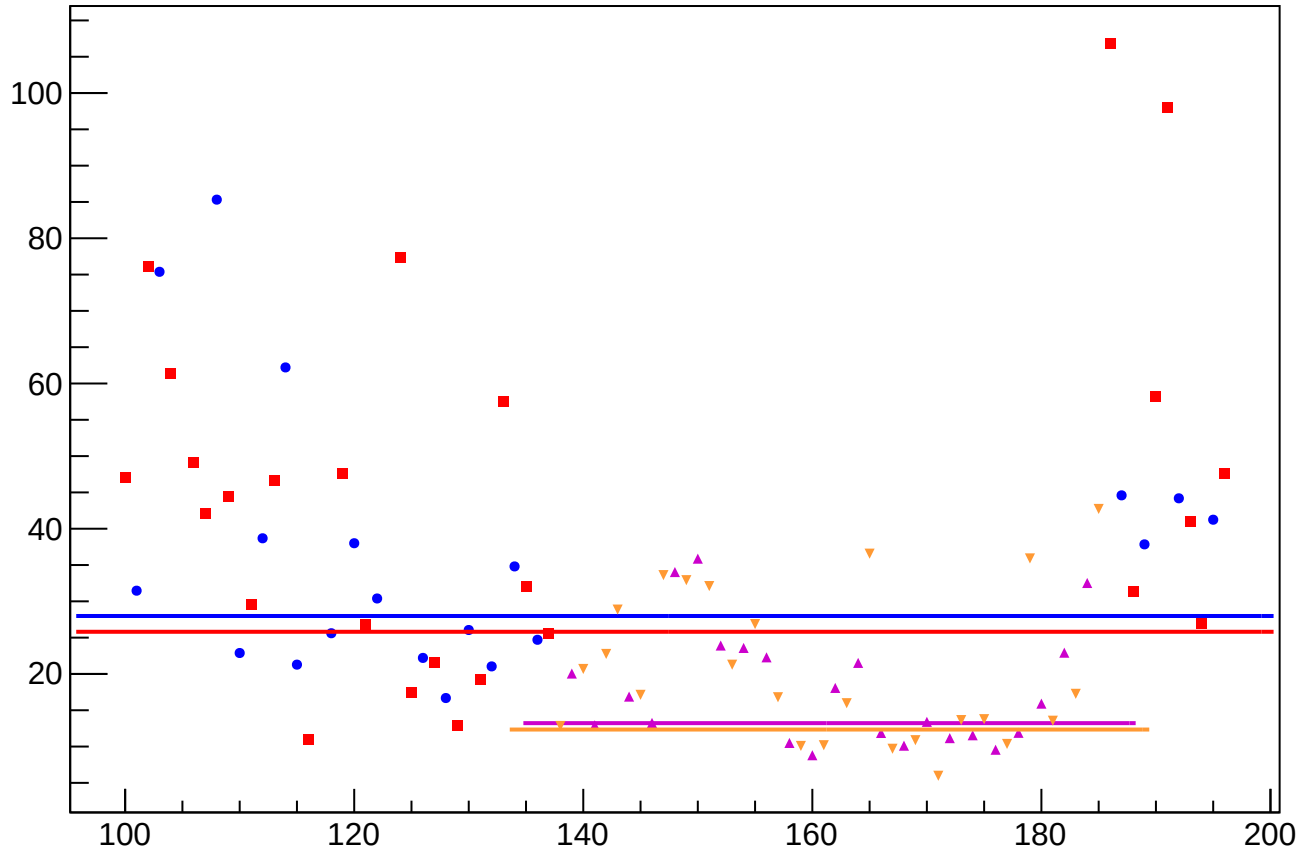
Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.9/93

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

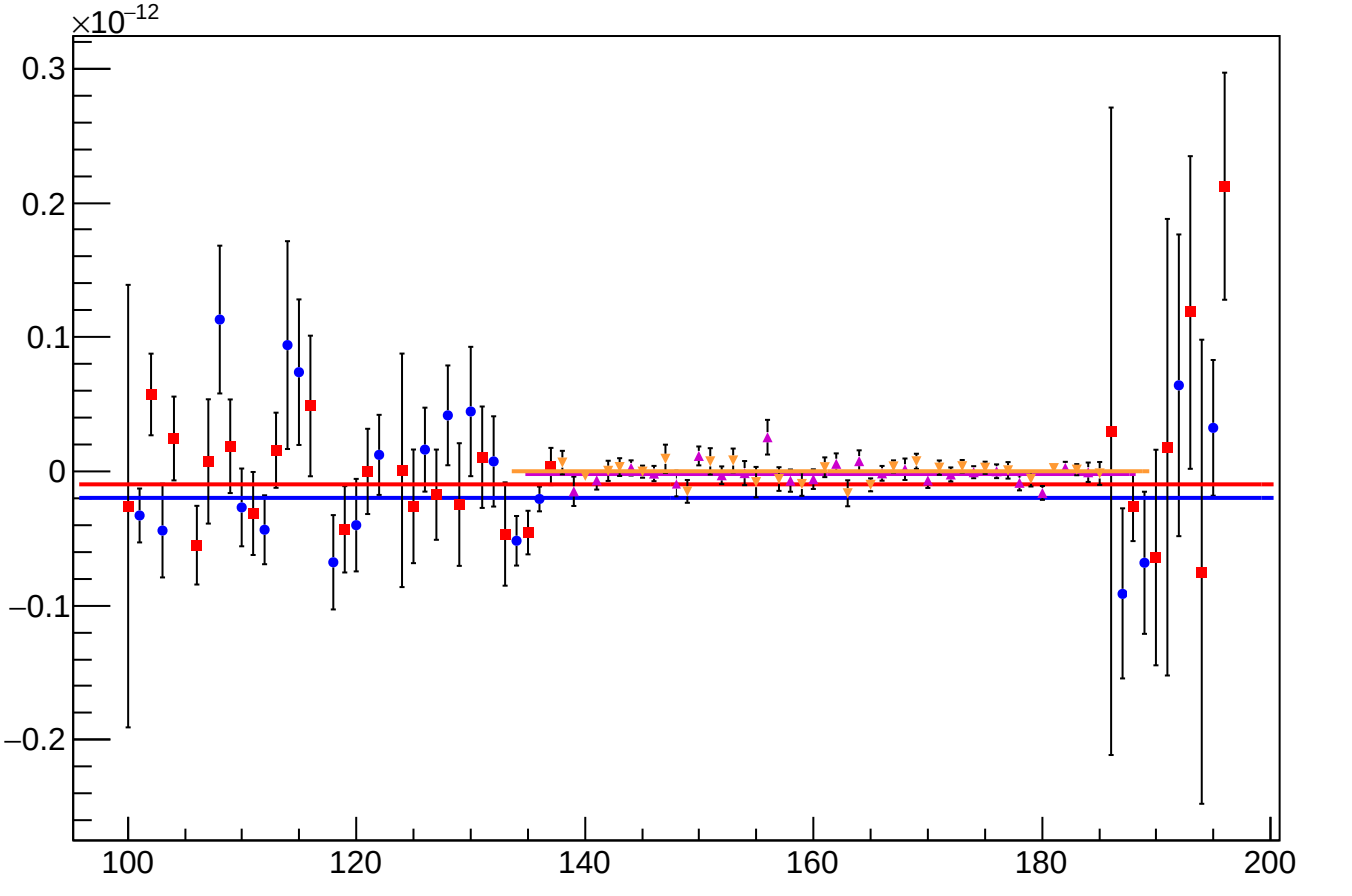
Right Out: 25.807+/-0.007 χ^2/NDF: 4909498.2/25

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.909+/-0.002 χ^2/NDF: 12763113.5/44

All: 14.380+/-0.002 χ^2/NDF: 24789645.6/93

- sign 14.884+/-0.002 χ^2/NDF: 11940954.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

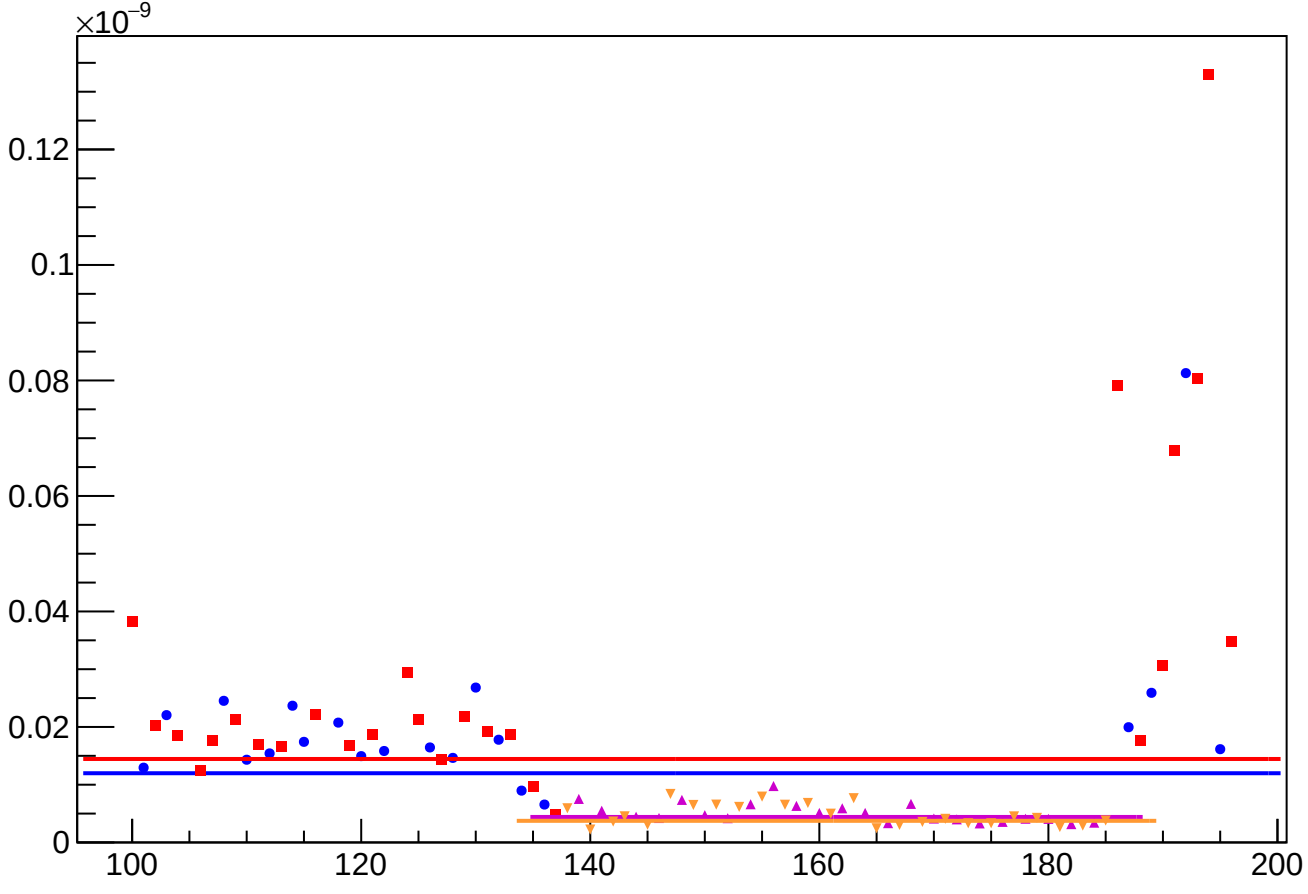
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/25

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/44

All: -0.000+/-0.000 χ^2/NDF: 118.8/93

- sign -0.000+/-0.000 χ^2/NDF: 56.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2560600.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3867352.0/25

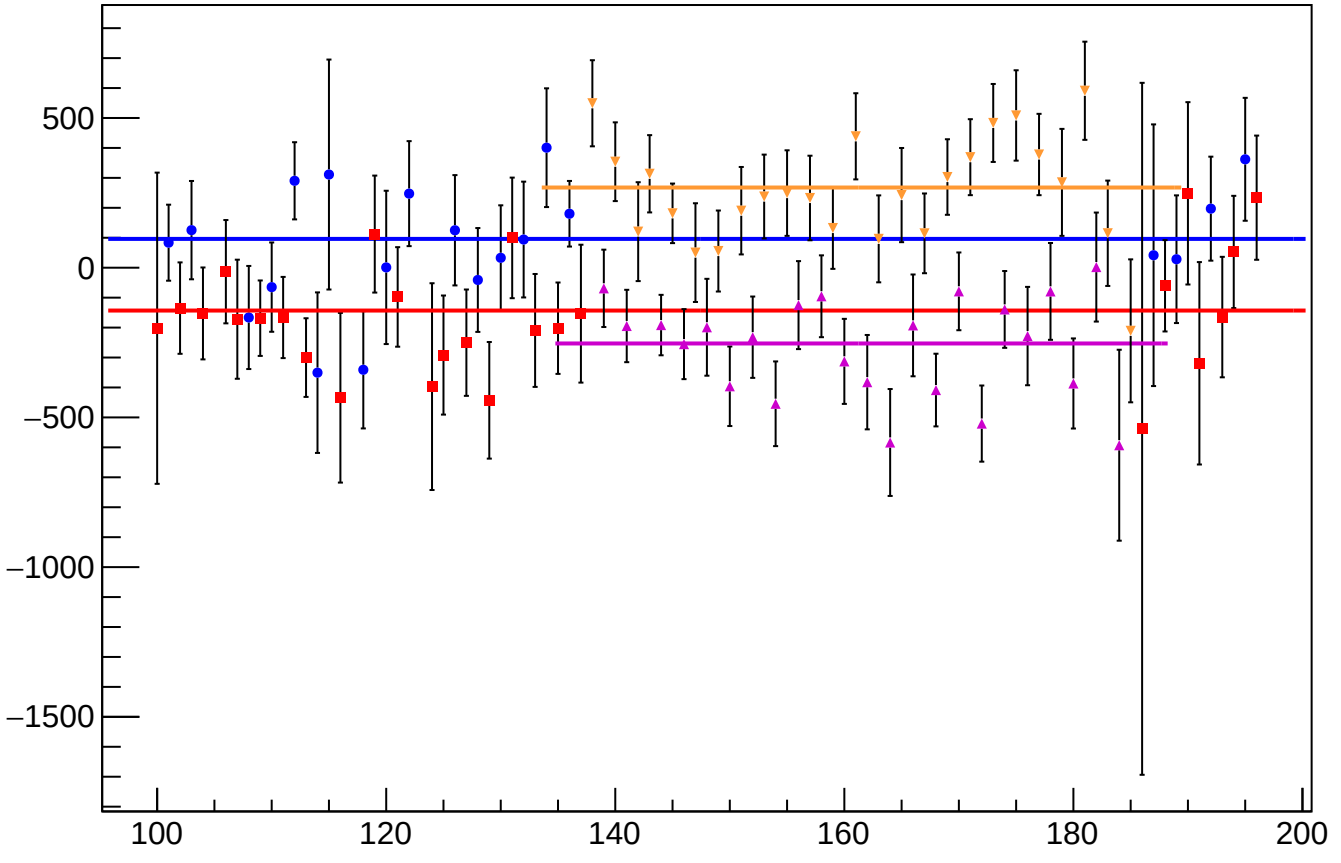
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9380643.8/44

All: 0.000+/-0.000 χ^2/NDF: 19973601.7/93

- sign 0.000+/-0.000 χ^2/NDF: 10200110.4/48

reg_asym_sam_48_dd_mean vs Slug



Right In: 96.189+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -143.087+/-36.657 χ^2/NDF: 17.3/25

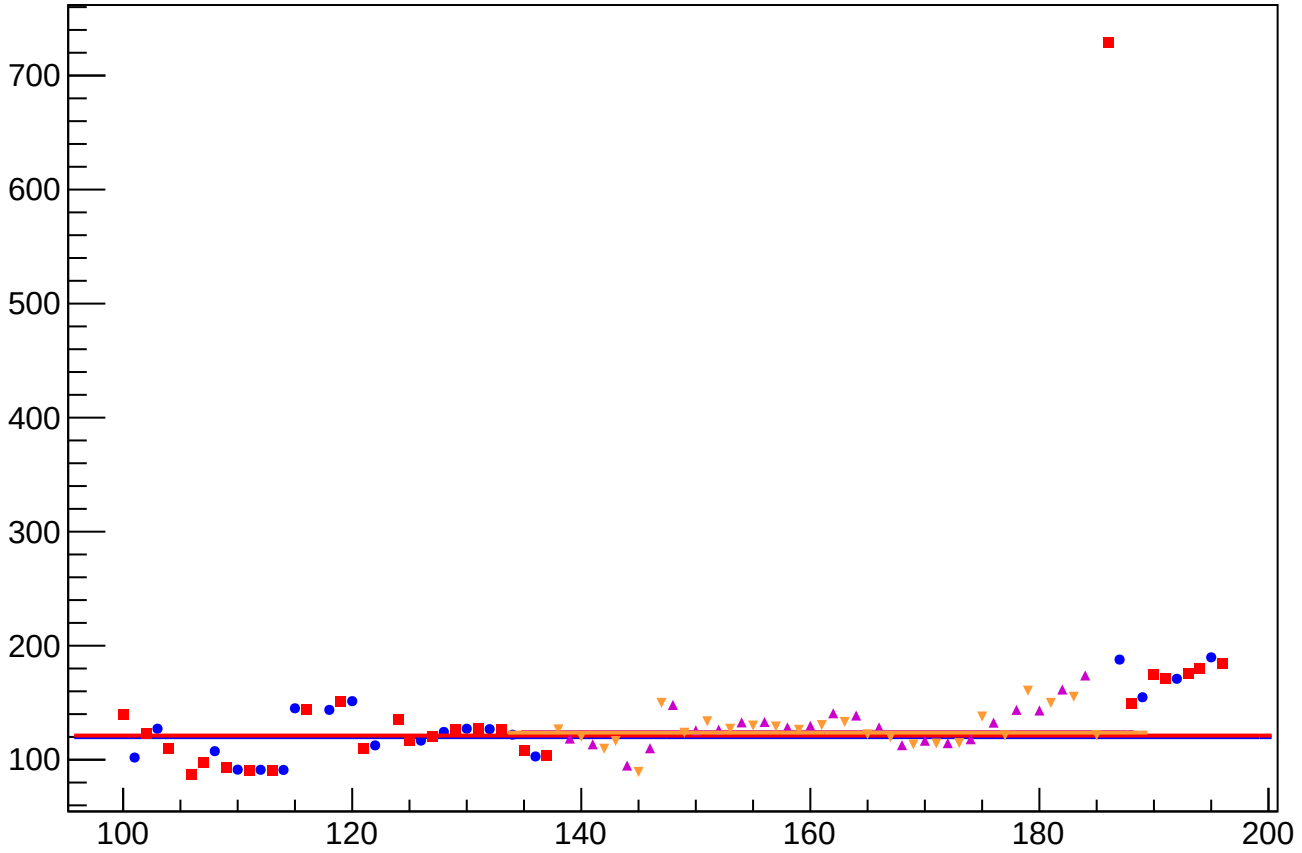
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 208.895+/-23.023 χ^2/NDF: 64.1/44

All: -1.811+/-16.234 χ^2/NDF: 279.6/93

- sign -210.159+/-22.893 χ^2/NDF: 48.9/48

reg_asym_sam_48_dd_rms vs Slug



Right In: 119.820+/-0.028 χ^2/NDF: 885603.3/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 121.187+/-0.026 χ^2/NDF: 1791736.4/25

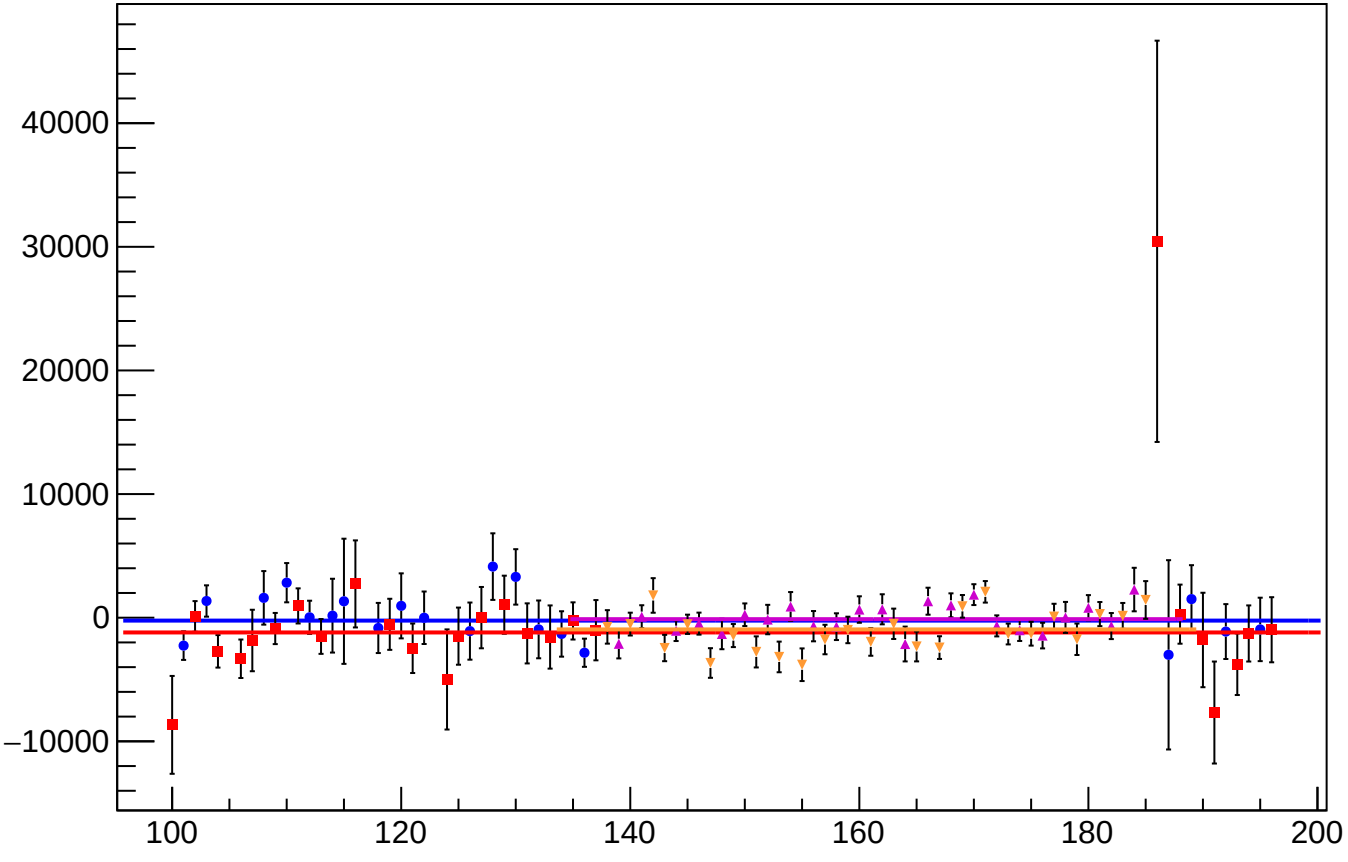
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 122.439+/-0.016 χ^2/NDF: 1497570.6/44

All: 122.752+/-0.011 χ^2/NDF: 3855820.4/93

- sign 123.061+/-0.016 χ^2/NDF: 2357516.1/48

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -234.743+/-423.396 χ^2/NDF: 21.2/19

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1193.739+/-395.481 χ^2/NDF: 22.3/25

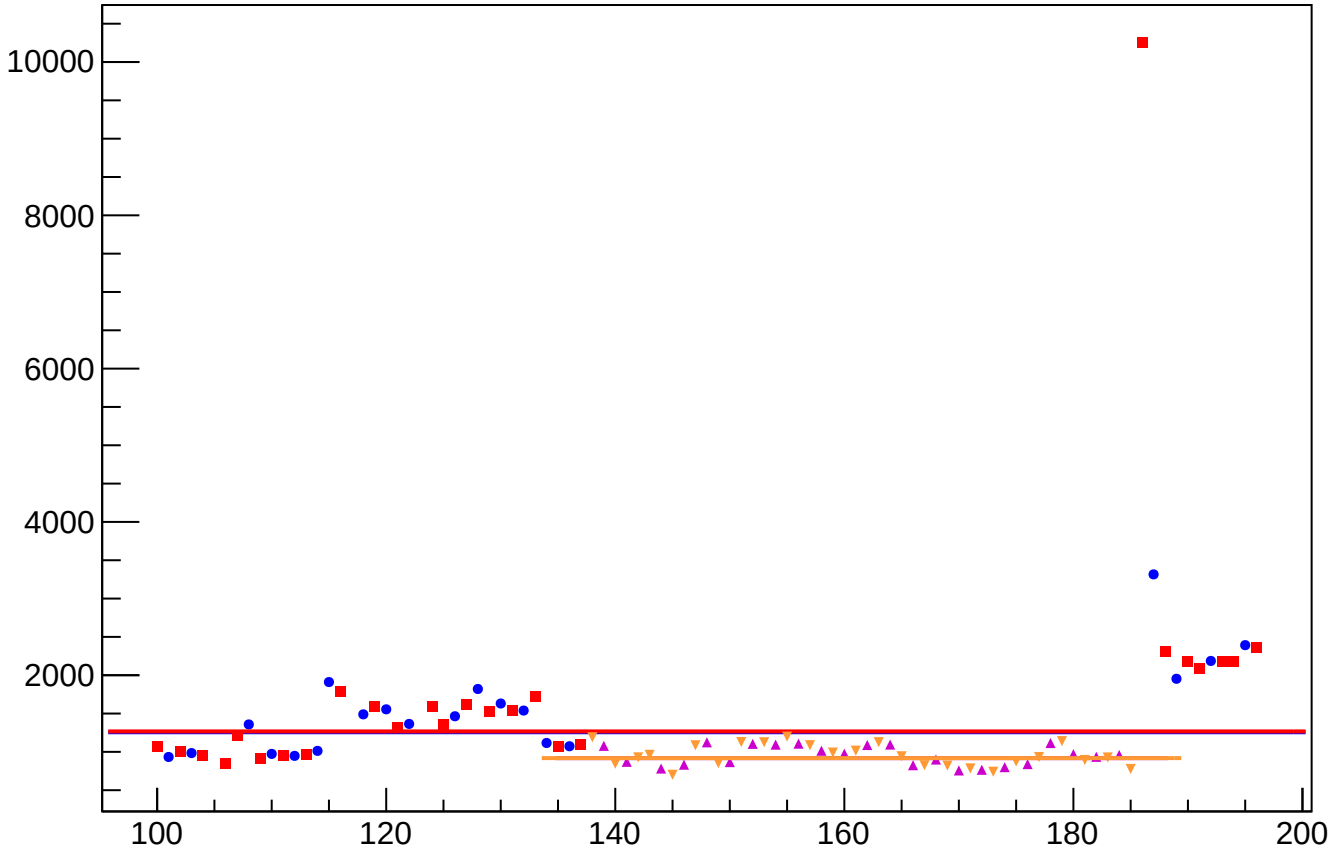
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -805.022+/-189.417 χ^2/NDF: 73.8/44

All: -587.368+/-134.268 χ^2/NDF: 128.8/93

- sign -367.553+/-190.355 χ^2/NDF: 52.4/48

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1256.010+/-0.299 χ^2/NDF: 1795789.8/19

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1266.854+/-0.280 χ^2/NDF: 3147072.9/25

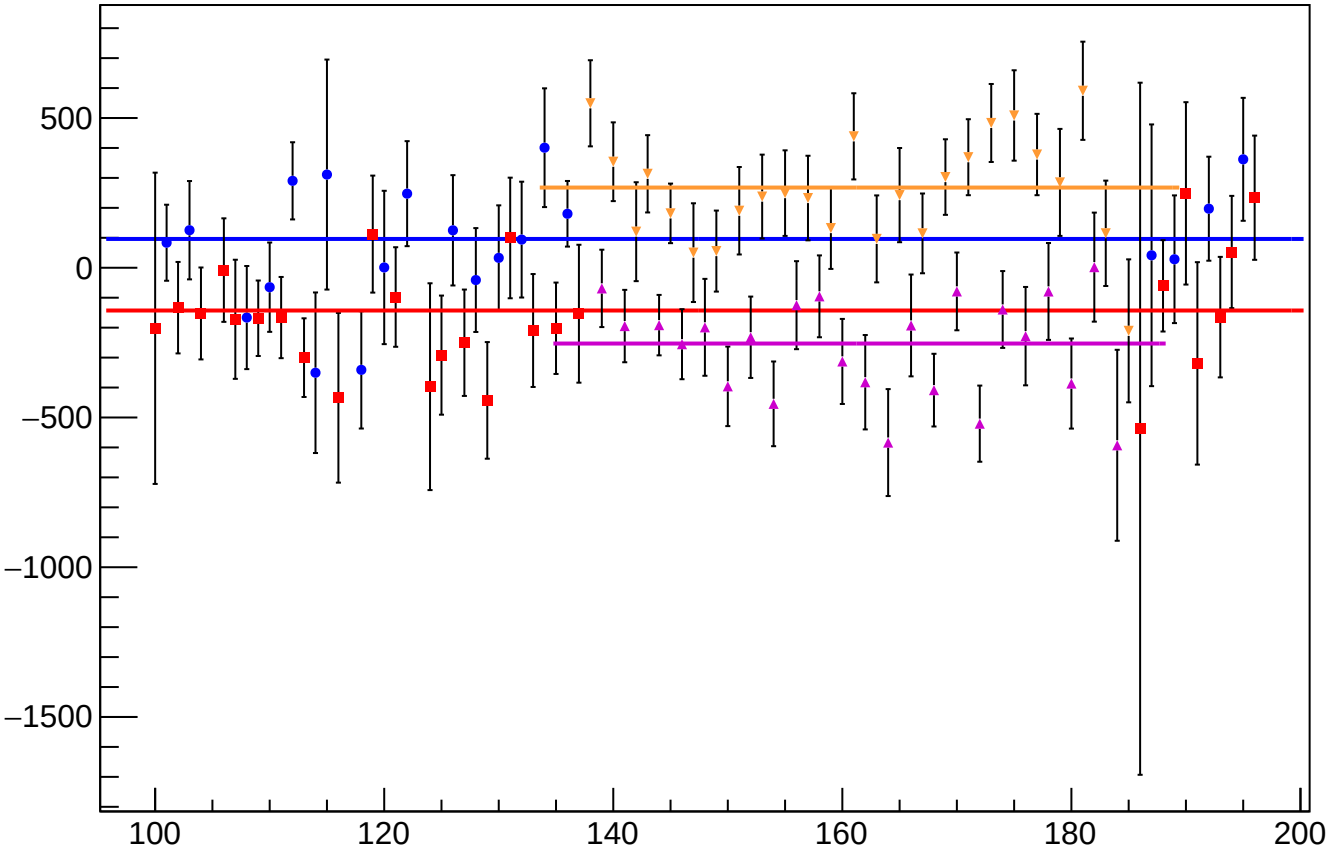
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 986.052+/-0.134 χ^2/NDF: 3700138.0/44

All: 992.486+/-0.095 χ^2/NDF: 8712316.5/93

- sign 998.985+/-0.135 χ^2/NDF: 5007539.8/48

cor_asym_sam_48_dd_mean vs Slug



Right In: 96.180+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -142.761+/-36.661 χ^2/NDF: 17.3/25

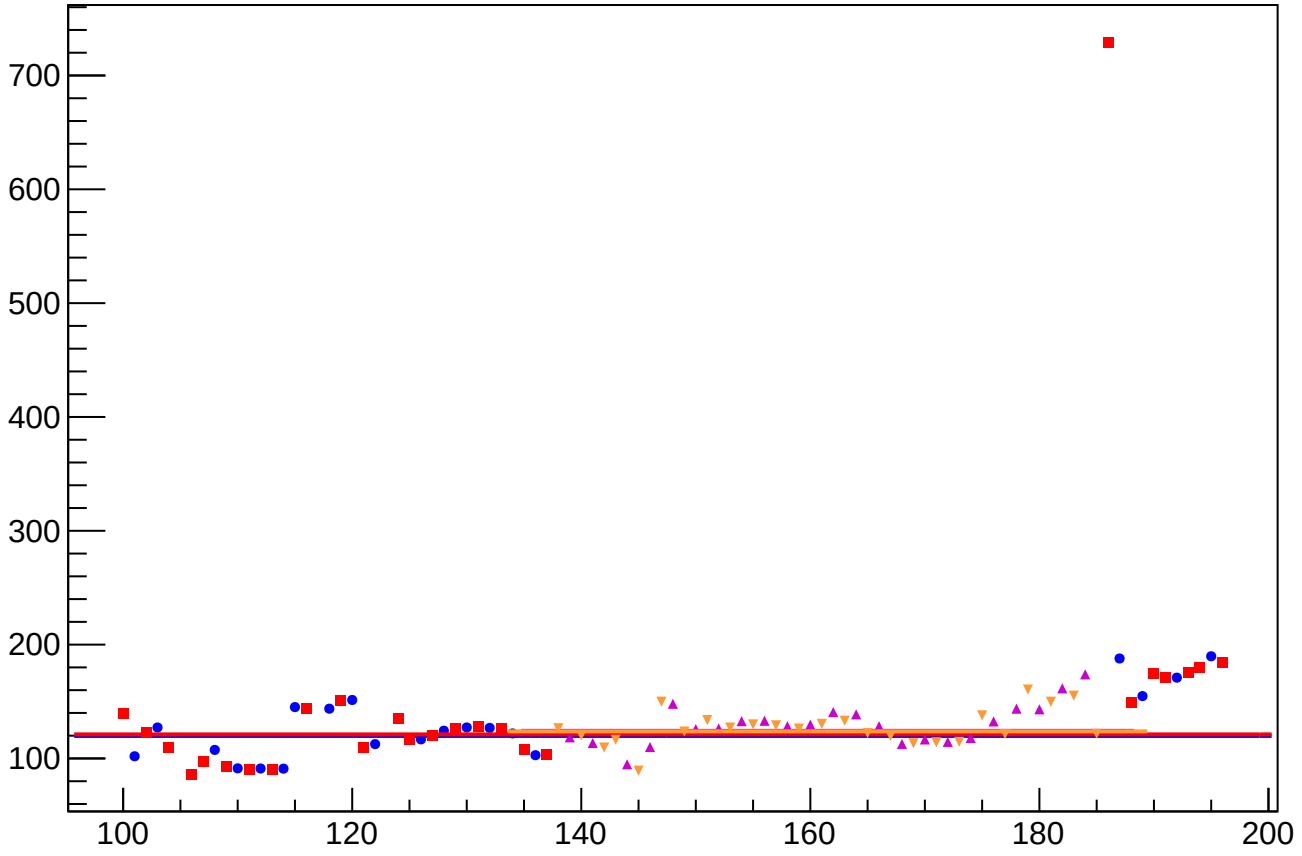
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 208.898+/-23.023 χ^2/NDF: 64.1/44

All: -1.741+/-16.234 χ^2/NDF: 279.6/93

- sign -210.040+/-22.894 χ^2/NDF: 49.0/48

cor_asym_sam_48_dd_rms vs Slug



Right In: 119.820+/-0.028 χ^2/NDF: 885603.8/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 121.144+/-0.026 χ^2/NDF: 1796790.5/25

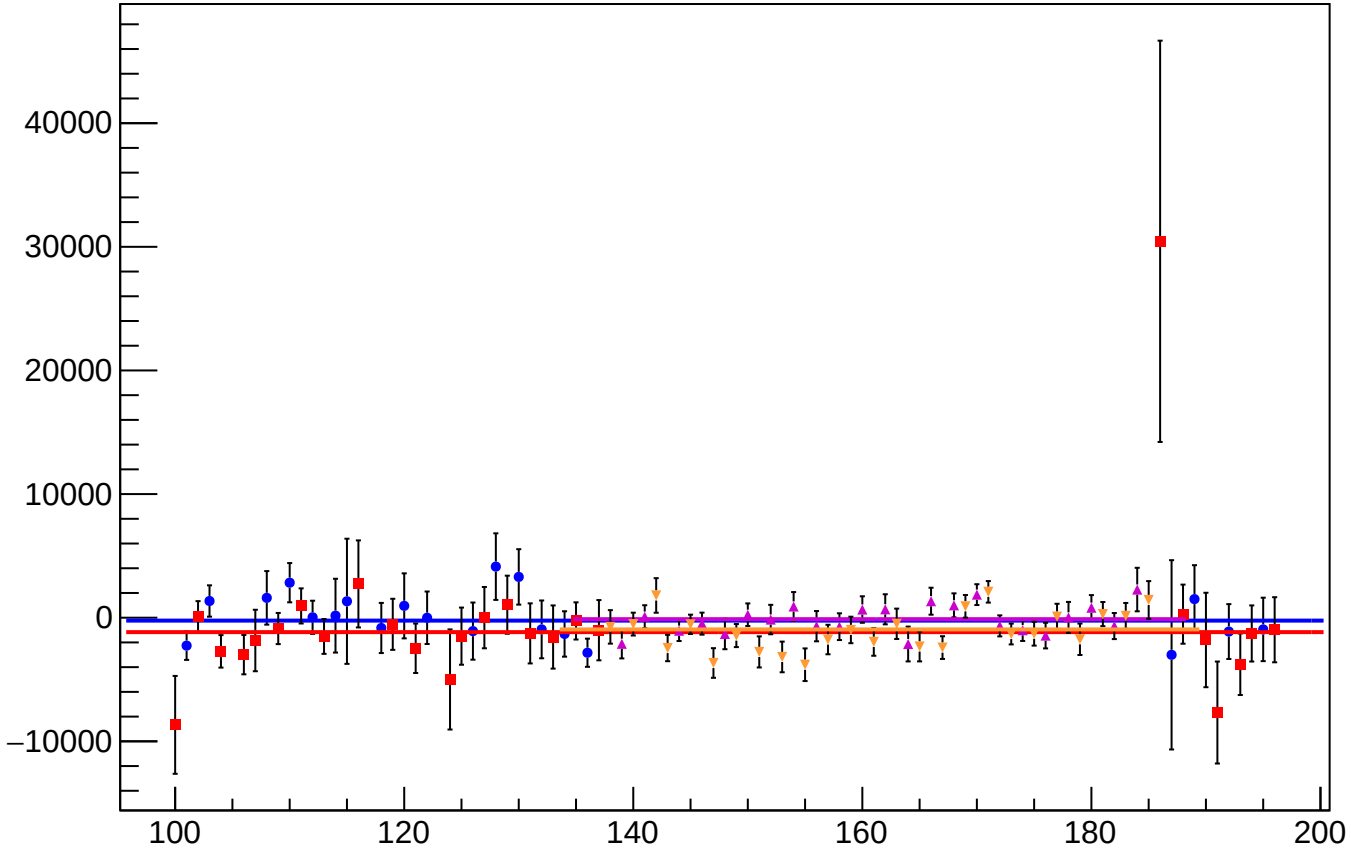
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

\+ sign 122.439+/-0.016 χ^2/NDF: 1497571.0/44

All: 122.743+/-0.011 χ^2/NDF: 3861076.5/93

\- sign 123.044+/-0.016 χ^2/NDF: 2362810.5/48

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -234.825+/-423.399 χ^2/NDF: 21.2/19

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1167.110+/-396.081 χ^2/NDF: 21.7/25

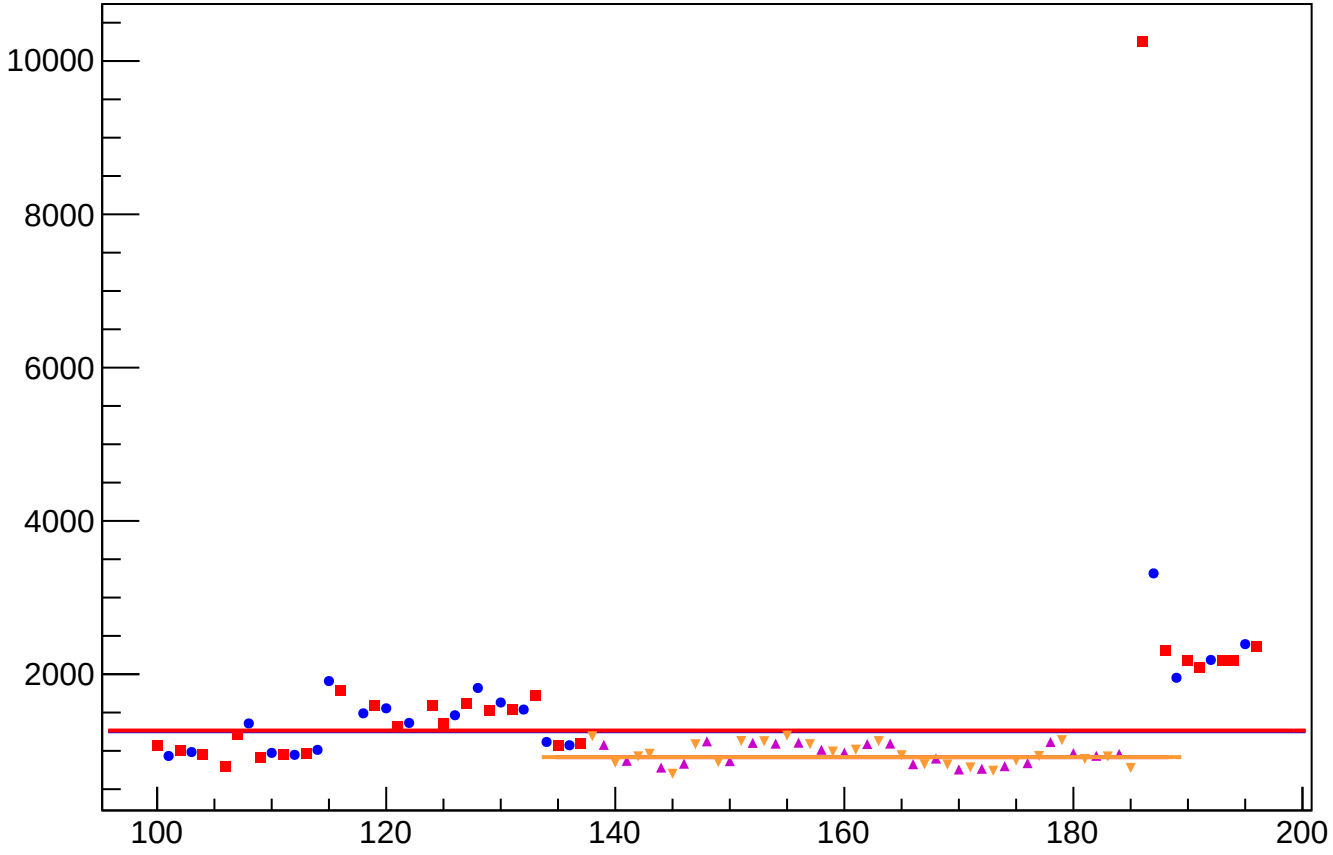
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -805.031+/-189.417 χ^2/NDF: 73.8/44

All: -584.100+/-134.292 χ^2/NDF: 128.0/93

- sign -360.819+/-190.422 χ^2/NDF: 51.5/48

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1256.020+/-0.299 χ^2/NDF: 1795738.9/19

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1265.027+/-0.280 χ^2/NDF: 3175562.1/25

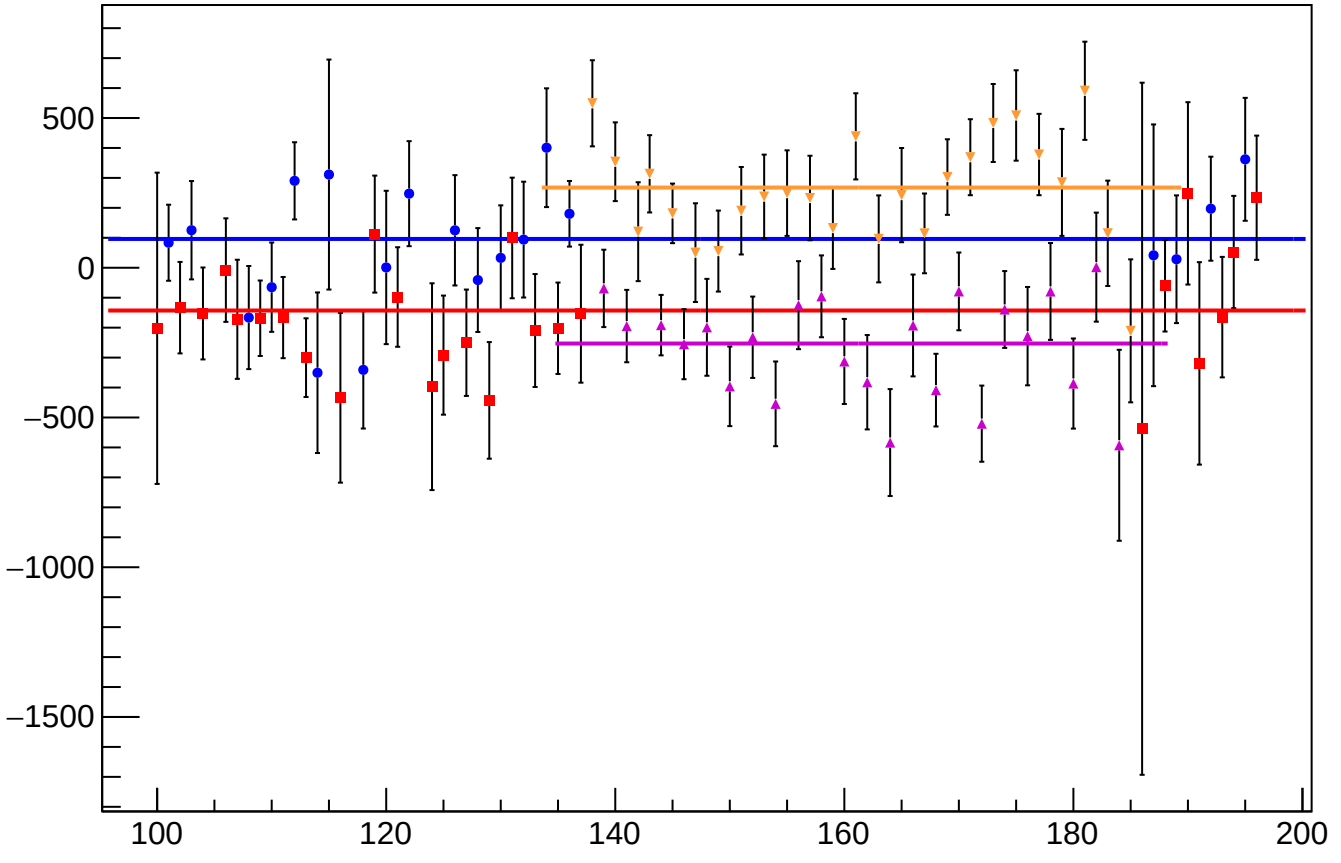
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

\+ sign 986.053+/-0.134 χ^2/NDF: 3700136.1/44

All: 992.181+/-0.095 χ^2/NDF: 8725138.0/93

\- sign 998.374+/-0.135 χ^2/NDF: 5020793.1/48

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 96.180+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -142.761+/-36.661 χ^2/NDF: 17.3/25

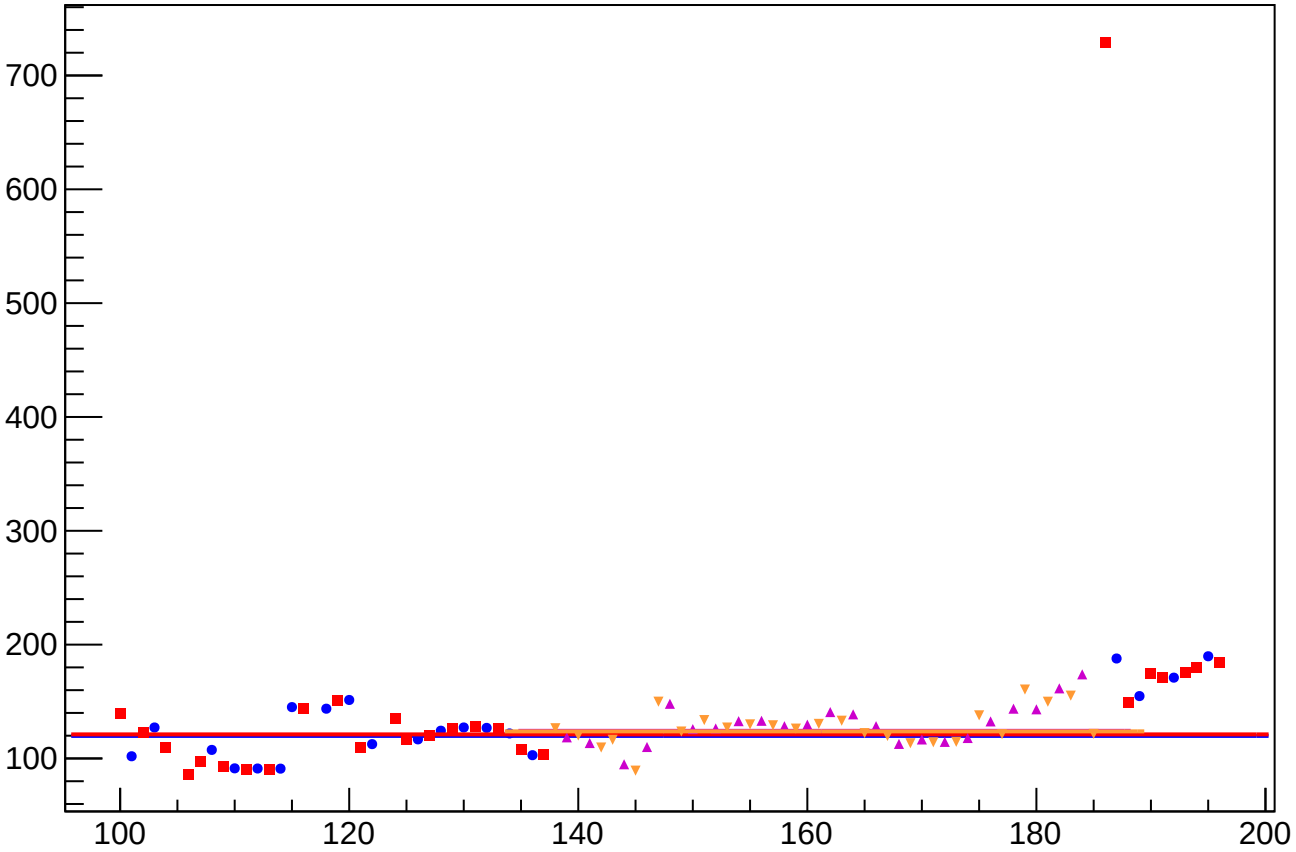
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 208.898+/-23.023 χ^2/NDF: 64.1/44

All: -1.741+/-16.234 χ^2/NDF: 279.6/93

- sign -210.040+/-22.894 χ^2/NDF: 49.0/48

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 119.820+/-0.028 χ^2/NDF: 885603.8/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

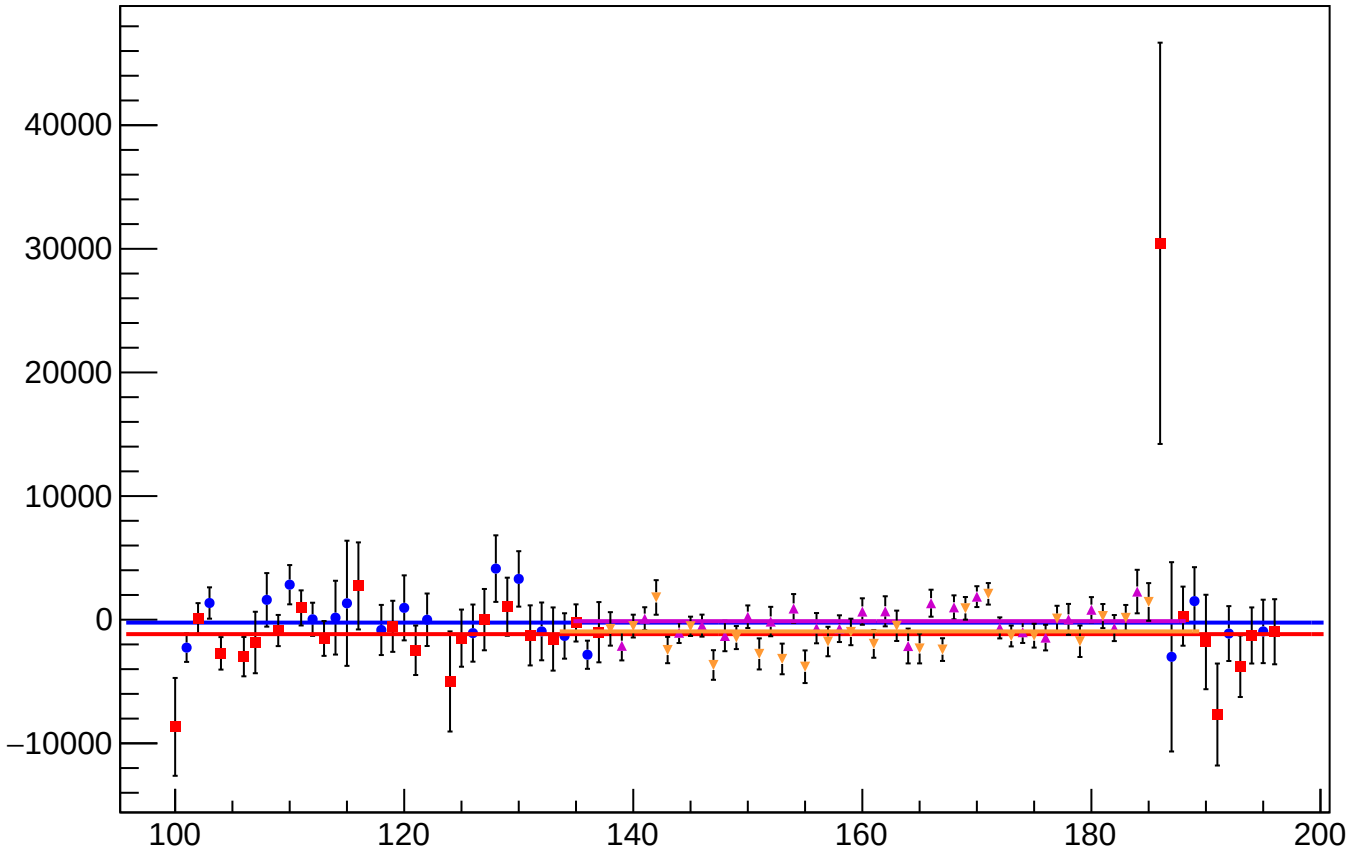
Right Out: 121.144+/-0.026 χ^2/NDF: 1796790.5/25

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 122.439+/-0.016 χ^2/NDF: 1497571.0/44

All: 122.743+/-0.011 χ^2/NDF: 3861076.5/93

- sign 123.044+/-0.016 χ^2/NDF: 2362810.5/48



Right In: -234.825+/-423.399 χ^2/NDF: 21.2/19

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1167.110+/-396.081 χ^2/NDF: 21.7/25

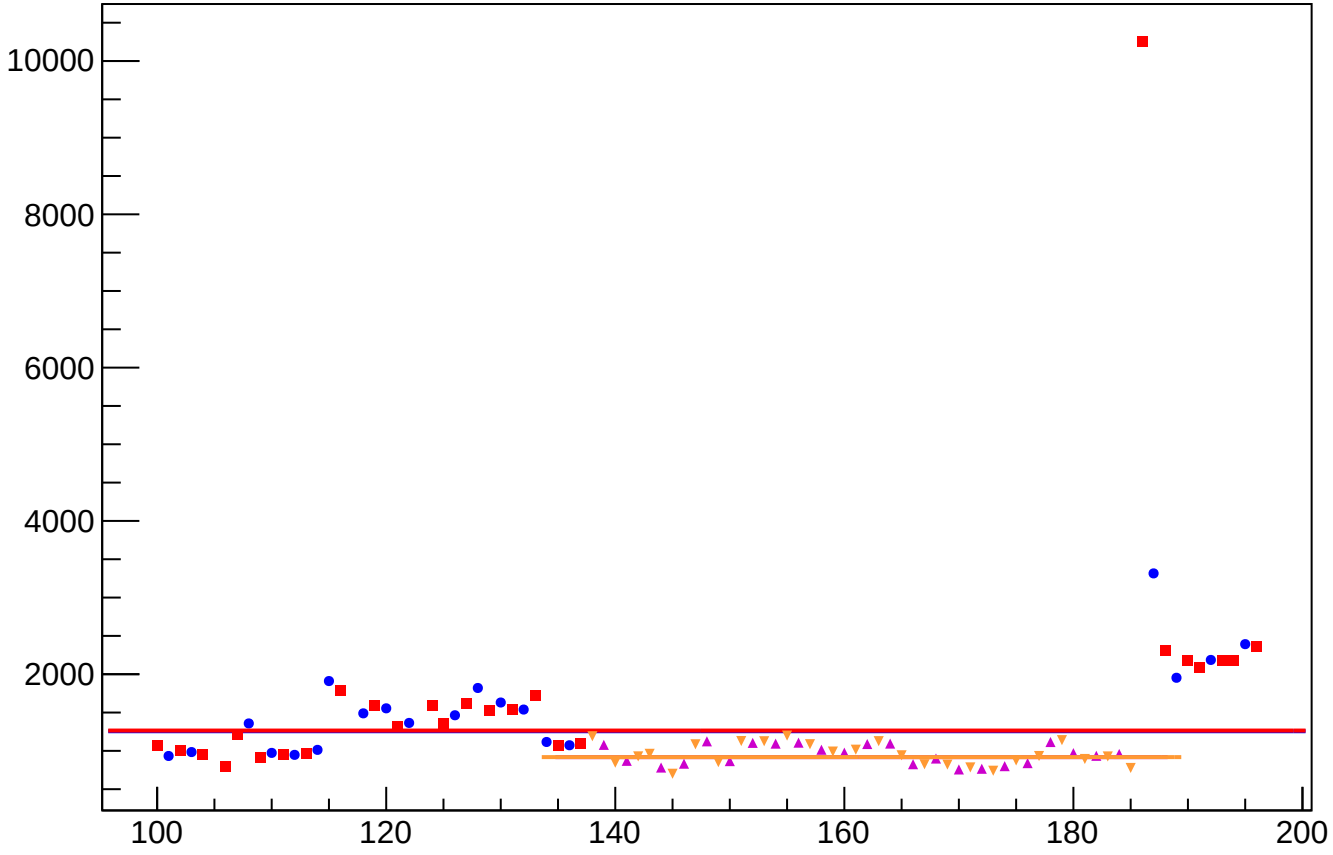
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -805.031+/-189.417 χ^2/NDF: 73.8/44

All: -584.100+/-134.292 χ^2/NDF: 128.0/93

- sign -360.819+/-190.422 χ^2/NDF: 51.5/48

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1256.020+/-0.299 χ^2/NDF: 1795738.9/19

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1265.027+/-0.280 χ^2/NDF: 3175562.1/25

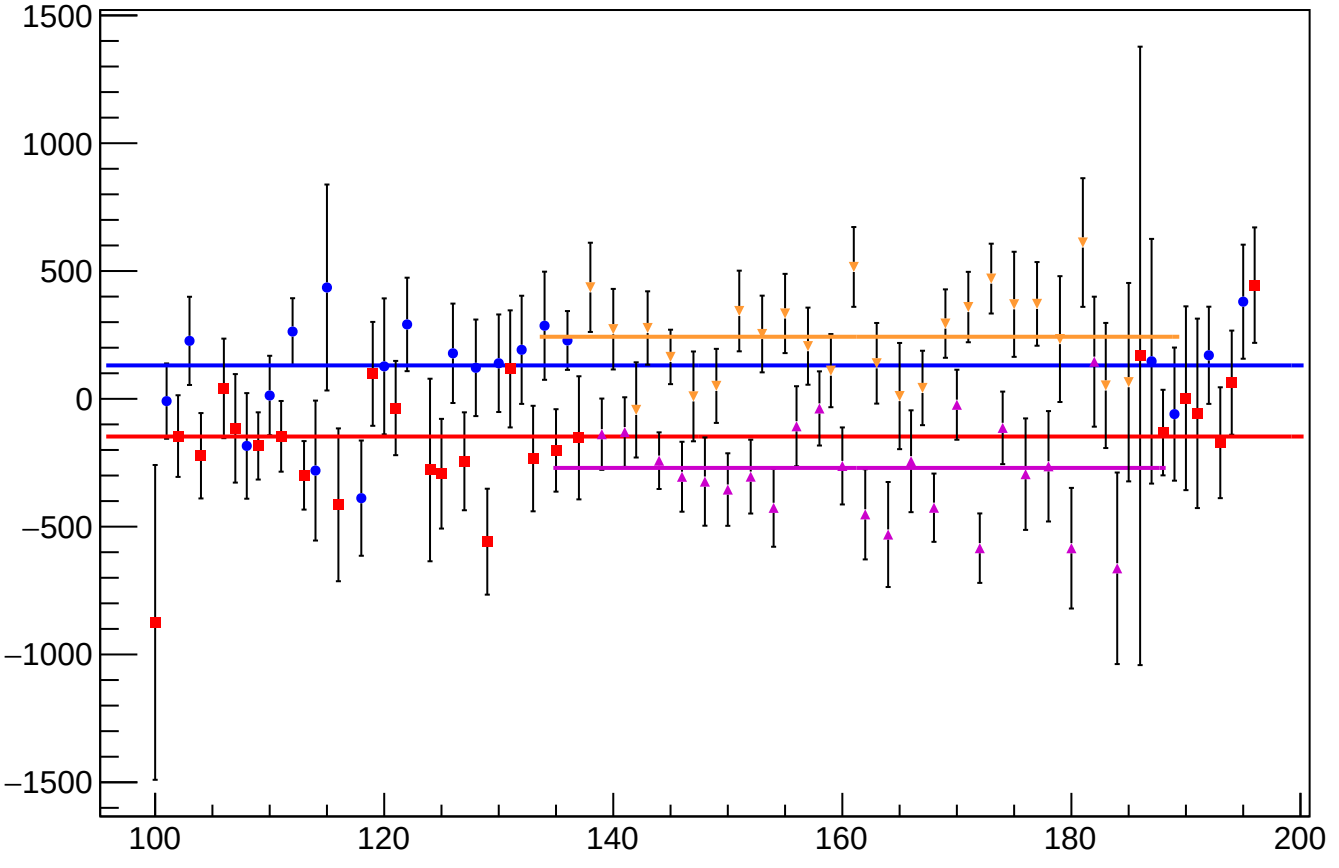
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

\+ sign 986.053+/-0.134 χ^2/NDF: 3700136.1/44

All: 992.181+/-0.095 χ^2/NDF: 8725138.0/93

\- sign 998.374+/-0.135 χ^2/NDF: 5020793.1/48

dit_asym_sam_48_dd_mean vs Slug



Right In: 130.774+/-42.428 χ^2/NDF: 17.3/19

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -147.415+/-39.175 χ^2/NDF: 21.2/25

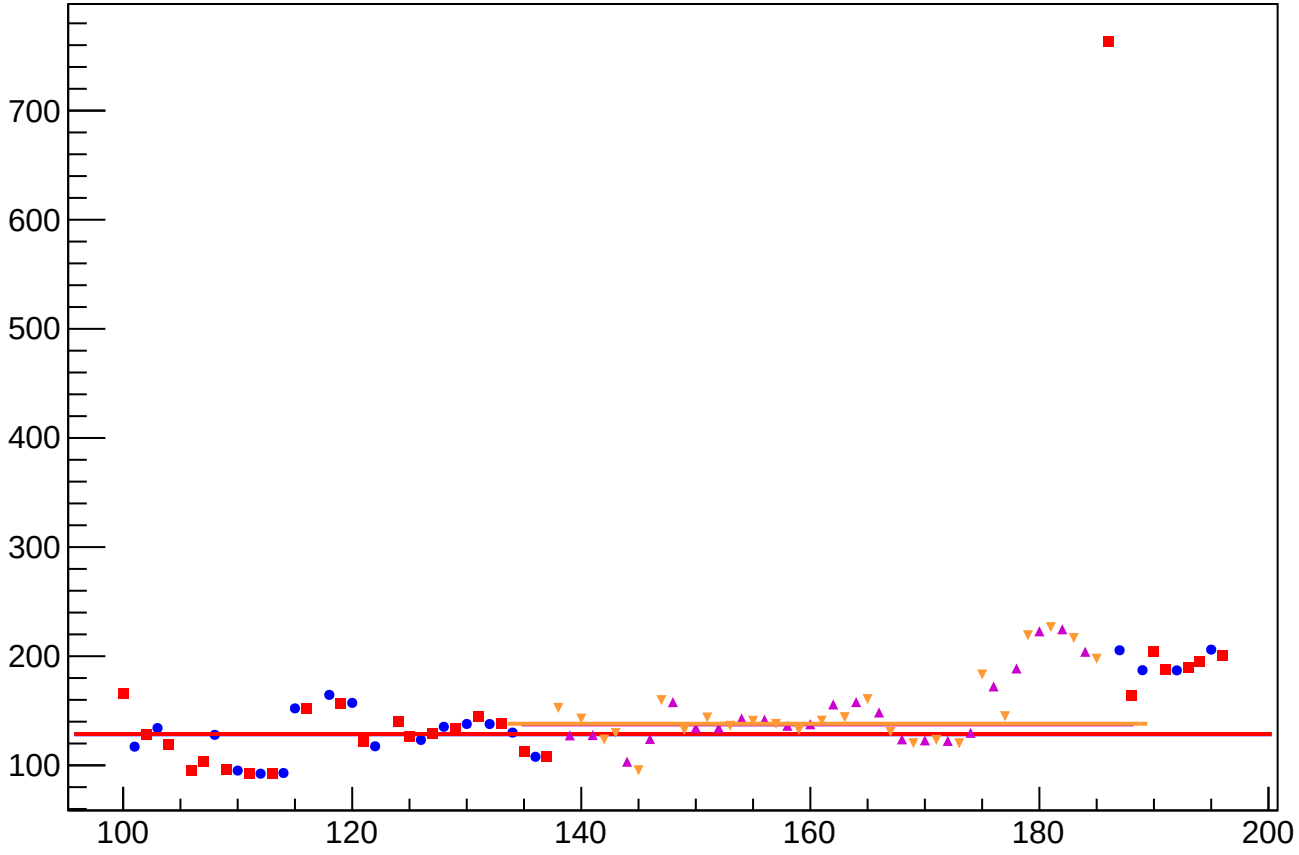
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.014+/-25.618 χ^2/NDF: 45.4/44

All: -12.268+/-17.962 χ^2/NDF: 236.7/93

- sign -219.454+/-25.191 χ^2/NDF: 53.7/48

dit_asym_sam_48_dd_rms vs Slug



Right In: 128.460+/-0.030 χ^2/NDF: 1043784.5/19

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 128.704+/-0.028 χ^2/NDF: 1960489.8/25

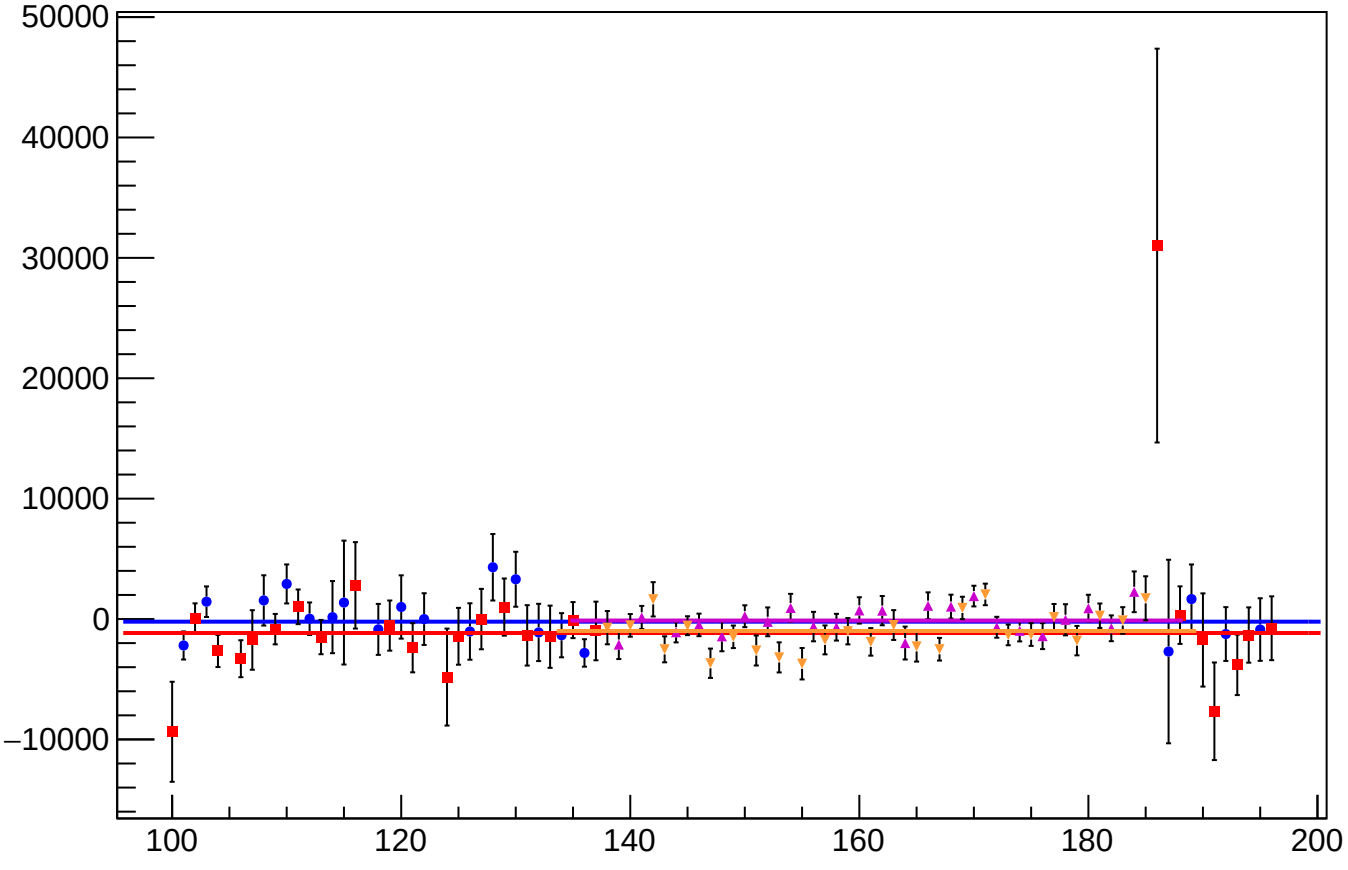
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 134.603+/-0.018 χ^2/NDF: 2448075.0/44

All: 134.224+/-0.013 χ^2/NDF: 5577778.7/93

- sign 133.858+/-0.018 χ^2/NDF: 3128844.2/48

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -218.678+/-427.024 χ^2/NDF: 21.2/19

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1160.801+/-398.141 χ^2/NDF: 22.6/25

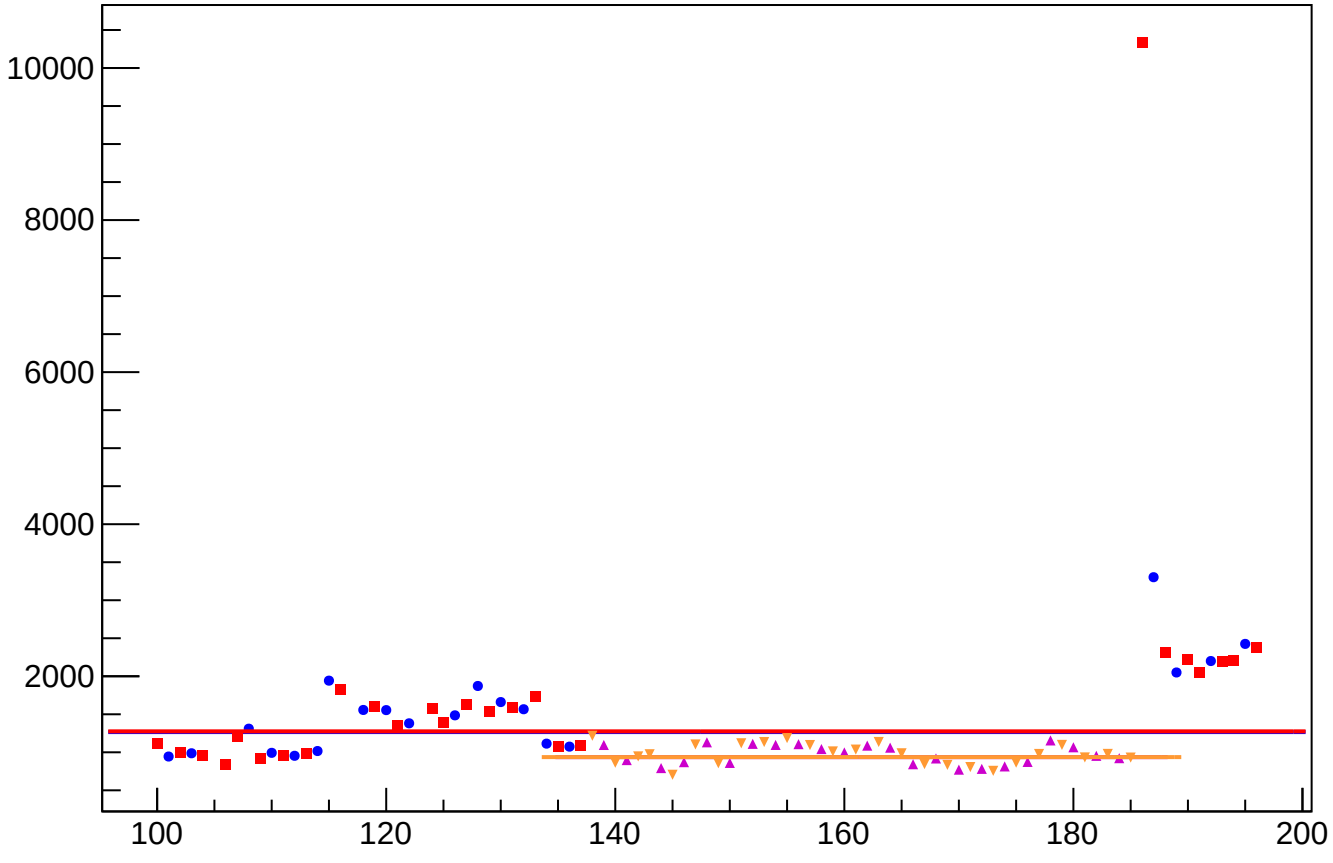
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -835.838+/-192.498 χ^2/NDF: 70.8/44

All: -603.838+/-136.460 χ^2/NDF: 125.3/93

- sign -369.482+/-193.473 χ^2/NDF: 51.6/48

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1265.891+/-0.302 χ^2/NDF: 1844817.9/19

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1275.590+/-0.282 χ^2/NDF: 3173810.0/25

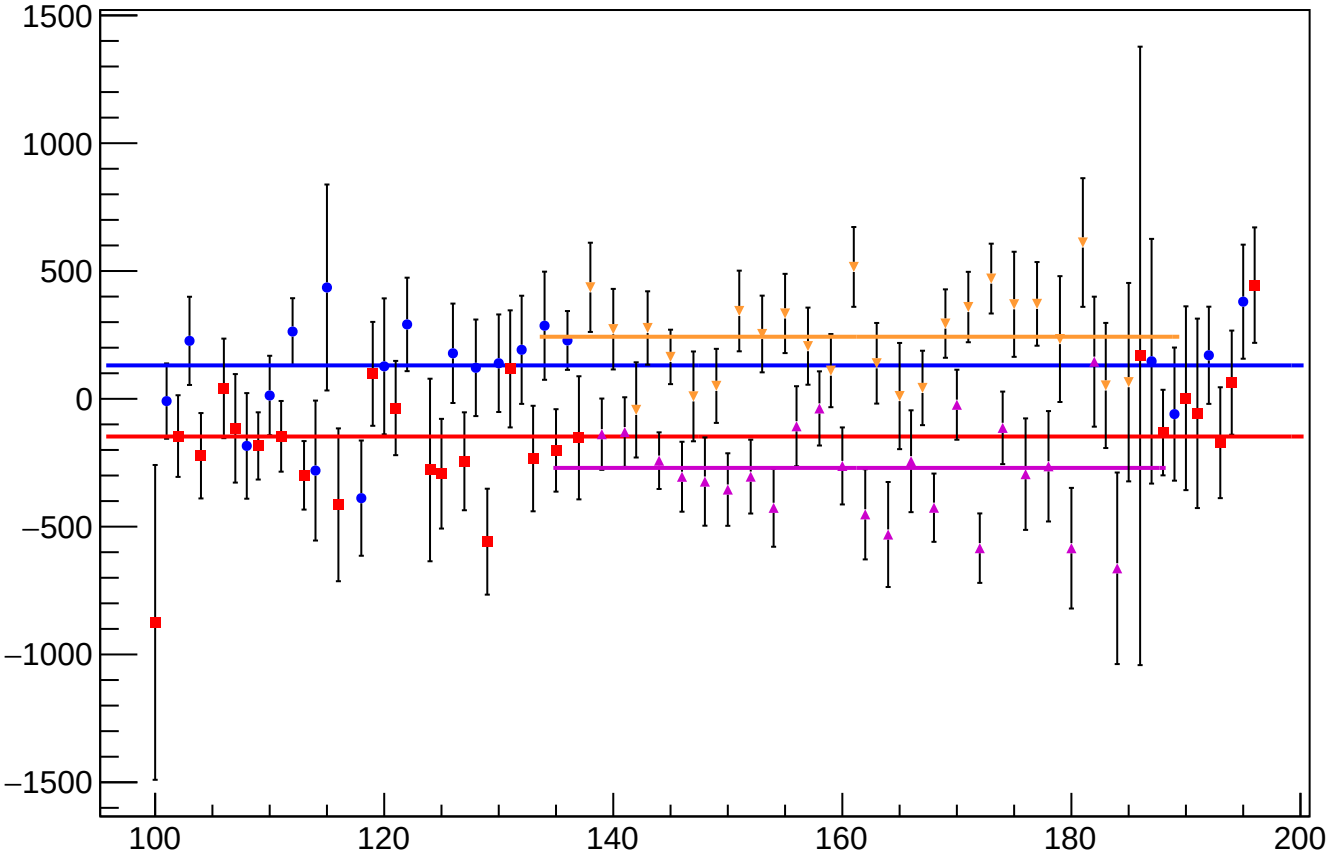
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1003.630+/-0.136 χ^2/NDF: 3624049.4/44

All: 1010.023+/-0.096 χ^2/NDF: 8553980.4/93

- sign 1016.481+/-0.137 χ^2/NDF: 4925496.8/48

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 130.775+/-42.428 χ^2/NDF: 17.3/19

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -147.415+/-39.175 χ^2/NDF: 21.2/25

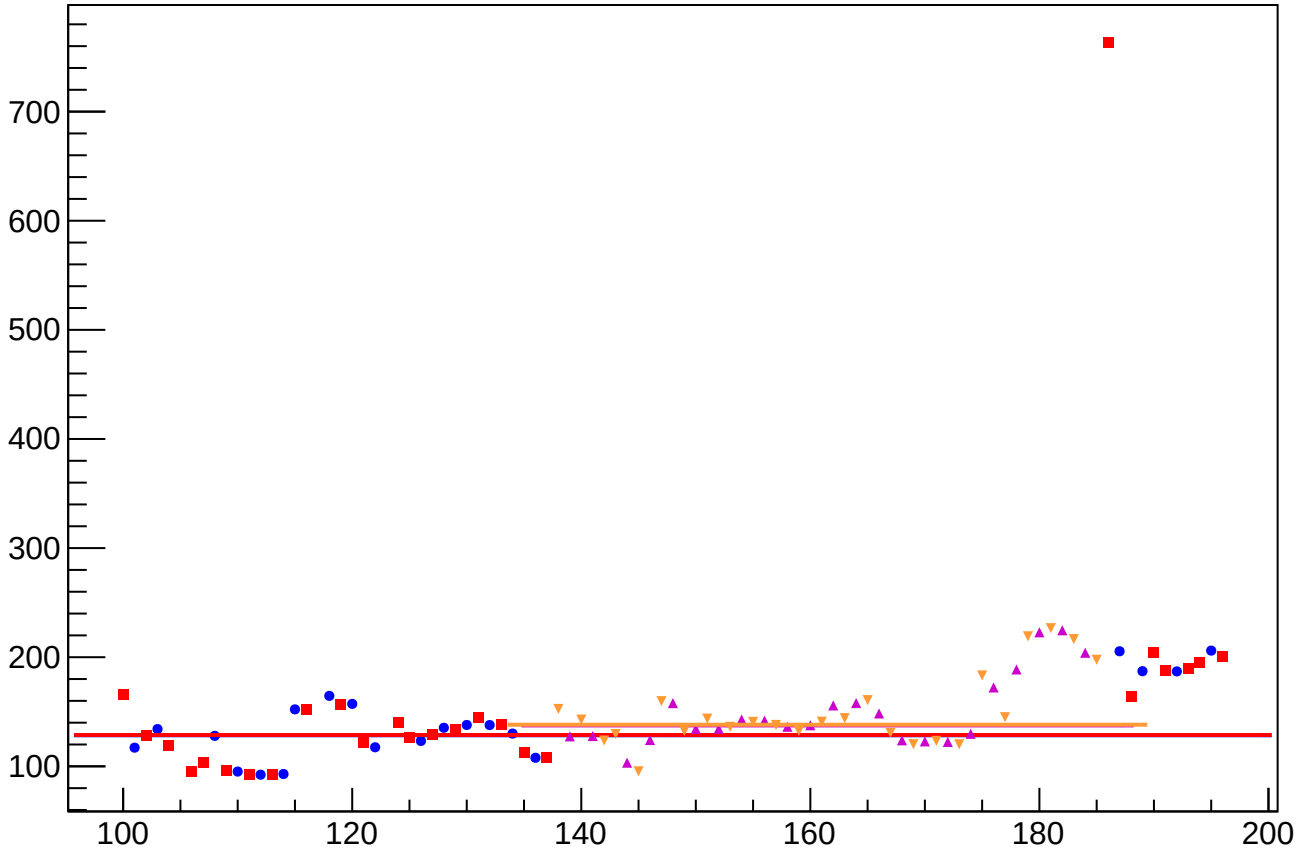
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.016+/-25.618 χ^2/NDF: 45.4/44

All: -12.268+/-17.962 χ^2/NDF: 236.7/93

- sign -219.455+/-25.191 χ^2/NDF: 53.7/48

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 128.460+/-0.030 χ^2/NDF: 1043780.8/19

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 128.704+/-0.028 χ^2/NDF: 1960492.7/25

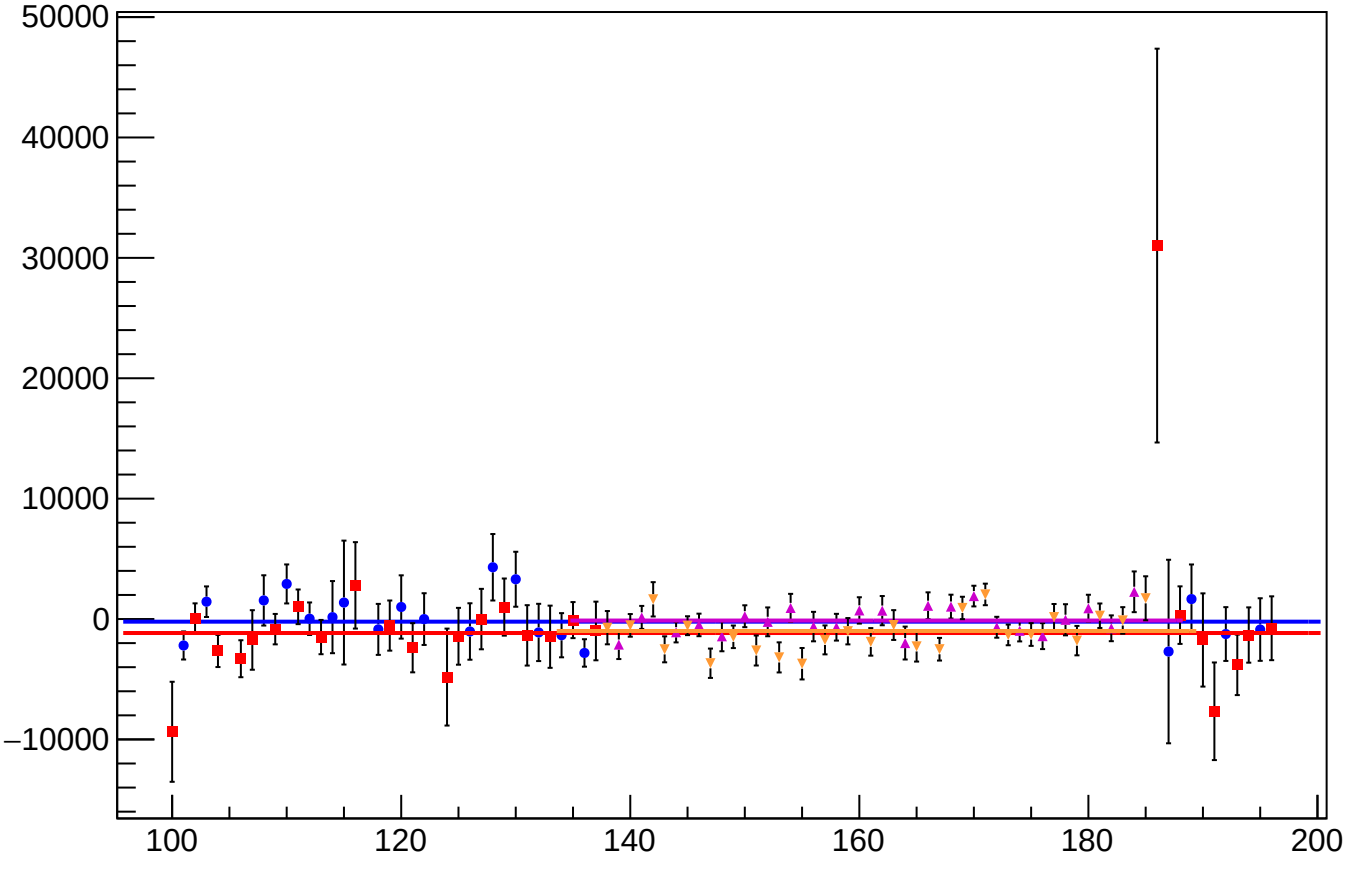
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 134.603+/-0.018 χ^2/NDF: 2448074.5/44

All: 134.224+/-0.013 χ^2/NDF: 5577767.7/93

- sign 133.858+/-0.018 χ^2/NDF: 3128833.6/48

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -218.678+/-427.024 χ^2/NDF: 21.2/19

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1160.800+/-398.141 χ^2/NDF: 22.6/25

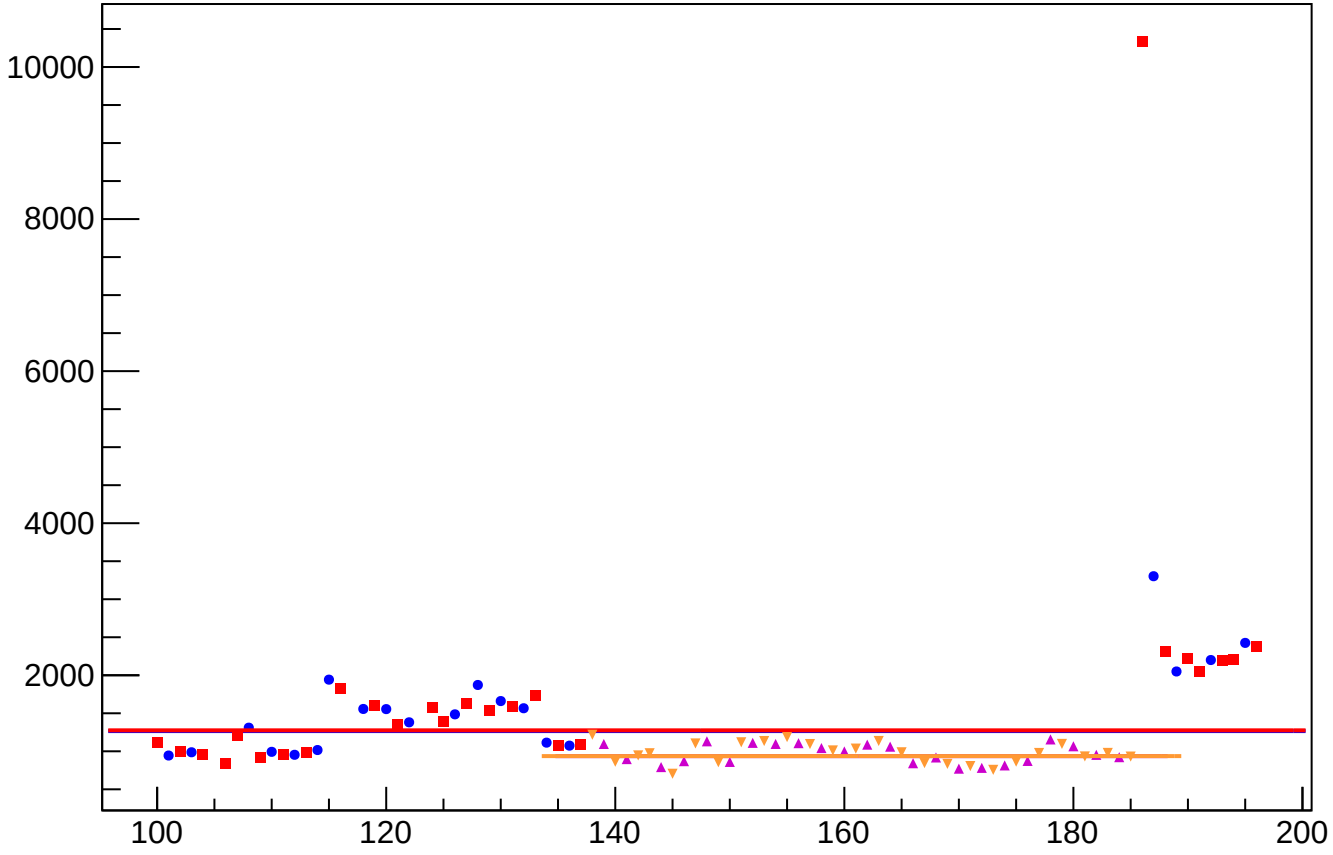
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -835.837+/-192.497 χ^2/NDF: 70.8/44

All: -603.837+/-136.460 χ^2/NDF: 125.3/93

- sign -369.481+/-193.473 χ^2/NDF: 51.6/48

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1265.891+/-0.302 χ^2/NDF: 1844817.2/19

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

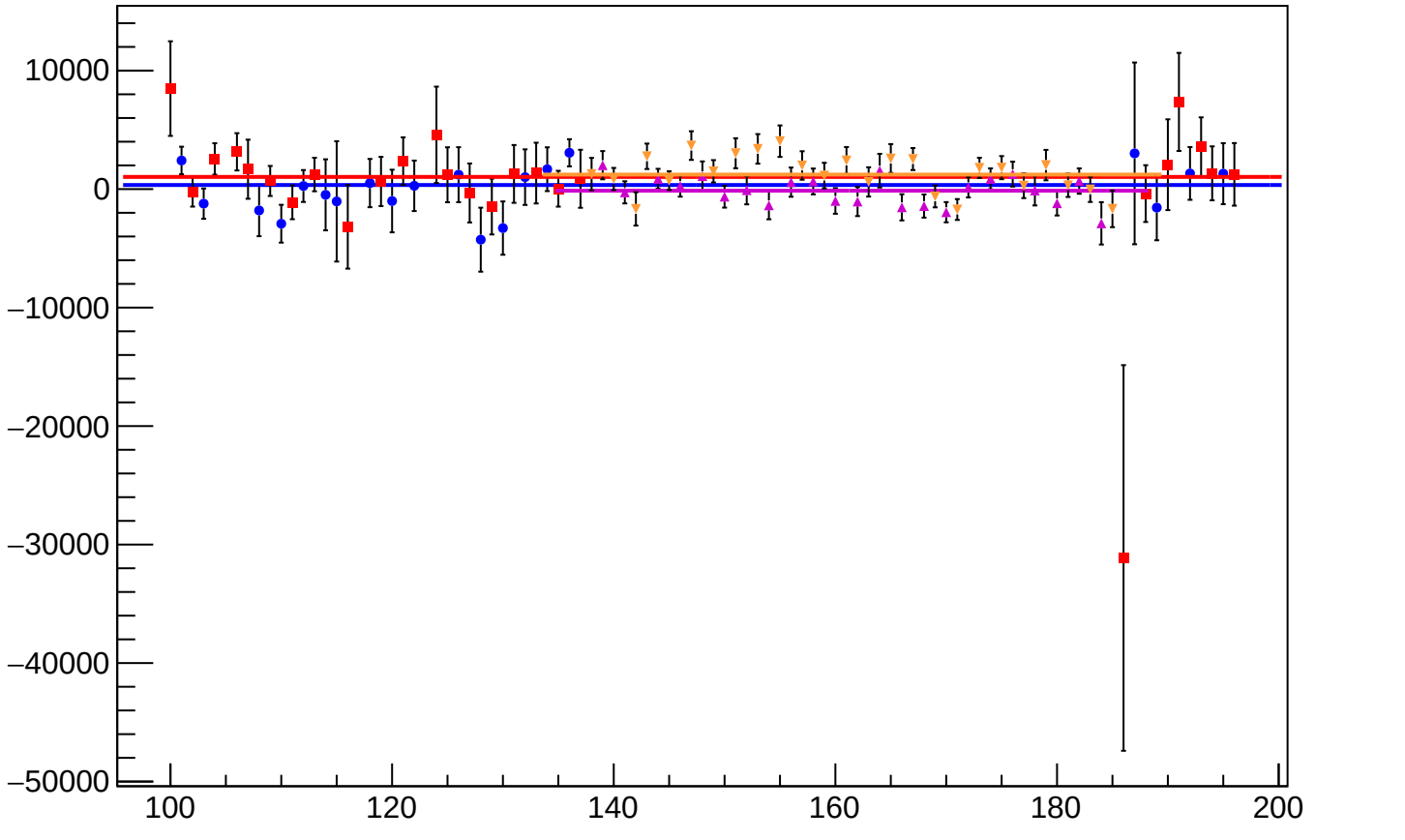
Right Out: 1275.590+/-0.282 χ^2/NDF: 3173804.9/25

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1003.629+/-0.136 χ^2/NDF: 3624057.7/44

All: 1010.022+/-0.096 χ^2/NDF: 8553987.4/93

- sign 1016.480+/-0.137 χ^2/NDF: 4925495.4/48



Right In: 344.347+/-425.582 χ^2/NDF: 23.1/19

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1028.539+/-397.571 χ^2/NDF: 22.3/25

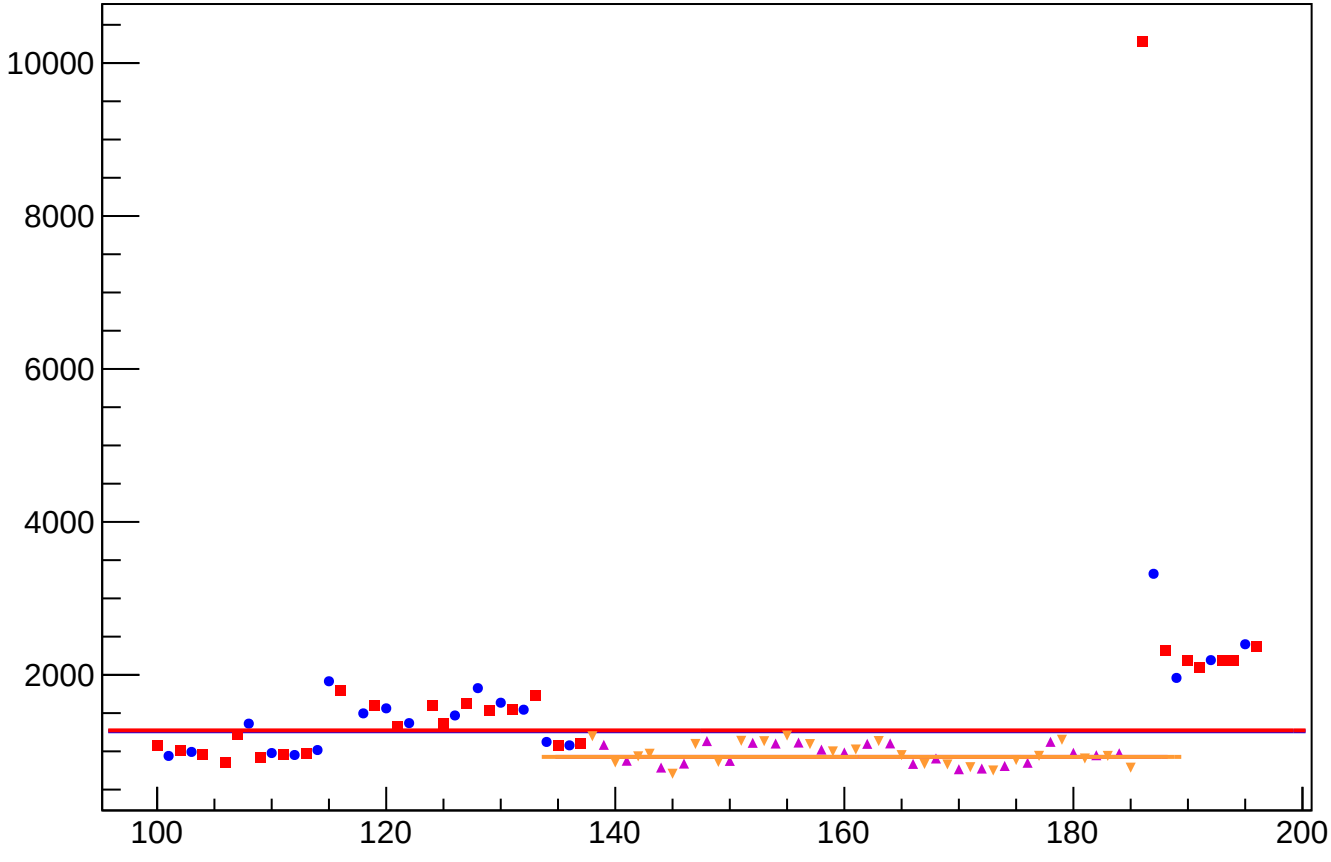
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1047.891+/-191.078 χ^2/NDF: 75.0/44

All: 595.185+/-135.441 χ^2/NDF: 141.0/93

- sign 138.053+/-192.010 χ^2/NDF: 54.7/48

asym_sam_48_dd_rms vs Slug



Right In: 1262.945+/-0.301 χ^2/NDF: 1783353.0/19

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

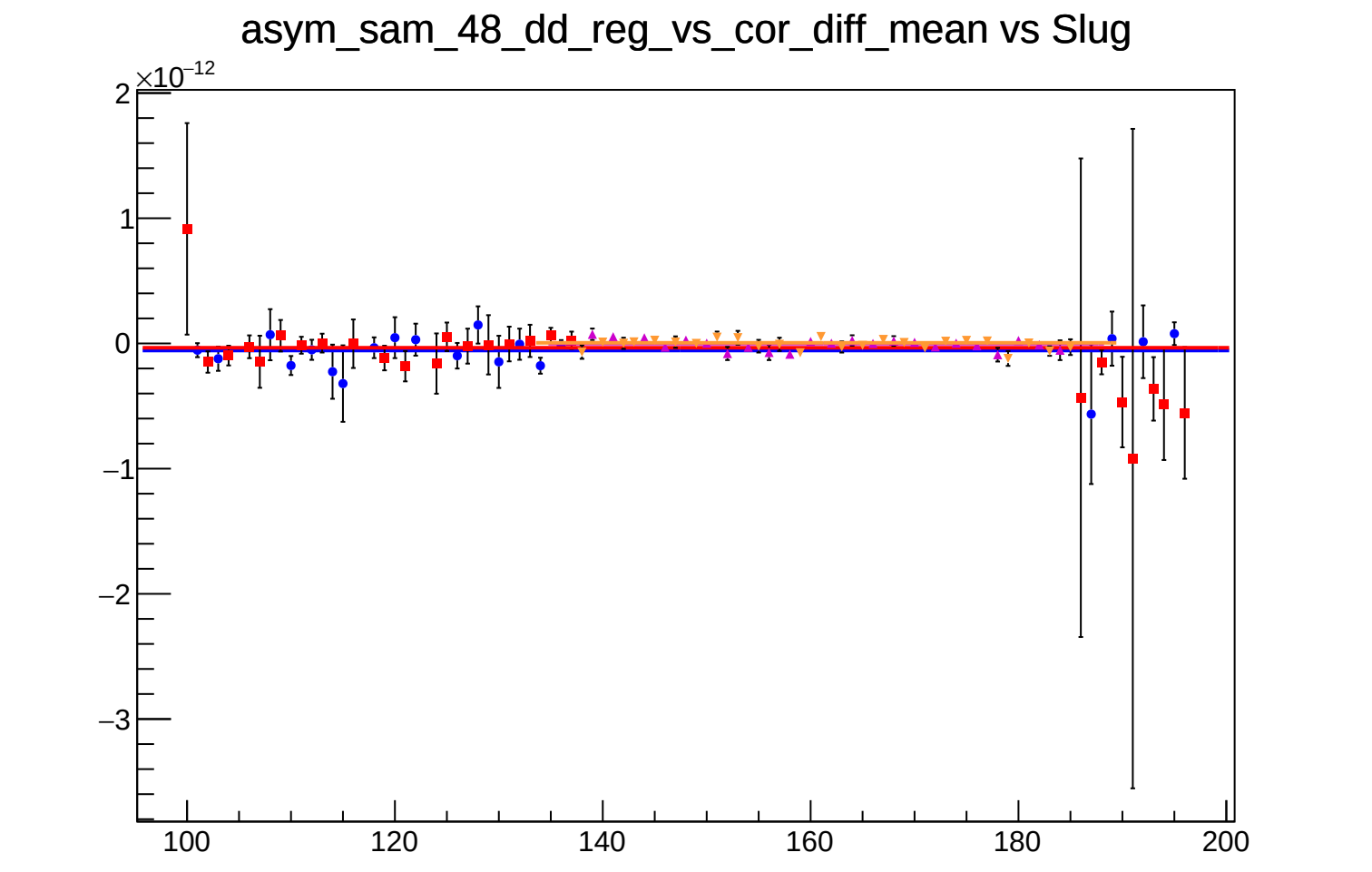
Right Out: 1273.855+/-0.281 χ^2/NDF: 3130824.2/25

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 995.208+/-0.135 χ^2/NDF: 3649890.6/44

All: 1001.647+/-0.096 χ^2/NDF: 8606879.7/93

- sign 1008.149+/-0.136 χ^2/NDF: 4952424.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

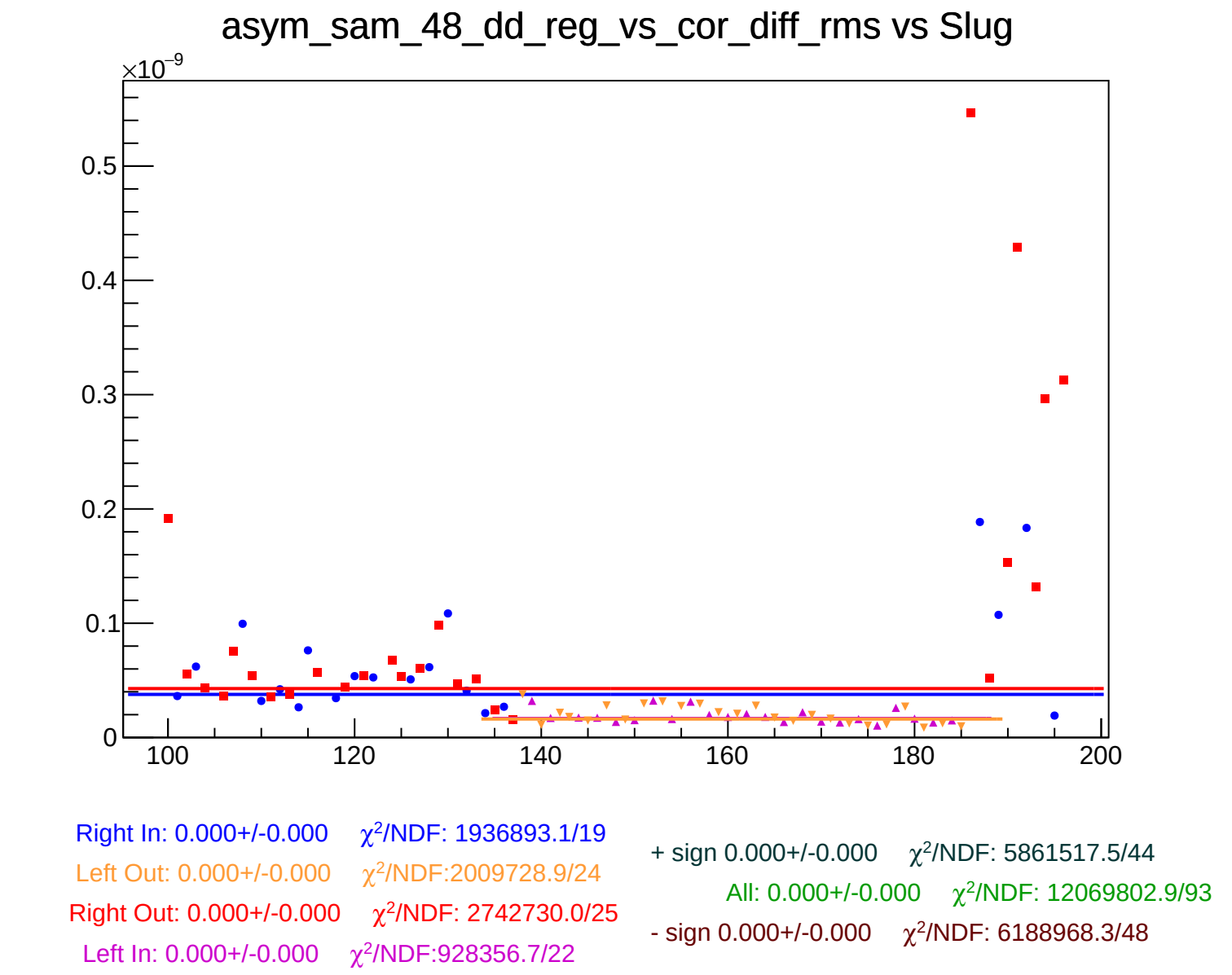
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/25

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

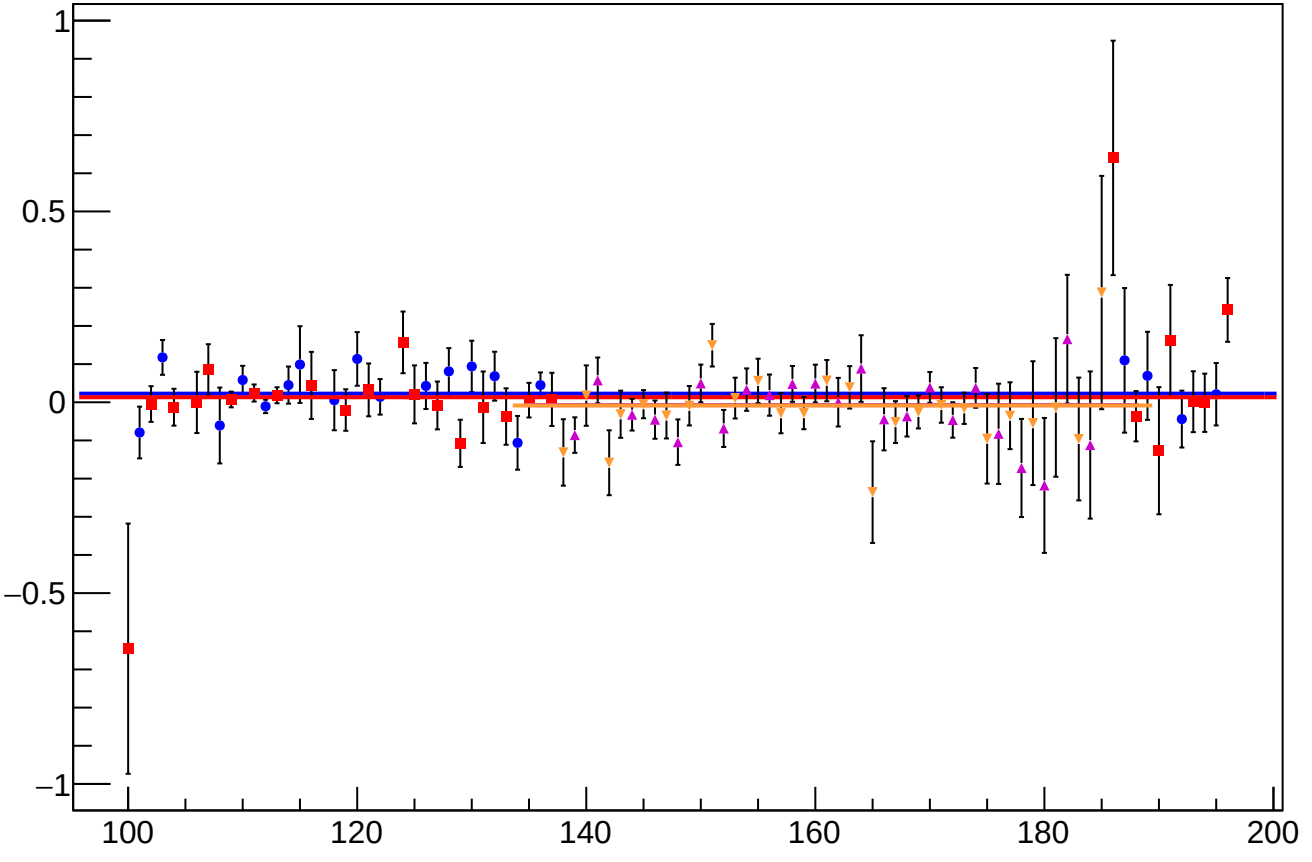
+ sign -0.000+/-0.000 χ^2/NDF: 49.1/44

All: -0.000+/-0.000 χ^2/NDF: 97.5/93

- sign -0.000+/-0.000 χ^2/NDF: 48.2/48


asym_sam_48_dd_reg_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: 1936893.1/19
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 2742730.0/25
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
+ sign 0.000+/-0.000 χ²/NDF: 5861517.5/44
All: 0.000+/-0.000 χ²/NDF: 12069802.9/93
- sign 0.000+/-0.000 χ²/NDF: 6188968.3/48

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

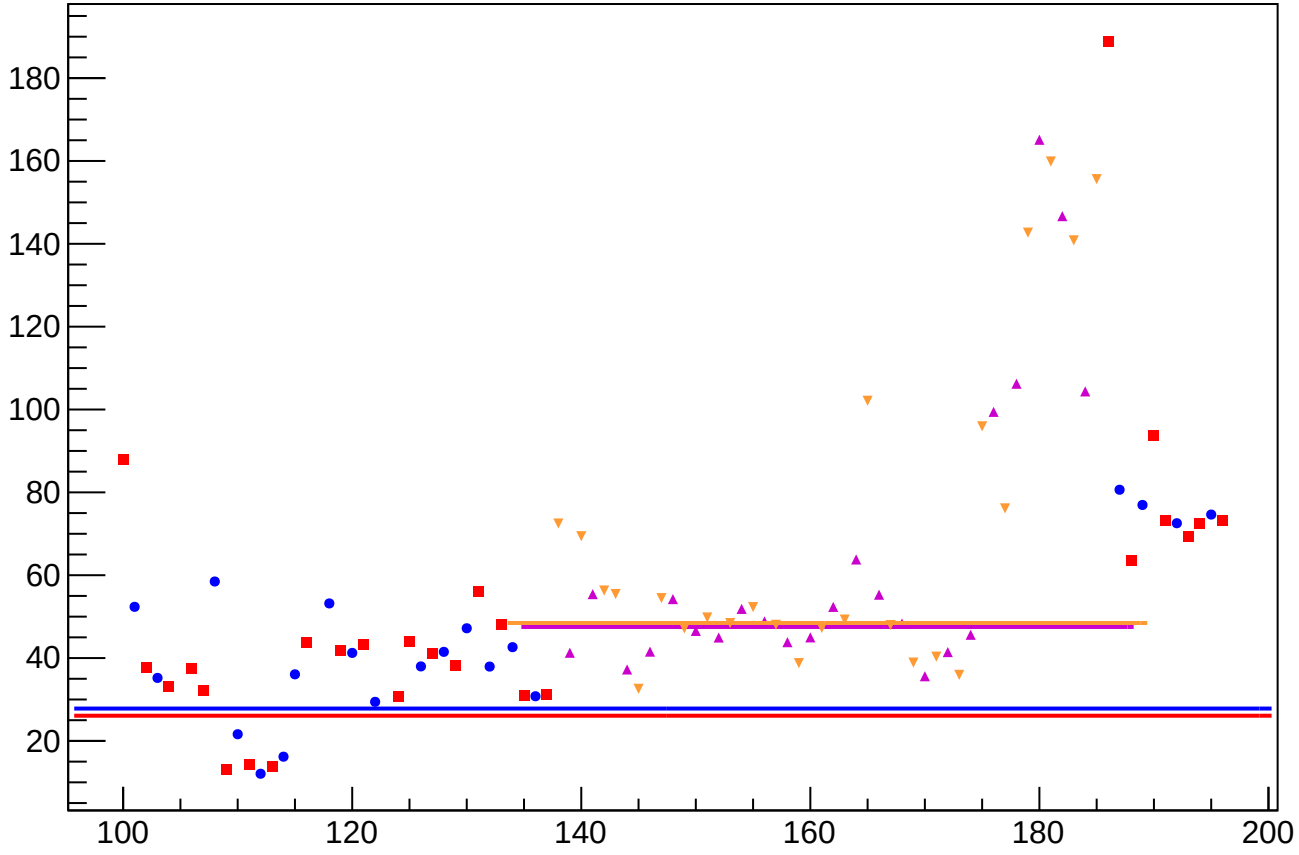
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.007+/-0.005 χ^2/NDF: 102.3/93

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.812+/-0.008 χ^2/NDF: 4921189.2/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.083+/-0.007 χ^2/NDF: 7110543.3/25

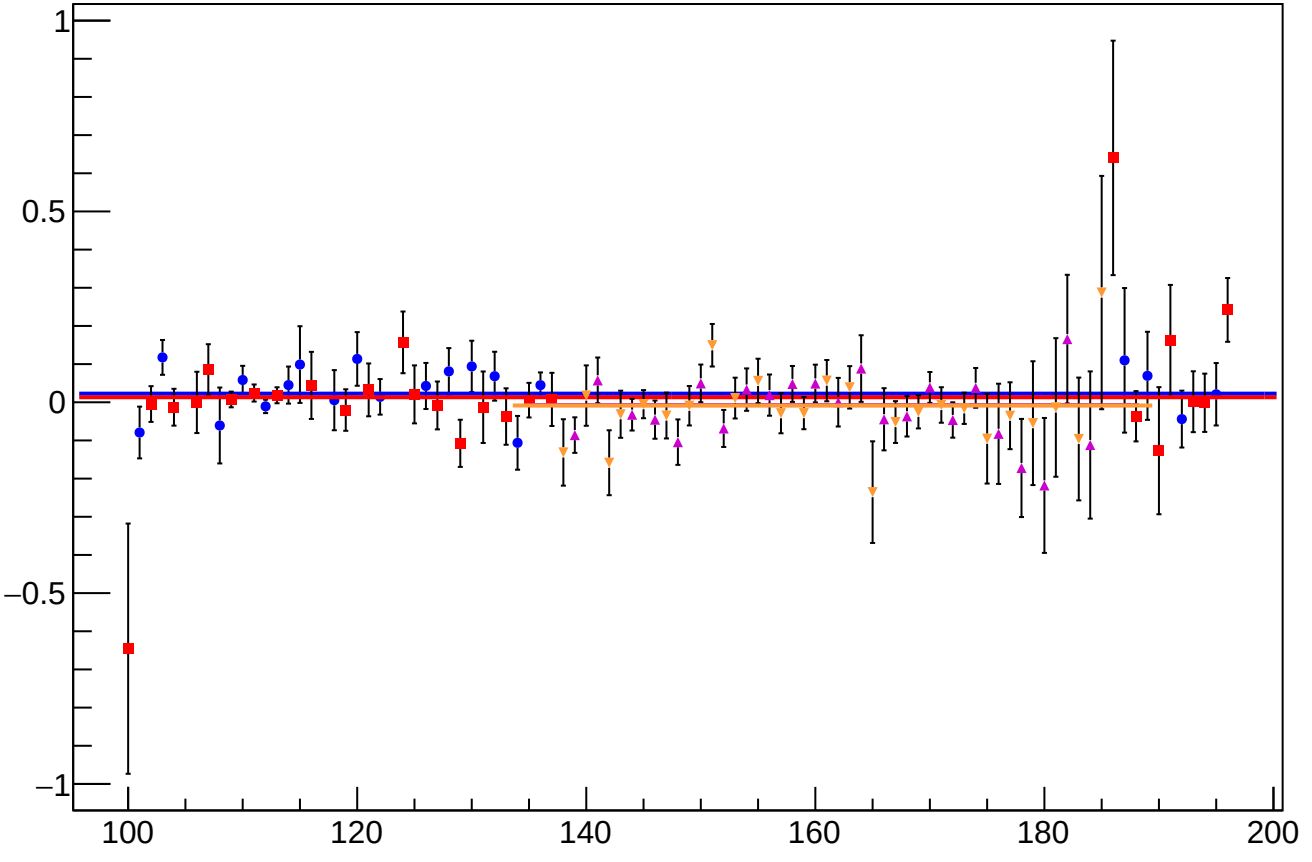
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.039+/-0.006 χ^2/NDF: 12571378.9/44

All: 35.539+/-0.004 χ^2/NDF: 26808890.6/93

- sign 34.253+/-0.005 χ^2/NDF: 14107743.4/48

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

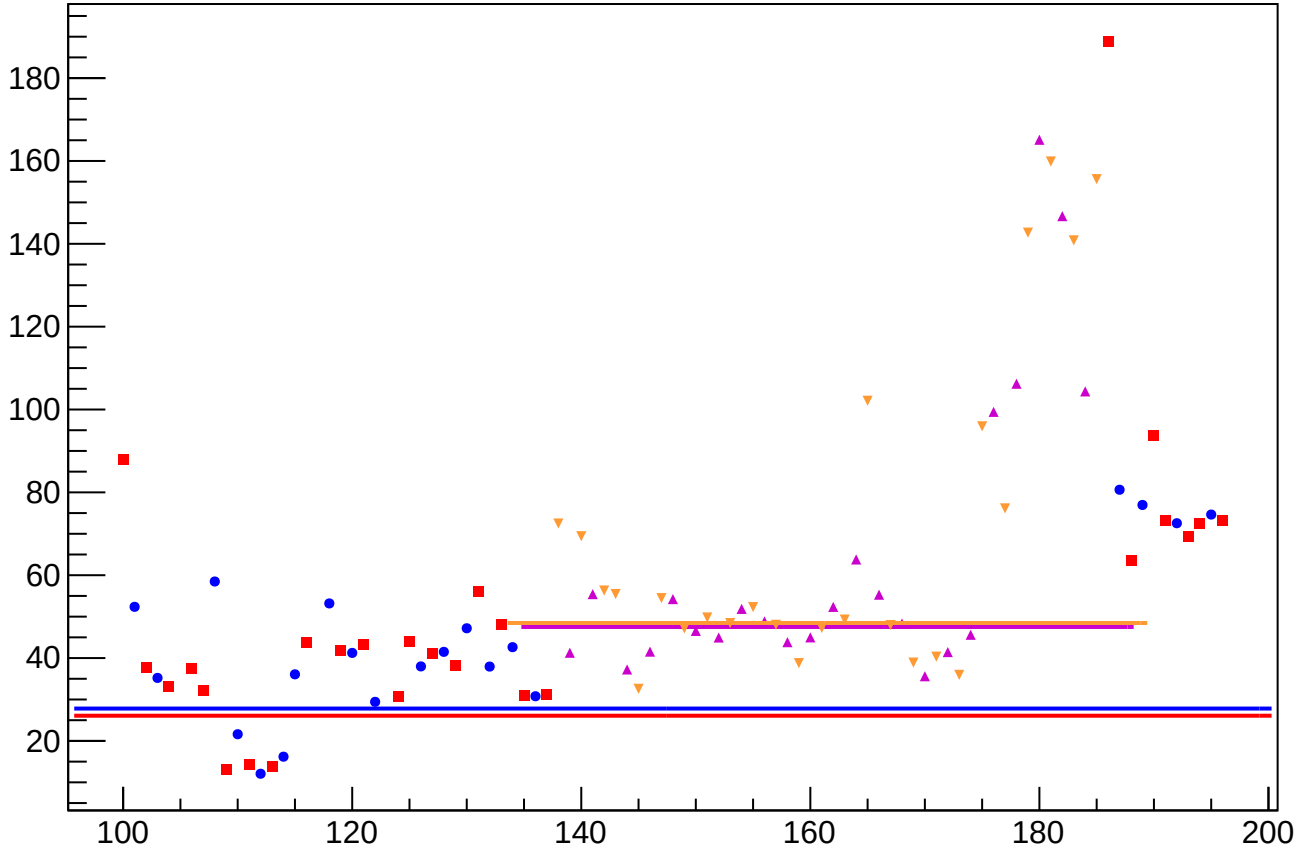
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.007+/-0.005 χ^2/NDF: 102.3/93

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.812+/-0.008 χ^2/NDF: 4921189.2/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

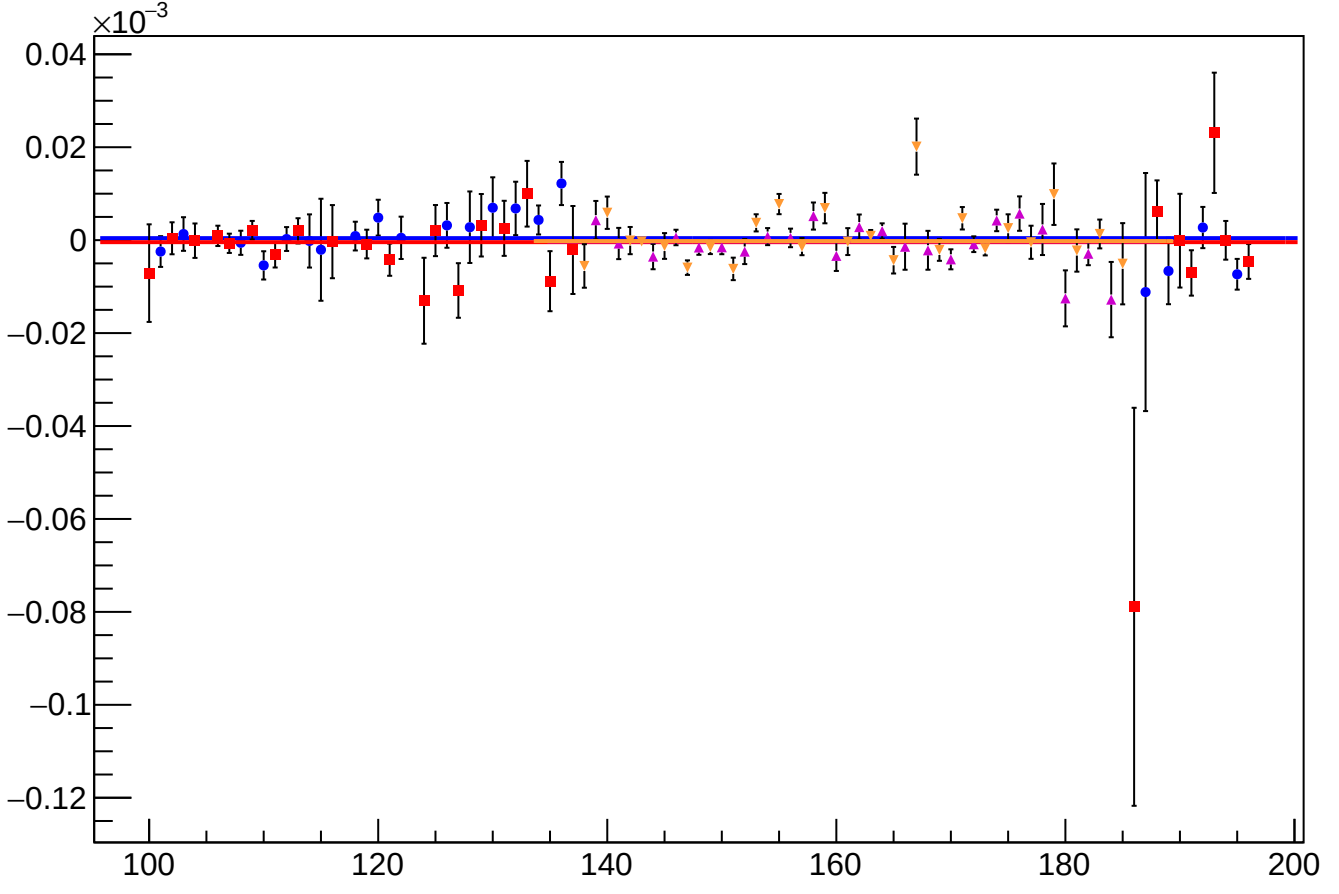
Right Out: 26.083+/-0.007 χ^2/NDF: 7110543.3/25

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.039+/-0.006 χ^2/NDF: 12571378.9/44

All: 35.539+/-0.004 χ^2/NDF: 26808890.6/93

- sign 34.253+/-0.005 χ^2/NDF: 14107743.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

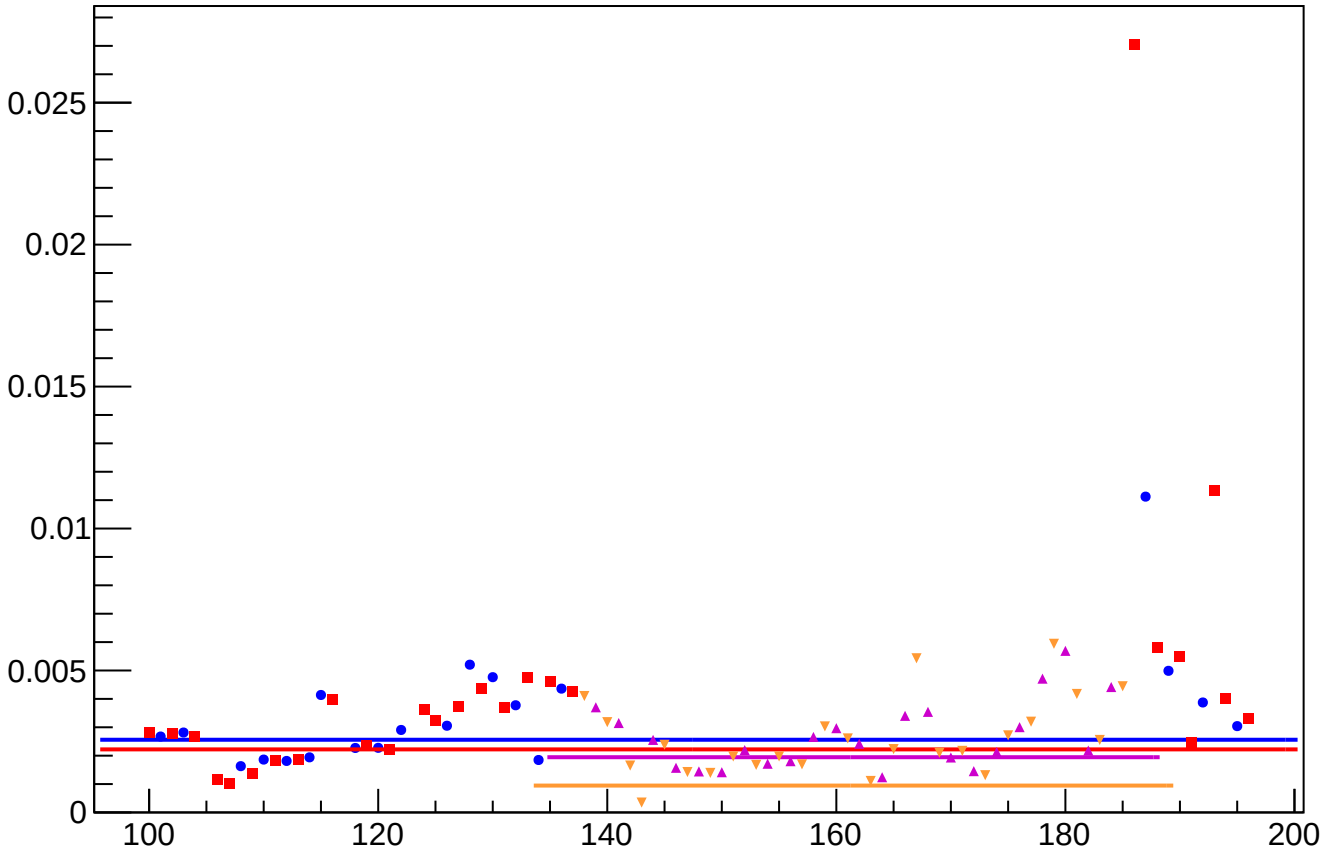
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/25

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 95.8/44

All: -0.000+/-0.000 χ^2/NDF: 152.8/93

- sign -0.000+/-0.000 χ^2/NDF: 56.9/48



Right In: 0.003+/-0.000 χ^2/NDF: 2296781.4/19

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

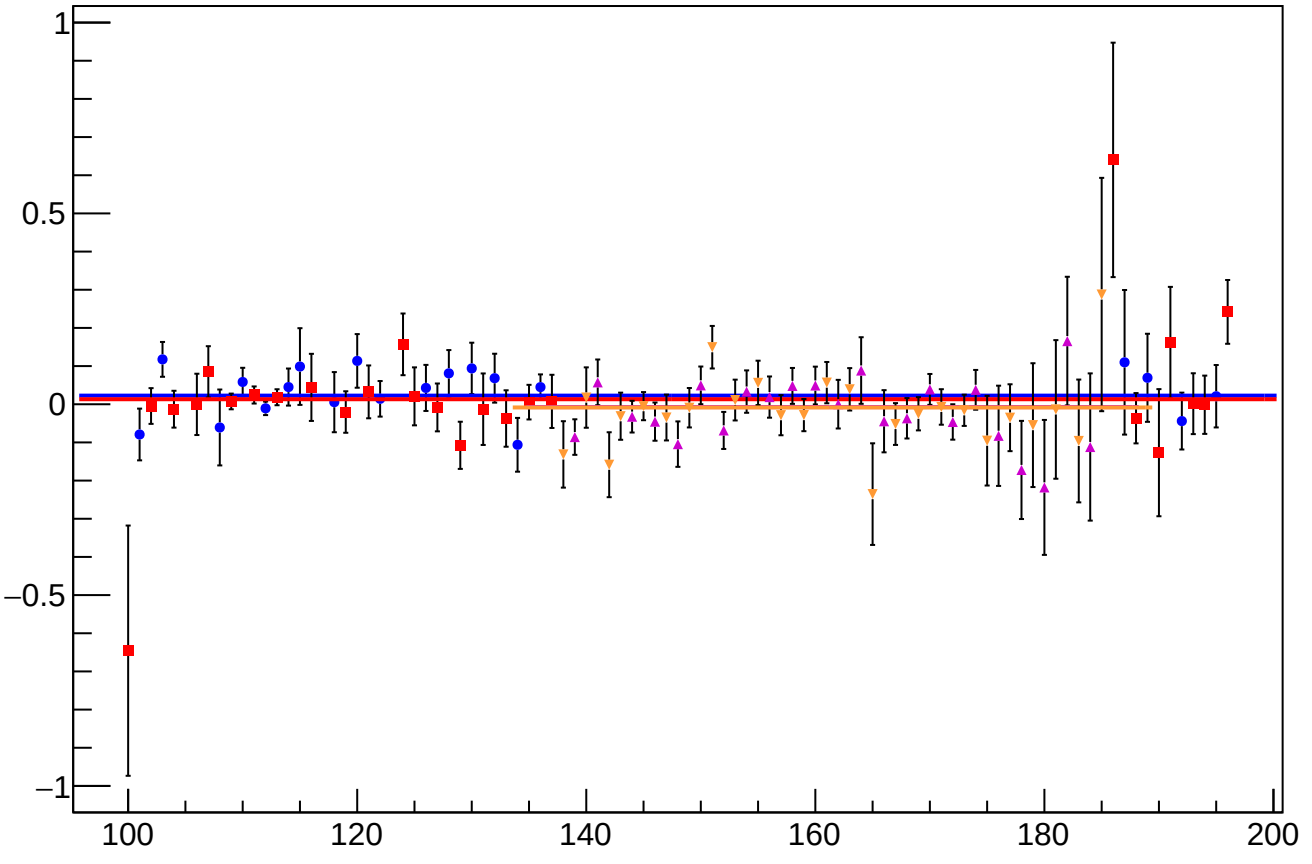
Right Out: 0.002+/-0.000 χ^2/NDF: 5947708.8/25

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 25798662.5/44

All: 0.001+/-0.000 χ^2/NDF: 42878156.3/93

- sign 0.002+/-0.000 χ^2/NDF: 10493575.4/48



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

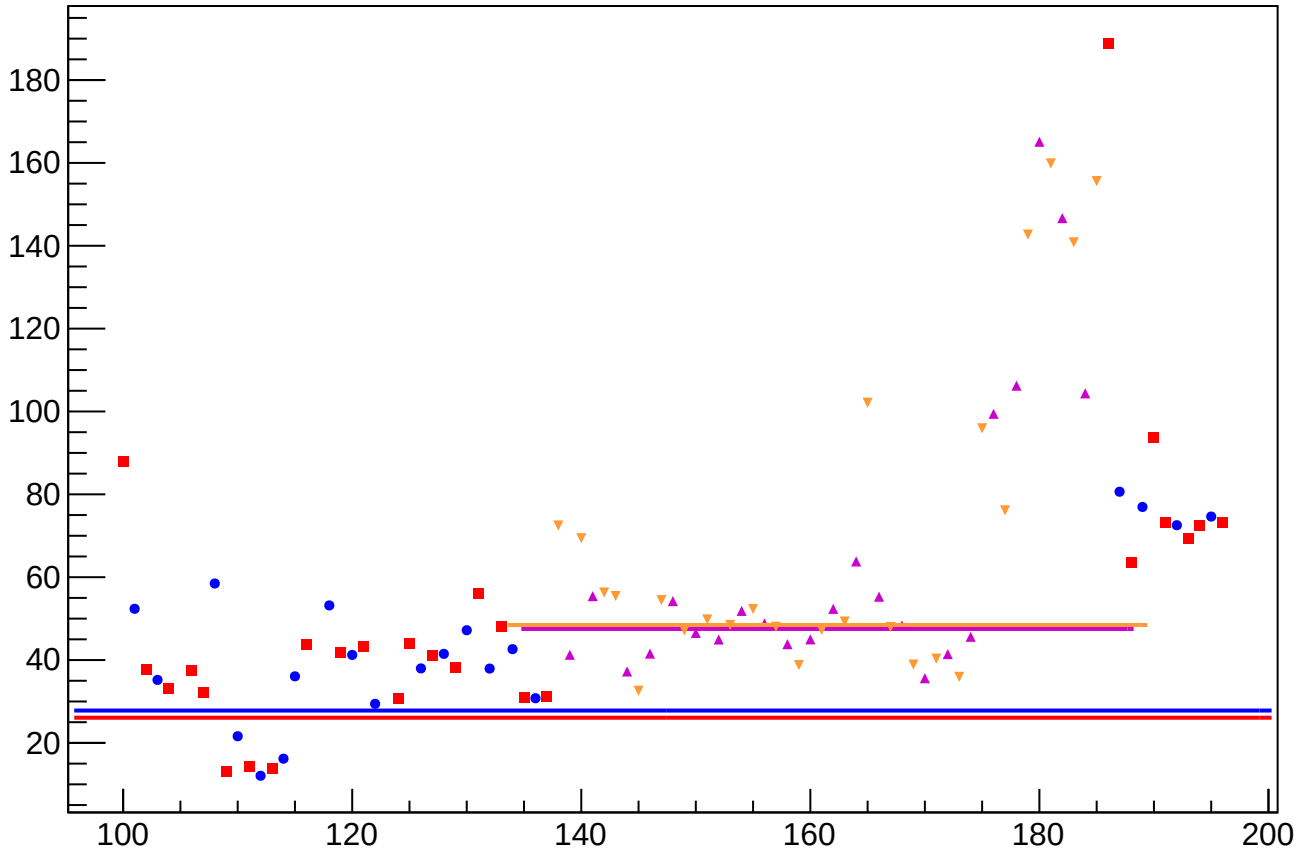
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.007+/-0.005 χ^2/NDF: 102.3/93

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

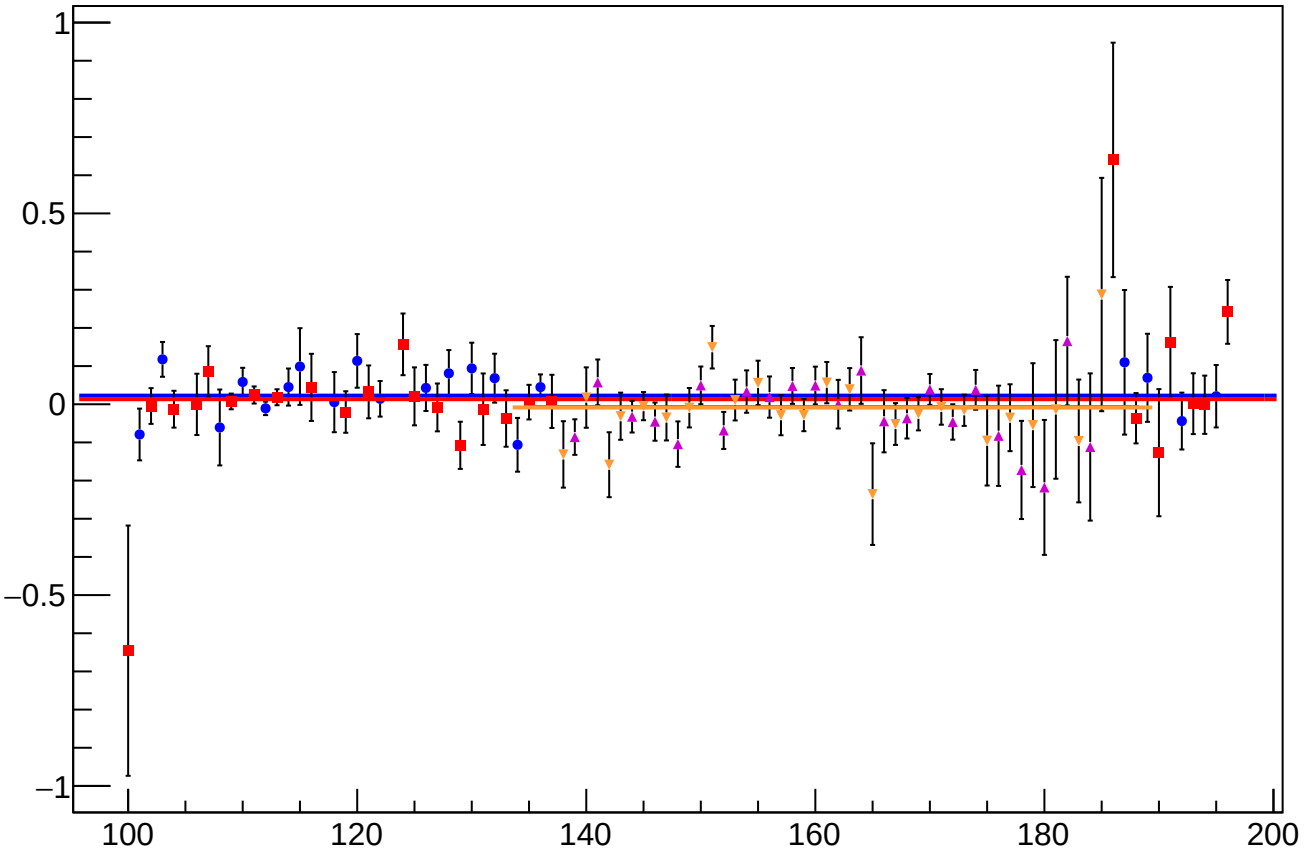
Right Out: 26.082+/-0.007 χ^2/NDF: 7110731.6/25

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.038+/-0.006 χ^2/NDF: 12572450.5/44

All: 35.538+/-0.004 χ^2/NDF: 26810256.2/93

- sign 34.253+/-0.005 χ^2/NDF: 14108106.5/48



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

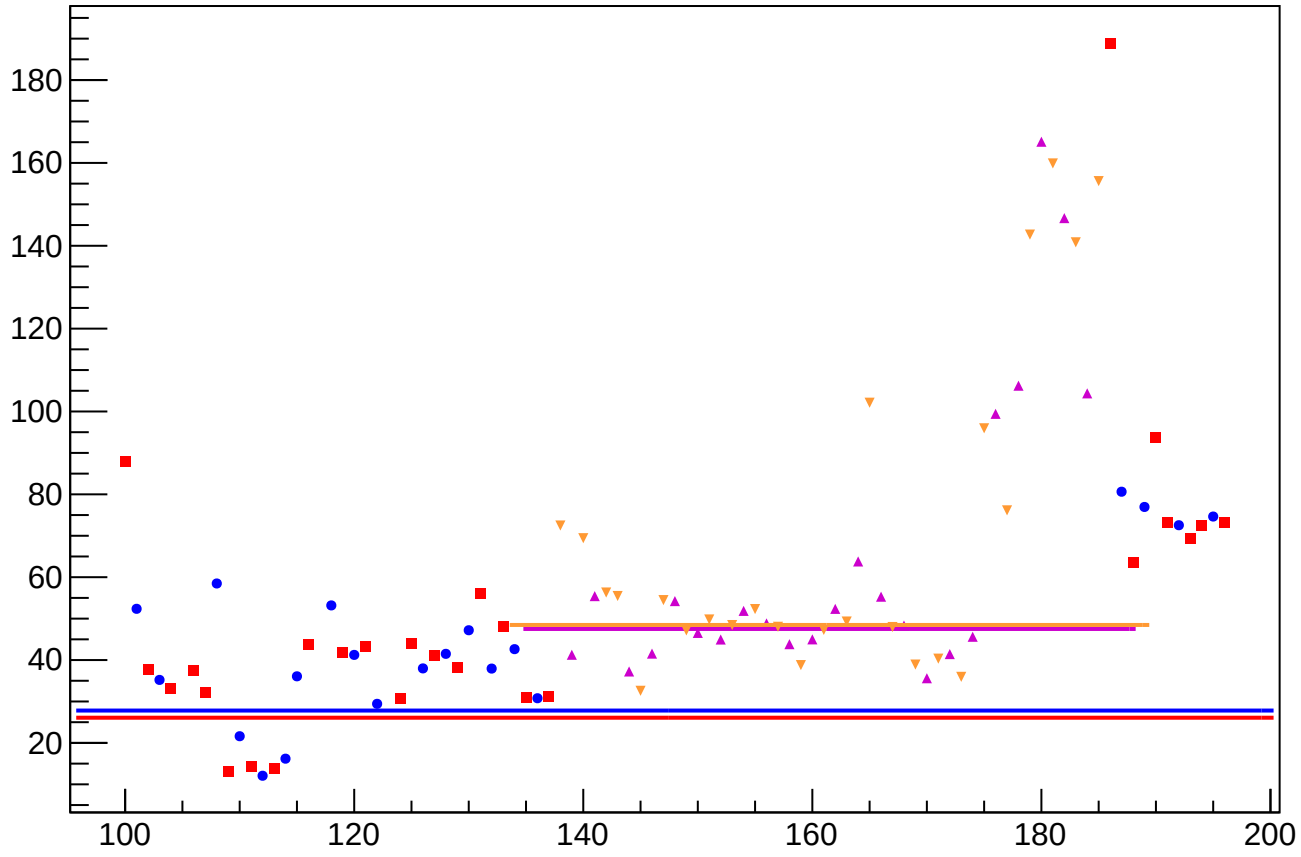
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.007+/-0.005 χ^2/NDF: 102.3/93

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

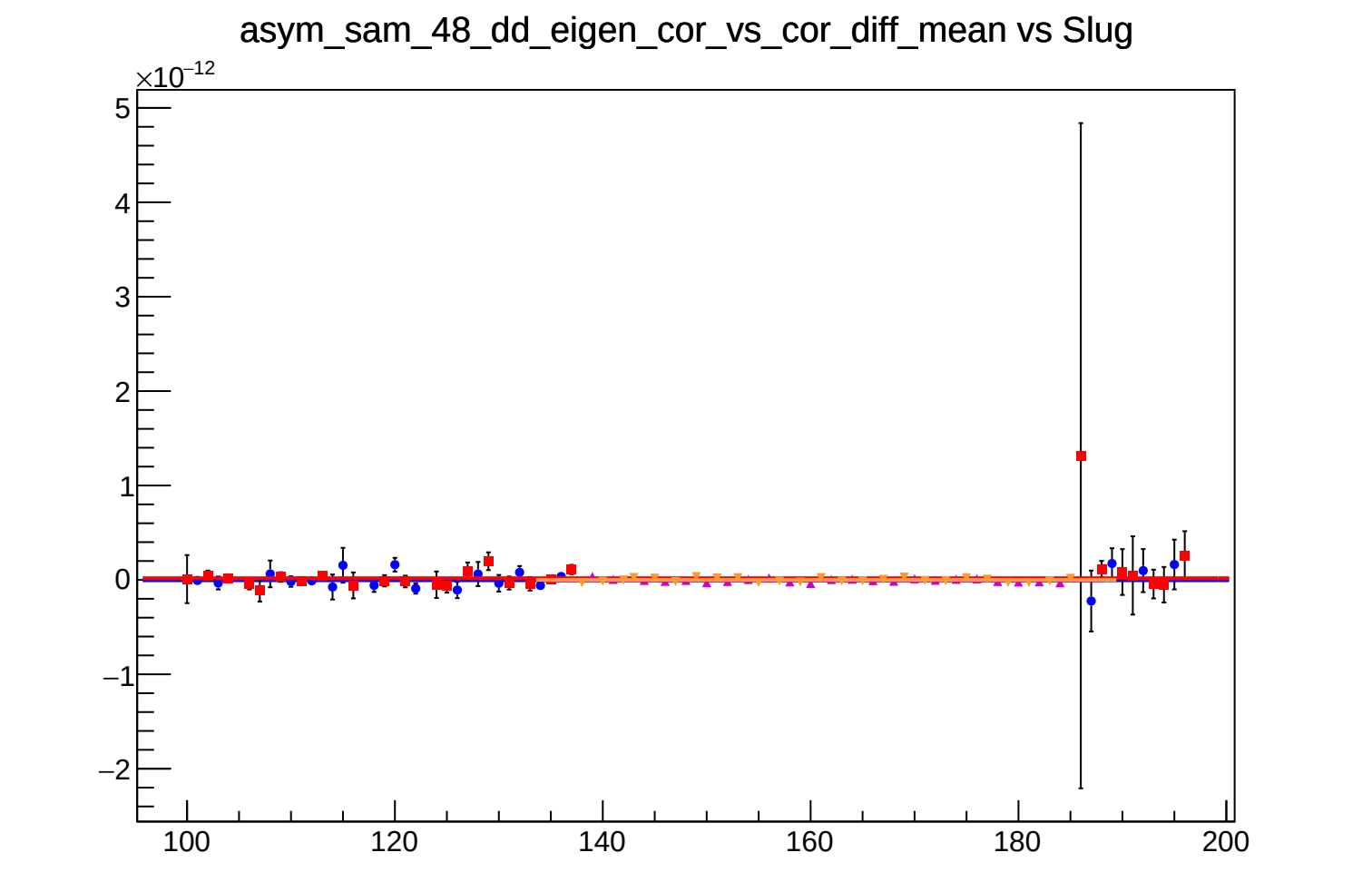
Right Out: 26.082+/-0.007 χ^2/NDF: 7110731.6/25

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.038+/-0.006 χ^2/NDF: 12572450.5/44

All: 35.538+/-0.004 χ^2/NDF: 26810256.2/93

- sign 34.253+/-0.005 χ^2/NDF: 14108106.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

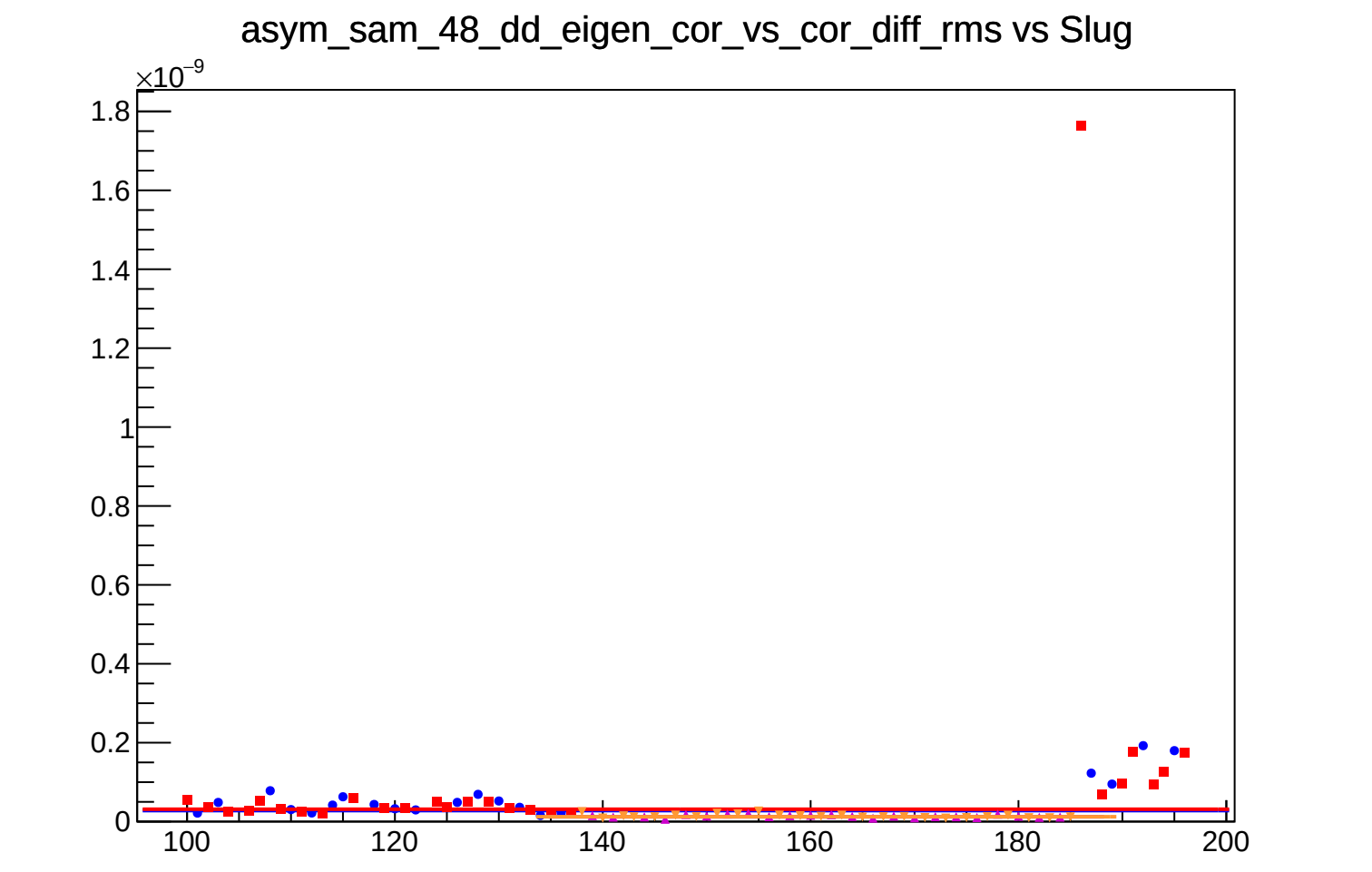
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/25

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

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/44

All: -0.000+/-0.000 χ^2/NDF: 92.9/93

- sign -0.000+/-0.000 χ^2/NDF: 39.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3938218.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3686505.6/25

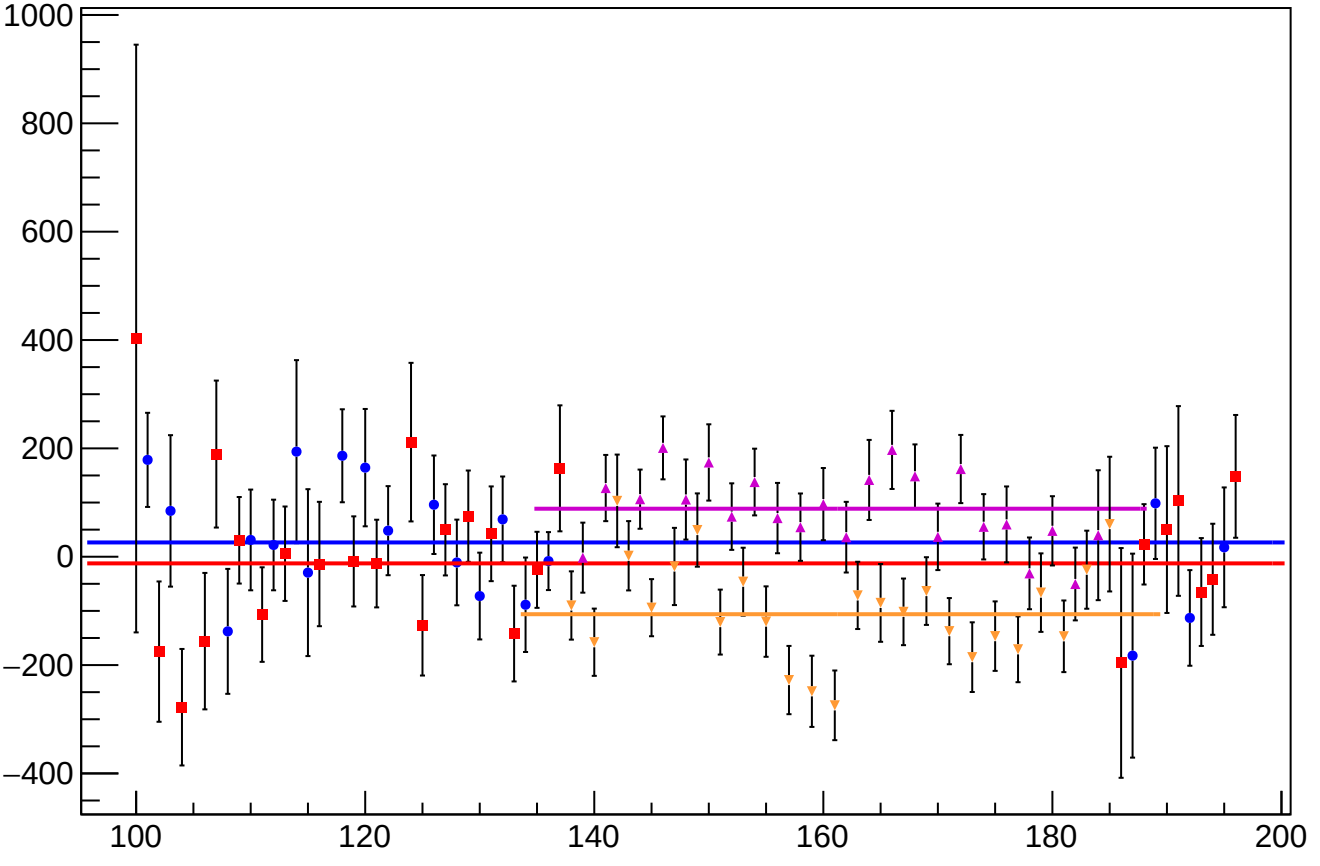
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8723712.7/44

All: 0.000+/-0.000 χ^2/NDF: 18349544.7/93

- sign 0.000+/-0.000 χ^2/NDF: 9622562.4/48

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 26.360+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.282+/-19.636 χ^2/NDF: 27.5/25

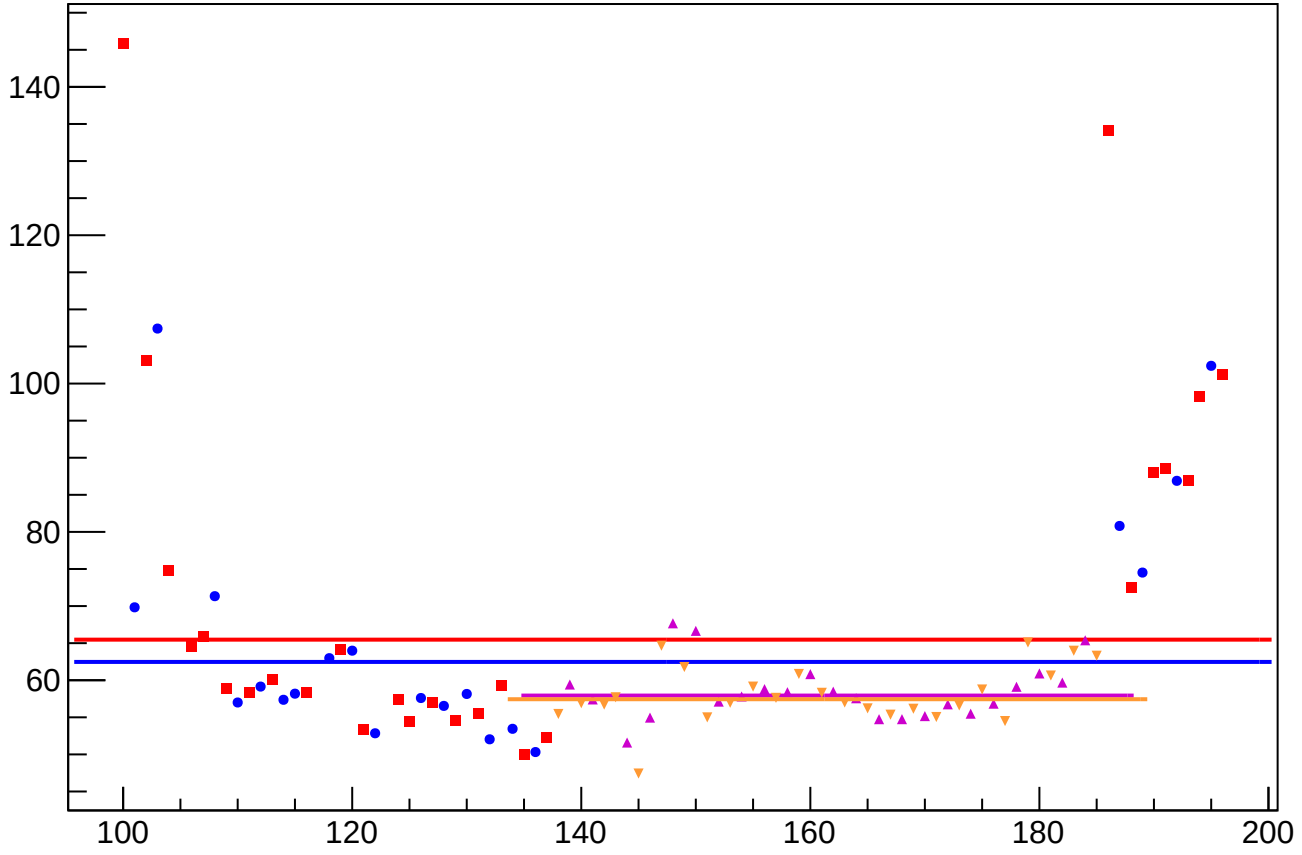
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

\+ sign -67.799+/-11.036 χ^2/NDF: 90.9/44

All: -6.592+/-7.848 χ^2/NDF: 222.4/93

\- sign 56.019+/-11.161 χ^2/NDF: 69.3/48

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 62.469+/-0.015 χ^2/NDF: 916576.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

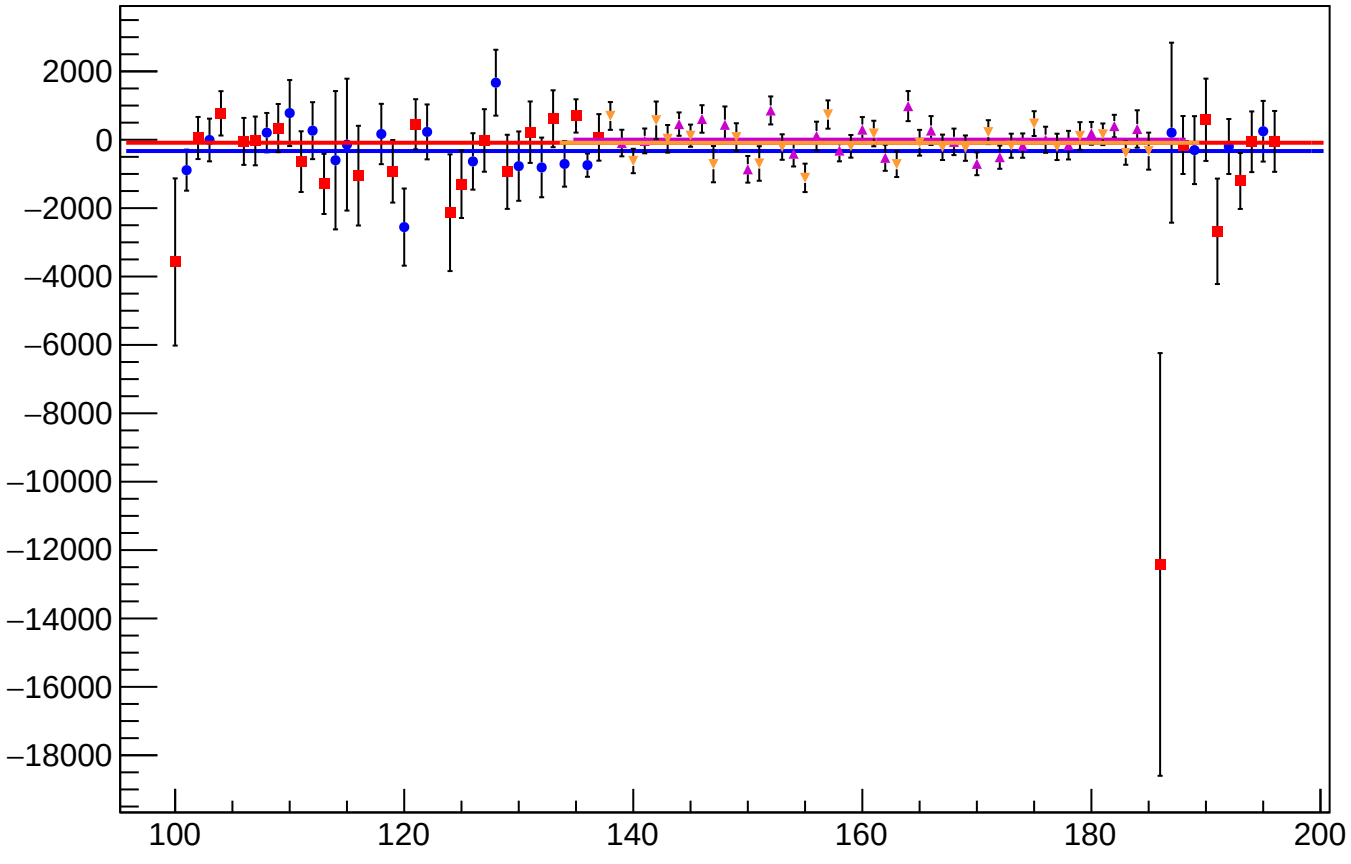
Right Out: 65.473+/-0.014 χ^2/NDF: 1364717.7/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176508.1/44

All: 59.623+/-0.006 χ^2/NDF: 2894376.2/93

- sign 60.369+/-0.008 χ^2/NDF: 1700222.5/48



Right In: -329.998+/-169.923 χ^2/NDF: 15.8/19

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -87.345+/-165.783 χ^2/NDF: 24.3/25

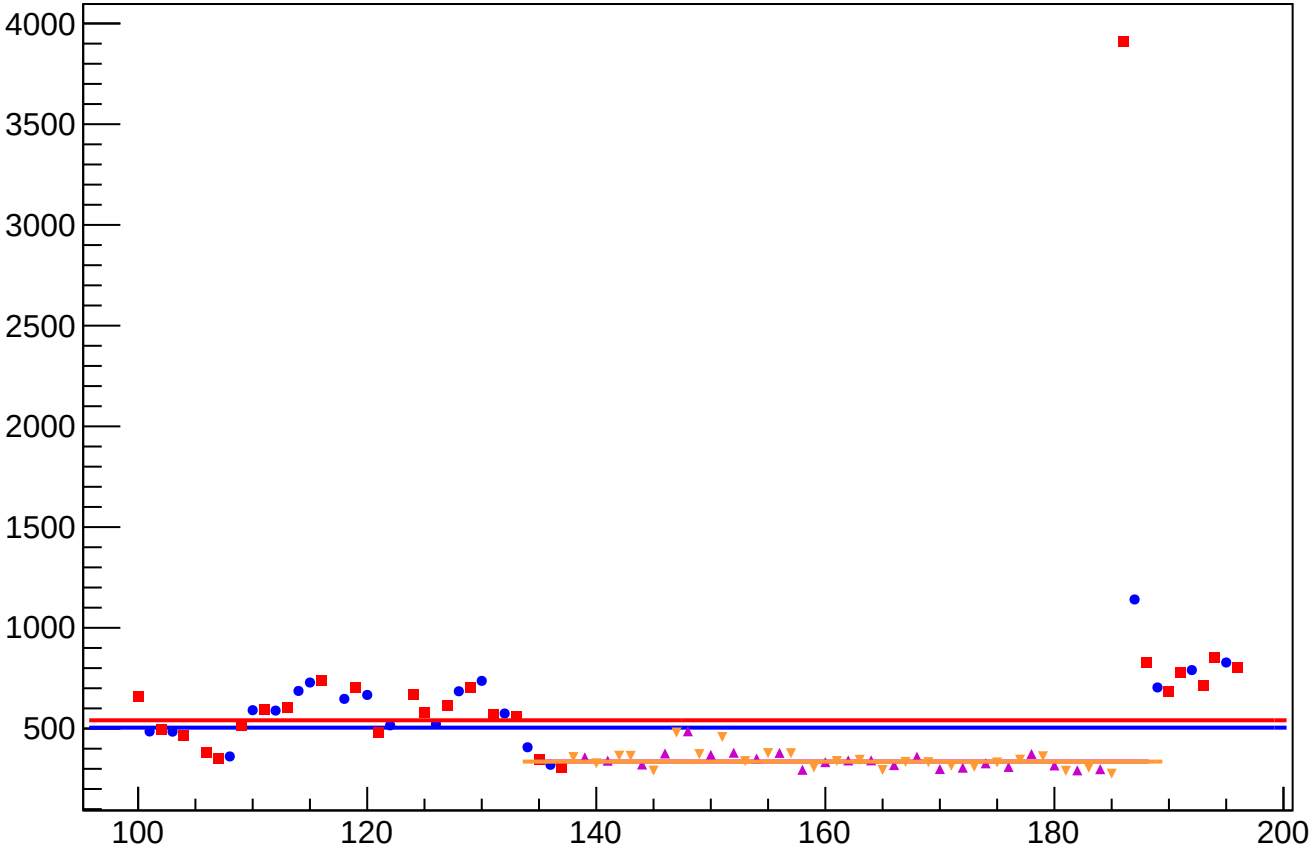
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -130.115+/-70.143 χ^2/NDF: 47.3/44

All: -73.012+/-50.057 χ^2/NDF: 106.8/93

- sign -13.748+/-71.459 χ^2/NDF: 58.1/48

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 504.469+/-0.120 χ^2/NDF: 1831860.9/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 541.014+/-0.117 χ^2/NDF: 2469099.1/25

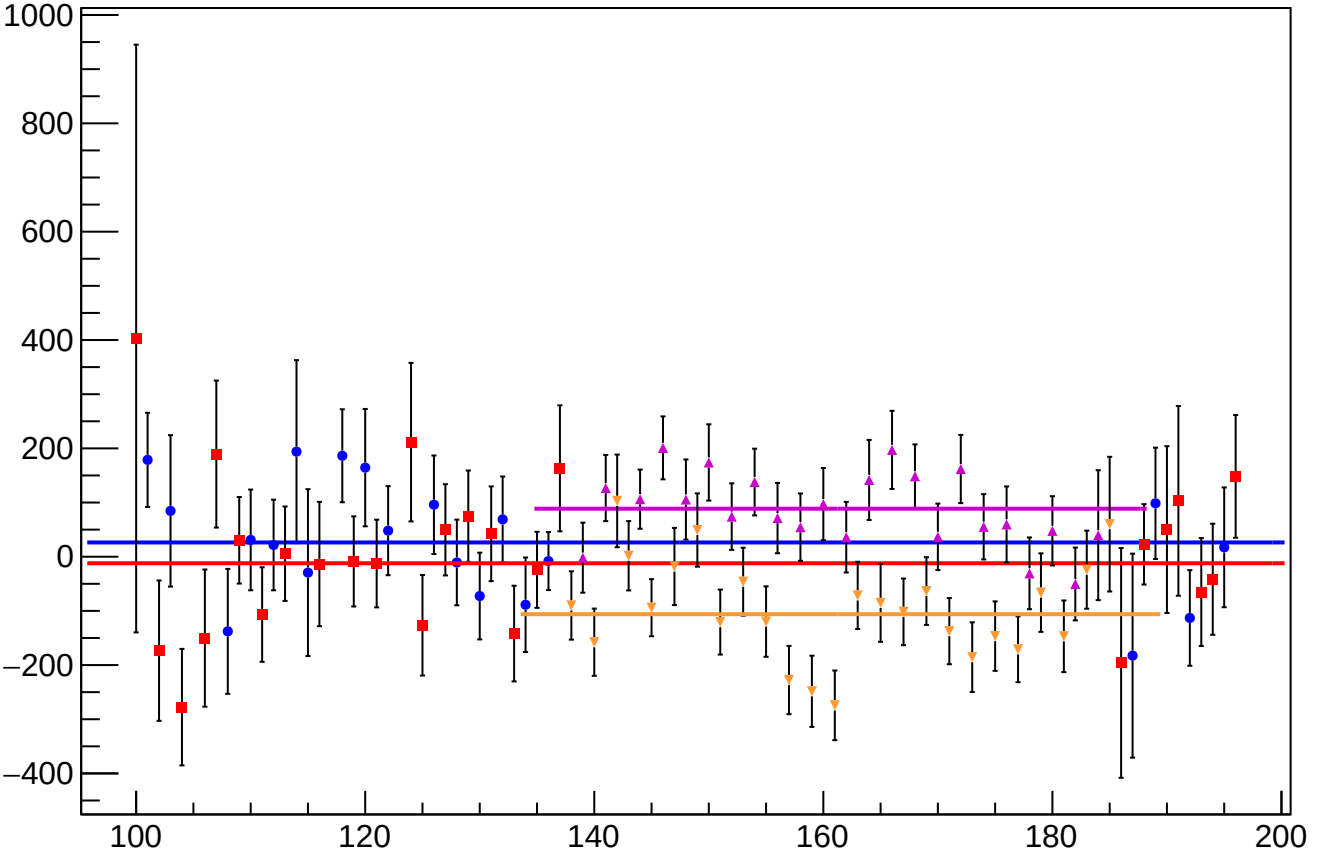
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 364.619+/-0.050 χ^2/NDF: 3998670.8/44

All: 369.404+/-0.035 χ^2/NDF: 9382914.7/93

- sign 374.370+/-0.051 χ^2/NDF: 5365280.6/48

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 26.358+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.062+/-19.639 χ^2/NDF: 27.4/25

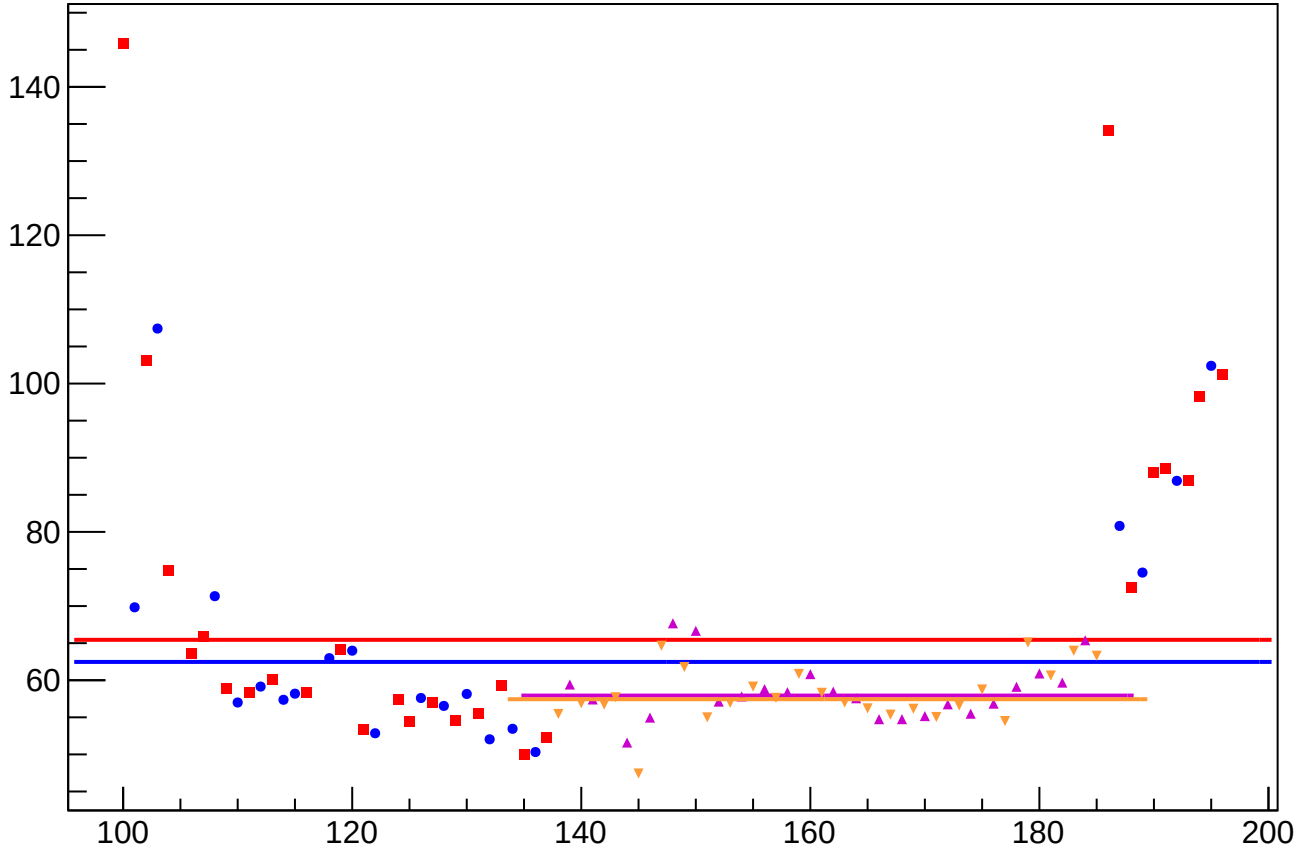
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.800+/-11.036 χ^2/NDF: 90.9/44

All: -6.556+/-7.848 χ^2/NDF: 222.2/93

- sign 56.098+/-11.162 χ^2/NDF: 69.1/48

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 62.469+/-0.015 χ^2/NDF: 916578.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

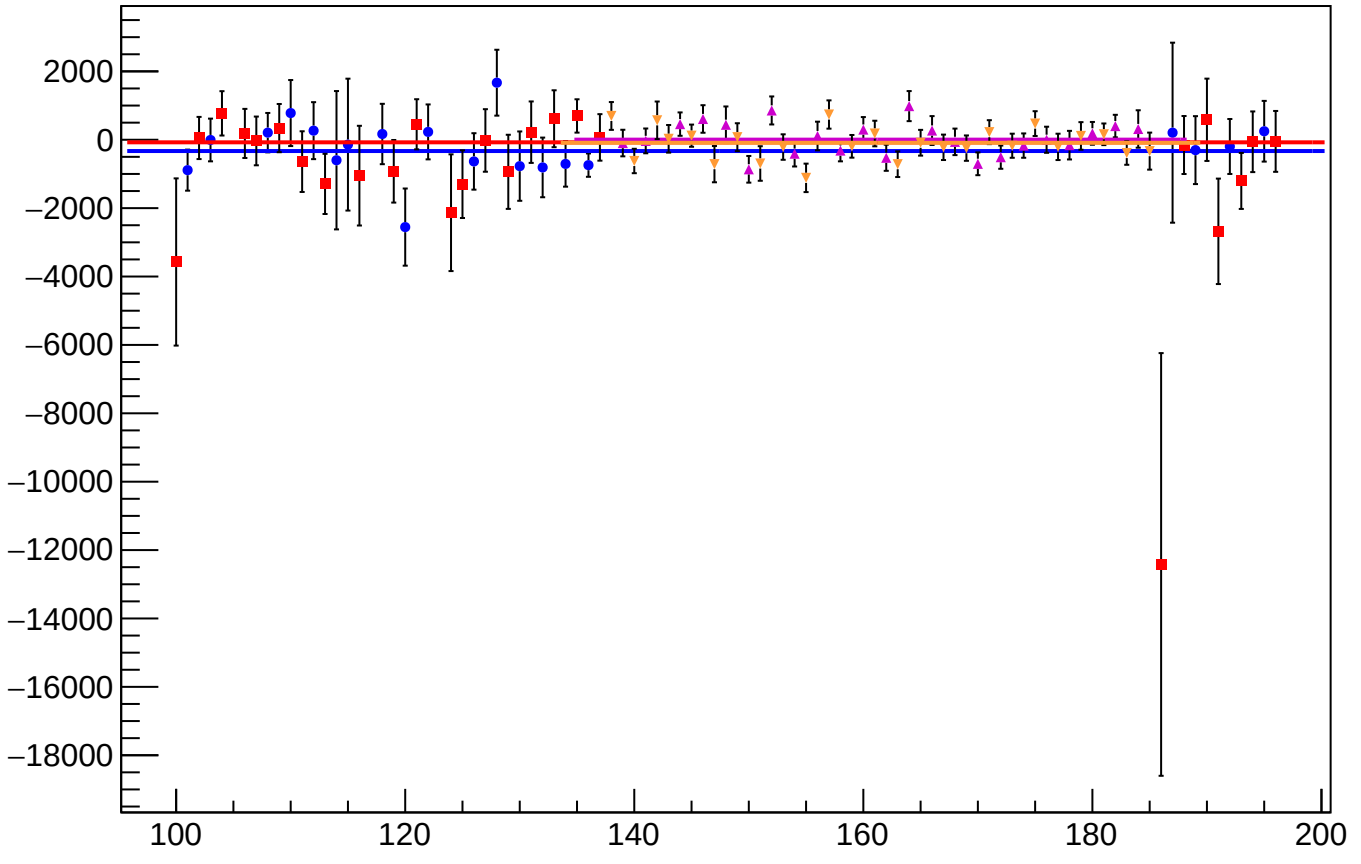
Right Out: 65.449+/-0.014 χ^2/NDF: 1365270.5/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176510.2/44

All: 59.619+/-0.006 χ^2/NDF: 2893470.3/93

- sign 60.361+/-0.008 χ^2/NDF: 1699506.1/48



Right In: -329.965+/-169.924 χ^2/NDF: 15.8/19

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -75.083+/-166.202 χ^2/NDF: 24.4/25

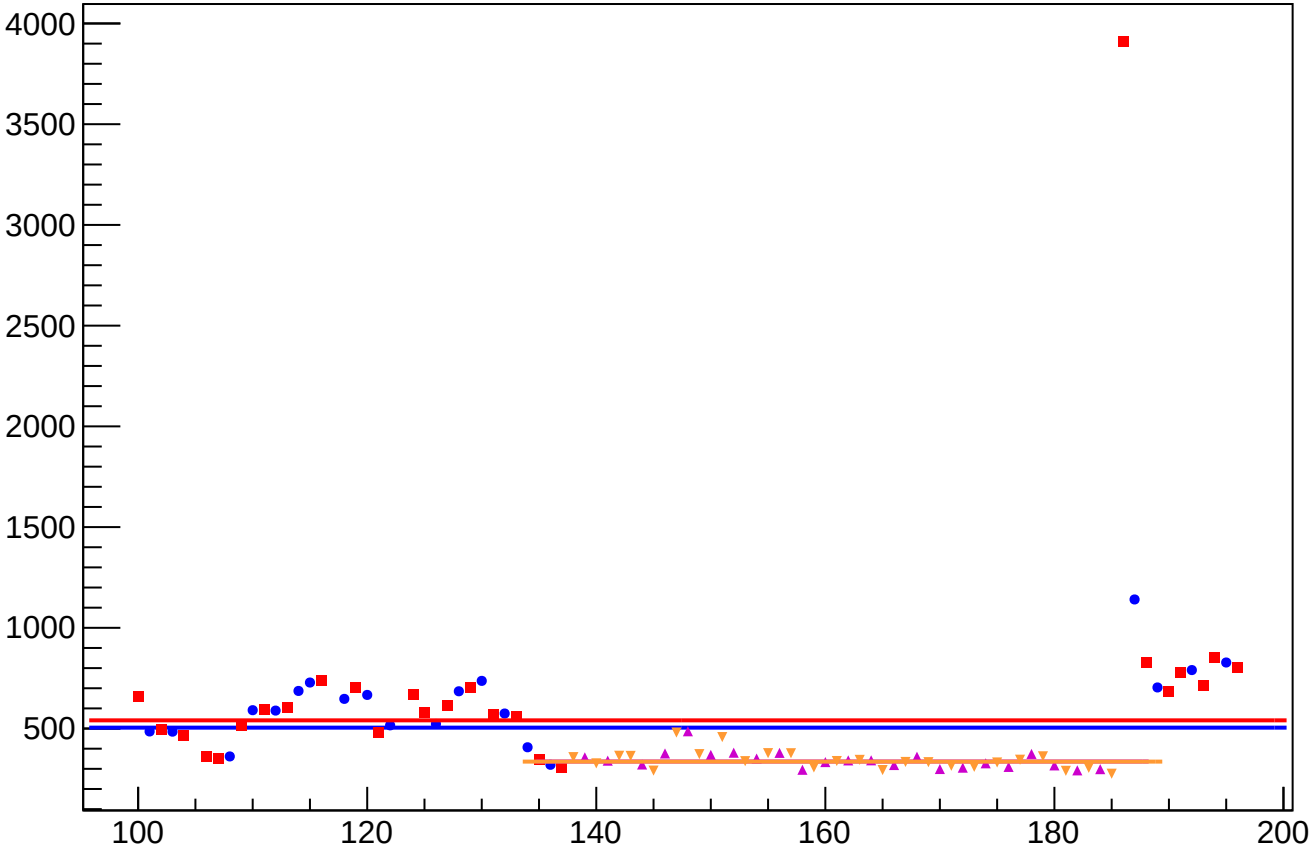
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -130.111+/-70.144 χ^2/NDF: 47.3/44

All: -71.890+/-50.069 χ^2/NDF: 106.9/93

- sign -11.409+/-71.492 χ^2/NDF: 58.2/48

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 504.472+/-0.120 χ^2/NDF: 1831850.3/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 540.718+/-0.118 χ^2/NDF: 2487370.5/25

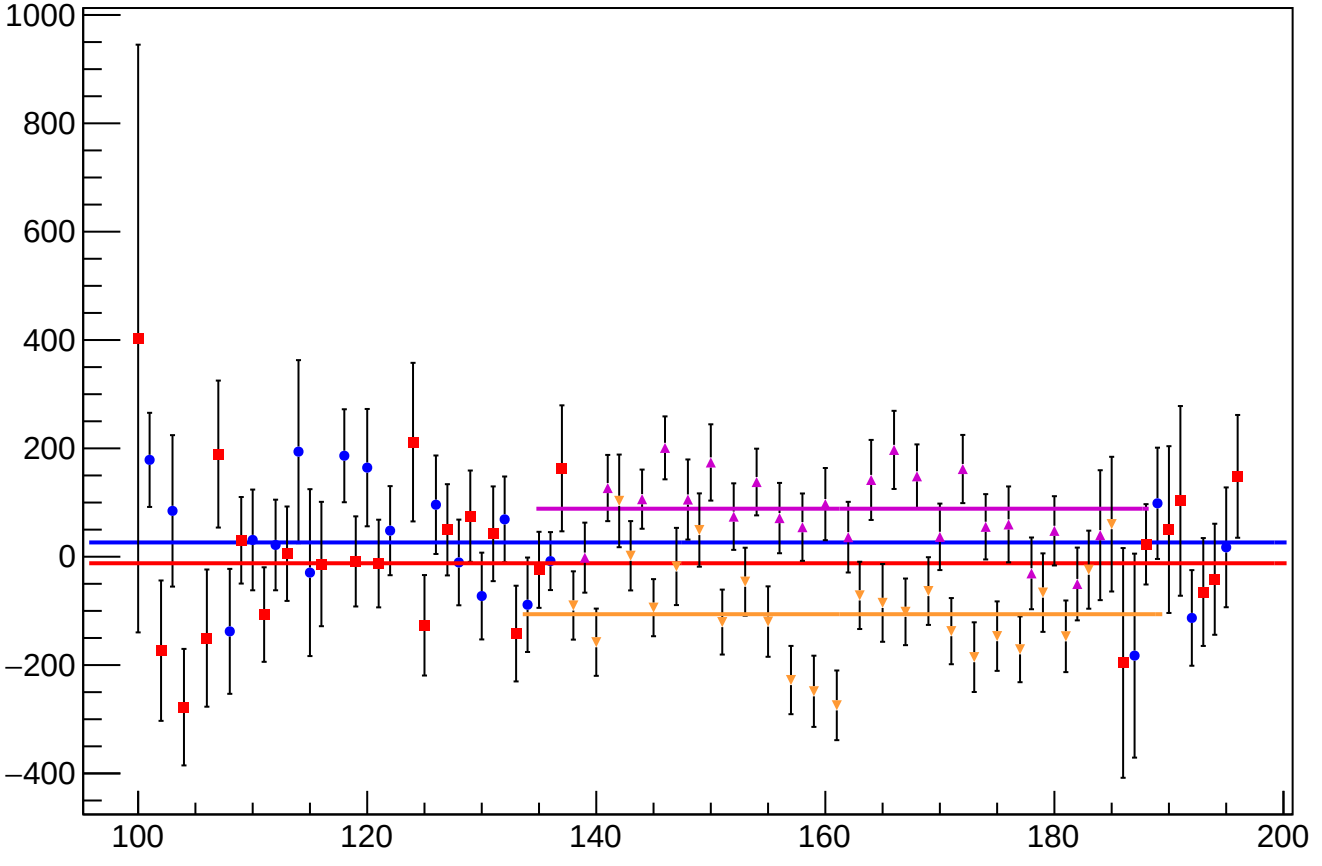
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 364.620+/-0.050 χ^2/NDF: 3998698.6/44

All: 369.298+/-0.035 χ^2/NDF: 9383059.1/93

- sign 374.159+/-0.051 χ^2/NDF: 5366218.6/48

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 26.358+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.062+/-19.639 χ^2/NDF: 27.4/25

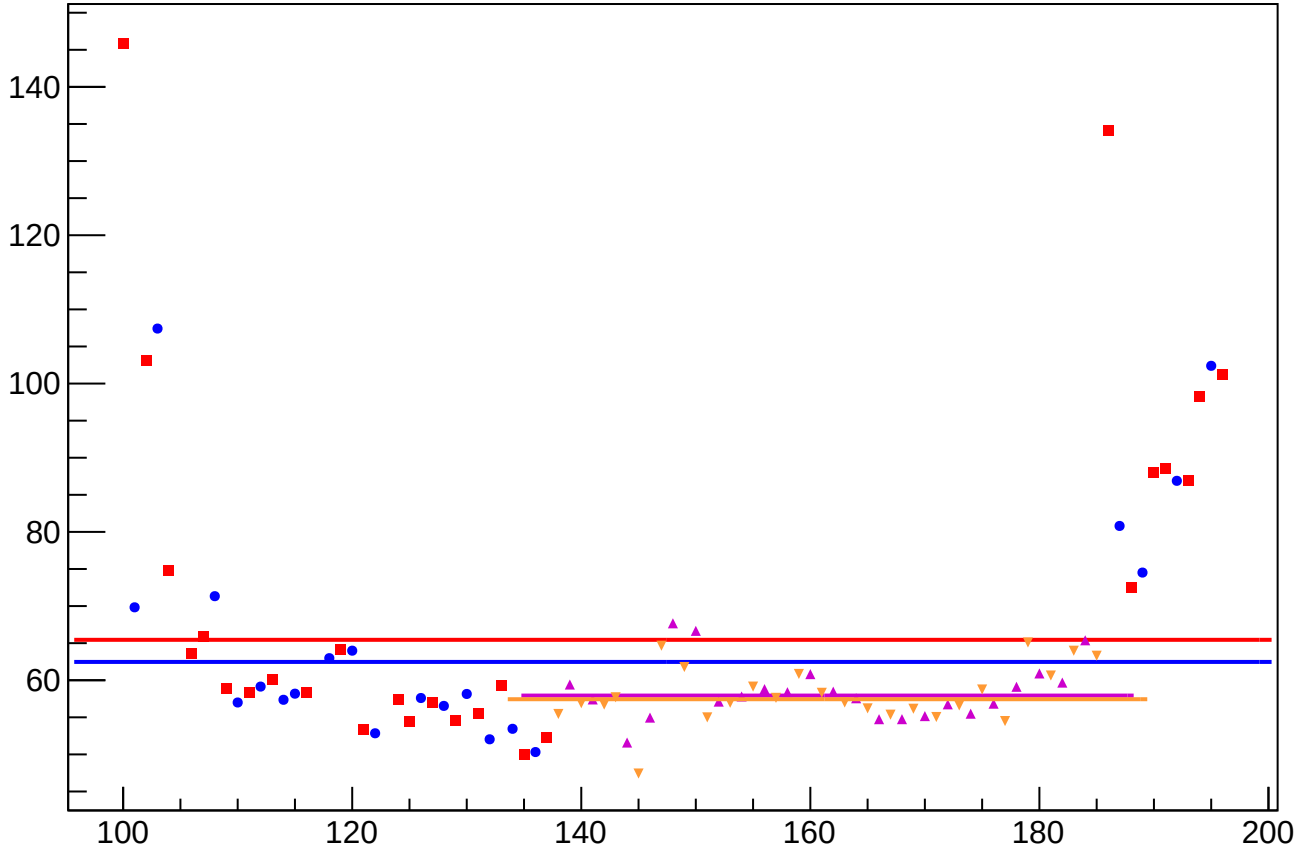
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -67.800+/-11.036 χ^2/NDF: 90.9/44

All: -6.556+/-7.848 χ^2/NDF: 222.2/93

\- sign 56.098+/-11.162 χ^2/NDF: 69.1/48

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 62.469+/-0.015 χ^2/NDF: 916578.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

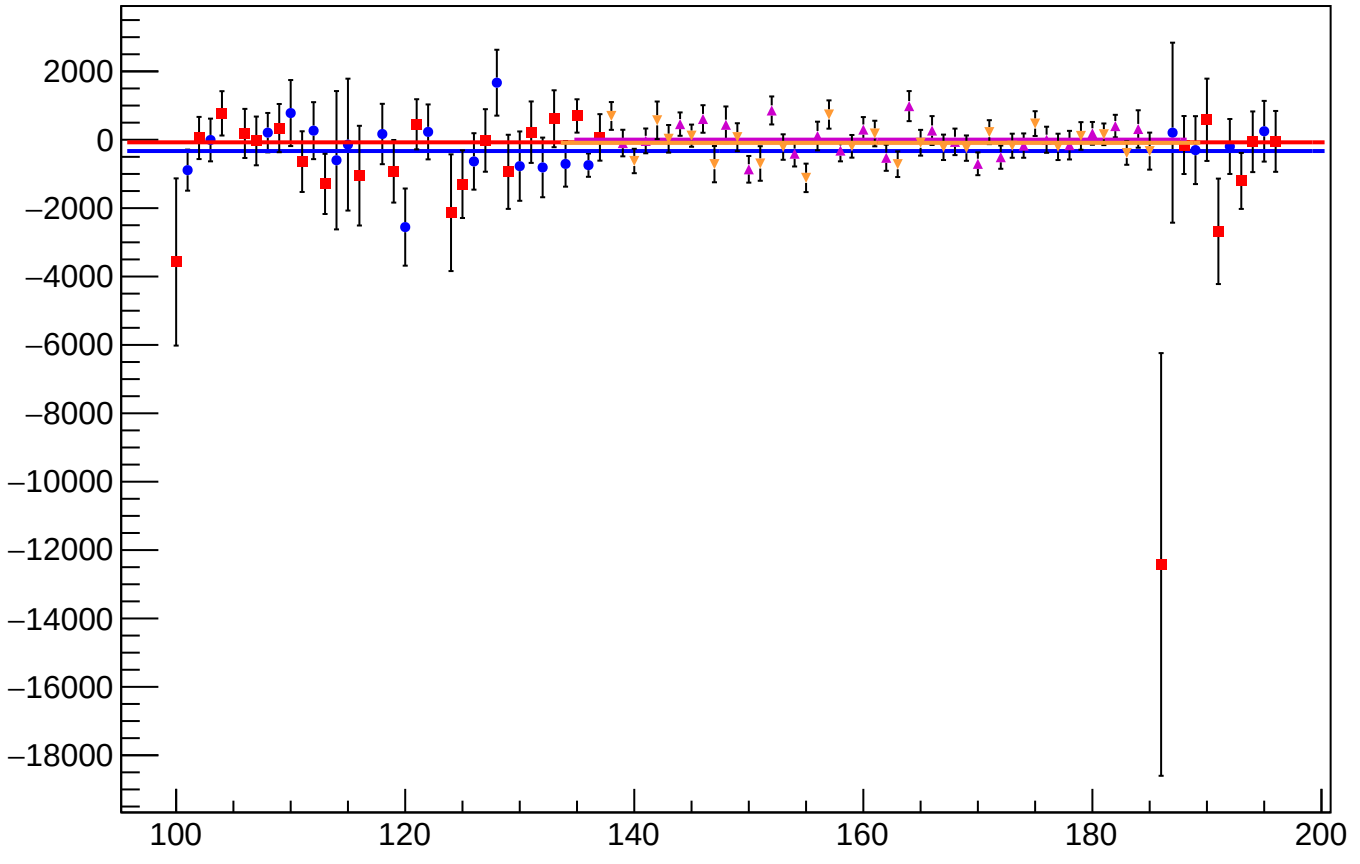
Right Out: 65.449+/-0.014 χ^2/NDF: 1365270.5/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176510.2/44

All: 59.619+/-0.006 χ^2/NDF: 2893470.3/93

- sign 60.361+/-0.008 χ^2/NDF: 1699506.1/48



Right In: -329.965+/-169.924 χ^2/NDF: 15.8/19

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

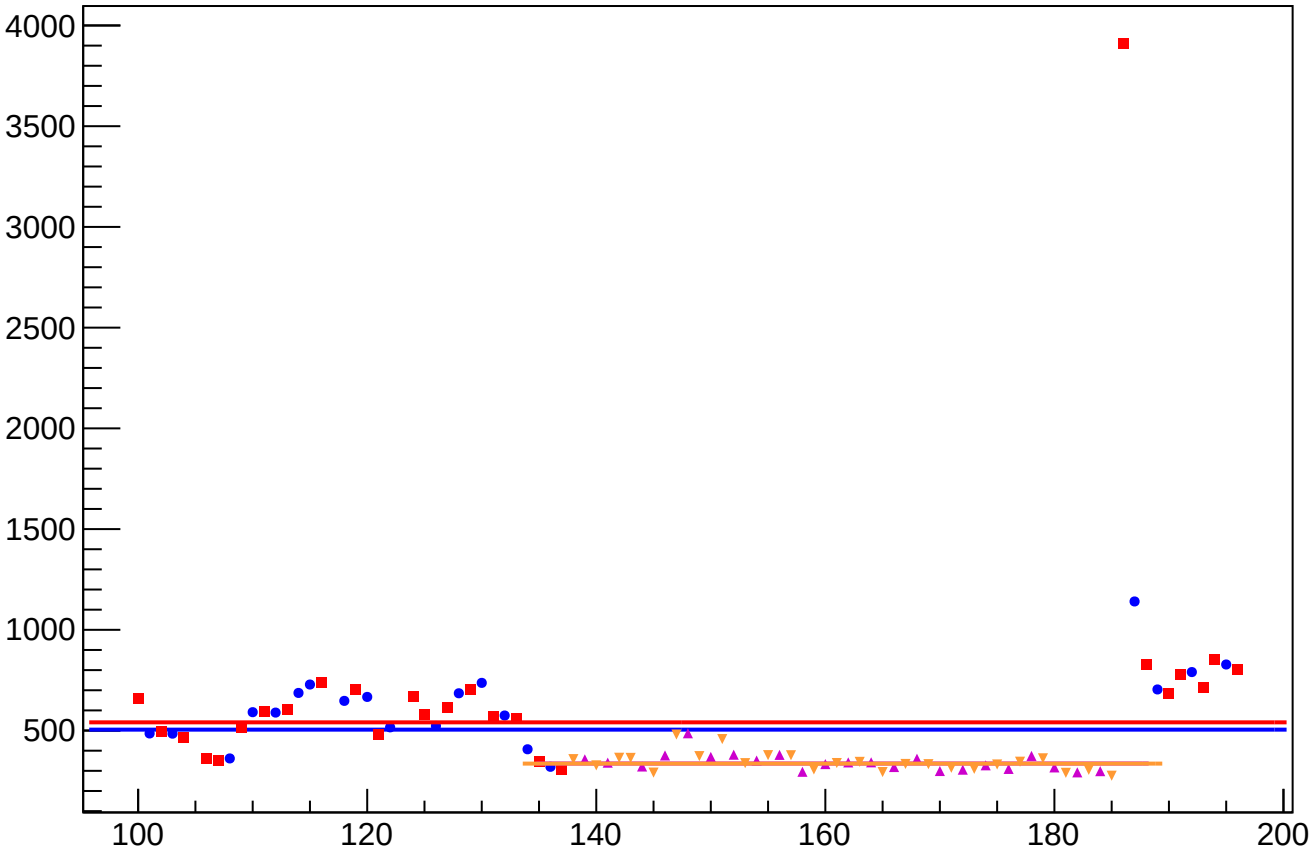
Right Out: -75.083+/-166.202 χ^2/NDF: 24.4/25

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -130.111+/-70.144 χ^2/NDF: 47.3/44

All: -71.890+/-50.069 χ^2/NDF: 106.9/93

- sign -11.409+/-71.492 χ^2/NDF: 58.2/48



Right In: 504.472+/-0.120 χ^2/NDF: 1831850.3/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 540.718+/-0.118 χ^2/NDF: 2487370.5/25

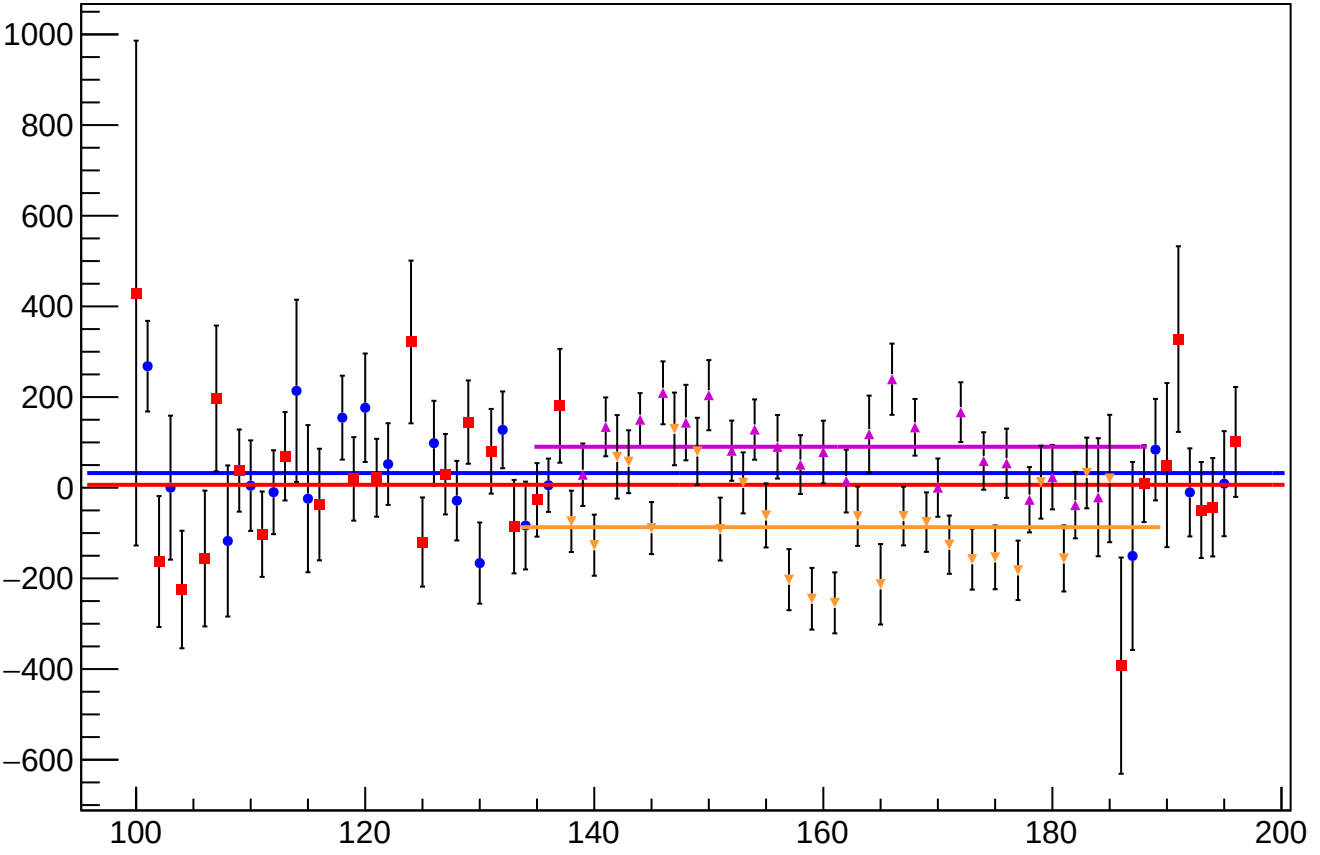
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 364.620+/-0.050 χ^2/NDF: 3998698.6/44

All: 369.298+/-0.035 χ^2/NDF: 9383059.1/93

- sign 374.159+/-0.051 χ^2/NDF: 5366218.6/48

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 32.340+/-22.626 χ^2/NDF: 20.9/19

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 6.496+/-21.768 χ^2/NDF: 26.8/25

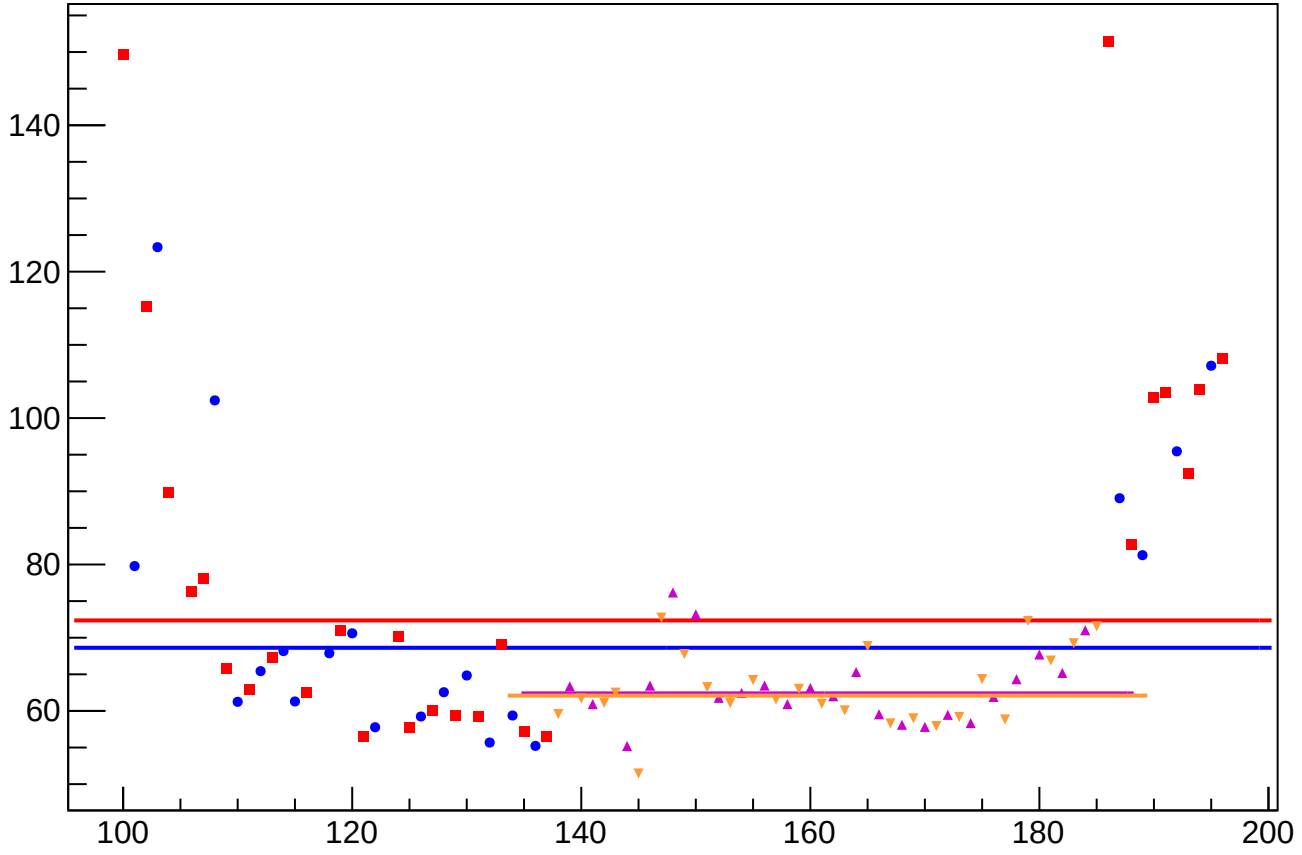
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.334+/-12.012 χ^2/NDF: 89.7/44

All: 4.727+/-8.545 χ^2/NDF: 199.0/93

- sign 64.203+/-12.158 χ^2/NDF: 62.0/48

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 68.625+/-0.016 χ^2/NDF: 1012602.1/19

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

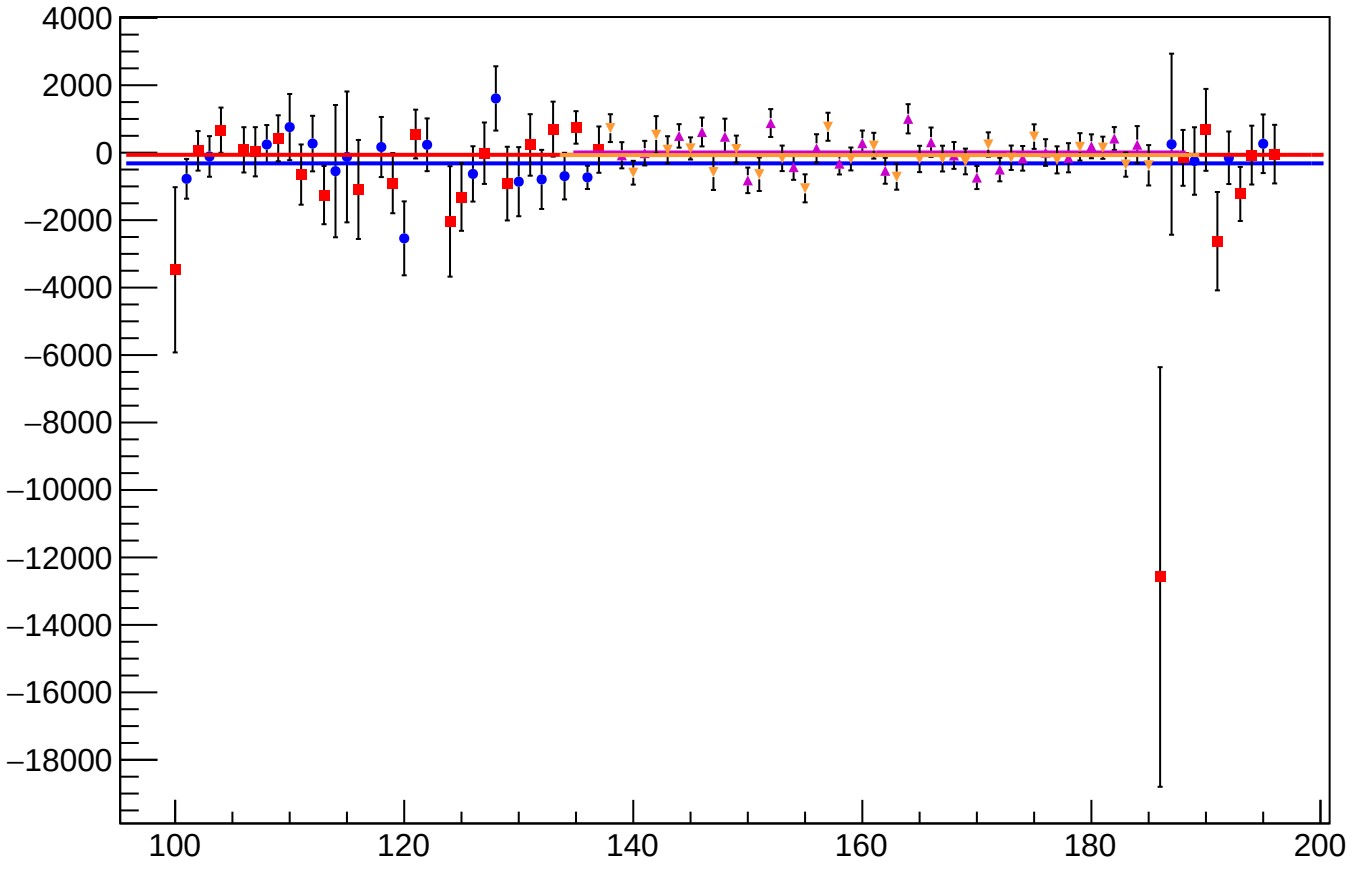
Right Out: 72.361+/-0.015 χ^2/NDF: 1408949.4/25

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 63.934+/-0.008 χ^2/NDF: 1365656.8/44

All: 64.710+/-0.006 χ^2/NDF: 3268703.4/93

- sign 65.504+/-0.009 χ^2/NDF: 1886182.9/48



Right In: -316.791+/-169.374 χ^2/NDF: 15.4/19

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -63.301+/-164.035 χ^2/NDF: 25.3/25

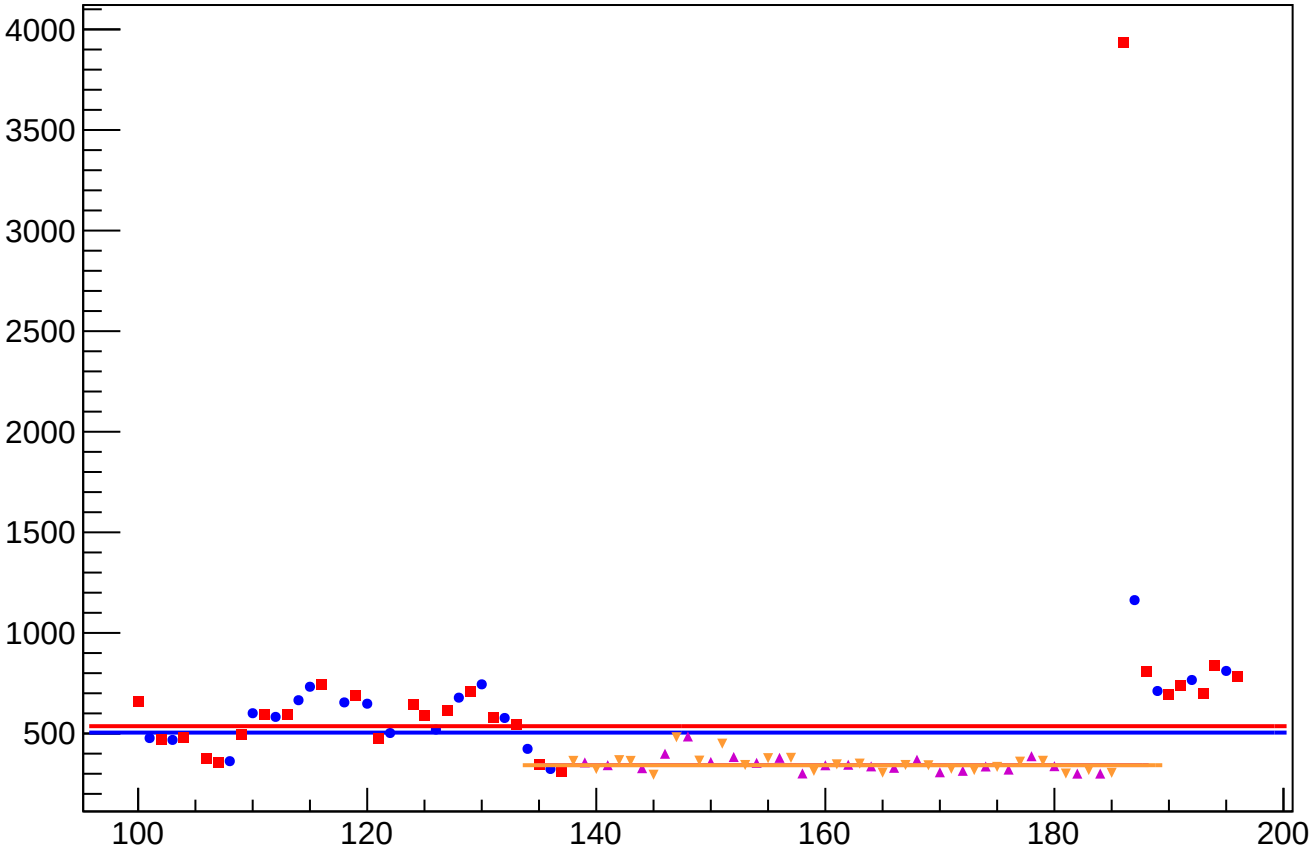
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -114.637+/-71.147 χ^2/NDF: 45.7/44

All: -62.001+/-50.765 χ^2/NDF: 106.2/93

- sign -7.413+/-72.455 χ^2/NDF: 59.4/48

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 504.569+/-0.120 χ^2/NDF: 1749545.4/19

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 536.458+/-0.116 χ^2/NDF: 2404100.5/25

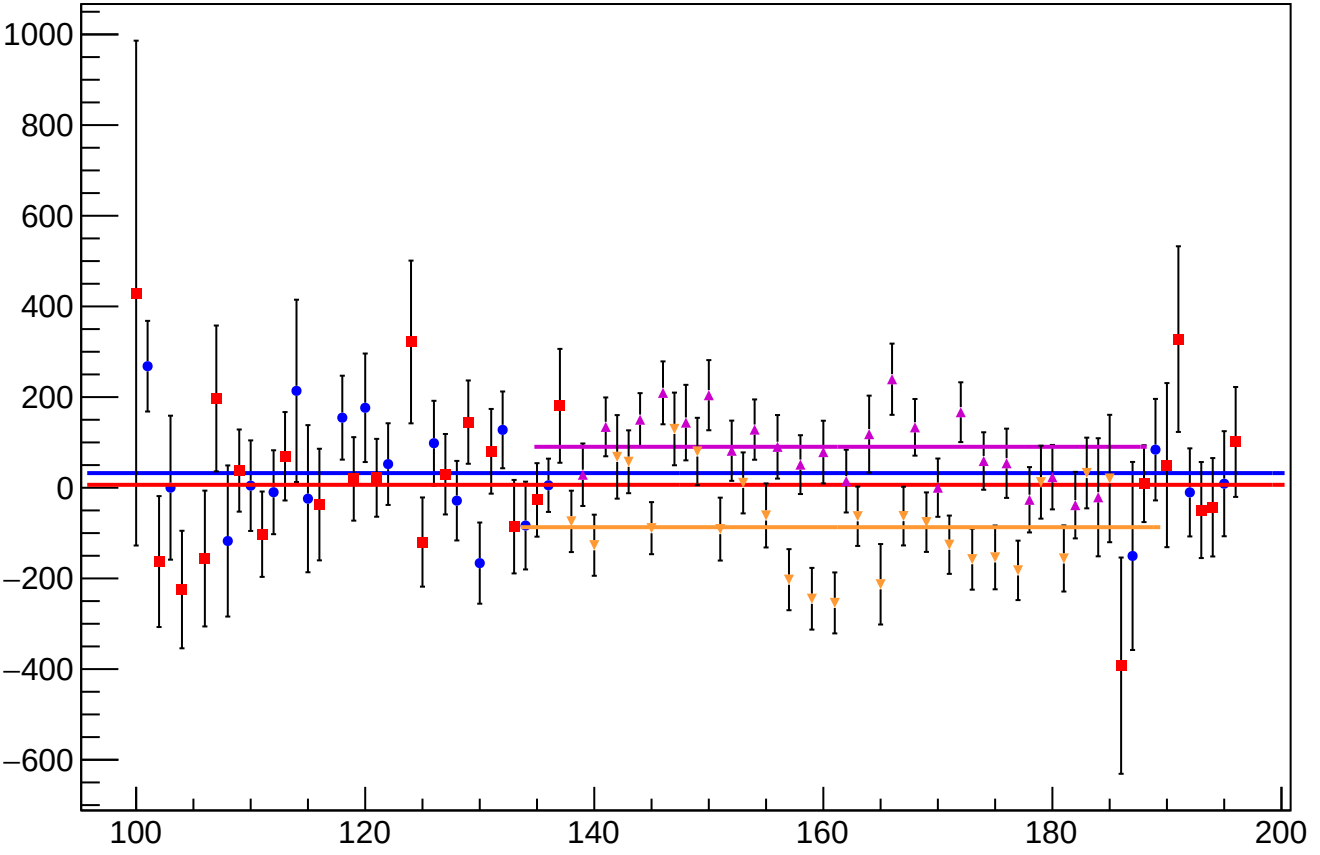
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 371.099+/-0.050 χ^2/NDF: 3691808.1/44

All: 375.930+/-0.036 χ^2/NDF: 8721118.9/93

- sign 380.941+/-0.051 χ^2/NDF: 5010523.9/48

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 32.340+/-22.626 χ^2/NDF: 20.9/19

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 6.497+/-21.768 χ^2/NDF: 26.8/25

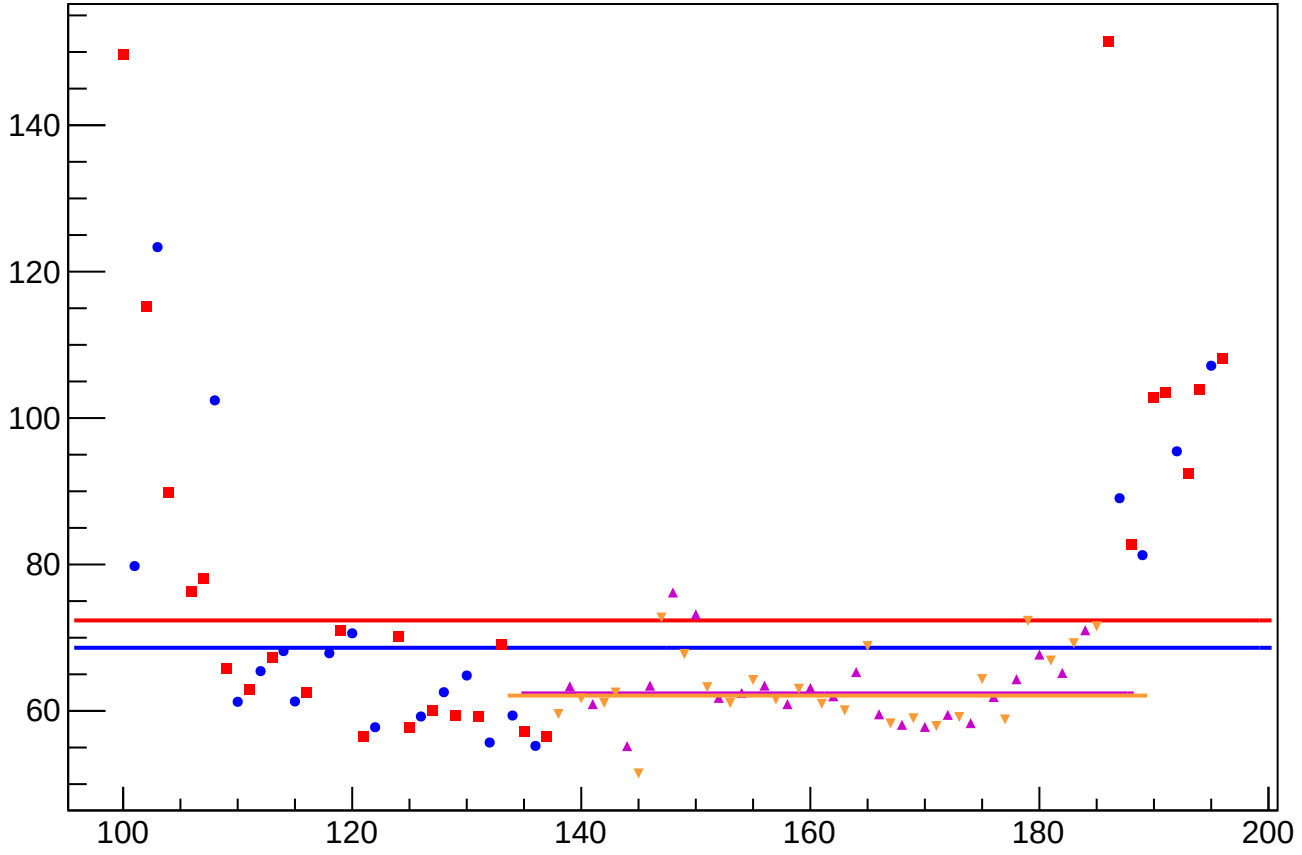
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.333+/-12.012 χ^2/NDF: 89.7/44

All: 4.728+/-8.545 χ^2/NDF: 199.0/93

- sign 64.203+/-12.158 χ^2/NDF: 62.0/48

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 68.625+/-0.016 χ^2/NDF: 1012622.3/19

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

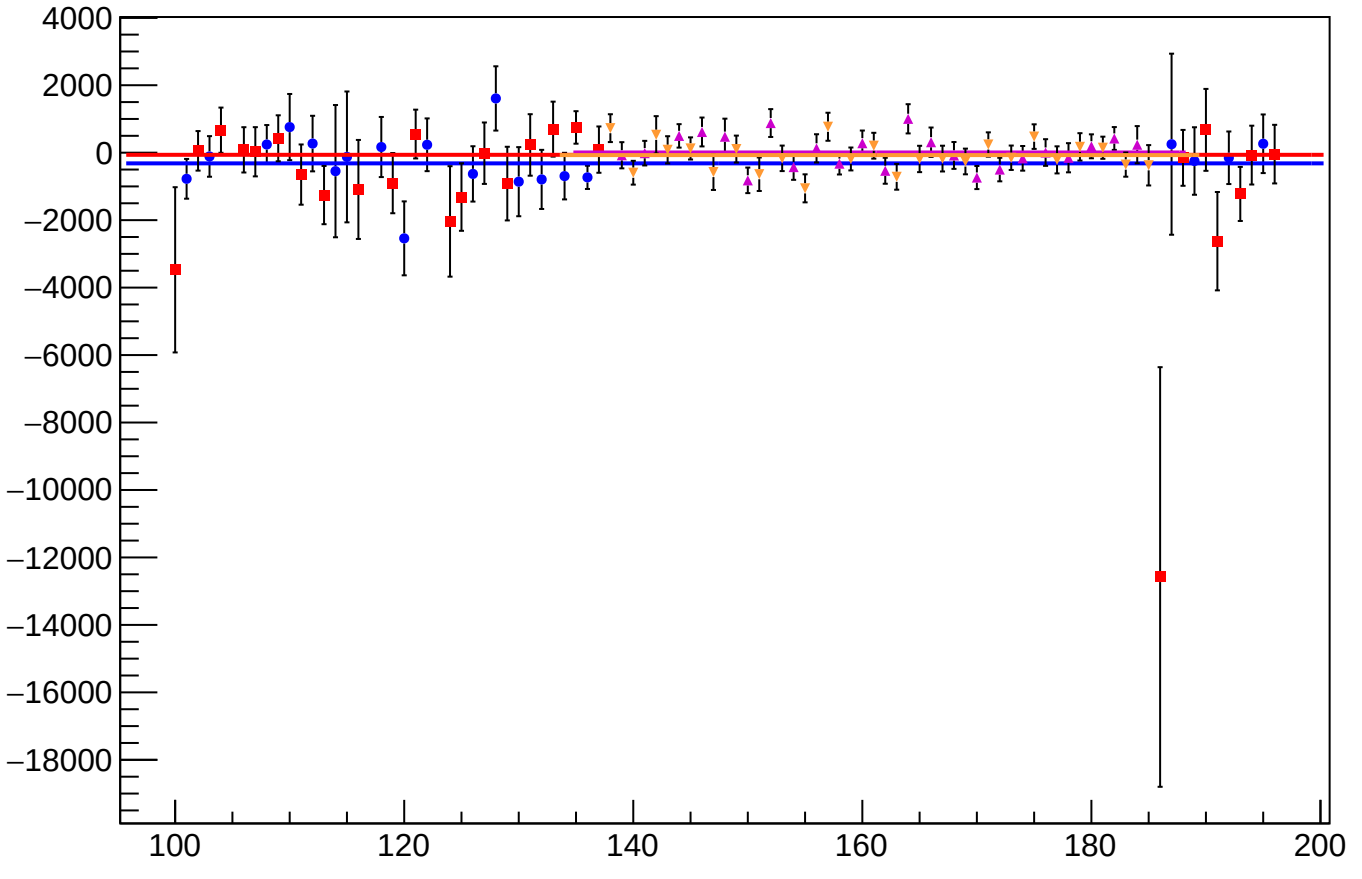
Right Out: 72.361+/-0.015 χ^2/NDF: 1408951.7/25

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 63.934+/-0.008 χ^2/NDF: 1365678.3/44

All: 64.709+/-0.006 χ^2/NDF: 3268725.4/93

- sign 65.504+/-0.009 χ^2/NDF: 1886182.9/48



Right In: -316.791+/-169.374 χ^2/NDF: 15.4/19

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

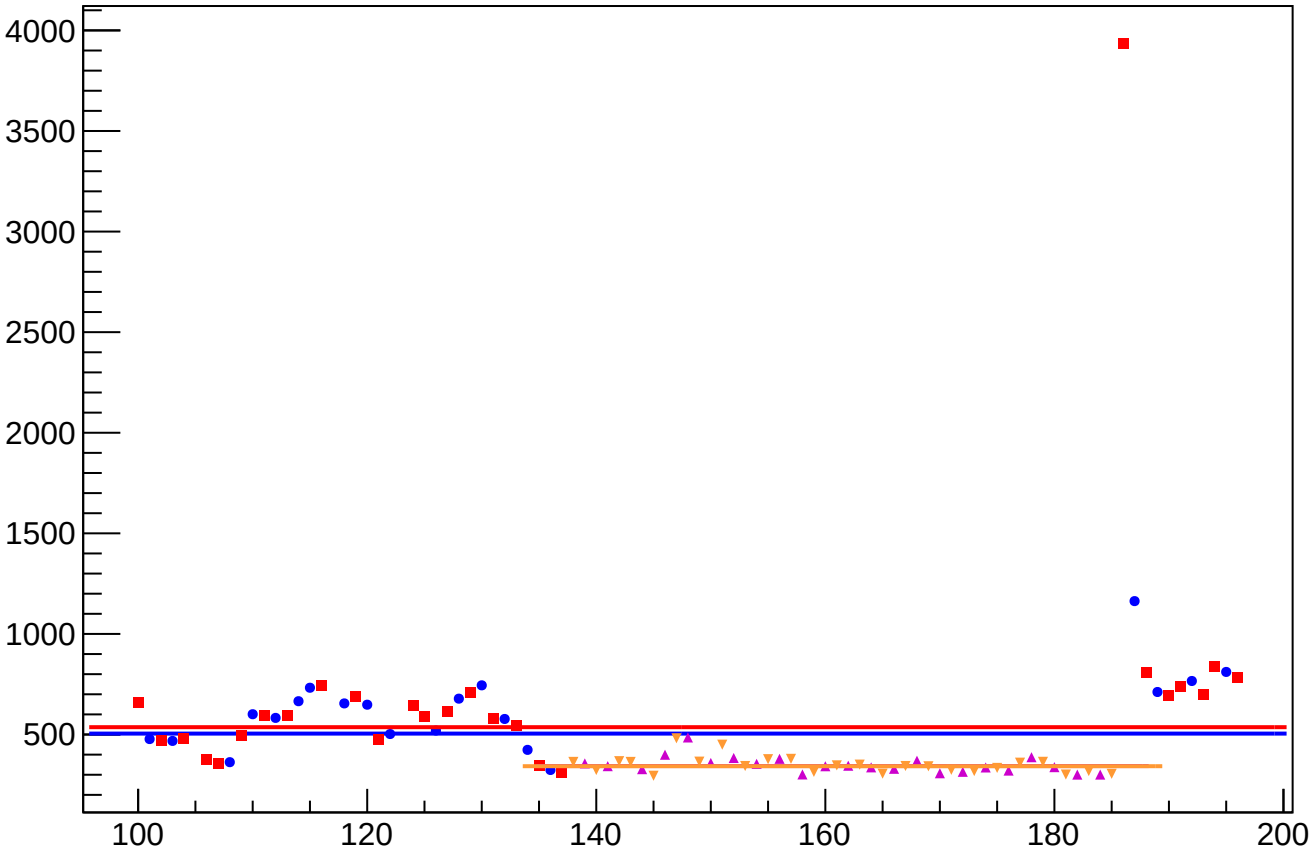
Right Out: -63.300+/-164.035 χ^2/NDF: 25.3/25

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -114.637+/-71.147 χ^2/NDF: 45.7/44

All: -62.001+/-50.765 χ^2/NDF: 106.2/93

- sign -7.412+/-72.455 χ^2/NDF: 59.4/48



Right In: 504.569+/-0.120 χ^2/NDF: 1749546.7/19

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 536.457+/-0.116 χ^2/NDF: 2404102.8/25

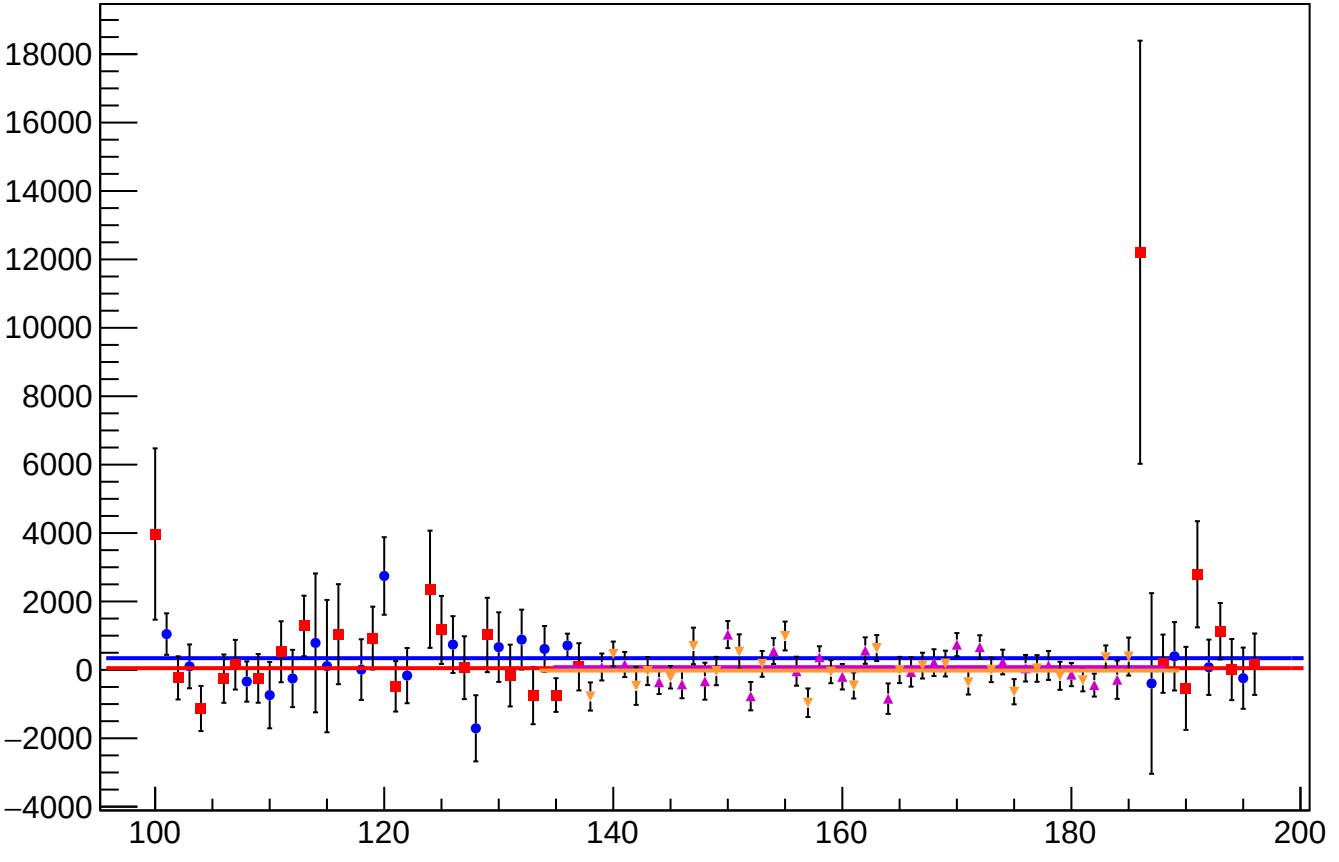
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 371.099+/-0.050 χ^2/NDF: 3691802.8/44

All: 375.930+/-0.036 χ^2/NDF: 8721101.7/93

- sign 380.941+/-0.051 χ^2/NDF: 5010511.7/48

asym_sam_13_57_dd_mean vs Slug



Right In: 341.500+/-171.765 χ^2/NDF: 16.8/19

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 49.694+/-167.603 χ^2/NDF: 26.8/25

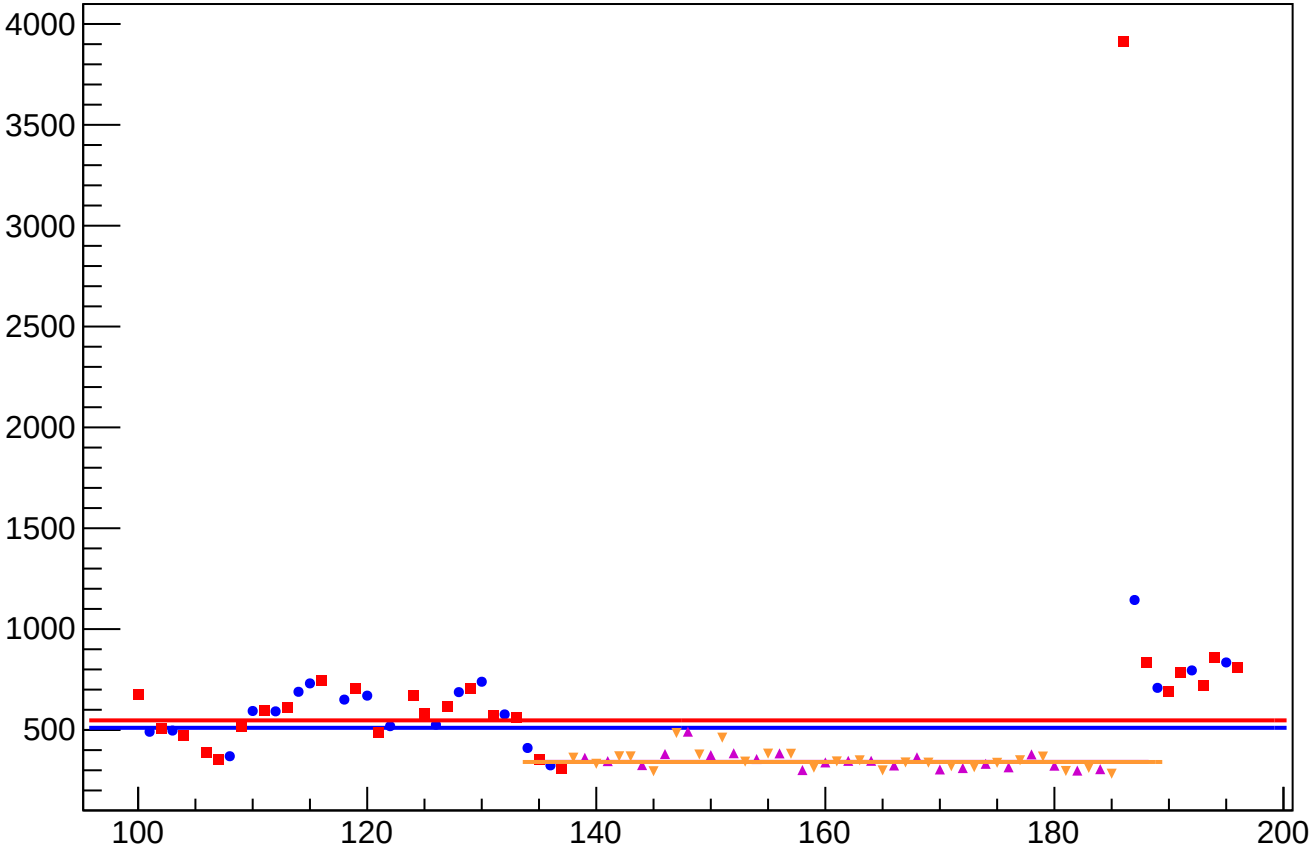
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.835+/-71.168 χ^2/NDF: 51.9/44

All: 57.270+/-50.787 χ^2/NDF: 111.7/93

- sign 73.288+/-72.498 χ^2/NDF: 59.7/48

asym_sam_13_57_dd_rms vs Slug



Right In: 510.583+/-0.121 χ^2/NDF: 1788814.8/19

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 547.470+/-0.119 χ^2/NDF: 2420910.7/25

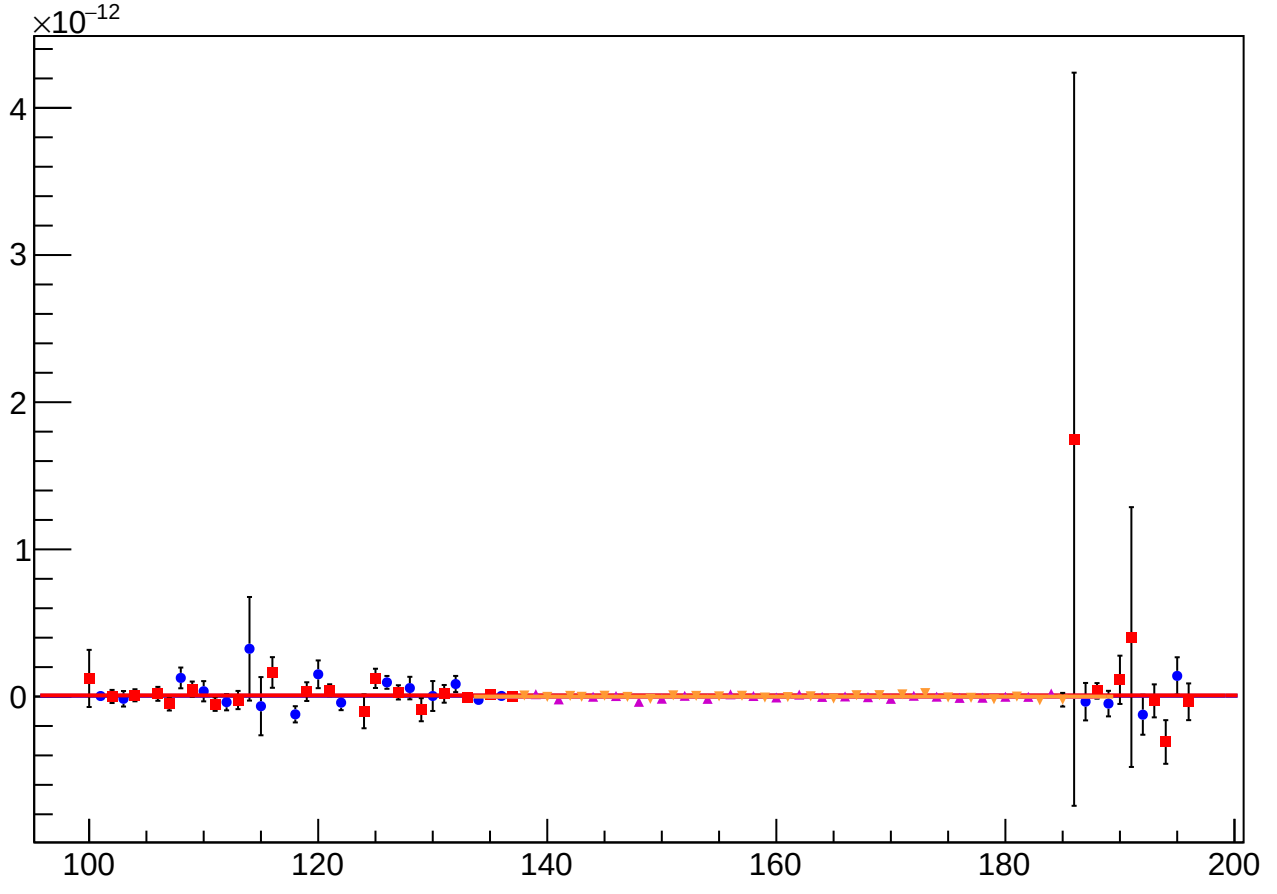
Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 370.278+/-0.050 χ^2/NDF: 3910710.9/44

All: 375.117+/-0.036 χ^2/NDF: 9199748.7/93

- sign 380.138+/-0.051 χ^2/NDF: 5270198.0/48

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

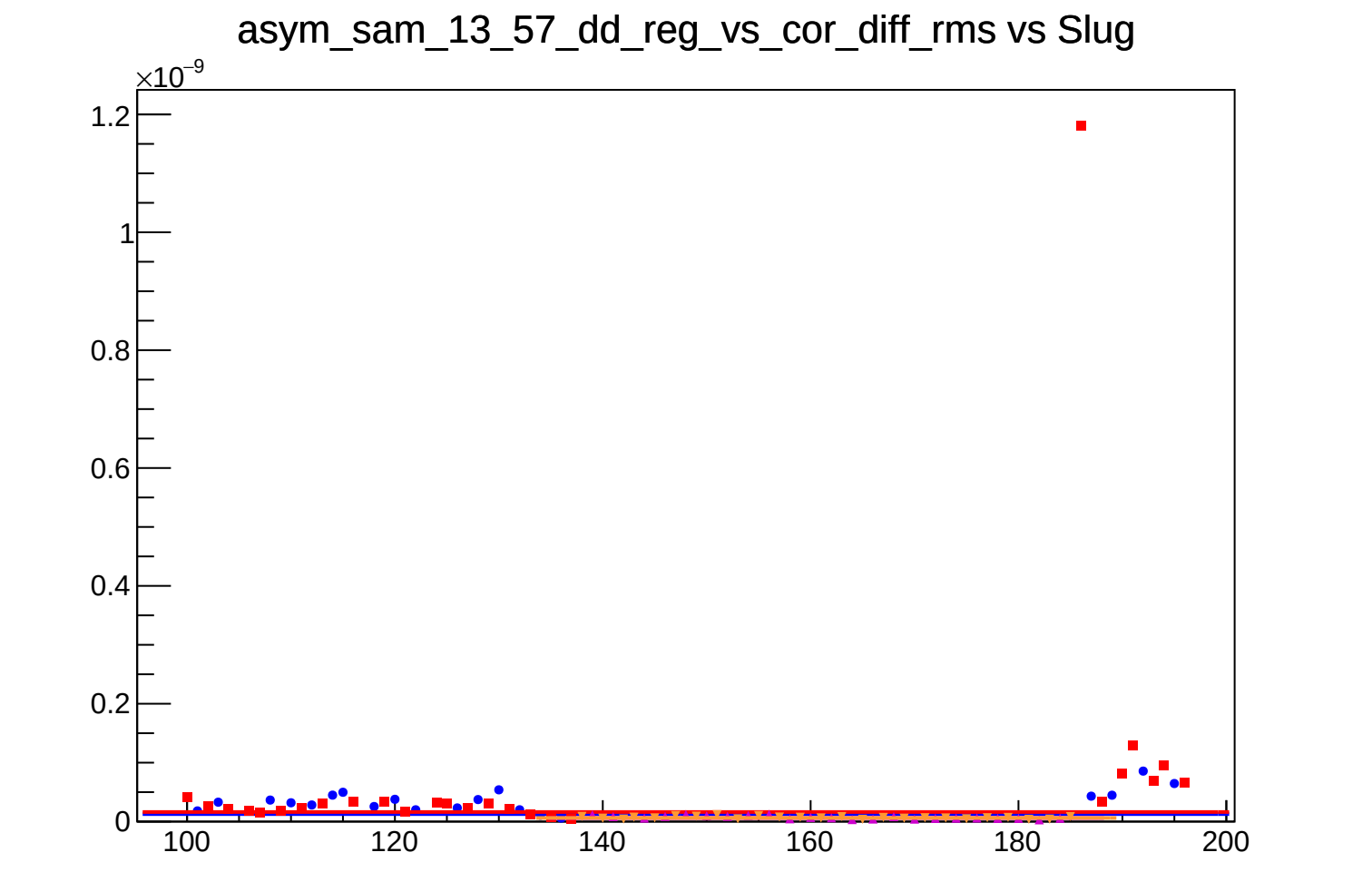
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/25

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/44

All: -0.000+/-0.000 χ^2/NDF: 79.3/93

- sign -0.000+/-0.000 χ^2/NDF: 35.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4168952.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4198304.6/25

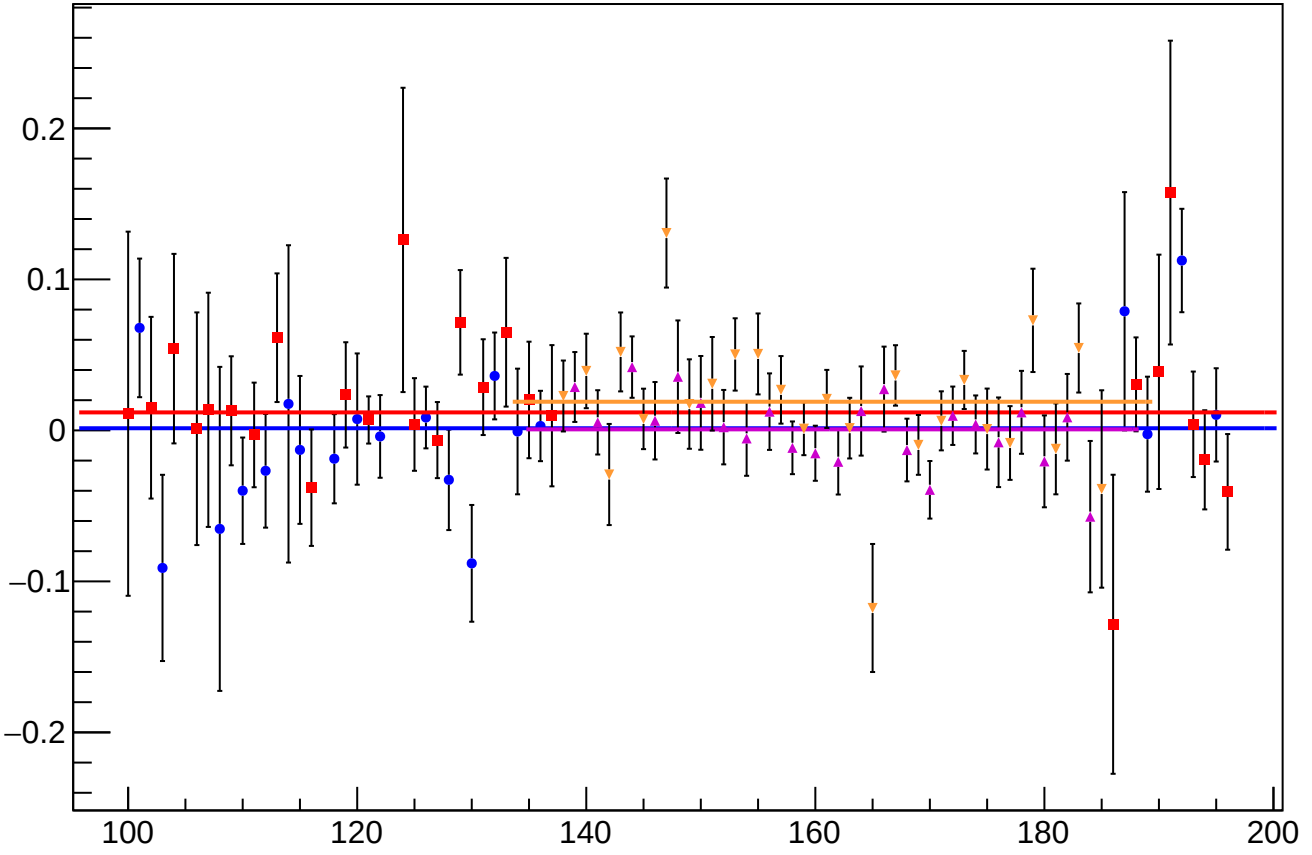
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6552546.2/44

All: 0.000+/-0.000 χ^2/NDF: 14793941.9/93

- sign 0.000+/-0.000 χ^2/NDF: 8241313.6/48

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

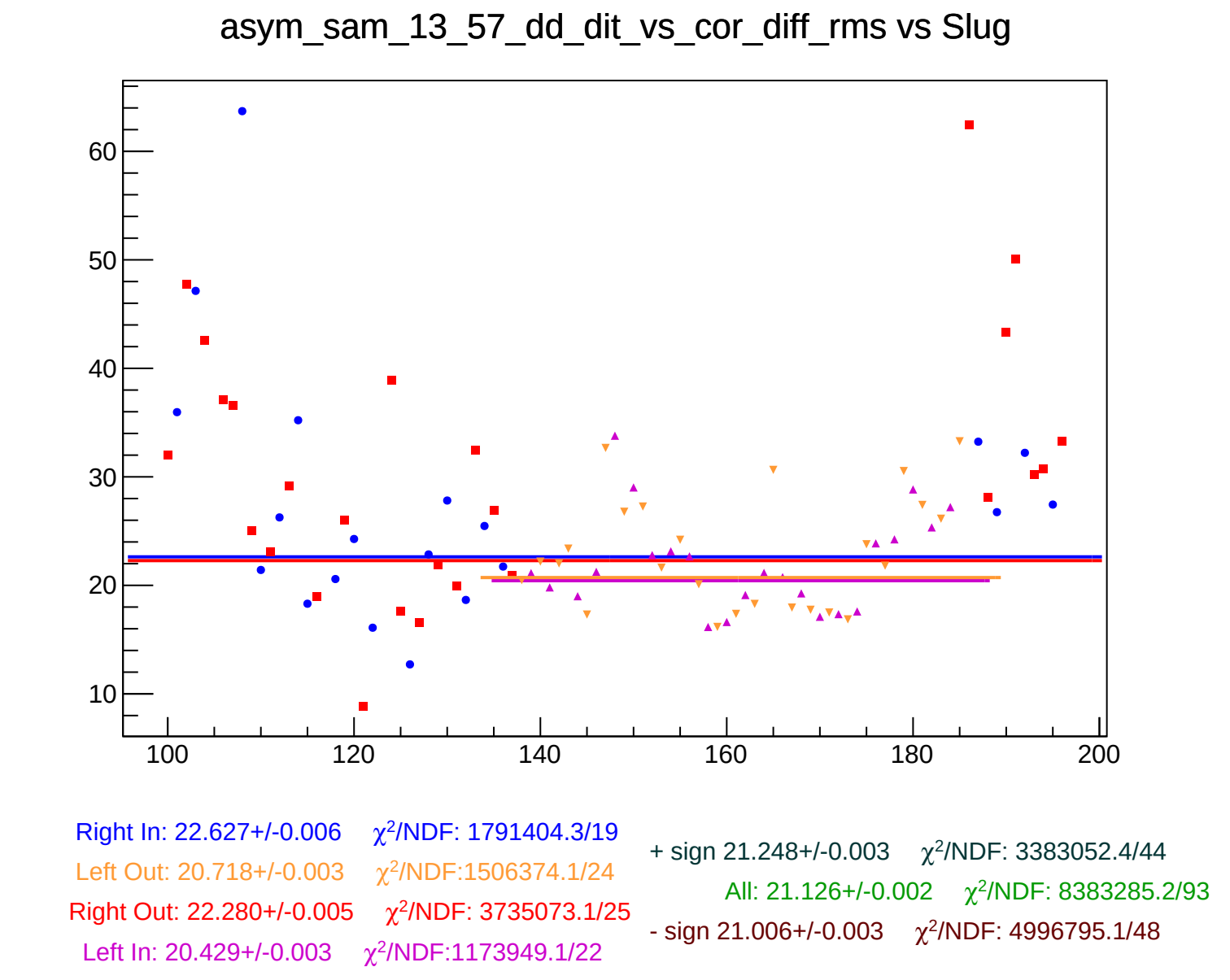
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/44

All: 0.009+/-0.003 χ^2/NDF: 111.5/93

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
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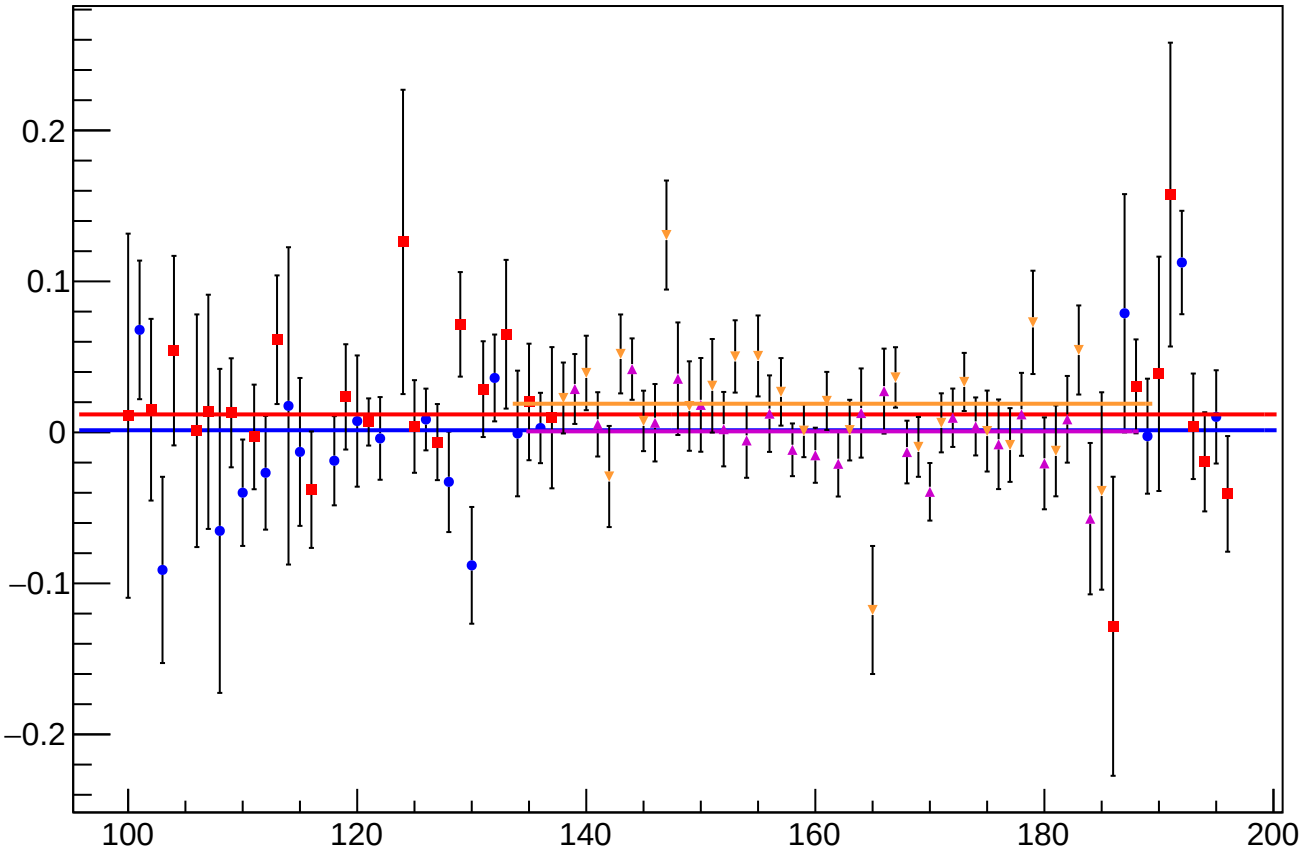
Right In: 22.627+/-0.006 χ²/NDF: 1791404.3/19
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 22.280+/-0.005 χ²/NDF: 3735073.1/25
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.248+/-0.003 χ²/NDF: 3383052.4/44
All: 21.126+/-0.002 χ²/NDF: 8383285.2/93
- sign 21.006+/-0.003 χ²/NDF: 4996795.1/48



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

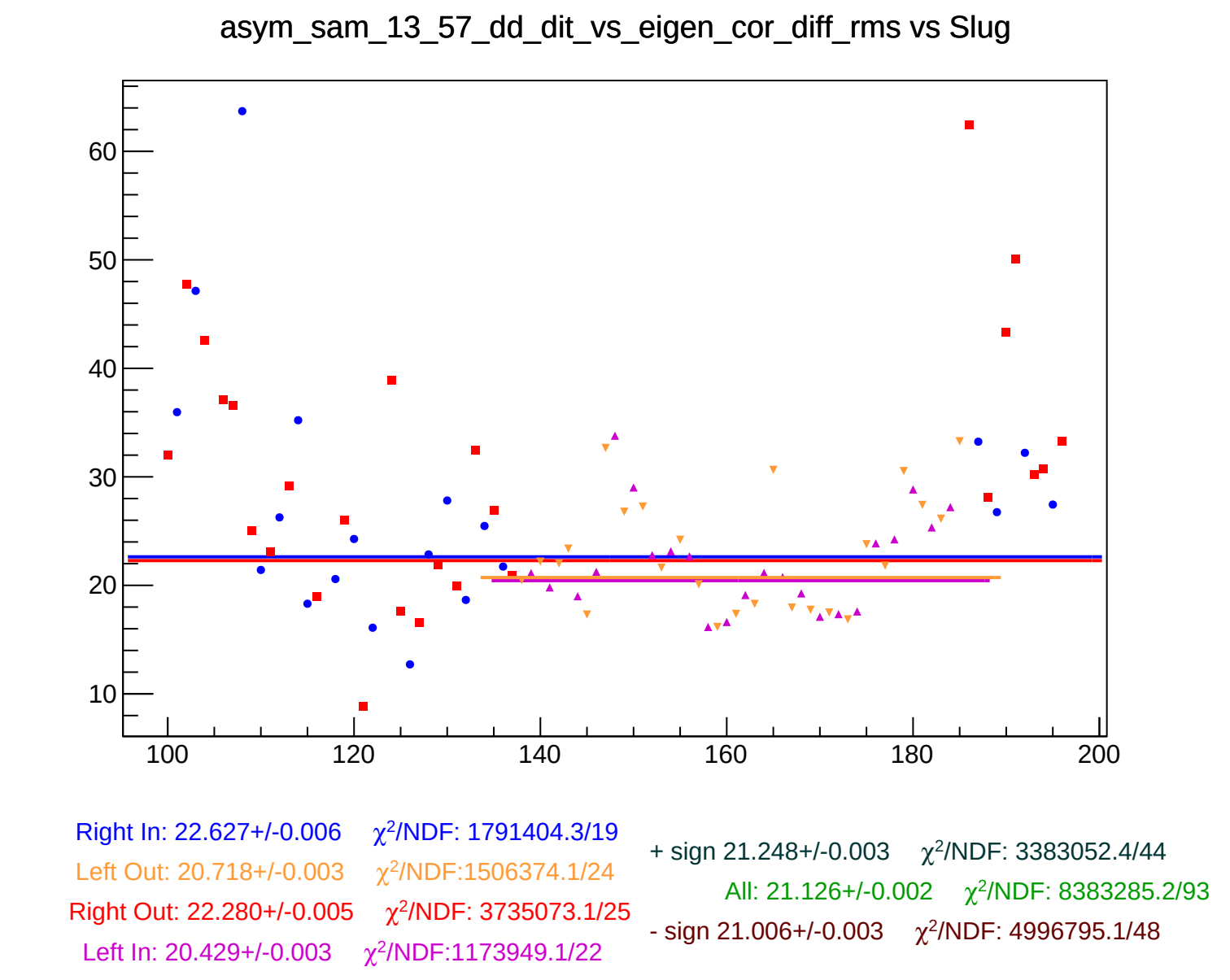
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/44

All: 0.009+/-0.003 χ^2/NDF: 111.5/93

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
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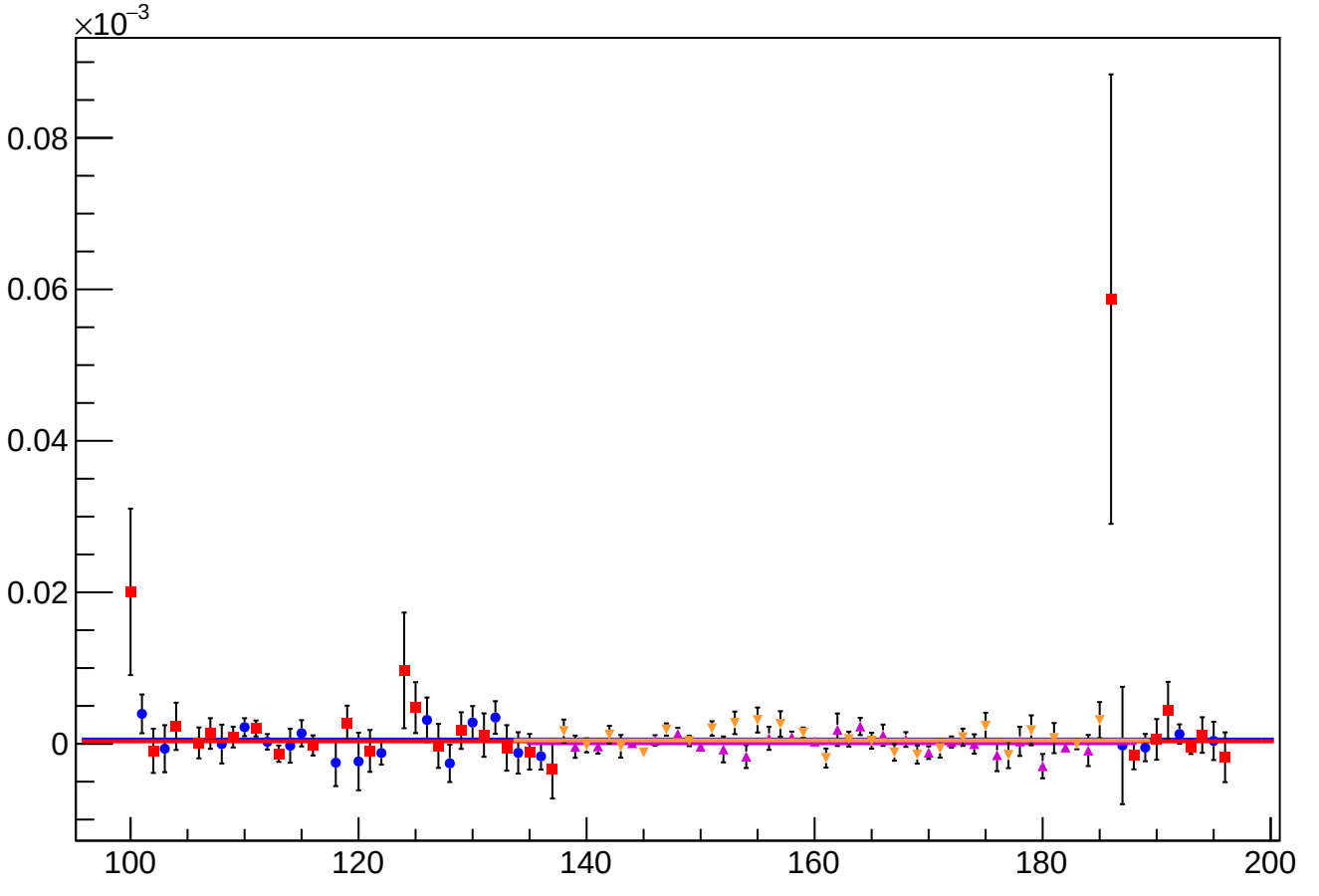
Right In: 22.627+/-0.006 χ²/NDF: 1791404.3/19
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 22.280+/-0.005 χ²/NDF: 3735073.1/25
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.248+/-0.003 χ²/NDF: 3383052.4/44
All: 21.126+/-0.002 χ²/NDF: 8383285.2/93
- sign 21.006+/-0.003 χ²/NDF: 4996795.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

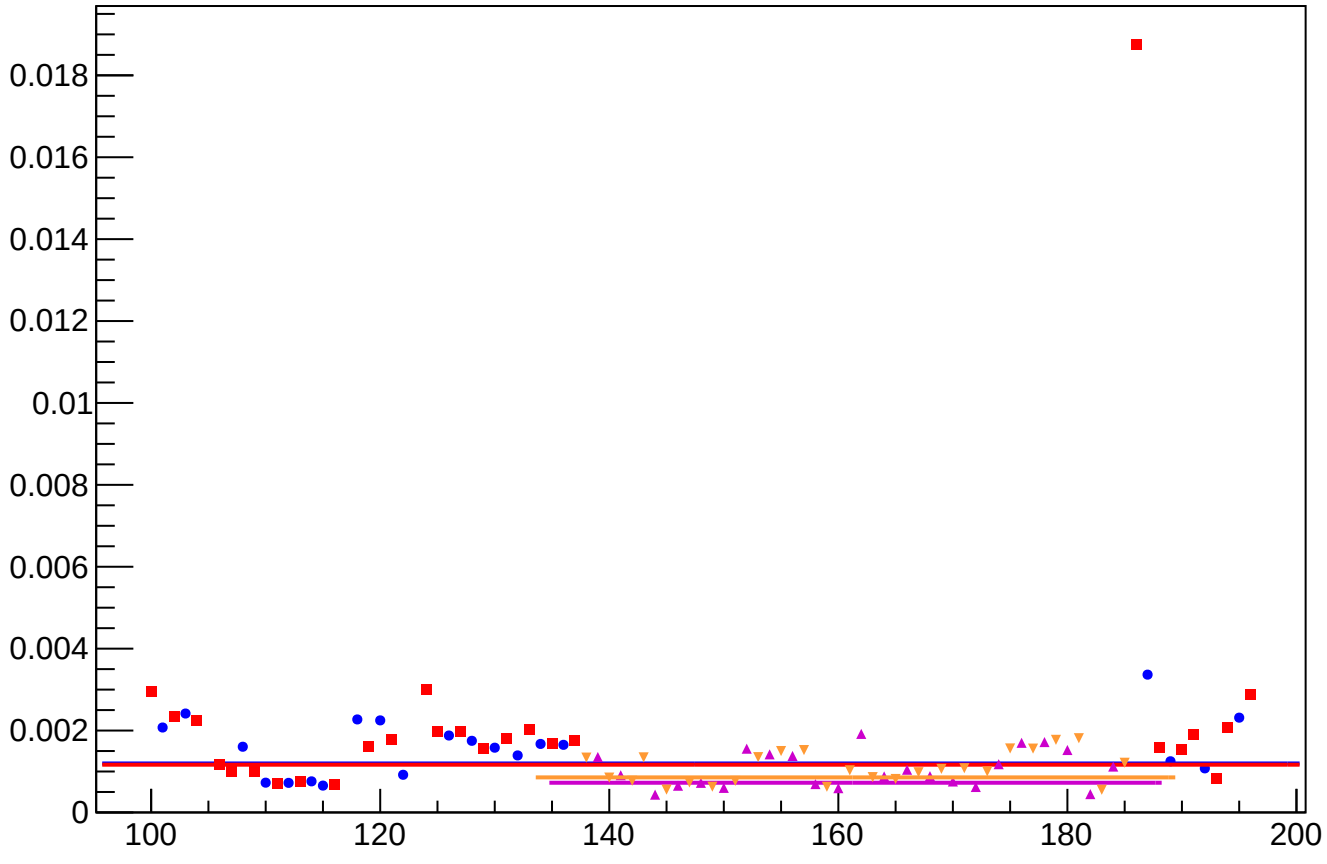
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/25

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/44

All: 0.000+/-0.000 χ^2/NDF: 96.5/93

- sign 0.000+/-0.000 χ^2/NDF: 42.6/48



Right In: 0.001+/-0.000 χ^2/NDF: 3113361.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

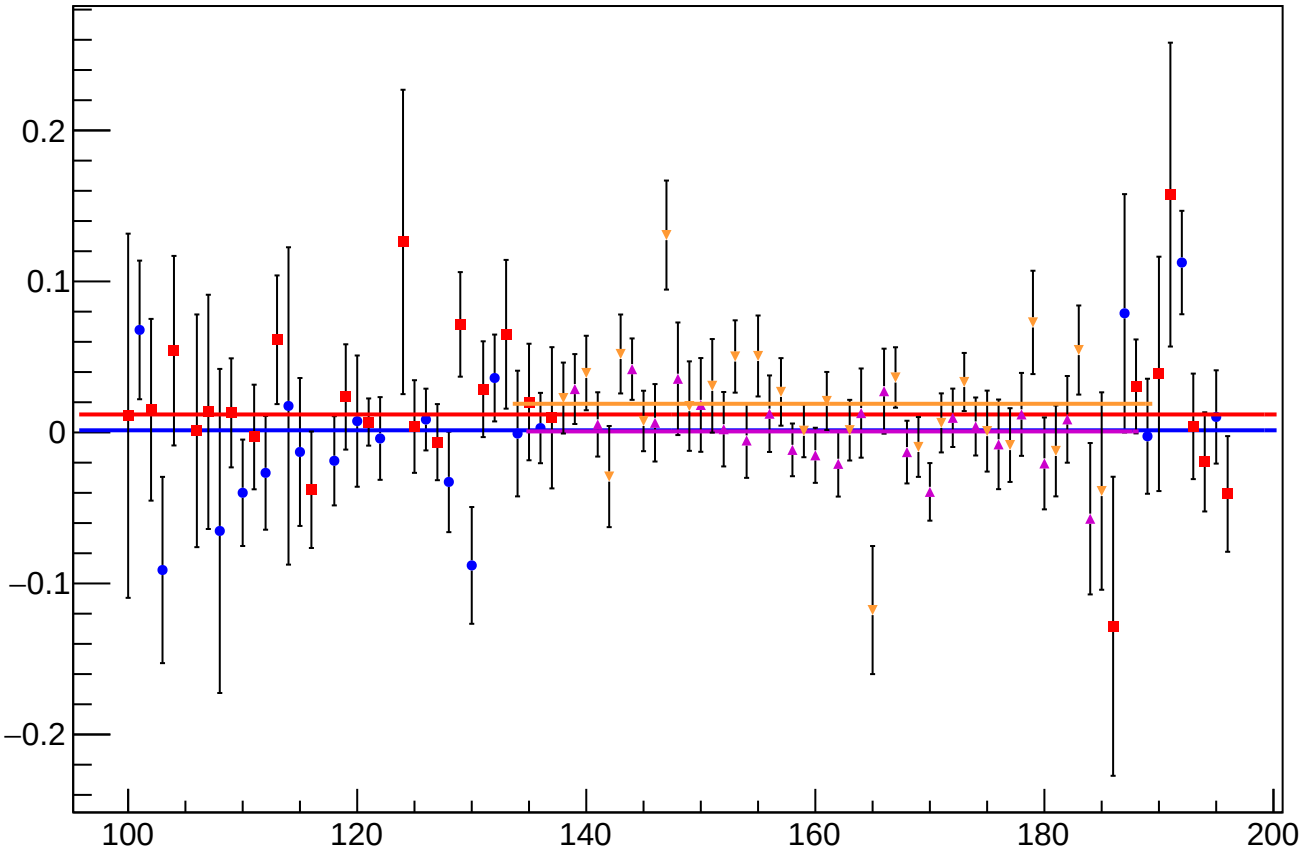
Right Out: 0.001+/-0.000 χ^2/NDF: 4662604.7/25

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 8565373.0/44

All: 0.001+/-0.000 χ^2/NDF: 21533006.0/93

- sign 0.001+/-0.000 χ^2/NDF: 12563567.2/48



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

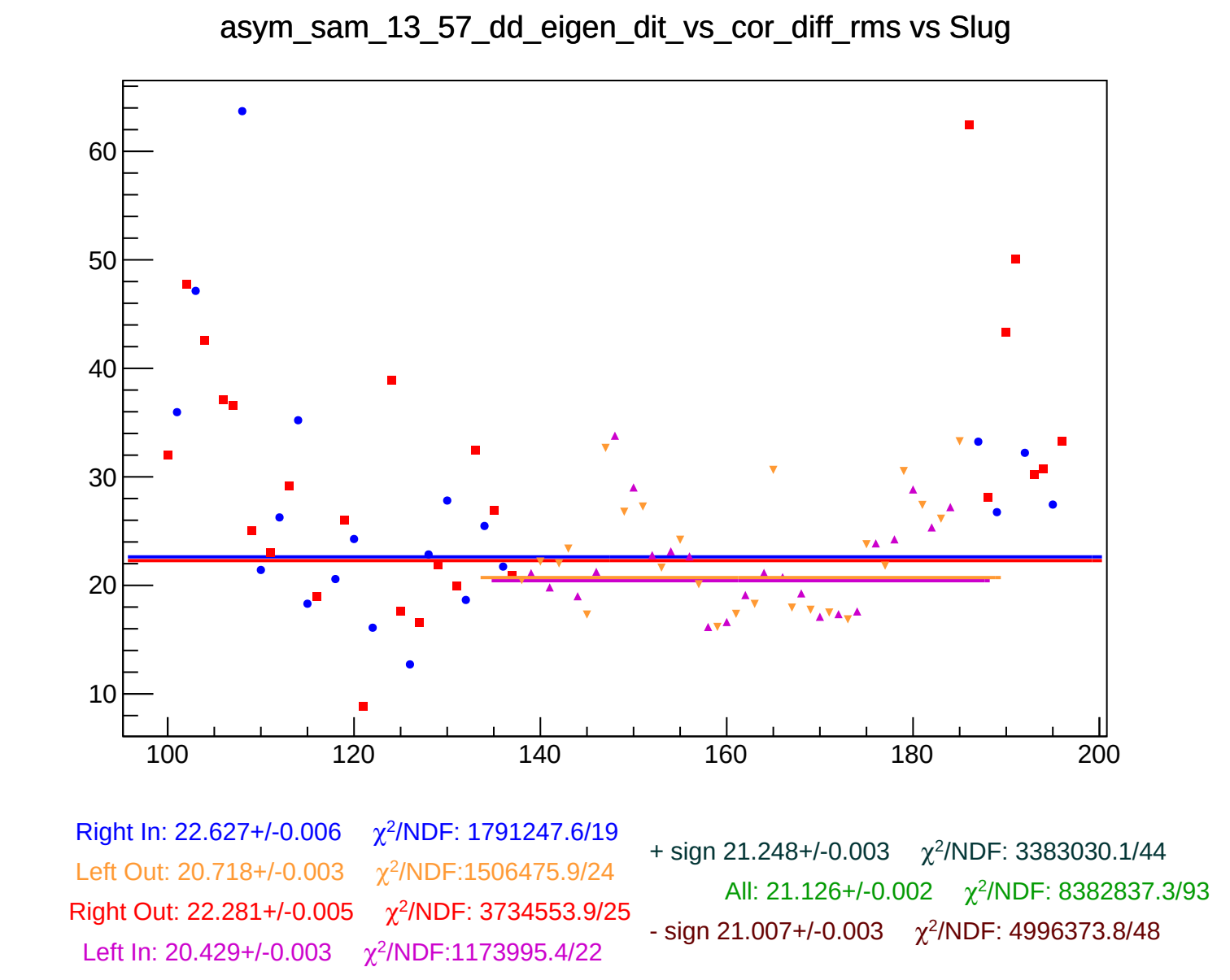
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/44

All: 0.009+/-0.003 χ^2/NDF: 111.5/93

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
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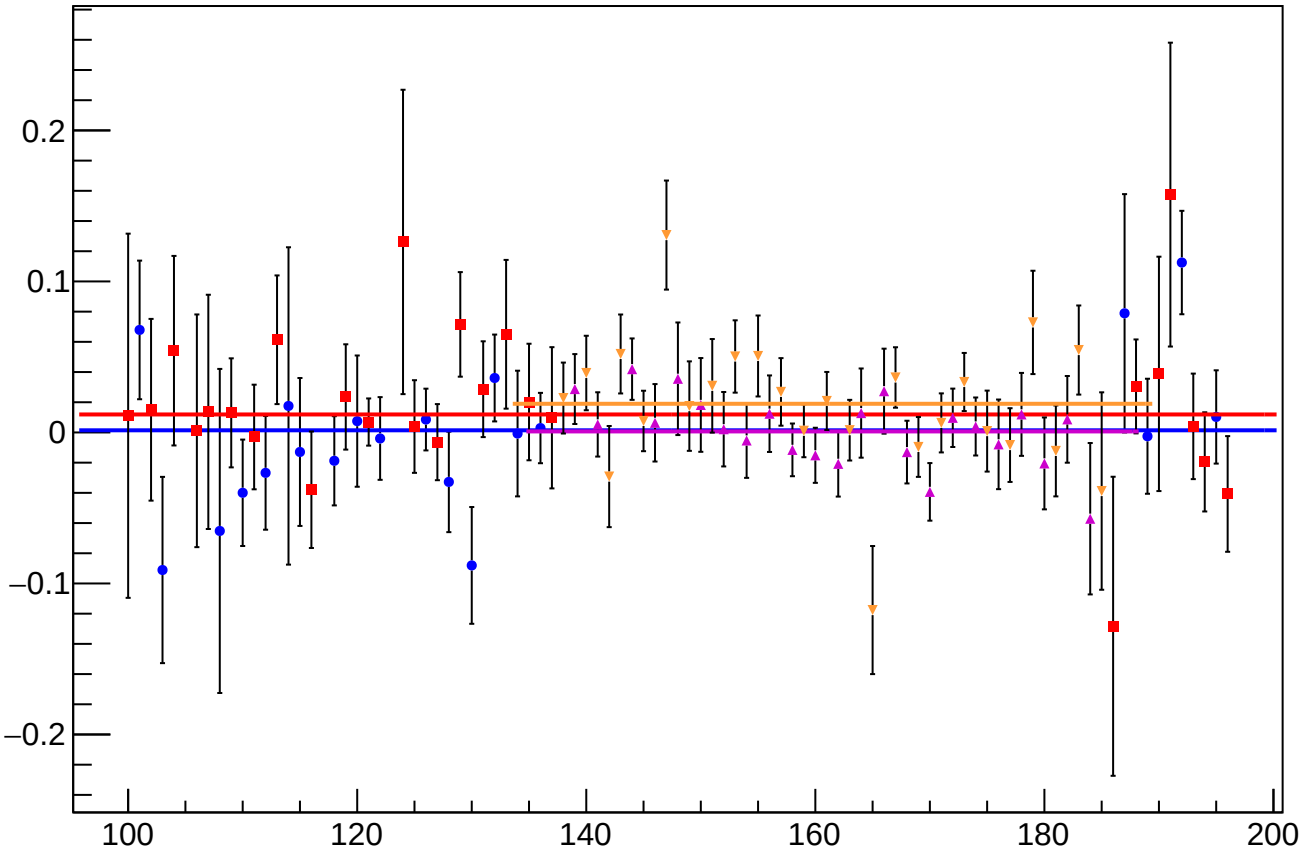
Right In: 22.627+/-0.006 χ2/NDF: 1791247.6/19
Left Out: 20.718+/-0.003 χ2/NDF:1506475.9/24
Right Out: 22.281+/-0.005 χ2/NDF: 3734553.9/25
Left In: 20.429+/-0.003 χ2/NDF:1173995.4/22
+ sign 21.248+/-0.003 χ2/NDF: 3383030.1/44
All: 21.126+/-0.002 χ2/NDF: 8382837.3/93
- sign 21.007+/-0.003 χ2/NDF: 4996373.8/48



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

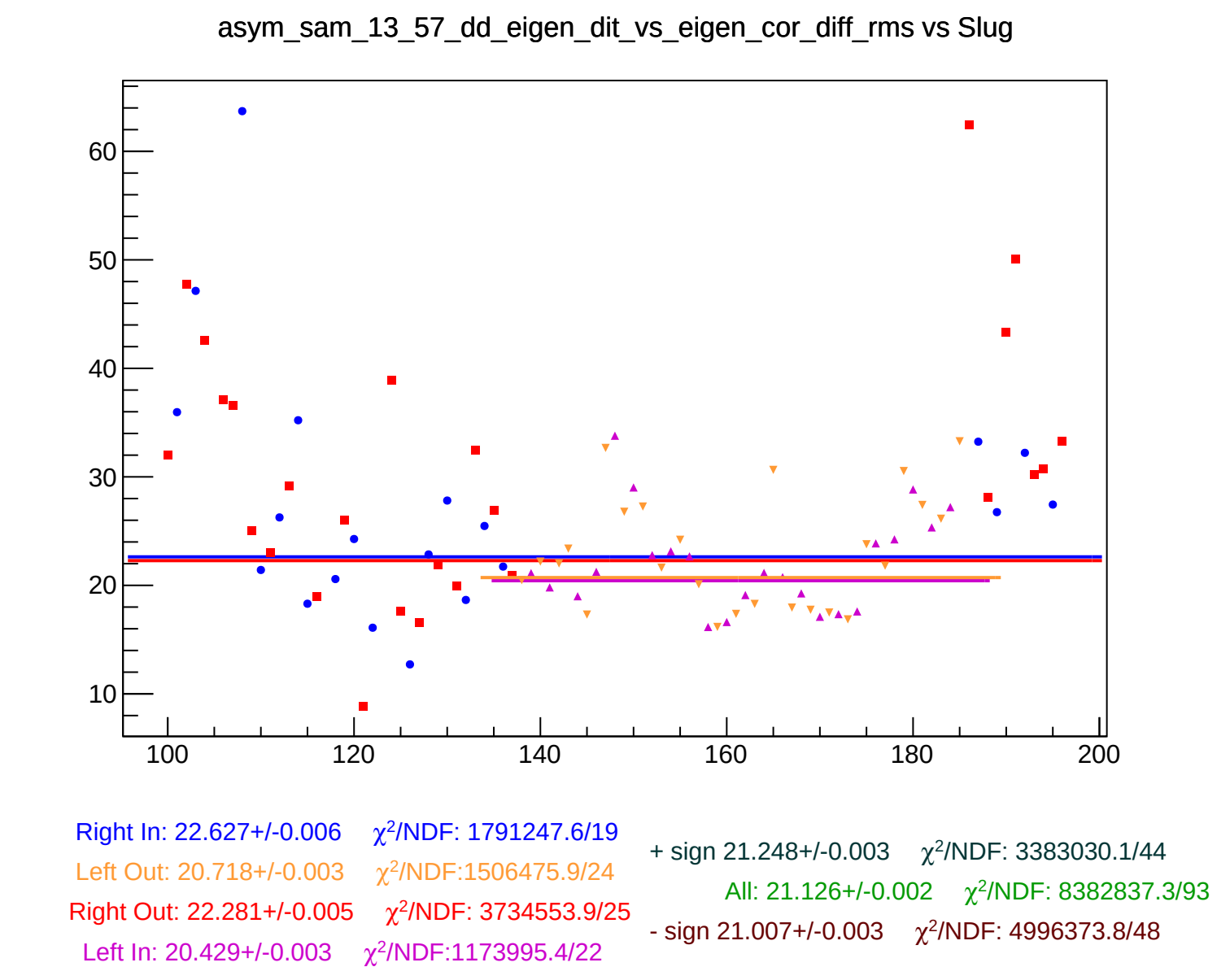
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/44

All: 0.009+/-0.003 χ^2/NDF: 111.5/93

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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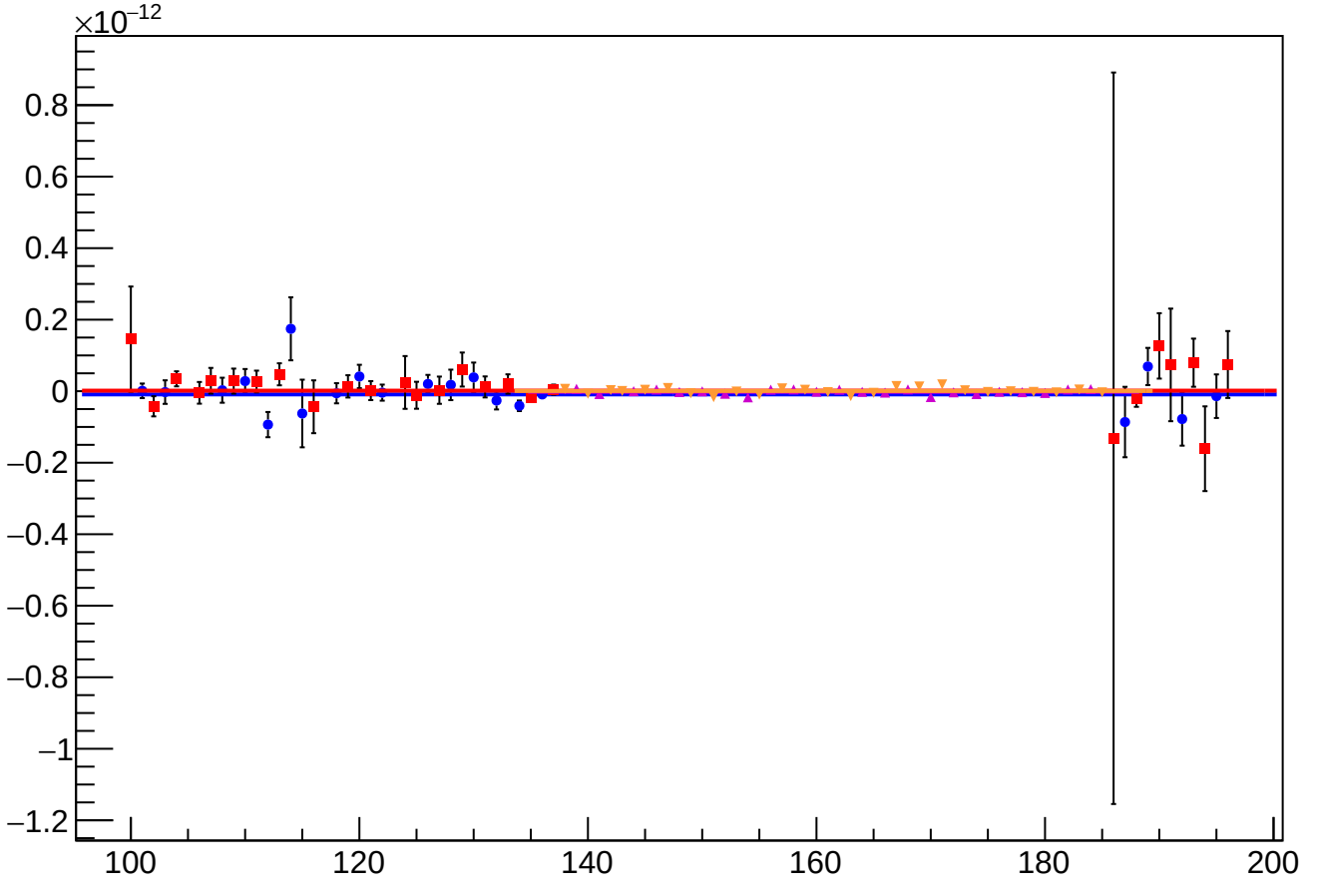
Right In: 22.627+/-0.006 χ²/NDF: 1791247.6/19
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 22.281+/-0.005 χ²/NDF: 3734553.9/25
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 21.248+/-0.003 χ²/NDF: 3383030.1/44
All: 21.126+/-0.002 χ²/NDF: 8382837.3/93
- sign 21.007+/-0.003 χ²/NDF: 4996373.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

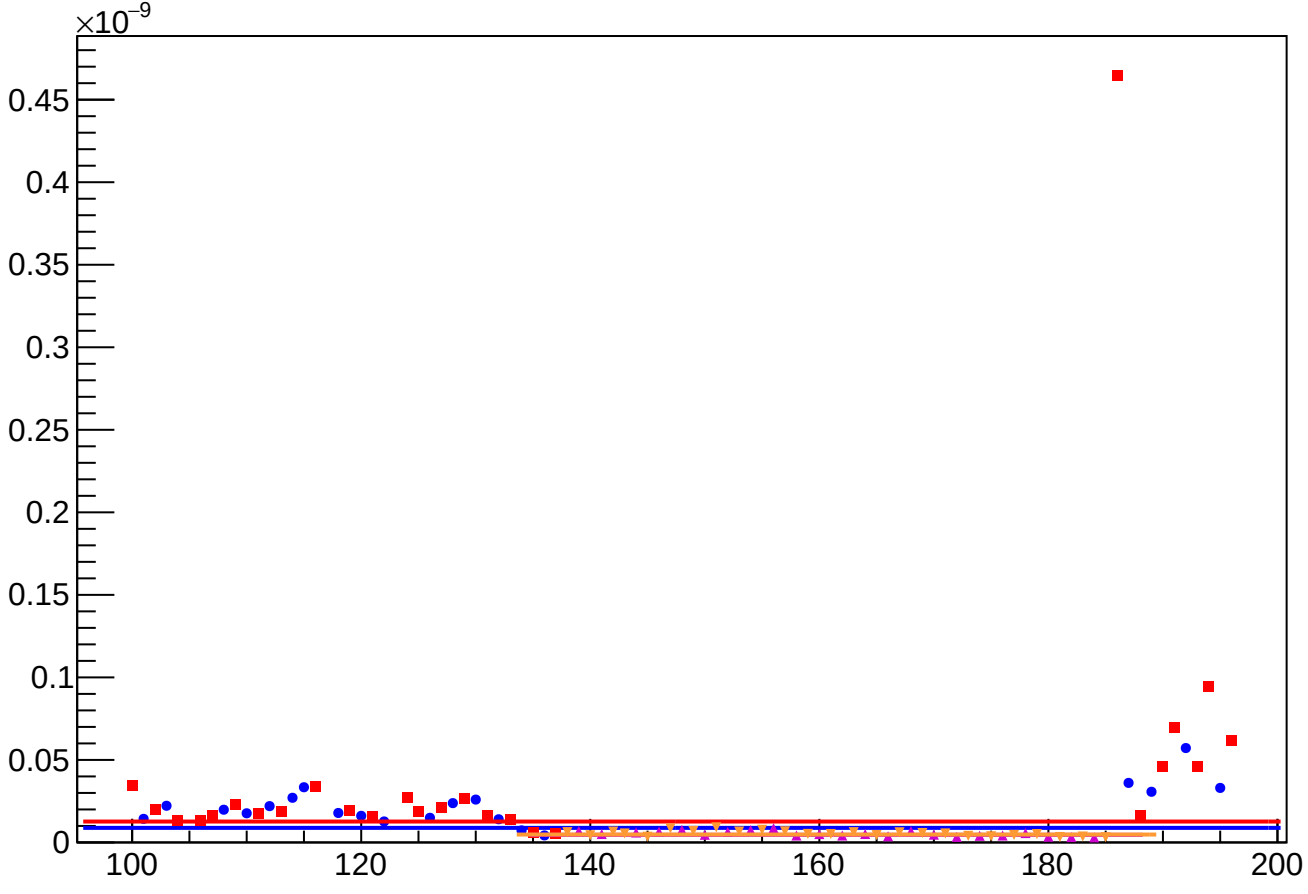
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/44

All: -0.000+/-0.000 χ^2/NDF: 104.8/93

- sign -0.000+/-0.000 χ^2/NDF: 44.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 5424903.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5650788.2/25

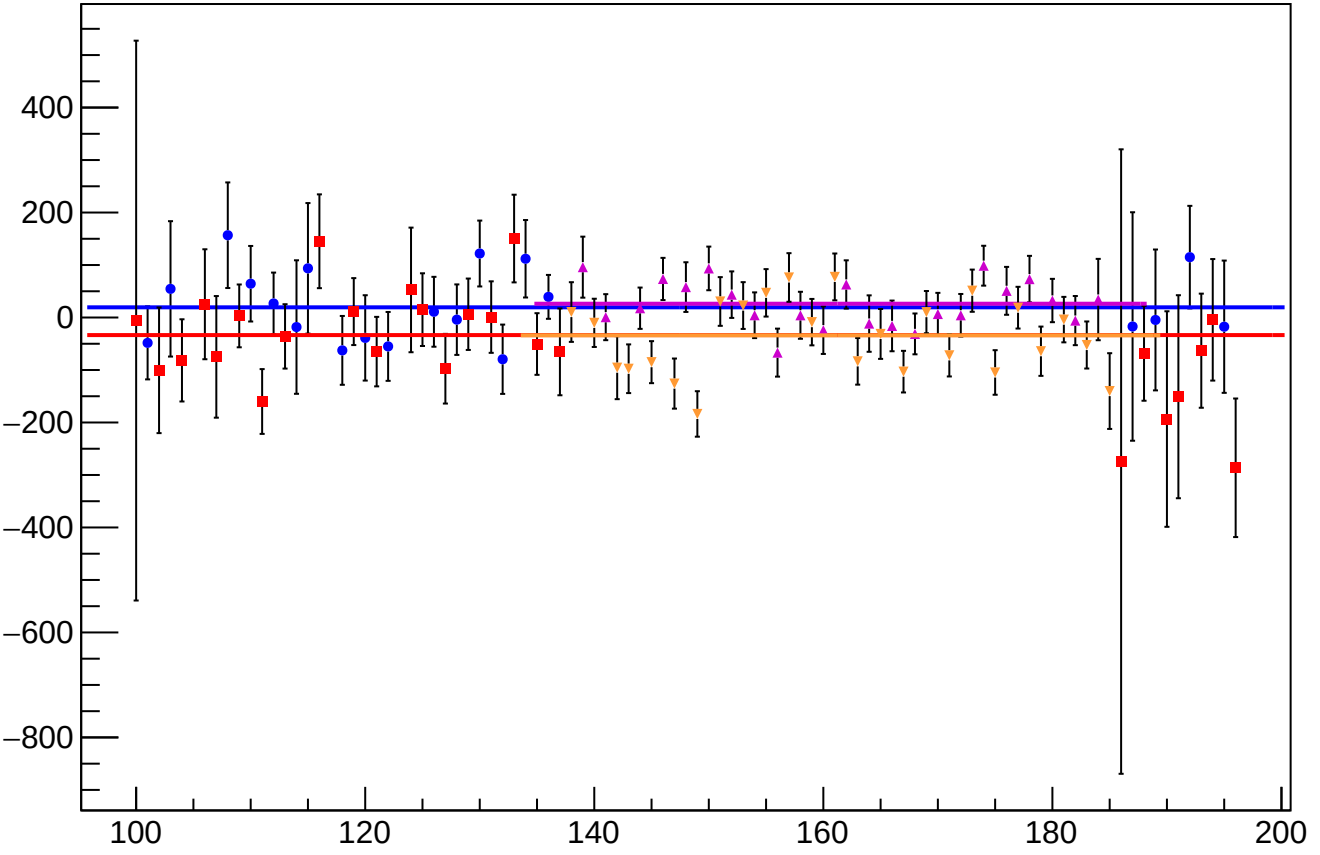
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9060237.3/44

All: 0.000+/-0.000 χ^2/NDF: 20727534.4/93

- sign 0.000+/-0.000 χ^2/NDF: 11665244.8/48

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 19.403+/-16.853 χ^2/NDF: 15.1/19

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.476+/-16.397 χ^2/NDF: 23.2/25

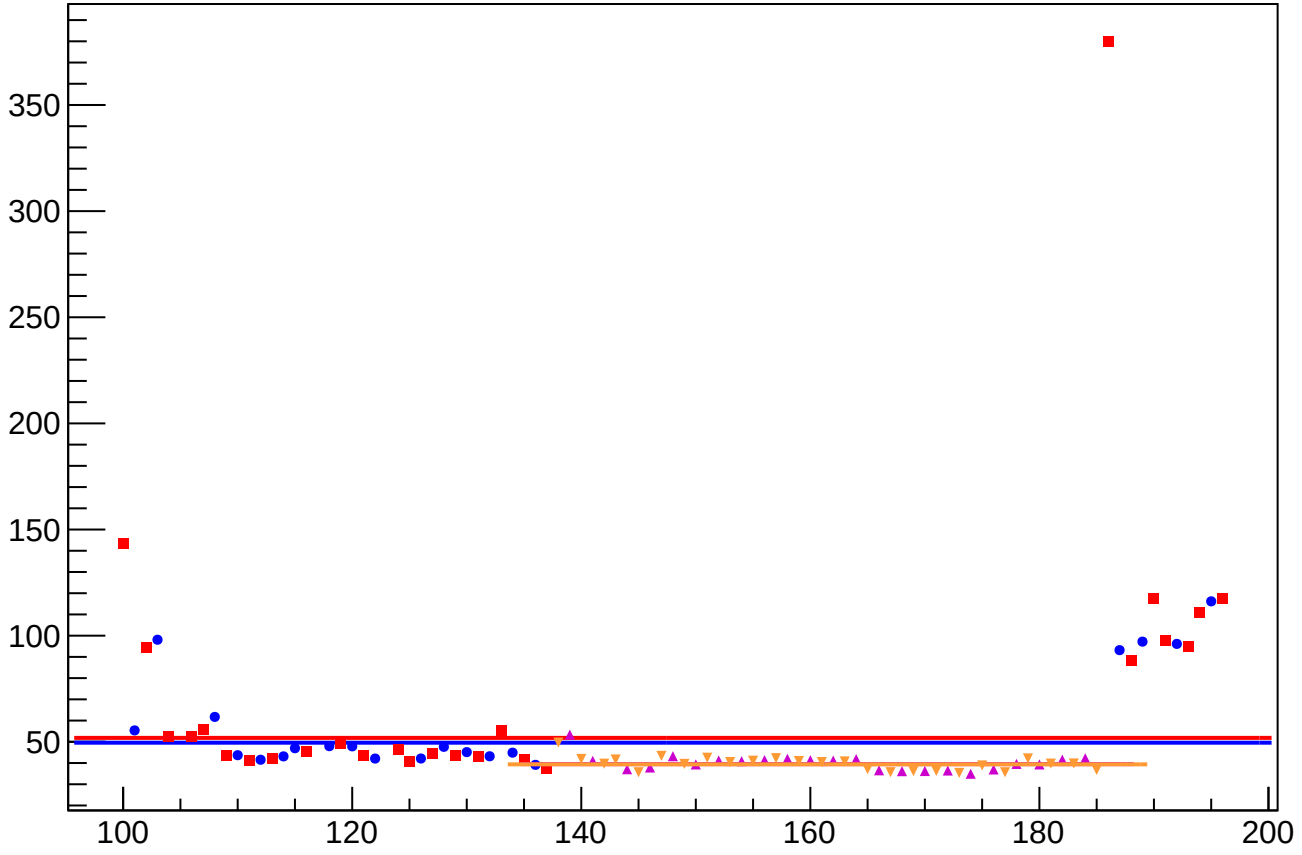
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.129+/-7.934 χ^2/NDF: 81.6/44

All: -5.457+/-5.658 χ^2/NDF: 146.3/93

- sign 11.793+/-8.071 χ^2/NDF: 55.7/48

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 49.582+/-0.012 χ^2/NDF: 1943179.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 51.849+/-0.012 χ^2/NDF: 3354155.1/25

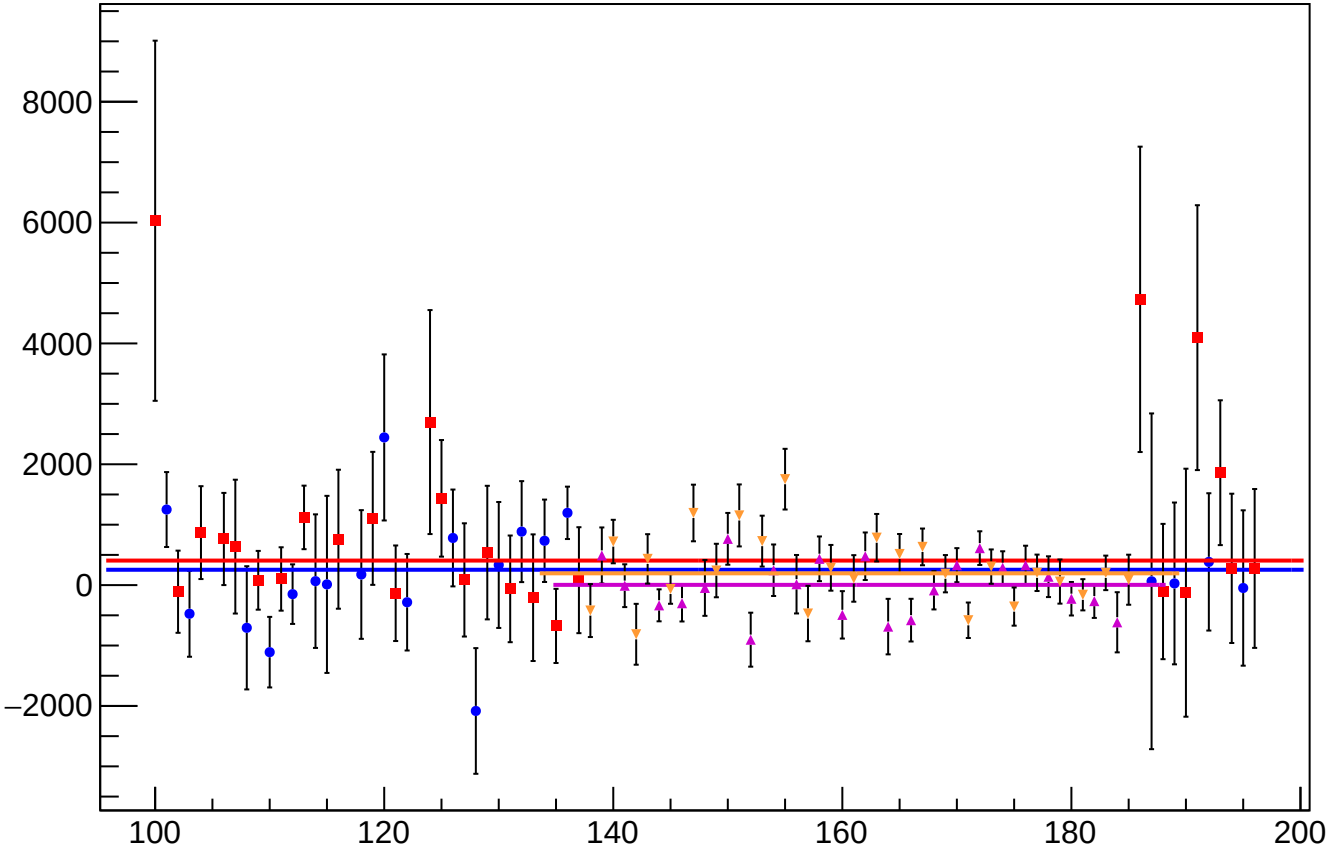
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742184.7/44

All: 42.057+/-0.004 χ^2/NDF: 7220083.7/93

- sign 42.485+/-0.006 χ^2/NDF: 4466841.4/48

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 253.964+/-178.976 χ^2/NDF: 25.1/19

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 406.215+/-171.596 χ^2/NDF: 22.6/25

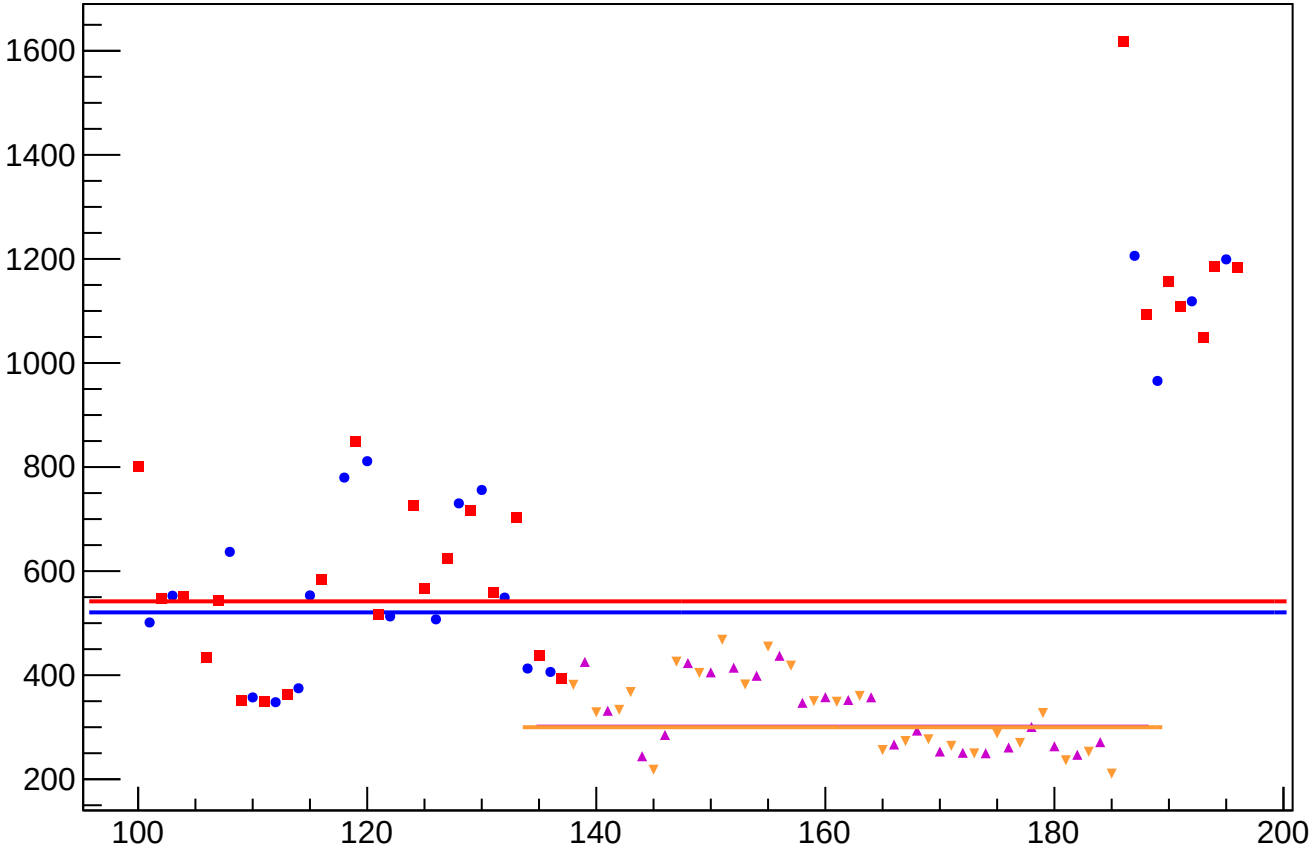
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.702+/-46.538 χ^2/NDF: 135.6/93

- sign 64.197+/-66.377 χ^2/NDF: 59.6/48

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 520.695+/-0.127 χ^2/NDF: 2506162.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 541.888+/-0.121 χ^2/NDF: 3811391.7/25

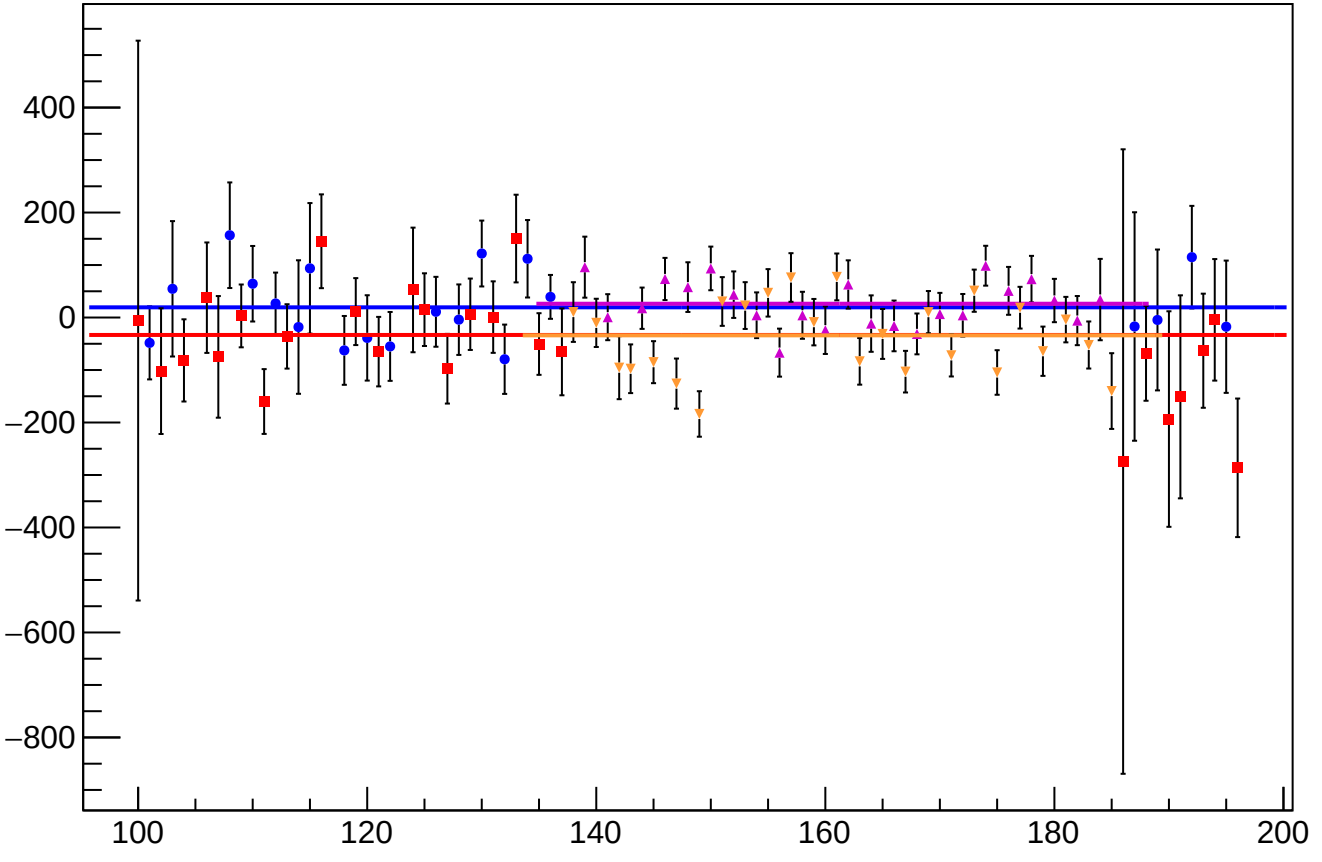
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951856.9/44

All: 333.121+/-0.033 χ^2/NDF: 15535819.8/93

- sign 337.044+/-0.047 χ^2/NDF: 8570218.8/48

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 19.408+/-16.853 χ^2/NDF: 15.1/19

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.216+/-16.399 χ^2/NDF: 23.3/25

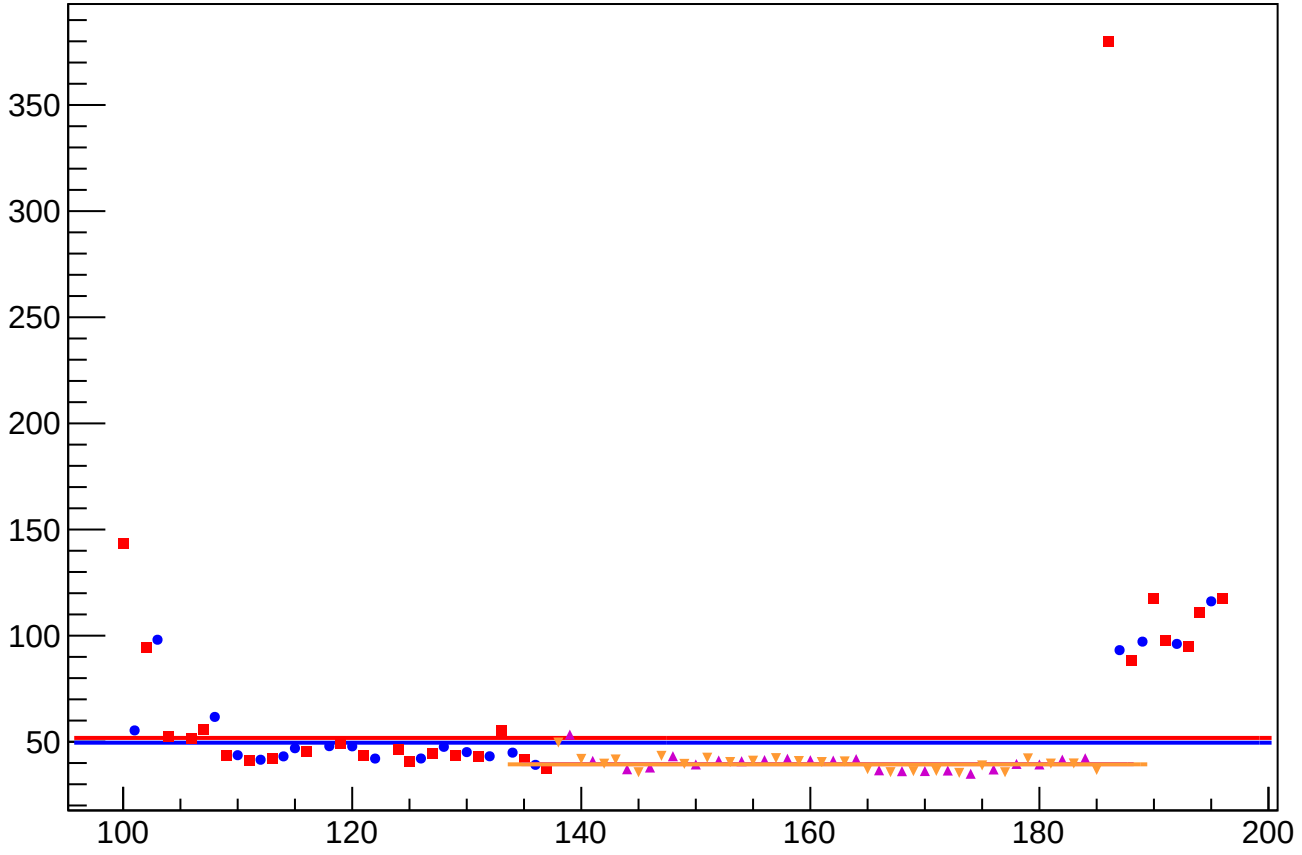
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.127+/-7.934 χ^2/NDF: 81.6/44

All: -5.424+/-5.658 χ^2/NDF: 146.4/93

- sign 11.858+/-8.071 χ^2/NDF: 55.8/48

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 49.582+/-0.012 χ^2/NDF: 1943182.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

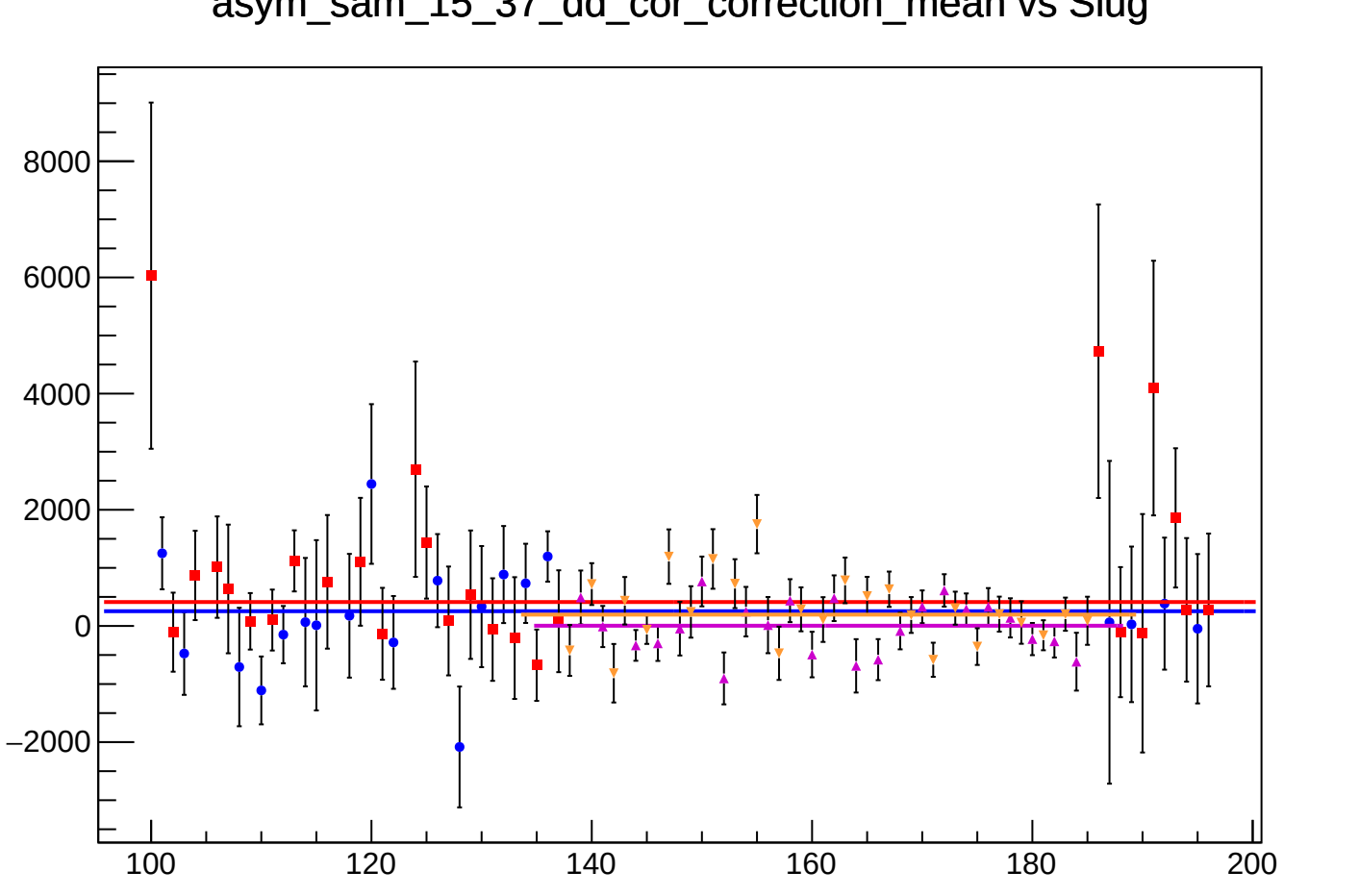
Right Out: 51.829+/-0.012 χ^2/NDF: 3354312.5/25

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742187.6/44

All: 42.054+/-0.004 χ^2/NDF: 7217174.8/93

- sign 42.480+/-0.006 χ^2/NDF: 4464070.3/48



Right In: 253.968+/-178.977 χ^2/NDF: 25.1/19

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 411.891+/-172.640 χ^2/NDF: 22.8/25

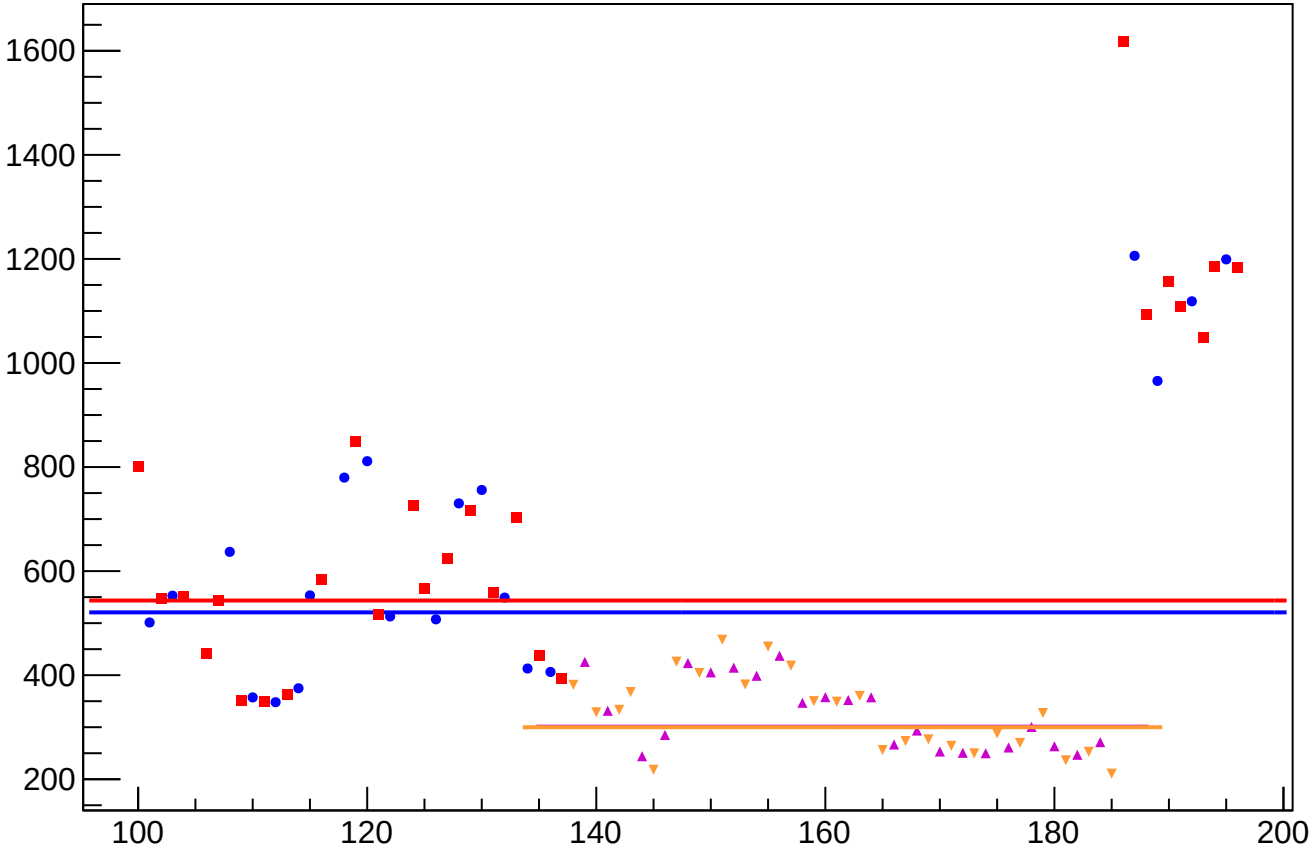
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.874+/-46.559 χ^2/NDF: 135.9/93

- sign 64.419+/-66.437 χ^2/NDF: 59.9/48

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 520.697+/-0.127 χ^2/NDF: 2506179.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 543.505+/-0.122 χ^2/NDF: 3797807.1/25

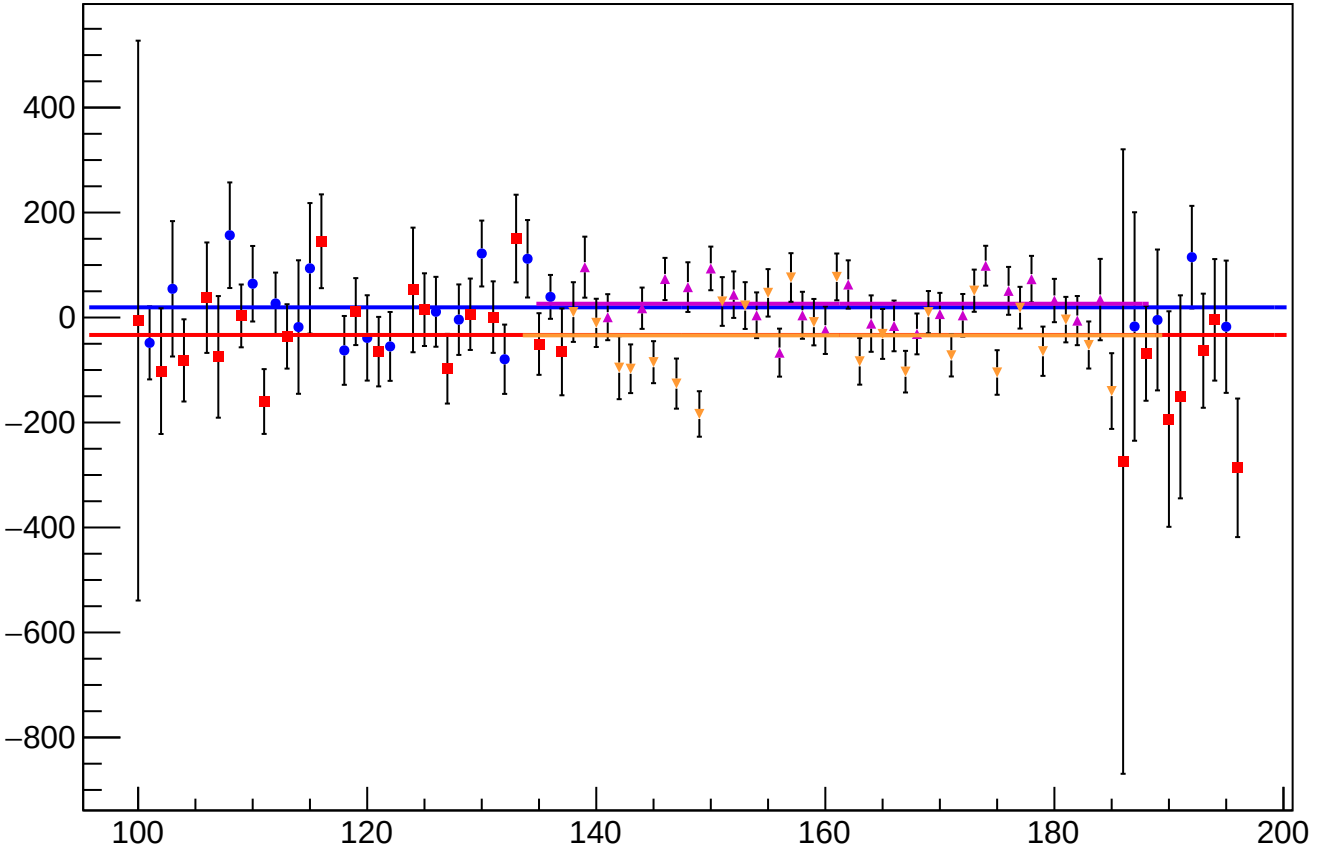
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951900.0/44

All: 333.053+/-0.033 χ^2/NDF: 1553202 9.1/93

- sign 336.913+/-0.047 χ^2/NDF: 8566861.1/48

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 19.408+/-16.853 χ^2/NDF: 15.1/19

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.216+/-16.399 χ^2/NDF: 23.3/25

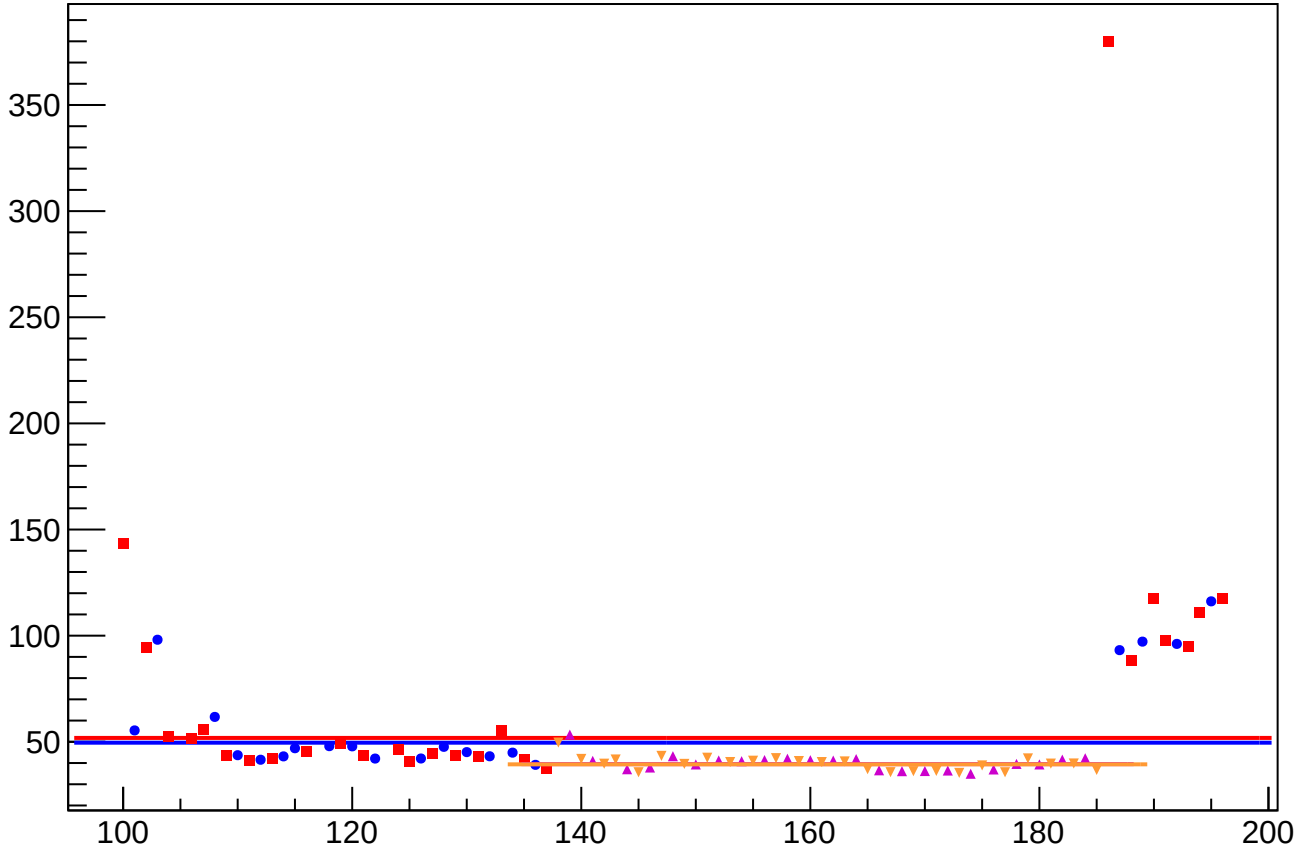
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.127+/-7.934 χ^2/NDF: 81.6/44

All: -5.424+/-5.658 χ^2/NDF: 146.4/93

- sign 11.858+/-8.071 χ^2/NDF: 55.8/48

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 49.582+/-0.012 χ^2/NDF: 1943182.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

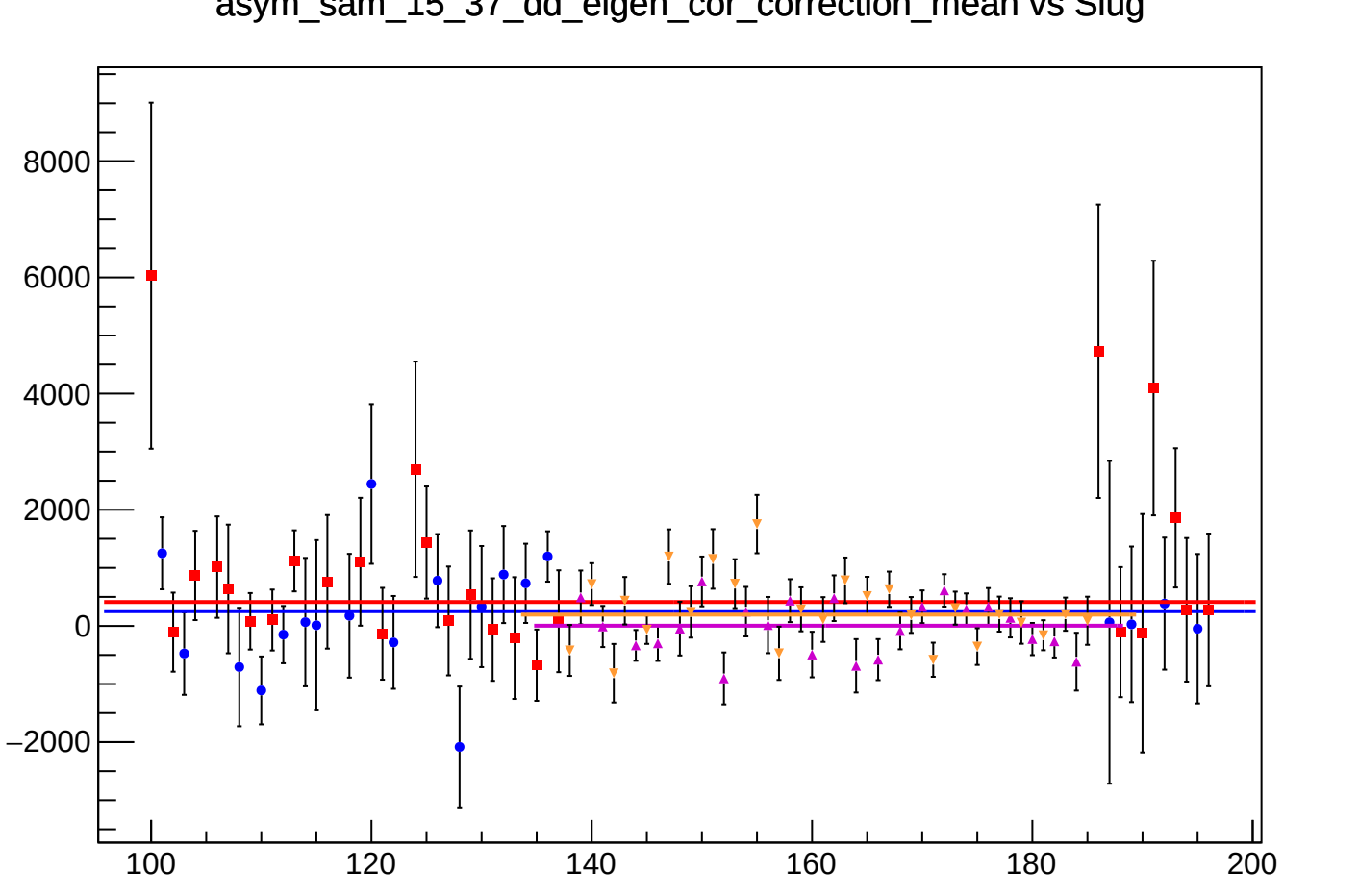
Right Out: 51.829+/-0.012 χ^2/NDF: 3354312.5/25

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742187.6/44

All: 42.054+/-0.004 χ^2/NDF: 7217174.8/93

- sign 42.480+/-0.006 χ^2/NDF: 4464070.3/48



Right In: 253.968+/-178.977 χ^2/NDF: 25.1/19

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

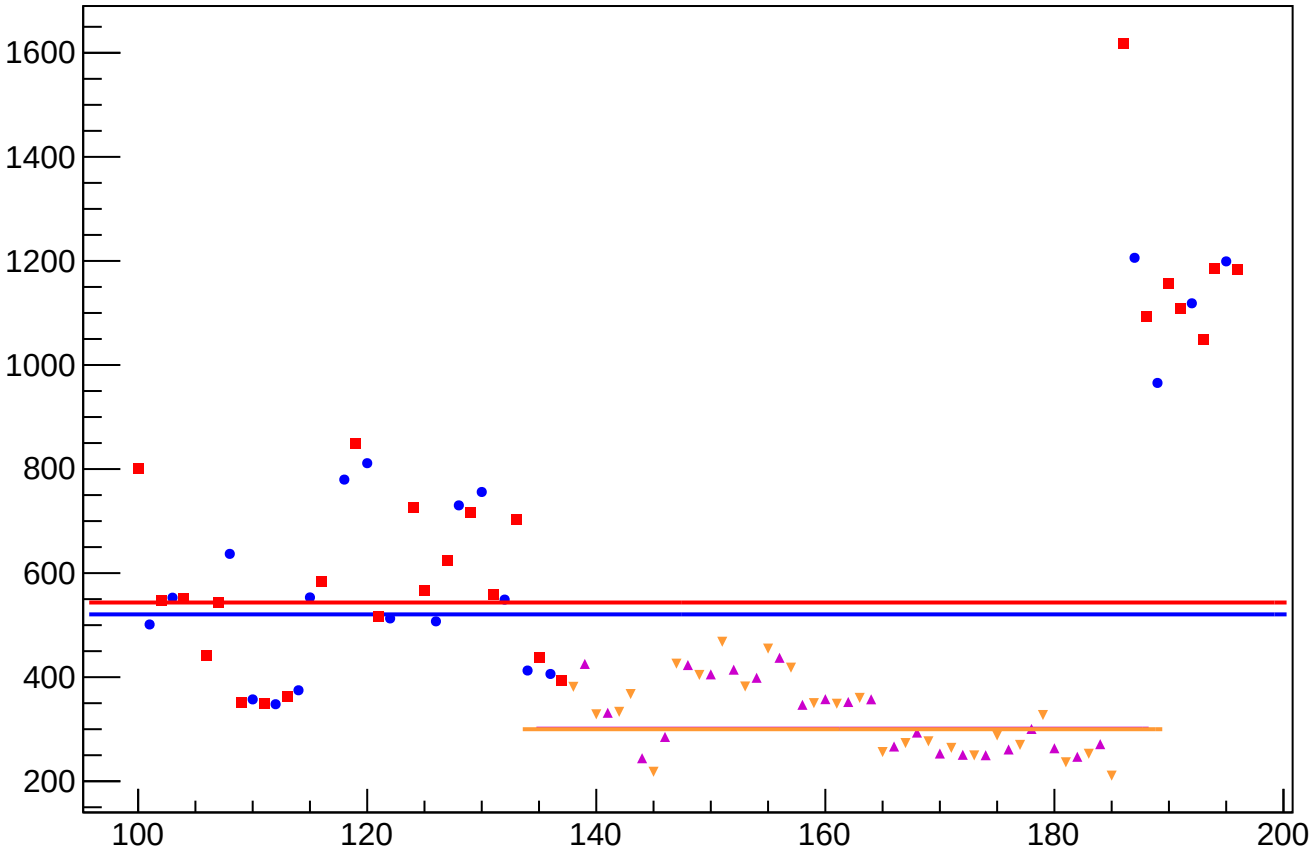
Right Out: 411.891+/-172.640 χ^2/NDF: 22.8/25

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.874+/-46.559 χ^2/NDF: 135.9/93

- sign 64.419+/-66.437 χ^2/NDF: 59.9/48



Right In: 520.697+/-0.127 χ^2/NDF: 2506179.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 543.505+/-0.122 χ^2/NDF: 3797807.1/25

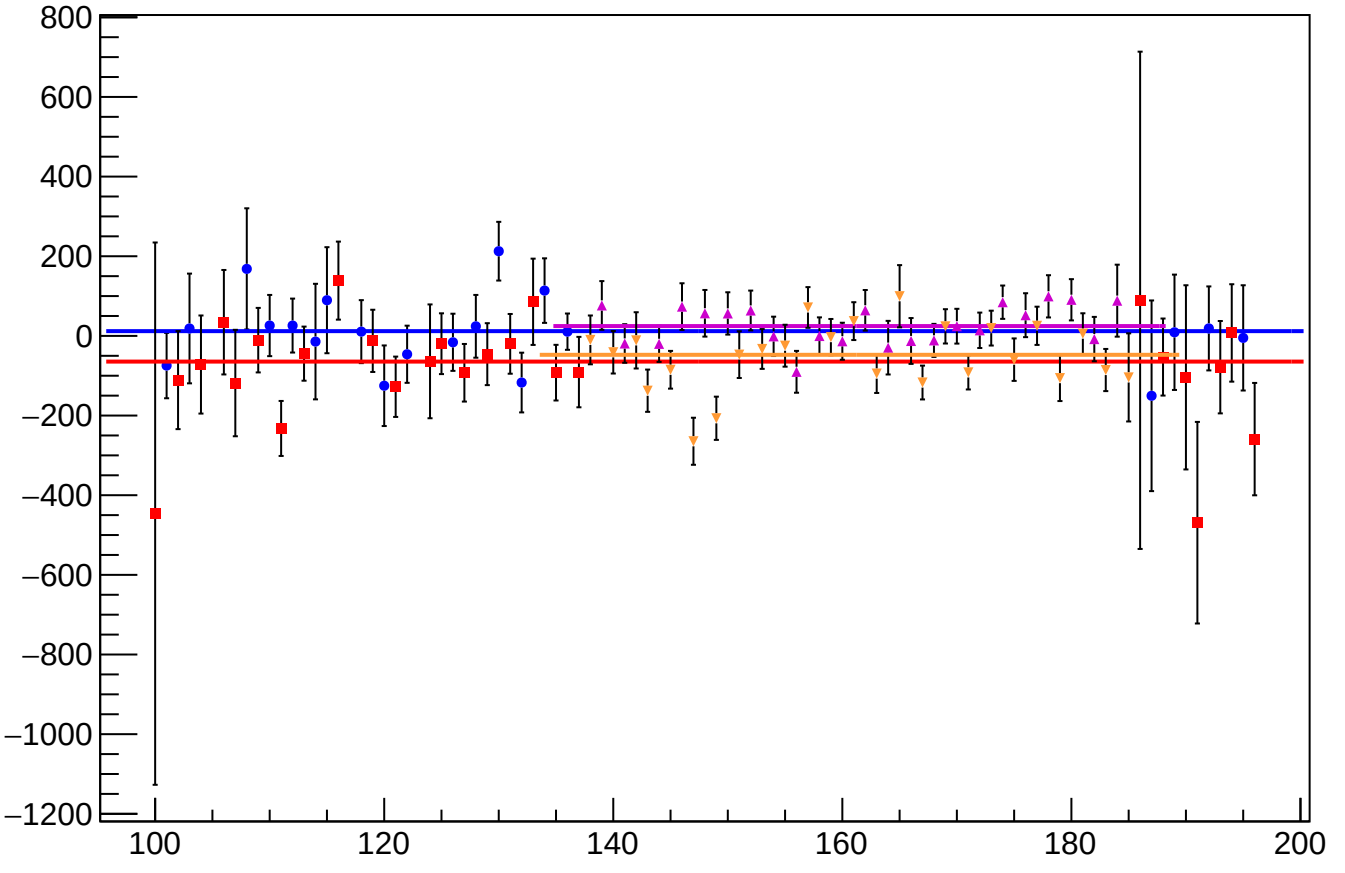
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951900.0/44

All: 333.053+/-0.033 χ^2/NDF: 1553202 9.1/93

- sign 336.913+/-0.047 χ^2/NDF: 8566861.1/48

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 11.956+/-19.068 χ^2/NDF: 17.7/19

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -64.501+/-18.974 χ^2/NDF: 21.1/25

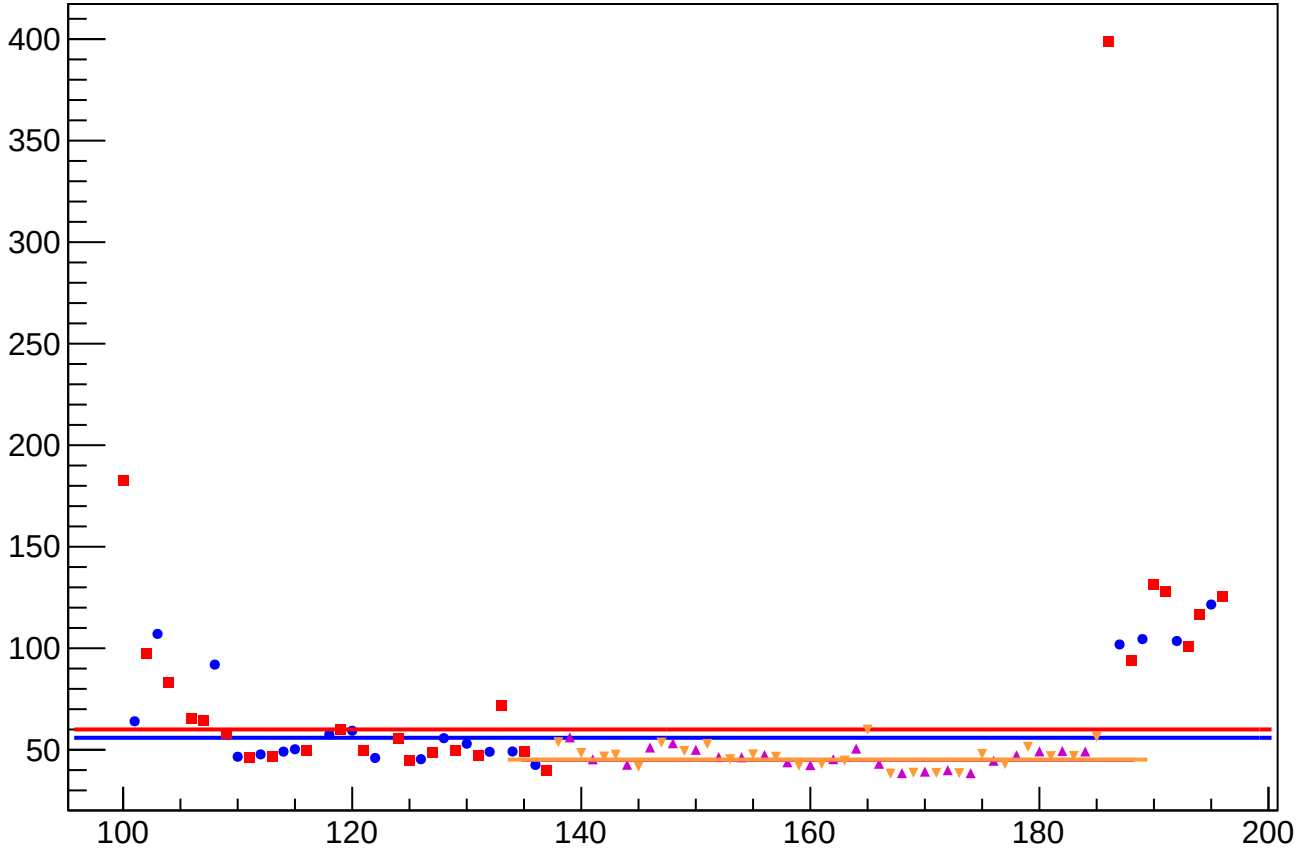
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.868+/-9.125 χ^2/NDF: 79.9/44

All: -15.630+/-6.511 χ^2/NDF: 145.6/93

- sign 3.289+/-9.294 χ^2/NDF: 57.6/48

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 55.905+/-0.013 χ^2/NDF: 1966686.8/19

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 60.020+/-0.013 χ^2/NDF: 3236360.7/25

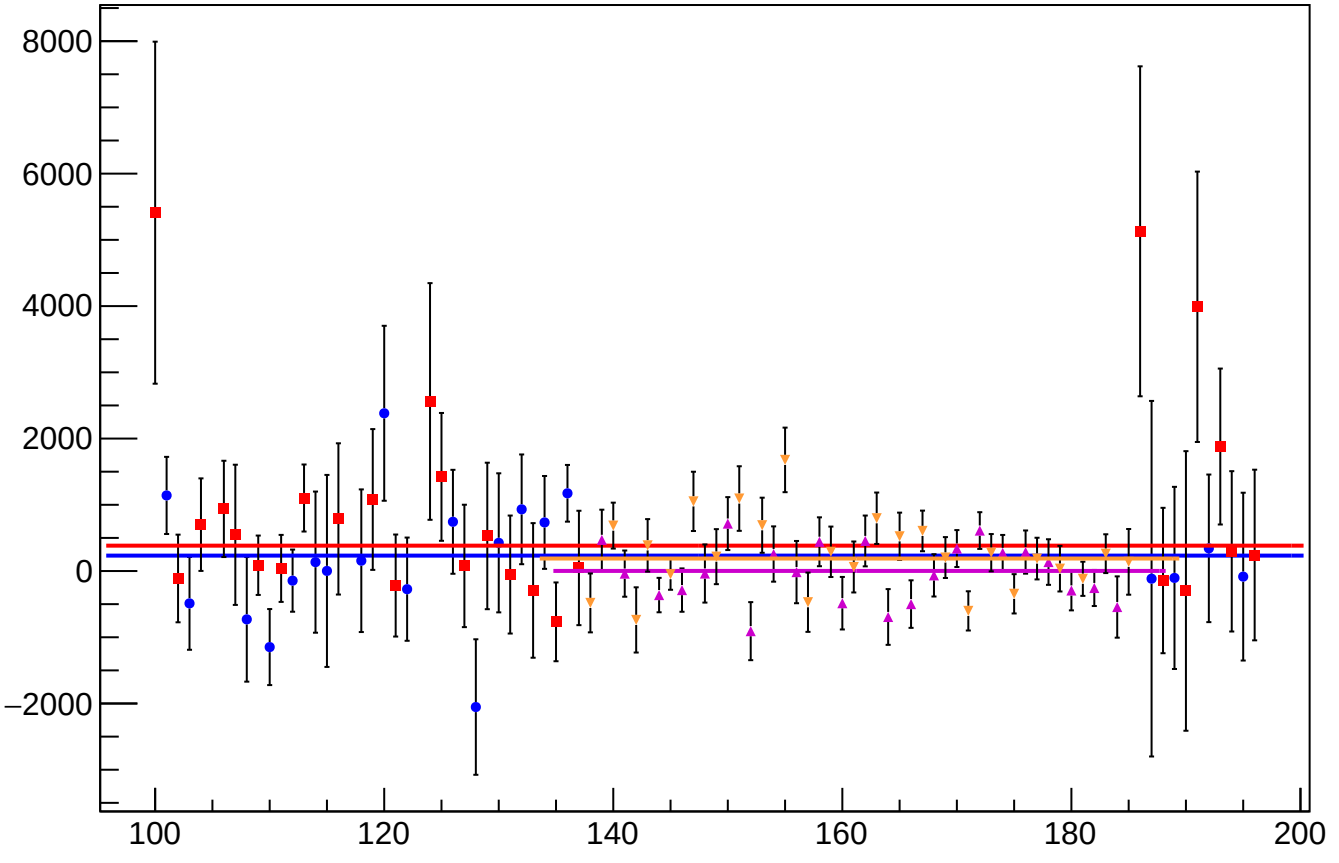
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.632+/-0.006 χ^2/NDF: 2944863.3/44

All: 48.116+/-0.005 χ^2/NDF: 7515741.1/93

- sign 48.617+/-0.007 χ^2/NDF: 4559454.1/48

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 232.843+/-174.972 χ^2/NDF: 25.7/19

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 383.209+/-165.222 χ^2/NDF: 25.3/25

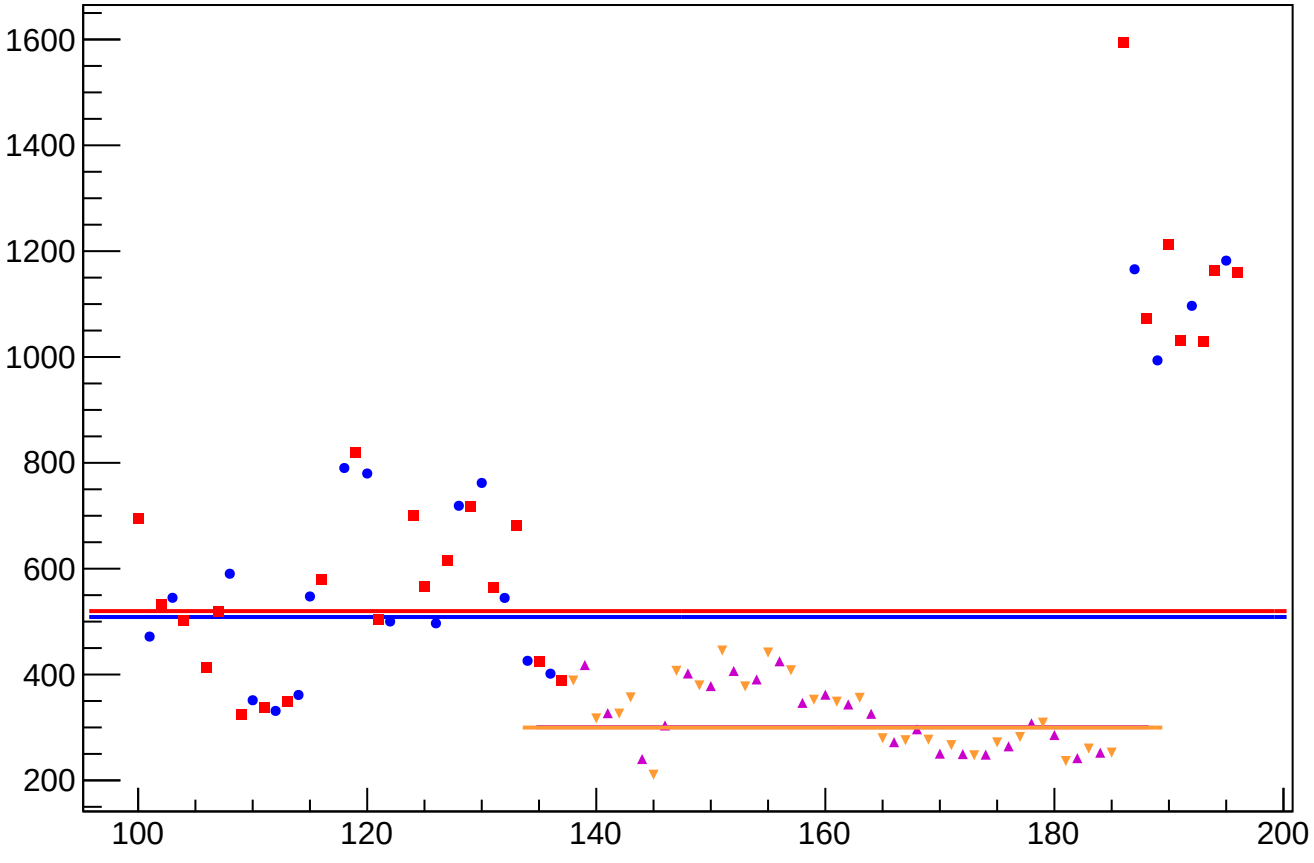
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 194.844+/-64.763 χ^2/NDF: 72.5/44

All: 129.530+/-46.151 χ^2/NDF: 136.6/93

- sign 62.141+/-65.783 χ^2/NDF: 62.0/48

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 508.665+/-0.124 χ^2/NDF: 2574566.1/19

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 519.856+/-0.117 χ^2/NDF: 4001777.1/25

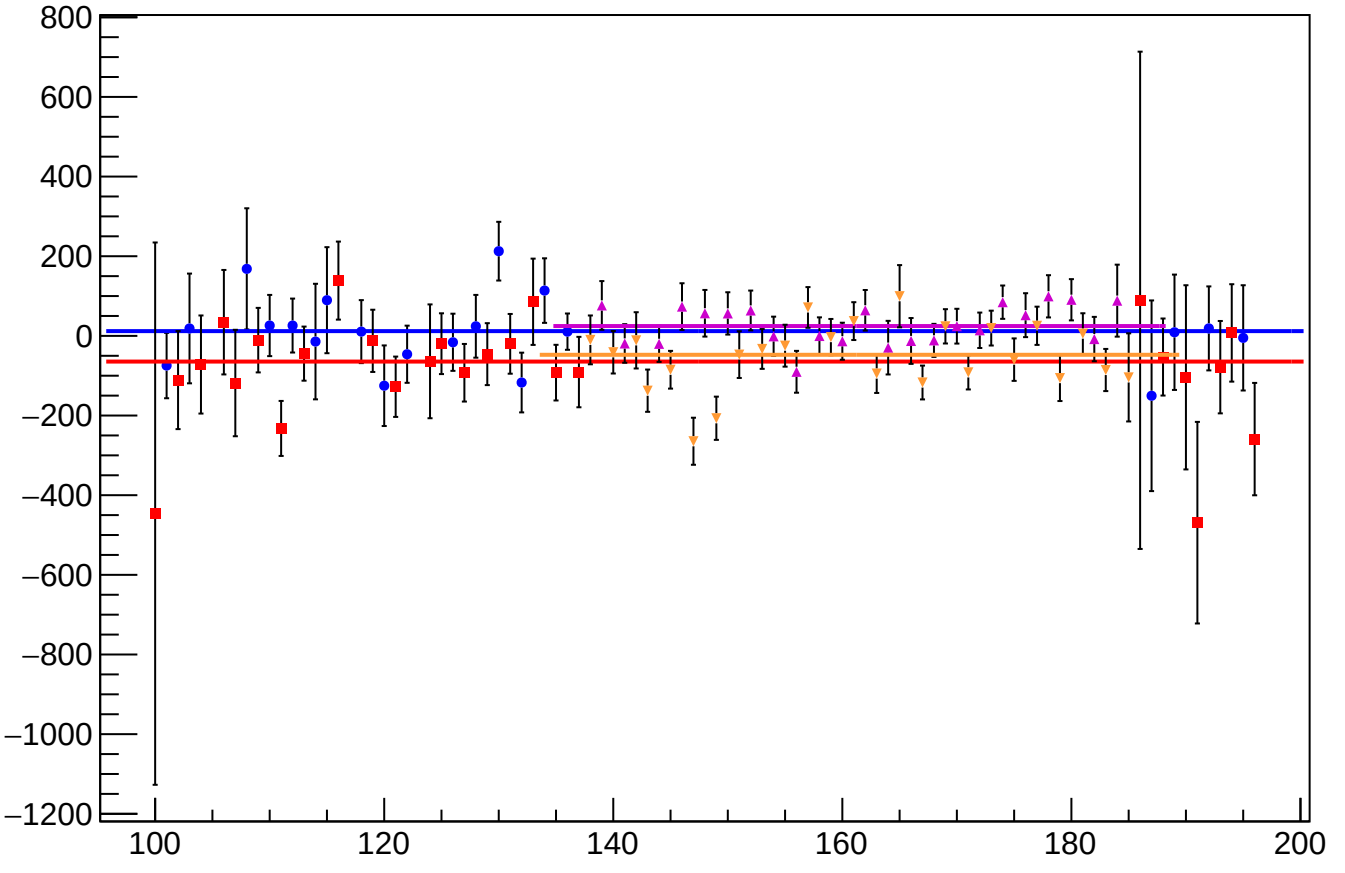
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 328.412+/-0.046 χ^2/NDF: 6611470.3/44

All: 331.807+/-0.033 χ^2/NDF: 14848958.2/93

- sign 335.310+/-0.047 χ^2/NDF: 8226320.2/48

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 11.956+/-19.068 χ^2/NDF: 17.7/19

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -64.502+/-18.974 χ^2/NDF: 21.1/25

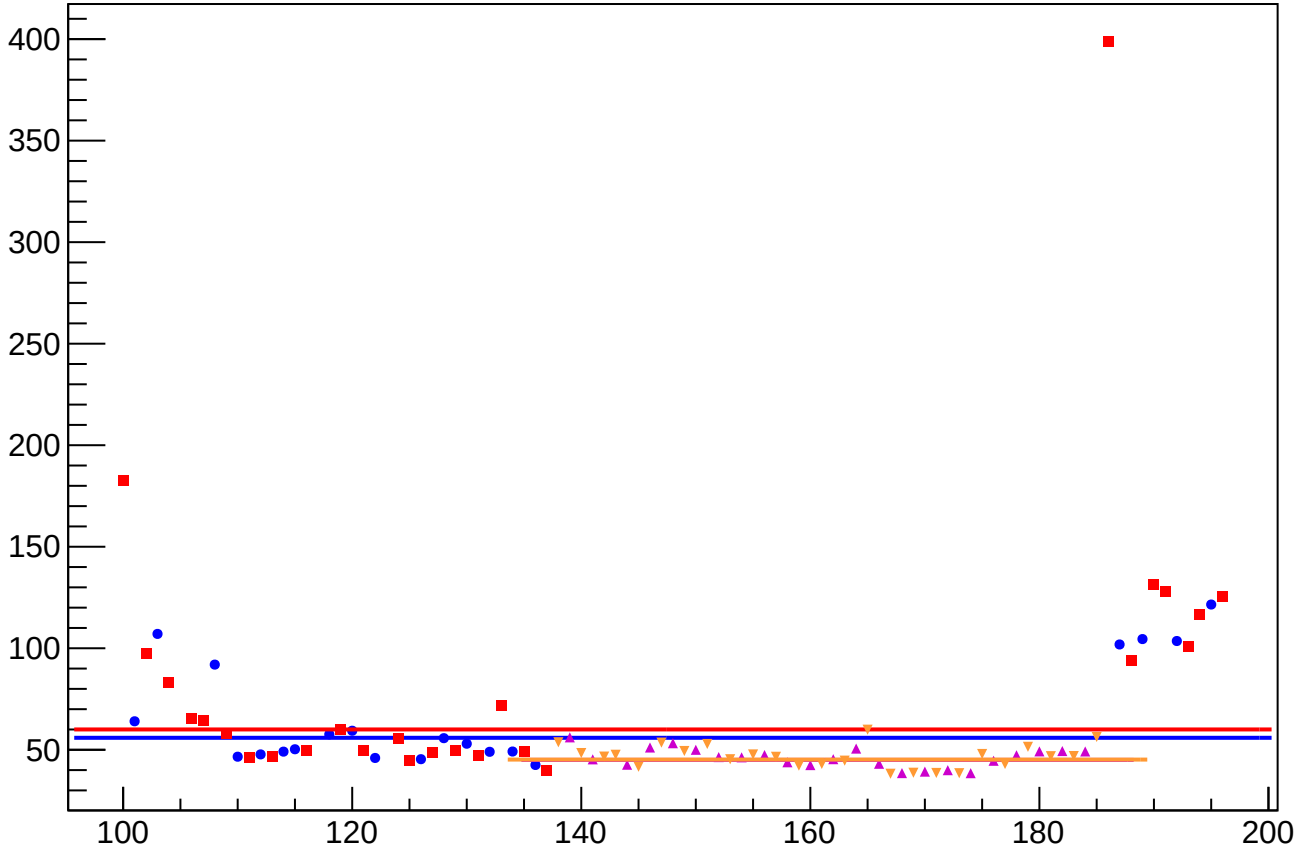
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.868+/-9.125 χ^2/NDF: 79.9/44

All: -15.630+/-6.511 χ^2/NDF: 145.6/93

- sign 3.289+/-9.294 χ^2/NDF: 57.6/48

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 55.905+/-0.013 χ^2/NDF: 1966695.1/19

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

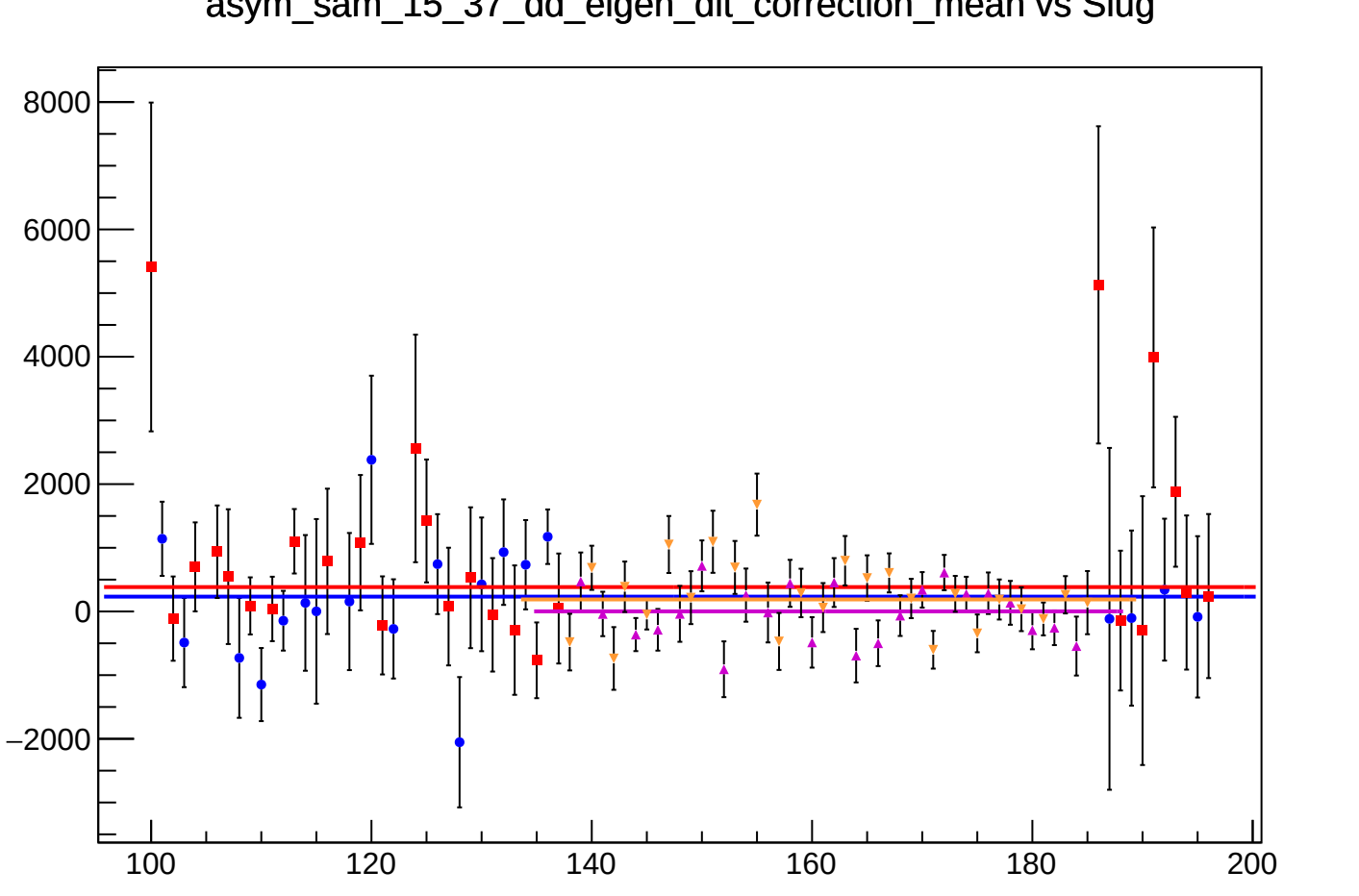
Right Out: 60.020+/-0.013 χ^2/NDF: 3236367.3/25

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.632+/-0.006 χ^2/NDF: 2944872.9/44

All: 48.116+/-0.005 χ^2/NDF: 7515760.6/93

- sign 48.617+/-0.007 χ^2/NDF: 4559463.2/48



Right In: 232.841+/-174.971 χ^2/NDF: 25.7/19

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 383.209+/-165.221 χ^2/NDF: 25.3/25

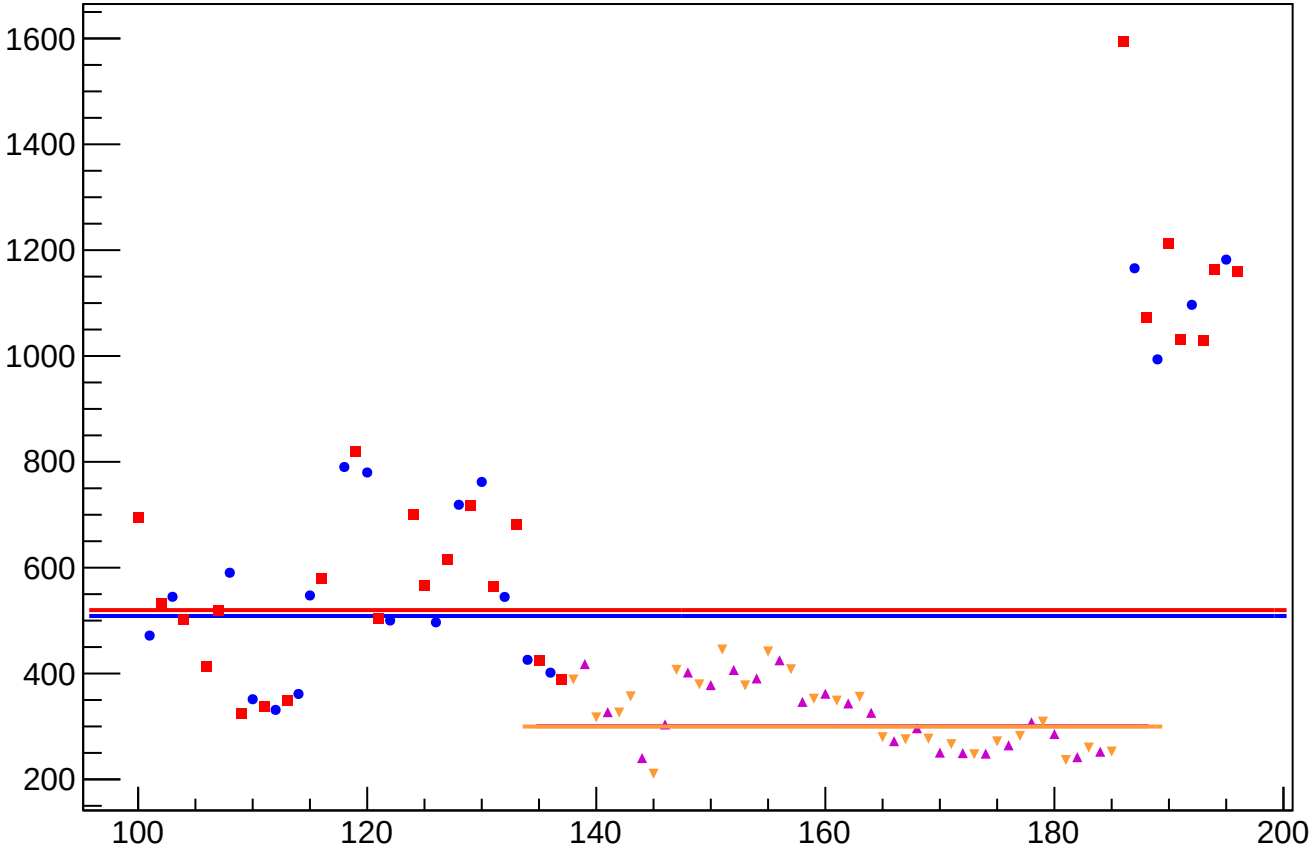
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 194.844+/-64.763 χ^2/NDF: 72.5/44

All: 129.530+/-46.151 χ^2/NDF: 136.6/93

- sign 62.140+/-65.783 χ^2/NDF: 62.0/48

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 508.664+/-0.124 χ^2/NDF: 2574570.8/19

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 519.856+/-0.117 χ^2/NDF: 4001777.8/25

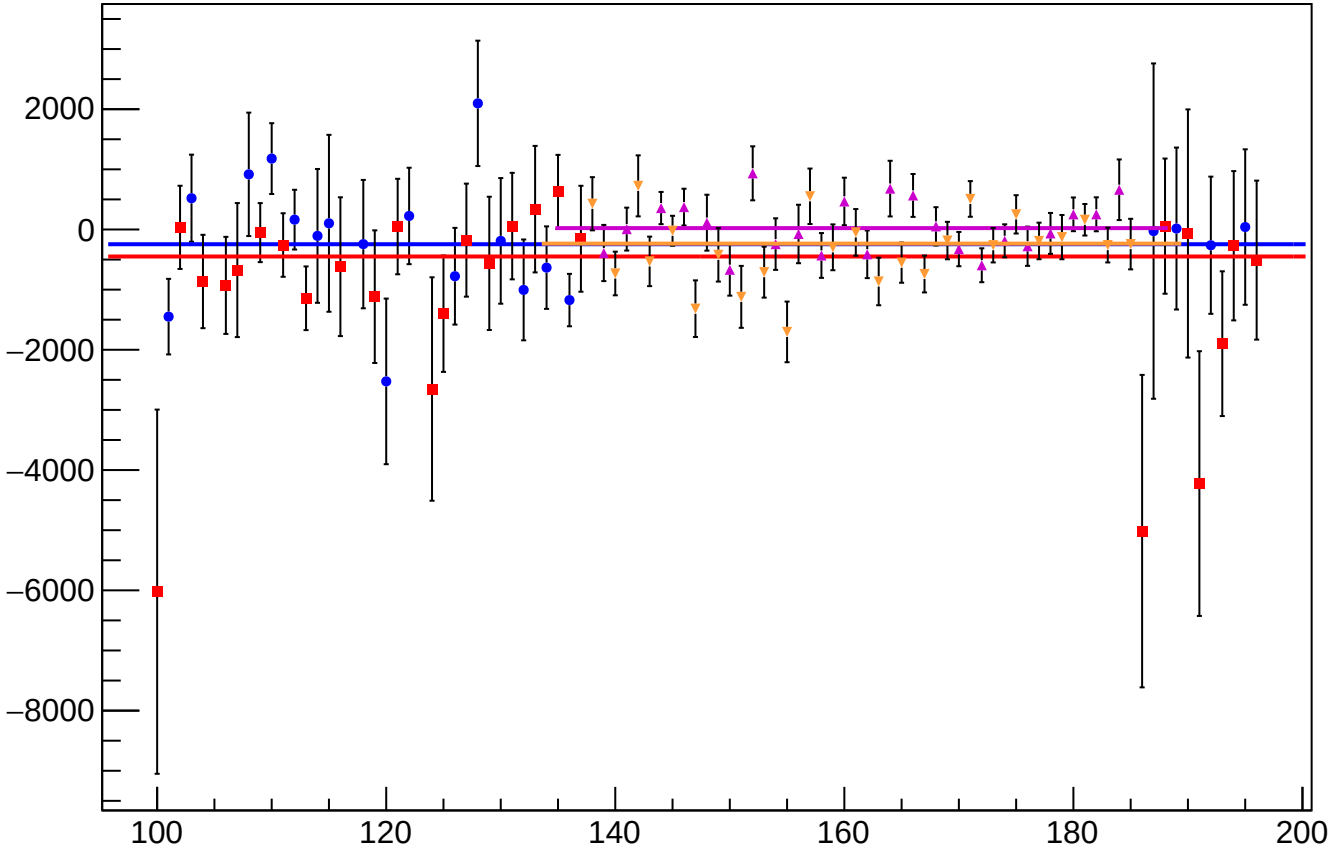
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 328.413+/-0.046 χ^2/NDF: 6611456.5/44

All: 331.808+/-0.033 χ^2/NDF: 14848913.3/93

- sign 335.311+/-0.047 χ^2/NDF: 8226288.4/48

asym_sam_15_37_dd_mean vs Slug



Right In: -245.266+/-180.159 χ^2/NDF: 27.0/19

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -449.157+/-173.128 χ^2/NDF: 22.1/25

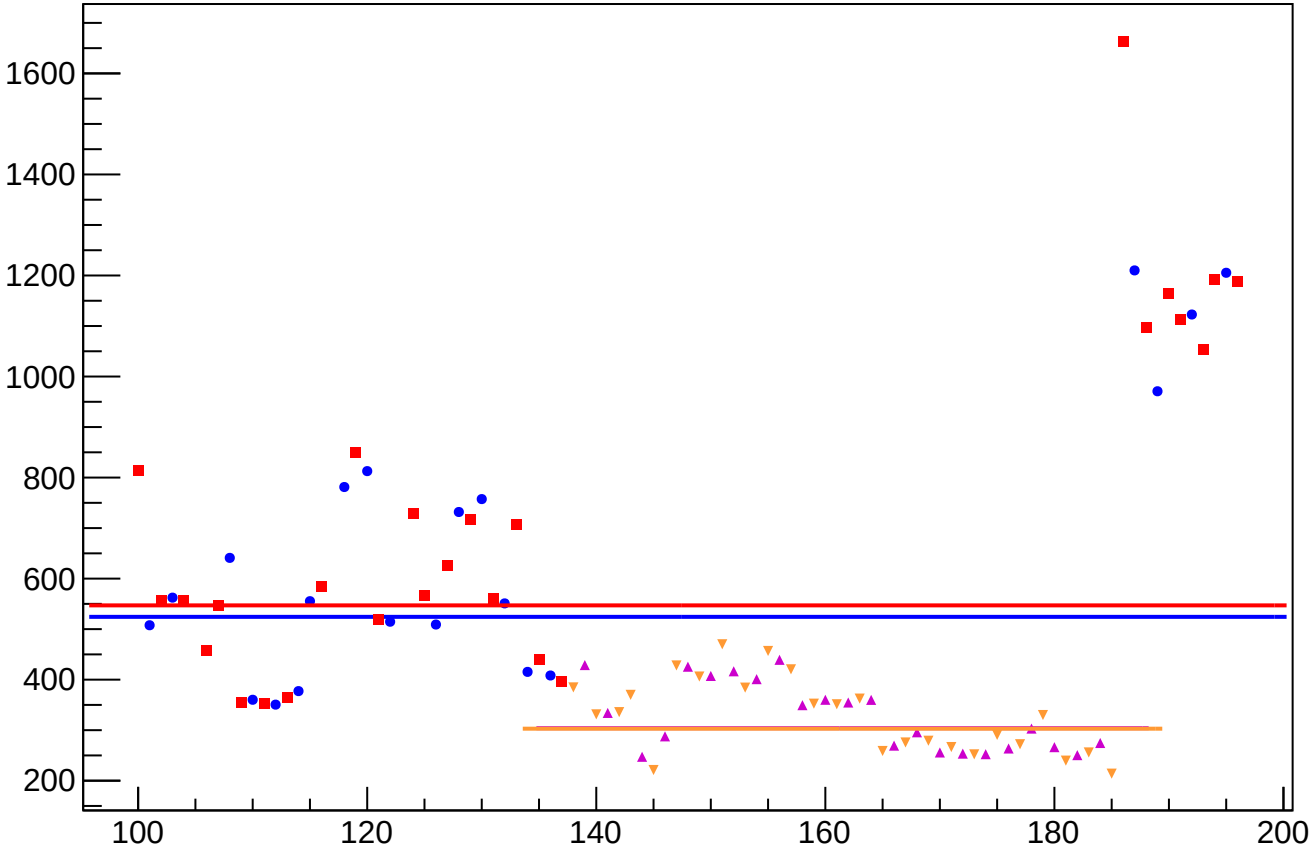
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -236.517+/-65.847 χ^2/NDF: 74.5/44

All: -143.858+/-46.958 χ^2/NDF: 136.8/93

- sign -47.968+/-66.985 χ^2/NDF: 58.3/48

asym_sam_15_37_dd_rms vs Slug



Right In: 524.315+/-0.127 χ^2/NDF: 2494047.7/19

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

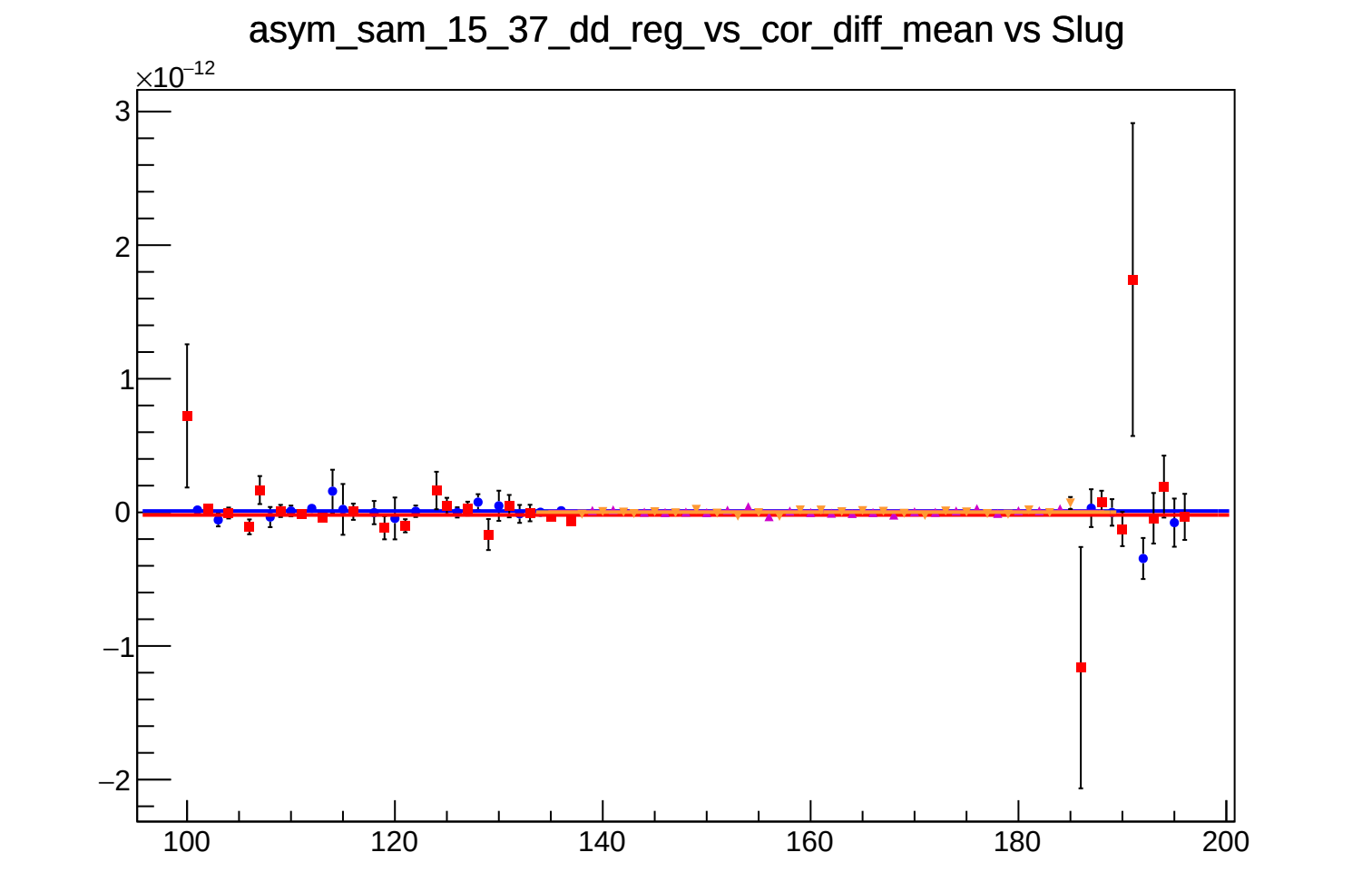
Right Out: 547.029+/-0.122 χ^2/NDF: 3785239.7/25

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 332.516+/-0.047 χ^2/NDF: 6876417.4/44

All: 336.349+/-0.033 χ^2/NDF: 15404922.8/93

- sign 340.316+/-0.047 χ^2/NDF: 8514714.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/25

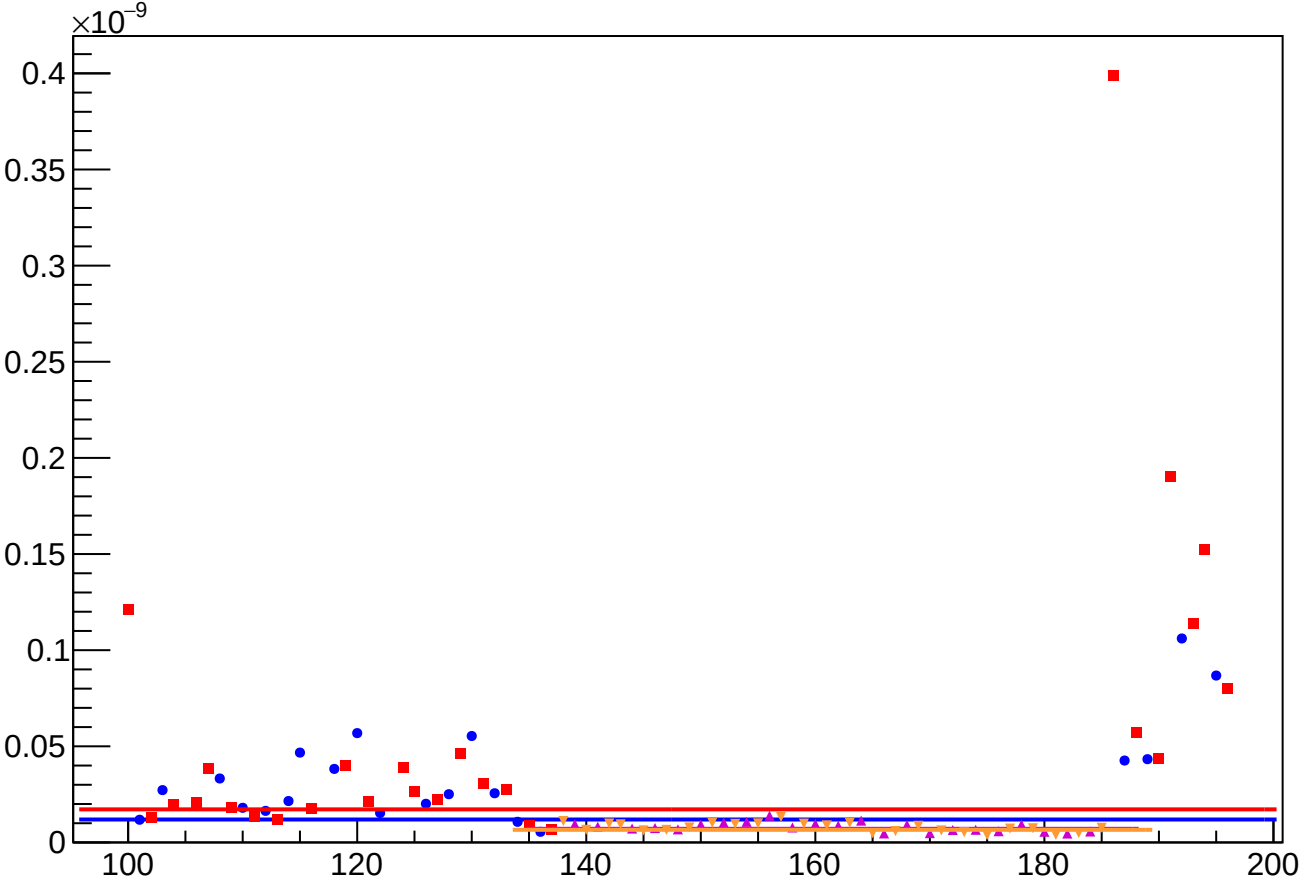
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.9/44

All: 0.000+/-0.000 χ^2/NDF: 89.7/93

- sign 0.000+/-0.000 χ^2/NDF: 54.6/48

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3507576.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3645742.8/25

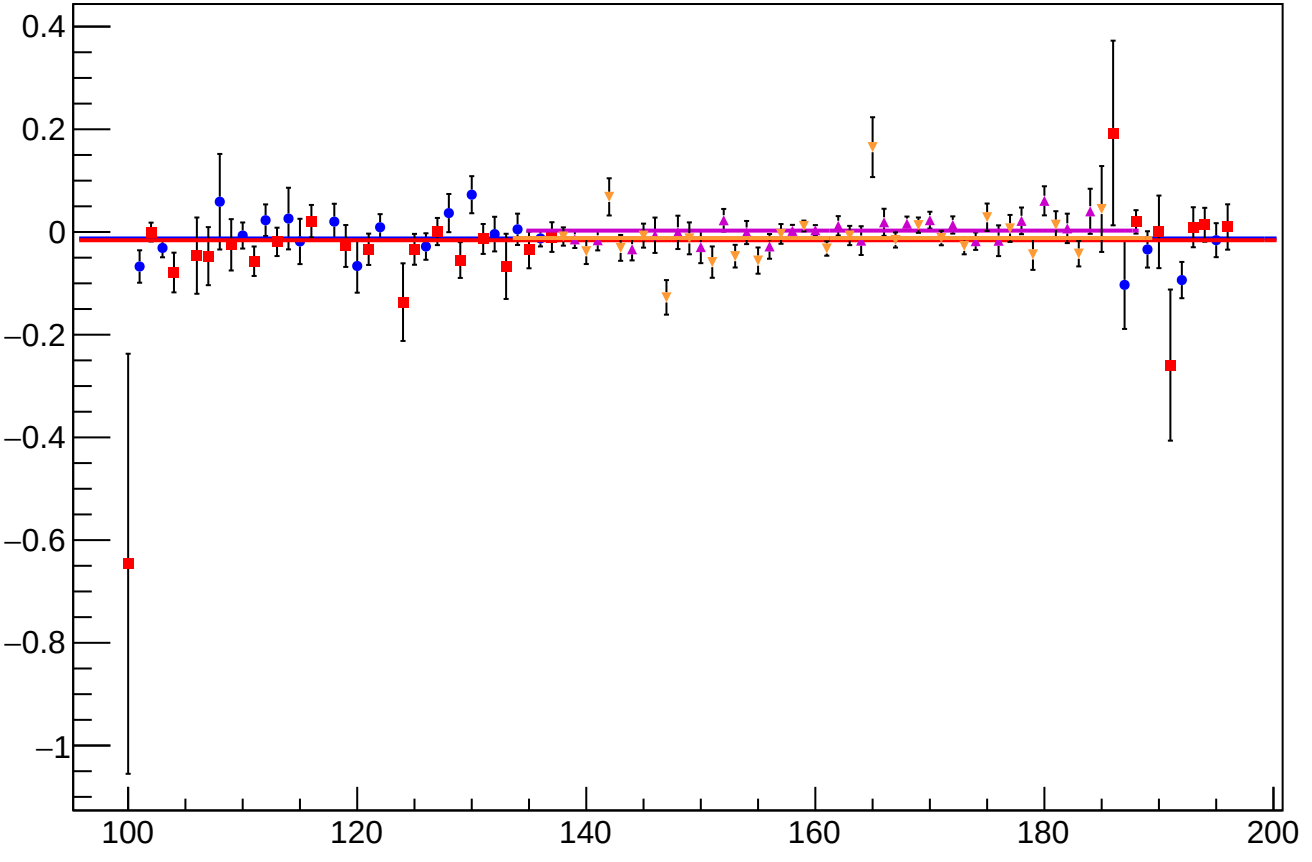
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5807515.7/44

All: 0.000+/-0.000 χ^2/NDF: 12369639.3/93

- sign 0.000+/-0.000 χ^2/NDF: 6484042.5/48

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

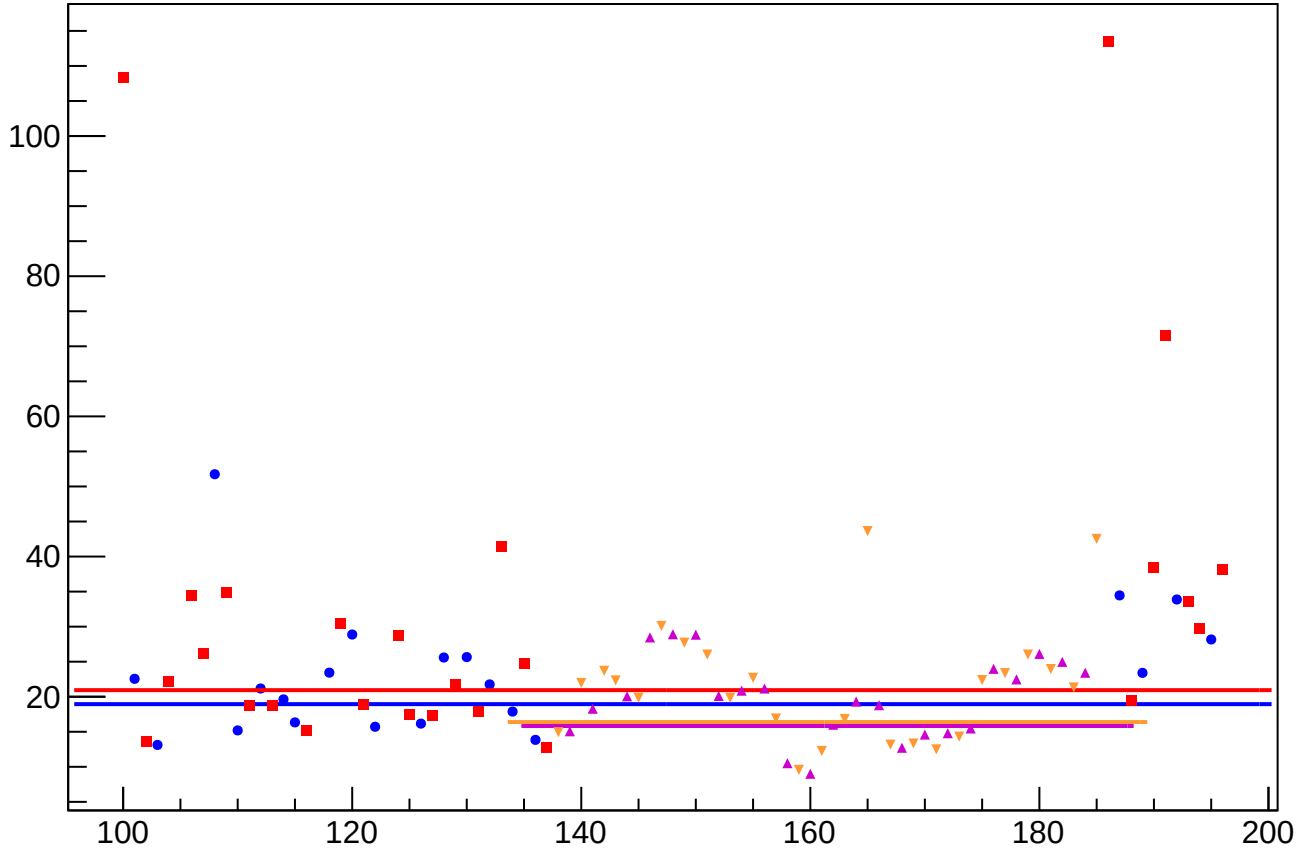
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/44

All: -0.007+/-0.002 χ^2/NDF: 130.5/93

- 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: 18.943+/-0.005 χ^2/NDF: 1673738.5/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

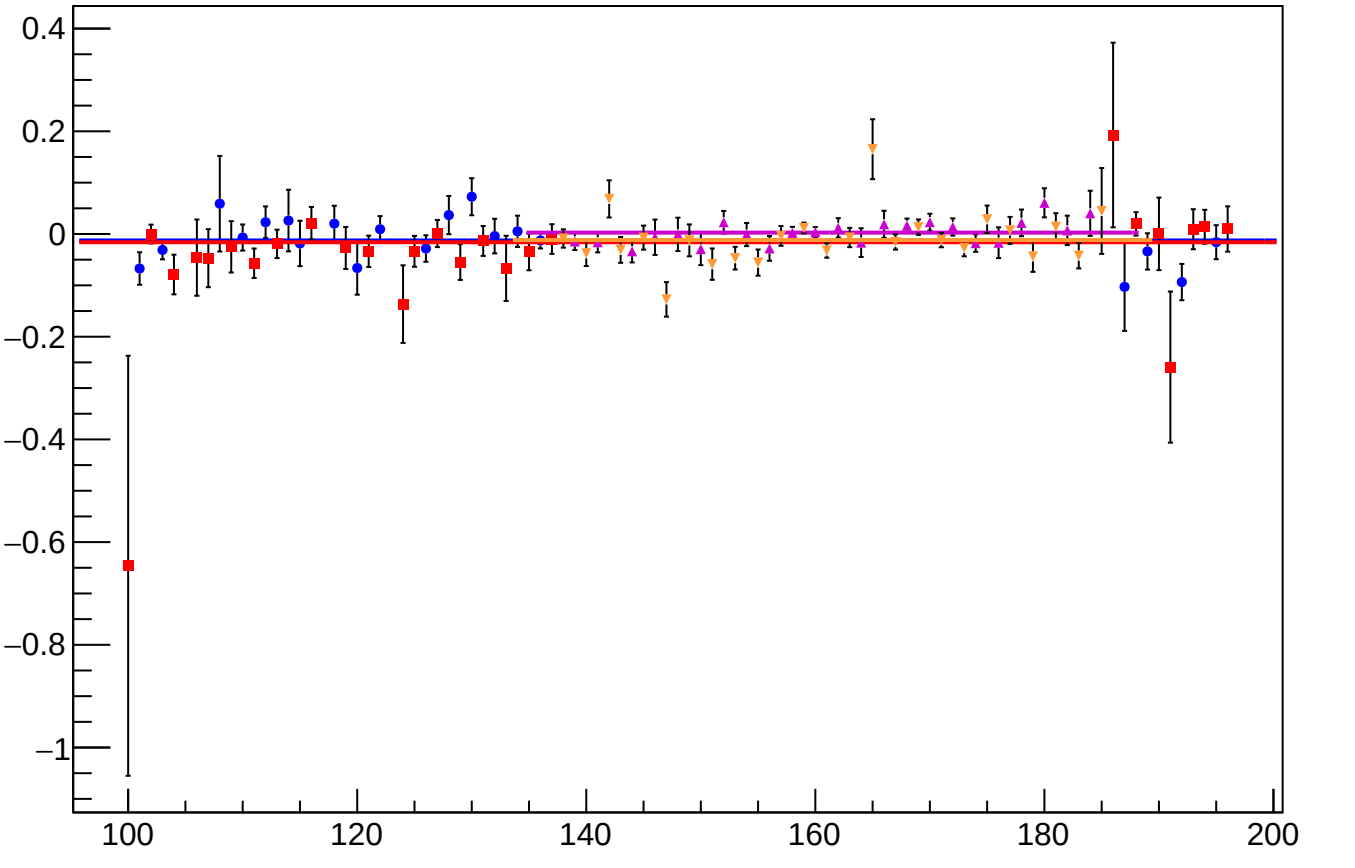
Right Out: 20.938+/-0.005 χ^2/NDF: 2916671.0/25

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.068+/-0.002 χ^2/NDF: 5913979.5/44

All: 17.098+/-0.002 χ^2/NDF: 13302757.3/93

- sign 17.128+/-0.002 χ^2/NDF: 7388479.0/48



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

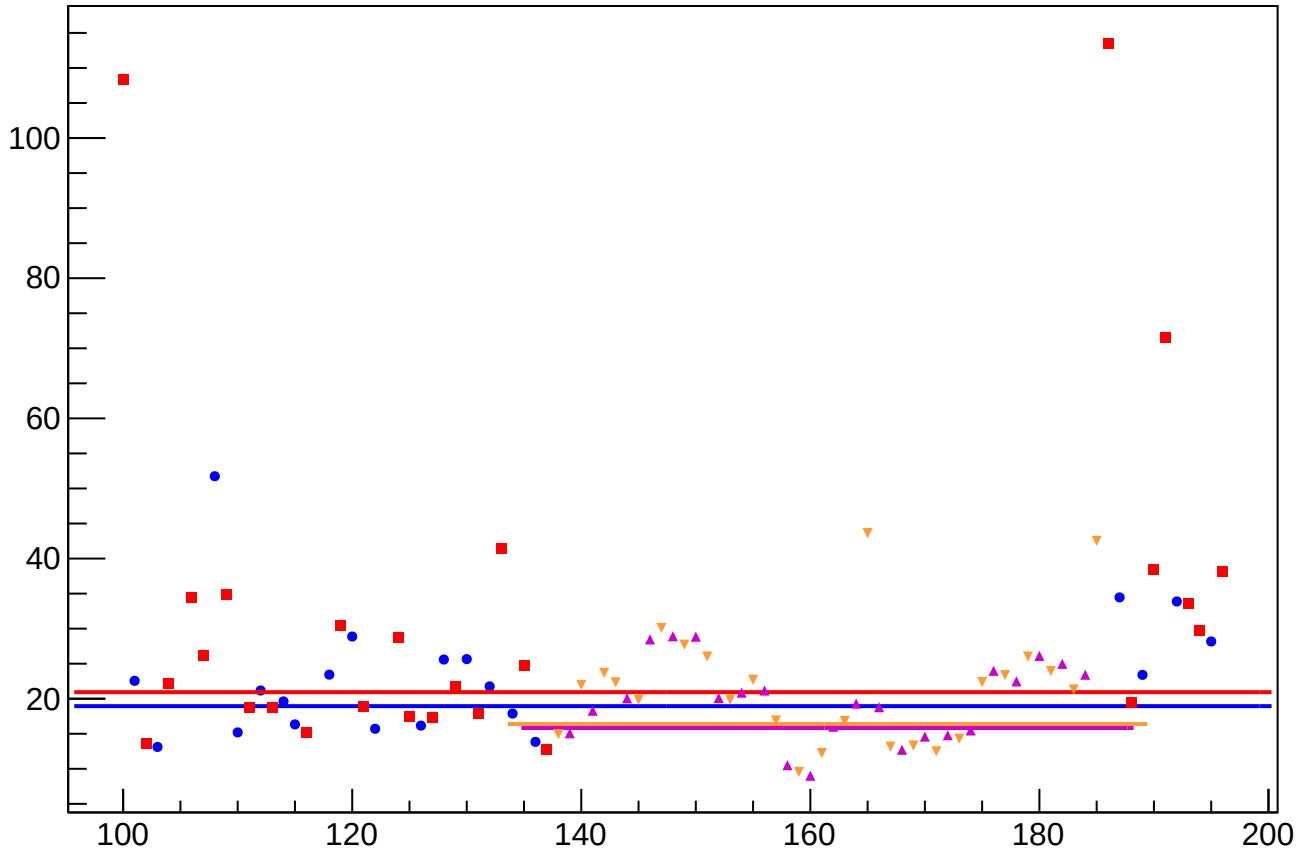
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/44

All: -0.007+/-0.002 χ^2/NDF: 130.5/93

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 18.943+/-0.005 χ^2/NDF: 1673738.5/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

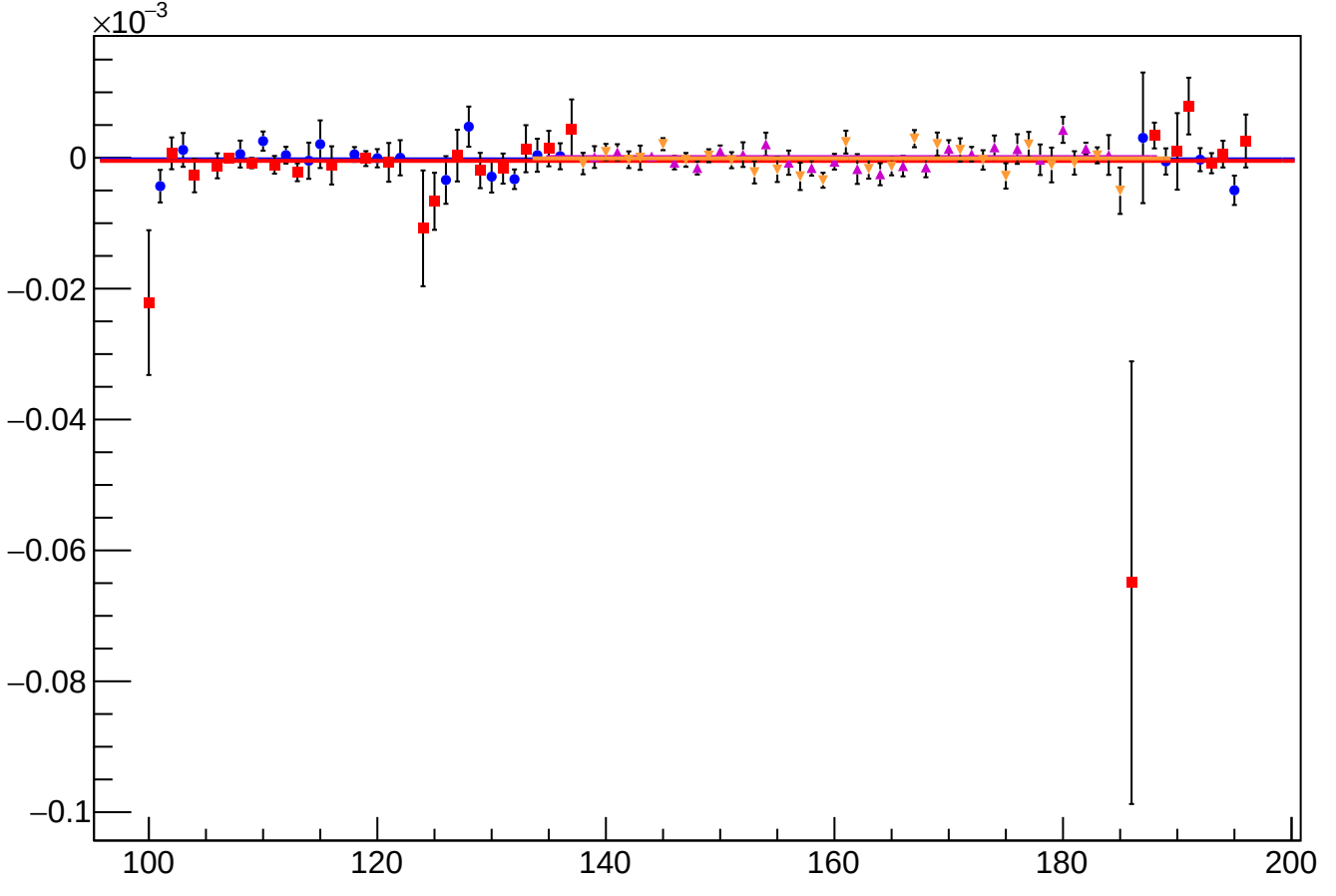
Right Out: 20.938+/-0.005 χ^2/NDF: 2916671.0/25

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.068+/-0.002 χ^2/NDF: 5913979.5/44

All: 17.098+/-0.002 χ^2/NDF: 13302757.3/93

\- sign 17.128+/-0.002 χ^2/NDF: 7388479.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

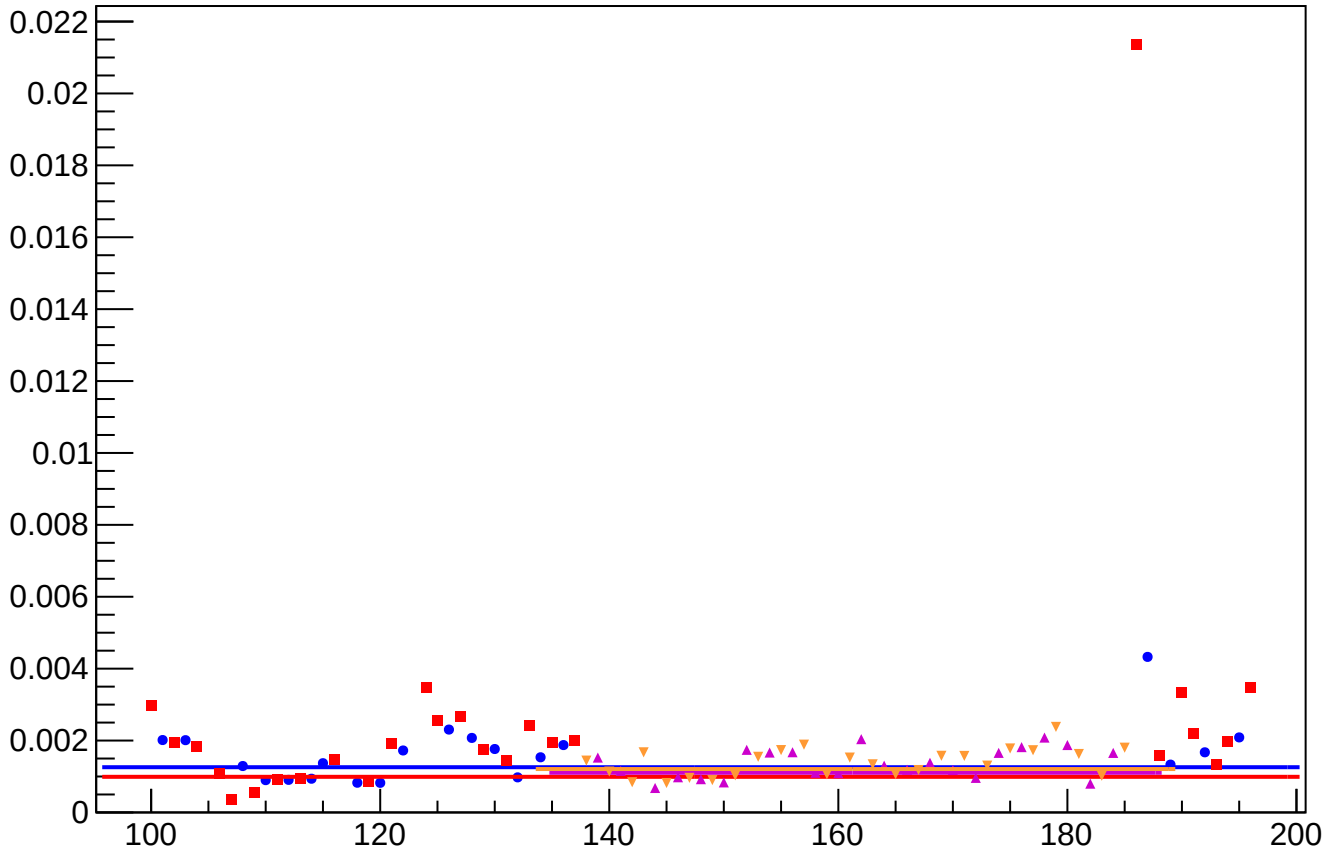
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/44

All: -0.000+/-0.000 χ^2/NDF: 106.6/93

- sign -0.000+/-0.000 χ^2/NDF: 49.1/48



Right In: 0.001+/-0.000 χ^2/NDF: 2457084.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

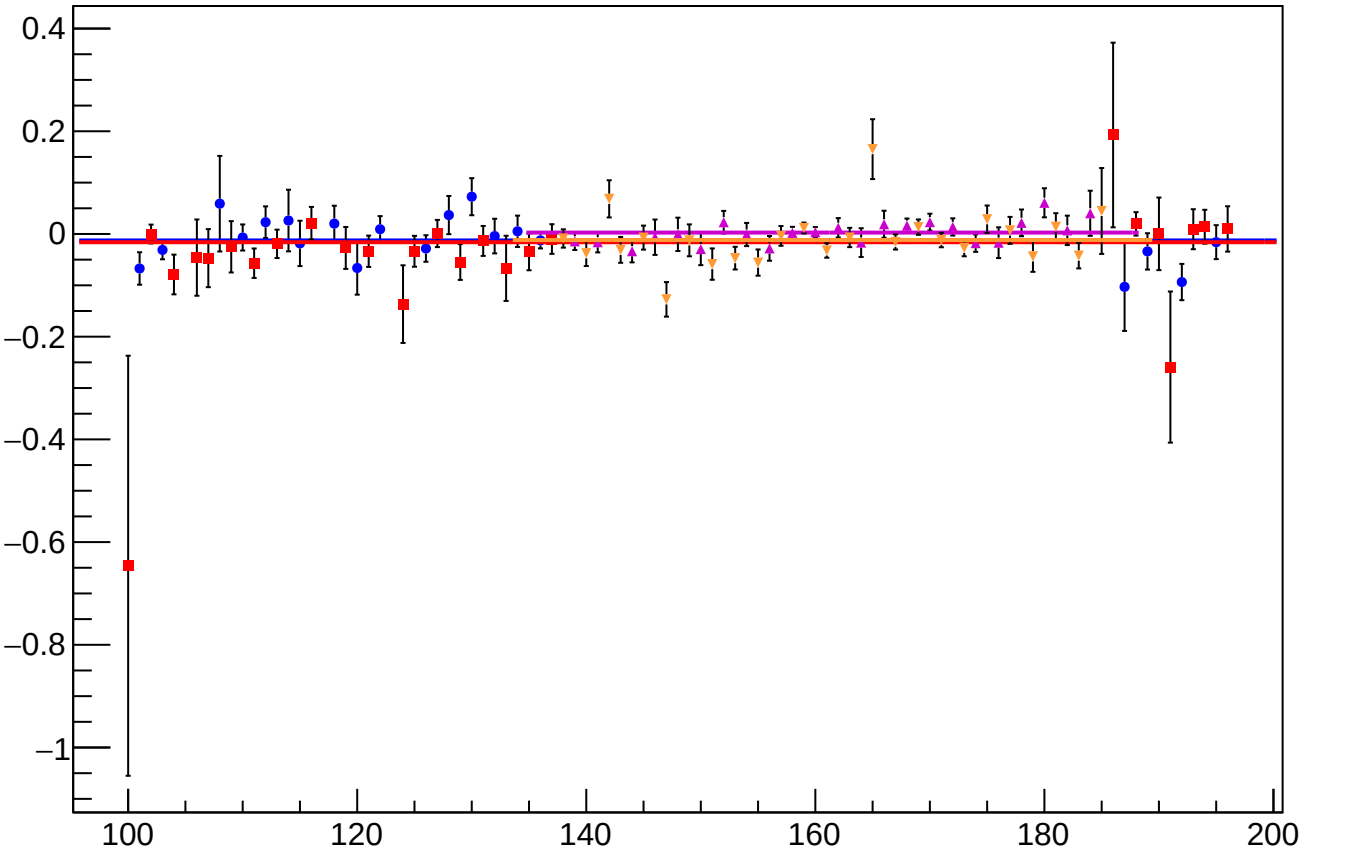
Right Out: 0.001+/-0.000 χ^2/NDF: 7339083.2/25

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5196904.9/44

All: 0.001+/-0.000 χ^2/NDF: 16654326.4/93

- sign 0.001+/-0.000 χ^2/NDF: 10960998.3/48



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

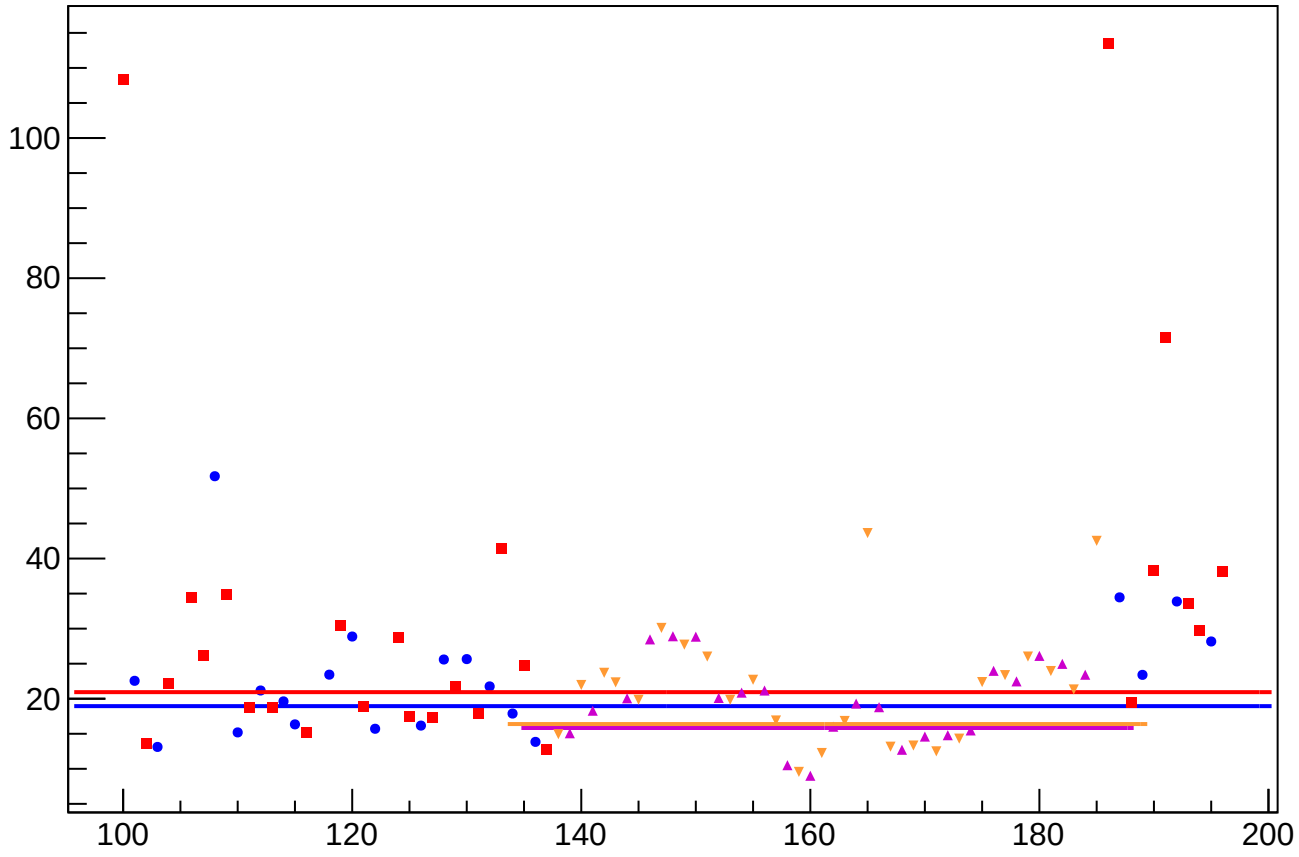
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/44

All: -0.007+/-0.002 χ^2/NDF: 130.5/93

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

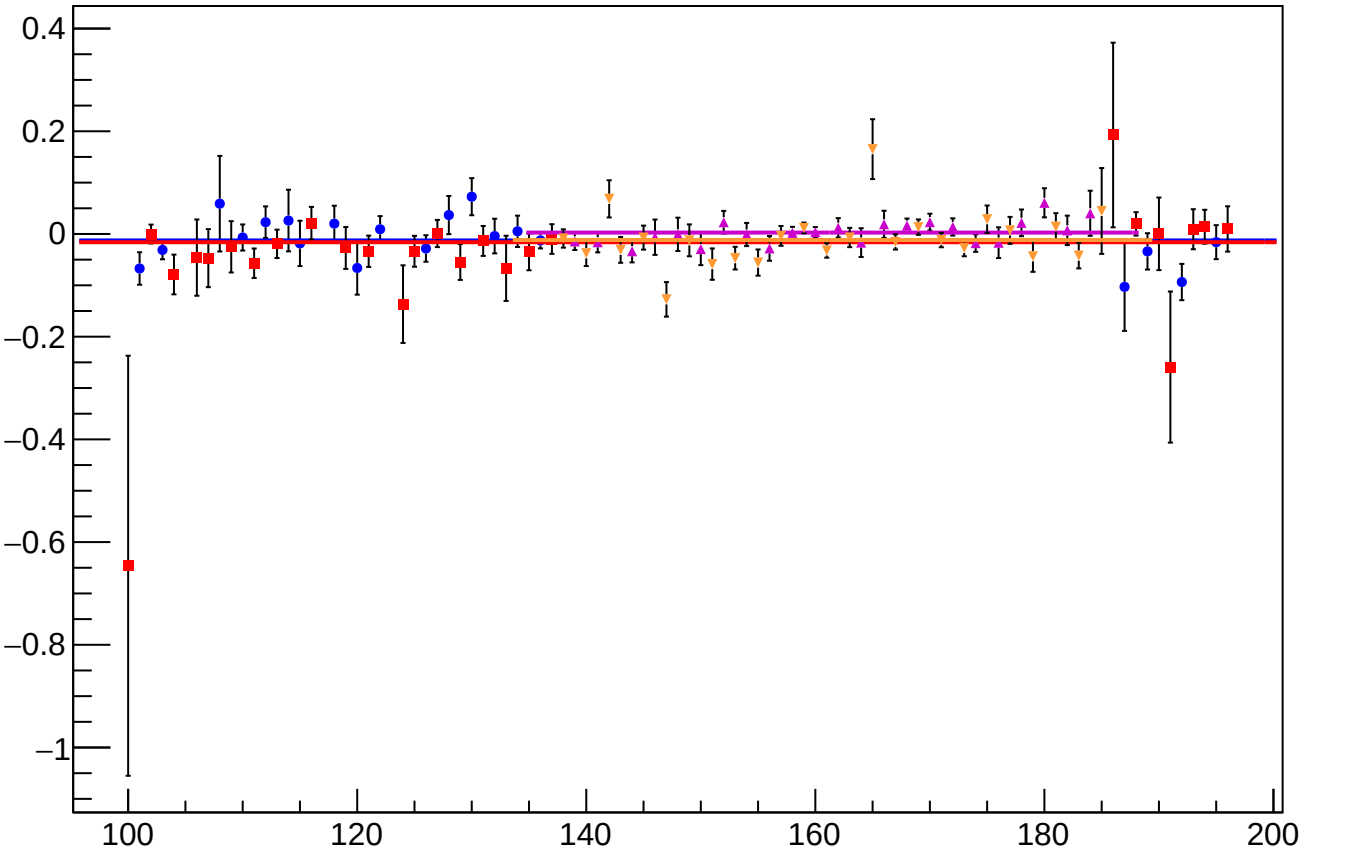
Right Out: 20.939+/-0.005 χ^2/NDF: 2916458.3/25

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.067+/-0.002 χ^2/NDF: 5914292.4/44

All: 17.098+/-0.002 χ^2/NDF: 13303452.4/93

- sign 17.128+/-0.002 χ^2/NDF: 7388860.9/48



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

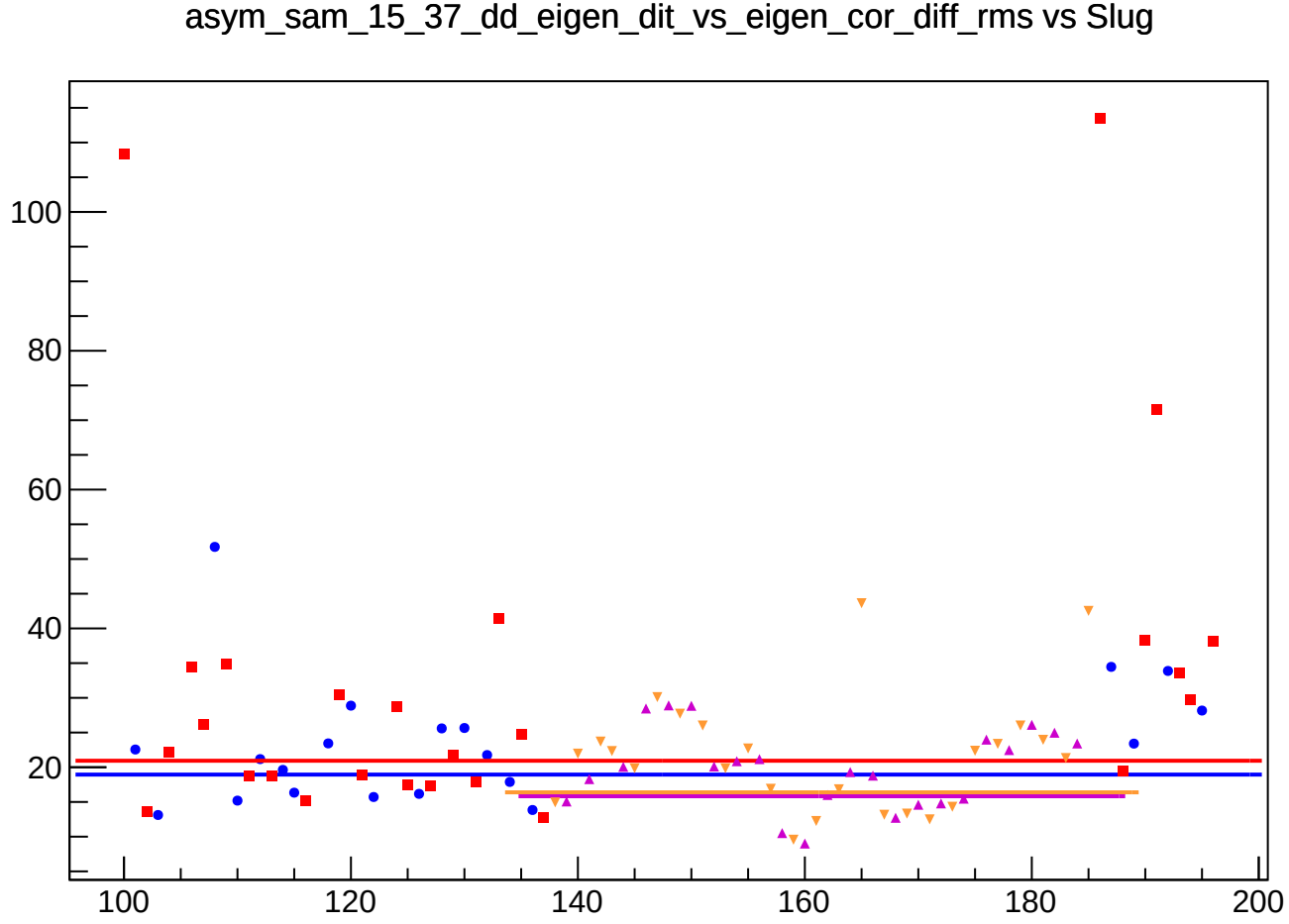
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/44

All: -0.007+/-0.002 χ^2/NDF: 130.5/93

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

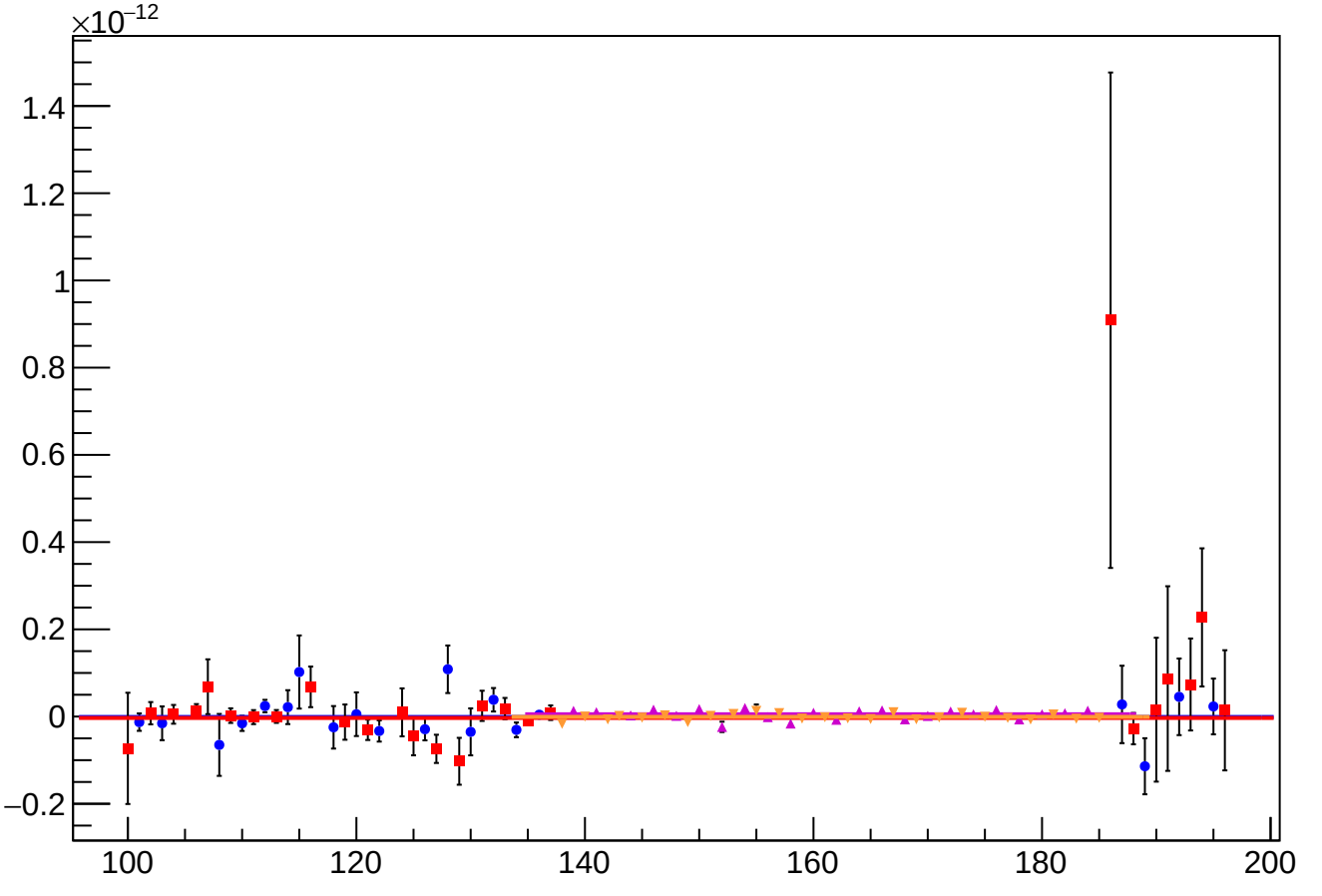
Right Out: 20.939+/-0.005 χ^2/NDF: 2916458.3/25

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.067+/-0.002 χ^2/NDF: 5914292.4/44

All: 17.098+/-0.002 χ^2/NDF: 13303452.4/93

- sign 17.128+/-0.002 χ^2/NDF: 7388860.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

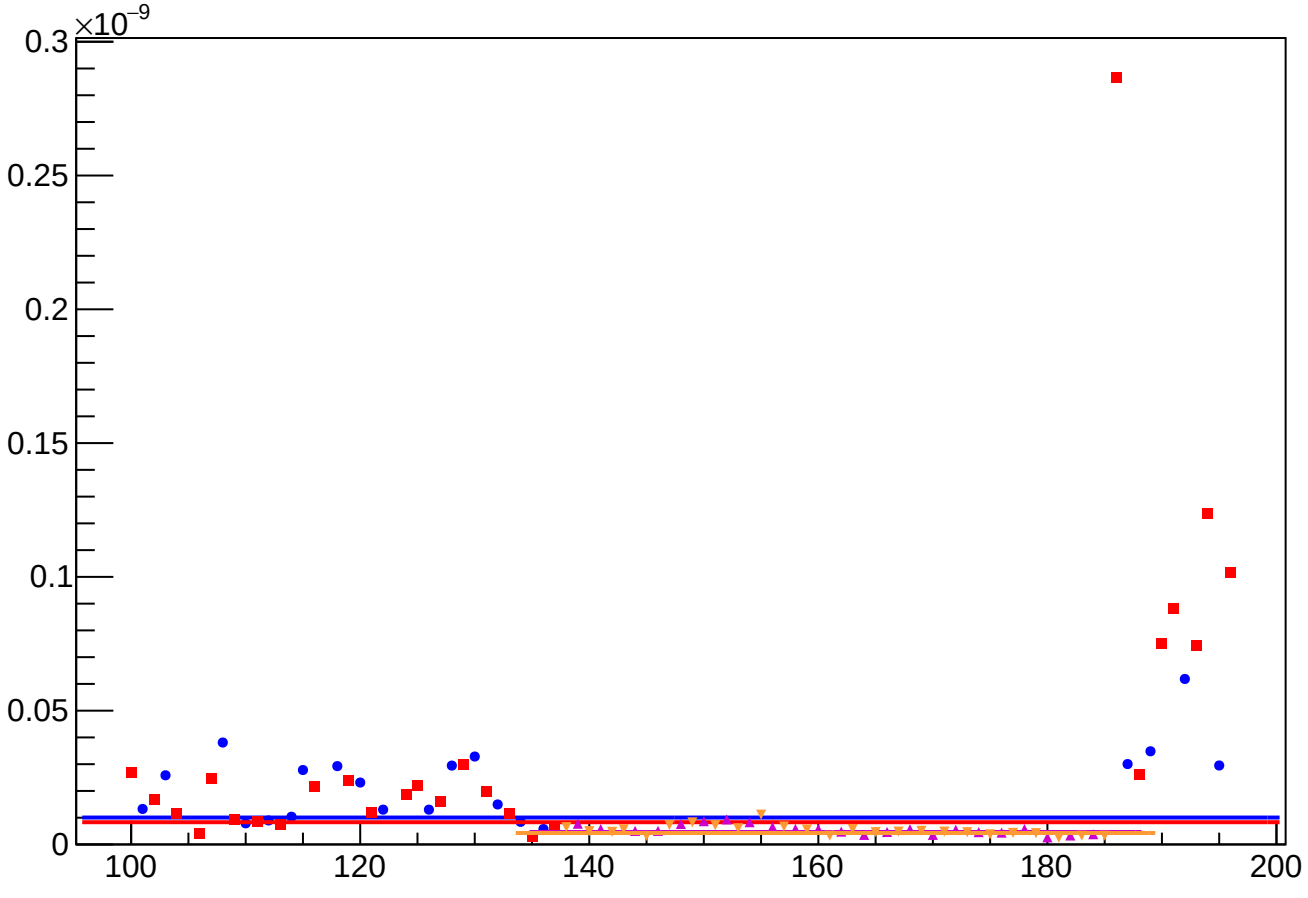
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

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

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/44

All: 0.000+/-0.000 χ^2/NDF: 117.7/93

- sign 0.000+/-0.000 χ^2/NDF: 66.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3932388.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7476354.0/25

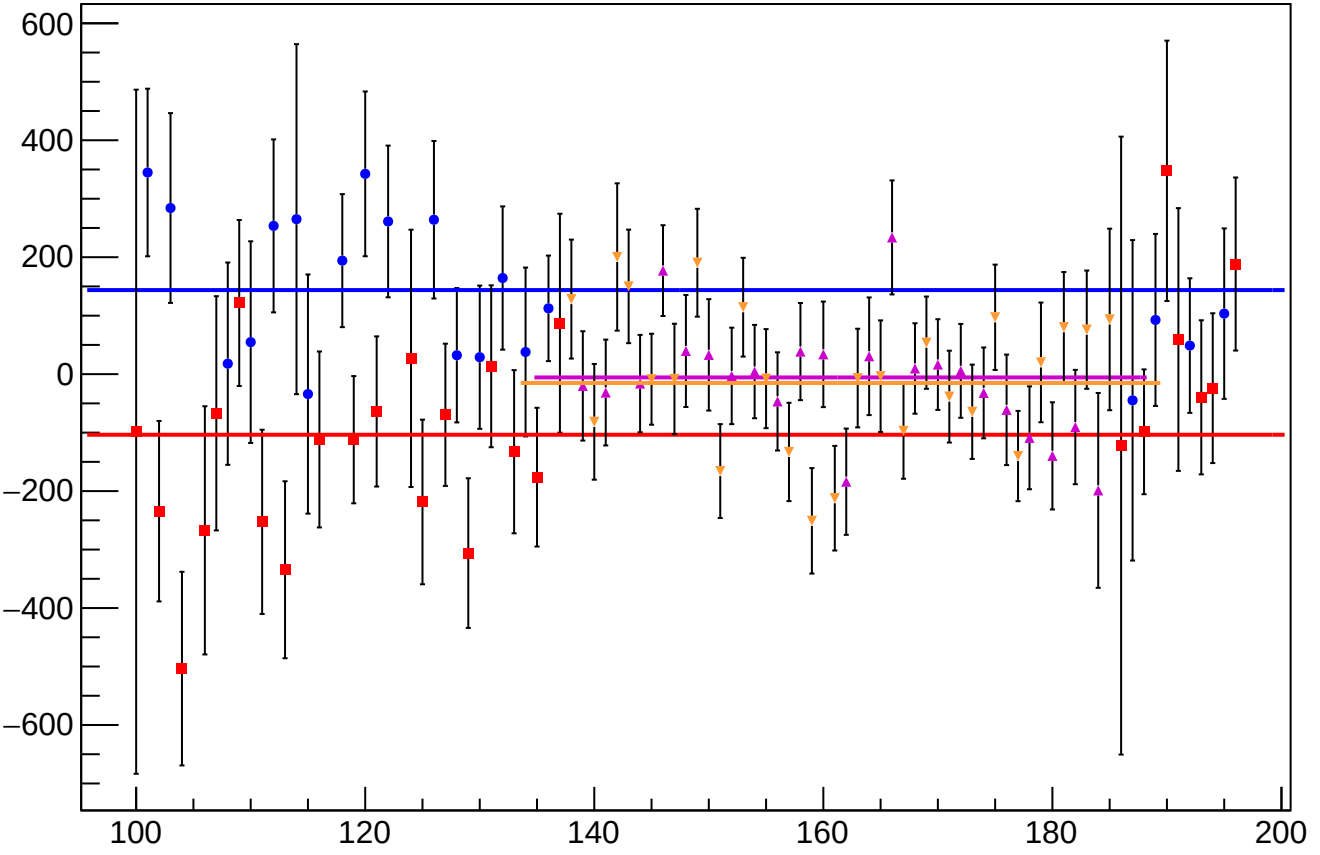
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9004152.4/44

All: 0.000+/-0.000 χ^2/NDF: 20300234.2/93

- sign 0.000+/-0.000 χ^2/NDF: 11220873.0/48

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 143.758+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.633+/-29.490 χ^2/NDF: 28.0/25

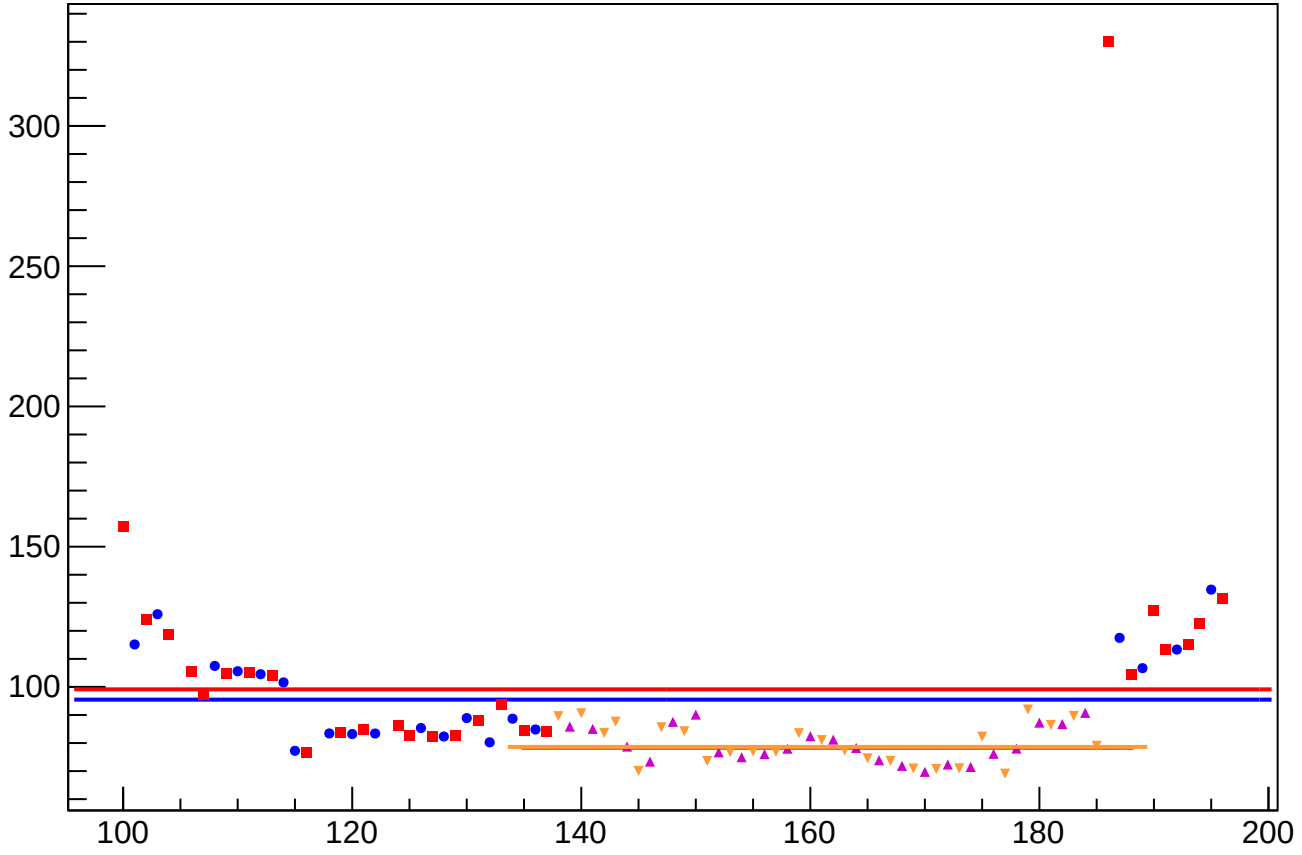
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 24.754+/-15.542 χ^2/NDF: 73.9/44

All: -4.042+/-11.010 χ^2/NDF: 139.7/93

- sign -33.052+/-15.599 χ^2/NDF: 58.9/48

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.479+/-0.022 χ^2/NDF: 527683.3/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

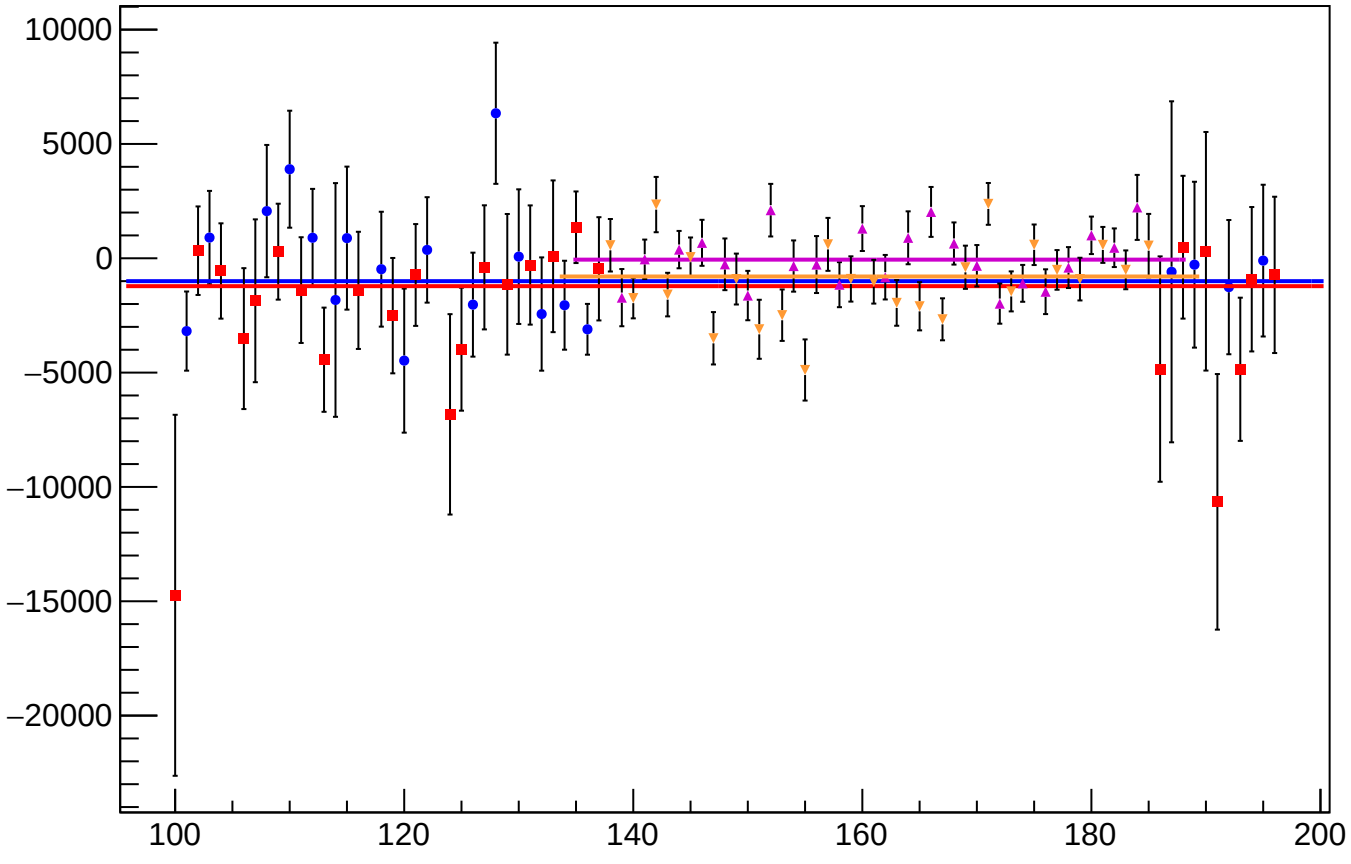
Right Out: 99.145+/-0.021 χ^2/NDF: 1006172.9/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277261.7/44

All: 83.500+/-0.008 χ^2/NDF: 3216945.0/93

- sign 84.157+/-0.011 χ^2/NDF: 1932612.9/48



Right In: -1000.706+/-526.743 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

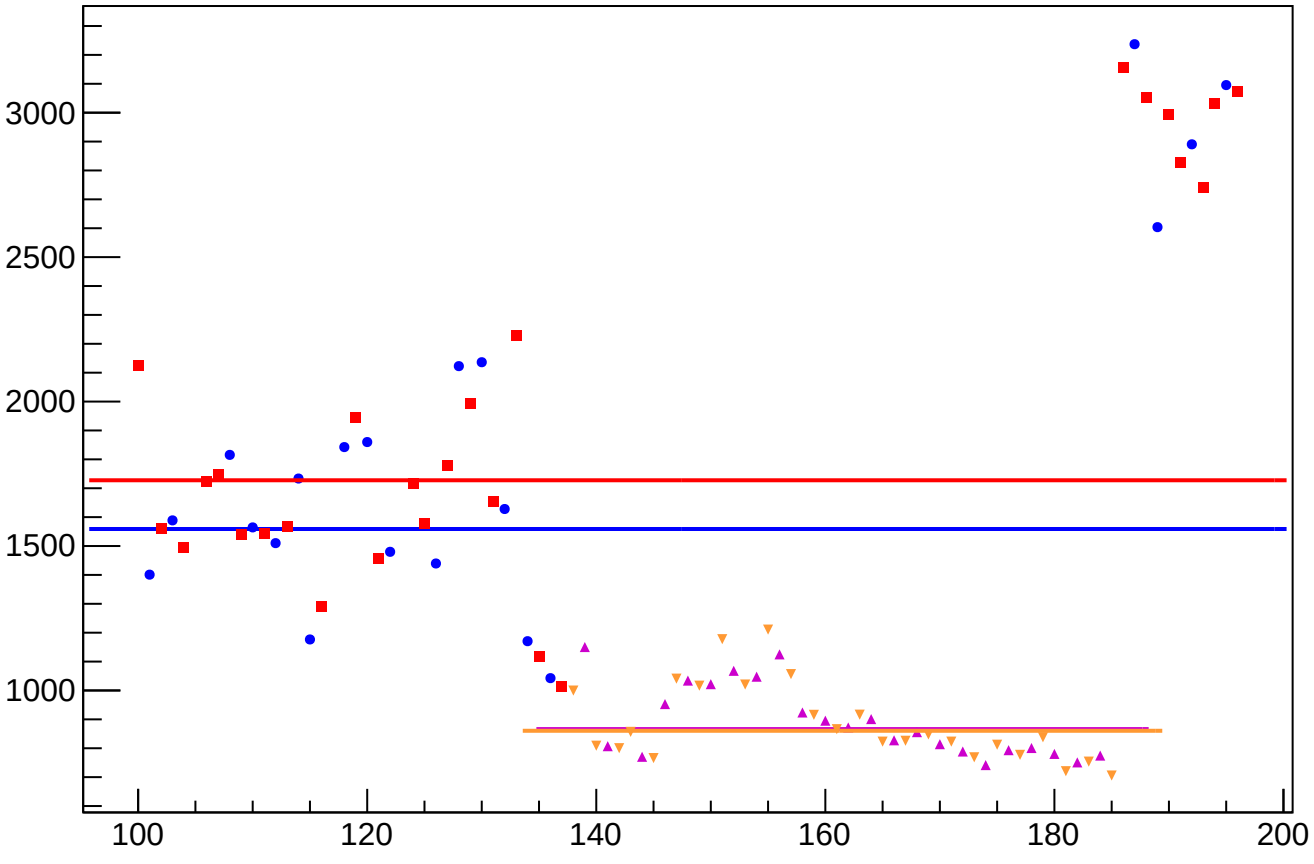
Right Out: -1219.384+/-527.798 χ^2/NDF: 18.1/25

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.194+/-185.243 χ^2/NDF: 80.0/44

All: -525.272+/-132.852 χ^2/NDF: 138.0/93

- sign -210.812+/-190.636 χ^2/NDF: 52.8/48



Right In: 1558.933+/-0.372 χ^2/NDF: 1881919.3/19

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1727.594+/-0.373 χ^2/NDF: 2343961.4/25

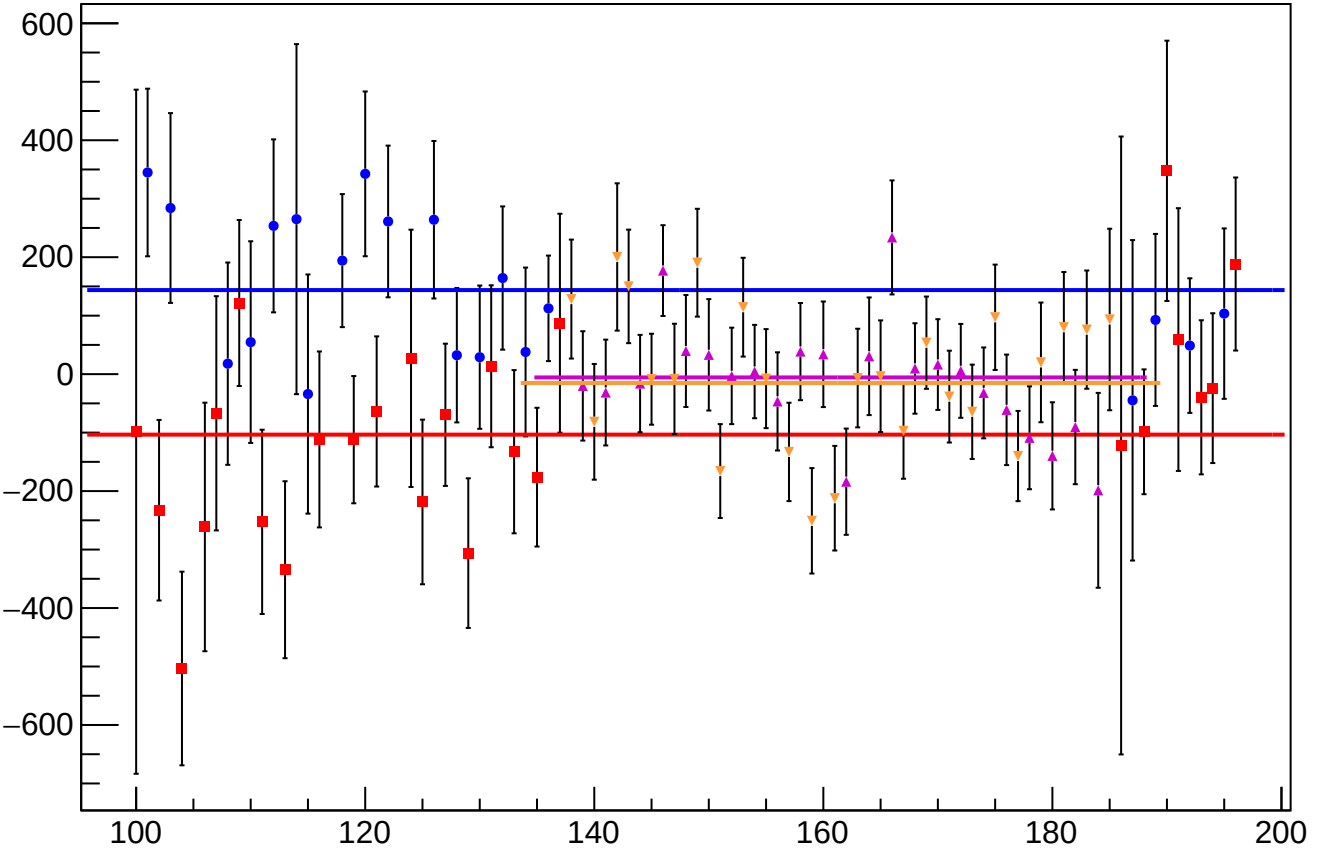
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662627.8/44

All: 962.334+/-0.094 χ^2/NDF: 13279118.4/93

- sign 978.708+/-0.135 χ^2/NDF: 7587803.6/48

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 143.755+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.439+/-29.492 χ^2/NDF: 27.9/25

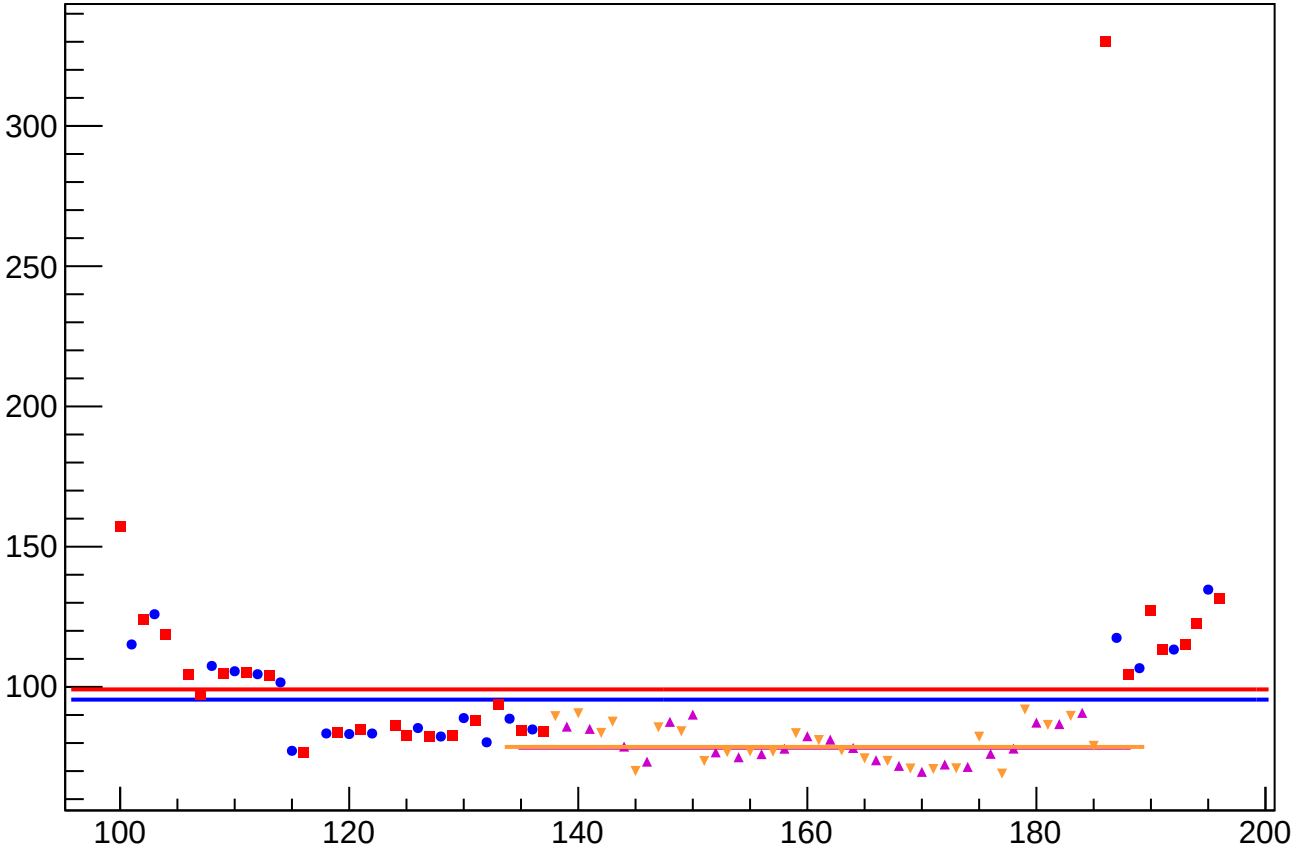
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 24.755+/-15.542 χ^2/NDF: 73.9/44

All: -4.012+/-11.010 χ^2/NDF: 139.6/93

- sign -32.993+/-15.600 χ^2/NDF: 58.8/48

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.479+/-0.022 χ^2/NDF: 527684.9/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

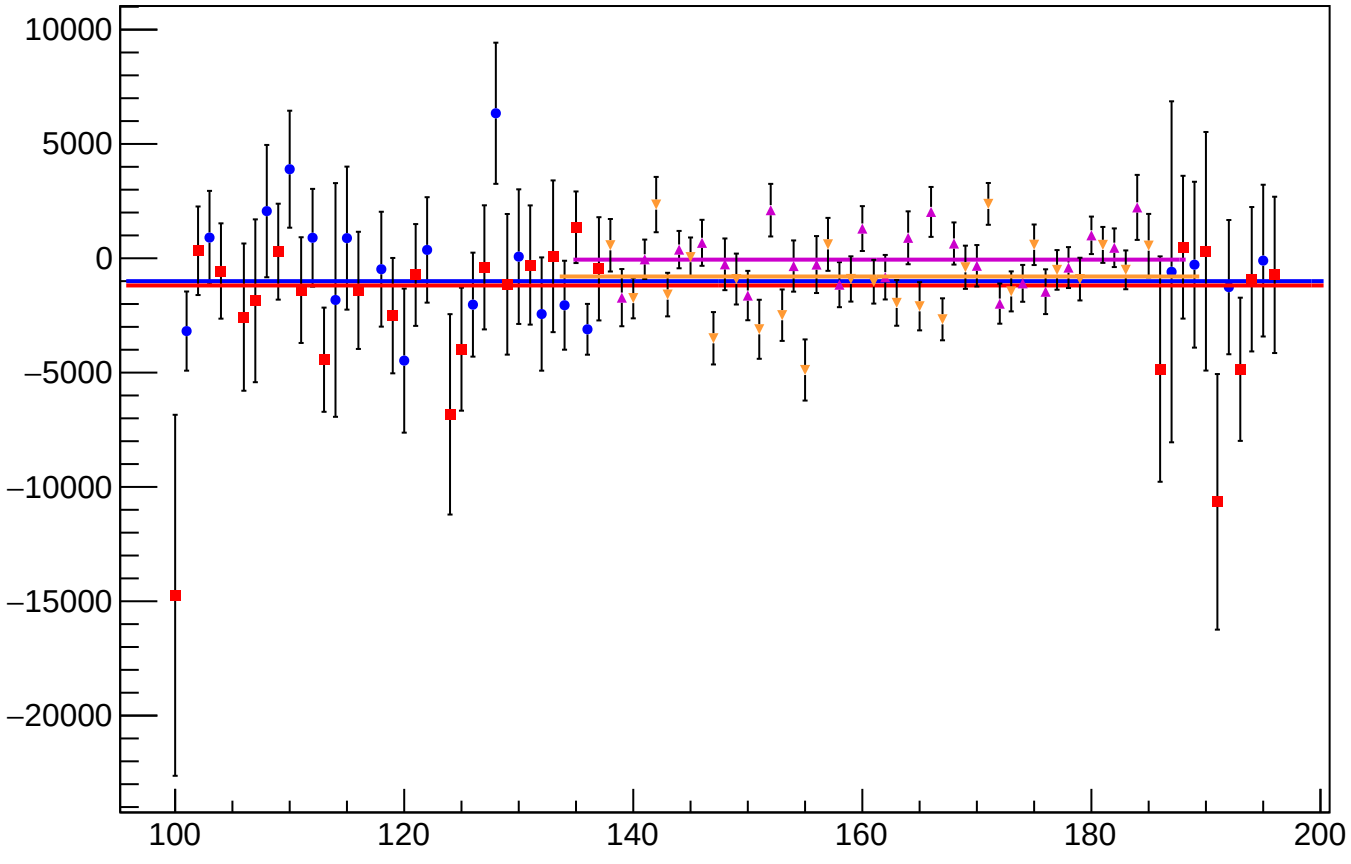
Right Out: 99.121+/-0.021 χ^2/NDF: 1005690.0/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277263.7/44

All: 83.497+/-0.008 χ^2/NDF: 3214691.6/93

- sign 84.150+/-0.011 χ^2/NDF: 1930433.9/48



Right In: -1000.684+/-526.744 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1188.728+/-528.467 χ^2/NDF: 17.7/25

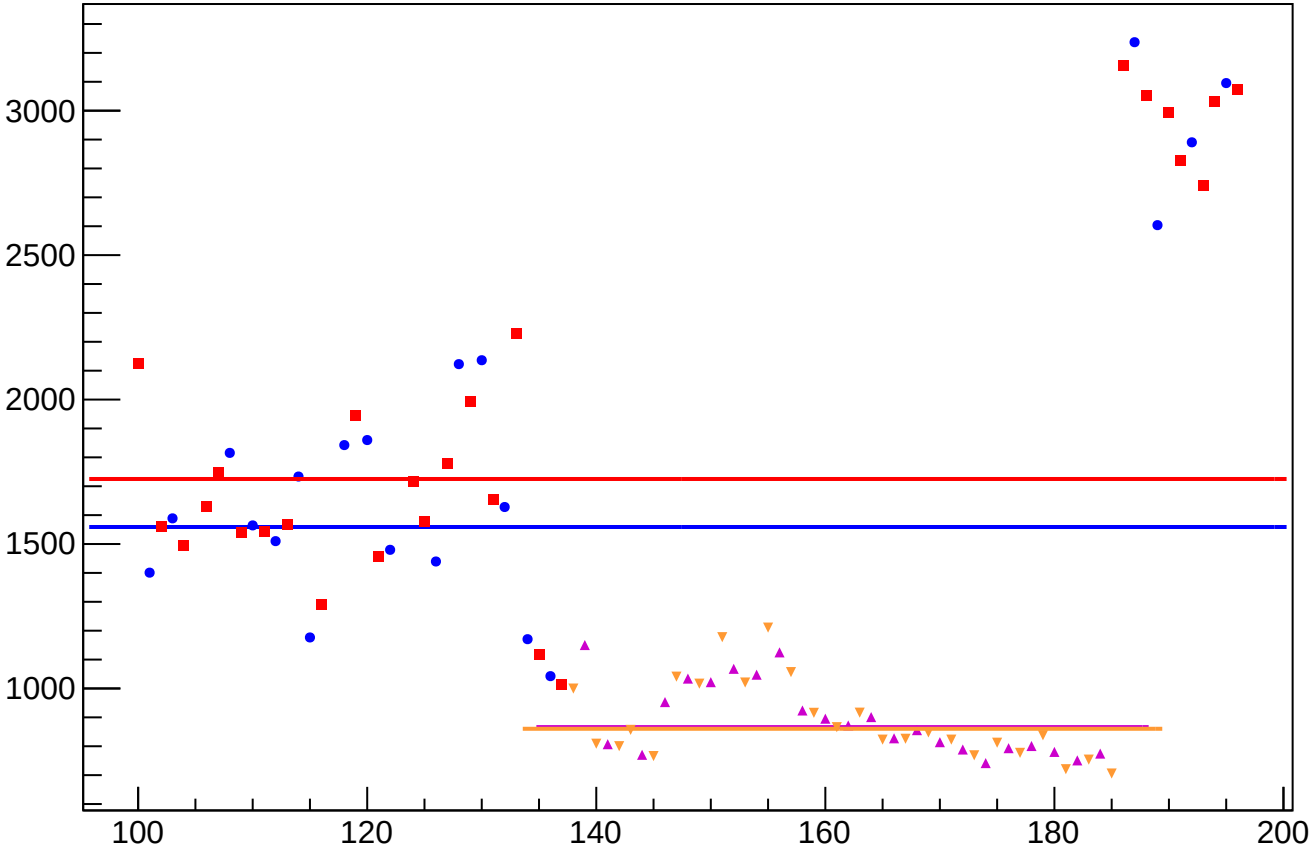
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.191+/-185.243 χ^2/NDF: 80.0/44

All: -523.221+/-132.863 χ^2/NDF: 137.5/93

- sign -206.488+/-190.667 χ^2/NDF: 52.2/48

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1558.937+/-0.372 χ^2/NDF: 1881921.6/19

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1725.132+/-0.374 χ^2/NDF: 2345682.2/25

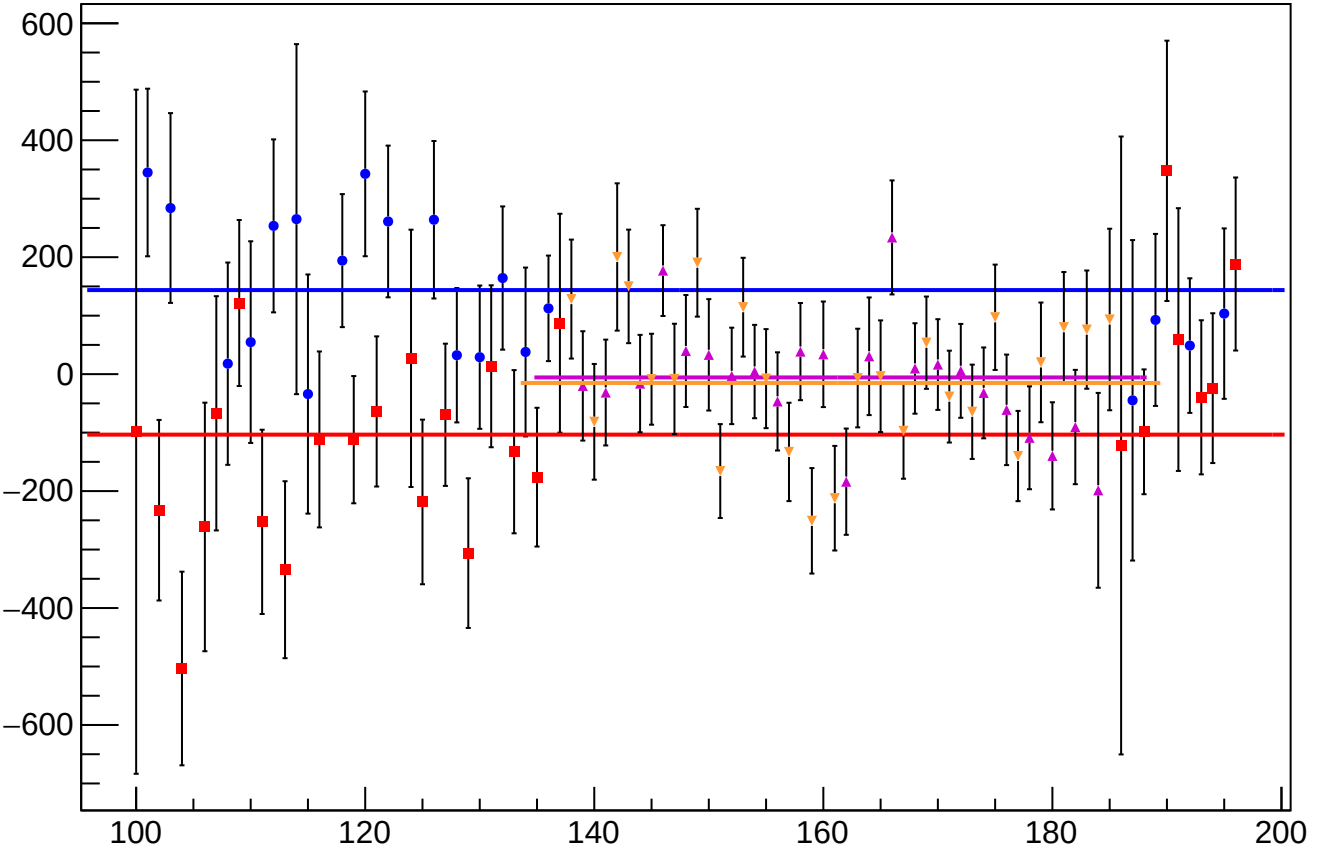
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662648.4/44

All: 962.056+/-0.094 χ^2/NDF: 13243270.2/93

- sign 978.141+/-0.135 χ^2/NDF: 7552953.1/48

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 143.755+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.439+/-29.492 χ^2/NDF: 27.9/25

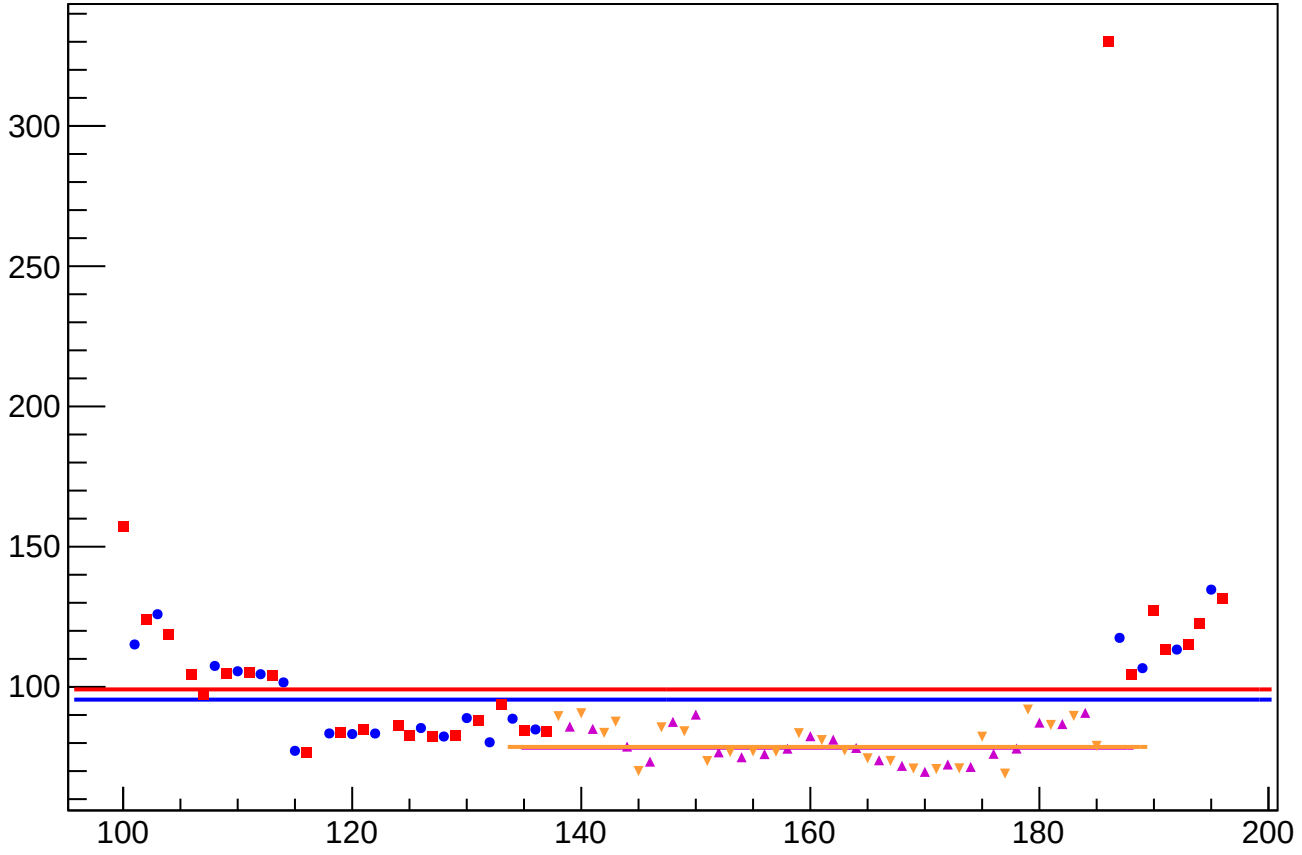
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 24.755+/-15.542 χ^2/NDF: 73.9/44

All: -4.012+/-11.010 χ^2/NDF: 139.6/93

- sign -32.993+/-15.600 χ^2/NDF: 58.8/48

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.479+/-0.022 χ^2/NDF: 527684.9/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

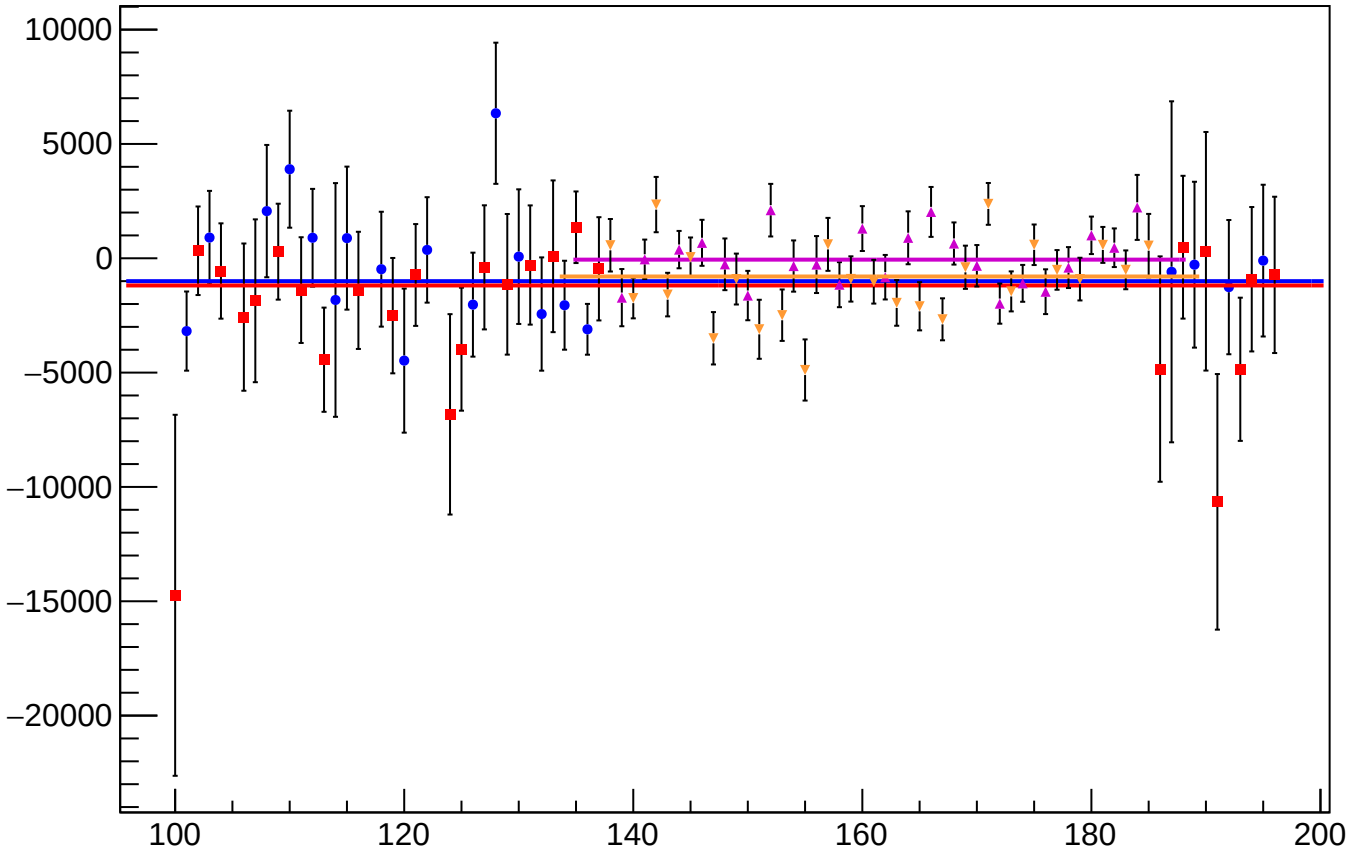
Right Out: 99.121+/-0.021 χ^2/NDF: 1005690.0/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277263.7/44

All: 83.497+/-0.008 χ^2/NDF: 3214691.6/93

- sign 84.150+/-0.011 χ^2/NDF: 1930433.9/48



Right In: -1000.684+/-526.744 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

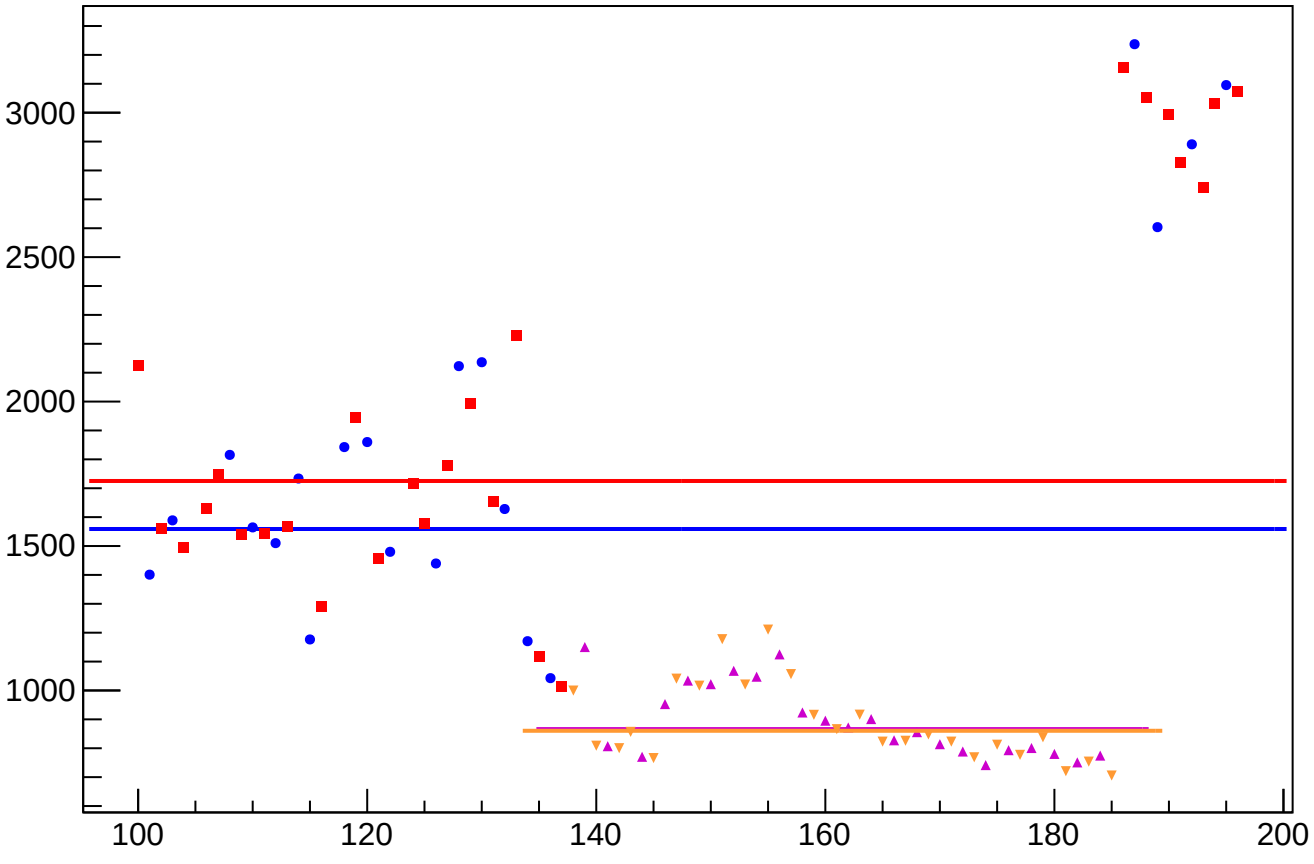
Right Out: -1188.728+/-528.467 χ^2/NDF: 17.7/25

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.191+/-185.243 χ^2/NDF: 80.0/44

All: -523.221+/-132.863 χ^2/NDF: 137.5/93

- sign -206.488+/-190.667 χ^2/NDF: 52.2/48



Right In: 1558.937+/-0.372 χ^2/NDF: 1881921.6/19

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1725.132+/-0.374 χ^2/NDF: 2345682.2/25

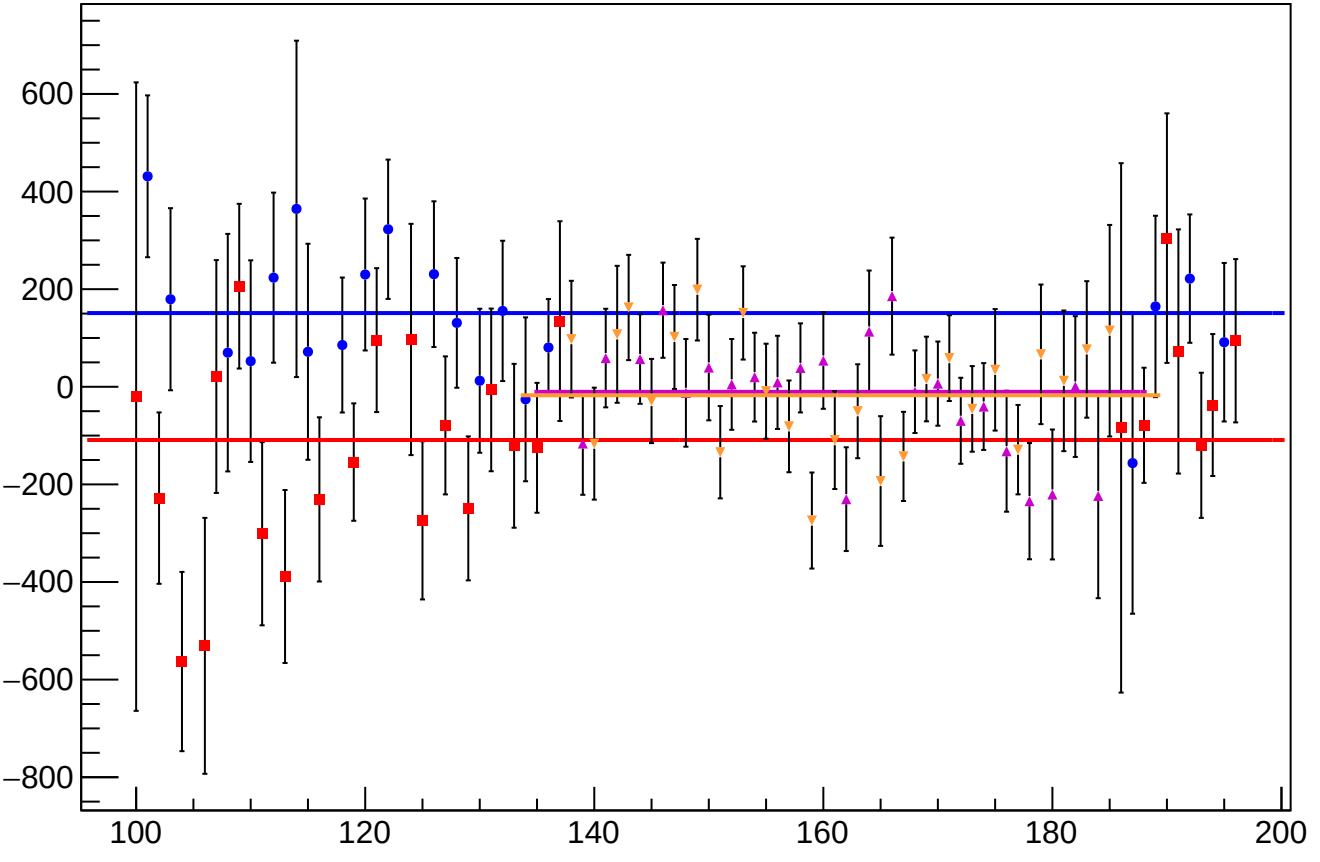
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662648.4/44

All: 962.056+/-0.094 χ^2/NDF: 13243270.2/93

- sign 978.141+/-0.135 χ^2/NDF: 7552953.1/48

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 151.047+/-35.855 χ^2/NDF: 10.1/19

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.014+/-33.692 χ^2/NDF: 28.6/25

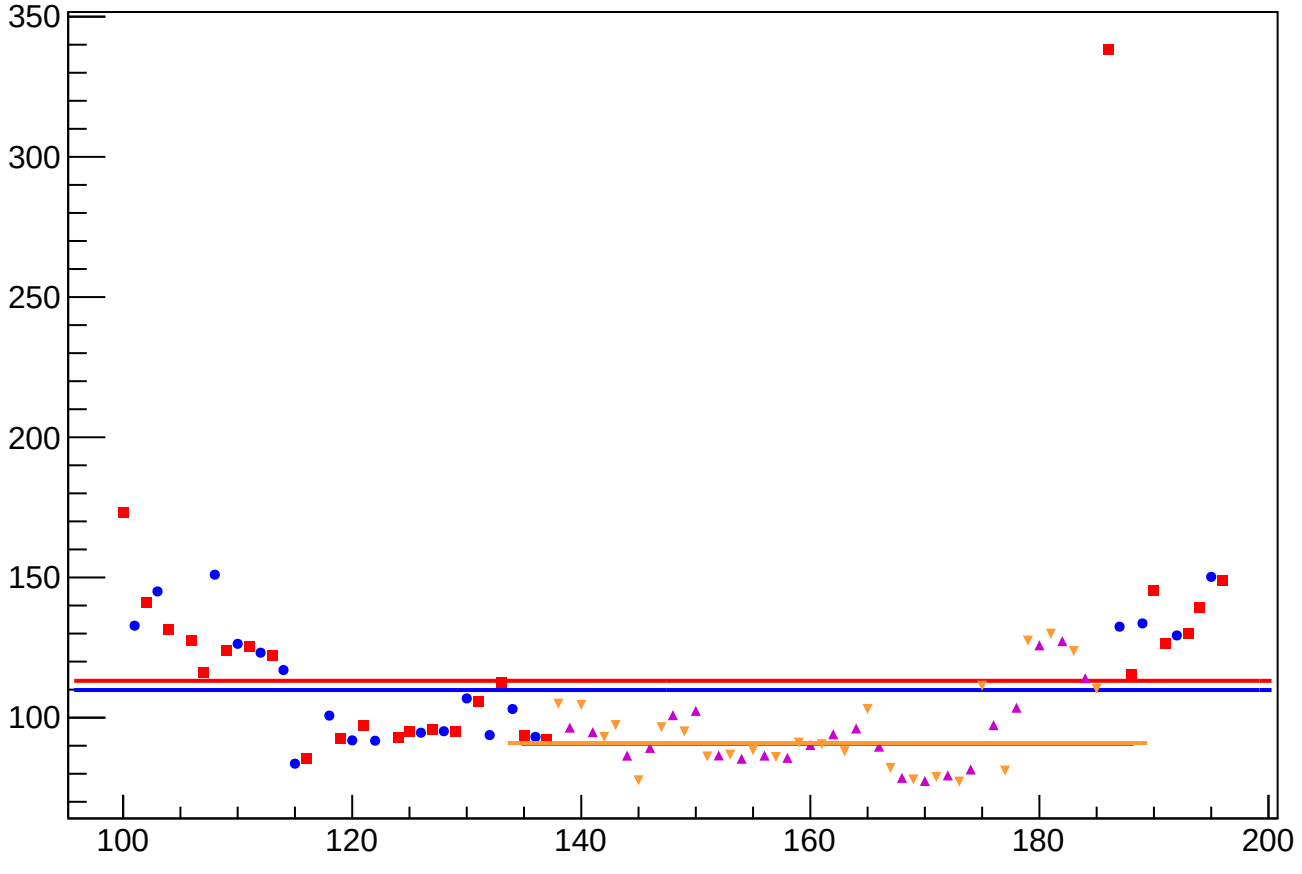
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.616+/-18.112 χ^2/NDF: 57.7/44

All: -6.642+/-12.812 χ^2/NDF: 121.3/93

- sign -38.951+/-18.126 χ^2/NDF: 57.3/48

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 109.858+/-0.025 χ^2/NDF: 628969.5/19

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 113.150+/-0.024 χ^2/NDF: 982916.9/25

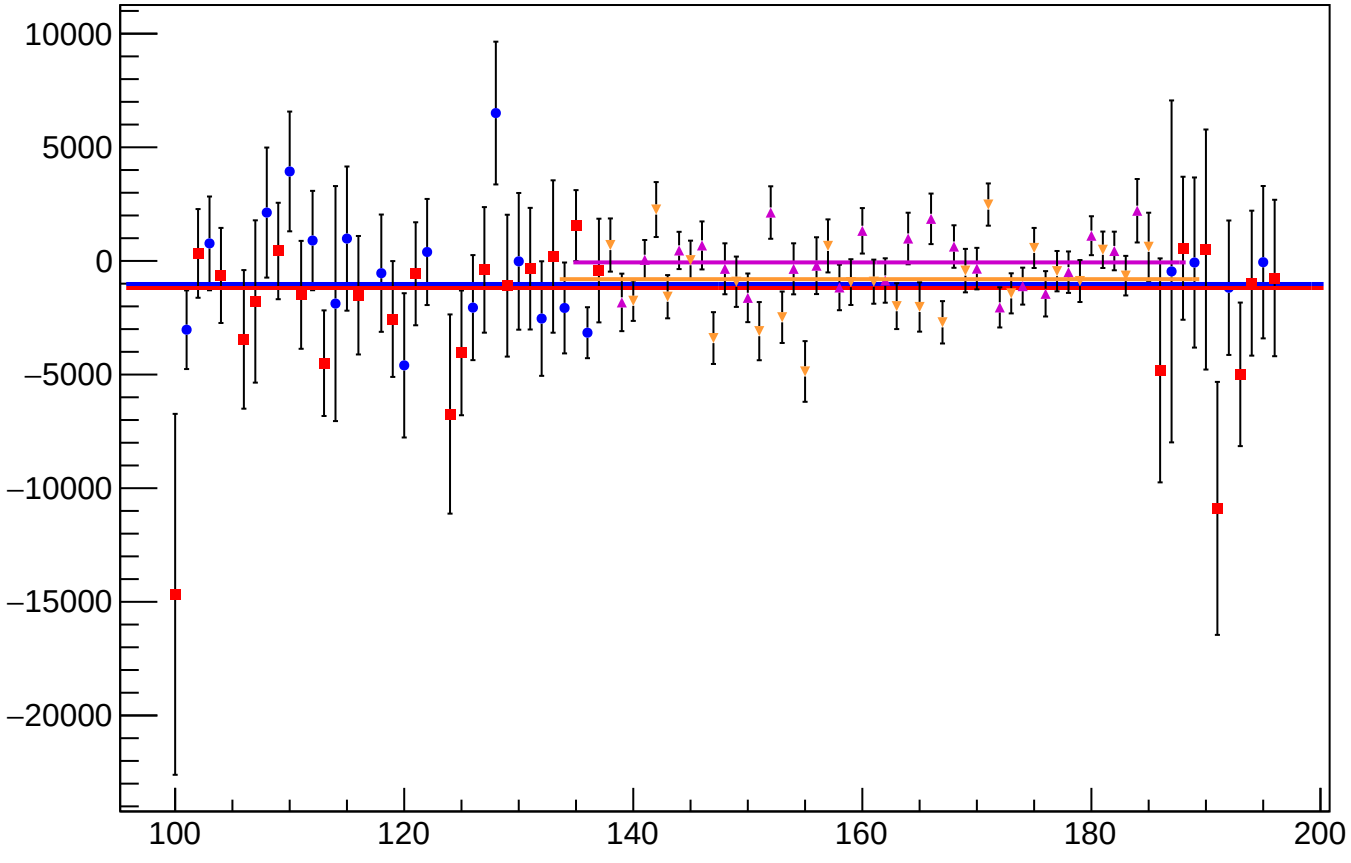
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 95.787+/-0.013 χ^2/NDF: 1827018.3/44

All: 96.489+/-0.009 χ^2/NDF: 3993419.4/93

- sign 97.191+/-0.013 χ^2/NDF: 2160403.0/48

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1014.643+/-533.905 χ^2/NDF: 20.2/19

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1191.046+/-533.239 χ^2/NDF: 18.9/25

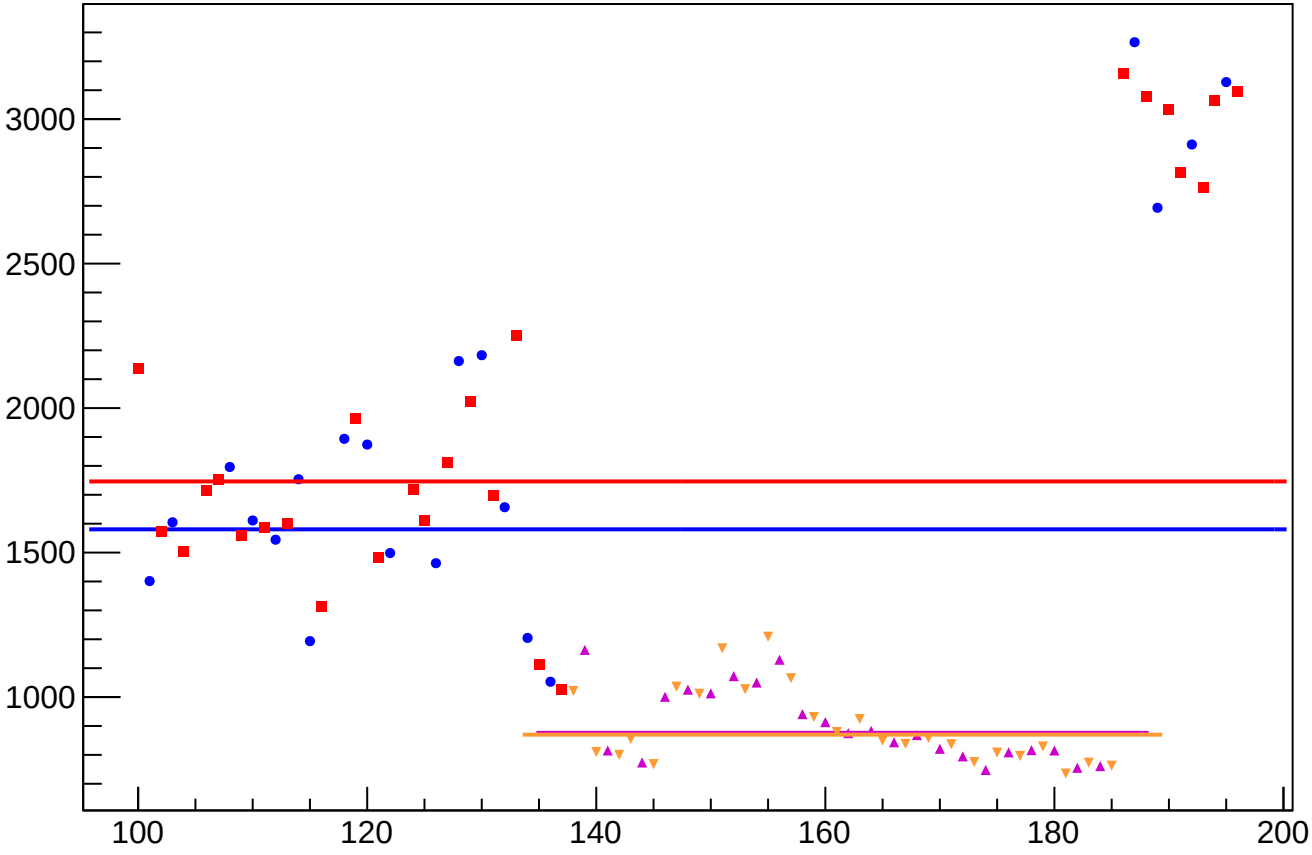
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

\+ sign -828.599+/-187.168 χ^2/NDF: 78.7/44

All: -529.416+/-134.264 χ^2/NDF: 137.4/93

\- sign -212.257+/-192.709 χ^2/NDF: 53.4/48

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1580.429+/-0.378 χ^2/NDF: 1892844.1/19

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1746.187+/-0.377 χ^2/NDF: 2344112.9/25

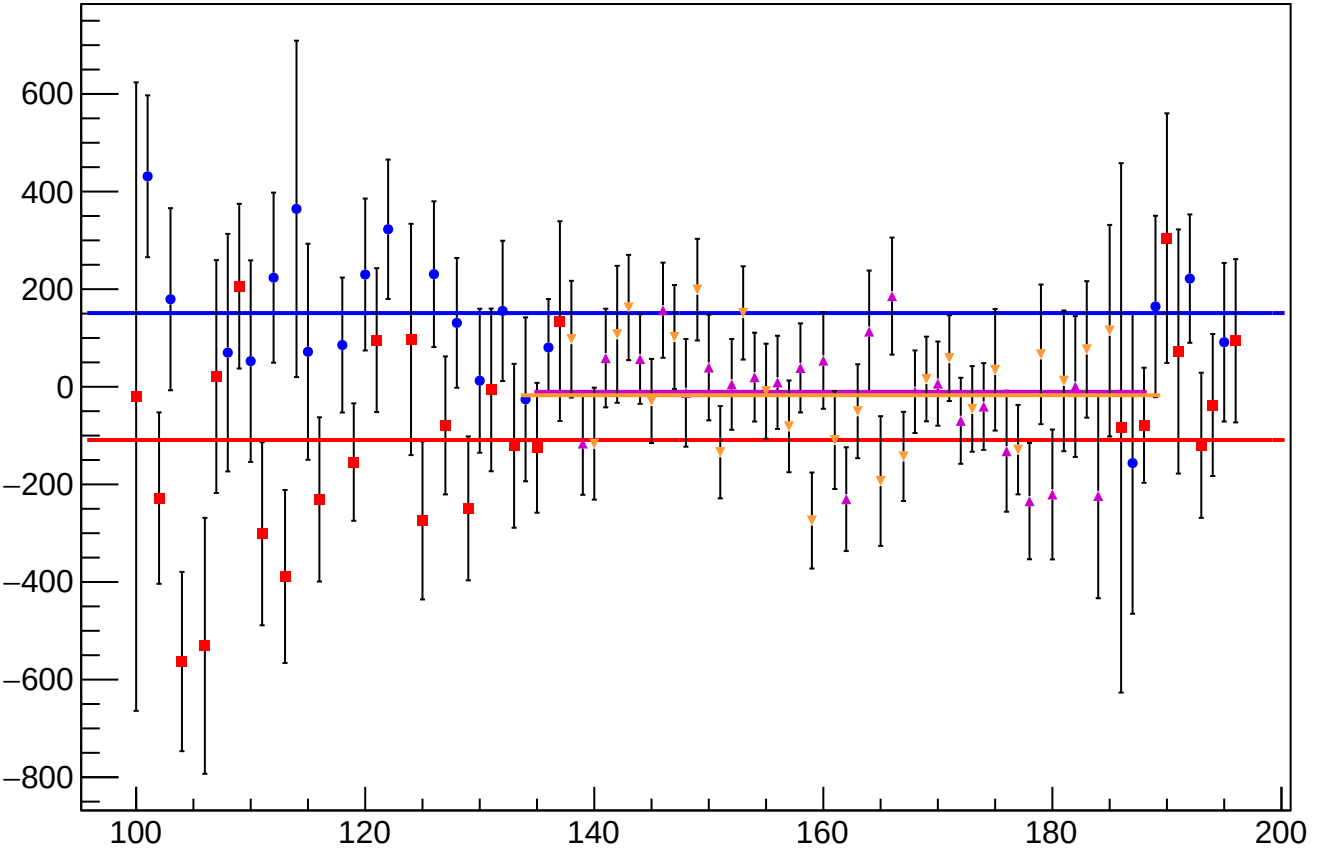
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 957.316+/-0.132 χ^2/NDF: 5646002.9/44

All: 973.127+/-0.095 χ^2/NDF: 13244330.4/93

- sign 989.888+/-0.136 χ^2/NDF: 7568926.3/48

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 151.049+/-35.855 χ^2/NDF: 10.1/19

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.014+/-33.692 χ^2/NDF: 28.6/25

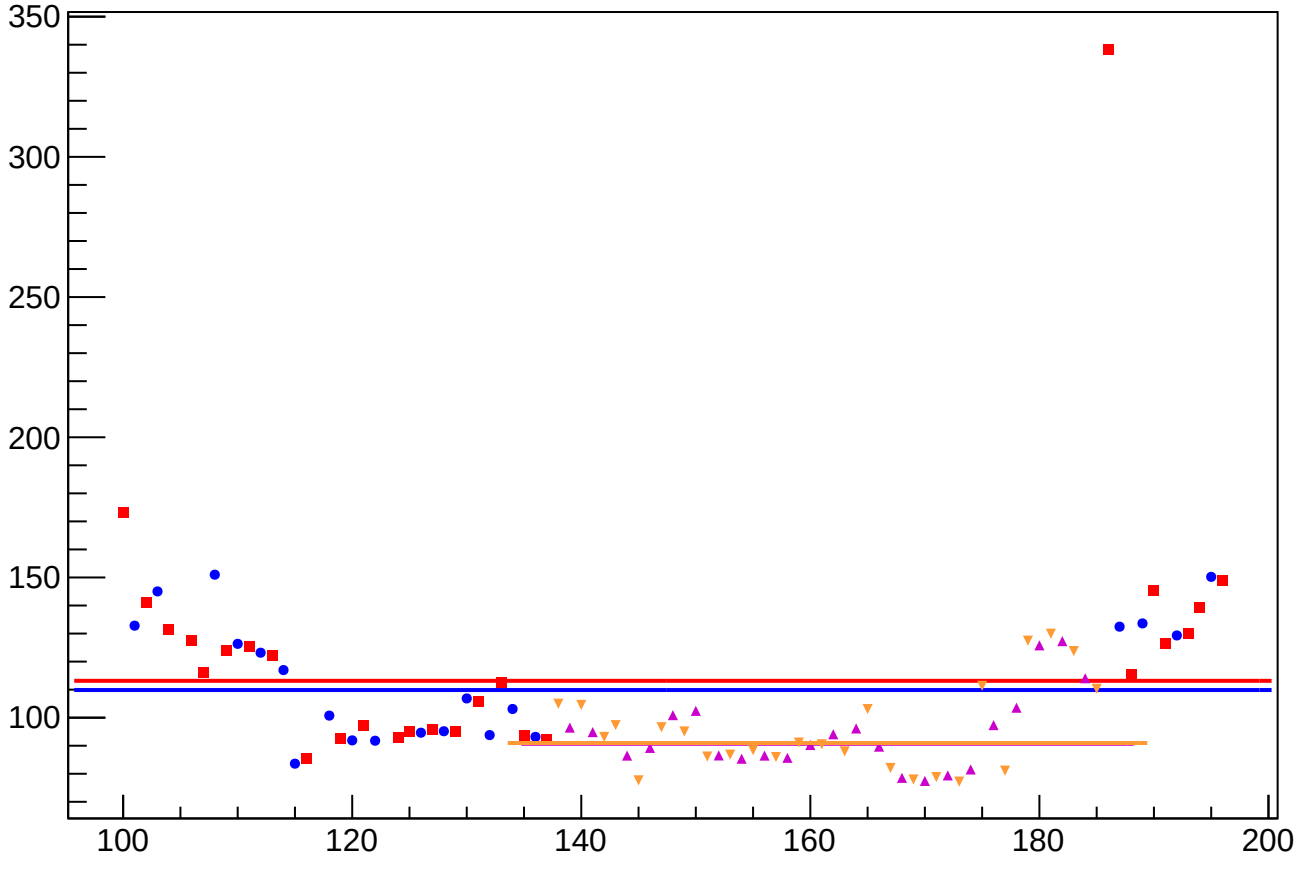
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.617+/-18.112 χ^2/NDF: 57.7/44

All: -6.642+/-12.812 χ^2/NDF: 121.3/93

- sign -38.951+/-18.126 χ^2/NDF: 57.3/48

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 109.857+/-0.025 χ^2/NDF: 628983.4/19

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

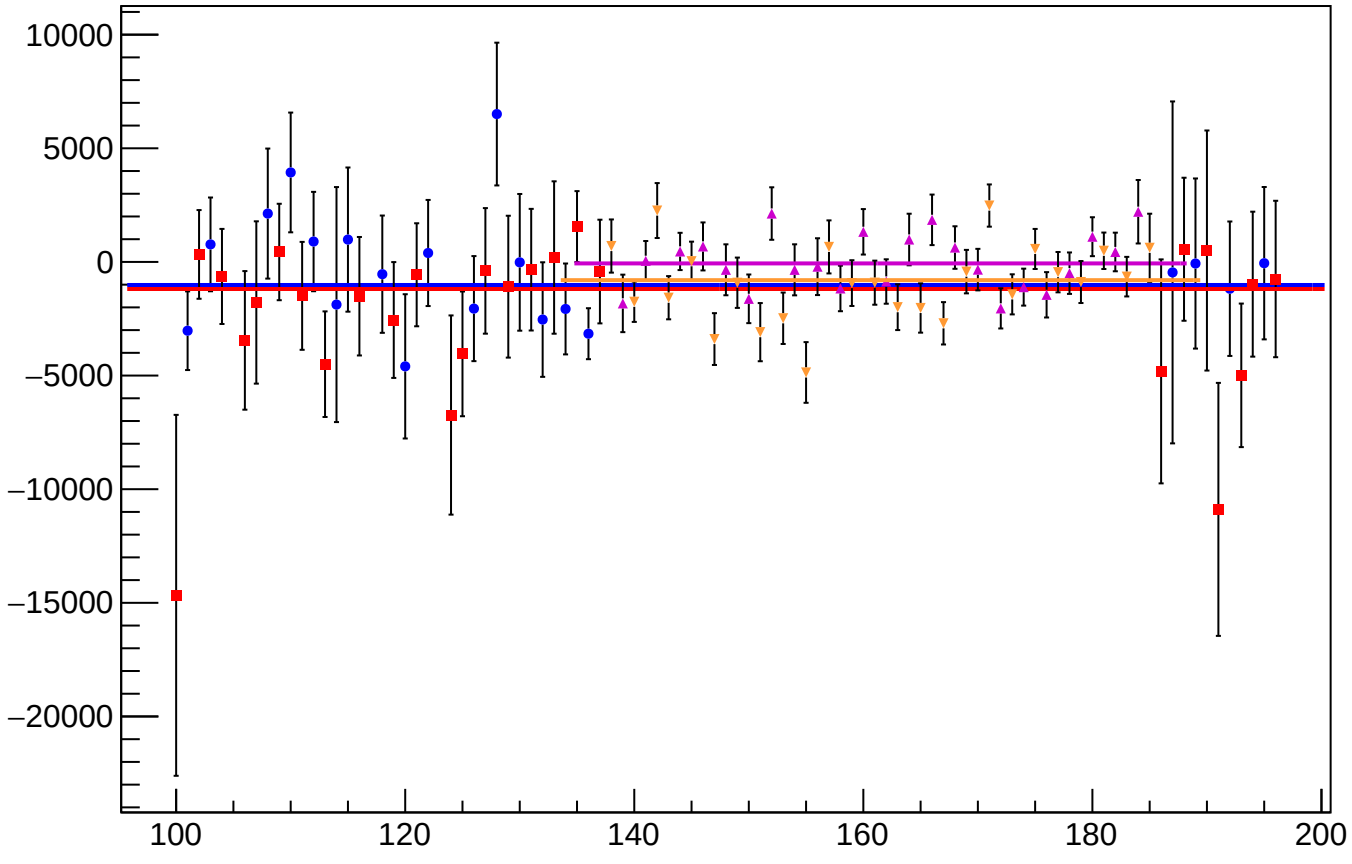
Right Out: 113.149+/-0.024 χ^2/NDF: 982927.0/25

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 95.787+/-0.013 χ^2/NDF: 1826996.9/44

All: 96.488+/-0.009 χ^2/NDF: 3993368.0/93

- sign 97.191+/-0.013 χ^2/NDF: 2160373.4/48



Right In: -1014.640+/-533.904 χ^2/NDF: 20.2/19

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

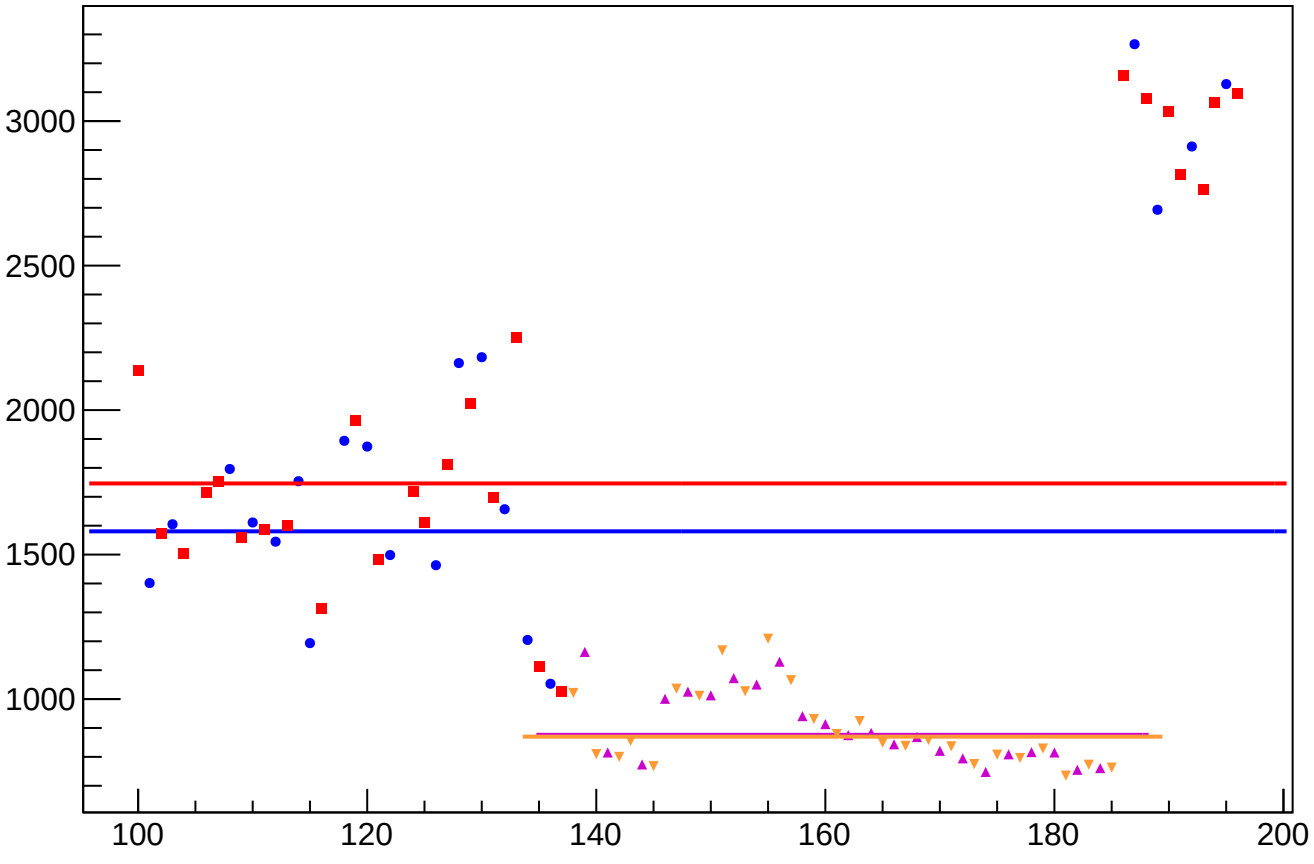
Right Out: -1191.045+/-533.238 χ^2/NDF: 18.9/25

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -828.599+/-187.168 χ^2/NDF: 78.7/44

All: -529.415+/-134.264 χ^2/NDF: 137.4/93

- sign -212.257+/-192.708 χ^2/NDF: 53.4/48



Right In: 1580.427+/-0.378 χ^2/NDF: 1892844.6/19

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1746.184+/-0.377 χ^2/NDF: 2344118.5/25

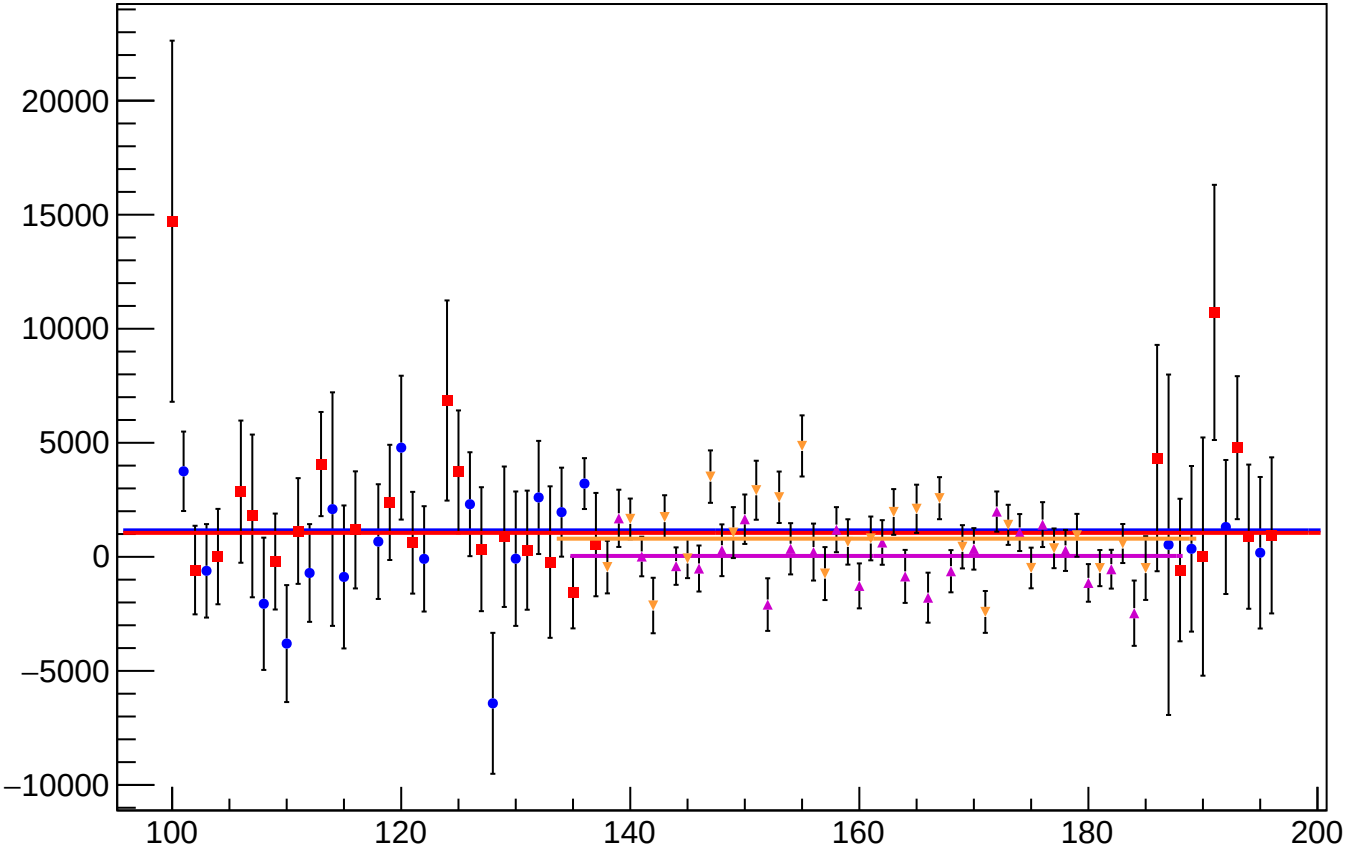
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 957.315+/-0.132 χ^2/NDF: 5645997.0/44

All: 973.126+/-0.095 χ^2/NDF: 13244319.5/93

- sign 989.887+/-0.136 χ^2/NDF: 7568921.5/48

asym_sam_24_68_dd_mean vs Slug



Right In: 1160.721+/-528.117 χ^2/NDF: 21.3/19

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1051.569+/-529.058 χ^2/NDF: 17.8/25

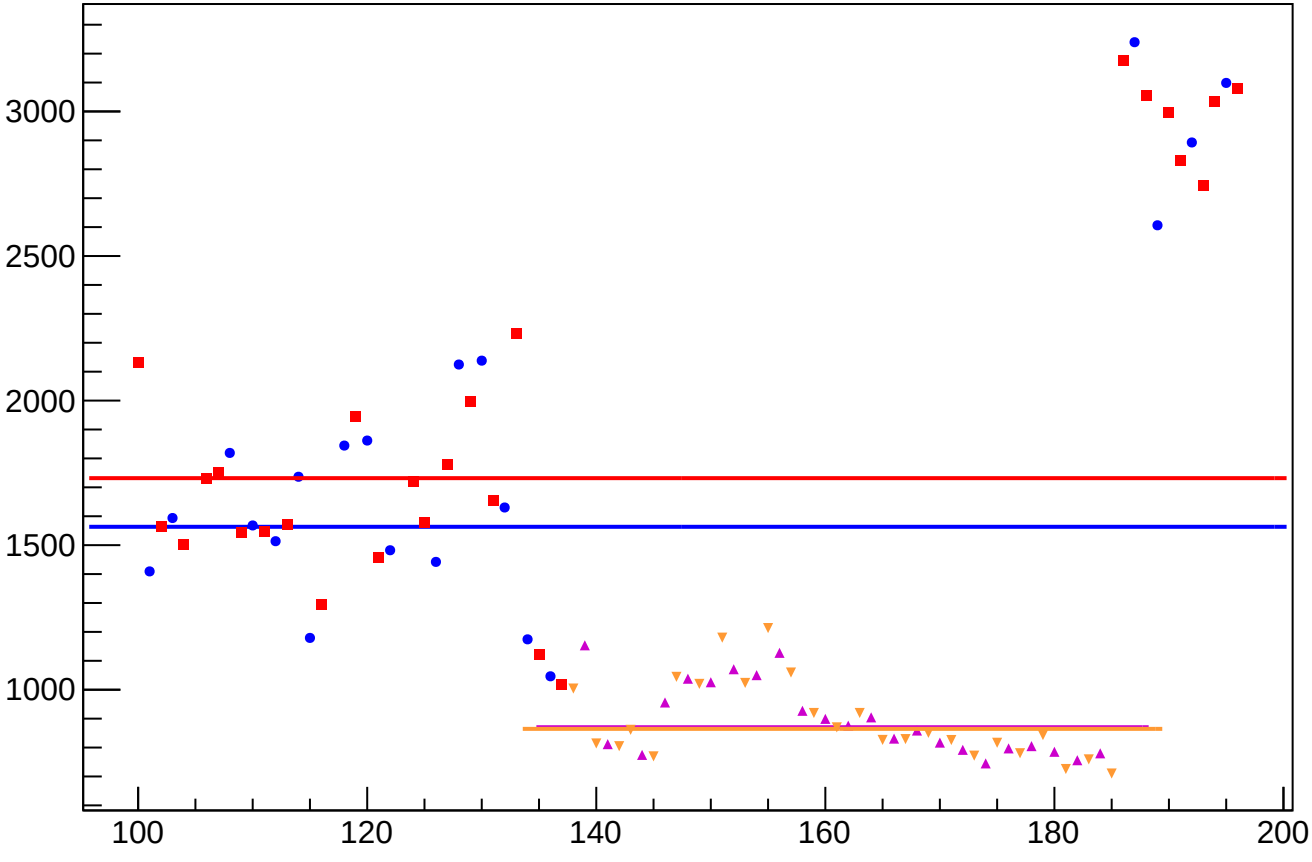
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 841.519+/-186.056 χ^2/NDF: 78.9/44

All: 516.405+/-133.423 χ^2/NDF: 135.9/93

- sign 172.223+/-191.435 χ^2/NDF: 50.7/48

asym_sam_24_68_dd_rms vs Slug



Right In: 1563.502+/-0.373 χ^2/NDF: 1871735.1/19

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

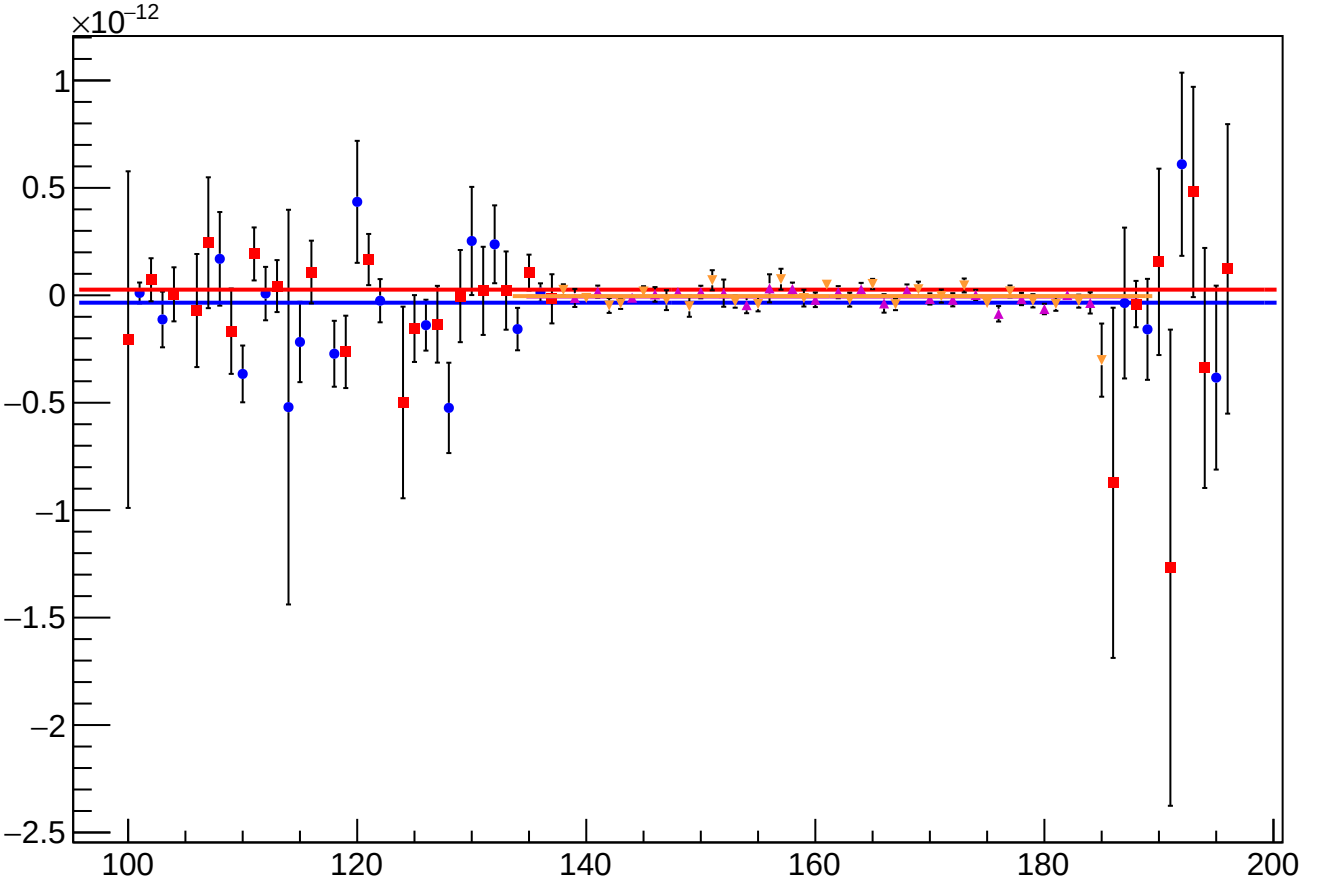
Right Out: 1731.742+/-0.374 χ^2/NDF: 2336527.2/25

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 951.377+/-0.132 χ^2/NDF: 5628315.1/44

All: 966.800+/-0.094 χ^2/NDF: 13205361.1/93

- sign 983.128+/-0.135 χ^2/NDF: 7548753.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

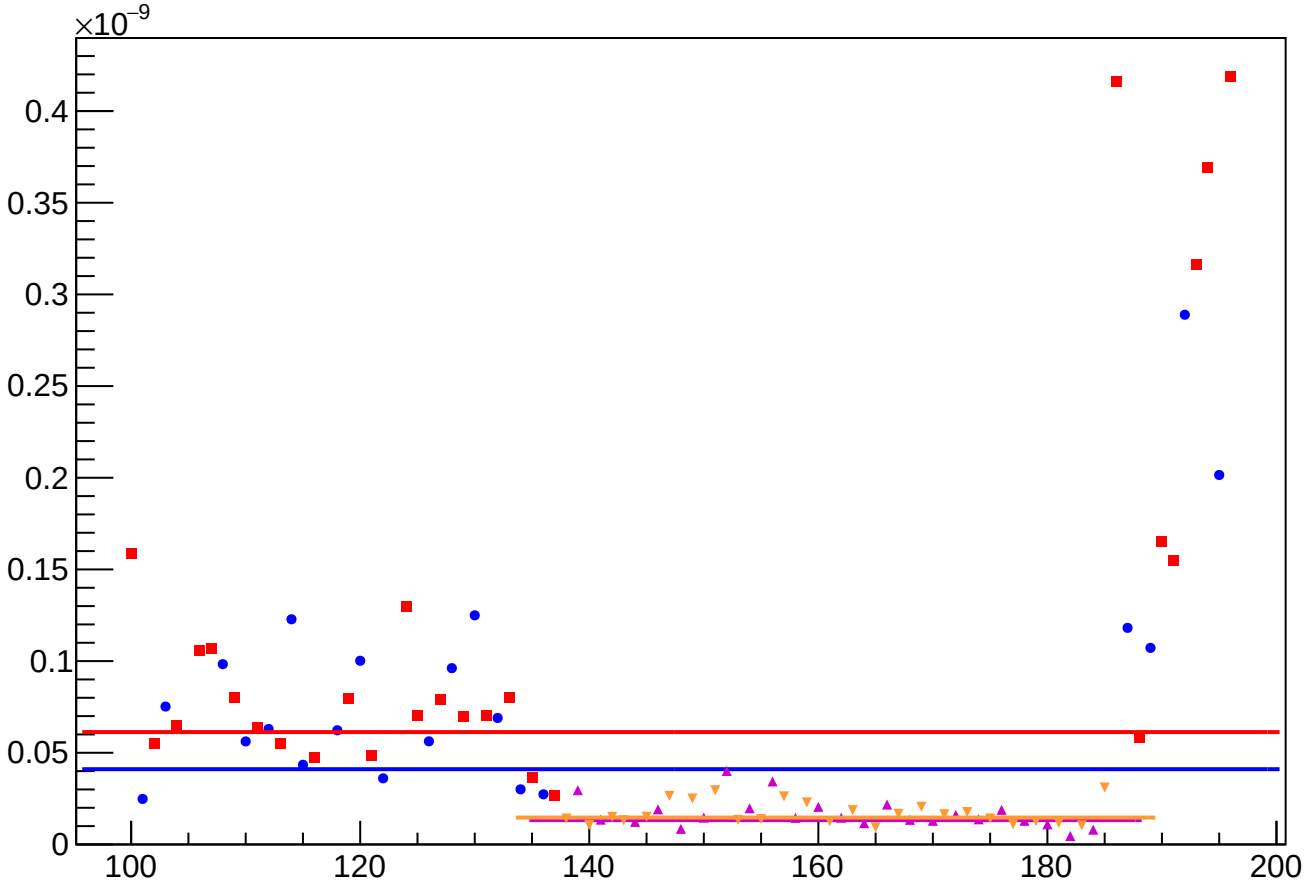
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/44

All: -0.000+/-0.000 χ^2/NDF: 109.8/93

- sign -0.000+/-0.000 χ^2/NDF: 39.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 2615468.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

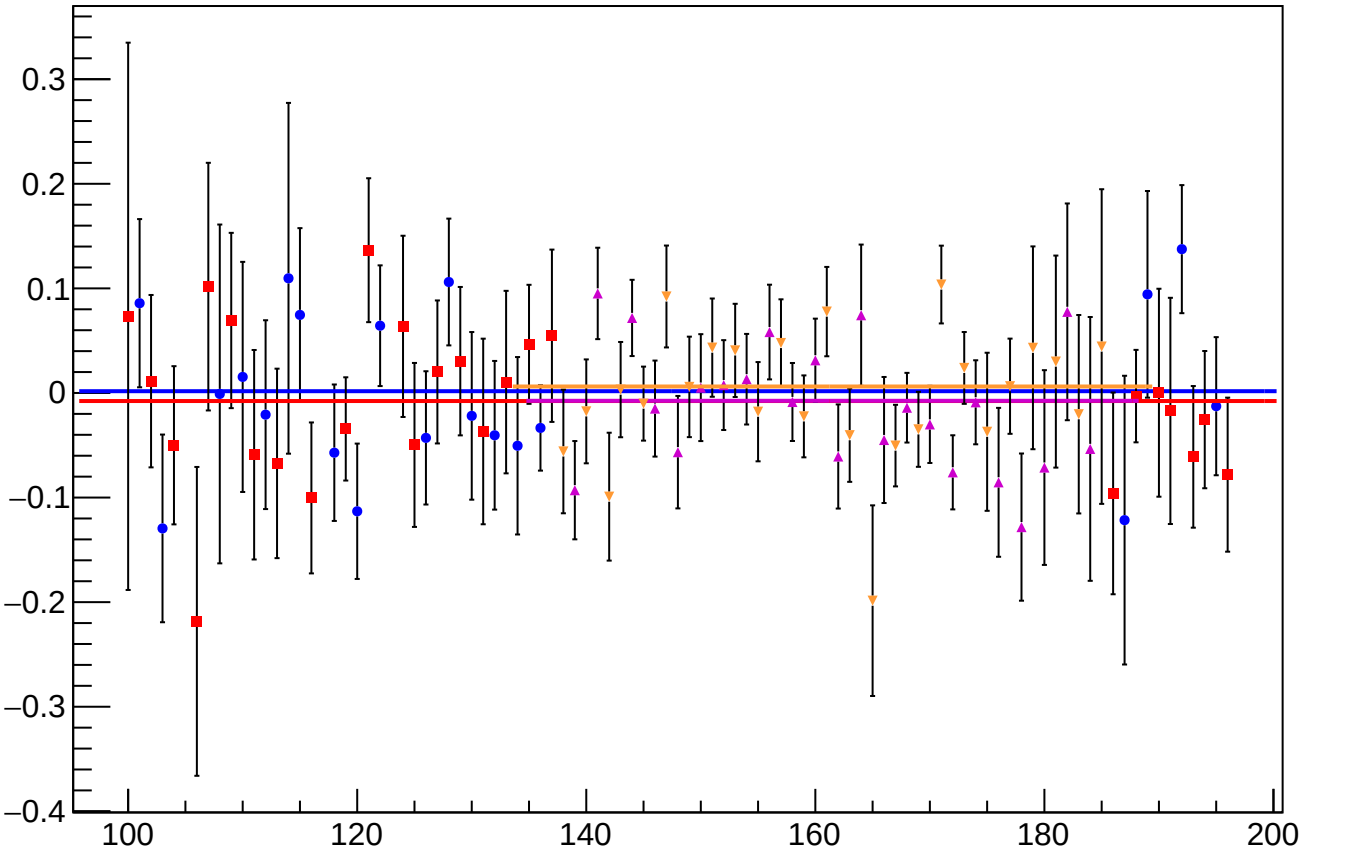
Right Out: 0.000+/-0.000 χ^2/NDF: 2916326.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5833942.4/44

All: 0.000+/-0.000 χ^2/NDF: 15126265.4/93

- sign 0.000+/-0.000 χ^2/NDF: 9248554.3/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

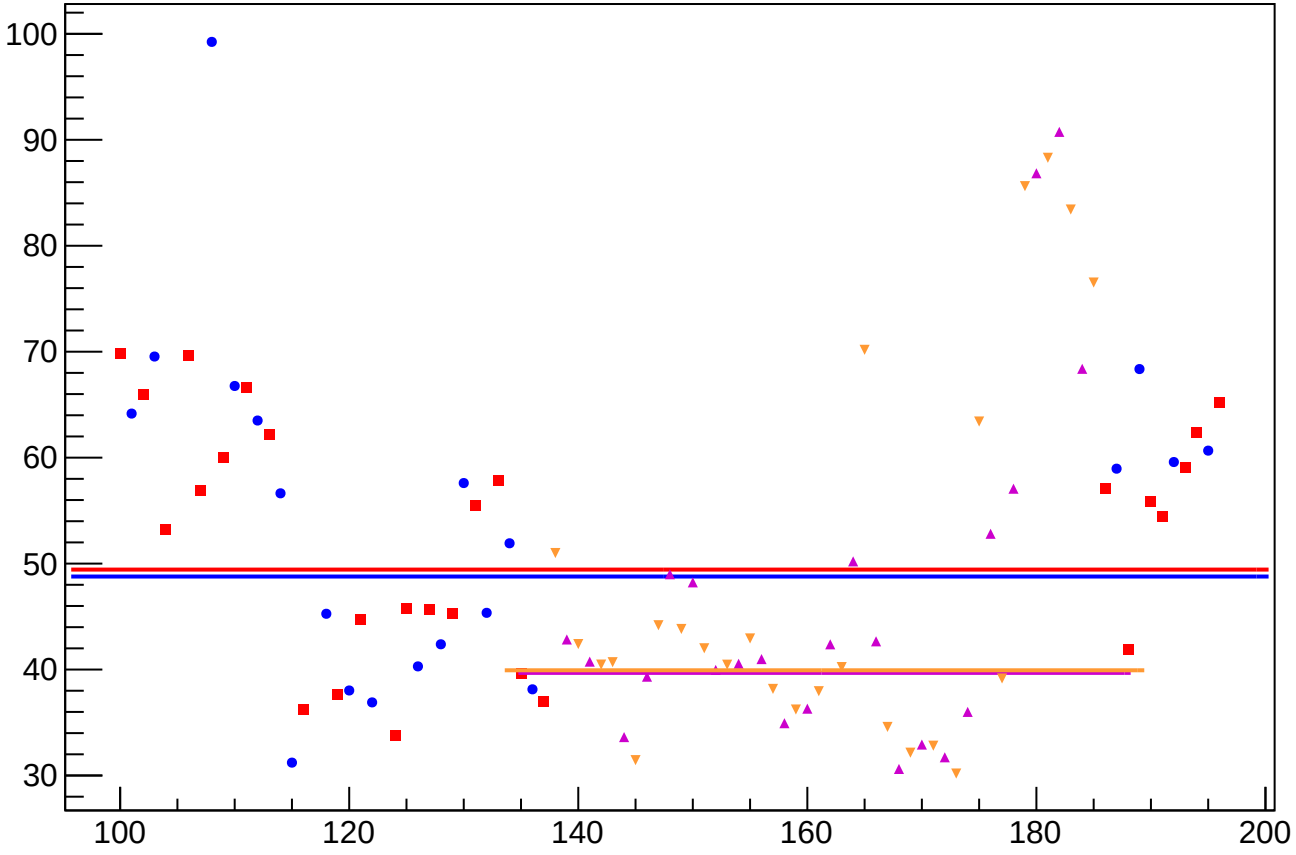
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/44

All: -0.001+/-0.006 χ^2/NDF: 100.5/93

- 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: 48.780+/-0.012 χ^2/NDF: 1162812.0/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

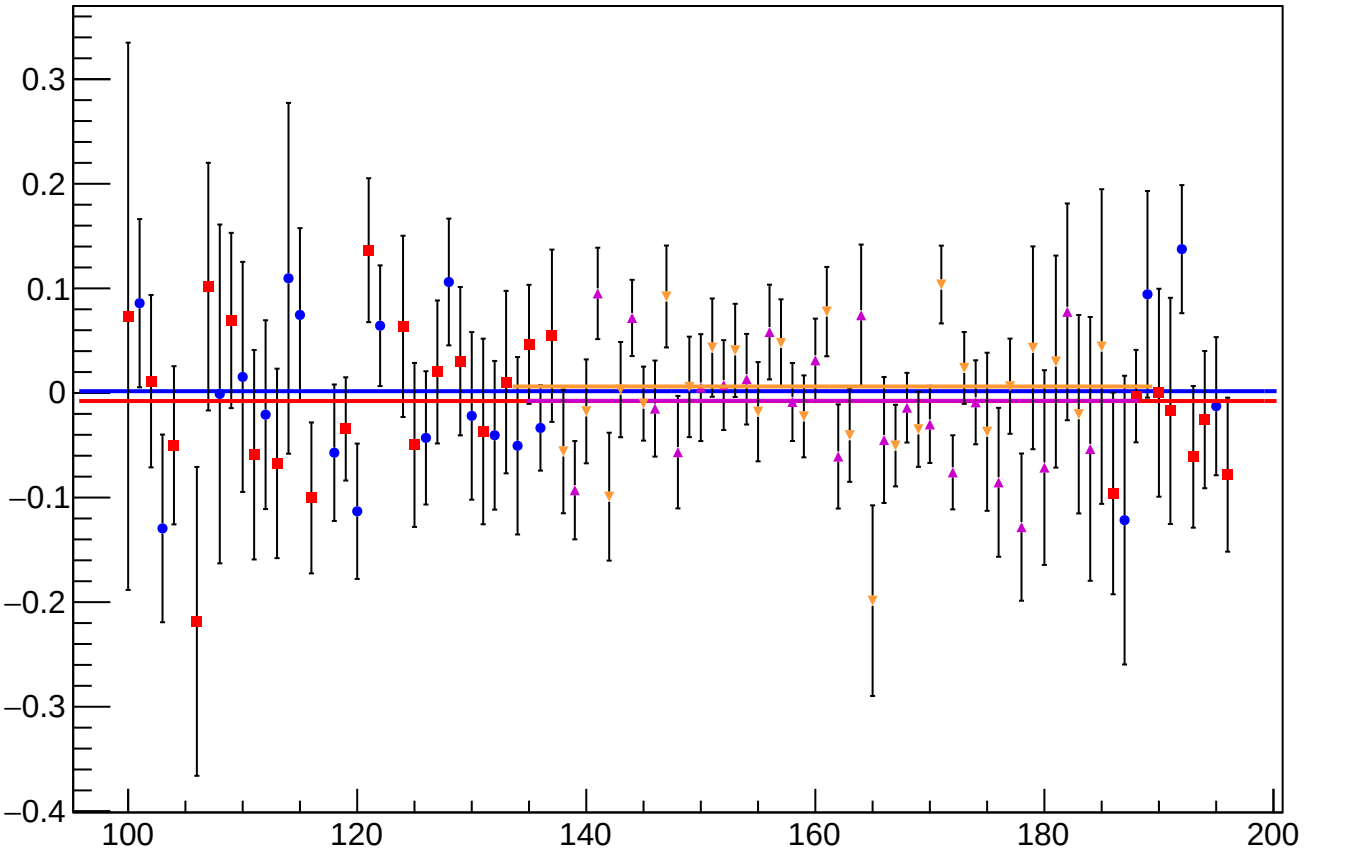
Right Out: 49.435+/-0.011 χ^2/NDF: 971552.6/25

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.189+/-0.006 χ^2/NDF: 4074568.4/44

All: 42.404+/-0.004 χ^2/NDF: 7562523.2/93

- sign 42.615+/-0.006 χ^2/NDF: 3485258.9/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

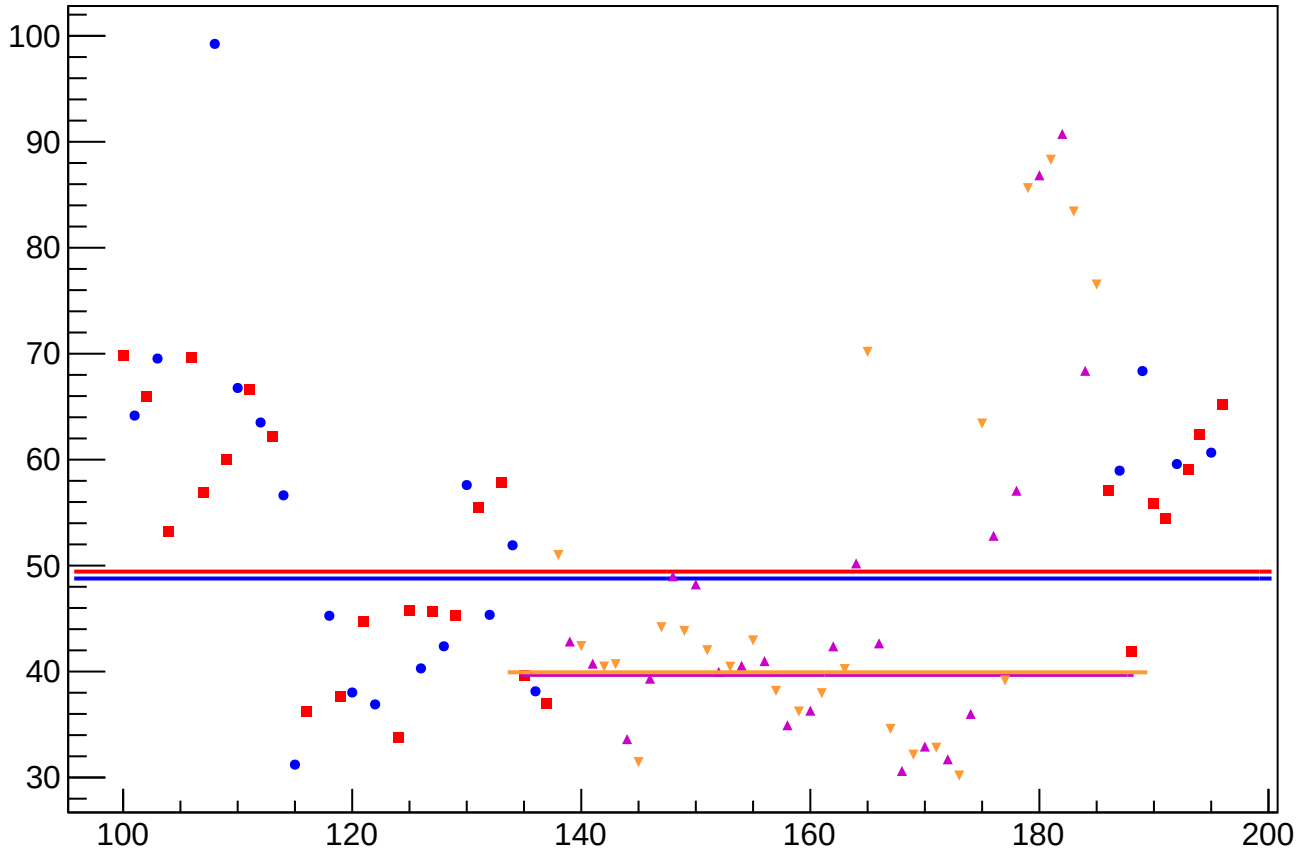
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/44

All: -0.001+/-0.006 χ^2/NDF: 100.5/93

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 48.780+/-0.012 χ^2/NDF: 1162812.0/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

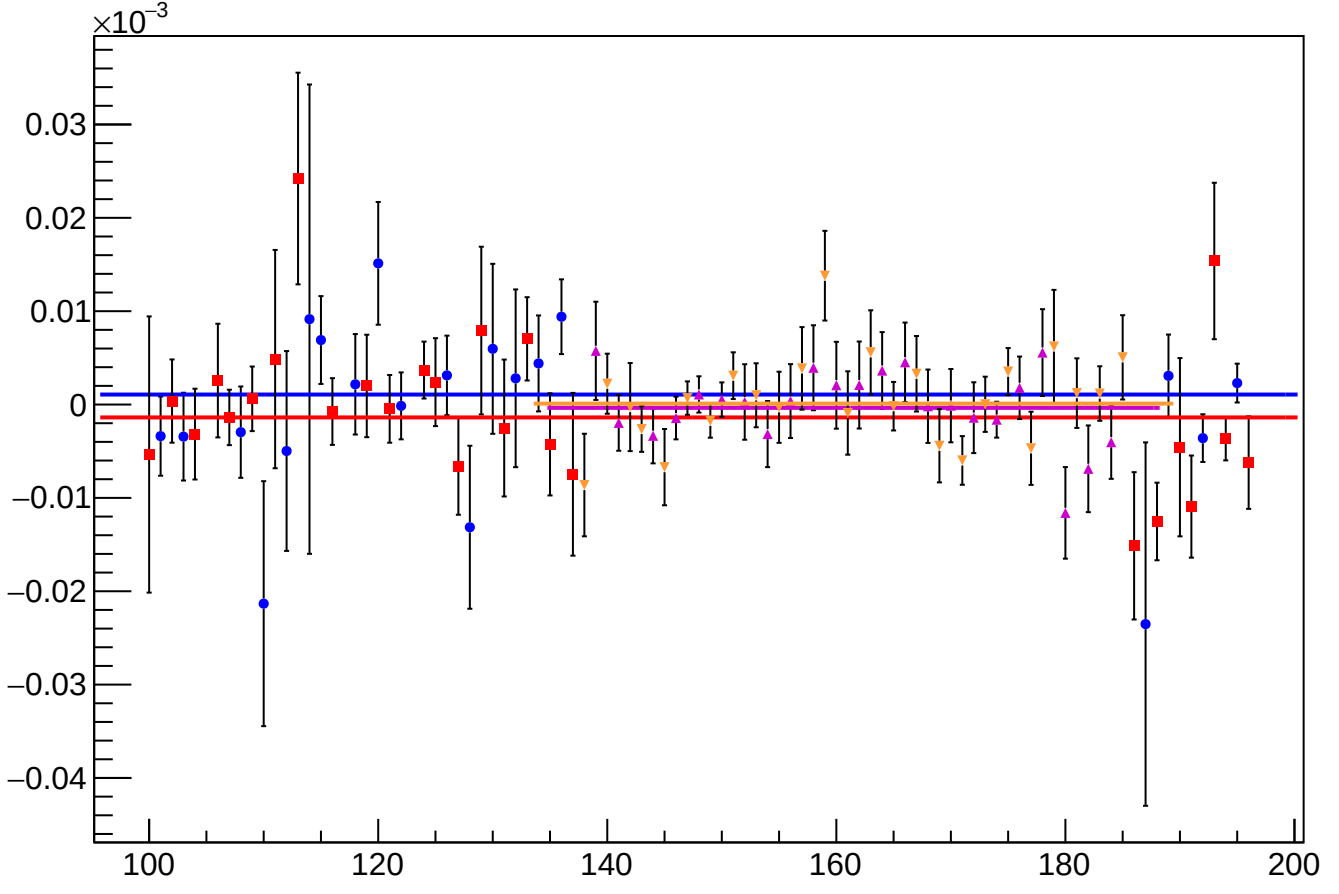
Right Out: 49.435+/-0.011 χ^2/NDF: 971552.6/25

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.189+/-0.006 χ^2/NDF: 4074568.4/44

All: 42.404+/-0.004 χ^2/NDF: 7562523.2/93

- sign 42.615+/-0.006 χ^2/NDF: 3485258.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

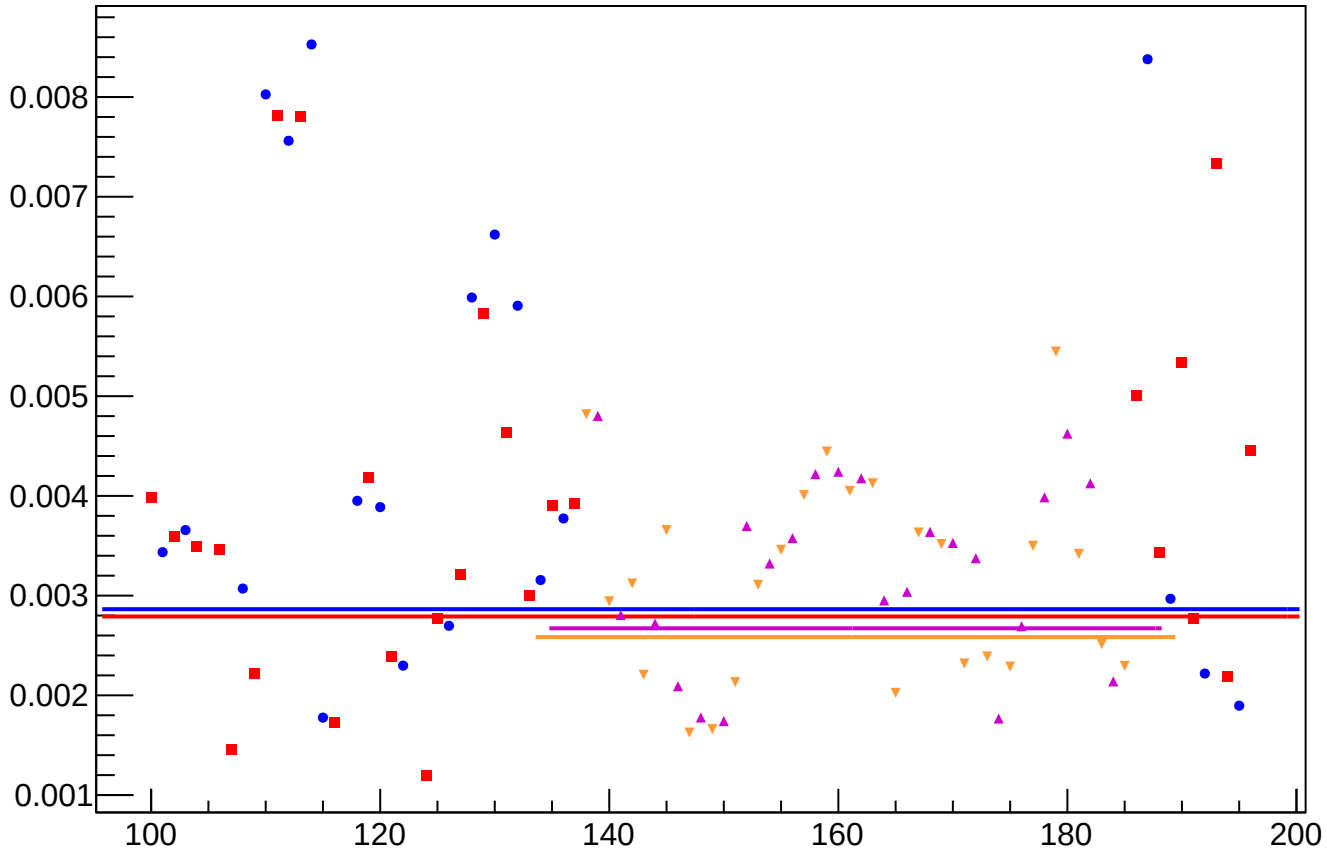
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/25

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/44

All: -0.000+/-0.000 χ^2/NDF: 117.4/93

- sign -0.000+/-0.000 χ^2/NDF: 55.7/48



Right In: 0.003+/-0.000 χ^2/NDF: 2816726.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

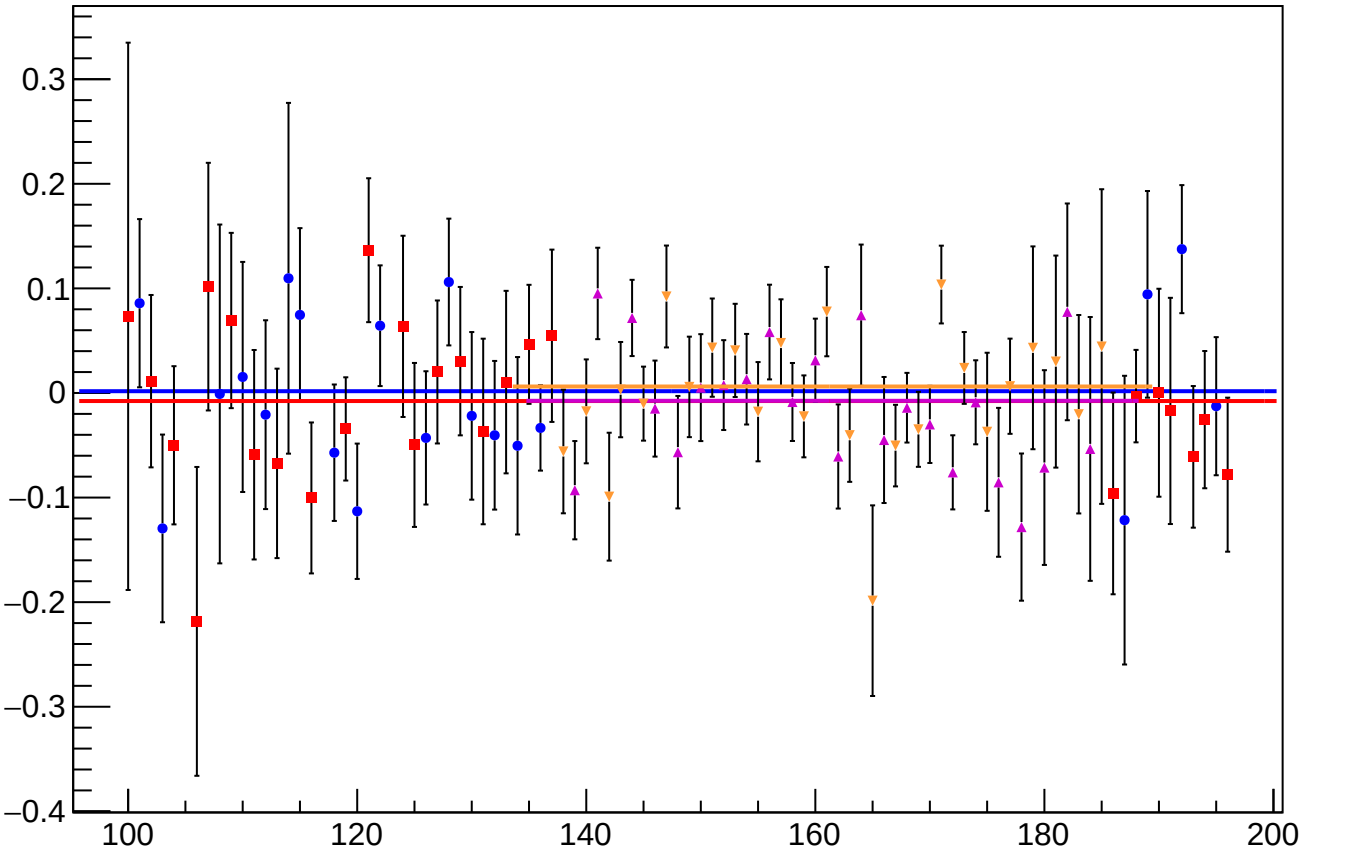
Right Out: 0.003+/-0.000 χ^2/NDF: 4026794.4/25

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6819137.5/44

All: 0.003+/-0.000 χ^2/NDF: 14703034.7/93

- sign 0.003+/-0.000 χ^2/NDF: 7874464.1/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

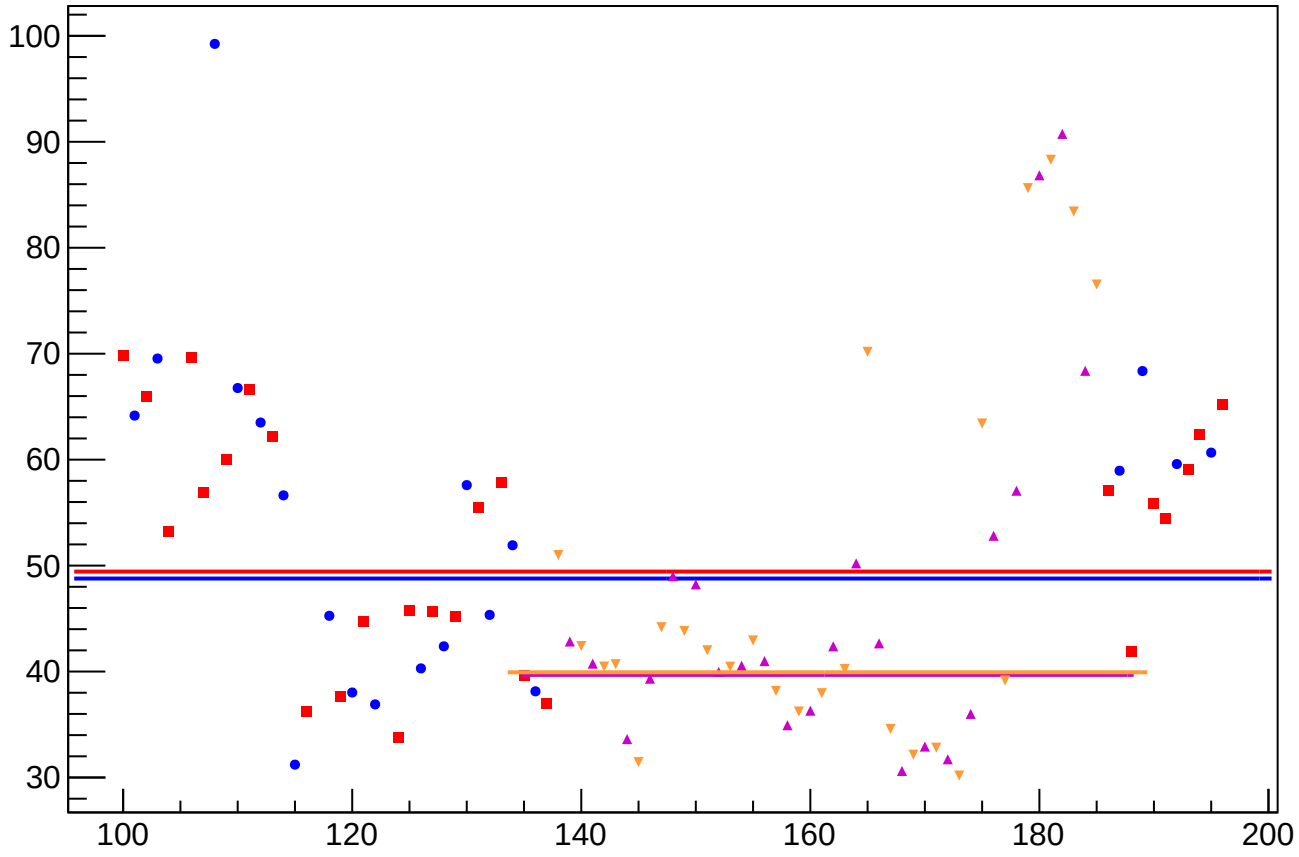
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/44

All: -0.001+/-0.006 χ^2/NDF: 100.5/93

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

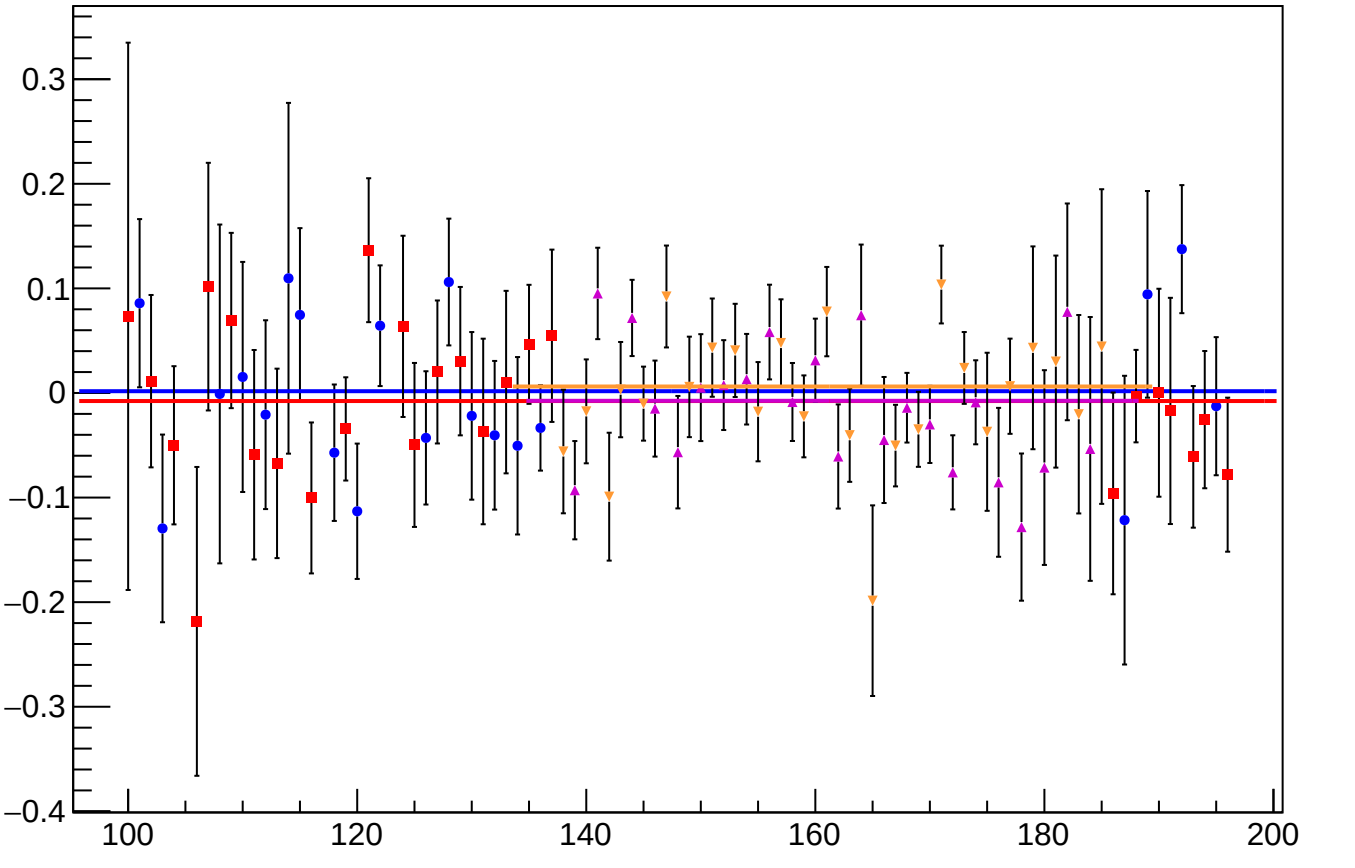
Right Out: 49.434+/-0.011 χ^2/NDF: 971542.6/25

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.188+/-0.006 χ^2/NDF: 4074489.1/44

All: 42.404+/-0.004 χ^2/NDF: 7562400.5/93

- sign 42.615+/-0.006 χ^2/NDF: 3485217.0/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

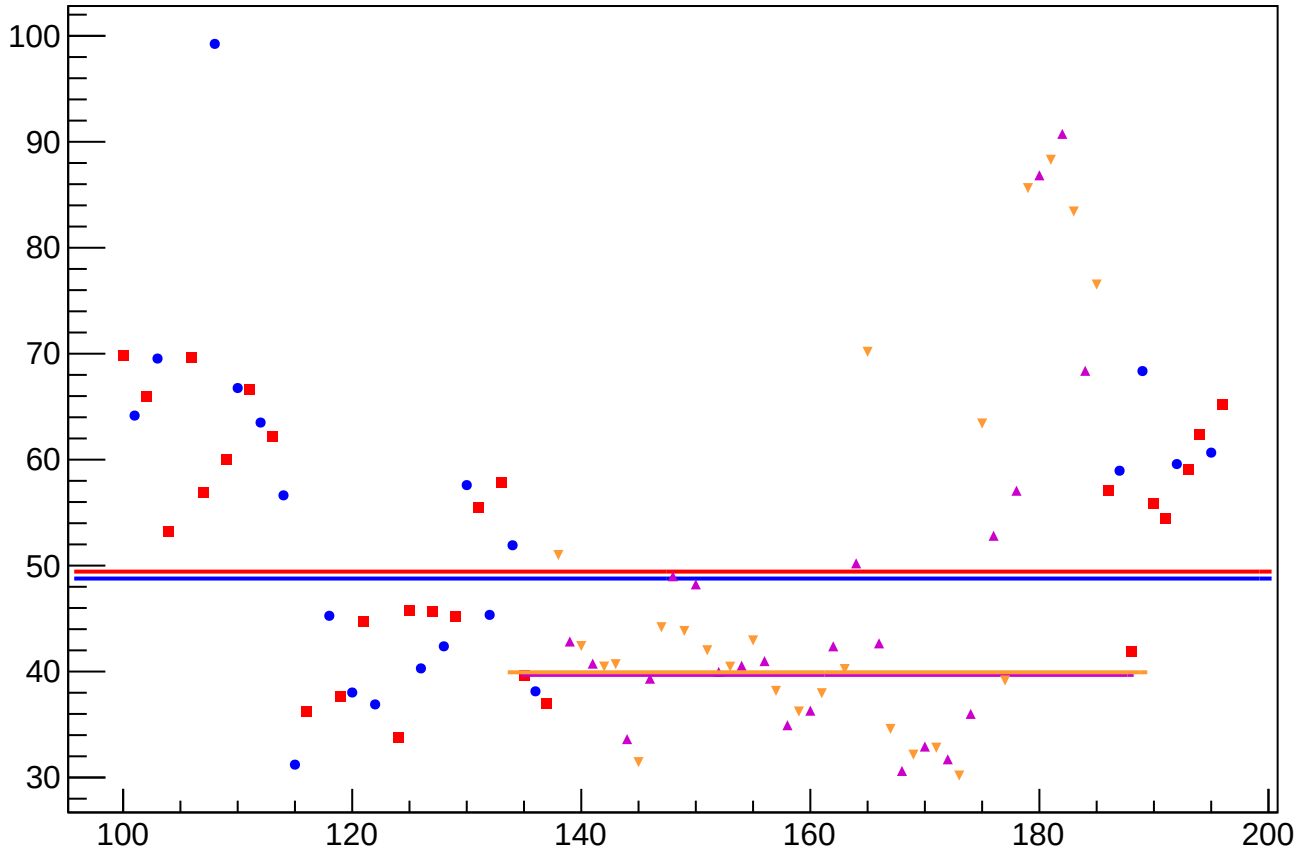
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/44

All: -0.001+/-0.006 χ^2/NDF: 100.5/93

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

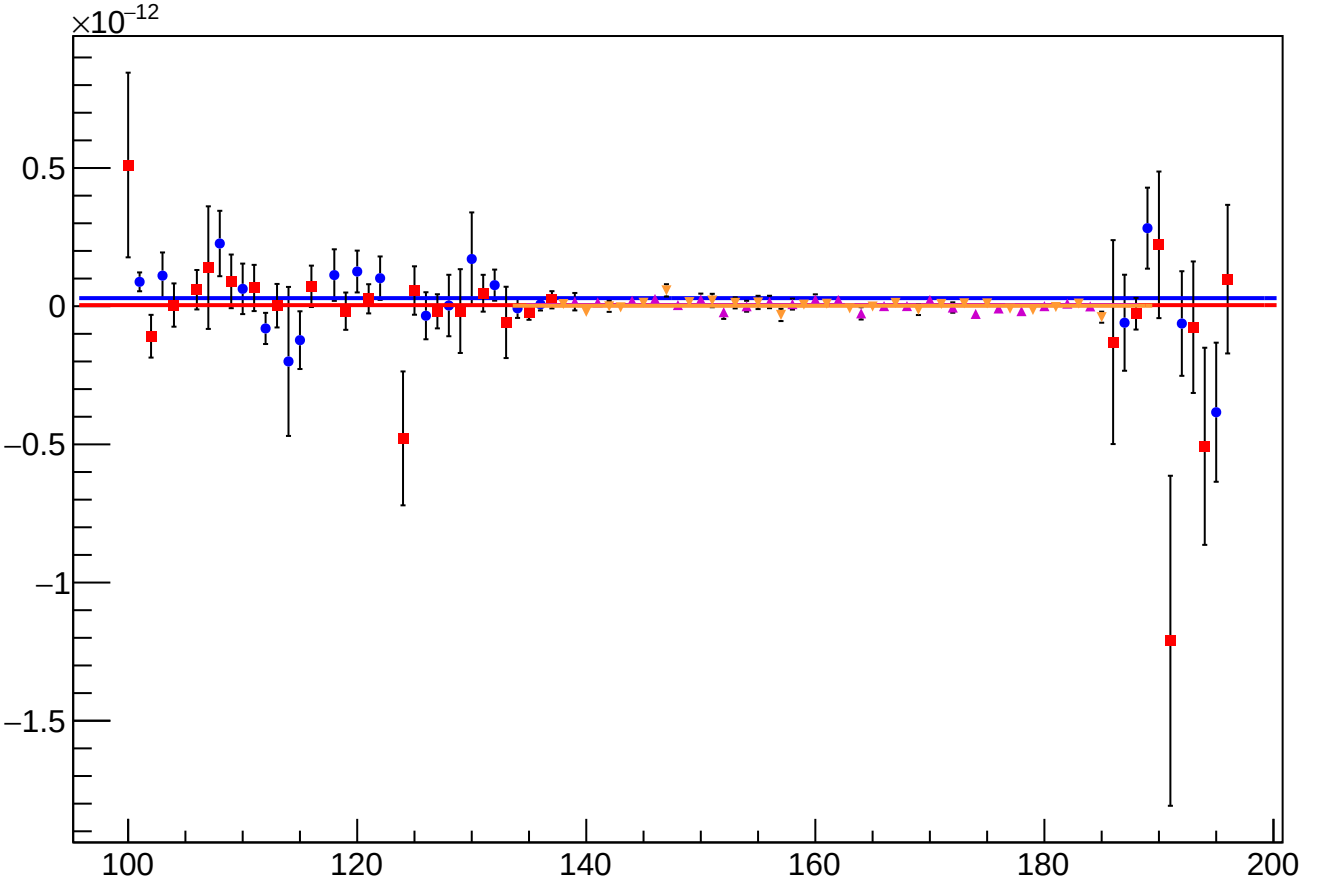
Right Out: 49.434+/-0.011 χ^2/NDF: 971542.6/25

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.188+/-0.006 χ^2/NDF: 4074489.1/44

All: 42.404+/-0.004 χ^2/NDF: 7562400.5/93

- sign 42.615+/-0.006 χ^2/NDF: 3485217.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

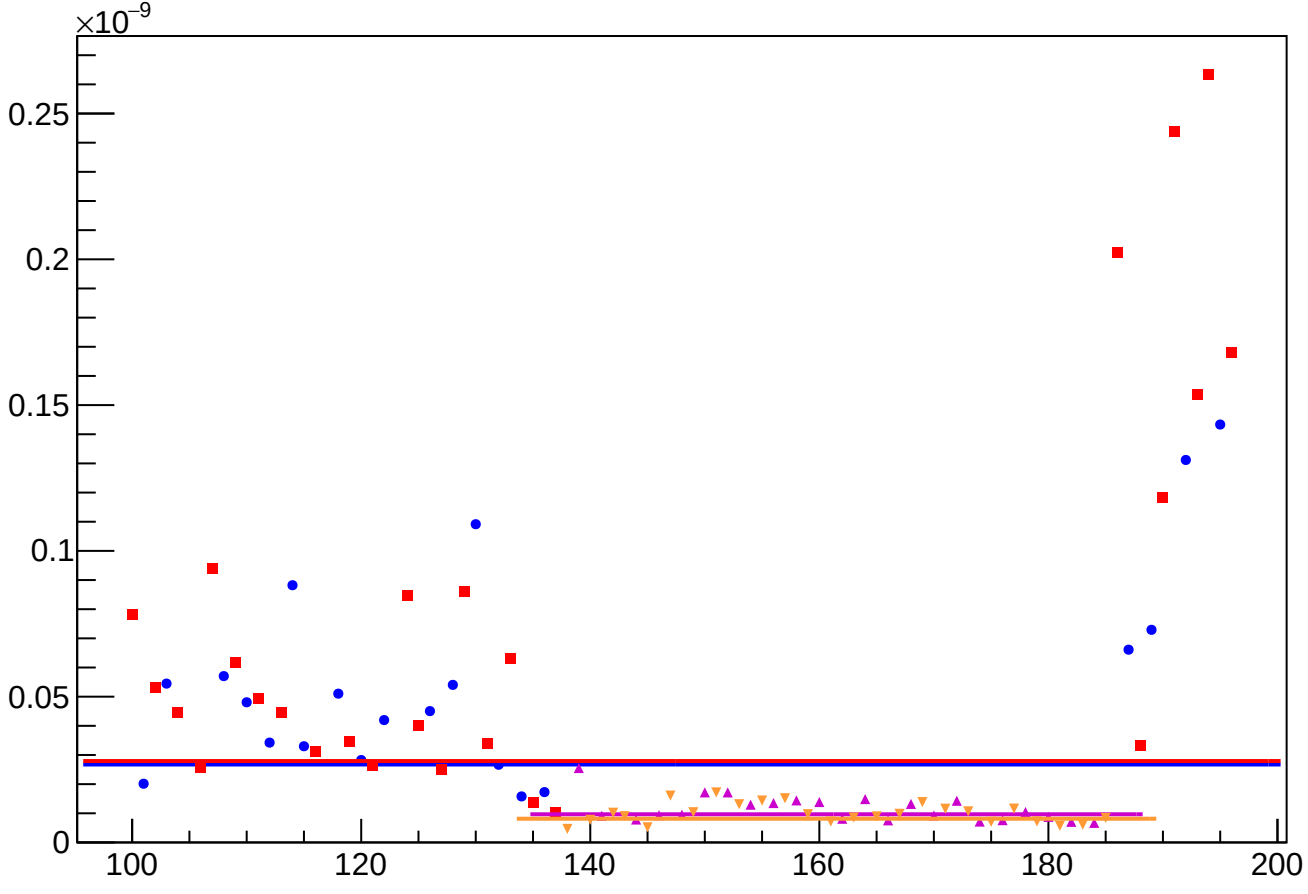
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/44

All: 0.000+/-0.000 χ^2/NDF: 108.6/93

- sign 0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3482428.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5771353.2/25

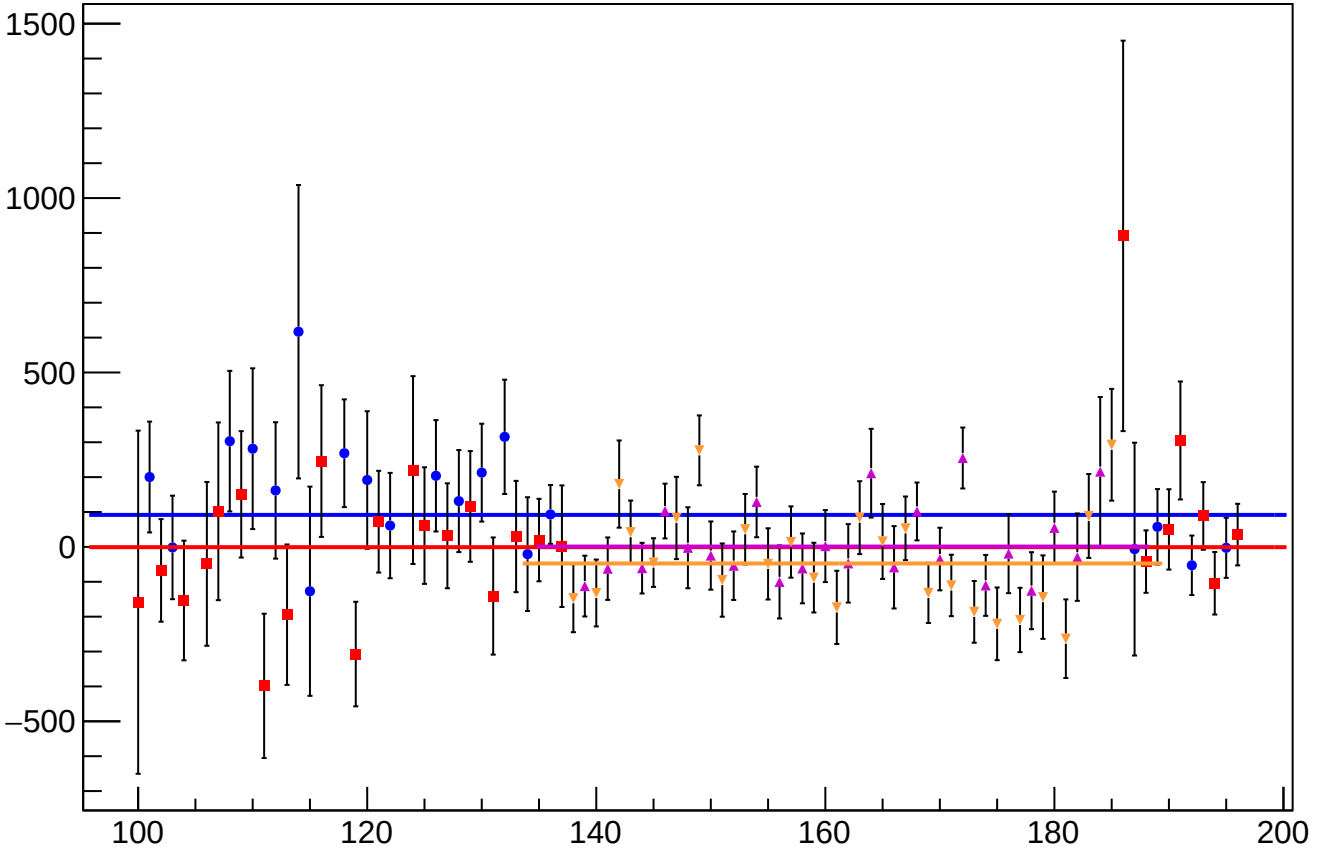
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9570161.0/44

All: 0.000+/-0.000 χ^2/NDF: 21147694.4/93

- sign 0.000+/-0.000 χ^2/NDF: 11201579.0/48

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 91.743+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.792+/-28.637 χ^2/NDF: 23.1/25

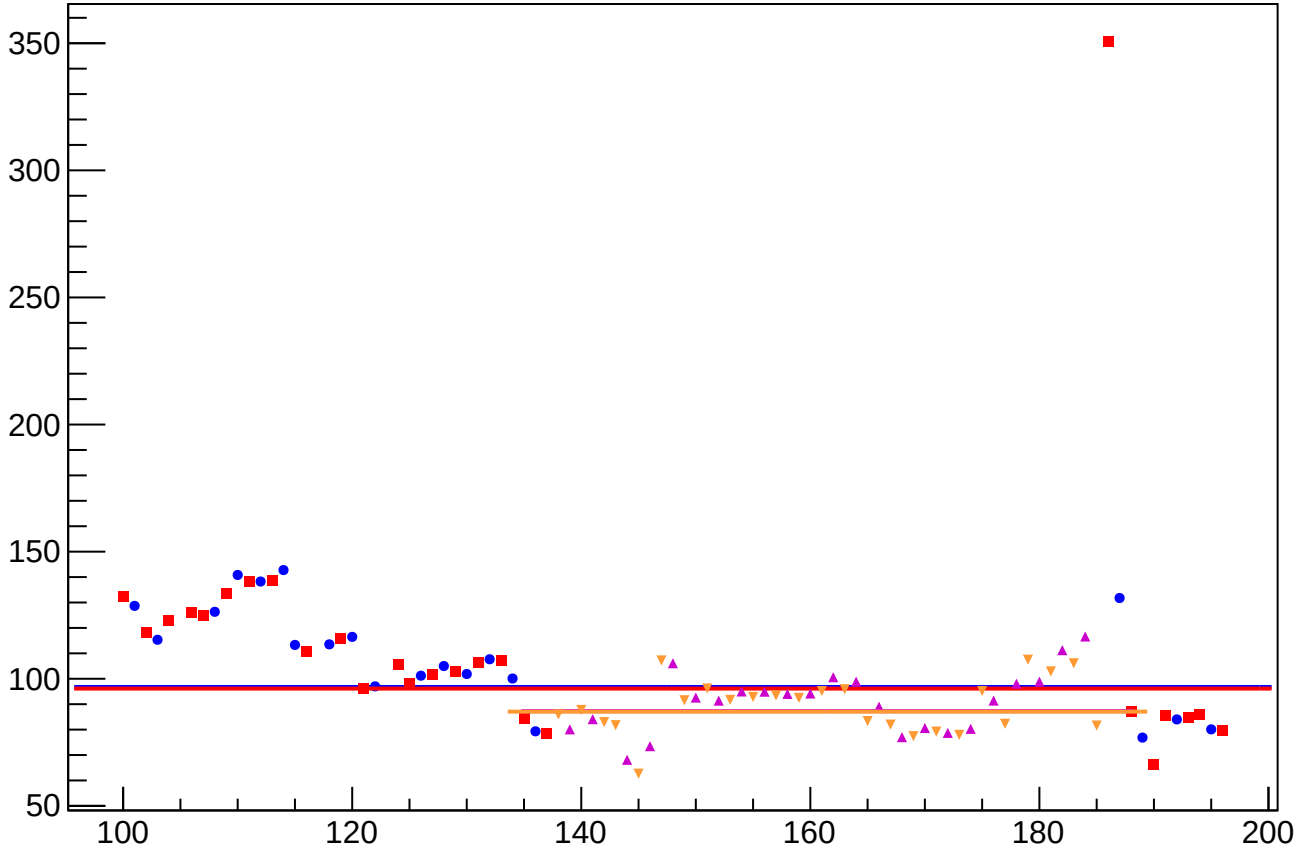
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.690+/-16.885 χ^2/NDF: 72.3/44

All: -3.617+/-11.882 χ^2/NDF: 120.9/93

- sign 0.380+/-16.725 χ^2/NDF: 48.6/48

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 96.763+/-0.022 χ^2/NDF: 711242.3/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

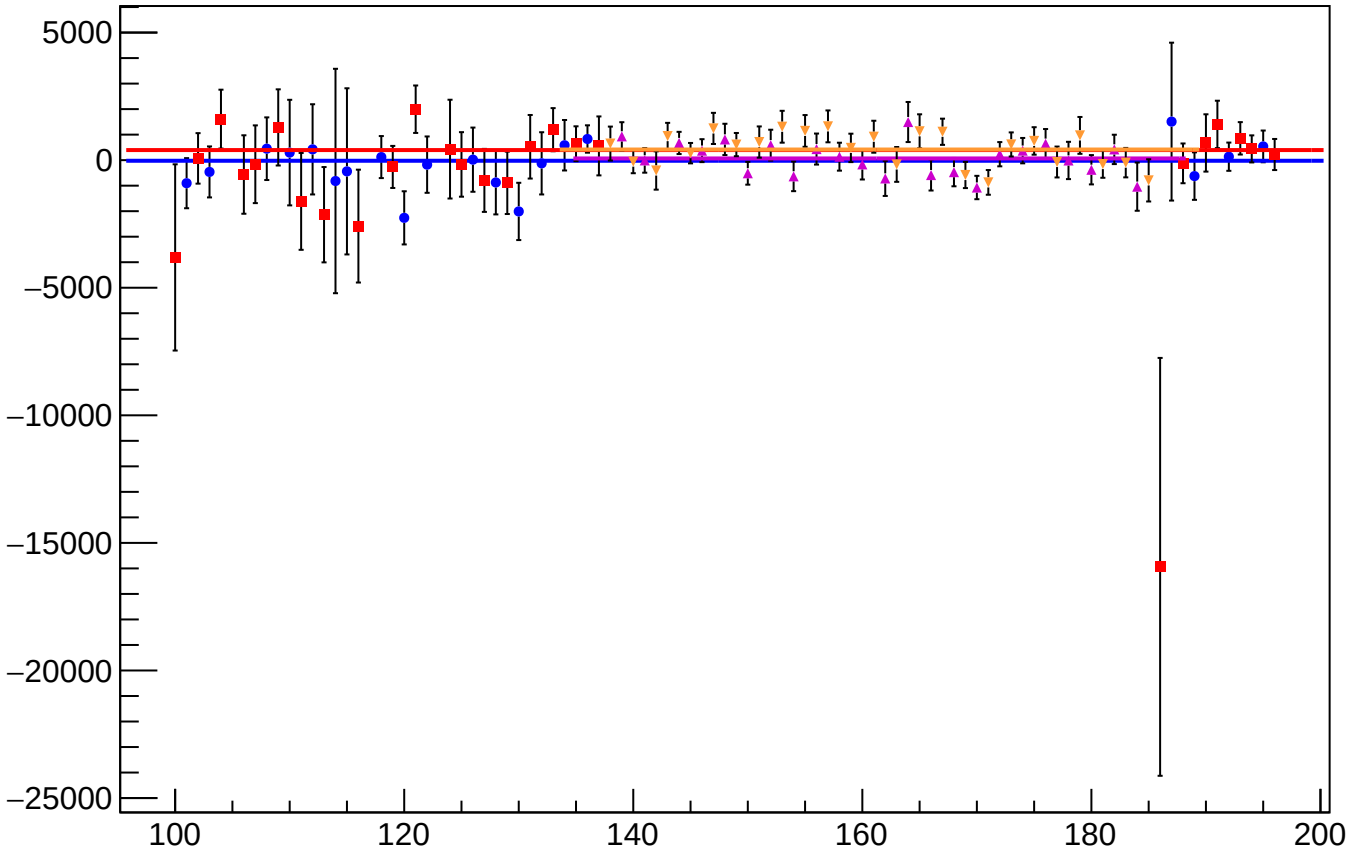
Right Out: 96.139+/-0.020 χ^2/NDF: 1232033.9/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.1/44

All: 90.067+/-0.008 χ^2/NDF: 3421694.5/93

- sign 90.286+/-0.012 χ^2/NDF: 1954599.8/48



Right In: -24.079+/-218.386 χ^2/NDF: 14.0/19

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 394.865+/-195.936 χ^2/NDF: 21.4/25

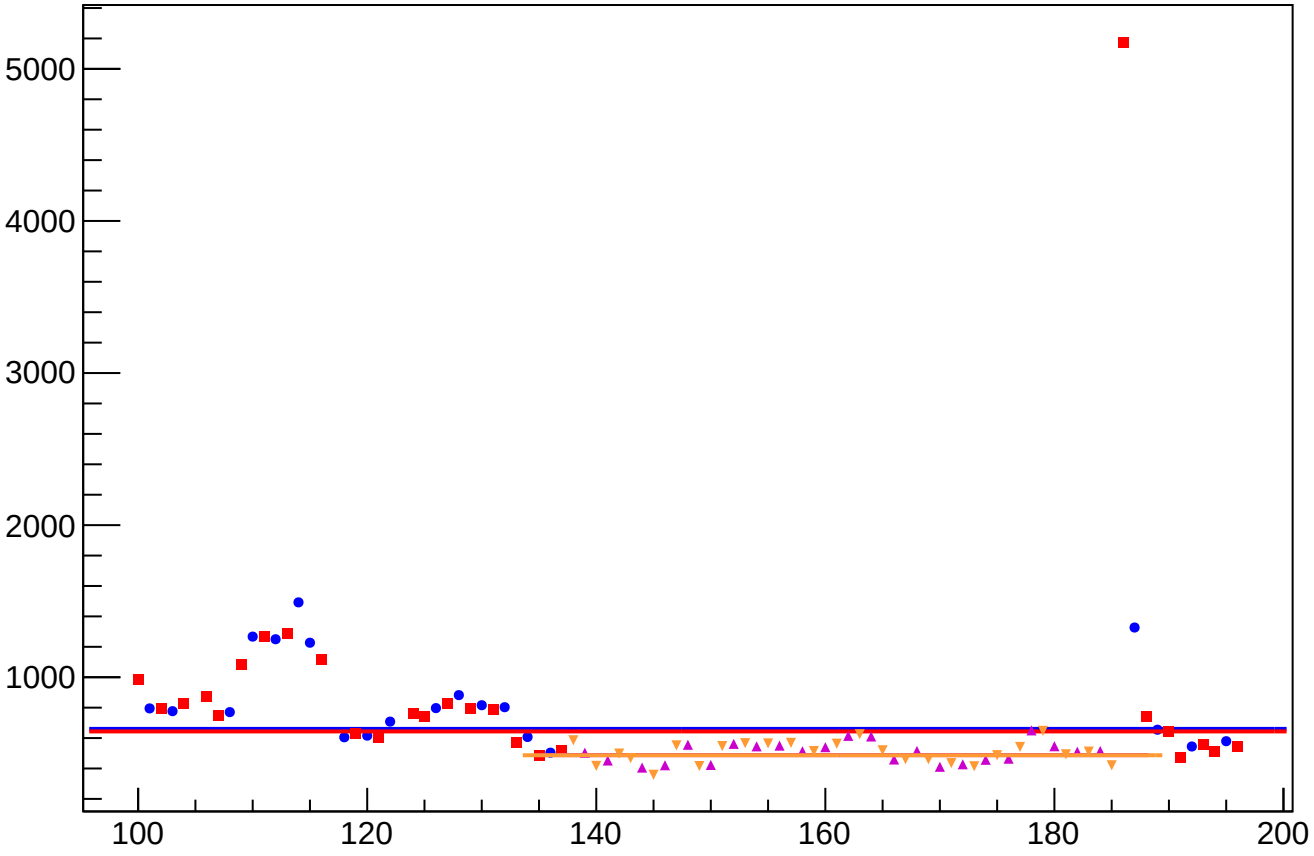
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 324.256+/-99.895 χ^2/NDF: 49.7/44

All: 237.349+/-70.478 χ^2/NDF: 102.1/93

- sign 151.220+/-99.448 χ^2/NDF: 51.0/48

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 660.296+/-0.154 χ^2/NDF: 1166477.2/19

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 643.728+/-0.139 χ^2/NDF: 2091071.0/25

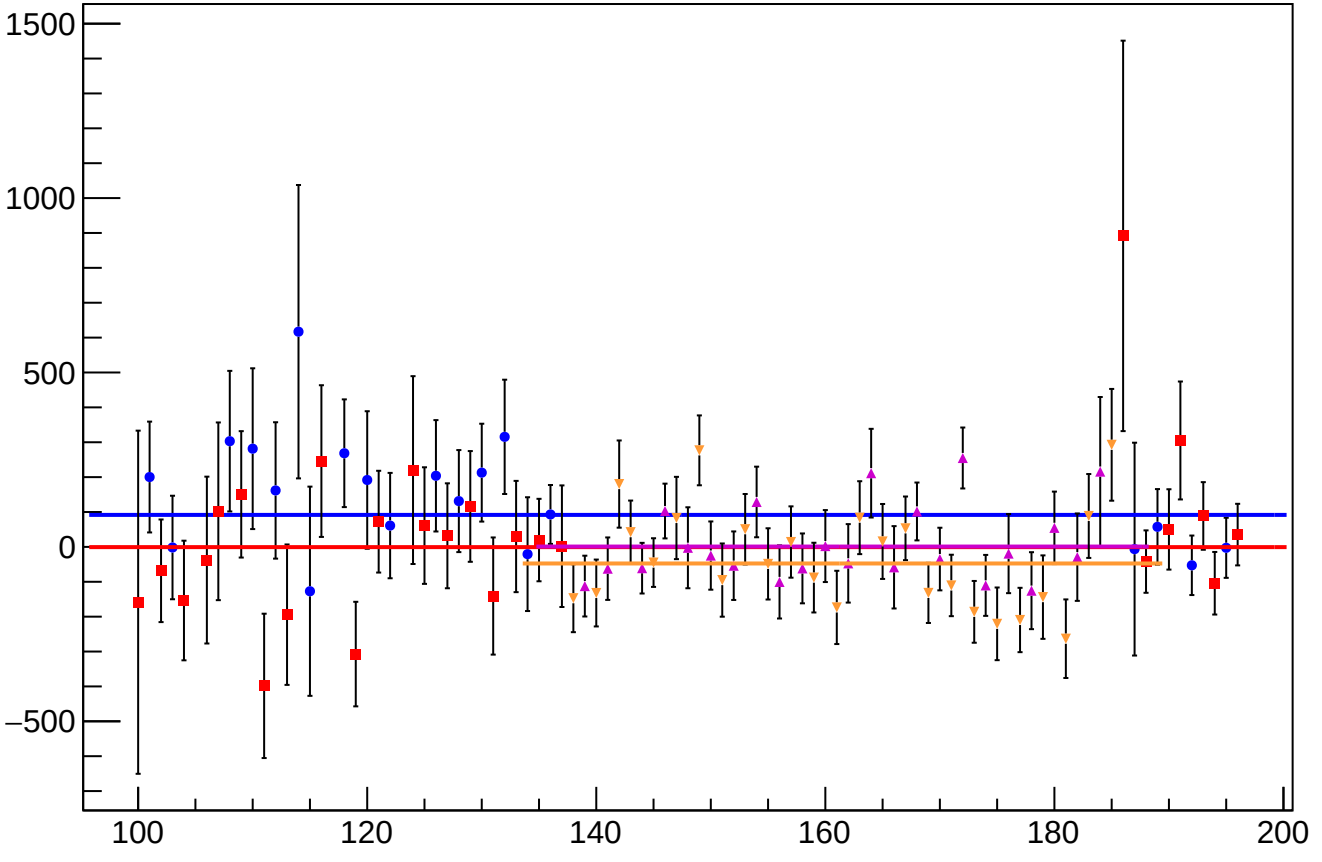
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982682.4/44

All: 525.705+/-0.050 χ^2/NDF: 6649047.7/93

- sign 528.065+/-0.070 χ^2/NDF: 3664102.2/48

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 91.733+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.647+/-28.645 χ^2/NDF: 23.1/25

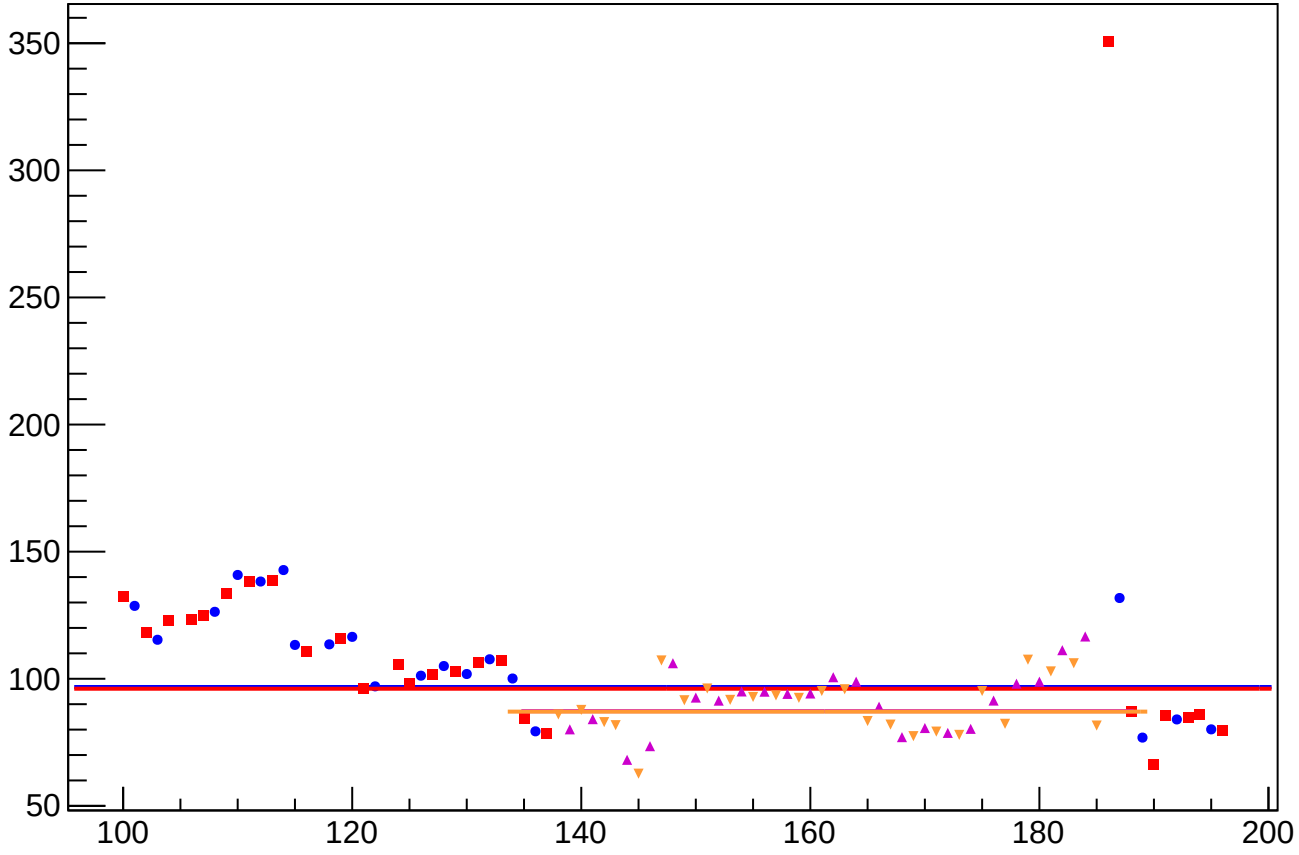
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.699+/-16.885 χ^2/NDF: 72.3/44

All: -3.596+/-11.883 χ^2/NDF: 120.9/93

- sign 0.431+/-16.726 χ^2/NDF: 48.5/48

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 96.763+/-0.022 χ^2/NDF: 711242.6/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

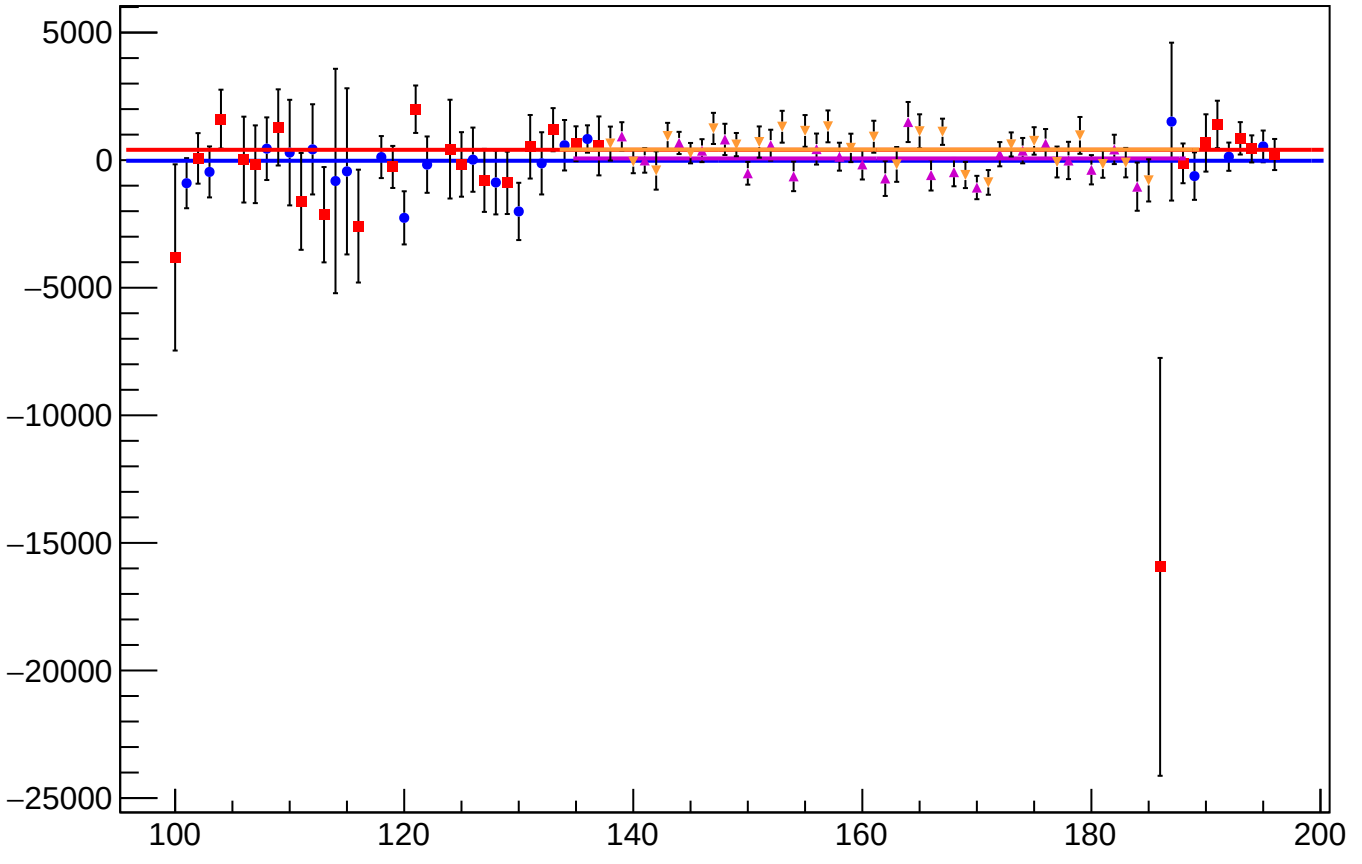
Right Out: 96.083+/-0.020 χ^2/NDF: 1225326.7/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.4/44

All: 90.057+/-0.008 χ^2/NDF: 3413288.3/93

- sign 90.266+/-0.012 χ^2/NDF: 1946255.0/48



Right In: -24.076+/-218.387 χ^2/NDF: 14.0/19

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 405.390+/-196.205 χ^2/NDF: 21.0/25

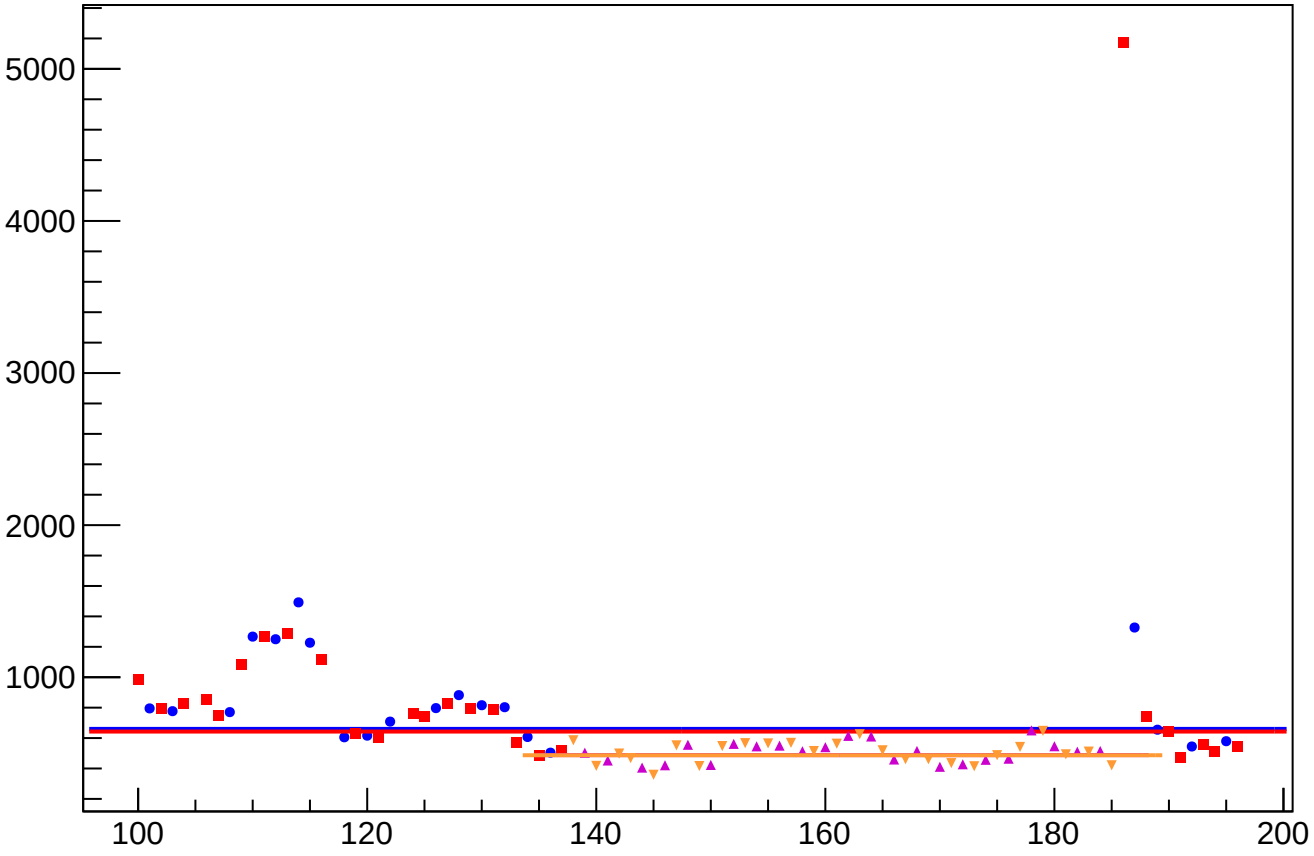
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.250+/-99.895 χ^2/NDF: 49.7/44

All: 238.649+/-70.490 χ^2/NDF: 101.9/93

- sign 153.753+/-99.483 χ^2/NDF: 50.8/48

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 660.296+/-0.154 χ^2/NDF: 1166488.6/19

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 642.841+/-0.139 χ^2/NDF: 2077502.9/25

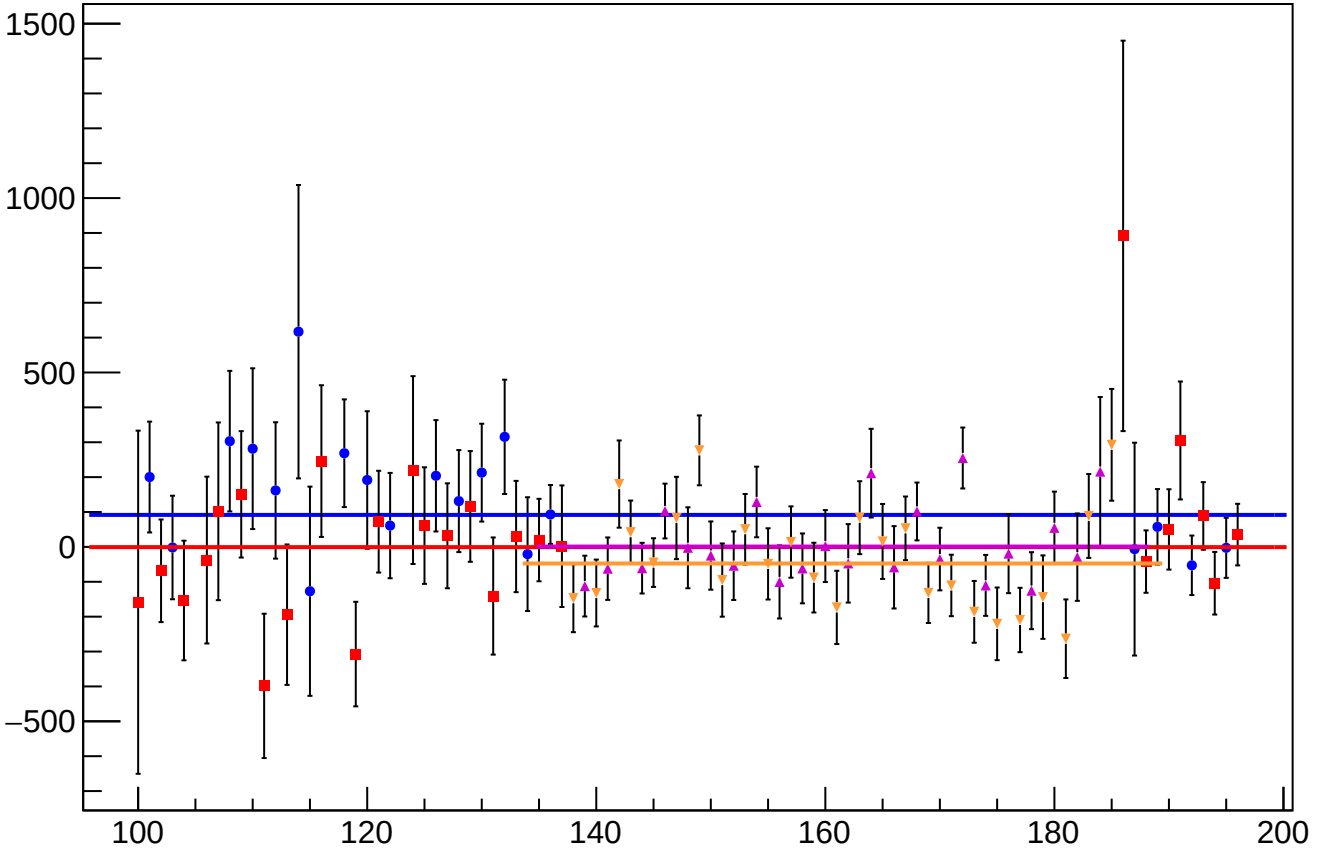
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982688.6/44

All: 525.549+/-0.050 χ^2/NDF: 6622657.2/93

- sign 527.755+/-0.070 χ^2/NDF: 3637992.2/48

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 91.733+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.647+/-28.645 χ^2/NDF: 23.1/25

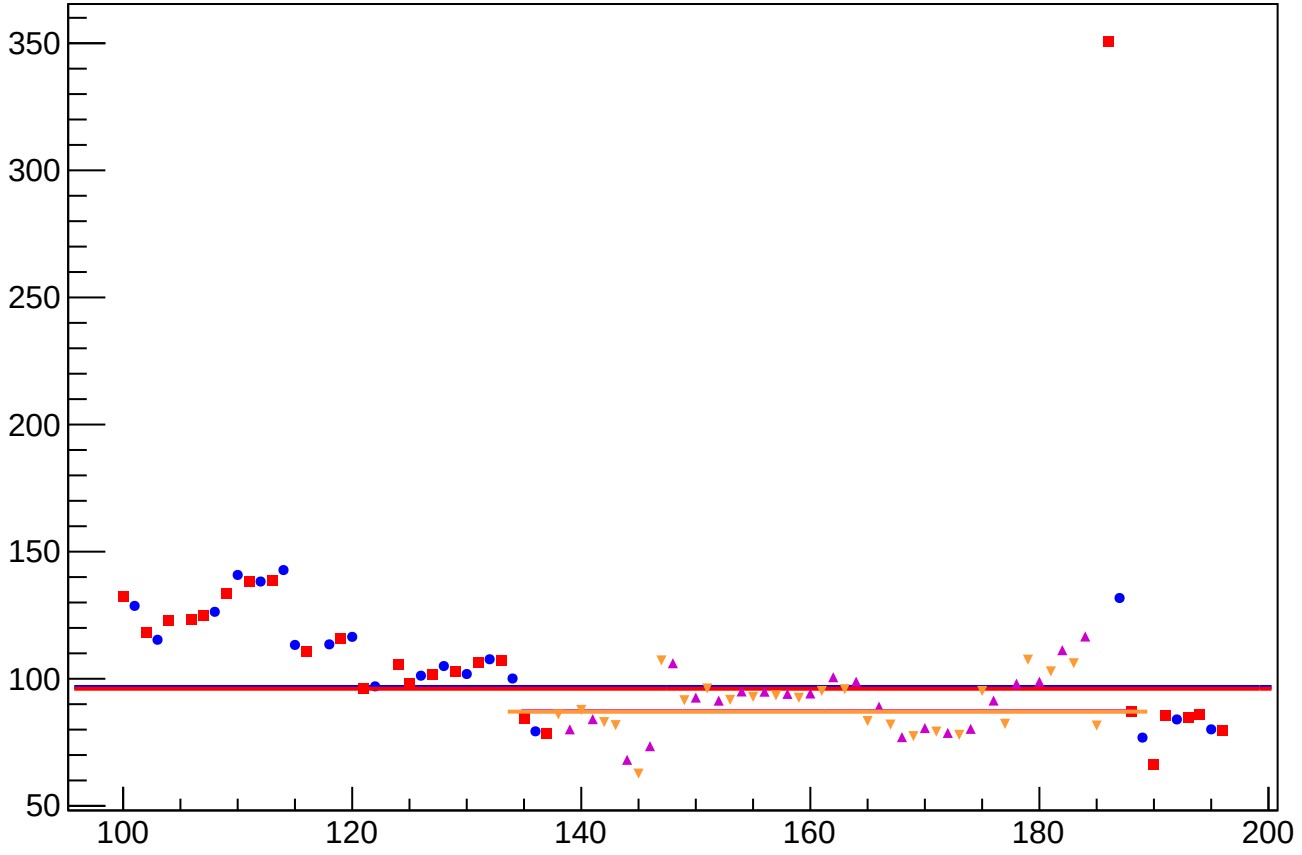
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.699+/-16.885 χ^2/NDF: 72.3/44

All: -3.596+/-11.883 χ^2/NDF: 120.9/93

- sign 0.431+/-16.726 χ^2/NDF: 48.5/48

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 96.763+/-0.022 χ^2/NDF: 711242.6/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

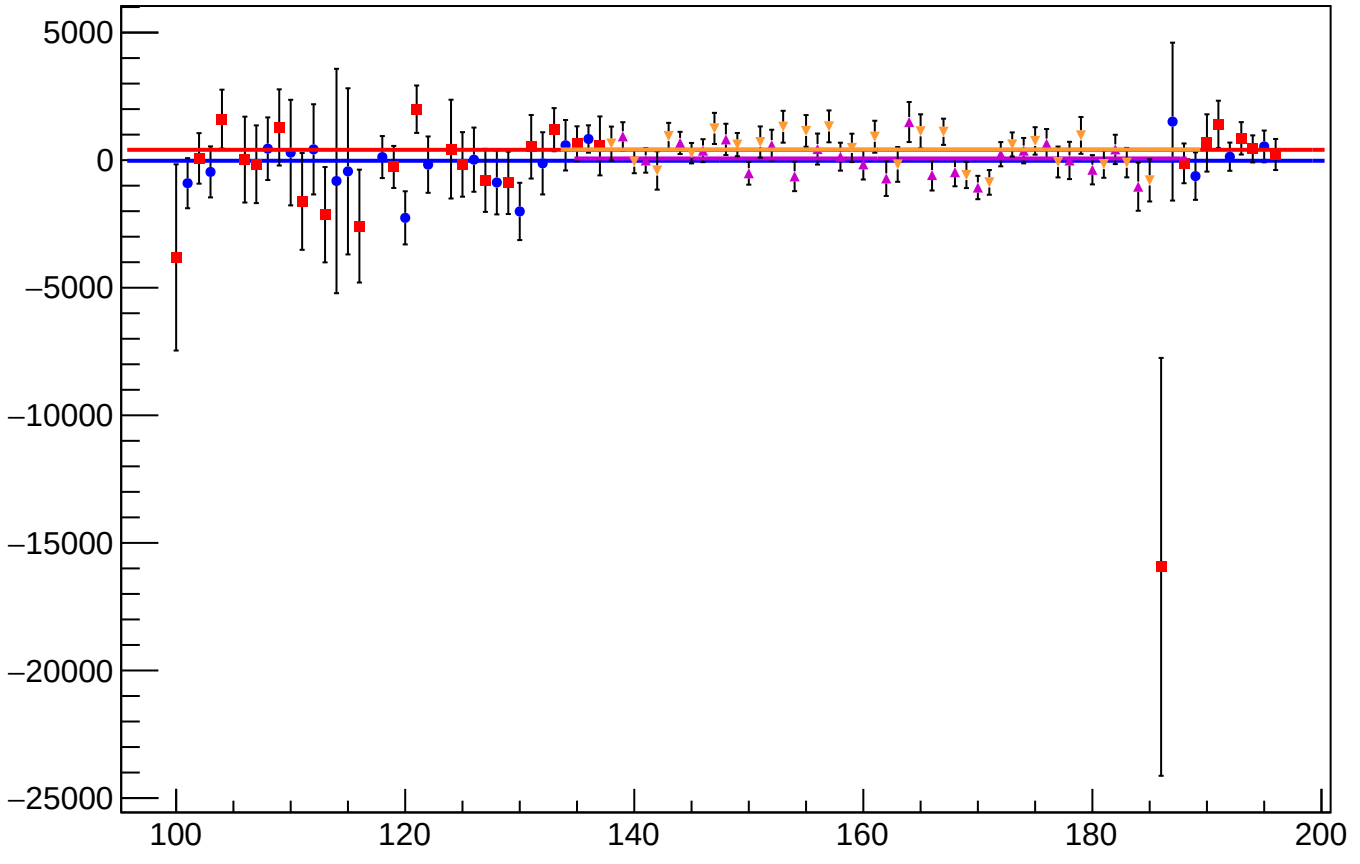
Right Out: 96.083+/-0.020 χ^2/NDF: 1225326.7/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.4/44

All: 90.057+/-0.008 χ^2/NDF: 3413288.3/93

- sign 90.266+/-0.012 χ^2/NDF: 1946255.0/48



Right In: -24.076+/-218.387 χ^2/NDF: 14.0/19

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

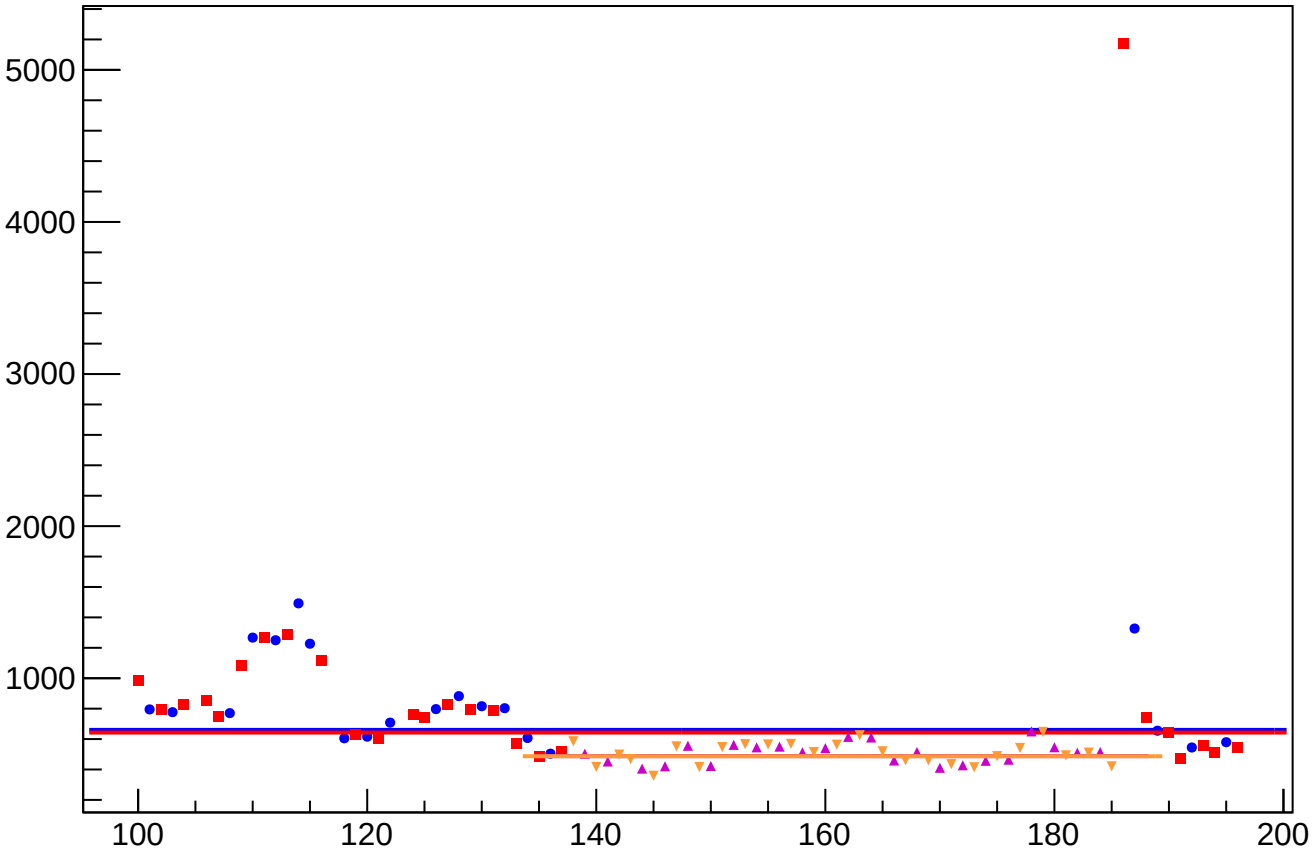
Right Out: 405.390+/-196.205 χ^2/NDF: 21.0/25

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.250+/-99.895 χ^2/NDF: 49.7/44

All: 238.649+/-70.490 χ^2/NDF: 101.9/93

- sign 153.753+/-99.483 χ^2/NDF: 50.8/48



Right In: 660.296+/-0.154 χ^2/NDF: 1166488.6/19

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 642.841+/-0.139 χ^2/NDF: 2077502.9/25

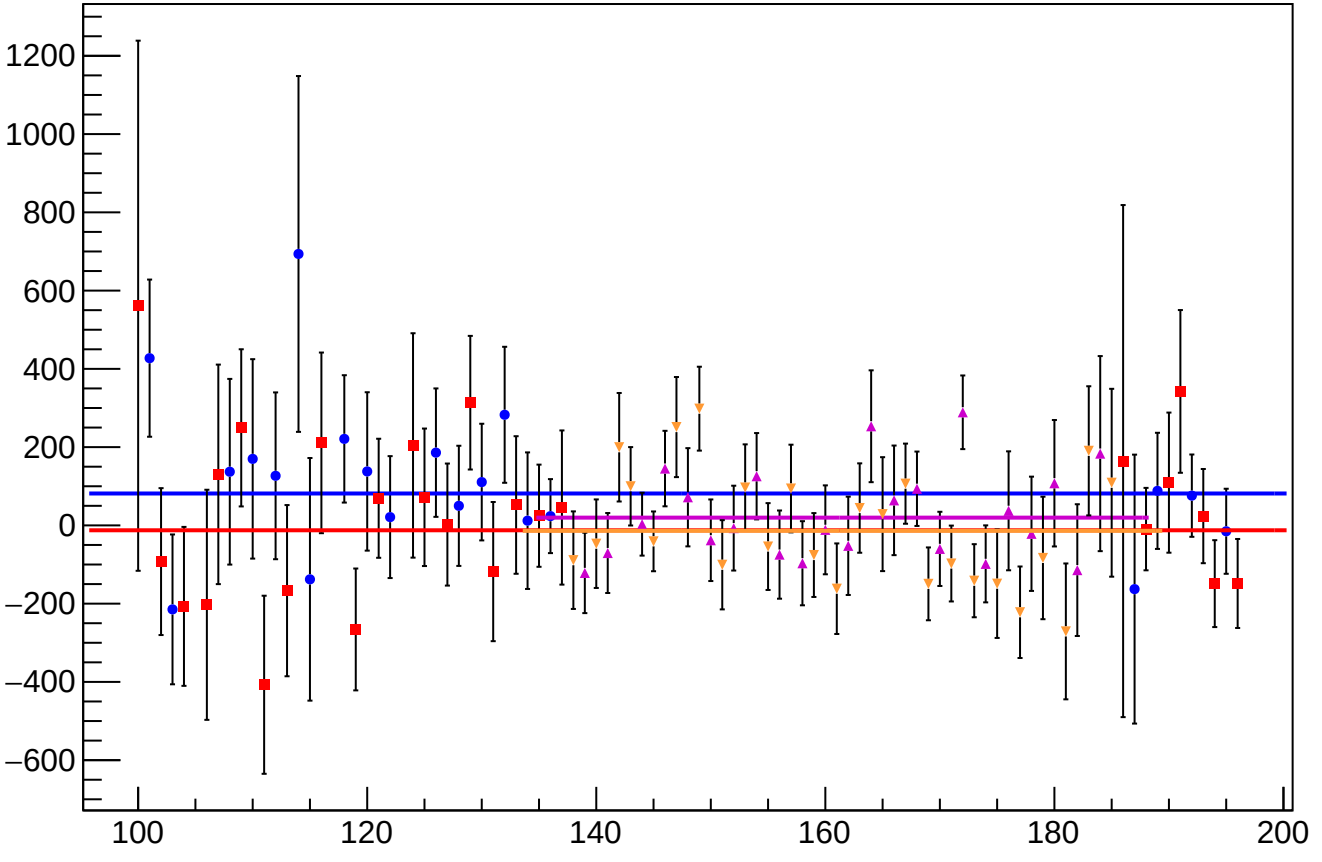
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982688.6/44

All: 525.549+/-0.050 χ^2/NDF: 6622657.2/93

- sign 527.755+/-0.070 χ^2/NDF: 3637992.2/48

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.517+/-36.341 χ^2/NDF: 12.5/19

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -12.493+/-33.521 χ^2/NDF: 23.2/25

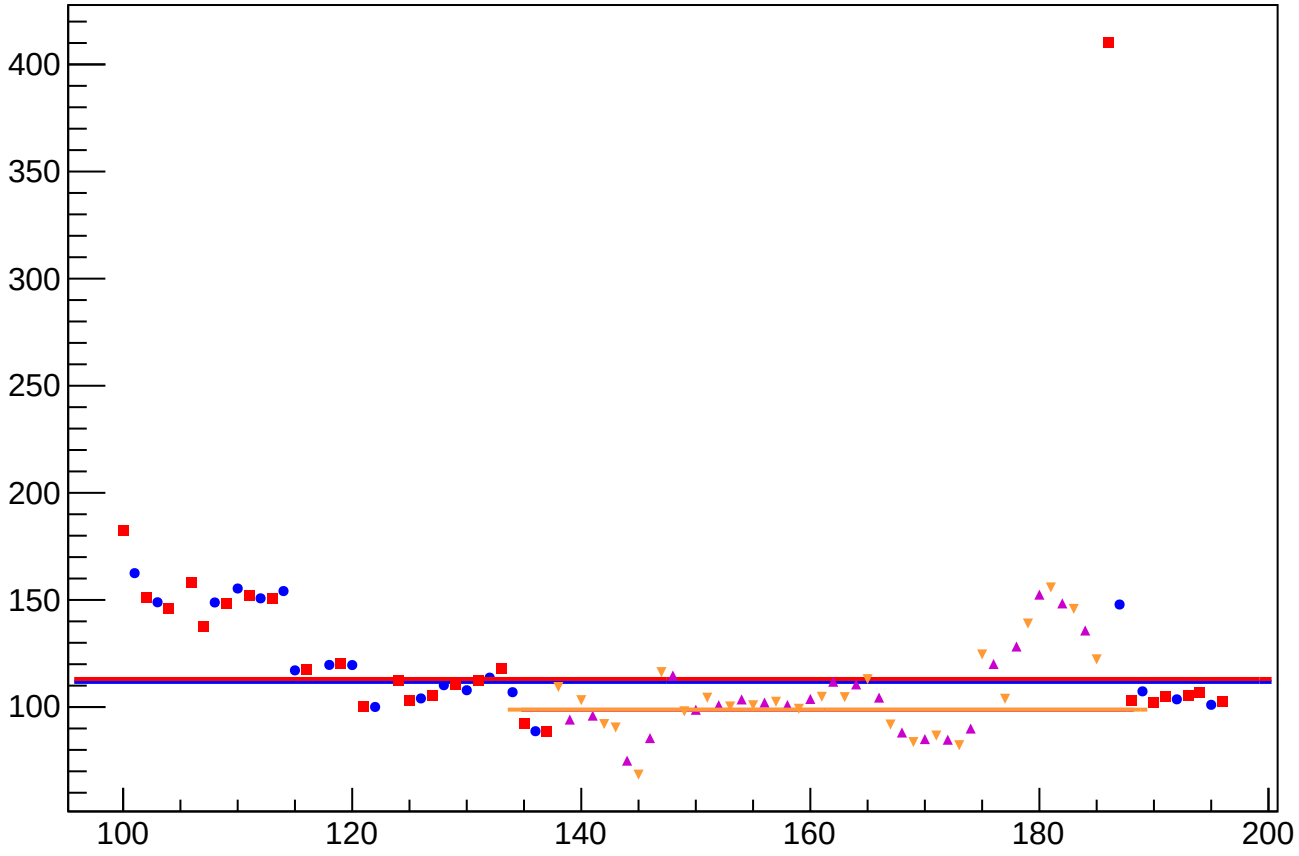
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 13.245+/-19.384 χ^2/NDF: 53.8/44

All: 11.171+/-13.670 χ^2/NDF: 100.9/93

\- sign 9.119+/-19.281 χ^2/NDF: 47.1/48

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.745+/-0.026 χ^2/NDF: 596157.0/19

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 113.105+/-0.024 χ^2/NDF: 984805.3/25

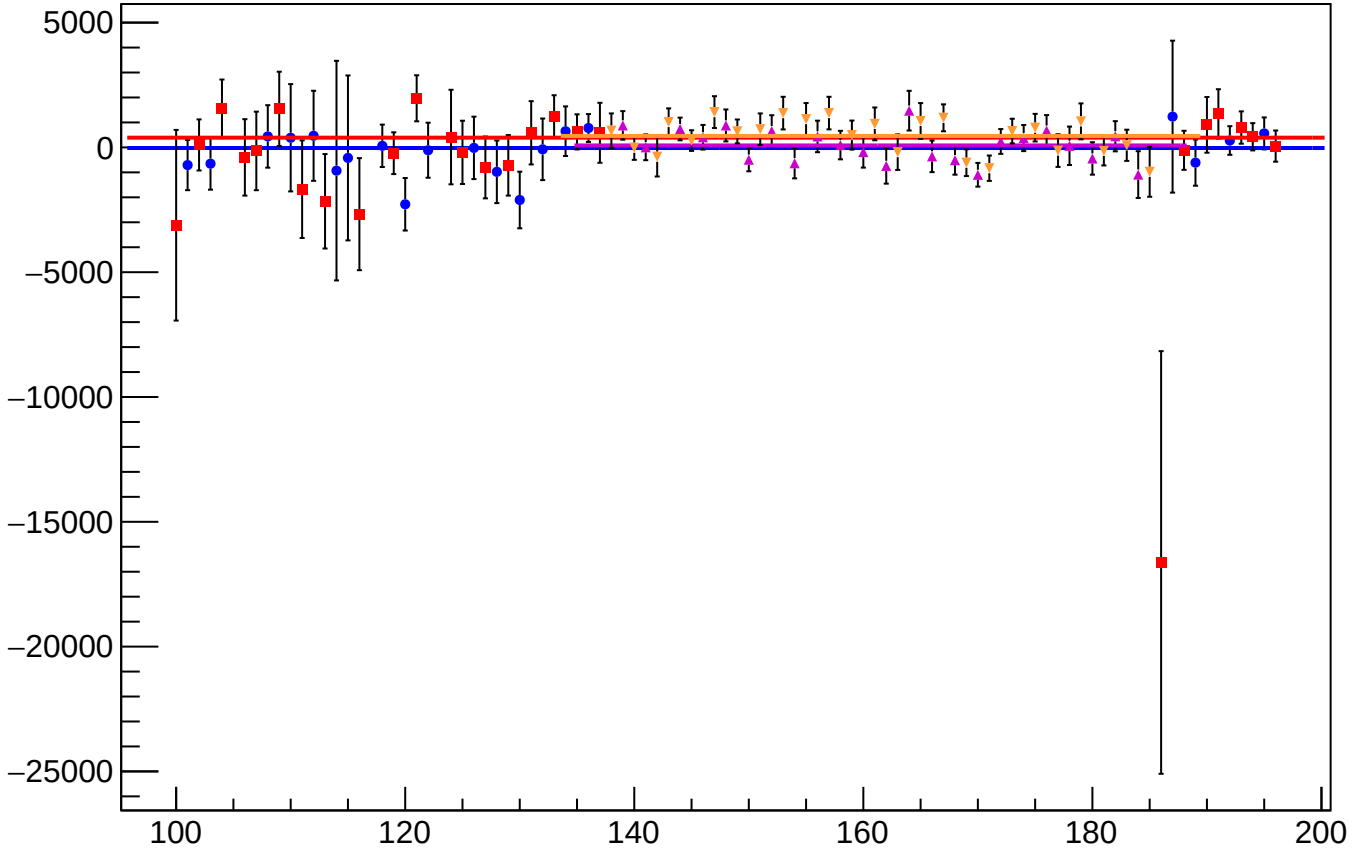
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.482+/-0.014 χ^2/NDF: 1963582.8/44

All: 102.968+/-0.010 χ^2/NDF: 4186764.2/93

- sign 103.448+/-0.014 χ^2/NDF: 2220686.9/48

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -24.390+/-223.523 χ^2/NDF: 13.9/19

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 389.615+/-199.483 χ^2/NDF: 20.6/25

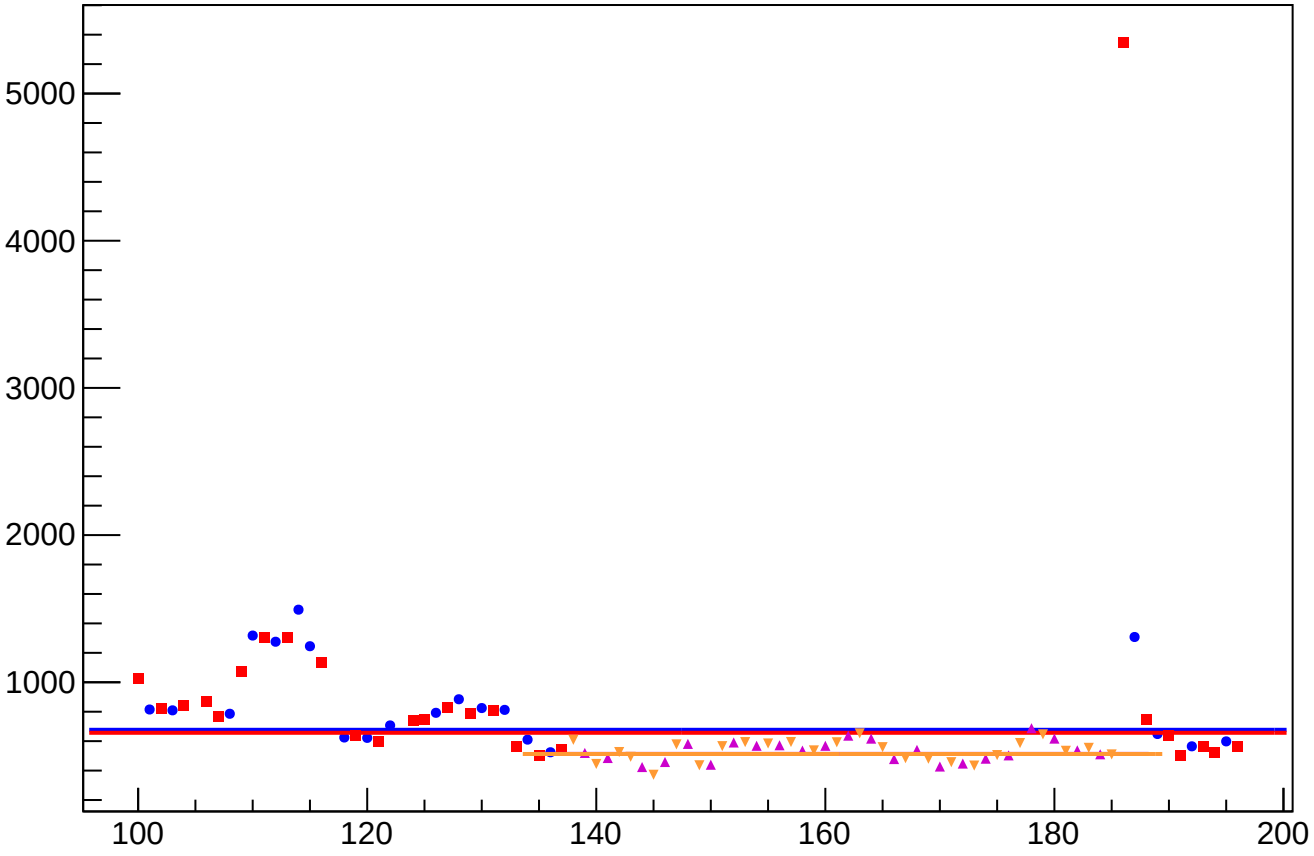
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 353.563+/-104.429 χ^2/NDF: 48.3/44

All: 257.556+/-73.593 χ^2/NDF: 98.6/93

- sign 162.833+/-103.728 χ^2/NDF: 48.6/48

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 677.122+/-0.158 χ^2/NDF: 1108116.3/19

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 656.785+/-0.141 χ^2/NDF: 2021227.2/25

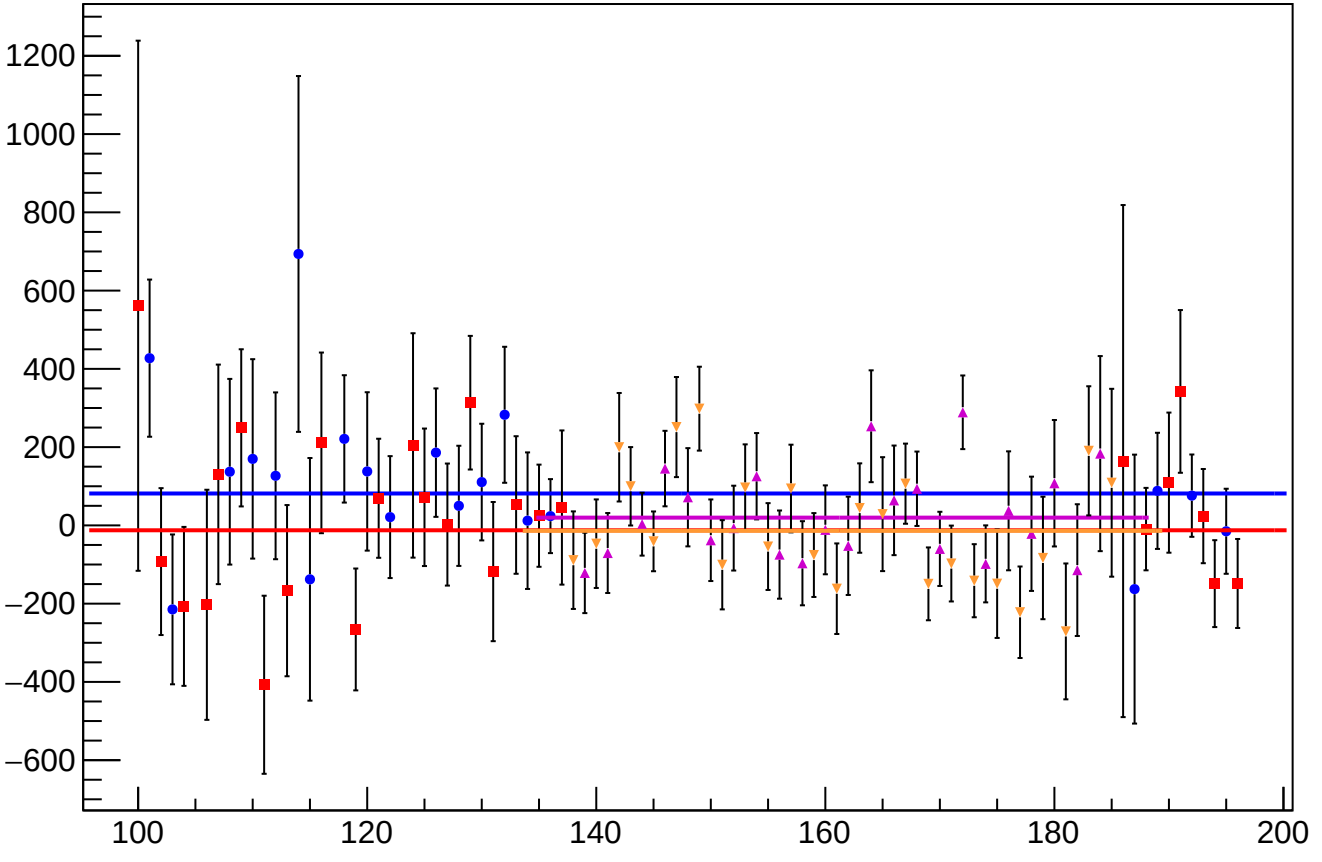
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 548.642+/-0.074 χ^2/NDF: 2752633.1/44

All: 550.408+/-0.052 χ^2/NDF: 6163170.7/93

- sign 552.150+/-0.073 χ^2/NDF: 3409401.4/48

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.516+/-36.341 χ^2/NDF: 12.5/19

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -12.494+/-33.521 χ^2/NDF: 23.2/25

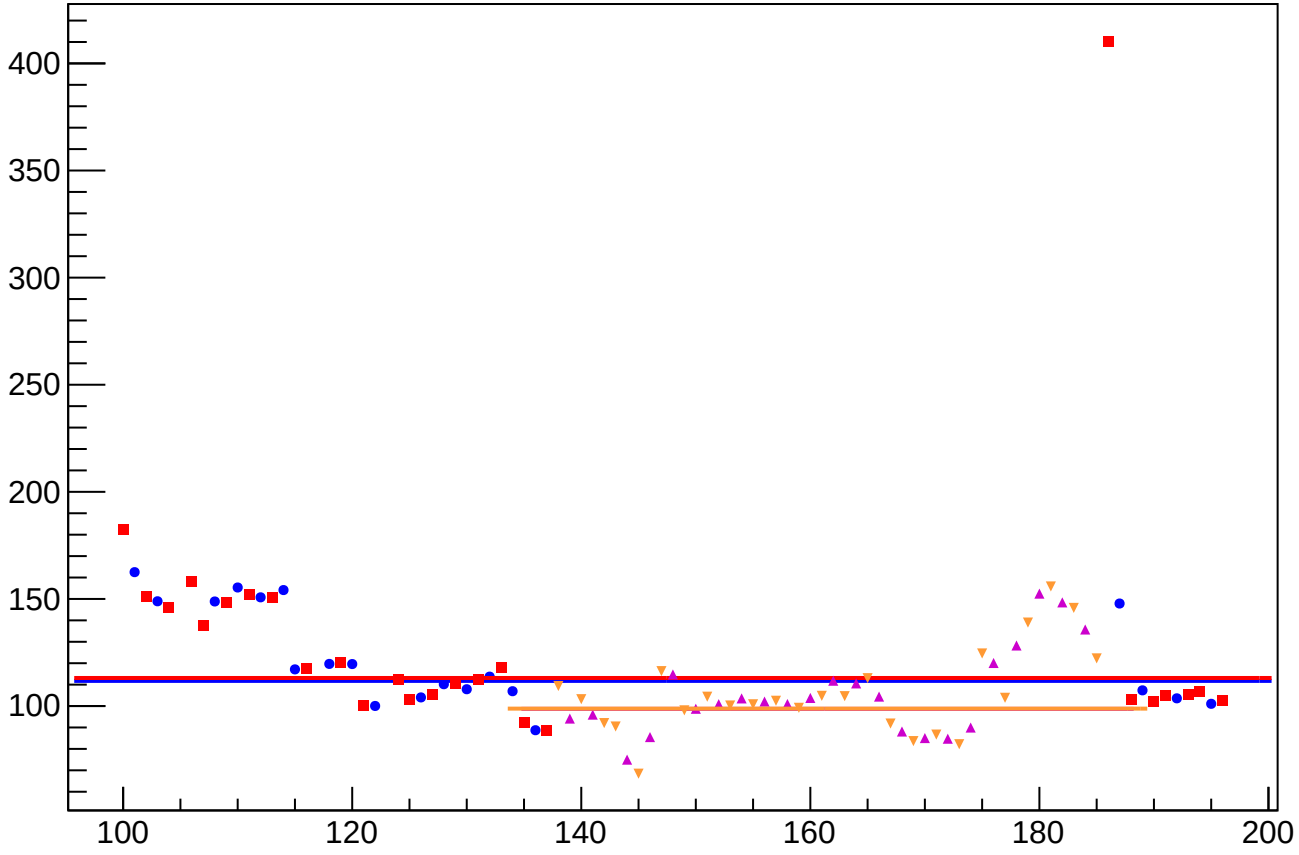
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 13.243+/-19.384 χ^2/NDF: 53.8/44

All: 11.170+/-13.670 χ^2/NDF: 100.9/93

\- sign 9.119+/-19.281 χ^2/NDF: 47.1/48

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.746+/-0.026 χ^2/NDF: 596141.9/19

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

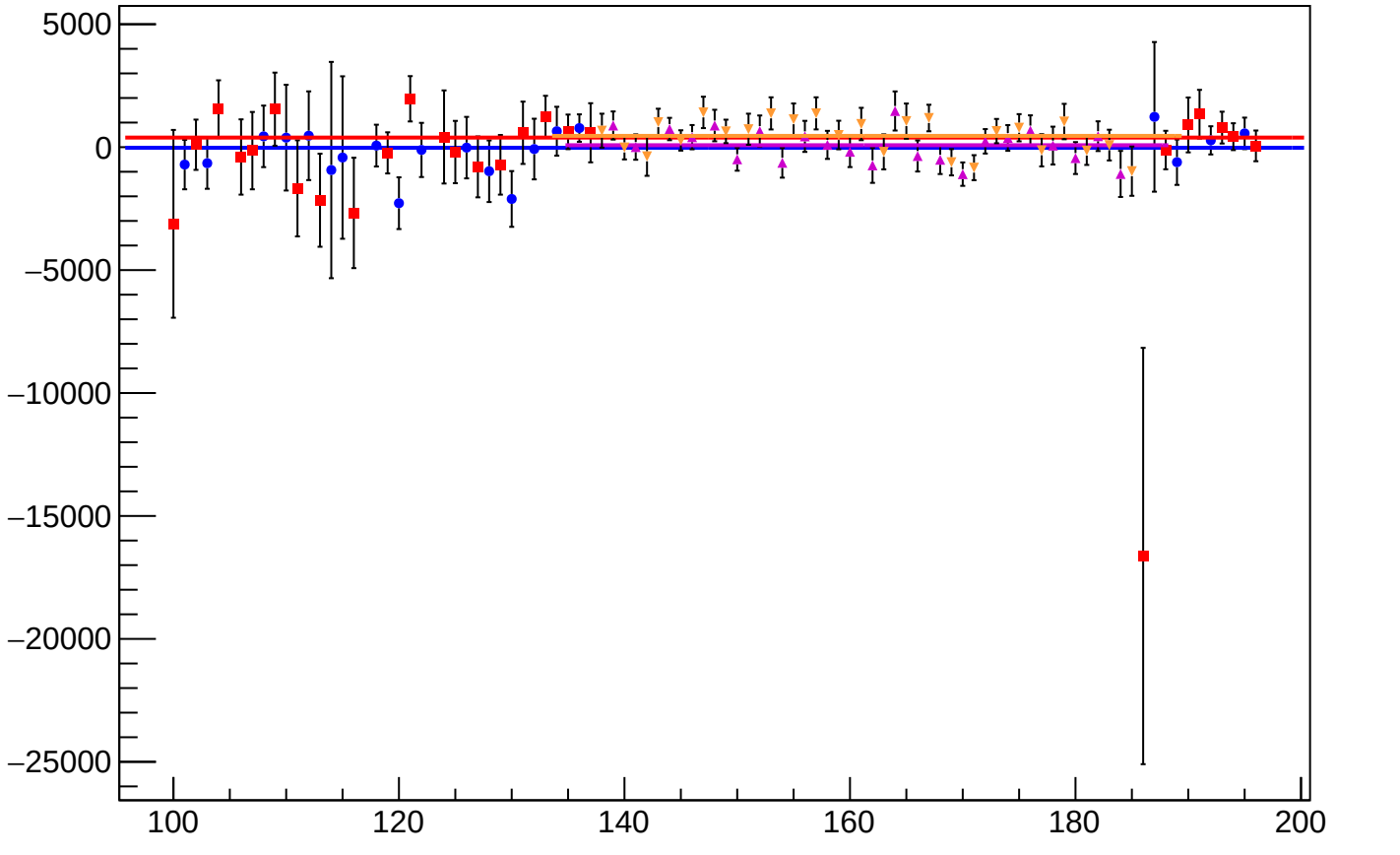
Right Out: 113.105+/-0.024 χ^2/NDF: 984790.8/25

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.482+/-0.014 χ^2/NDF: 1963578.6/44

All: 102.968+/-0.010 χ^2/NDF: 4186740.7/93

- sign 103.448+/-0.014 χ^2/NDF: 2220667.5/48



Right In: -24.391+/-223.523 χ^2/NDF: 13.9/19

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

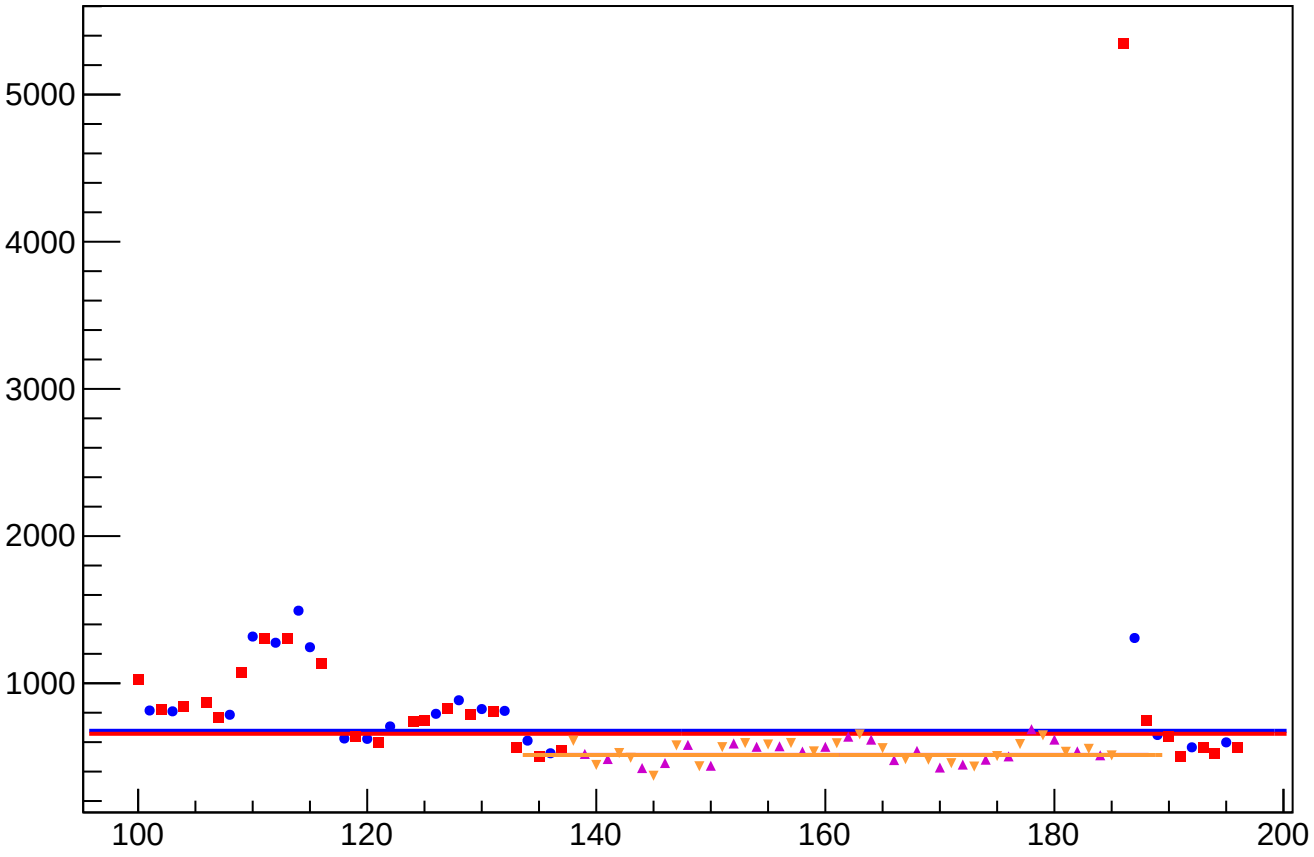
Right Out: 389.614+/-199.483 χ^2/NDF: 20.6/25

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 353.562+/-104.429 χ^2/NDF: 48.3/44

All: 257.555+/-73.593 χ^2/NDF: 98.6/93

- sign 162.832+/-103.728 χ^2/NDF: 48.6/48



Right In: 677.121+/-0.158 χ^2/NDF: 1108114.2/19

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 656.784+/-0.141 χ^2/NDF: 2021224.1/25

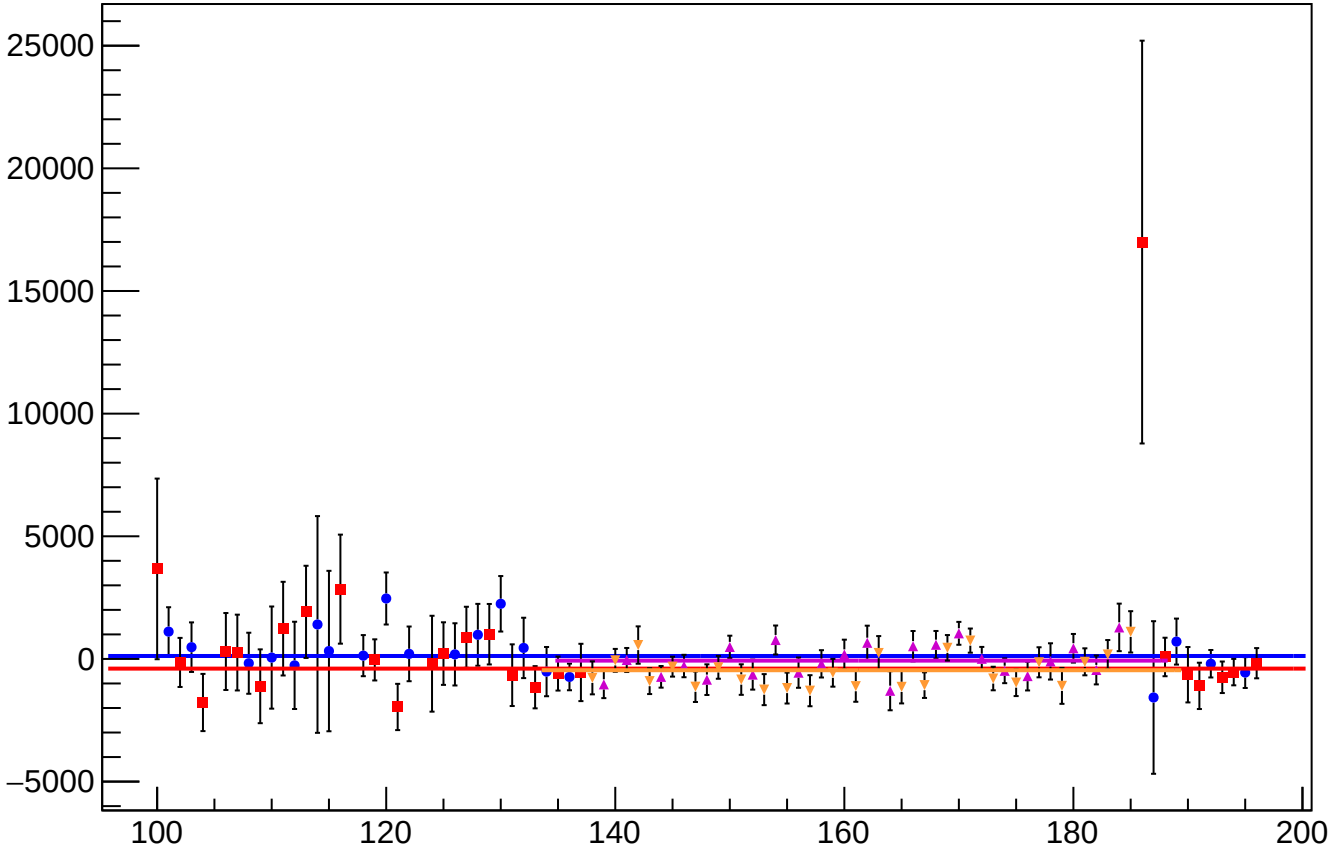
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 548.642+/-0.074 χ^2/NDF: 2752627.6/44

All: 550.408+/-0.052 χ^2/NDF: 6163151.3/93

- sign 552.150+/-0.073 χ^2/NDF: 3409387.4/48

asym_sam_26_48_dd_mean vs Slug



Right In: 120.188+/-220.954 χ^2/NDF: 15.3/19

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -394.258+/-198.363 χ^2/NDF: 20.1/25

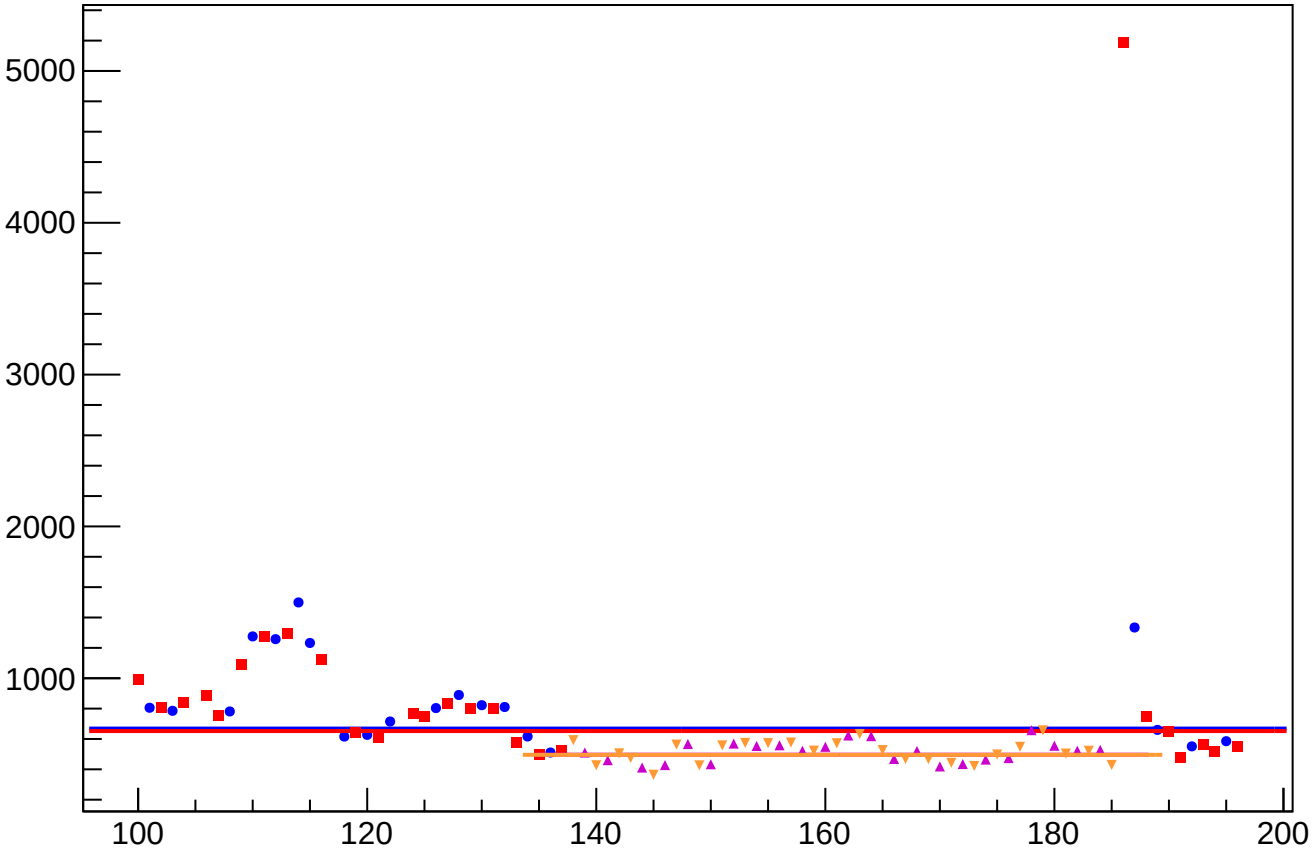
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -337.522+/-101.474 χ^2/NDF: 51.6/44

All: -244.653+/-71.588 χ^2/NDF: 103.9/93

- sign -152.631+/-101.010 χ^2/NDF: 50.7/48

asym_sam_26_48_dd_rms vs Slug



Right In: 668.388+/-0.156 χ^2/NDF: 1151776.7/19

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

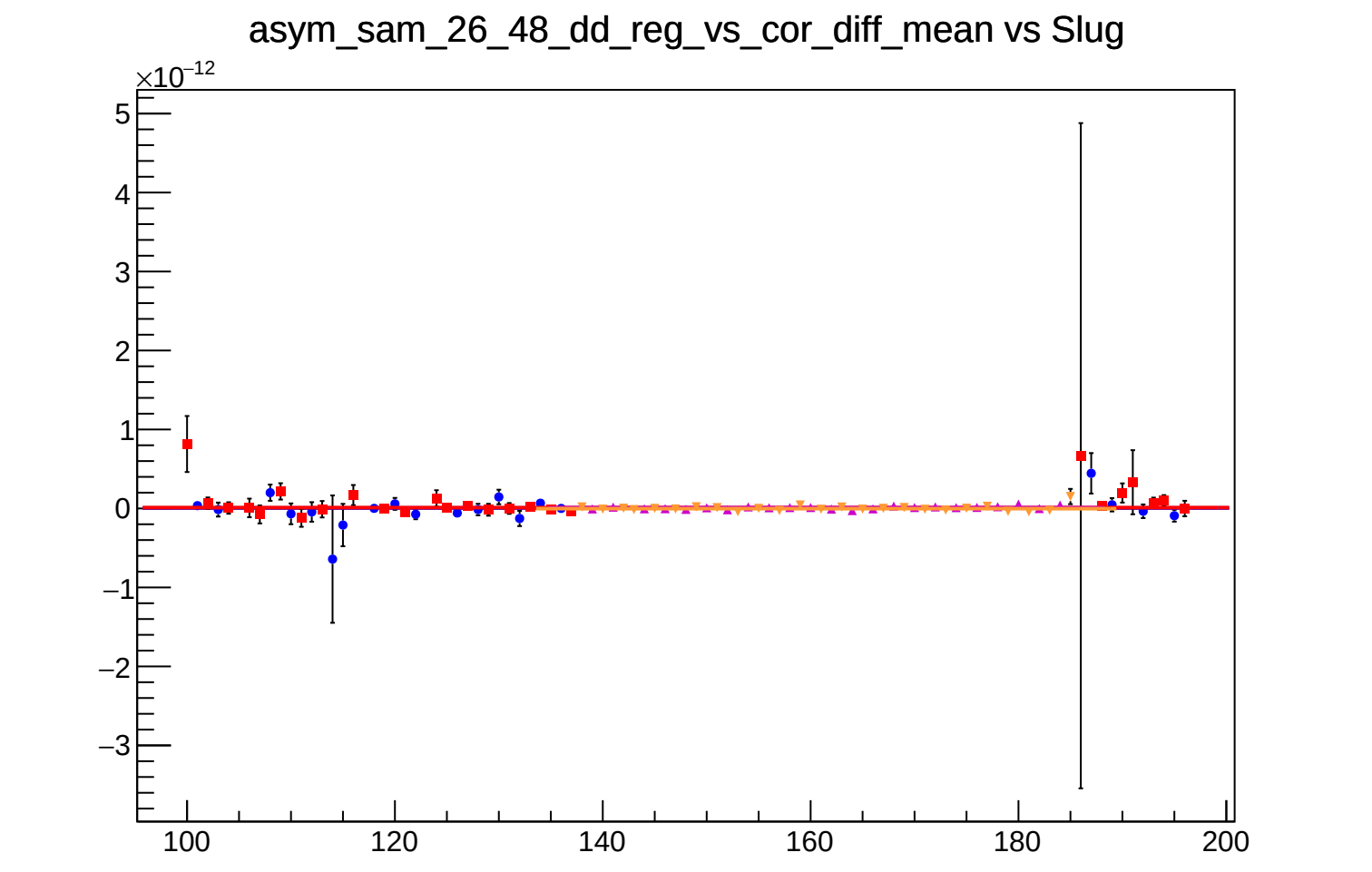
Right Out: 652.122+/-0.140 χ^2/NDF: 2066988.1/25

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 531.975+/-0.072 χ^2/NDF: 2922512.9/44

All: 534.354+/-0.051 χ^2/NDF: 6528084.6/93

- sign 536.710+/-0.071 χ^2/NDF: 3603384.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/25

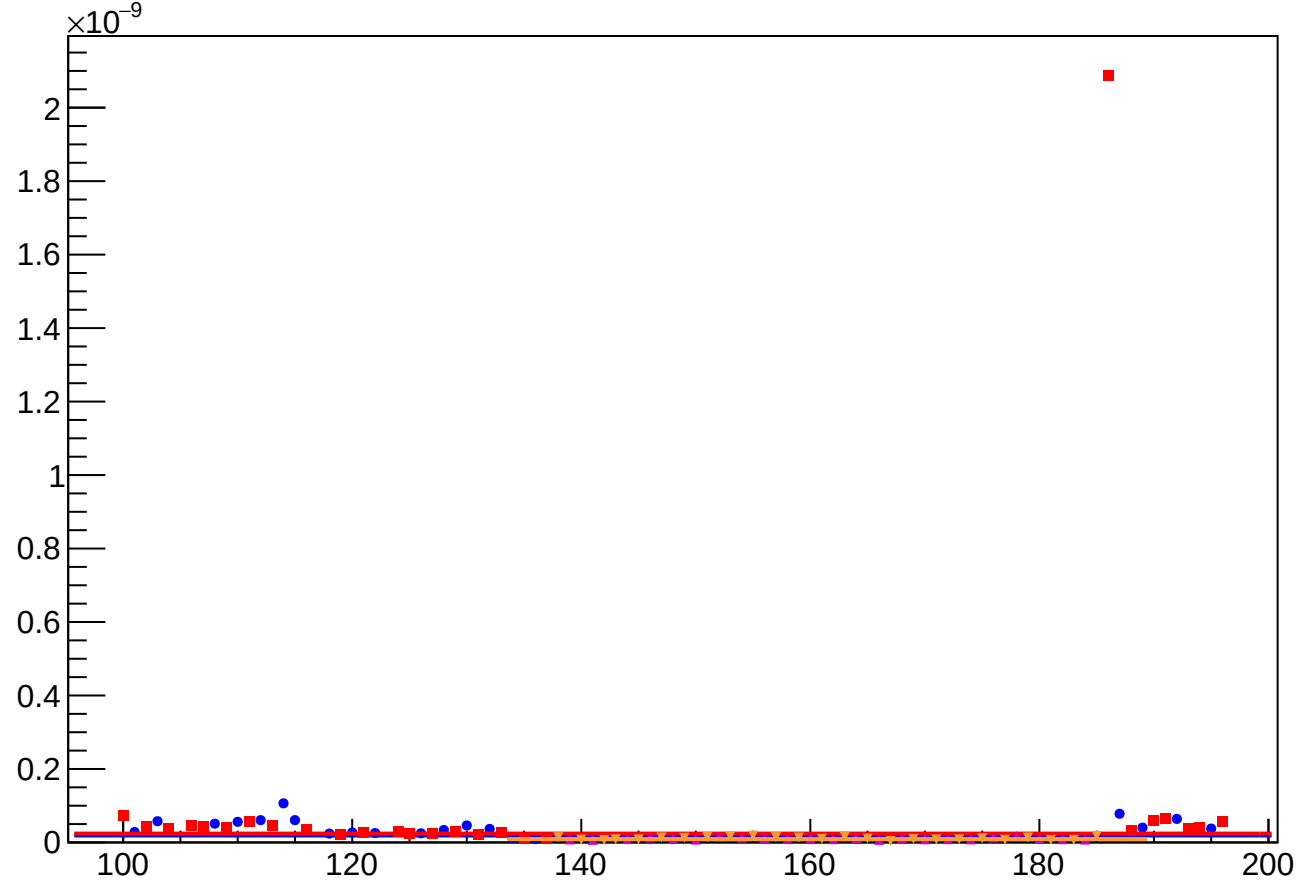
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/44

All: 0.000+/-0.000 χ^2/NDF: 91.8/93

- sign 0.000+/-0.000 χ^2/NDF: 40.0/48

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3318435.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2914924.1/25

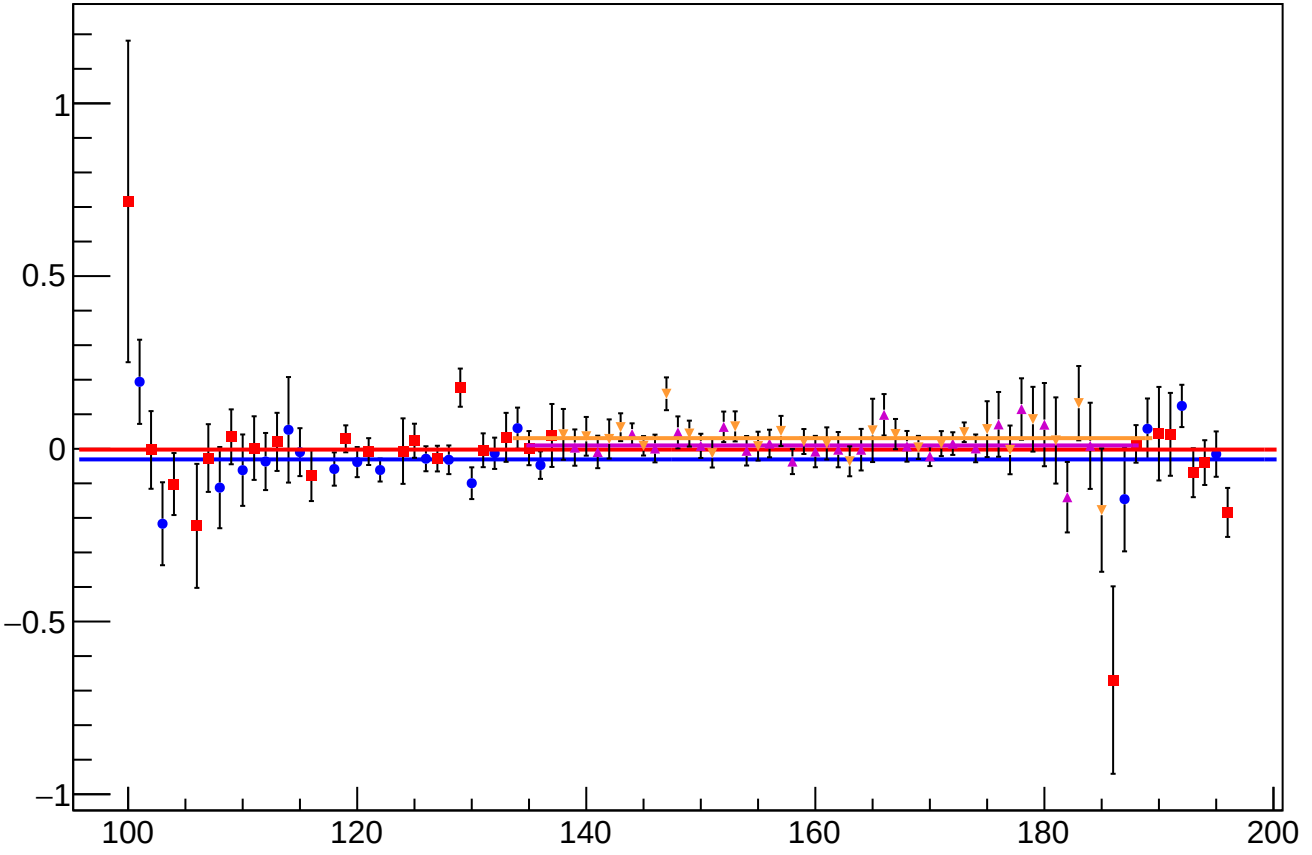
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6565098.2/44

All: 0.000+/-0.000 χ^2/NDF: 12618355.6/93

- sign 0.000+/-0.000 χ^2/NDF: 5991546.0/48

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

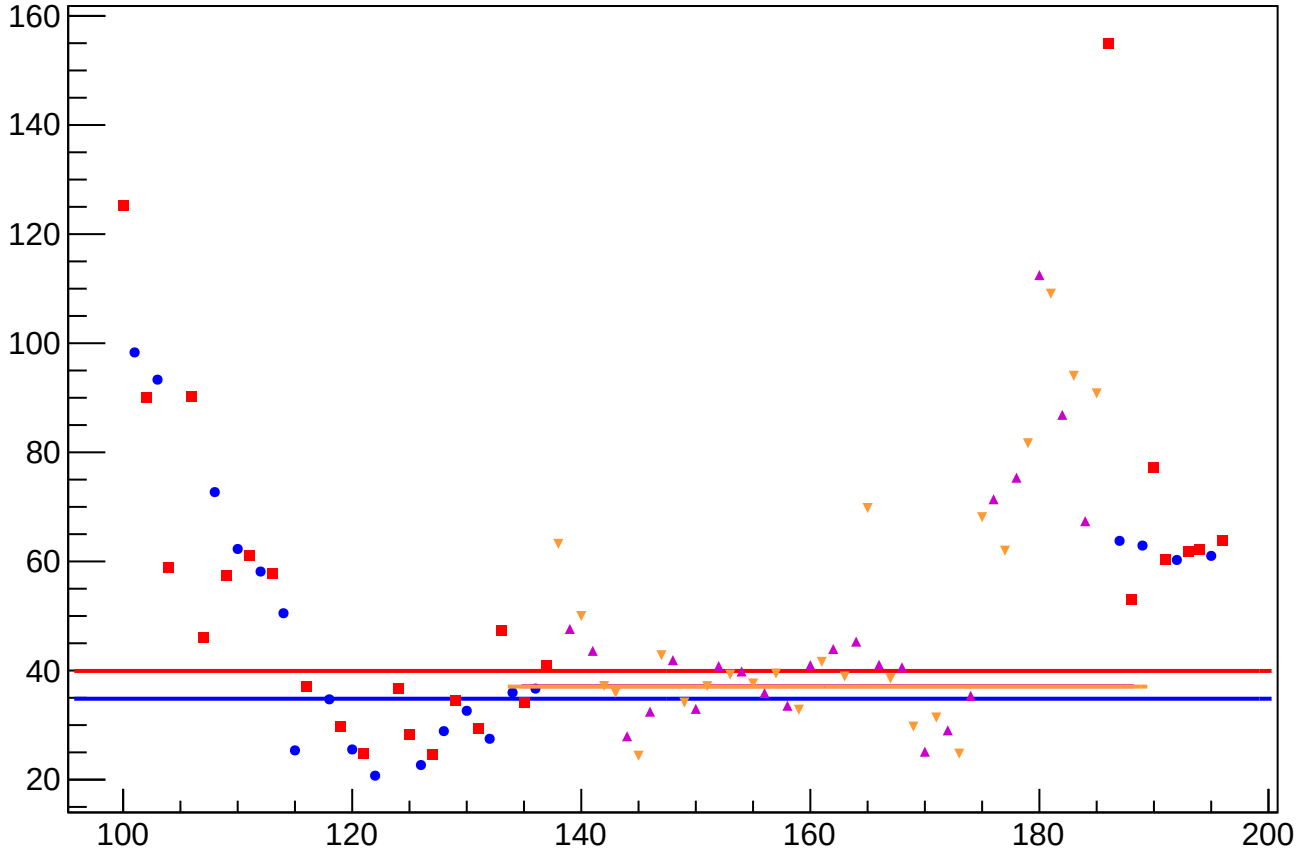
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.008+/-0.005 χ^2/NDF: 101.7/93

- 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: 34.834+/-0.009 χ^2/NDF: 3303196.3/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

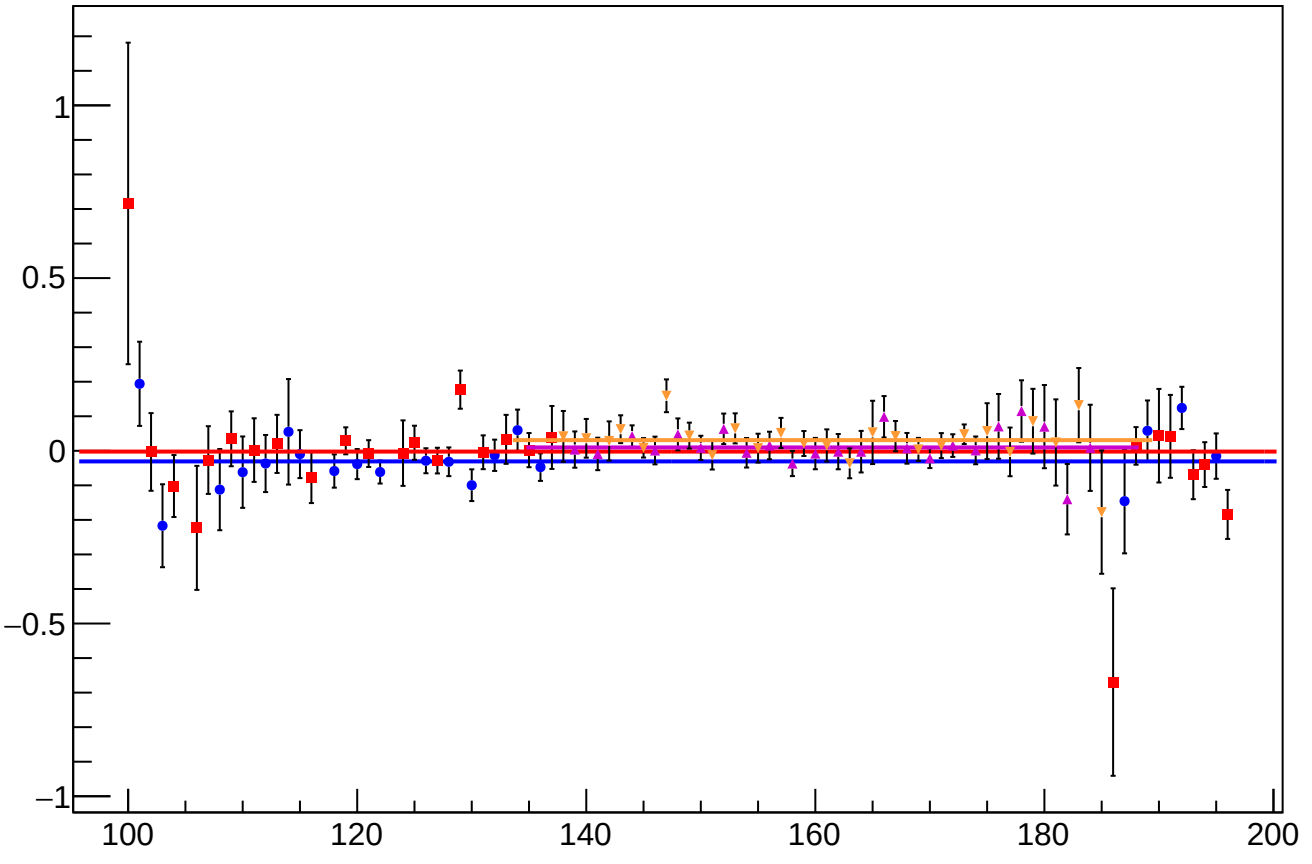
Right Out: 39.926+/-0.009 χ^2/NDF: 3411665.2/25

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398366.6/44

All: 37.167+/-0.004 χ^2/NDF: 13944612.2/93

- sign 38.103+/-0.005 χ^2/NDF: 6486648.5/48



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

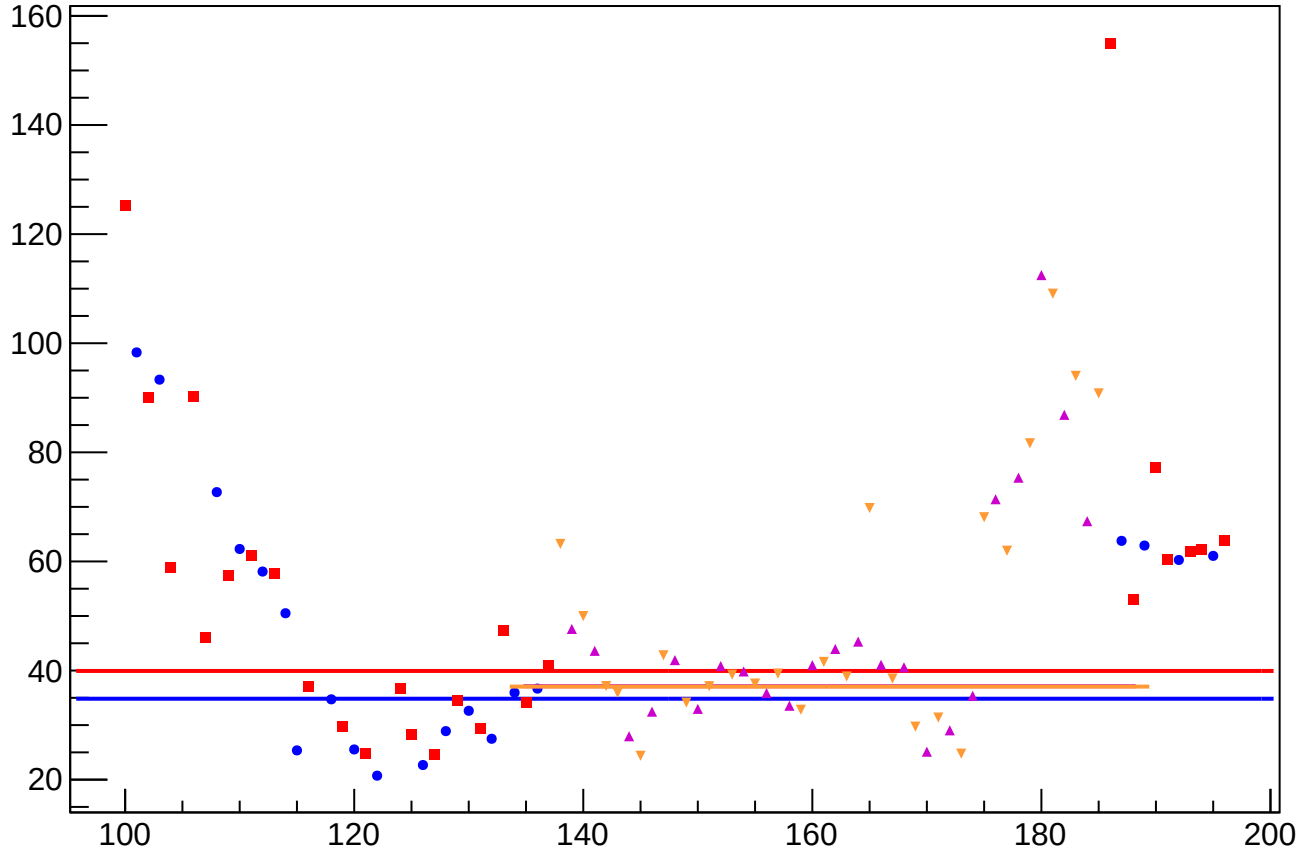
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.008+/-0.005 χ^2/NDF: 101.7/93

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 34.834+/-0.009 χ^2/NDF: 3303196.3/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

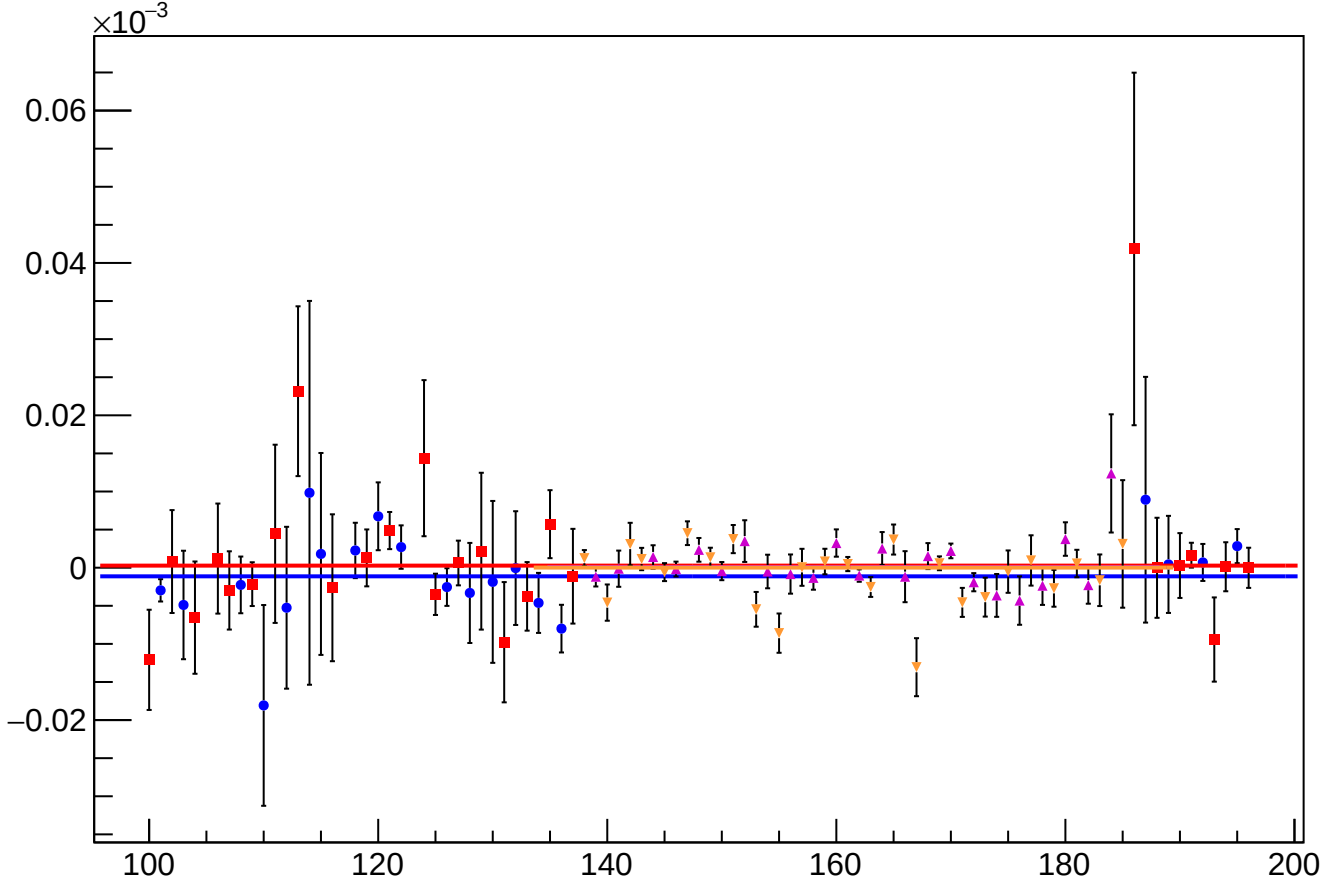
Right Out: 39.926+/-0.009 χ^2/NDF: 3411665.2/25

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398366.6/44

All: 37.167+/-0.004 χ^2/NDF: 13944612.2/93

- sign 38.103+/-0.005 χ^2/NDF: 6486648.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

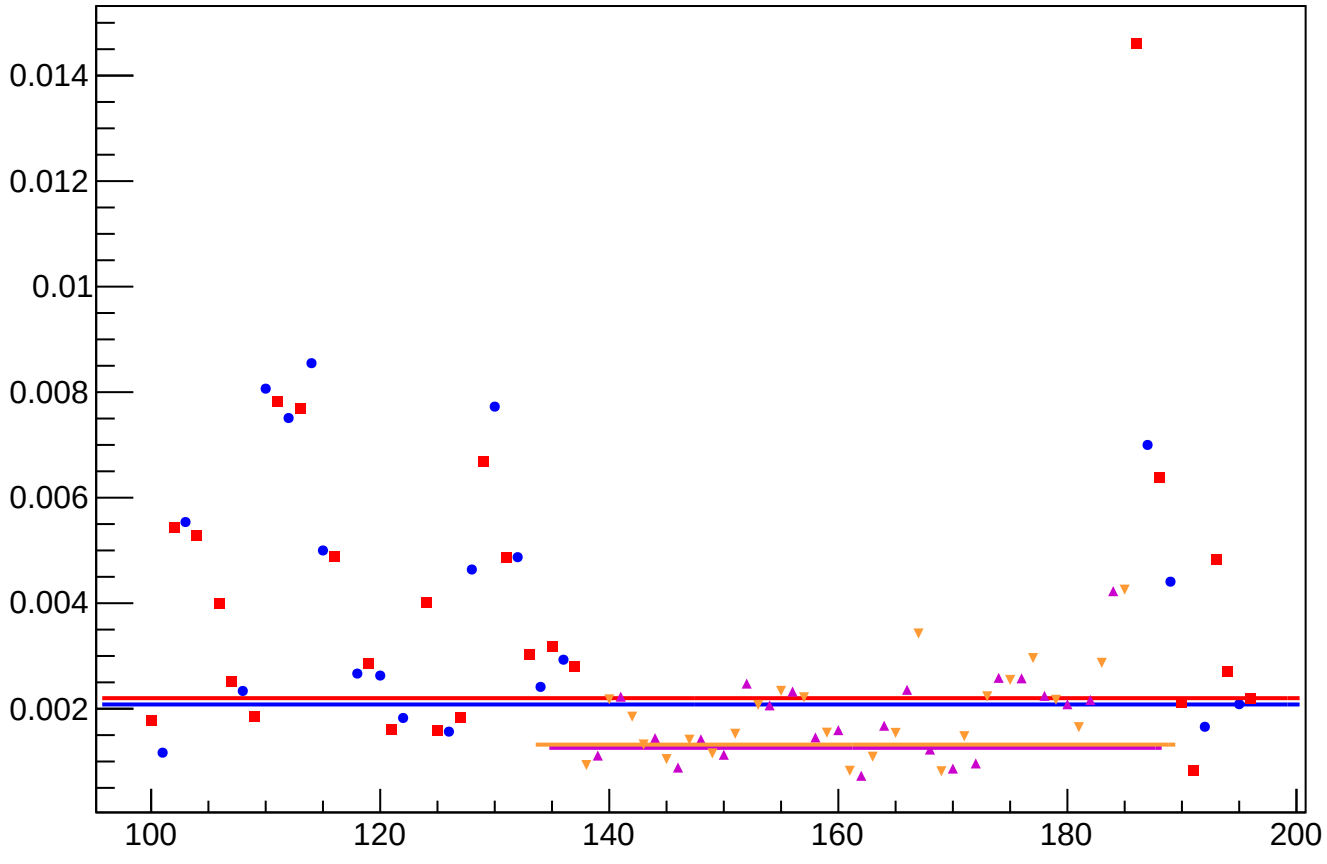
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/25

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.4/44

All: -0.000+/-0.000 χ^2/NDF: 150.6/93

- sign 0.000+/-0.000 χ^2/NDF: 60.8/48



Right In: 0.002+/-0.000 χ^2/NDF: 4430243.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

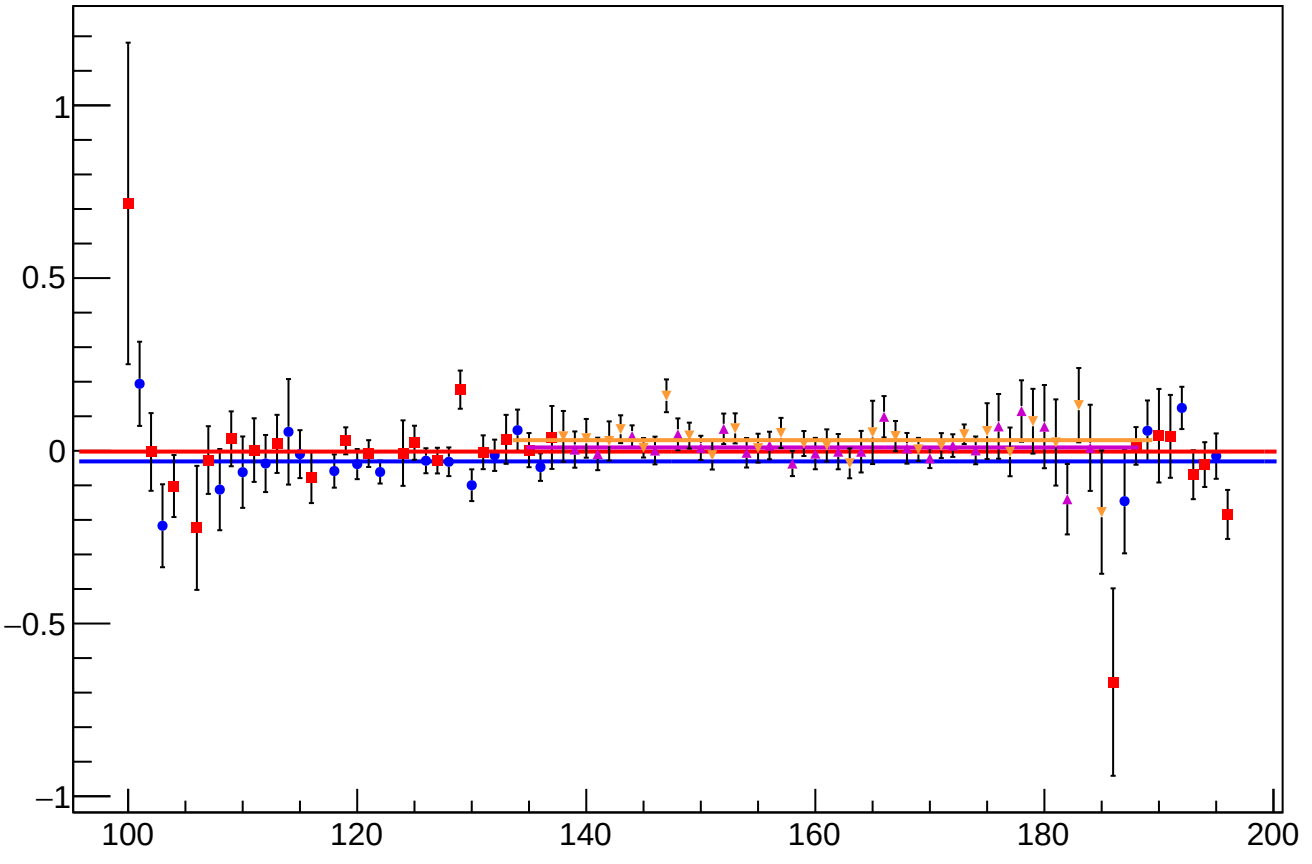
Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.8/25

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

\+ sign 0.001+/-0.000 χ^2/NDF: 11644395.5/44

All: 0.001+/-0.000 χ^2/NDF: 26068631.3/93

\- sign 0.001+/-0.000 χ^2/NDF: 14412022.5/48



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

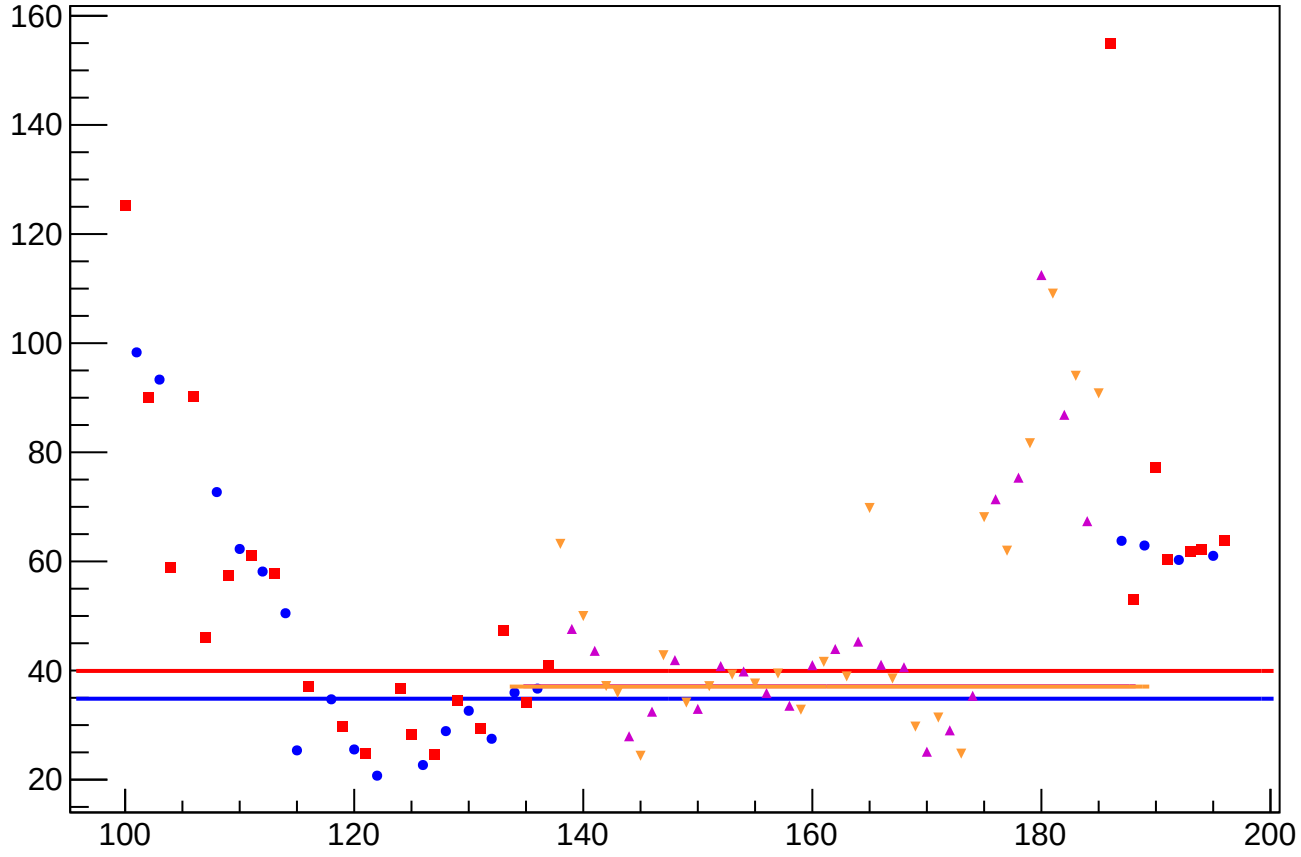
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.008+/-0.005 χ^2/NDF: 101.7/93

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

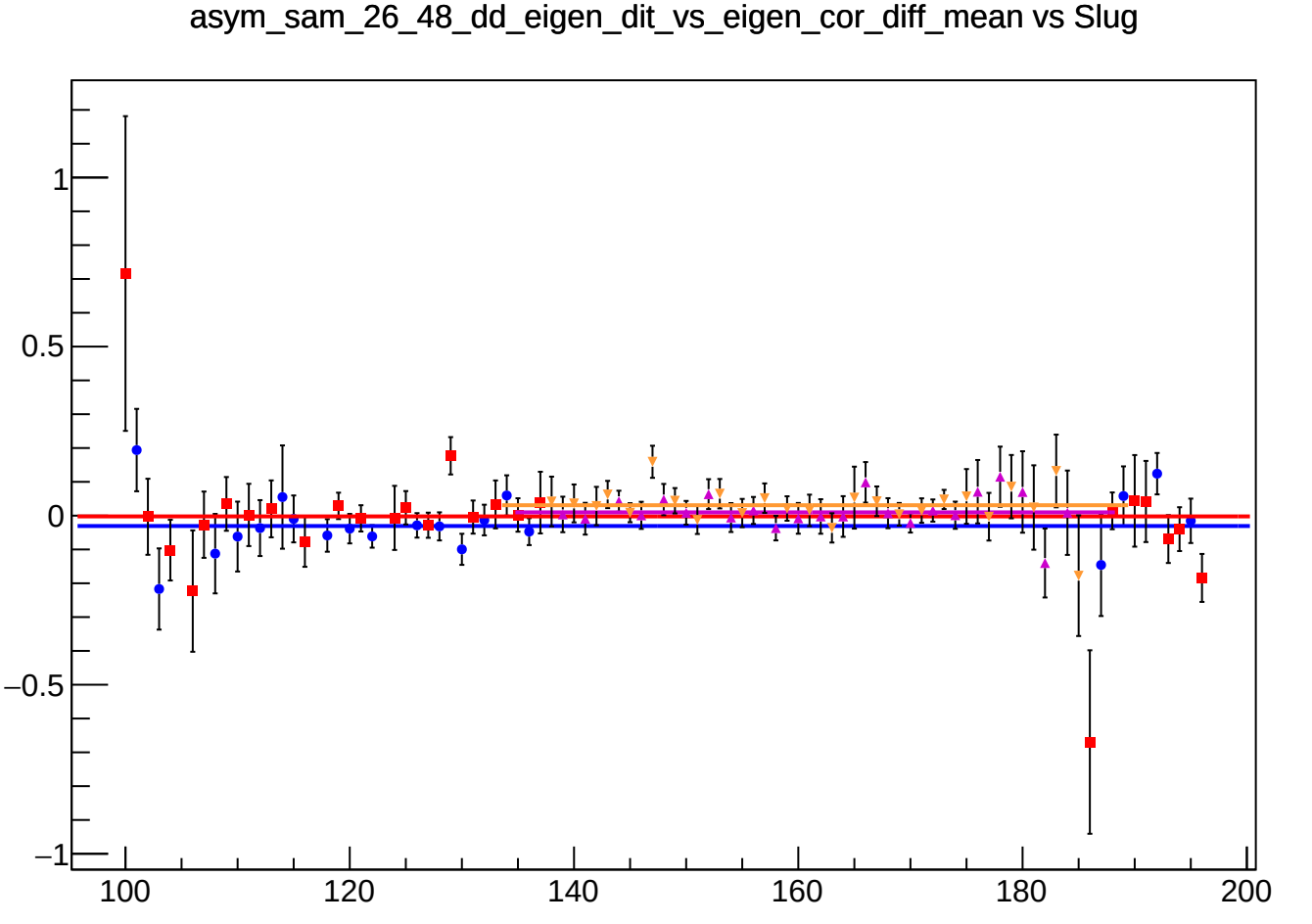
Right Out: 39.926+/-0.009 χ^2/NDF: 3411493.0/25

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398318.1/44

All: 37.167+/-0.004 χ^2/NDF: 13944385.1/93

- sign 38.103+/-0.005 χ^2/NDF: 6486470.3/48



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

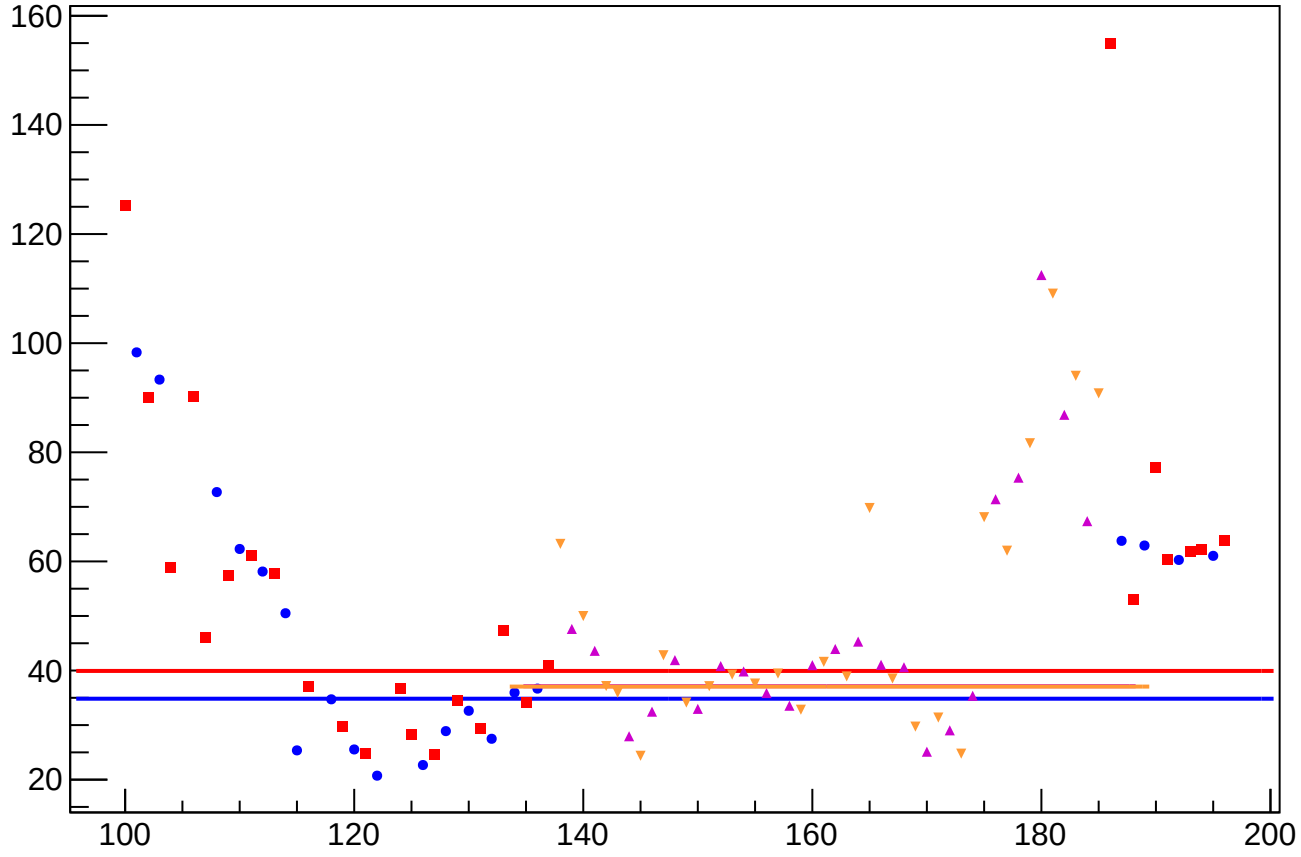
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.008+/-0.005 χ^2/NDF: 101.7/93

\- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

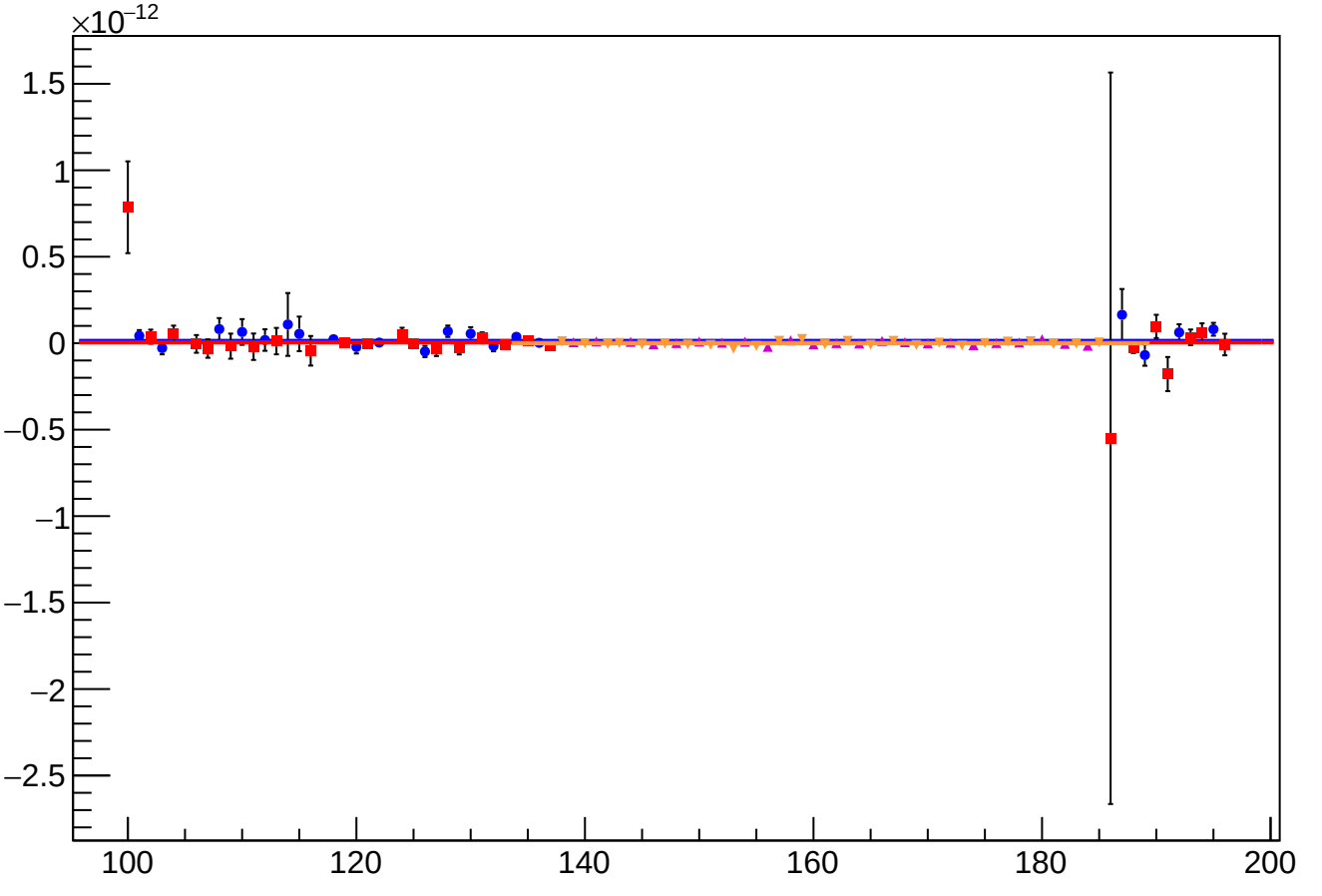
Right Out: 39.926+/-0.009 χ^2/NDF: 3411493.0/25

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398318.1/44

All: 37.167+/-0.004 χ^2/NDF: 13944385.1/93

- sign 38.103+/-0.005 χ^2/NDF: 6486470.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

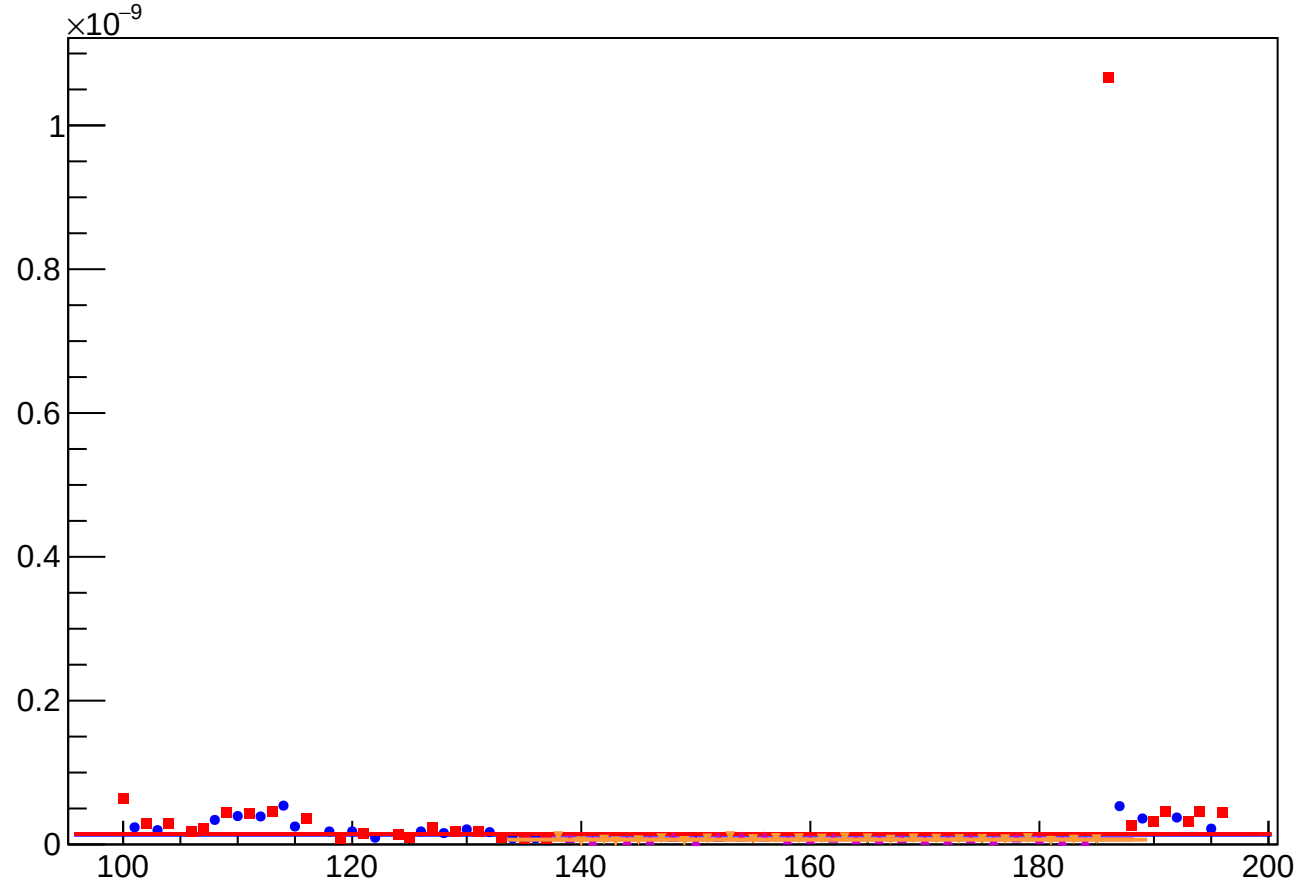
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/25

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/44

All: 0.000+/-0.000 χ^2/NDF: 102.4/93

- sign 0.000+/-0.000 χ^2/NDF: 45.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3233554.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5357557.6/25

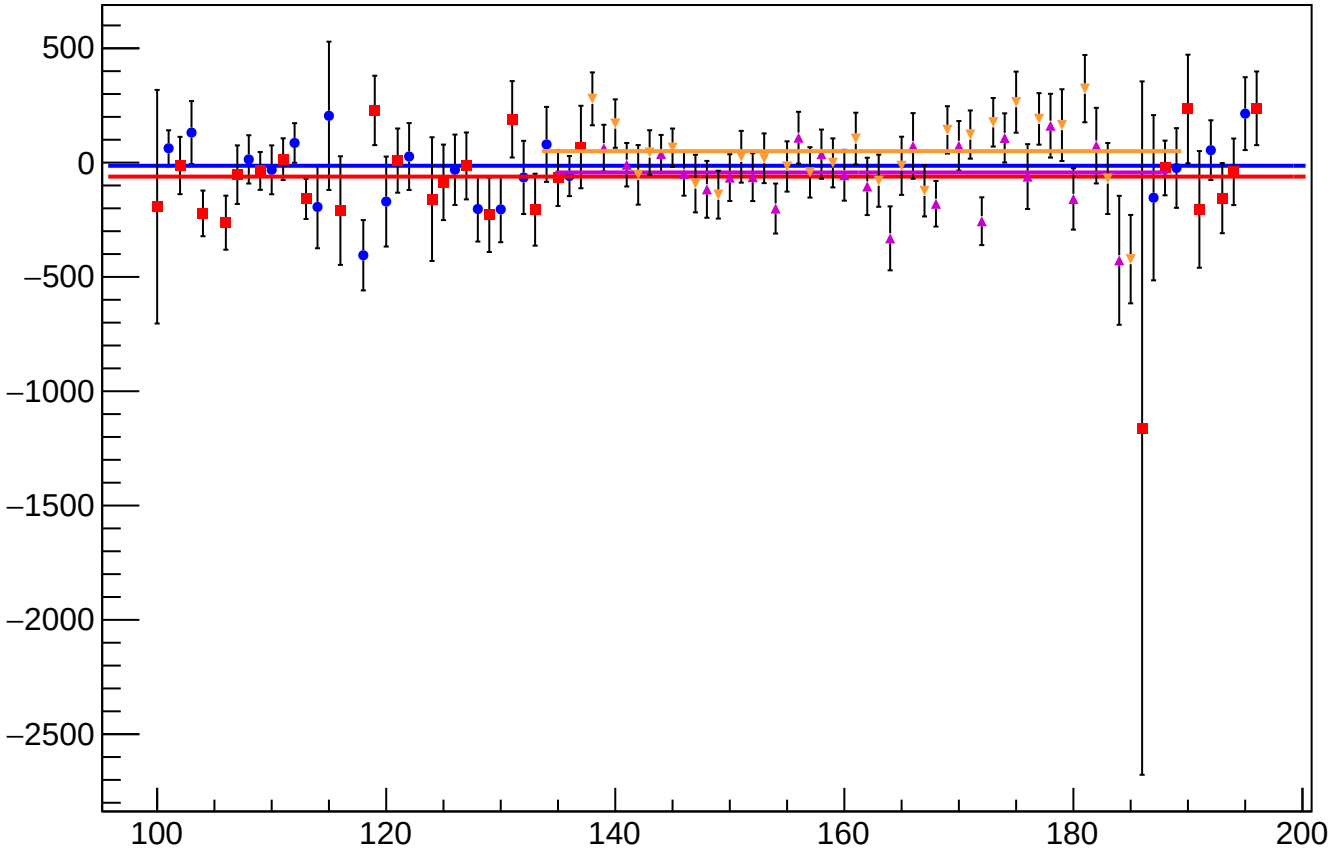
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7411958.6/44

All: 0.000+/-0.000 χ^2/NDF: 16776240.7/93

- sign 0.000+/-0.000 χ^2/NDF: 9285812.7/48

reg_asym_sam_1548_avg_mean vs Slug



Right In: -13.782+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -61.190+/-27.241 χ^2/NDF: 23.3/25

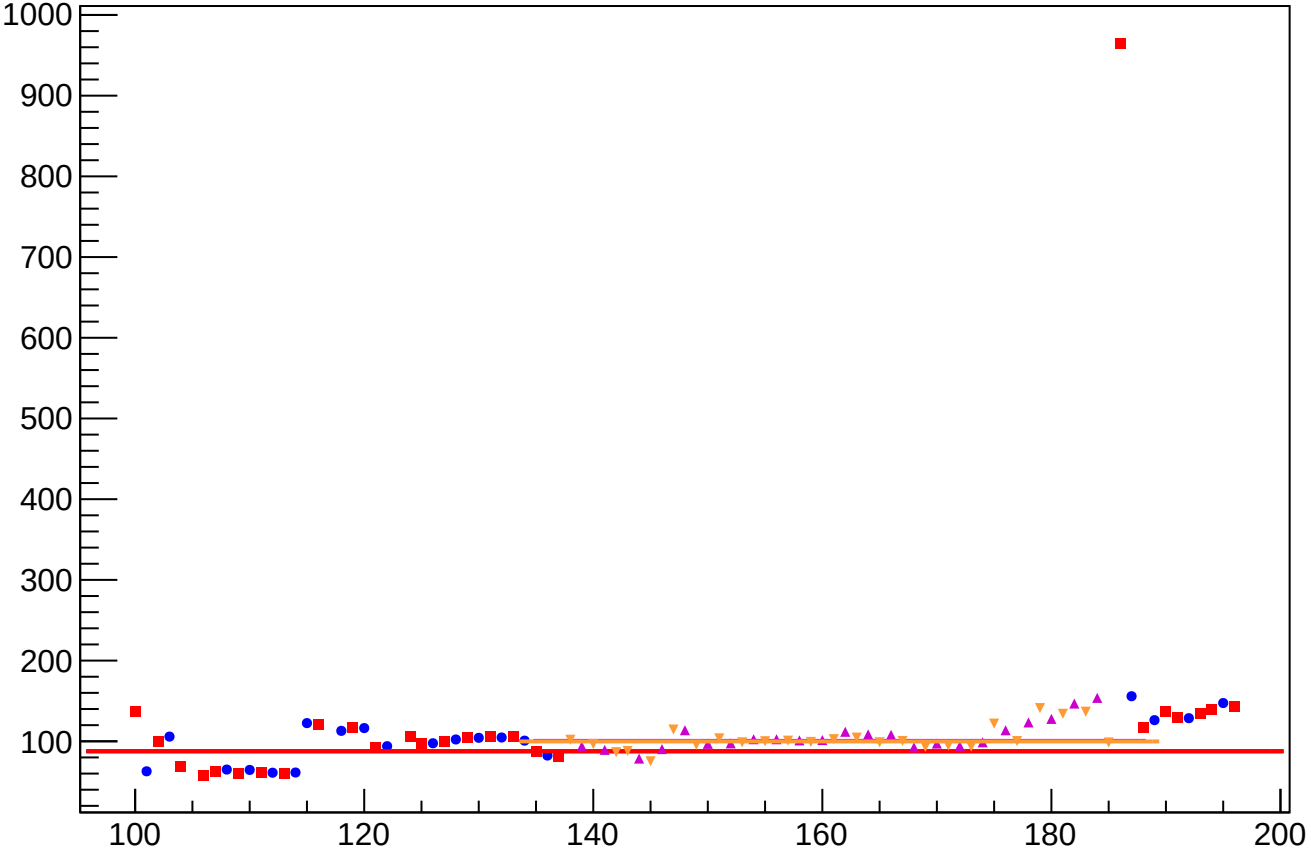
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.945+/-18.074 χ^2/NDF: 55.2/44

All: -12.825+/-12.720 χ^2/NDF: 114.5/93

- sign -50.873+/-17.905 χ^2/NDF: 50.2/48

reg_asym_sam_1548_avg_rms vs Slug



Right In: 87.599+/-0.021 χ^2/NDF: 1519724.7/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 87.691+/-0.019 χ^2/NDF: 2731442.3/25

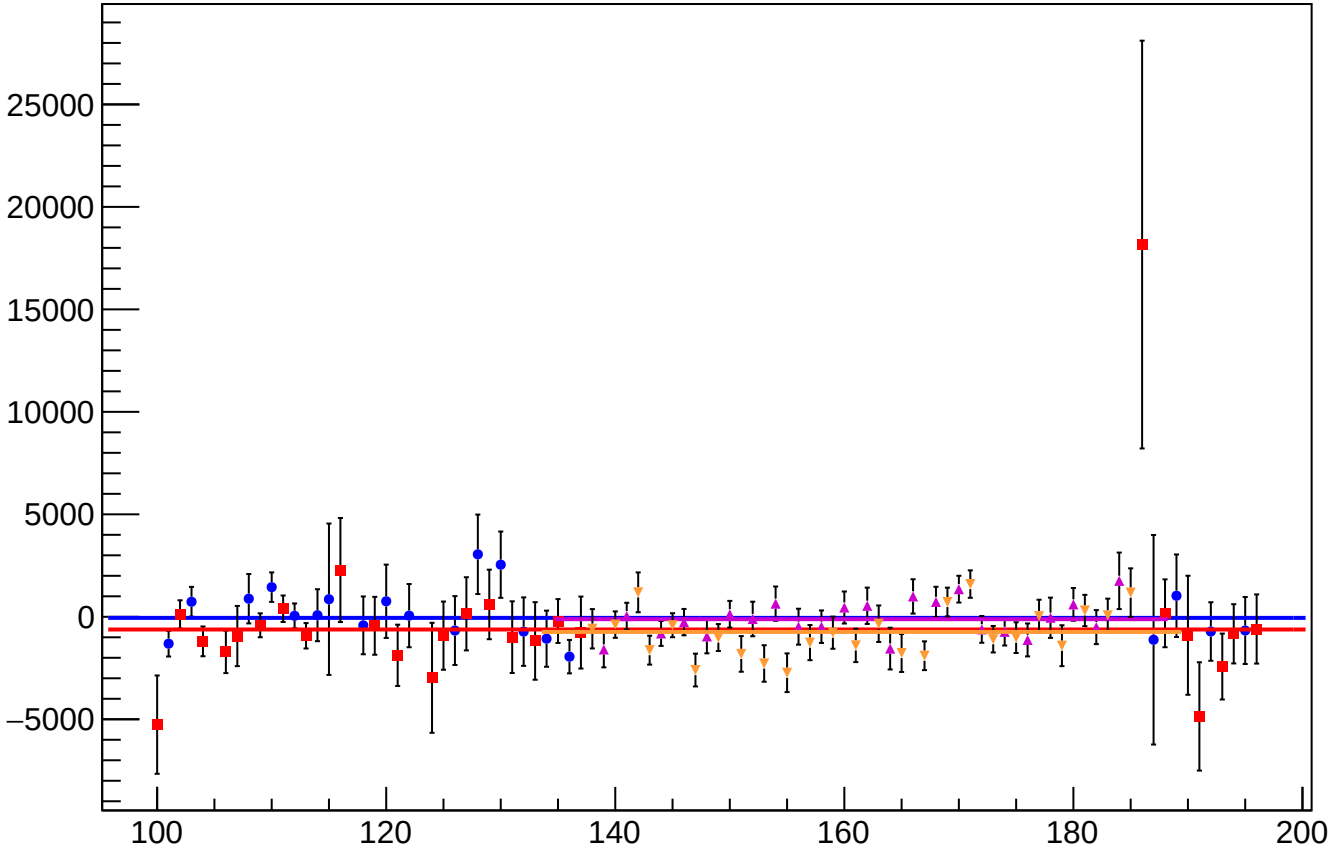
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 95.185+/-0.013 χ^2/NDF: 2433628.3/44

All: 95.074+/-0.009 χ^2/NDF: 6073140.9/93

\- sign 94.965+/-0.013 χ^2/NDF: 3639362.5/48

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -52.298+/-247.765 χ^2/NDF: 22.6/19

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -619.153+/-226.832 χ^2/NDF: 21.0/25

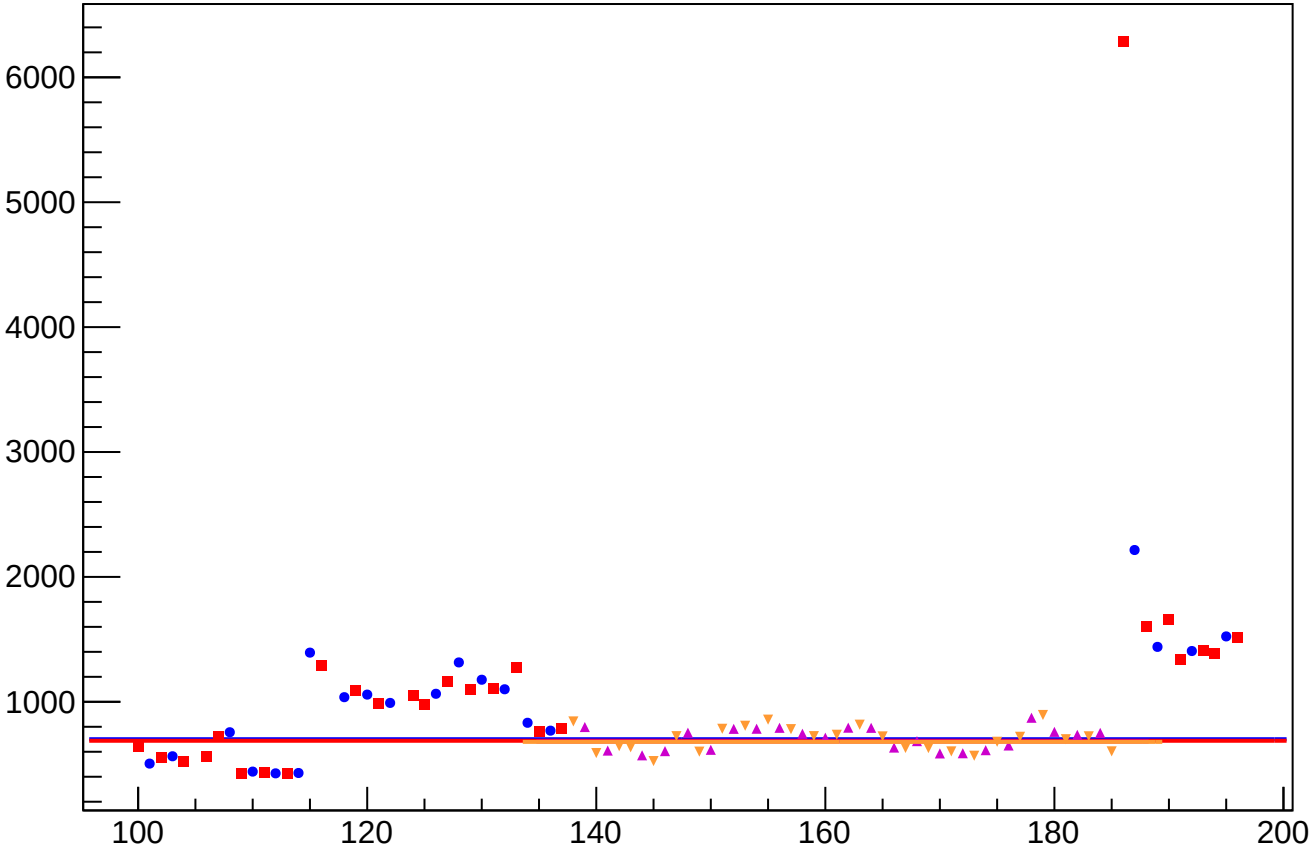
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.041+/-132.201 χ^2/NDF: 77.7/44

All: -412.775+/-93.155 χ^2/NDF: 127.7/93

- sign -284.308+/-131.285 χ^2/NDF: 48.0/48

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 700.584+/-0.175 χ^2/NDF: 3421856.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 688.115+/-0.160 χ^2/NDF: 5265546.7/25

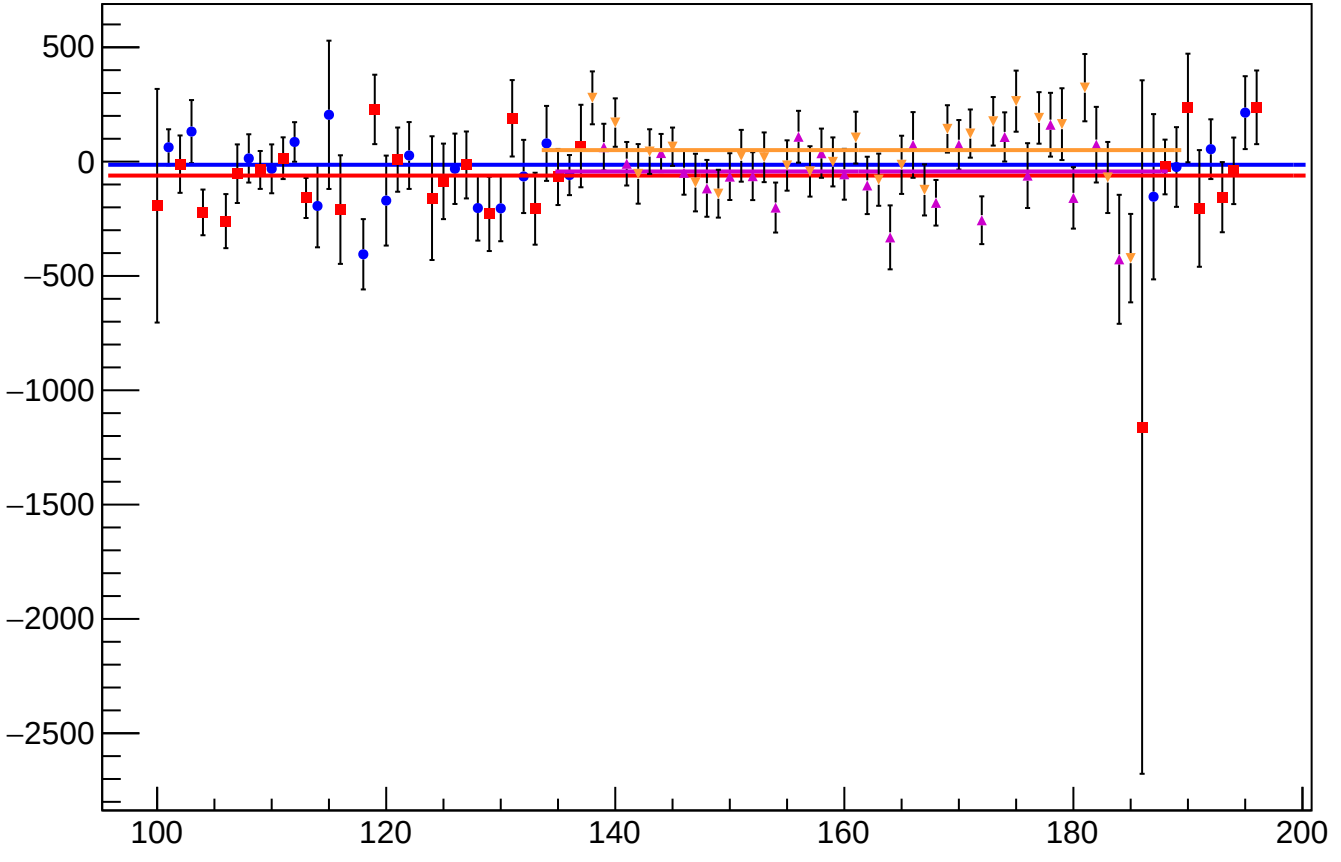
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 685.250+/-0.093 χ^2/NDF: 4169986.1/44

All: 684.609+/-0.066 χ^2/NDF: 10010439.1/93

- sign 683.977+/-0.093 χ^2/NDF: 5840359.7/48

cor_asym_sam_1548_avg_mean vs Slug



Right In: -13.783+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -60.969+/-27.242 χ^2/NDF: 23.2/25

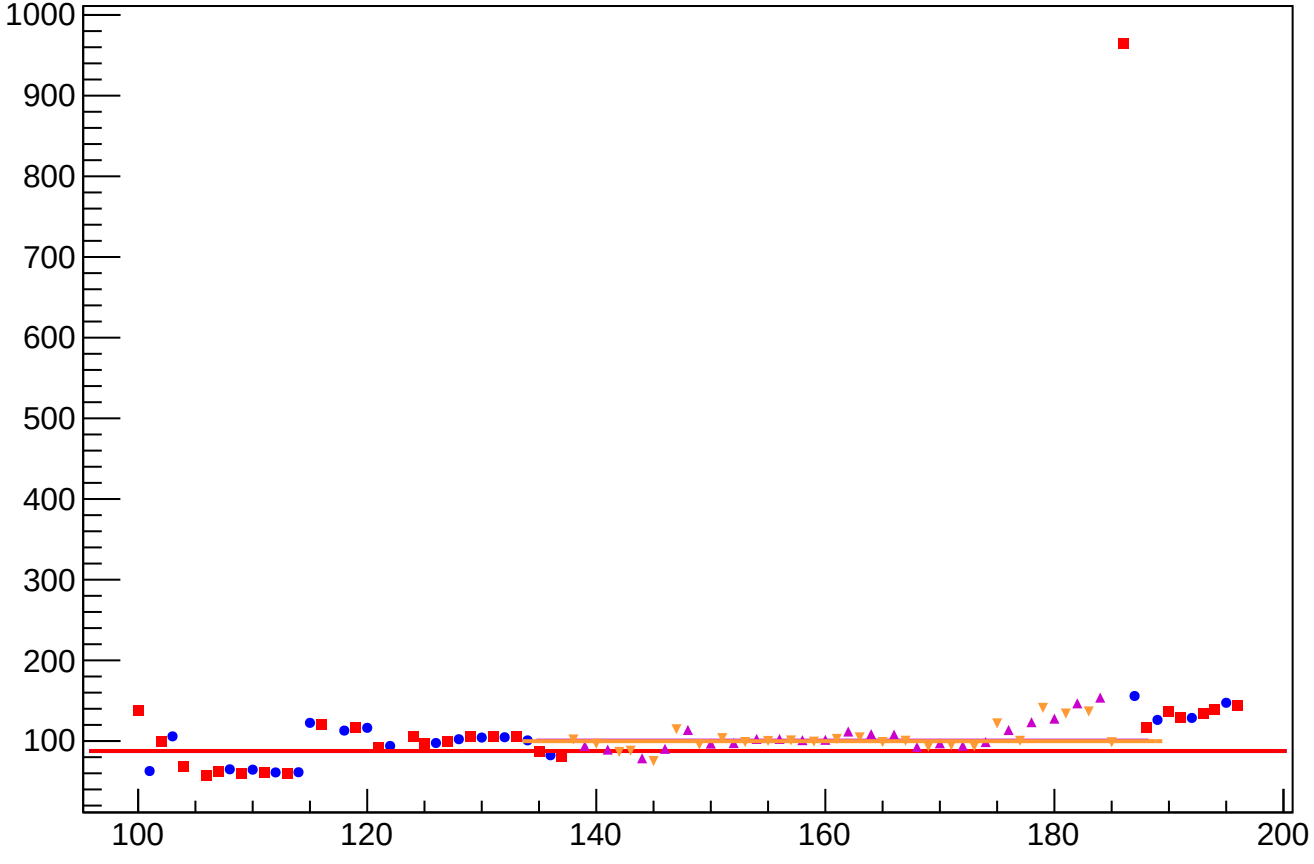
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.950+/-18.074 χ^2/NDF: 55.2/44

All: -12.773+/-12.720 χ^2/NDF: 114.4/93

- sign -50.778+/-17.905 χ^2/NDF: 50.1/48

cor_asym_sam_1548_avg_rms vs Slug



Right In: 87.599+/-0.021 χ^2/NDF: 1519726.6/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 87.677+/-0.019 χ^2/NDF: 2734338.4/25

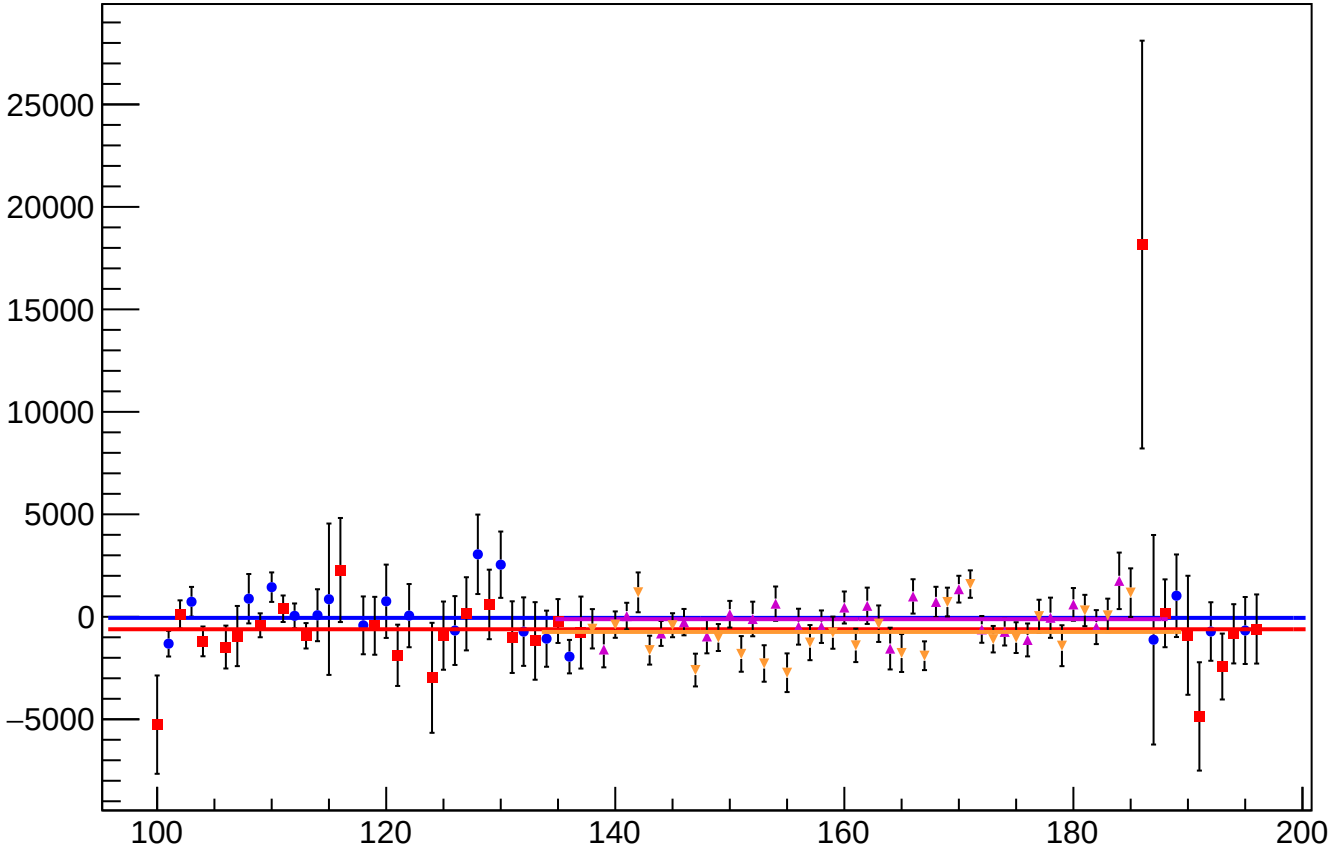
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 95.185+/-0.013 χ^2/NDF: 2433629.5/44

All: 95.071+/-0.009 χ^2/NDF: 6076600.2/93

\- sign 94.959+/-0.013 χ^2/NDF: 3642812.3/48

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -52.323+/-247.768 χ^2/NDF: 22.6/19

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -607.508+/-226.959 χ^2/NDF: 20.6/25

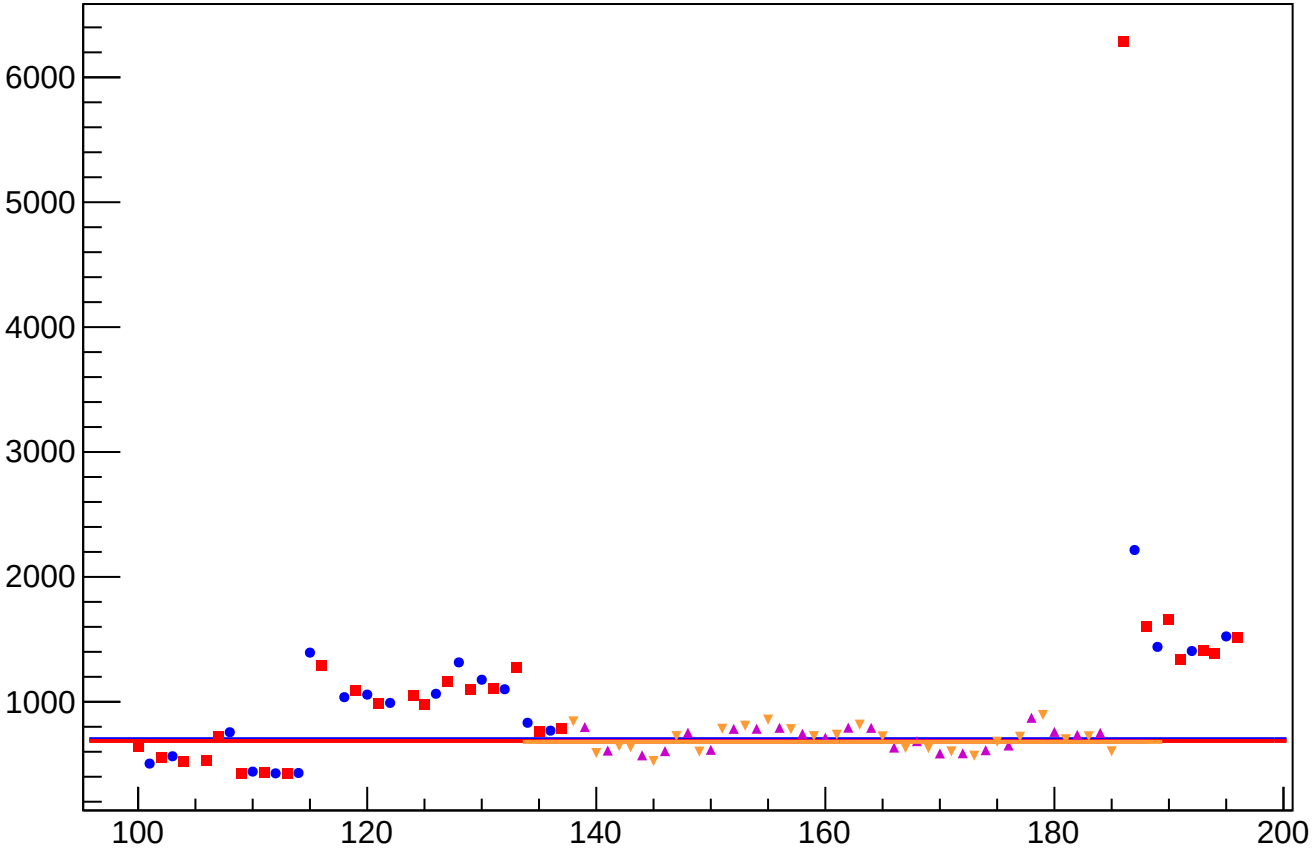
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.043+/-132.201 χ^2/NDF: 77.7/44

All: -410.774+/-93.164 χ^2/NDF: 127.1/93

- sign -280.284+/-131.310 χ^2/NDF: 47.4/48

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 700.594+/-0.175 χ^2/NDF: 3421781.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 686.693+/-0.160 χ^2/NDF: 5282247.4/25

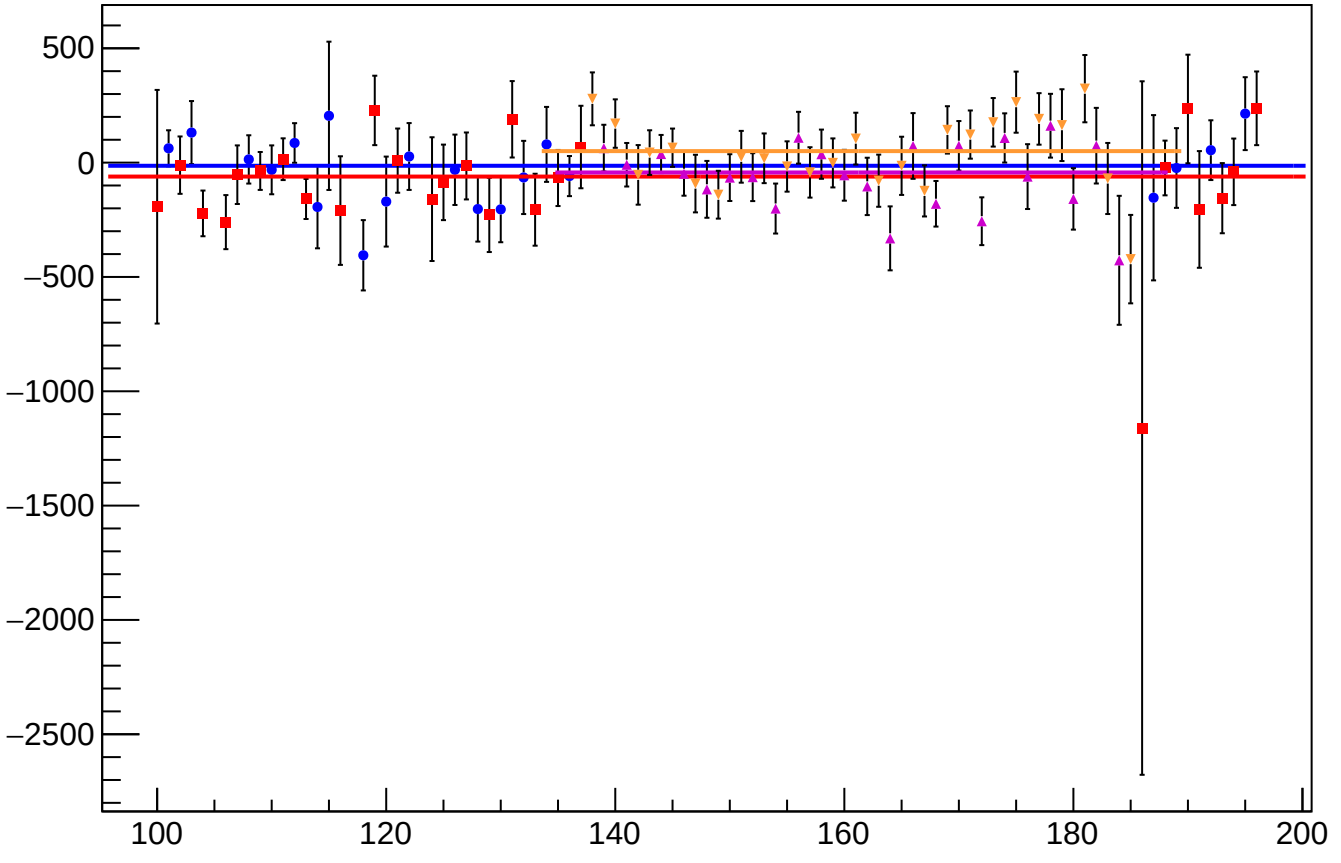
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 685.252+/-0.093 χ^2/NDF: 4169919.6/44

All: 684.370+/-0.066 χ^2/NDF: 10026752.5/93

- sign 683.500+/-0.093 χ^2/NDF: 5856656.0/48

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -13.783+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -60.969+/-27.242 χ^2/NDF: 23.2/25

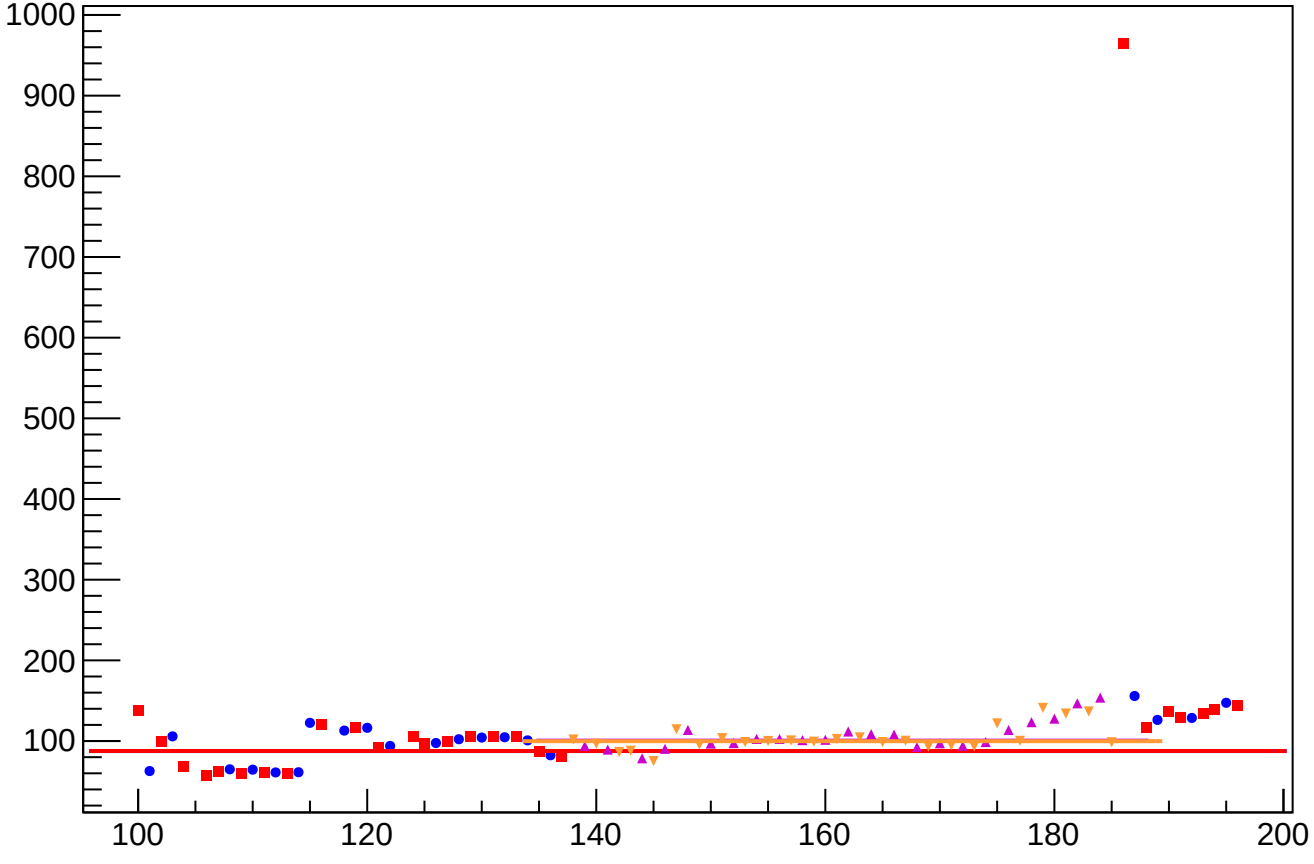
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.950+/-18.074 χ^2/NDF: 55.2/44

All: -12.773+/-12.720 χ^2/NDF: 114.4/93

- sign -50.778+/-17.905 χ^2/NDF: 50.1/48

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 87.599+/-0.021 χ^2/NDF: 1519726.6/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

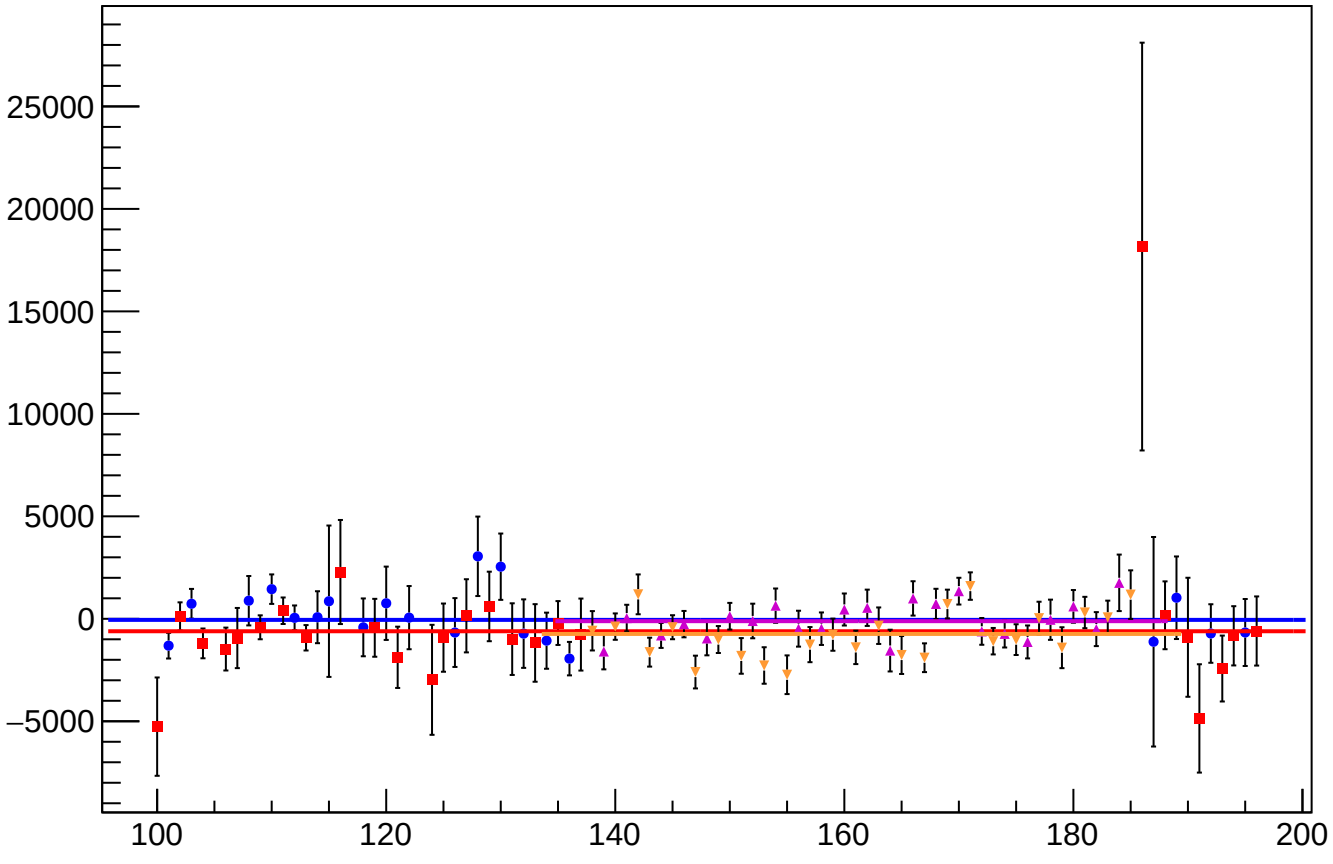
Right Out: 87.677+/-0.019 χ^2/NDF: 2734338.4/25

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.185+/-0.013 χ^2/NDF: 2433629.5/44

All: 95.071+/-0.009 χ^2/NDF: 6076600.2/93

- sign 94.959+/-0.013 χ^2/NDF: 3642812.3/48



Right In: -52.323+/-247.768 χ^2/NDF: 22.6/19

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -607.508+/-226.959 χ^2/NDF: 20.6/25

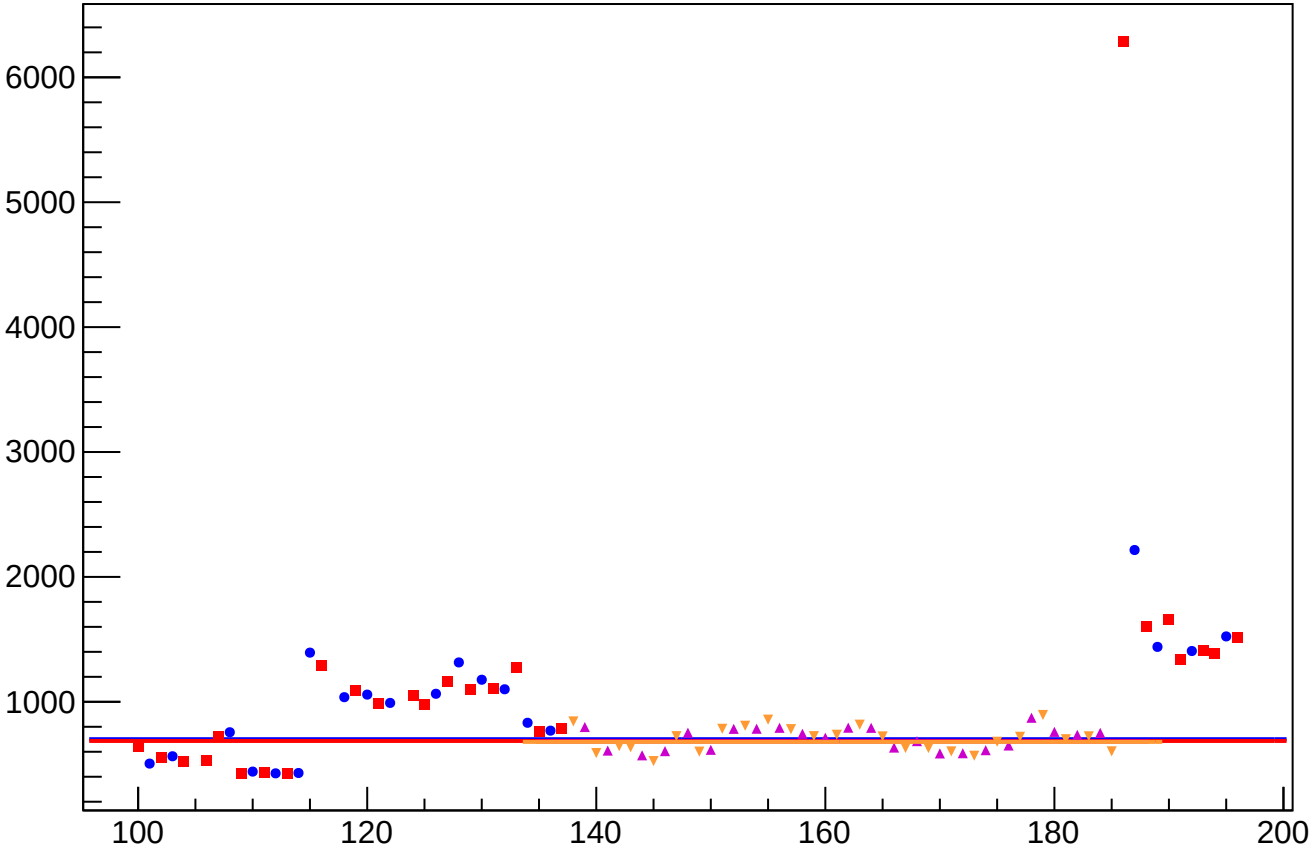
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.043+/-132.201 χ^2/NDF: 77.7/44

All: -410.774+/-93.164 χ^2/NDF: 127.1/93

- sign -280.284+/-131.310 χ^2/NDF: 47.4/48

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 700.594+/-0.175 χ^2/NDF: 3421781.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 686.693+/-0.160 χ^2/NDF: 5282247.4/25

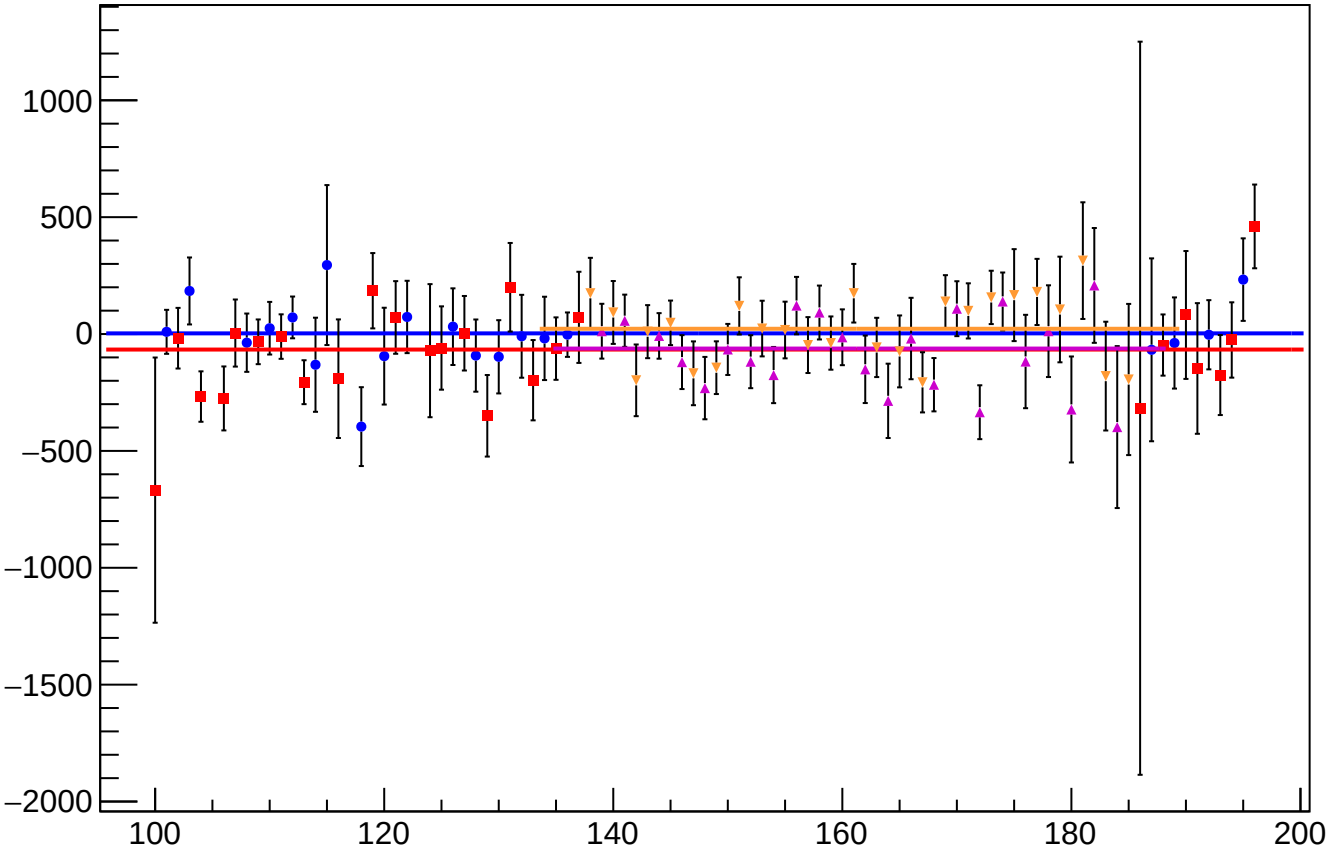
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 685.252+/-0.093 χ^2/NDF: 4169919.6/44

All: 684.370+/-0.066 χ^2/NDF: 10026752.5/93

- sign 683.500+/-0.093 χ^2/NDF: 5856656.0/48

dit_asym_sam_1548_avg_mean vs Slug



Right In: 2.855+/-32.143 χ^2/NDF: 12.1/19

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -66.387+/-29.777 χ^2/NDF: 28.9/25

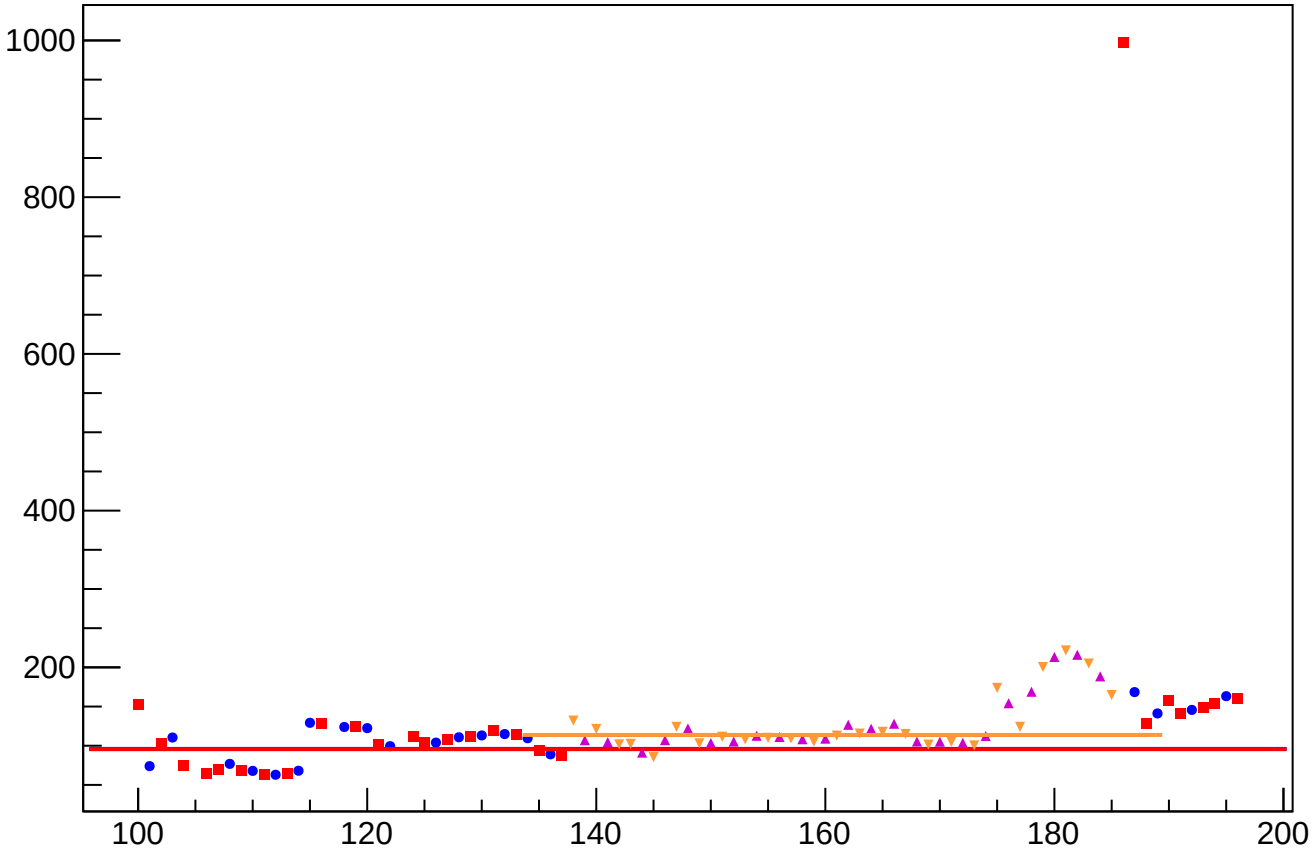
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 14.525+/-20.513 χ^2/NDF: 34.0/44

All: -25.511+/-14.370 χ^2/NDF: 97.7/93

- sign -64.098+/-20.138 χ^2/NDF: 56.2/48

dit_asym_sam_1548_avg_rms vs Slug



Right In: 95.922+/-0.023 χ^2/NDF: 1504542.4/19

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 95.612+/-0.021 χ^2/NDF: 2743750.6/25

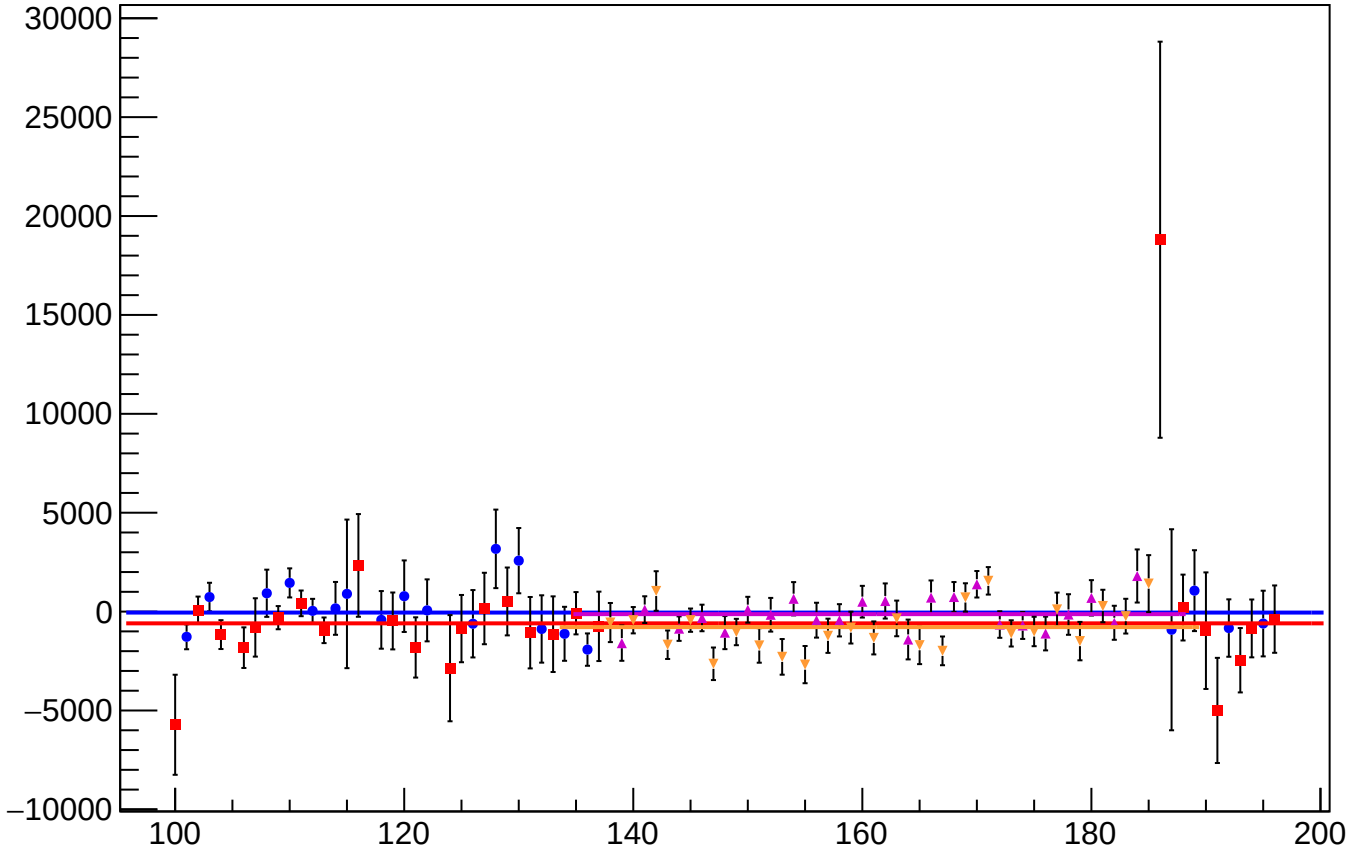
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 106.499+/-0.015 χ^2/NDF: 3449805.6/44

All: 105.946+/-0.010 χ^2/NDF: 7911879.0/93

- sign 105.414+/-0.014 χ^2/NDF: 4459223.0/48

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -48.754+/-250.185 χ^2/NDF: 22.3/19

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -593.999+/-229.411 χ^2/NDF: 21.8/25

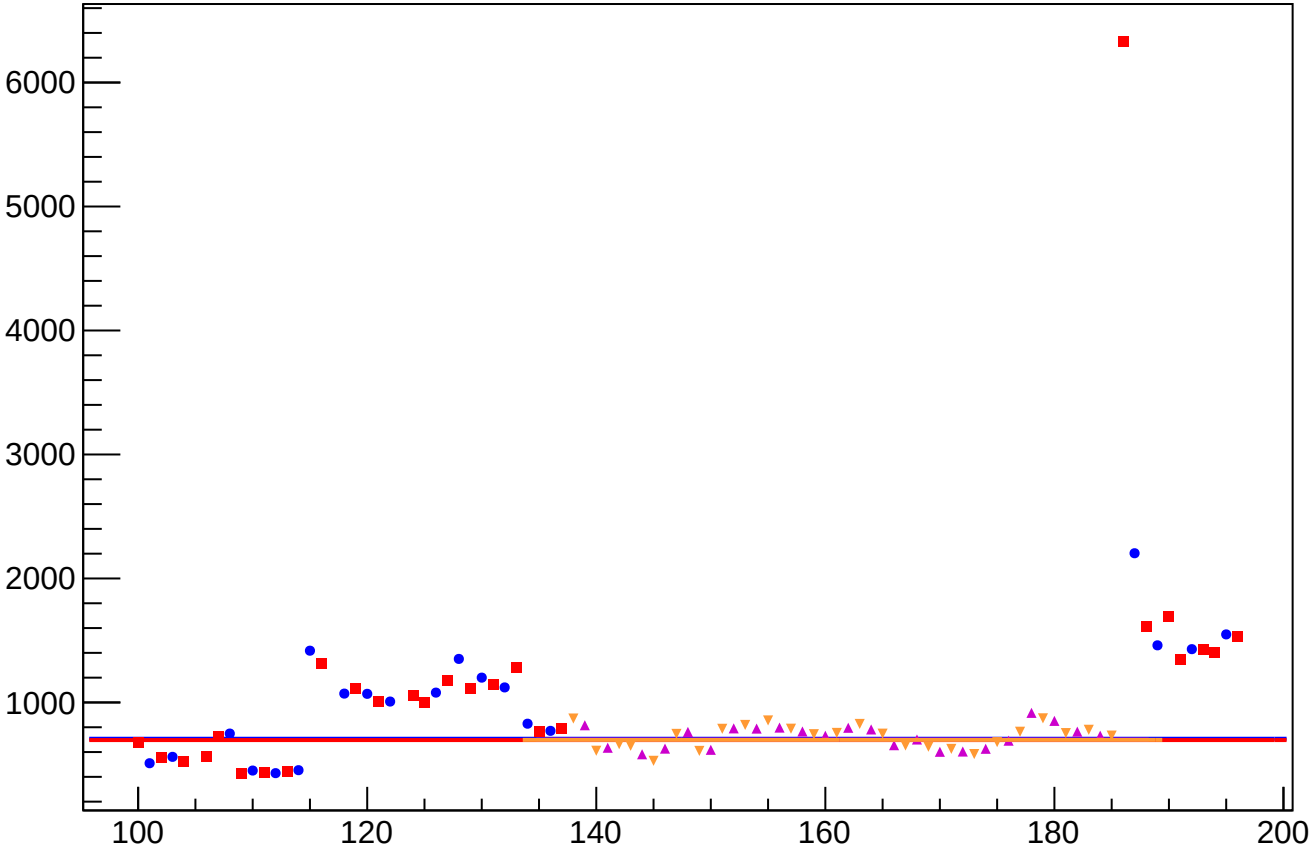
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -569.867+/-135.080 χ^2/NDF: 73.8/44

All: -427.543+/-95.163 χ^2/NDF: 123.3/93

- sign -287.300+/-134.088 χ^2/NDF: 47.2/48

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 707.281+/-0.177 χ^2/NDF: 3447887.2/19

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 696.580+/-0.162 χ^2/NDF: 5265928.0/25

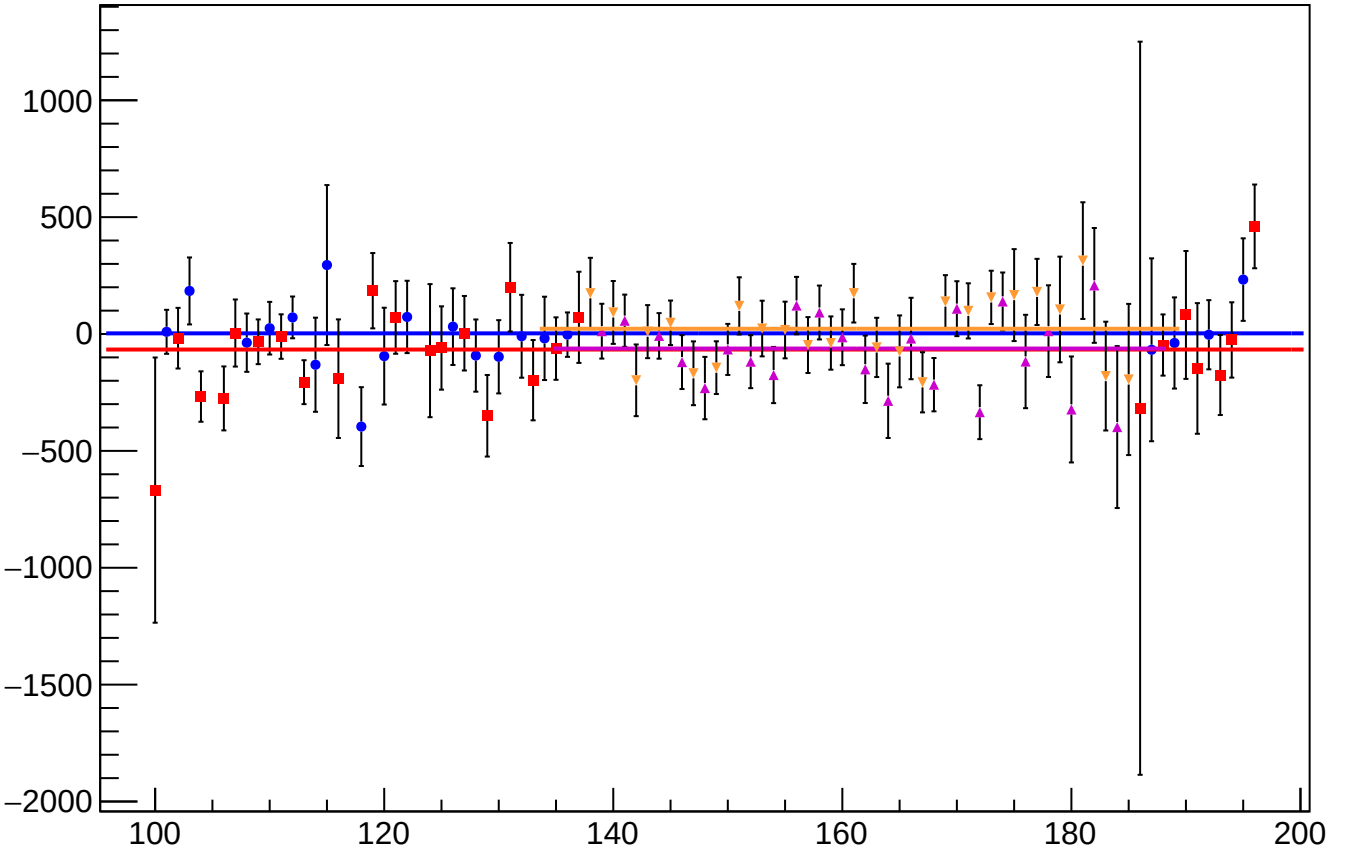
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 700.873+/-0.096 χ^2/NDF: 4164425.6/44

All: 699.871+/-0.067 χ^2/NDF: 10015197.2/93

- sign 698.884+/-0.095 χ^2/NDF: 5850553.1/48

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: 2.856+/-32.143 χ^2/NDF: 12.1/19

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -66.387+/-29.777 χ^2/NDF: 28.9/25

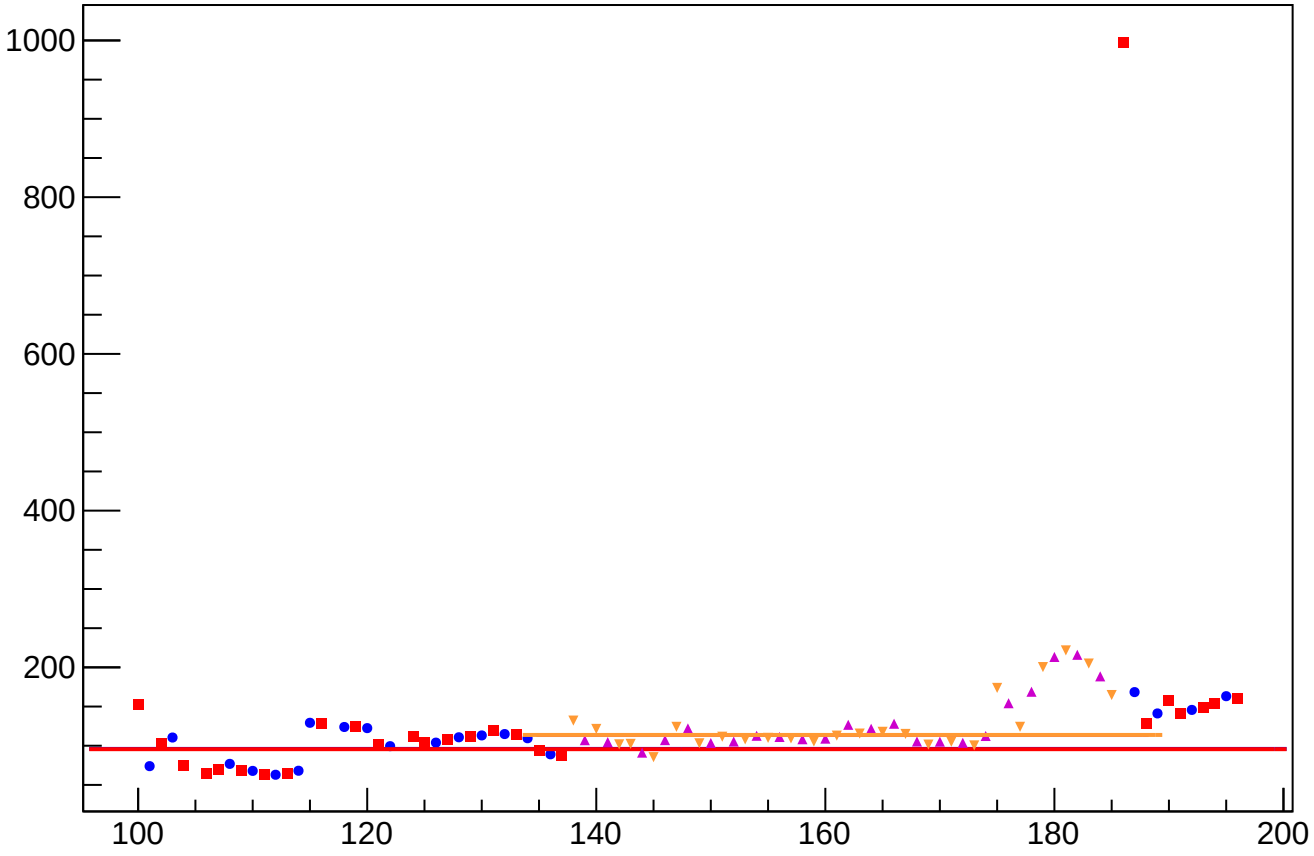
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 14.526+/-20.513 χ^2/NDF: 34.0/44

All: -25.510+/-14.370 χ^2/NDF: 97.7/93

- sign -64.098+/-20.138 χ^2/NDF: 56.2/48

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 95.922+/-0.023 χ^2/NDF: 1504537.9/19

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 95.612+/-0.021 χ^2/NDF: 2743750.2/25

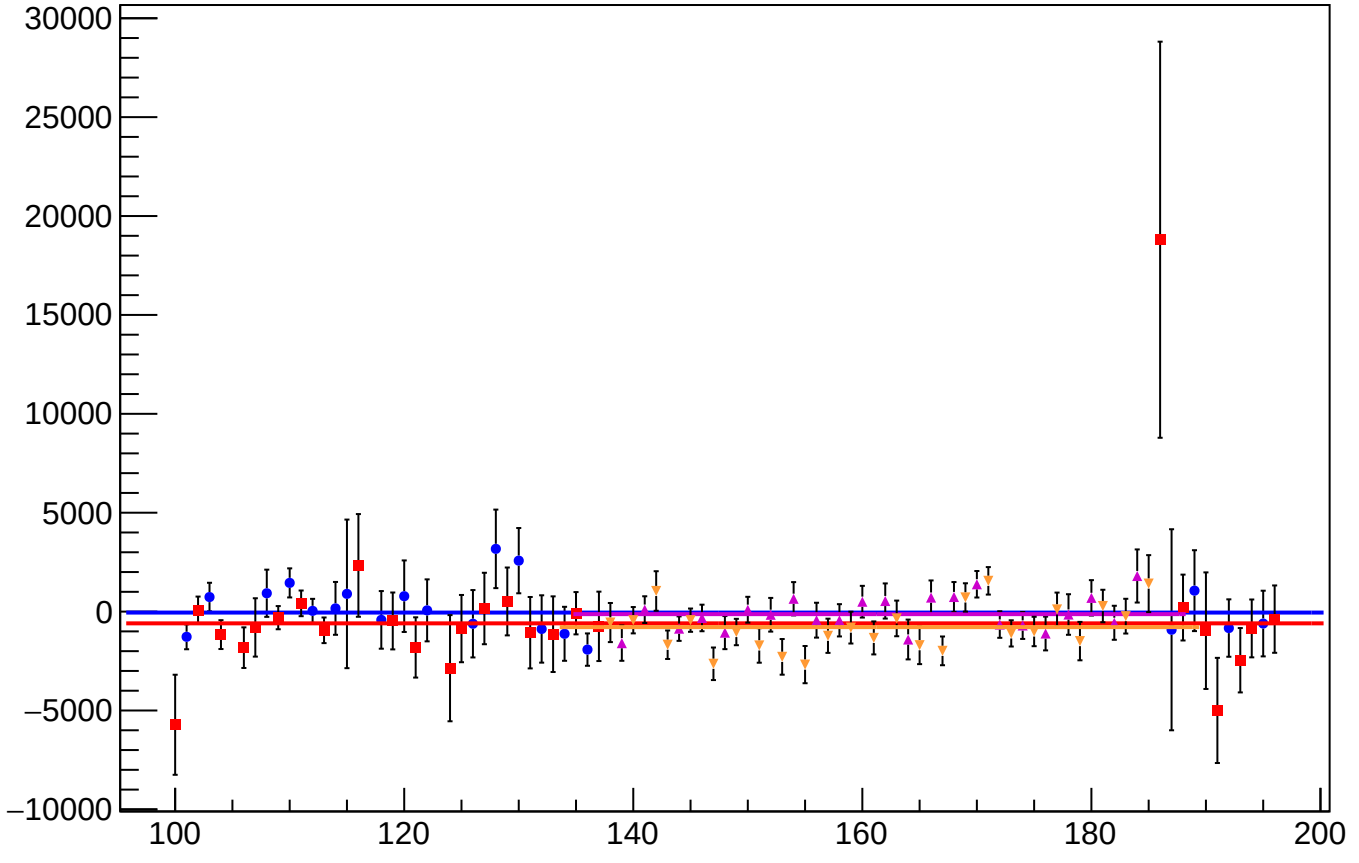
Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 106.499+/-0.015 χ^2/NDF: 3449797.8/44

All: 105.947+/-0.010 χ^2/NDF: 7911858.2/93

- sign 105.414+/-0.014 χ^2/NDF: 4459210.0/48

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -48.754+/-250.184 χ^2/NDF: 22.3/19

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

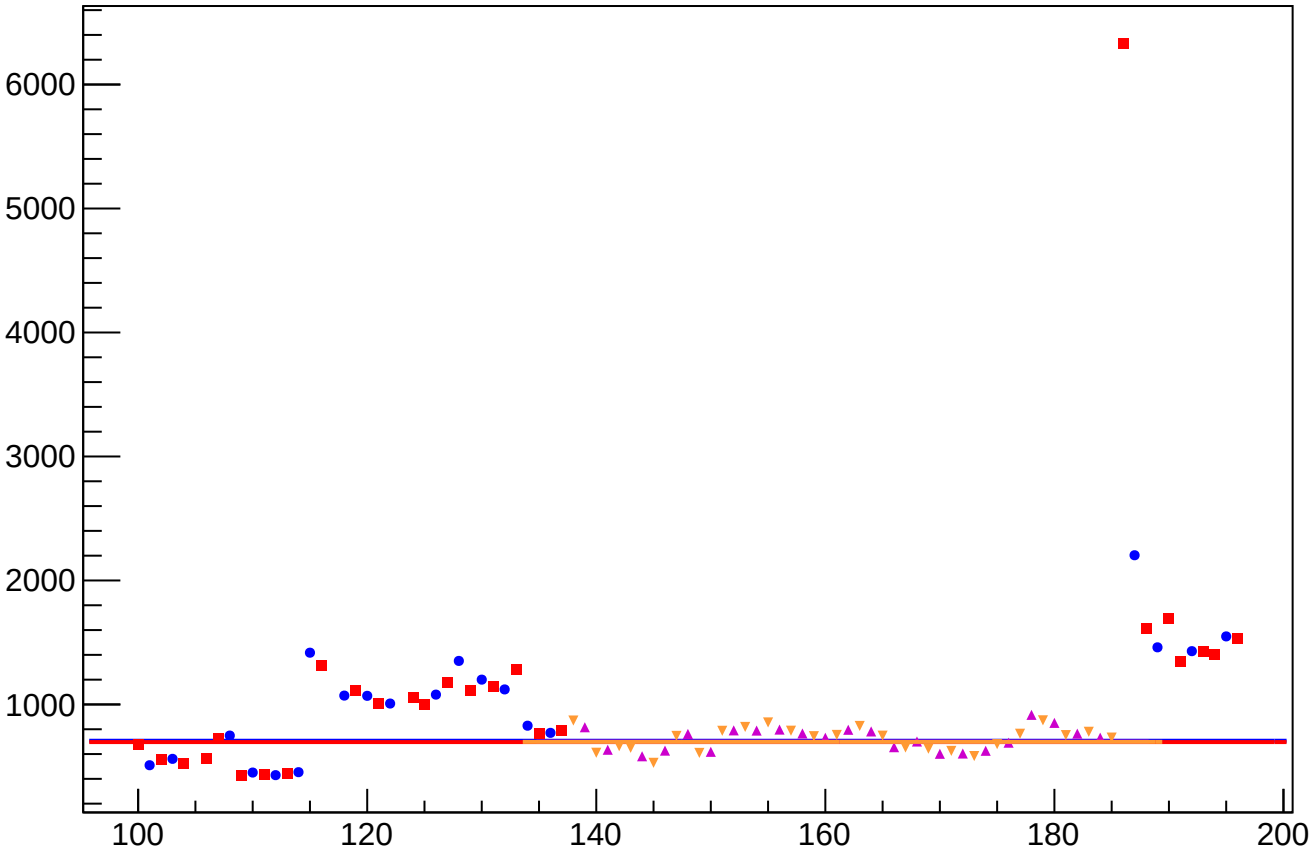
Right Out: -593.998+/-229.411 χ^2/NDF: 21.8/25

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -569.866+/-135.080 χ^2/NDF: 73.8/44

All: -427.542+/-95.163 χ^2/NDF: 123.3/93

- sign -287.299+/-134.088 χ^2/NDF: 47.2/48



Right In: 707.280+/-0.177 χ^2/NDF: 3447890.4/19

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 696.579+/-0.162 χ^2/NDF: 5265925.5/25

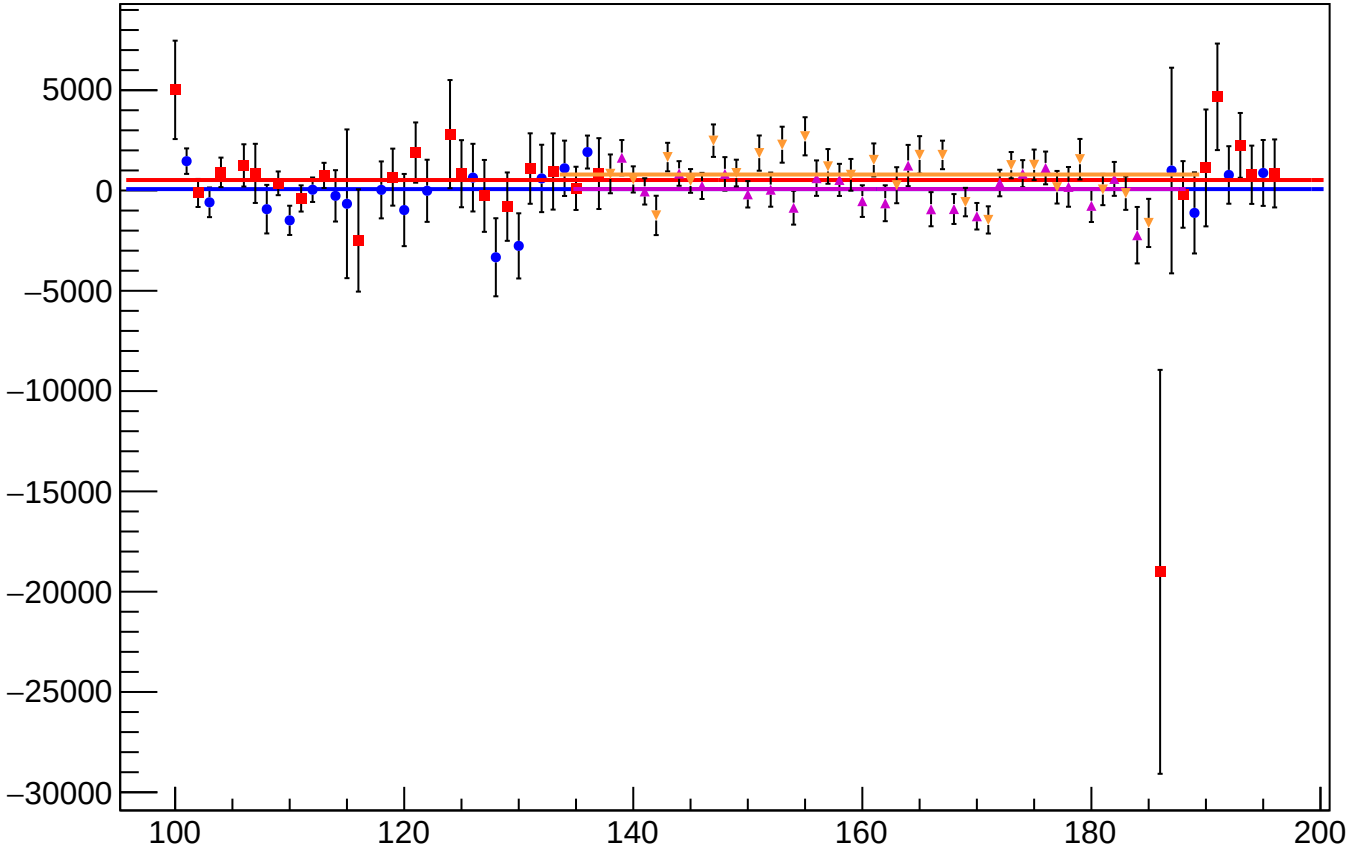
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 700.873+/-0.096 χ^2/NDF: 4164427.0/44

All: 699.871+/-0.067 χ^2/NDF: 10015191.6/93

- sign 698.883+/-0.095 χ^2/NDF: 5850546.0/48

asym_sam_1548_avg_mean vs Slug



Right In: 69.281+/-250.347 χ^2/NDF: 24.1/19

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 522.436+/-229.187 χ^2/NDF: 19.0/25

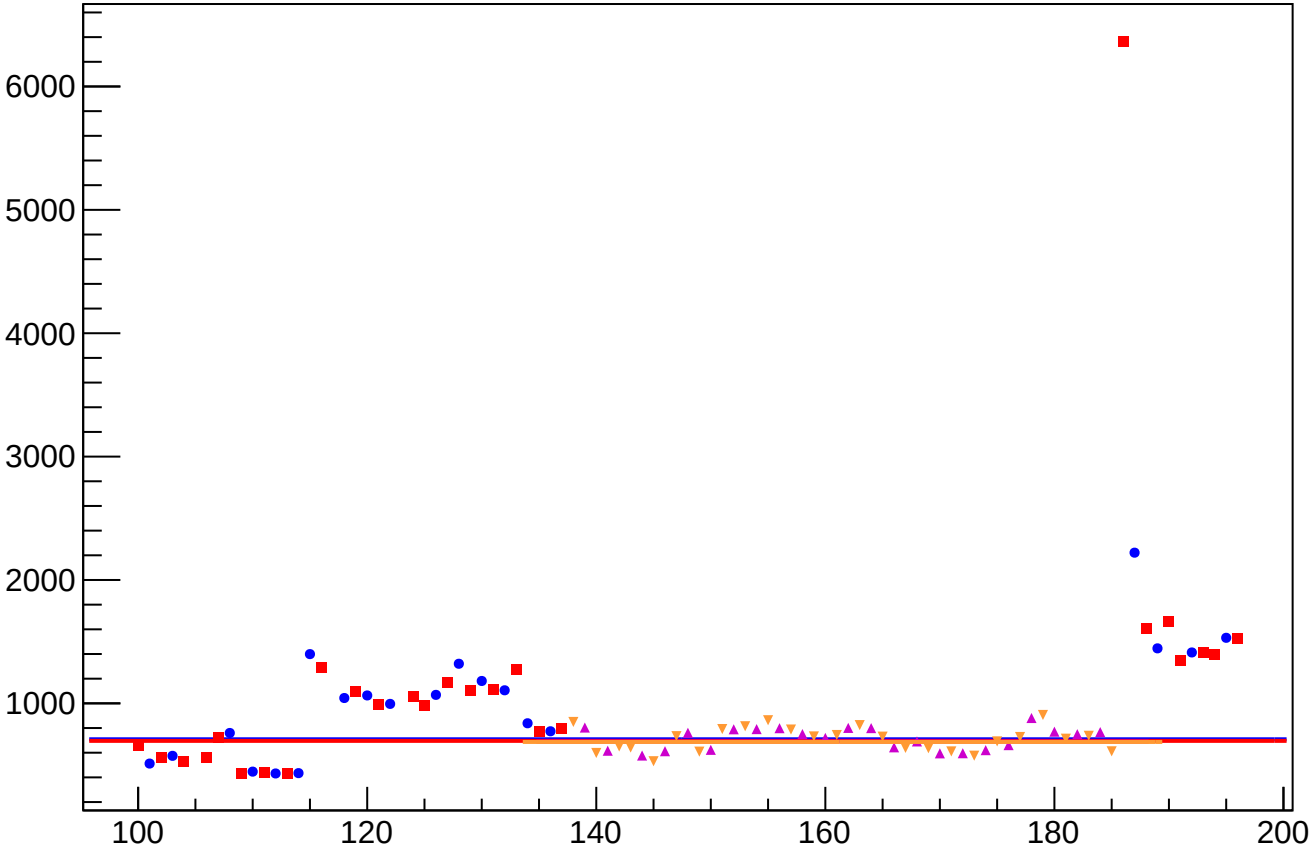
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 589.372+/-133.701 χ^2/NDF: 76.5/44

All: 405.483+/-94.208 χ^2/NDF: 126.7/93

- sign 224.154+/-132.766 χ^2/NDF: 46.4/48

asym_sam_1548_avg_rms vs Slug



Right In: 708.813+/-0.177 χ^2/NDF: 3374485.0/19

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

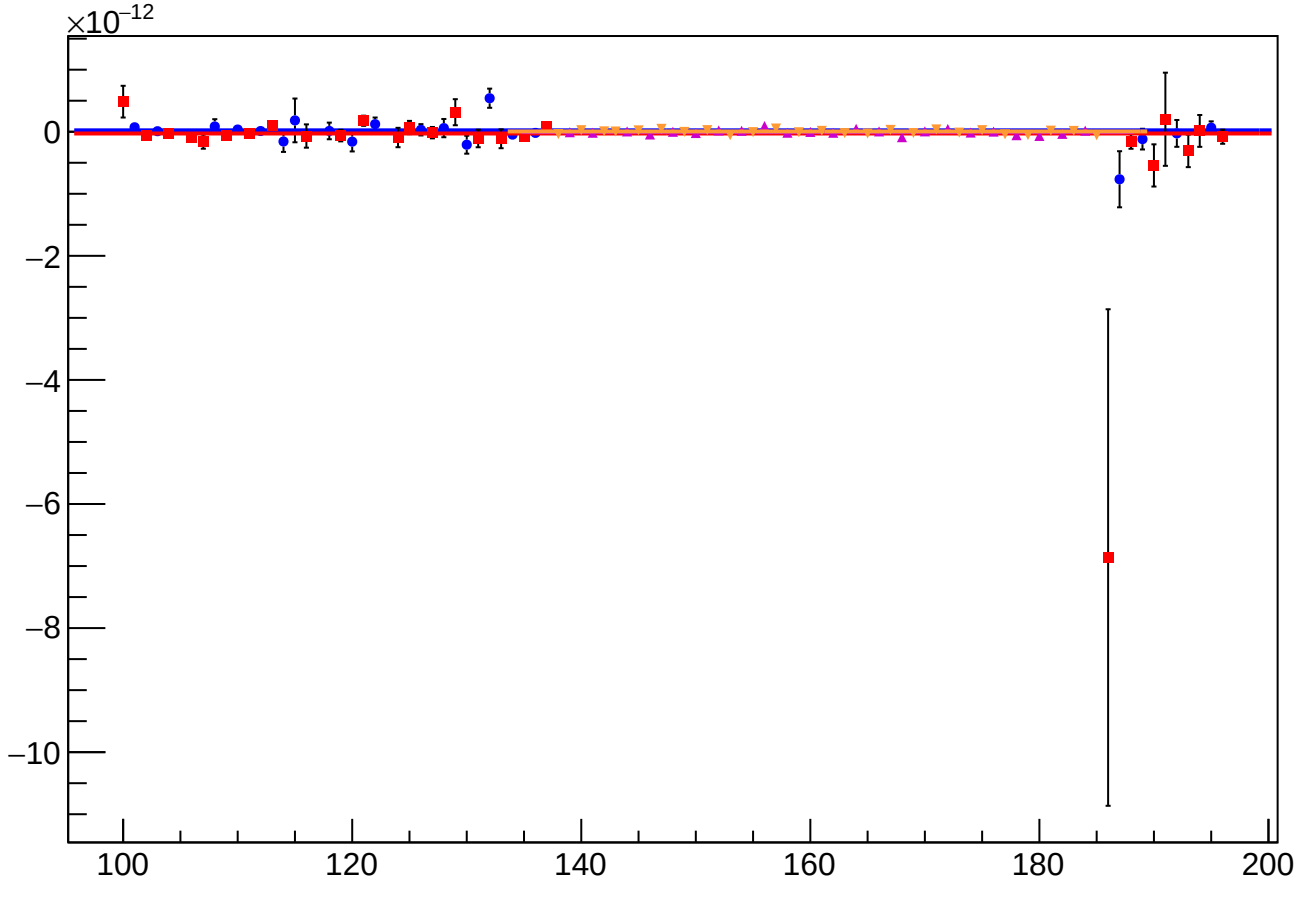
Right Out: 695.964+/-0.162 χ^2/NDF: 5212160.1/25

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 693.395+/-0.095 χ^2/NDF: 4113092.0/44

All: 692.692+/-0.067 χ^2/NDF: 9893351.6/93

- sign 691.999+/-0.094 χ^2/NDF: 5780149.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

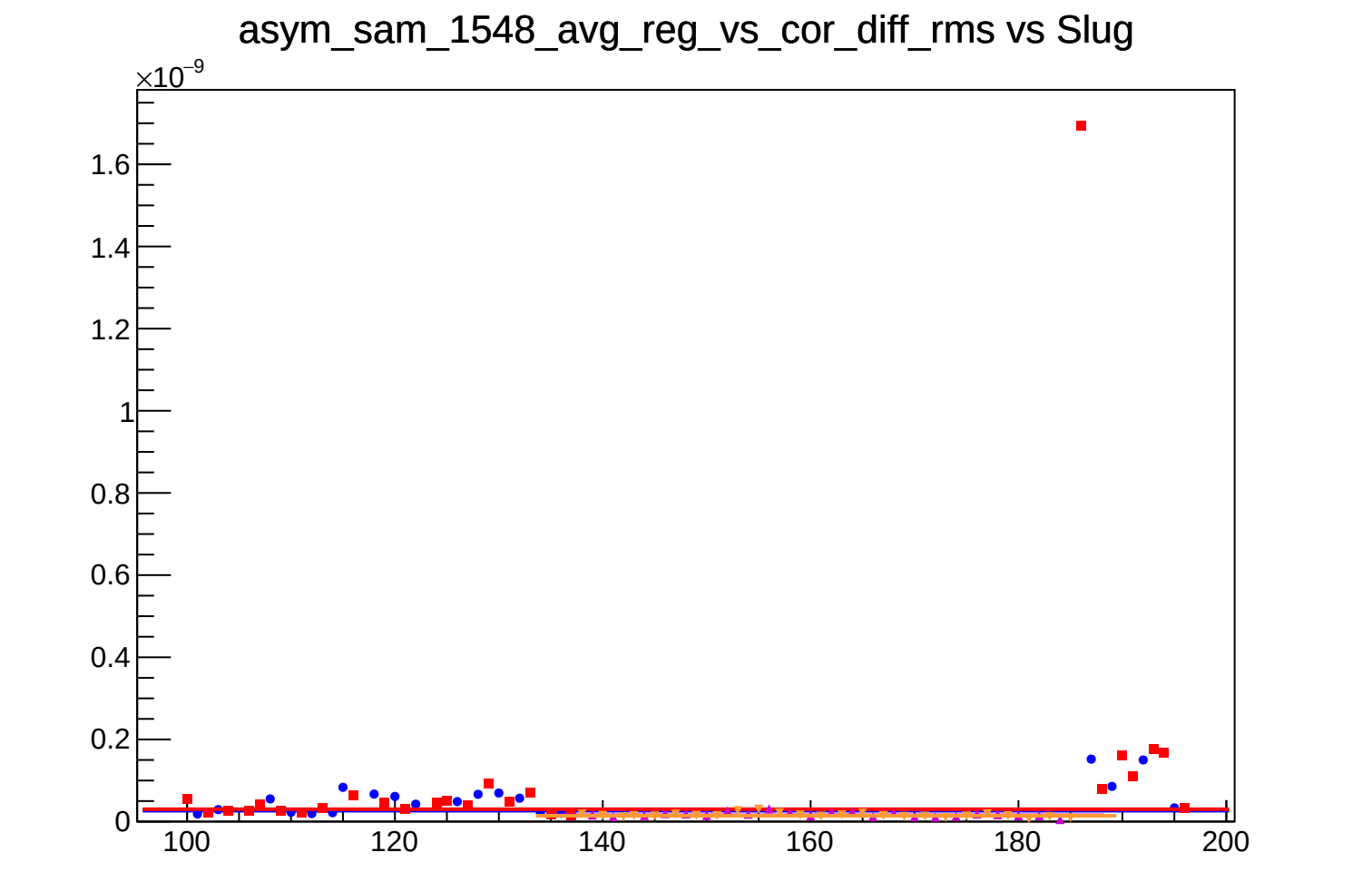
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/25

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/44

All: -0.000+/-0.000 χ^2/NDF: 116.9/93

- sign -0.000+/-0.000 χ^2/NDF: 61.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2394886.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

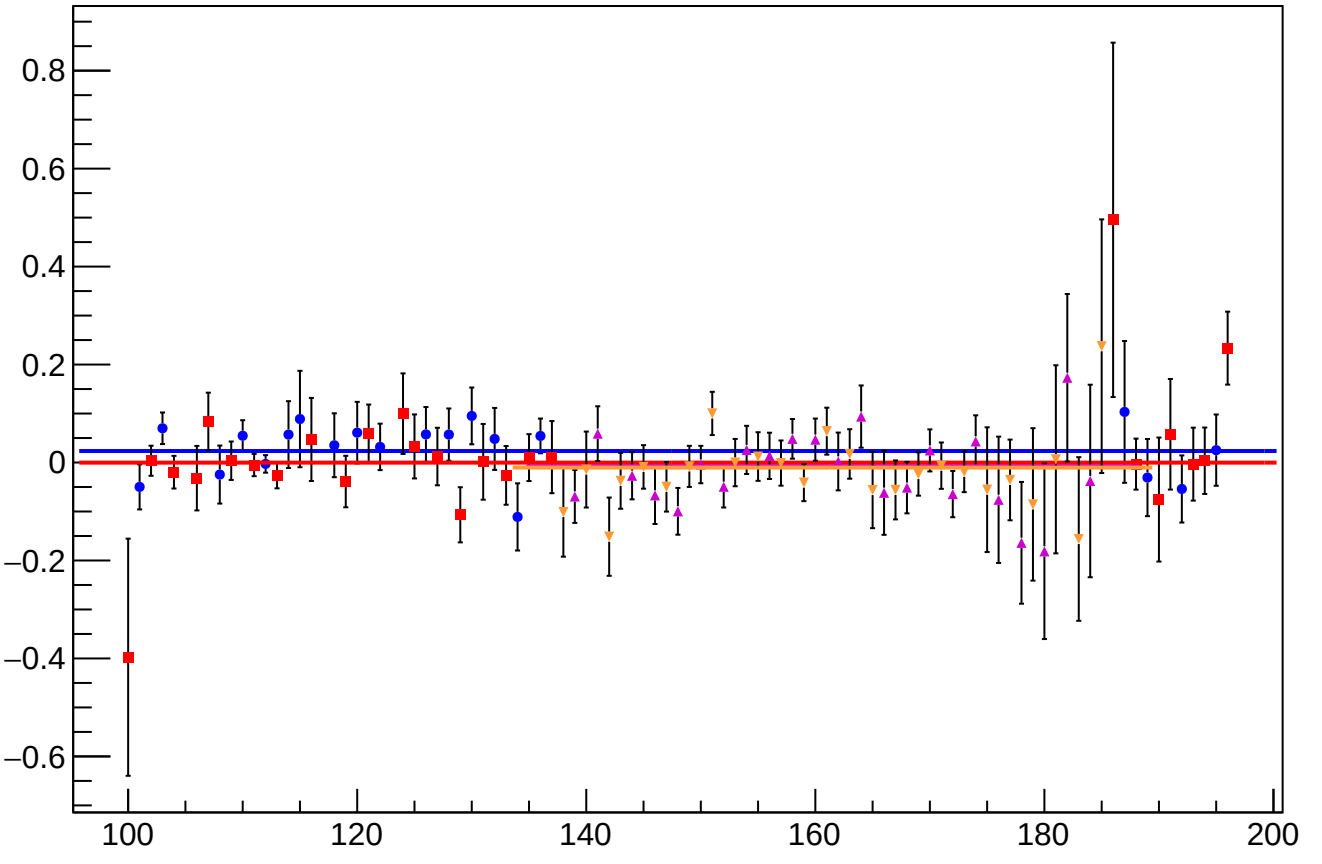
Right Out: 0.000+/-0.000 χ^2/NDF: 3256366.1/25

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4578964.6/44

All: 0.000+/-0.000 χ^2/NDF: 10534536.5/93

- sign 0.000+/-0.000 χ^2/NDF: 5902430.0/48



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

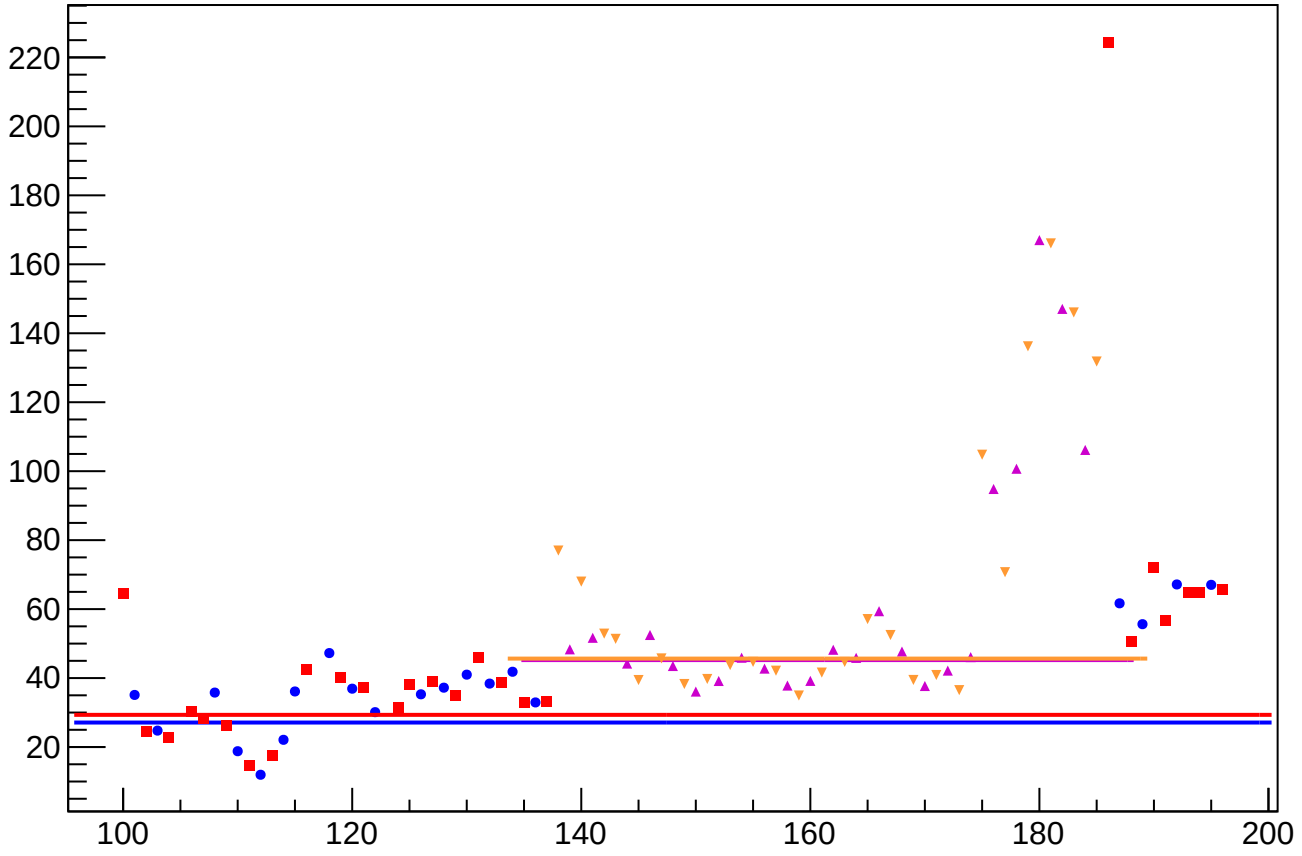
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.003+/-0.005 χ^2/NDF: 92.7/93

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.106+/-0.007 χ^2/NDF: 4063833.8/19

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

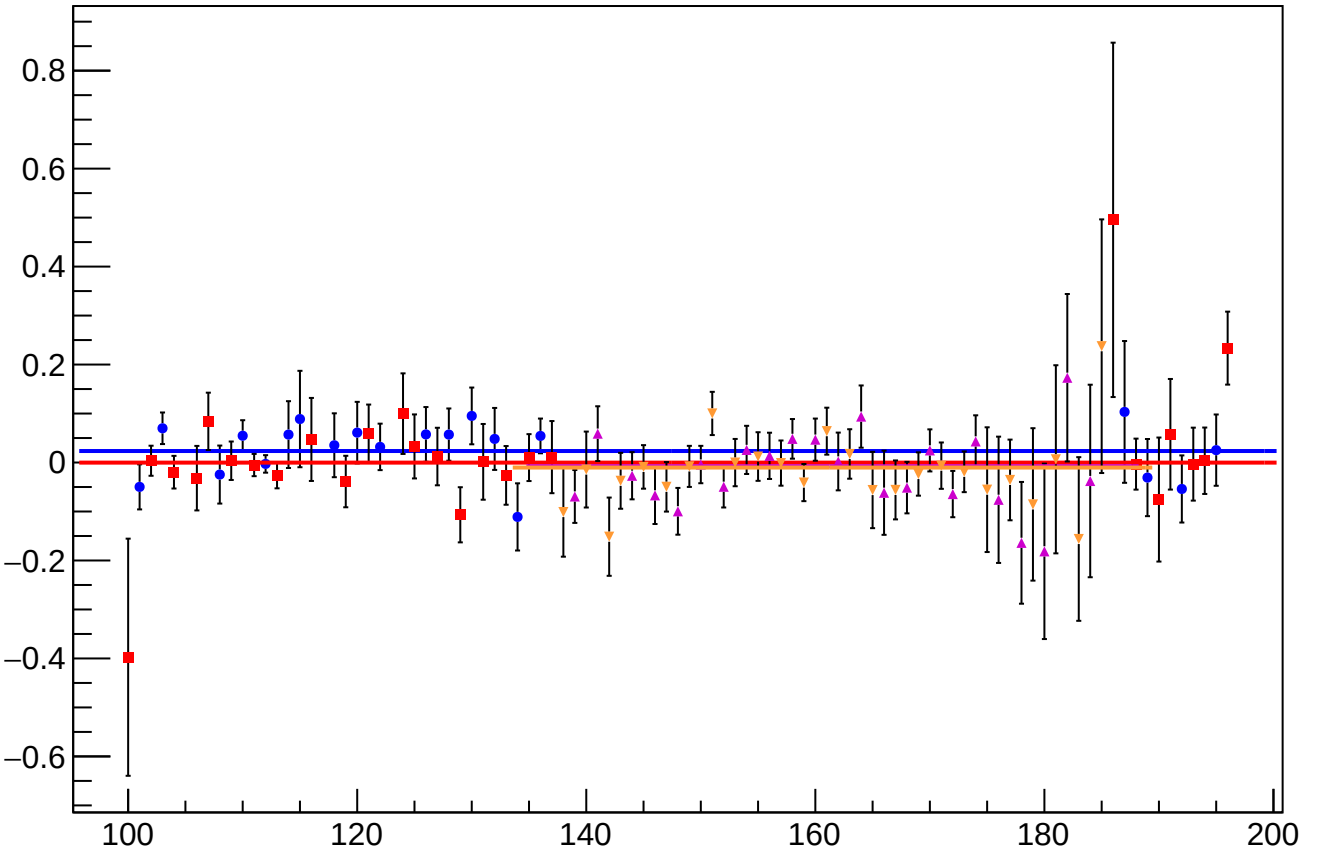
Right Out: 29.334+/-0.007 χ^2/NDF: 4613092.5/25

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098232.6/44

All: 35.686+/-0.004 χ^2/NDF: 20945314.4/93

- sign 36.065+/-0.005 χ^2/NDF: 9836624.6/48



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

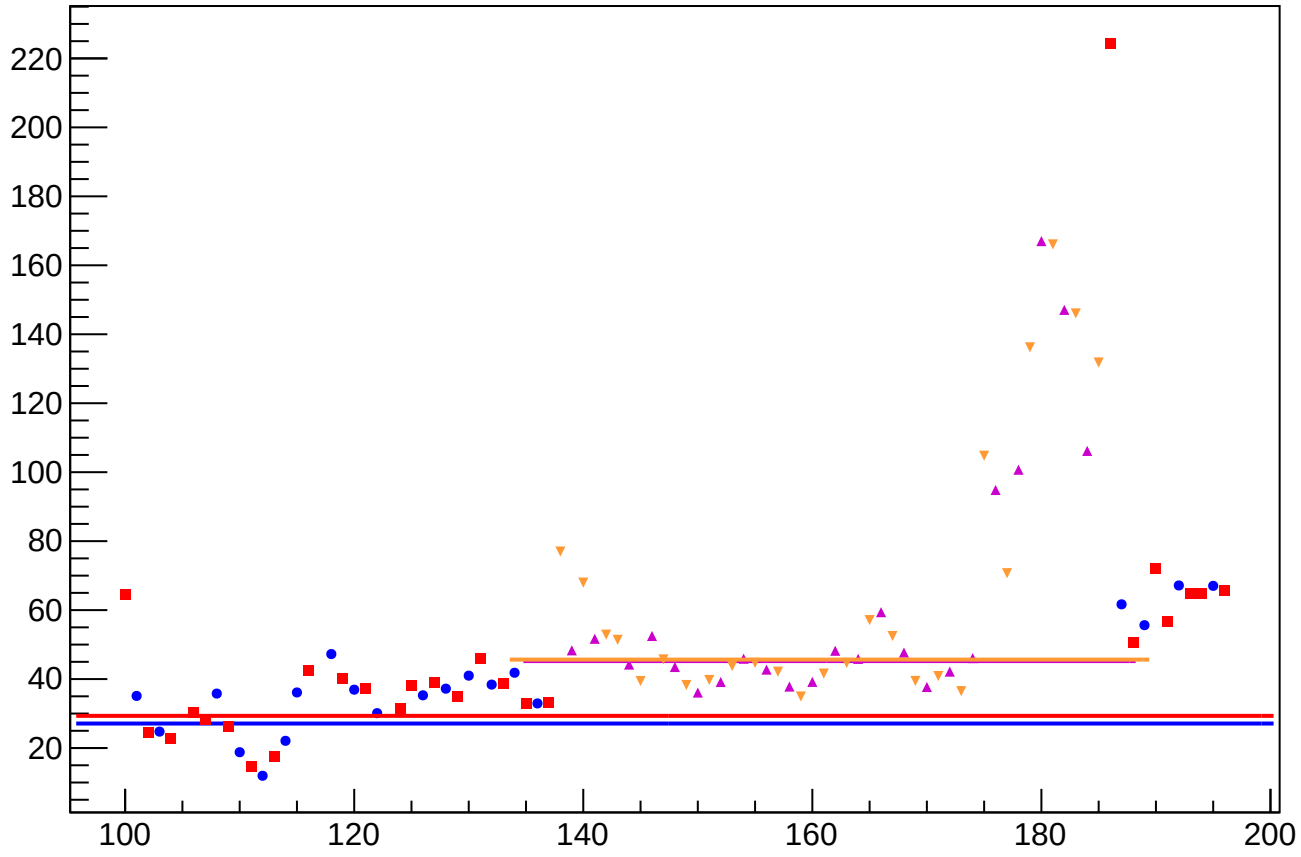
Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.003+/-0.005 χ^2/NDF: 92.7/93

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48



Right In: 27.106+/-0.007 χ^2/NDF: 4063833.8/19

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

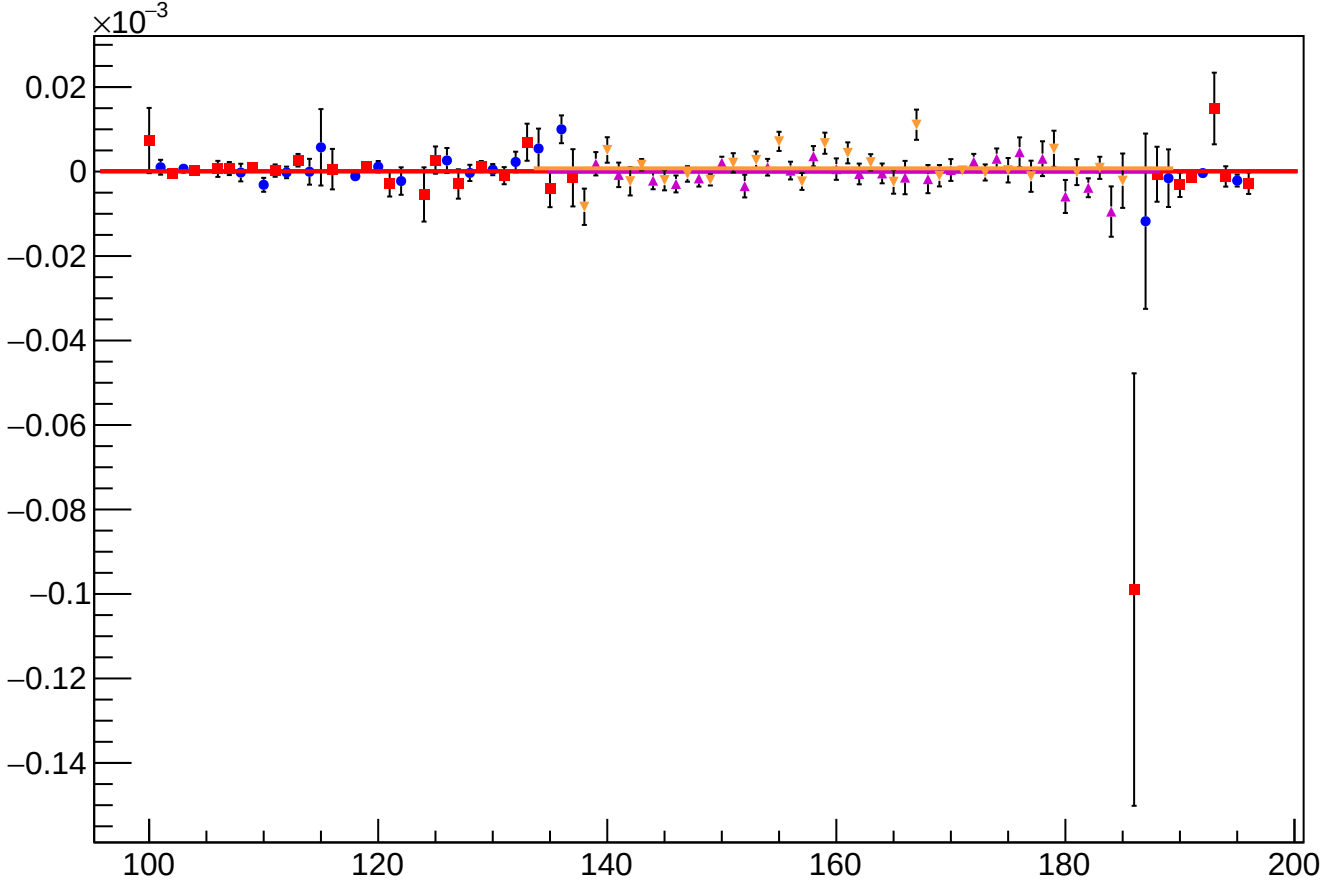
Right Out: 29.334+/-0.007 χ^2/NDF: 4613092.5/25

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098232.6/44

All: 35.686+/-0.004 χ^2/NDF: 20945314.4/93

- sign 36.065+/-0.005 χ^2/NDF: 9836624.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

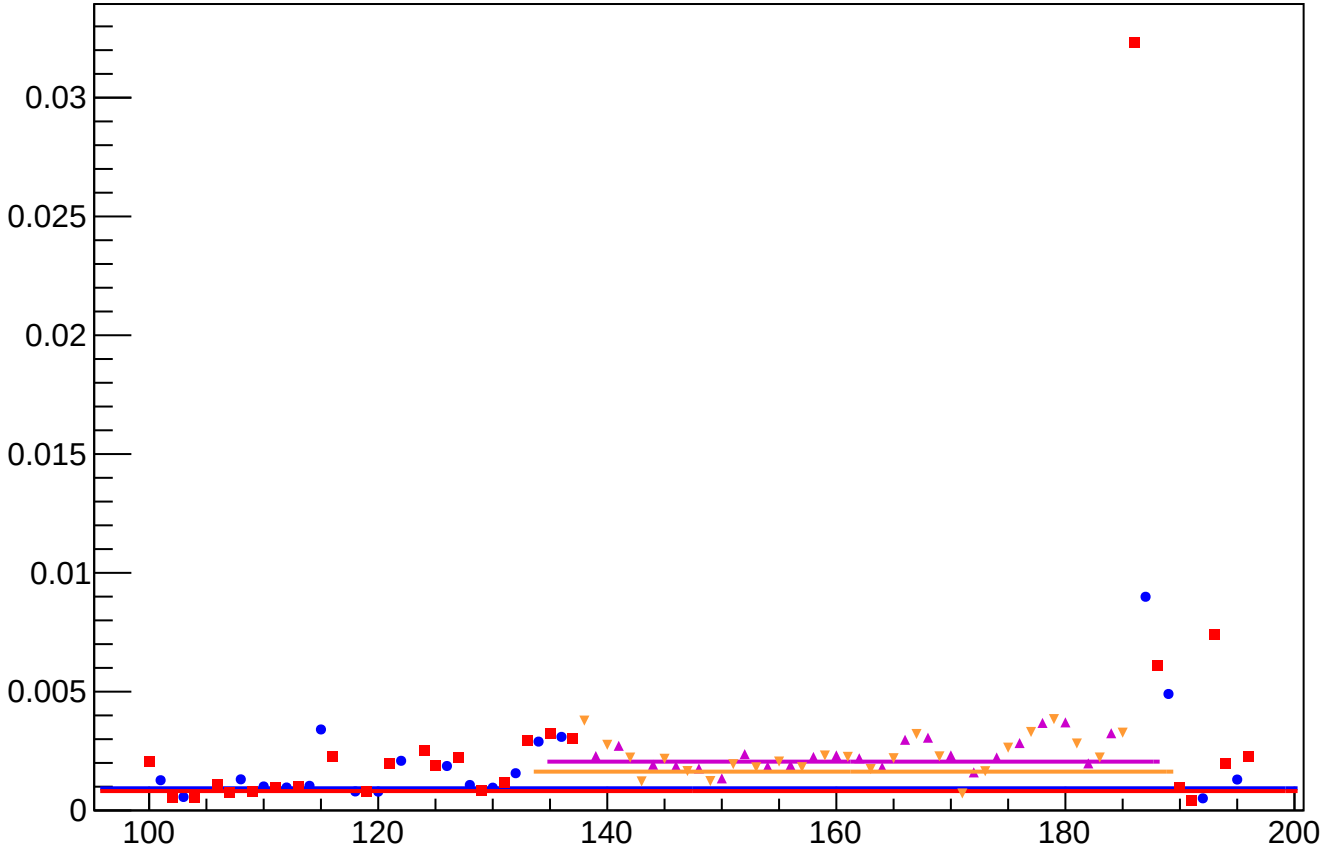
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/44

All: 0.000+/-0.000 χ^2/NDF: 122.2/93

- sign 0.000+/-0.000 χ^2/NDF: 51.0/48

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4083861.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

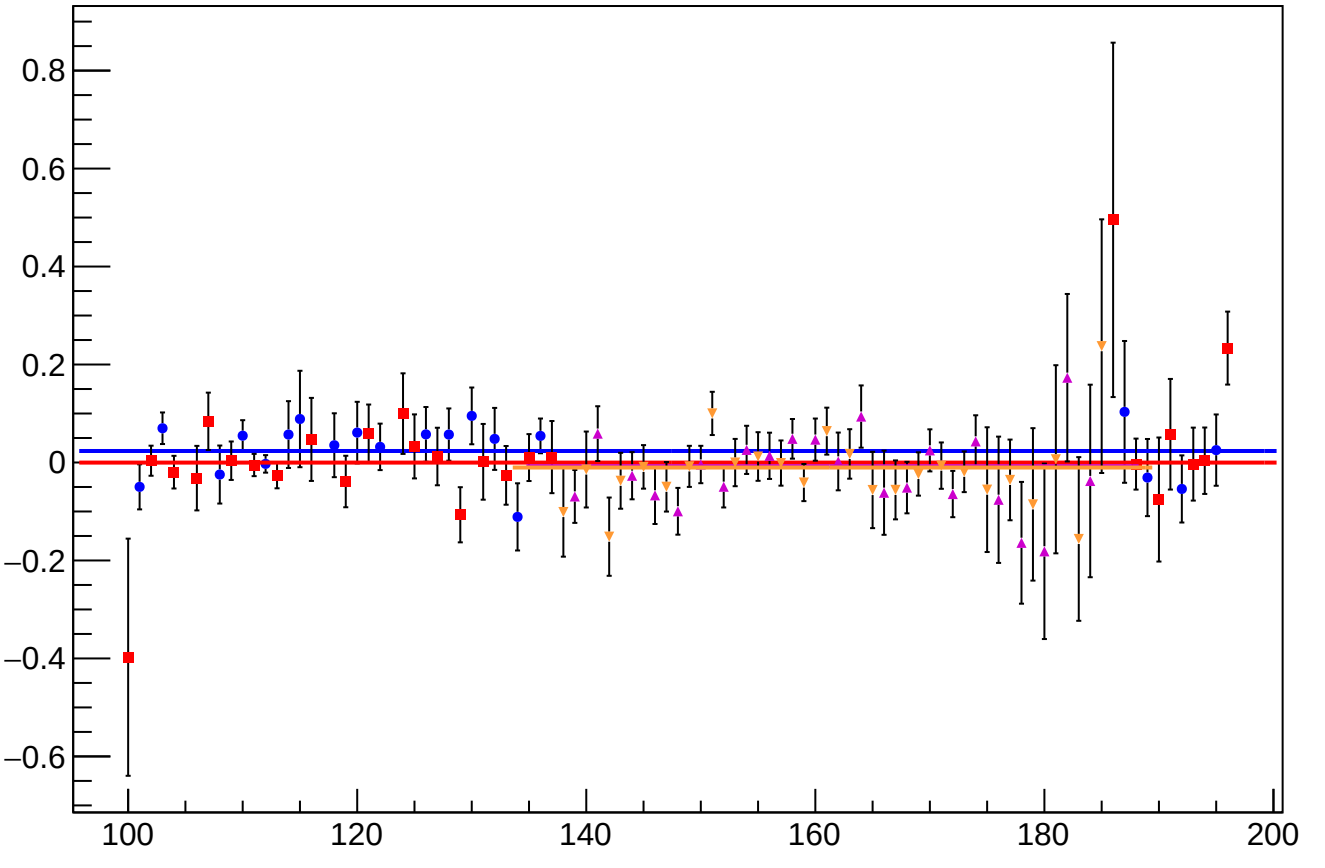
Right Out: 0.001+/-0.000 χ^2/NDF: 8210122.0/25

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13837448.7/44

All: 0.001+/-0.000 χ^2/NDF: 33152769.6/93

- sign 0.001+/-0.000 χ^2/NDF: 19207918.7/48



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

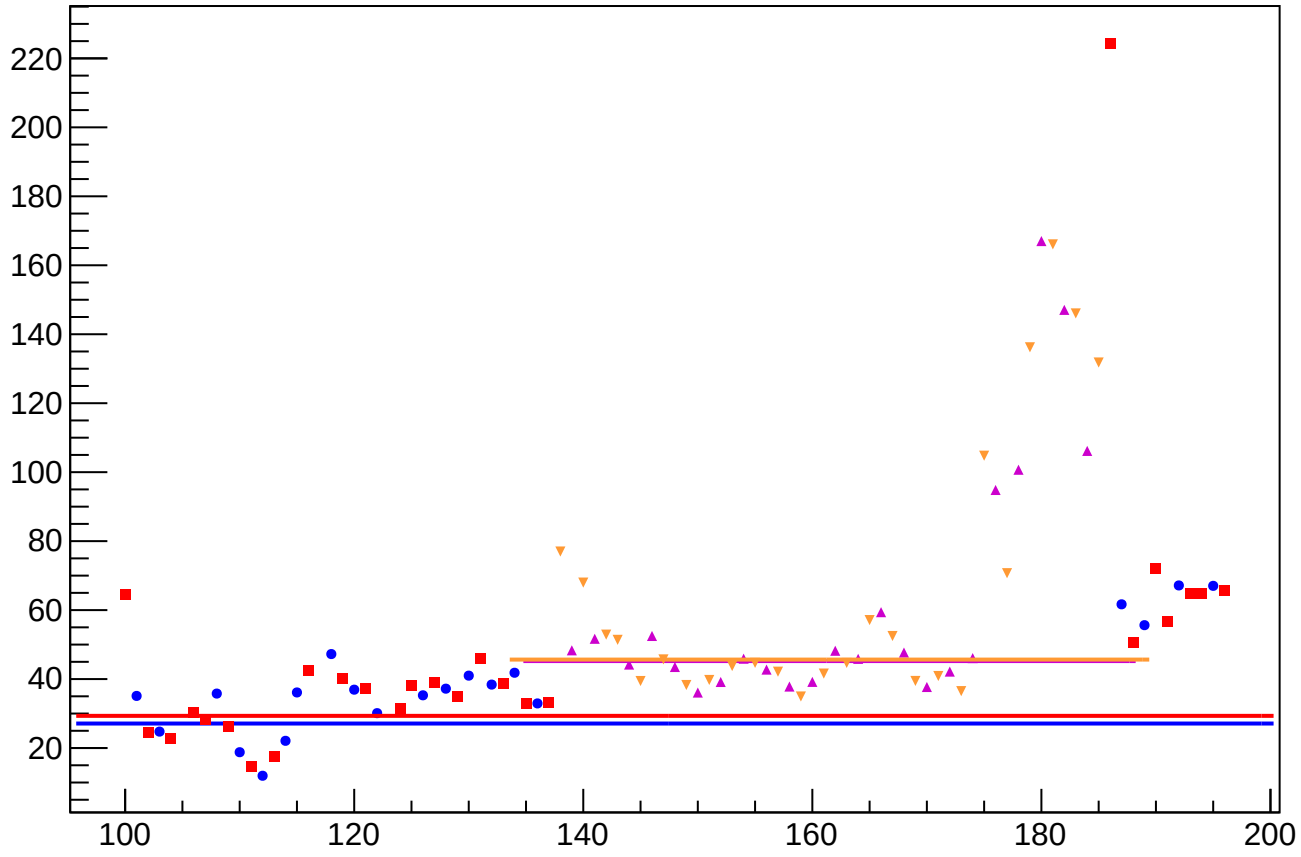
Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.003+/-0.005 χ^2/NDF: 92.7/93

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

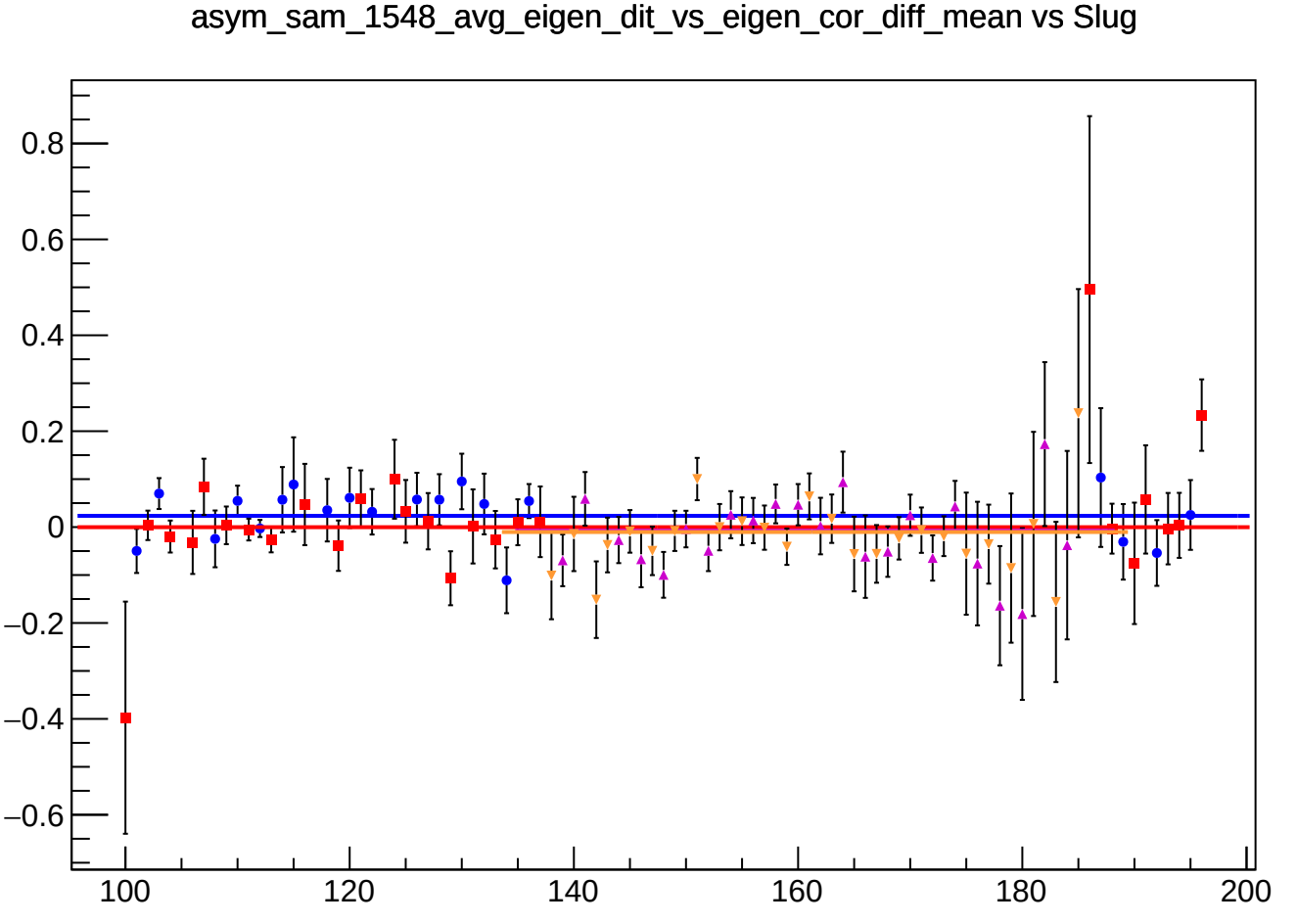
Right Out: 29.333+/-0.007 χ^2/NDF: 4613283.0/25

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098694.7/44

All: 35.686+/-0.004 χ^2/NDF: 20946125.9/93

- sign 36.064+/-0.005 χ^2/NDF: 9836969.7/48



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

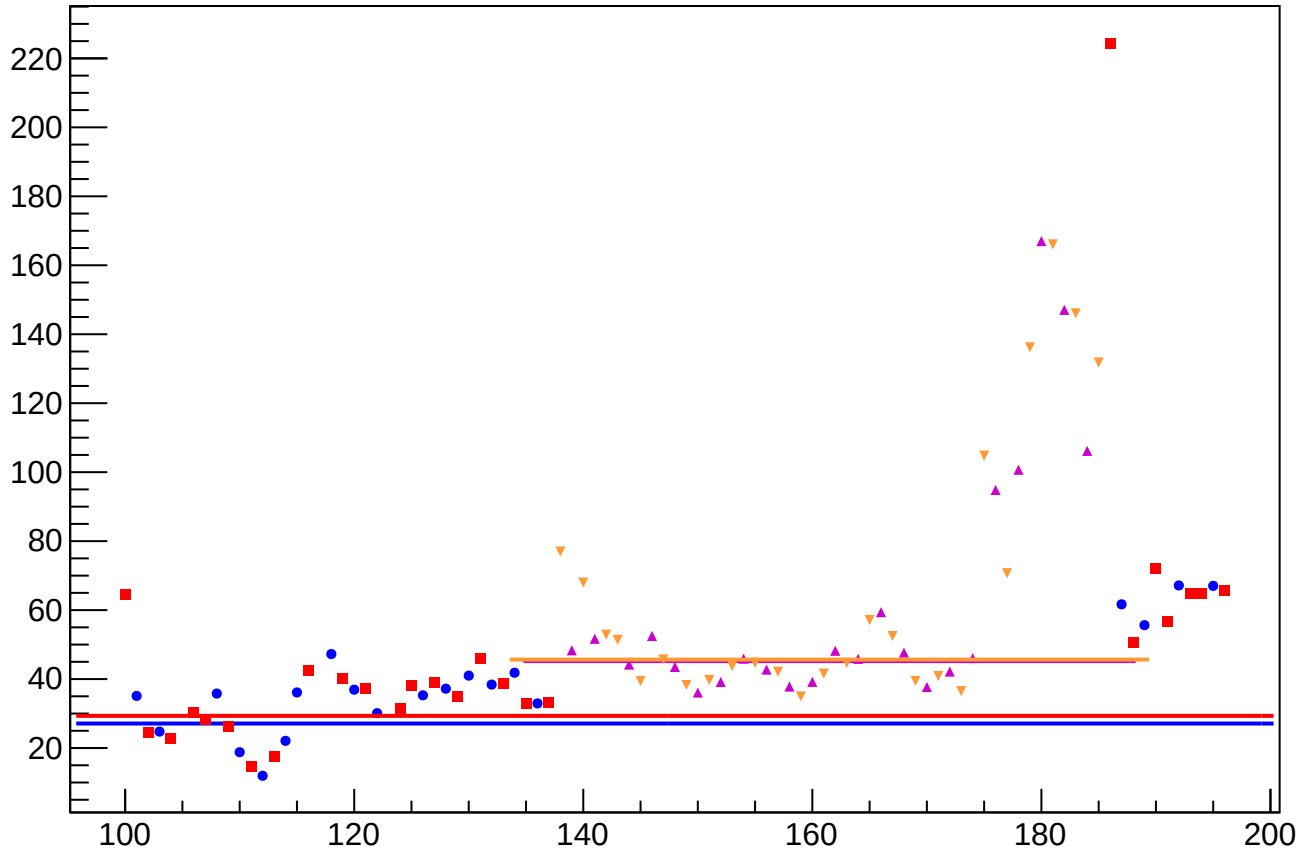
Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.003+/-0.005 χ^2/NDF: 92.7/93

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

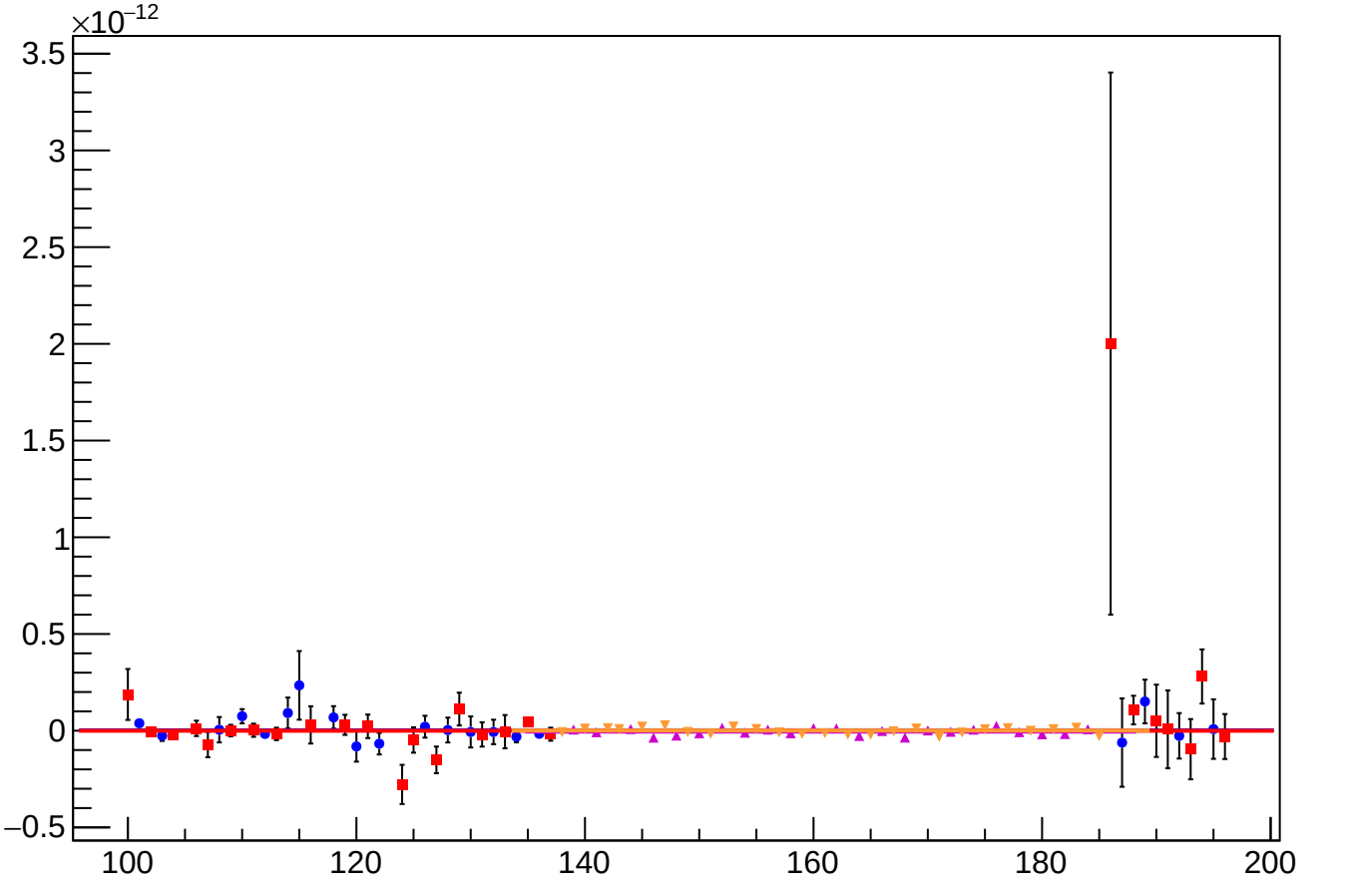
Right Out: 29.333+/-0.007 χ^2/NDF: 4613283.0/25

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098694.7/44

All: 35.686+/-0.004 χ^2/NDF: 20946125.9/93

- sign 36.064+/-0.005 χ^2/NDF: 9836969.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

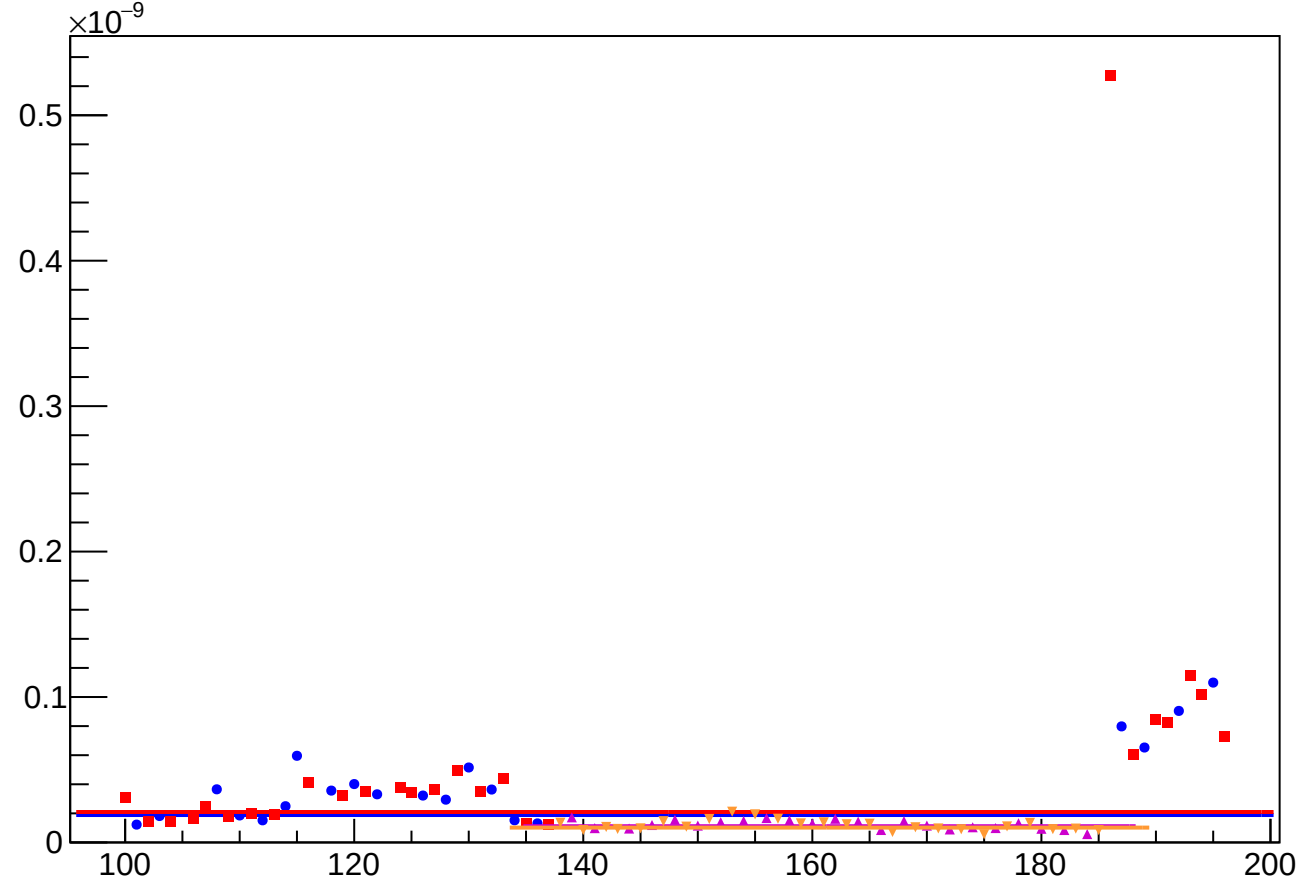
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/25

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/44

All: -0.000+/-0.000 χ^2/NDF: 103.8/93

- sign -0.000+/-0.000 χ^2/NDF: 56.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3819803.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4755769.3/25

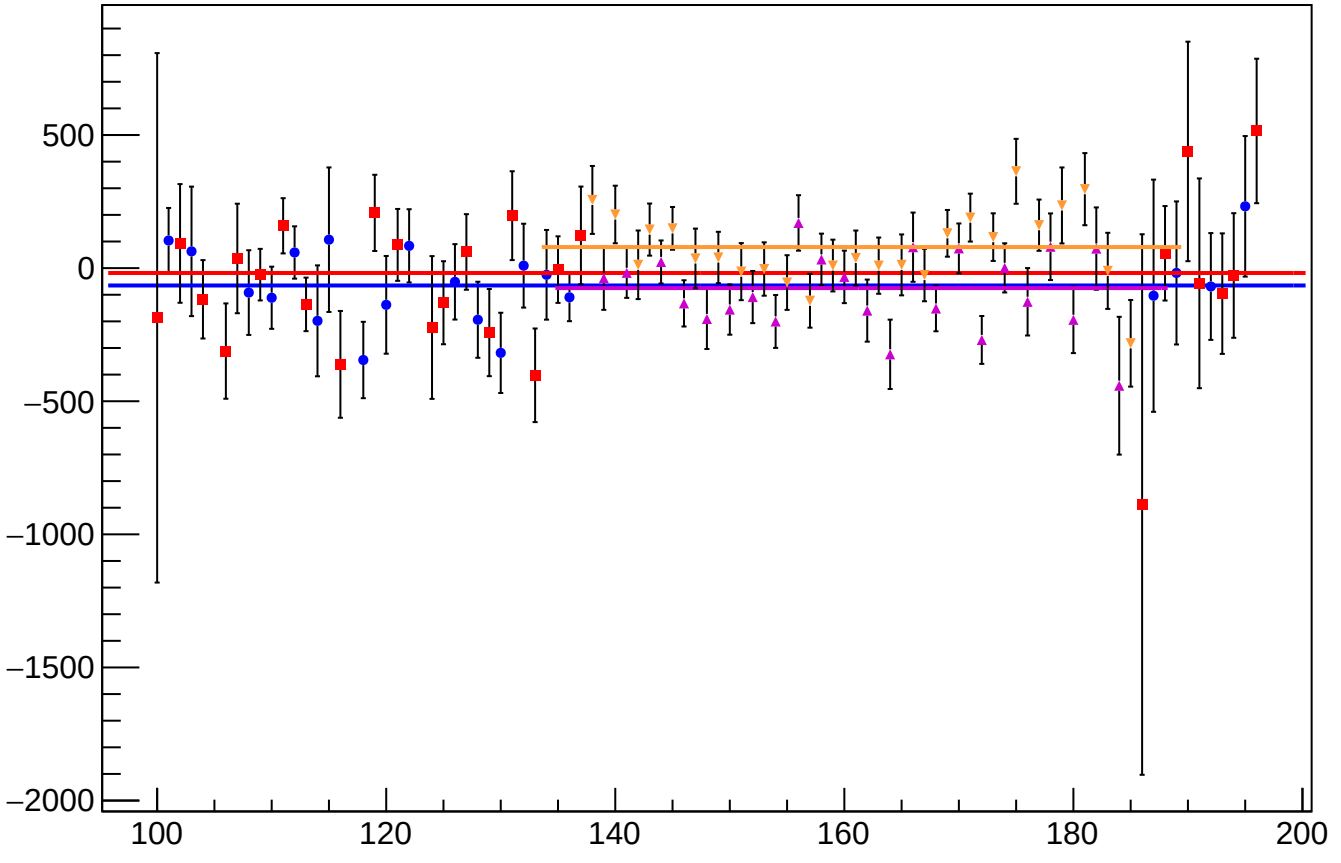
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7890604.4/44

All: 0.000+/-0.000 χ^2/NDF: 16447394.8/93

- sign 0.000+/-0.000 χ^2/NDF: 8395546.0/48

reg_asym_sam_3748_avg_mean vs Slug



Right In: -65.189+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.266+/-32.458 χ^2/NDF: 30.3/25

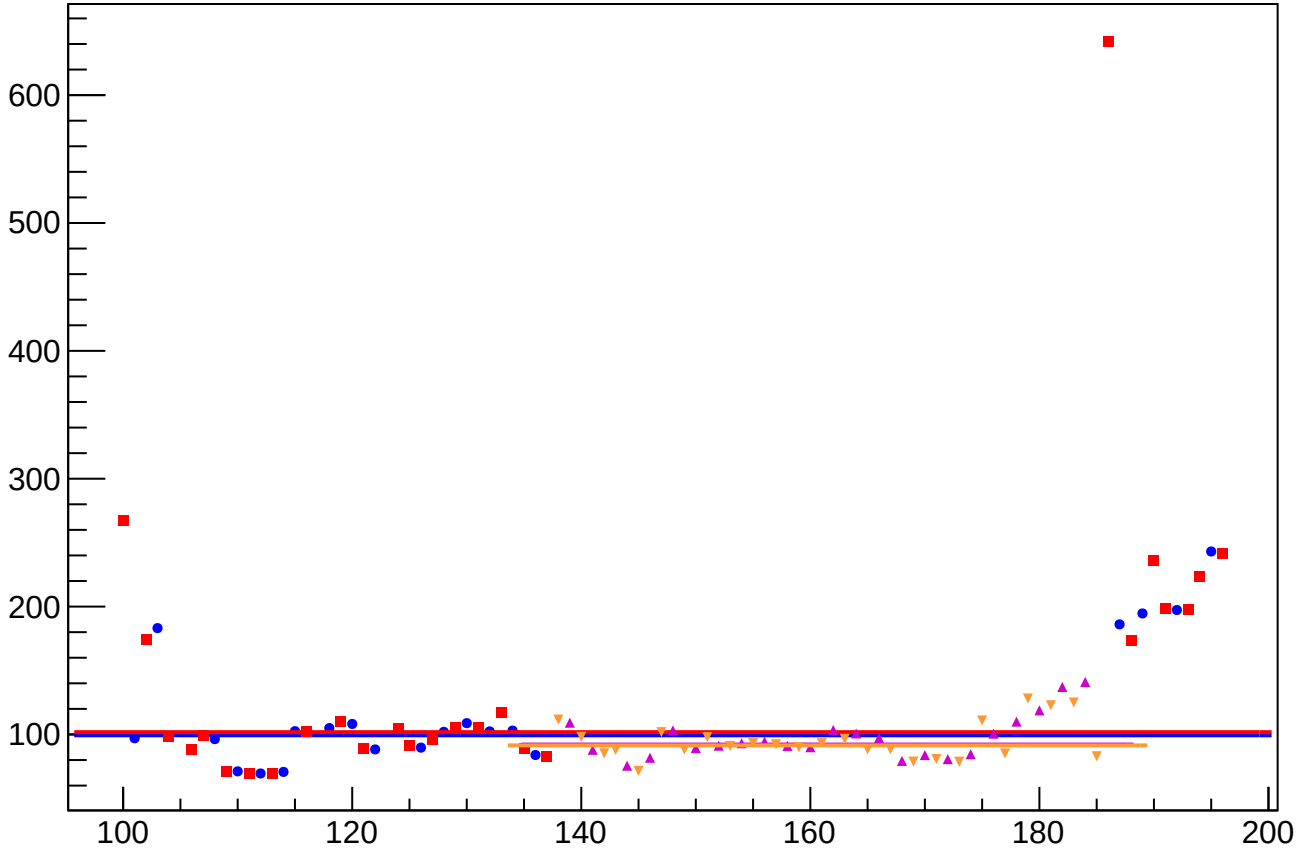
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 38.842+/-17.918 χ^2/NDF: 60.4/44

All: -8.723+/-12.740 χ^2/NDF: 139.7/93

- sign -57.355+/-18.118 χ^2/NDF: 65.0/48

reg_asym_sam_3748_avg_rms vs Slug



Right In: 99.348+/-0.024 χ^2/NDF: 2078884.3/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

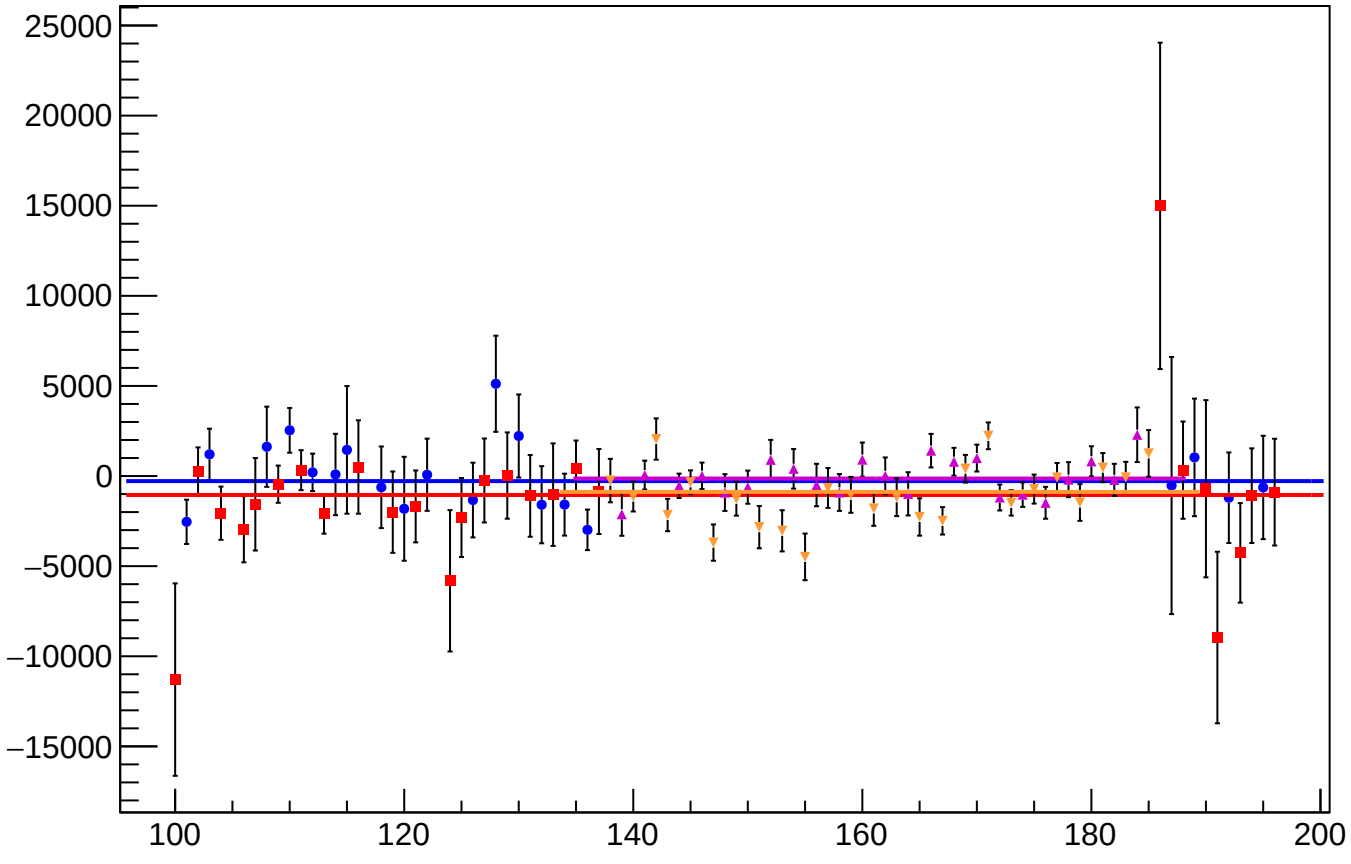
Right Out: 101.805+/-0.023 χ^2/NDF: 3641058.6/25

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908034.4/44

All: 94.385+/-0.009 χ^2/NDF: 7378346.3/93

- sign 95.124+/-0.013 χ^2/NDF: 4463725.5/48



Right In: -280.811+/-405.755 χ^2/NDF: 23.8/19

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1050.319+/-382.096 χ^2/NDF: 20.2/25

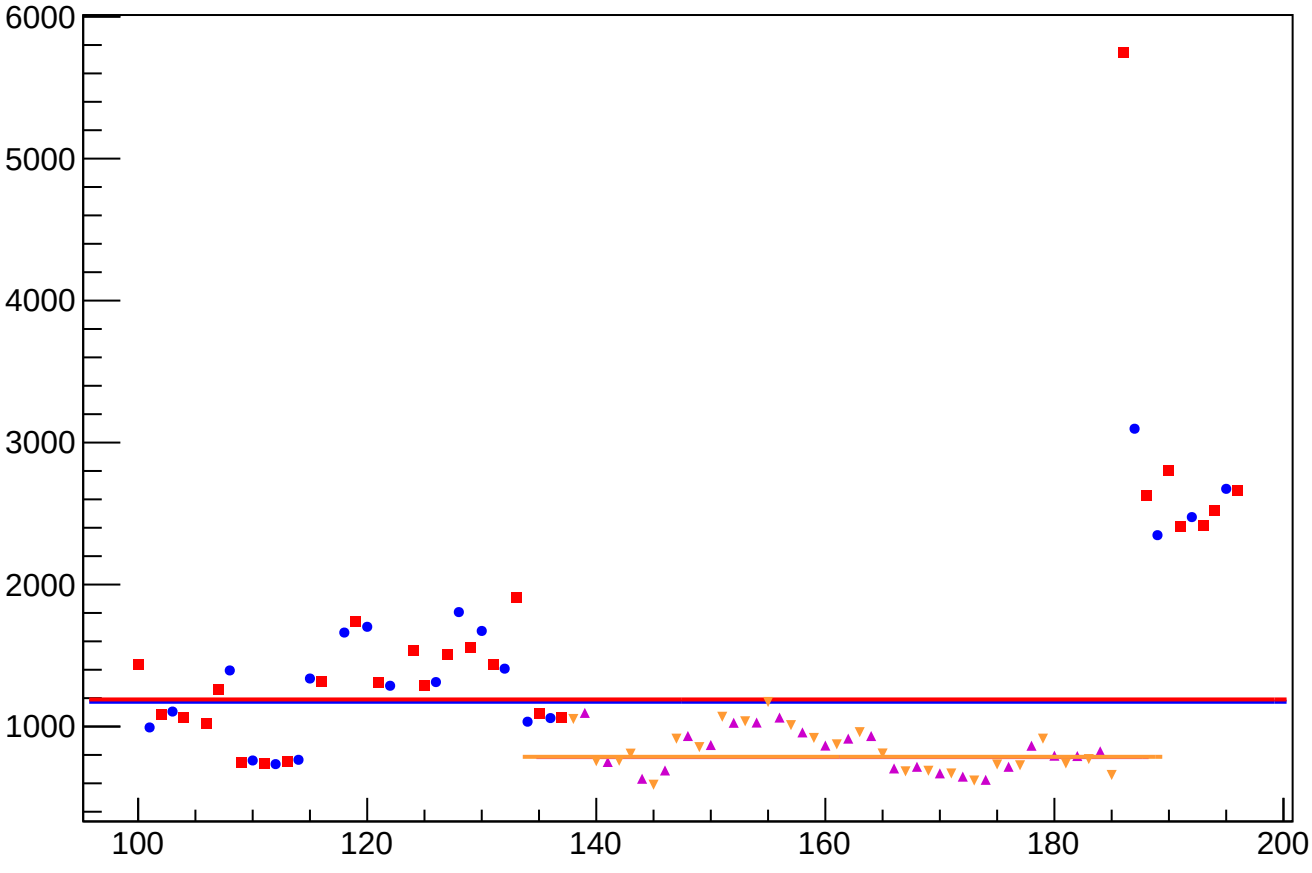
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -778.187+/-166.202 χ^2/NDF: 93.3/44

All: -548.226+/-118.033 χ^2/NDF: 146.1/93

- sign -314.230+/-167.654 χ^2/NDF: 49.0/48

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1174.480+/-0.287 χ^2/NDF: 2641761.0/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1190.821+/-0.270 χ^2/NDF: 4276607.1/25

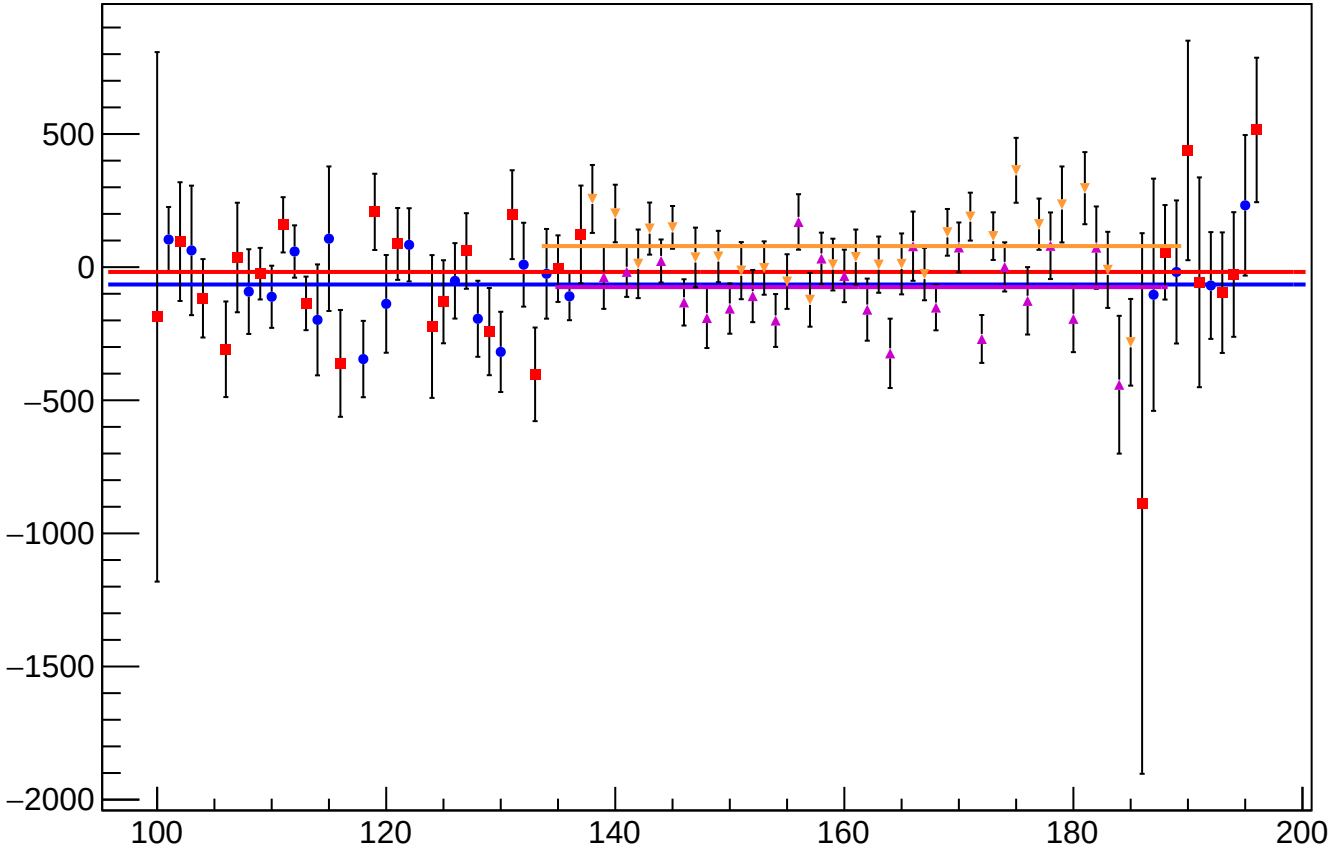
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 851.811+/-0.118 χ^2/NDF: 5372425.5/44

All: 857.355+/-0.083 χ^2/NDF: 12540497.0/93

- sign 862.995+/-0.119 χ^2/NDF: 7163582.7/48

cor_asym_sam_3748_avg_mean vs Slug



Right In: -65.199+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.036+/-32.461 χ^2/NDF: 30.2/25

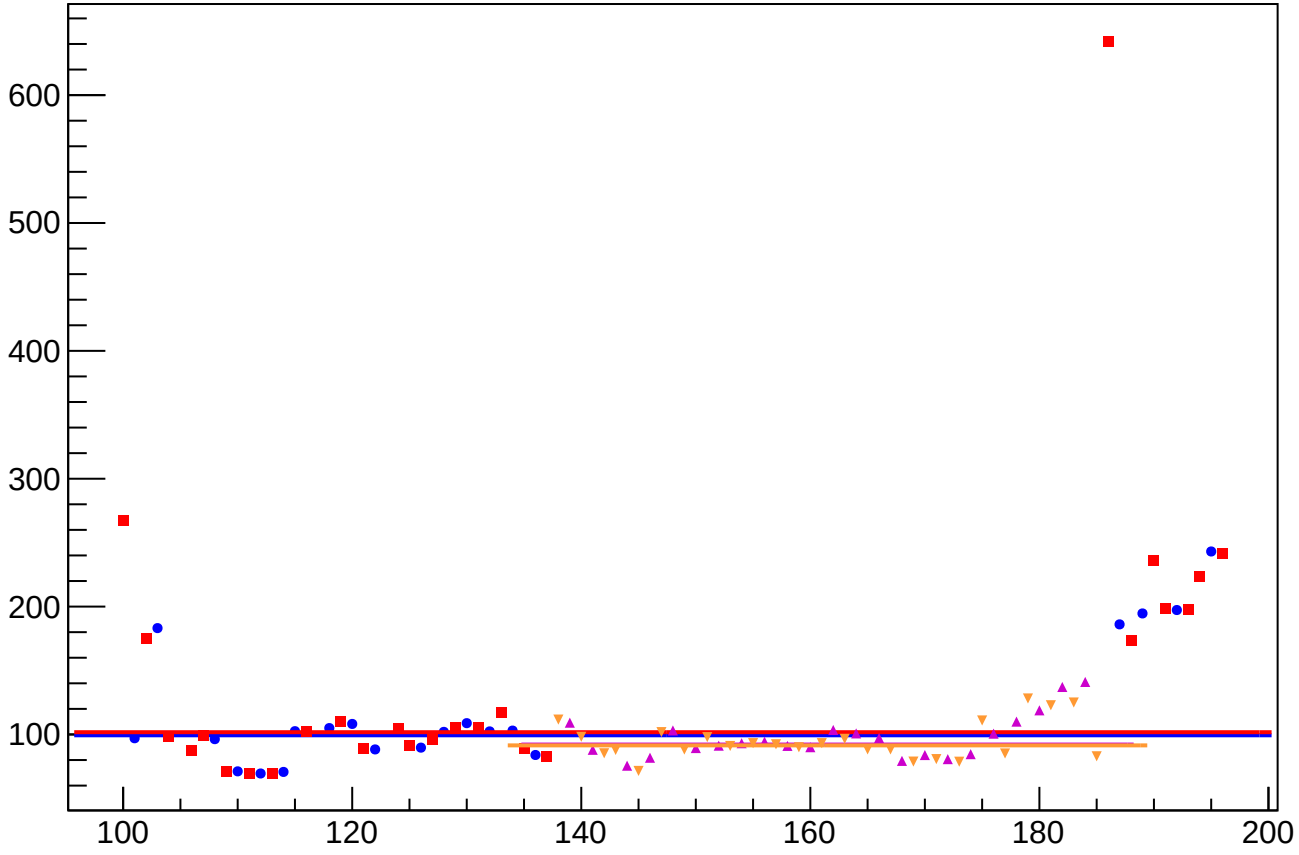
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.846+/-17.918 χ^2/NDF: 60.4/44

All: -8.686+/-12.740 χ^2/NDF: 139.6/93

- sign -57.287+/-18.119 χ^2/NDF: 65.0/48

cor_asym_sam_3748_avg_rms vs Slug



Right In: 99.348+/-0.024 χ^2/NDF: 2078887.4/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 101.765+/-0.023 χ^2/NDF: 3643478.9/25

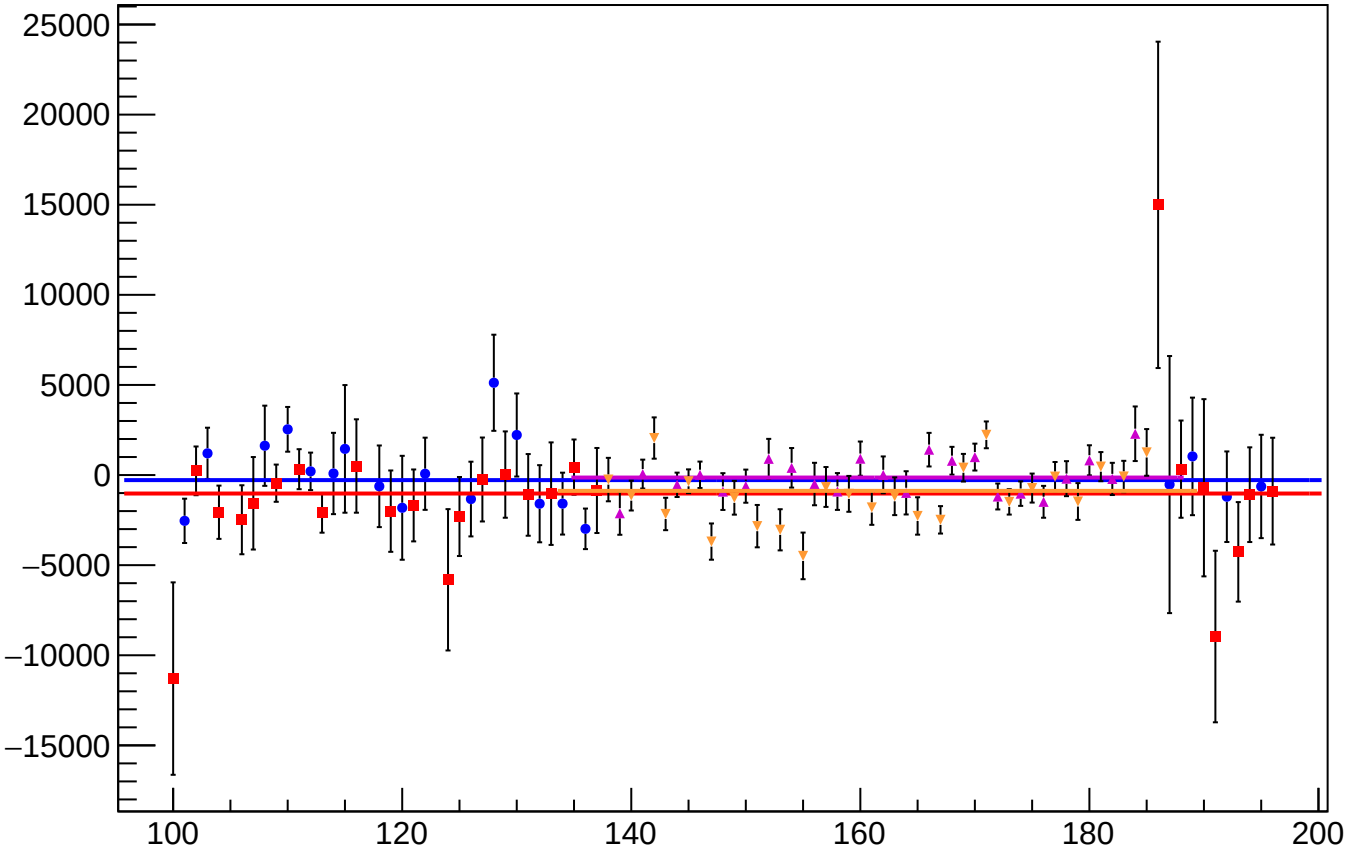
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908037.5/44

All: 94.379+/-0.009 χ^2/NDF: 7379621.9/93

- sign 95.111+/-0.013 χ^2/NDF: 4465114.1/48

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -280.830+/-405.758 χ^2/NDF: 23.8/19

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1025.382+/-382.796 χ^2/NDF: 19.7/25

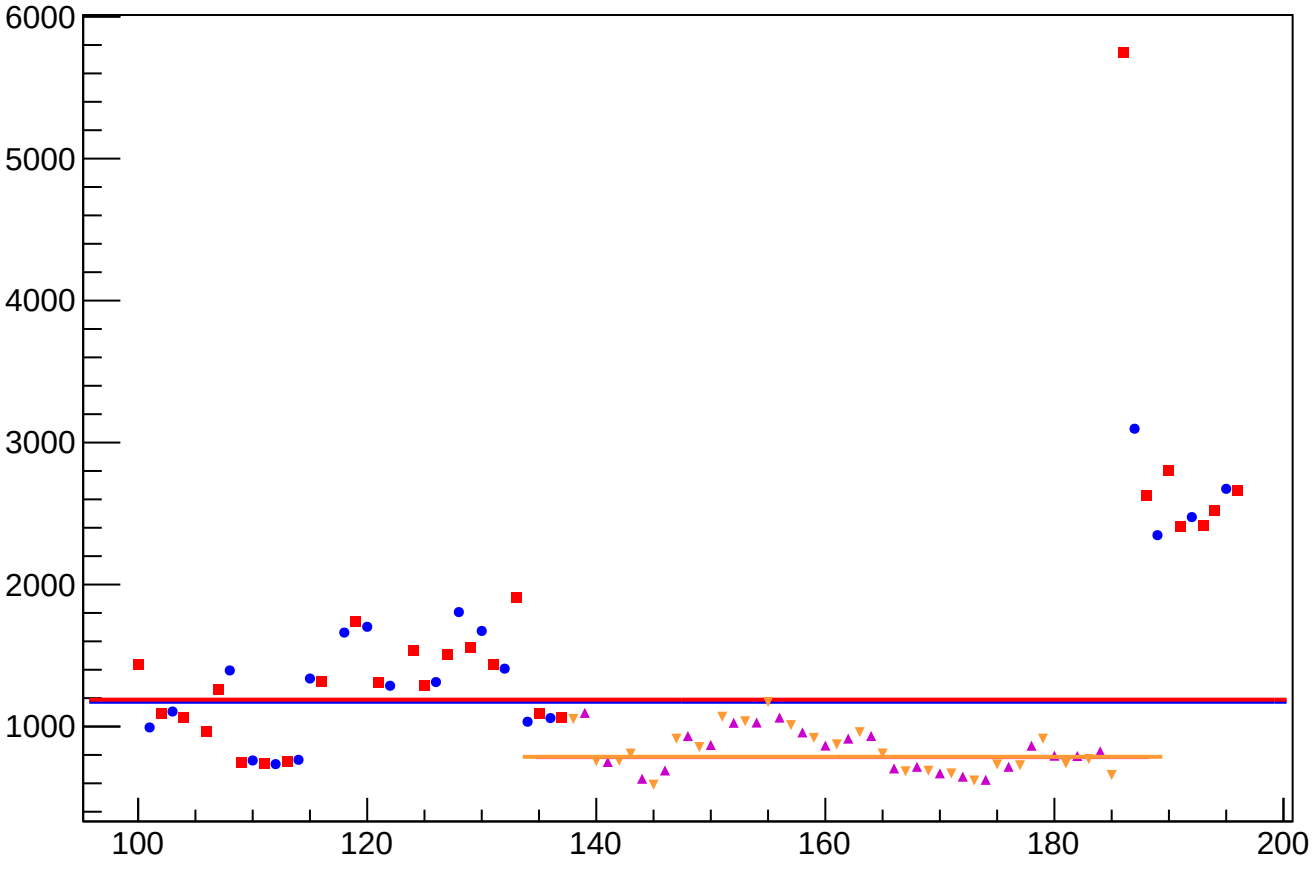
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.184+/-166.203 χ^2/NDF: 93.3/44

All: -545.678+/-118.053 χ^2/NDF: 145.4/93

- sign -308.927+/-167.713 χ^2/NDF: 48.2/48

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1174.489+/-0.287 χ^2/NDF: 2641747.7/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1189.213+/-0.271 χ^2/NDF: 4287165.8/25

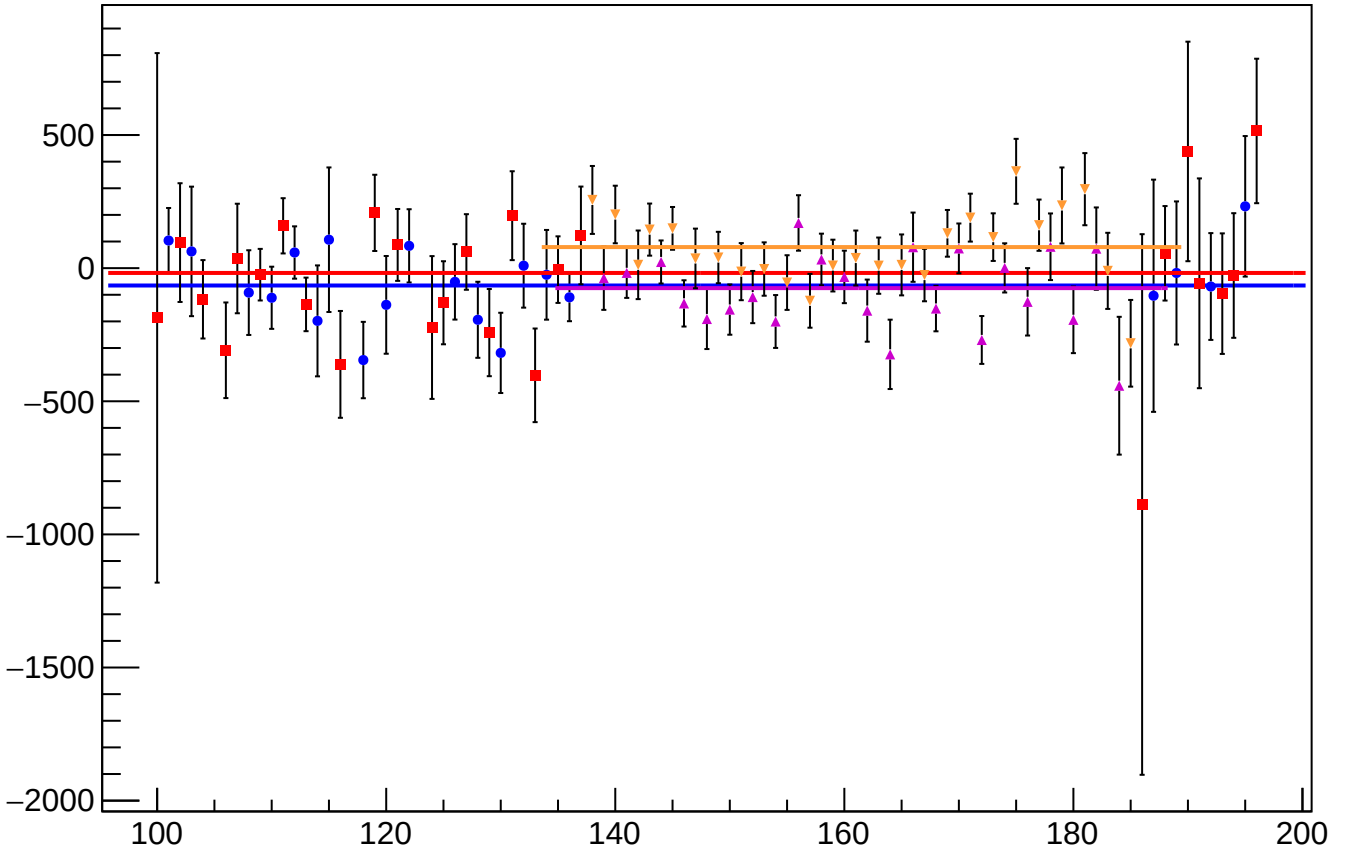
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 851.812+/-0.118 χ^2/NDF: 5372468.4/44

All: 857.086+/-0.083 χ^2/NDF: 12530913.0/93

- sign 862.456+/-0.119 χ^2/NDF: 7154380.2/48

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -65.199+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.036+/-32.461 χ^2/NDF: 30.2/25

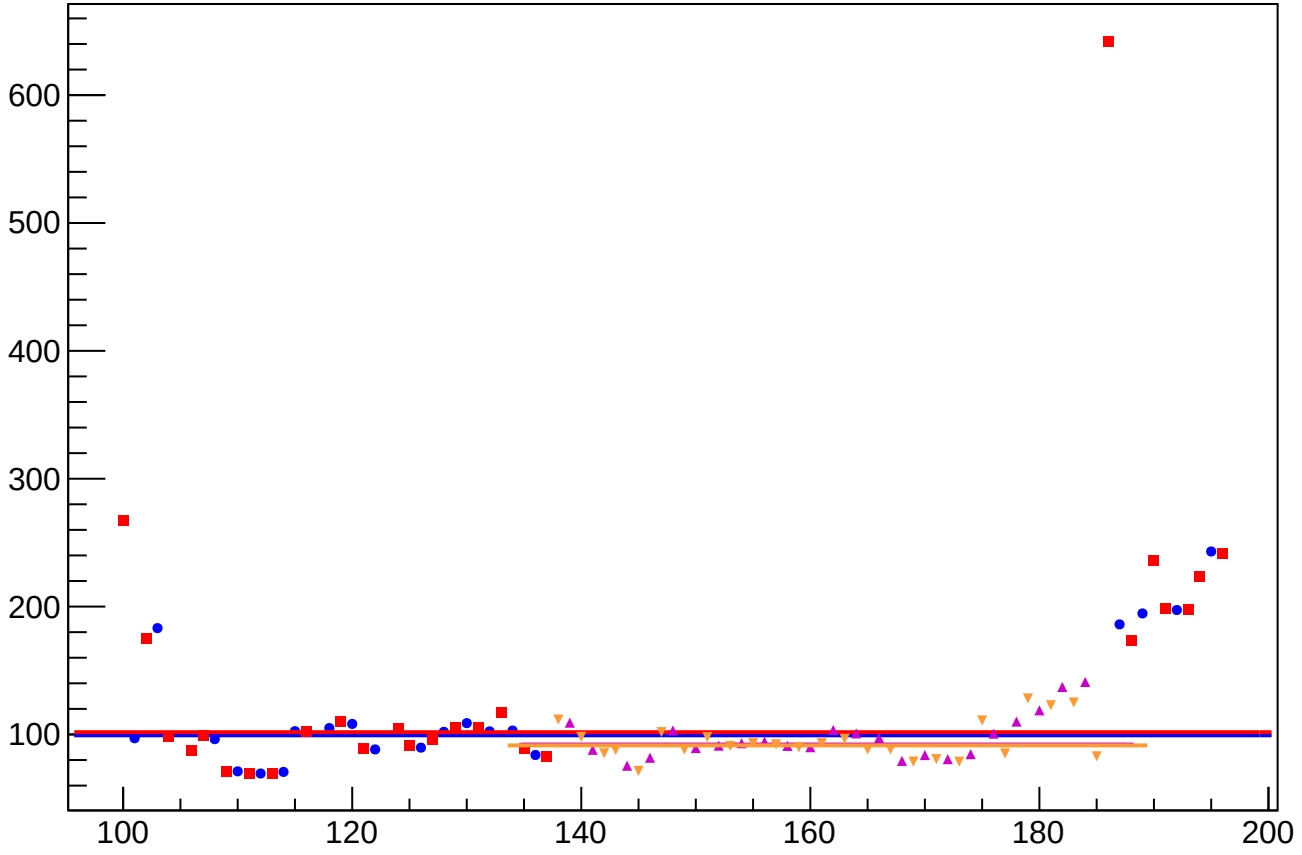
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.846+/-17.918 χ^2/NDF: 60.4/44

All: -8.686+/-12.740 χ^2/NDF: 139.6/93

- sign -57.287+/-18.119 χ^2/NDF: 65.0/48

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 99.348+/-0.024 χ^2/NDF: 2078887.4/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

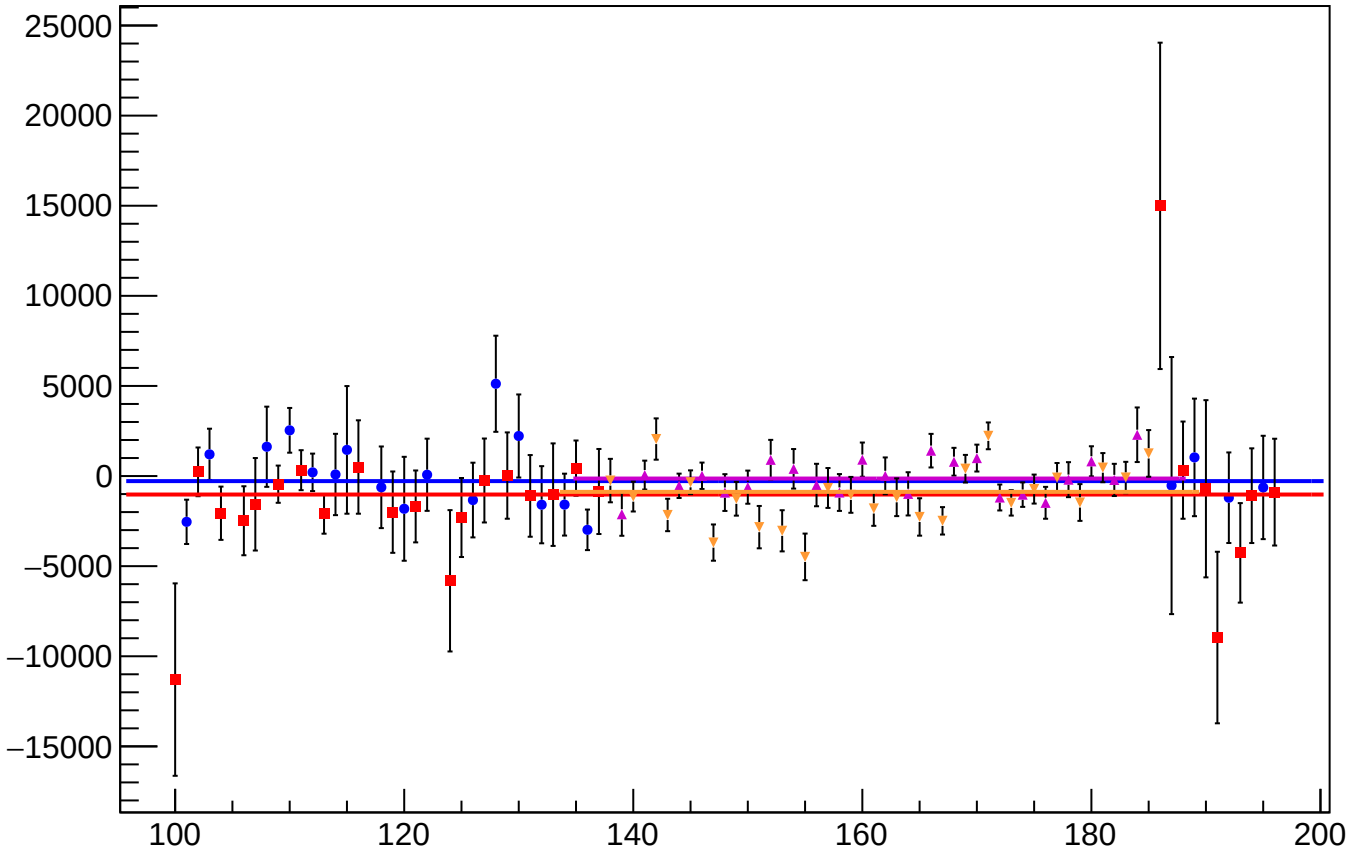
Right Out: 101.765+/-0.023 χ^2/NDF: 3643478.9/25

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908037.5/44

All: 94.379+/-0.009 χ^2/NDF: 7379621.9/93

- sign 95.111+/-0.013 χ^2/NDF: 4465114.1/48



Right In: -280.830+/-405.758 χ^2/NDF: 23.8/19

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

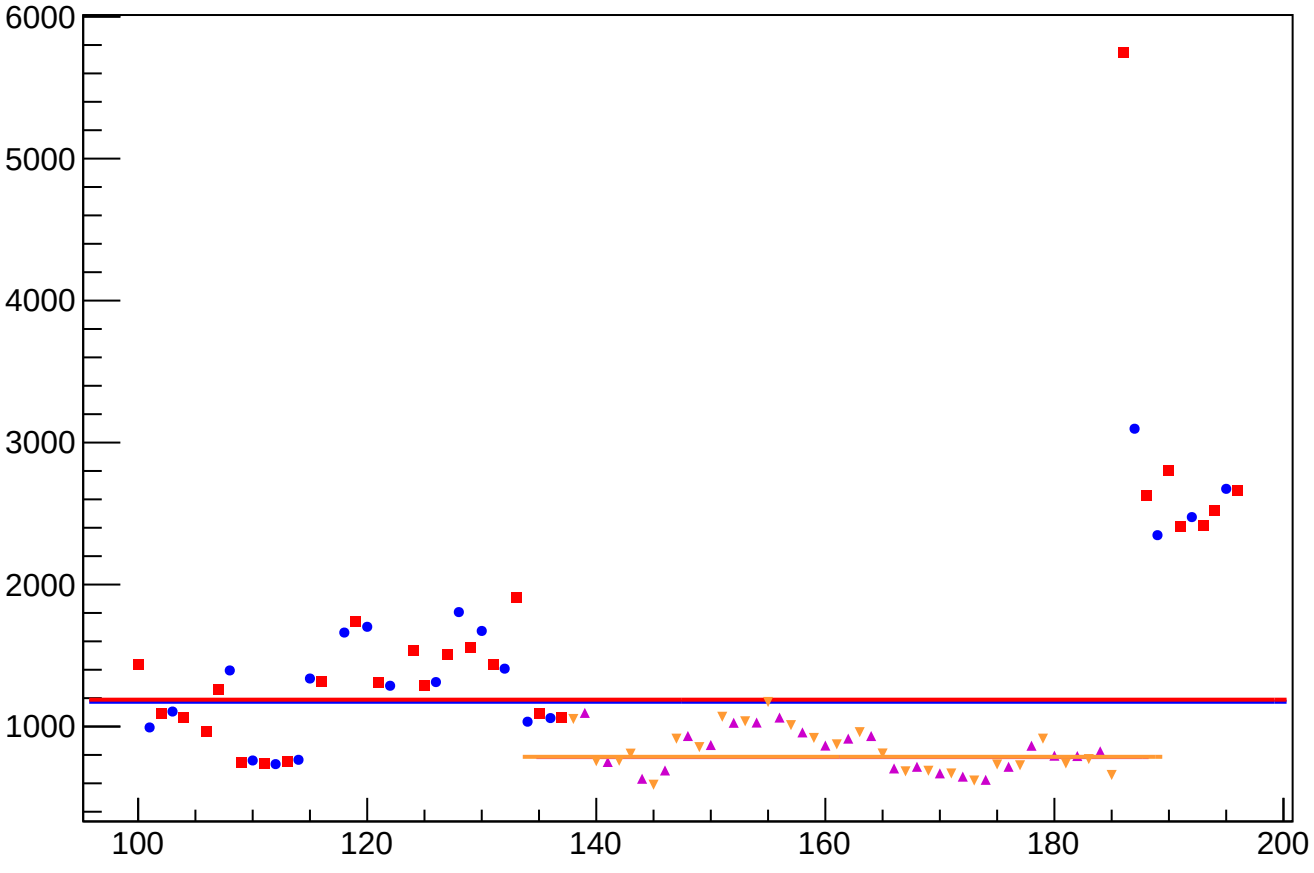
Right Out: -1025.382+/-382.796 χ^2/NDF: 19.7/25

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

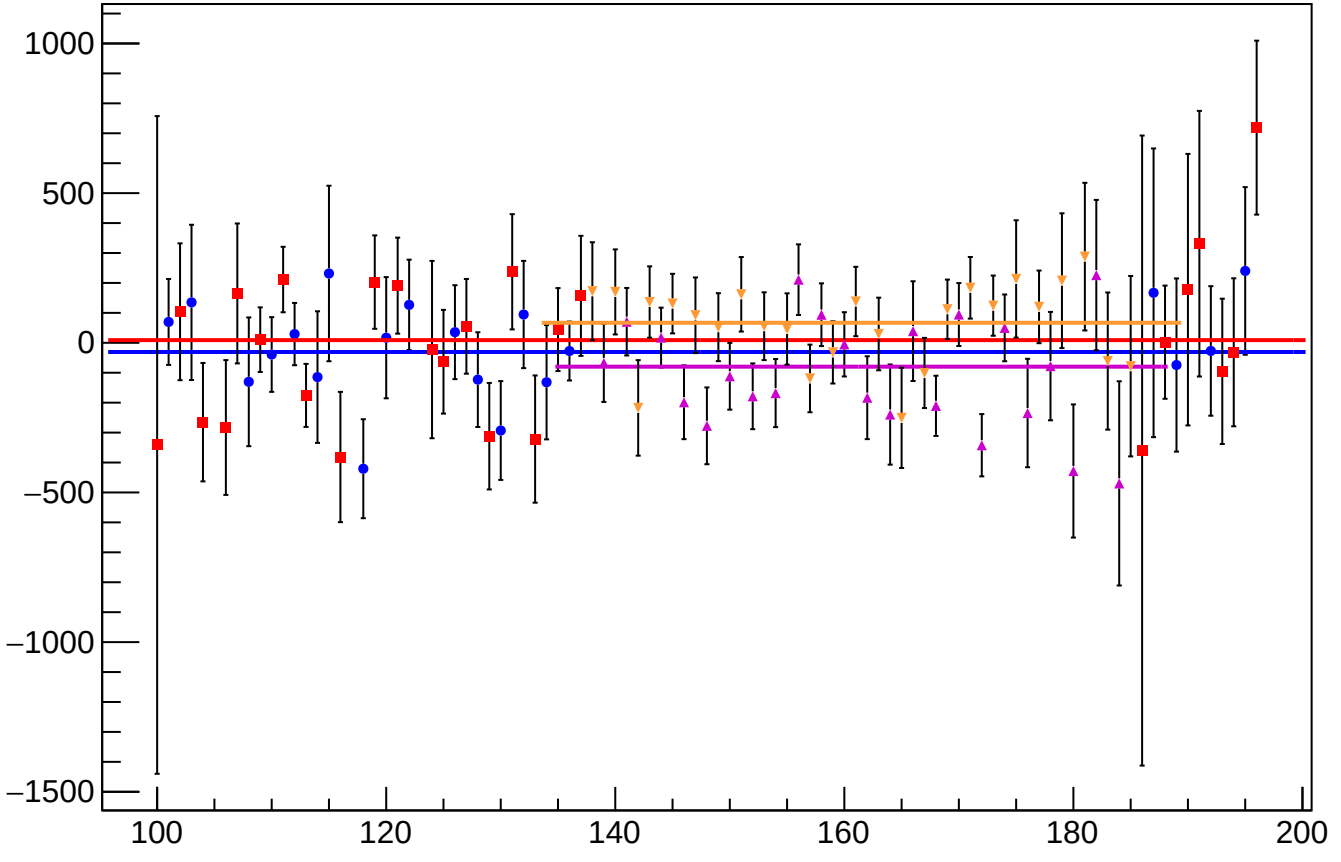
+ sign -778.184+/-166.203 χ^2/NDF: 93.3/44

All: -545.678+/-118.053 χ^2/NDF: 145.4/93

- sign -308.927+/-167.713 χ^2/NDF: 48.2/48


asym_sam_3748_avg_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1174.489+/-0.287 χ²/NDF: 2641747.7/19
Left Out: 786.758+/-0.129 χ²/NDF:1210893.0/24
Right Out: 1189.213+/-0.271 χ²/NDF: 4287165.8/25
Left In: 784.833+/-0.132 χ²/NDF:1063746.9/22
+ sign 851.812+/-0.118 χ²/NDF: 5372468.4/44
All: 857.086+/-0.083 χ²/NDF: 12530913.0/93
- sign 862.456+/-0.119 χ²/NDF: 7154380.2/48

dit_asym_sam_3748_avg_mean vs Slug



Right In: -30.721+/-37.579 χ^2/NDF: 14.0/19

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.938+/-36.024 χ^2/NDF: 31.8/25

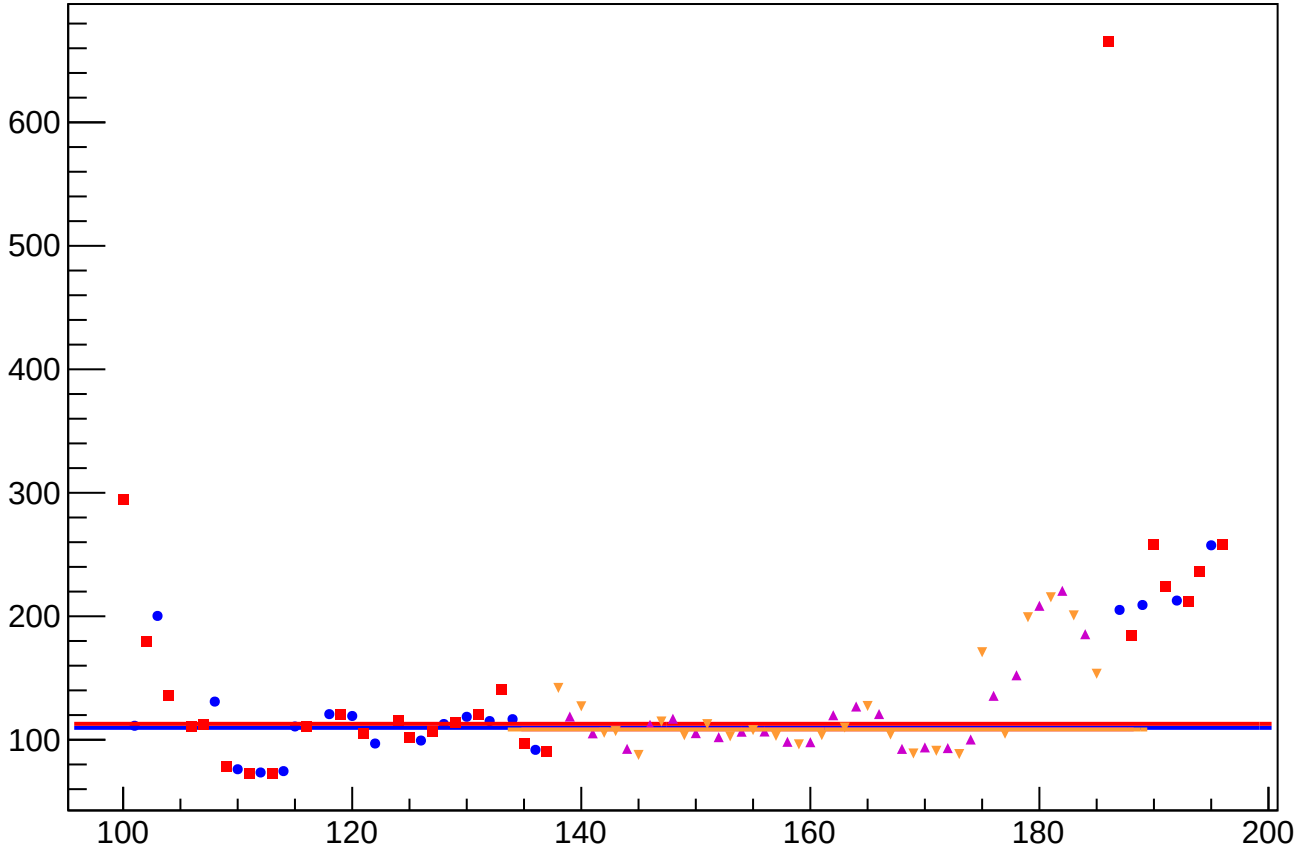
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.980+/-21.148 χ^2/NDF: 38.2/44

All: -6.288+/-14.987 χ^2/NDF: 119.0/93

- sign -48.927+/-21.241 χ^2/NDF: 72.7/48

dit_asym_sam_3748_avg_rms vs Slug



Right In: 109.675+/-0.027 χ^2/NDF: 2140278.8/19

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 112.915+/-0.025 χ^2/NDF: 3620152.3/25

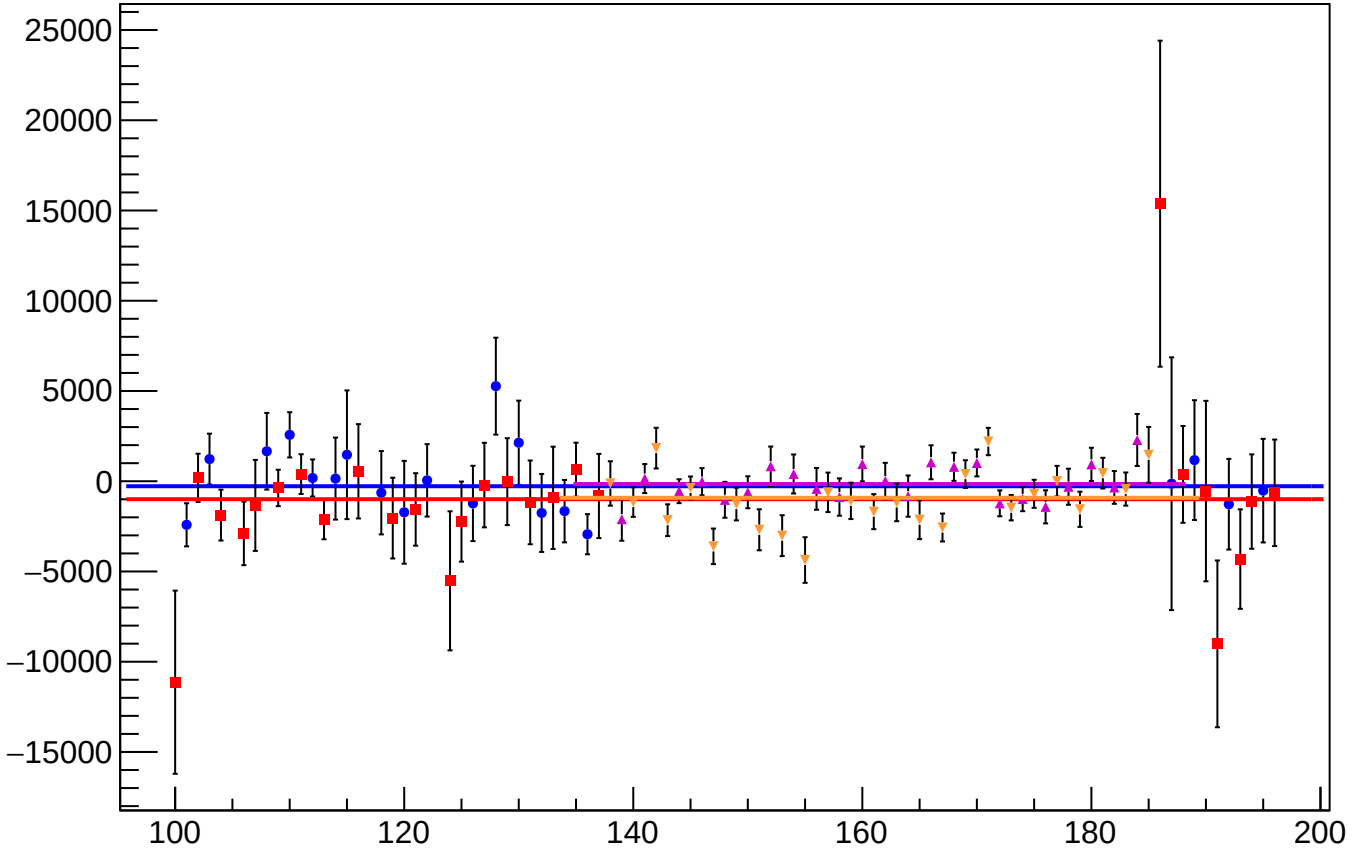
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 108.756+/-0.015 χ^2/NDF: 3916628.7/44

All: 109.390+/-0.011 χ^2/NDF: 8939459.1/93

- sign 110.030+/-0.015 χ^2/NDF: 5019217.0/48

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -277.180+/-403.560 χ^2/NDF: 23.8/19

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -996.447+/-377.955 χ^2/NDF: 21.2/25

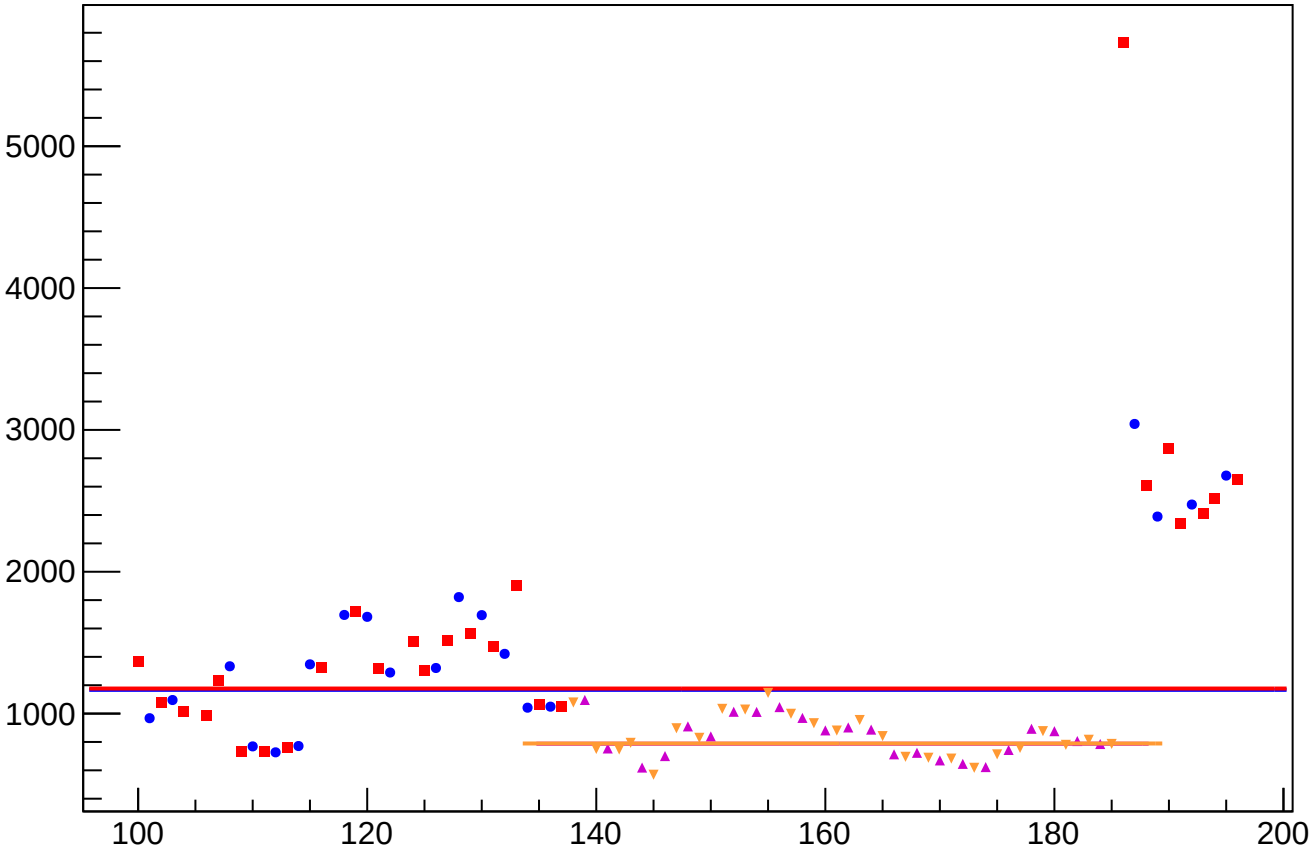
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -809.847+/-166.258 χ^2/NDF: 90.0/44

All: -567.690+/-118.065 χ^2/NDF: 142.5/93

- sign -321.341+/-167.691 χ^2/NDF: 48.2/48

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1167.320+/-0.285 χ^2/NDF: 2687933.2/19

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1176.641+/-0.267 χ^2/NDF: 4347932.0/25

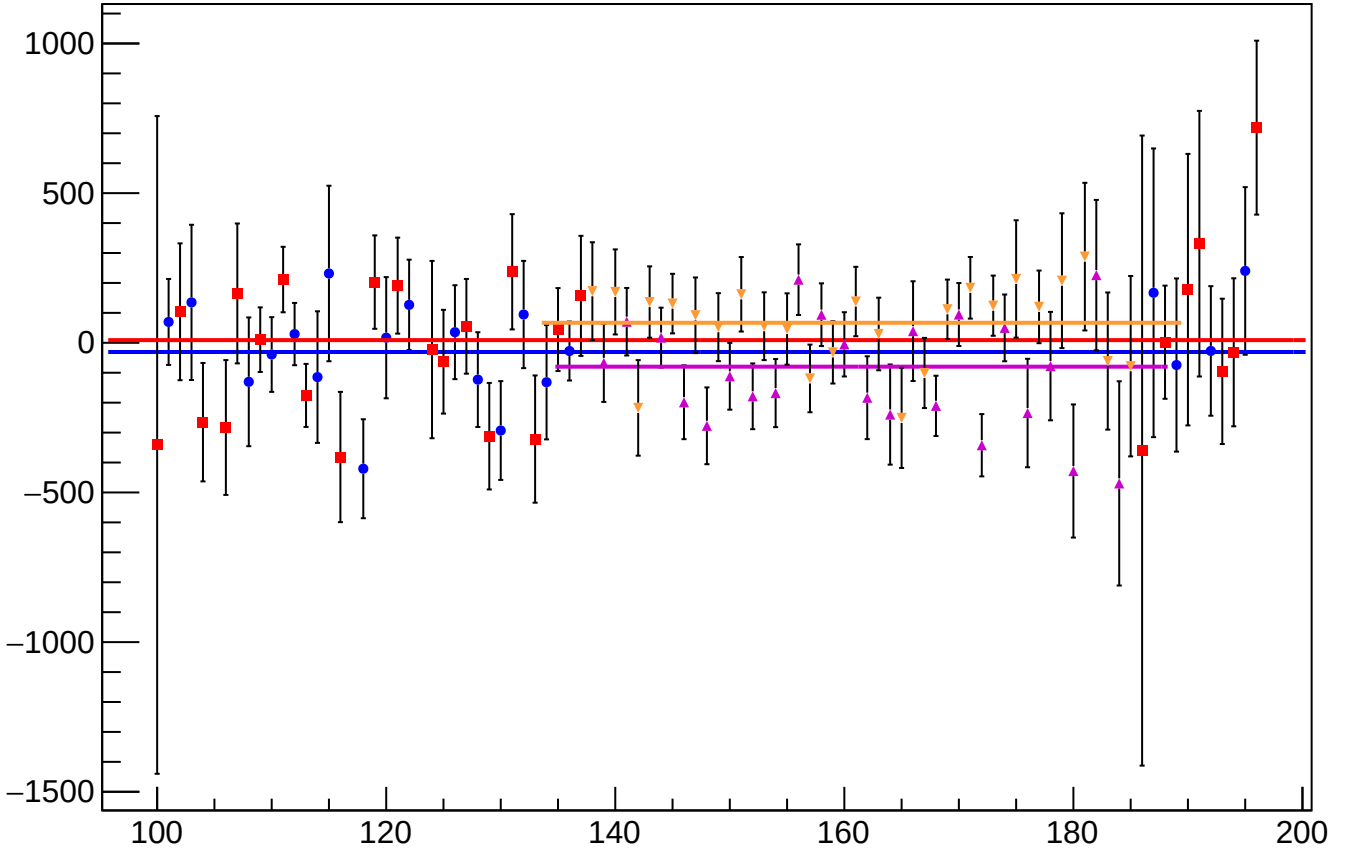
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

\+ sign 853.418+/-0.118 χ^2/NDF: 5322141.3/44

All: 858.671+/-0.083 χ^2/NDF: 12419246.1/93

\- sign 864.014+/-0.119 χ^2/NDF: 7093077.5/48

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -30.720+/-37.579 χ^2/NDF: 14.0/19

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.940+/-36.024 χ^2/NDF: 31.8/25

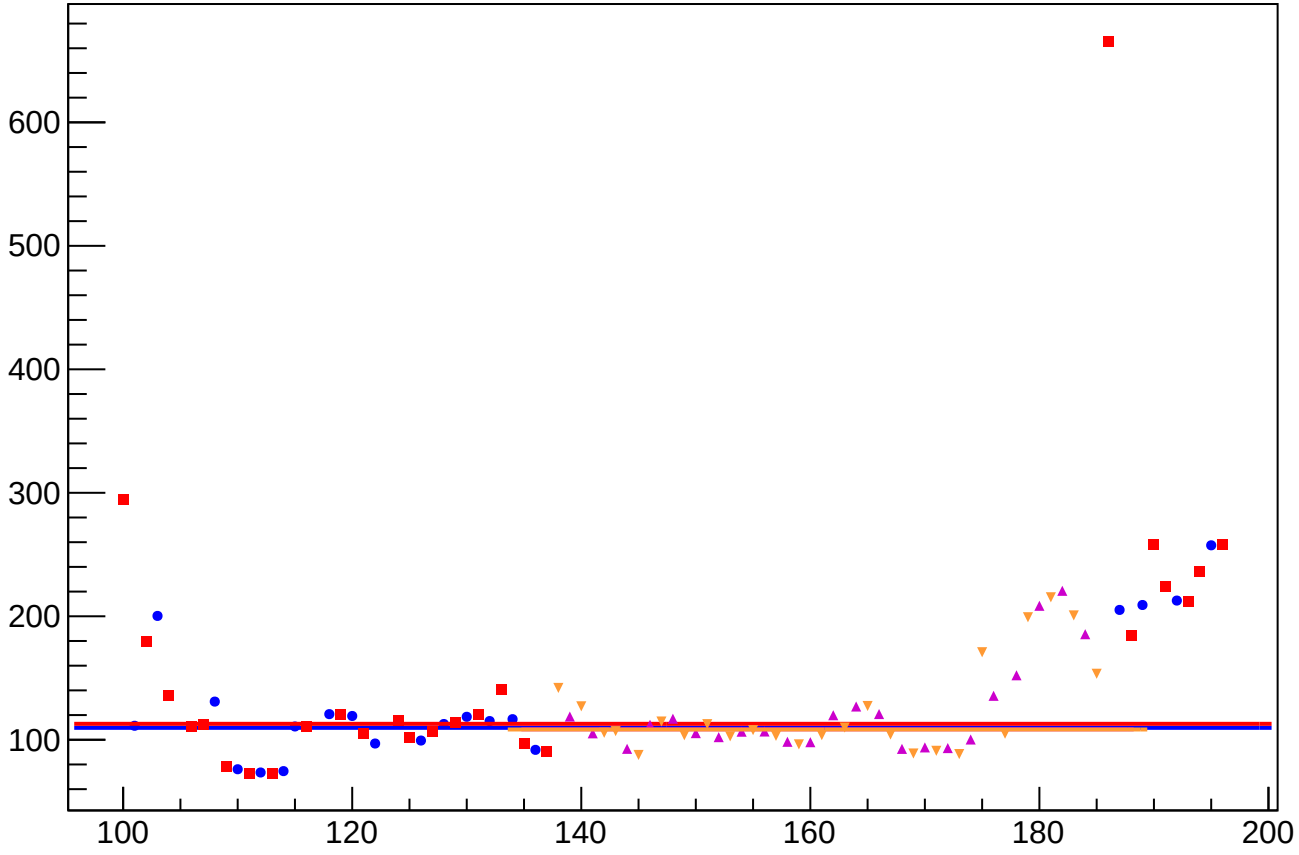
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.982+/-21.148 χ^2/NDF: 38.2/44

All: -6.286+/-14.987 χ^2/NDF: 119.0/93

- sign -48.926+/-21.241 χ^2/NDF: 72.7/48

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 109.675+/-0.027 χ^2/NDF: 2140274.0/19

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

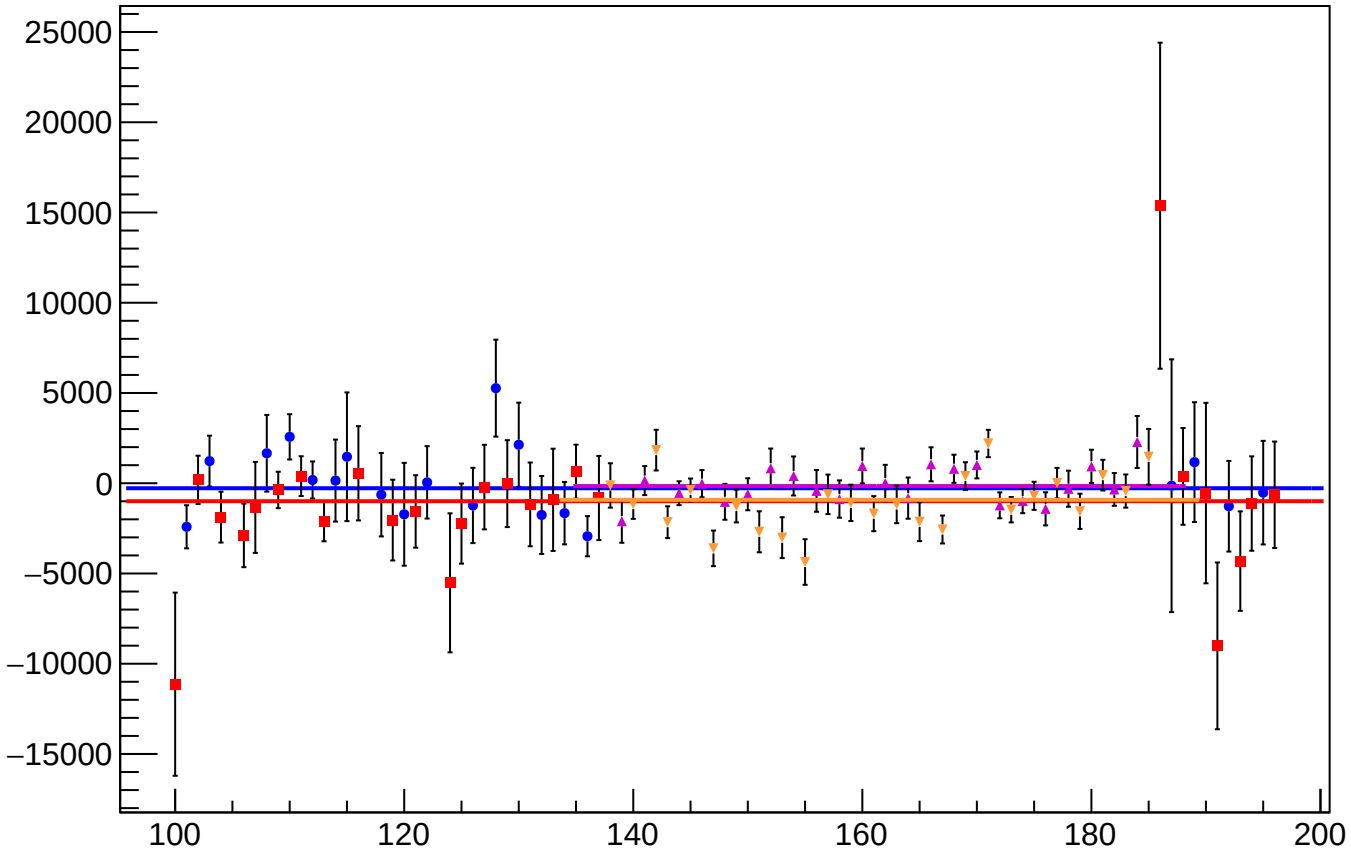
Right Out: 112.916+/-0.025 χ^2/NDF: 3620155.2/25

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 108.756+/-0.015 χ^2/NDF: 3916618.1/44

All: 109.391+/-0.011 χ^2/NDF: 8939431.0/93

- sign 110.030+/-0.015 χ^2/NDF: 5019199.5/48



Right In: -277.179+/-403.560 χ^2/NDF: 23.8/19

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

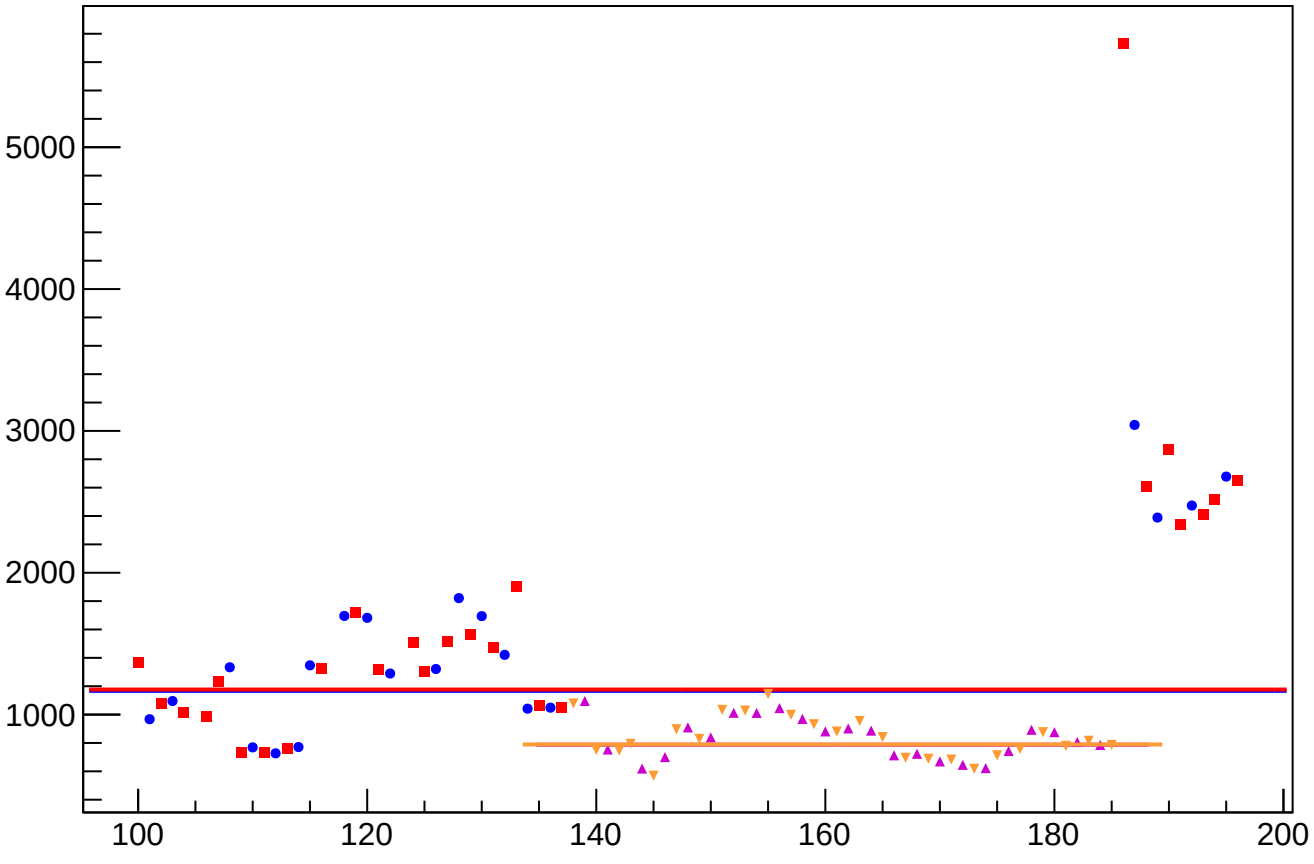
Right Out: -996.445+/-377.954 χ^2/NDF: 21.2/25

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -809.846+/-166.257 χ^2/NDF: 90.0/44

All: -567.689+/-118.065 χ^2/NDF: 142.5/93

- sign -321.340+/-167.690 χ^2/NDF: 48.2/48



Right In: 1167.318+/-0.285 χ^2/NDF: 2687940.1/19

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1176.639+/-0.267 χ^2/NDF: 4347934.6/25

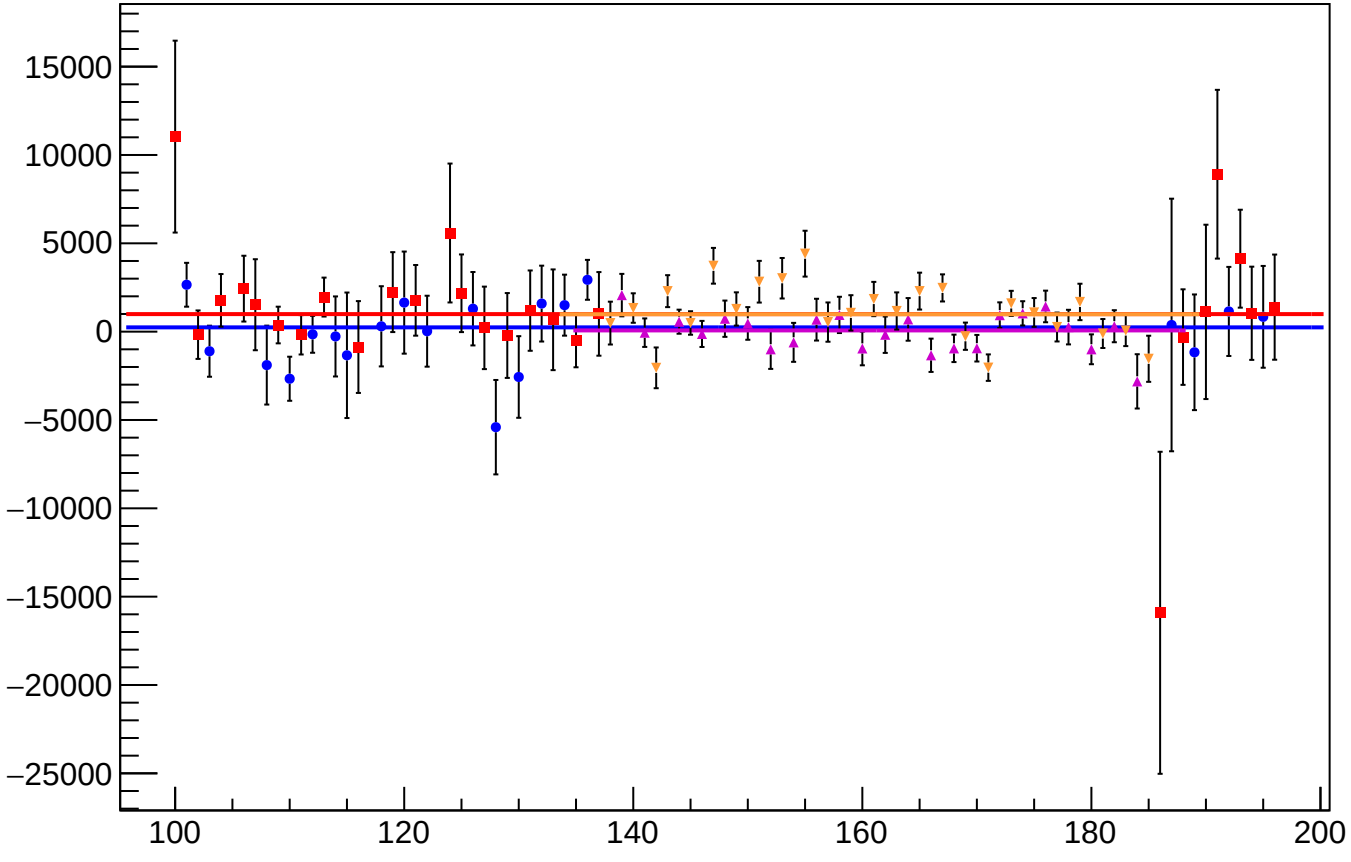
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 853.416+/-0.118 χ^2/NDF: 5322150.3/44

All: 858.669+/-0.083 χ^2/NDF: 12419259.0/93

- sign 864.013+/-0.119 χ^2/NDF: 7093081.3/48

asym_sam_3748_avg_mean vs Slug



Right In: 242.572+/-407.897 χ^2/NDF: 24.8/19

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 993.565+/-384.198 χ^2/NDF: 18.9/25

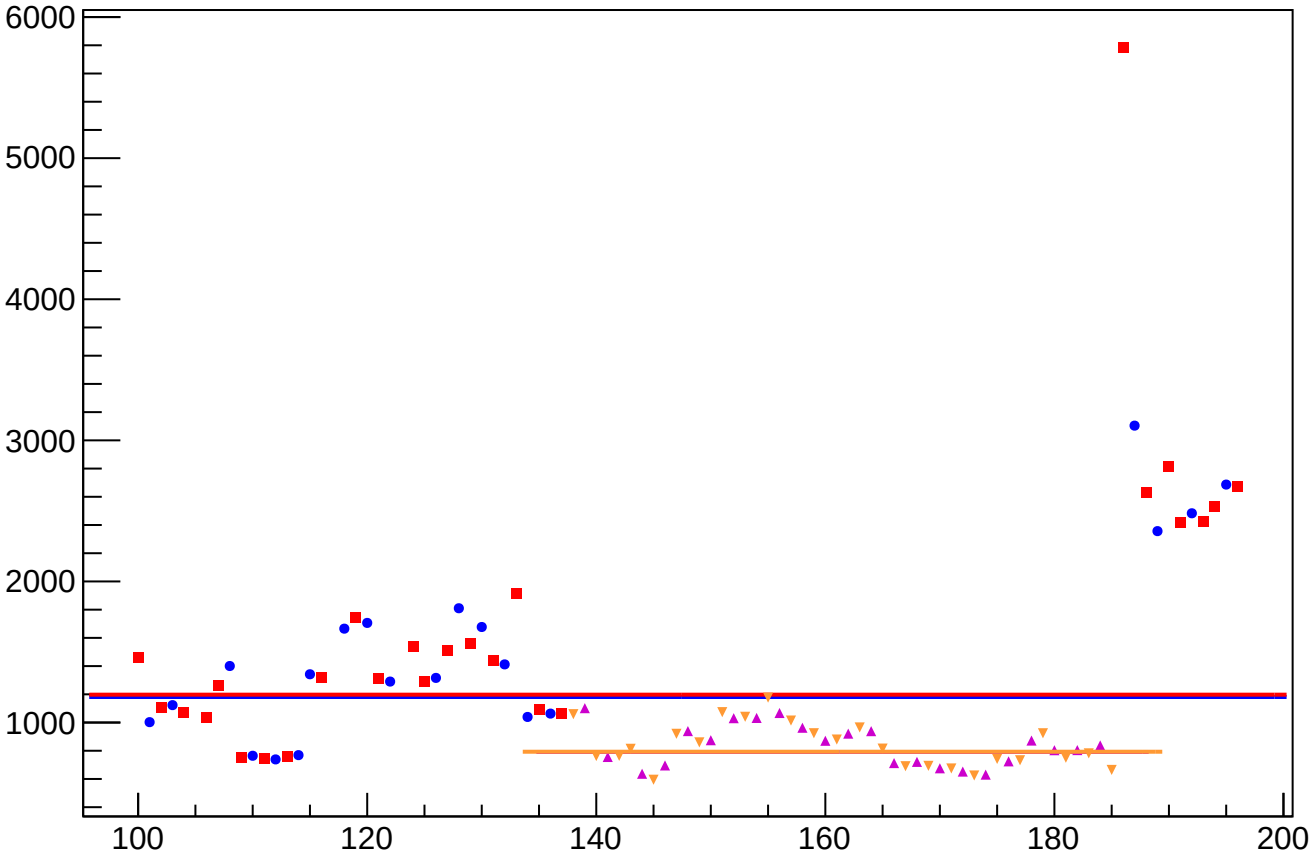
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 860.468+/-167.422 χ^2/NDF: 91.3/44

All: 557.182+/-118.902 χ^2/NDF: 145.9/93

- sign 248.547+/-168.893 χ^2/NDF: 48.0/48

asym_sam_3748_avg_rms vs Slug



Right In: 1181.083+/-0.288 χ^2/NDF: 2631019.3/19

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

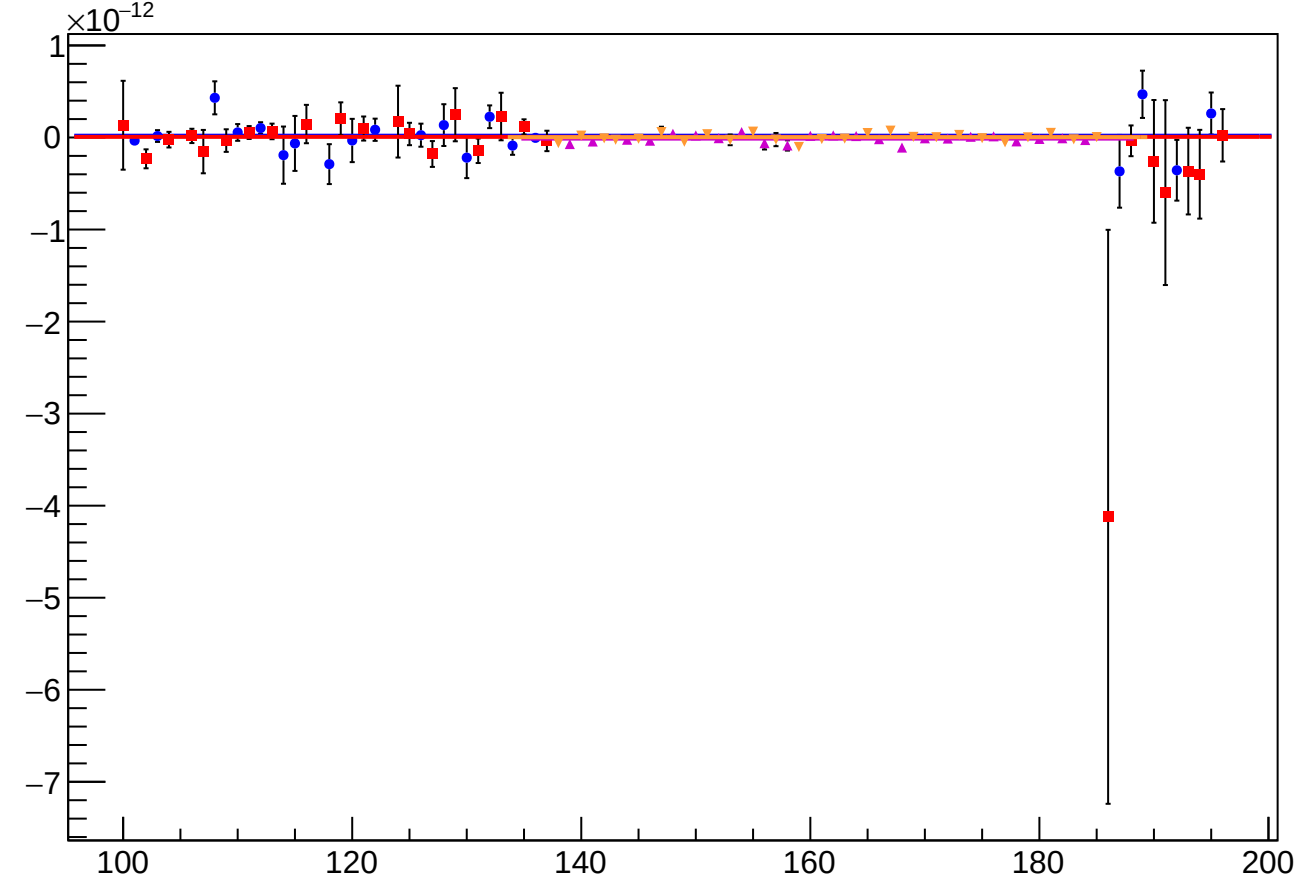
Right Out: 1197.450+/-0.272 χ^2/NDF: 4265226.1/25

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 858.423+/-0.118 χ^2/NDF: 5330009.1/44

All: 863.998+/-0.084 χ^2/NDF: 12453262.2/93

- sign 869.670+/-0.119 χ^2/NDF: 7118779.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

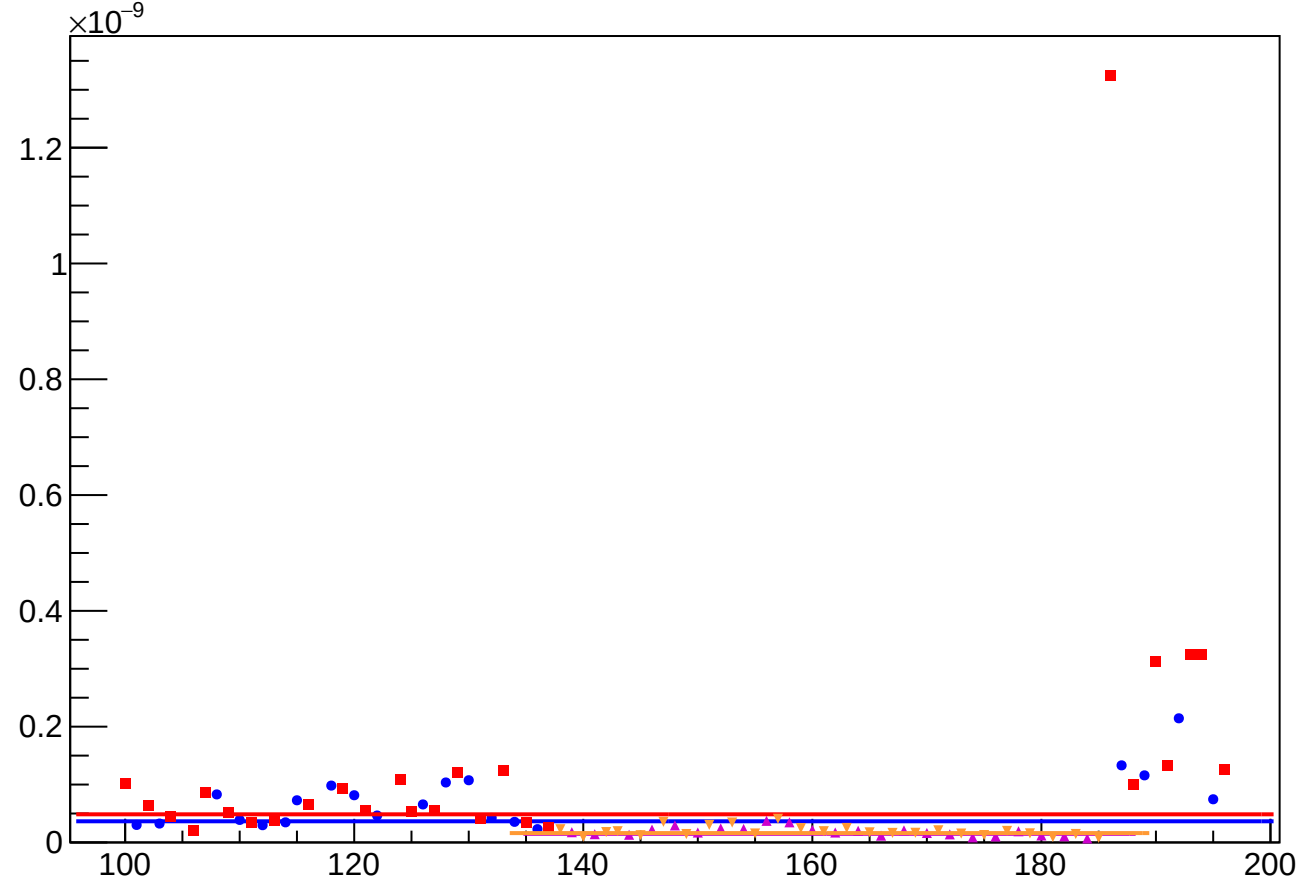
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/44

All: -0.000+/-0.000 χ^2/NDF: 106.4/93

- sign -0.000+/-0.000 χ^2/NDF: 45.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2152711.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

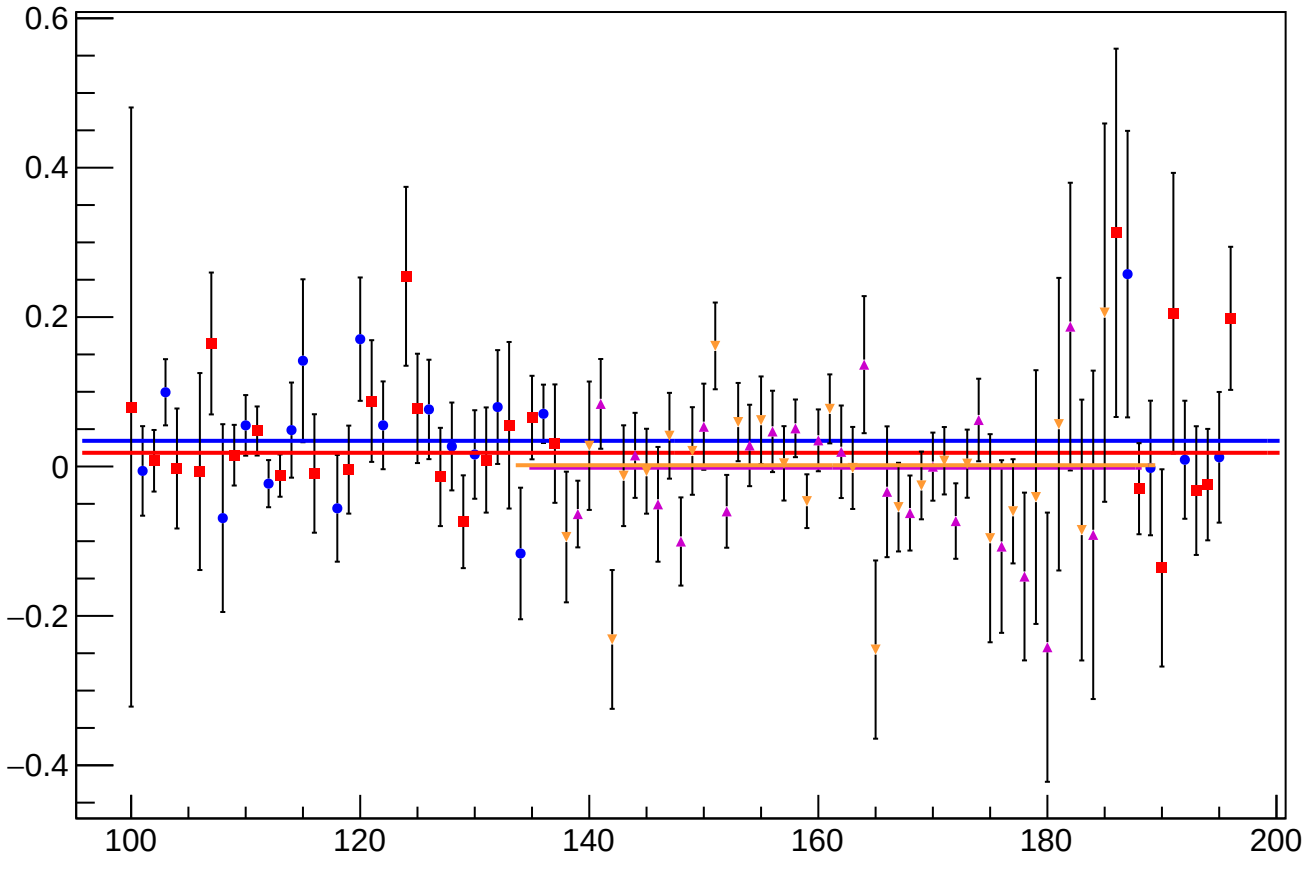
Right Out: 0.000+/-0.000 χ^2/NDF: 3465918.7/25

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5514980.5/44

All: 0.000+/-0.000 χ^2/NDF: 13775314.1/93

- sign 0.000+/-0.000 χ^2/NDF: 8227629.2/48



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

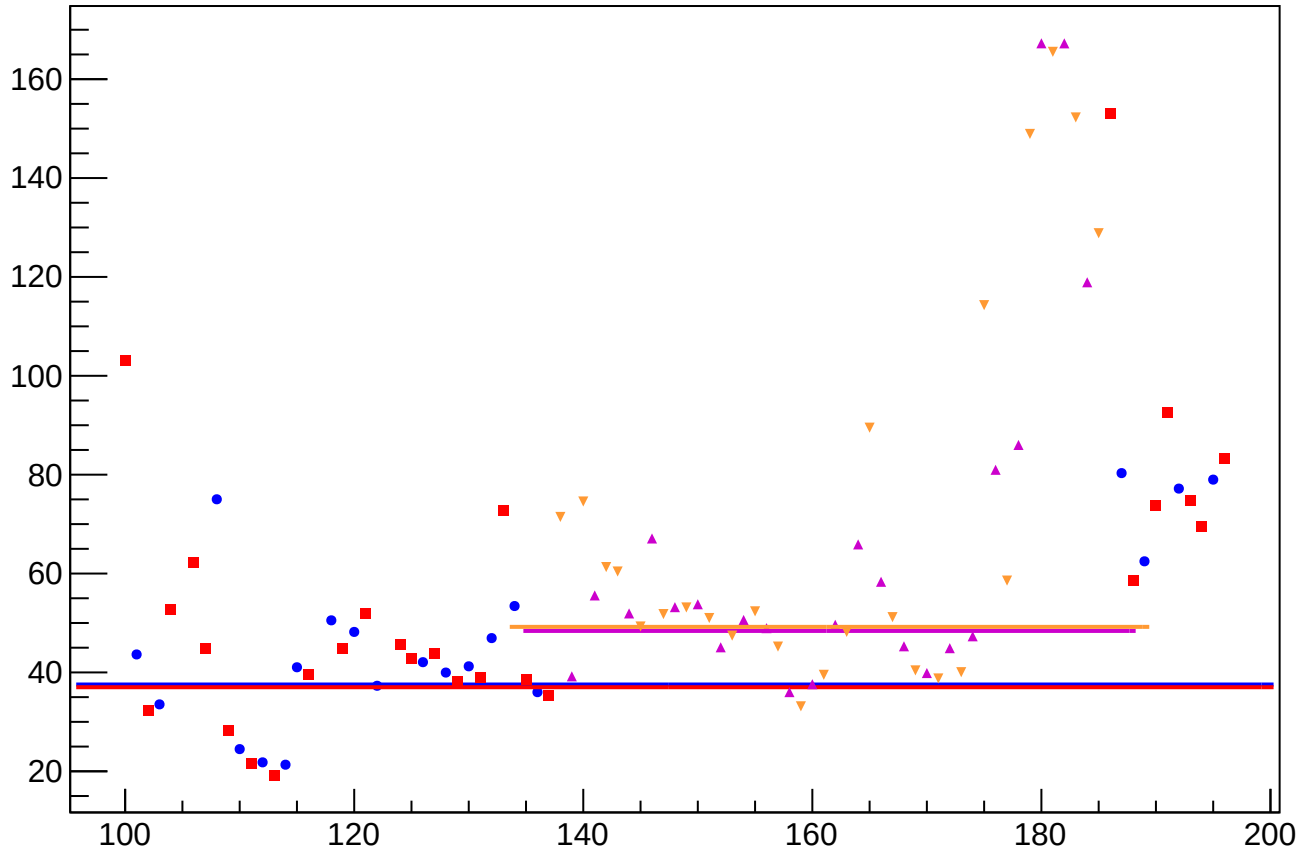
Right Out: 0.018+/-0.012 χ^2/NDF: 22.0/25

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

\+ sign 0.017+/-0.009 χ^2/NDF: 52.3/44

All: 0.012+/-0.006 χ^2/NDF: 102.1/93

\- sign 0.008+/-0.009 χ^2/NDF: 49.4/48



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

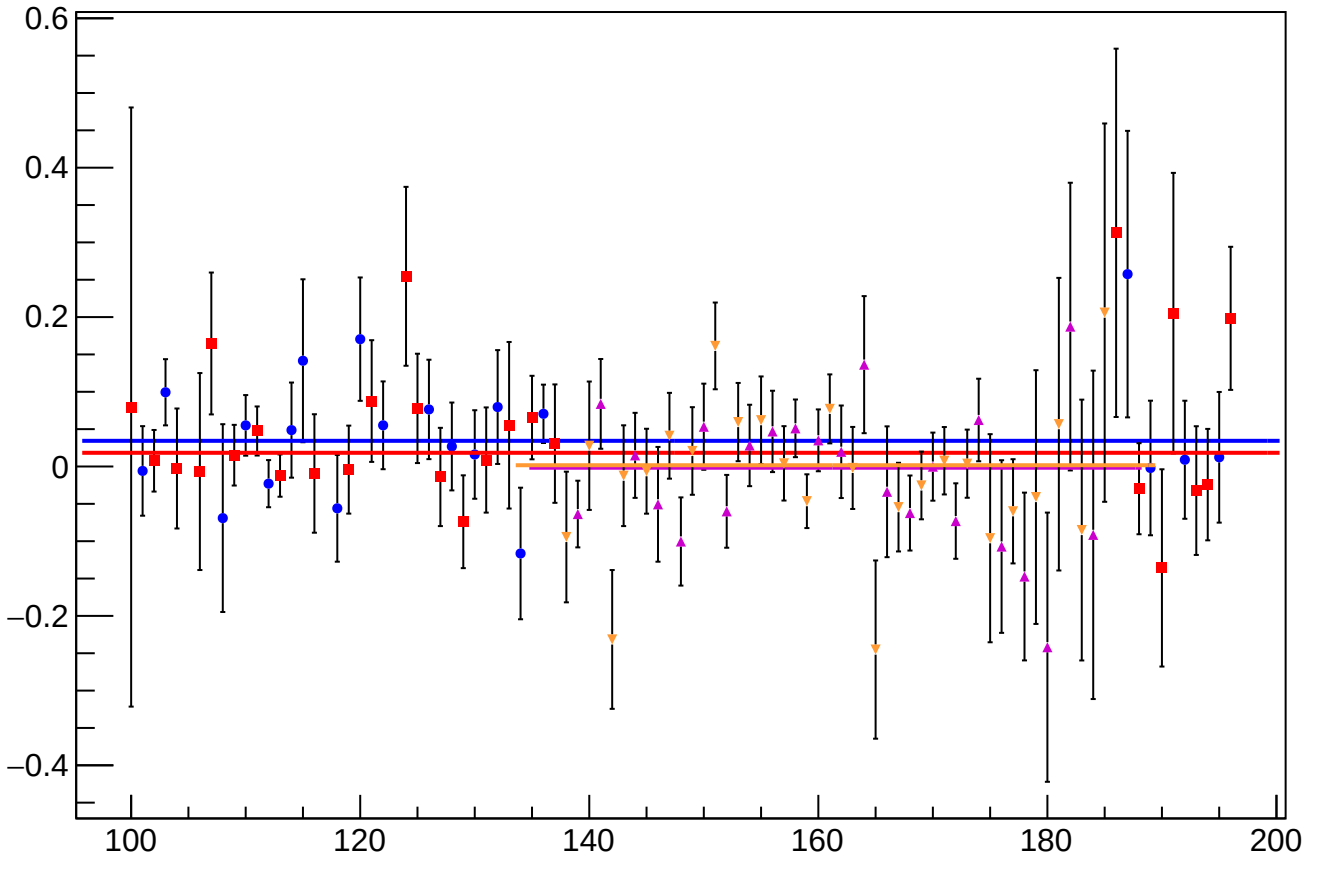
Right Out: 37.005+/-0.009 χ^2/NDF: 4188999.0/25

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472734.0/44

All: 43.242+/-0.004 χ^2/NDF: 15564606.2/93

- sign 42.669+/-0.006 χ^2/NDF: 8074007.3/48



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

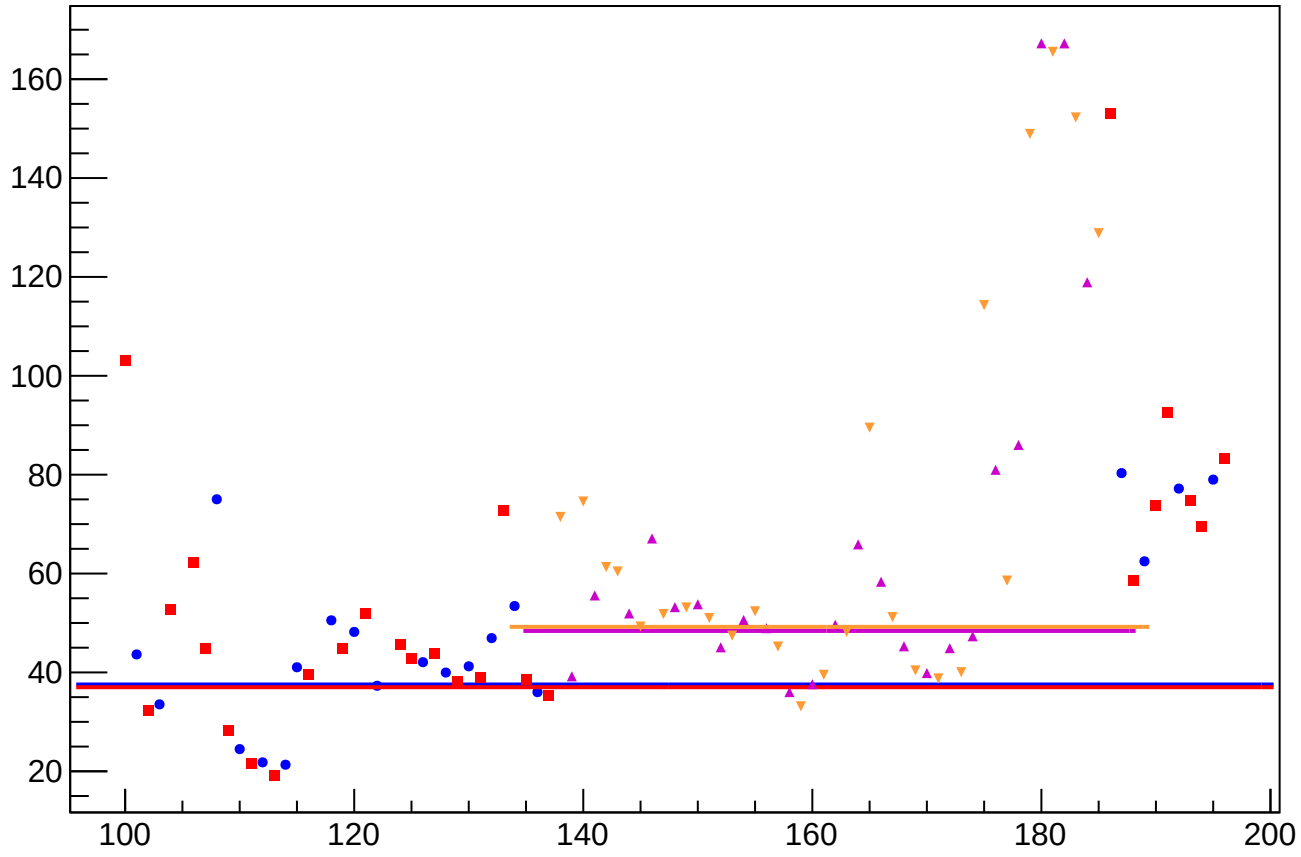
Right Out: 0.018+/-0.012 χ^2/NDF: 22.0/25

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

\+ sign 0.017+/-0.009 χ^2/NDF: 52.3/44

All: 0.012+/-0.006 χ^2/NDF: 102.1/93

\- sign 0.008+/-0.009 χ^2/NDF: 49.4/48



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

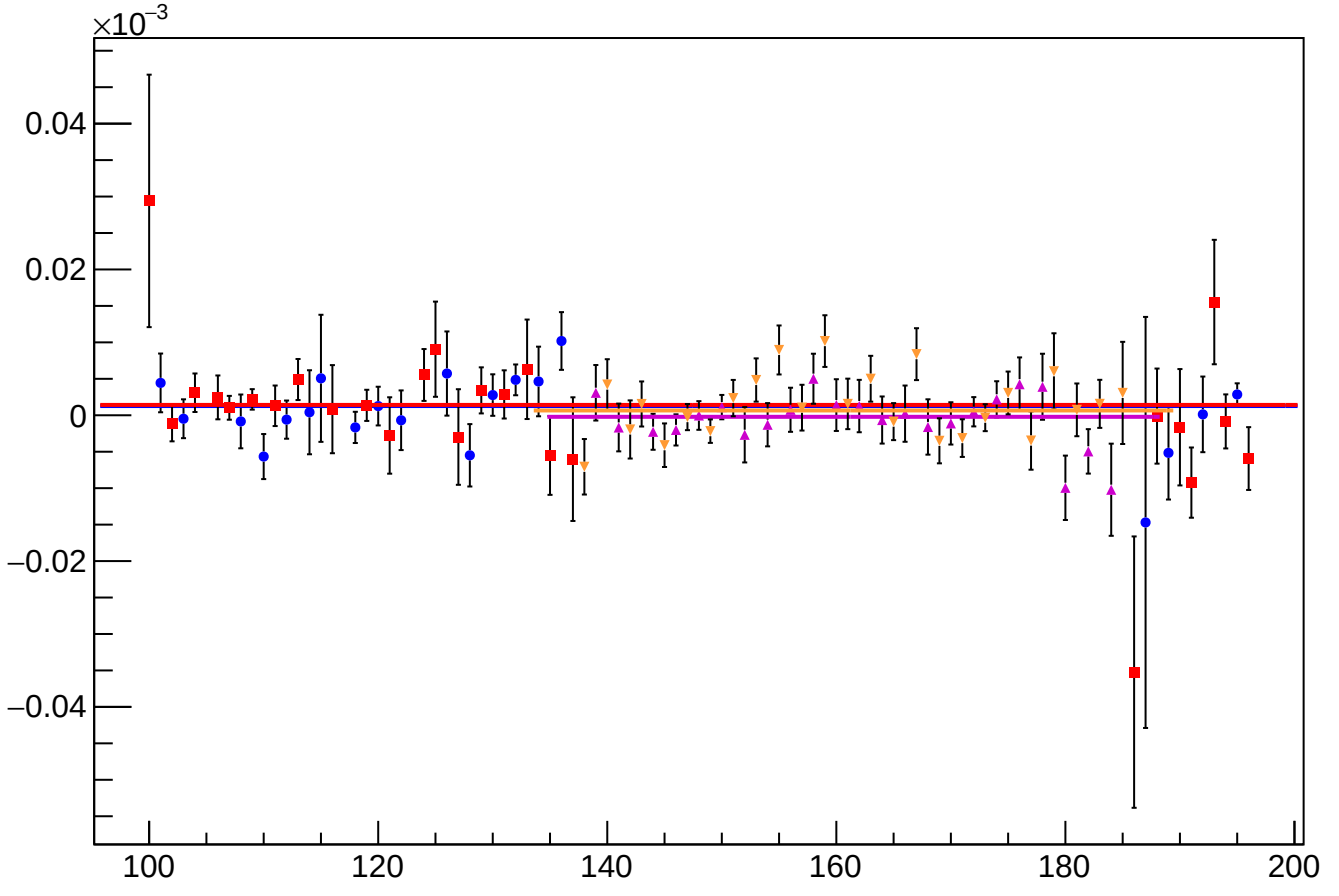
Right Out: 37.005+/-0.009 χ^2/NDF: 4188999.0/25

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472734.0/44

All: 43.242+/-0.004 χ^2/NDF: 15564606.2/93

- sign 42.669+/-0.006 χ^2/NDF: 8074007.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

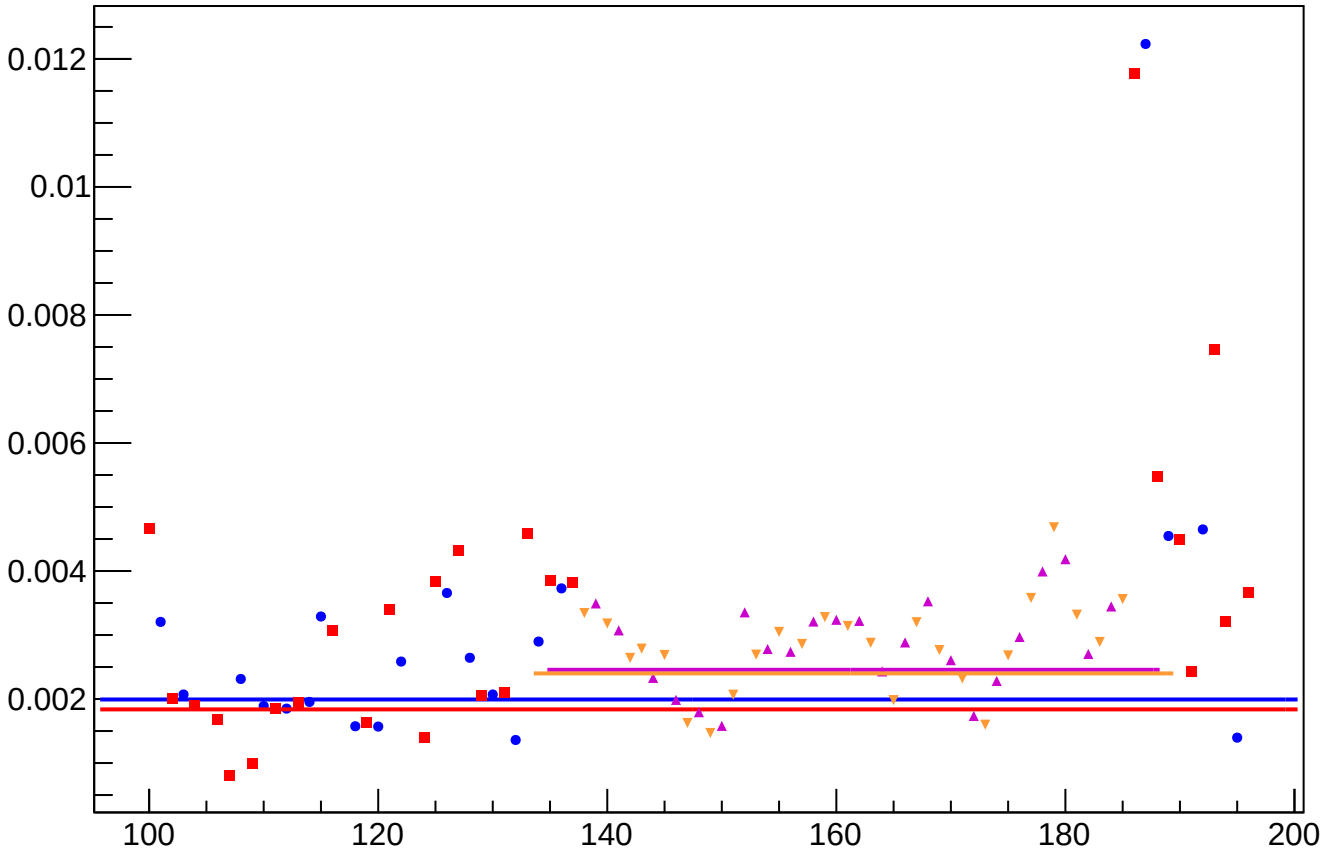
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/25

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/44

All: 0.000+/-0.000 χ^2/NDF: 117.5/93

- sign 0.000+/-0.000 χ^2/NDF: 51.6/48



Right In: 0.002+/-0.000 χ^2/NDF: 2680523.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

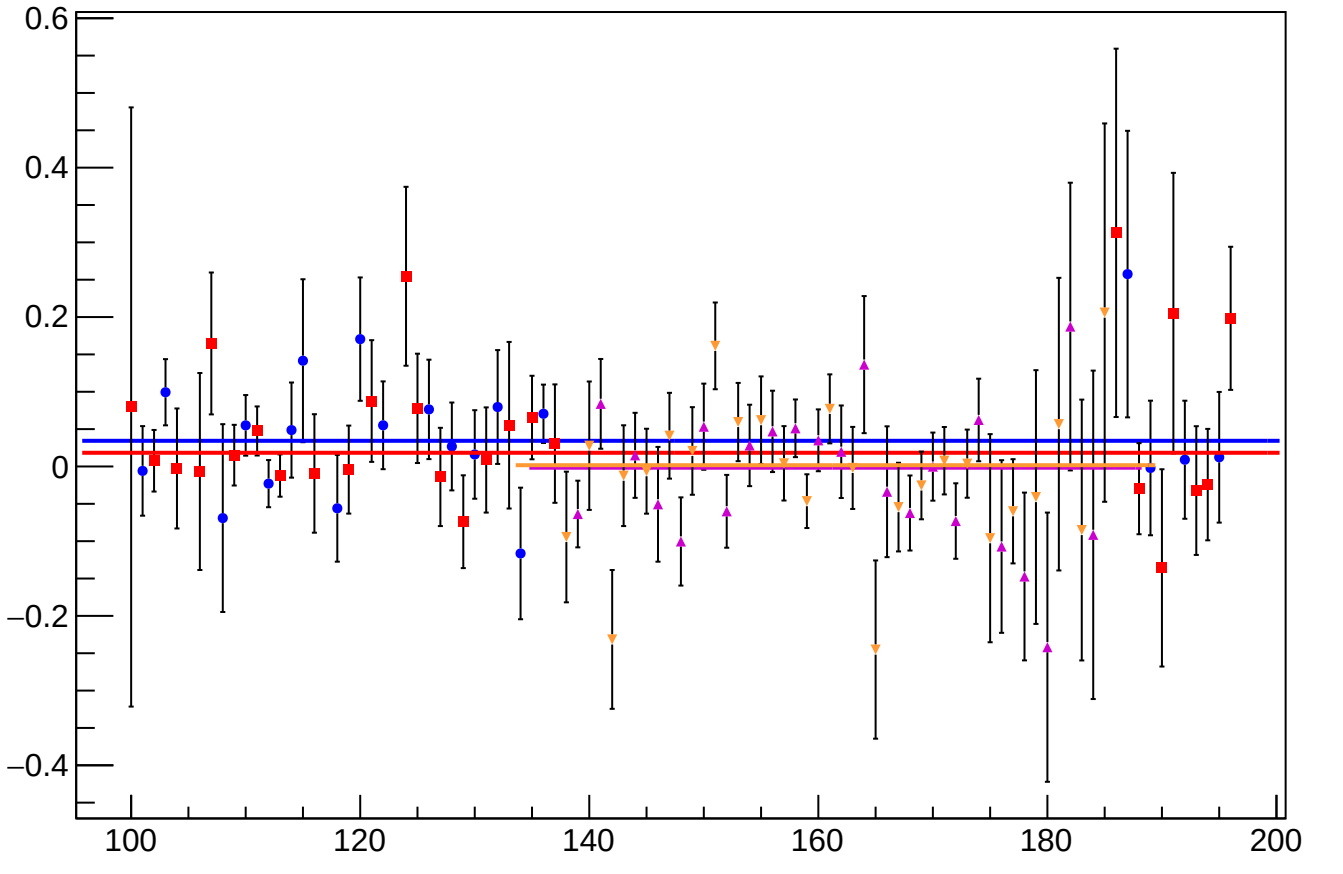
Right Out: 0.002+/-0.000 χ^2/NDF: 6065185.1/25

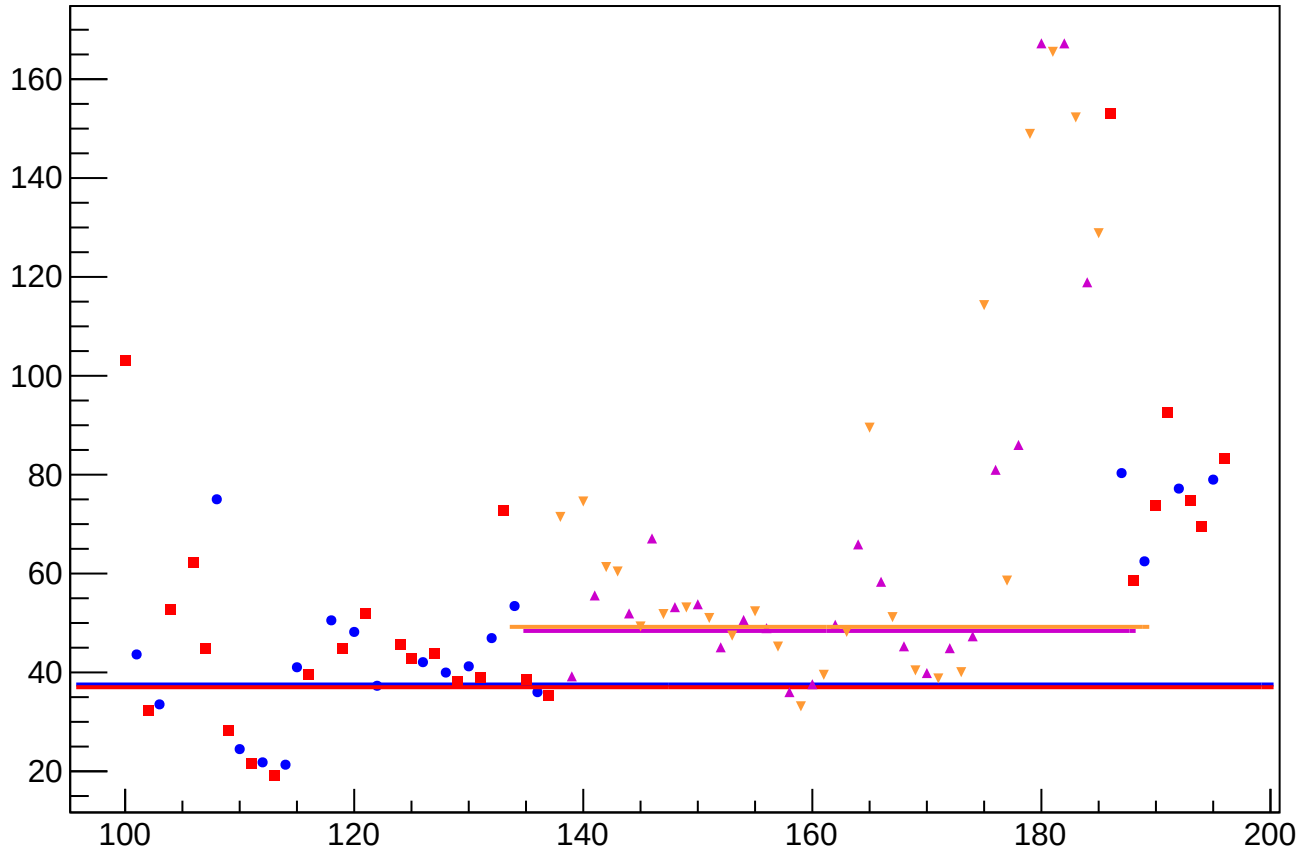
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 6207204.0/44

All: 0.002+/-0.000 χ^2/NDF: 15923253.5/93

- 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: 0.034+/-0.013 χ²/NDF: 18.6/19
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 0.017+/-0.009 χ²/NDF: 52.3/44
All: 0.012+/-0.006 χ²/NDF: 102.1/93
- sign 0.008+/-0.009 χ²/NDF: 49.4/48



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

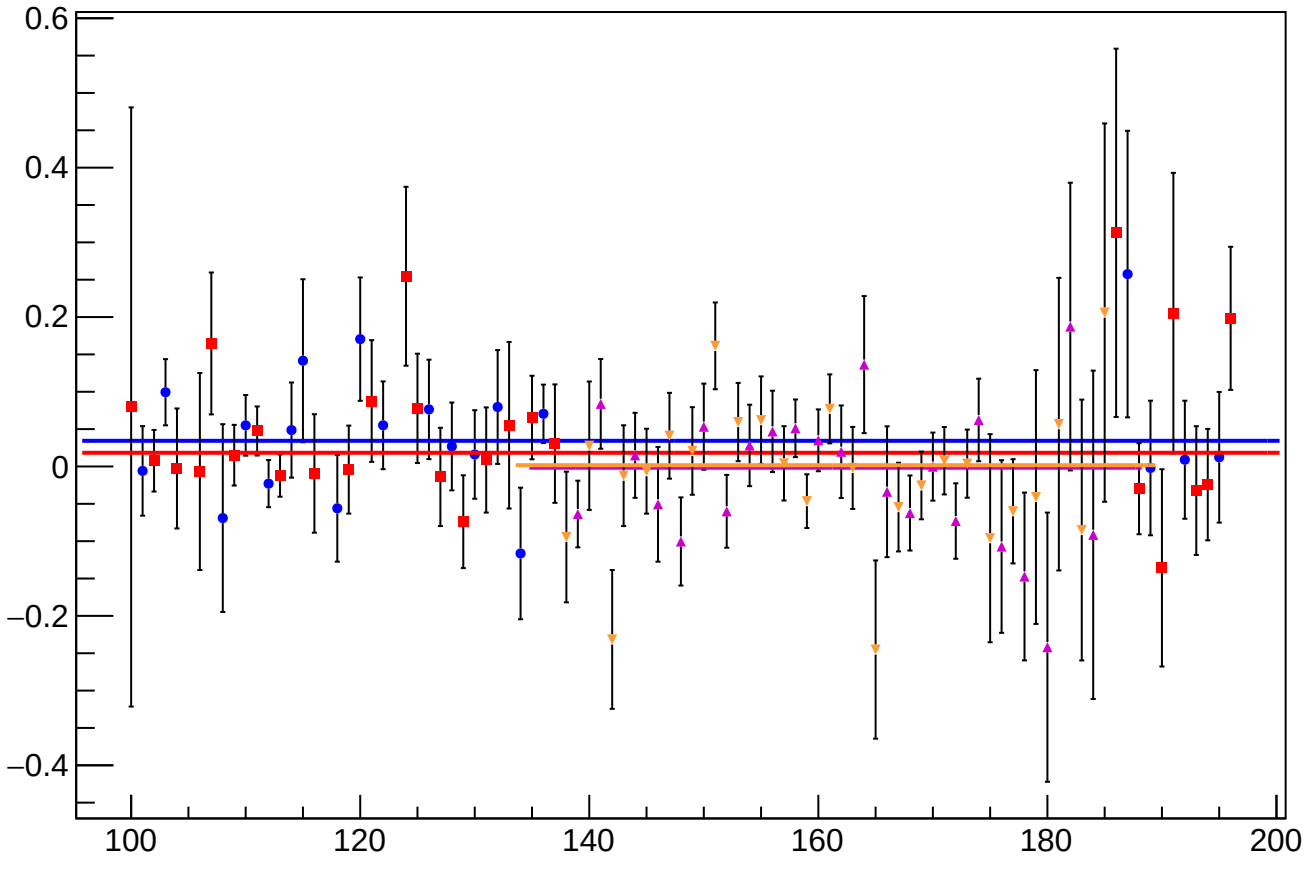
Right Out: 37.005+/-0.009 χ^2/NDF: 4188956.7/25

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472647.2/44

All: 43.243+/-0.004 χ^2/NDF: 15564441.7/93

- sign 42.670+/-0.006 χ^2/NDF: 8073931.3/48



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

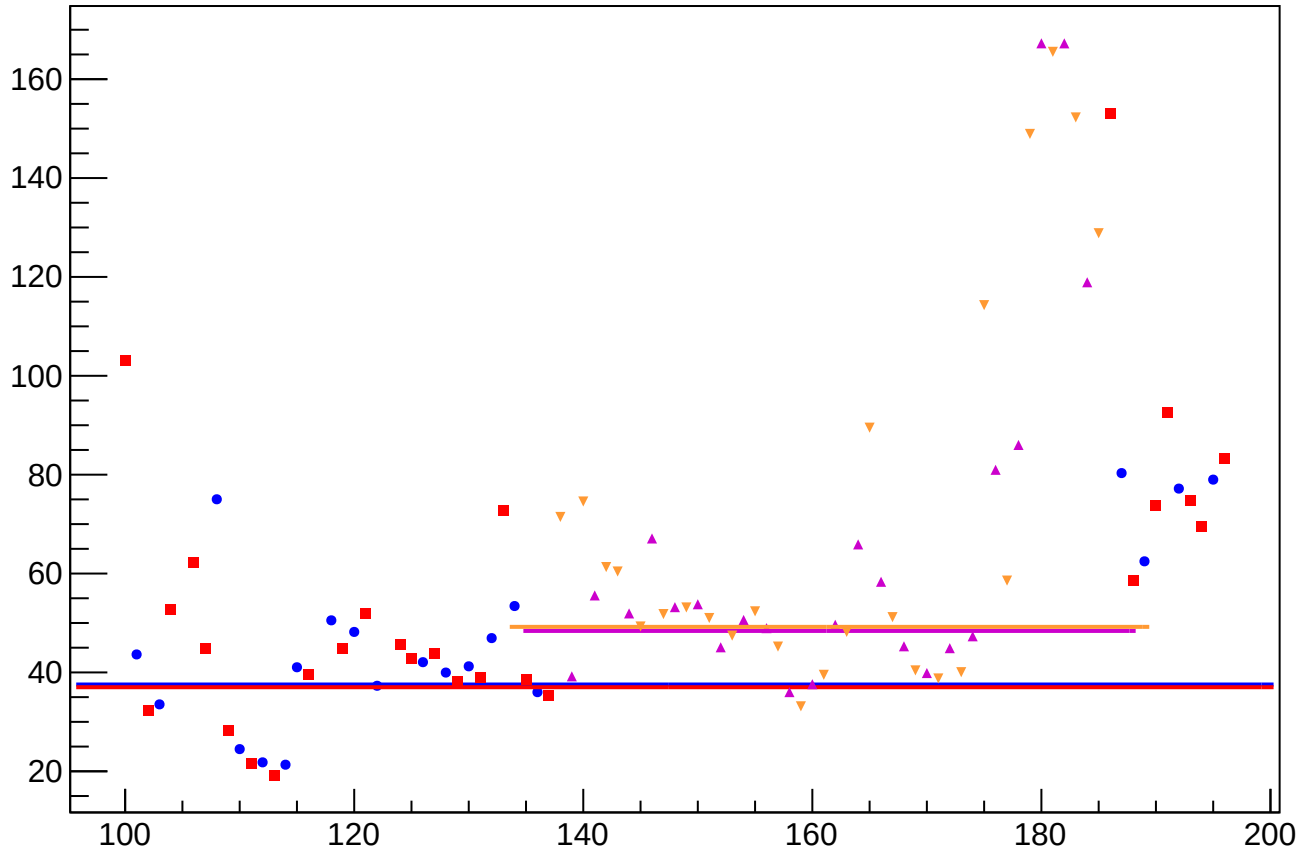
Right Out: 0.018+/-0.012 χ^2/NDF: 22.0/25

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/44

All: 0.012+/-0.006 χ^2/NDF: 102.1/93

- sign 0.008+/-0.009 χ^2/NDF: 49.4/48



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

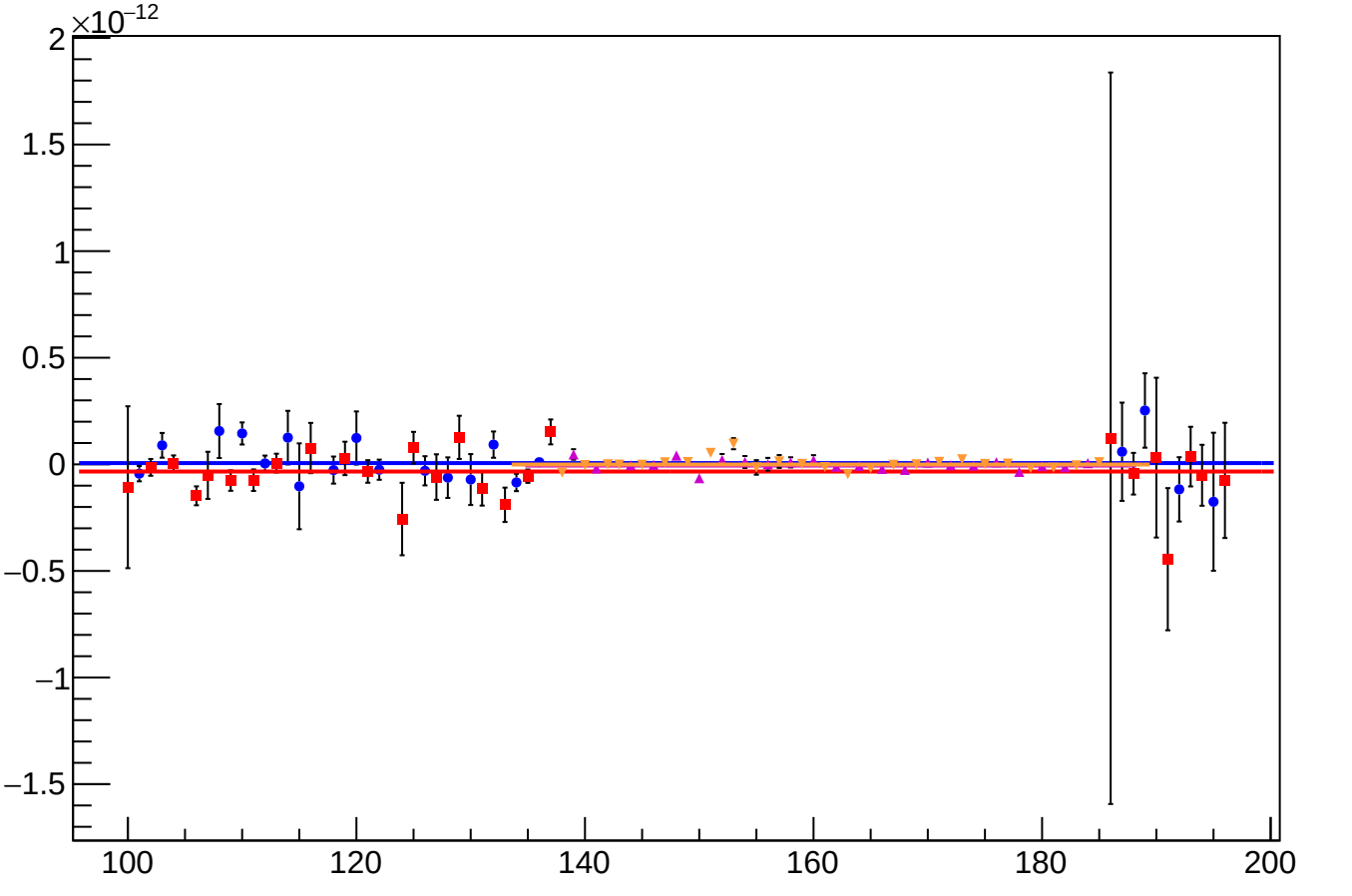
Right Out: 37.005+/-0.009 χ^2/NDF: 4188956.7/25

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472647.2/44

All: 43.243+/-0.004 χ^2/NDF: 15564441.7/93

- sign 42.670+/-0.006 χ^2/NDF: 8073931.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

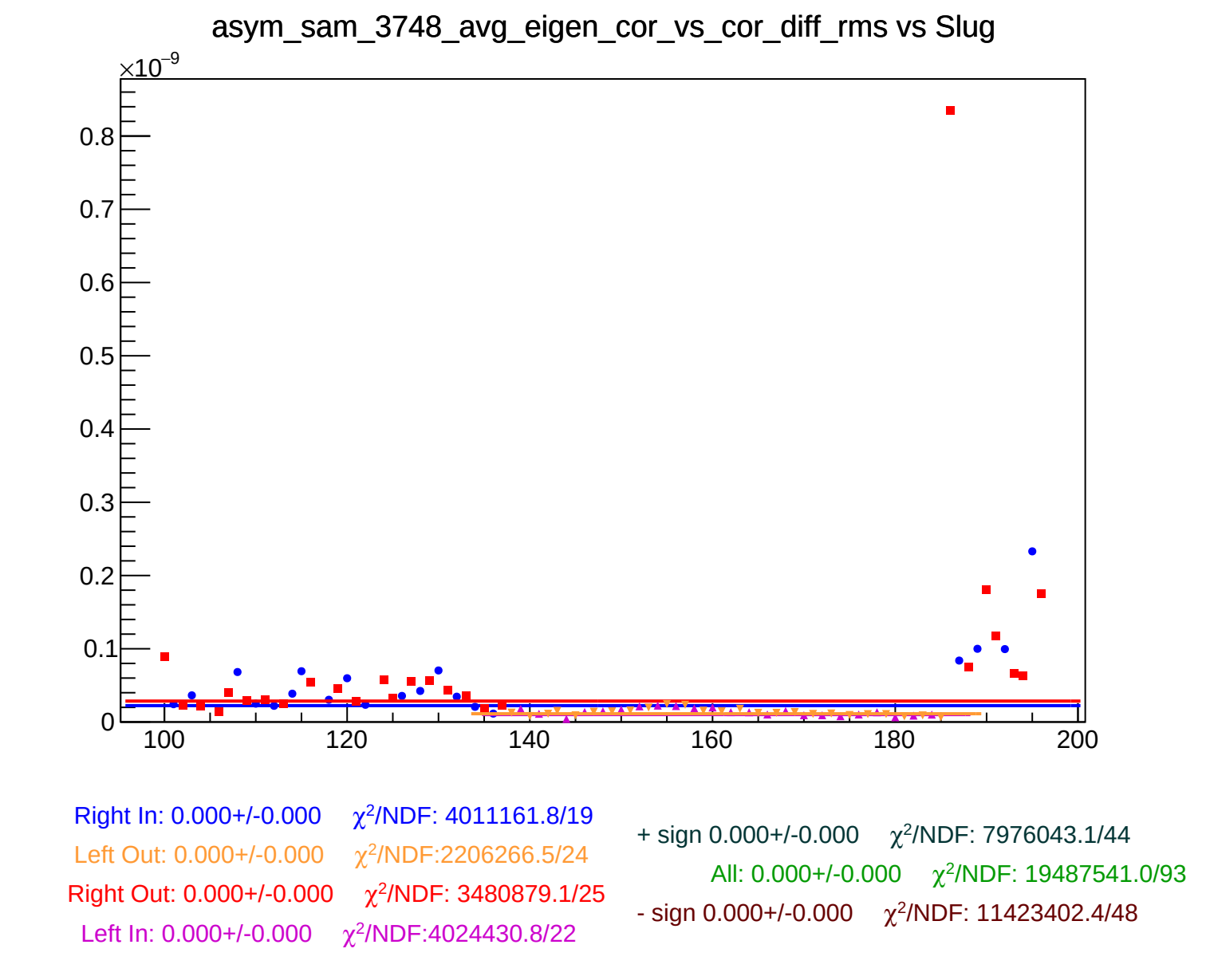
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/25

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

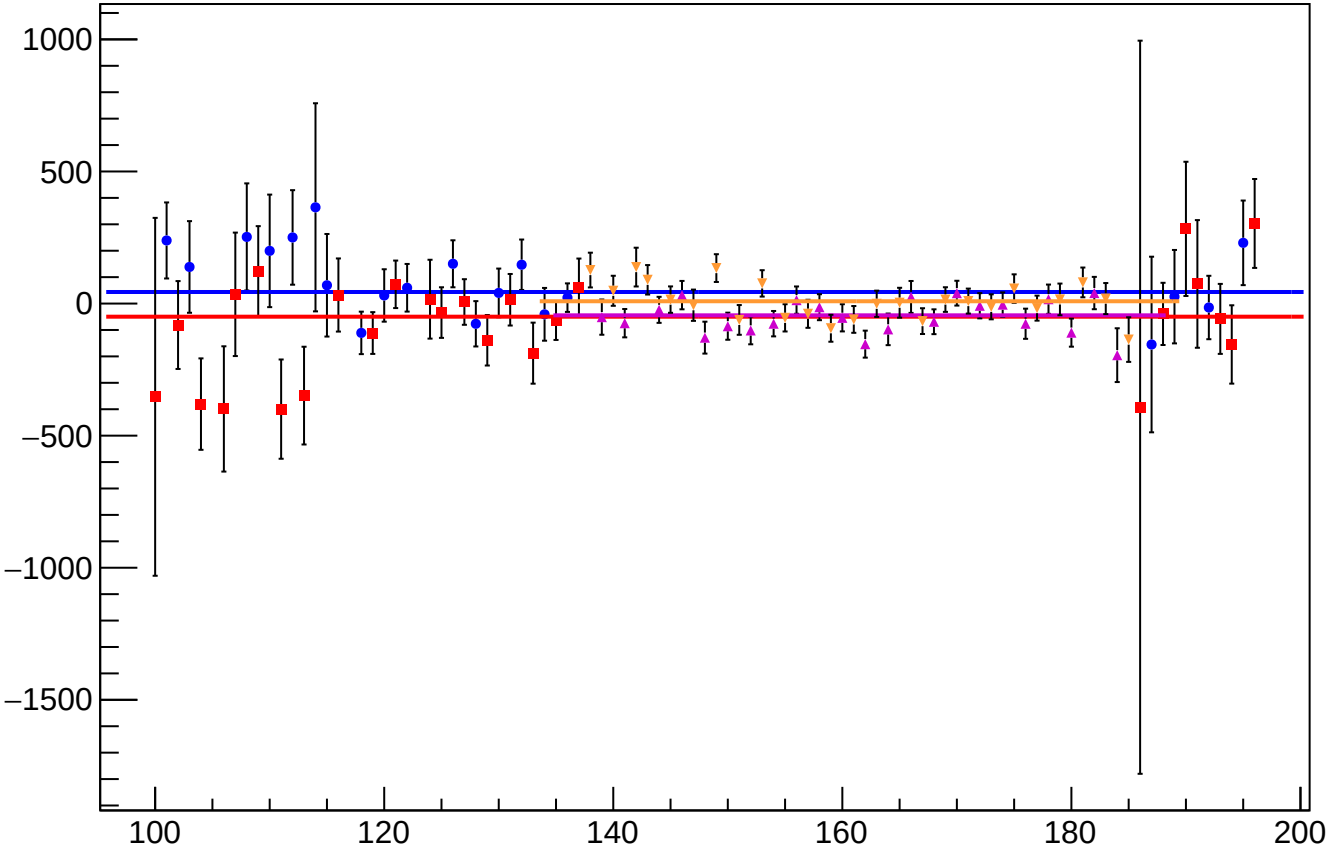
+ sign -0.000+/-0.000 χ^2/NDF: 63.9/44

All: -0.000+/-0.000 χ^2/NDF: 134.6/93

- 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: 4011161.8/19
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: 7976043.1/44
All: 0.000+/-0.000 χ²/NDF: 19487541.0/93
- sign 0.000+/-0.000 χ²/NDF: 11423402.4/48

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.791+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.683+/-24.802 χ^2/NDF: 27.5/25

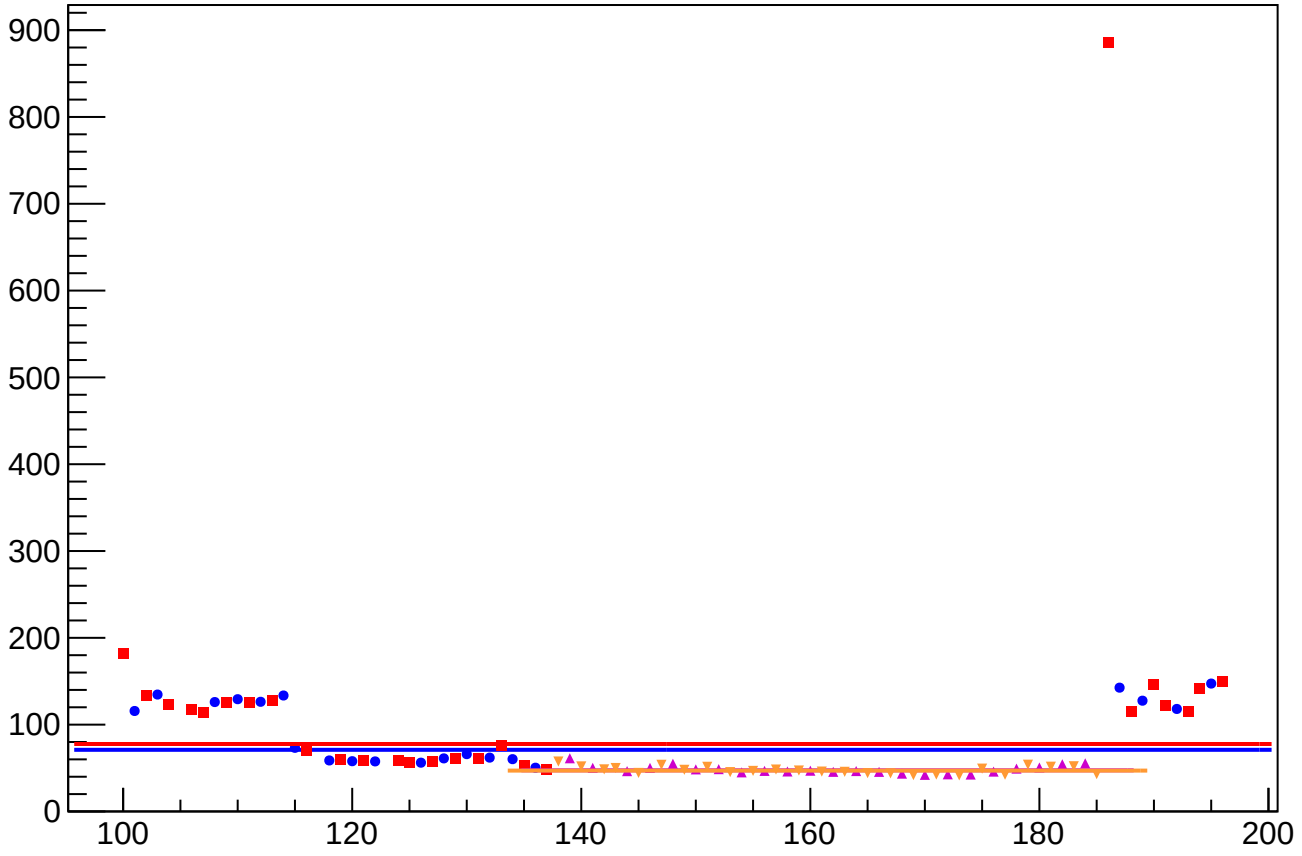
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.395+/-9.865 χ^2/NDF: 53.2/44

All: -14.599+/-7.080 χ^2/NDF: 125.6/93

- sign -45.405+/-10.169 χ^2/NDF: 54.6/48

reg_asym_sam_1526_avg_rms vs Slug



Right In: 70.997+/-0.017 χ^2/NDF: 2607020.2/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

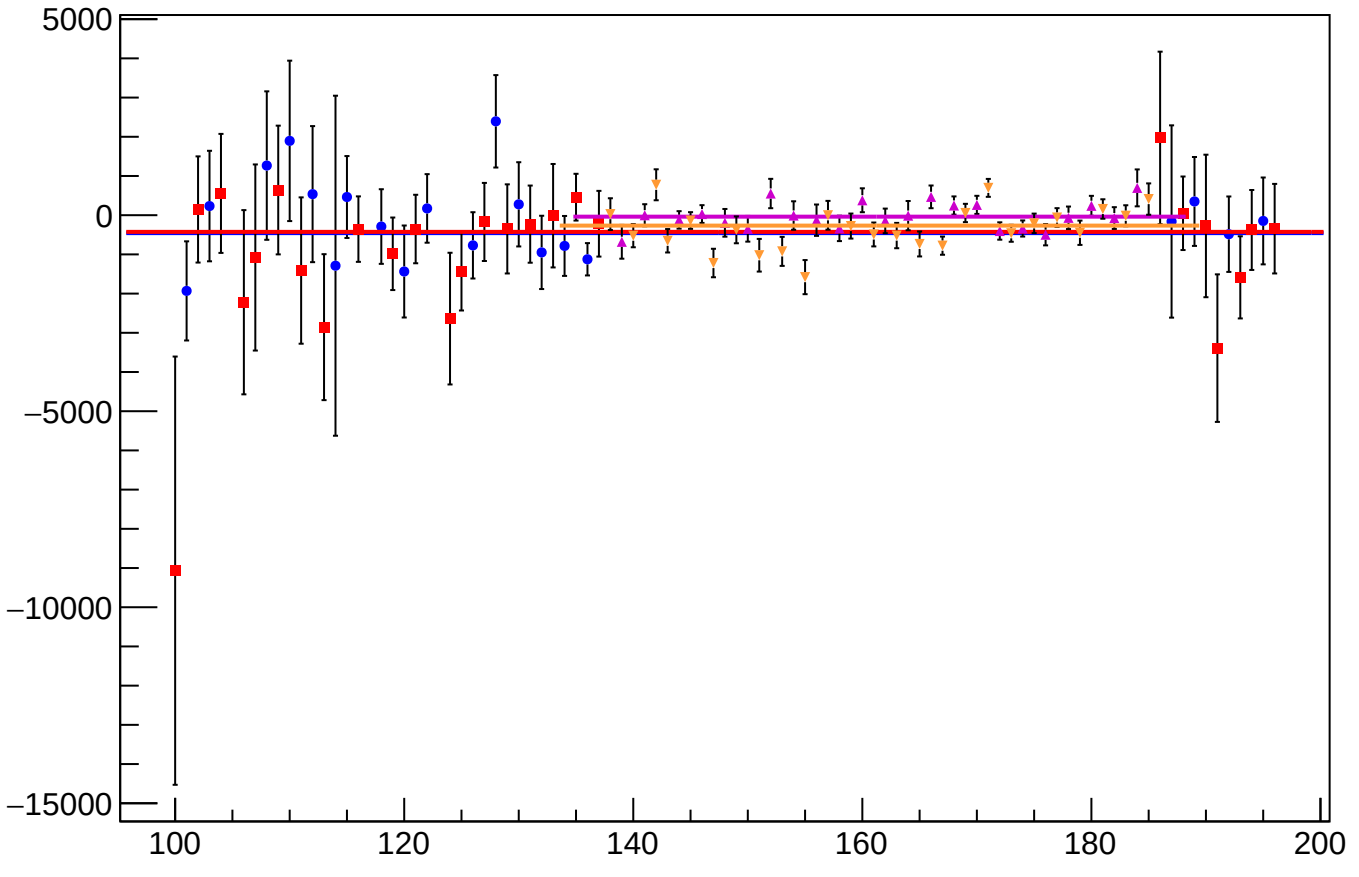
Right Out: 77.708+/-0.018 χ^2/NDF: 3857923.3/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484409.2/44

All: 51.675+/-0.005 χ^2/NDF: 11125048.0/93

- sign 52.481+/-0.007 χ^2/NDF: 6616248.2/48



Right In: -457.362+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -425.325+/-224.852 χ^2/NDF: 16.9/25

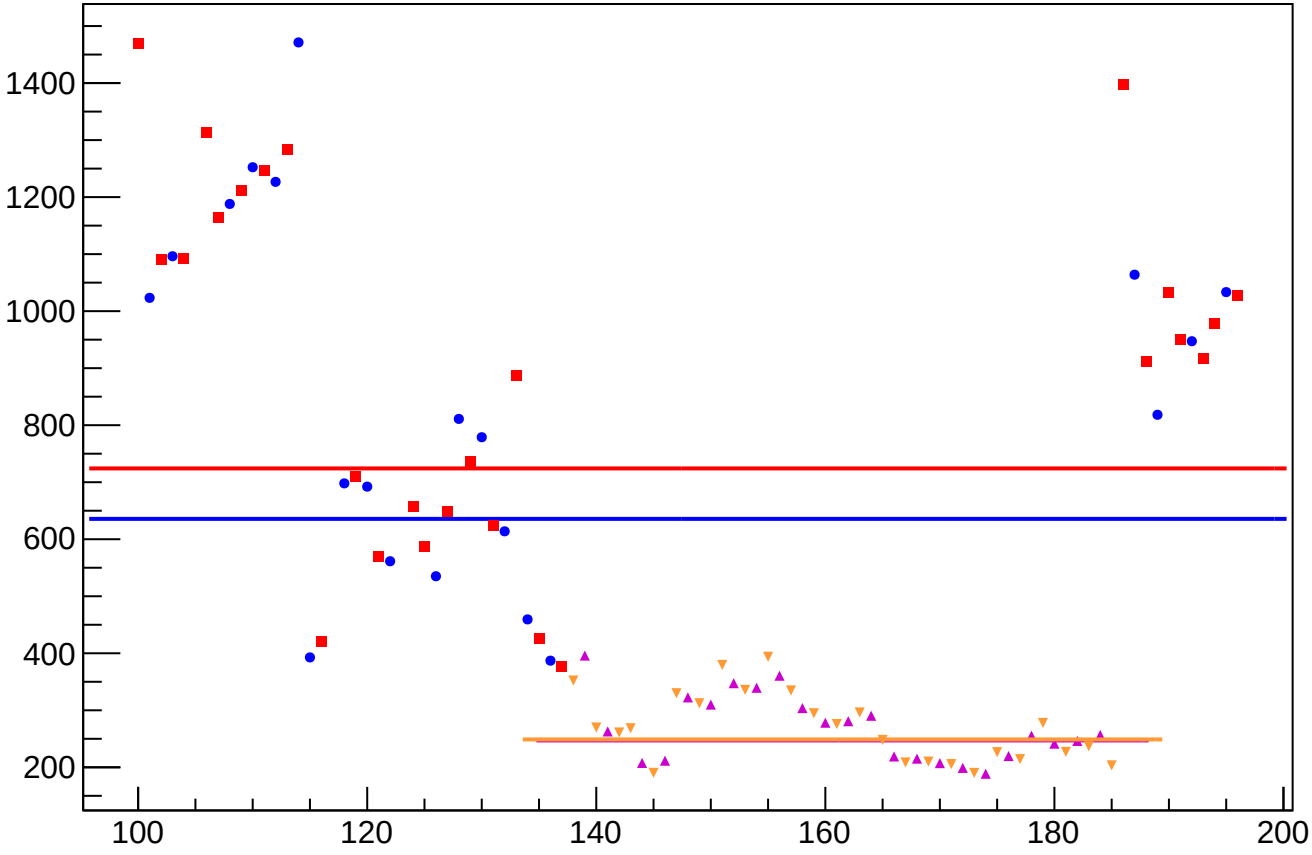
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -278.147+/-56.113 χ^2/NDF: 86.8/44

All: -172.482+/-40.061 χ^2/NDF: 140.3/93

- sign -62.636+/-57.212 χ^2/NDF: 46.3/48

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 635.704+/-0.156 χ^2/NDF: 2719193.9/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 724.174+/-0.159 χ^2/NDF: 2970572.2/25

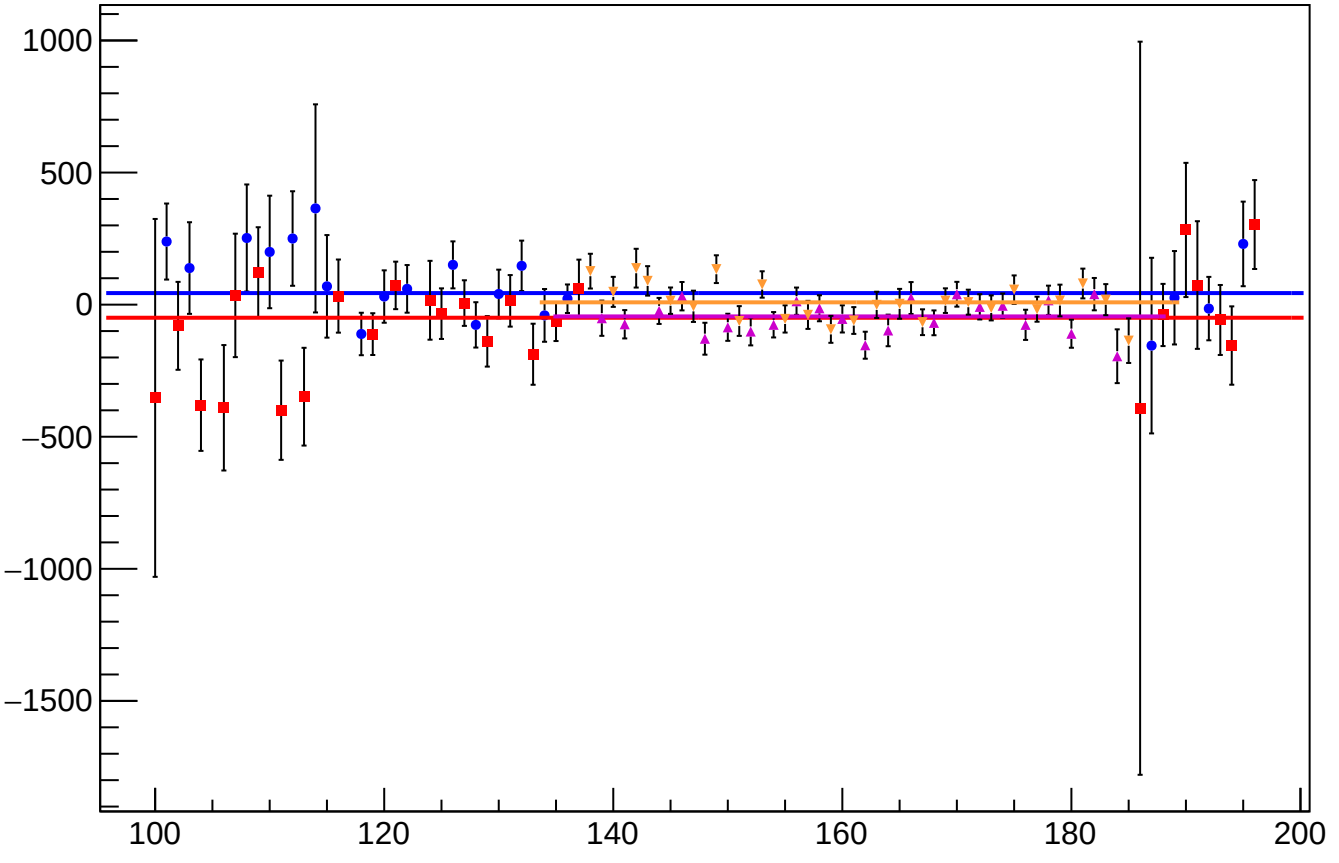
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160807.9/44

All: 275.980+/-0.028 χ^2/NDF: 23040908.0/93

- sign 277.995+/-0.040 χ^2/NDF: 12875233.7/48

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.784+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.554+/-24.803 χ^2/NDF: 27.4/25

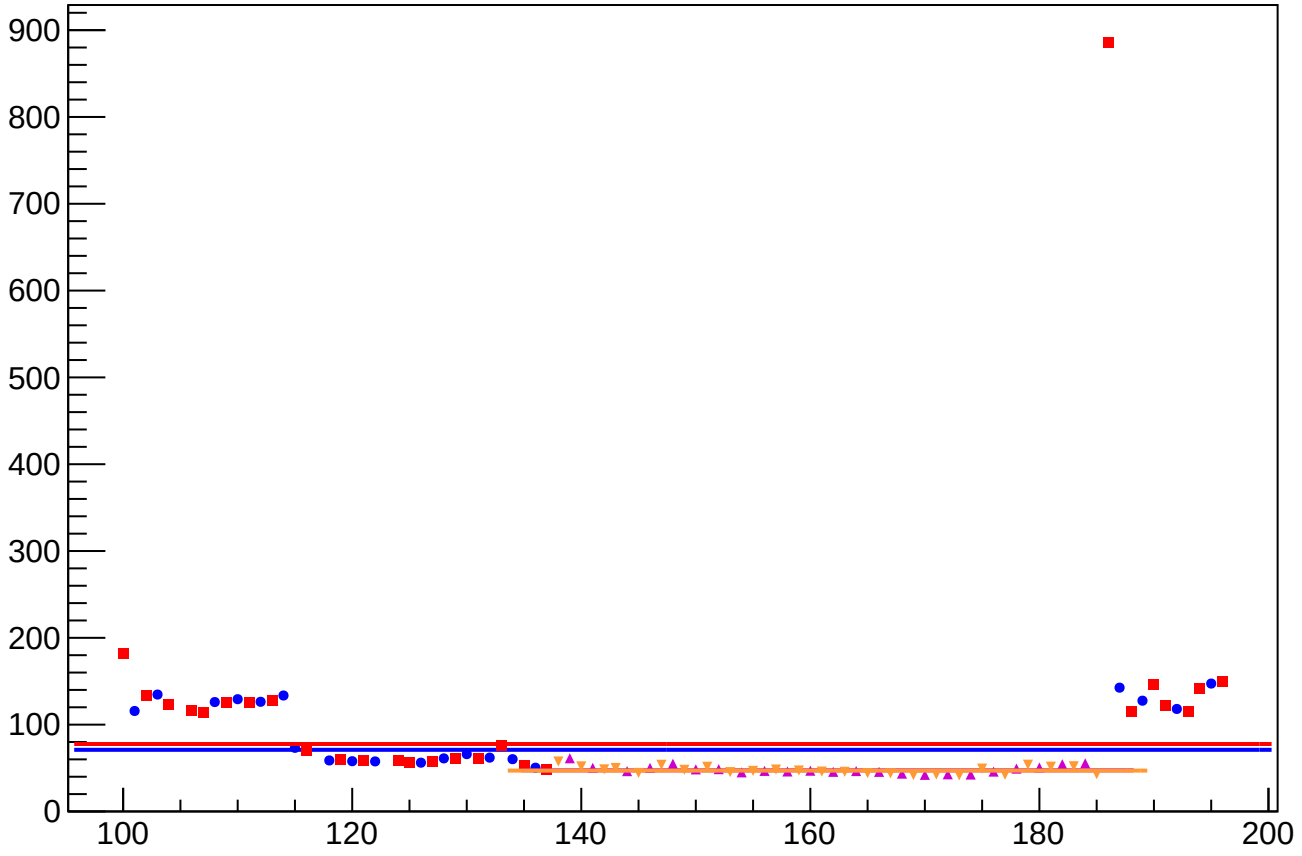
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.396+/-9.865 χ^2/NDF: 53.2/44

All: -14.587+/-7.080 χ^2/NDF: 125.5/93

- sign -45.383+/-10.169 χ^2/NDF: 54.5/48

cor_asym_sam_1526_avg_rms vs Slug



Right In: 70.997+/-0.017 χ^2/NDF: 2607022.5/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

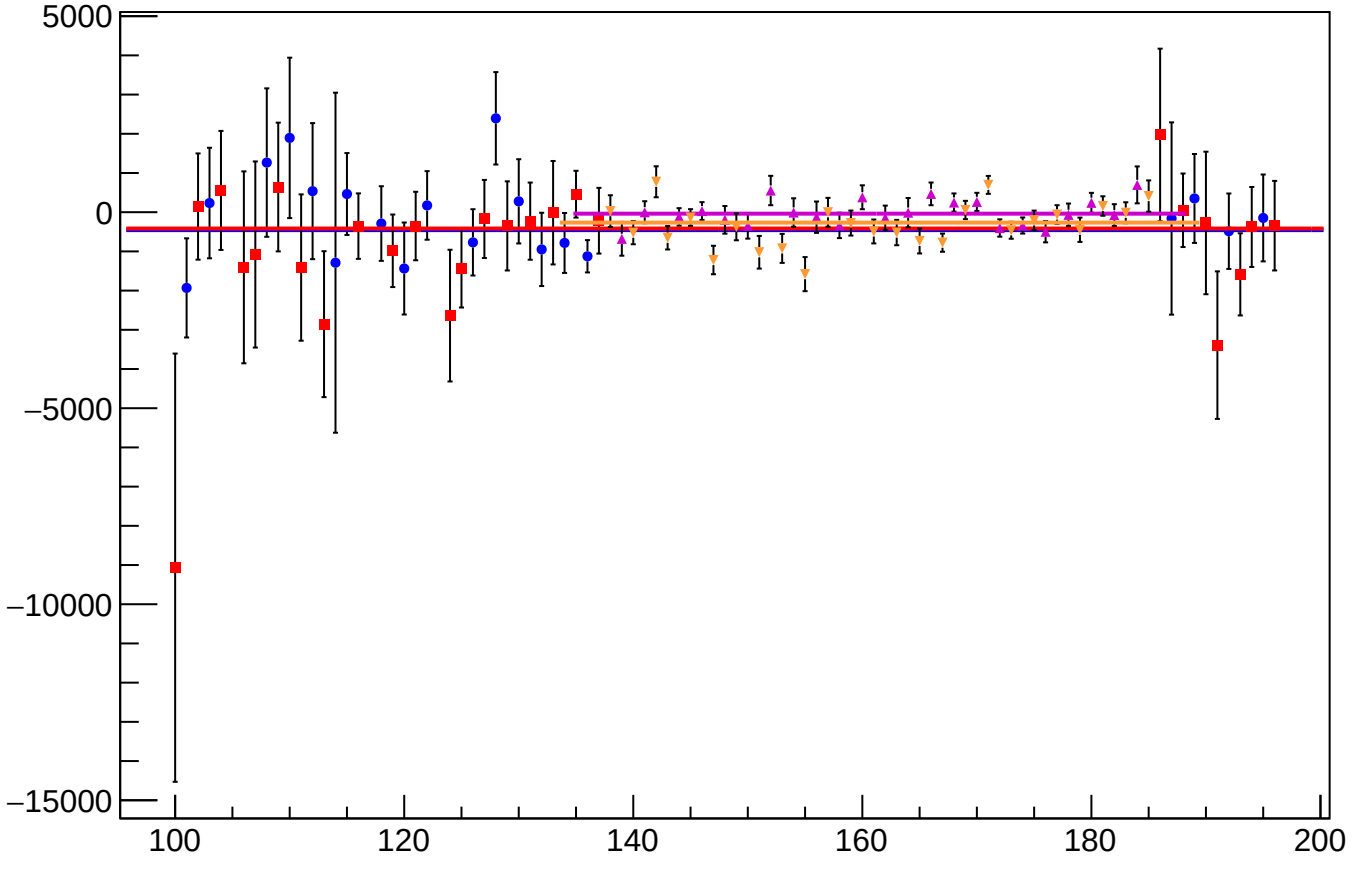
Right Out: 77.697+/-0.018 χ^2/NDF: 3855290.0/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484411.3/44

All: 51.674+/-0.005 χ^2/NDF: 11120308.2/93

- sign 52.479+/-0.007 χ^2/NDF: 6611574.9/48



Right In: -457.347+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

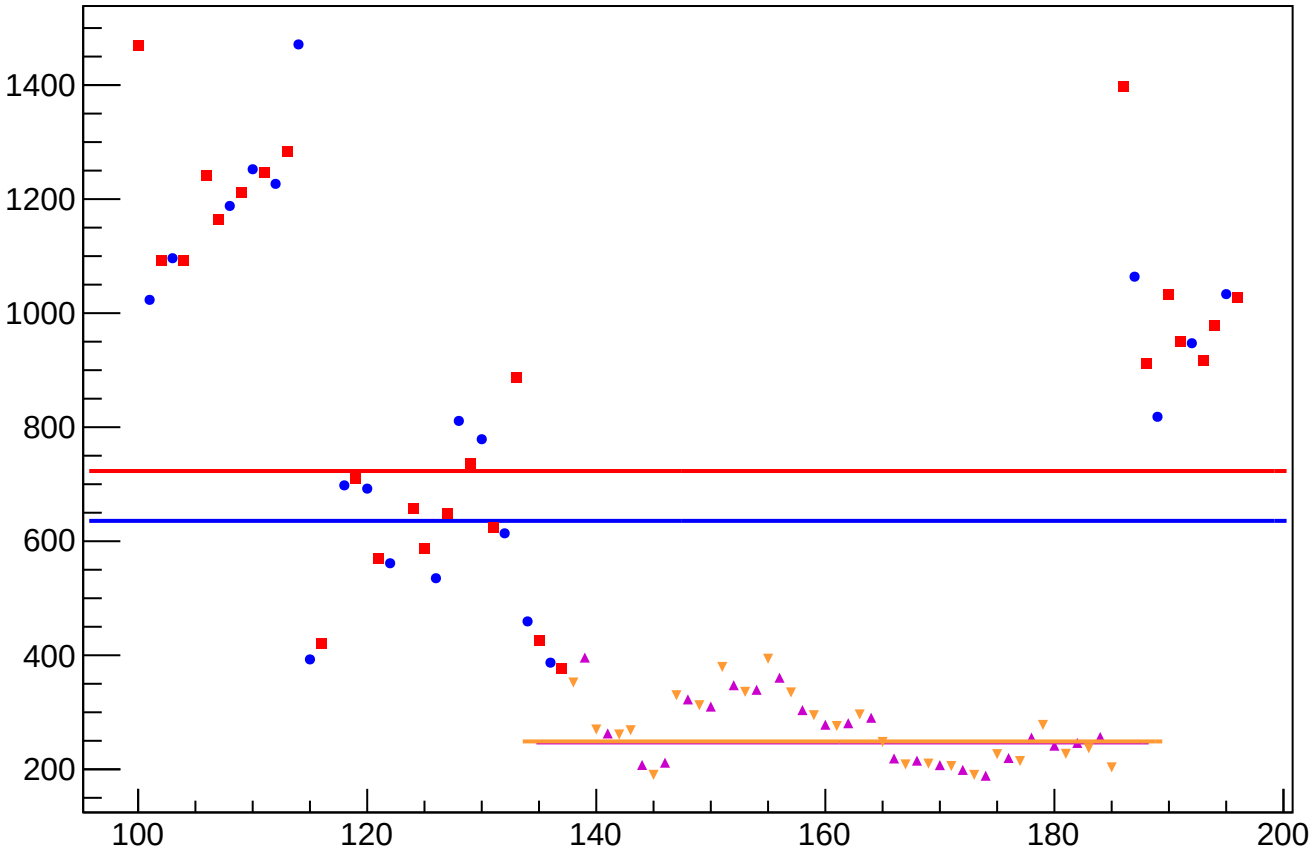
Right Out: -417.242+/-224.938 χ^2/NDF: 16.5/25

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.143+/-56.113 χ^2/NDF: 86.8/44

All: -172.216+/-40.061 χ^2/NDF: 139.8/93

- sign -62.093+/-57.214 χ^2/NDF: 45.8/48



Right In: 635.704+/-0.156 χ^2/NDF: 2719233.0/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 723.150+/-0.159 χ^2/NDF: 2934505.1/25

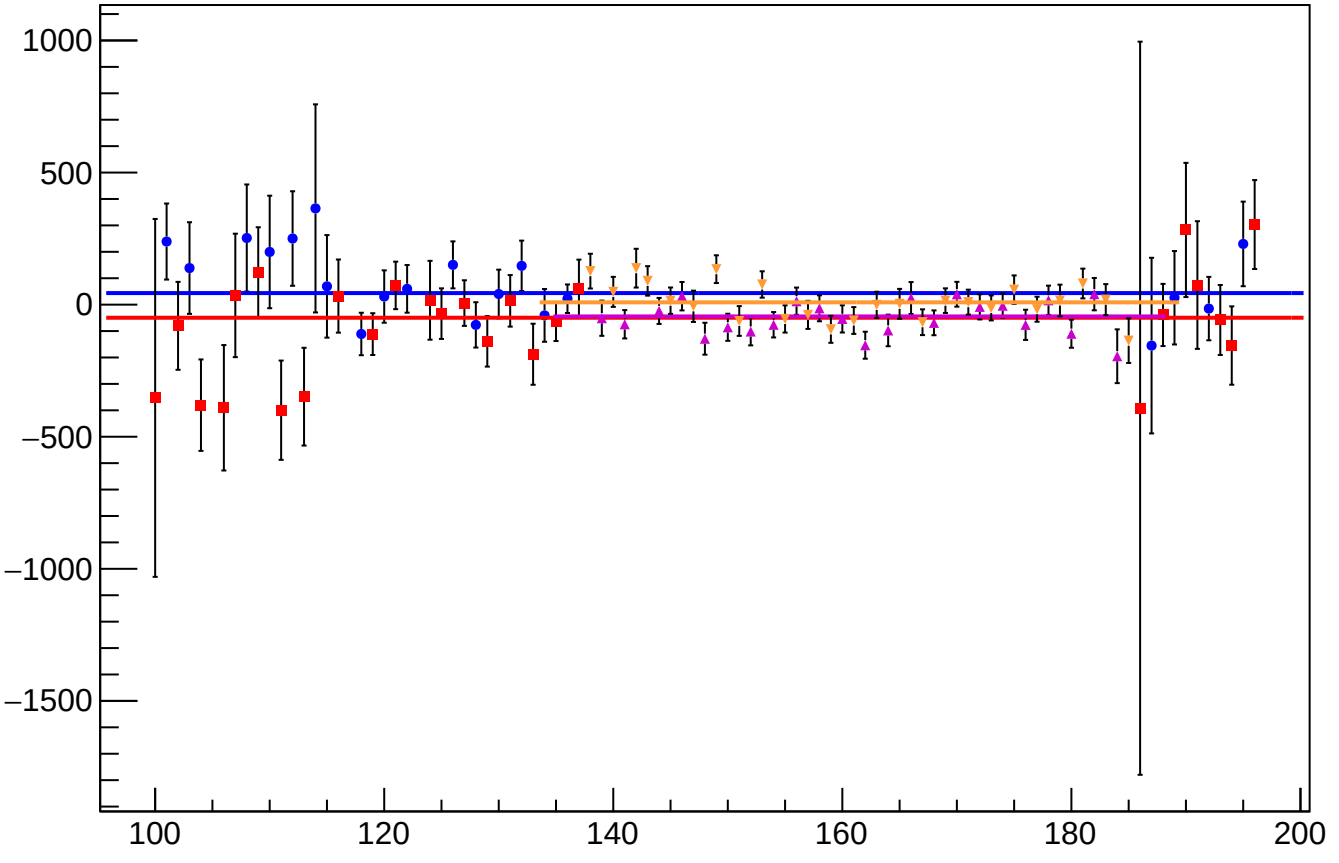
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160842.3/44

All: 275.937+/-0.028 χ^2/NDF: 22962560.9/93

- sign 277.907+/-0.040 χ^2/NDF: 12797066.3/48

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.784+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.554+/-24.803 χ^2/NDF: 27.4/25

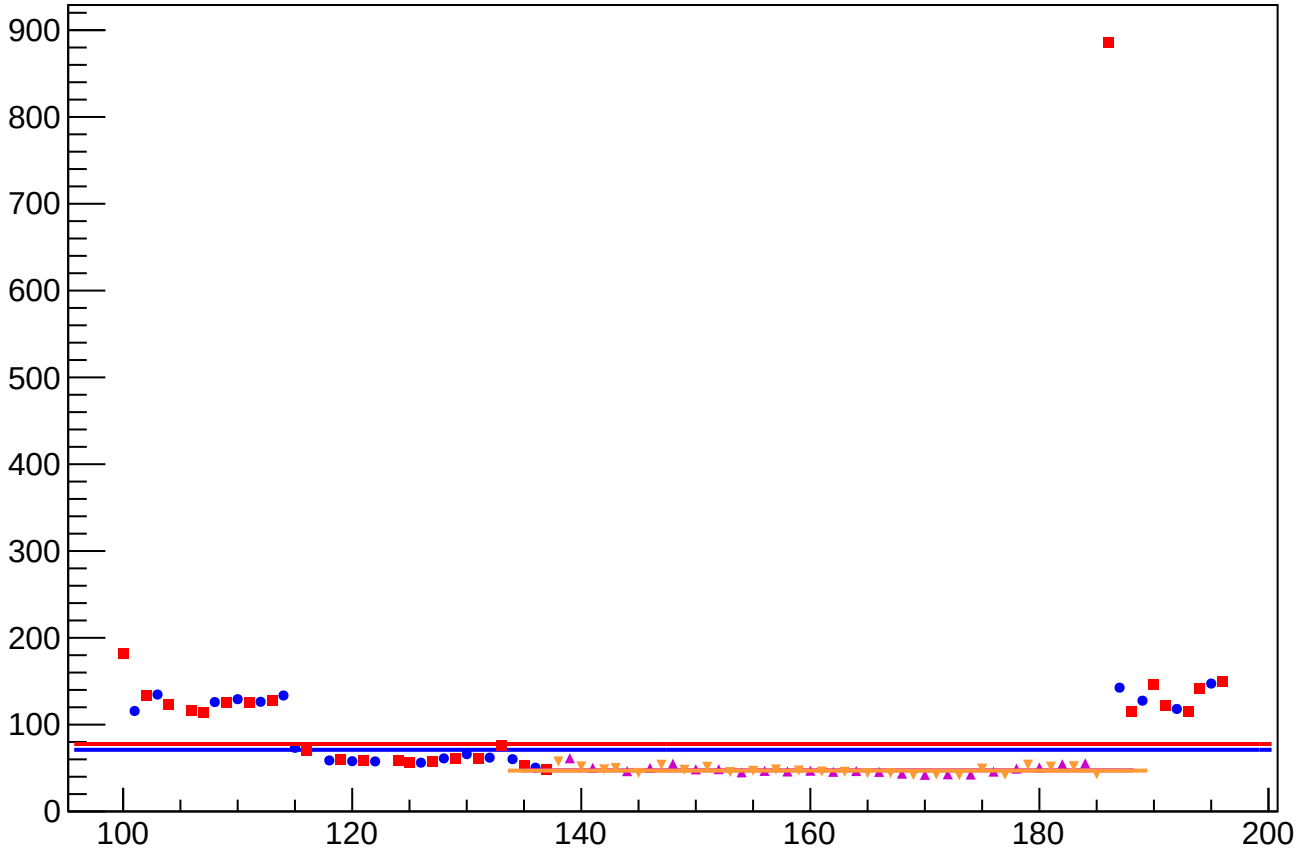
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.396+/-9.865 χ^2/NDF: 53.2/44

All: -14.587+/-7.080 χ^2/NDF: 125.5/93

- sign -45.383+/-10.169 χ^2/NDF: 54.5/48

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 70.997+/-0.017 χ^2/NDF: 2607022.5/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

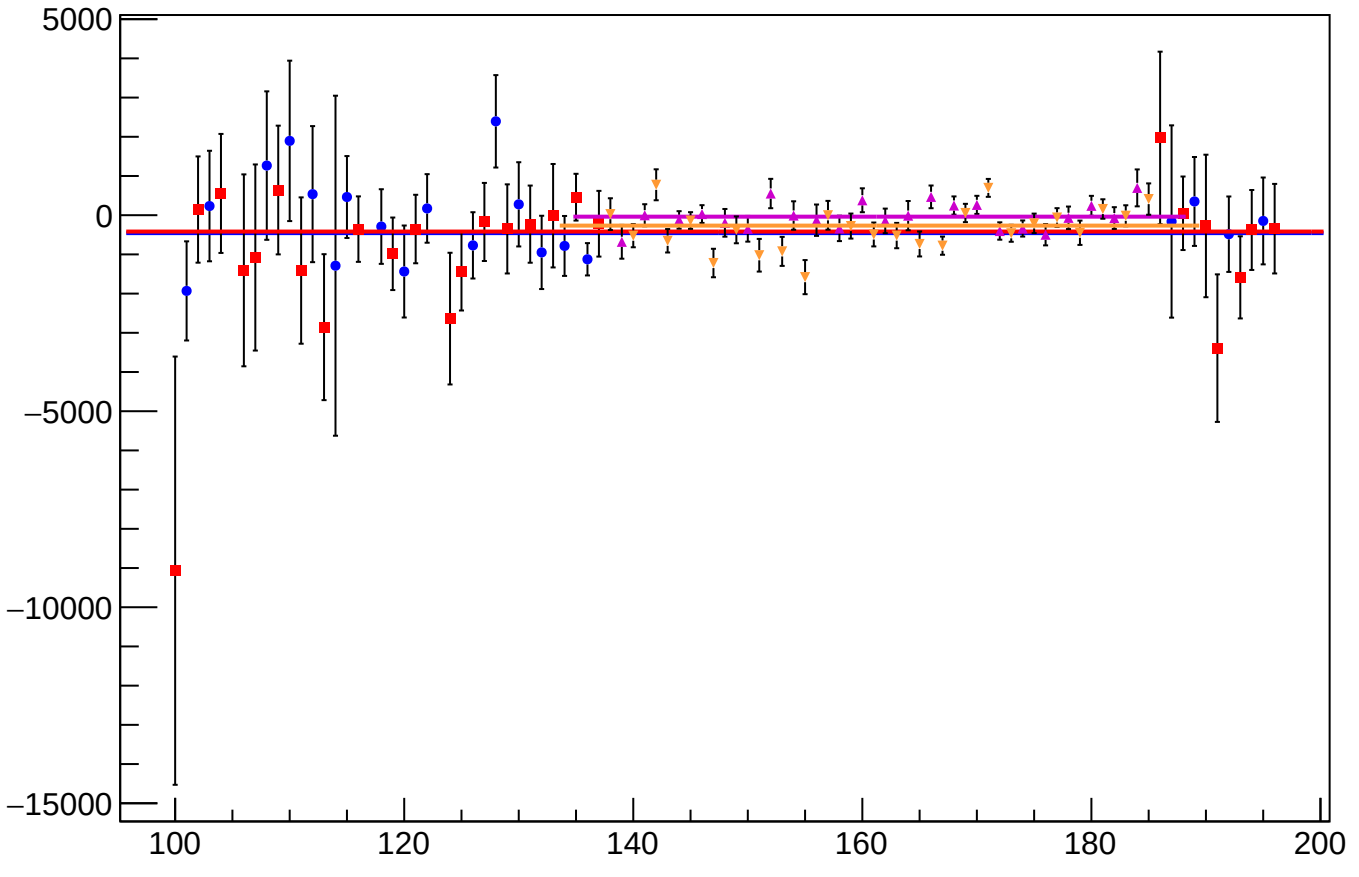
Right Out: 77.697+/-0.018 χ^2/NDF: 3855290.0/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484411.3/44

All: 51.674+/-0.005 χ^2/NDF: 11120308.2/93

- sign 52.479+/-0.007 χ^2/NDF: 6611574.9/48



Right In: -457.347+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

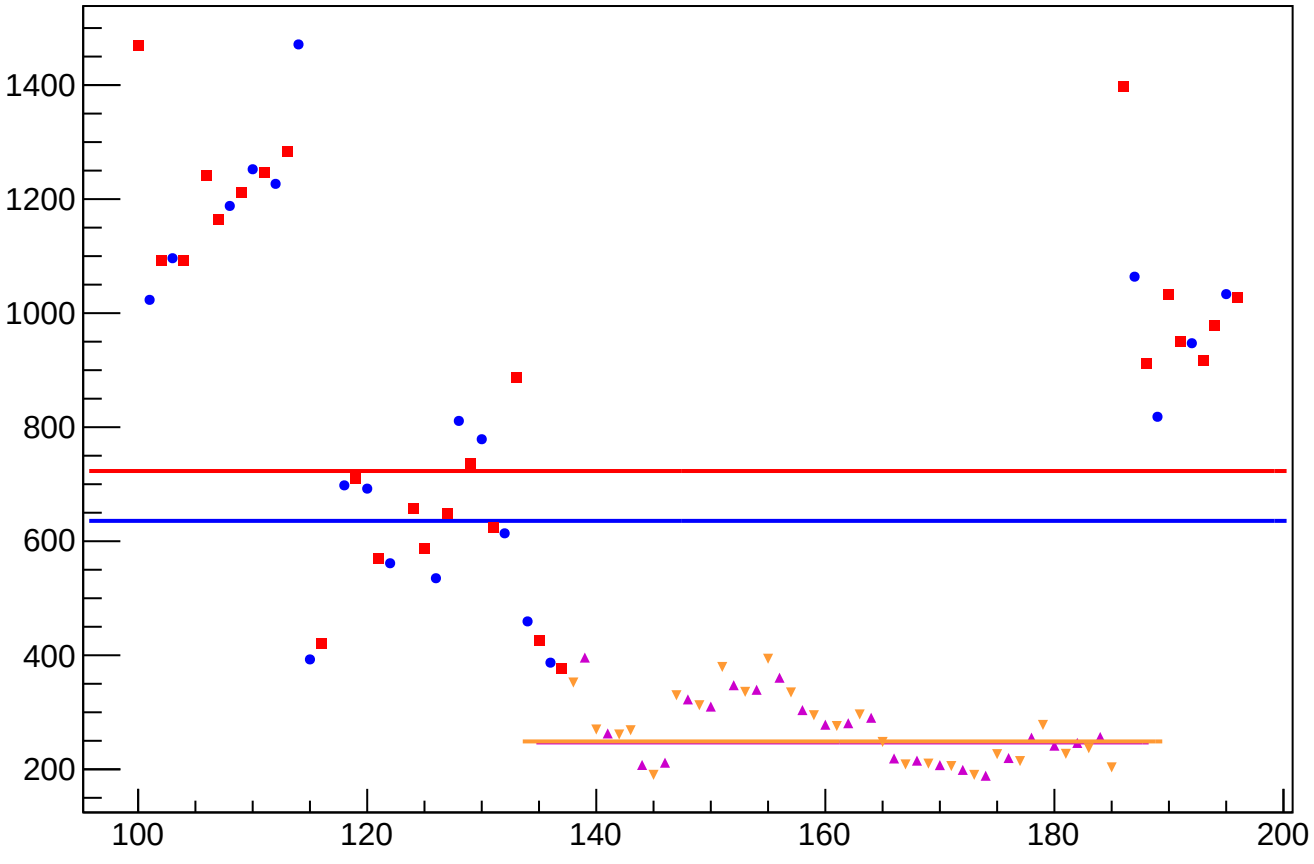
Right Out: -417.242+/-224.938 χ^2/NDF: 16.5/25

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.143+/-56.113 χ^2/NDF: 86.8/44

All: -172.216+/-40.061 χ^2/NDF: 139.8/93

- sign -62.093+/-57.214 χ^2/NDF: 45.8/48



Right In: 635.704+/-0.156 χ^2/NDF: 2719233.0/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 723.150+/-0.159 χ^2/NDF: 2934505.1/25

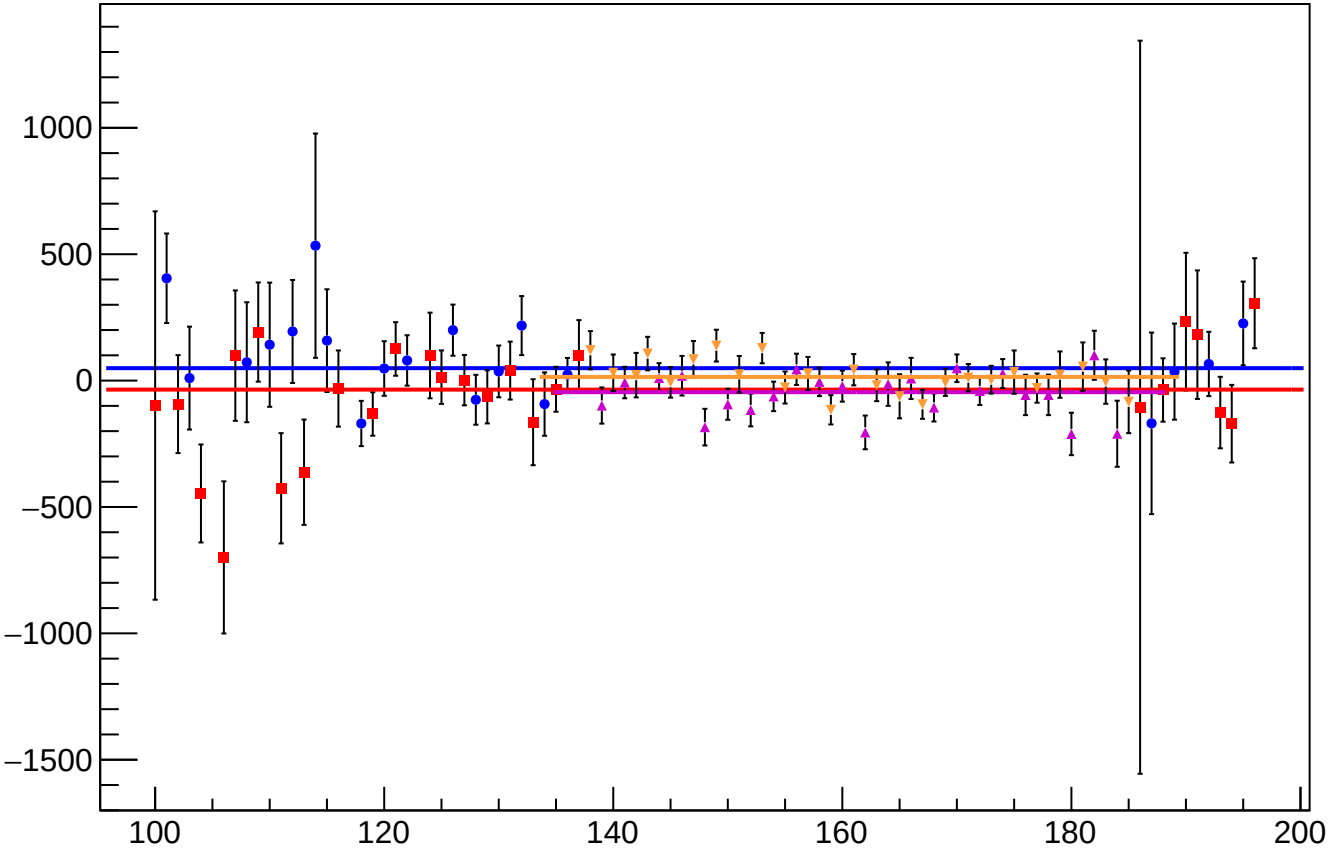
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160842.3/44

All: 275.937+/-0.028 χ^2/NDF: 22962560.9/93

- sign 277.907+/-0.040 χ^2/NDF: 12797066.3/48

dit_asym_sam_1526_avg_mean vs Slug



Right In: 49.208+/-28.267 χ^2/NDF: 21.2/19

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -35.699+/-28.385 χ^2/NDF: 29.9/25

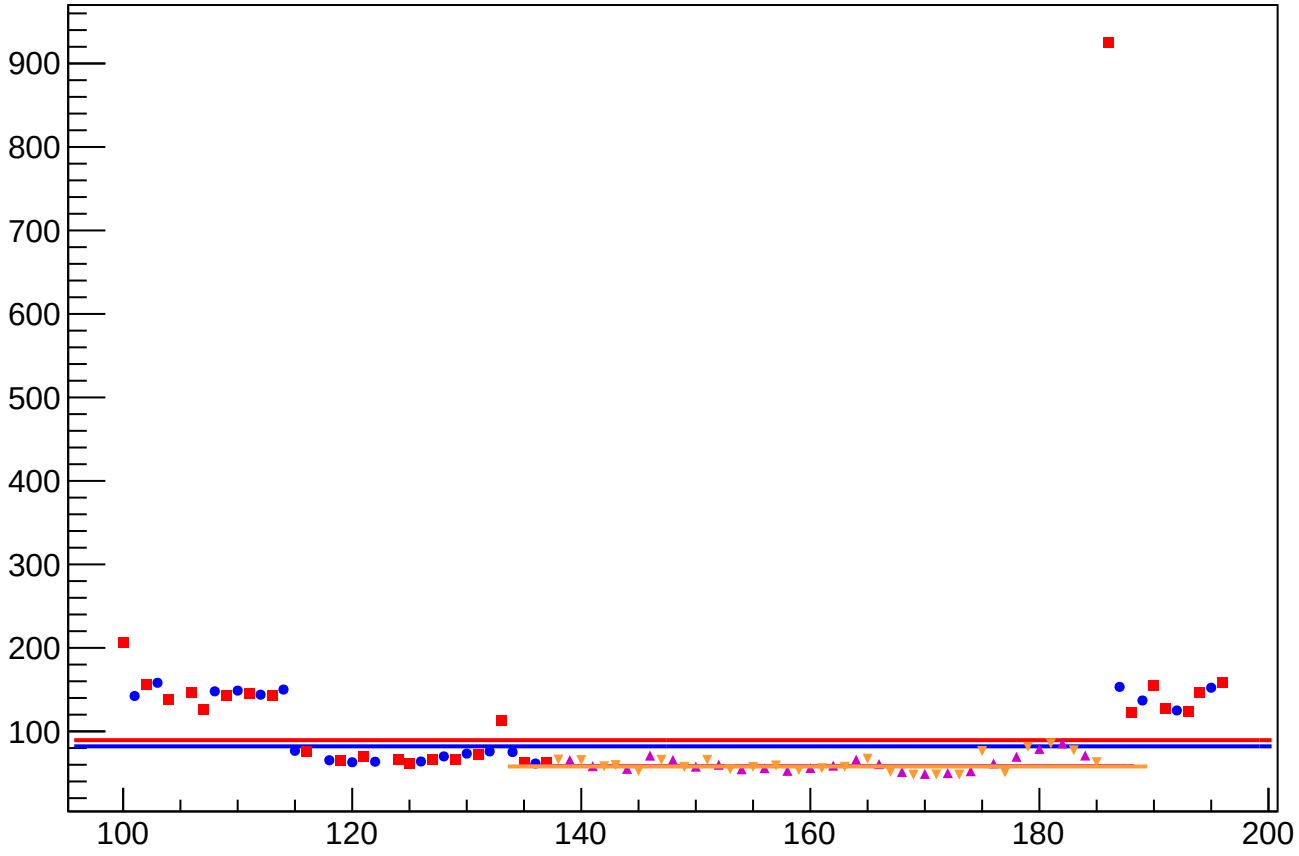
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.909+/-12.148 χ^2/NDF: 46.9/44

All: -10.528+/-8.714 χ^2/NDF: 121.5/93

- sign -43.844+/-12.506 χ^2/NDF: 60.7/48

dit_asym_sam_1526_avg_rms vs Slug



Right In: 82.061+/-0.020 χ^2/NDF: 2393469.4/19

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

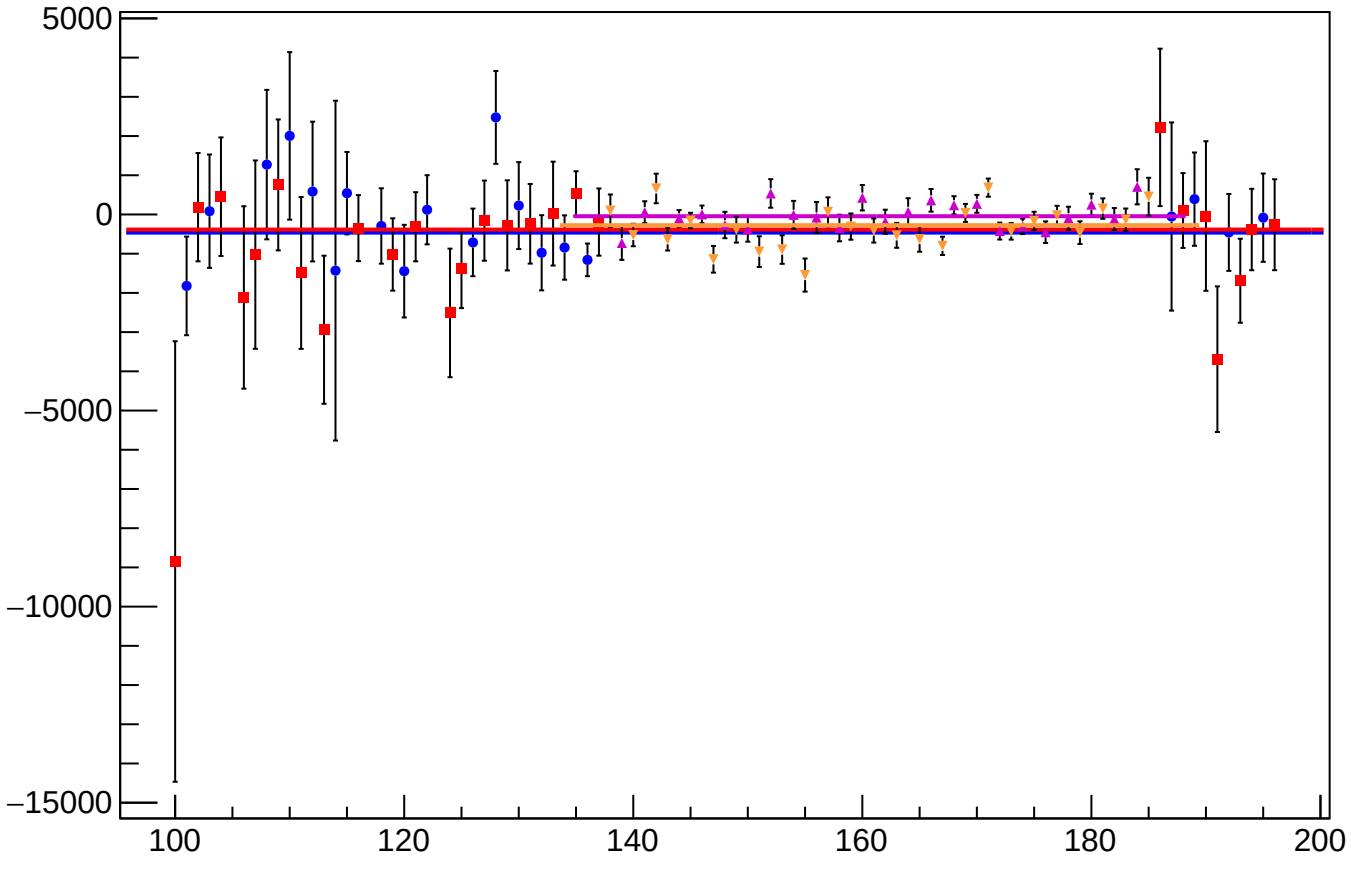
Right Out: 89.474+/-0.020 χ^2/NDF: 3543673.8/25

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 62.416+/-0.009 χ^2/NDF: 4475301.8/44

All: 63.426+/-0.006 χ^2/NDF: 10619112.8/93

- sign 64.496+/-0.009 χ^2/NDF: 6115353.9/48



Right In: -462.210+/-224.280 χ^2/NDF: 16.5/19

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -384.692+/-225.645 χ^2/NDF: 18.6/25

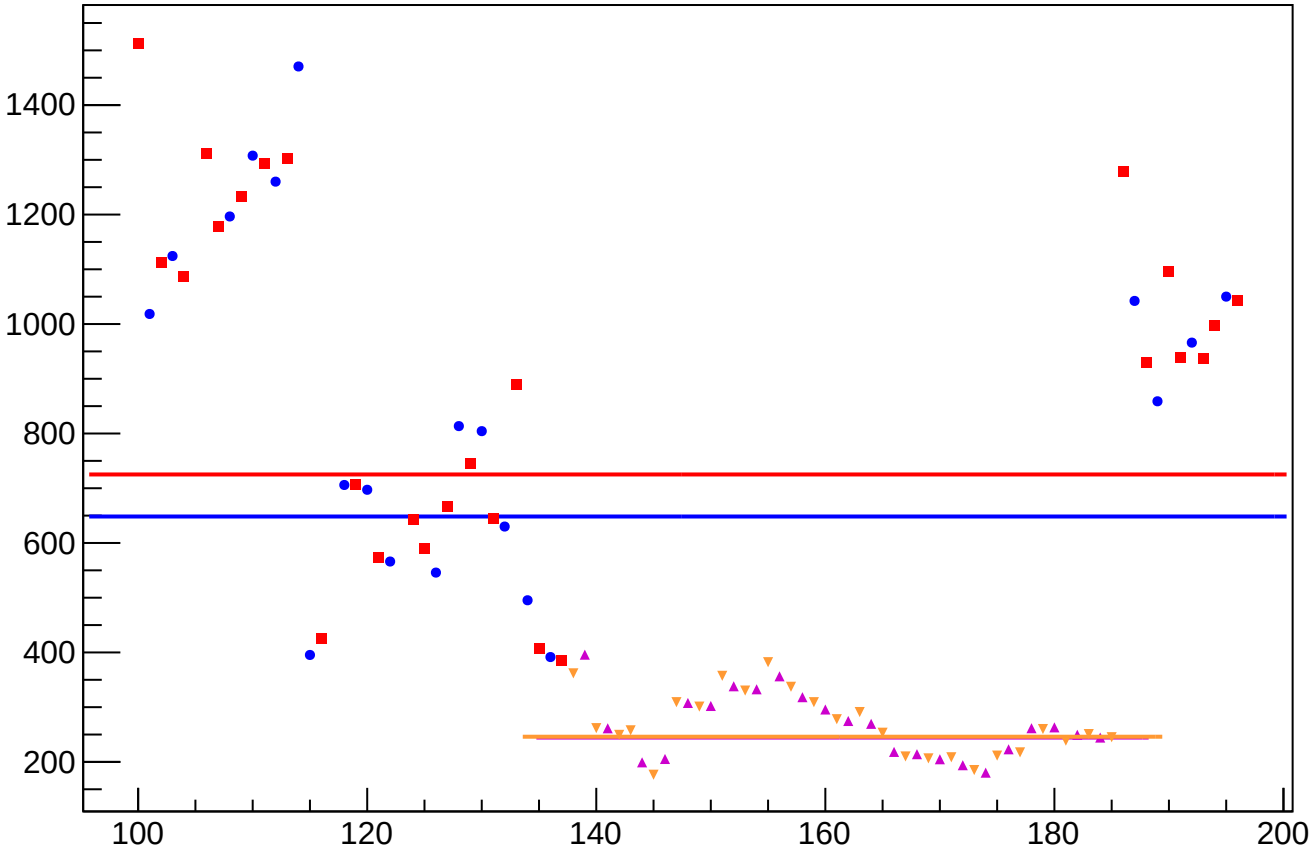
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.127+/-55.493 χ^2/NDF: 82.9/44

All: -177.496+/-39.670 χ^2/NDF: 137.7/93

- sign -66.054+/-56.731 χ^2/NDF: 47.2/48

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 648.362+/-0.159 χ^2/NDF: 2715573.4/19

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 725.164+/-0.160 χ^2/NDF: 3106382.7/25

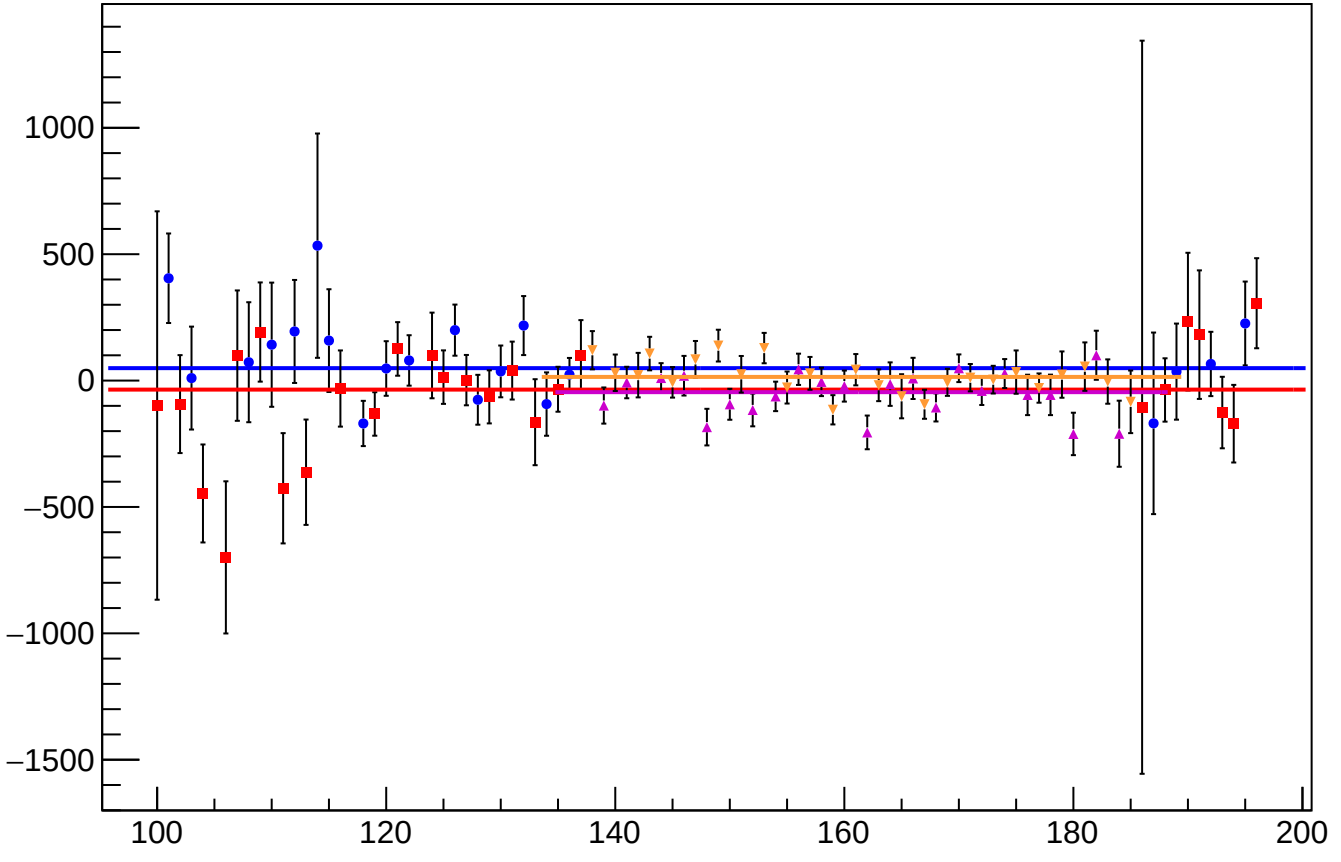
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 270.649+/-0.039 χ^2/NDF: 10438559.0/44

All: 272.696+/-0.028 χ^2/NDF: 23650927.4/93

- sign 274.837+/-0.040 χ^2/NDF: 13206798.2/48

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 49.209+/-28.266 χ^2/NDF: 21.2/19

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -35.698+/-28.385 χ^2/NDF: 29.9/25

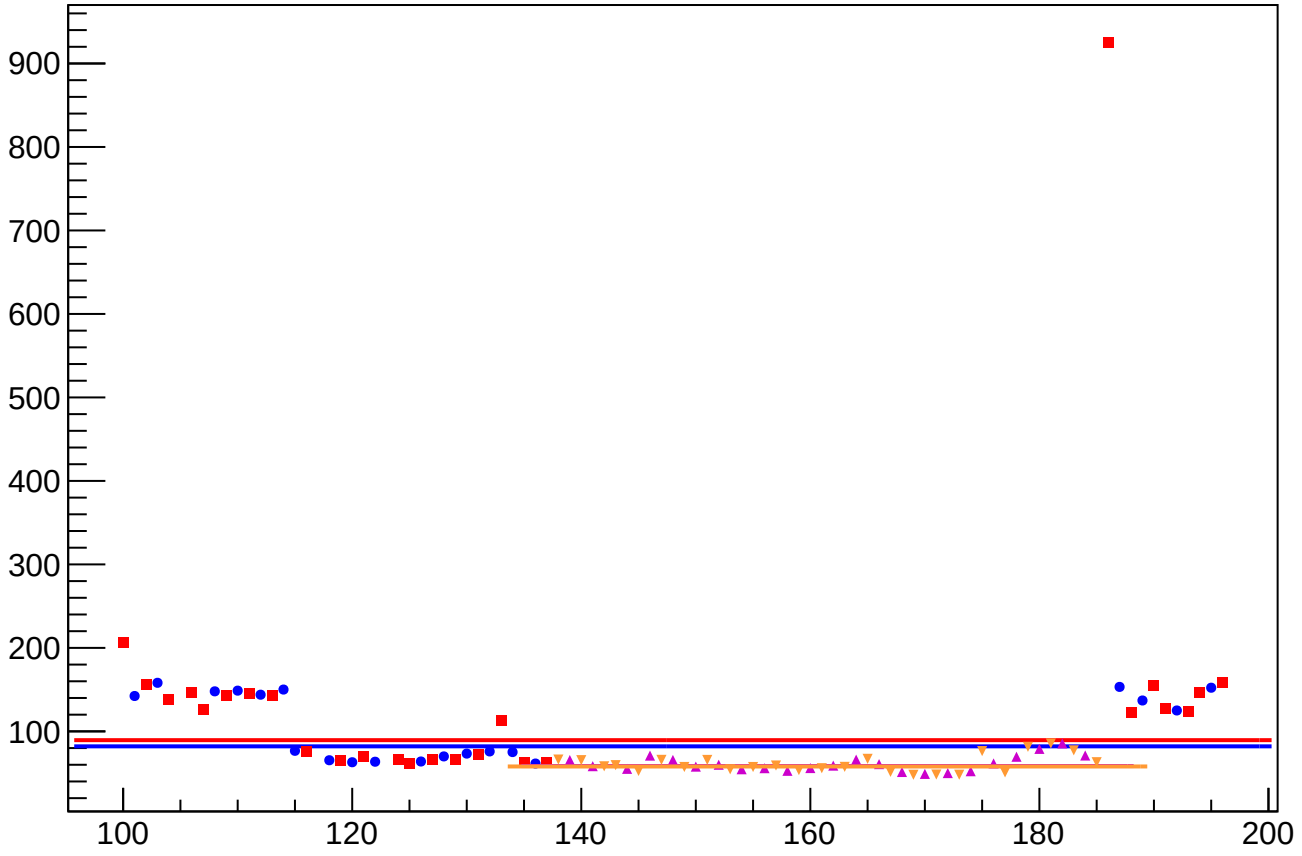
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.909+/-12.148 χ^2/NDF: 46.9/44

All: -10.527+/-8.714 χ^2/NDF: 121.5/93

- sign -43.843+/-12.506 χ^2/NDF: 60.7/48

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 82.061+/-0.020 χ^2/NDF: 2393464.1/19

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

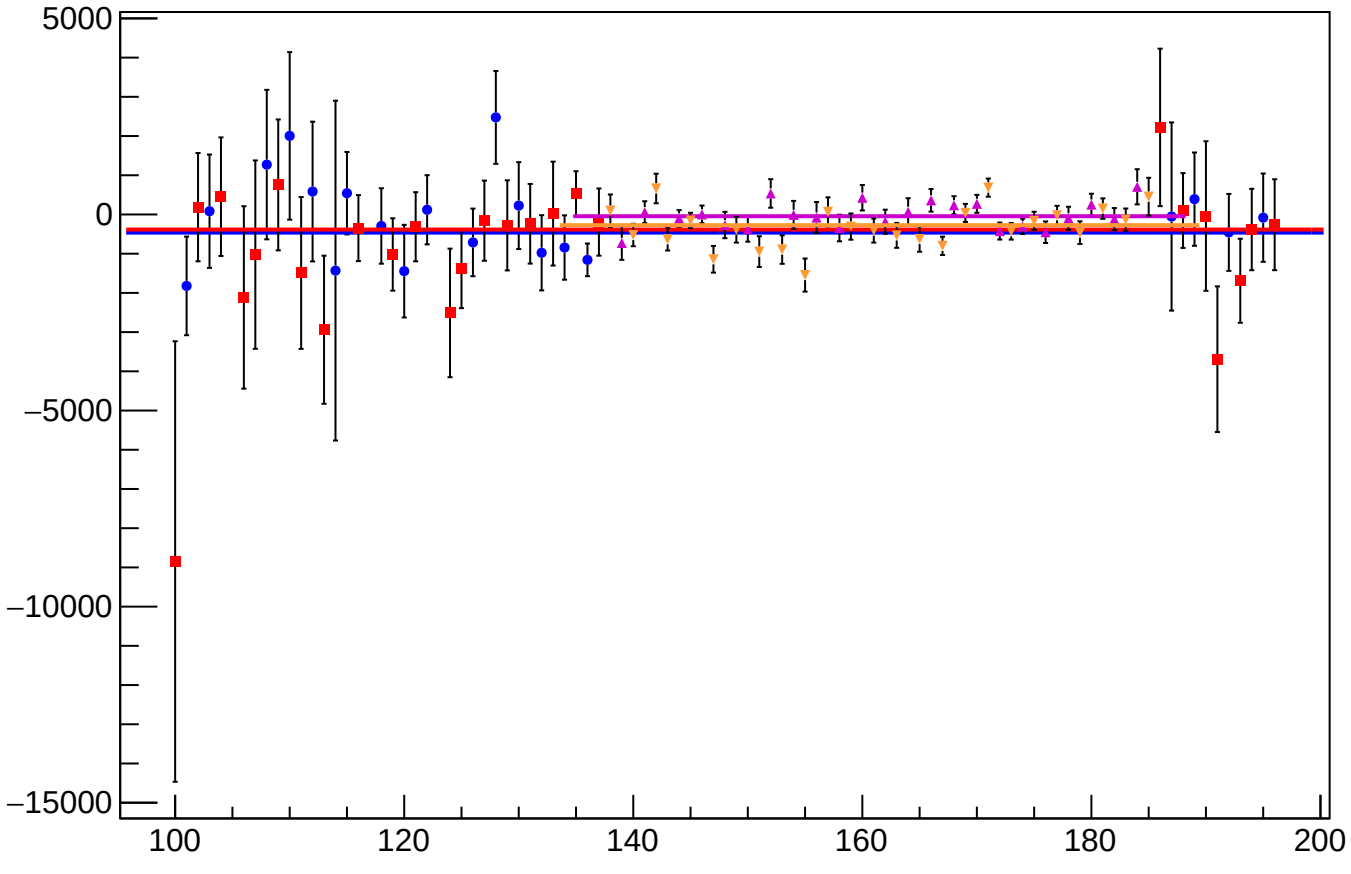
Right Out: 89.474+/-0.020 χ^2/NDF: 3543677.3/25

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 62.416+/-0.009 χ^2/NDF: 4475267.4/44

All: 63.426+/-0.006 χ^2/NDF: 10619024.9/93

- sign 64.496+/-0.009 χ^2/NDF: 6115298.3/48



Right In: -462.208+/-224.279 χ^2/NDF: 16.5/19

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

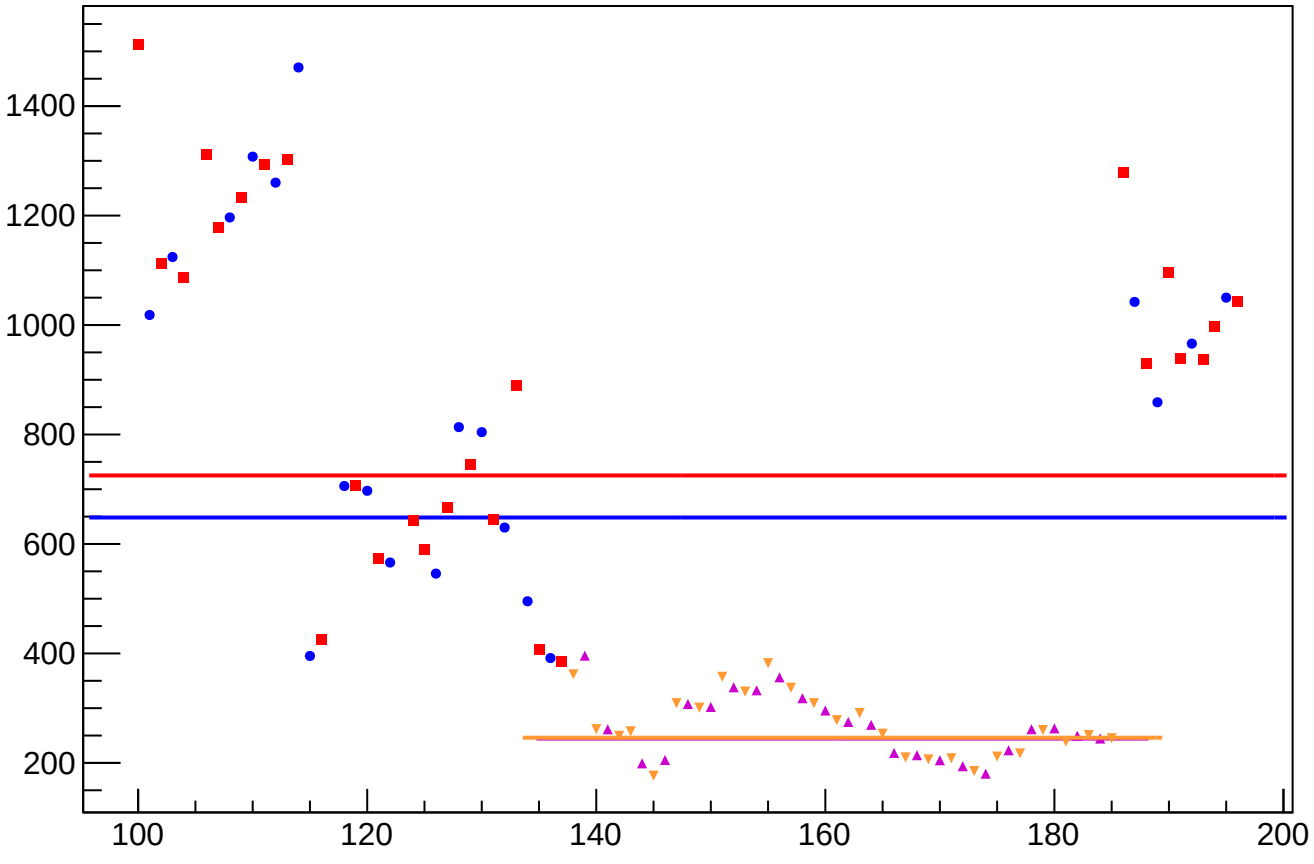
Right Out: -384.693+/-225.645 χ^2/NDF: 18.6/25

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.126+/-55.493 χ^2/NDF: 82.9/44

All: -177.495+/-39.670 χ^2/NDF: 137.7/93

- sign -66.053+/-56.731 χ^2/NDF: 47.2/48



Right In: 648.361+/-0.159 χ^2/NDF: 2715557.2/19

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 725.164+/-0.160 χ^2/NDF: 3106365.4/25

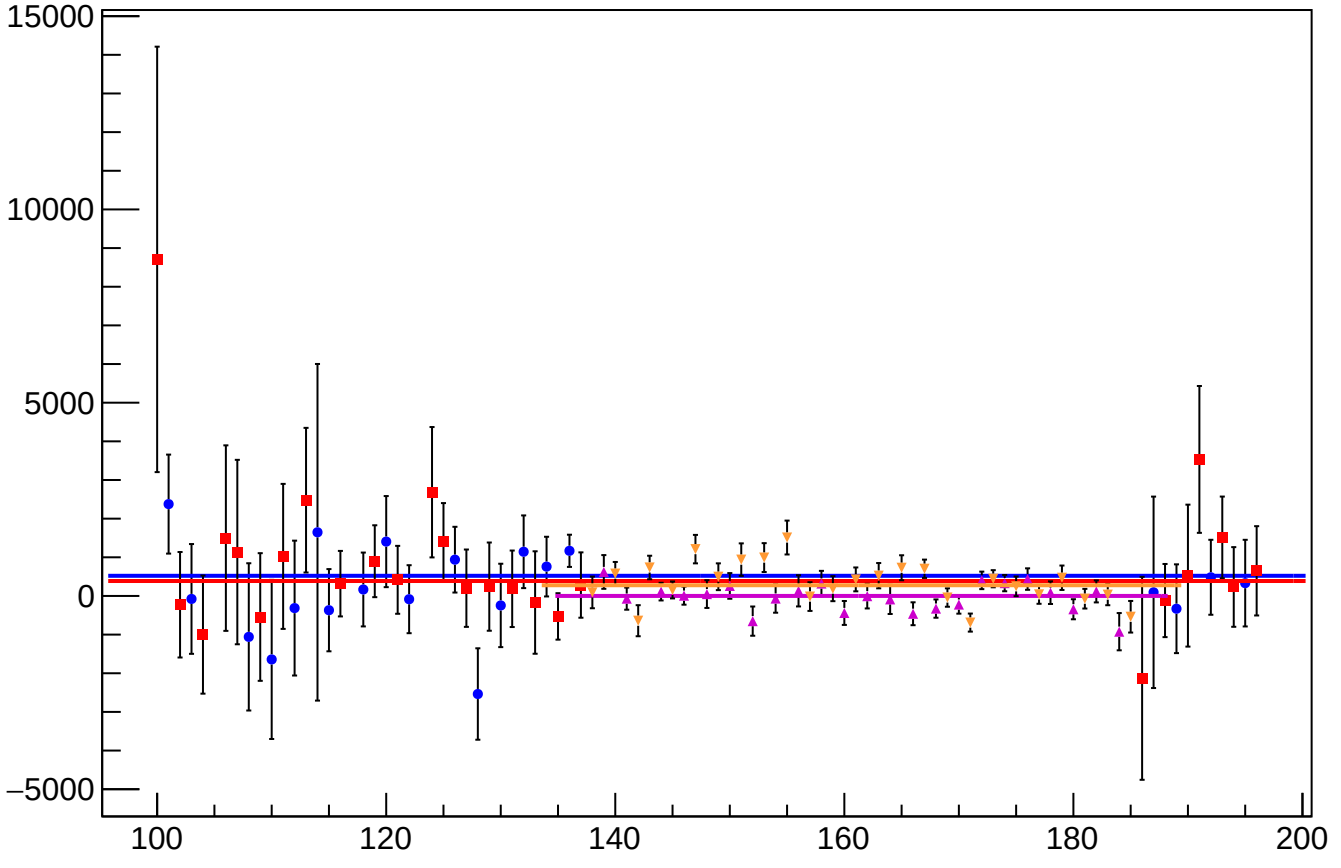
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 270.648+/-0.039 χ^2/NDF: 10438556.2/44

All: 272.696+/-0.028 χ^2/NDF: 23650906.6/93

- sign 274.836+/-0.040 χ^2/NDF: 13206779.7/48

asym_sam_1526_avg_mean vs Slug



Right In: 521.550+/-221.953 χ^2/NDF: 17.2/19

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 386.623+/-226.931 χ^2/NDF: 16.3/25

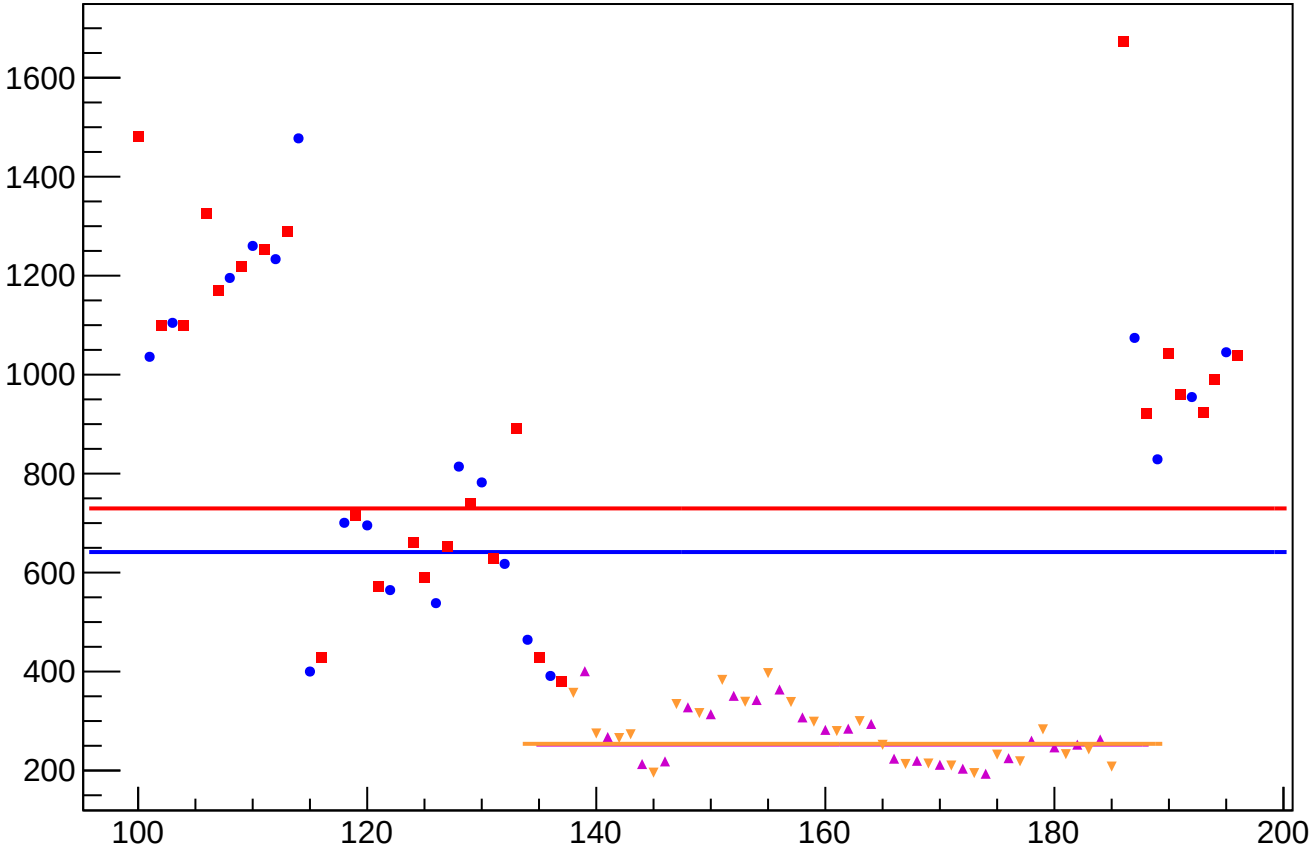
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 293.288+/-57.154 χ^2/NDF: 82.4/44

All: 162.392+/-40.823 χ^2/NDF: 140.2/93

- sign 26.061+/-58.328 χ^2/NDF: 47.1/48

asym_sam_1526_avg_rms vs Slug



Right In: 641.480+/-0.157 χ^2/NDF: 2704192.7/19

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

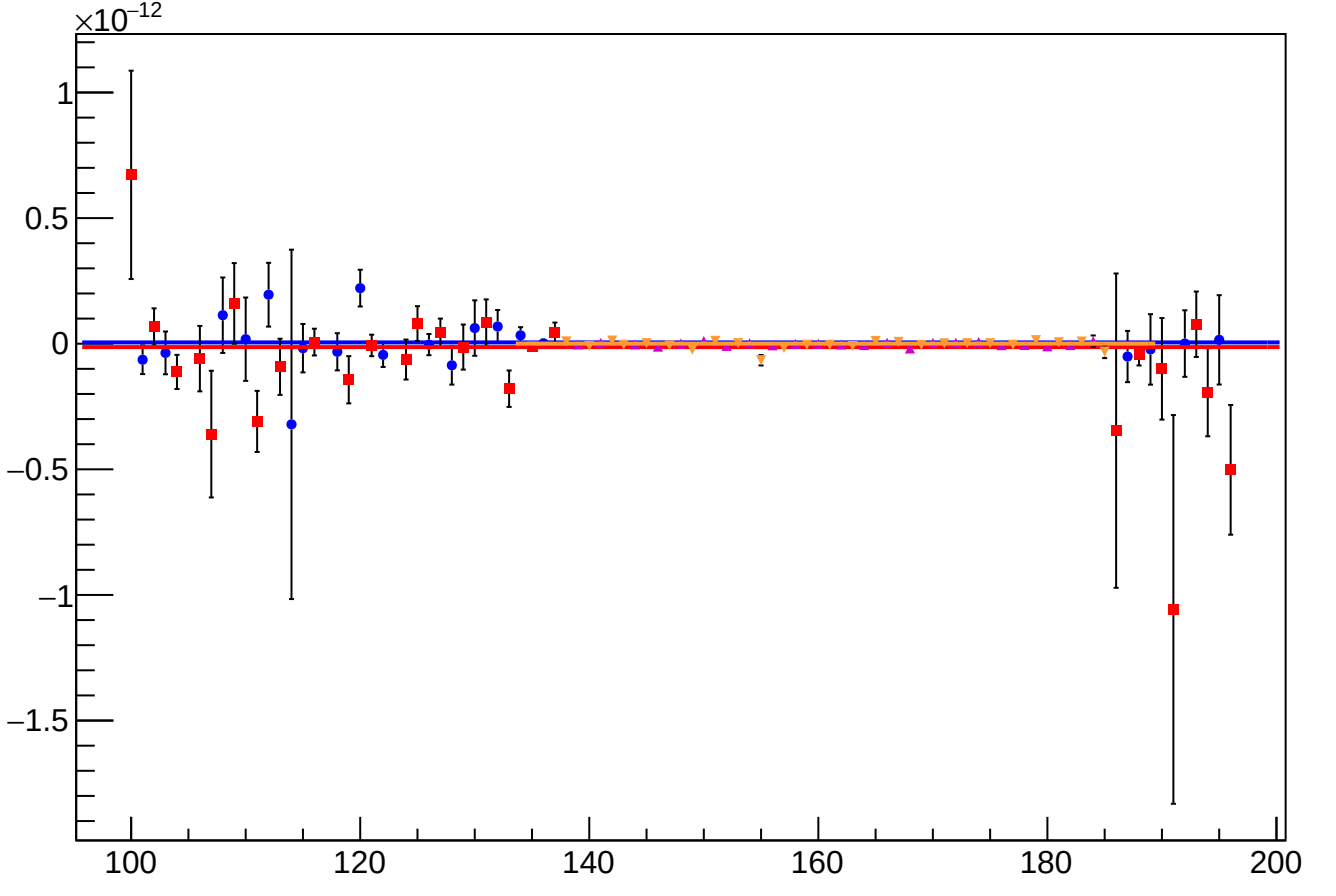
Right Out: 729.650+/-0.160 χ^2/NDF: 3033955.8/25

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 279.650+/-0.040 χ^2/NDF: 9987622.3/44

All: 281.742+/-0.029 χ^2/NDF: 22700886.9/93

- sign 283.920+/-0.041 χ^2/NDF: 12707795.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

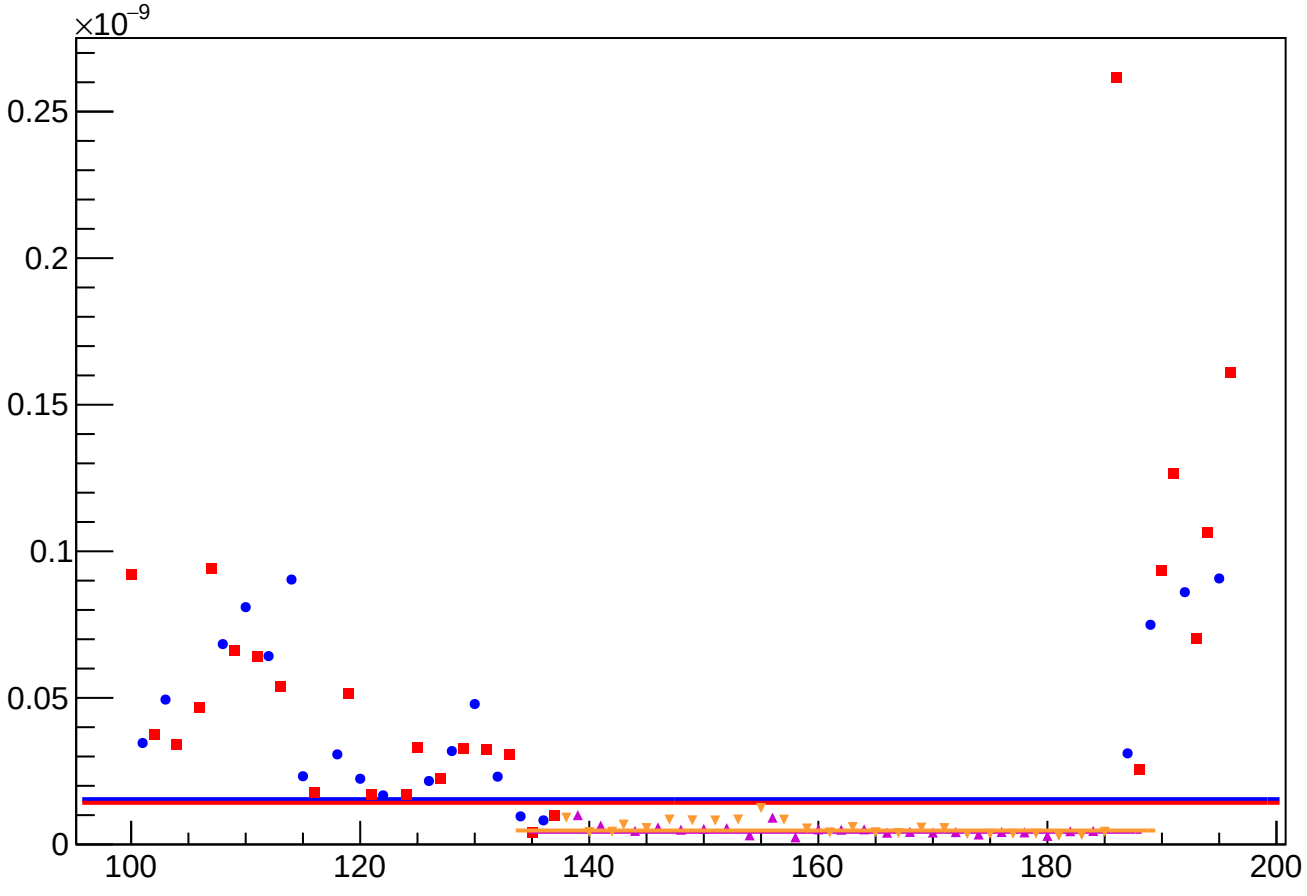
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/25

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/44

All: -0.000+/-0.000 χ^2/NDF: 99.3/93

- sign -0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3853764.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

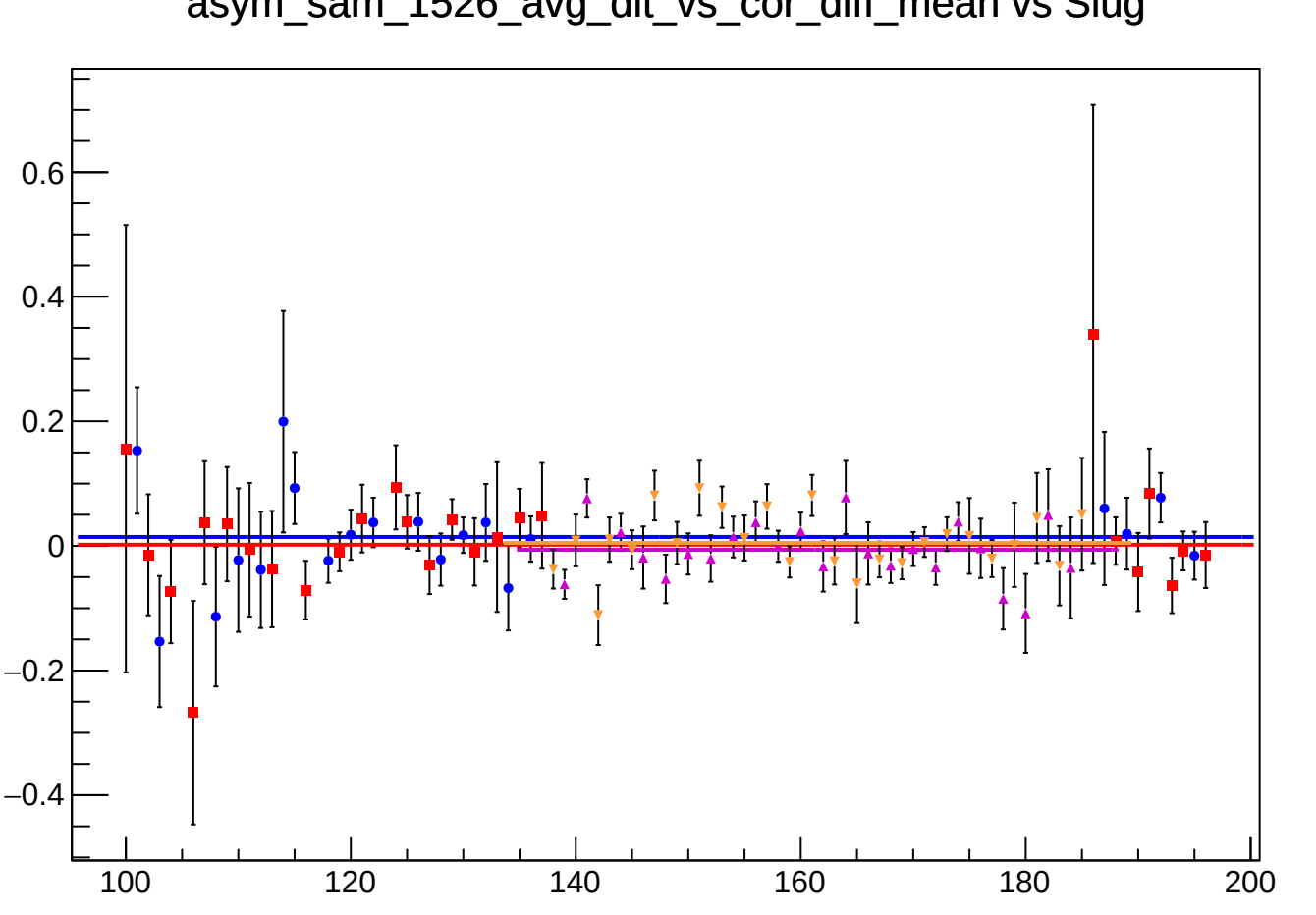
Right Out: 0.000+/-0.000 χ^2/NDF: 5891531.7/25

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7515788.0/44

All: 0.000+/-0.000 χ^2/NDF: 16274818.2/93

- sign 0.000+/-0.000 χ^2/NDF: 8694484.6/48



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

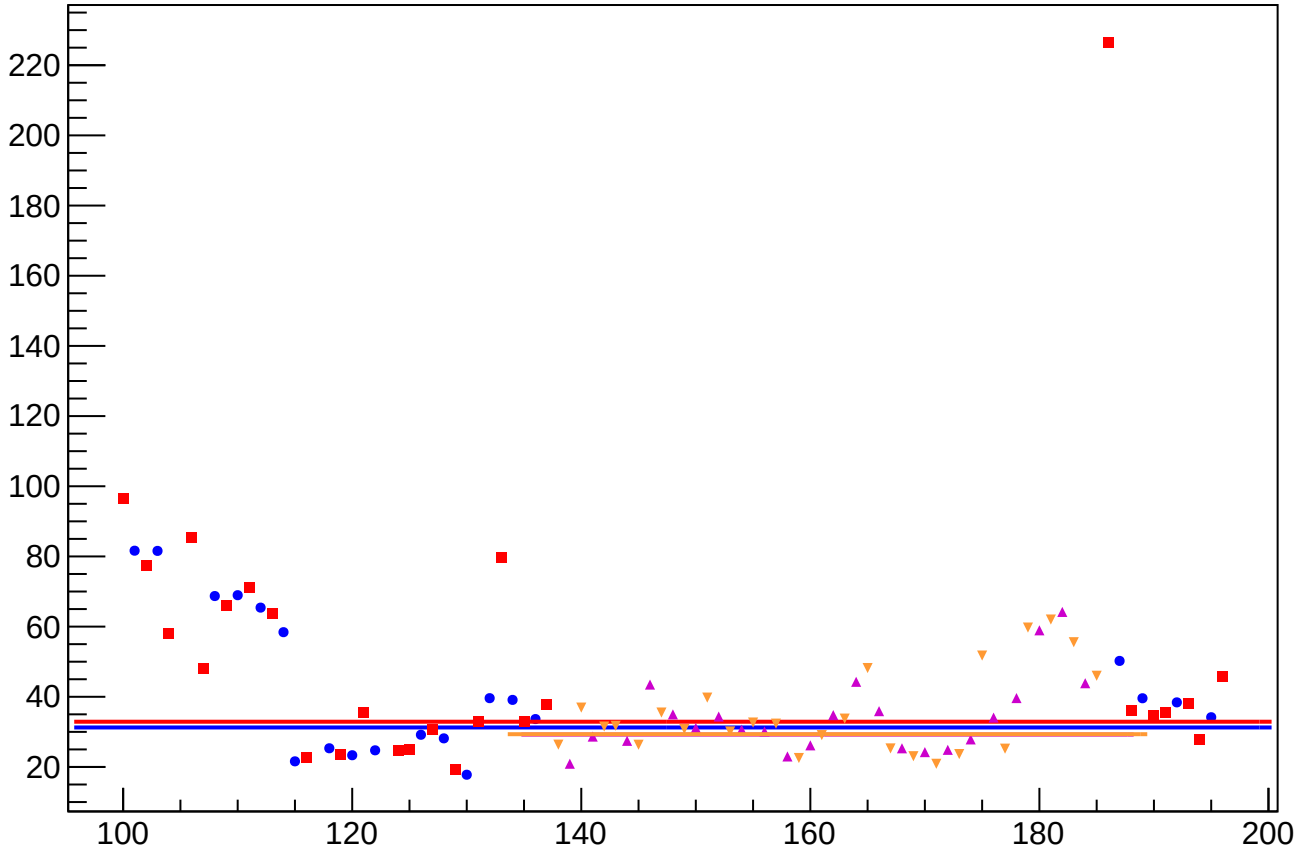
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.8/93

- sign -0.004+/-0.006 χ^2/NDF: 49.1/48

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.256+/-0.008 χ^2/NDF: 2647830.0/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

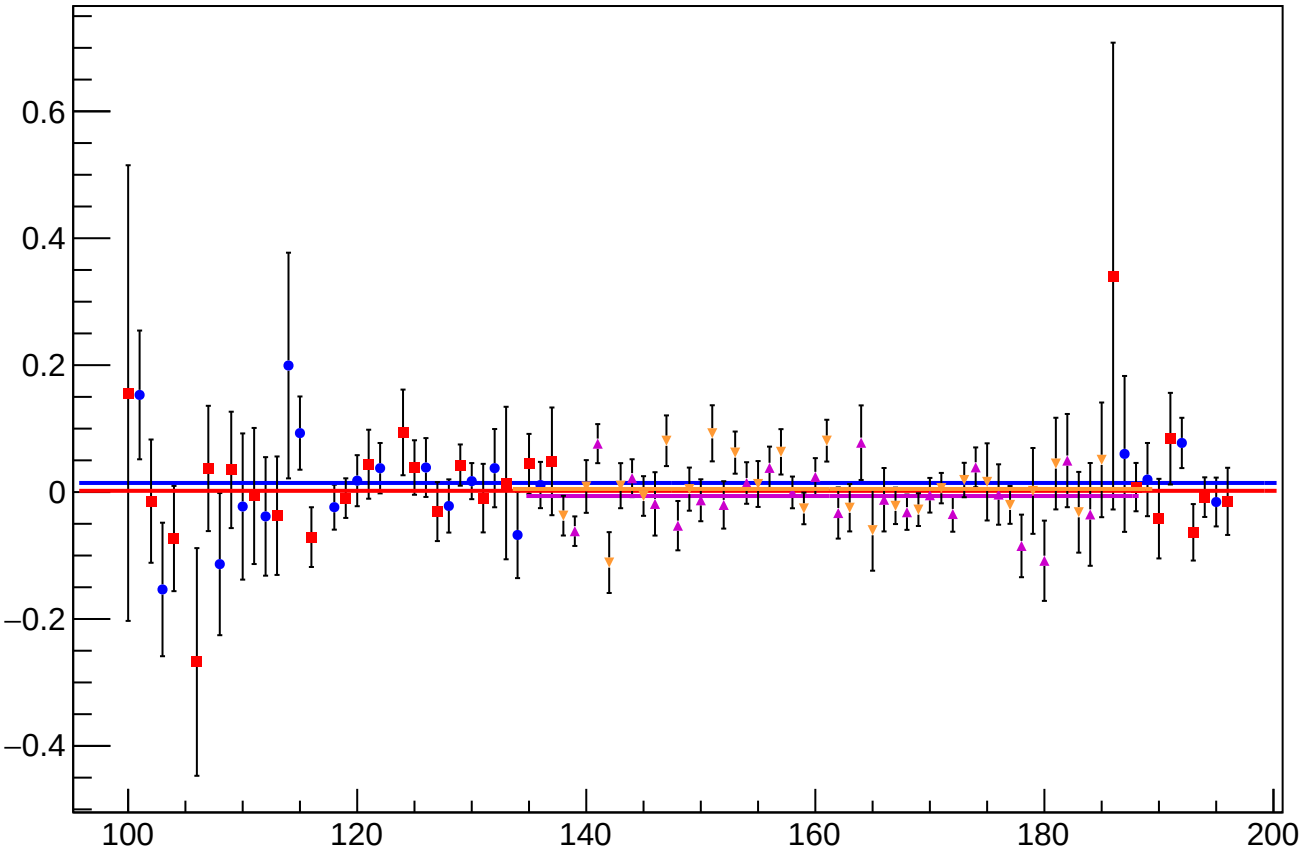
Right Out: 32.895+/-0.008 χ^2/NDF: 3439107.4/25

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.891+/-0.004 χ^2/NDF: 5377028.8/44

All: 30.136+/-0.003 χ^2/NDF: 11081451.9/93

\- sign 30.383+/-0.004 χ^2/NDF: 5697695.7/48



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

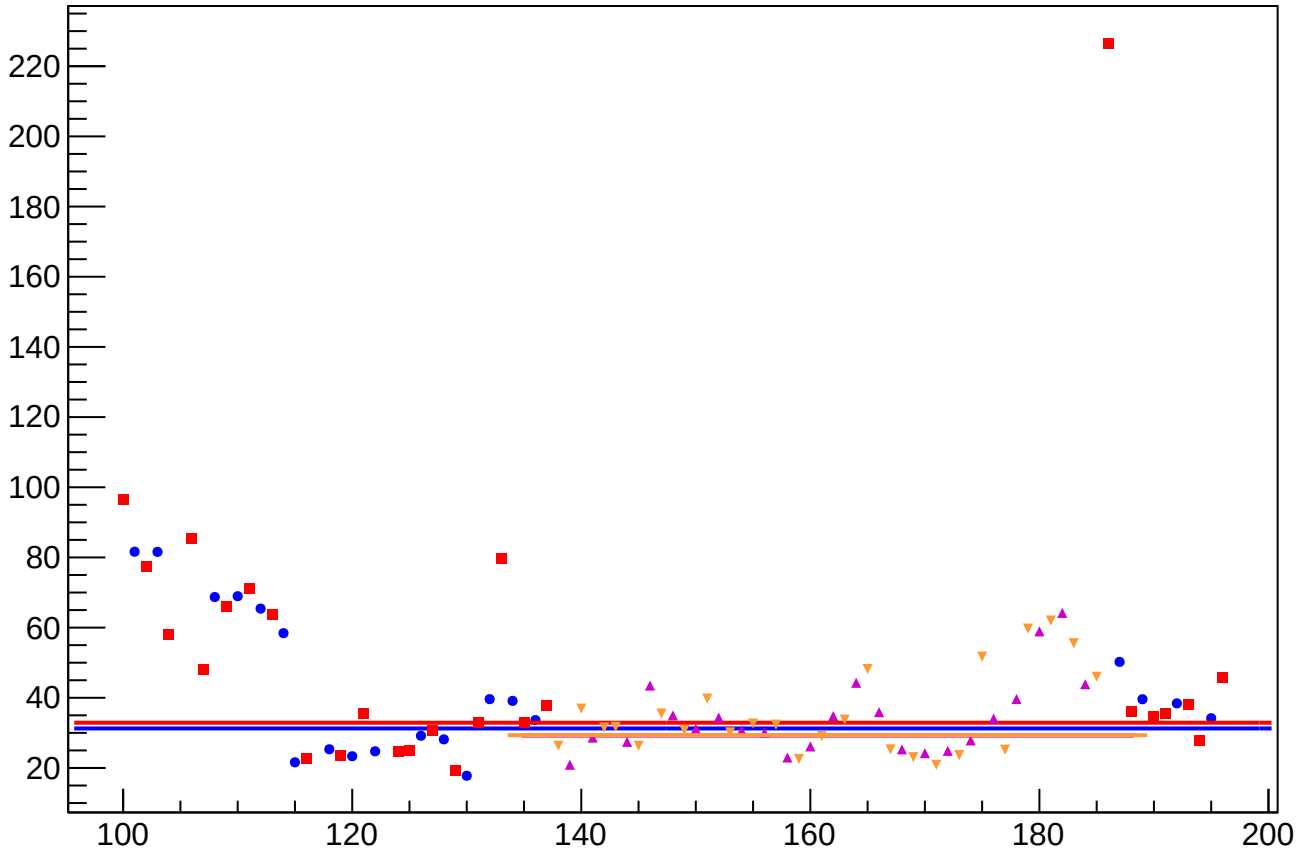
Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.8/93

- sign -0.004+/-0.006 χ^2/NDF: 49.1/48



Right In: 31.256+/-0.008 χ^2/NDF: 2647830.0/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

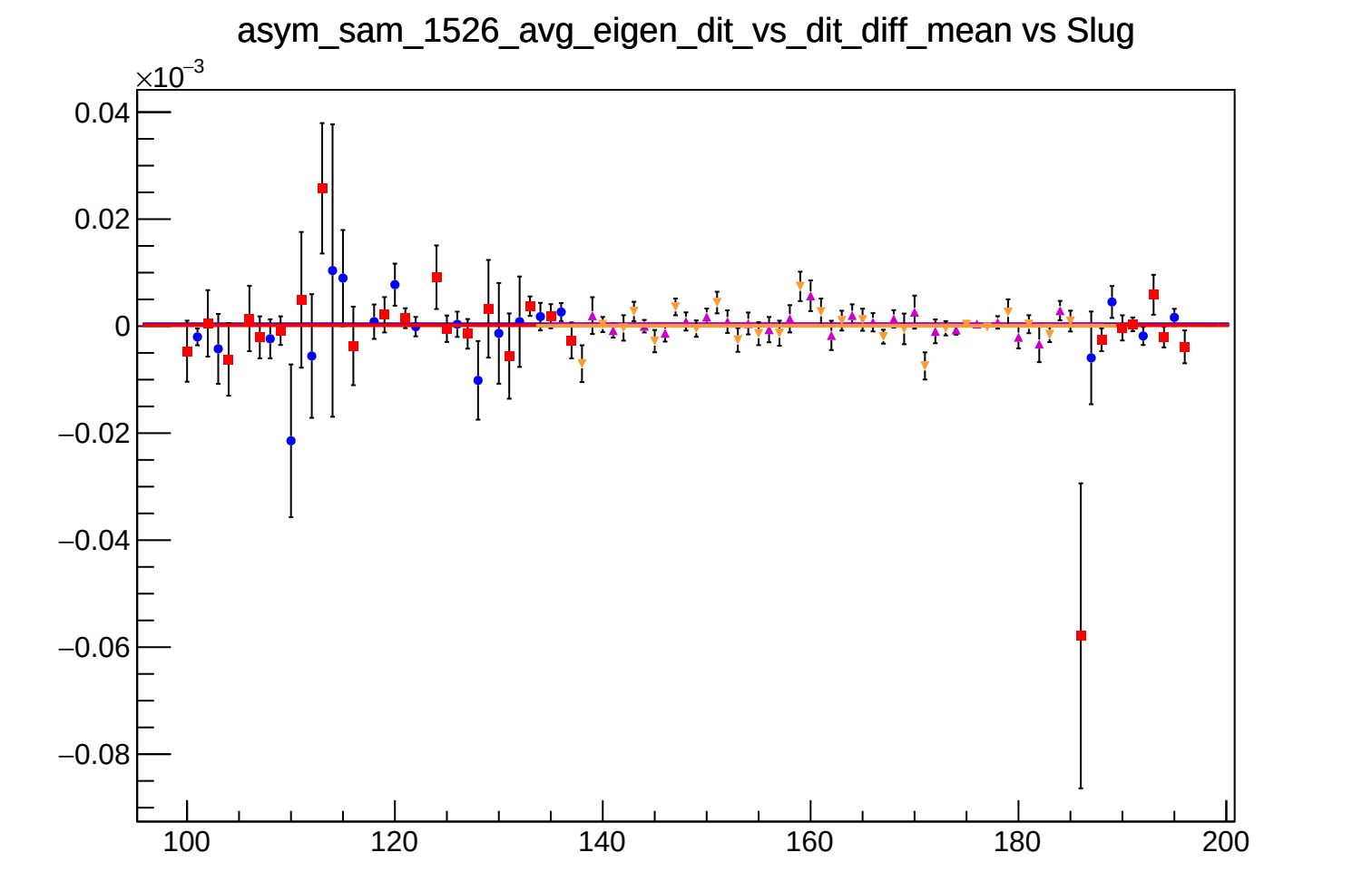
Right Out: 32.895+/-0.008 χ^2/NDF: 3439107.4/25

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.891+/-0.004 χ^2/NDF: 5377028.8/44

All: 30.136+/-0.003 χ^2/NDF: 11081451.9/93

- sign 30.383+/-0.004 χ^2/NDF: 5697695.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

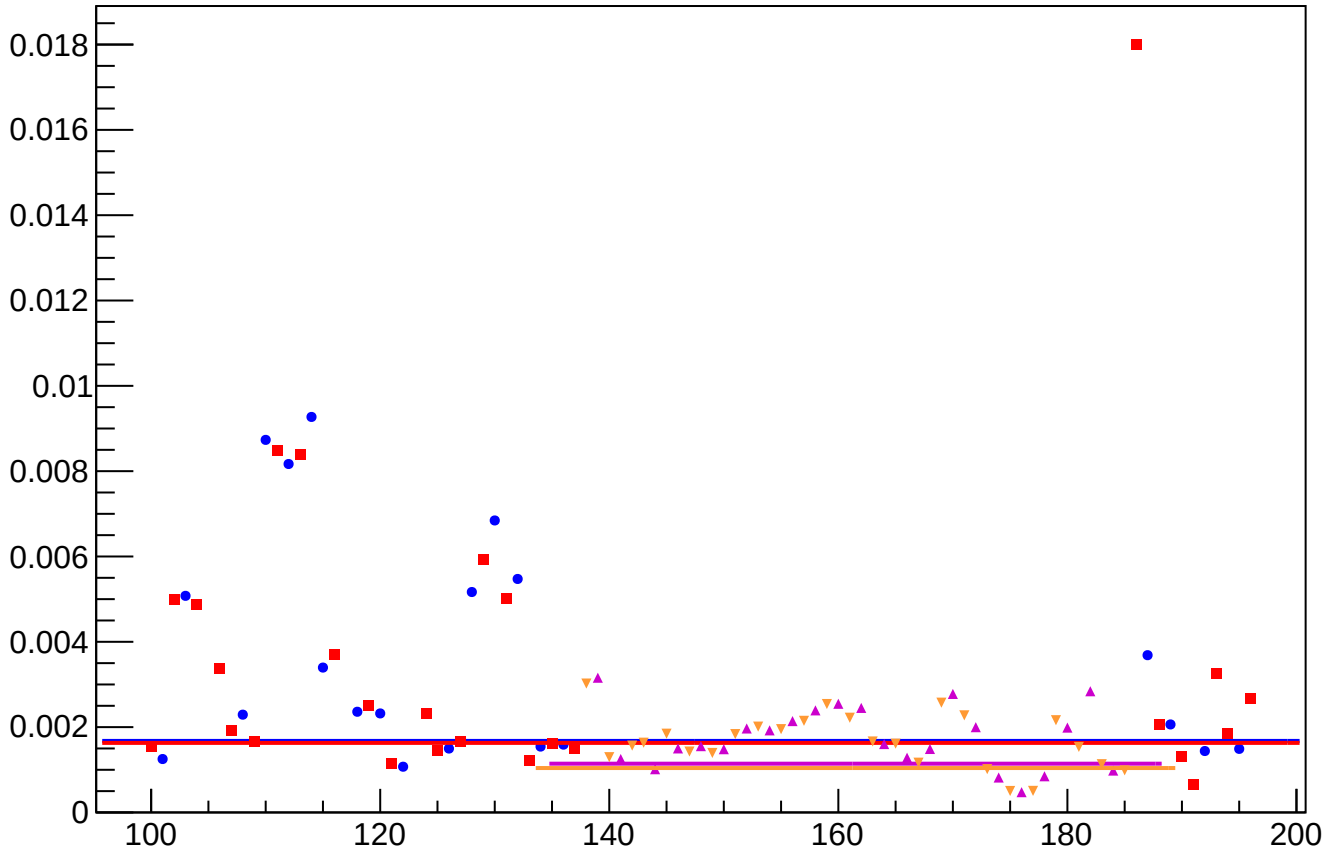
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/25

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/44

All: 0.000+/-0.000 χ^2/NDF: 106.5/93

- sign 0.000+/-0.000 χ^2/NDF: 42.9/48



Right In: 0.002+/-0.000 χ^2/NDF: 4147938.6/19

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

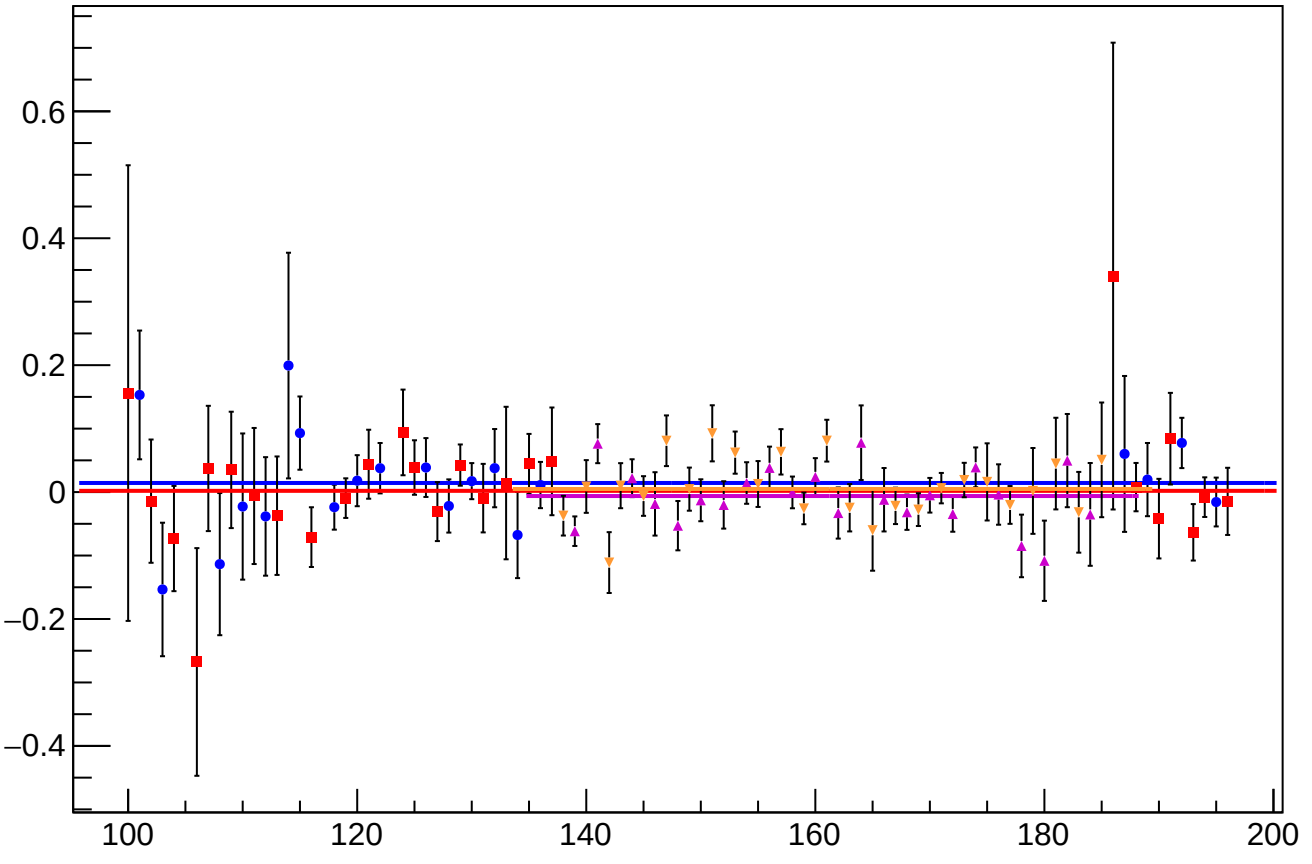
Right Out: 0.002+/-0.000 χ^2/NDF: 6403039.7/25

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15714090.3/44

All: 0.001+/-0.000 χ^2/NDF: 31713311.1/93

- sign 0.001+/-0.000 χ^2/NDF: 15831003.3/48



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

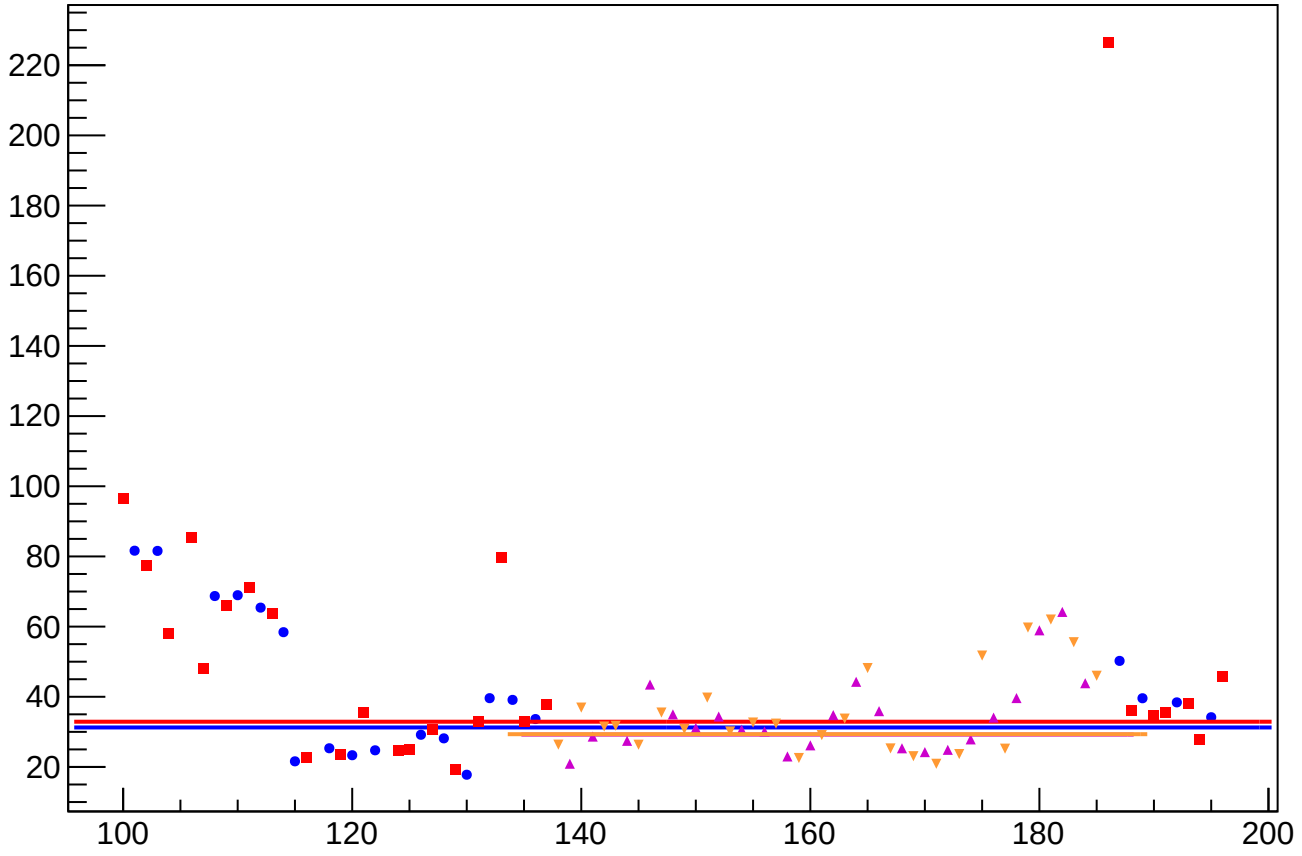
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.8/93

- 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: 31.255+/-0.008 χ^2/NDF: 2648093.3/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

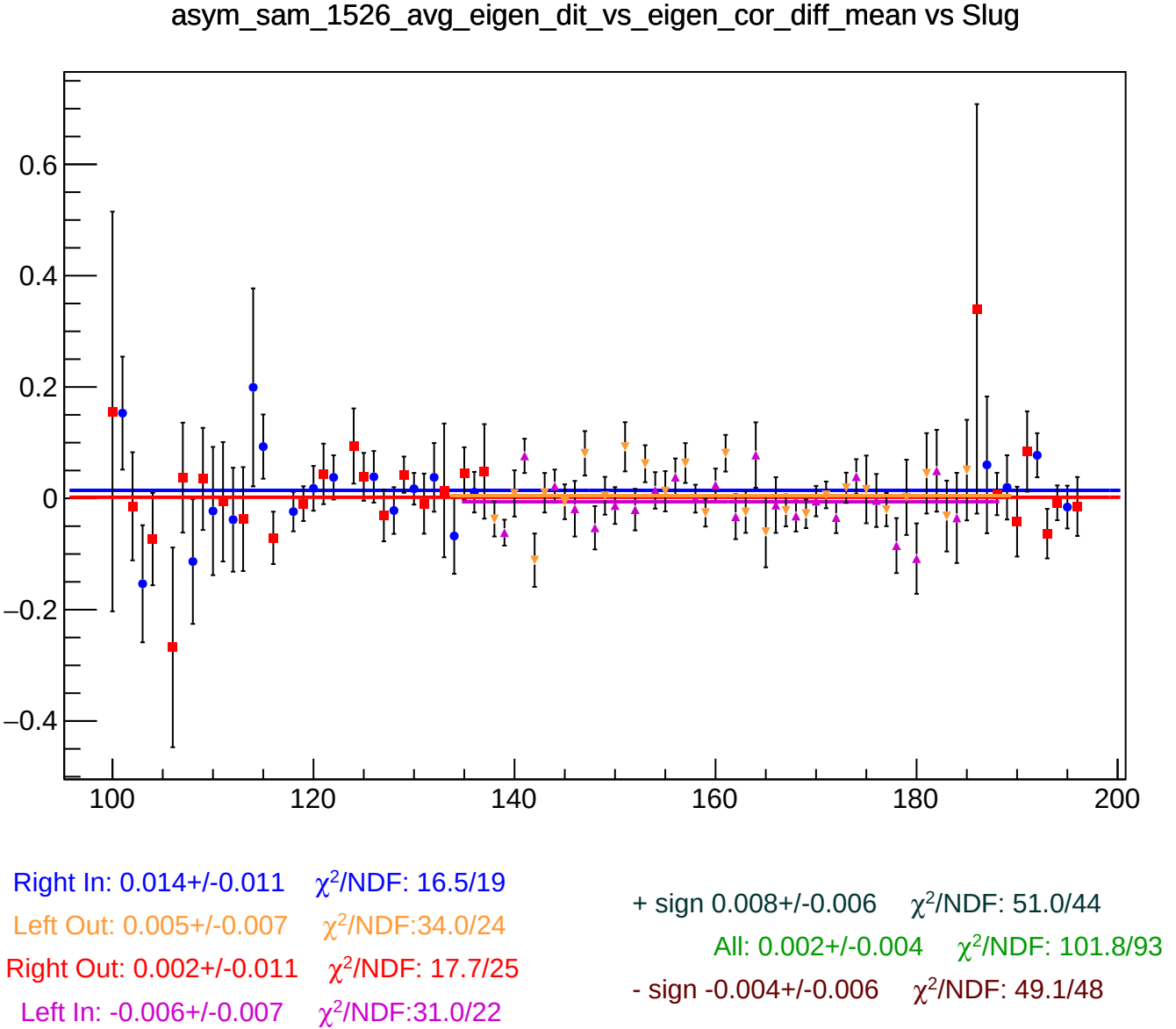
Right Out: 32.894+/-0.008 χ^2/NDF: 3439292.9/25

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

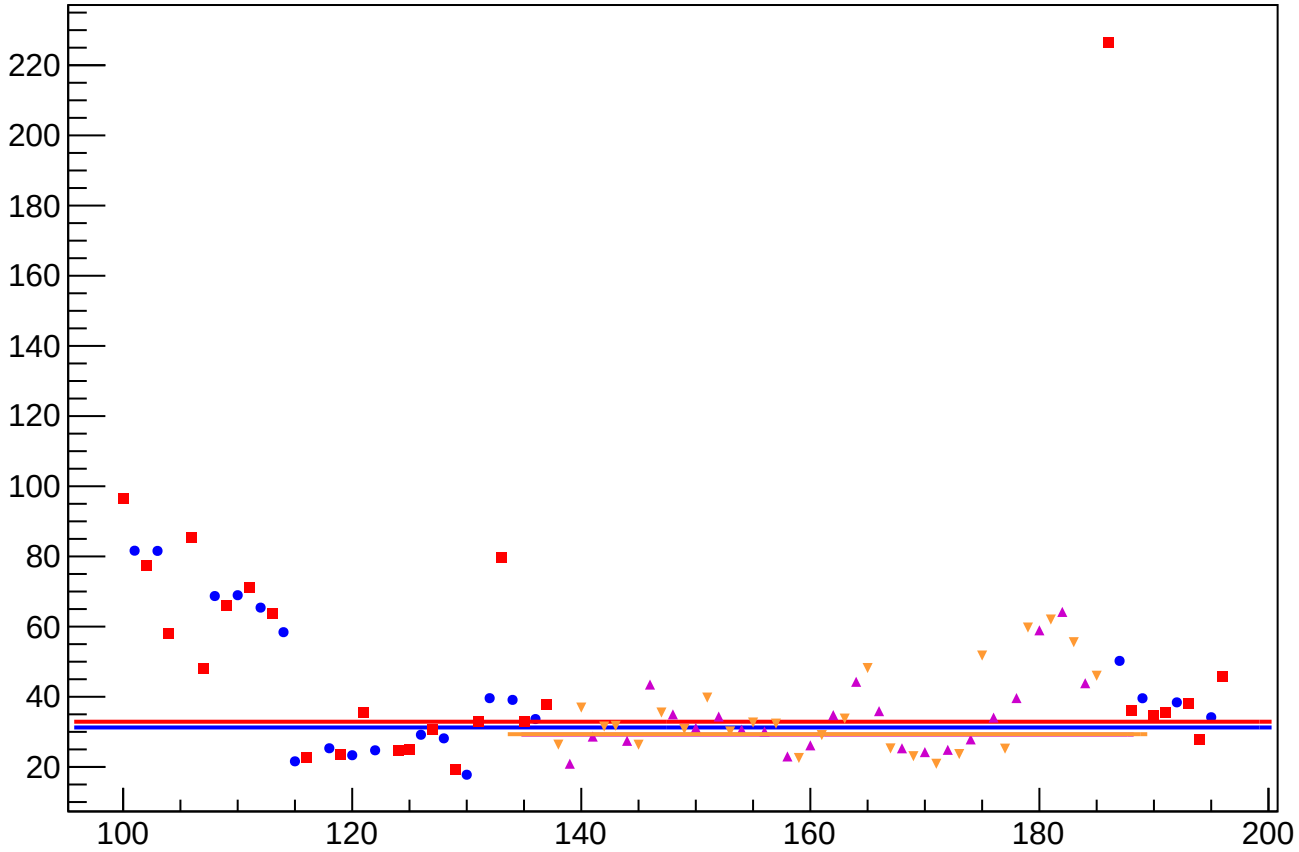
+ sign 29.890+/-0.004 χ^2/NDF: 5377279.5/44

All: 30.136+/-0.003 χ^2/NDF: 11081752.1/93

- 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: 16.5/19
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 0.008+/-0.006 χ²/NDF: 51.0/44
All: 0.002+/-0.004 χ²/NDF: 101.8/93
- sign -0.004+/-0.006 χ²/NDF: 49.1/48

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.255+/-0.008 χ^2/NDF: 2648093.3/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

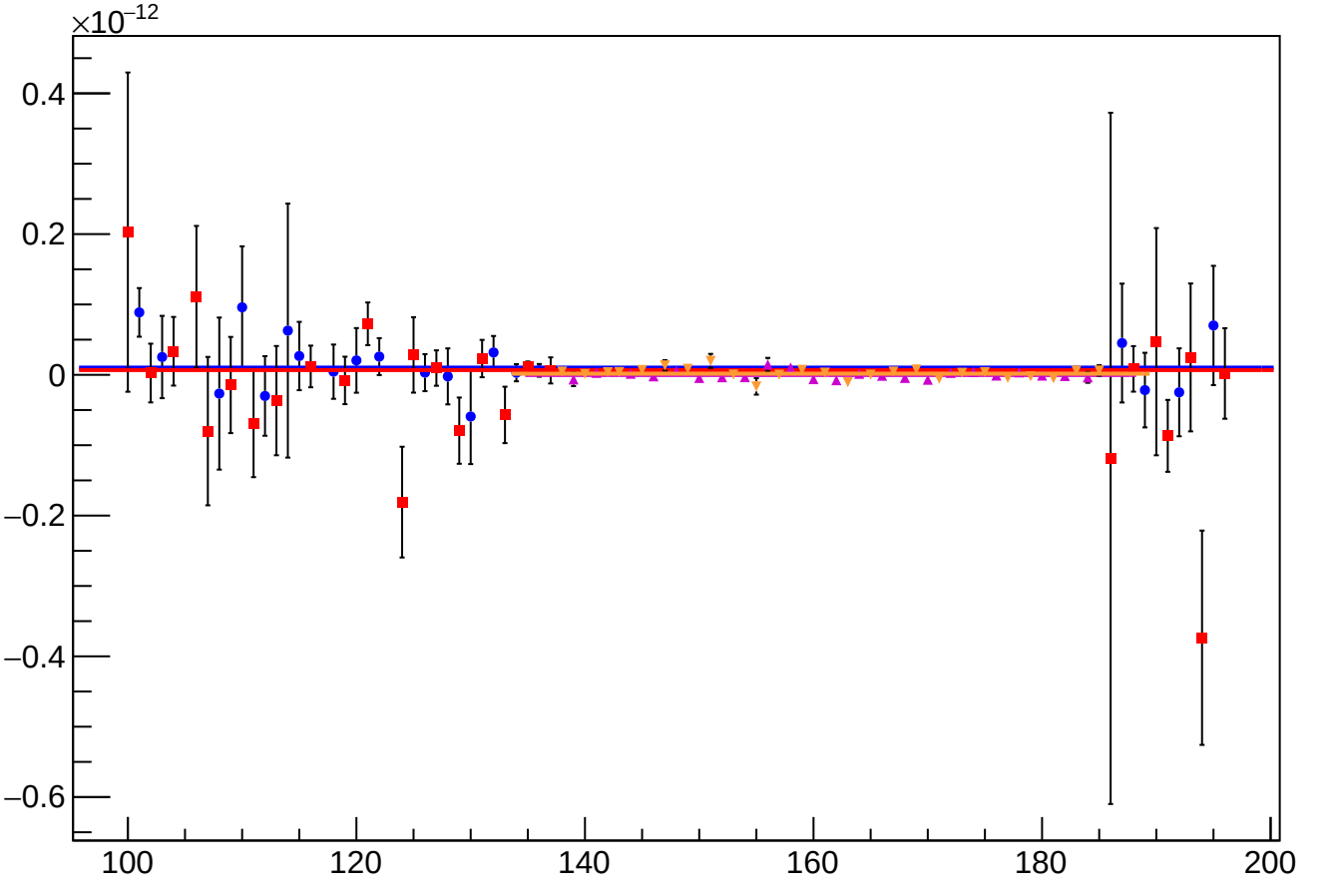
Right Out: 32.894+/-0.008 χ^2/NDF: 3439292.9/25

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.890+/-0.004 χ^2/NDF: 5377279.5/44

All: 30.136+/-0.003 χ^2/NDF: 11081752.1/93

- sign 30.383+/-0.004 χ^2/NDF: 5697739.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 11.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

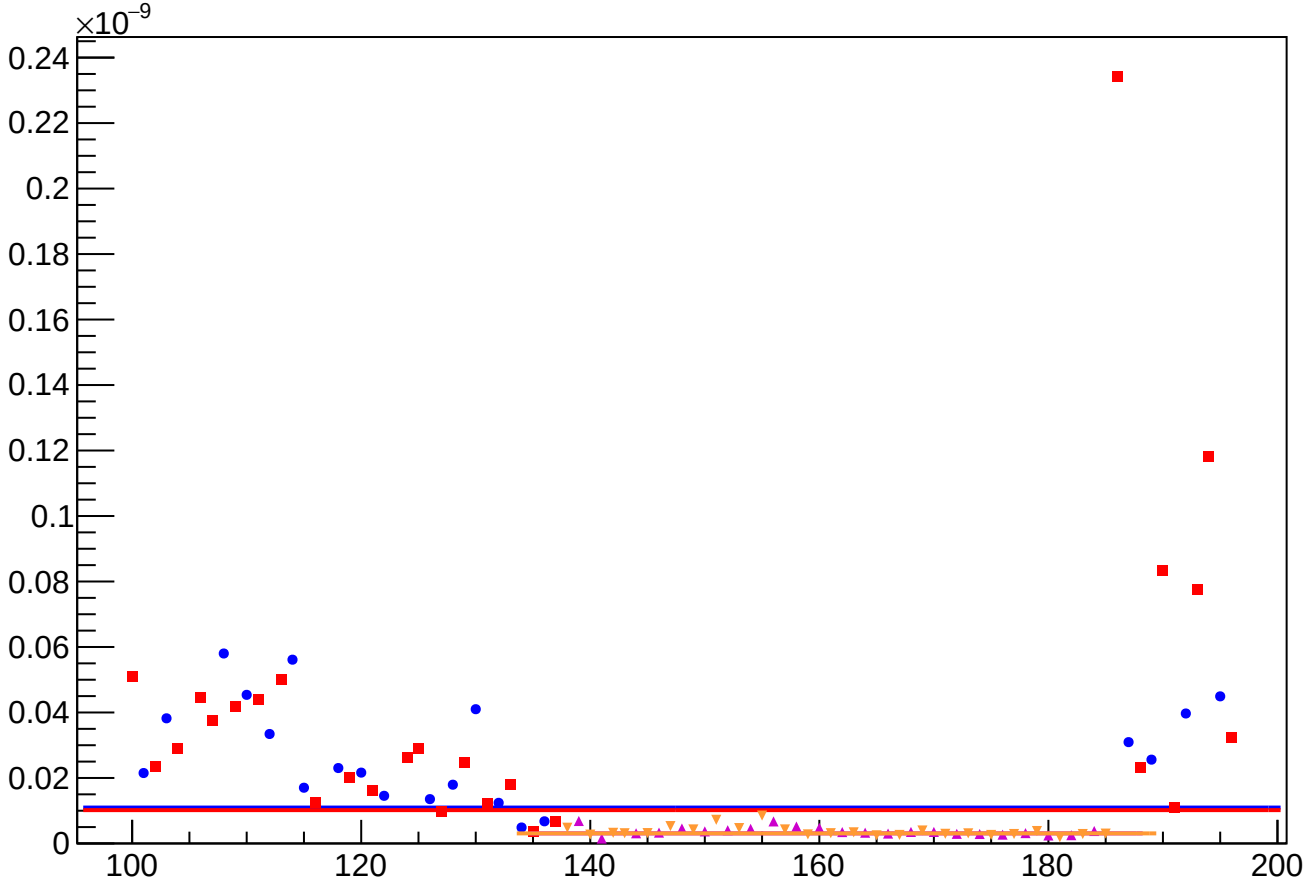
Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/25

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/44

All: 0.000+/-0.000 χ^2/NDF: 101.7/93

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4549198.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801832.1/25

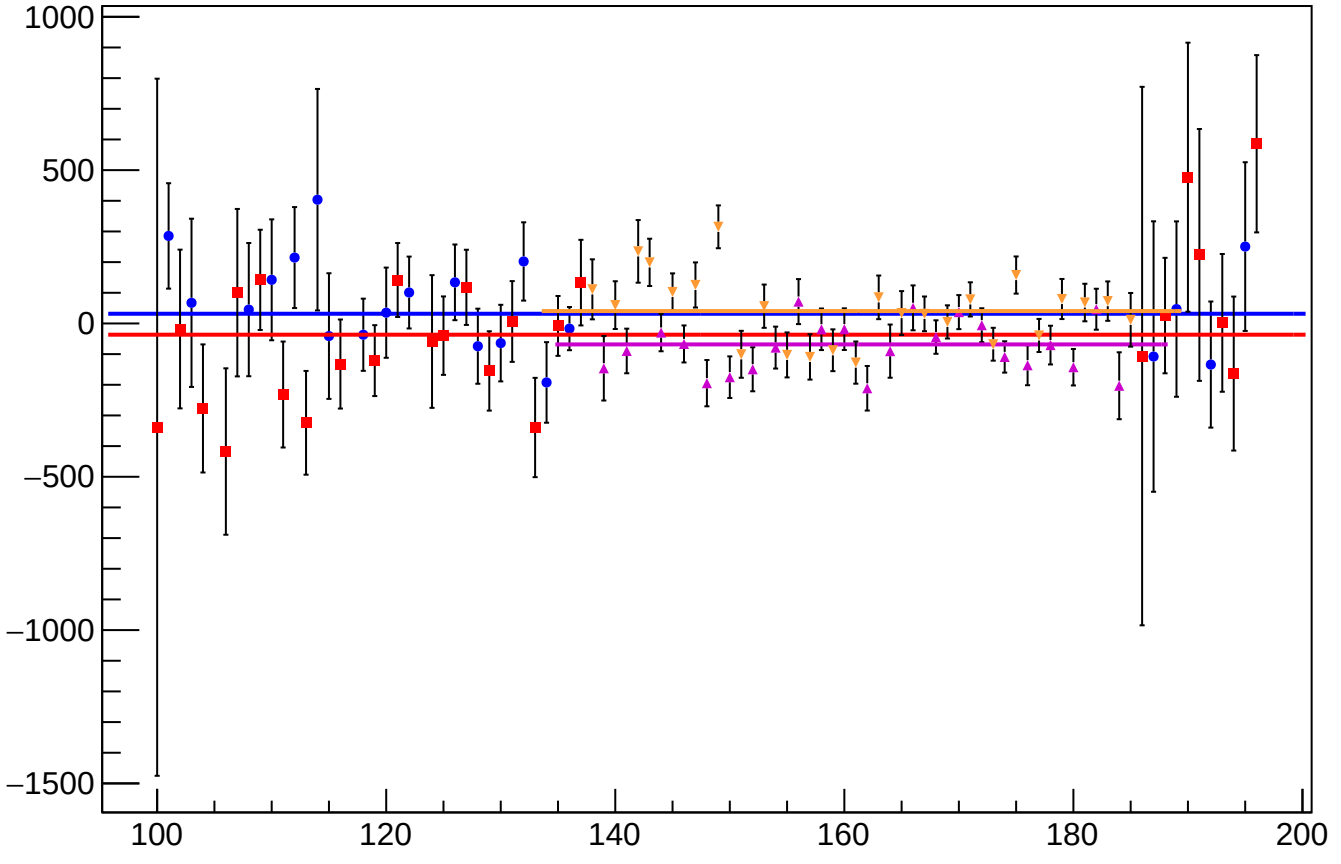
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10057693.0/44

All: 0.000+/-0.000 χ^2/NDF: 22978153.9/93

- sign 0.000+/-0.000 χ^2/NDF: 12920439.0/48

reg_asym_sam_3726_avg_mean vs Slug



Right In: 31.645+/-32.873 χ^2/NDF: 14.2/19

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -36.657+/-33.121 χ^2/NDF: 26.5/25

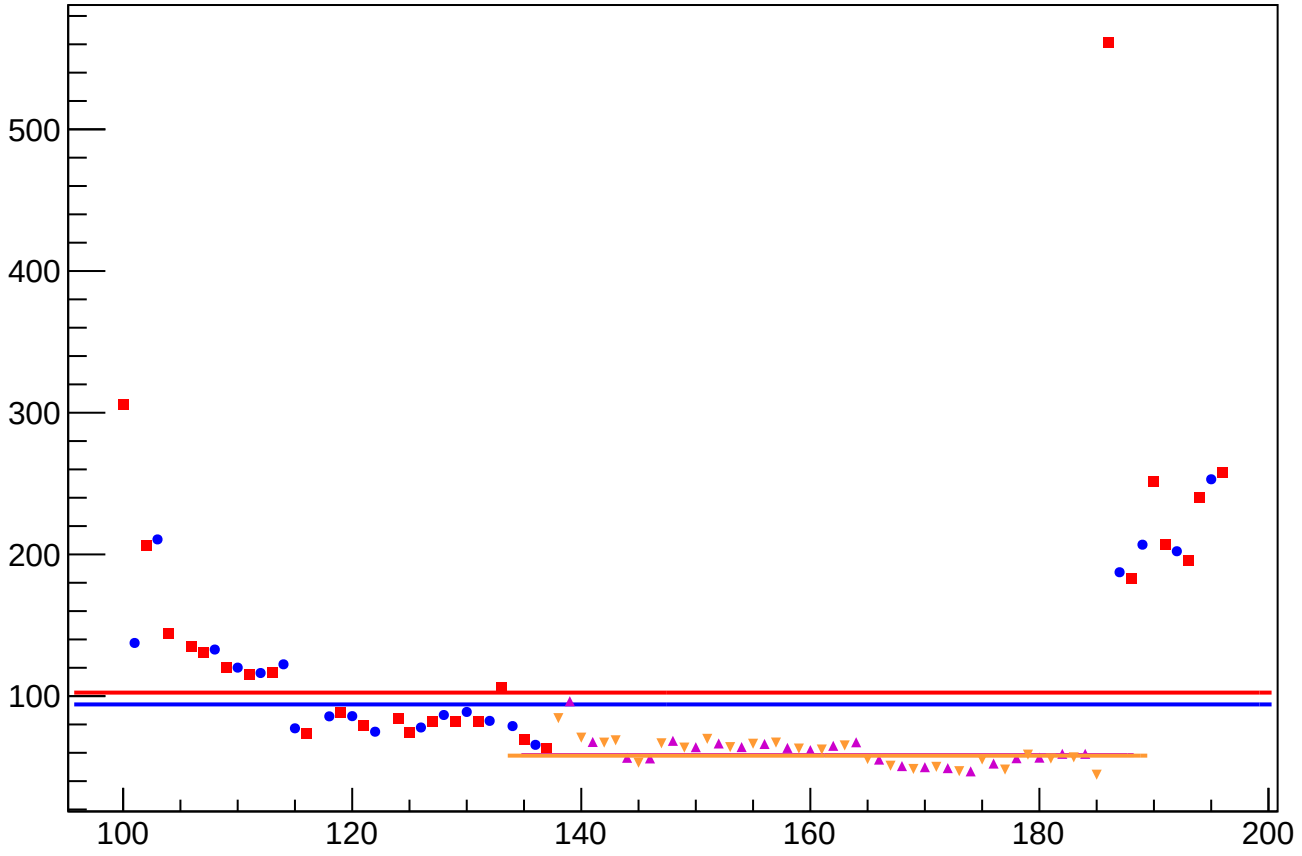
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -10.708+/-8.907 χ^2/NDF: 166.0/93

- sign -63.618+/-12.790 χ^2/NDF: 59.1/48

reg_asym_sam_3726_avg_rms vs Slug



Right In: 94.144+/-0.023 χ^2/NDF: 2756410.9/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

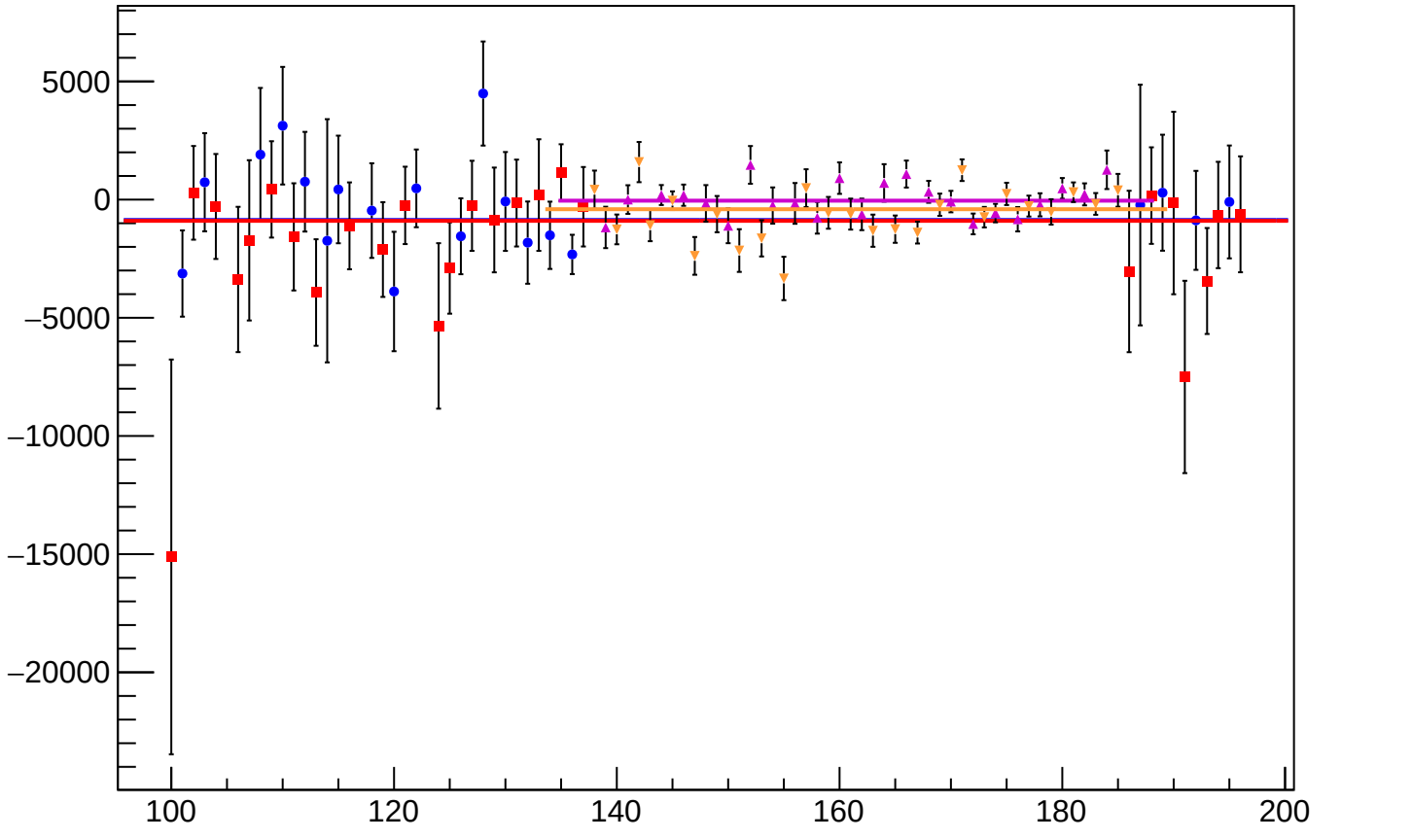
Right Out: 102.483+/-0.023 χ^2/NDF: 4193718.0/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637767.9/44

All: 64.032+/-0.006 χ^2/NDF: 13602719.0/93

- sign 64.971+/-0.009 χ^2/NDF: 7943999.7/48



Right In: -862.463+/-416.936 χ^2/NDF: 18.9/19

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -897.881+/-423.201 χ^2/NDF: 17.8/25

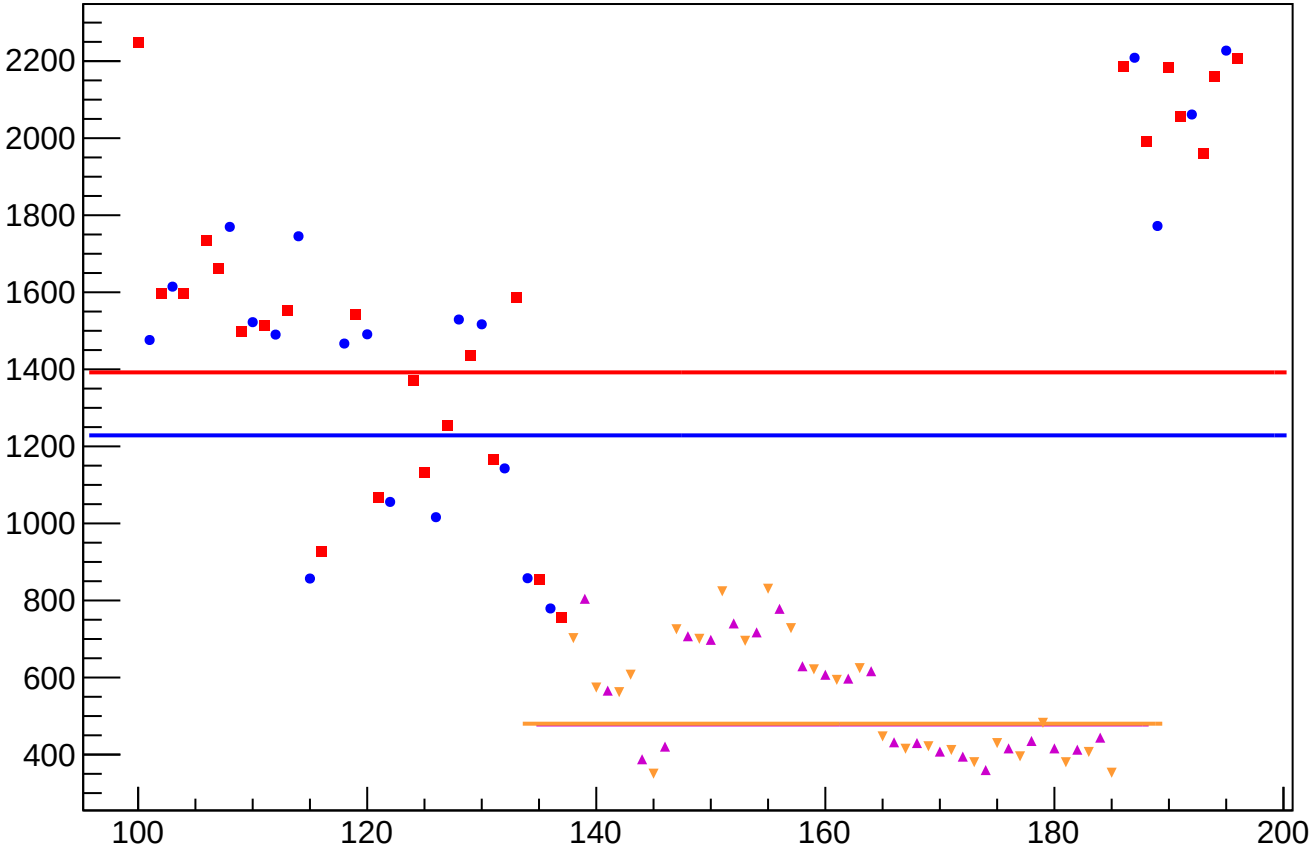
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -437.776+/-109.486 χ^2/NDF: 83.2/44

All: -274.281+/-78.176 χ^2/NDF: 140.3/93

- sign -104.219+/-111.663 χ^2/NDF: 52.6/48

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1228.568+/-0.295 χ^2/NDF: 2057370.0/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1392.075+/-0.299 χ^2/NDF: 2114064.4/25

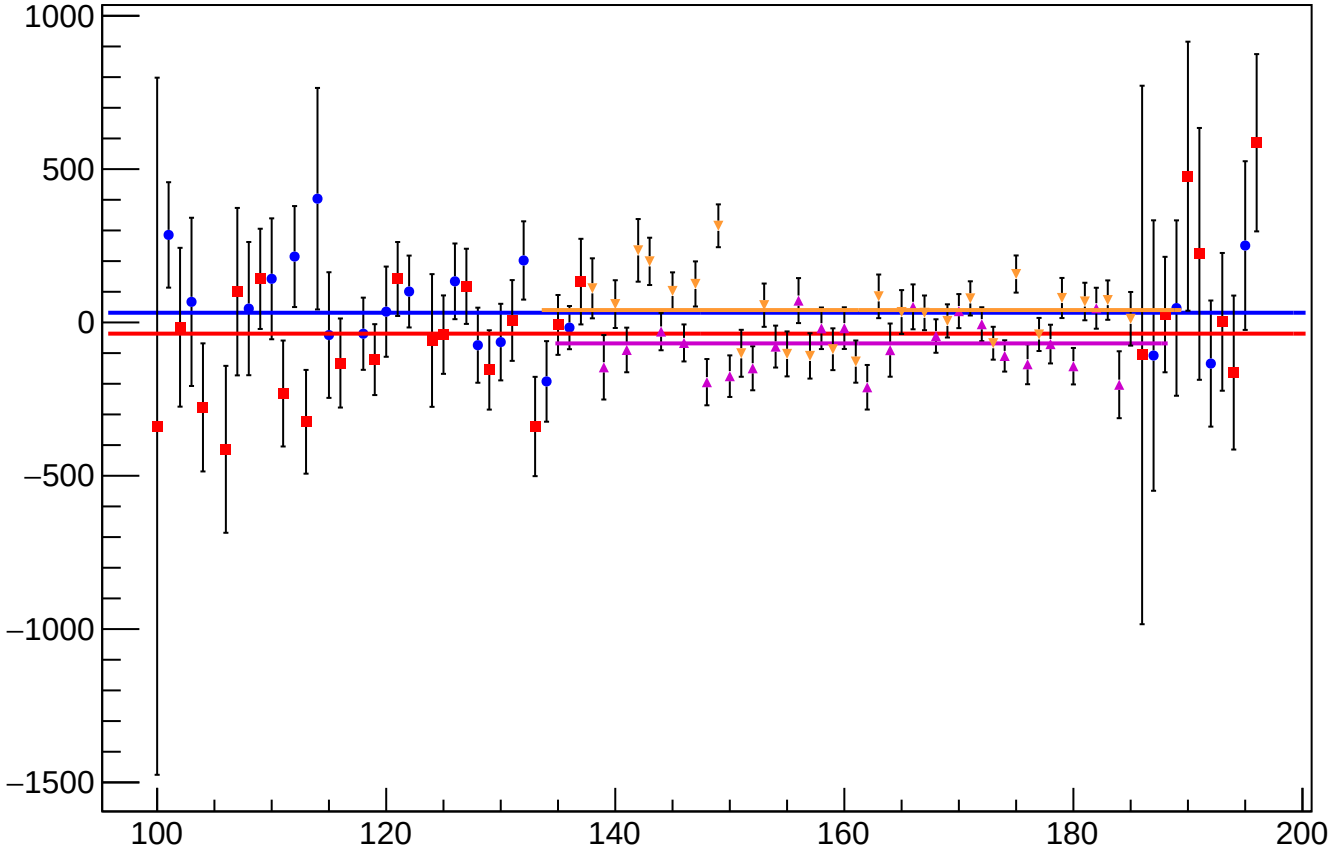
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 531.769+/-0.077 χ^2/NDF: 10639368.0/44

All: 536.644+/-0.055 χ^2/NDF: 23656307.3/93

- sign 541.714+/-0.079 χ^2/NDF: 13008851.2/48

cor_asym_sam_3726_avg_mean vs Slug



Right In: 31.637+/-32.873 χ^2/NDF: 14.2/19

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 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -10.697+/-8.907 χ^2/NDF: 165.9/93

- sign -63.597+/-12.791 χ^2/NDF: 59.0/48

cor_asym_sam_3726_avg_rms vs Slug

Right In: 94.144+/-0.023 χ^2/NDF: 2756413.8/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

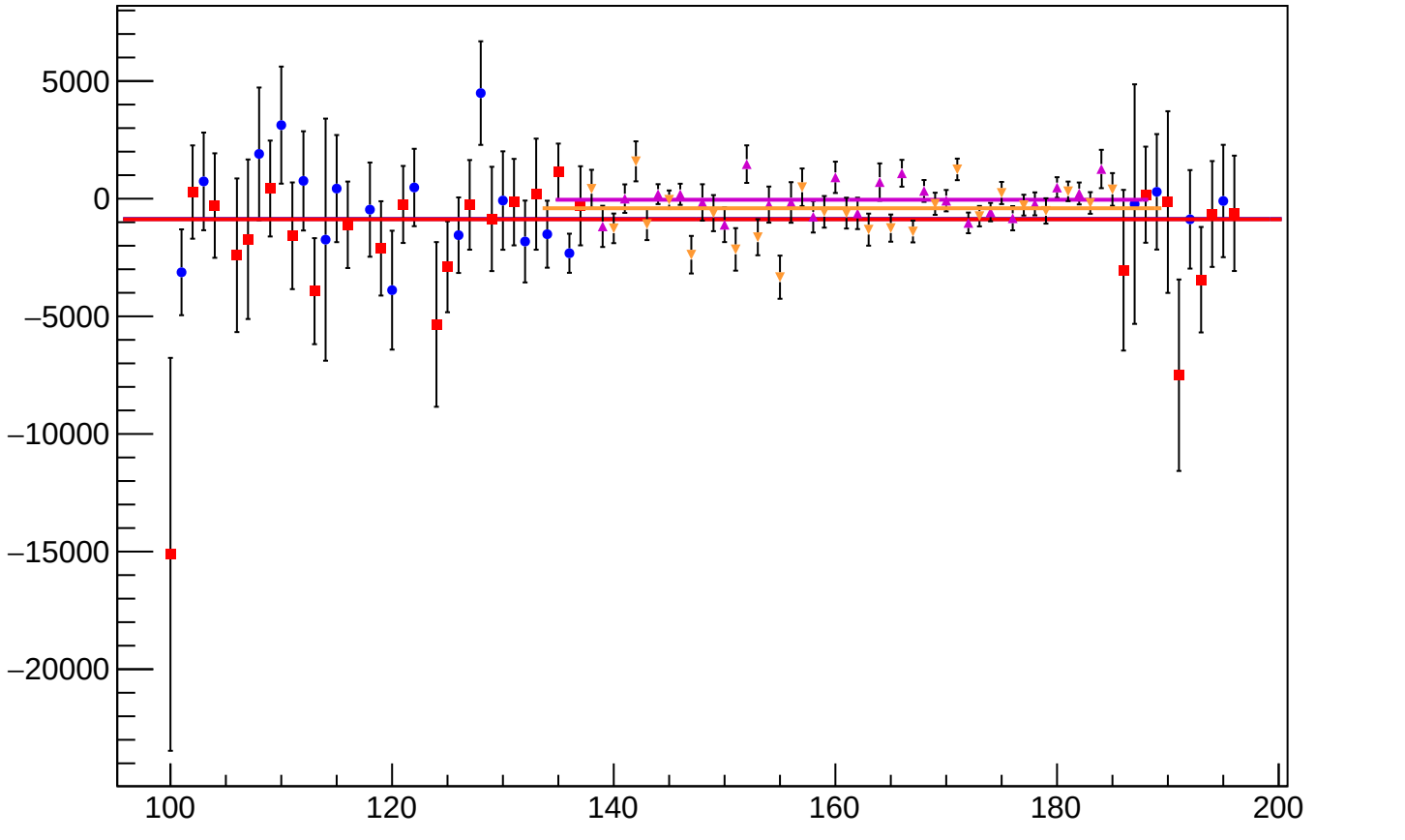
Right Out: 102.451+/-0.023 χ^2/NDF: 4190499.4/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637770.1/44

All: 64.029+/-0.006 χ^2/NDF: 13594702.5/93

- sign 64.966+/-0.009 χ^2/NDF: 7936105.3/48



Right In: -862.433+/-416.937 χ^2/NDF: 18.9/19

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -876.466+/-423.672 χ^2/NDF: 17.3/25

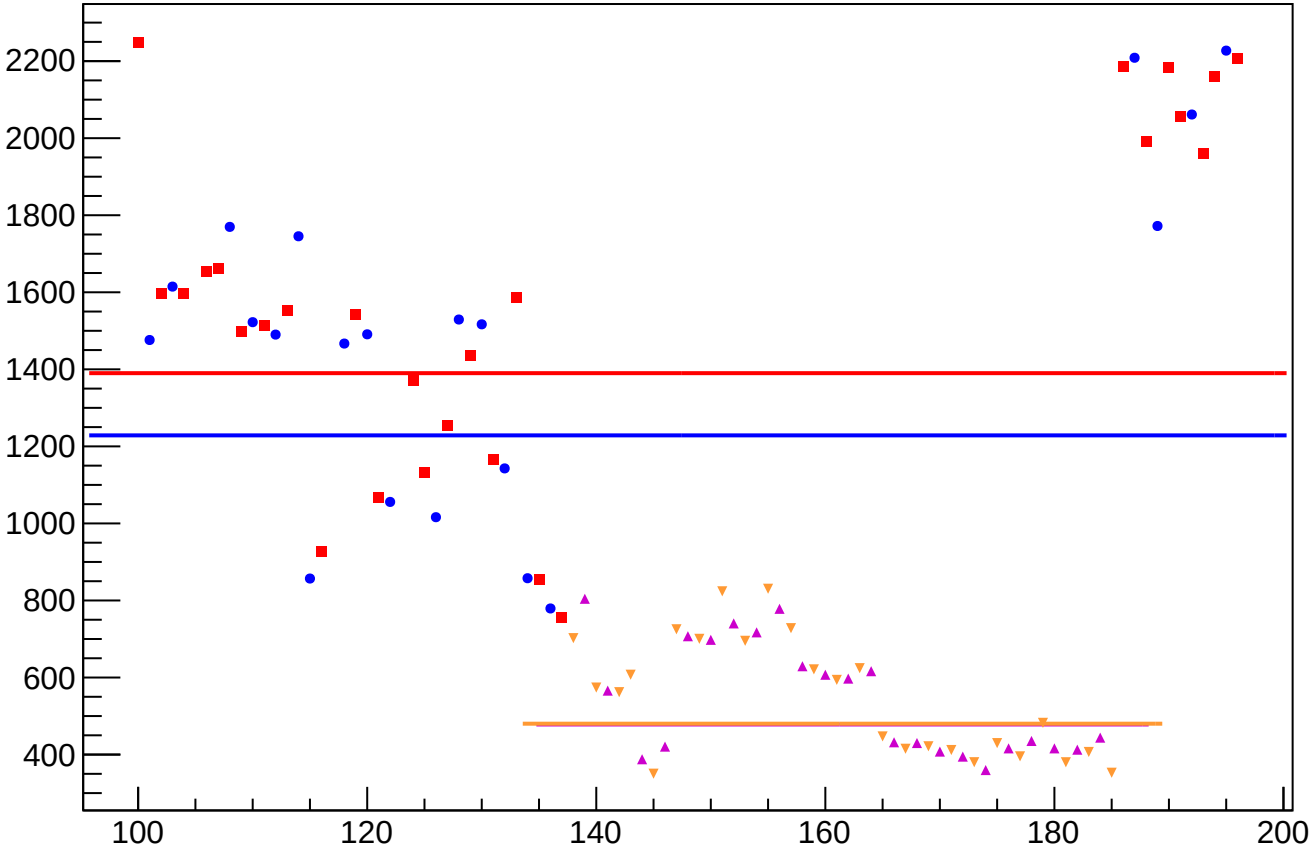
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.772+/-109.486 χ^2/NDF: 83.2/44

All: -273.502+/-78.179 χ^2/NDF: 139.8/93

- sign -102.607+/-111.671 χ^2/NDF: 51.9/48

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1228.570+/-0.295 χ^2/NDF: 2057403.7/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1390.063+/-0.300 χ^2/NDF: 2102572.3/25

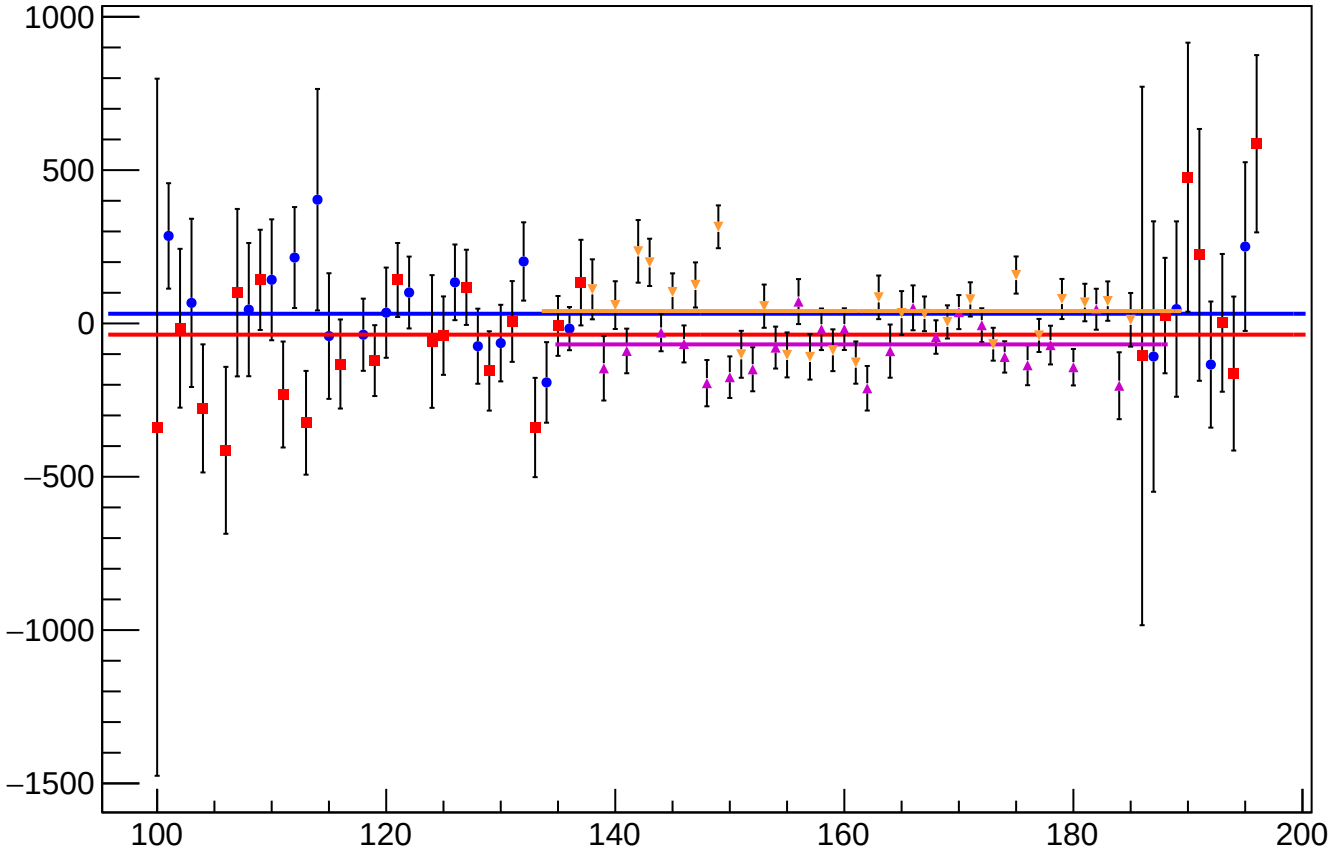
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 531.769+/-0.077 χ^2/NDF: 10639395.0/44

All: 536.510+/-0.055 χ^2/NDF: 23588337.1/93

- sign 541.443+/-0.079 χ^2/NDF: 12941289.8/48

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 31.637+/-32.873 χ^2/NDF: 14.2/19

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -36.519+/-33.122 χ^2/NDF: 26.5/25

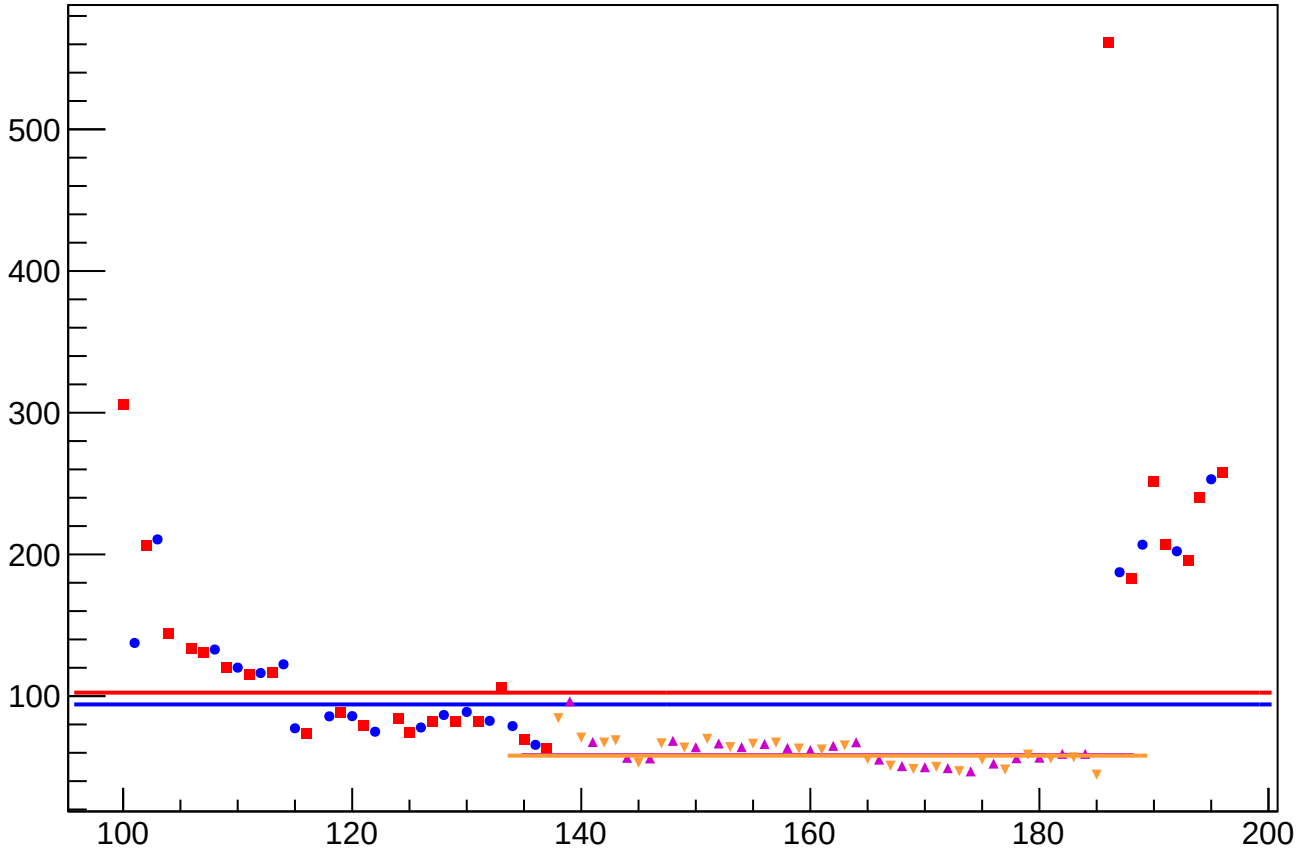
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -10.697+/-8.907 χ^2/NDF: 165.9/93

- sign -63.597+/-12.791 χ^2/NDF: 59.0/48

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 94.144+/-0.023 χ^2/NDF: 2756413.8/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

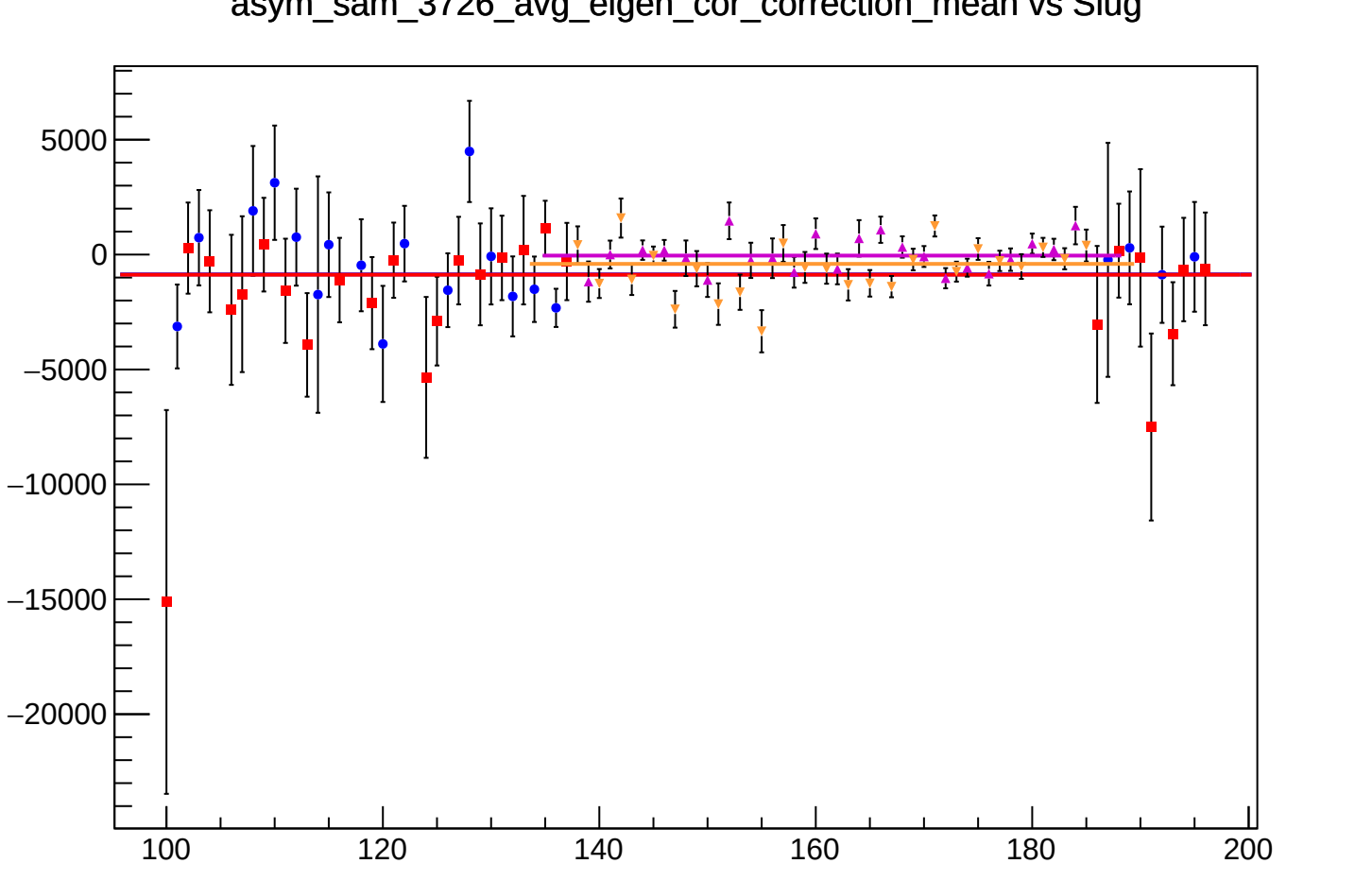
Right Out: 102.451+/-0.023 χ^2/NDF: 4190499.4/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637770.1/44

All: 64.029+/-0.006 χ^2/NDF: 13594702.5/93

- sign 64.966+/-0.009 χ^2/NDF: 7936105.3/48



Right In: -862.433+/-416.937 χ^2/NDF: 18.9/19

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

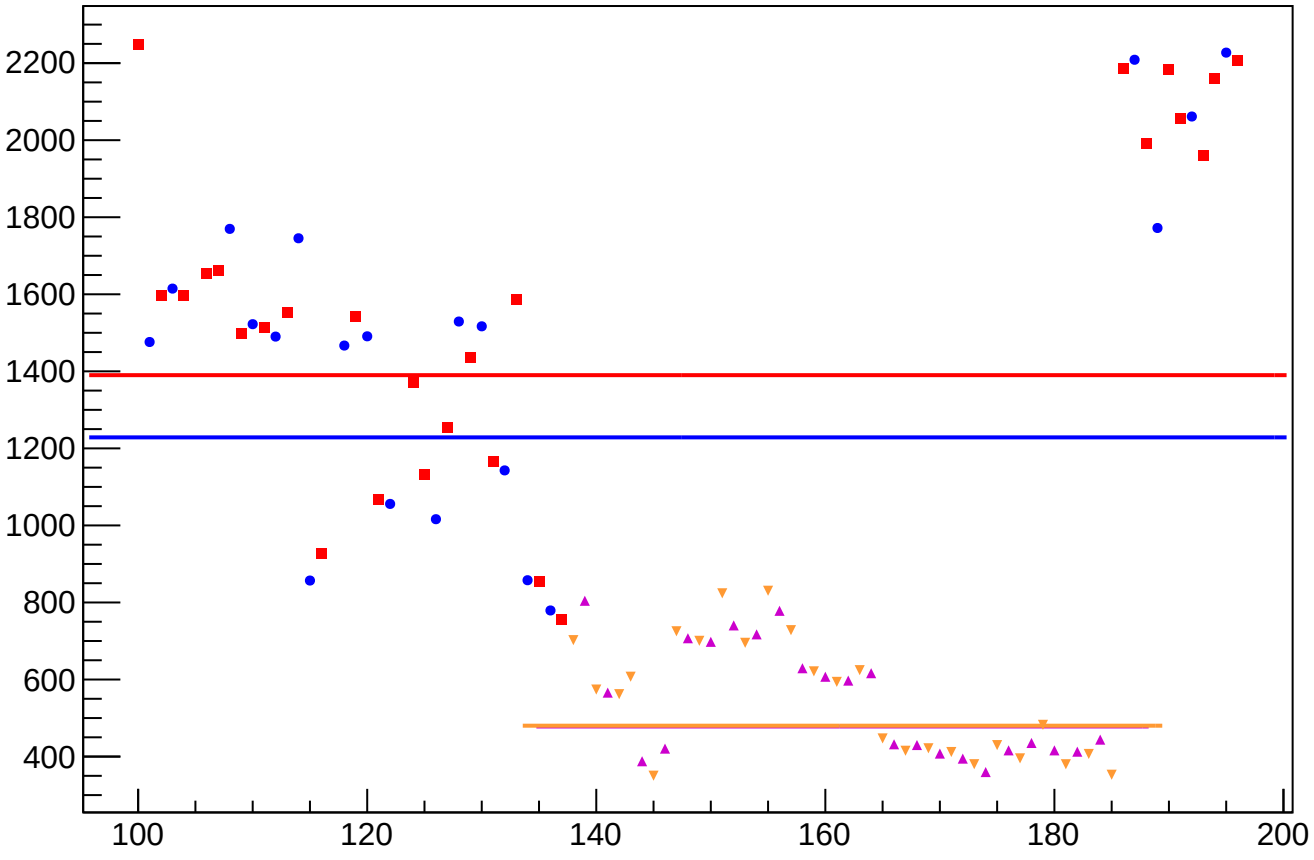
Right Out: -876.466+/-423.672 χ^2/NDF: 17.3/25

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.772+/-109.486 χ^2/NDF: 83.2/44

All: -273.502+/-78.179 χ^2/NDF: 139.8/93

- sign -102.607+/-111.671 χ^2/NDF: 51.9/48



Right In: 1228.570+/-0.295 χ^2/NDF: 2057403.7/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1390.063+/-0.300 χ^2/NDF: 2102572.3/25

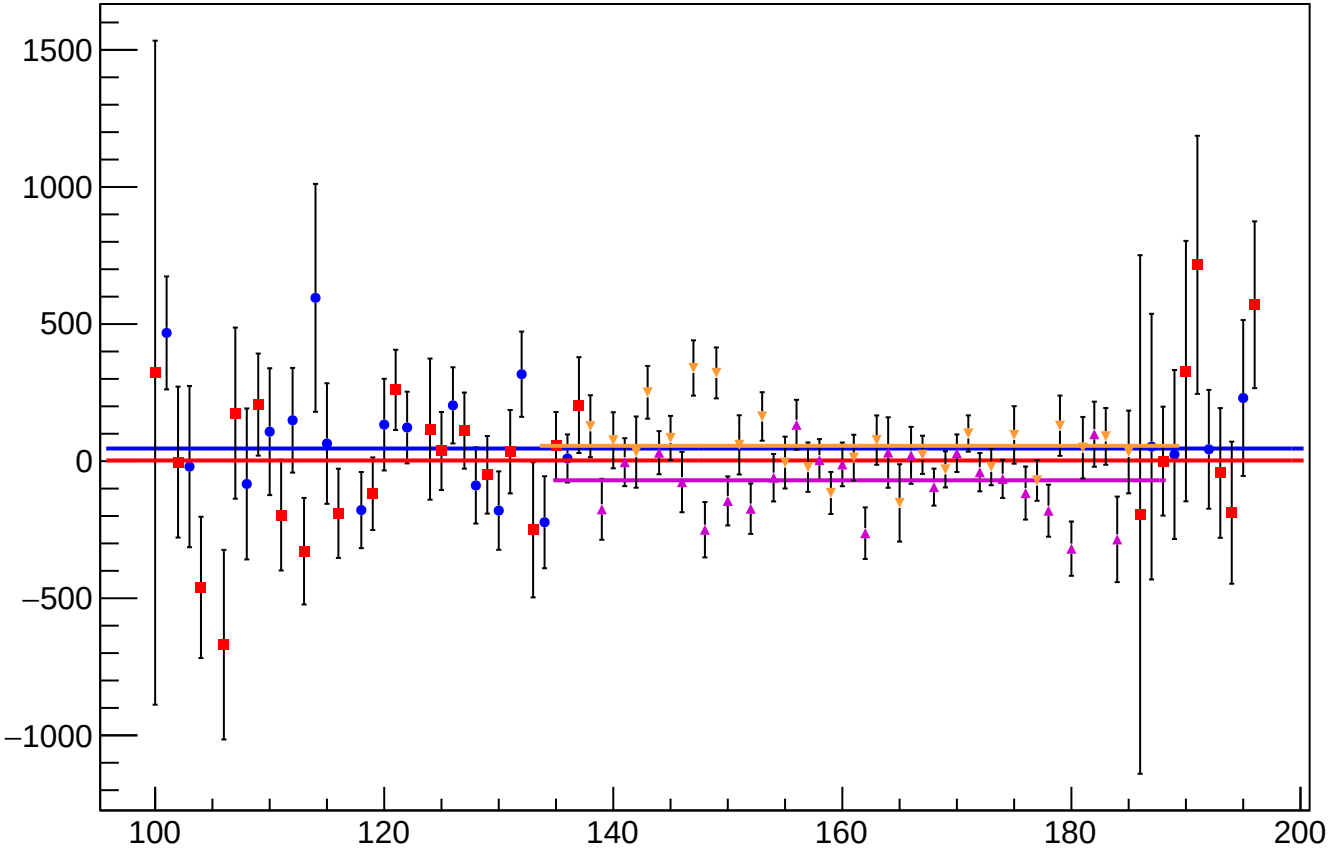
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 531.769+/-0.077 χ^2/NDF: 10639395.0/44

All: 536.510+/-0.055 χ^2/NDF: 23588337.1/93

- sign 541.443+/-0.079 χ^2/NDF: 12941289.8/48

dit_asym_sam_3726_avg_mean vs Slug



Right In: 46.135+/-38.487 χ^2/NDF: 20.7/19

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 2.586+/-38.572 χ^2/NDF: 28.3/25

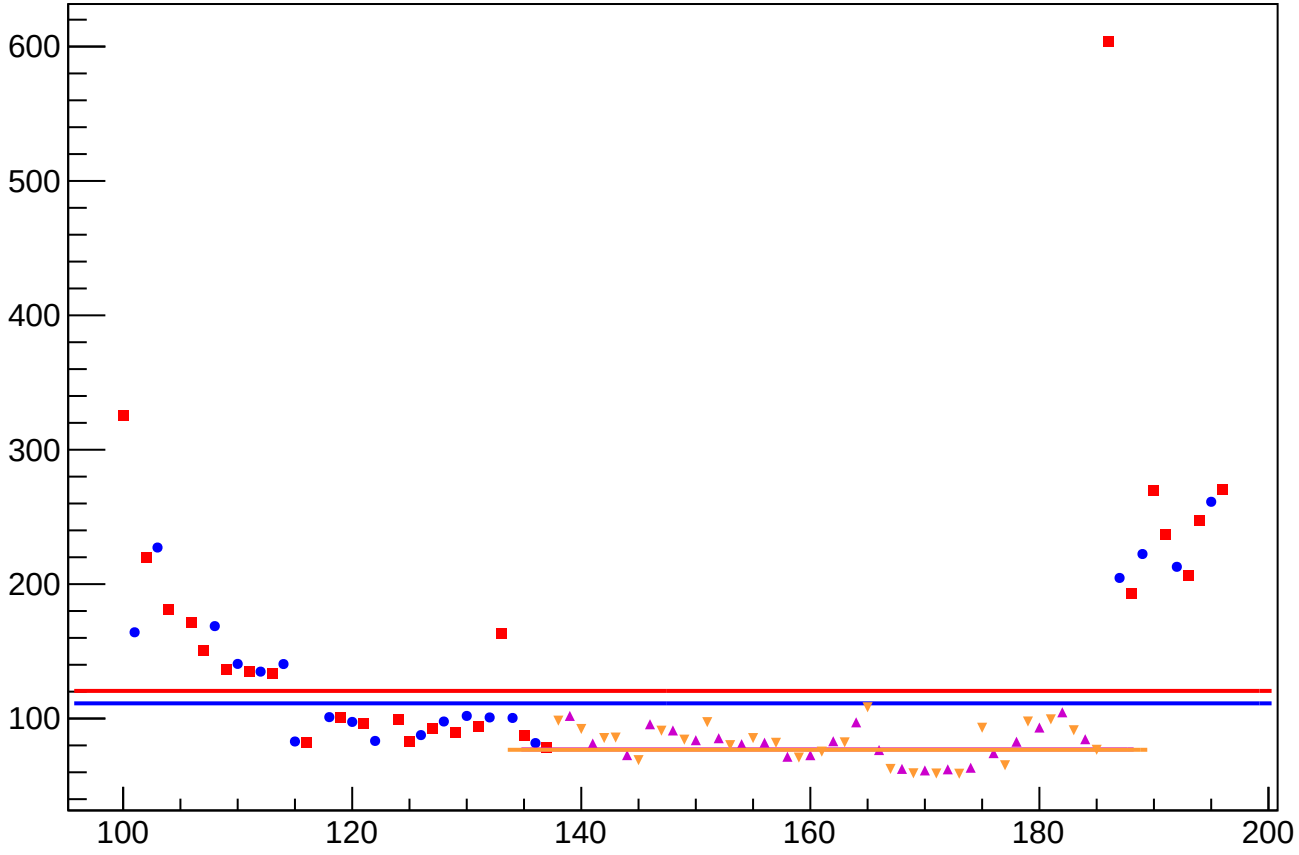
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 54.195+/-16.267 χ^2/NDF: 59.1/44

All: 0.325+/-11.645 χ^2/NDF: 147.3/93

- sign -56.302+/-16.678 χ^2/NDF: 65.7/48

dit_asym_sam_3726_avg_rms vs Slug



Right In: 111.294+/-0.027 χ^2/NDF: 2412381.1/19

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 120.552+/-0.027 χ^2/NDF: 3779811.0/25

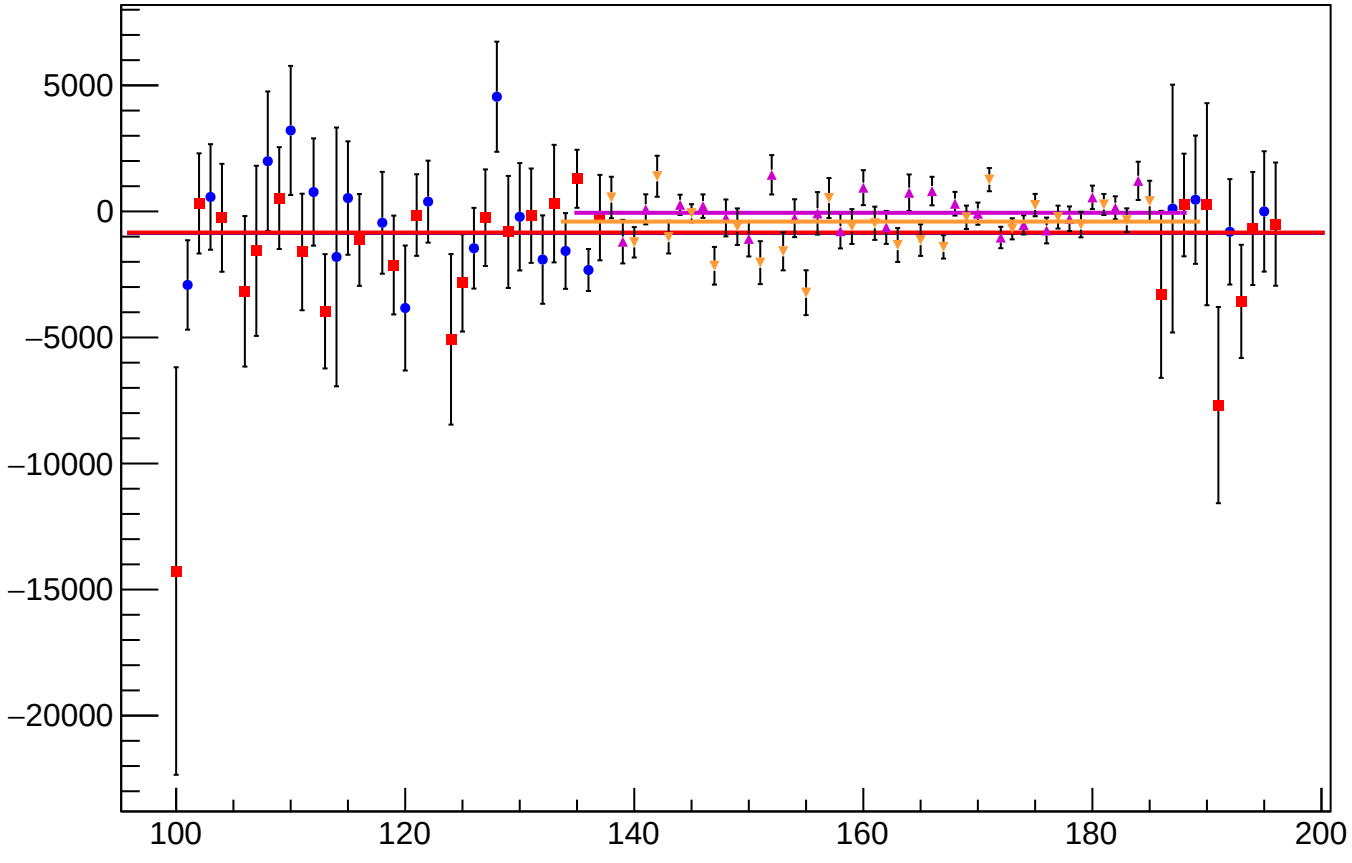
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 82.916+/-0.012 χ^2/NDF: 4970870.3/44

All: 84.009+/-0.008 χ^2/NDF: 11699434.5/93

- sign 85.157+/-0.012 χ^2/NDF: 6710056.9/48

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -853.319+/-418.775 χ^2/NDF: 18.9/19

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

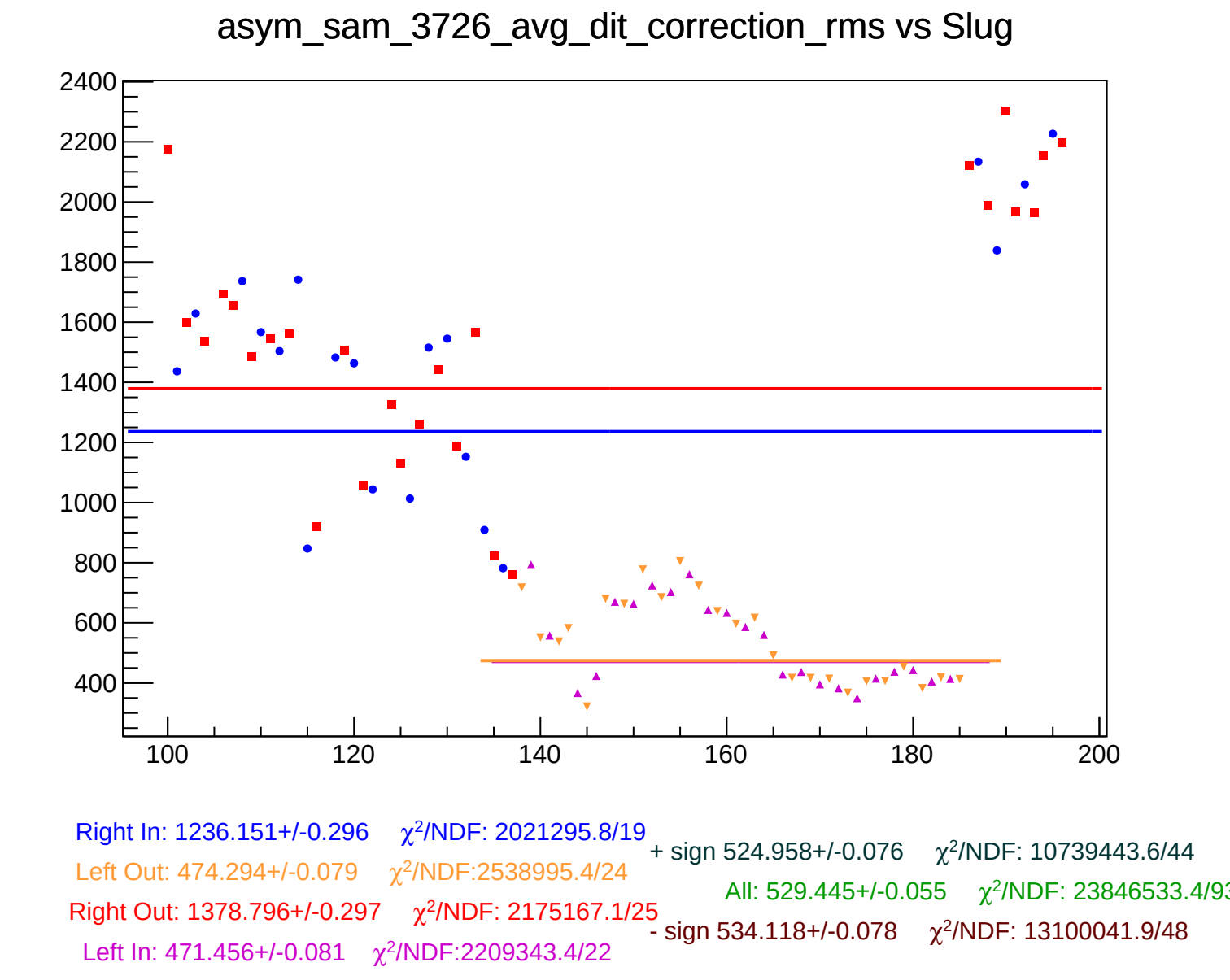
Right Out: -839.096+/-419.371 χ^2/NDF: 19.1/25

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

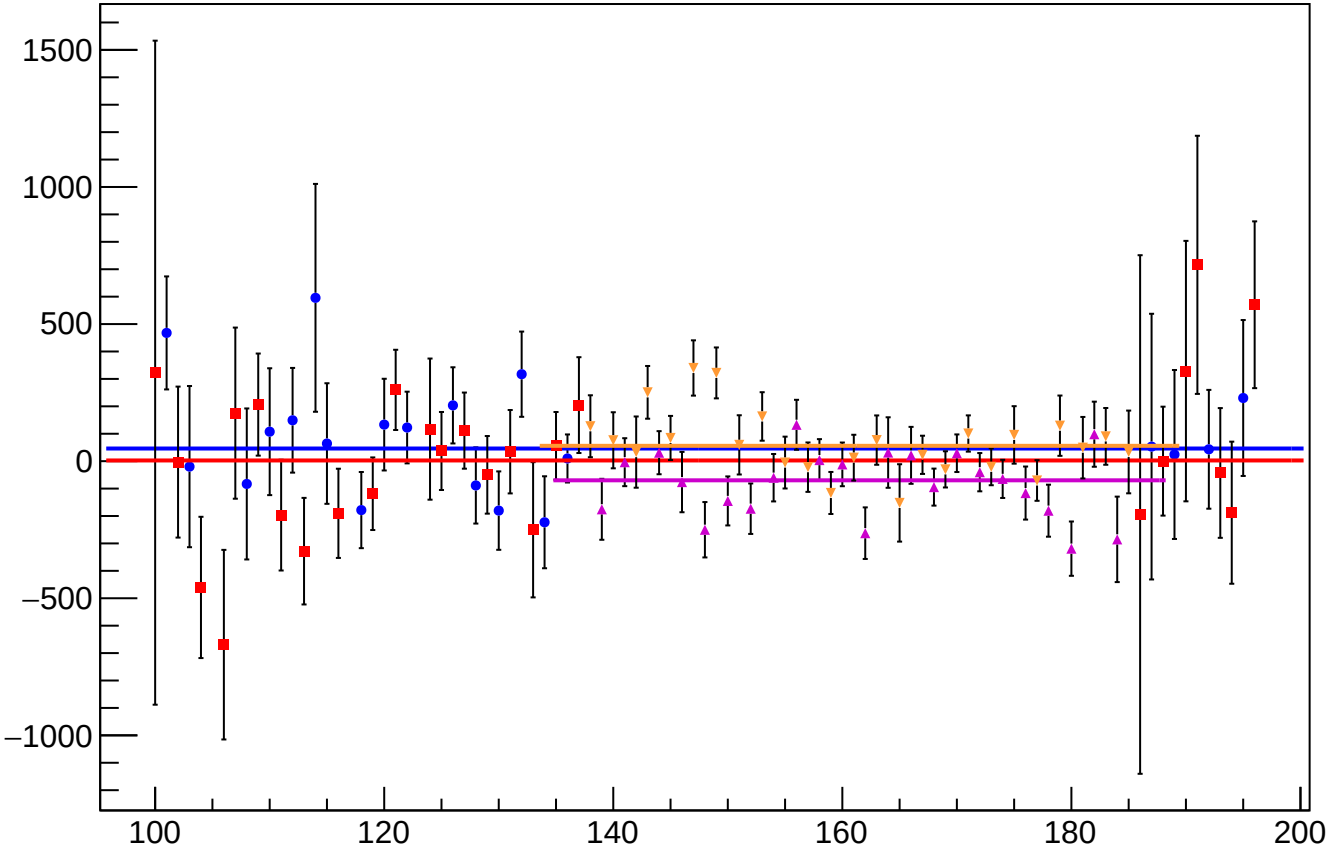
+ sign -433.297+/-107.993 χ^2/NDF: 80.8/44

All: -274.146+/-77.134 χ^2/NDF: 138.2/93

- sign -108.398+/-110.209 χ^2/NDF: 53.0/48


asym_sam_3726_avg_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1236.151+/-0.296 χ²/NDF: 2021295.8/19
Left Out: 474.294+/-0.079 χ²/NDF:2538995.4/24
Right Out: 1378.796+/-0.297 χ²/NDF: 2175167.1/25
Left In: 471.456+/-0.081 χ²/NDF:2209343.4/22
+ sign 524.958+/-0.076 χ²/NDF: 10739443.6/44
All: 529.445+/-0.055 χ²/NDF: 23846533.4/93
- sign 534.118+/-0.078 χ²/NDF: 13100041.9/48

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 46.135+/-38.487 χ^2/NDF: 20.7/19

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 2.588+/-38.572 χ^2/NDF: 28.3/25

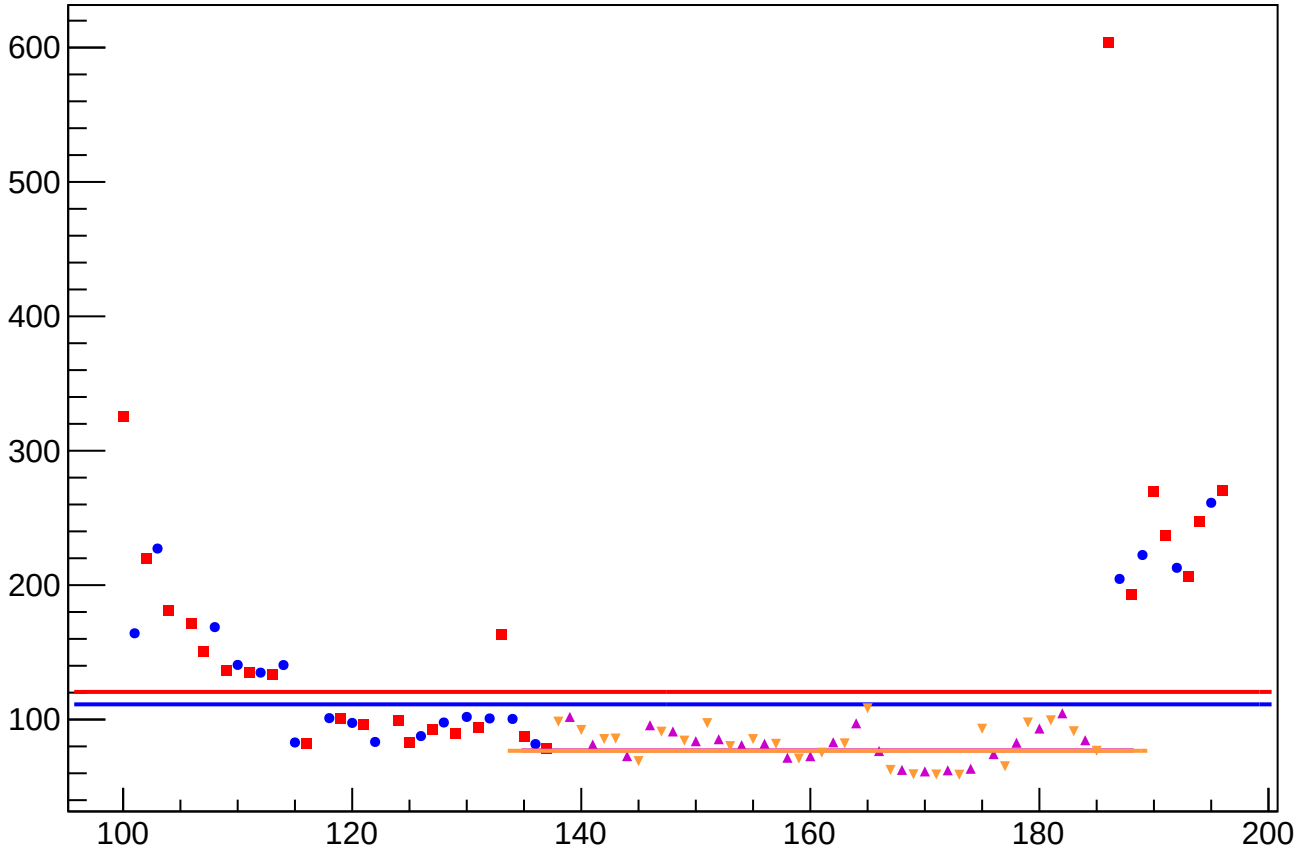
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 54.195+/-16.267 χ^2/NDF: 59.1/44

All: 0.325+/-11.645 χ^2/NDF: 147.3/93

- sign -56.301+/-16.678 χ^2/NDF: 65.7/48

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 111.294+/-0.027 χ^2/NDF: 2412382.8/19

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

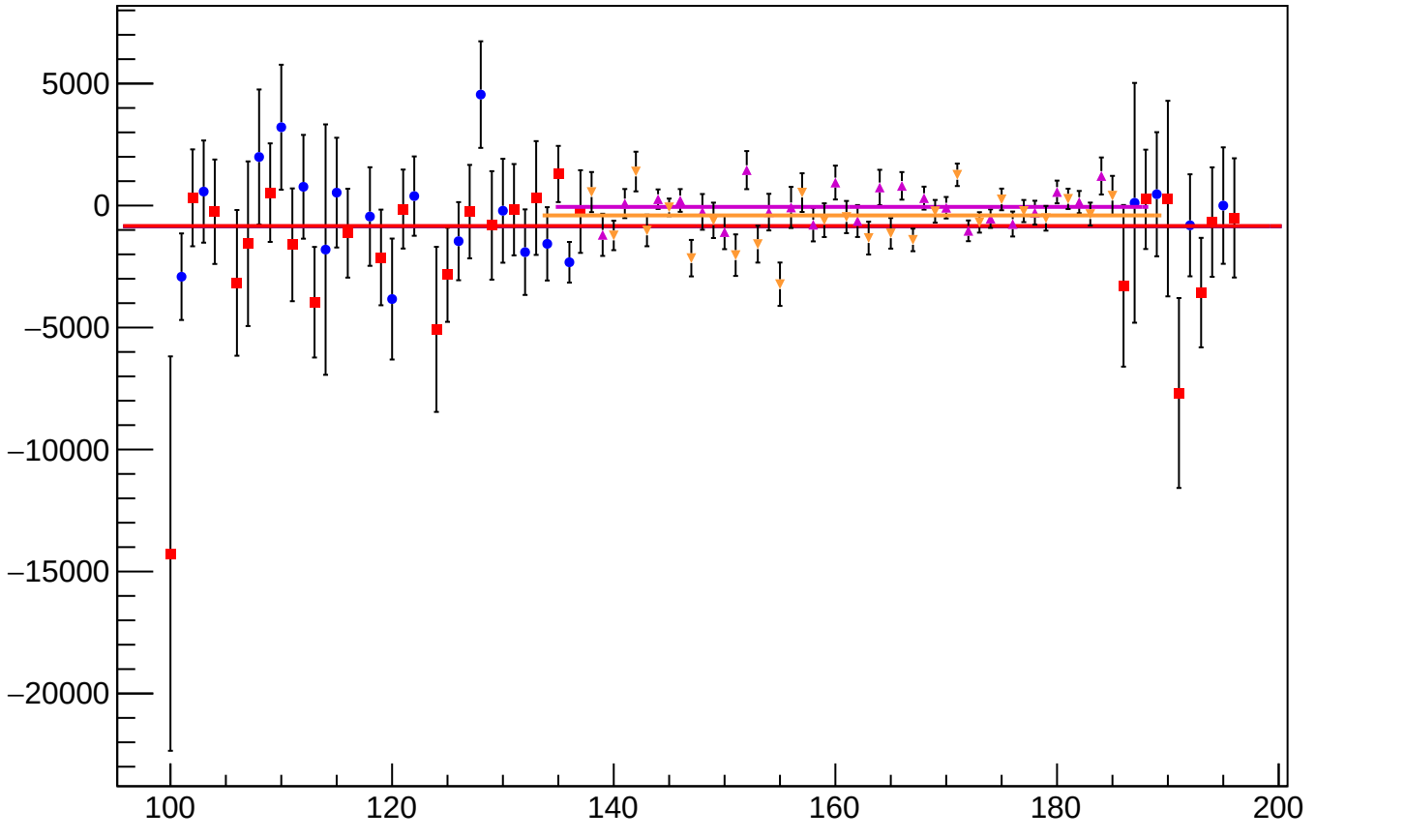
Right Out: 120.552+/-0.027 χ^2/NDF: 3779815.8/25

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 82.916+/-0.012 χ^2/NDF: 4970834.7/44

All: 84.009+/-0.008 χ^2/NDF: 11699359.1/93

- sign 85.157+/-0.012 χ^2/NDF: 6710016.5/48



Right In: -853.315+/-418.775 χ^2/NDF: 18.9/19

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

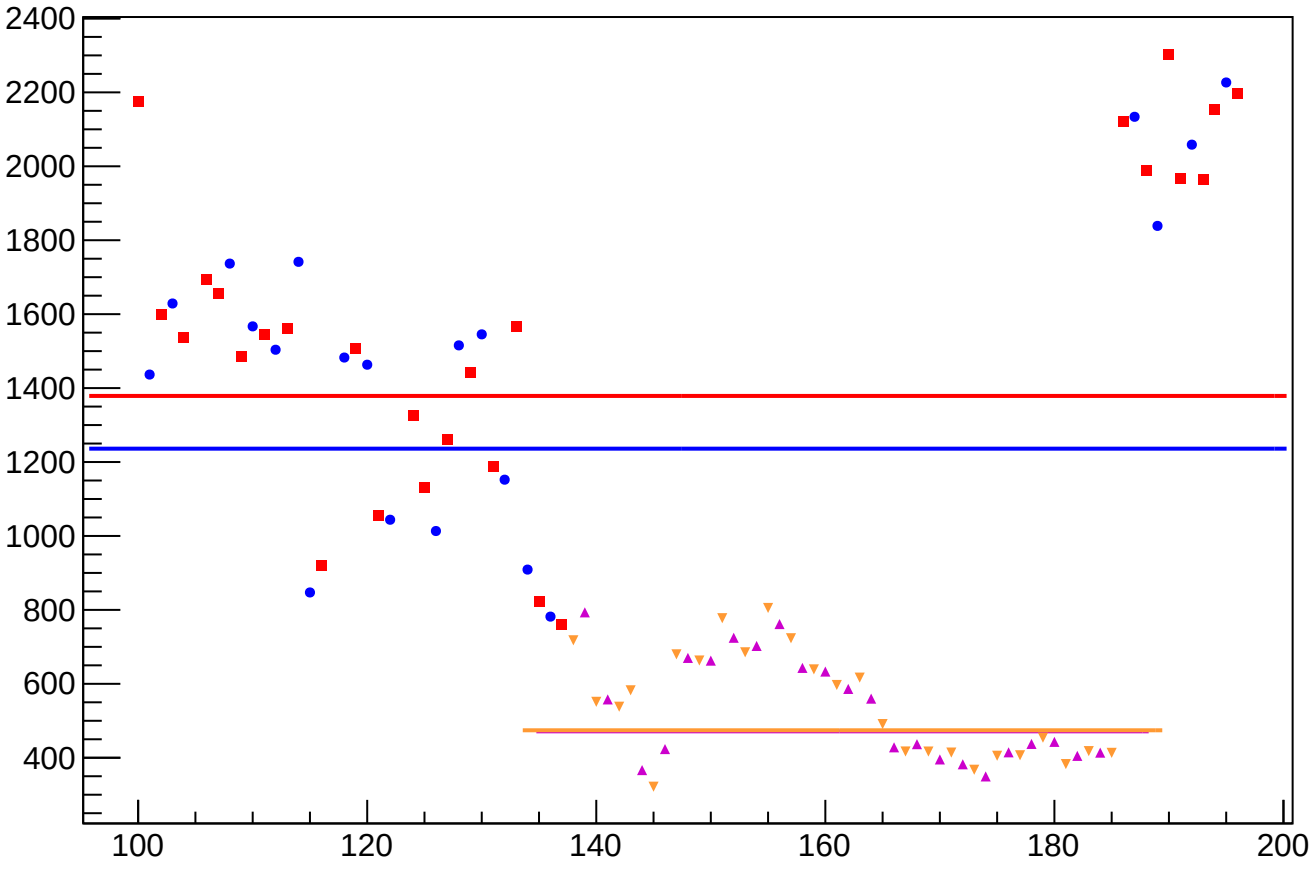
Right Out: -839.096+/-419.371 χ^2/NDF: 19.1/25

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.296+/-107.993 χ^2/NDF: 80.8/44

All: -274.146+/-77.134 χ^2/NDF: 138.2/93

- sign -108.398+/-110.208 χ^2/NDF: 53.0/48



Right In: 1236.149+/-0.296 χ^2/NDF: 2021285.0/19

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1378.794+/-0.297 χ^2/NDF: 2175161.2/25

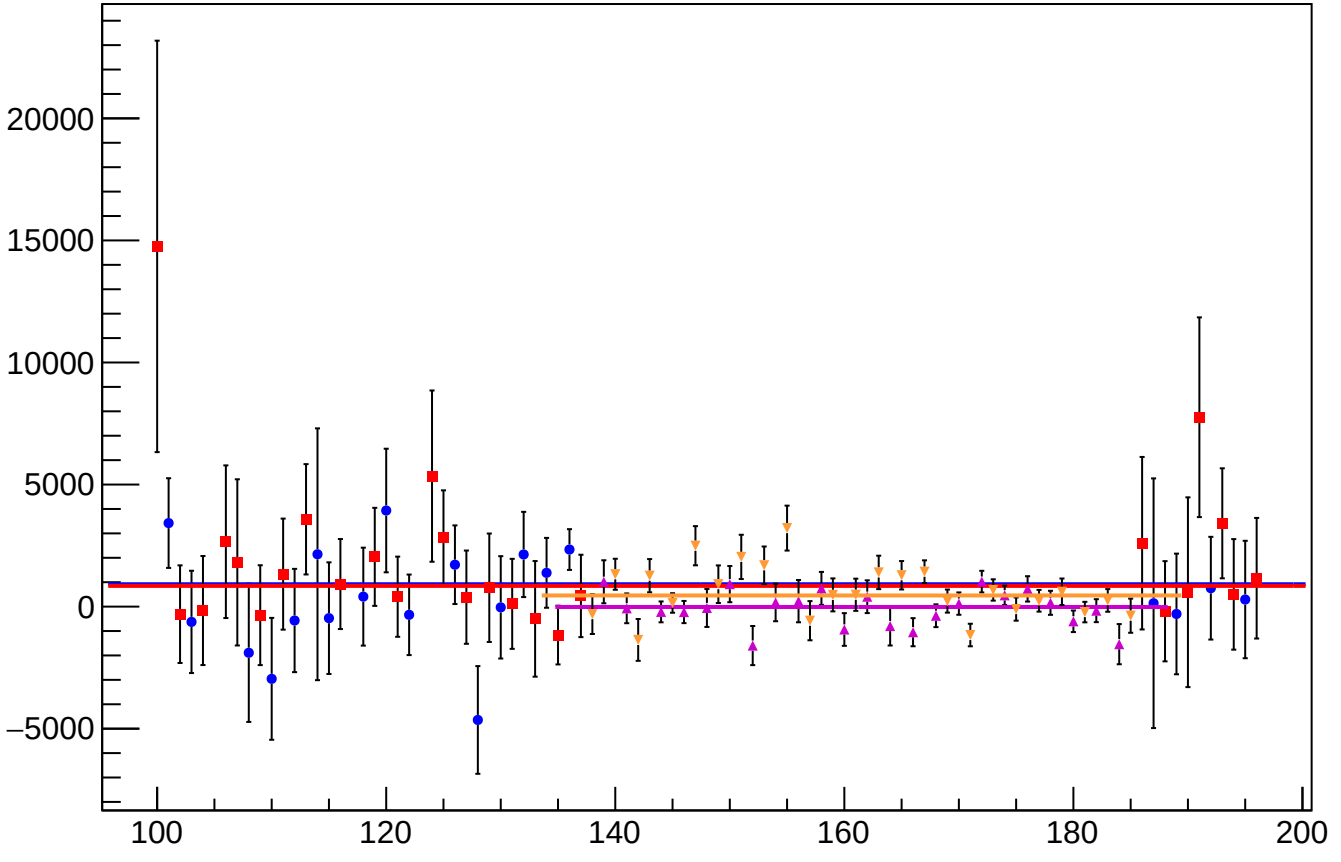
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 524.958+/-0.076 χ^2/NDF: 10739436.4/44

All: 529.445+/-0.055 χ^2/NDF: 23846507.4/93

- sign 534.118+/-0.078 χ^2/NDF: 13100022.8/48

asym_sam_3726_avg_mean vs Slug



Right In: 916.142+/-418.681 χ^2/NDF: 19.4/19

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 849.153+/-425.128 χ^2/NDF: 16.7/25

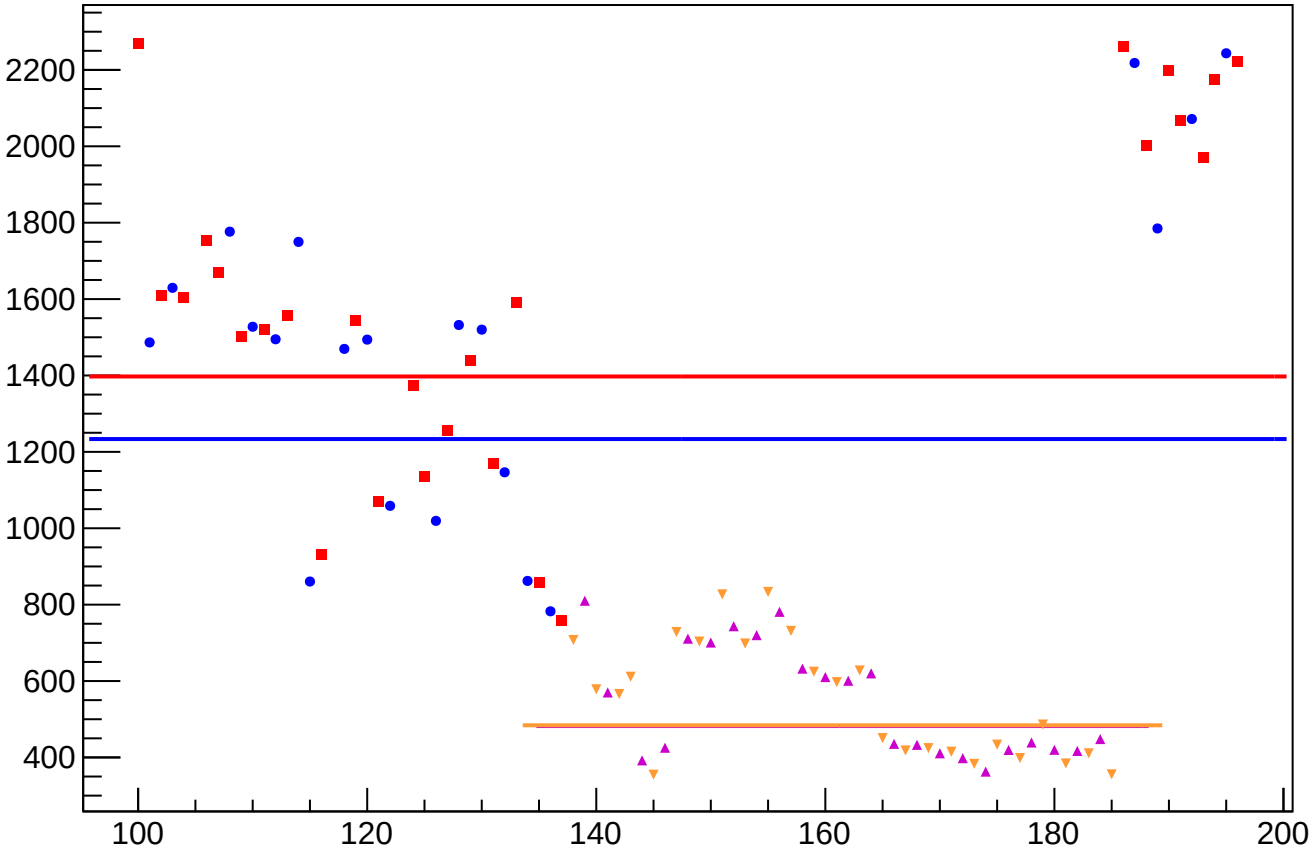
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.139+/-110.311 χ^2/NDF: 79.9/44

All: 271.738+/-78.777 χ^2/NDF: 138.7/93

- sign 45.471+/-112.538 χ^2/NDF: 50.9/48

asym_sam_3726_avg_rms vs Slug



Right In: 1233.571+/-0.296 χ^2/NDF: 2061944.6/19

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

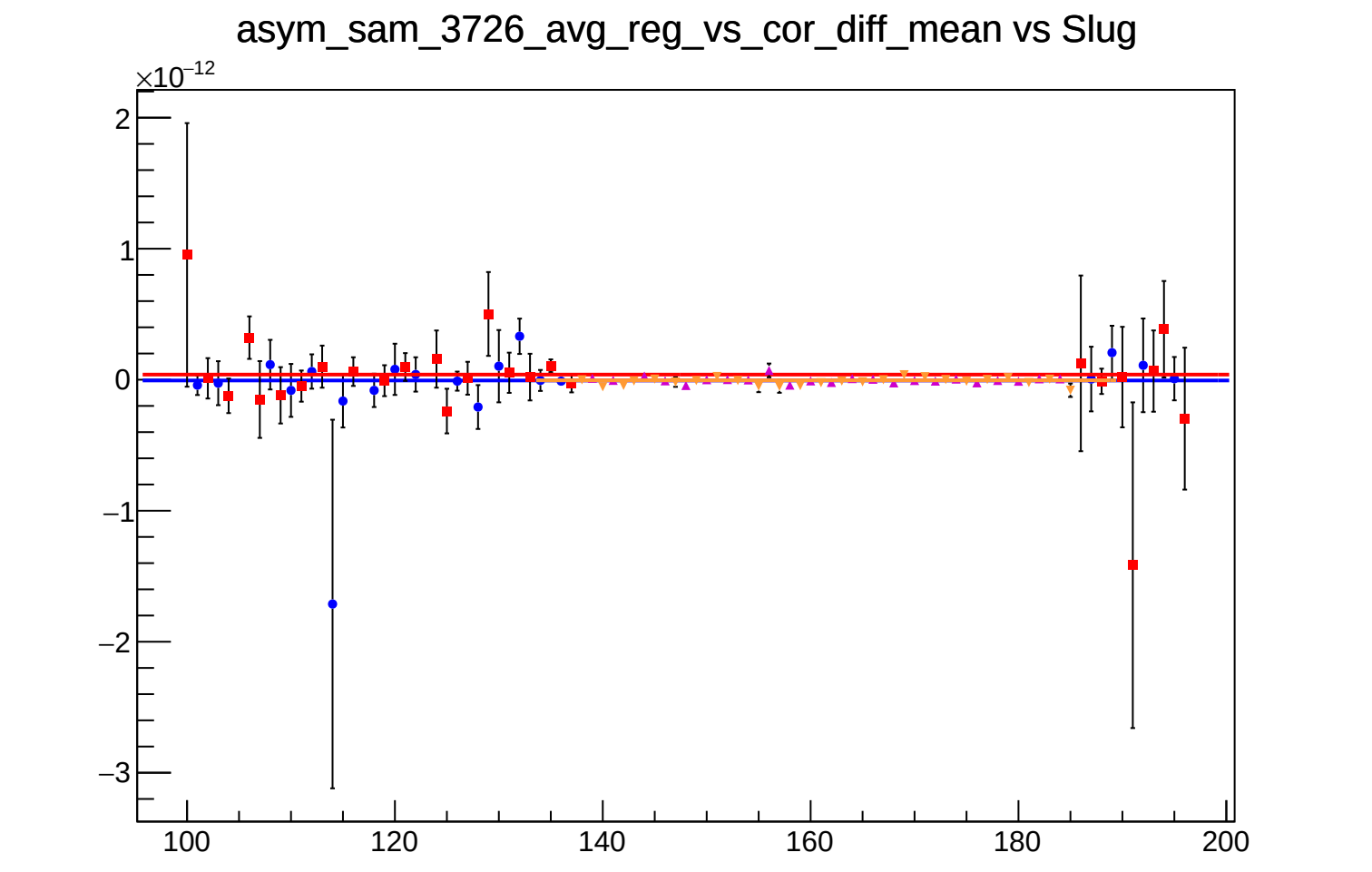
Right Out: 1397.387+/-0.301 χ^2/NDF: 2139766.6/25

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 536.153+/-0.078 χ^2/NDF: 10573844.4/44

All: 541.122+/-0.056 χ^2/NDF: 23528376.3/93

- sign 546.293+/-0.080 χ^2/NDF: 12946250.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/25

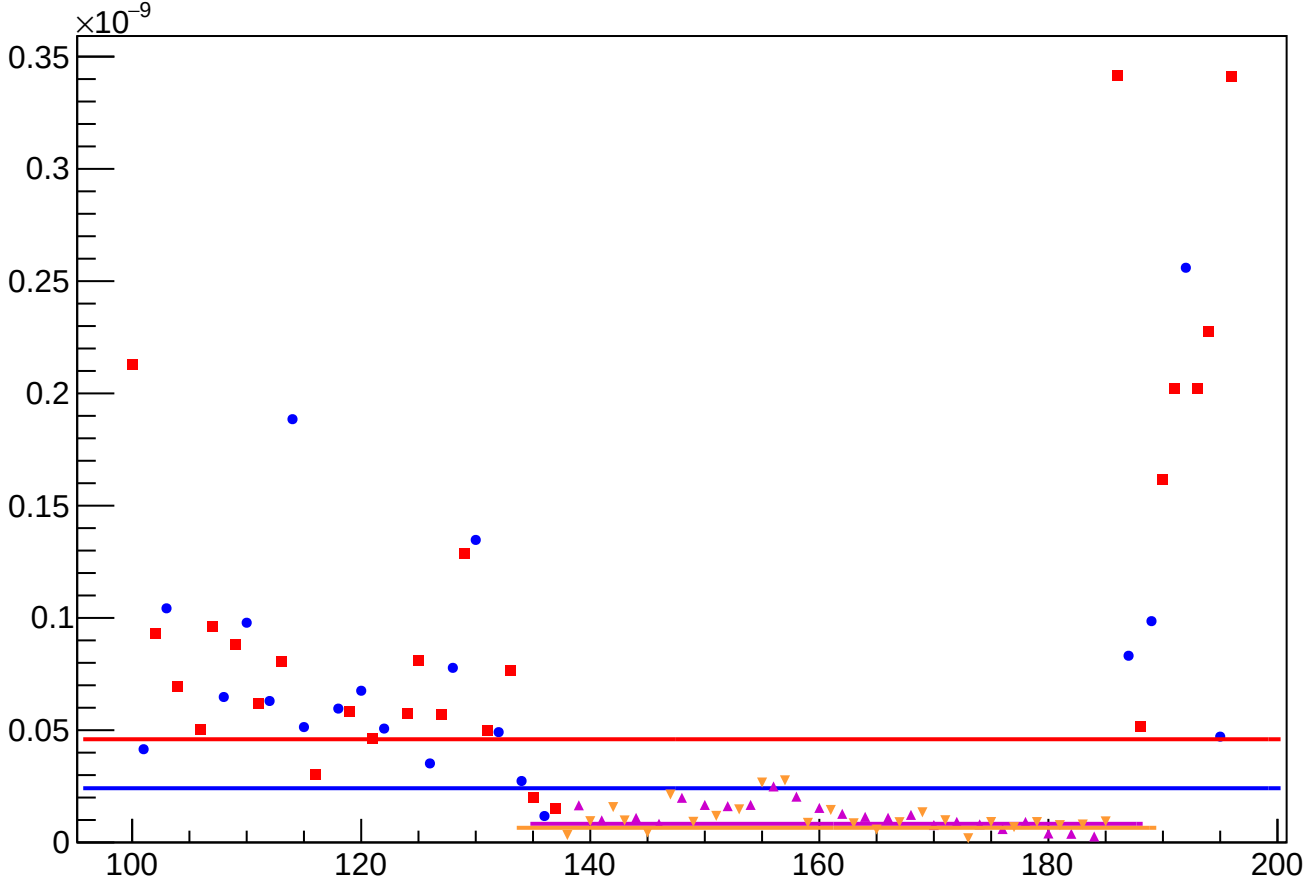
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/44

All: -0.000+/-0.000 χ^2/NDF: 80.3/93

- sign -0.000+/-0.000 χ^2/NDF: 36.3/48

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4126070.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4102241.3/25

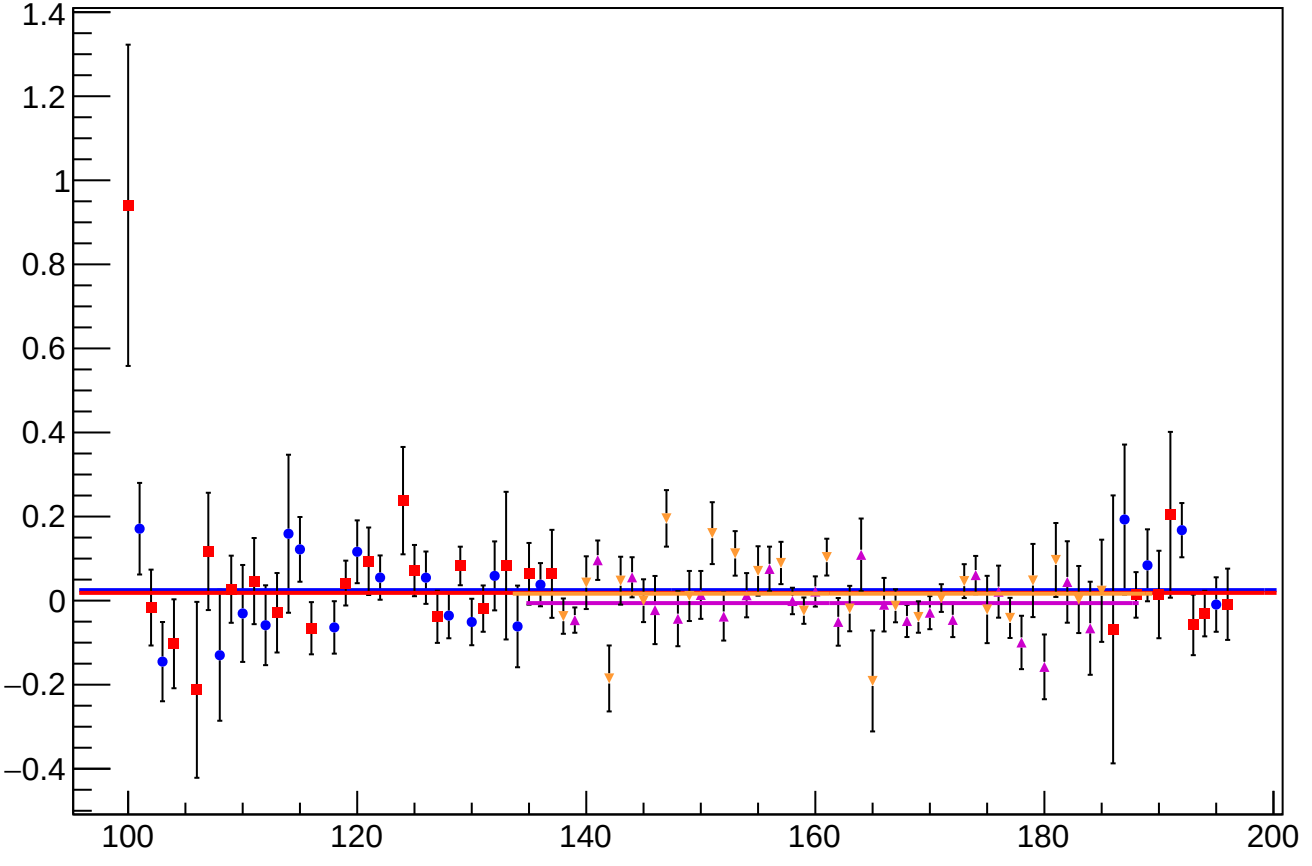
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9909517.9/44

All: 0.000+/-0.000 χ^2/NDF: 21317401.7/93

- 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+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

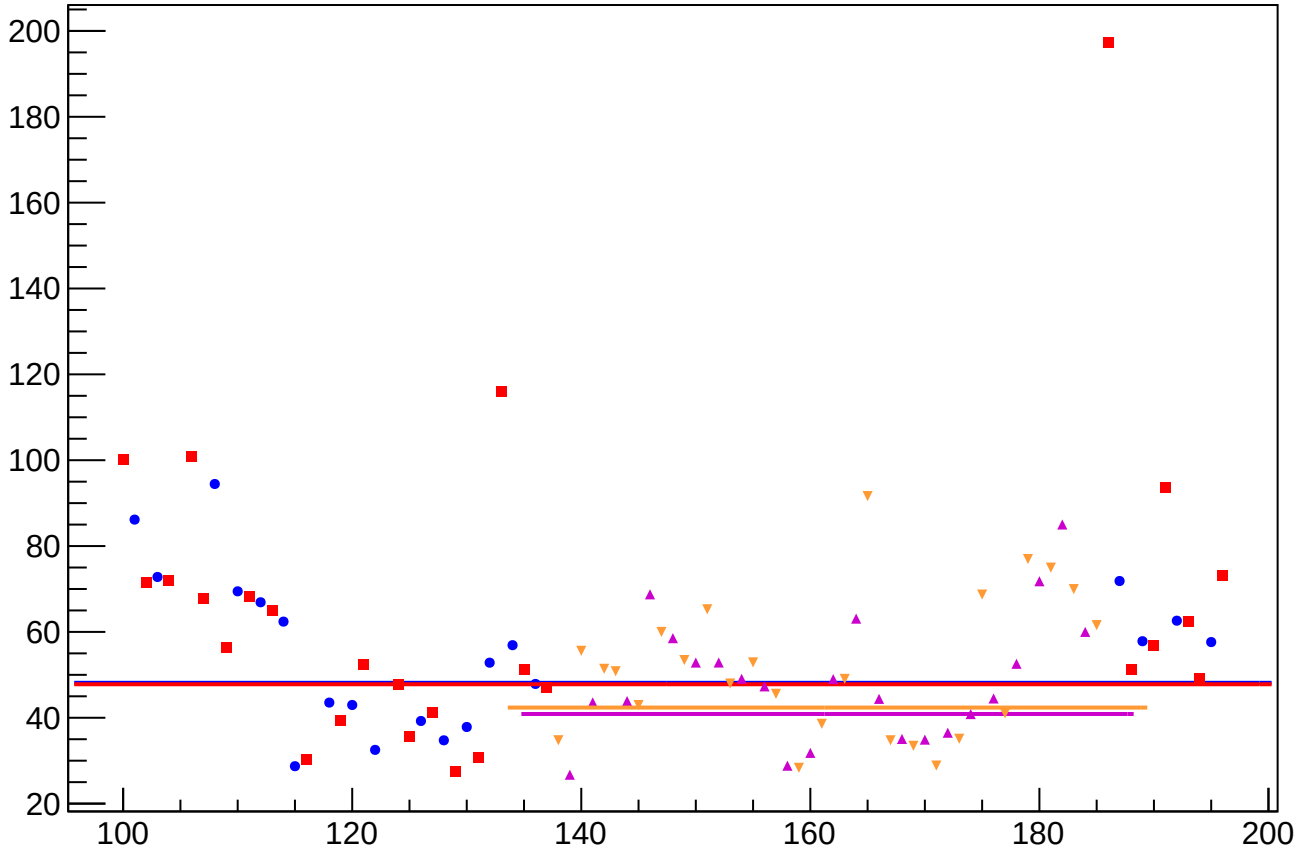
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/93

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.143+/-0.012 χ^2/NDF: 1499324.0/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

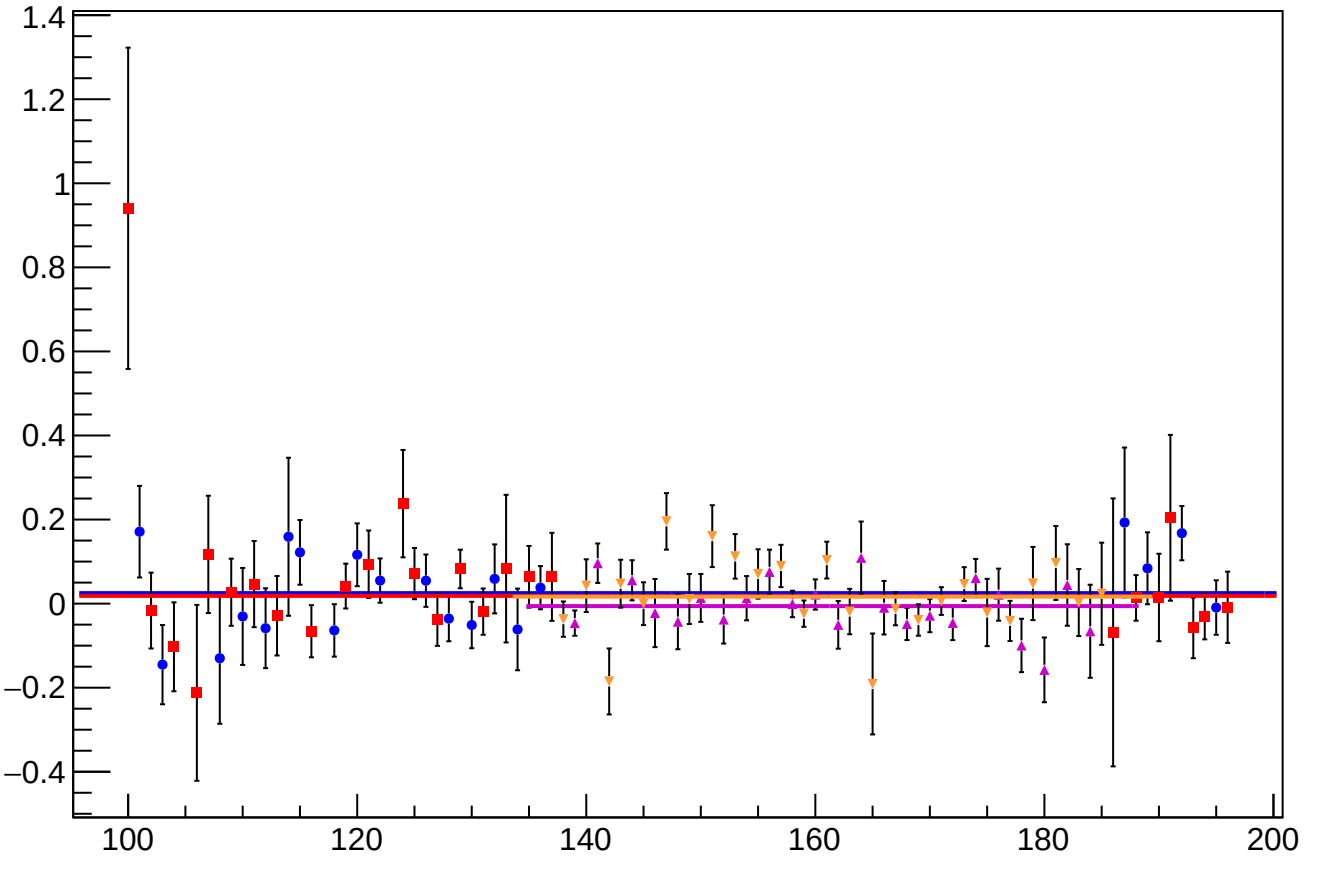
Right Out: 47.804+/-0.011 χ^2/NDF: 2661382.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864123.1/44

All: 43.497+/-0.004 χ^2/NDF: 10497962.2/93

- sign 43.033+/-0.006 χ^2/NDF: 5621679.5/48



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

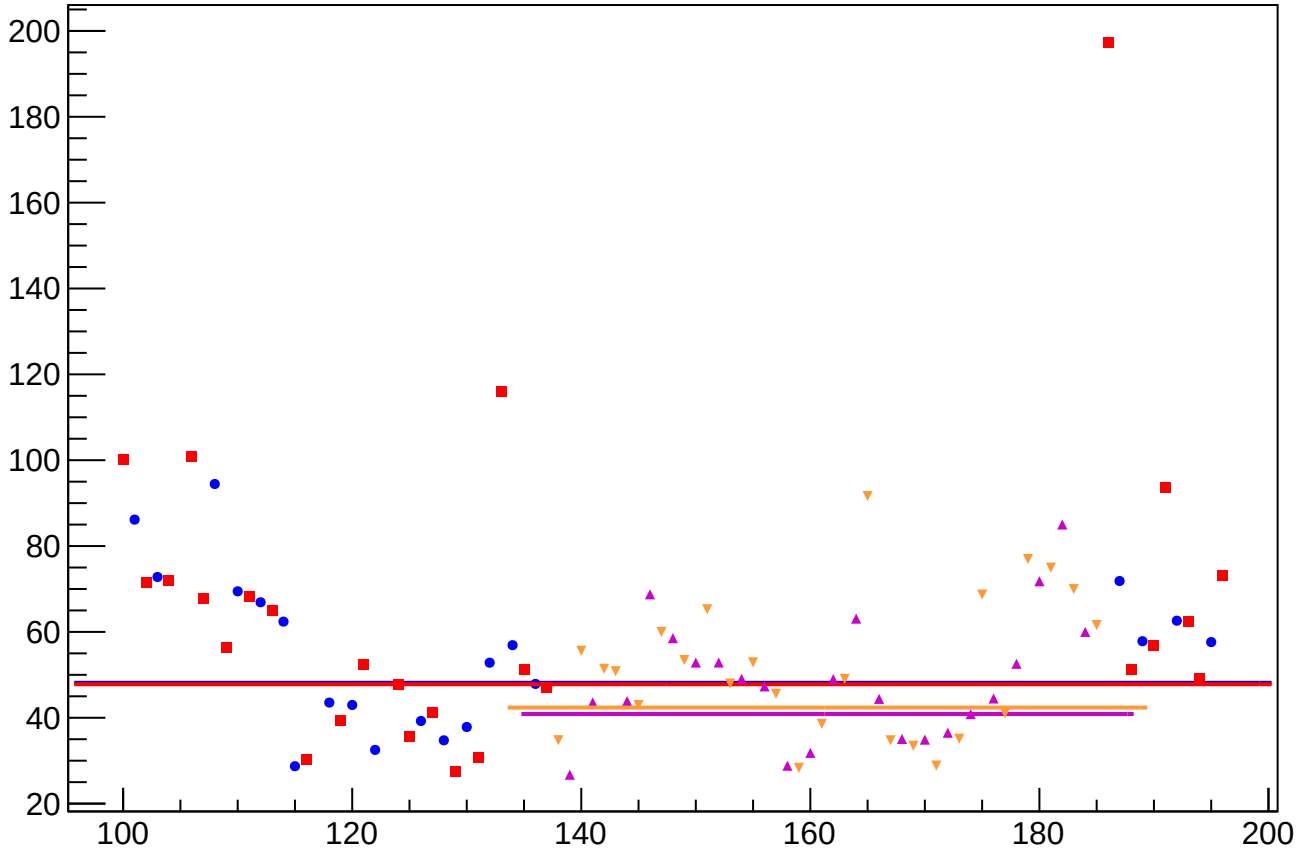
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/93

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.143+/-0.012 χ^2/NDF: 1499324.0/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

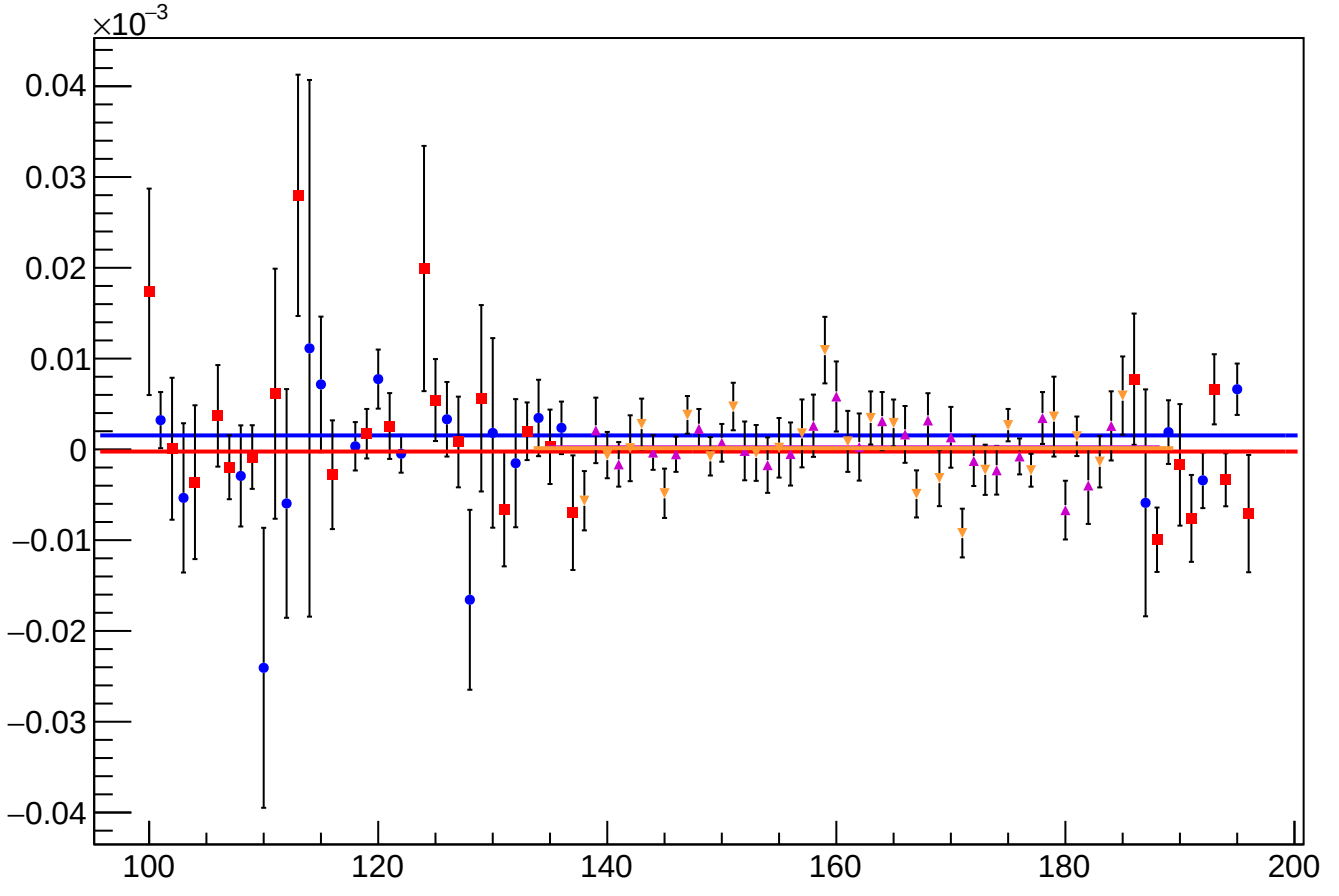
Right Out: 47.804+/-0.011 χ^2/NDF: 2661382.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.988+/-0.006 χ^2/NDF: 4864123.1/44

All: 43.497+/-0.004 χ^2/NDF: 10497962.2/93

\- sign 43.033+/-0.006 χ^2/NDF: 5621679.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

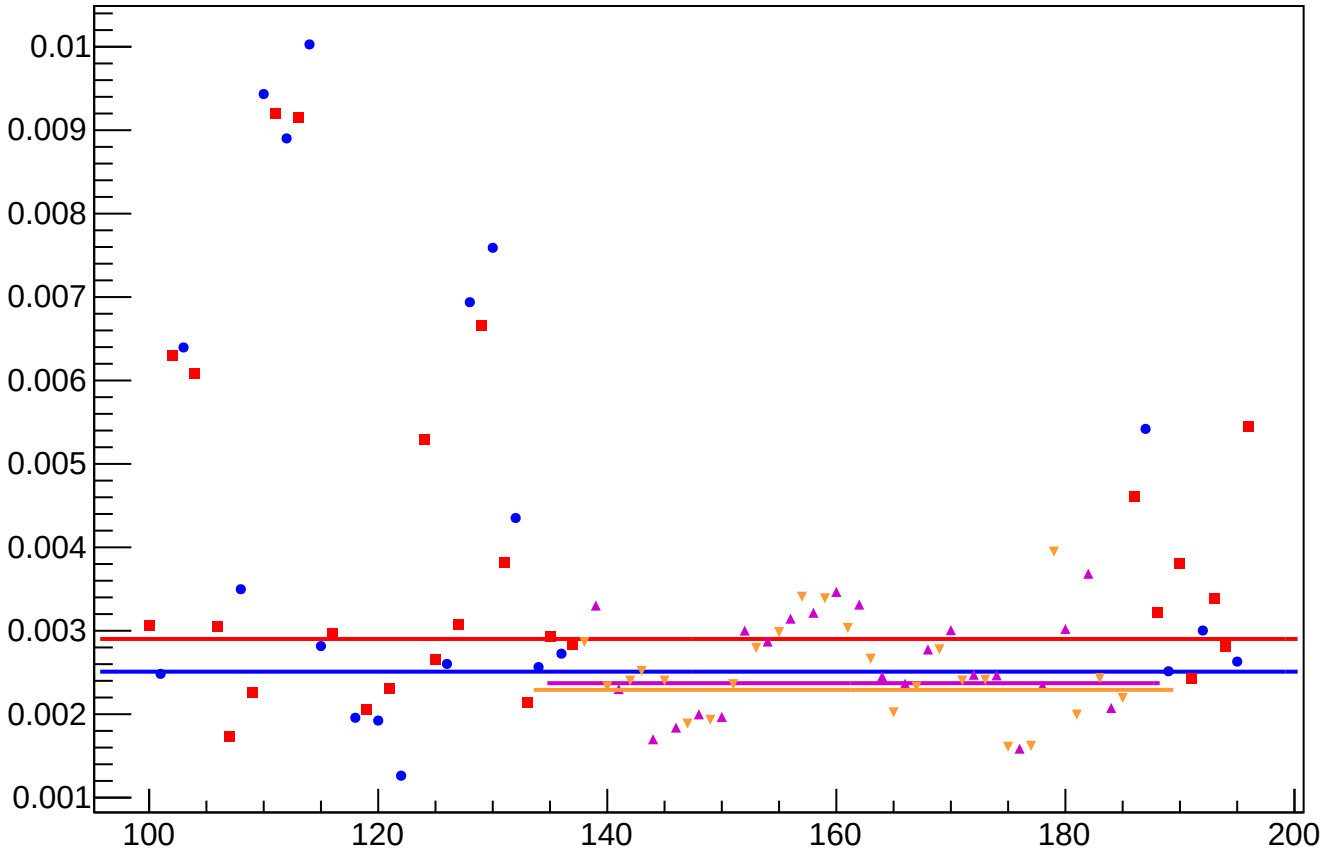
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/25

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/44

All: 0.000+/-0.000 χ^2/NDF: 121.3/93

- sign 0.000+/-0.000 χ^2/NDF: 48.7/48



Right In: 0.003+/-0.000 χ^2/NDF: 3612467.2/19

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3081697.9/25

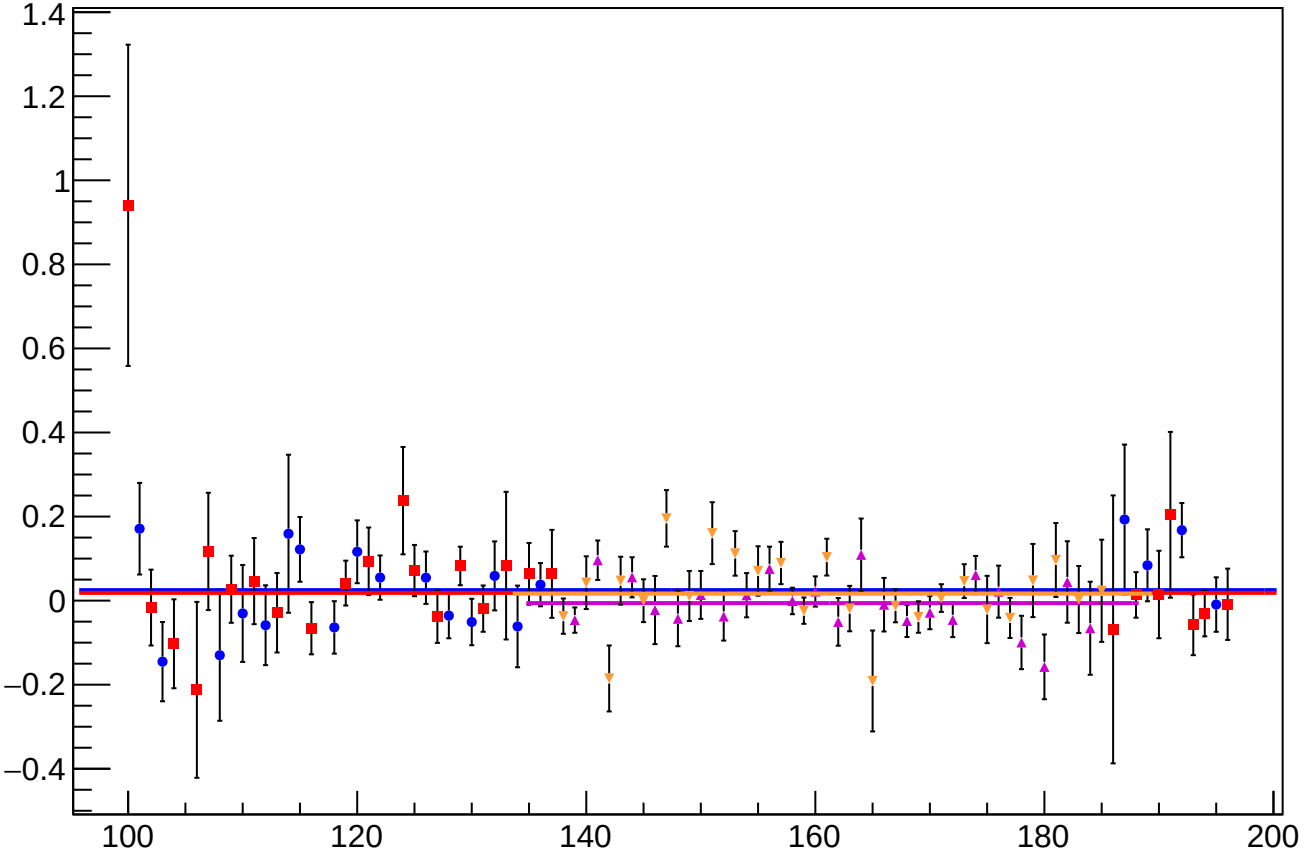
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5518222.4/44

All: 0.002+/-0.000 χ^2/NDF: 11221464.5/93

- sign 0.003+/-0.000 χ^2/NDF: 5573657.6/48

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

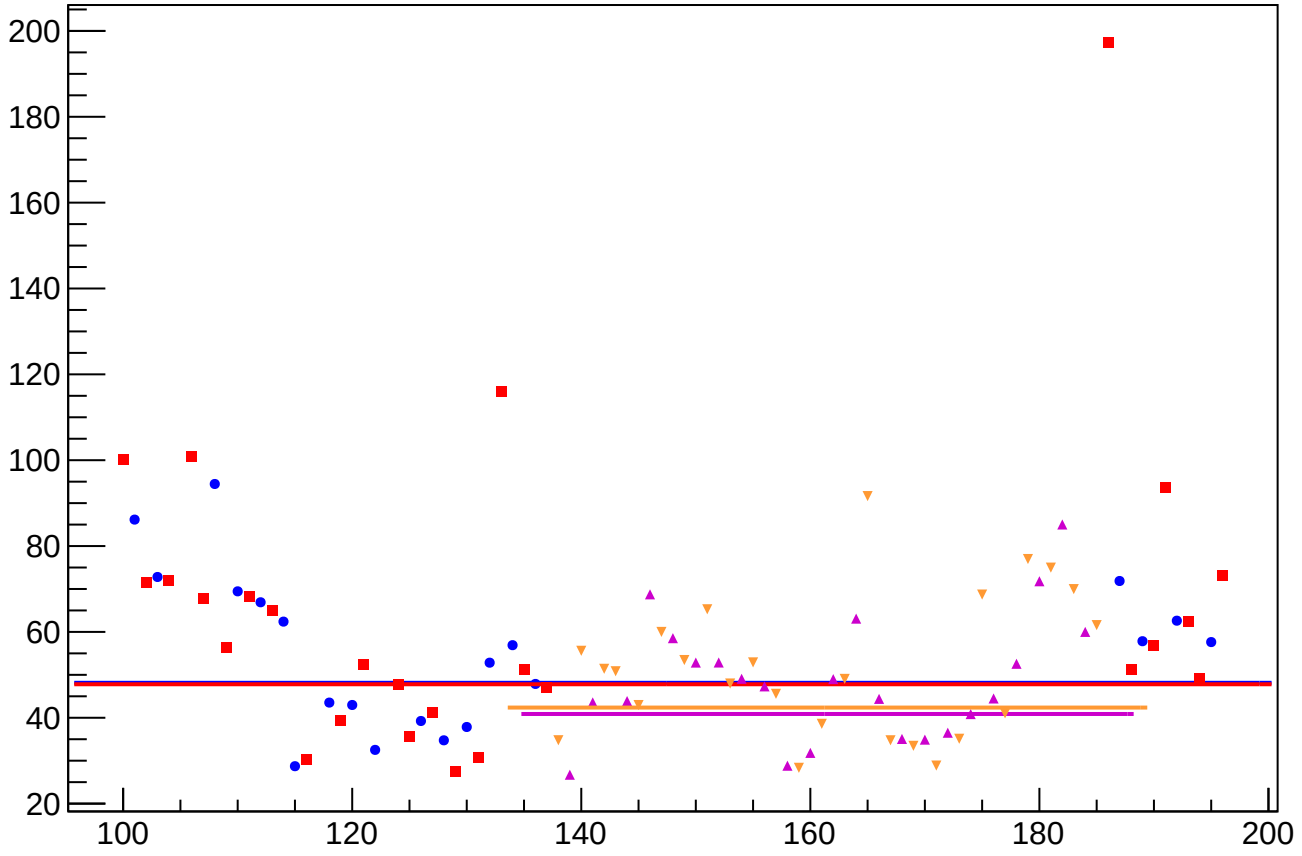
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/93

- 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: 48.143+/-0.012 χ^2/NDF: 1499278.4/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 47.805+/-0.011 χ^2/NDF: 2661266.1/25

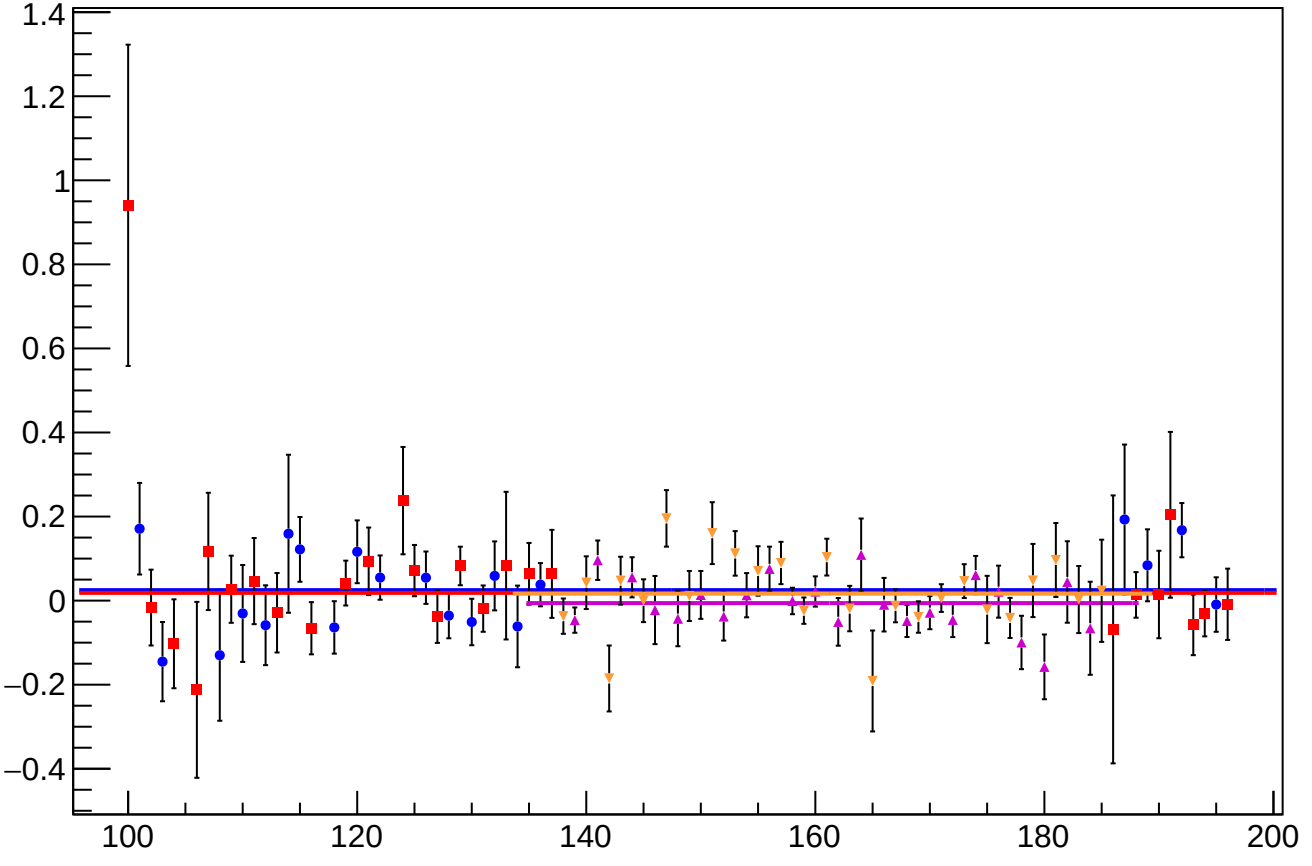
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864085.4/44

All: 43.497+/-0.004 χ^2/NDF: 10497814.4/93

- 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+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

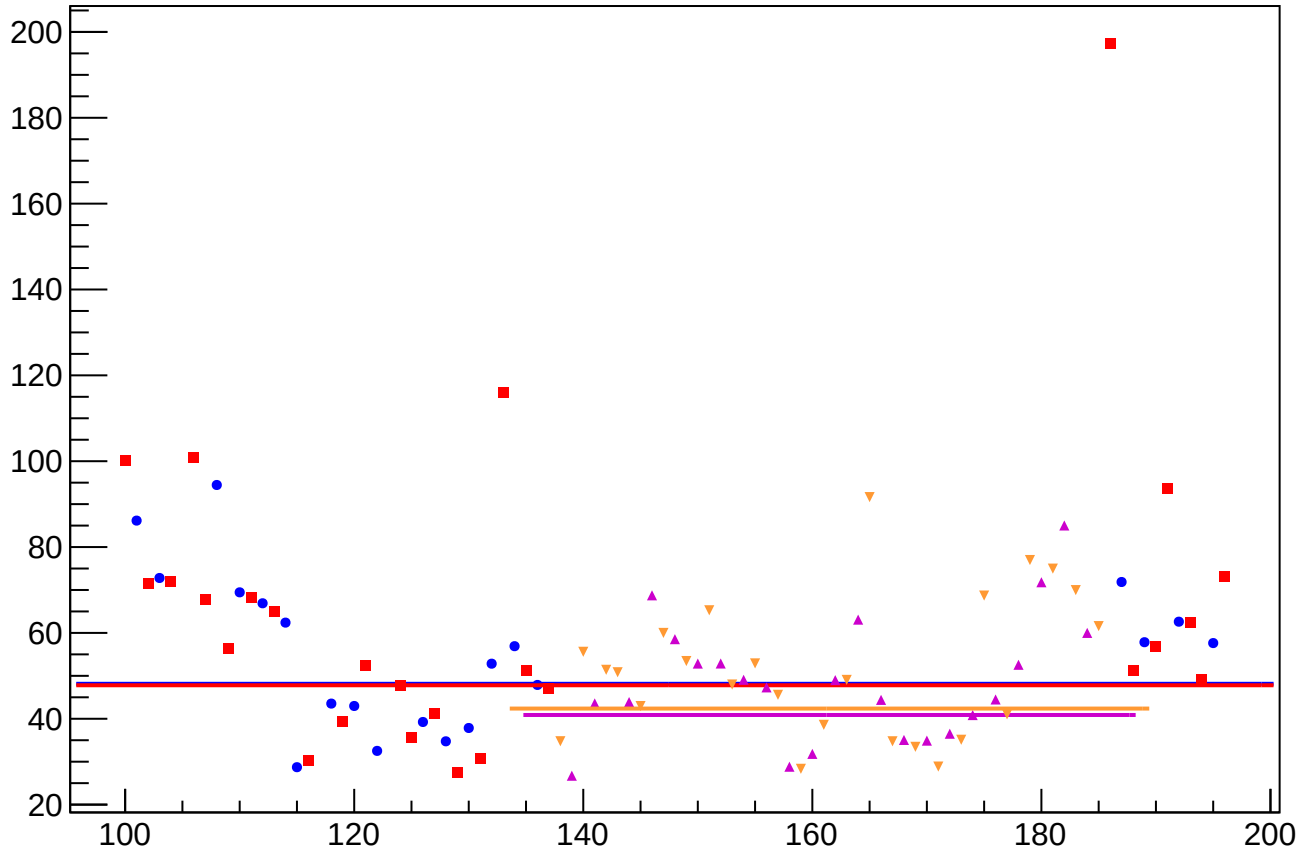
Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/93

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48



Right In: 48.143+/-0.012 χ^2/NDF: 1499278.4/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

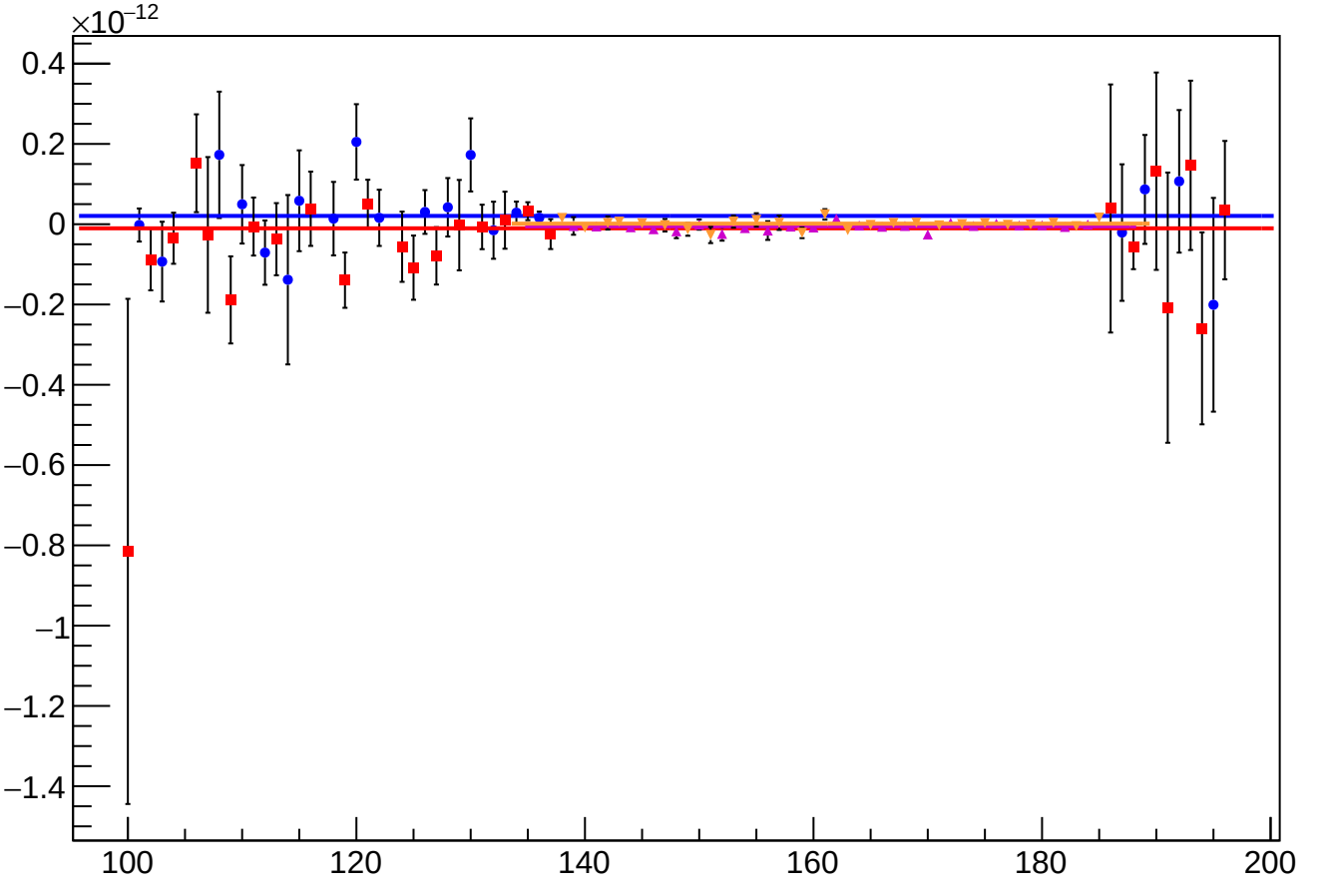
Right Out: 47.805+/-0.011 χ^2/NDF: 2661266.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864085.4/44

All: 43.497+/-0.004 χ^2/NDF: 10497814.4/93

- sign 43.034+/-0.006 χ^2/NDF: 5621572.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/25

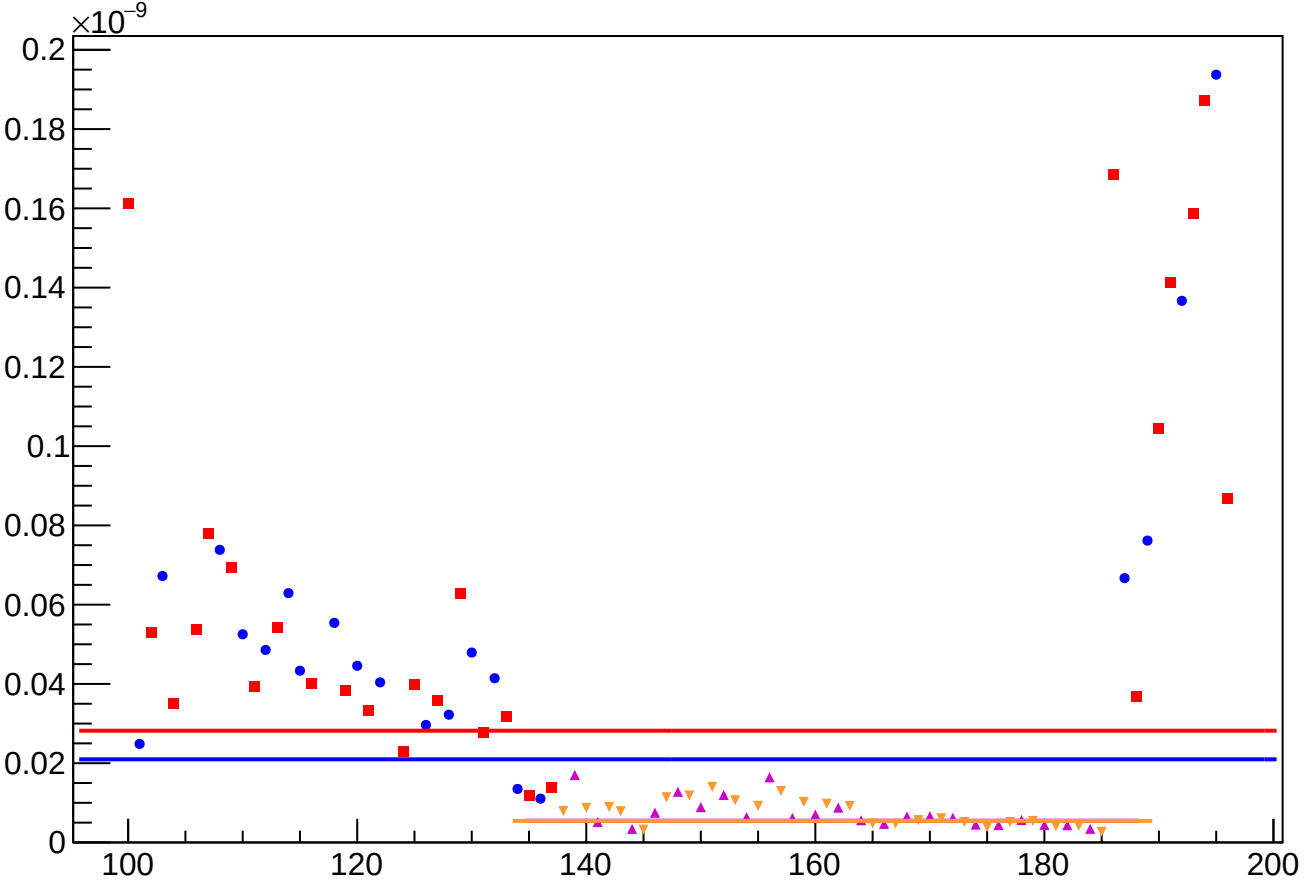
Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/44

All: -0.000+/-0.000 χ^2/NDF: 79.1/93

- sign -0.000+/-0.000 χ^2/NDF: 35.3/48

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5435904.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542898.6/25

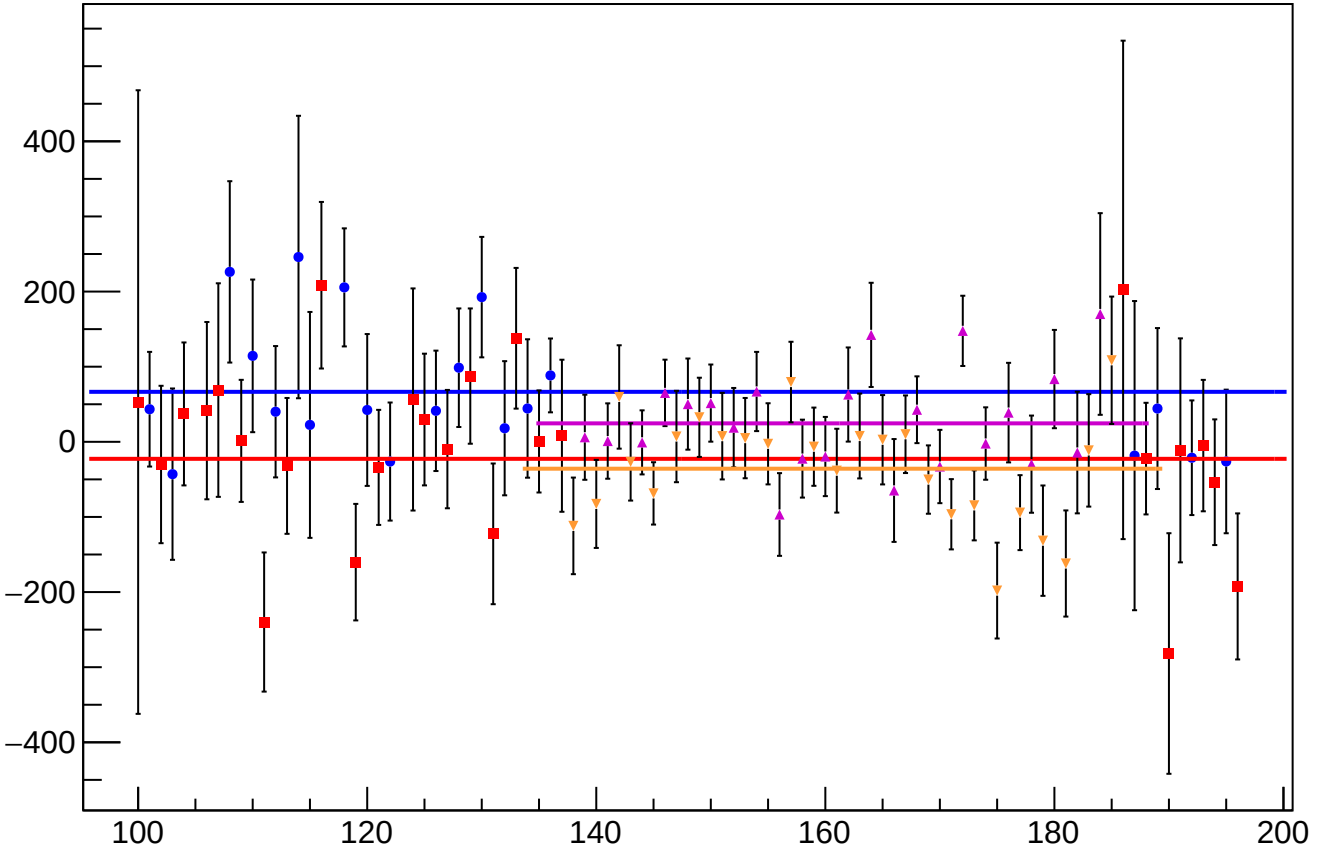
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13055658.8/44

All: 0.000+/-0.000 χ^2/NDF: 27244410.2/93

- sign 0.000+/-0.000 χ^2/NDF: 14186872.4/48

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 66.546+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.640+/-18.920 χ^2/NDF: 27.0/25

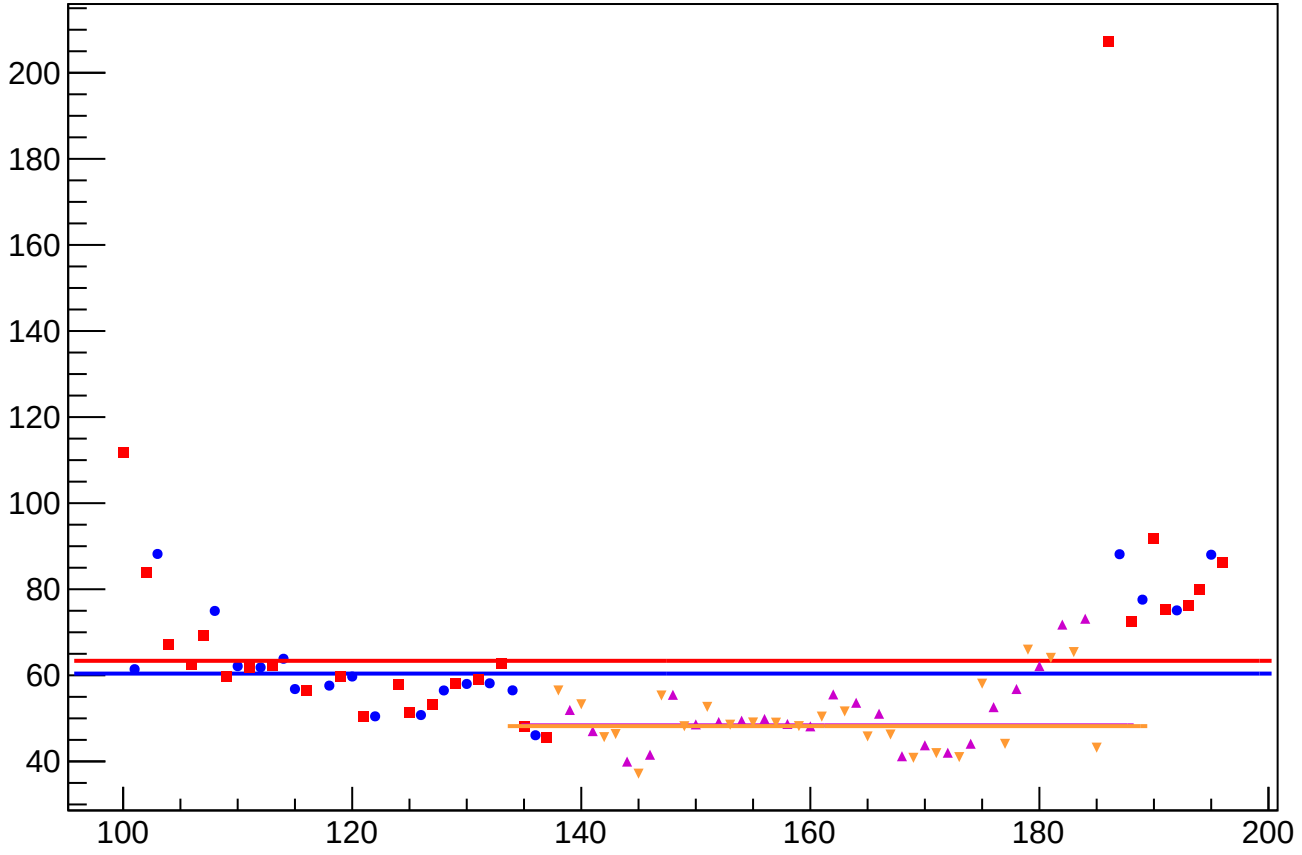
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.180+/-9.691 χ^2/NDF: 68.5/44

All: 0.211+/-6.894 χ^2/NDF: 128.6/93

- sign 11.882+/-9.809 χ^2/NDF: 57.3/48

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 60.404+/-0.014 χ^2/NDF: 725147.4/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

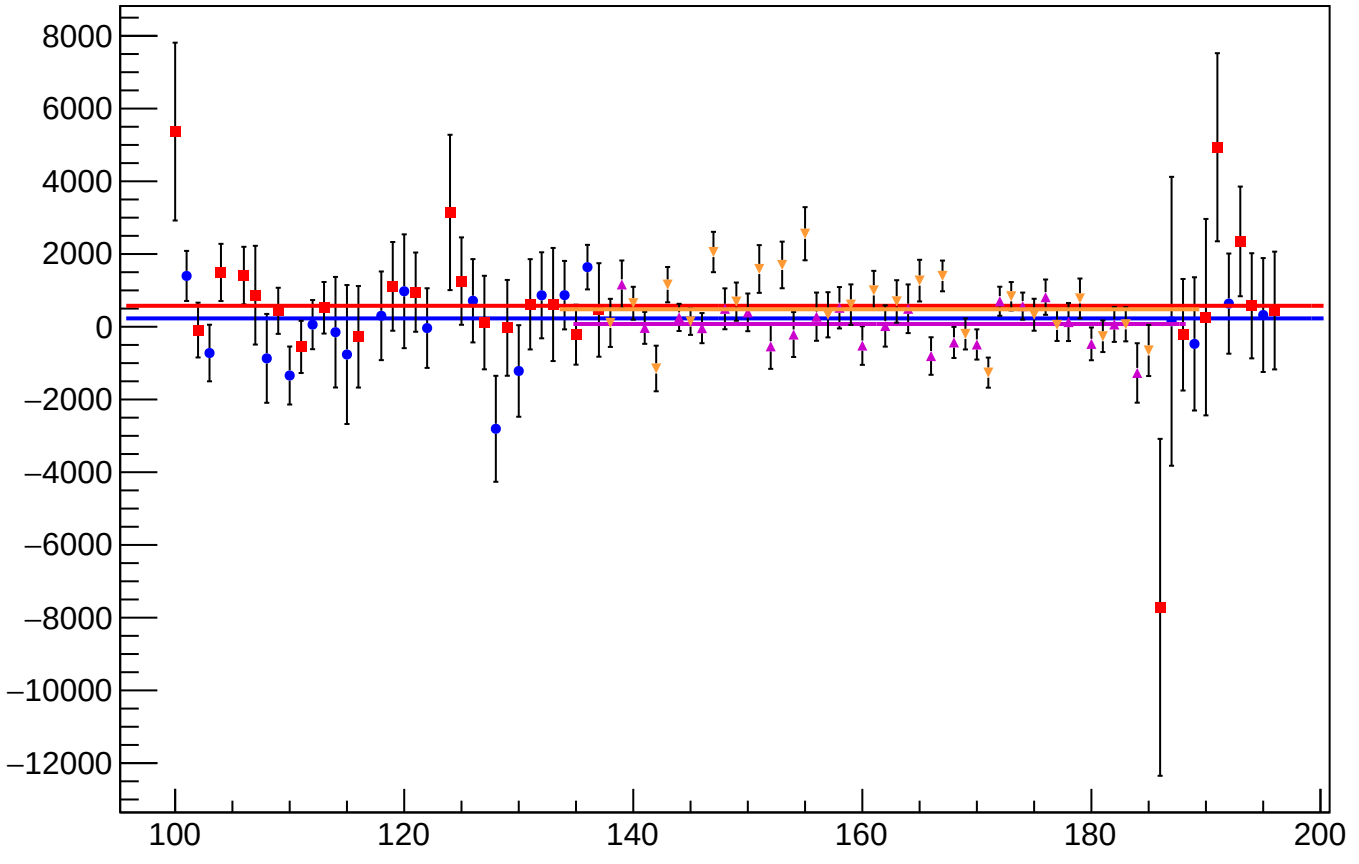
Right Out: 63.372+/-0.013 χ^2/NDF: 1146016.1/25

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084927.9/44

All: 51.764+/-0.005 χ^2/NDF: 4861631.1/93

- sign 52.410+/-0.007 χ^2/NDF: 2759554.6/48



Right In: 229.745+/-232.611 χ^2/NDF: 21.9/19

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 576.410+/-216.053 χ^2/NDF: 21.1/25

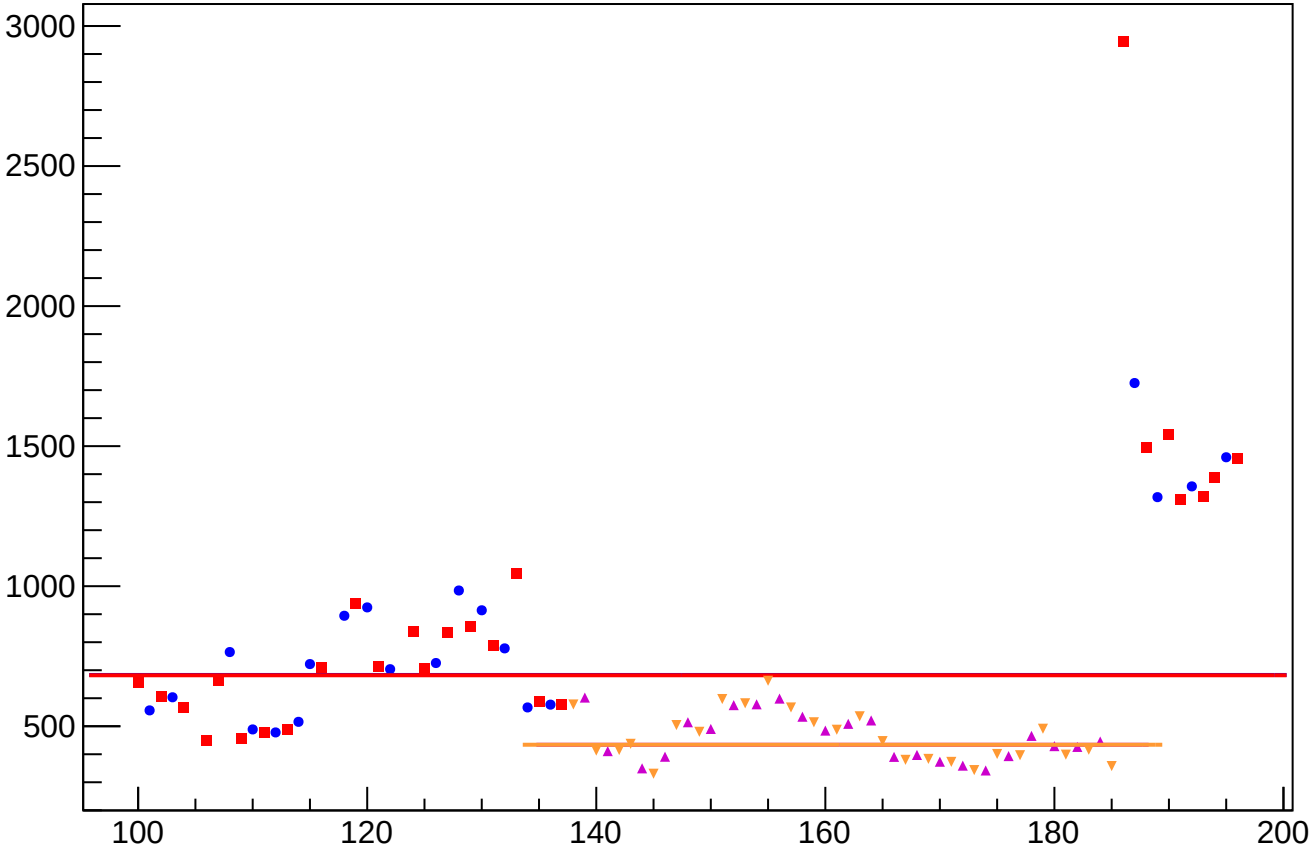
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 440.798+/-92.277 χ^2/NDF: 92.1/44

All: 305.854+/-65.528 χ^2/NDF: 146.3/93

- sign 168.583+/-93.069 χ^2/NDF: 49.9/48

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 683.048+/-0.164 χ^2/NDF: 2141406.9/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 681.989+/-0.153 χ^2/NDF: 3782514.3/25

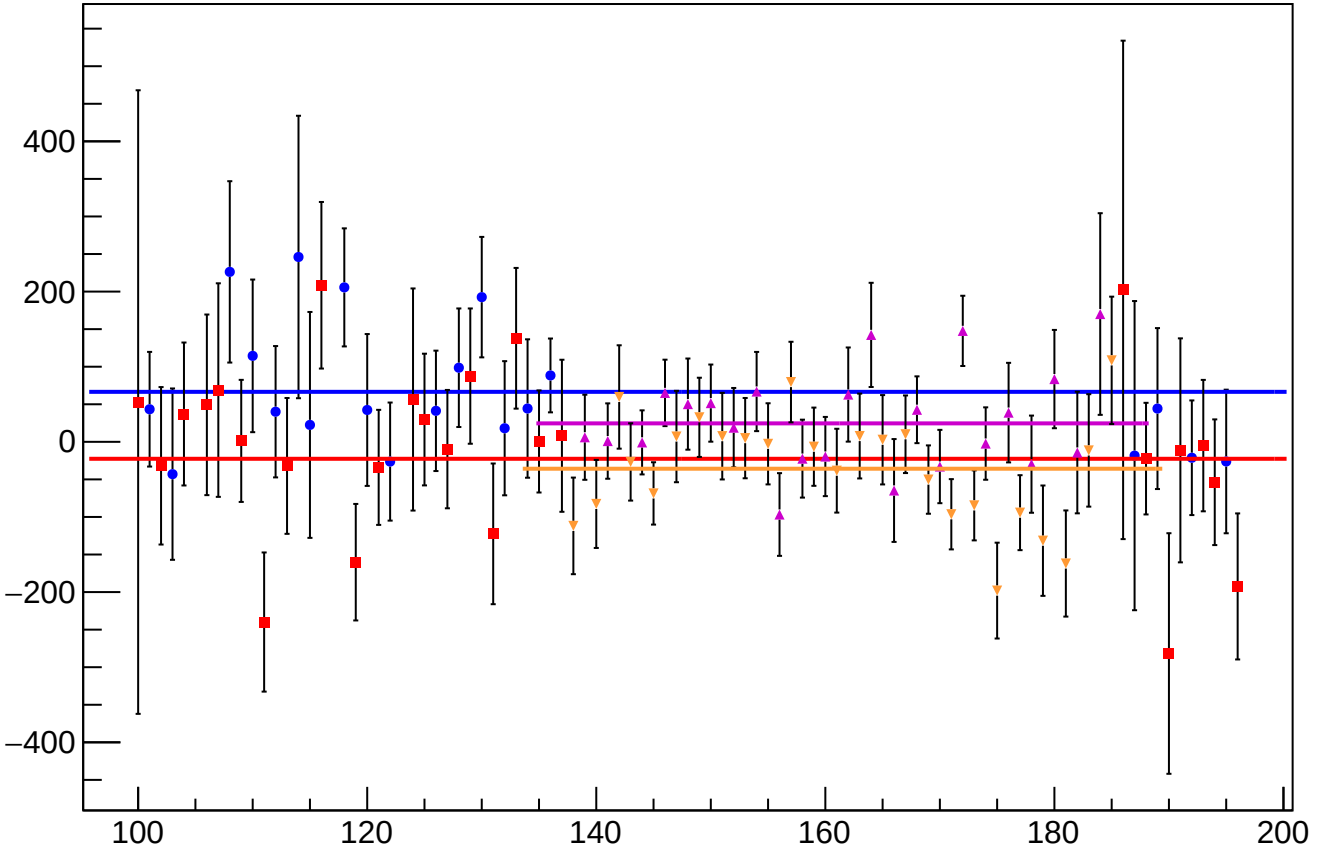
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317799.7/44

All: 476.441+/-0.046 χ^2/NDF: 12351075.5/93

- sign 479.791+/-0.066 χ^2/NDF: 7028135.9/48

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.549+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.567+/-18.929 χ^2/NDF: 27.1/25

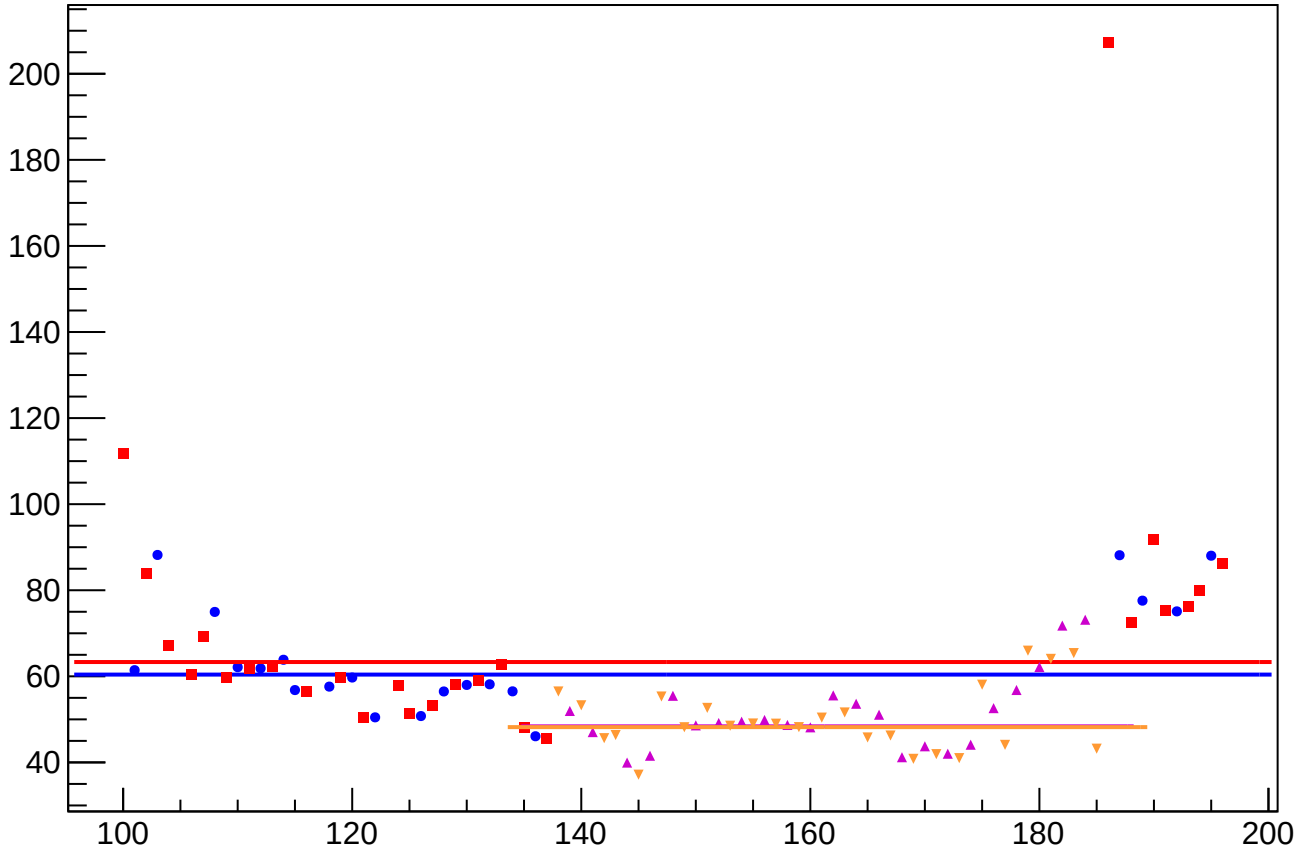
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.184+/-9.691 χ^2/NDF: 68.5/44

All: 0.222+/-6.894 χ^2/NDF: 128.6/93

- sign 11.911+/-9.810 χ^2/NDF: 57.4/48

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 60.404+/-0.014 χ^2/NDF: 725150.9/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.323+/-0.013 χ^2/NDF: 1147294.8/25

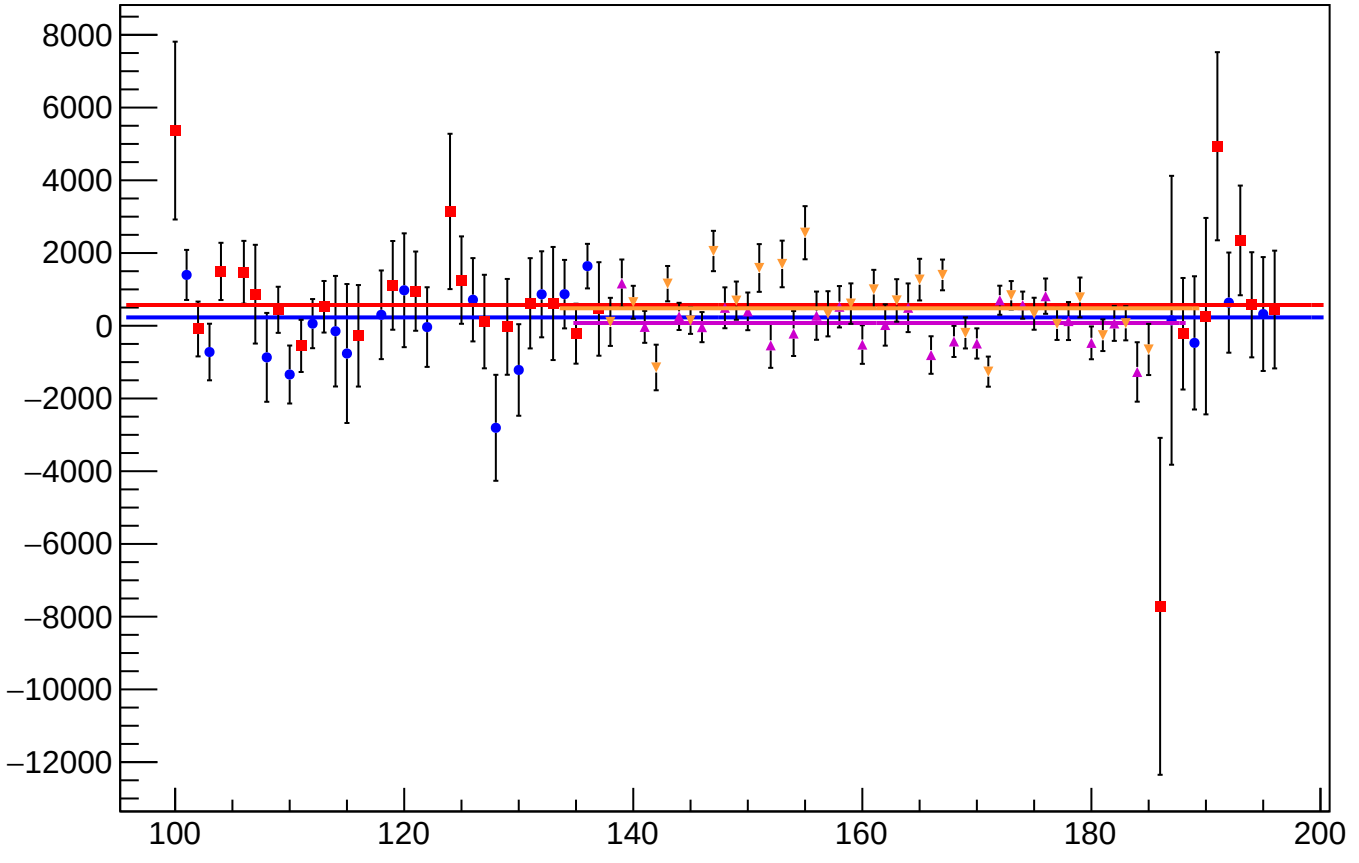
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084931.9/44

All: 51.756+/-0.005 χ^2/NDF: 4855830.3/93

- sign 52.394+/-0.007 χ^2/NDF: 2754180.3/48

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 229.780+/-232.612 χ^2/NDF: 21.9/19

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.785+/-217.351 χ^2/NDF: 21.1/25

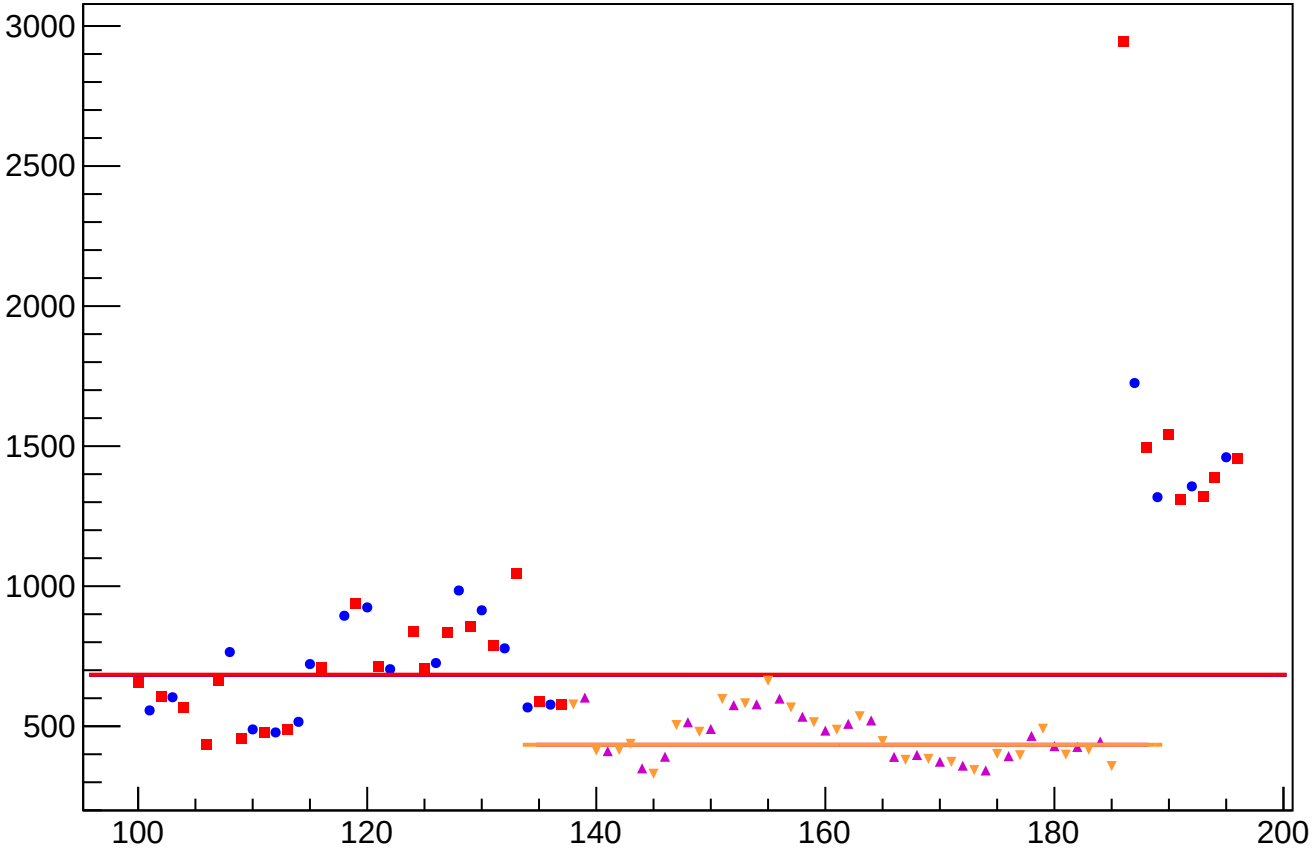
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 440.800+/-92.277 χ^2/NDF: 92.1/44

All: 305.047+/-65.564 χ^2/NDF: 146.2/93

- sign 166.648+/-93.172 χ^2/NDF: 49.8/48

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 683.053+/-0.164 χ^2/NDF: 2141379.6/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 683.988+/-0.154 χ^2/NDF: 3771427.1/25

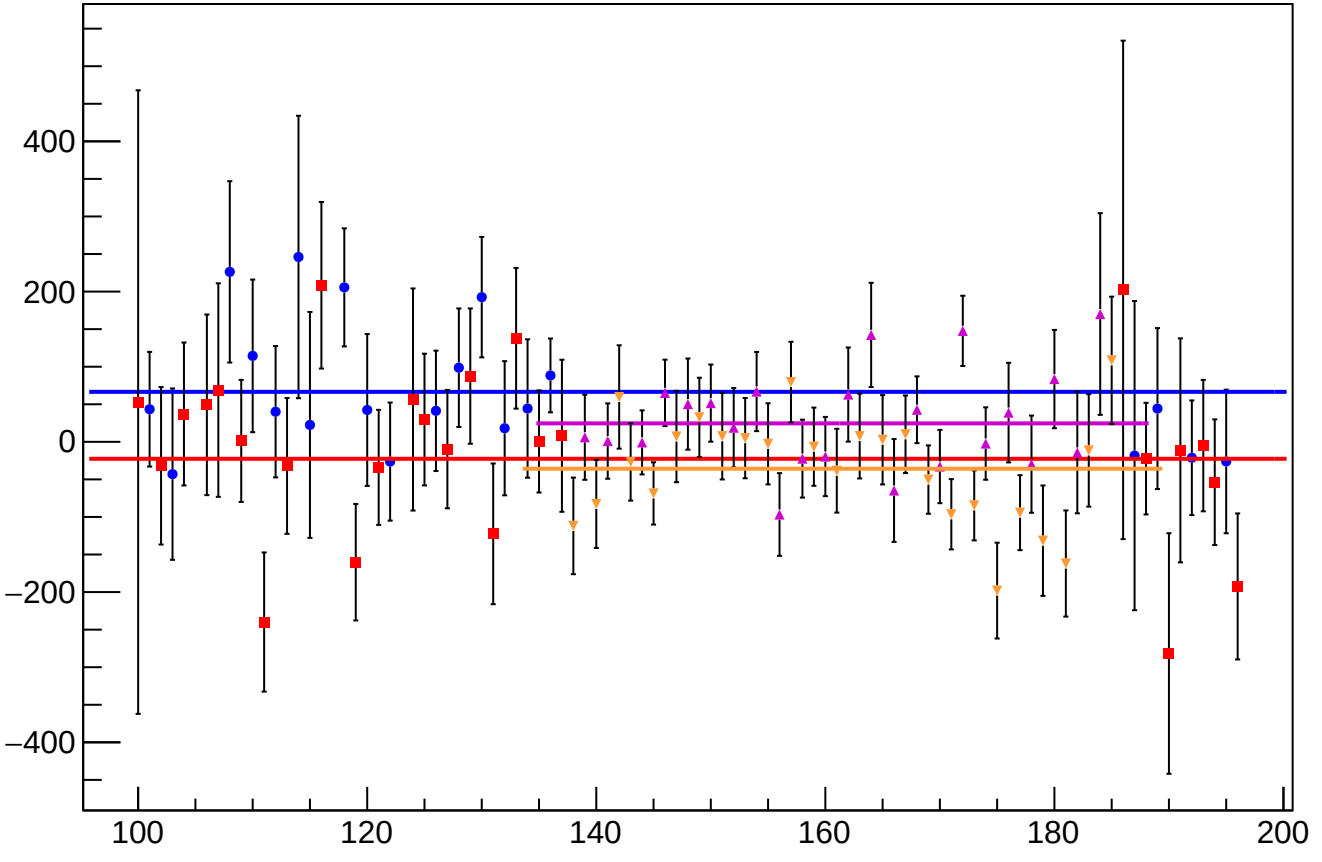
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317828.1/44

All: 476.397+/-0.046 χ^2/NDF: 12353413.0/93

- sign 479.711+/-0.066 χ^2/NDF: 7030574.7/48

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.549+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.567+/-18.929 χ^2/NDF: 27.1/25

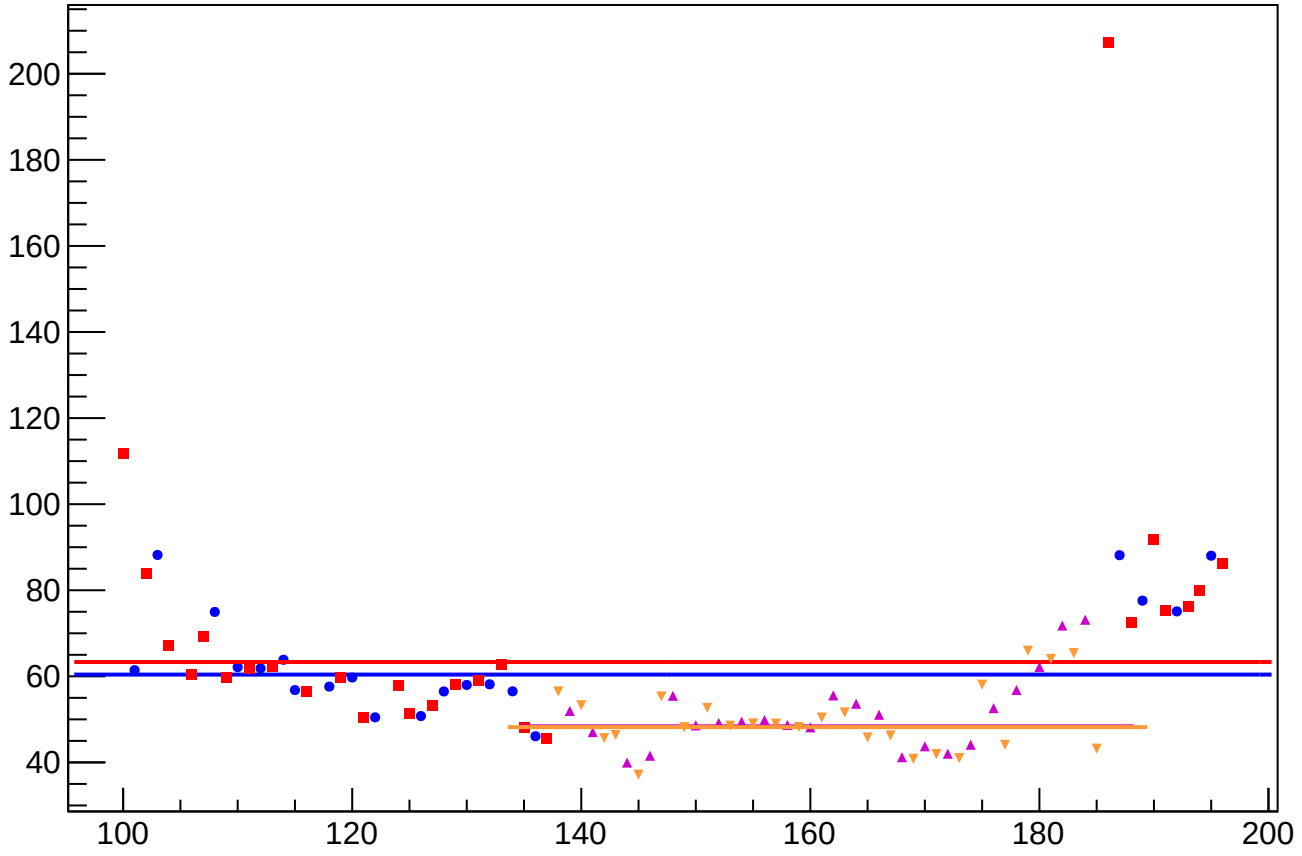
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.184+/-9.691 χ^2/NDF: 68.5/44

All: 0.222+/-6.894 χ^2/NDF: 128.6/93

- sign 11.911+/-9.810 χ^2/NDF: 57.4/48

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 60.404+/-0.014 χ^2/NDF: 725150.9/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

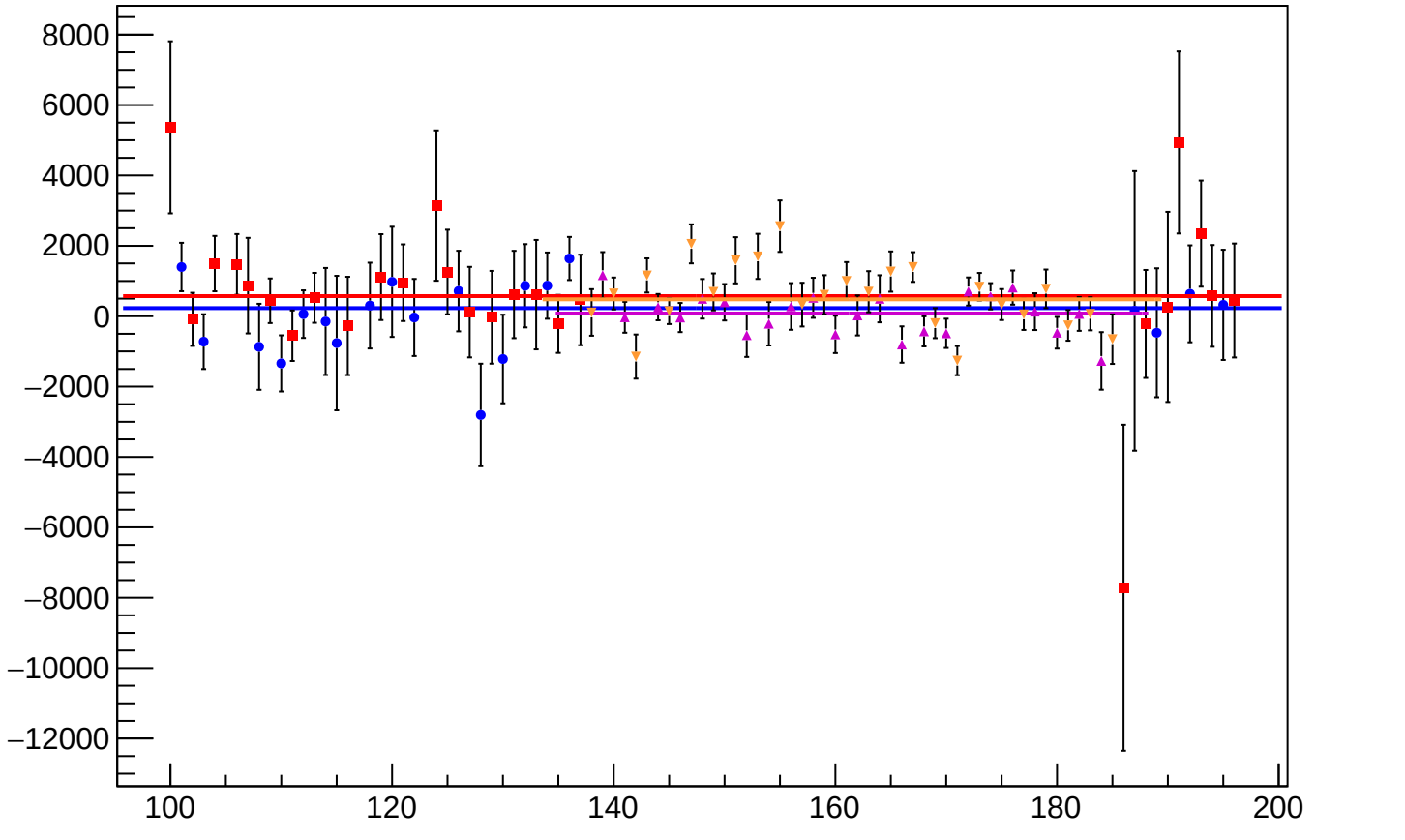
Right Out: 63.323+/-0.013 χ^2/NDF: 1147294.8/25

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084931.9/44

All: 51.756+/-0.005 χ^2/NDF: 4855830.3/93

- sign 52.394+/-0.007 χ^2/NDF: 2754180.3/48



Right In: 229.780+/-232.612 χ^2/NDF: 21.9/19

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.785+/-217.351 χ^2/NDF: 21.1/25

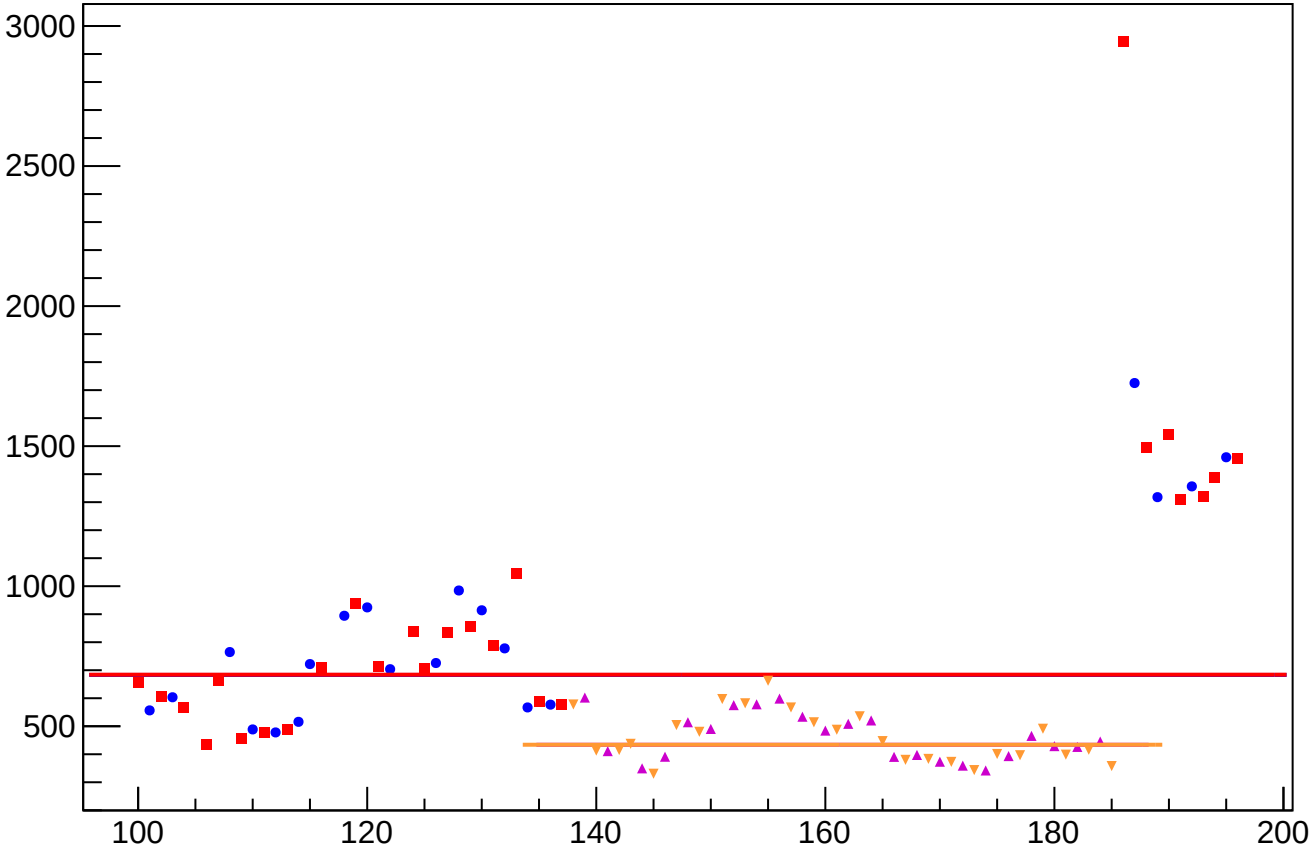
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

\+ sign 440.800+/-92.277 χ^2/NDF: 92.1/44

All: 305.047+/-65.564 χ^2/NDF: 146.2/93

\- sign 166.648+/-93.172 χ^2/NDF: 49.8/48

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 683.053+/-0.164 χ^2/NDF: 2141379.6/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 683.988+/-0.154 χ^2/NDF: 3771427.1/25

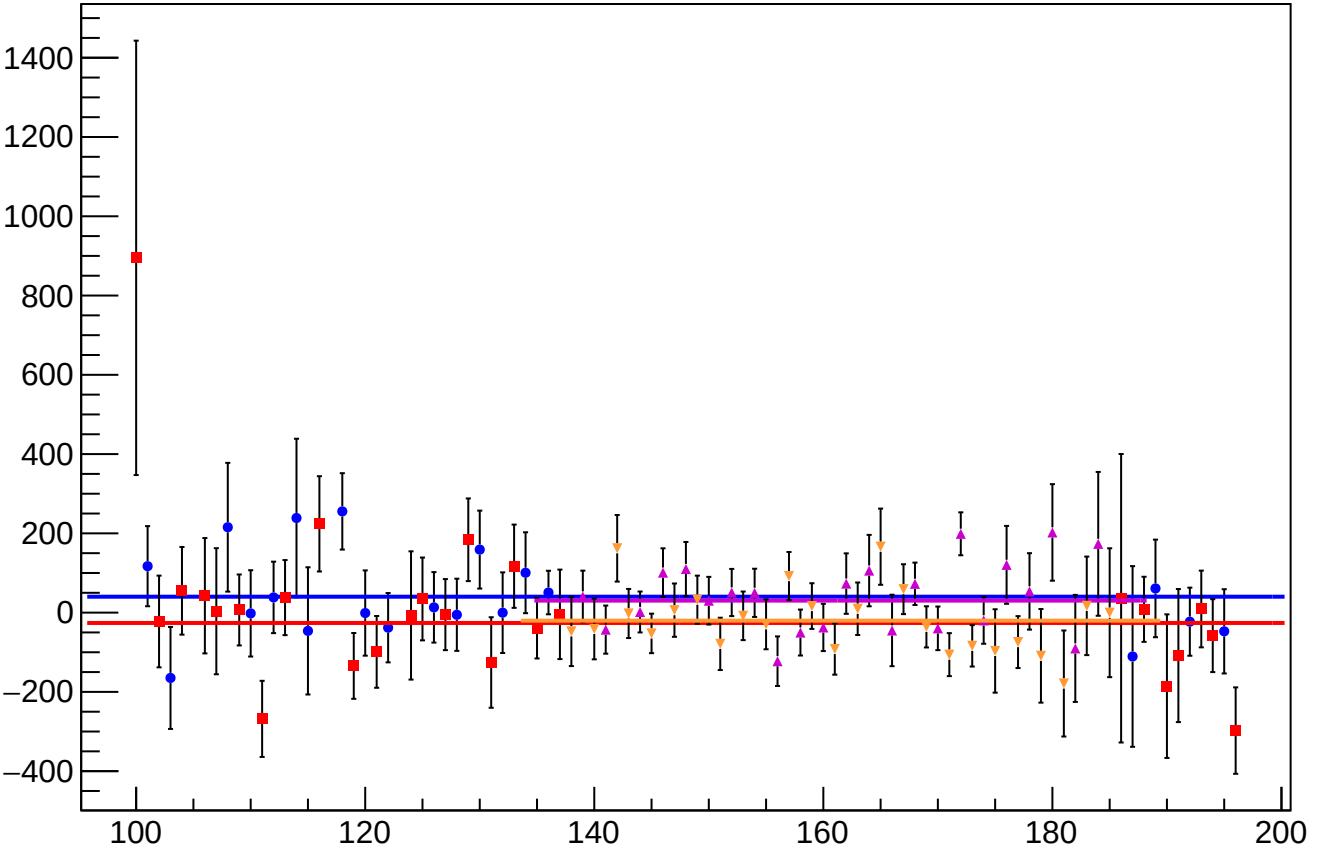
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317828.1/44

All: 476.397+/-0.046 χ^2/NDF: 12353413.0/93

- sign 479.711+/-0.066 χ^2/NDF: 7030574.7/48

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 40.182+/-22.495 χ^2/NDF: 15.7/19

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.089+/-21.219 χ^2/NDF: 32.1/25

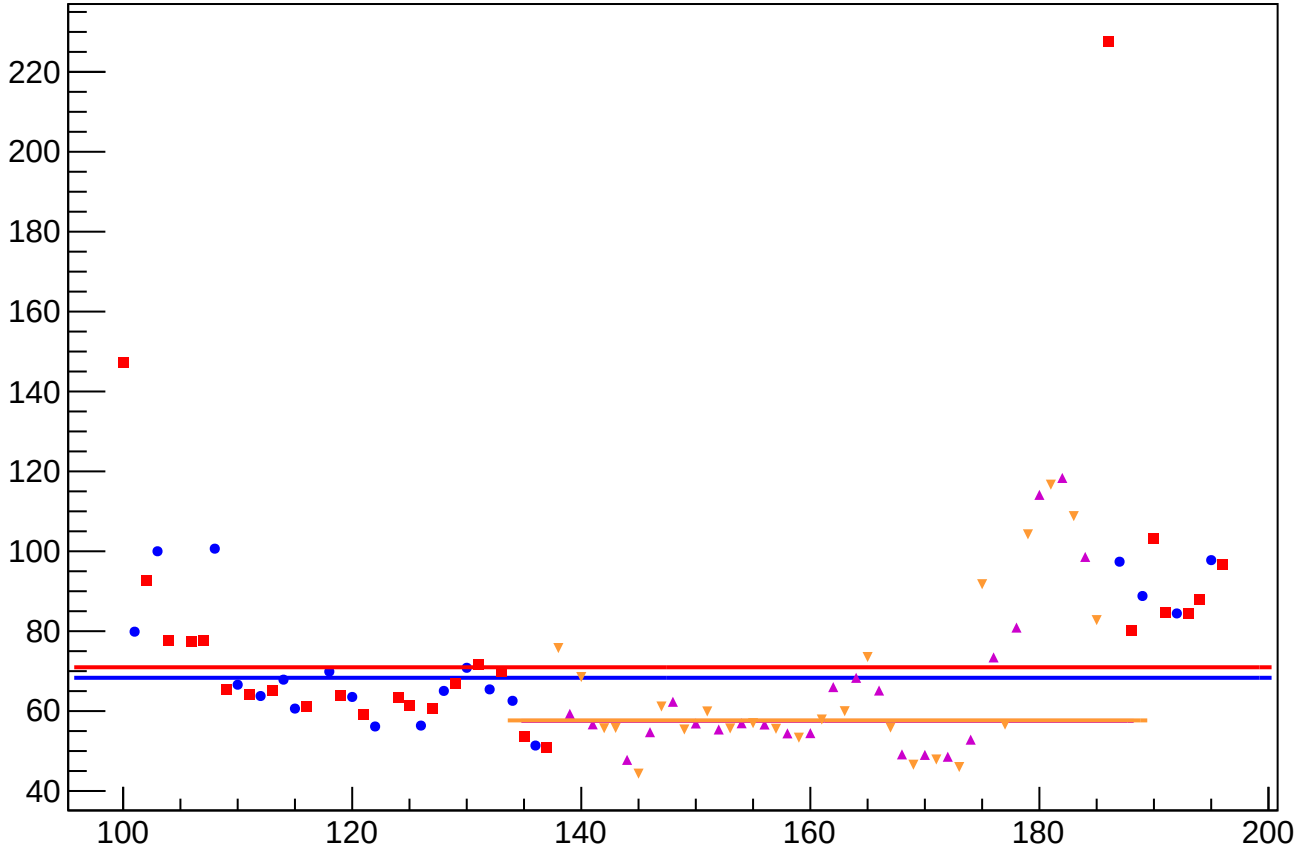
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -4.025+/-11.661 χ^2/NDF: 46.1/44

All: 4.602+/-8.250 χ^2/NDF: 116.8/93

- sign 13.247+/-11.673 χ^2/NDF: 69.6/48

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 68.335+/-0.016 χ^2/NDF: 830461.6/19

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 70.969+/-0.015 χ^2/NDF: 1118322.4/25

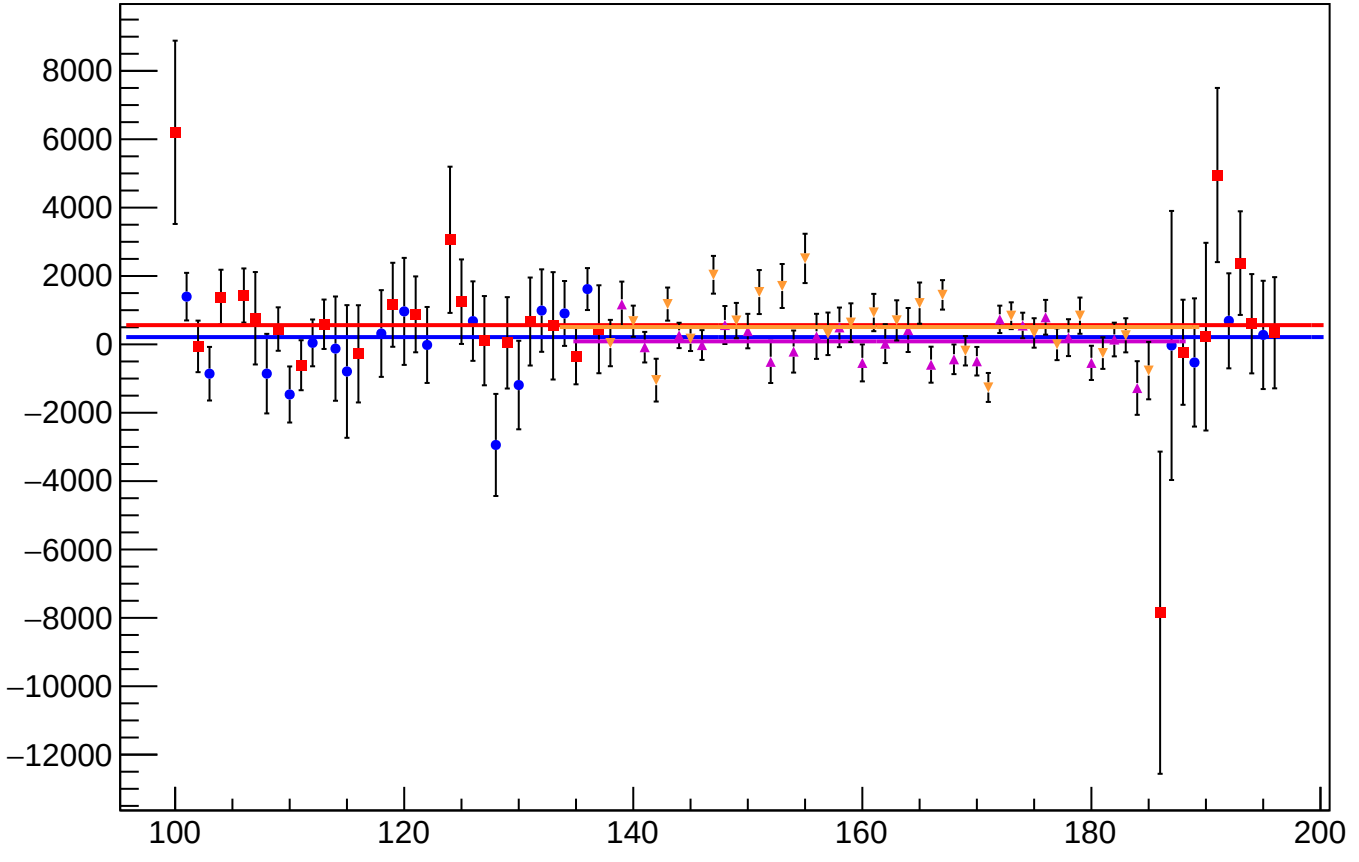
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.535+/-0.008 χ^2/NDF: 3069095.5/44

All: 61.069+/-0.006 χ^2/NDF: 6197808.0/93

- sign 61.604+/-0.008 χ^2/NDF: 3120313.4/48

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 212.694+/-235.118 χ^2/NDF: 22.7/19

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 562.553+/-218.222 χ^2/NDF: 21.7/25

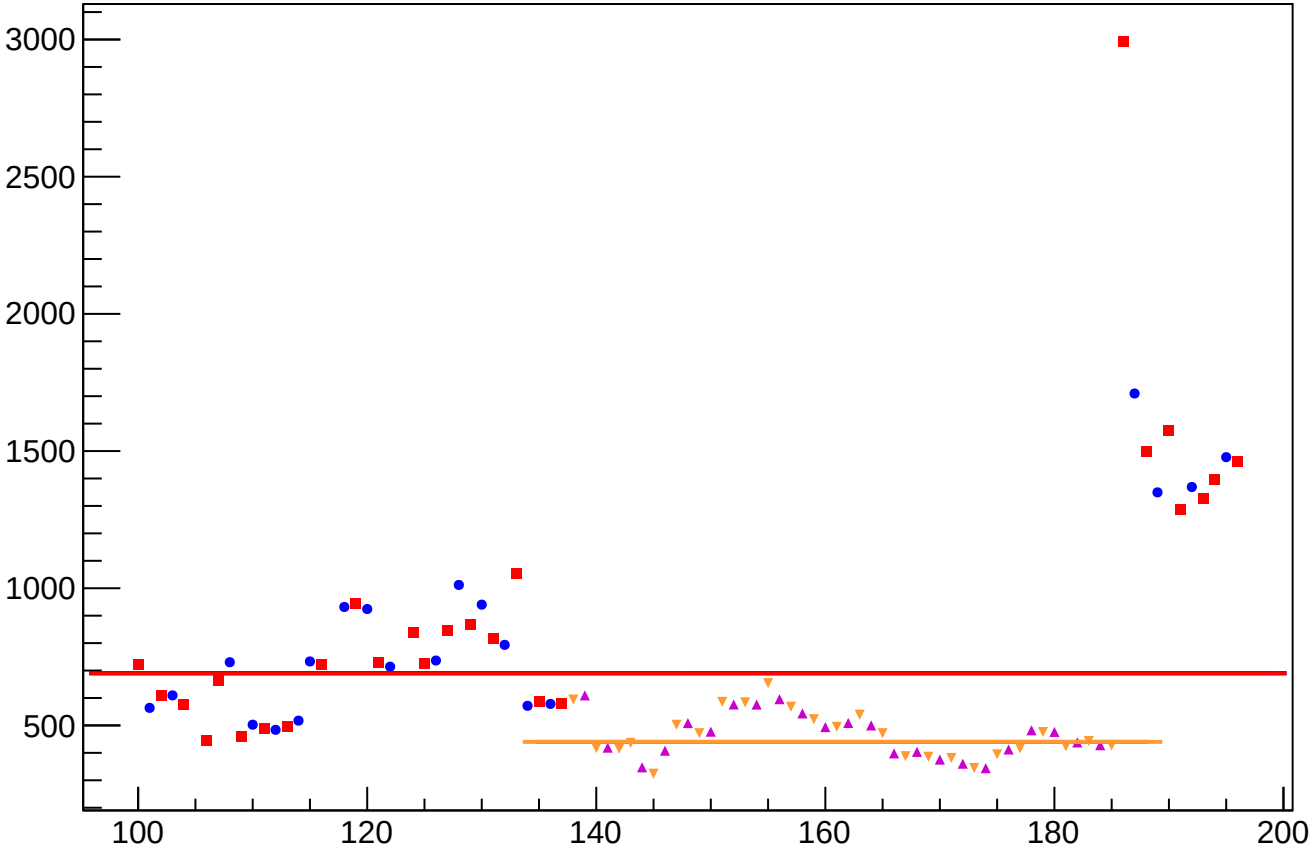
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

\+ sign 460.700+/-93.401 χ^2/NDF: 89.9/44

All: 320.162+/-66.353 χ^2/NDF: 143.3/93

\- sign 176.964+/-94.281 χ^2/NDF: 48.9/48

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 690.705+/-0.166 χ^2/NDF: 2156452.0/19

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 689.147+/-0.154 χ^2/NDF: 3781247.8/25

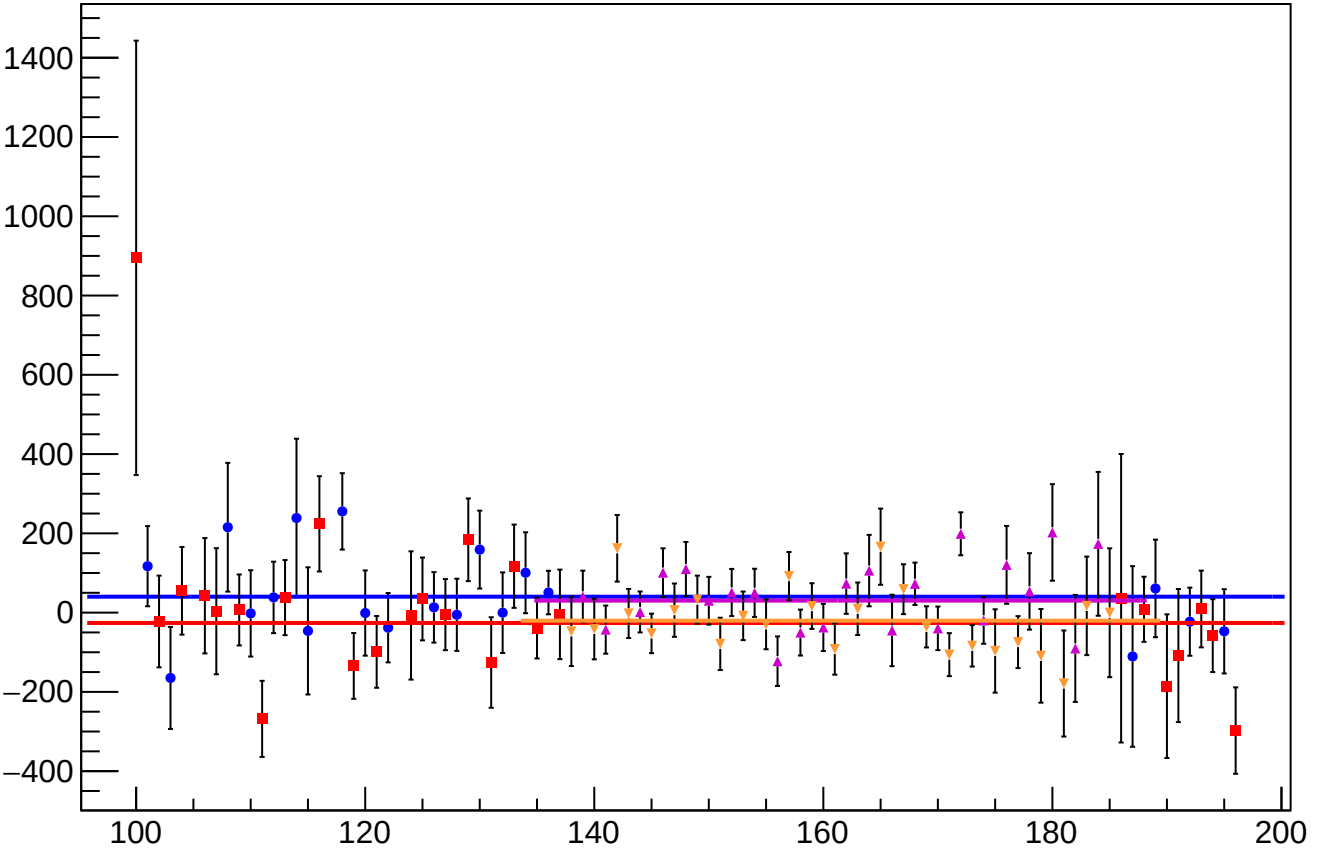
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 479.627+/-0.066 χ^2/NDF: 5267400.4/44

All: 482.985+/-0.047 χ^2/NDF: 12238263.9/93

- sign 486.406+/-0.067 χ^2/NDF: 6965645.0/48

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 40.181+/-22.495 χ^2/NDF: 15.7/19

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.089+/-21.219 χ^2/NDF: 32.1/25

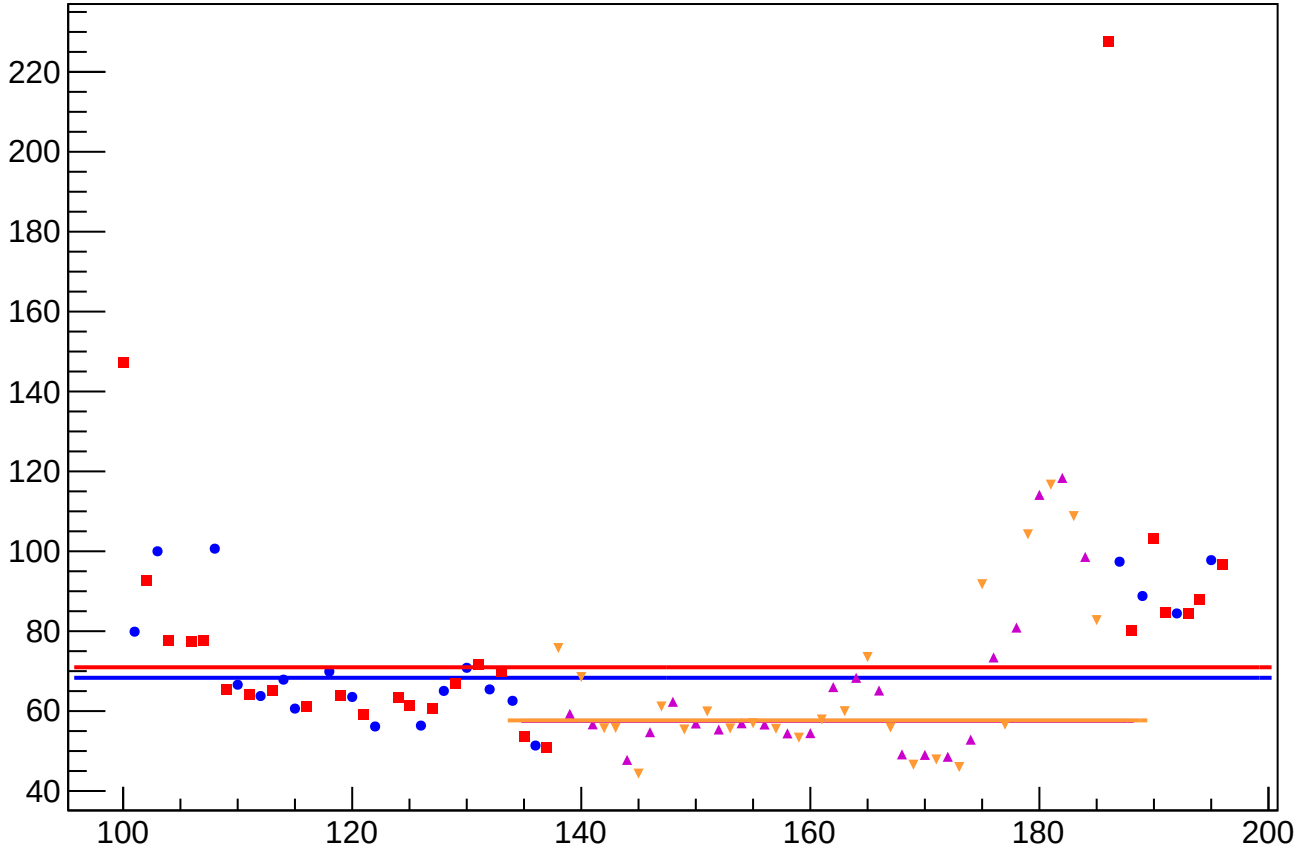
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -4.025+/-11.661 χ^2/NDF: 46.1/44

All: 4.601+/-8.250 χ^2/NDF: 116.8/93

- sign 13.246+/-11.673 χ^2/NDF: 69.6/48

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 68.335+/-0.016 χ^2/NDF: 830456.8/19

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

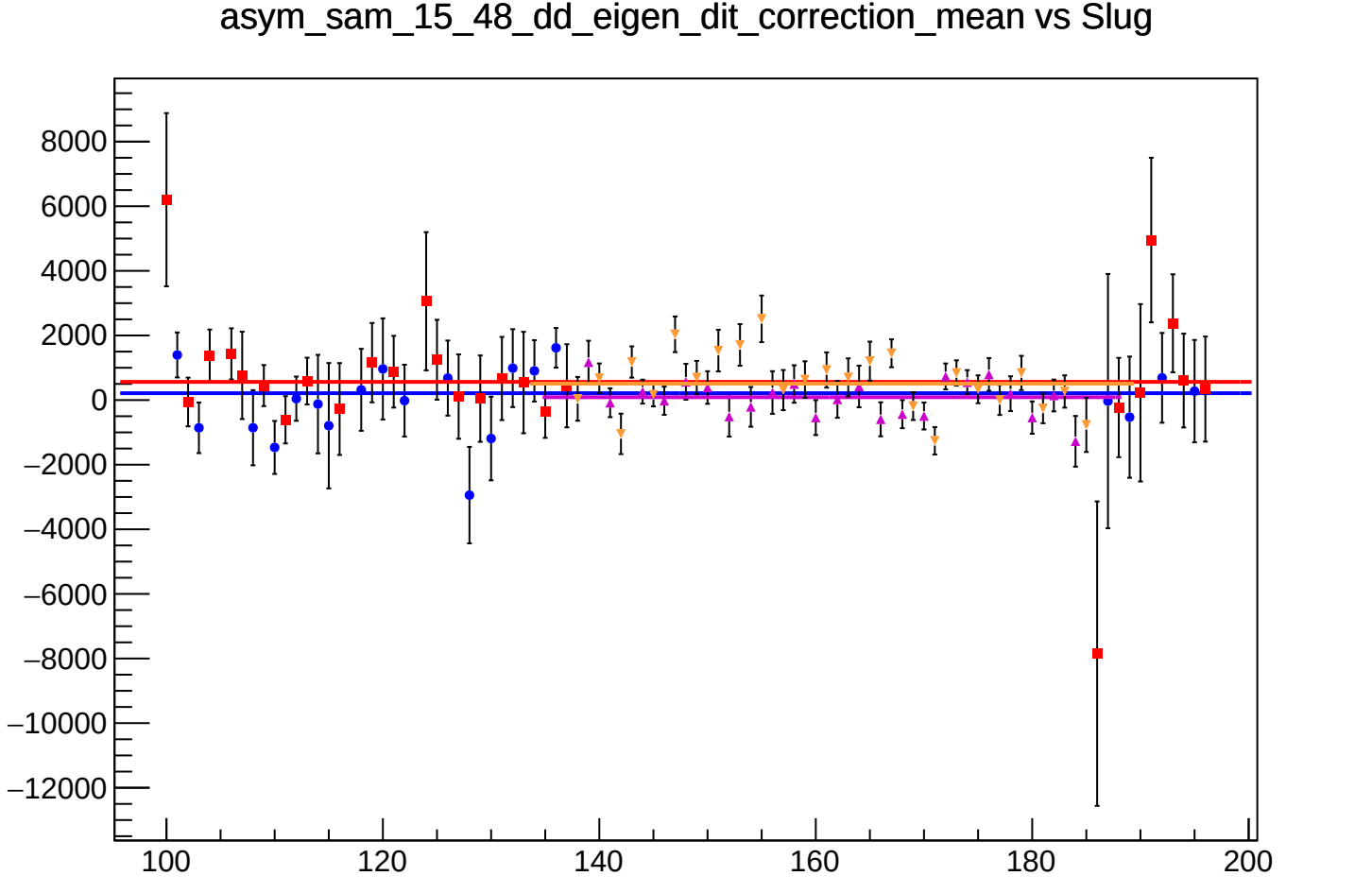
Right Out: 70.969+/-0.015 χ^2/NDF: 1118334.2/25

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.535+/-0.008 χ^2/NDF: 3069073.1/44

All: 61.069+/-0.006 χ^2/NDF: 6197763.9/93

- sign 61.604+/-0.008 χ^2/NDF: 3120292.7/48



Right In: 212.693+/-235.118 χ^2/NDF: 22.7/19

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

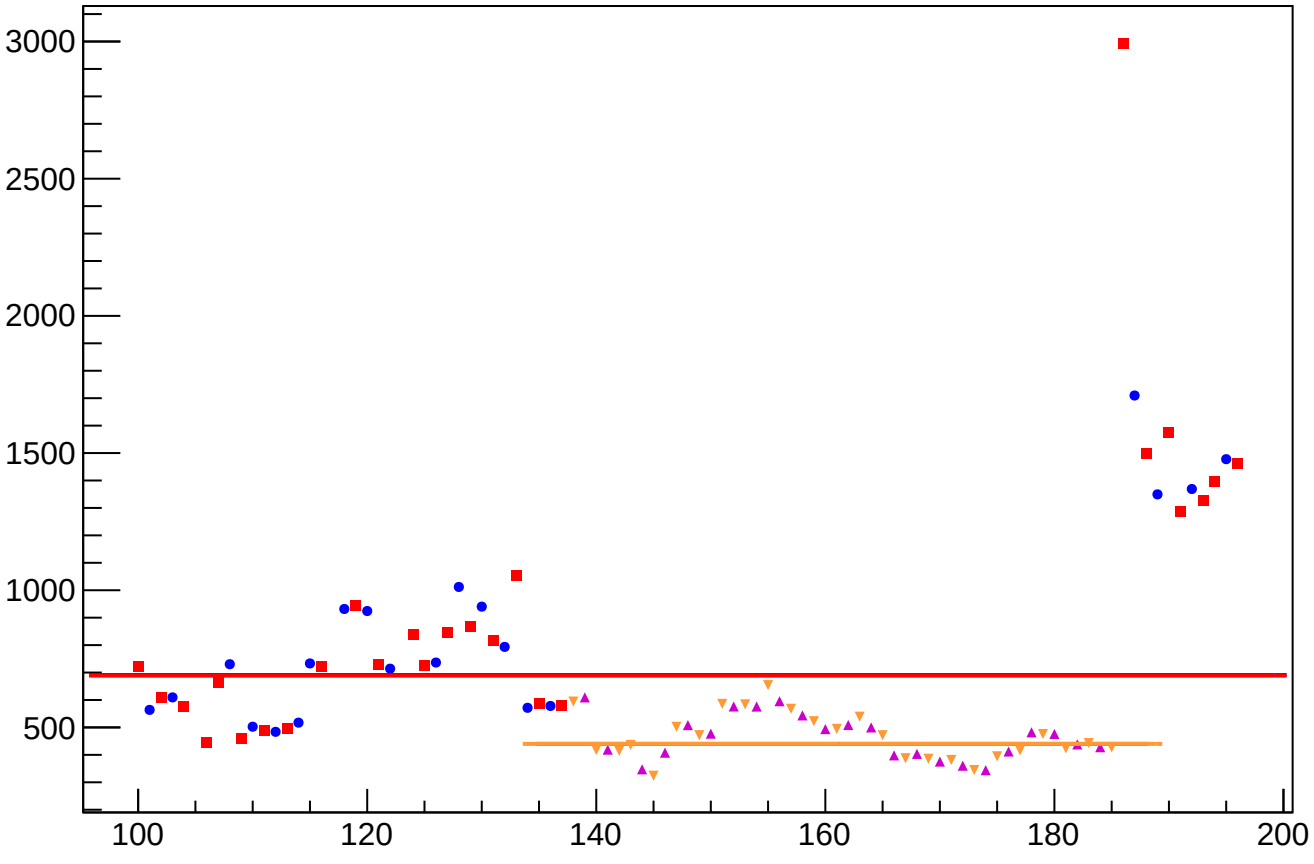
Right Out: 562.553+/-218.222 χ^2/NDF: 21.7/25

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 460.699+/-93.401 χ^2/NDF: 89.9/44

All: 320.161+/-66.353 χ^2/NDF: 143.3/93

\- sign 176.963+/-94.281 χ^2/NDF: 48.9/48



Right In: 690.704+/-0.166 χ^2/NDF: 2156455.2/19

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 689.146+/-0.154 χ^2/NDF: 3781249.0/25

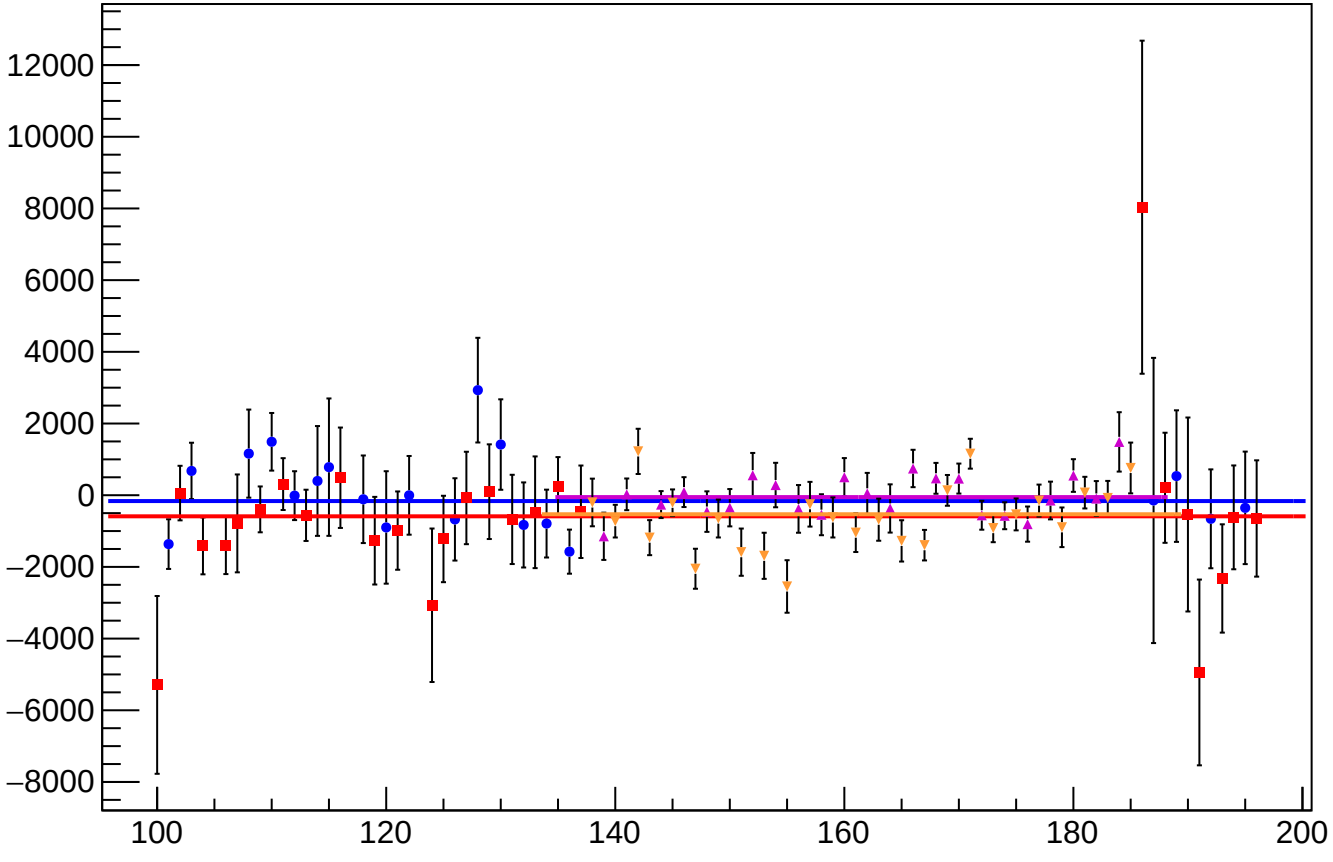
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 479.626+/-0.066 χ^2/NDF: 5267420.7/44

All: 482.984+/-0.047 χ^2/NDF: 12238304.3/93

- sign 486.405+/-0.067 χ^2/NDF: 6965665.3/48

asym_sam_15_48_dd_mean vs Slug



Right In: -163.274+/-233.868 χ^2/NDF: 22.8/19

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -588.897+/-217.504 χ^2/NDF: 20.0/25

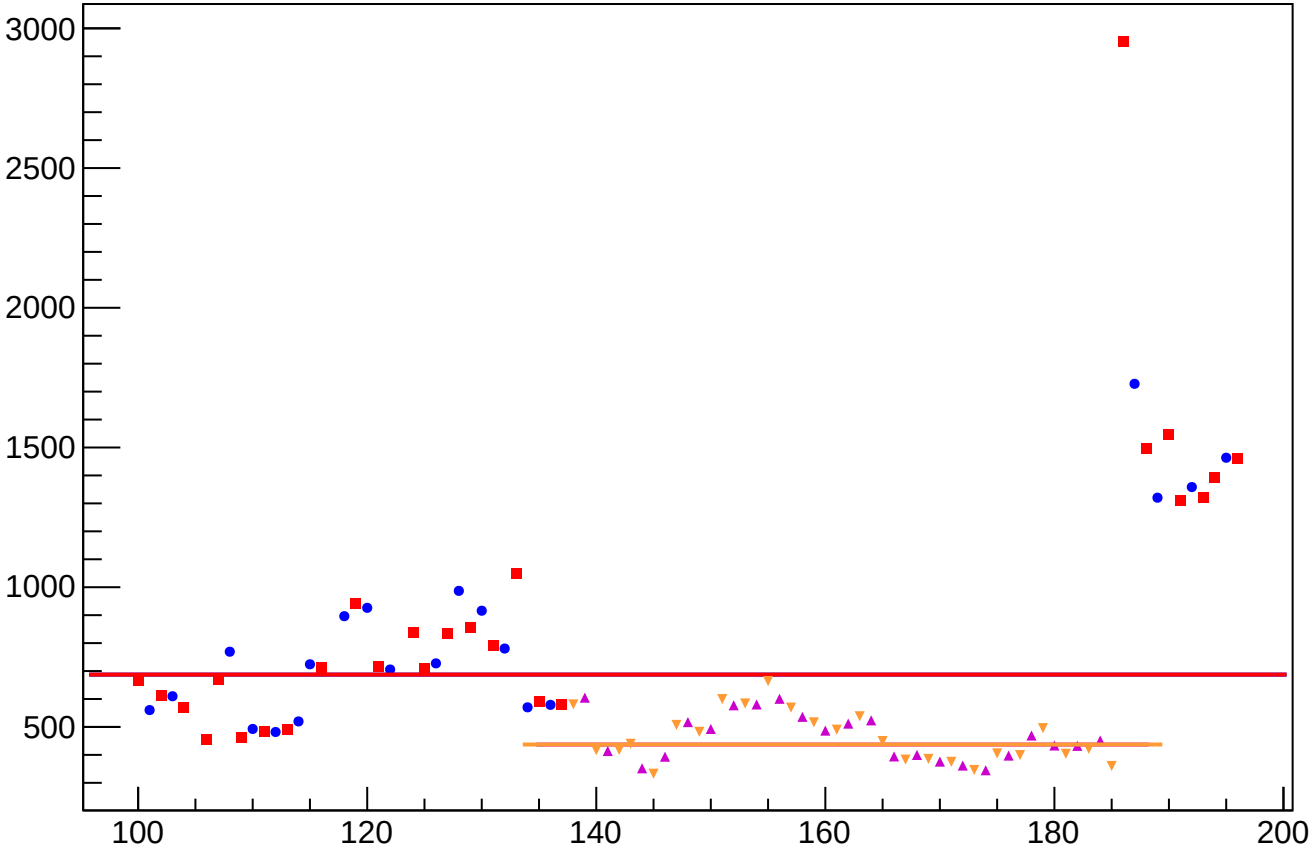
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -473.439+/-92.912 χ^2/NDF: 90.4/44

All: -314.206+/-65.986 χ^2/NDF: 145.4/93

- sign -152.156+/-93.730 χ^2/NDF: 49.0/48

asym_sam_15_48_dd_rms vs Slug



Right In: 687.212+/-0.165 χ^2/NDF: 2118945.1/19

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

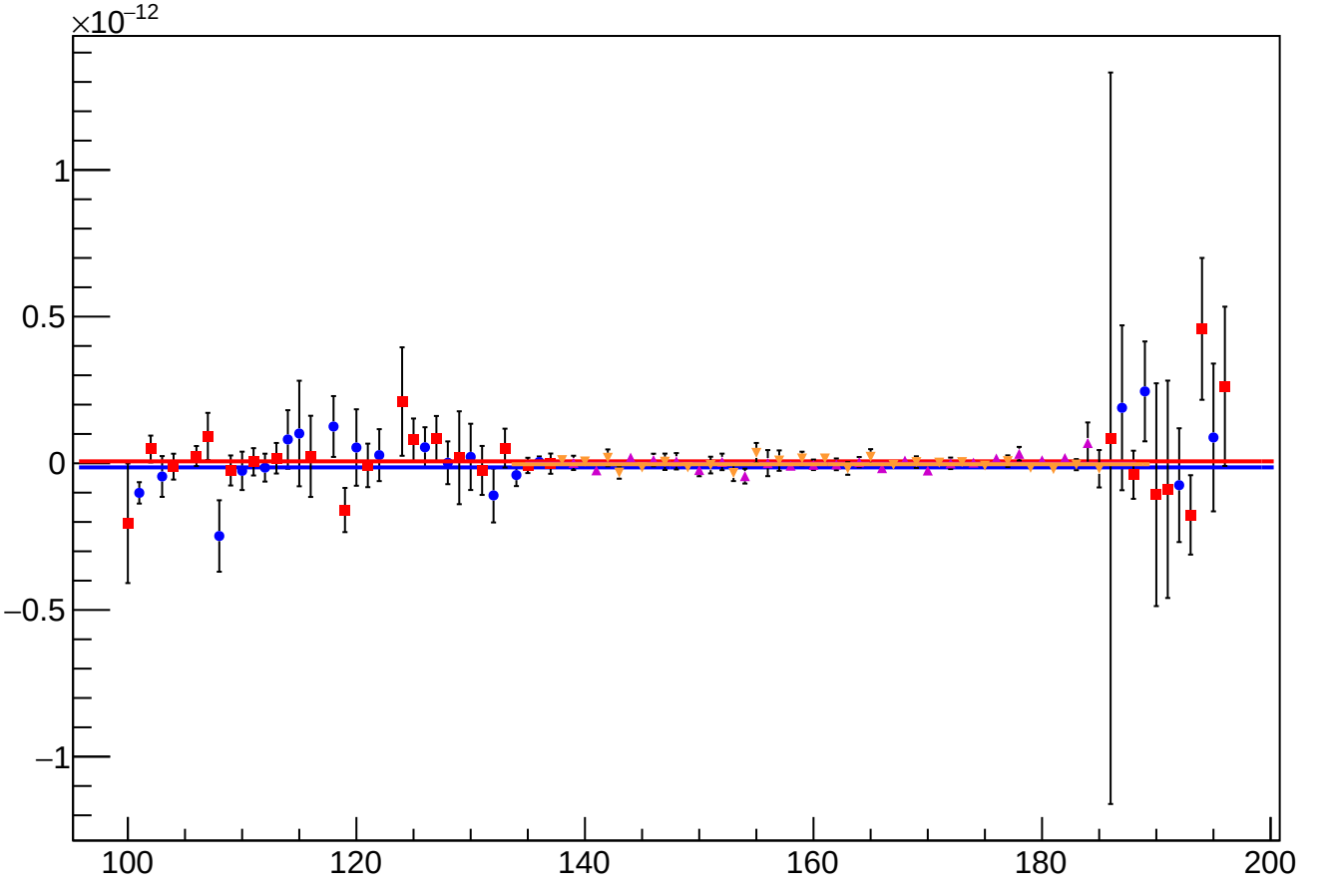
Right Out: 687.358+/-0.154 χ^2/NDF: 3735838.7/25

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 476.624+/-0.066 χ^2/NDF: 5271952.5/44

All: 480.003+/-0.047 χ^2/NDF: 12251984.5/93

- sign 483.442+/-0.066 χ^2/NDF: 6974694.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/25

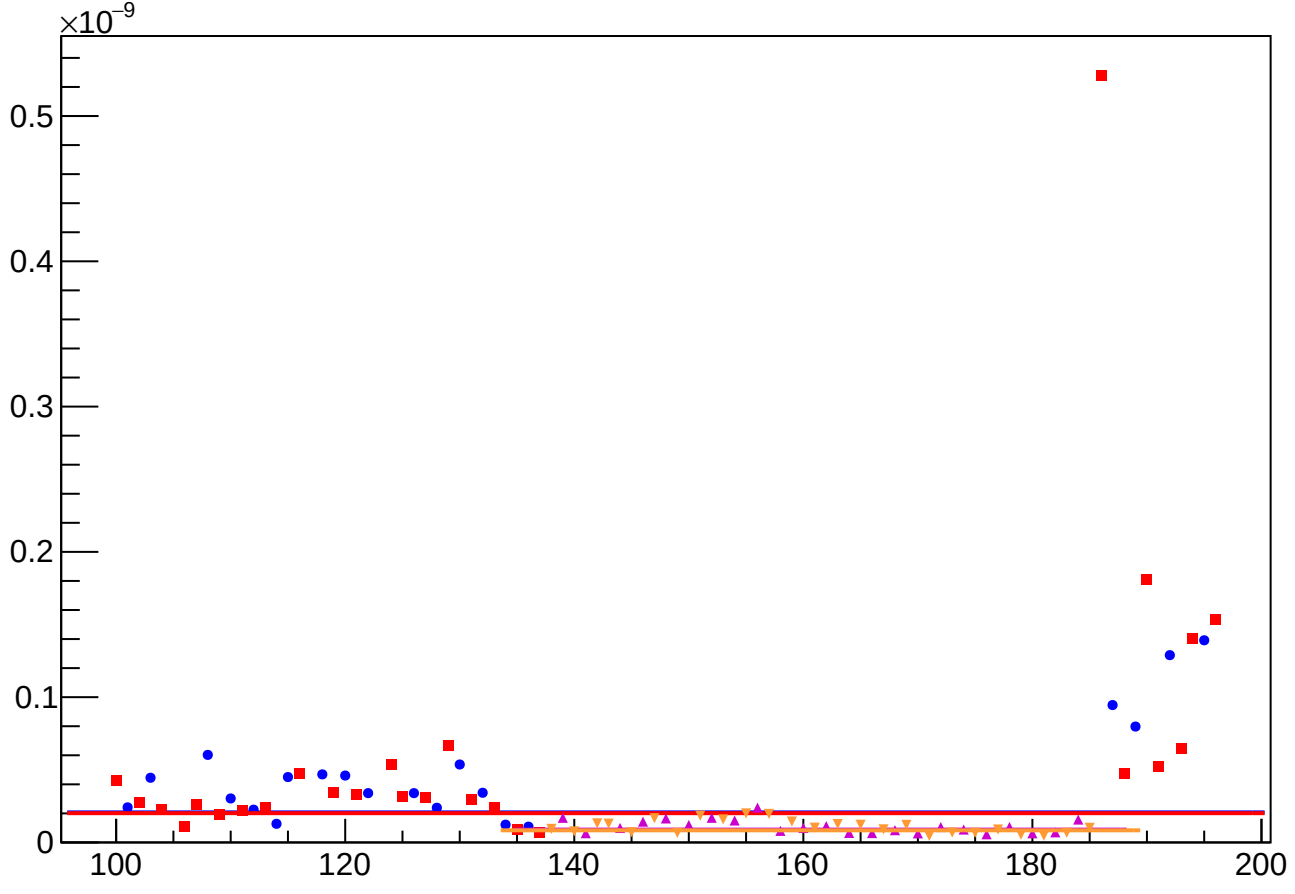
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

\+ sign -0.000+/-0.000 χ^2/NDF: 35.0/44

All: -0.000+/-0.000 χ^2/NDF: 77.6/93

\- sign -0.000+/-0.000 χ^2/NDF: 42.1/48

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3198545.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3599724.3/25

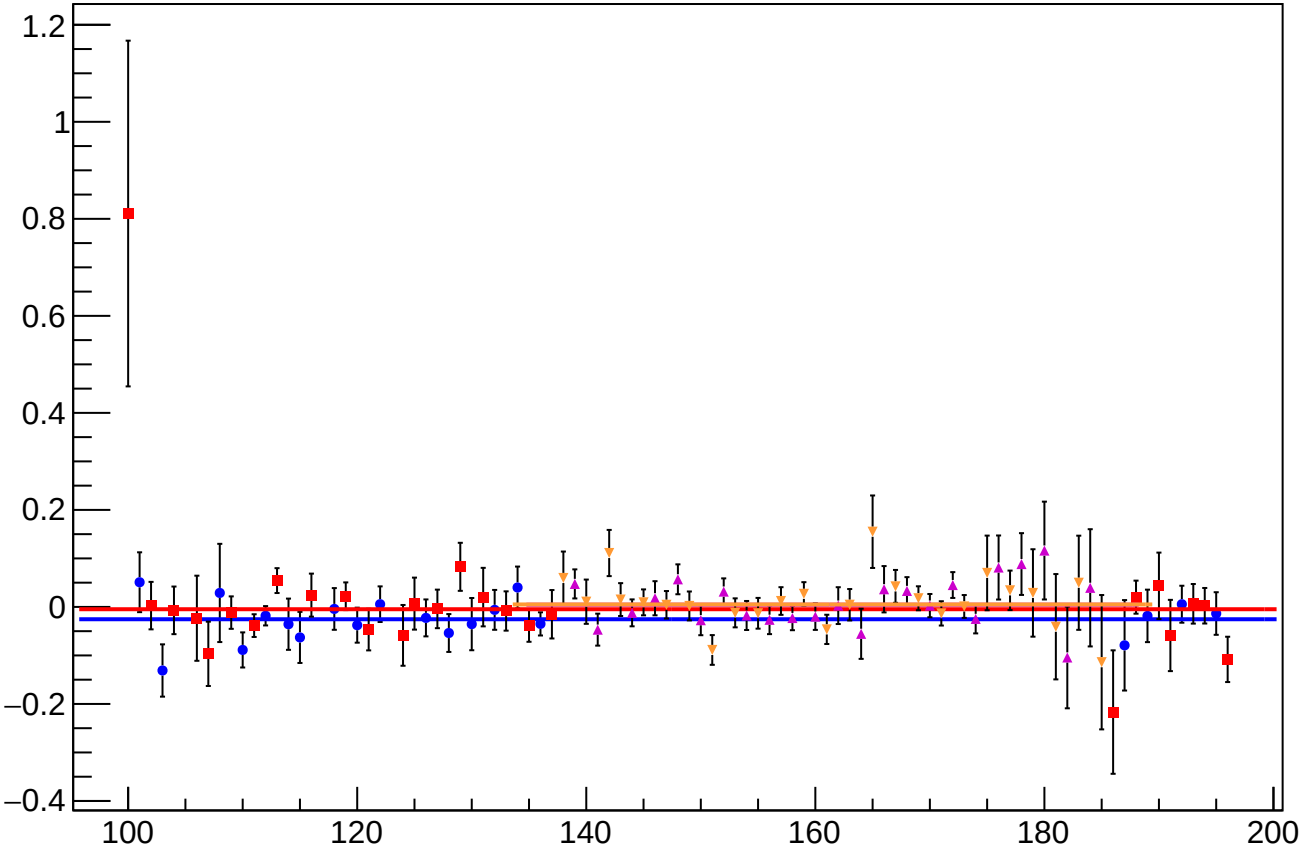
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7213524.7/44

All: 0.000+/-0.000 χ^2/NDF: 14131538.0/93

- 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: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

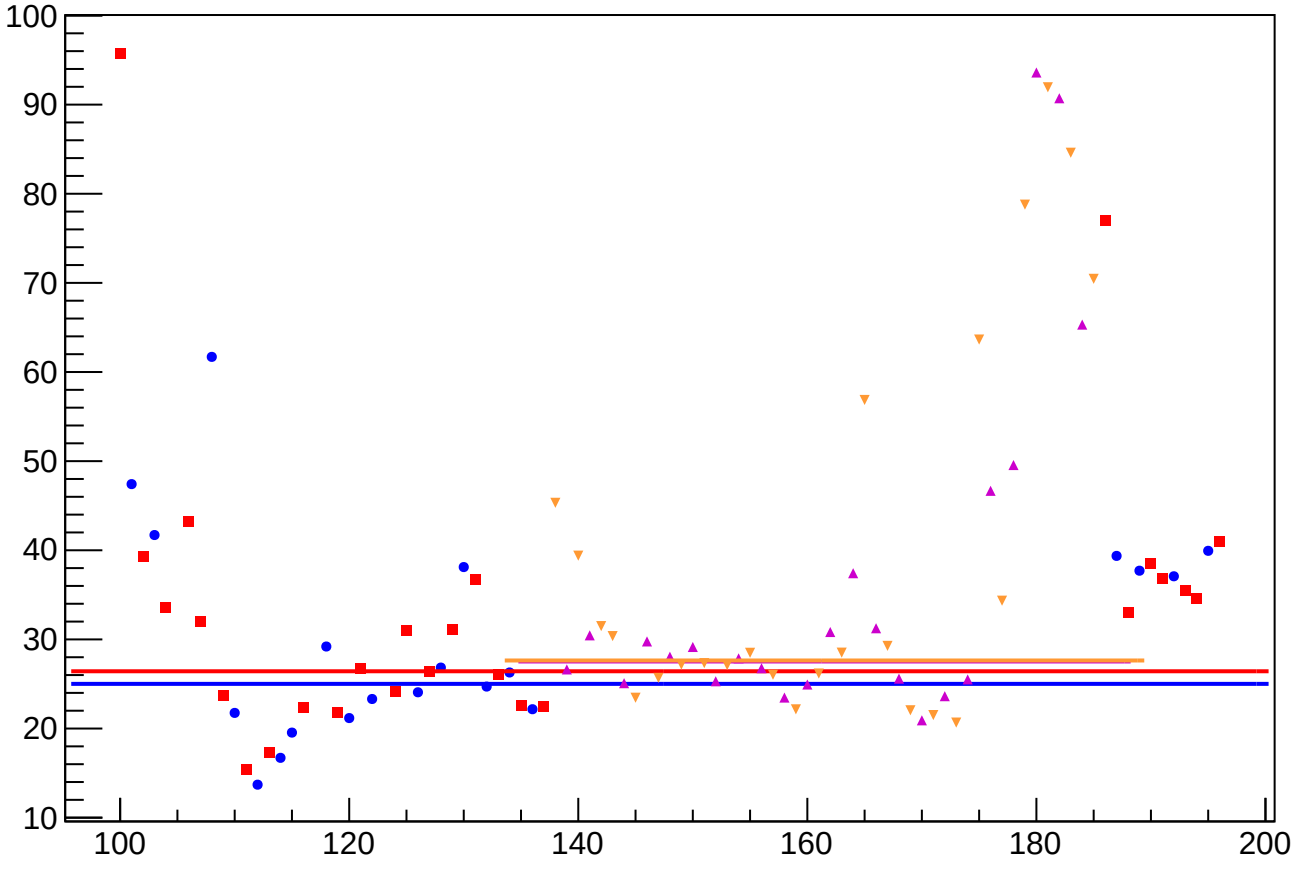
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.003+/-0.004 χ^2/NDF: 109.0/93

- 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: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

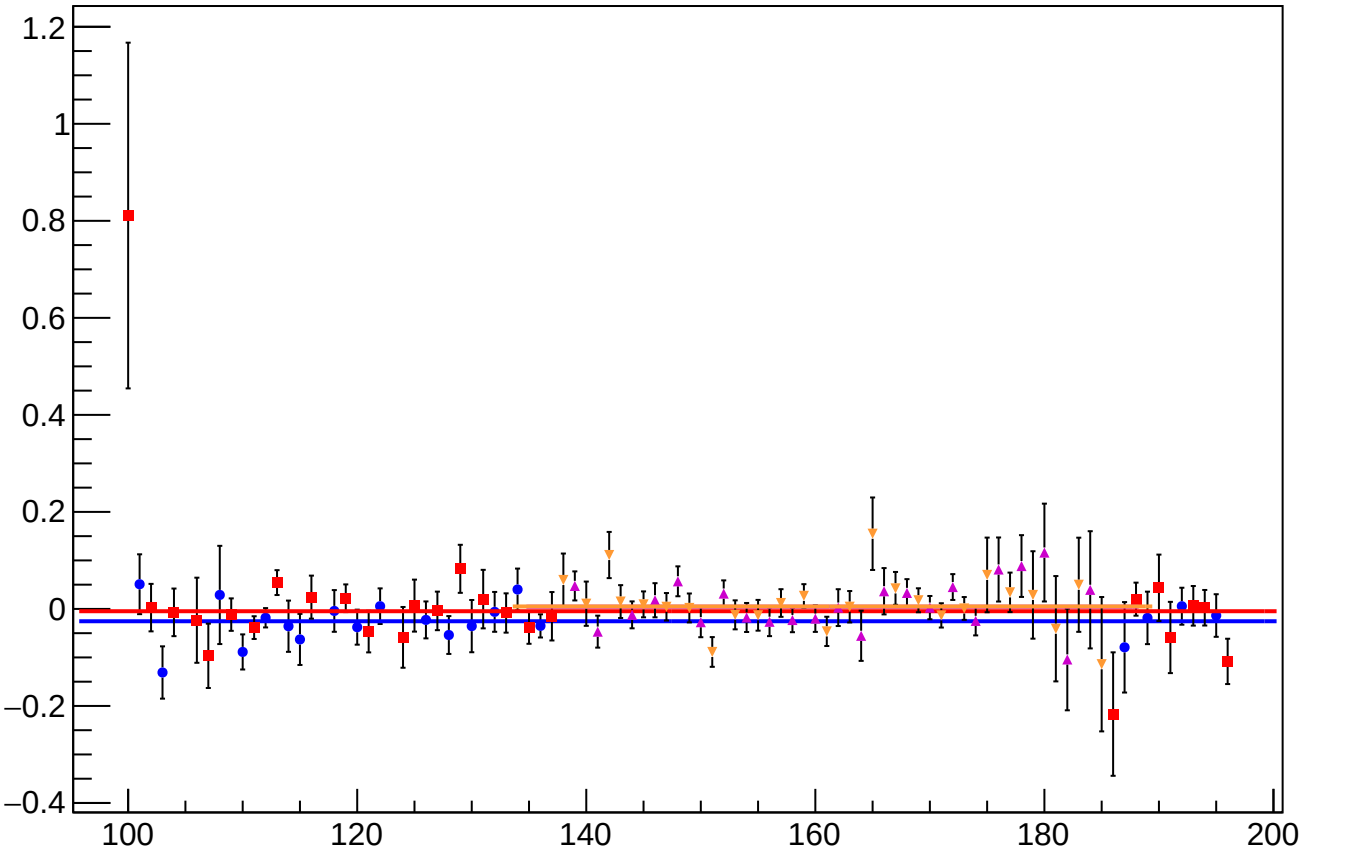
Right Out: 26.425+/-0.006 χ^2/NDF: 2146282.4/25

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.641+/-0.004 χ^2/NDF: 6325140.1/44

All: 26.856+/-0.003 χ^2/NDF: 11132894.9/93

- sign 27.065+/-0.004 χ^2/NDF: 4801508.6/48



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

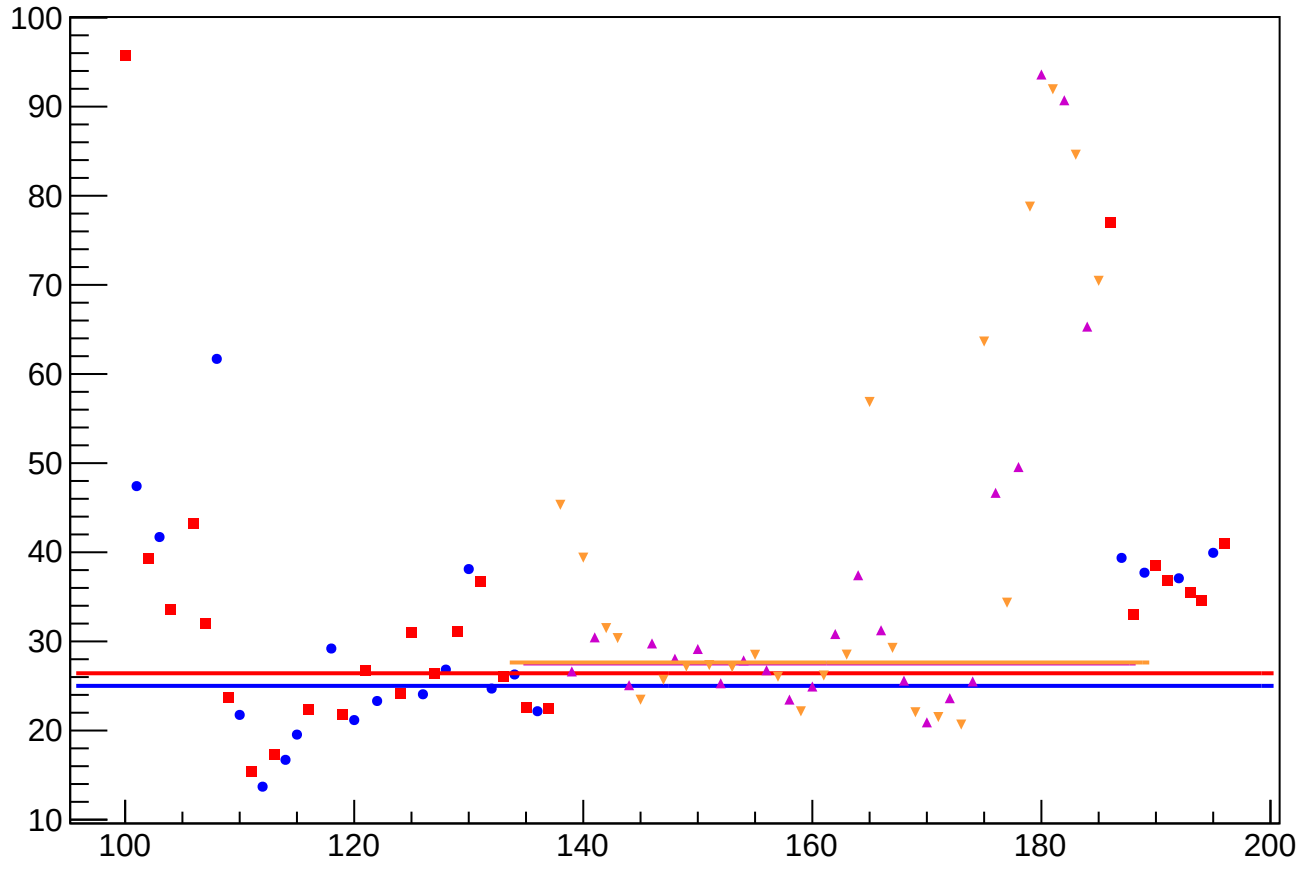
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.003+/-0.004 χ^2/NDF: 109.0/93

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

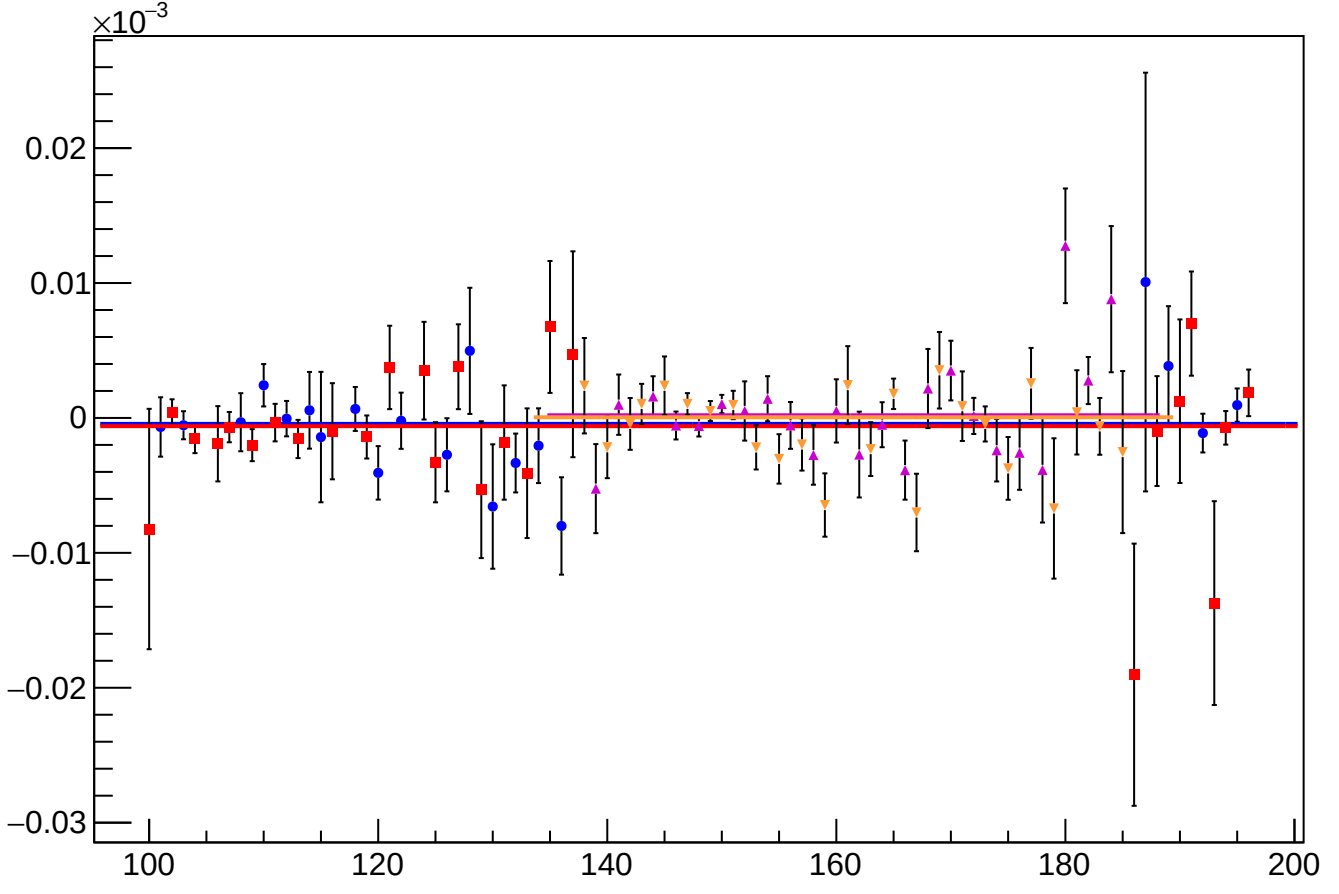
Right Out: 26.425+/-0.006 χ^2/NDF: 2146282.4/25

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

\+ sign 26.641+/-0.004 χ^2/NDF: 6325140.1/44

All: 26.856+/-0.003 χ^2/NDF: 11132894.9/93

\- sign 27.065+/-0.004 χ^2/NDF: 4801508.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

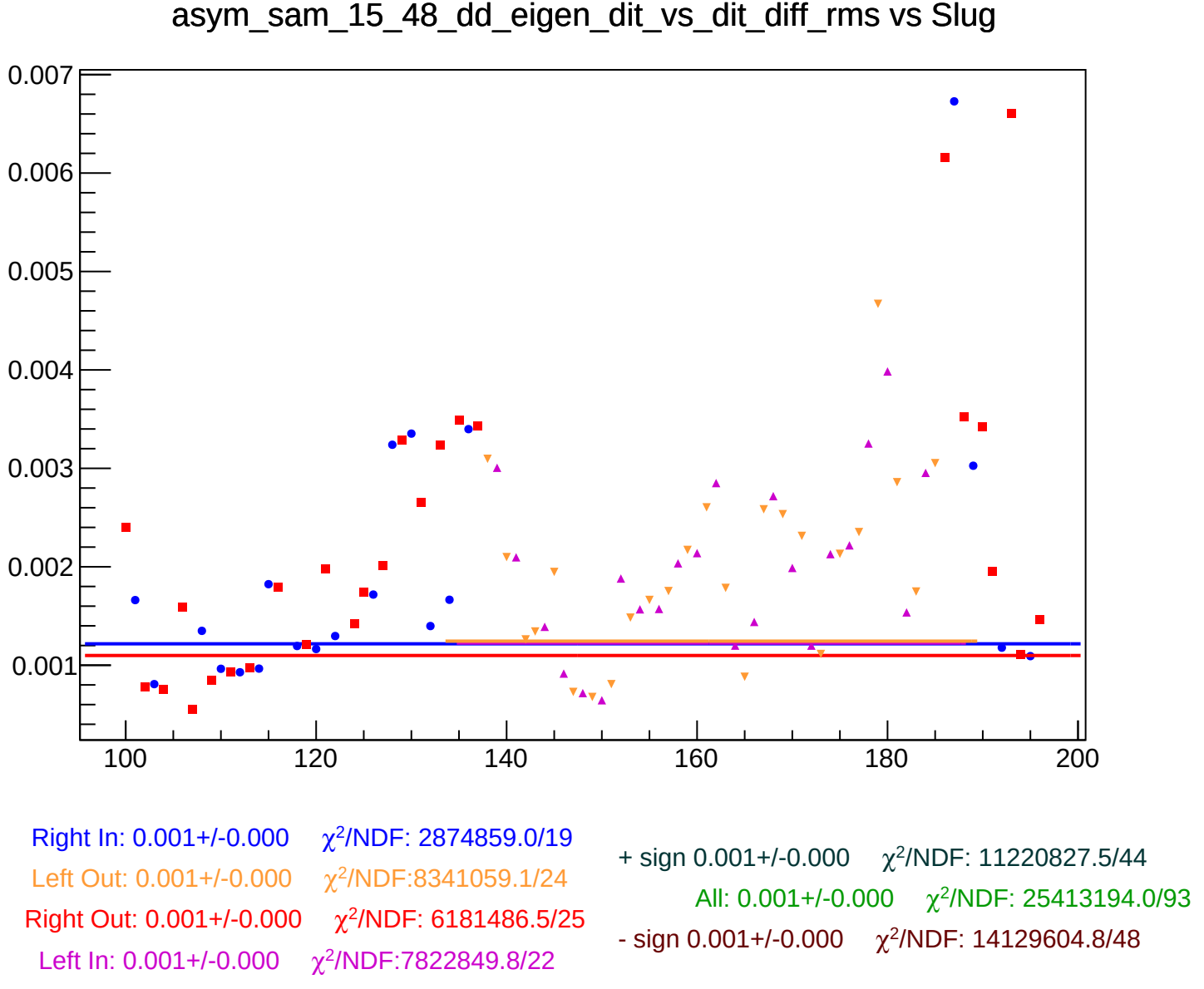
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/25

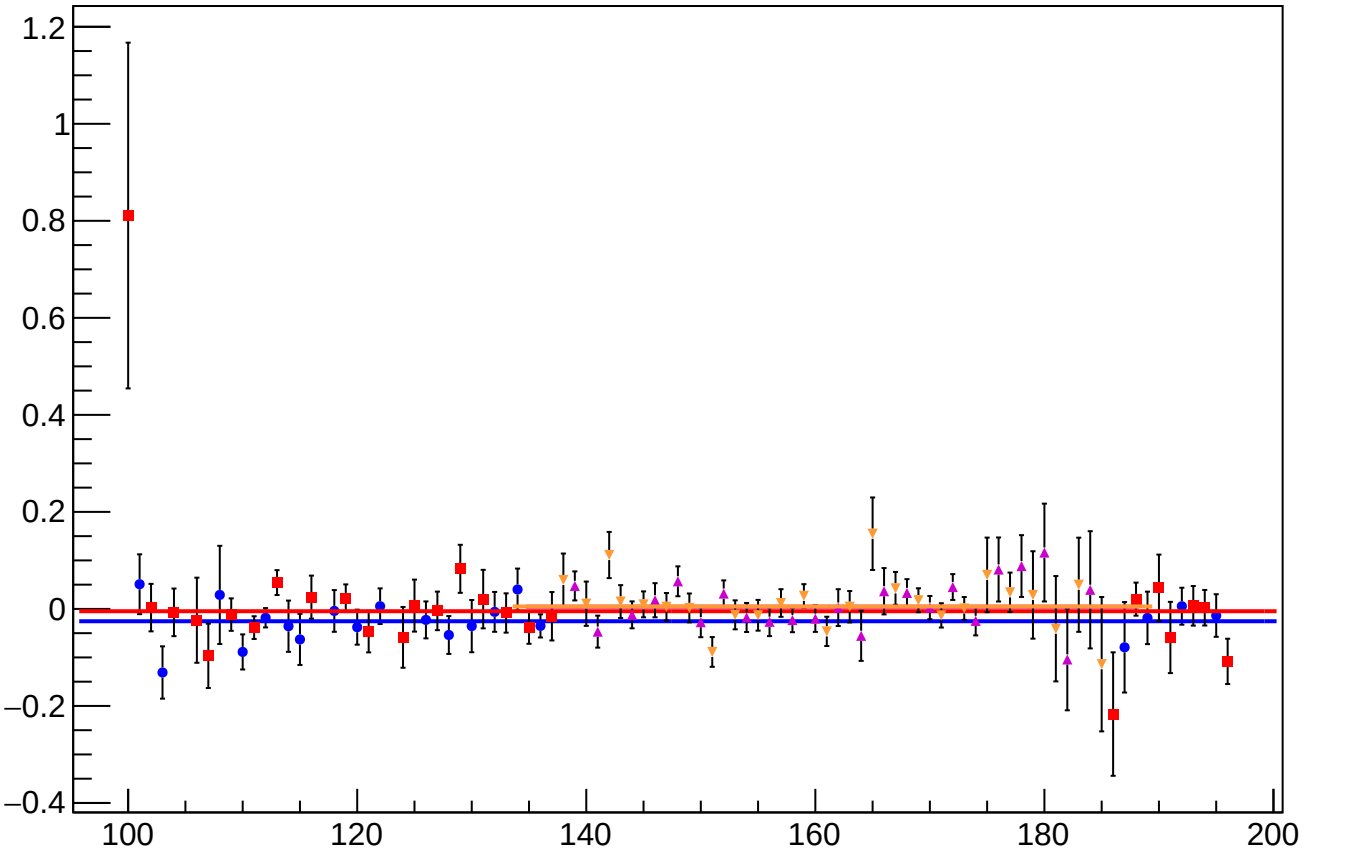
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/44

All: -0.000+/-0.000 χ^2/NDF: 122.2/93

- sign -0.000+/-0.000 χ^2/NDF: 63.8/48


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 2874859.0/19
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6181486.5/25
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 11220827.5/44
All: 0.001+/-0.000 χ²/NDF: 25413194.0/93
- sign 0.001+/-0.000 χ²/NDF: 14129604.8/48



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

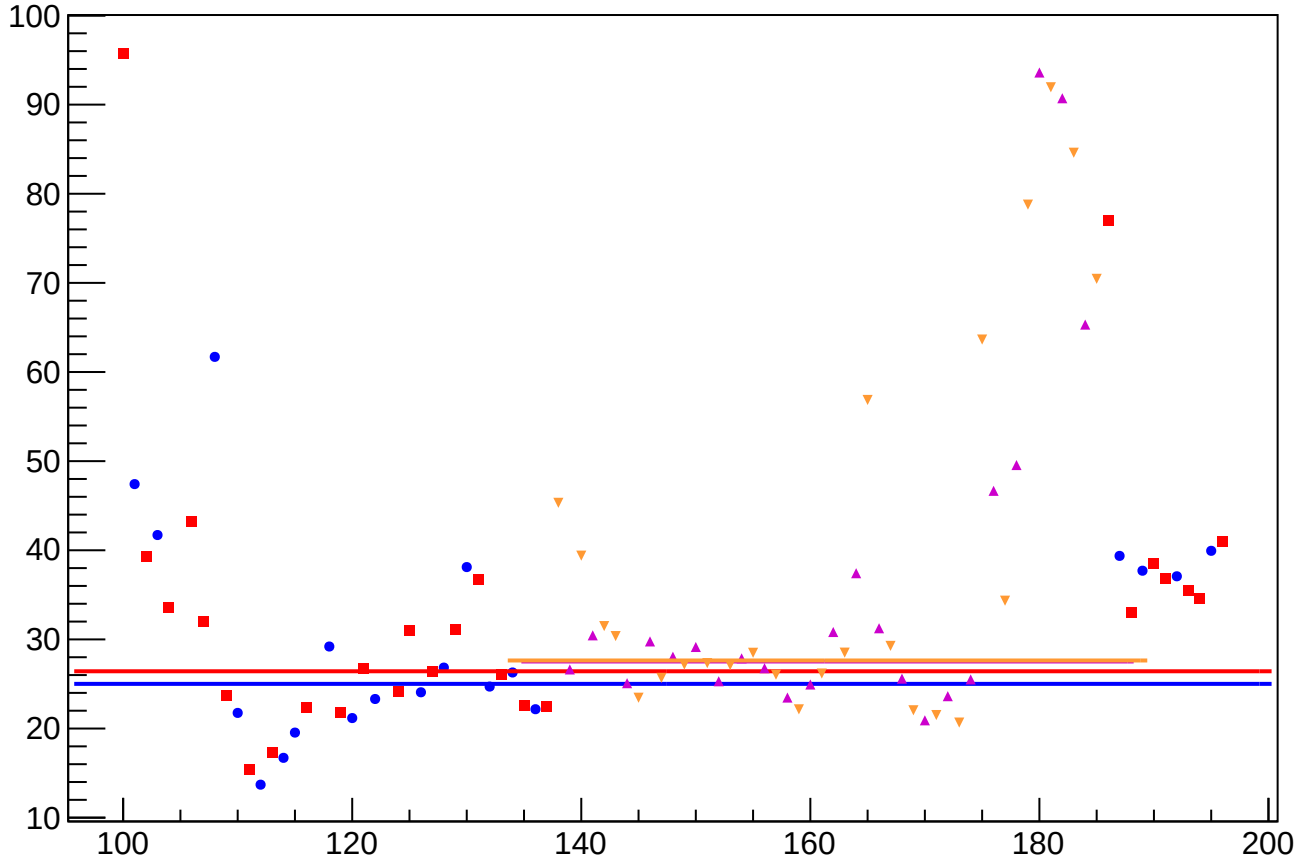
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.003+/-0.004 χ^2/NDF: 109.0/93

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

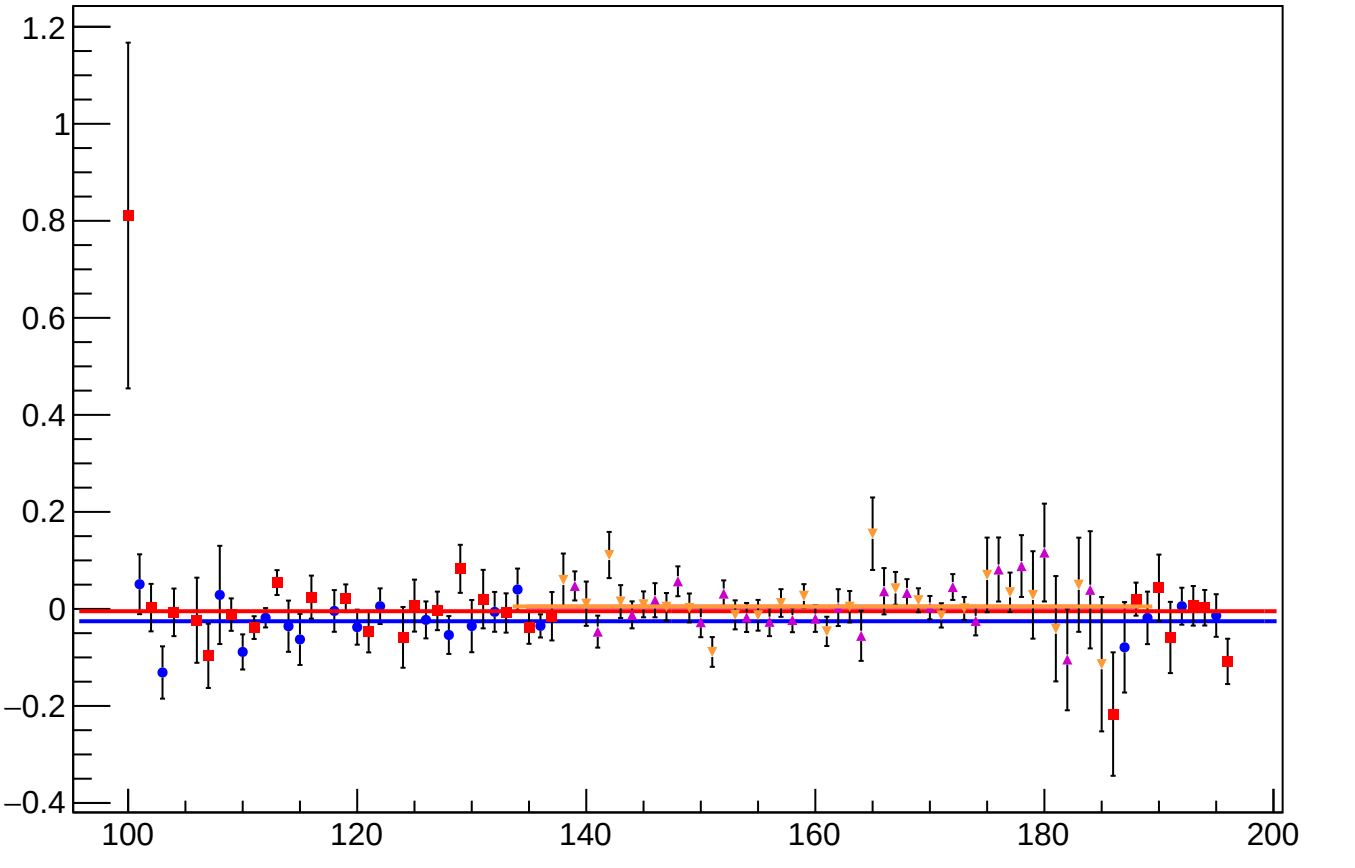
Right Out: 26.425+/-0.006 χ^2/NDF: 2146374.2/25

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.642+/-0.004 χ^2/NDF: 6325141.3/44

All: 26.856+/-0.003 χ^2/NDF: 11132969.0/93

- sign 27.065+/-0.004 χ^2/NDF: 4801584.3/48



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

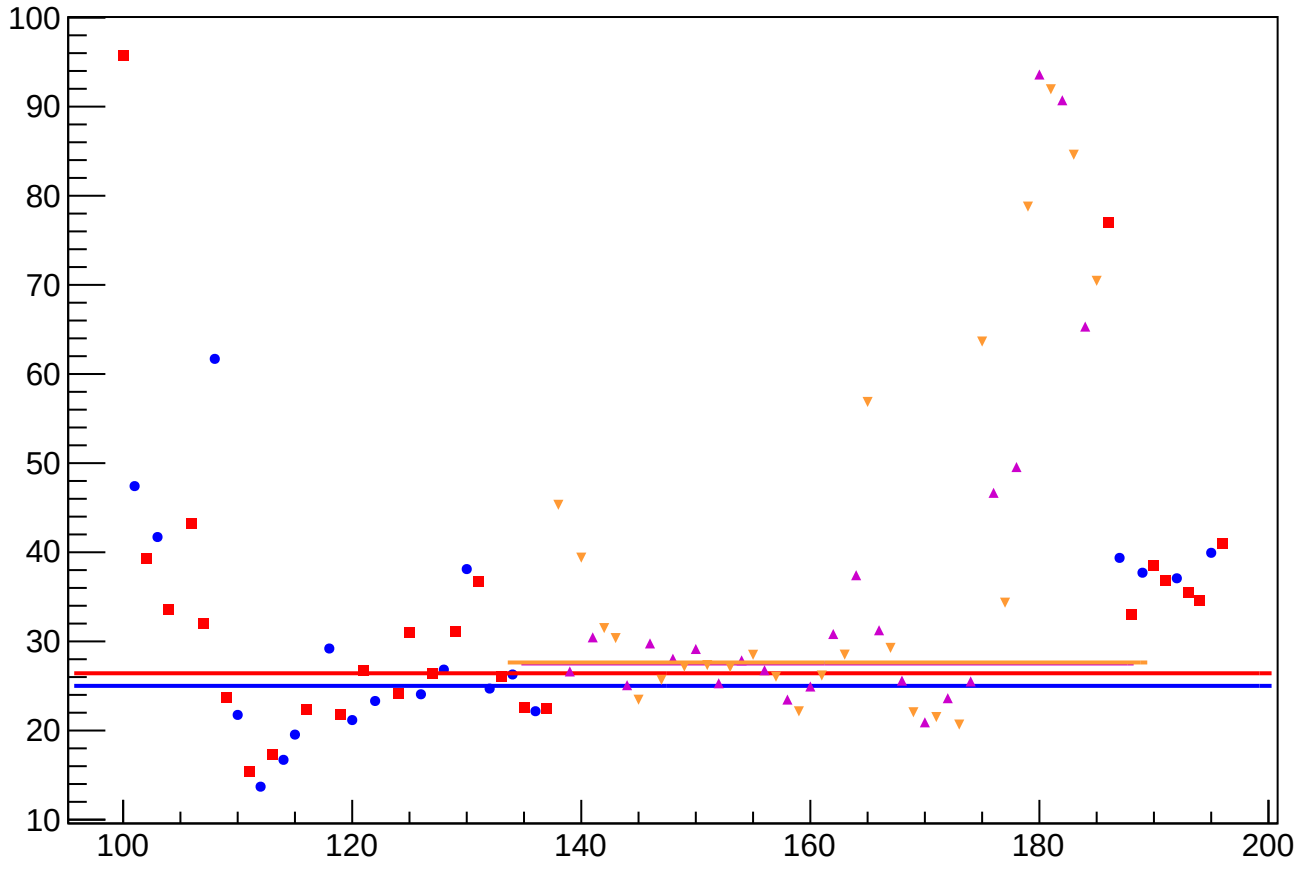
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.003+/-0.004 χ^2/NDF: 109.0/93

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

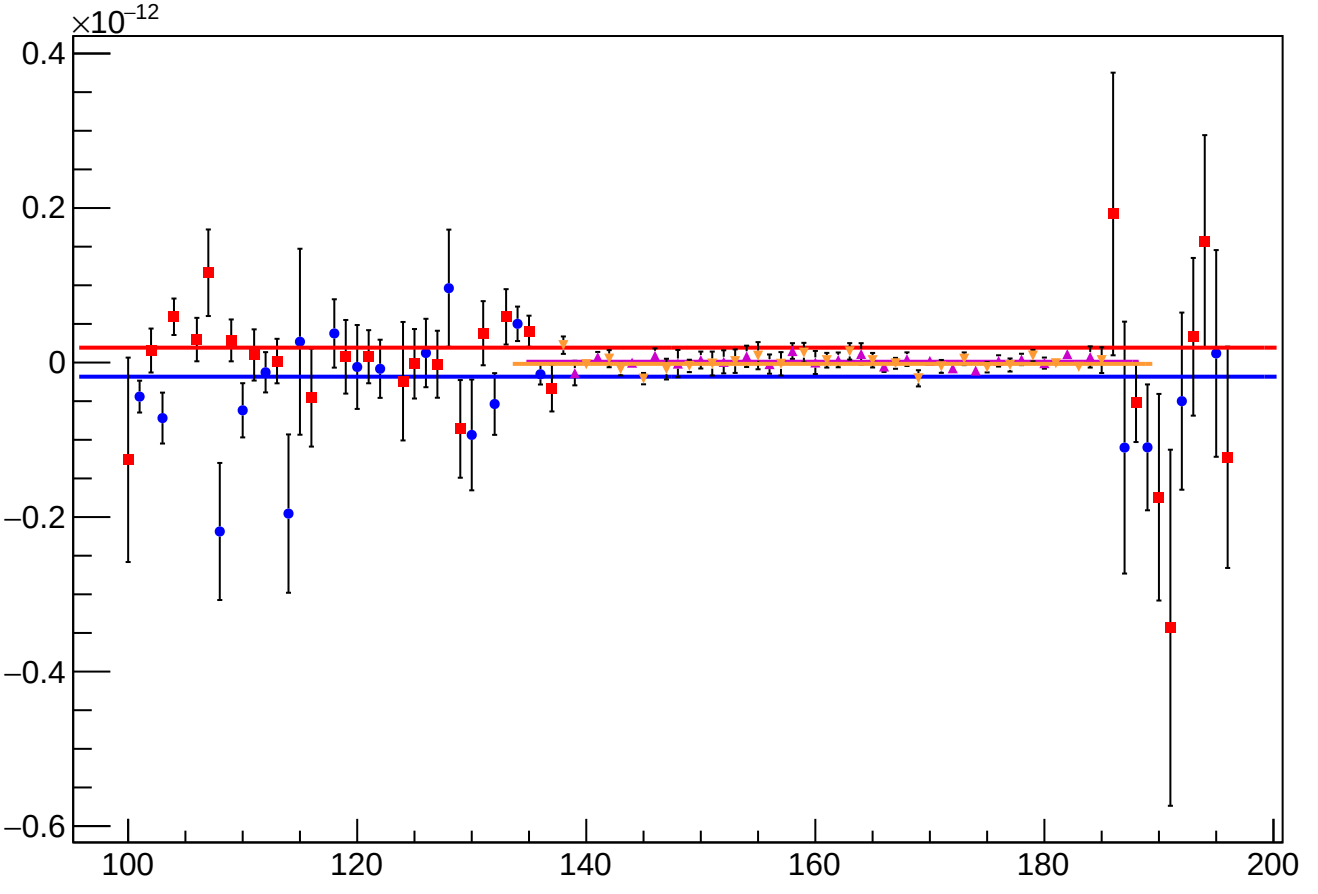
Right Out: 26.425+/-0.006 χ^2/NDF: 2146374.2/25

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.642+/-0.004 χ^2/NDF: 6325141.3/44

All: 26.856+/-0.003 χ^2/NDF: 11132969.0/93

- sign 27.065+/-0.004 χ^2/NDF: 4801584.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

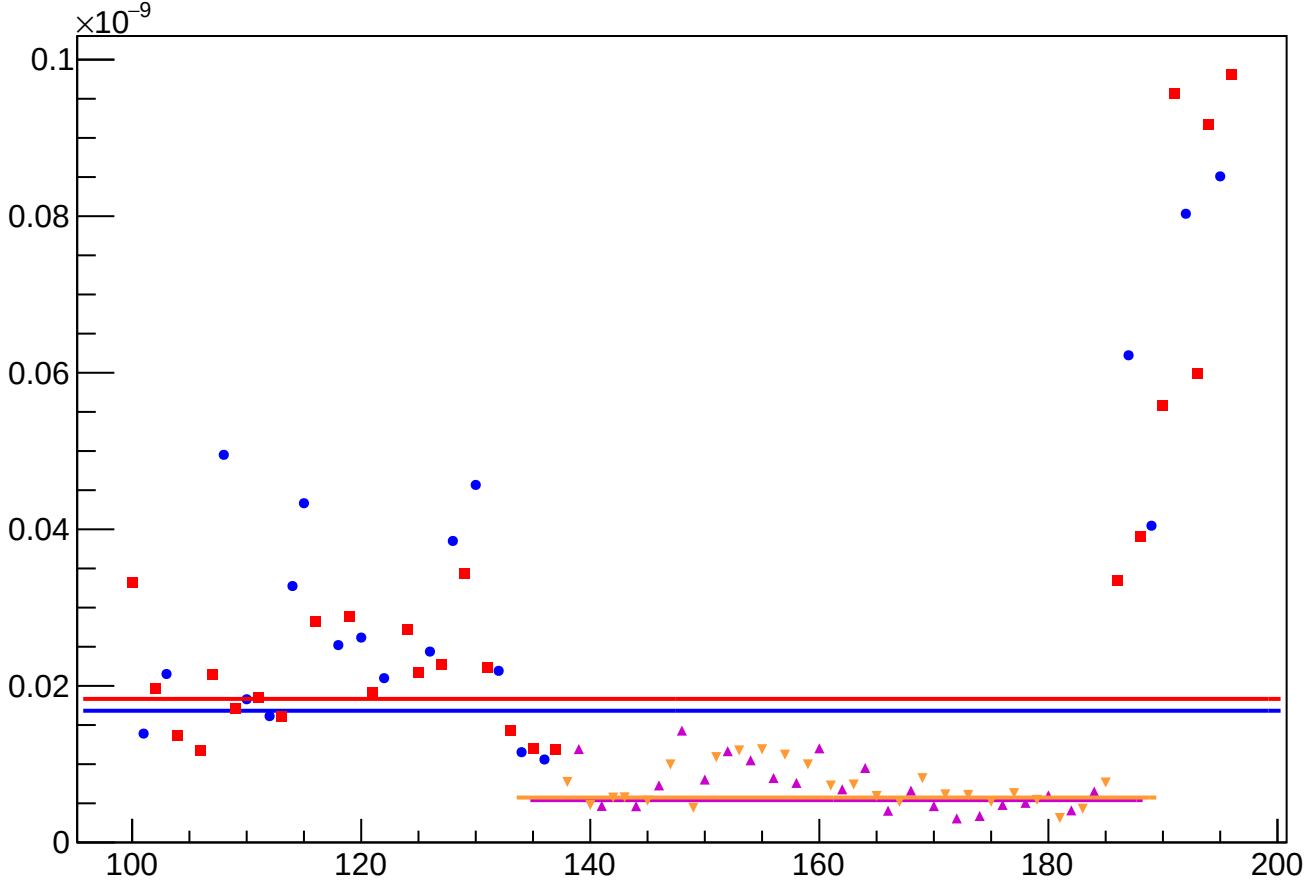
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/44

All: -0.000+/-0.000 χ^2/NDF: 113.1/93

- sign 0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3245553.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3144823.7/25

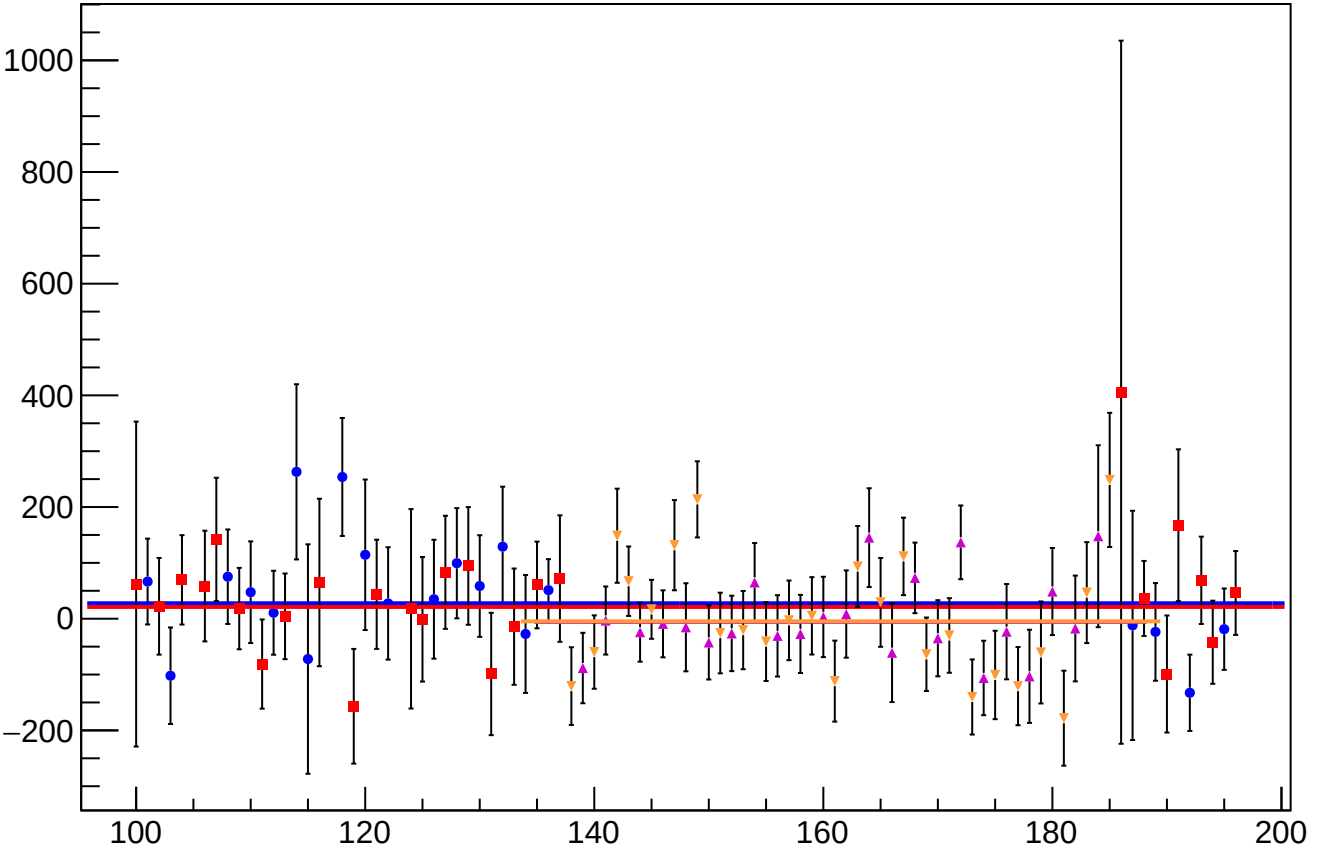
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9848791.8/44

All: 0.000+/-0.000 χ^2/NDF: 21827119.9/93

- sign 0.000+/-0.000 χ^2/NDF: 11955543.9/48

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 27.630+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.092+/-18.721 χ^2/NDF: 13.3/25

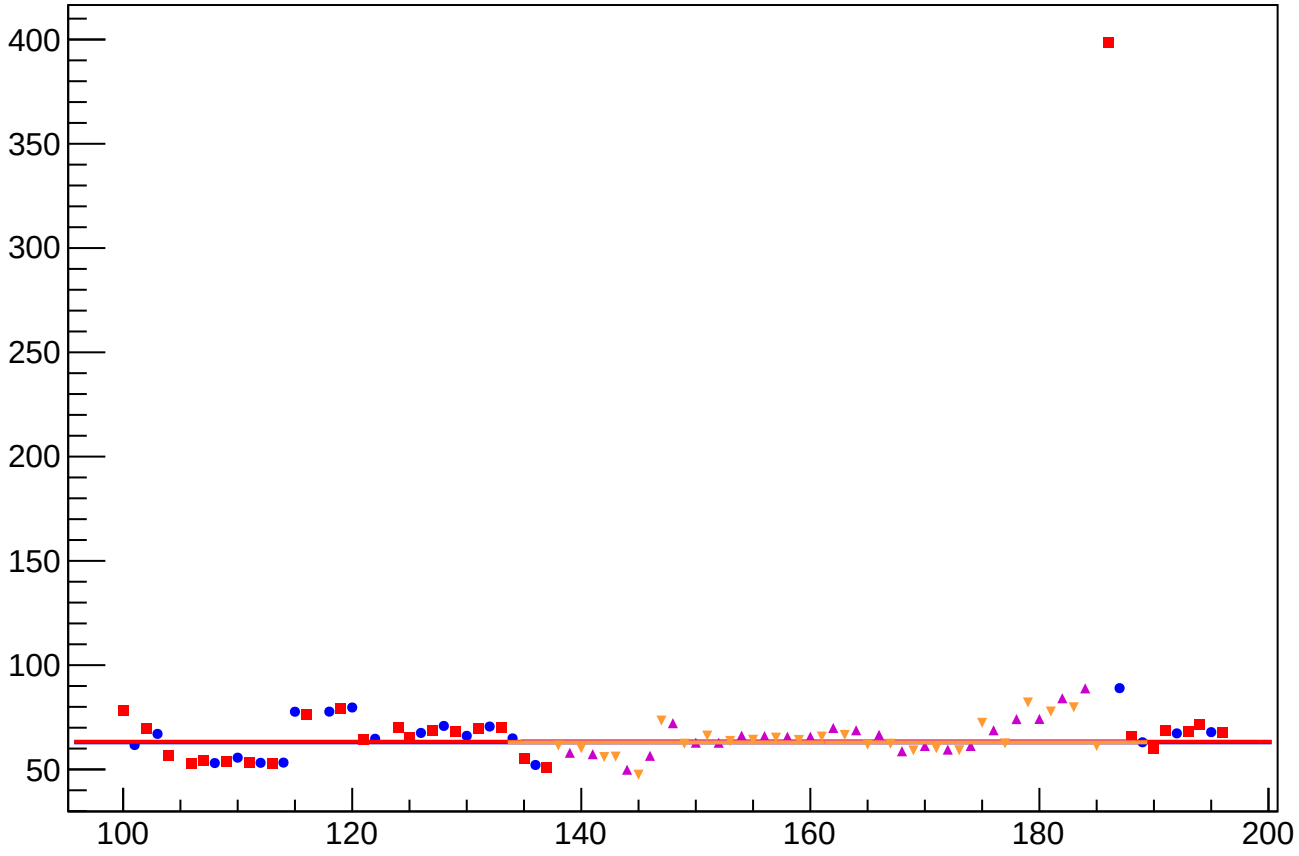
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 6.102+/-11.769 χ^2/NDF: 67.7/44

All: 5.380+/-8.288 χ^2/NDF: 100.6/93

- sign 4.670+/-11.673 χ^2/NDF: 32.9/48

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.994+/-0.014 χ^2/NDF: 322512.3/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

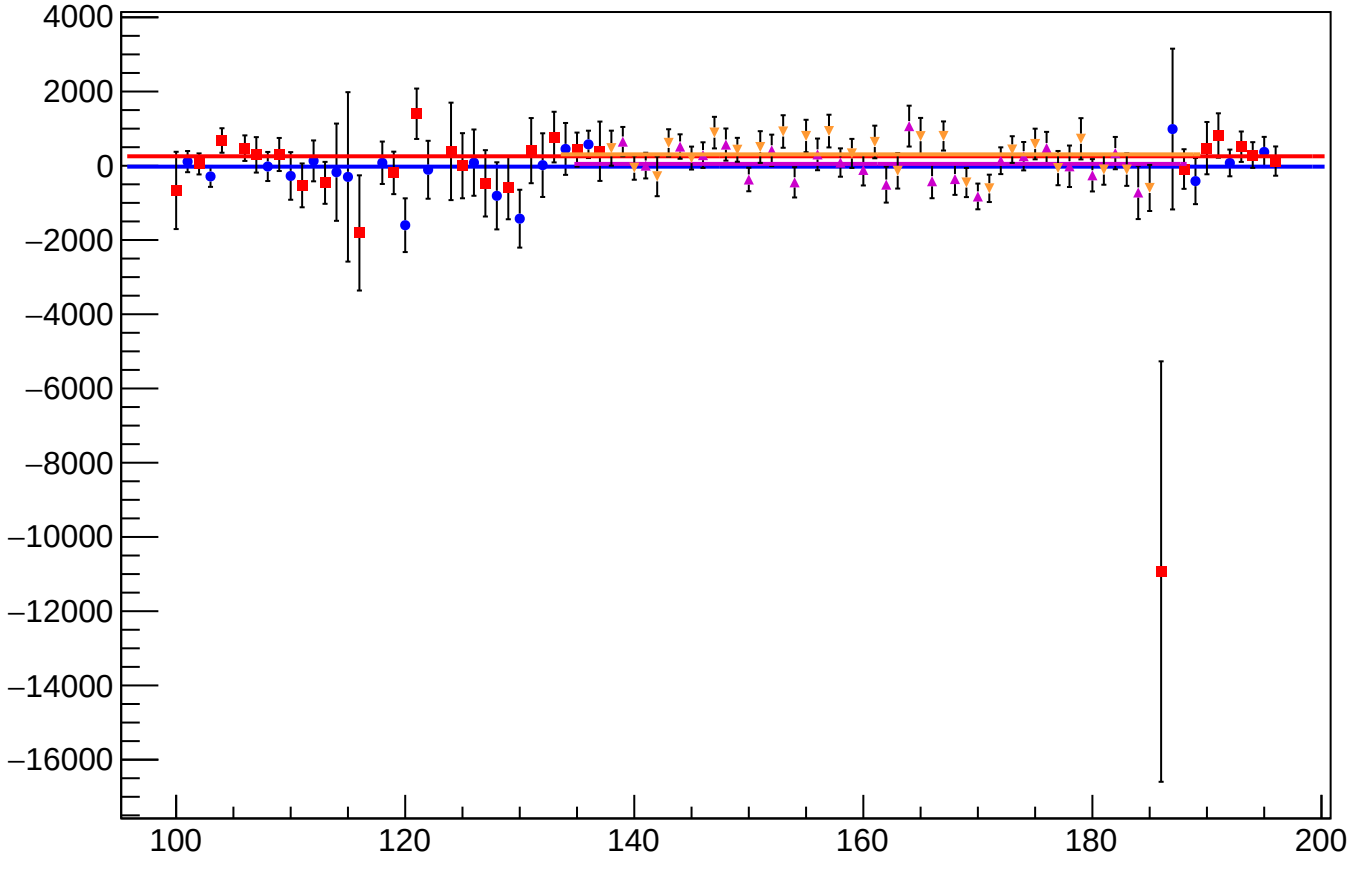
Right Out: 63.275+/-0.013 χ^2/NDF: 919760.9/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.982+/-0.008 χ^2/NDF: 849373.1/44

All: 63.158+/-0.006 χ^2/NDF: 2266971.1/93

\- sign 63.330+/-0.008 χ^2/NDF: 1416715.5/48



Right In: -23.895+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 255.106+/-102.374 χ^2/NDF: 20.4/25

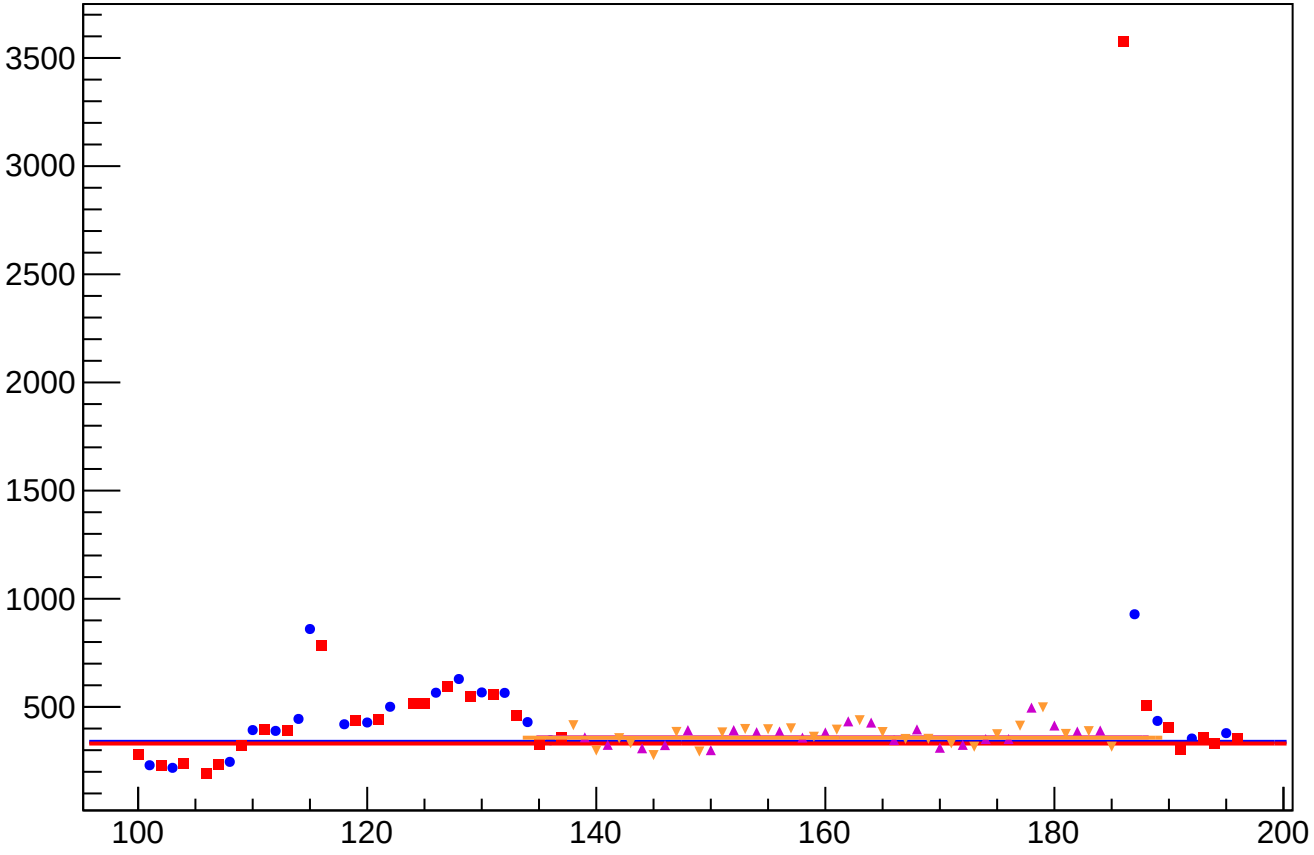
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 163.293+/-46.736 χ^2/NDF: 101.5/93

- sign 133.526+/-65.323 χ^2/NDF: 50.0/48

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 338.559+/-0.081 χ^2/NDF: 1972378.1/19

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 330.687+/-0.072 χ^2/NDF: 2747704.6/25

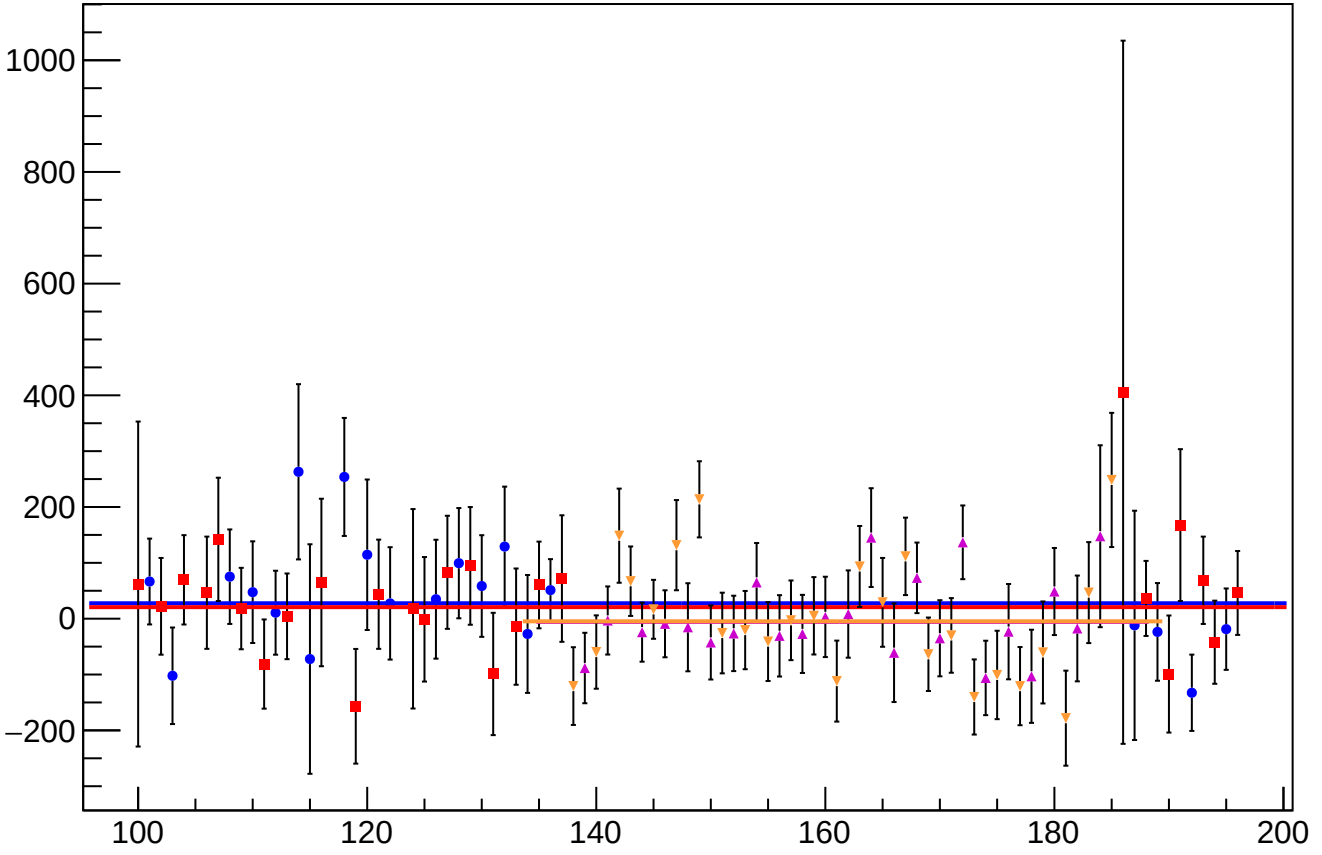
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 351.207+/-0.047 χ^2/NDF: 2692989.6/44

All: 349.401+/-0.033 χ^2/NDF: 6056250.8/93

- sign 347.680+/-0.046 χ^2/NDF: 3360415.2/48

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 27.624+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.640+/-18.730 χ^2/NDF: 13.3/25

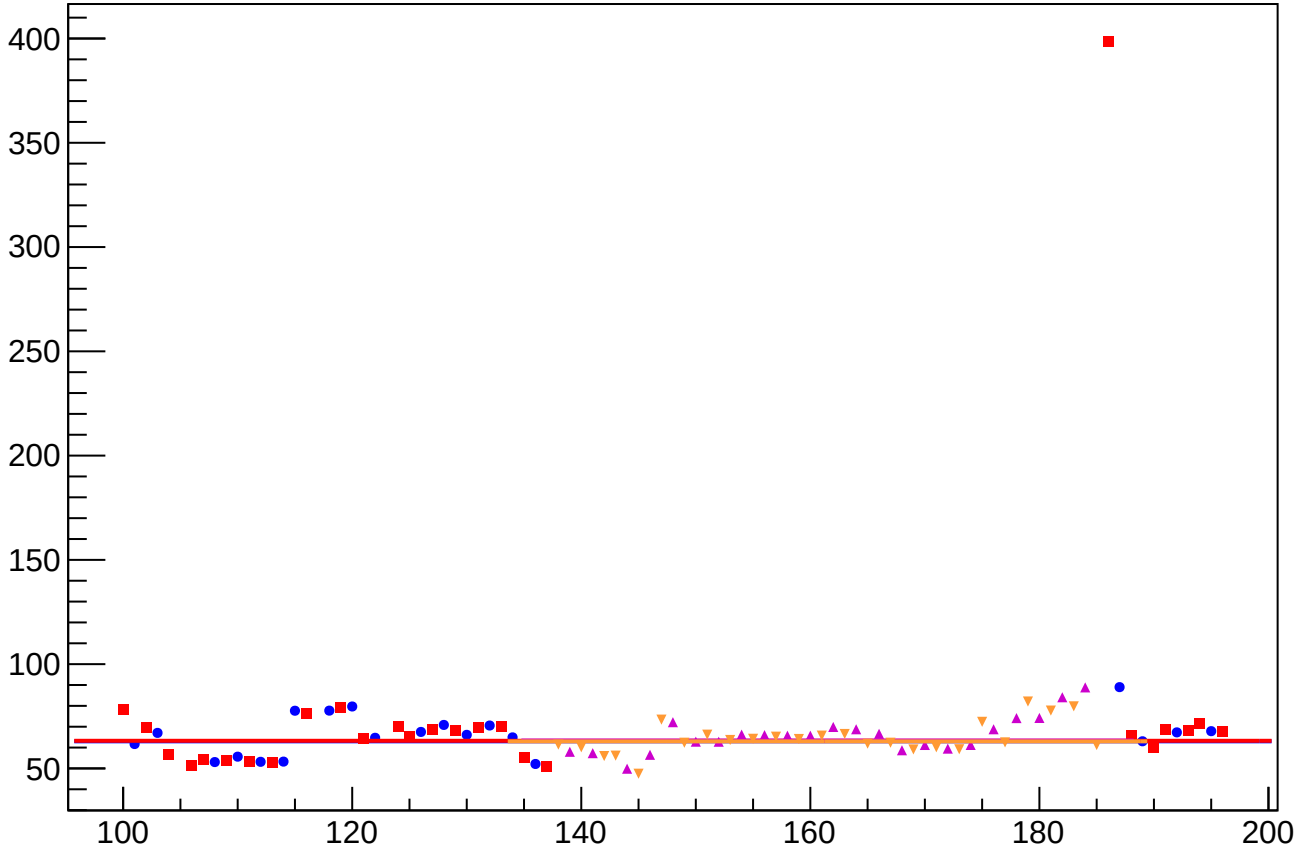
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.096+/-11.769 χ^2/NDF: 67.7/44

All: 5.286+/-8.289 χ^2/NDF: 100.5/93

- sign 4.488+/-11.675 χ^2/NDF: 32.8/48

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.994+/-0.014 χ^2/NDF: 322512.5/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

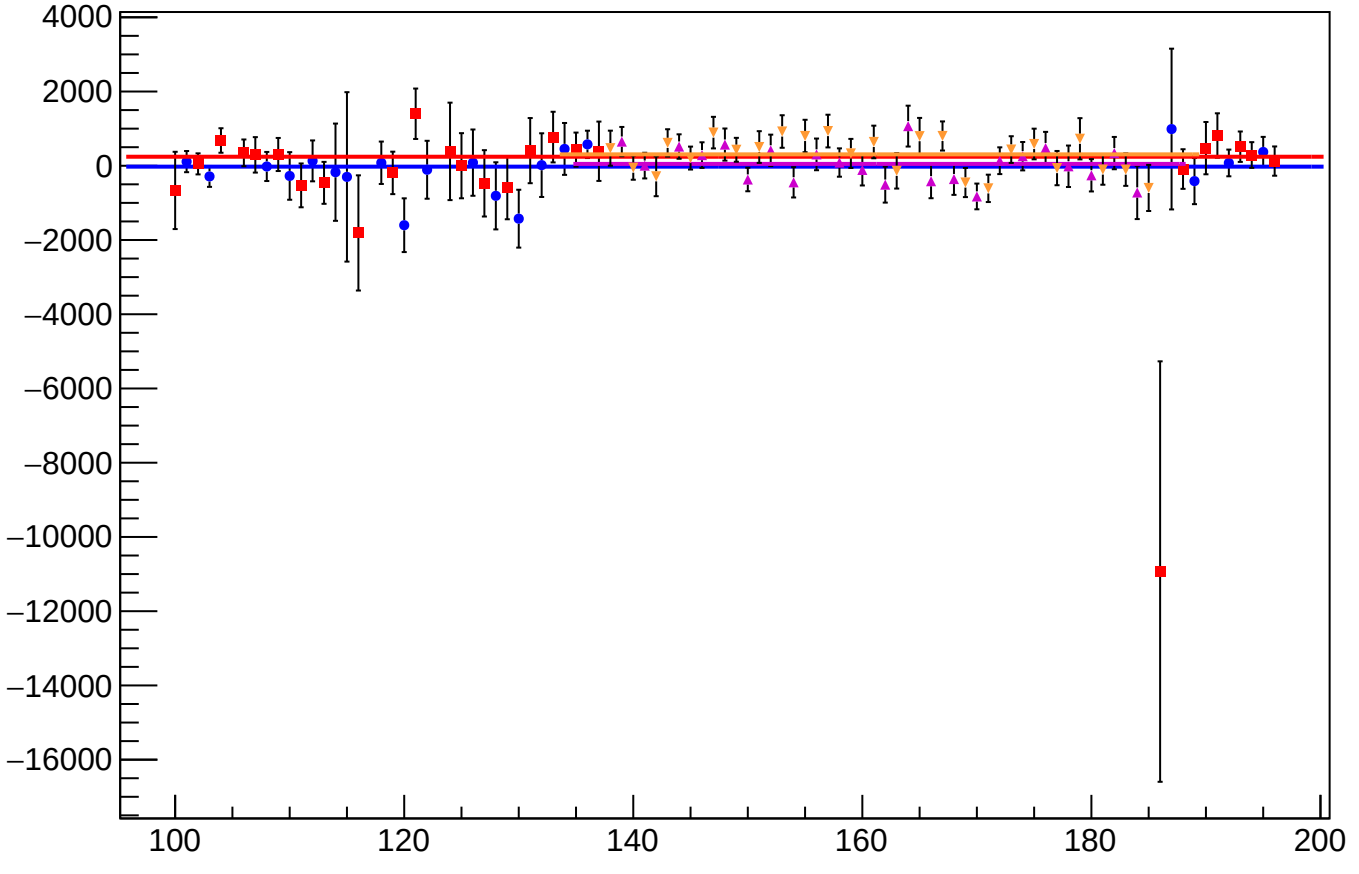
Right Out: 63.249+/-0.013 χ^2/NDF: 923868.3/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.982+/-0.008 χ^2/NDF: 849373.3/44

All: 63.153+/-0.006 χ^2/NDF: 2271047.2/93

\- sign 63.320+/-0.008 χ^2/NDF: 1420841.5/48



Right In: -23.885+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 243.306+/-102.779 χ^2/NDF: 20.0/25

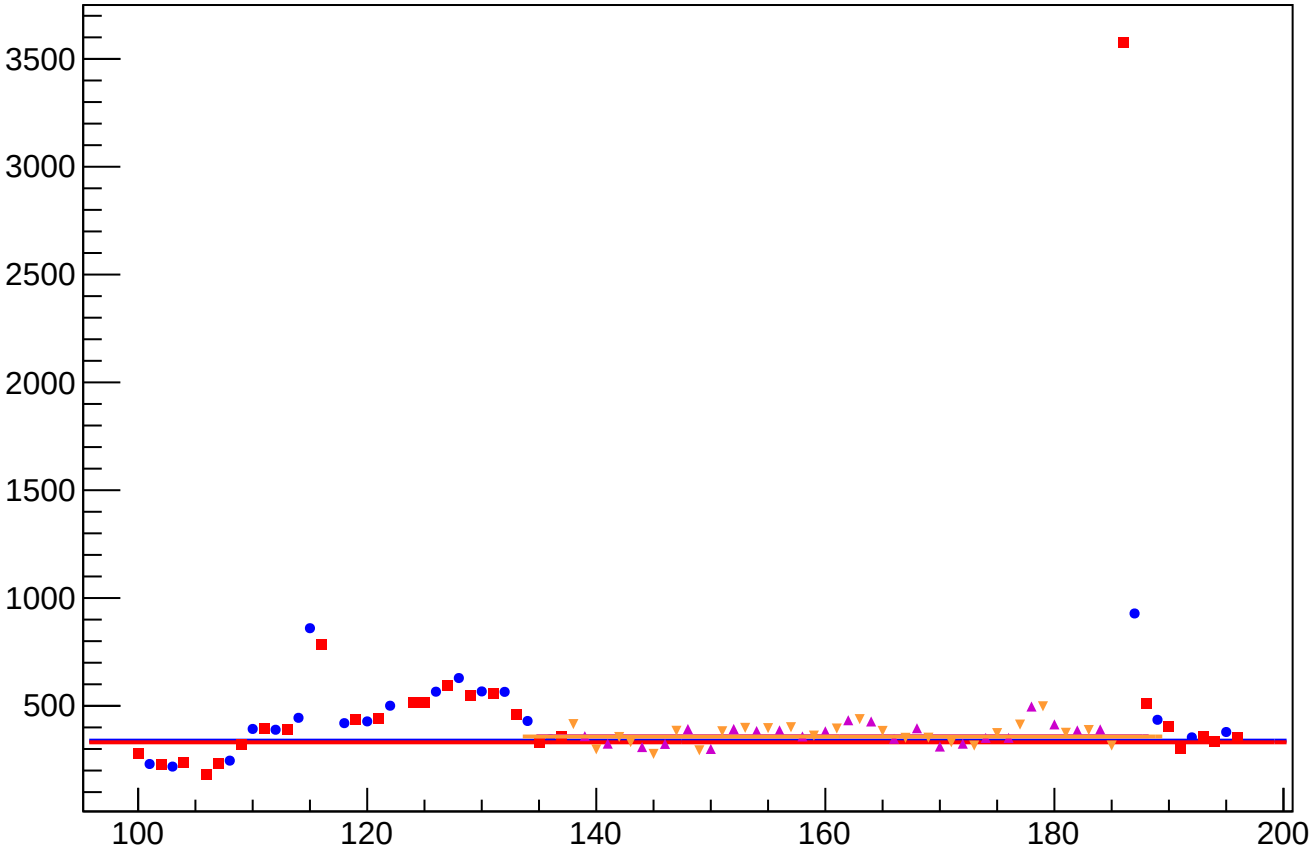
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 160.698+/-46.774 χ^2/NDF: 100.9/93

- sign 128.353+/-65.428 χ^2/NDF: 49.4/48

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 338.562+/-0.081 χ^2/NDF: 1972307.5/19

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 330.952+/-0.073 χ^2/NDF: 2764849.0/25

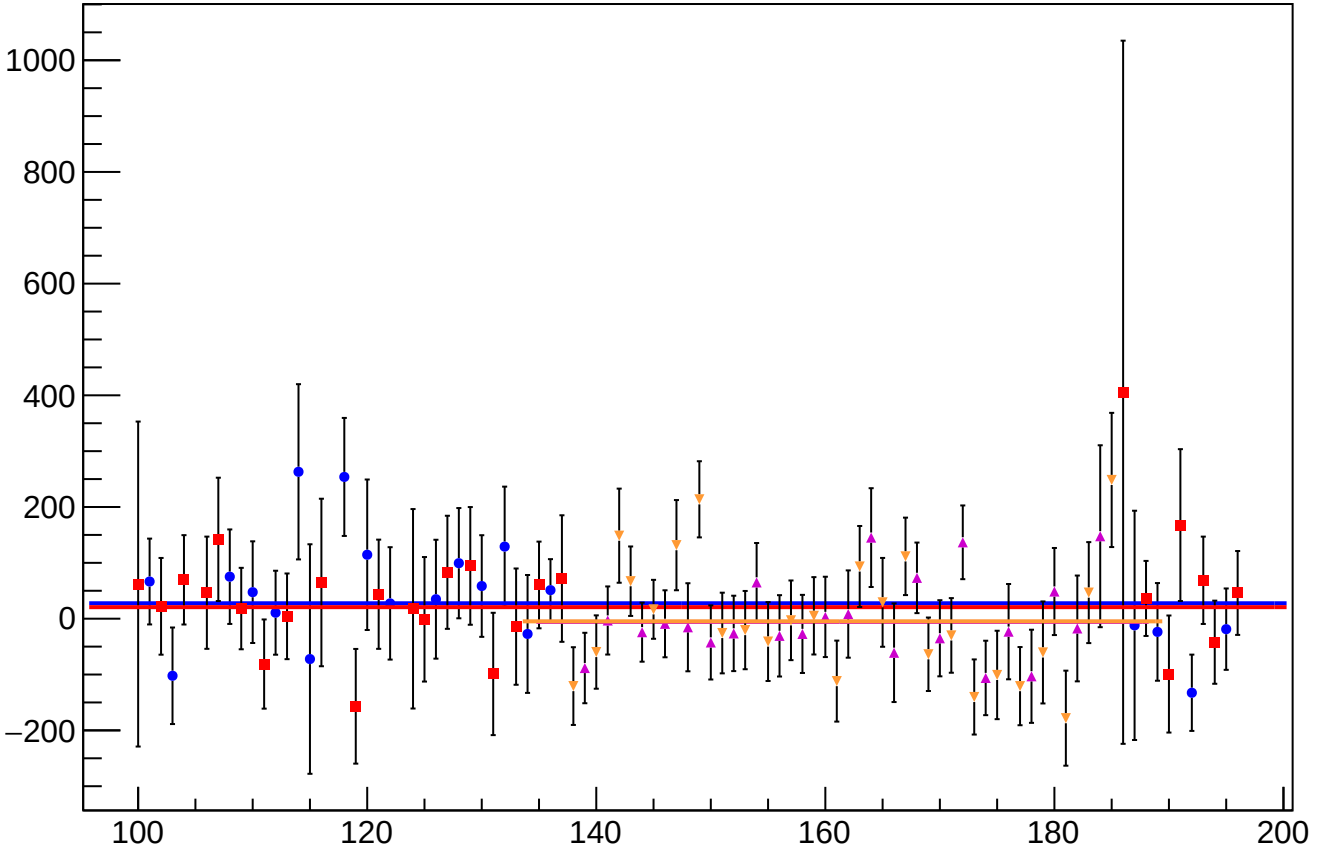
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.208+/-0.047 χ^2/NDF: 2692906.3/44

All: 349.488+/-0.033 χ^2/NDF: 6070914.3/93

- sign 347.842+/-0.046 χ^2/NDF: 3375420.6/48

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 27.624+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.640+/-18.730 χ^2/NDF: 13.3/25

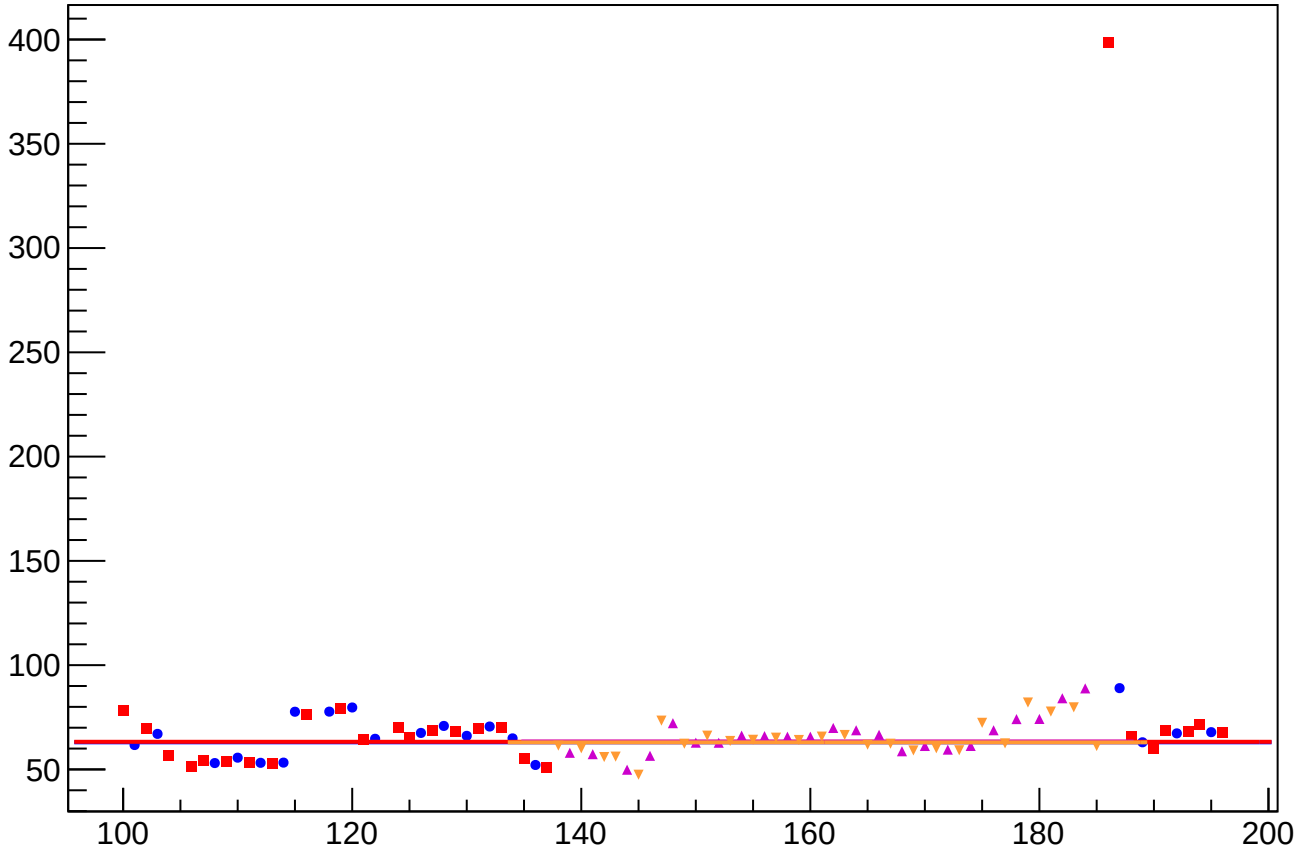
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.096+/-11.769 χ^2/NDF: 67.7/44

All: 5.286+/-8.289 χ^2/NDF: 100.5/93

- sign 4.488+/-11.675 χ^2/NDF: 32.8/48

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.994+/-0.014 χ^2/NDF: 322512.5/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

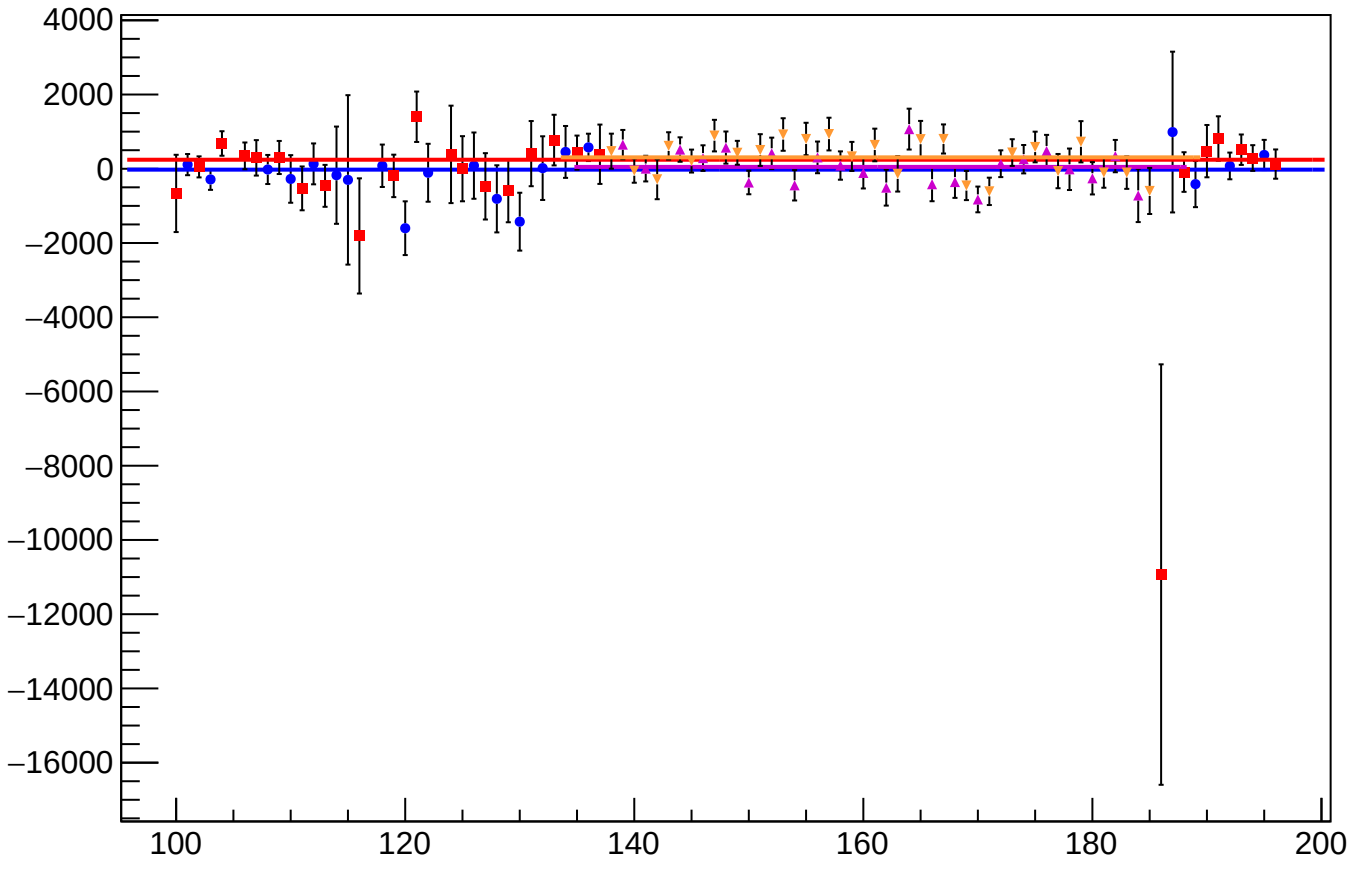
Right Out: 63.249+/-0.013 χ^2/NDF: 923868.3/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.982+/-0.008 χ^2/NDF: 849373.3/44

All: 63.153+/-0.006 χ^2/NDF: 2271047.2/93

\- sign 63.320+/-0.008 χ^2/NDF: 1420841.5/48



Right In: -23.885+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

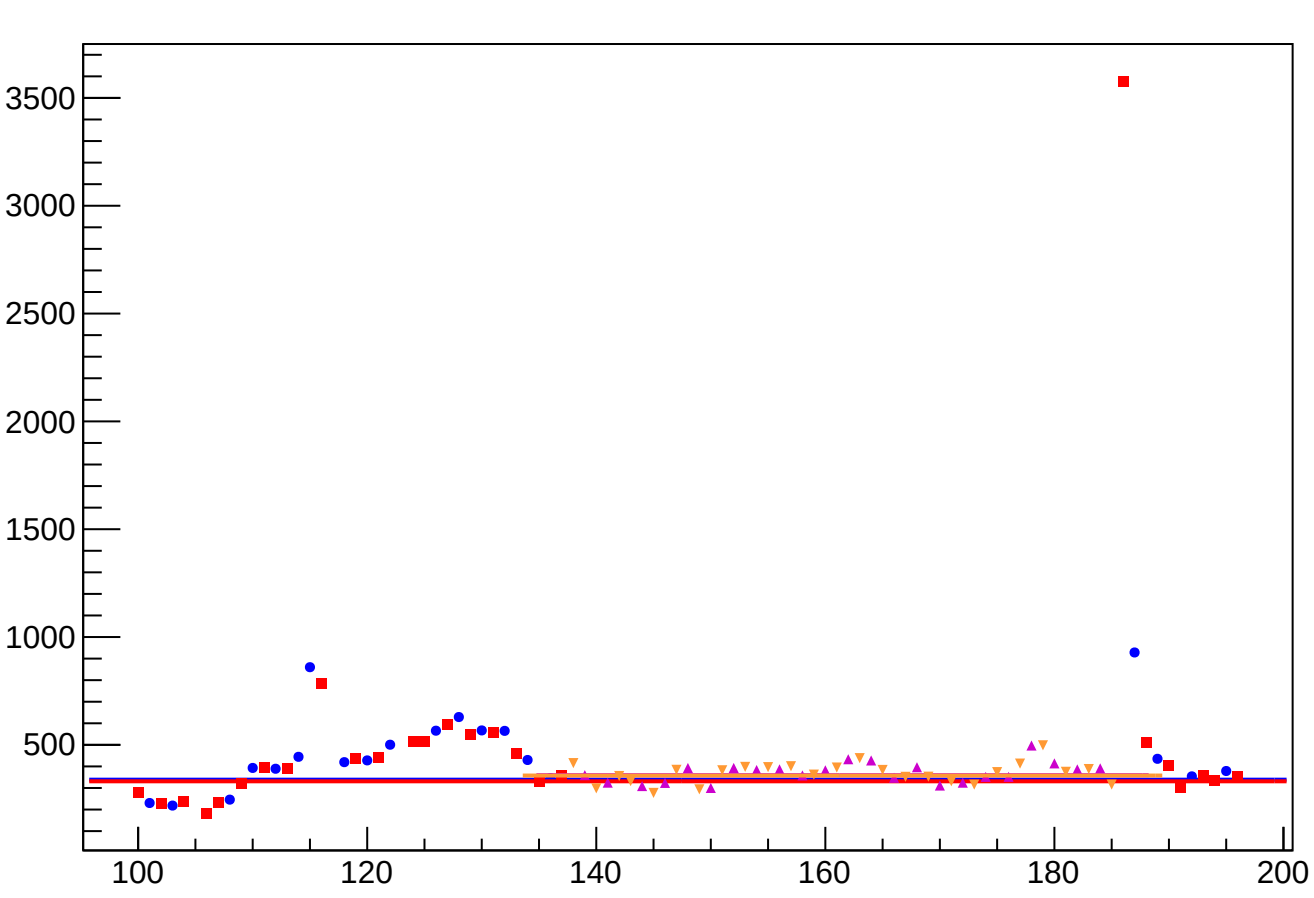
Right Out: 243.306+/-102.779 χ^2/NDF: 20.0/25

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 160.698+/-46.774 χ^2/NDF: 100.9/93

- sign 128.353+/-65.428 χ^2/NDF: 49.4/48



Right In: 338.562+/-0.081 χ^2/NDF: 1972307.5/19

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 330.952+/-0.073 χ^2/NDF: 2764849.0/25

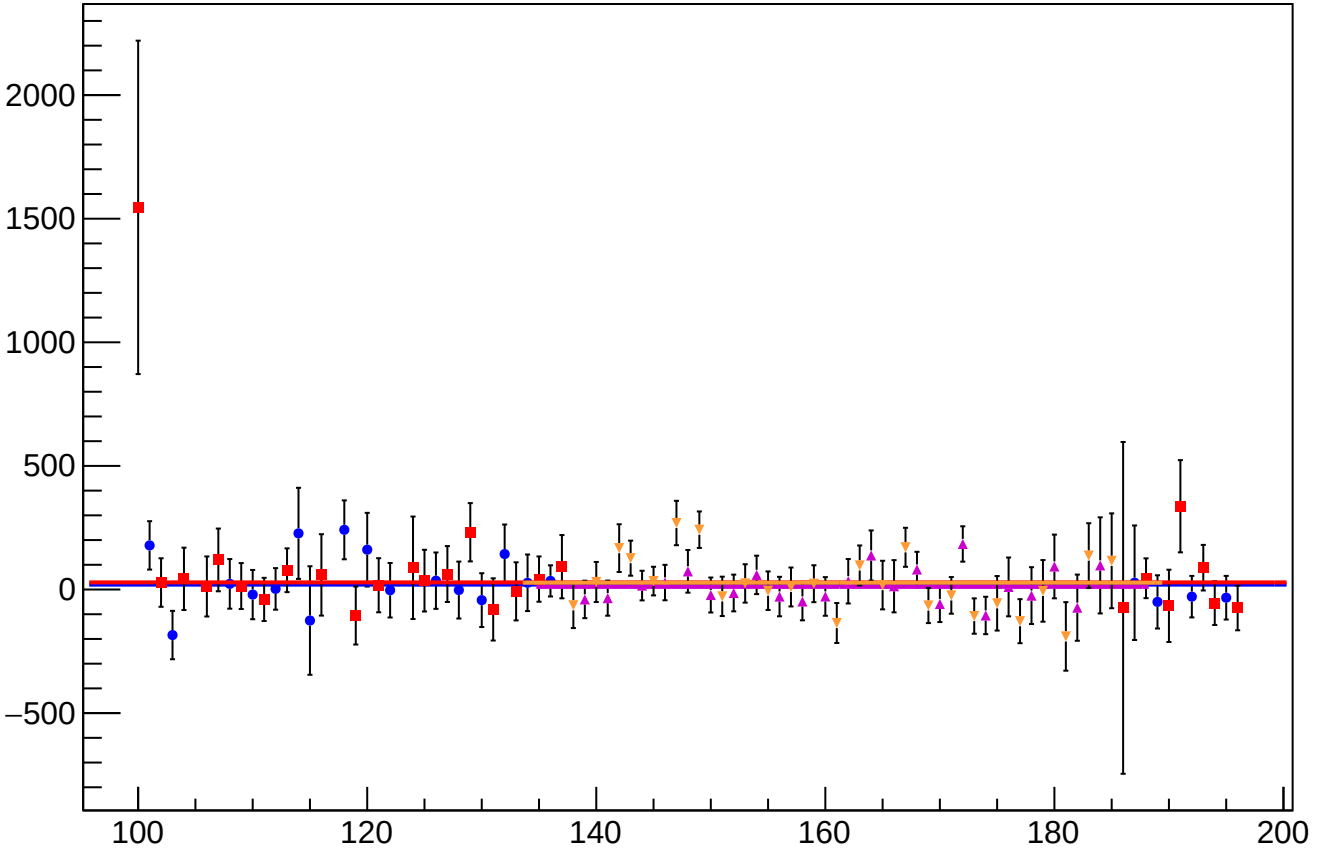
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.208+/-0.047 χ^2/NDF: 2692906.3/44

All: 349.488+/-0.033 χ^2/NDF: 6070914.3/93

- sign 347.842+/-0.046 χ^2/NDF: 3375420.6/48

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.739+/-23.516 χ^2/NDF: 15.9/19

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 28.822+/-22.250 χ^2/NDF: 18.0/25

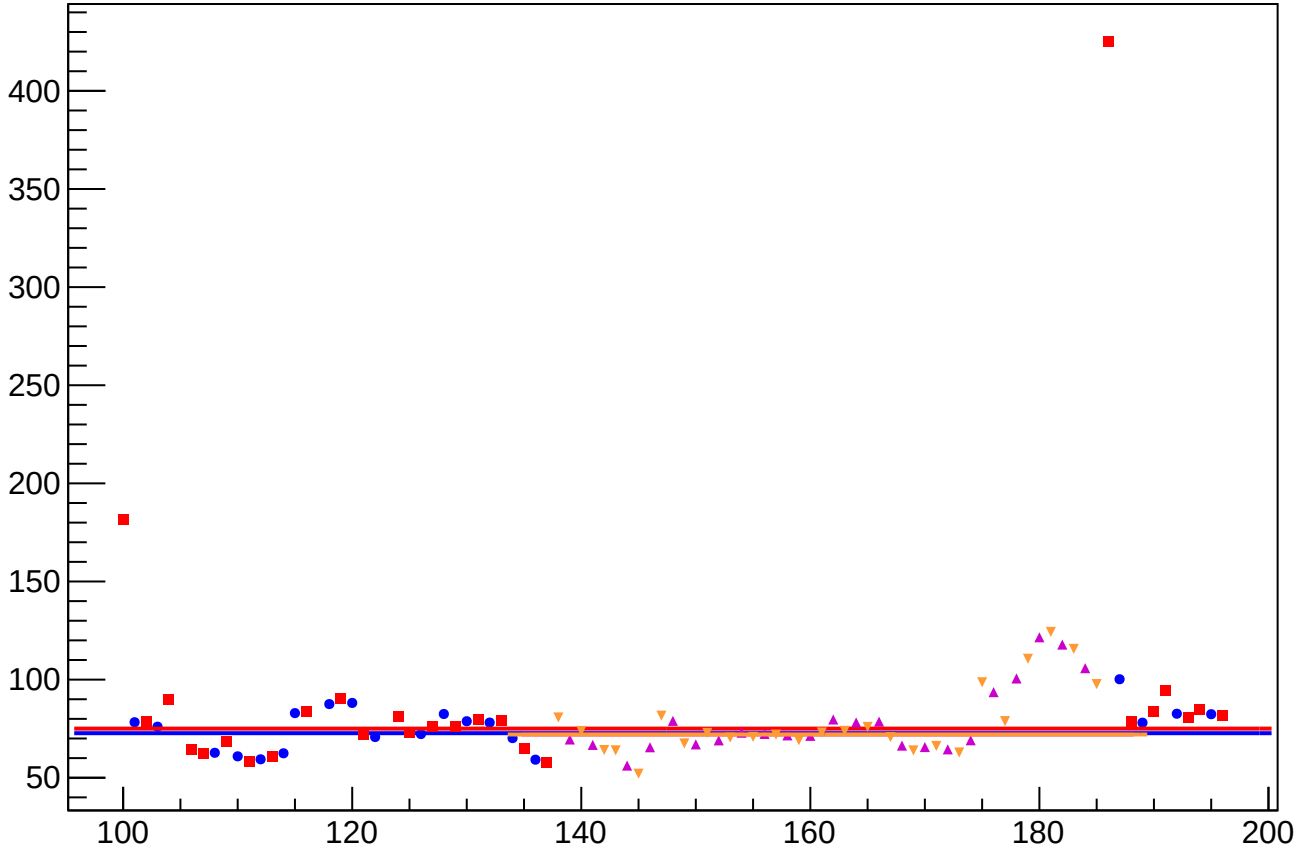
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.974+/-13.639 χ^2/NDF: 58.4/44

All: 21.171+/-9.638 χ^2/NDF: 93.0/93

- sign 17.379+/-13.620 χ^2/NDF: 34.5/48

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.697+/-0.017 χ^2/NDF: 372771.5/19

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

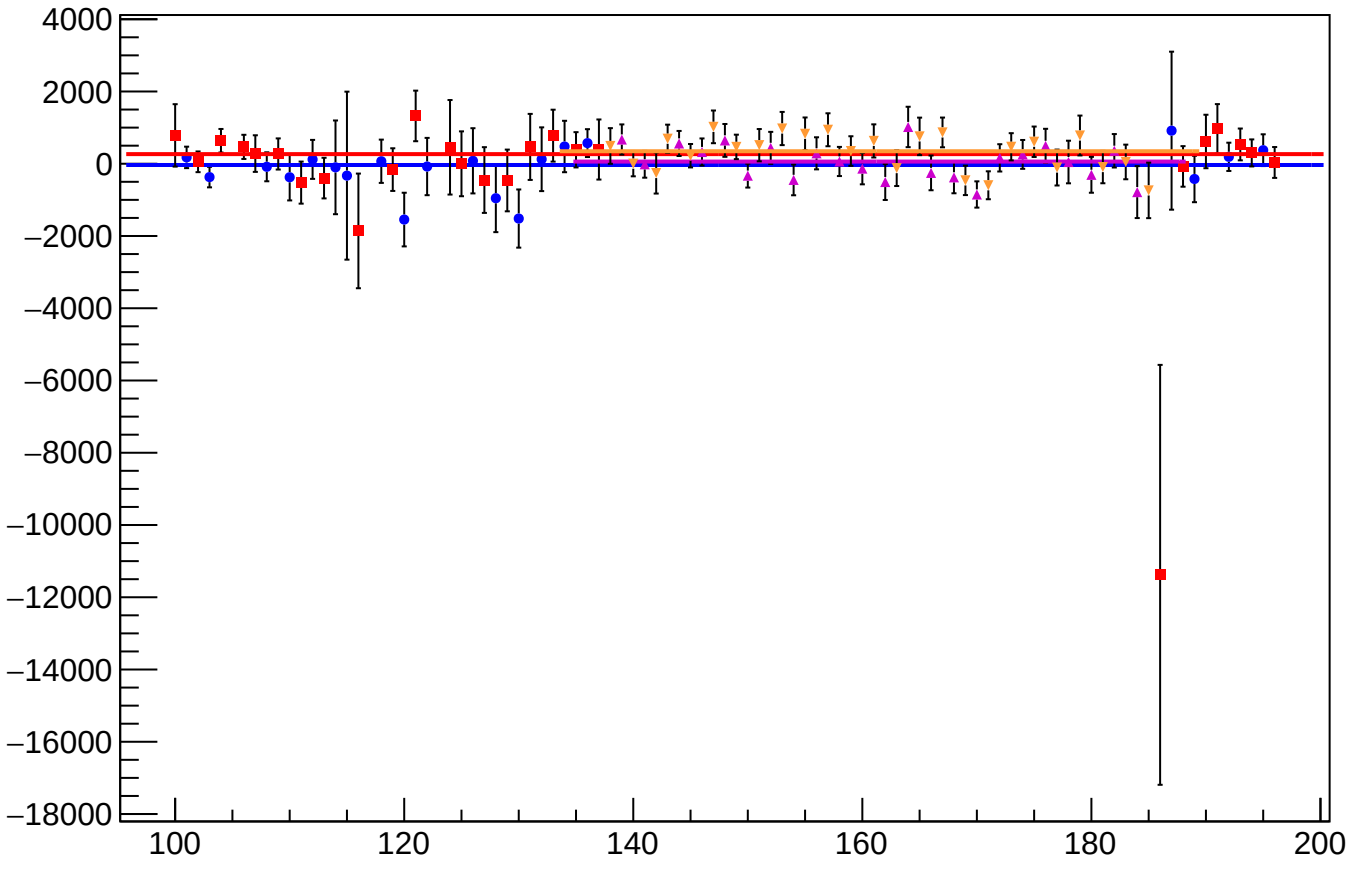
Right Out: 75.030+/-0.016 χ^2/NDF: 981097.3/25

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.262+/-0.010 χ^2/NDF: 1643278.3/44

All: 72.728+/-0.007 χ^2/NDF: 3709699.4/93

- sign 73.193+/-0.010 χ^2/NDF: 2061751.8/48



Right In: -34.697+/-118.703 χ^2/NDF: 15.6/19

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 266.406+/-104.993 χ^2/NDF: 18.8/25

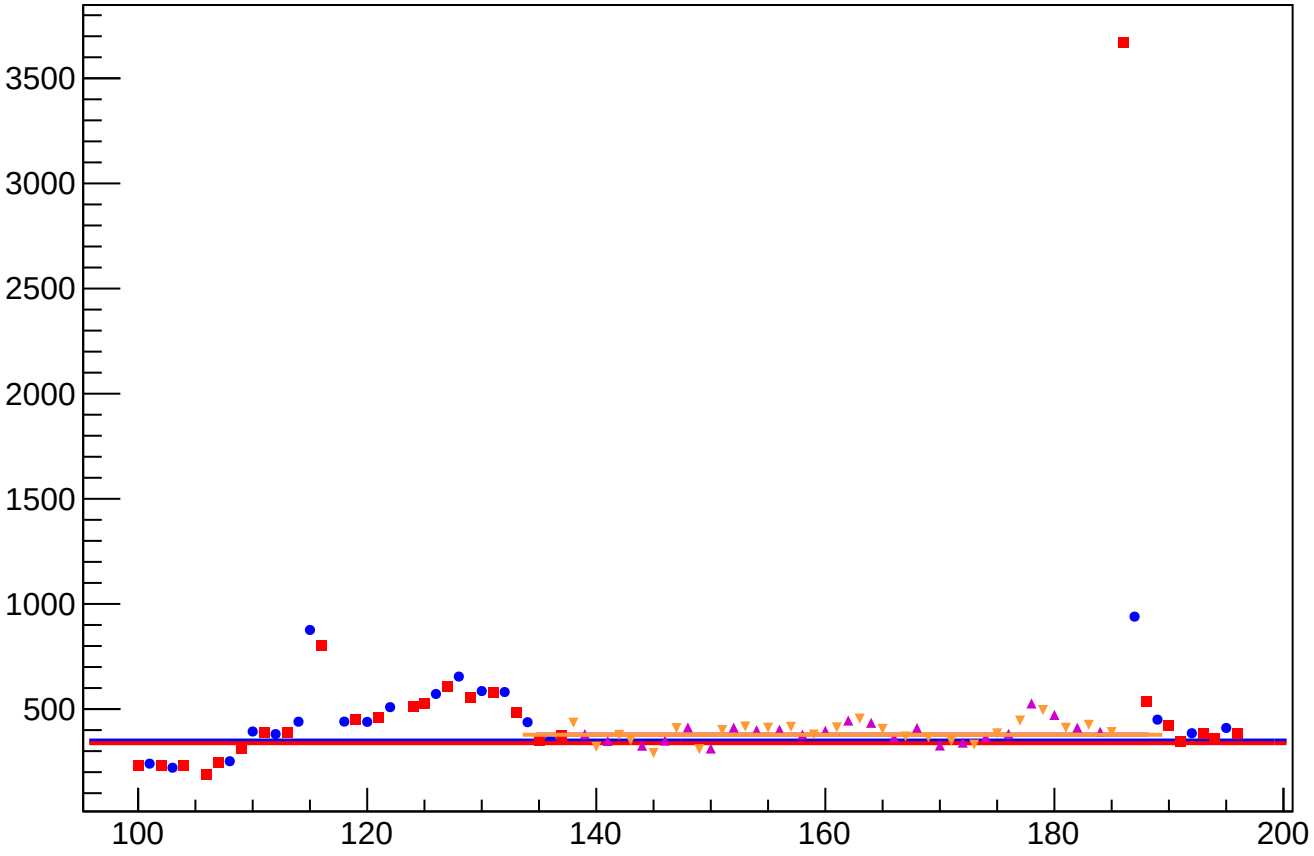
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 213.299+/-70.078 χ^2/NDF: 51.2/44

All: 179.039+/-48.828 χ^2/NDF: 98.6/93

- sign 146.712+/-68.072 χ^2/NDF: 46.9/48

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 350.354+/-0.084 χ^2/NDF: 2005458.7/19

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 337.757+/-0.074 χ^2/NDF: 2971121.4/25

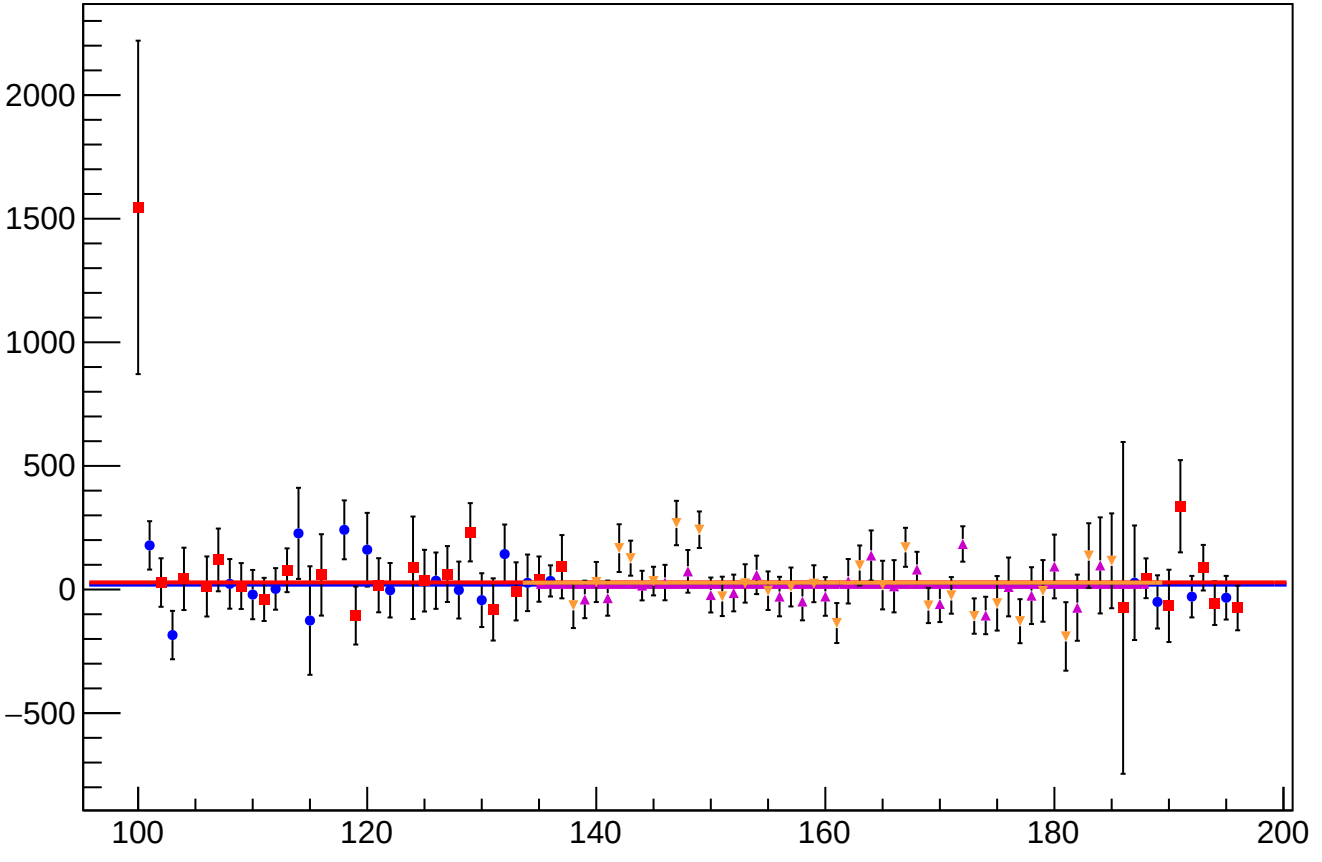
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 368.232+/-0.050 χ^2/NDF: 2711814.2/44

All: 364.813+/-0.035 χ^2/NDF: 6397624.7/93

- sign 361.587+/-0.048 χ^2/NDF: 3676558.2/48

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.739+/-23.516 χ^2/NDF: 15.9/19

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 28.822+/-22.250 χ^2/NDF: 18.0/25

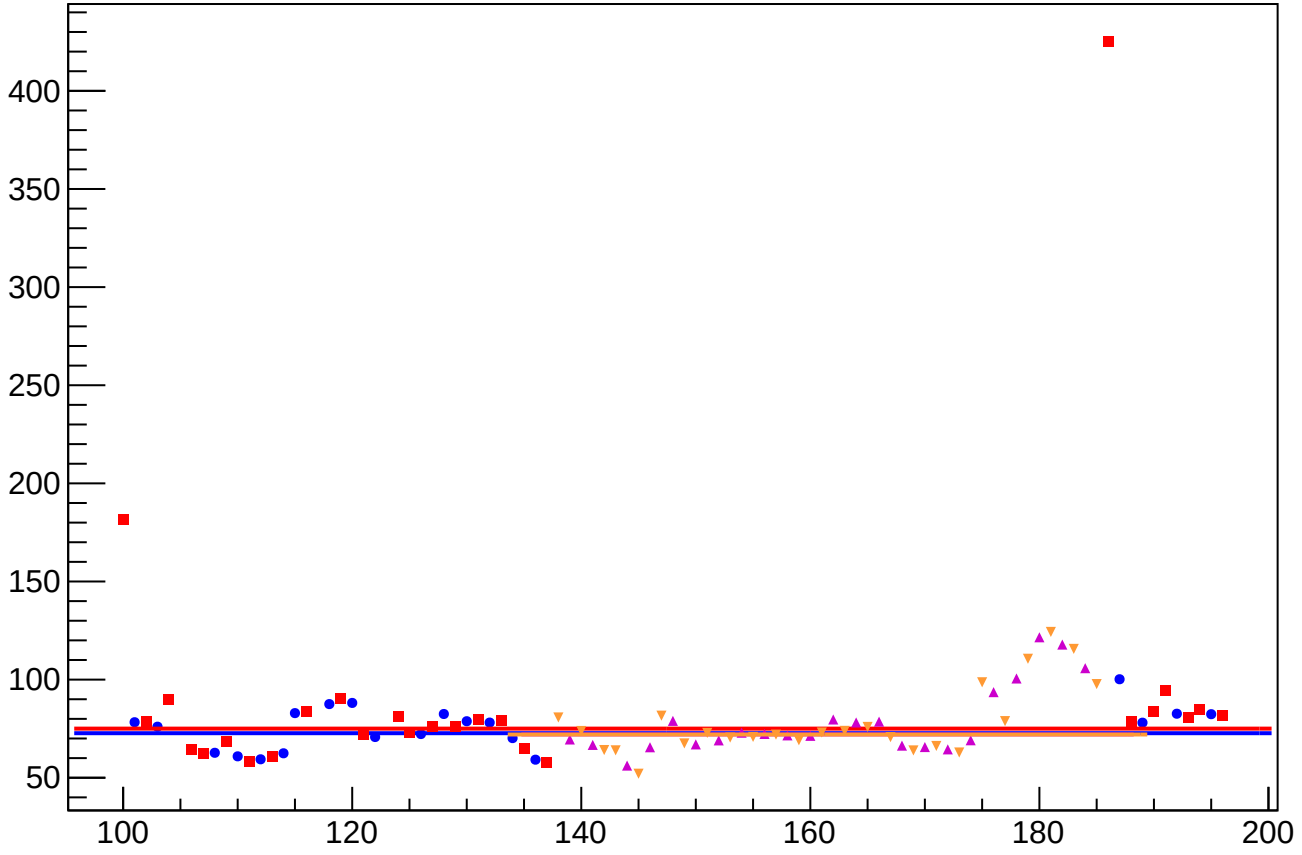
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.973+/-13.639 χ^2/NDF: 58.4/44

All: 21.171+/-9.638 χ^2/NDF: 93.0/93

- sign 17.379+/-13.620 χ^2/NDF: 34.5/48

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.697+/-0.017 χ^2/NDF: 372769.5/19

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

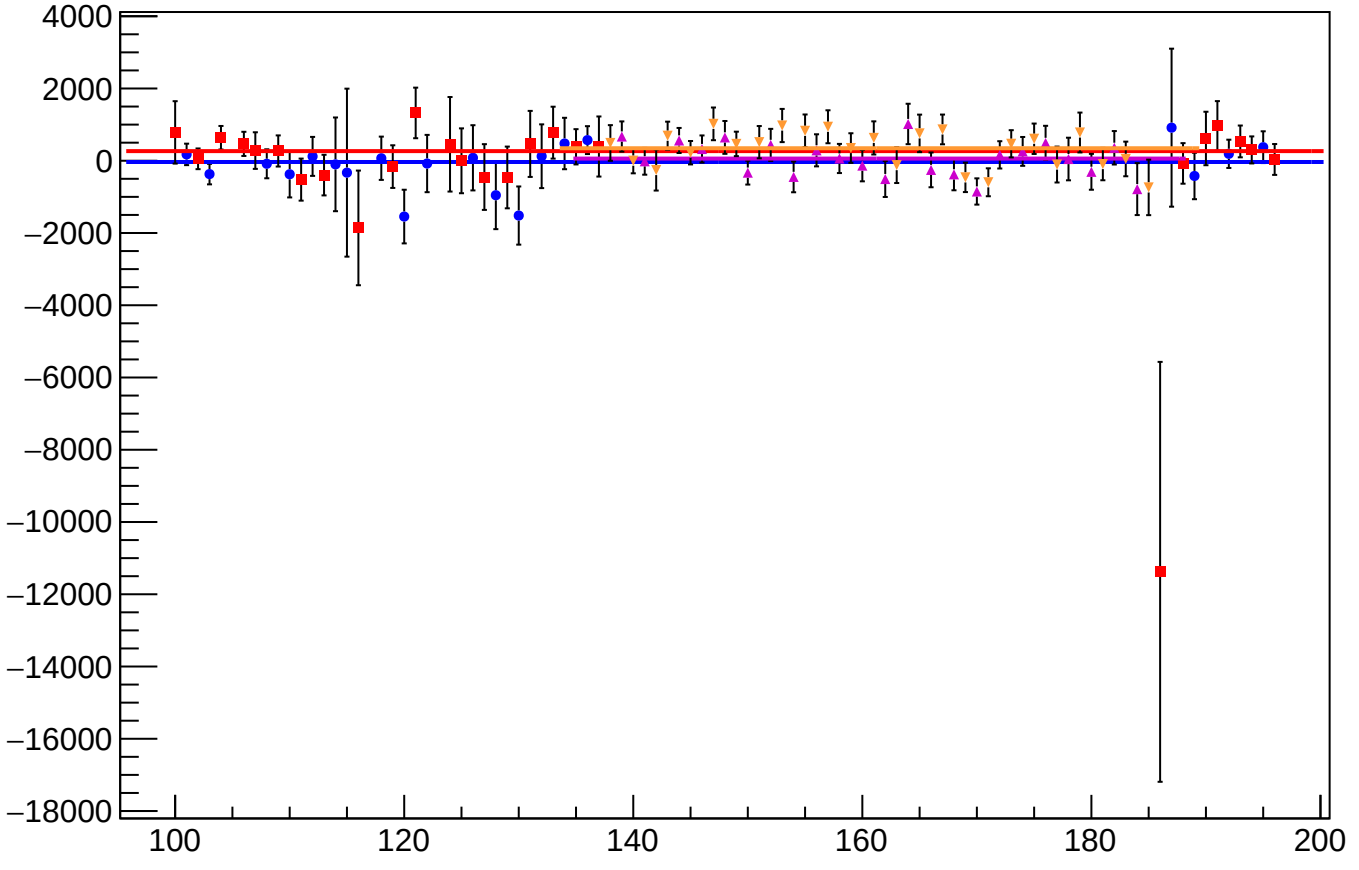
Right Out: 75.030+/-0.016 χ^2/NDF: 981095.7/25

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.262+/-0.010 χ^2/NDF: 1643284.0/44

All: 72.728+/-0.007 χ^2/NDF: 3709693.2/93

- sign 73.193+/-0.010 χ^2/NDF: 2061740.4/48



Right In: -34.698+/-118.703 χ^2/NDF: 15.6/19

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

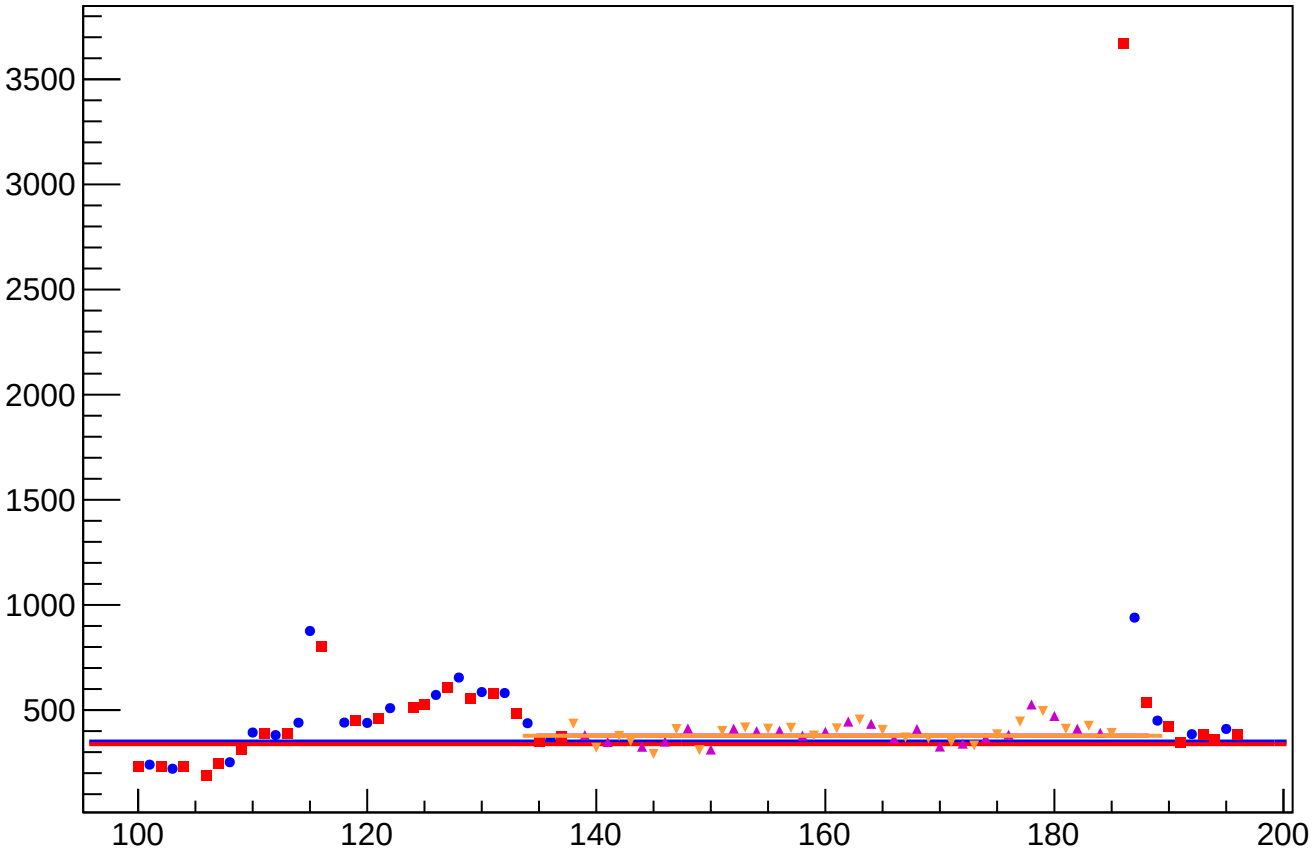
Right Out: 266.406+/-104.993 χ^2/NDF: 18.8/25

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

\+ sign 213.299+/-70.078 χ^2/NDF: 51.2/44

All: 179.039+/-48.828 χ^2/NDF: 98.6/93

\- sign 146.712+/-68.072 χ^2/NDF: 46.9/48



Right In: 350.354+/-0.084 χ^2/NDF: 2005455.0/19

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 337.757+/-0.074 χ^2/NDF: 2971110.9/25

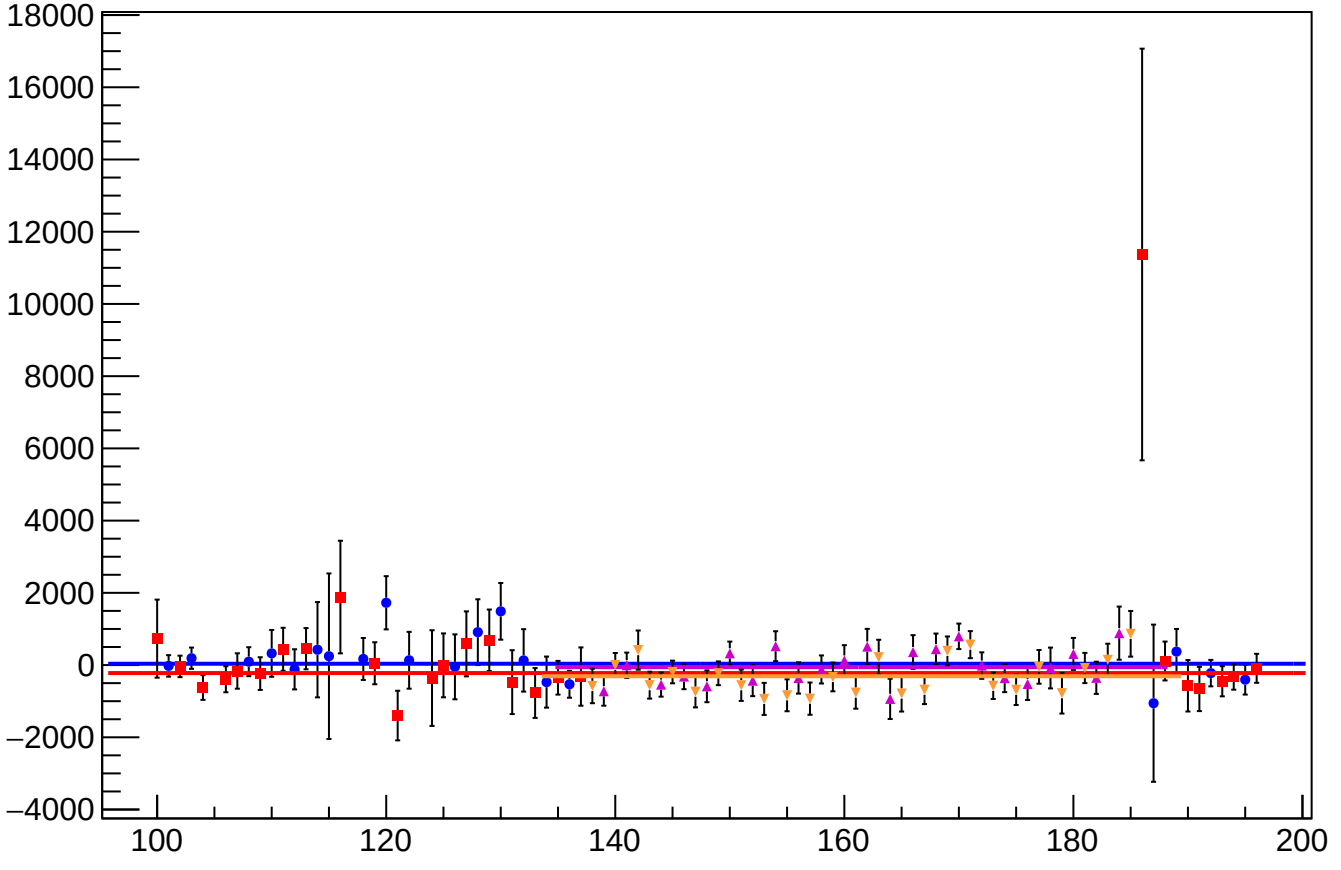
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 368.232+/-0.050 χ^2/NDF: 2711808.3/44

All: 364.813+/-0.035 χ^2/NDF: 6397603.4/93

- sign 361.587+/-0.048 χ^2/NDF: 3676542.7/48

asym_sam_37_48_dd_mean vs Slug



Right In: 36.476+/-117.403 χ^2/NDF: 15.4/19

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -221.456+/-104.936 χ^2/NDF: 19.0/25

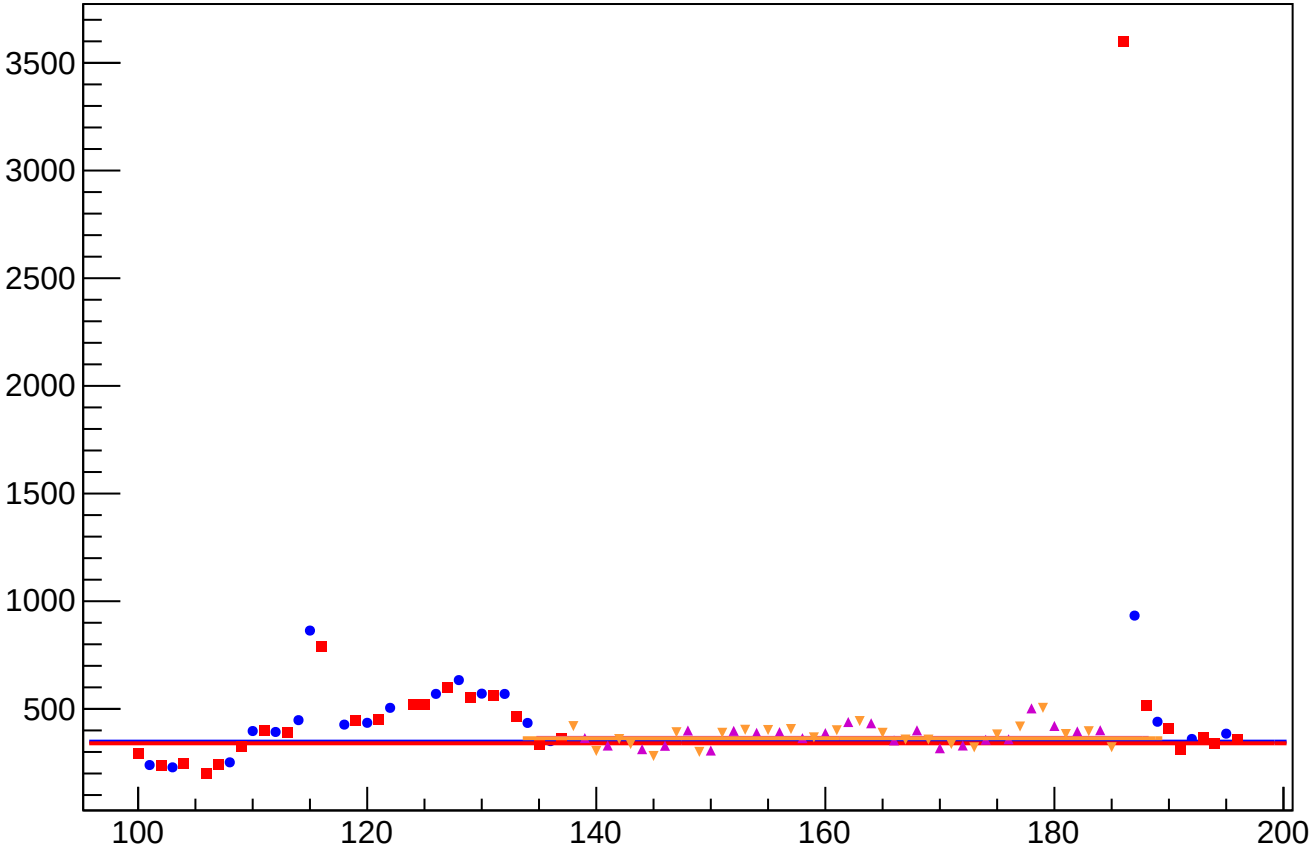
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -192.788+/-68.156 χ^2/NDF: 51.1/44

All: -157.409+/-47.641 χ^2/NDF: 100.0/93

- sign -123.608+/-66.619 χ^2/NDF: 48.4/48

asym_sam_37_48_dd_rms vs Slug



Right In: 347.915+/-0.083 χ^2/NDF: 1841145.5/19

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

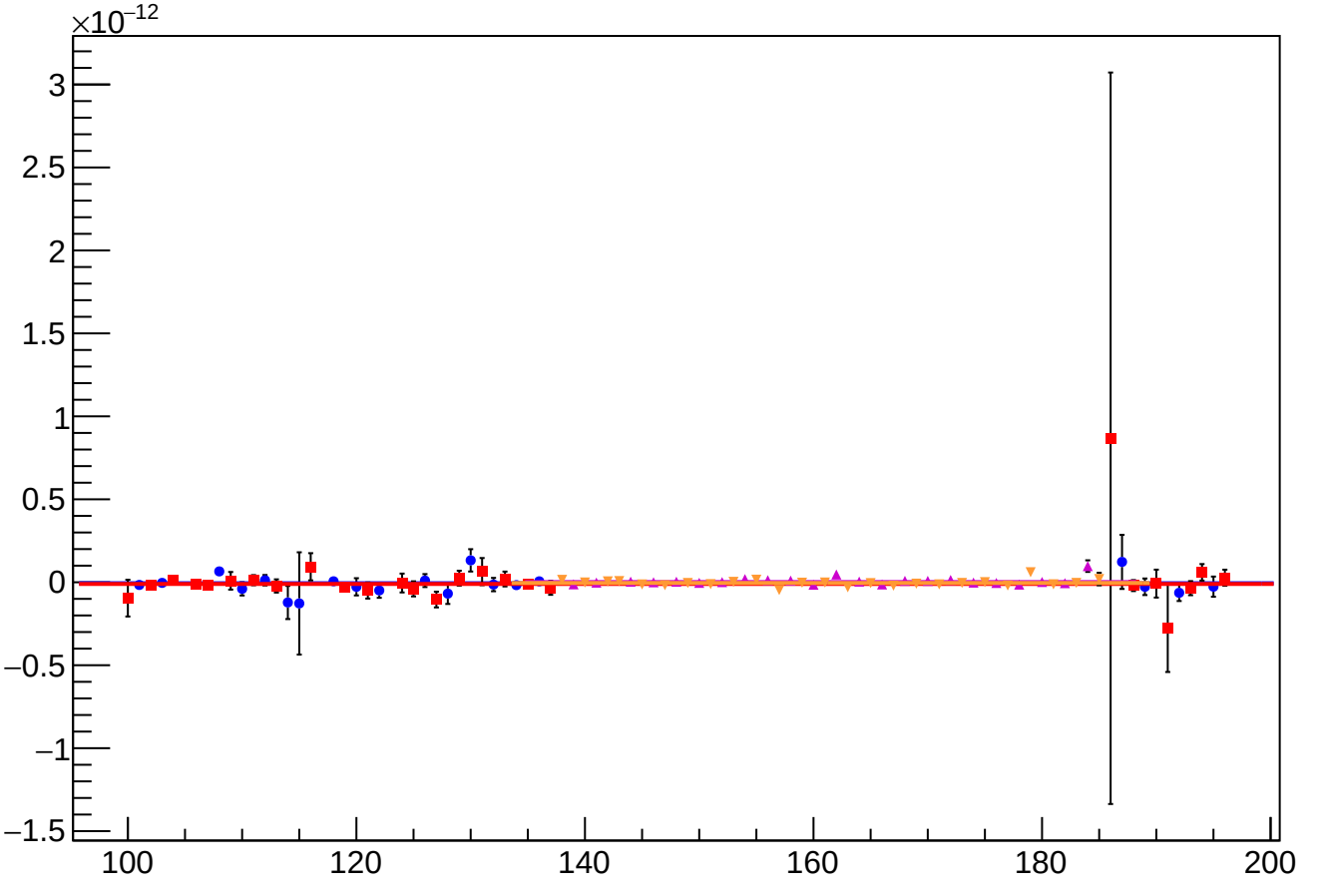
Right Out: 340.224+/-0.074 χ^2/NDF: 2596211.7/25

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 358.389+/-0.048 χ^2/NDF: 2534403.9/44

All: 356.762+/-0.034 χ^2/NDF: 5710649.1/93

- sign 355.207+/-0.047 χ^2/NDF: 3174016.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

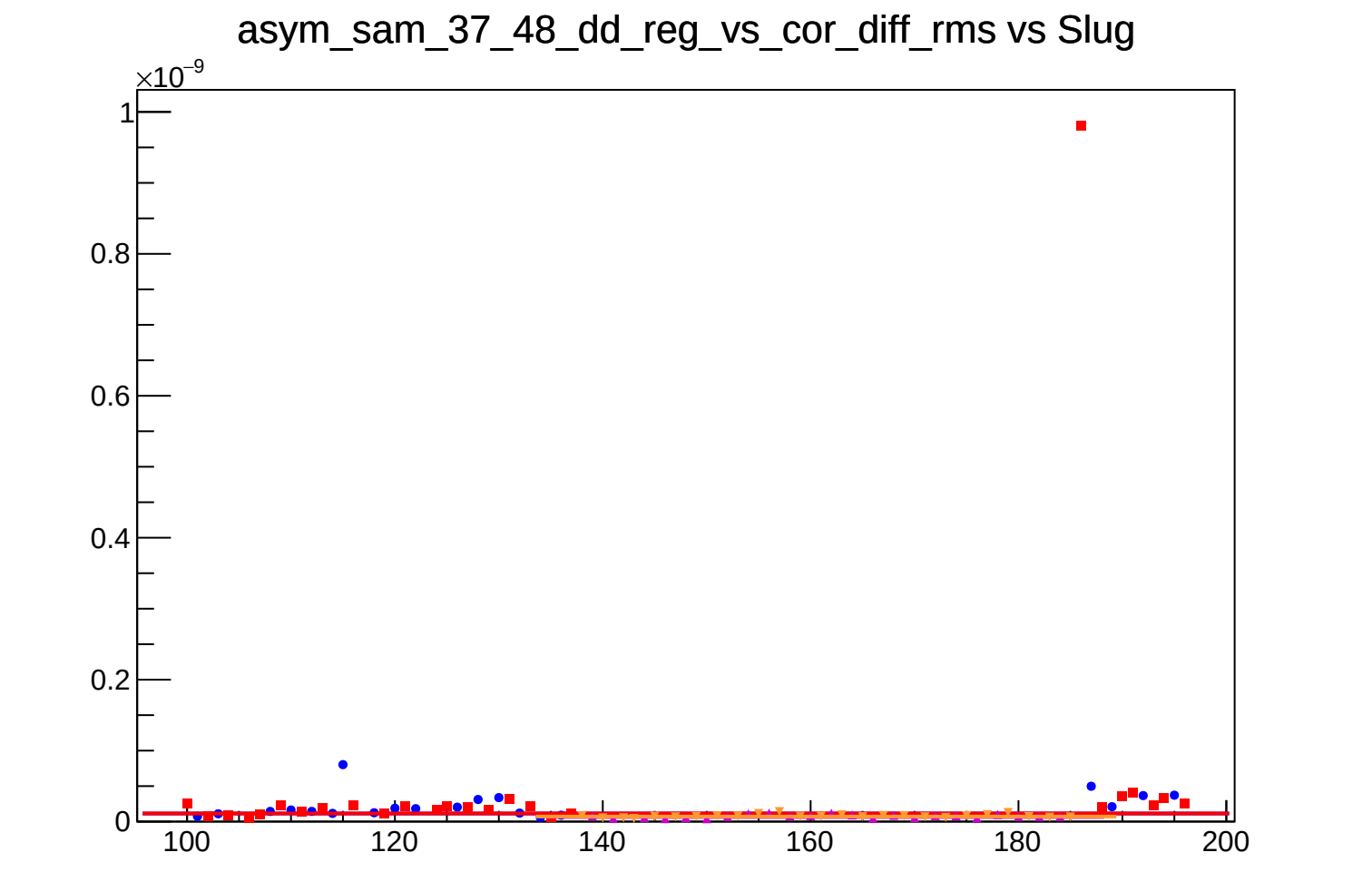
Right Out: -0.000+/-0.000 χ^2/NDF: 16.6/25

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/44

All: -0.000+/-0.000 χ^2/NDF: 83.3/93

- sign -0.000+/-0.000 χ^2/NDF: 41.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2287104.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

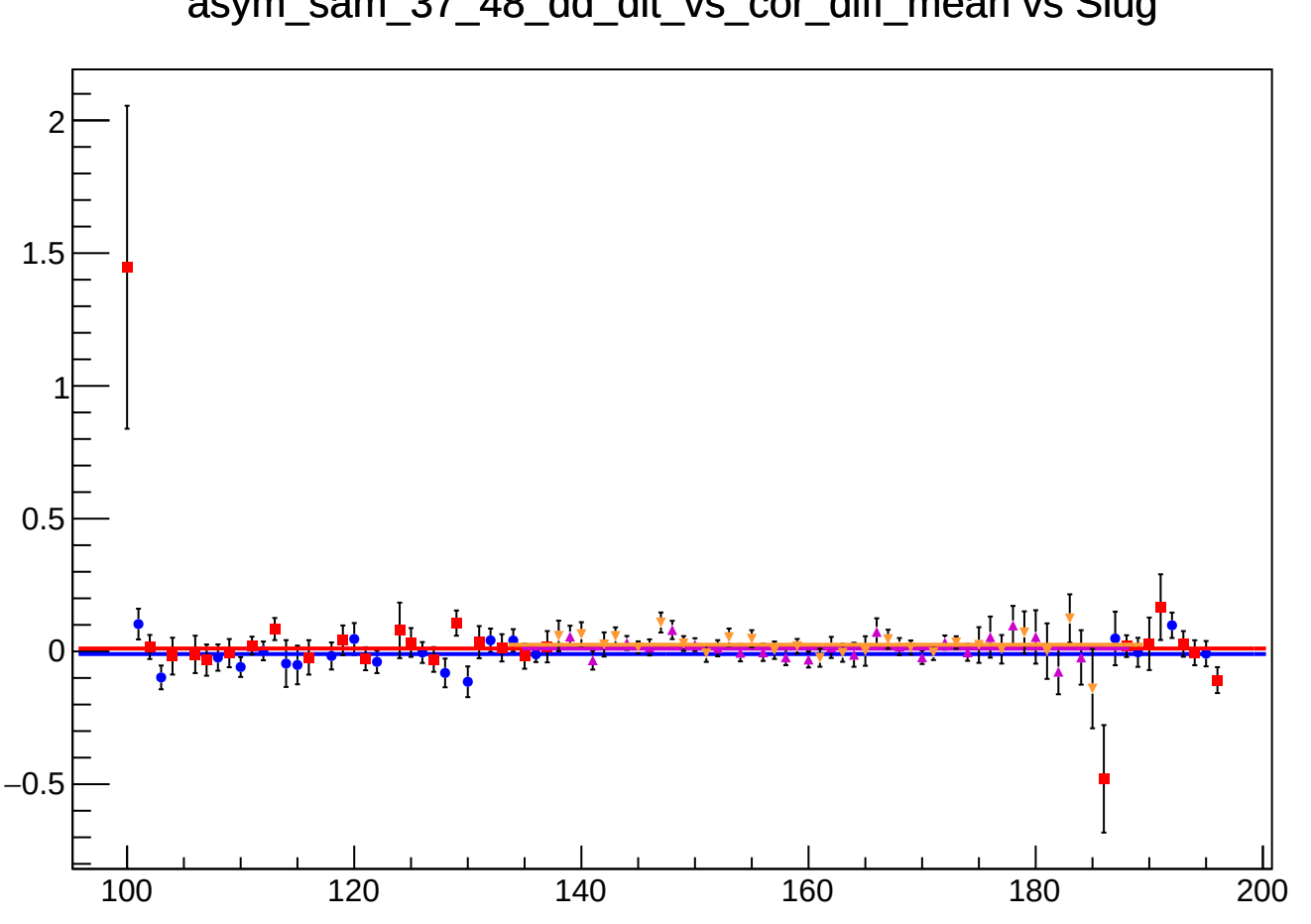
Right Out: 0.000+/-0.000 χ^2/NDF: 2959506.8/25

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3938030.0/44

All: 0.000+/-0.000 χ^2/NDF: 9274507.9/93

- sign 0.000+/-0.000 χ^2/NDF: 5289549.2/48



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

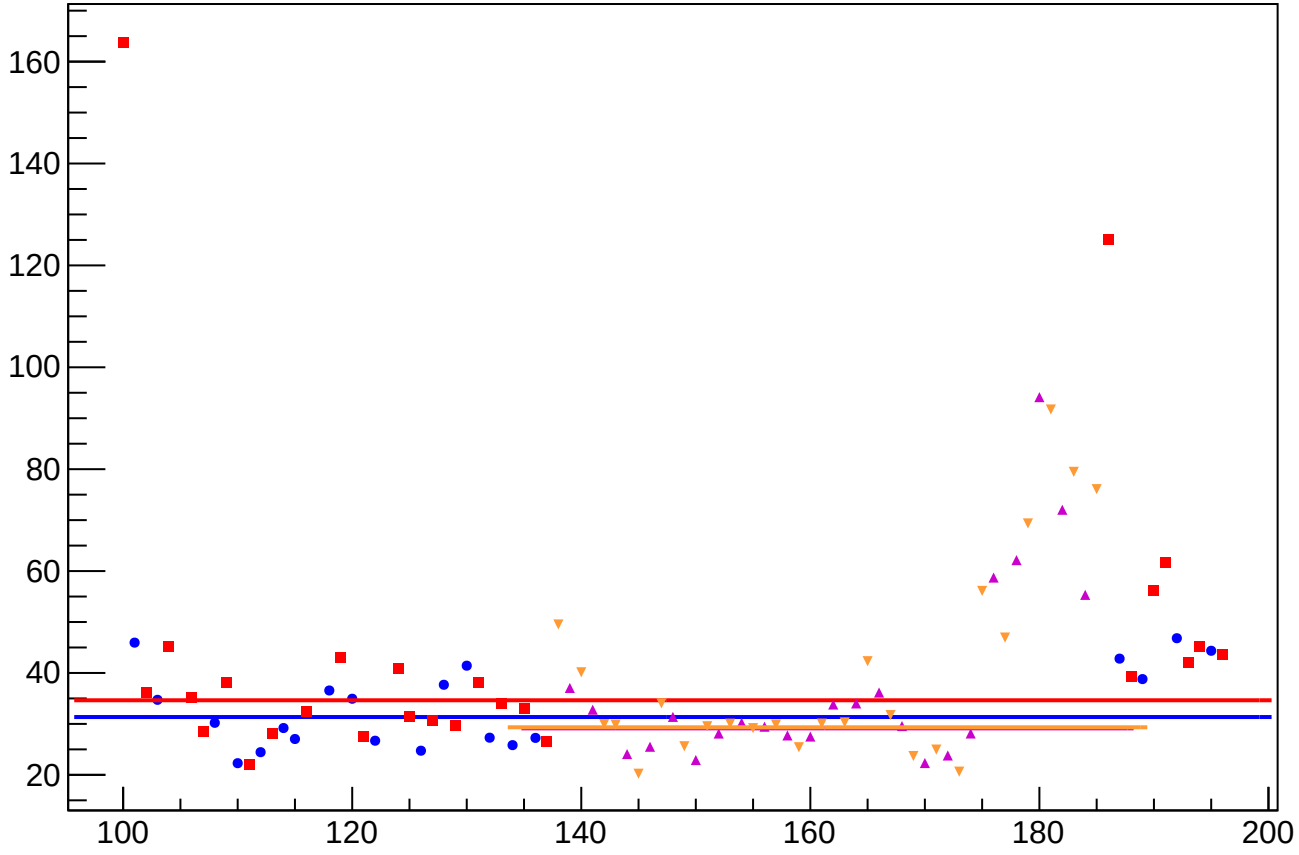
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.8/44

All: 0.013+/-0.004 χ^2/NDF: 99.8/93

- 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: 31.348+/-0.007 χ^2/NDF: 1047693.6/19

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

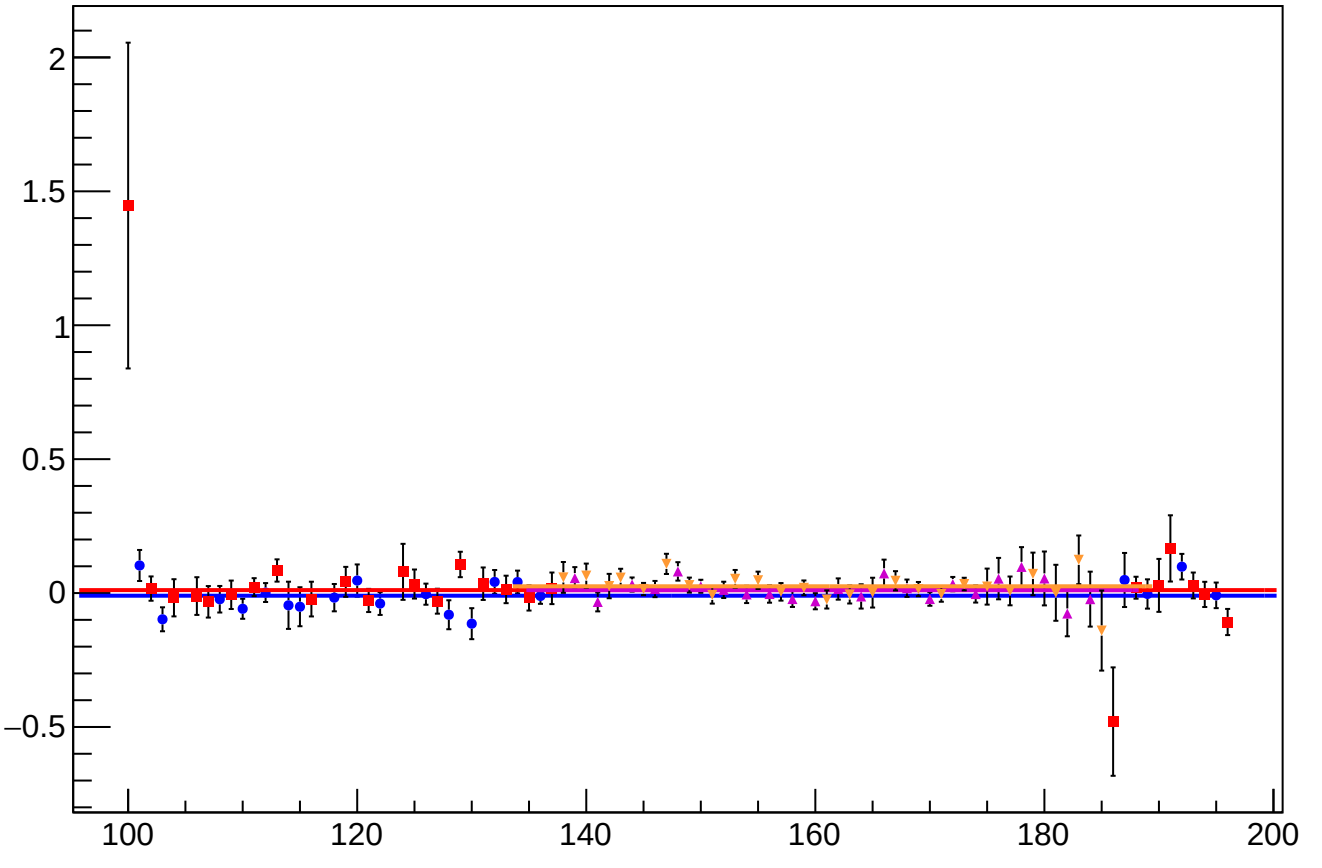
Right Out: 34.639+/-0.007 χ^2/NDF: 1527915.8/25

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972603.7/44

All: 30.432+/-0.003 χ^2/NDF: 9731373.2/93

- sign 30.900+/-0.004 χ^2/NDF: 4734810.2/48



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

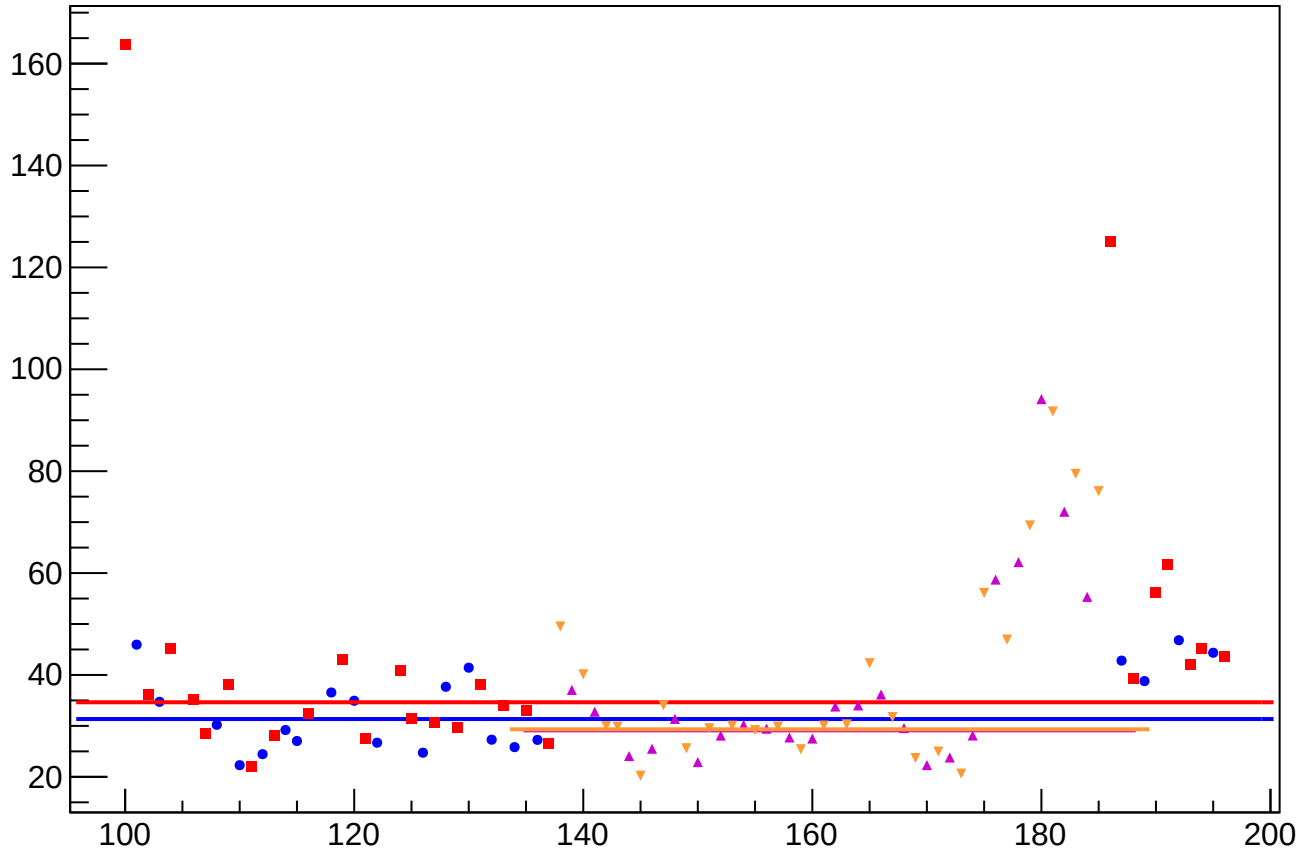
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.8/44

All: 0.013+/-0.004 χ^2/NDF: 99.8/93

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.348+/-0.007 χ^2/NDF: 1047693.6/19

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

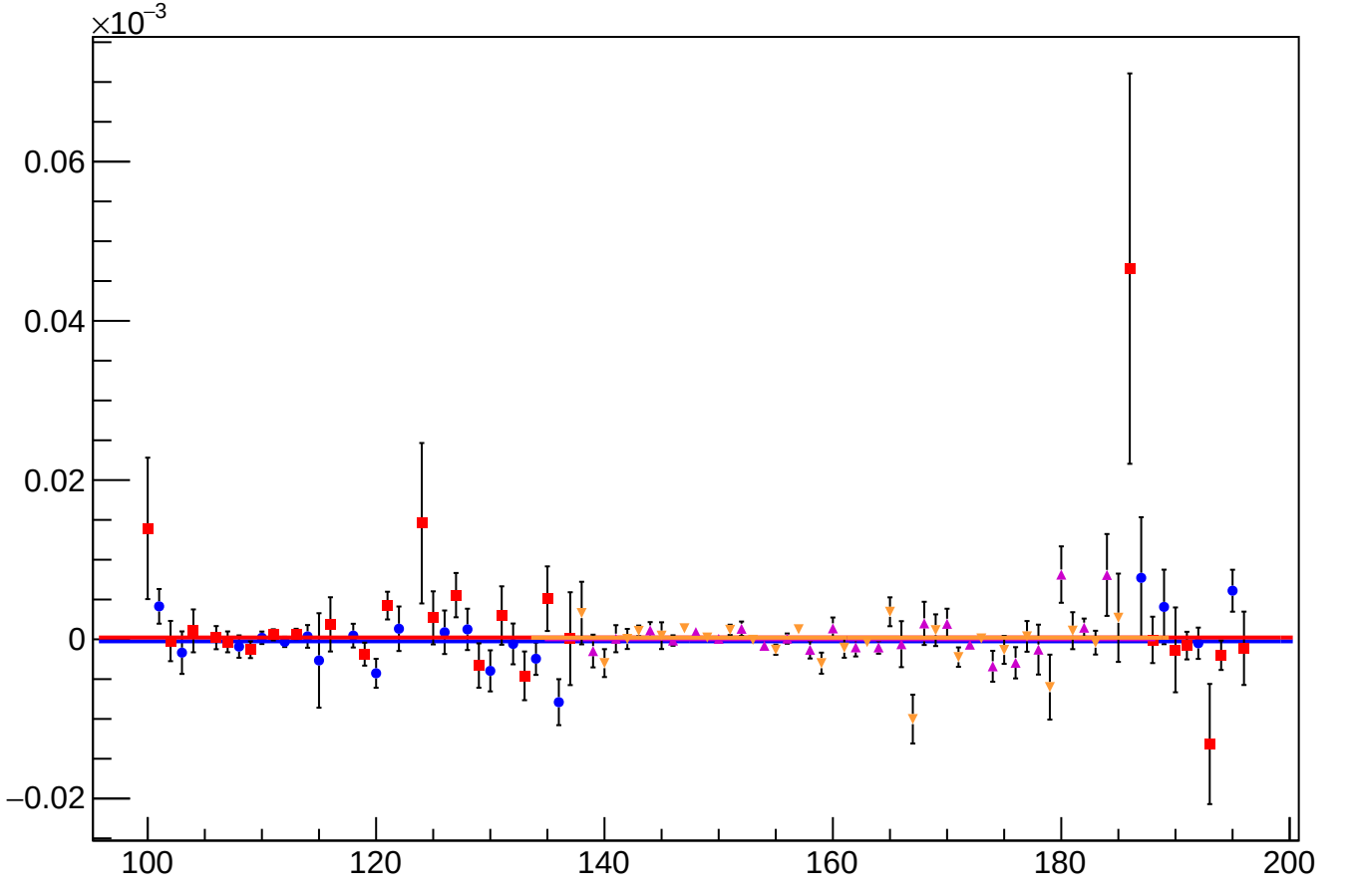
Right Out: 34.639+/-0.007 χ^2/NDF: 1527915.8/25

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972603.7/44

All: 30.432+/-0.003 χ^2/NDF: 9731373.2/93

- sign 30.900+/-0.004 χ^2/NDF: 4734810.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/25

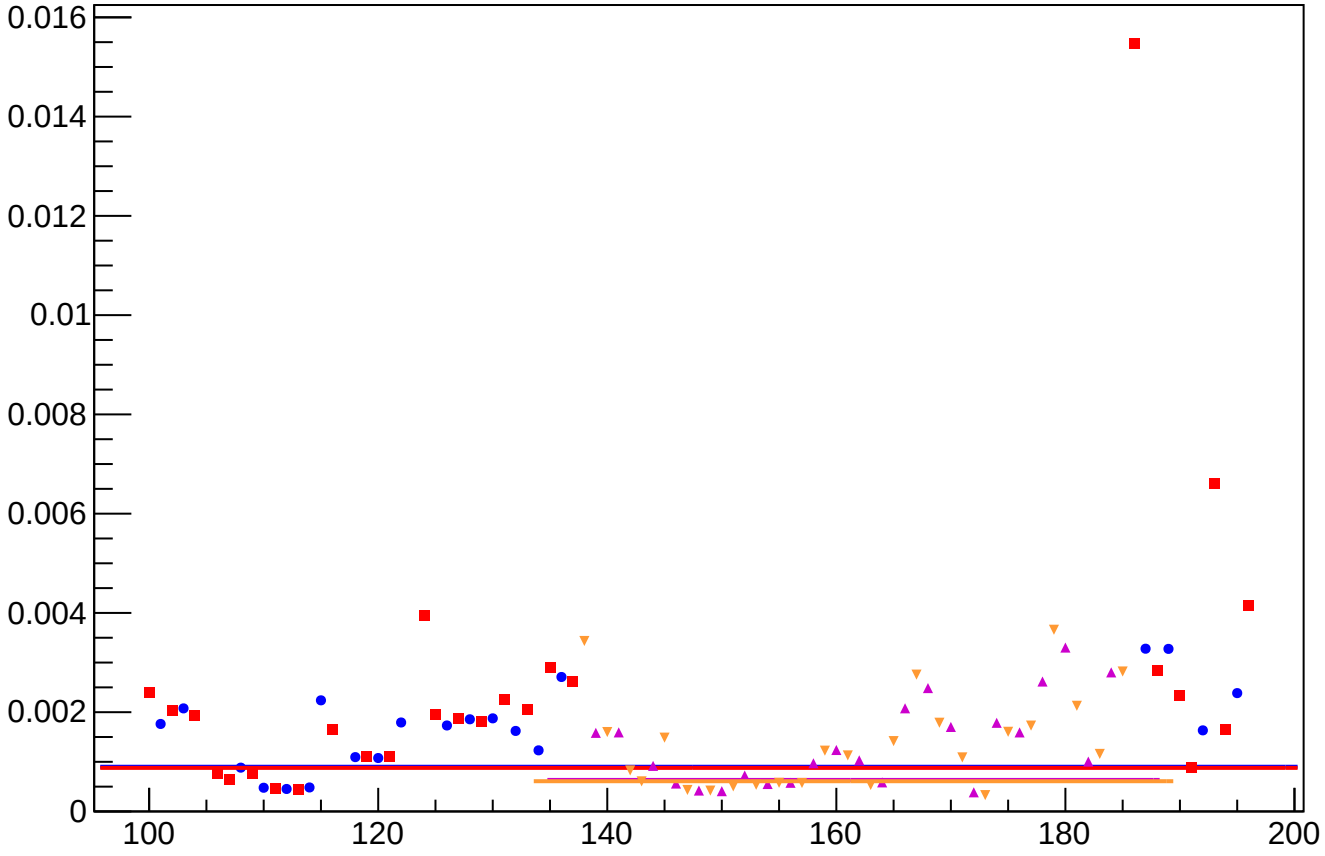
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.1/44

All: 0.000+/-0.000 χ^2/NDF: 150.7/93

- sign 0.000+/-0.000 χ^2/NDF: 67.5/48

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6156644.7/19

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

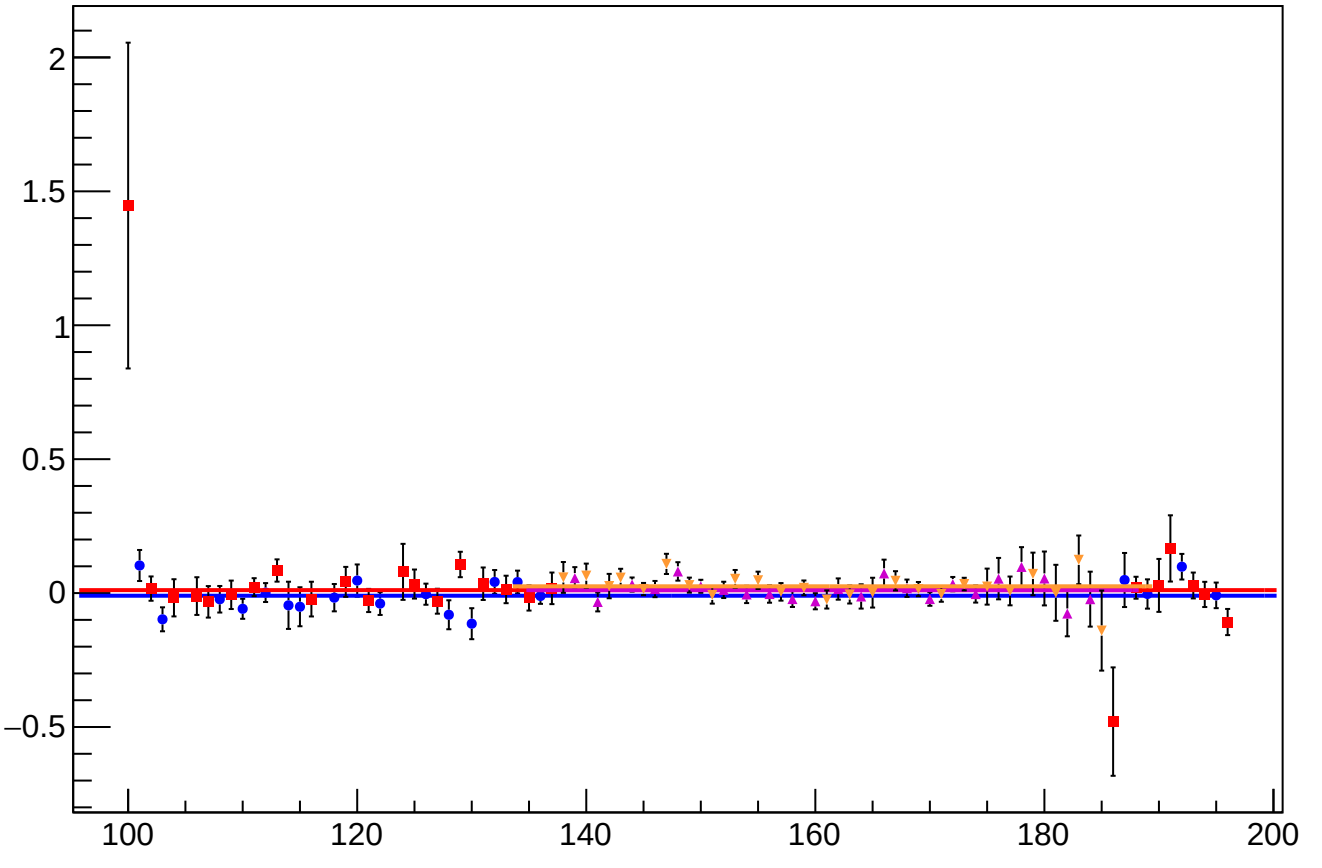
Right Out: 0.001+/-0.000 χ^2/NDF: 9073417.1/25

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 18199365.8/44

All: 0.001+/-0.000 χ^2/NDF: 37509196.8/93

- sign 0.001+/-0.000 χ^2/NDF: 19274761.9/48



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

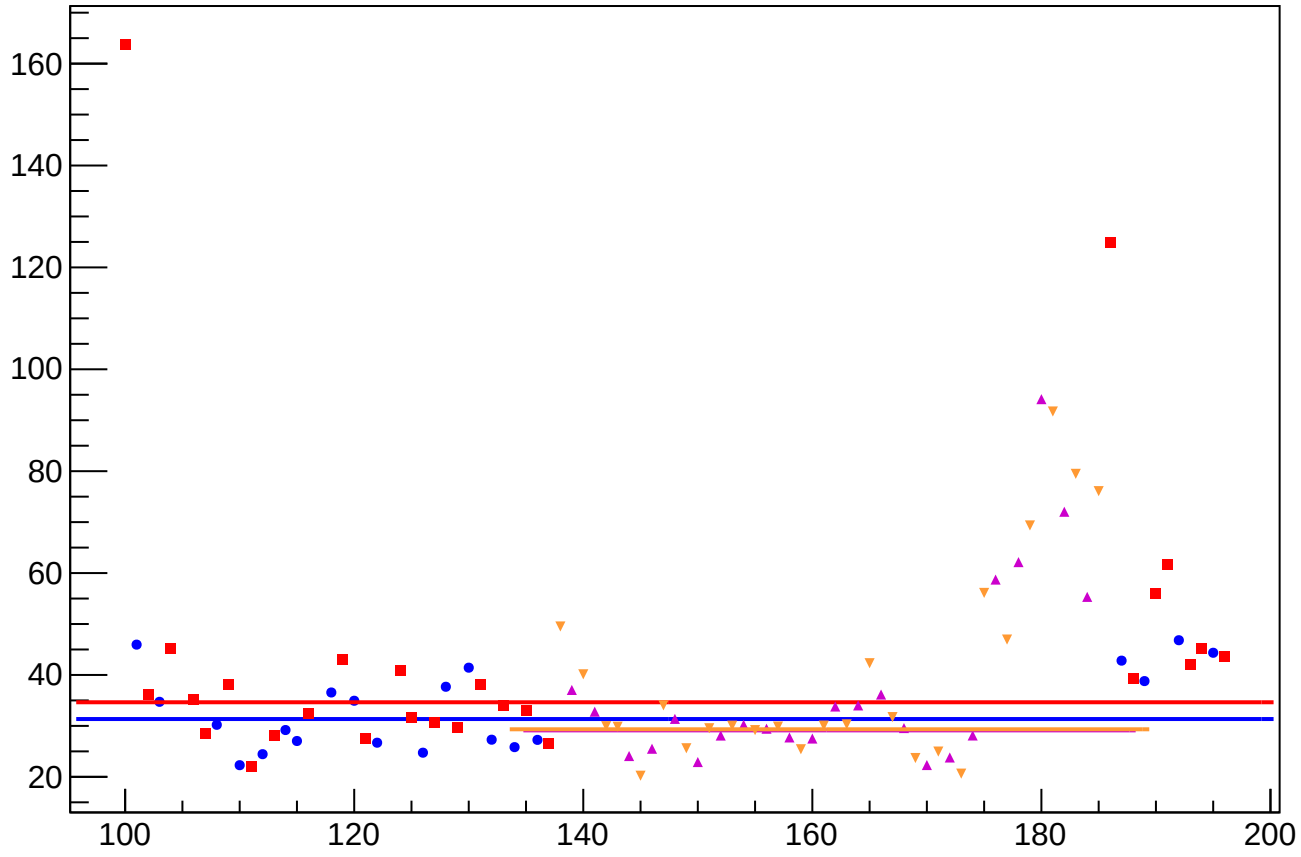
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.8/44

All: 0.013+/-0.004 χ^2/NDF: 99.8/93

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

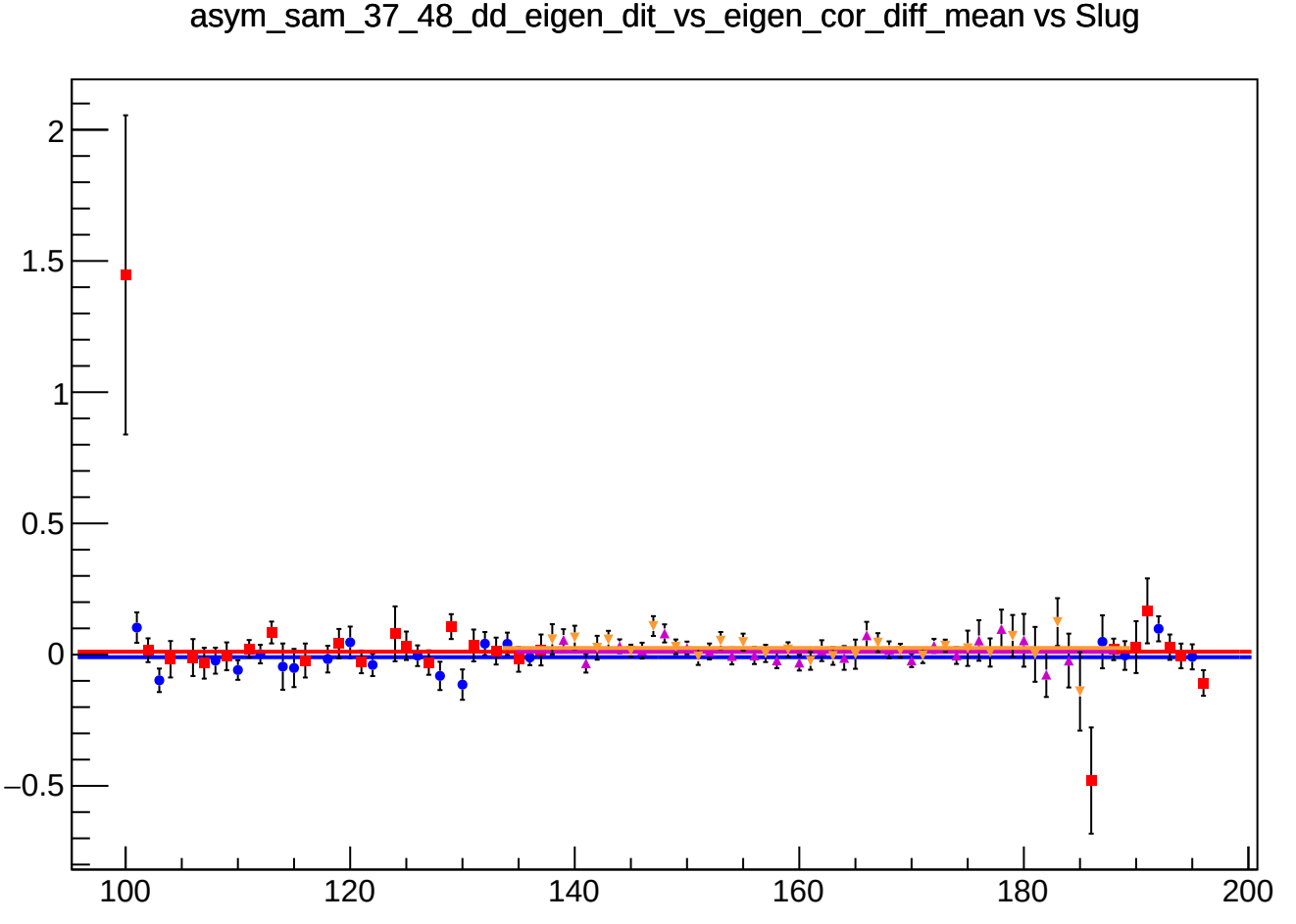
Right Out: 34.639+/-0.007 χ^2/NDF: 1527820.6/25

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972643.1/44

All: 30.431+/-0.003 χ^2/NDF: 9731321.0/93

- sign 30.900+/-0.004 χ^2/NDF: 4734717.0/48



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

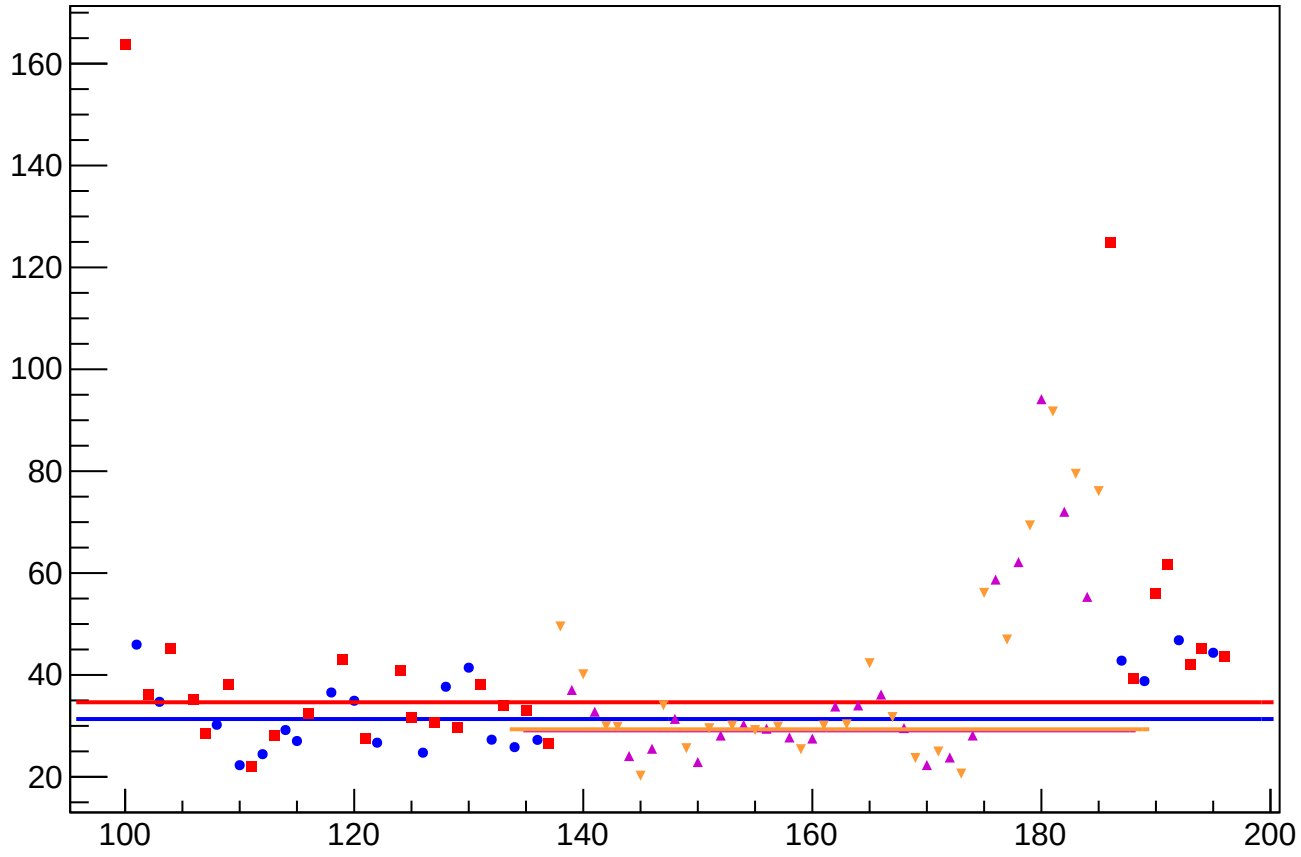
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.8/44

All: 0.013+/-0.004 χ^2/NDF: 99.8/93

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

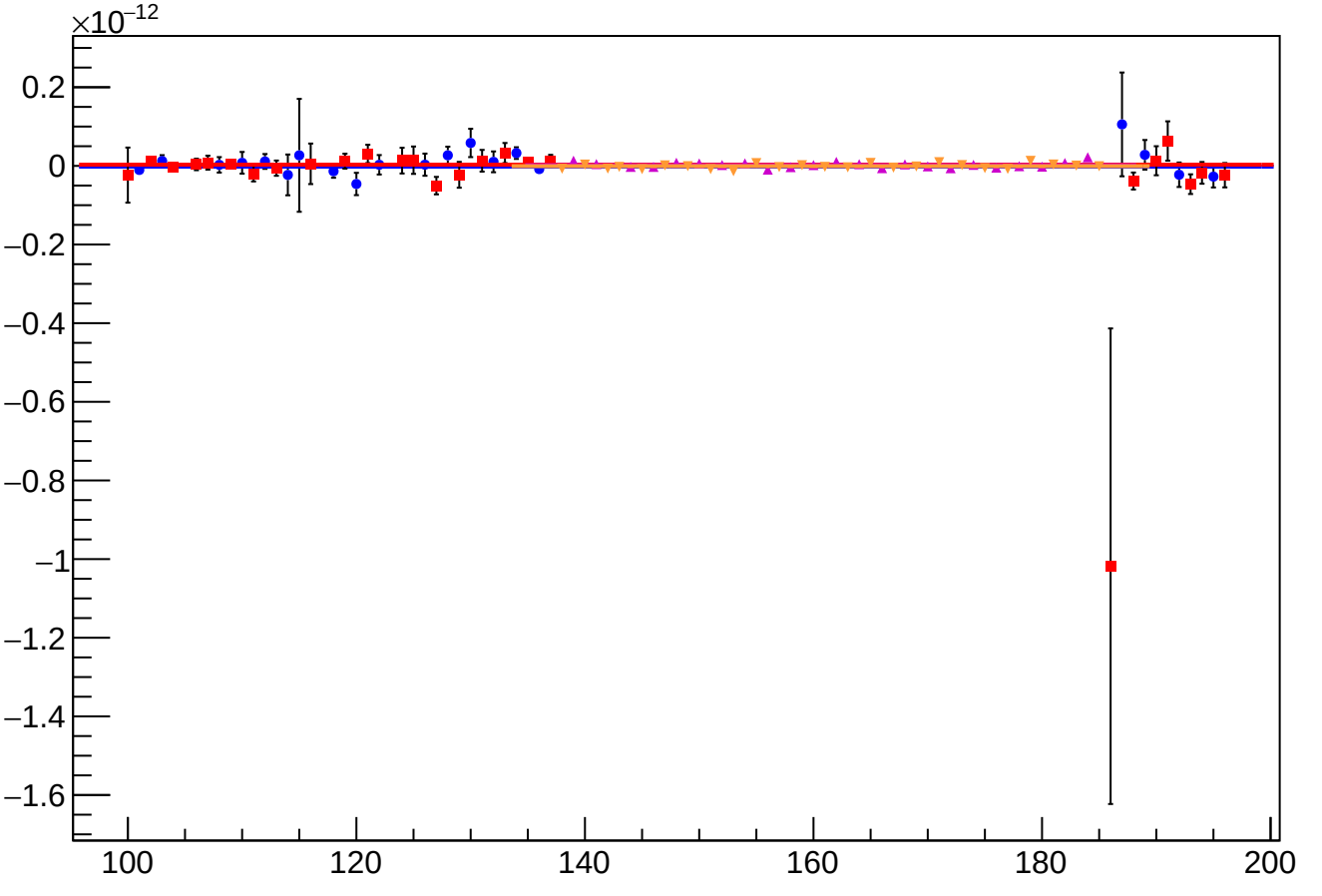
Right Out: 34.639+/-0.007 χ^2/NDF: 1527820.6/25

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972643.1/44

All: 30.431+/-0.003 χ^2/NDF: 9731321.0/93

- sign 30.900+/-0.004 χ^2/NDF: 4734717.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

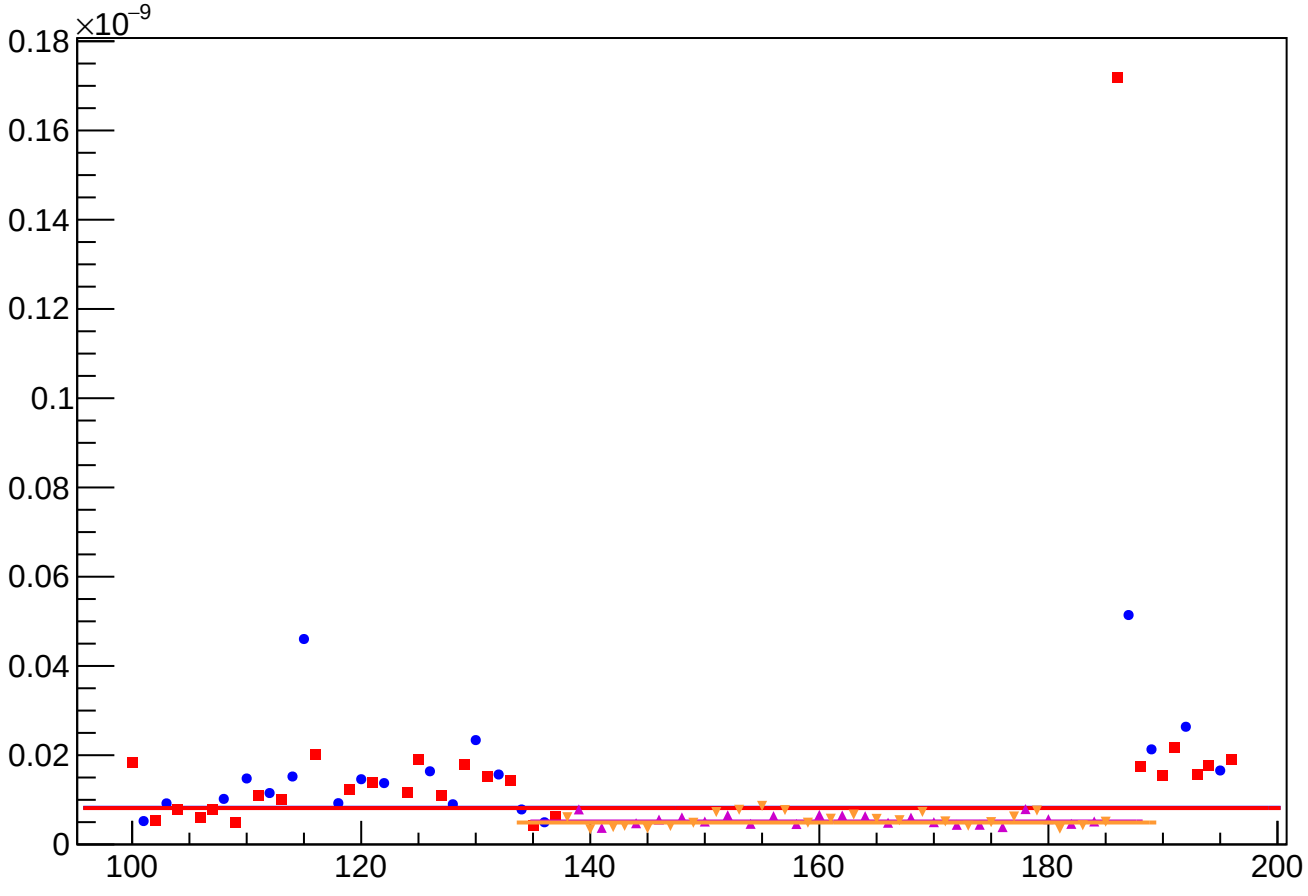
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/25

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.7/44

All: 0.000+/-0.000 χ^2/NDF: 80.4/93

- sign 0.000+/-0.000 χ^2/NDF: 43.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3389239.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3523230.8/25

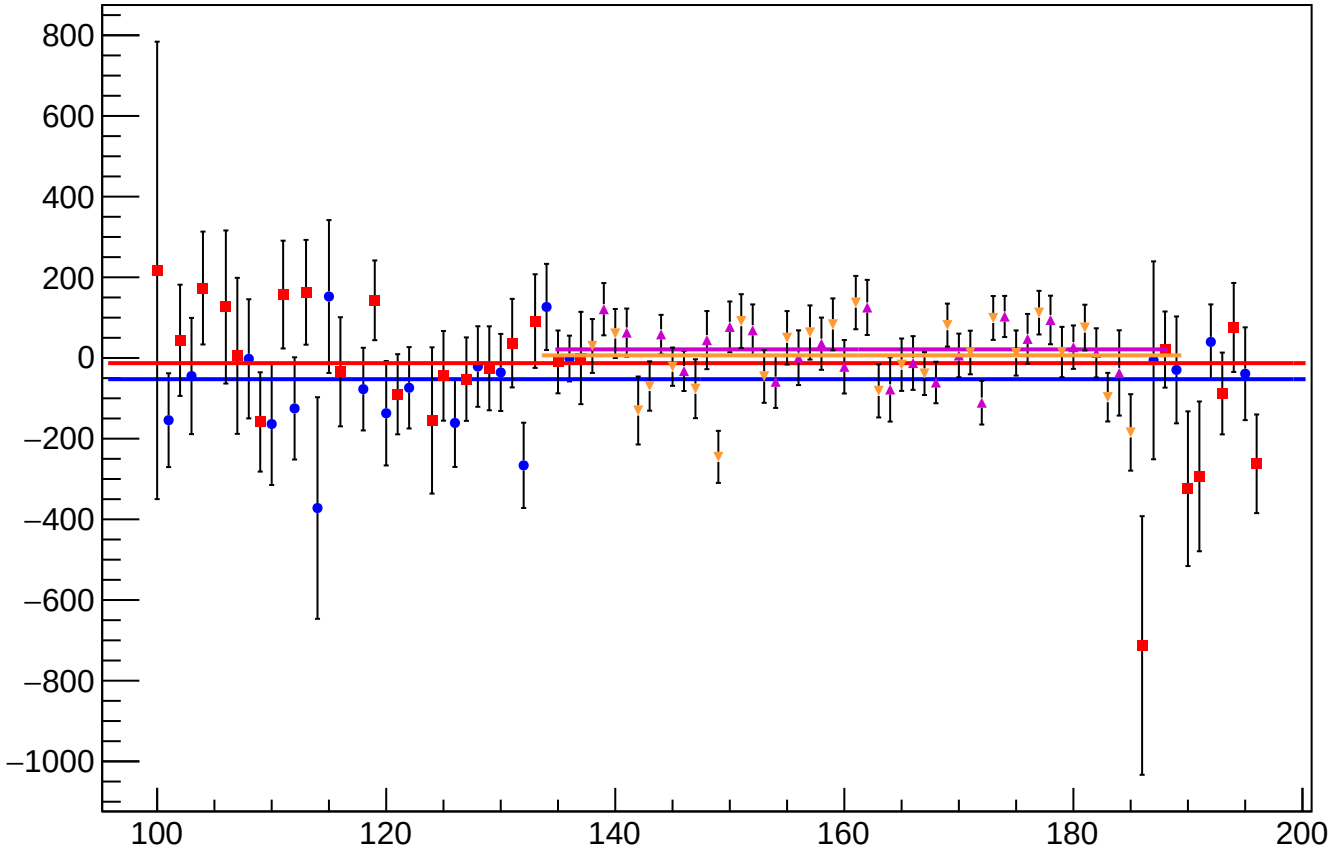
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6629849.7/44

All: 0.000+/-0.000 χ^2/NDF: 12434826.0/93

- sign 0.000+/-0.000 χ^2/NDF: 5761797.9/48

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -52.579+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -12.773+/-24.103 χ^2/NDF: 27.7/25

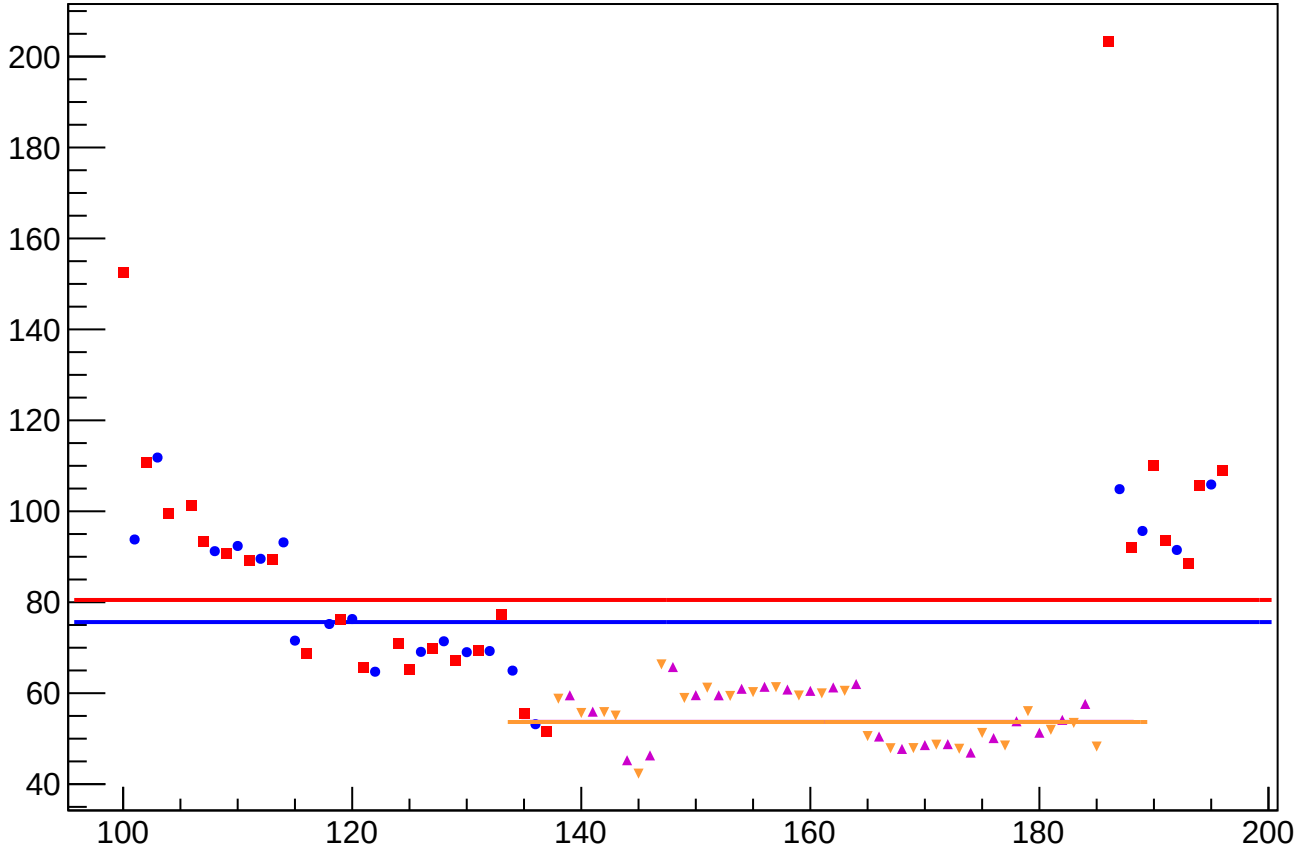
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.064+/-11.017 χ^2/NDF: 69.8/44

All: 4.296+/-7.854 χ^2/NDF: 125.9/93

- sign 13.970+/-11.201 χ^2/NDF: 54.6/48

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.639+/-0.018 χ^2/NDF: 910409.1/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.500+/-0.017 χ^2/NDF: 1355109.0/25

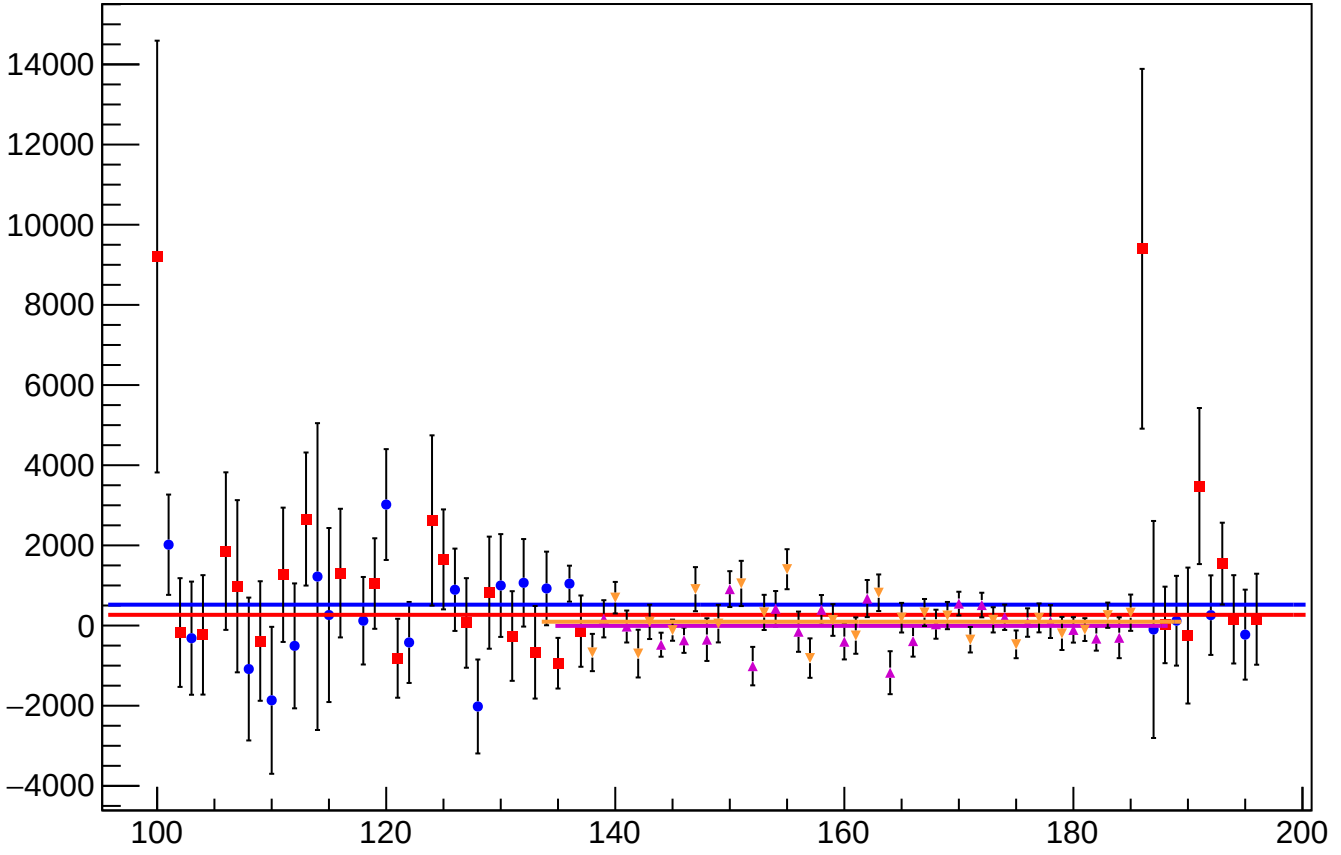
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636553.7/44

All: 58.716+/-0.006 χ^2/NDF: 6420986.9/93

- sign 59.483+/-0.008 χ^2/NDF: 3765963.7/48

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 520.681+/-244.037 χ^2/NDF: 16.5/19

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 267.474+/-244.790 χ^2/NDF: 24.5/25

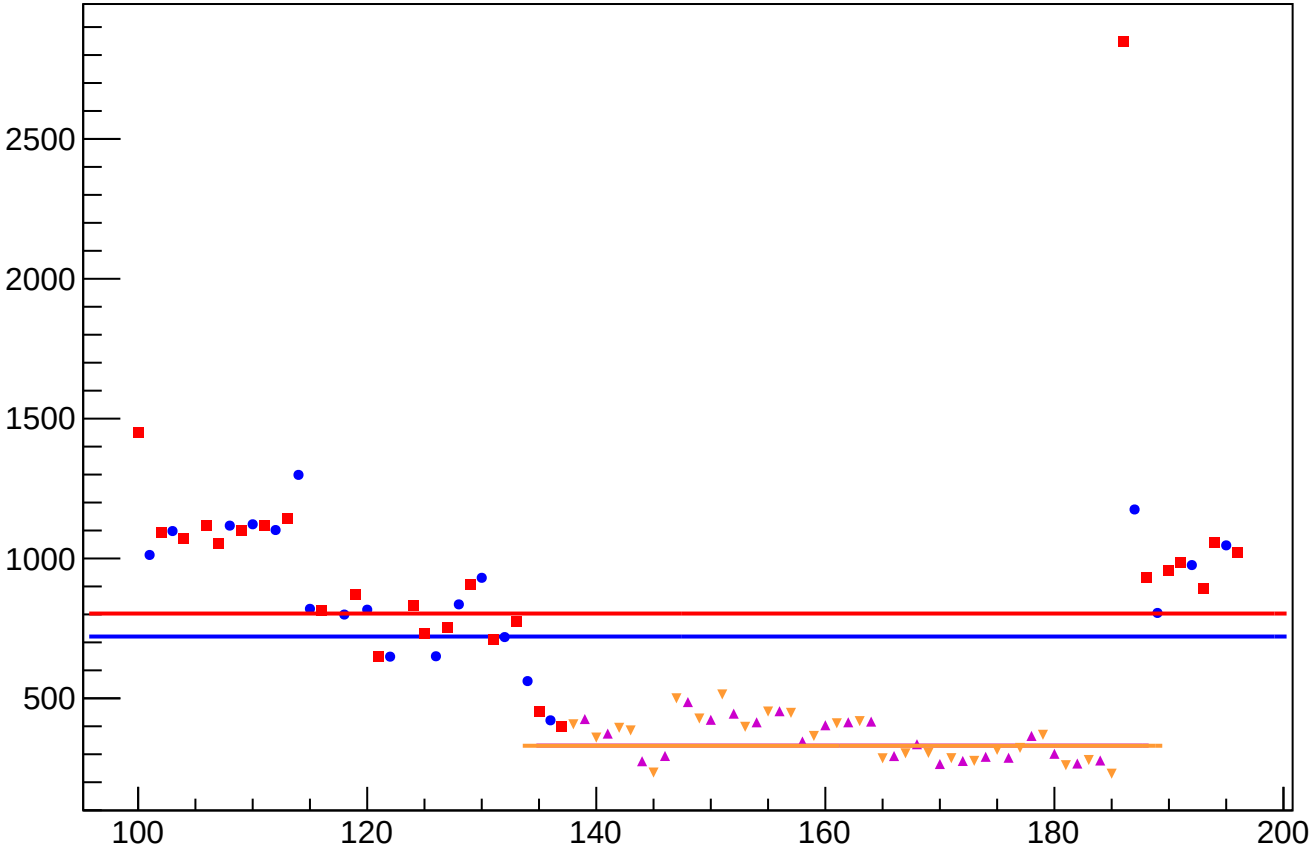
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 134.079+/-73.548 χ^2/NDF: 52.4/44

All: 77.480+/-52.611 χ^2/NDF: 111.6/93

- sign 18.169+/-75.290 χ^2/NDF: 57.9/48

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 720.918+/-0.173 χ^2/NDF: 2046221.5/19

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 803.103+/-0.173 χ^2/NDF: 2304266.2/25

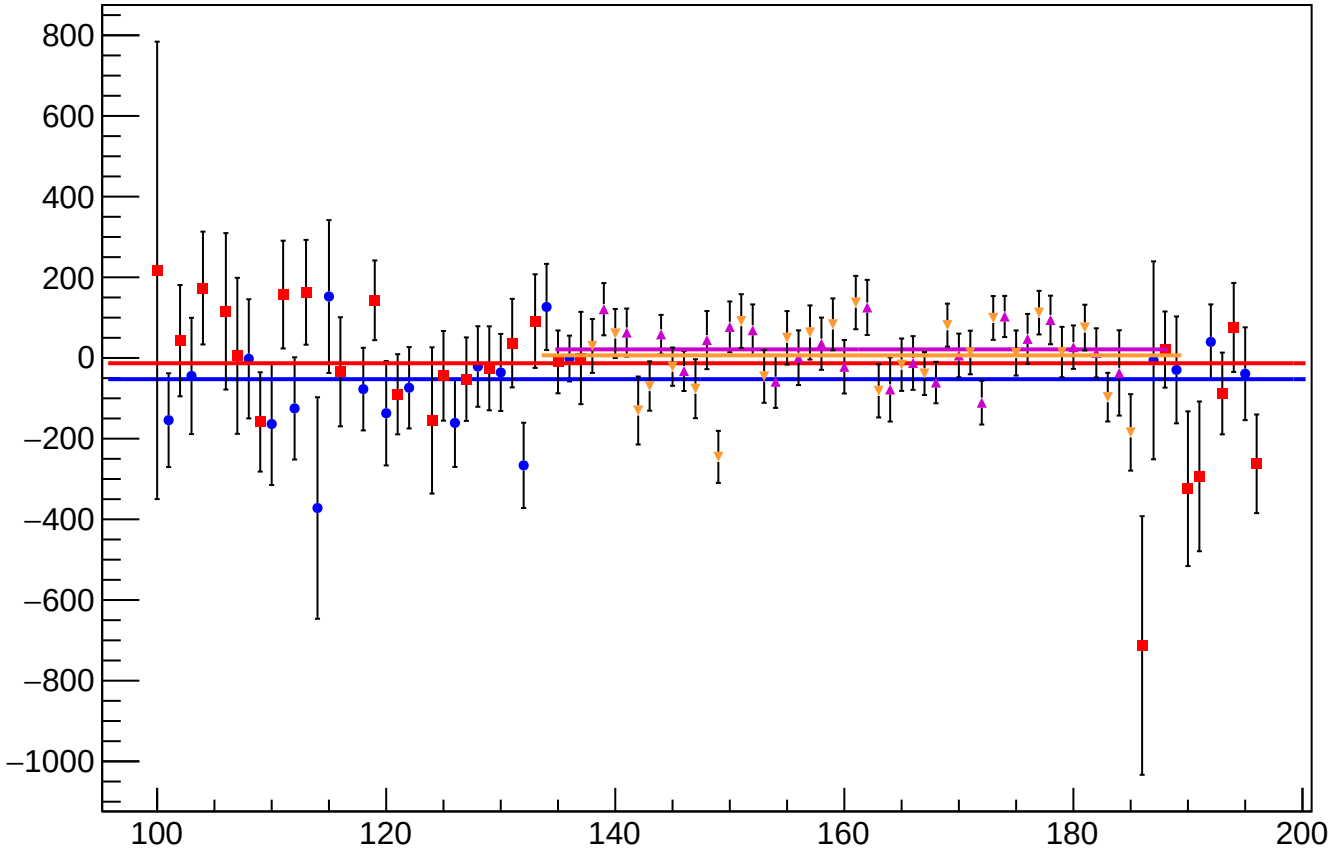
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454913.8/44

All: 370.679+/-0.037 χ^2/NDF: 18835881.6/93

- sign 375.713+/-0.053 χ^2/NDF: 10363494.0/48

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -52.571+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -13.064+/-24.112 χ^2/NDF: 27.6/25

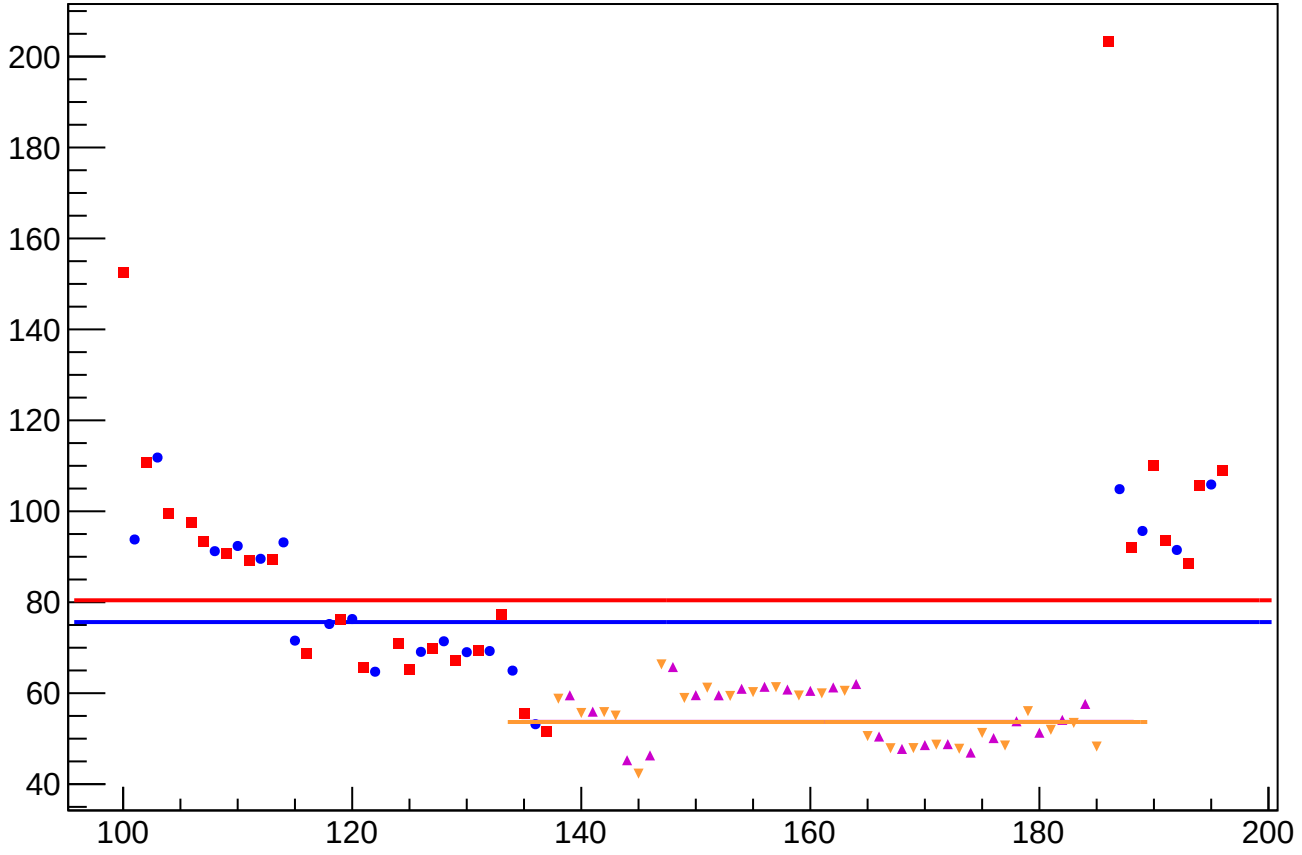
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

\+ sign -5.060+/-11.017 χ^2/NDF: 69.8/44

All: 4.268+/-7.855 χ^2/NDF: 125.8/93

\- sign 13.911+/-11.201 χ^2/NDF: 54.5/48

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.639+/-0.018 χ^2/NDF: 910411.5/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

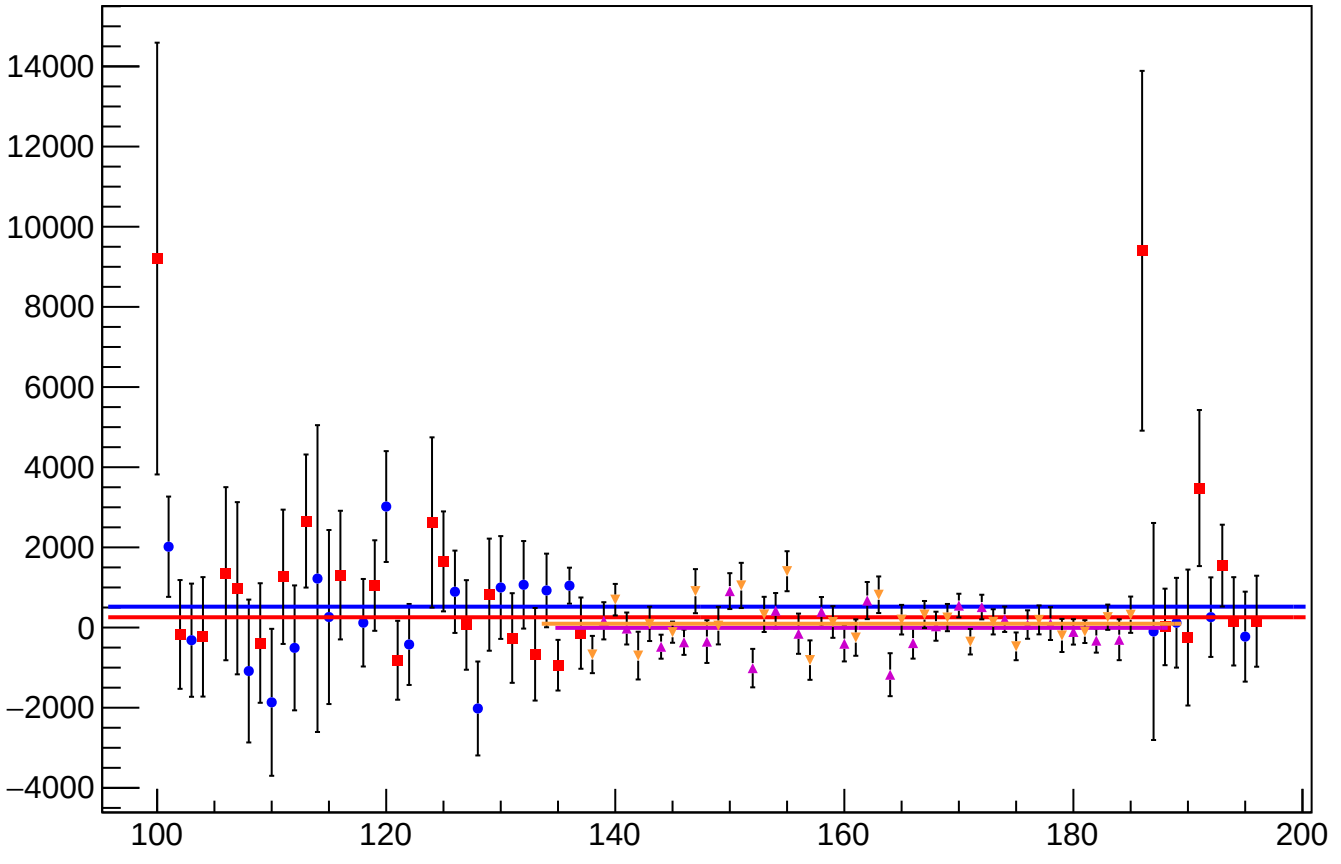
Right Out: 80.430+/-0.017 χ^2/NDF: 1346945.3/25

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636556.3/44

All: 58.707+/-0.006 χ^2/NDF: 6401107.5/93

- sign 59.465+/-0.008 χ^2/NDF: 3746532.1/48



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 256.722+/-245.121 χ^2/NDF: 24.0/25

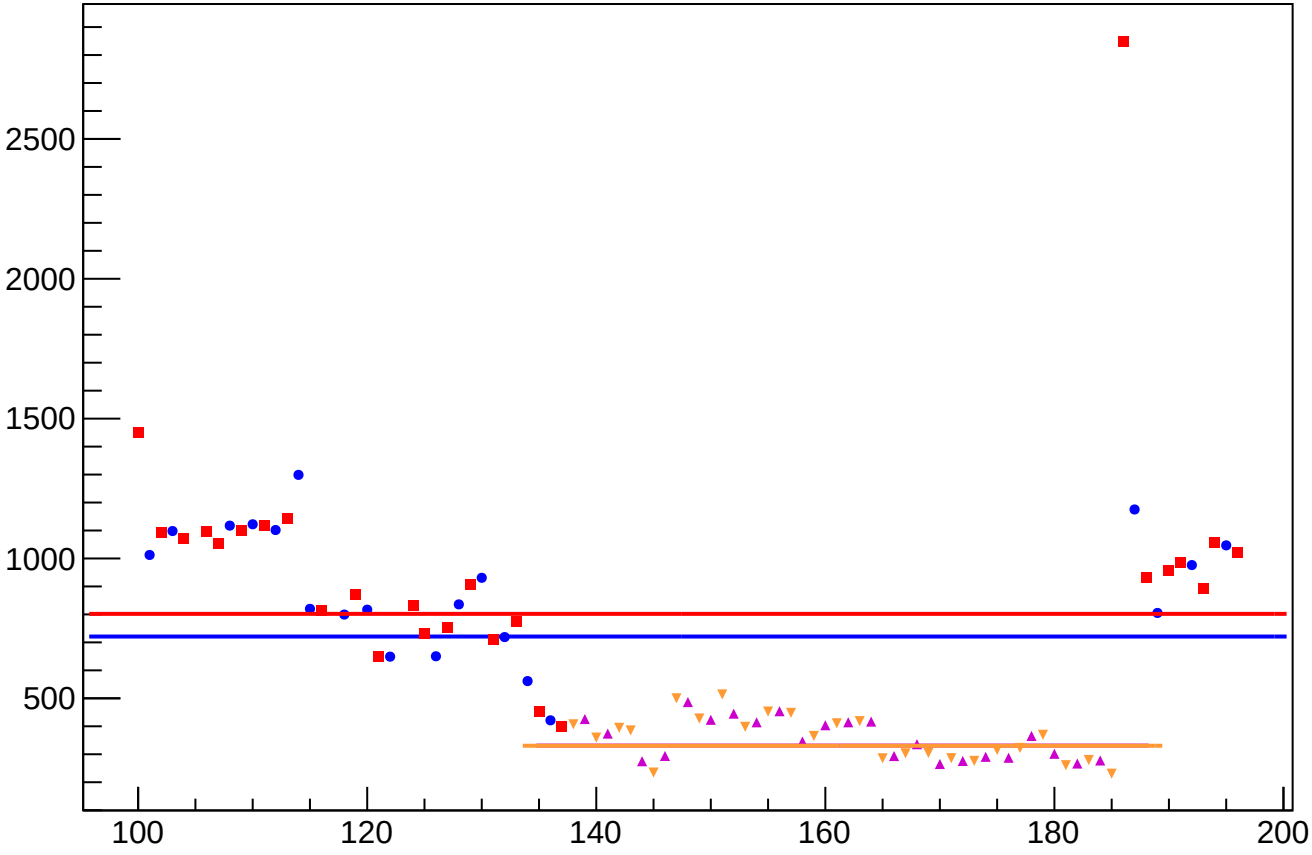
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 134.080+/-73.548 χ^2/NDF: 52.4/44

All: 76.964+/-52.615 χ^2/NDF: 111.1/93

\- sign 17.094+/-75.299 χ^2/NDF: 57.4/48

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 720.919+/-0.173 χ^2/NDF: 2046246.1/19

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 801.981+/-0.173 χ^2/NDF: 2289803.7/25

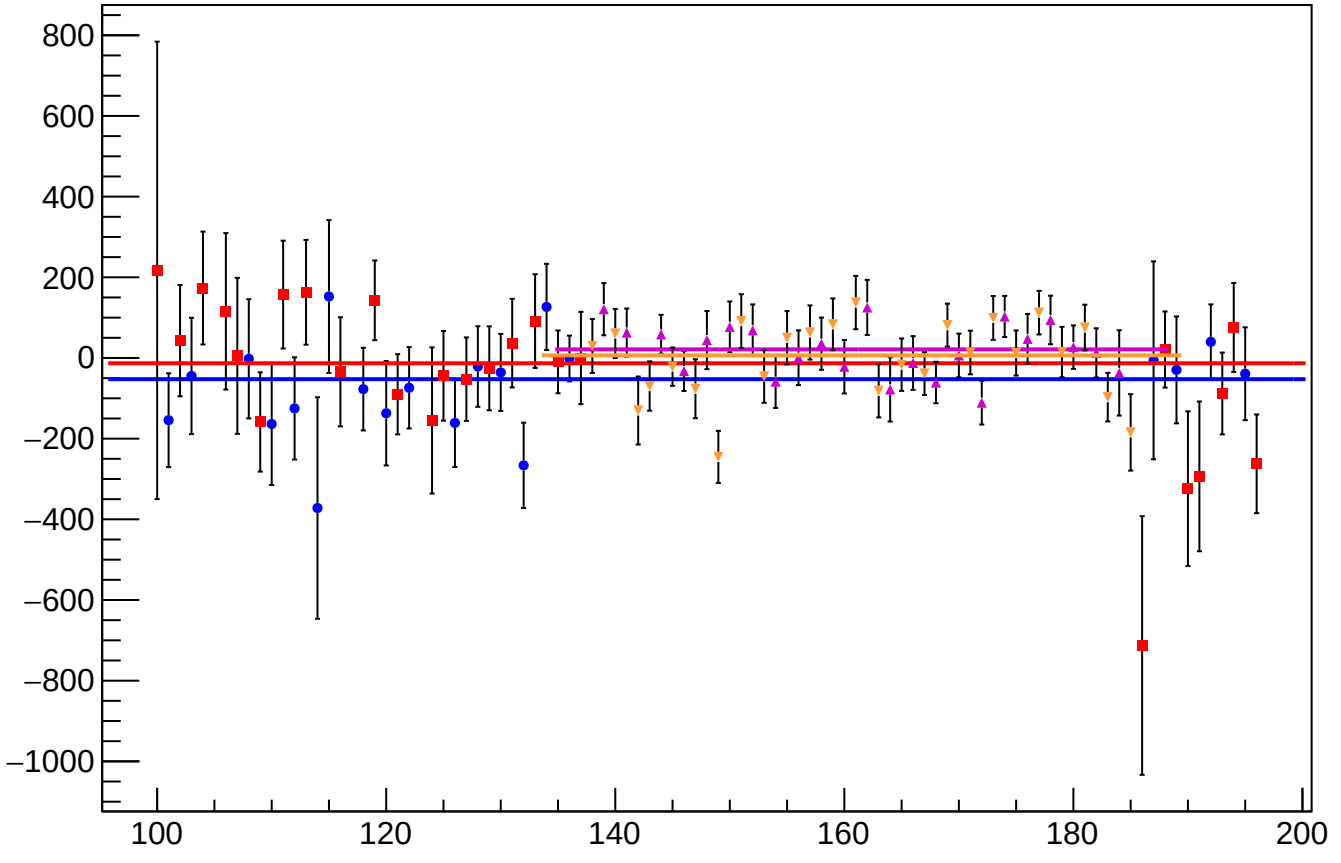
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454933.7/44

All: 370.573+/-0.037 χ^2/NDF: 18772318.7/93

- sign 375.498+/-0.053 χ^2/NDF: 10300669.3/48

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -52.571+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -13.064+/-24.112 χ^2/NDF: 27.6/25

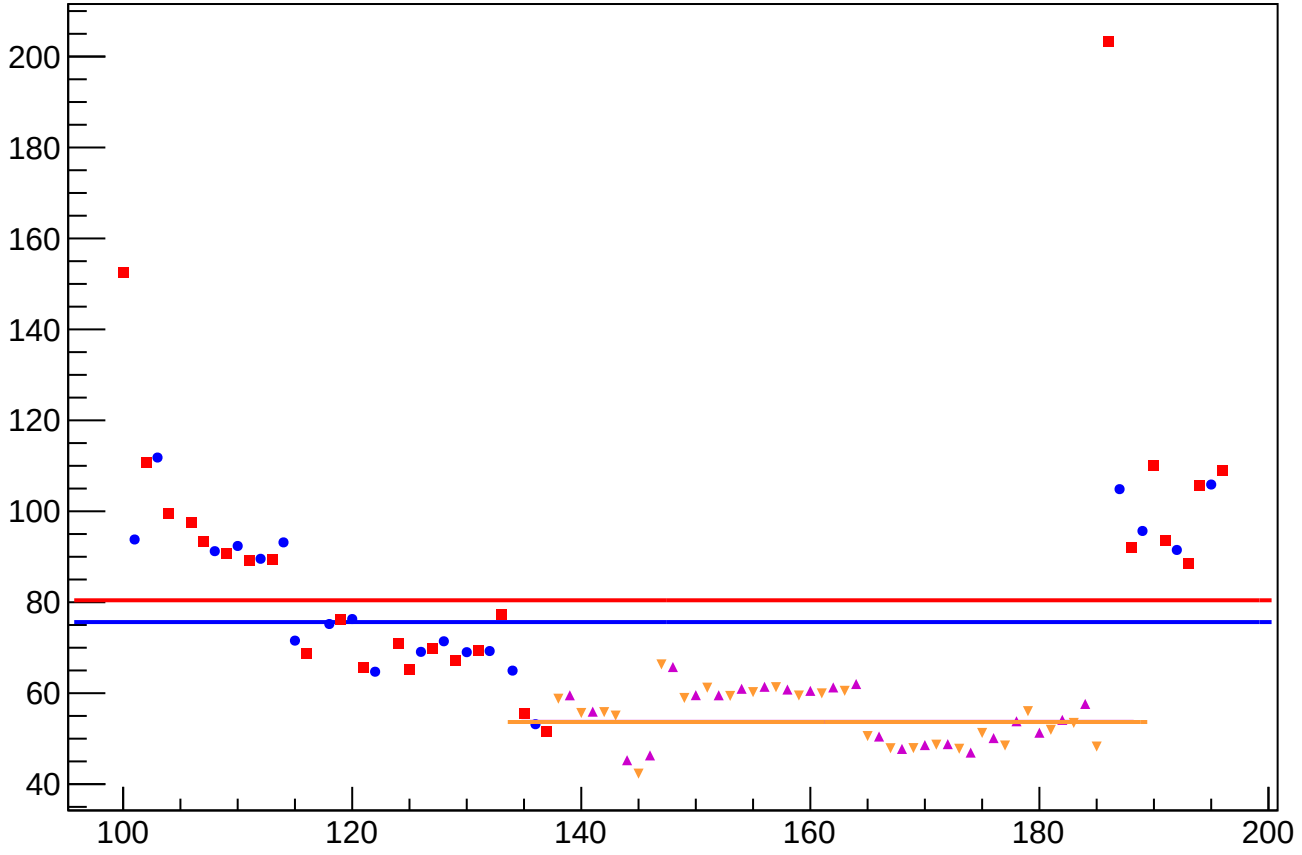
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

\+ sign -5.060+/-11.017 χ^2/NDF: 69.8/44

All: 4.268+/-7.855 χ^2/NDF: 125.8/93

\- sign 13.911+/-11.201 χ^2/NDF: 54.5/48

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.639+/-0.018 χ^2/NDF: 910411.5/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

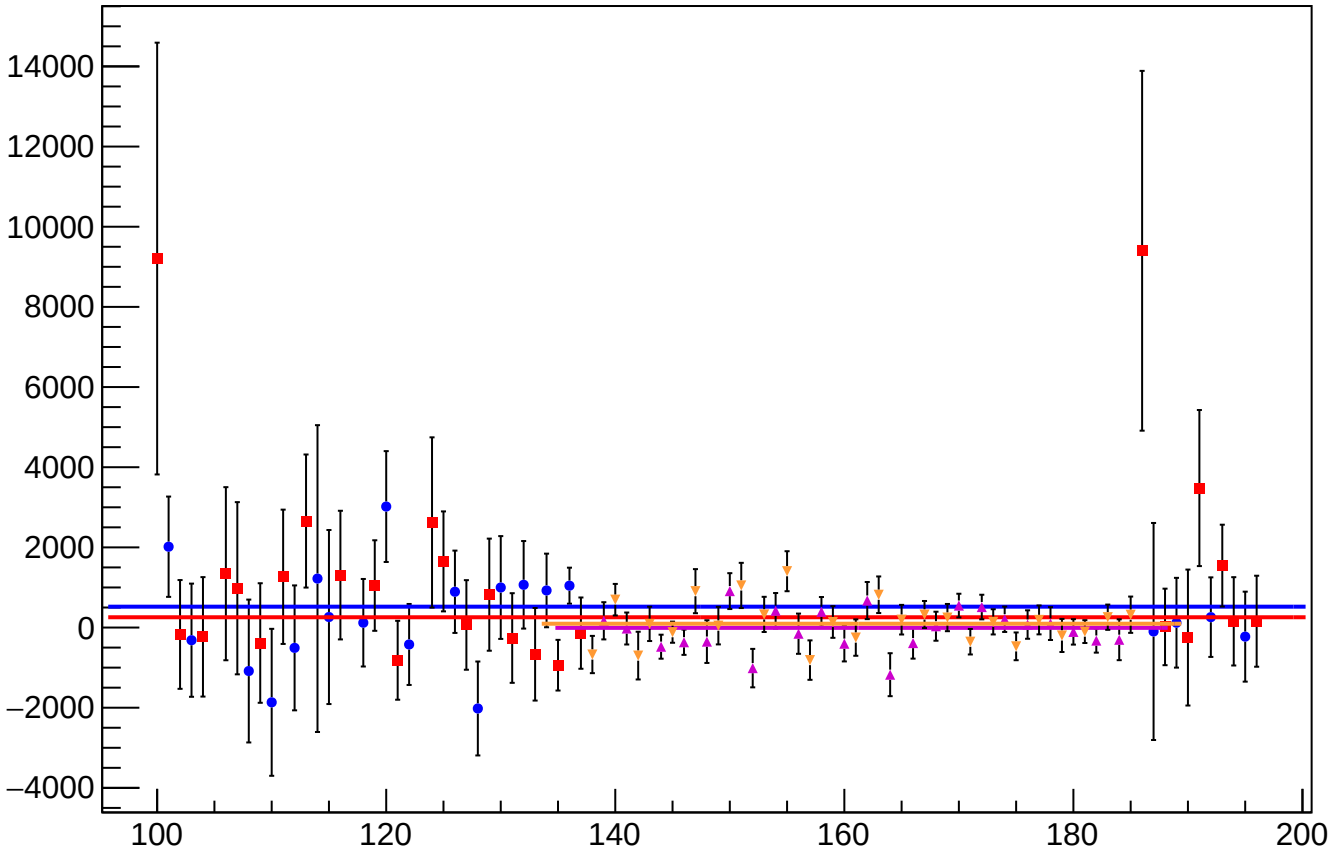
Right Out: 80.430+/-0.017 χ^2/NDF: 1346945.3/25

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636556.3/44

All: 58.707+/-0.006 χ^2/NDF: 6401107.5/93

- sign 59.465+/-0.008 χ^2/NDF: 3746532.1/48



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

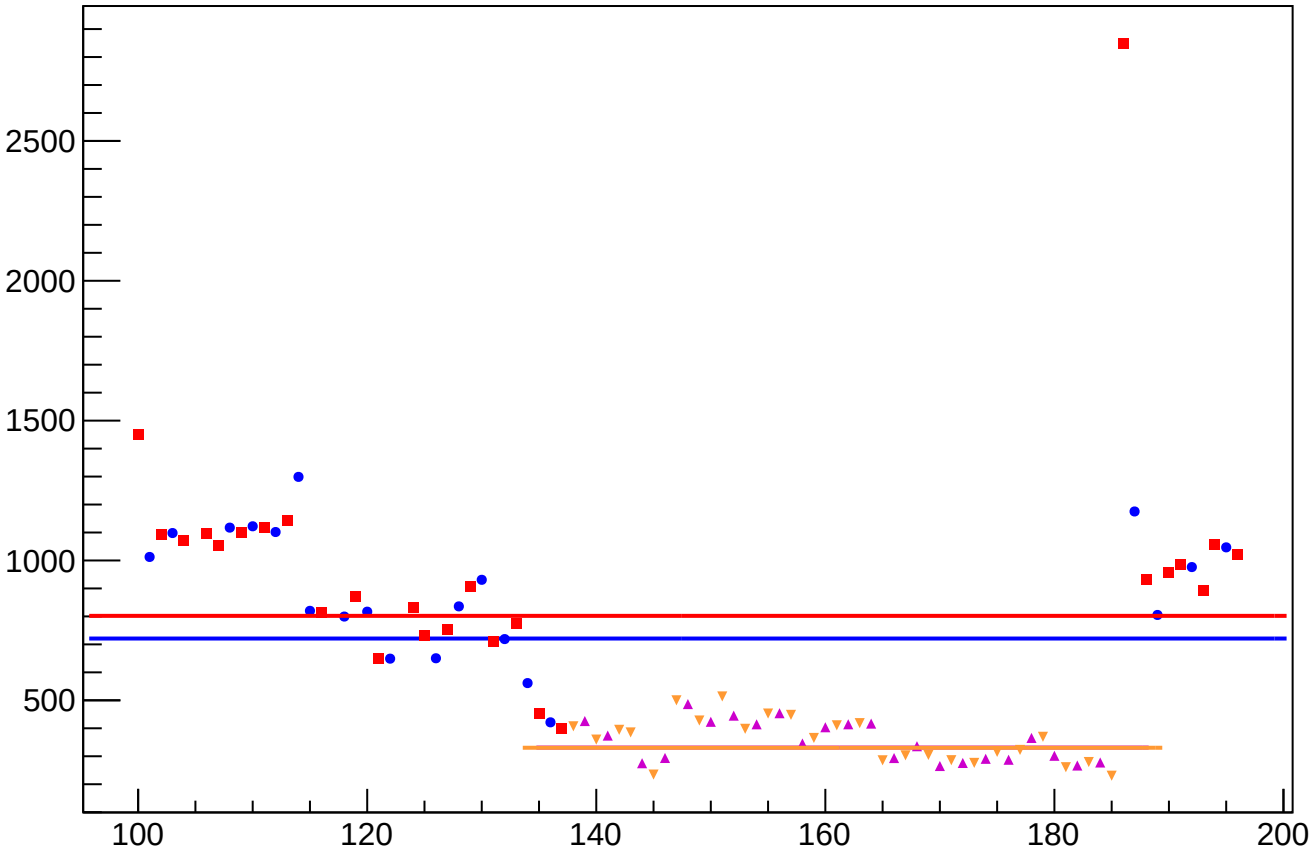
Right Out: 256.722+/-245.121 χ^2/NDF: 24.0/25

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.080+/-73.548 χ^2/NDF: 52.4/44

All: 76.964+/-52.615 χ^2/NDF: 111.1/93

- sign 17.094+/-75.299 χ^2/NDF: 57.4/48



Right In: 720.919+/-0.173 χ^2/NDF: 2046246.1/19

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 801.981+/-0.173 χ^2/NDF: 2289803.7/25

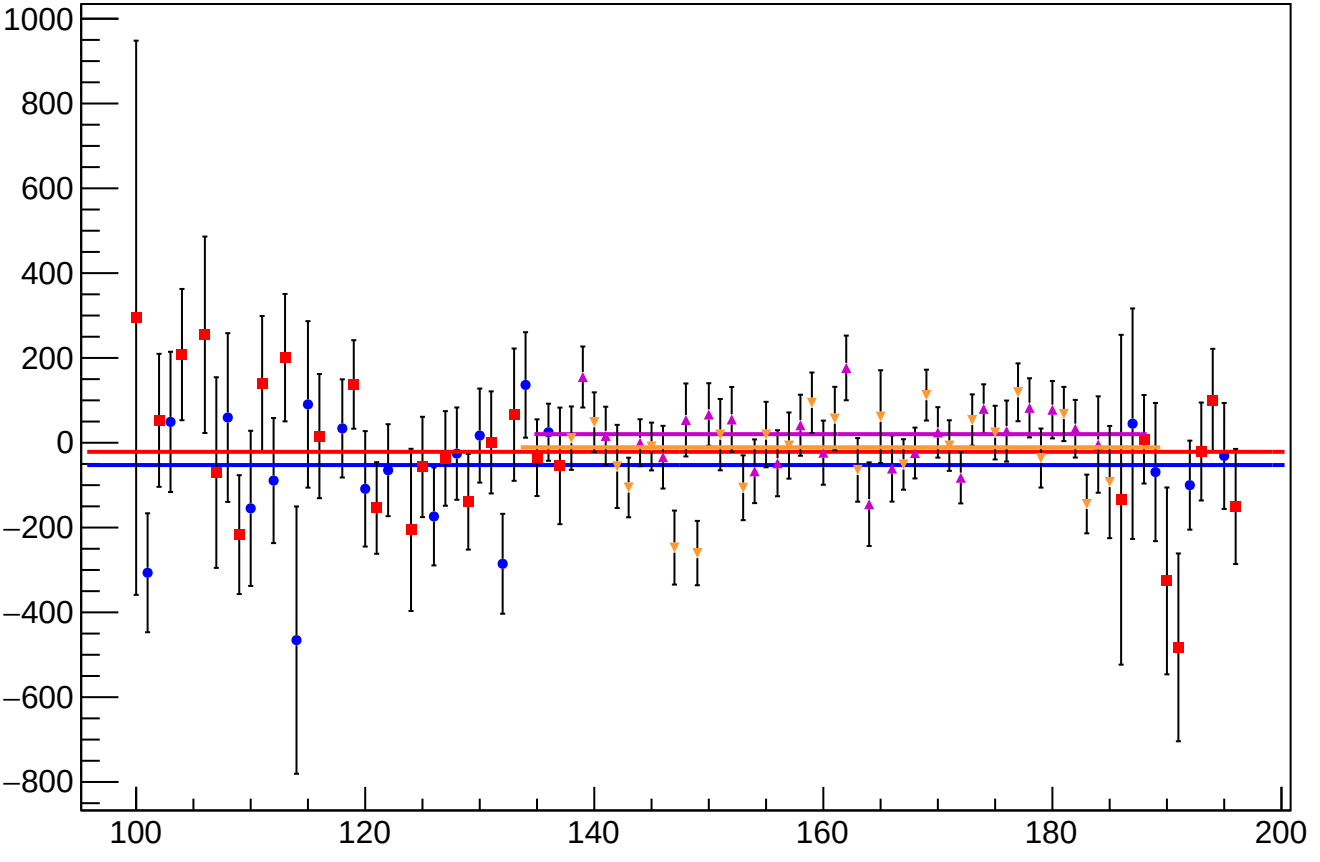
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454933.7/44

All: 370.573+/-0.037 χ^2/NDF: 18772318.7/93

- sign 375.498+/-0.053 χ^2/NDF: 10300669.3/48

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -52.610+/-28.371 χ^2/NDF: 16.8/19

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -21.370+/-27.094 χ^2/NDF: 24.0/25

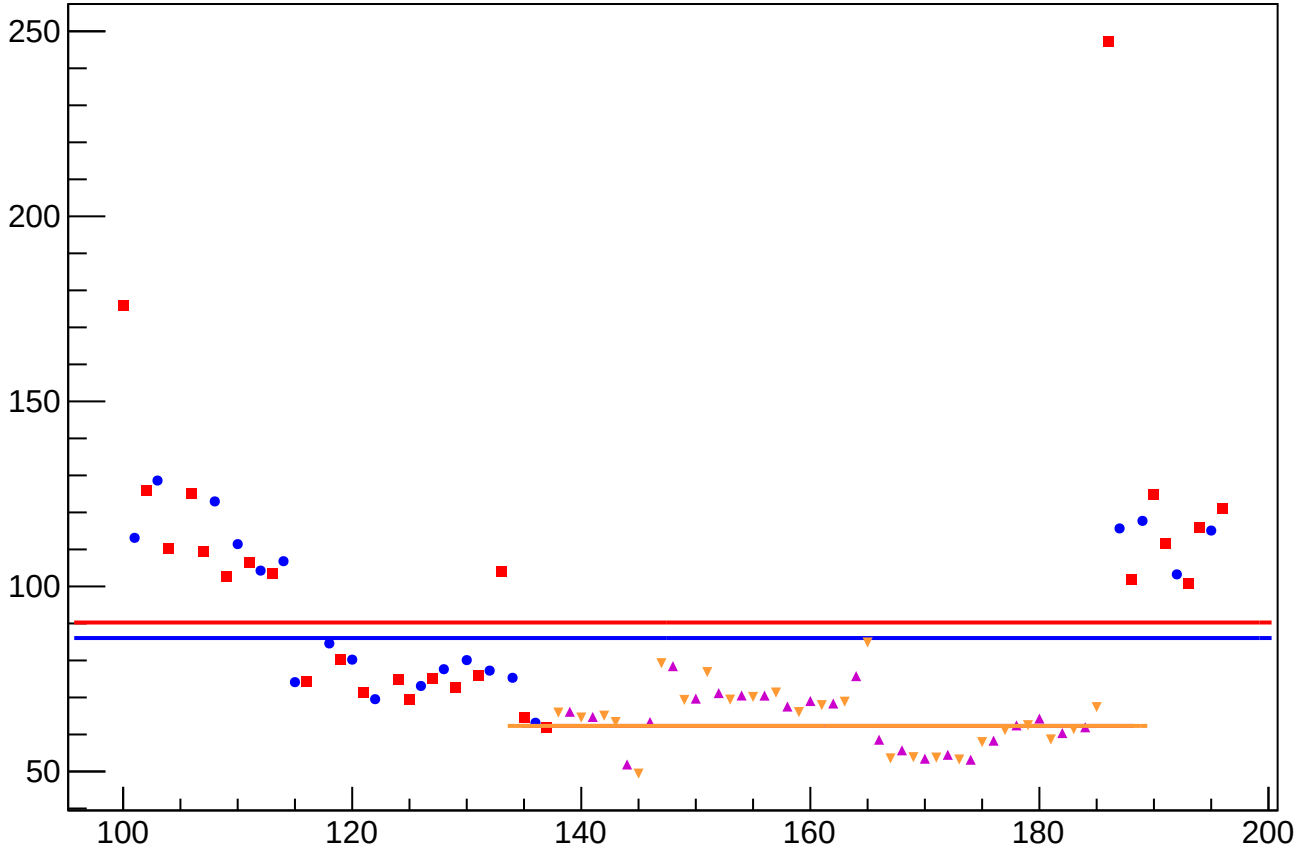
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.132+/-12.777 χ^2/NDF: 60.8/44

All: -4.383+/-9.097 χ^2/NDF: 111.0/93

- sign 10.778+/-12.955 χ^2/NDF: 47.6/48

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.055+/-0.020 χ^2/NDF: 972339.1/19

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.253+/-0.019 χ^2/NDF: 1466508.5/25

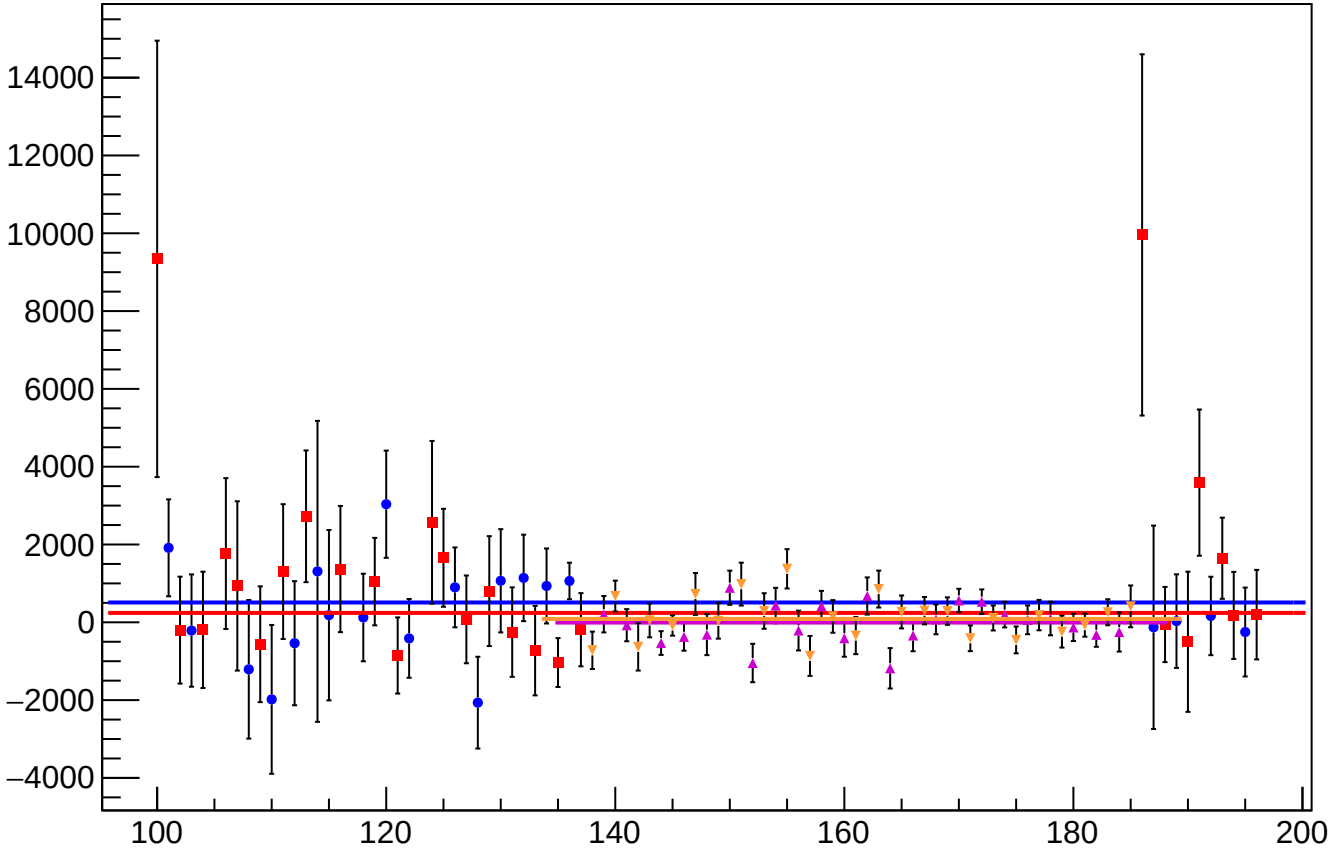
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 67.131+/-0.009 χ^2/NDF: 2724857.7/44

All: 67.904+/-0.006 χ^2/NDF: 6331696.4/93

- sign 68.699+/-0.009 χ^2/NDF: 3591999.3/48

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 509.336+/-250.716 χ^2/NDF: 16.7/19

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 241.578+/-247.411 χ^2/NDF: 26.2/25

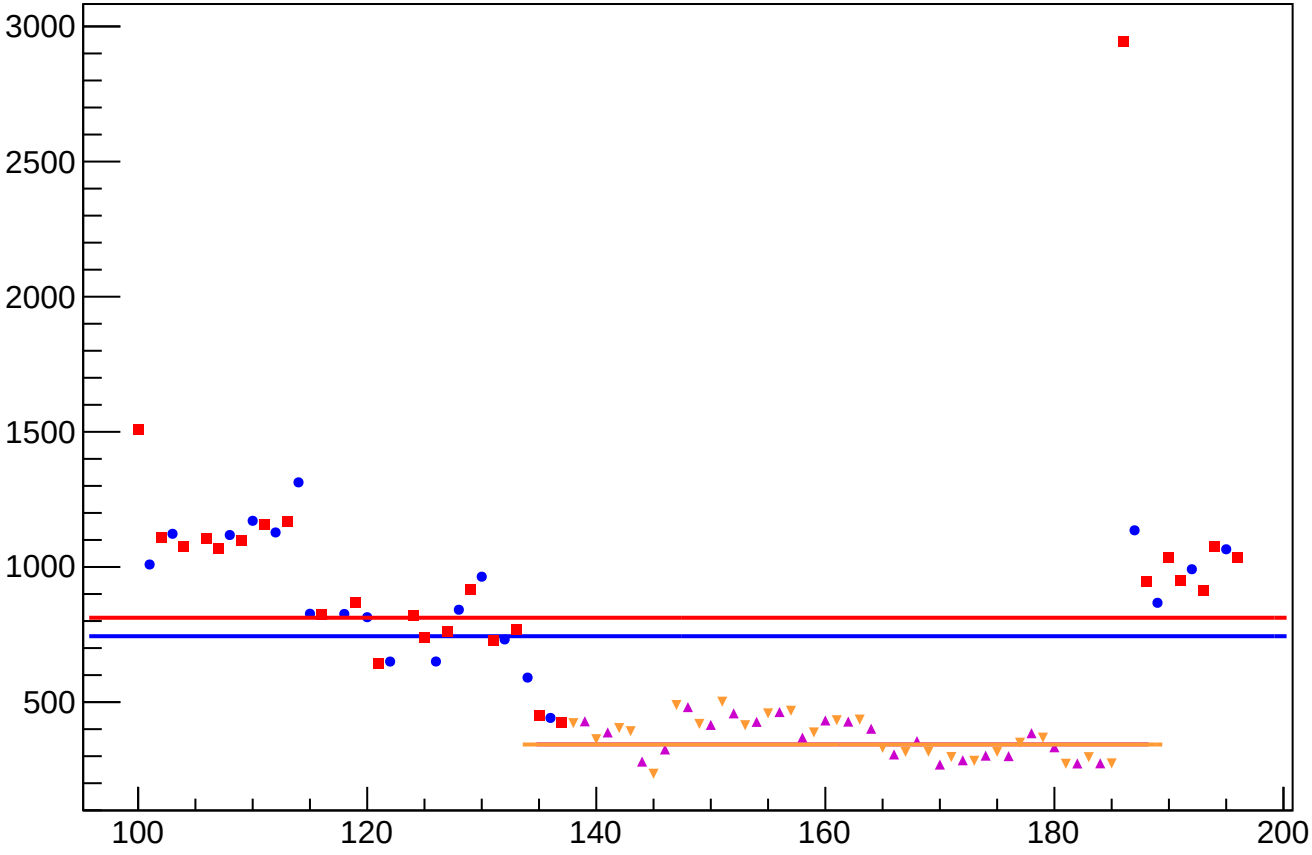
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 125.868+/-76.073 χ^2/NDF: 50.9/44

All: 73.292+/-54.437 χ^2/NDF: 111.4/93

- sign 18.116+/-77.931 χ^2/NDF: 59.5/48

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 743.882+/-0.177 χ^2/NDF: 1920988.8/19

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 812.204+/-0.175 χ^2/NDF: 2312433.1/25

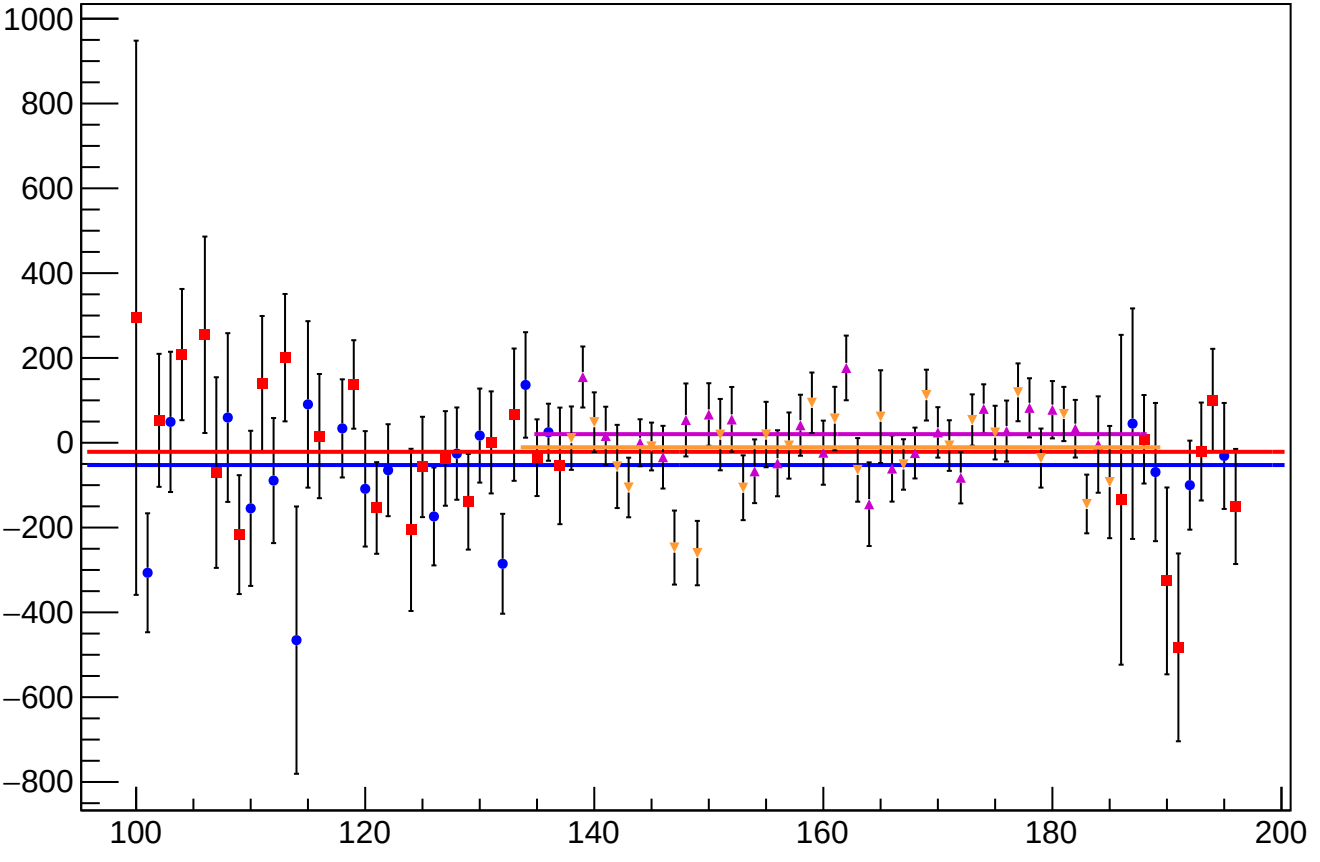
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 380.111+/-0.054 χ^2/NDF: 8153682.9/44

All: 385.033+/-0.038 χ^2/NDF: 18201290.0/93

- sign 390.198+/-0.055 χ^2/NDF: 10030449.7/48

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -52.610+/-28.370 χ^2/NDF: 16.8/19

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -21.370+/-27.094 χ^2/NDF: 24.0/25

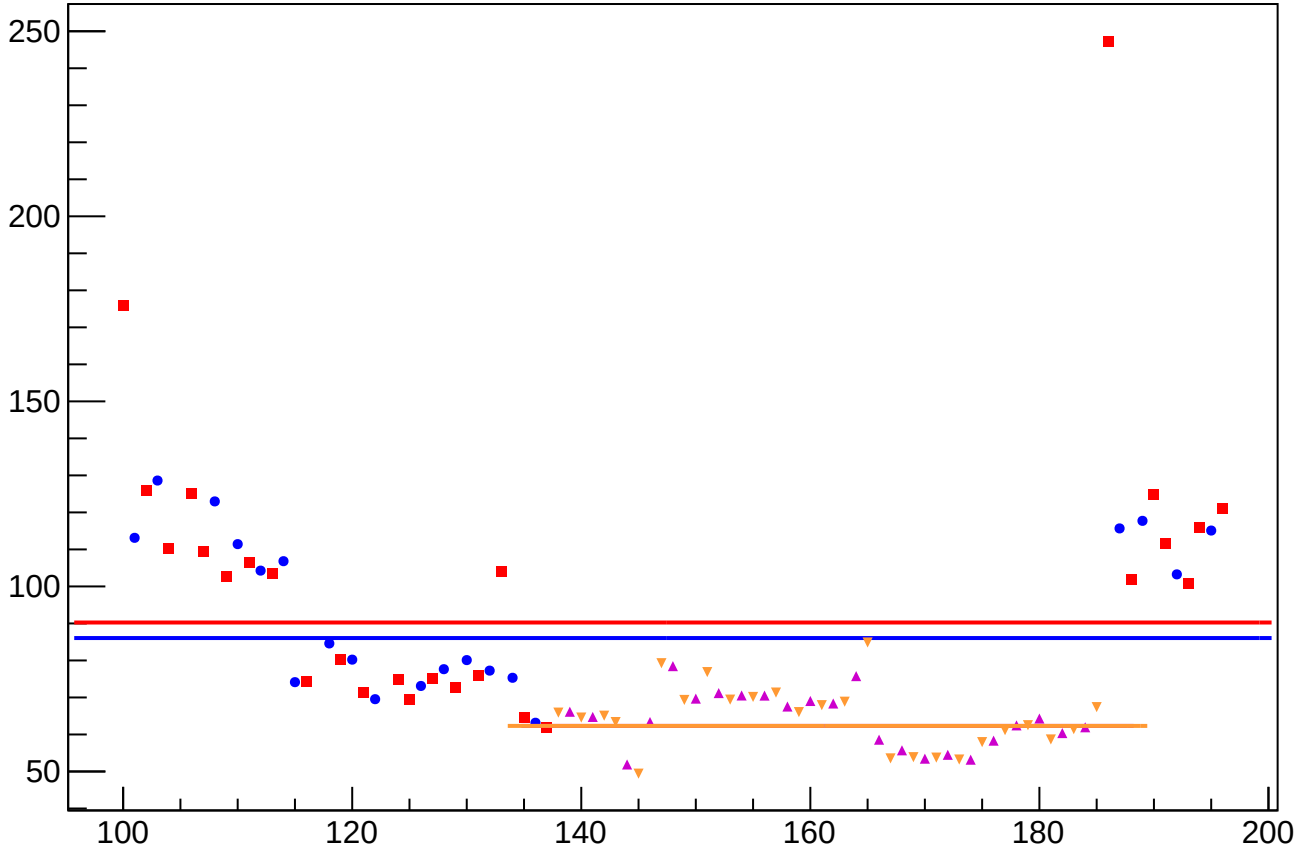
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.132+/-12.777 χ^2/NDF: 60.8/44

All: -4.383+/-9.097 χ^2/NDF: 111.0/93

- sign 10.778+/-12.955 χ^2/NDF: 47.6/48

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.055+/-0.020 χ^2/NDF: 972345.1/19

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

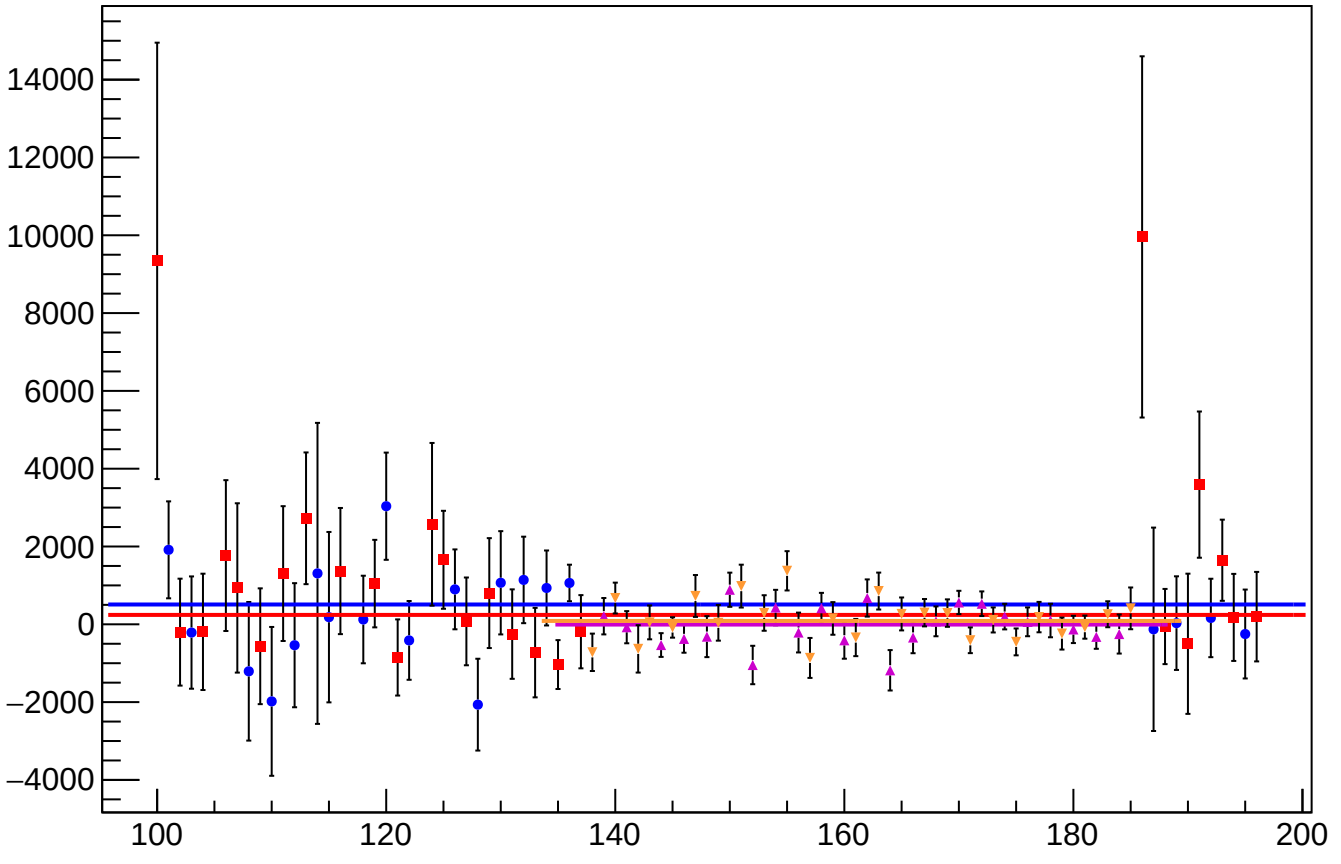
Right Out: 90.253+/-0.019 χ^2/NDF: 1466496.2/25

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 67.131+/-0.009 χ^2/NDF: 2724825.9/44

All: 67.904+/-0.006 χ^2/NDF: 6331604.0/93

- sign 68.699+/-0.009 χ^2/NDF: 3591936.0/48



Right In: 509.335+/-250.716 χ^2/NDF: 16.7/19

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

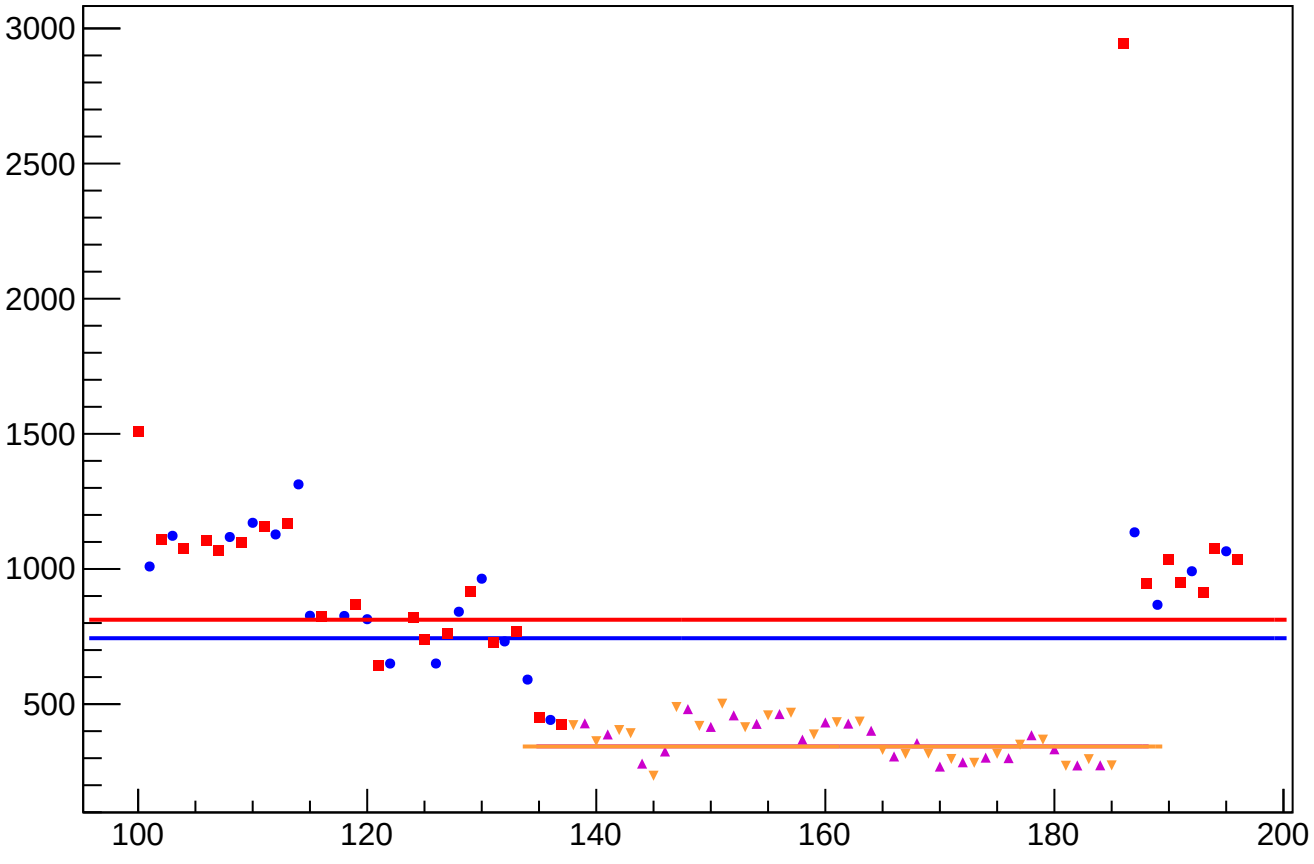
Right Out: 241.579+/-247.411 χ^2/NDF: 26.2/25

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 125.869+/-76.073 χ^2/NDF: 50.9/44

All: 73.292+/-54.437 χ^2/NDF: 111.4/93

- sign 18.116+/-77.931 χ^2/NDF: 59.5/48



Right In: 743.881+/-0.177 χ^2/NDF: 1920977.5/19

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

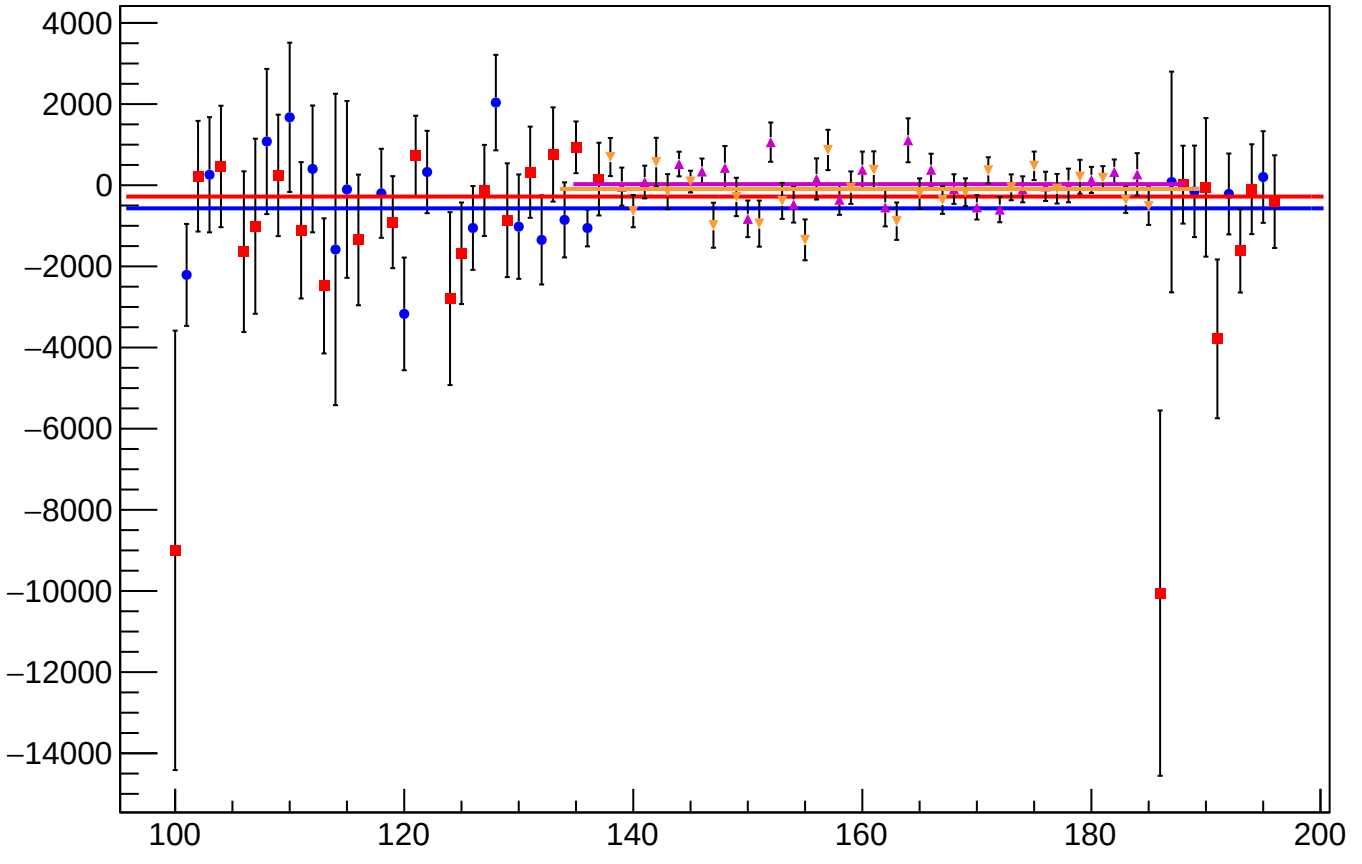
Right Out: 812.203+/-0.175 χ^2/NDF: 2312426.7/25

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 380.111+/-0.054 χ^2/NDF: 8153684.3/44

All: 385.033+/-0.038 χ^2/NDF: 18201285.6/93

- sign 390.198+/-0.055 χ^2/NDF: 10030443.6/48



Right In: -569.148+/-245.528 χ^2/NDF: 17.1/19

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -279.404+/-246.141 χ^2/NDF: 25.0/25

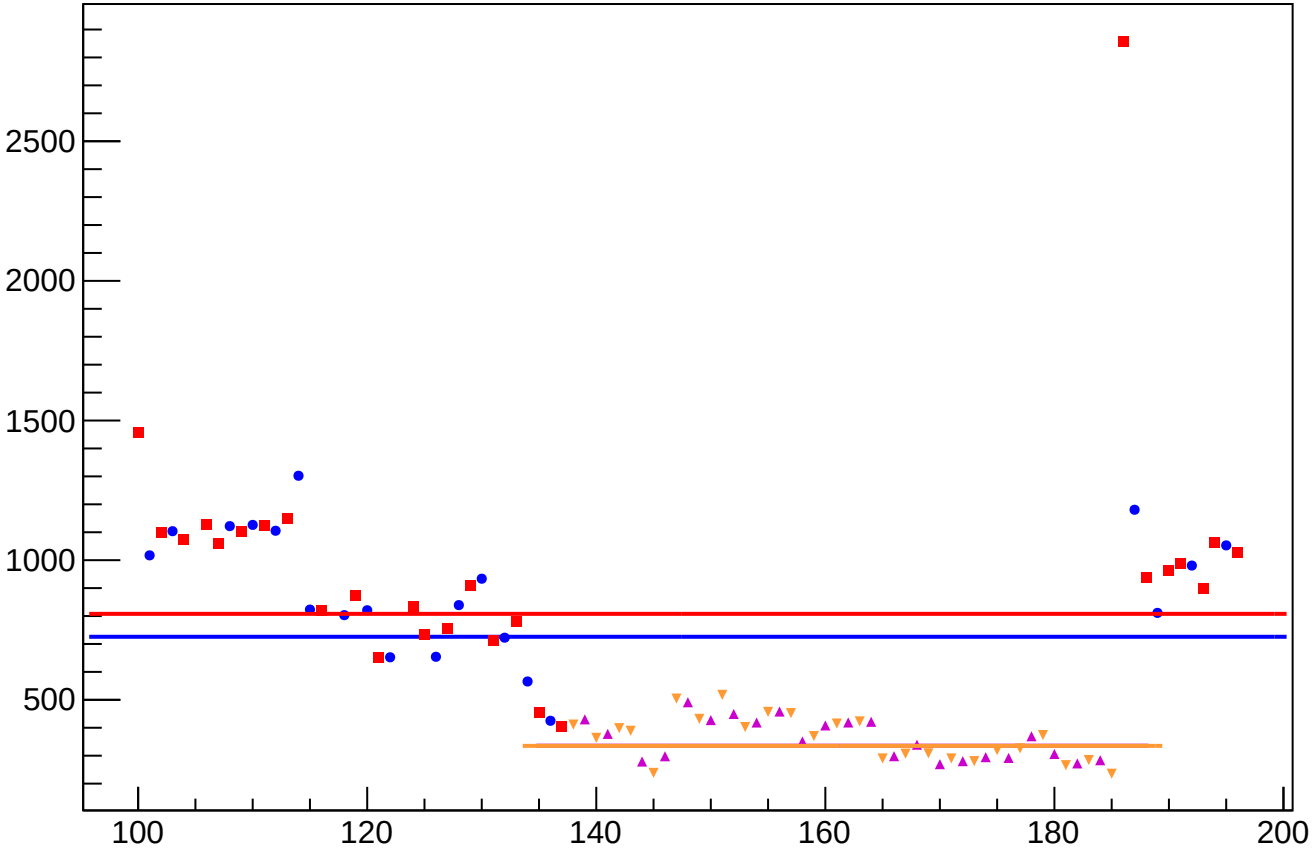
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -136.537+/-74.498 χ^2/NDF: 54.7/44

All: -70.966+/-53.290 χ^2/NDF: 113.6/93

- sign -2.255+/-76.261 χ^2/NDF: 57.3/48

asym_sam_15_26_dd_rms vs Slug



Right In: 725.744+/-0.174 χ^2/NDF: 2026715.5/19

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

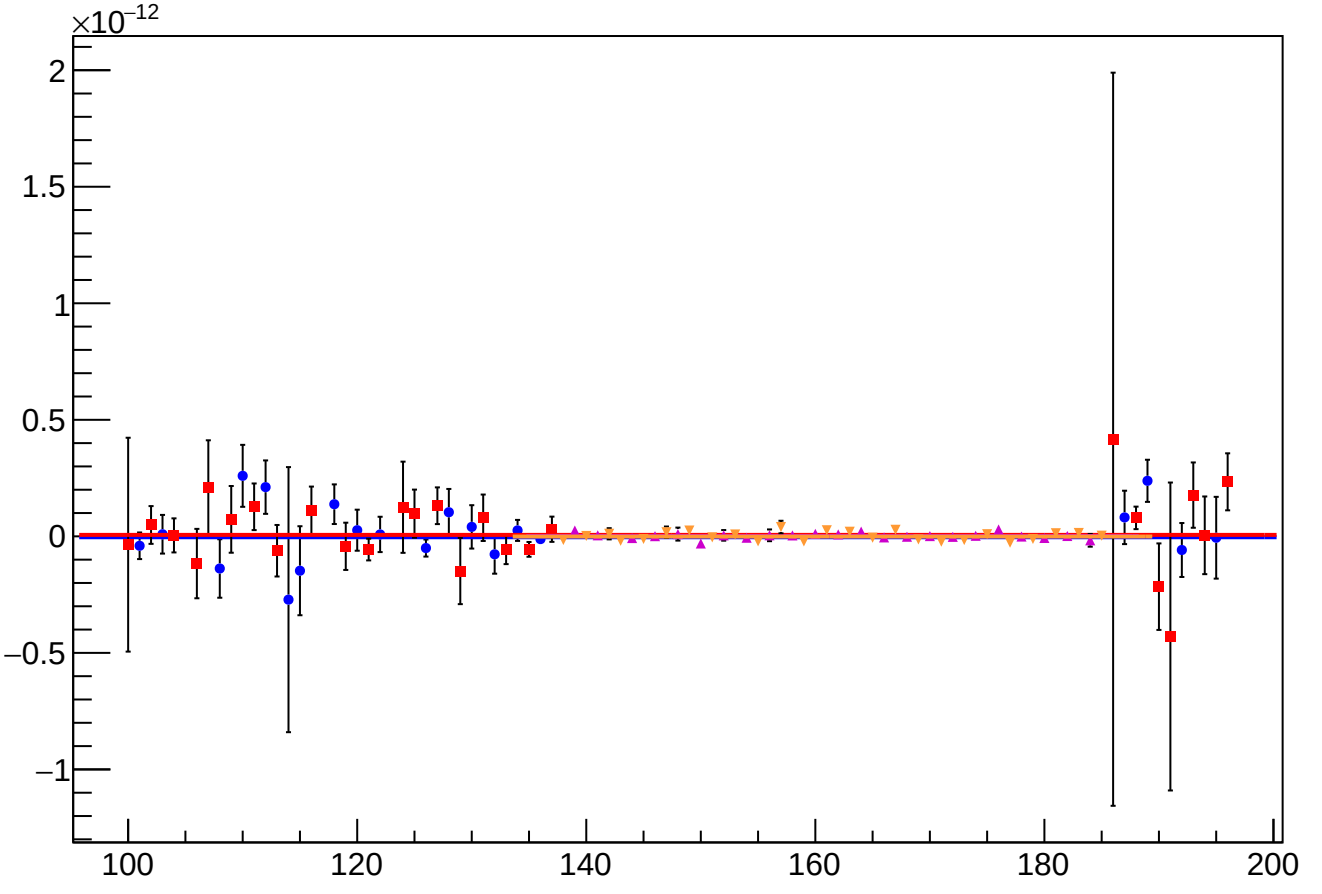
Right Out: 807.814+/-0.174 χ^2/NDF: 2290348.5/25

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 371.109+/-0.053 χ^2/NDF: 8328237.7/44

All: 375.987+/-0.038 χ^2/NDF: 18576694.8/93

- sign 381.098+/-0.054 χ^2/NDF: 10230901.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

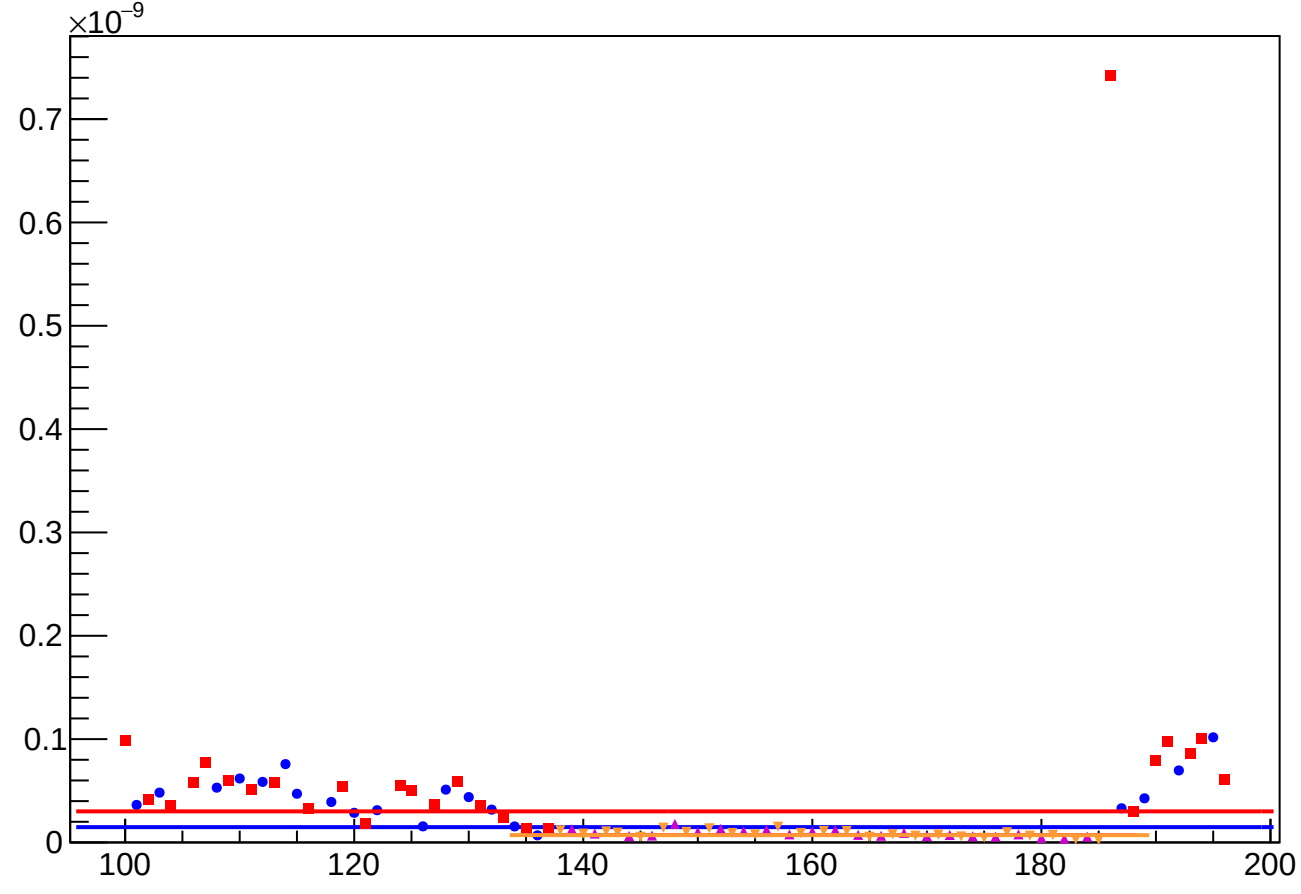
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/25

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/44

All: 0.000+/-0.000 χ^2/NDF: 100.8/93

- sign 0.000+/-0.000 χ^2/NDF: 41.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4256302.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

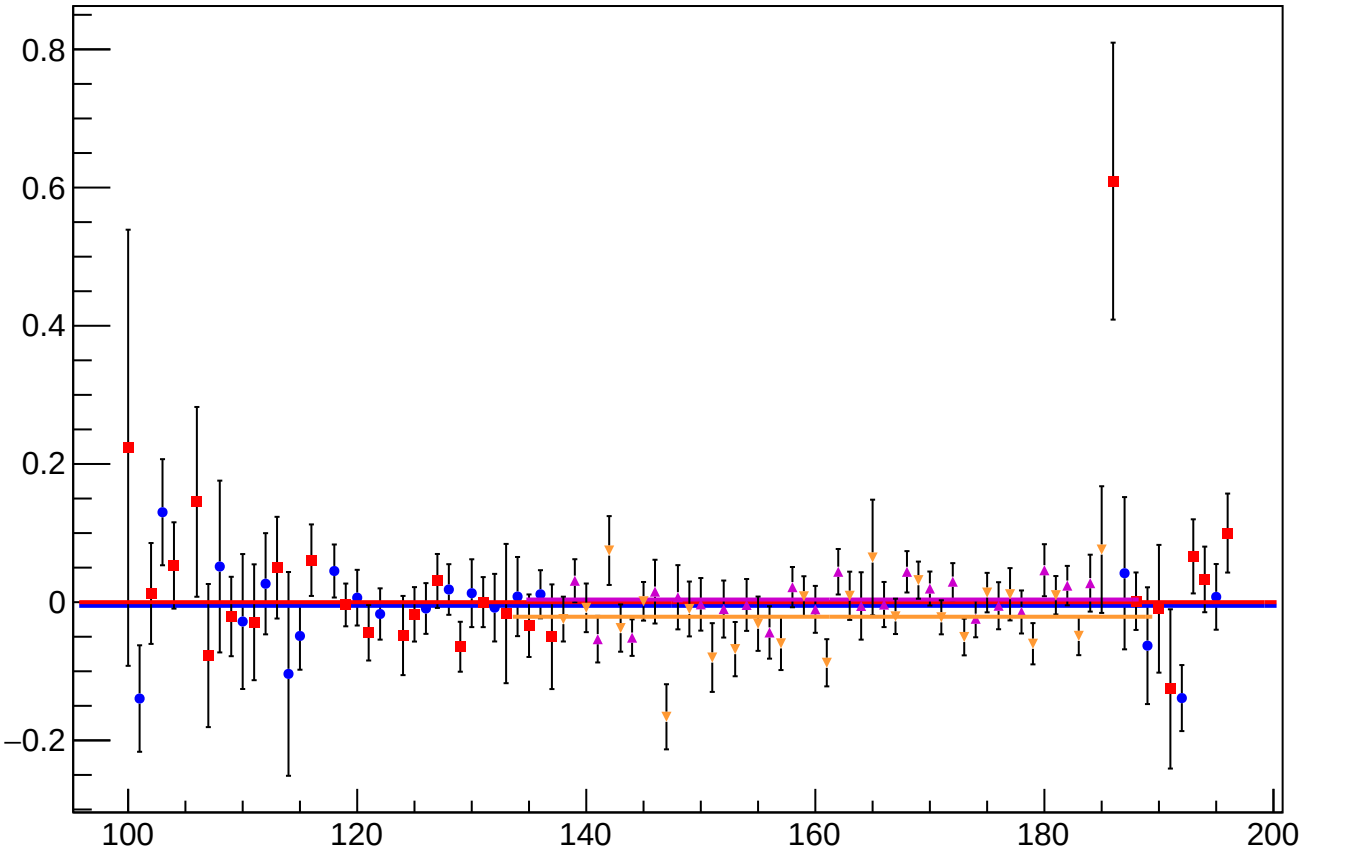
Right Out: 0.000+/-0.000 χ^2/NDF: 3165036.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7309190.4/44

All: 0.000+/-0.000 χ^2/NDF: 16086817.3/93

- sign 0.000+/-0.000 χ^2/NDF: 8762006.5/48



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

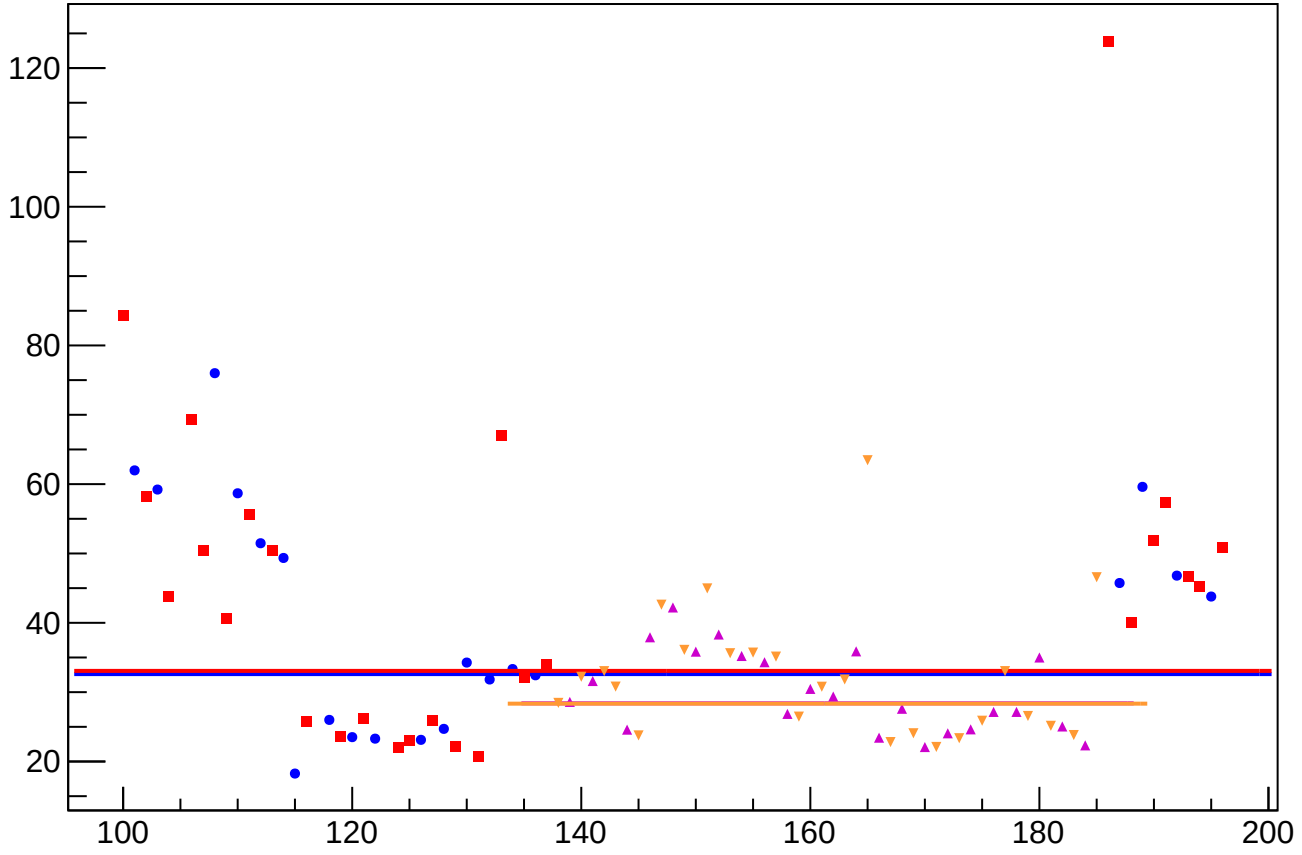
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.007+/-0.004 χ^2/NDF: 109.9/93

- 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: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

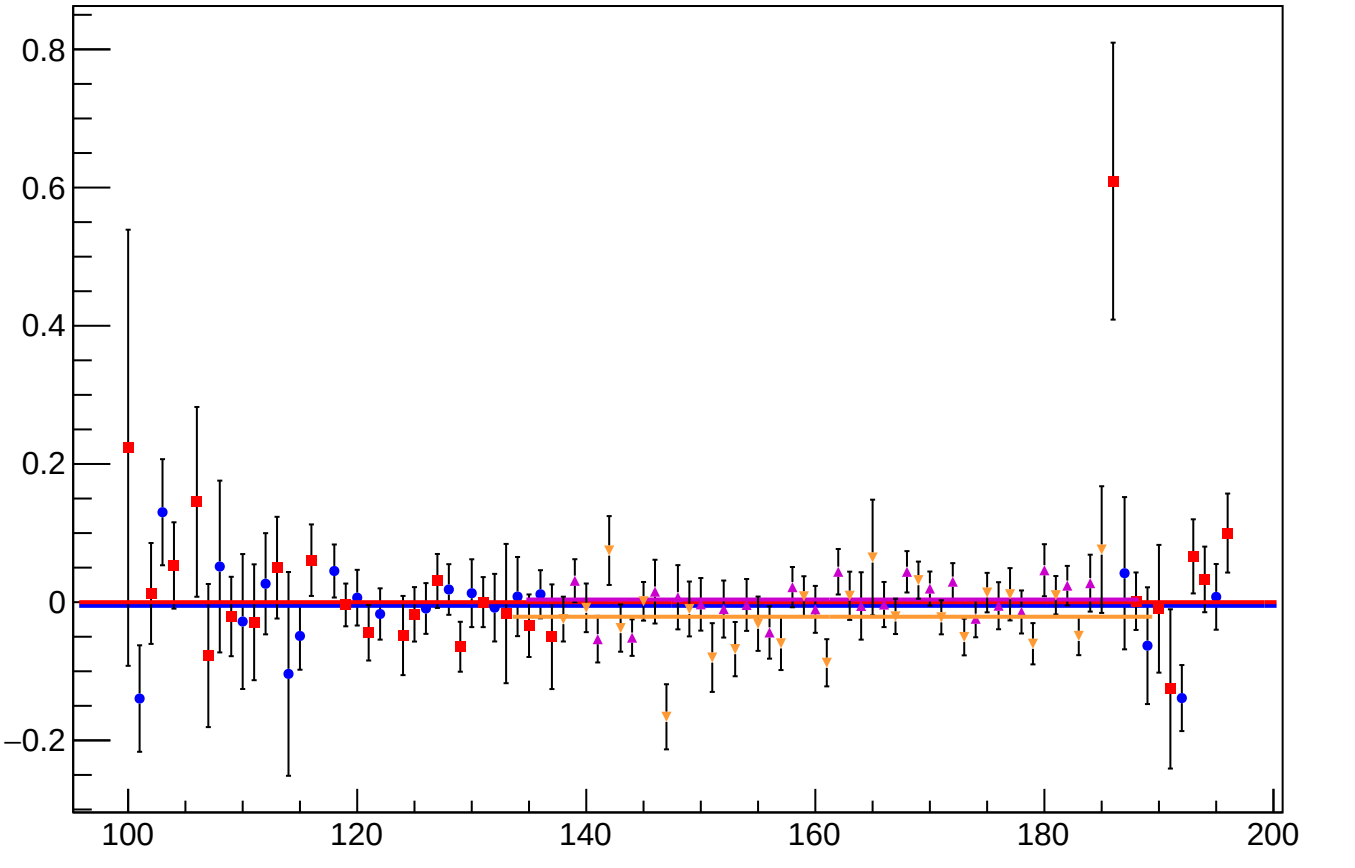
Right Out: 33.067+/-0.007 χ^2/NDF: 3128261.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.433+/-0.004 χ^2/NDF: 4227606.9/44

All: 29.610+/-0.003 χ^2/NDF: 8736440.8/93

- sign 29.787+/-0.004 χ^2/NDF: 4505036.0/48



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

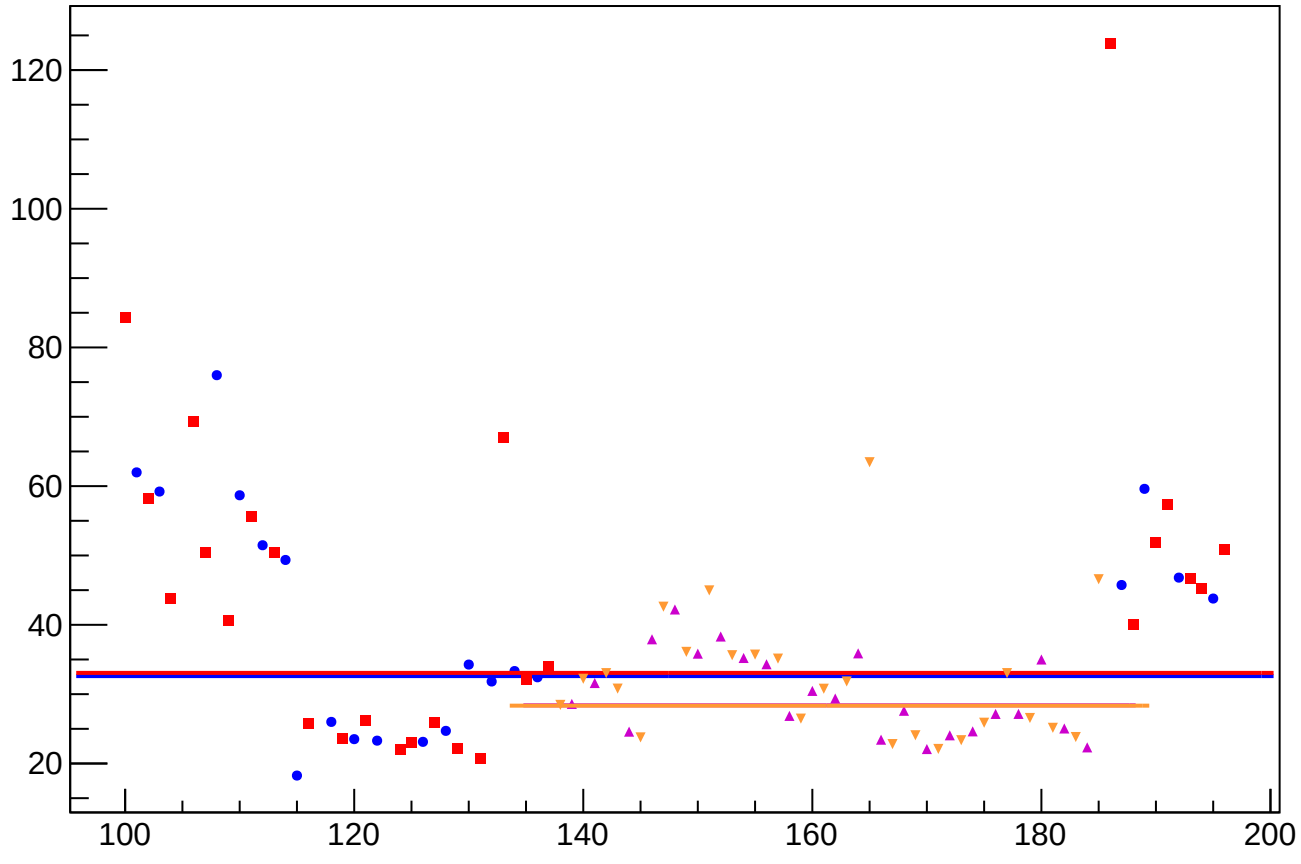
Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.007+/-0.004 χ^2/NDF: 109.9/93

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48



Right In: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

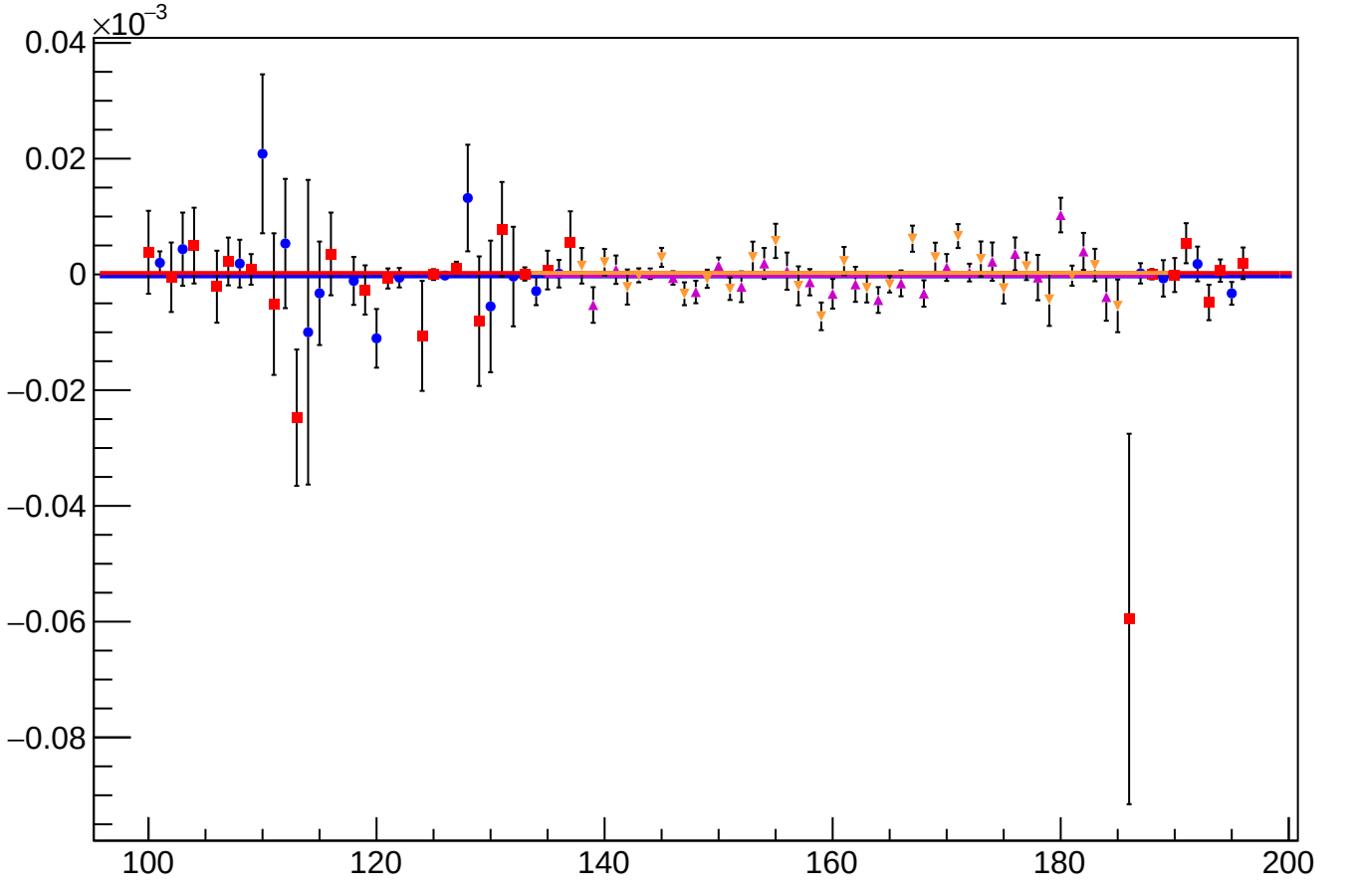
Right Out: 33.067+/-0.007 χ^2/NDF: 3128261.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.433+/-0.004 χ^2/NDF: 4227606.9/44

All: 29.610+/-0.003 χ^2/NDF: 8736440.8/93

- sign 29.787+/-0.004 χ^2/NDF: 4505036.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

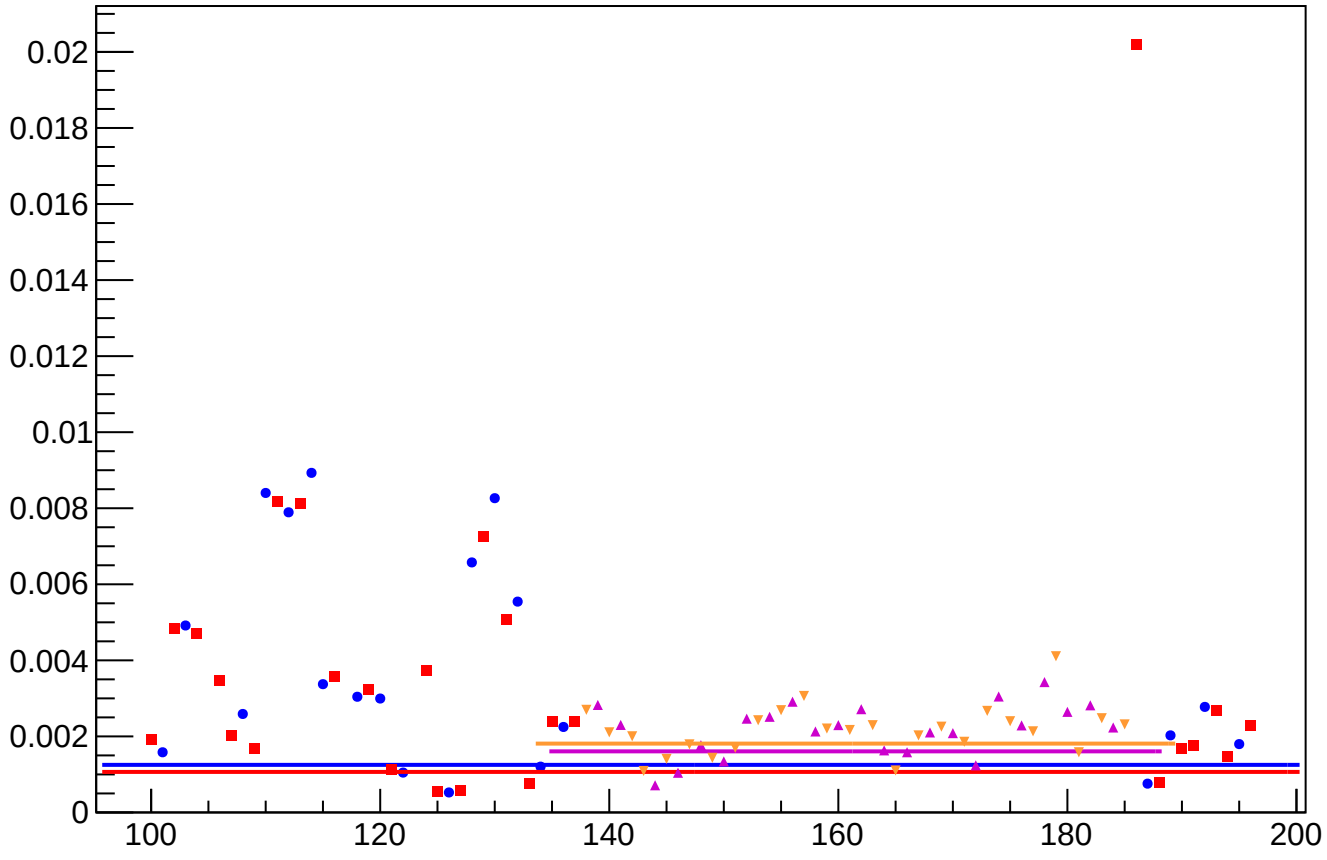
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/44

All: 0.000+/-0.000 χ^2/NDF: 121.8/93

- sign 0.000+/-0.000 χ^2/NDF: 54.3/48



Right In: 0.001+/-0.000 χ^2/NDF: 7871837.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

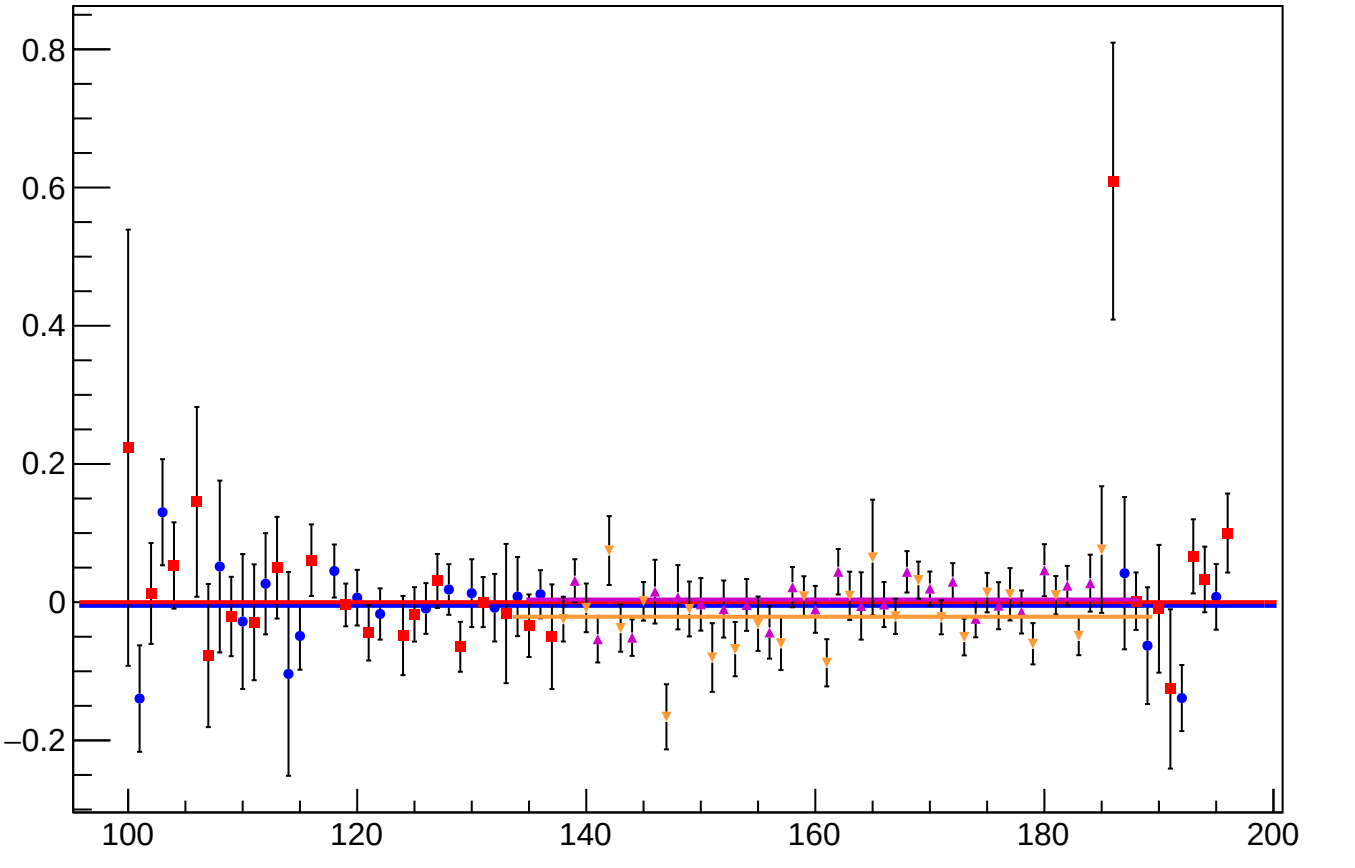
Right Out: 0.001+/-0.000 χ^2/NDF: 9085237.3/25

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12609670.2/44

All: 0.001+/-0.000 χ^2/NDF: 30005323.7/93

- sign 0.001+/-0.000 χ^2/NDF: 16755485.3/48



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

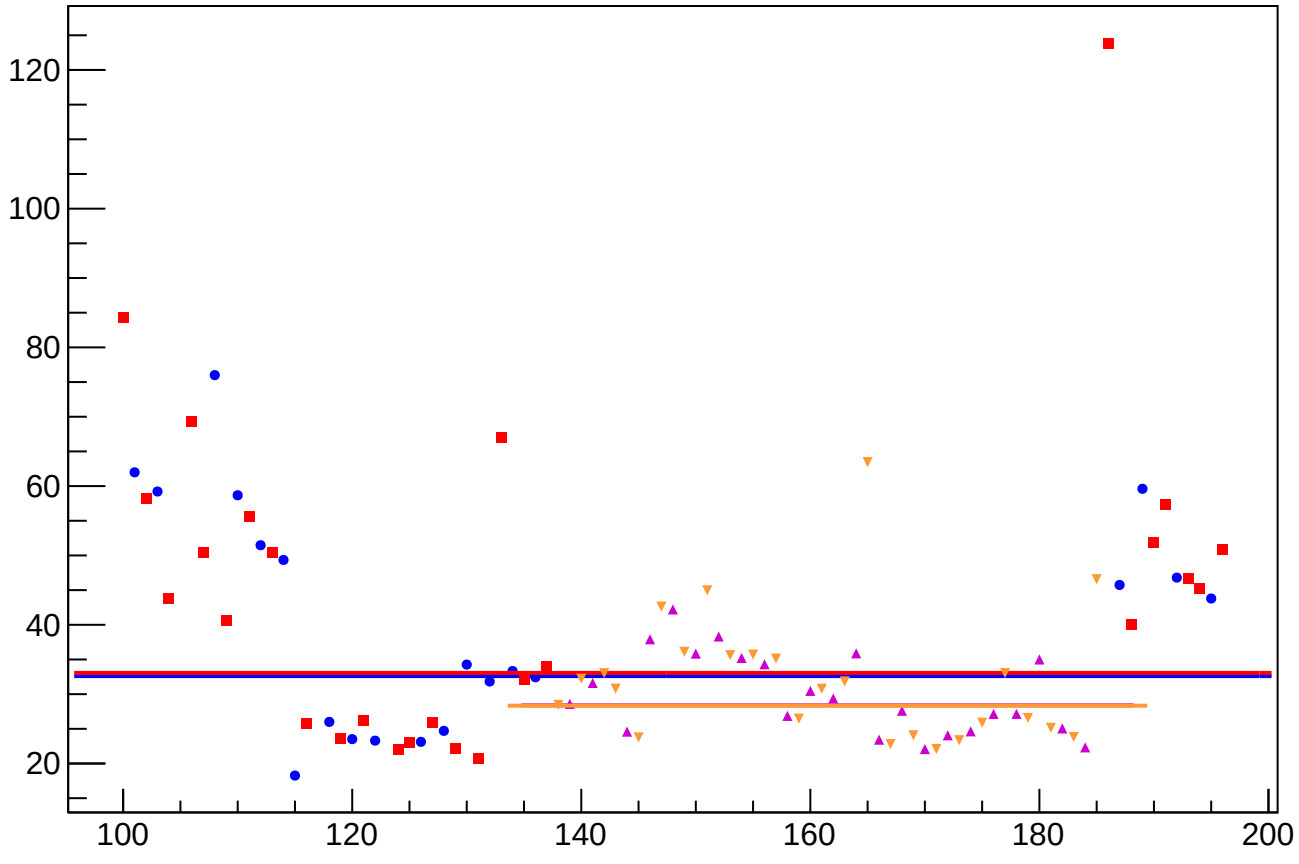
Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.007+/-0.004 χ^2/NDF: 109.9/93

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

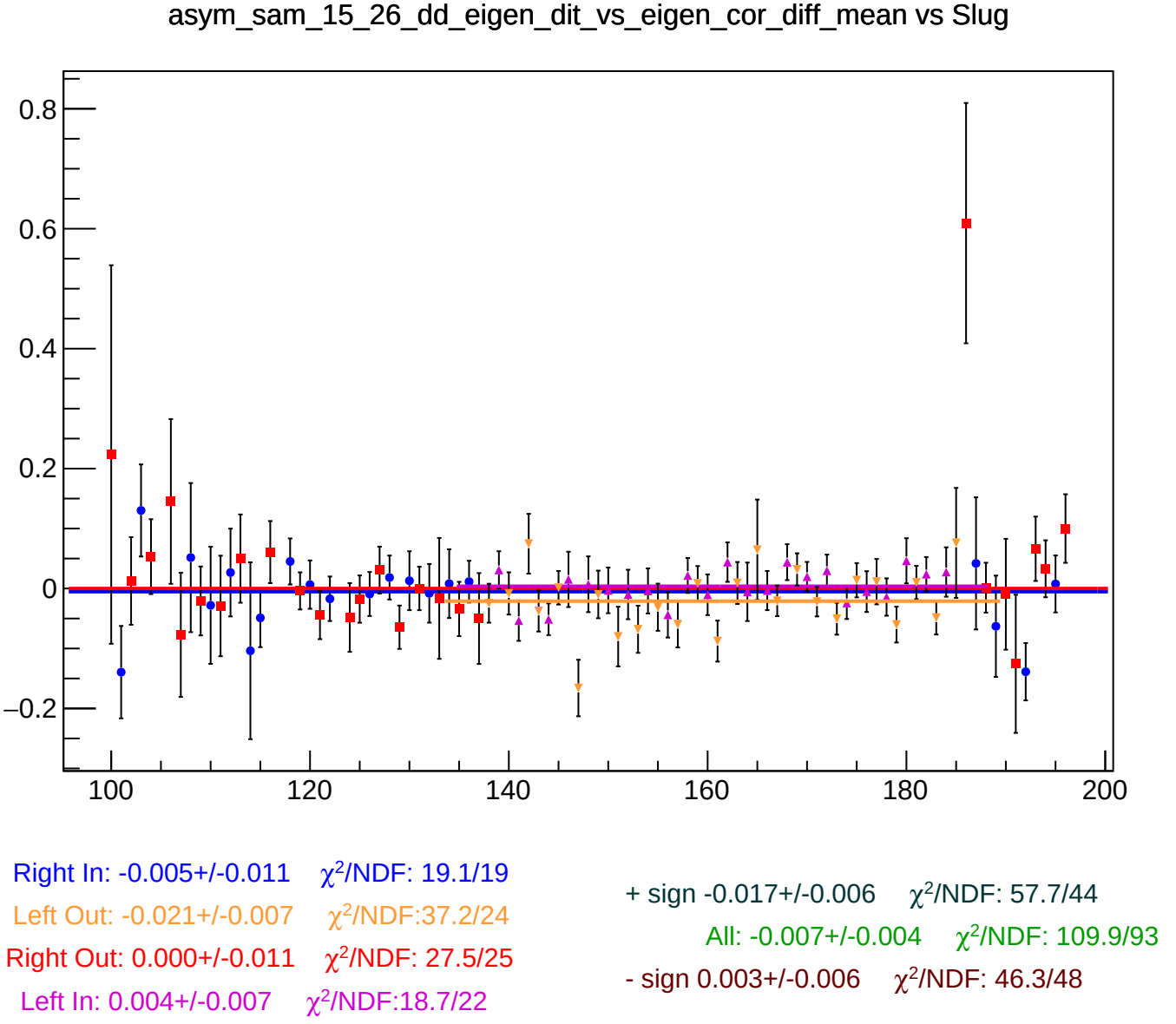
Right Out: 33.067+/-0.007 χ^2/NDF: 3128288.9/25

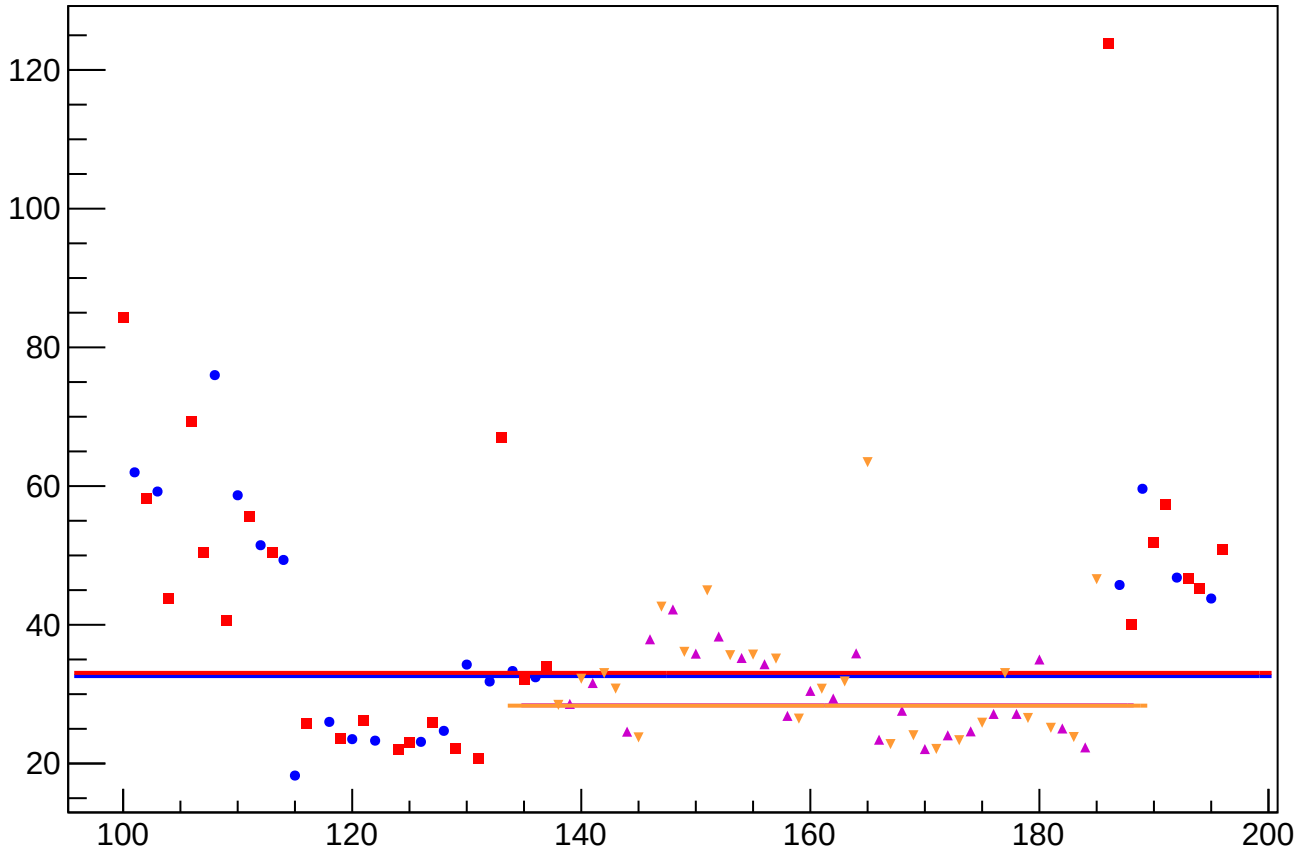
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.433+/-0.004 χ^2/NDF: 4227447.0/44

All: 29.610+/-0.003 χ^2/NDF: 8736223.4/93

\- sign 29.787+/-0.004 χ^2/NDF: 4504978.6/48


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.005+/-0.011 χ²/NDF: 19.1/19
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: 0.000+/-0.011 χ²/NDF: 27.5/25
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 57.7/44
All: -0.007+/-0.004 χ²/NDF: 109.9/93
- sign 0.003+/-0.006 χ²/NDF: 46.3/48



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

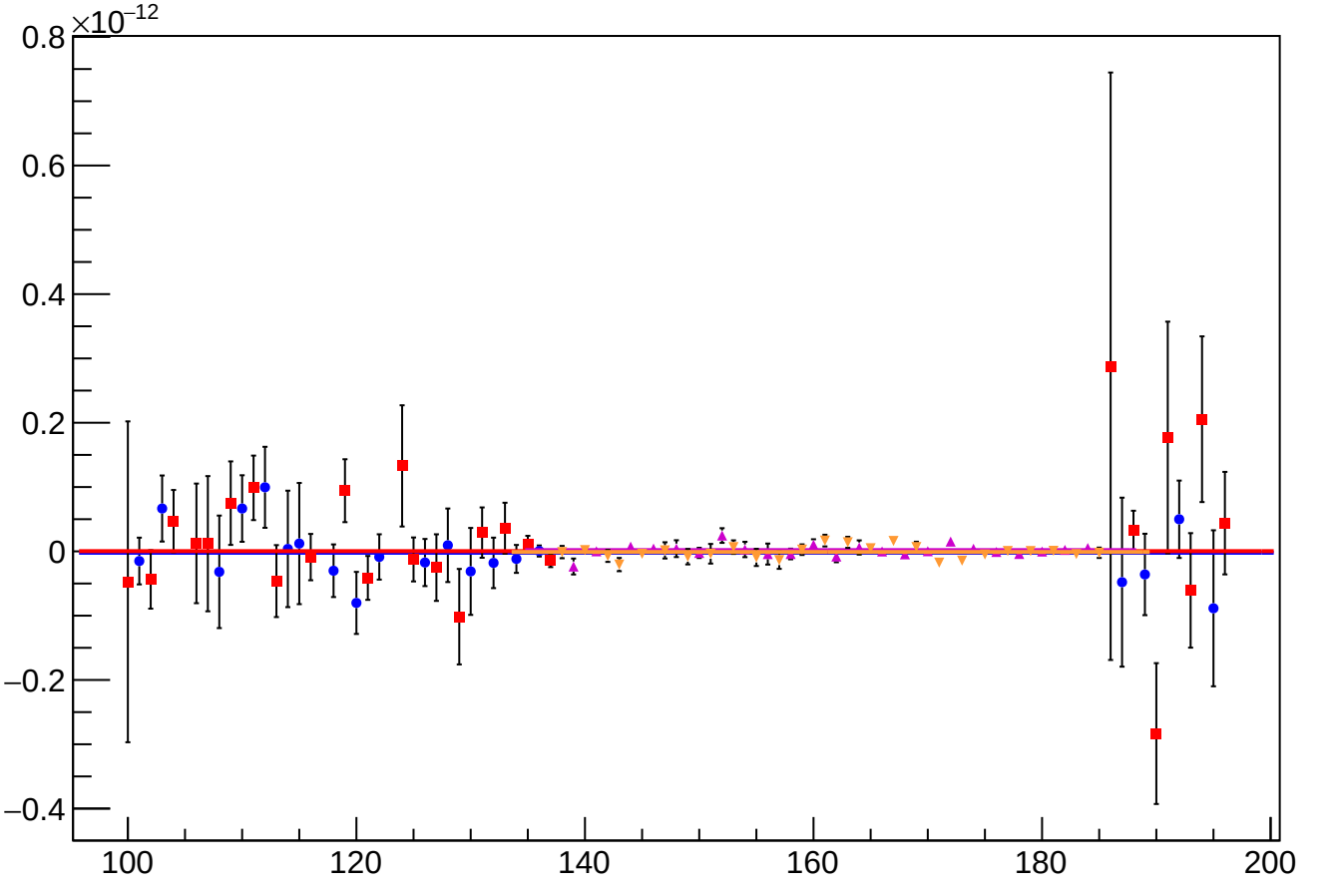
Right Out: 33.067+/-0.007 χ^2/NDF: 3128288.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.433+/-0.004 χ^2/NDF: 4227447.0/44

All: 29.610+/-0.003 χ^2/NDF: 8736223.4/93

- sign 29.787+/-0.004 χ^2/NDF: 4504978.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

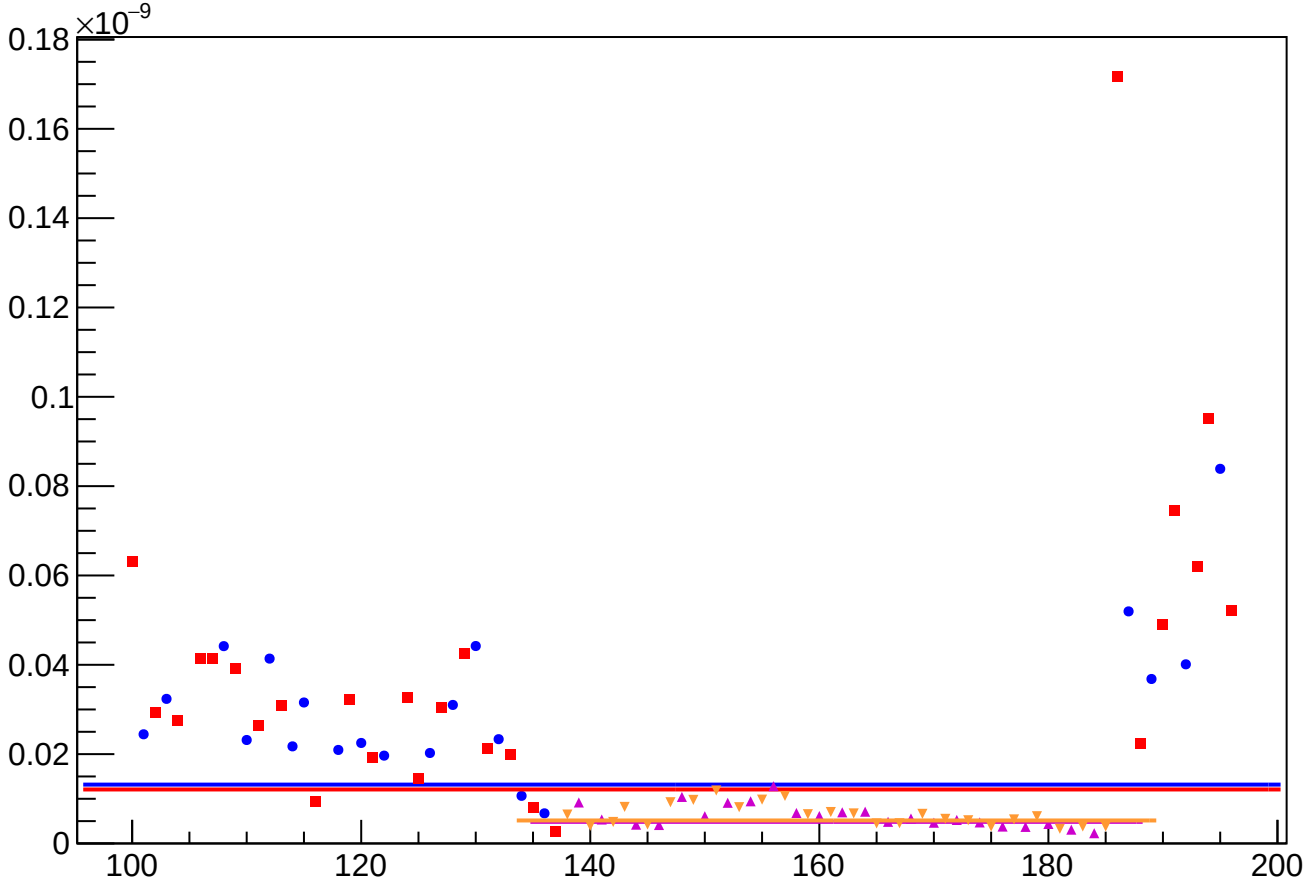
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/25

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/44

All: 0.000+/-0.000 χ^2/NDF: 101.7/93

- sign 0.000+/-0.000 χ^2/NDF: 53.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 5010047.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7777065.0/25

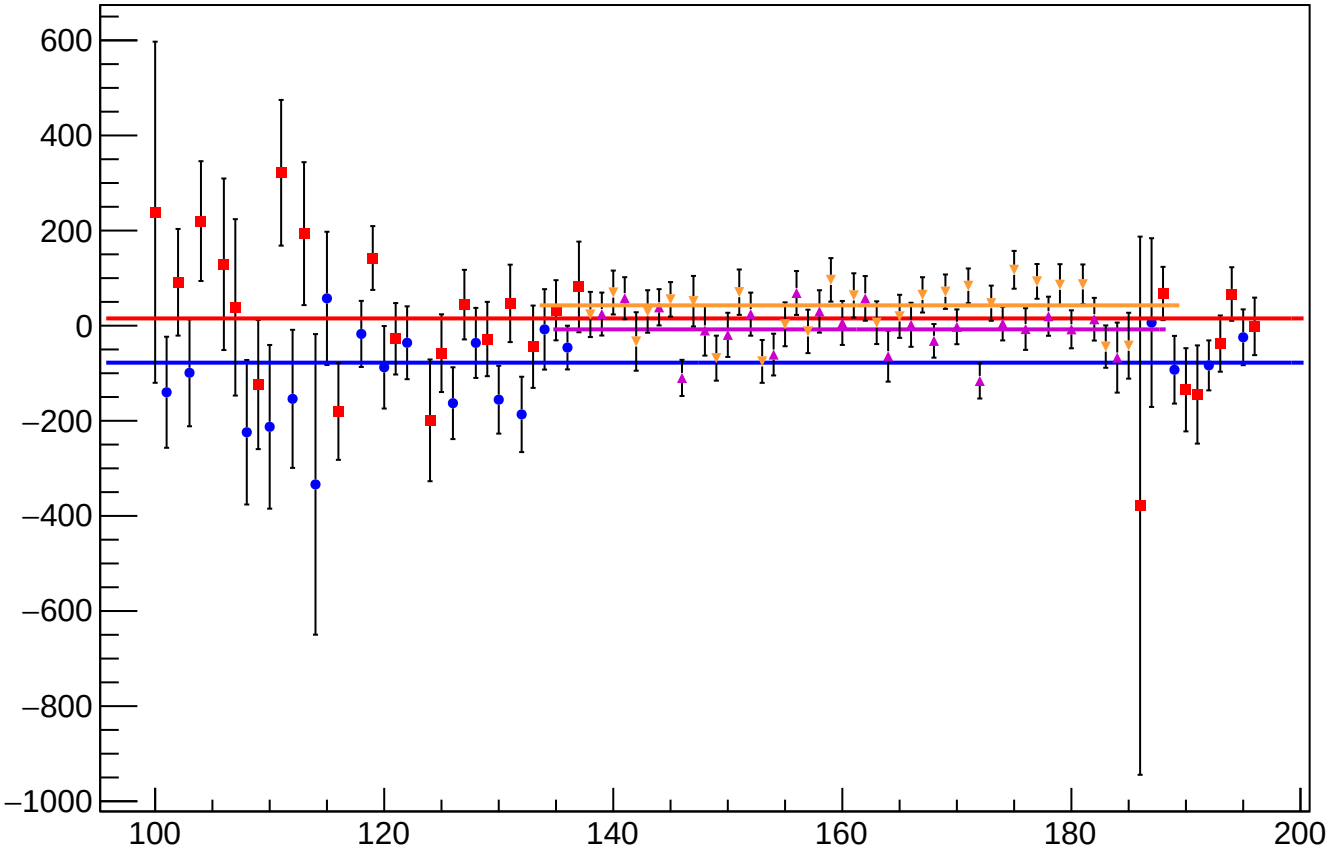
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10771227.3/44

All: 0.000+/-0.000 χ^2/NDF: 24047306.3/93

- sign 0.000+/-0.000 χ^2/NDF: 13223064.7/48

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -77.763+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.274+/-16.963 χ^2/NDF: 31.6/25

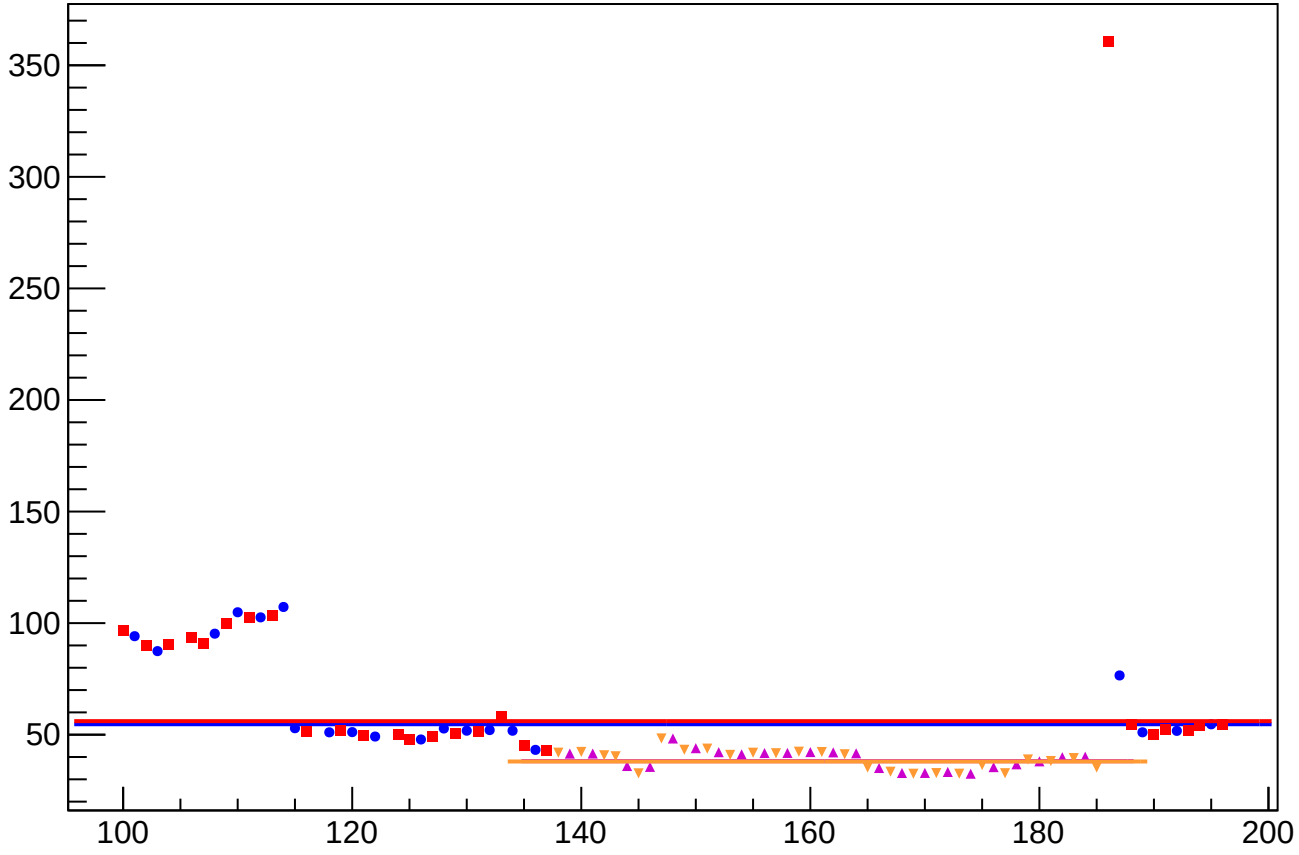
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 20.117+/-7.838 χ^2/NDF: 82.6/44

All: 8.825+/-5.576 χ^2/NDF: 150.4/93

- sign -2.741+/-7.933 χ^2/NDF: 63.7/48

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.7/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.073+/-0.012 χ^2/NDF: 1897779.5/25

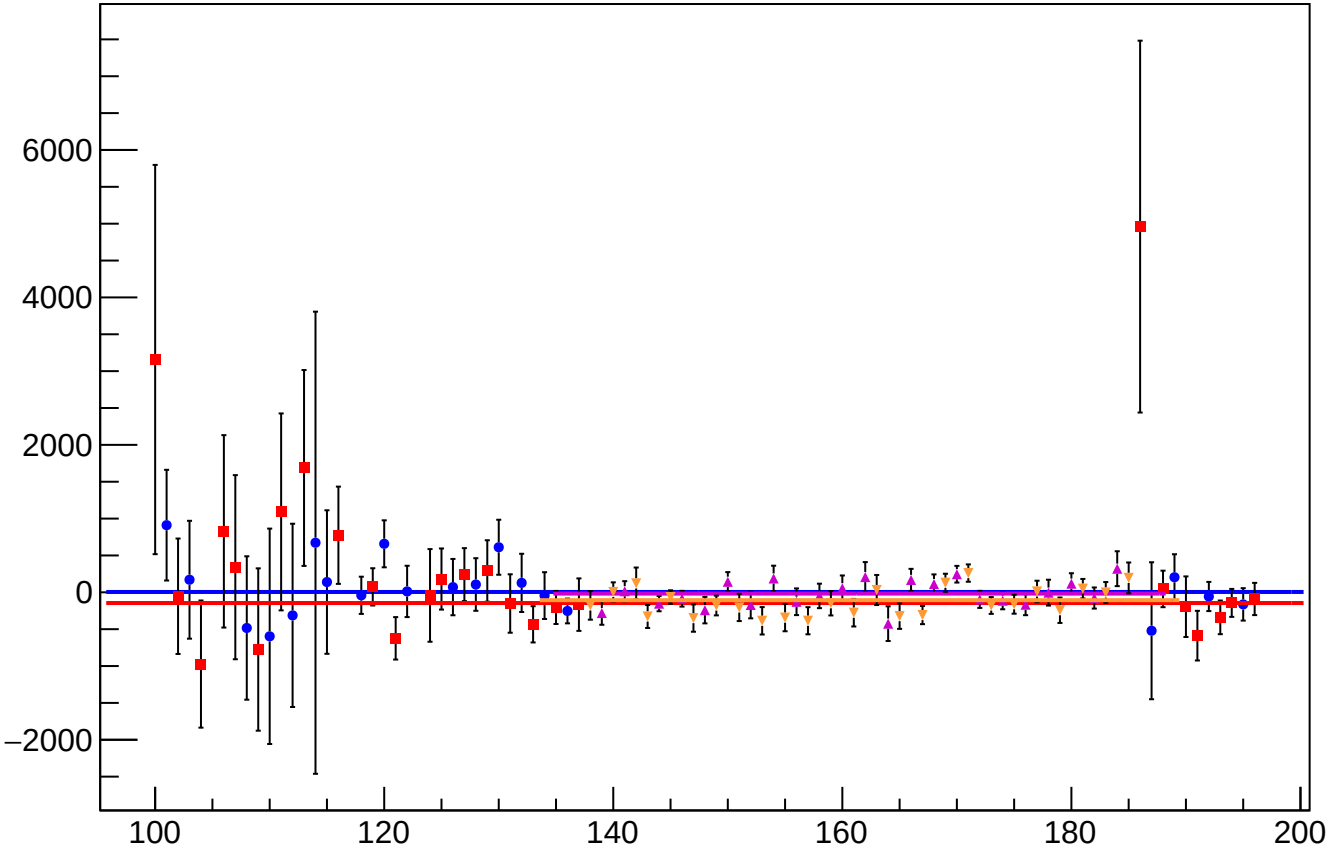
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.0/44

All: 41.586+/-0.004 χ^2/NDF: 7182307.2/93

- sign 42.056+/-0.006 χ^2/NDF: 4074004.2/48

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 4.767+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -145.094+/-69.332 χ^2/NDF: 23.3/25

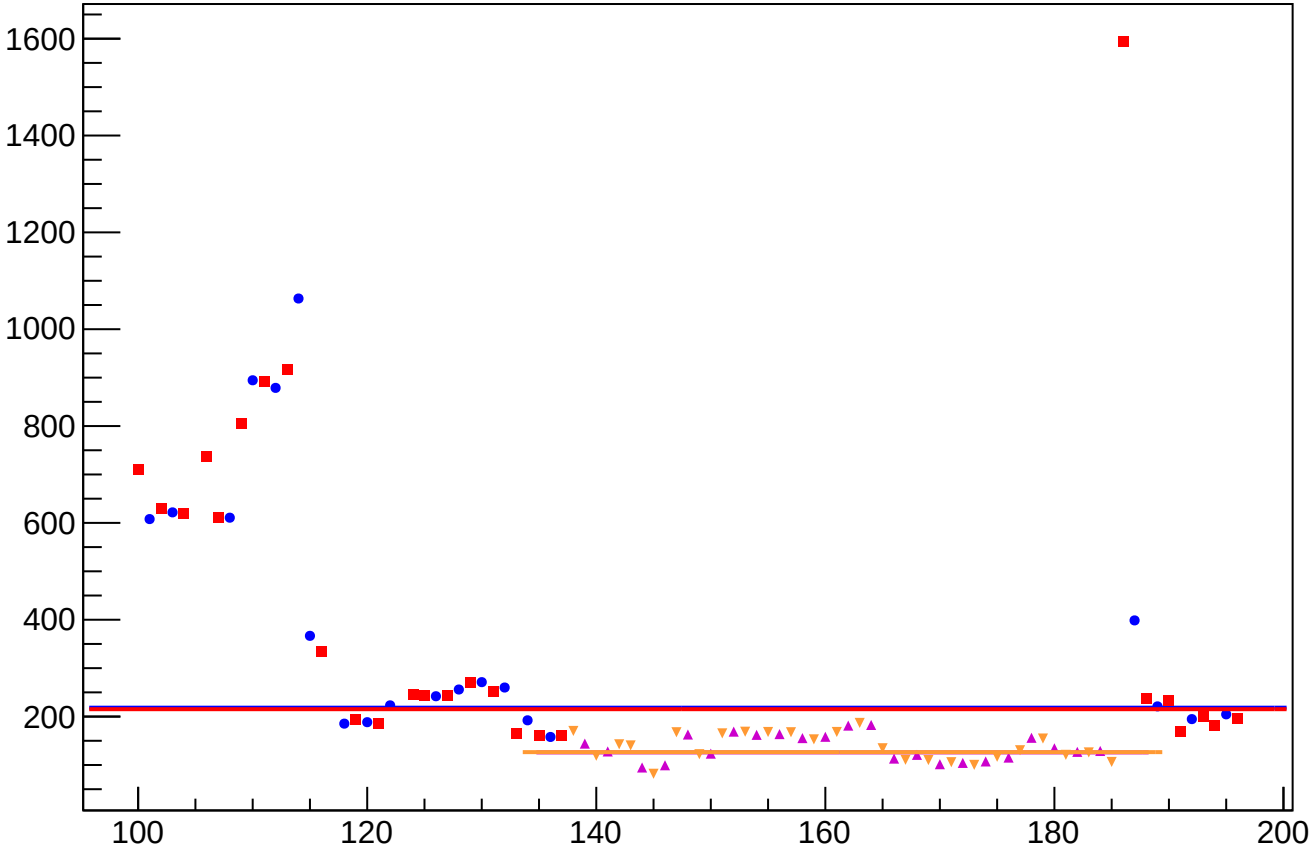
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.972+/-27.565 χ^2/NDF: 52.4/44

All: -65.017+/-19.531 χ^2/NDF: 108.8/93

- sign -37.845+/-27.676 χ^2/NDF: 54.4/48

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 218.353+/-0.054 χ^2/NDF: 3087104.6/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 215.250+/-0.049 χ^2/NDF: 4411397.5/25

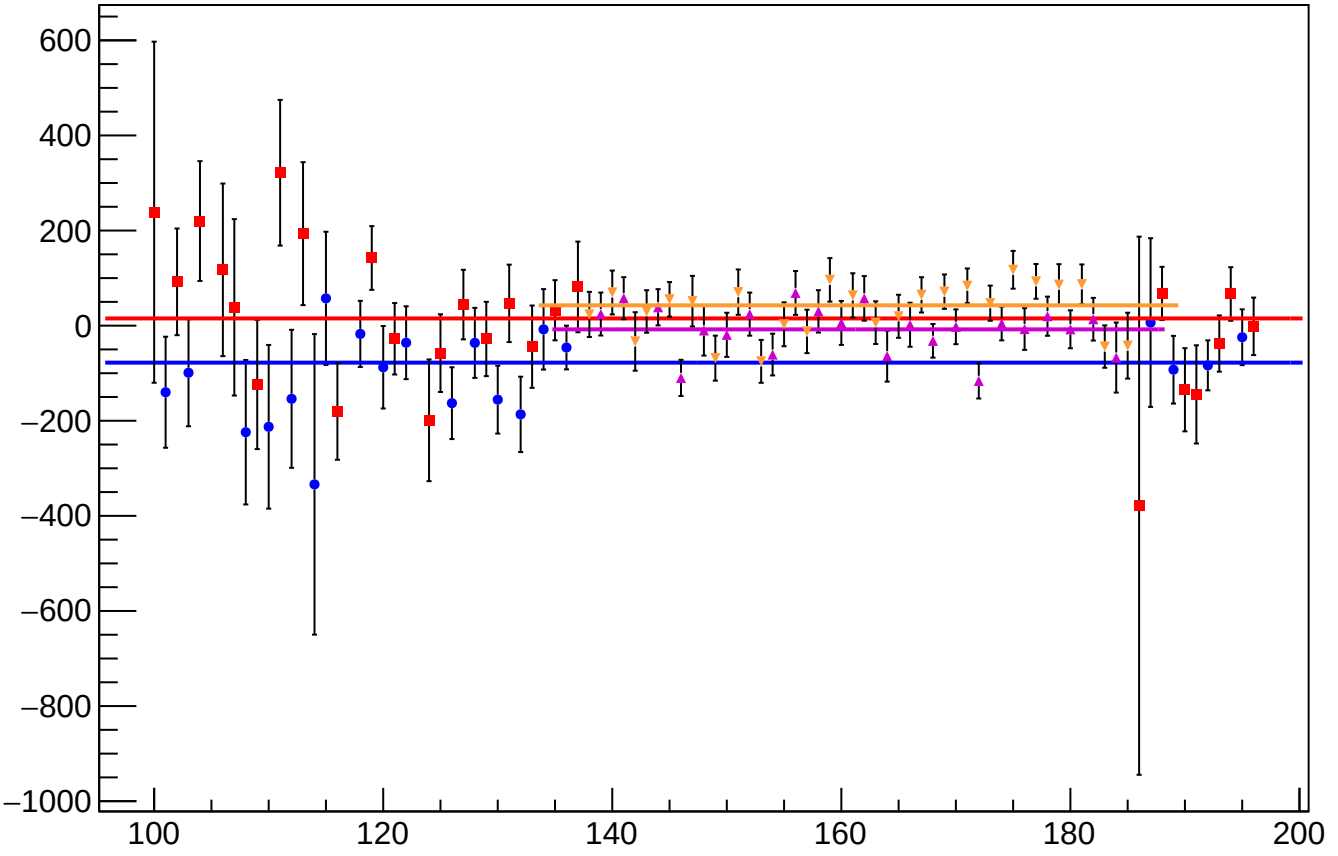
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363750.0/44

All: 139.388+/-0.014 χ^2/NDF: 15974756.8/93

- sign 140.233+/-0.020 χ^2/NDF: 8607297.5/48

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -77.760+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.183+/-16.964 χ^2/NDF: 31.6/25

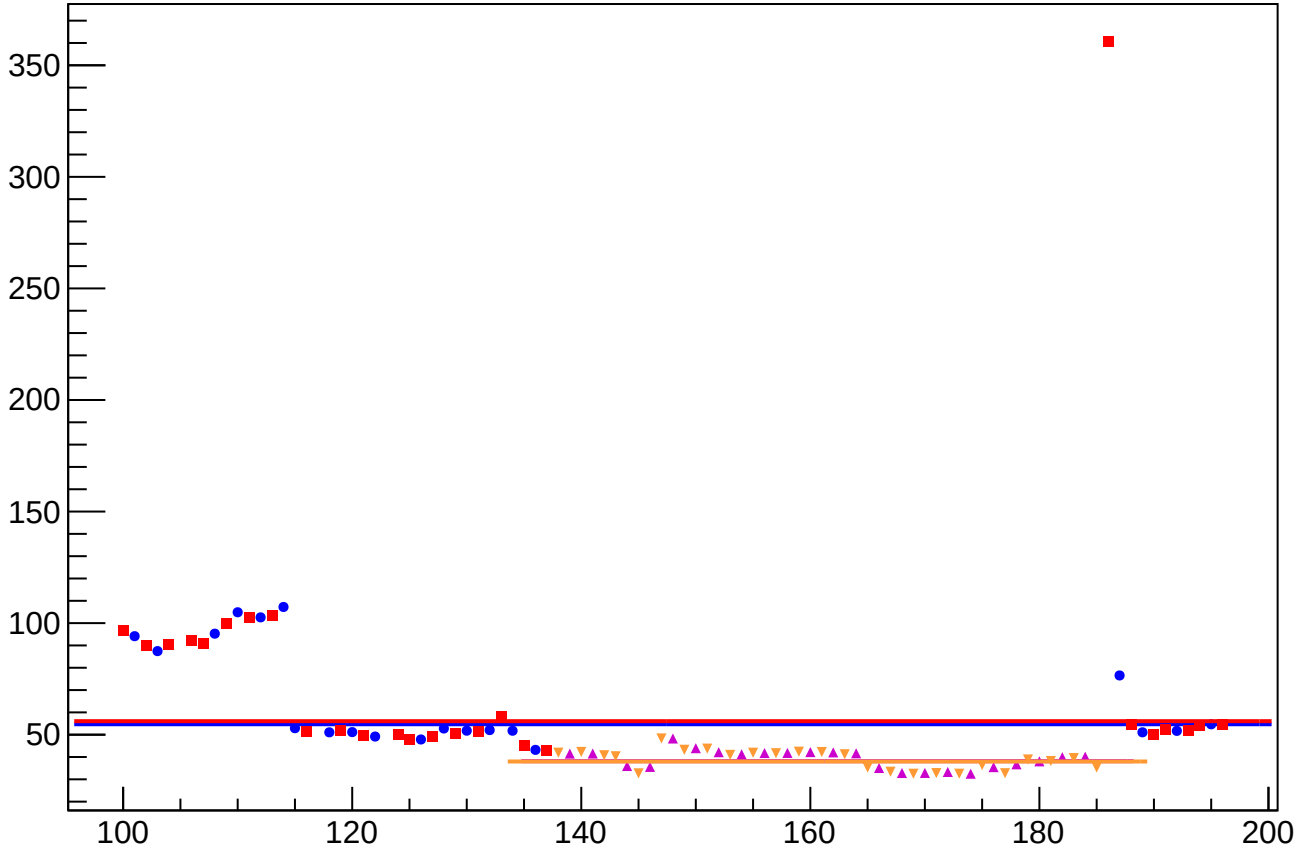
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.119+/-7.838 χ^2/NDF: 82.6/44

All: 8.815+/-5.576 χ^2/NDF: 150.4/93

- sign -2.762+/-7.933 χ^2/NDF: 63.6/48

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.9/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

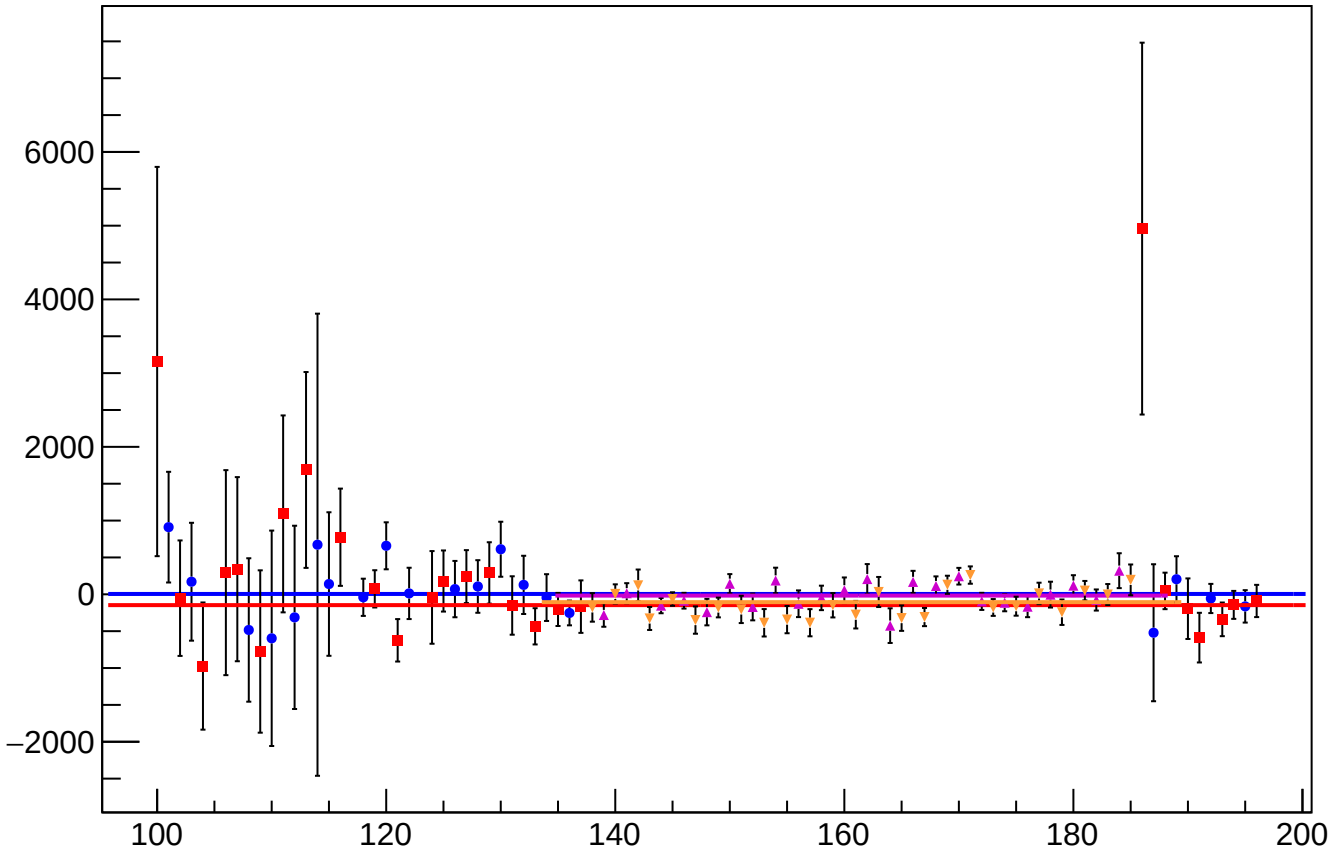
Right Out: 56.056+/-0.012 χ^2/NDF: 1890030.7/25

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.2/44

All: 41.584+/-0.004 χ^2/NDF: 7170926.2/93

- sign 42.052+/-0.006 χ^2/NDF: 4062745.7/48



Right In: 4.768+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -146.725+/-69.344 χ^2/NDF: 22.9/25

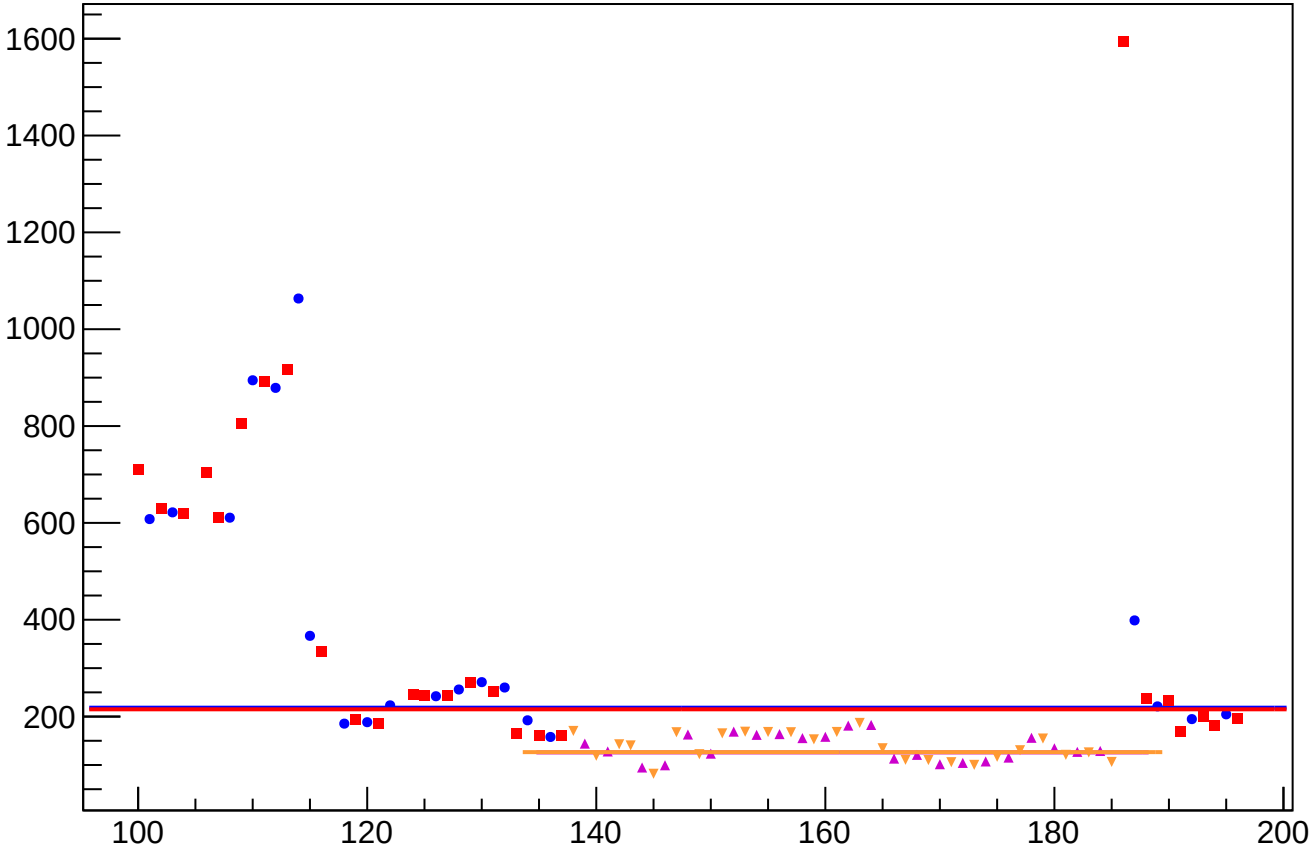
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -91.971+/-27.565 χ^2/NDF: 52.4/44

All: -65.144+/-19.531 χ^2/NDF: 108.4/93

\- sign -38.100+/-27.677 χ^2/NDF: 54.0/48

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 218.353+/-0.054 χ^2/NDF: 3087109.8/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 214.995+/-0.049 χ^2/NDF: 4340165.2/25

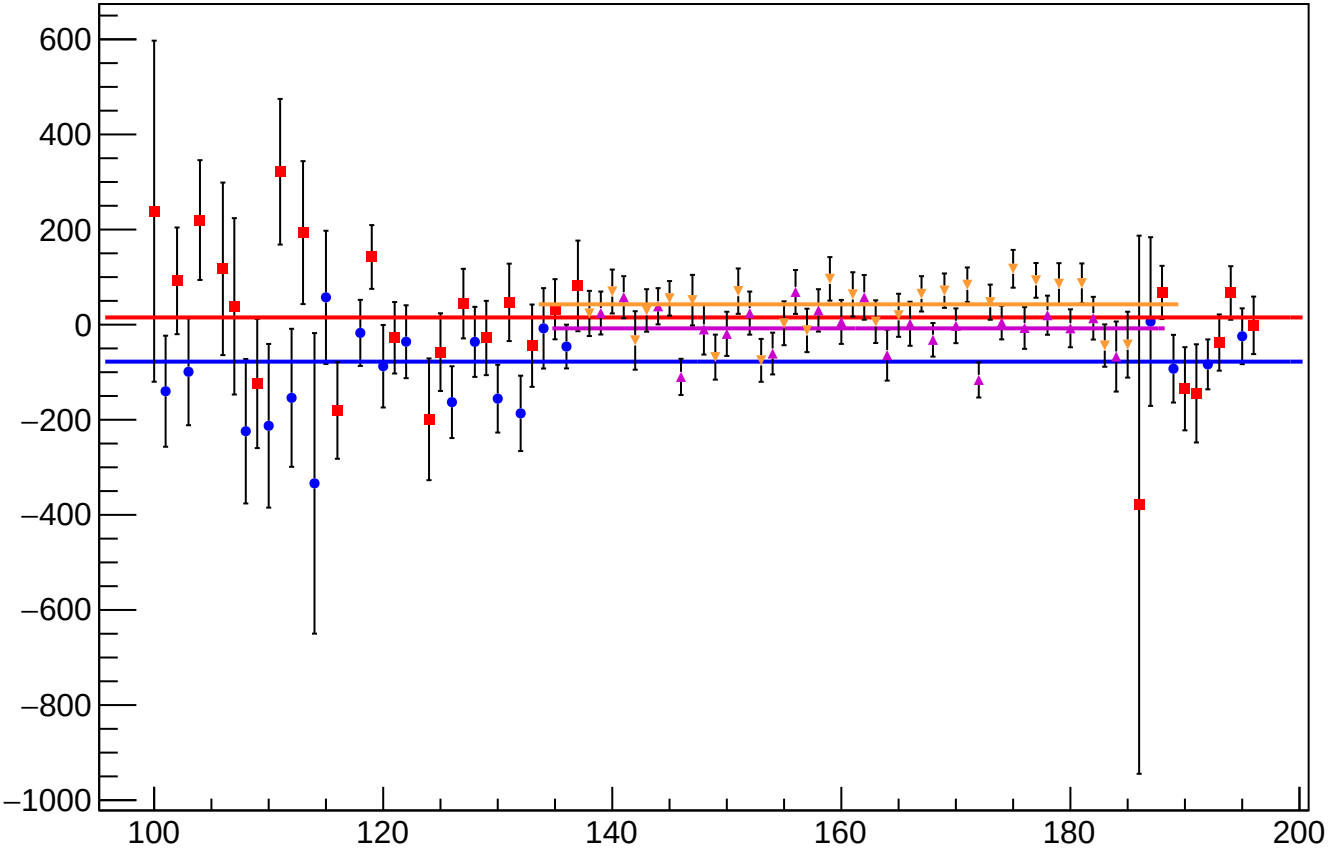
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363748.5/44

All: 139.366+/-0.014 χ^2/NDF: 15886632.1/93

- sign 140.188+/-0.020 χ^2/NDF: 8519369.7/48

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -77.760+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.183+/-16.964 χ^2/NDF: 31.6/25

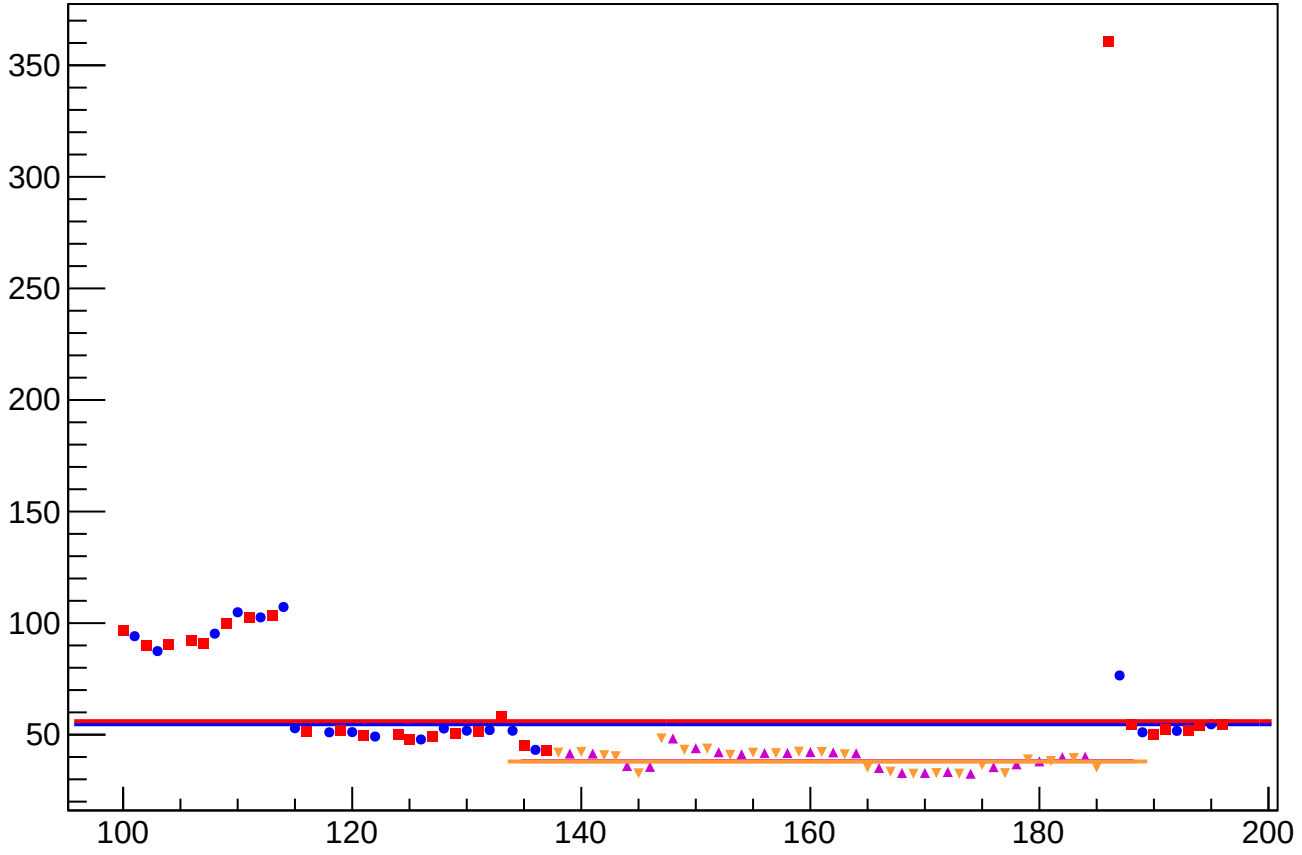
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.119+/-7.838 χ^2/NDF: 82.6/44

All: 8.815+/-5.576 χ^2/NDF: 150.4/93

- sign -2.762+/-7.933 χ^2/NDF: 63.6/48

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.9/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

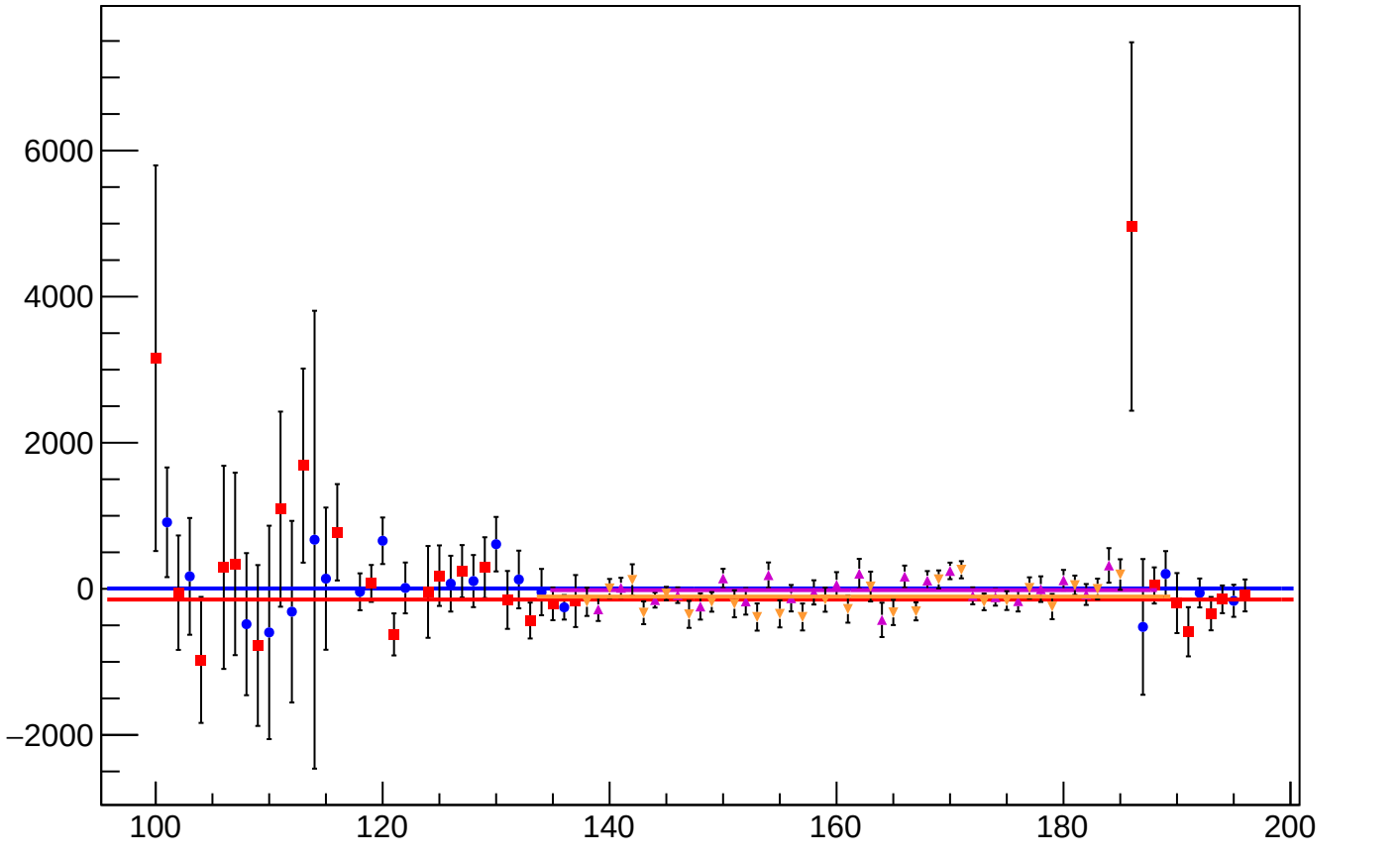
Right Out: 56.056+/-0.012 χ^2/NDF: 1890030.7/25

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.2/44

All: 41.584+/-0.004 χ^2/NDF: 7170926.2/93

- sign 42.052+/-0.006 χ^2/NDF: 4062745.7/48



Right In: 4.768+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

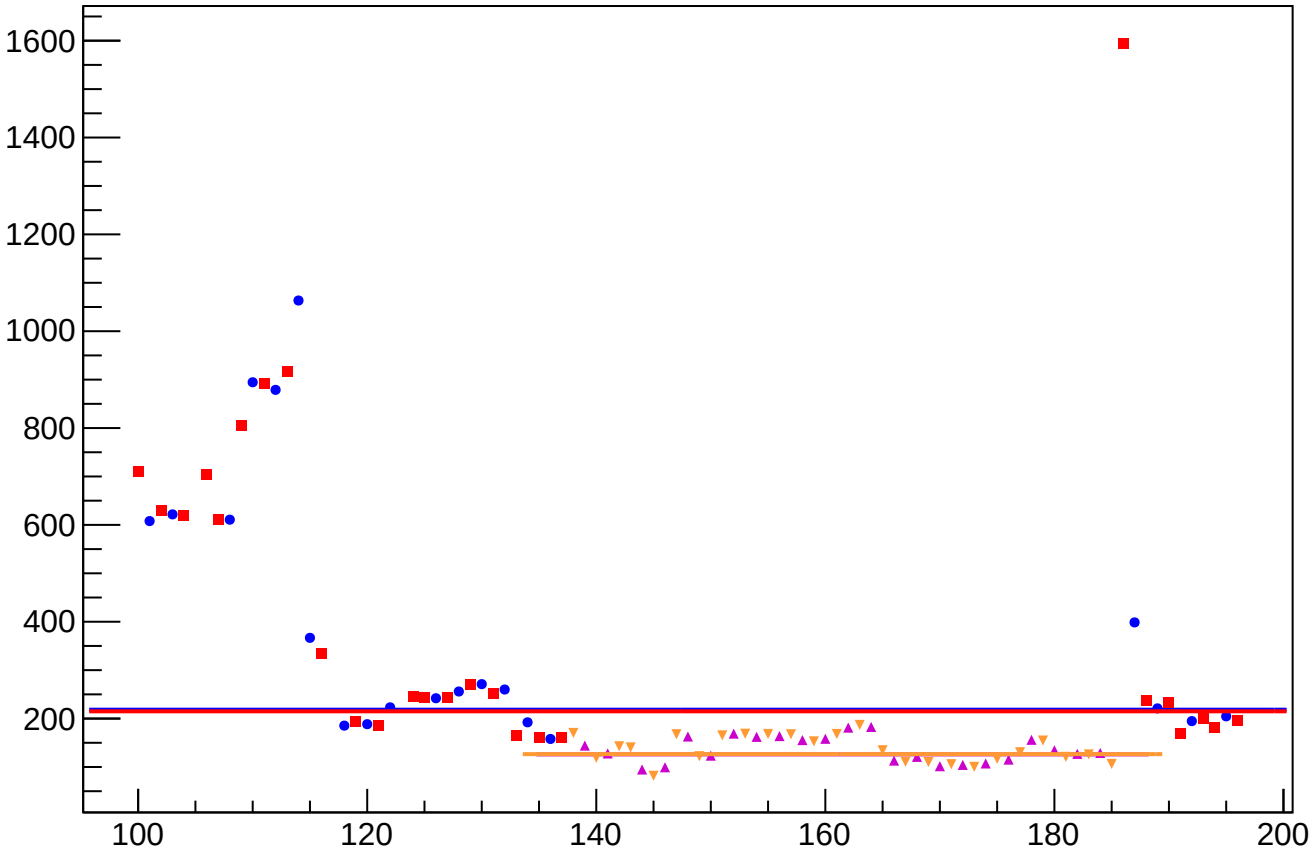
Right Out: -146.725+/-69.344 χ^2/NDF: 22.9/25

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -91.971+/-27.565 χ^2/NDF: 52.4/44

All: -65.144+/-19.531 χ^2/NDF: 108.4/93

\- sign -38.100+/-27.677 χ^2/NDF: 54.0/48



Right In: 218.353+/-0.054 χ^2/NDF: 3087109.8/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 214.995+/-0.049 χ^2/NDF: 4340165.2/25

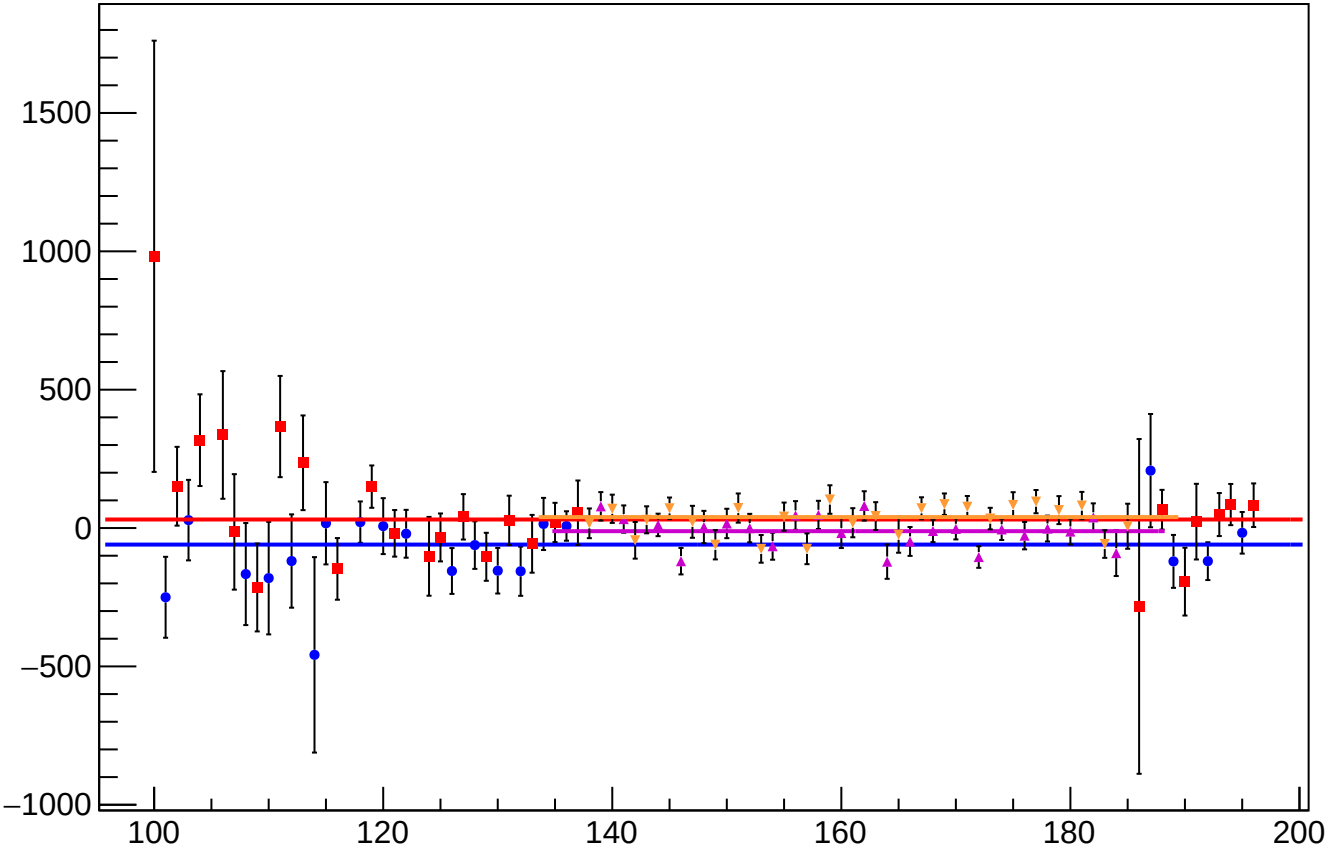
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363748.5/44

All: 139.366+/-0.014 χ^2/NDF: 15886632.1/93

- sign 140.188+/-0.020 χ^2/NDF: 8519369.7/48

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -59.758+/-21.360 χ^2/NDF: 15.5/19

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.882+/-20.396 χ^2/NDF: 29.1/25

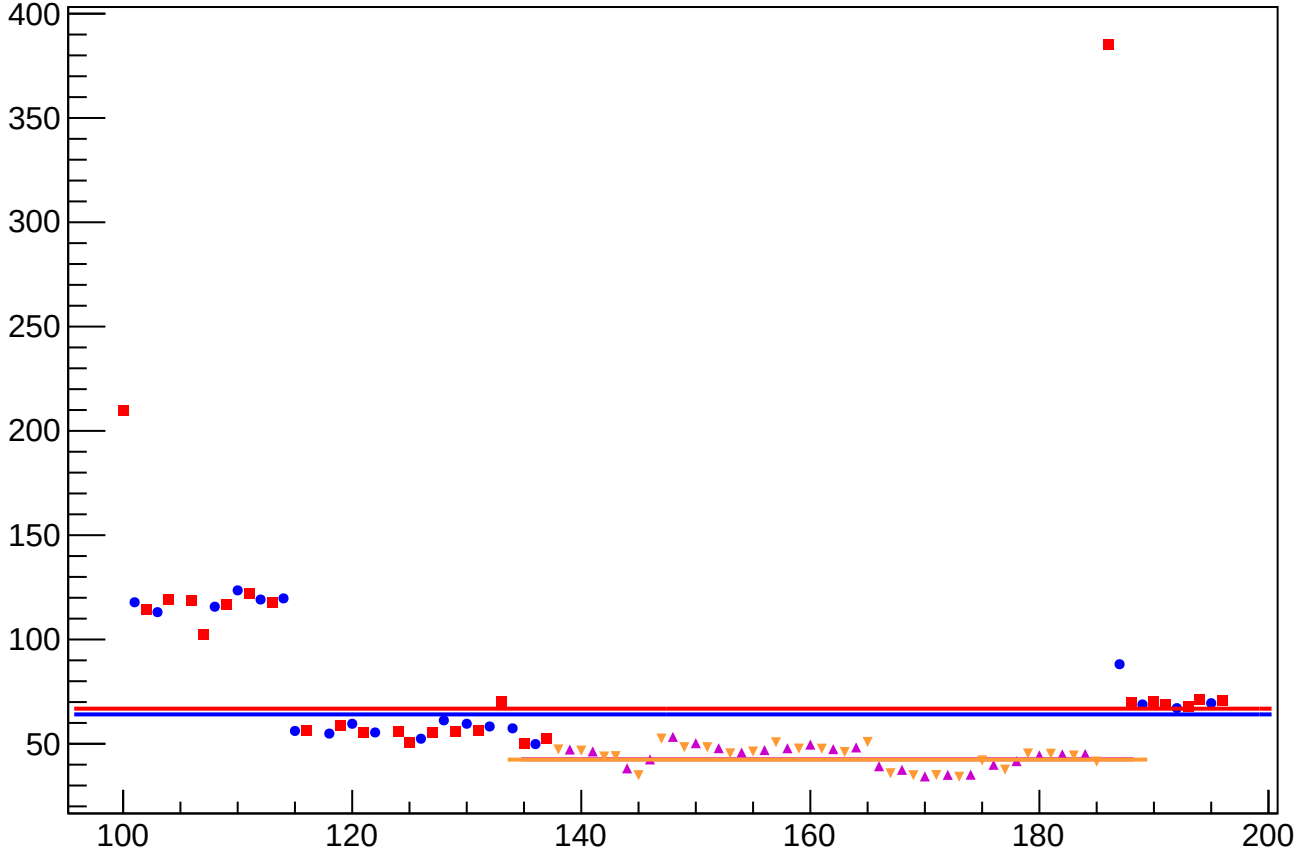
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.451+/-8.866 χ^2/NDF: 63.0/44

All: 9.951+/-6.328 χ^2/NDF: 127.4/93

- sign -3.028+/-9.034 χ^2/NDF: 60.4/48

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.088+/-0.015 χ^2/NDF: 1403590.7/19

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 66.835+/-0.014 χ^2/NDF: 2176964.3/25

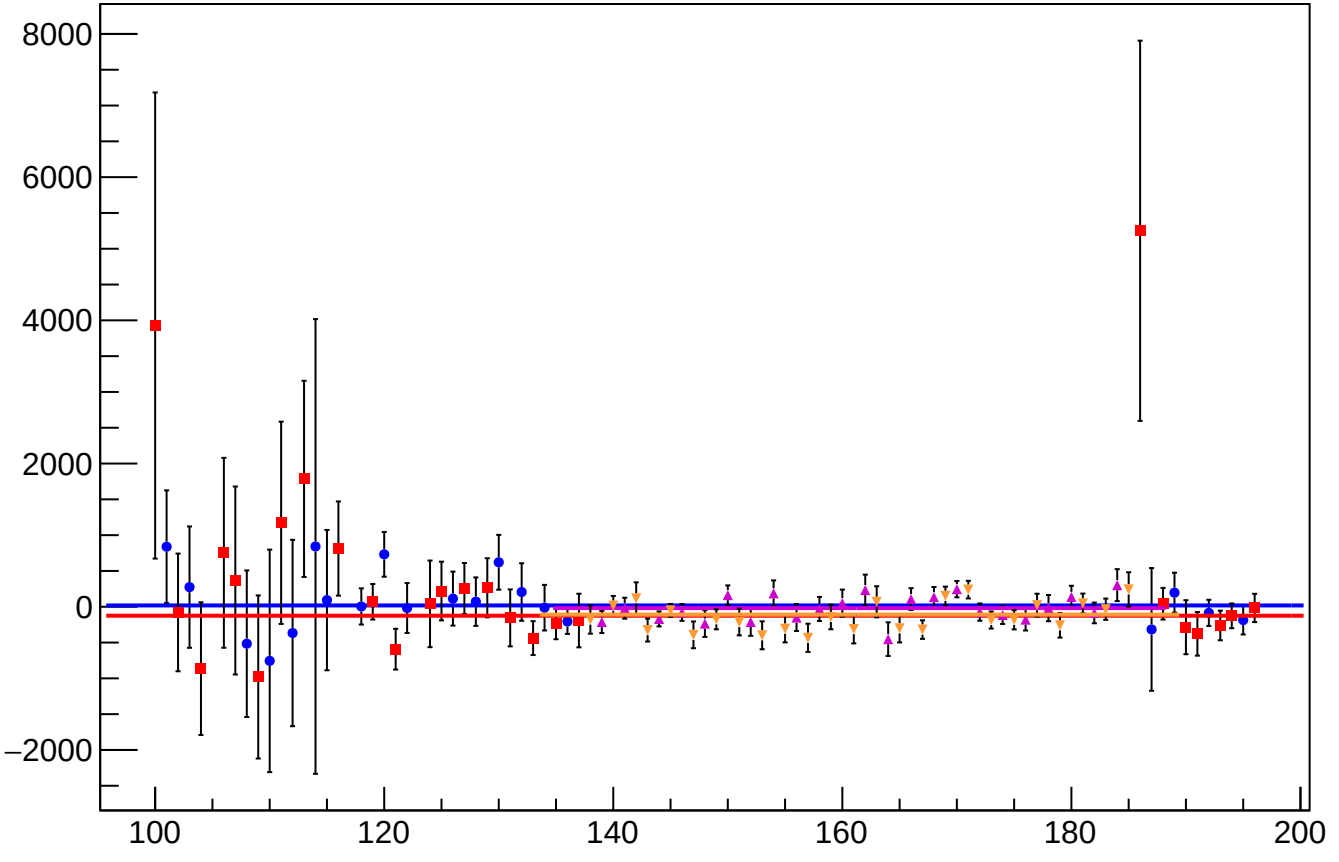
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.158+/-0.006 χ^2/NDF: 3804809.7/44

All: 46.737+/-0.004 χ^2/NDF: 8862862.5/93

- sign 47.338+/-0.006 χ^2/NDF: 5040663.5/48

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 18.258+/-74.376 χ^2/NDF: 13.5/19

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -125.171+/-65.593 χ^2/NDF: 22.6/25

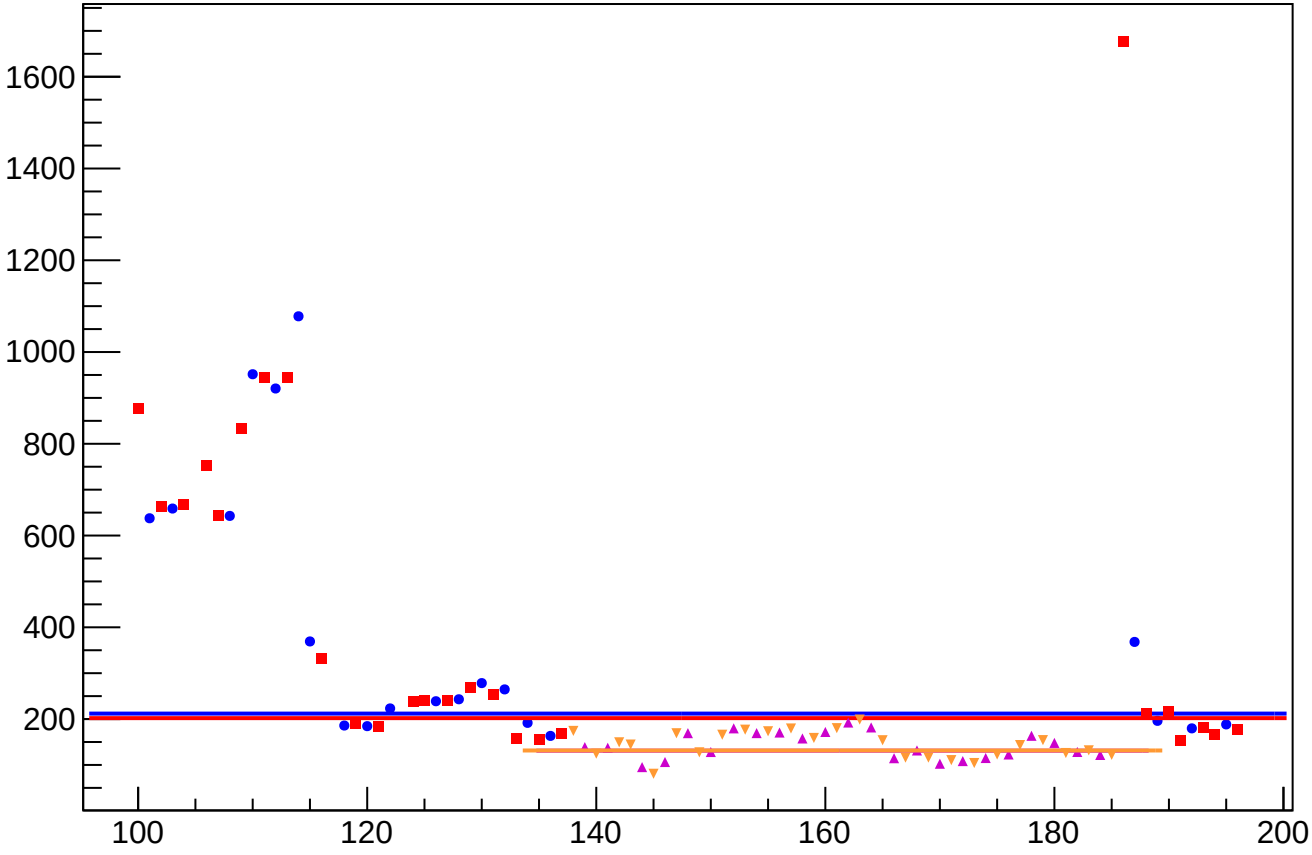
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -91.156+/-28.424 χ^2/NDF: 52.3/44

All: -64.907+/-20.083 χ^2/NDF: 105.9/93

- sign -38.741+/-28.378 χ^2/NDF: 52.0/48

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 211.909+/-0.053 χ^2/NDF: 3230419.0/19

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.021+/-0.046 χ^2/NDF: 4754084.1/25

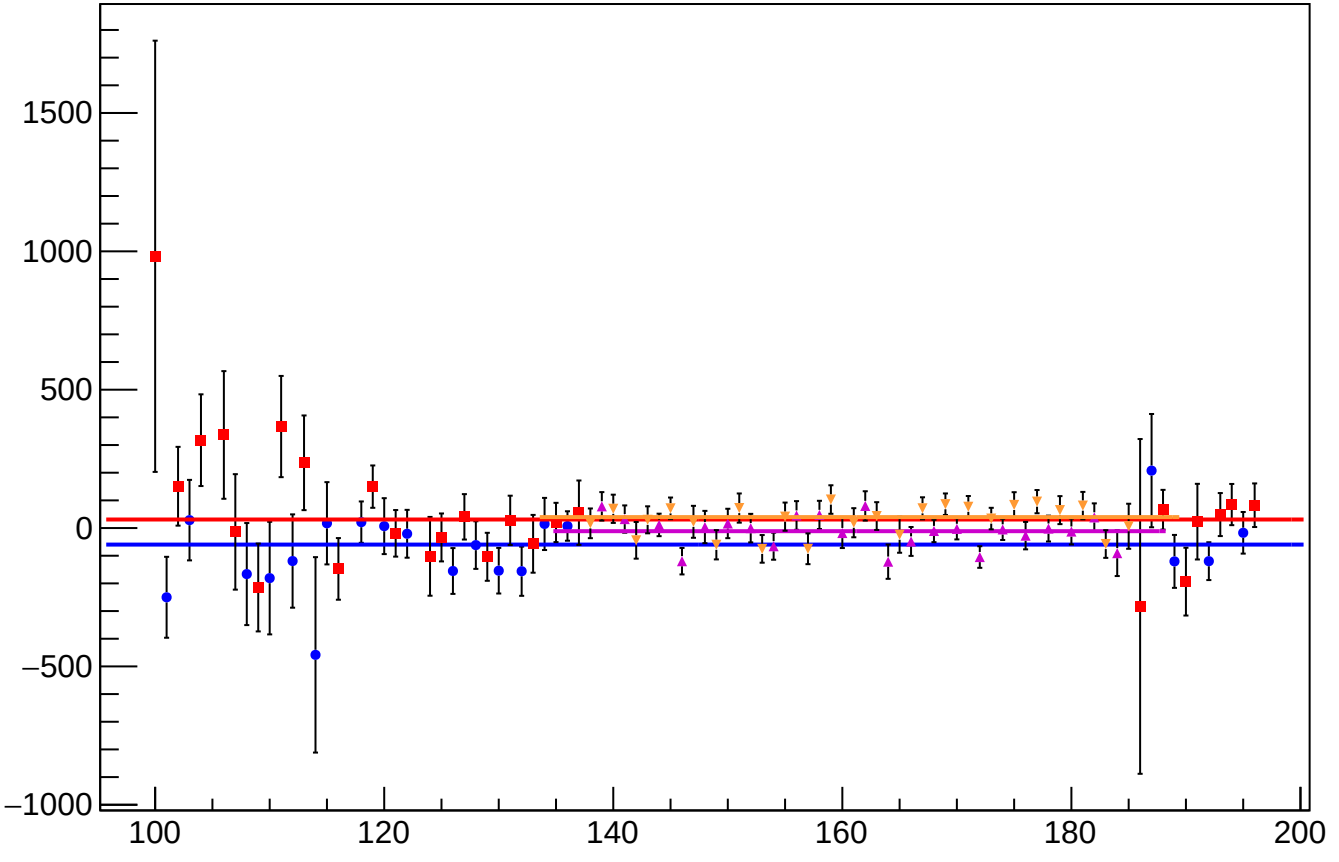
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 143.257+/-0.020 χ^2/NDF: 7128835.1/44

All: 143.806+/-0.014 χ^2/NDF: 15254119.9/93

- sign 144.354+/-0.020 χ^2/NDF: 8123792.6/48

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -59.759+/-21.360 χ^2/NDF: 15.5/19

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.883+/-20.396 χ^2/NDF: 29.1/25

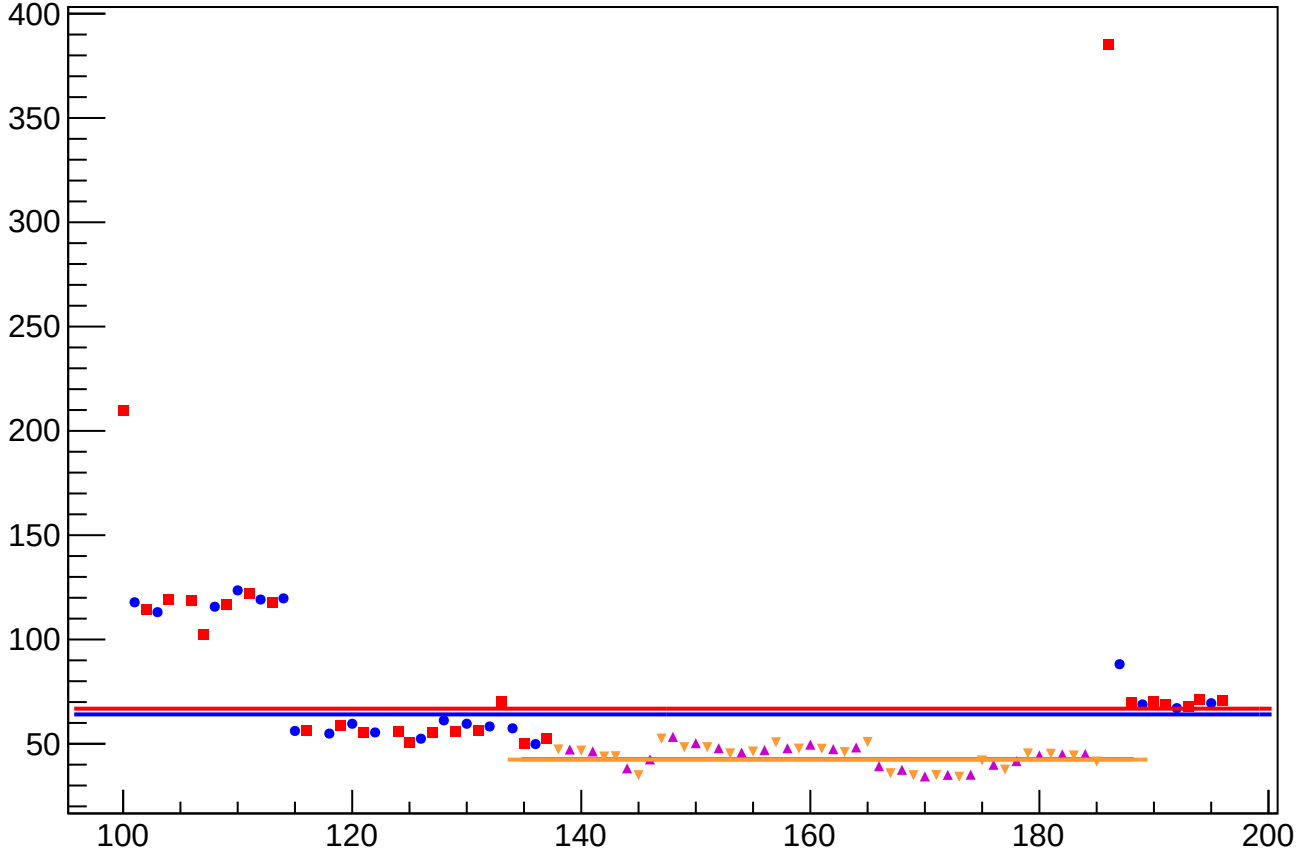
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.452+/-8.866 χ^2/NDF: 63.0/44

All: 9.952+/-6.328 χ^2/NDF: 127.4/93

- sign -3.028+/-9.035 χ^2/NDF: 60.4/48

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.087+/-0.015 χ^2/NDF: 1403585.4/19

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 66.836+/-0.014 χ^2/NDF: 2176958.2/25

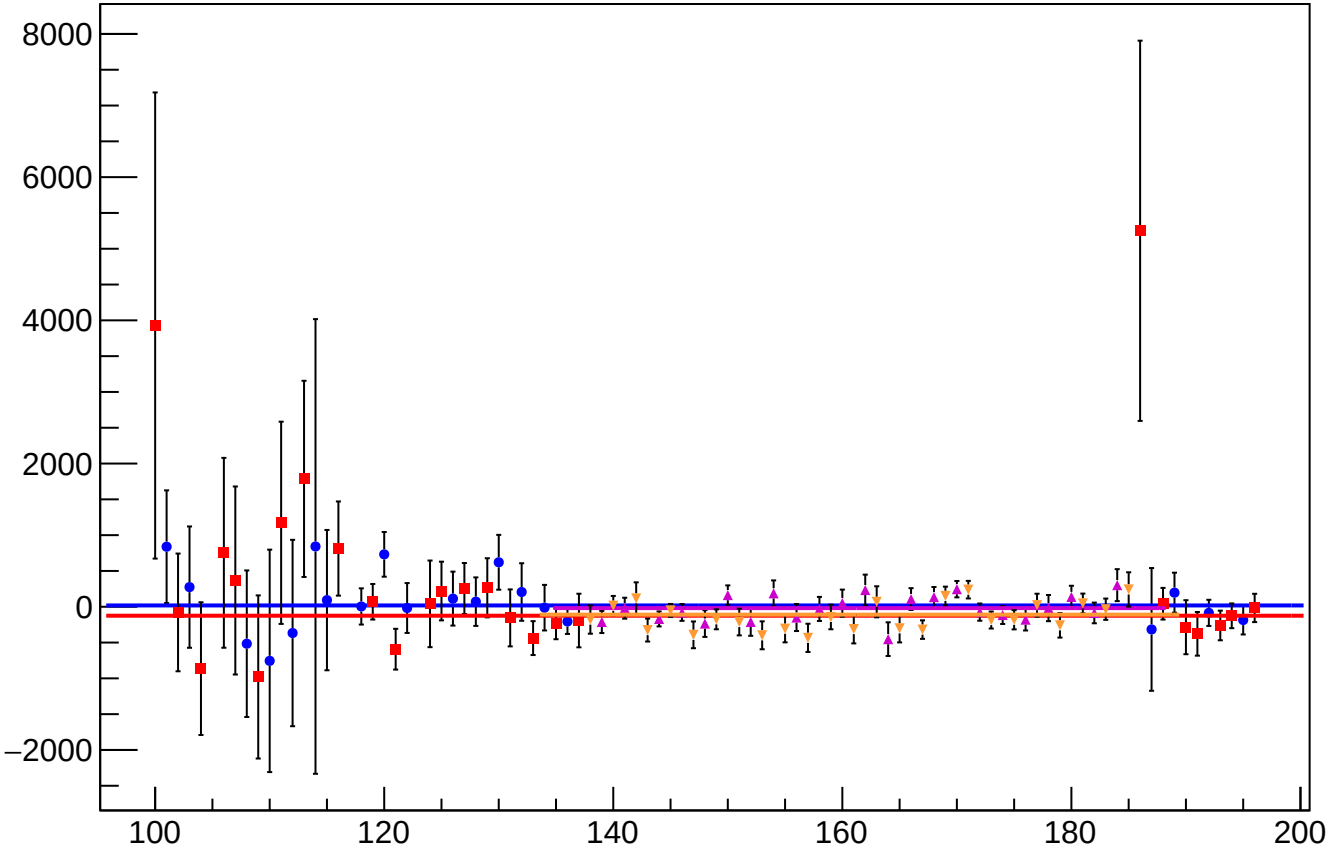
Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.158+/-0.006 χ^2/NDF: 3804796.2/44

All: 46.737+/-0.004 χ^2/NDF: 8862838.3/93

- sign 47.339+/-0.006 χ^2/NDF: 5040649.7/48

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: 18.259+/-74.375 χ^2/NDF: 13.5/19

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -125.169+/-65.592 χ^2/NDF: 22.6/25

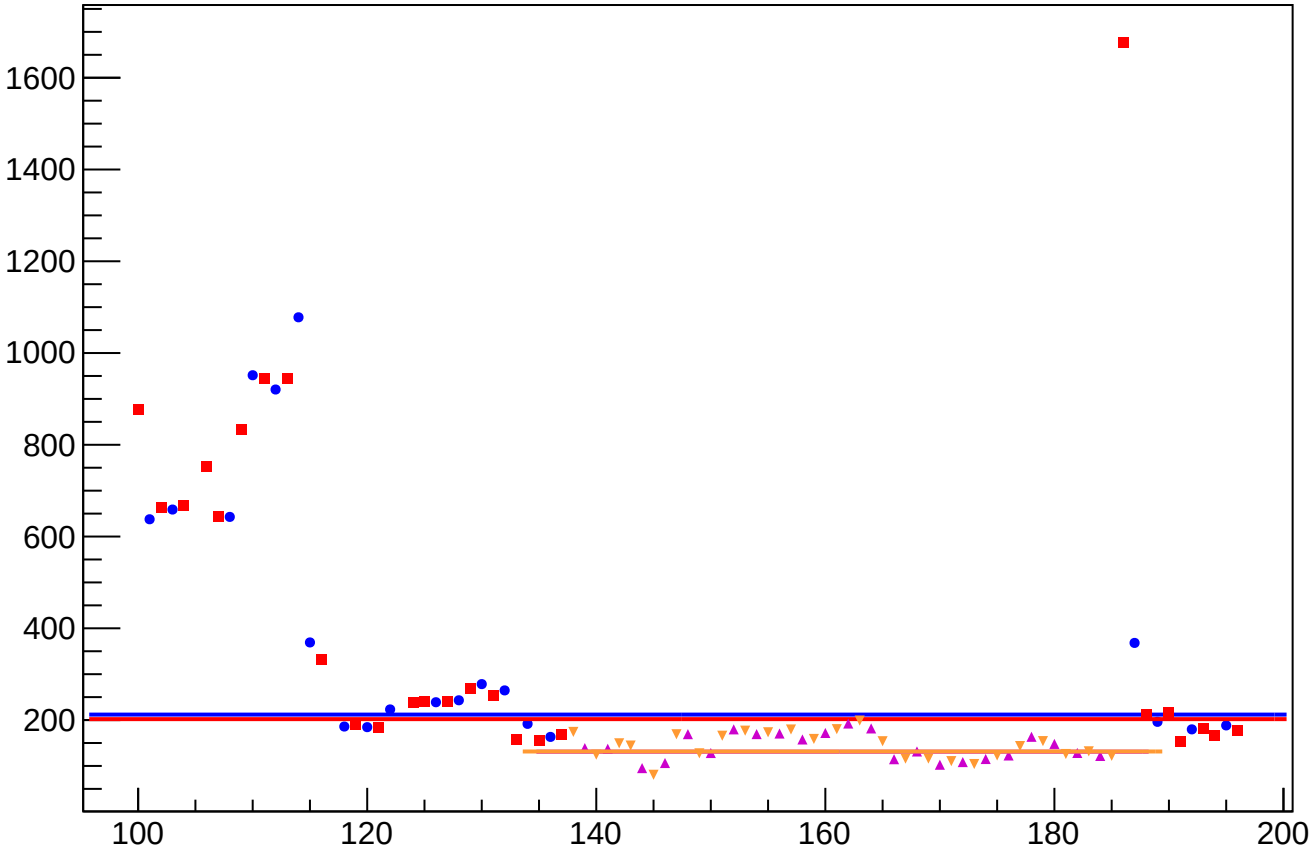
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -91.156+/-28.424 χ^2/NDF: 52.3/44

All: -64.906+/-20.083 χ^2/NDF: 105.9/93

- sign -38.741+/-28.378 χ^2/NDF: 52.0/48

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 211.908+/-0.053 χ^2/NDF: 3230412.0/19

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.021+/-0.046 χ^2/NDF: 4754084.0/25

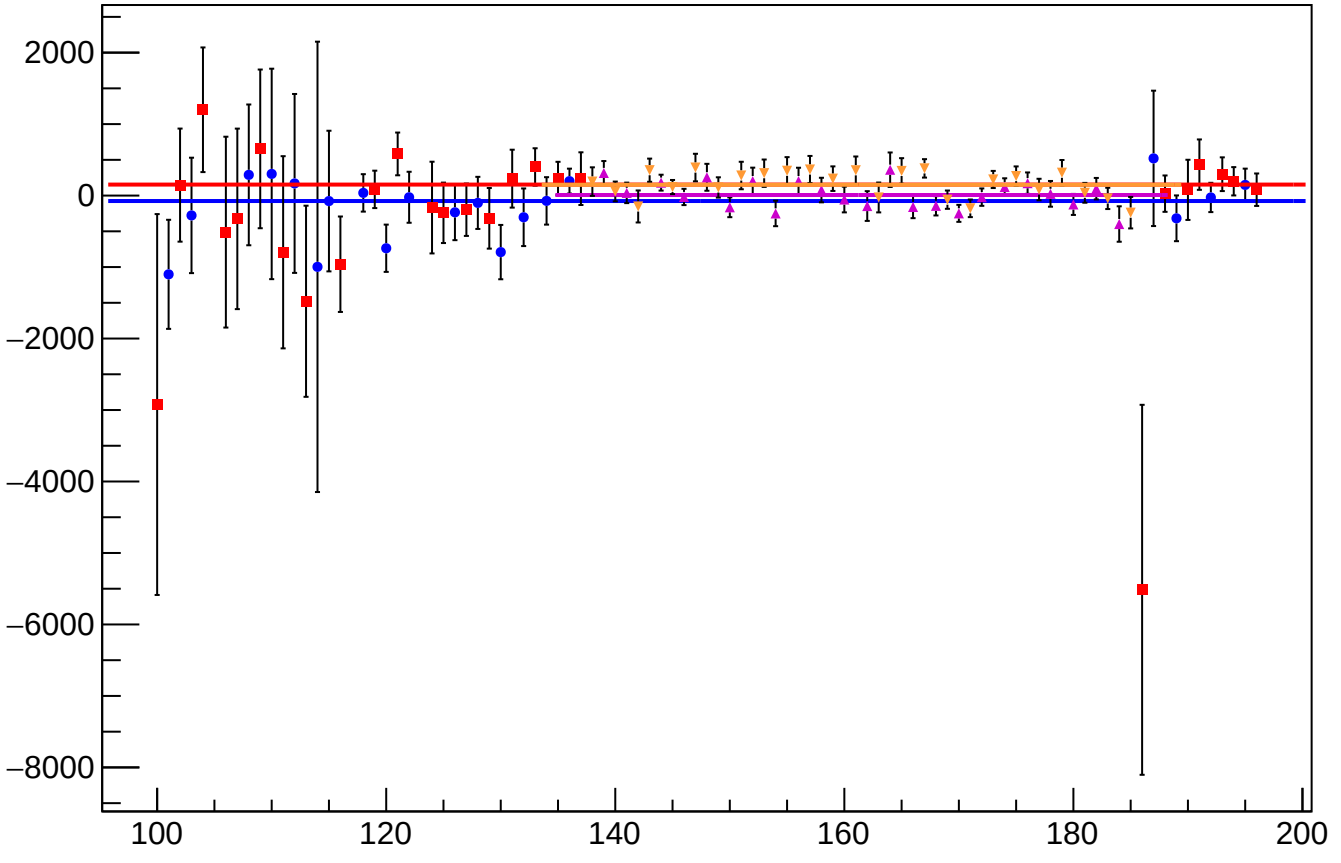
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 143.257+/-0.020 χ^2/NDF: 7128793.5/44

All: 143.806+/-0.014 χ^2/NDF: 15254052.4/93

- sign 144.354+/-0.020 χ^2/NDF: 8123766.8/48

asym_sam_37_26_dd_mean vs Slug



Right In: -76.174+/-78.755 χ^2/NDF: 15.0/19

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 153.862+/-71.827 χ^2/NDF: 20.9/25

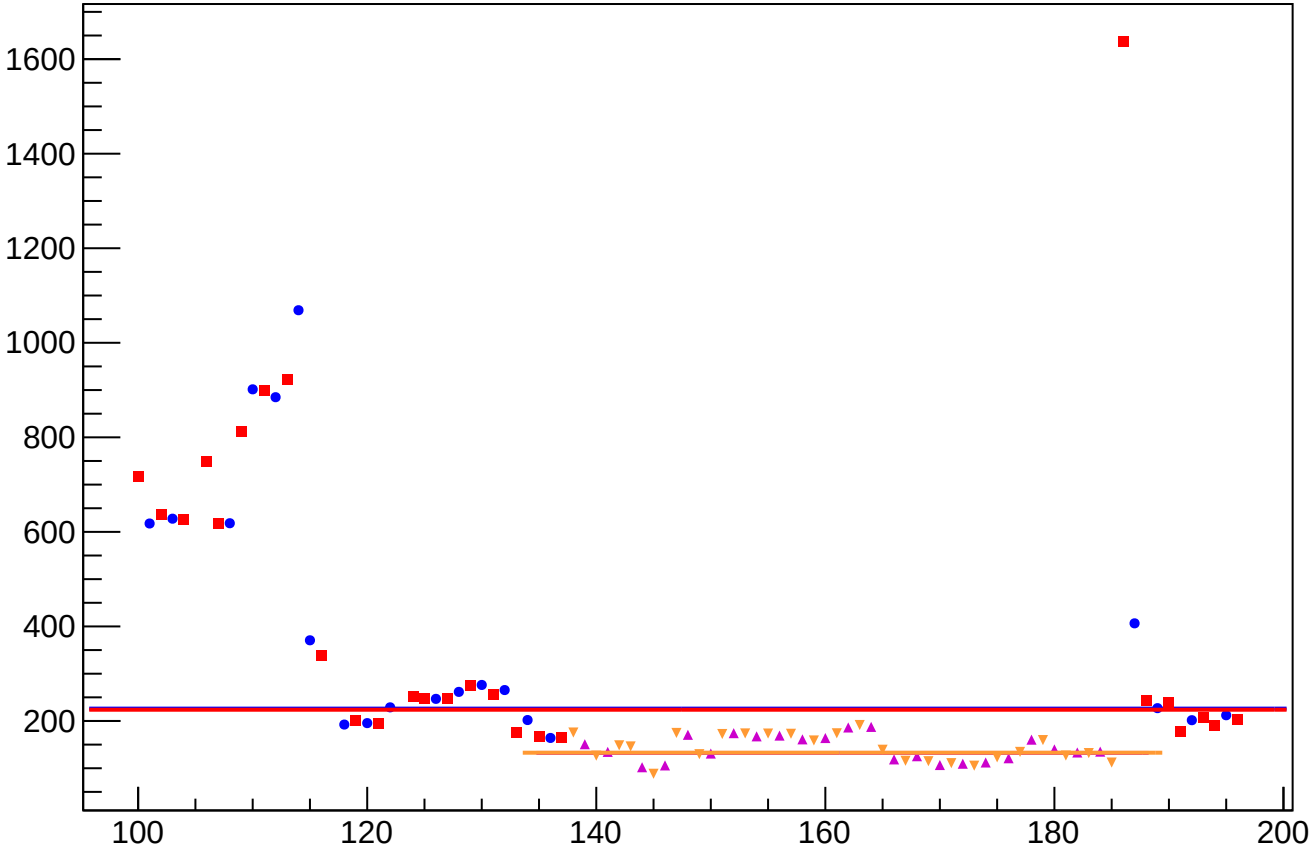
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 120.699+/-28.807 χ^2/NDF: 55.3/44

All: 76.372+/-20.417 χ^2/NDF: 113.9/93

- sign 31.631+/-28.941 χ^2/NDF: 53.8/48

asym_sam_37_26_dd_rms vs Slug



Right In: 226.127+/-0.056 χ^2/NDF: 3001854.0/19

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

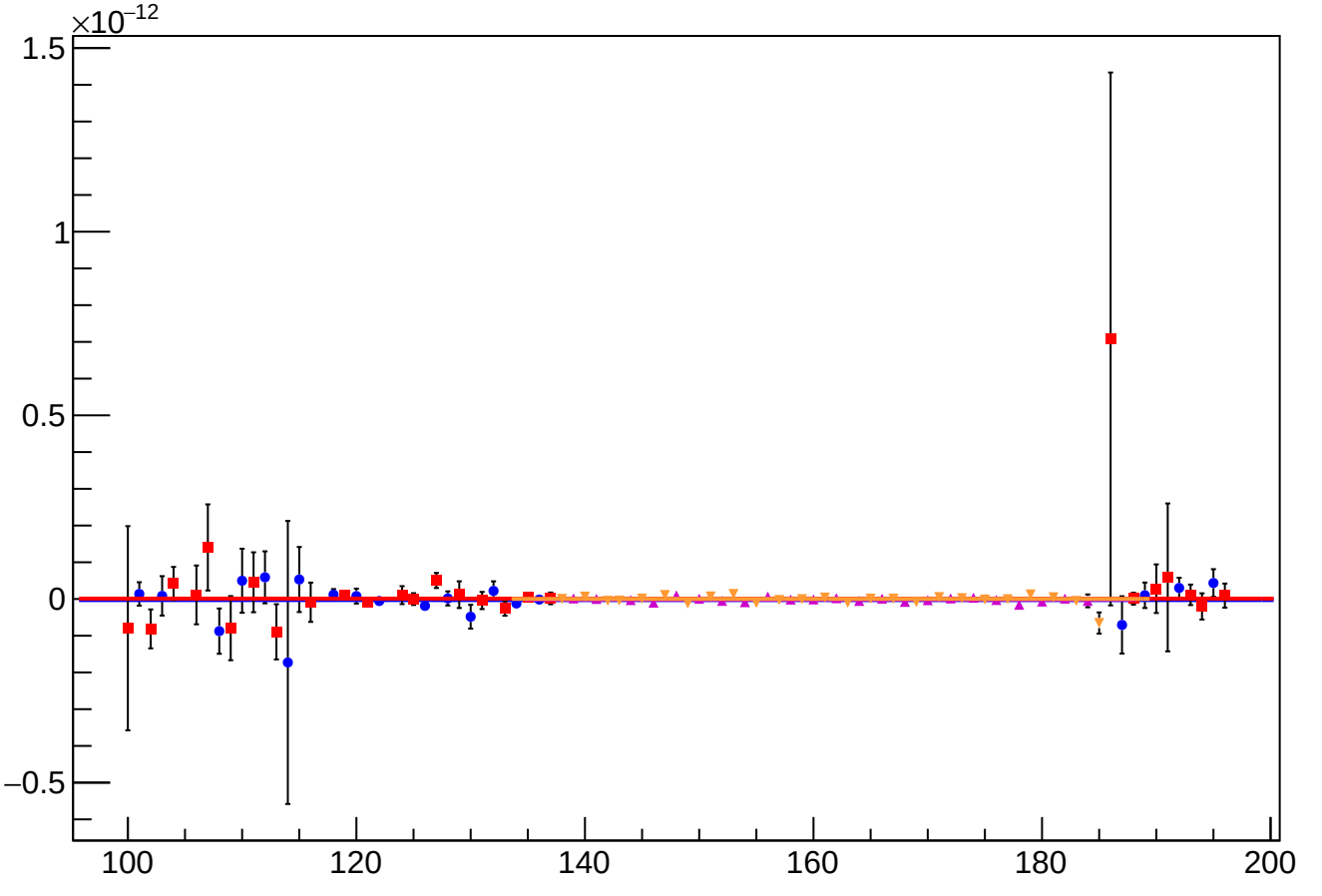
Right Out: 223.806+/-0.051 χ^2/NDF: 4283222.2/25

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 145.352+/-0.020 χ^2/NDF: 7023029.4/44

All: 146.267+/-0.014 χ^2/NDF: 15304671.5/93

- sign 147.191+/-0.020 χ^2/NDF: 8277586.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

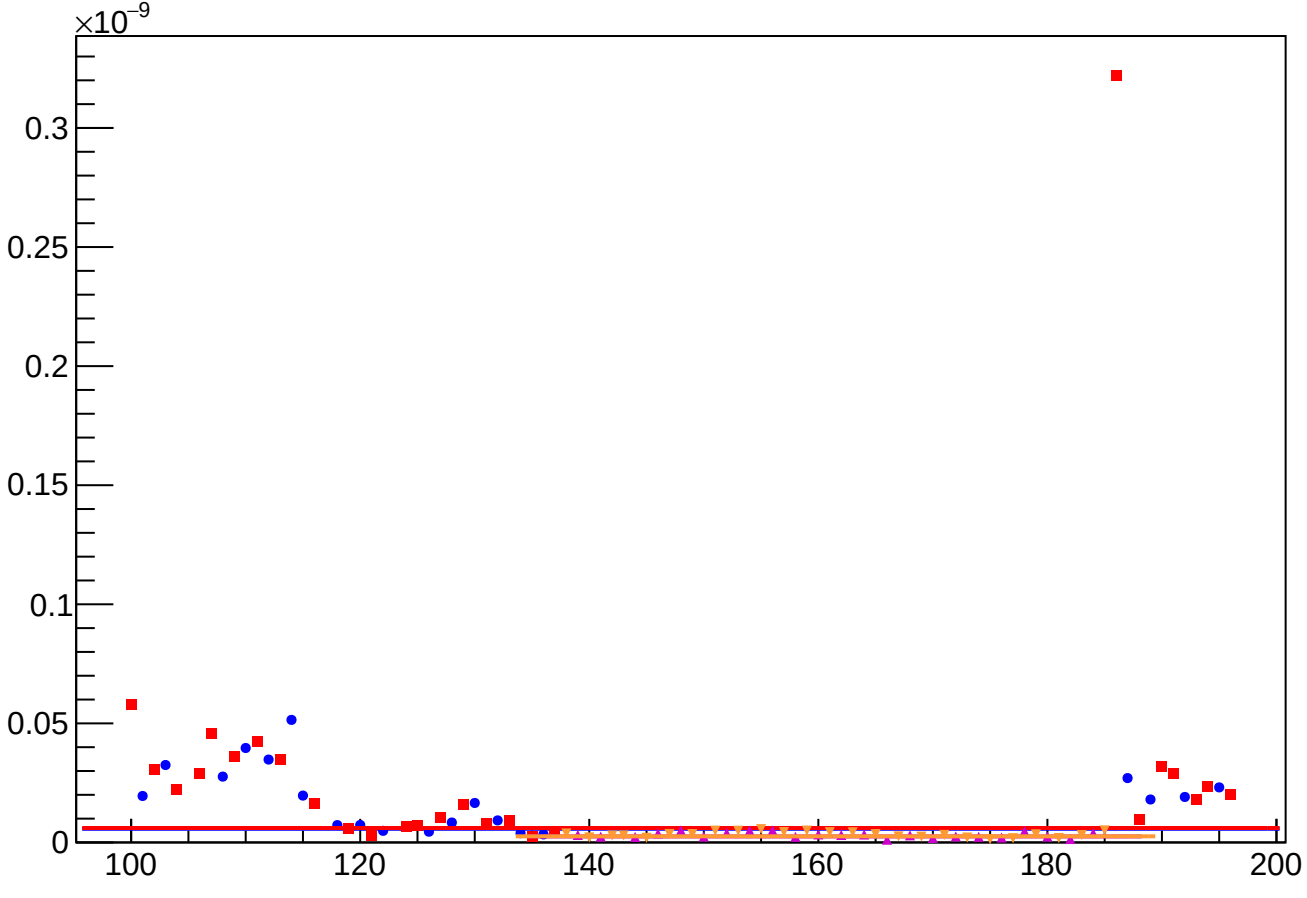
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/25

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/44

All: -0.000+/-0.000 χ^2/NDF: 84.1/93

- sign -0.000+/-0.000 χ^2/NDF: 35.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3967696.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5360988.3/25

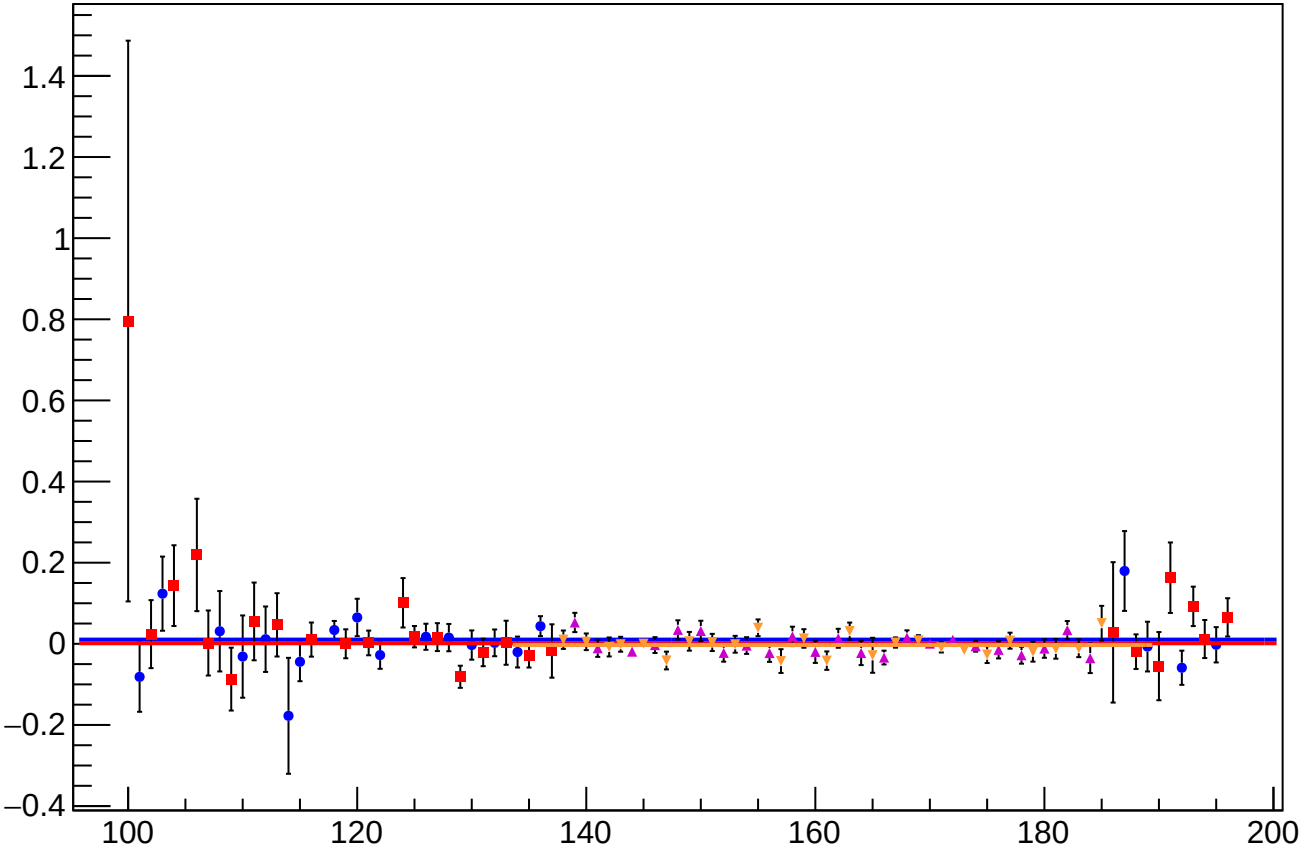
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7577553.8/44

All: 0.000+/-0.000 χ^2/NDF: 16114727.0/93

- sign 0.000+/-0.000 χ^2/NDF: 8536349.2/48

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

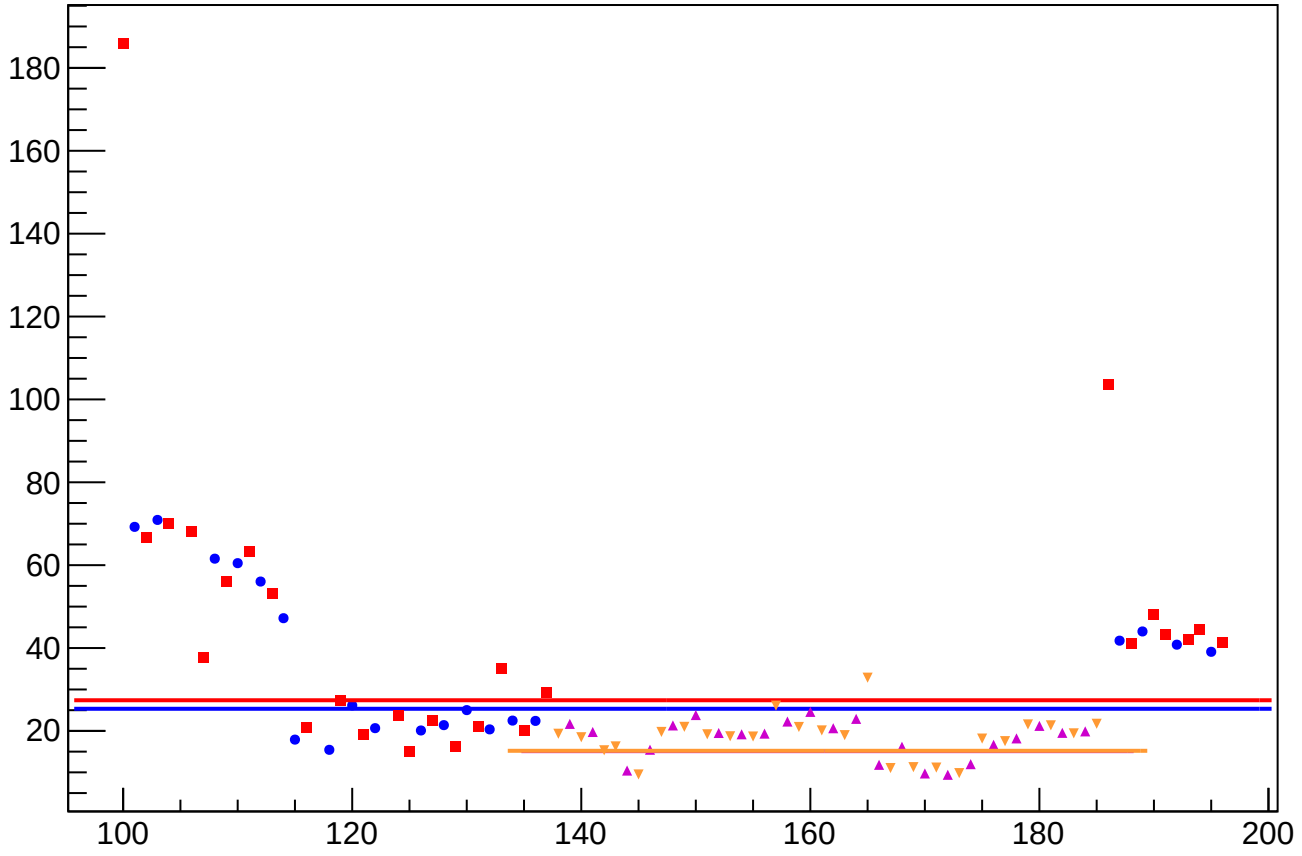
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.001+/-0.002 χ^2/NDF: 101.3/93

- 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: 25.341+/-0.007 χ^2/NDF: 3216701.1/19

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

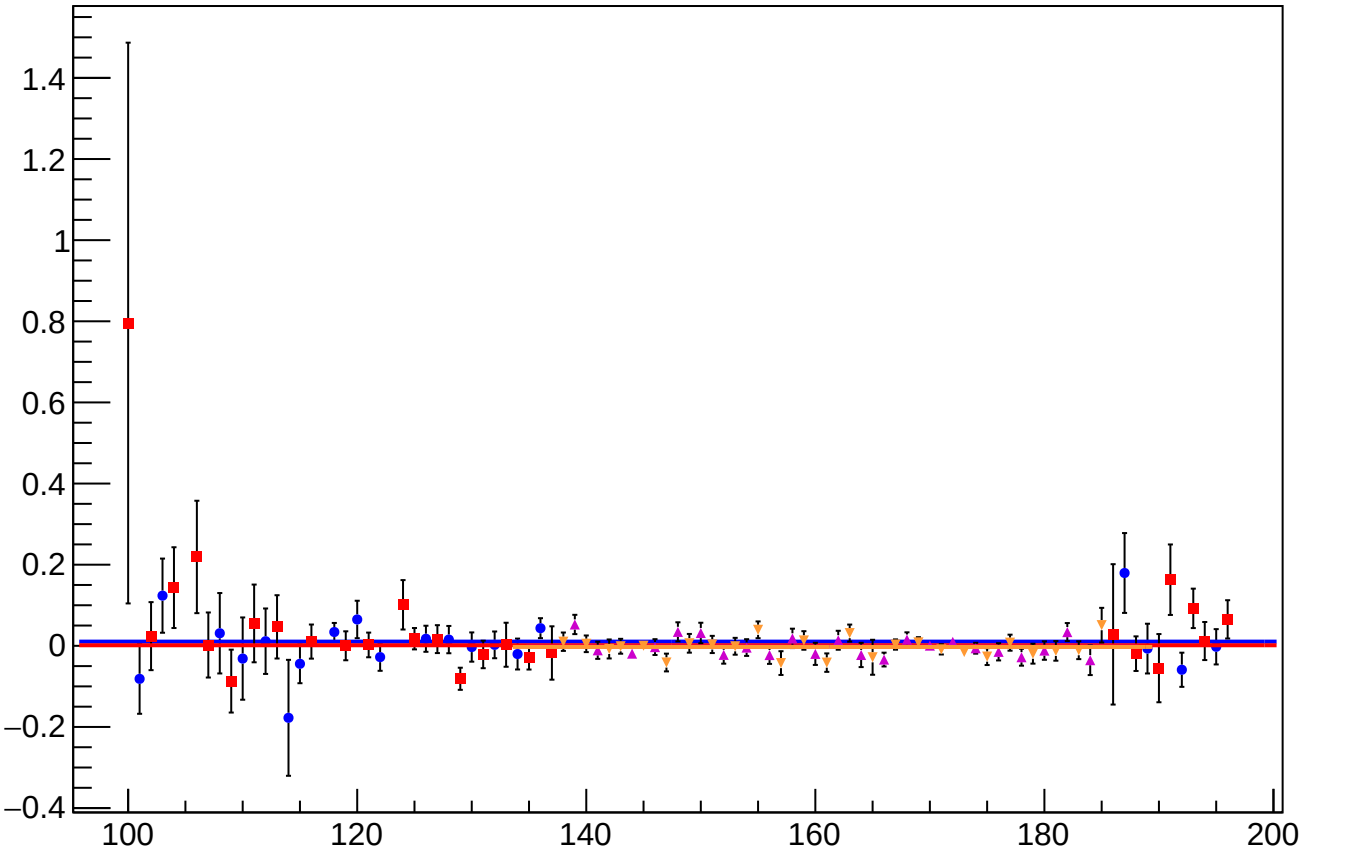
Right Out: 27.400+/-0.006 χ^2/NDF: 4551345.9/25

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742820.7/44

All: 16.781+/-0.002 χ^2/NDF: 19797457.1/93

- sign 16.958+/-0.002 χ^2/NDF: 11044815.3/48



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

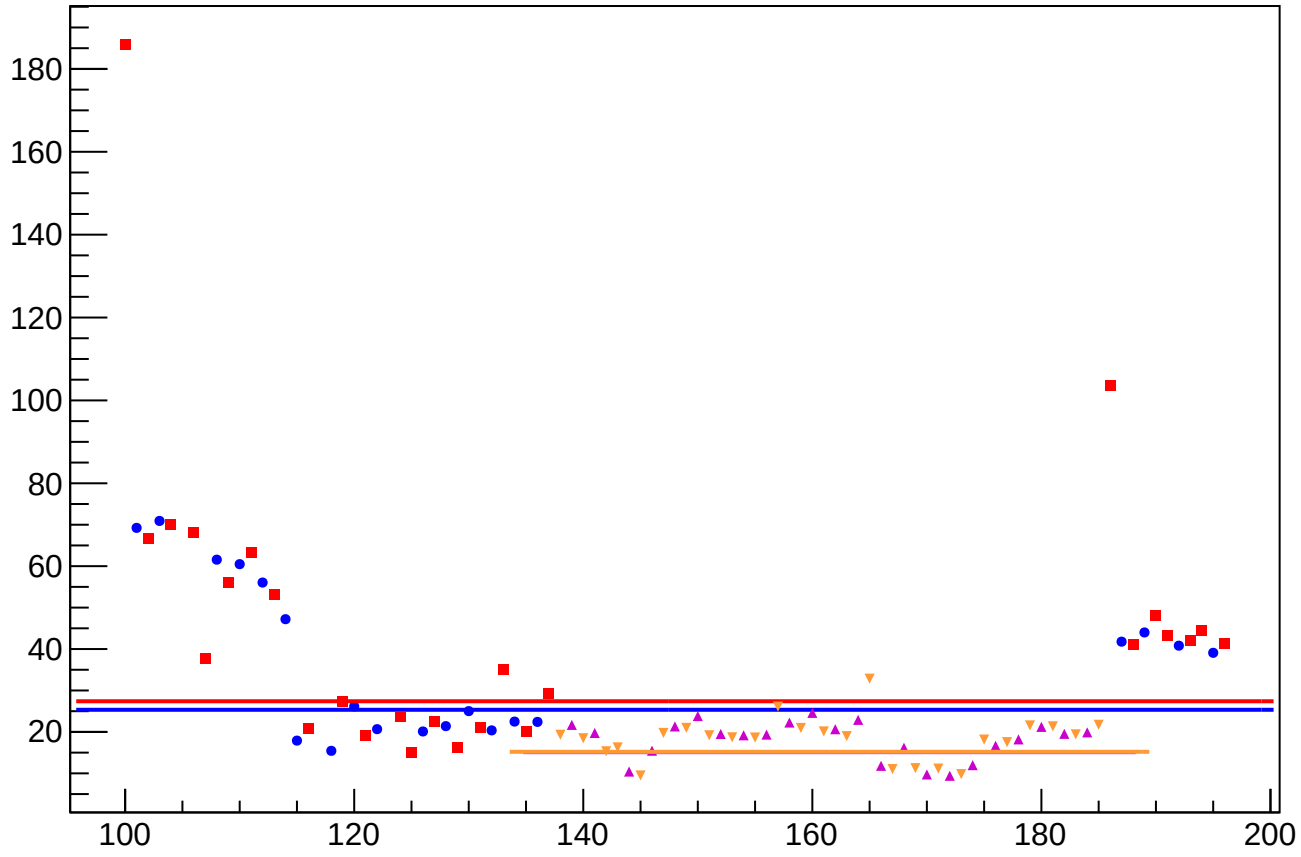
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.001+/-0.002 χ^2/NDF: 101.3/93

- sign -0.002+/-0.004 χ^2/NDF: 58.6/48



Right In: 25.341+/-0.007 χ^2/NDF: 3216701.1/19

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

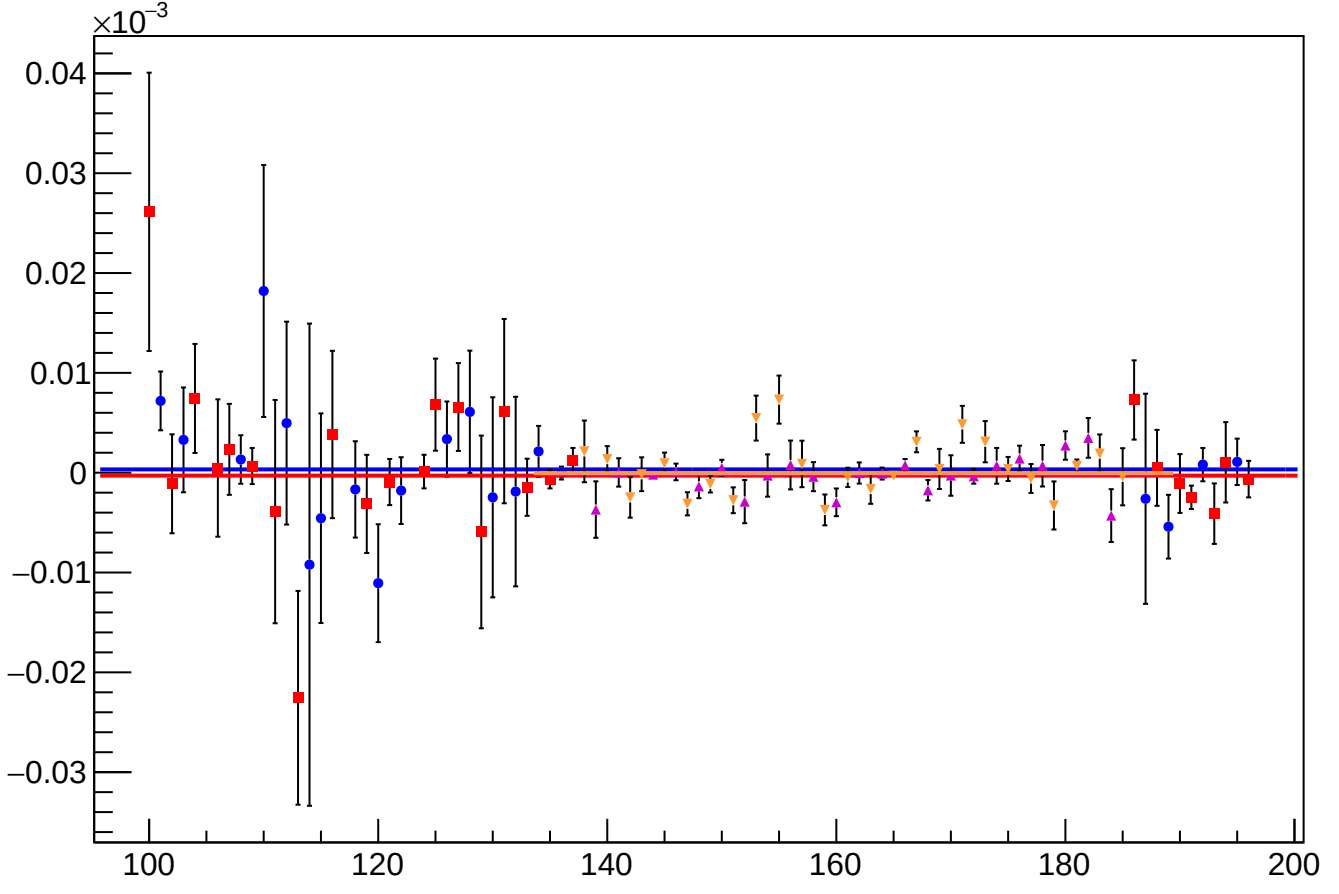
Right Out: 27.400+/-0.006 χ^2/NDF: 4551345.9/25

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742820.7/44

All: 16.781+/-0.002 χ^2/NDF: 19797457.1/93

- sign 16.958+/-0.002 χ^2/NDF: 11044815.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

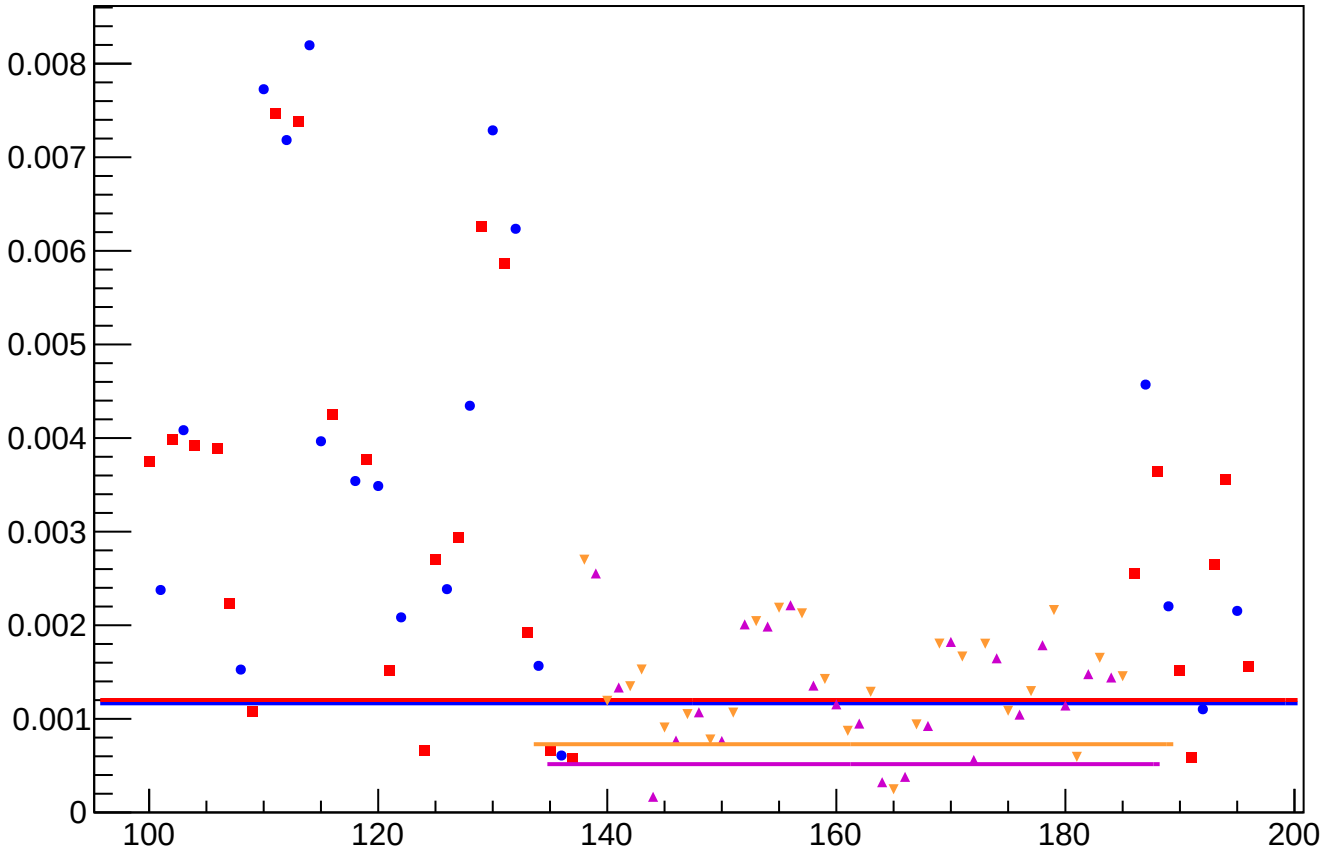
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.1/44

All: -0.000+/-0.000 χ^2/NDF: 135.6/93

- sign -0.000+/-0.000 χ^2/NDF: 53.2/48



Right In: 0.001+/-0.000 χ^2/NDF: 7882910.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

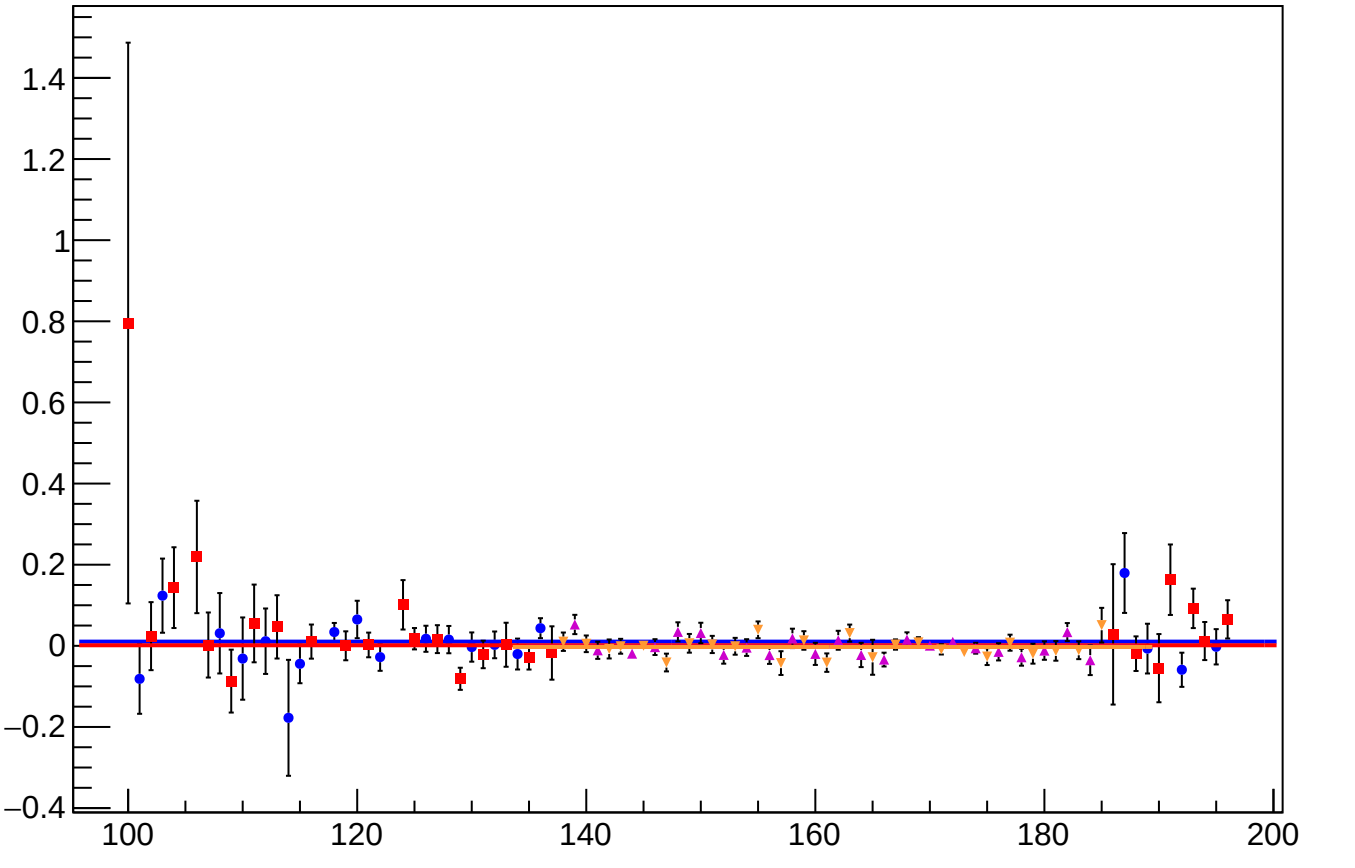
Right Out: 0.001+/-0.000 χ^2/NDF: 9682085.2/25

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 22256129.9/44

All: 0.001+/-0.000 χ^2/NDF: 51853138.5/93

- sign 0.001+/-0.000 χ^2/NDF: 28455731.8/48



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

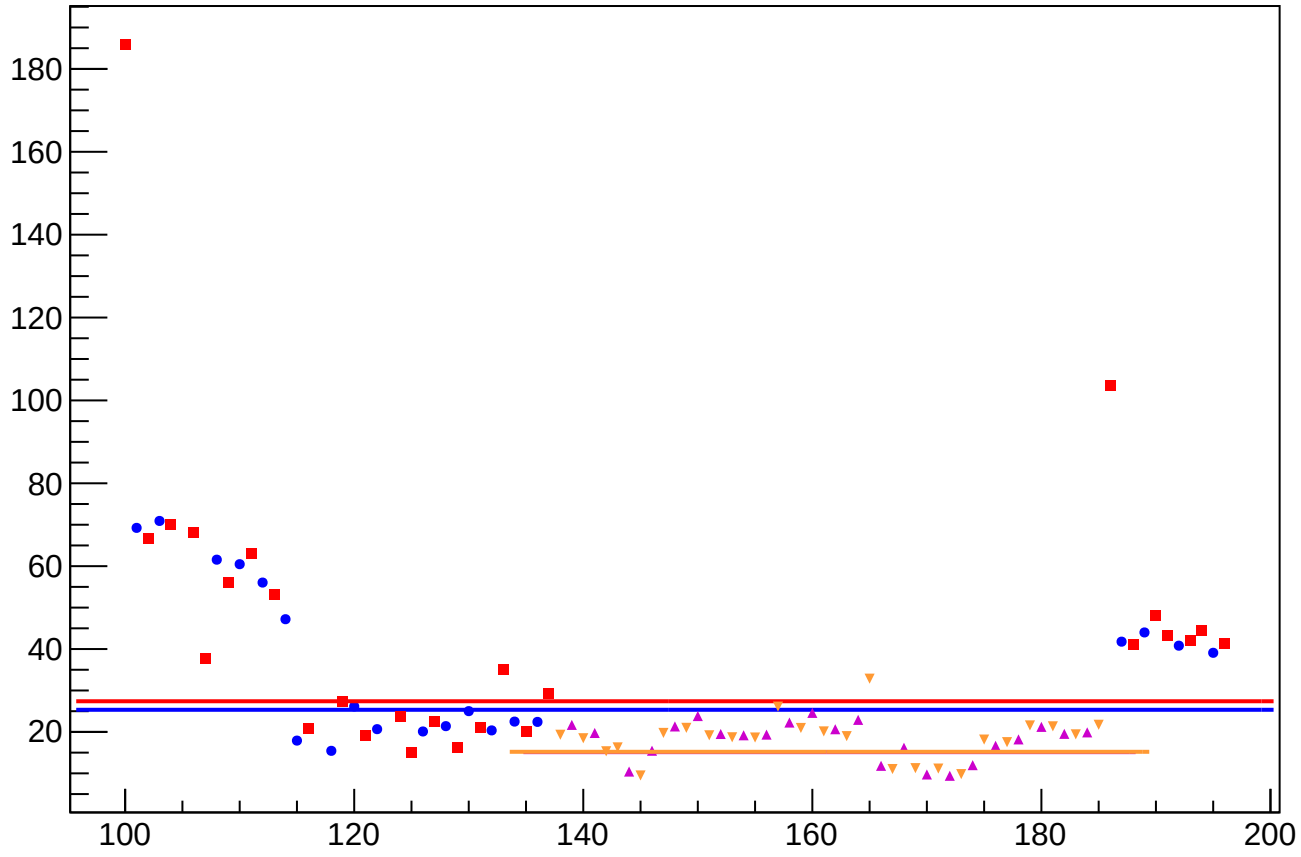
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.001+/-0.002 χ^2/NDF: 101.3/93

- sign -0.002+/-0.004 χ^2/NDF: 58.7/48



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 27.399+/-0.006 χ^2/NDF: 4551504.3/25

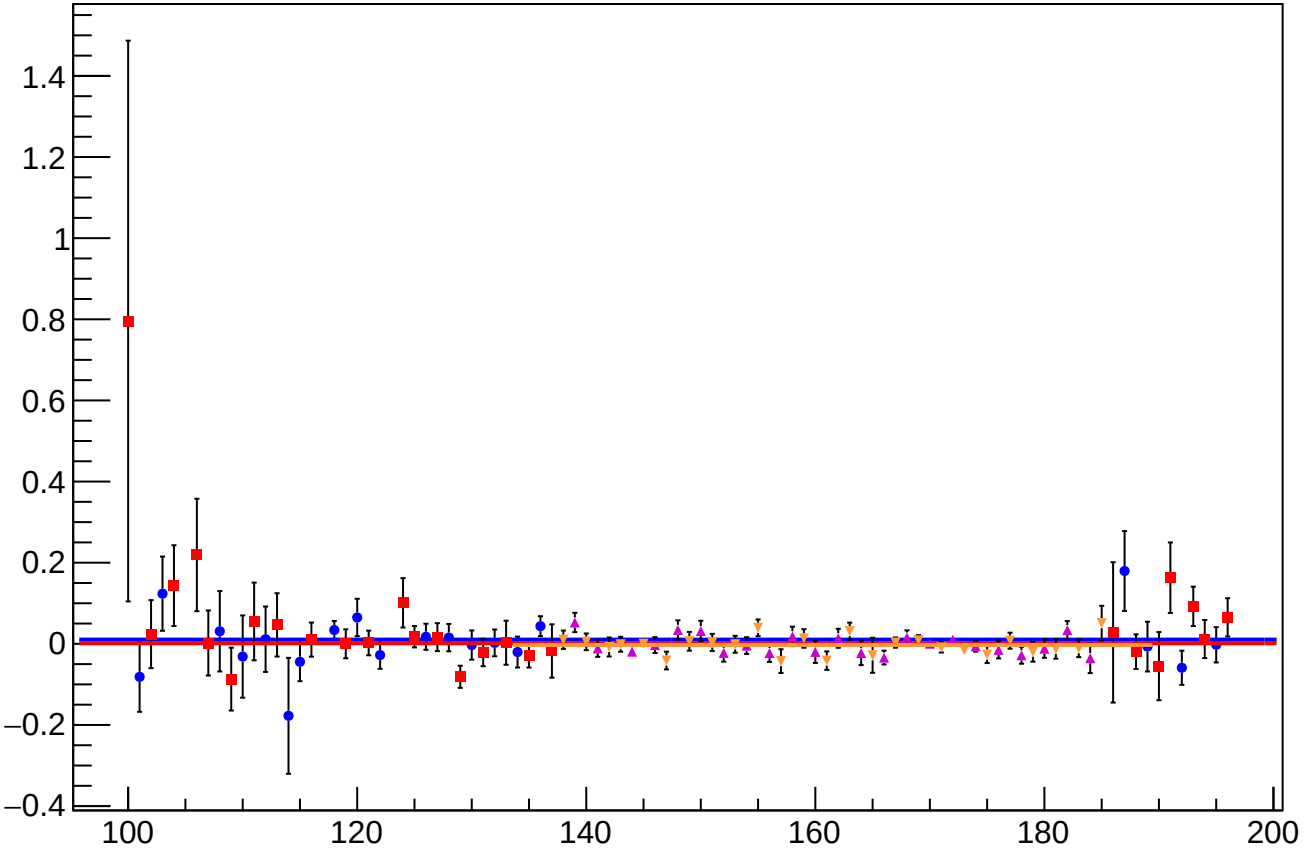
Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.613+/-0.002 χ^2/NDF: 8742711.7/44

All: 16.781+/-0.002 χ^2/NDF: 19797292.6/93

\- sign 16.958+/-0.002 χ^2/NDF: 11044754.2/48

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

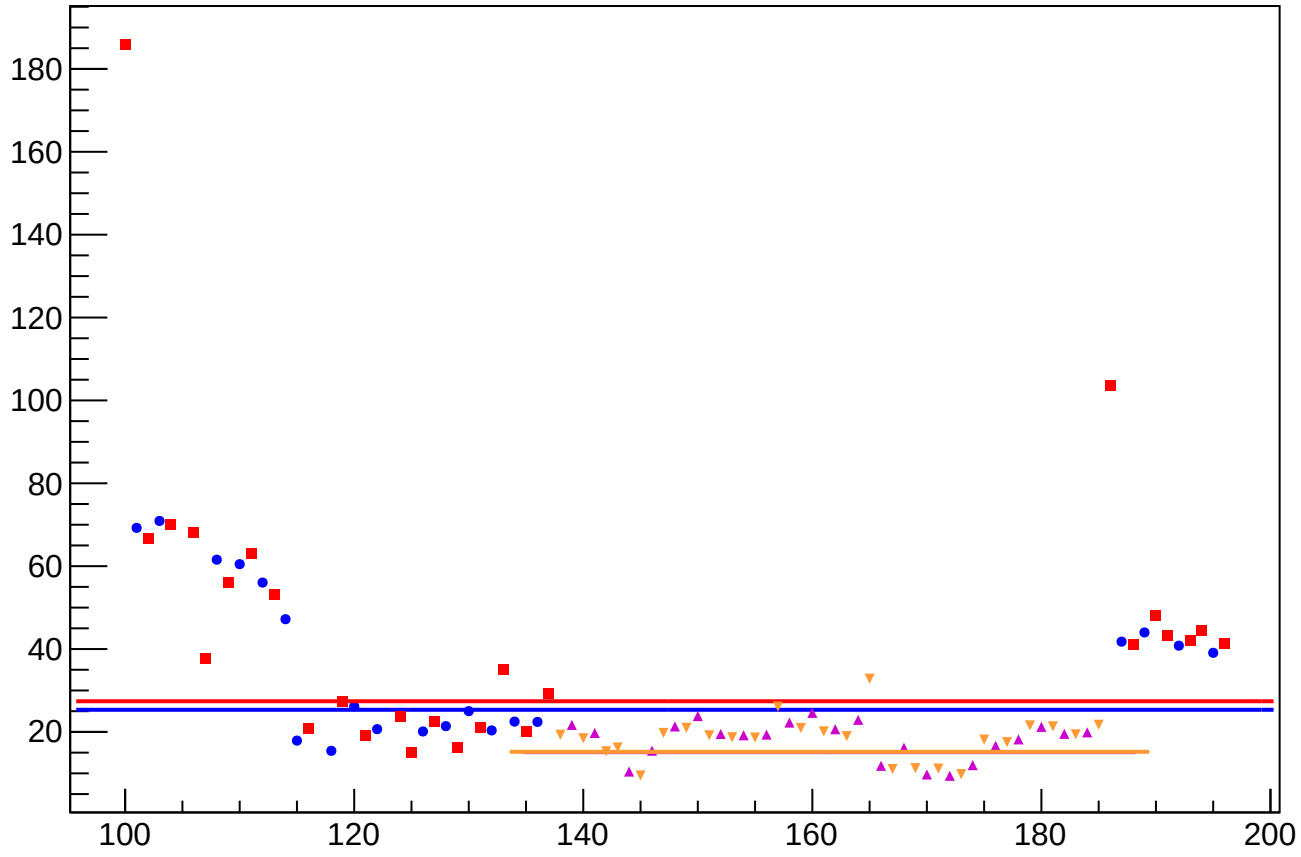
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.001+/-0.002 χ^2/NDF: 101.3/93

- sign -0.002+/-0.004 χ^2/NDF: 58.7/48



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

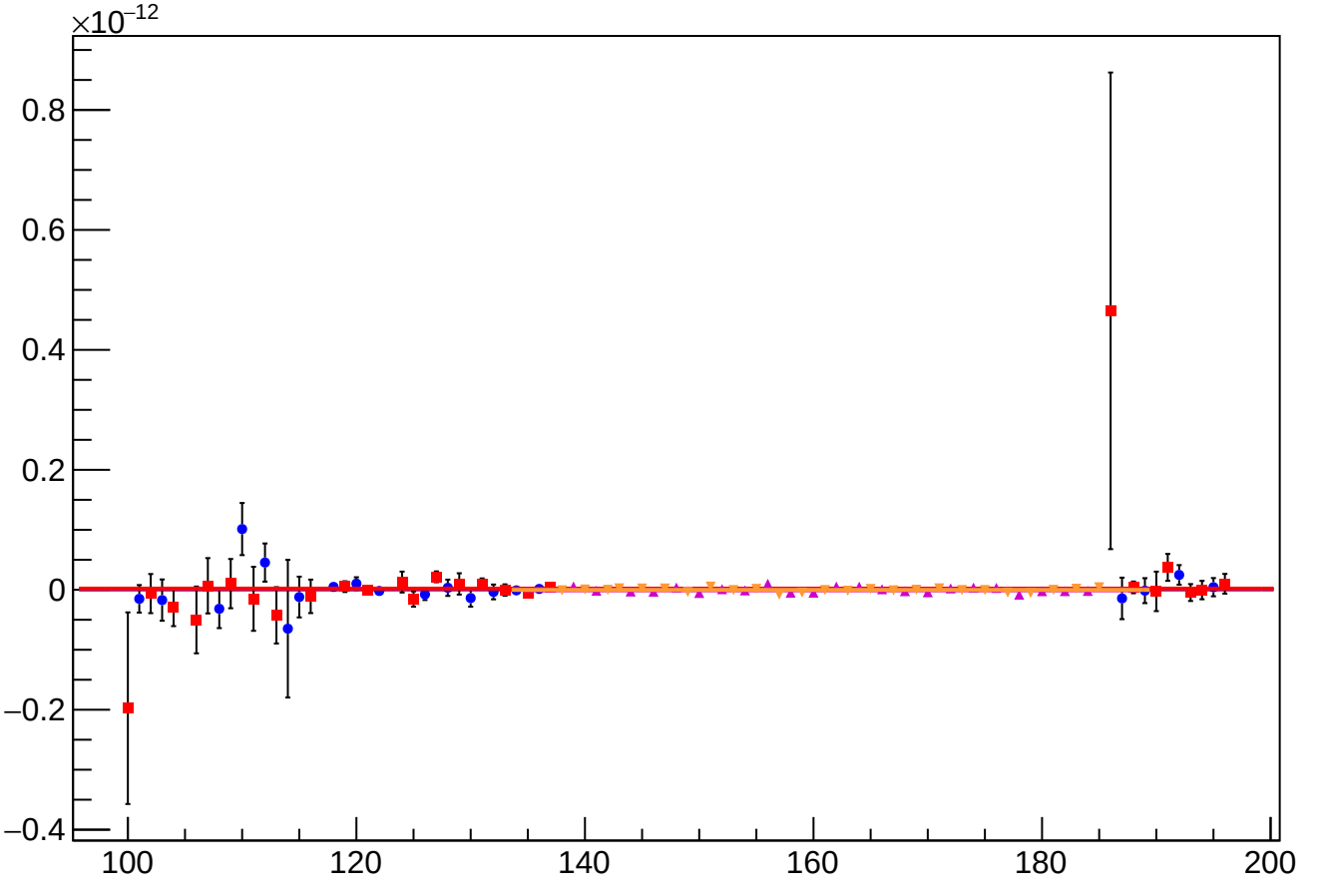
Right Out: 27.399+/-0.006 χ^2/NDF: 4551504.3/25

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742711.7/44

All: 16.781+/-0.002 χ^2/NDF: 19797292.6/93

- sign 16.958+/-0.002 χ^2/NDF: 11044754.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

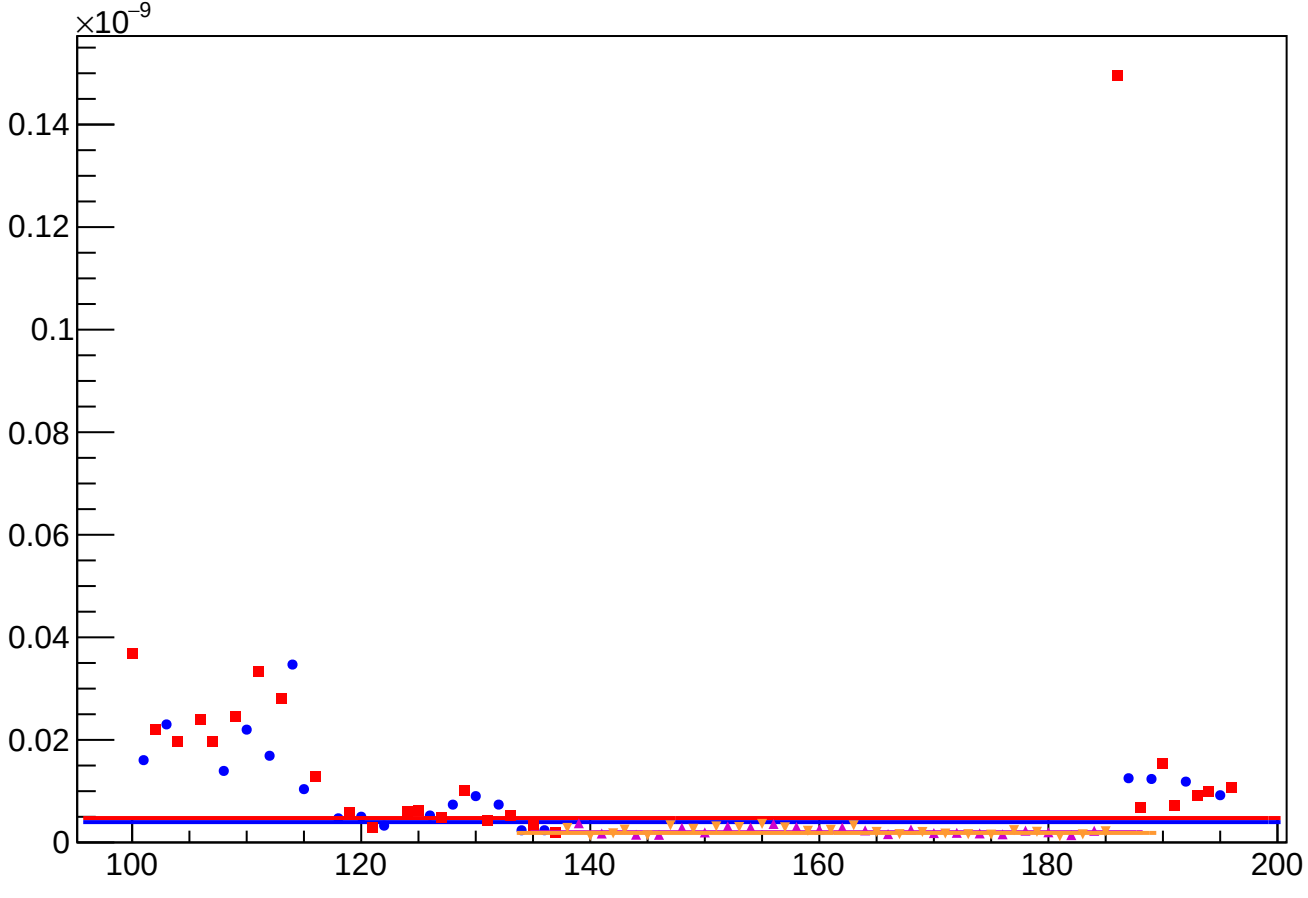
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/25

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/44

All: -0.000+/-0.000 χ^2/NDF: 98.4/93

- sign -0.000+/-0.000 χ^2/NDF: 61.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 4795625.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5836882.1/25

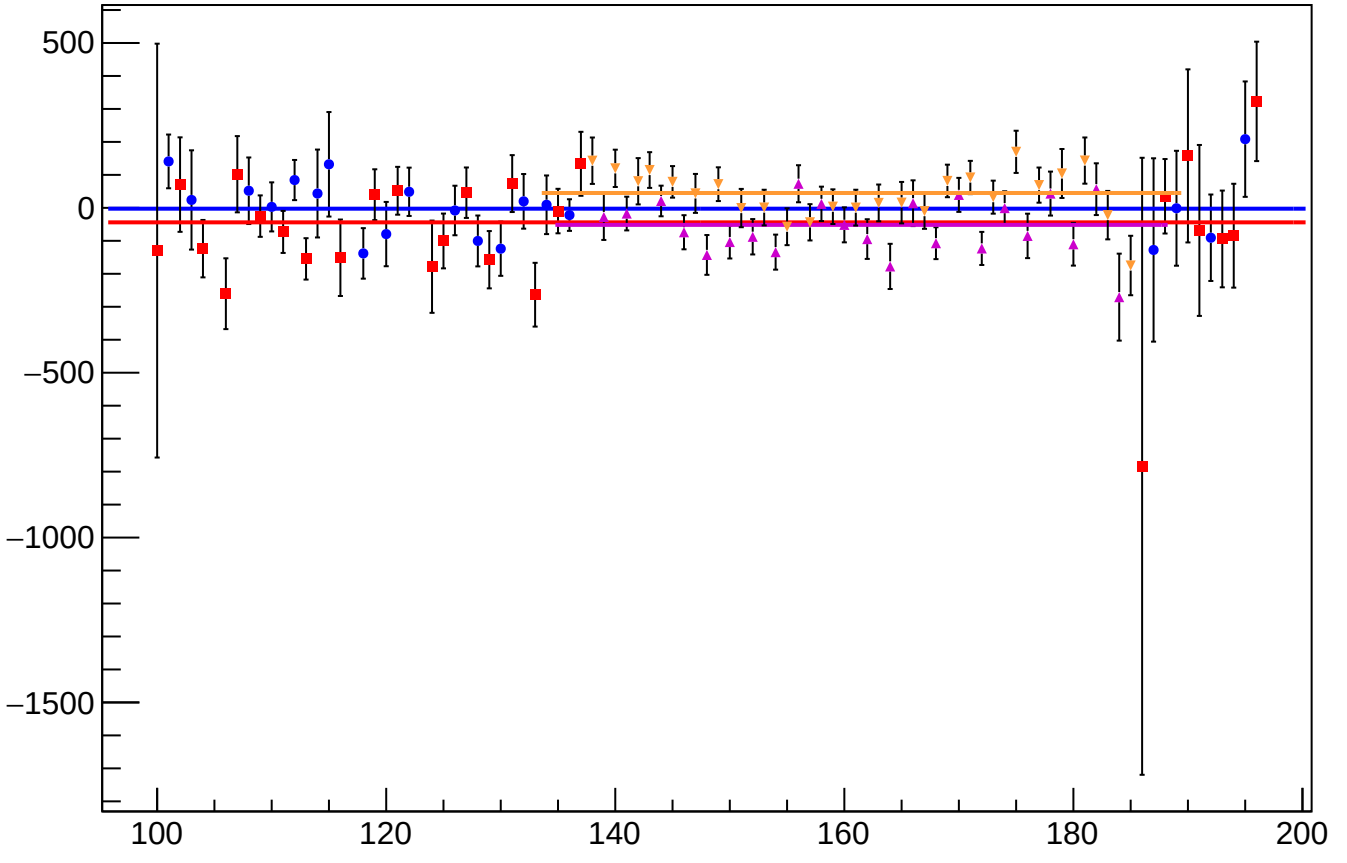
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9497255.4/44

All: 0.000+/-0.000 χ^2/NDF: 20337927.4/93

- sign 0.000+/-0.000 χ^2/NDF: 10723823.0/48

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.541+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.984+/-18.819 χ^2/NDF: 35.4/25

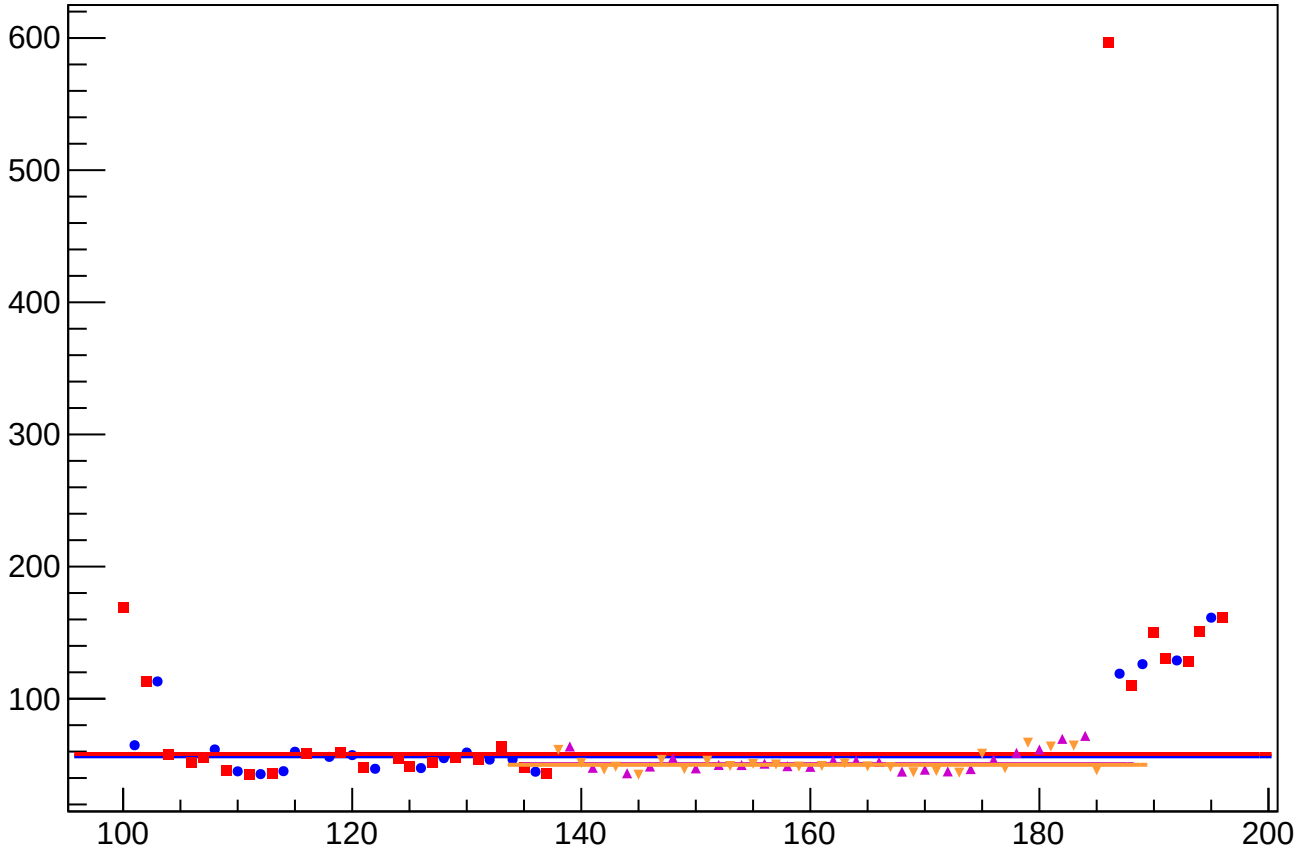
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.781+/-9.898 χ^2/NDF: 52.5/44

All: -7.596+/-7.061 χ^2/NDF: 157.8/93

- sign -49.428+/-10.075 χ^2/NDF: 71.4/48

reg_asym_sam_1357_avg_rms vs Slug



Right In: 56.427+/-0.014 χ^2/NDF: 2408074.2/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

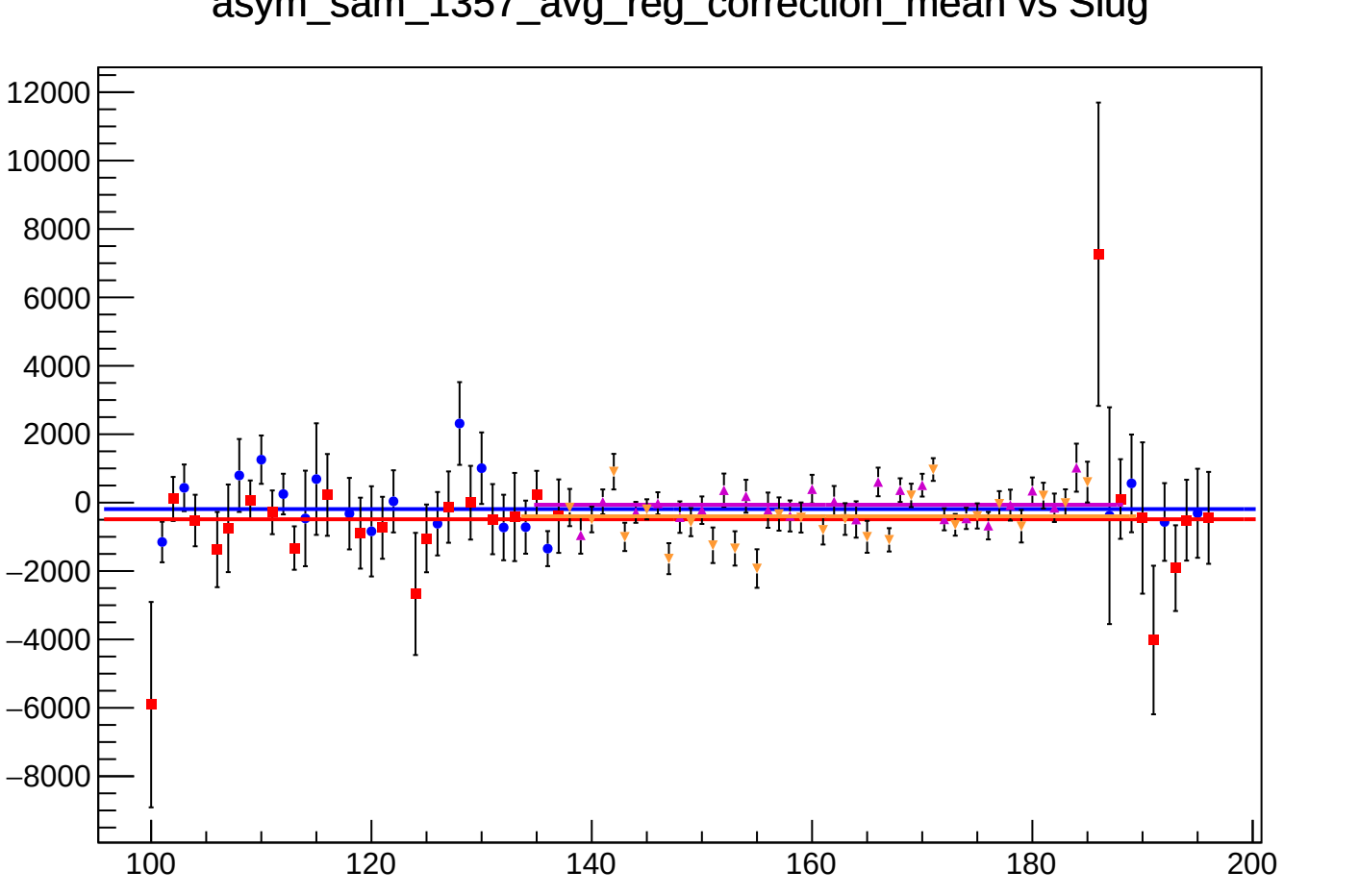
Right Out: 58.178+/-0.013 χ^2/NDF: 4146382.1/25

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077709.8/44

All: 52.184+/-0.005 χ^2/NDF: 7974939.8/93

- sign 52.709+/-0.007 χ^2/NDF: 4886538.9/48



Right In: -189.193+/-197.786 χ^2/NDF: 21.8/19

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -486.462+/-191.884 χ^2/NDF: 18.6/25

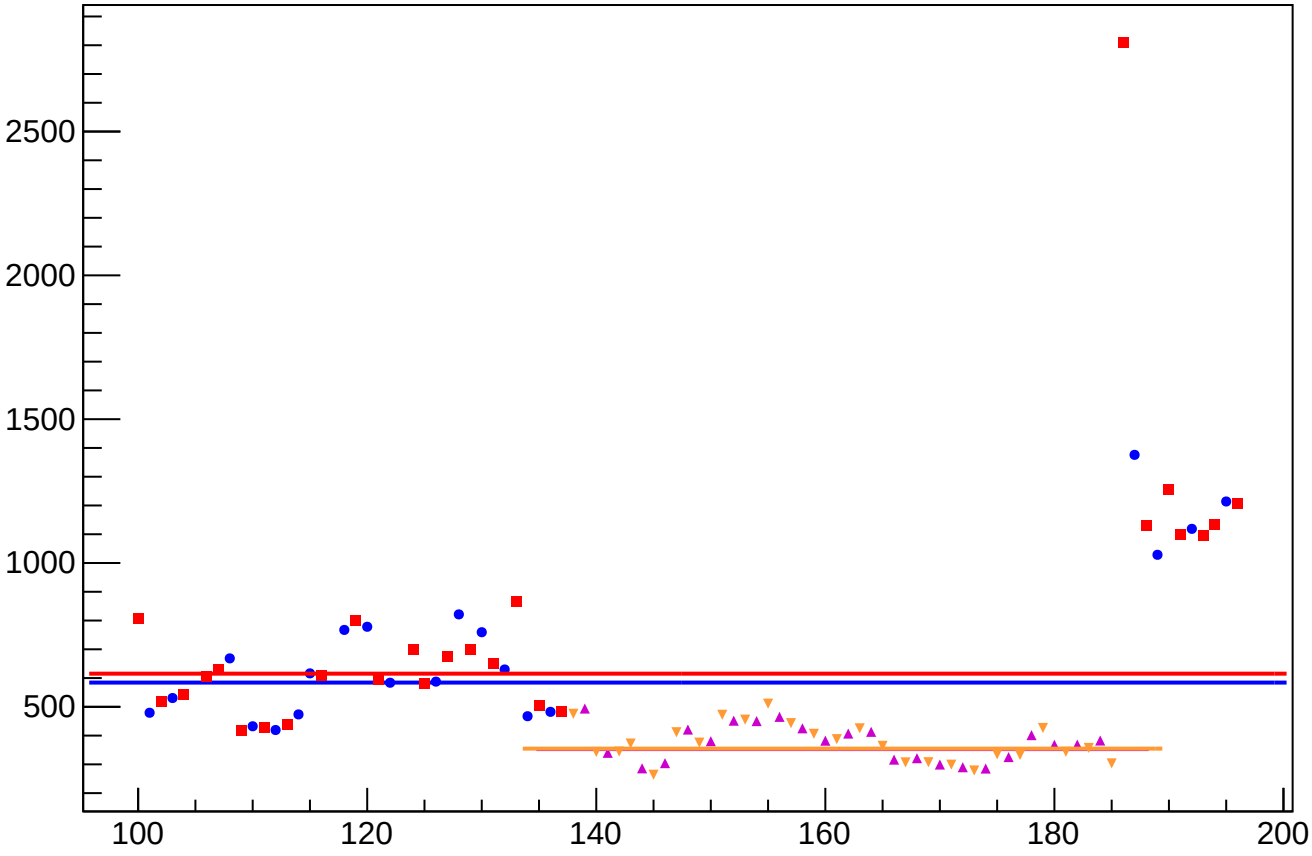
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.496+/-75.798 χ^2/NDF: 88.1/44

All: -250.990+/-53.971 χ^2/NDF: 139.6/93

- sign -130.147+/-76.867 χ^2/NDF: 46.6/48

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 584.307+/-0.140 χ^2/NDF: 1941932.1/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 615.290+/-0.136 χ^2/NDF: 3107604.4/25

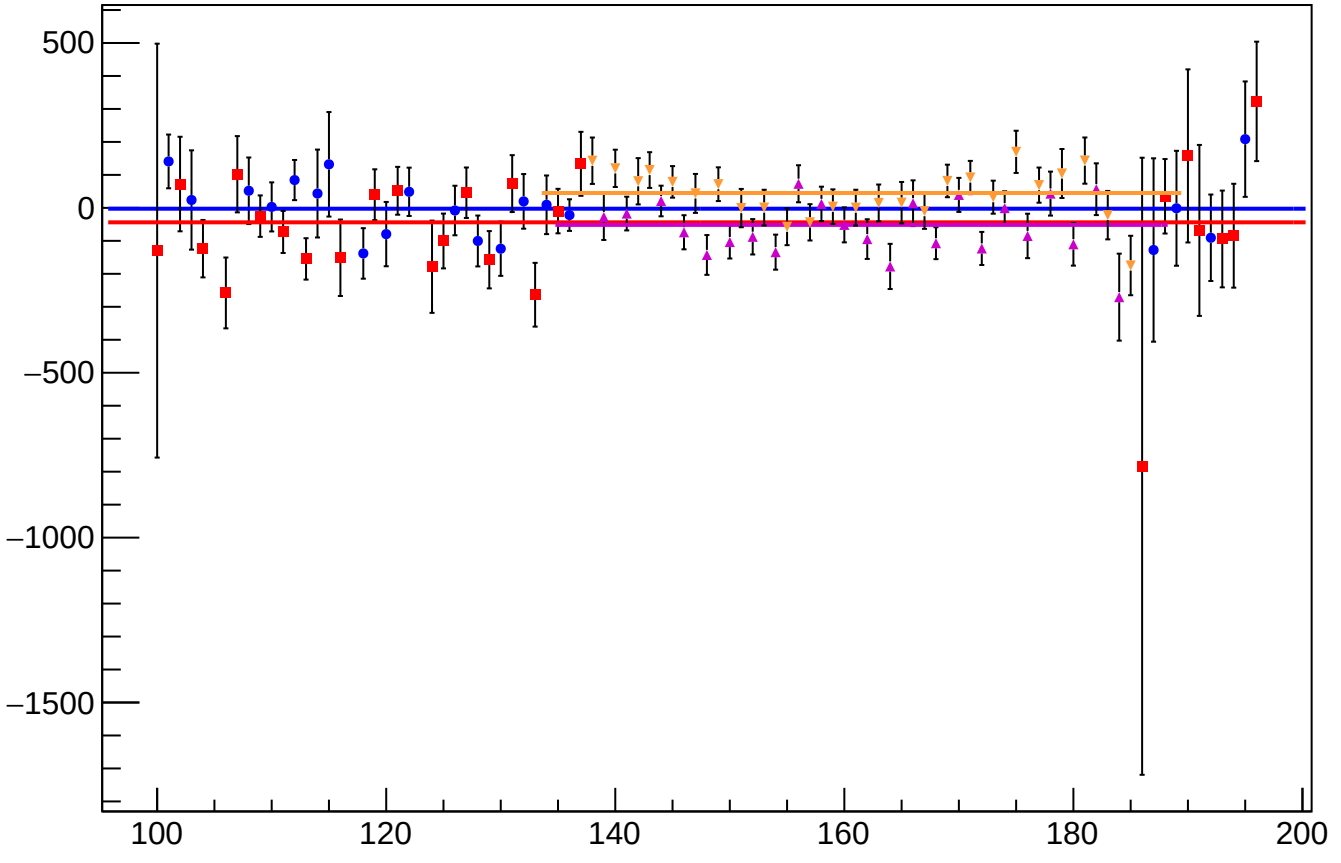
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 388.396+/-0.054 χ^2/NDF: 5387466.9/44

All: 391.742+/-0.038 χ^2/NDF: 12641746.8/93

- sign 395.183+/-0.054 χ^2/NDF: 7246375.5/48

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.545+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.875+/-18.819 χ^2/NDF: 35.4/25

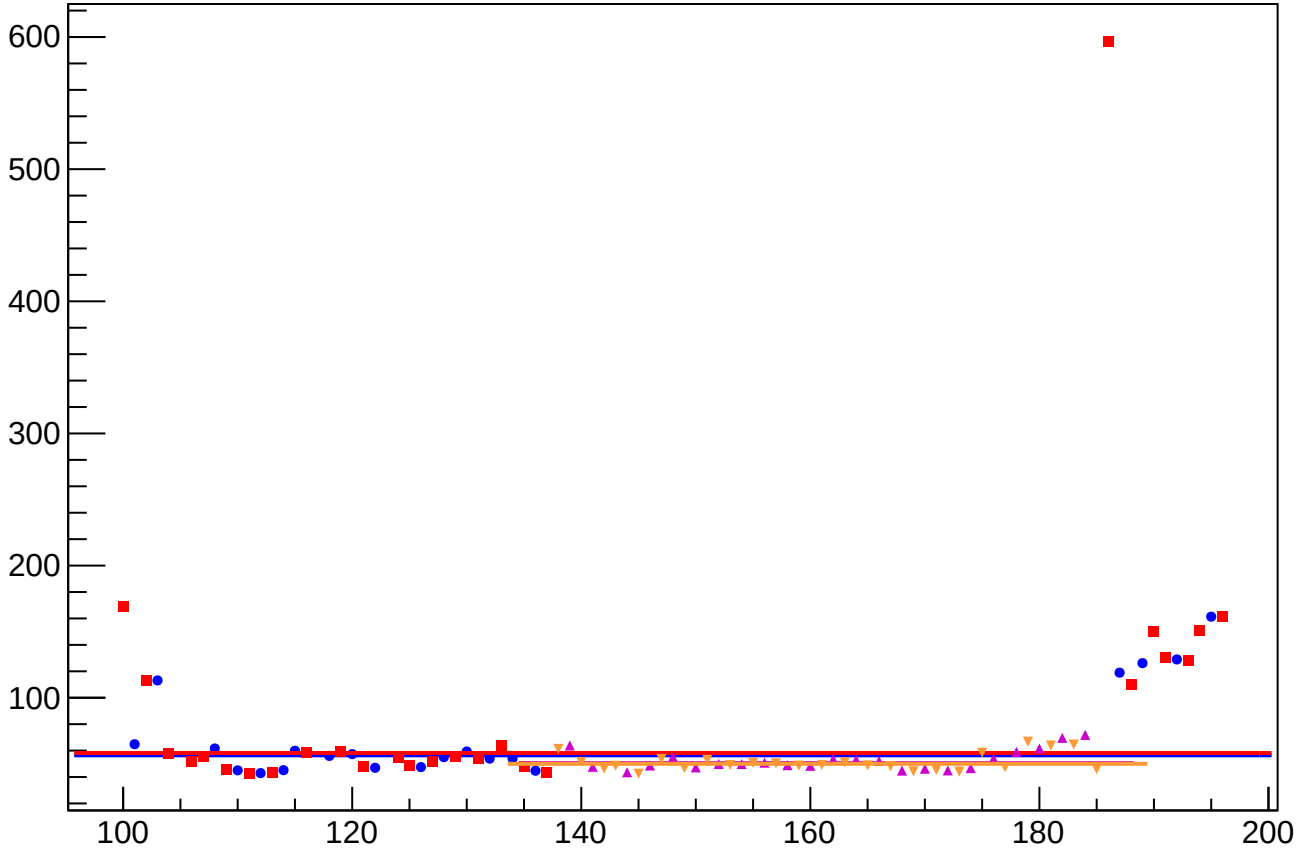
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.783+/-9.898 χ^2/NDF: 52.5/44

All: -7.579+/-7.061 χ^2/NDF: 157.7/93

- sign -49.397+/-10.075 χ^2/NDF: 71.3/48

cor_asym_sam_1357_avg_rms vs Slug



Right In: 56.427+/-0.014 χ^2/NDF: 2408076.5/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

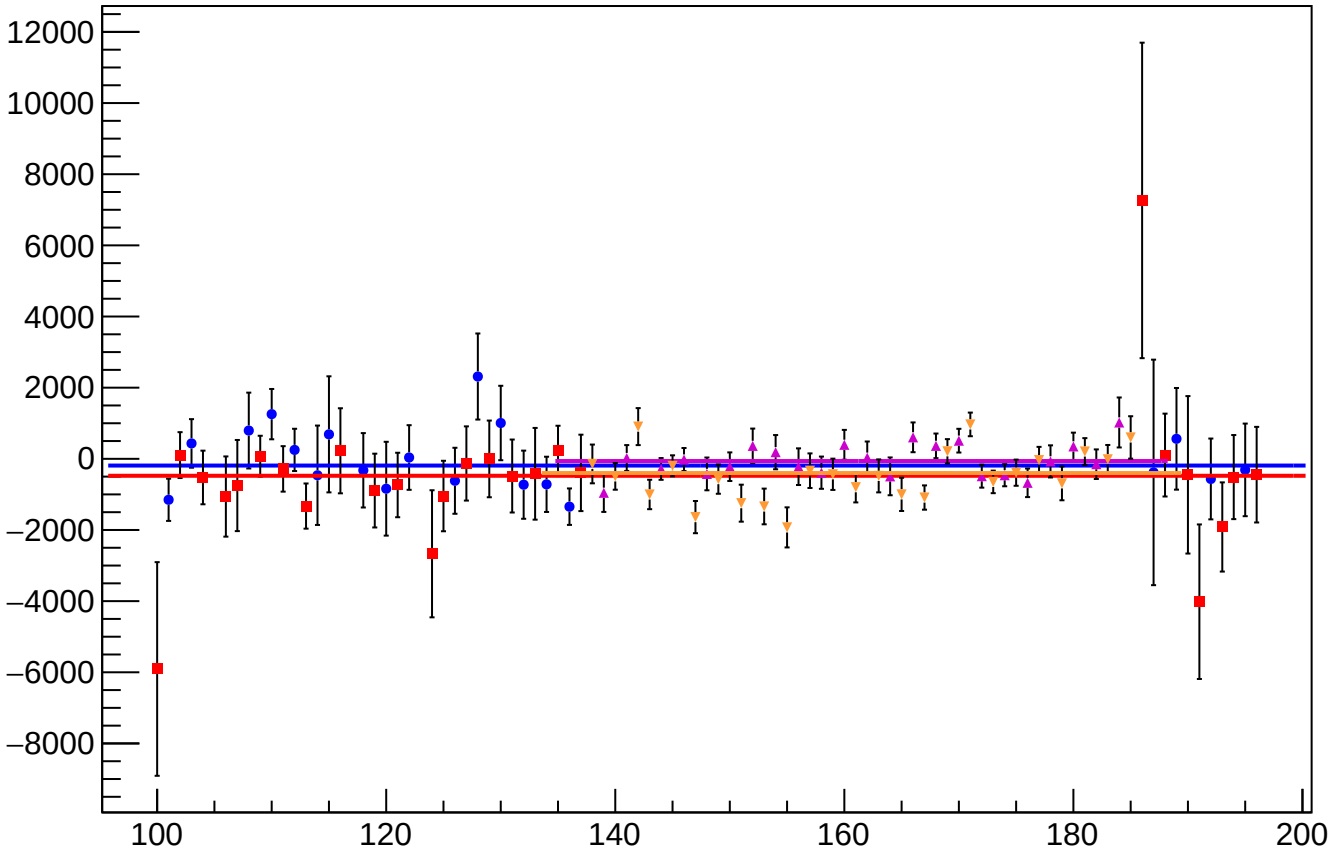
Right Out: 58.169+/-0.013 χ^2/NDF: 4147299.6/25

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077712.1/44

All: 52.183+/-0.005 χ^2/NDF: 7975230.2/93

- sign 52.707+/-0.007 χ^2/NDF: 4886882.9/48



Right In: -189.172+/-197.788 χ^2/NDF: 21.8/19

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -476.454+/-192.044 χ^2/NDF: 18.2/25

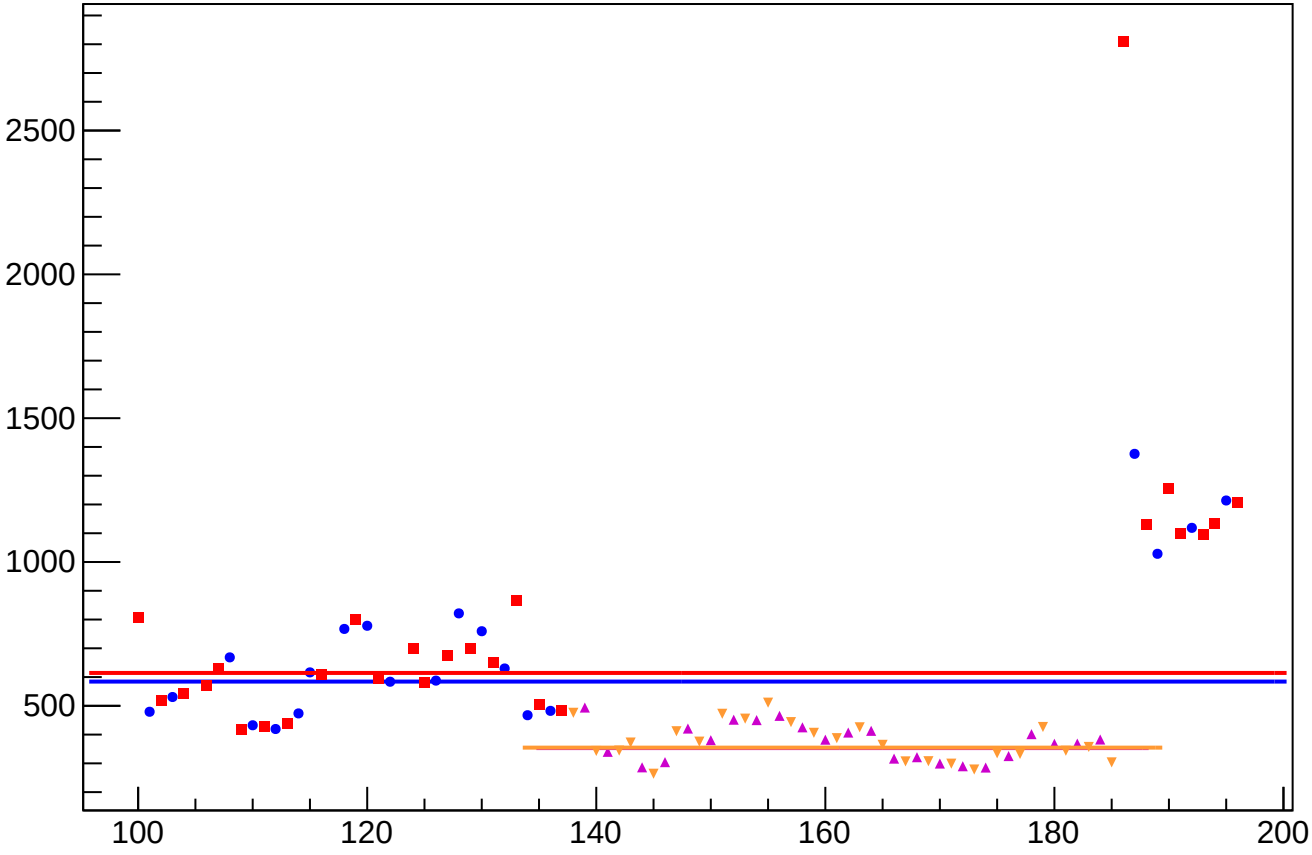
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.489+/-75.798 χ^2/NDF: 88.1/44

All: -250.164+/-53.975 χ^2/NDF: 139.1/93

- sign -128.447+/-76.877 χ^2/NDF: 46.0/48

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 584.313+/-0.140 χ^2/NDF: 1941904.0/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 614.334+/-0.136 χ^2/NDF: 3110011.6/25

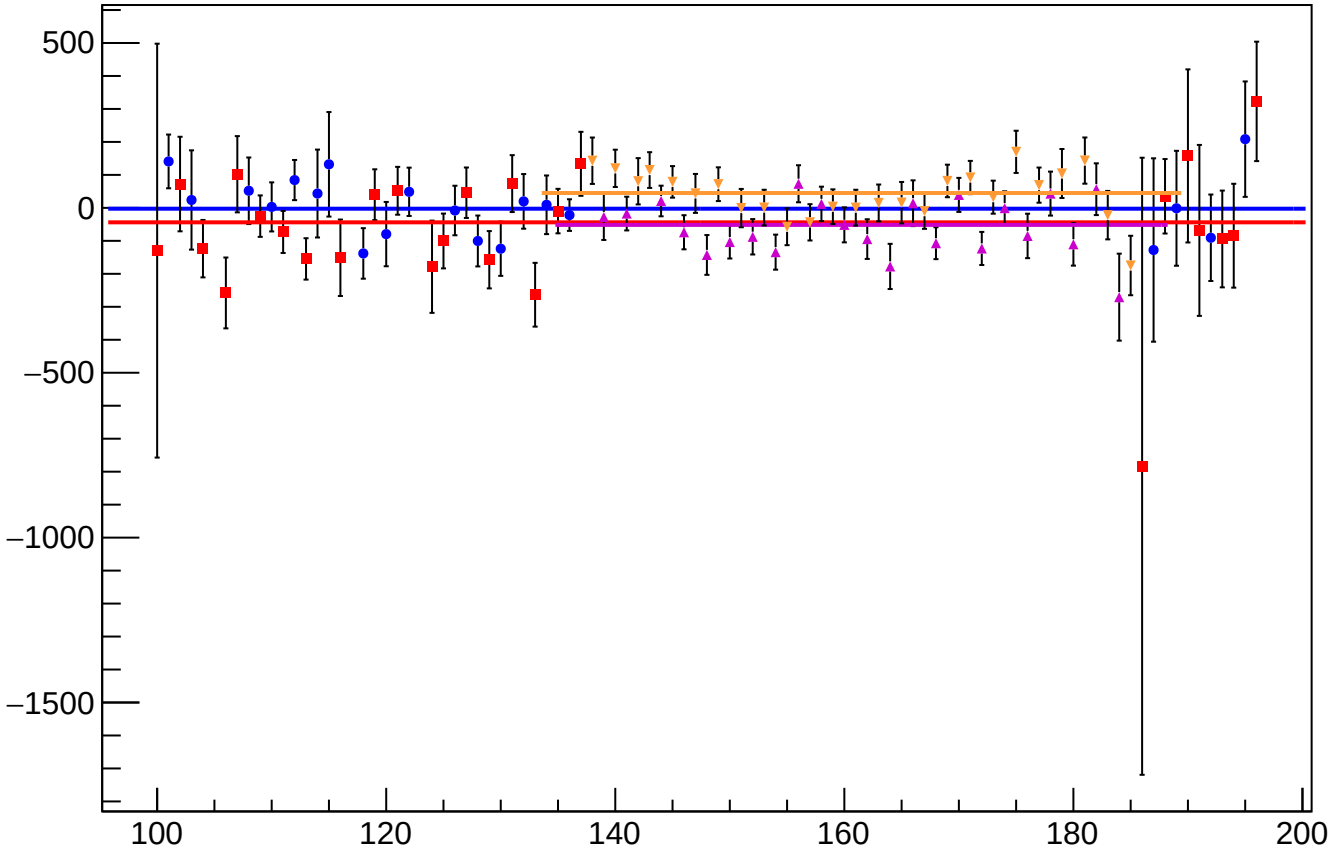
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 388.396+/-0.054 χ^2/NDF: 5387523.6/44

All: 391.637+/-0.038 χ^2/NDF: 12616529.2/93

- sign 394.970+/-0.054 χ^2/NDF: 7221589.5/48

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.545+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.875+/-18.819 χ^2/NDF: 35.4/25

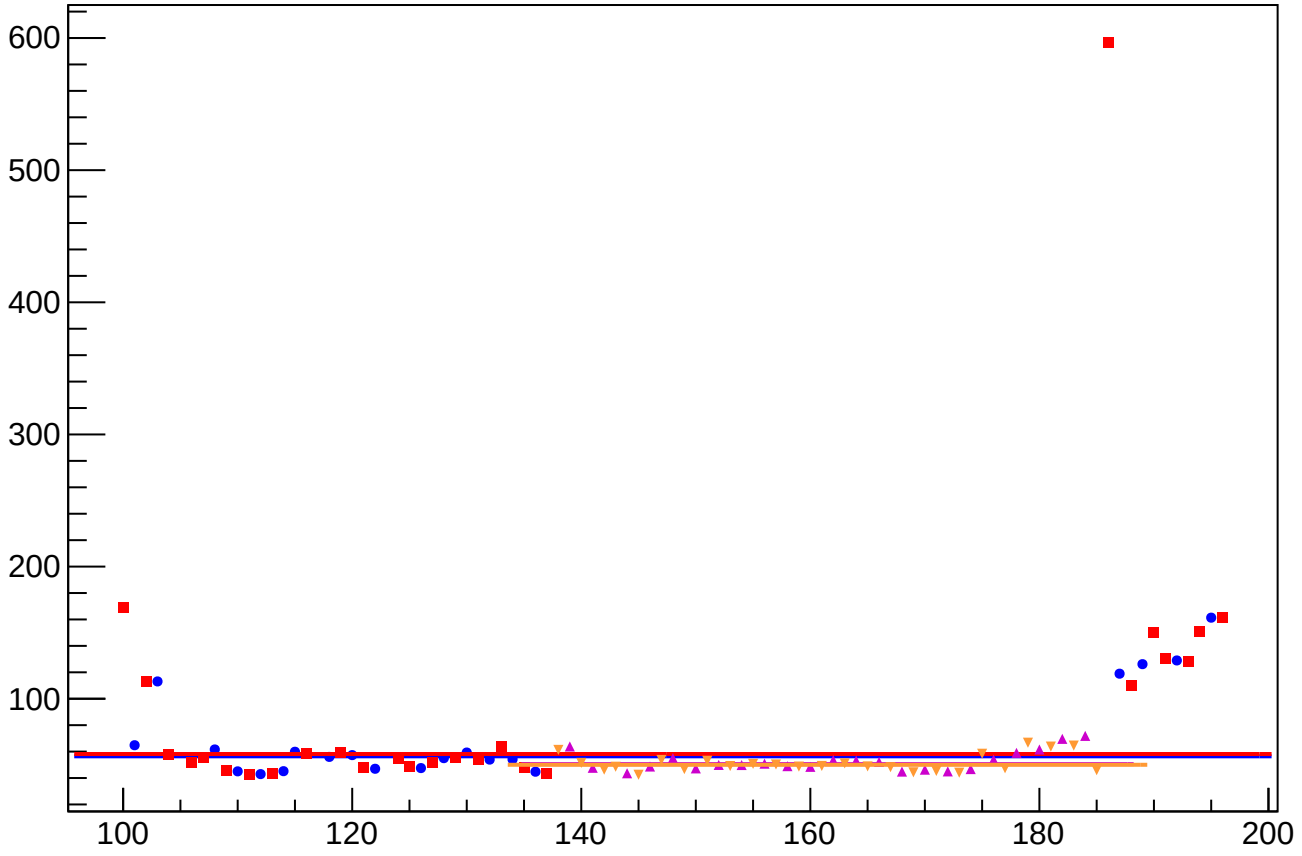
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.783+/-9.898 χ^2/NDF: 52.5/44

All: -7.579+/-7.061 χ^2/NDF: 157.7/93

- sign -49.397+/-10.075 χ^2/NDF: 71.3/48

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 56.427+/-0.014 χ^2/NDF: 2408076.5/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

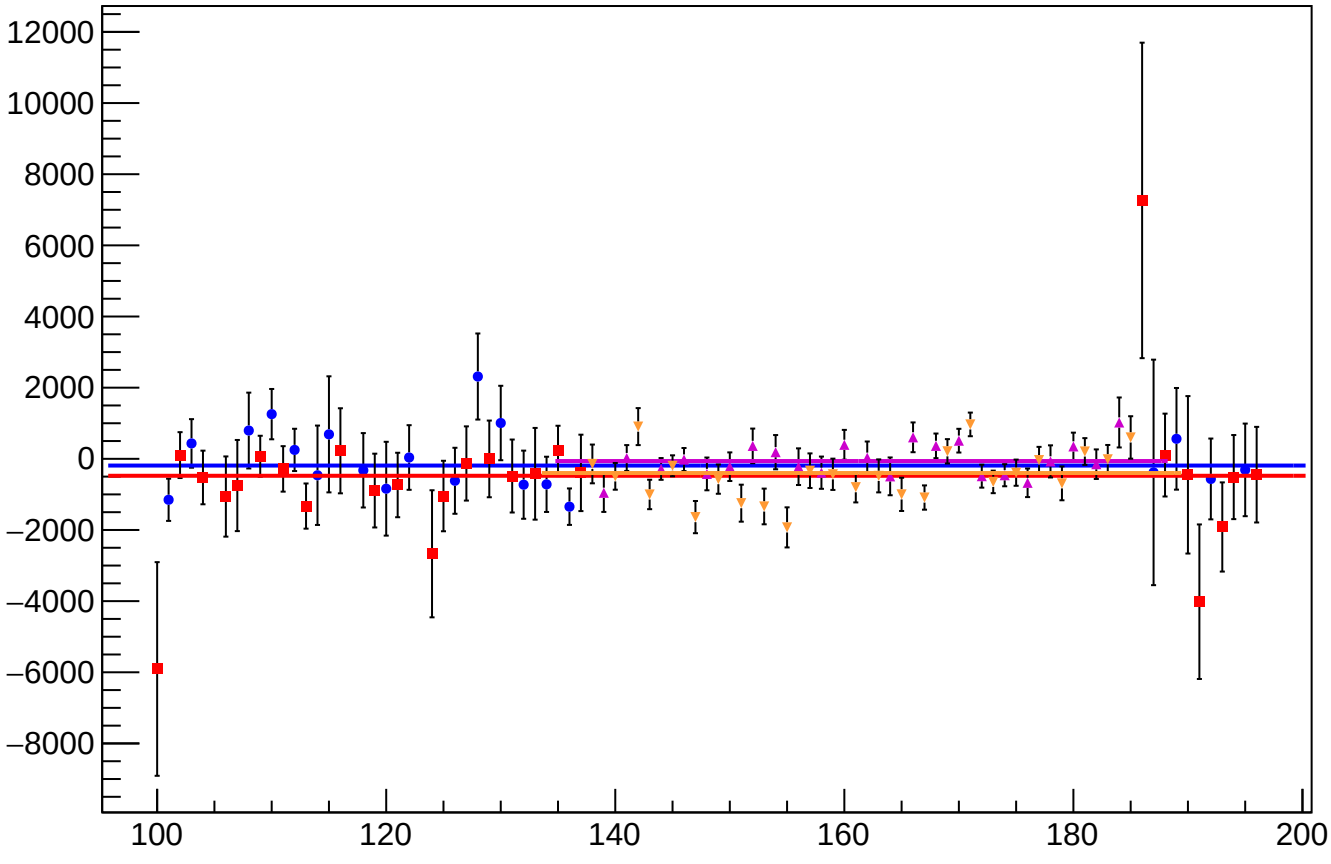
Right Out: 58.169+/-0.013 χ^2/NDF: 4147299.6/25

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077712.1/44

All: 52.183+/-0.005 χ^2/NDF: 7975230.2/93

- sign 52.707+/-0.007 χ^2/NDF: 4886882.9/48



Right In: -189.172+/-197.788 χ^2/NDF: 21.8/19

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

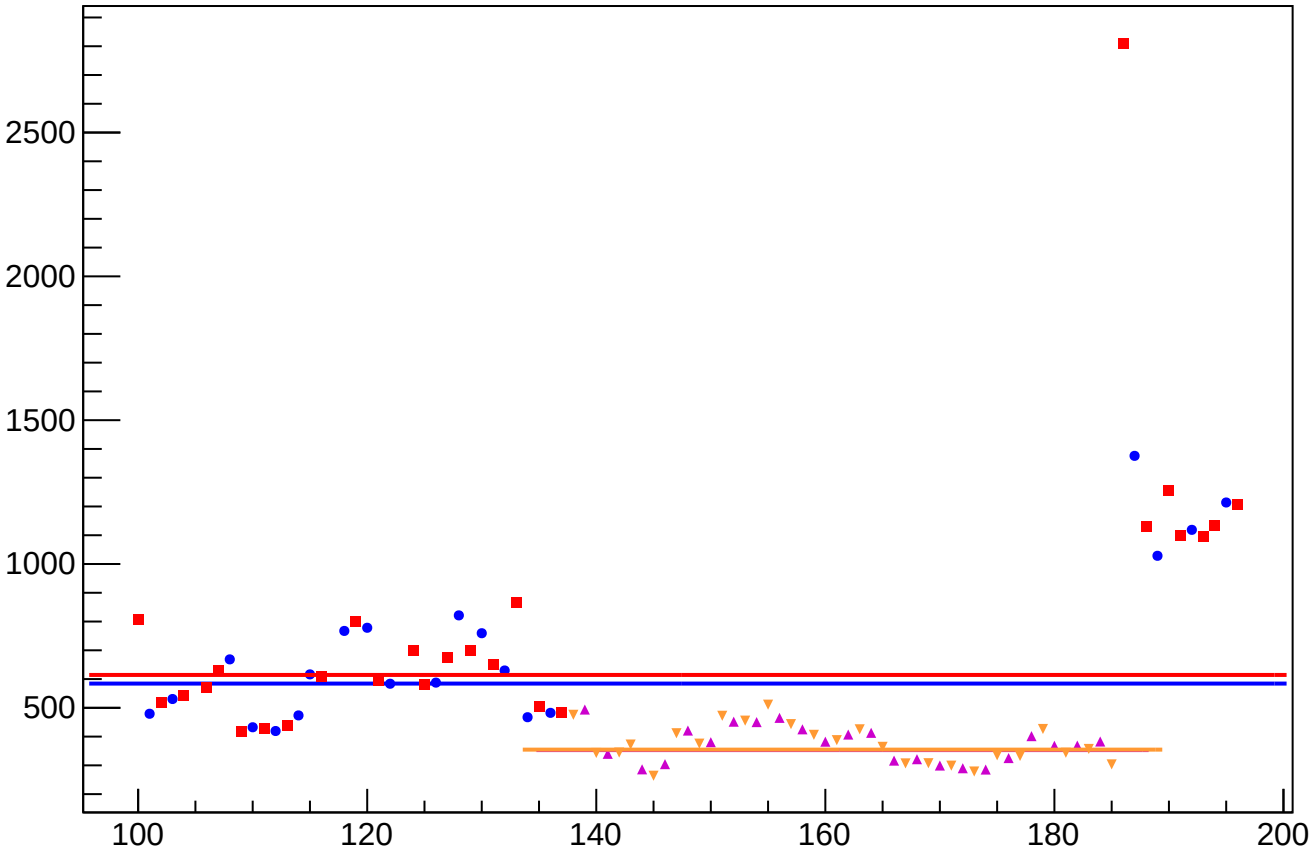
Right Out: -476.454+/-192.044 χ^2/NDF: 18.2/25

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.489+/-75.798 χ^2/NDF: 88.1/44

All: -250.164+/-53.975 χ^2/NDF: 139.1/93

- sign -128.447+/-76.877 χ^2/NDF: 46.0/48



Right In: 584.313+/-0.140 χ^2/NDF: 1941904.0/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 614.334+/-0.136 χ^2/NDF: 3110011.6/25

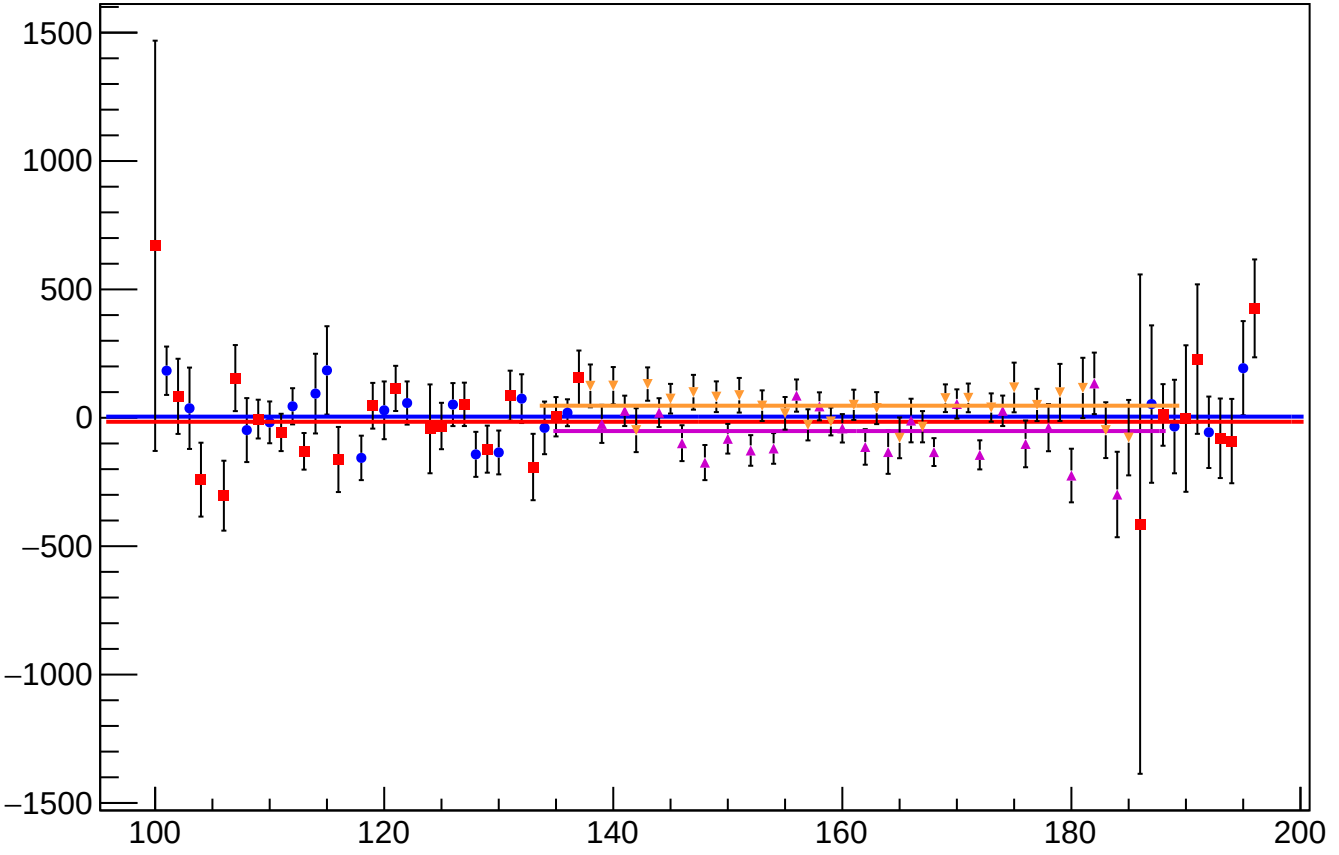
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 388.396+/-0.054 χ^2/NDF: 5387523.6/44

All: 391.637+/-0.038 χ^2/NDF: 12616529.2/93

- sign 394.970+/-0.054 χ^2/NDF: 7221589.5/48

dit_asym_sam_1357_avg_mean vs Slug



Right In: 4.517+/-21.816 χ^2/NDF: 17.5/19

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -15.473+/-21.668 χ^2/NDF: 31.2/25

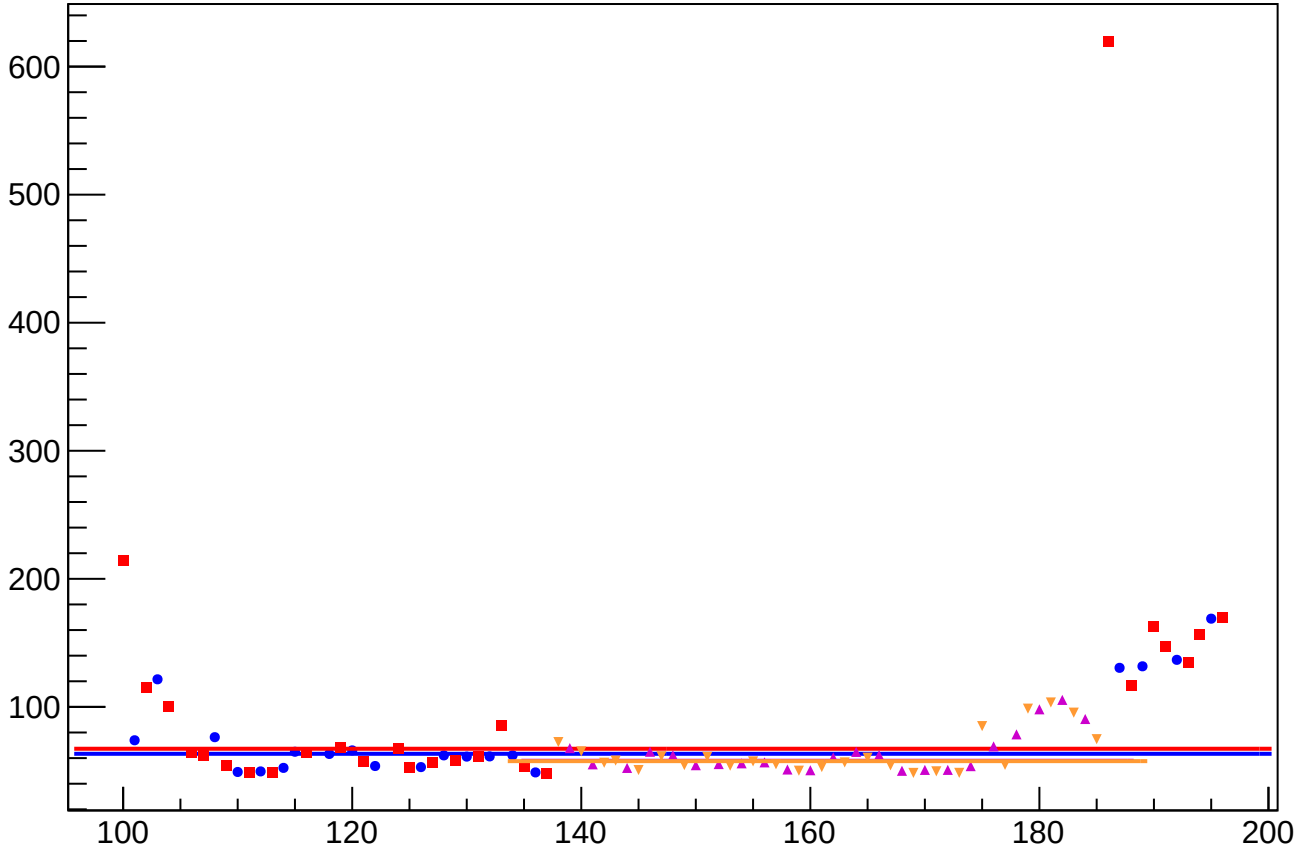
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.332+/-11.487 χ^2/NDF: 37.2/44

All: -2.102+/-8.203 χ^2/NDF: 130.2/93

- sign -41.068+/-11.720 χ^2/NDF: 71.3/48

dit_asym_sam_1357_avg_rms vs Slug



Right In: 63.369+/-0.015 χ^2/NDF: 2274277.3/19

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 67.313+/-0.015 χ^2/NDF: 3934936.7/25

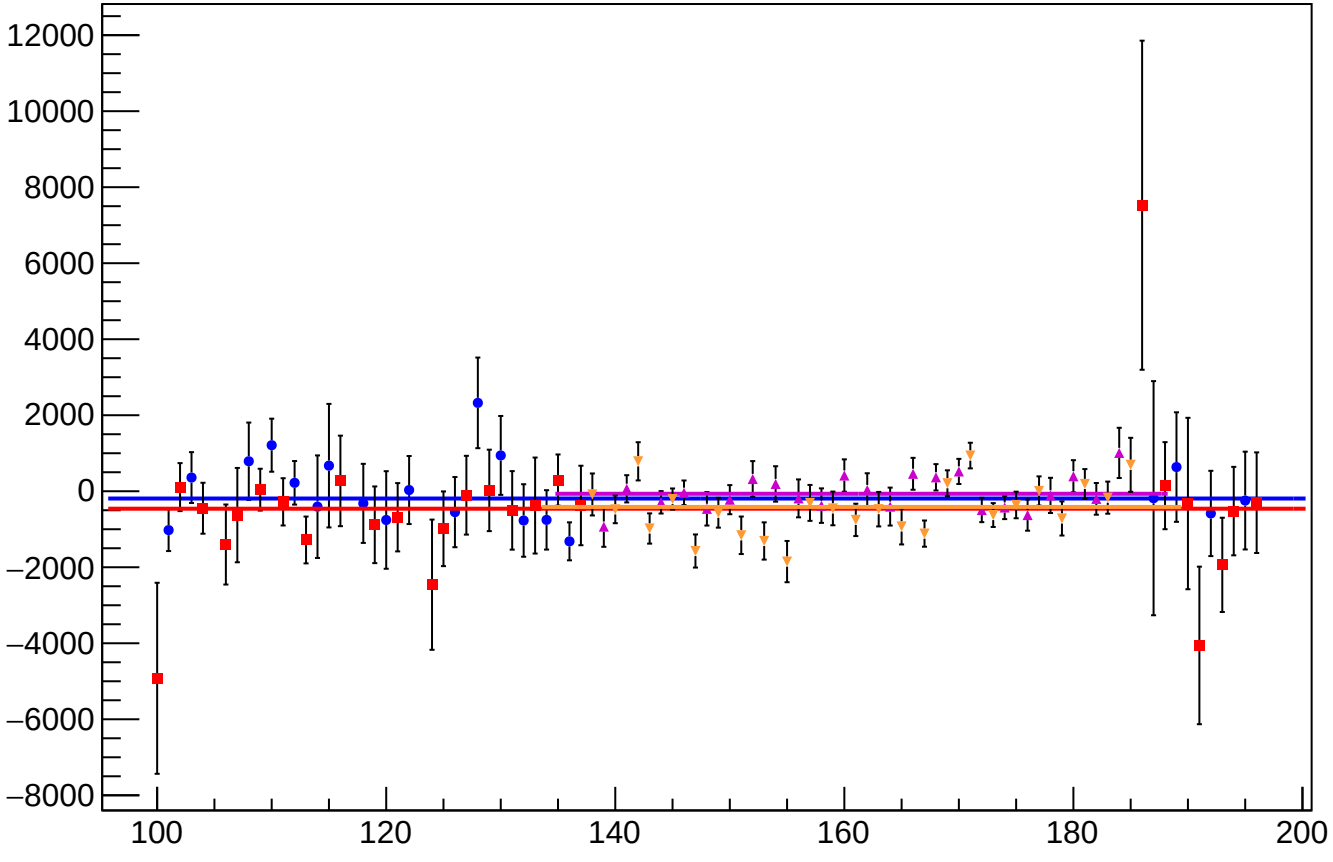
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 59.222+/-0.008 χ^2/NDF: 3739741.5/44

All: 59.937+/-0.006 χ^2/NDF: 9079763.5/93

- sign 60.682+/-0.008 χ^2/NDF: 5324188.4/48

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -191.679+/-193.040 χ^2/NDF: 21.2/19

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -459.558+/-185.790 χ^2/NDF: 19.5/25

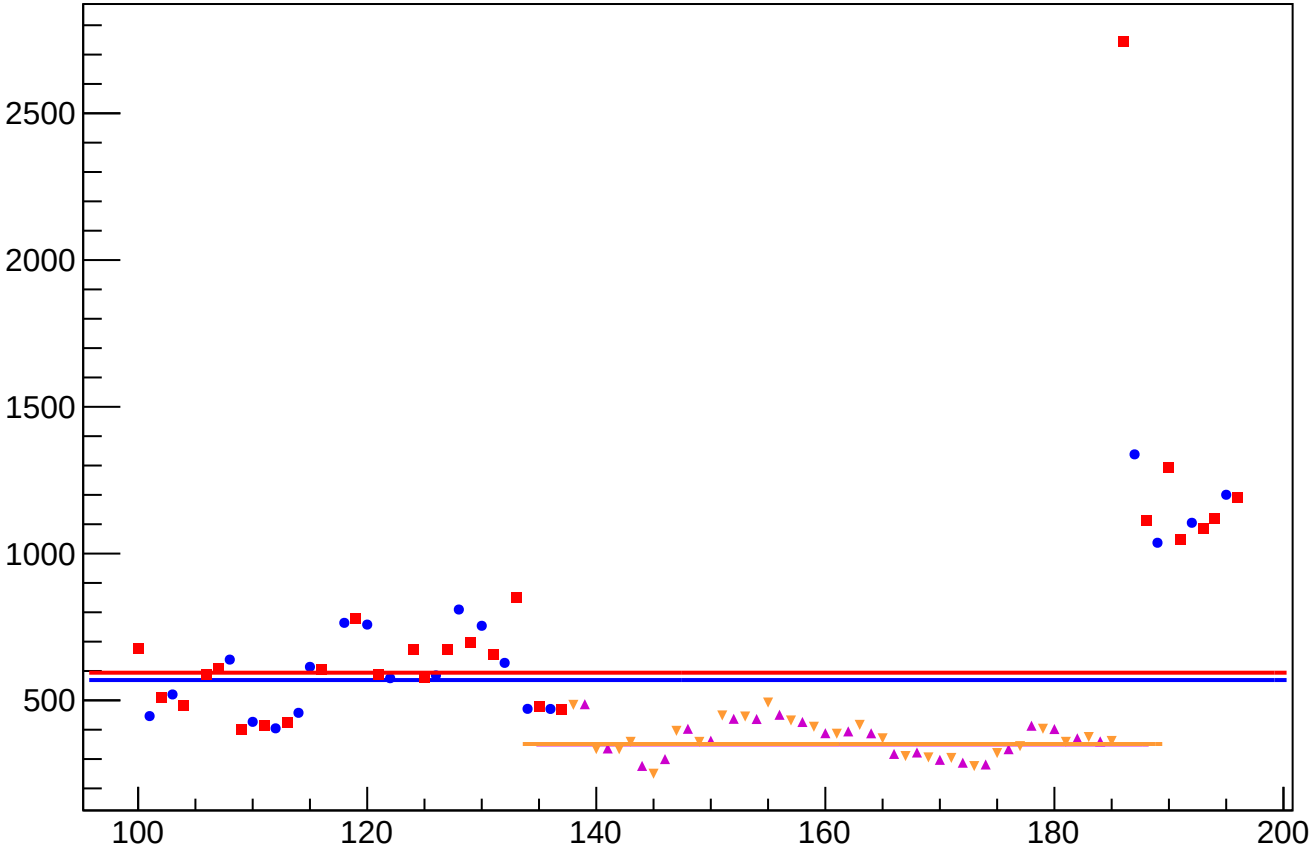
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.818+/-74.796 χ^2/NDF: 83.7/44

All: -257.689+/-53.256 χ^2/NDF: 135.2/93

- sign -132.116+/-75.844 χ^2/NDF: 46.1/48

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 569.129+/-0.136 χ^2/NDF: 2031221.3/19

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 594.197+/-0.131 χ^2/NDF: 3256545.0/25

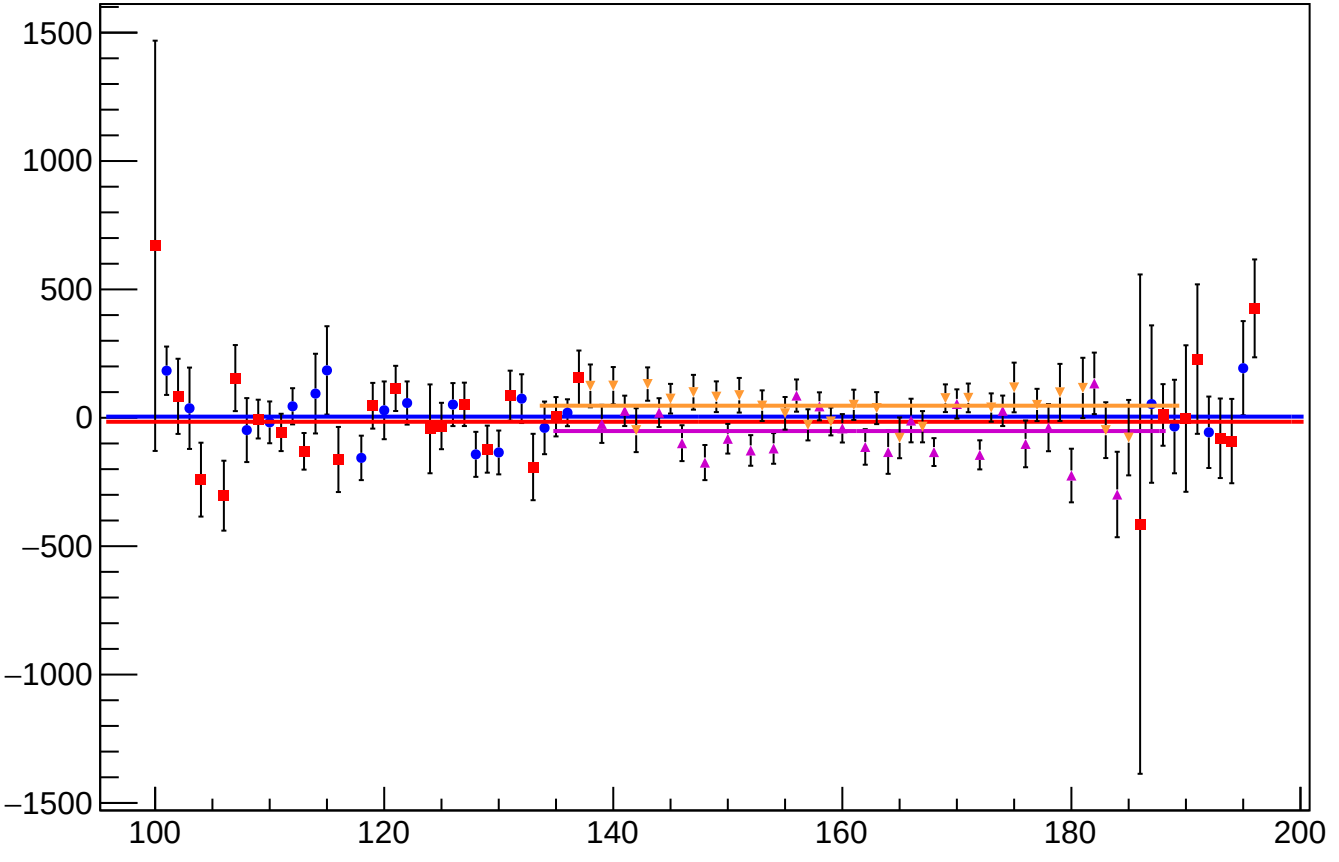
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 383.972+/-0.053 χ^2/NDF: 5314494.2/44

All: 387.210+/-0.038 χ^2/NDF: 12452760.8/93

- sign 390.539+/-0.054 χ^2/NDF: 7130667.1/48

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 4.516+/-21.816 χ^2/NDF: 17.5/19

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -15.472+/-21.668 χ^2/NDF: 31.2/25

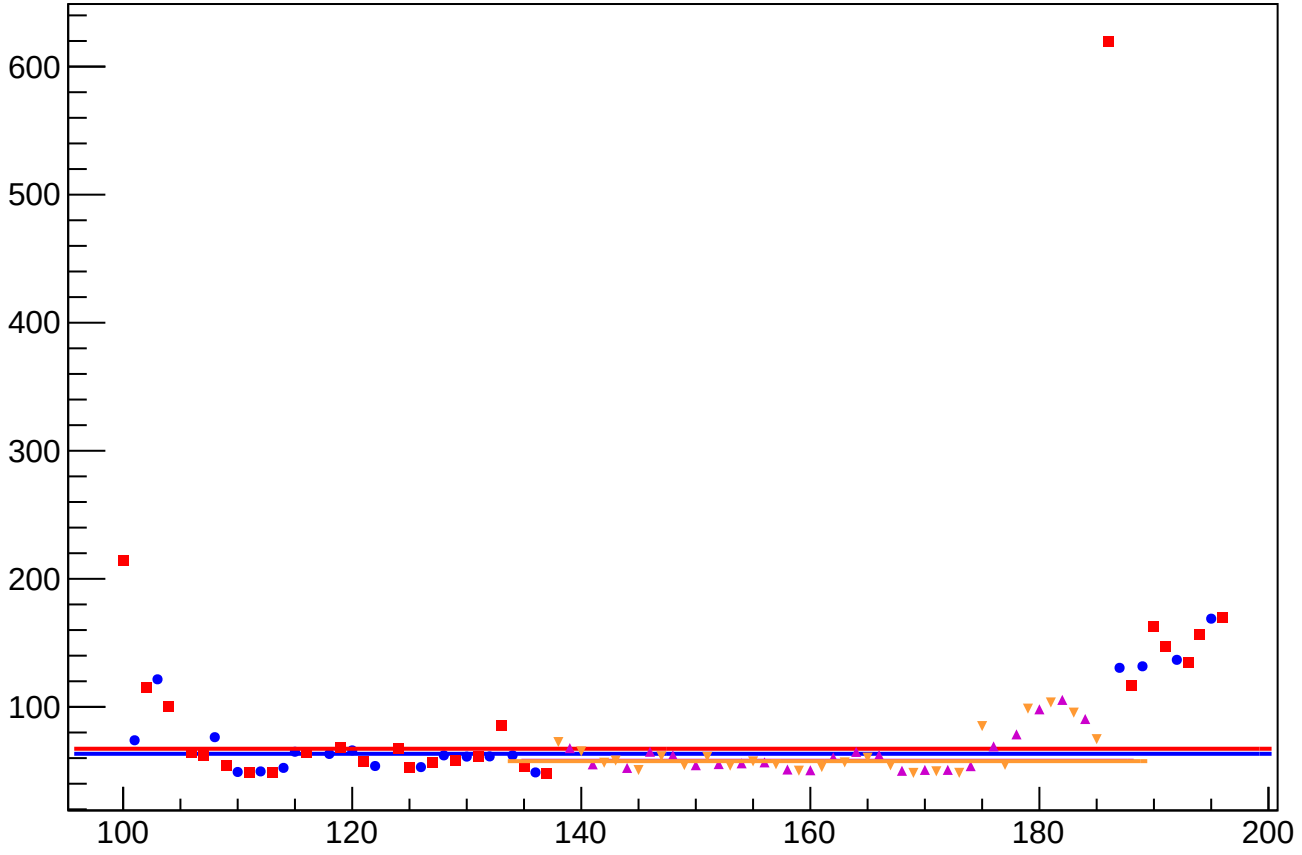
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.332+/-11.487 χ^2/NDF: 37.2/44

All: -2.101+/-8.203 χ^2/NDF: 130.2/93

- sign -41.067+/-11.720 χ^2/NDF: 71.3/48

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 63.370+/-0.015 χ^2/NDF: 2274270.6/19

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

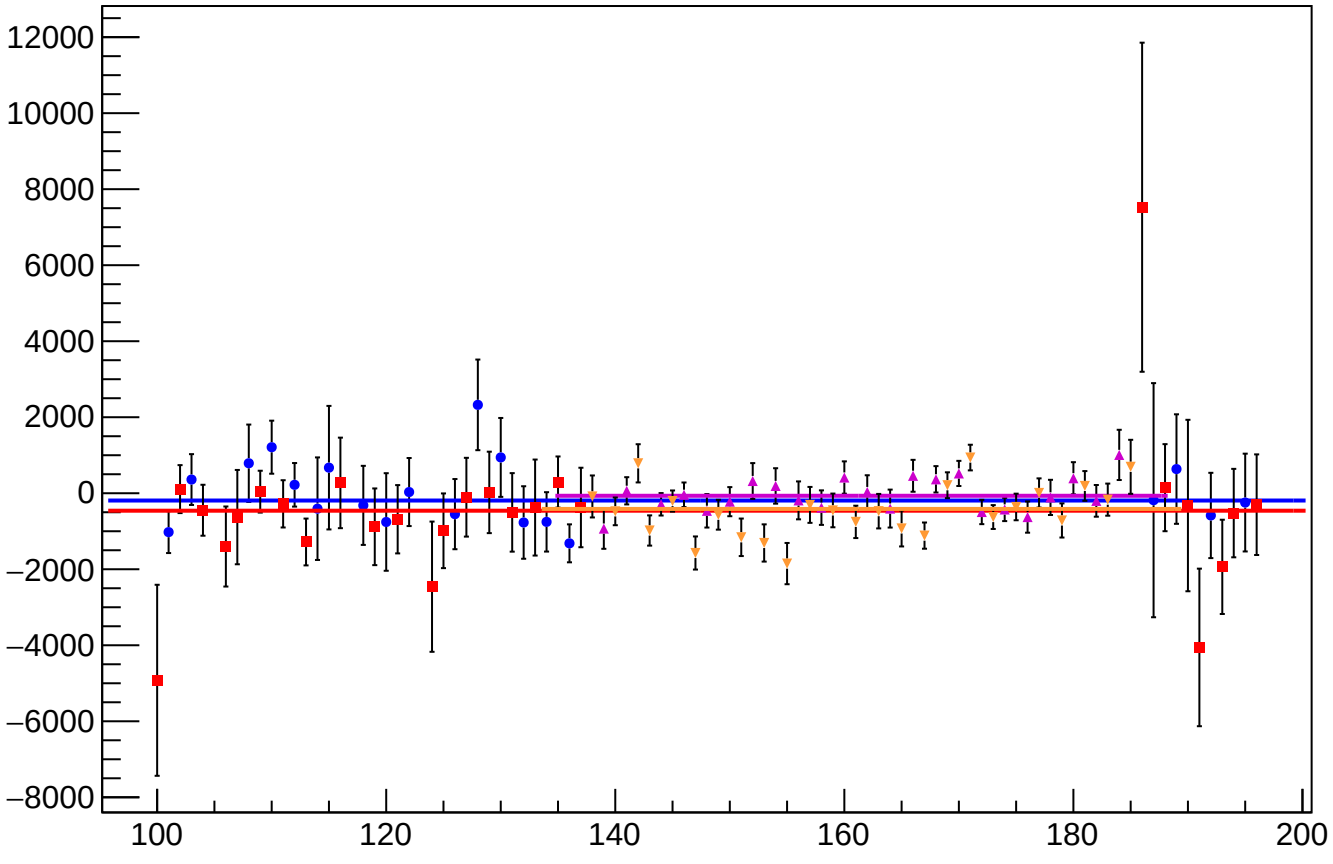
Right Out: 67.313+/-0.015 χ^2/NDF: 3934931.4/25

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 59.222+/-0.008 χ^2/NDF: 3739729.7/44

All: 59.937+/-0.006 χ^2/NDF: 9079733.7/93

- sign 60.682+/-0.008 χ^2/NDF: 5324169.8/48



Right In: -191.678+/-193.039 χ^2/NDF: 21.2/19

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

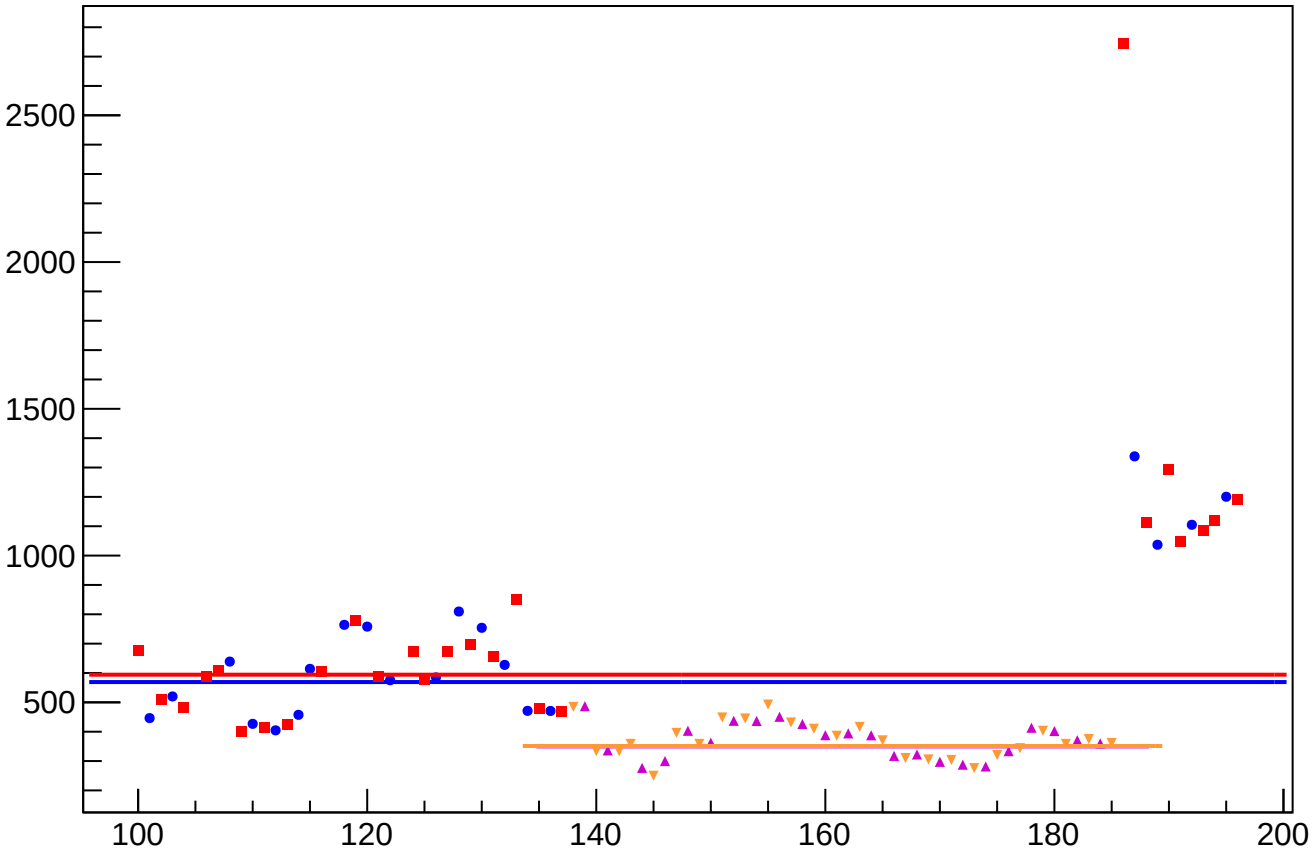
Right Out: -459.557+/-185.790 χ^2/NDF: 19.5/25

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.818+/-74.796 χ^2/NDF: 83.7/44

All: -257.689+/-53.255 χ^2/NDF: 135.2/93

- sign -132.115+/-75.844 χ^2/NDF: 46.1/48



Right In: 569.128+/-0.136 χ^2/NDF: 2031227.6/19

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 594.196+/-0.131 χ^2/NDF: 3256548.2/25

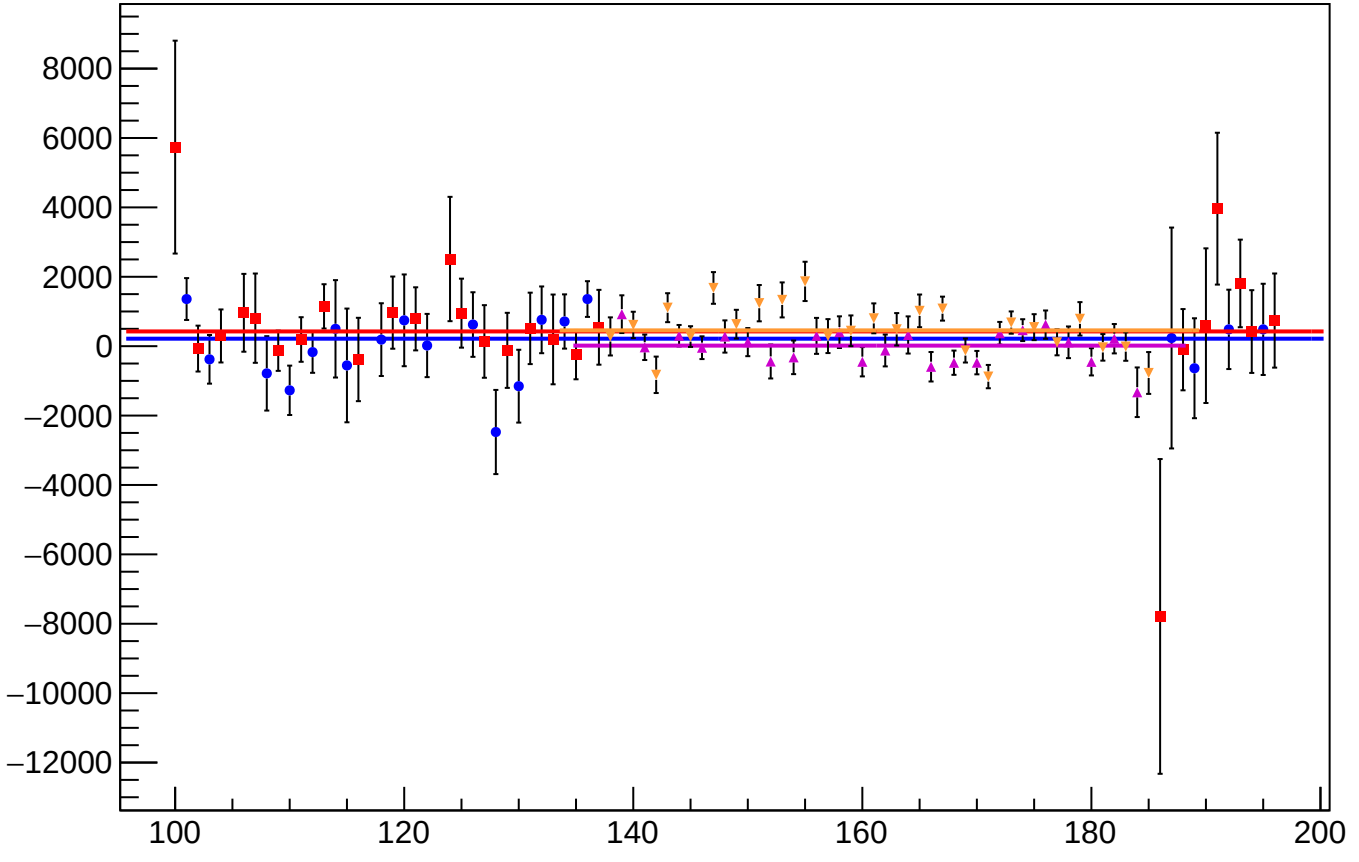
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 383.972+/-0.053 χ^2/NDF: 5314486.8/44

All: 387.209+/-0.038 χ^2/NDF: 12452736.8/93

- sign 390.538+/-0.054 χ^2/NDF: 7130650.1/48

asym_sam_1357_avg_mean vs Slug



Right In: 215.698+/-199.396 χ^2/NDF: 23.3/19

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 425.143+/-193.447 χ^2/NDF: 17.4/25

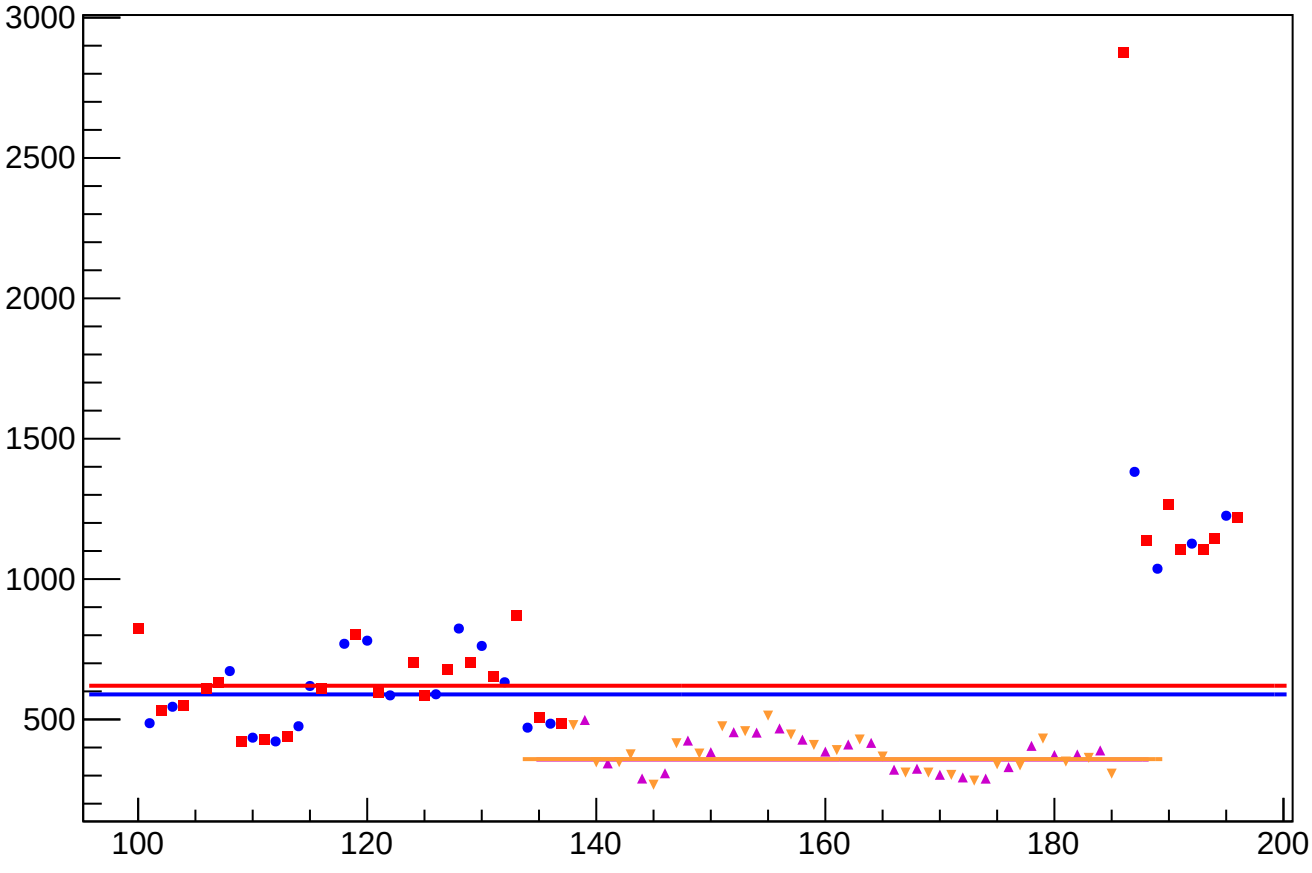
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.888+/-76.596 χ^2/NDF: 85.4/44

All: 253.363+/-54.544 χ^2/NDF: 141.0/93

- sign 82.050+/-77.689 χ^2/NDF: 46.0/48

asym_sam_1357_avg_rms vs Slug



Right In: 589.201+/-0.141 χ^2/NDF: 1931791.1/19

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

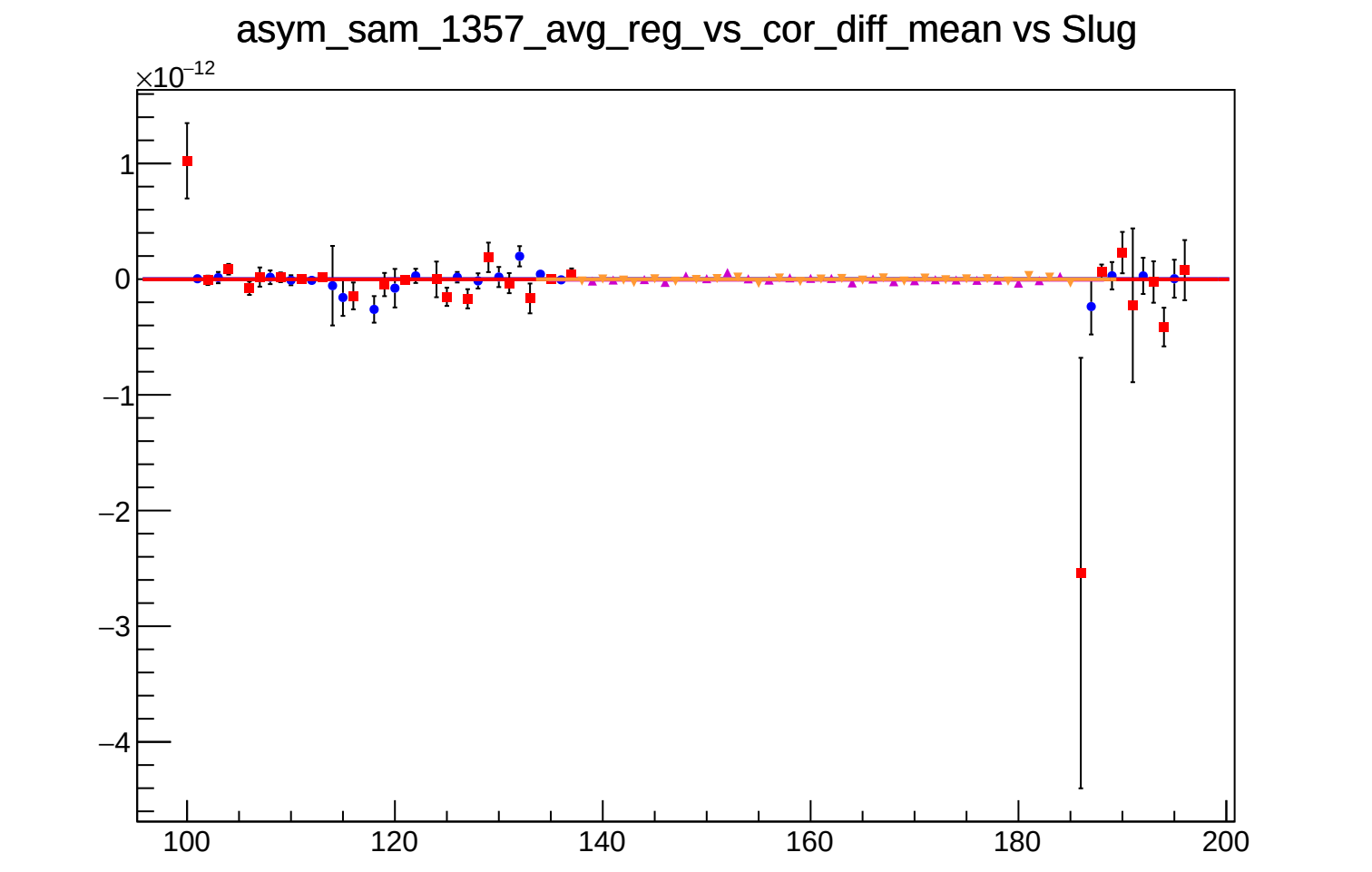
Right Out: 620.087+/-0.137 χ^2/NDF: 3105665.8/25

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 392.693+/-0.054 χ^2/NDF: 5330054.7/44

All: 396.090+/-0.039 χ^2/NDF: 12523589.8/93

- sign 399.585+/-0.055 χ^2/NDF: 7185554.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

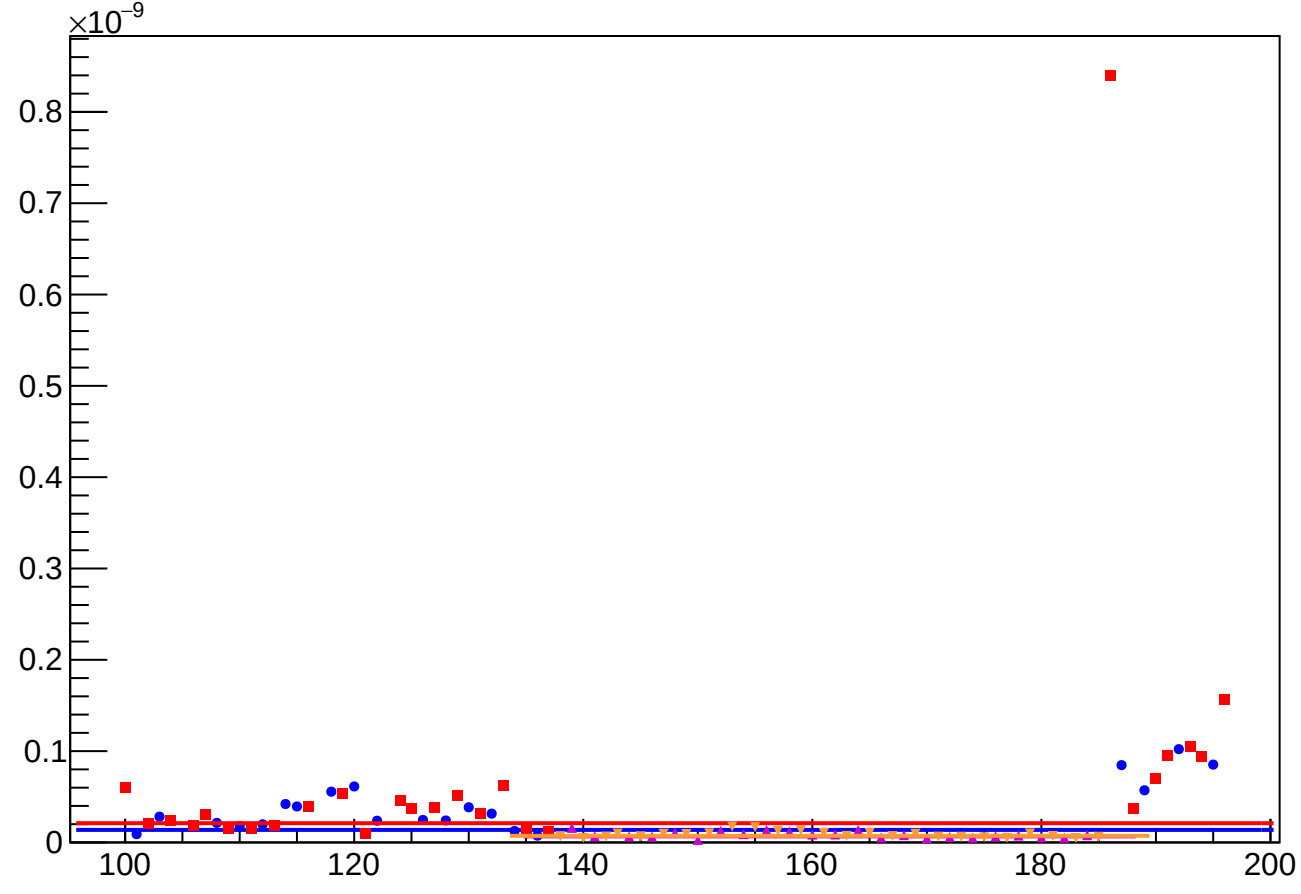
Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/25

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/44

All: -0.000+/-0.000 χ^2/NDF: 103.8/93

- sign -0.000+/-0.000 χ^2/NDF: 69.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 3235025.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

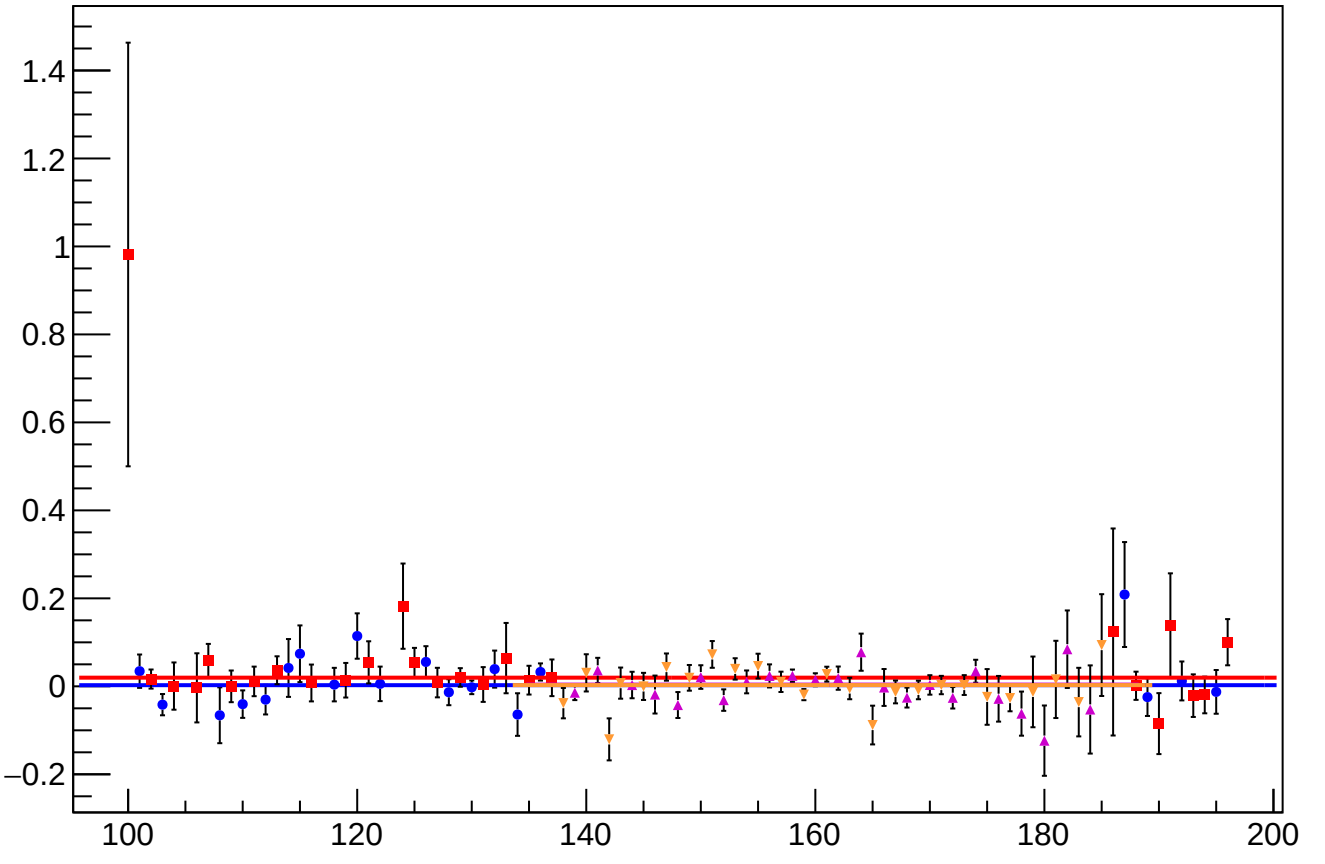
Right Out: 0.000+/-0.000 χ^2/NDF: 3453510.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5618938.7/44

All: 0.000+/-0.000 χ^2/NDF: 13650851.2/93

- sign 0.000+/-0.000 χ^2/NDF: 8009147.2/48



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

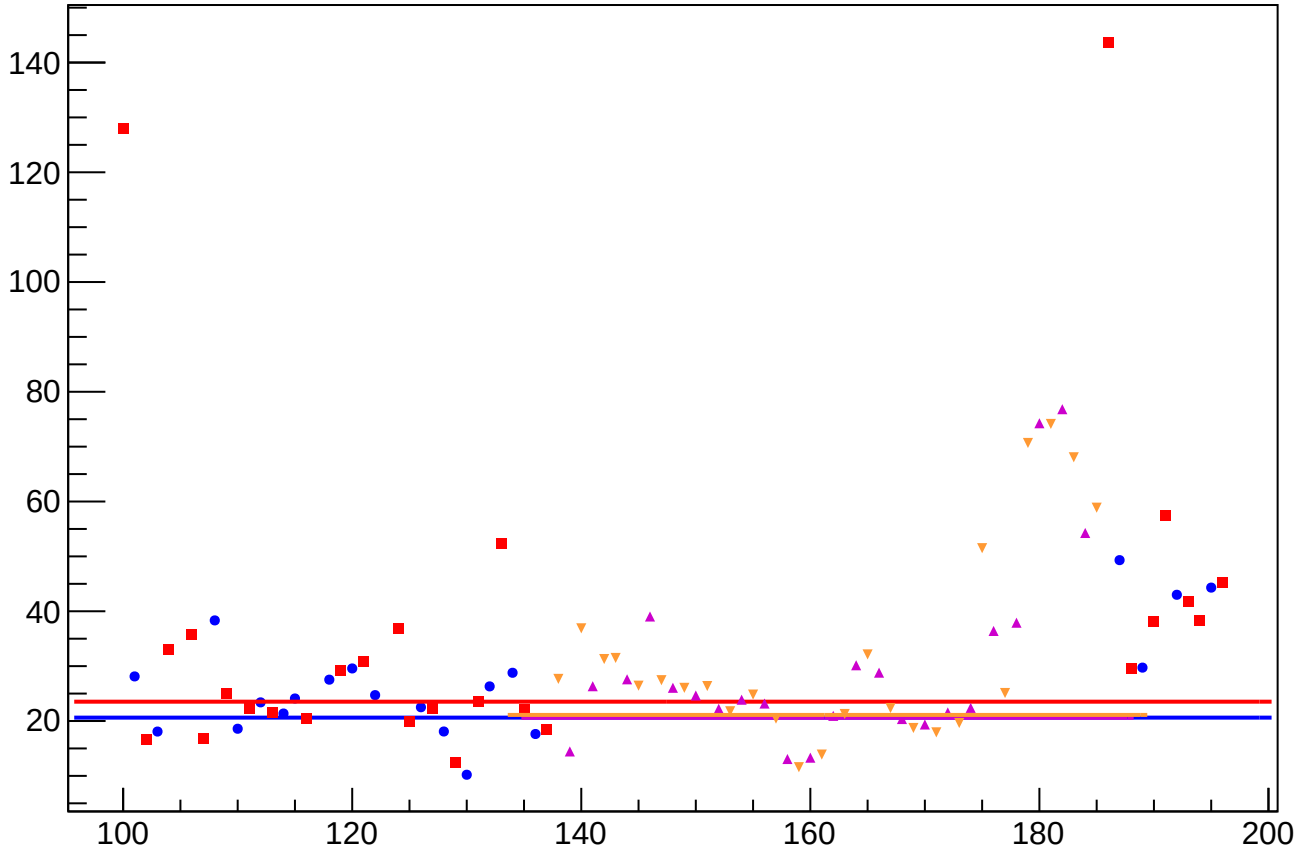
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.3/44

All: 0.006+/-0.003 χ^2/NDF: 105.3/93

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.616+/-0.005 χ^2/NDF: 2658579.0/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

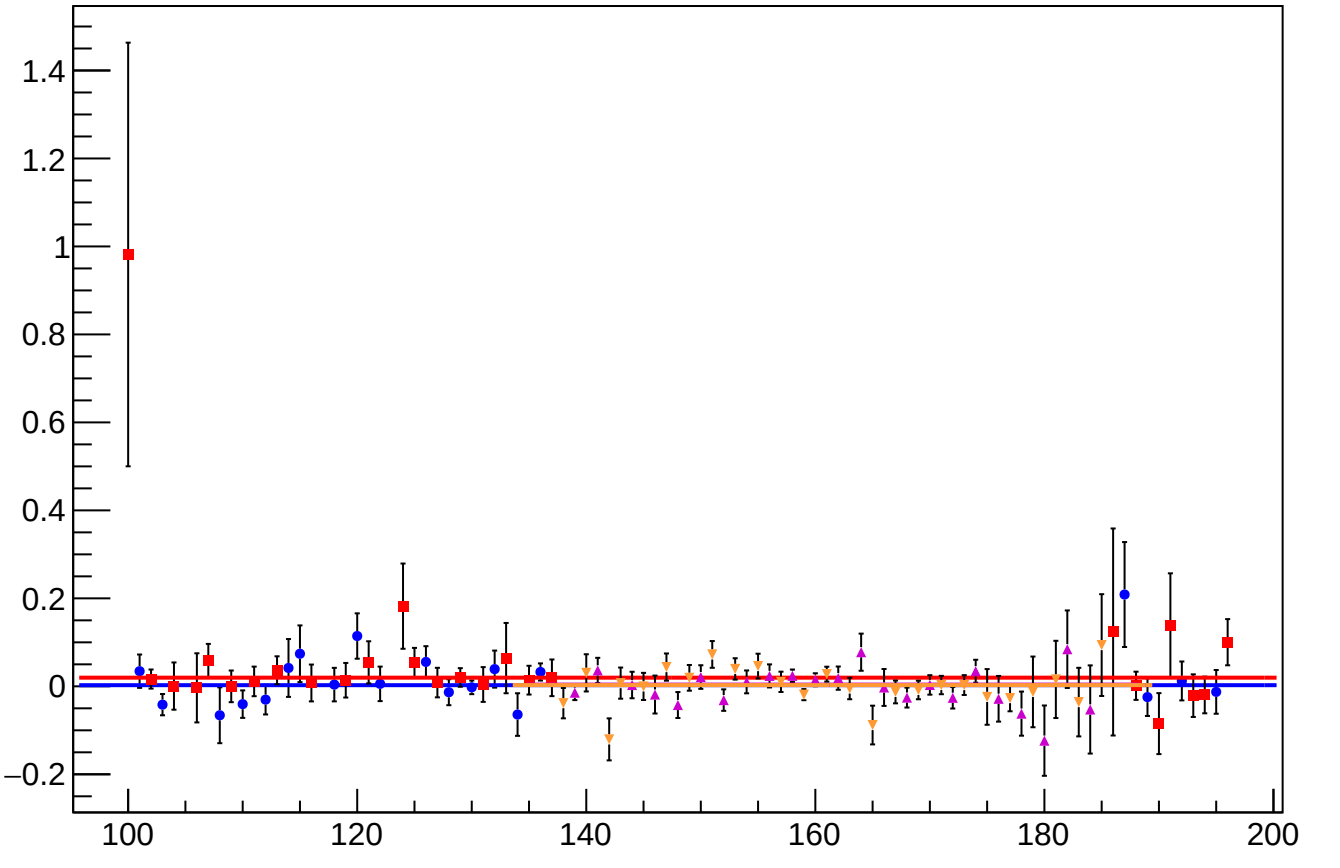
Right Out: 23.522+/-0.005 χ^2/NDF: 3222387.4/25

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.937+/-0.003 χ^2/NDF: 8210778.6/44

All: 21.244+/-0.002 χ^2/NDF: 16243924.9/93

- sign 21.557+/-0.003 χ^2/NDF: 8013533.2/48



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

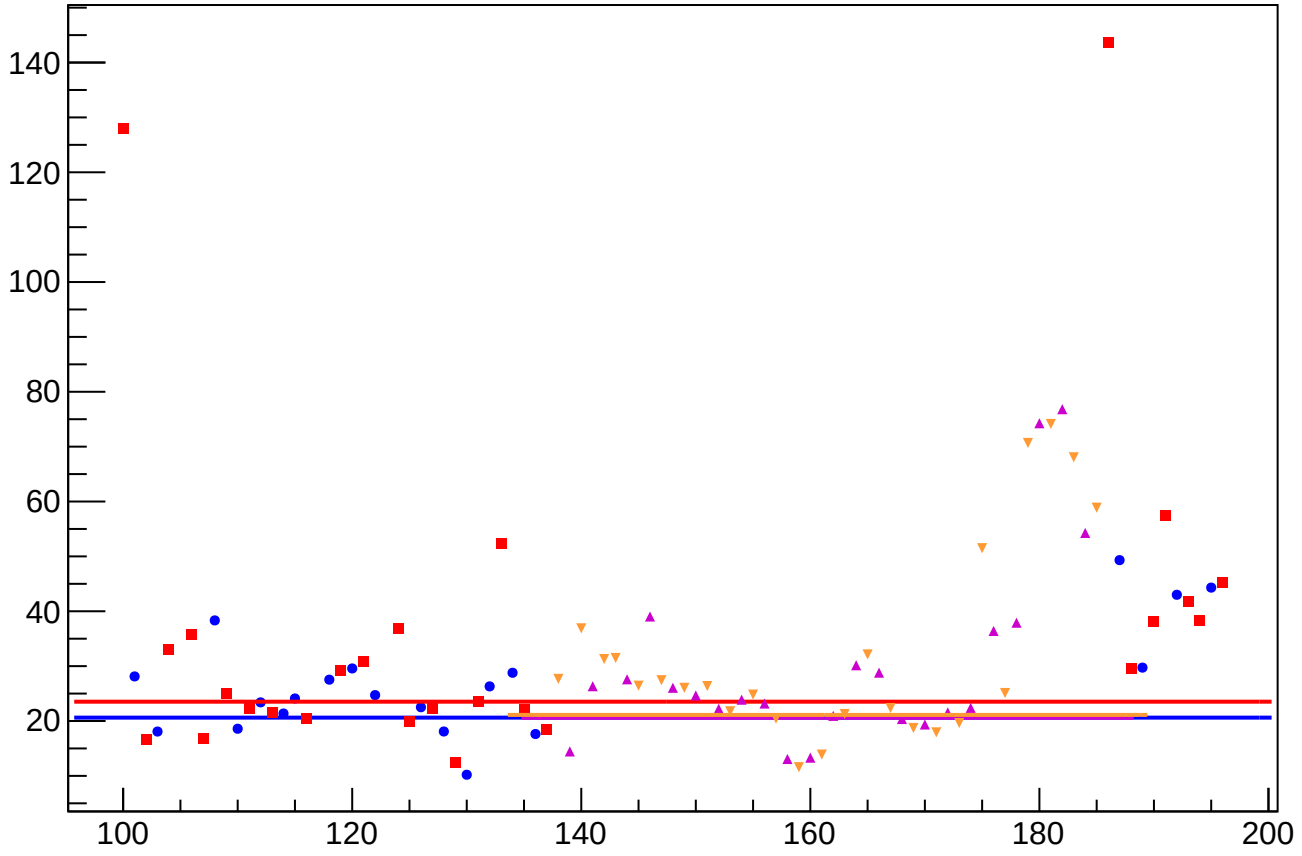
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.3/44

All: 0.006+/-0.003 χ^2/NDF: 105.3/93

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.616+/-0.005 χ^2/NDF: 2658579.0/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

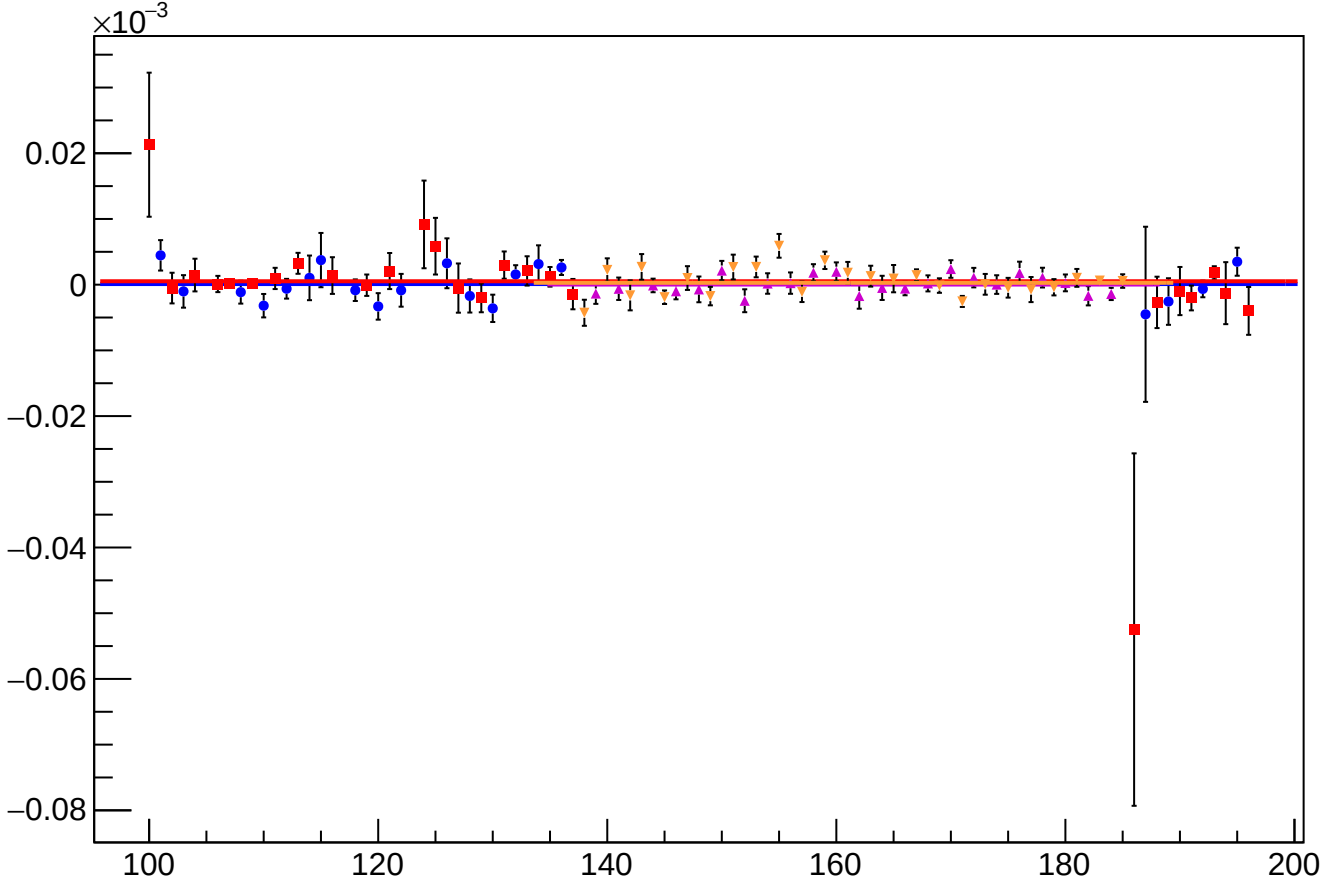
Right Out: 23.522+/-0.005 χ^2/NDF: 3222387.4/25

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.937+/-0.003 χ^2/NDF: 8210778.6/44

All: 21.244+/-0.002 χ^2/NDF: 16243924.9/93

- sign 21.557+/-0.003 χ^2/NDF: 8013533.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

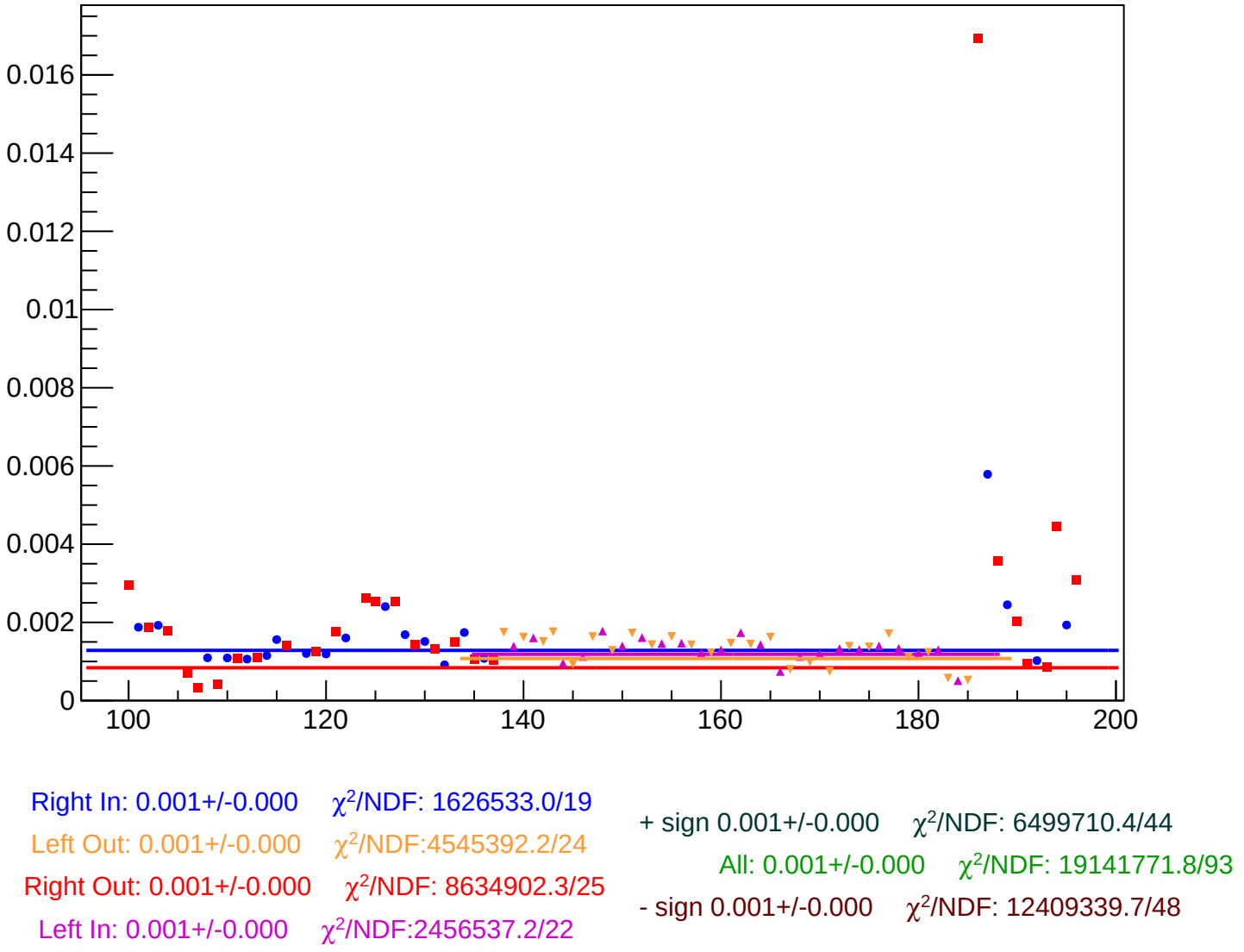
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/25

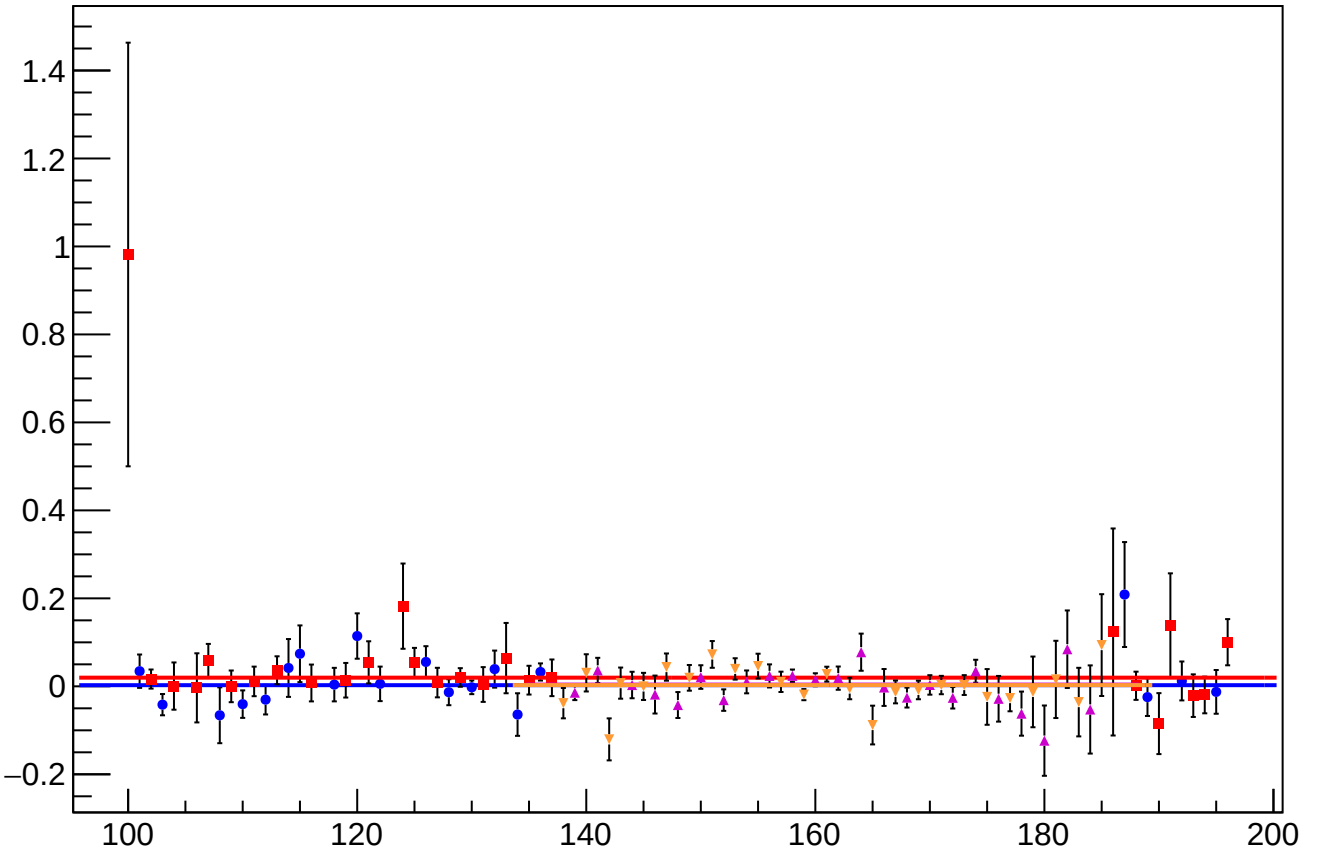
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.8/44

All: 0.000+/-0.000 χ^2/NDF: 126.6/93

- sign 0.000+/-0.000 χ^2/NDF: 46.8/48


asym_sam_1357_avg_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: 1626533.0/19
Left Out: 0.001+/-0.000 χ²/NDF:4545392.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 8634902.3/25
Left In: 0.001+/-0.000 χ²/NDF:2456537.2/22
+ sign 0.001+/-0.000 χ²/NDF: 6499710.4/44
All: 0.001+/-0.000 χ²/NDF: 19141771.8/93
- sign 0.001+/-0.000 χ²/NDF: 12409339.7/48



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

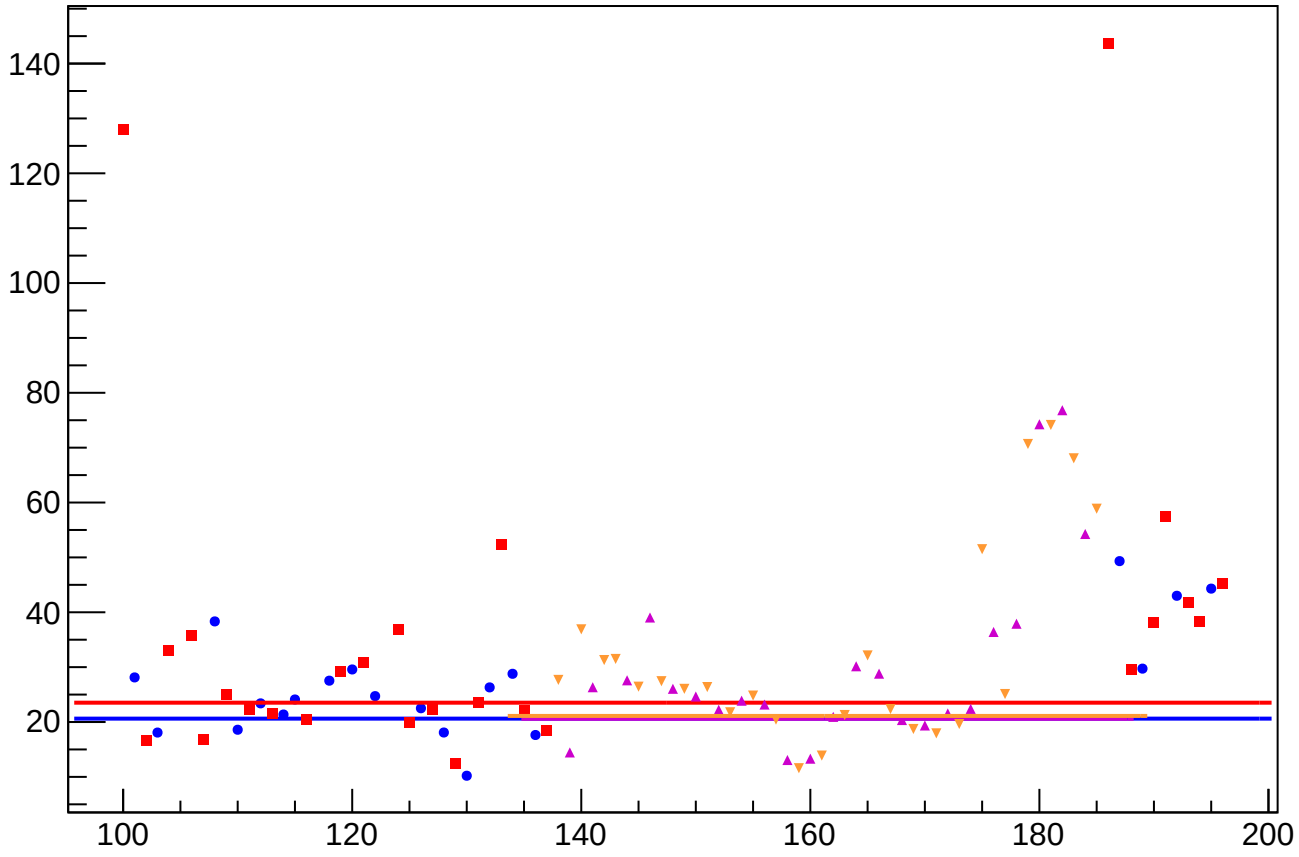
Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.3/44

All: 0.006+/-0.003 χ^2/NDF: 105.3/93

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

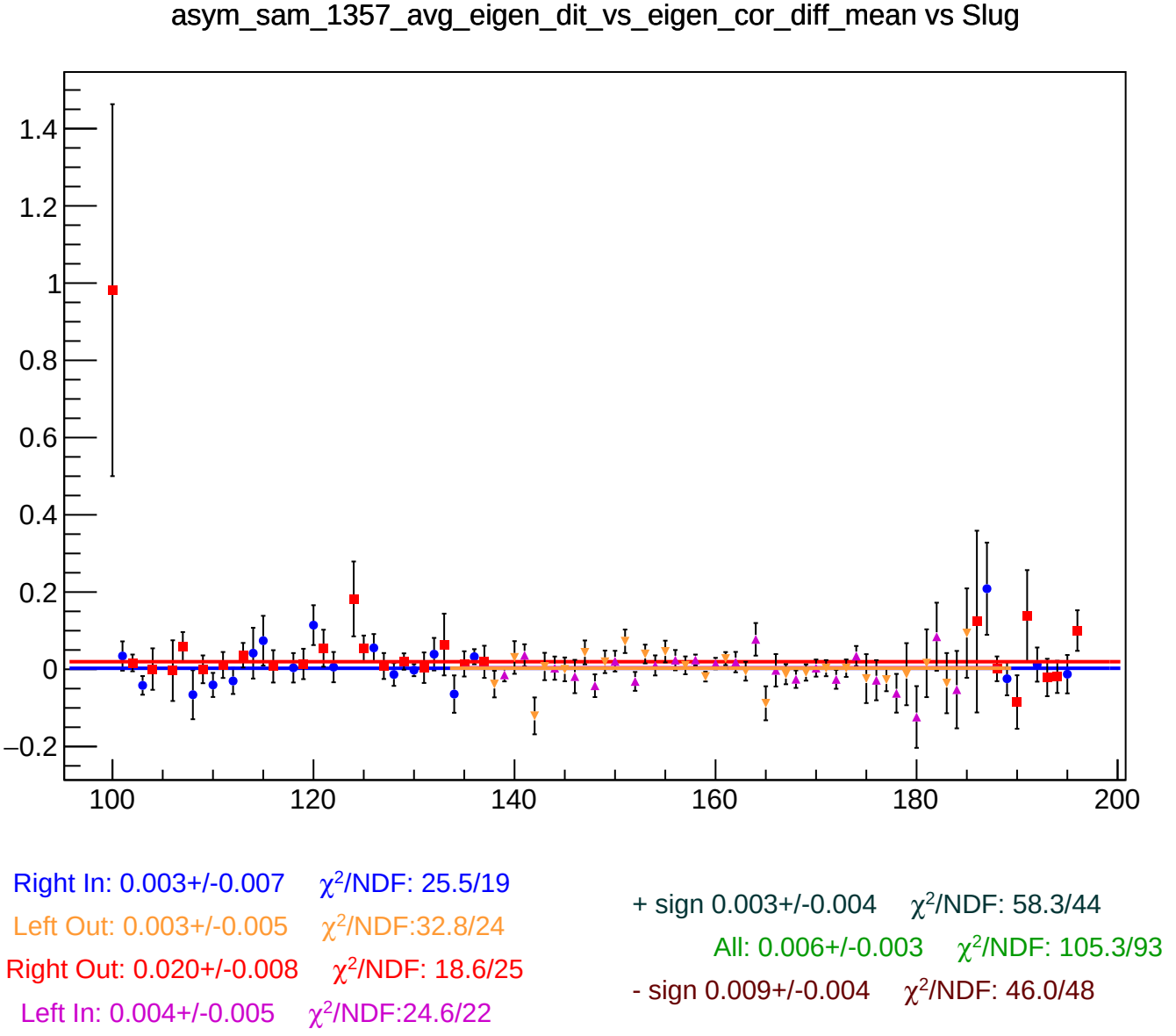
Right Out: 23.522+/-0.005 χ^2/NDF: 3222359.9/25

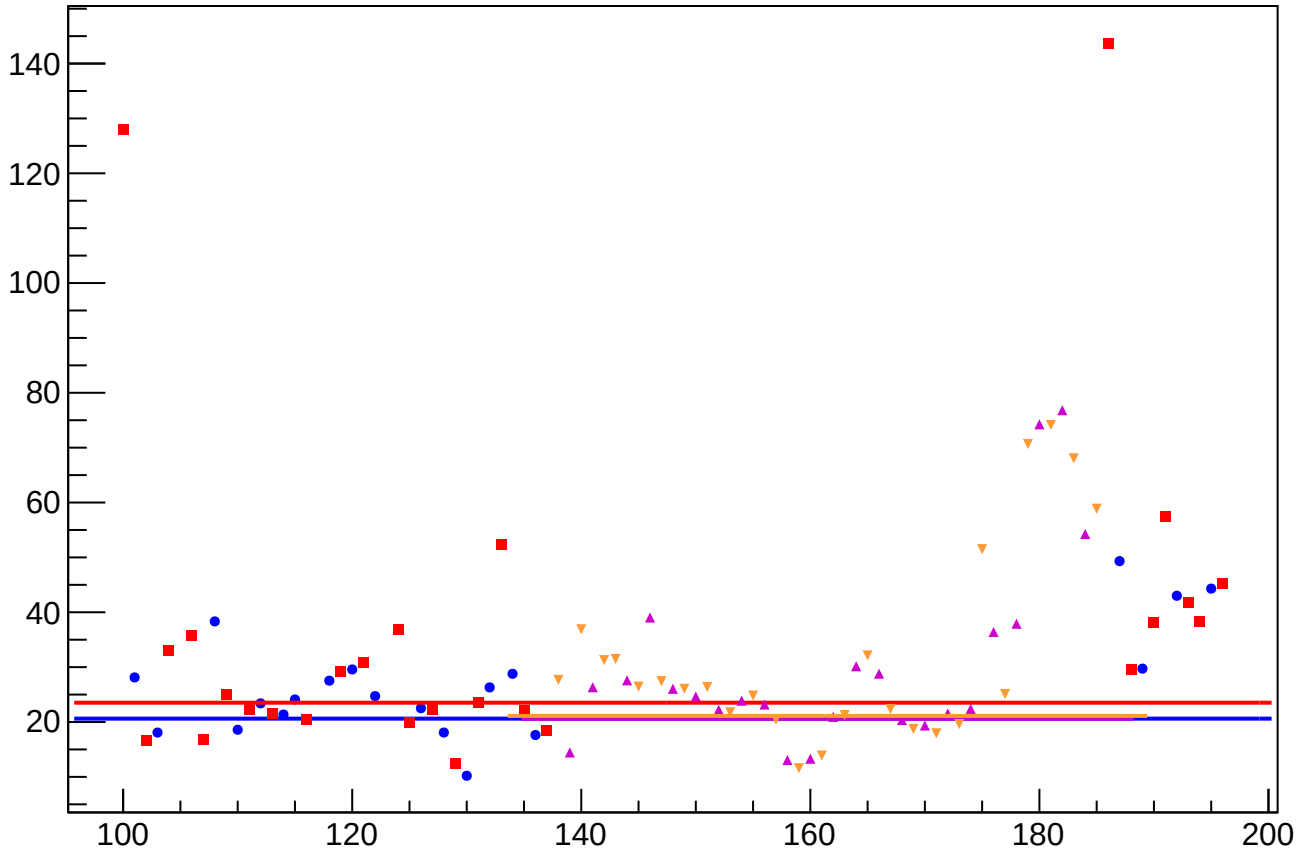
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.938+/-0.003 χ^2/NDF: 8210742.1/44

All: 21.244+/-0.002 χ^2/NDF: 16243863.0/93

- 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: 0.003+/-0.007 χ²/NDF: 25.5/19
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 0.003+/-0.004 χ²/NDF: 58.3/44
All: 0.006+/-0.003 χ²/NDF: 105.3/93
- sign 0.009+/-0.004 χ²/NDF: 46.0/48



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

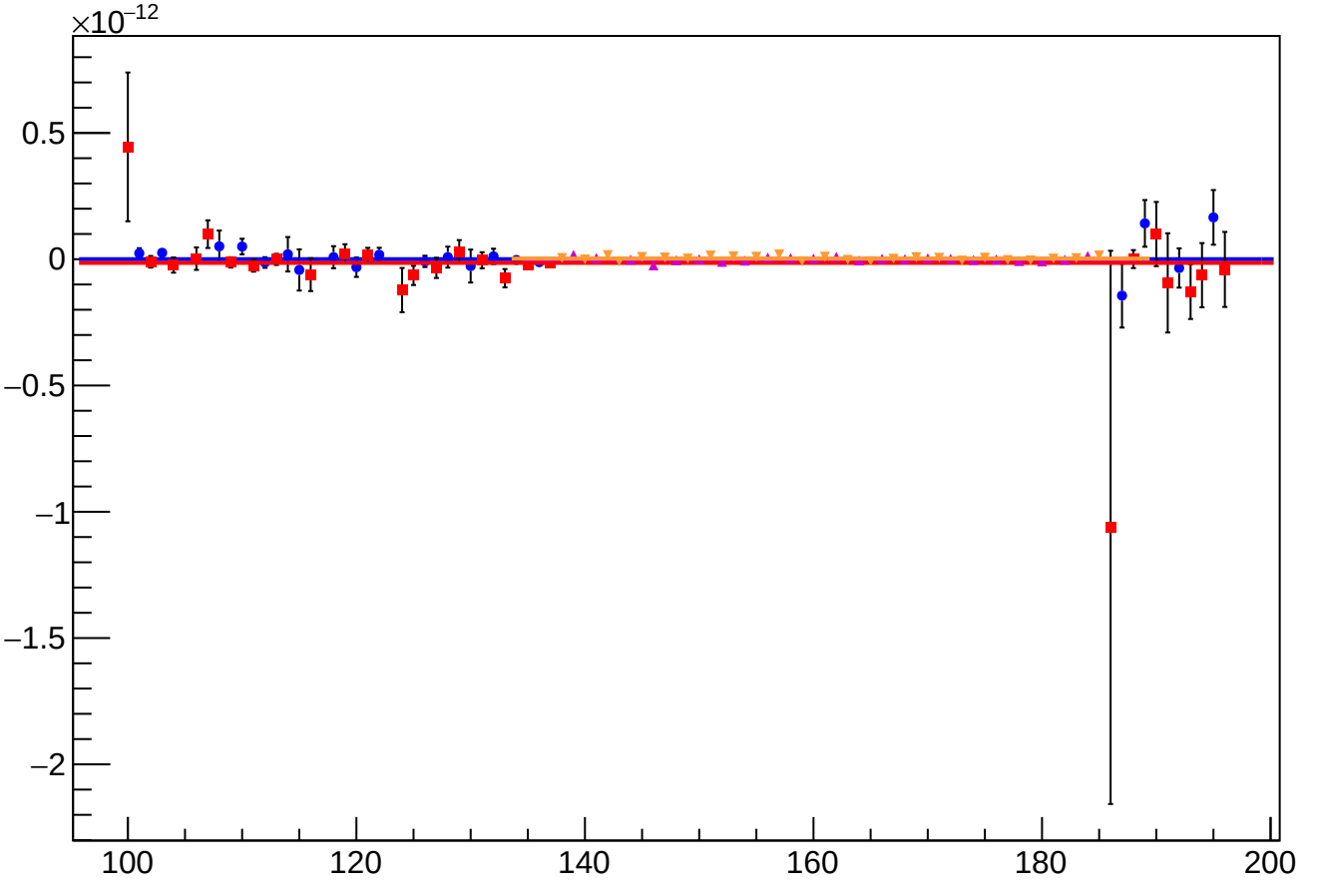
Right Out: 23.522+/-0.005 χ^2/NDF: 3222359.9/25

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.938+/-0.003 χ^2/NDF: 8210742.1/44

All: 21.244+/-0.002 χ^2/NDF: 16243863.0/93

- sign 21.558+/-0.003 χ^2/NDF: 8013505.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

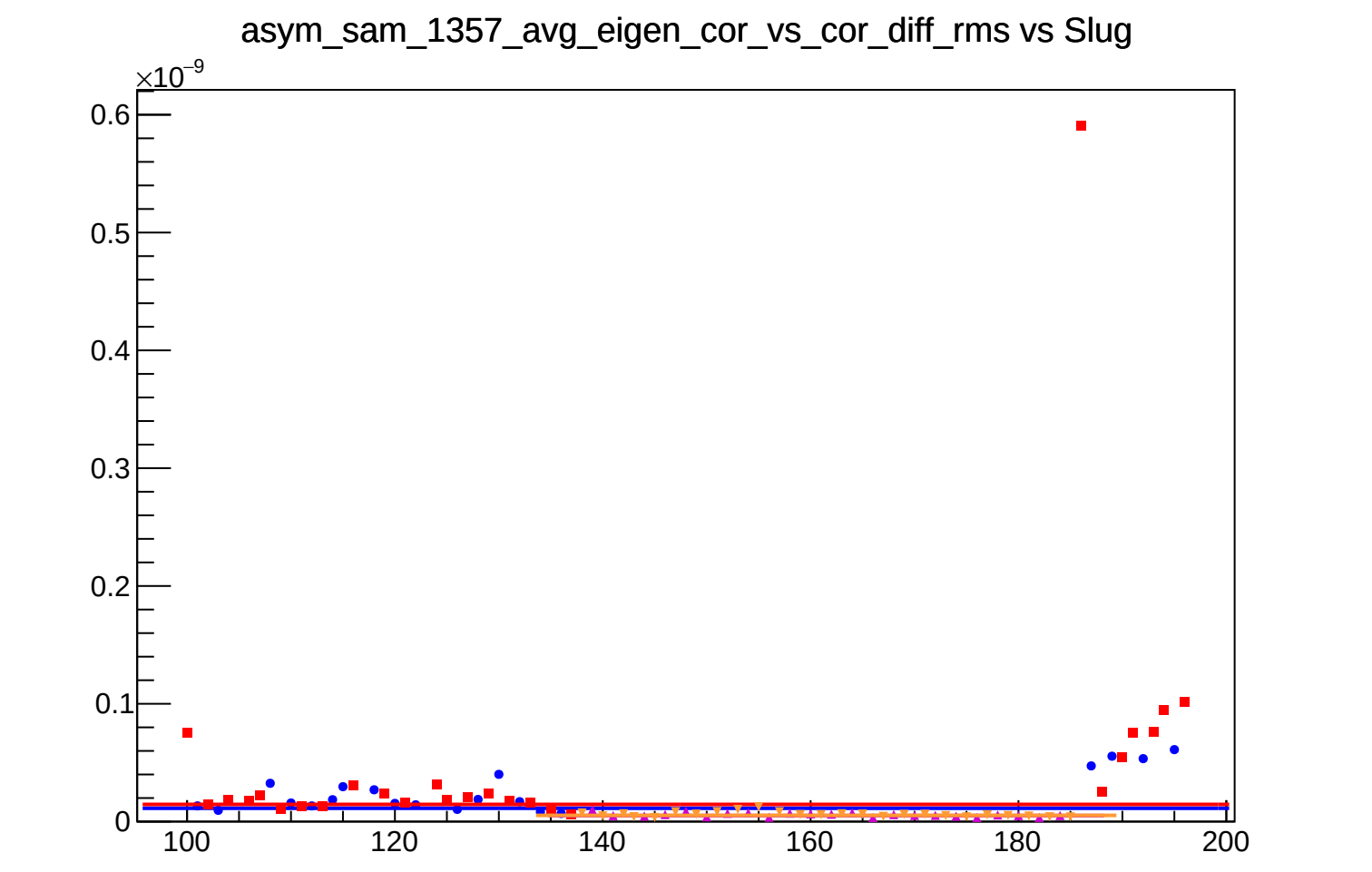
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/25

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/44

All: 0.000+/-0.000 χ^2/NDF: 87.8/93

- sign -0.000+/-0.000 χ^2/NDF: 46.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3487098.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4713968.4/25

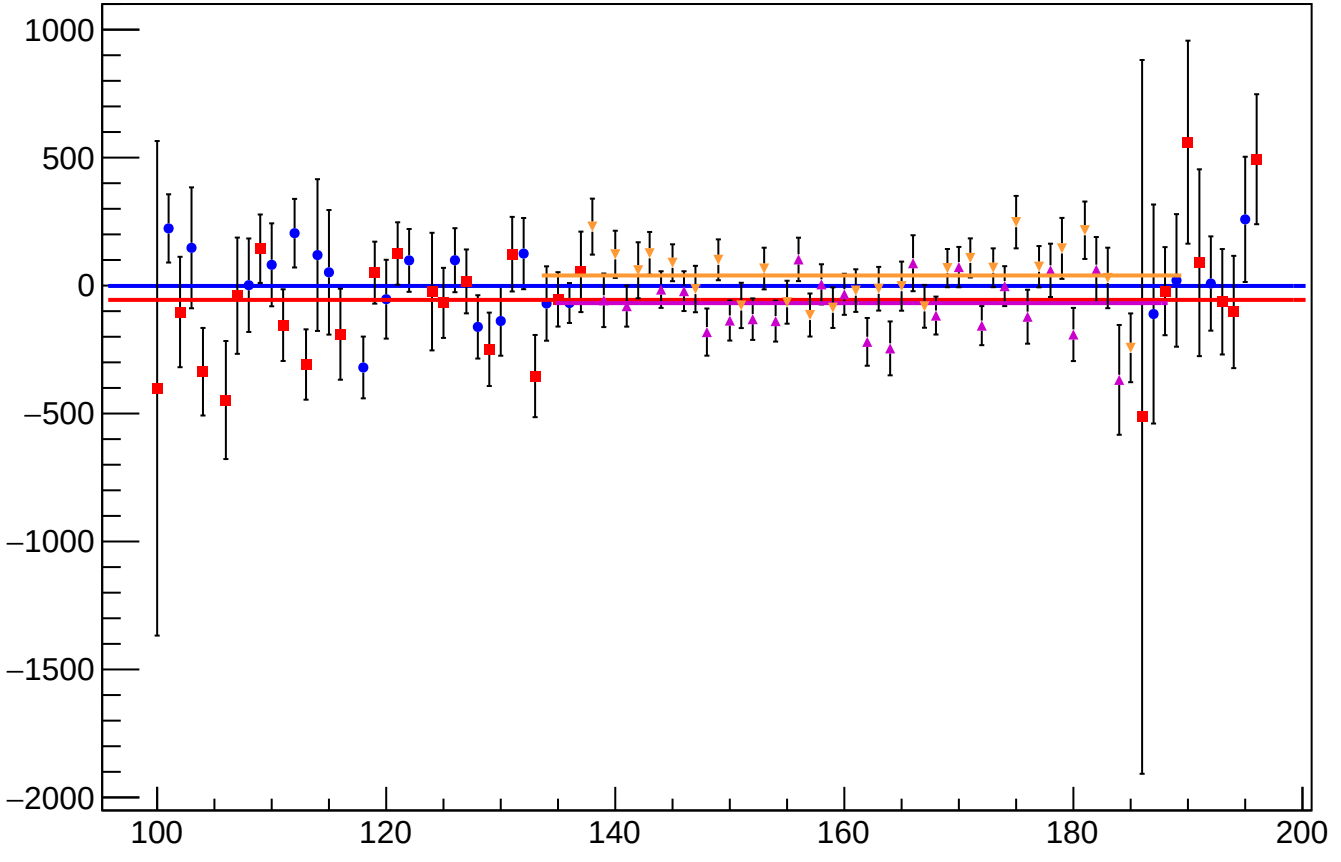
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7730233.9/44

All: 0.000+/-0.000 χ^2/NDF: 18330782.9/93

- sign 0.000+/-0.000 χ^2/NDF: 10596756.3/48

reg_asym_sam_2468_avg_mean vs Slug



Right In: -1.449+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.950+/-32.795 χ^2/NDF: 30.5/25

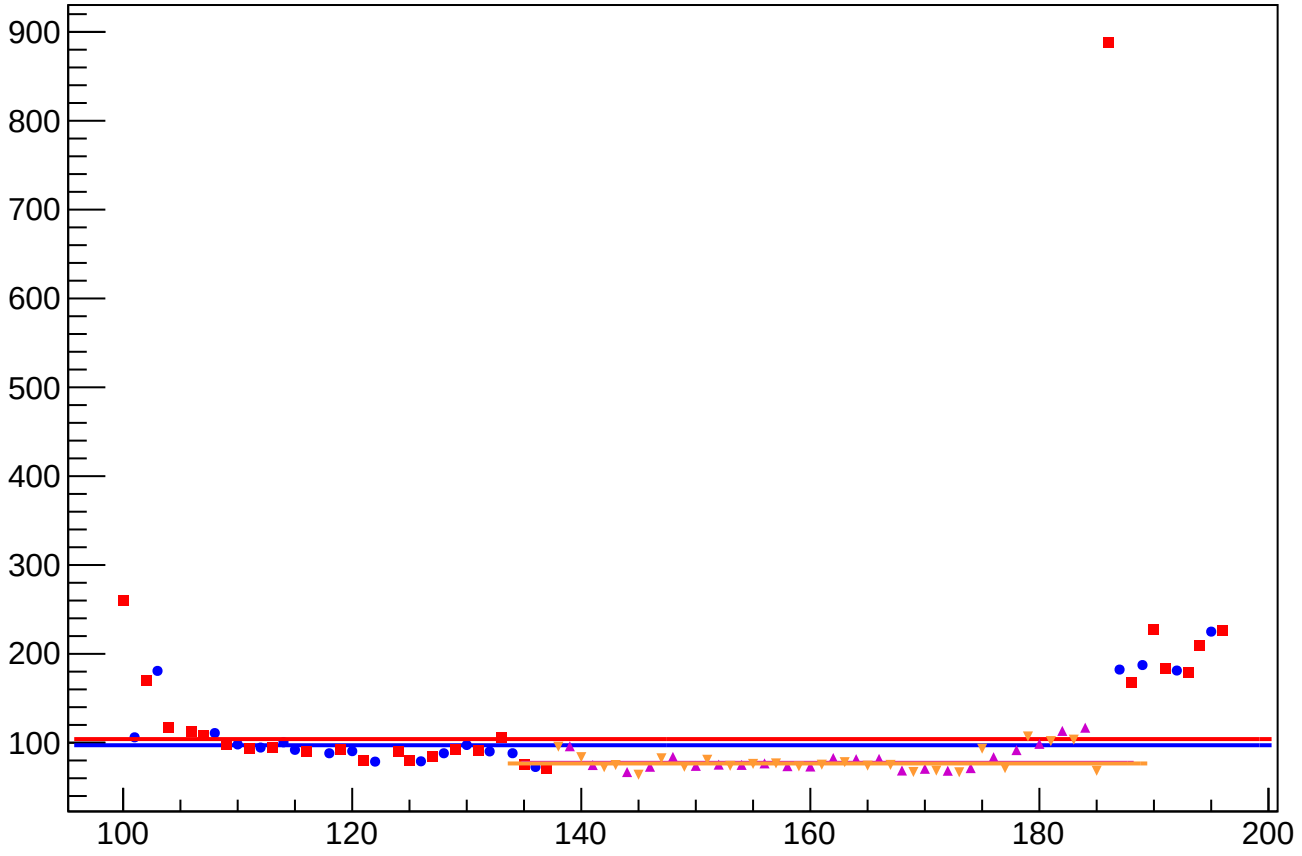
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.369+/-15.577 χ^2/NDF: 53.3/44

All: -16.358+/-11.158 χ^2/NDF: 131.4/93

- sign -65.607+/-15.992 χ^2/NDF: 59.6/48

reg_asym_sam_2468_avg_rms vs Slug



Right In: 97.155+/-0.023 χ^2/NDF: 1880204.4/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

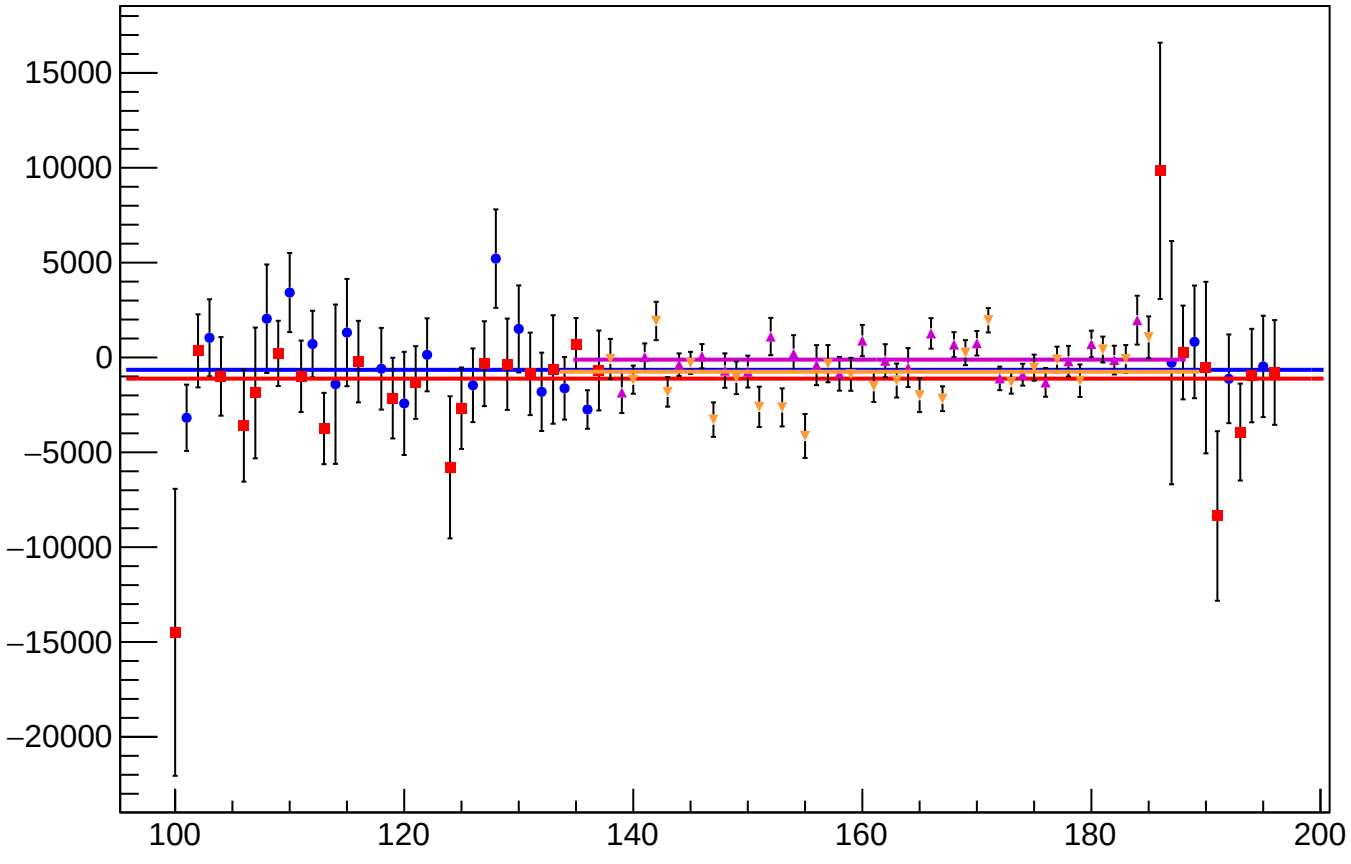
Right Out: 104.083+/-0.023 χ^2/NDF: 3162305.5/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.211+/-0.011 χ^2/NDF: 3134665.9/44

All: 82.425+/-0.008 χ^2/NDF: 7925406.6/93

- sign 83.705+/-0.011 χ^2/NDF: 4765766.8/48



Right In: -650.227+/-461.948 χ^2/NDF: 20.6/19

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1115.576+/-456.777 χ^2/NDF: 18.3/25

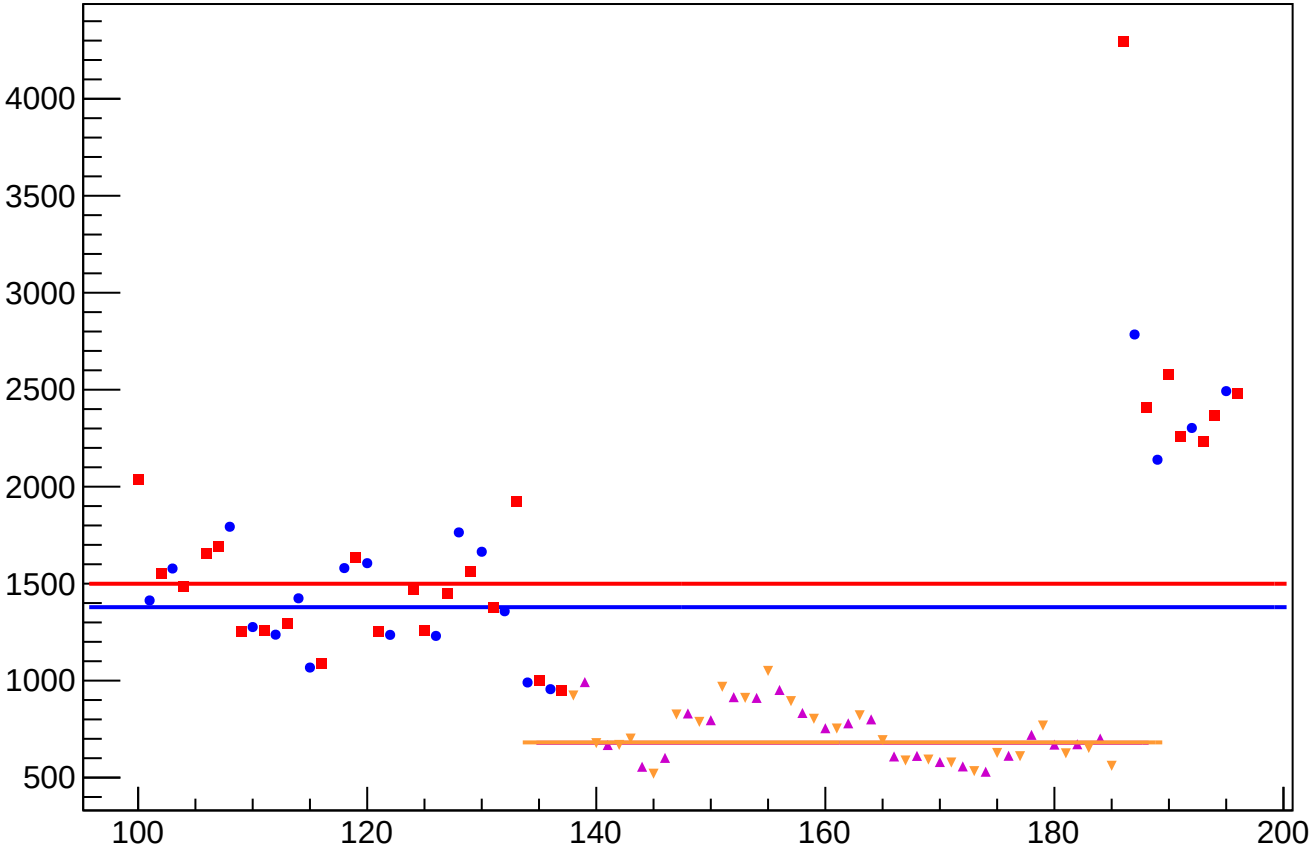
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -739.219+/-149.566 χ^2/NDF: 90.6/44

All: -487.383+/-106.789 χ^2/NDF: 144.0/93

- sign -225.493+/-152.522 χ^2/NDF: 47.6/48

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1378.735+/-0.327 χ^2/NDF: 1578467.3/19

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1499.479+/-0.323 χ^2/NDF: 2152712.2/25

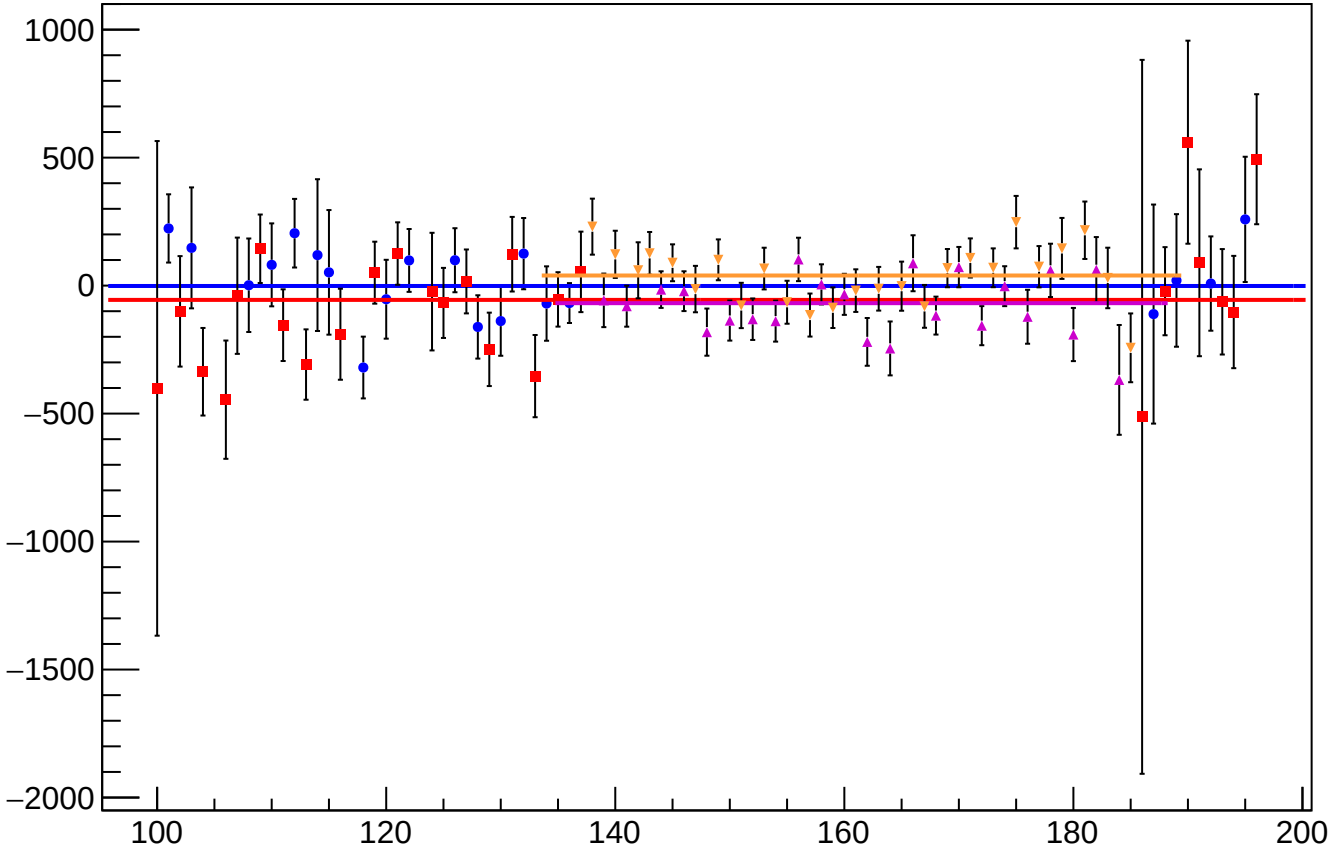
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 754.524+/-0.106 χ^2/NDF: 6992110.9/44

All: 762.526+/-0.076 χ^2/NDF: 16069448.1/93

- sign 770.847+/-0.108 χ^2/NDF: 9065660.1/48

cor_asym_sam_2468_avg_mean vs Slug



Right In: -1.458+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.821+/-32.797 χ^2/NDF: 30.4/25

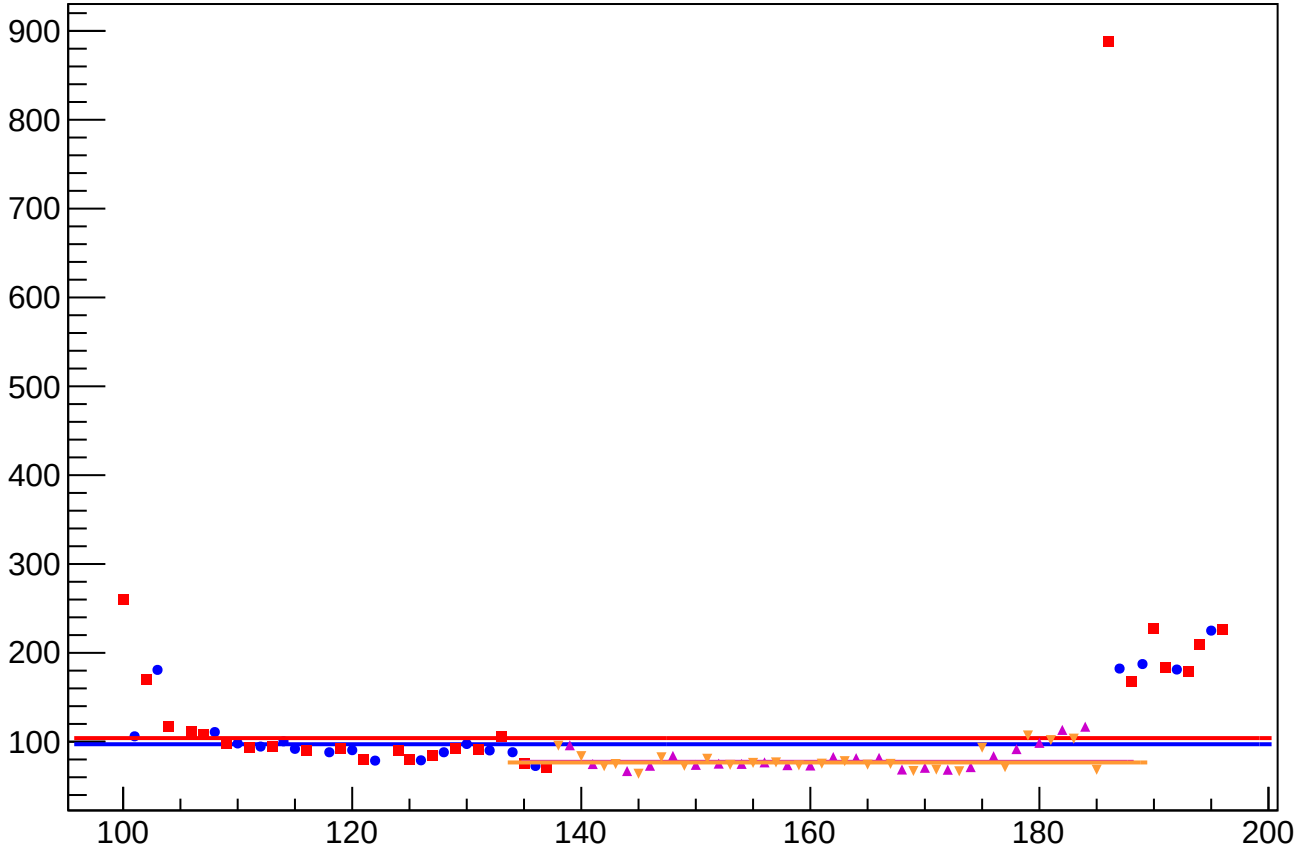
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.373+/-15.577 χ^2/NDF: 53.3/44

All: -16.340+/-11.158 χ^2/NDF: 131.3/93

- sign -65.577+/-15.992 χ^2/NDF: 59.5/48

cor_asym_sam_2468_avg_rms vs Slug



Right In: 97.155+/-0.023 χ^2/NDF: 1880208.0/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

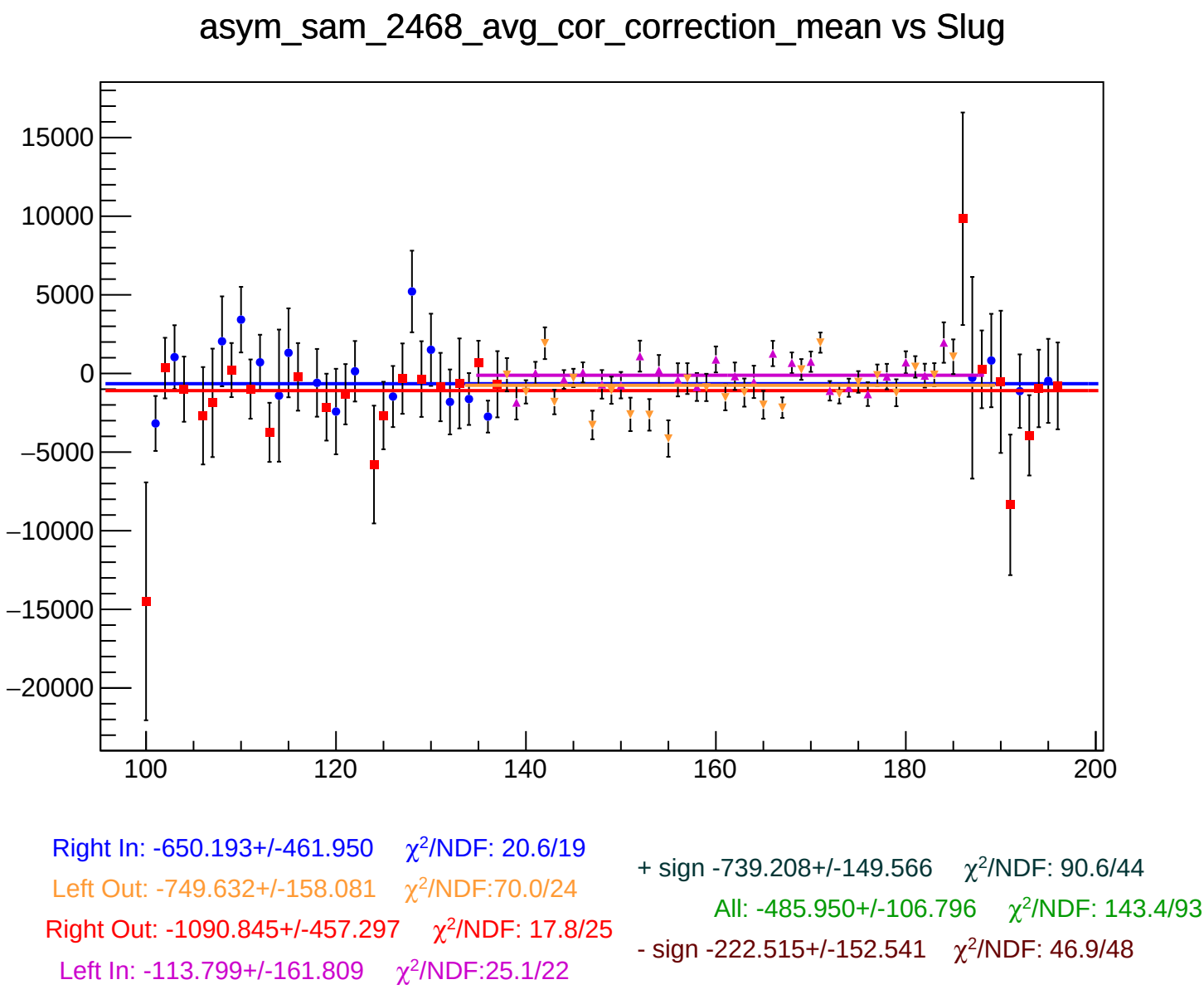
Right Out: 104.056+/-0.023 χ^2/NDF: 3161760.3/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

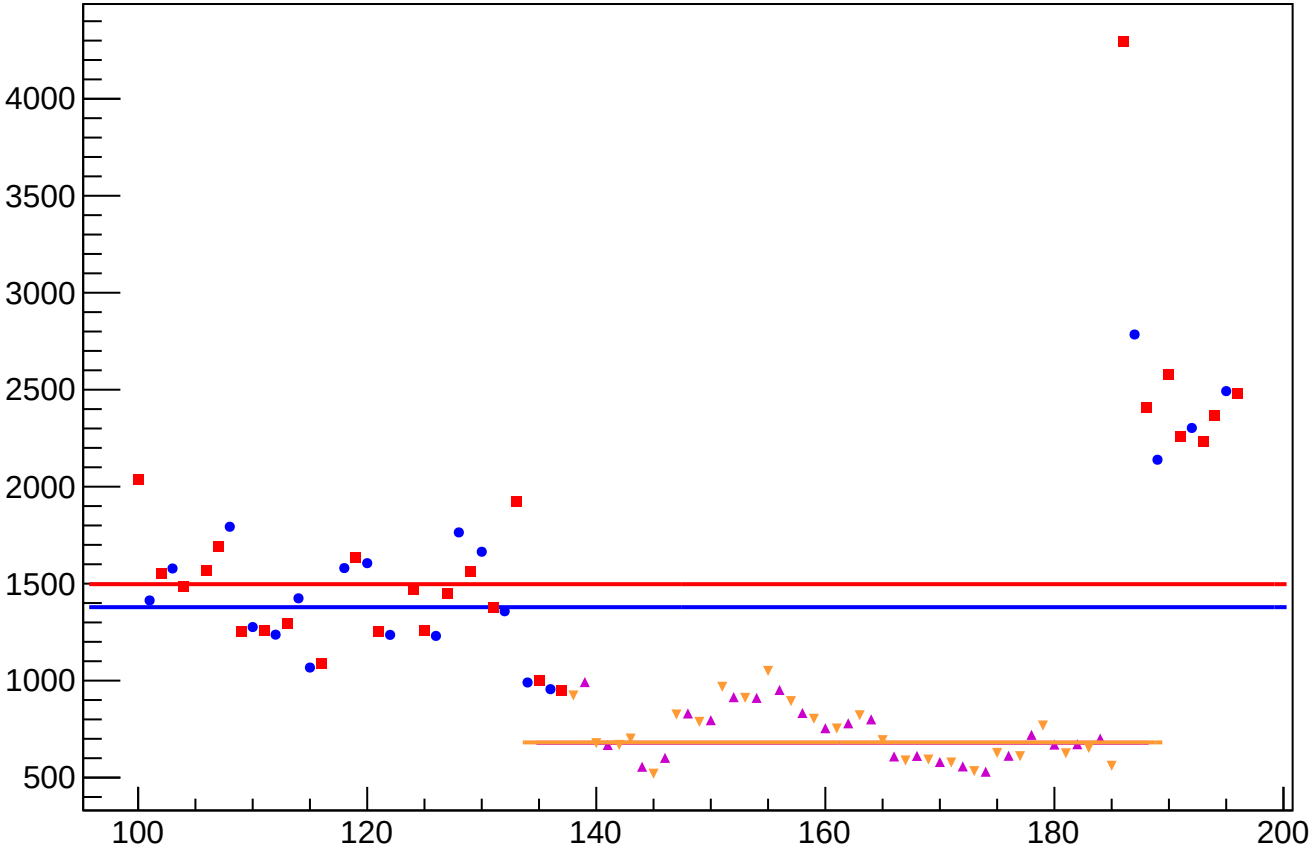
+ sign 81.211+/-0.011 χ^2/NDF: 3134669.4/44

All: 82.422+/-0.008 χ^2/NDF: 7922611.3/93

- sign 83.698+/-0.011 χ^2/NDF: 4763105.8/48


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -650.193+/-461.950 χ²/NDF: 20.6/19
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1090.845+/-457.297 χ²/NDF: 17.8/25
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -739.208+/-149.566 χ²/NDF: 90.6/44
All: -485.950+/-106.796 χ²/NDF: 143.4/93
- sign -222.515+/-152.541 χ²/NDF: 46.9/48

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1378.739+/-0.327 χ^2/NDF: 1578488.5/19

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1497.305+/-0.323 χ^2/NDF: 2148159.7/25

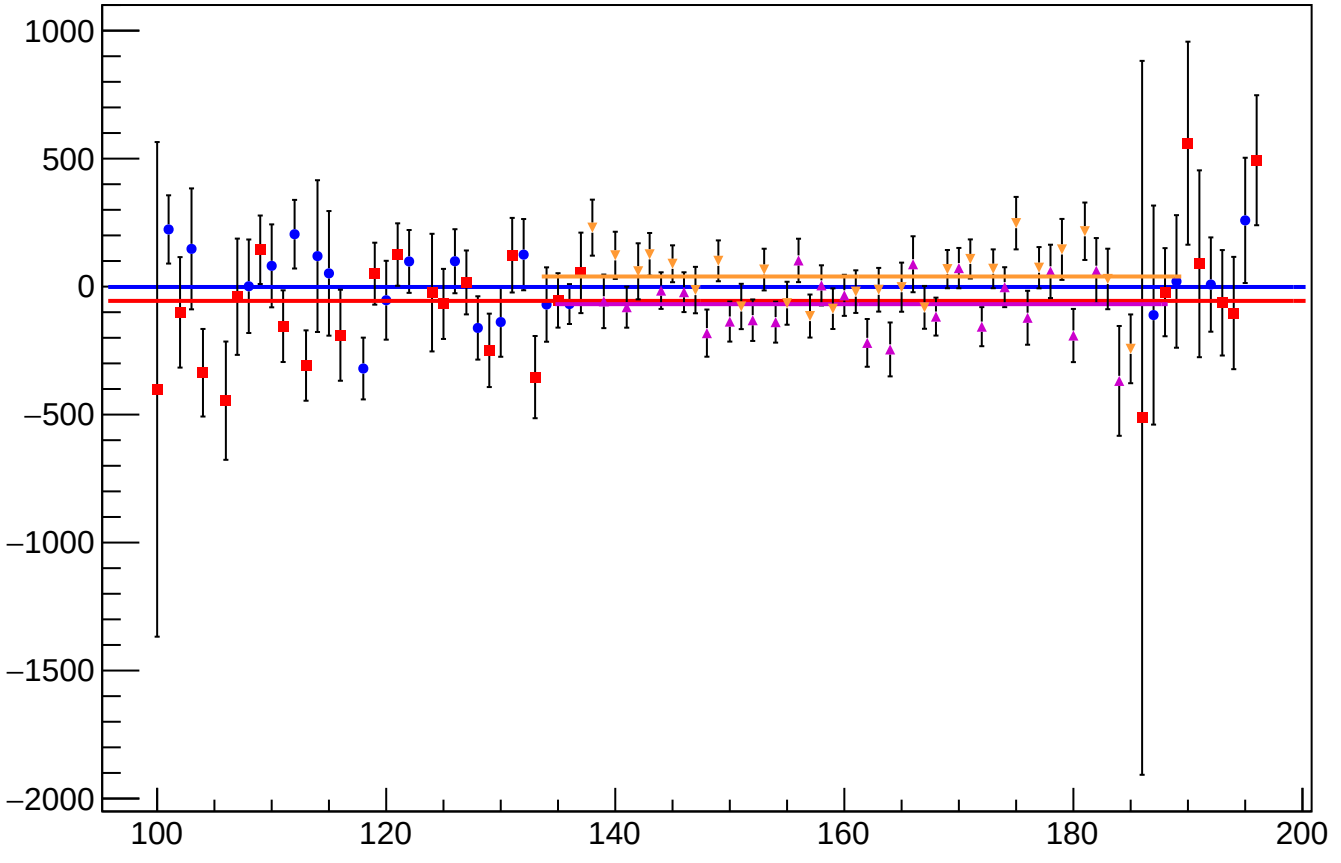
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 754.524+/-0.106 χ^2/NDF: 6992154.3/44

All: 762.316+/-0.076 χ^2/NDF: 16022488.9/93

- sign 770.421+/-0.108 χ^2/NDF: 9019260.7/48

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -1.458+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.821+/-32.797 χ^2/NDF: 30.4/25

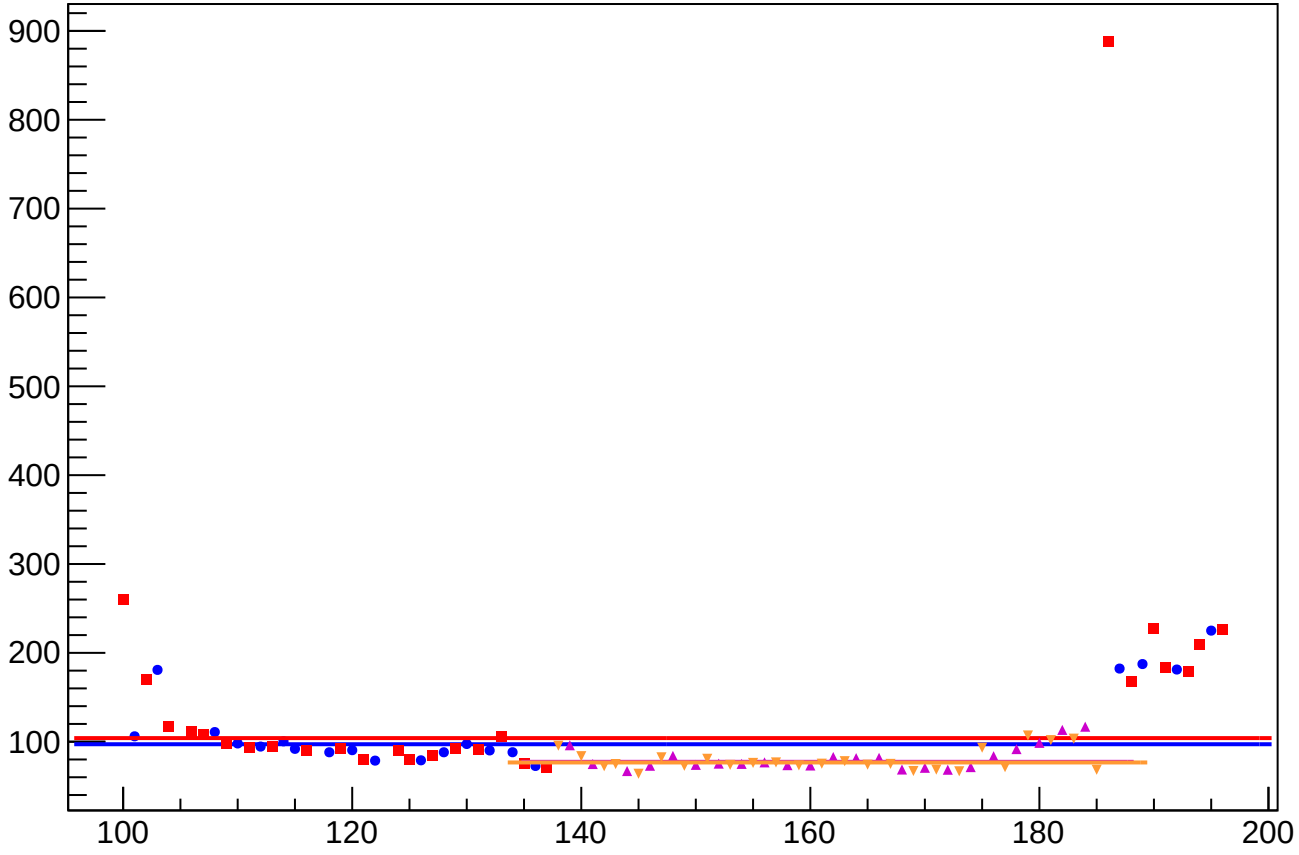
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.373+/-15.577 χ^2/NDF: 53.3/44

All: -16.340+/-11.158 χ^2/NDF: 131.3/93

- sign -65.577+/-15.992 χ^2/NDF: 59.5/48

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 97.155+/-0.023 χ^2/NDF: 1880208.0/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

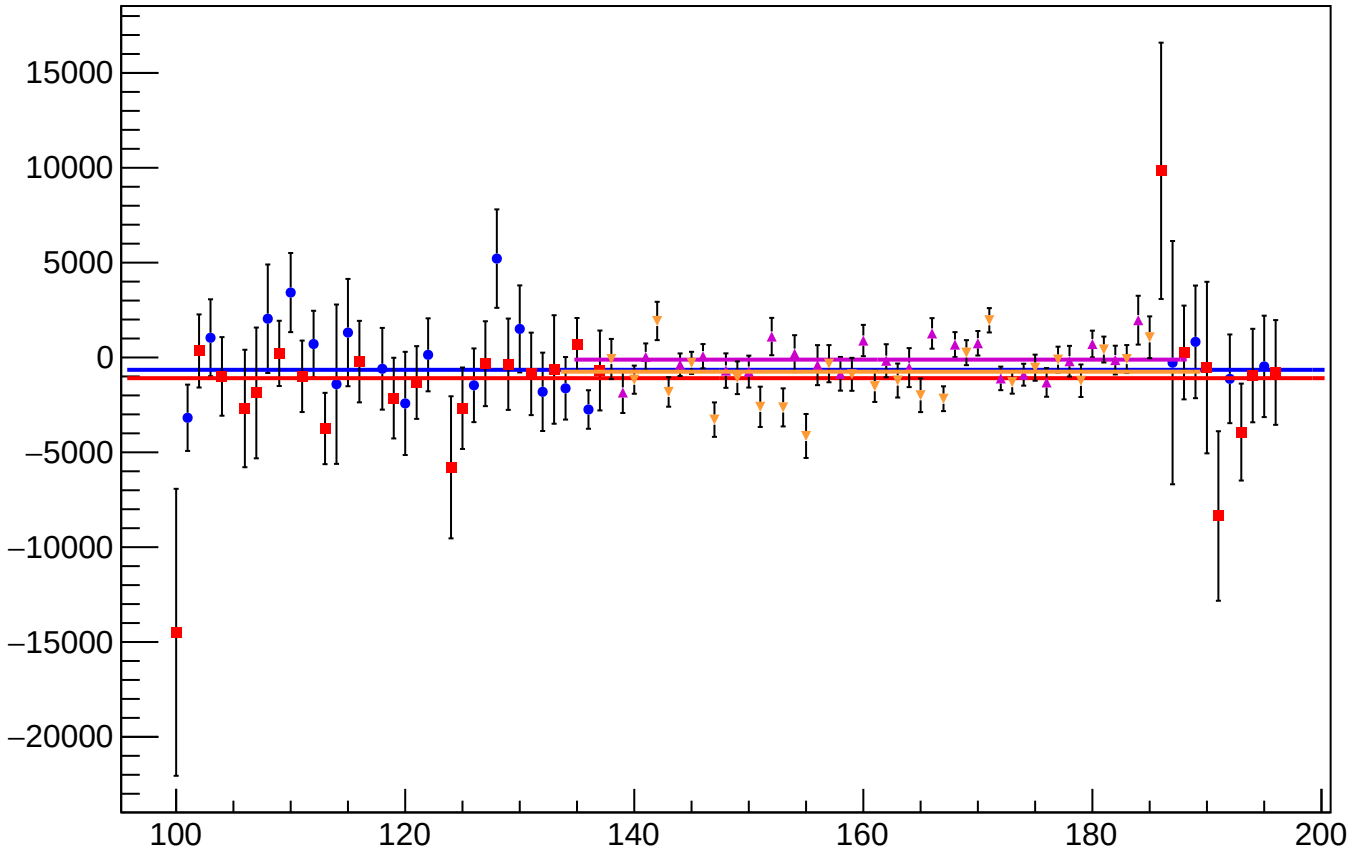
Right Out: 104.056+/-0.023 χ^2/NDF: 3161760.3/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.211+/-0.011 χ^2/NDF: 3134669.4/44

All: 82.422+/-0.008 χ^2/NDF: 7922611.3/93

- sign 83.698+/-0.011 χ^2/NDF: 4763105.8/48



Right In: -650.193+/-461.950 χ^2/NDF: 20.6/19

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

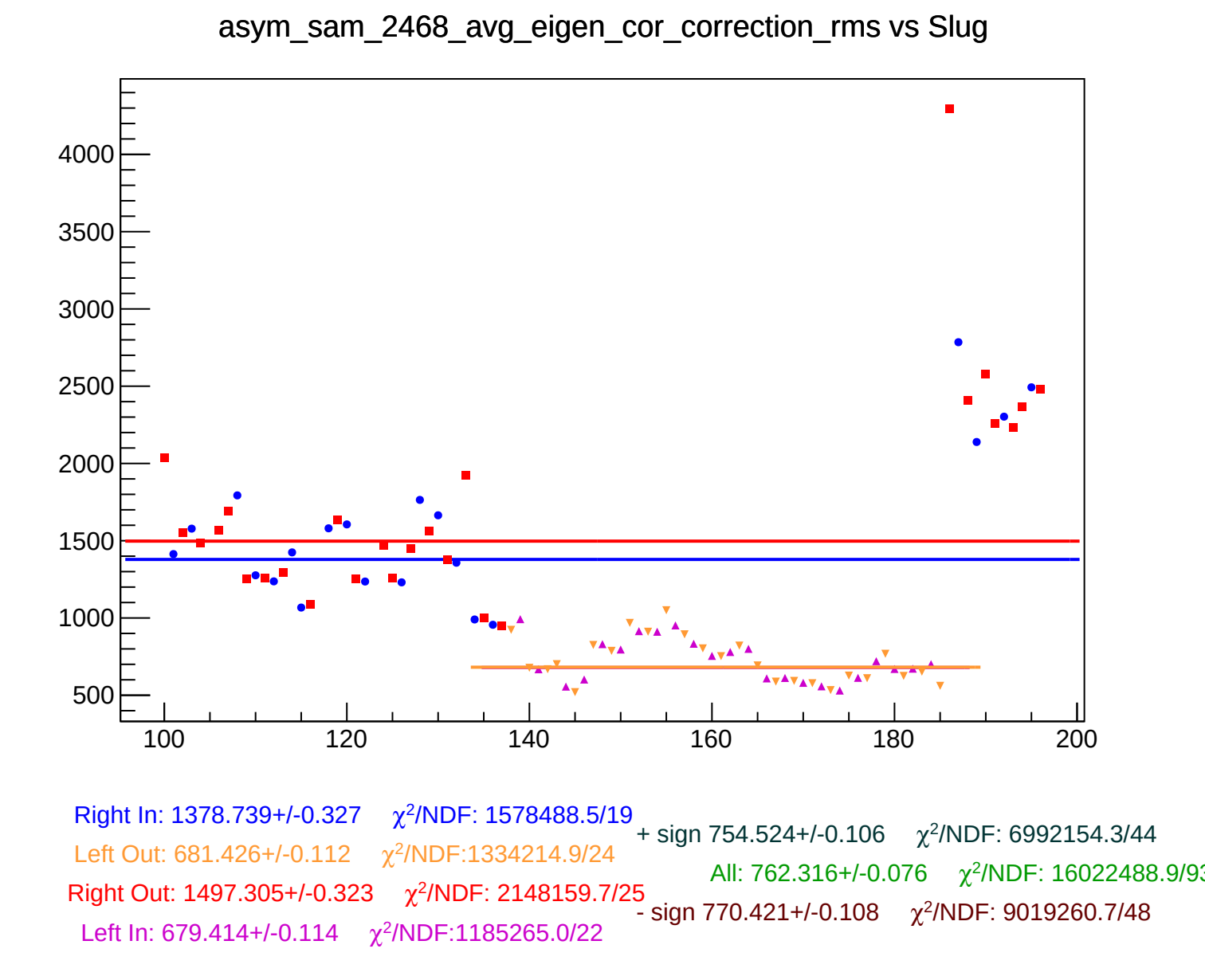
Right Out: -1090.845+/-457.297 χ^2/NDF: 17.8/25

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

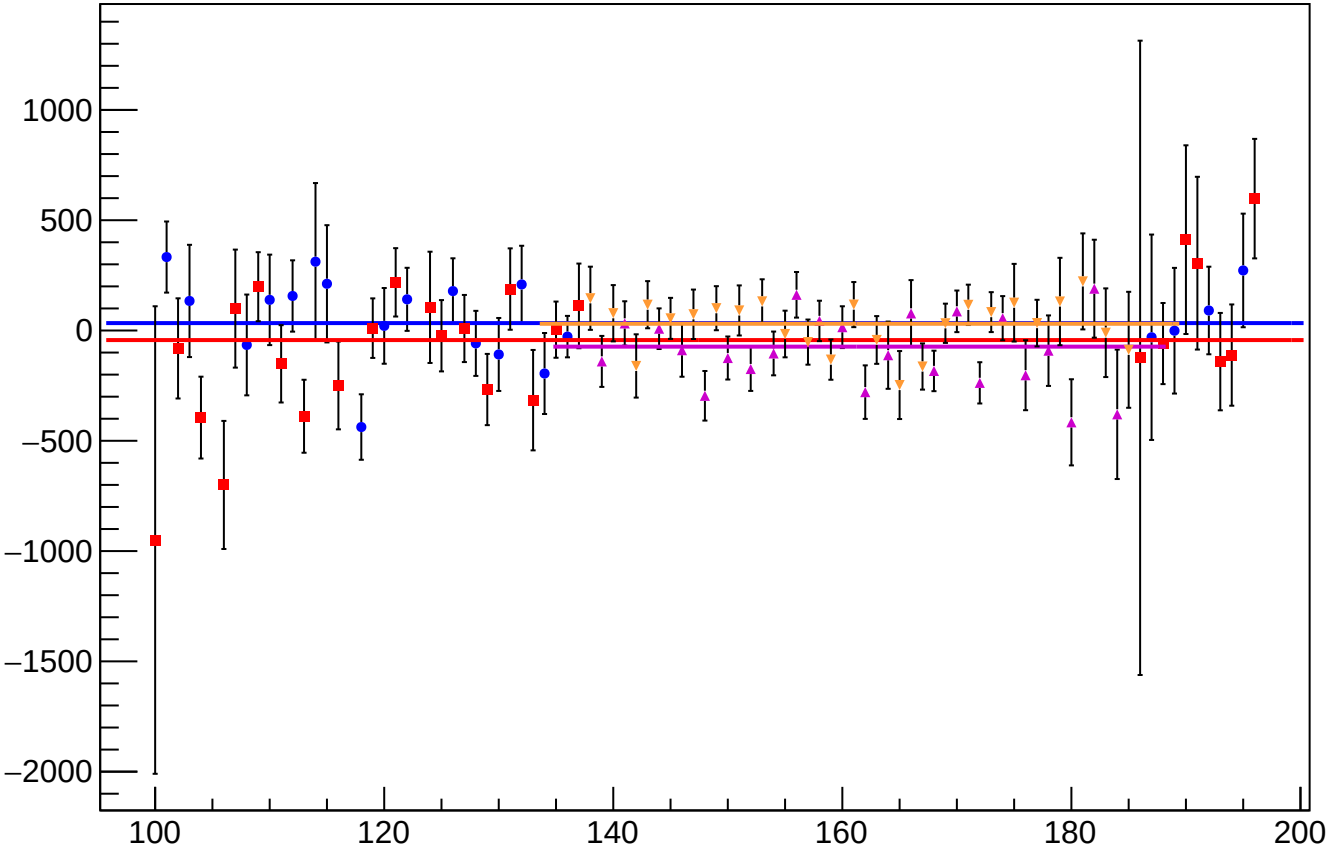
+ sign -739.208+/-149.566 χ^2/NDF: 90.6/44

All: -485.950+/-106.796 χ^2/NDF: 143.4/93

- 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: 1378.739+/-0.327 χ²/NDF: 1578488.5/19
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 754.524+/-0.106 χ²/NDF: 6992154.3/44
All: 762.316+/-0.076 χ²/NDF: 16022488.9/93
- sign 770.421+/-0.108 χ²/NDF: 9019260.7/48

dit_asym_sam_2468_avg_mean vs Slug



Right In: 33.602+/-39.346 χ^2/NDF: 22.4/19

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.393+/-38.489 χ^2/NDF: 35.0/25

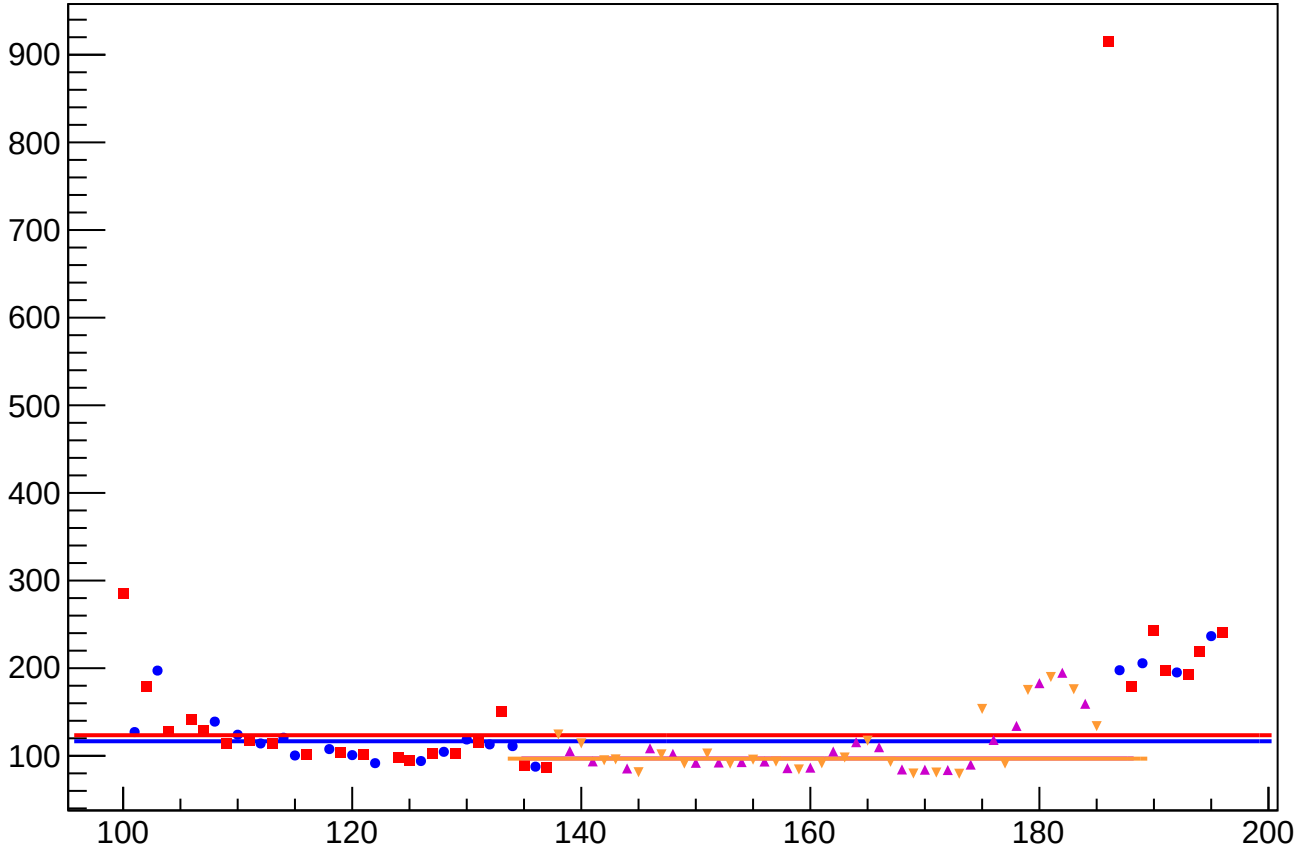
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 31.420+/-19.763 χ^2/NDF: 42.3/44

All: -16.094+/-14.080 χ^2/NDF: 124.0/93

- sign -65.062+/-20.063 χ^2/NDF: 69.9/48

dit_asym_sam_2468_avg_rms vs Slug



Right In: 116.636+/-0.028 χ^2/NDF: 1580083.2/19

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

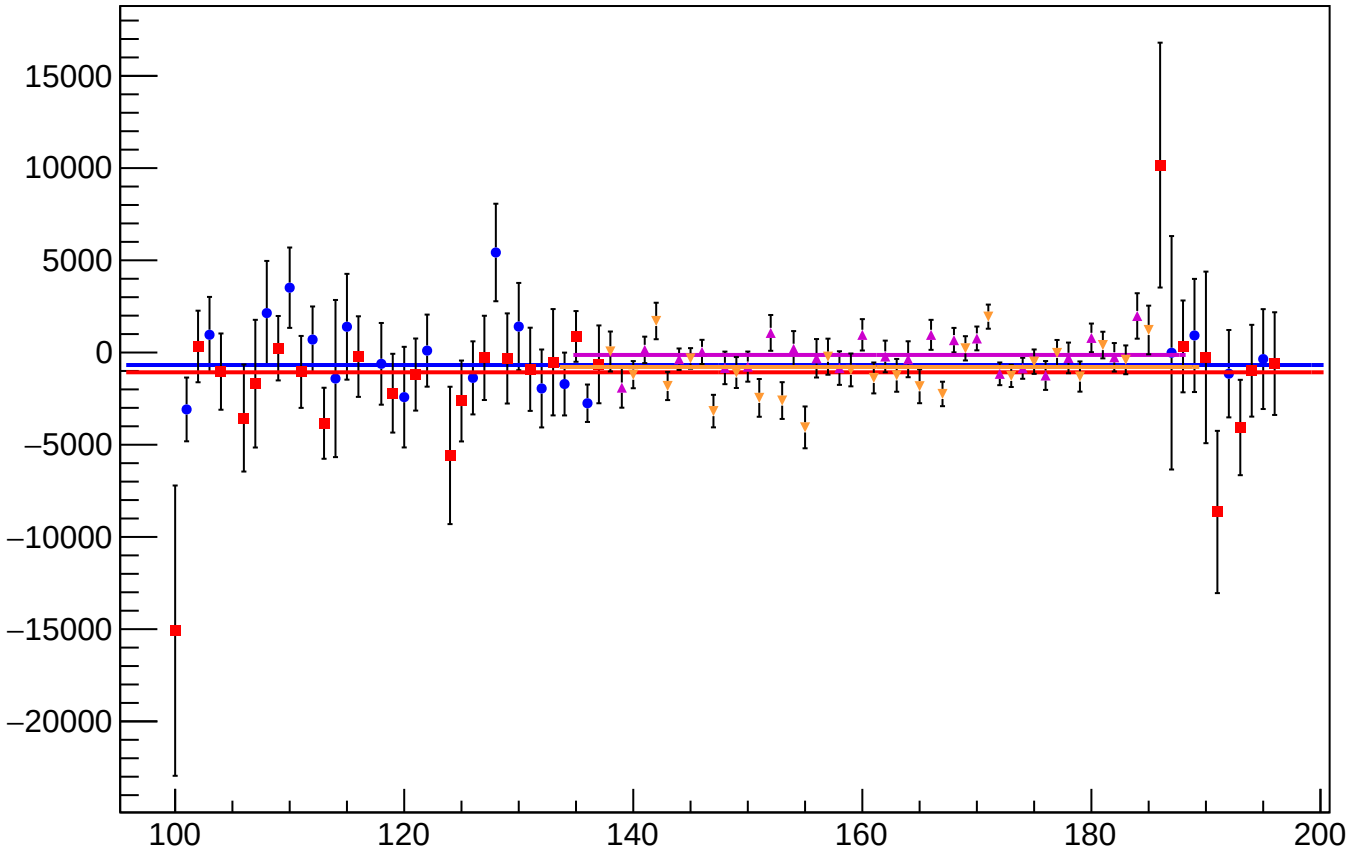
Right Out: 123.520+/-0.027 χ^2/NDF: 2645155.0/25

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 101.800+/-0.014 χ^2/NDF: 3680765.6/44

All: 102.991+/-0.010 χ^2/NDF: 8352476.0/93

- sign 104.218+/-0.014 χ^2/NDF: 4656967.1/48



Right In: -677.164+/-468.501 χ^2/NDF: 20.4/19

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1072.376+/-461.262 χ^2/NDF: 19.3/25

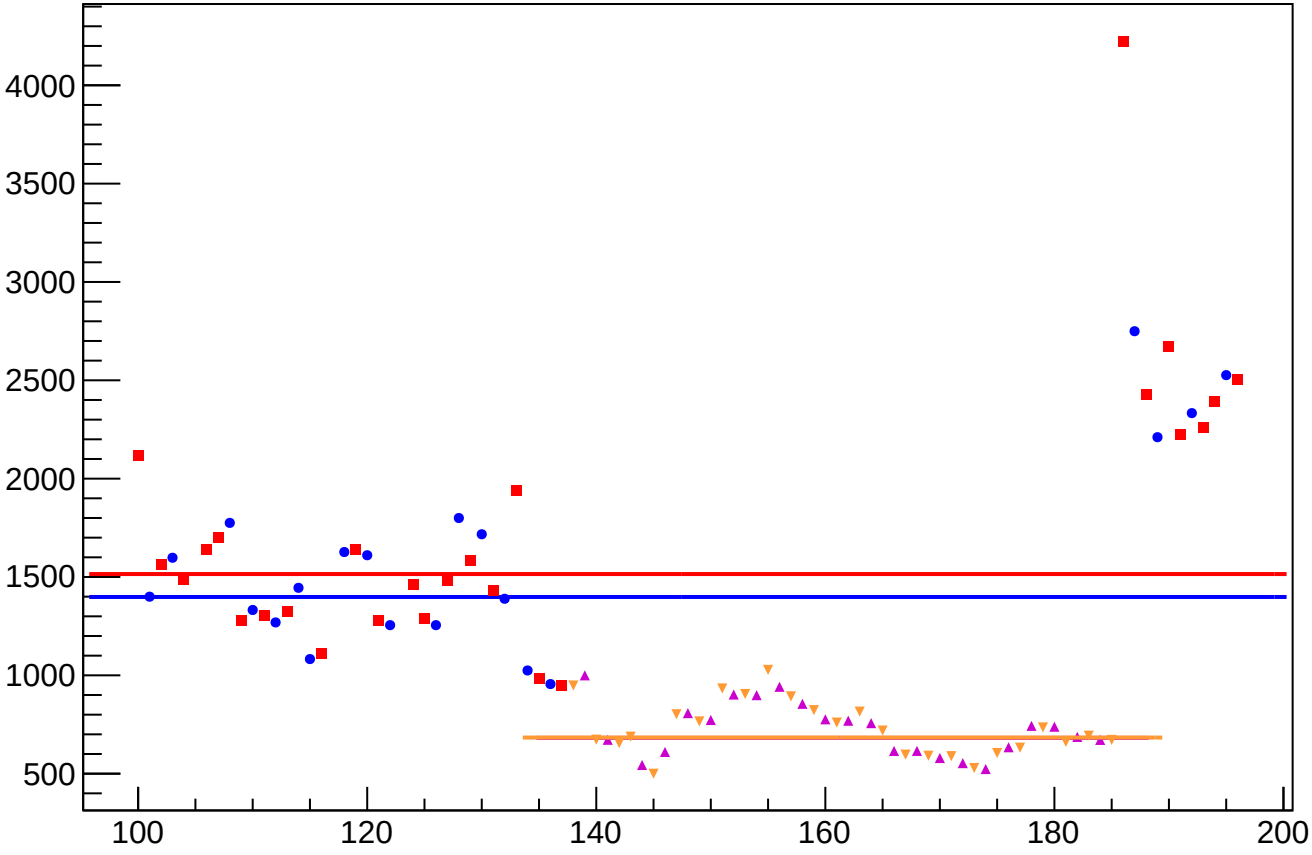
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -772.830+/-149.995 χ^2/NDF: 86.8/44

All: -509.668+/-107.175 χ^2/NDF: 140.4/93

- sign -235.171+/-153.191 χ^2/NDF: 47.3/48

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1398.379+/-0.331 χ^2/NDF: 1595089.1/19

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1514.914+/-0.326 χ^2/NDF: 2166686.4/25

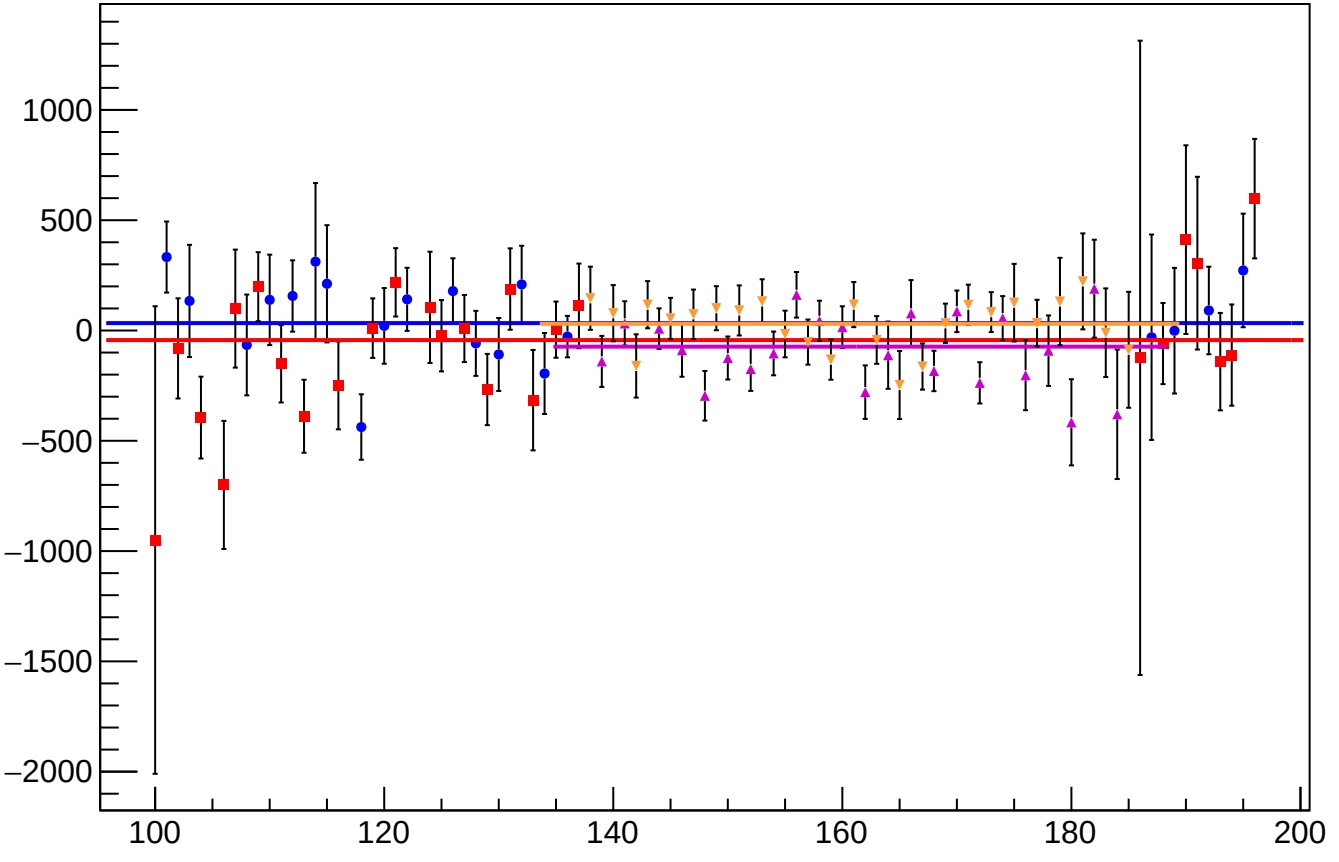
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 756.954+/-0.106 χ^2/NDF: 7070087.2/44

All: 765.217+/-0.076 χ^2/NDF: 16237872.3/93

\- sign 773.835+/-0.108 χ^2/NDF: 9155385.5/48

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 33.602+/-39.346 χ^2/NDF: 22.4/19

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.391+/-38.489 χ^2/NDF: 35.0/25

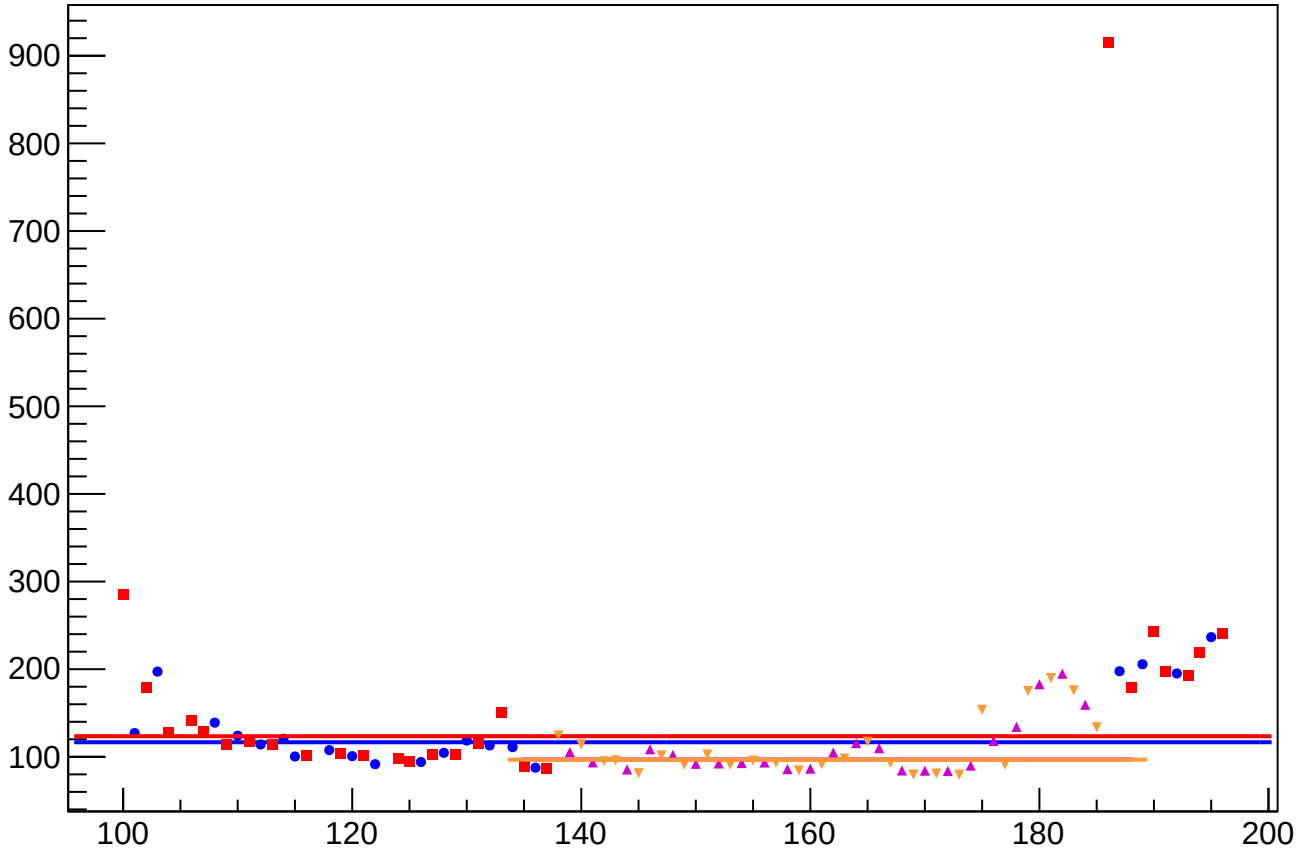
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 31.421+/-19.763 χ^2/NDF: 42.3/44

All: -16.093+/-14.080 χ^2/NDF: 124.0/93

- sign -65.061+/-20.063 χ^2/NDF: 69.9/48

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 116.635+/-0.028 χ^2/NDF: 1580083.7/19

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

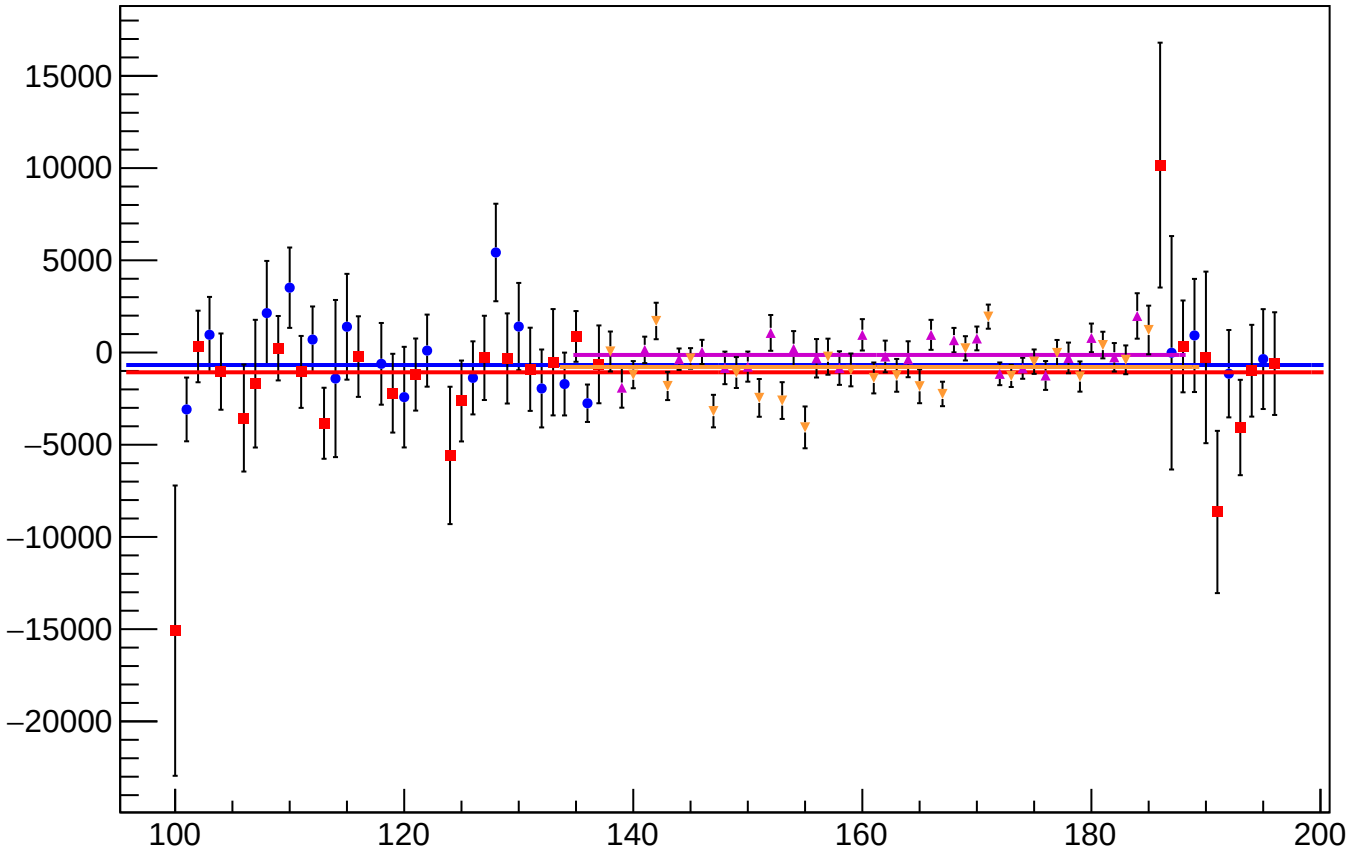
Right Out: 123.519+/-0.027 χ^2/NDF: 2645169.4/25

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 101.800+/-0.014 χ^2/NDF: 3680727.3/44

All: 102.991+/-0.010 χ^2/NDF: 8352388.3/93

- sign 104.218+/-0.014 χ^2/NDF: 4656917.3/48



Right In: -677.159+/-468.500 χ^2/NDF: 20.4/19

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

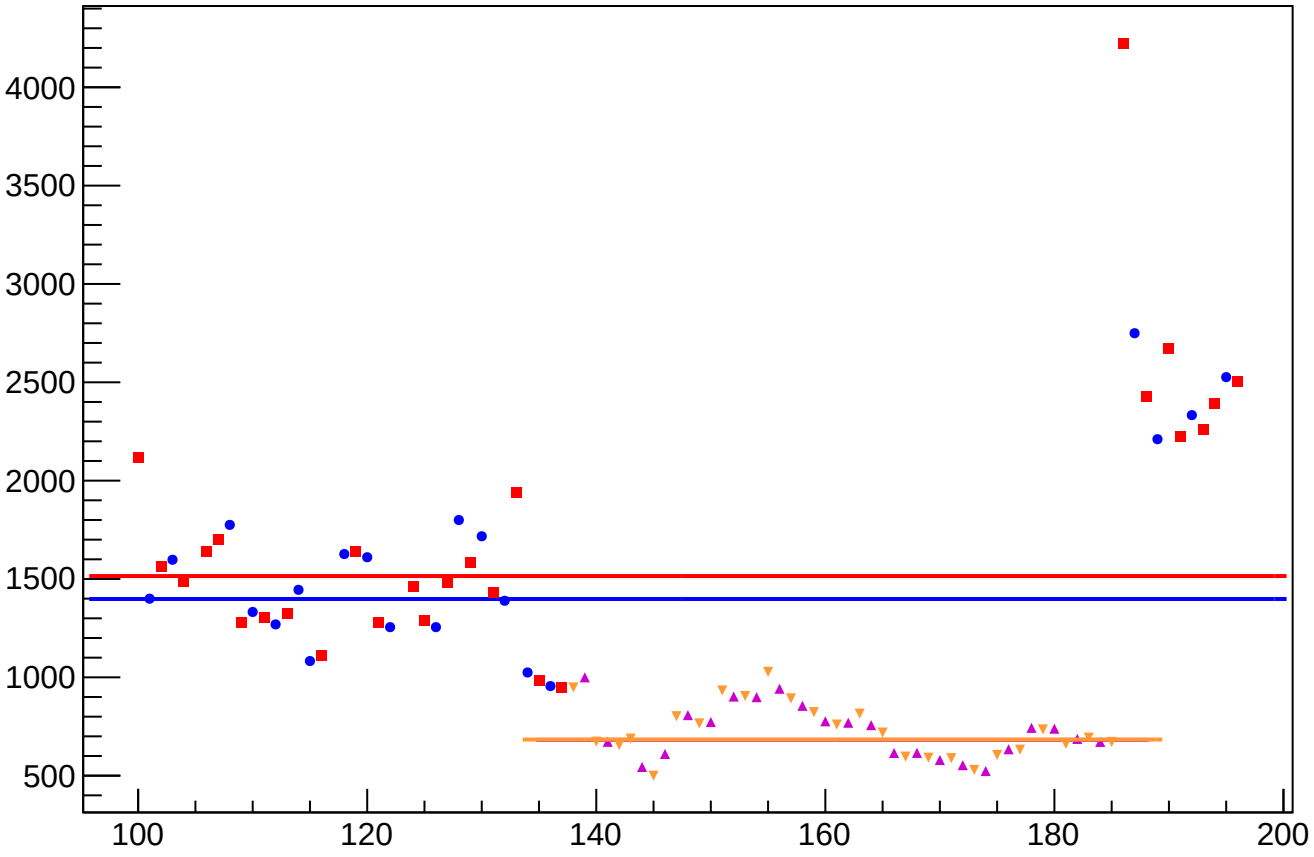
Right Out: -1072.375+/-461.261 χ^2/NDF: 19.3/25

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -772.828+/-149.995 χ^2/NDF: 86.8/44

All: -509.666+/-107.174 χ^2/NDF: 140.4/93

- sign -235.170+/-153.191 χ^2/NDF: 47.3/48



Right In: 1398.376+/-0.331 χ^2/NDF: 1595090.6/19

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1514.911+/-0.326 χ^2/NDF: 2166691.2/25

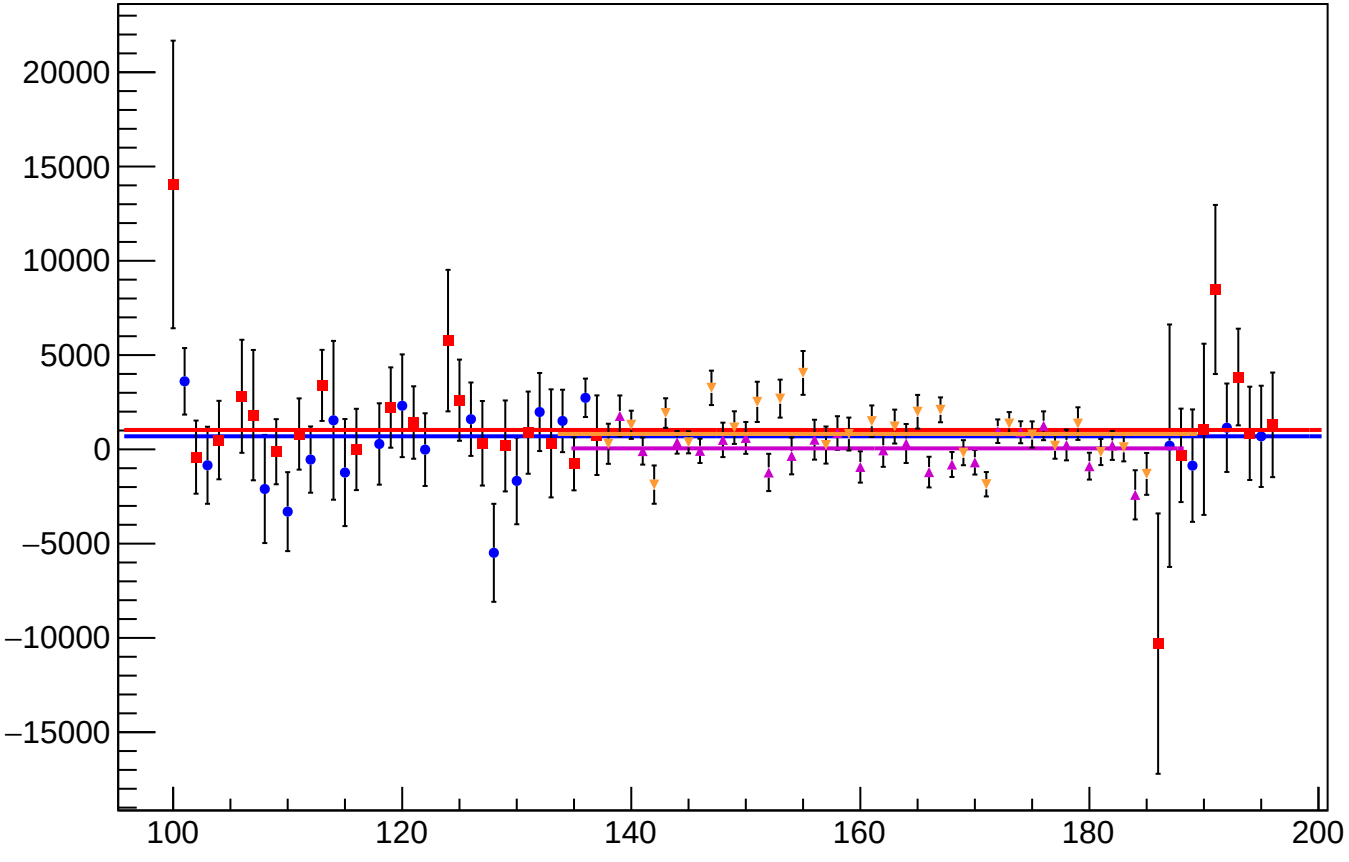
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 756.952+/-0.106 χ^2/NDF: 7070094.7/44

All: 765.215+/-0.076 χ^2/NDF: 16237884.3/93

- sign 773.834+/-0.108 χ^2/NDF: 9155390.1/48

asym_sam_2468_avg_mean vs Slug



Right In: 692.580+/-463.627 χ^2/NDF: 21.3/19

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1028.748+/-458.398 χ^2/NDF: 17.6/25

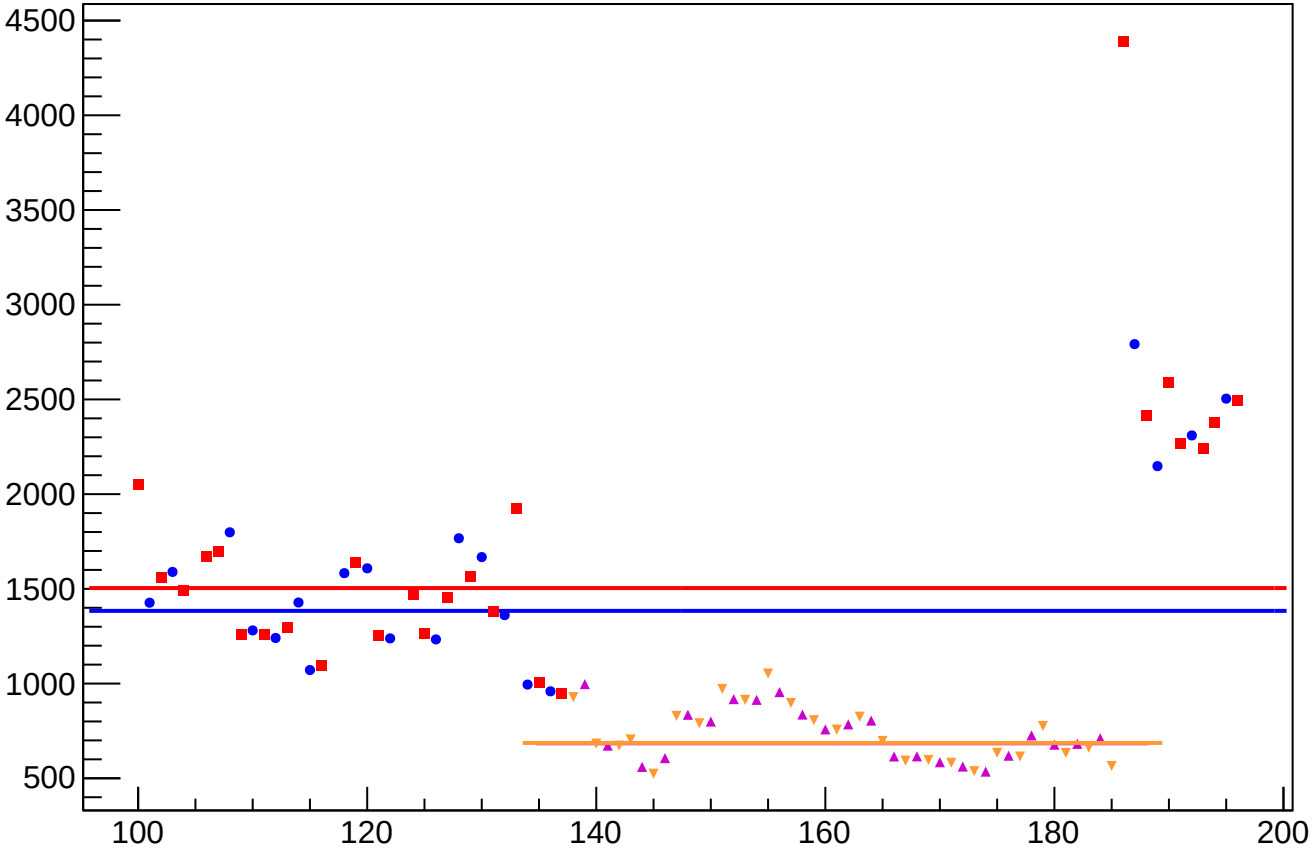
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 801.246+/-150.618 χ^2/NDF: 87.1/44

All: 487.878+/-107.545 χ^2/NDF: 142.9/93

- sign 161.939+/-153.609 χ^2/NDF: 47.0/48

asym_sam_2468_avg_rms vs Slug



Right In: 1383.772+/-0.328 χ^2/NDF: 1578965.4/19

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

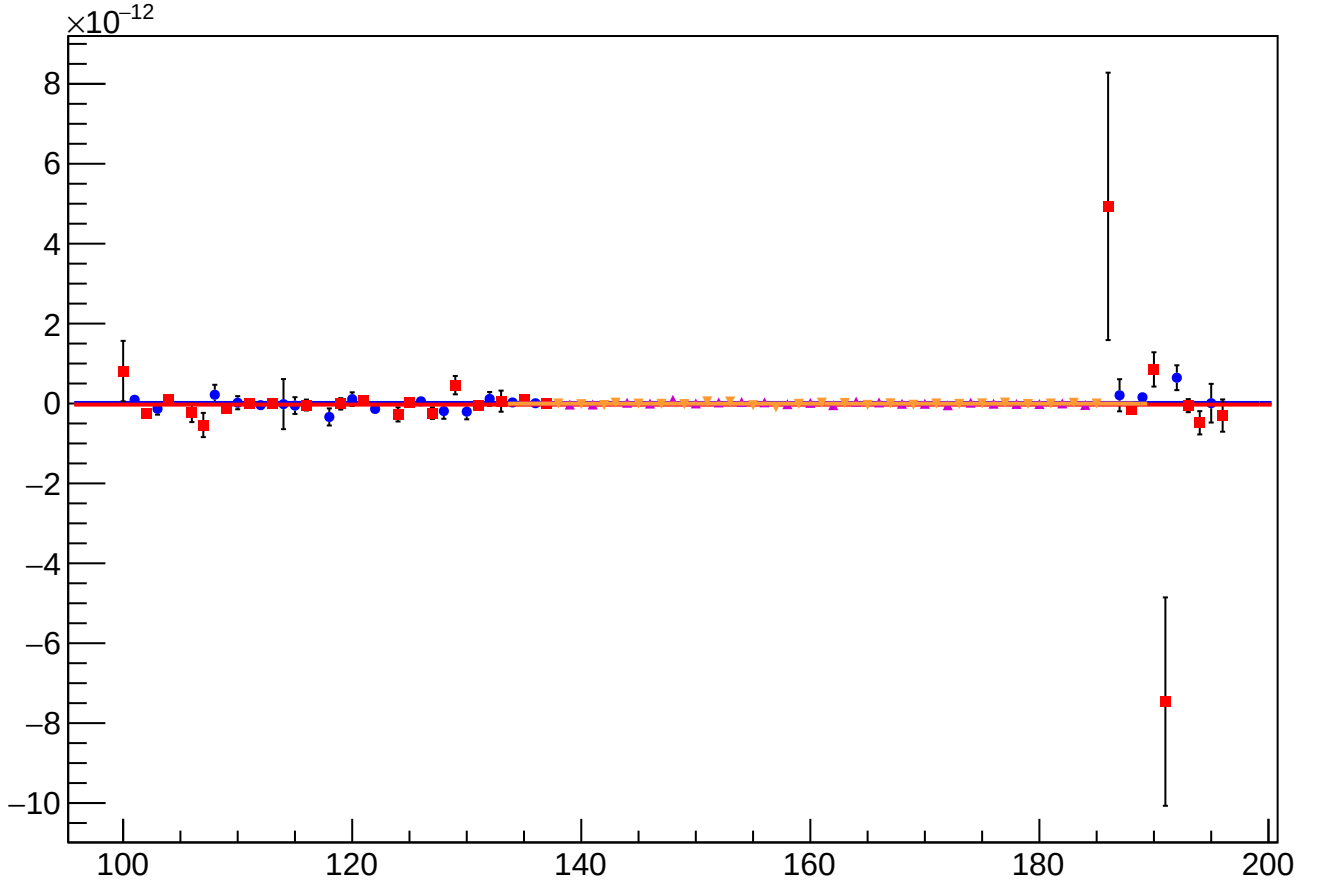
Right Out: 1504.144+/-0.324 χ^2/NDF: 2163193.8/25

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 760.269+/-0.107 χ^2/NDF: 6935182.7/44

All: 768.359+/-0.076 χ^2/NDF: 15948010.8/93

- sign 776.774+/-0.109 χ^2/NDF: 9001056.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

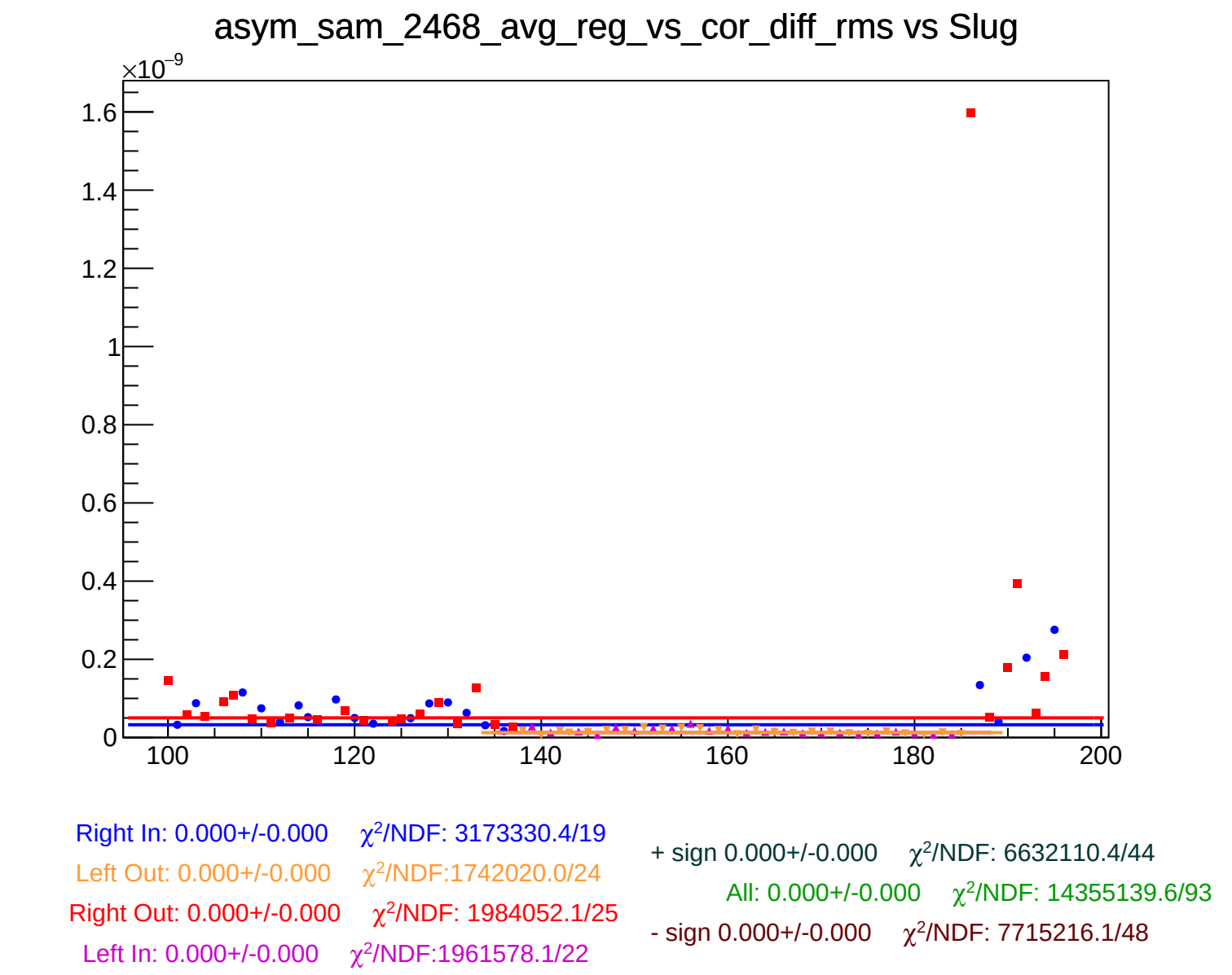
Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/25

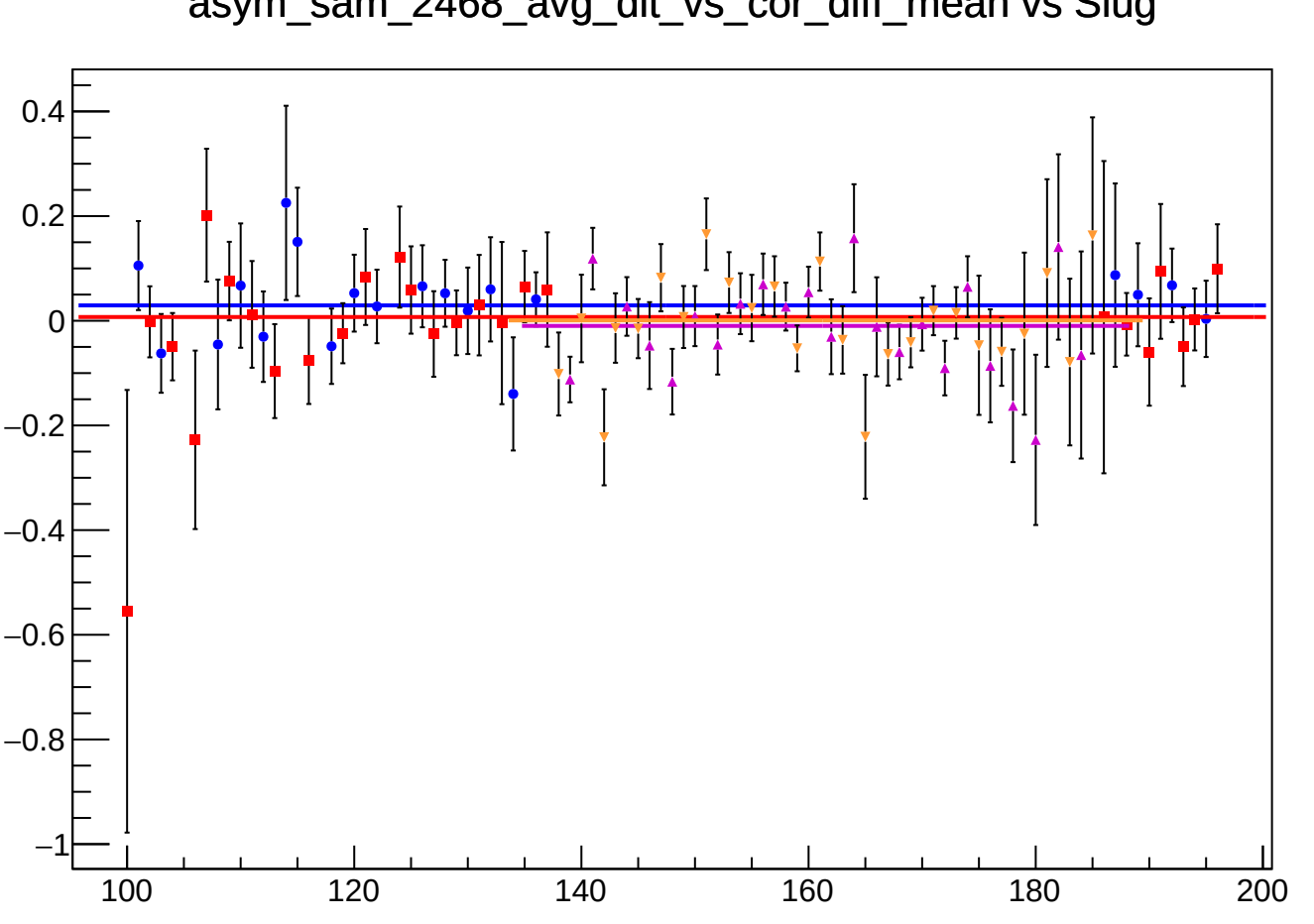
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/44

All: -0.000+/-0.000 χ^2/NDF: 99.0/93

- 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: 3173330.4/19
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: 6632110.4/44
All: 0.000+/-0.000 χ²/NDF: 14355139.6/93
- sign 0.000+/-0.000 χ²/NDF: 7715216.1/48



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

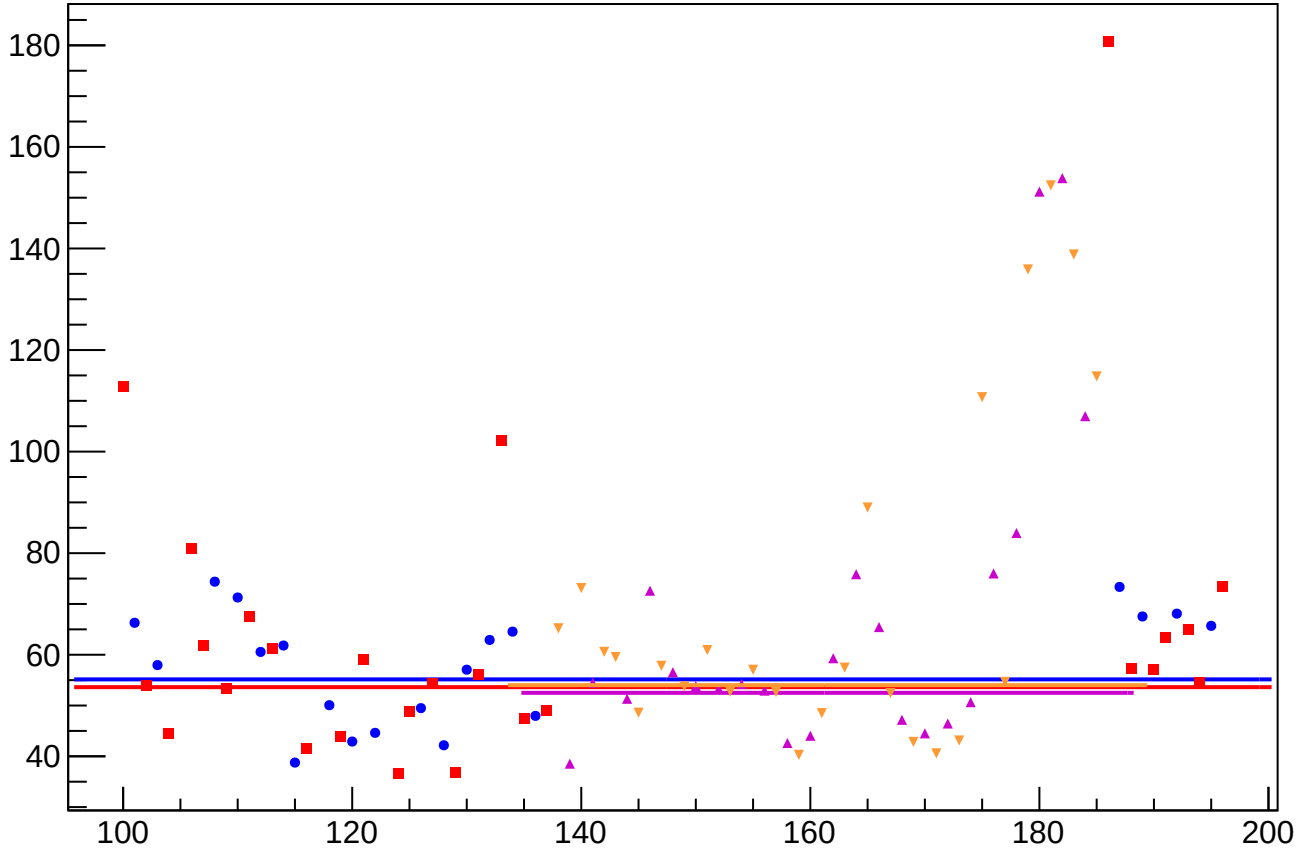
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.010+/-0.011 χ^2/NDF: 43.8/44

All: 0.003+/-0.007 χ^2/NDF: 93.8/93

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.148+/-0.013 χ^2/NDF: 616072.2/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

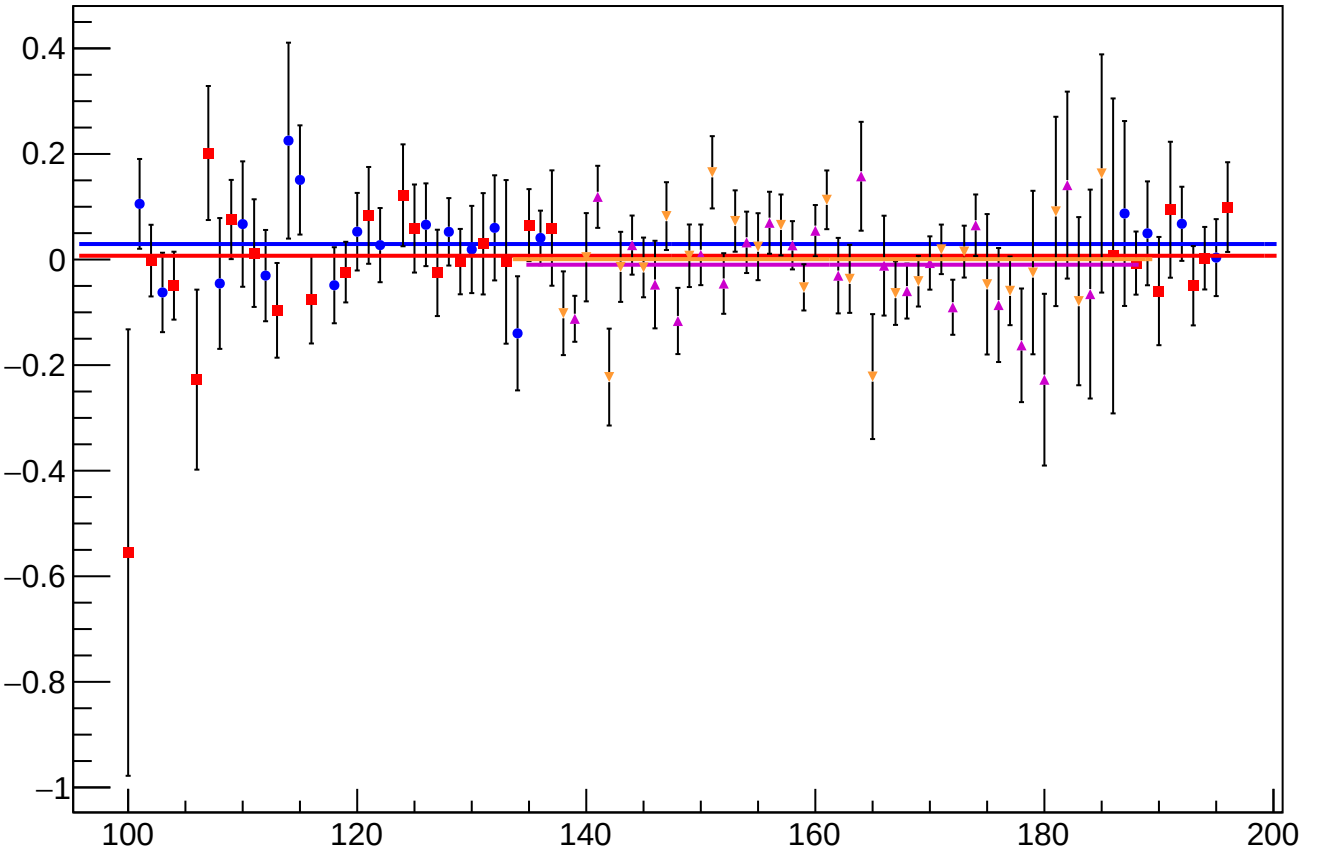
Right Out: 53.617+/-0.012 χ^2/NDF: 1270410.5/25

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848602.3/44

All: 53.638+/-0.005 χ^2/NDF: 7701545.0/93

- sign 52.939+/-0.007 χ^2/NDF: 3833745.1/48



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

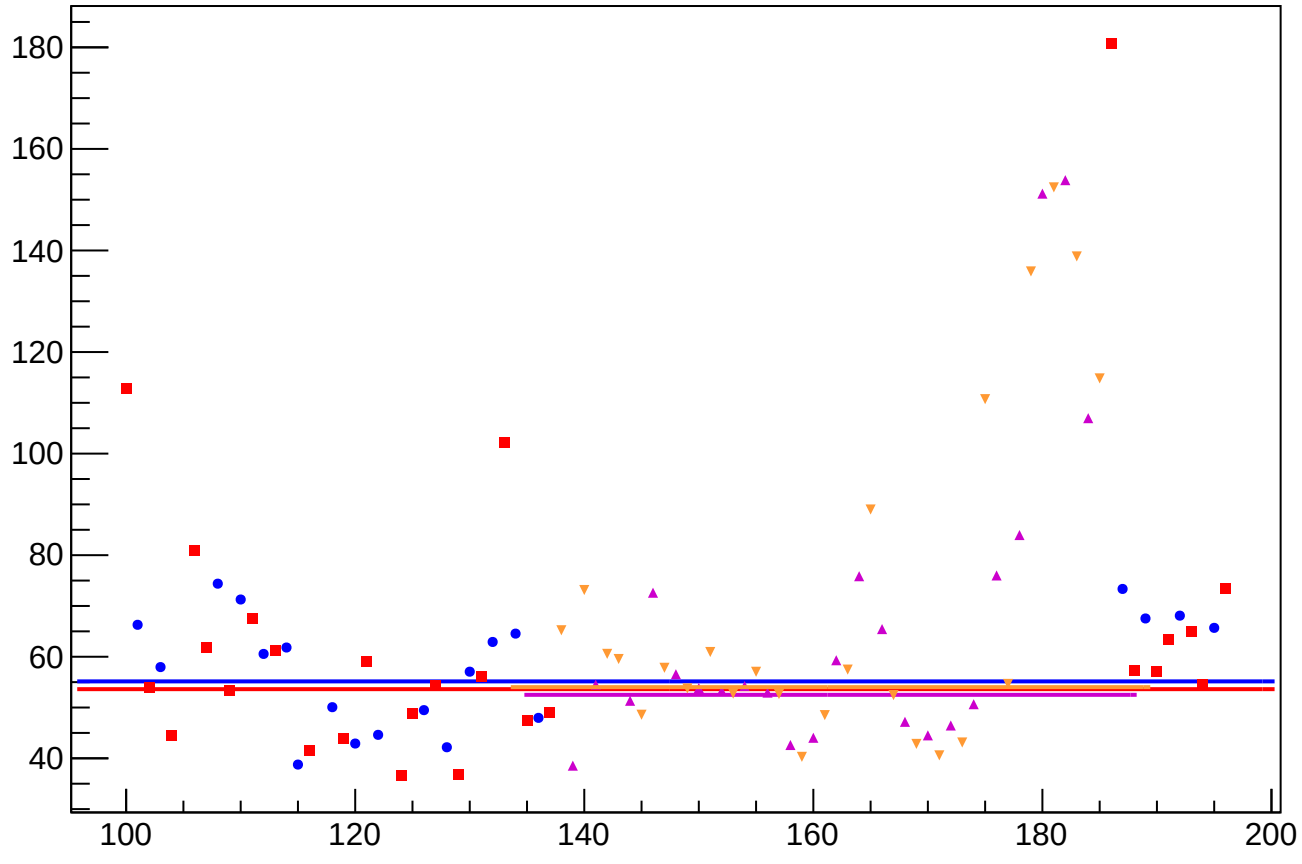
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.010+/-0.011 χ^2/NDF: 43.8/44

All: 0.003+/-0.007 χ^2/NDF: 93.8/93

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 55.148+/-0.013 χ^2/NDF: 616072.2/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

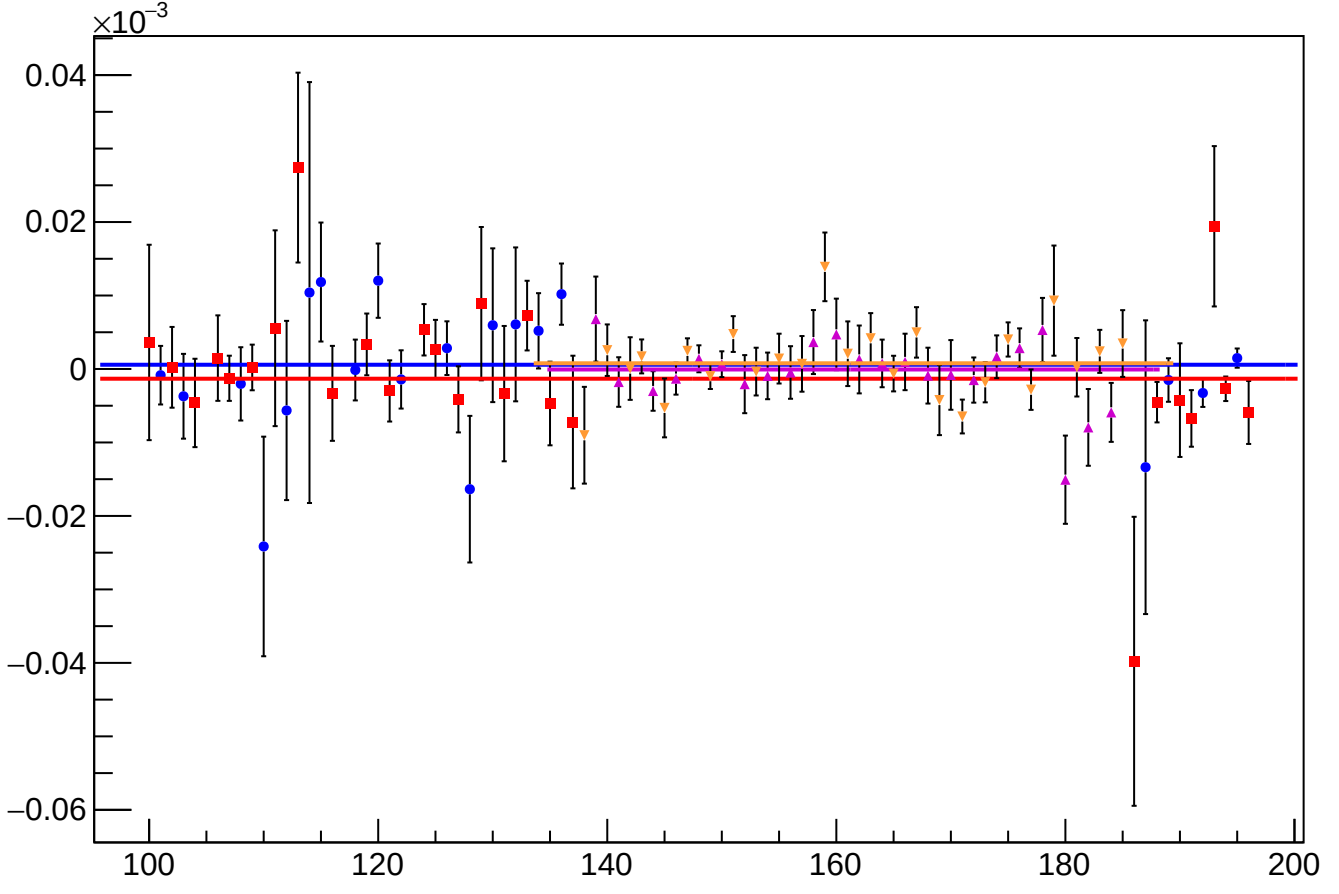
Right Out: 53.617+/-0.012 χ^2/NDF: 1270410.5/25

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848602.3/44

All: 53.638+/-0.005 χ^2/NDF: 7701545.0/93

- sign 52.939+/-0.007 χ^2/NDF: 3833745.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

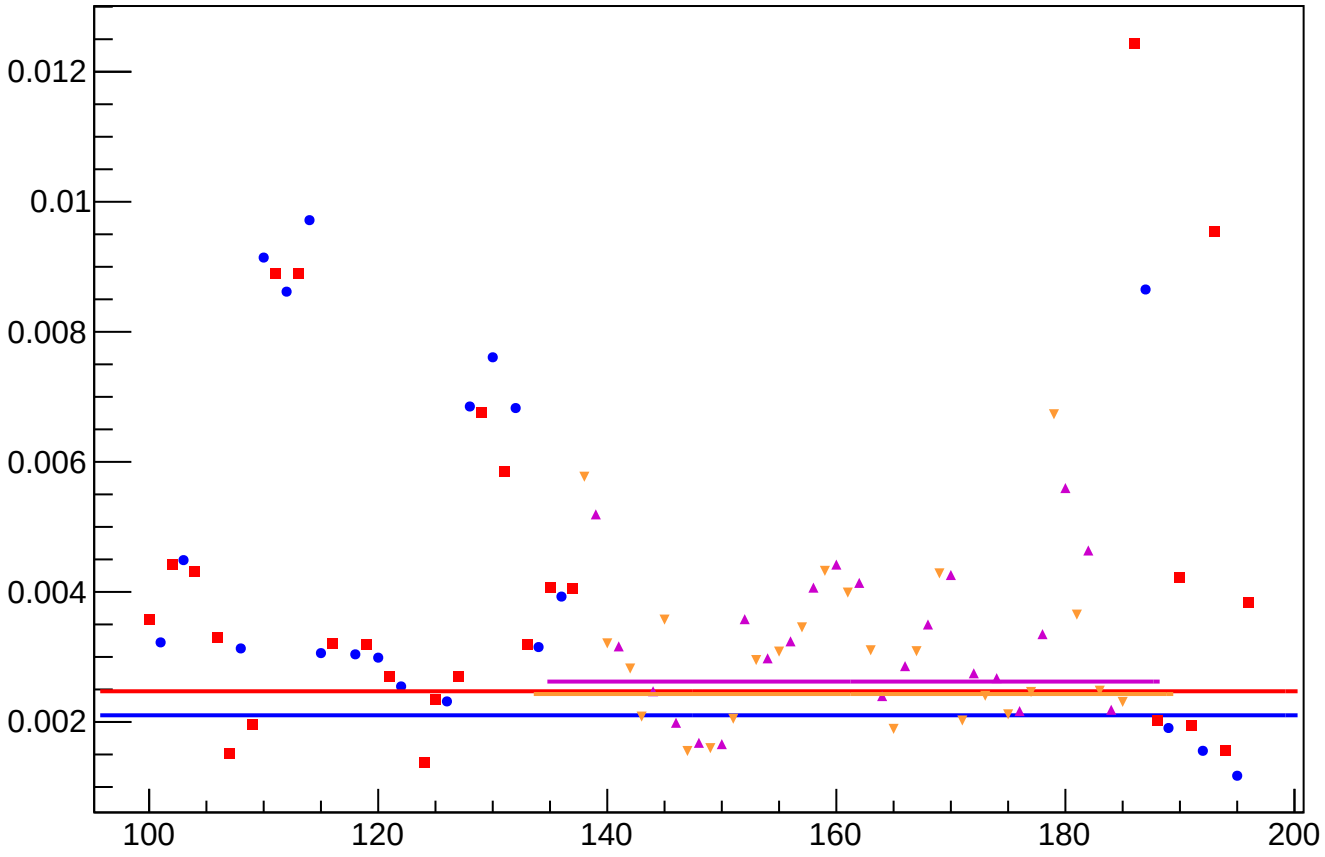
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/25

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/44

All: 0.000+/-0.000 χ^2/NDF: 120.3/93

- sign -0.000+/-0.000 χ^2/NDF: 52.1/48



Right In: 0.002+/-0.000 χ^2/NDF: 5248061.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

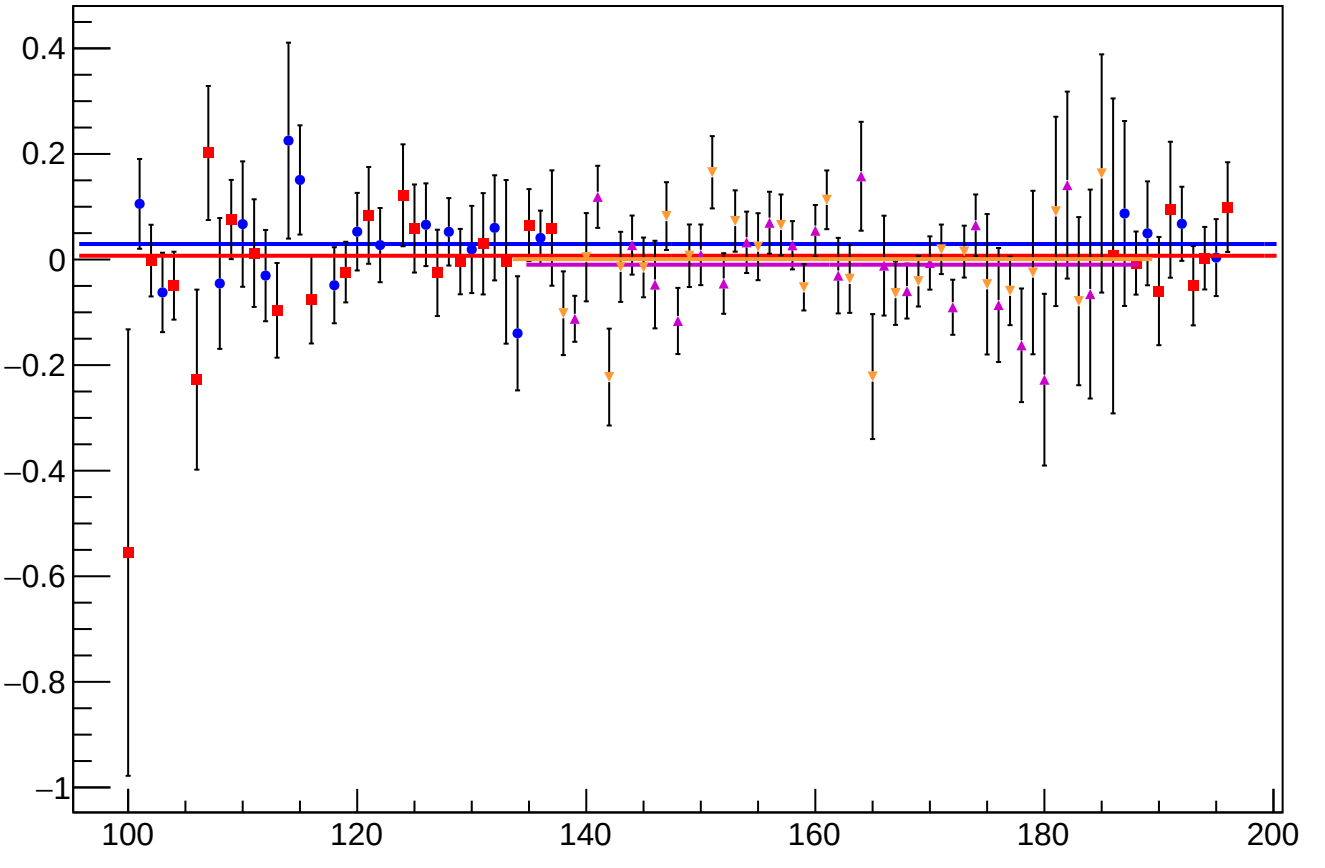
Right Out: 0.002+/-0.000 χ^2/NDF: 5213004.4/25

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 9677196.7/44

All: 0.002+/-0.000 χ^2/NDF: 19128919.0/93

- sign 0.003+/-0.000 χ^2/NDF: 9206913.5/48



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

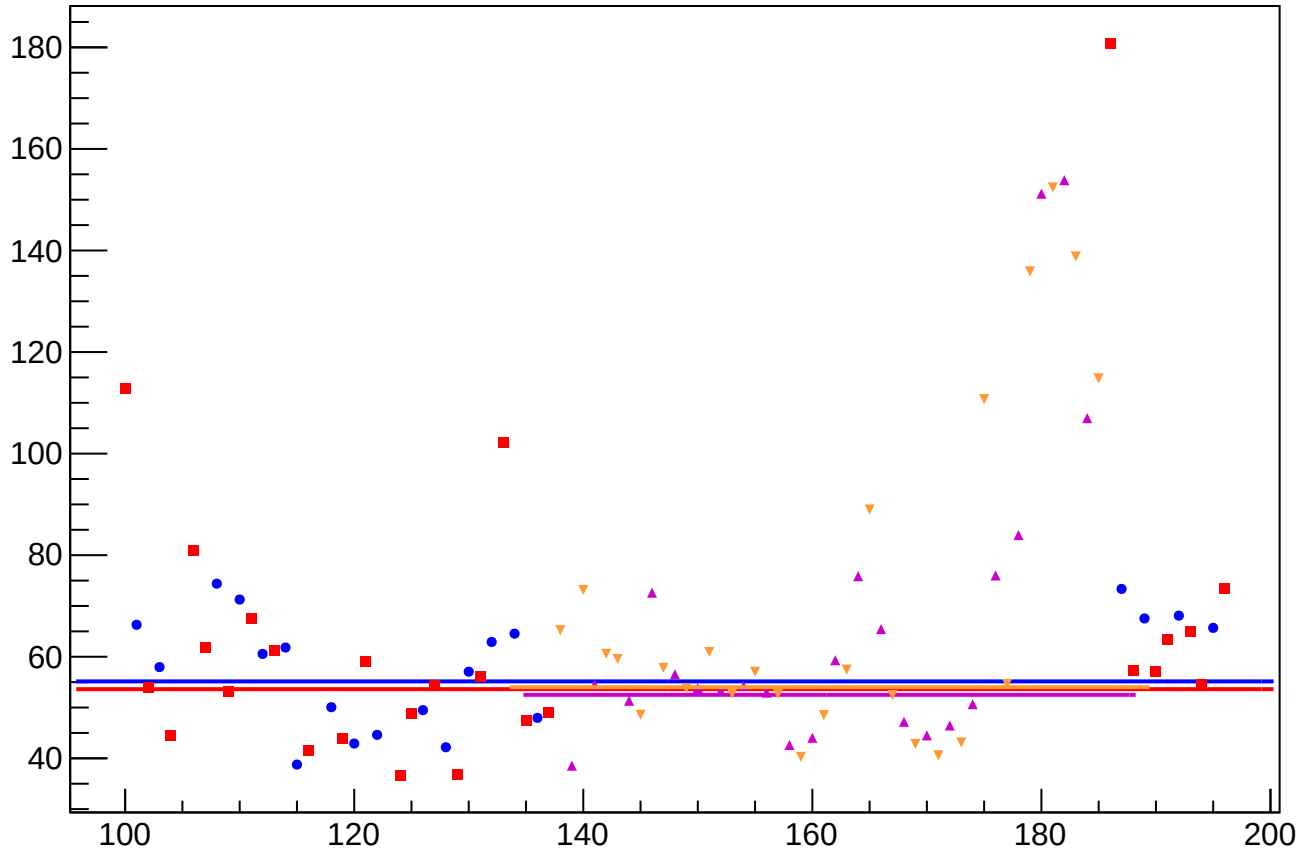
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.010+/-0.011 χ^2/NDF: 43.8/44

All: 0.003+/-0.007 χ^2/NDF: 93.8/93

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

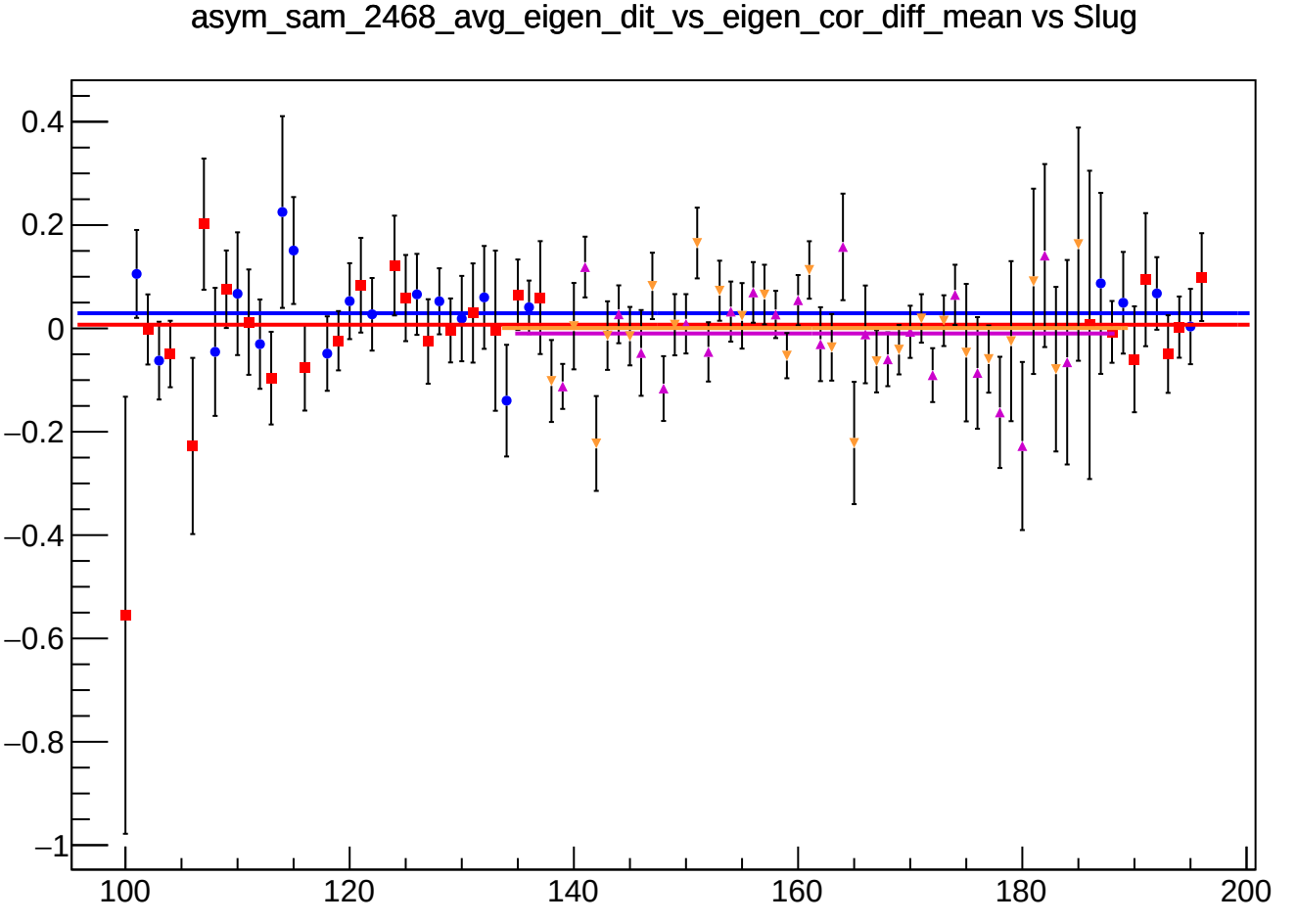
Right Out: 53.616+/-0.012 χ^2/NDF: 1270437.2/25

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848589.0/44

All: 53.638+/-0.005 χ^2/NDF: 7701589.9/93

- sign 52.939+/-0.007 χ^2/NDF: 3833801.9/48



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

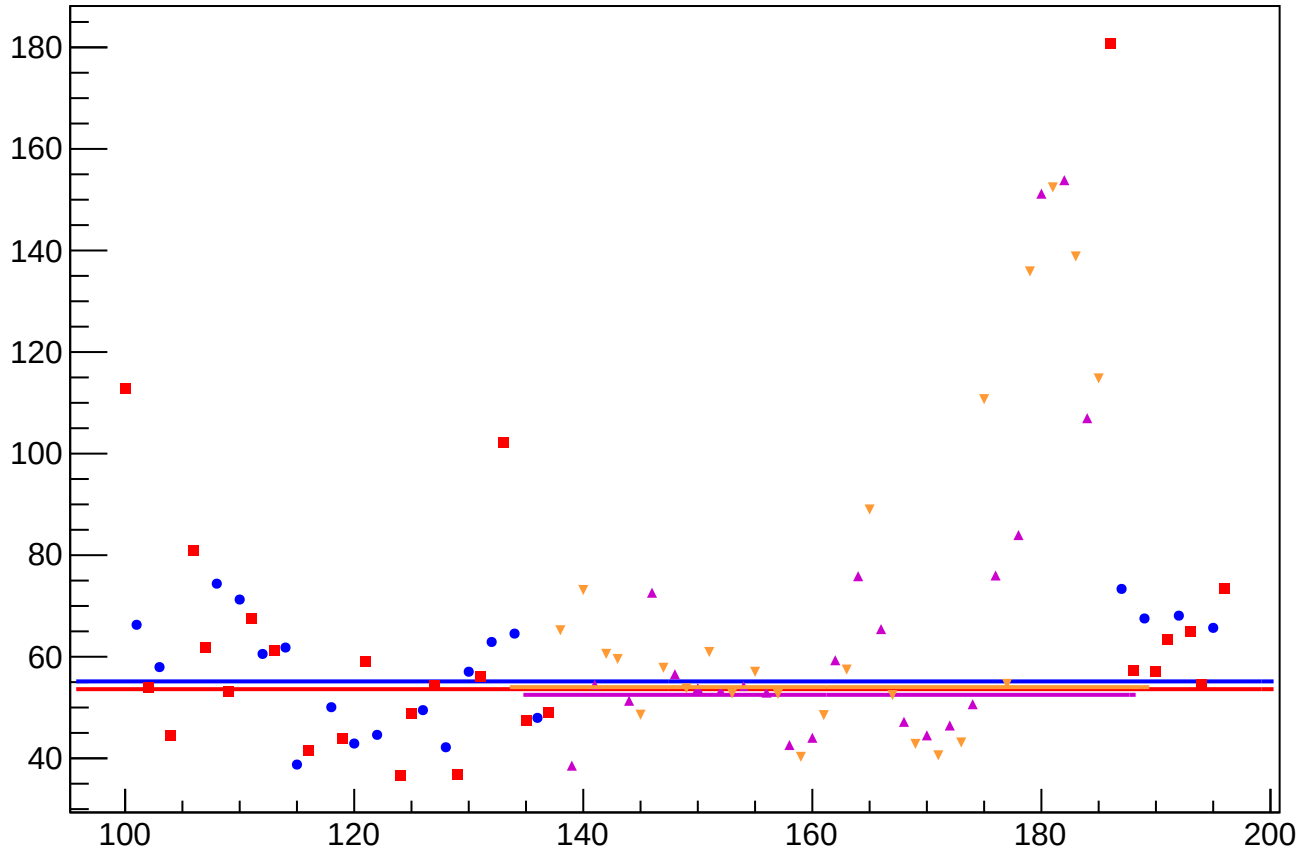
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.010+/-0.011 χ^2/NDF: 43.8/44

All: 0.003+/-0.007 χ^2/NDF: 93.8/93

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

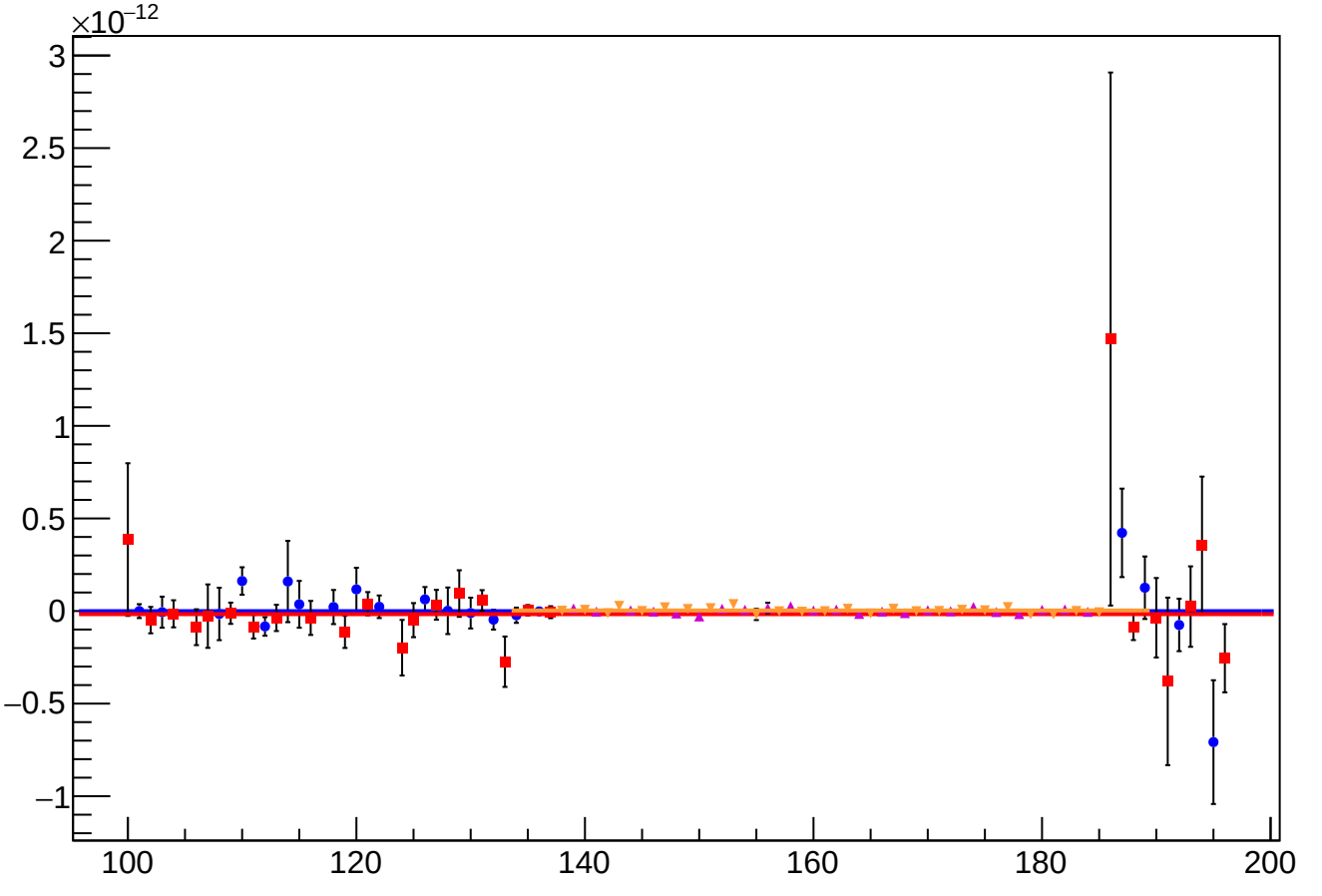
Right Out: 53.616+/-0.012 χ^2/NDF: 1270437.2/25

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848589.0/44

All: 53.638+/-0.005 χ^2/NDF: 7701589.9/93

- sign 52.939+/-0.007 χ^2/NDF: 3833801.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

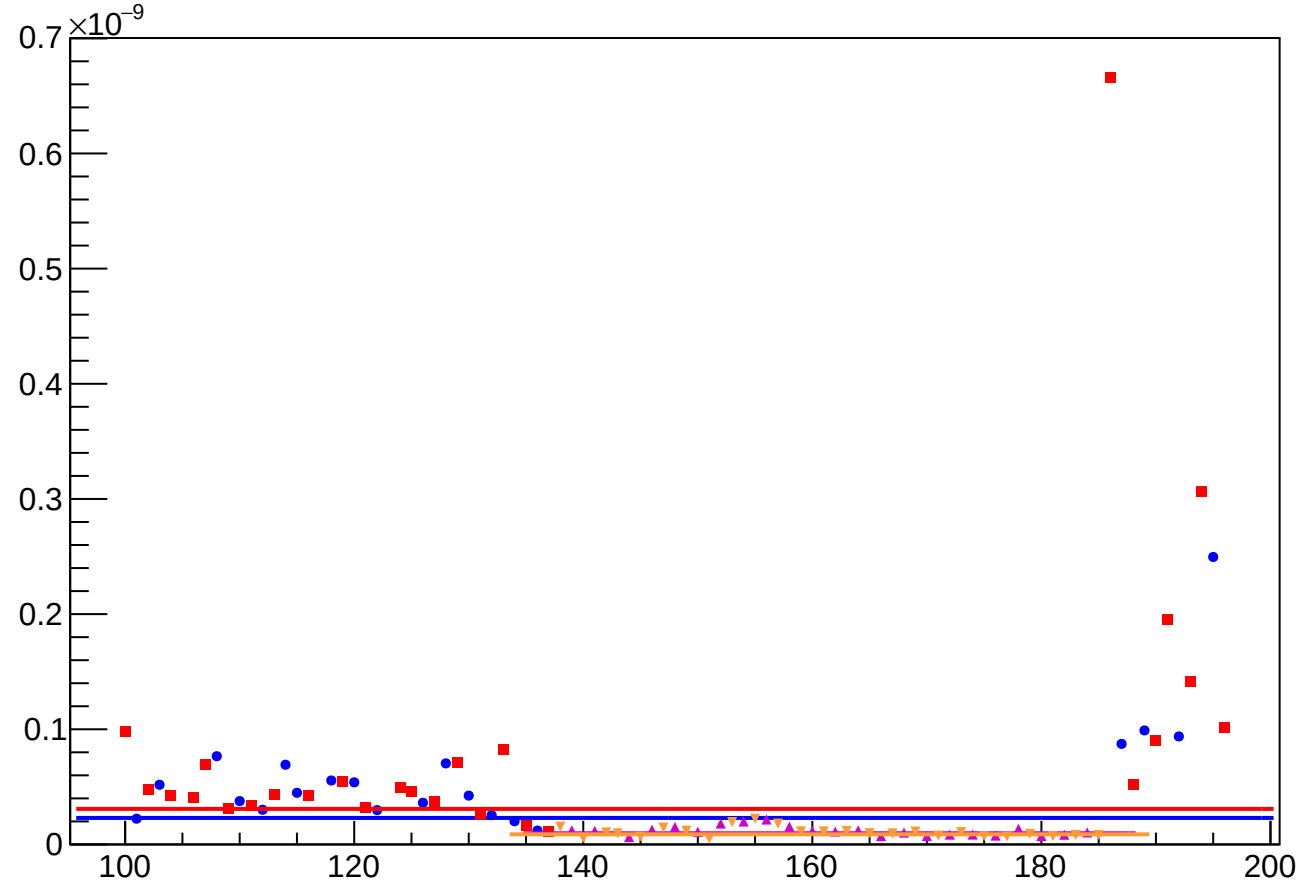
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/44

All: 0.000+/-0.000 χ^2/NDF: 77.9/93

- sign 0.000+/-0.000 χ^2/NDF: 36.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 4517530.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5347530.0/25

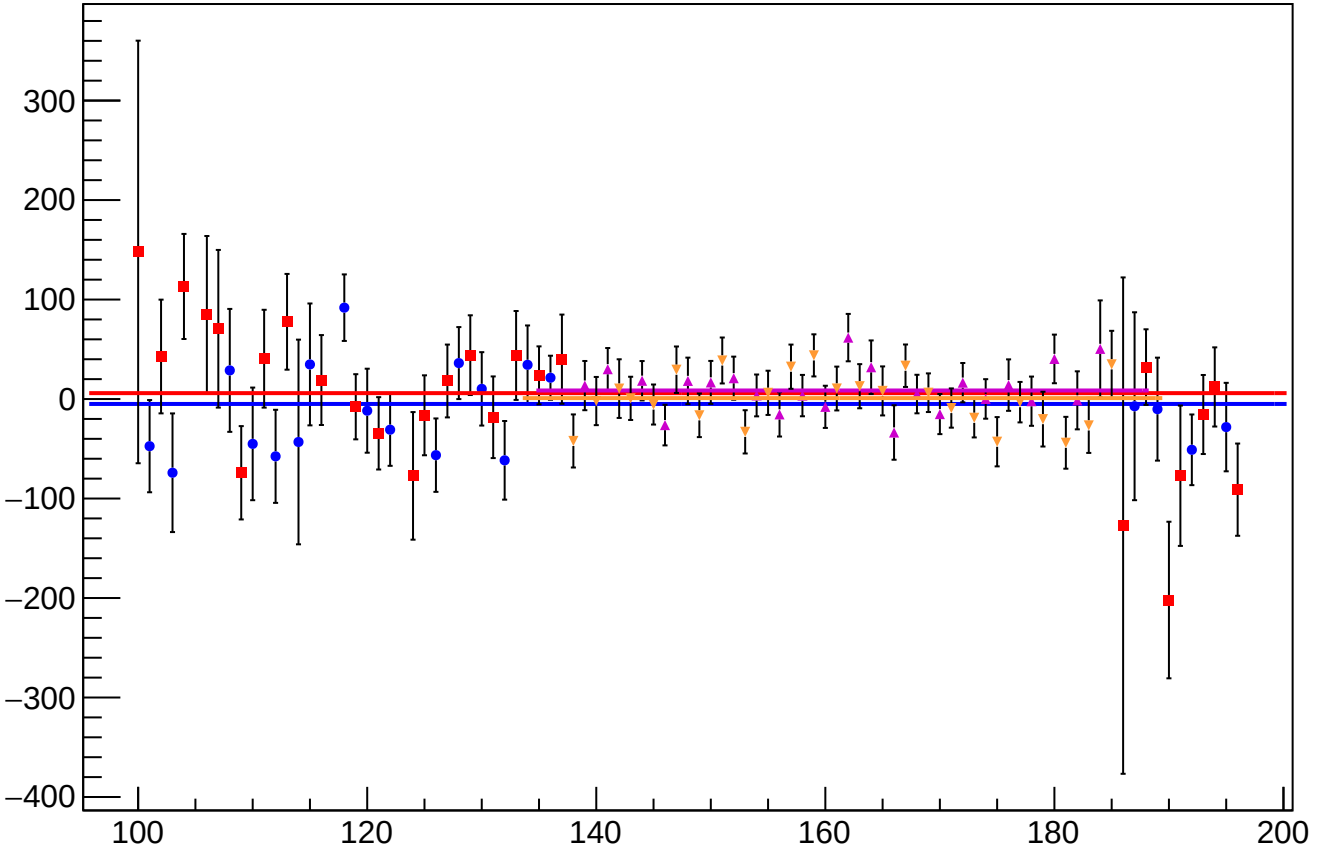
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9759990.0/44

All: 0.000+/-0.000 χ^2/NDF: 21921920.9/93

- sign 0.000+/-0.000 χ^2/NDF: 11996485.1/48

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.943+/-9.249 χ^2/NDF: 23.6/19

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.938+/-9.021 χ^2/NDF: 32.6/25

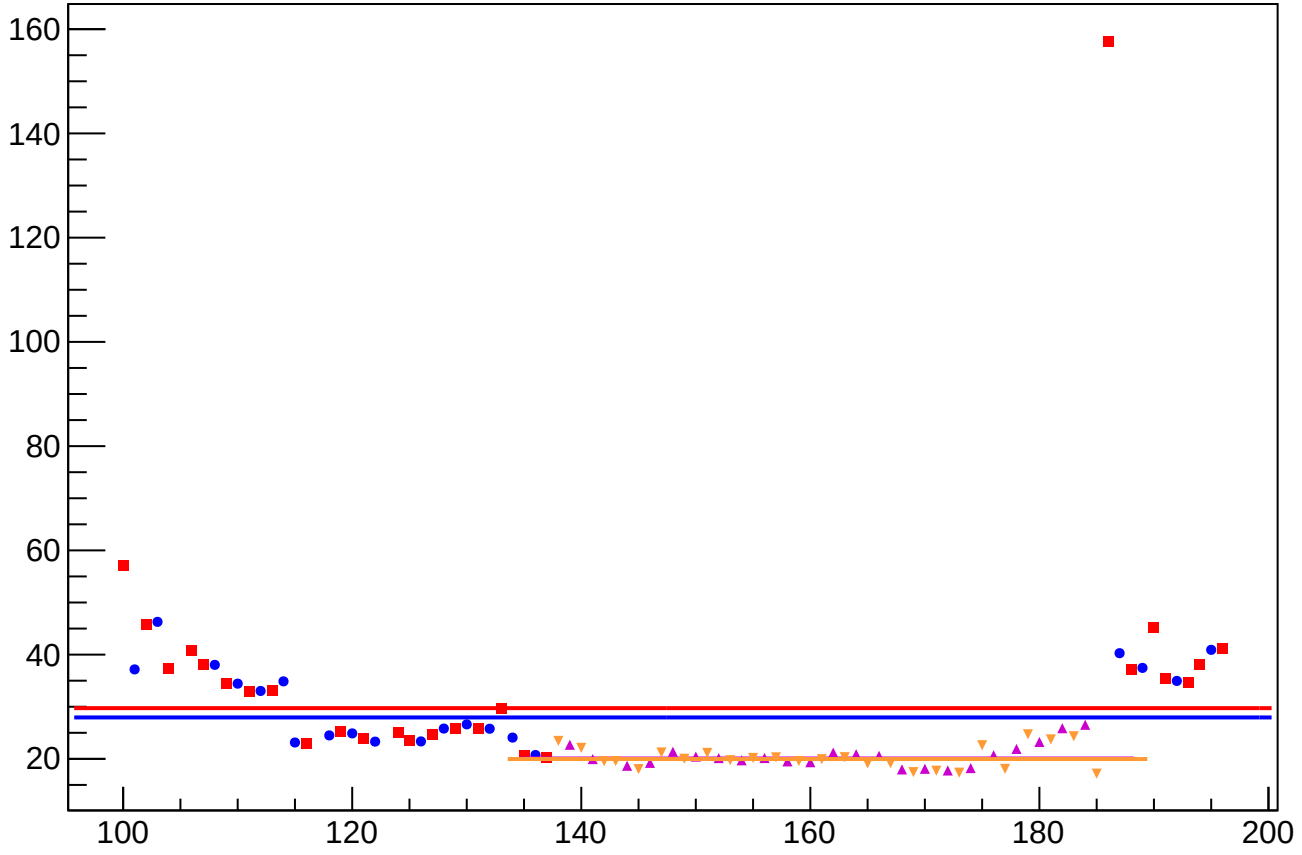
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.235+/-4.100 χ^2/NDF: 53.1/44

All: 3.812+/-2.929 χ^2/NDF: 107.1/93

- sign 8.027+/-4.185 χ^2/NDF: 52.0/48

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.948+/-0.007 χ^2/NDF: 1084395.1/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

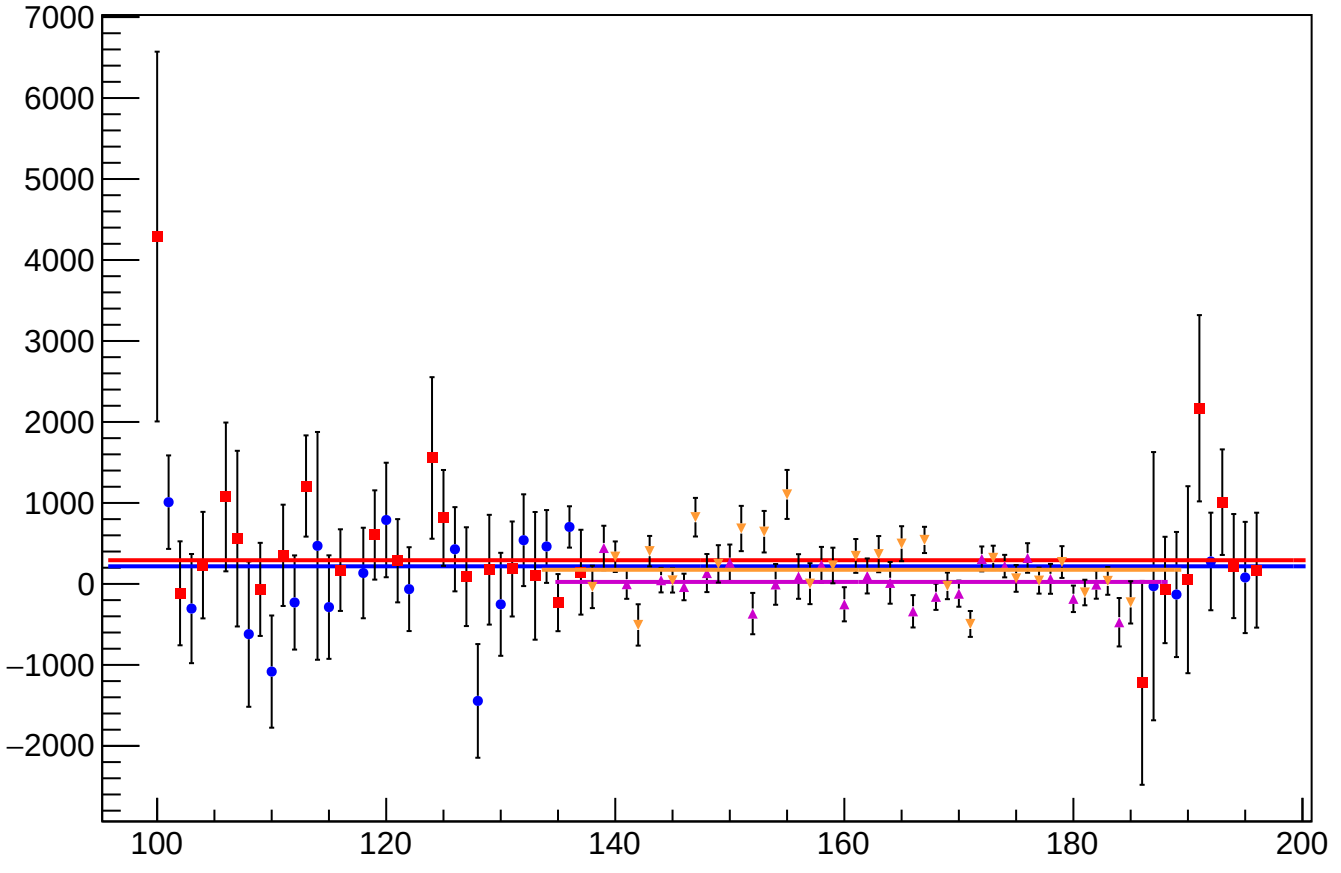
Right Out: 29.733+/-0.006 χ^2/NDF: 1814926.3/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.537+/-0.003 χ^2/NDF: 2667288.9/44

All: 21.838+/-0.002 χ^2/NDF: 6605962.2/93

- sign 22.151+/-0.003 χ^2/NDF: 3916663.0/48



Right In: 217.538+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

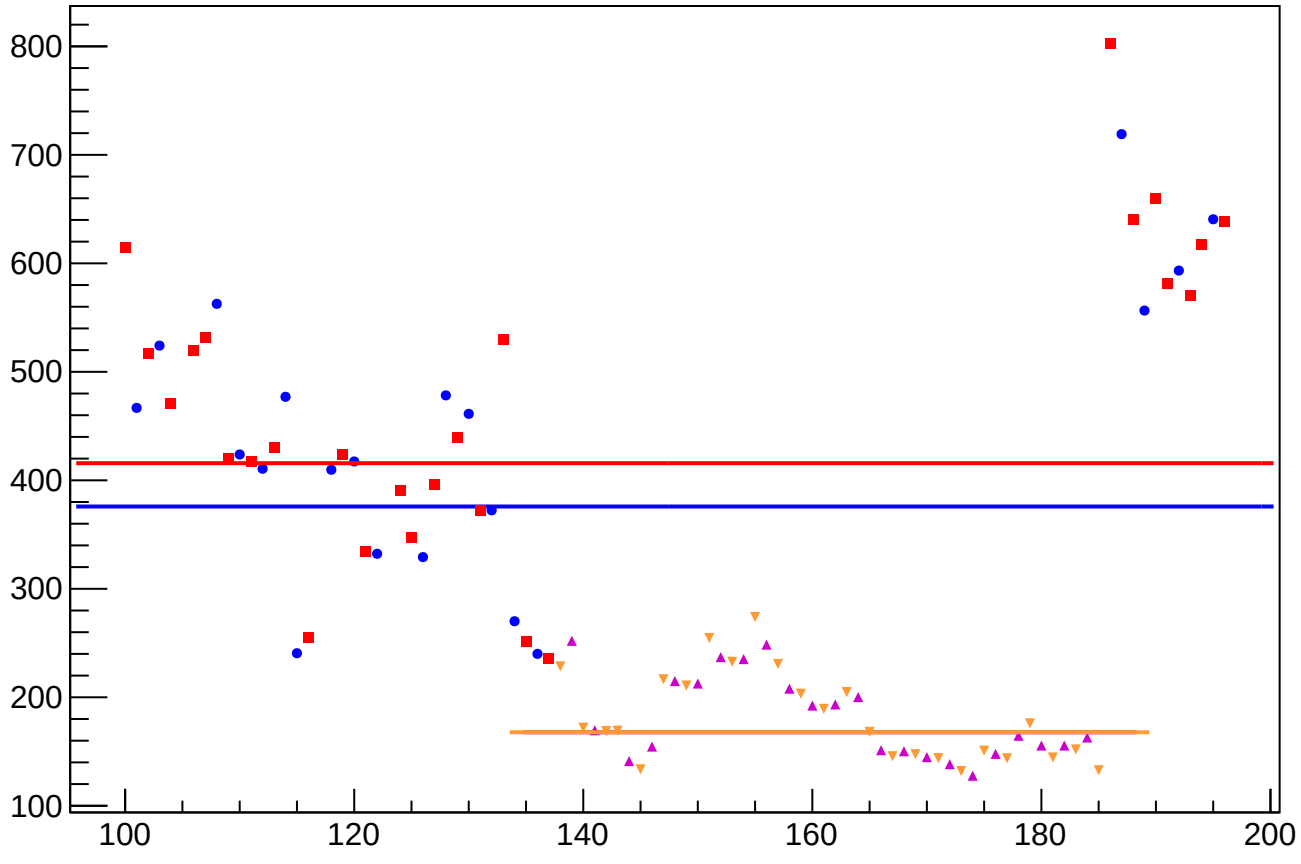
Right Out: 292.743+/-126.732 χ^2/NDF: 17.8/25

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 178.387+/-37.327 χ^2/NDF: 91.3/44

All: 115.179+/-26.700 χ^2/NDF: 145.9/93

- sign 48.961+/-38.206 χ^2/NDF: 48.8/48



Right In: 375.857+/-0.090 χ^2/NDF: 1902789.4/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 415.777+/-0.090 χ^2/NDF: 2197742.1/25

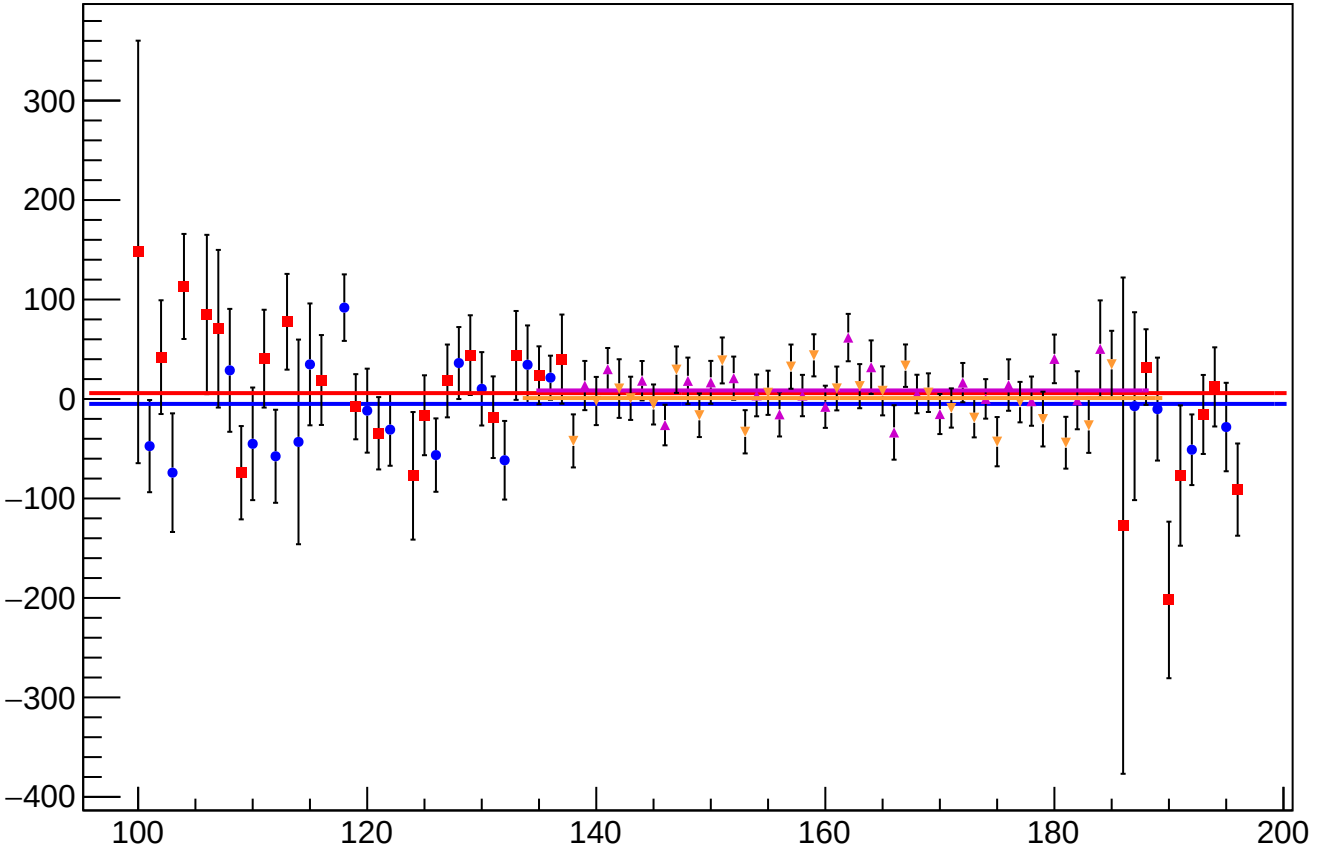
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 185.700+/-0.026 χ^2/NDF: 8379193.8/44

All: 187.942+/-0.019 χ^2/NDF: 18959254.3/93

- sign 190.290+/-0.027 χ^2/NDF: 10565286.0/48

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.941+/-9.249 χ^2/NDF: 23.5/19

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.906+/-9.022 χ^2/NDF: 32.6/25

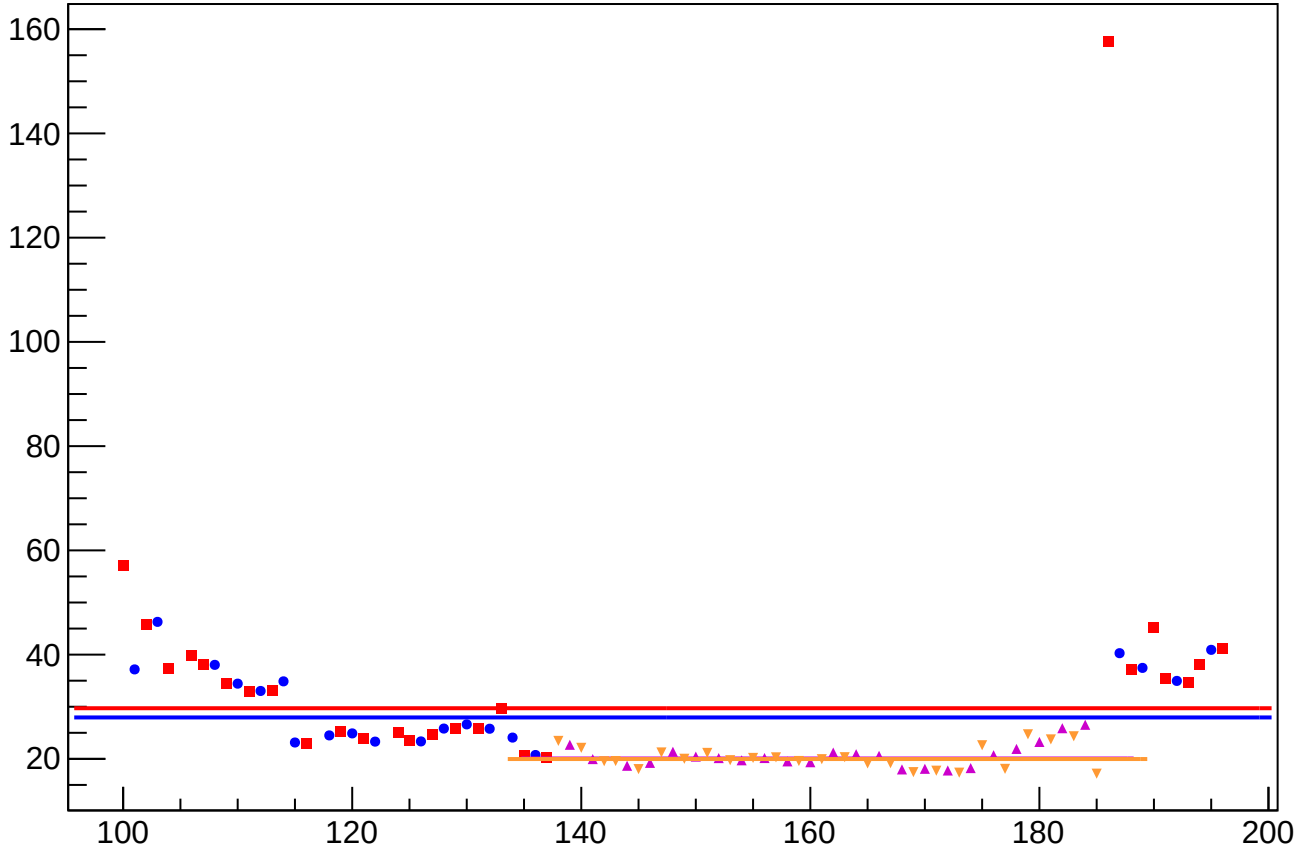
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.236+/-4.100 χ^2/NDF: 53.1/44

All: 3.808+/-2.929 χ^2/NDF: 107.1/93

- sign 8.021+/-4.185 χ^2/NDF: 52.0/48

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.948+/-0.007 χ^2/NDF: 1084398.4/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

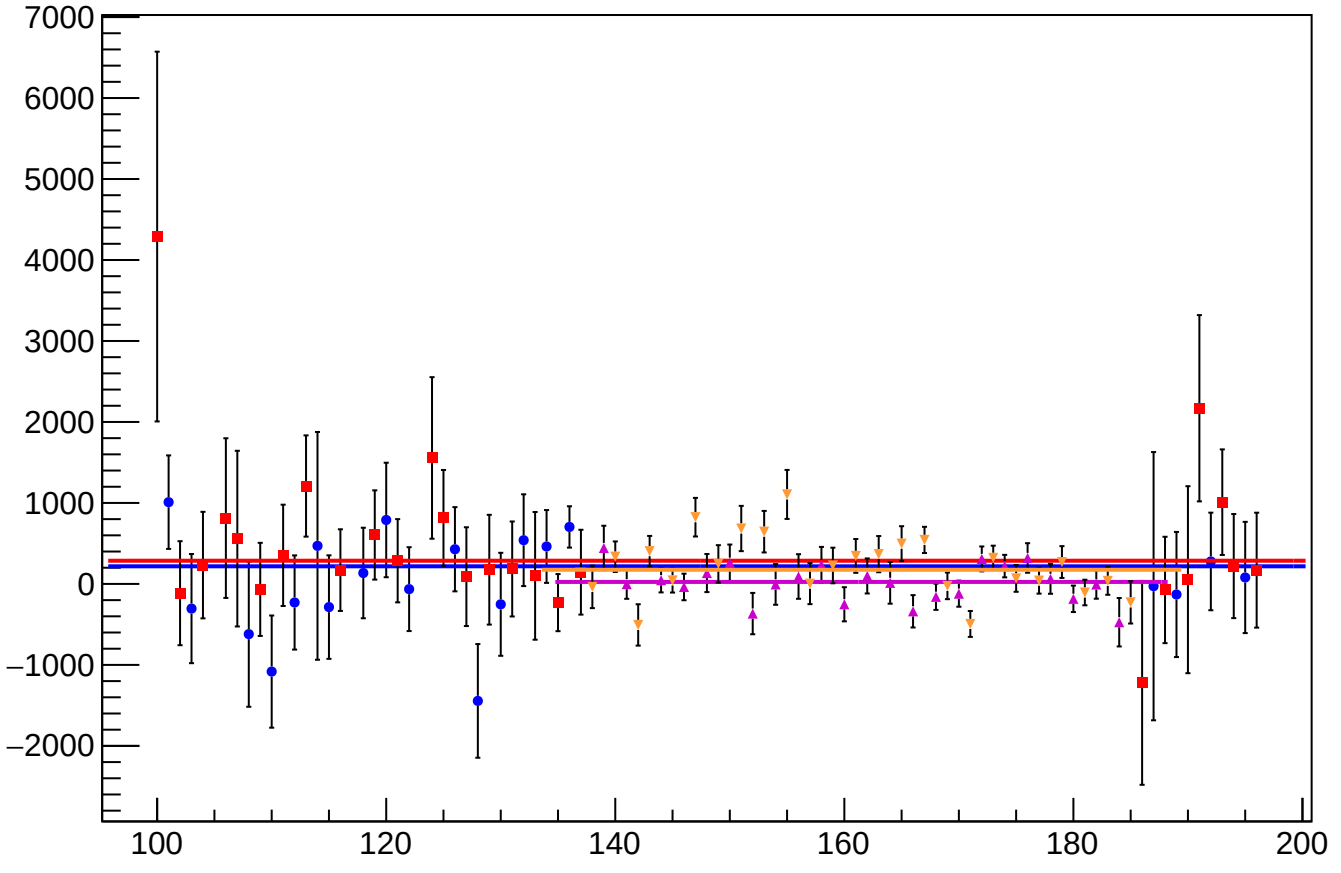
Right Out: 29.716+/-0.006 χ^2/NDF: 1807292.9/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 21.537+/-0.003 χ^2/NDF: 2667292.2/44

All: 21.836+/-0.002 χ^2/NDF: 6591639.7/93

\- sign 22.147+/-0.003 χ^2/NDF: 3902617.3/48



Right In: 217.531+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

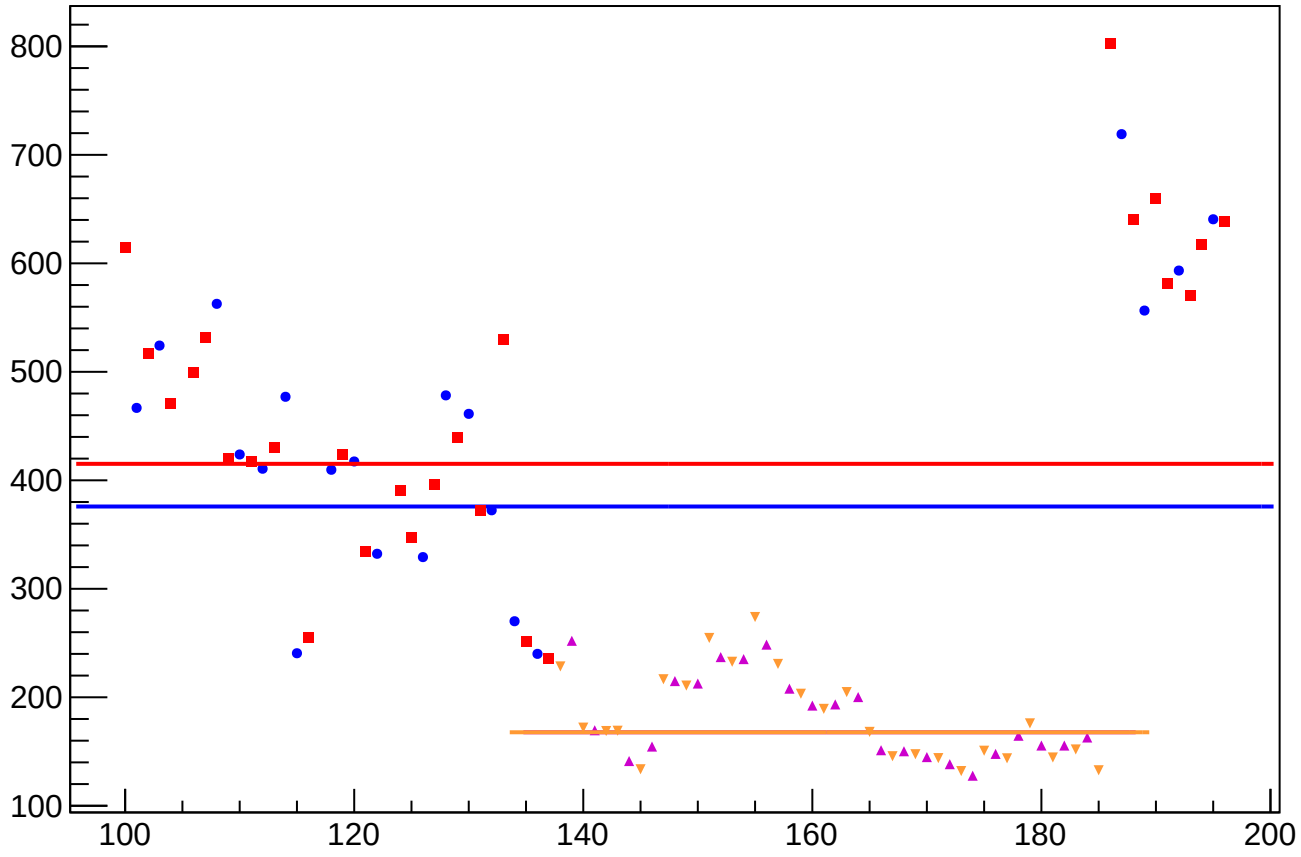
Right Out: 286.526+/-126.893 χ^2/NDF: 17.4/25

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.385+/-37.327 χ^2/NDF: 91.3/44

All: 114.883+/-26.701 χ^2/NDF: 145.3/93

- sign 48.341+/-38.210 χ^2/NDF: 48.1/48



Right In: 375.857+/-0.090 χ^2/NDF: 1902816.6/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

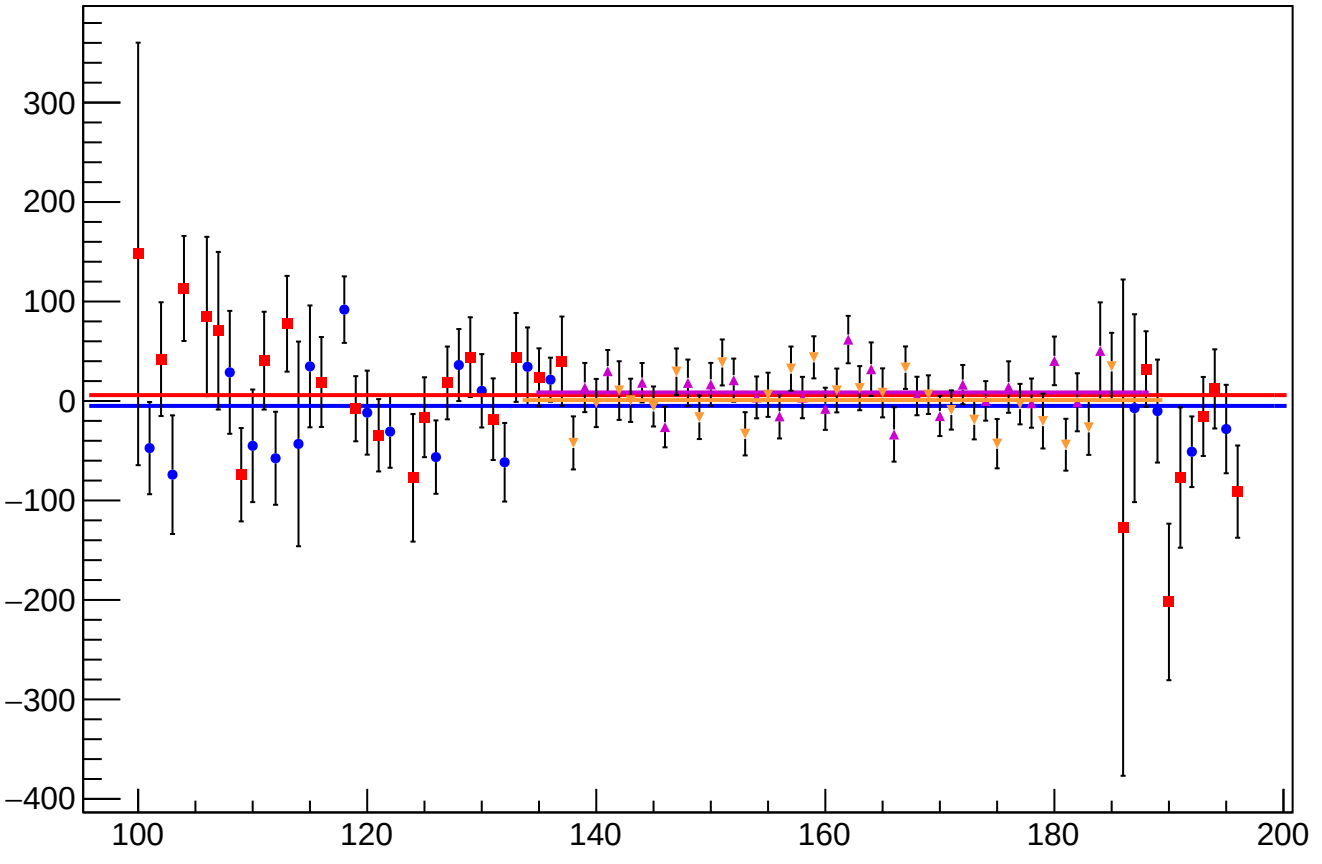
Right Out: 415.185+/-0.090 χ^2/NDF: 2186647.2/25

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 185.699+/-0.026 χ^2/NDF: 8379216.8/44

All: 187.890+/-0.019 χ^2/NDF: 18898253.2/93

- sign 190.185+/-0.027 χ^2/NDF: 10504935.7/48



Right In: -4.941+/-9.249 χ^2/NDF: 23.5/19

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.906+/-9.022 χ^2/NDF: 32.6/25

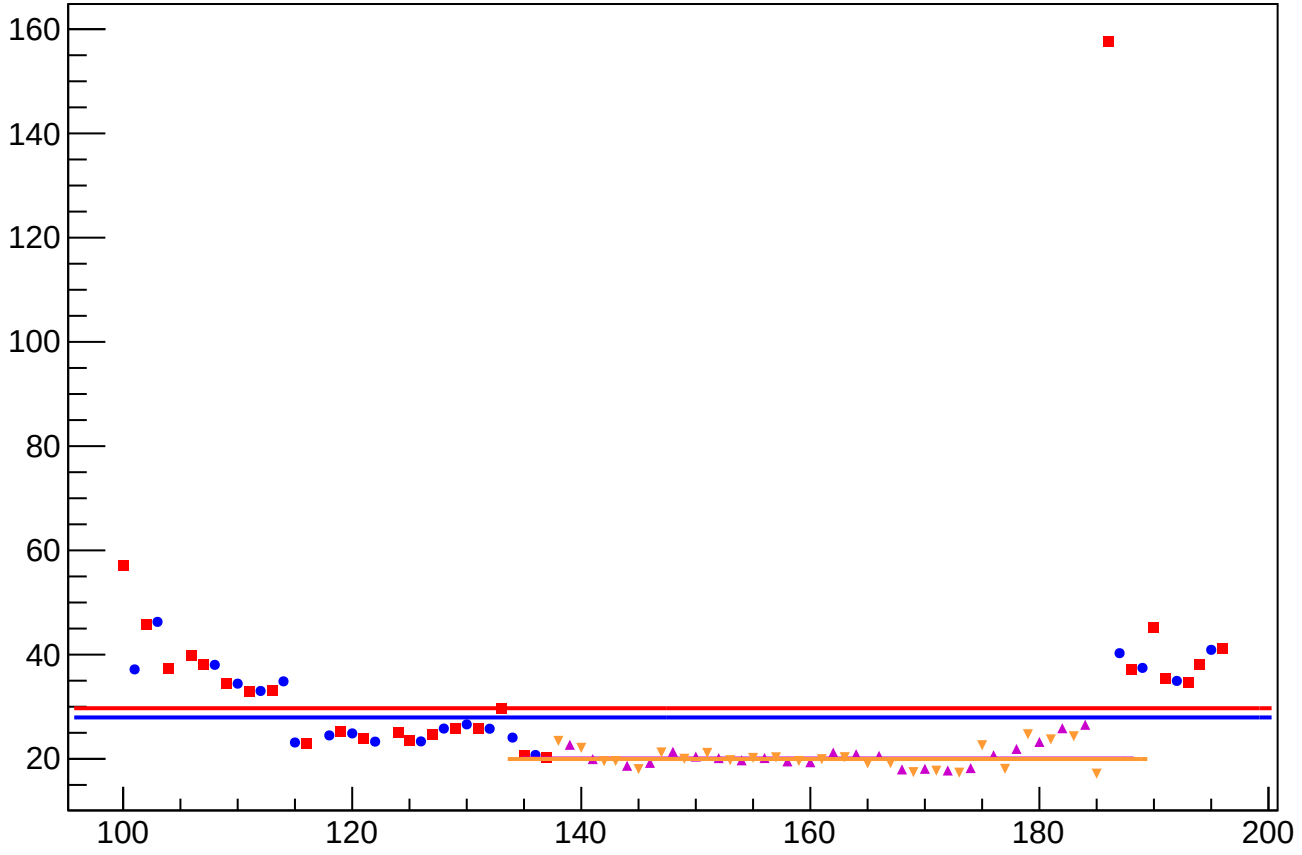
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.236+/-4.100 χ^2/NDF: 53.1/44

All: 3.808+/-2.929 χ^2/NDF: 107.1/93

- sign 8.021+/-4.185 χ^2/NDF: 52.0/48

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.948+/-0.007 χ^2/NDF: 1084398.4/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

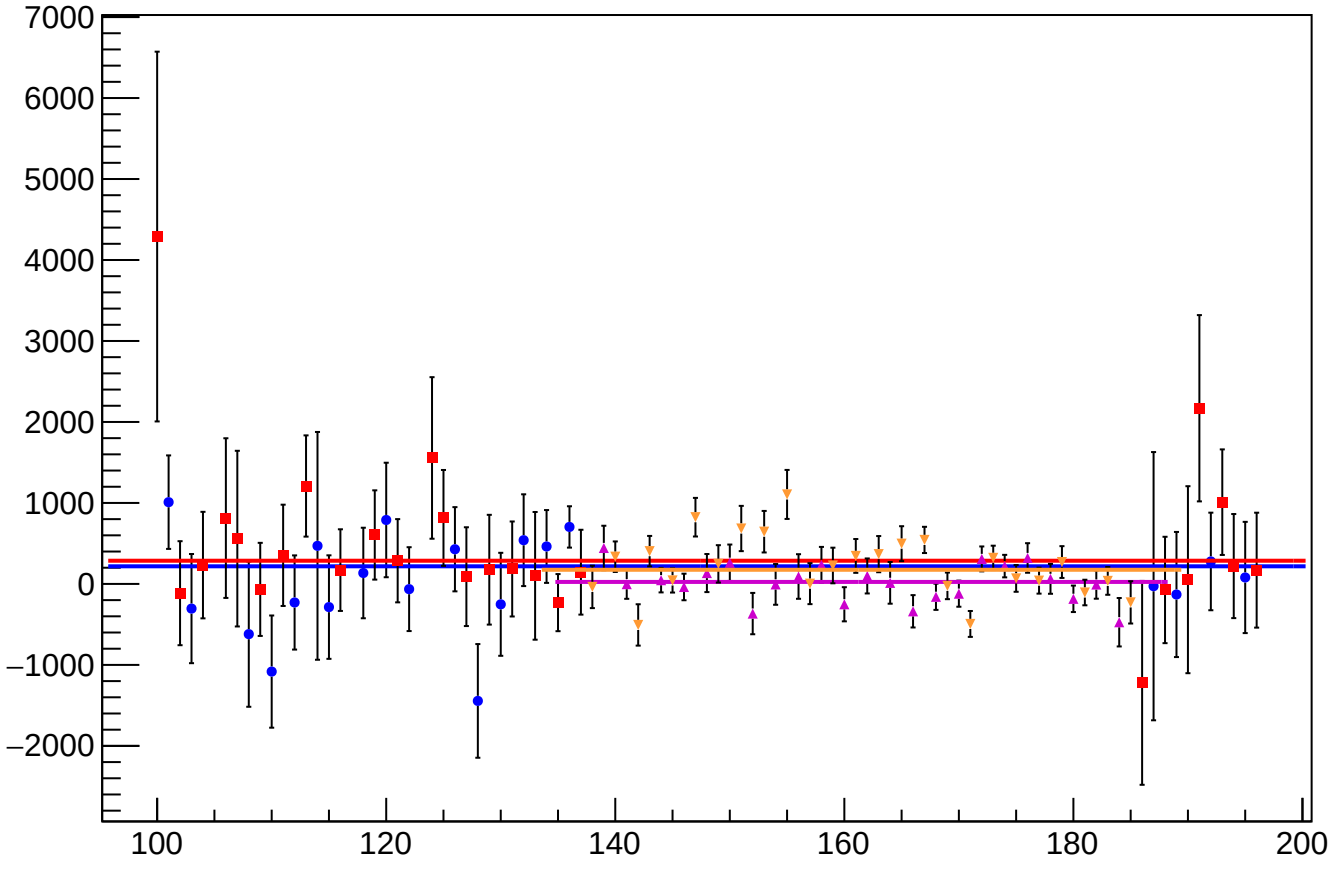
Right Out: 29.716+/-0.006 χ^2/NDF: 1807292.9/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.537+/-0.003 χ^2/NDF: 2667292.2/44

All: 21.836+/-0.002 χ^2/NDF: 6591639.7/93

- sign 22.147+/-0.003 χ^2/NDF: 3902617.3/48



Right In: 217.531+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

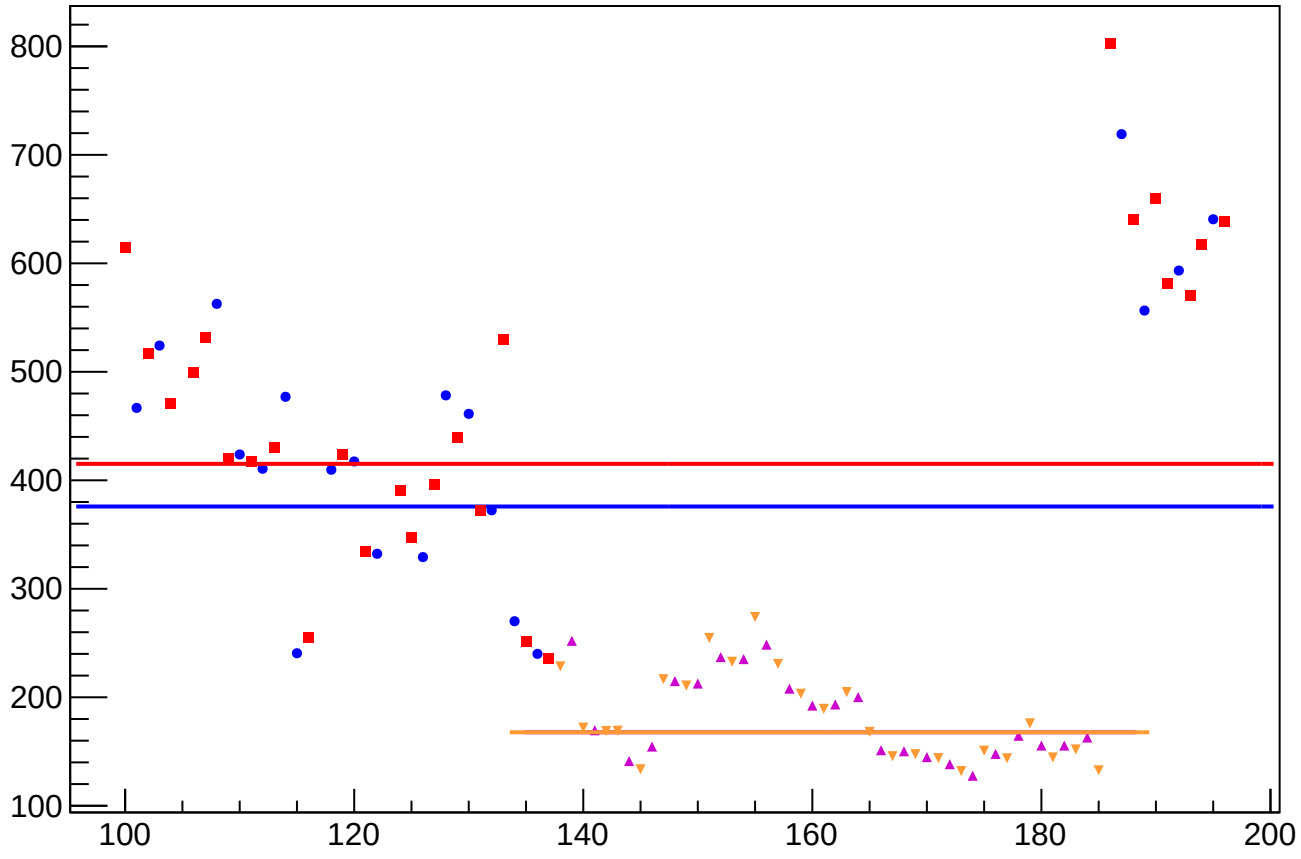
Right Out: 286.526+/-126.893 χ^2/NDF: 17.4/25

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.385+/-37.327 χ^2/NDF: 91.3/44

All: 114.883+/-26.701 χ^2/NDF: 145.3/93

- sign 48.341+/-38.210 χ^2/NDF: 48.1/48



Right In: 375.857+/-0.090 χ^2/NDF: 1902816.6/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 415.185+/-0.090 χ^2/NDF: 2186647.2/25

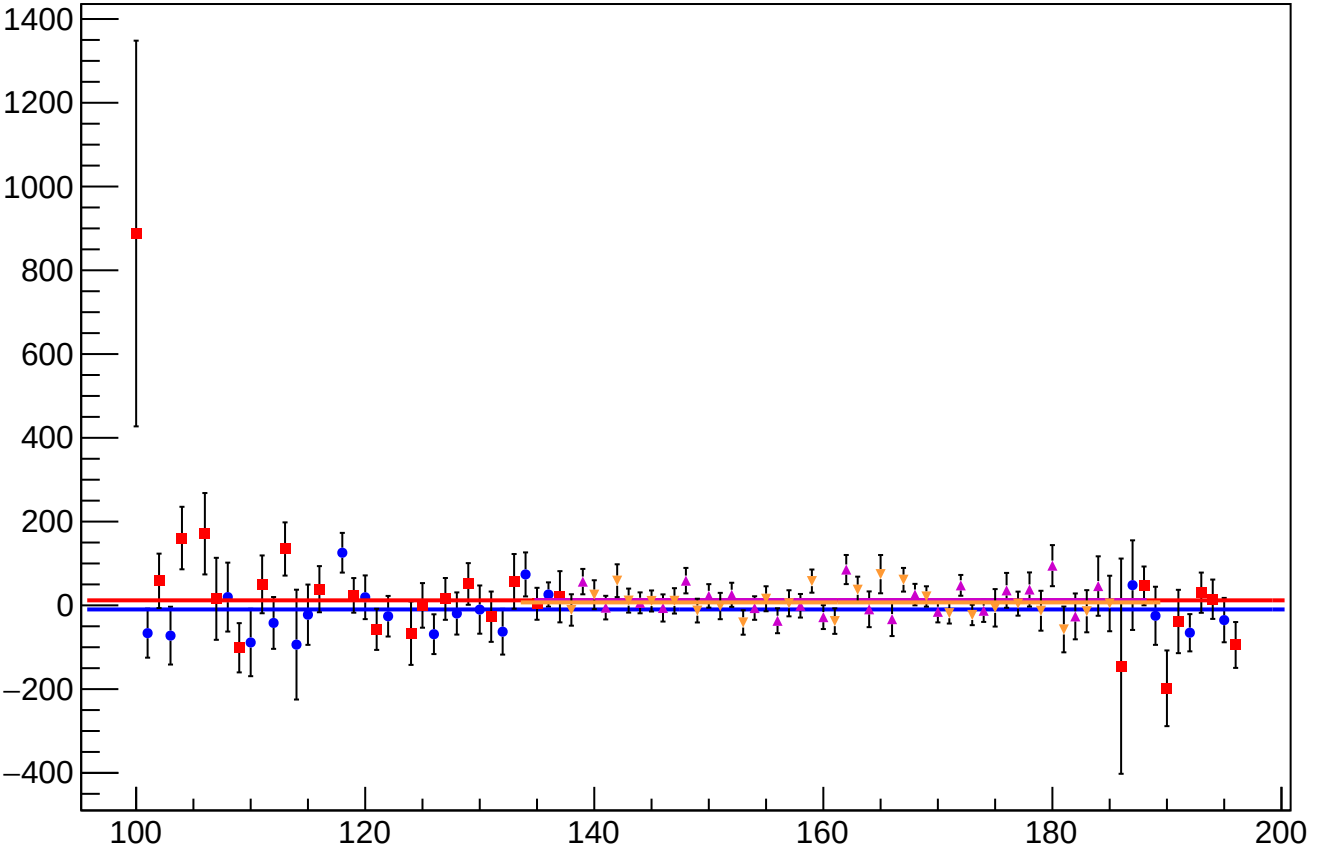
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 185.699+/-0.026 χ^2/NDF: 8379216.8/44

All: 187.890+/-0.019 χ^2/NDF: 18898253.2/93

- sign 190.185+/-0.027 χ^2/NDF: 10504935.7/48

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.753+/-12.187 χ^2/NDF: 20.8/19

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.982+/-11.542 χ^2/NDF: 34.3/25

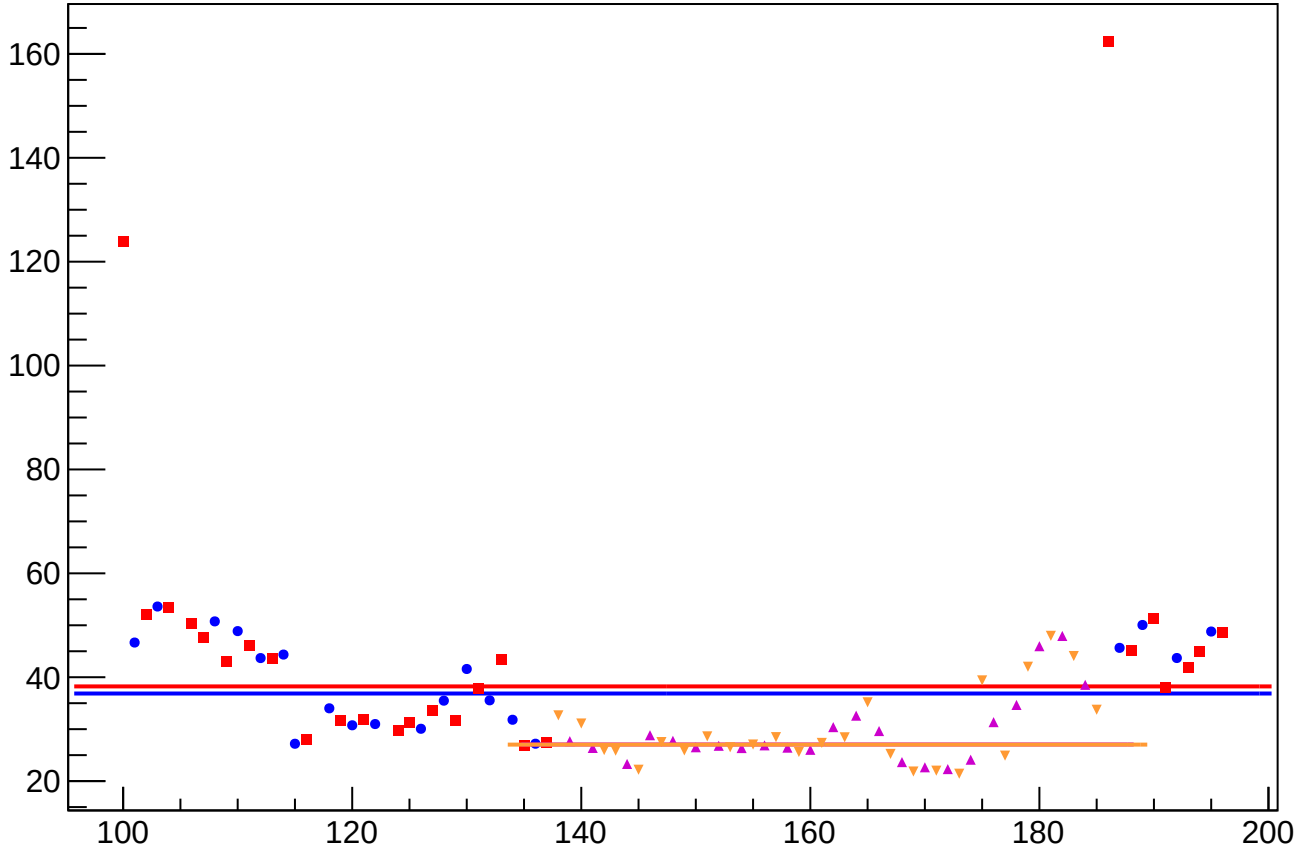
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.500+/-5.620 χ^2/NDF: 45.1/44

All: 7.970+/-3.992 χ^2/NDF: 106.2/93

- sign 12.524+/-5.673 χ^2/NDF: 59.9/48

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.863+/-0.009 χ^2/NDF: 937951.1/19

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

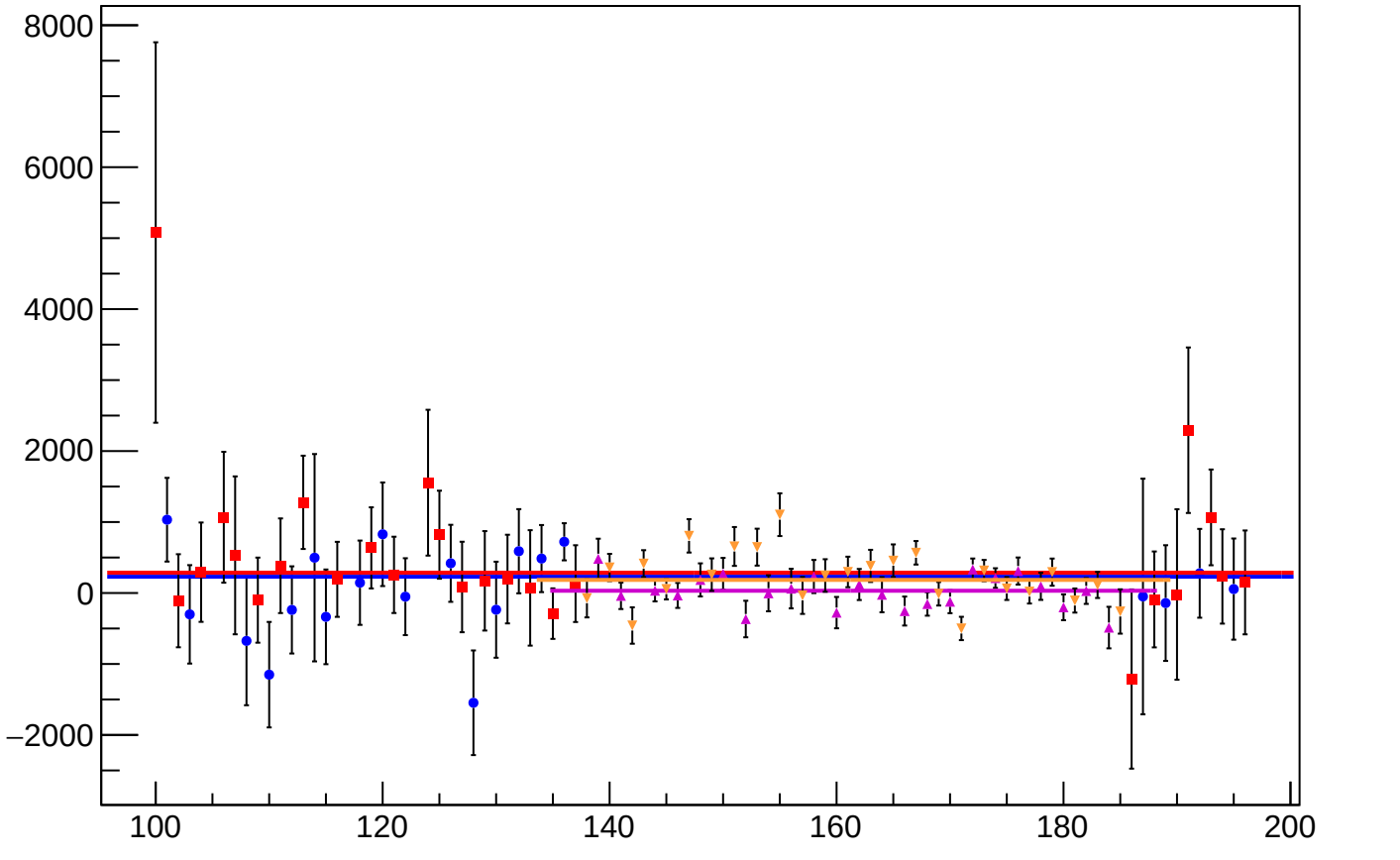
Right Out: 38.232+/-0.008 χ^2/NDF: 1536768.6/25

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.118+/-0.004 χ^2/NDF: 3394379.8/44

All: 29.432+/-0.003 χ^2/NDF: 7411364.0/93

- sign 29.752+/-0.004 χ^2/NDF: 4004349.8/48



Right In: 229.228+/-132.207 χ^2/NDF: 20.1/19

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

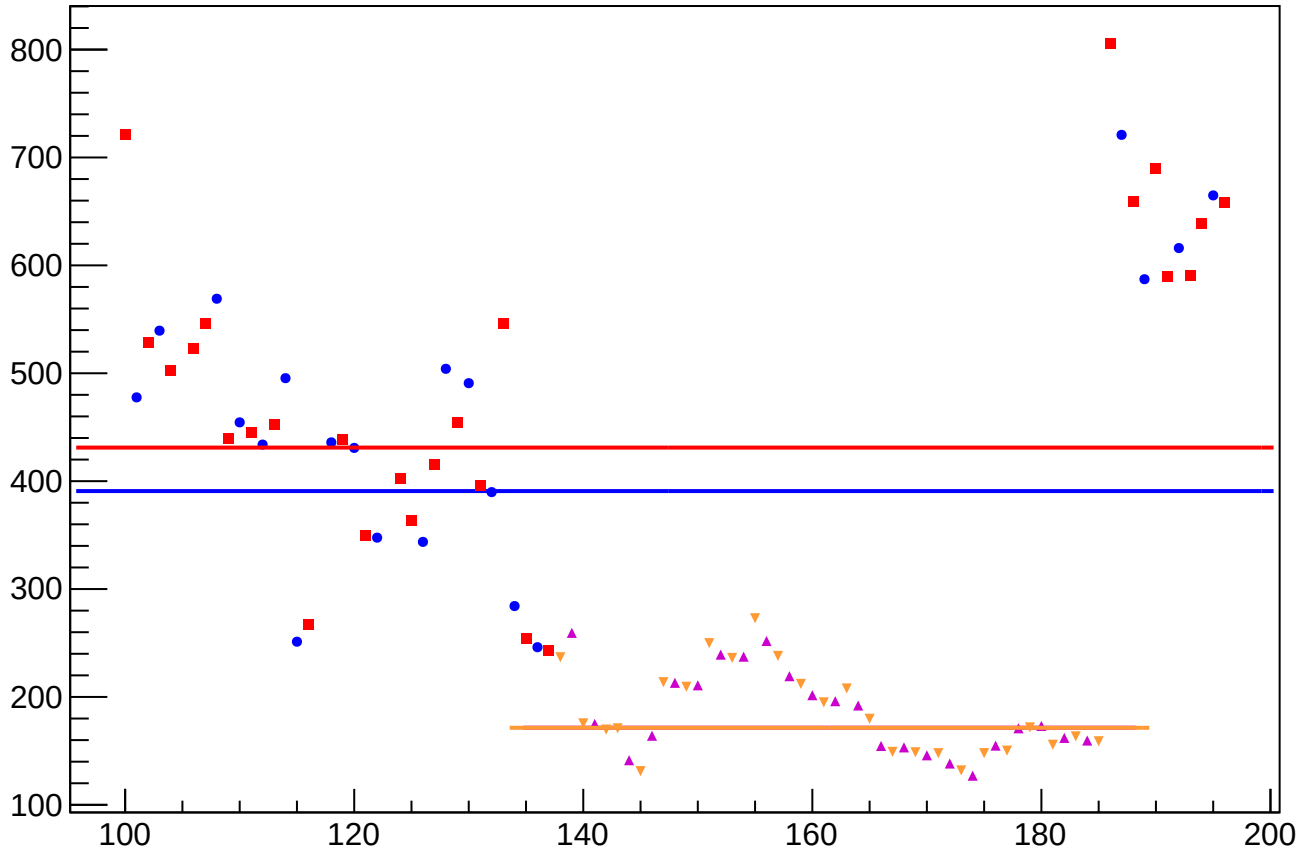
Right Out: 286.495+/-131.368 χ^2/NDF: 18.8/25

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.382+/-38.139 χ^2/NDF: 87.9/44

All: 123.118+/-27.307 χ^2/NDF: 142.4/93

- sign 54.465+/-39.116 χ^2/NDF: 48.6/48



Right In: 390.806+/-0.093 χ^2/NDF: 1935096.8/19

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 431.126+/-0.093 χ^2/NDF: 2213165.8/25

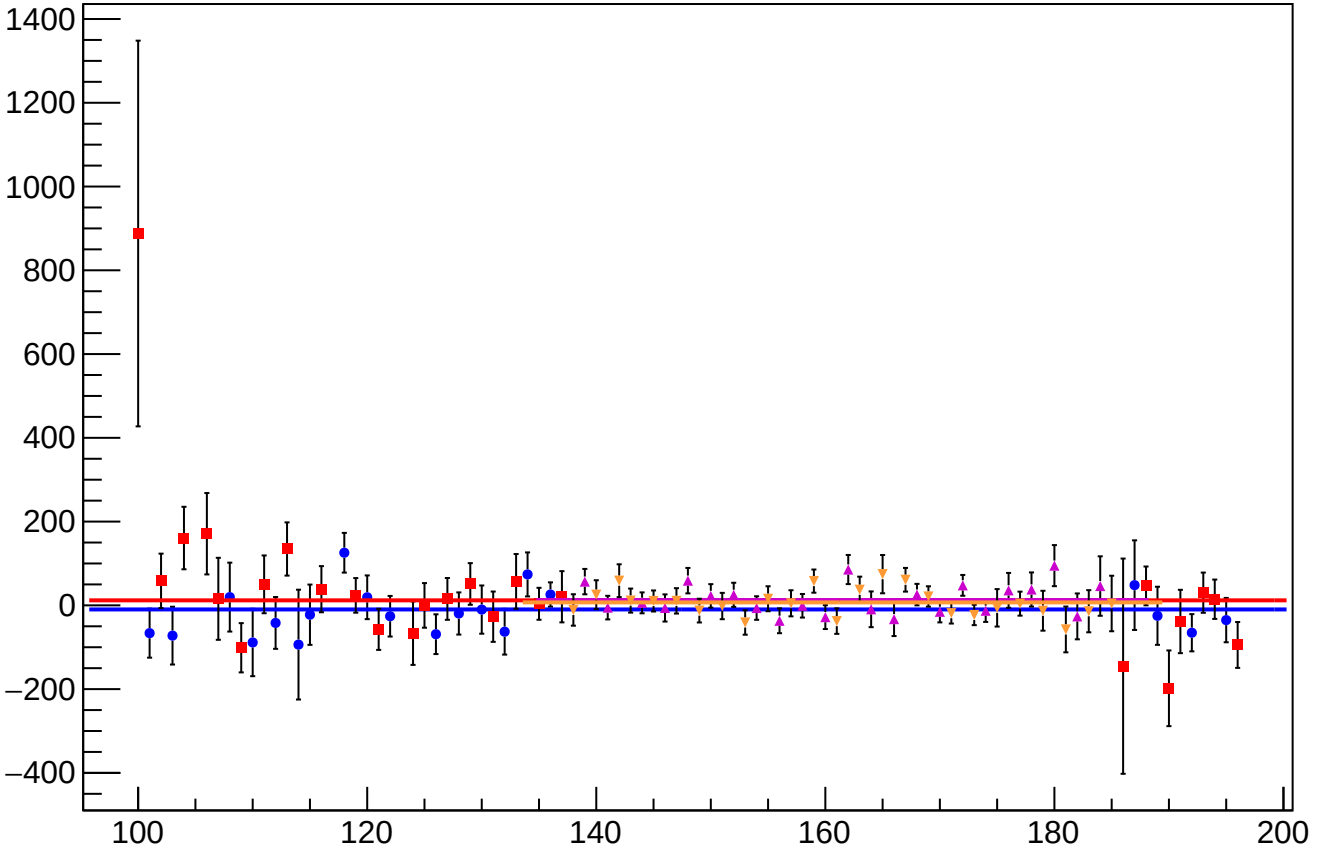
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 189.683+/-0.027 χ^2/NDF: 8510664.4/44

All: 192.035+/-0.019 χ^2/NDF: 19274890.0/93

- sign 194.510+/-0.028 χ^2/NDF: 10748616.4/48

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.753+/-12.187 χ^2/NDF: 20.8/19

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.981+/-11.542 χ^2/NDF: 34.3/25

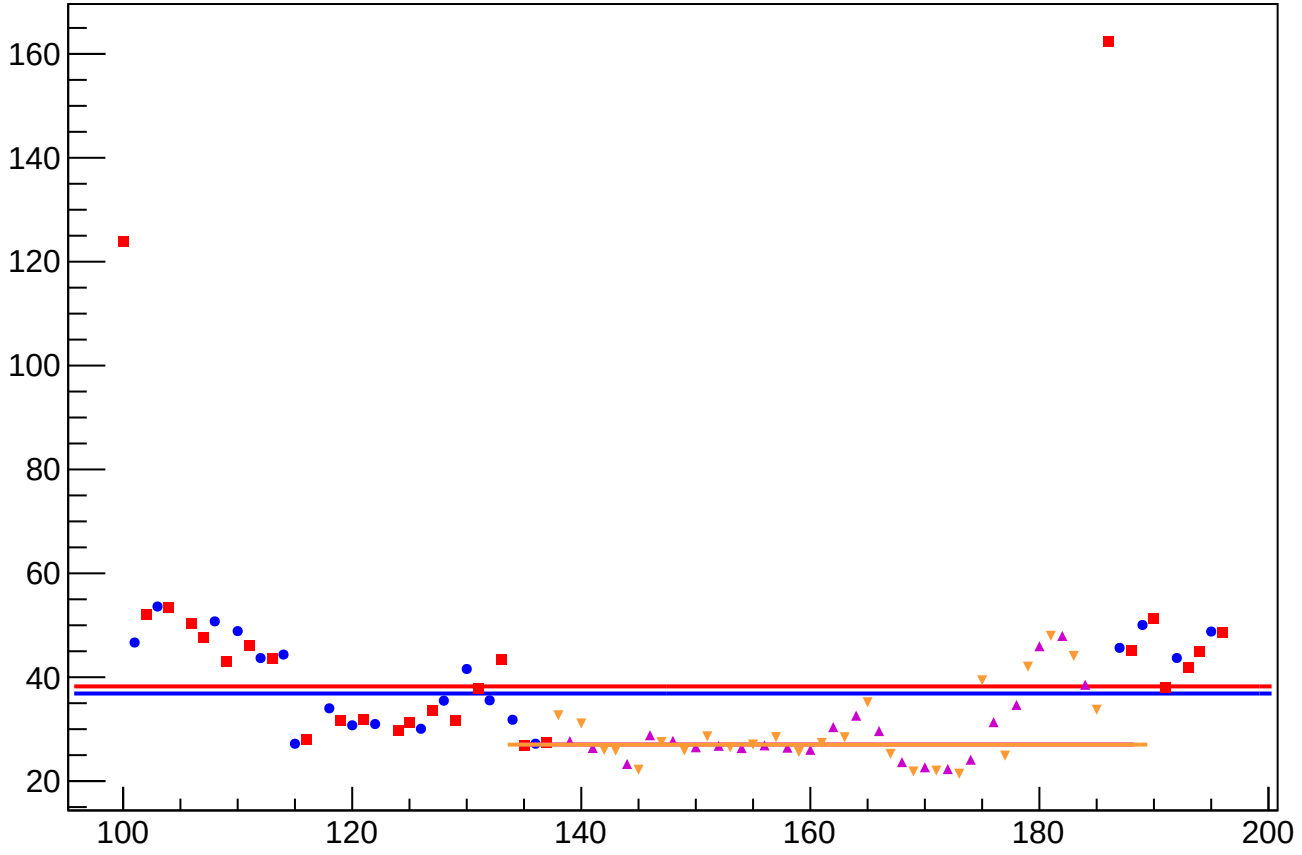
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.500+/-5.620 χ^2/NDF: 45.1/44

All: 7.970+/-3.992 χ^2/NDF: 106.2/93

- sign 12.524+/-5.673 χ^2/NDF: 59.9/48

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.863+/-0.009 χ^2/NDF: 937930.1/19

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

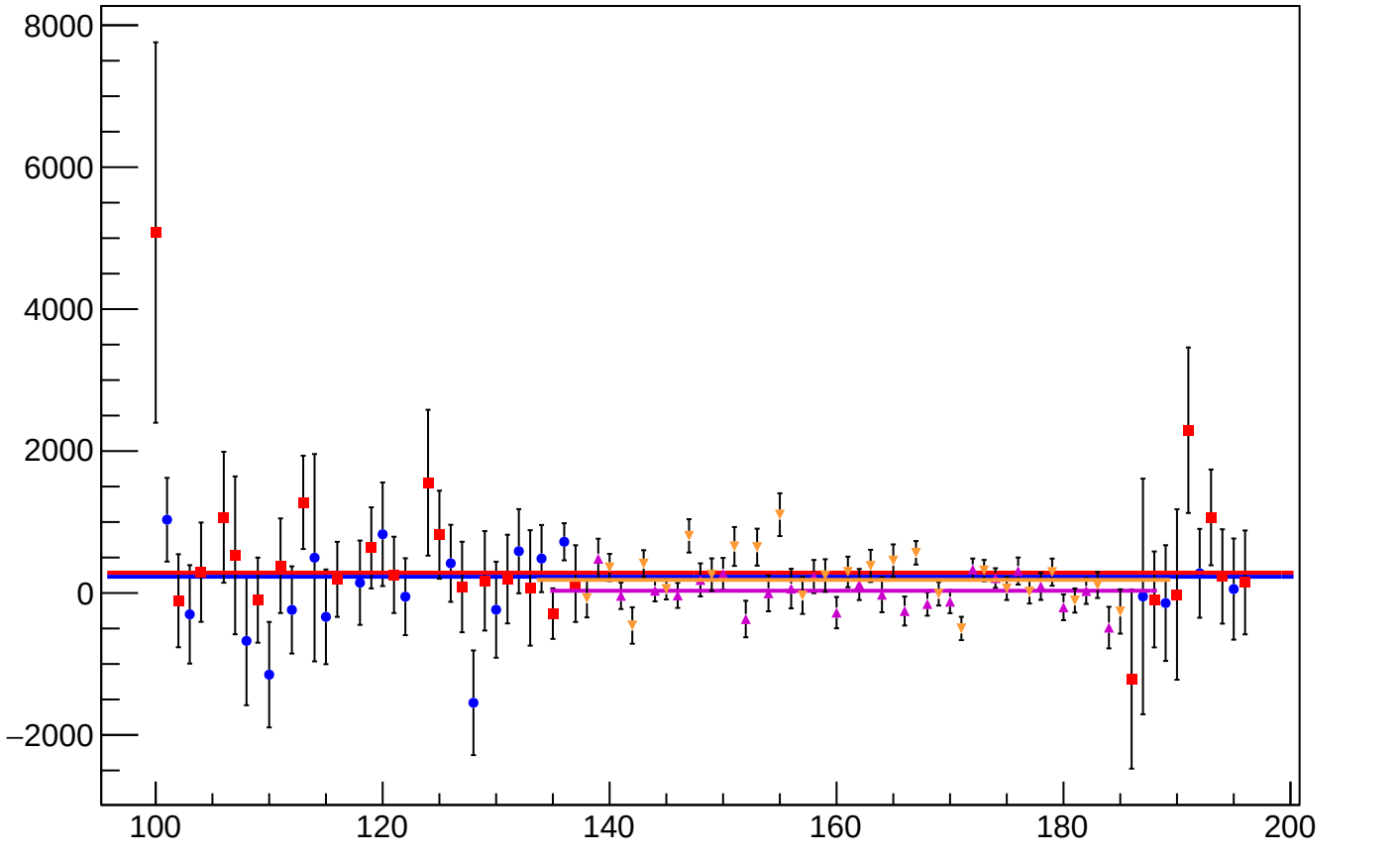
Right Out: 38.231+/-0.008 χ^2/NDF: 1536765.5/25

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.118+/-0.004 χ^2/NDF: 3394274.8/44

All: 29.432+/-0.003 χ^2/NDF: 7411140.4/93

- sign 29.752+/-0.004 χ^2/NDF: 4004232.1/48



Right In: 229.226+/-132.206 χ^2/NDF: 20.1/19

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

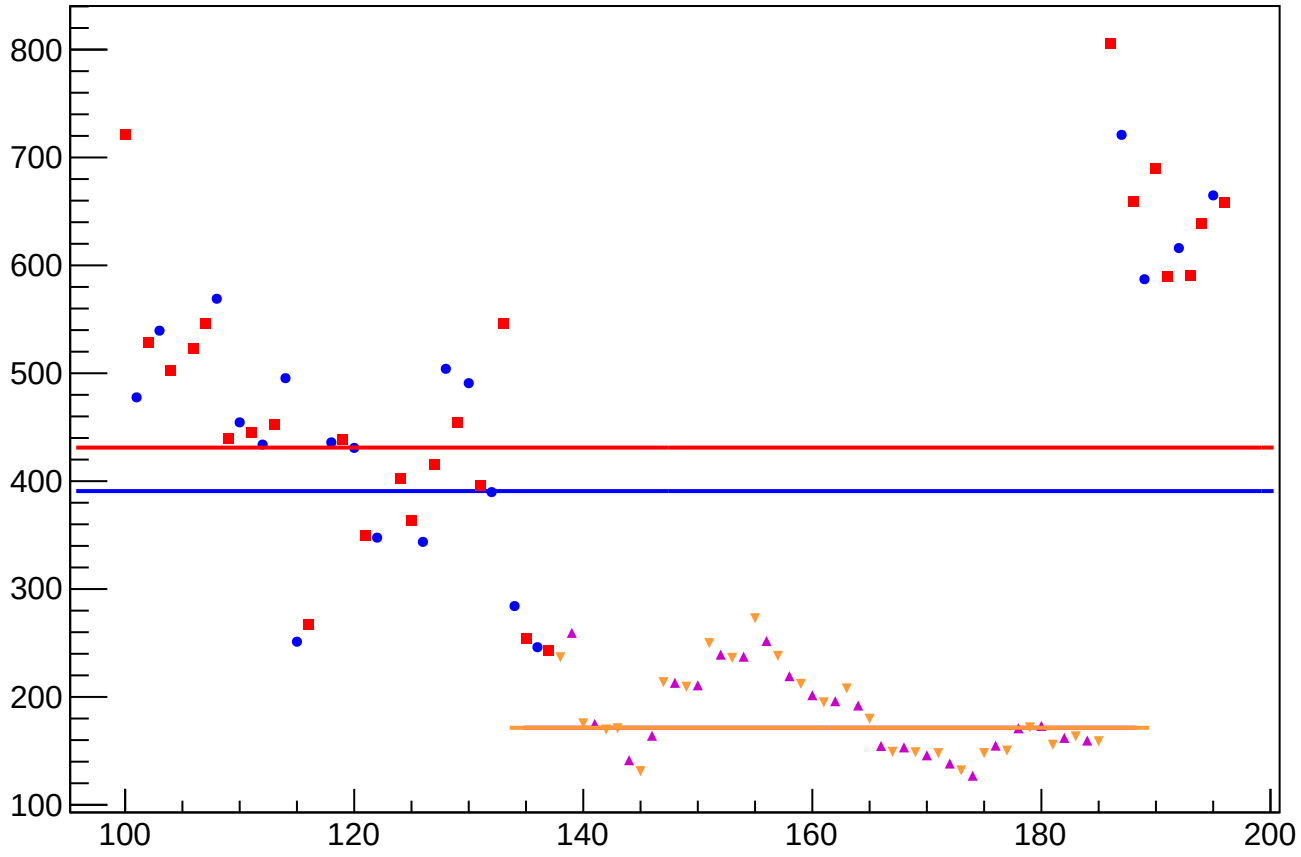
Right Out: 286.495+/-131.368 χ^2/NDF: 18.8/25

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.382+/-38.138 χ^2/NDF: 87.9/44

All: 123.118+/-27.307 χ^2/NDF: 142.4/93

- sign 54.465+/-39.116 χ^2/NDF: 48.6/48



Right In: 390.805+/-0.093 χ^2/NDF: 1935095.2/19

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 431.125+/-0.093 χ^2/NDF: 2213170.5/25

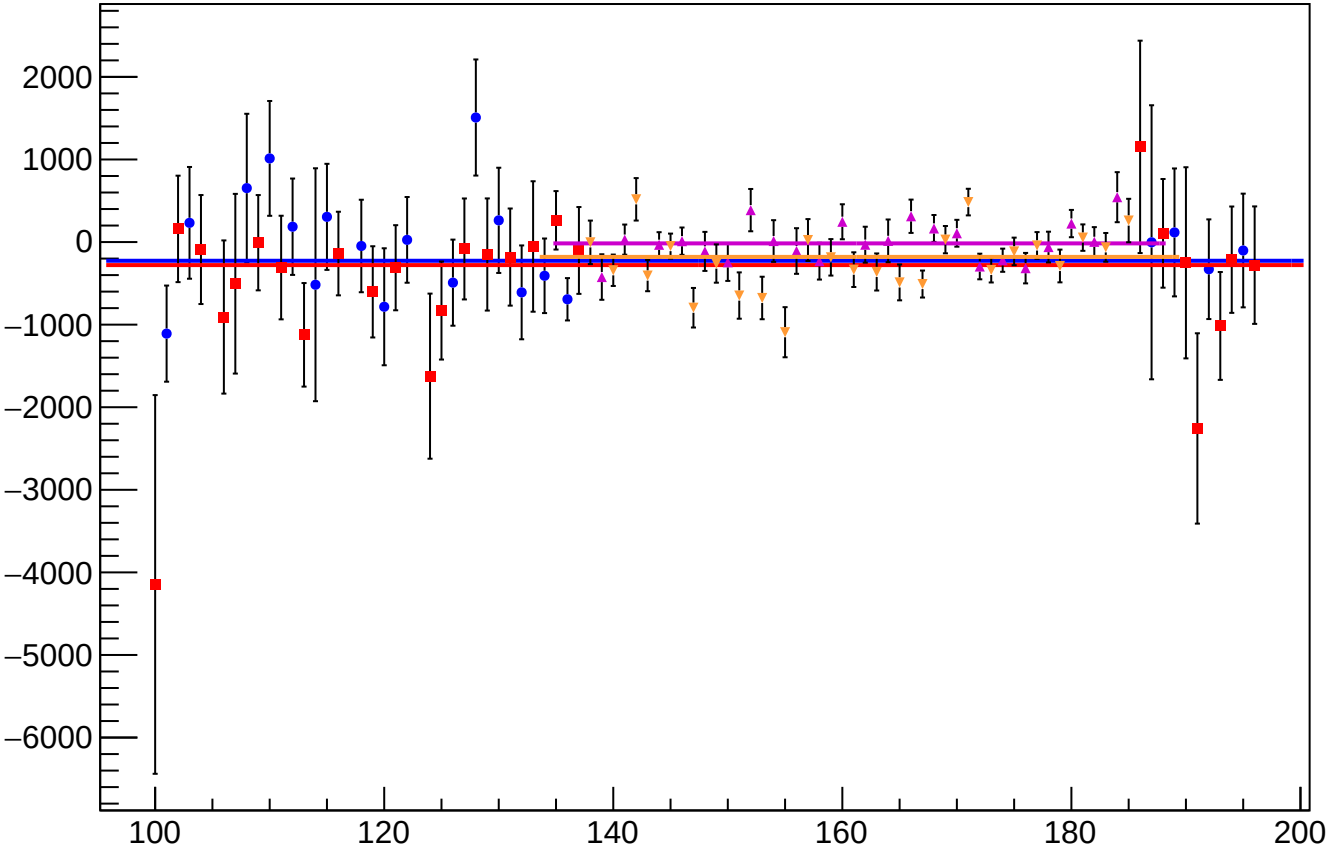
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 189.683+/-0.027 χ^2/NDF: 8510687.0/44

All: 192.035+/-0.019 χ^2/NDF: 19274943.6/93

- sign 194.509+/-0.028 χ^2/NDF: 10748648.1/48

asym_sam_1357_2468_dd_mean vs Slug



Right In: -226.419+/-127.544 χ^2/NDF: 20.2/19

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -278.821+/-127.136 χ^2/NDF: 17.5/25

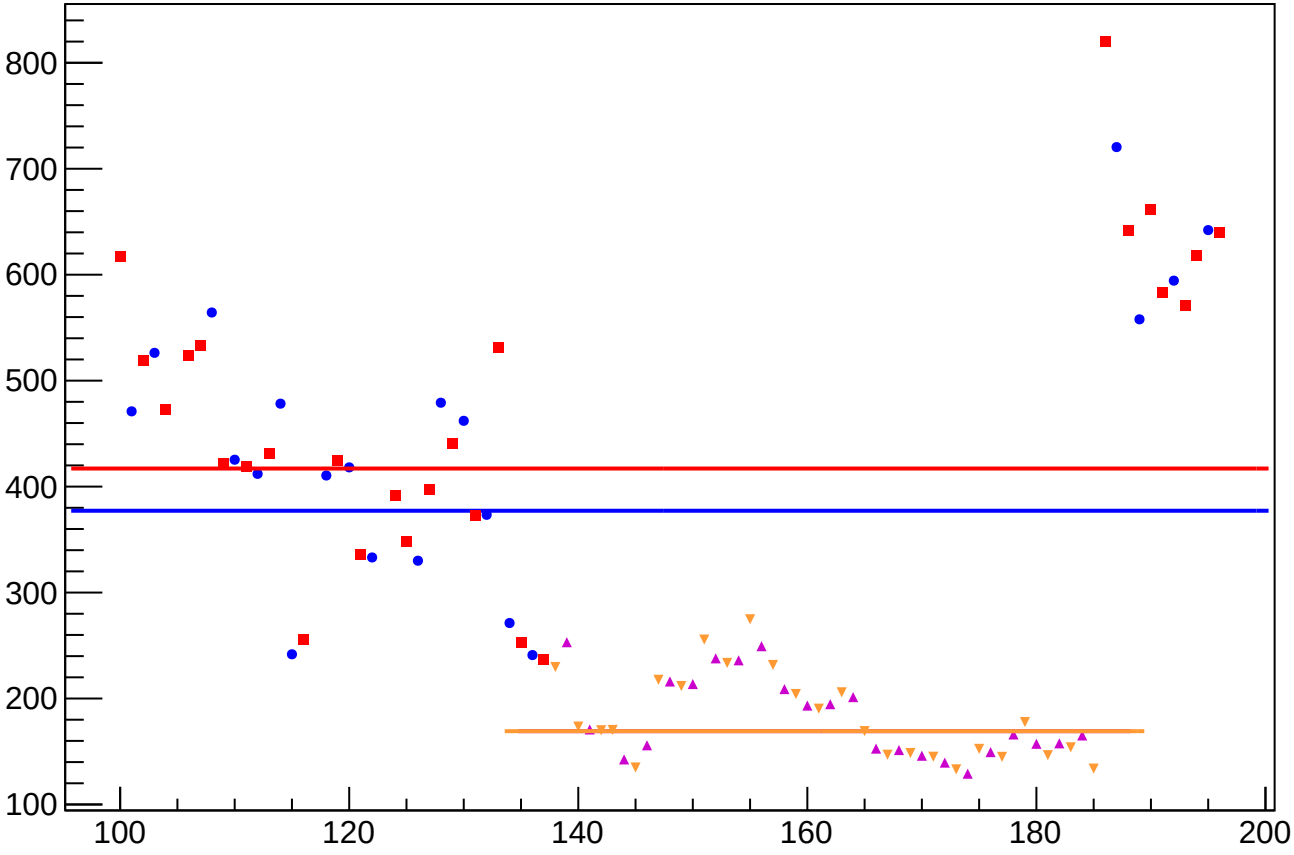
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.723+/-37.613 χ^2/NDF: 87.4/44

All: -113.610+/-26.904 χ^2/NDF: 142.6/93

- sign -40.153+/-38.499 χ^2/NDF: 48.0/48

asym_sam_1357_2468_dd_rms vs Slug



Right In: 377.213+/-0.090 χ^2/NDF: 1897789.3/19

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

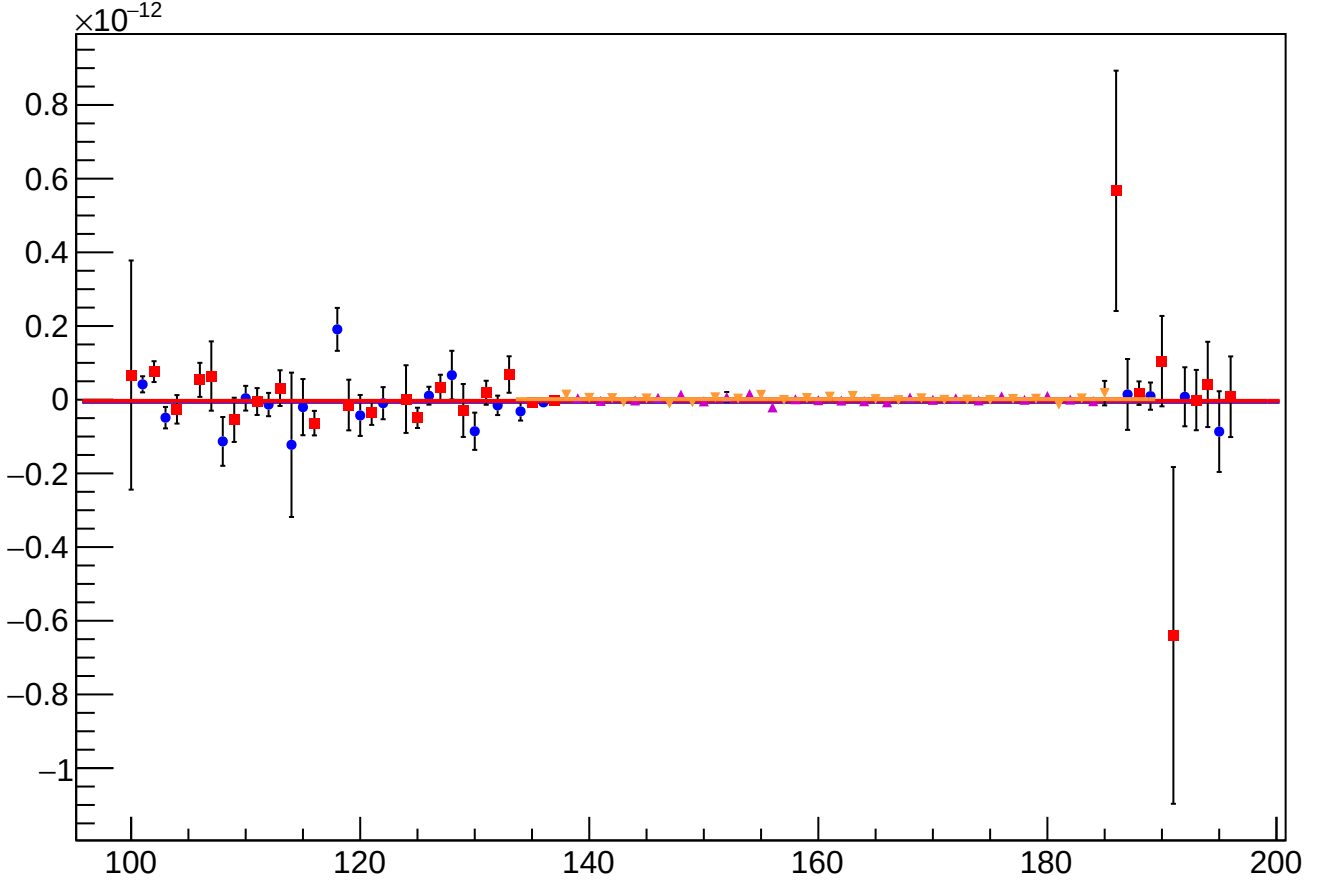
Right Out: 417.065+/-0.090 χ^2/NDF: 2200312.7/25

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 187.274+/-0.027 χ^2/NDF: 8303514.9/44

All: 189.542+/-0.019 χ^2/NDF: 18798735.4/93

- sign 191.918+/-0.027 χ^2/NDF: 10480330.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

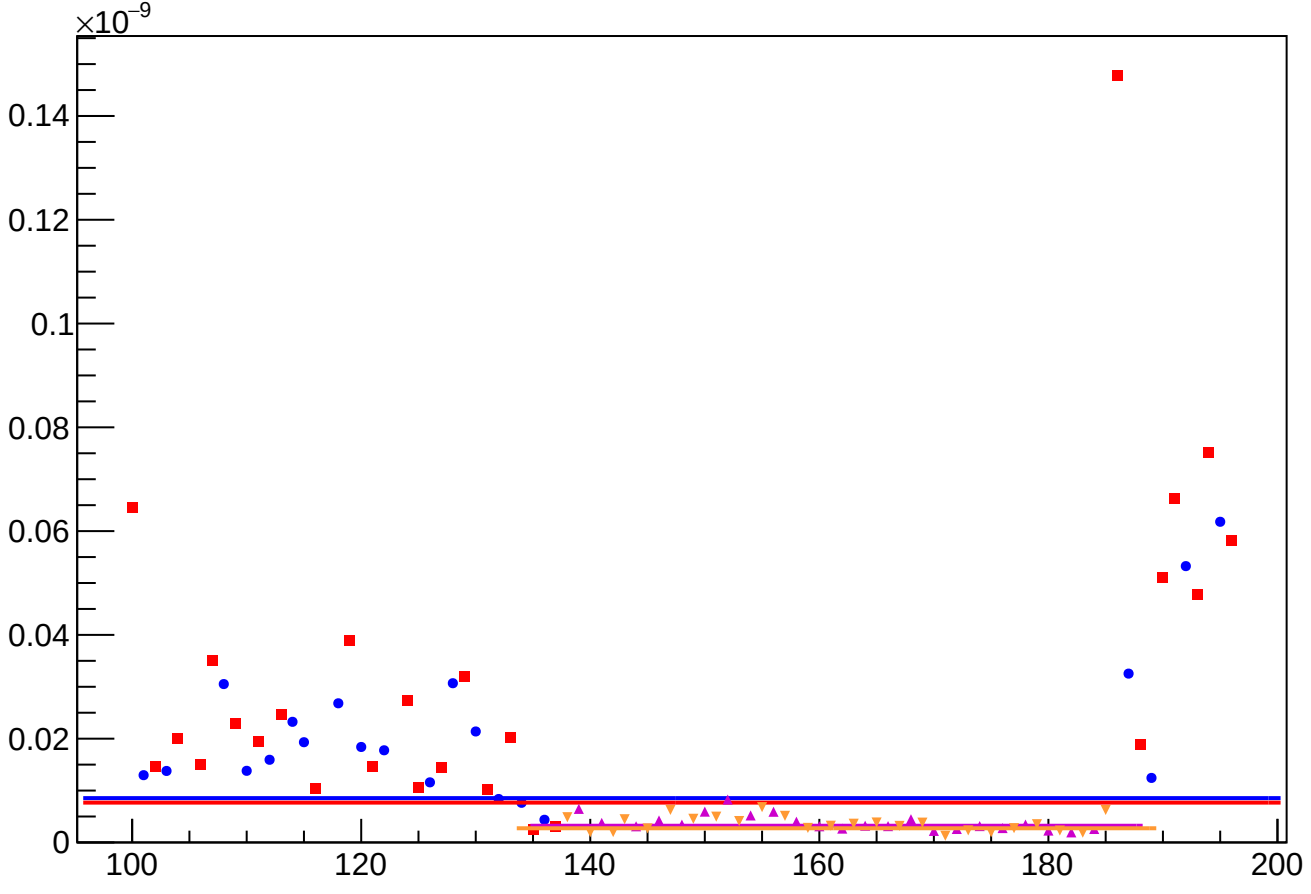
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/25

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/44

All: 0.000+/-0.000 χ^2/NDF: 98.2/93

- sign 0.000+/-0.000 χ^2/NDF: 49.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3210480.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

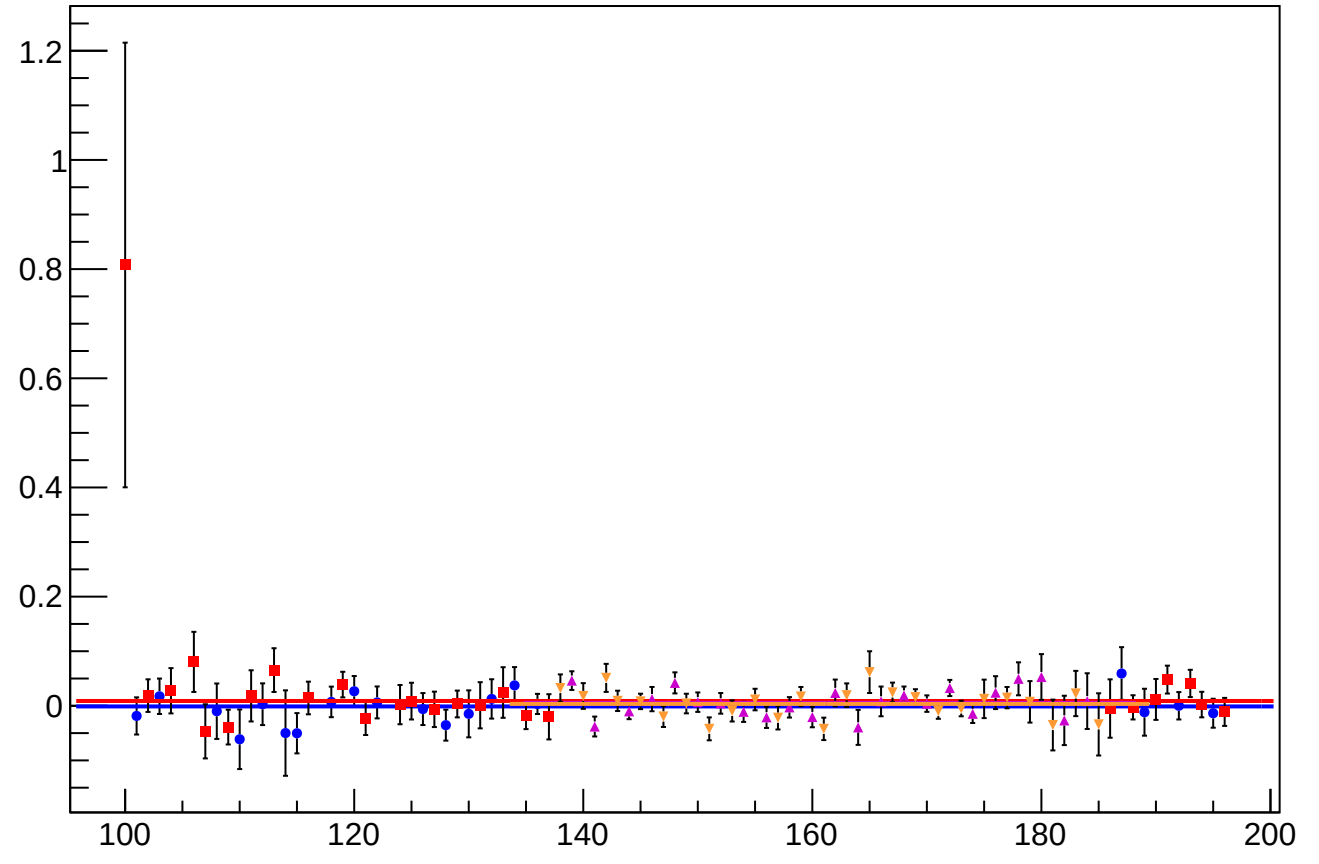
Right Out: 0.000+/-0.000 χ^2/NDF: 5918344.6/25

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7202258.8/44

All: 0.000+/-0.000 χ^2/NDF: 15906905.5/93

- sign 0.000+/-0.000 χ^2/NDF: 8539996.7/48



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

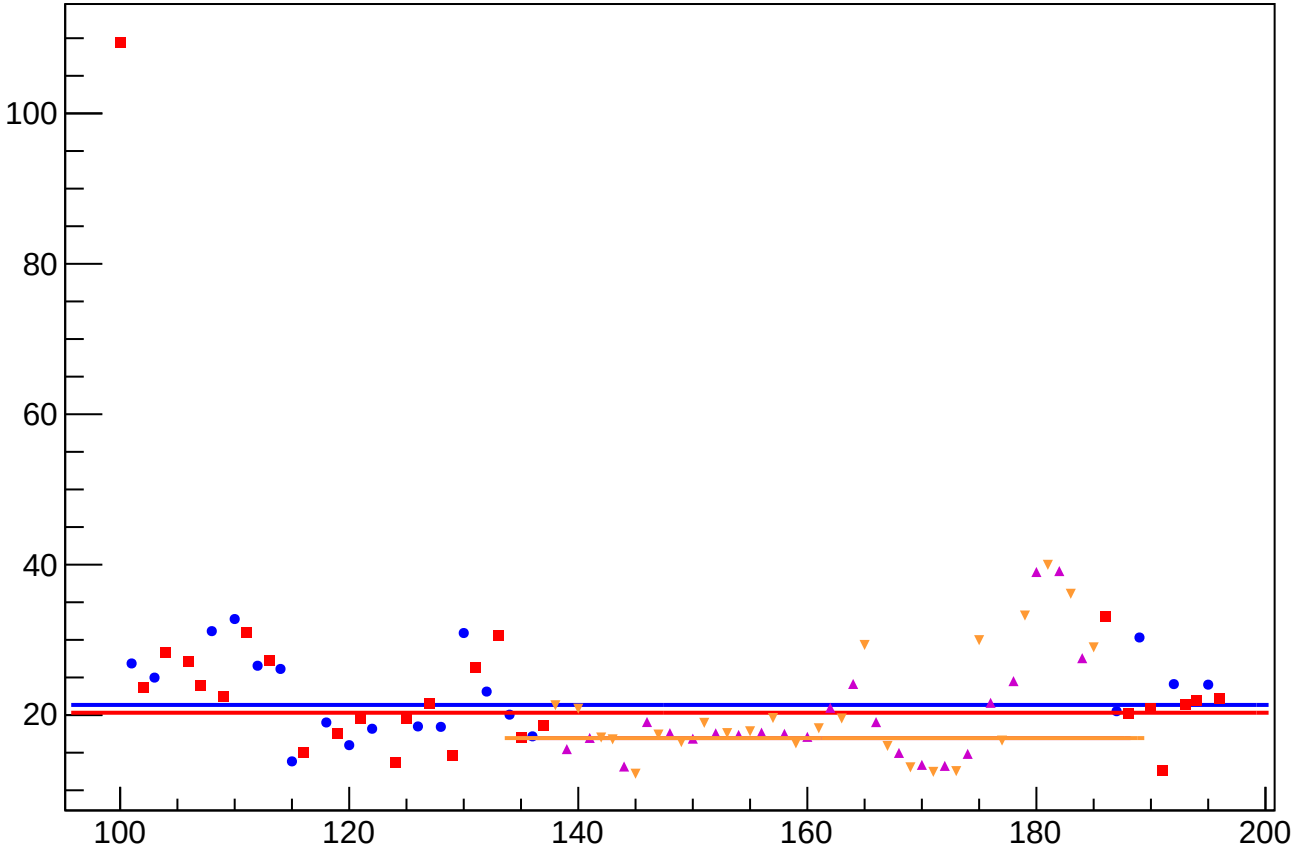
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.004+/-0.002 χ^2/NDF: 92.9/93

- 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: 21.349+/-0.005 χ^2/NDF: 859787.0/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

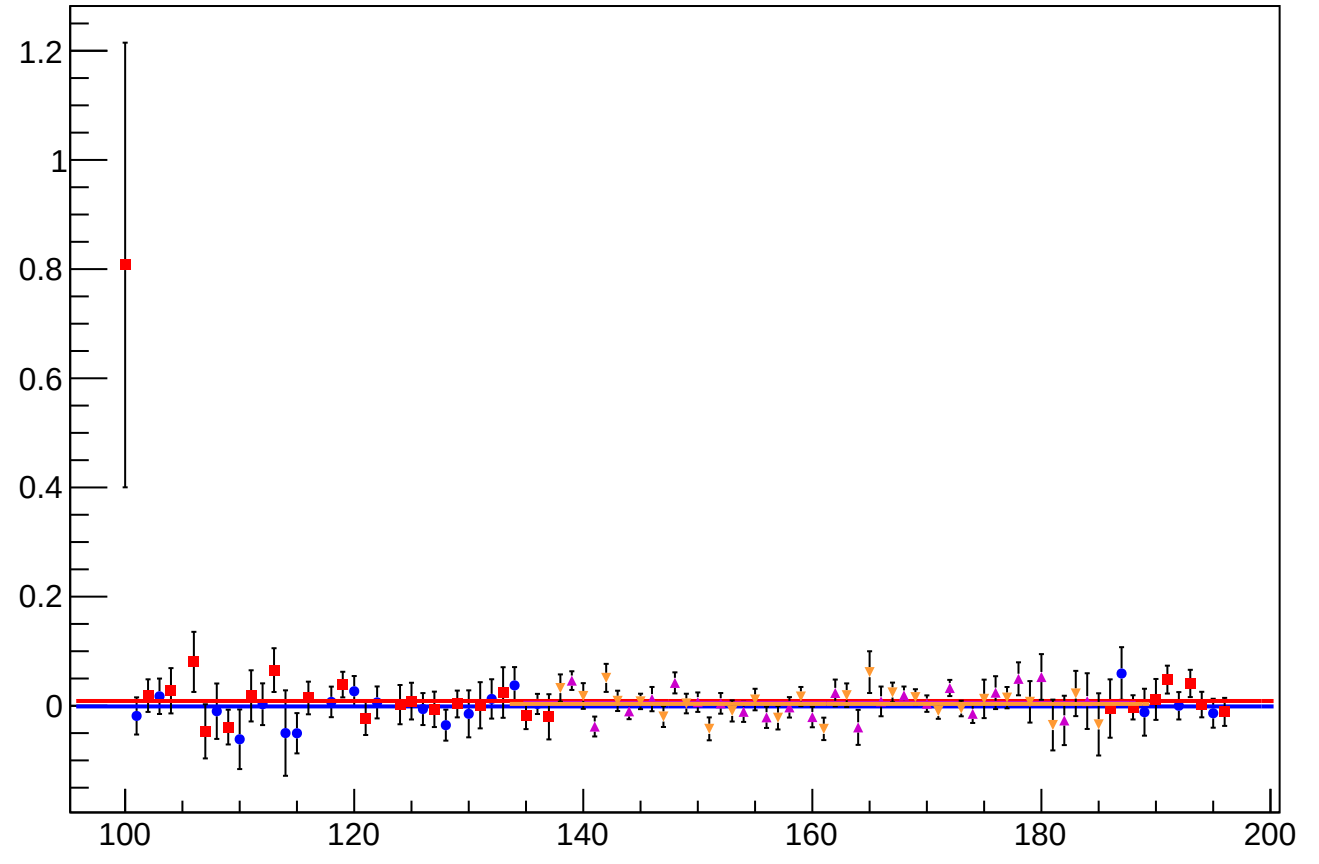
Right Out: 20.310+/-0.004 χ^2/NDF: 1187886.6/25

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265803.6/44

All: 18.003+/-0.002 χ^2/NDF: 7796790.9/93

- sign 17.989+/-0.002 χ^2/NDF: 3530917.9/48



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

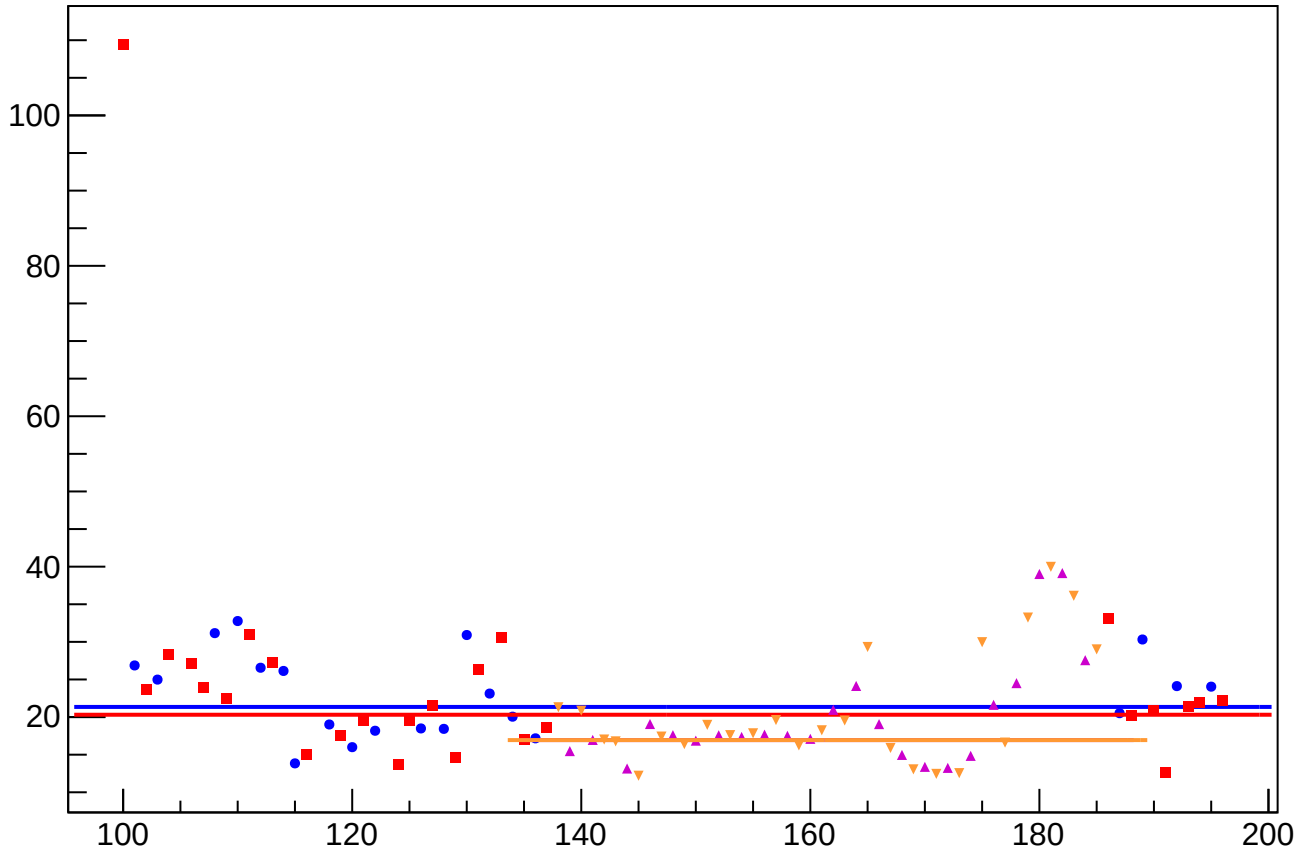
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.004+/-0.002 χ^2/NDF: 92.9/93

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48



Right In: 21.349+/-0.005 χ^2/NDF: 859787.0/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

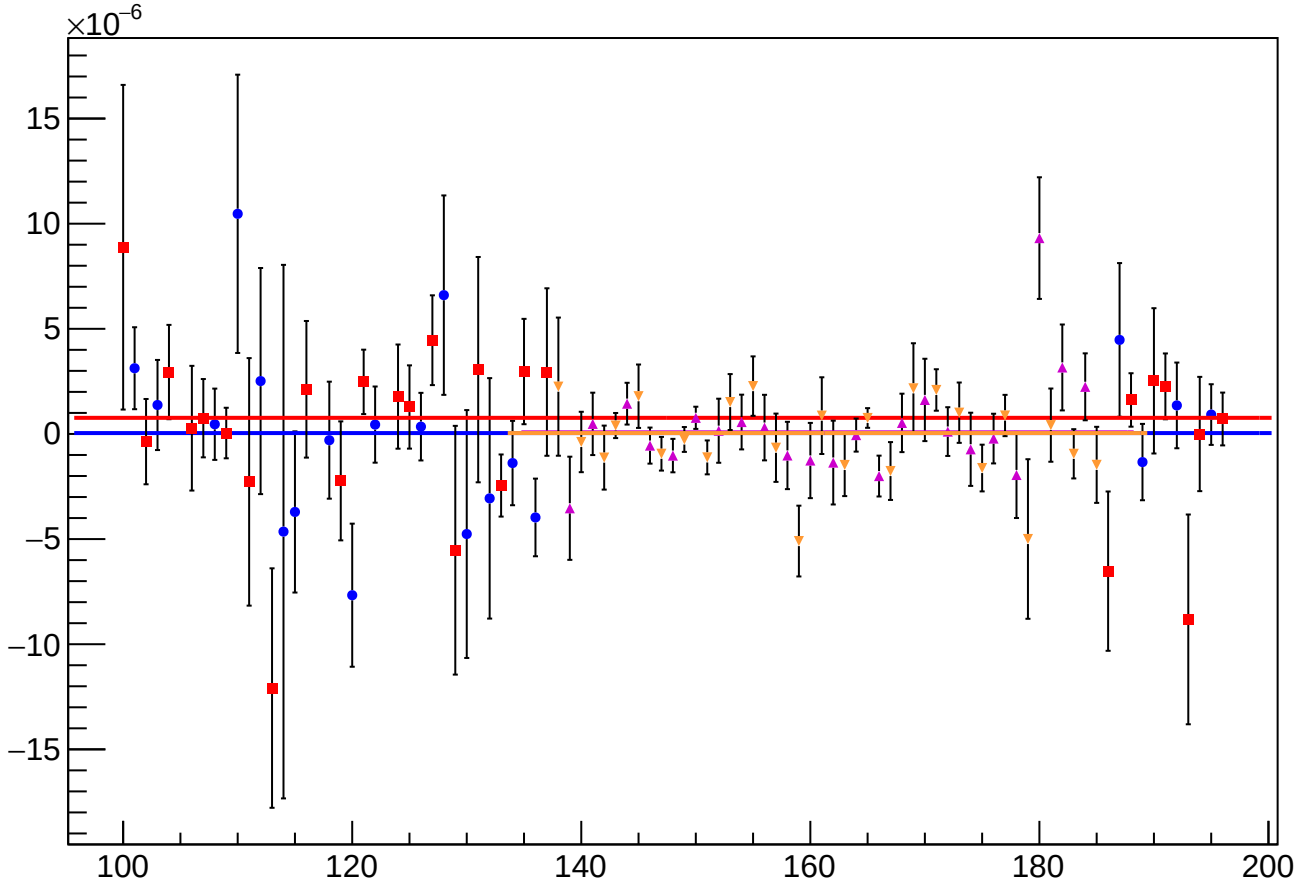
Right Out: 20.310+/-0.004 χ^2/NDF: 1187886.6/25

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265803.6/44

All: 18.003+/-0.002 χ^2/NDF: 7796790.9/93

- sign 17.989+/-0.002 χ^2/NDF: 3530917.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

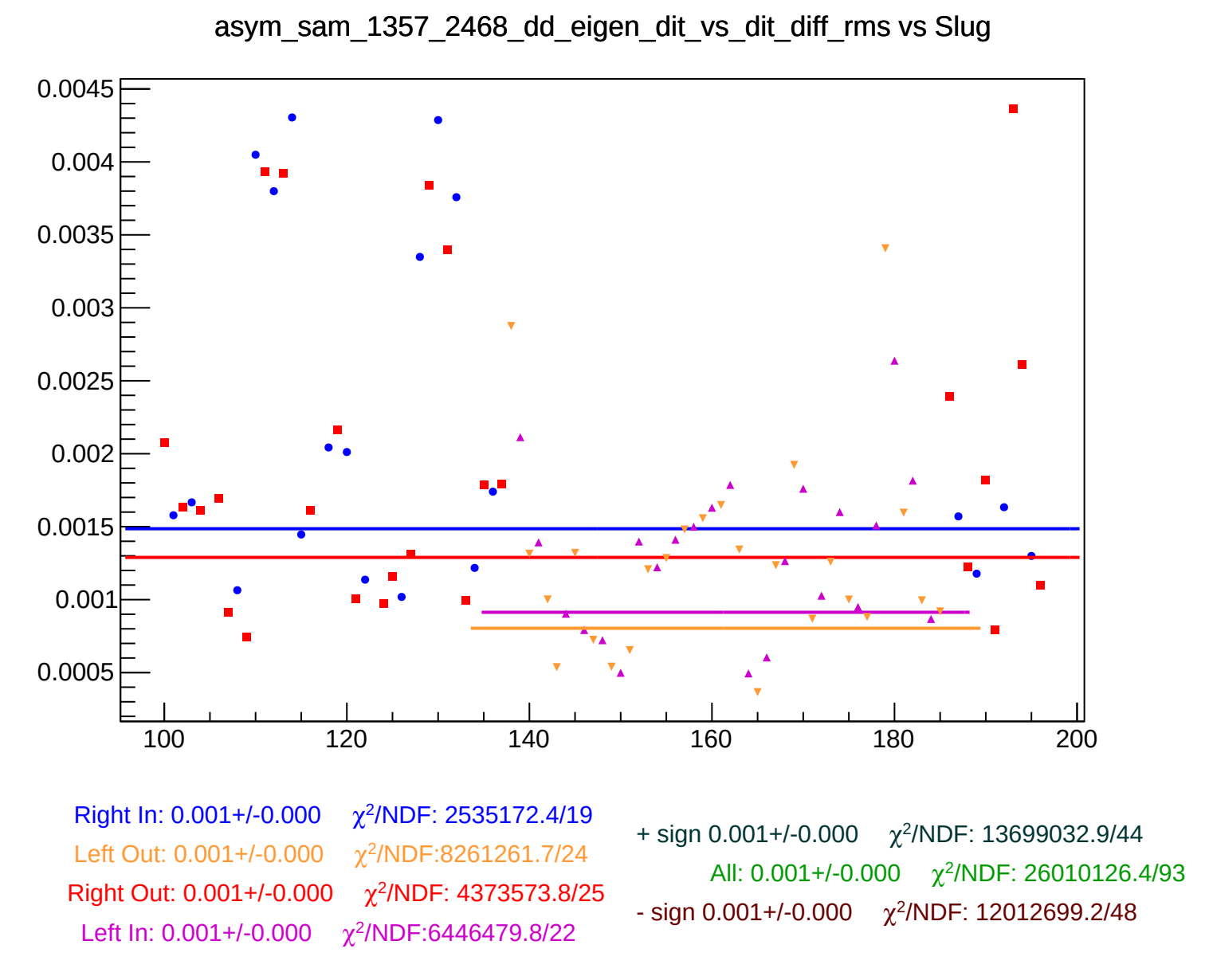
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/25

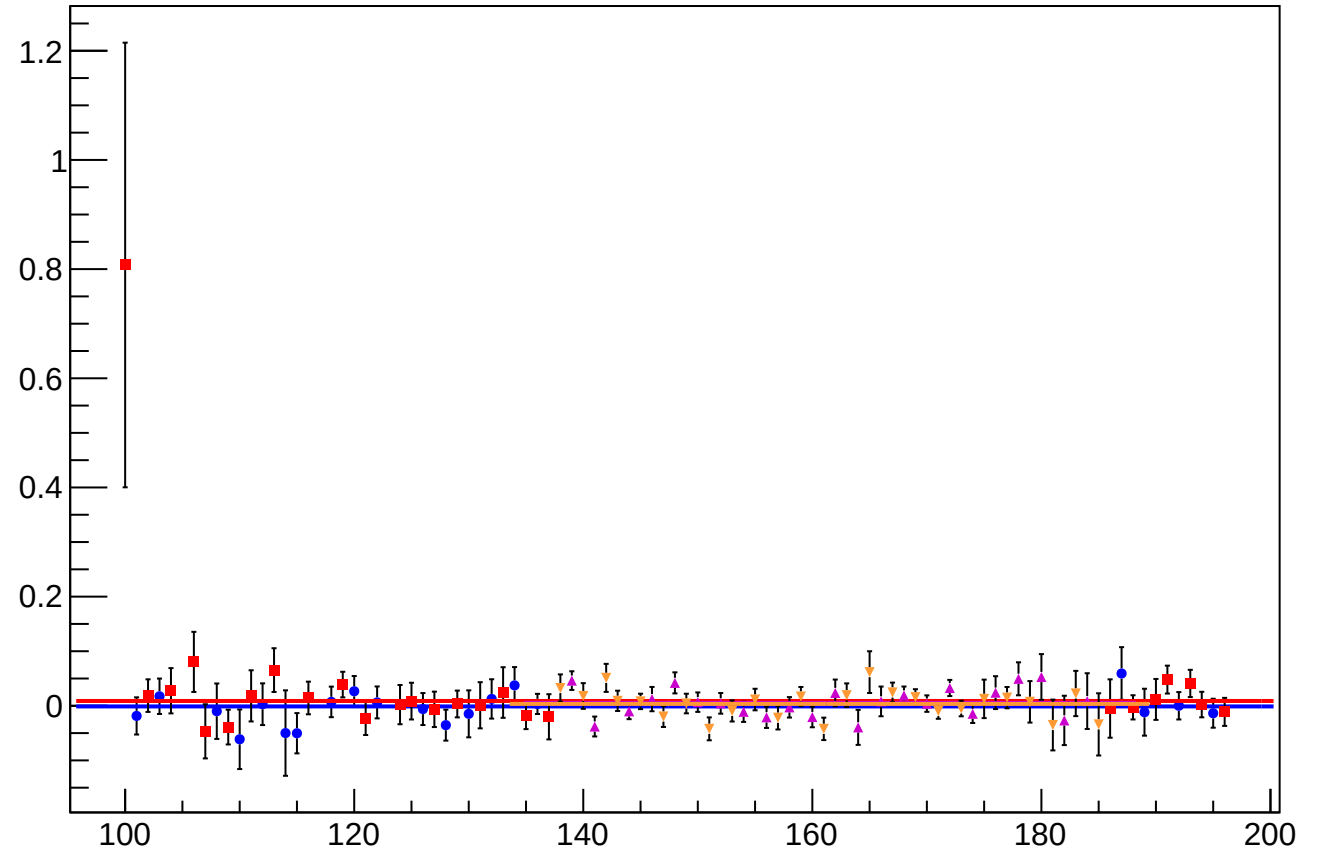
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.1/44

All: 0.000+/-0.000 χ^2/NDF: 123.7/93

- 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: 2535172.4/19
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: 13699032.9/44
All: 0.001+/-0.000 χ²/NDF: 26010126.4/93
- sign 0.001+/-0.000 χ²/NDF: 12012699.2/48



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

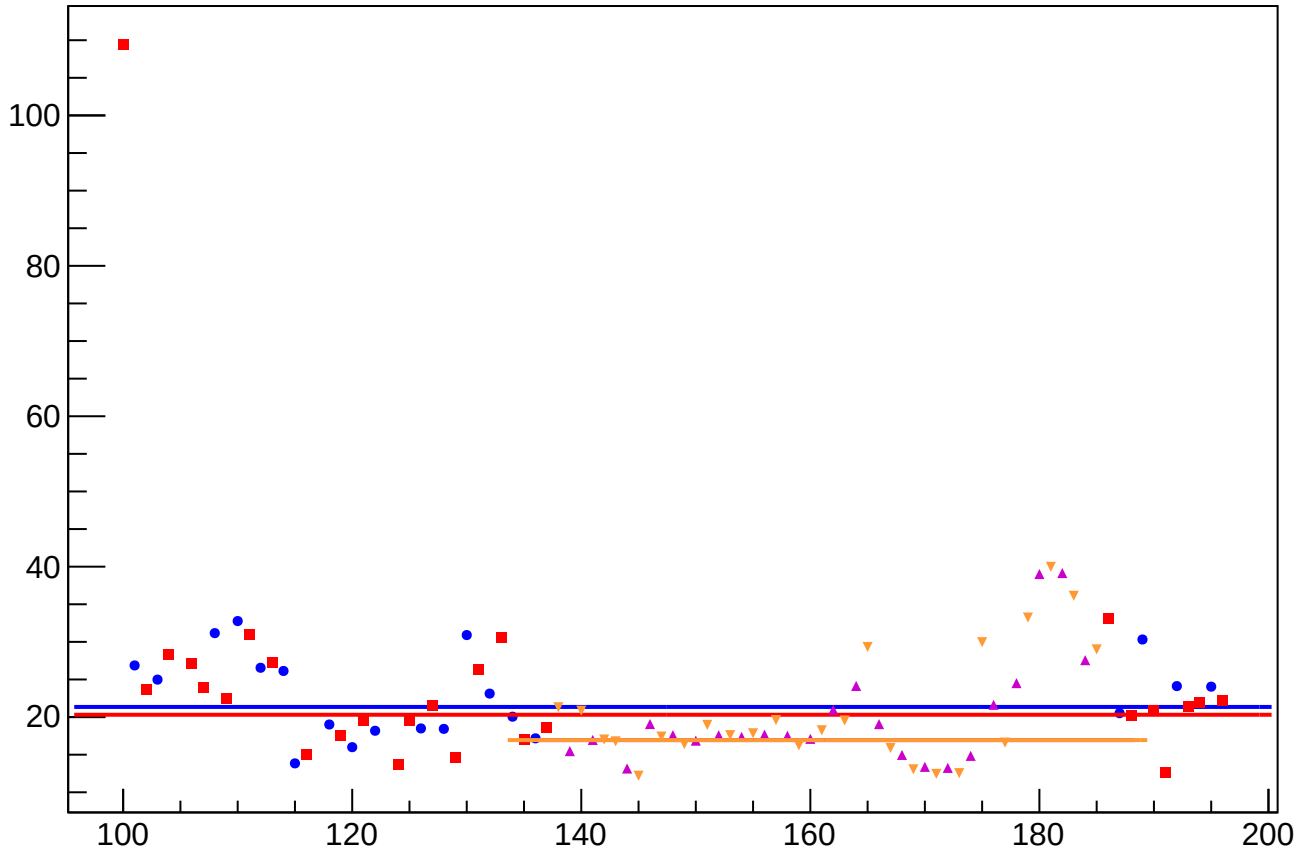
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.004+/-0.002 χ^2/NDF: 92.9/93

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48



Right In: 21.349+/-0.005 χ^2/NDF: 859711.8/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.310+/-0.004 χ^2/NDF: 1187888.4/25

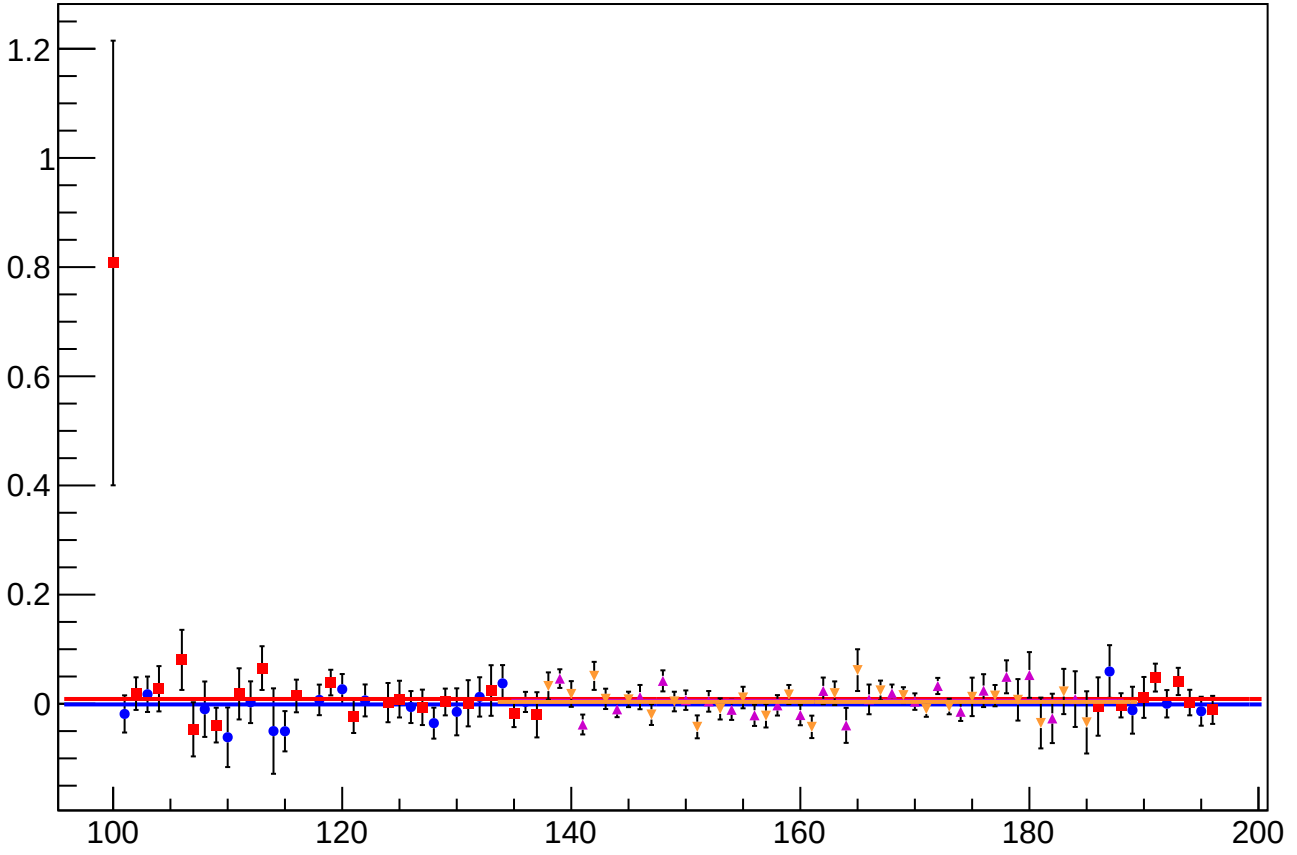
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265570.5/44

All: 18.003+/-0.002 χ^2/NDF: 7796430.8/93

- sign 17.989+/-0.002 χ^2/NDF: 3530790.5/48

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

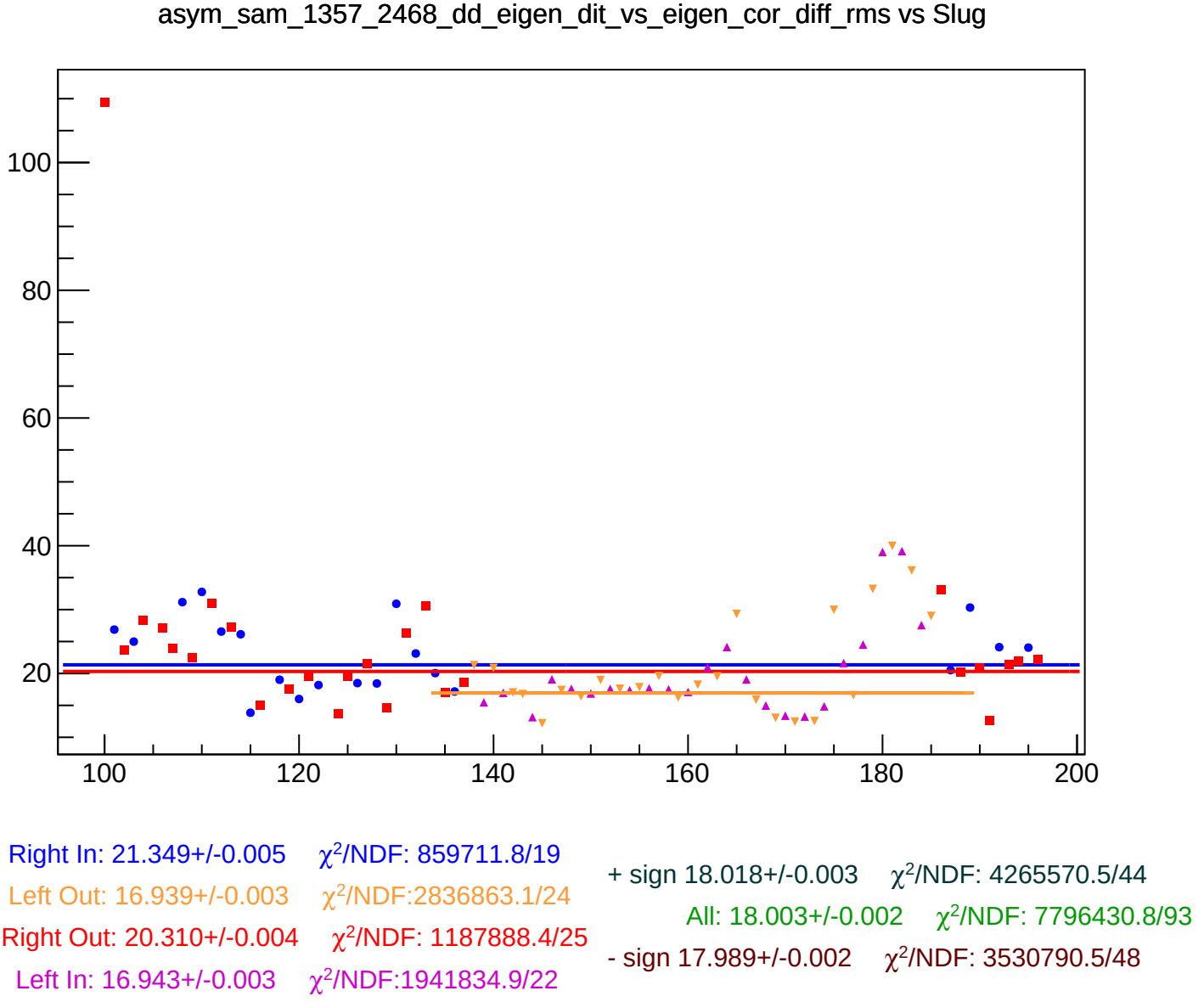
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

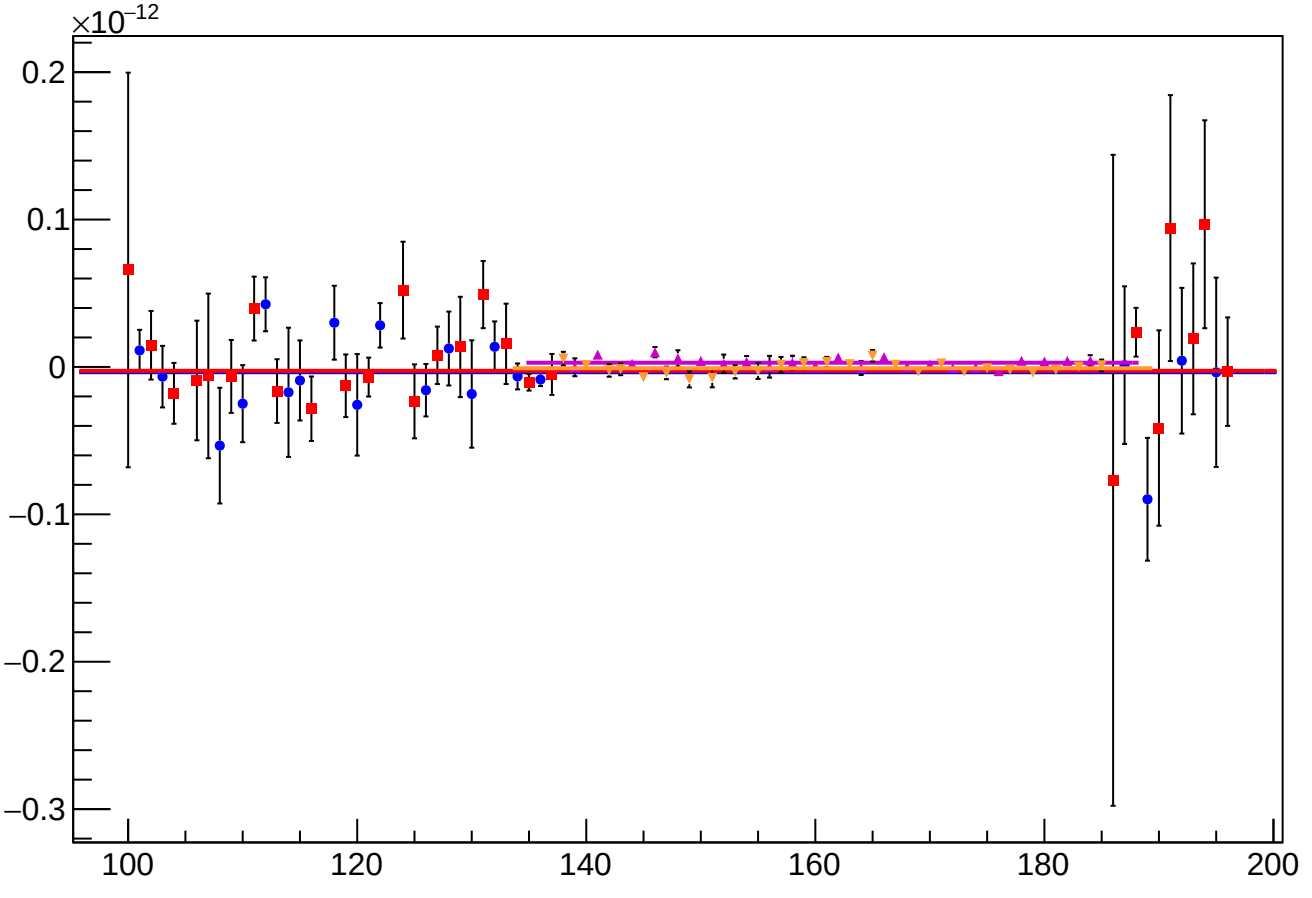
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.004+/-0.002 χ^2/NDF: 92.9/93

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
120
140
160
180
200
Right In: 21.349+/-0.005 χ²/NDF: 859711.8/19
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.310+/-0.004 χ²/NDF: 1187888.4/25
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 18.018+/-0.003 χ²/NDF: 4265570.5/44
All: 18.003+/-0.002 χ²/NDF: 7796430.8/93
- sign 17.989+/-0.002 χ²/NDF: 3530790.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

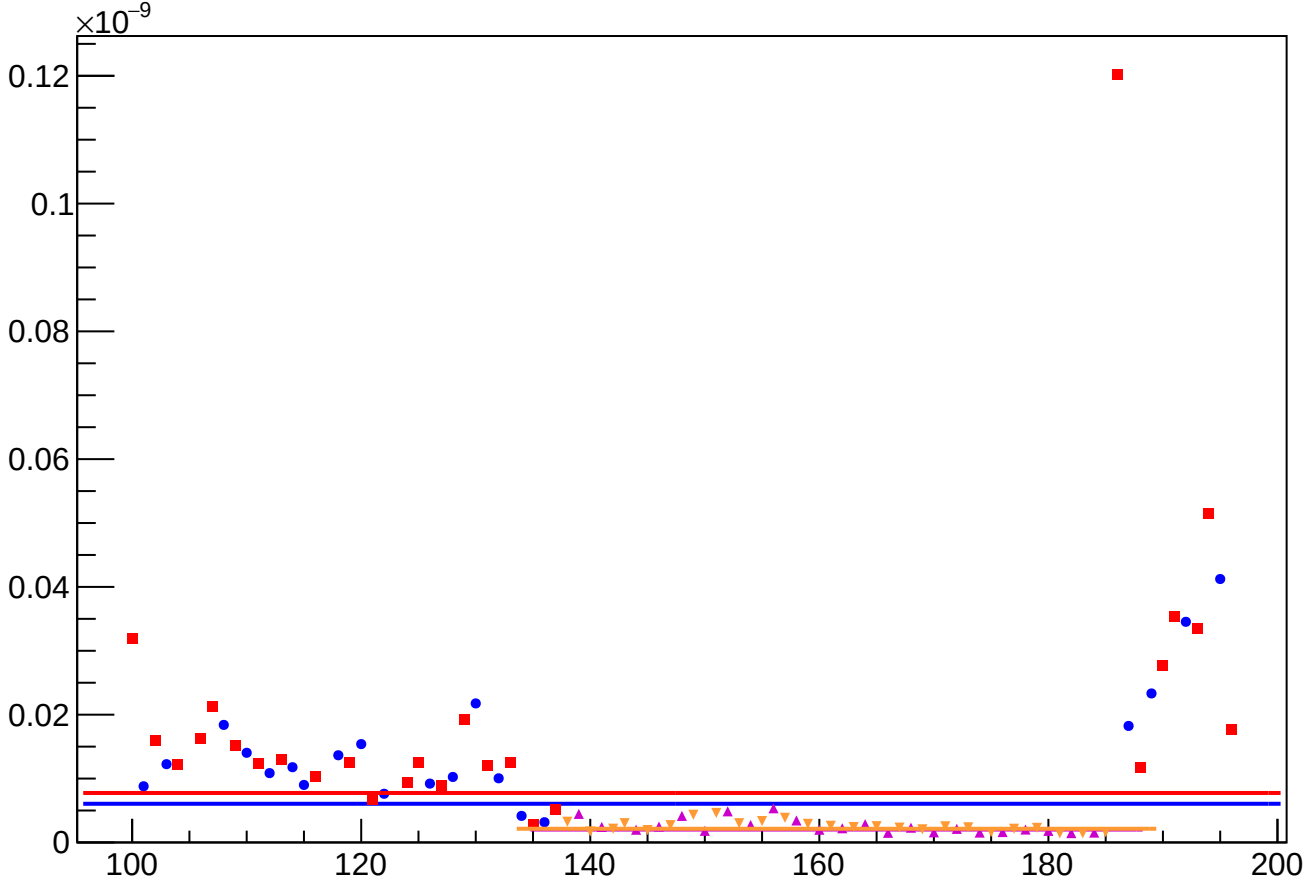
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/44

All: 0.000+/-0.000 χ^2/NDF: 116.3/93

- sign 0.000+/-0.000 χ^2/NDF: 50.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4442857.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5608666.7/25

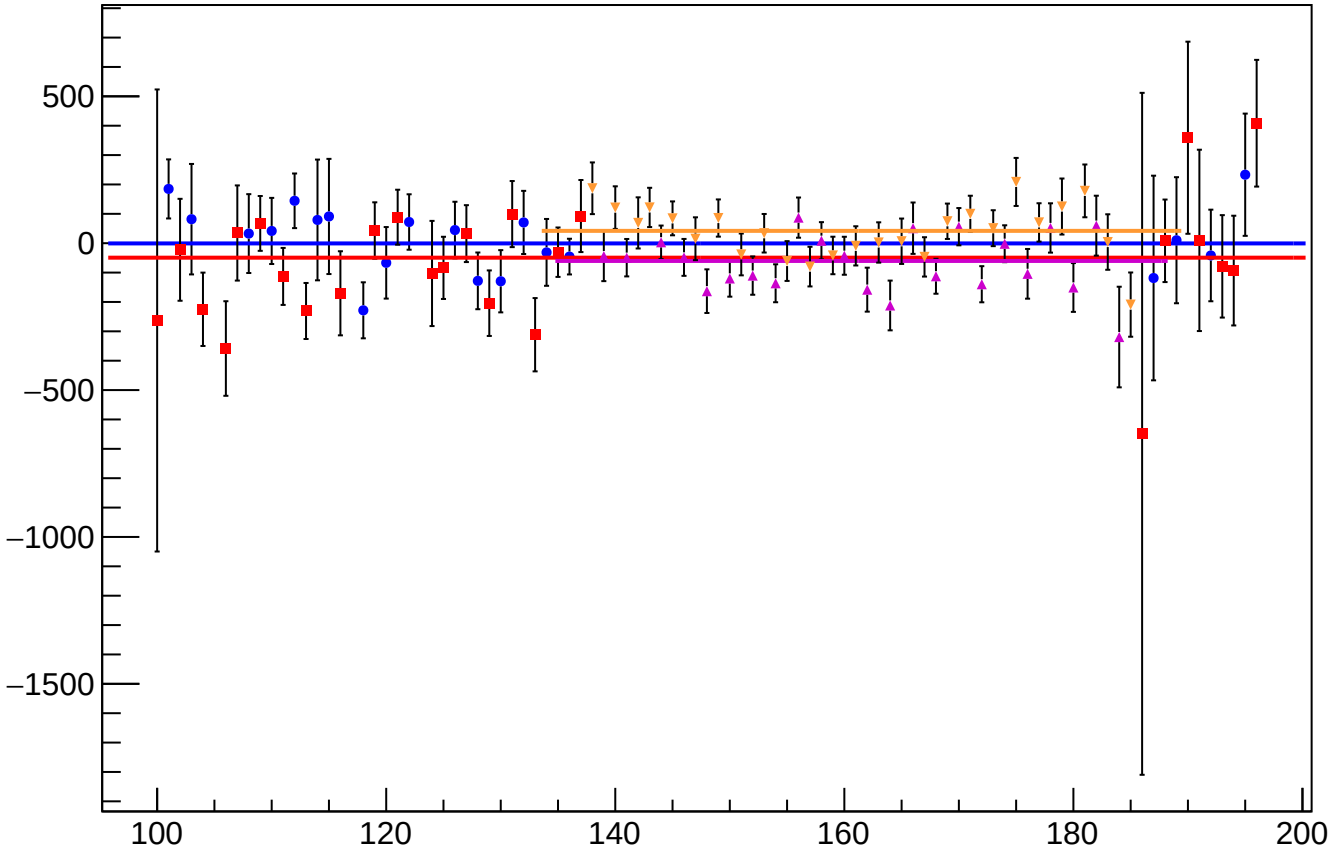
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9446744.9/44

All: 0.000+/-0.000 χ^2/NDF: 22065888.6/93

- sign 0.000+/-0.000 χ^2/NDF: 12588699.4/48

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -0.718+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.252+/-25.070 χ^2/NDF: 32.5/25

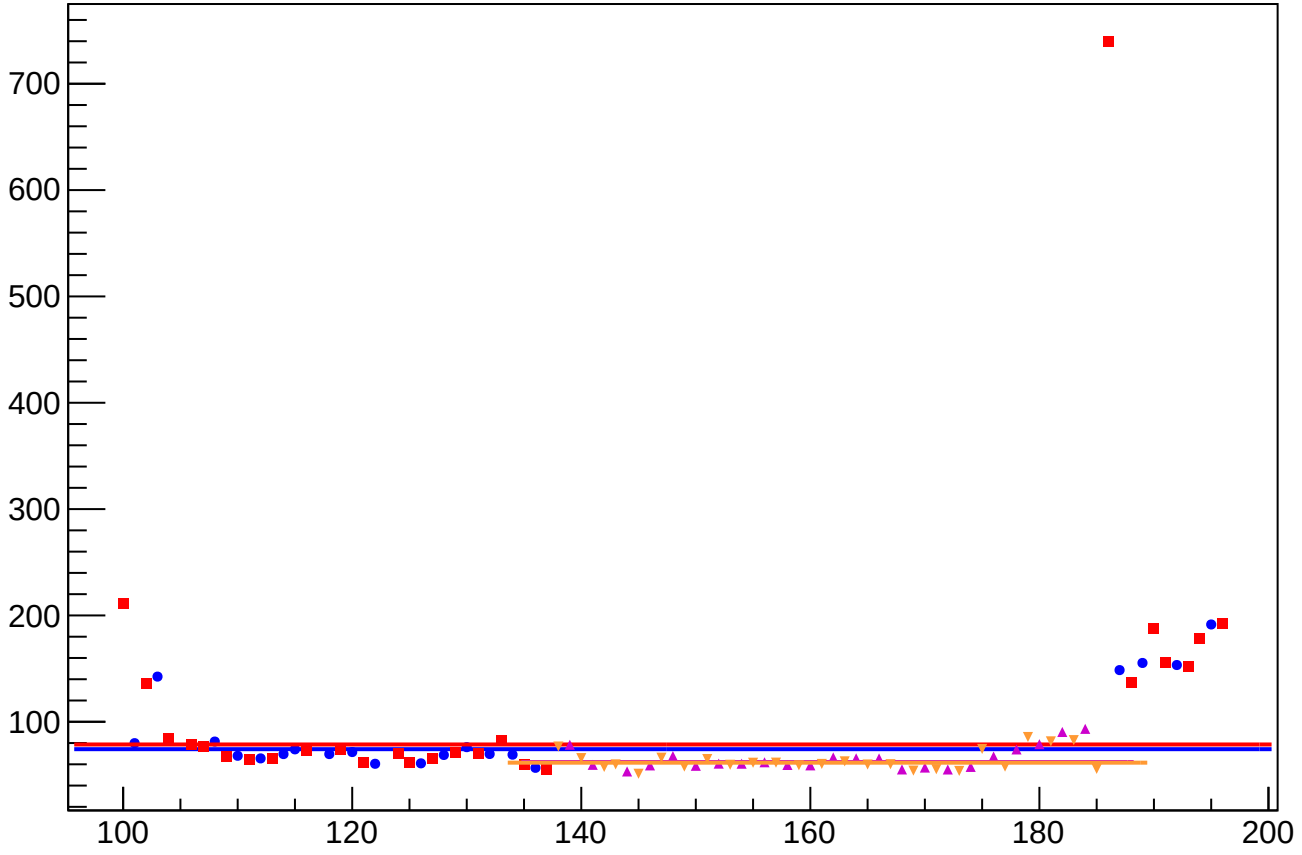
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.860+/-12.382 χ^2/NDF: 53.3/44

All: -11.738+/-8.862 χ^2/NDF: 143.6/93

- sign -57.526+/-12.690 χ^2/NDF: 64.8/48

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 74.228+/-0.018 χ^2/NDF: 2094885.2/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

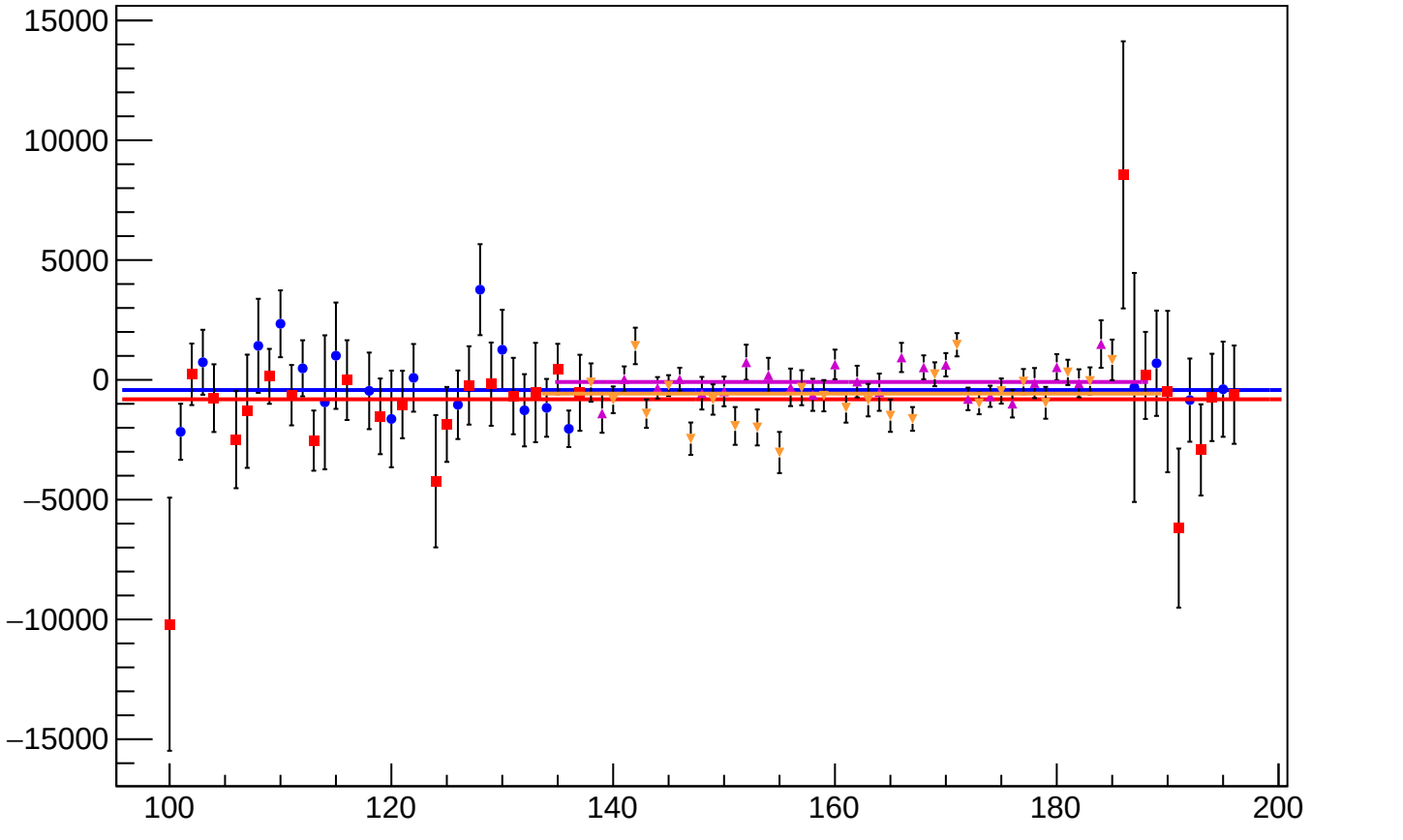
Right Out: 78.653+/-0.018 χ^2/NDF: 3570519.4/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112870.2/44

All: 65.444+/-0.006 χ^2/NDF: 7946161.6/93

- sign 66.374+/-0.009 χ^2/NDF: 4812302.0/48



Right In: -424.665+/-332.383 χ^2/NDF: 20.9/19

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -811.346+/-327.010 χ^2/NDF: 18.3/25

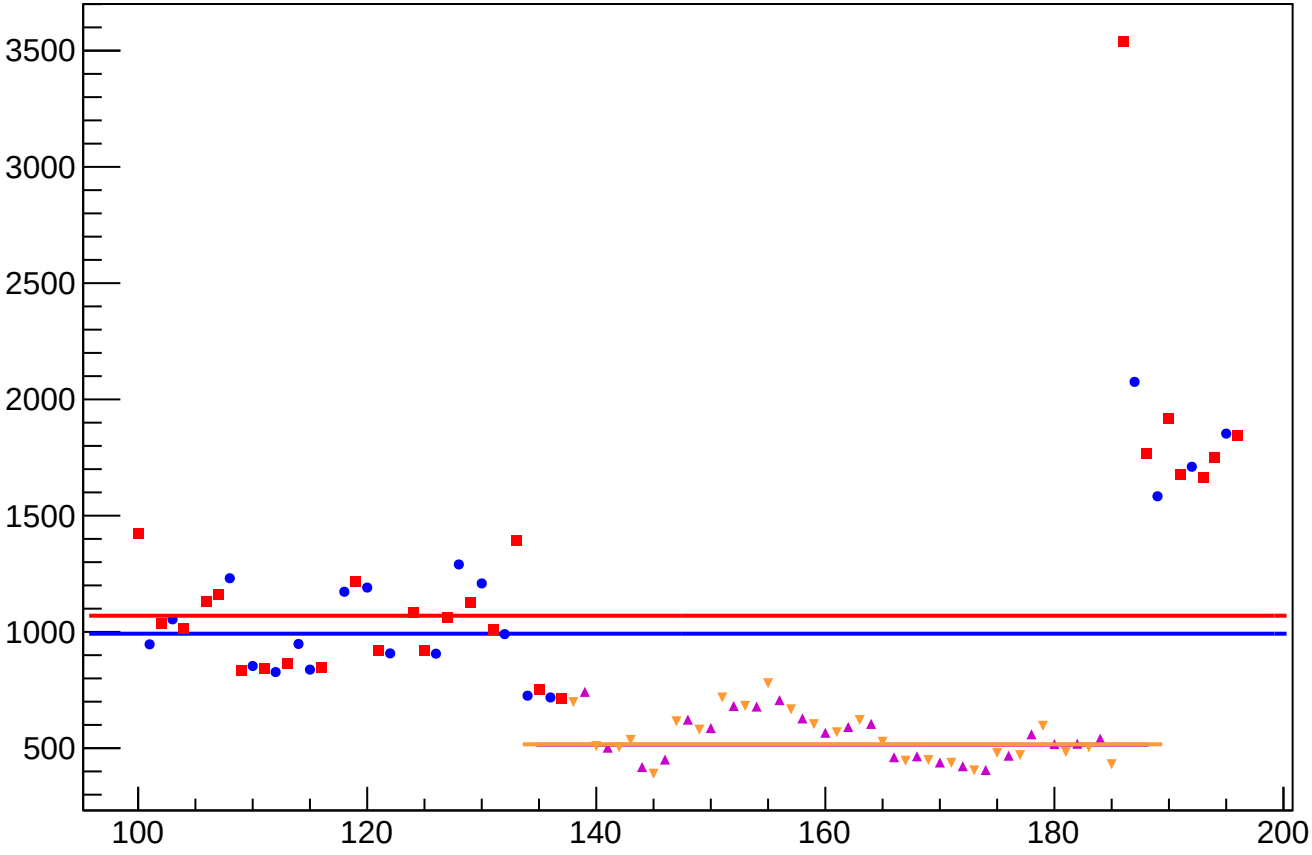
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -557.571+/-112.650 χ^2/NDF: 89.8/44

All: -370.878+/-80.374 χ^2/NDF: 142.6/93

- sign -177.299+/-114.709 χ^2/NDF: 47.2/48

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 992.346+/-0.235 χ^2/NDF: 1568820.1/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1069.722+/-0.231 χ^2/NDF: 2294599.9/25

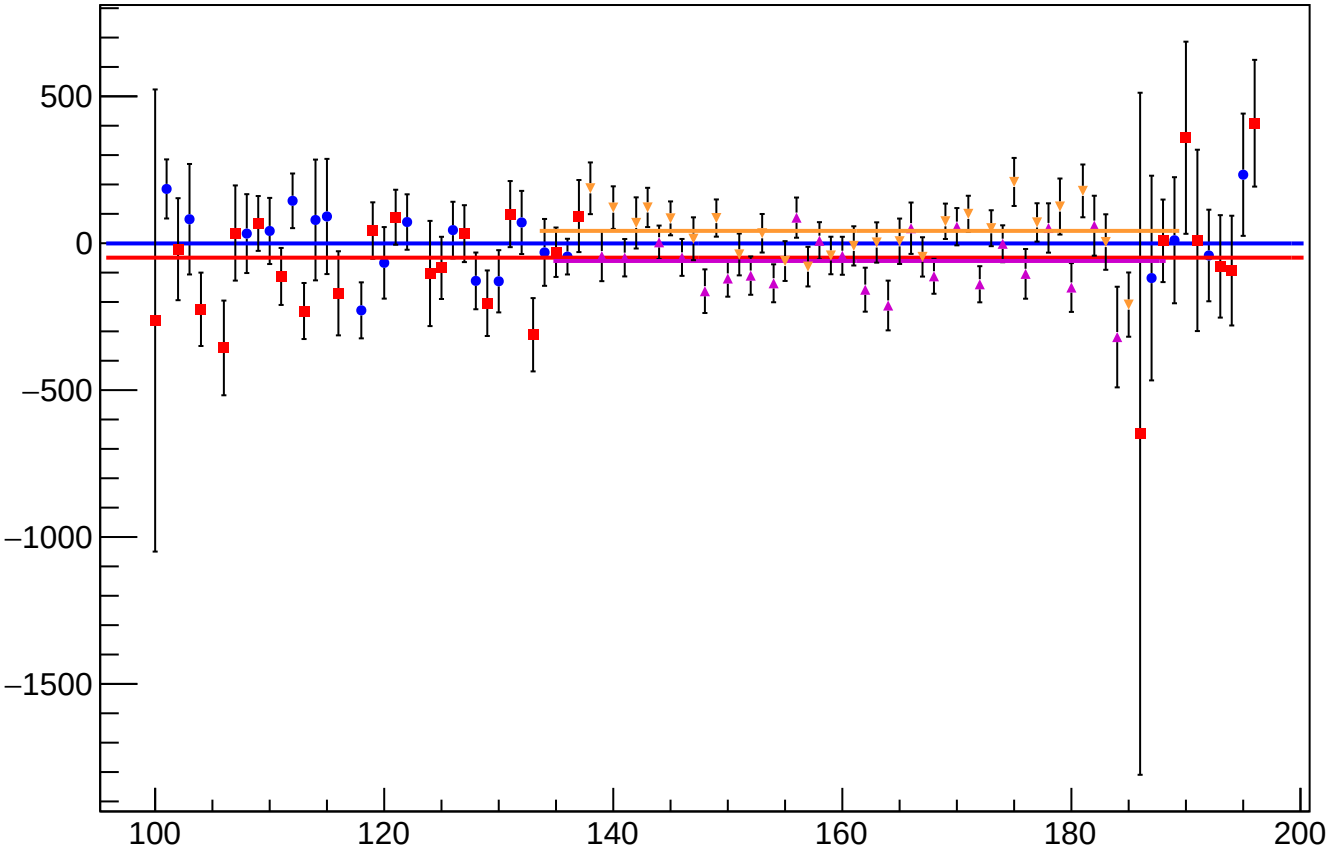
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 571.277+/-0.080 χ^2/NDF: 6460145.6/44

All: 577.065+/-0.057 χ^2/NDF: 14936955.3/93

- sign 583.065+/-0.081 χ^2/NDF: 8466058.1/48

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -0.725+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.139+/-25.071 χ^2/NDF: 32.4/25

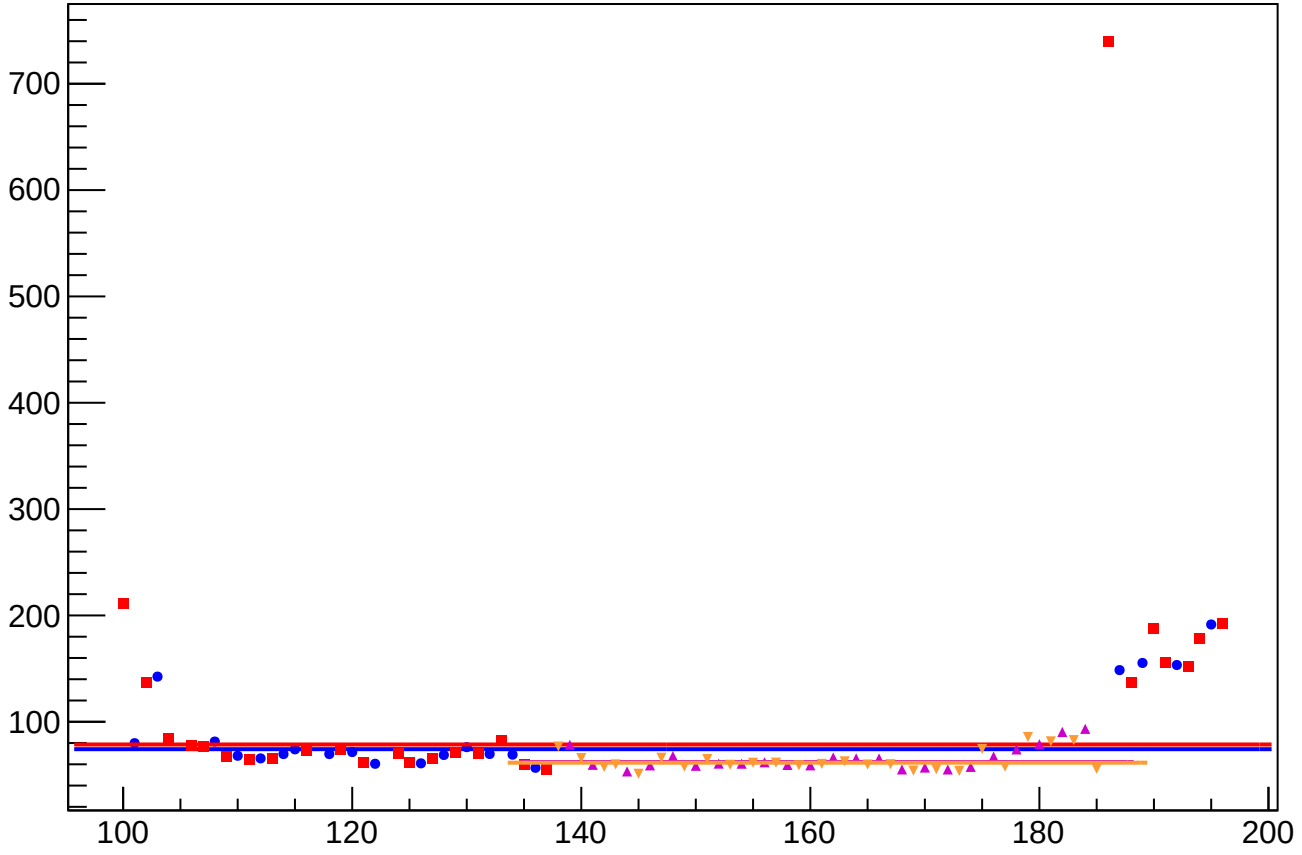
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.862+/-12.382 χ^2/NDF: 53.3/44

All: -11.722+/-8.862 χ^2/NDF: 143.5/93

- sign -57.497+/-12.690 χ^2/NDF: 64.8/48

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 74.228+/-0.018 χ^2/NDF: 2094888.3/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

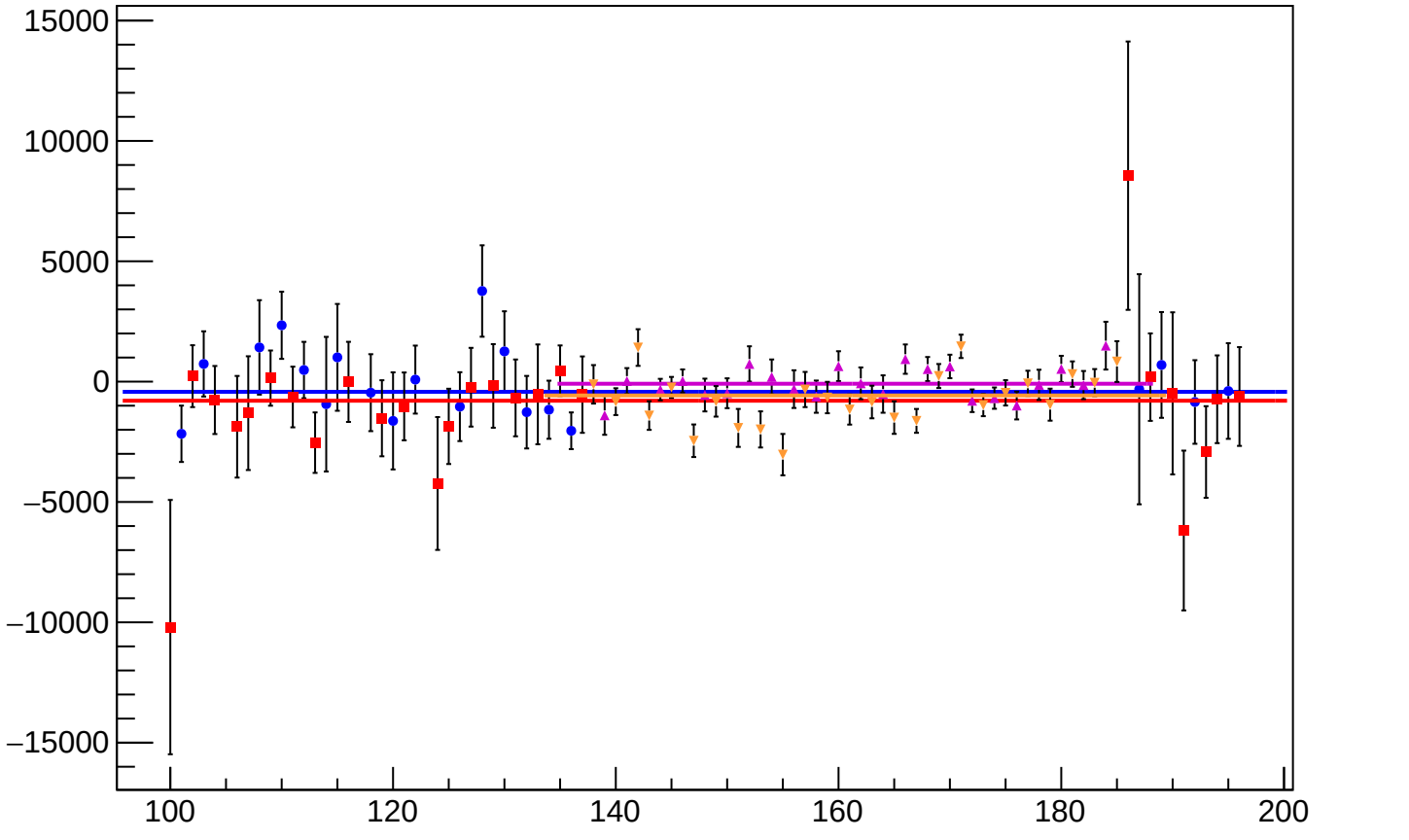
Right Out: 78.636+/-0.018 χ^2/NDF: 3570885.2/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112873.2/44

All: 65.441+/-0.006 χ^2/NDF: 7945084.5/93

- sign 66.369+/-0.009 χ^2/NDF: 4811326.3/48



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -793.474+/-327.356 χ^2/NDF: 17.9/25

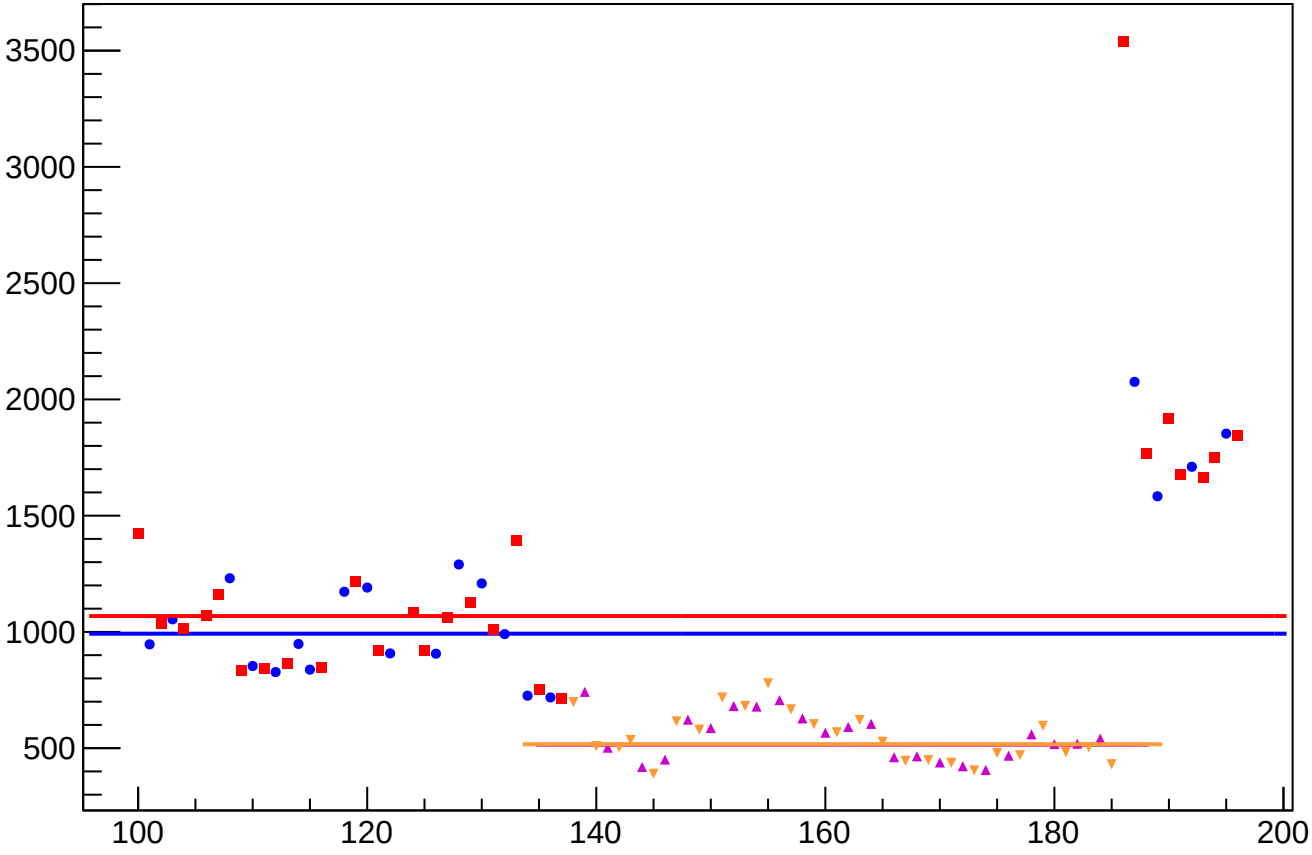
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -557.562+/-112.650 χ^2/NDF: 89.8/44

All: -369.740+/-80.379 χ^2/NDF: 142.1/93

- sign -174.938+/-114.724 χ^2/NDF: 46.6/48

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 992.350+/-0.235 χ^2/NDF: 1568833.2/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1068.142+/-0.231 χ^2/NDF: 2292595.7/25

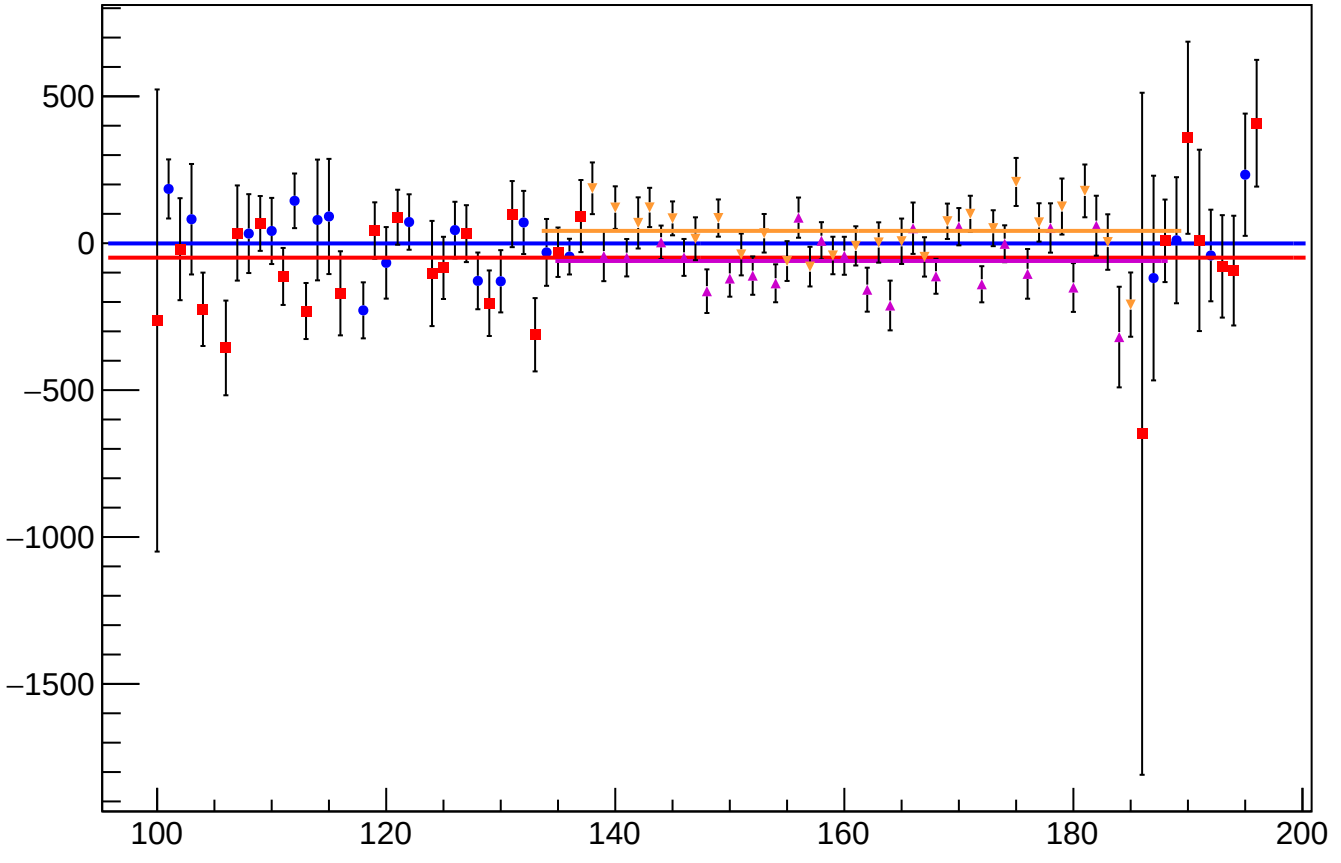
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 571.277+/-0.080 χ^2/NDF: 6460196.2/44

All: 576.906+/-0.057 χ^2/NDF: 14896378.5/93

- sign 582.745+/-0.081 χ^2/NDF: 8426008.6/48

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -0.725+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.139+/-25.071 χ^2/NDF: 32.4/25

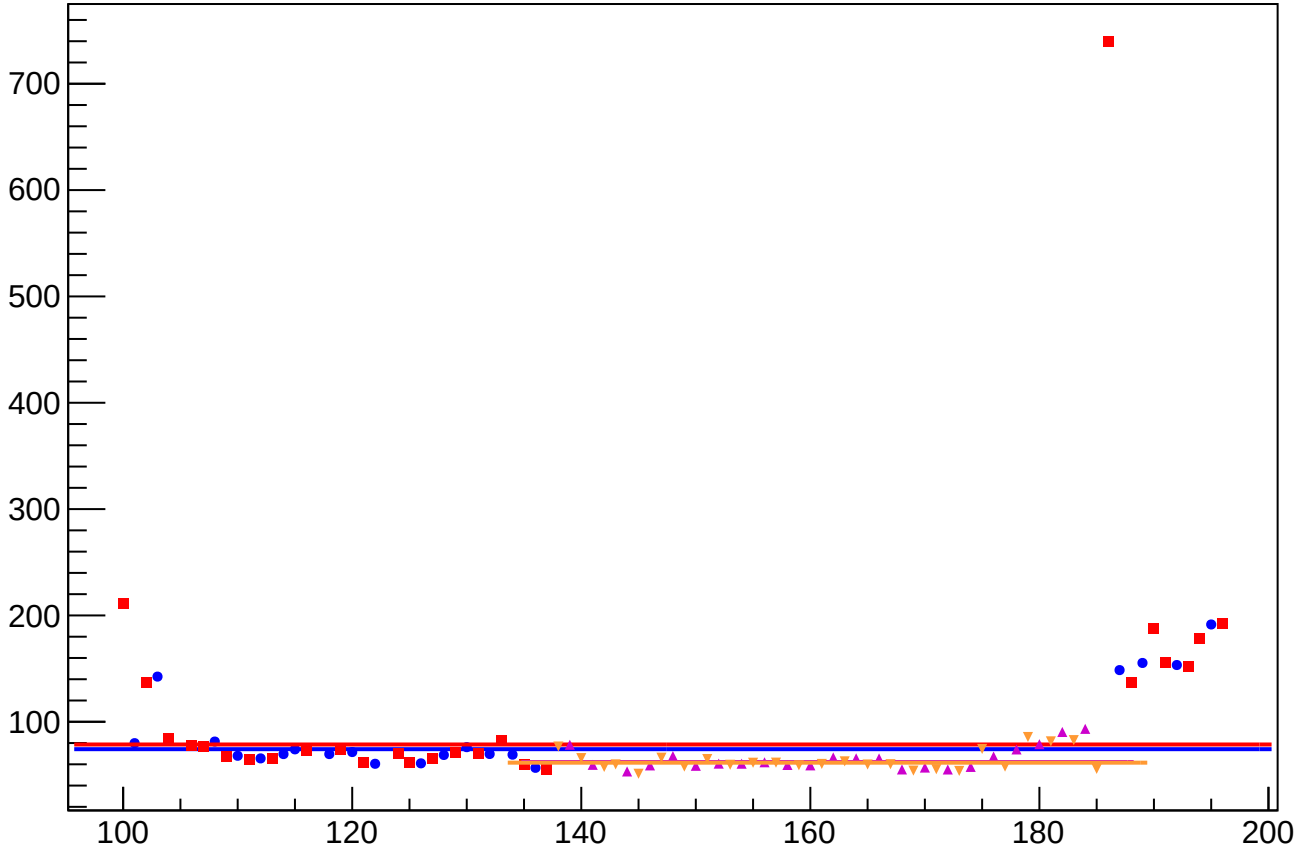
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.862+/-12.382 χ^2/NDF: 53.3/44

All: -11.722+/-8.862 χ^2/NDF: 143.5/93

- sign -57.497+/-12.690 χ^2/NDF: 64.8/48

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 74.228+/-0.018 χ^2/NDF: 2094888.3/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

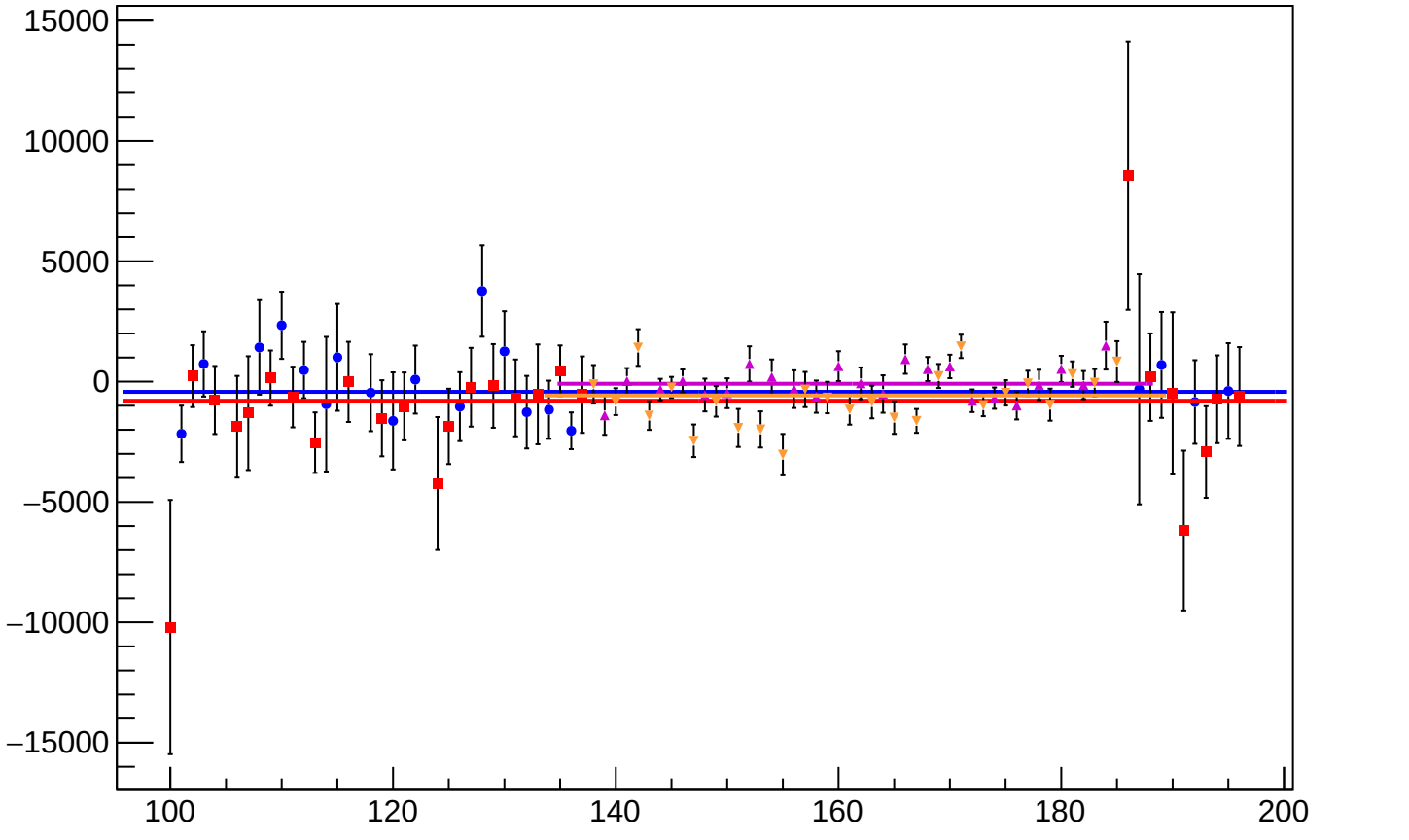
Right Out: 78.636+/-0.018 χ^2/NDF: 3570885.2/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112873.2/44

All: 65.441+/-0.006 χ^2/NDF: 7945084.5/93

- sign 66.369+/-0.009 χ^2/NDF: 4811326.3/48



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

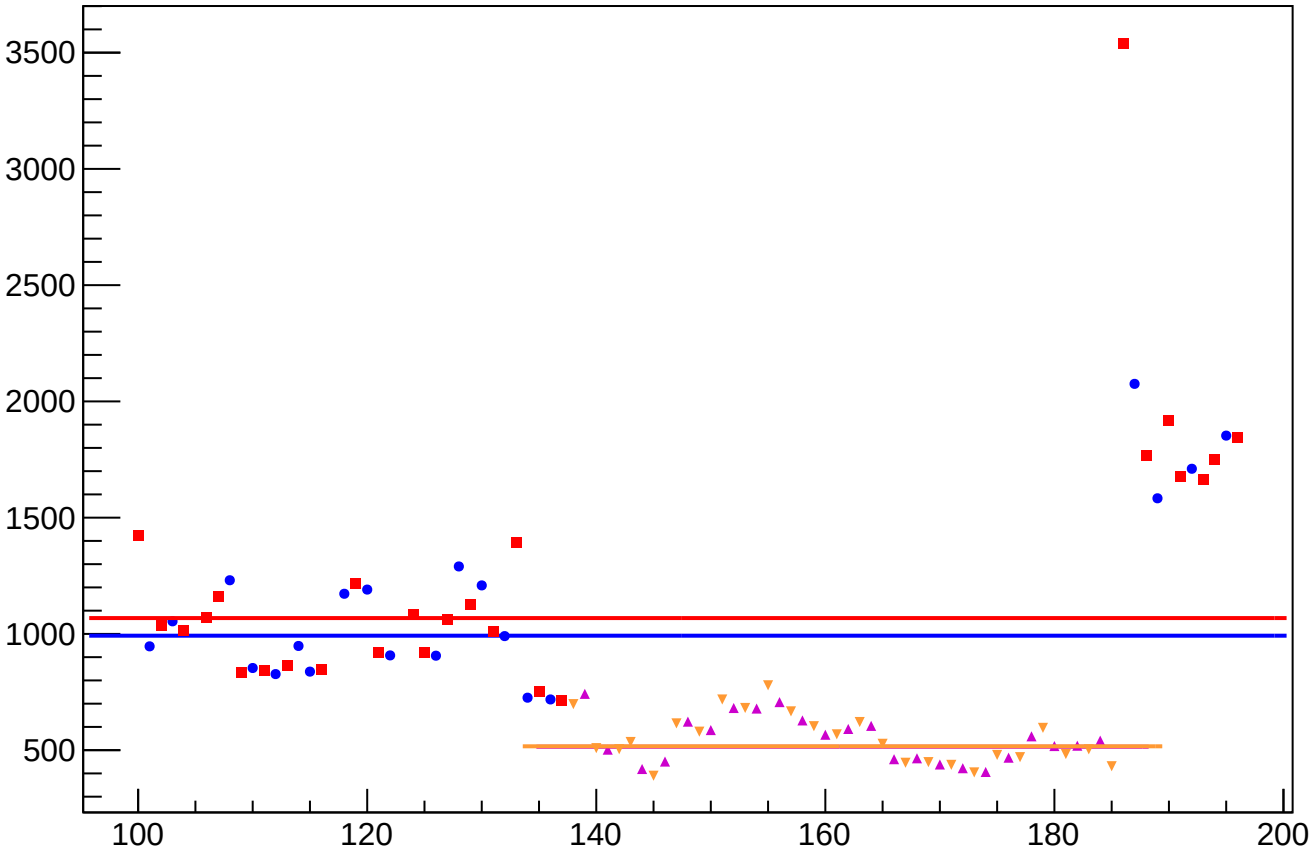
Right Out: -793.474+/-327.356 χ^2/NDF: 17.9/25

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -557.562+/-112.650 χ^2/NDF: 89.8/44

All: -369.740+/-80.379 χ^2/NDF: 142.1/93

- sign -174.938+/-114.724 χ^2/NDF: 46.6/48



Right In: 992.350+/-0.235 χ^2/NDF: 1568833.2/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1068.142+/-0.231 χ^2/NDF: 2292595.7/25

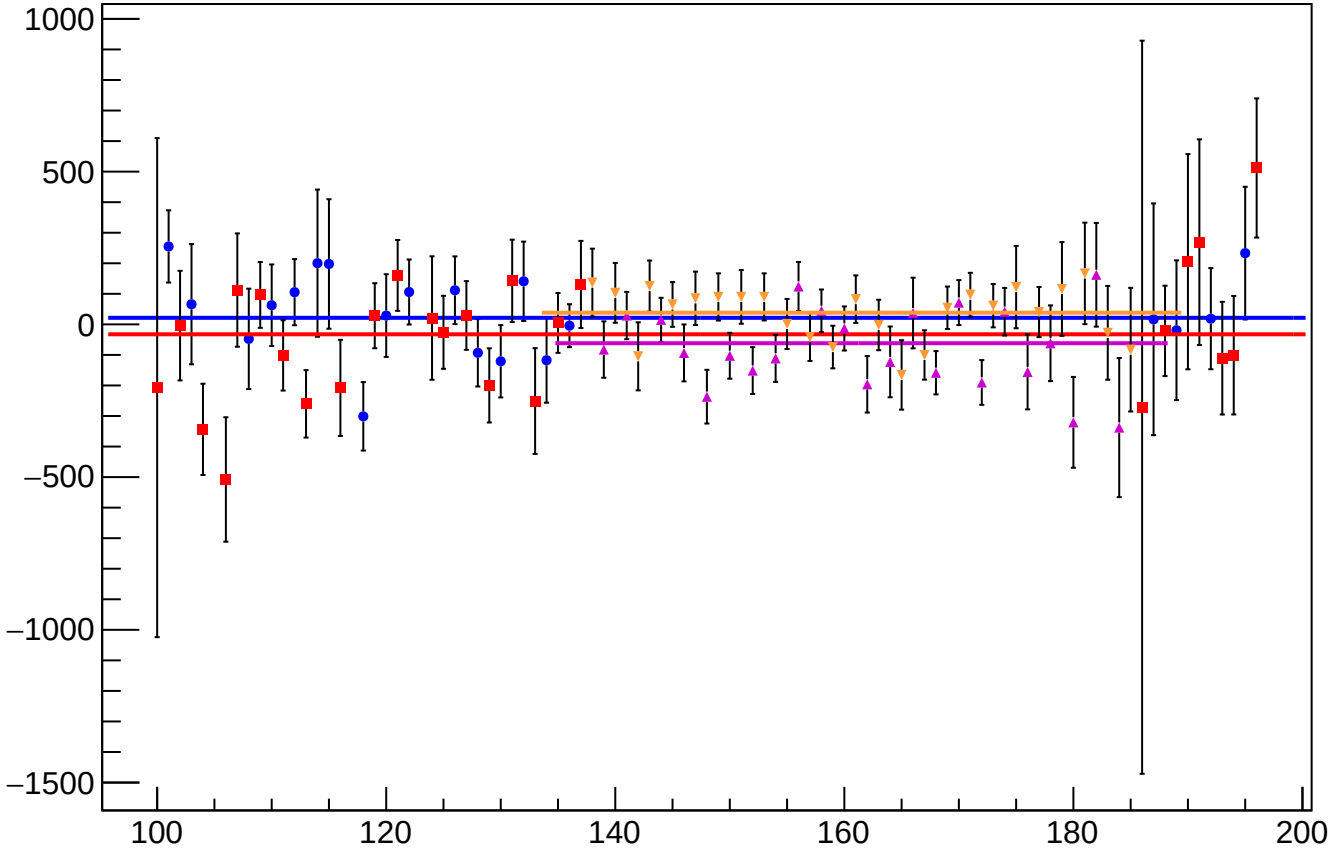
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 571.277+/-0.080 χ^2/NDF: 6460196.2/44

All: 576.906+/-0.057 χ^2/NDF: 14896378.5/93

- sign 582.745+/-0.081 χ^2/NDF: 8426008.6/48

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 21.465+/-29.240 χ^2/NDF: 21.1/19

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -32.497+/-28.879 χ^2/NDF: 35.2/25

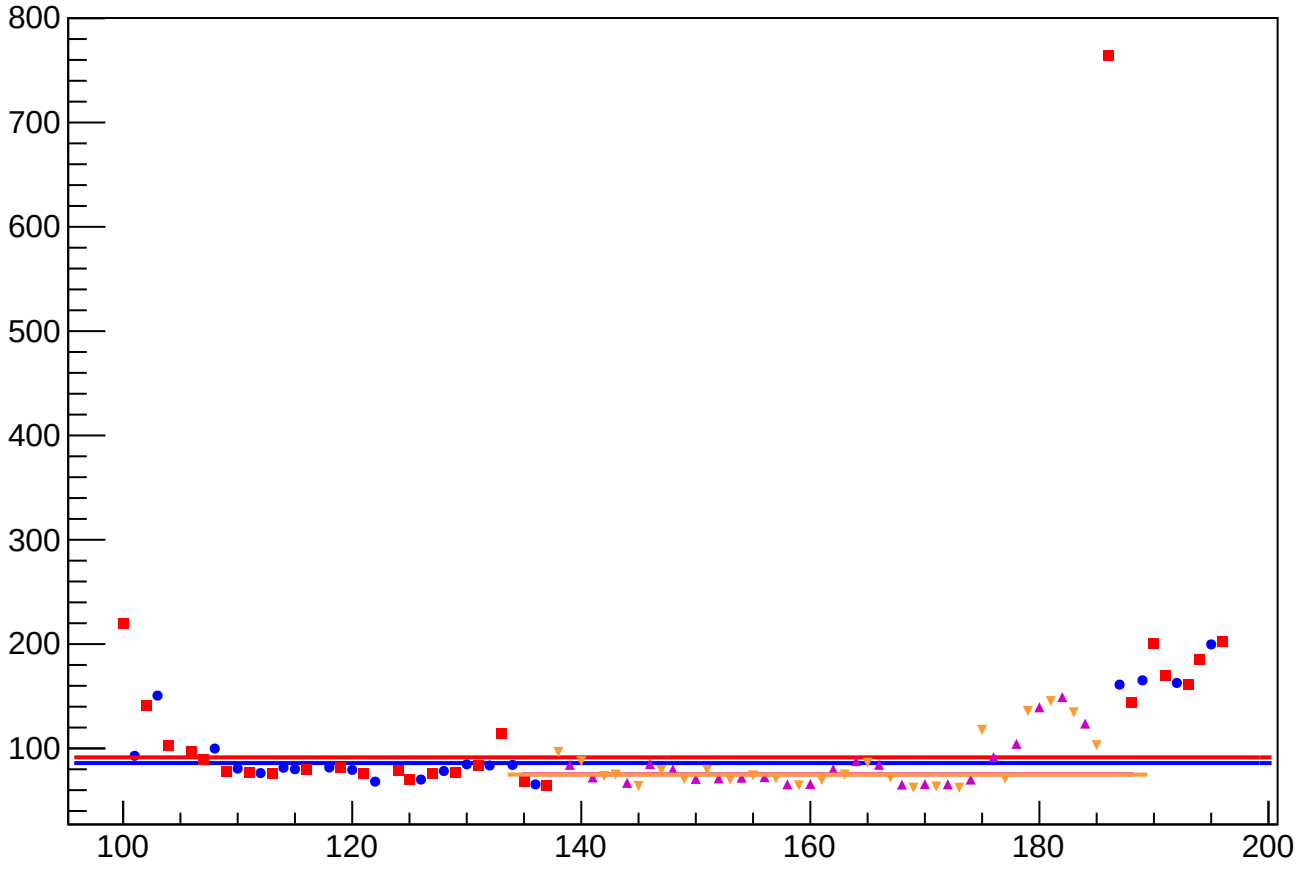
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.783+/-15.123 χ^2/NDF: 40.2/44

All: -9.049+/-10.787 χ^2/NDF: 129.1/93

- sign -53.421+/-15.392 χ^2/NDF: 72.6/48

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 85.940+/-0.021 χ^2/NDF: 1839712.7/19

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

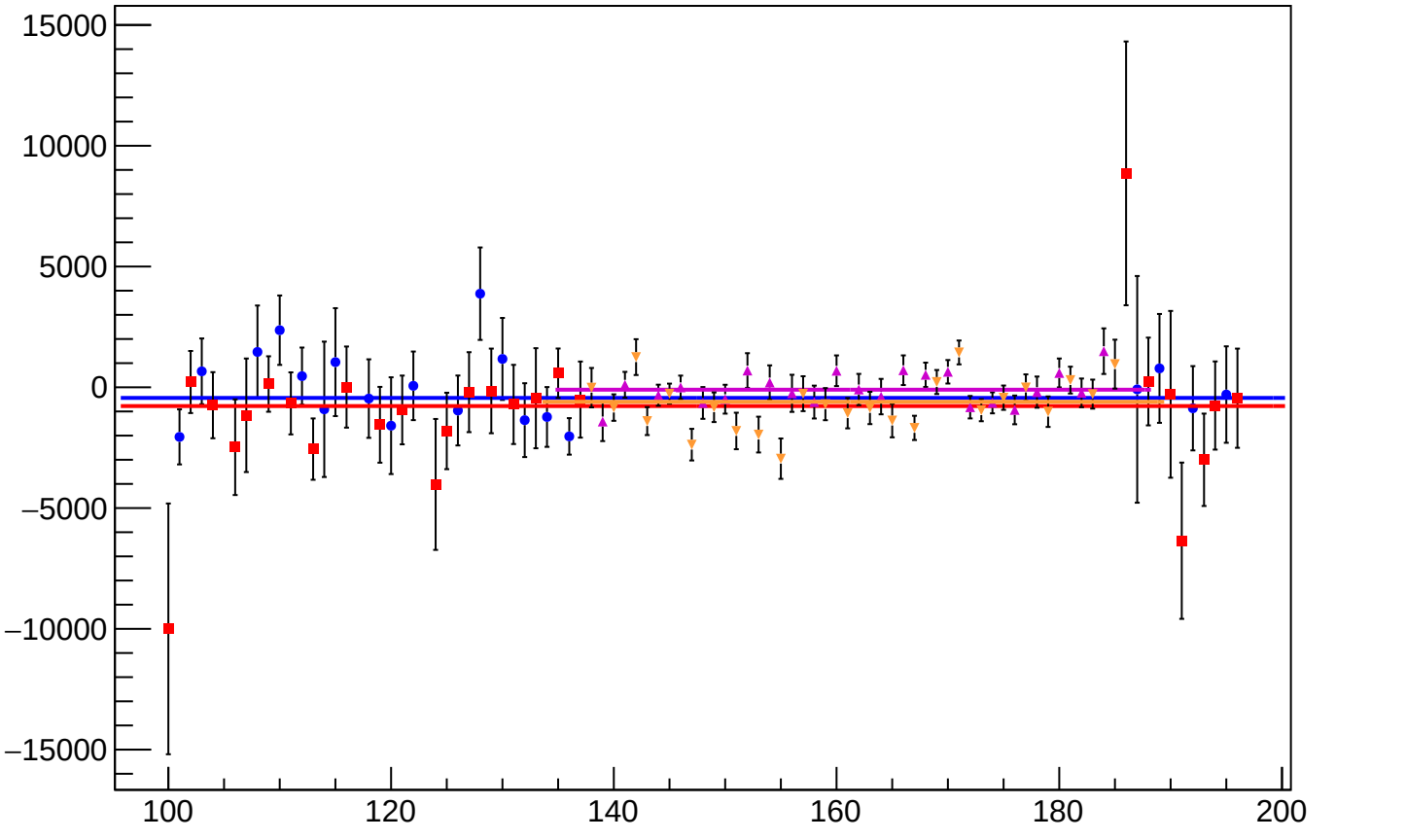
Right Out: 91.438+/-0.020 χ^2/NDF: 3154750.7/25

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 77.855+/-0.011 χ^2/NDF: 3710004.9/44

All: 78.801+/-0.008 χ^2/NDF: 8648395.8/93

- sign 79.781+/-0.011 χ^2/NDF: 4922457.7/48



Right In: -439.599+/-333.678 χ^2/NDF: 20.6/19

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -776.664+/-326.661 χ^2/NDF: 19.3/25

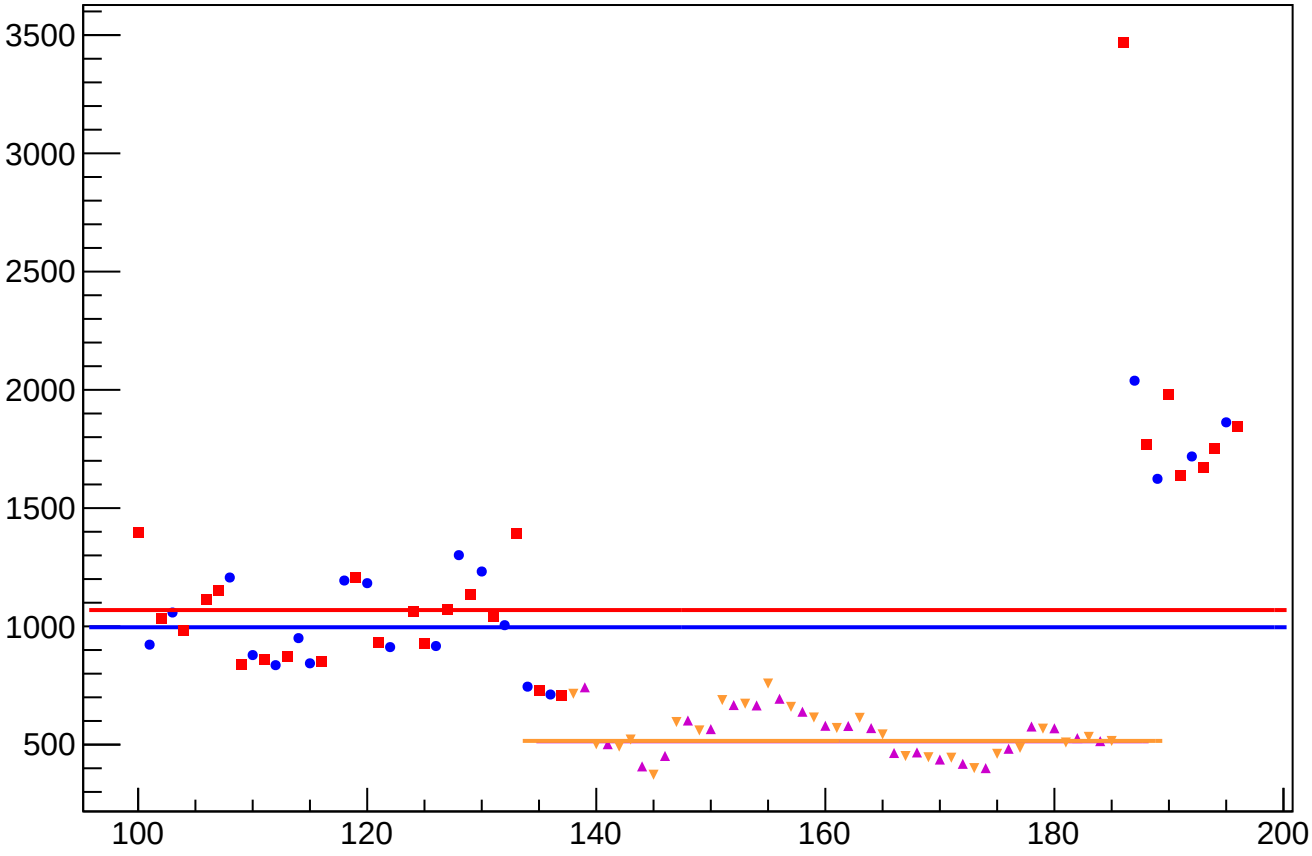
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -580.773+/-112.356 χ^2/NDF: 85.9/44

All: -385.435+/-80.210 χ^2/NDF: 138.9/93

- sign -182.413+/-114.544 χ^2/NDF: 46.8/48

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 996.285+/-0.236 χ^2/NDF: 1584208.9/19

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

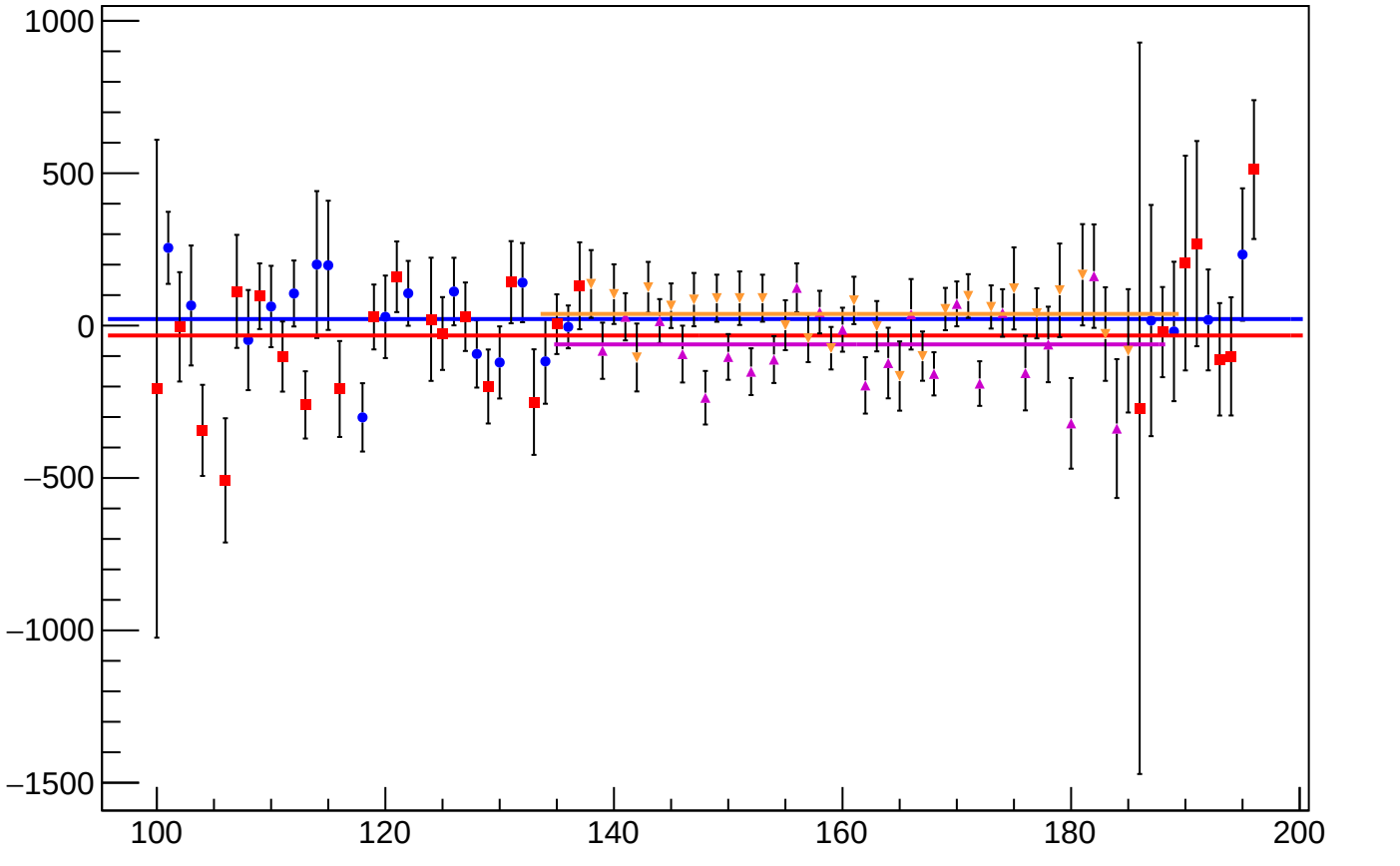
Right Out: 1068.946+/-0.231 χ^2/NDF: 2316776.7/25

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 570.243+/-0.079 χ^2/NDF: 6494088.8/44

All: 576.161+/-0.057 χ^2/NDF: 14999867.0/93

- sign 582.311+/-0.081 χ^2/NDF: 8494464.1/48



Right In: 21.464+/-29.240 χ^2/NDF: 21.1/19

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -32.496+/-28.879 χ^2/NDF: 35.2/25

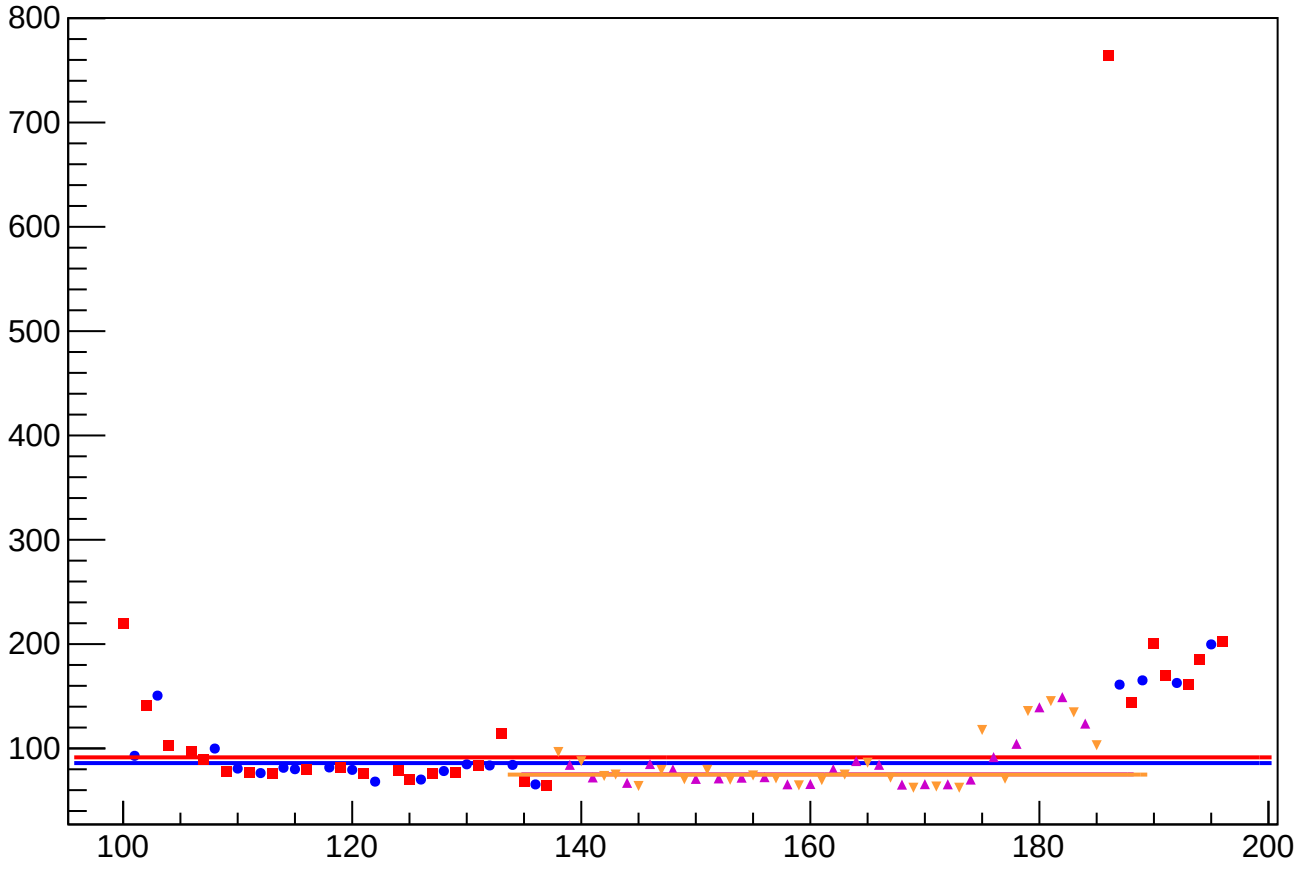
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.783+/-15.123 χ^2/NDF: 40.2/44

All: -9.048+/-10.787 χ^2/NDF: 129.1/93

- sign -53.420+/-15.392 χ^2/NDF: 72.6/48

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 85.940+/-0.021 χ^2/NDF: 1839715.7/19

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

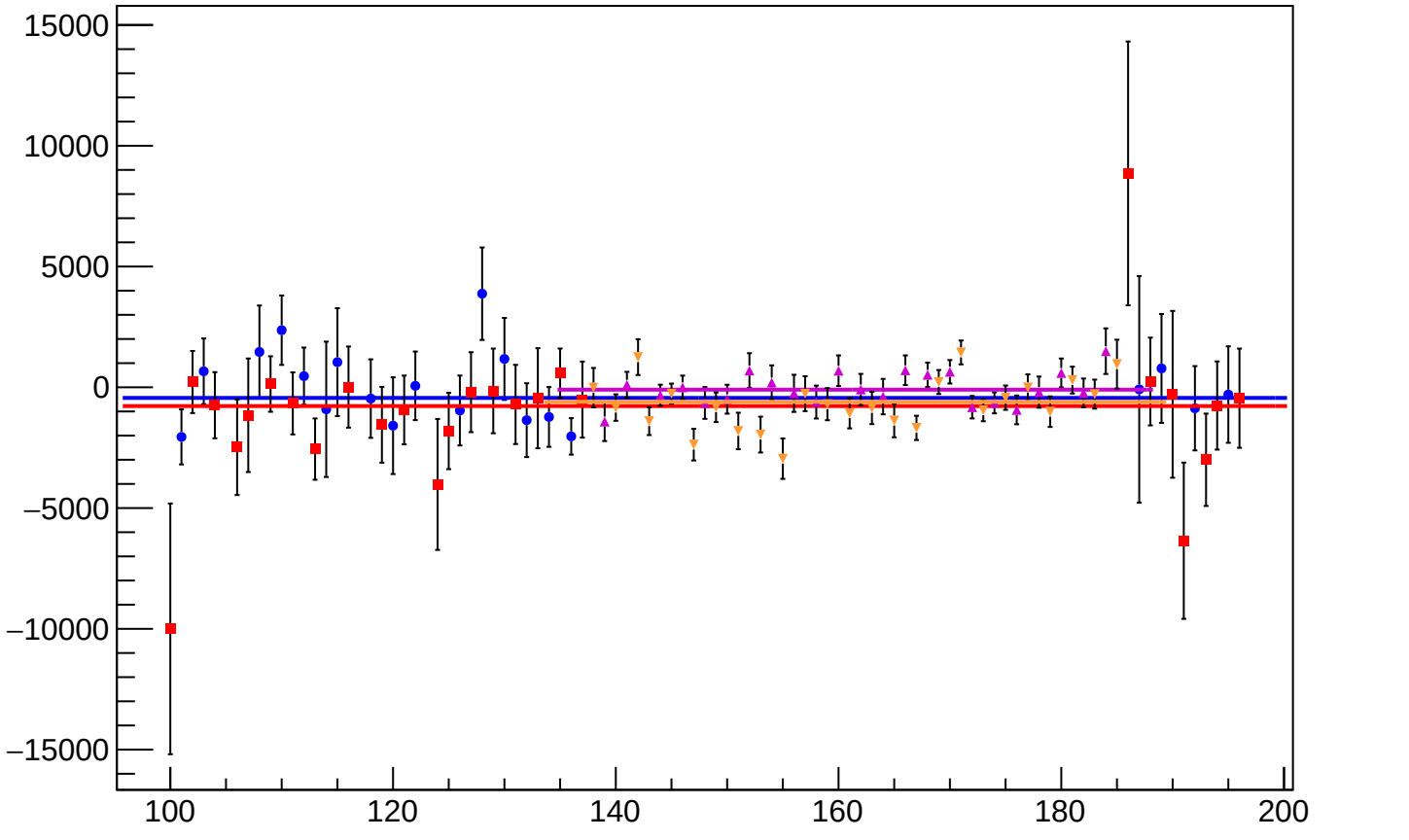
Right Out: 91.438+/-0.020 χ^2/NDF: 3154768.5/25

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 77.855+/-0.011 χ^2/NDF: 3709988.6/44

All: 78.801+/-0.008 χ^2/NDF: 8648357.6/93

- sign 79.781+/-0.011 χ^2/NDF: 4922435.3/48



Right In: -439.596+/-333.677 χ^2/NDF: 20.6/19

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

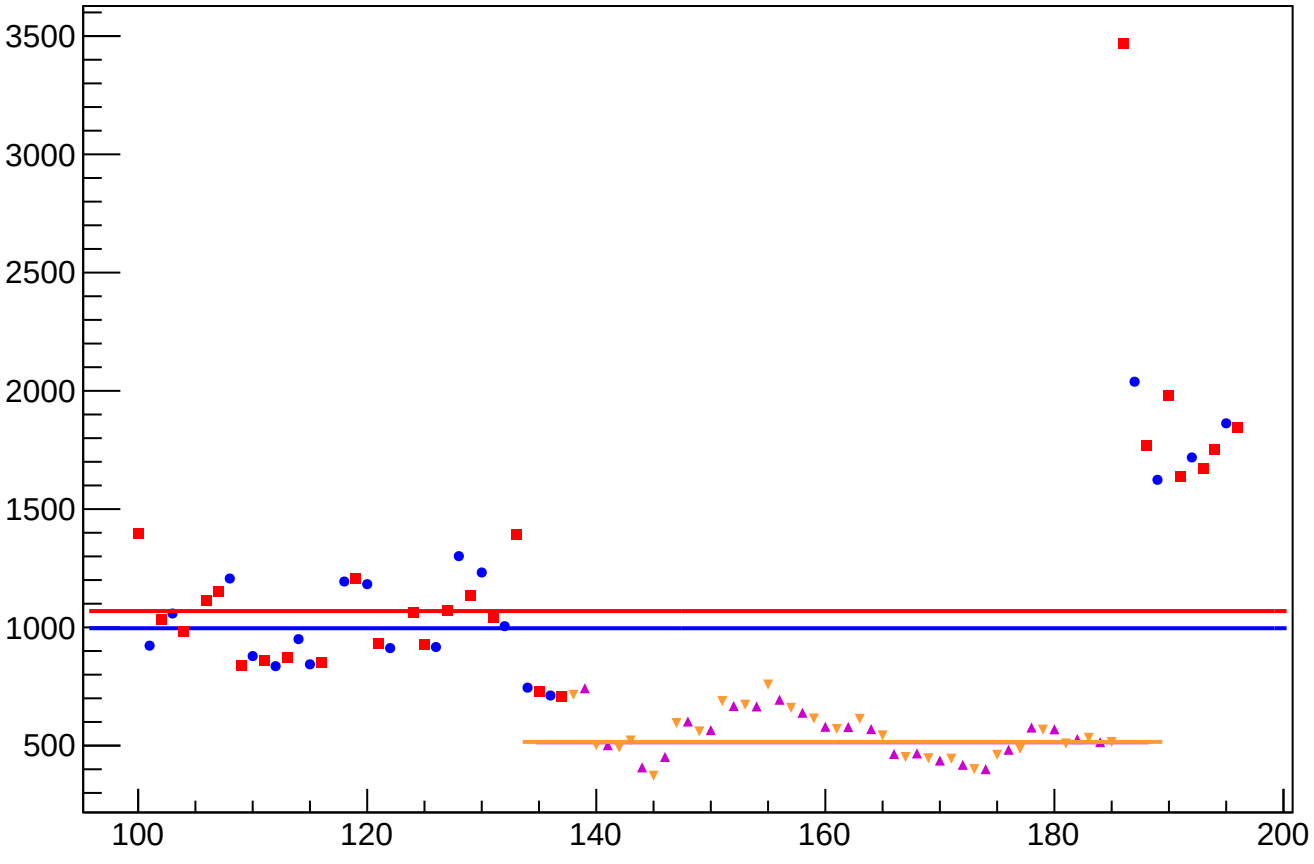
Right Out: -776.663+/-326.661 χ^2/NDF: 19.3/25

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -580.772+/-112.356 χ^2/NDF: 85.9/44

All: -385.434+/-80.210 χ^2/NDF: 138.9/93

- sign -182.412+/-114.544 χ^2/NDF: 46.8/48



Right In: 996.283+/-0.236 χ^2/NDF: 1584212.0/19

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1068.943+/-0.231 χ^2/NDF: 2316782.0/25

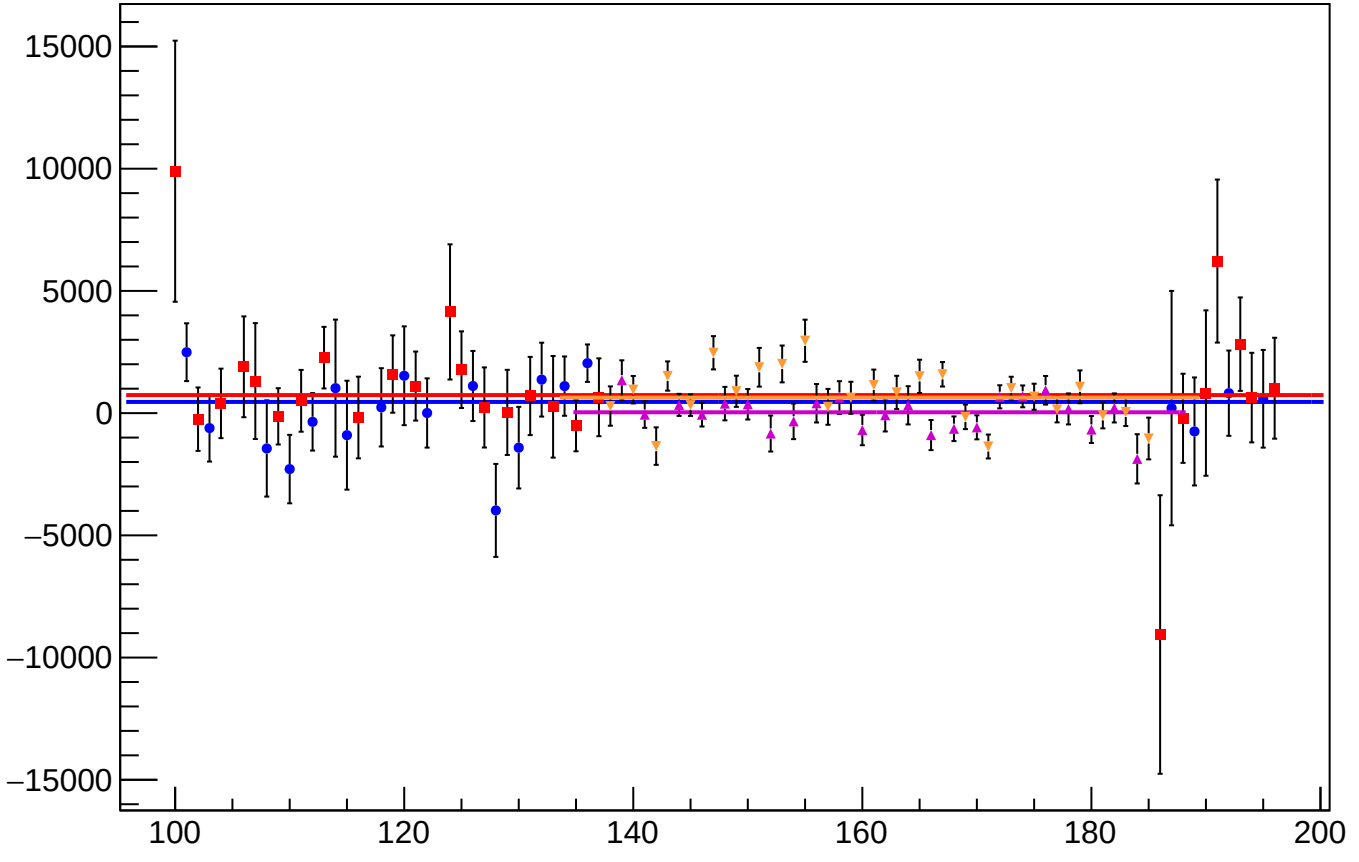
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 570.242+/-0.079 χ^2/NDF: 6494090.9/44

All: 576.160+/-0.057 χ^2/NDF: 14999865.4/93

- sign 582.310+/-0.081 χ^2/NDF: 8494460.2/48

asym_sam_12345678_avg_mean vs Slug



Right In: 458.674+/-333.826 χ^2/NDF: 21.8/19

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 737.788+/-328.409 χ^2/NDF: 17.5/25

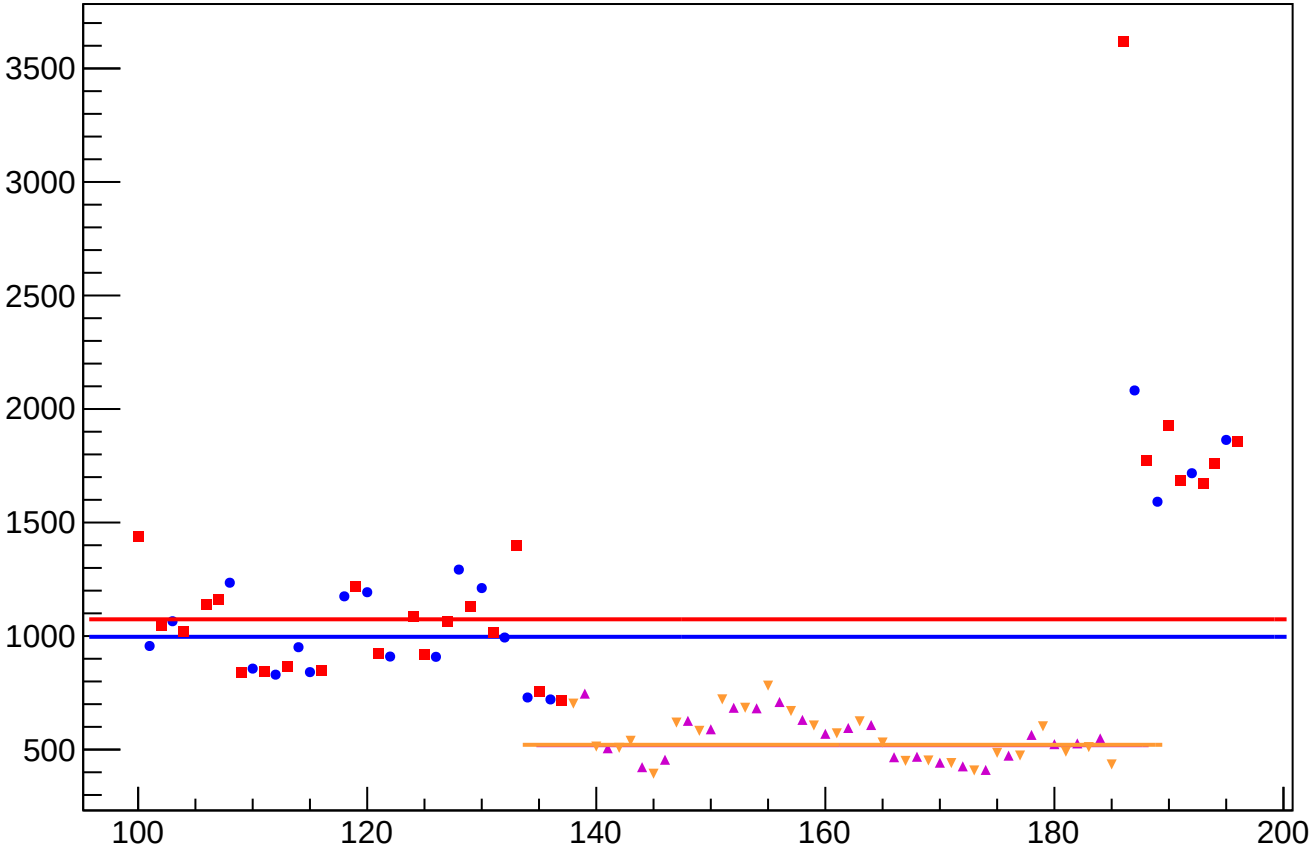
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 614.417+/-113.522 χ^2/NDF: 86.6/44

All: 372.660+/-81.001 χ^2/NDF: 142.4/93

\- sign 121.926+/-115.611 χ^2/NDF: 46.6/48

asym_sam_12345678_avg_rms vs Slug



Right In: 996.637+/-0.236 χ^2/NDF: 1569730.6/19

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

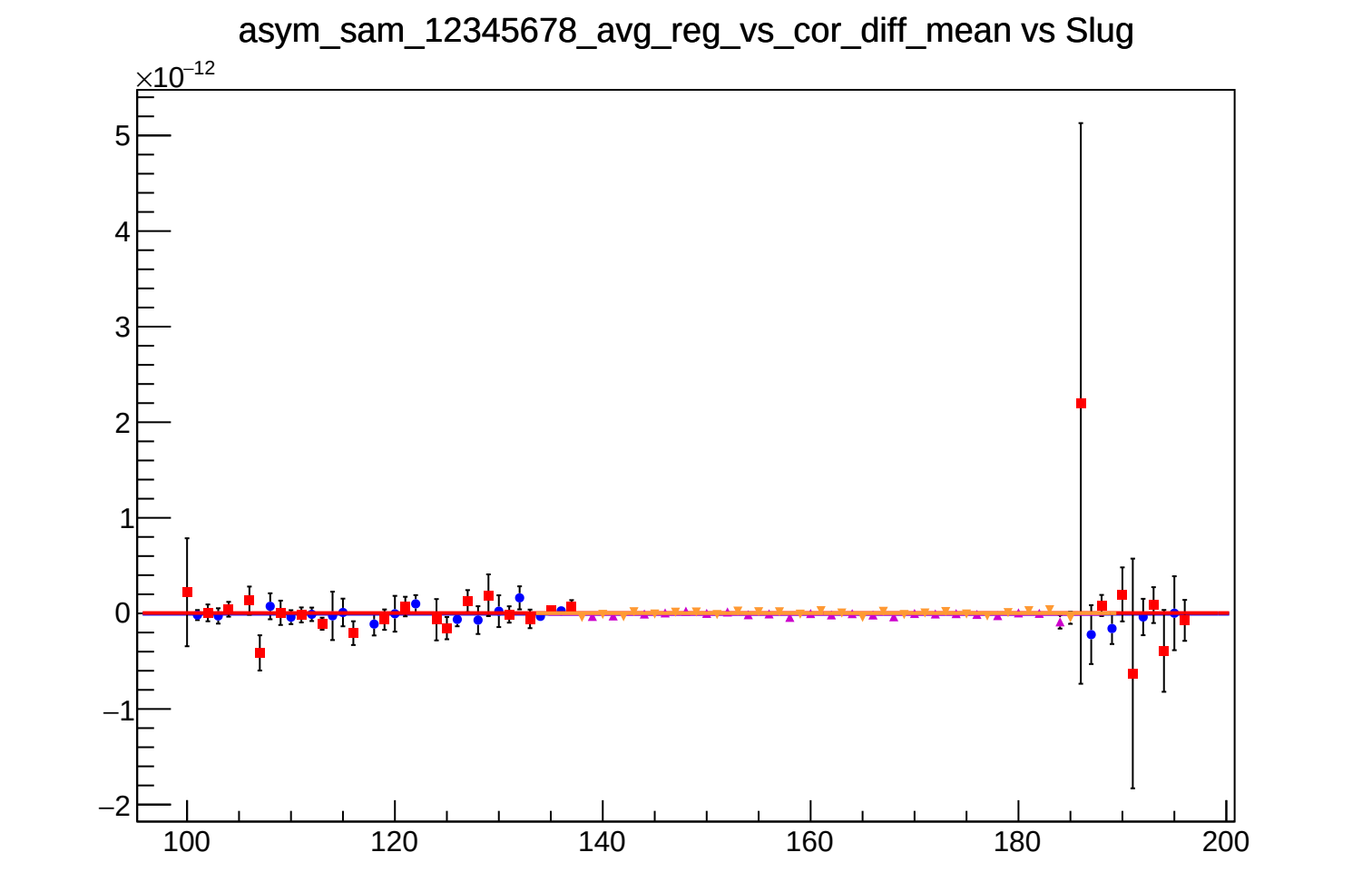
Right Out: 1073.730+/-0.232 χ^2/NDF: 2306171.2/25

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 576.027+/-0.080 χ^2/NDF: 6402963.0/44

All: 581.882+/-0.057 χ^2/NDF: 14815441.1/93

- sign 587.956+/-0.082 χ^2/NDF: 8401637.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

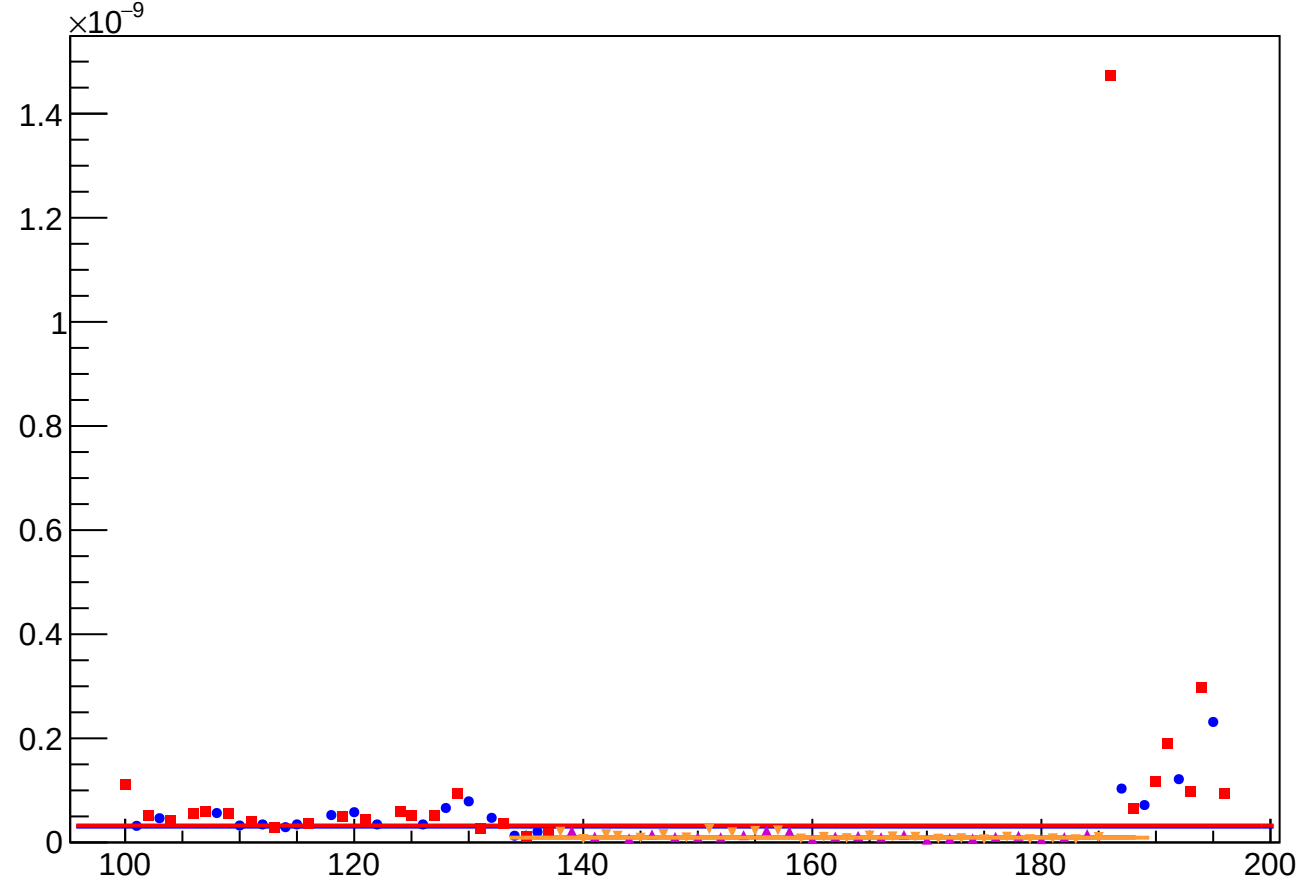
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/25

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/44

All: -0.000+/-0.000 χ^2/NDF: 66.0/93

- sign -0.000+/-0.000 χ^2/NDF: 33.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 2416973.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

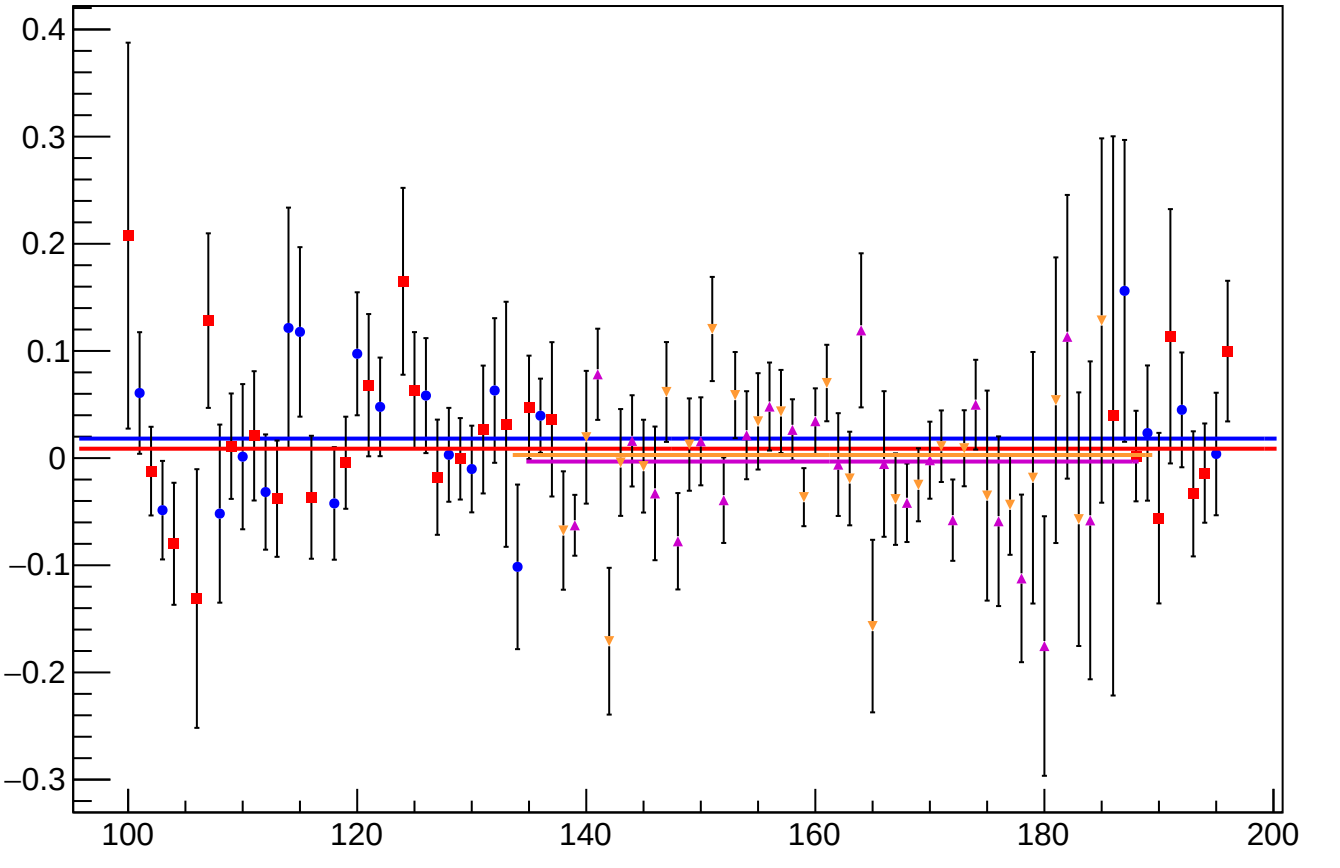
Right Out: 0.000+/-0.000 χ^2/NDF: 3762648.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7365213.5/44

All: 0.000+/-0.000 χ^2/NDF: 15627449.3/93

- sign 0.000+/-0.000 χ^2/NDF: 8249851.0/48



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

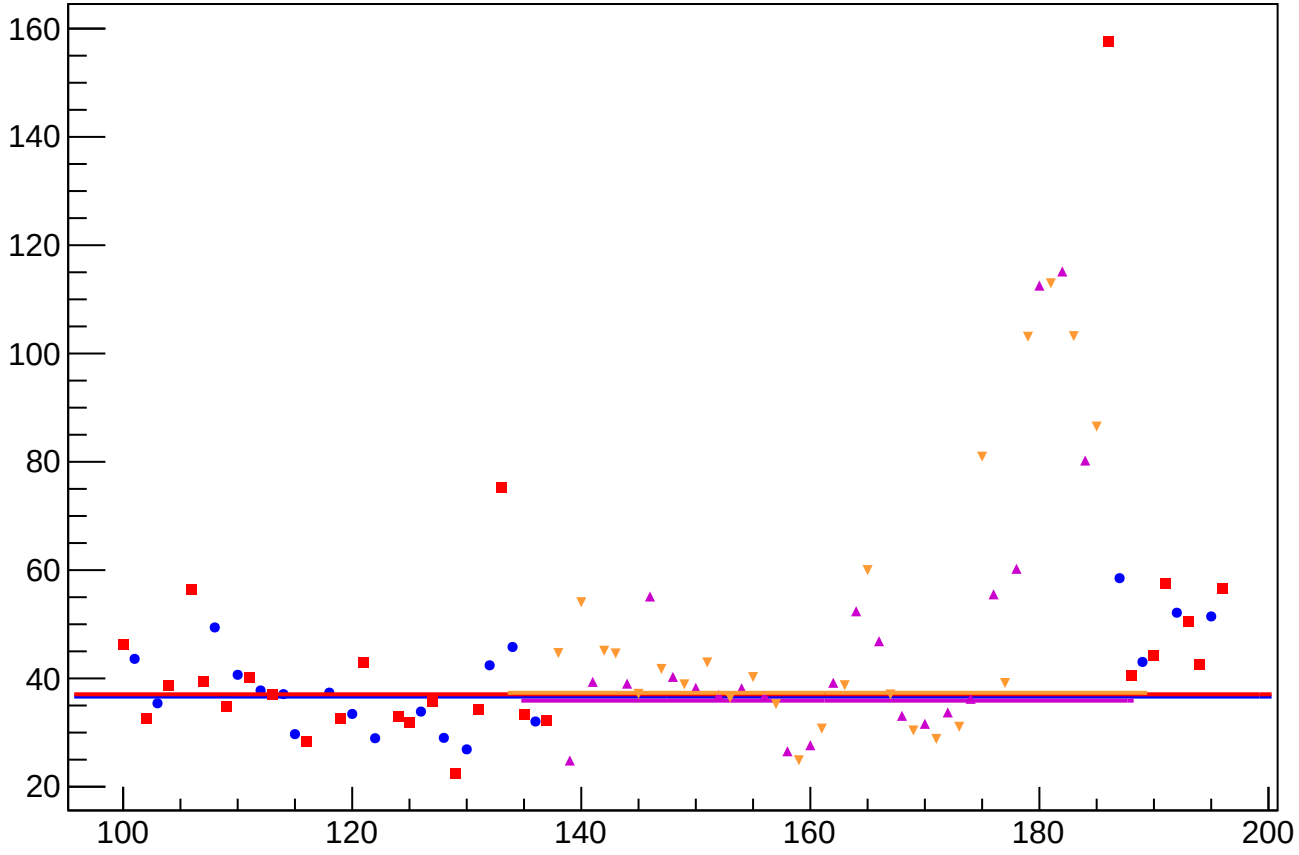
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.005+/-0.005 χ^2/NDF: 100.2/93

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.649+/-0.009 χ^2/NDF: 795082.6/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

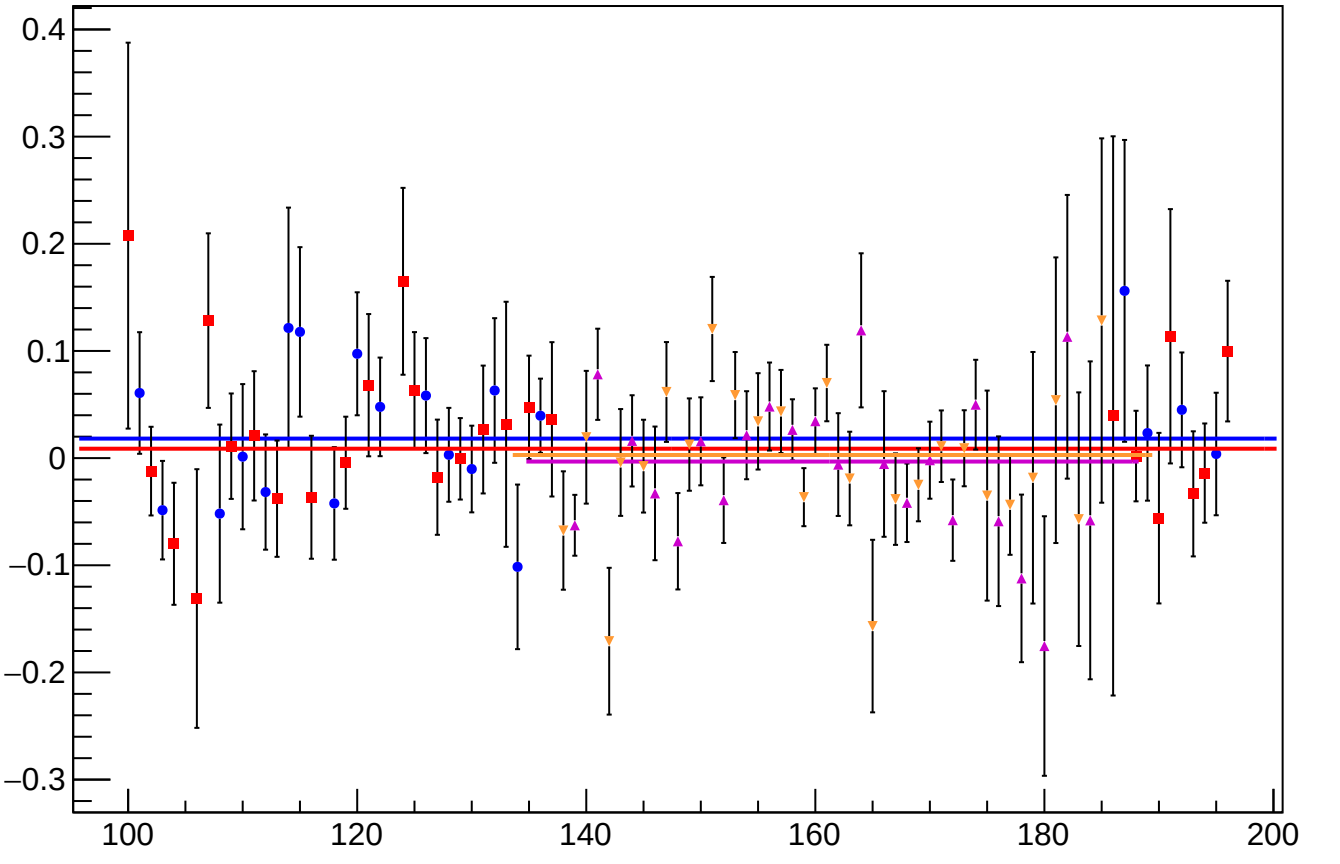
Right Out: 37.069+/-0.008 χ^2/NDF: 1575191.8/25

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495774.9/44

All: 36.710+/-0.004 χ^2/NDF: 9232378.7/93

- sign 36.350+/-0.005 χ^2/NDF: 4726190.1/48



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

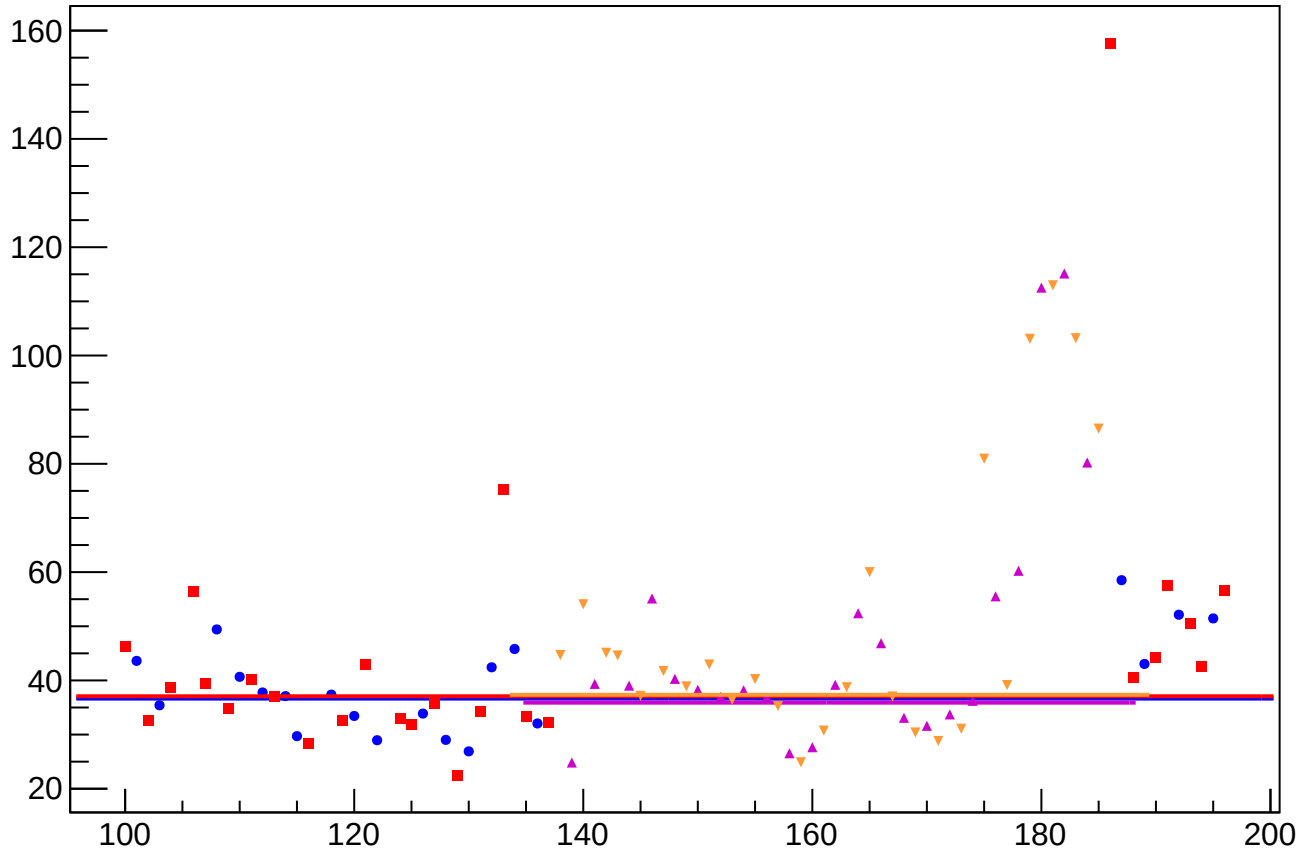
Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.005+/-0.005 χ^2/NDF: 100.2/93

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48



Right In: 36.649+/-0.009 χ^2/NDF: 795082.6/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

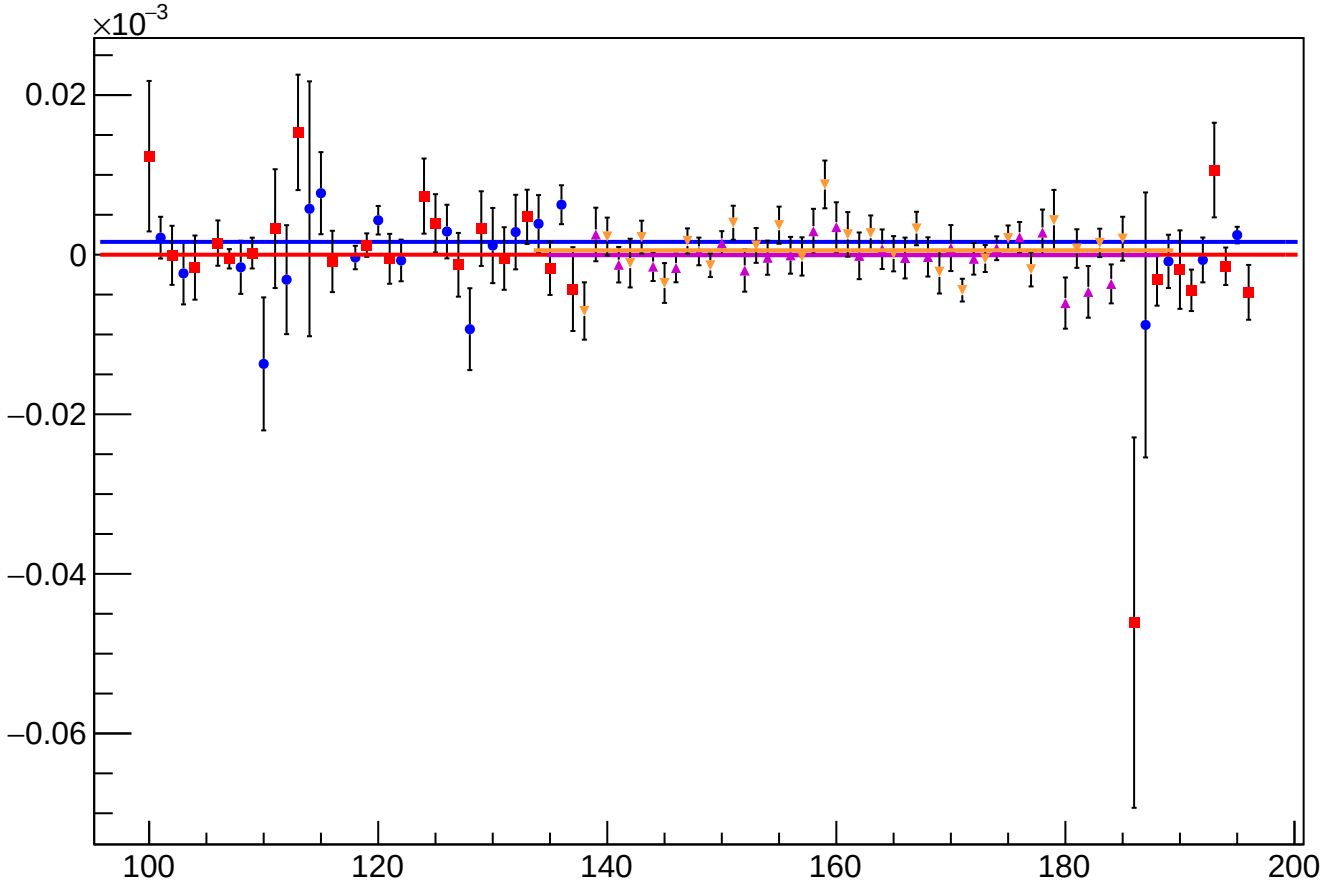
Right Out: 37.069+/-0.008 χ^2/NDF: 1575191.8/25

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495774.9/44

All: 36.710+/-0.004 χ^2/NDF: 9232378.7/93

- sign 36.350+/-0.005 χ^2/NDF: 4726190.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/25

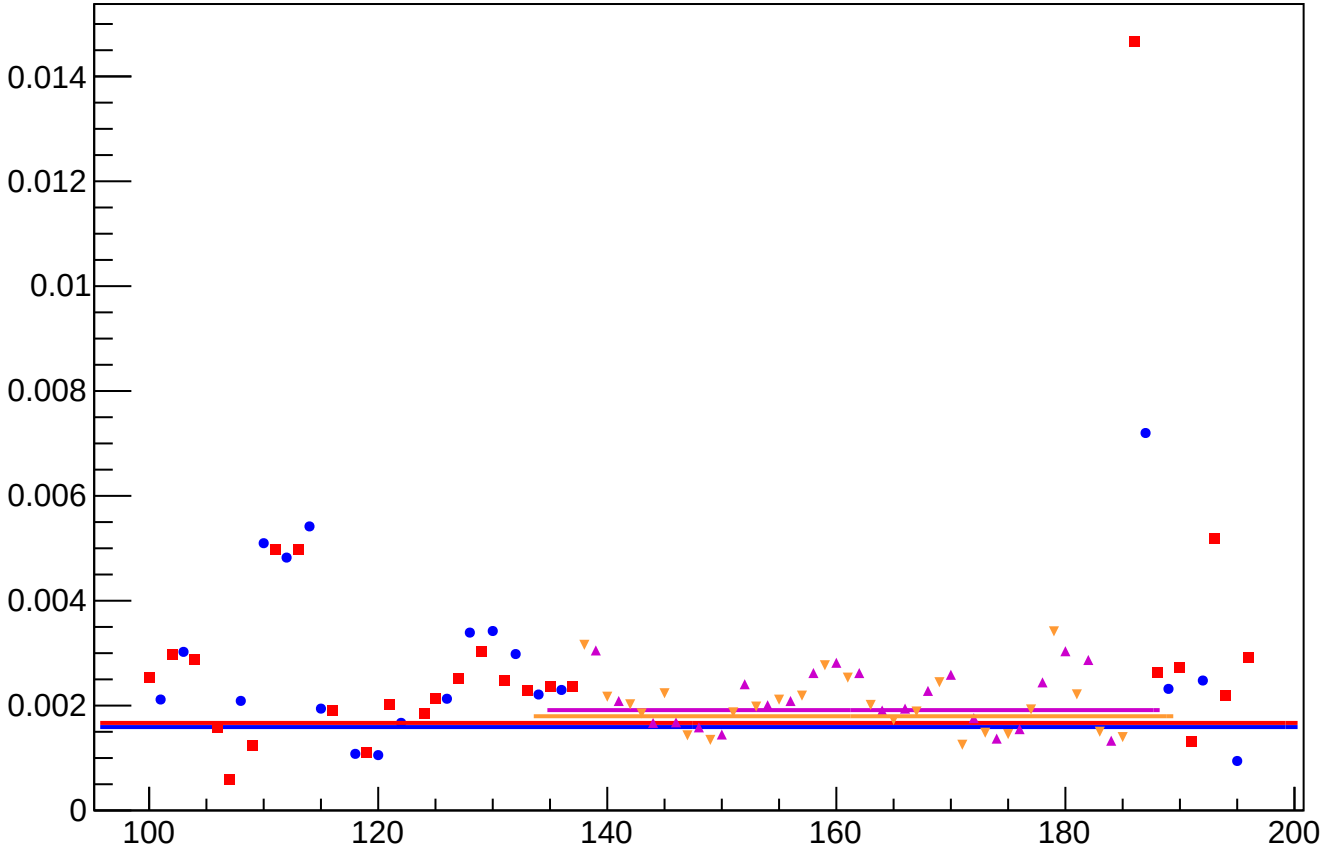
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/44

All: 0.000+/-0.000 χ^2/NDF: 117.9/93

- sign -0.000+/-0.000 χ^2/NDF: 45.3/48

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4054517.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

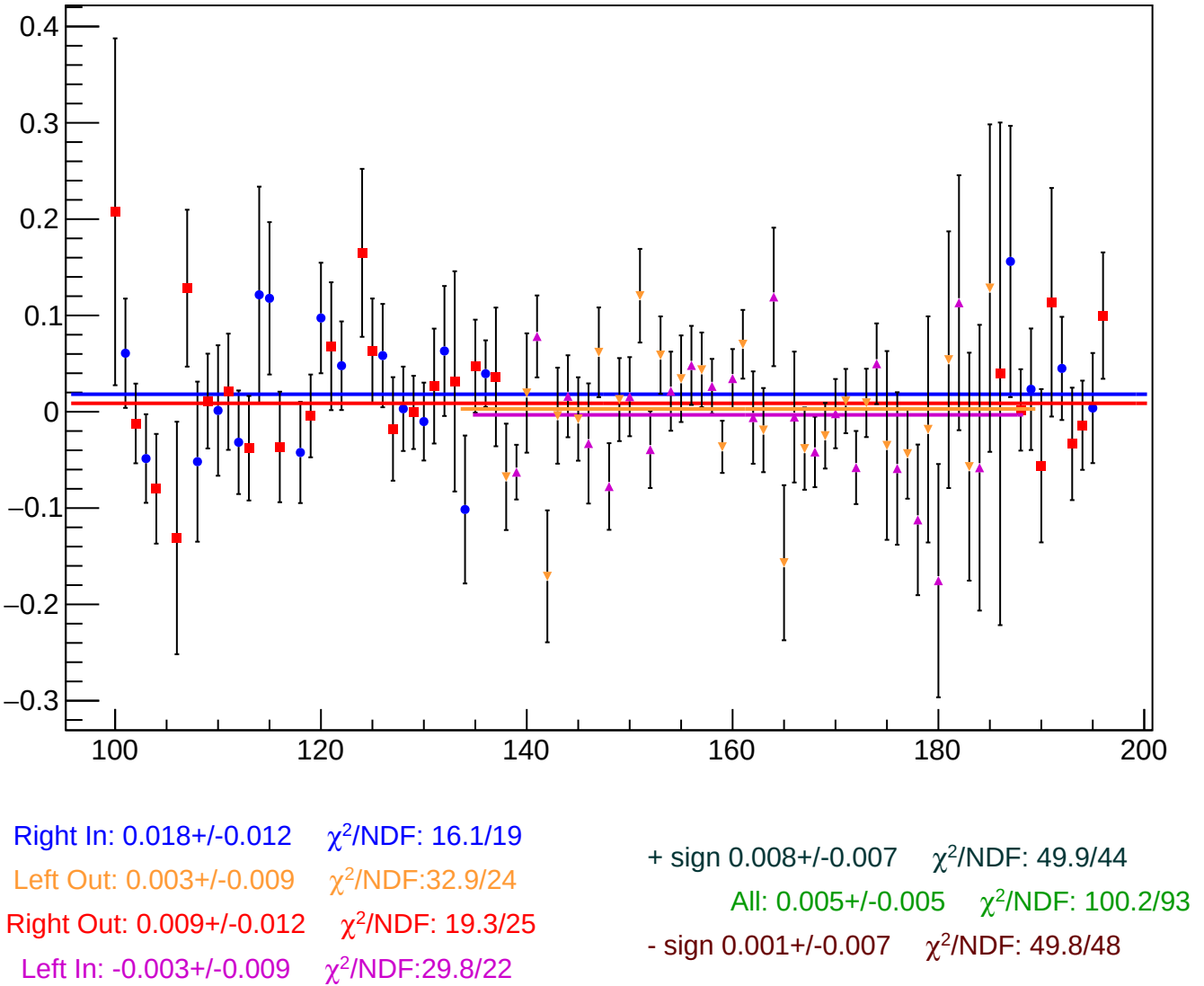
Right Out: 0.002+/-0.000 χ^2/NDF: 5824721.6/25

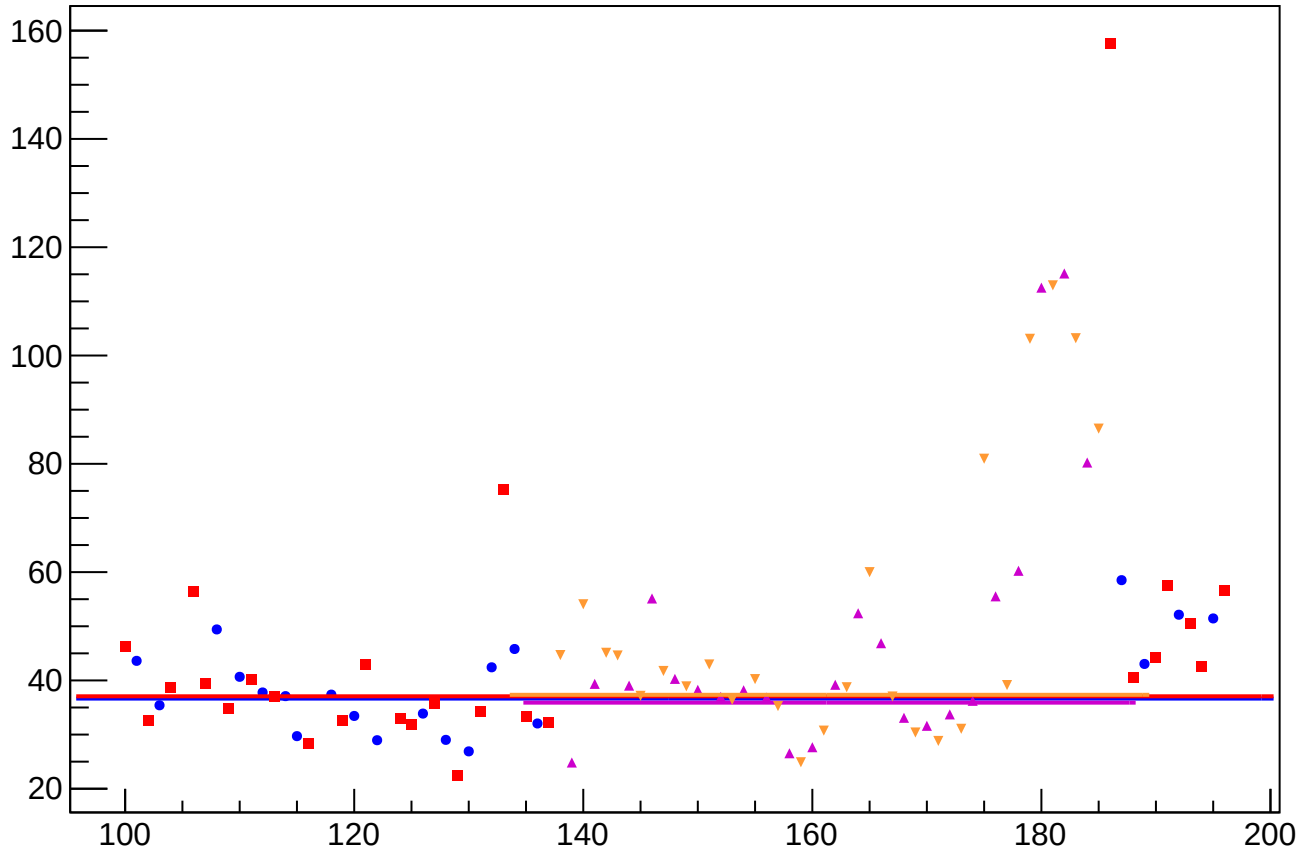
Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 6497045.1/44

All: 0.002+/-0.000 χ^2/NDF: 14778127.6/93

- sign 0.002+/-0.000 χ^2/NDF: 8212721.3/48


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.018+/-0.012 χ²/NDF: 16.1/19
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.009+/-0.012 χ²/NDF: 19.3/25
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.007 χ²/NDF: 49.9/44
All: 0.005+/-0.005 χ²/NDF: 100.2/93
- sign 0.001+/-0.007 χ²/NDF: 49.8/48



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

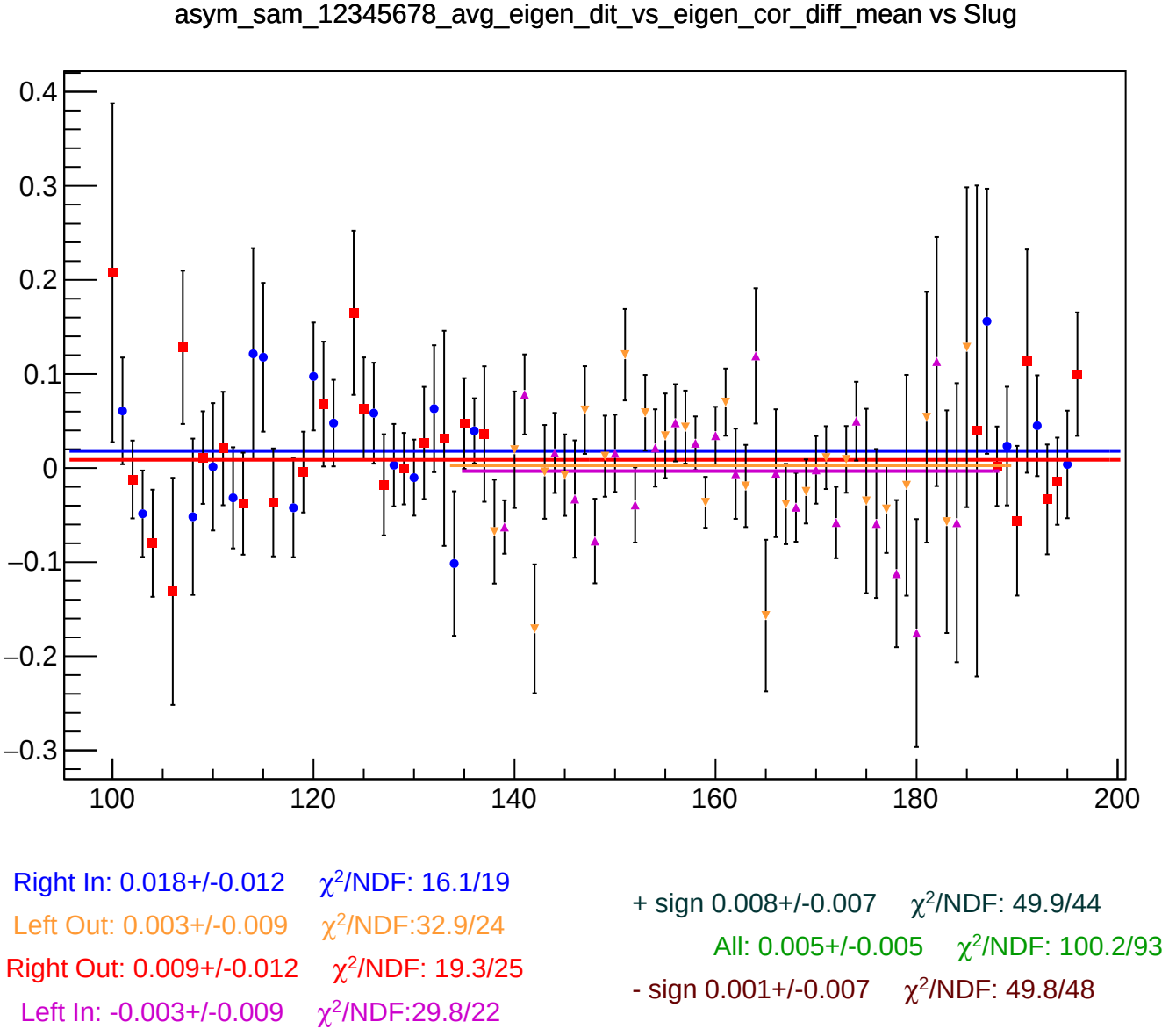
Right Out: 37.069+/-0.008 χ^2/NDF: 1575269.9/25

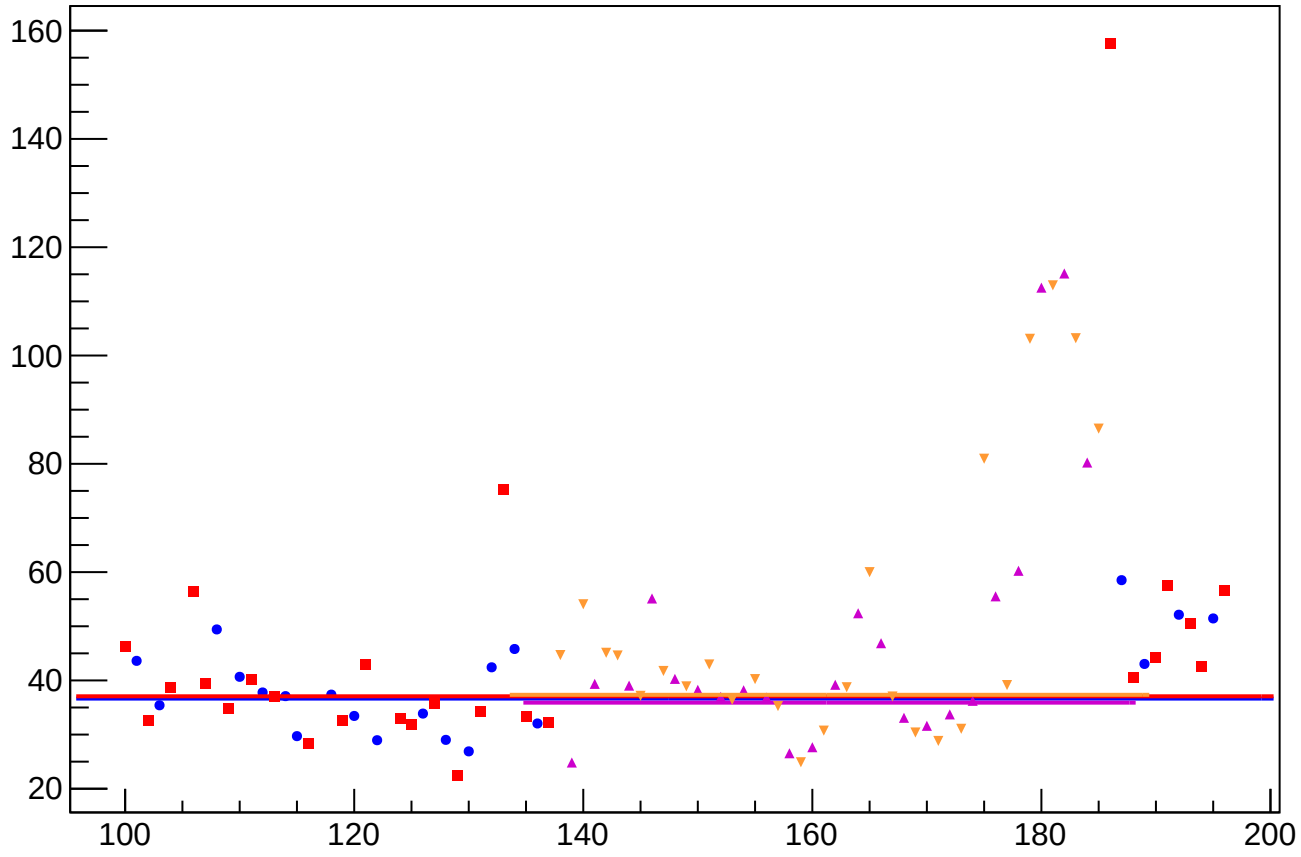
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495922.3/44

All: 36.710+/-0.004 χ^2/NDF: 9232599.1/93

- sign 36.350+/-0.005 χ^2/NDF: 4726268.3/48


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.018+/-0.012 χ²/NDF: 16.1/19
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.009+/-0.012 χ²/NDF: 19.3/25
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.007 χ²/NDF: 49.9/44
All: 0.005+/-0.005 χ²/NDF: 100.2/93
- sign 0.001+/-0.007 χ²/NDF: 49.8/48



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

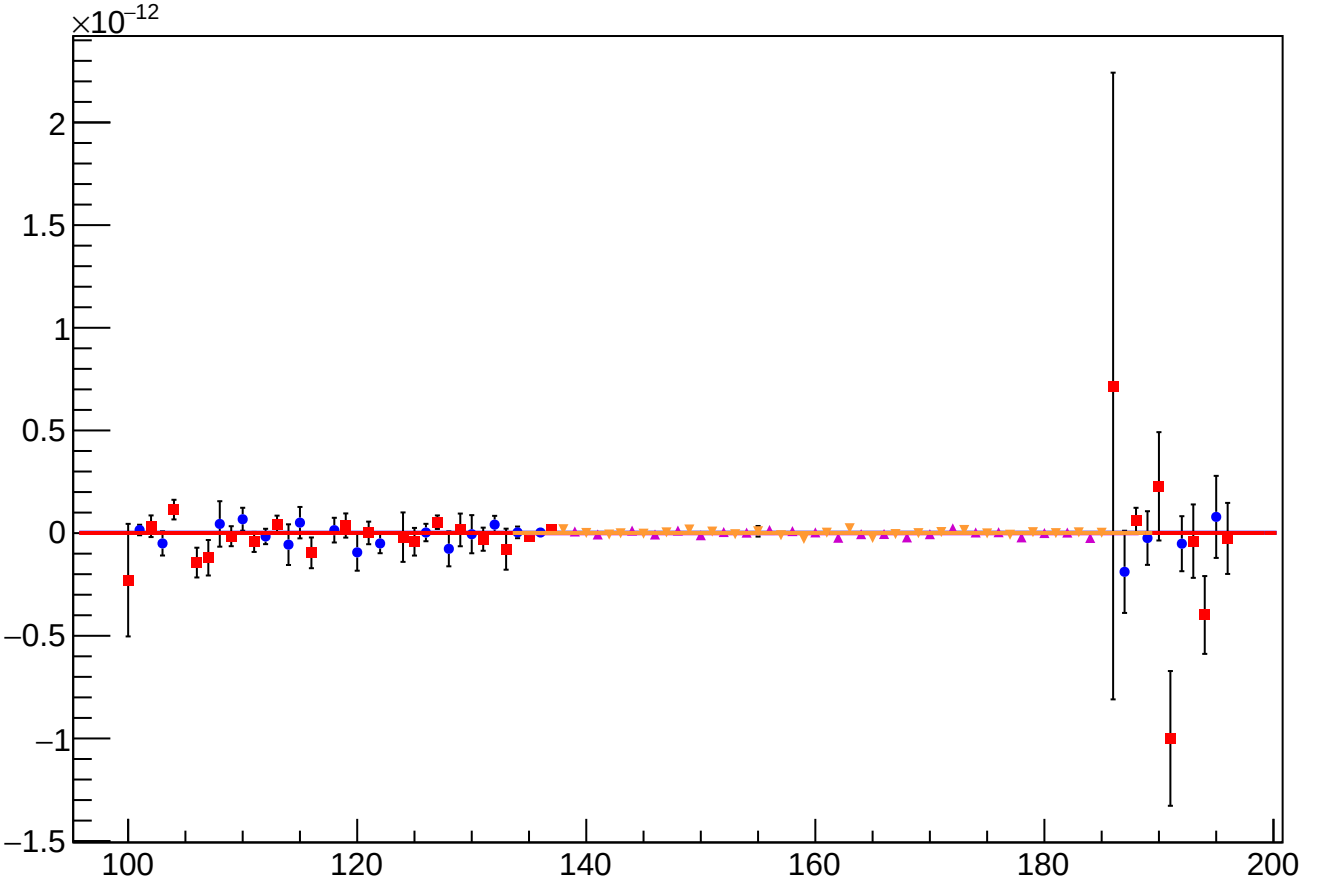
Right Out: 37.069+/-0.008 χ^2/NDF: 1575269.9/25

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495922.3/44

All: 36.710+/-0.004 χ^2/NDF: 9232599.1/93

- sign 36.350+/-0.005 χ^2/NDF: 4726268.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

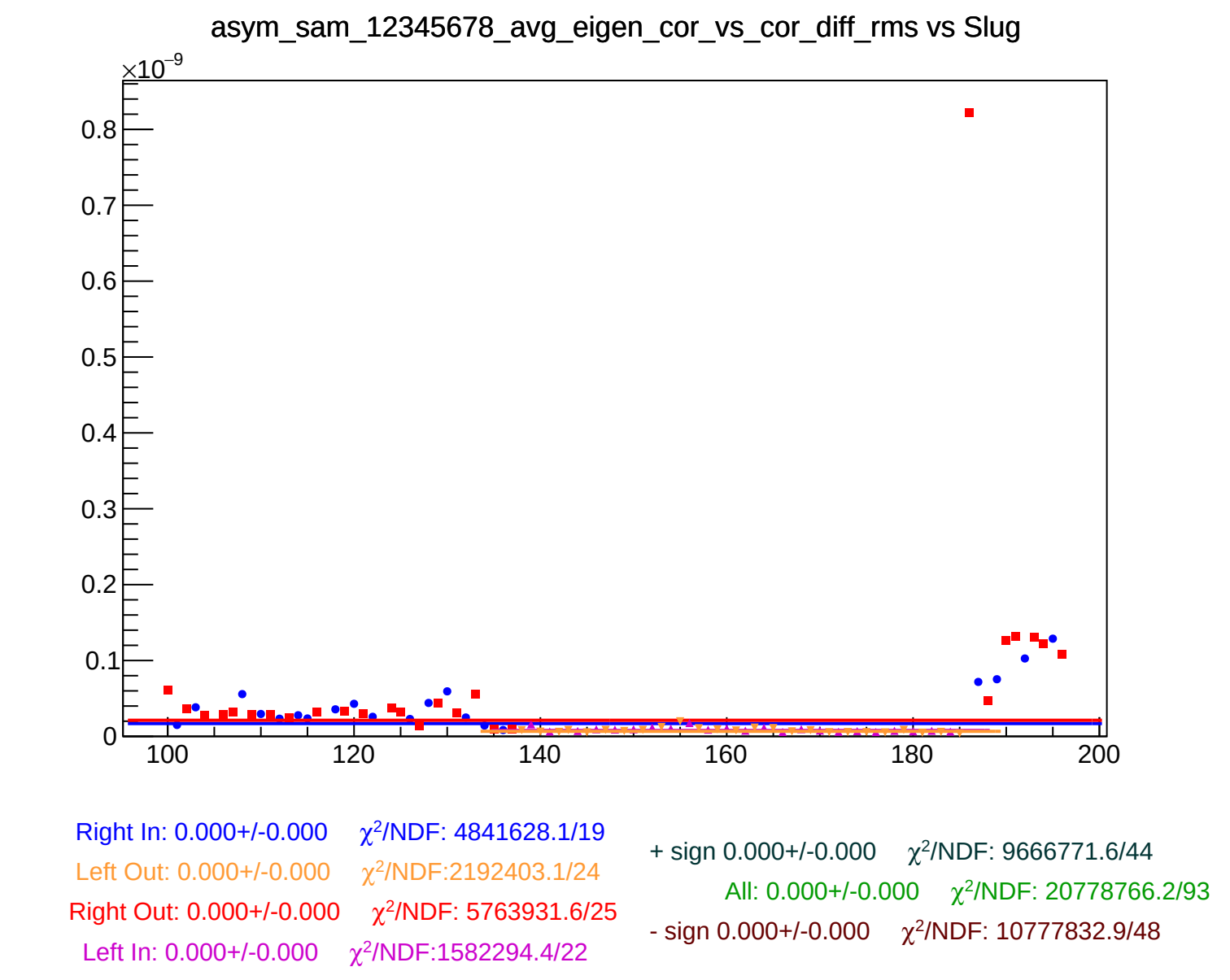
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

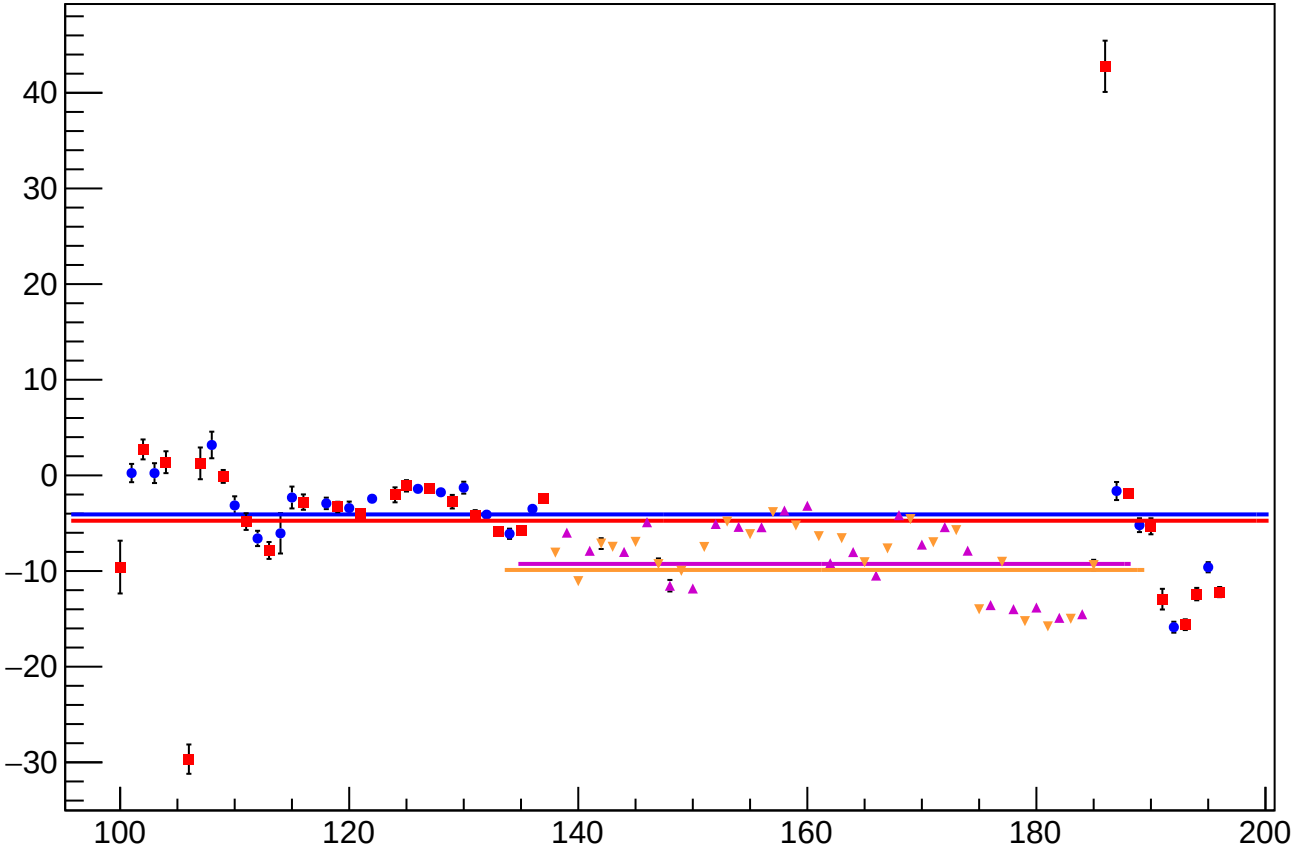
+ sign 0.000+/-0.000 χ^2/NDF: 30.3/44

All: 0.000+/-0.000 χ^2/NDF: 97.0/93

- 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: 4841628.1/19
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: 9666771.6/44
All: 0.000+/-0.000 χ²/NDF: 20778766.2/93
- sign 0.000+/-0.000 χ²/NDF: 10777832.9/48

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.080+/-0.125 χ^2/NDF: 730.0/19

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.741+/-0.118 χ^2/NDF: 1752.6/25

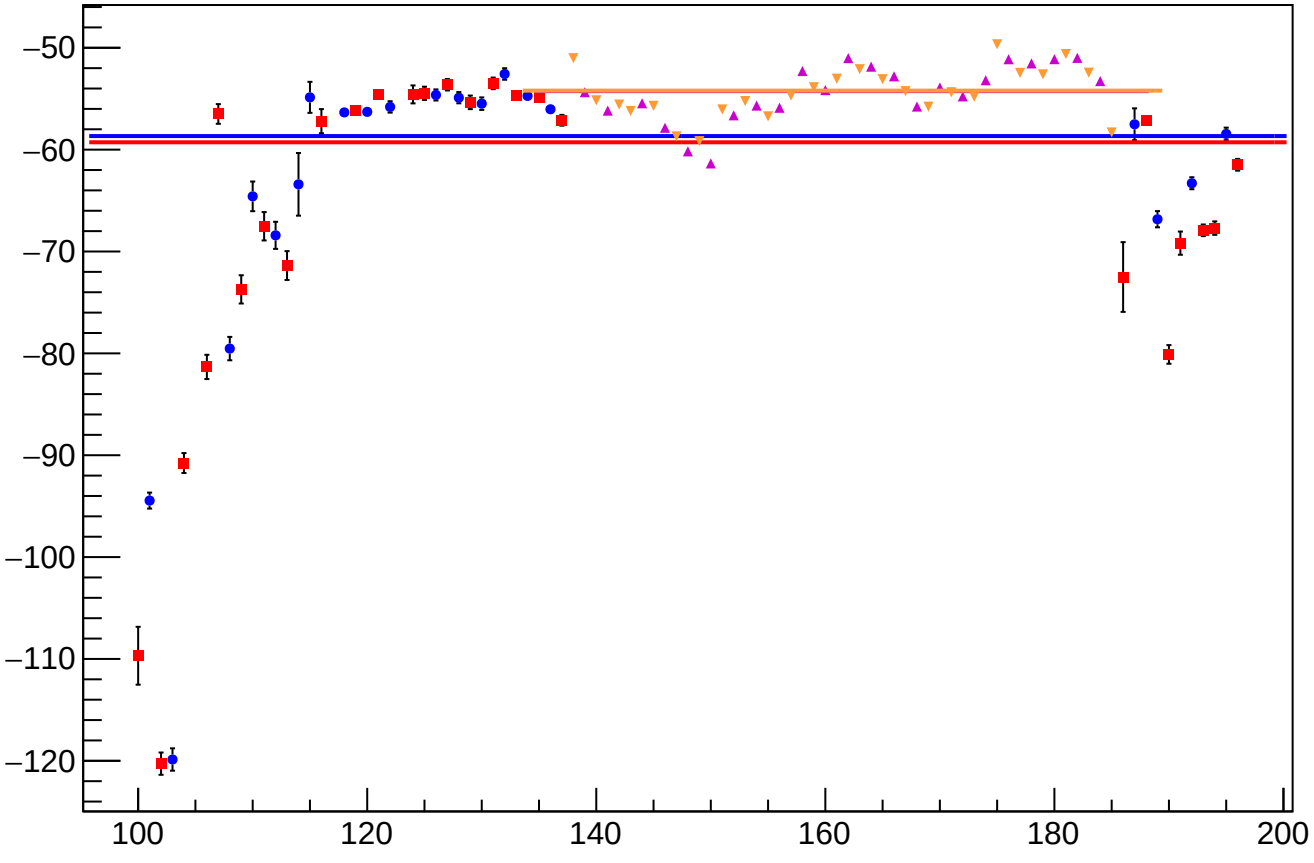
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.510+/-0.061 χ^2/NDF: 5590.4/44

All: -8.275+/-0.043 χ^2/NDF: 11511.7/93

- sign -8.037+/-0.061 χ^2/NDF: 5891.3/48

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.668+/-0.127 χ^2/NDF: 6306.4/19

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.278+/-0.122 χ^2/NDF: 6941.3/25

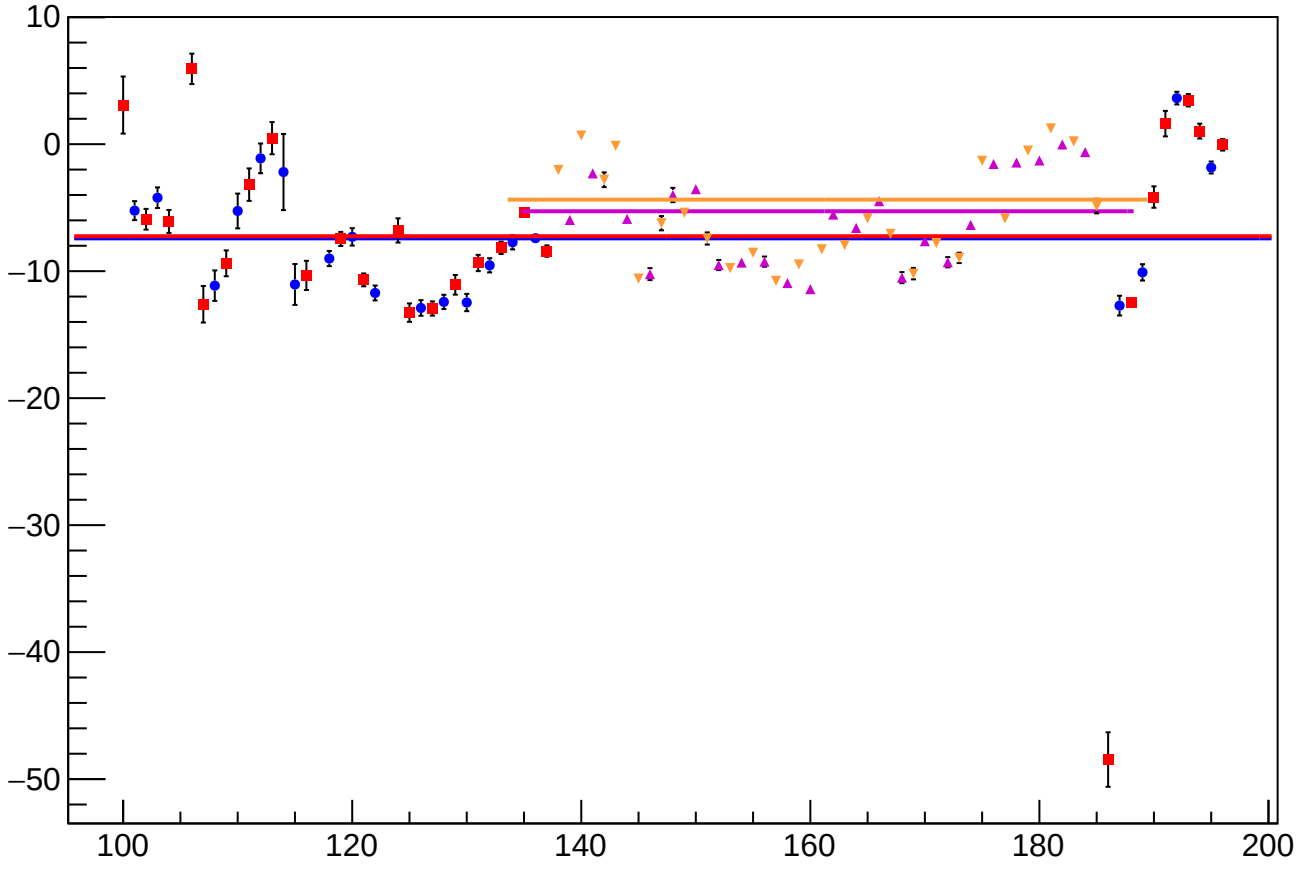
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.928+/-0.051 χ^2/NDF: 9197.2/44

All: -55.054+/-0.037 χ^2/NDF: 20014.6/93

- sign -55.187+/-0.053 χ^2/NDF: 10804.9/48

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -7.416+/-0.129 χ^2/NDF: 1058.4/19

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -7.250+/-0.118 χ^2/NDF: 2307.3/25

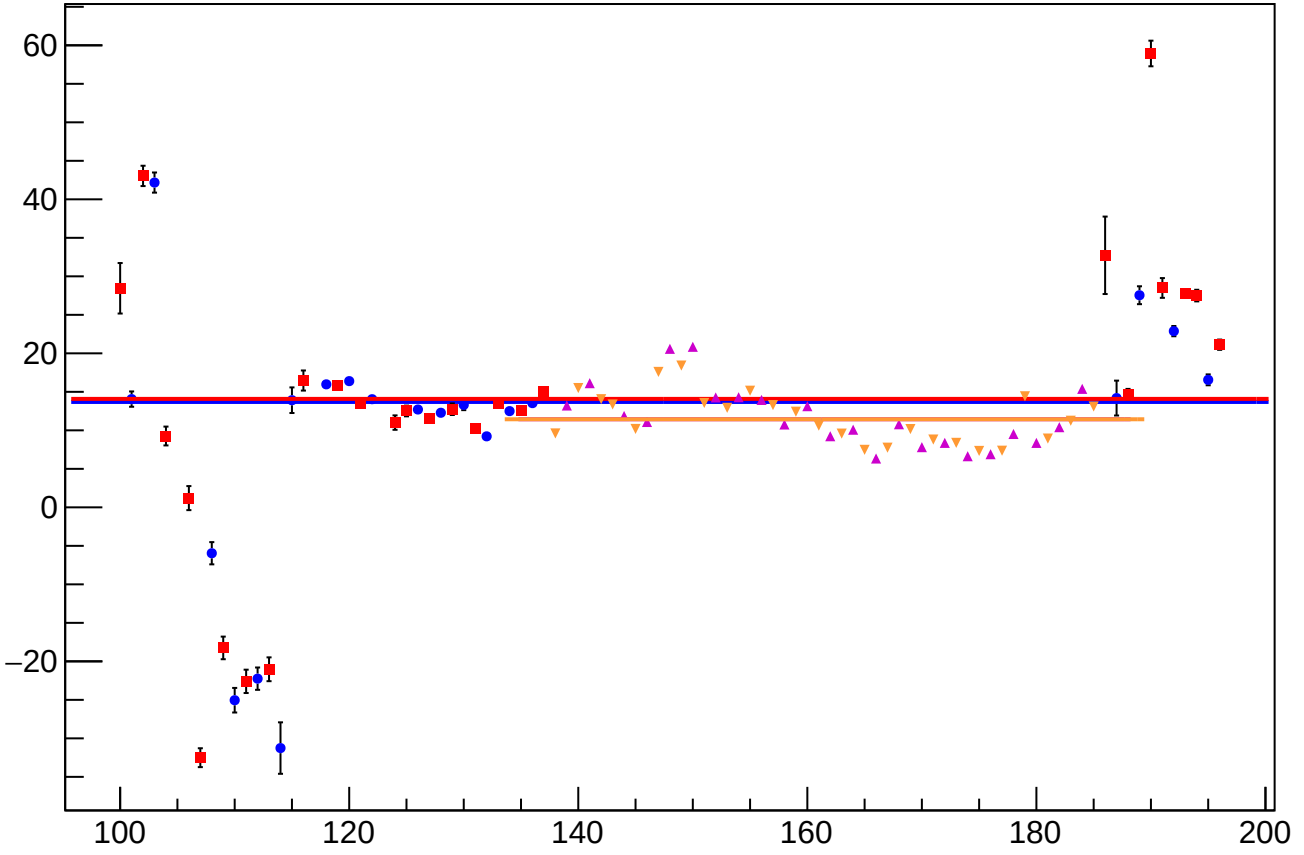
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.051+/-0.061 χ^2/NDF: 5195.1/44

All: -5.430+/-0.043 χ^2/NDF: 10533.7/93

- sign -5.807+/-0.061 χ^2/NDF: 5261.6/48

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.687+/-0.142 χ^2/NDF: 2509.2/19

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.084+/-0.140 χ^2/NDF: 5481.4/25

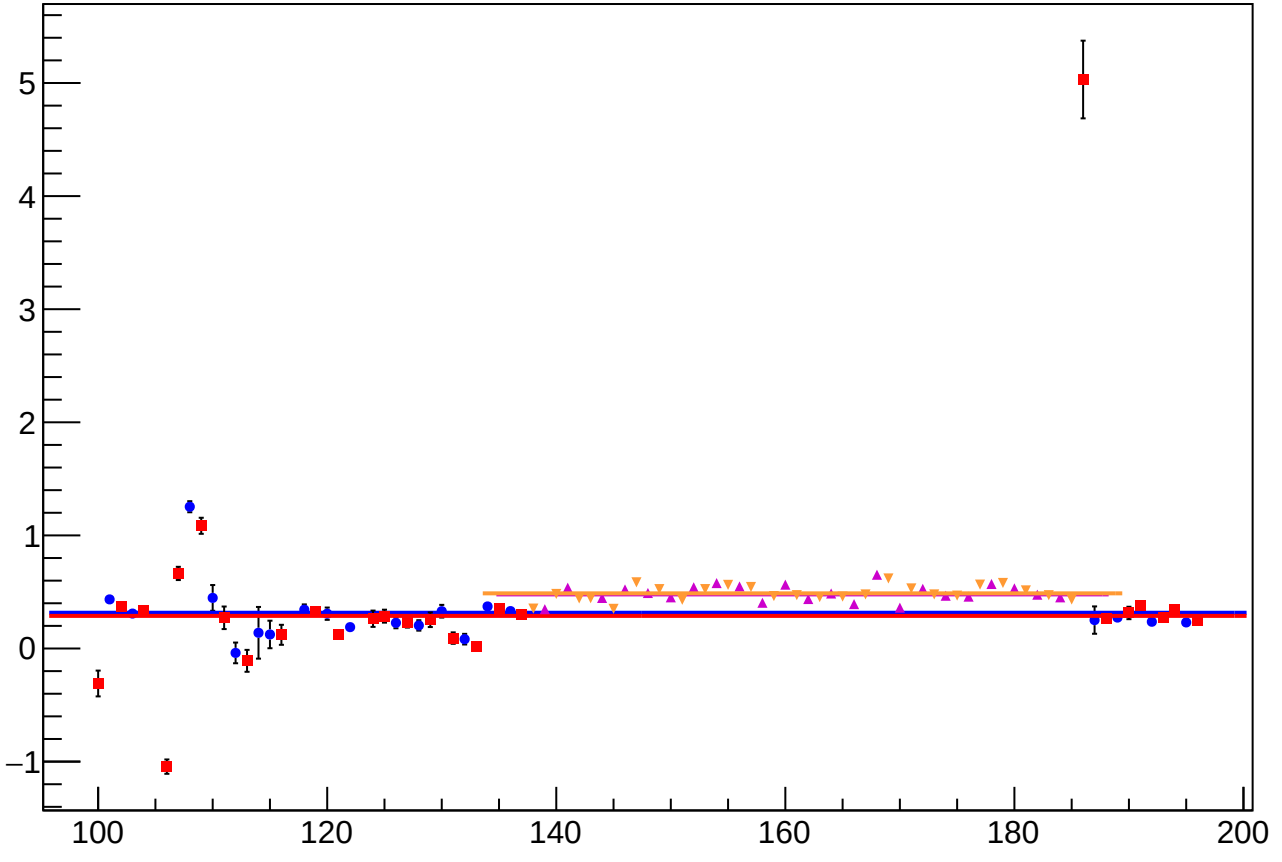
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.797+/-0.057 χ^2/NDF: 5155.0/44

All: 11.847+/-0.041 χ^2/NDF: 14291.0/93

\- sign 11.900+/-0.058 χ^2/NDF: 9134.4/48

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.316+/-0.007 χ^2/NDF: 477.3/19

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.288+/-0.007 χ^2/NDF: 987.5/25

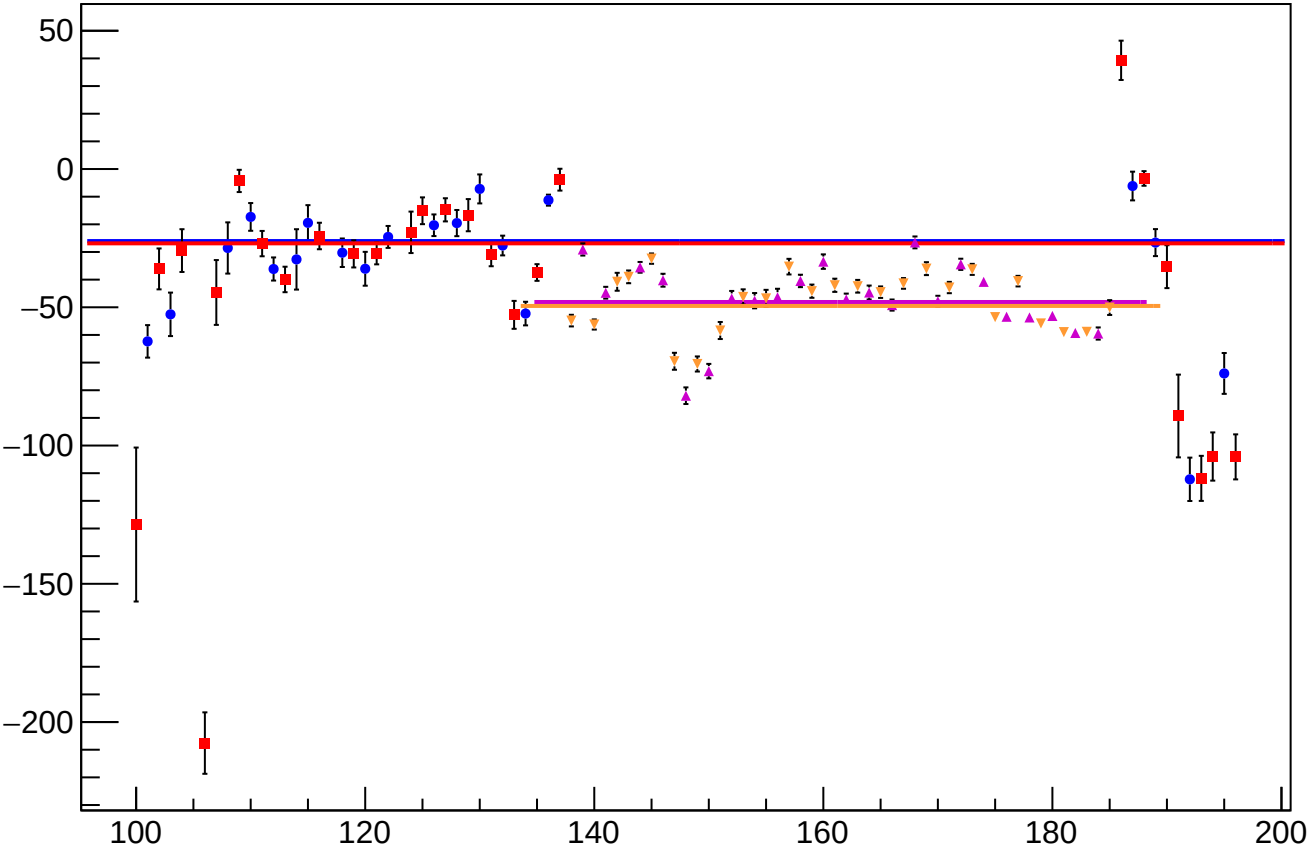
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.464+/-0.003 χ^2/NDF: 1557.6/44

All: 0.457+/-0.002 χ^2/NDF: 4065.2/93

- sign 0.450+/-0.003 χ^2/NDF: 2492.1/48

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -26.051+/-1.020 χ^2/NDF: 351.1/19

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.880+/-1.000 χ^2/NDF: 875.3/25

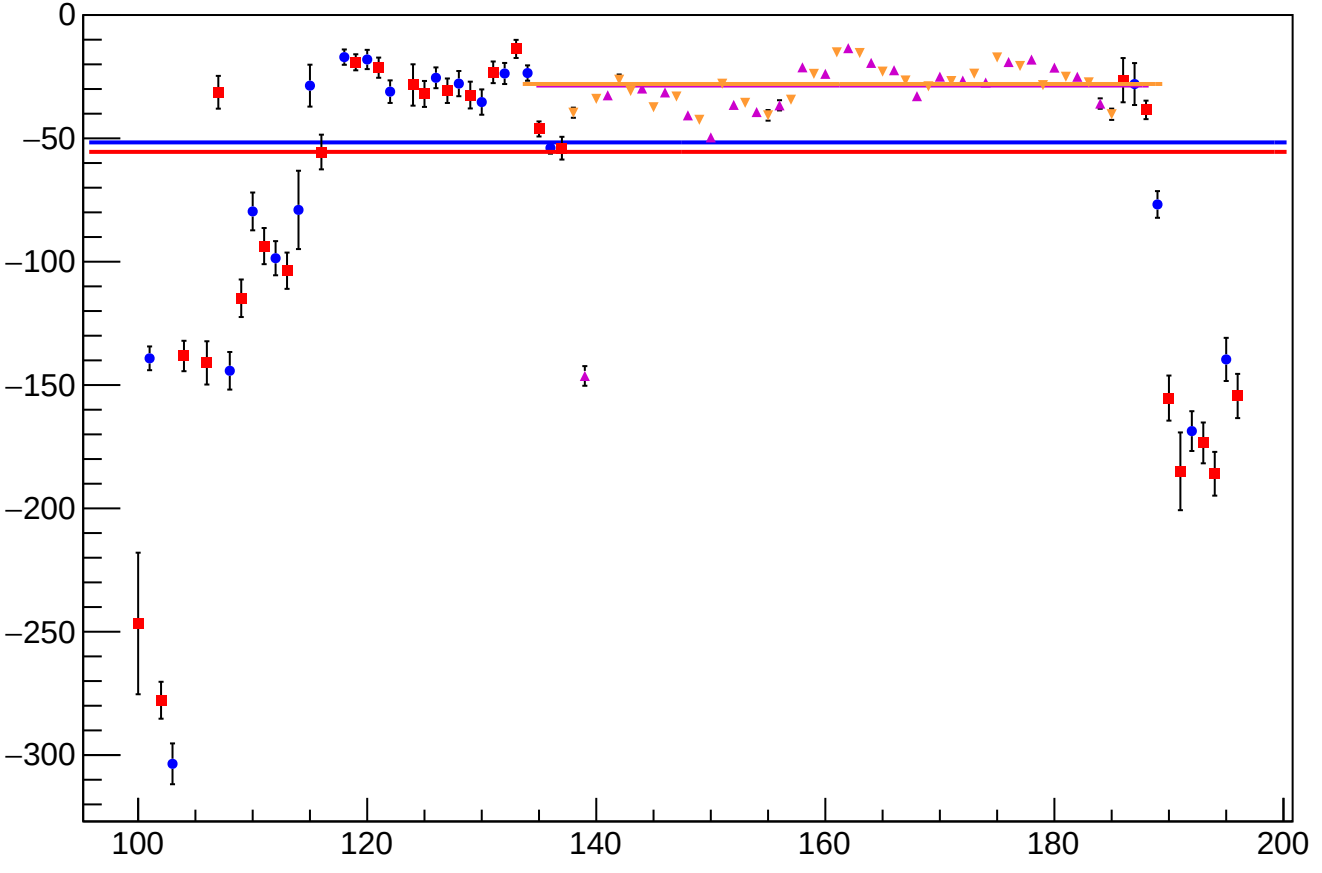
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.357+/-0.374 χ^2/NDF: 1385.2/44

All: -45.662+/-0.269 χ^2/NDF: 3356.8/93

- sign -44.924+/-0.386 χ^2/NDF: 1964.5/48

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -51.641+/-1.053 χ^2/NDF: 2229.4/19

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -55.480+/-1.082 χ^2/NDF: 2565.8/25

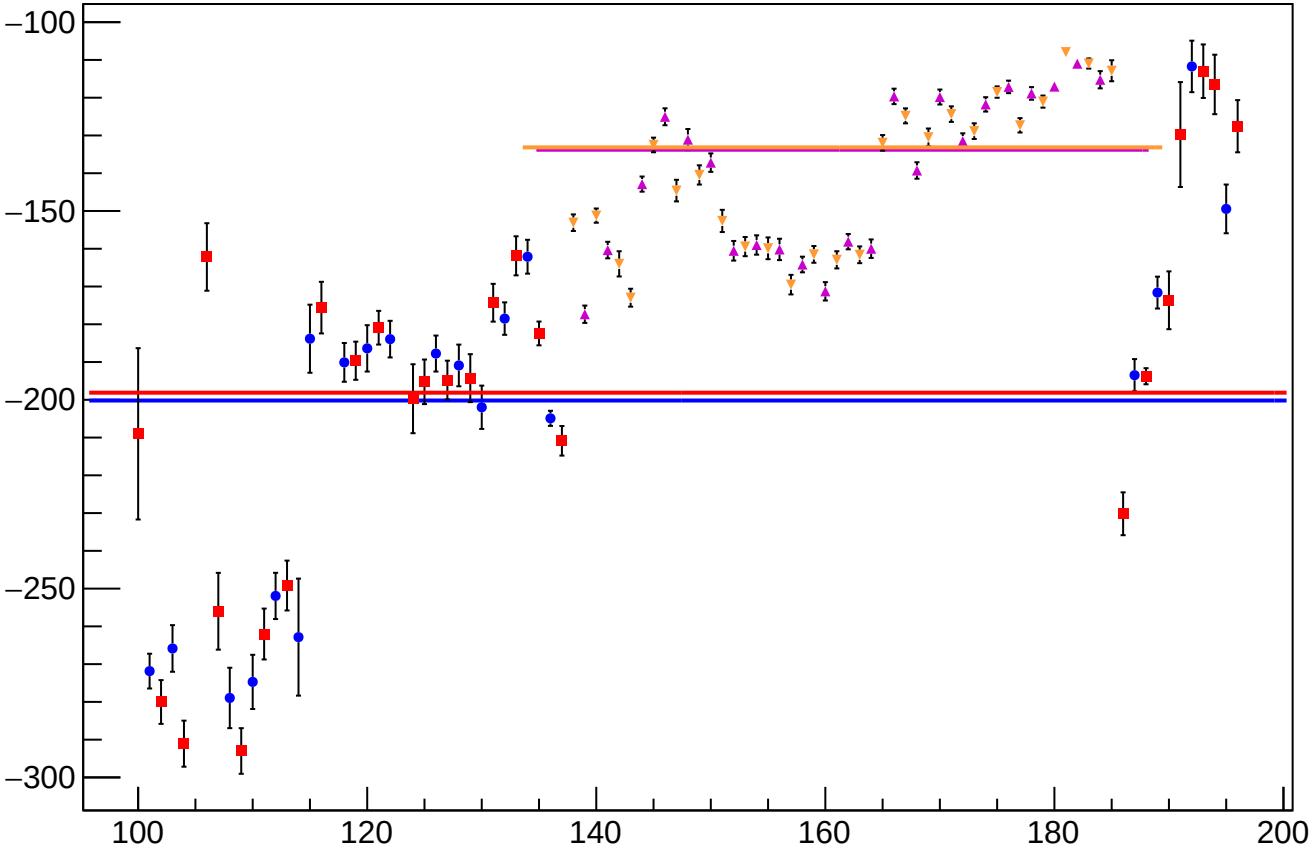
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -29.971+/-0.307 χ^2/NDF: 3189.7/44

All: -30.432+/-0.221 χ^2/NDF: 7805.1/93

\- sign -30.928+/-0.319 χ^2/NDF: 4610.7/48

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -200.191+/-1.068 χ^2/NDF: 1063.1/19

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -198.117+/-1.031 χ^2/NDF: 1440.8/25

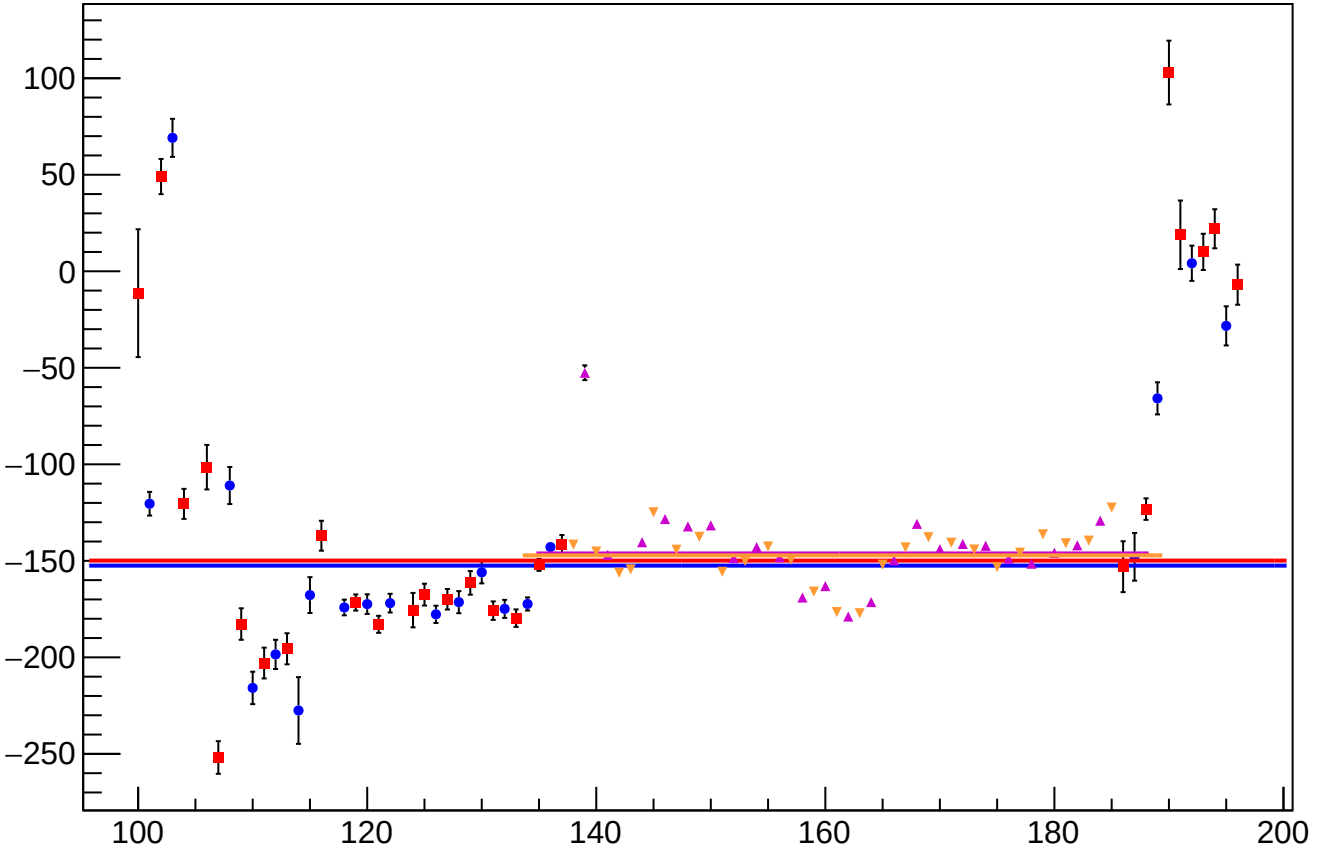
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.508+/-0.377 χ^2/NDF: 7043.1/44

All: -142.152+/-0.270 χ^2/NDF: 14279.9/93

- sign -142.828+/-0.387 χ^2/NDF: 7230.8/48

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -152.481+/-1.188 χ^2/NDF: 1398.2/19

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -149.871+/-1.245 χ^2/NDF: 2078.4/25

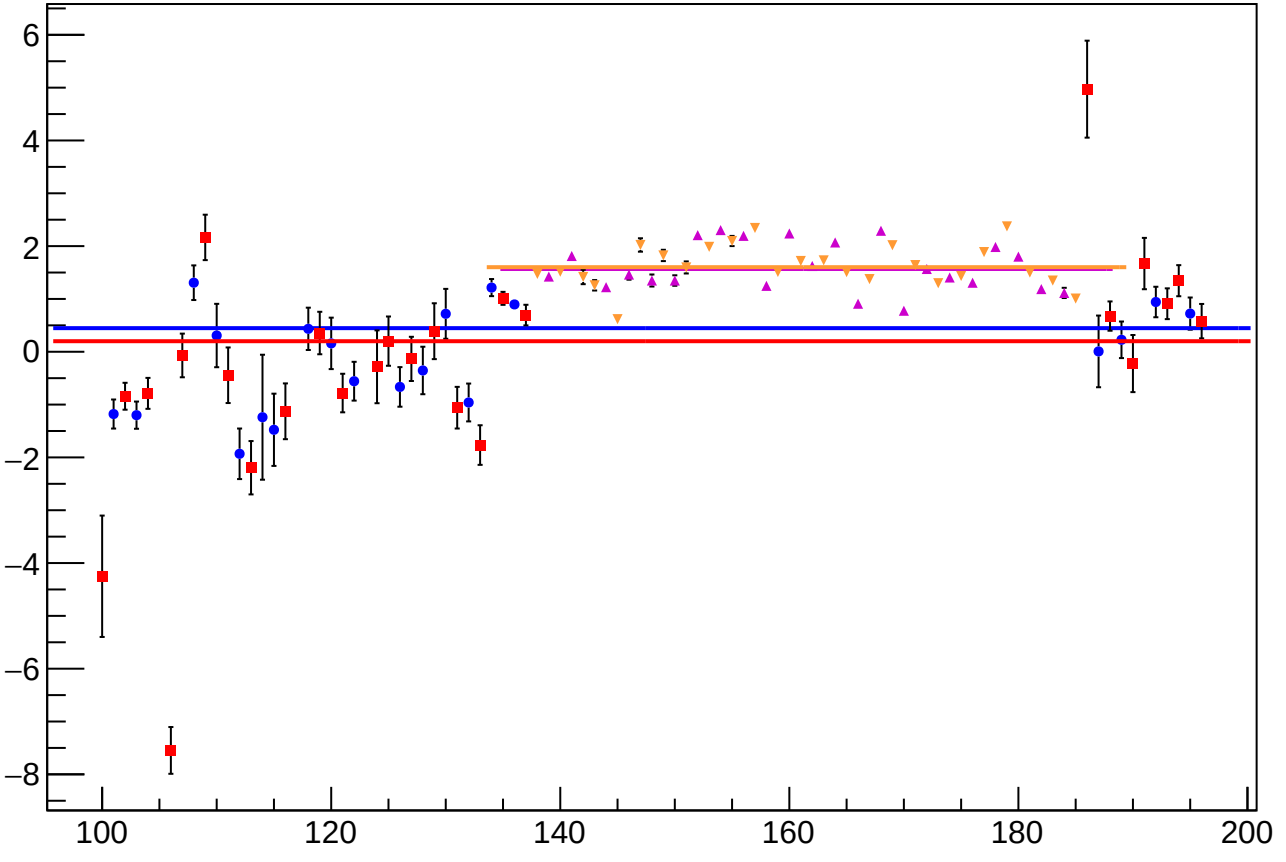
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.609+/-0.343 χ^2/NDF: 2662.1/44

All: -147.062+/-0.247 χ^2/NDF: 6547.7/93

- sign -146.474+/-0.355 χ^2/NDF: 3880.3/48

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.447+/-0.061 χ^2/NDF: 202.3/19

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.200+/-0.064 χ^2/NDF: 559.5/25

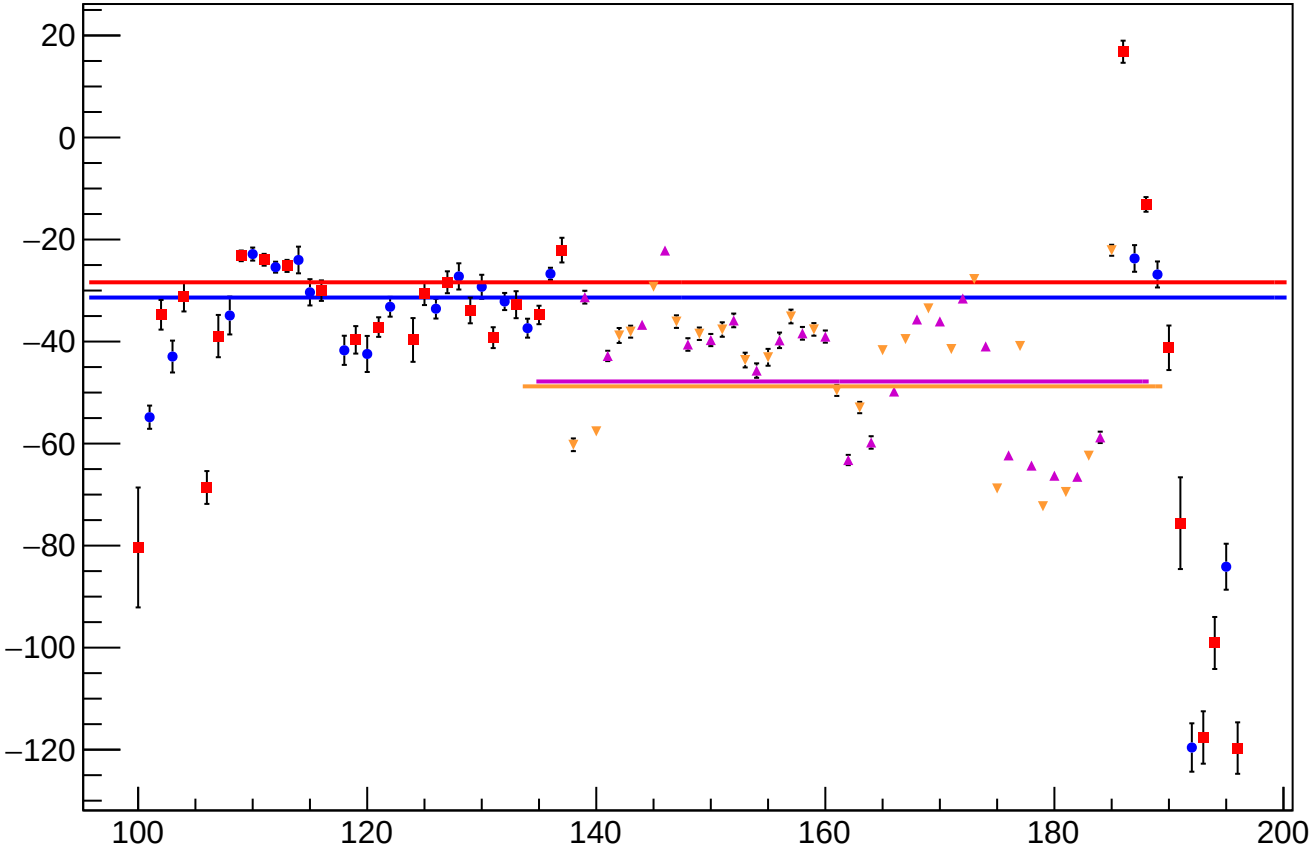
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.526+/-0.015 χ^2/NDF: 1122.0/44

All: 1.505+/-0.011 χ^2/NDF: 2851.9/93

- sign 1.483+/-0.016 χ^2/NDF: 1726.0/48

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -31.371+/-0.449 χ^2/NDF: 753.2/19

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -28.386+/-0.415 χ^2/NDF: 1741.9/25

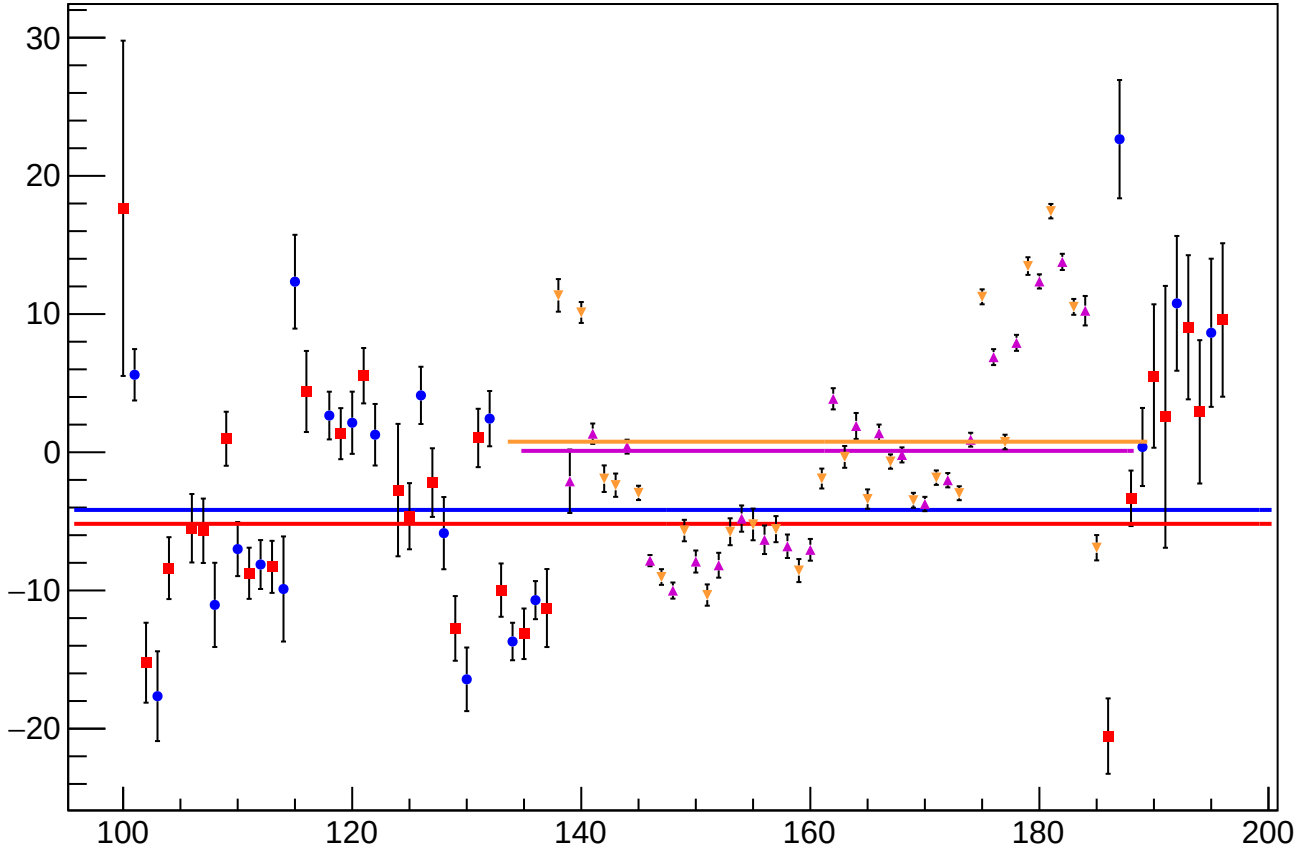
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.671+/-0.156 χ^2/NDF: 11029.2/44

All: -45.856+/-0.111 χ^2/NDF: 21926.7/93

- sign -45.031+/-0.157 χ^2/NDF: 10842.8/48

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.172+/-0.493 χ^2/NDF: 296.9/19

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.179+/-0.489 χ^2/NDF: 190.9/25

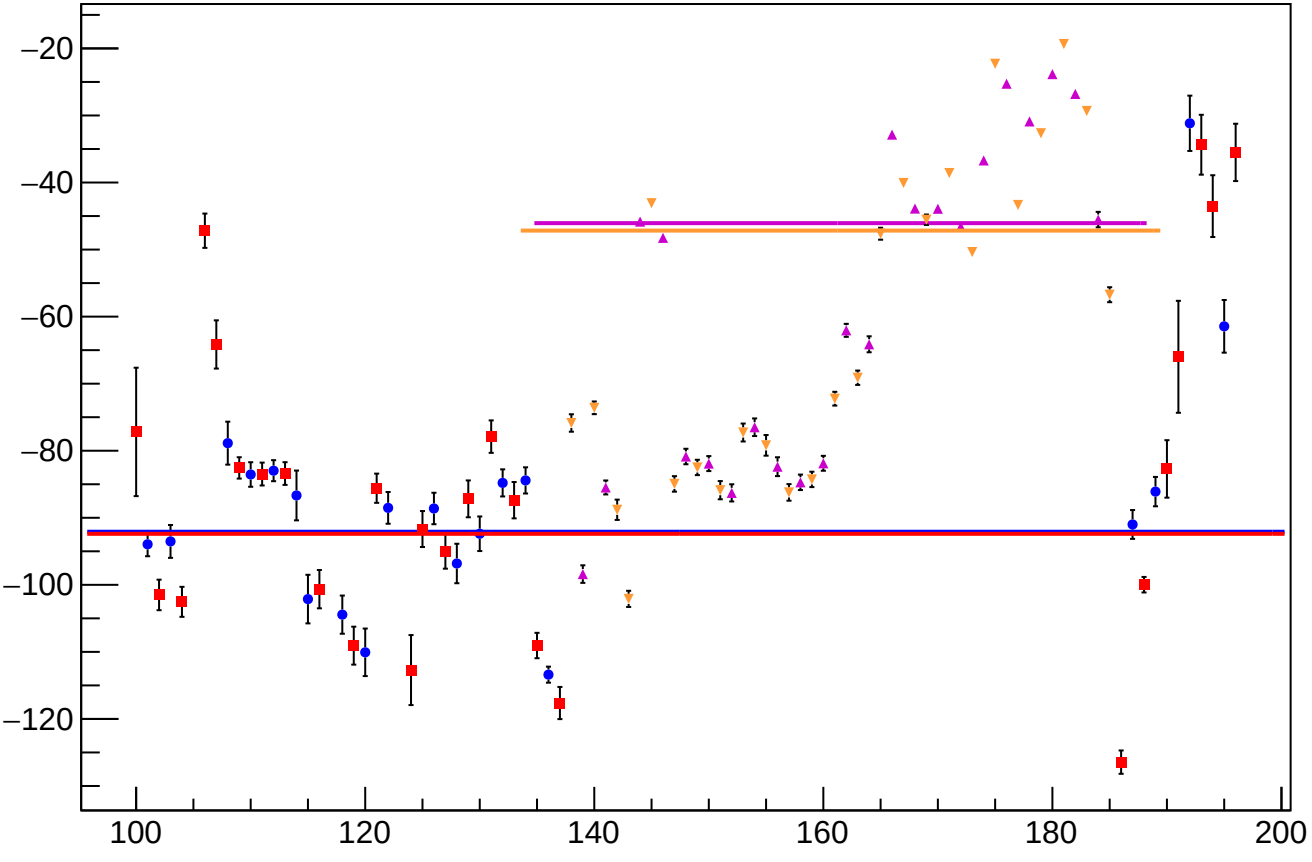
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.434+/-0.128 χ^2/NDF: 3857.5/44

All: 0.087+/-0.091 χ^2/NDF: 6893.6/93

- sign -0.262+/-0.128 χ^2/NDF: 3021.3/48

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -92.082+/-0.499 χ^2/NDF: 768.0/19

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -92.390+/-0.462 χ^2/NDF: 1706.2/25

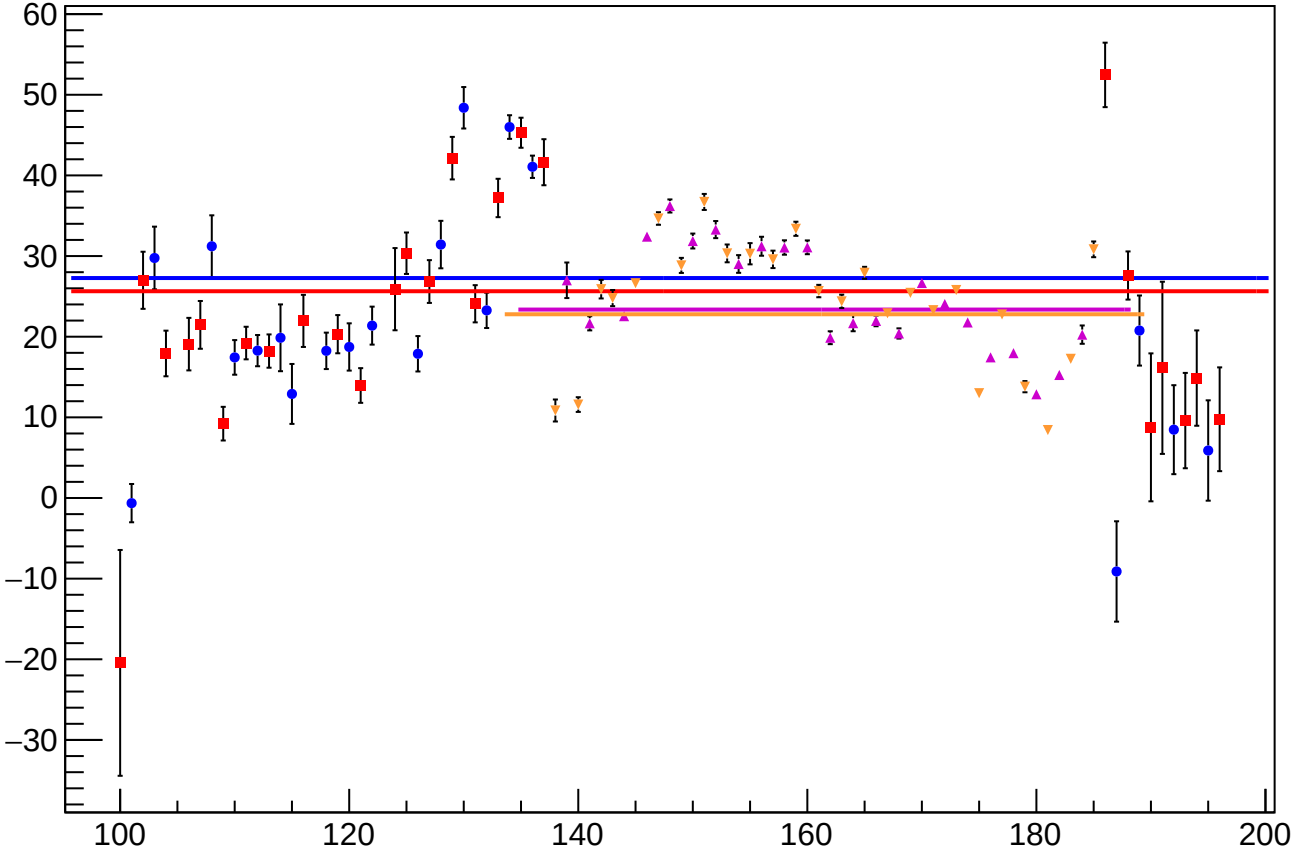
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.718+/-0.159 χ^2/NDF: 25707.4/44

All: -51.657+/-0.113 χ^2/NDF: 51045.3/93

- sign -51.596+/-0.160 χ^2/NDF: 25337.6/48

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.274+/-0.557 χ^2/NDF: 644.9/19

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.638+/-0.564 χ^2/NDF: 421.1/25

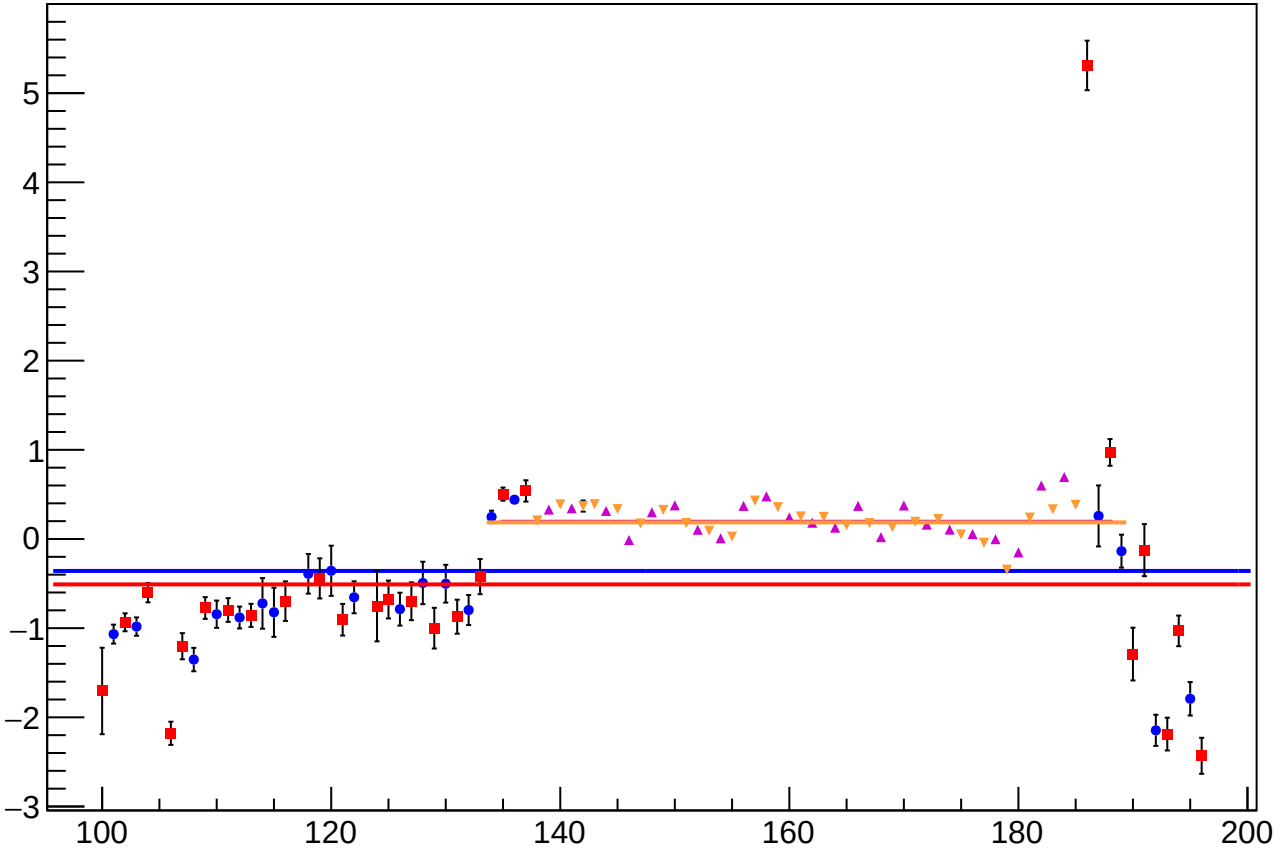
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.076+/-0.142 χ^2/NDF: 3118.7/44

All: 23.293+/-0.101 χ^2/NDF: 5345.1/93

- sign 23.514+/-0.144 χ^2/NDF: 2221.7/48

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.358+/-0.029 χ^2/NDF: 630.7/19

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.509+/-0.030 χ^2/NDF: 1240.1/25

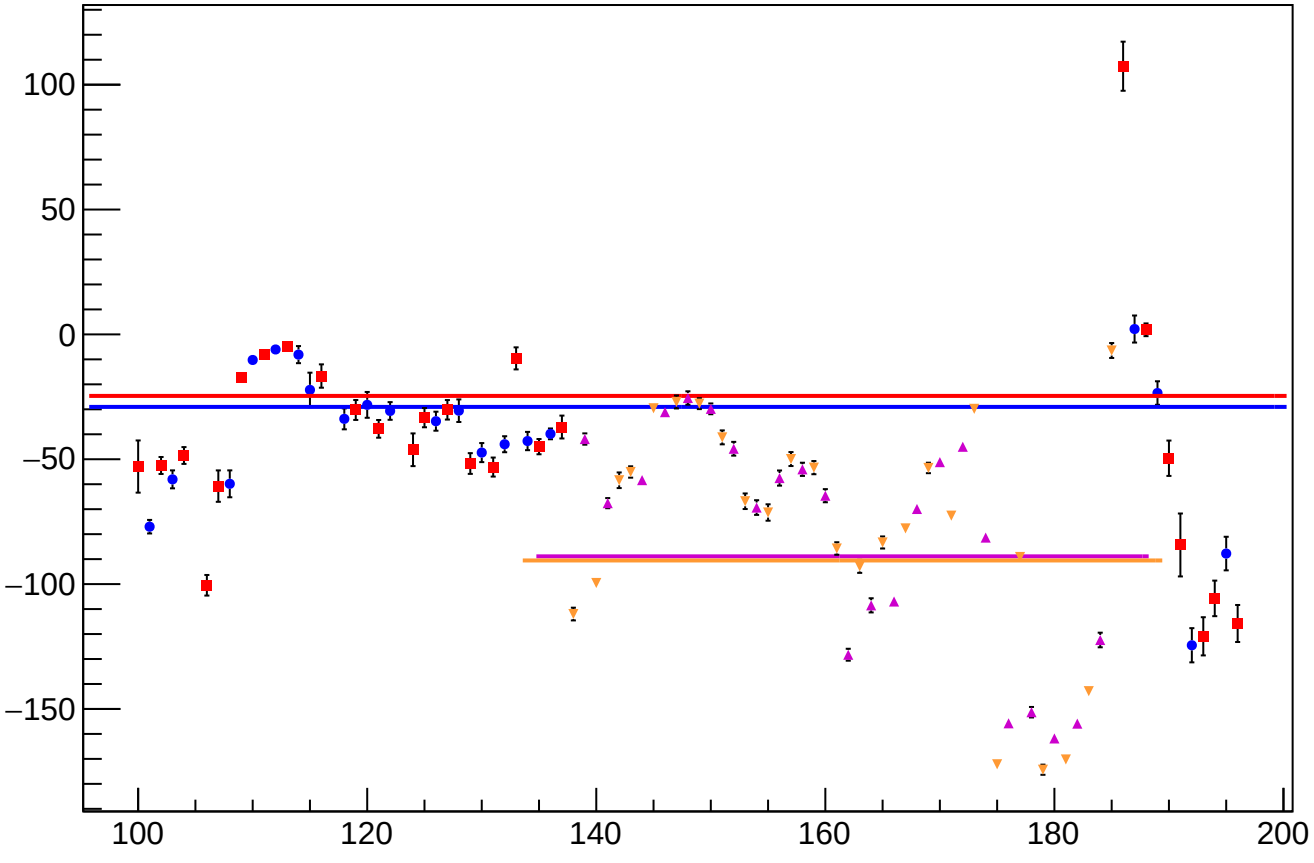
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.160+/-0.006 χ^2/NDF: 1605.1/44

All: 0.160+/-0.005 χ^2/NDF: 4298.7/93

- sign 0.161+/-0.007 χ^2/NDF: 2693.6/48

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -29.037+/-0.705 χ^2/NDF: 1201.9/19

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -24.636+/-0.630 χ^2/NDF: 1752.0/25

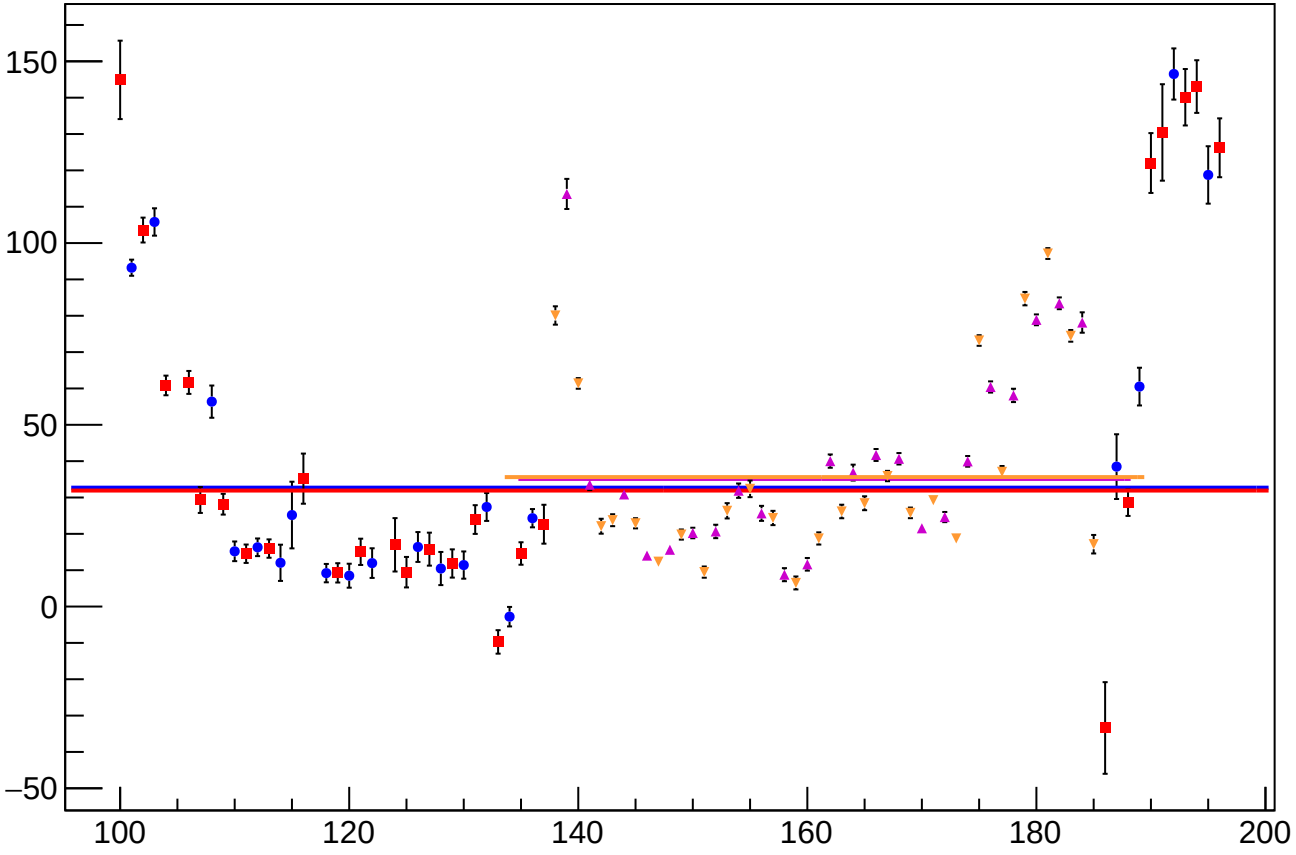
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.354+/-0.362 χ^2/NDF: 22166.7/44

All: -71.227+/-0.254 χ^2/NDF: 42933.9/93

- sign -68.168+/-0.358 χ^2/NDF: 20619.3/48

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 32.708+/-0.785 χ^2/NDF: 2089.6/19

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 31.914+/-0.761 χ^2/NDF: 1980.4/25

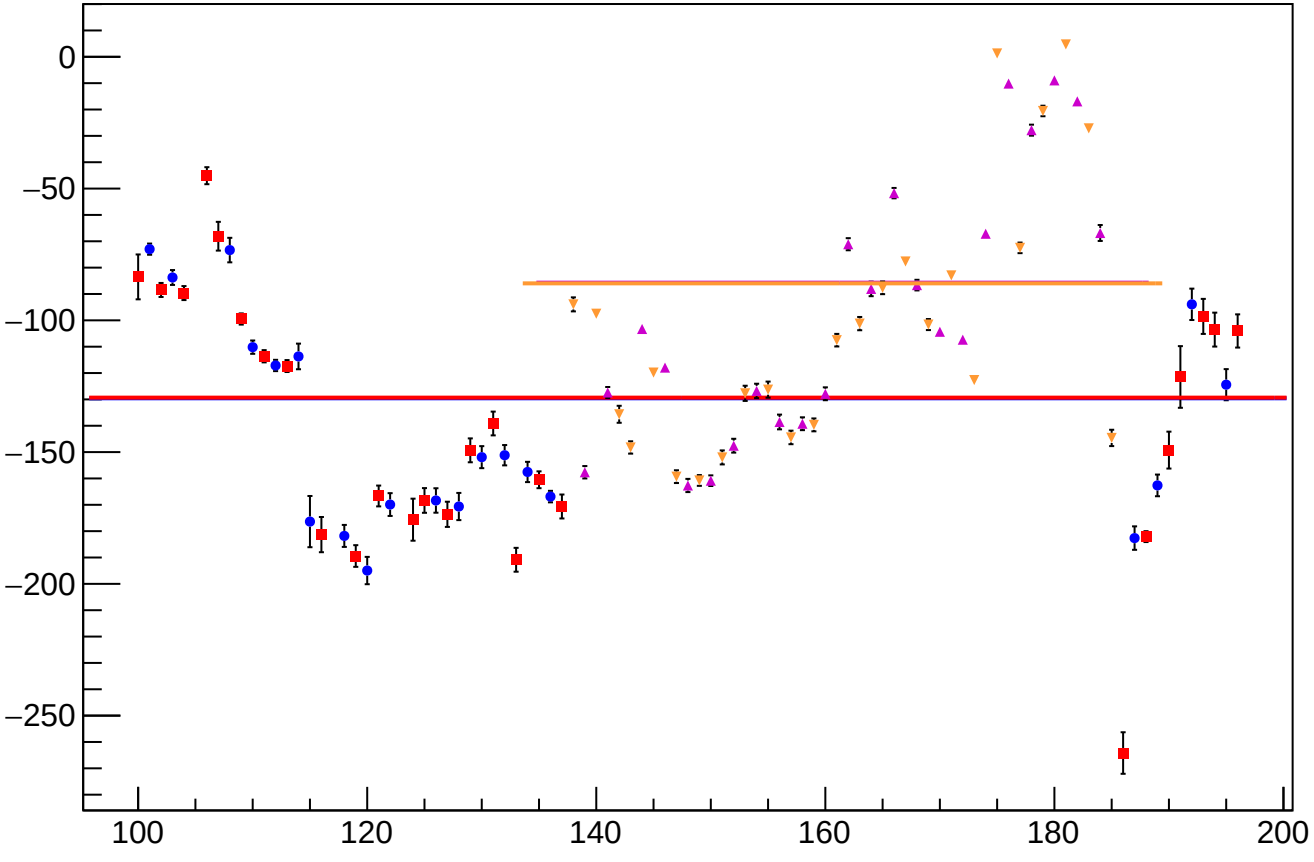
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.186+/-0.301 χ^2/NDF: 8074.3/44

All: 34.894+/-0.215 χ^2/NDF: 14215.8/93

- sign 34.589+/-0.308 χ^2/NDF: 6139.6/48

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.581+/-0.786 χ^2/NDF: 2429.6/19

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -129.333+/-0.721 χ^2/NDF: 3513.0/25

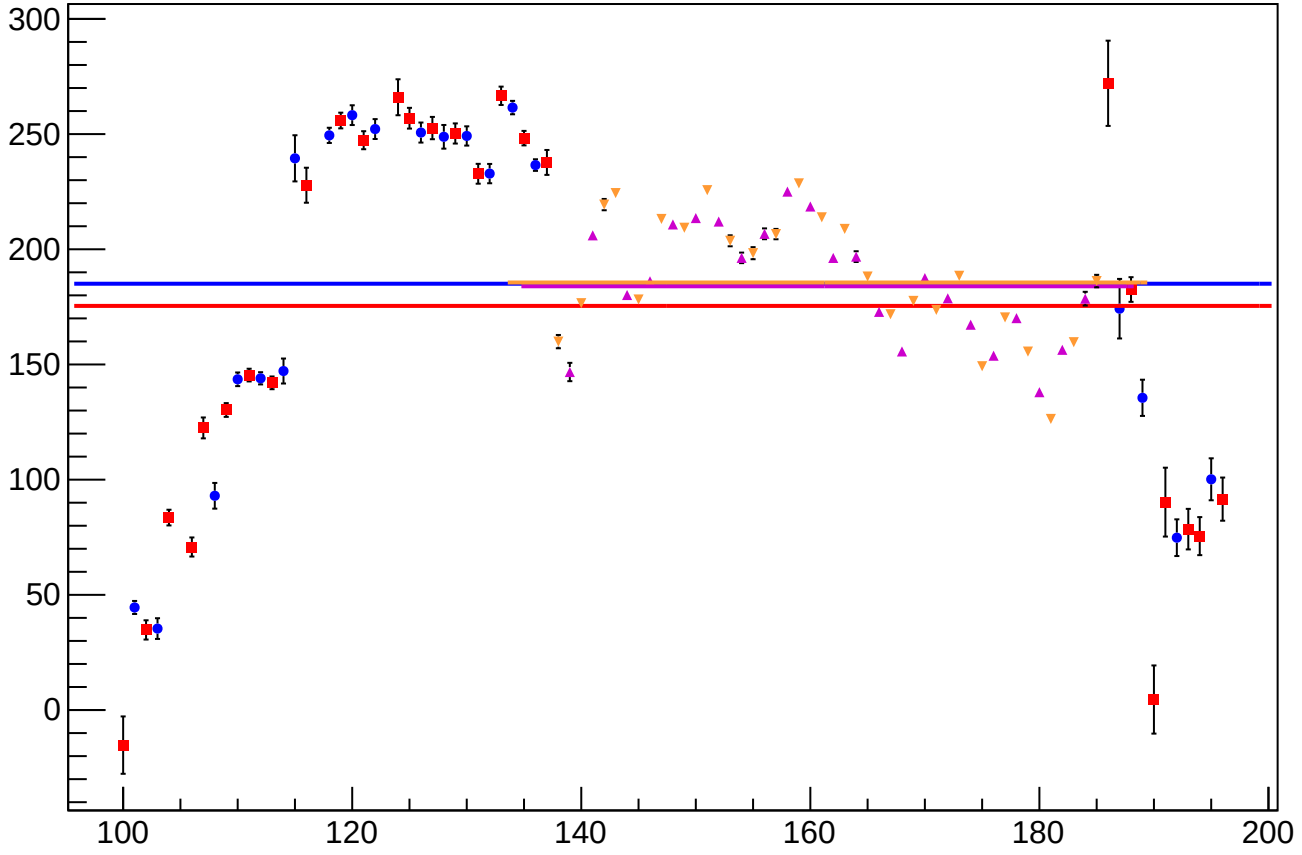
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.692+/-0.371 χ^2/NDF: 21056.7/44

All: -96.468+/-0.262 χ^2/NDF: 41028.5/93

- sign -97.243+/-0.371 χ^2/NDF: 19963.1/48

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 185.050+/-0.899 χ^2/NDF: 7448.5/19

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 175.422+/-0.878 χ^2/NDF: 7226.8/25

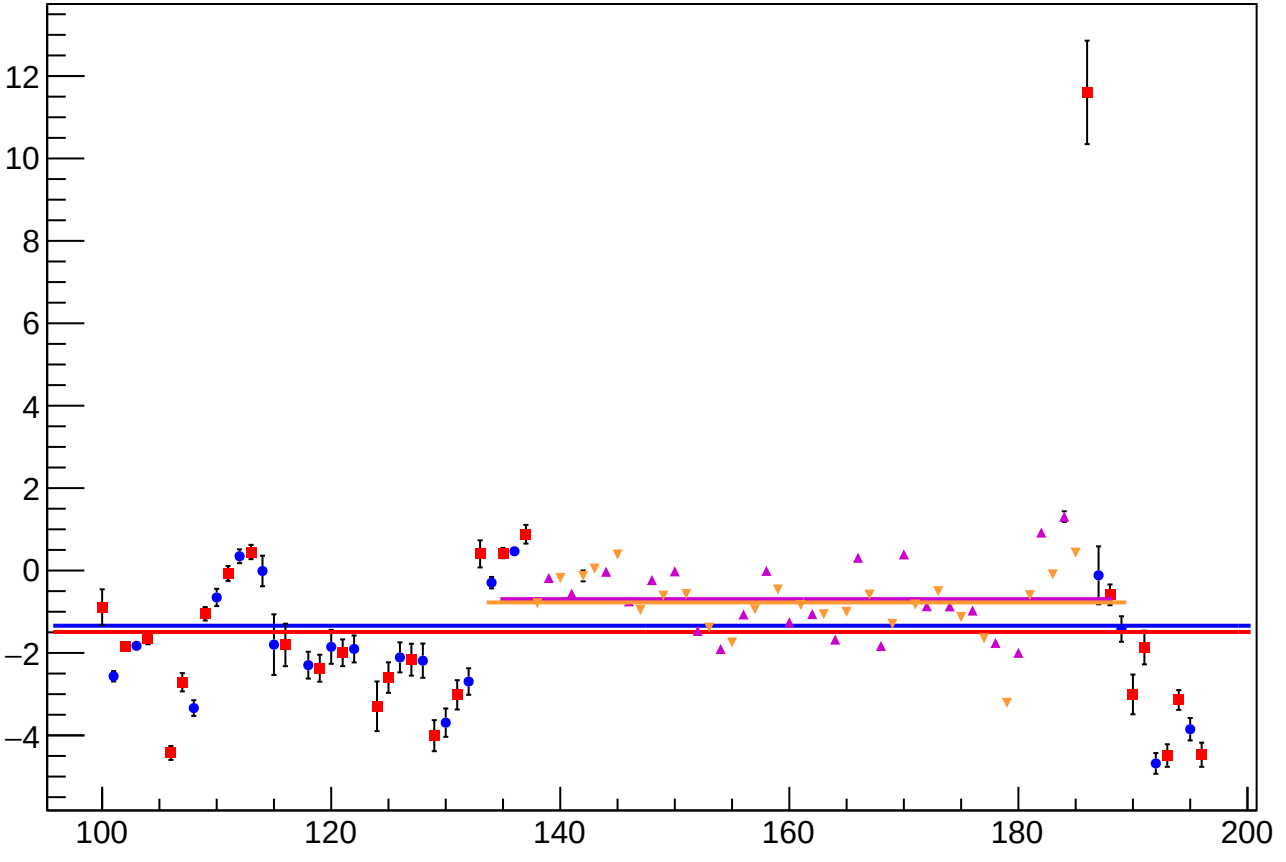
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.507+/-0.340 χ^2/NDF: 12803.5/44

All: 184.089+/-0.243 χ^2/NDF: 24018.9/93

- sign 182.609+/-0.347 χ^2/NDF: 11179.8/48

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.340+/-0.046 χ^2/NDF: 1067.9/19

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.491+/-0.044 χ^2/NDF: 1419.1/25

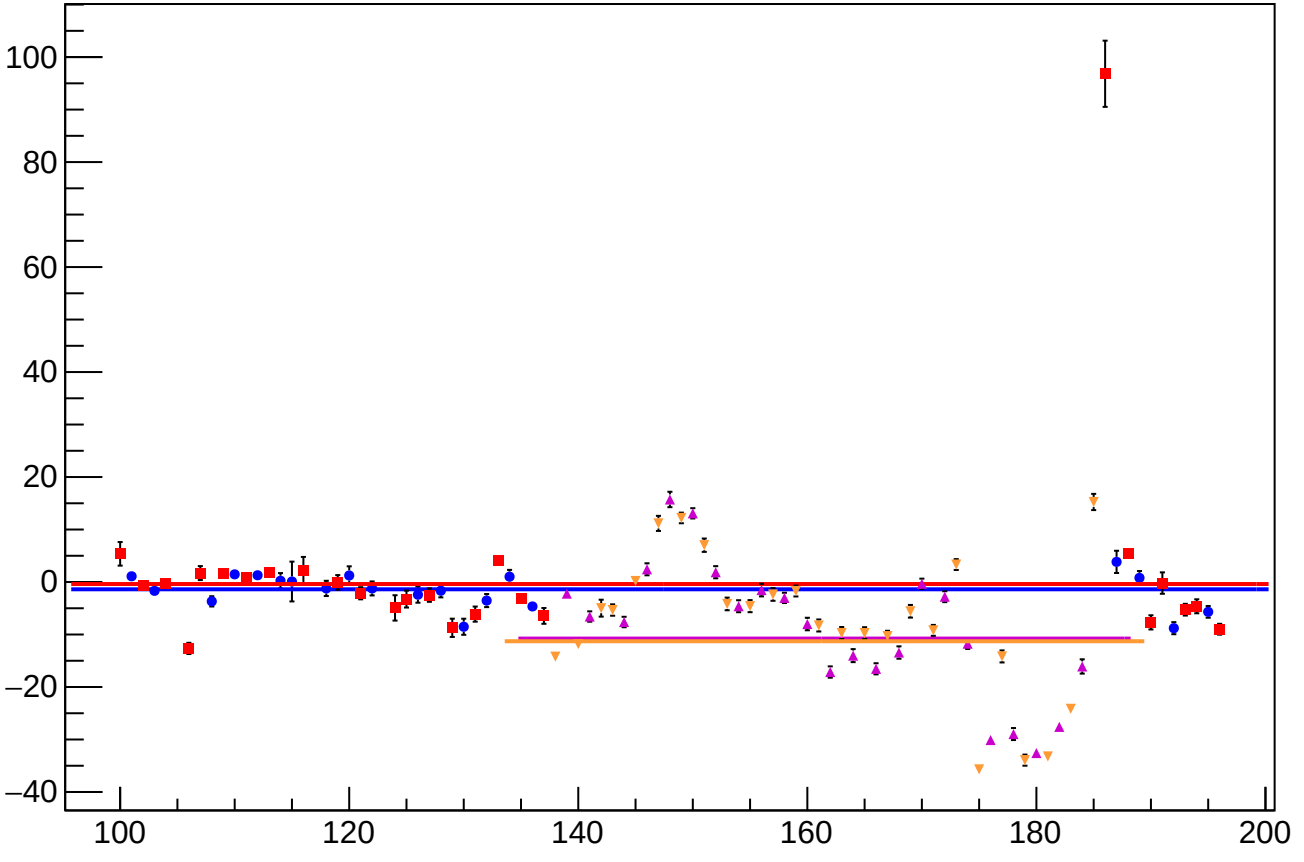
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.838+/-0.015 χ^2/NDF: 3025.6/44

All: -0.817+/-0.011 χ^2/NDF: 7299.3/93

- sign -0.794+/-0.016 χ^2/NDF: 4269.7/48

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.387+/-0.236 χ^2/NDF: 171.2/19

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.385+/-0.197 χ^2/NDF: 737.3/25

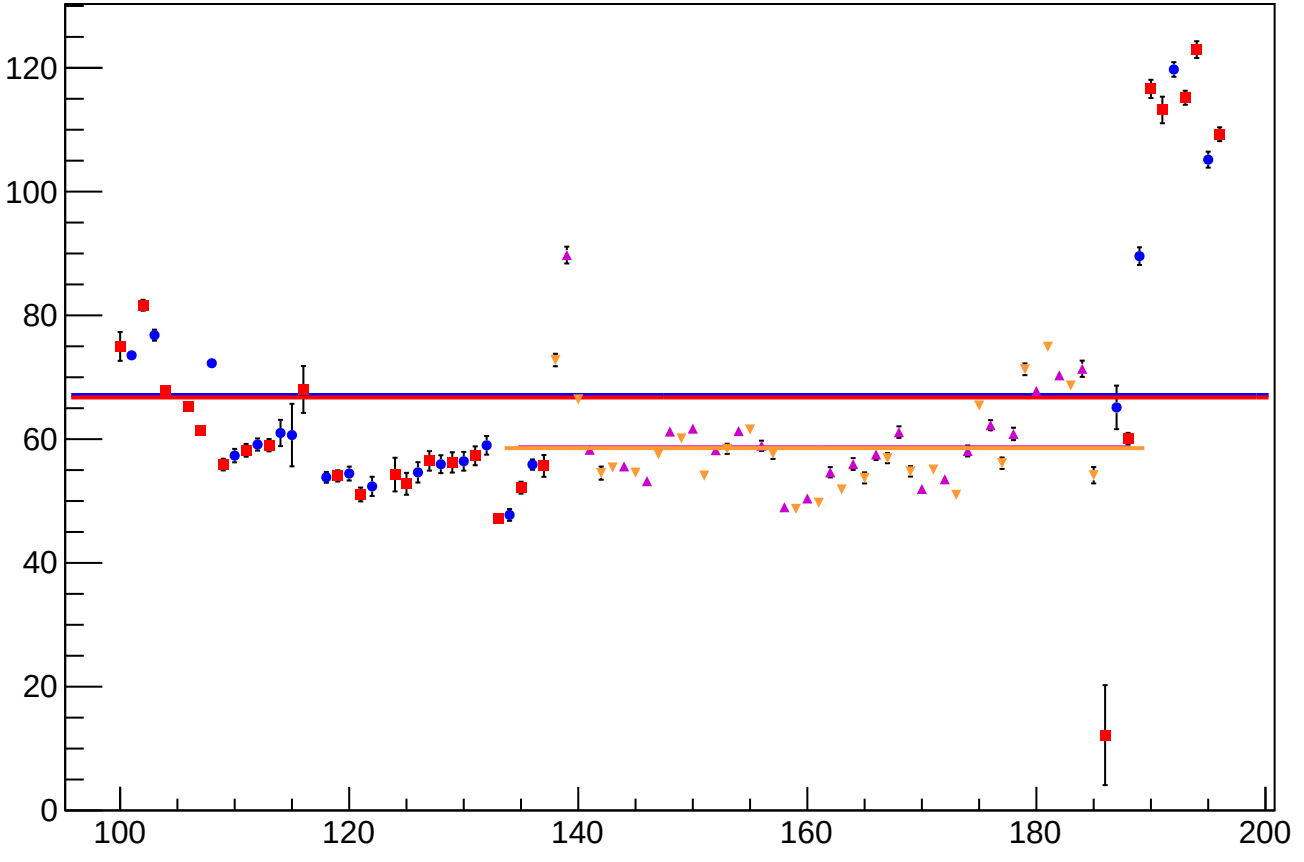
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.955+/-0.156 χ^2/NDF: 5661.7/44

All: -5.997+/-0.106 χ^2/NDF: 11447.8/93

- sign -5.171+/-0.145 χ^2/NDF: 5715.8/48

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 67.128+/-0.249 χ^2/NDF: 4765.8/19

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 66.735+/-0.219 χ^2/NDF: 9068.1/25

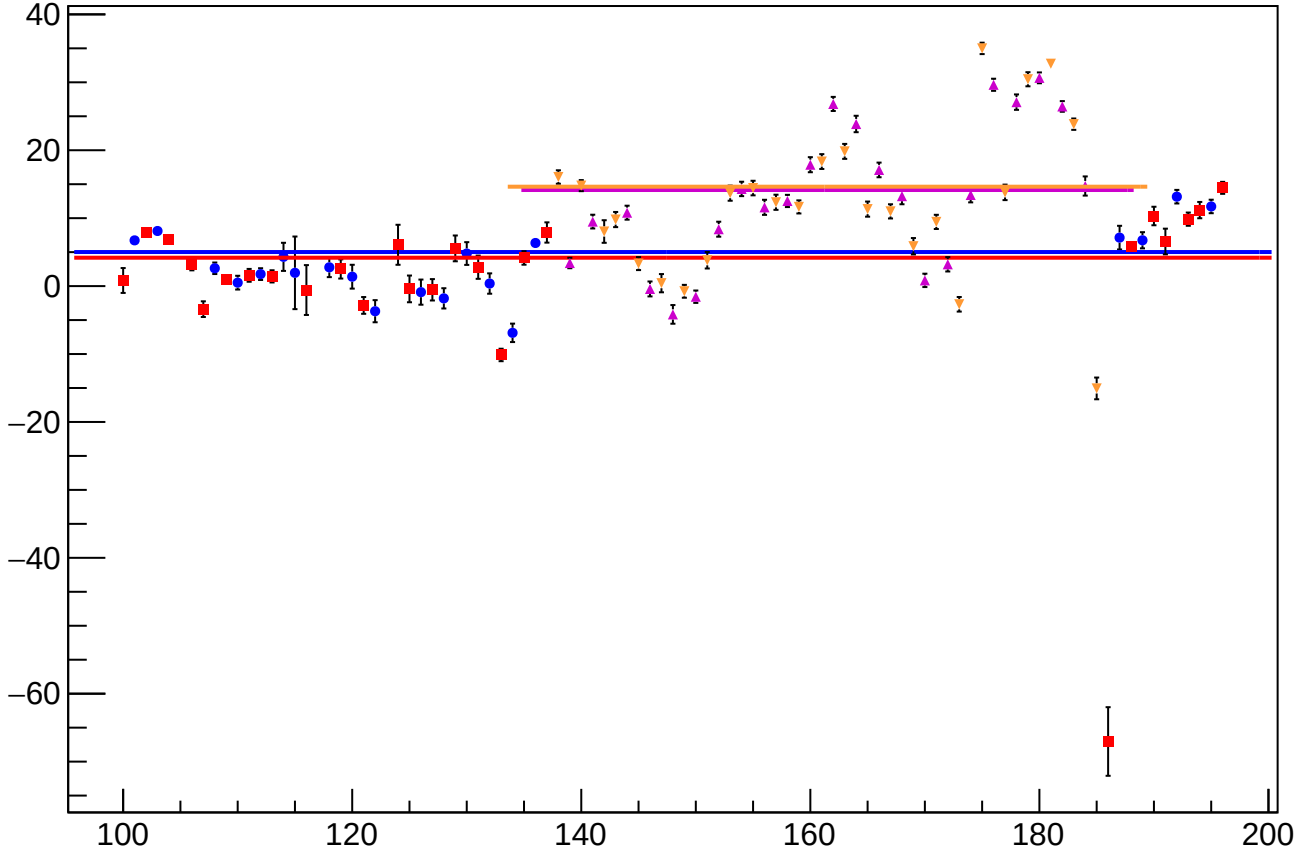
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 61.078+/-0.135 χ^2/NDF: 7503.4/44

All: 61.376+/-0.095 χ^2/NDF: 19043.3/93

- sign 61.666+/-0.134 χ^2/NDF: 11530.4/48

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.015+/-0.241 χ^2/NDF: 344.2/19

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.180+/-0.203 χ^2/NDF: 867.8/25

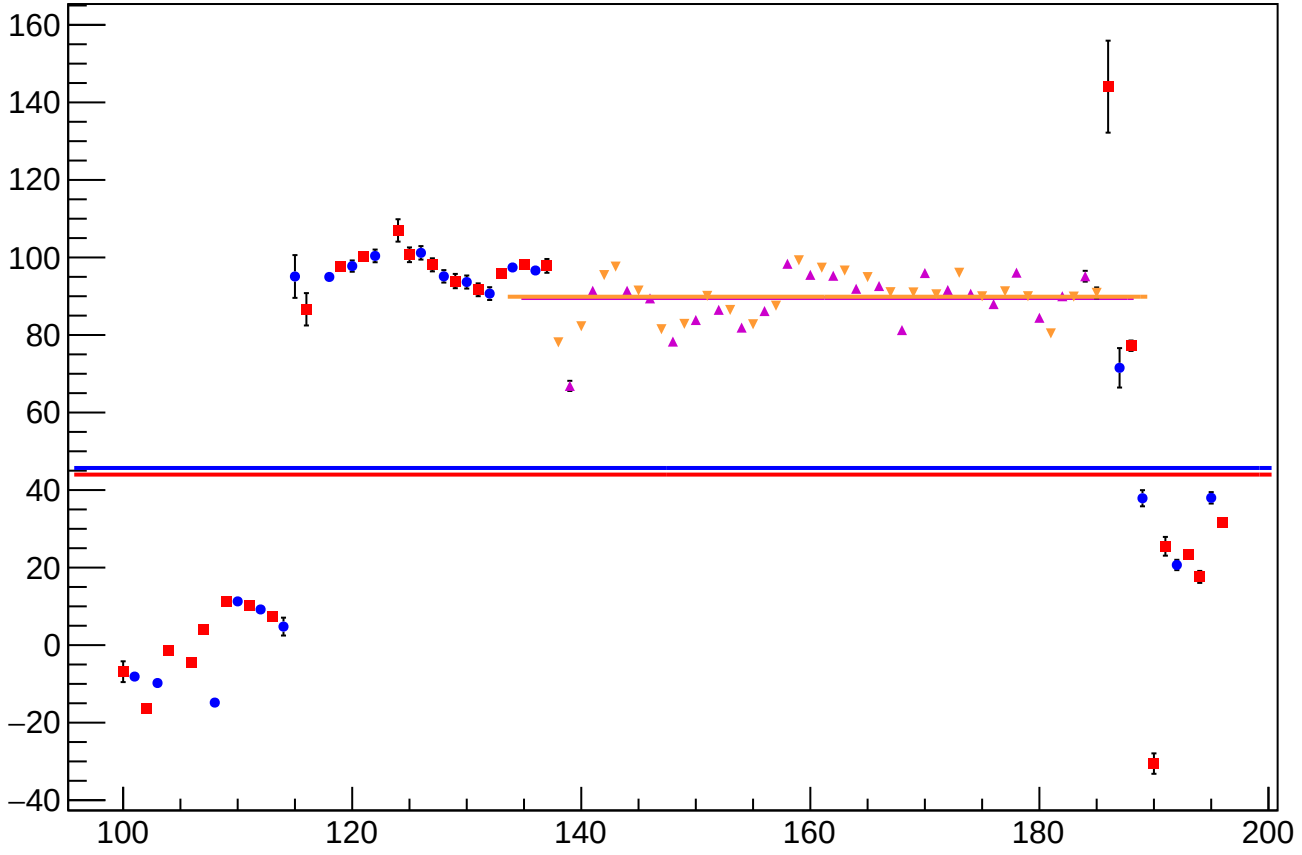
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.552+/-0.157 χ^2/NDF: 4225.5/44

All: 9.699+/-0.107 χ^2/NDF: 8848.5/93

- sign 8.957+/-0.146 χ^2/NDF: 4567.7/48

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 45.698+/-0.291 χ^2/NDF: 27337.8/19

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.989+/-0.259 χ^2/NDF: 31132.1/25

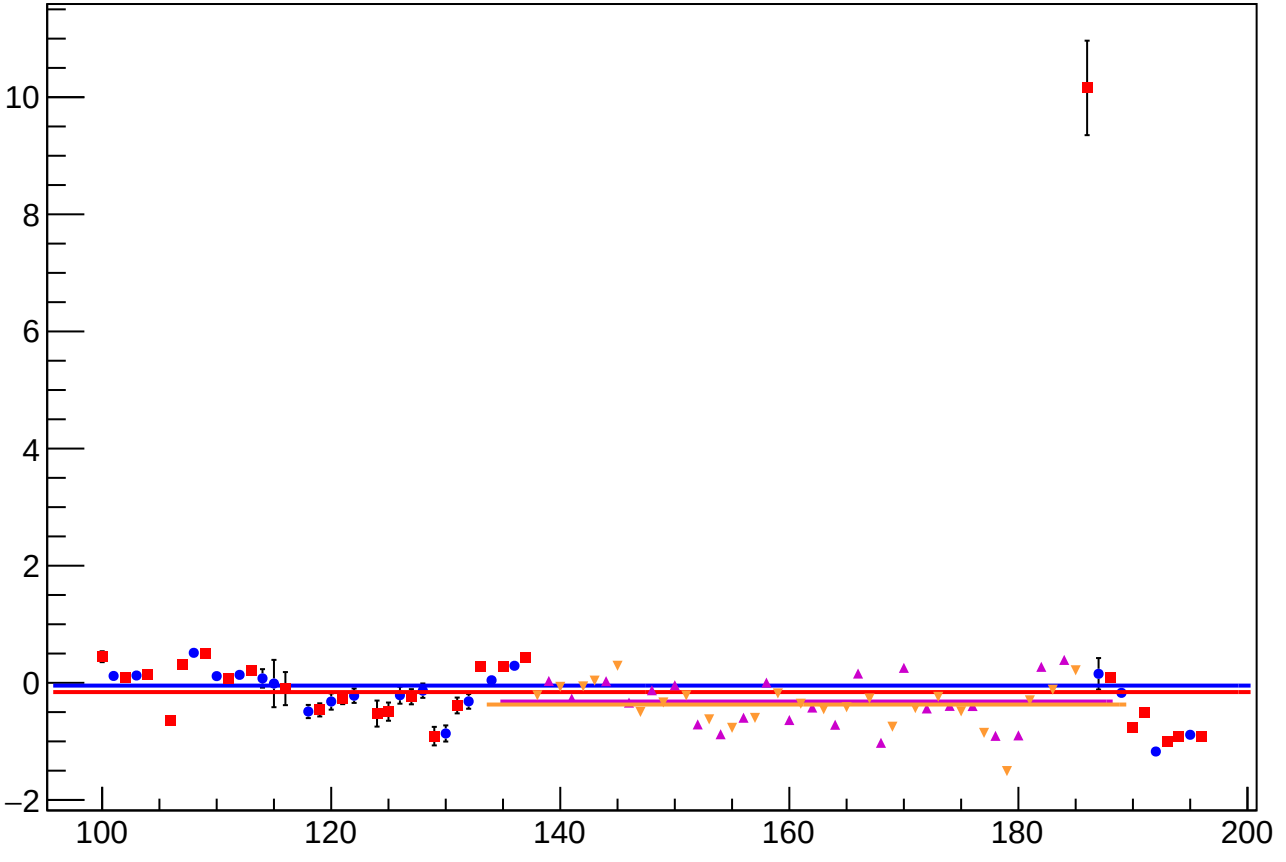
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 77.535+/-0.154 χ^2/NDF: 45038.7/44

All: 75.700+/-0.108 χ^2/NDF: 97802.2/93

- sign 73.904+/-0.152 χ^2/NDF: 52481.3/48

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.047+/-0.013 χ^2/NDF: 1593.8/19

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.158+/-0.011 χ^2/NDF: 2264.3/25

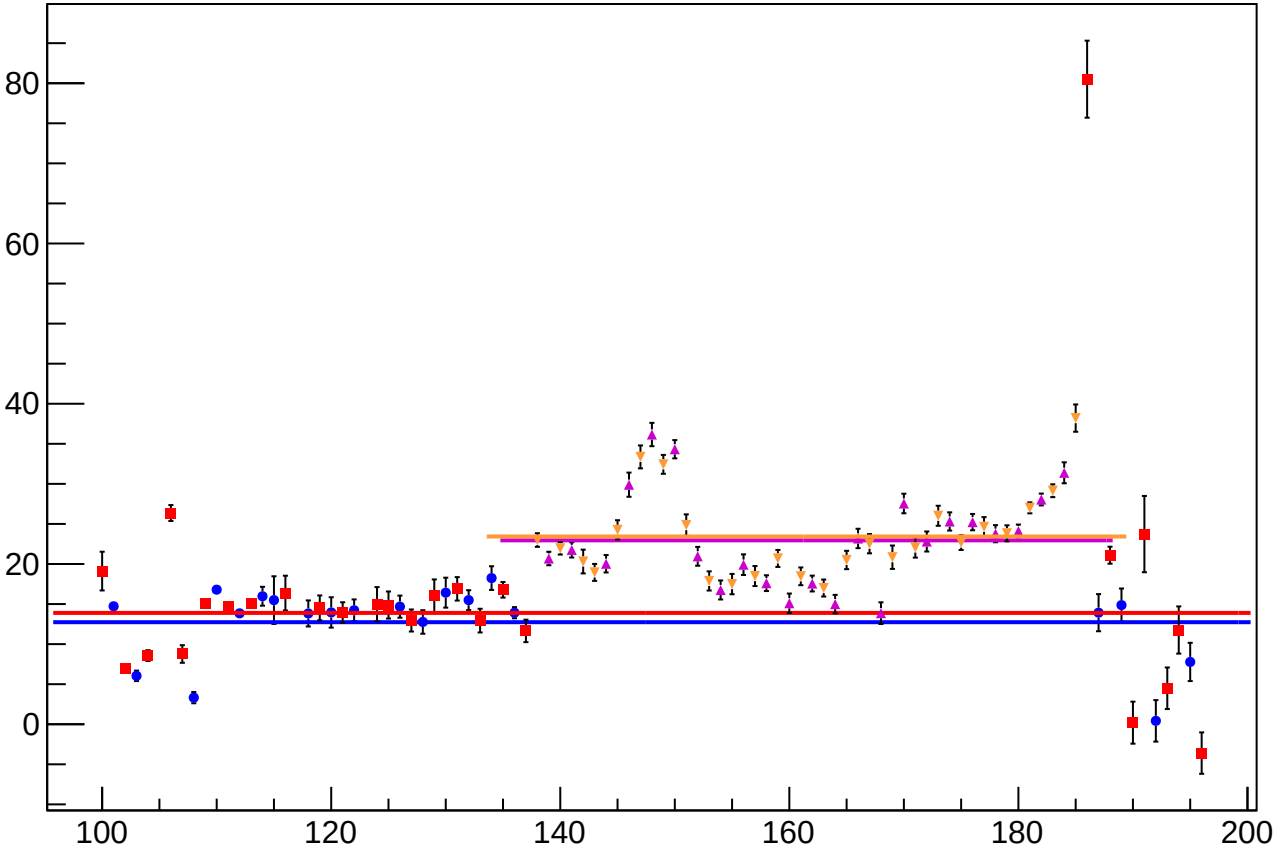
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.277+/-0.007 χ^2/NDF: 3831.6/44

All: -0.271+/-0.005 χ^2/NDF: 8674.8/93

- sign -0.264+/-0.007 χ^2/NDF: 4841.2/48

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.736+/-0.210 χ^2/NDF: 416.4/19

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.895+/-0.198 χ^2/NDF: 733.9/25

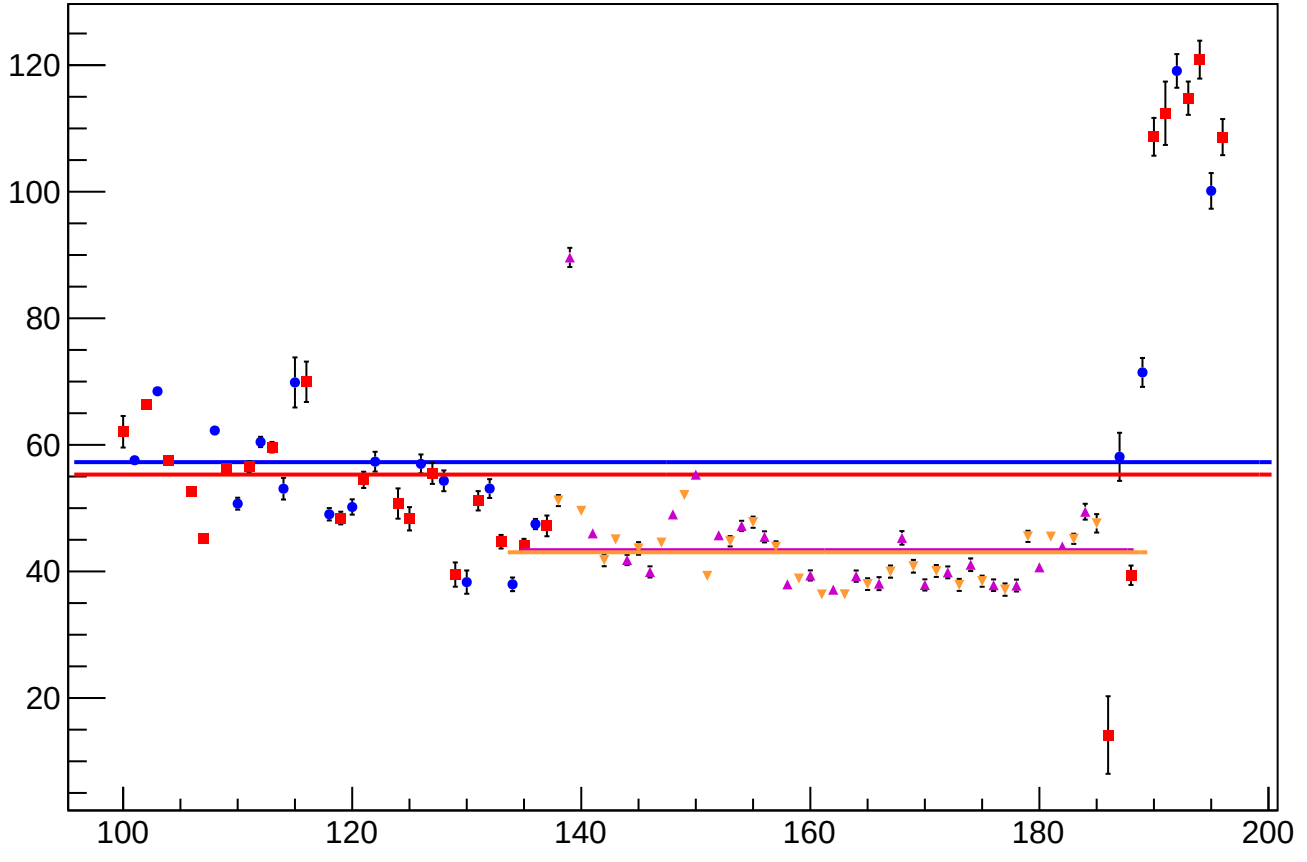
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.949+/-0.151 χ^2/NDF: 2102.6/44

All: 17.892+/-0.106 χ^2/NDF: 4313.4/93

- sign 17.836+/-0.149 χ^2/NDF: 2210.5/48

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.270+/-0.219 χ^2/NDF: 1911.6/19

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.306+/-0.219 χ^2/NDF: 2973.6/25

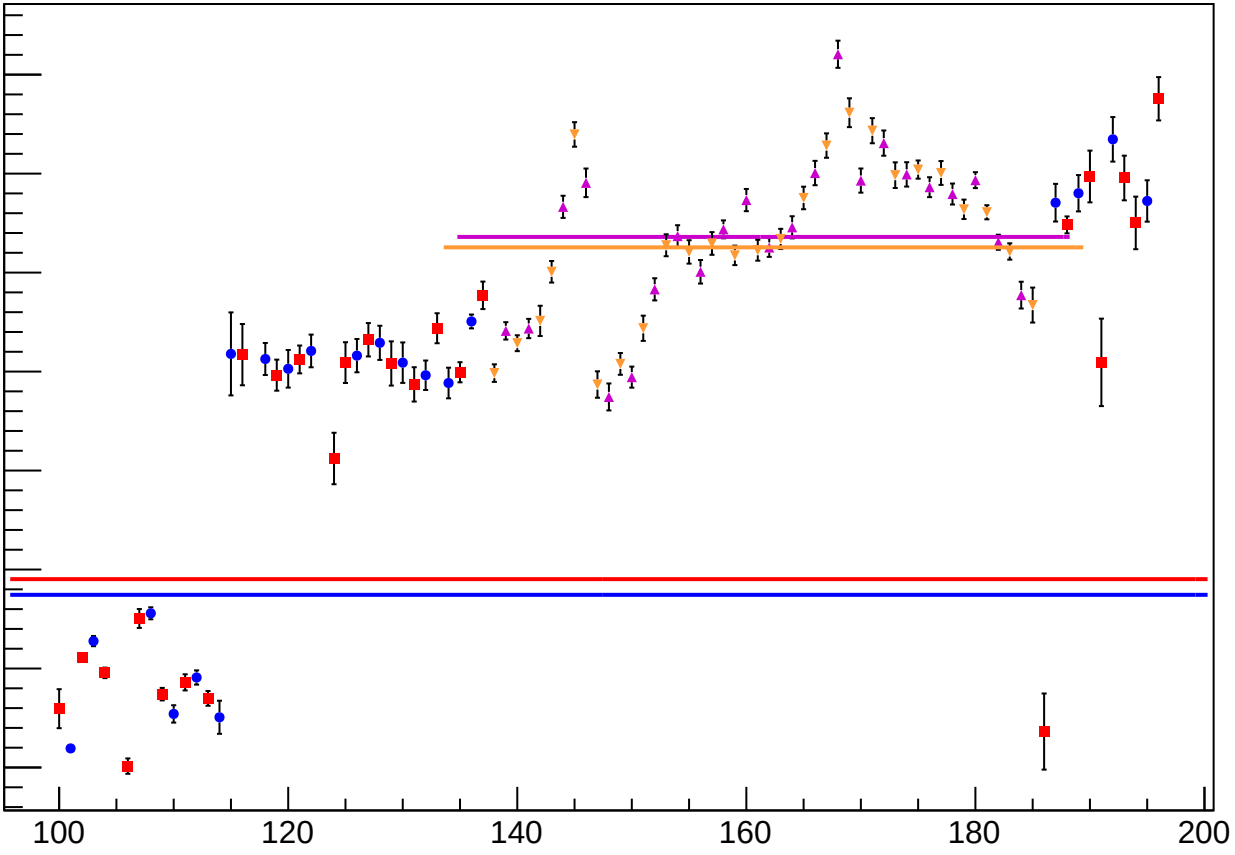
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.277+/-0.133 χ^2/NDF: 5362.7/44

All: 48.181+/-0.096 χ^2/NDF: 11818.1/93

- sign 48.078+/-0.138 χ^2/NDF: 6454.4/48

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 17.445+/-0.209 χ^2/NDF: 6954.9/19

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.030+/-0.208 χ^2/NDF: 7202.3/25

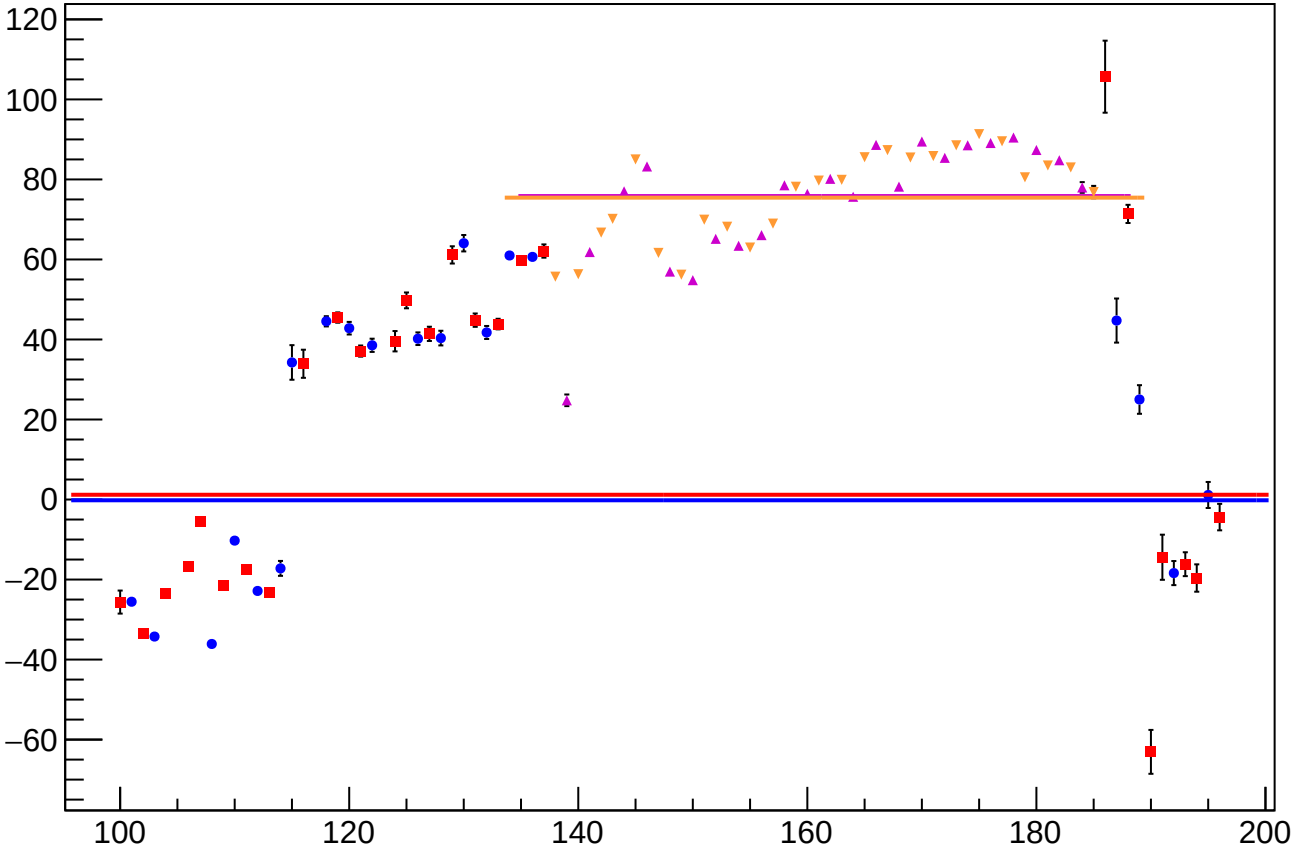
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.557+/-0.150 χ^2/NDF: 21859.0/44

All: 34.855+/-0.107 χ^2/NDF: 42919.0/93

- sign 35.163+/-0.152 χ^2/NDF: 21052.0/48

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.189+/-0.259 χ^2/NDF: 21183.7/19

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.191+/-0.259 χ^2/NDF: 17341.3/25

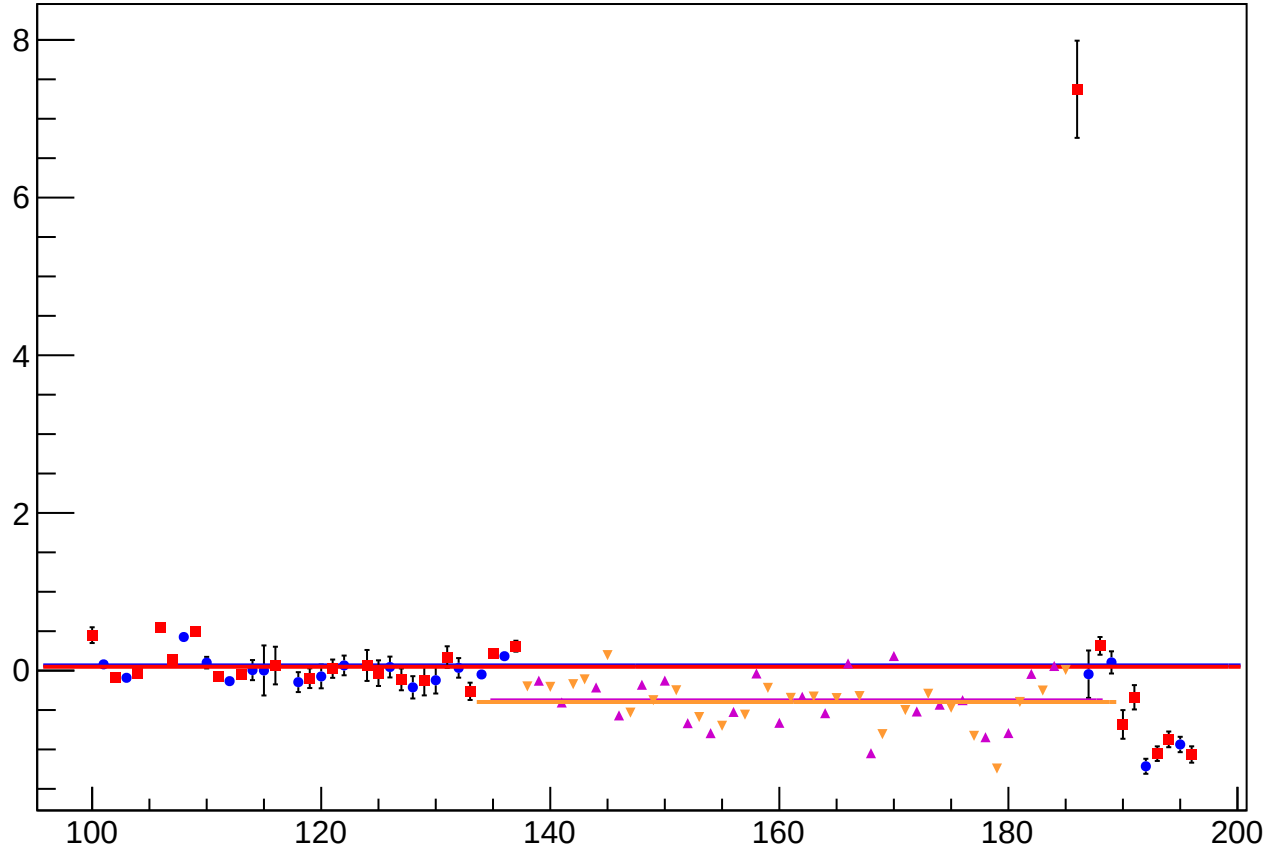
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.236+/-0.152 χ^2/NDF: 80544.9/44

All: 48.824+/-0.109 χ^2/NDF: 154843.8/93

- sign 48.388+/-0.157 χ^2/NDF: 74283.9/48

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.011 χ^2/NDF: 593.5/19

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.049+/-0.011 χ^2/NDF: 924.4/25

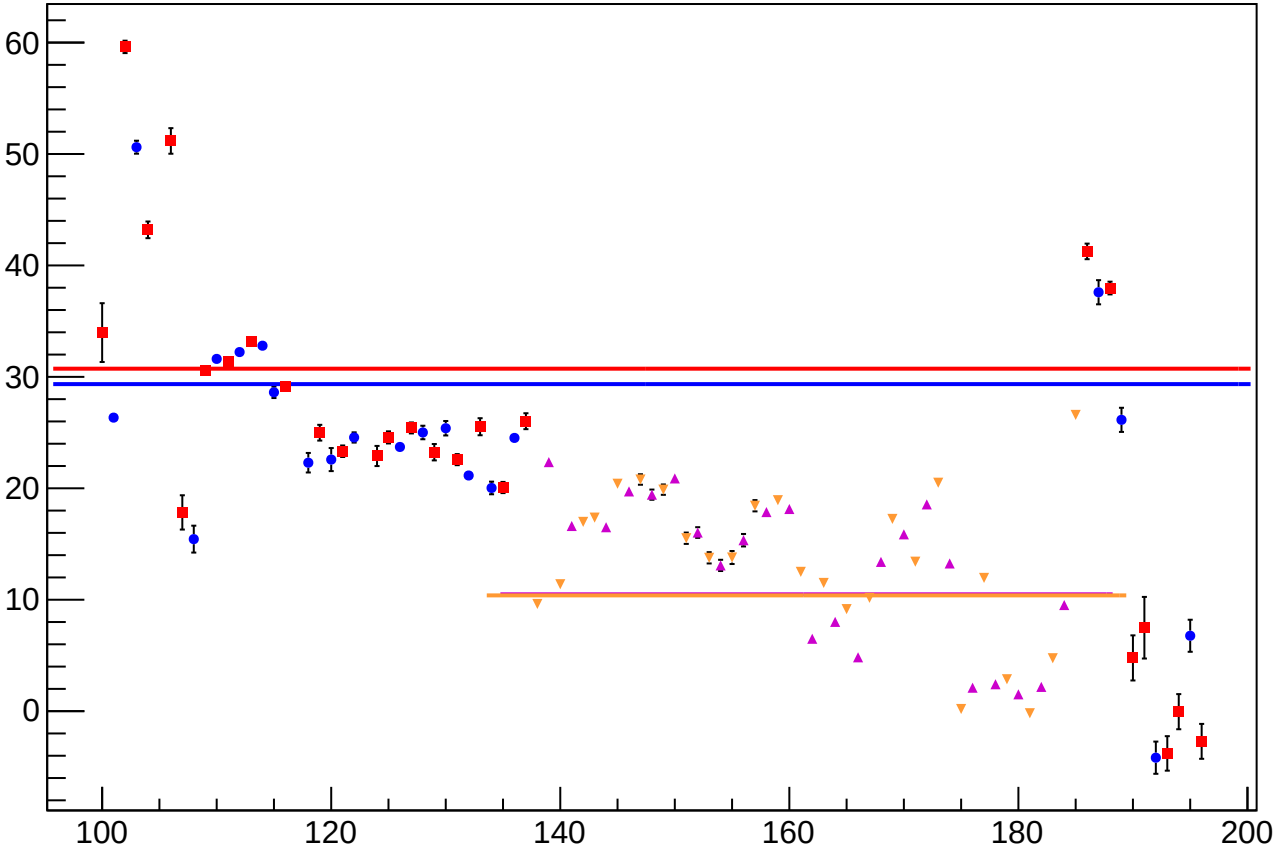
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.227+/-0.007 χ^2/NDF: 2745.3/44

All: -0.222+/-0.005 χ^2/NDF: 5948.0/93

- sign -0.217+/-0.007 χ^2/NDF: 3201.6/48

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.350+/-0.091 χ^2/NDF: 4227.8/19

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.734+/-0.078 χ^2/NDF: 7036.1/25

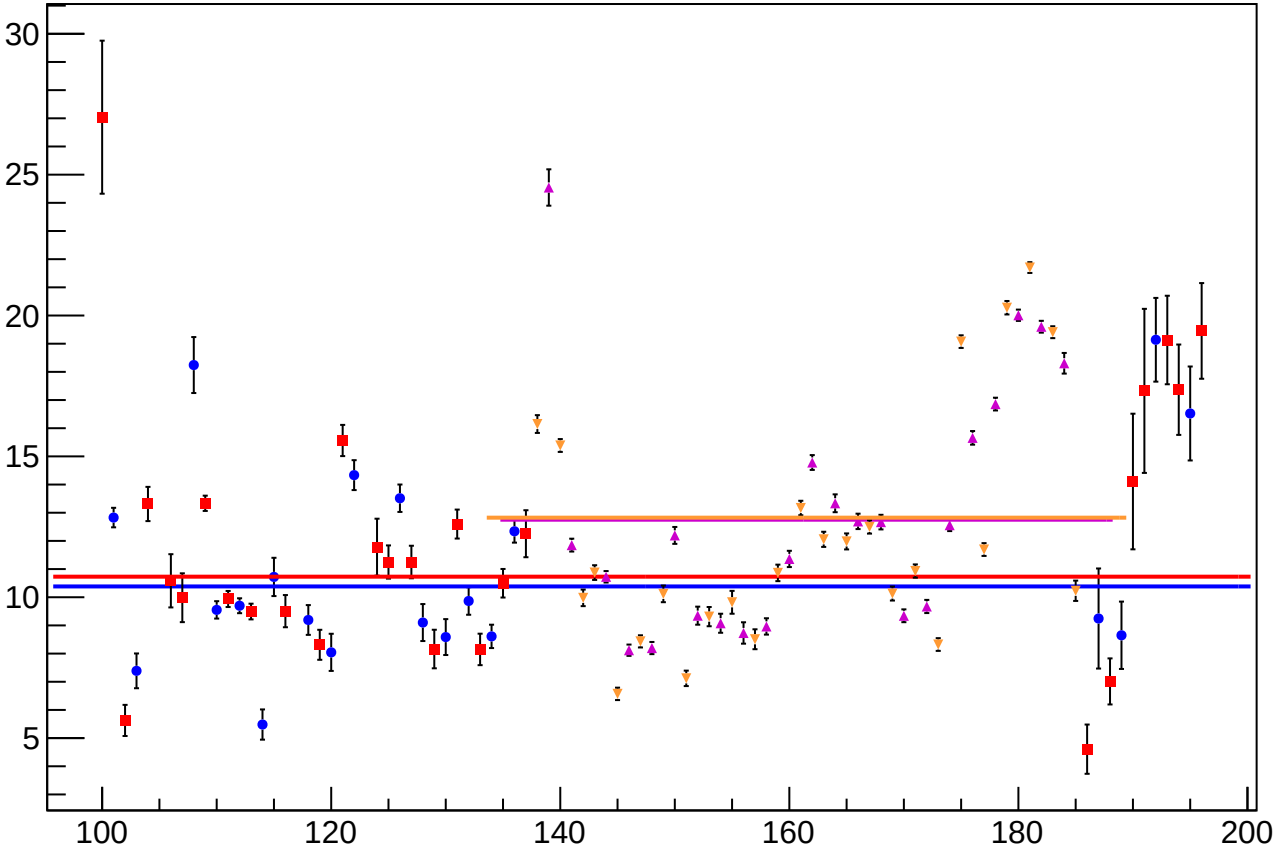
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.687+/-0.052 χ^2/NDF: 47054.3/44

All: 17.874+/-0.036 χ^2/NDF: 105187.6/93

- sign 18.992+/-0.051 χ^2/NDF: 57136.9/48

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.383+/-0.113 χ^2/NDF: 453.7/19

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.730+/-0.110 χ^2/NDF: 564.8/25

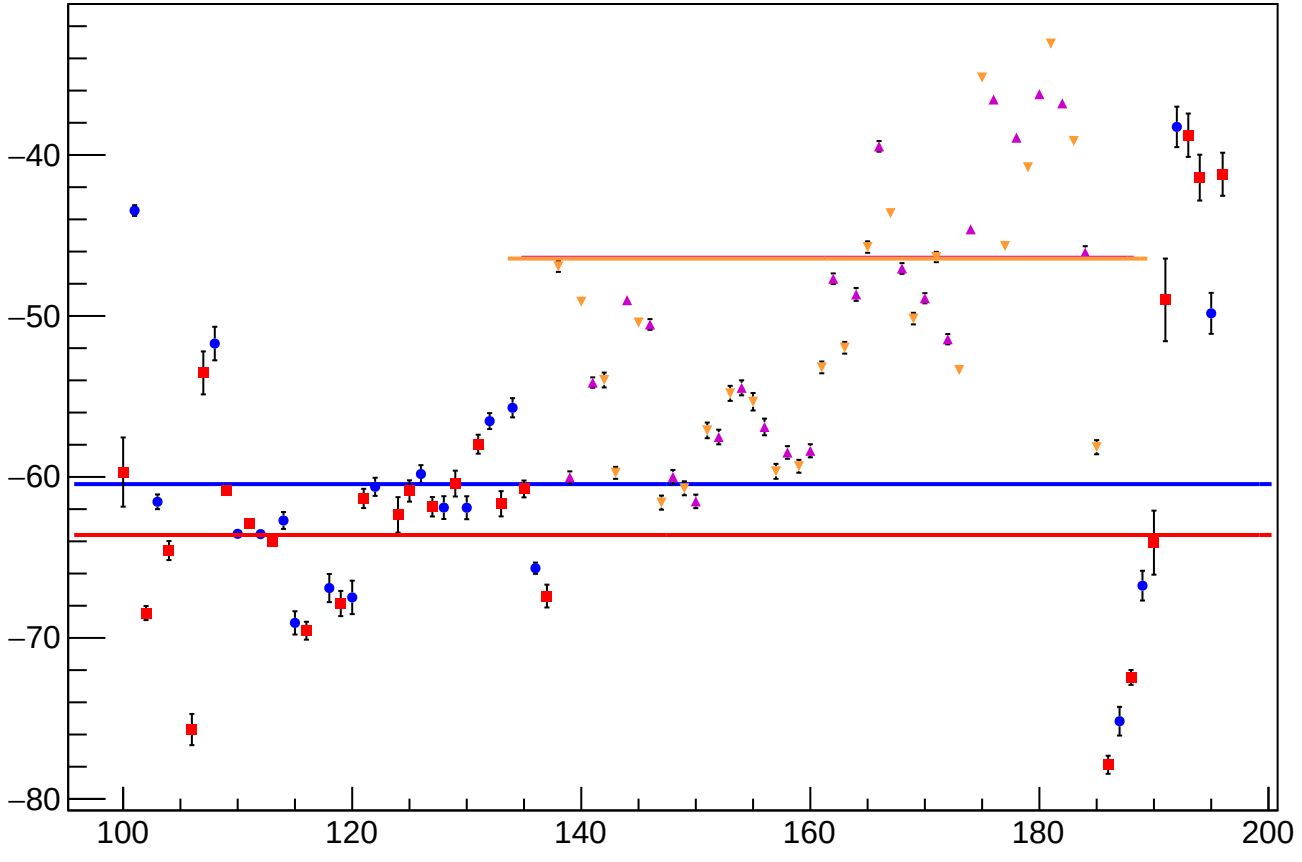
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.409+/-0.046 χ^2/NDF: 8859.9/44

All: 12.391+/-0.033 χ^2/NDF: 15202.1/93

- sign 12.372+/-0.048 χ^2/NDF: 6341.9/48

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.445+/-0.110 χ^2/NDF: 4298.9/19

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.606+/-0.102 χ^2/NDF: 2778.7/25

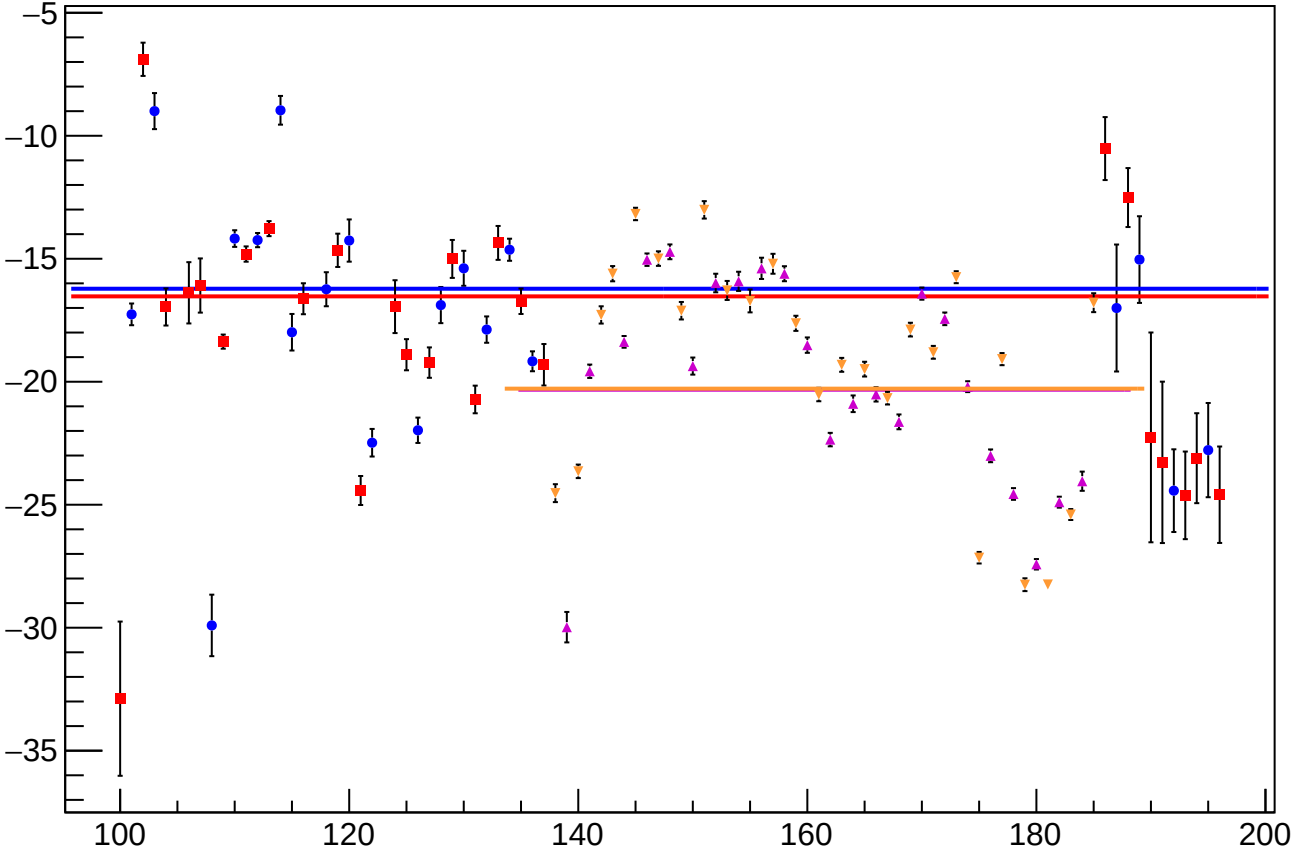
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.992+/-0.056 χ^2/NDF: 34475.8/44

All: -50.783+/-0.039 χ^2/NDF: 72793.2/93

- sign -51.578+/-0.056 χ^2/NDF: 37912.5/48

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.219+/-0.126 χ^2/NDF: 833.5/19

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.529+/-0.122 χ^2/NDF: 774.5/25

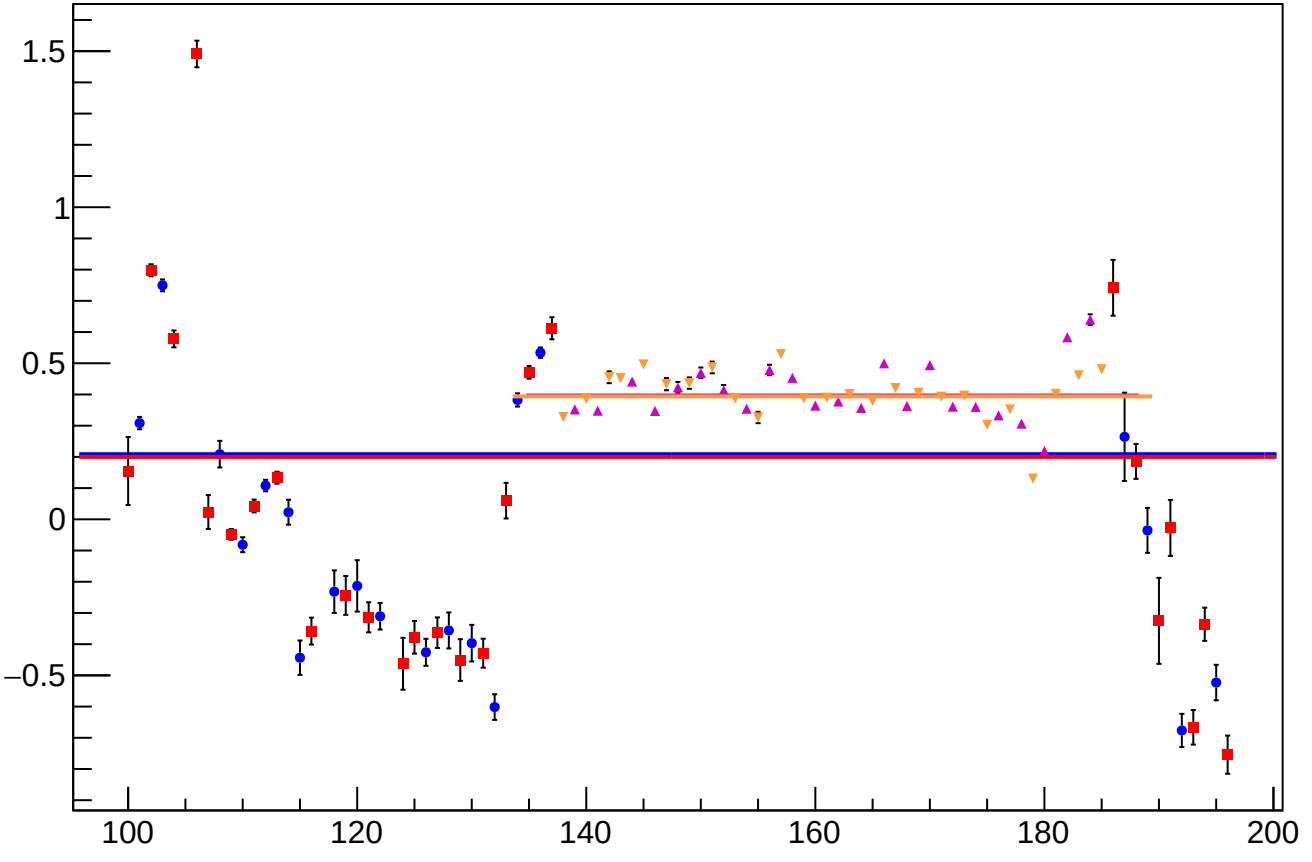
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.590+/-0.052 χ^2/NDF: 8715.0/44

All: -19.599+/-0.037 χ^2/NDF: 14541.6/93

- sign -19.608+/-0.053 χ^2/NDF: 5826.5/48

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.209+/-0.007 χ^2/NDF: 3103.6/19

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.200+/-0.007 χ^2/NDF: 4268.2/25

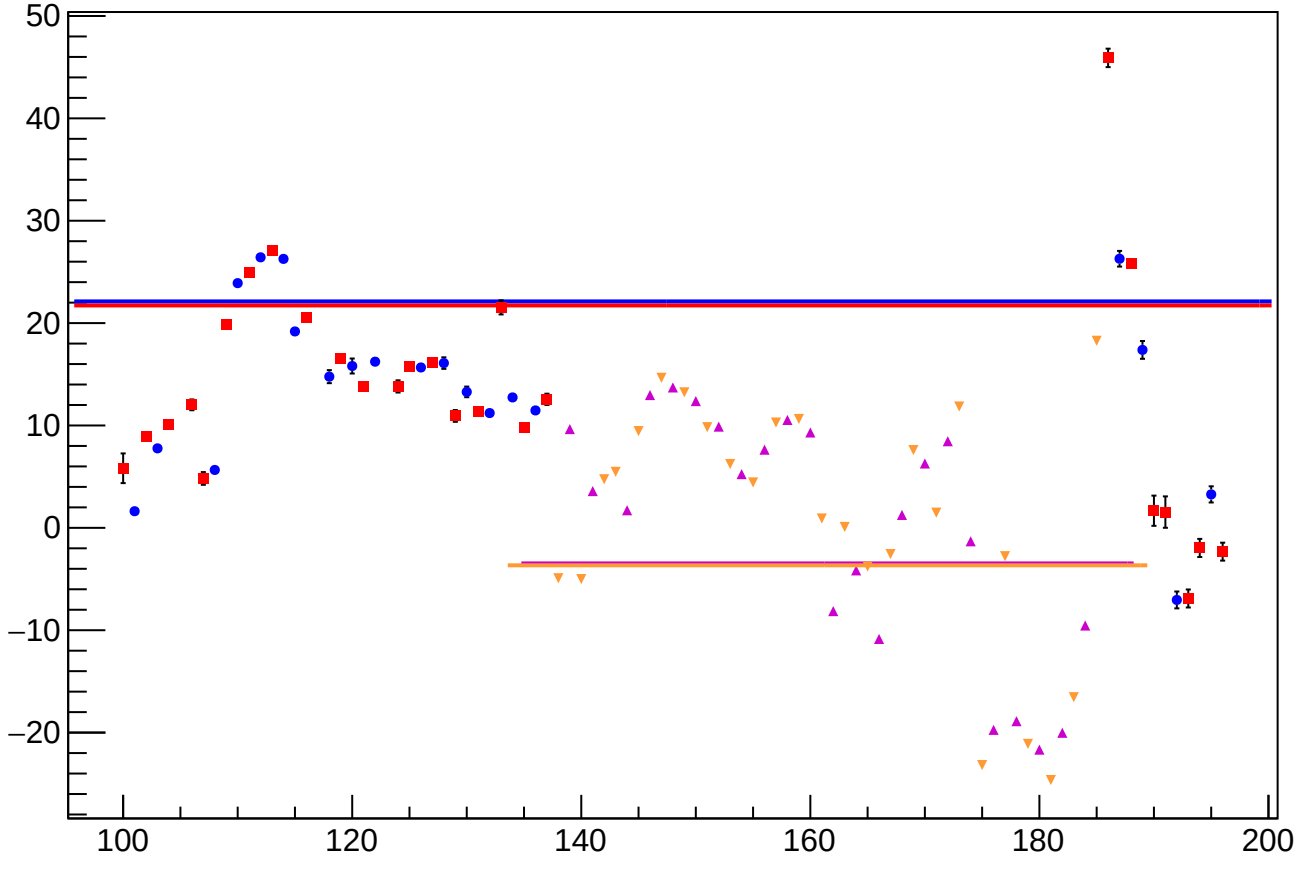
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.371+/-0.002 χ^2/NDF: 4681.7/44

All: 0.371+/-0.002 χ^2/NDF: 10968.3/93

\- sign 0.371+/-0.002 χ^2/NDF: 6286.6/48

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.119+/-0.056 χ^2/NDF: 14234.4/19

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.726+/-0.046 χ^2/NDF: 14408.1/25

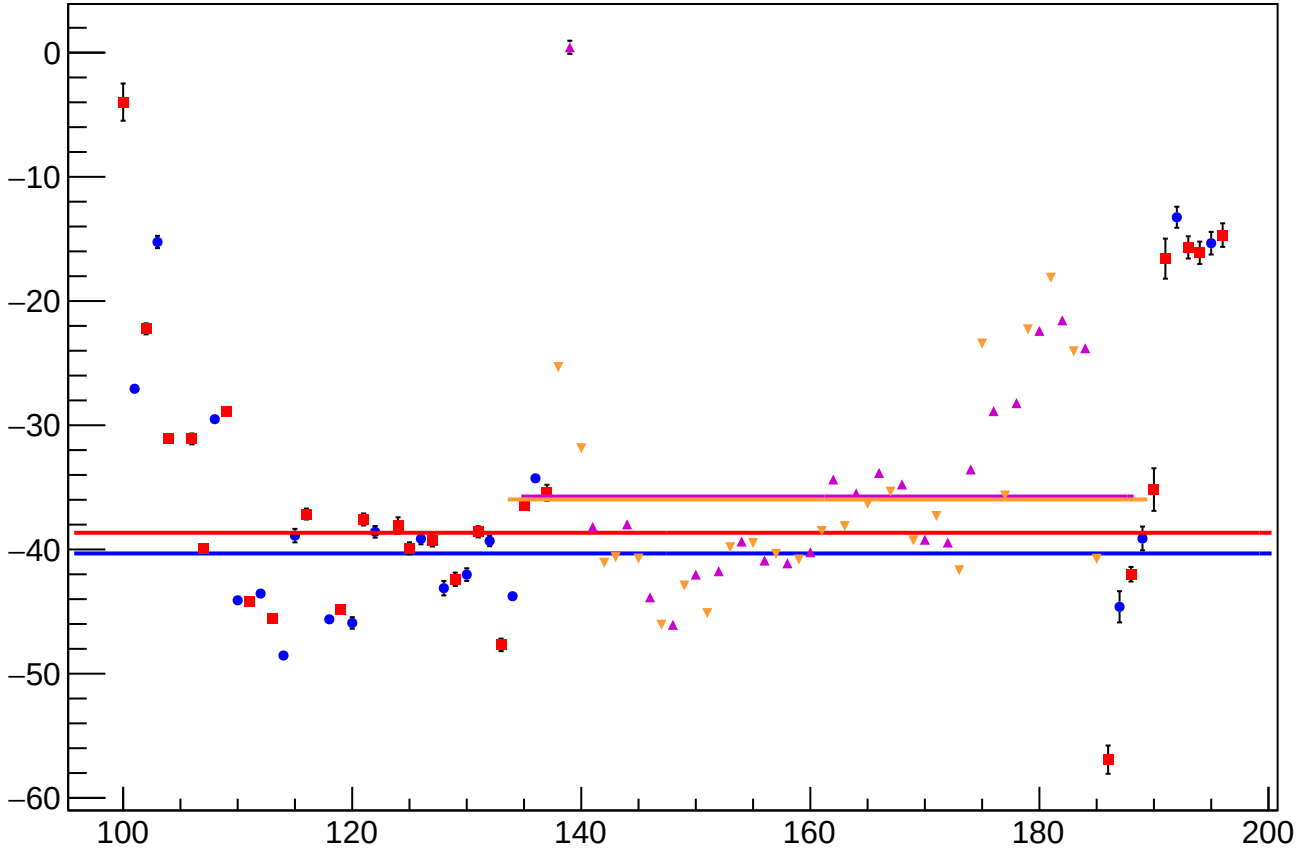
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.886+/-0.039 χ^2/NDF: 179711.8/44

All: 10.553+/-0.026 χ^2/NDF: 360500.6/93

- sign 11.950+/-0.036 χ^2/NDF: 177441.6/48

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.321+/-0.076 χ^2/NDF: 9591.2/19

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.656+/-0.070 χ^2/NDF: 12532.1/25

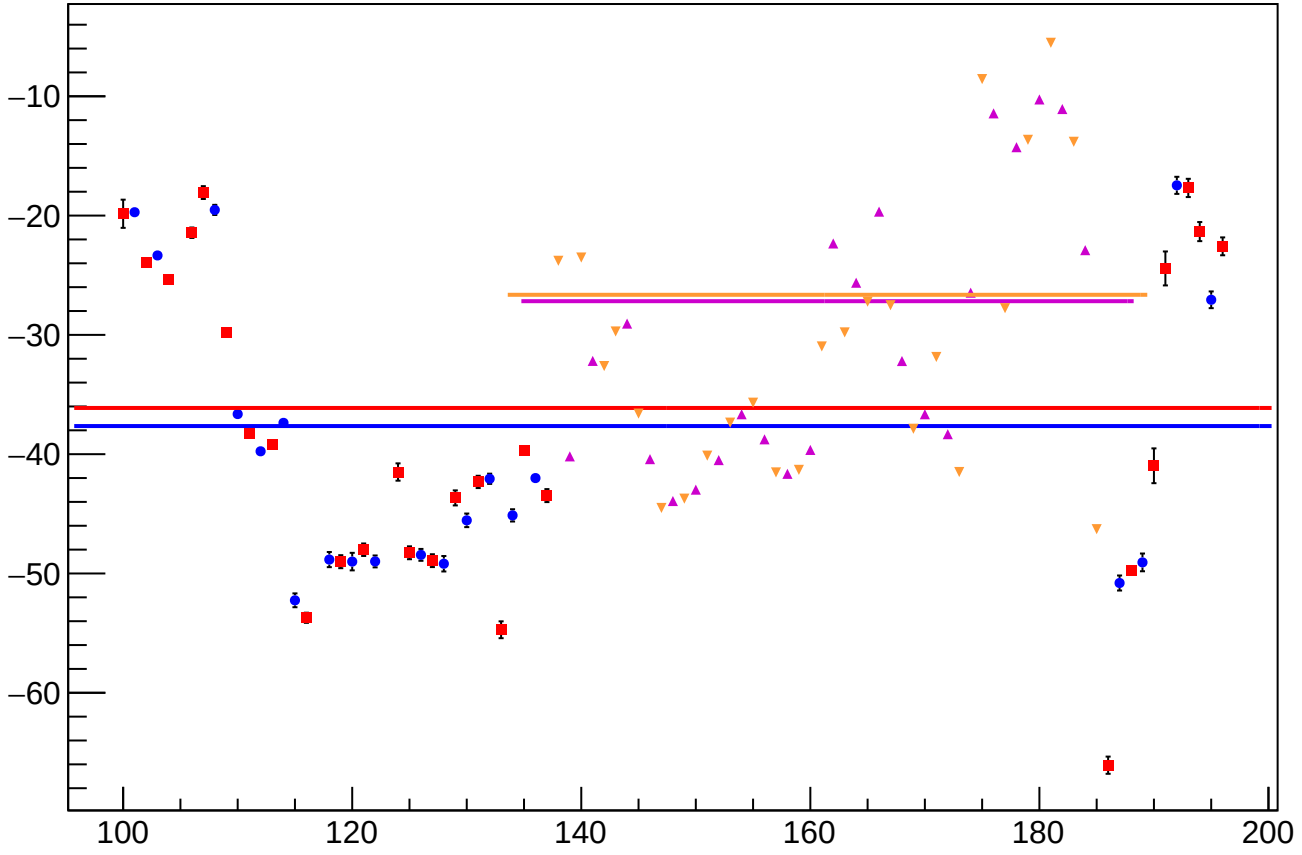
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.015+/-0.037 χ^2/NDF: 45718.7/44

All: -36.810+/-0.026 χ^2/NDF: 86709.0/93

- sign -36.595+/-0.038 χ^2/NDF: 40927.0/48

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.642+/-0.072 χ^2/NDF: 12547.1/19

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.126+/-0.062 χ^2/NDF: 18064.7/25

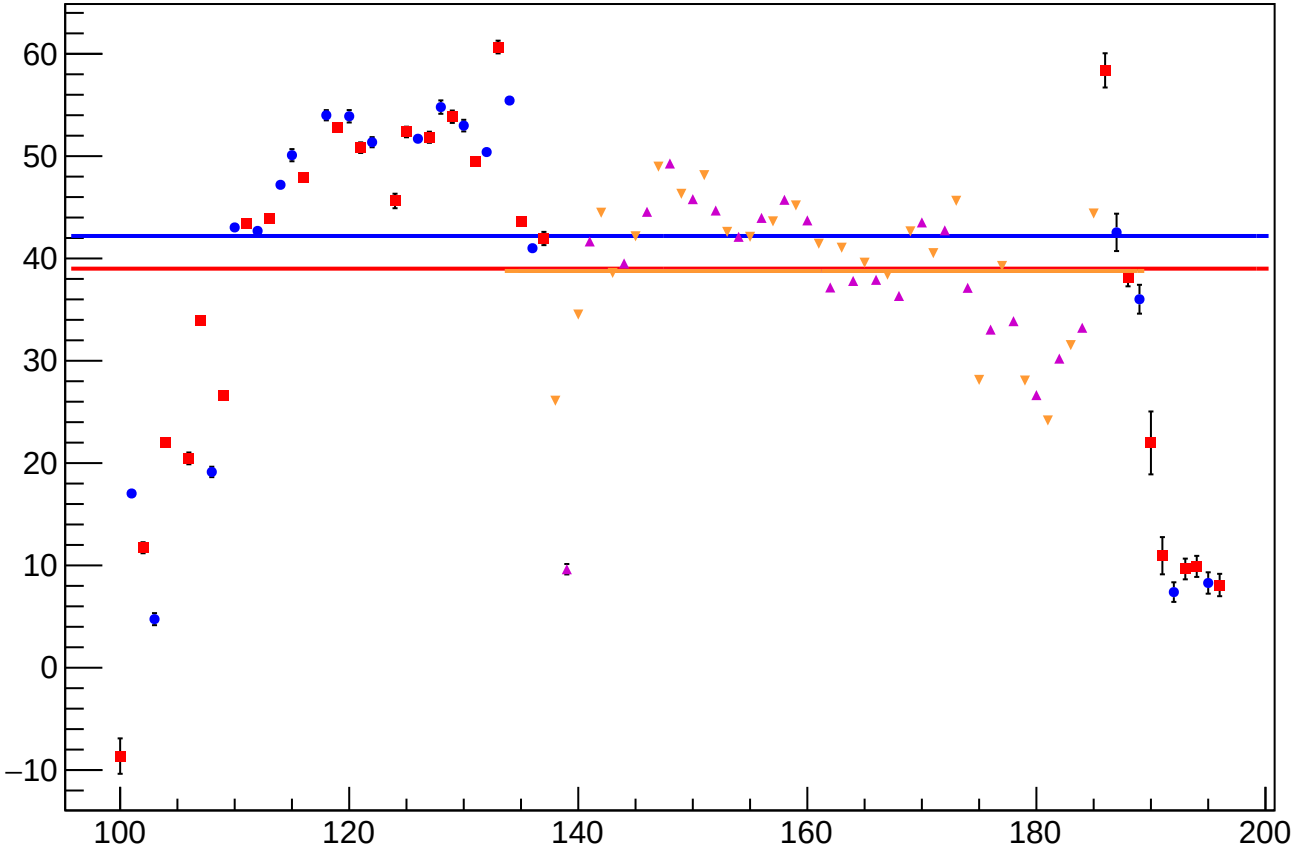
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.645+/-0.044 χ^2/NDF: 77394.7/44

All: -30.974+/-0.030 χ^2/NDF: 147777.6/93

- sign -31.281+/-0.042 χ^2/NDF: 70272.9/48

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.197+/-0.084 χ^2/NDF: 17194.3/19

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.004+/-0.077 χ^2/NDF: 20869.6/25

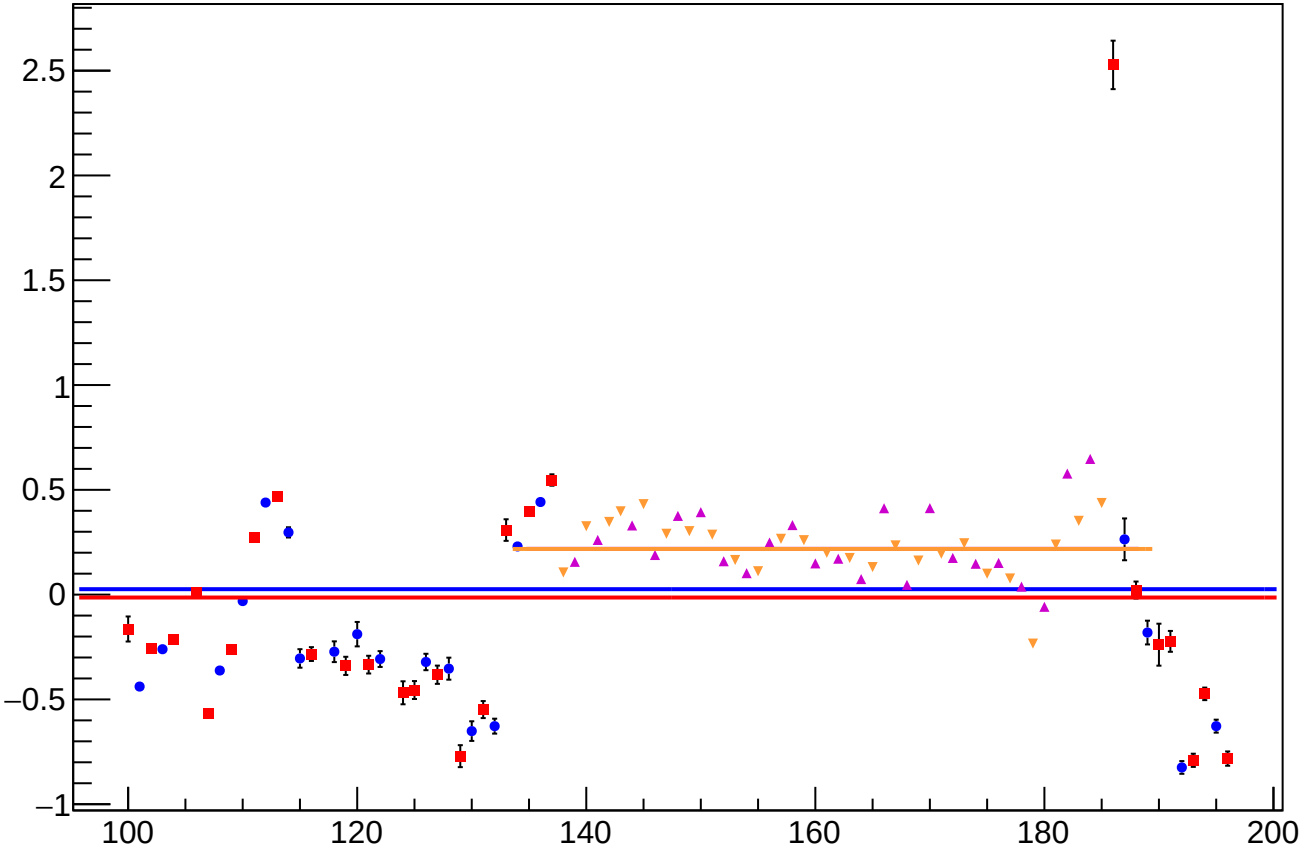
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.609+/-0.042 χ^2/NDF: 39513.5/44

All: 39.236+/-0.030 χ^2/NDF: 76791.9/93

- sign 38.855+/-0.042 χ^2/NDF: 37115.6/48

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.026+/-0.005 χ^2/NDF: 6813.0/19

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.014+/-0.004 χ^2/NDF: 8331.1/25

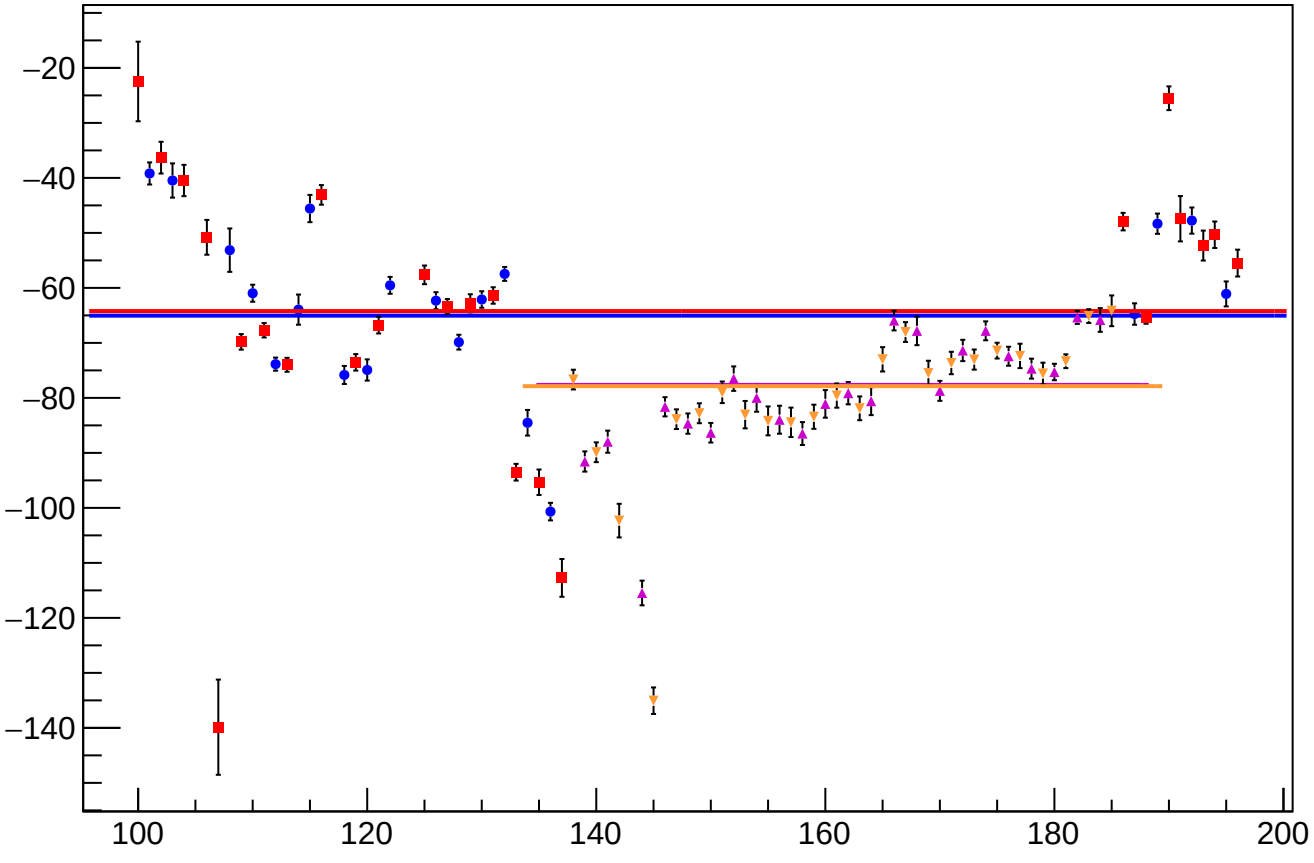
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.185+/-0.002 χ^2/NDF: 12265.5/44

All: 0.176+/-0.001 χ^2/NDF: 28311.8/93

- sign 0.168+/-0.002 χ^2/NDF: 16008.3/48

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.043+/-0.394 χ^2/NDF: 1205.0/19

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.212+/-0.361 χ^2/NDF: 1835.4/24

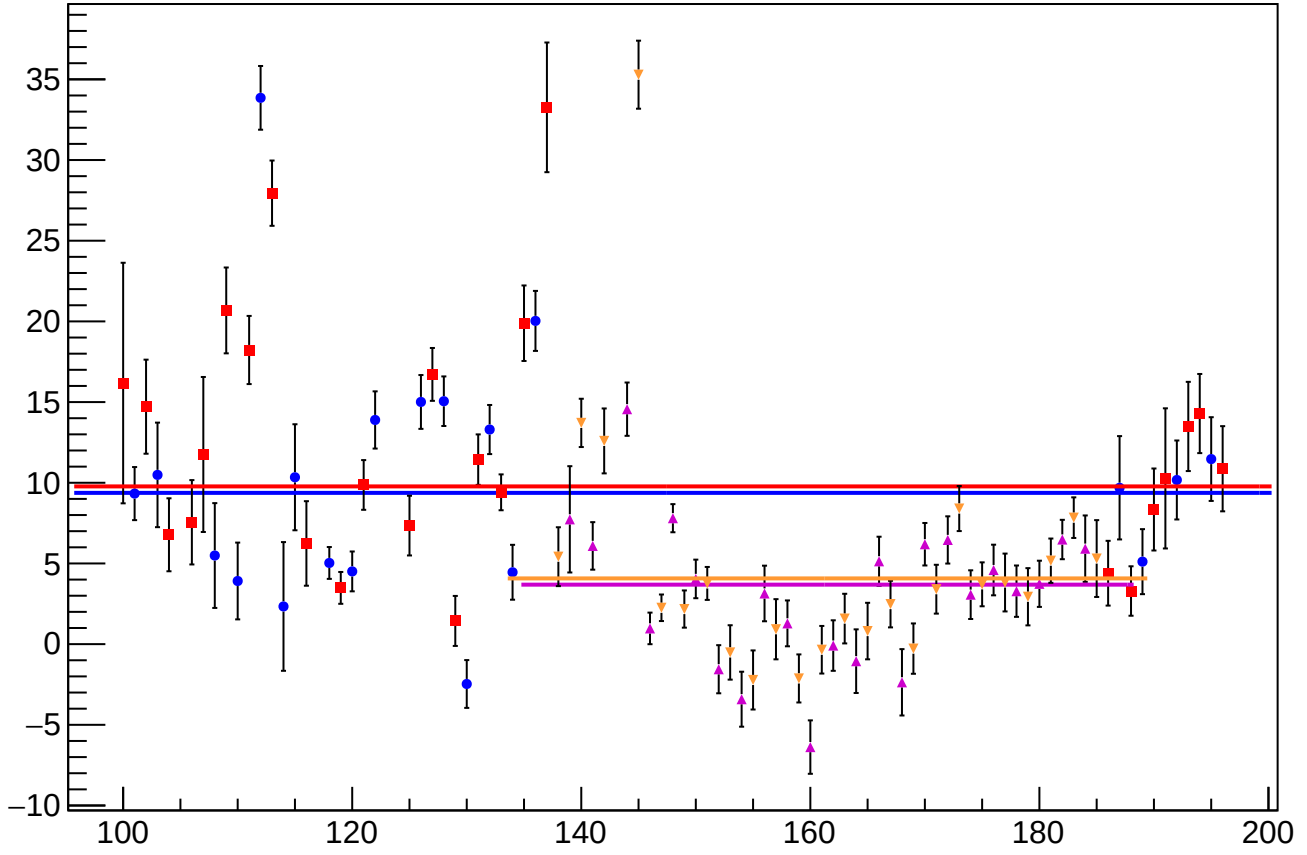
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.456+/-0.279 χ^2/NDF: 2666.7/43

All: -70.855+/-0.193 χ^2/NDF: 5831.5/91

- sign -70.304+/-0.267 χ^2/NDF: 3155.9/47

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.374+/-0.404 χ^2/NDF: 347.3/19

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.774+/-0.389 χ^2/NDF: 295.8/24

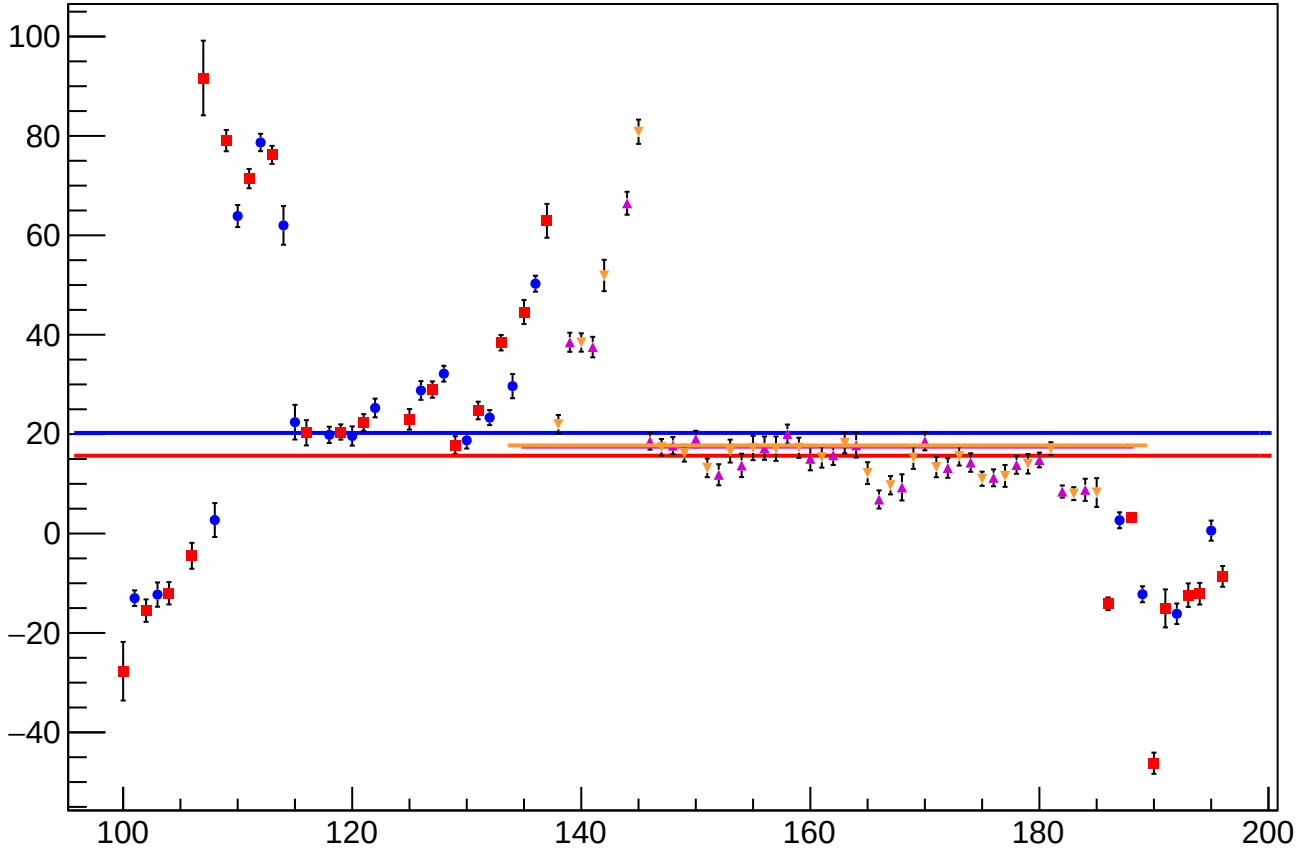
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 5.928+/-0.239 χ^2/NDF: 829.5/43

All: 5.949+/-0.169 χ^2/NDF: 1460.7/91

\- sign 5.969+/-0.239 χ^2/NDF: 631.1/47

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 20.246+/-0.424 χ^2/NDF: 3654.7/19

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.662+/-0.378 χ^2/NDF: 6137.2/24

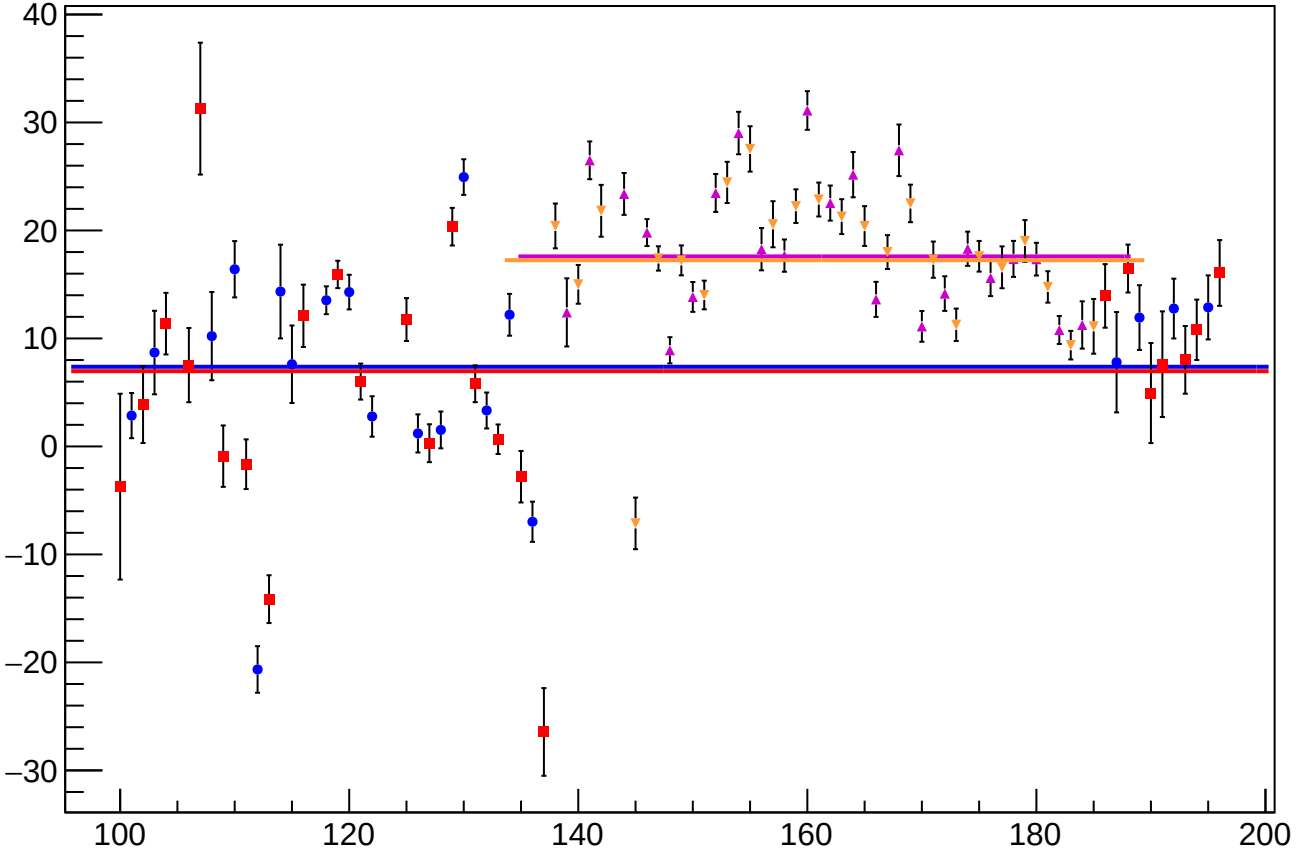
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 18.882+/-0.288 χ^2/NDF: 4732.1/43

All: 17.648+/-0.198 χ^2/NDF: 11736.3/91

- sign 16.541+/-0.272 χ^2/NDF: 6969.2/47

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.377+/-0.473 χ^2/NDF: 454.7/19

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.966+/-0.460 χ^2/NDF: 407.3/24

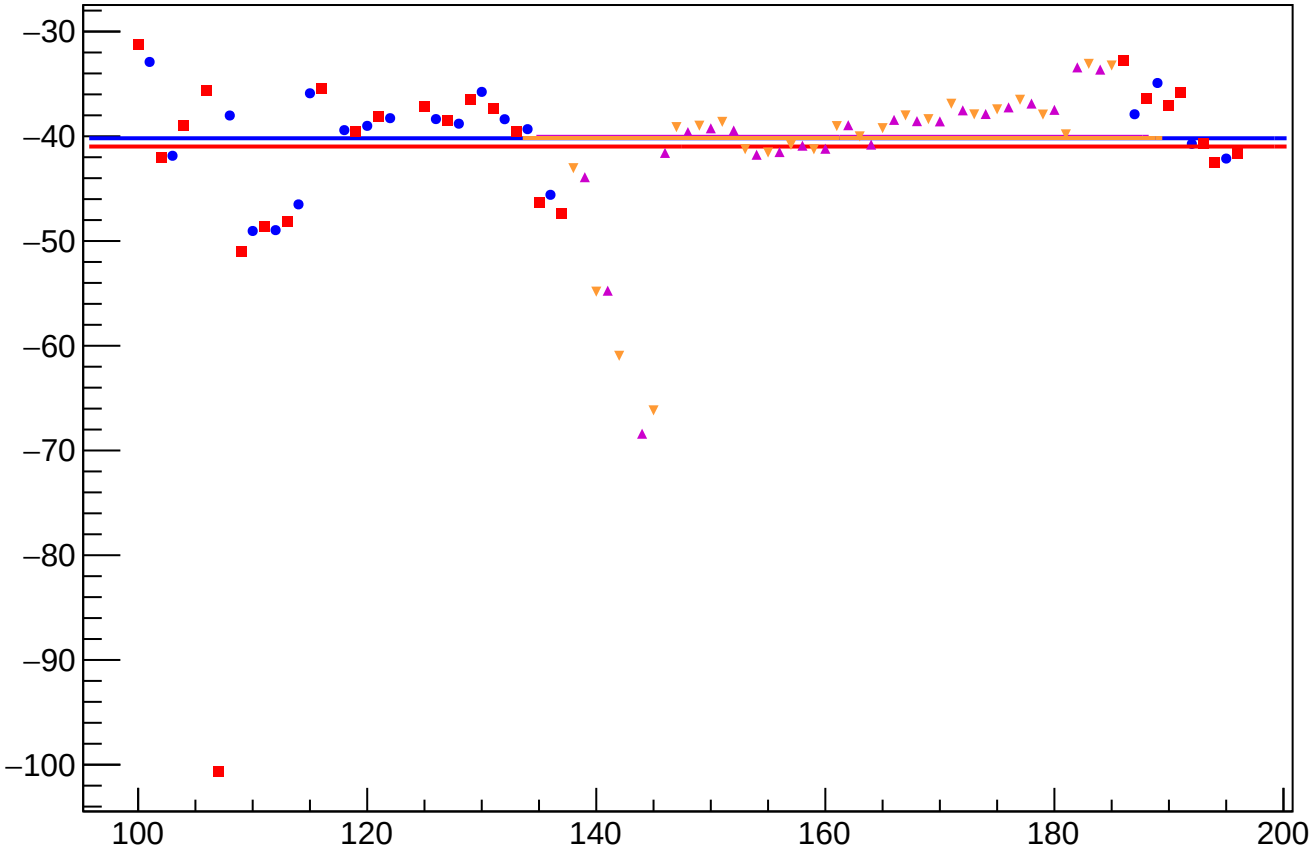
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.906+/-0.275 χ^2/NDF: 1003.8/43

All: 13.860+/-0.194 χ^2/NDF: 2064.2/91

- sign 13.814+/-0.275 χ^2/NDF: 1060.4/47

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.189+/-0.027 χ^2/NDF: 23361.2/19

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.979+/-0.025 χ^2/NDF: 65883.0/24

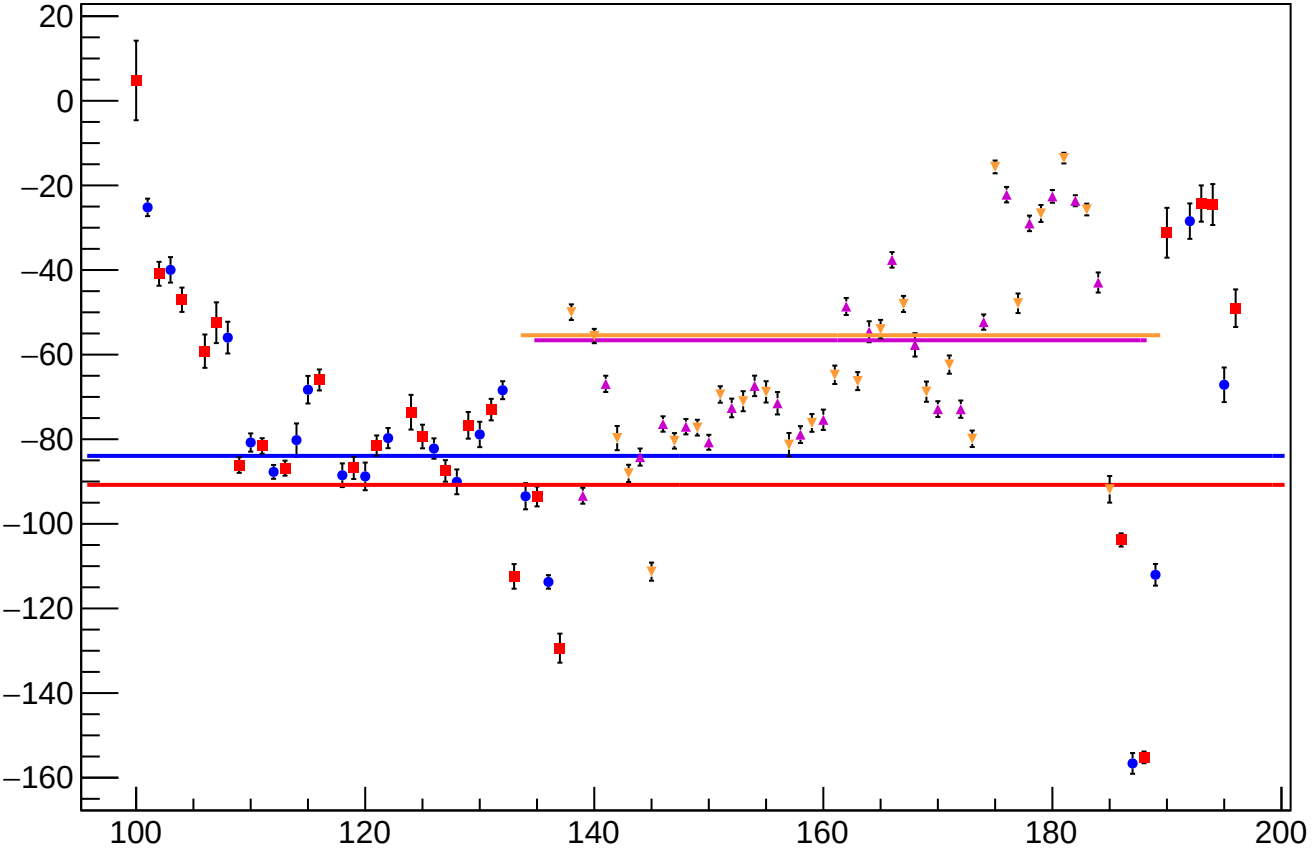
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.171+/-0.013 χ^2/NDF: 186697.7/43

All: -40.237+/-0.009 χ^2/NDF: 390052.9/91

- sign -40.301+/-0.013 χ^2/NDF: 203307.0/47

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.933+/-0.567 χ^2/NDF: 2722.4/19

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -90.787+/-0.510 χ^2/NDF: 4075.9/24

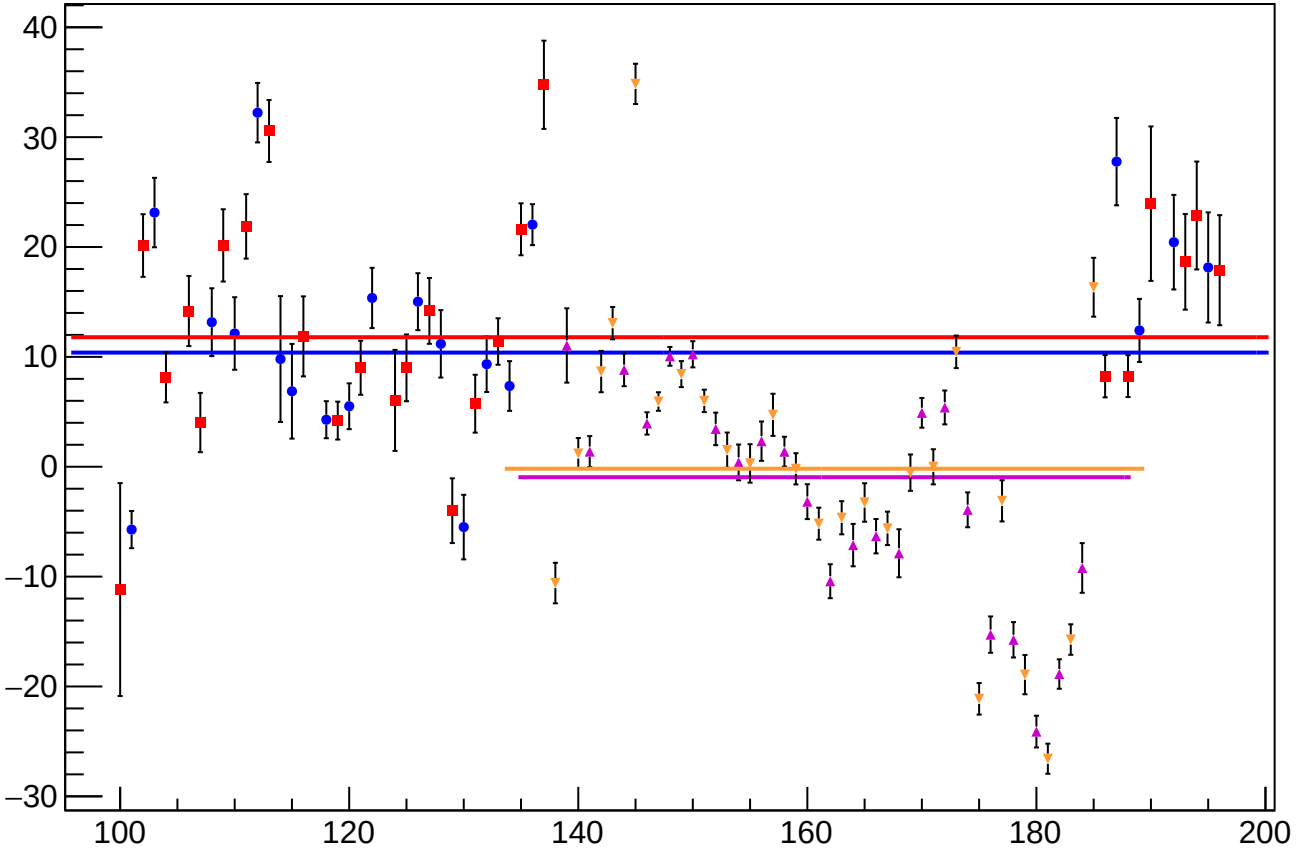
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.690+/-0.323 χ^2/NDF: 8955.6/44

All: -67.293+/-0.226 χ^2/NDF: 19272.3/92

- sign -69.789+/-0.316 χ^2/NDF: 10189.6/47

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.390+/-0.590 χ^2/NDF: 296.4/19

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.790+/-0.562 χ^2/NDF: 214.9/24

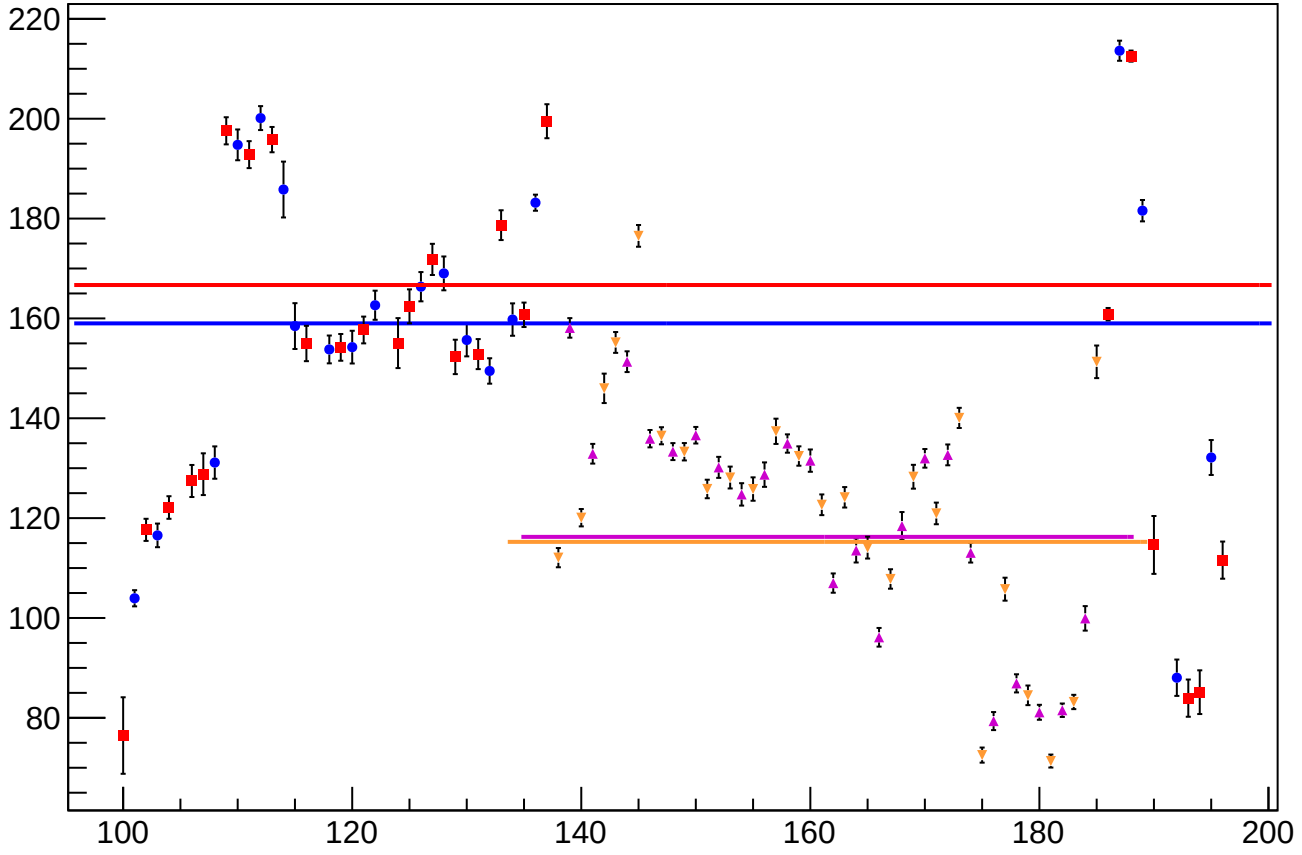
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 1.923+/-0.263 χ^2/NDF: 2151.7/44

All: 1.928+/-0.188 χ^2/NDF: 3833.8/92

\- sign 1.933+/-0.267 χ^2/NDF: 1682.1/47

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 159.005+/-0.587 χ^2/NDF: 3550.3/19

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.690+/-0.511 χ^2/NDF: 4678.1/24

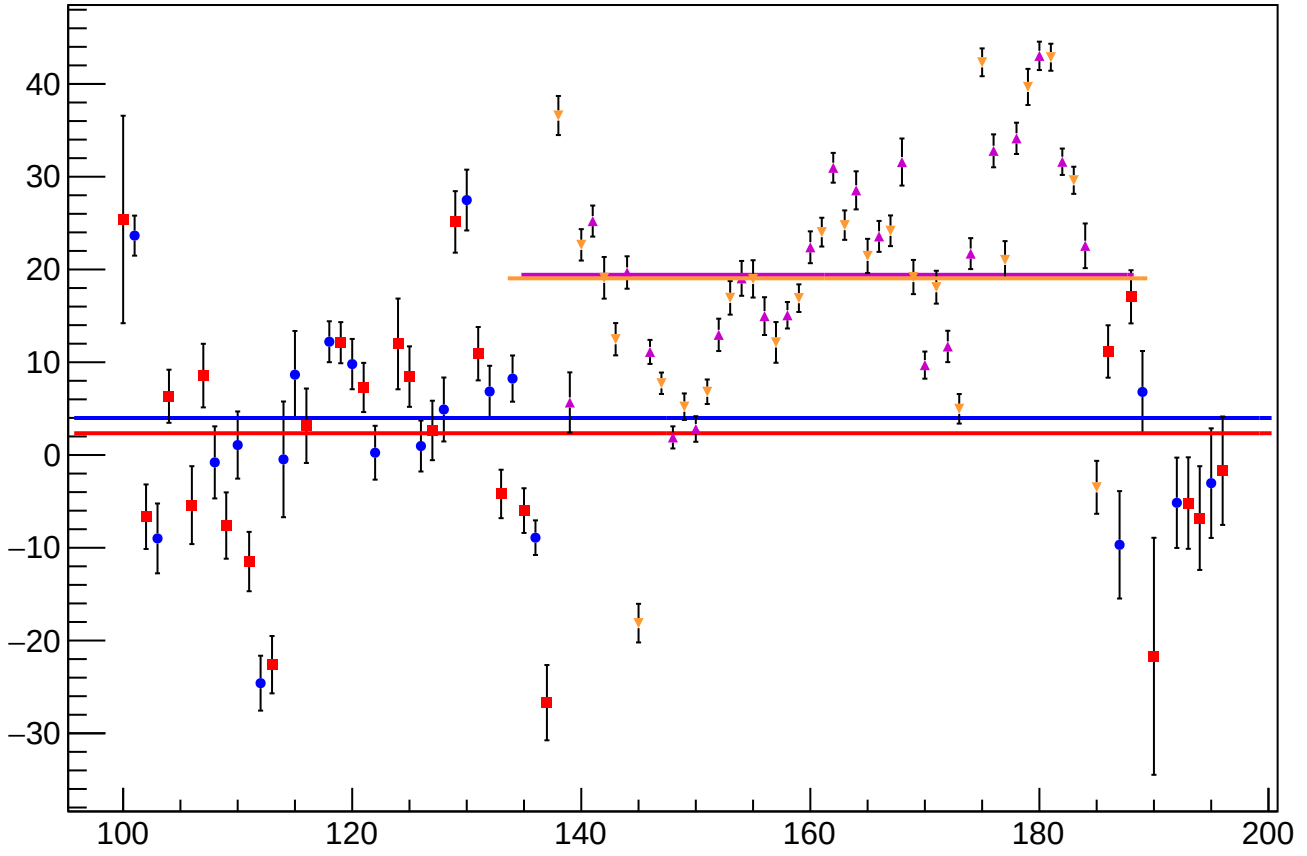
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.672+/-0.325 χ^2/NDF: 12243.8/44

All: 132.120+/-0.226 χ^2/NDF: 26826.1/92

- sign 135.352+/-0.315 χ^2/NDF: 14364.2/47

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.990+/-0.688 χ^2/NDF: 327.4/19

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.347+/-0.671 χ^2/NDF: 312.2/24

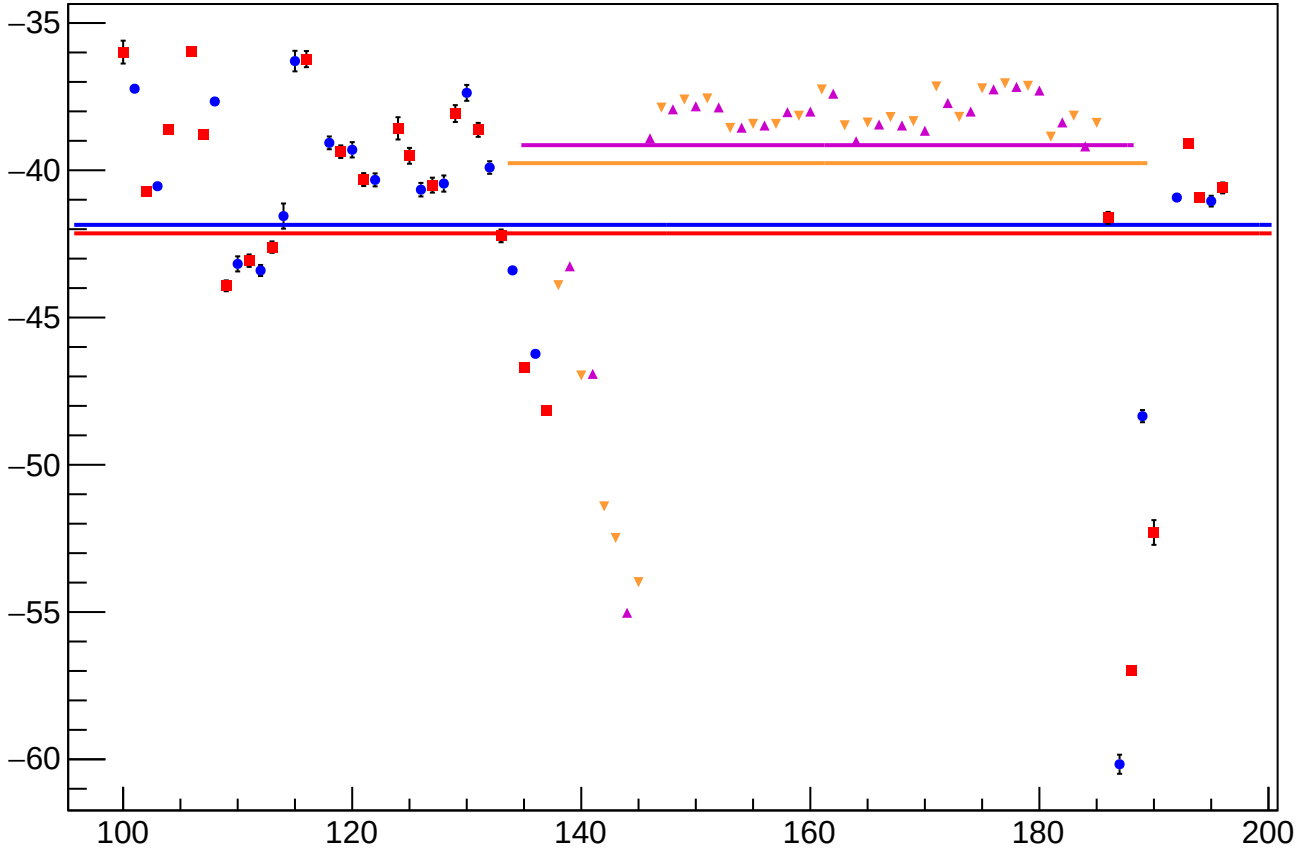
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.144+/-0.302 χ^2/NDF: 2259.9/44

All: 15.994+/-0.215 χ^2/NDF: 4162.2/92

- sign 15.839+/-0.307 χ^2/NDF: 1901.9/47

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.853+/-0.035 χ^2/NDF: 12244.0/19

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.142+/-0.035 χ^2/NDF: 19015.1/24

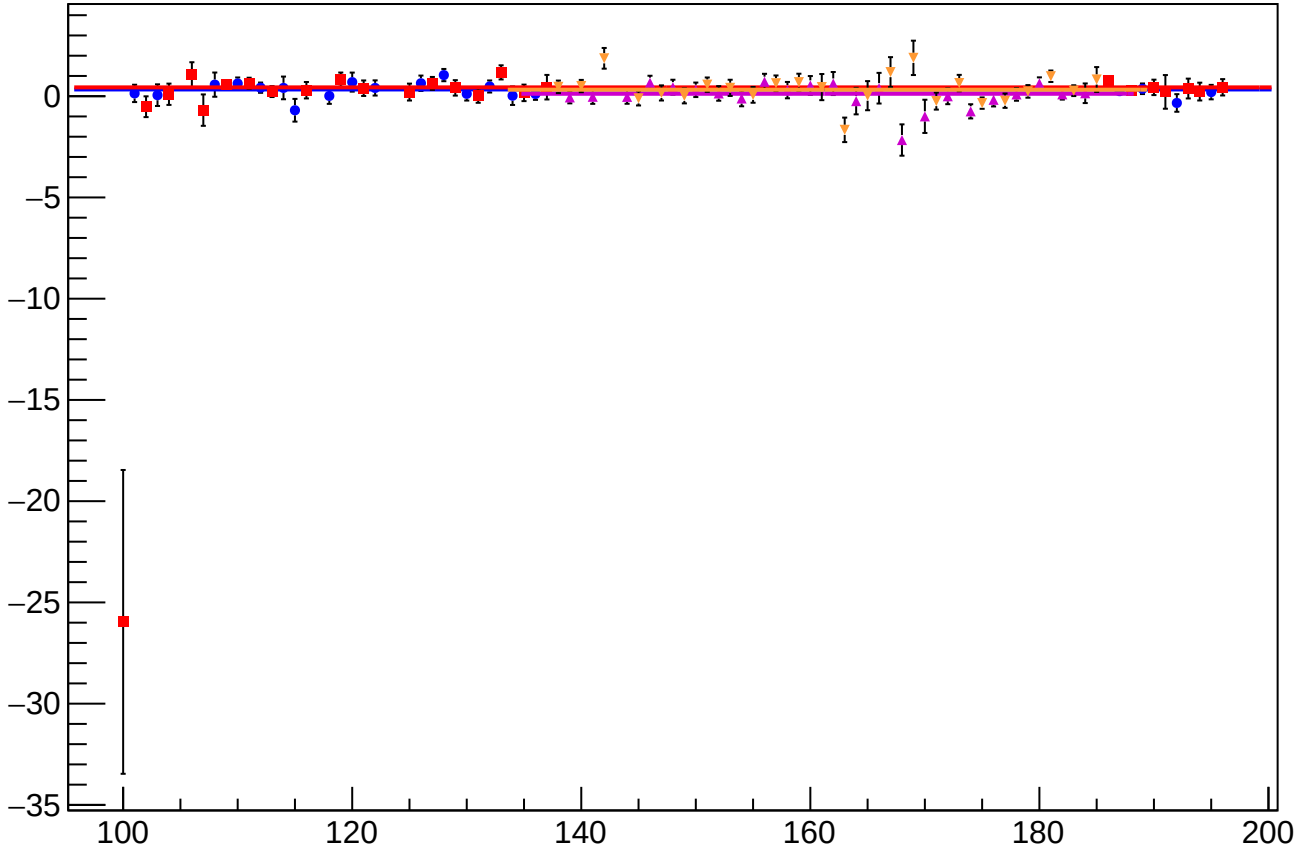
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.091+/-0.014 χ^2/NDF: 97038.6/44

All: -39.871+/-0.010 χ^2/NDF: 169597.3/92

- sign -39.647+/-0.014 χ^2/NDF: 72070.4/47

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.333+/-0.078 χ^2/NDF: 16.9/19

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.436+/-0.064 χ^2/NDF: 34.8/24

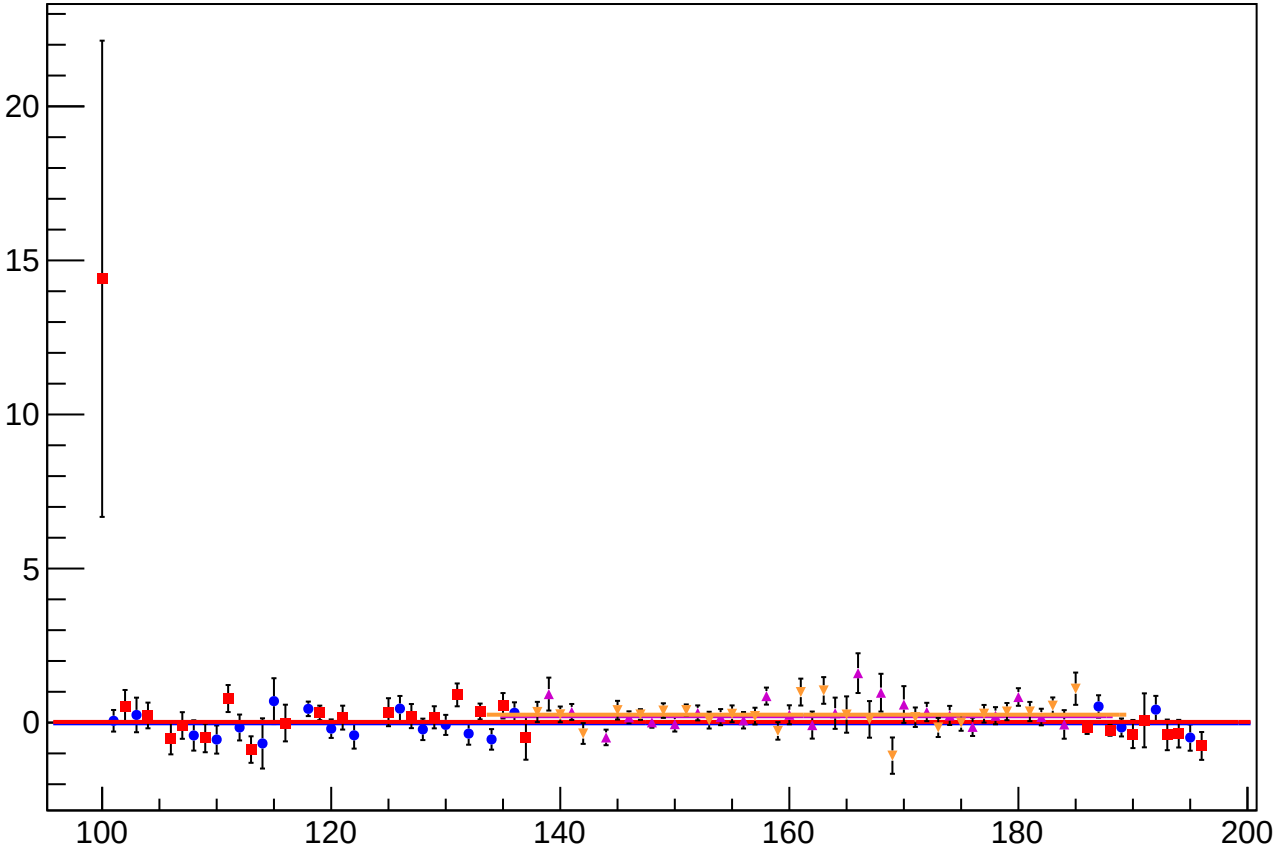
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.327+/-0.055 χ^2/NDF: 63.8/43

All: 0.318+/-0.037 χ^2/NDF: 138.2/91

- sign 0.311+/-0.050 χ^2/NDF: 74.3/47

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.023+/-0.084 χ^2/NDF: 19.7/19

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.022+/-0.074 χ^2/NDF: 34.4/24

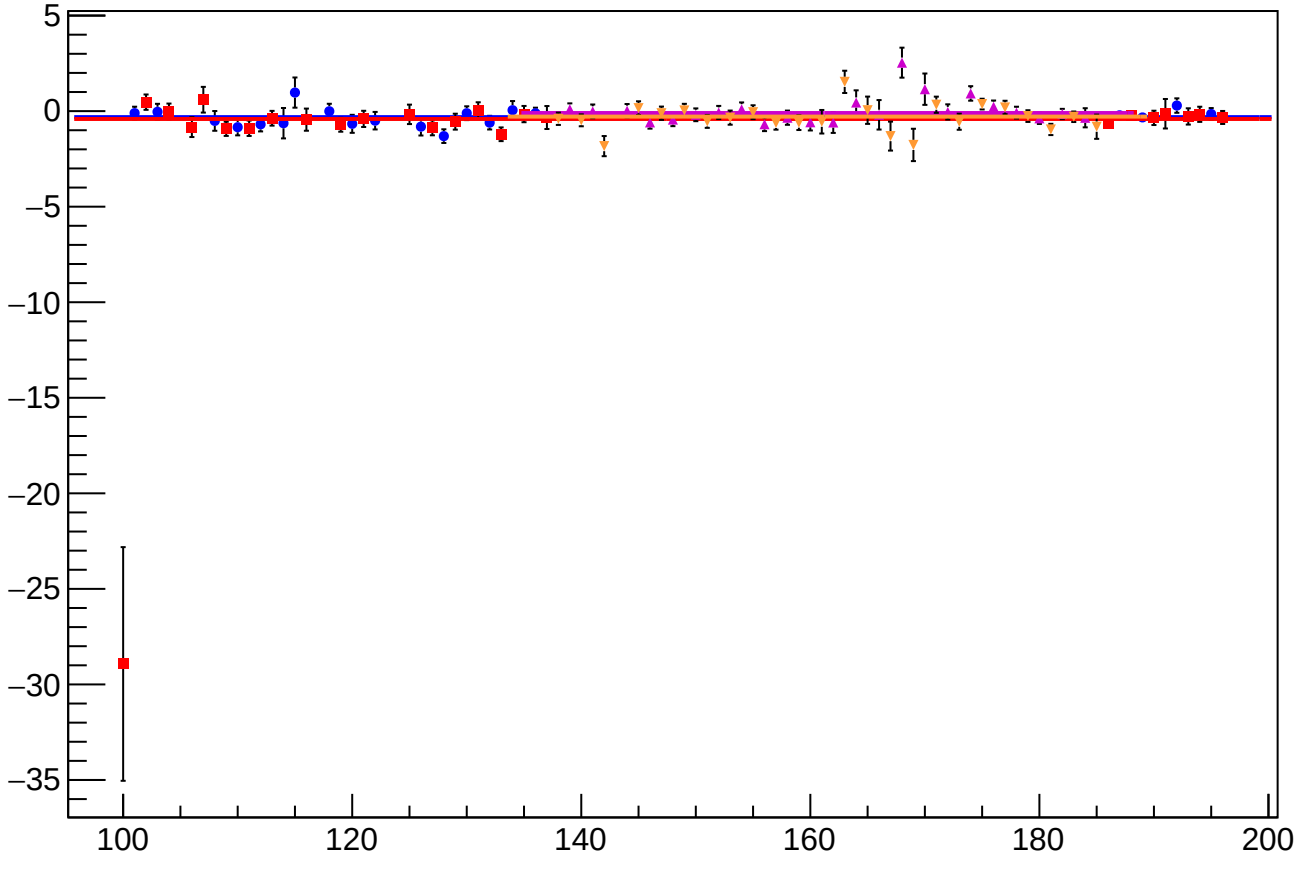
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.163+/-0.048 χ^2/NDF: 53.6/43

All: 0.148+/-0.034 χ^2/NDF: 123.8/91

- sign 0.133+/-0.047 χ^2/NDF: 70.0/47

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.315+/-0.079 χ^2/NDF: 21.7/19

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.410+/-0.061 χ^2/NDF: 48.7/24

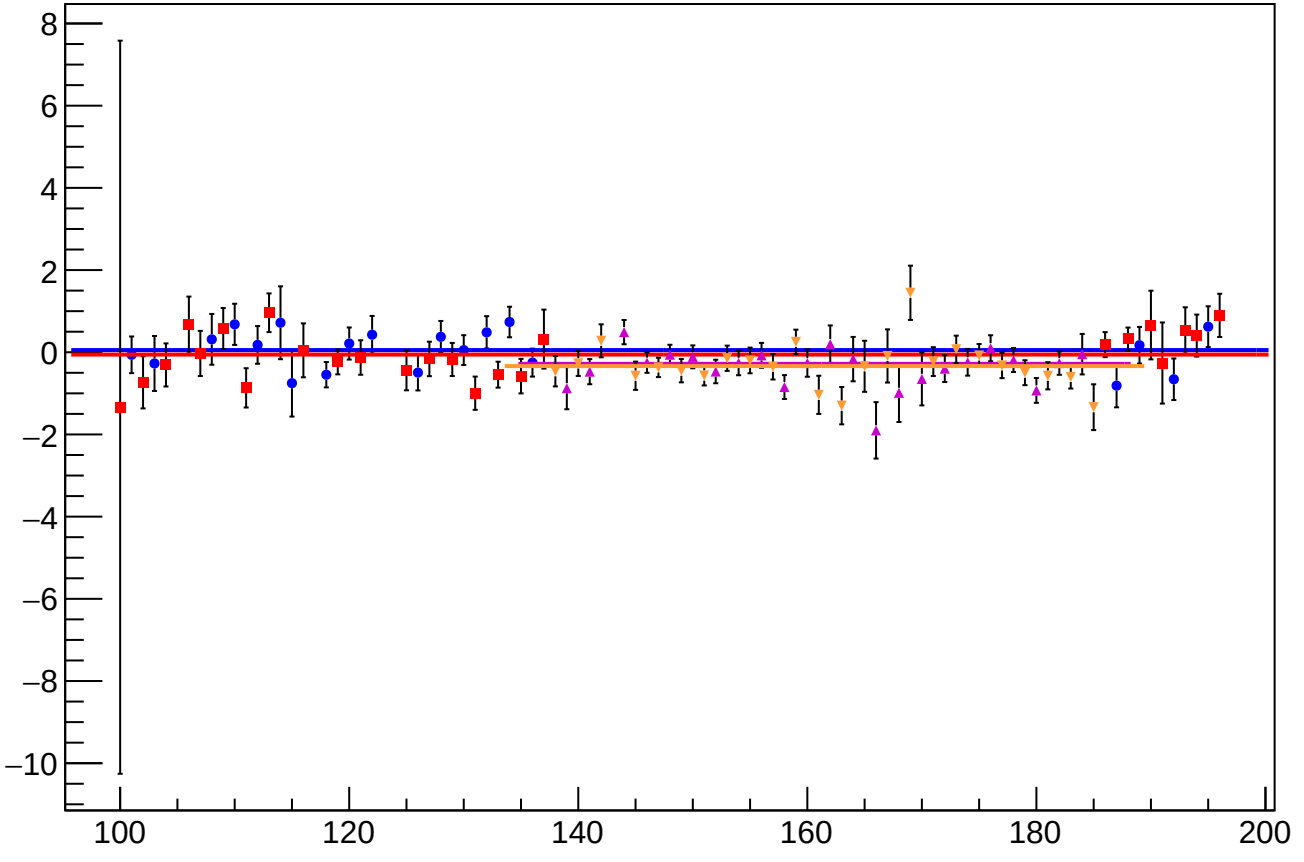
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.300+/-0.055 χ^2/NDF: 66.8/43

All: -0.296+/-0.036 χ^2/NDF: 158.5/91

- sign -0.293+/-0.048 χ^2/NDF: 91.6/47

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.053+/-0.099 χ^2/NDF: 22.0/19

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.056+/-0.091 χ^2/NDF: 30.9/24

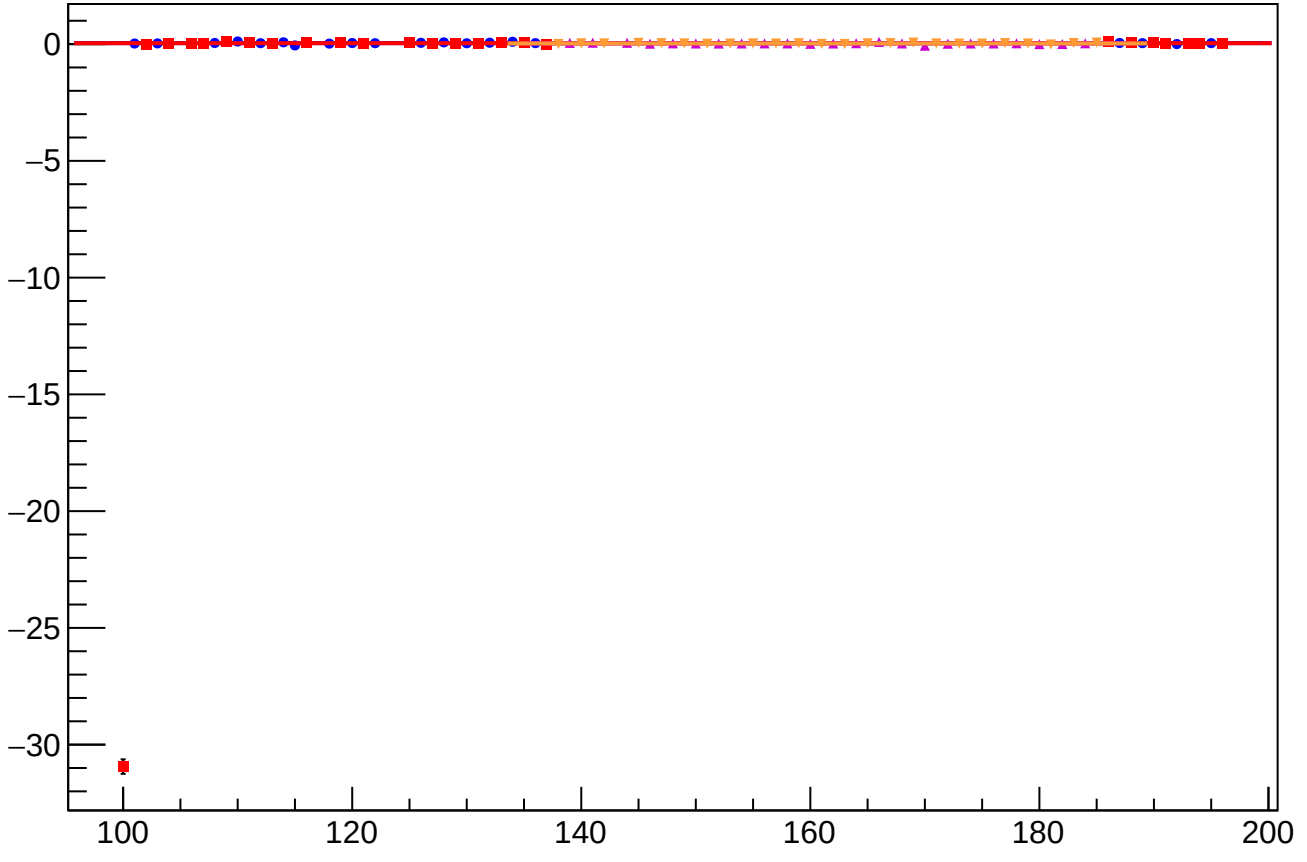
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.212+/-0.056 χ^2/NDF: 62.7/43

All: -0.206+/-0.039 χ^2/NDF: 126.5/91

- sign -0.200+/-0.055 χ^2/NDF: 63.8/47

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.043+/-0.005 χ^2/NDF: 26.3/19

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.039+/-0.005 χ^2/NDF: 10038.2/24

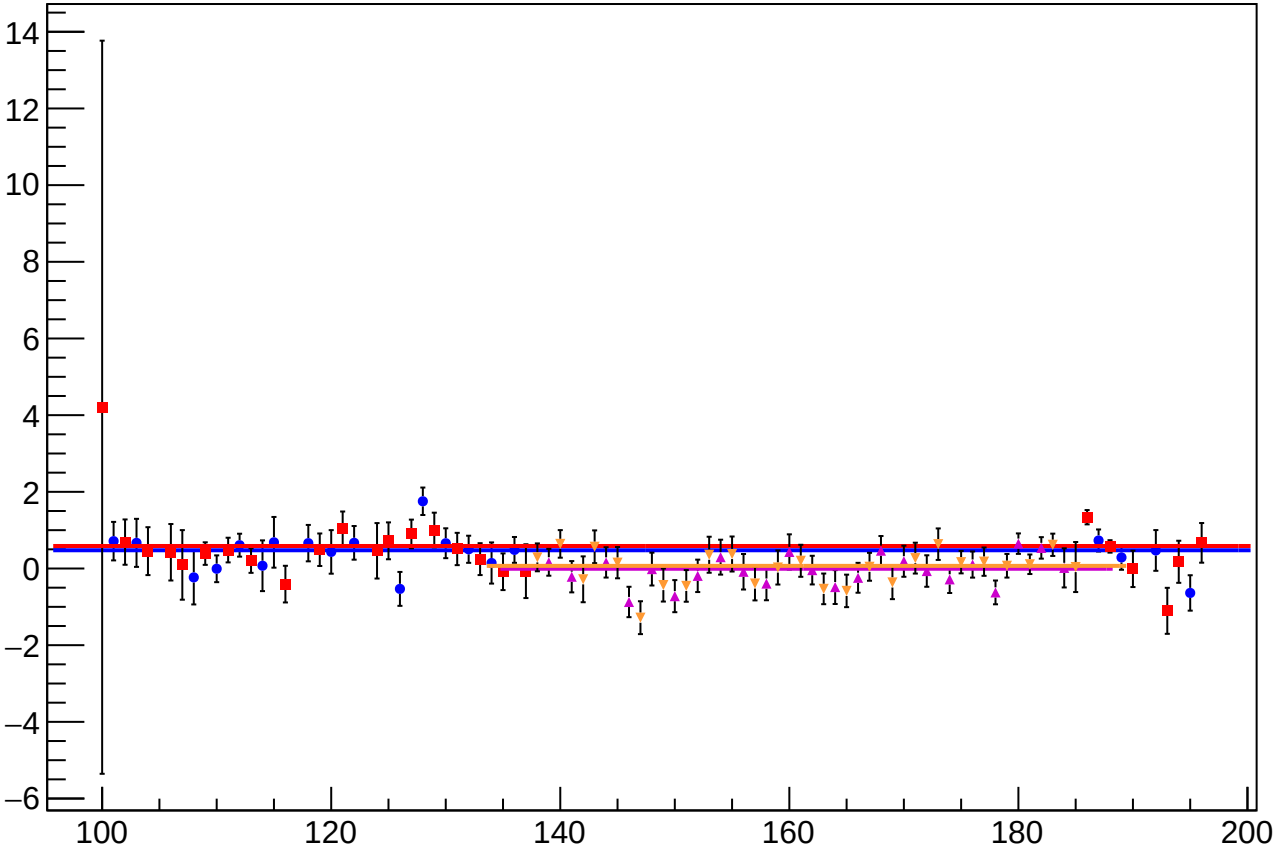
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 59.7/43

All: 0.032+/-0.002 χ^2/NDF: 10139.7/91

- sign 0.032+/-0.003 χ^2/NDF: 10079.9/47

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.476+/-0.093 χ^2/NDF: 29.7/19

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.587+/-0.076 χ^2/NDF: 39.4/24

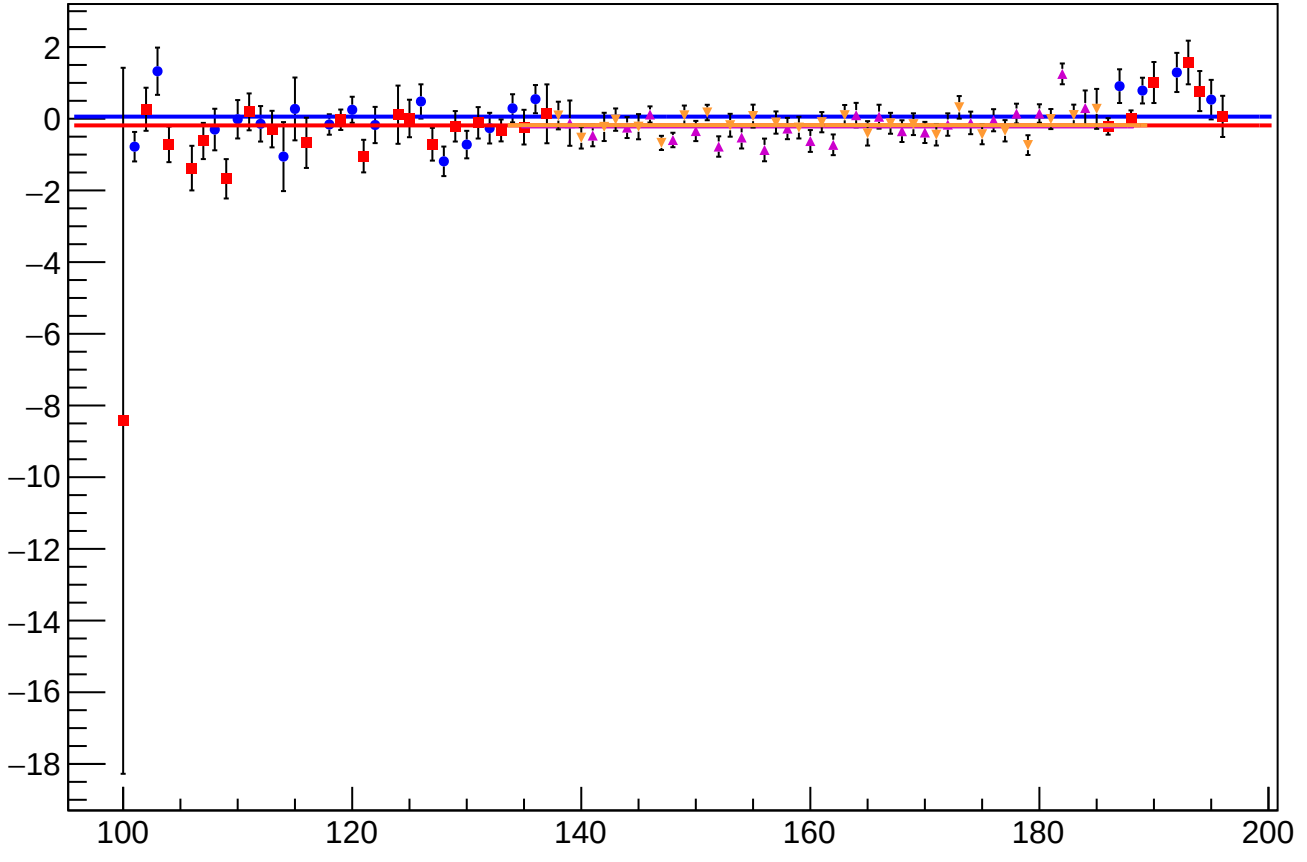
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.234+/-0.060 χ^2/NDF: 72.2/44

All: 0.271+/-0.040 χ^2/NDF: 169.8/92

- sign 0.302+/-0.055 χ^2/NDF: 96.9/47

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.059+/-0.100 χ^2/NDF: 40.6/19

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.186+/-0.088 χ^2/NDF: 37.6/24

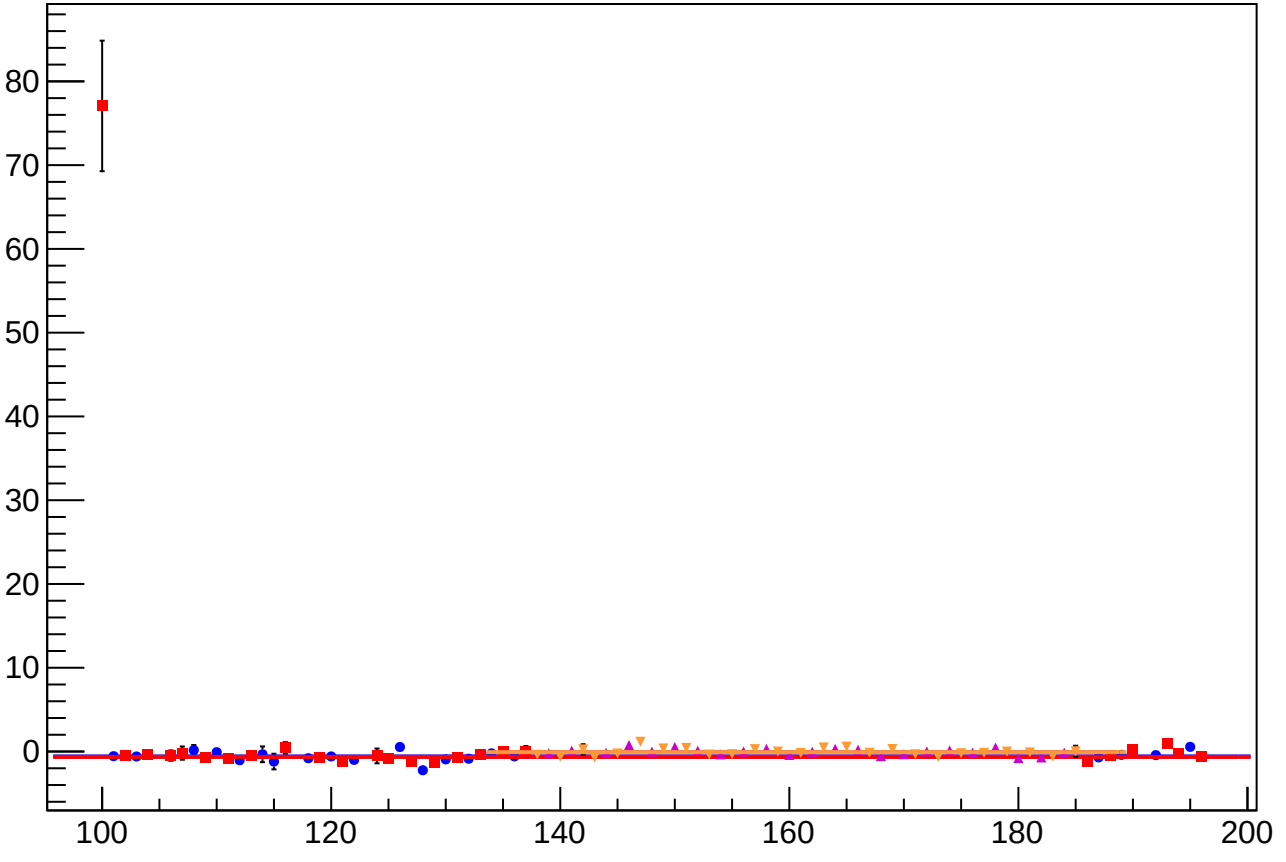
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.119+/-0.051 χ^2/NDF: 69.6/44

All: -0.163+/-0.036 χ^2/NDF: 162.3/92

- sign -0.206+/-0.050 χ^2/NDF: 91.2/47

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.588+/-0.095 χ^2/NDF: 35.0/19

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.643+/-0.073 χ^2/NDF: 136.6/24

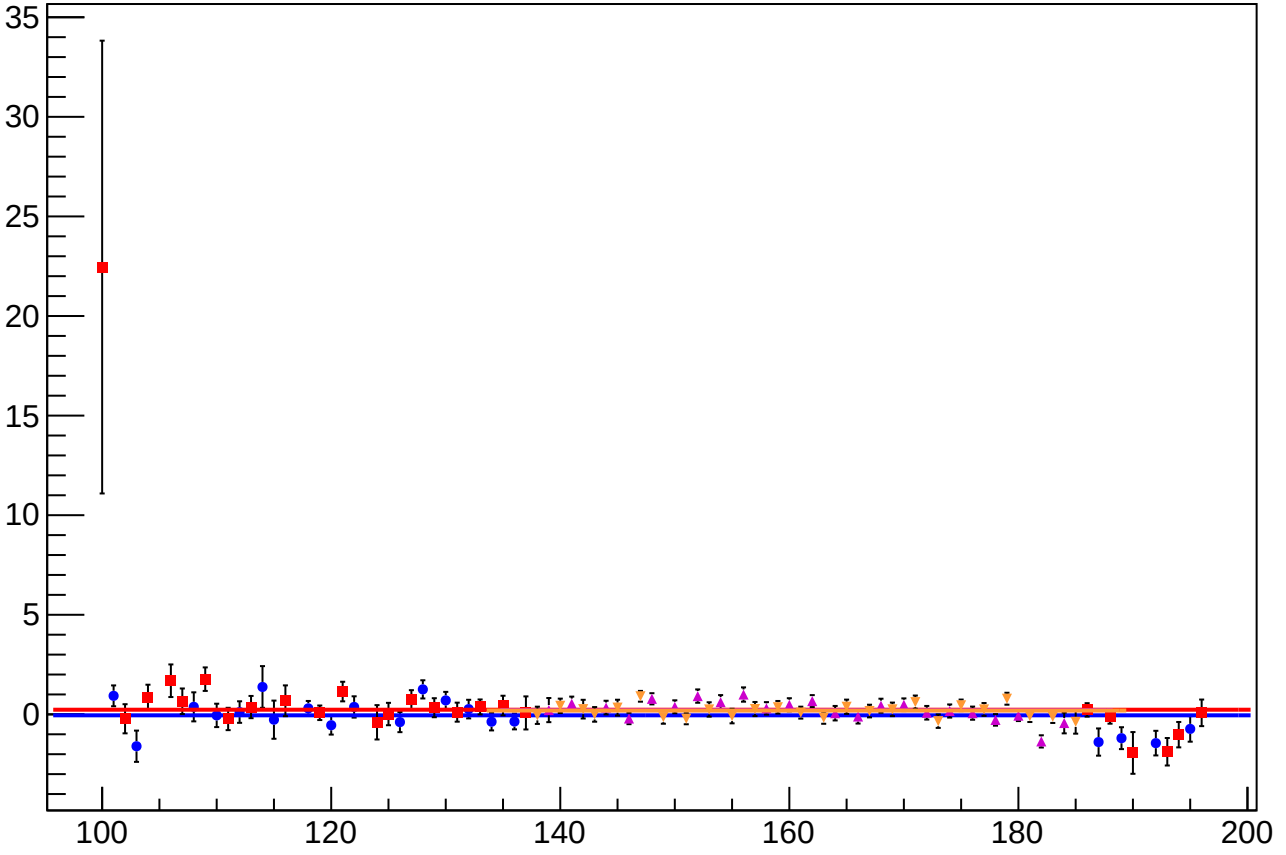
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.278+/-0.060 χ^2/NDF: 82.4/44

All: -0.335+/-0.040 χ^2/NDF: 277.1/92

- sign -0.381+/-0.053 χ^2/NDF: 193.0/47

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.048+/-0.118 χ^2/NDF: 40.1/19

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.233+/-0.108 χ^2/NDF: 41.1/24

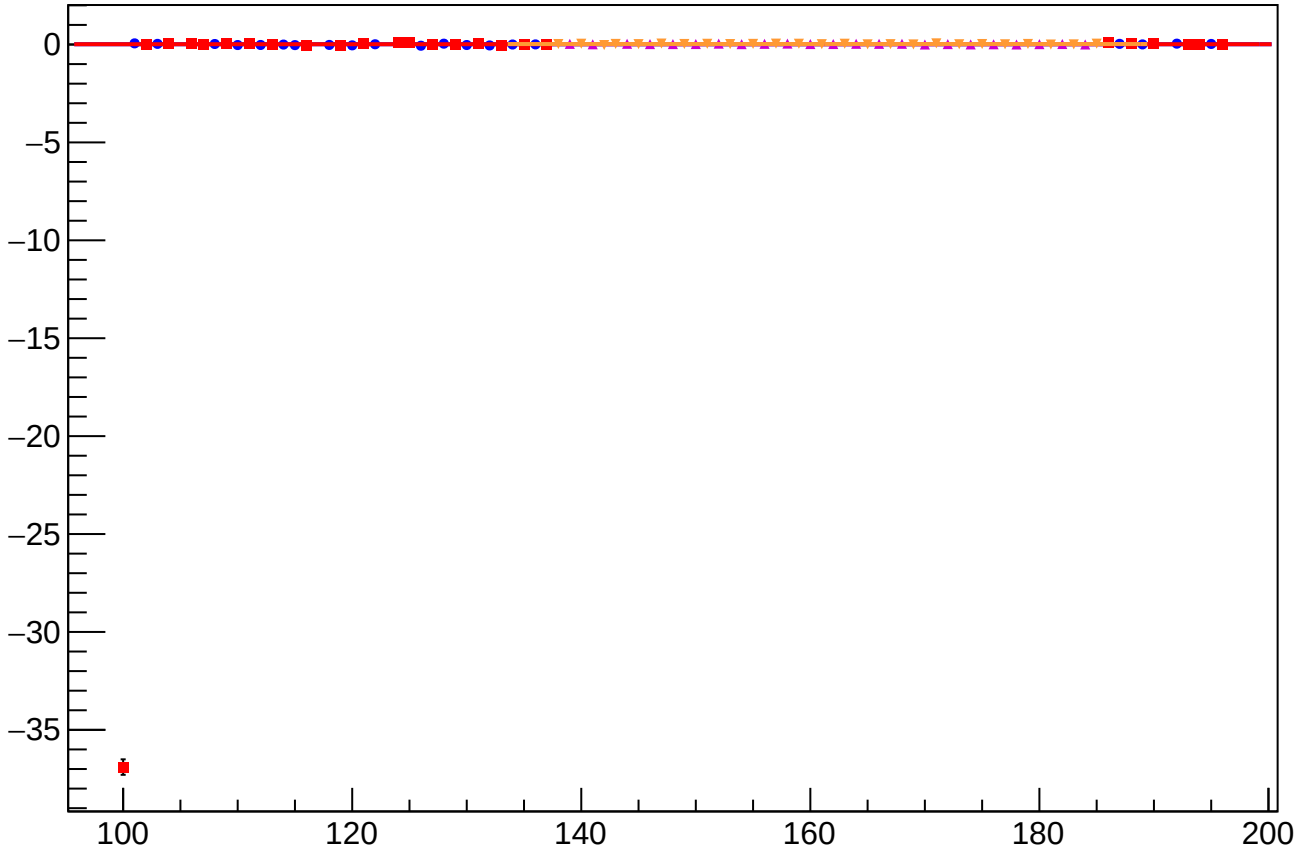
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.135+/-0.058 χ^2/NDF: 69.1/44

All: 0.178+/-0.041 χ^2/NDF: 166.3/92

- sign 0.220+/-0.058 χ^2/NDF: 96.2/47

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.006 χ^2/NDF: 21.9/19

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.006 χ^2/NDF: 8775.7/24

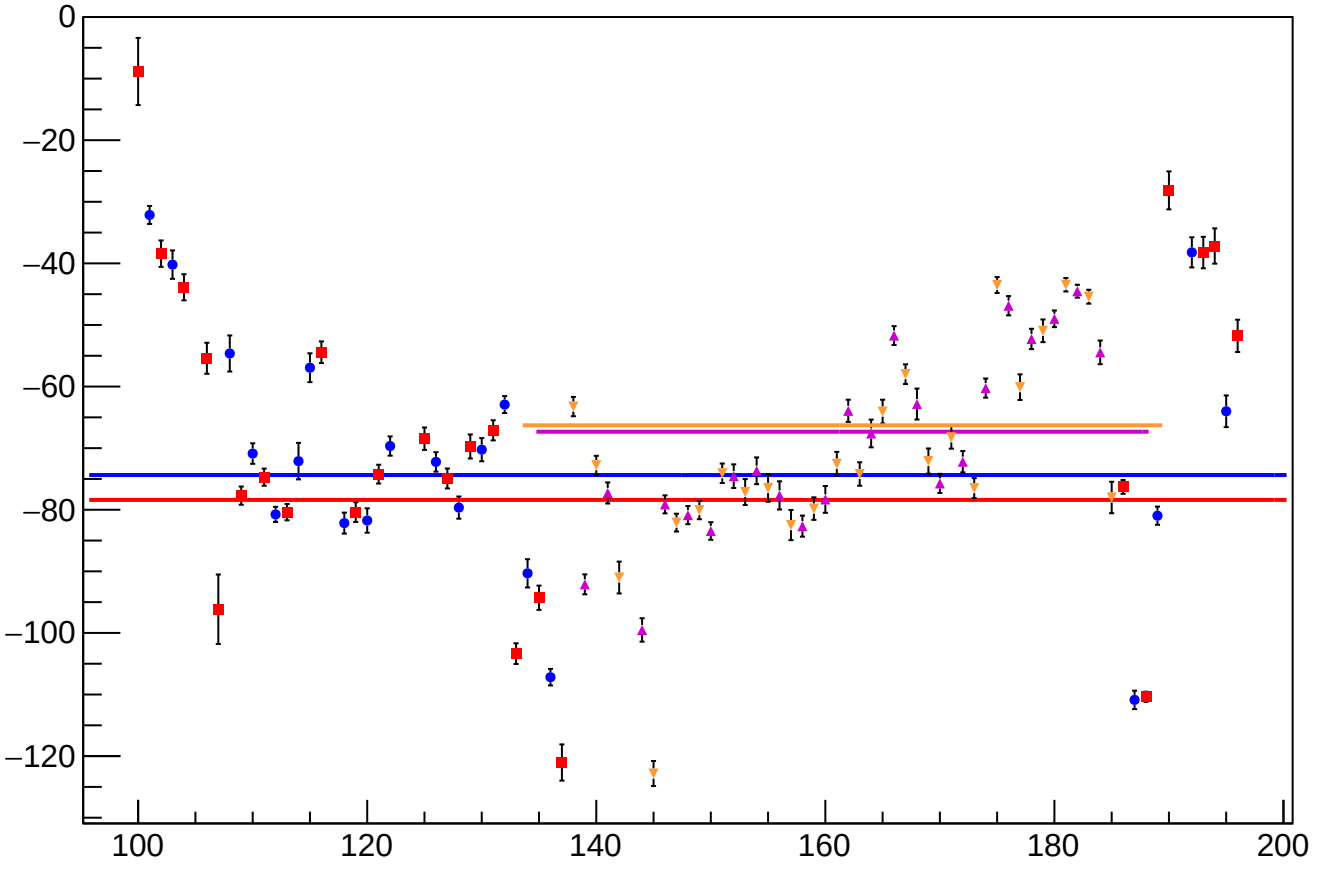
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 54.7/44

All: 0.022+/-0.002 χ^2/NDF: 8850.5/92

- sign 0.022+/-0.003 χ^2/NDF: 8795.8/47

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -74.365+/-0.390 χ^2/NDF: 2812.3/19

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.400+/-0.350 χ^2/NDF: 3988.3/23

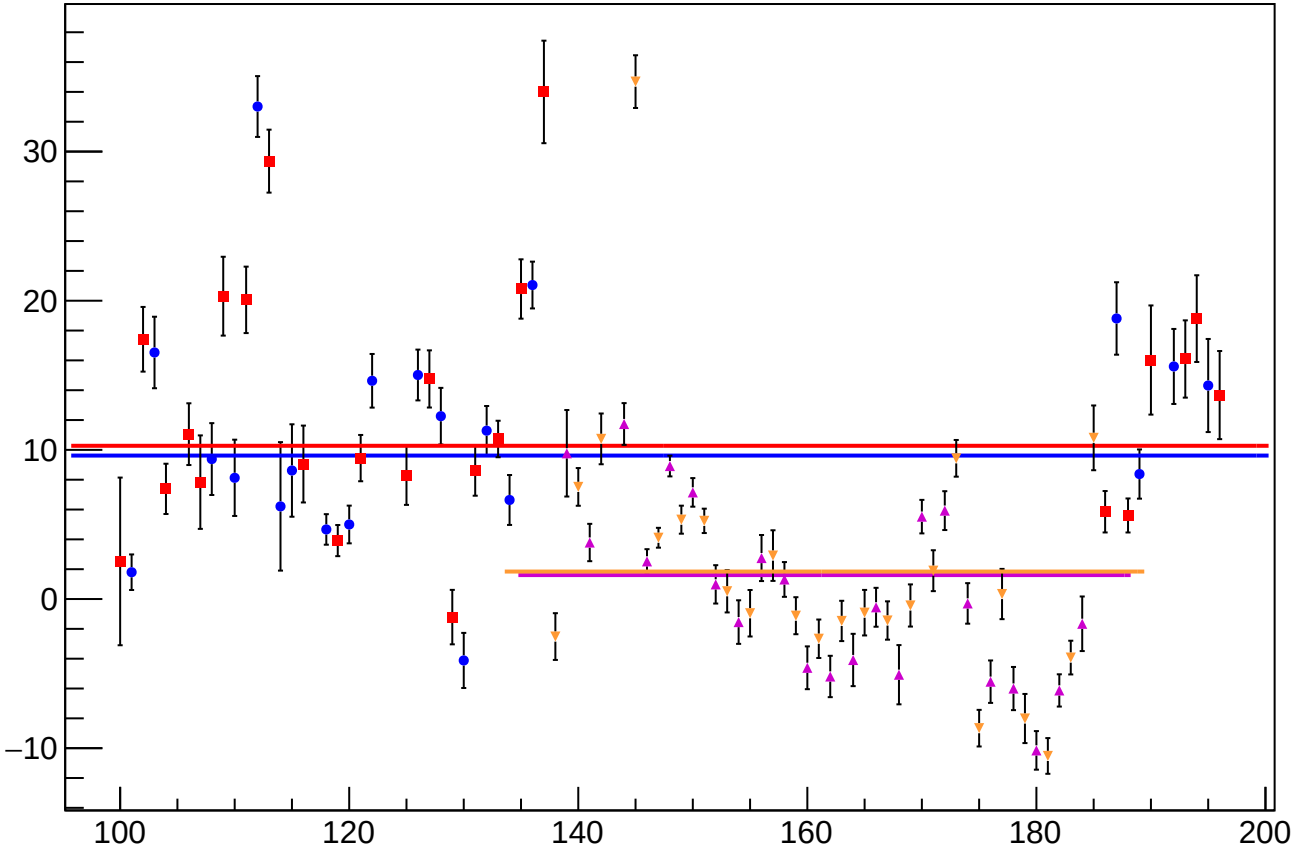
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.822+/-0.258 χ^2/NDF: 5604.1/43

All: -71.379+/-0.178 χ^2/NDF: 12272.0/90

- sign -72.791+/-0.246 χ^2/NDF: 6598.4/46

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.618+/-0.397 χ^2/NDF: 376.0/19

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.274+/-0.381 χ^2/NDF: 336.5/23

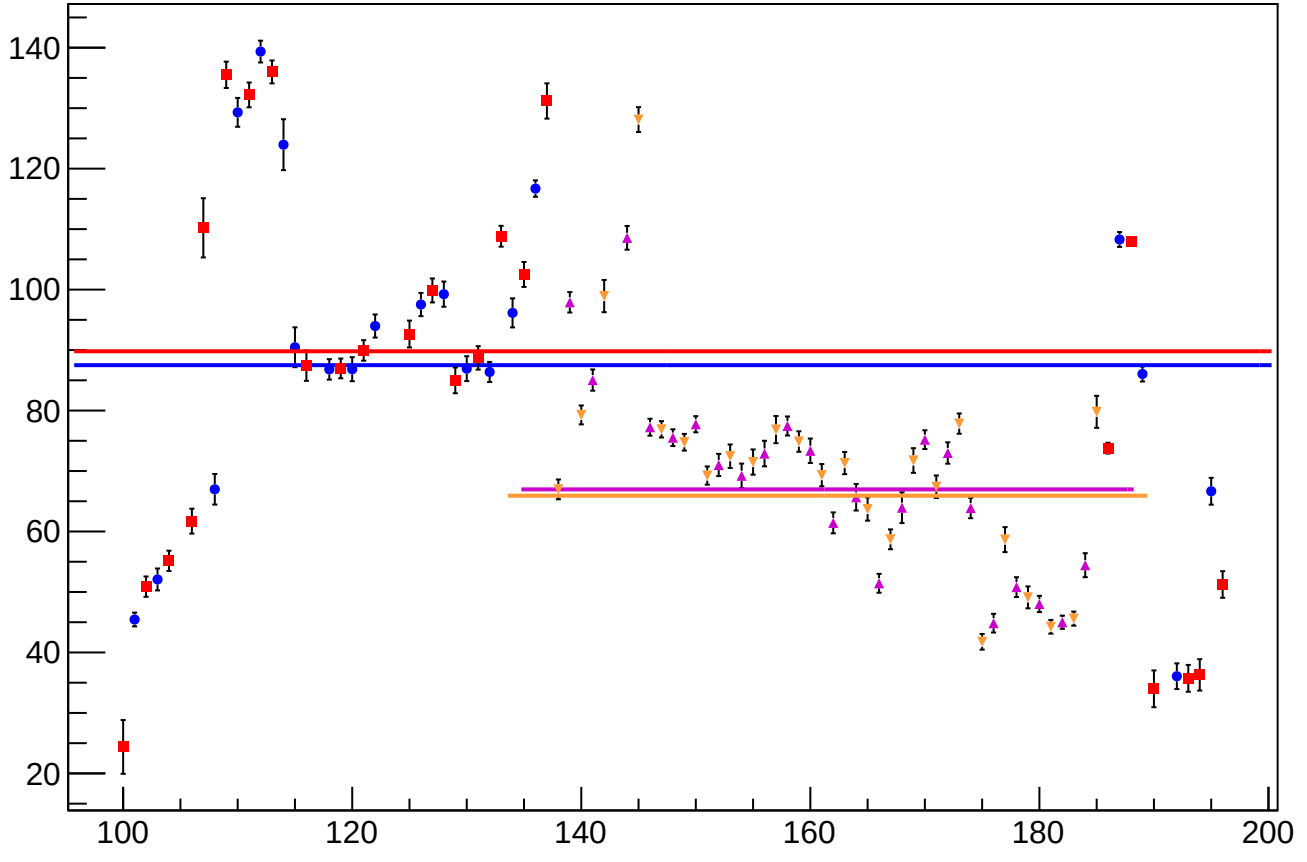
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.103+/-0.214 χ^2/NDF: 1429.0/43

All: 4.222+/-0.151 χ^2/NDF: 2618.0/90

\- sign 4.341+/-0.214 χ^2/NDF: 1188.3/46

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 87.505+/-0.399 χ^2/NDF: 4523.4/19

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.802+/-0.344 χ^2/NDF: 5971.1/23

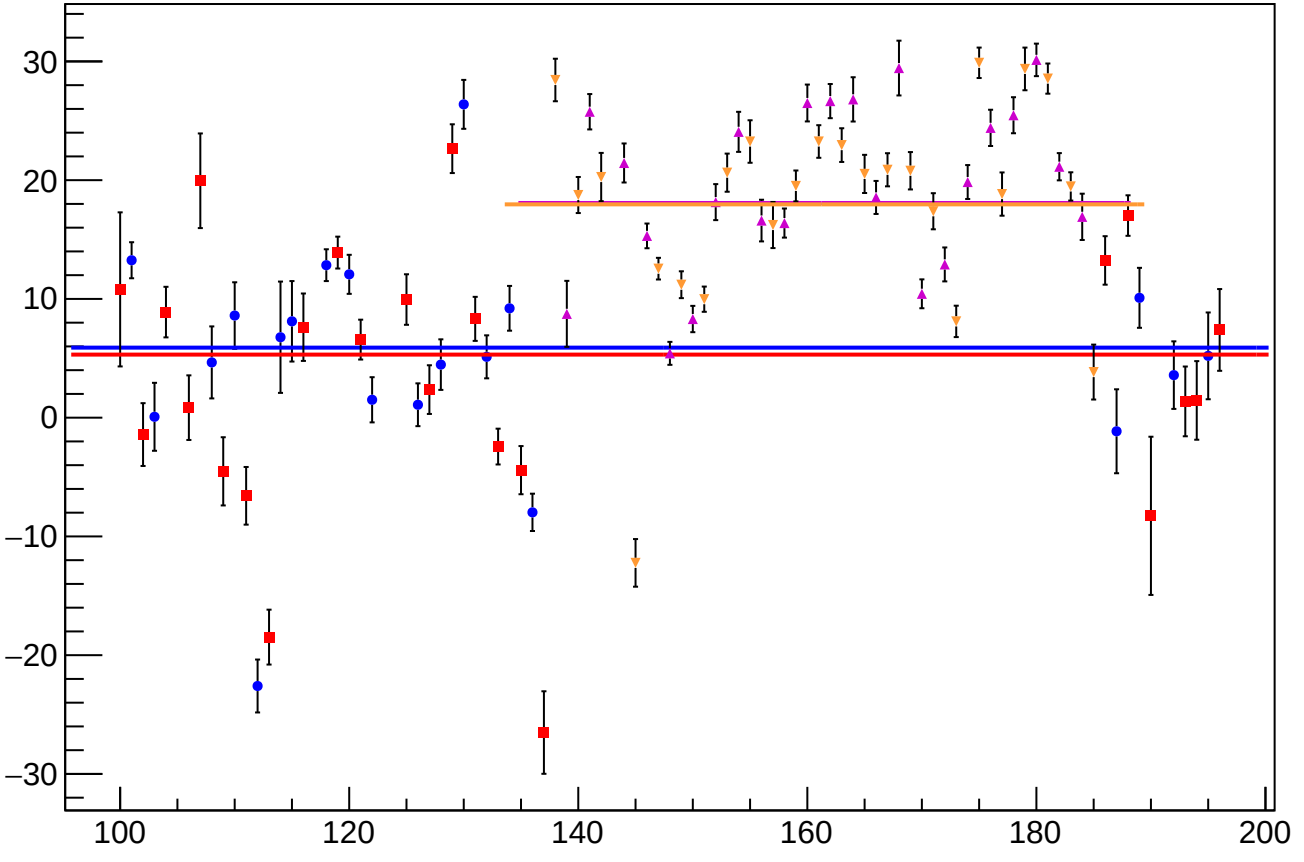
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.022+/-0.259 χ^2/NDF: 8772.8/43

All: 76.768+/-0.177 χ^2/NDF: 19273.3/90

- sign 78.296+/-0.242 χ^2/NDF: 10415.3/46

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.898+/-0.470 χ^2/NDF: 434.2/19

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.311+/-0.459 χ^2/NDF: 494.0/23

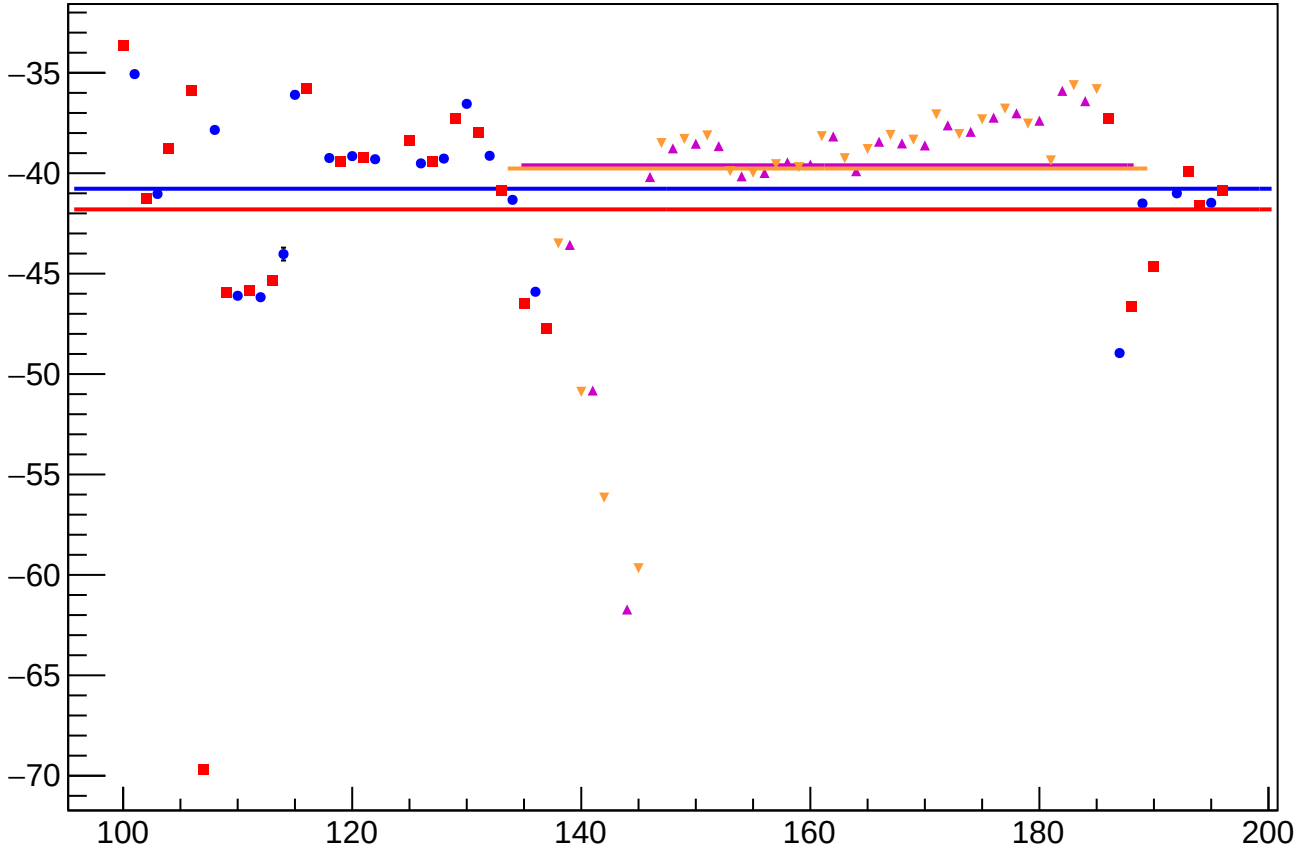
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.607+/-0.248 χ^2/NDF: 1641.4/43

All: 14.478+/-0.175 χ^2/NDF: 3288.9/90

- sign 14.349+/-0.248 χ^2/NDF: 1646.9/46

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.773+/-0.025 χ^2/NDF: 20036.7/19

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.801+/-0.024 χ^2/NDF: 41454.3/23

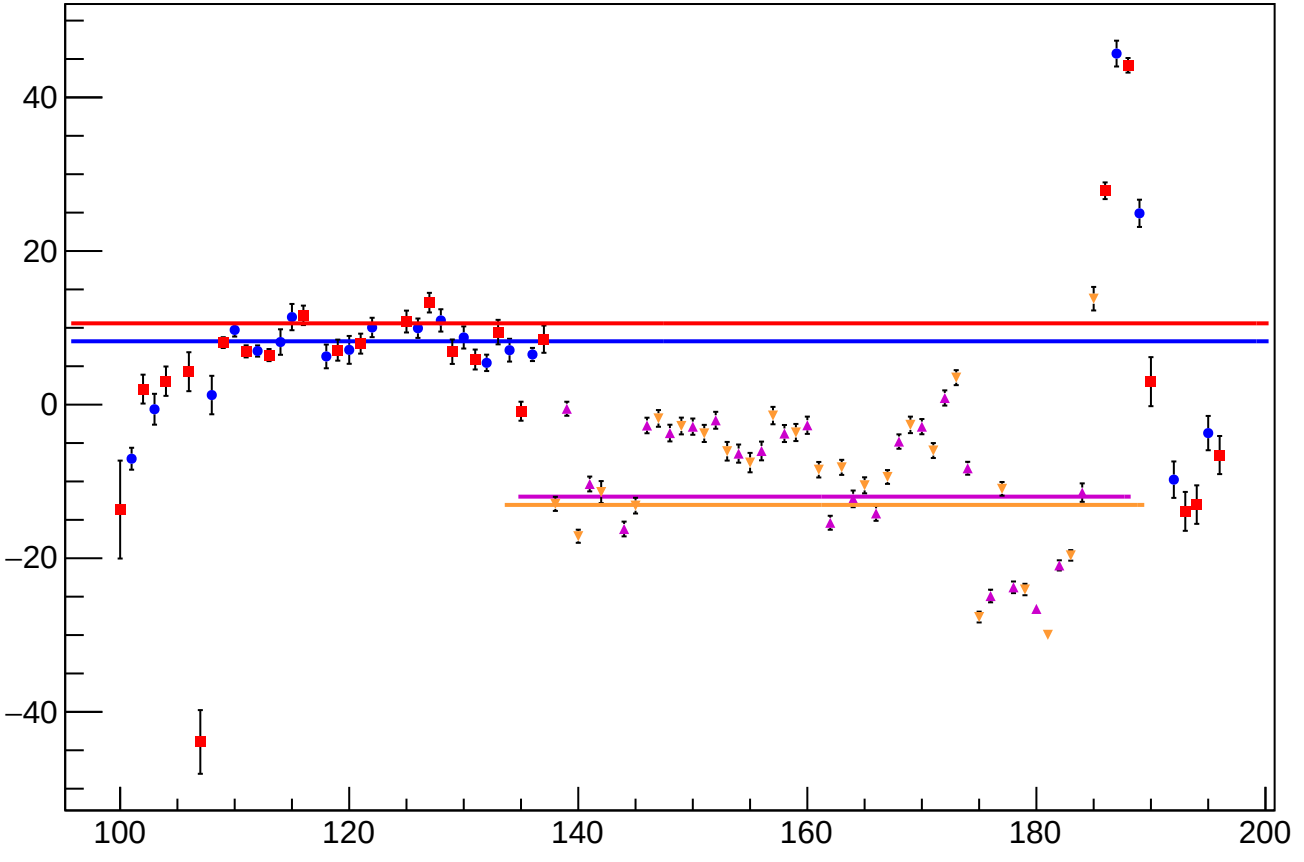
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.987+/-0.012 χ^2/NDF: 151163.1/43

All: -40.051+/-0.008 χ^2/NDF: 305526.4/90

- sign -40.113+/-0.012 χ^2/NDF: 154306.7/46

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.249+/-0.295 χ^2/NDF: 843.0/19

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.585+/-0.269 χ^2/NDF: 2149.6/23

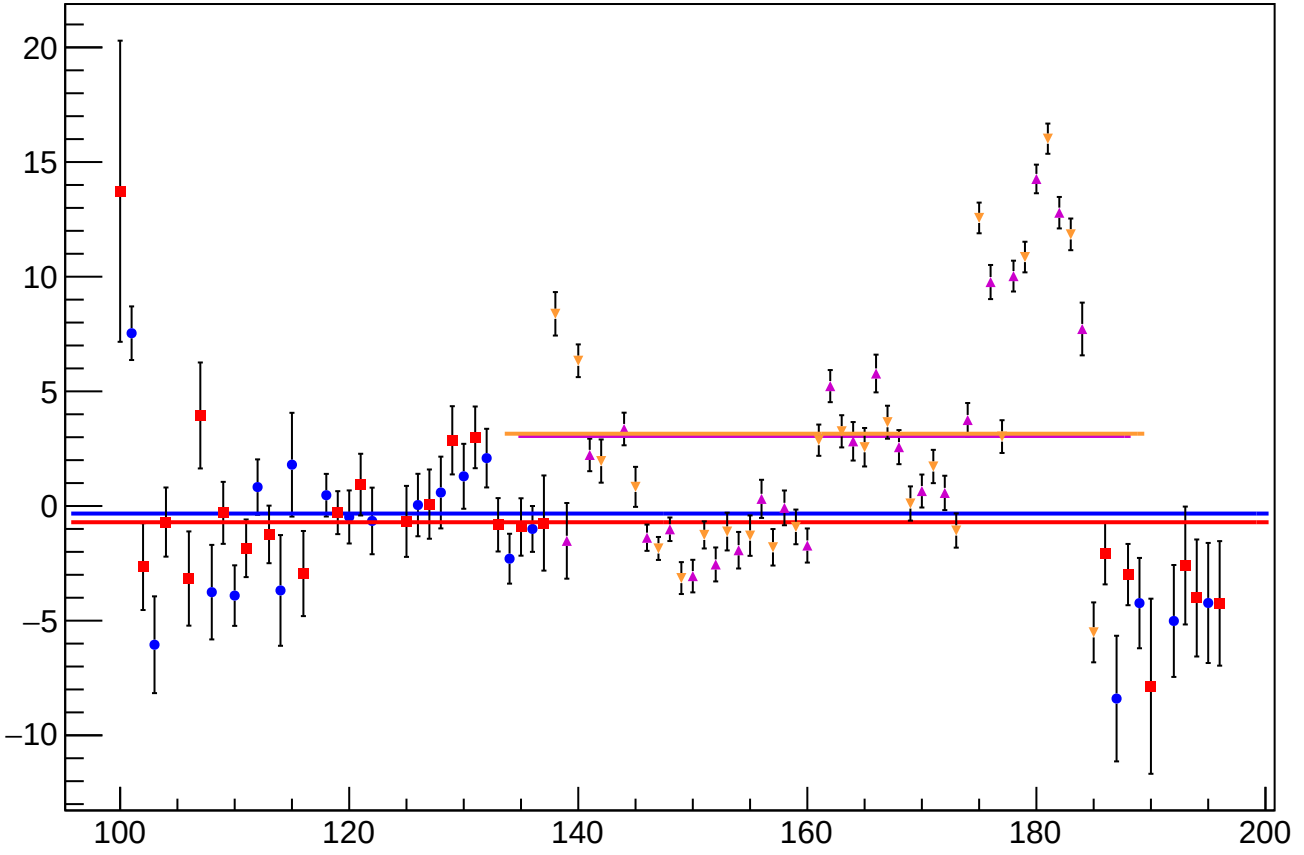
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.674+/-0.161 χ^2/NDF: 7368.7/43

All: -5.411+/-0.113 χ^2/NDF: 16409.8/90

- sign -4.196+/-0.158 χ^2/NDF: 8920.9/46

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.329+/-0.319 χ^2/NDF: 94.8/19

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.707+/-0.315 χ^2/NDF: 40.6/23

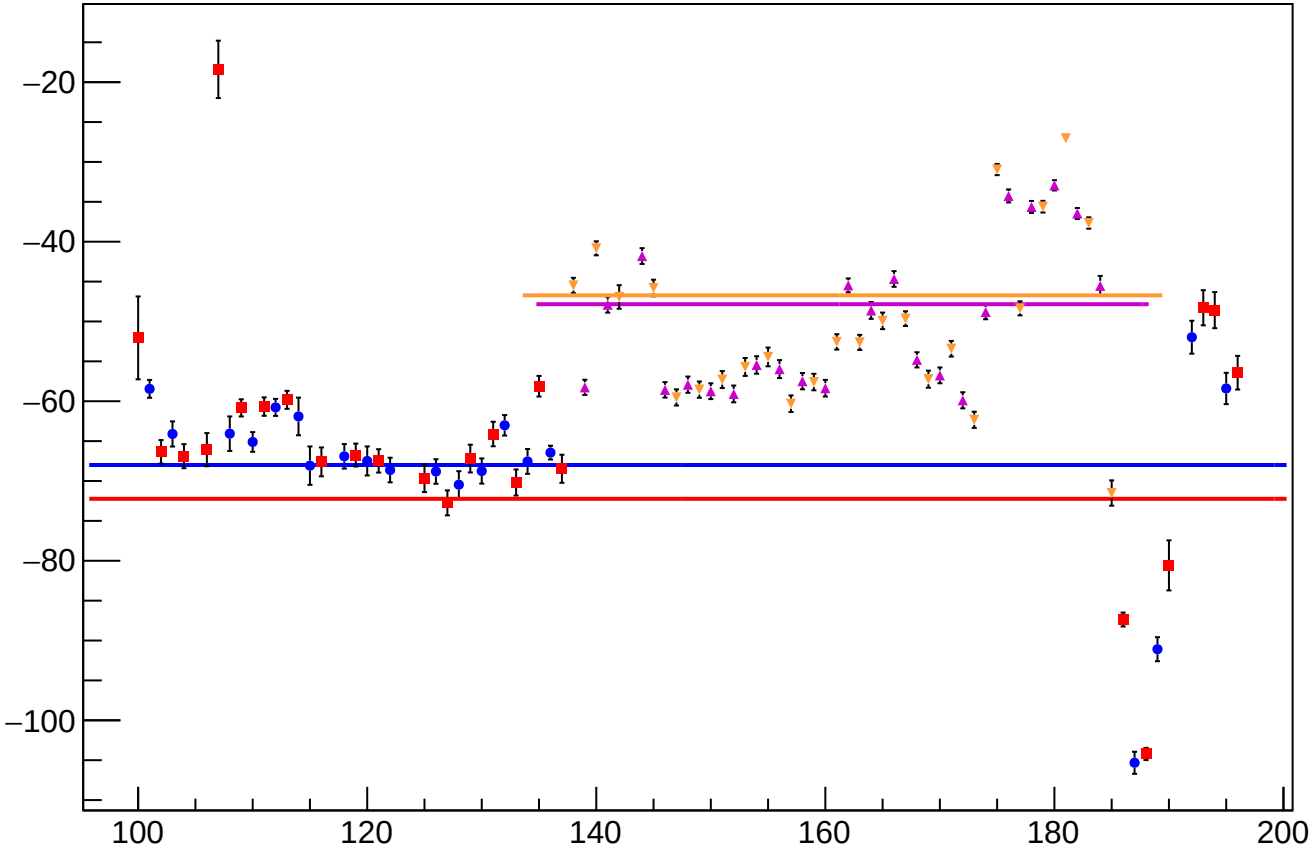
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.530+/-0.135 χ^2/NDF: 1577.5/43

All: 2.439+/-0.096 χ^2/NDF: 2879.5/90

- sign 2.346+/-0.137 χ^2/NDF: 1301.1/46

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.992+/-0.325 χ^2/NDF: 1211.2/19

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -72.233+/-0.296 χ^2/NDF: 3141.2/23

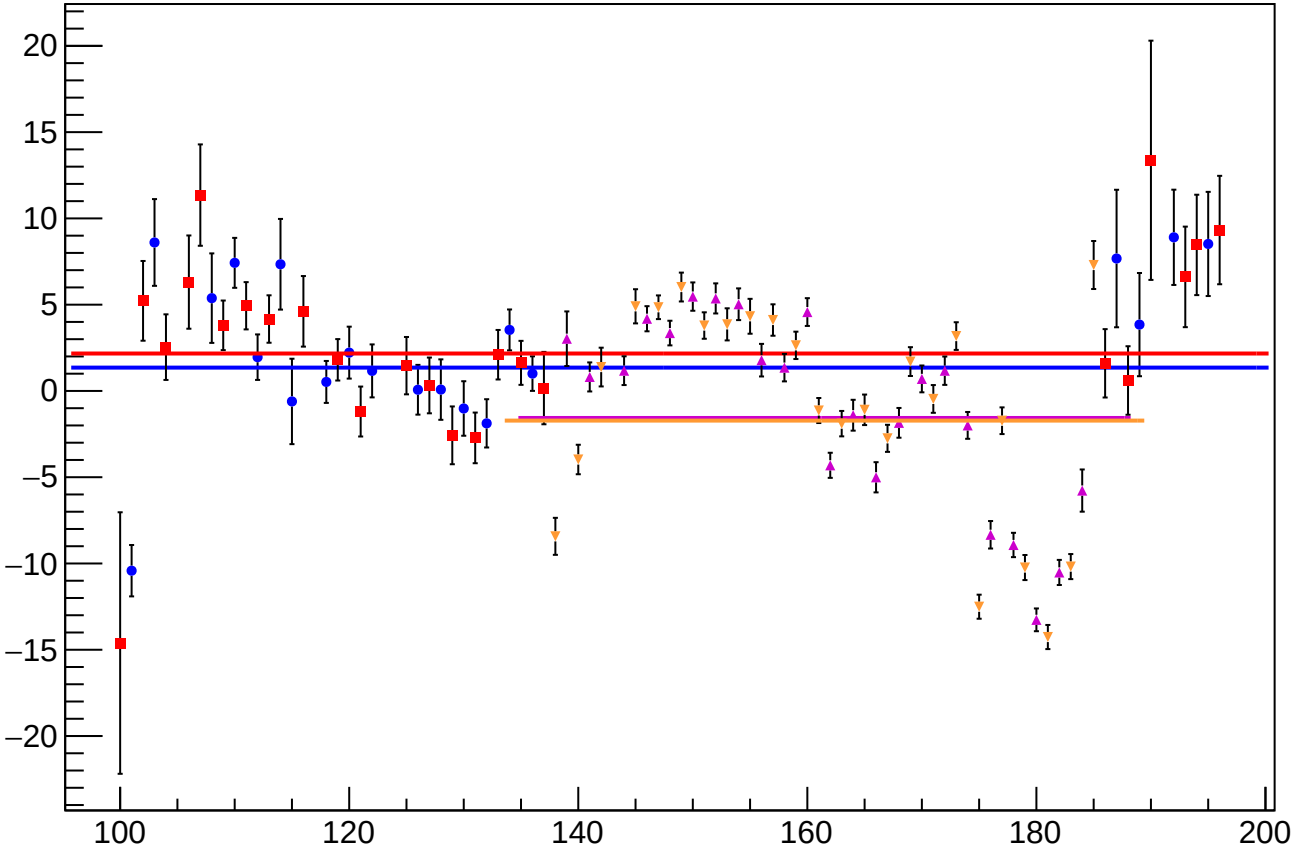
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.195+/-0.165 χ^2/NDF: 7828.5/43

All: -53.711+/-0.116 χ^2/NDF: 18456.8/90

- sign -55.172+/-0.162 χ^2/NDF: 10462.6/46

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.352+/-0.365 χ^2/NDF: 126.4/19

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.169+/-0.366 χ^2/NDF: 70.4/23

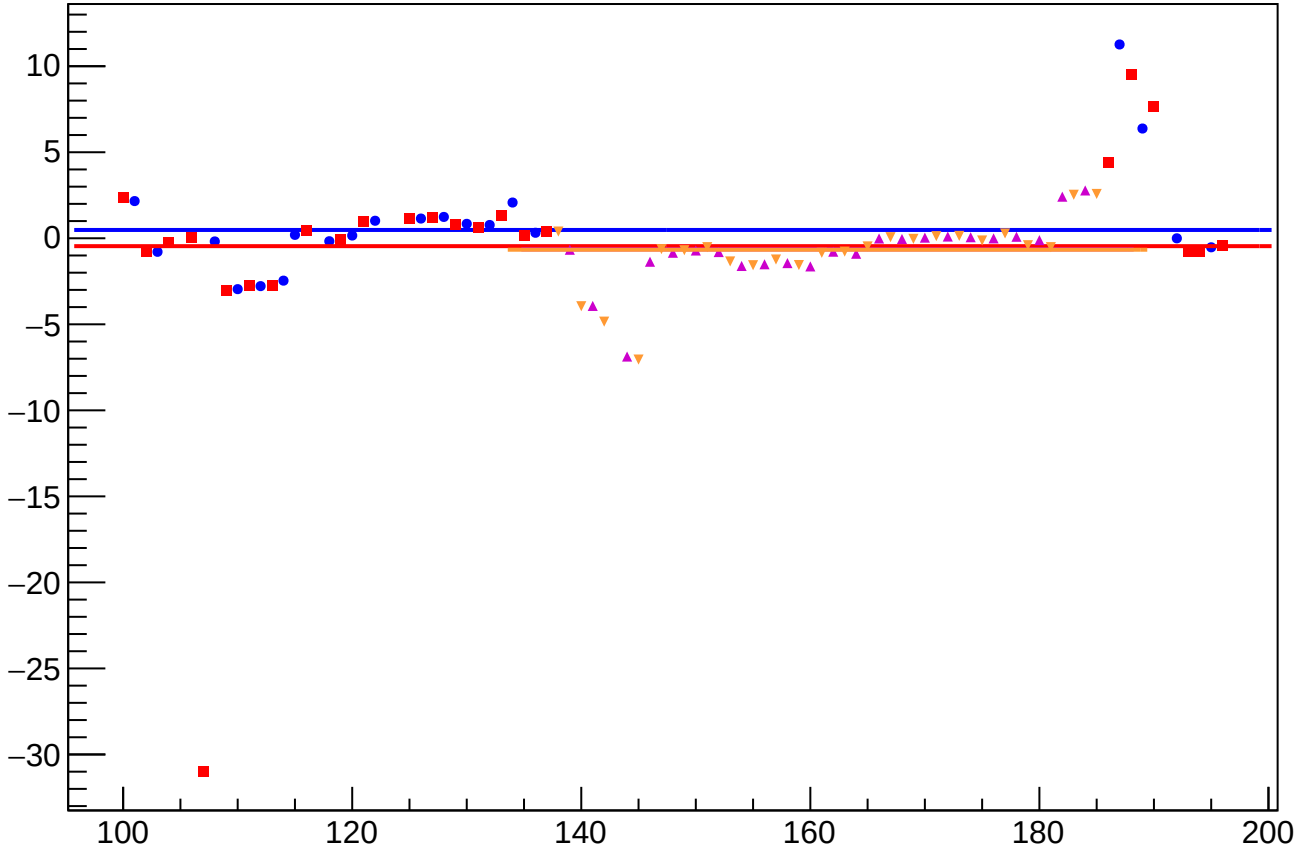
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.183+/-0.152 χ^2/NDF: 1590.9/43

All: -1.044+/-0.109 χ^2/NDF: 2866.2/90

- sign -0.901+/-0.155 χ^2/NDF: 1273.6/46

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.483+/-0.020 χ^2/NDF: 9551.5/19

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.458+/-0.020 χ^2/NDF: 59938.3/23

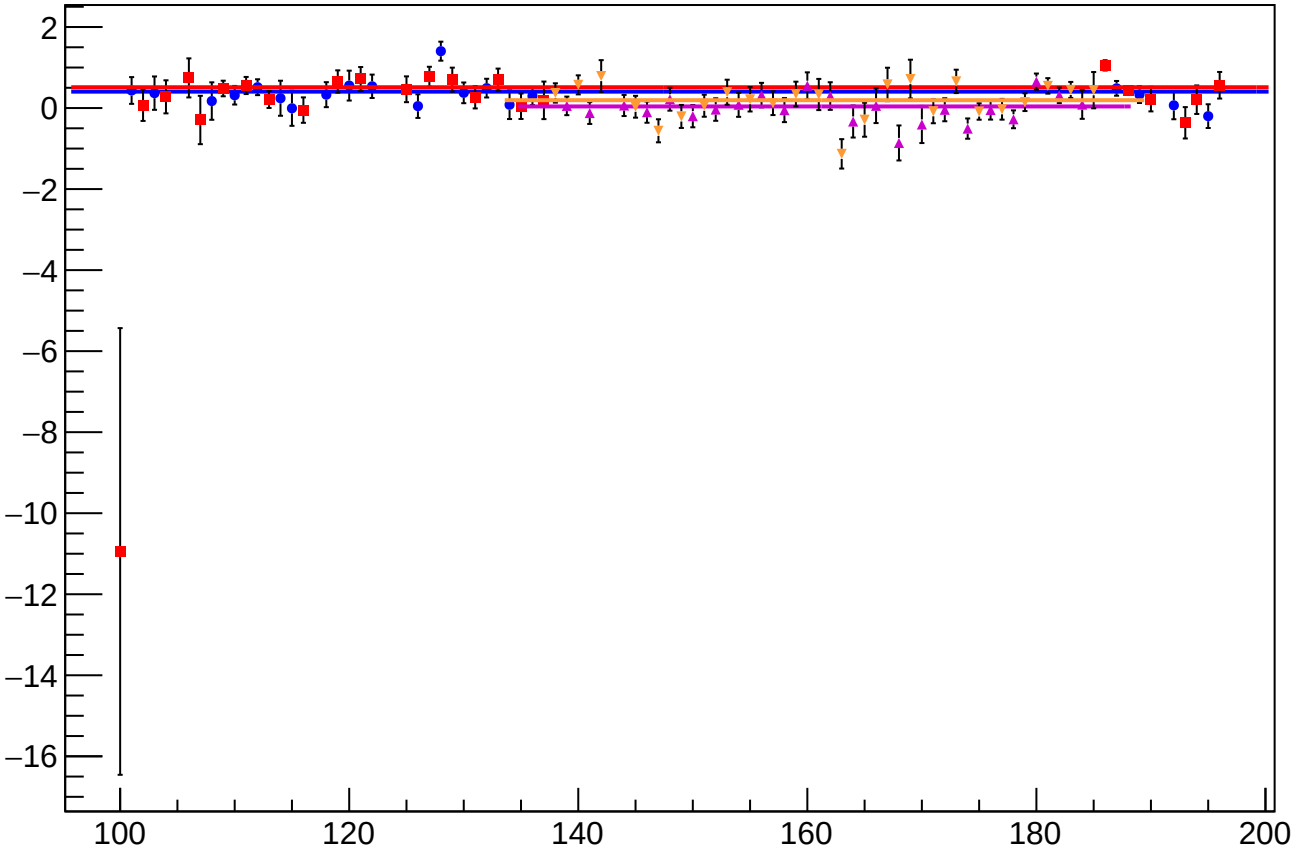
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67808.5/43

All: -0.570+/-0.005 χ^2/NDF: 173502.7/90

- sign -0.622+/-0.007 χ^2/NDF: 105587.2/46

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.405+/-0.061 χ^2/NDF: 28.6/19

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.513+/-0.050 χ^2/NDF: 45.4/23

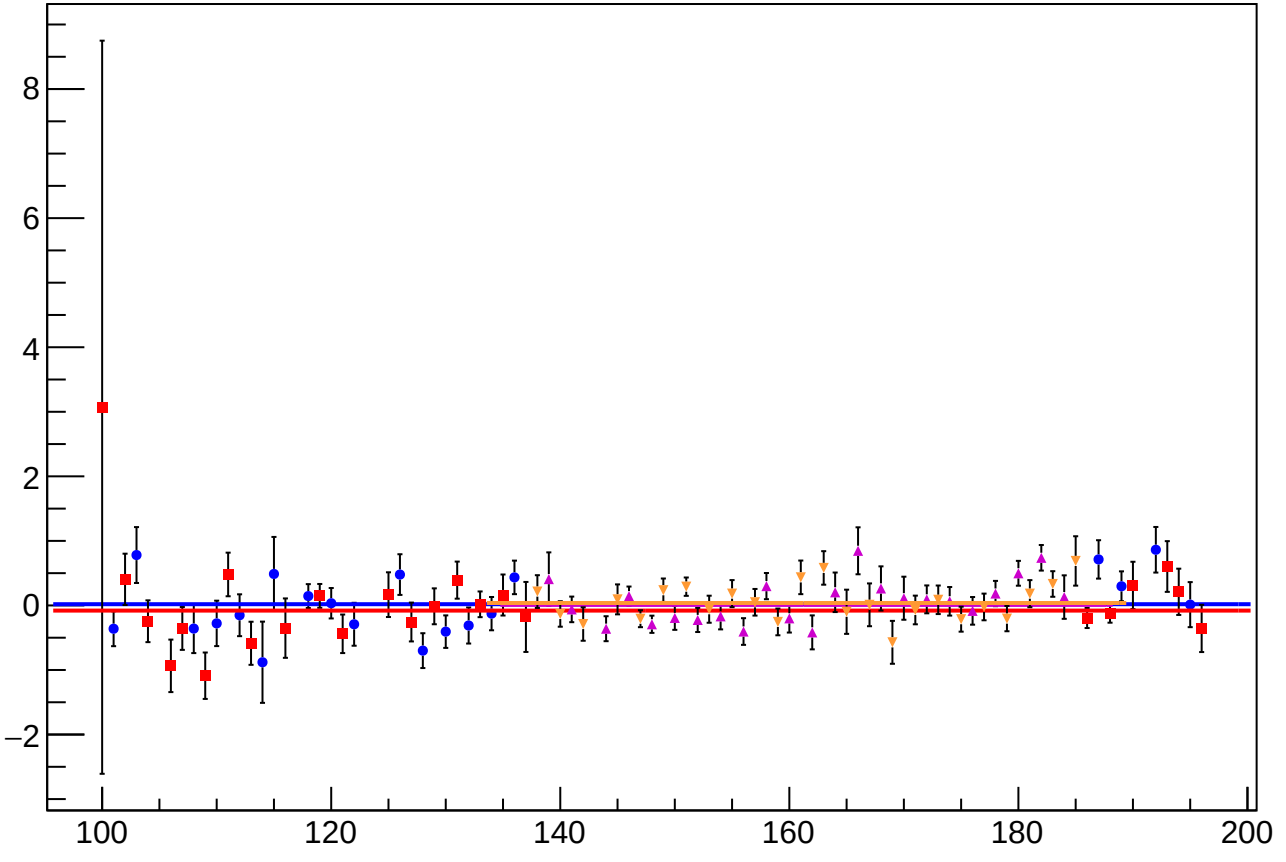
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.292+/-0.041 χ^2/NDF: 79.3/43

All: 0.301+/-0.028 χ^2/NDF: 193.7/90

- sign 0.309+/-0.038 χ^2/NDF: 114.3/46

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.019+/-0.065 χ^2/NDF: 40.0/19

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.080+/-0.058 χ^2/NDF: 33.9/23

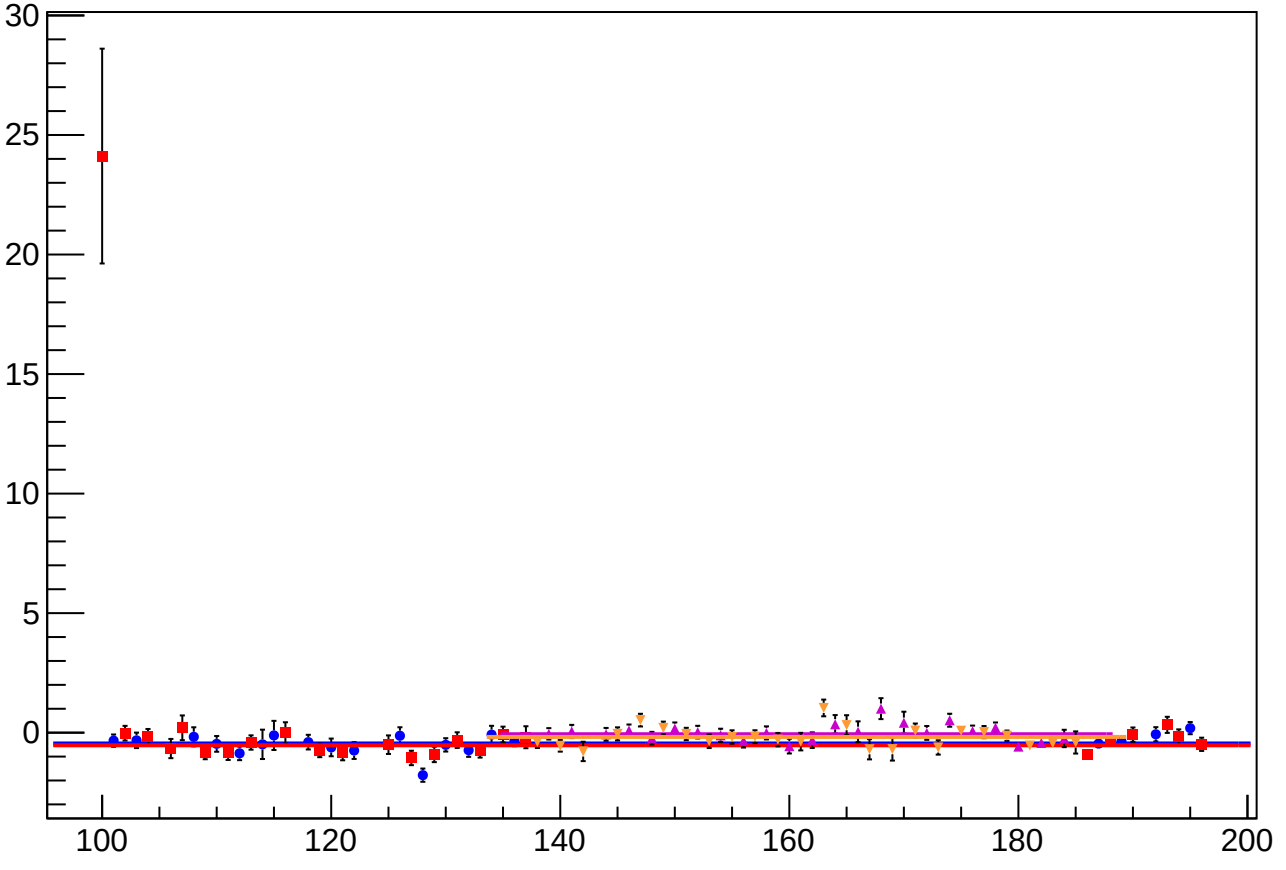
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.032+/-0.036 χ^2/NDF: 72.9/43

All: 0.003+/-0.025 χ^2/NDF: 160.9/90

- sign -0.024+/-0.035 χ^2/NDF: 86.7/46

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.452+/-0.062 χ^2/NDF: 38.4/19

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.528+/-0.048 χ^2/NDF: 75.0/23

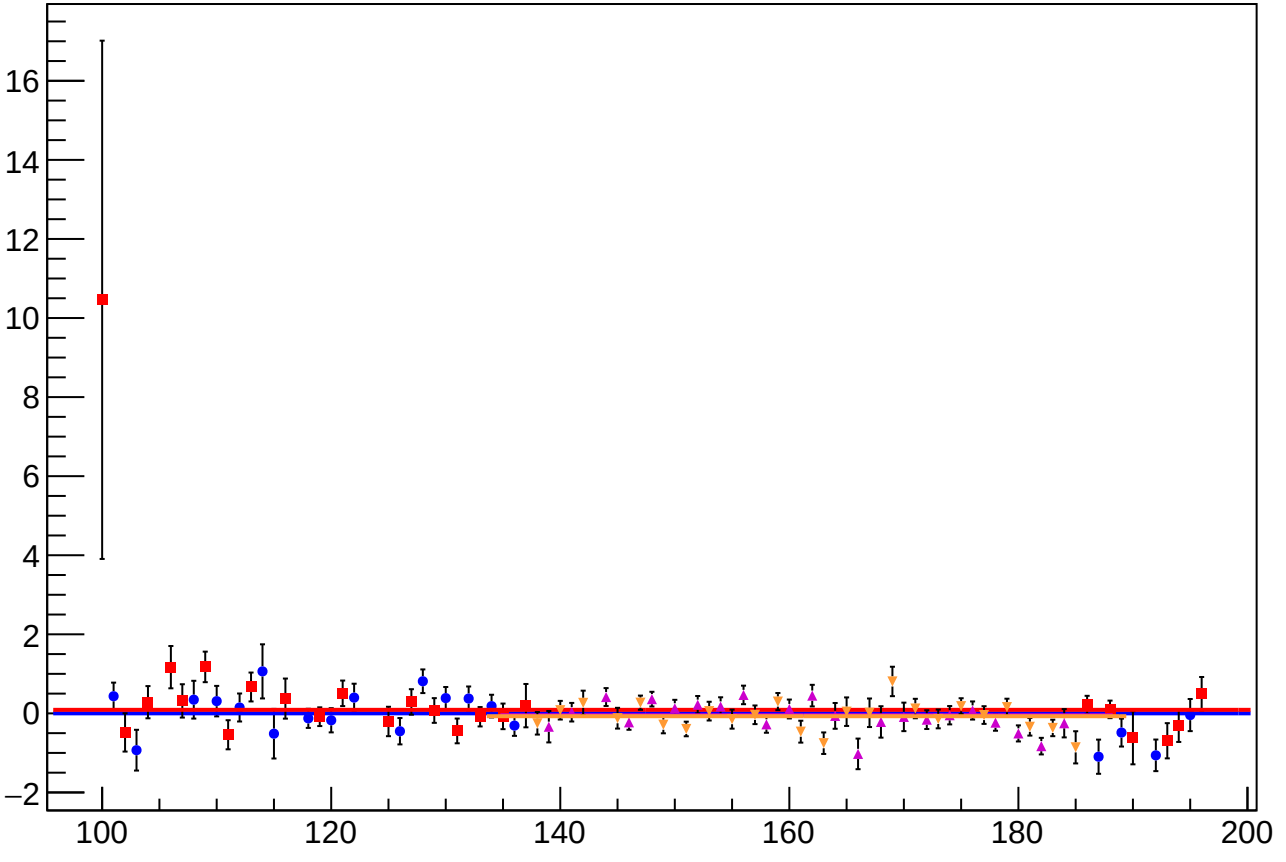
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.302+/-0.042 χ^2/NDF: 91.2/43

All: -0.322+/-0.027 χ^2/NDF: 236.7/90

- sign -0.337+/-0.037 χ^2/NDF: 145.1/46

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.001+/-0.077 χ^2/NDF: 41.0/19

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.090+/-0.071 χ^2/NDF: 35.5/23

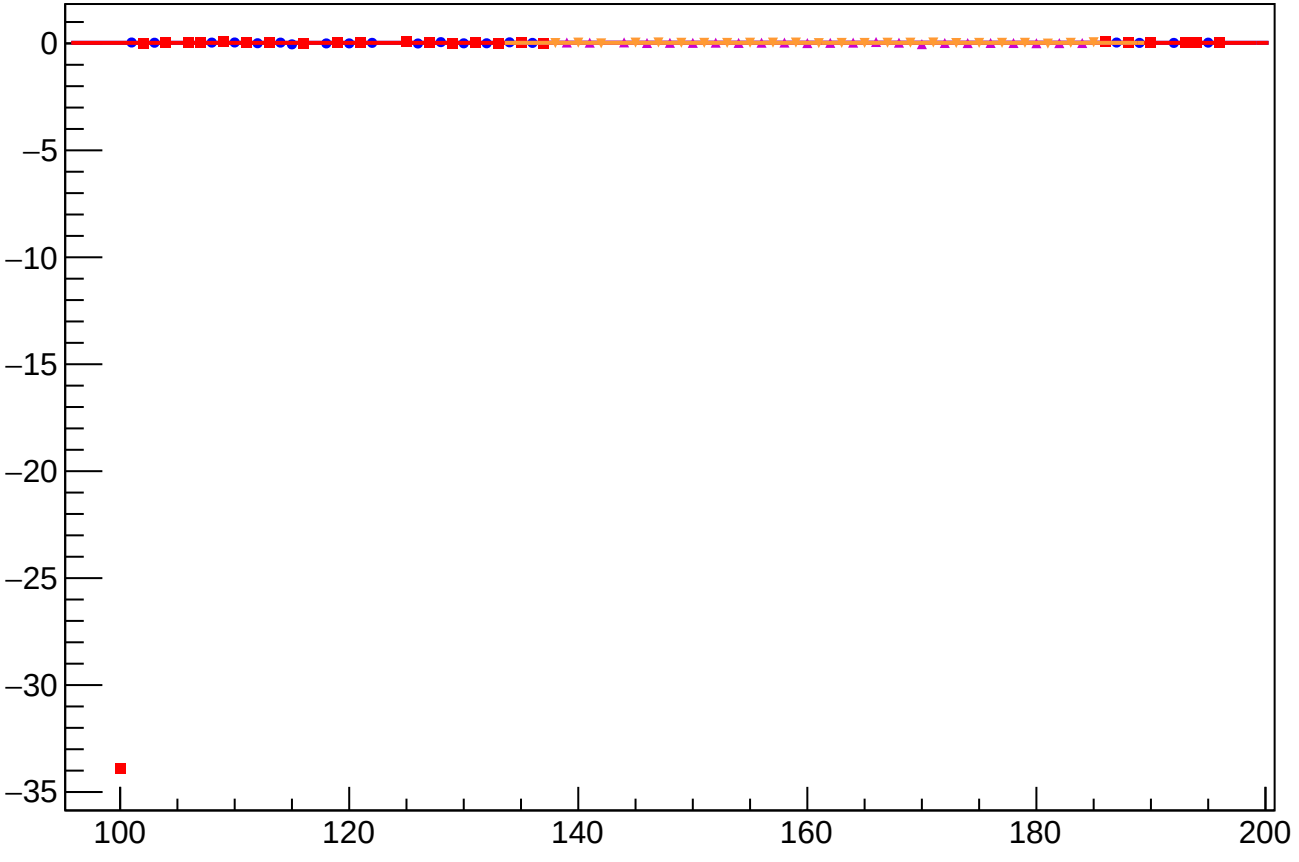
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.051+/-0.042 χ^2/NDF: 79.3/43

All: -0.026+/-0.029 χ^2/NDF: 168.4/90

- sign -0.002+/-0.041 χ^2/NDF: 88.4/46

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.028+/-0.004 χ^2/NDF: 15.5/19

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22304.6/23

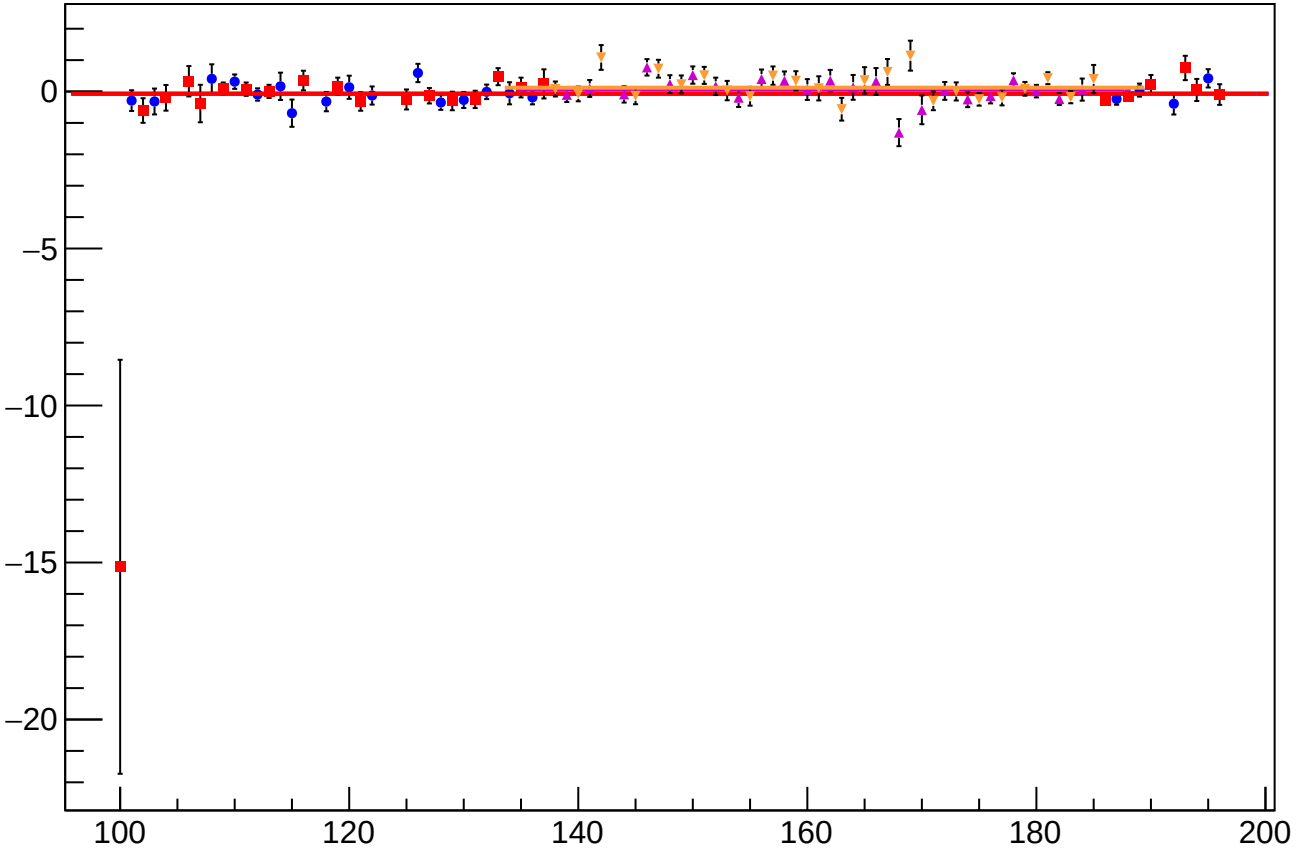
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 47.1/43

All: 0.026+/-0.001 χ^2/NDF: 22391.3/90

- sign 0.026+/-0.002 χ^2/NDF: 22344.2/46

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.068+/-0.061 χ^2/NDF: 20.4/19

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.071+/-0.050 χ^2/NDF: 28.5/23

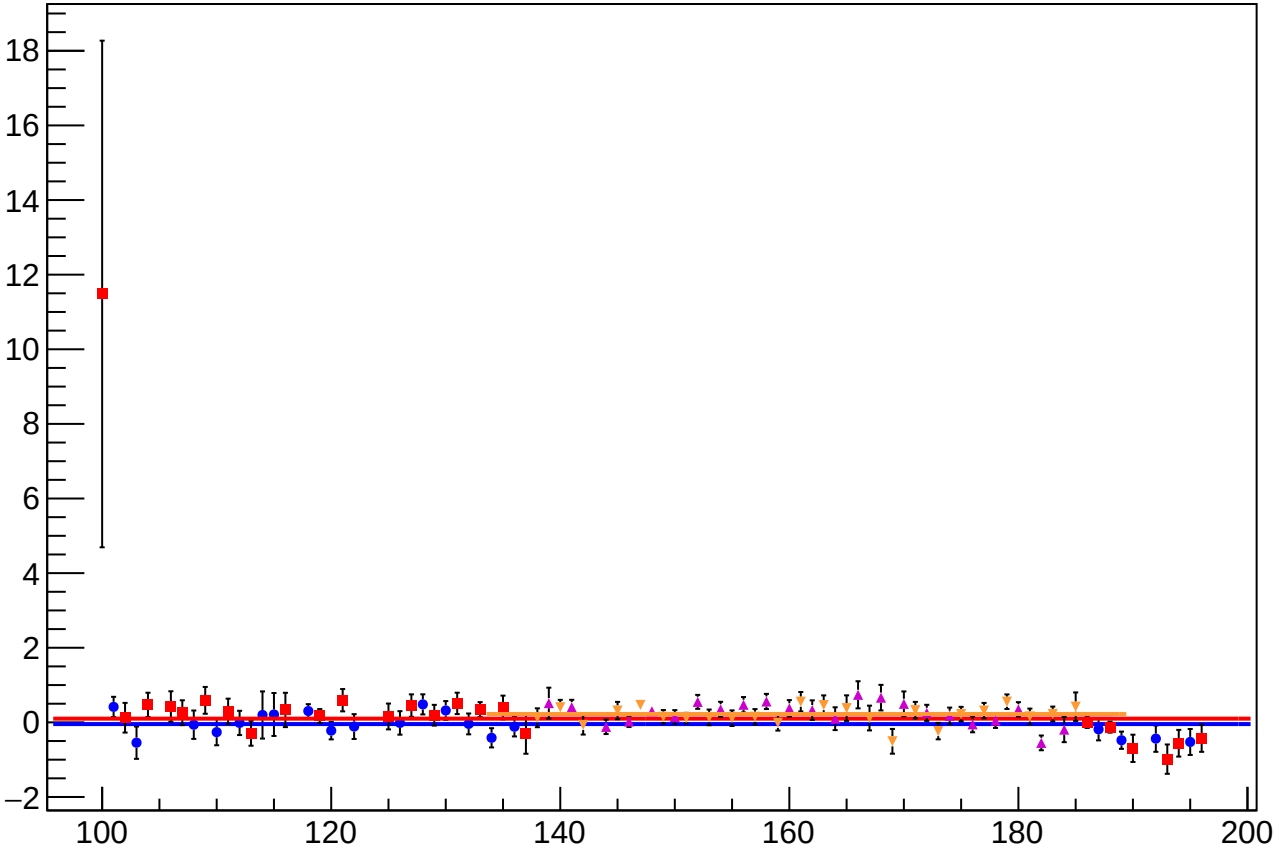
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.033+/-0.041 χ^2/NDF: 65.2/43

All: 0.008+/-0.028 χ^2/NDF: 131.7/90

- sign -0.013+/-0.038 χ^2/NDF: 65.8/46

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.046+/-0.065 χ^2/NDF: 24.1/19

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.100+/-0.058 χ^2/NDF: 38.6/23

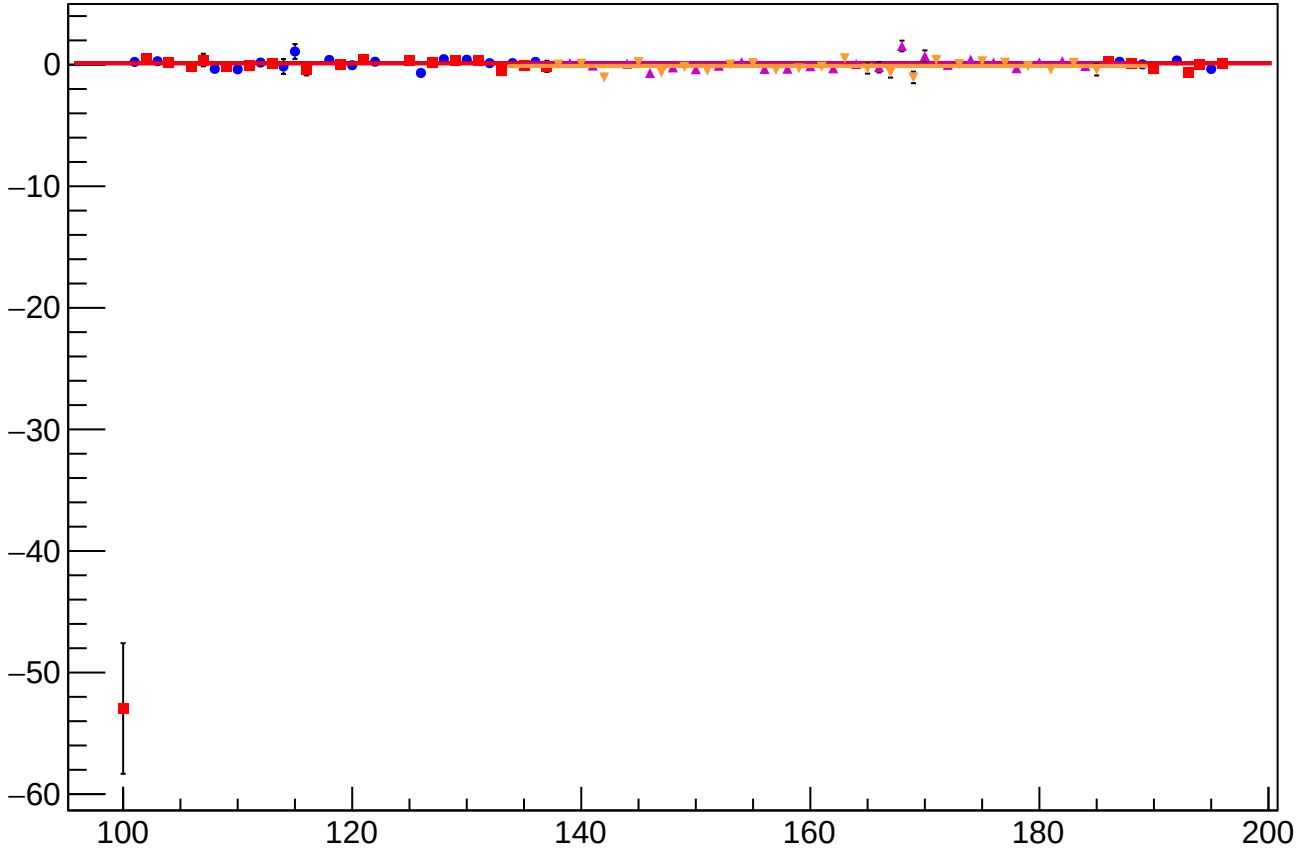
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.143+/-0.036 χ^2/NDF: 60.1/43

All: 0.160+/-0.025 χ^2/NDF: 141.3/90

- sign 0.176+/-0.035 χ^2/NDF: 80.7/46

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.131+/-0.062 χ^2/NDF: 20.8/19

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.111+/-0.048 χ^2/NDF: 118.4/23

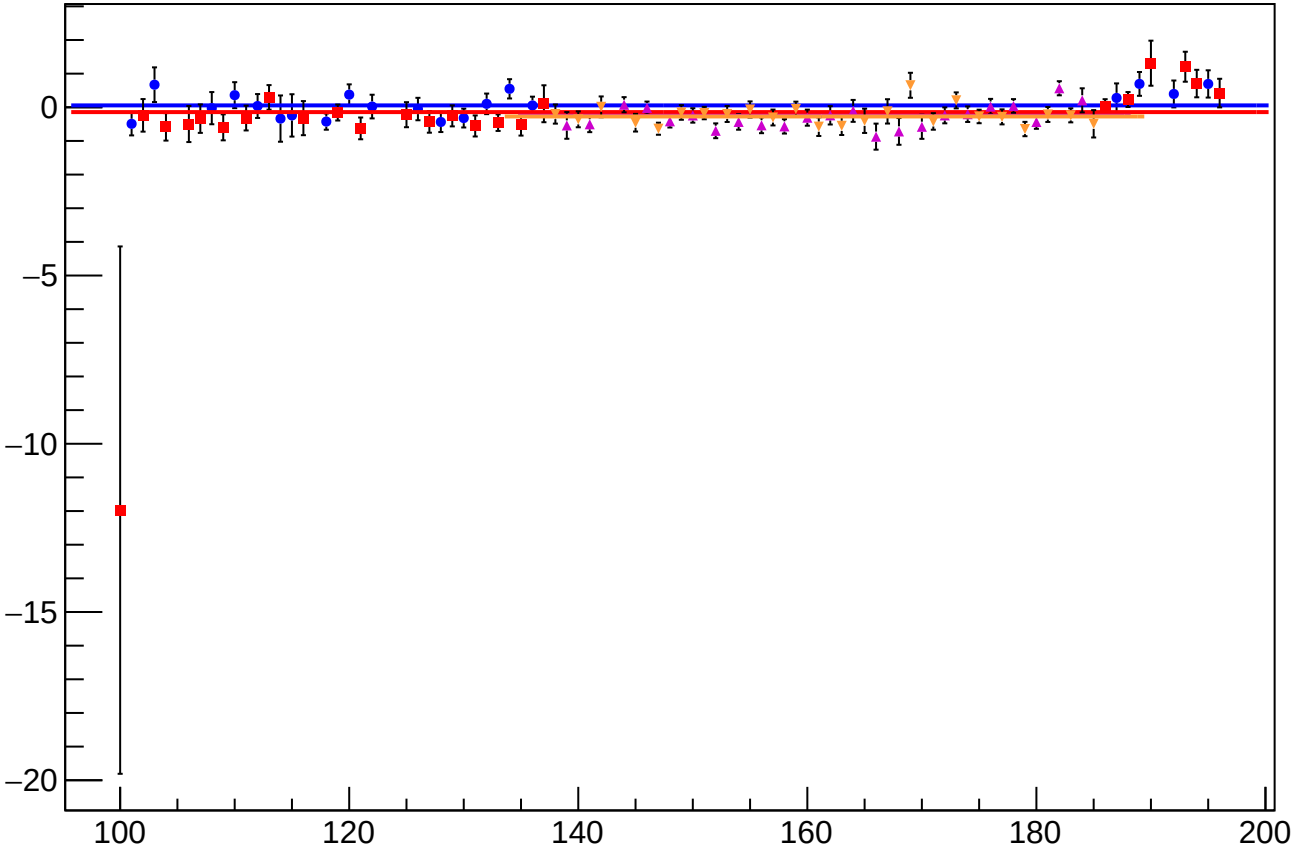
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.002+/-0.042 χ^2/NDF: 66.3/43

All: 0.035+/-0.027 χ^2/NDF: 226.5/90

- sign 0.062+/-0.037 χ^2/NDF: 159.0/46

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.056+/-0.077 χ^2/NDF: 24.5/19

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.143+/-0.071 χ^2/NDF: 38.7/23

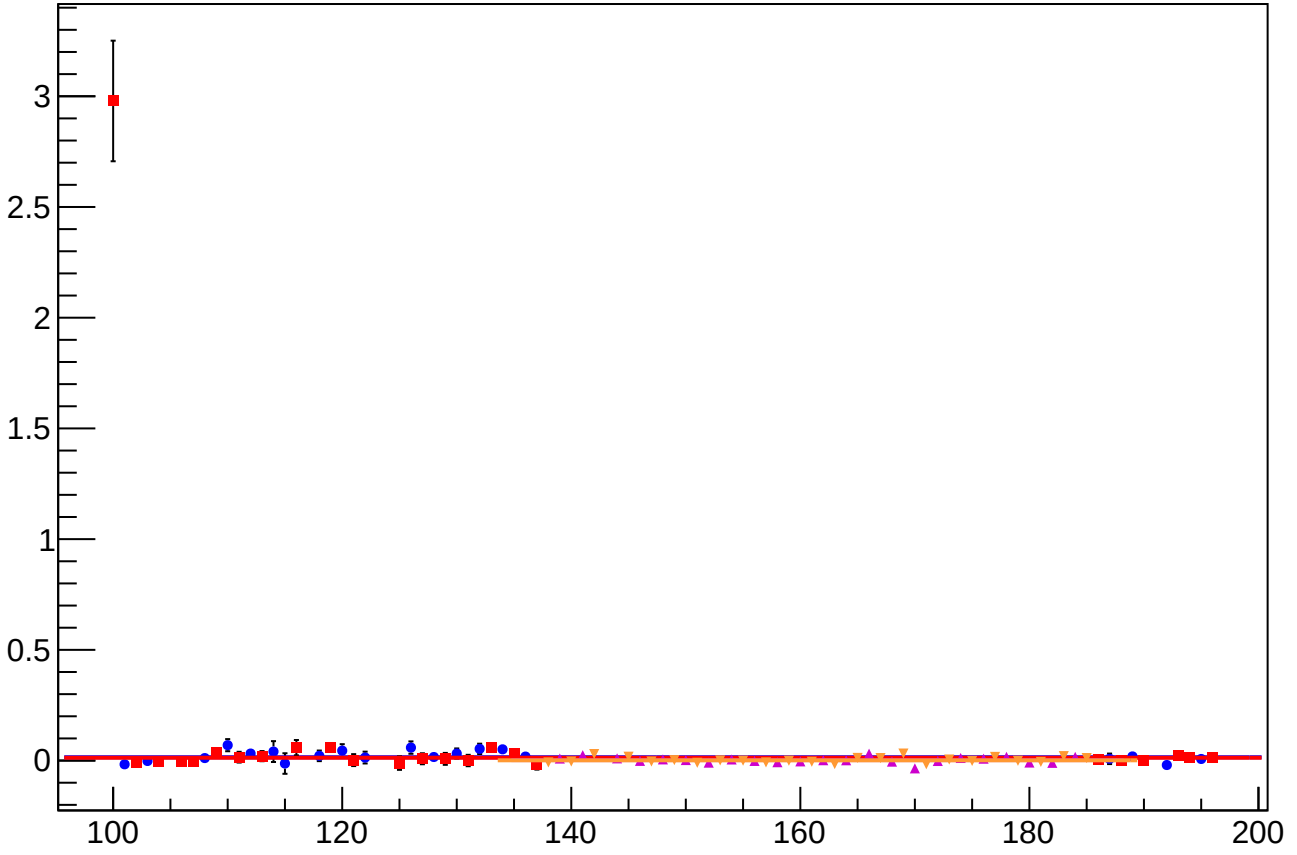
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.177+/-0.042 χ^2/NDF: 62.2/43

All: -0.197+/-0.029 χ^2/NDF: 143.6/90

- sign -0.217+/-0.041 χ^2/NDF: 80.9/46

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.015+/-0.004 χ^2/NDF: 32.5/19

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.004 χ^2/NDF: 143.2/23

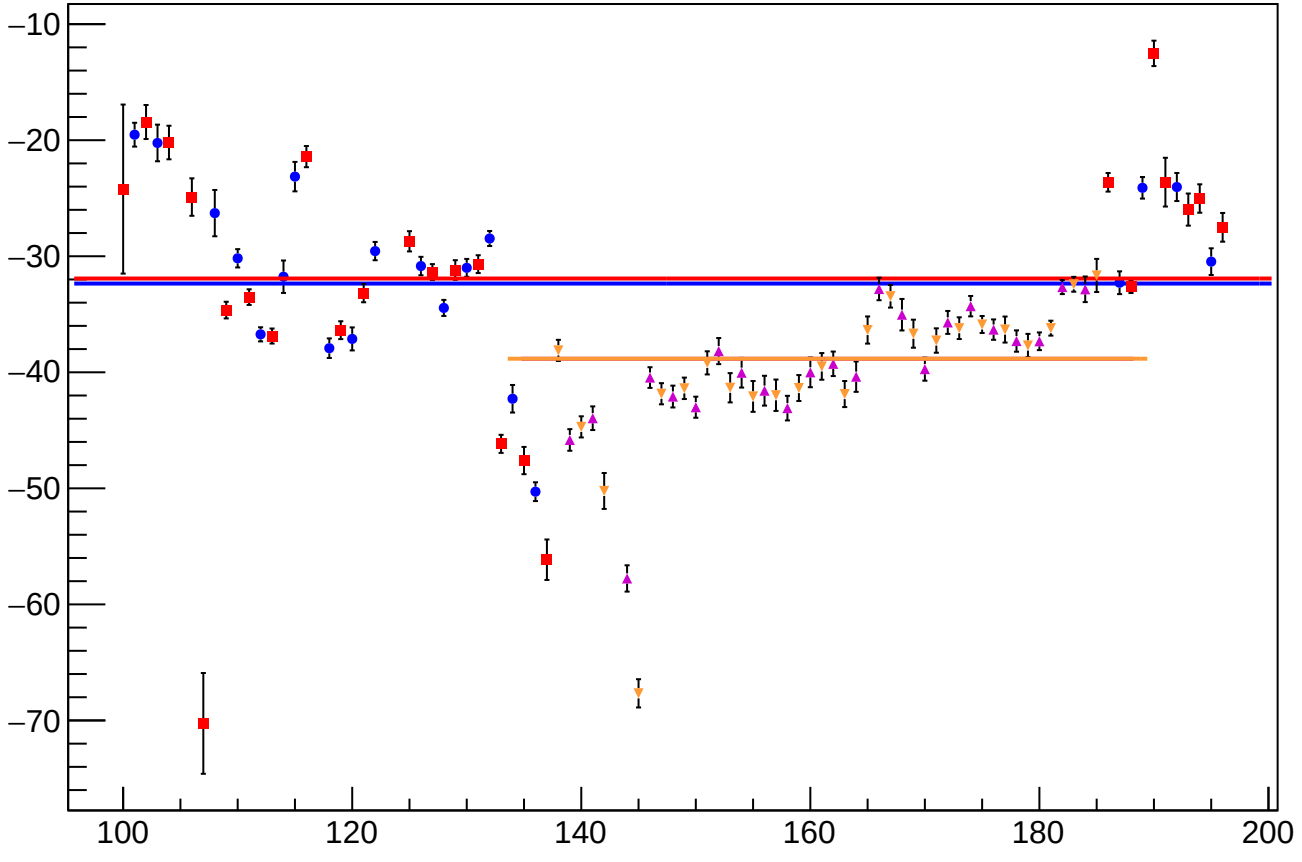
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 68.2/43

All: 0.005+/-0.001 χ^2/NDF: 242.0/90

- sign 0.005+/-0.002 χ^2/NDF: 173.8/46

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.353+/-0.201 χ^2/NDF: 1156.0/19

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.919+/-0.184 χ^2/NDF: 1720.5/24

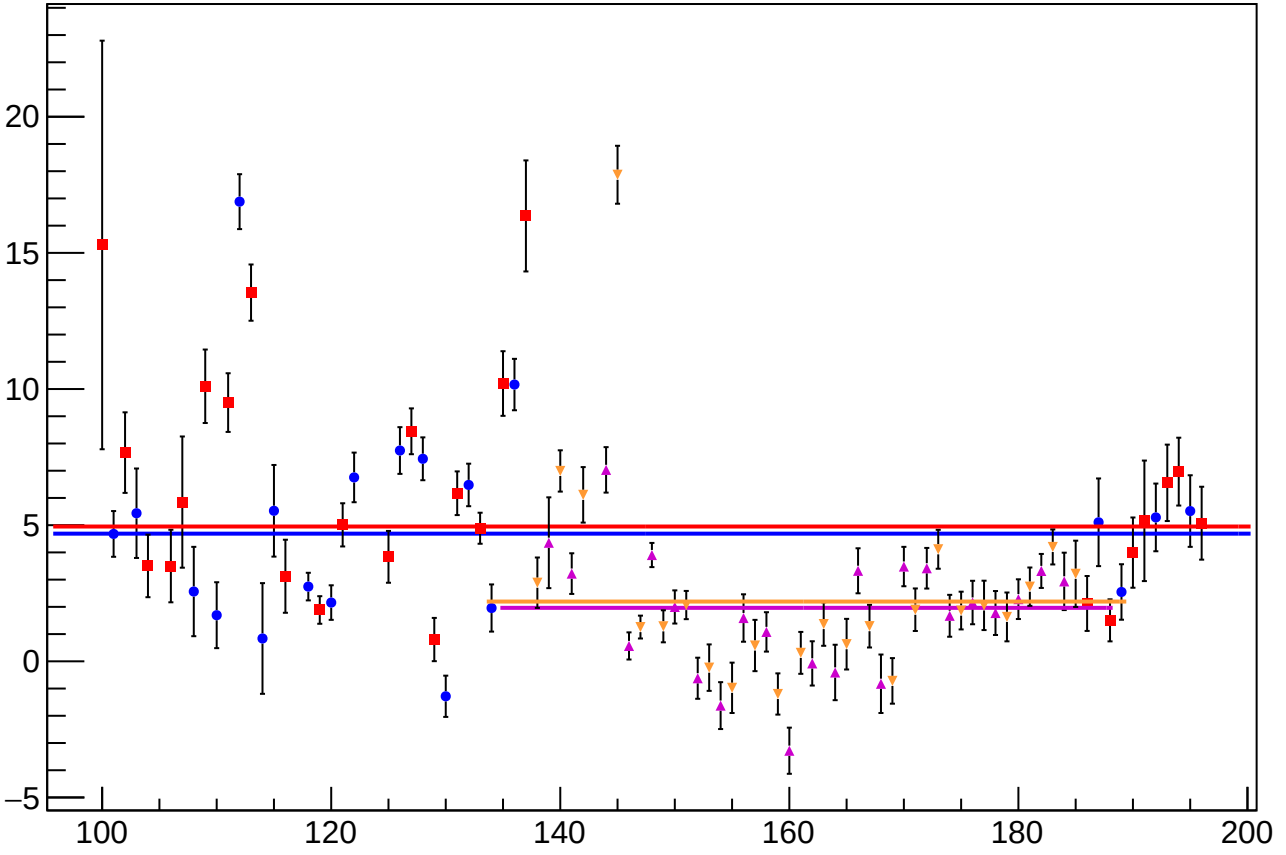
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.578+/-0.143 χ^2/NDF: 2588.8/43

All: -35.297+/-0.099 χ^2/NDF: 5605.3/91

\- sign -35.039+/-0.137 χ^2/NDF: 3009.1/47

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.689+/-0.207 χ^2/NDF: 334.8/19

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.951+/-0.199 χ^2/NDF: 279.7/24

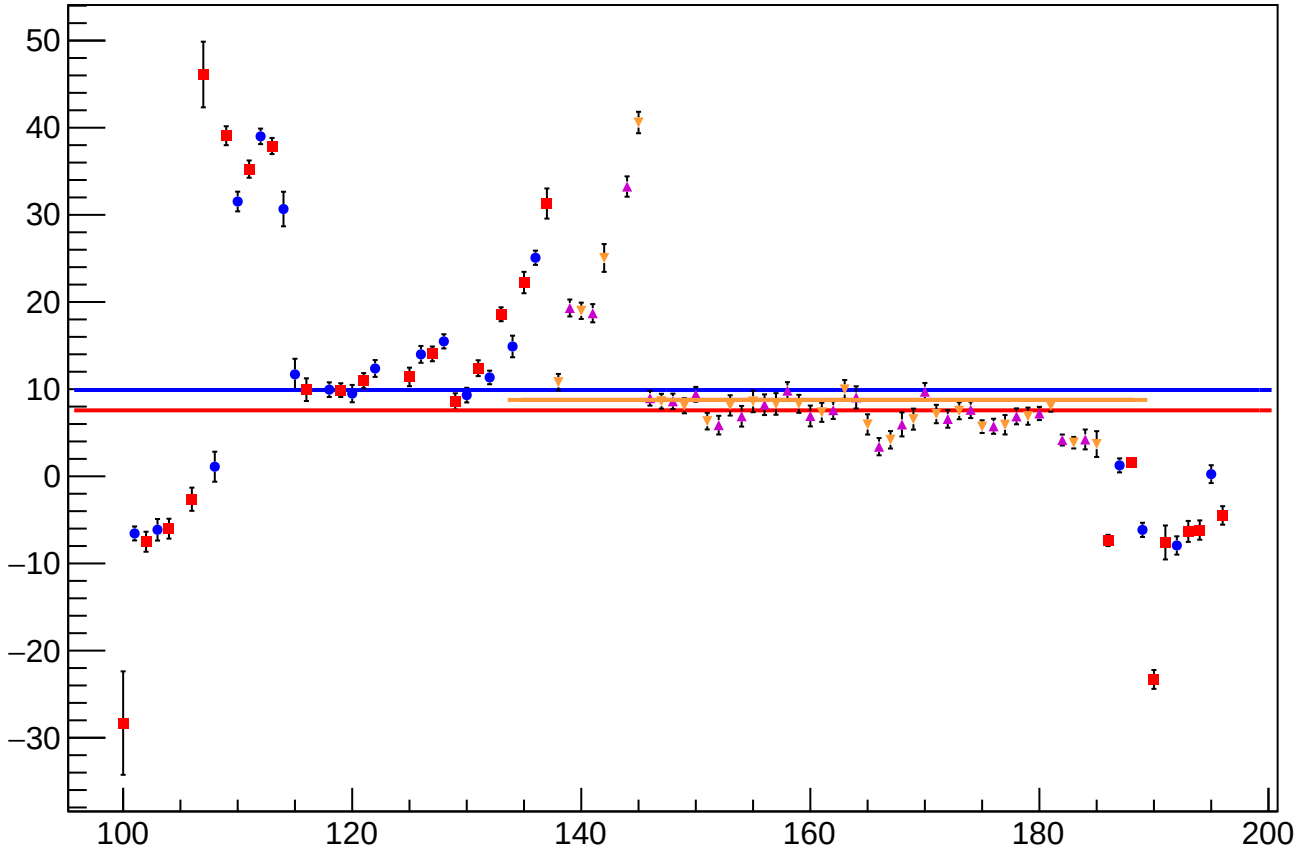
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

\+ sign 3.071+/-0.123 χ^2/NDF: 794.2/43

All: 3.080+/-0.087 χ^2/NDF: 1387.3/91

\- sign 3.088+/-0.122 χ^2/NDF: 593.2/47

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 9.902+/-0.216 χ^2/NDF: 3474.2/19

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.569+/-0.193 χ^2/NDF: 5872.5/24

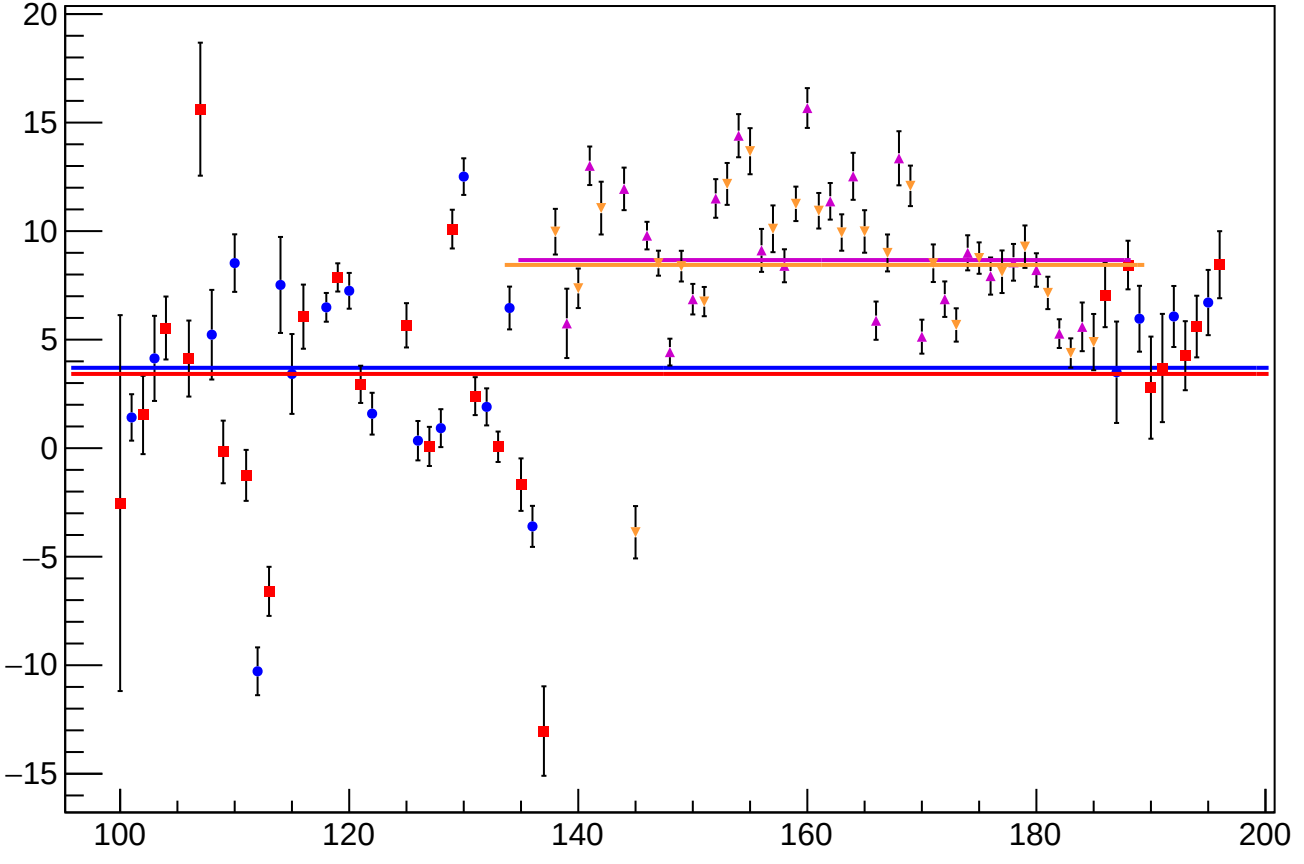
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.290+/-0.147 χ^2/NDF: 4524.4/43

All: 8.686+/-0.101 χ^2/NDF: 11242.7/91

- sign 8.144+/-0.139 χ^2/NDF: 6686.3/47

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.702+/-0.242 χ^2/NDF: 437.5/19

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.420+/-0.236 χ^2/NDF: 390.2/24

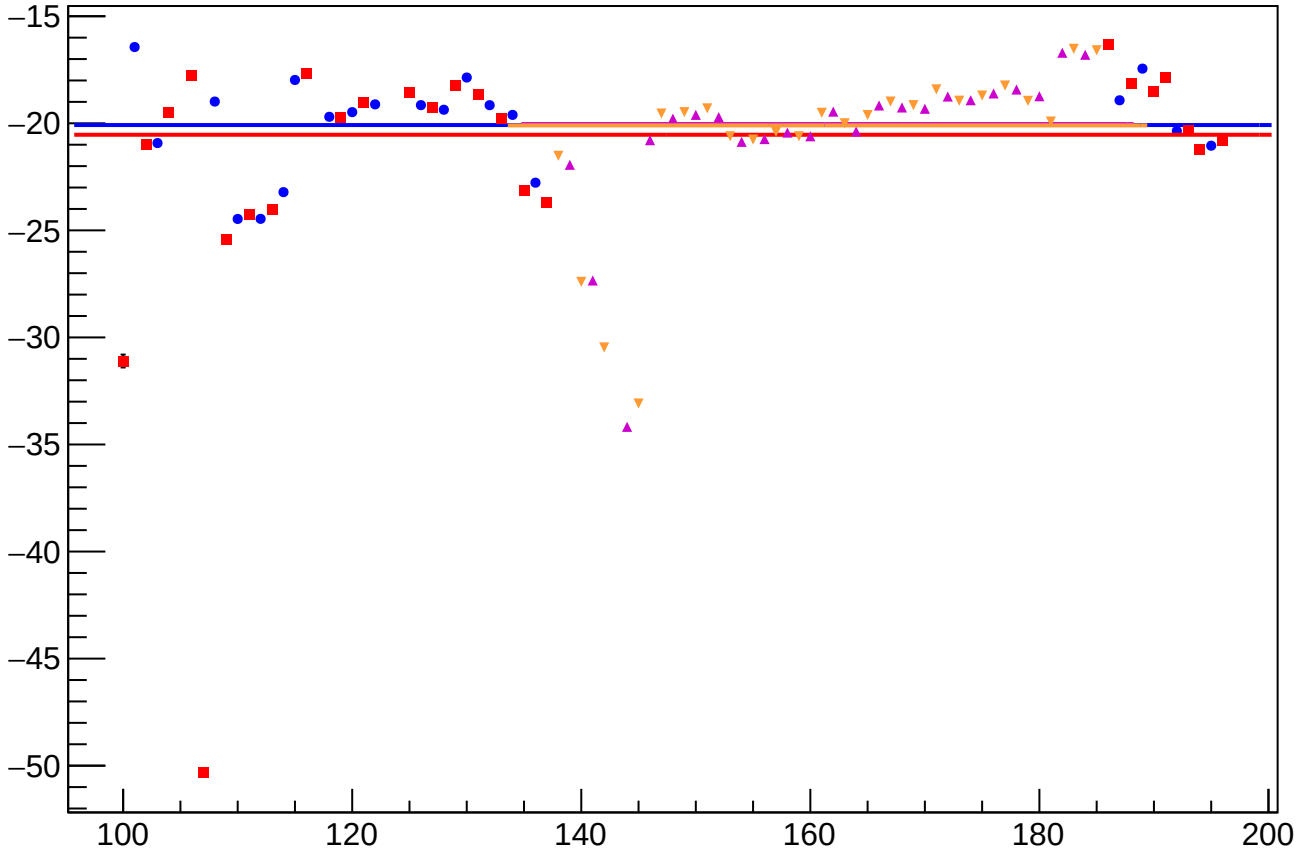
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.831+/-0.141 χ^2/NDF: 955.3/43

All: 6.811+/-0.100 χ^2/NDF: 1969.0/91

\- sign 6.792+/-0.141 χ^2/NDF: 1013.7/47

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.081+/-0.014 χ^2/NDF: 22441.8/19

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.535+/-0.013 χ^2/NDF: 64884.9/24

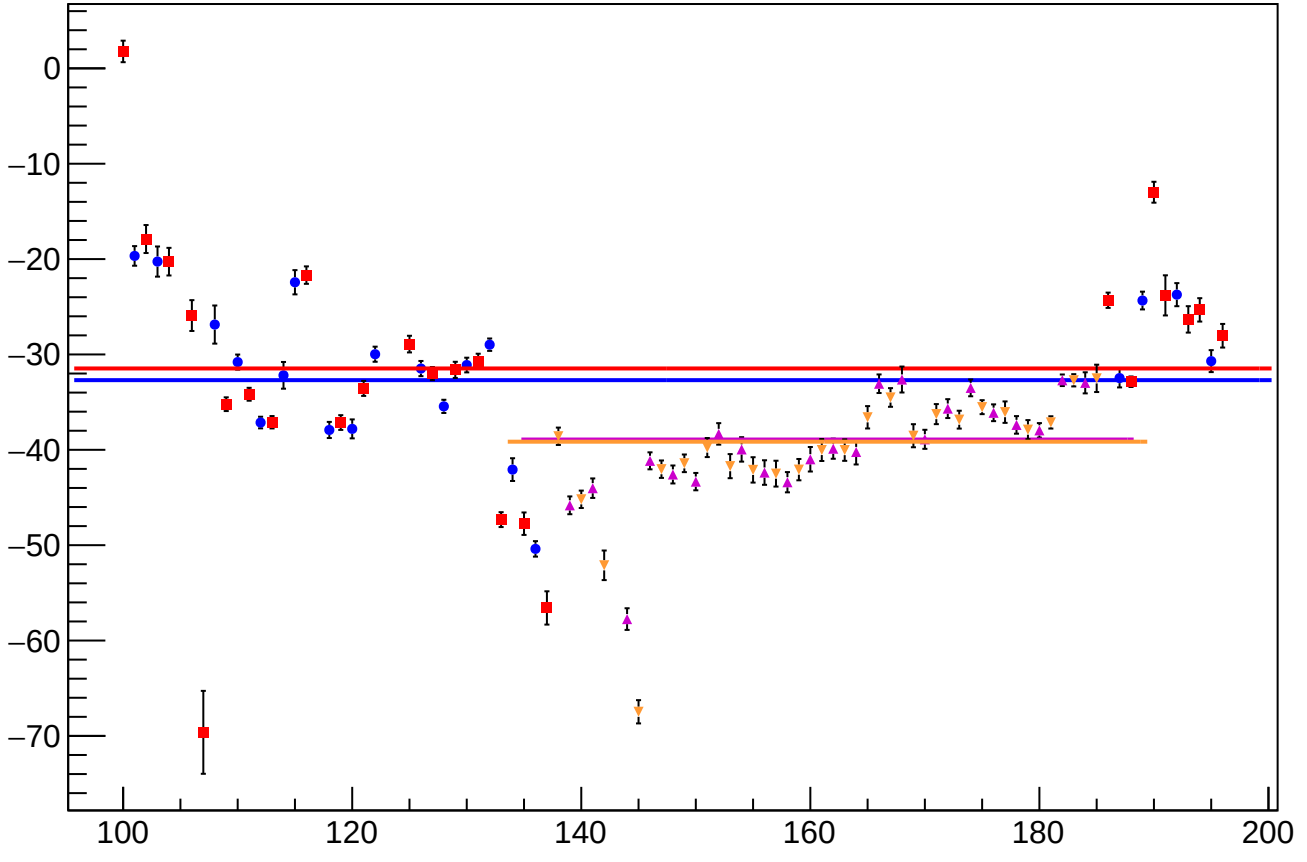
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.092+/-0.007 χ^2/NDF: 181735.7/43

All: -20.133+/-0.005 χ^2/NDF: 380065.0/91

- sign -20.173+/-0.007 χ^2/NDF: 198259.1/47

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.695+/-0.202 χ^2/NDF: 1161.4/19

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.469+/-0.182 χ^2/NDF: 2647.8/24

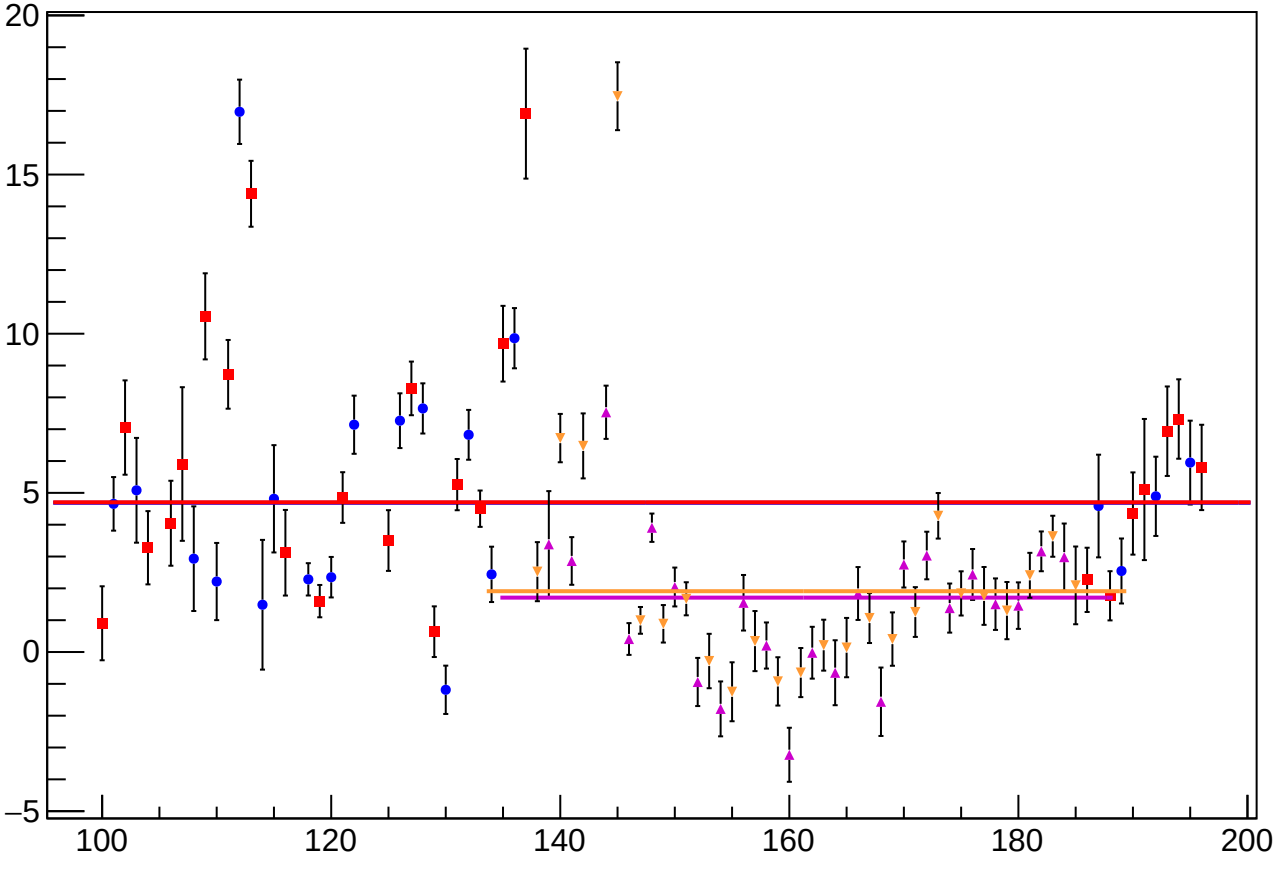
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.909+/-0.143 χ^2/NDF: 2570.1/43

All: -35.317+/-0.098 χ^2/NDF: 6677.9/91

- sign -34.782+/-0.136 χ^2/NDF: 4075.0/47

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.689+/-0.207 χ^2/NDF: 331.1/19

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.704+/-0.197 χ^2/NDF: 301.8/24

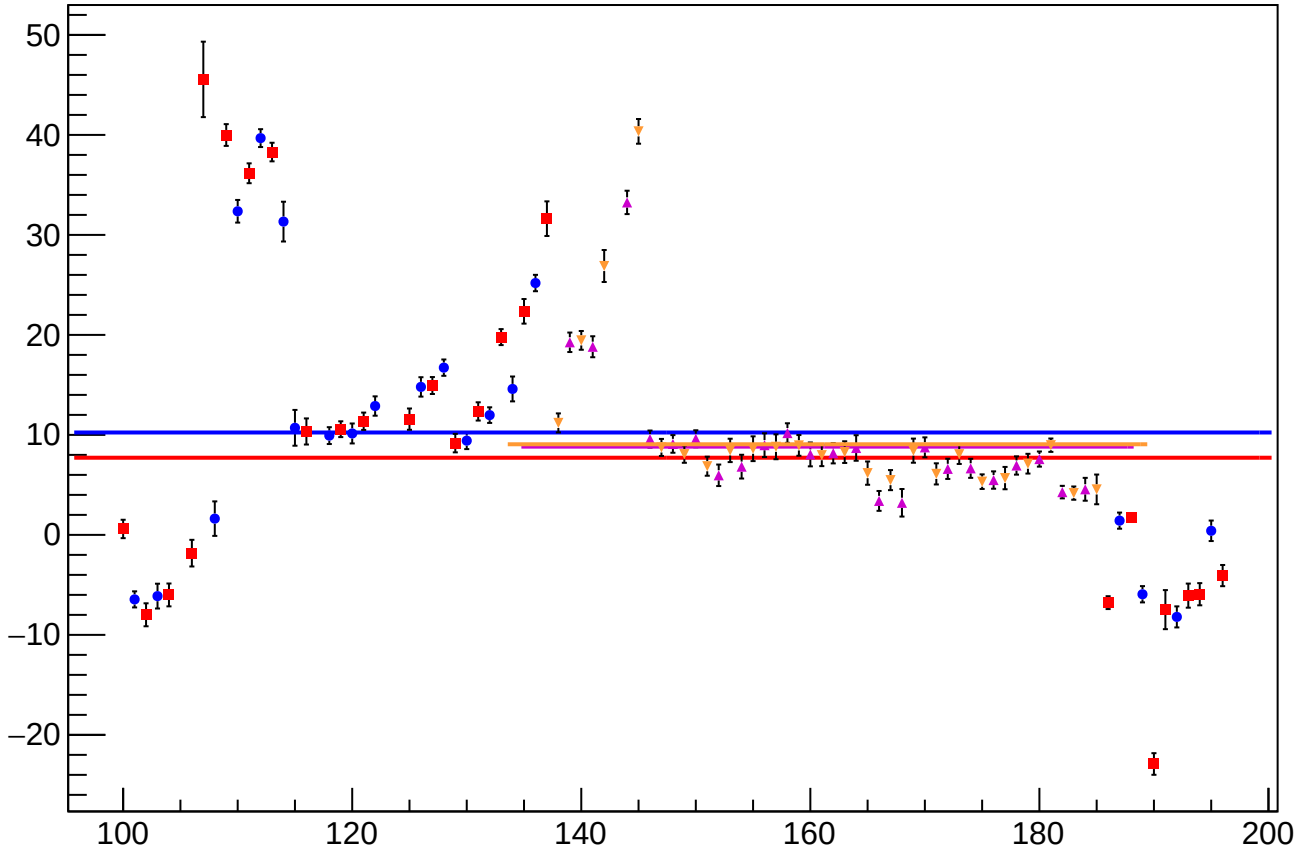
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.886+/-0.123 χ^2/NDF: 807.0/43

All: 2.871+/-0.086 χ^2/NDF: 1434.5/91

- sign 2.856+/-0.122 χ^2/NDF: 627.4/47

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 10.240+/-0.217 χ^2/NDF: 3565.6/19

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.716+/-0.189 χ^2/NDF: 5987.6/24

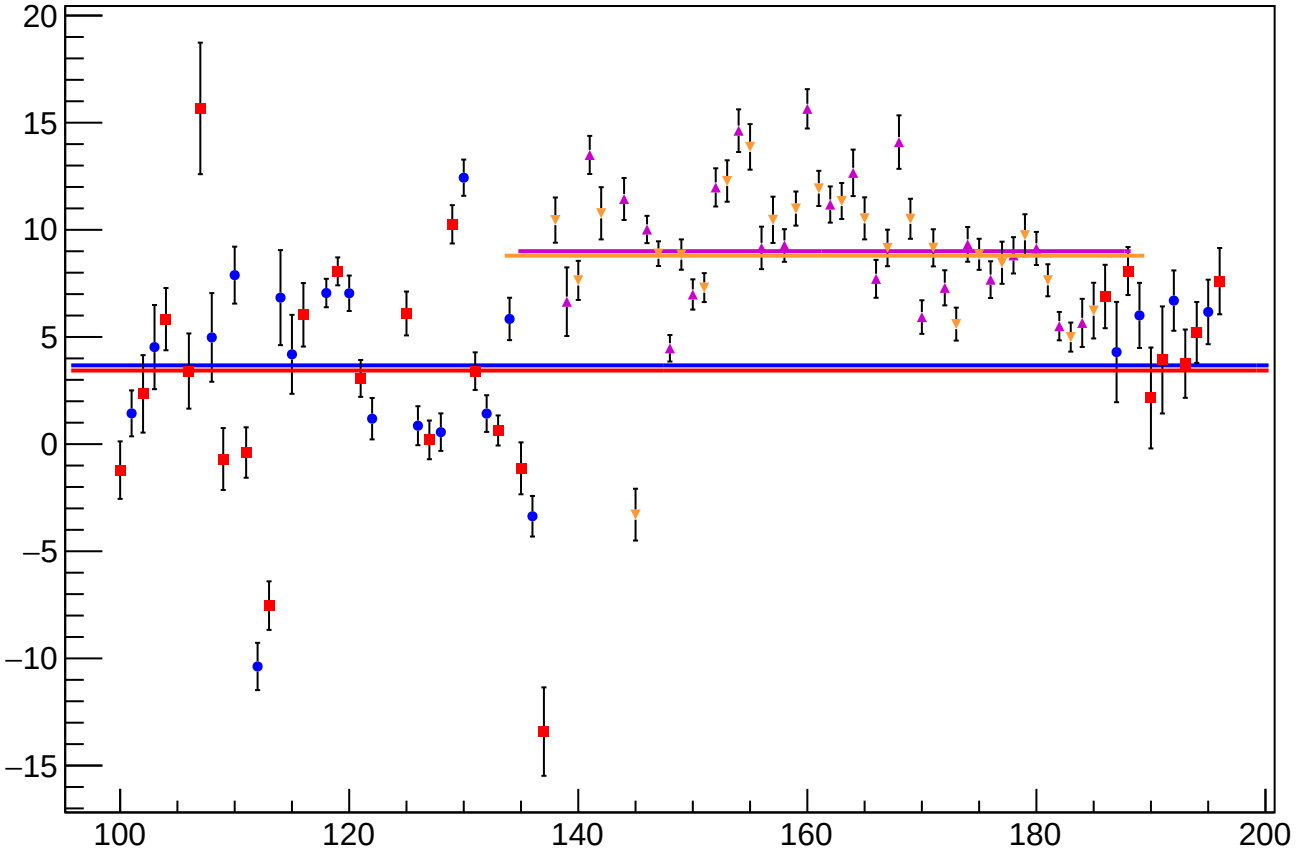
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

\+ sign 9.606+/-0.147 χ^2/NDF: 4614.9/43

All: 8.874+/-0.101 χ^2/NDF: 11466.2/91

\- sign 8.234+/-0.138 χ^2/NDF: 6805.1/47

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.674+/-0.242 χ^2/NDF: 434.7/19

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

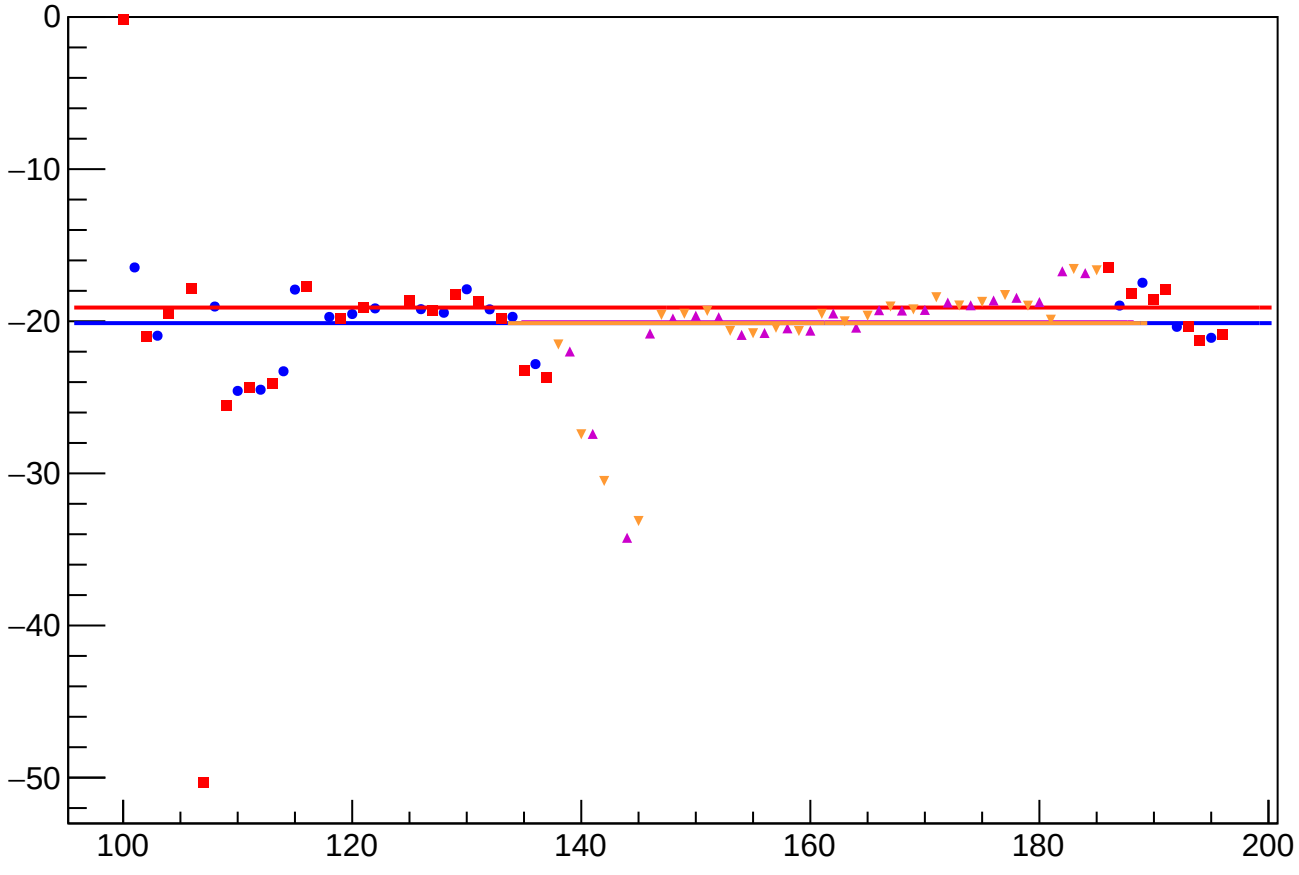
Right Out: 3.434+/-0.233 χ^2/NDF: 403.5/24

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.053+/-0.141 χ^2/NDF: 973.4/43

All: 7.014+/-0.100 χ^2/NDF: 2031.3/91

\- sign 6.976+/-0.140 χ^2/NDF: 1057.8/47



Right In: -20.123+/-0.014 χ^2/NDF: 22480.5/19

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.099+/-0.012 χ^2/NDF: 241323.6/24

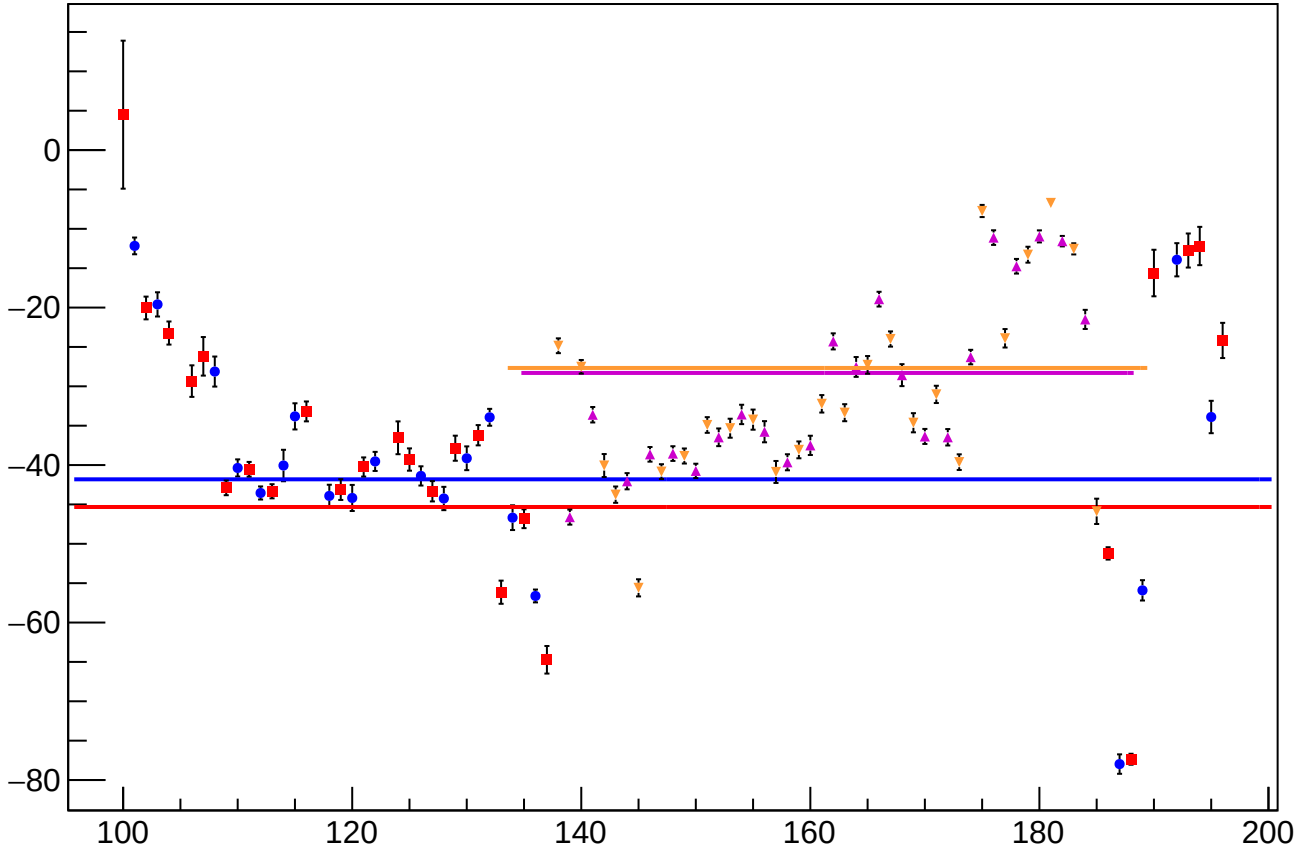
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.123+/-0.007 χ^2/NDF: 181059.1/43

All: -19.950+/-0.005 χ^2/NDF: 560571.7/91

- sign -19.786+/-0.007 χ^2/NDF: 378278.8/47

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.812+/-0.288 χ^2/NDF: 2639.3/19

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.326+/-0.258 χ^2/NDF: 3904.1/24

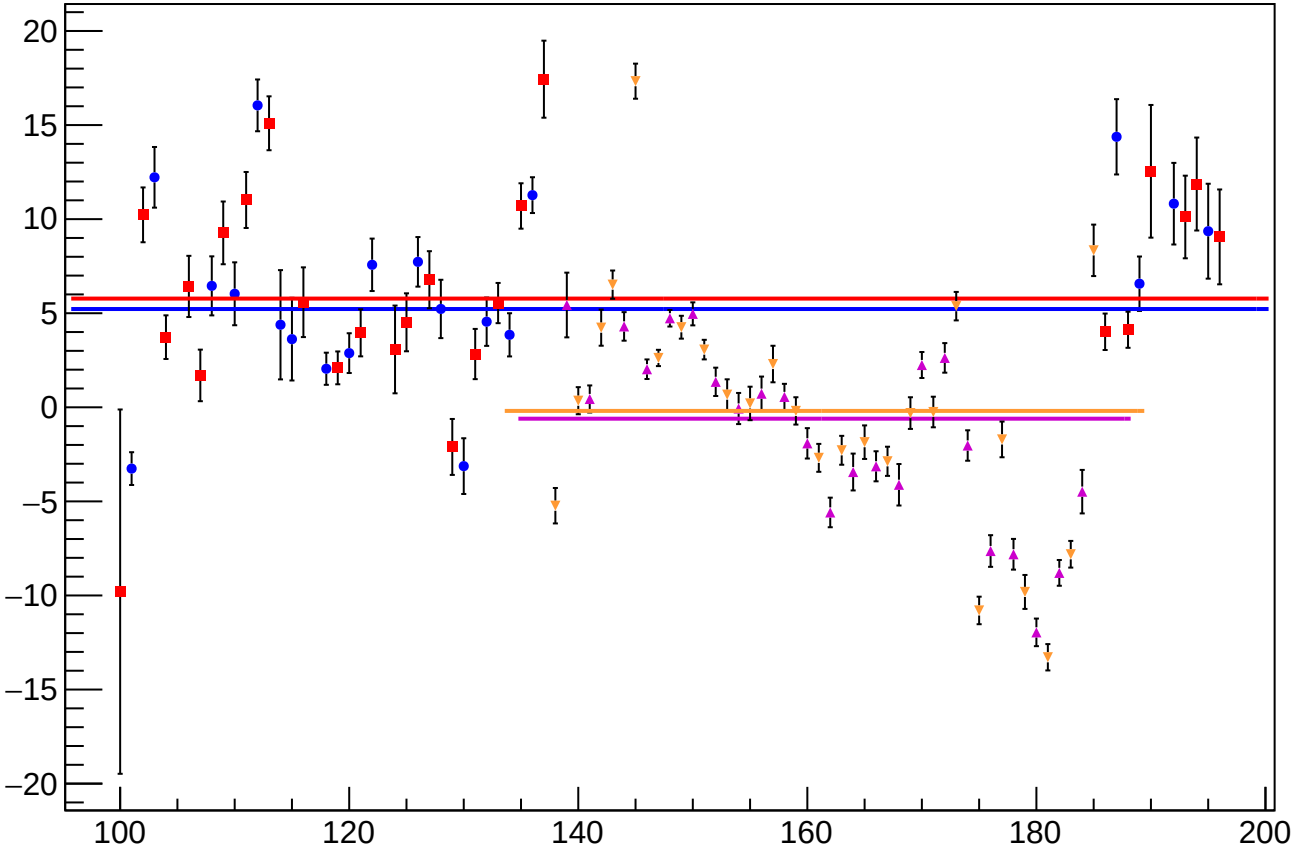
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.290+/-0.164 χ^2/NDF: 8663.1/44

All: -33.629+/-0.115 χ^2/NDF: 18627.3/92

- sign -34.911+/-0.161 χ^2/NDF: 9834.5/47

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.223+/-0.300 χ^2/NDF: 307.2/19

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.778+/-0.285 χ^2/NDF: 209.3/24

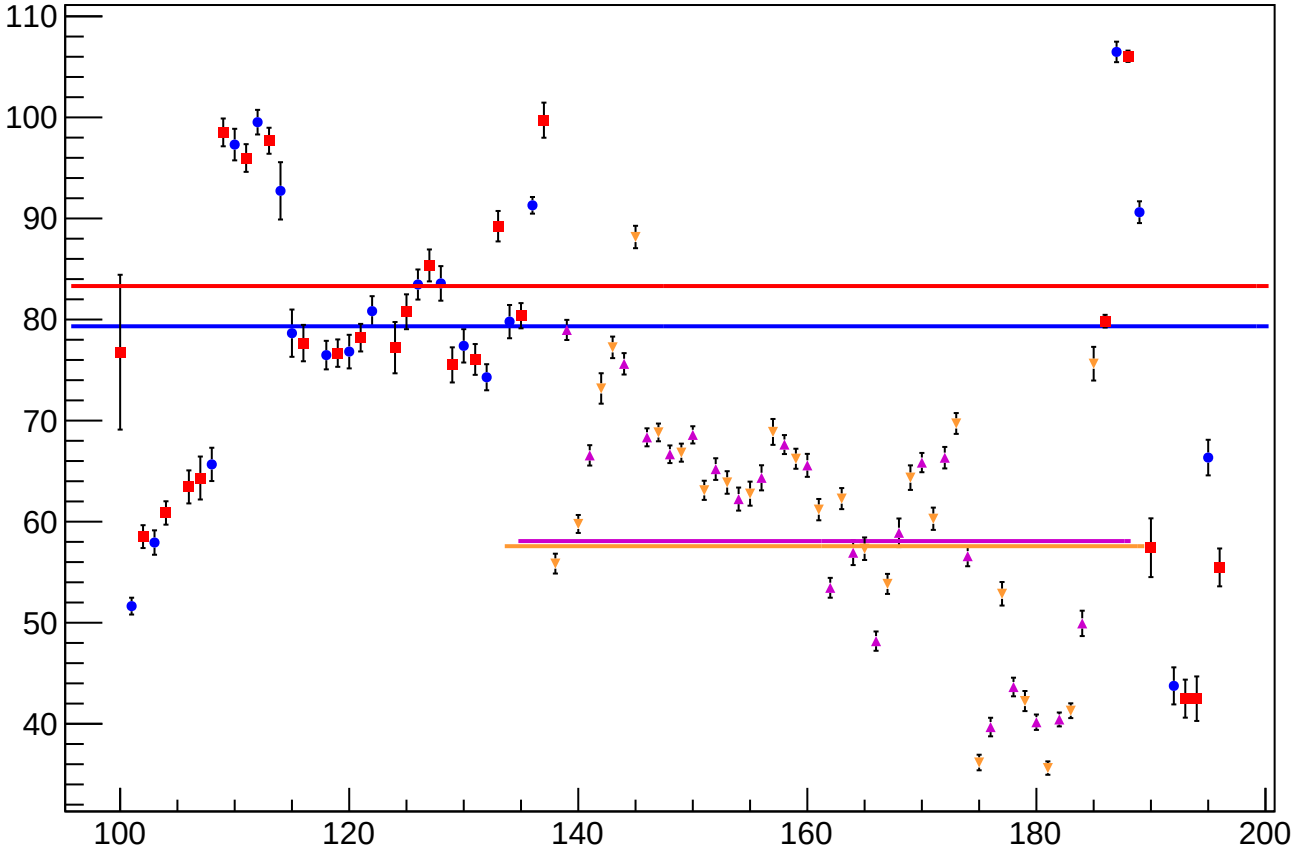
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

\+ sign 0.893+/-0.134 χ^2/NDF: 2113.2/44

All: 0.873+/-0.096 χ^2/NDF: 3683.7/92

\- sign 0.853+/-0.136 χ^2/NDF: 1570.5/47

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 79.332+/-0.298 χ^2/NDF: 3424.8/19

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 83.313+/-0.259 χ^2/NDF: 4430.5/24

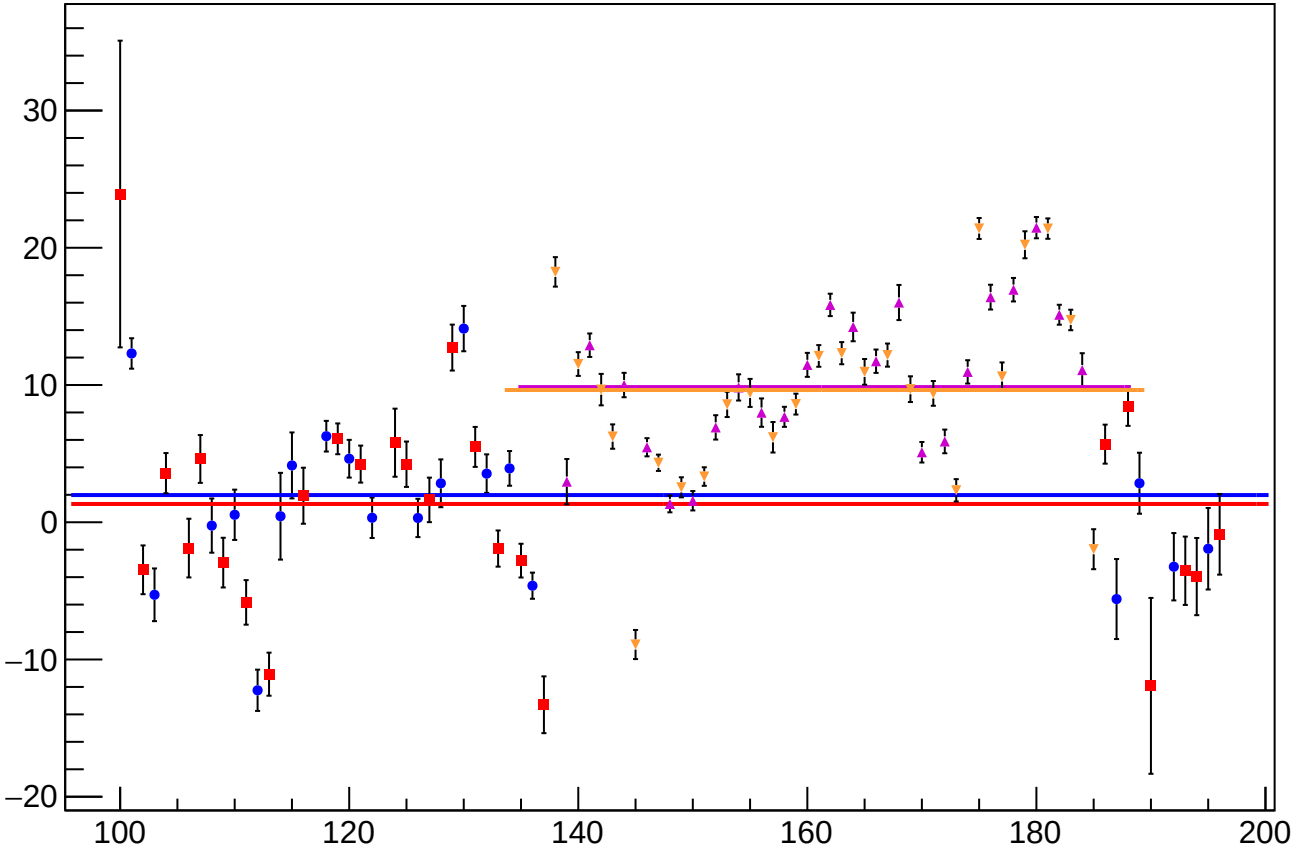
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.284+/-0.165 χ^2/NDF: 11798.8/44

All: 66.052+/-0.115 χ^2/NDF: 25875.7/92

- sign 67.705+/-0.160 χ^2/NDF: 13856.1/47

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.981+/-0.350 χ^2/NDF: 333.3/19

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.332+/-0.340 χ^2/NDF: 304.0/24

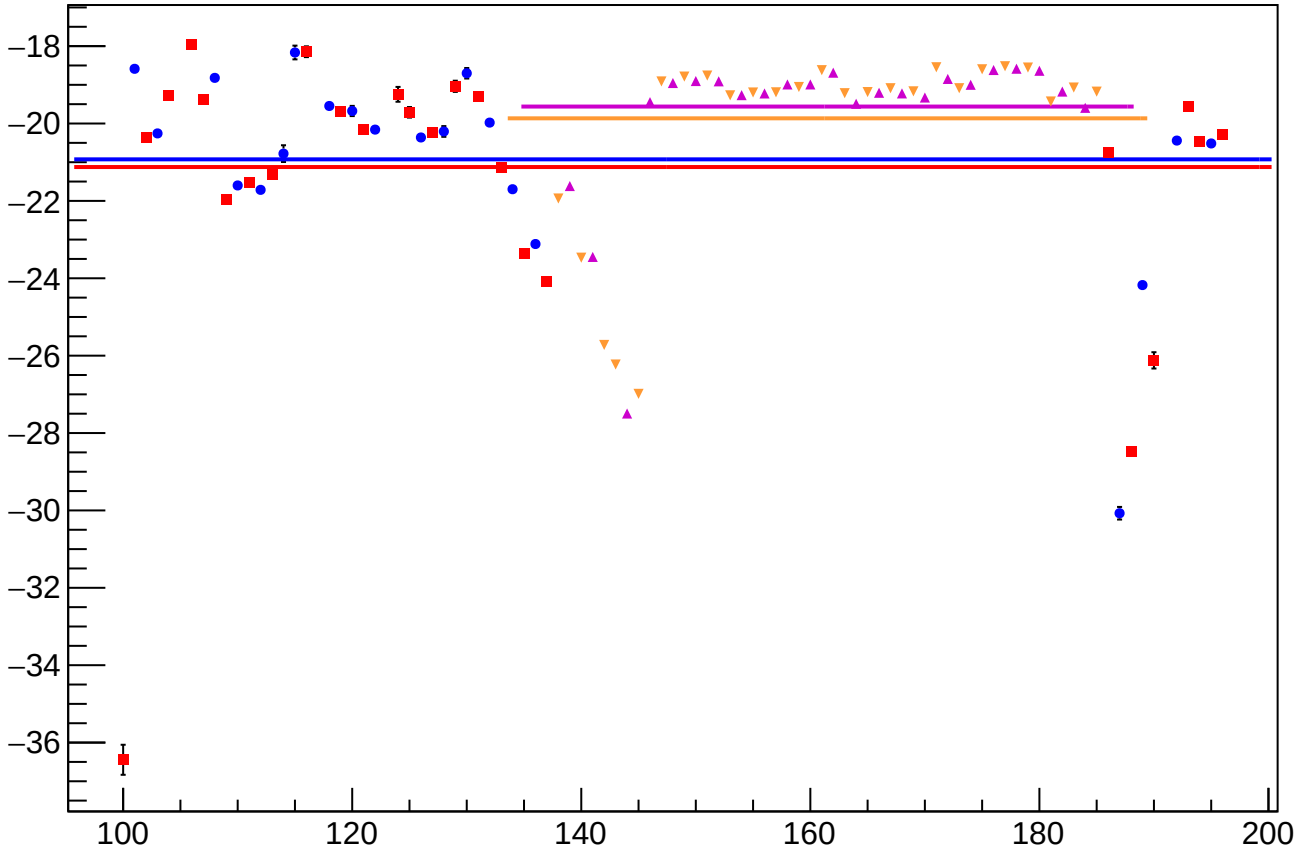
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.152+/-0.154 χ^2/NDF: 2211.6/44

All: 8.101+/-0.110 χ^2/NDF: 4002.3/92

- sign 8.048+/-0.157 χ^2/NDF: 1790.5/47

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.926+/-0.018 χ^2/NDF: 11906.7/19

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.125+/-0.018 χ^2/NDF: 19911.9/24

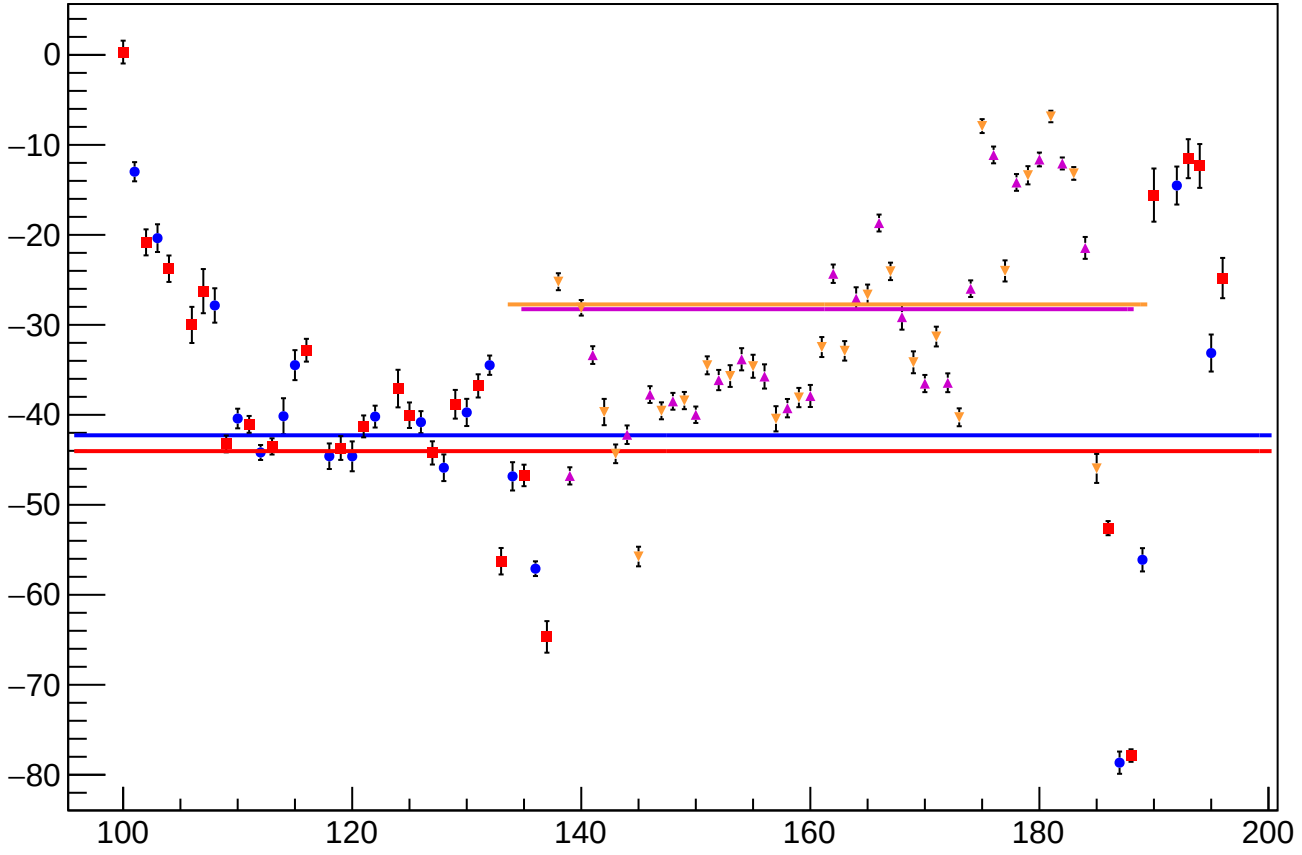
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.035+/-0.007 χ^2/NDF: 93697.2/44

All: -19.930+/-0.005 χ^2/NDF: 165668.6/92

- sign -19.823+/-0.007 χ^2/NDF: 71542.3/47

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.274+/-0.288 χ^2/NDF: 2626.3/19

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -44.034+/-0.254 χ^2/NDF: 5179.1/24

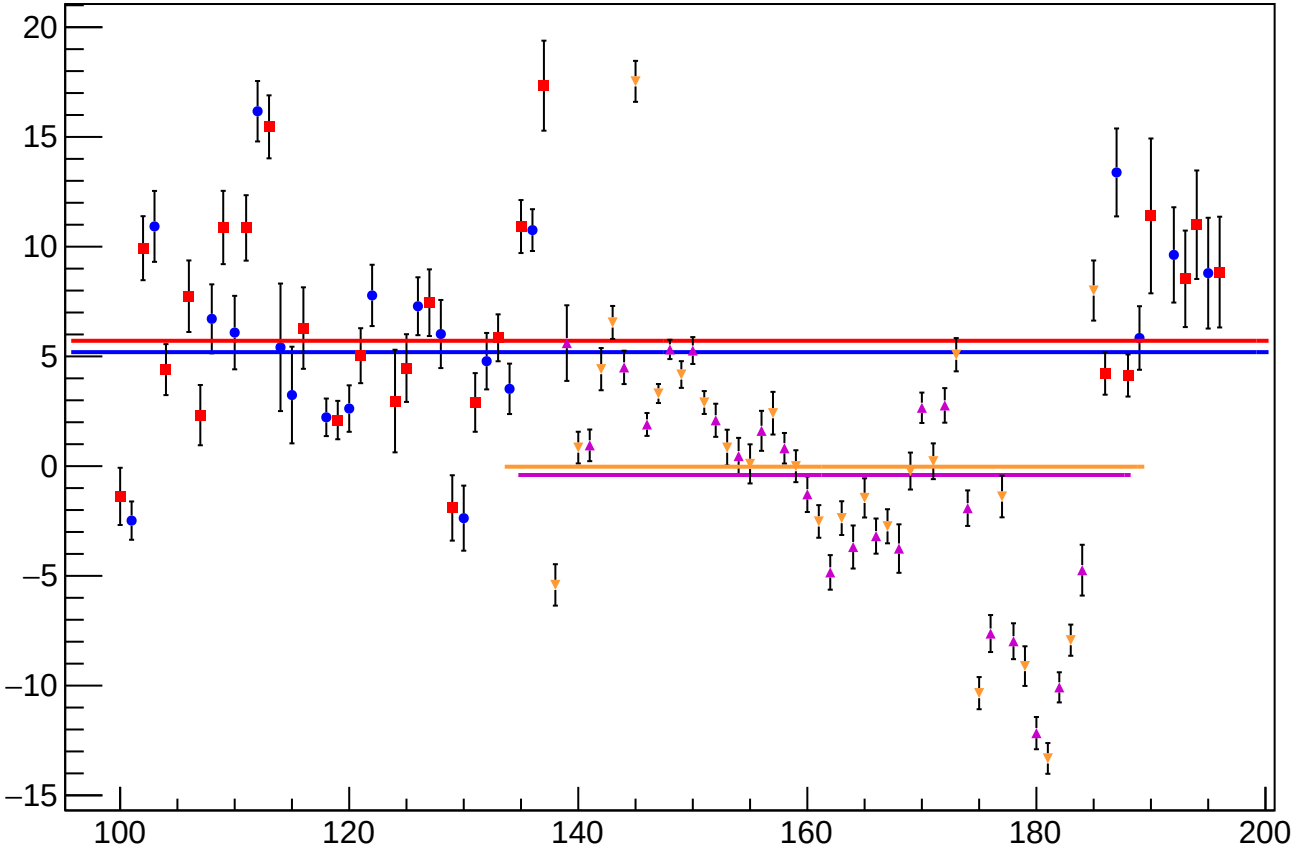
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.482+/-0.165 χ^2/NDF: 8641.5/44

All: -33.540+/-0.115 χ^2/NDF: 19402.8/92

- sign -34.537+/-0.160 χ^2/NDF: 10681.2/47

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.194+/-0.300 χ^2/NDF: 265.1/19

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.712+/-0.279 χ^2/NDF: 231.9/24

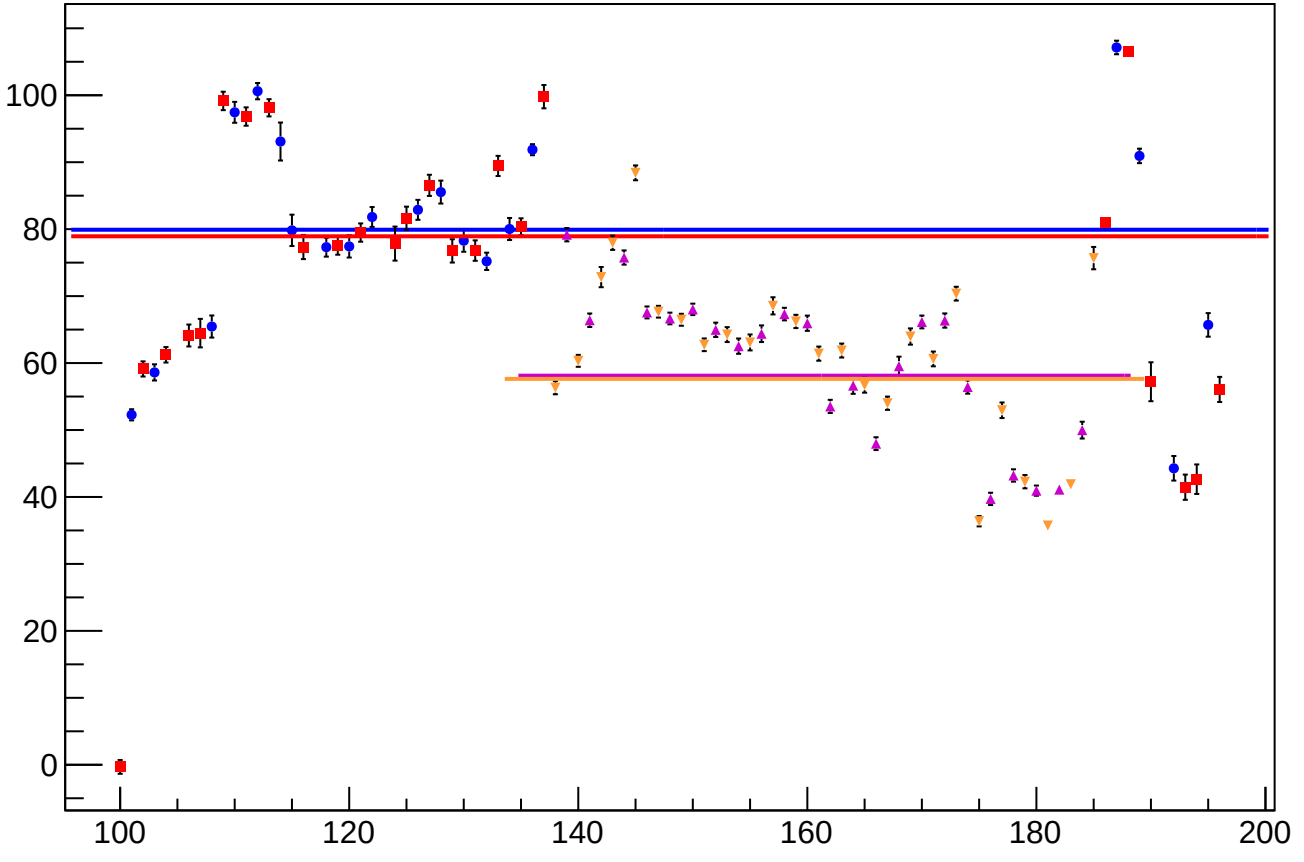
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.019+/-0.134 χ^2/NDF: 2038.4/44

All: 1.031+/-0.096 χ^2/NDF: 3720.8/92

- sign 1.044+/-0.136 χ^2/NDF: 1682.4/47

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 79.914+/-0.298 χ^2/NDF: 3432.5/19

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.934+/-0.252 χ^2/NDF: 10695.0/24

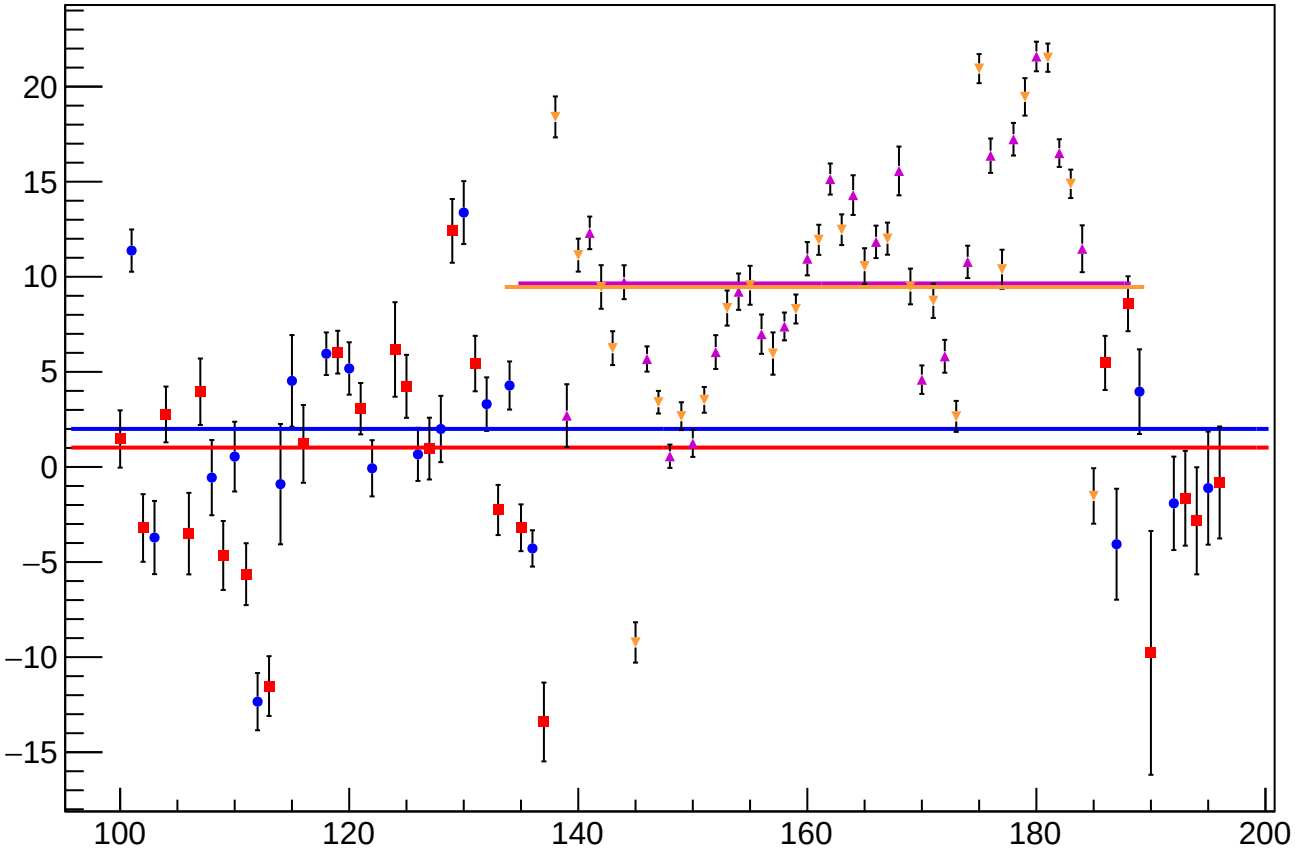
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.509+/-0.166 χ^2/NDF: 11899.7/44

All: 65.476+/-0.115 χ^2/NDF: 30233.0/92

- sign 66.360+/-0.158 χ^2/NDF: 18268.1/47

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.001+/-0.350 χ^2/NDF: 299.3/19

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.019+/-0.333 χ^2/NDF: 300.2/24

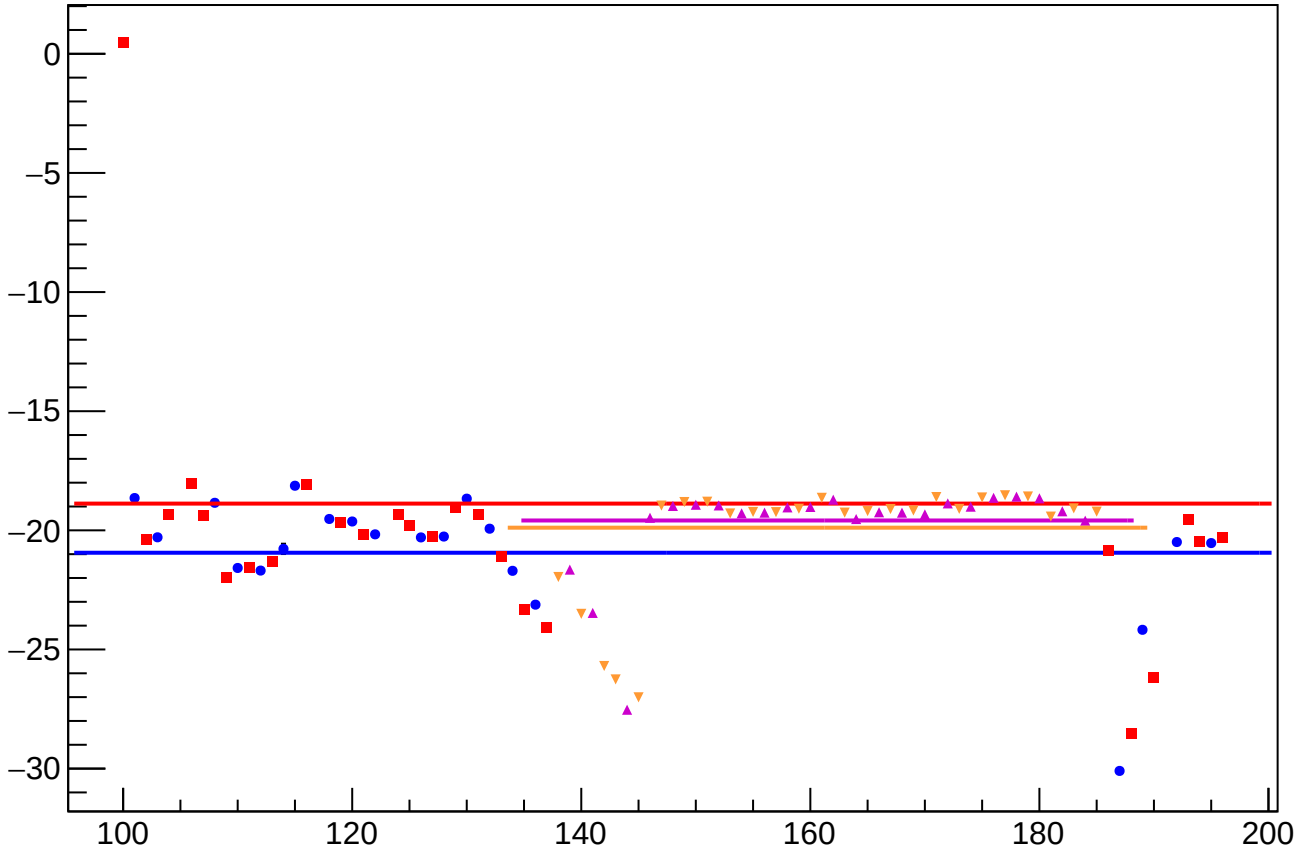
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 8.015+/-0.154 χ^2/NDF: 2148.6/44

All: 7.885+/-0.110 χ^2/NDF: 4053.8/92

\- sign 7.753+/-0.156 χ^2/NDF: 1903.8/47

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.940+/-0.018 χ^2/NDF: 11771.6/19

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.878+/-0.017 χ^2/NDF: 170591.8/24

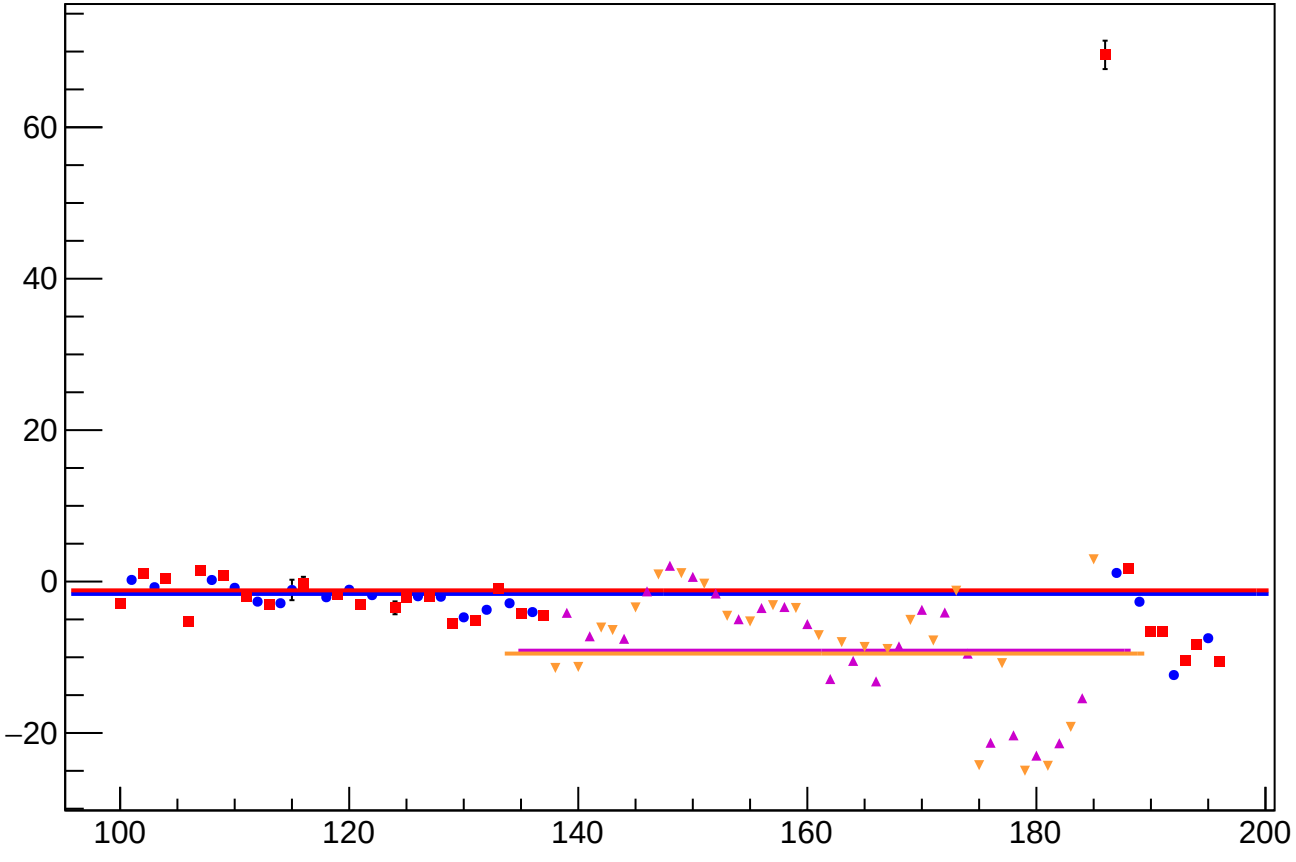
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.056+/-0.007 χ^2/NDF: 93126.5/44

All: -19.756+/-0.005 χ^2/NDF: 313703.2/92

- sign -19.457+/-0.007 χ^2/NDF: 217121.4/47

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.632+/-0.053 χ^2/NDF: 1776.6/19

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.163+/-0.047 χ^2/NDF: 5055.9/25

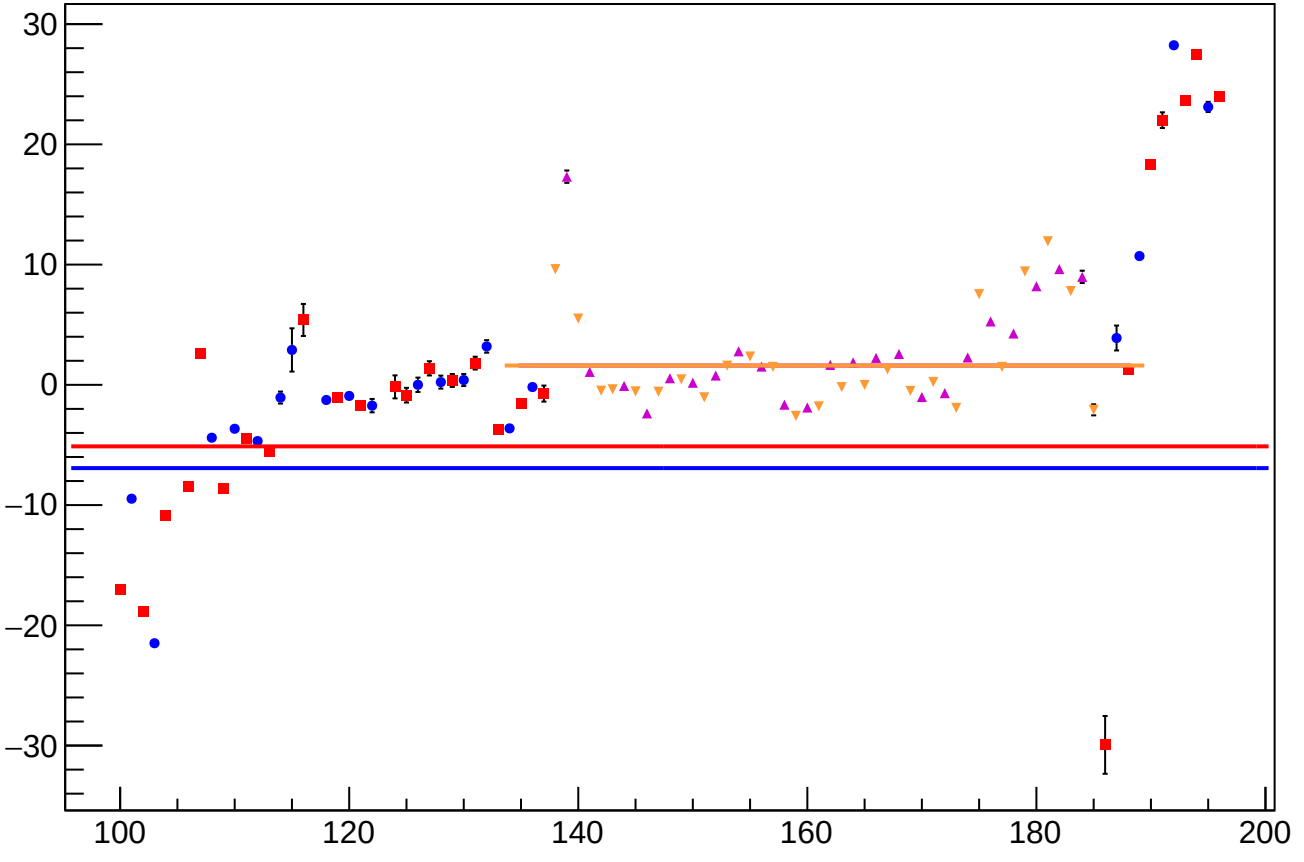
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.344+/-0.043 χ^2/NDF: 22410.5/44

All: -3.863+/-0.029 χ^2/NDF: 46207.7/93

- sign -3.440+/-0.040 χ^2/NDF: 23557.4/48

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -6.926+/-0.055 χ^2/NDF: 30337.9/19

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -5.118+/-0.054 χ^2/NDF: 40793.1/25

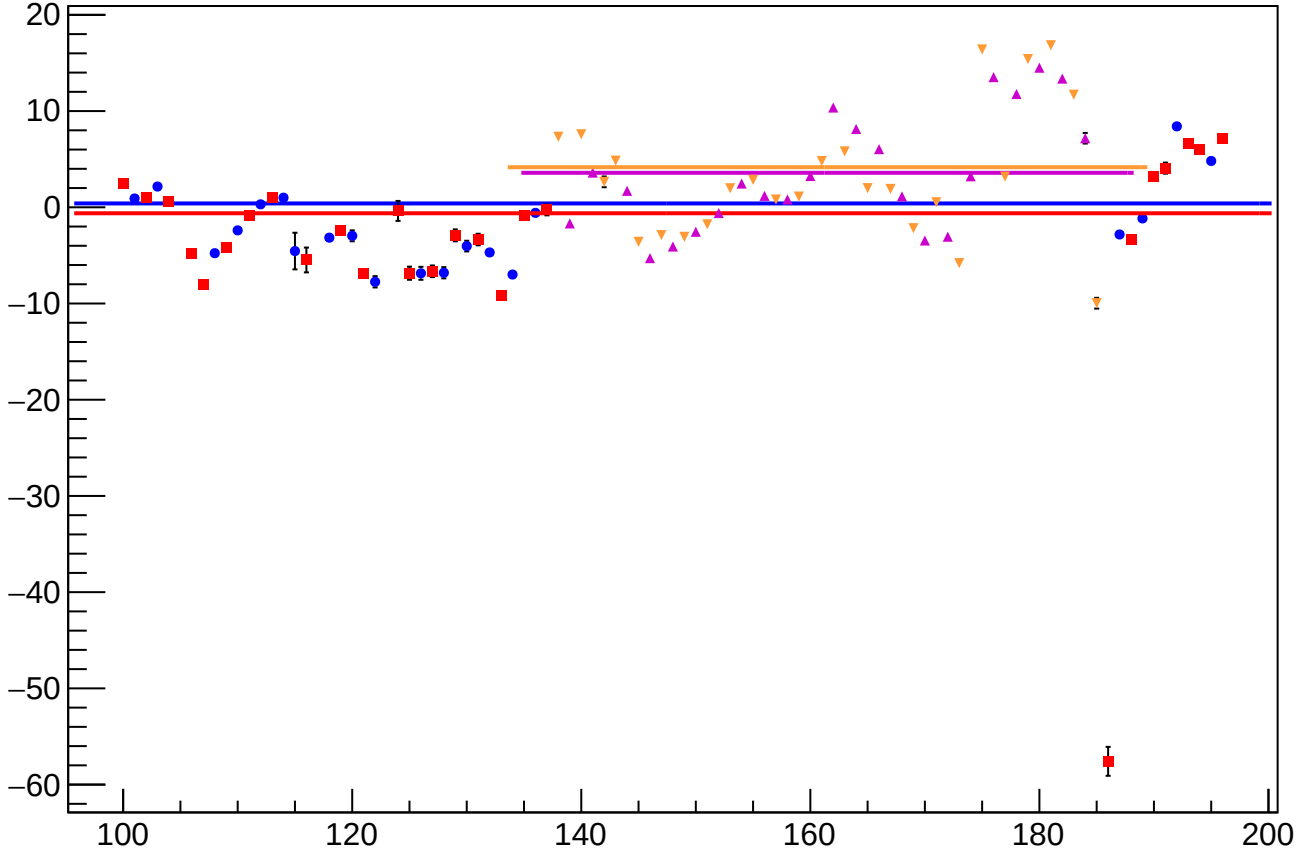
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.658+/-0.039 χ^2/NDF: 46964.4/44

All: -2.325+/-0.028 χ^2/NDF: 98820.0/93

- sign -1.987+/-0.039 χ^2/NDF: 51709.1/48

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.401+/-0.051 χ^2/NDF: 2844.3/19

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.621+/-0.048 χ^2/NDF: 6468.1/25

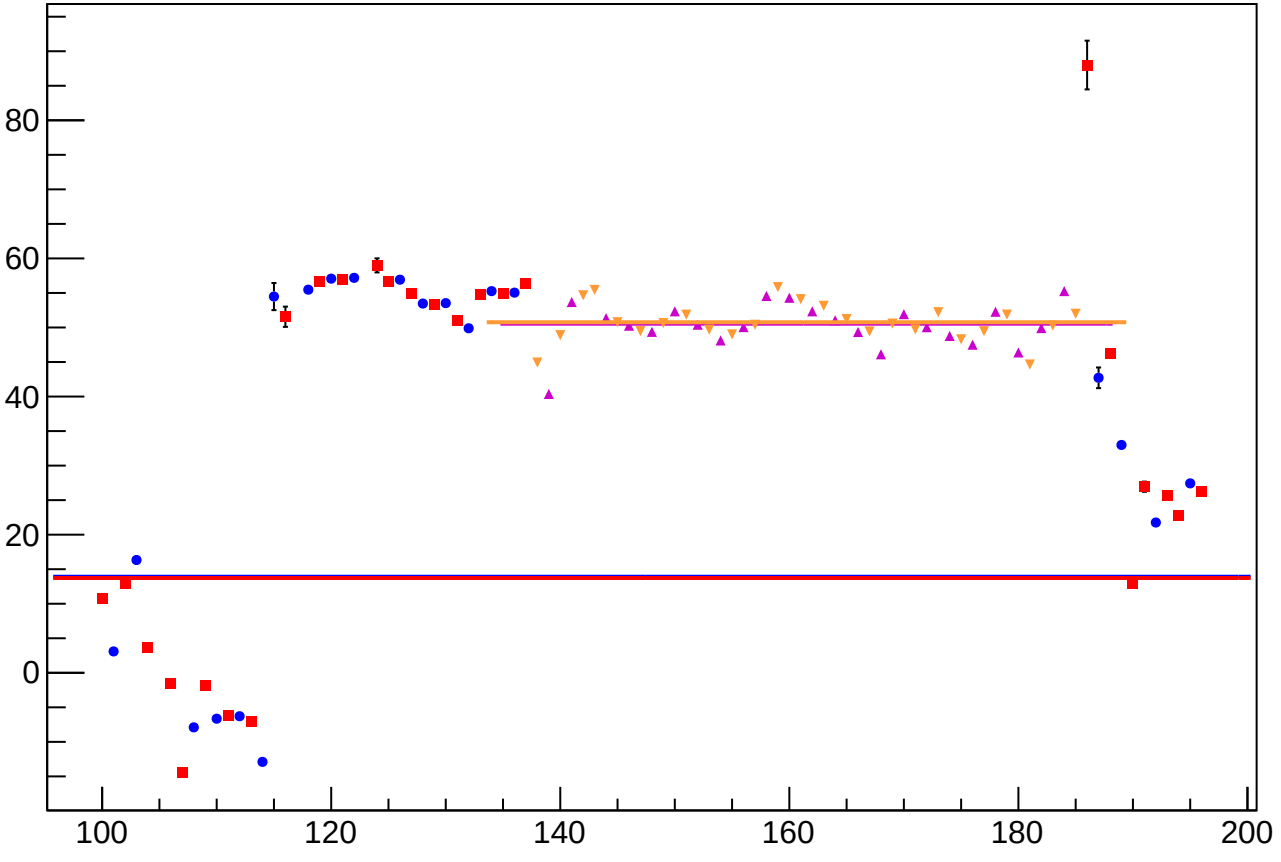
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.648+/-0.041 χ^2/NDF: 13915.5/44

All: 1.121+/-0.029 χ^2/NDF: 30200.8/93

- sign 0.625+/-0.040 χ^2/NDF: 15972.0/48

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.908+/-0.066 χ^2/NDF: 111225.8/19

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.726+/-0.064 χ^2/NDF: 128665.7/25

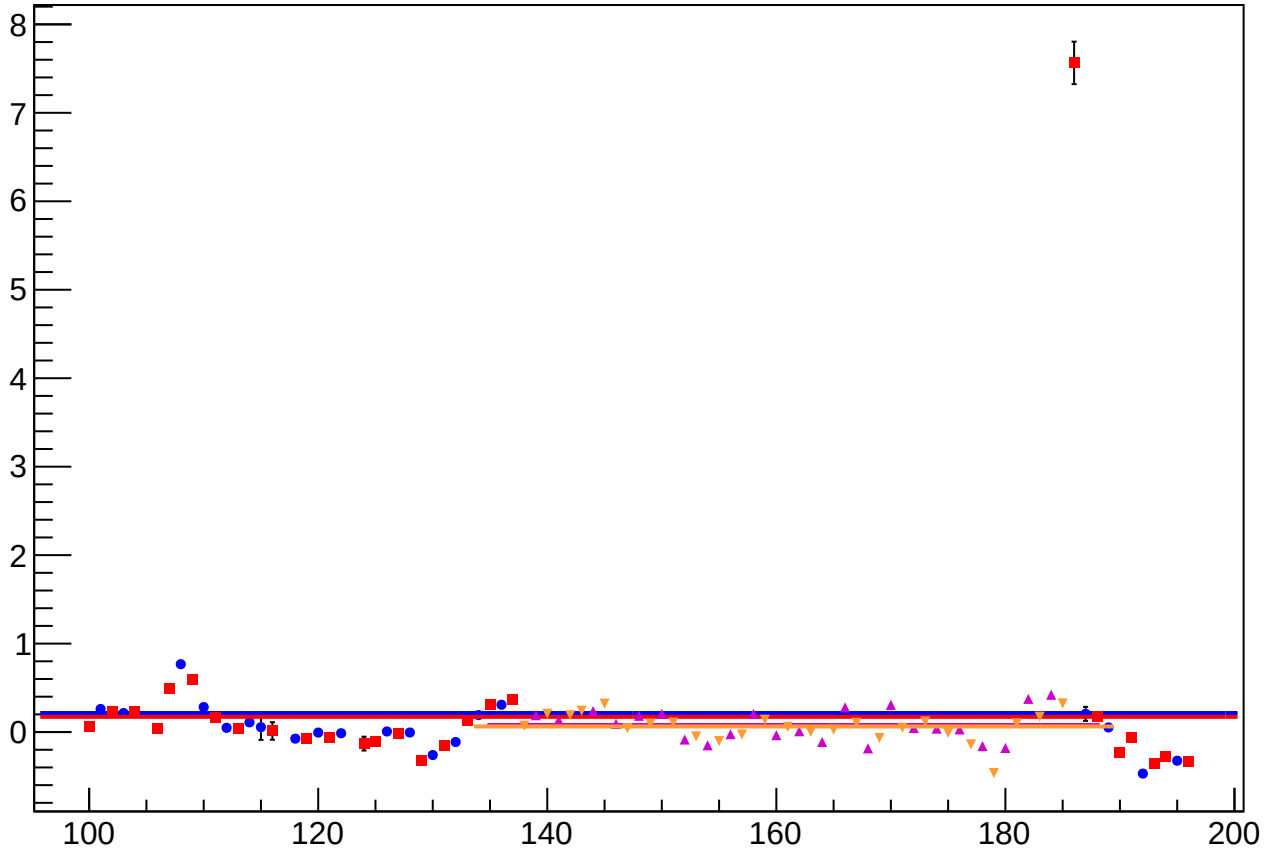
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.356+/-0.045 χ^2/NDF: 277505.3/44

All: 32.666+/-0.032 χ^2/NDF: 571465.6/93

- sign 31.968+/-0.046 χ^2/NDF: 293494.8/48

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215+/-0.003 χ^2/NDF: 8073.7/19

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.172+/-0.003 χ^2/NDF: 8318.9/25

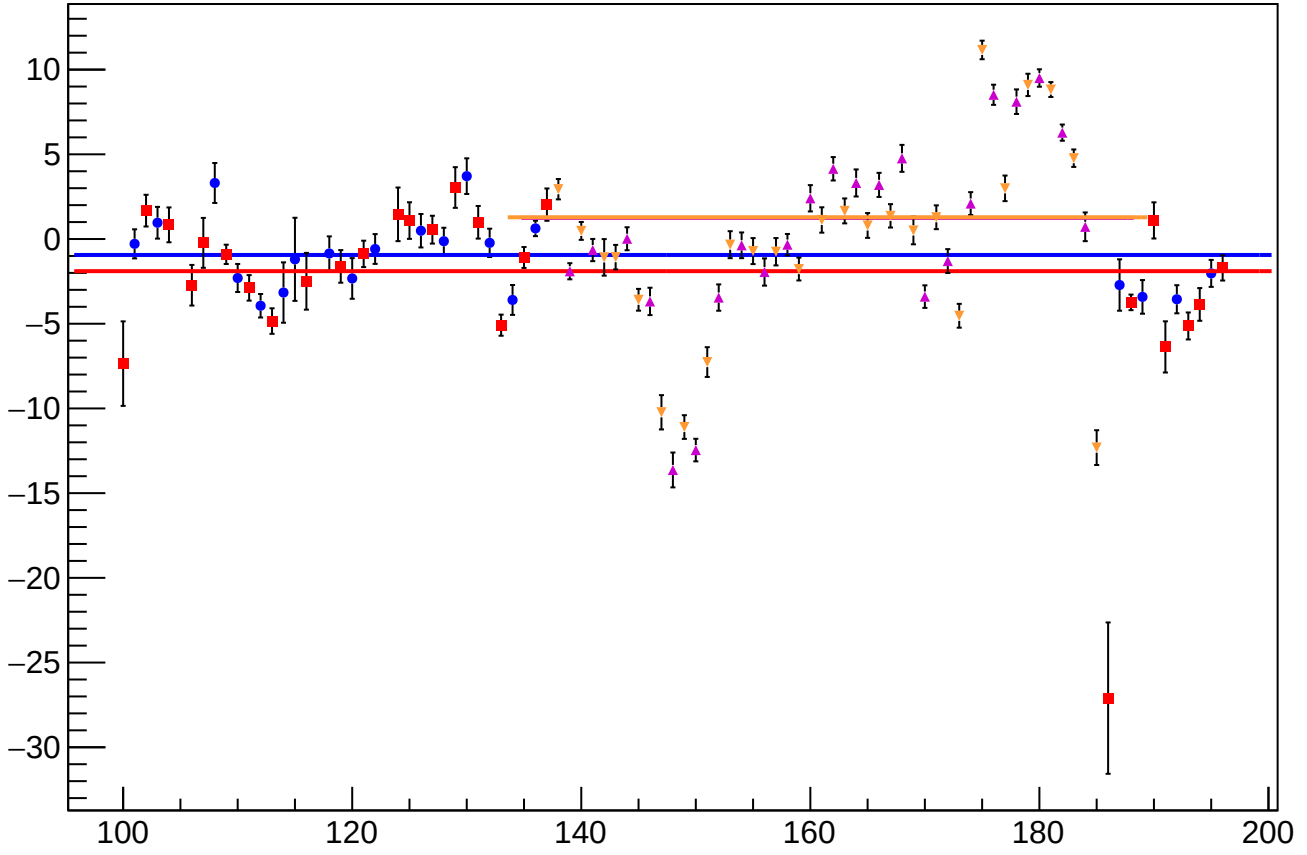
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

\+ sign 0.143+/-0.002 χ^2/NDF: 12191.4/44

All: 0.137+/-0.001 χ^2/NDF: 24569.4/93

\- sign 0.131+/-0.002 χ^2/NDF: 12358.5/48

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.941+/-0.197 χ^2/NDF: 105.8/19

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.897+/-0.170 χ^2/NDF: 227.1/25

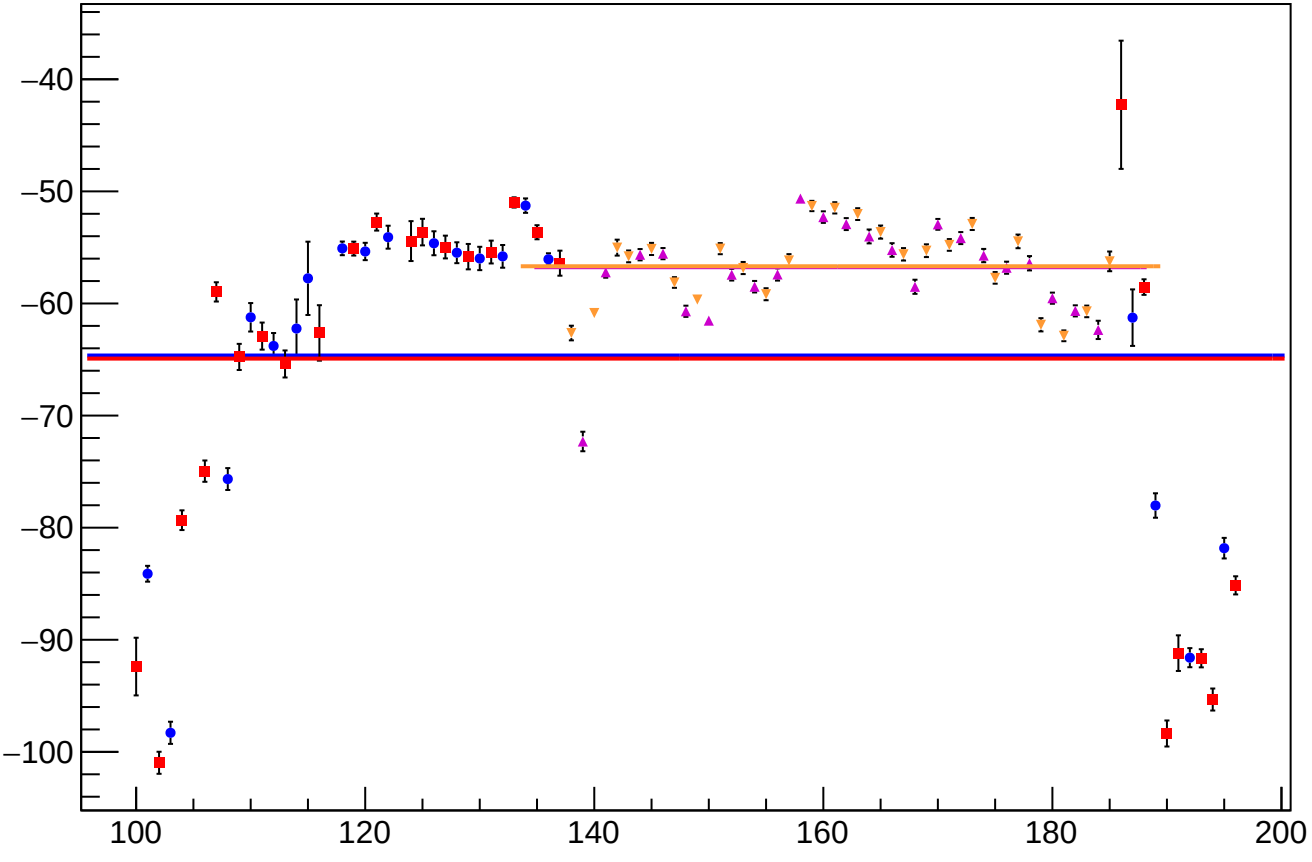
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.559+/-0.113 χ^2/NDF: 1907.1/44

All: 0.256+/-0.078 χ^2/NDF: 3863.3/93

- sign -0.025+/-0.108 χ^2/NDF: 1942.2/48

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -64.643+/-0.202 χ^2/NDF: 5079.6/19

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -64.917+/-0.180 χ^2/NDF: 7962.3/25

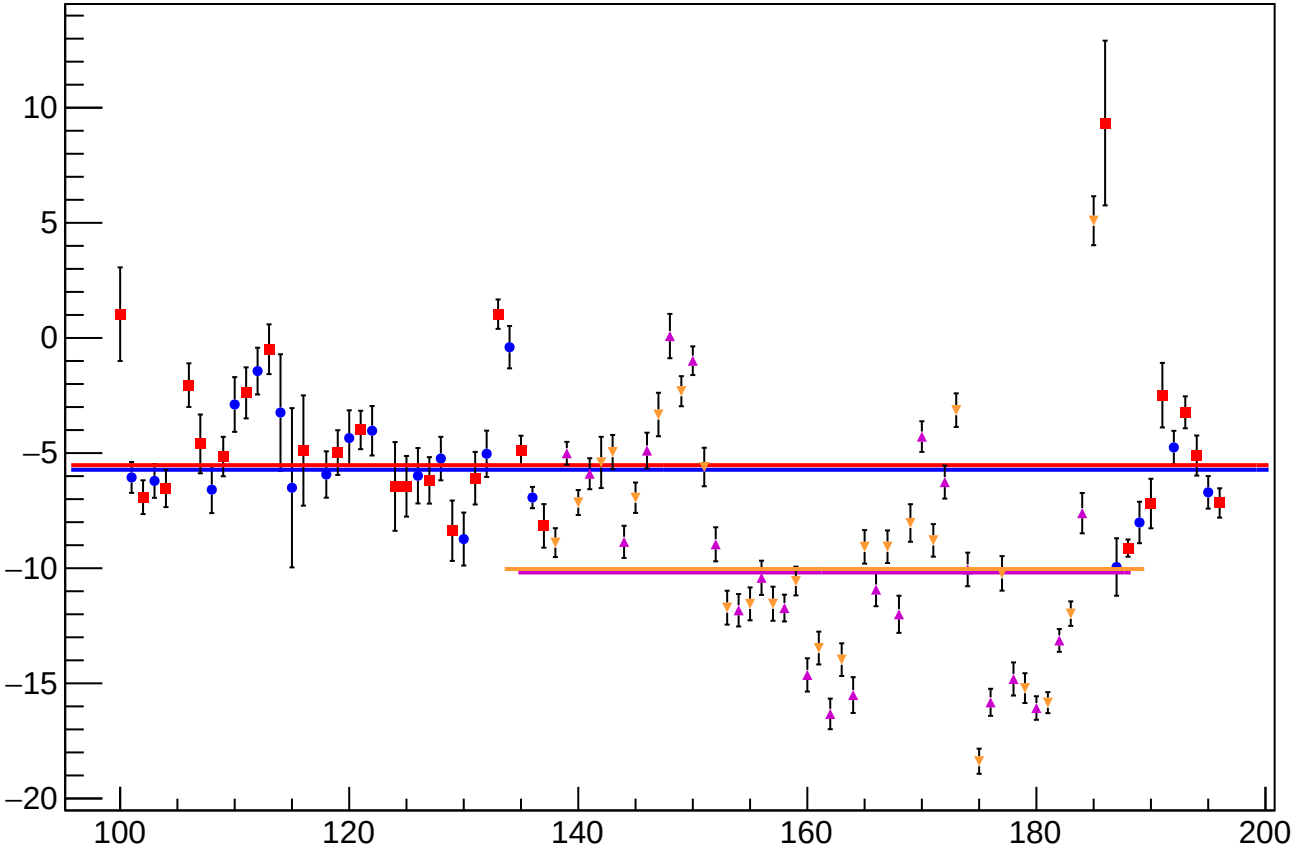
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.425+/-0.095 χ^2/NDF: 7302.7/44

All: -58.728+/-0.067 χ^2/NDF: 17869.9/93

- sign -59.034+/-0.095 χ^2/NDF: 10546.6/48

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.723+/-0.201 χ^2/NDF: 99.3/19

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.524+/-0.170 χ^2/NDF: 318.8/25

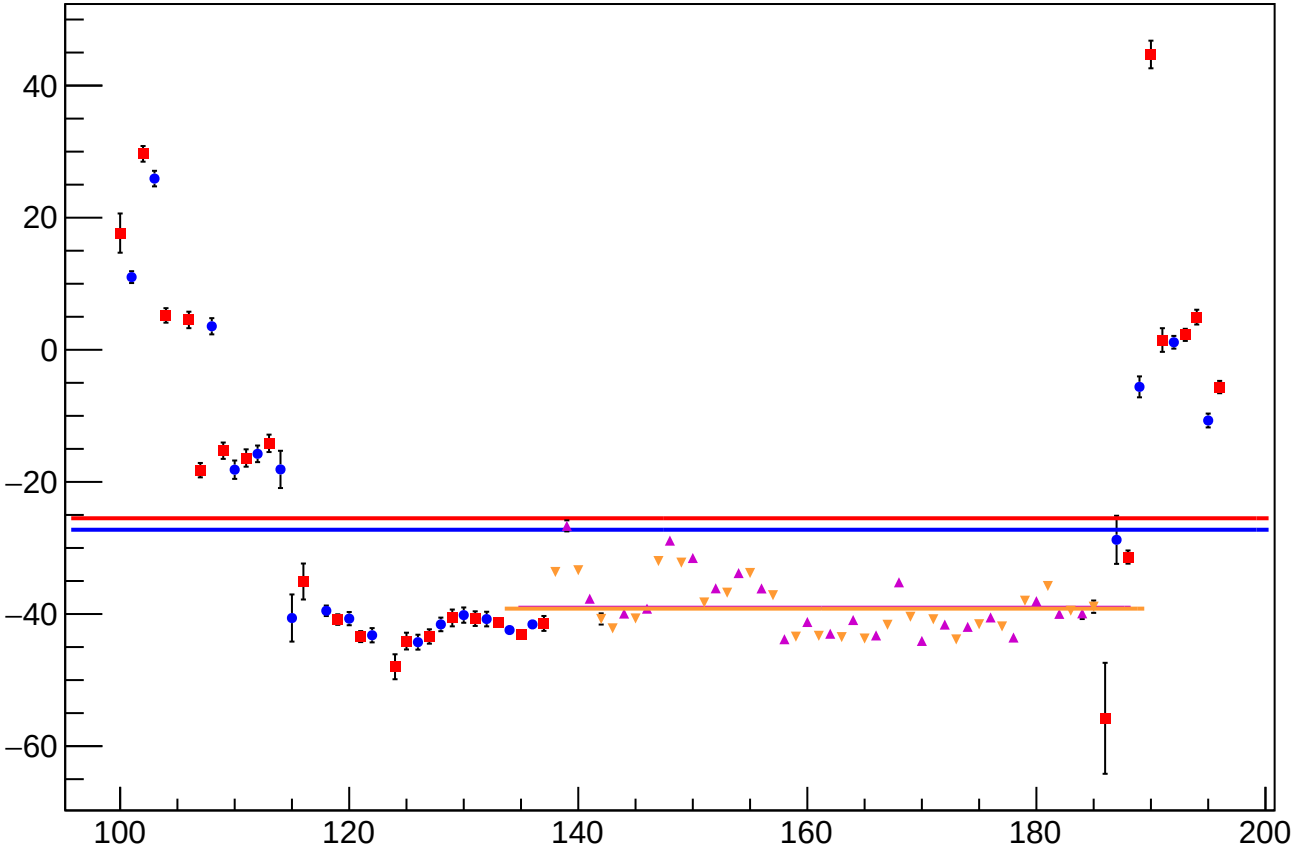
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.679+/-0.113 χ^2/NDF: 1596.5/44

All: -8.487+/-0.078 χ^2/NDF: 3514.1/93

- sign -8.312+/-0.108 χ^2/NDF: 1912.1/48

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -27.241+/-0.232 χ^2/NDF: 8422.5/19

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -25.503+/-0.211 χ^2/NDF: 11031.6/25

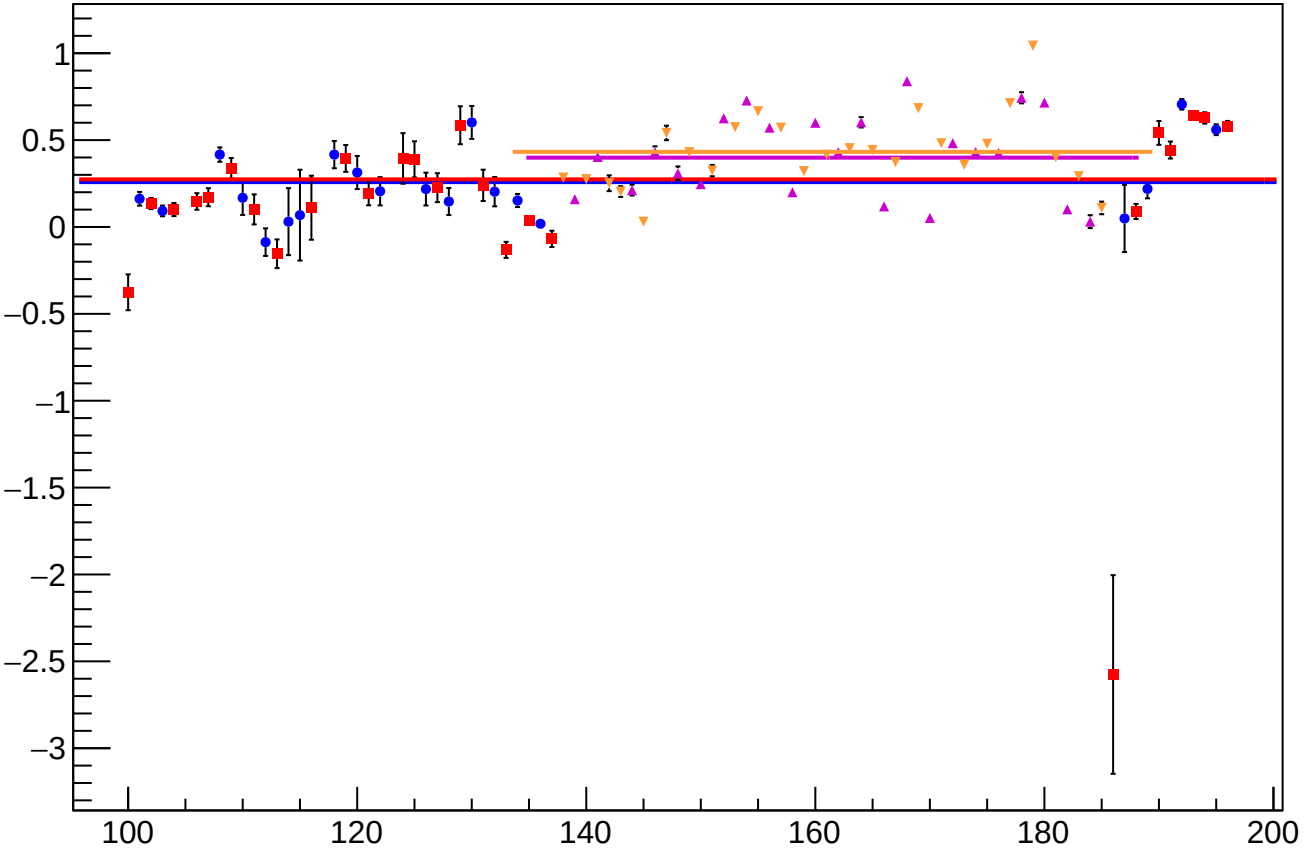
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.667+/-0.107 χ^2/NDF: 11542.9/44

All: -36.120+/-0.076 χ^2/NDF: 26903.7/93

- sign -35.567+/-0.107 χ^2/NDF: 15307.8/48

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.258+/-0.011 χ^2/NDF: 536.5/19

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.274+/-0.009 χ^2/NDF: 819.2/25

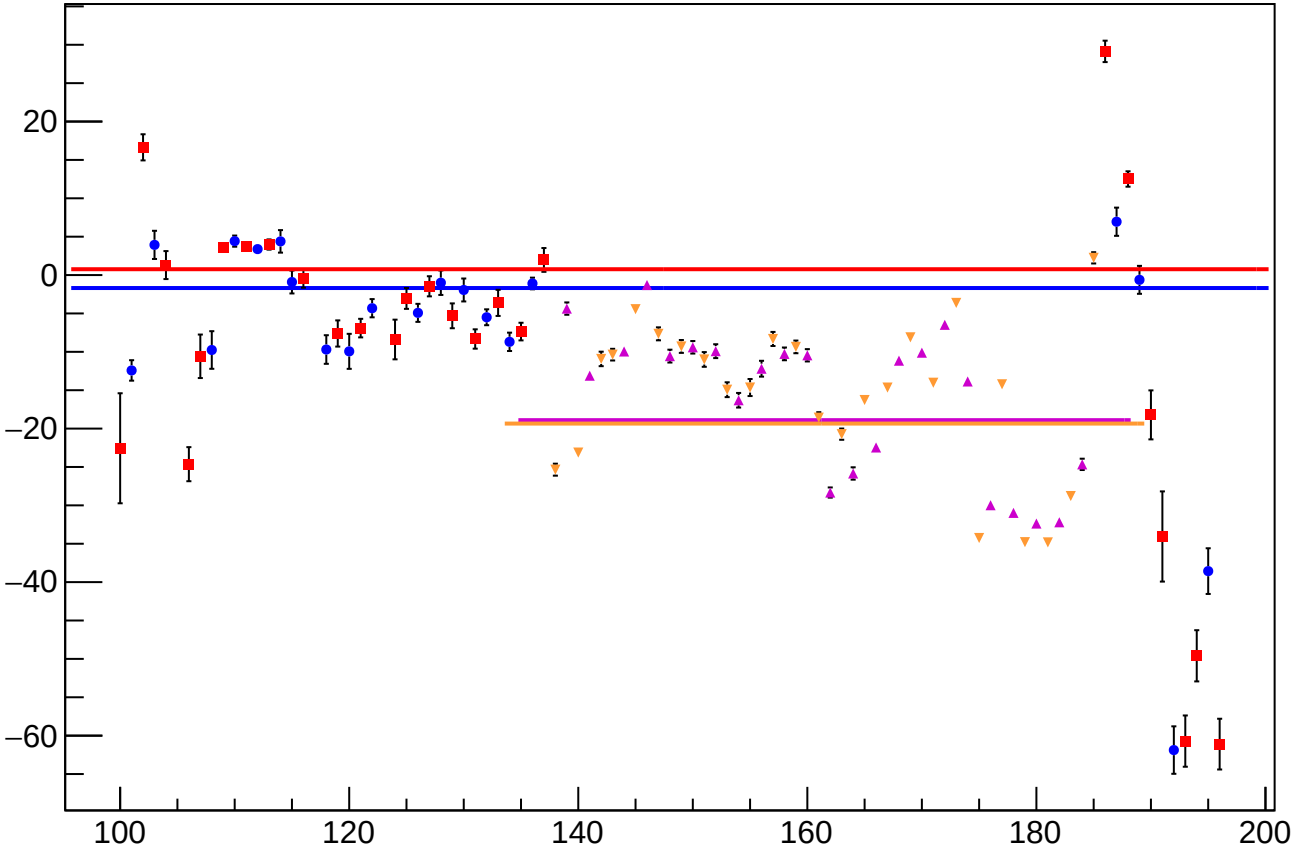
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.398+/-0.005 χ^2/NDF: 2120.5/44

All: 0.383+/-0.003 χ^2/NDF: 5013.1/93

- sign 0.369+/-0.005 χ^2/NDF: 2874.1/48

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.689+/-0.272 χ^2/NDF: 891.4/19

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.761+/-0.250 χ^2/NDF: 2063.5/25

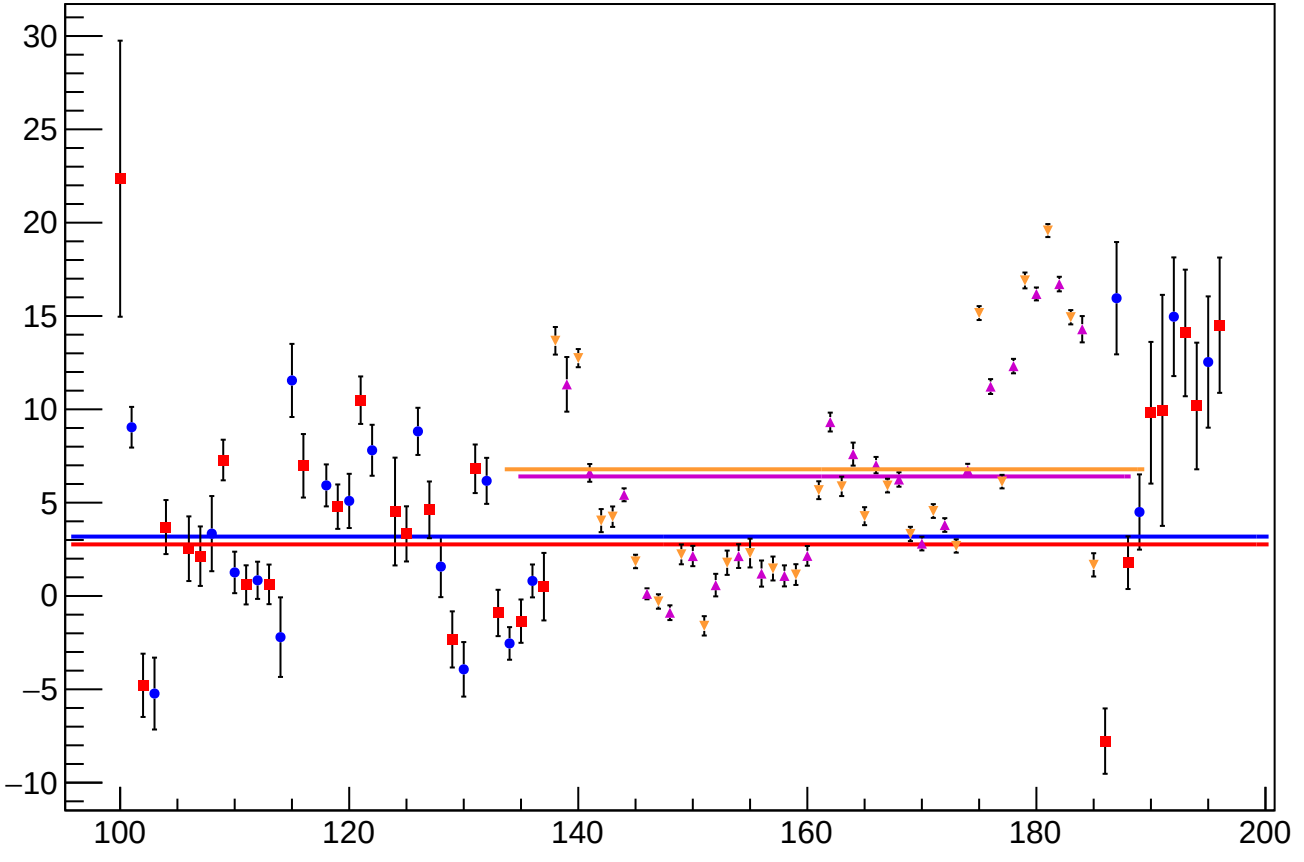
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.733+/-0.105 χ^2/NDF: 14877.3/44

All: -16.075+/-0.074 χ^2/NDF: 30400.1/93

- sign -15.408+/-0.105 χ^2/NDF: 15443.0/48

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.183+/-0.305 χ^2/NDF: 240.1/19

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.764+/-0.304 χ^2/NDF: 212.9/25

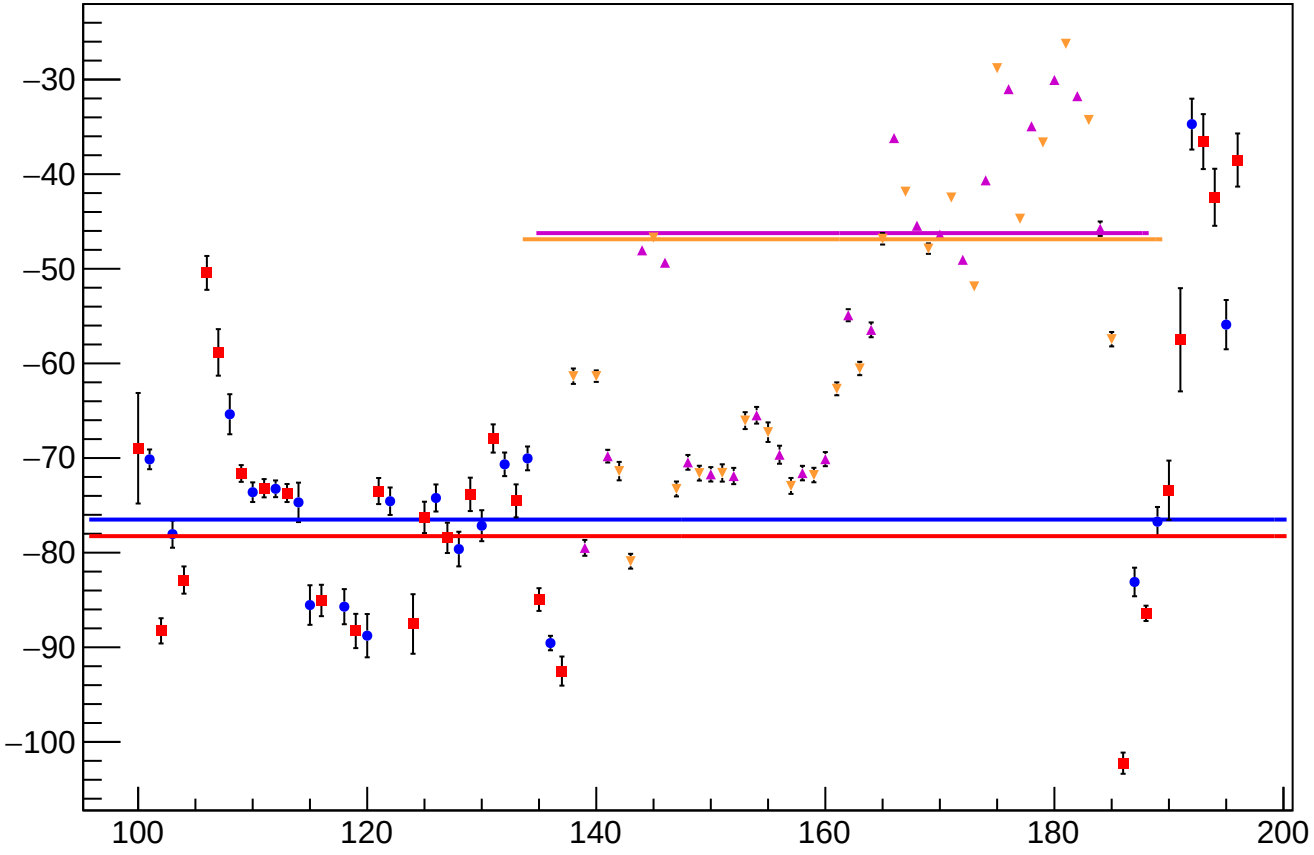
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.499+/-0.086 χ^2/NDF: 5000.8/44

All: 6.304+/-0.061 χ^2/NDF: 8765.9/93

- sign 6.104+/-0.087 χ^2/NDF: 3754.7/48

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -76.502+/-0.308 χ^2/NDF: 830.2/19

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.254+/-0.288 χ^2/NDF: 1850.6/25

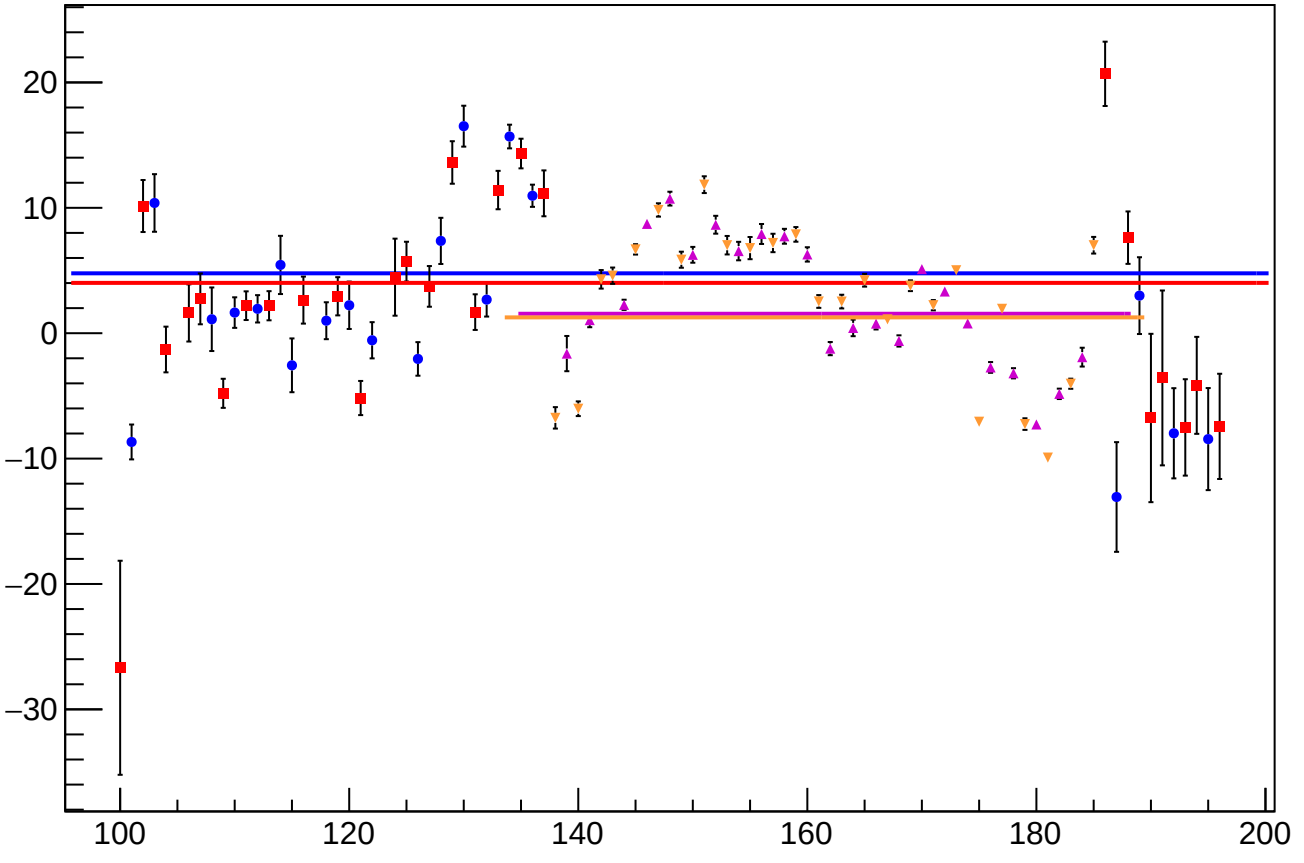
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.442+/-0.107 χ^2/NDF: 26931.9/44

All: -50.584+/-0.076 χ^2/NDF: 54608.2/93

- sign -50.728+/-0.108 χ^2/NDF: 27672.8/48

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.776+/-0.344 χ^2/NDF: 453.5/19

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.014+/-0.348 χ^2/NDF: 361.5/25

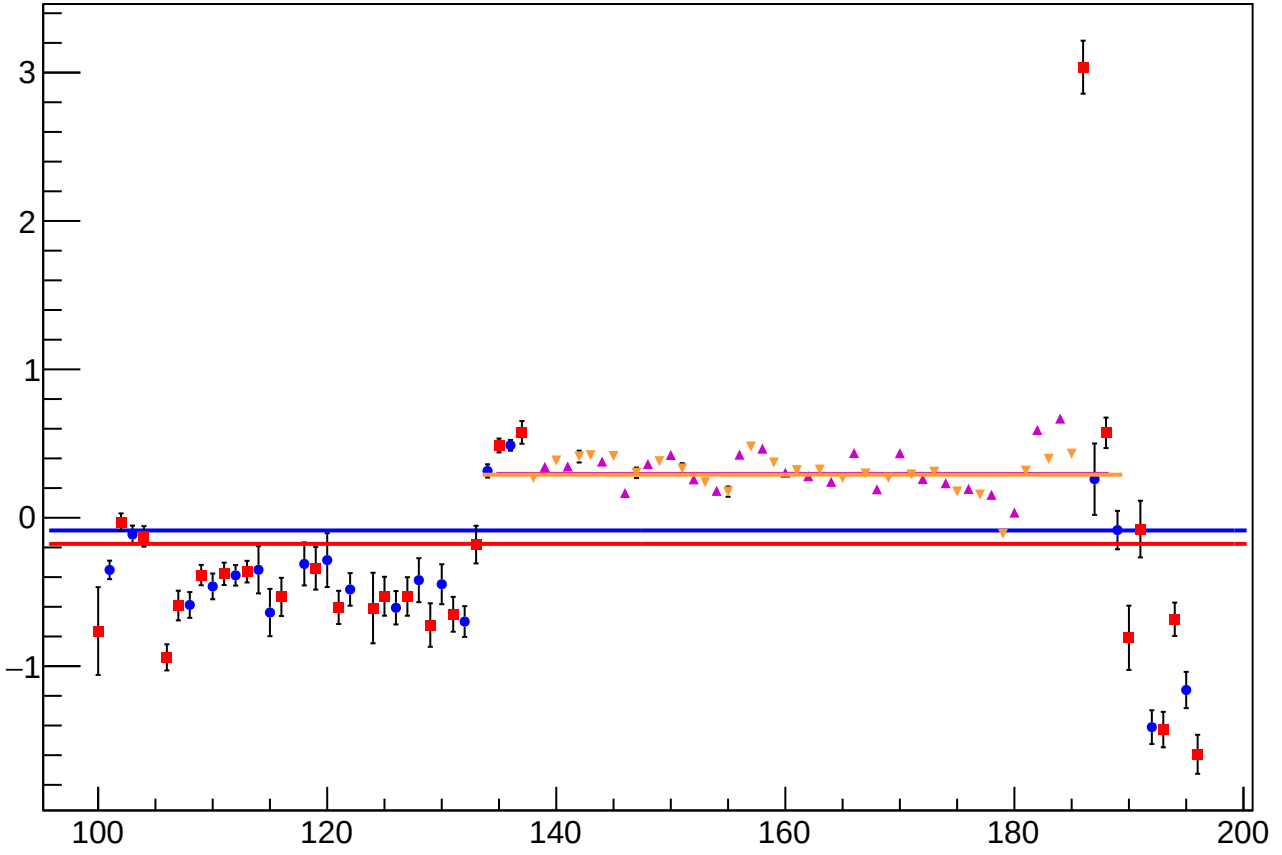
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.538+/-0.096 χ^2/NDF: 3995.6/44

All: 1.640+/-0.069 χ^2/NDF: 6741.2/93

- sign 1.746+/-0.098 χ^2/NDF: 2743.3/48

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.086+/-0.018 χ^2/NDF: 737.7/19

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.176+/-0.019 χ^2/NDF: 1127.5/25

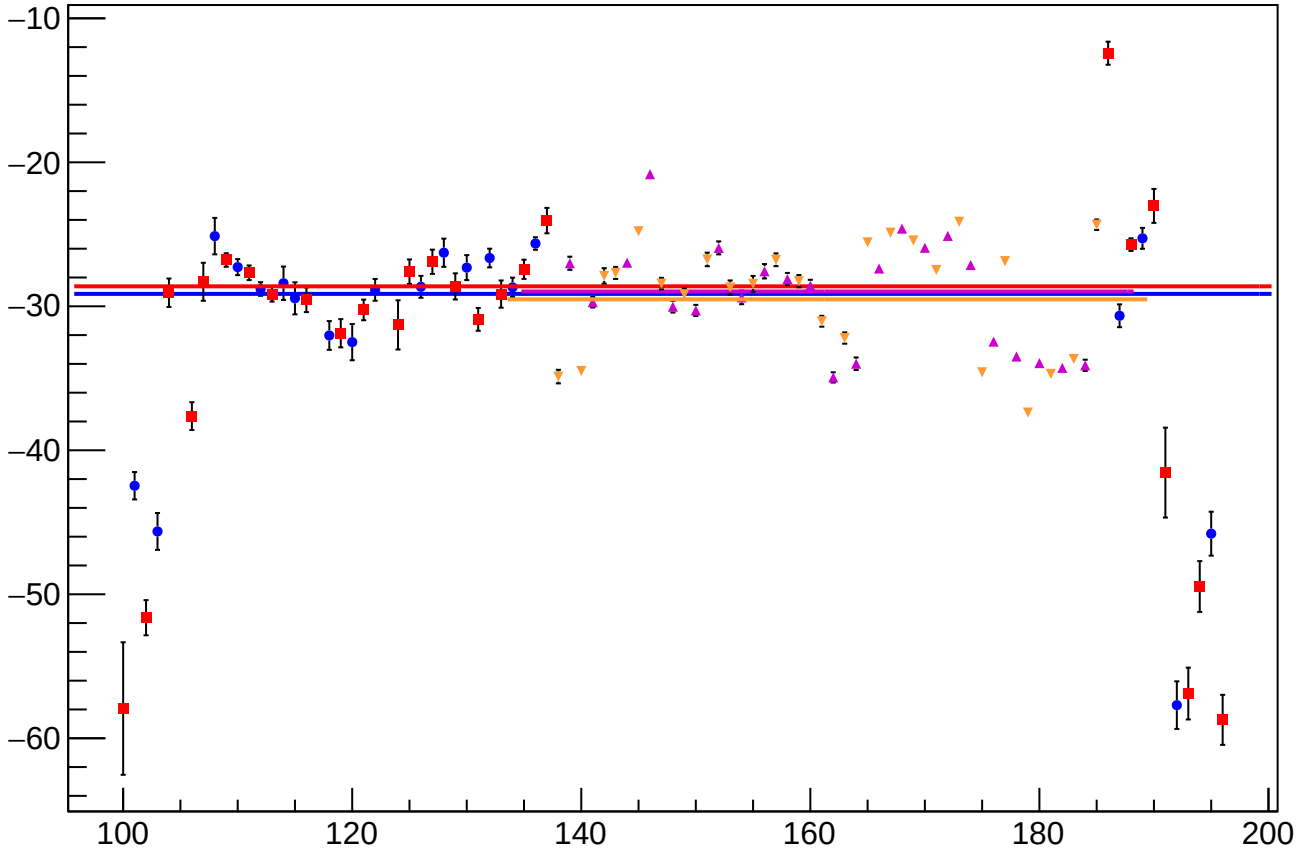
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.269+/-0.004 χ^2/NDF: 1857.9/44

All: 0.269+/-0.003 χ^2/NDF: 4614.0/93

- sign 0.269+/-0.004 χ^2/NDF: 2756.1/48

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.137+/-0.173 χ^2/NDF: 942.5/19

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.613+/-0.160 χ^2/NDF: 1746.0/25

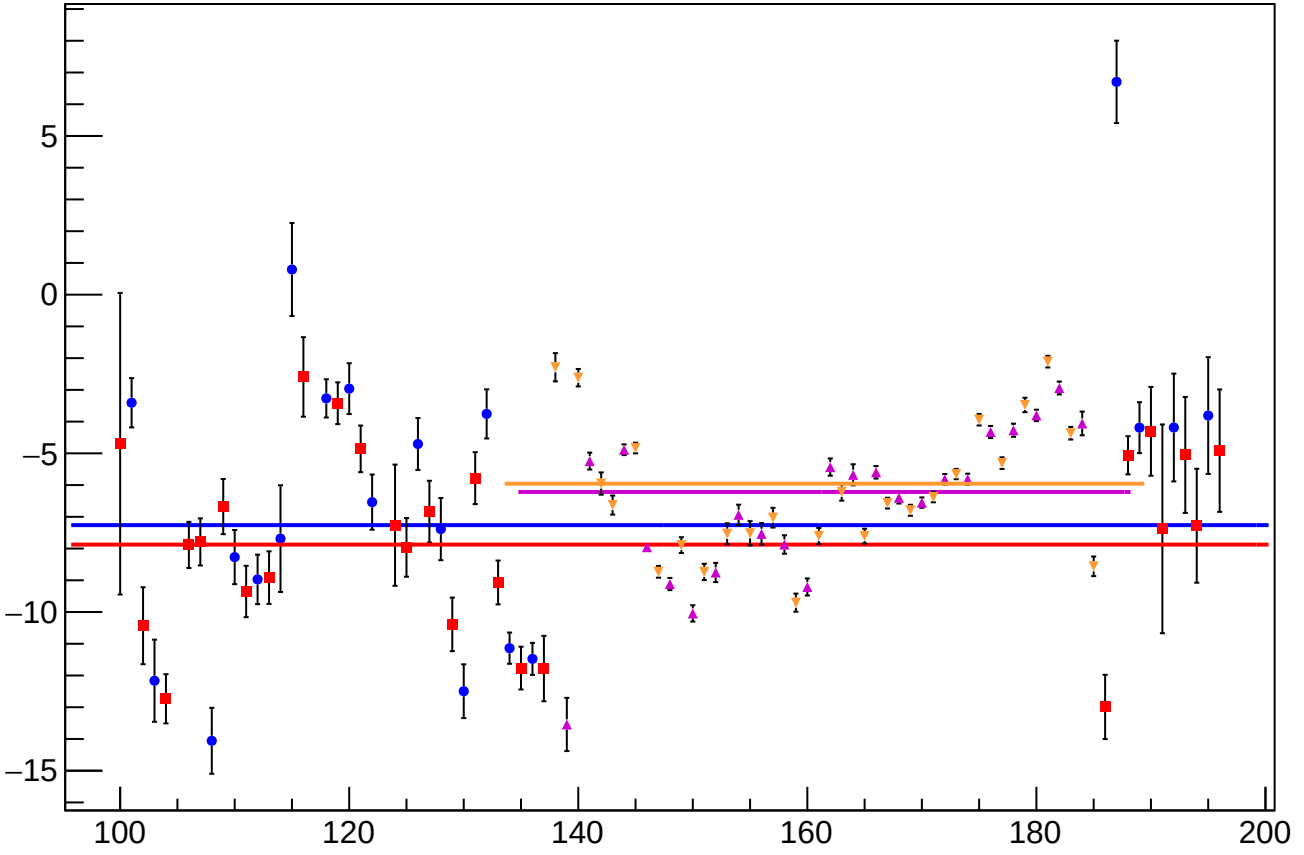
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.480+/-0.054 χ^2/NDF: 7035.3/44

All: -29.206+/-0.038 χ^2/NDF: 14186.8/93

- sign -28.931+/-0.054 χ^2/NDF: 7099.0/48

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.262+/-0.185 χ^2/NDF: 529.1/19

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.876+/-0.179 χ^2/NDF: 257.8/25

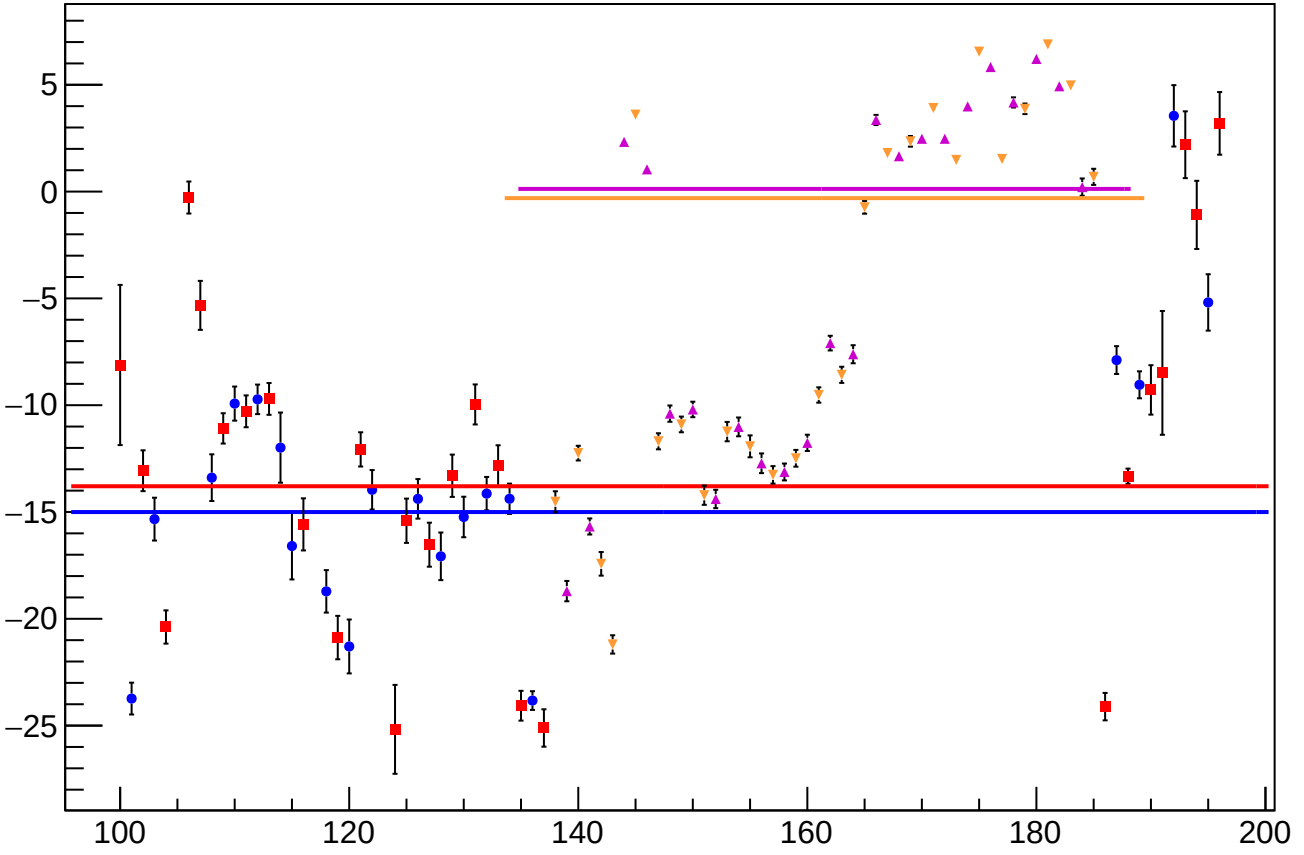
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2433.8/44

All: -6.170+/-0.030 χ^2/NDF: 4535.8/93

- sign -6.312+/-0.043 χ^2/NDF: 2080.1/48

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -15.003+/-0.187 χ^2/NDF: 1125.3/19

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.795+/-0.168 χ^2/NDF: 1598.1/25

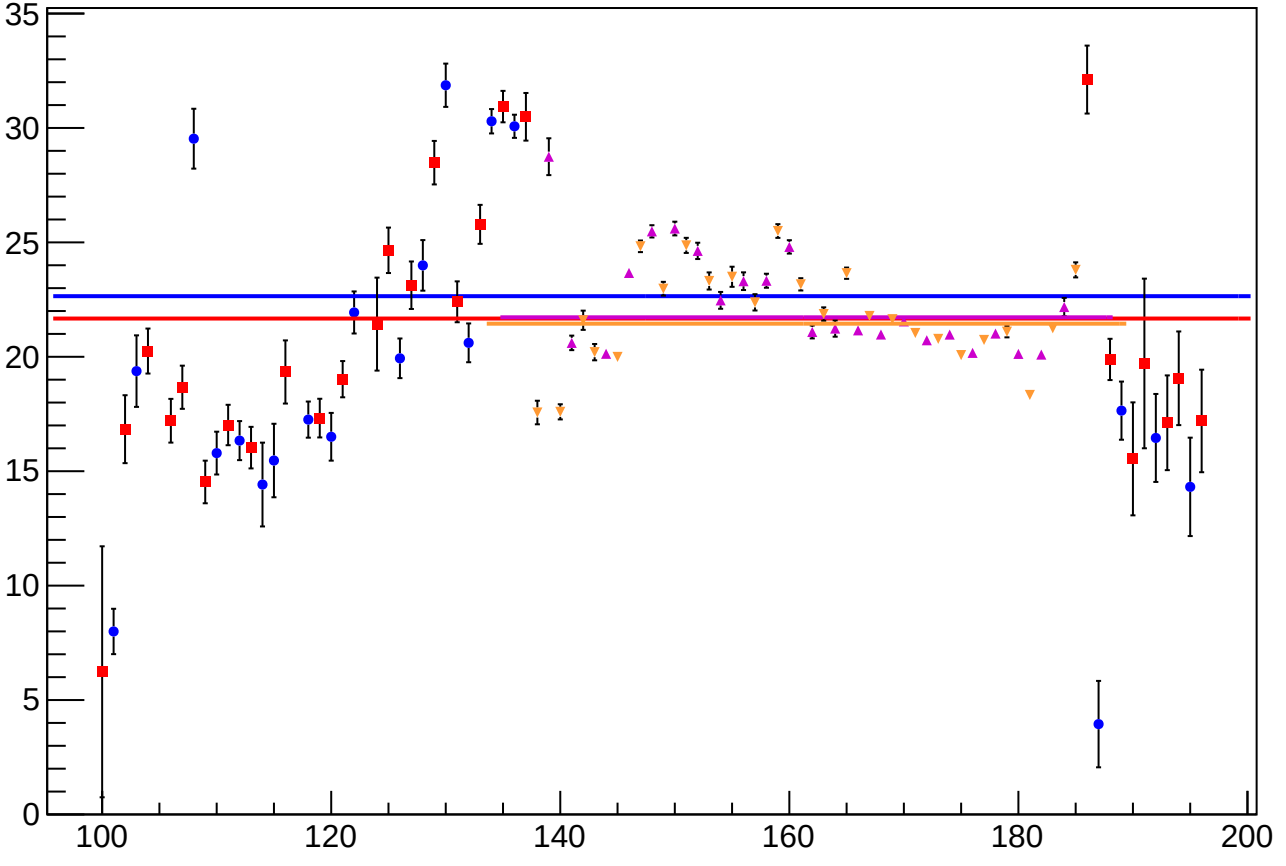
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.543+/-0.054 χ^2/NDF: 23990.6/44

All: -1.427+/-0.038 χ^2/NDF: 45590.4/93

- sign -1.311+/-0.054 χ^2/NDF: 21590.6/48

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.649+/-0.211 χ^2/NDF: 1153.8/19

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.672+/-0.211 χ^2/NDF: 628.6/25

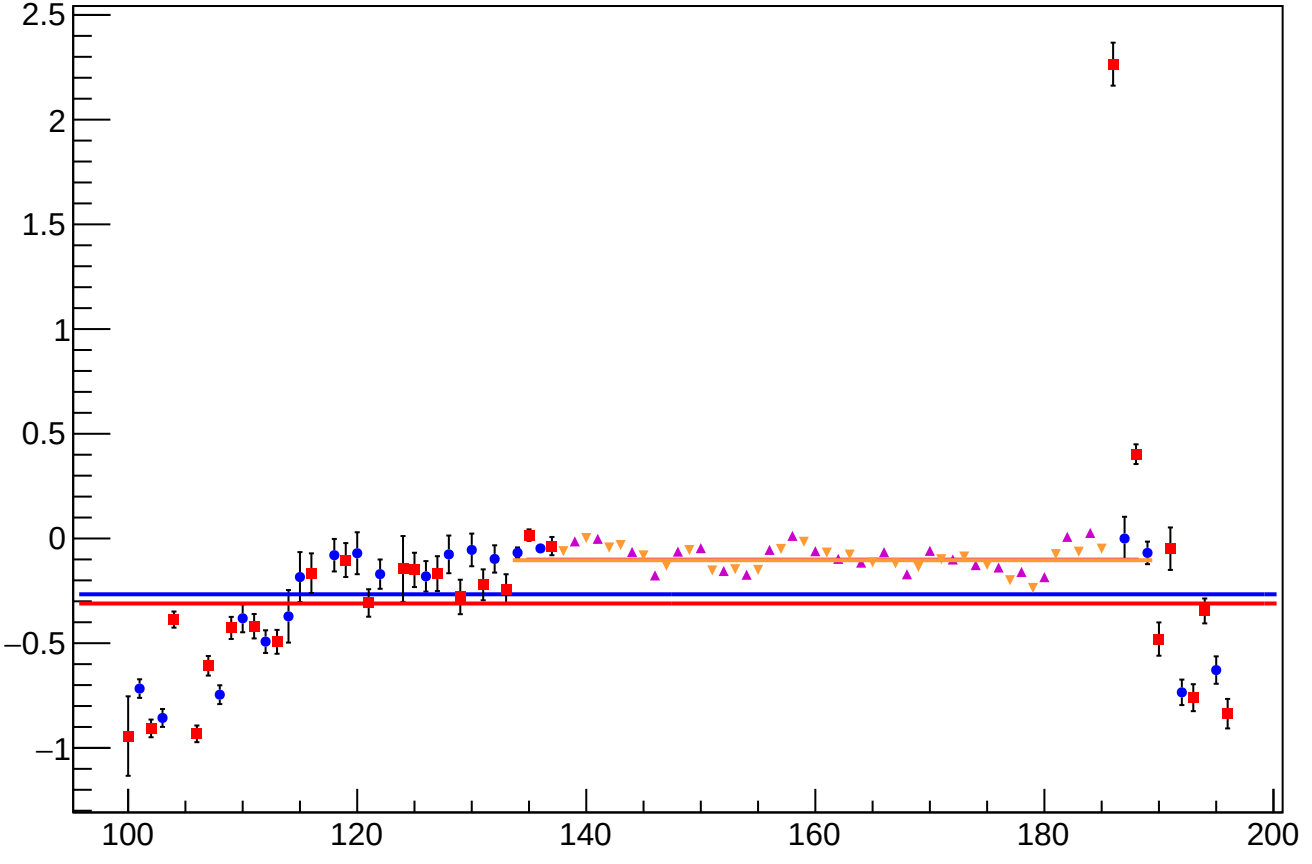
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.509+/-0.048 χ^2/NDF: 2509.7/44

All: 21.616+/-0.034 χ^2/NDF: 4321.9/93

- sign 21.722+/-0.048 χ^2/NDF: 1802.4/48

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.266+/-0.011 χ^2/NDF: 745.3/19

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.310+/-0.011 χ^2/NDF: 1697.3/25

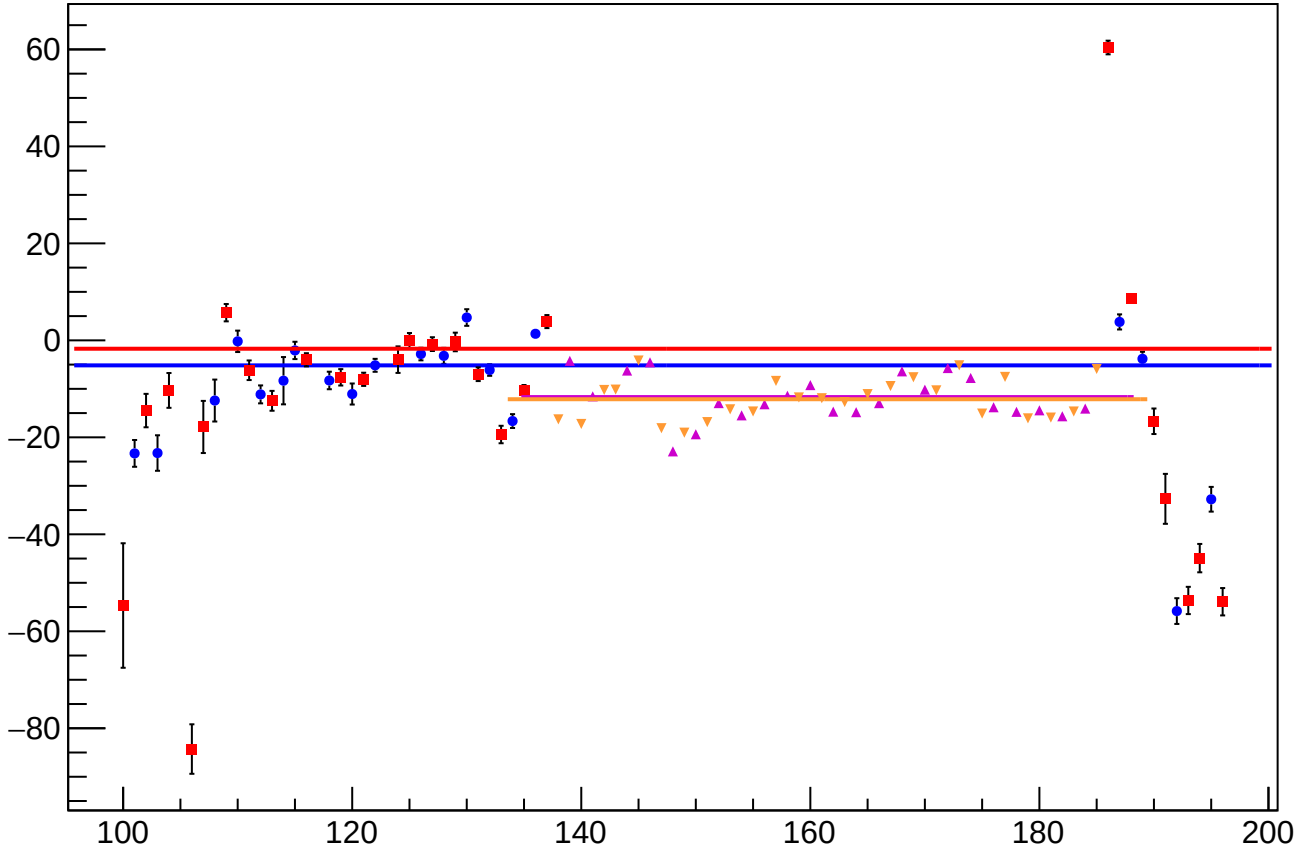
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.110+/-0.002 χ^2/NDF: 1503.8/44

All: -0.110+/-0.002 χ^2/NDF: 4298.9/93

- sign -0.109+/-0.002 χ^2/NDF: 2795.0/48

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -5.160+/-0.353 χ^2/NDF: 810.7/19

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -1.728+/-0.342 χ^2/NDF: 3661.1/25

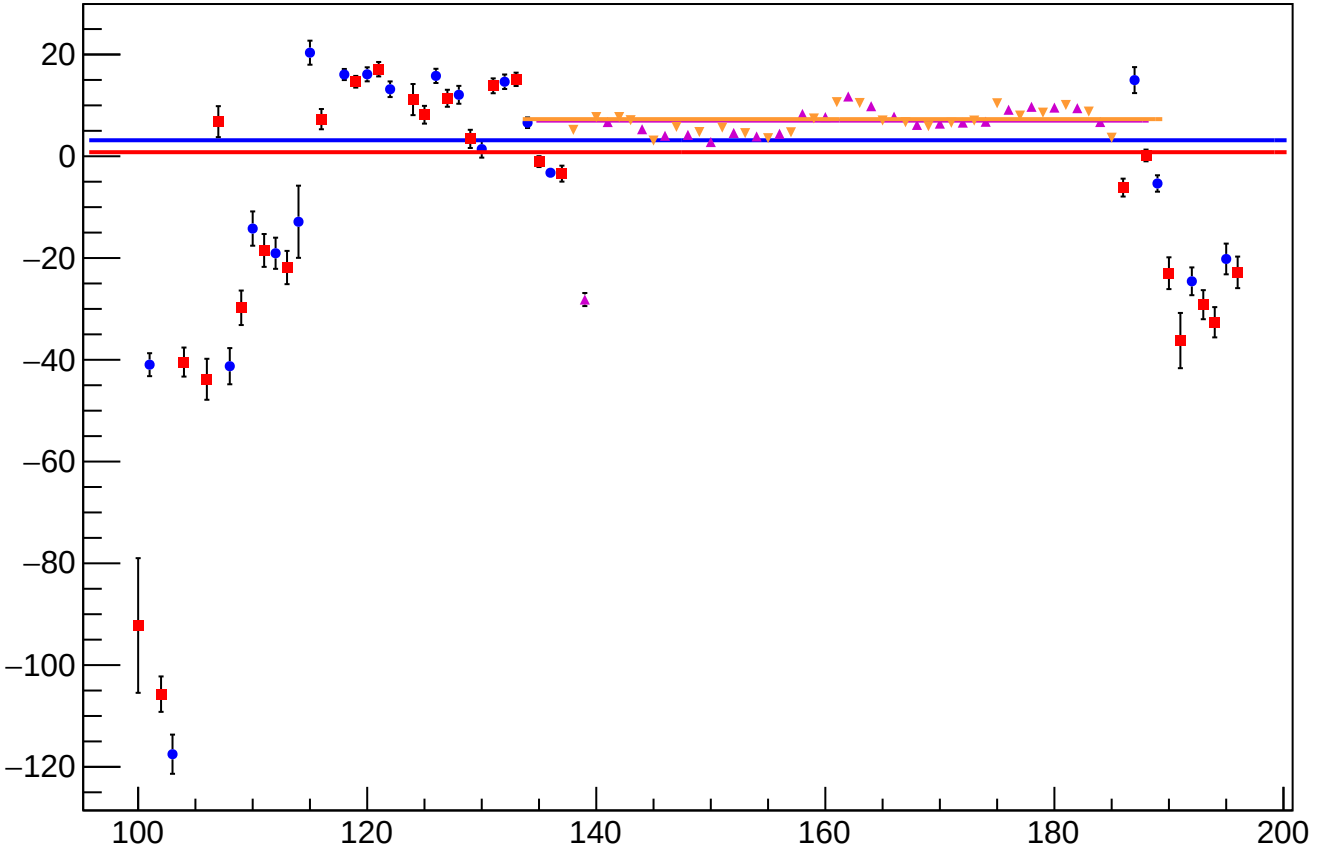
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.702+/-0.089 χ^2/NDF: 3308.4/44

All: -11.357+/-0.063 χ^2/NDF: 9742.2/93

- sign -10.993+/-0.091 χ^2/NDF: 6402.5/48

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 3.146+/-0.365 χ^2/NDF: 2389.9/19

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.801+/-0.374 χ^2/NDF: 2469.7/25

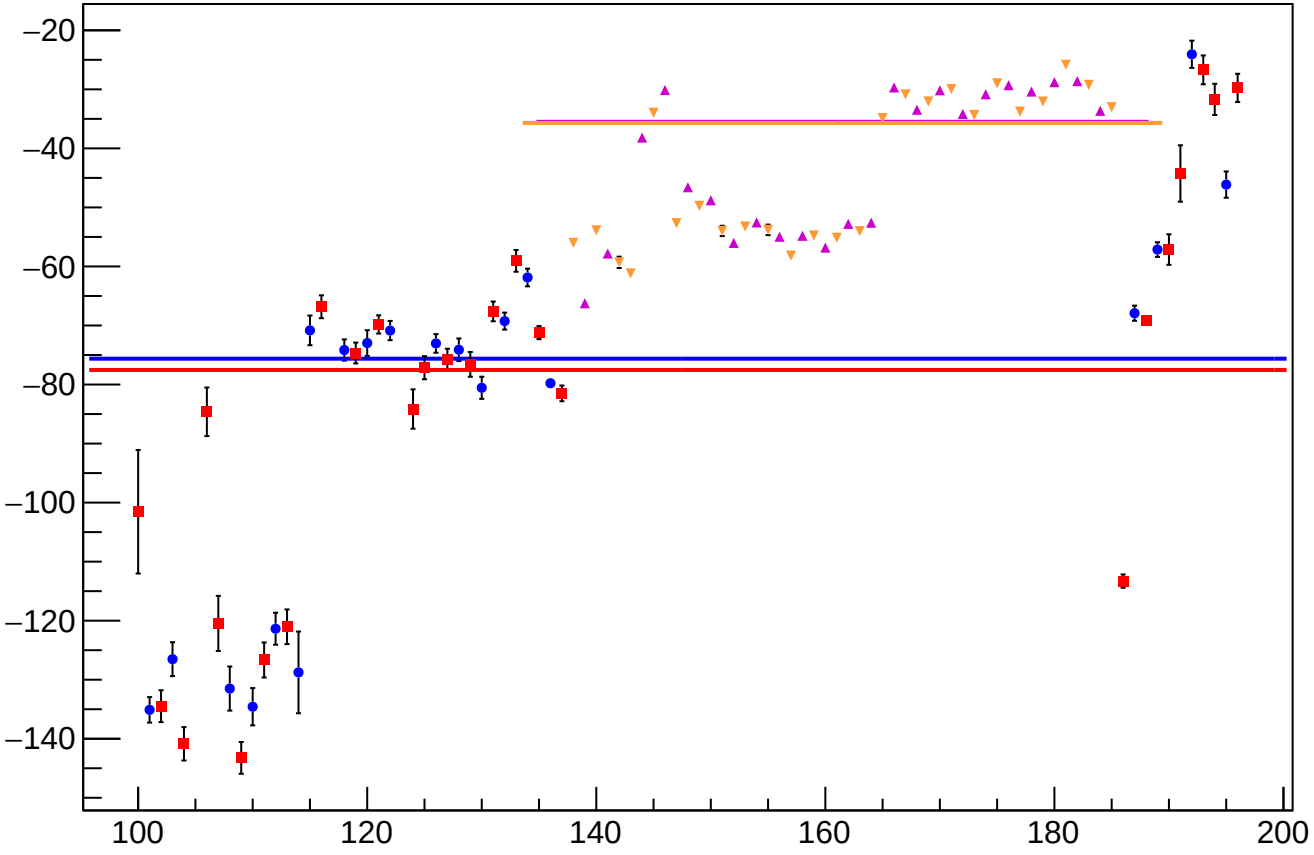
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.128+/-0.073 χ^2/NDF: 3337.2/44

All: 6.946+/-0.052 χ^2/NDF: 7659.8/93

- sign 6.758+/-0.074 χ^2/NDF: 4310.0/48

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -75.621+/-0.368 χ^2/NDF: 3083.8/19

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -77.532+/-0.344 χ^2/NDF: 4778.4/25

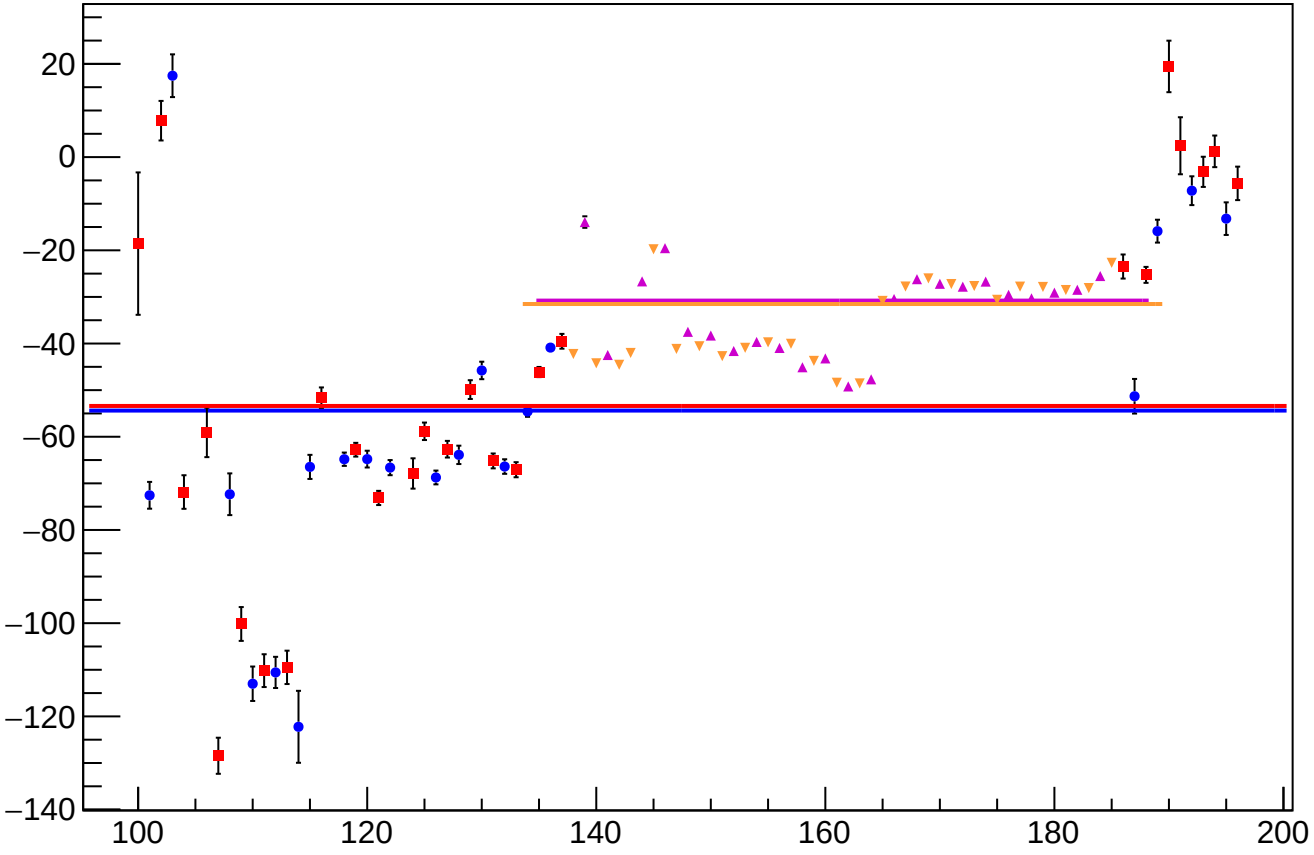
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.055+/-0.089 χ^2/NDF: 26964.8/44

All: -38.249+/-0.064 χ^2/NDF: 56793.7/93

- sign -38.451+/-0.091 χ^2/NDF: 29819.3/48

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -54.384+/-0.410 χ^2/NDF: 2185.7/19

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -53.393+/-0.433 χ^2/NDF: 3141.3/25

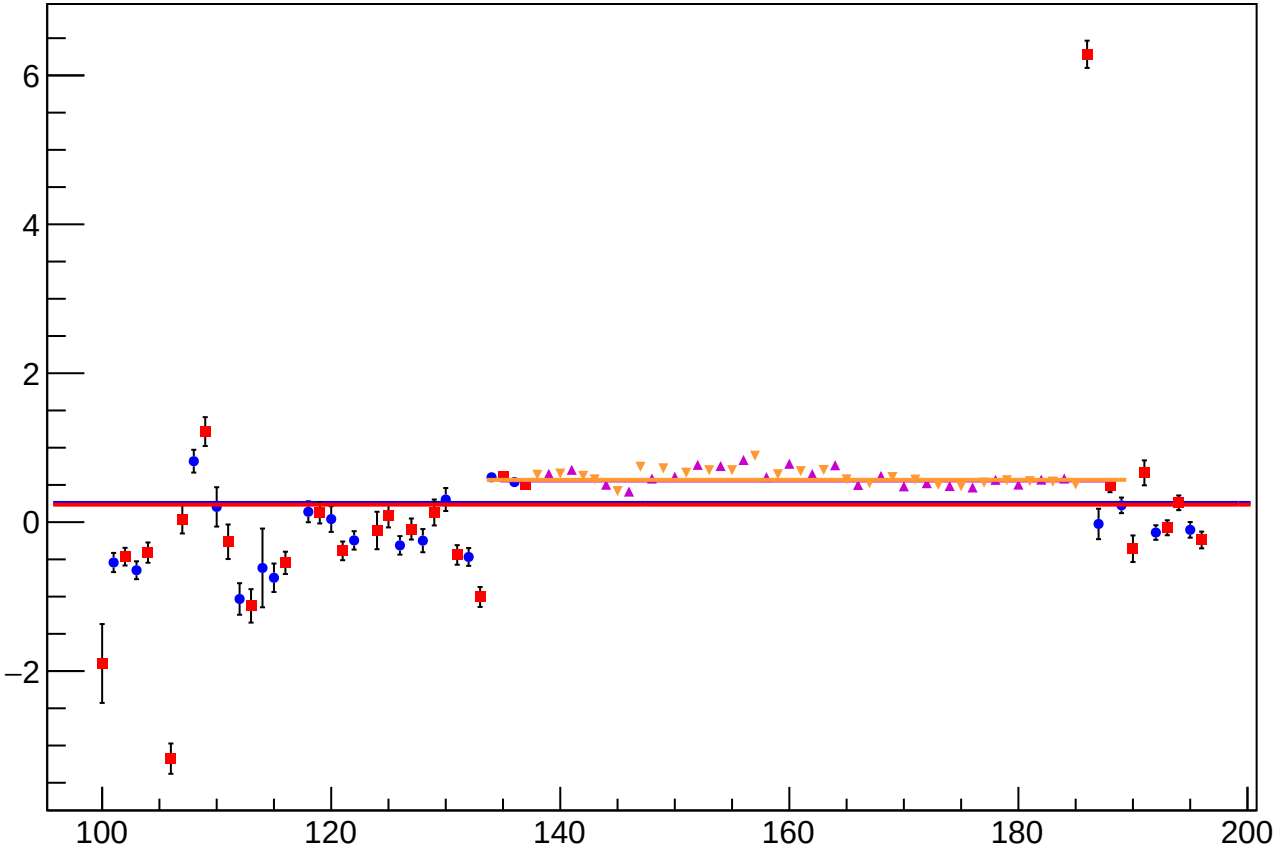
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.415+/-0.081 χ^2/NDF: 13628.4/44

All: -32.023+/-0.058 χ^2/NDF: 26993.3/93

- sign -31.615+/-0.083 χ^2/NDF: 13317.3/48

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.258+/-0.021 χ^2/NDF: 408.9/19

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.235+/-0.023 χ^2/NDF: 1835.4/25

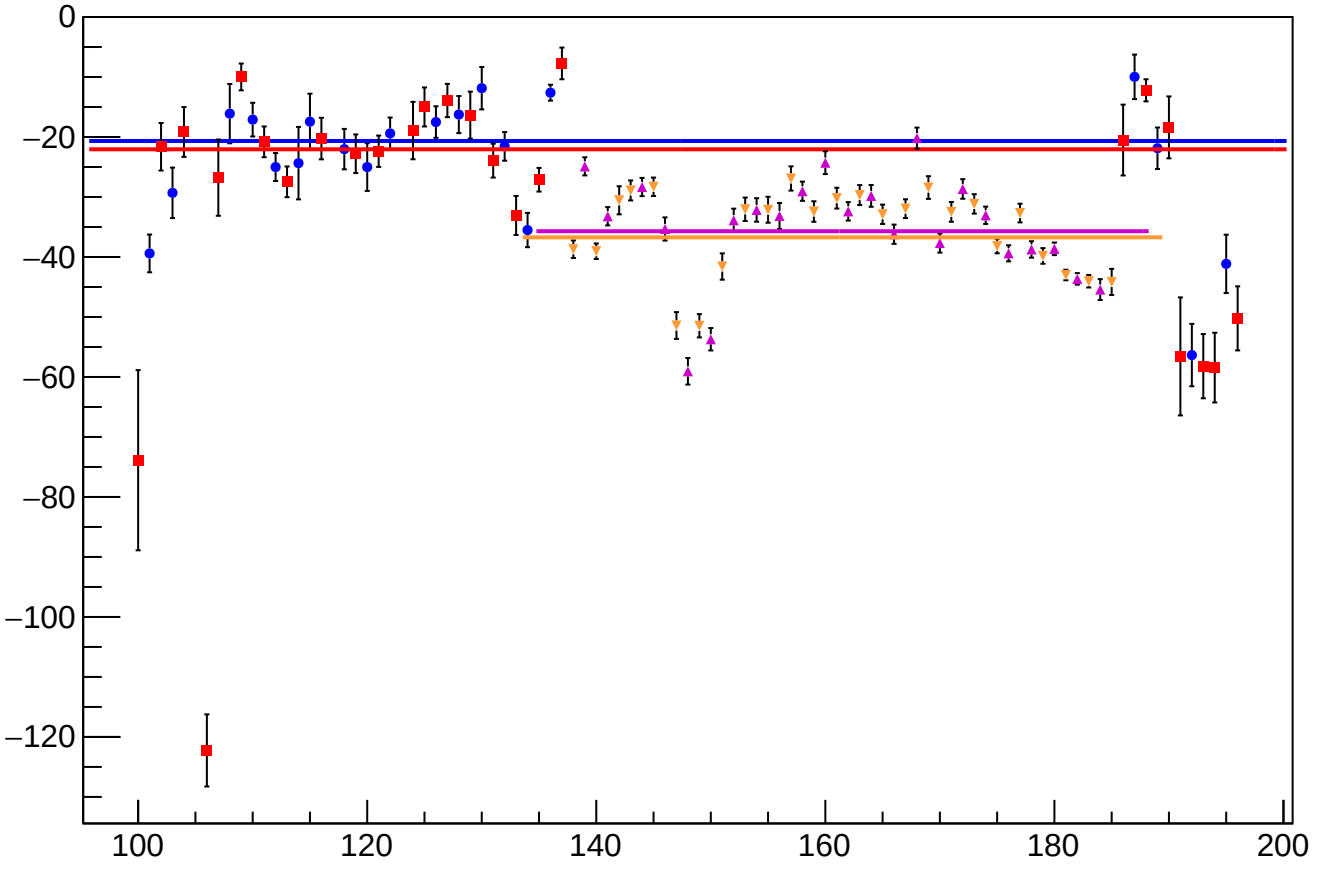
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1169.8/44

All: 0.555+/-0.003 χ^2/NDF: 3878.1/93

- sign 0.551+/-0.004 χ^2/NDF: 2705.9/48

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -20.664+/-0.658 χ^2/NDF: 194.9/19

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.050+/-0.641 χ^2/NDF: 542.6/25

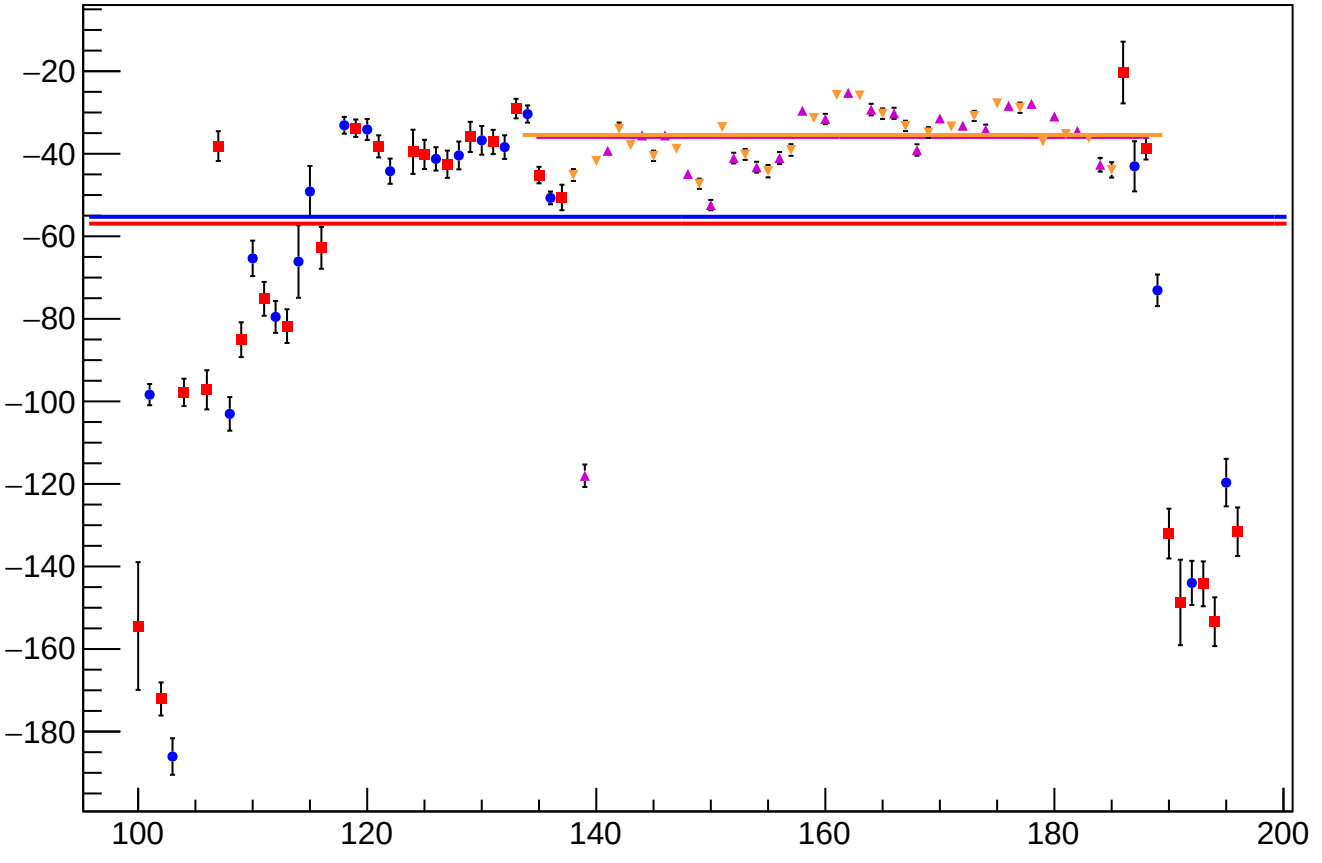
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.807+/-0.281 χ^2/NDF: 1102.7/44

All: -33.384+/-0.201 χ^2/NDF: 2590.6/93

- sign -32.937+/-0.289 χ^2/NDF: 1483.3/48

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -55.269+/-0.681 χ^2/NDF: 2222.0/19

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -56.929+/-0.694 χ^2/NDF: 2684.3/25

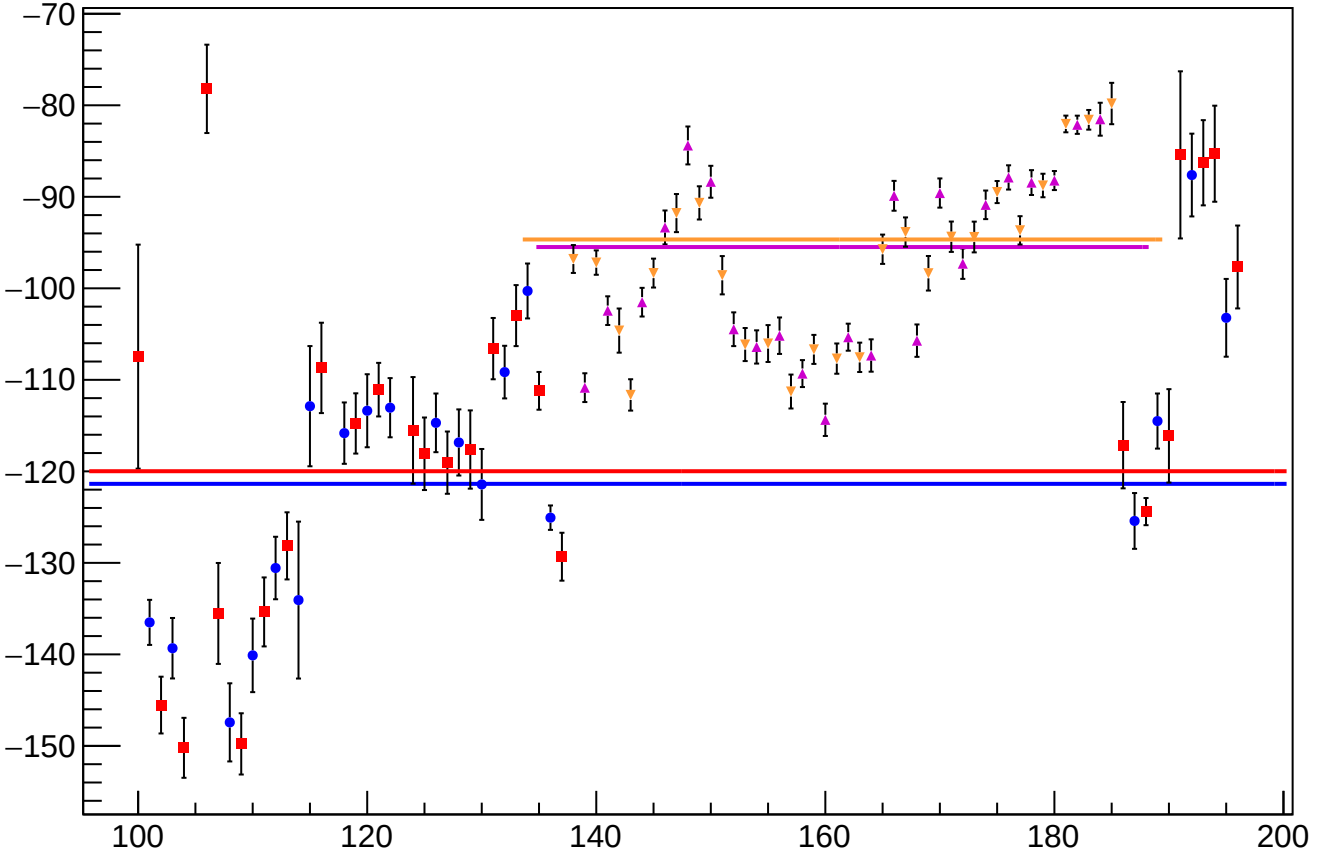
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.711+/-0.230 χ^2/NDF: 3510.0/44

All: -38.057+/-0.166 χ^2/NDF: 8549.8/93

- sign -38.434+/-0.240 χ^2/NDF: 5035.1/48

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -121.366+/-0.690 χ^2/NDF: 312.6/19

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.985+/-0.668 χ^2/NDF: 573.3/25

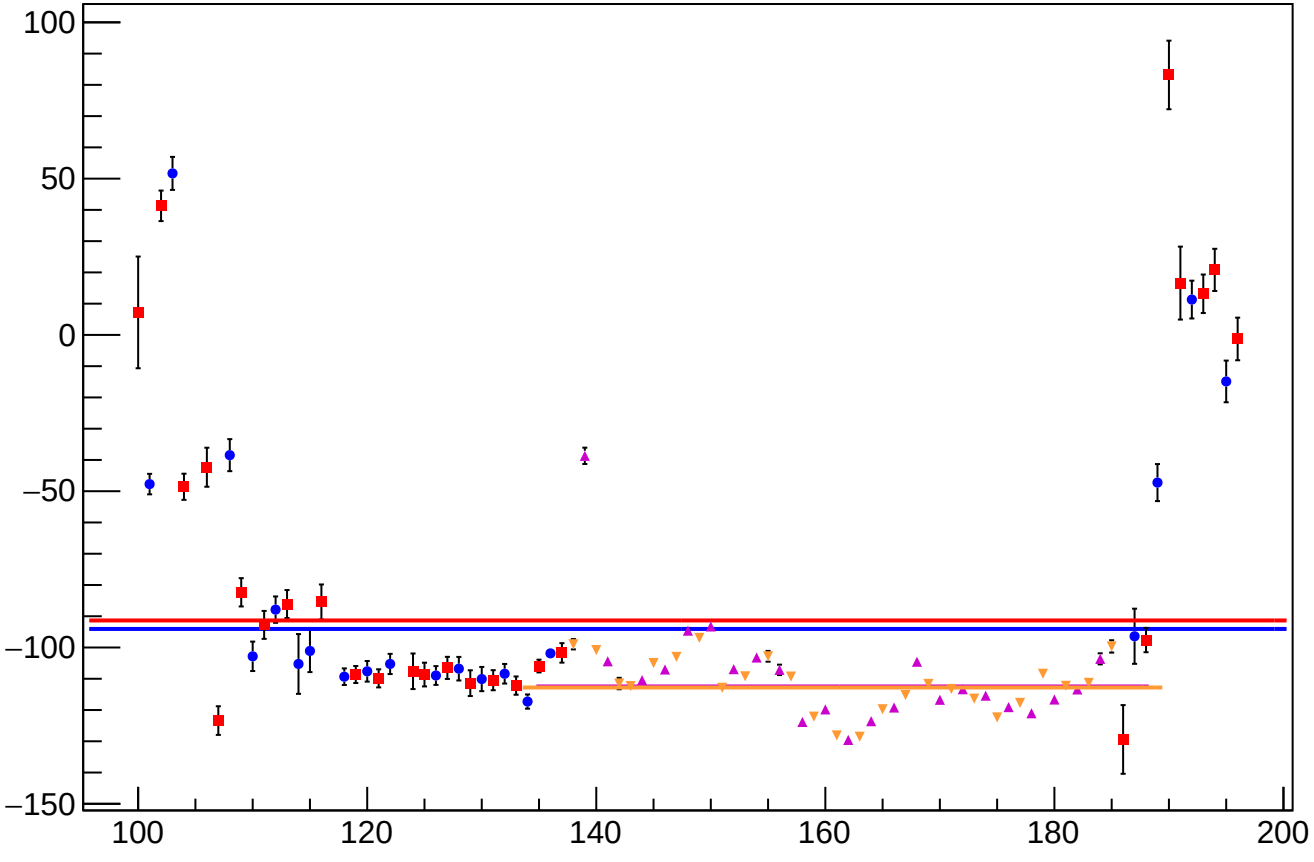
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.143+/-0.283 χ^2/NDF: 2458.9/44

All: -99.603+/-0.202 χ^2/NDF: 5099.2/93

- sign -100.085+/-0.289 χ^2/NDF: 2634.9/48

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -94.062+/-0.771 χ^2/NDF: 1860.4/19

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -91.346+/-0.799 χ^2/NDF: 2381.9/25

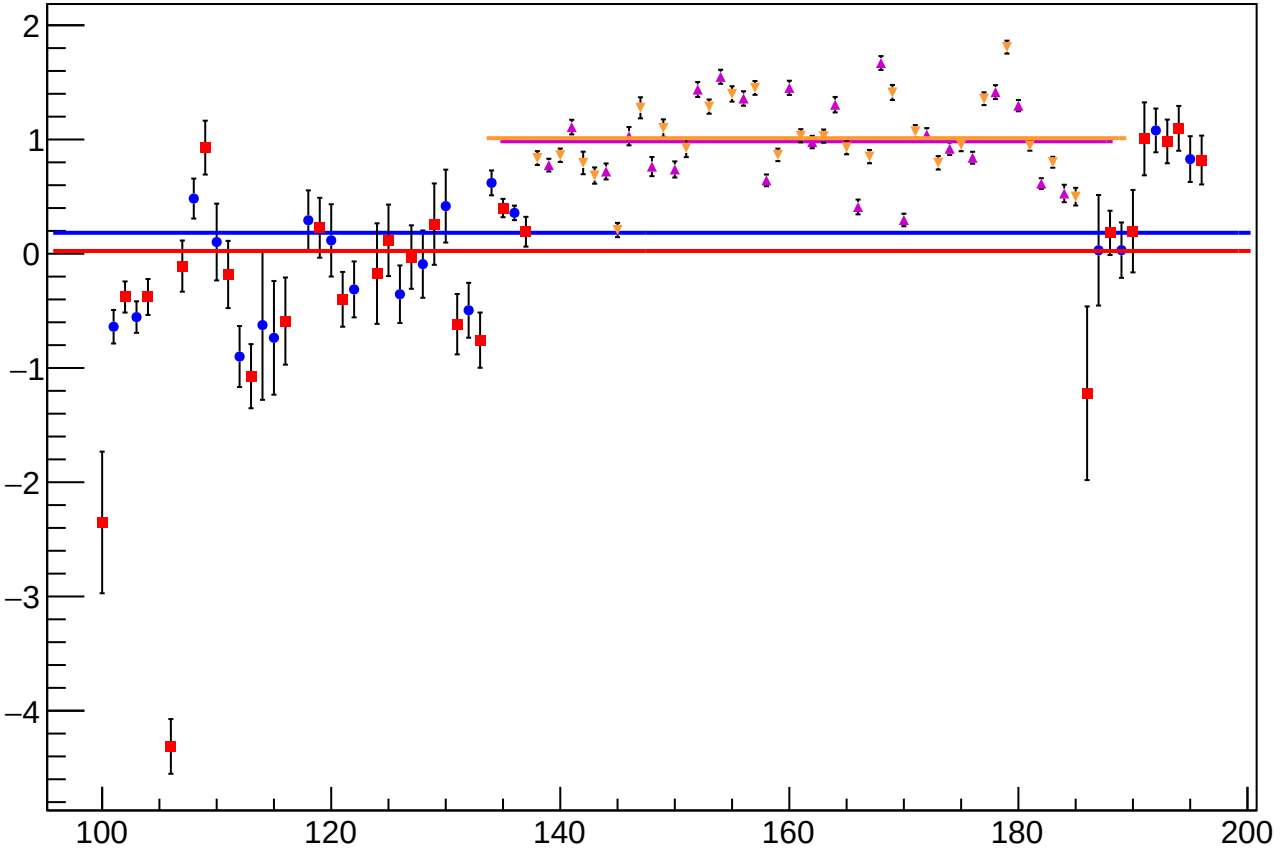
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.694+/-0.258 χ^2/NDF: 3320.7/44

All: -110.400+/-0.186 χ^2/NDF: 8114.2/93

- sign -110.082+/-0.268 χ^2/NDF: 4790.9/48

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.184+/-0.039 χ^2/NDF: 159.0/19

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.024+/-0.040 χ^2/NDF: 517.3/25

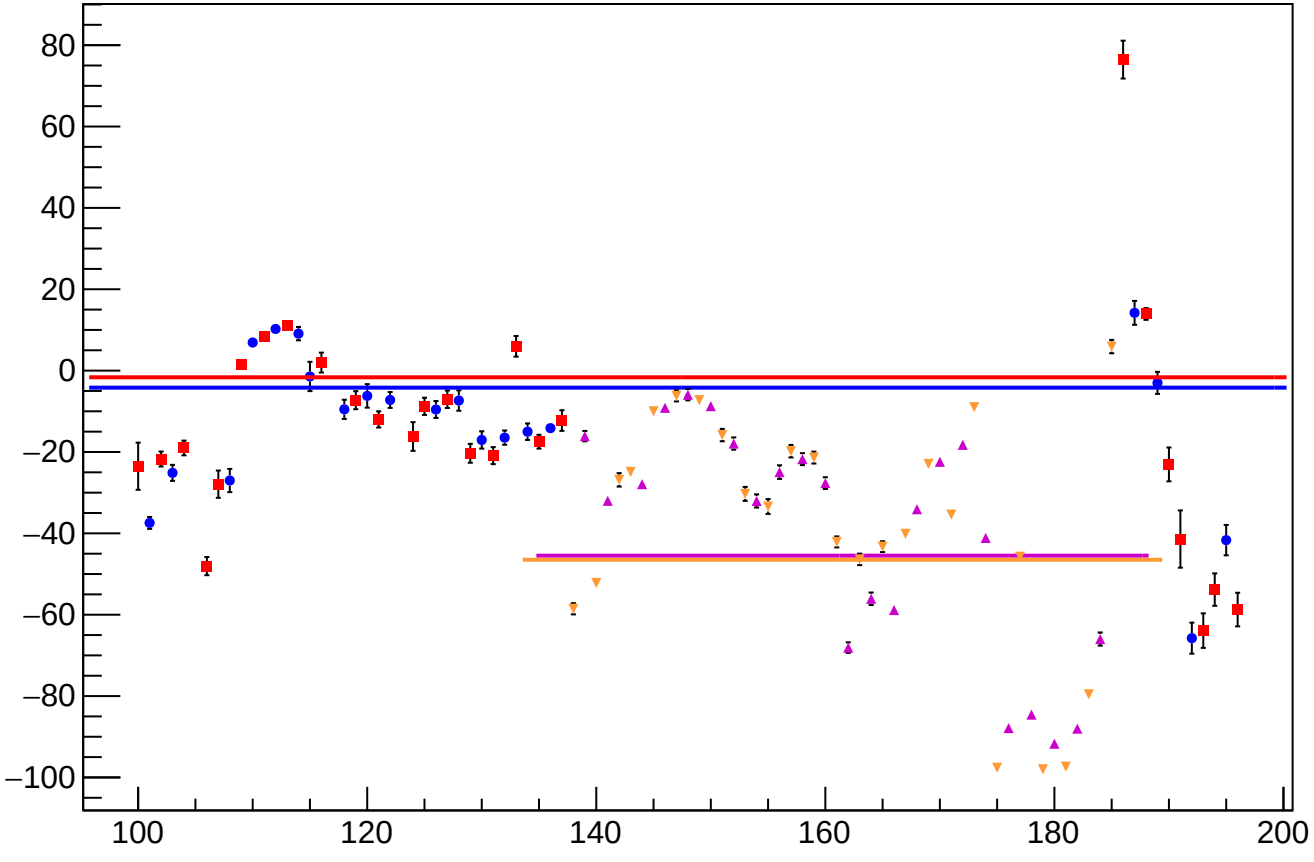
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1263.2/44

All: 0.919+/-0.008 χ^2/NDF: 3204.2/93

- sign 0.899+/-0.012 χ^2/NDF: 1935.9/48

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -4.183+/-0.367 χ^2/NDF: 1932.4/19

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.640+/-0.324 χ^2/NDF: 2558.3/25

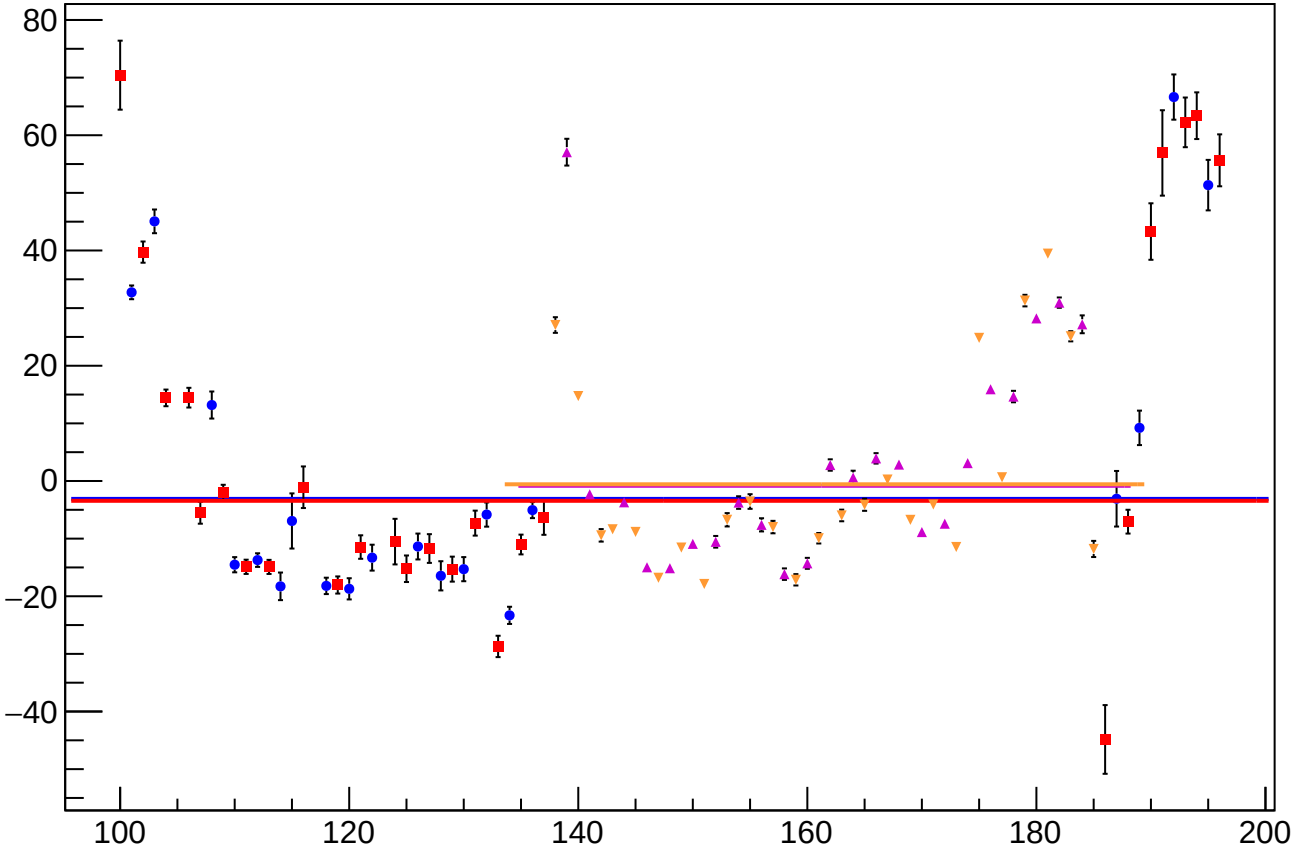
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.541+/-0.195 χ^2/NDF: 31531.3/44

All: -32.317+/-0.137 χ^2/NDF: 61808.3/93

- sign -30.165+/-0.192 χ^2/NDF: 30020.7/48

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -3.107+/-0.420 χ^2/NDF: 2649.2/19

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -3.435+/-0.405 χ^2/NDF: 2416.7/25

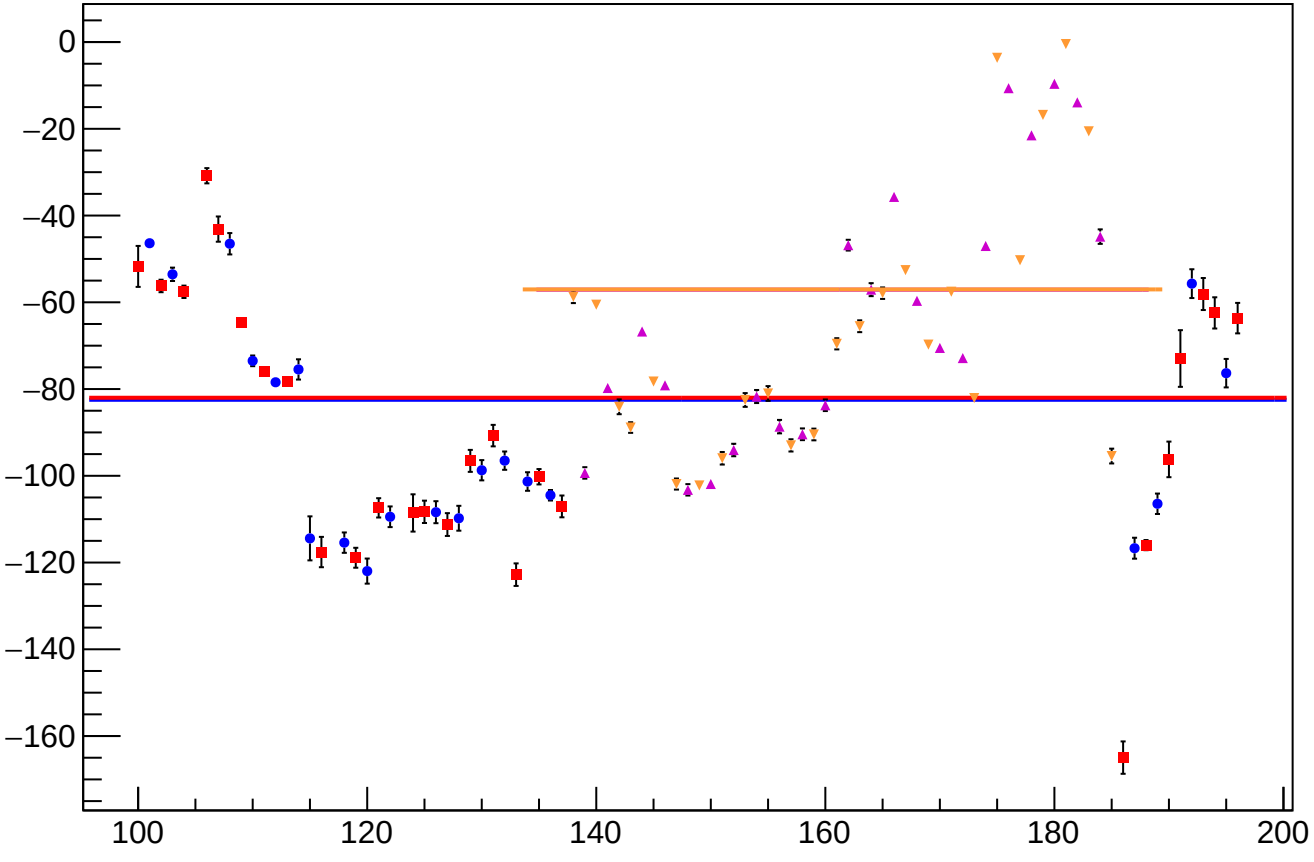
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.955+/-0.163 χ^2/NDF: 11131.5/44

All: -1.109+/-0.117 χ^2/NDF: 19701.0/93

- sign -1.270+/-0.167 χ^2/NDF: 8567.7/48

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.475+/-0.417 χ^2/NDF: 3253.5/19

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.006+/-0.381 χ^2/NDF: 4702.0/25

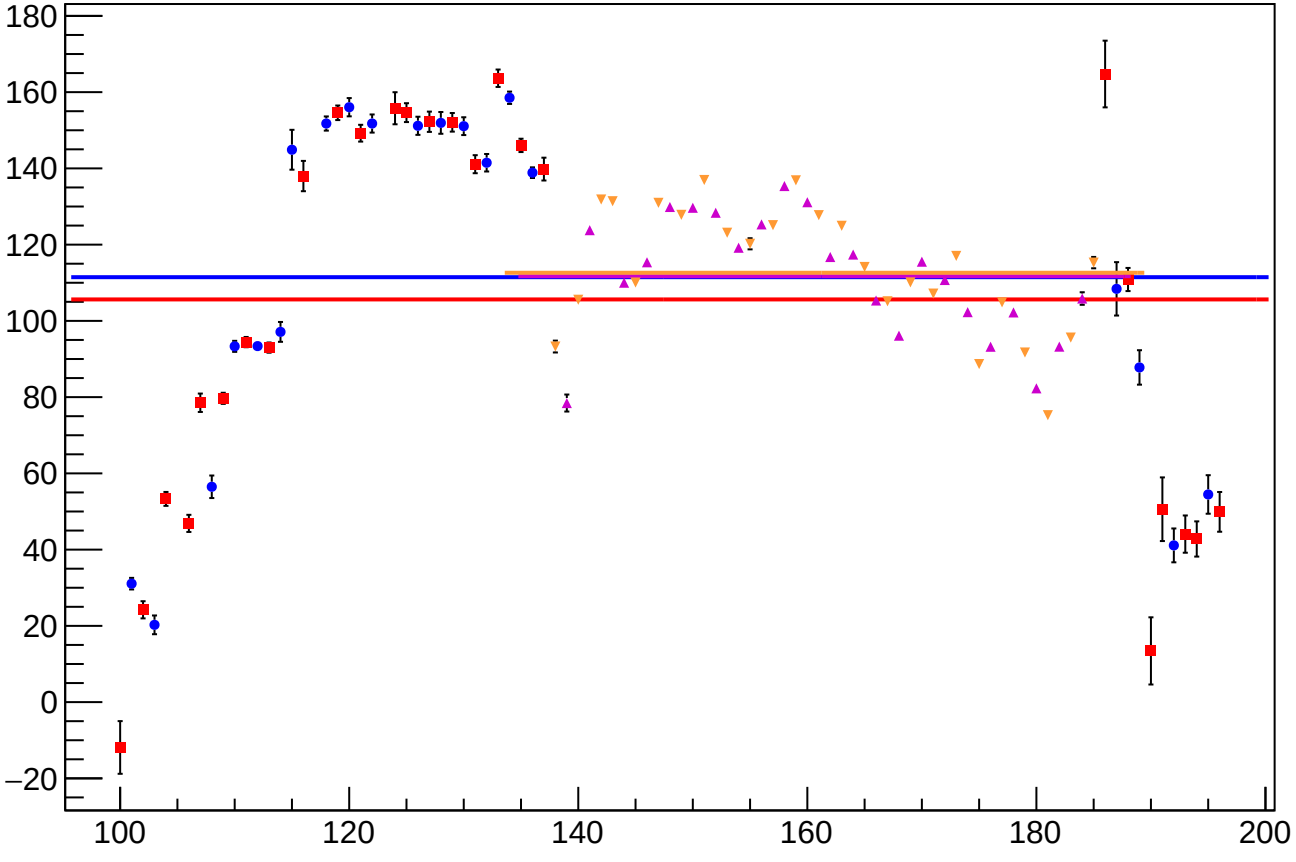
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.950+/-0.201 χ^2/NDF: 26414.1/44

All: -63.482+/-0.142 χ^2/NDF: 51378.3/93

- sign -64.012+/-0.201 χ^2/NDF: 24950.3/48

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.464+/-0.480 χ^2/NDF: 8621.8/19

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.628+/-0.465 χ^2/NDF: 8219.1/25

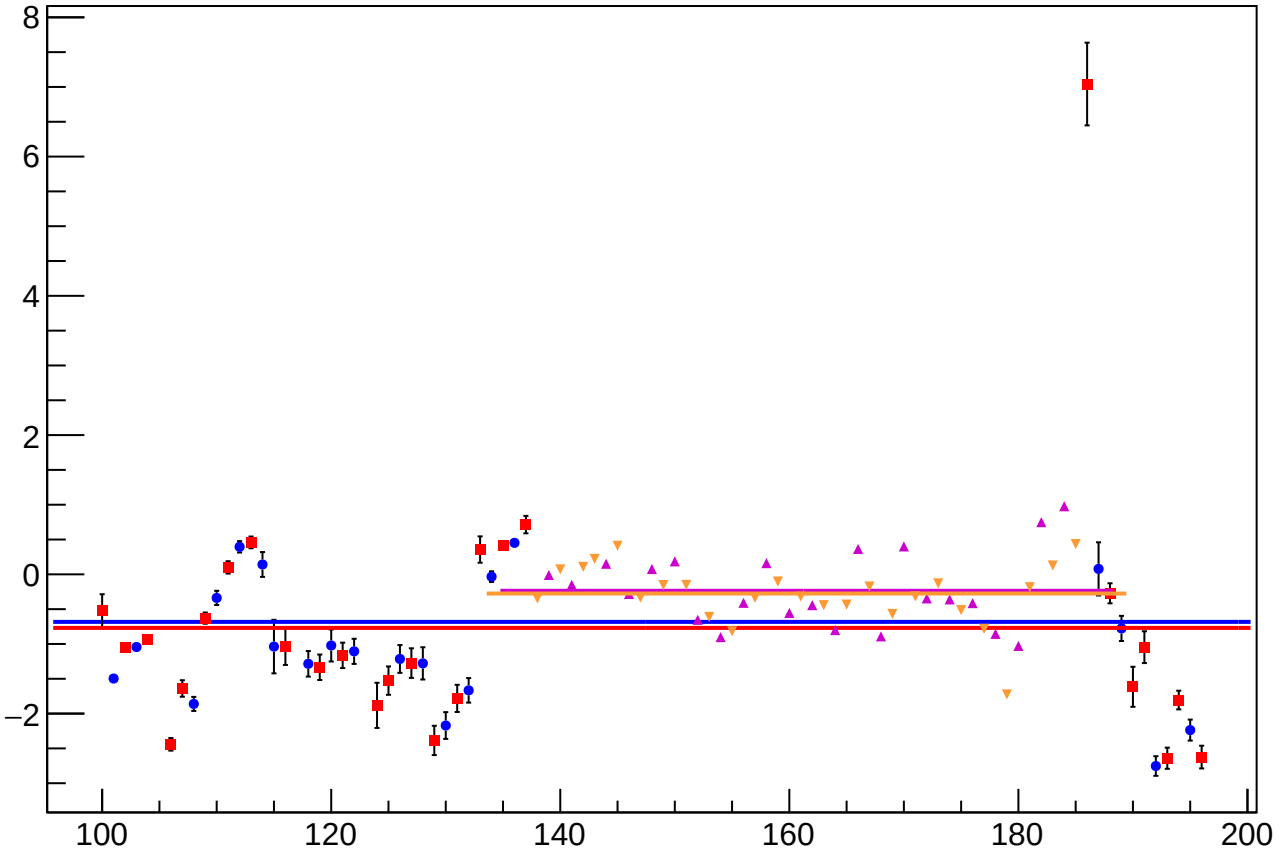
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.453+/-0.185 χ^2/NDF: 15334.8/44

All: 111.604+/-0.132 χ^2/NDF: 28637.4/93

- sign 110.720+/-0.188 χ^2/NDF: 13259.4/48

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.683+/-0.025 χ^2/NDF: 1444.1/19

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.769+/-0.024 χ^2/NDF: 1870.7/25

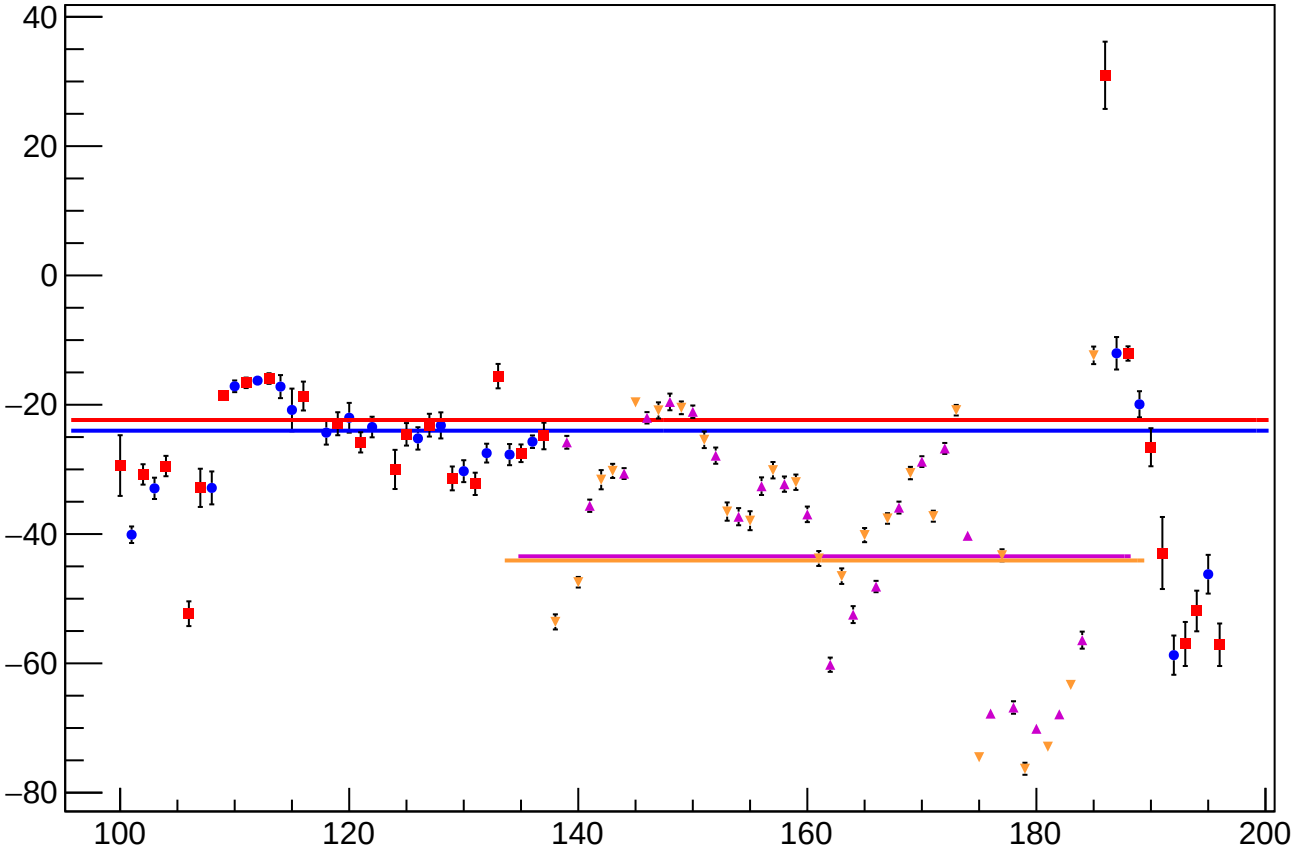
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.323+/-0.008 χ^2/NDF: 3805.7/44

All: -0.315+/-0.006 χ^2/NDF: 9081.6/93

- sign -0.306+/-0.009 χ^2/NDF: 5273.9/48

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -24.012+/-0.336 χ^2/NDF: 620.3/19

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.359+/-0.302 χ^2/NDF: 1061.6/25

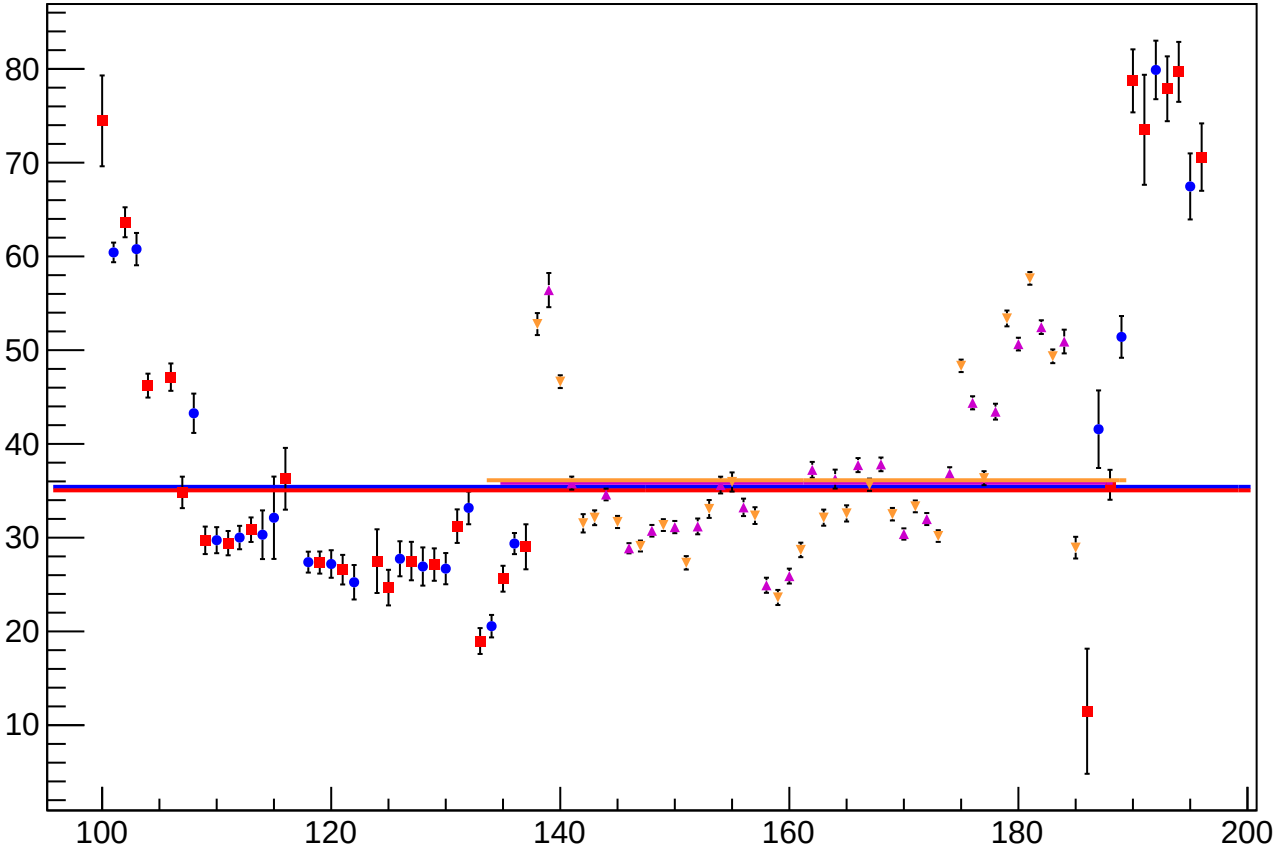
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.102+/-0.167 χ^2/NDF: 13646.4/44

All: -38.087+/-0.118 χ^2/NDF: 25996.3/93

\- sign -37.086+/-0.166 χ^2/NDF: 12276.8/48

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.421+/-0.364 χ^2/NDF: 1540.2/19

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.047+/-0.354 χ^2/NDF: 1578.4/25

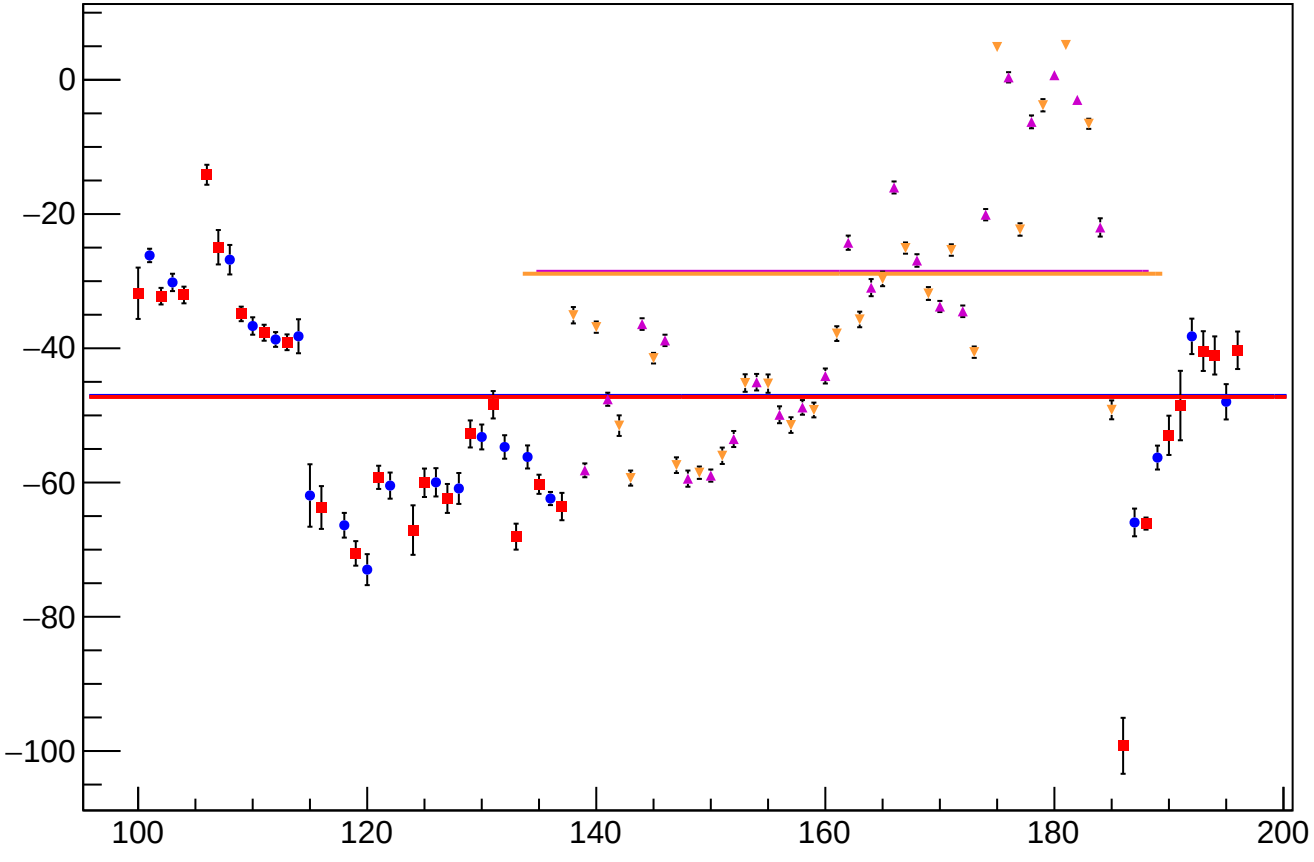
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.021+/-0.139 χ^2/NDF: 5101.9/44

All: 35.875+/-0.099 χ^2/NDF: 8980.4/93

- sign 35.722+/-0.142 χ^2/NDF: 3876.2/48

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -47.097+/-0.367 χ^2/NDF: 1616.7/19

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.249+/-0.337 χ^2/NDF: 2365.3/25

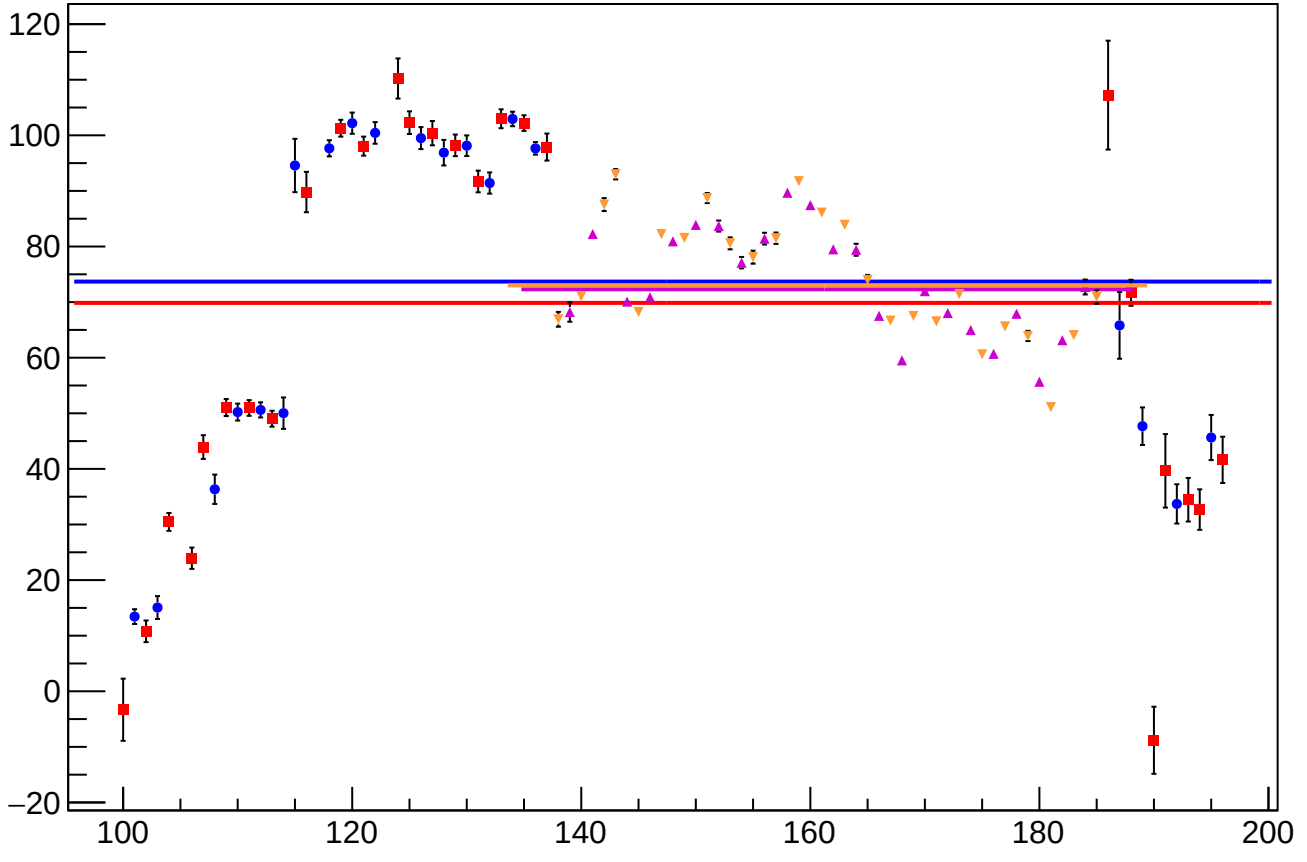
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.825+/-0.171 χ^2/NDF: 15342.5/44

All: -33.102+/-0.121 χ^2/NDF: 30003.8/93

- sign -33.379+/-0.171 χ^2/NDF: 14656.0/48

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 73.690+/-0.418 χ^2/NDF: 6075.3/19

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.863+/-0.410 χ^2/NDF: 6080.2/25

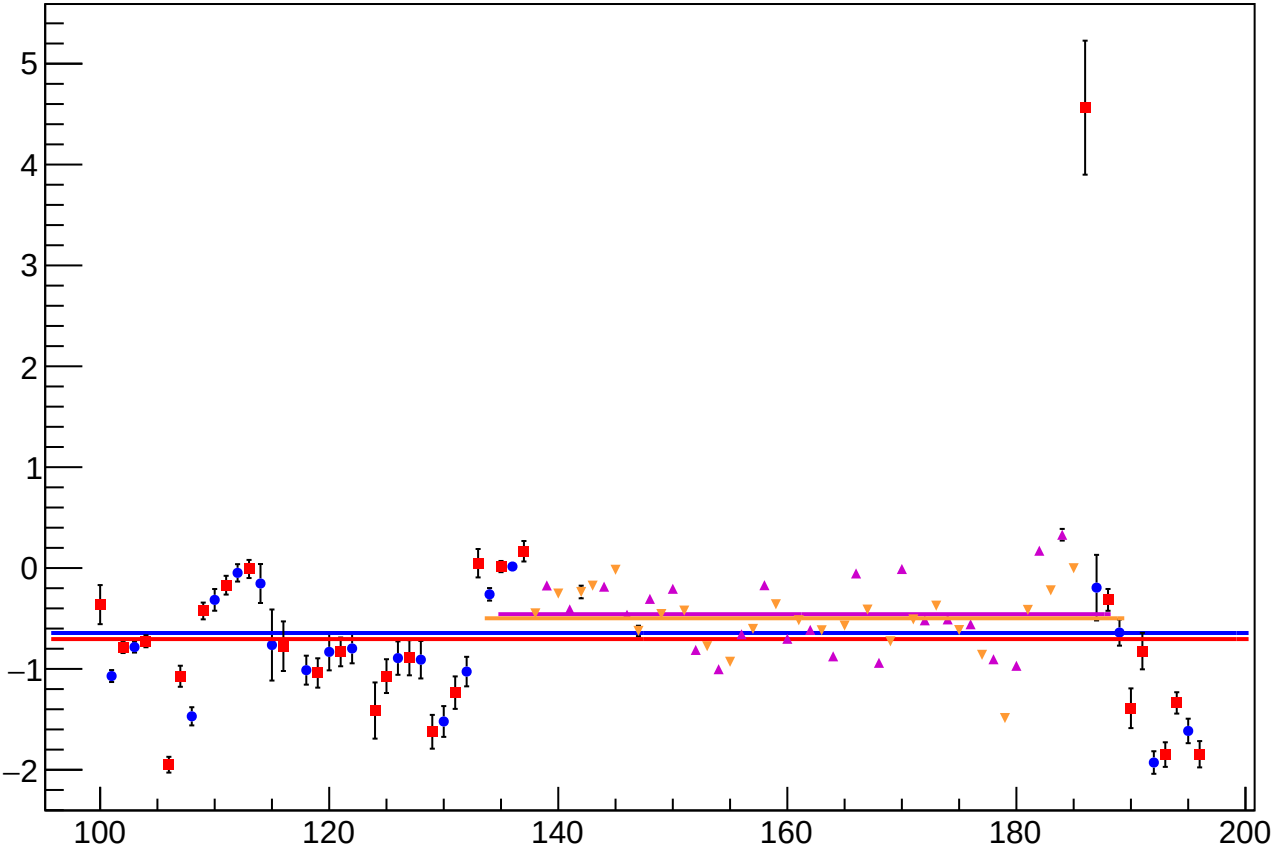
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.098+/-0.156 χ^2/NDF: 10130.0/44

All: 72.528+/-0.112 χ^2/NDF: 19180.2/93

- sign 71.932+/-0.160 χ^2/NDF: 9022.9/48

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.644+/-0.021 χ^2/NDF: 704.2/19

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.704+/-0.020 χ^2/NDF: 994.4/25

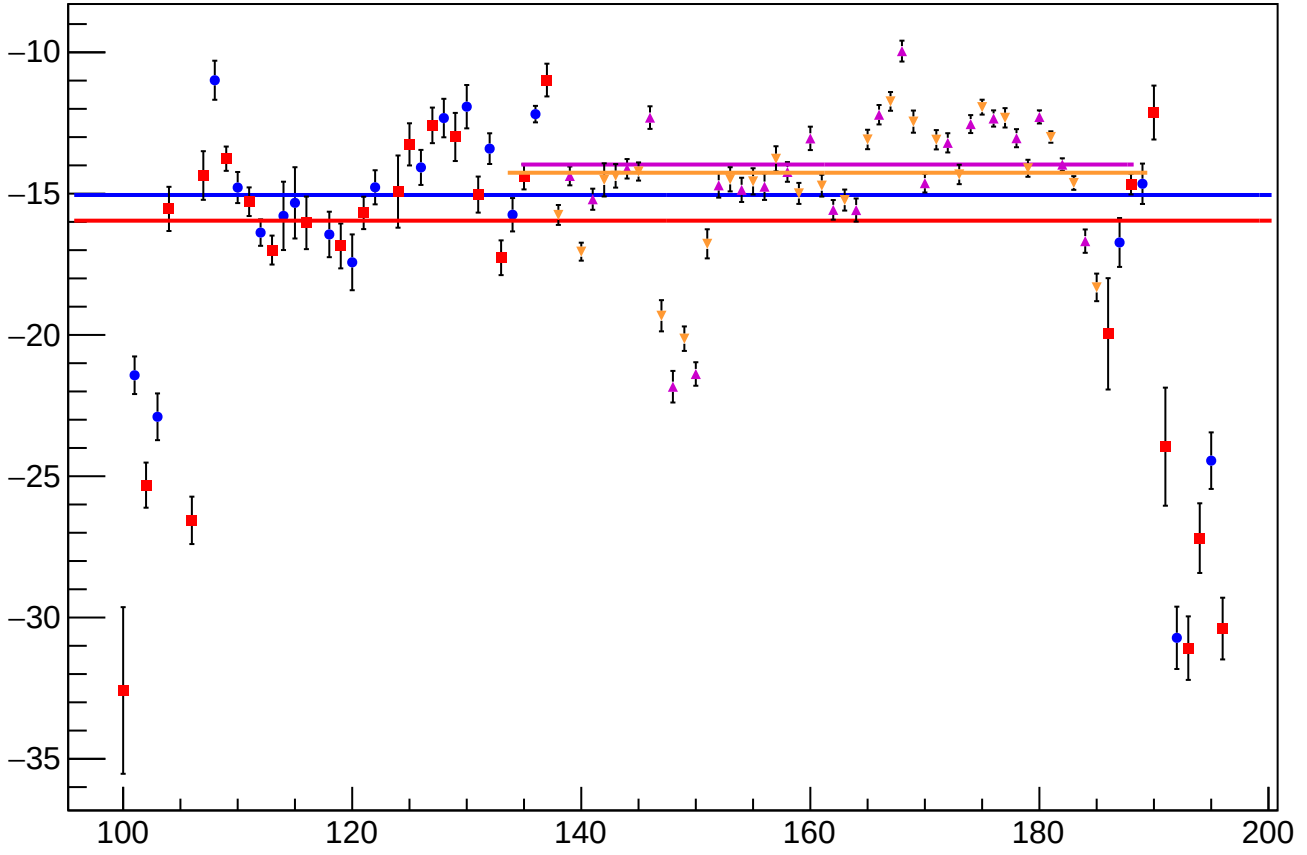
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.515+/-0.007 χ^2/NDF: 2229.4/44

All: -0.501+/-0.005 χ^2/NDF: 5461.3/93

- sign -0.488+/-0.007 χ^2/NDF: 3225.0/48

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.048+/-0.142 χ^2/NDF: 670.1/19

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 -14.414+/-0.063 χ^2/NDF: 1419.0/44

All: -14.414+/-0.045 χ^2/NDF: 3496.9/93

- sign -14.414+/-0.063 χ^2/NDF: 2077.9/48

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug

Right In: -34.760+/-0.147 χ^2/NDF: 1858.4/19

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.793+/-0.143 χ^2/NDF: 2195.4/25

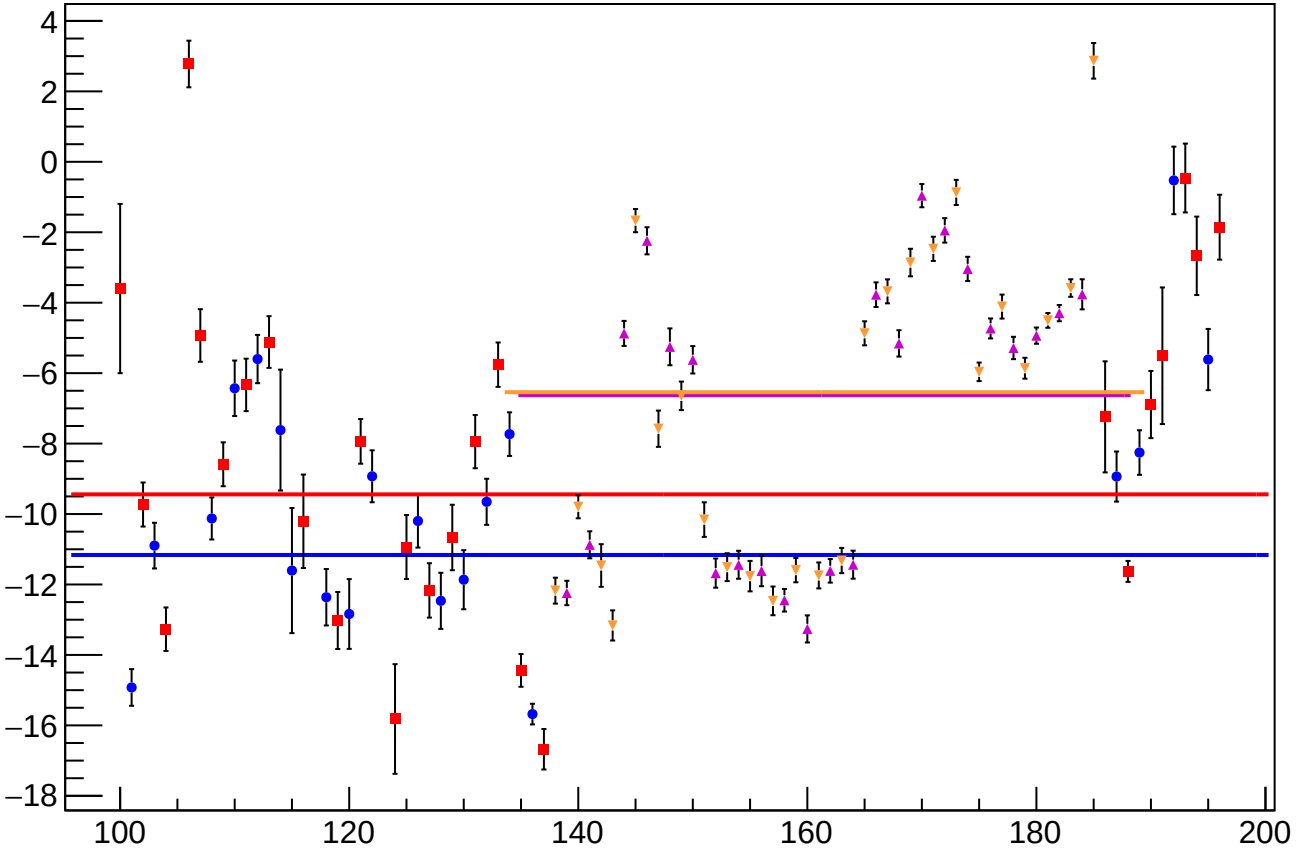
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.727+/-0.052 χ^2/NDF: 2895.4/44

All: -31.812+/-0.037 χ^2/NDF: 6786.6/93

- sign -31.901+/-0.053 χ^2/NDF: 3885.7/48

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.162+/-0.148 χ^2/NDF: 648.6/19

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.441+/-0.138 χ^2/NDF: 1104.0/25

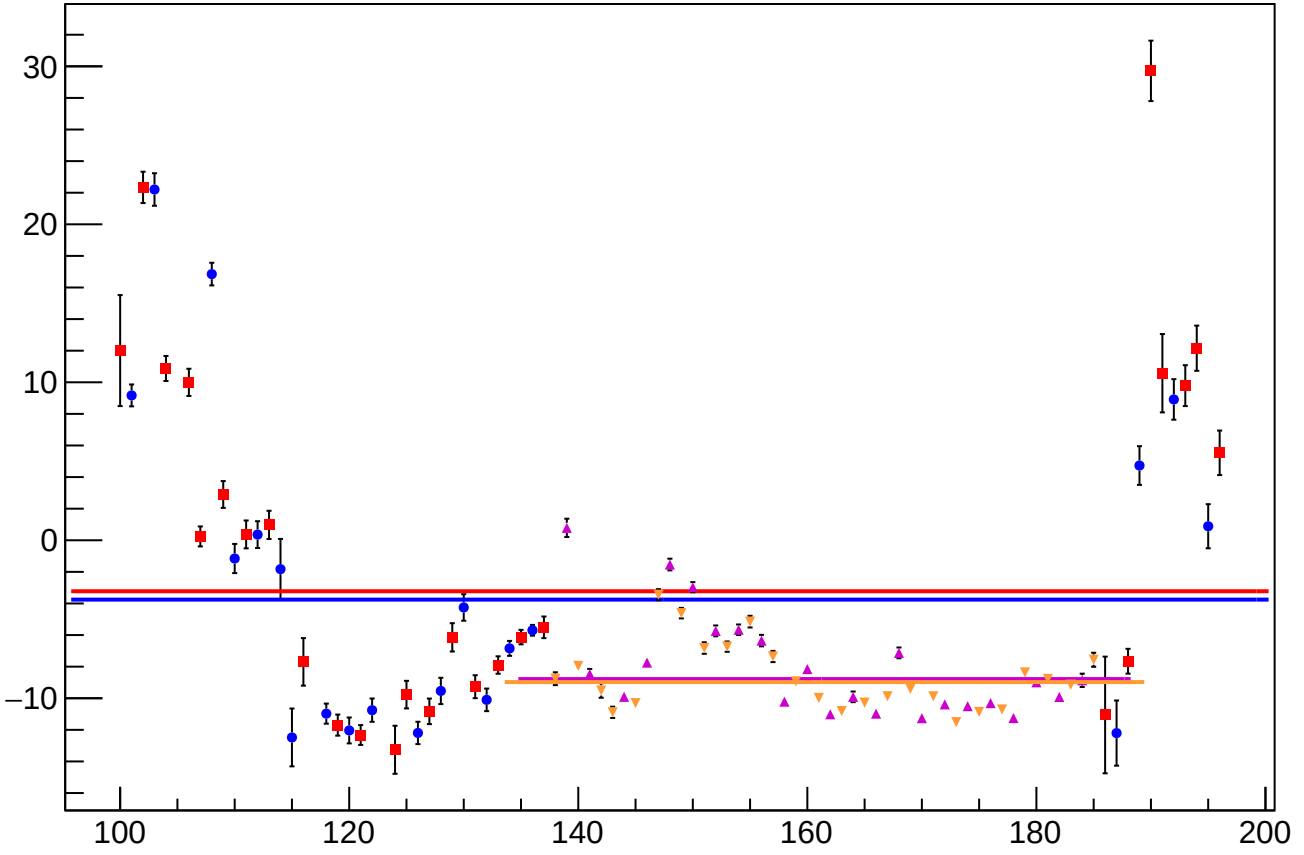
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

\+ sign -7.379+/-0.063 χ^2/NDF: 4693.6/44

All: -7.301+/-0.045 χ^2/NDF: 9038.4/93

\- sign -7.223+/-0.063 χ^2/NDF: 4341.7/48

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.756+/-0.167 χ^2/NDF: 2704.0/19

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.227+/-0.167 χ^2/NDF: 2746.5/25

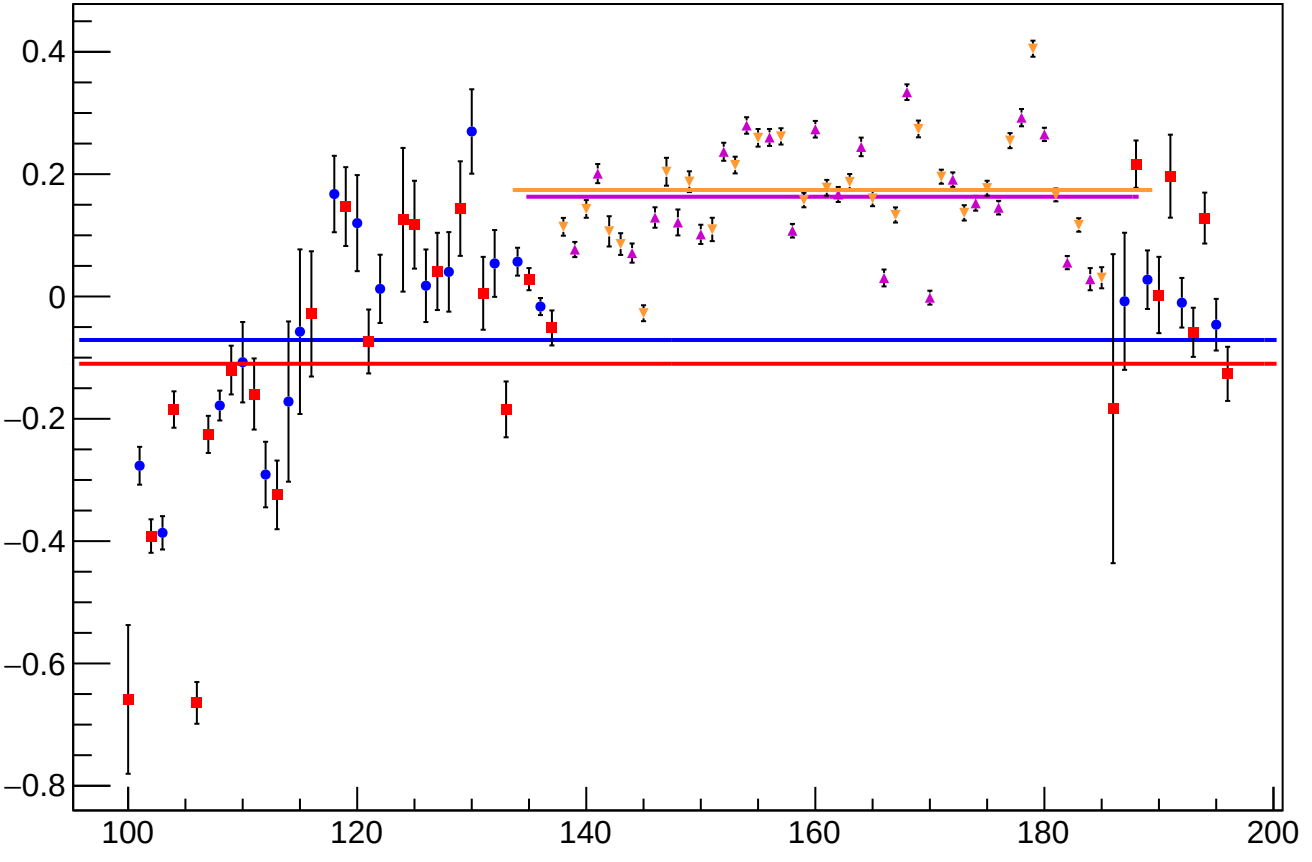
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.355+/-0.058 χ^2/NDF: 4536.8/44

All: -8.222+/-0.041 χ^2/NDF: 9950.3/93

- sign -8.083+/-0.059 χ^2/NDF: 5402.8/48

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.071+/-0.008 χ^2/NDF: 326.6/19

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

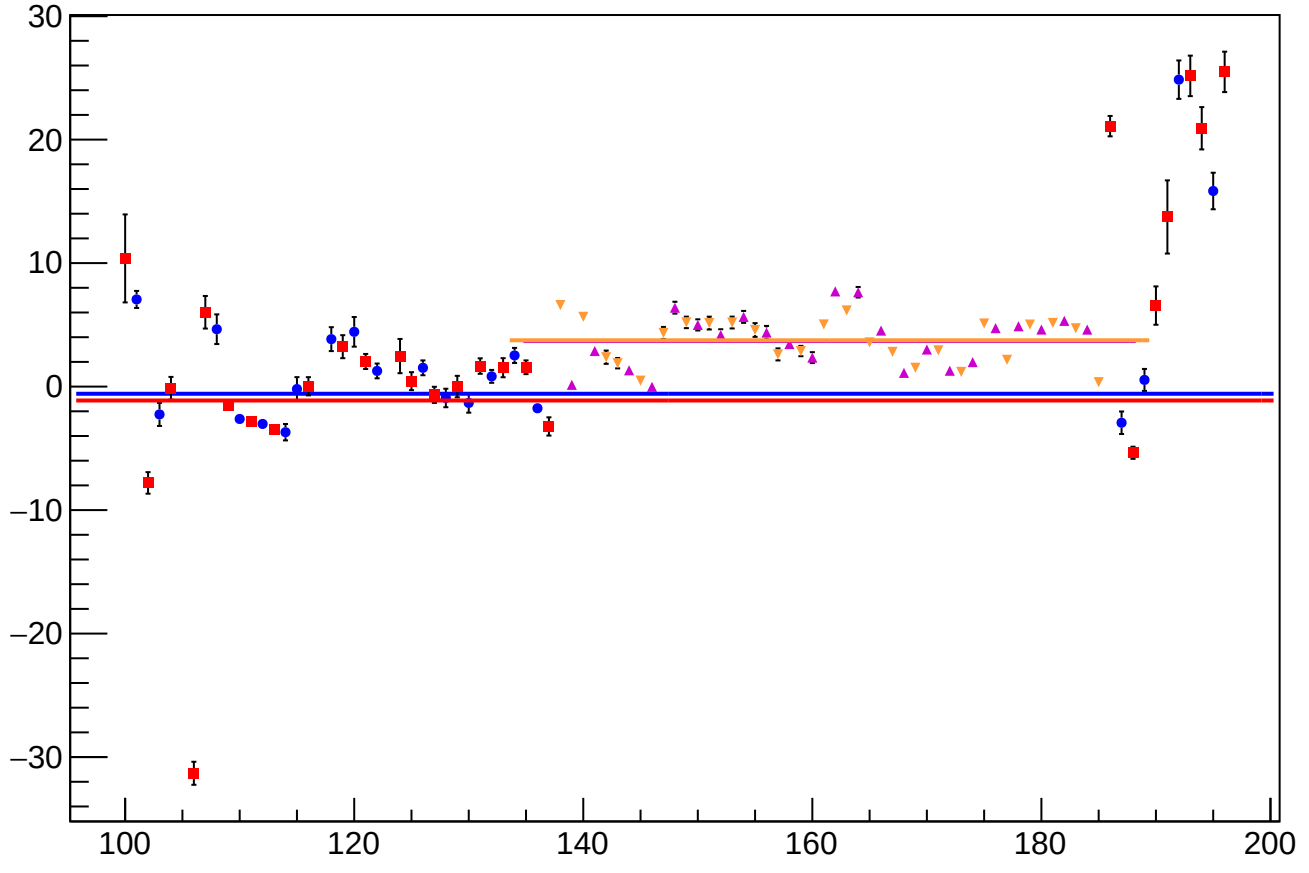
Right Out: -0.110+/-0.008 χ^2/NDF: 672.7/25

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2076.2/44

All: 0.142+/-0.002 χ^2/NDF: 4962.7/93

- sign 0.135+/-0.003 χ^2/NDF: 2871.4/48



Right In: -0.580+/-0.133 χ^2/NDF: 784.1/19

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.126+/-0.121 χ^2/NDF: 2903.5/25

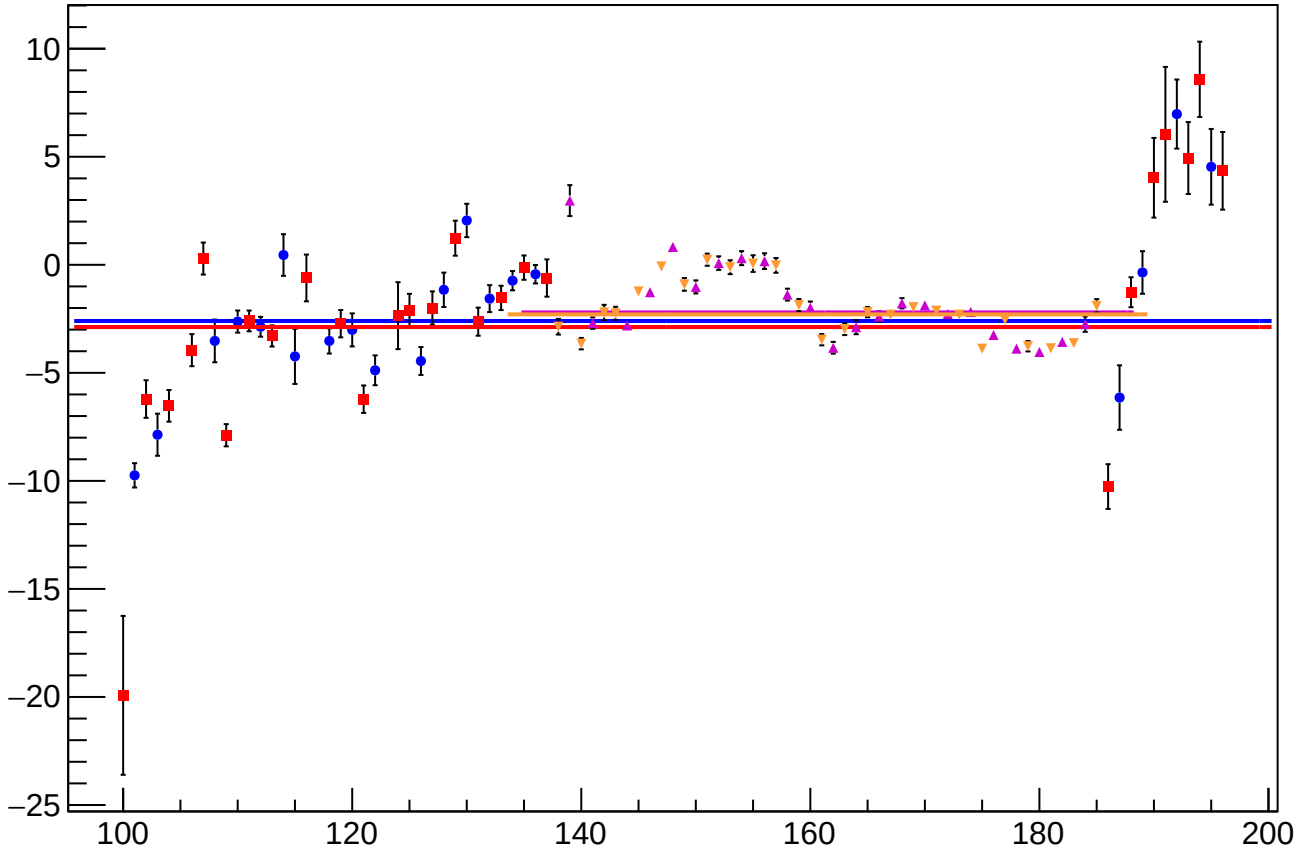
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.973+/-0.056 χ^2/NDF: 2469.6/44

All: 2.809+/-0.040 χ^2/NDF: 7575.8/93

- sign 2.643+/-0.057 χ^2/NDF: 5089.0/48

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.600+/-0.152 χ^2/NDF: 374.5/19

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.881+/-0.150 χ^2/NDF: 434.2/25

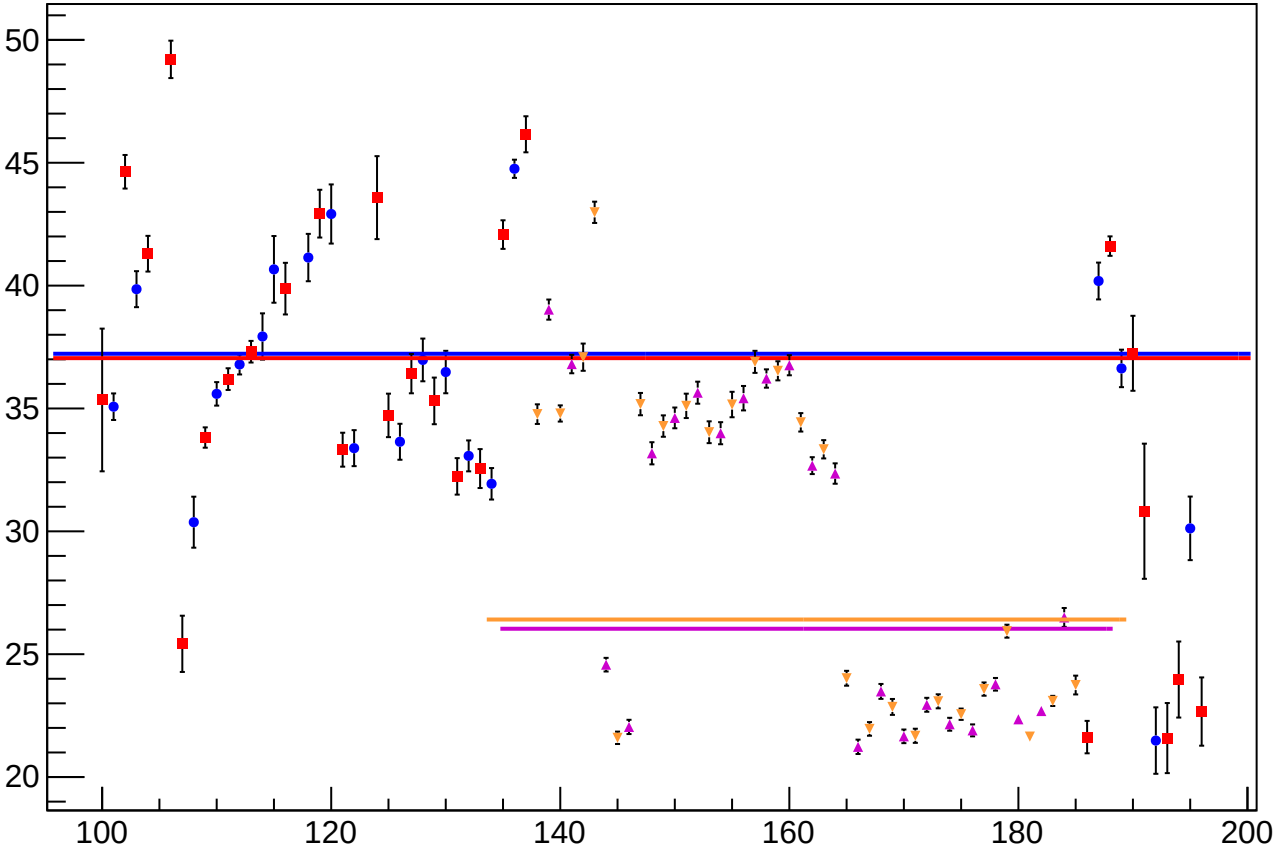
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.324+/-0.047 χ^2/NDF: 1009.6/44

All: -2.299+/-0.034 χ^2/NDF: 2187.4/93

- sign -2.274+/-0.048 χ^2/NDF: 1177.3/48

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.227+/-0.152 χ^2/NDF: 890.8/19

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.048+/-0.141 χ^2/NDF: 1963.1/25

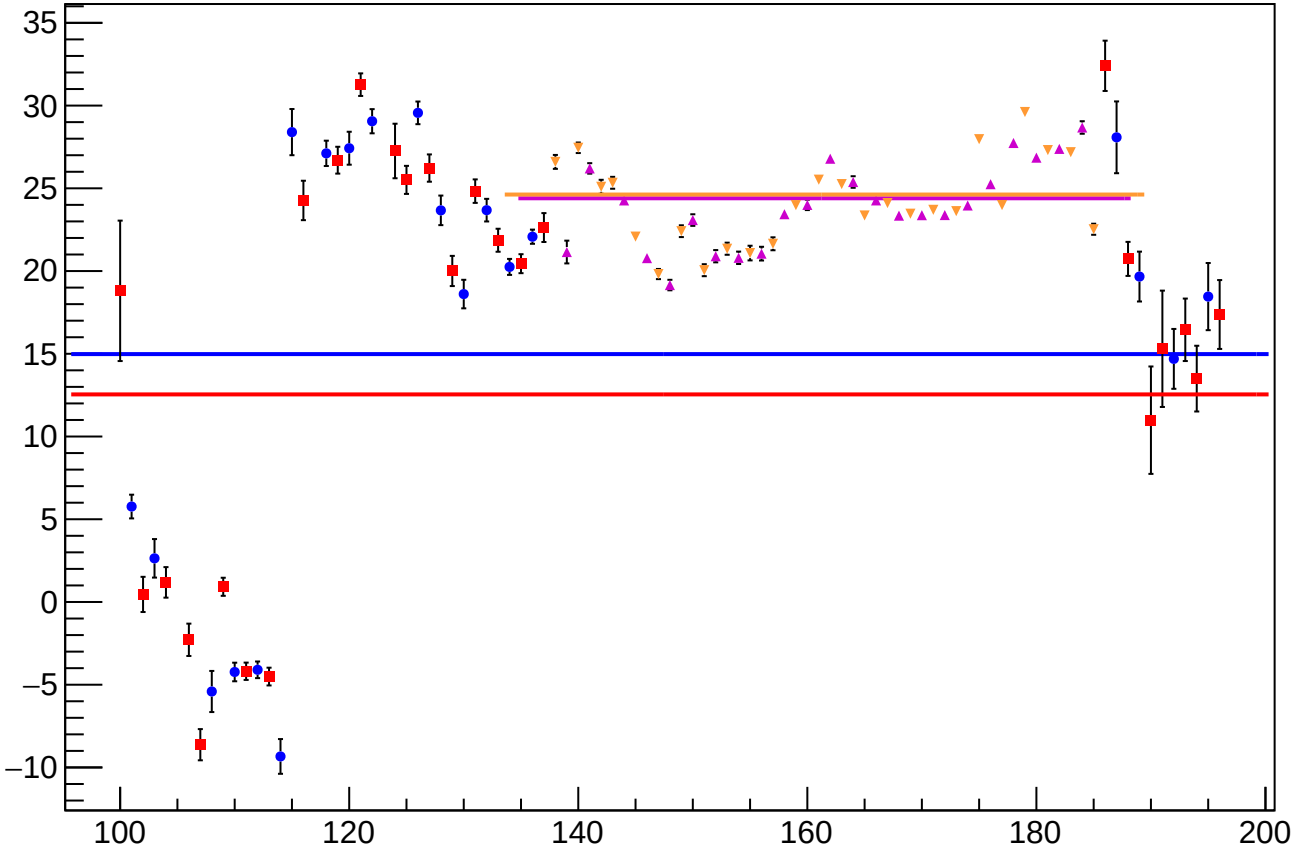
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.968+/-0.058 χ^2/NDF: 14454.3/44

All: 27.935+/-0.041 χ^2/NDF: 29298.0/93

- sign 27.902+/-0.058 χ^2/NDF: 14843.1/48

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.981+/-0.171 χ^2/NDF: 5736.4/19

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.545+/-0.171 χ^2/NDF: 6361.4/25

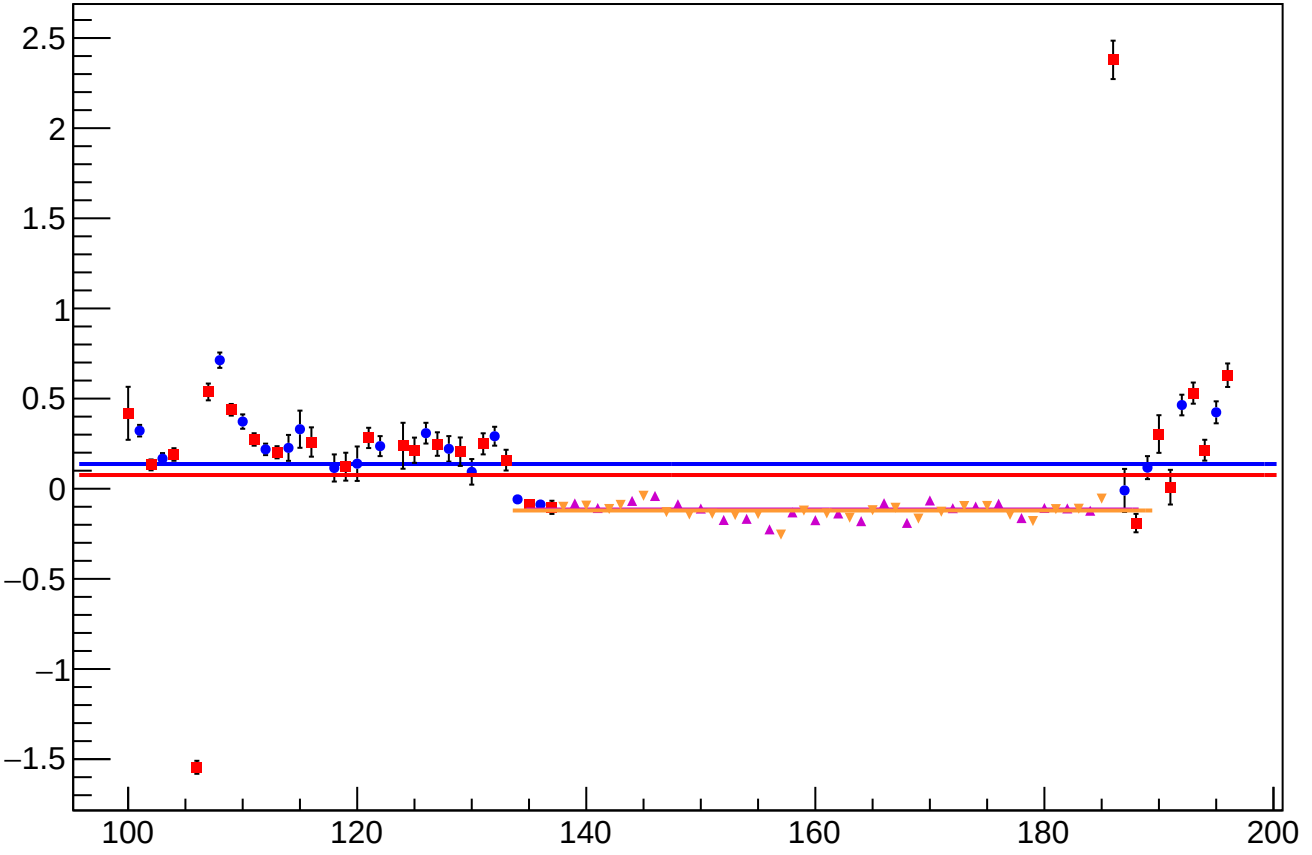
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.713+/-0.053 χ^2/NDF: 10573.2/44

All: 23.476+/-0.038 χ^2/NDF: 23035.7/93

- sign 23.229+/-0.054 χ^2/NDF: 12420.9/48

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.009 χ^2/NDF: 578.7/19

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

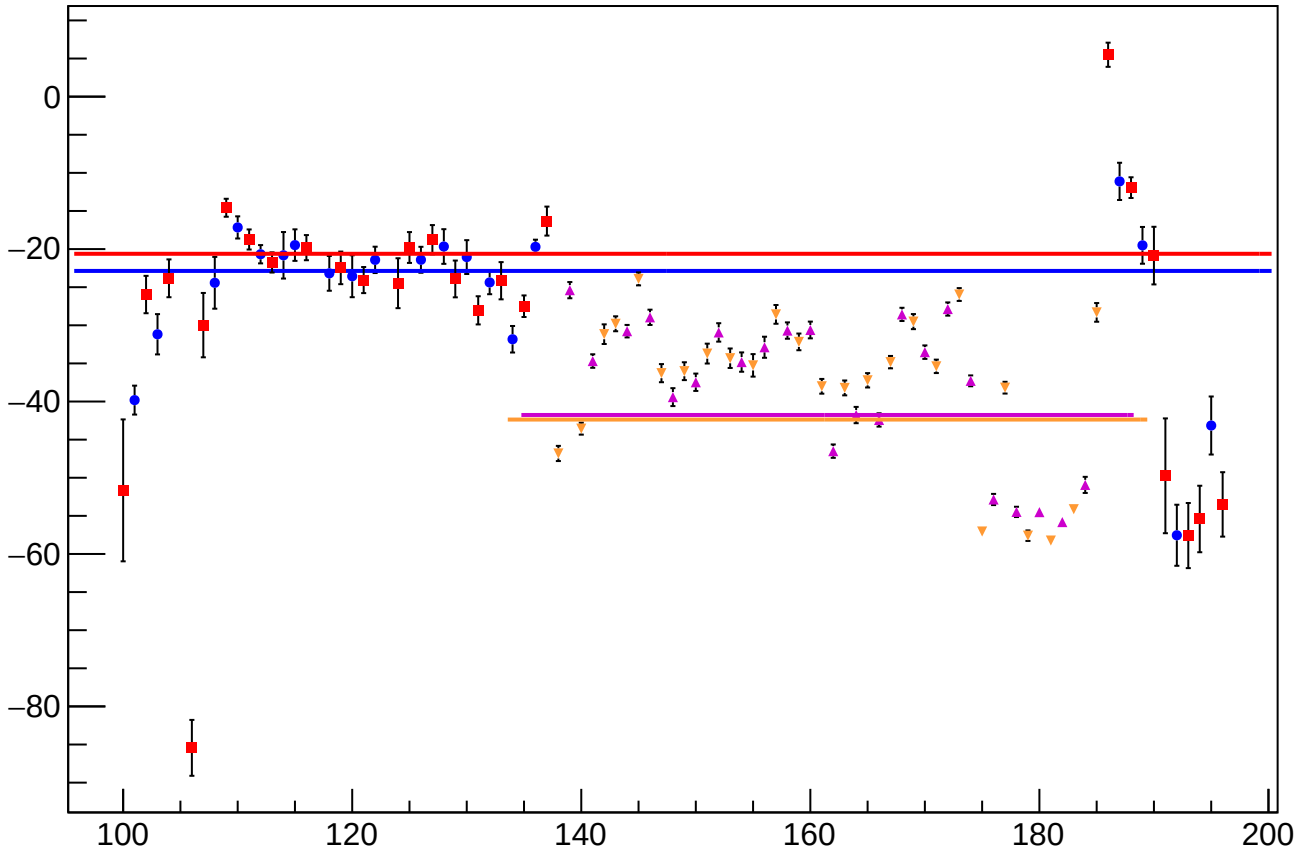
Right Out: 0.076+/-0.009 χ^2/NDF: 3068.8/25

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.103+/-0.002 χ^2/NDF: 1596.1/44

All: -0.103+/-0.002 χ^2/NDF: 5363.1/93

- sign -0.102+/-0.002 χ^2/NDF: 3766.9/48



Right In: -22.866+/-0.416 χ^2/NDF: 283.0/19

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.617+/-0.393 χ^2/NDF: 946.4/25

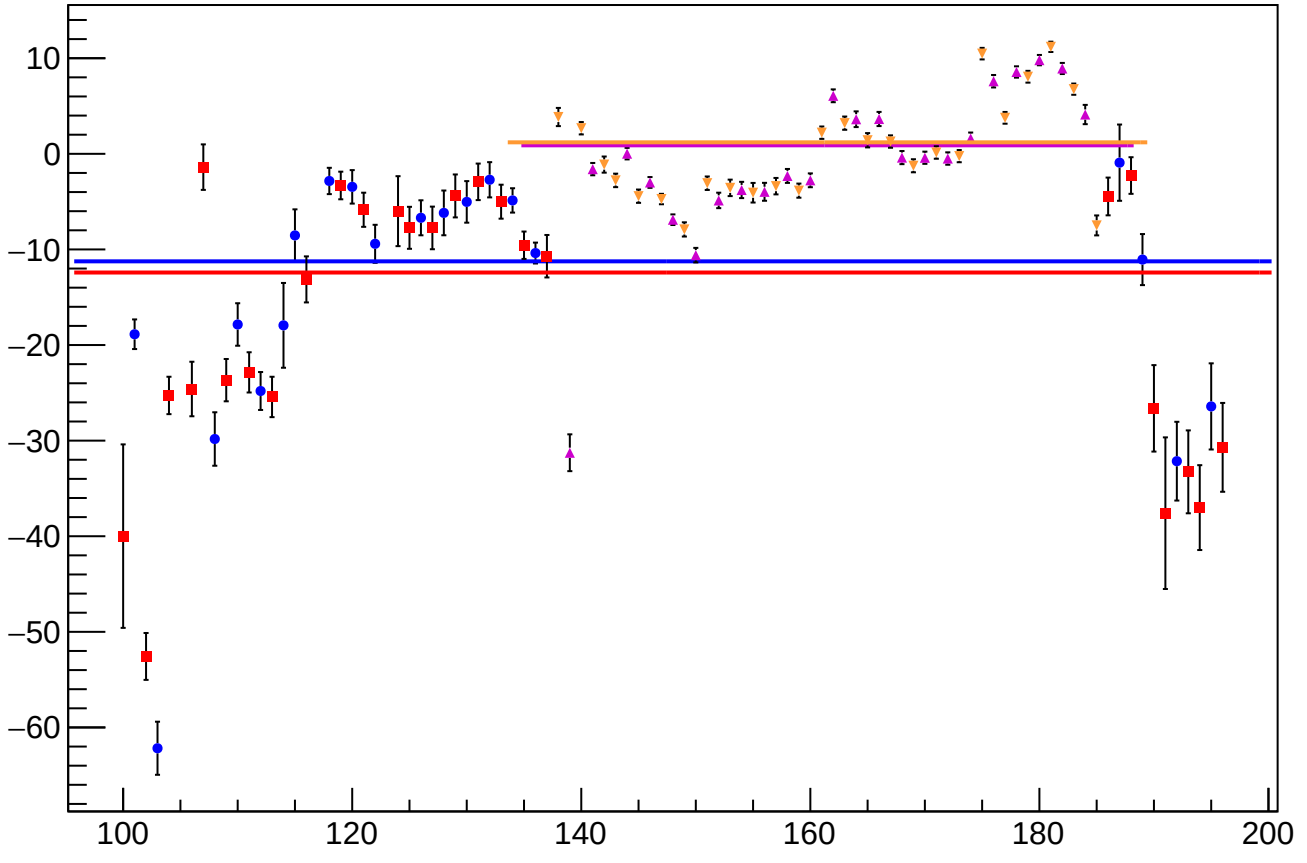
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.433+/-0.161 χ^2/NDF: 6623.2/44

All: -38.752+/-0.115 χ^2/NDF: 13449.2/93

- sign -38.041+/-0.165 χ^2/NDF: 6789.6/48

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.246+/-0.439 χ^2/NDF: 631.4/19

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.416+/-0.444 χ^2/NDF: 705.9/25

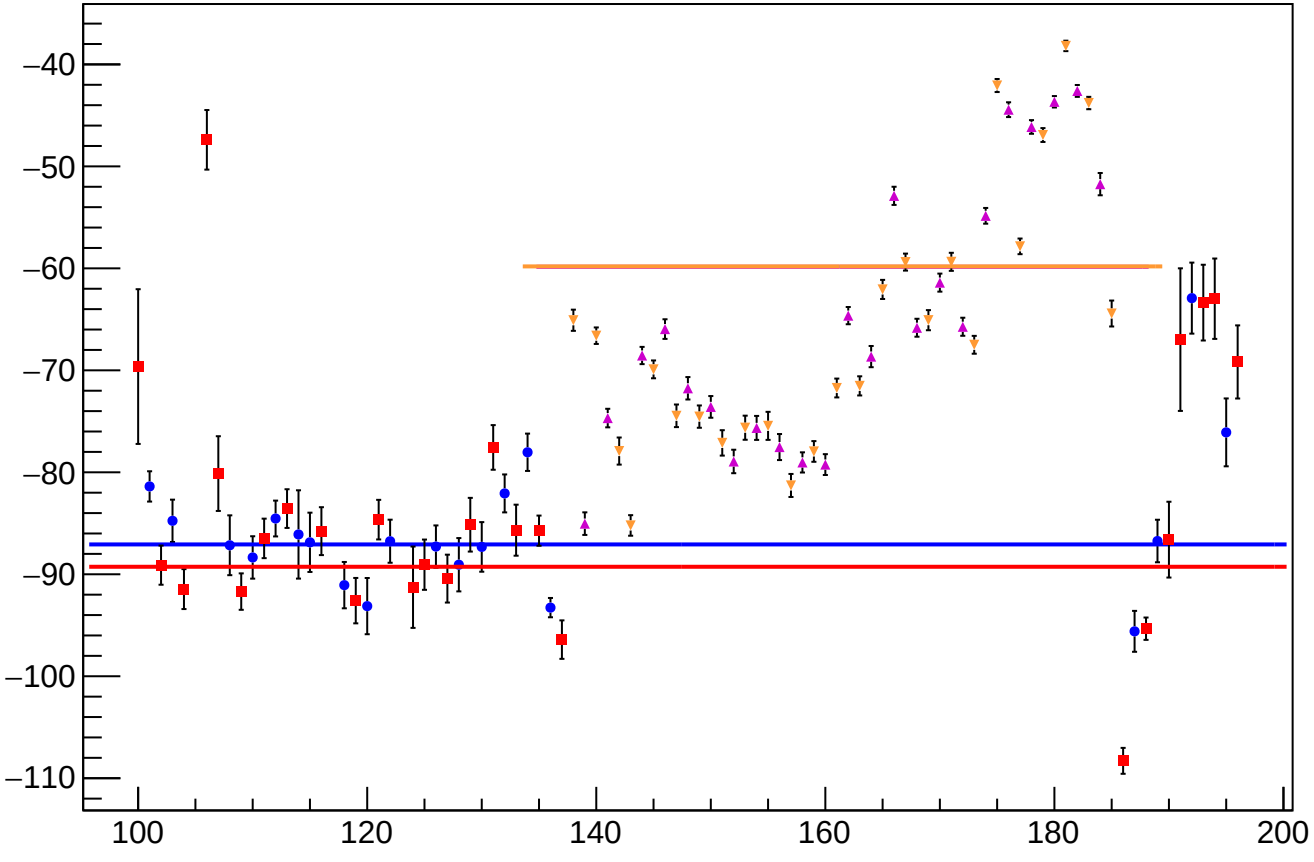
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.084+/-0.132 χ^2/NDF: 2825.3/44

All: -0.130+/-0.095 χ^2/NDF: 6112.8/93

- sign -0.358+/-0.136 χ^2/NDF: 3282.1/48

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.073+/-0.448 χ^2/NDF: 178.5/19

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -89.264+/-0.420 χ^2/NDF: 686.4/25

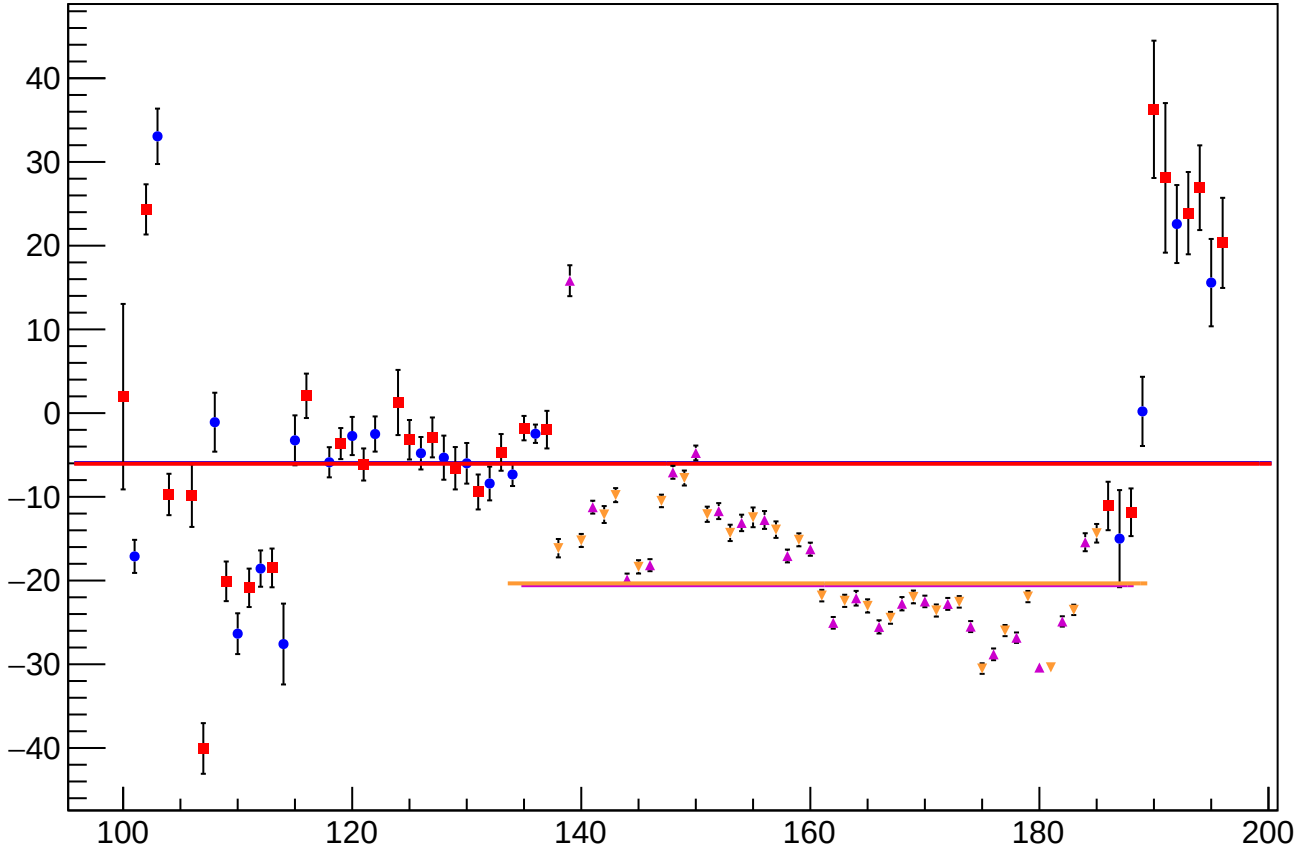
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.428+/-0.163 χ^2/NDF: 10034.4/44

All: -63.932+/-0.116 χ^2/NDF: 20410.4/93

- sign -64.455+/-0.166 χ^2/NDF: 10356.5/48

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.968+/-0.497 χ^2/NDF: 374.5/19

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -6.047+/-0.513 χ^2/NDF: 523.3/25

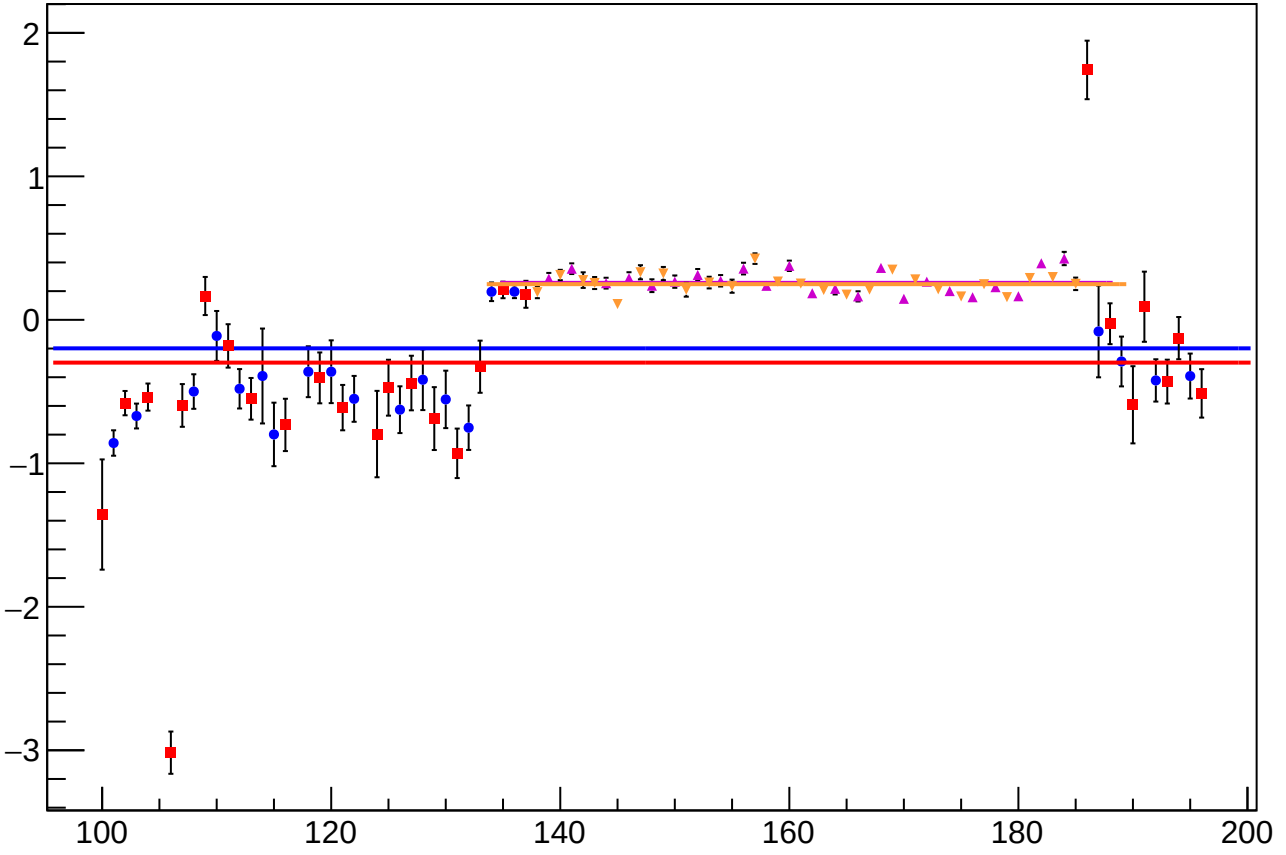
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.071+/-0.148 χ^2/NDF: 2837.8/44

All: -19.171+/-0.106 χ^2/NDF: 6283.9/93

- sign -19.277+/-0.152 χ^2/NDF: 3445.1/48

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.199+/-0.026 χ^2/NDF: 251.8/19

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.298+/-0.027 χ^2/NDF: 630.6/25

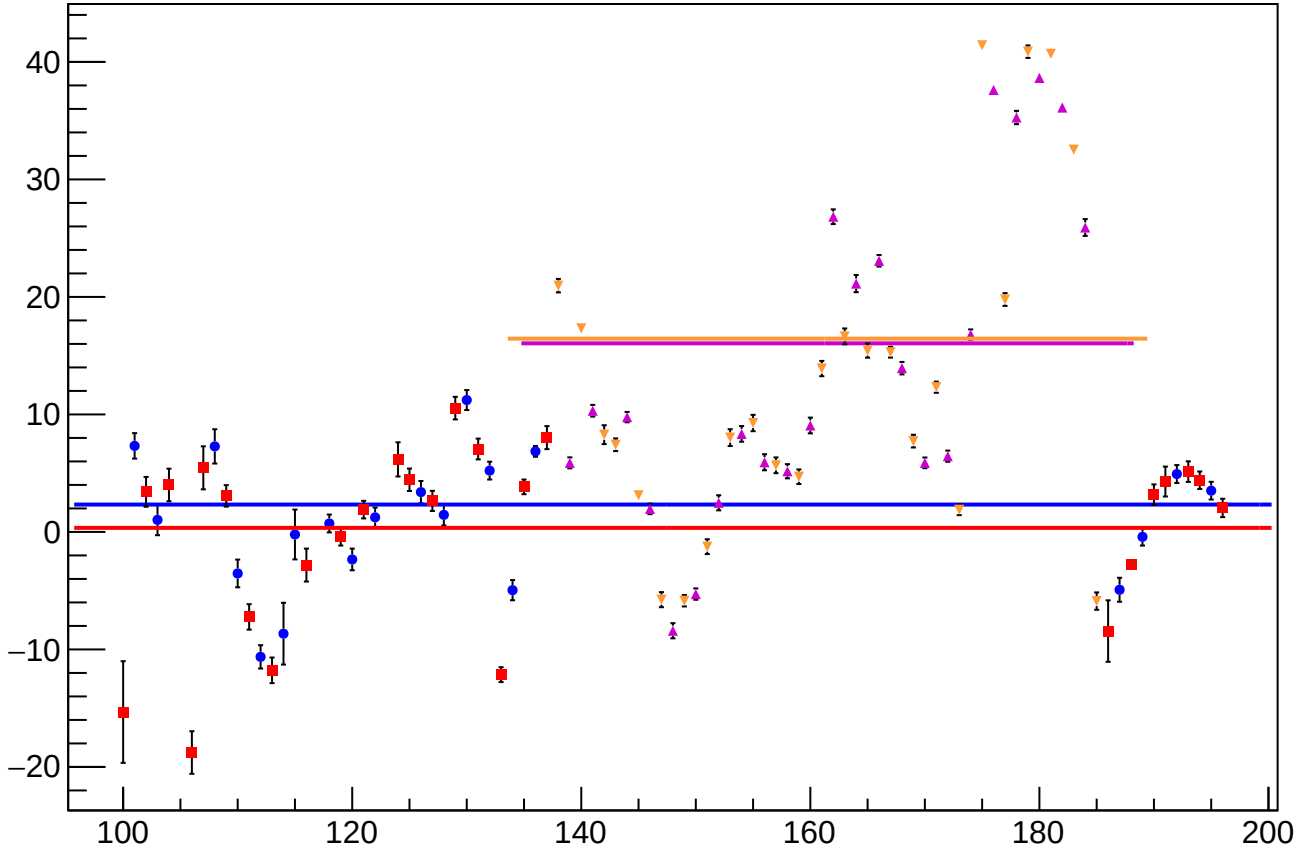
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.218+/-0.007 χ^2/NDF: 629.3/44

All: 0.219+/-0.005 χ^2/NDF: 1795.9/93

- sign 0.221+/-0.007 χ^2/NDF: 1166.5/48

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.330+/-0.196 χ^2/NDF: 652.9/19

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.346+/-0.171 χ^2/NDF: 1194.3/25

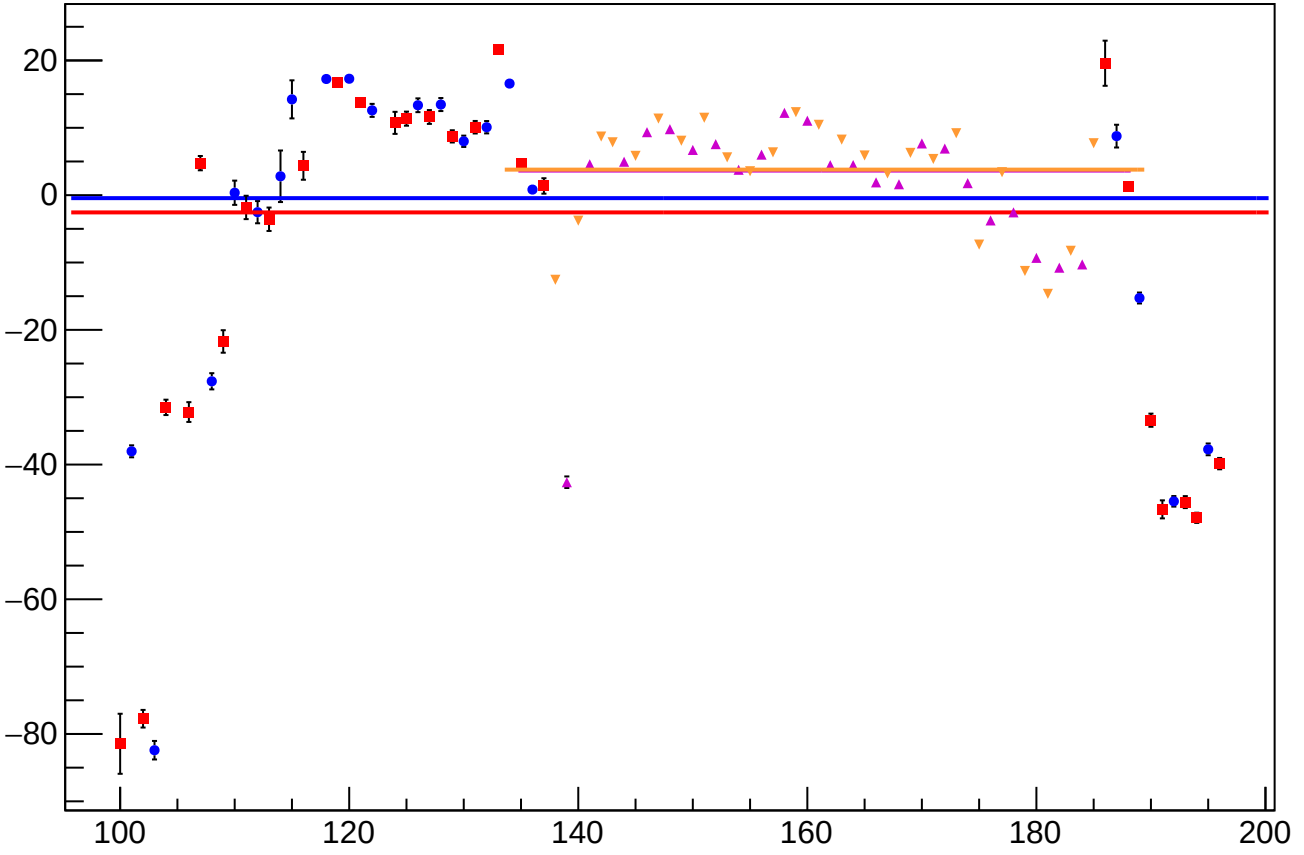
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

\+ sign 13.335+/-0.092 χ^2/NDF: 26117.2/44

All: 12.469+/-0.065 χ^2/NDF: 51161.8/93

\- sign 11.622+/-0.091 χ^2/NDF: 24868.7/48

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.443+/-0.191 χ^2/NDF: 15283.2/19

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -2.561+/-0.176 χ^2/NDF: 20732.9/25

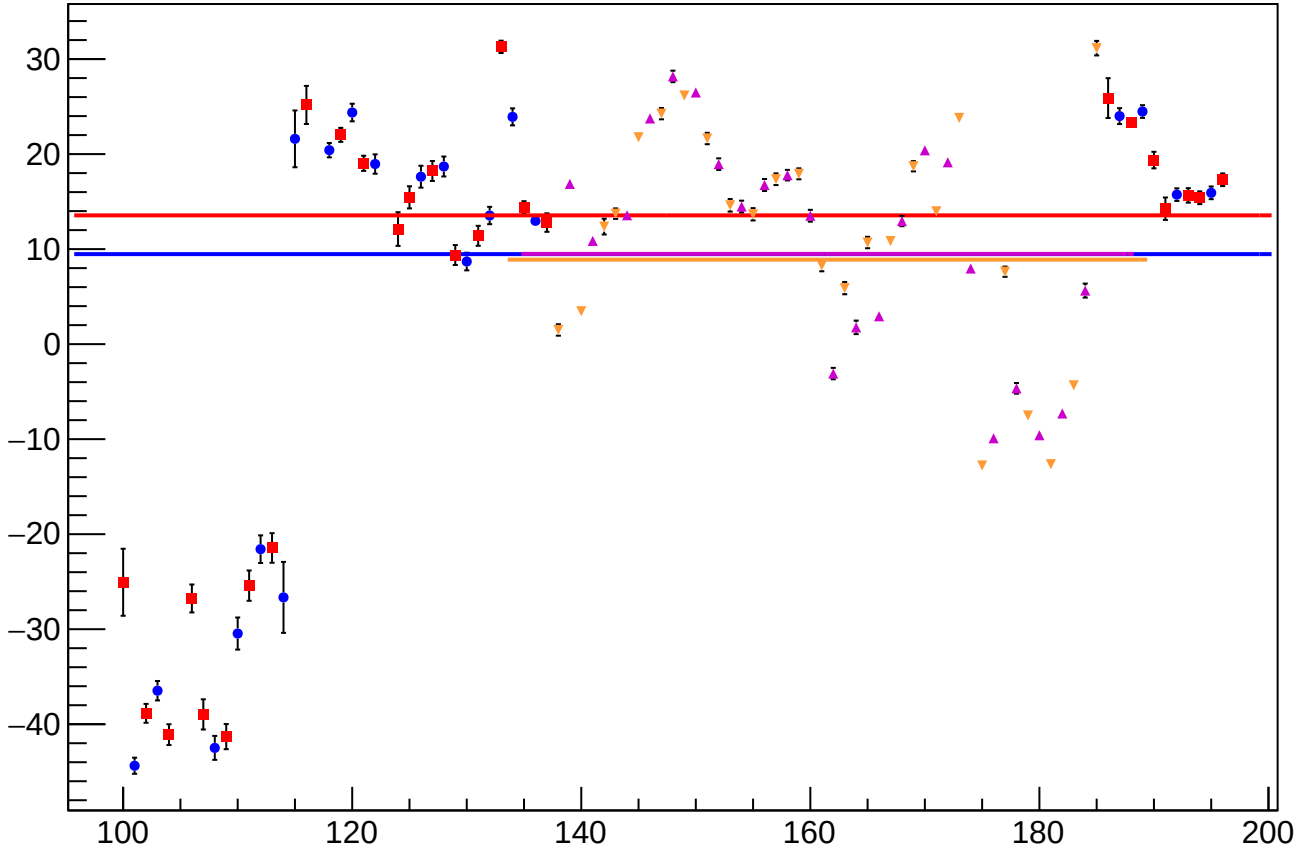
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.155+/-0.074 χ^2/NDF: 24803.0/44

All: 2.841+/-0.053 χ^2/NDF: 54904.1/93

- sign 2.517+/-0.075 χ^2/NDF: 30064.4/48

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 9.472+/-0.196 χ^2/NDF: 10873.7/19

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

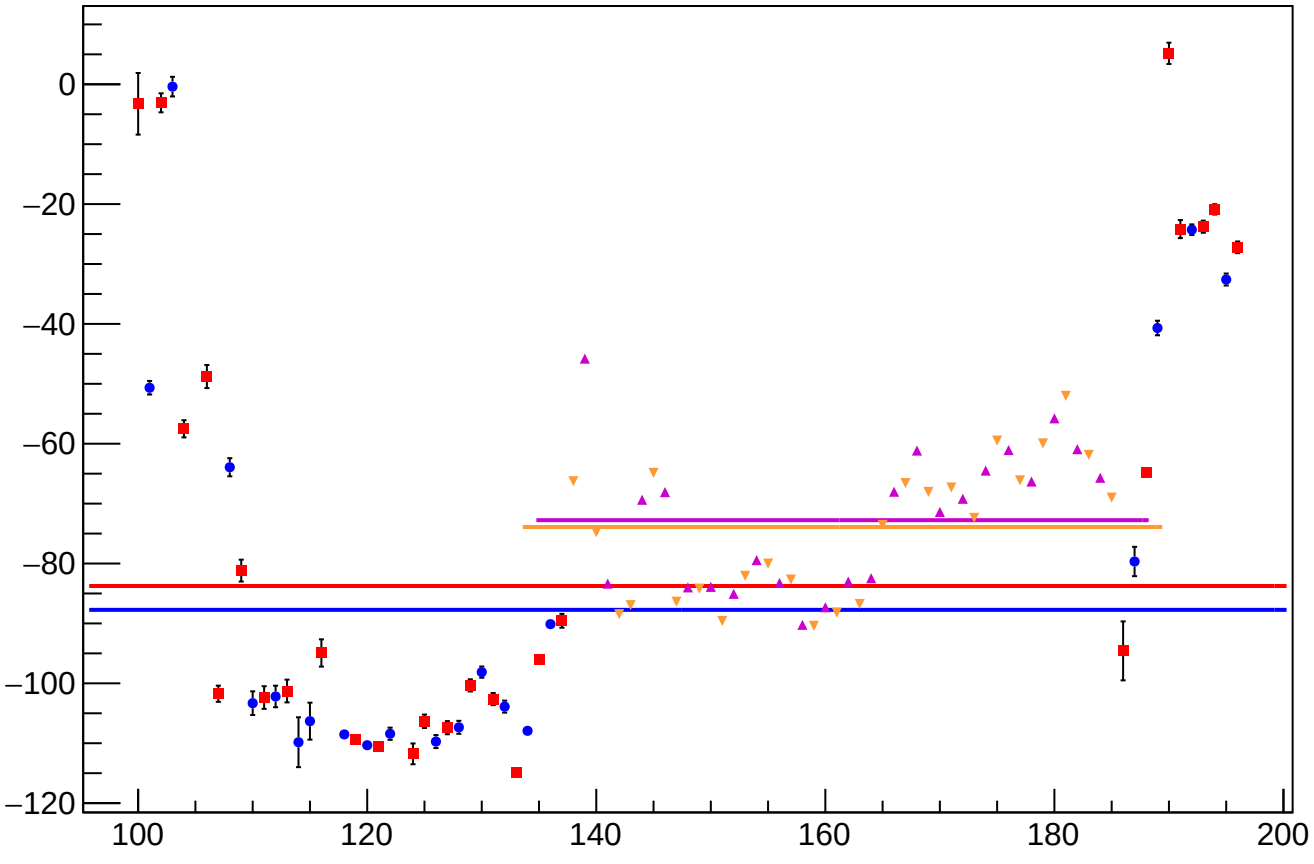
Right Out: 13.552+/-0.165 χ^2/NDF: 12231.9/25

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.018+/-0.092 χ^2/NDF: 26308.6/44

All: 9.874+/-0.064 χ^2/NDF: 52175.8/93

- sign 10.689+/-0.090 χ^2/NDF: 25697.4/48



Right In: -87.733+/-0.222 χ^2/NDF: 18450.3/19

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -83.752+/-0.209 χ^2/NDF: 28761.7/25

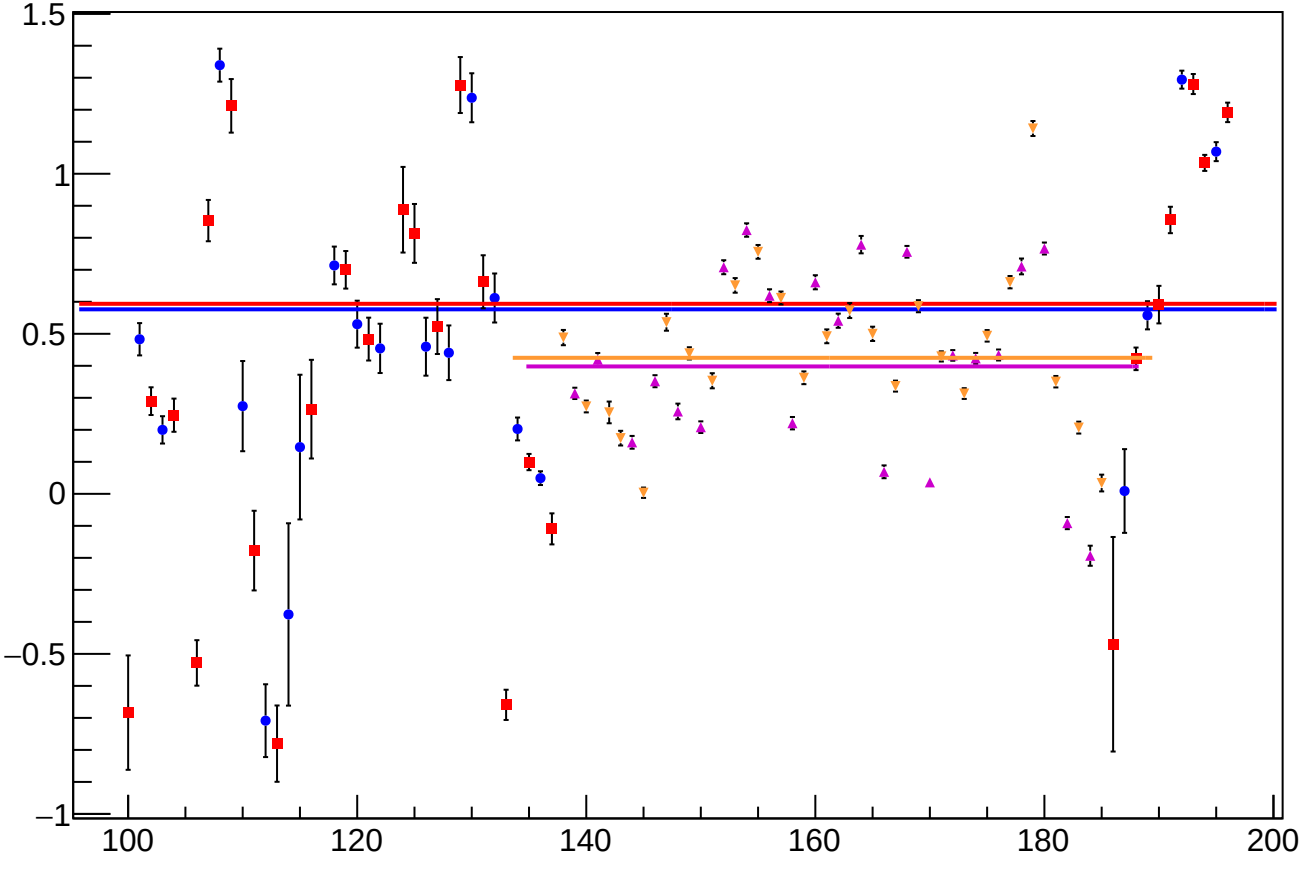
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.870+/-0.084 χ^2/NDF: 37334.6/44

All: -75.244+/-0.060 χ^2/NDF: 81135.4/93

- sign -74.596+/-0.085 χ^2/NDF: 43687.0/48

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.576+/-0.011 χ^2/NDF: 2194.4/19

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.594+/-0.010 χ^2/NDF: 3262.9/25

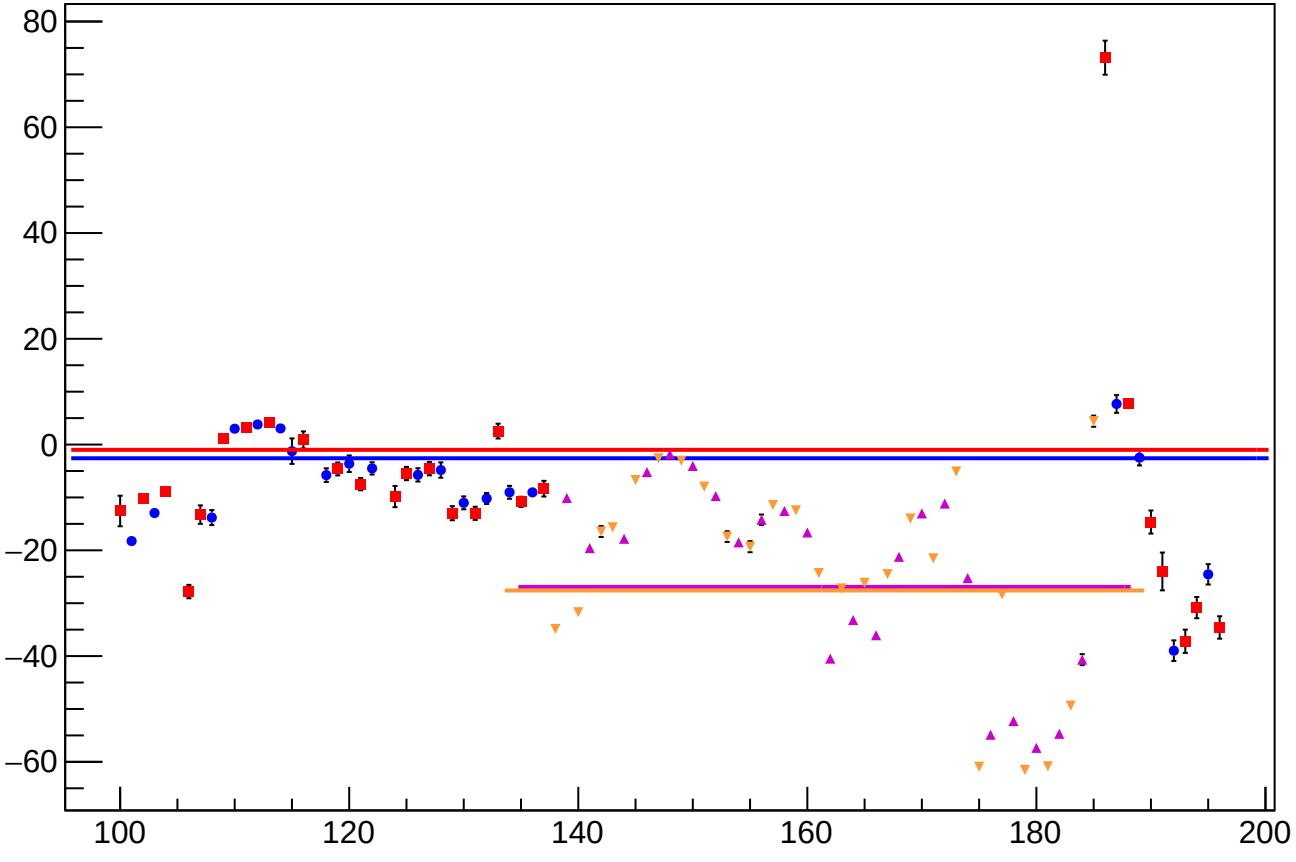
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.444+/-0.004 χ^2/NDF: 5403.5/44

All: 0.436+/-0.003 χ^2/NDF: 13290.1/93

- sign 0.428+/-0.004 χ^2/NDF: 7877.8/48

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.592+/-0.187 χ^2/NDF: 2009.7/19

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.997+/-0.164 χ^2/NDF: 2949.0/25

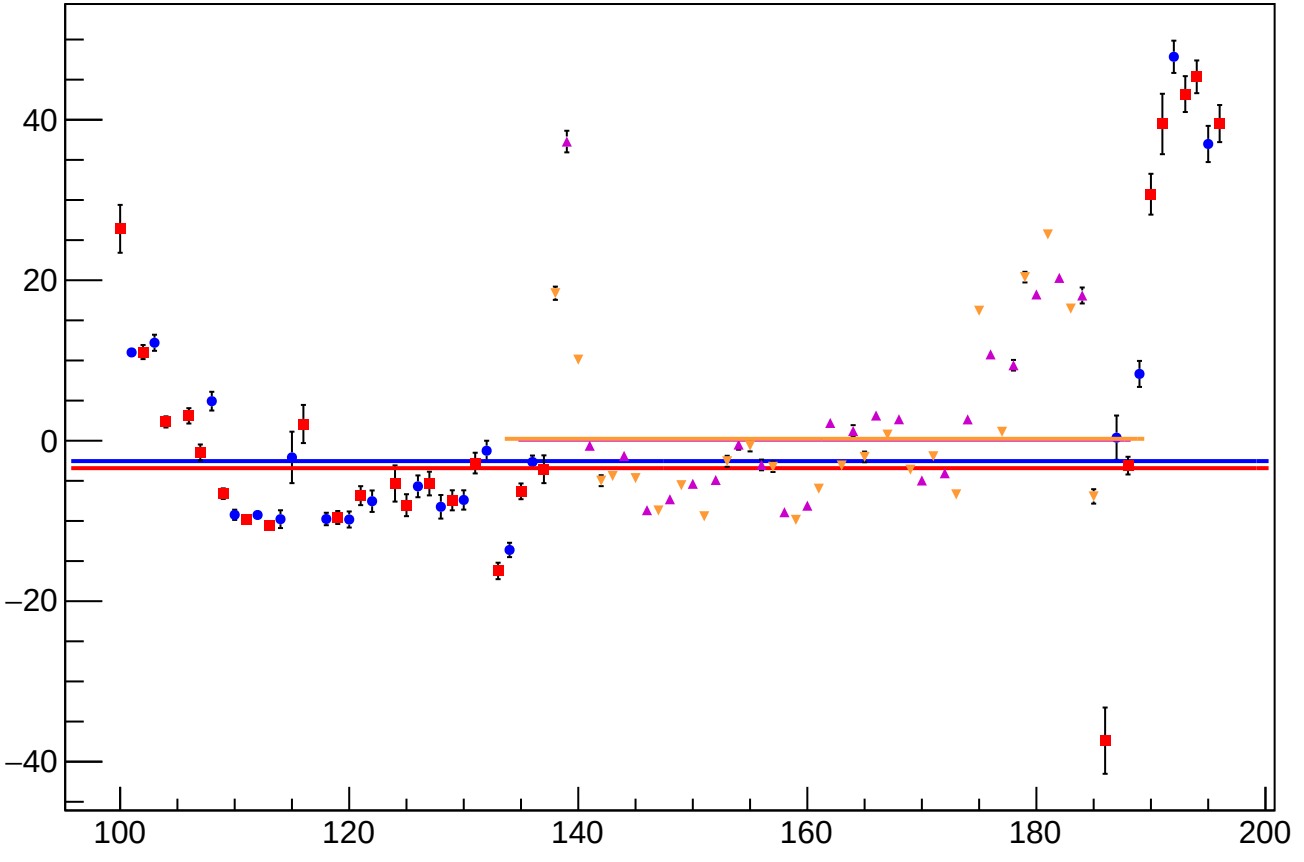
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.286+/-0.114 χ^2/NDF: 32946.3/44

All: -16.677+/-0.079 χ^2/NDF: 65484.4/93

- sign -15.177+/-0.110 χ^2/NDF: 32155.4/48

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -2.540+/-0.220 χ^2/NDF: 2438.0/19

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

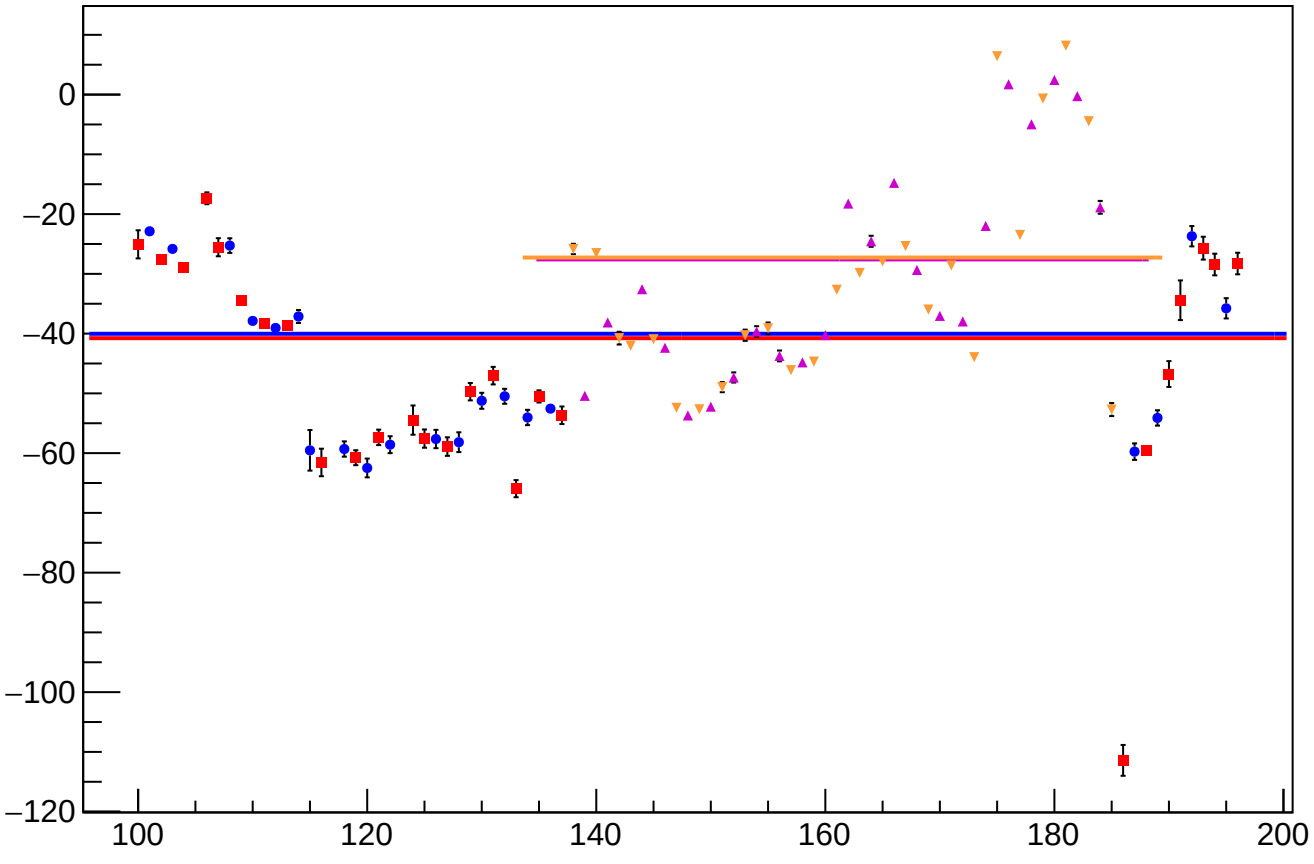
Right Out: -3.420+/-0.210 χ^2/NDF: 2771.0/25

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.318+/-0.099 χ^2/NDF: 10600.7/44

All: -0.496+/-0.070 χ^2/NDF: 19435.9/93

- sign -0.681+/-0.101 χ^2/NDF: 8828.6/48



Right In: -40.029+/-0.216 χ^2/NDF: 3388.0/19

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.763+/-0.196 χ^2/NDF: 4703.1/25

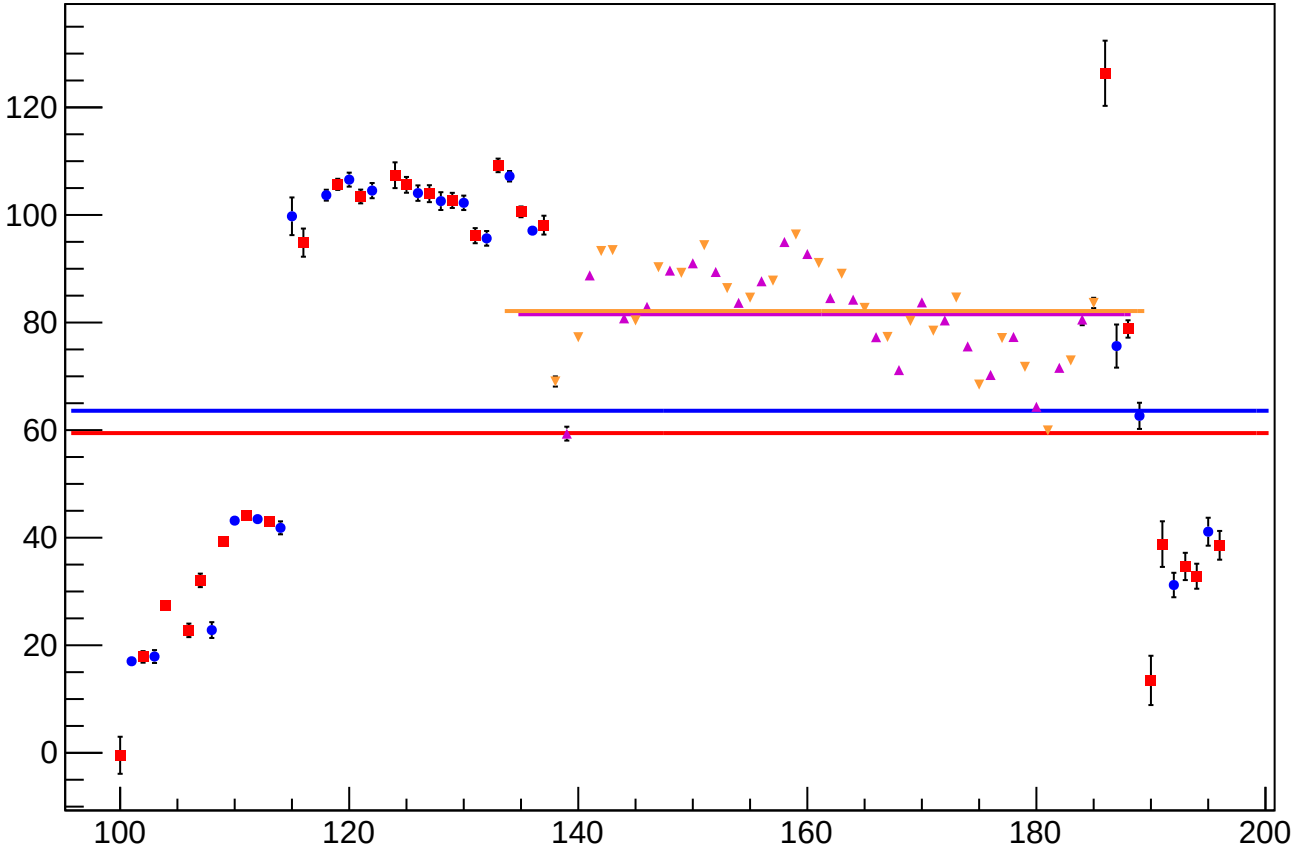
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.201+/-0.120 χ^2/NDF: 24336.3/44

All: -31.798+/-0.084 χ^2/NDF: 47615.9/93

- sign -32.380+/-0.118 χ^2/NDF: 23230.5/48

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 63.598+/-0.253 χ^2/NDF: 18888.8/19

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.447+/-0.241 χ^2/NDF: 18111.0/25

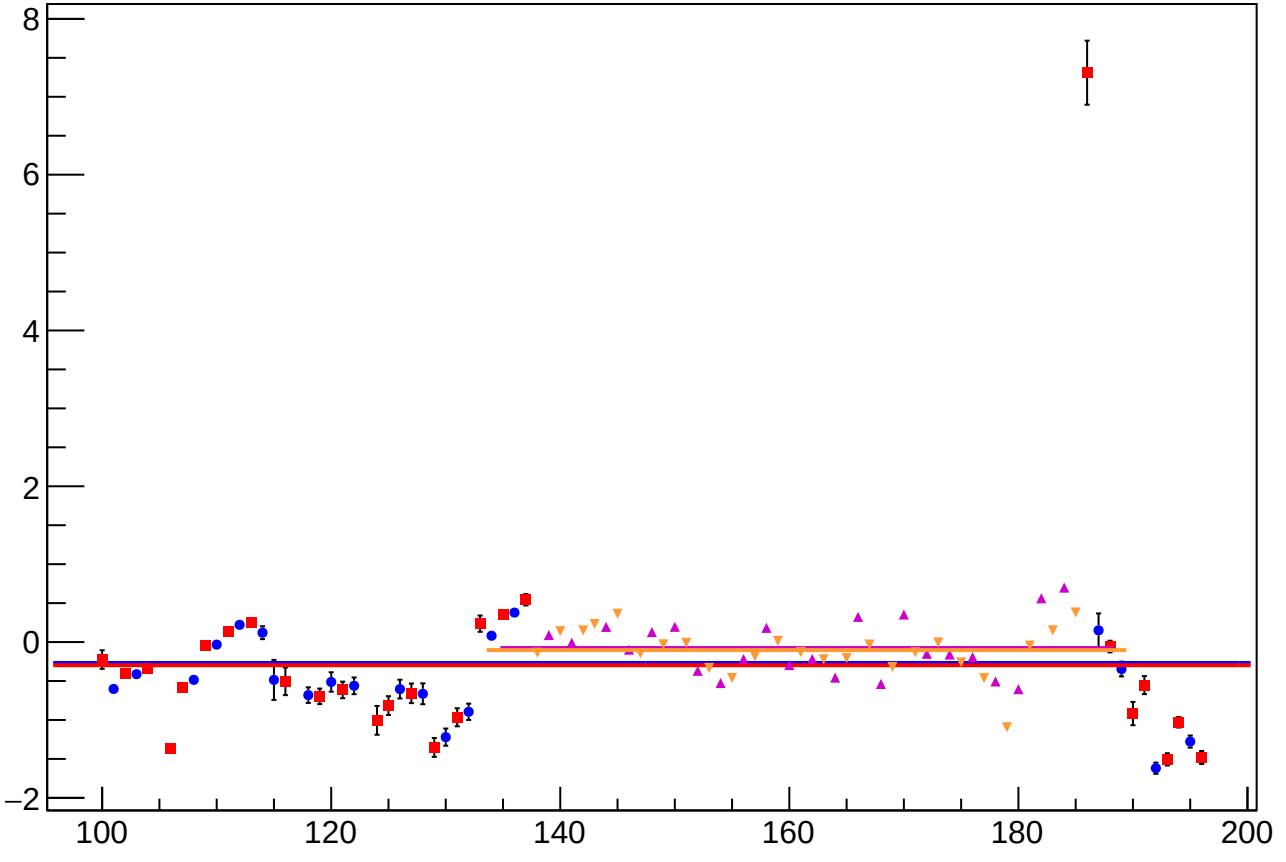
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.503+/-0.112 χ^2/NDF: 28589.2/44

All: 77.584+/-0.080 χ^2/NDF: 57395.5/93

- sign 76.635+/-0.114 χ^2/NDF: 28669.3/48

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.268+/-0.013 χ^2/NDF: 1477.6/19

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.297+/-0.012 χ^2/NDF: 2335.1/25

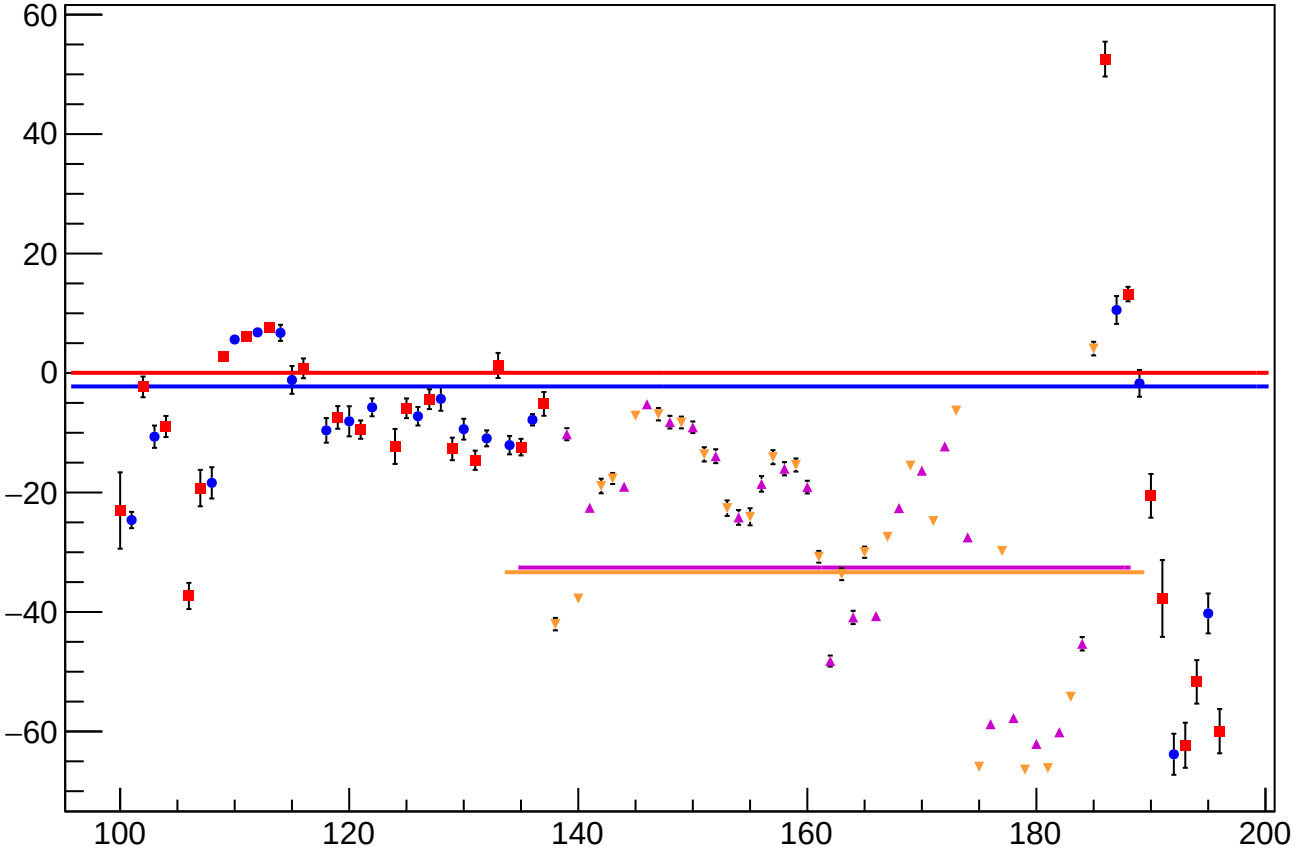
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.130+/-0.005 χ^2/NDF: 4024.1/44

All: -0.123+/-0.004 χ^2/NDF: 9952.5/93

- sign -0.117+/-0.005 χ^2/NDF: 5925.5/48

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -2.247+/-0.300 χ^2/NDF: 1384.1/19

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.039+/-0.270 χ^2/NDF: 2174.4/25

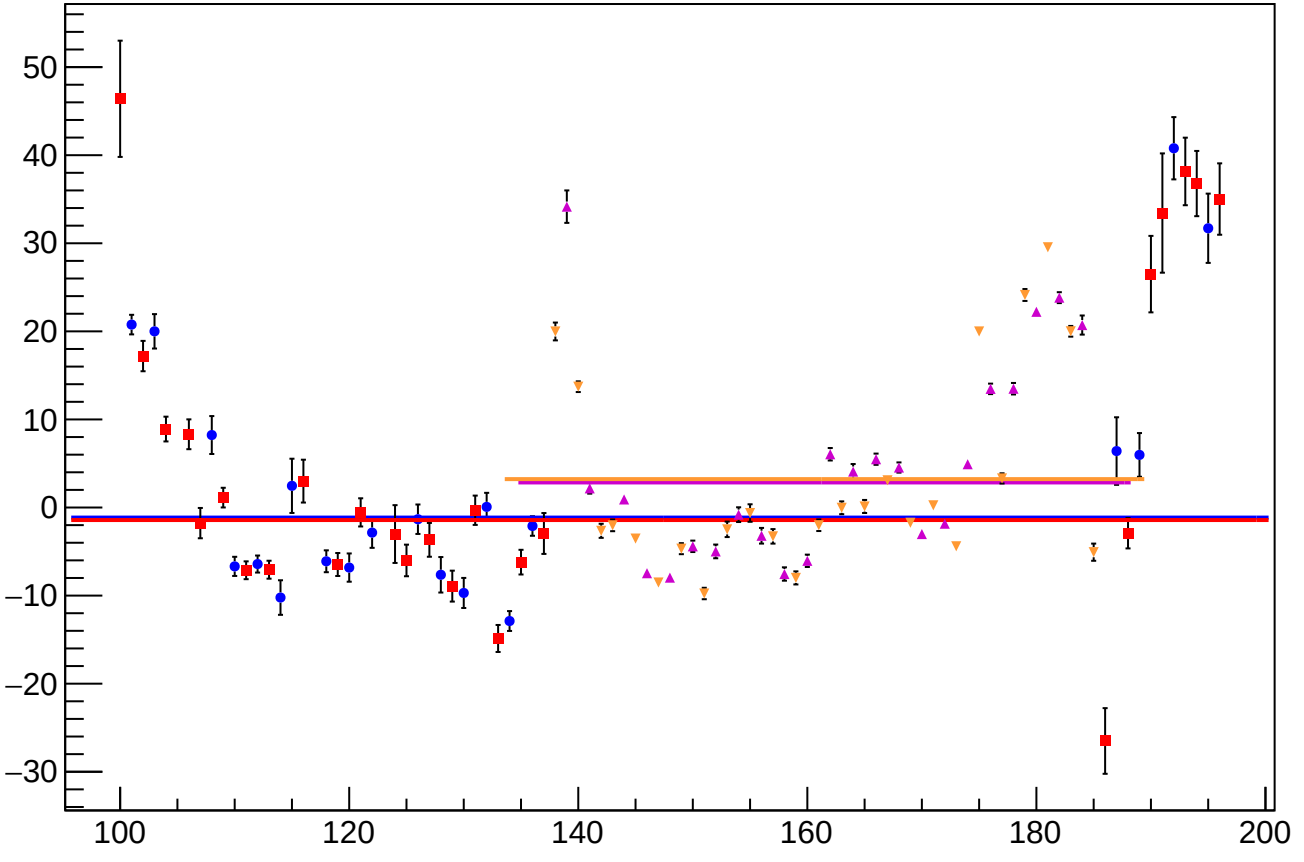
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.159+/-0.144 χ^2/NDF: 27622.2/44

All: -24.753+/-0.102 χ^2/NDF: 54325.3/93

- sign -23.362+/-0.144 χ^2/NDF: 26514.2/48

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -1.143+/-0.348 χ^2/NDF: 1001.0/19

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.423+/-0.341 χ^2/NDF: 865.9/25

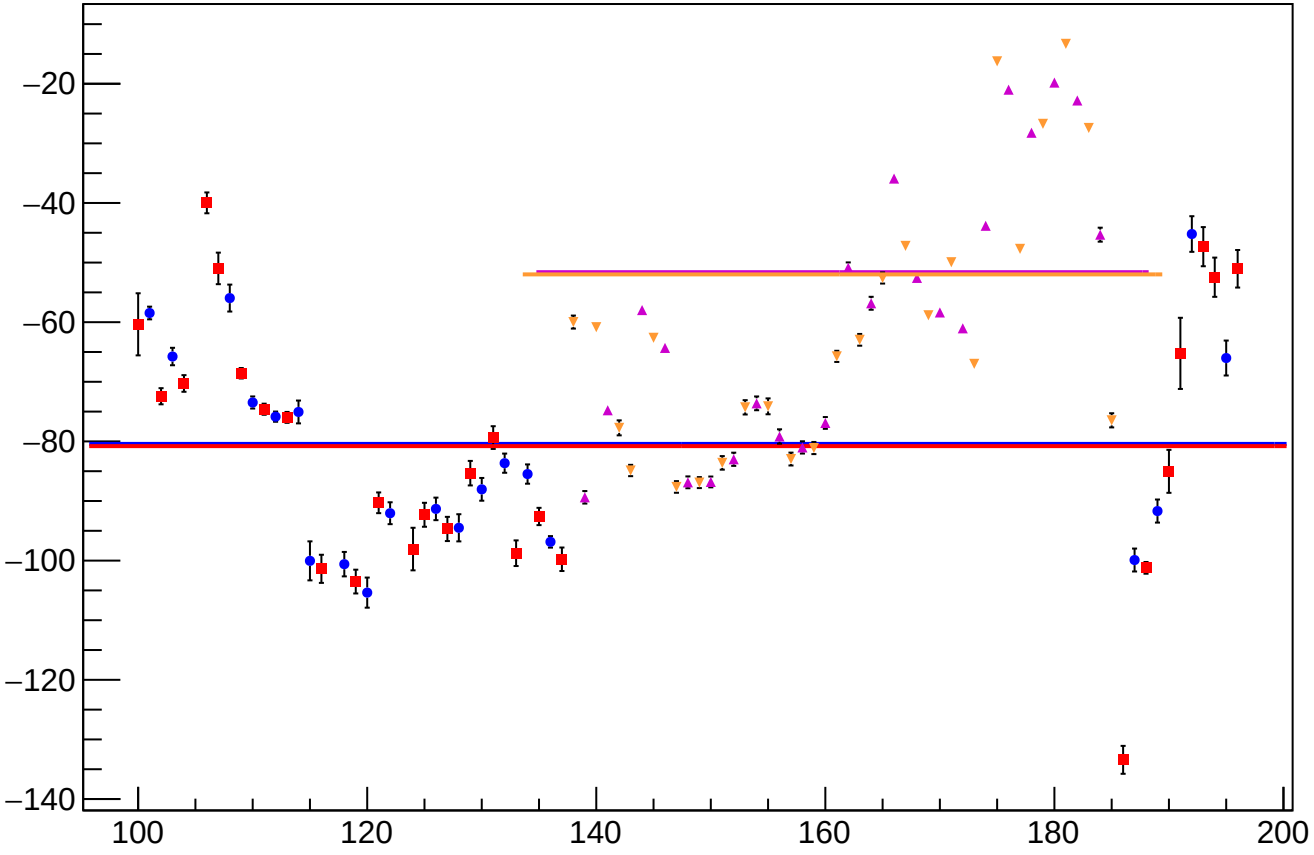
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.703+/-0.120 χ^2/NDF: 8815.4/44

All: 2.502+/-0.086 χ^2/NDF: 15279.0/93

- sign 2.294+/-0.122 χ^2/NDF: 6458.0/48

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.421+/-0.347 χ^2/NDF: 1687.6/19

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.794+/-0.323 χ^2/NDF: 2832.7/25

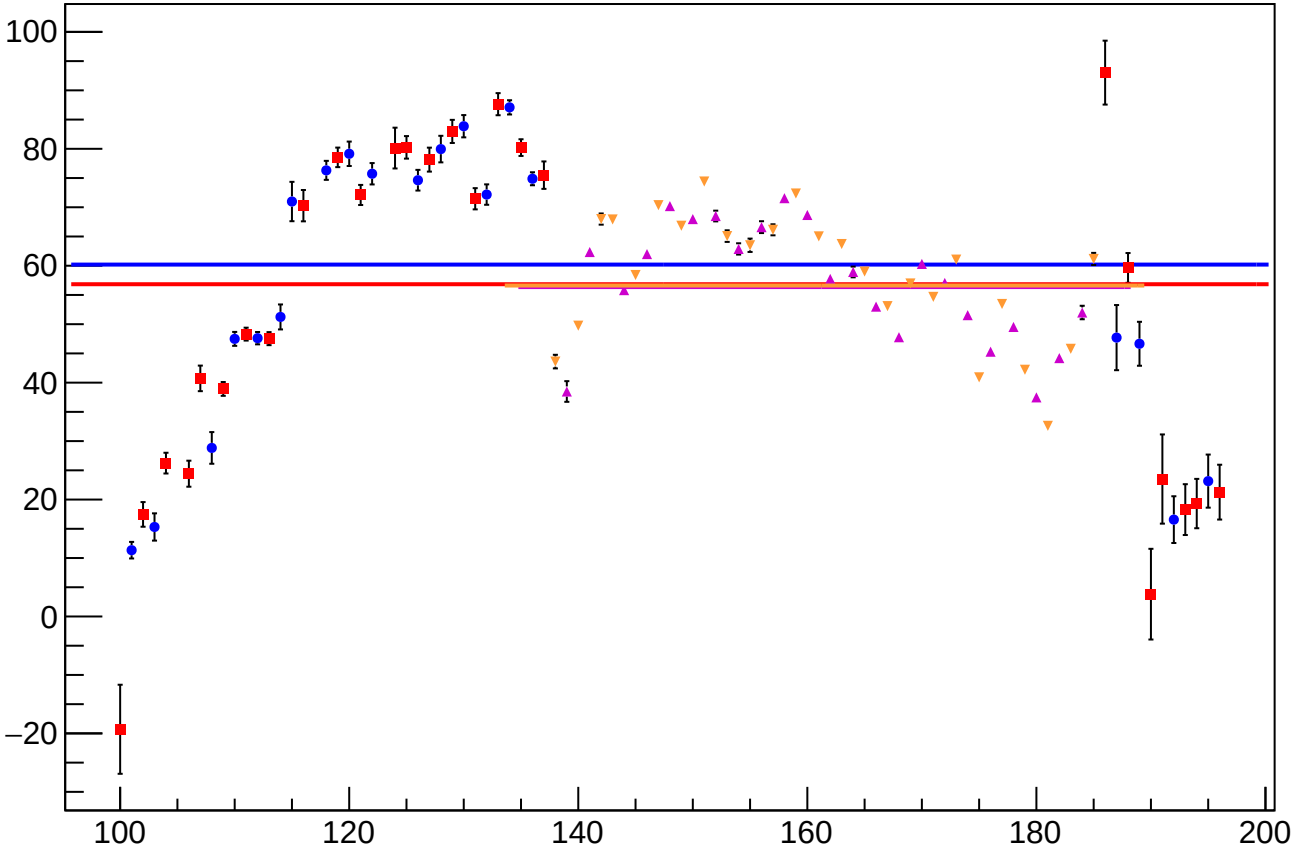
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.212+/-0.149 χ^2/NDF: 28051.0/44

All: -57.554+/-0.106 χ^2/NDF: 54938.4/93

- sign -57.900+/-0.150 χ^2/NDF: 26876.8/48

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 60.195+/-0.394 χ^2/NDF: 3438.4/19

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.836+/-0.389 χ^2/NDF: 3106.6/25

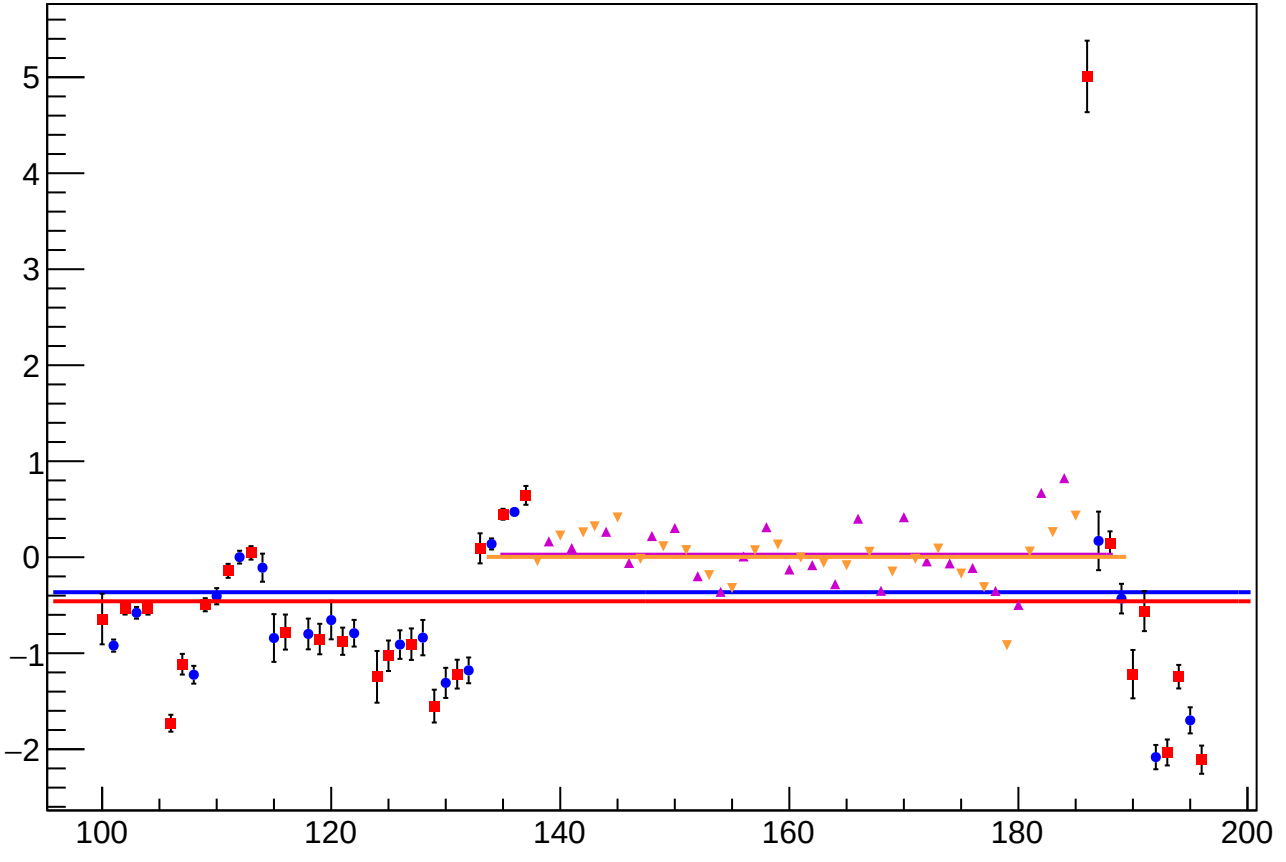
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.034+/-0.135 χ^2/NDF: 9177.6/44

All: 56.728+/-0.096 χ^2/NDF: 16264.7/93

- sign 56.409+/-0.138 χ^2/NDF: 7076.7/48

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.364+/-0.021 χ^2/NDF: 1026.8/19

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.459+/-0.021 χ^2/NDF: 1381.5/25

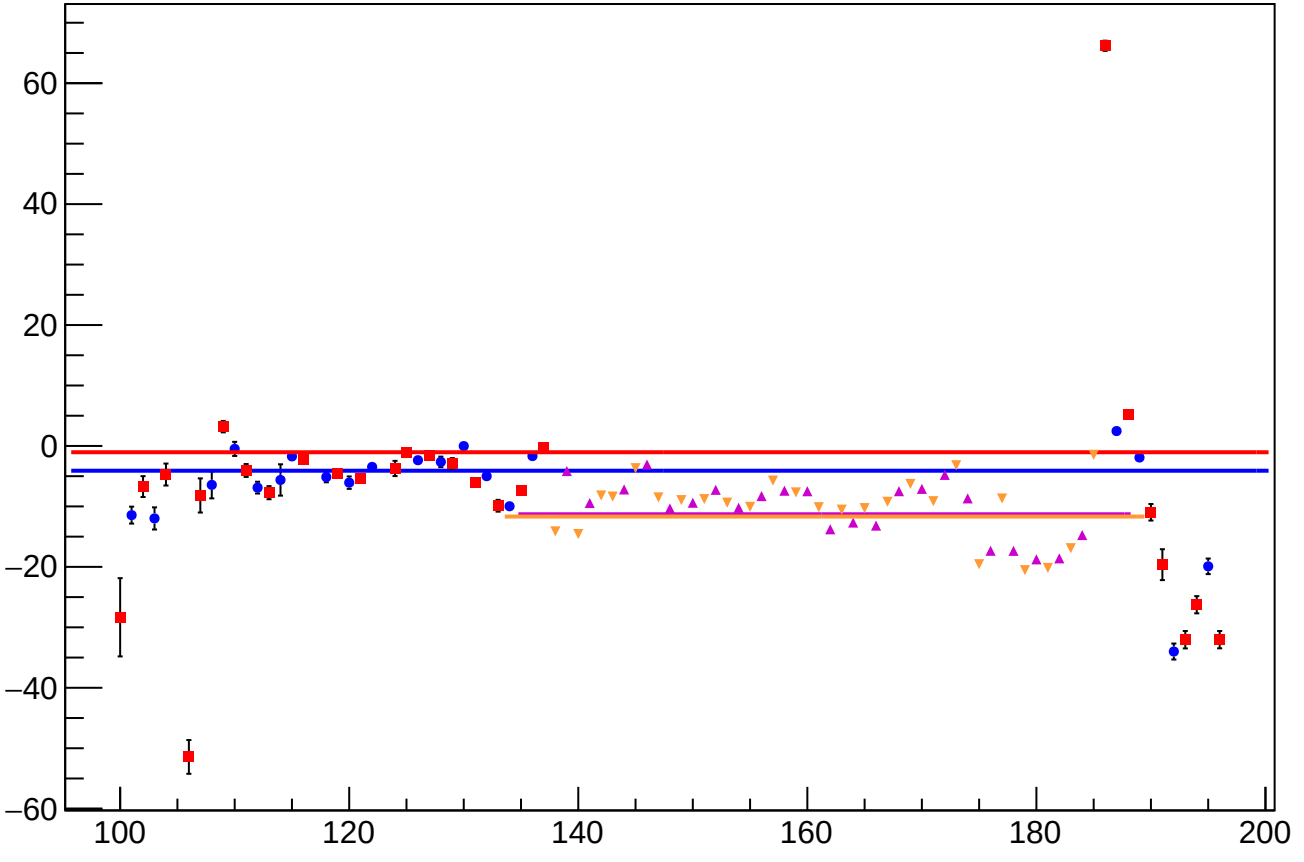
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.029+/-0.006 χ^2/NDF: 3012.7/44

All: -0.024+/-0.004 χ^2/NDF: 7249.4/93

- sign -0.019+/-0.006 χ^2/NDF: 4235.5/48

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.096+/-0.176 χ^2/NDF: 977.1/19

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -1.040+/-0.171 χ^2/NDF: 8718.4/25

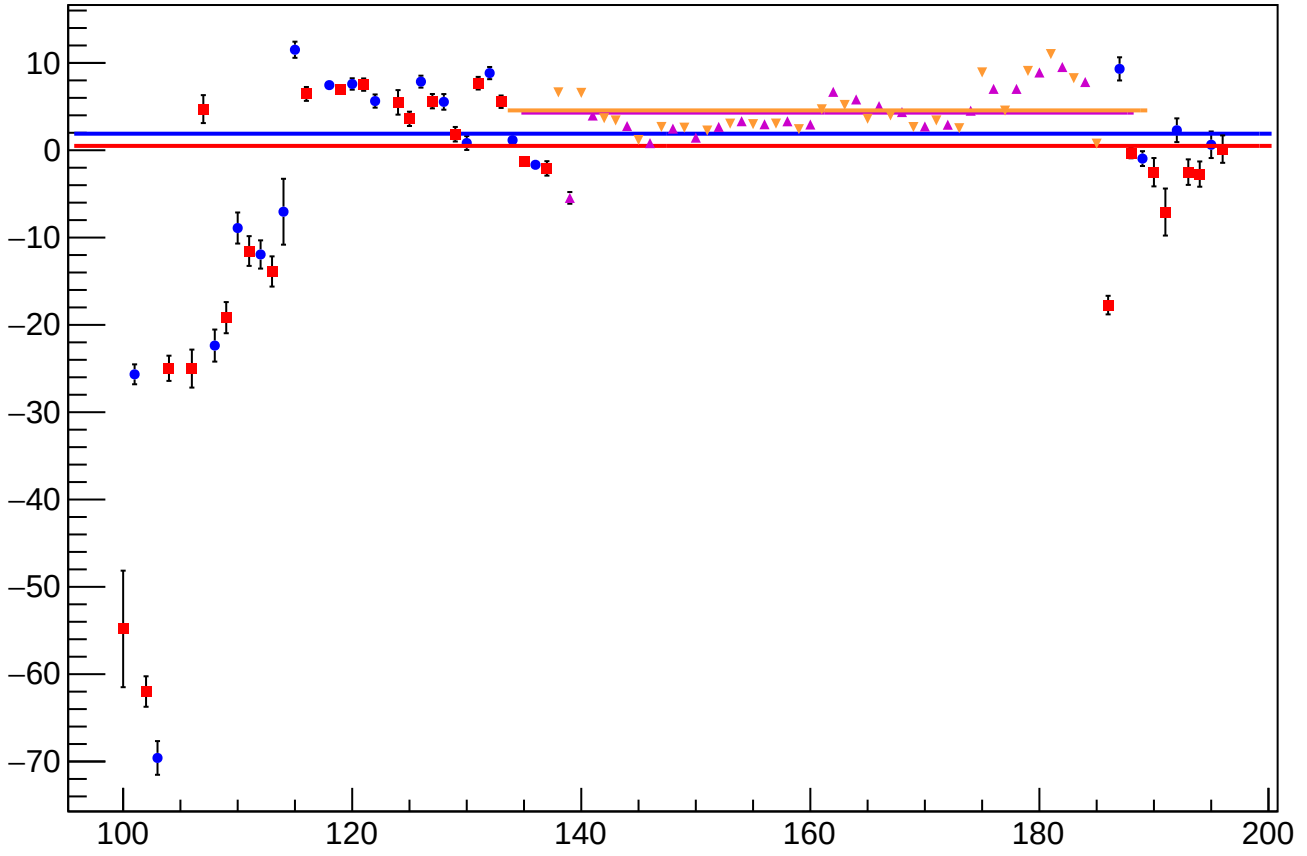
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

\+ sign -11.055+/-0.050 χ^2/NDF: 15288.0/44

All: -10.720+/-0.036 χ^2/NDF: 36601.6/93

\- sign -10.371+/-0.051 χ^2/NDF: 21223.3/48

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.896+/-0.180 χ^2/NDF: 2881.5/19

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.499+/-0.187 χ^2/NDF: 2900.2/25

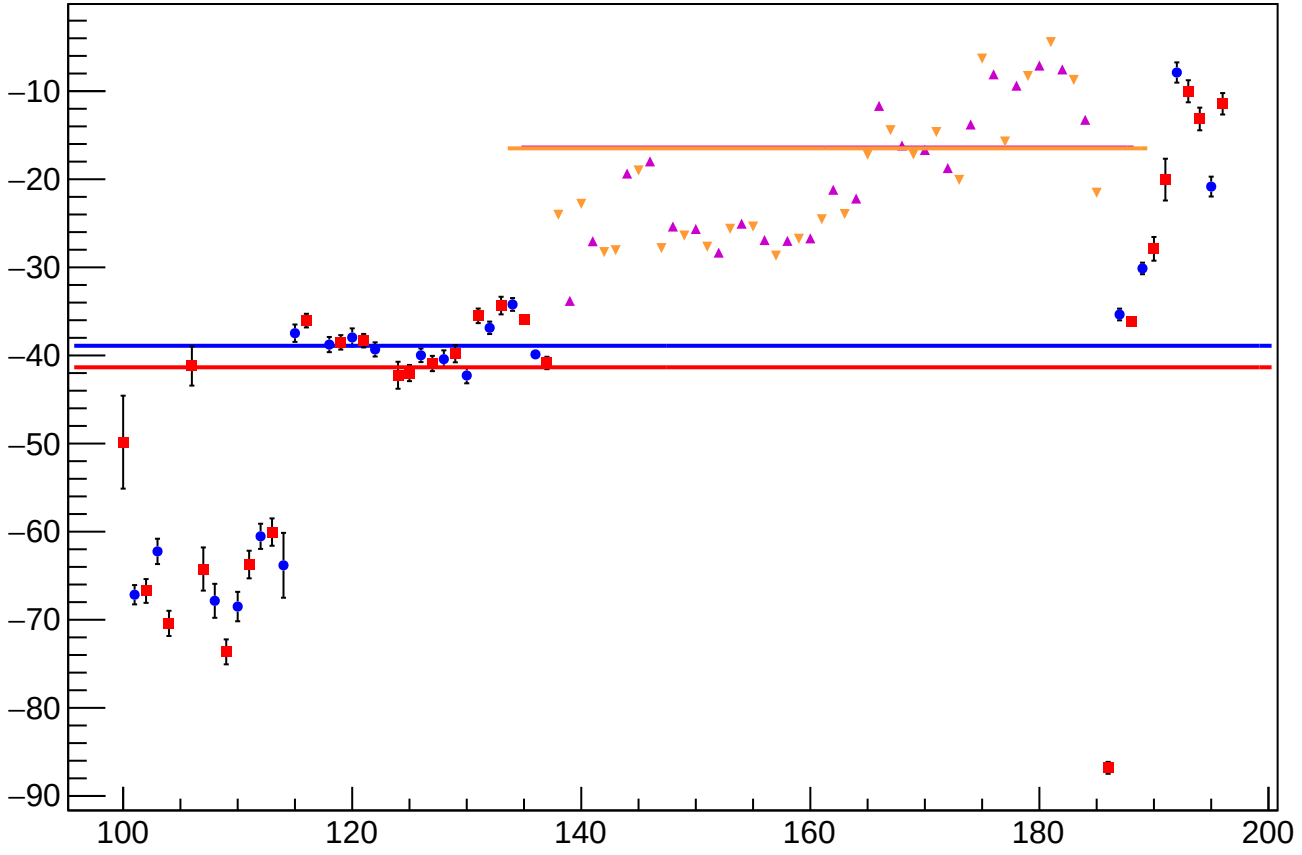
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.430+/-0.040 χ^2/NDF: 7446.8/44

All: 4.280+/-0.029 χ^2/NDF: 14379.1/93

- sign 4.124+/-0.041 χ^2/NDF: 6904.2/48

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -38.902+/-0.185 χ^2/NDF: 3015.1/19

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -41.343+/-0.175 χ^2/NDF: 8638.4/25

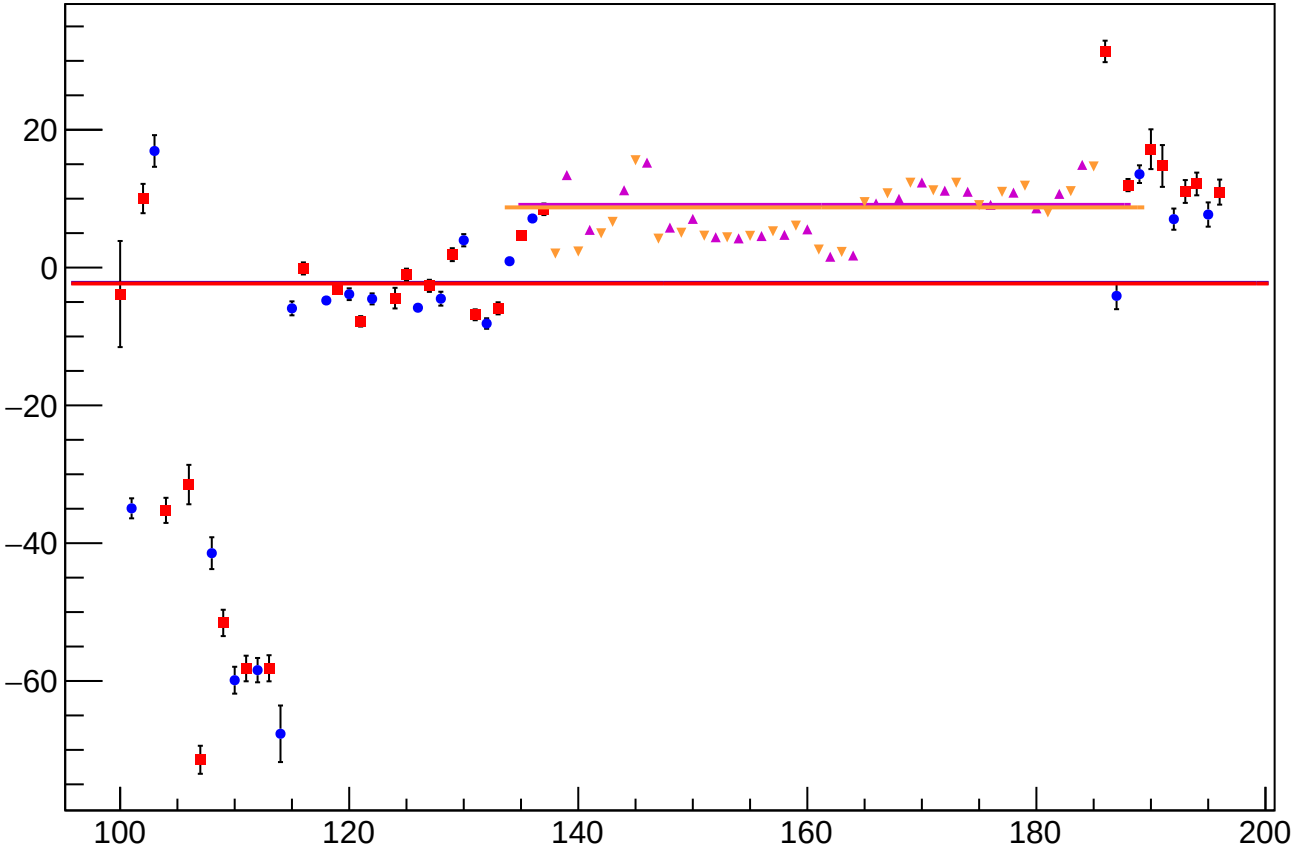
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.185+/-0.051 χ^2/NDF: 38608.9/44

All: -18.367+/-0.036 χ^2/NDF: 83777.7/93

- sign -18.556+/-0.052 χ^2/NDF: 45142.4/48

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.225+/-0.203 χ^2/NDF: 3957.2/19

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.308+/-0.215 χ^2/NDF: 5512.4/25

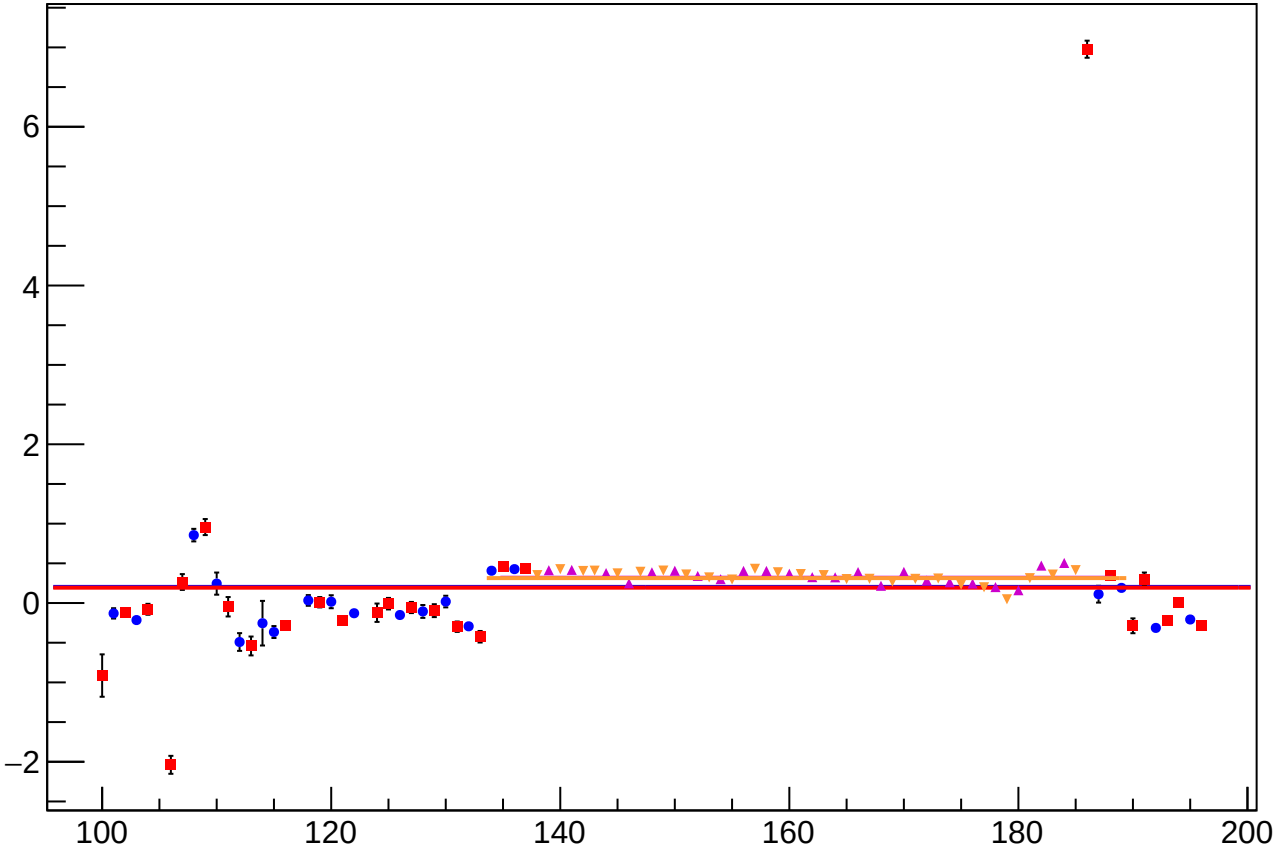
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.193+/-0.045 χ^2/NDF: 13615.1/44

All: 8.380+/-0.032 χ^2/NDF: 27578.6/93

- sign 8.576+/-0.046 χ^2/NDF: 13928.2/48

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.203+/-0.011 χ^2/NDF: 823.4/19

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.193+/-0.011 χ^2/NDF: 5198.1/25

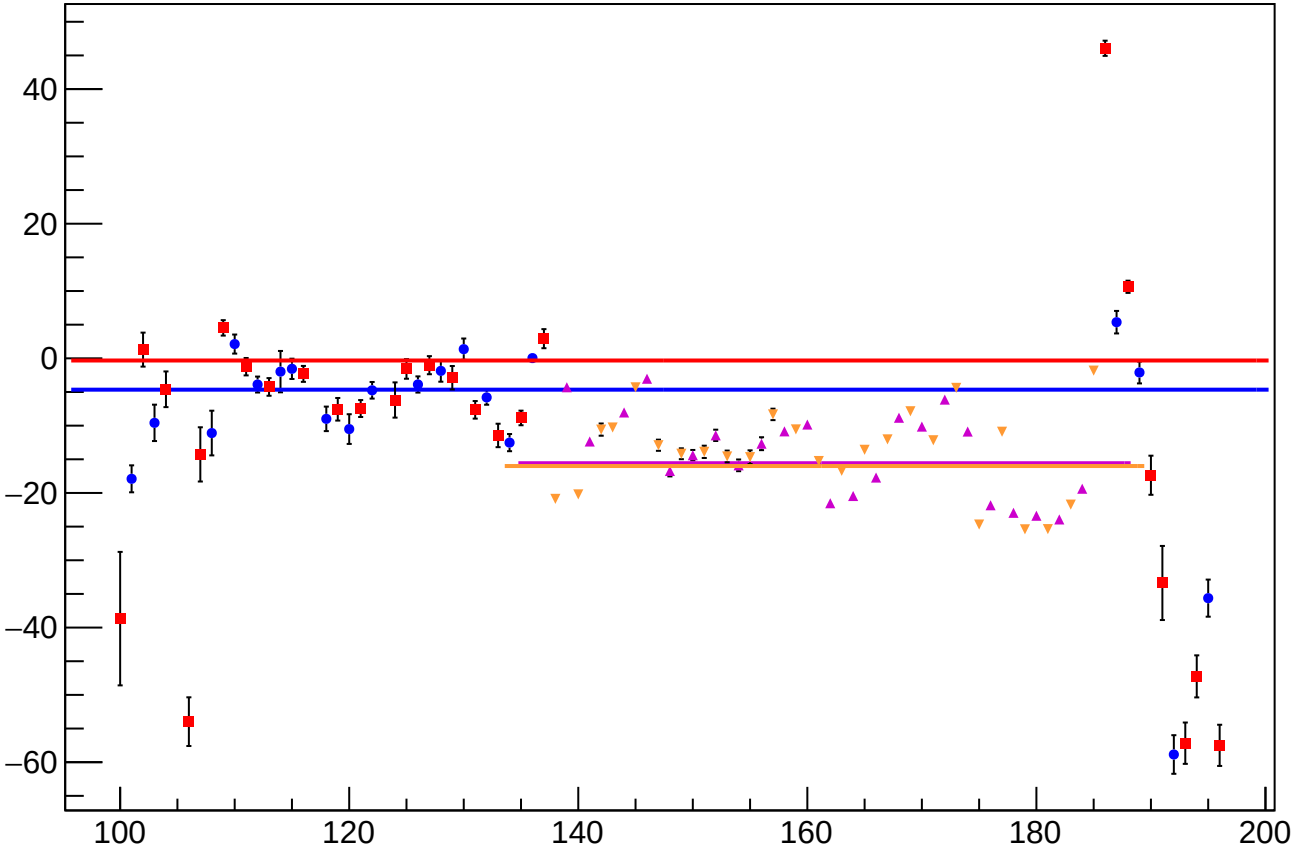
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.310+/-0.002 χ^2/NDF: 2529.7/44

All: 0.312+/-0.001 χ^2/NDF: 9633.6/93

- sign 0.315+/-0.002 χ^2/NDF: 7101.3/48

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -4.656+/-0.327 χ^2/NDF: 715.0/19

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.322+/-0.311 χ^2/NDF: 3300.7/25

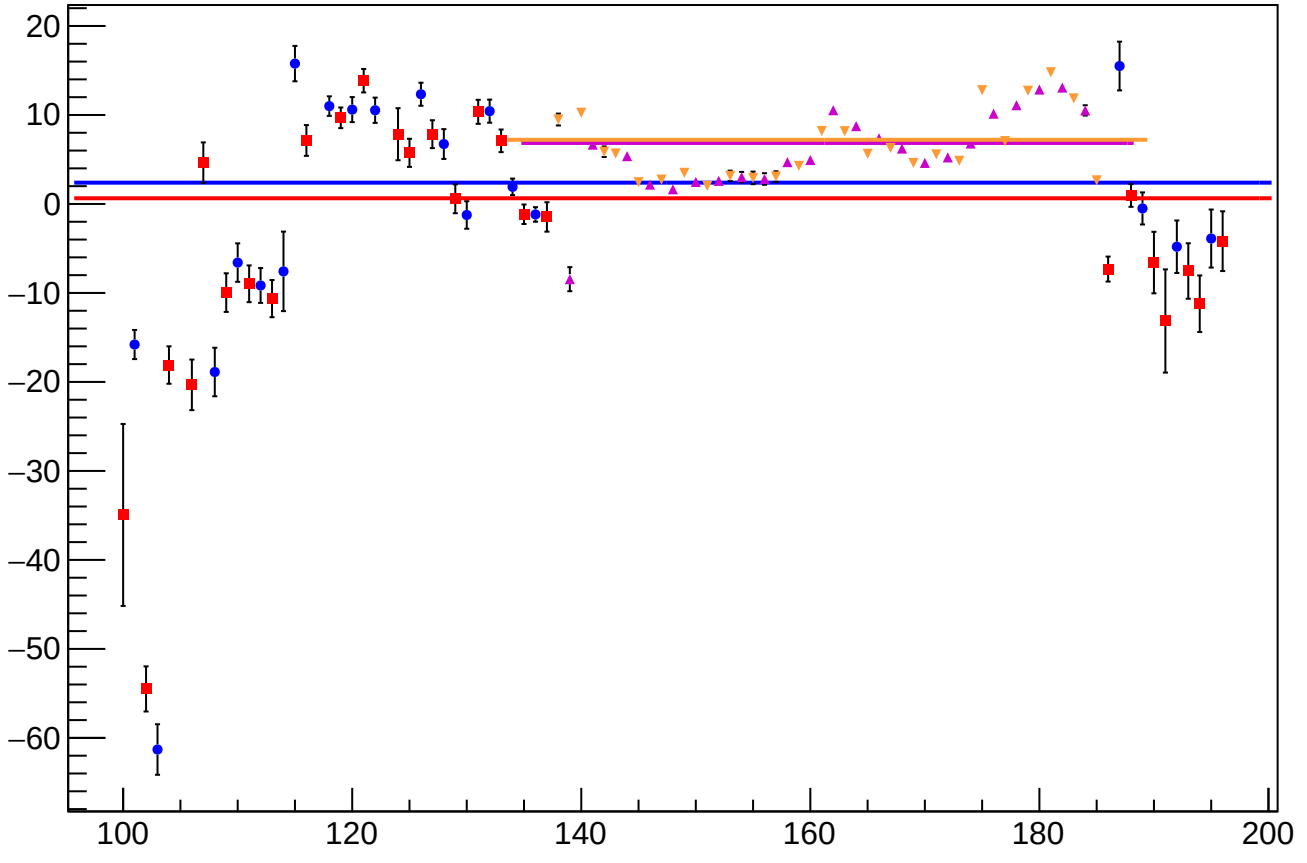
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.042+/-0.095 χ^2/NDF: 7778.3/44

All: -14.582+/-0.068 χ^2/NDF: 18056.9/93

- sign -14.103+/-0.097 χ^2/NDF: 10230.8/48

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.343 χ^2/NDF: 1081.9/19

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.640+/-0.348 χ^2/NDF: 1056.1/25

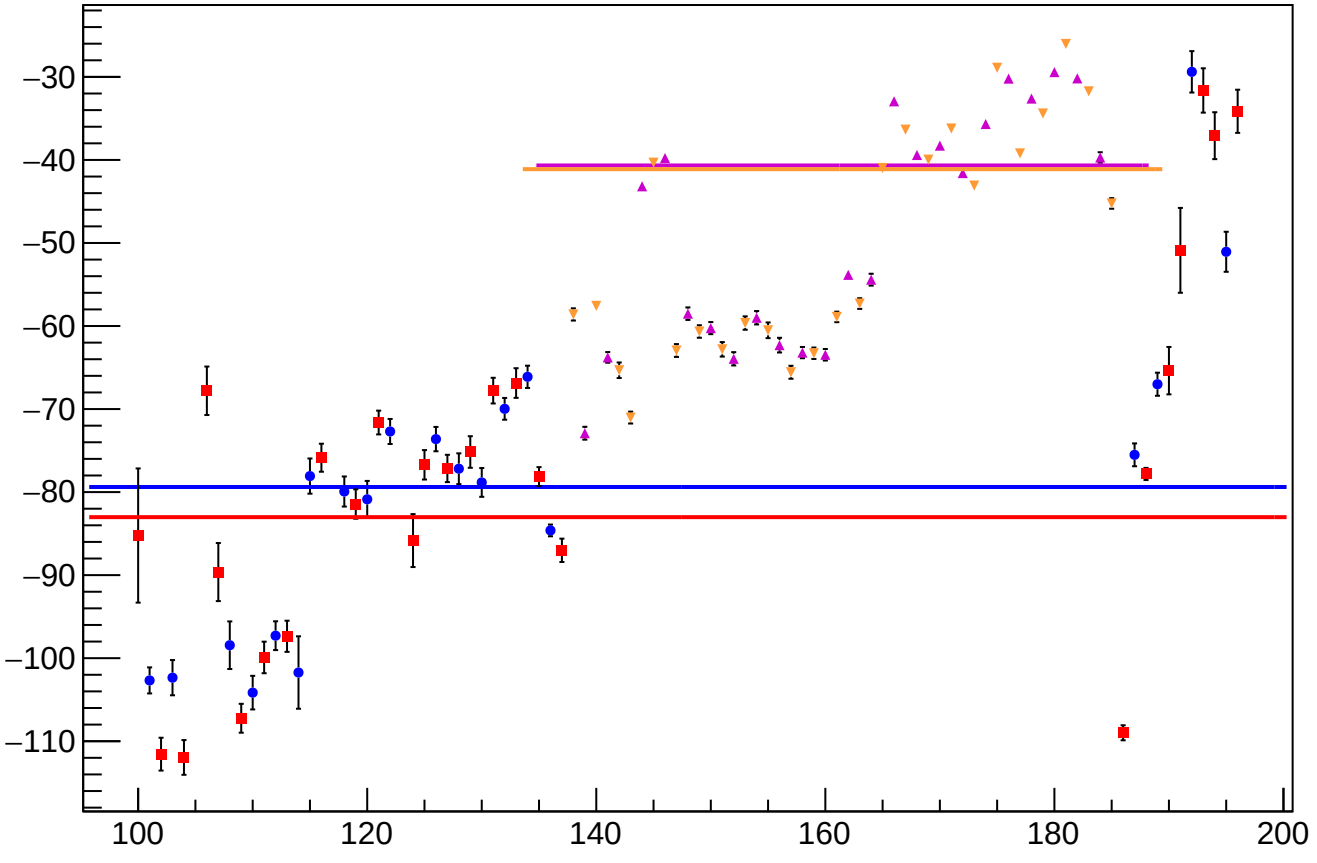
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.963+/-0.078 χ^2/NDF: 3725.1/44

All: 6.752+/-0.055 χ^2/NDF: 7254.1/93

- sign 6.537+/-0.079 χ^2/NDF: 3514.3/48

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -79.386+/-0.350 χ^2/NDF: 1533.5/19

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -83.018+/-0.325 χ^2/NDF: 3034.2/25

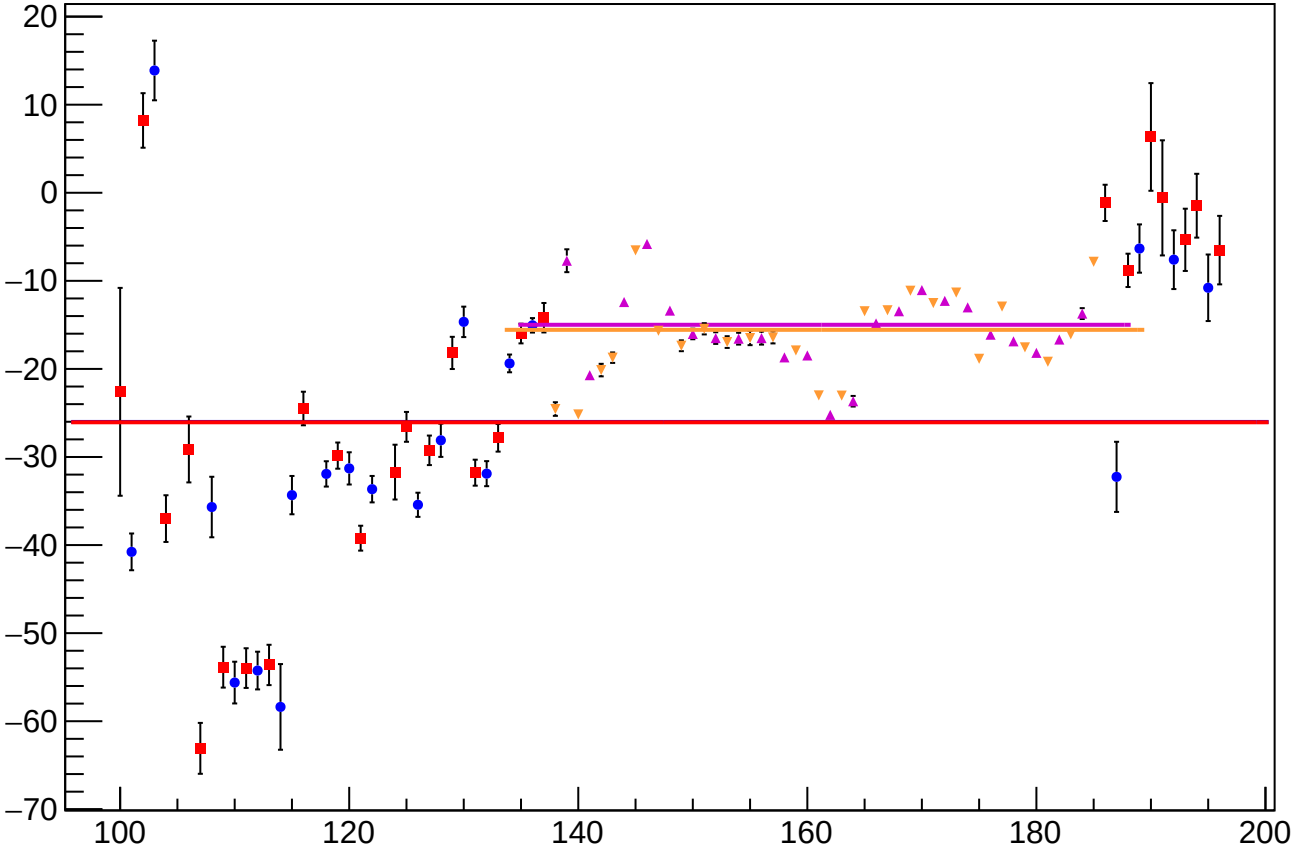
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.995+/-0.096 χ^2/NDF: 28574.5/44

All: -44.238+/-0.068 χ^2/NDF: 60652.4/93

- sign -44.486+/-0.097 χ^2/NDF: 32065.0/48

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.021+/-0.385 χ^2/NDF: 1068.1/19

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -26.059+/-0.403 χ^2/NDF: 1392.9/25

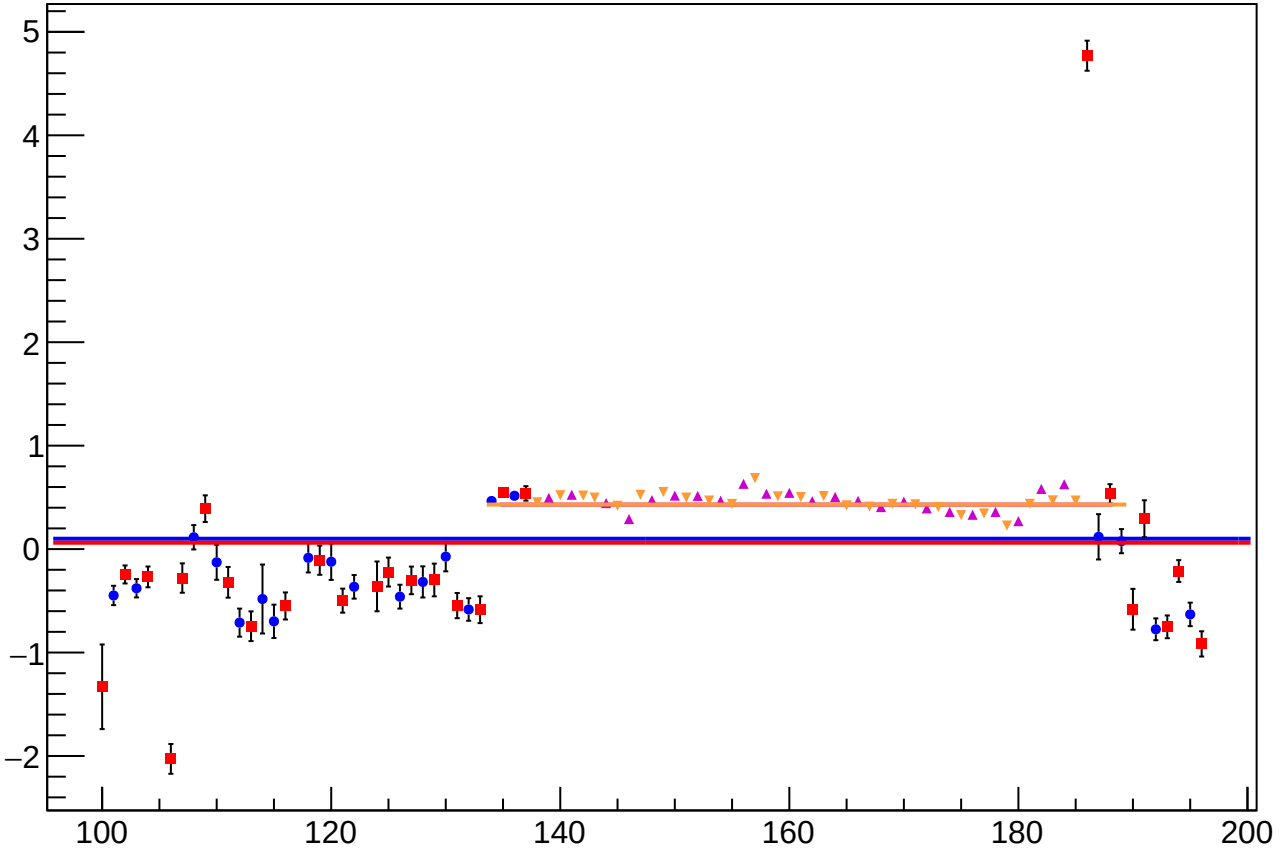
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.091+/-0.087 χ^2/NDF: 4318.3/44

All: -15.810+/-0.062 χ^2/NDF: 8603.1/93

- sign -15.520+/-0.088 χ^2/NDF: 4263.4/48

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.100+/-0.020 χ^2/NDF: 541.5/19

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.062+/-0.022 χ^2/NDF: 1794.3/25

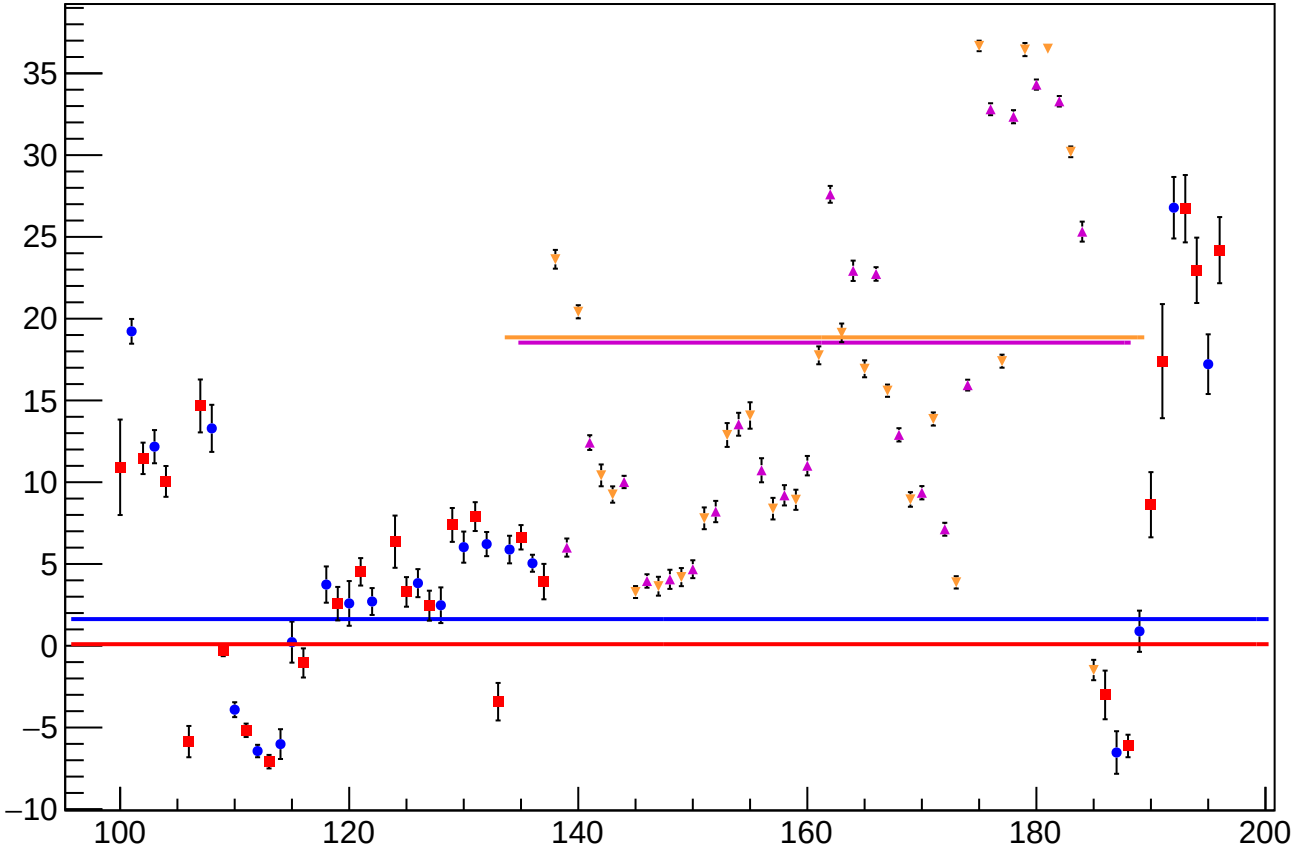
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

\+ sign 0.418+/-0.004 χ^2/NDF: 1217.0/44

All: 0.418+/-0.003 χ^2/NDF: 3875.2/93

\- sign 0.418+/-0.004 χ^2/NDF: 2658.2/48

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.630+/-0.178 χ^2/NDF: 1814.9/19

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.096+/-0.159 χ^2/NDF: 1717.6/25

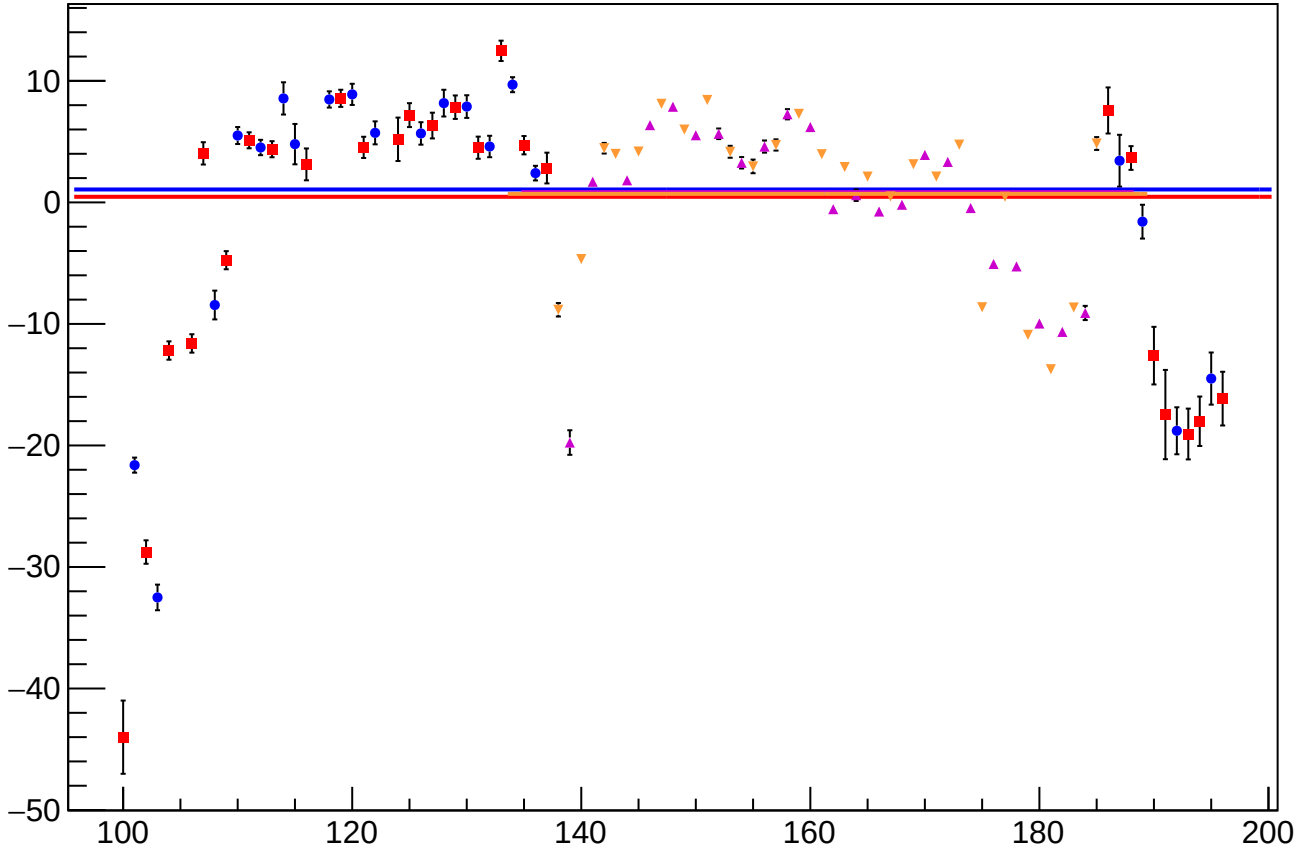
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.319+/-0.081 χ^2/NDF: 27648.4/44

All: 14.578+/-0.057 χ^2/NDF: 53563.6/93

- sign 13.839+/-0.080 χ^2/NDF: 25746.3/48

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.064+/-0.198 χ^2/NDF: 3247.0/19

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.461+/-0.193 χ^2/NDF: 2686.8/25

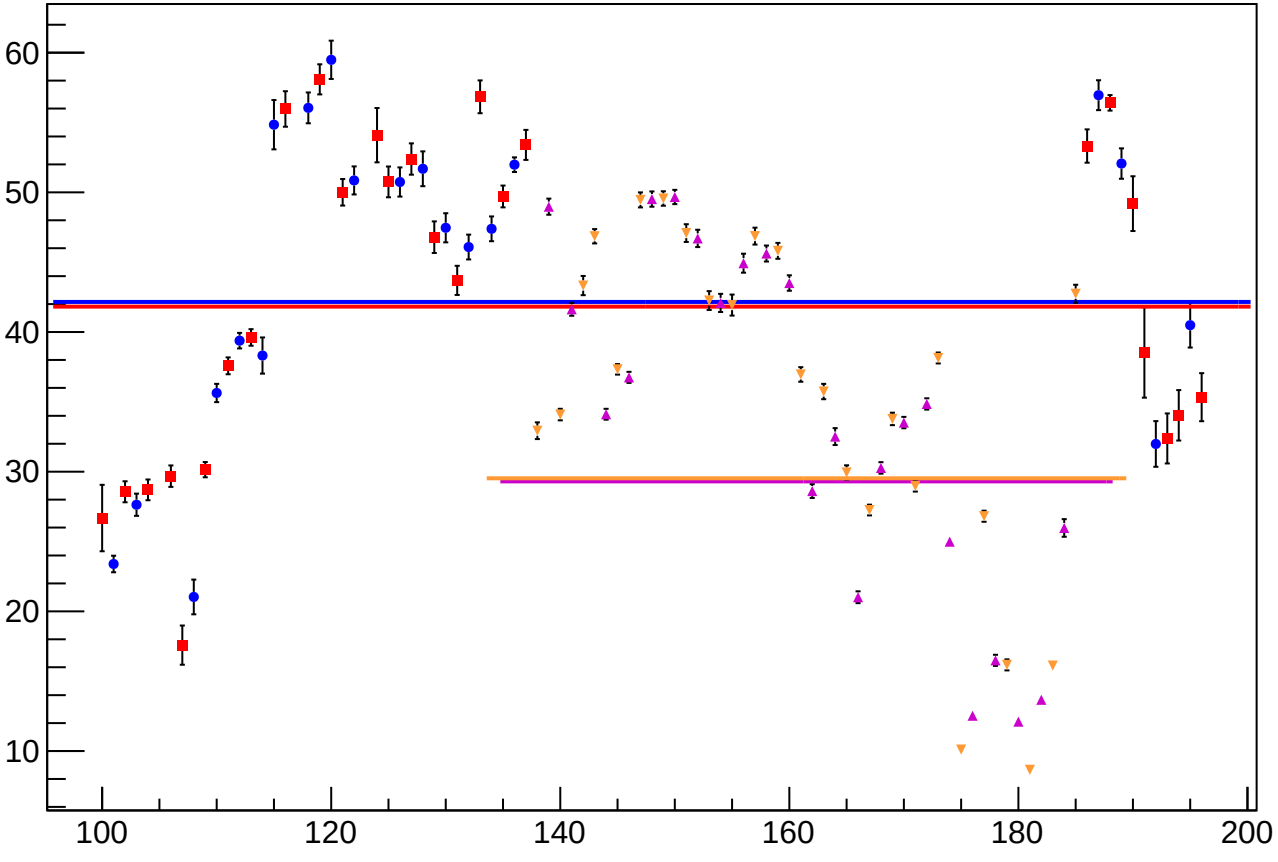
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

\+ sign 0.743+/-0.067 χ^2/NDF: 11487.7/44

All: 0.770+/-0.047 χ^2/NDF: 20223.7/93

\- sign 0.799+/-0.068 χ^2/NDF: 8735.7/48

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.154+/-0.200 χ^2/NDF: 3072.5/19

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.819+/-0.184 χ^2/NDF: 3612.7/25

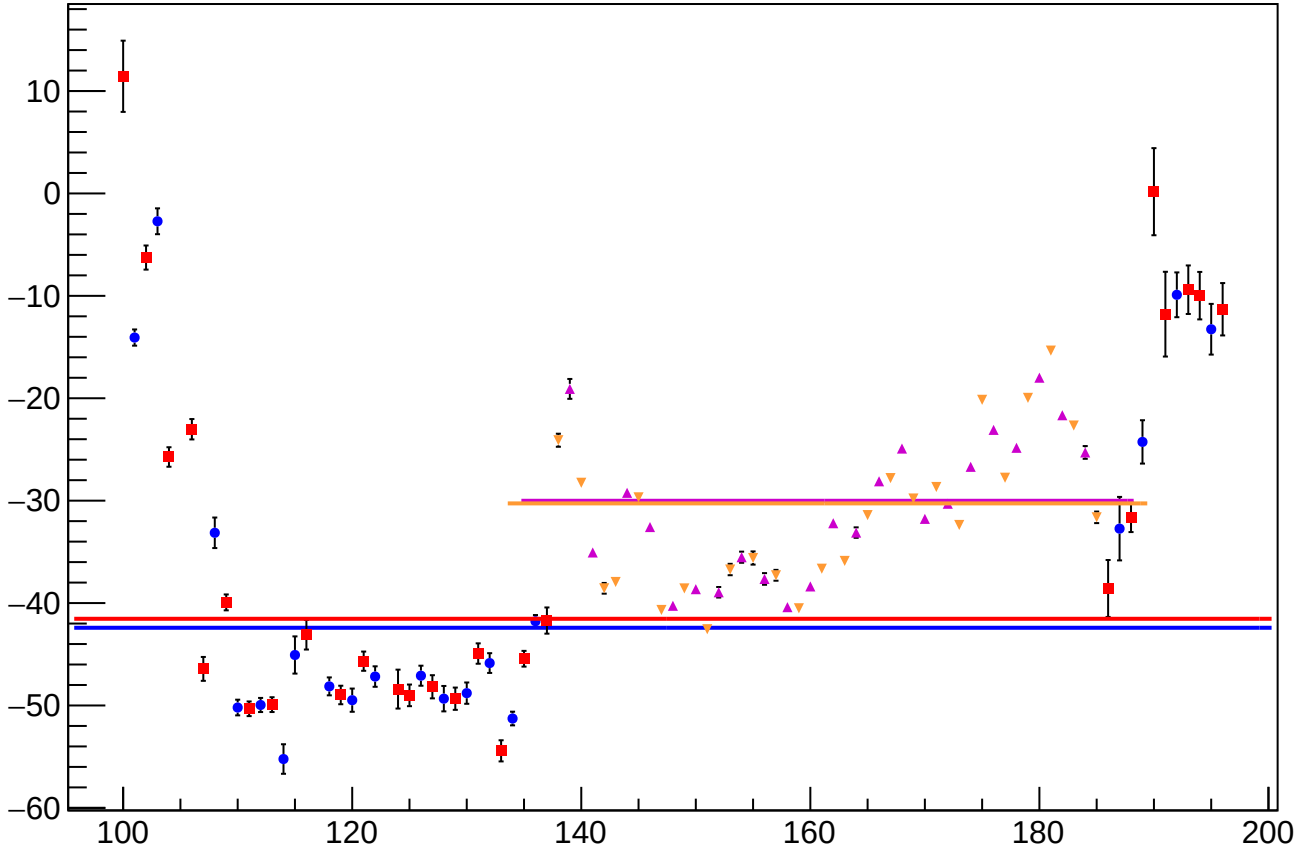
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.677+/-0.083 χ^2/NDF: 27466.1/44

All: 31.766+/-0.059 χ^2/NDF: 52635.1/93

- sign 31.857+/-0.083 χ^2/NDF: 25166.6/48

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -42.412+/-0.225 χ^2/NDF: 3442.5/19

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.534+/-0.222 χ^2/NDF: 3193.1/25

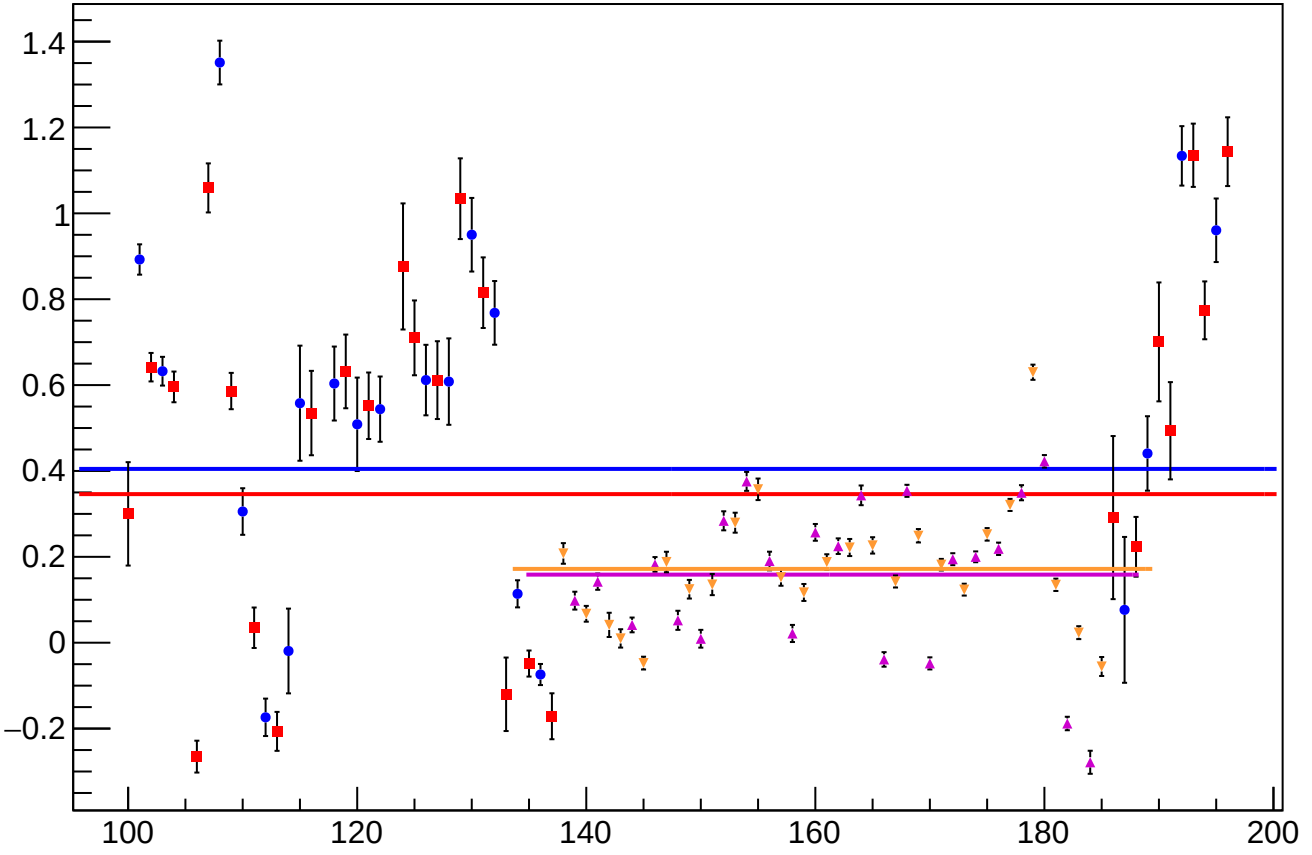
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.606+/-0.075 χ^2/NDF: 14529.5/44

All: -31.493+/-0.053 χ^2/NDF: 26187.2/93

- sign -31.376+/-0.076 χ^2/NDF: 11653.1/48

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.405+/-0.012 χ^2/NDF: 1501.2/19

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.346+/-0.011 χ^2/NDF: 1484.7/25

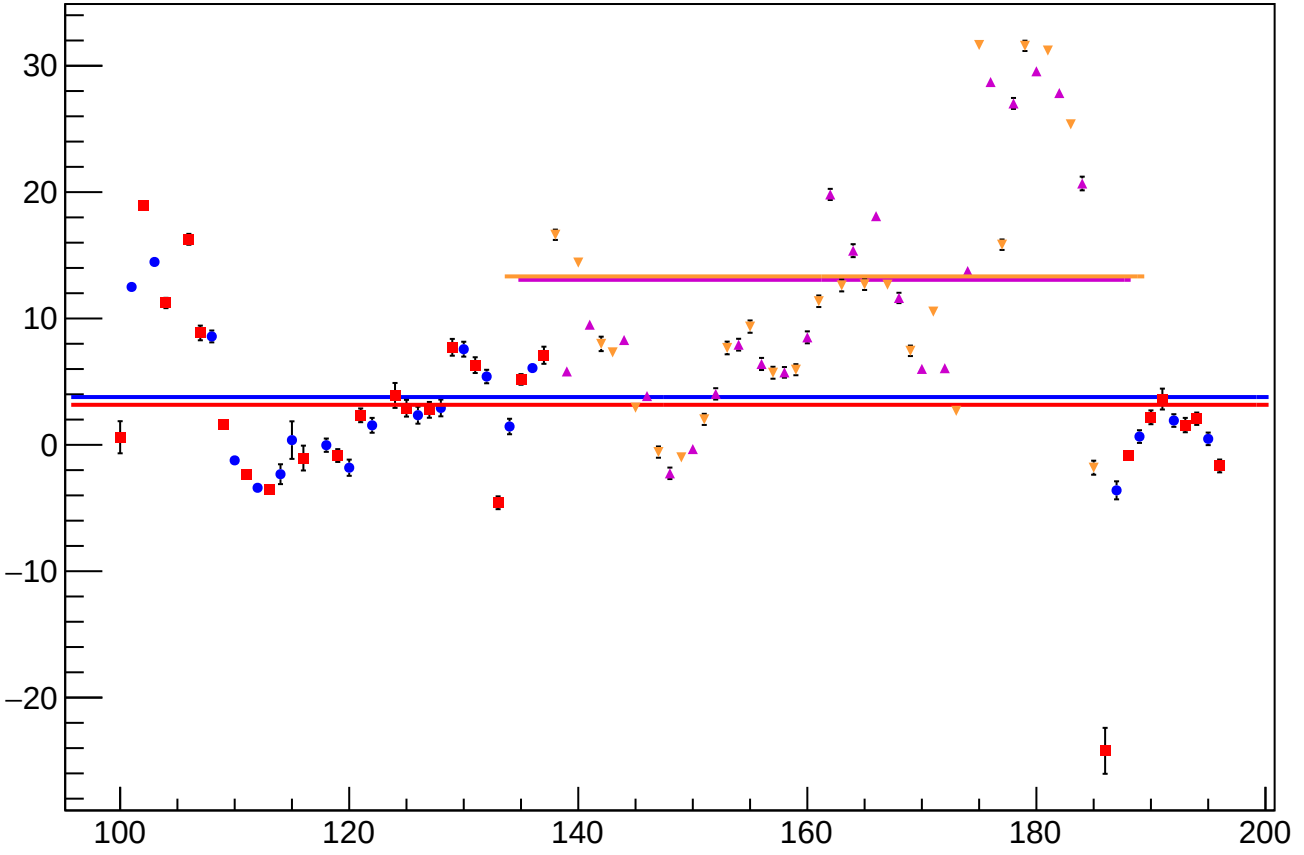
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.192+/-0.003 χ^2/NDF: 3363.9/44

All: 0.184+/-0.002 χ^2/NDF: 7293.4/93

- sign 0.176+/-0.003 χ^2/NDF: 3919.3/48

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.783+/-0.107 χ^2/NDF: 2856.8/19

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.169+/-0.093 χ^2/NDF: 4898.0/25

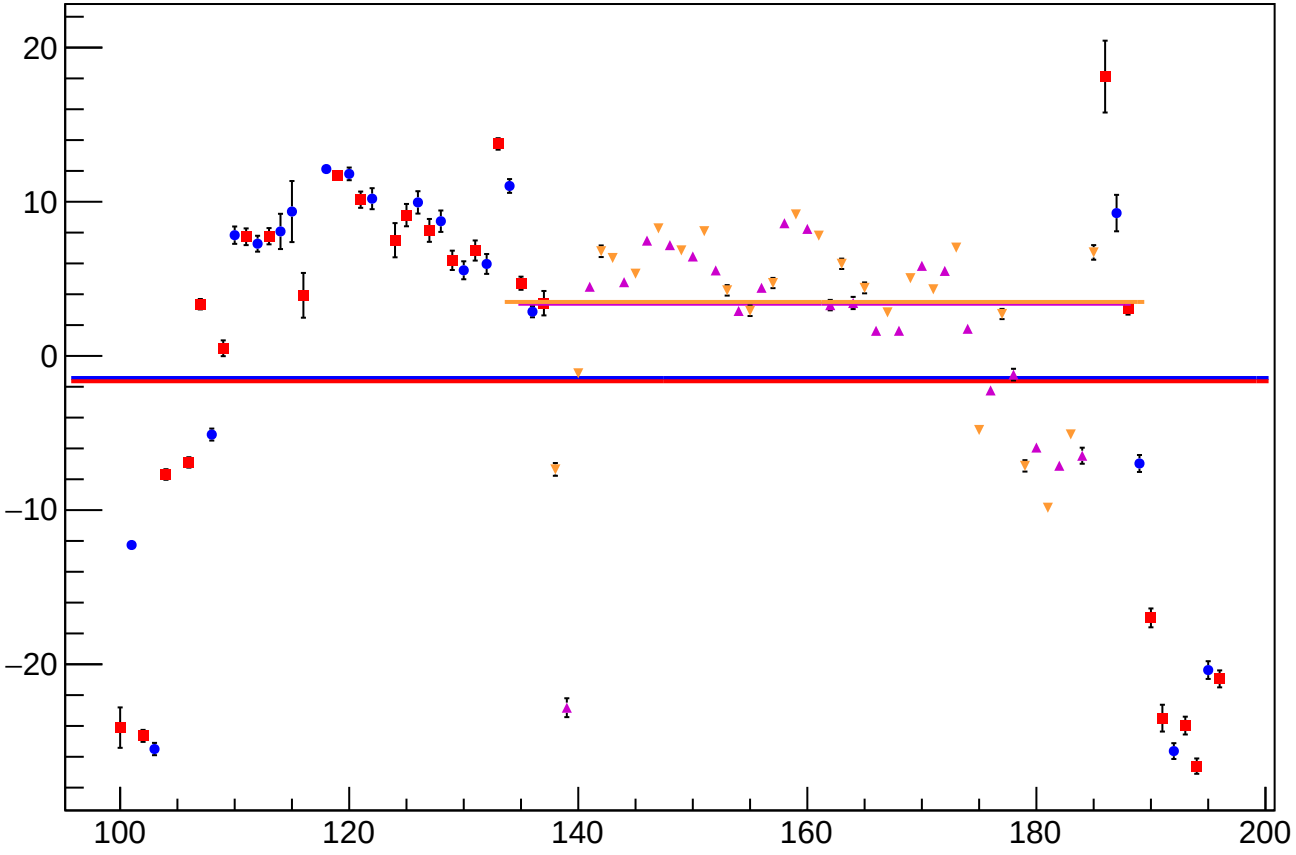
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.093+/-0.062 χ^2/NDF: 27535.0/44

All: 9.479+/-0.043 χ^2/NDF: 54717.1/93

- sign 8.904+/-0.060 χ^2/NDF: 26994.6/48

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -1.433+/-0.108 χ^2/NDF: 14287.7/19

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -1.643+/-0.099 χ^2/NDF: 16853.6/25

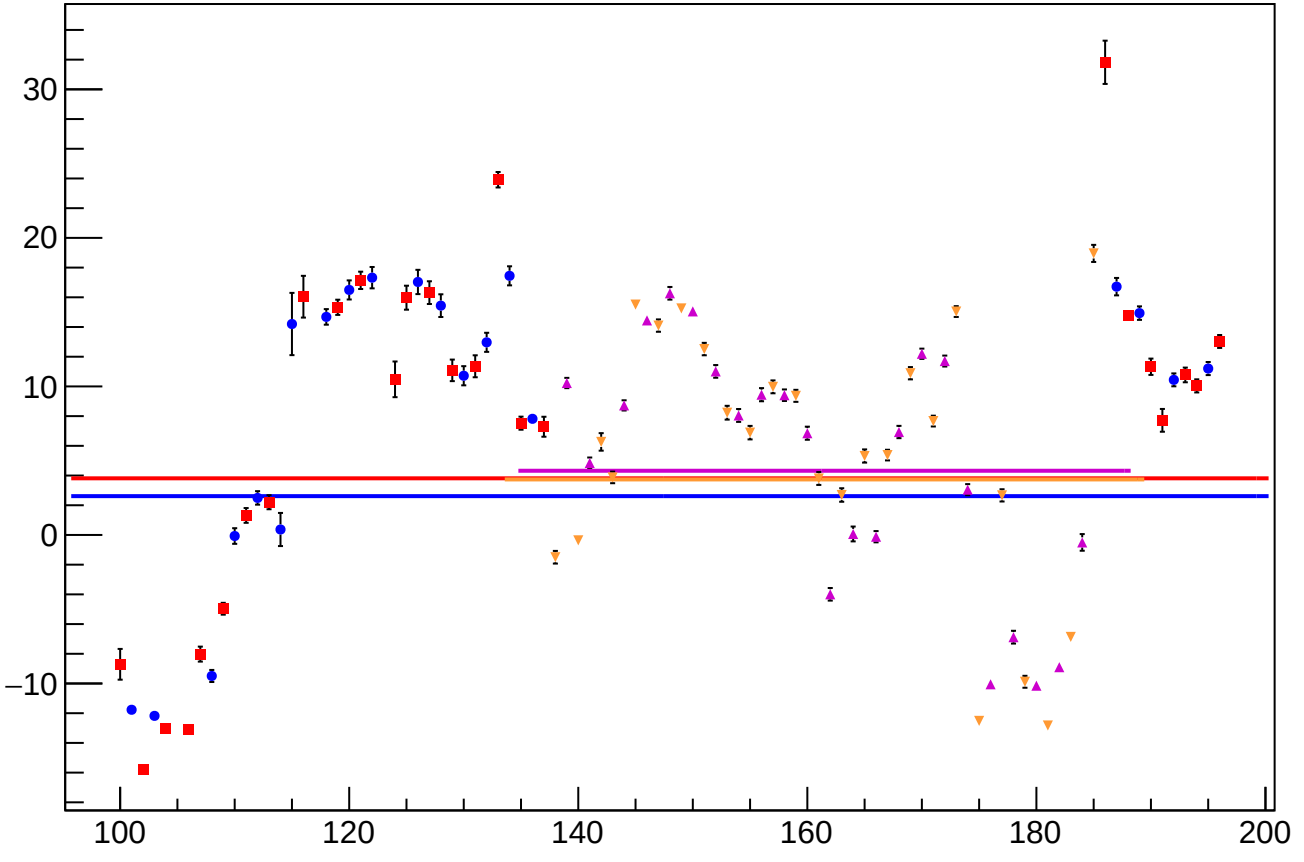
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.386+/-0.052 χ^2/NDF: 23805.7/44

All: 2.192+/-0.037 χ^2/NDF: 49272.0/93

- sign 1.996+/-0.052 χ^2/NDF: 25437.8/48

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 2.613+/-0.106 χ^2/NDF: 11782.7/19

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 3.813+/-0.092 χ^2/NDF: 18428.2/25

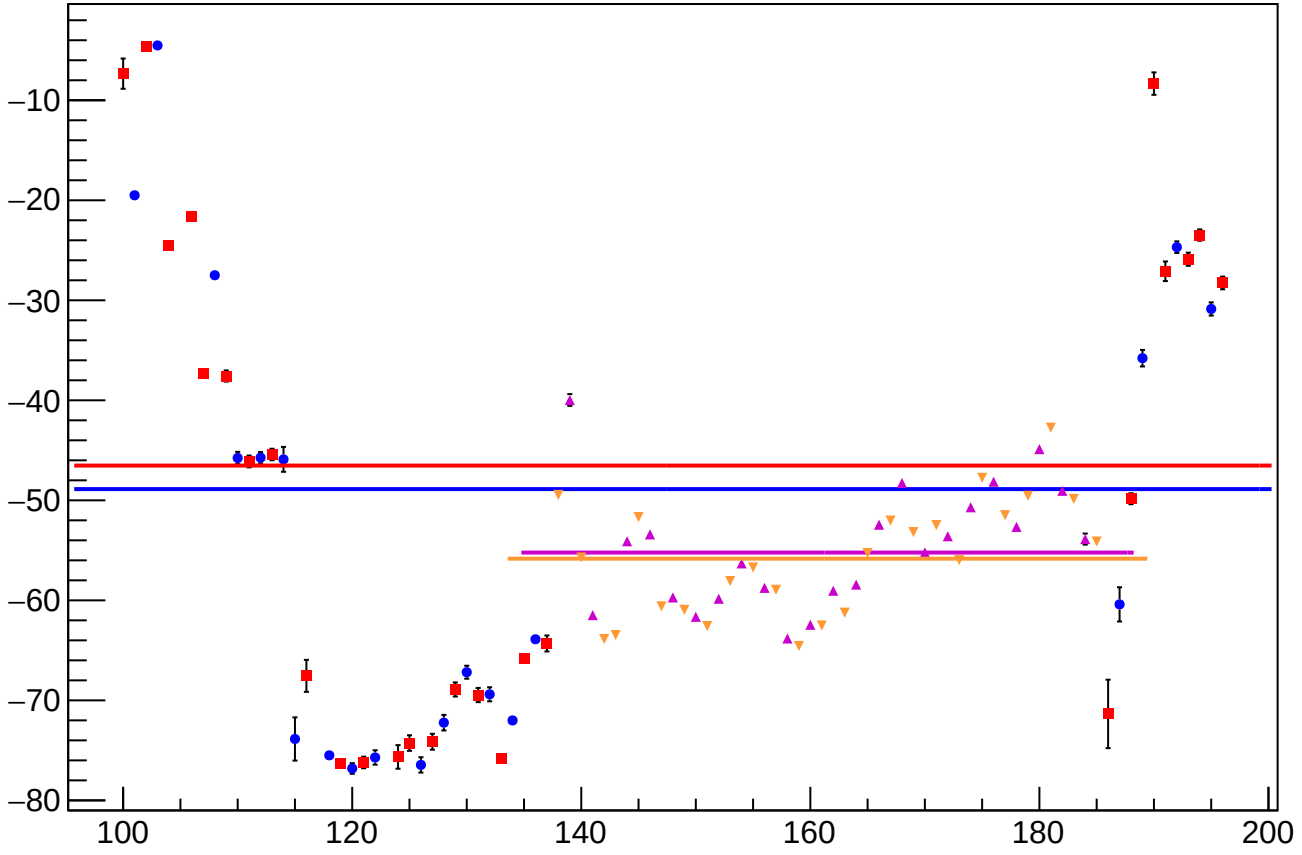
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.355+/-0.062 χ^2/NDF: 27443.1/44

All: 3.745+/-0.043 χ^2/NDF: 58448.6/93

- sign 4.107+/-0.060 χ^2/NDF: 30929.3/48

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -48.877+/-0.128 χ^2/NDF: 36849.3/19

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

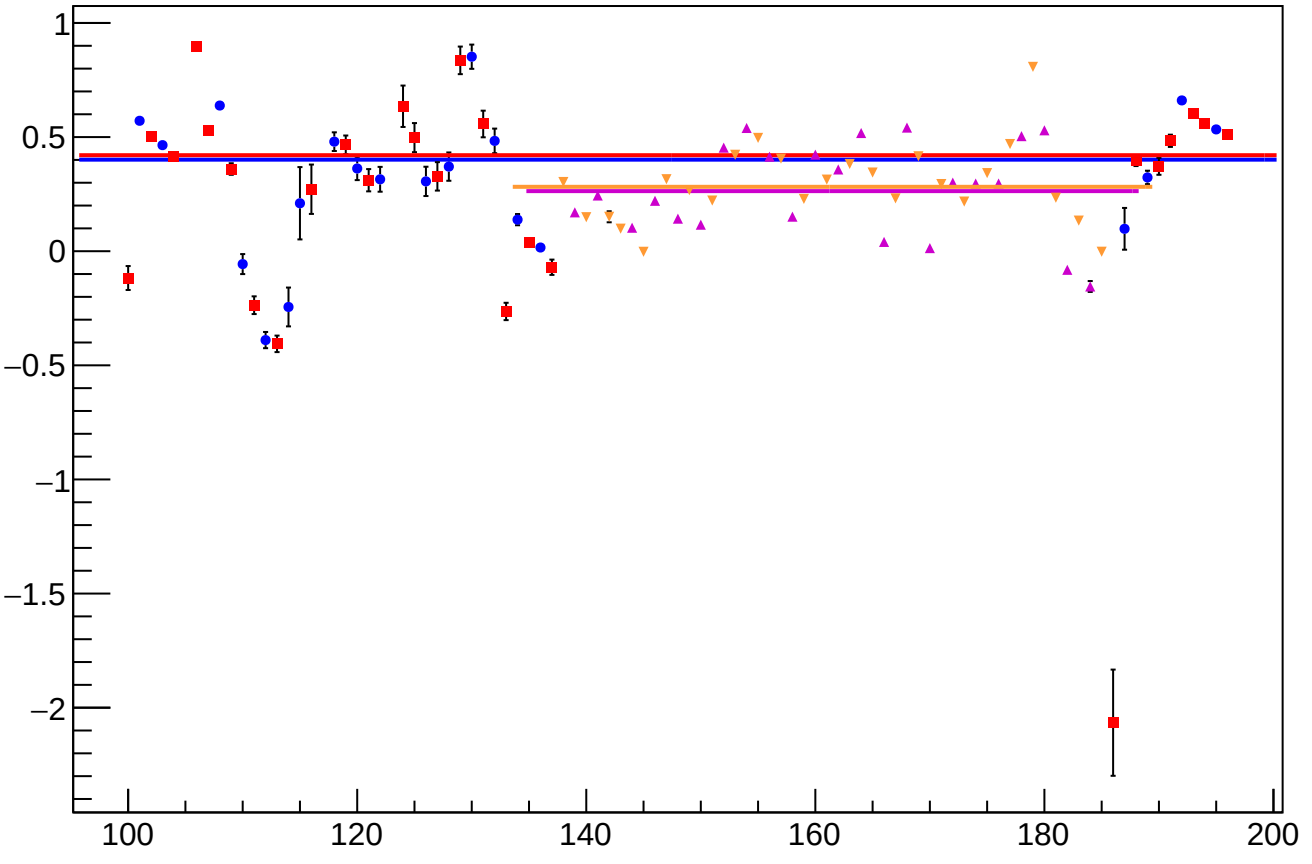
Right Out: -46.524+/-0.118 χ^2/NDF: 39706.9/25

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.354+/-0.059 χ^2/NDF: 46777.4/44

All: -53.694+/-0.042 χ^2/NDF: 97135.0/93

- sign -53.022+/-0.059 χ^2/NDF: 50103.9/48



Right In: 0.401+/-0.006 χ^2/NDF: 2163.8/19

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.421+/-0.005 χ^2/NDF: 3136.1/25

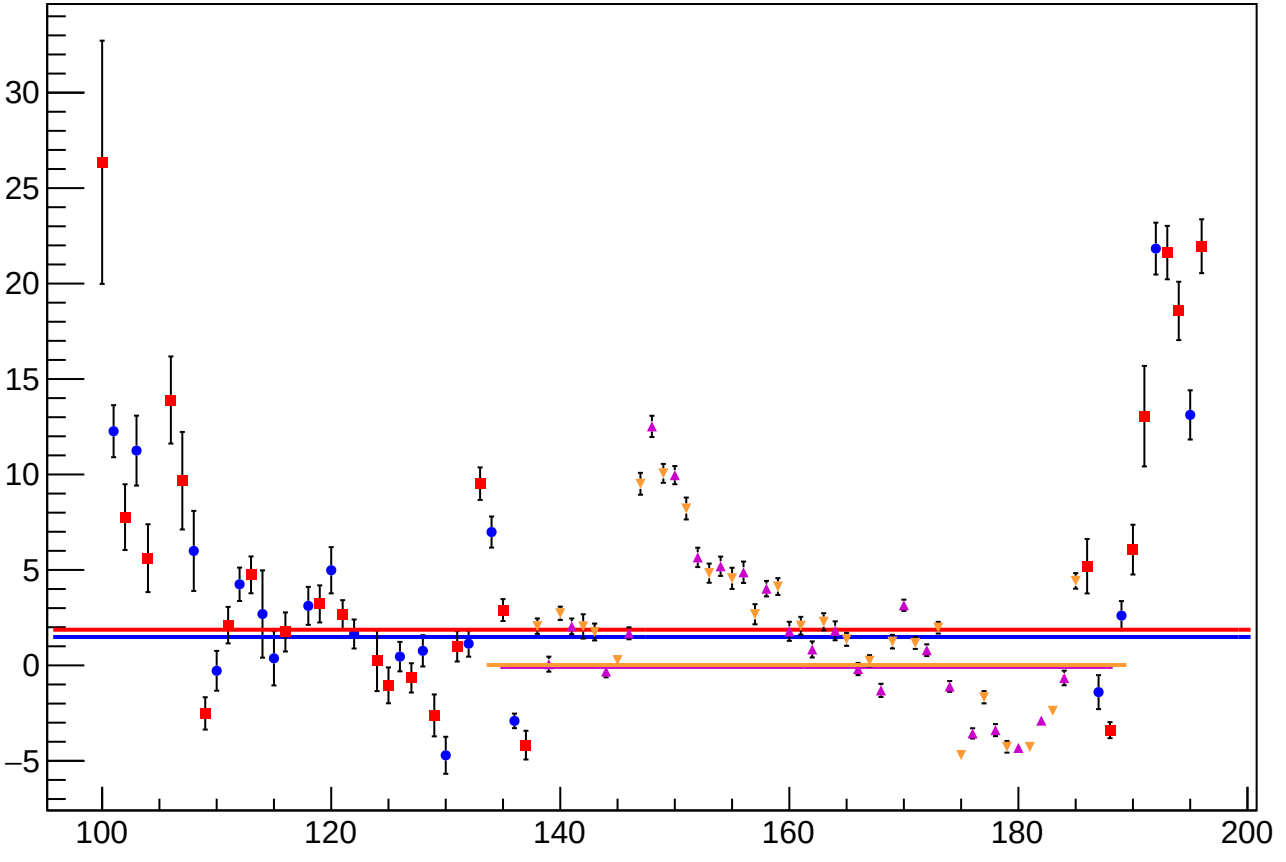
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.308+/-0.003 χ^2/NDF: 5225.1/44

All: 0.307+/-0.002 χ^2/NDF: 12911.9/93

- sign 0.305+/-0.003 χ^2/NDF: 7686.1/48

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.487+/-0.195 χ^2/NDF: 660.3/19

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.869+/-0.187 χ^2/NDF: 1007.0/25

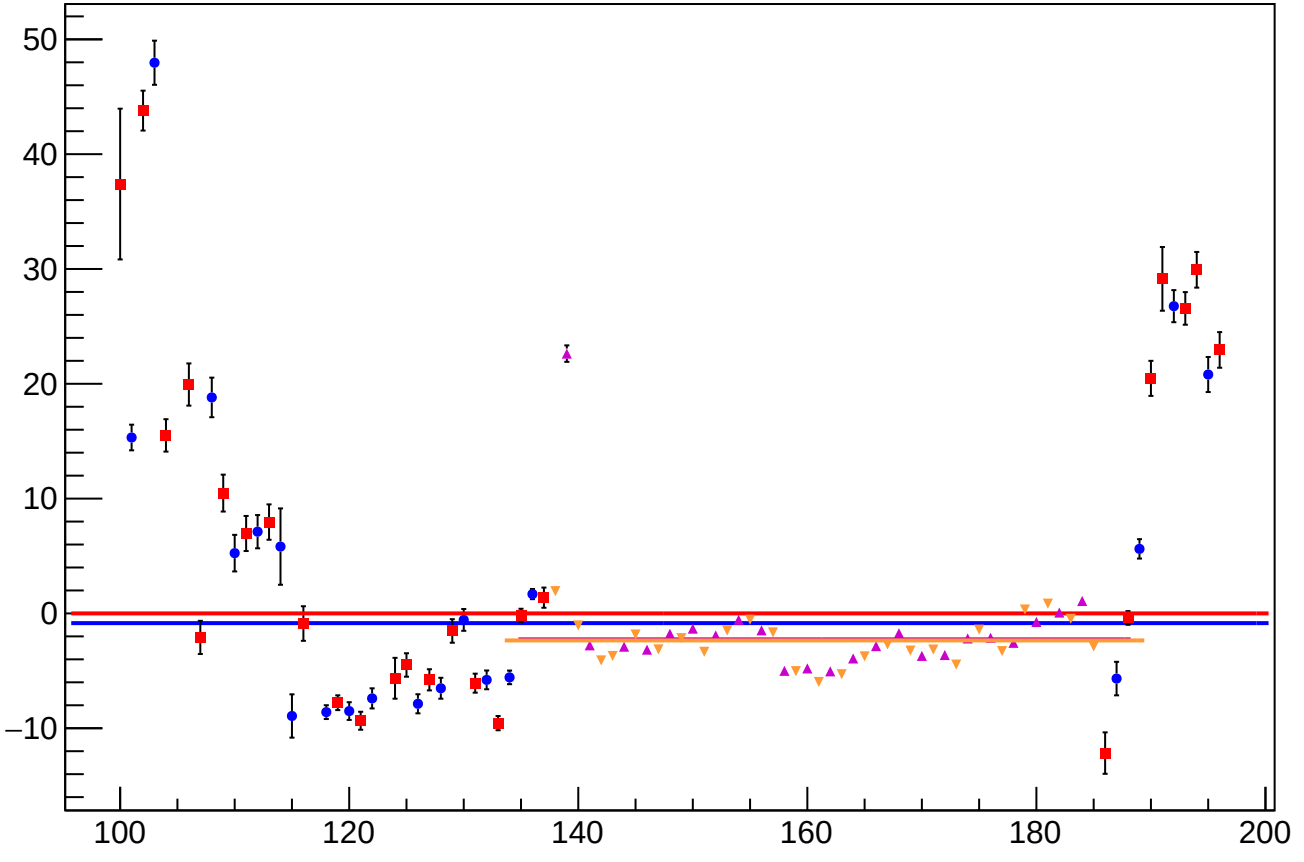
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.183+/-0.065 χ^2/NDF: 3469.9/44

All: 0.173+/-0.046 χ^2/NDF: 7036.2/93

- sign 0.163+/-0.066 χ^2/NDF: 3566.2/48

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -0.846+/-0.203 χ^2/NDF: 2275.5/19

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.001+/-0.204 χ^2/NDF: 2926.8/25

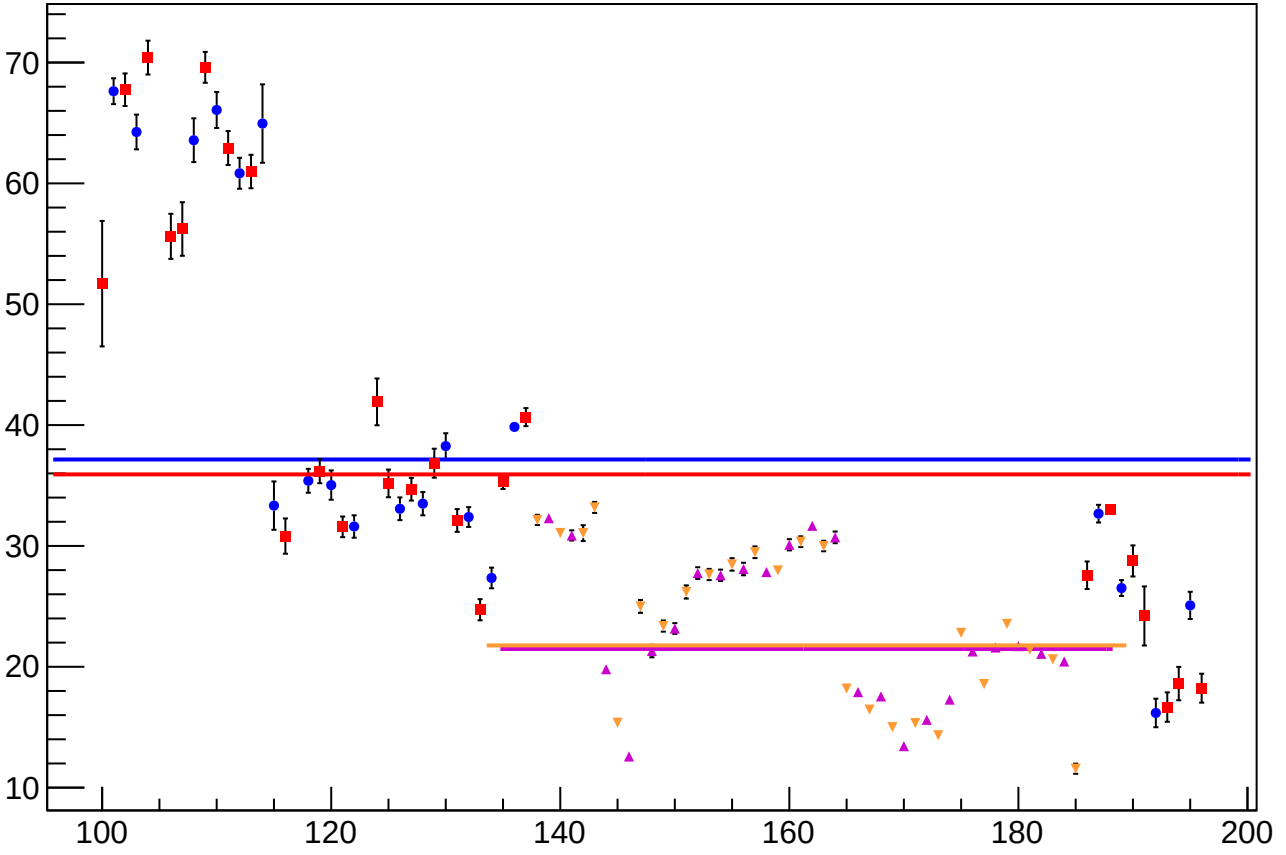
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

\+ sign -2.248+/-0.053 χ^2/NDF: 3452.7/44

All: -2.174+/-0.038 χ^2/NDF: 8374.8/93

\- sign -2.096+/-0.054 χ^2/NDF: 4918.1/48

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 37.153+/-0.203 χ^2/NDF: 3197.1/19

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

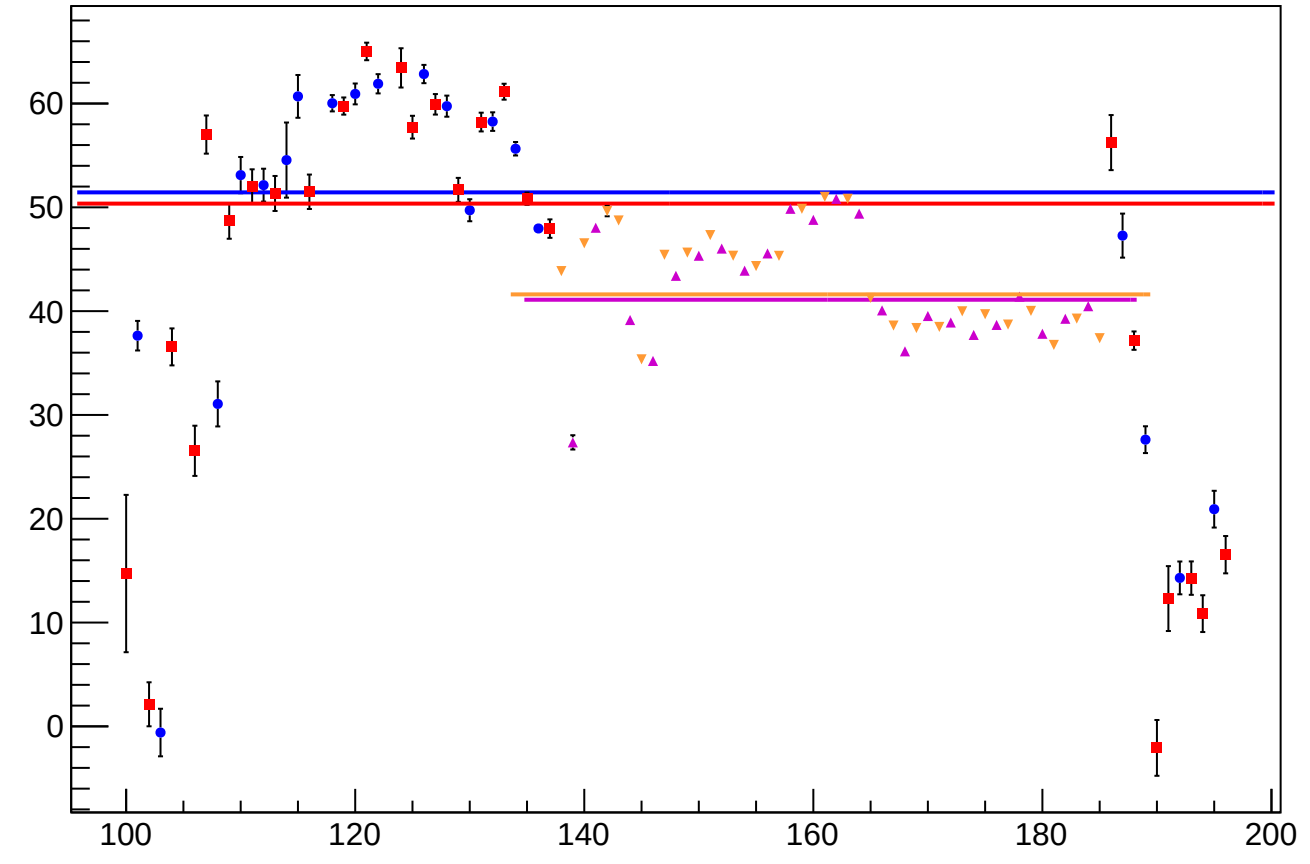
Right Out: 35.919+/-0.189 χ^2/NDF: 3840.7/25

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

\+ sign 23.361+/-0.065 χ^2/NDF: 15178.5/44

All: 23.305+/-0.046 χ^2/NDF: 29955.1/93

\- sign 23.248+/-0.066 χ^2/NDF: 14775.1/48



Right In: 51.441+/-0.229 χ^2/NDF: 2646.6/19

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

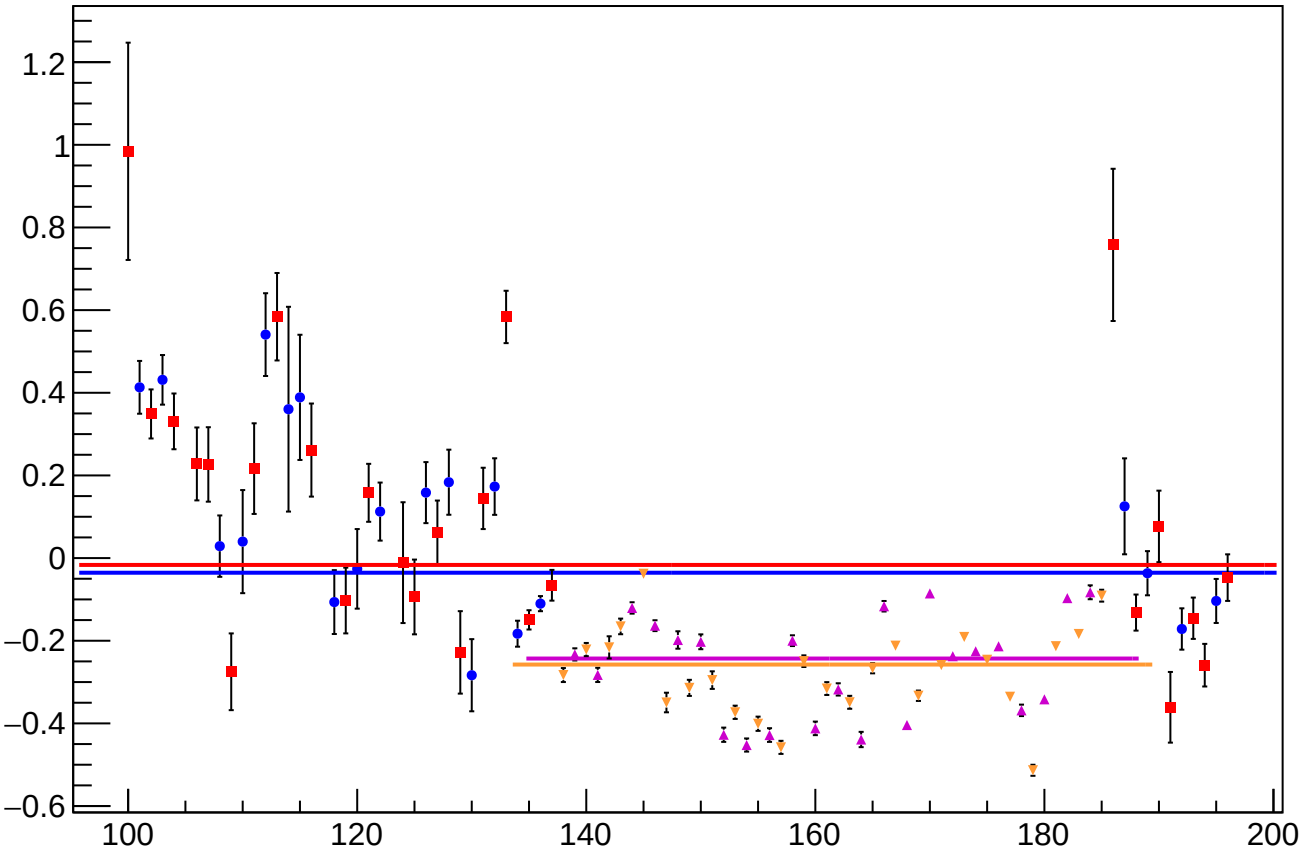
Right Out: 50.358+/-0.236 χ^2/NDF: 3721.1/25

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.268+/-0.059 χ^2/NDF: 10139.5/44

All: 41.994+/-0.042 χ^2/NDF: 20818.1/93

- sign 41.706+/-0.061 χ^2/NDF: 10634.6/48



Right In: -0.035+/-0.012 χ^2/NDF: 241.4/19

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

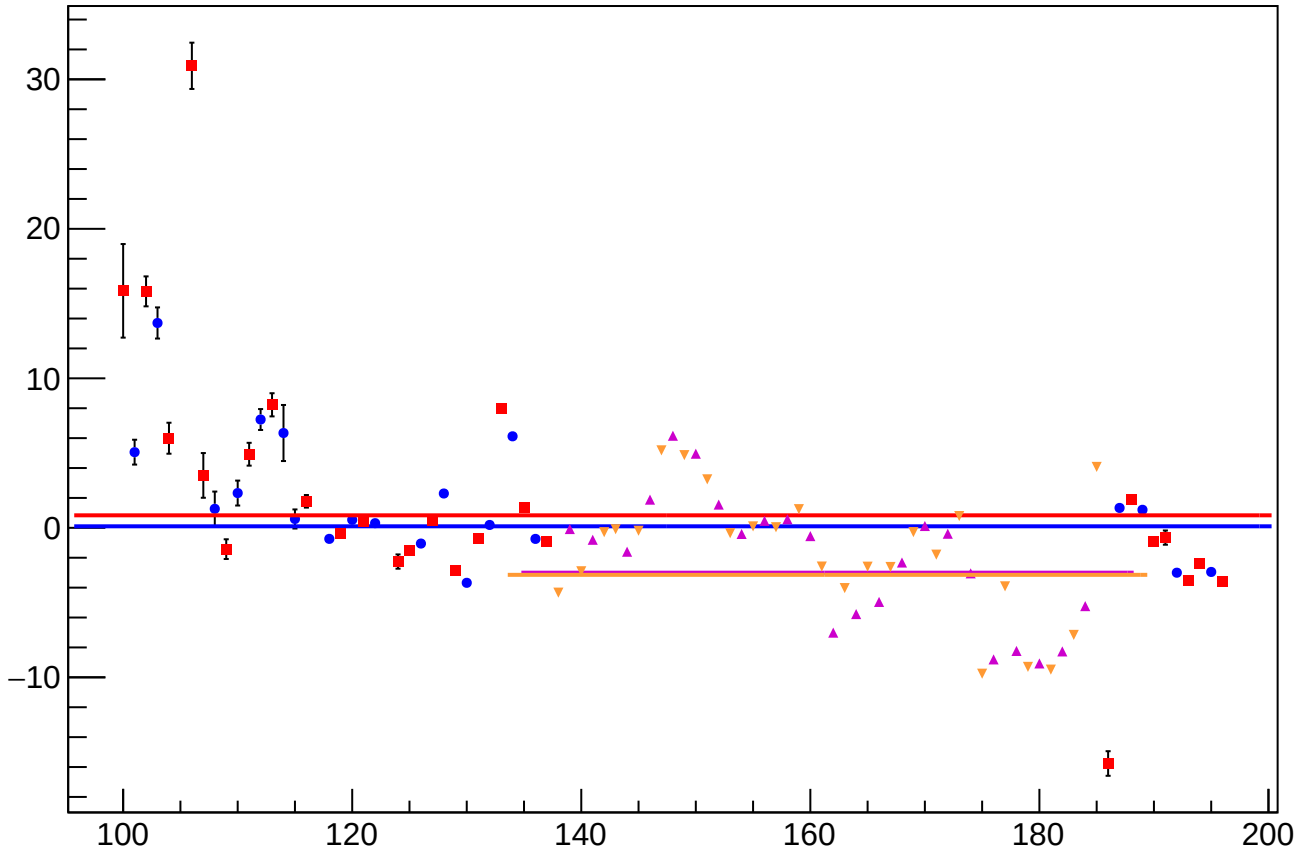
Right Out: -0.017+/-0.012 χ^2/NDF: 357.8/25

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.246+/-0.003 χ^2/NDF: 2097.4/44

All: -0.239+/-0.002 χ^2/NDF: 4615.2/93

- sign -0.232+/-0.003 χ^2/NDF: 2503.0/48



Right In: 0.102+/-0.067 χ^2/NDF: 1398.1/19

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.837+/-0.059 χ^2/NDF: 3580.2/25

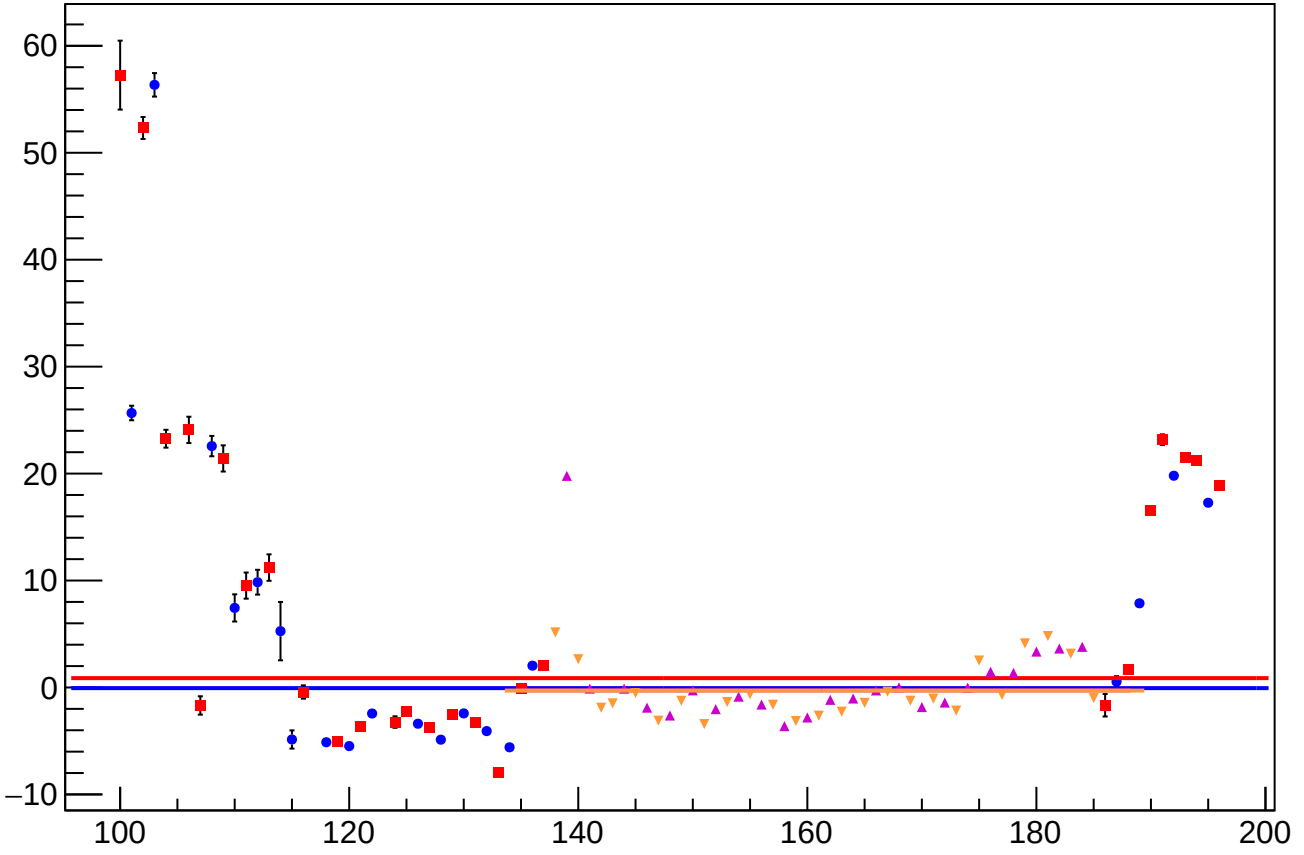
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.671+/-0.026 χ^2/NDF: 28754.9/44

All: -2.478+/-0.018 χ^2/NDF: 58263.7/93

- sign -2.283+/-0.026 χ^2/NDF: 29394.6/48

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -0.061+/-0.065 χ^2/NDF: 17167.1/19

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 0.874+/-0.060 χ^2/NDF: 27429.2/25

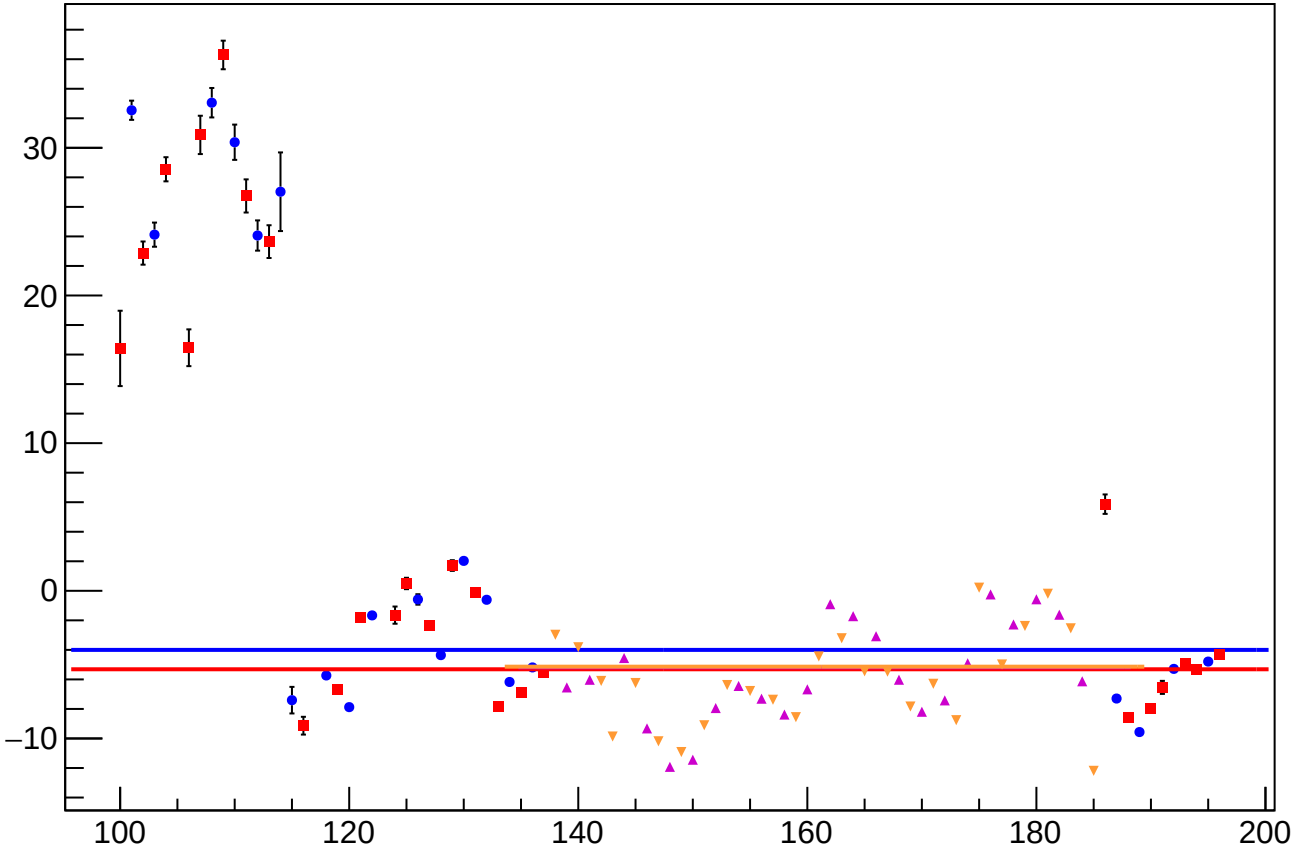
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.265+/-0.021 χ^2/NDF: 29376.4/44

All: -0.199+/-0.015 χ^2/NDF: 70365.6/93

- sign -0.133+/-0.021 χ^2/NDF: 40969.0/48

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.001+/-0.068 χ^2/NDF: 9322.3/19

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.314+/-0.057 χ^2/NDF: 10477.0/25

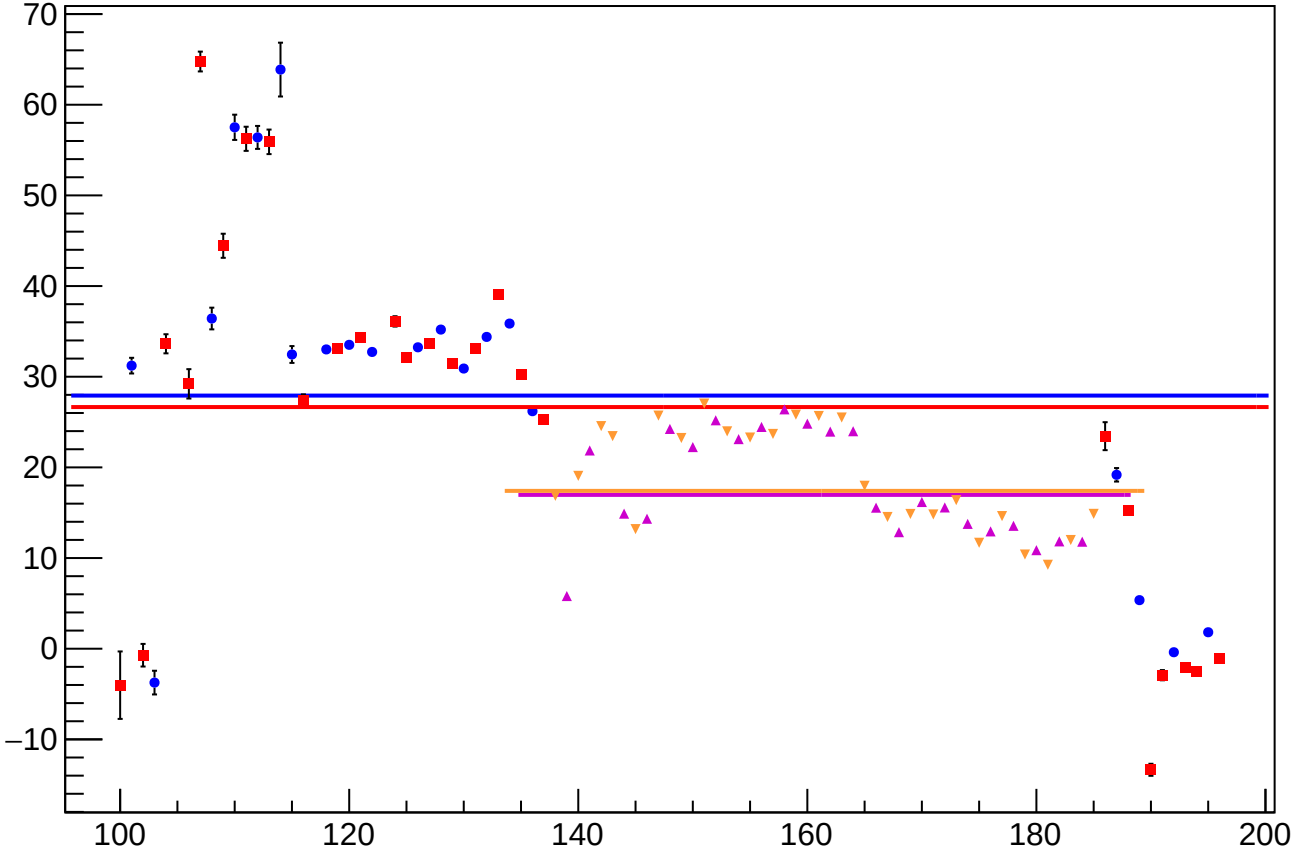
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.976+/-0.026 χ^2/NDF: 24187.5/44

All: -5.091+/-0.018 χ^2/NDF: 48672.8/93

- sign -5.204+/-0.025 χ^2/NDF: 24445.3/48

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 27.919+/-0.075 χ^2/NDF: 21914.6/19

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 26.654+/-0.071 χ^2/NDF: 40859.4/25

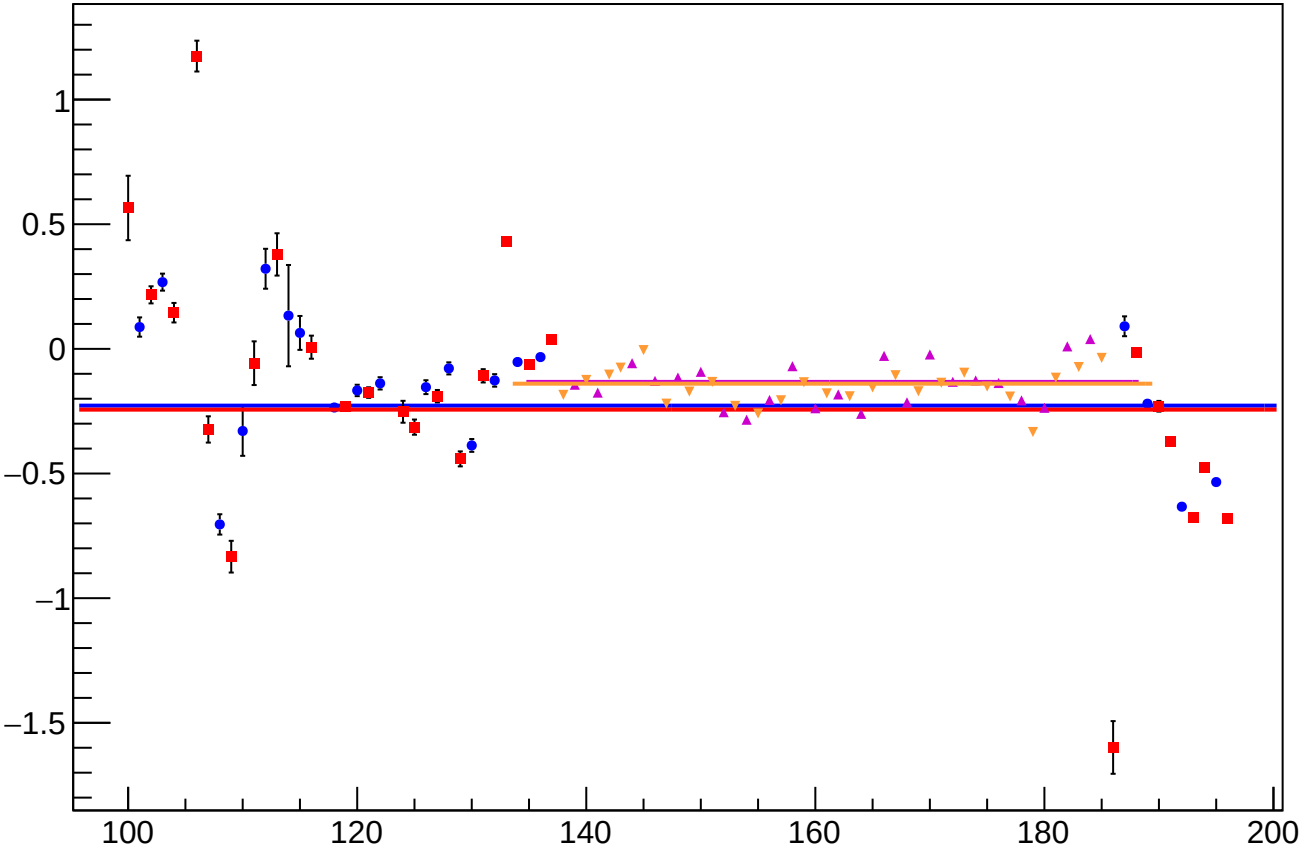
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.412+/-0.023 χ^2/NDF: 90178.0/44

All: 18.223+/-0.017 χ^2/NDF: 187534.1/93

\- sign 18.028+/-0.024 χ^2/NDF: 97221.6/48

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.228+/-0.004 χ^2/NDF: 4037.1/19

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.244+/-0.004 χ^2/NDF: 8317.4/25

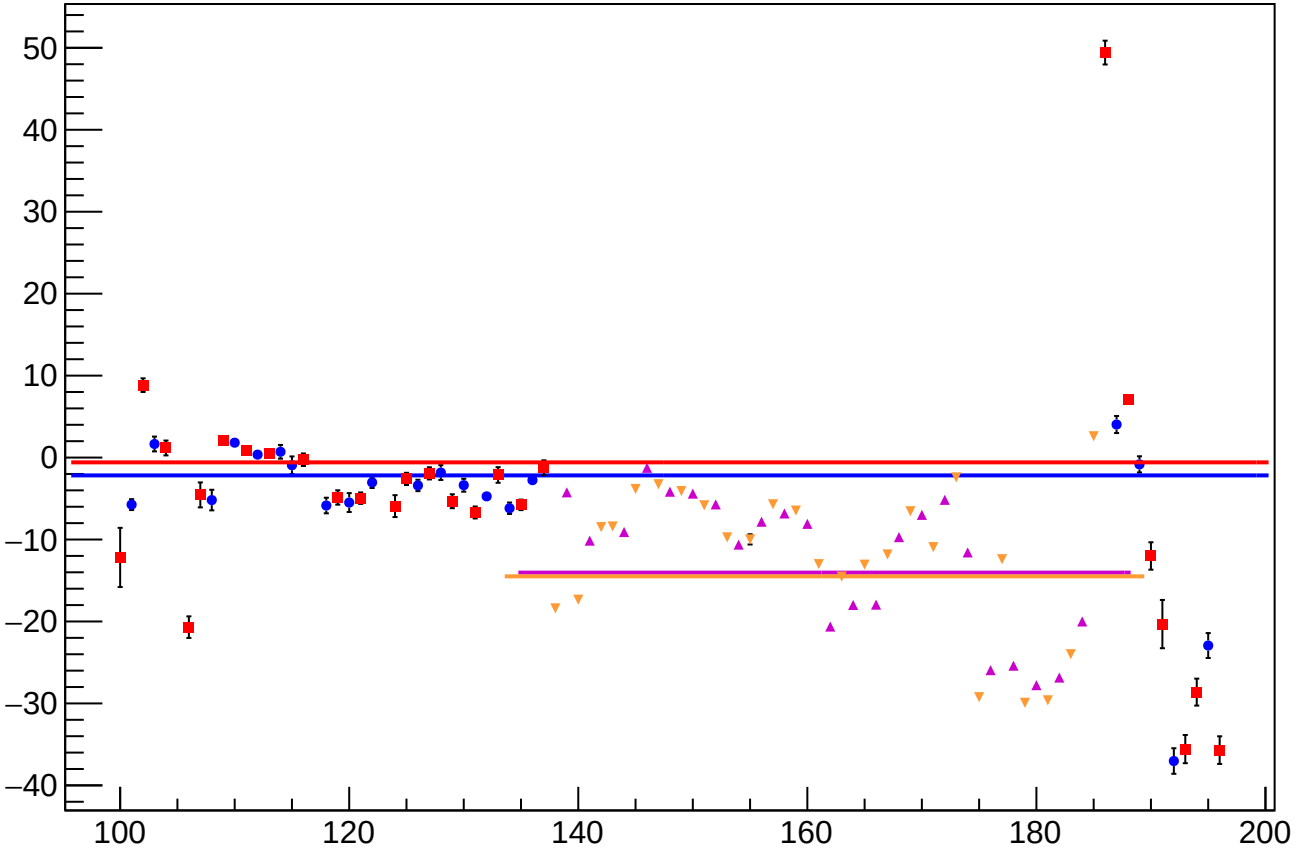
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.146+/-0.001 χ^2/NDF: 8620.1/44

All: -0.144+/-0.001 χ^2/NDF: 23358.1/93

- sign -0.142+/-0.001 χ^2/NDF: 14731.6/48

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.176+/-0.152 χ^2/NDF: 1028.0/19

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.585+/-0.140 χ^2/NDF: 3355.8/25

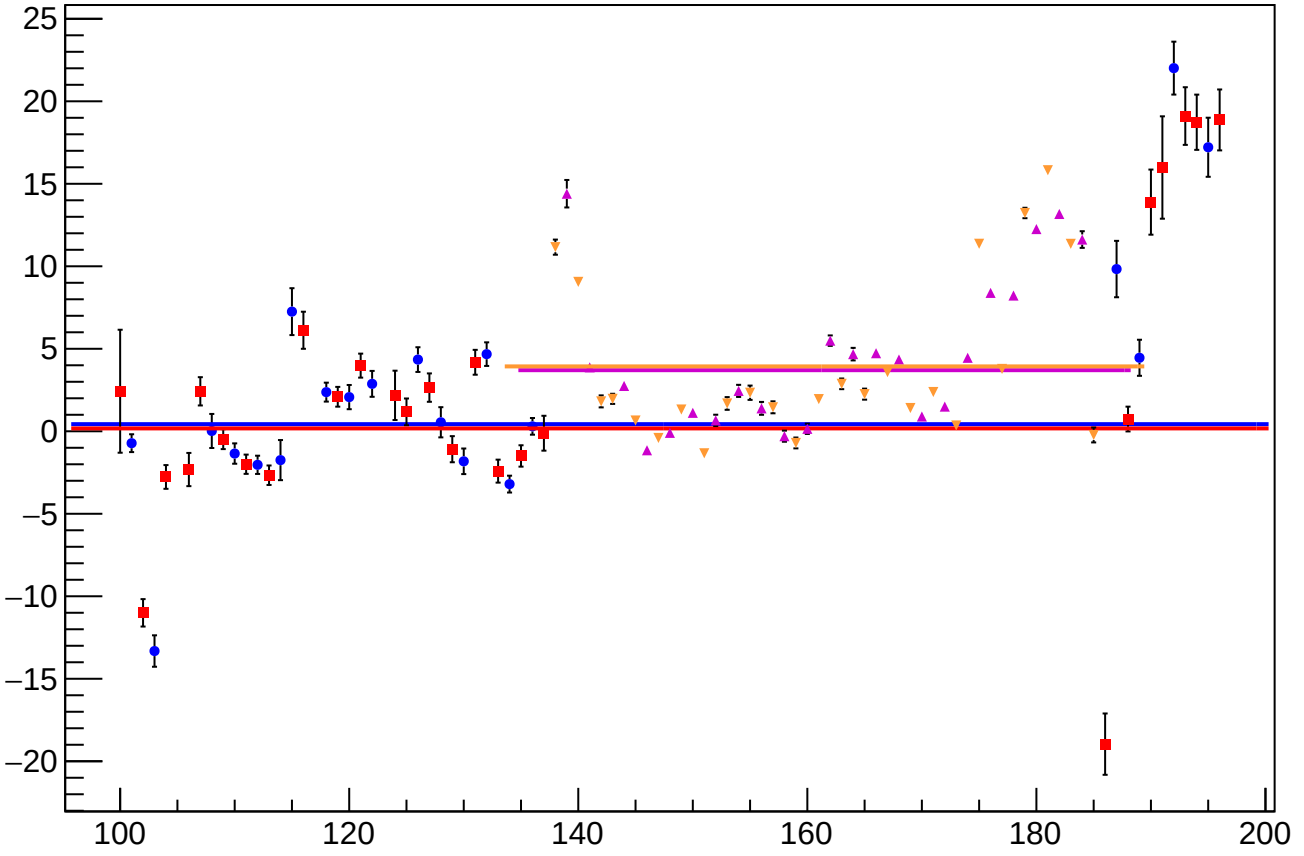
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.094+/-0.067 χ^2/NDF: 23549.9/44

All: -11.512+/-0.048 χ^2/NDF: 47635.4/93

- sign -10.926+/-0.067 χ^2/NDF: 23934.4/48

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.431+/-0.168 χ^2/NDF: 728.2/19

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.174+/-0.168 χ^2/NDF: 901.4/25

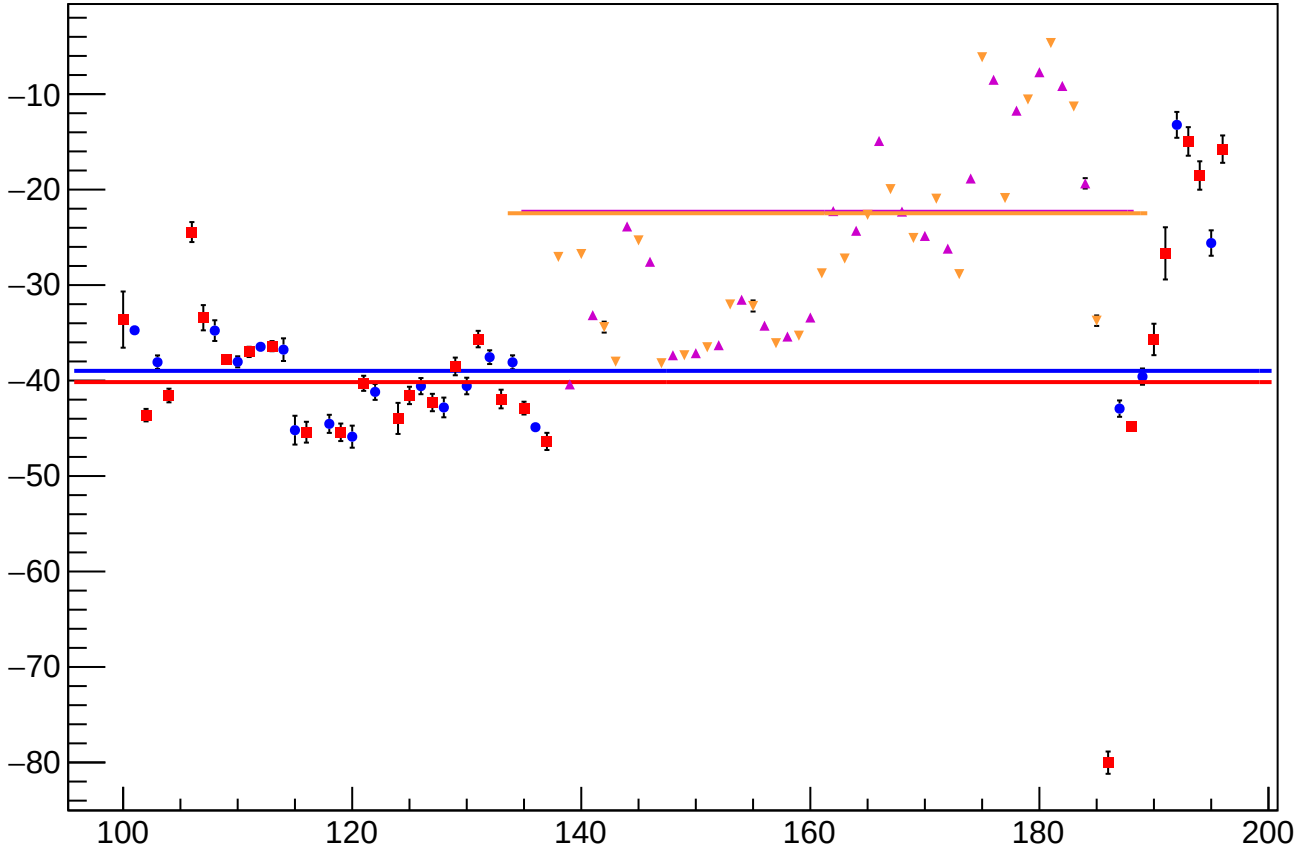
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.561+/-0.055 χ^2/NDF: 8094.1/44

All: 3.440+/-0.039 χ^2/NDF: 14184.7/93

\- sign 3.314+/-0.056 χ^2/NDF: 6080.6/48

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.985+/-0.170 χ^2/NDF: 901.1/19

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.162+/-0.161 χ^2/NDF: 2665.4/25

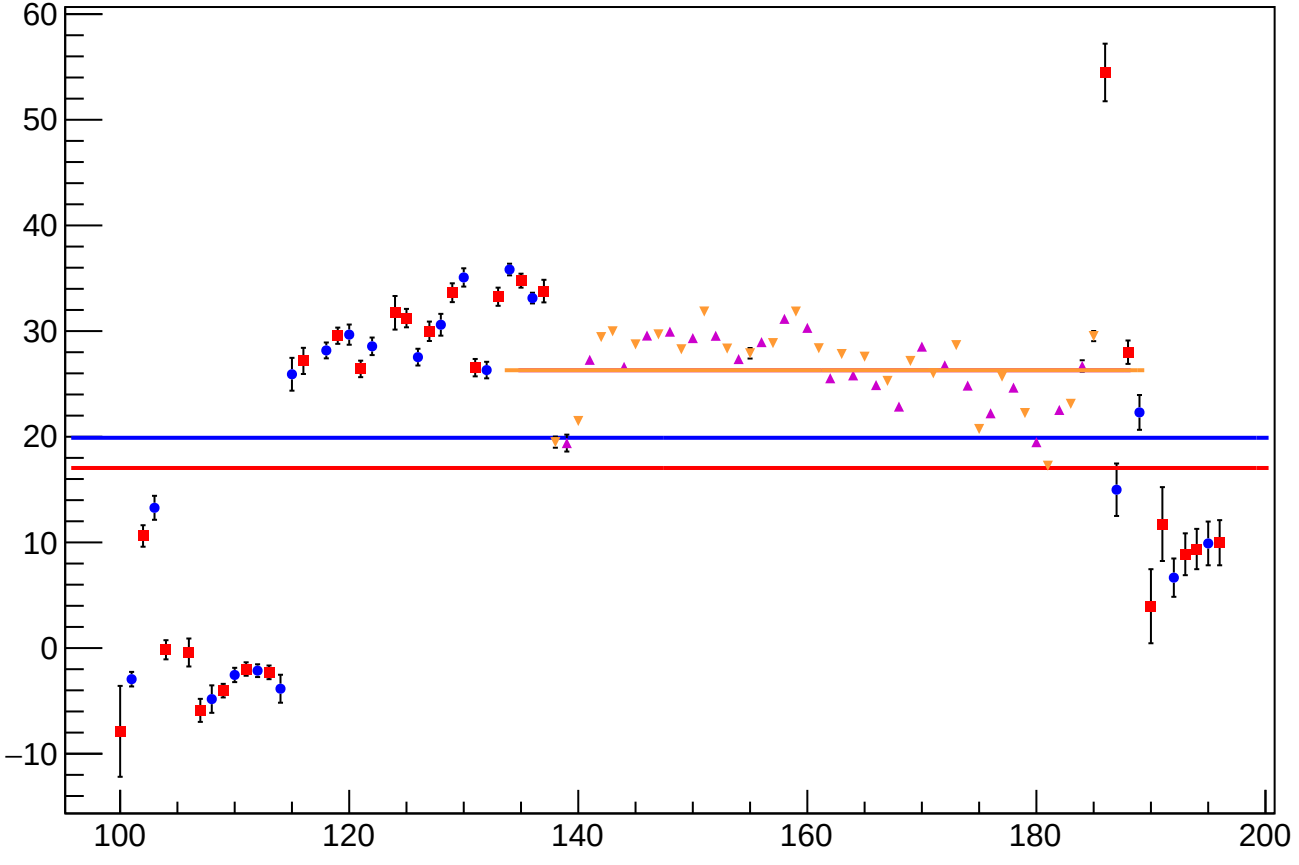
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.157+/-0.068 χ^2/NDF: 29226.5/44

All: -25.383+/-0.049 χ^2/NDF: 59063.3/93

\- sign -25.614+/-0.069 χ^2/NDF: 29814.7/48

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.902+/-0.191 χ^2/NDF: 6768.7/19

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.044+/-0.193 χ^2/NDF: 7087.9/25

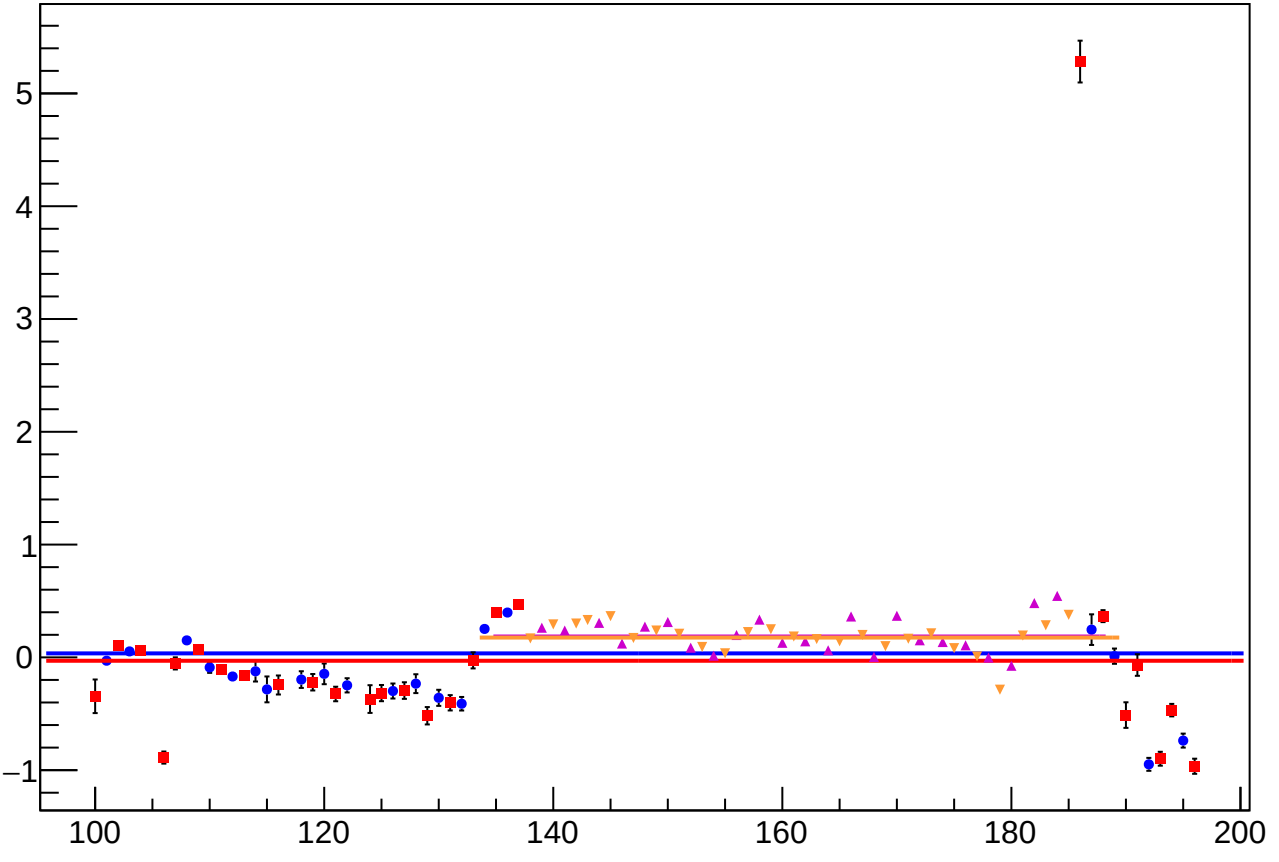
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.630+/-0.062 χ^2/NDF: 11081.6/44

All: 25.471+/-0.044 χ^2/NDF: 22426.6/93

- sign 25.304+/-0.063 χ^2/NDF: 11331.4/48

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.035+/-0.010 χ^2/NDF: 1042.2/19

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.010 χ^2/NDF: 2199.7/25

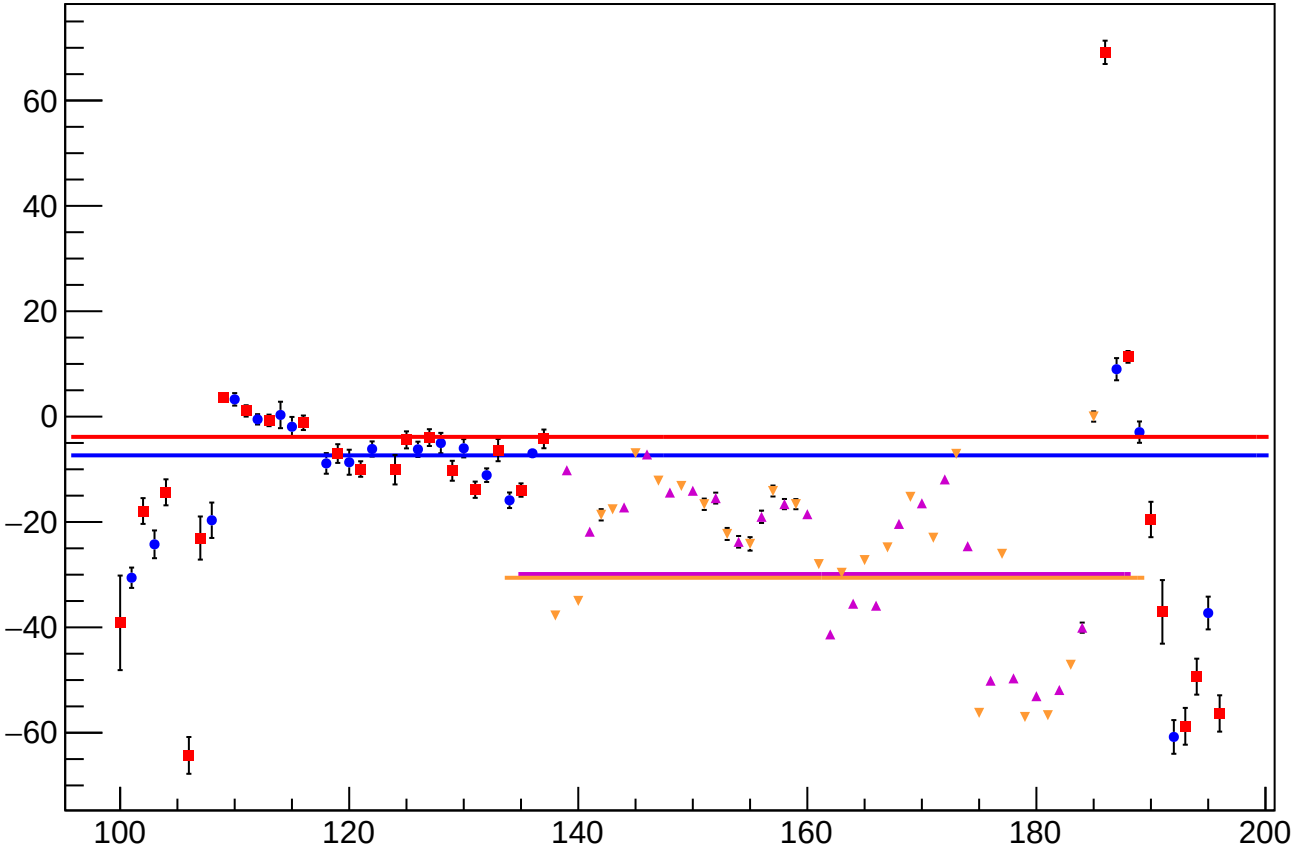
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.165+/-0.003 χ^2/NDF: 3160.0/44

All: 0.166+/-0.002 χ^2/NDF: 8309.0/93

- sign 0.168+/-0.003 χ^2/NDF: 5148.2/48

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -7.354+/-0.359 χ^2/NDF: 829.1/19

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.845+/-0.339 χ^2/NDF: 2607.5/25

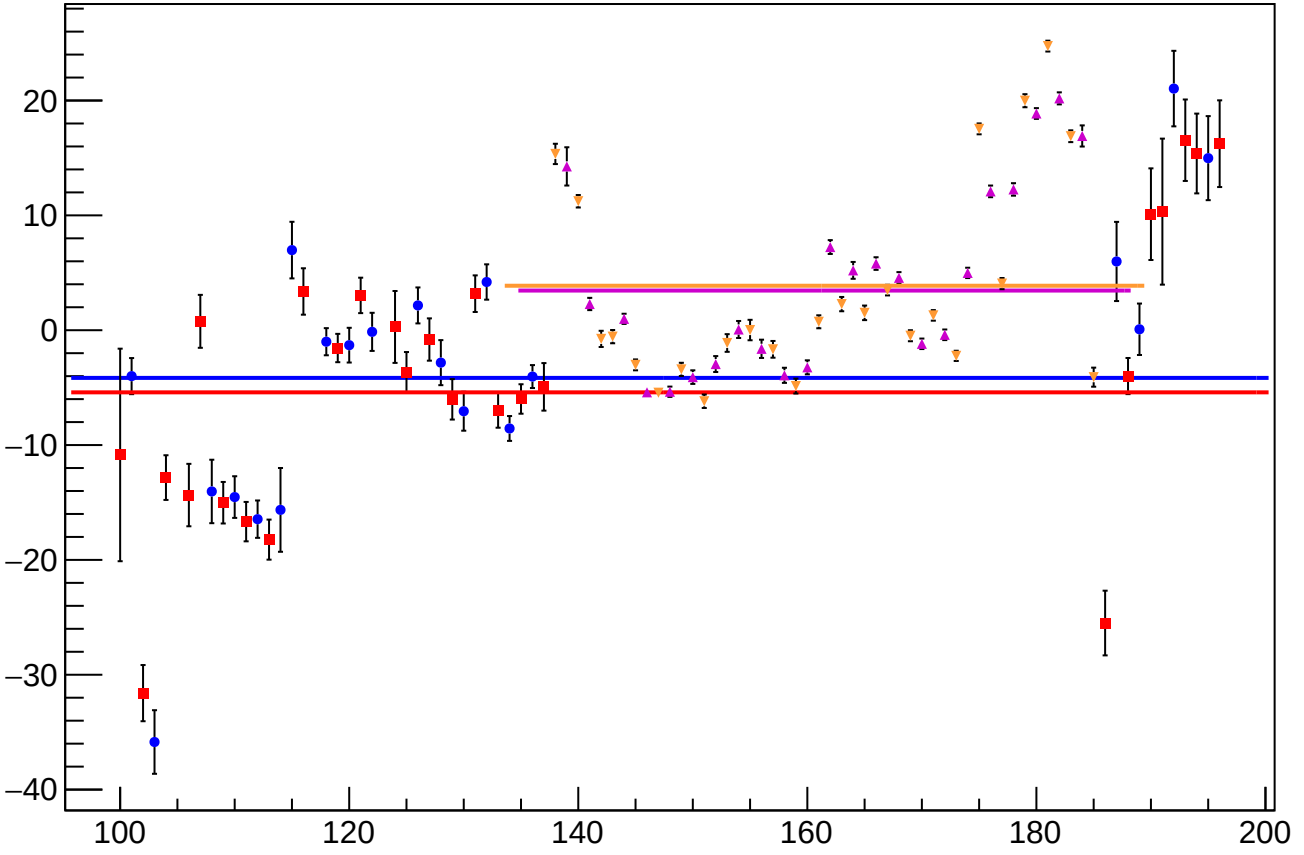
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.439+/-0.132 χ^2/NDF: 20495.6/44

All: -26.625+/-0.094 χ^2/NDF: 40197.8/93

- sign -25.786+/-0.134 χ^2/NDF: 19625.2/48

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.152+/-0.382 χ^2/NDF: 444.6/19

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.411+/-0.389 χ^2/NDF: 552.4/25

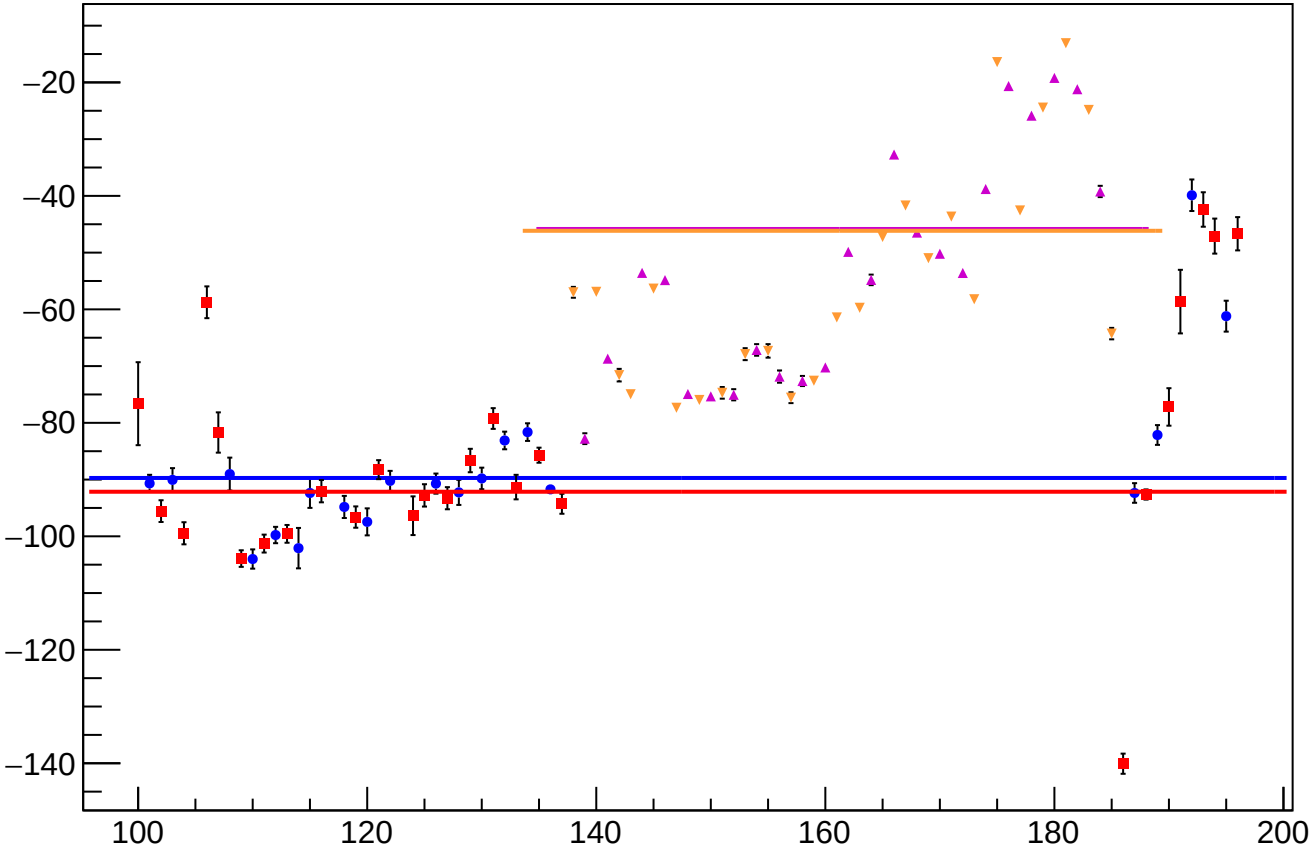
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.246+/-0.107 χ^2/NDF: 7393.3/44

All: 3.006+/-0.076 χ^2/NDF: 13128.6/93

- sign 2.755+/-0.109 χ^2/NDF: 5724.9/48

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -89.717+/-0.393 χ^2/NDF: 654.8/19

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -92.144+/-0.373 χ^2/NDF: 1894.5/25

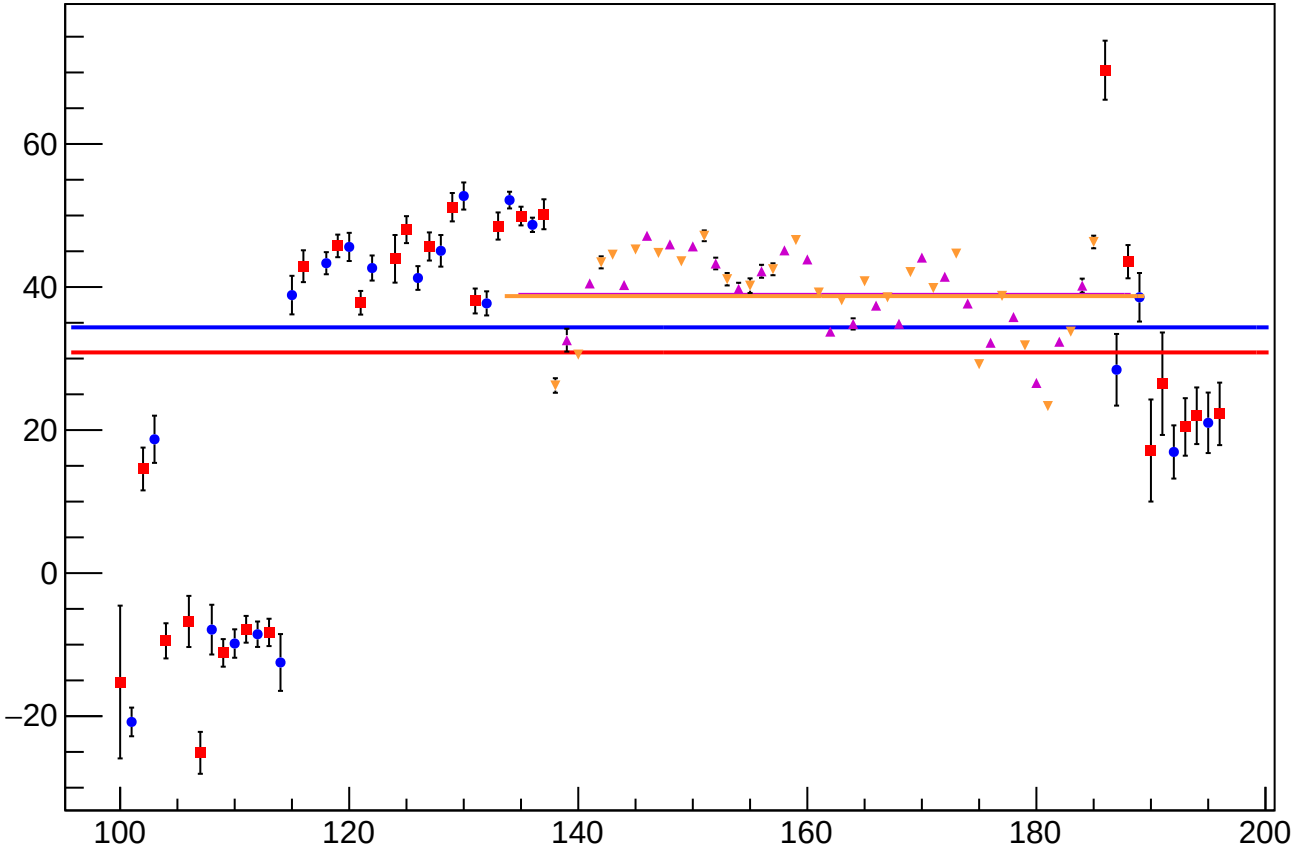
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.219+/-0.134 χ^2/NDF: 32993.5/44

All: -51.599+/-0.095 χ^2/NDF: 66204.8/93

- sign -51.991+/-0.136 χ^2/NDF: 33194.9/48

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.363+/-0.431 χ^2/NDF: 2844.6/19

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.857+/-0.445 χ^2/NDF: 3053.5/25

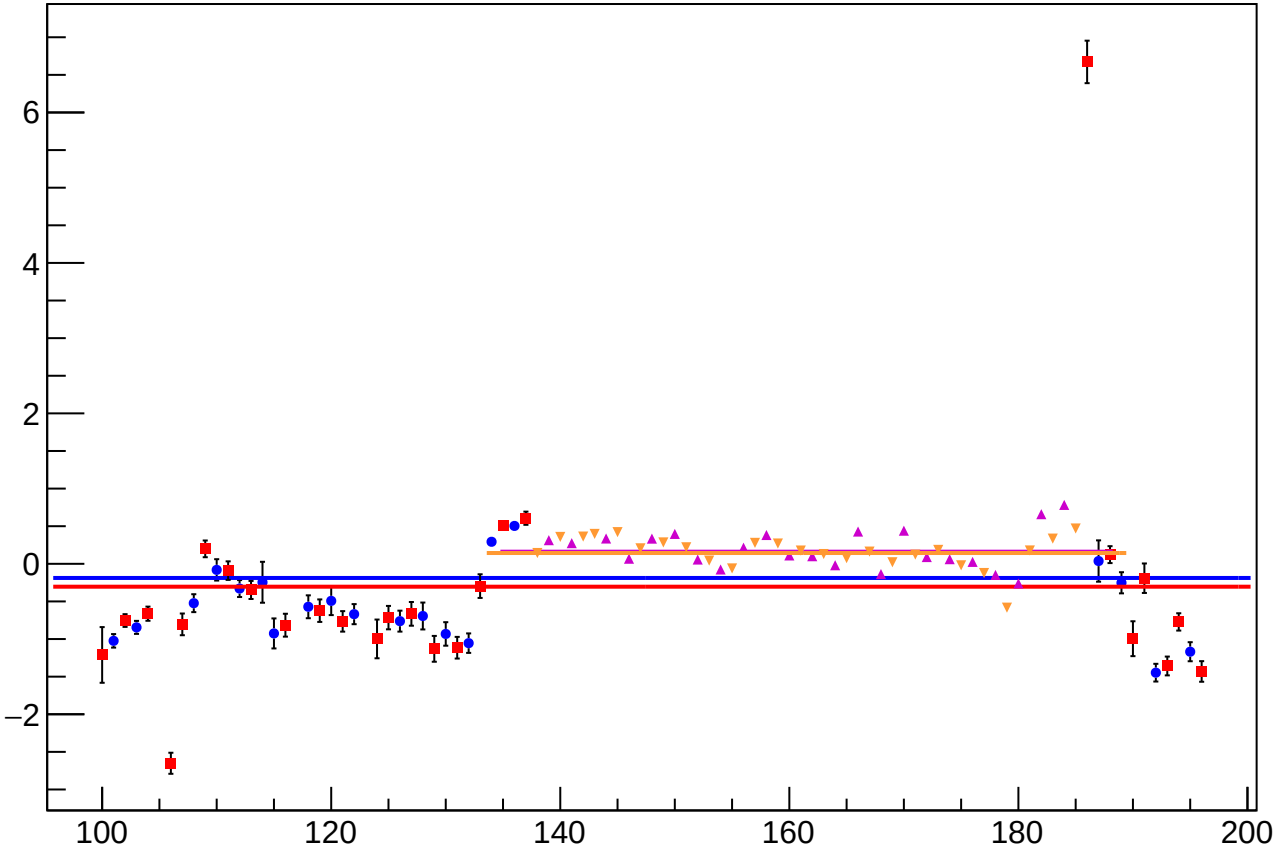
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.394+/-0.120 χ^2/NDF: 5721.0/44

All: 38.346+/-0.086 χ^2/NDF: 11048.5/93

- sign 38.295+/-0.123 χ^2/NDF: 5327.1/48

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.188+/-0.023 χ^2/NDF: 820.0/19

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

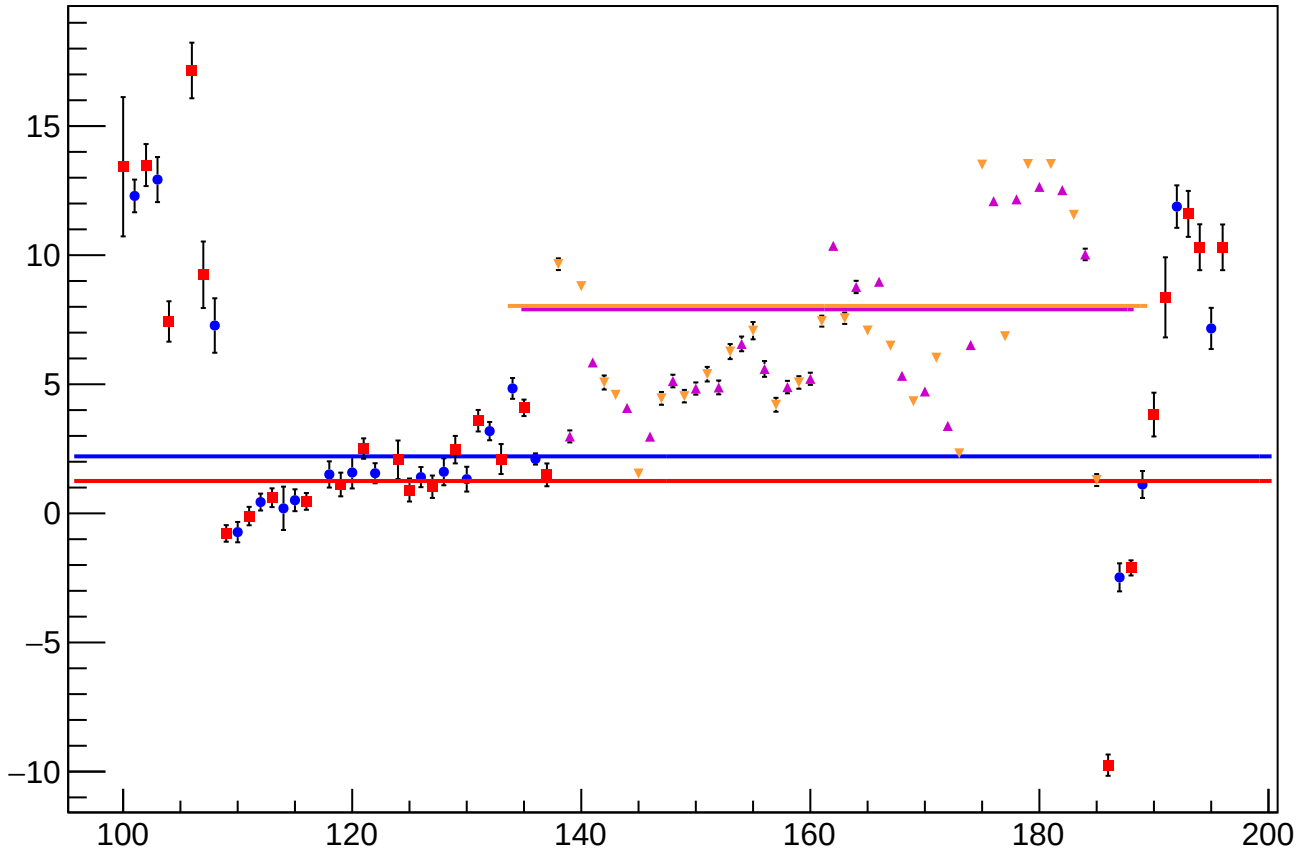
Right Out: -0.304+/-0.024 χ^2/NDF: 1613.2/25

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.125+/-0.005 χ^2/NDF: 2463.2/44

All: 0.130+/-0.004 χ^2/NDF: 6360.0/93

- sign 0.136+/-0.006 χ^2/NDF: 3894.7/48



Right In: 2.208+/-0.100 χ^2/NDF: 854.9/19

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.255+/-0.094 χ^2/NDF: 1976.0/25

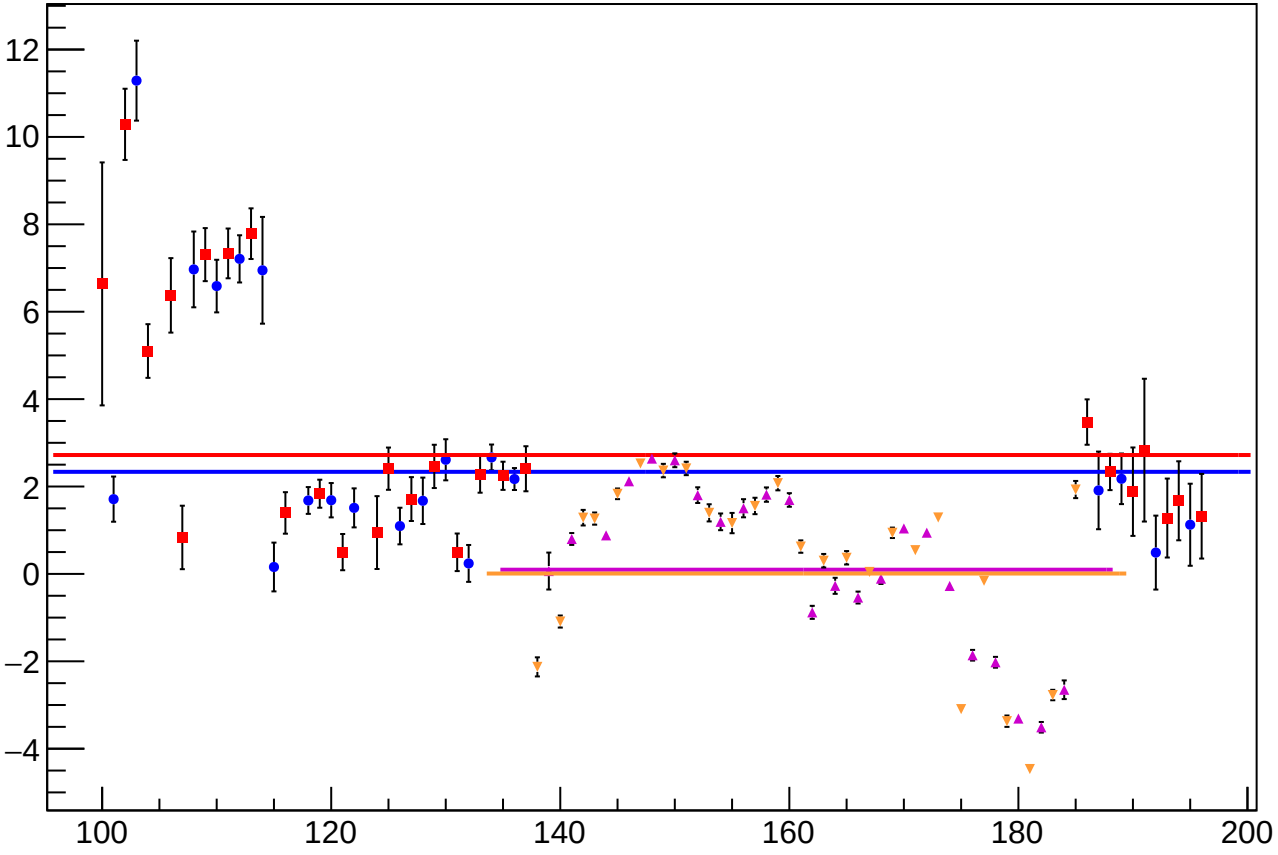
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.402+/-0.033 χ^2/NDF: 17829.8/44

All: 7.236+/-0.023 χ^2/NDF: 34238.7/93

- sign 7.062+/-0.033 χ^2/NDF: 16356.0/48

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.336+/-0.104 χ^2/NDF: 340.9/19

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.721+/-0.106 χ^2/NDF: 420.9/25

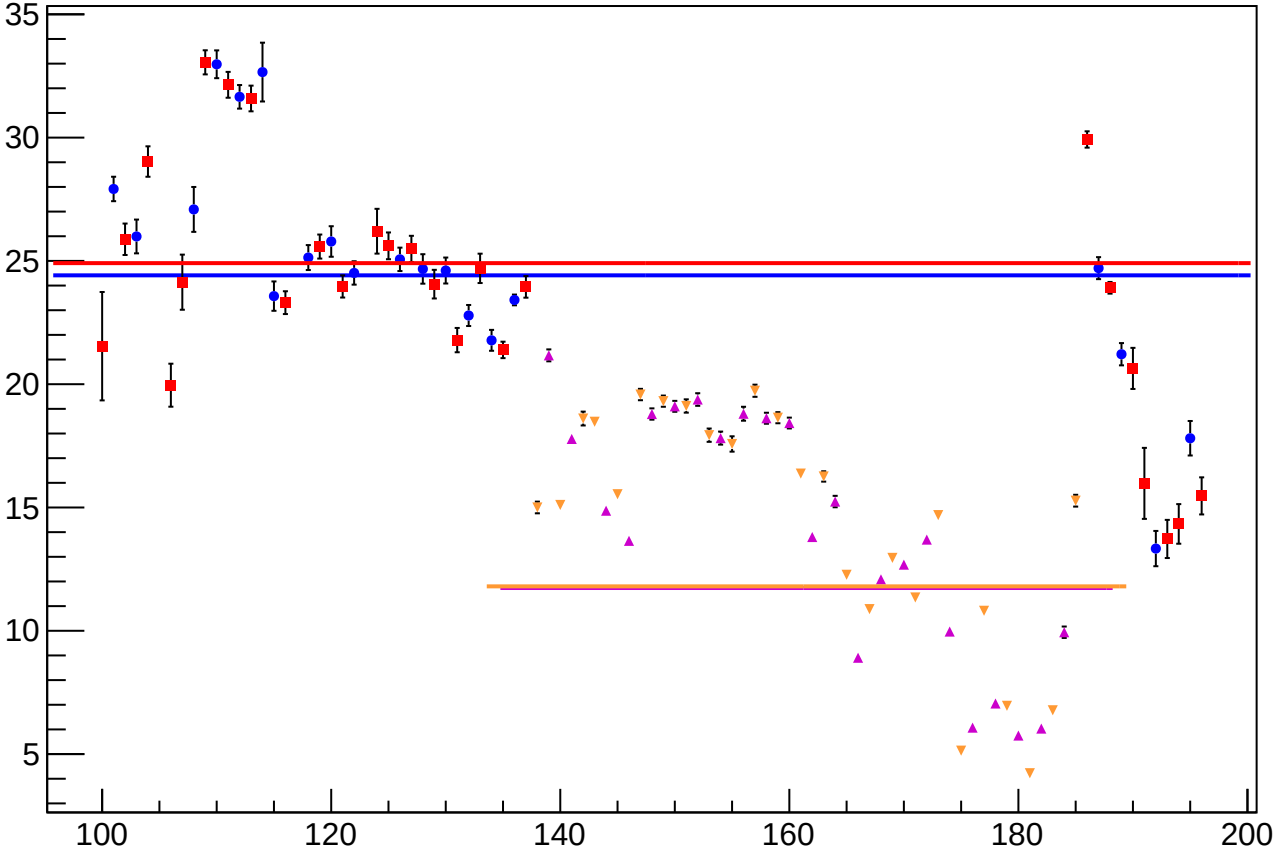
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.160+/-0.027 χ^2/NDF: 6568.0/44

All: 0.213+/-0.019 χ^2/NDF: 12002.1/93

- sign 0.268+/-0.027 χ^2/NDF: 5425.9/48

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.414+/-0.108 χ^2/NDF: 1036.2/19

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.910+/-0.101 χ^2/NDF: 1747.5/25

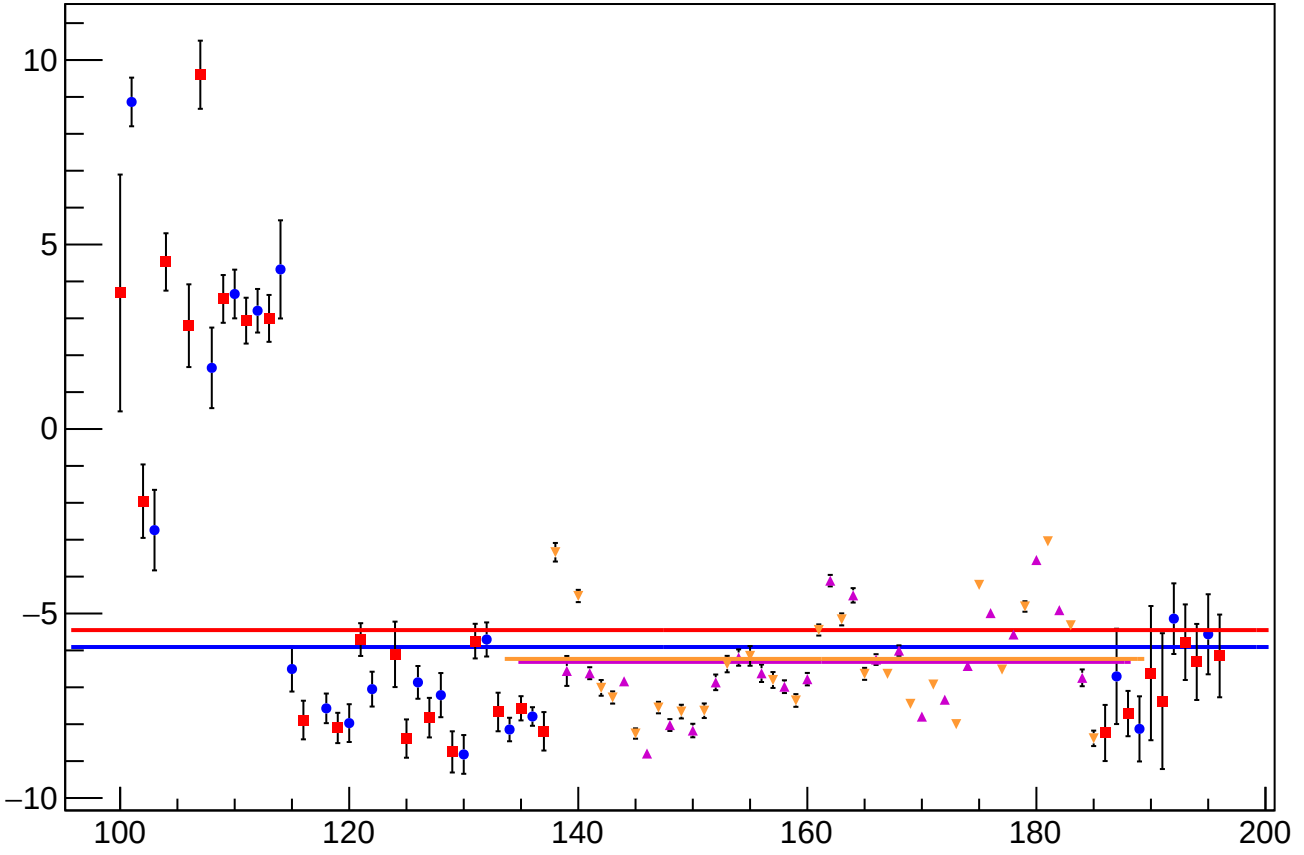
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.998+/-0.033 χ^2/NDF: 34943.4/44

All: 13.106+/-0.024 χ^2/NDF: 69947.0/93

- sign 13.218+/-0.034 χ^2/NDF: 34982.0/48

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.908+/-0.117 χ^2/NDF: 1258.9/19

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

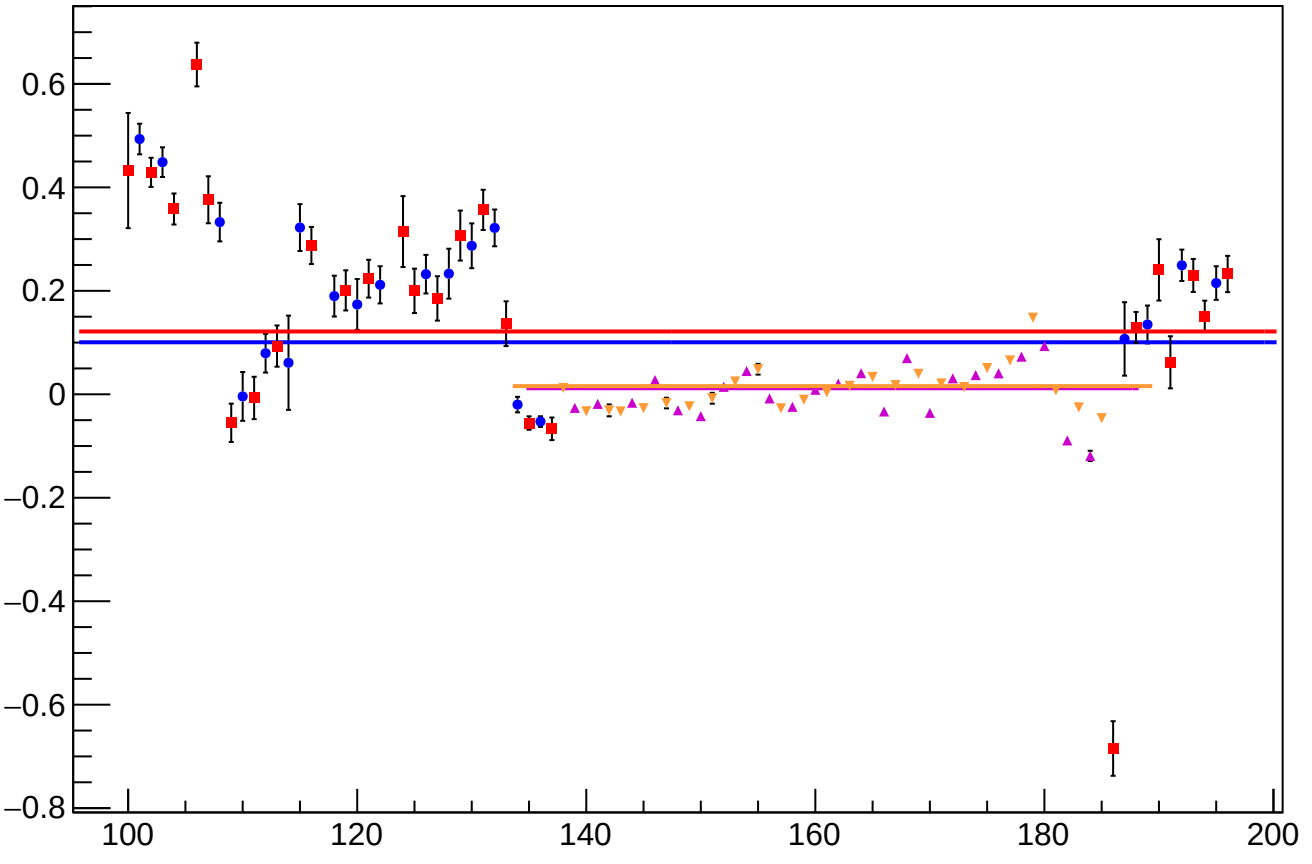
Right Out: -5.449+/-0.122 χ^2/NDF: 1324.7/25

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.0/44

All: -6.233+/-0.021 χ^2/NDF: 7119.0/93

- sign -6.257+/-0.030 χ^2/NDF: 3401.7/48



Right In: 0.101+/-0.006 χ^2/NDF: 809.3/19

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.121+/-0.006 χ^2/NDF: 1023.9/25

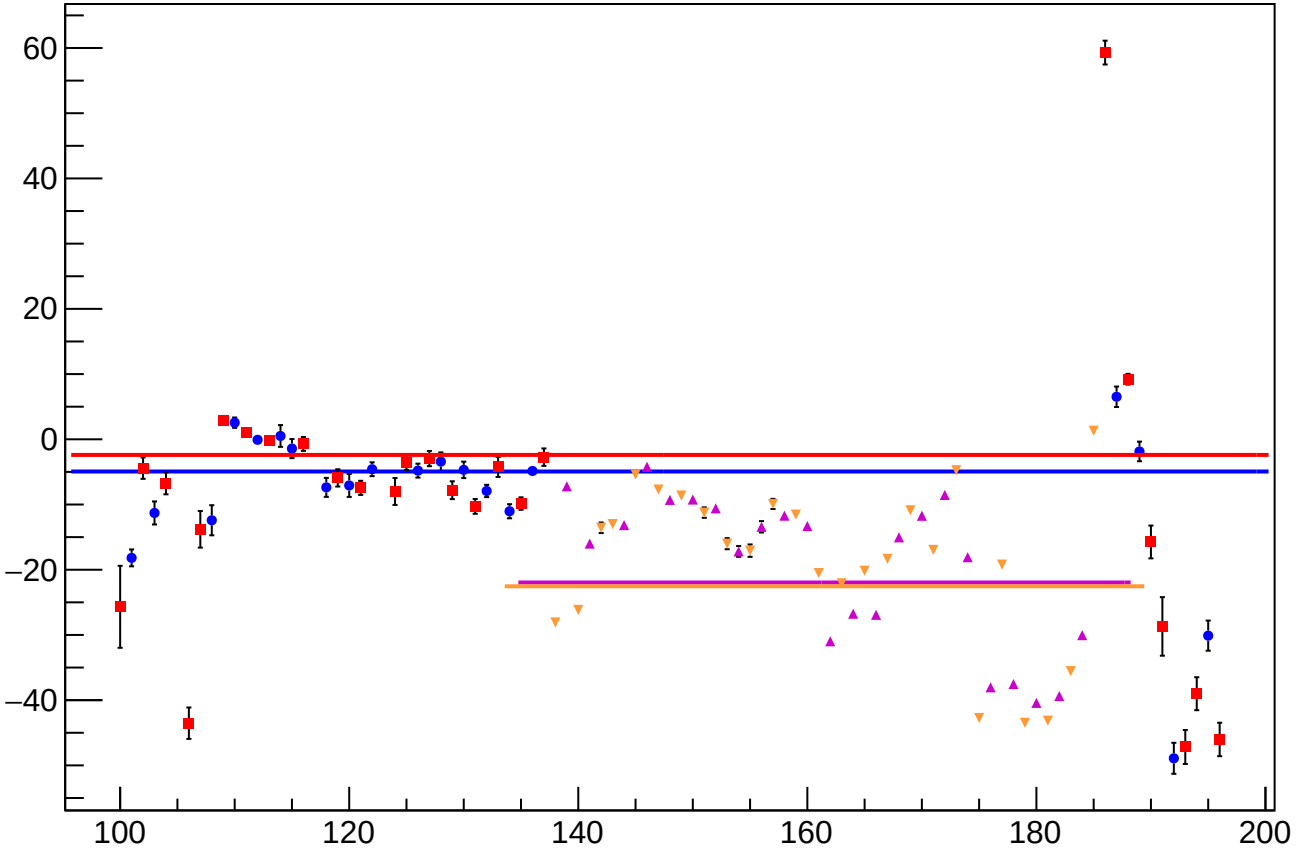
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1920.7/44

All: 0.018+/-0.001 χ^2/NDF: 4517.2/93

- sign 0.017+/-0.001 χ^2/NDF: 2593.8/48

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.937+/-0.257 χ^2/NDF: 853.1/19

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.394+/-0.242 χ^2/NDF: 2793.3/25

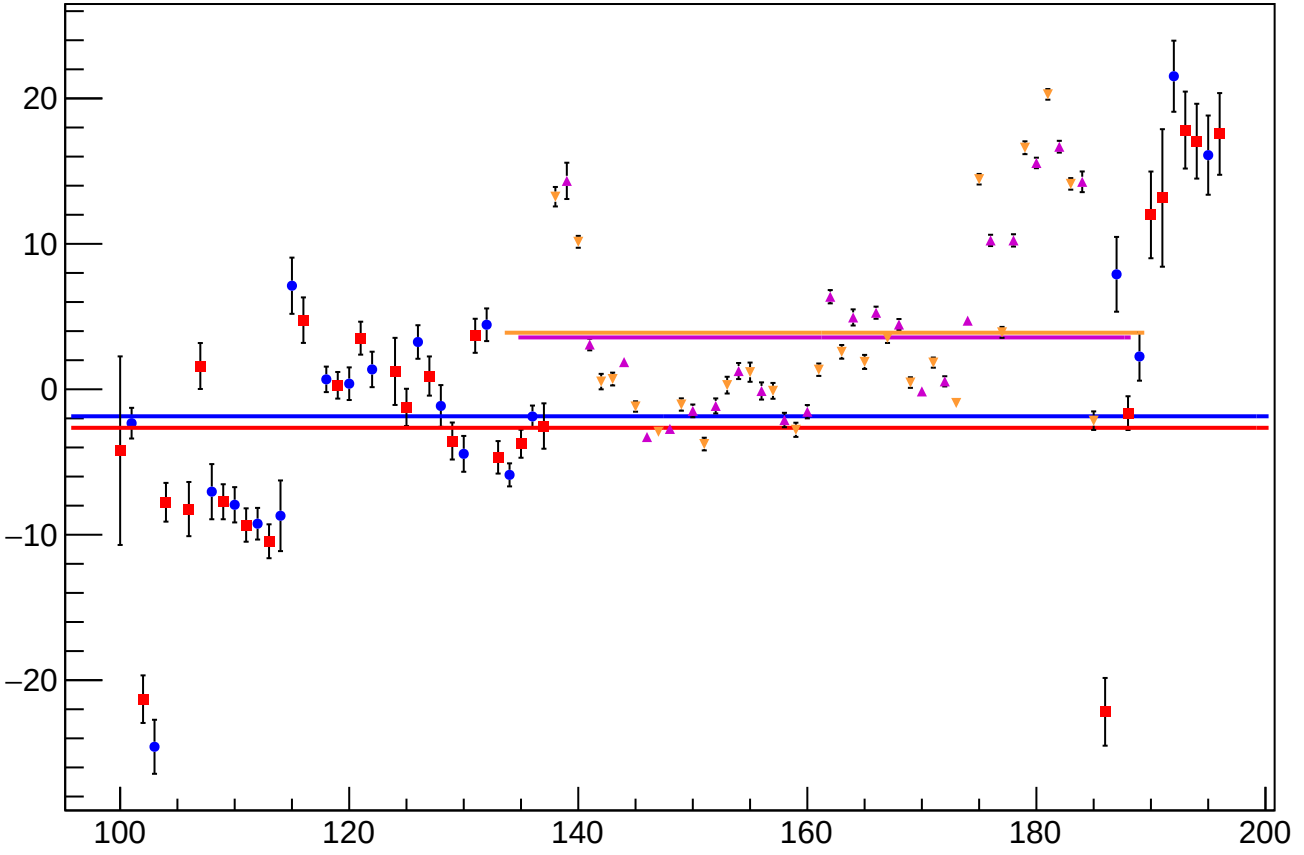
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.899+/-0.100 χ^2/NDF: 21367.5/44

All: -19.227+/-0.071 χ^2/NDF: 42252.3/93

- sign -18.537+/-0.101 χ^2/NDF: 20792.6/48

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.856+/-0.277 χ^2/NDF: 514.5/19

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -2.648+/-0.281 χ^2/NDF: 642.0/25

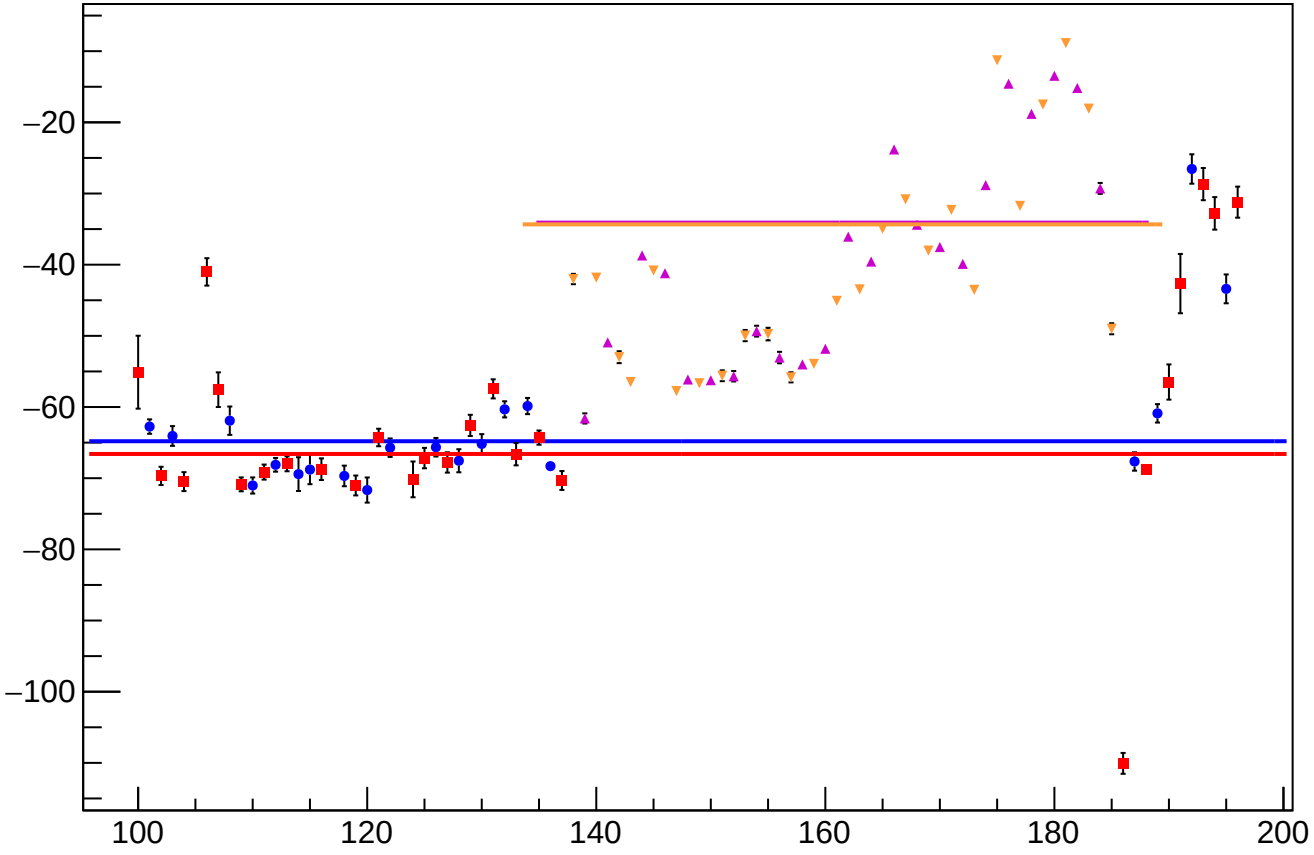
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.403+/-0.081 χ^2/NDF: 7633.4/44

All: 3.221+/-0.058 χ^2/NDF: 13473.6/93

- sign 3.029+/-0.082 χ^2/NDF: 5829.7/48

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -64.806+/-0.283 χ^2/NDF: 617.6/19

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -66.596+/-0.269 χ^2/NDF: 2022.8/25

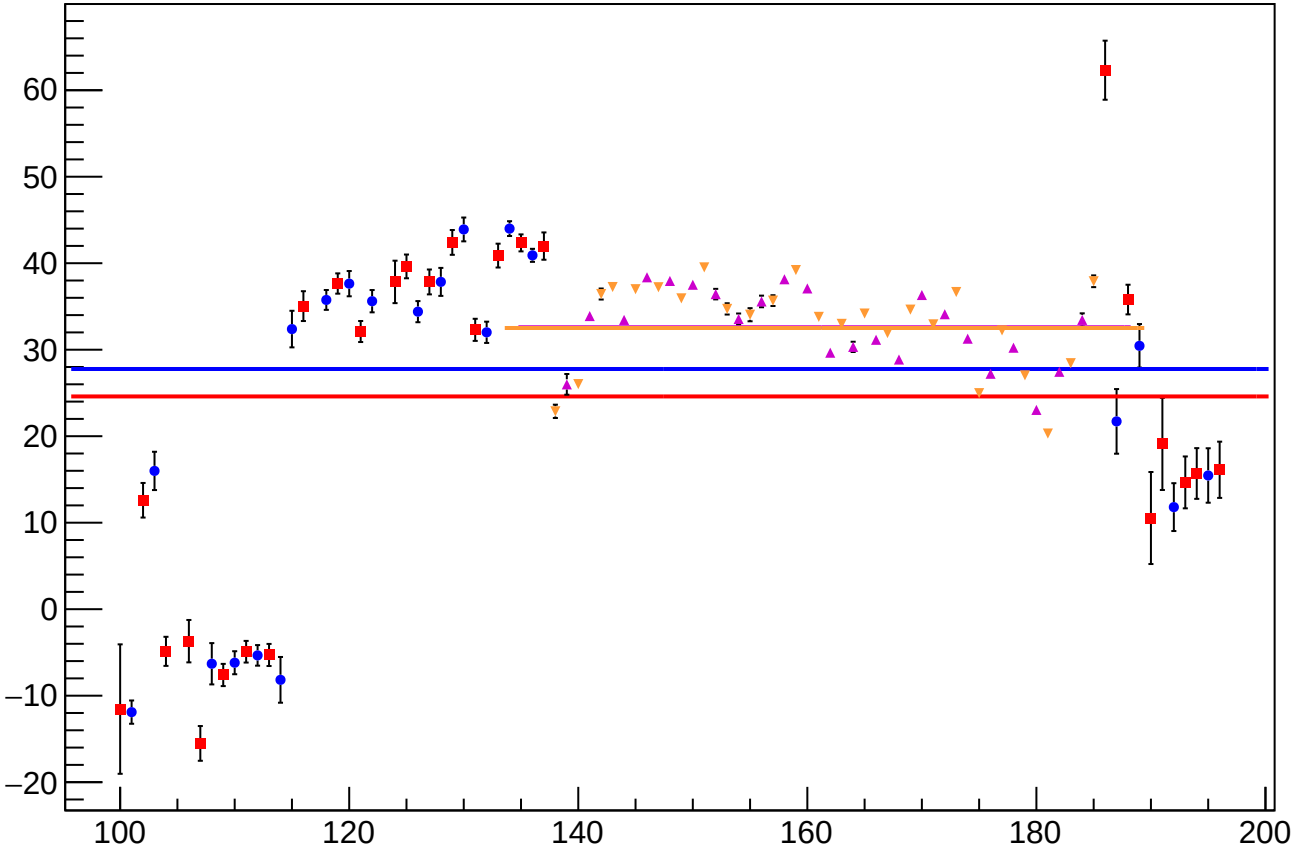
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.221+/-0.101 χ^2/NDF: 31923.1/44

All: -38.512+/-0.072 χ^2/NDF: 64153.7/93

- sign -38.811+/-0.103 χ^2/NDF: 32213.8/48

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.770+/-0.313 χ^2/NDF: 3781.2/19

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.597+/-0.321 χ^2/NDF: 4042.8/25

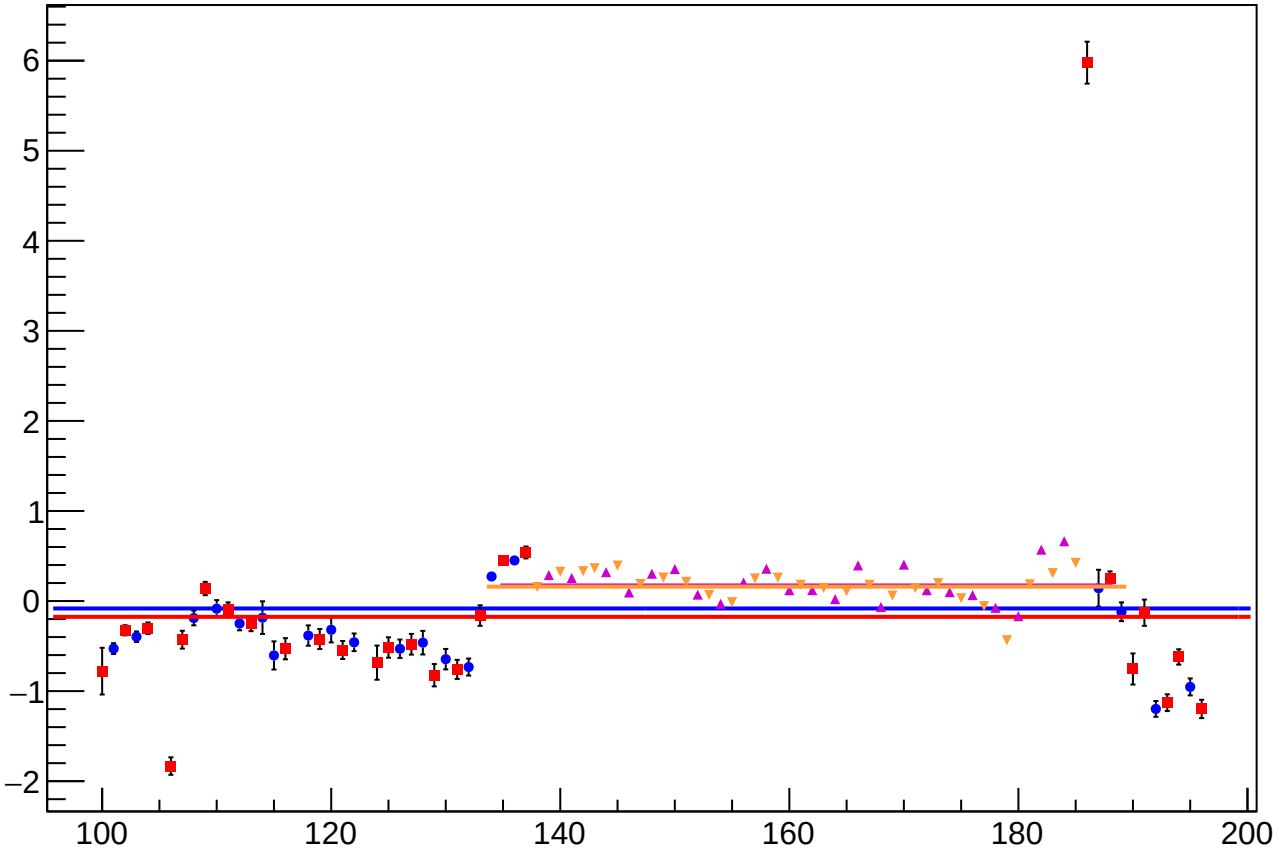
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.114+/-0.090 χ^2/NDF: 6929.9/44

All: 32.025+/-0.065 χ^2/NDF: 13556.8/93

- sign 31.932+/-0.093 χ^2/NDF: 6624.9/48

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.016 χ^2/NDF: 853.9/19

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.175+/-0.017 χ^2/NDF: 1790.5/25

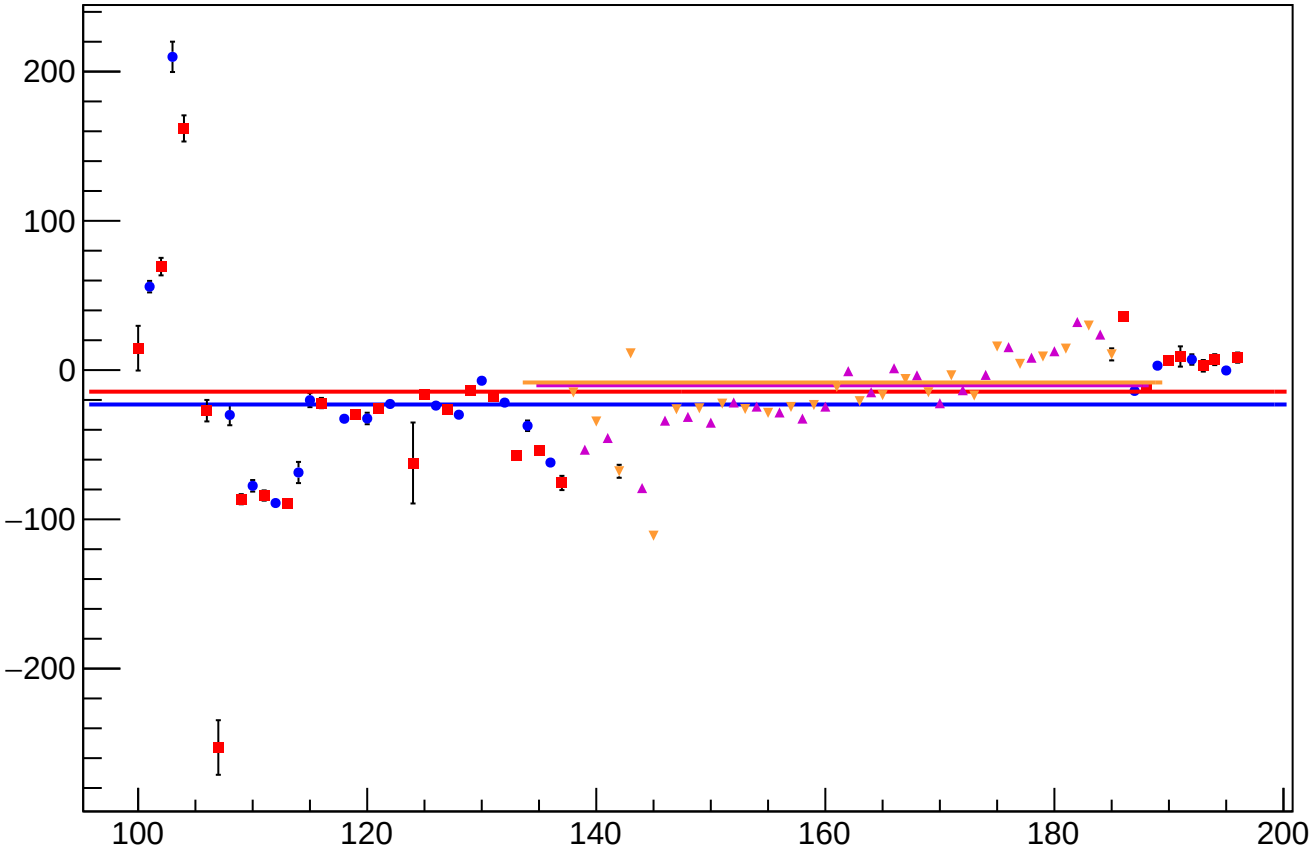
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.145+/-0.004 χ^2/NDF: 2669.8/44

All: 0.148+/-0.003 χ^2/NDF: 6981.6/93

- sign 0.152+/-0.004 χ^2/NDF: 4310.1/48

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -23.049+/-0.697 χ^2/NDF: 2289.5/19

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.457+/-0.593 χ^2/NDF: 4043.6/25

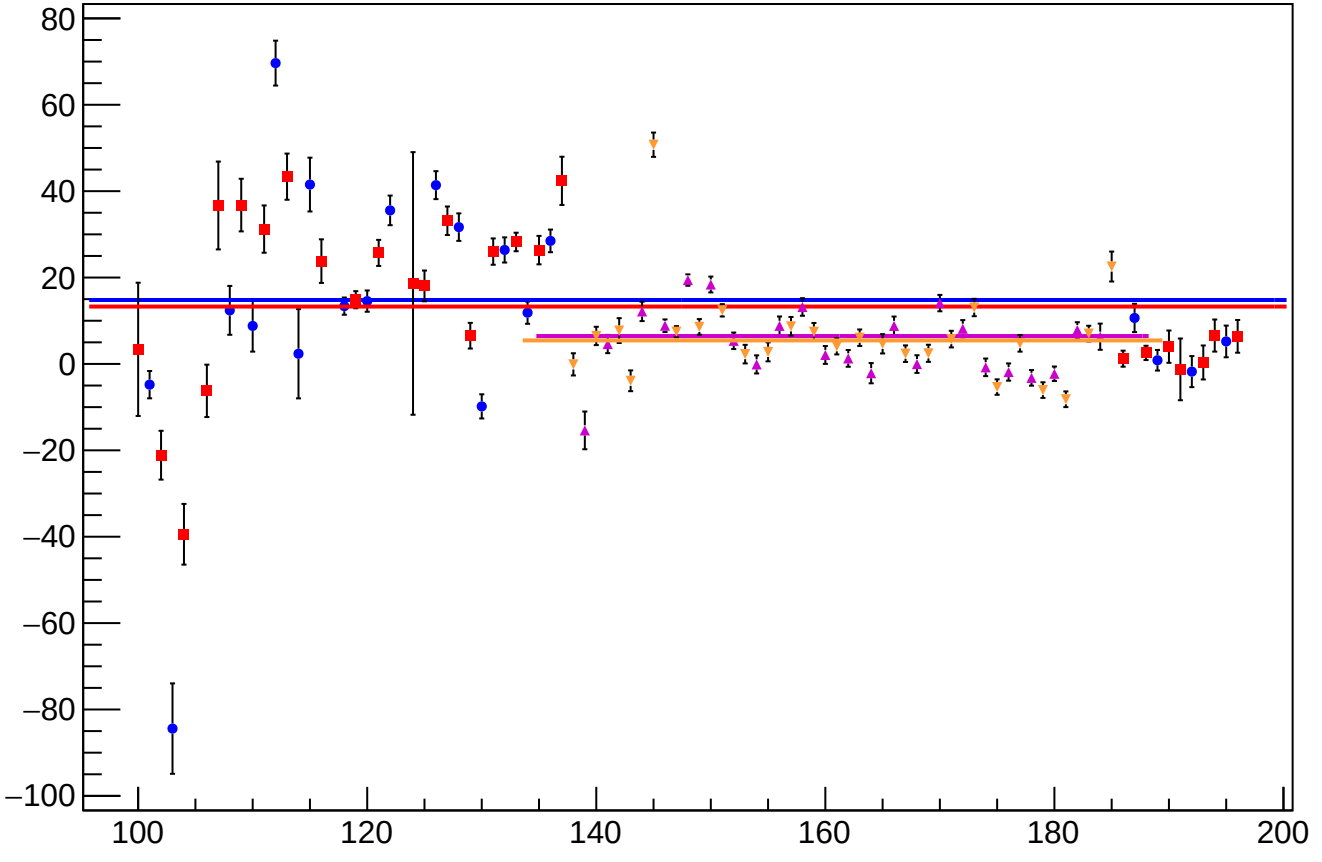
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.493+/-0.413 χ^2/NDF: 5139.6/44

All: -12.744+/-0.285 χ^2/NDF: 11736.9/93

- sign -12.066+/-0.394 χ^2/NDF: 6591.1/48

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.802+/-0.726 χ^2/NDF: 579.1/19

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.283+/-0.662 χ^2/NDF: 452.8/25

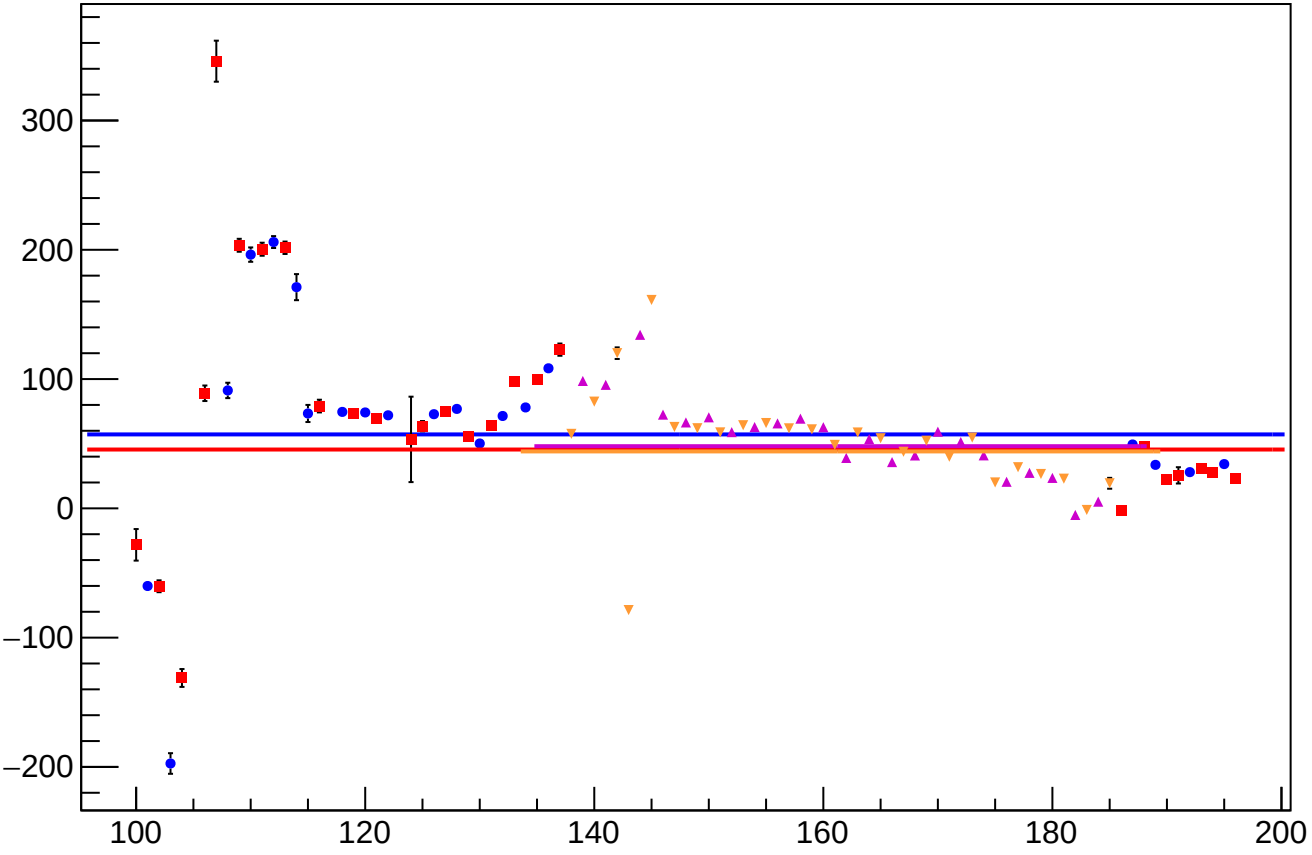
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.574+/-0.346 χ^2/NDF: 1201.2/44

All: 7.955+/-0.245 χ^2/NDF: 2069.3/93

- sign 8.338+/-0.347 χ^2/NDF: 865.7/48

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 57.196+/-0.694 χ^2/NDF: 5410.1/19

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.504+/-0.554 χ^2/NDF: 7522.5/25

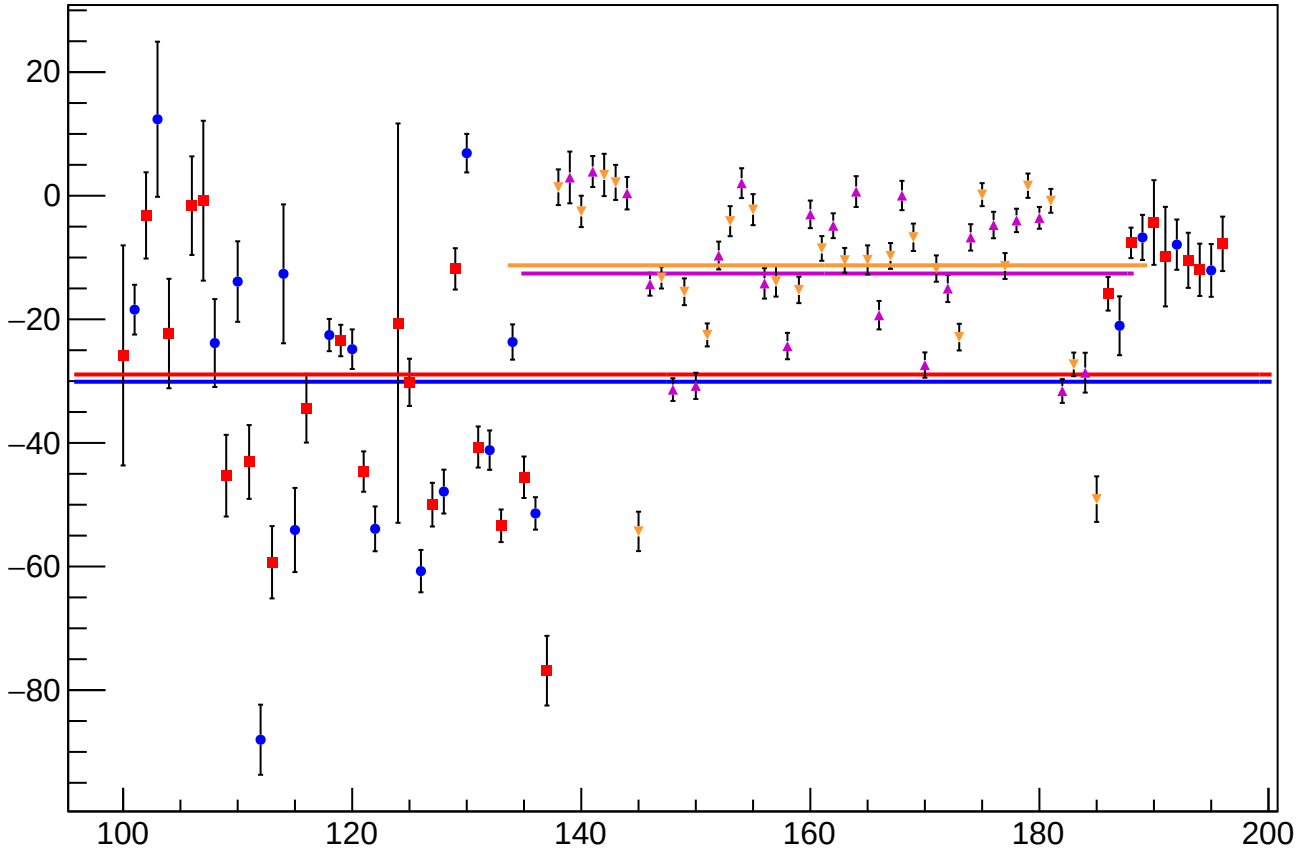
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 48.648+/-0.411 χ^2/NDF: 10207.1/44

All: 47.689+/-0.279 χ^2/NDF: 21127.6/93

- sign 46.869+/-0.380 χ^2/NDF: 10910.4/48

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -30.099+/-0.857 χ^2/NDF: 621.1/19

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.926+/-0.815 χ^2/NDF: 527.6/25

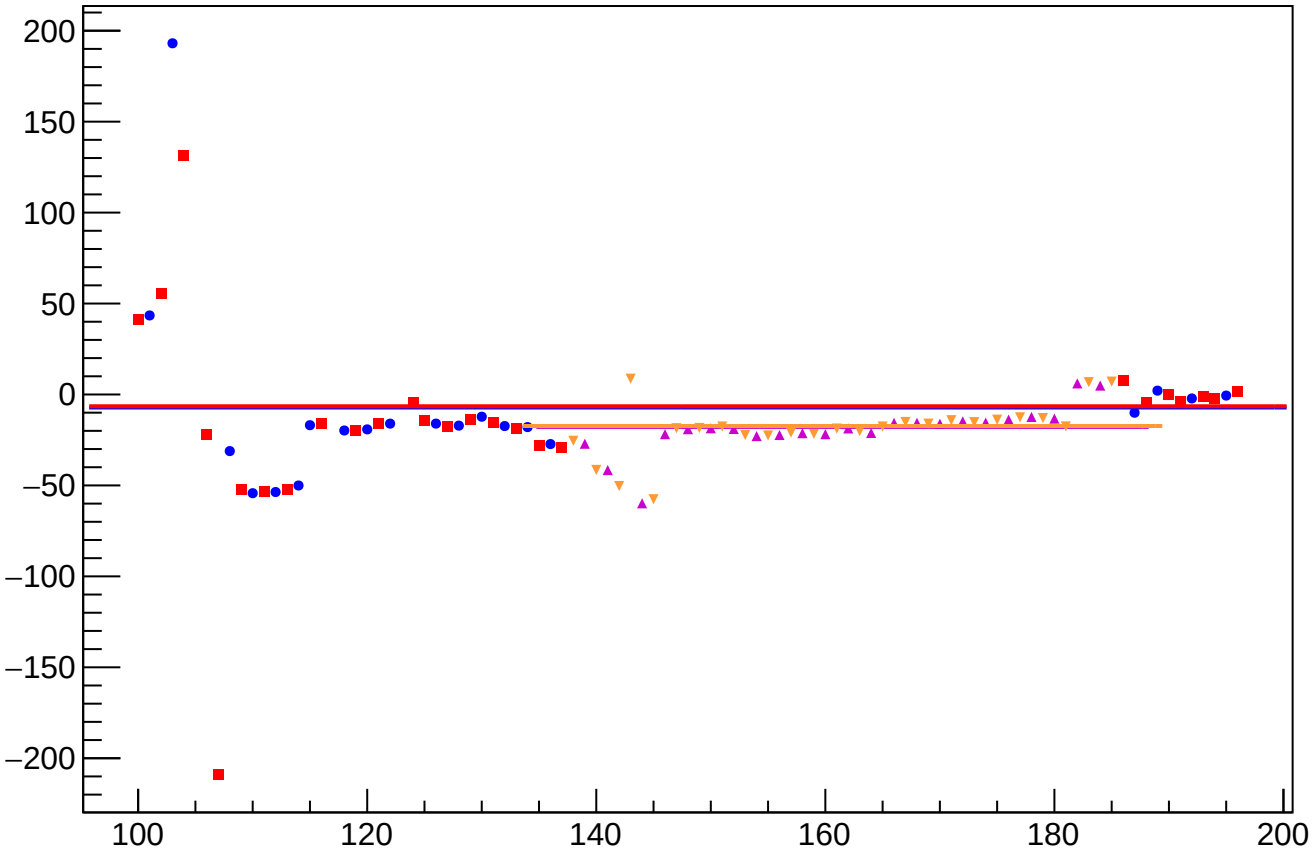
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -15.257+/-0.395 χ^2/NDF: 1644.9/44

All: -15.882+/-0.281 χ^2/NDF: 3154.5/93

\- sign -16.522+/-0.400 χ^2/NDF: 1504.6/48

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -7.159+/-0.046 χ^2/NDF: 533034.4/19

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -6.474+/-0.042 χ^2/NDF: 473593.0/25

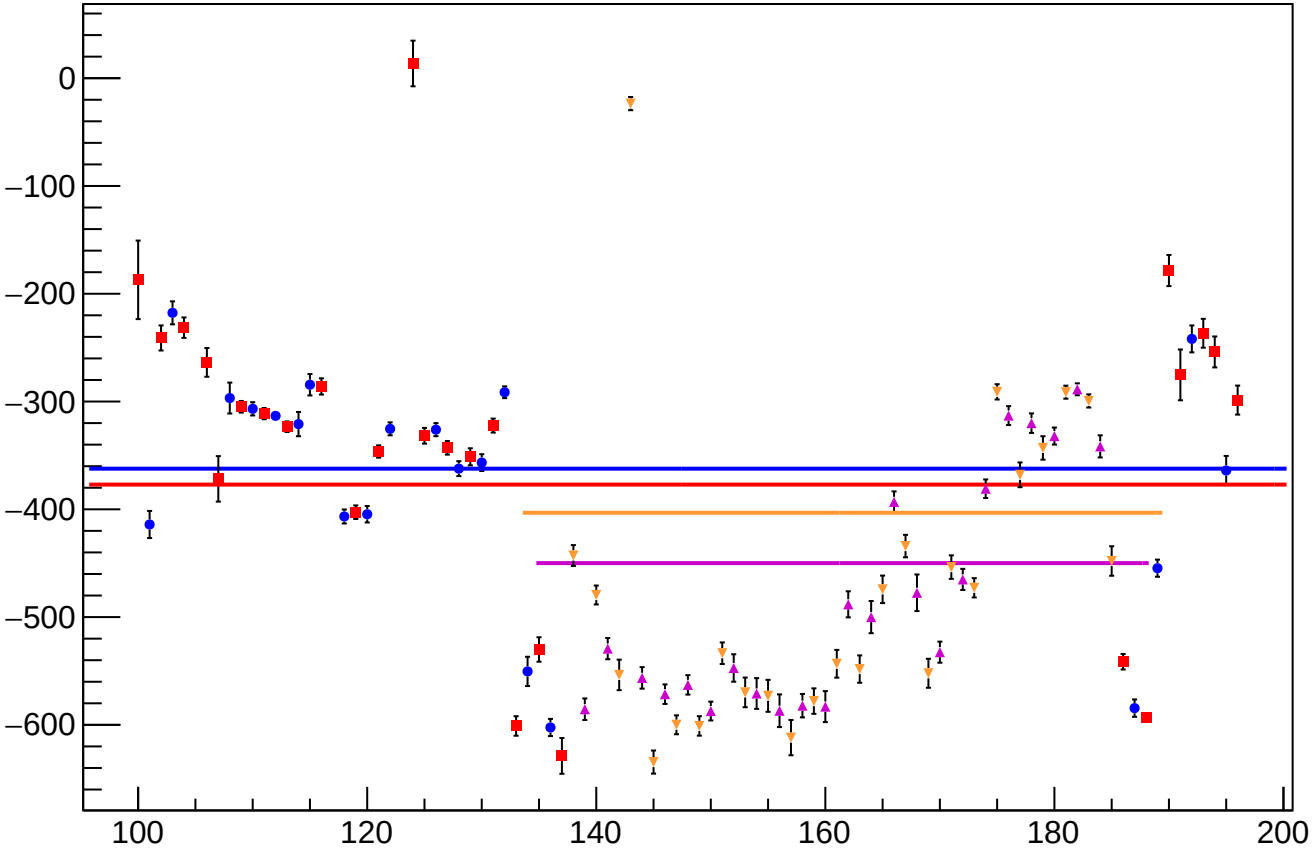
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.689+/-0.018 χ^2/NDF: 922683.4/44

All: -15.702+/-0.013 χ^2/NDF: 1722013.0/93

- sign -15.715+/-0.018 χ^2/NDF: 799328.6/48

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -362.289+/-1.706 χ^2/NDF: 2902.1/19

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -377.069+/-1.545 χ^2/NDF: 6110.9/25

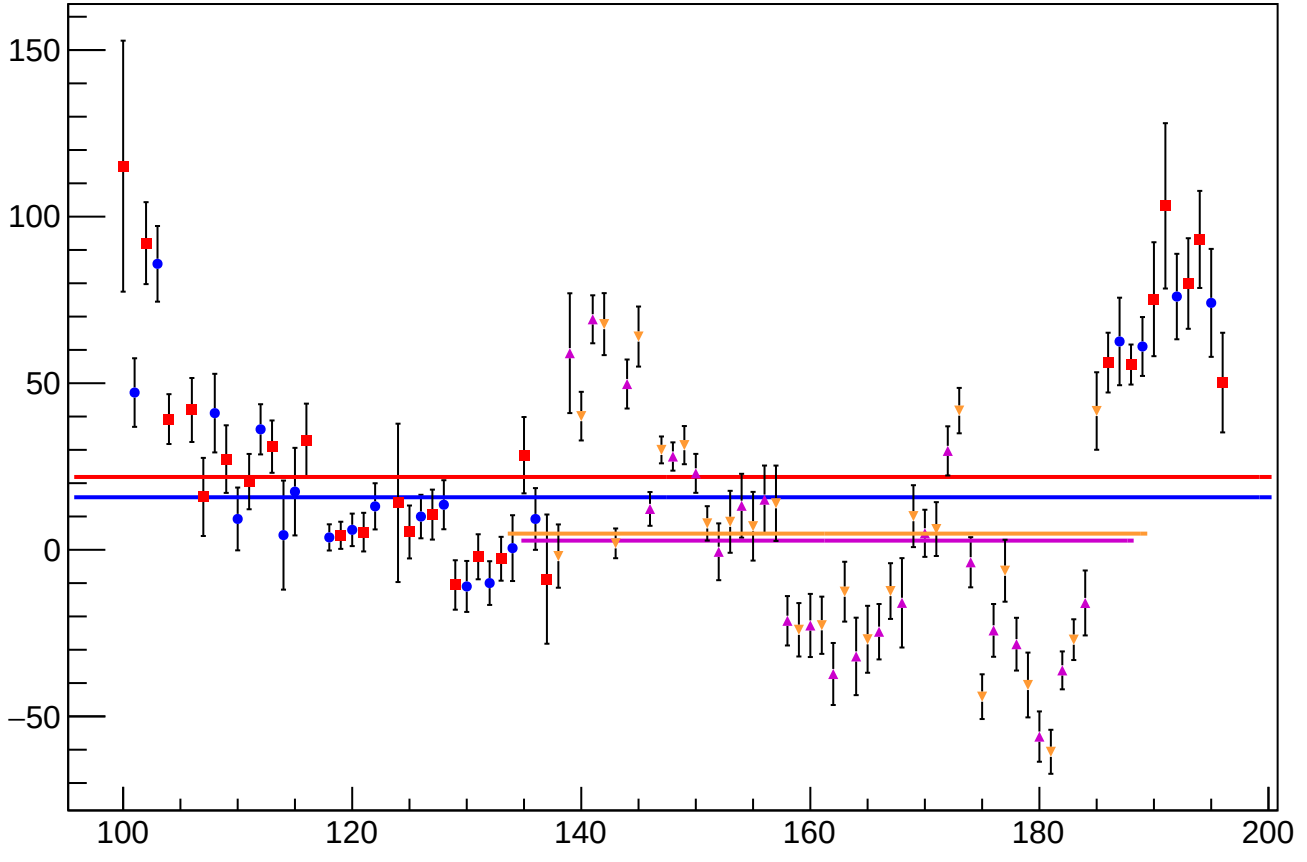
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.262+/-1.278 χ^2/NDF: 10904.9/44

All: -392.334+/-0.887 χ^2/NDF: 21215.7/93

- sign -403.561+/-1.232 χ^2/NDF: 10138.6/48

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 15.773+/-1.760 χ^2/NDF: 179.2/19

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 21.861+/-1.689 χ^2/NDF: 245.6/25

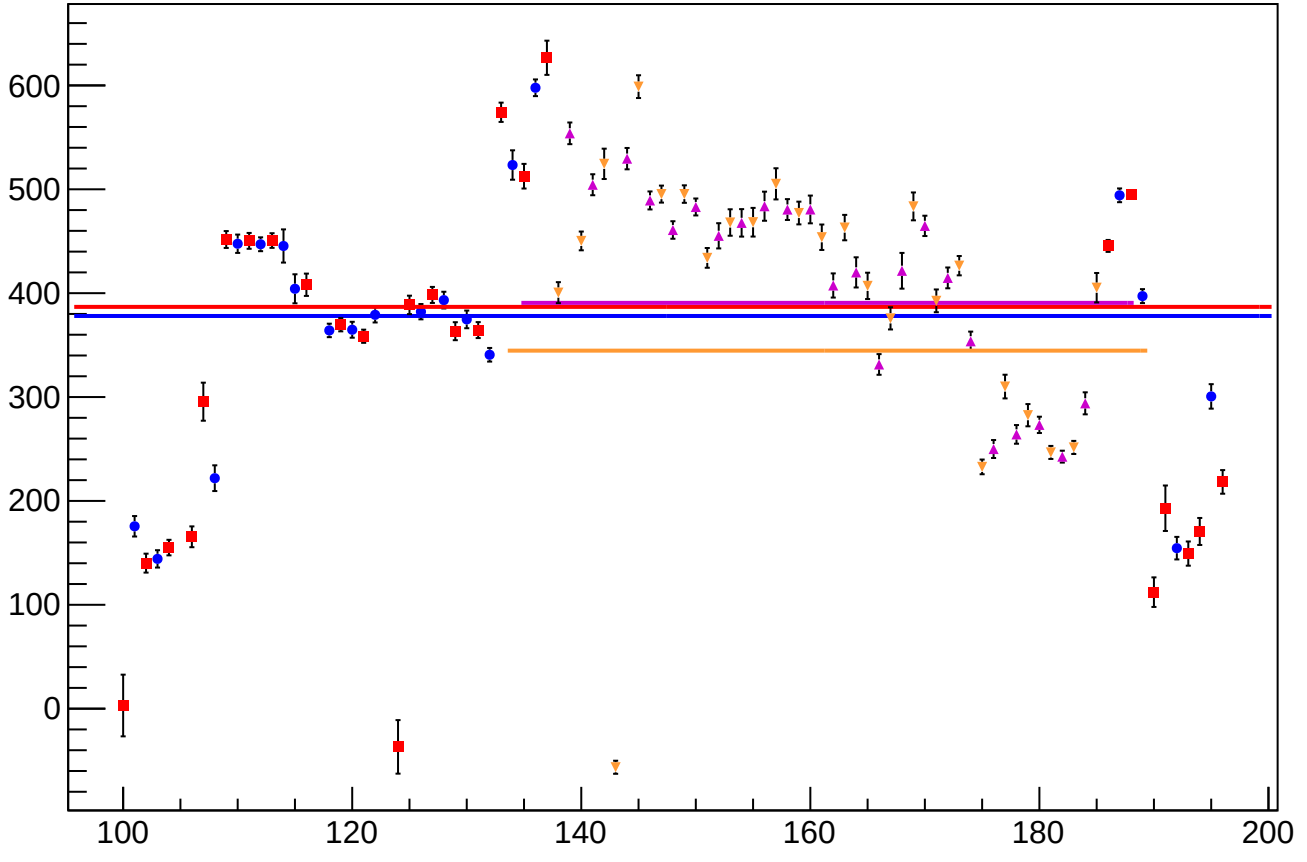
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 9.261+/-1.118 χ^2/NDF: 659.3/44

All: 10.363+/-0.799 χ^2/NDF: 1375.8/93

- sign 11.517+/-1.144 χ^2/NDF: 714.5/48

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 378.044+/-1.868 χ^2/NDF: 3233.8/19

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 386.806+/-1.622 χ^2/NDF: 6087.1/25

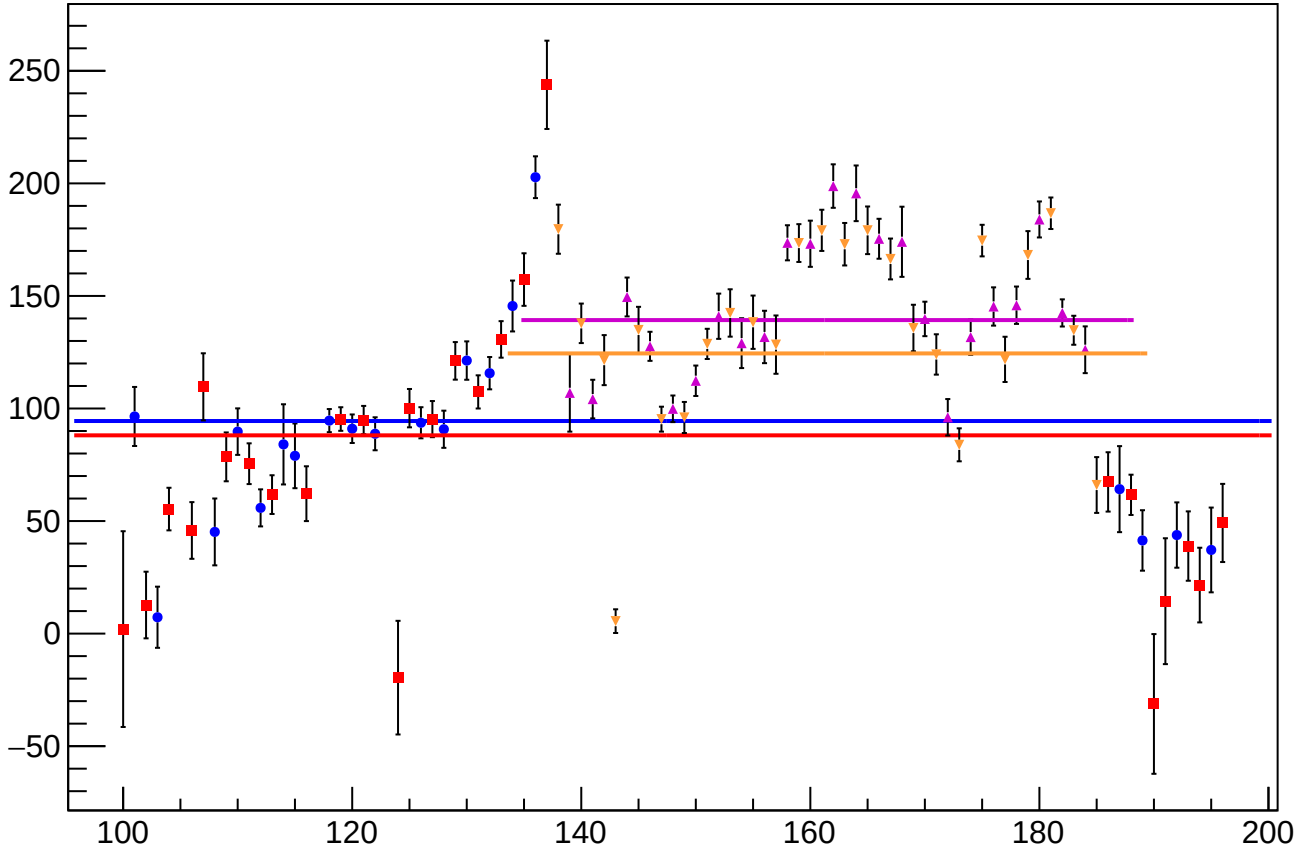
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 361.859+/-1.340 χ^2/NDF: 10666.9/44

All: 375.826+/-0.921 χ^2/NDF: 19634.7/93

- sign 388.313+/-1.267 χ^2/NDF: 8762.1/48

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 94.438+/-2.070 χ^2/NDF: 291.8/19

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 88.075+/-1.998 χ^2/NDF: 308.5/25

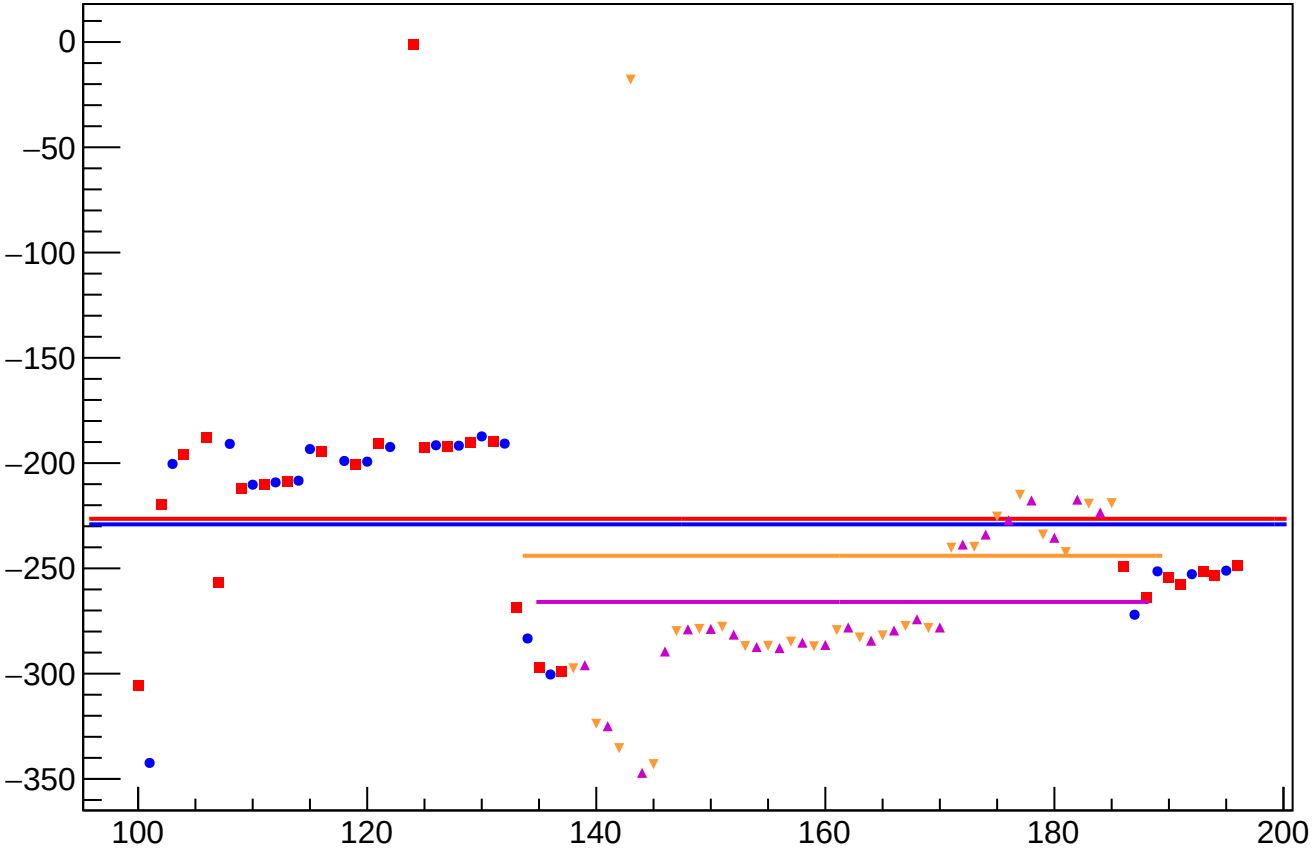
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

\+ sign 112.698+/-1.296 χ^2/NDF: 1357.4/44

All: 114.691+/-0.926 χ^2/NDF: 2299.5/93

\- sign 116.774+/-1.325 χ^2/NDF: 937.3/48

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -229.090+/-0.125 χ^2/NDF: 130314.8/19

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -226.463+/-0.115 χ^2/NDF: 105309.1/25

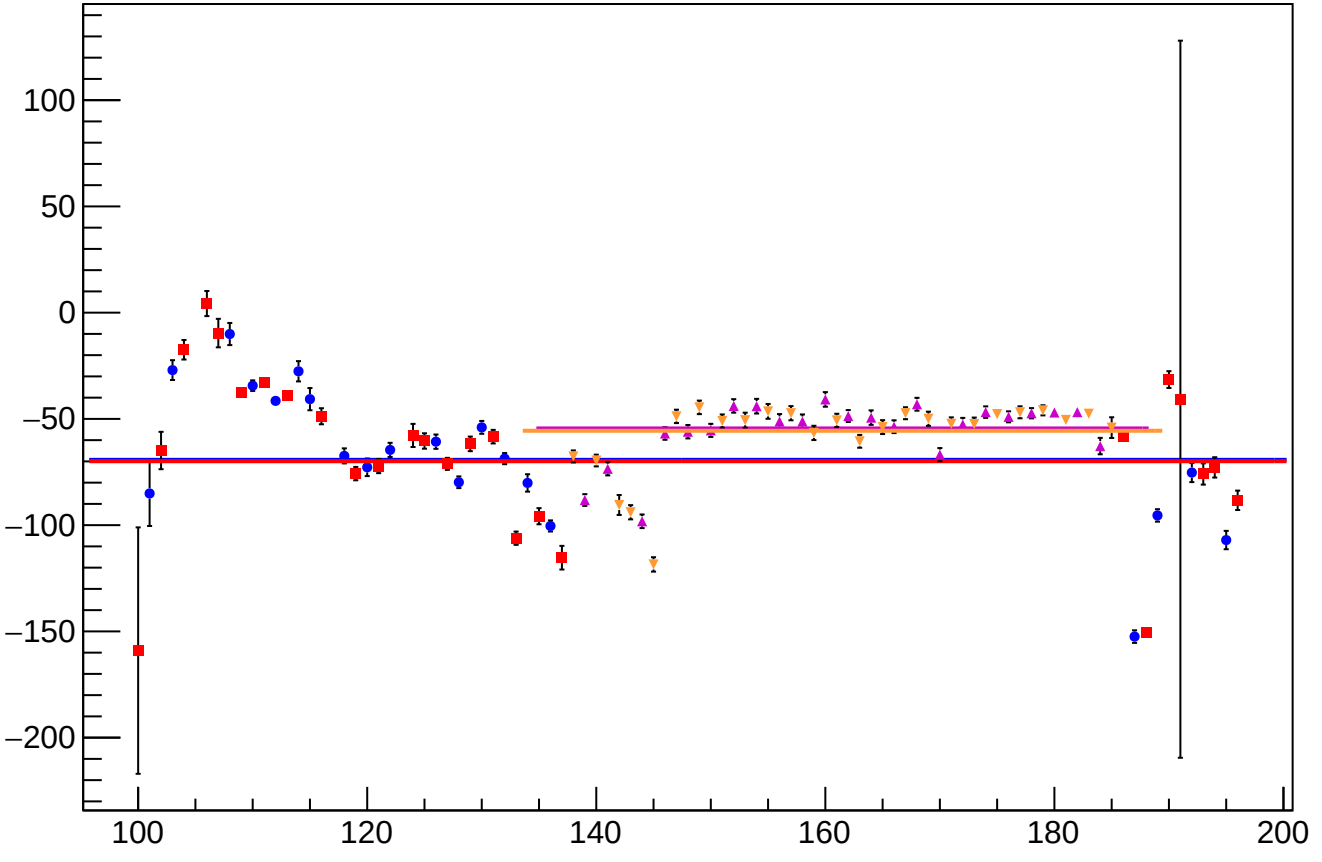
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.891+/-0.066 χ^2/NDF: 1138585.5/44

All: -246.382+/-0.047 χ^2/NDF: 1512876.2/93

- sign -252.891+/-0.066 χ^2/NDF: 354785.9/48

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -69.264+/-0.748 χ^2/NDF: 1829.1/19

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -69.916+/-0.639 χ^2/NDF: 3730.6/25

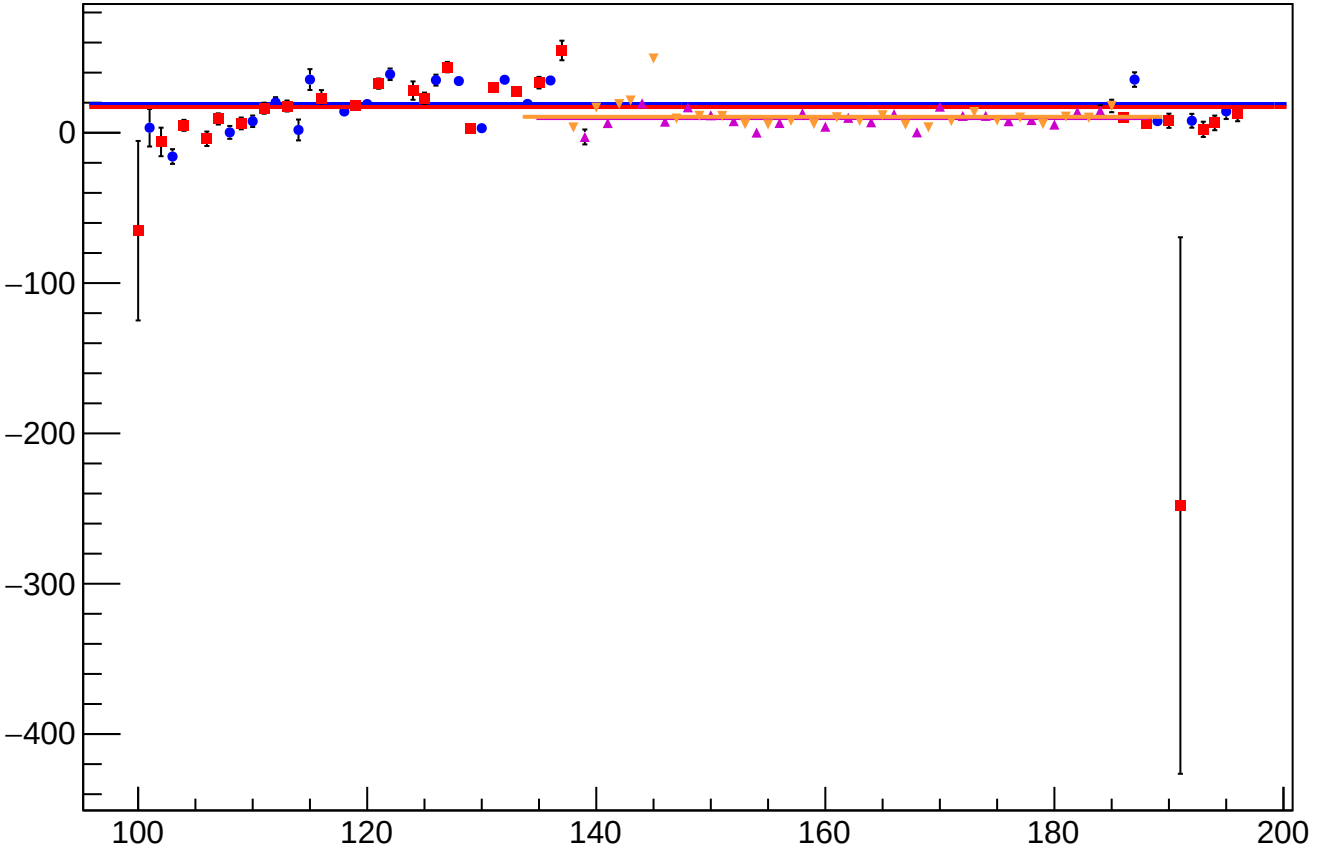
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -60.828+/-0.463 χ^2/NDF: 2722.1/44

All: -61.340+/-0.319 χ^2/NDF: 7261.8/93

- sign -61.802+/-0.440 χ^2/NDF: 4537.3/48

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.115+/-0.802 χ^2/NDF: 278.5/19

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.108+/-0.716 χ^2/NDF: 293.5/25

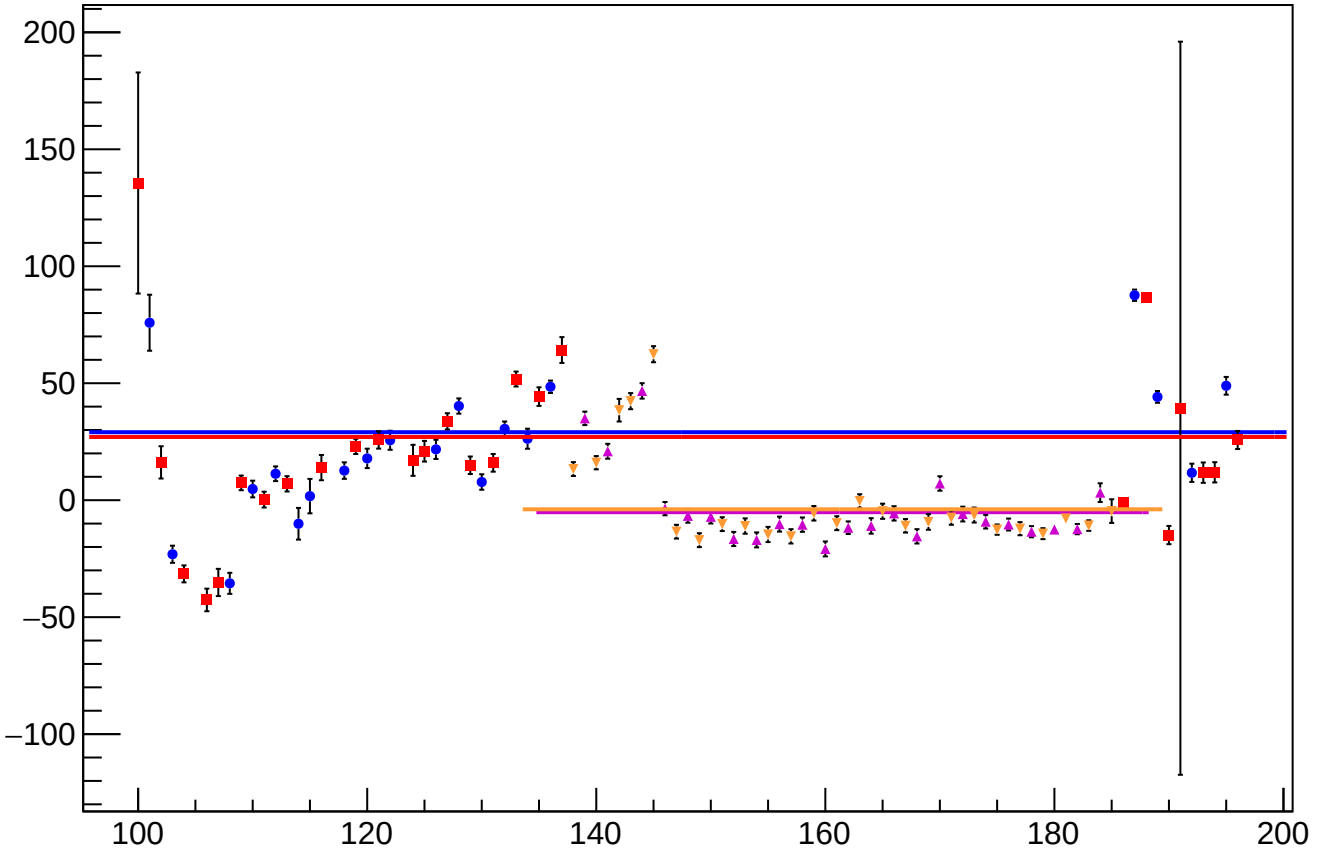
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.635+/-0.392 χ^2/NDF: 619.3/44

All: 12.294+/-0.277 χ^2/NDF: 1109.1/93

- sign 11.954+/-0.391 χ^2/NDF: 488.3/48

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.062+/-0.802 χ^2/NDF: 1354.4/19

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.029+/-0.646 χ^2/NDF: 3279.3/25

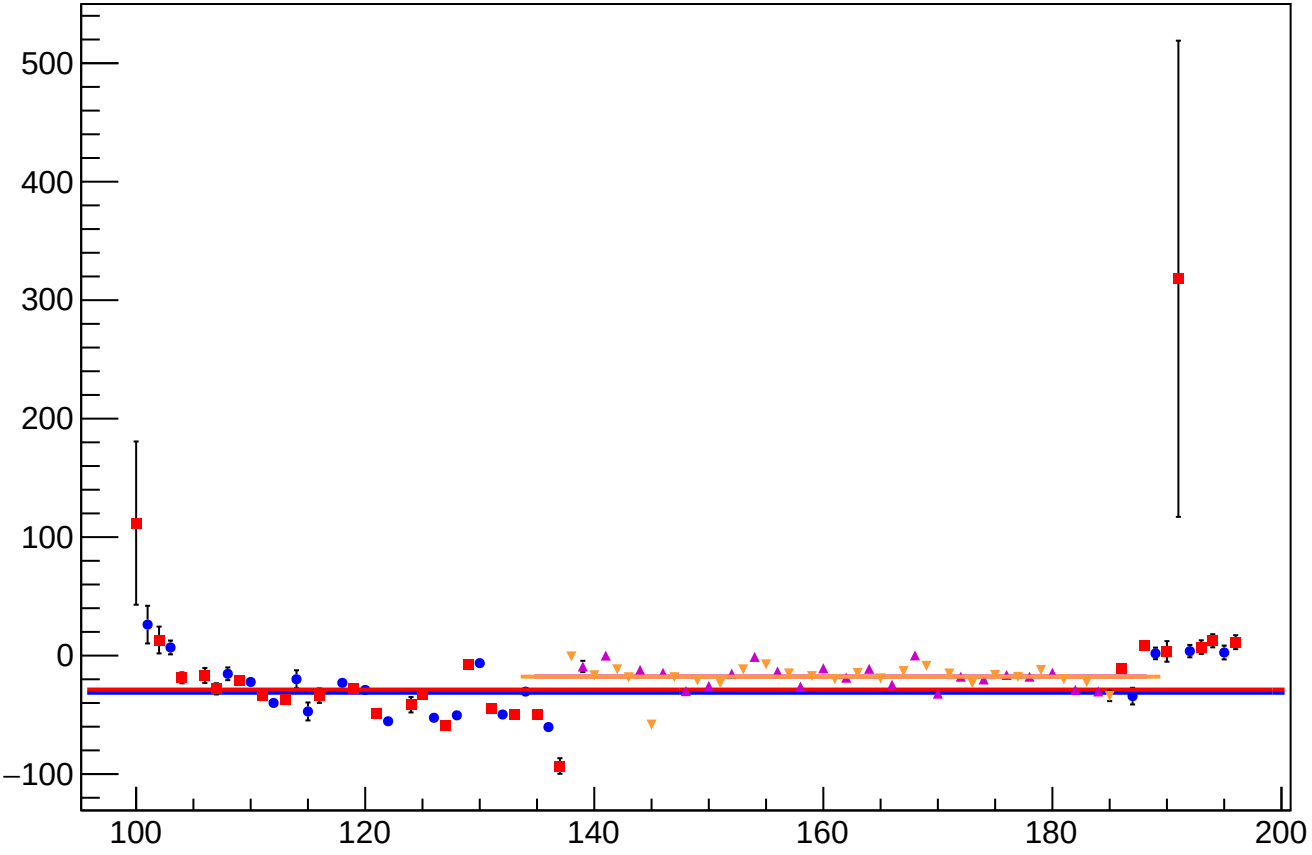
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 7.560+/-0.473 χ^2/NDF: 3307.5/44

All: 8.733+/-0.322 χ^2/NDF: 8577.9/93

- sign 9.747+/-0.440 χ^2/NDF: 5259.0/48

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -31.363+/-0.934 χ^2/NDF: 484.4/19

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -28.656+/-0.863 χ^2/NDF: 673.1/25

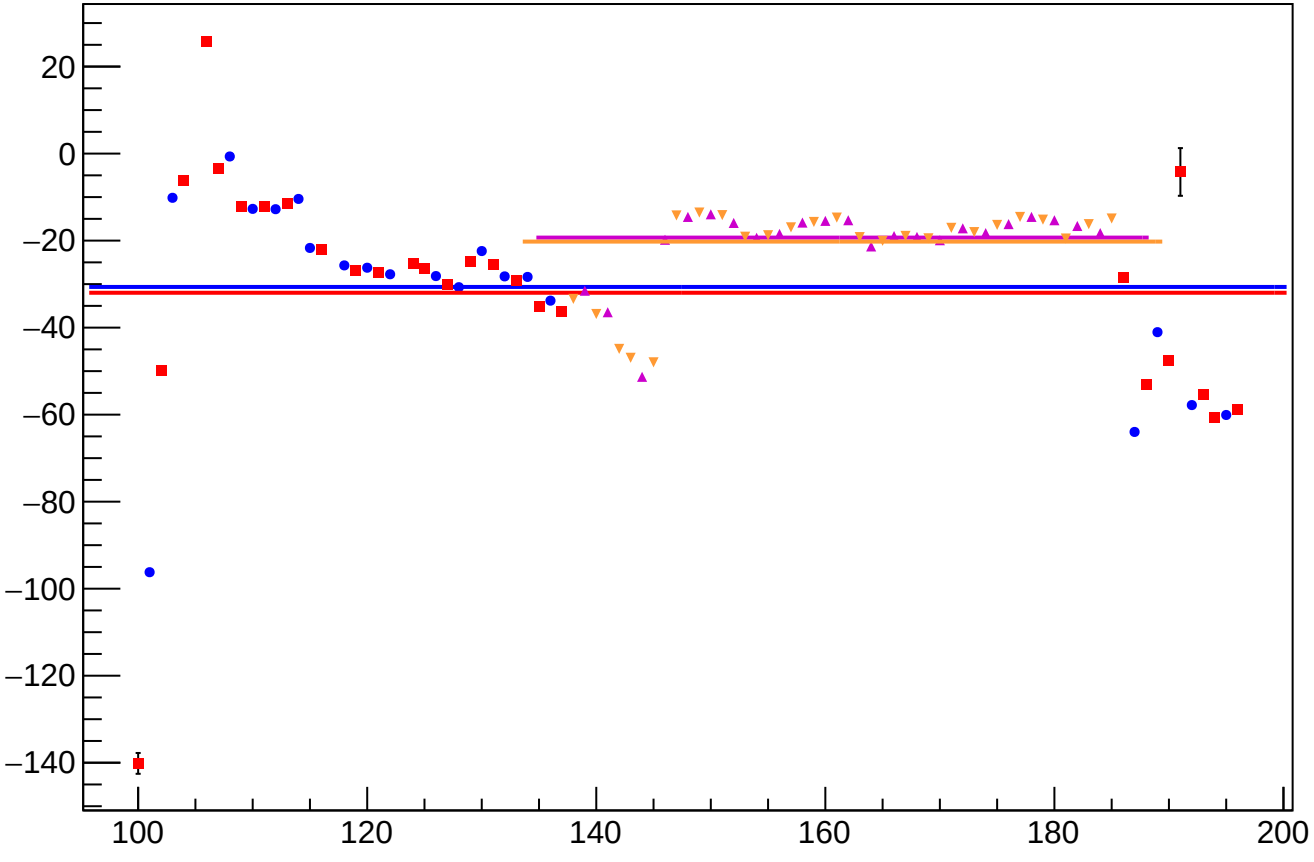
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.887+/-0.447 χ^2/NDF: 899.3/44

All: -20.758+/-0.317 χ^2/NDF: 1977.3/93

- sign -20.628+/-0.449 χ^2/NDF: 1077.8/48

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -30.649+/-0.050 χ^2/NDF: 131977.5/19

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -31.986+/-0.047 χ^2/NDF: 216402.0/25

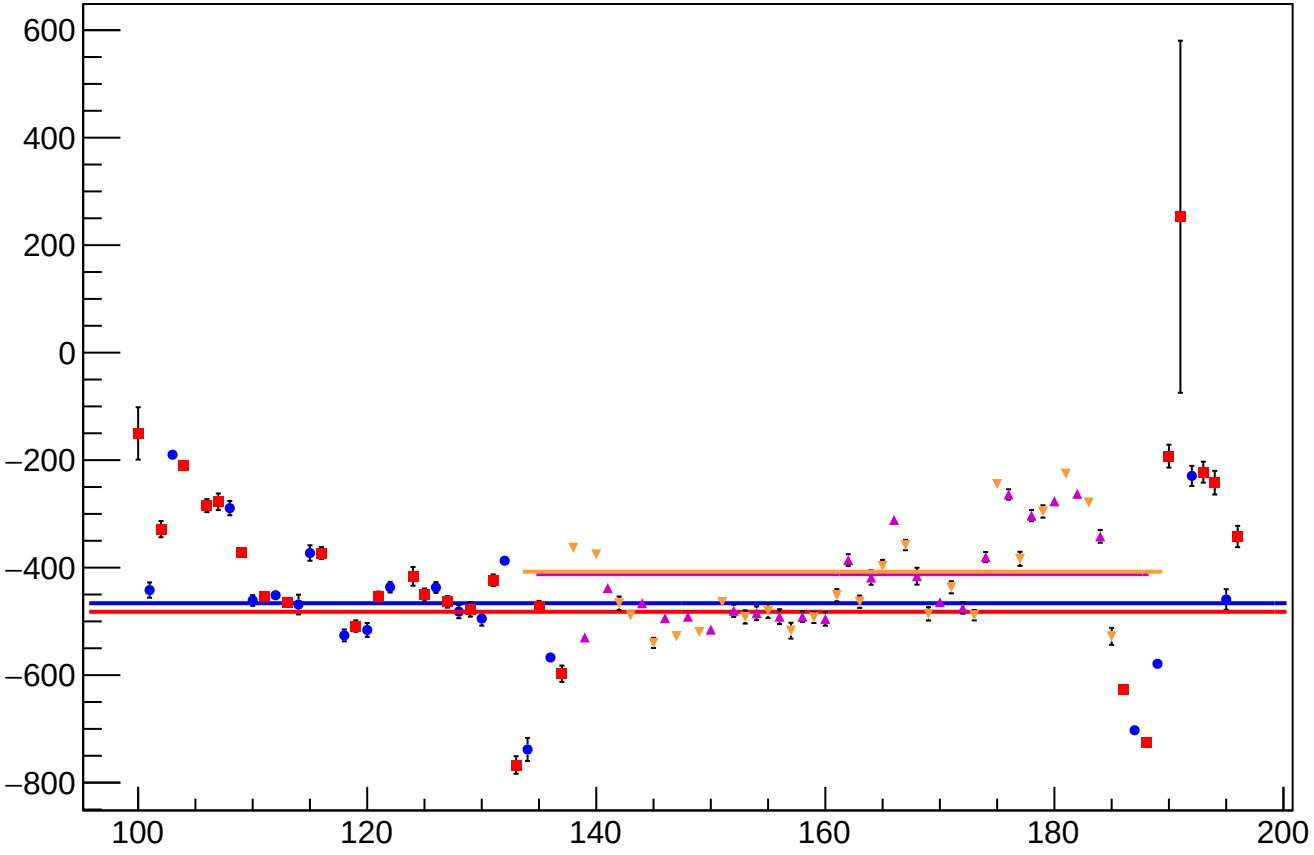
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -22.007+/-0.021 χ^2/NDF: 314833.2/44

All: -21.896+/-0.015 χ^2/NDF: 682354.2/93

- sign -21.785+/-0.021 χ^2/NDF: 367464.6/48

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -466.175+/-2.442 χ^2/NDF: 2622.7/19

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -482.156+/-2.106 χ^2/NDF: 5767.1/25

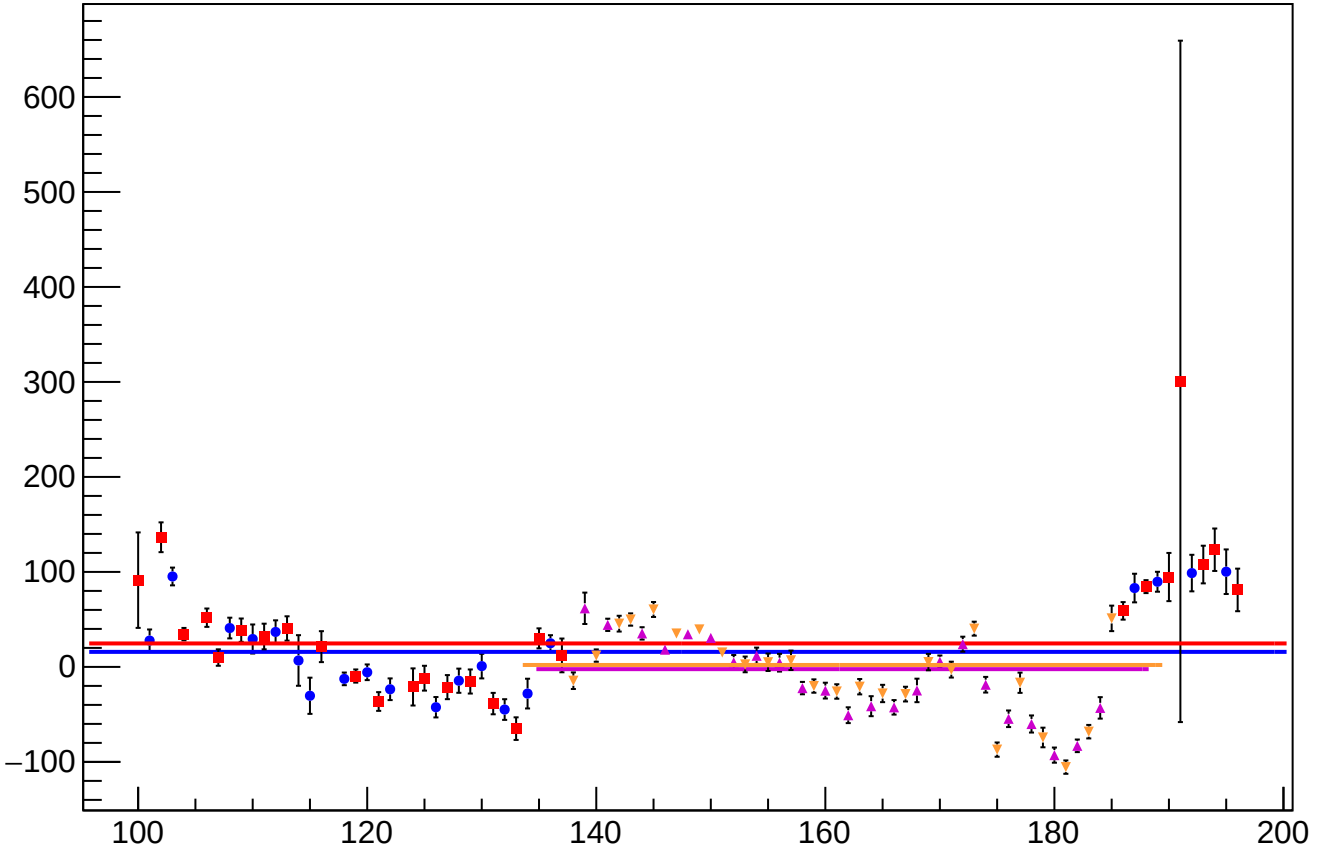
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

\+ sign -430.393+/-1.524 χ^2/NDF: 5847.0/44

All: -438.284+/-1.052 χ^2/NDF: 14427.0/93

\- sign -445.460+/-1.454 χ^2/NDF: 8528.8/48

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 15.829+/-2.562 χ^2/NDF: 302.5/19

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 24.701+/-2.268 χ^2/NDF: 399.7/25

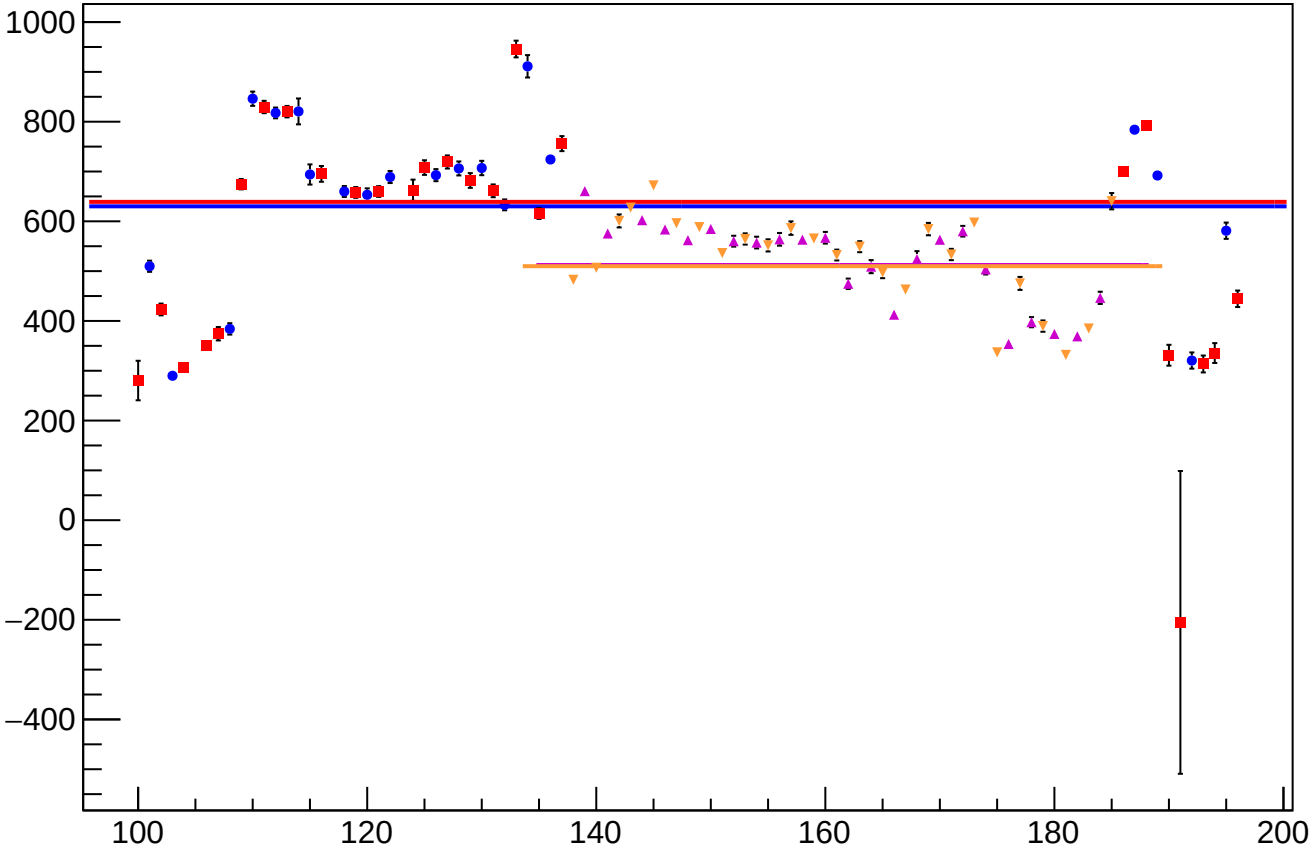
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 5.298+/-1.246 χ^2/NDF: 1235.4/44

All: 5.518+/-0.879 χ^2/NDF: 2468.3/93

\- sign 5.736+/-1.241 χ^2/NDF: 1232.8/48

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 630.078+/-2.493 χ^2/NDF: 4778.8/19

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 639.073+/-2.061 χ^2/NDF: 7870.5/25

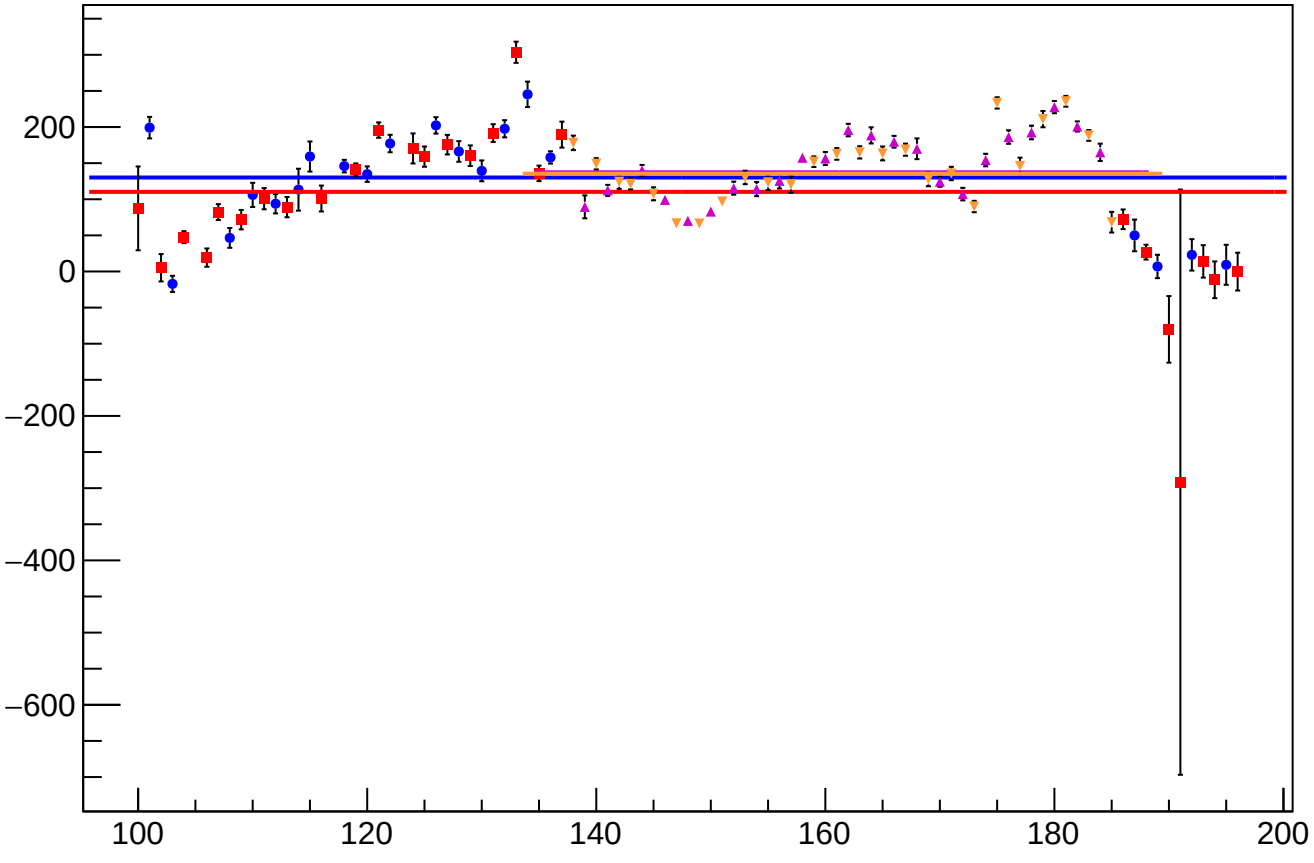
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.097+/-1.529 χ^2/NDF: 8890.6/44

All: 564.780+/-1.044 χ^2/NDF: 20888.4/93

- sign 573.242+/-1.429 χ^2/NDF: 11922.6/48

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 130.129+/-3.015 χ^2/NDF: 510.5/19

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 110.257+/-2.741 χ^2/NDF: 682.9/25

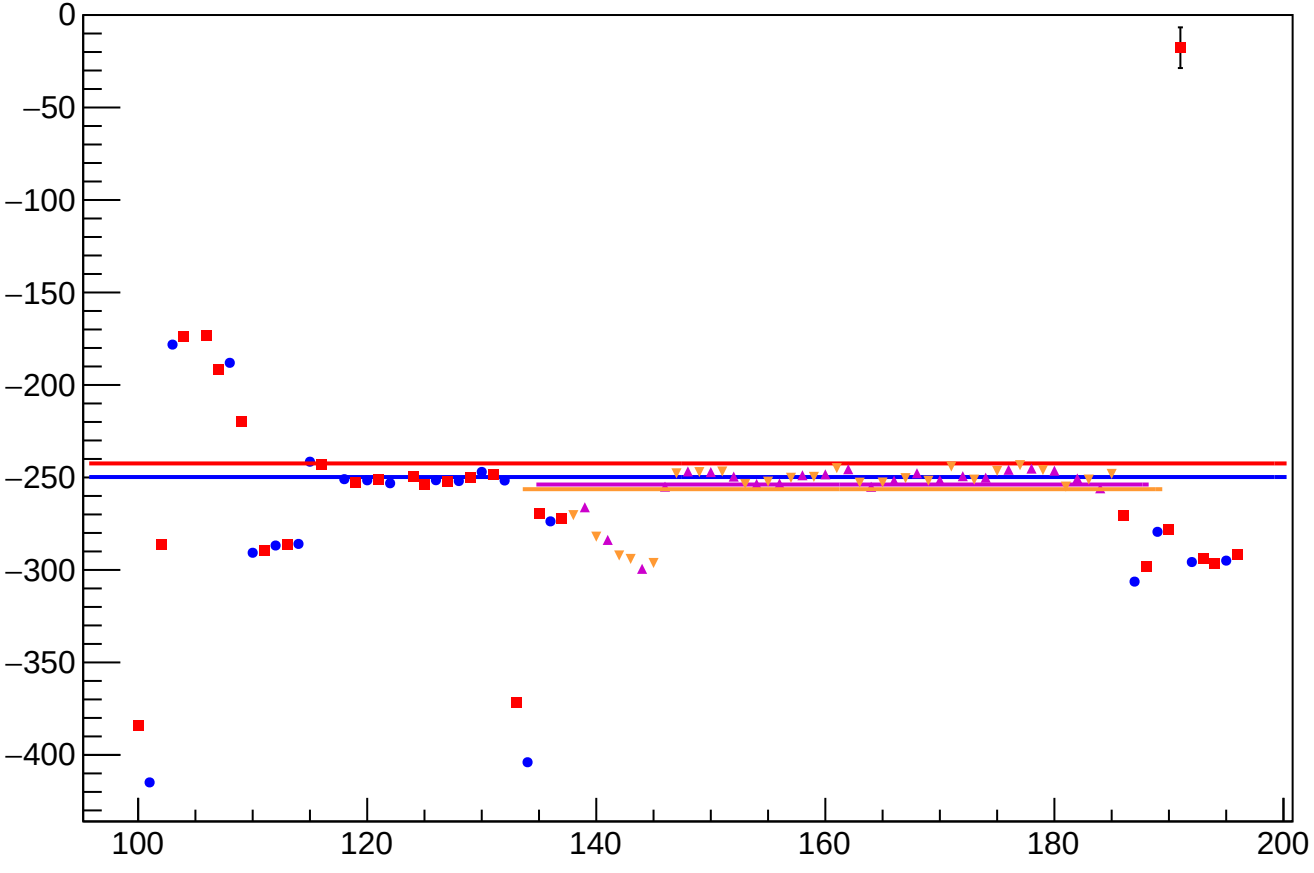
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 134.192+/-1.447 χ^2/NDF: 1436.0/44

All: 132.009+/-1.023 χ^2/NDF: 2900.0/93

- sign 129.829+/-1.446 χ^2/NDF: 1459.4/48

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -249.774+/-0.151 χ^2/NDF: 185875.4/19

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -242.419+/-0.141 χ^2/NDF: 134570.8/25

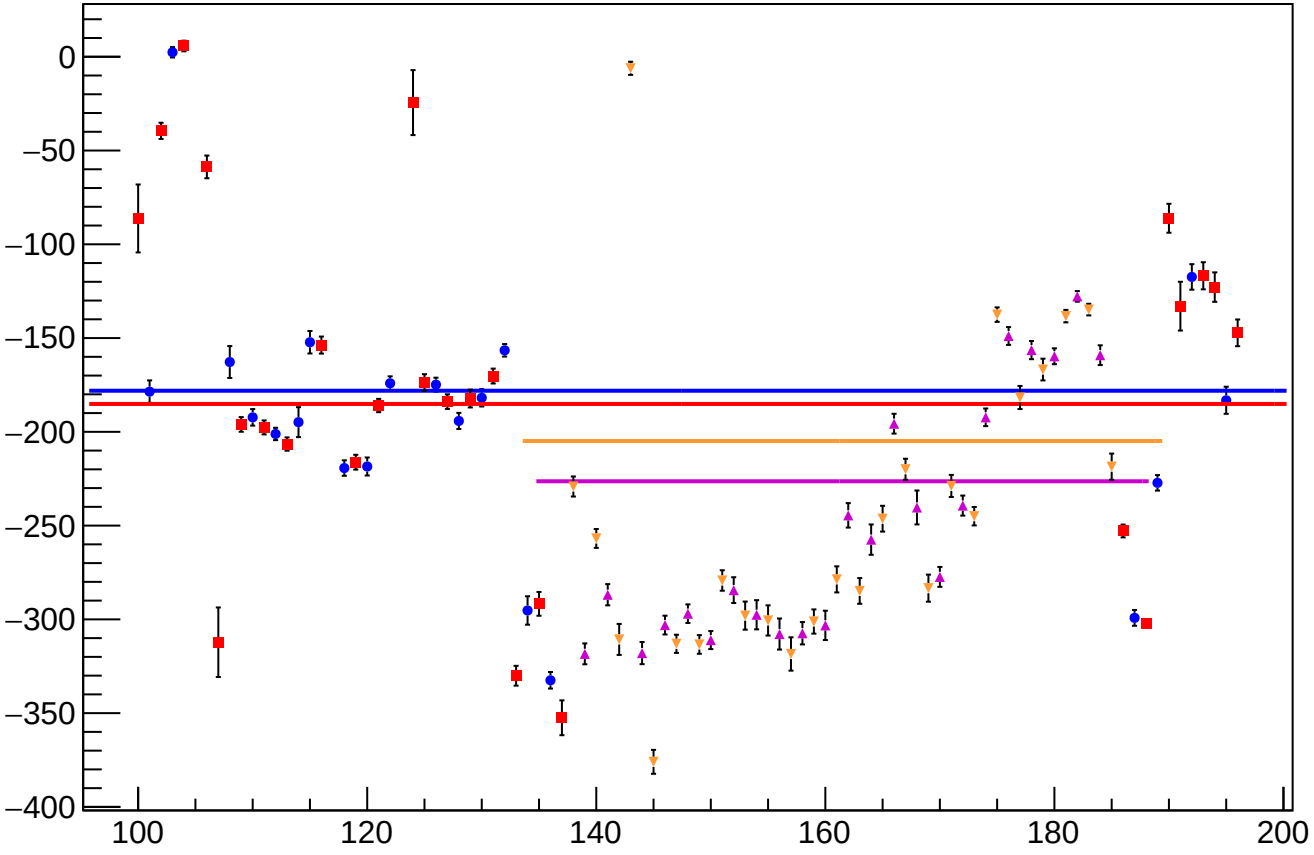
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.993+/-0.069 χ^2/NDF: 226885.6/44

All: -253.058+/-0.048 χ^2/NDF: 392128.9/93

- sign -251.151+/-0.068 χ^2/NDF: 163664.5/48

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -178.081+/-0.990 χ^2/NDF: 7035.0/19

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.134+/-0.884 χ^2/NDF: 11211.5/25

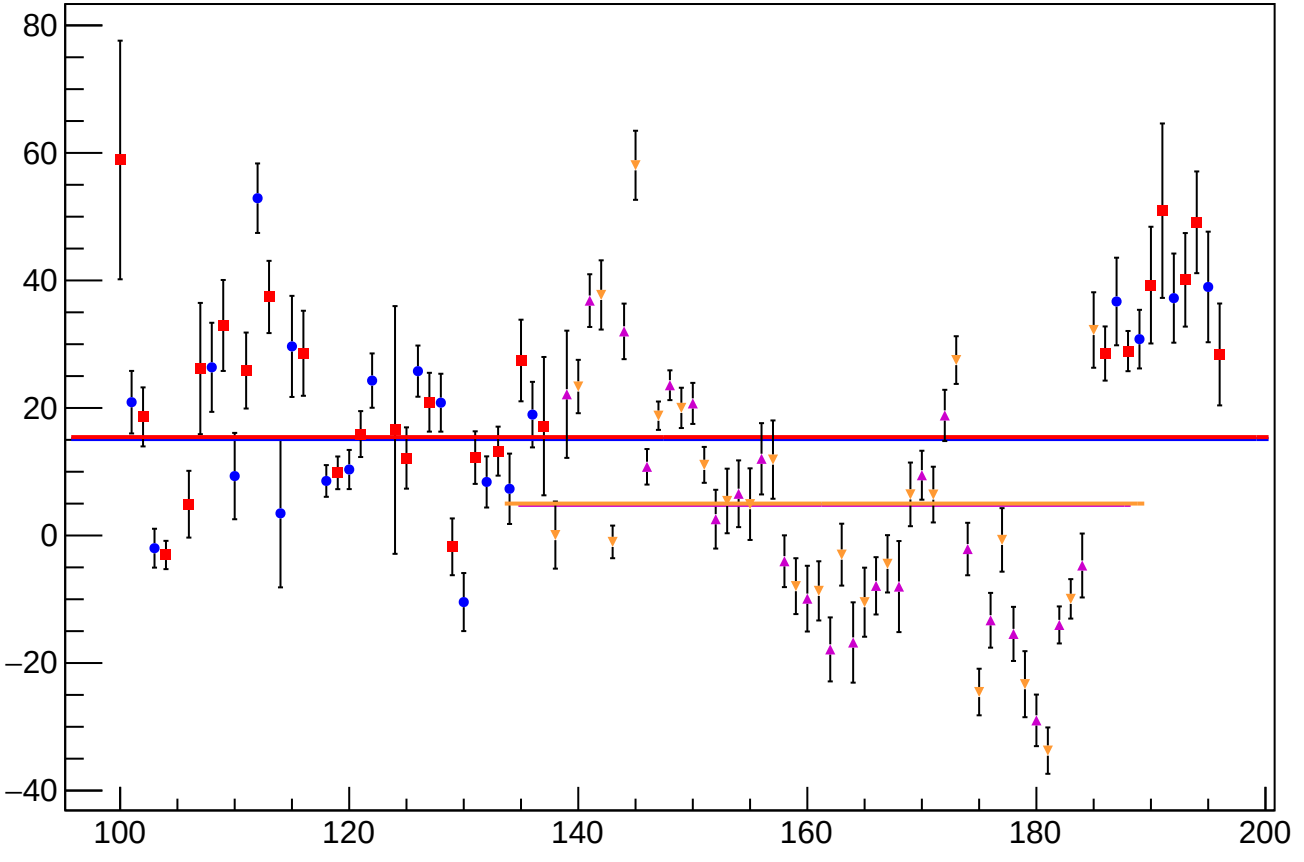
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.678+/-0.721 χ^2/NDF: 15205.6/44

All: -196.185+/-0.499 χ^2/NDF: 31596.6/93

- sign -201.236+/-0.691 χ^2/NDF: 16279.2/48

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 15.123+/-1.018 χ^2/NDF: 187.2/19

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.432+/-0.930 χ^2/NDF: 207.7/25

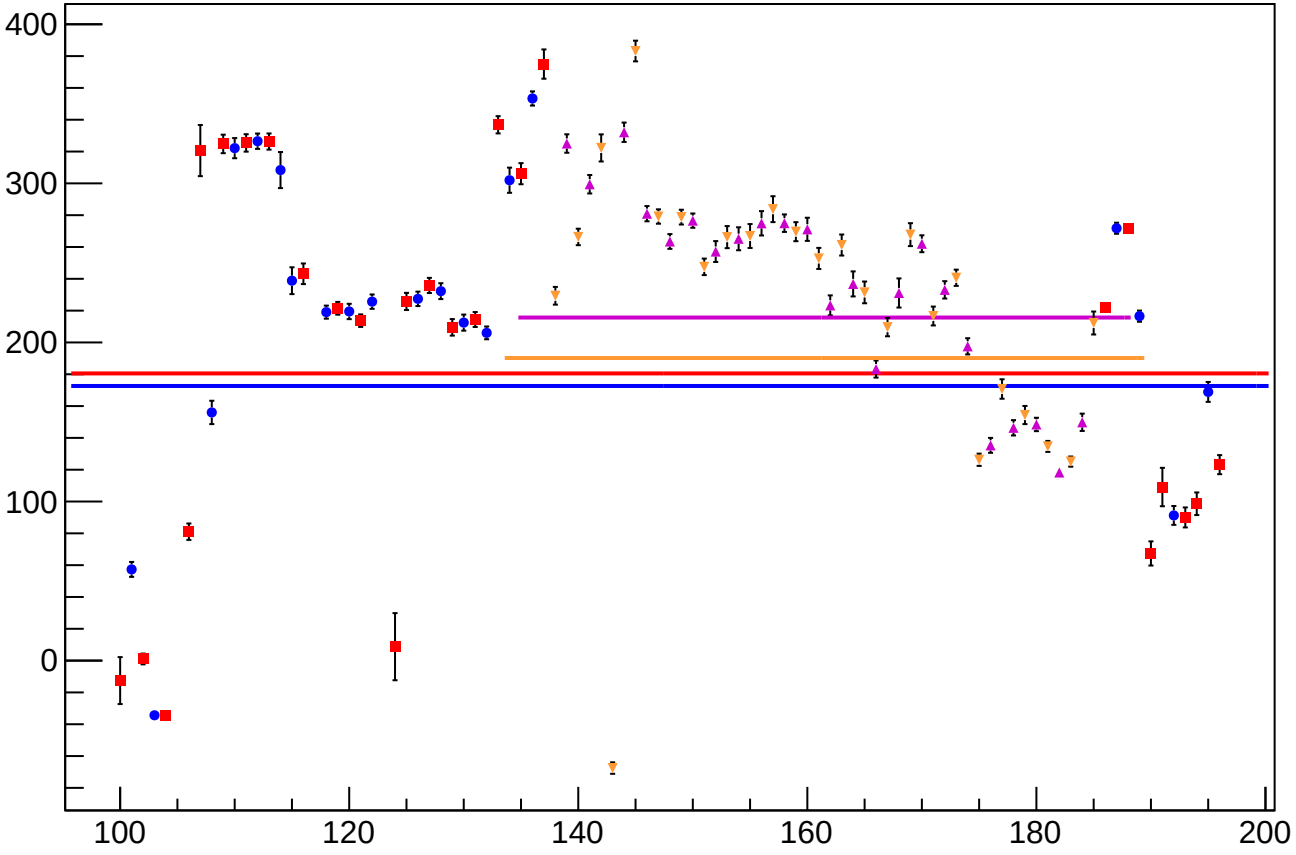
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.829+/-0.626 χ^2/NDF: 797.2/44

All: 9.222+/-0.443 χ^2/NDF: 1503.5/93

- sign 9.616+/-0.626 χ^2/NDF: 705.5/48

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 172.633+/-1.005 χ^2/NDF: 15230.0/19

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 180.525+/-0.861 χ^2/NDF: 20433.0/25

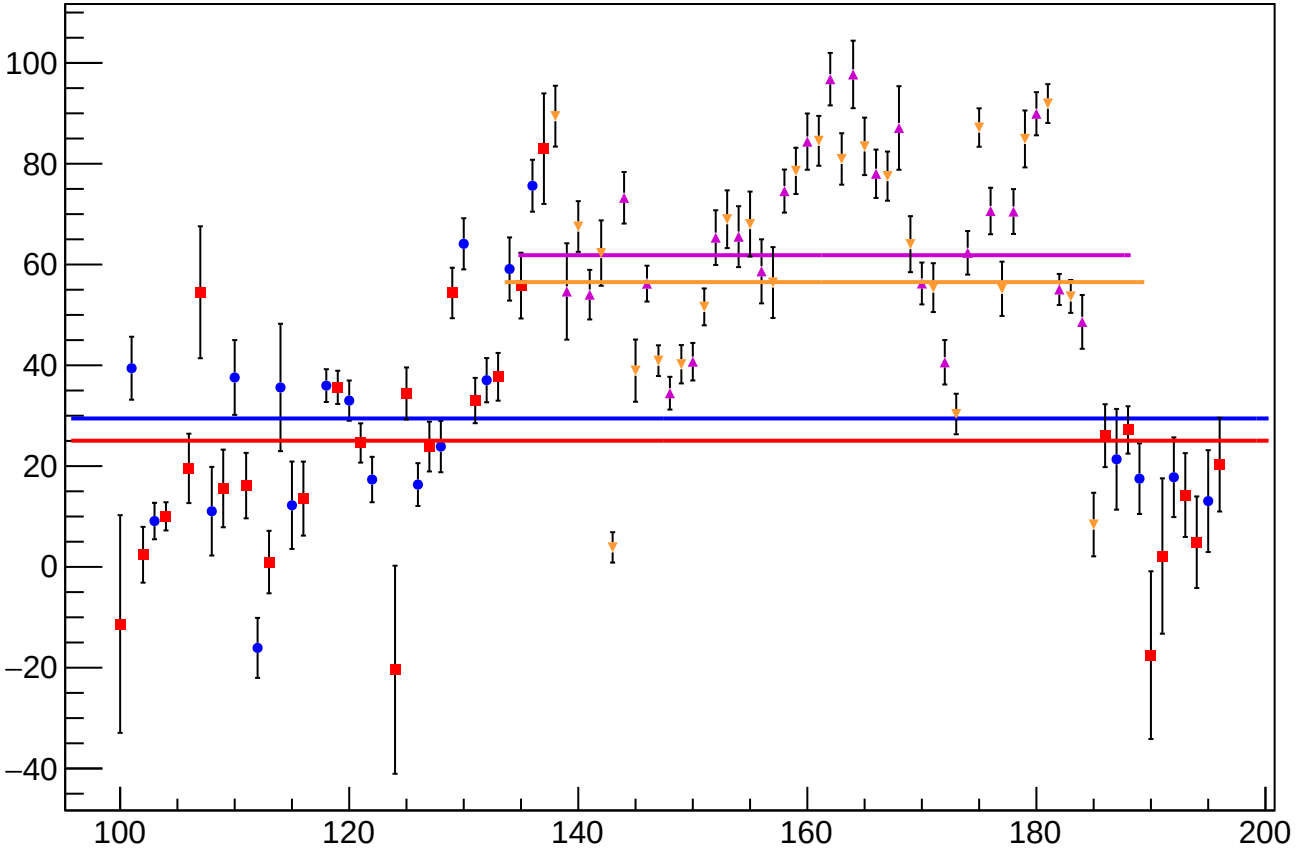
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.041+/-0.726 χ^2/NDF: 24760.3/44

All: 187.912+/-0.495 χ^2/NDF: 49880.3/93

- sign 193.900+/-0.678 χ^2/NDF: 24952.3/48

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 29.454+/-1.203 χ^2/NDF: 286.0/19

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

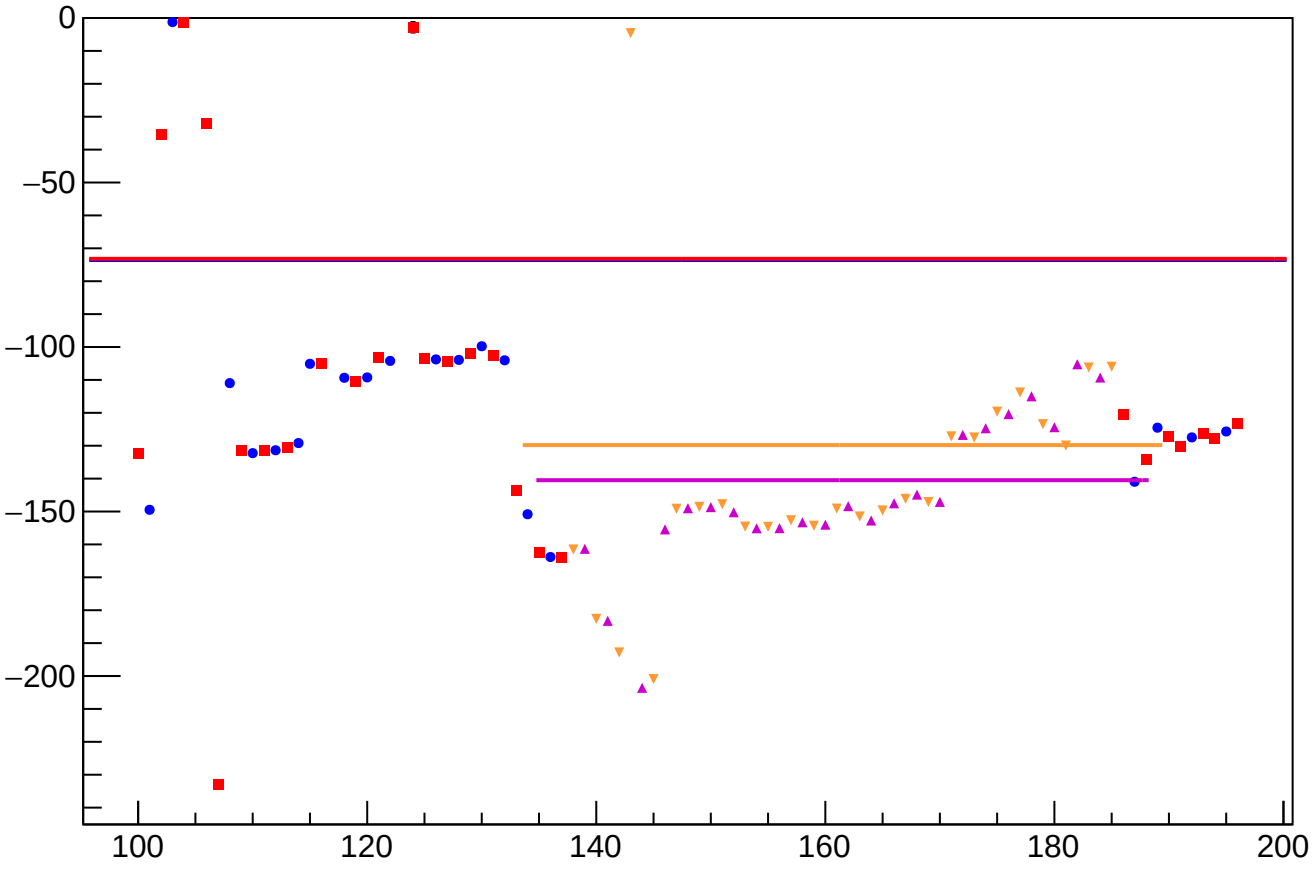
Right Out: 25.045+/-1.121 χ^2/NDF: 204.1/25

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.674+/-0.725 χ^2/NDF: 1407.1/44

All: 46.460+/-0.514 χ^2/NDF: 2553.5/93

- sign 46.244+/-0.730 χ^2/NDF: 1146.2/48



Right In: -73.549+/-0.059 χ^2/NDF: 1180845.9/19

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 -110.843+/-0.034 χ^2/NDF: 2806221.6/44

All: -112.641+/-0.024 χ^2/NDF: 5141215.4/93

- sign -114.424+/-0.034 χ^2/NDF: 2329530.9/48

reg_asym_atl_dd_diff_bpm1X_slope vs Slug

Right In: 162.211+/-0.819 χ^2/NDF: 3584.1/19

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.827+/-0.739 χ^2/NDF: 8027.0/25

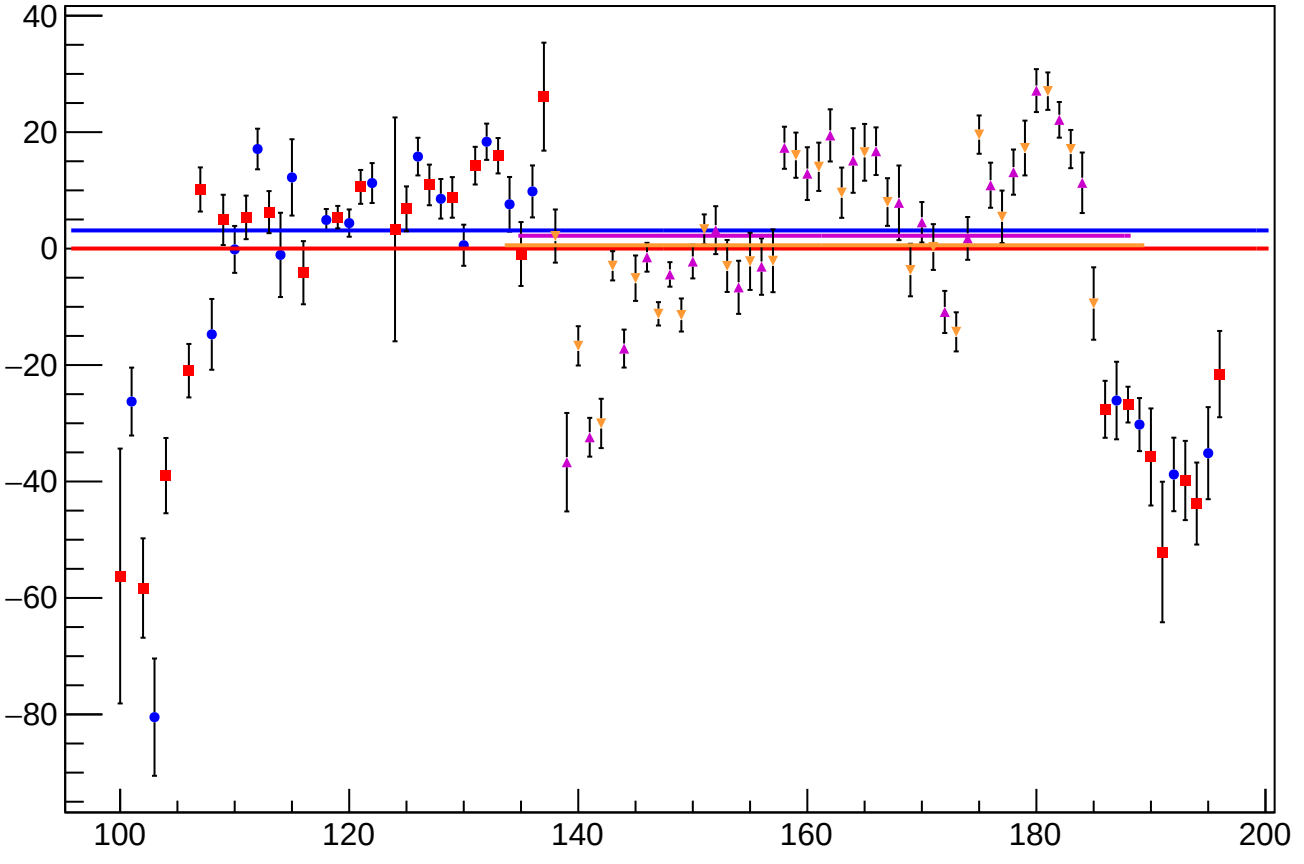
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.720+/-0.621 χ^2/NDF: 10153.4/44

All: 182.762+/-0.430 χ^2/NDF: 22241.5/93

- sign 185.553+/-0.595 χ^2/NDF: 12042.1/48

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 3.118+/-0.853 χ^2/NDF: 314.5/19

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 0.011+/-0.818 χ^2/NDF: 446.3/25

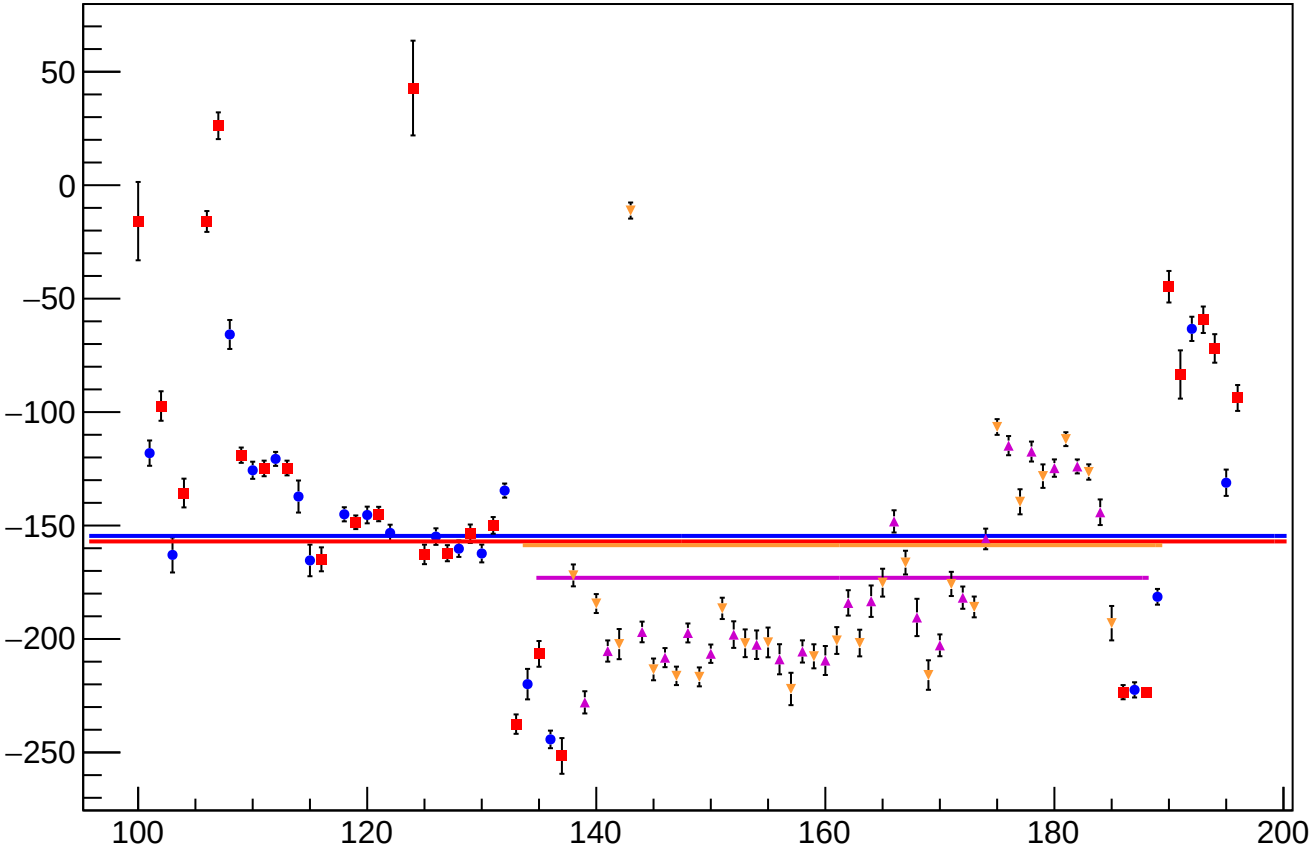
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

\+ sign 1.621+/-0.548 χ^2/NDF: 665.2/44

All: 1.410+/-0.391 χ^2/NDF: 1473.8/93

\- sign 1.191+/-0.557 χ^2/NDF: 808.3/48

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.570+/-0.918 χ^2/NDF: 1897.1/19

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -157.004+/-0.802 χ^2/NDF: 5860.3/25

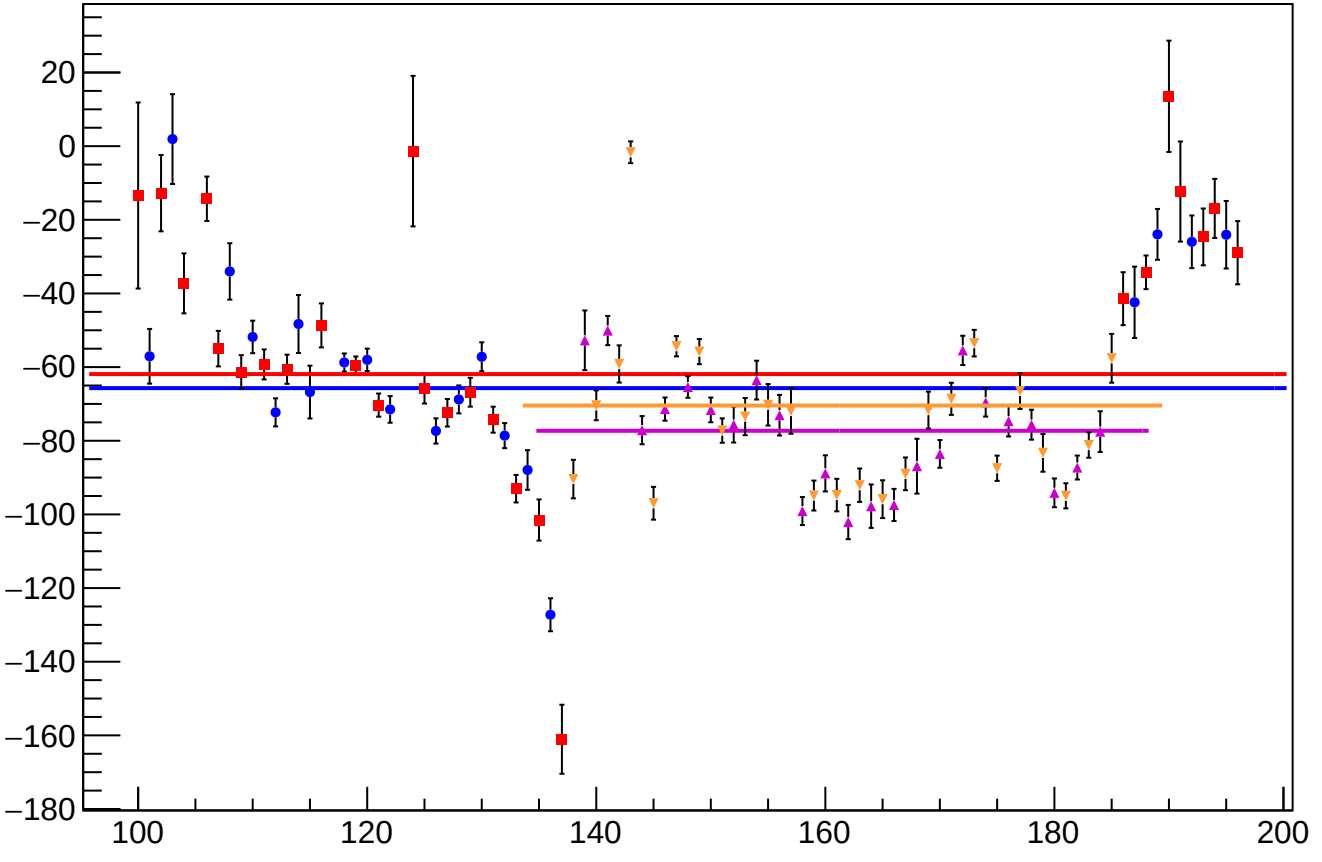
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.542+/-0.660 χ^2/NDF: 5398.4/44

All: -160.118+/-0.454 χ^2/NDF: 12871.5/93

- sign -163.320+/-0.625 χ^2/NDF: 7417.5/48

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.709+/-1.000 χ^2/NDF: 415.6/19

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.896+/-0.964 χ^2/NDF: 528.3/25

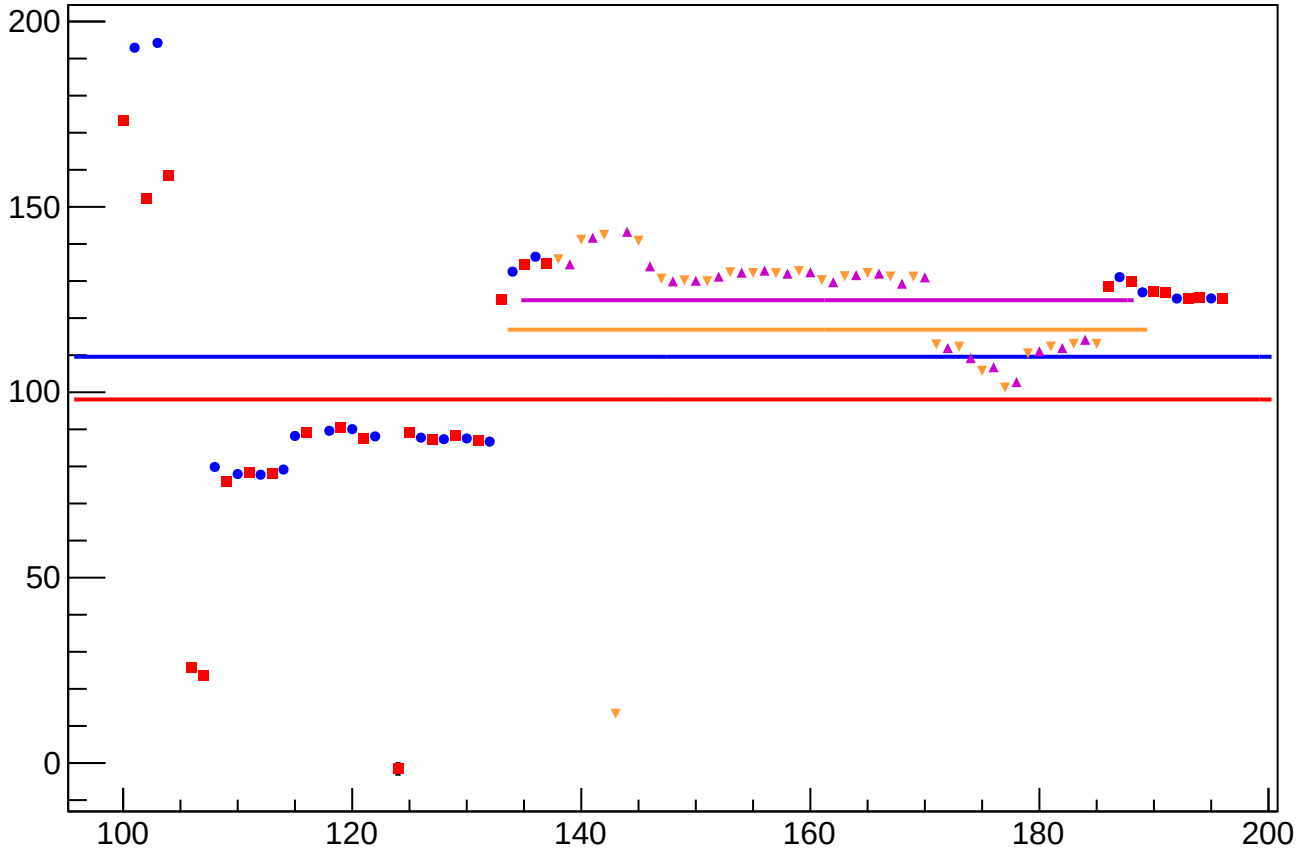
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.527+/-0.635 χ^2/NDF: 1330.5/44

All: -69.456+/-0.452 χ^2/NDF: 2258.7/93

- sign -70.413+/-0.644 χ^2/NDF: 923.8/48

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 109.576+/-0.064 χ^2/NDF: 255793.1/19

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 98.051+/-0.056 χ^2/NDF: 468868.6/25

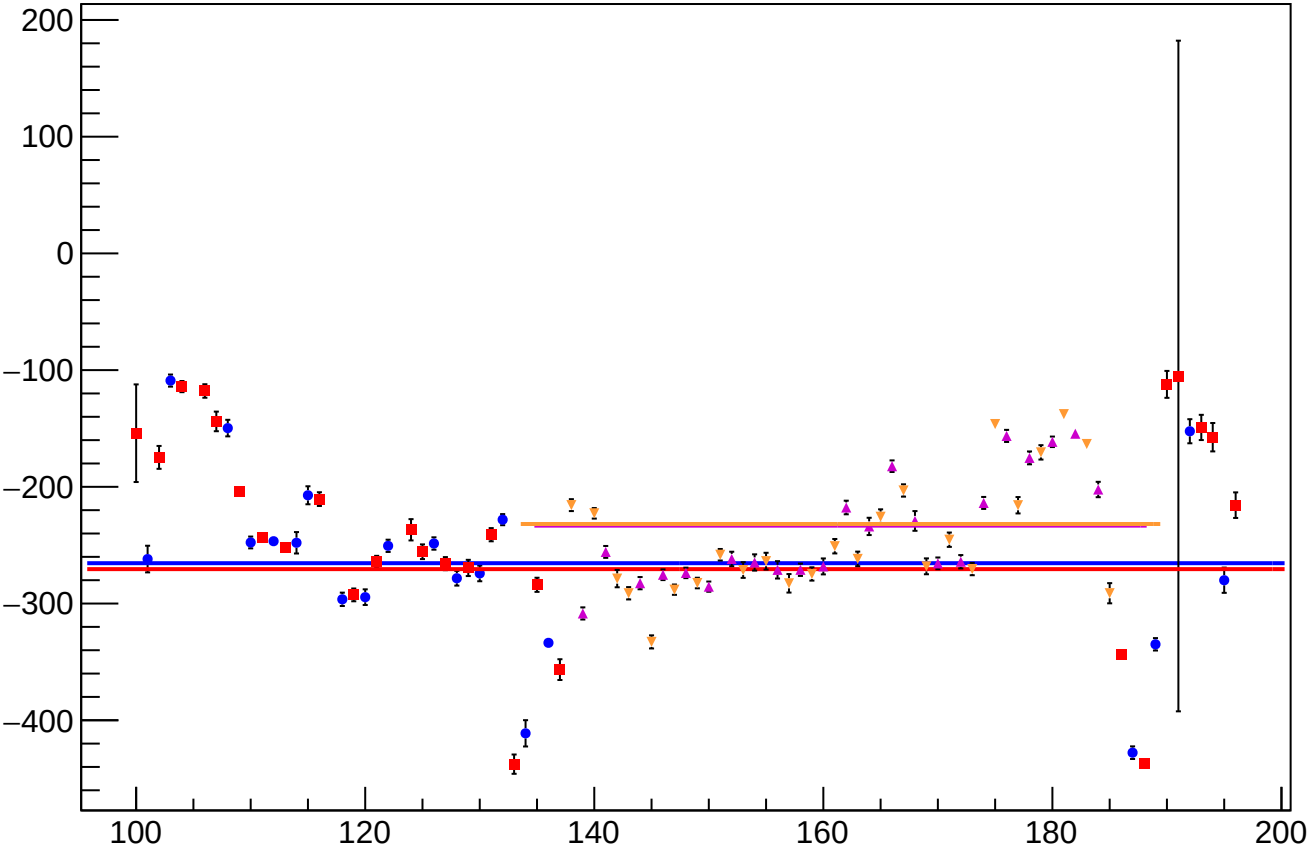
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.955+/-0.033 χ^2/NDF: 888599.2/44

All: 115.499+/-0.023 χ^2/NDF: 1598276.5/93

- sign 116.027+/-0.032 χ^2/NDF: 709131.3/48

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -265.434+/-1.323 χ^2/NDF: 3032.1/19

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -270.513+/-1.136 χ^2/NDF: 7208.1/25

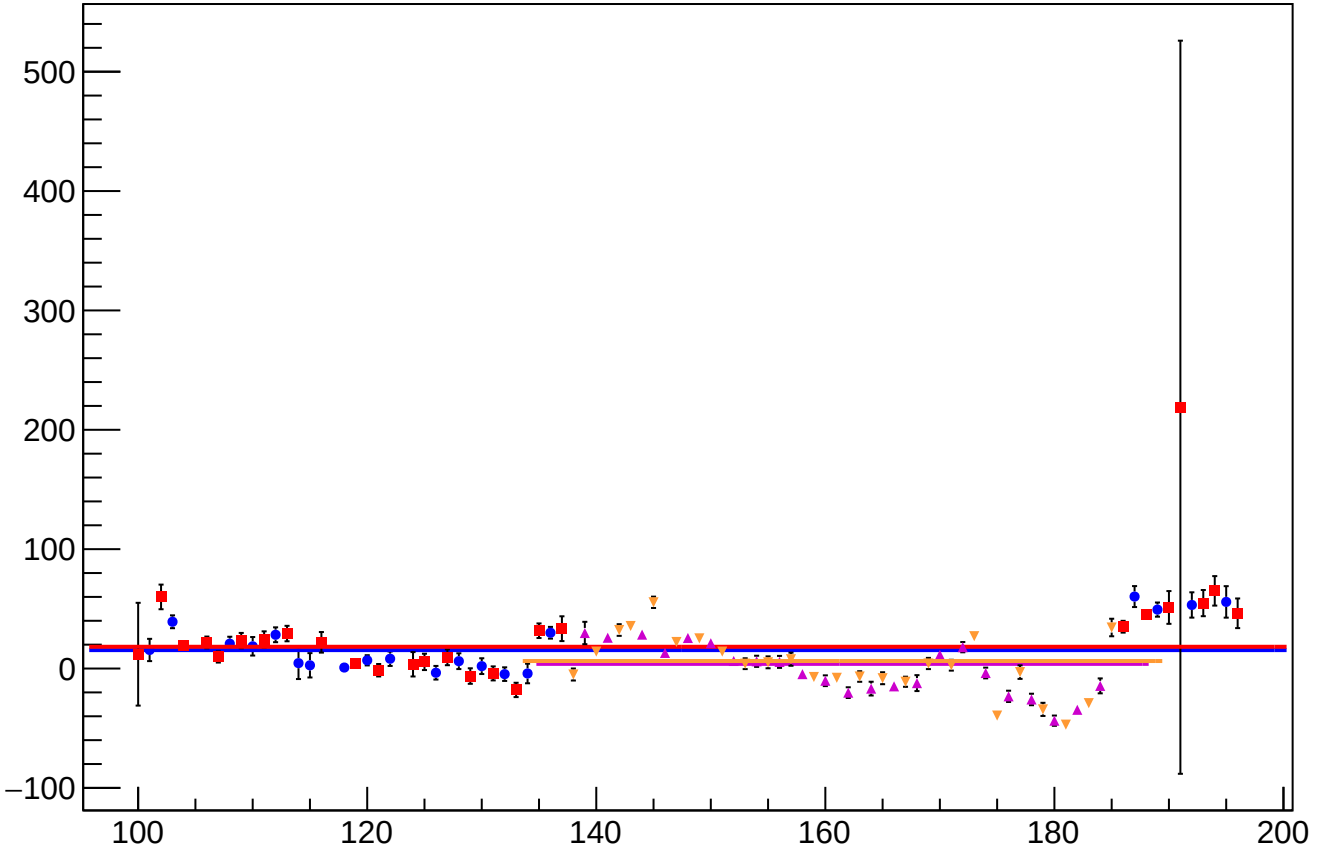
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.276+/-0.837 χ^2/NDF: 6095.3/44

All: -248.509+/-0.576 χ^2/NDF: 15949.9/93

- sign -251.412+/-0.793 χ^2/NDF: 9826.3/48

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 15.429+/-1.389 χ^2/NDF: 175.1/19

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.225+/-1.226 χ^2/NDF: 228.7/25

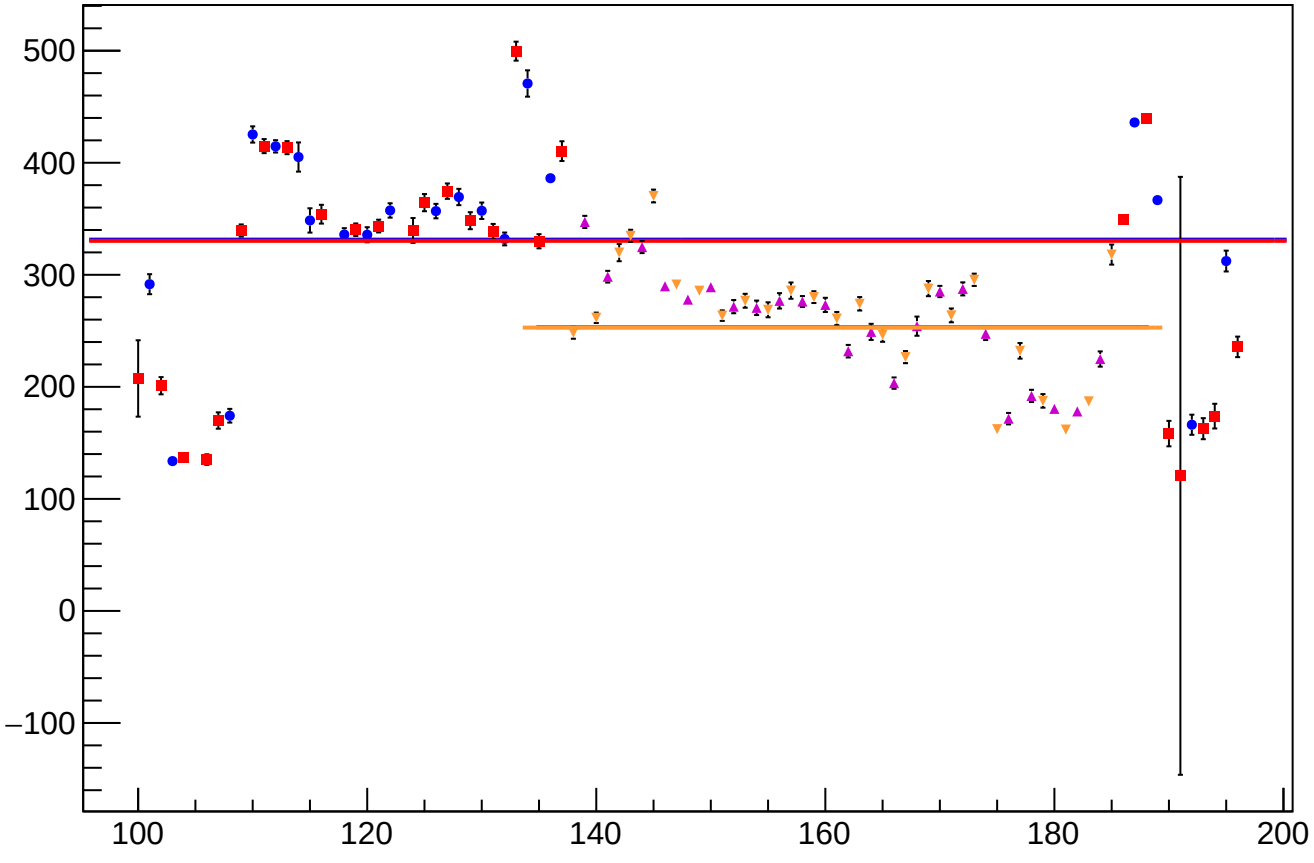
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.519+/-0.686 χ^2/NDF: 1079.3/44

All: 8.416+/-0.483 χ^2/NDF: 2052.7/93

- sign 8.316+/-0.681 χ^2/NDF: 973.3/48

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 331.391+/-1.383 χ^2/NDF: 4810.8/19

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 330.331+/-1.134 χ^2/NDF: 9161.2/25

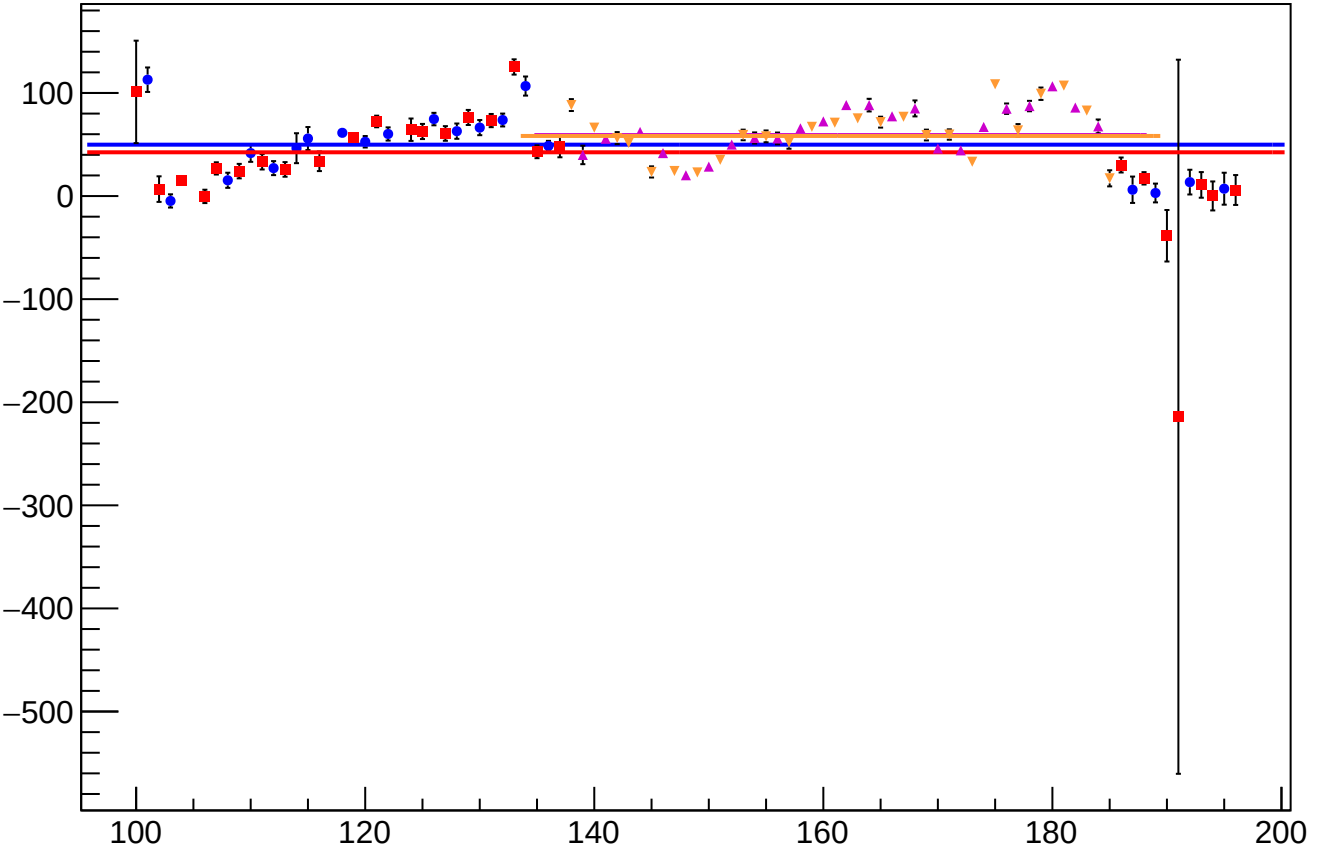
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 282.298+/-0.847 χ^2/NDF: 9404.8/44

All: 286.627+/-0.576 χ^2/NDF: 23068.0/93

\- sign 290.371+/-0.787 χ^2/NDF: 13614.4/48

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 49.851+/-1.631 χ^2/NDF: 276.7/19

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.454+/-1.477 χ^2/NDF: 386.1/25

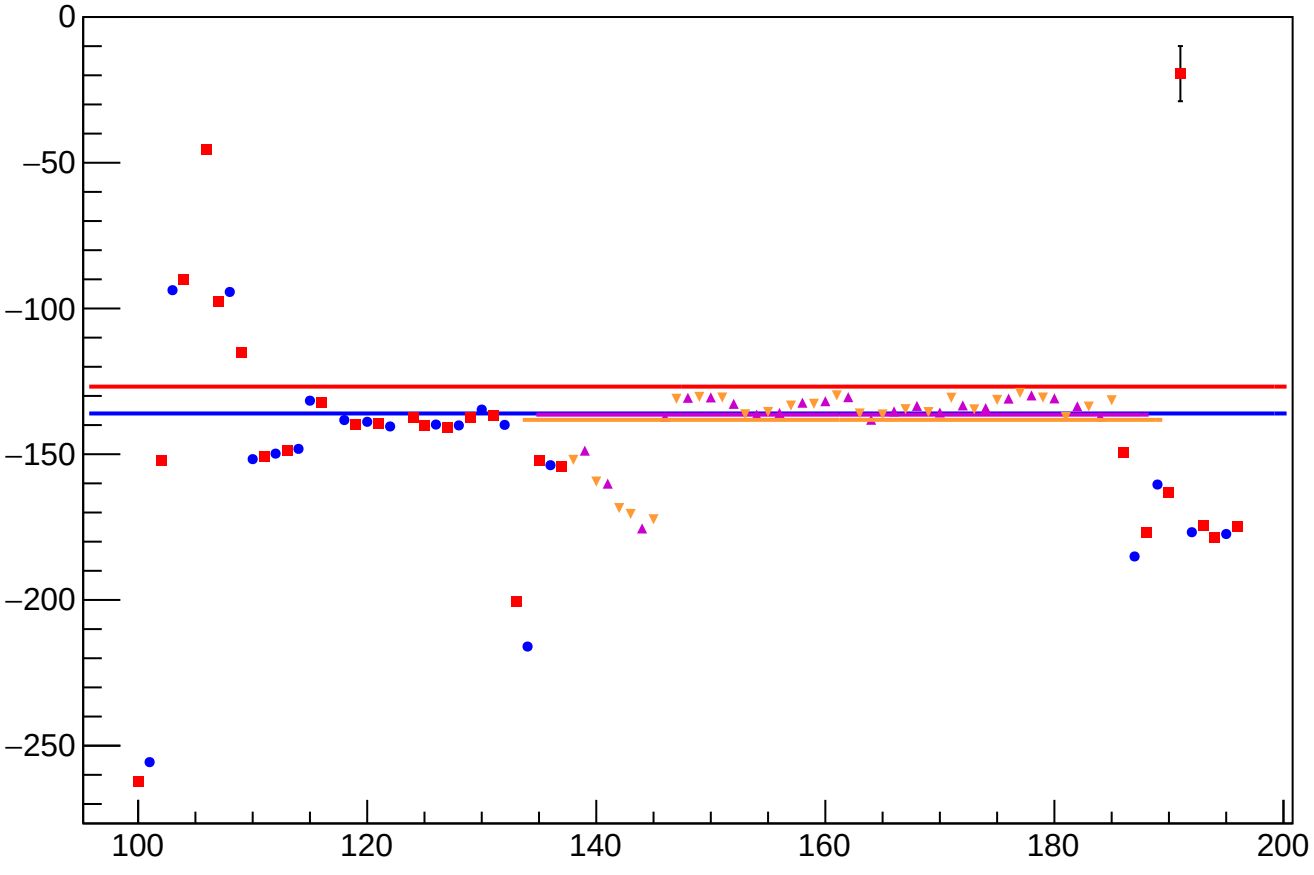
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.295+/-0.796 χ^2/NDF: 1147.4/44

All: 55.318+/-0.561 χ^2/NDF: 2260.1/93

- sign 54.349+/-0.792 χ^2/NDF: 1109.6/48

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -136.021+/-0.085 χ^2/NDF: 205339.9/19

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -126.805+/-0.077 χ^2/NDF: 293169.5/25

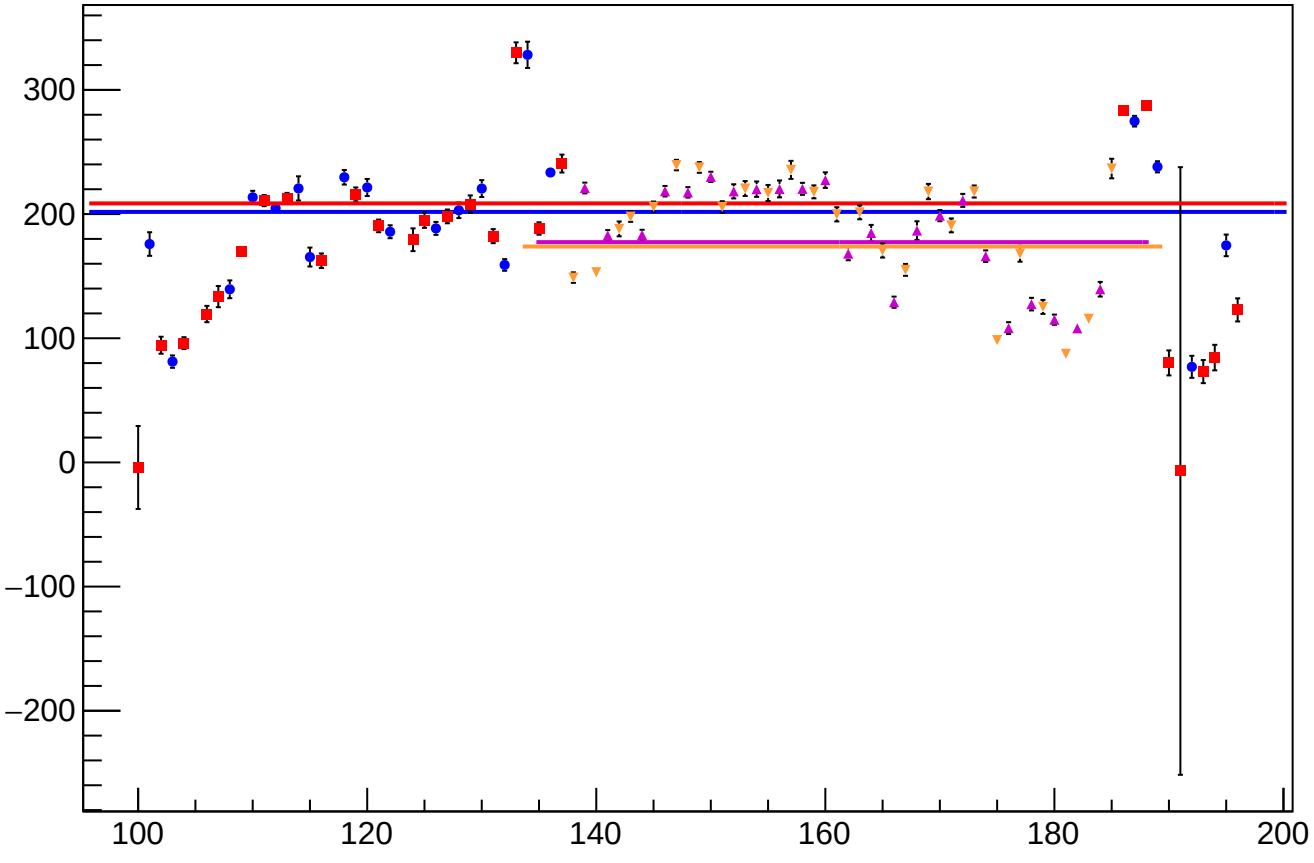
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.776+/-0.038 χ^2/NDF: 287706.0/44

All: -135.939+/-0.027 χ^2/NDF: 647201.8/93

- sign -134.154+/-0.037 χ^2/NDF: 354885.1/48

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 201.746+/-1.255 χ^2/NDF: 1626.7/19

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.611+/-1.068 χ^2/NDF: 3789.9/25

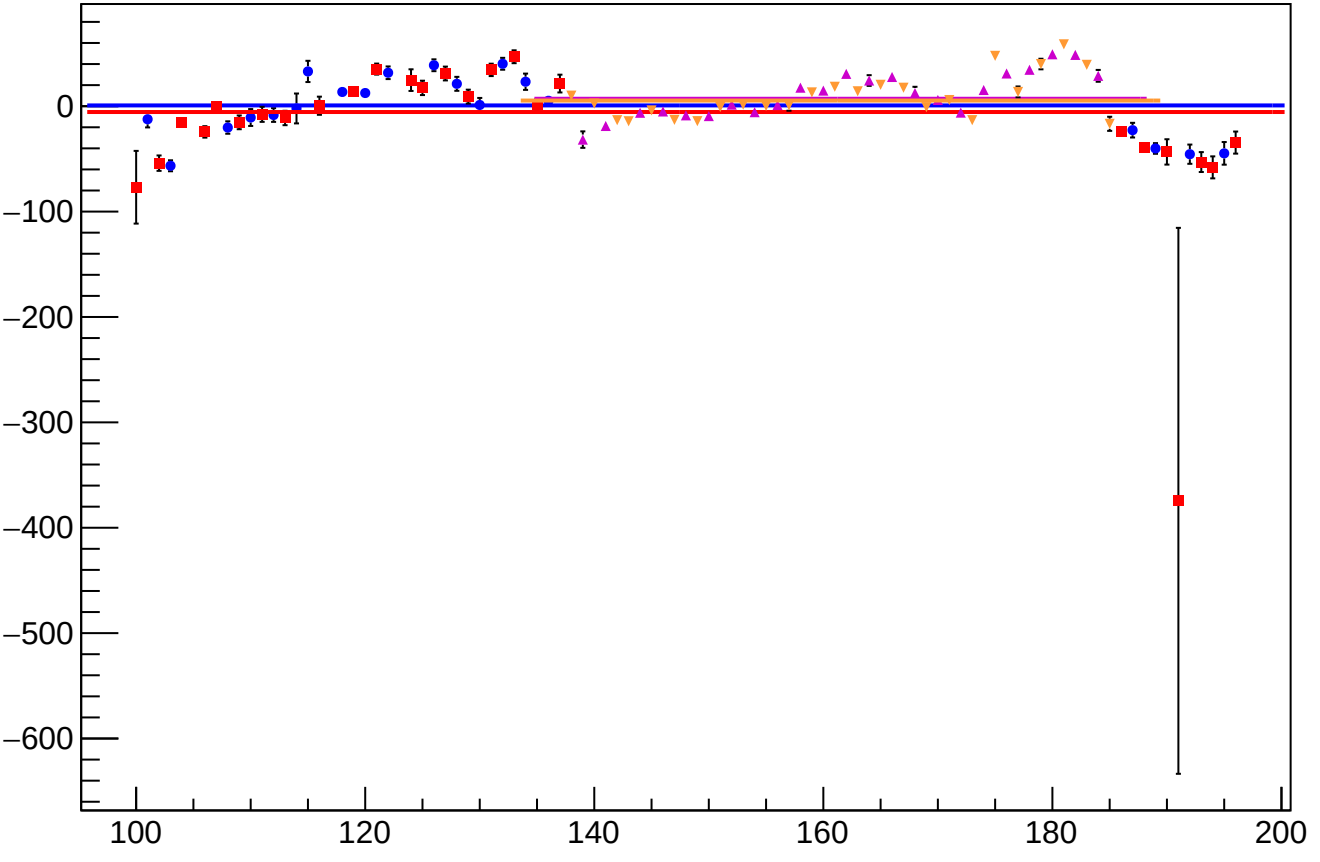
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.186+/-0.763 χ^2/NDF: 4565.2/44

All: 188.231+/-0.527 χ^2/NDF: 10828.6/93

- sign 191.911+/-0.728 χ^2/NDF: 6209.7/48

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 0.741+/-1.335 χ^2/NDF: 432.3/19

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.519+/-1.172 χ^2/NDF: 546.8/25

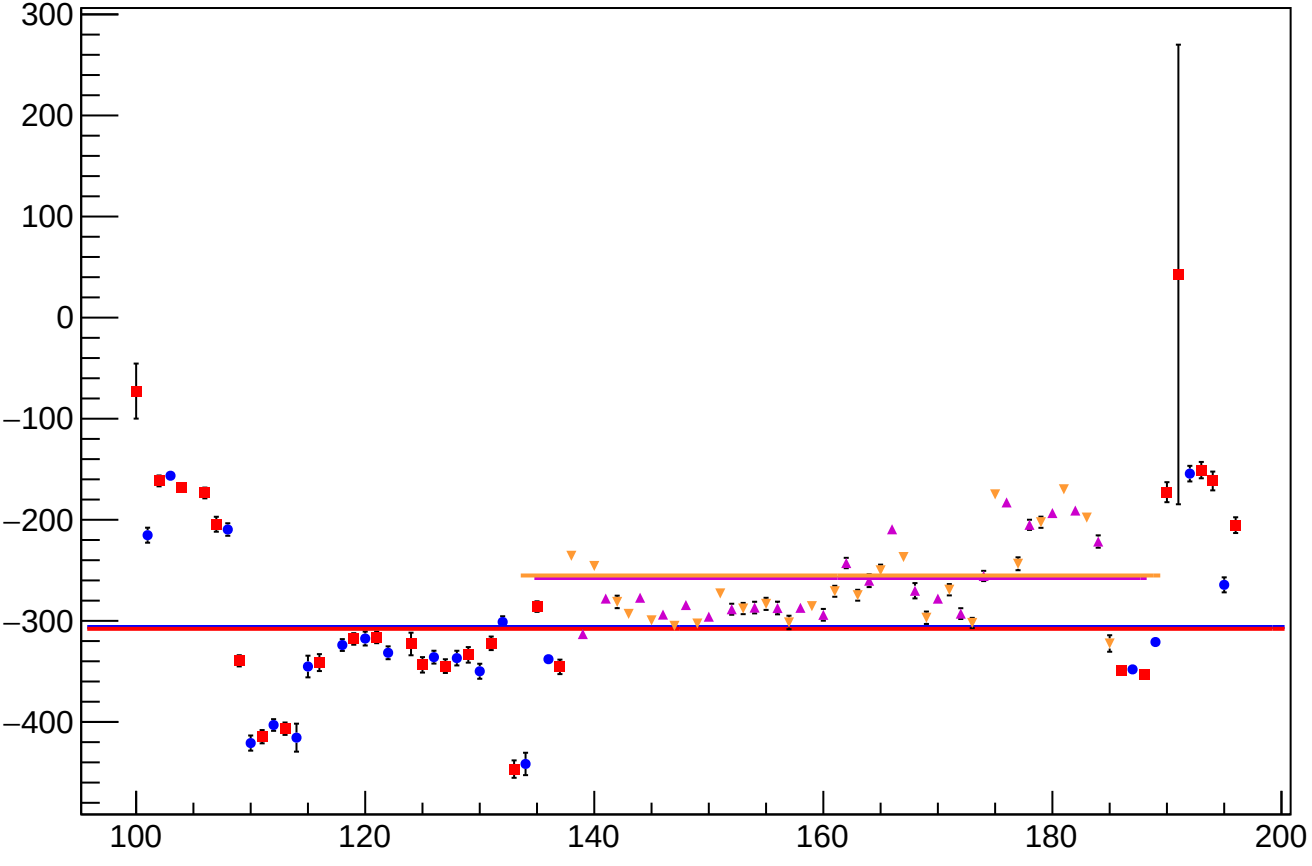
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.343+/-0.627 χ^2/NDF: 1251.6/44

All: 3.905+/-0.443 χ^2/NDF: 2591.3/93

- sign 3.468+/-0.627 χ^2/NDF: 1338.7/48

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -306.096+/-1.275 χ^2/NDF: 3363.9/19

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -307.865+/-1.033 χ^2/NDF: 5777.0/25

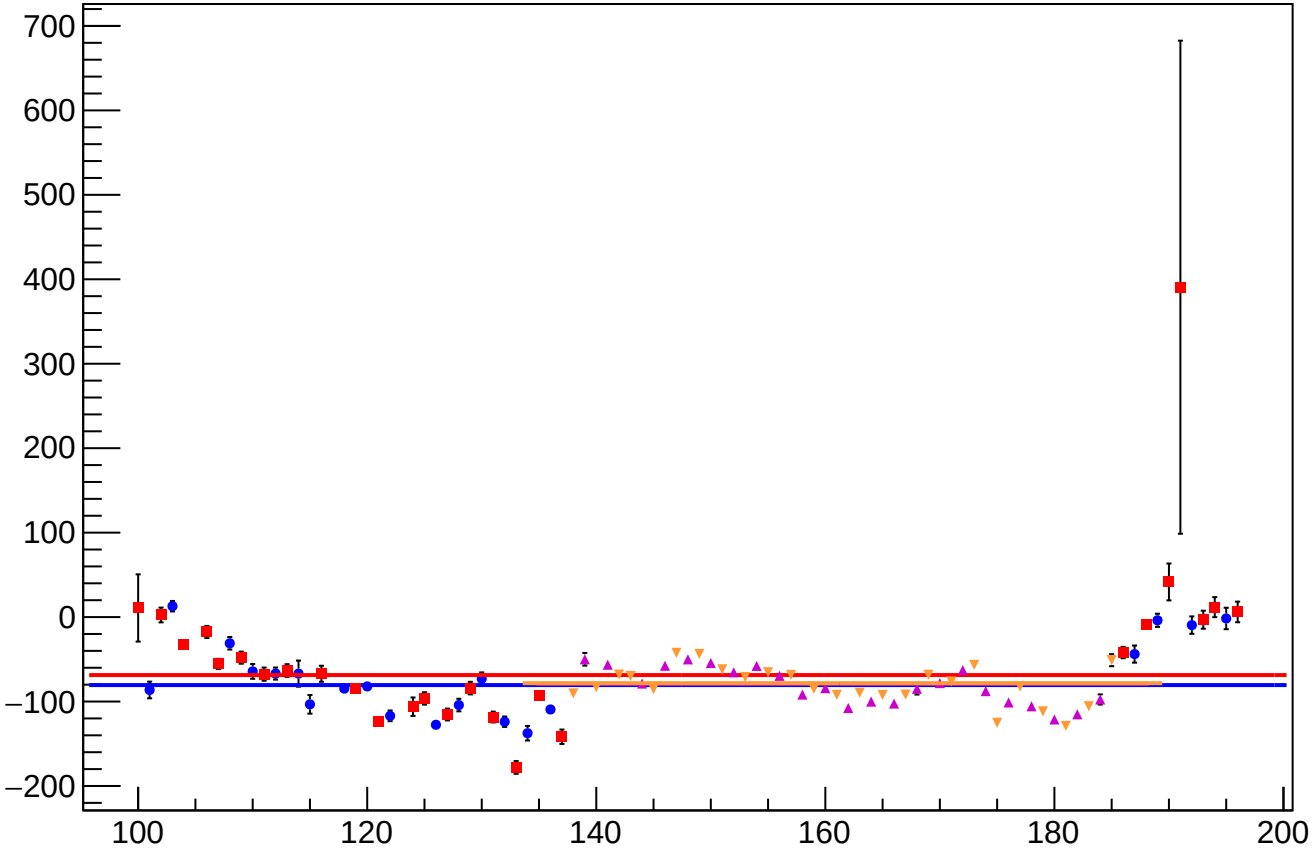
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

\+ sign -273.470+/-0.765 χ^2/NDF: 6731.4/44

All: -277.783+/-0.522 χ^2/NDF: 15615.9/93

\- sign -281.528+/-0.713 χ^2/NDF: 8825.1/48

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -80.515+/-1.568 χ^2/NDF: 729.0/19

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -68.646+/-1.420 χ^2/NDF: 1057.7/25

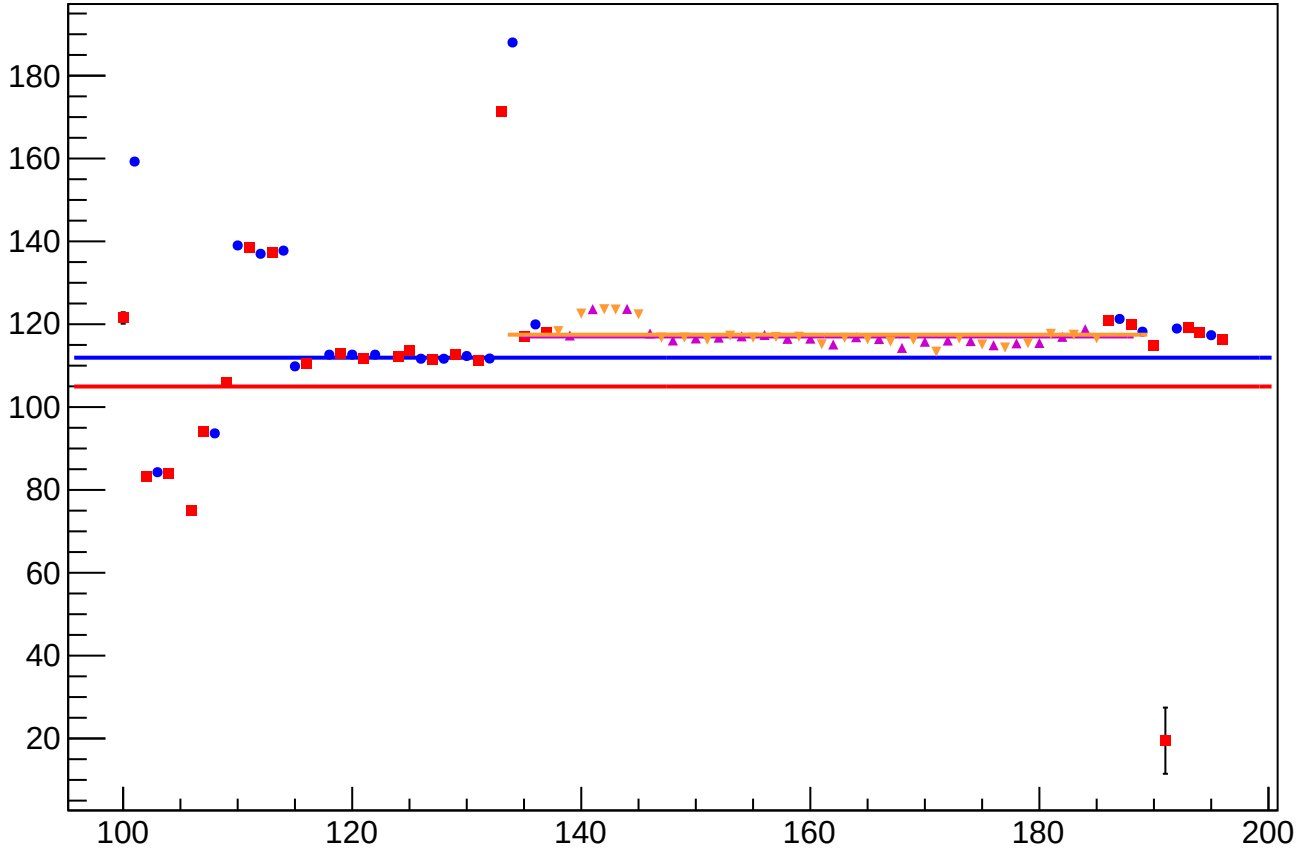
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -78.769+/-0.726 χ^2/NDF: 1598.7/44

All: -77.550+/-0.514 χ^2/NDF: 3404.4/93

- sign -76.322+/-0.729 χ^2/NDF: 1800.0/48

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.923+/-0.079 χ^2/NDF: 84935.1/19

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 104.965+/-0.071 χ^2/NDF: 73146.3/25

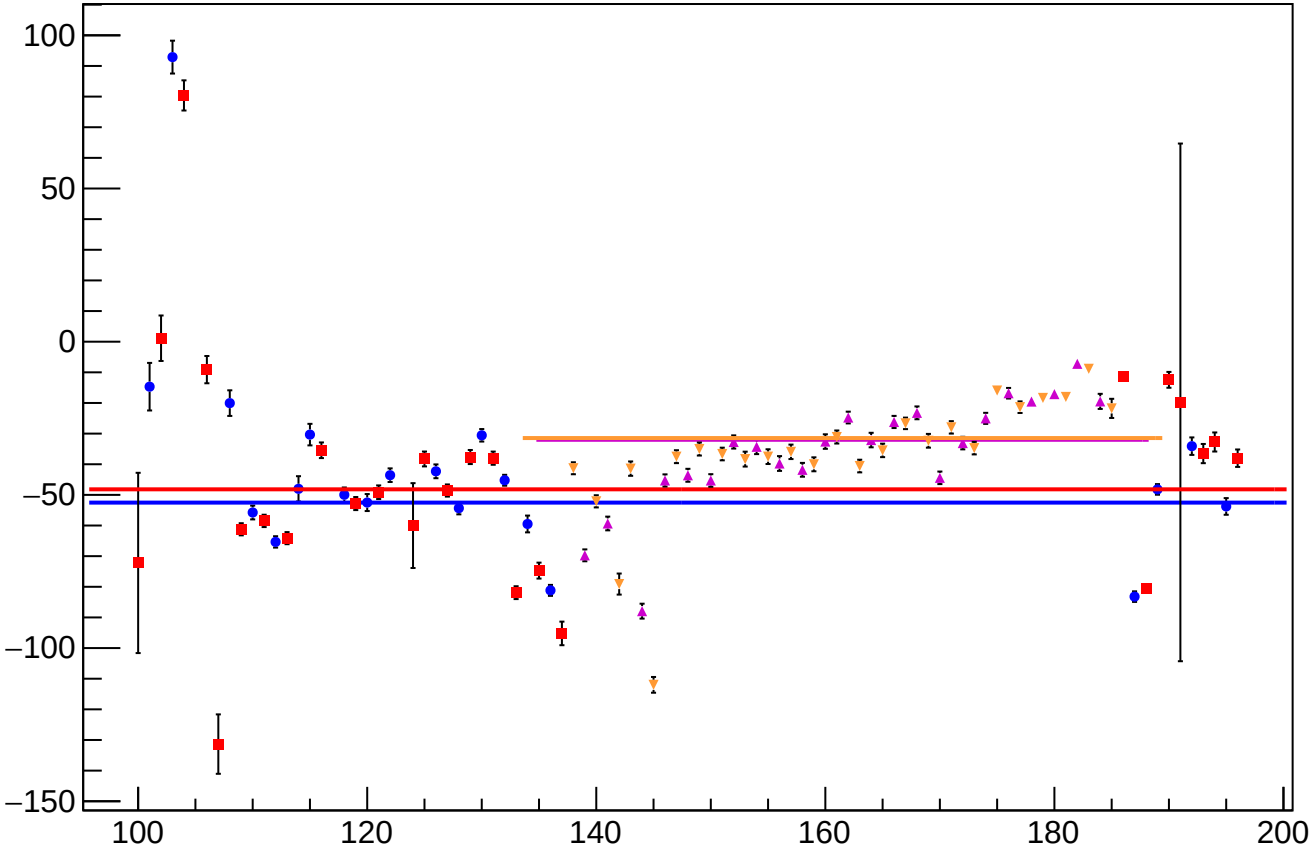
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.426+/-0.034 χ^2/NDF: 93714.3/44

All: 115.355+/-0.024 χ^2/NDF: 194380.2/93

- sign 114.302+/-0.034 χ^2/NDF: 98724.7/48

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -52.522+/-0.526 χ^2/NDF: 1708.1/19

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.187+/-0.442 χ^2/NDF: 4132.0/25

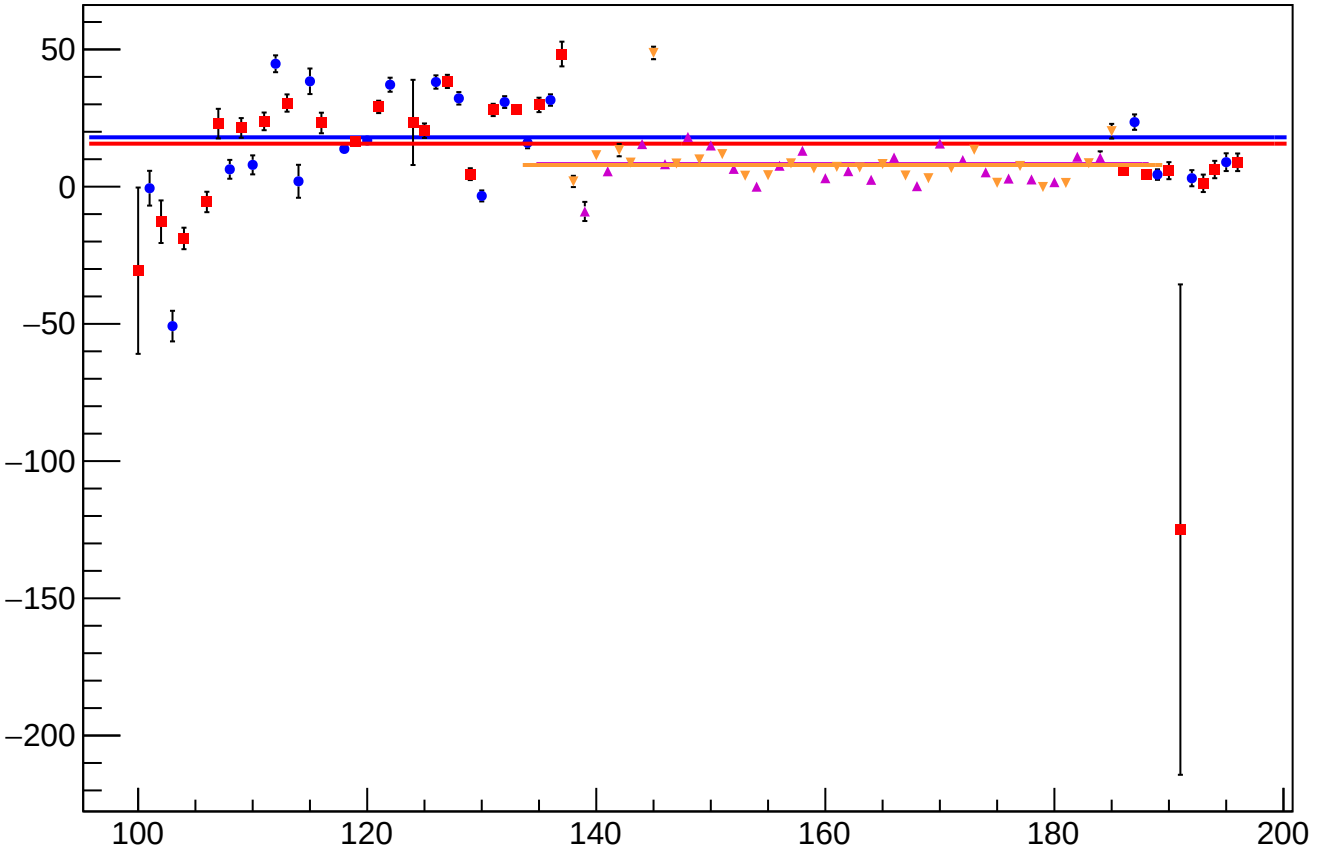
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.145+/-0.318 χ^2/NDF: 4719.1/44

All: -39.316+/-0.218 χ^2/NDF: 11485.2/93

- sign -39.469+/-0.300 χ^2/NDF: 6765.6/48

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.983+/-0.552 χ^2/NDF: 735.3/19

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.665+/-0.494 χ^2/NDF: 664.9/25

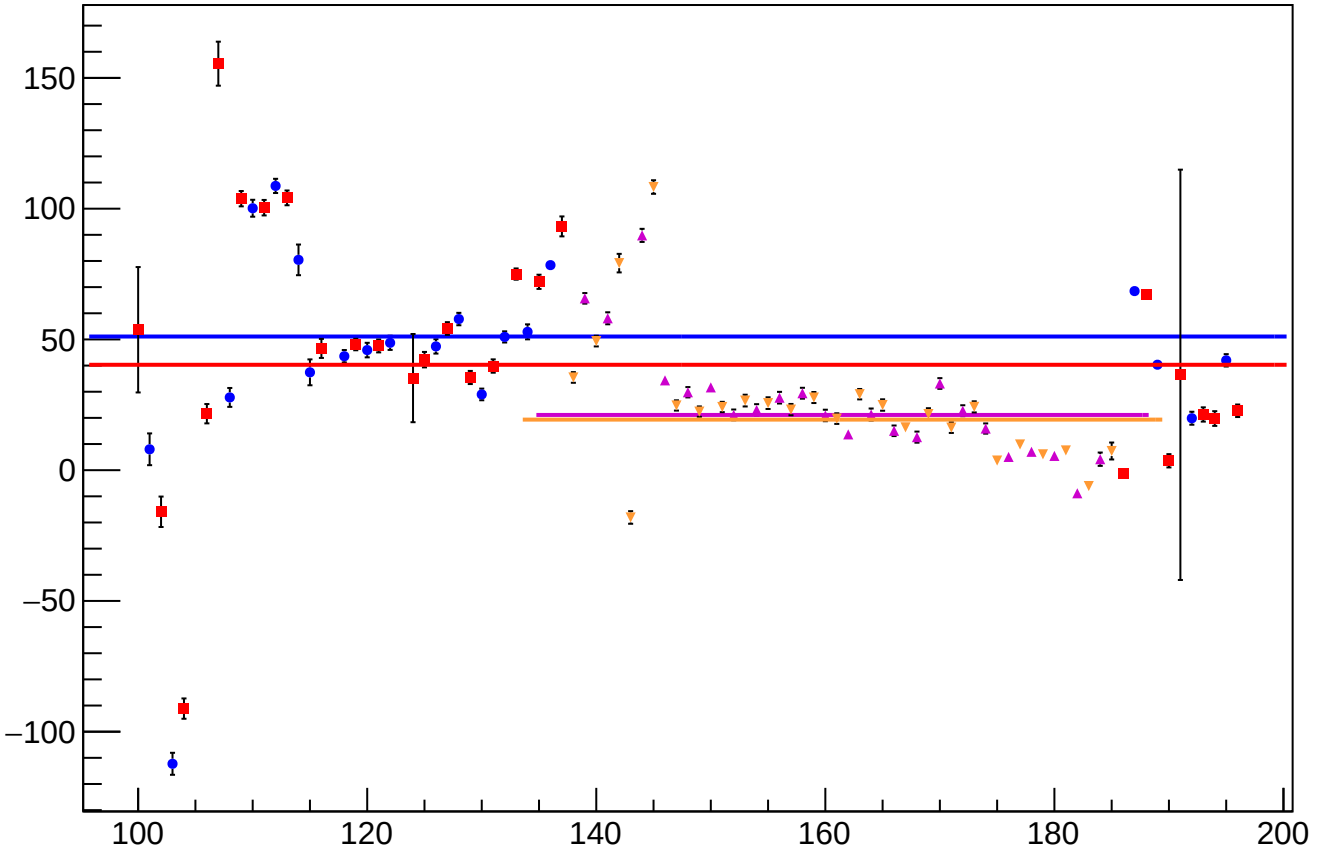
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.241+/-0.266 χ^2/NDF: 1481.9/44

All: 10.311+/-0.188 χ^2/NDF: 2647.1/93

\- sign 10.381+/-0.266 χ^2/NDF: 1165.1/48

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 51.114+/-0.545 χ^2/NDF: 3041.1/19

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.303+/-0.425 χ^2/NDF: 7411.0/25

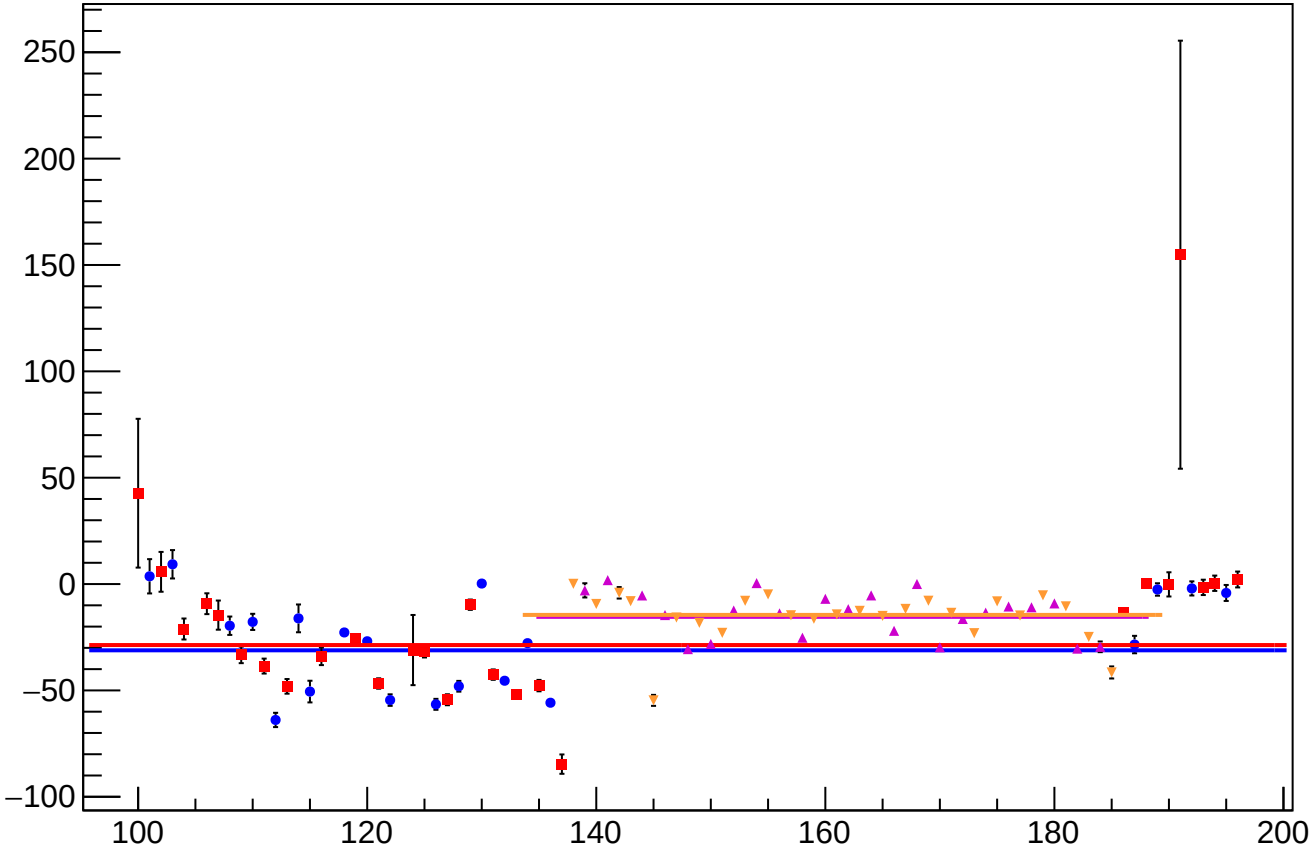
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 30.298+/-0.320 χ^2/NDF: 7948.8/44

All: 30.275+/-0.216 χ^2/NDF: 18933.6/93

\- sign 30.257+/-0.293 χ^2/NDF: 10984.8/48

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -31.151+/-0.648 χ^2/NDF: 1029.7/19

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -28.674+/-0.605 χ^2/NDF: 1171.4/25

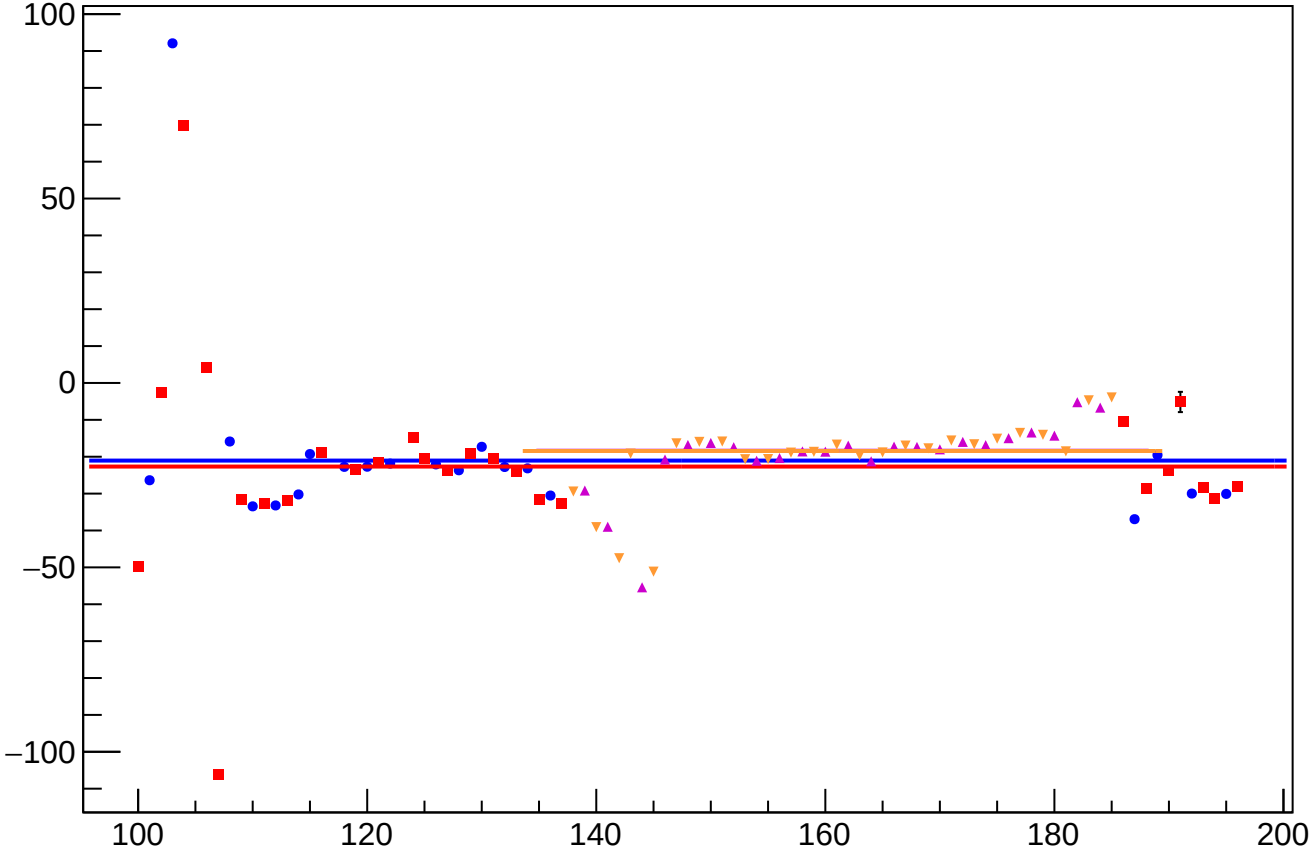
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.159+/-0.304 χ^2/NDF: 2185.3/44

All: -18.485+/-0.216 χ^2/NDF: 4514.9/93

- sign -18.817+/-0.306 χ^2/NDF: 2327.2/48

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.046+/-0.036 χ^2/NDF: 450331.8/19

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.667+/-0.033 χ^2/NDF: 373383.7/25

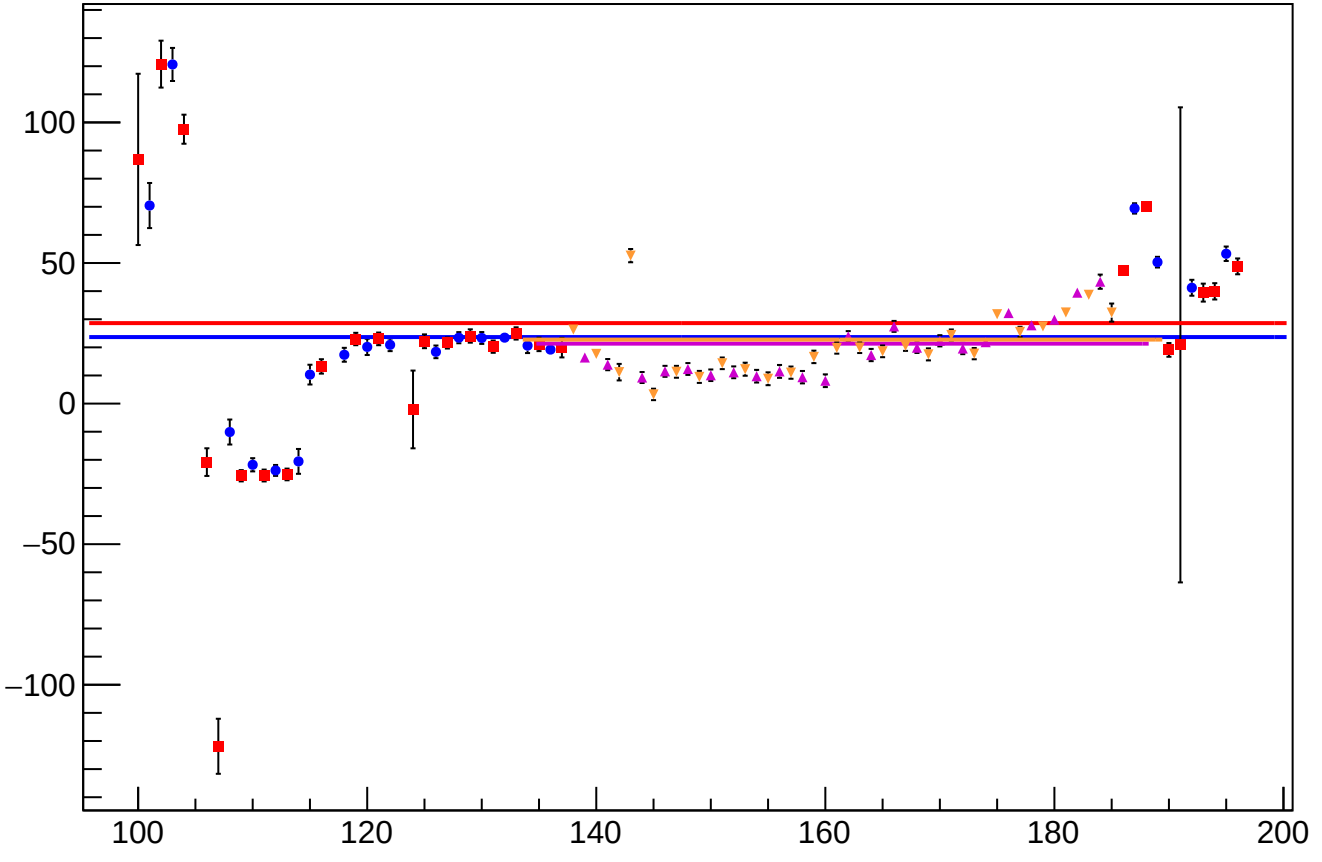
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.861+/-0.014 χ^2/NDF: 750146.1/44

All: -19.008+/-0.010 χ^2/NDF: 1387232.9/93

- sign -19.156+/-0.014 χ^2/NDF: 636871.5/48

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 23.660+/-0.535 χ^2/NDF: 2455.2/19

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.624+/-0.465 χ^2/NDF: 4605.5/25

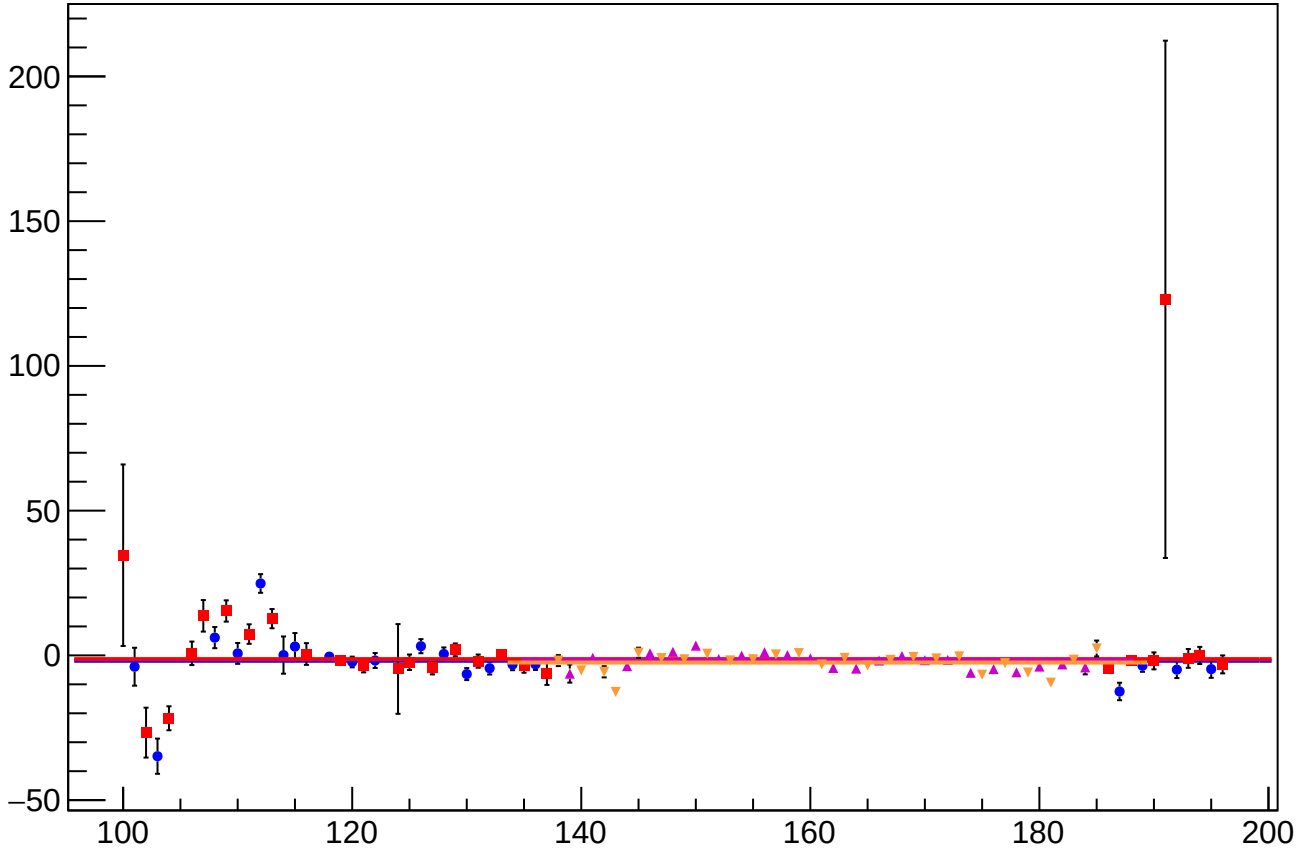
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

\+ sign 23.069+/-0.311 χ^2/NDF: 3179.8/44

All: 23.741+/-0.216 χ^2/NDF: 8568.0/93

\- sign 24.365+/-0.300 χ^2/NDF: 5379.2/48

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.852+/-0.561 χ^2/NDF: 133.4/19

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.288+/-0.517 χ^2/NDF: 101.8/25

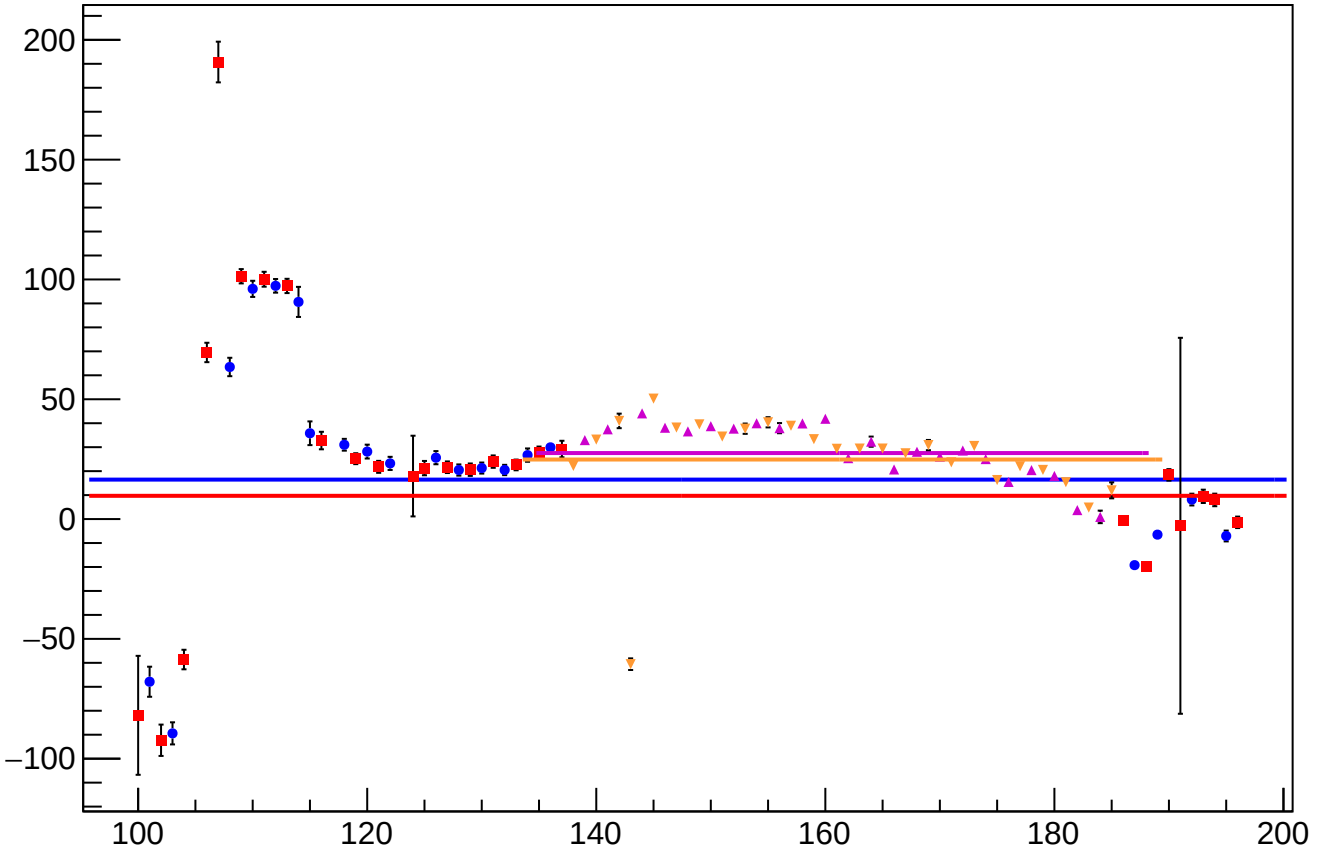
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.336+/-0.260 χ^2/NDF: 251.0/44

All: -1.953+/-0.184 χ^2/NDF: 427.8/93

- sign -1.564+/-0.262 χ^2/NDF: 172.4/48

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 16.469+/-0.558 χ^2/NDF: 3411.6/19

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.704+/-0.454 χ^2/NDF: 5478.9/25

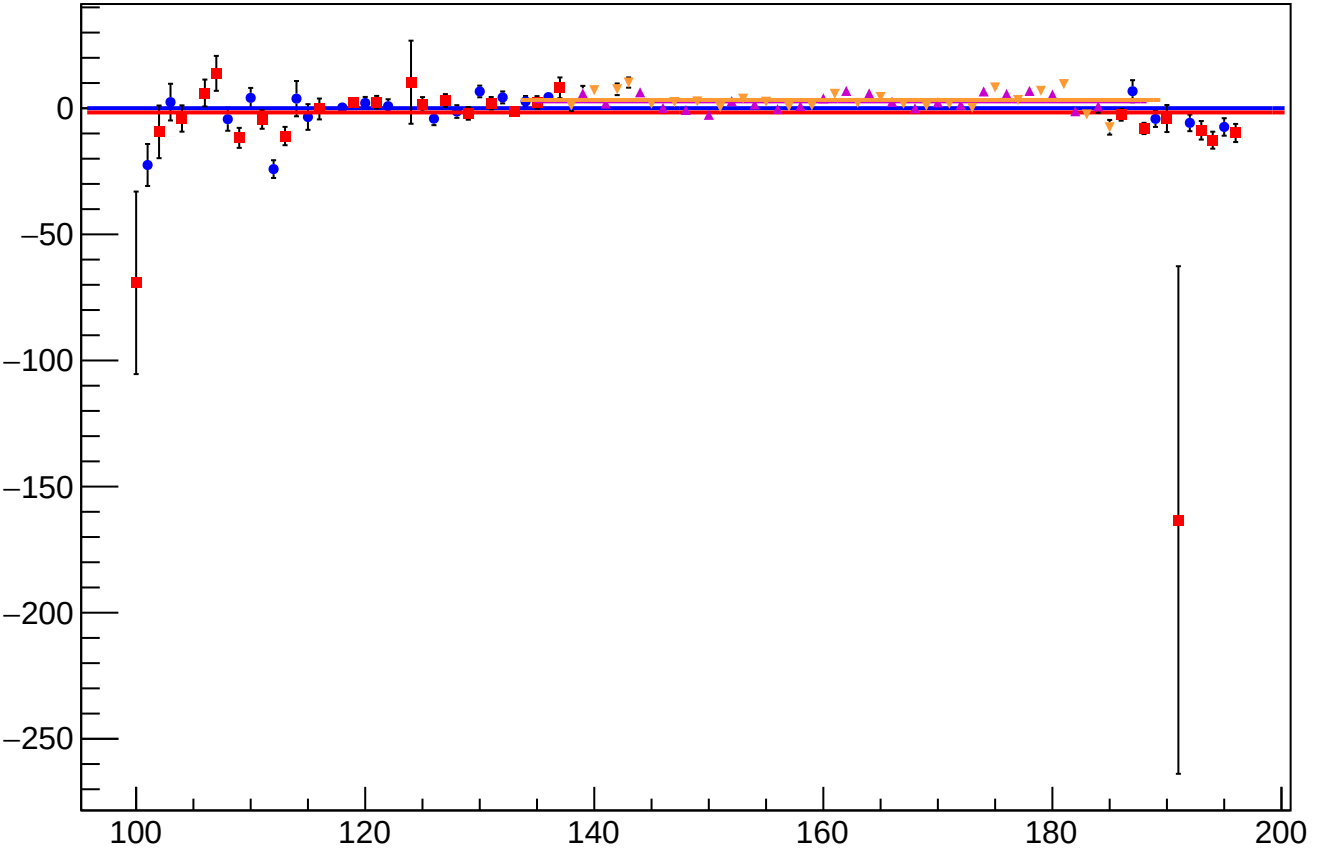
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 22.194+/-0.314 χ^2/NDF: 5614.6/44

All: 21.031+/-0.215 χ^2/NDF: 12892.3/93

- sign 20.001+/-0.295 χ^2/NDF: 7251.8/48

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.028+/-0.654 χ^2/NDF: 91.0/19

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.663+/-0.625 χ^2/NDF: 78.2/25

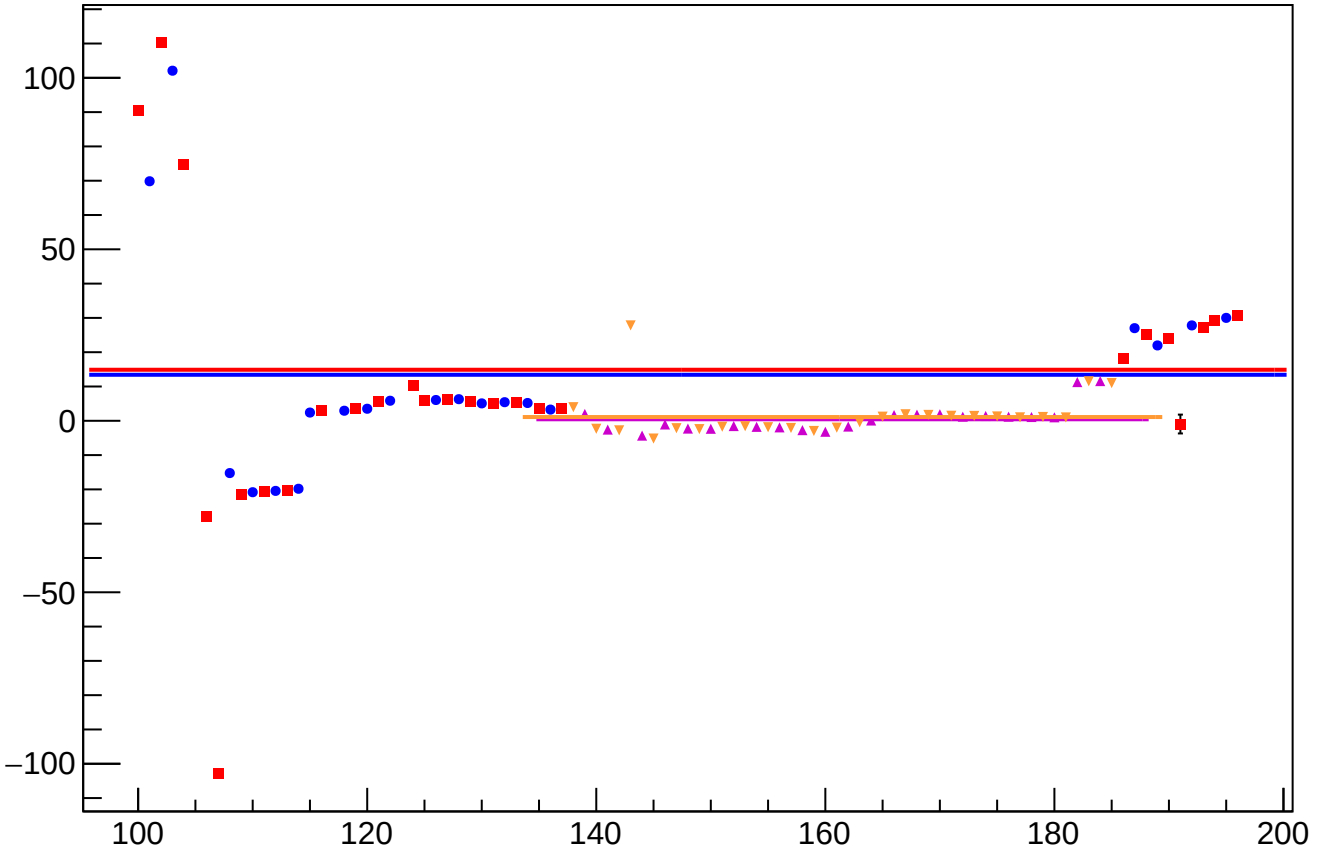
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.621+/-0.295 χ^2/NDF: 217.0/44

All: 2.176+/-0.211 χ^2/NDF: 412.3/93

- sign 1.718+/-0.300 χ^2/NDF: 190.6/48

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 13.420+/-0.035 χ^2/NDF: 396651.1/19

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 14.884+/-0.034 χ^2/NDF: 553028.4/25

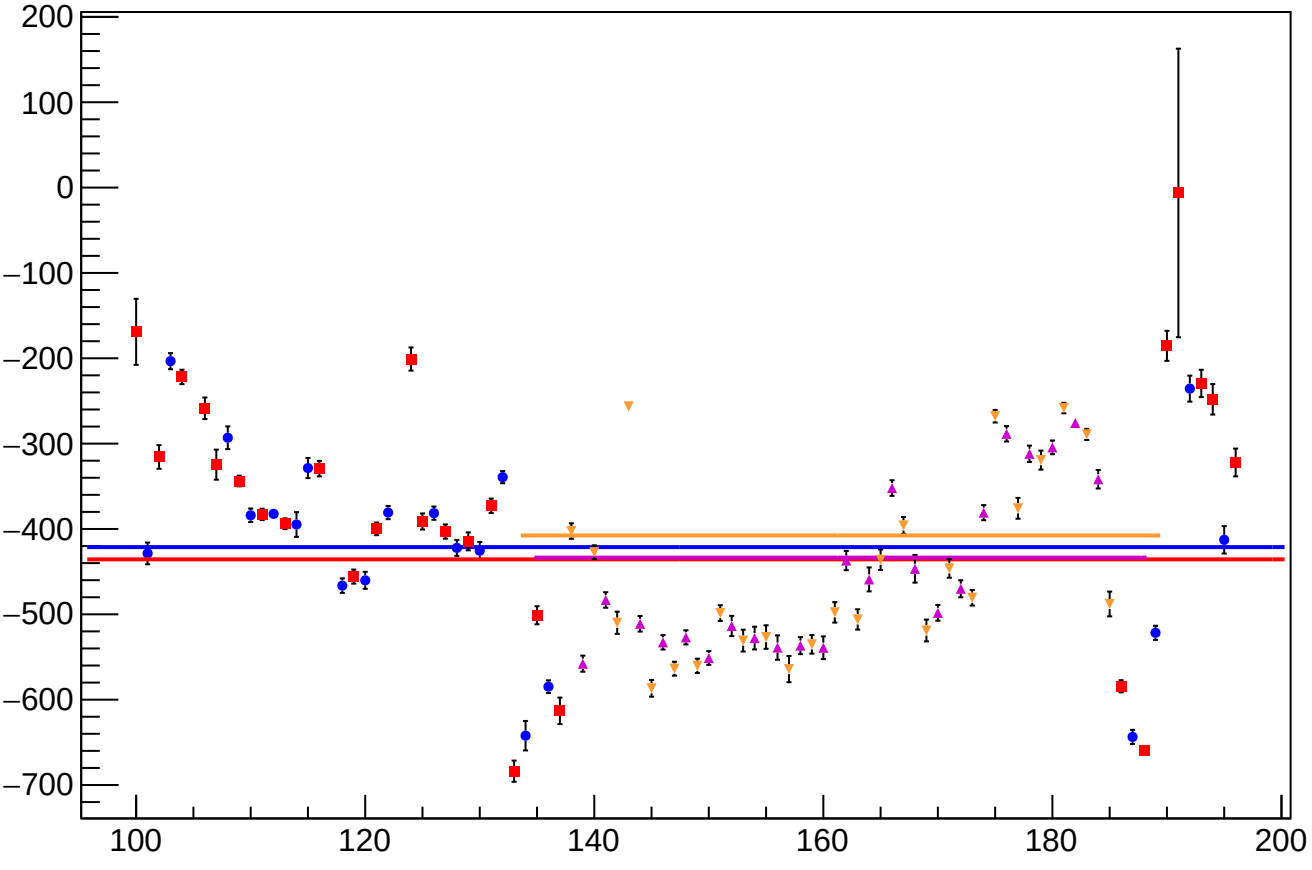
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.946+/-0.014 χ^2/NDF: 629116.7/44

All: 2.900+/-0.010 χ^2/NDF: 1388571.3/93

- sign 2.853+/-0.014 χ^2/NDF: 759432.2/48

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -421.246+/-2.053 χ^2/NDF: 2651.3/19

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -435.605+/-1.805 χ^2/NDF: 6028.2/25

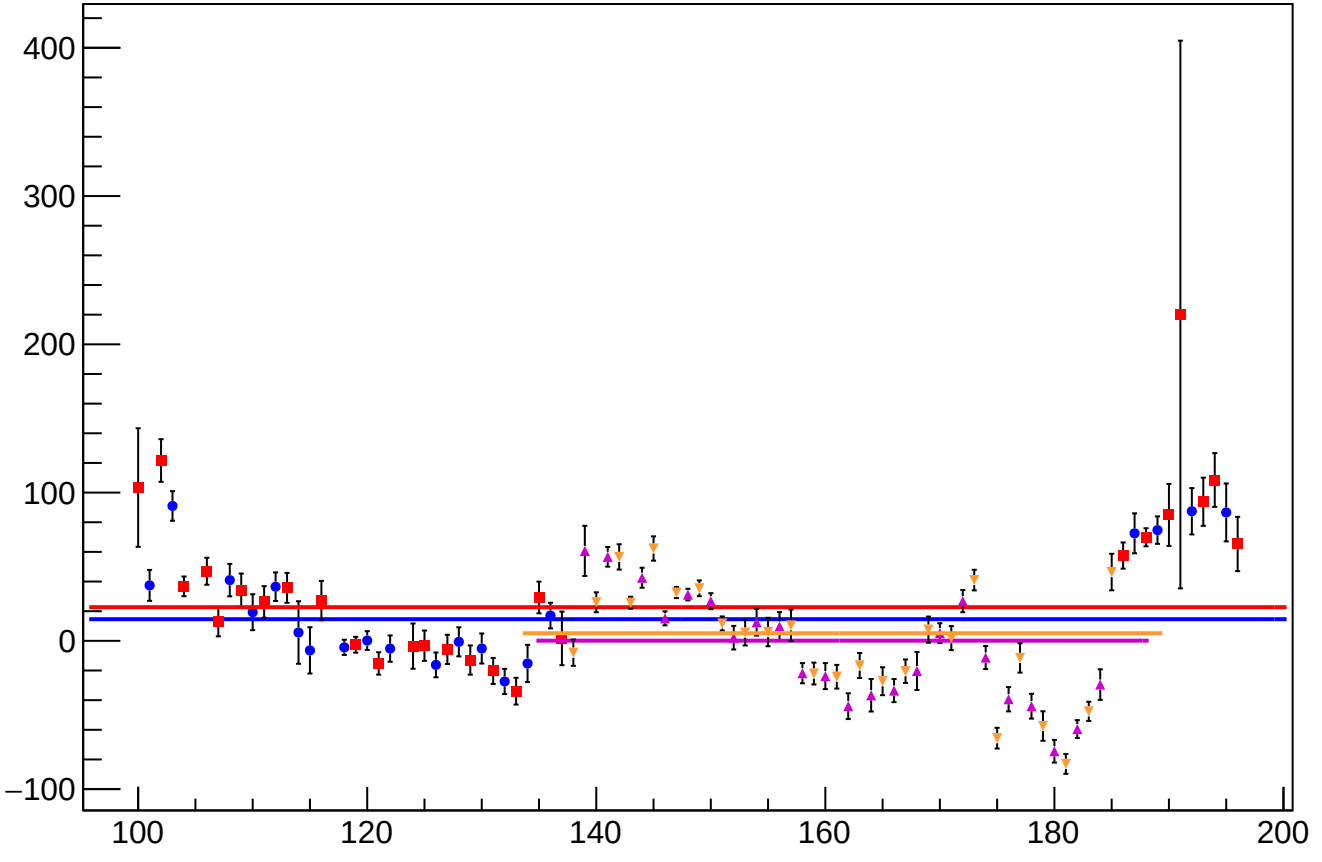
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.792+/-1.382 χ^2/NDF: 6681.1/44

All: -424.567+/-0.961 χ^2/NDF: 15552.2/93

- sign -434.670+/-1.338 χ^2/NDF: 8753.3/48

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.604+/-2.137 χ^2/NDF: 245.8/19

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 22.706+/-1.965 χ^2/NDF: 343.0/25

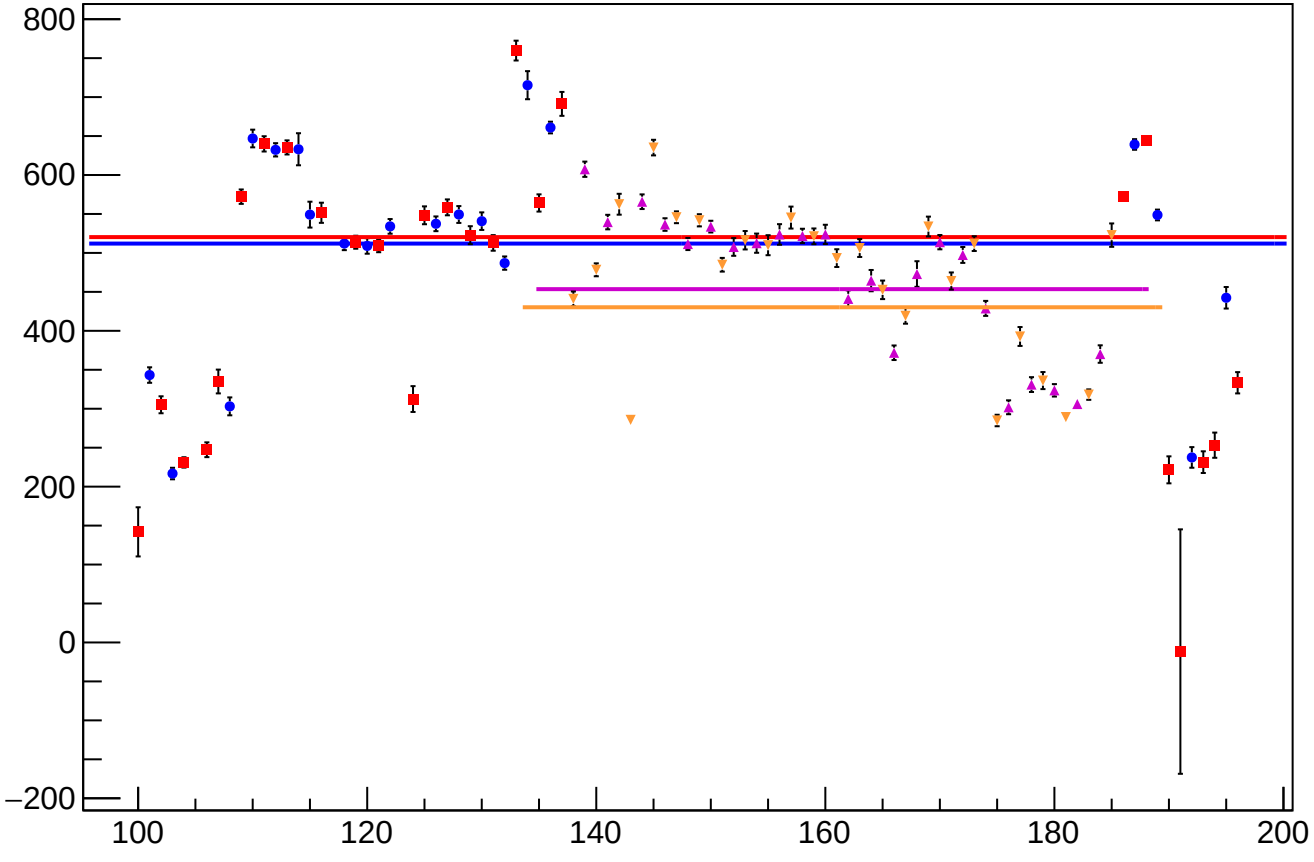
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.910+/-1.158 χ^2/NDF: 948.9/44

All: 8.132+/-0.829 χ^2/NDF: 1944.4/93

- sign 8.364+/-1.187 χ^2/NDF: 995.4/48

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 511.983+/-2.160 χ^2/NDF: 3981.8/19

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 520.294+/-1.818 χ^2/NDF: 6949.1/25

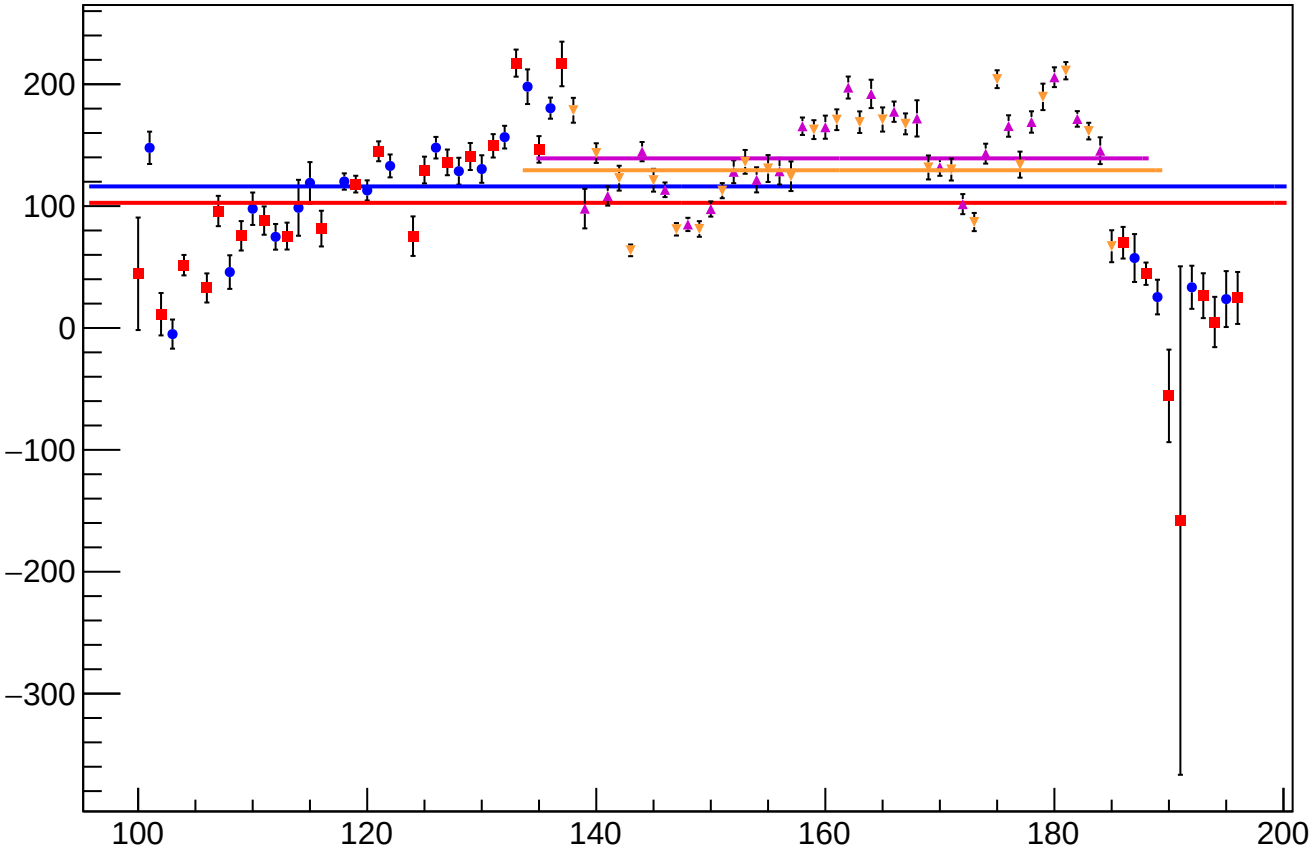
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 465.061+/-1.410 χ^2/NDF: 8208.8/44

All: 477.998+/-0.970 χ^2/NDF: 18357.1/93

- sign 489.635+/-1.337 χ^2/NDF: 9988.3/48

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 116.154+/-2.519 χ^2/NDF: 366.7/19

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 102.686+/-2.354 χ^2/NDF: 481.5/25

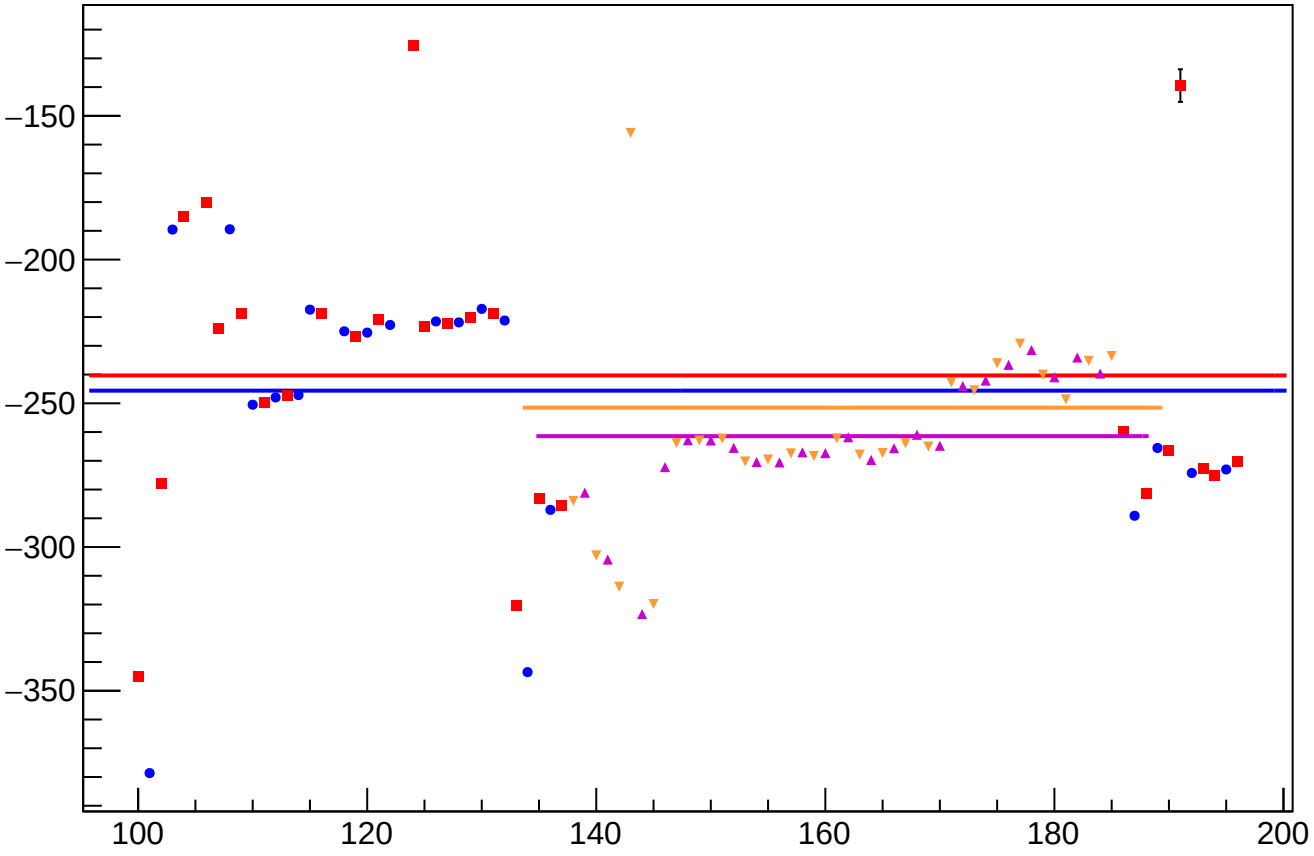
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.631+/-1.346 χ^2/NDF: 1200.8/44

All: 126.110+/-0.964 χ^2/NDF: 2274.2/93

- sign 126.613+/-1.381 χ^2/NDF: 1073.2/48

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -245.596+/-0.138 χ^2/NDF: 141960.5/19

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -240.313+/-0.128 χ^2/NDF: 105021.8/25

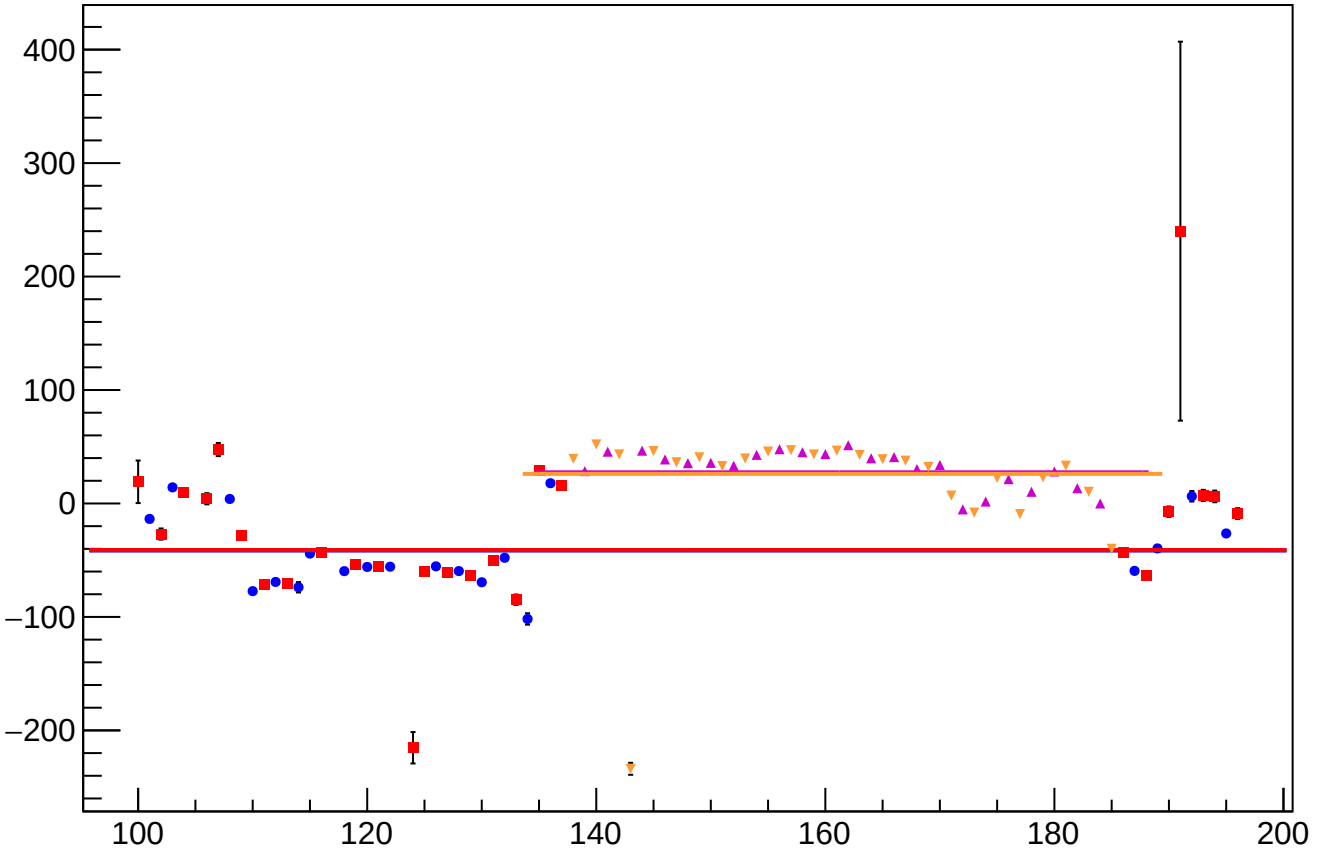
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.173+/-0.066 χ^2/NDF: 398303.3/44

All: -252.919+/-0.047 χ^2/NDF: 596208.1/93

- sign -255.744+/-0.067 χ^2/NDF: 194353.9/48

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.449+/-0.661 χ^2/NDF: 2571.2/19

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.051+/-0.564 χ^2/NDF: 2991.5/25

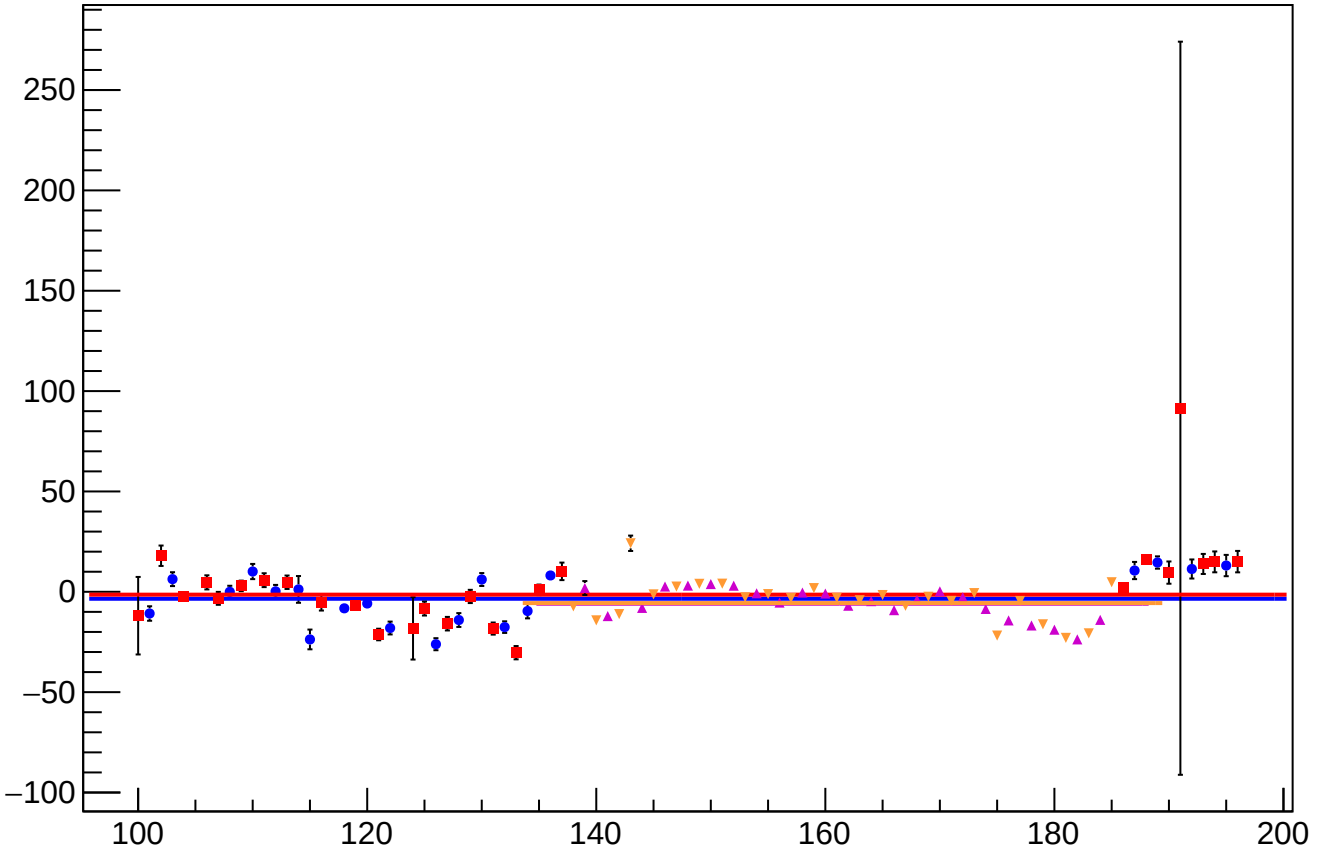
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.683+/-0.336 χ^2/NDF: 15096.3/44

All: 6.712+/-0.233 χ^2/NDF: 29644.6/93

- sign 4.875+/-0.324 χ^2/NDF: 14481.6/48

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.469+/-0.706 χ^2/NDF: 270.4/19

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.421+/-0.641 χ^2/NDF: 328.1/25

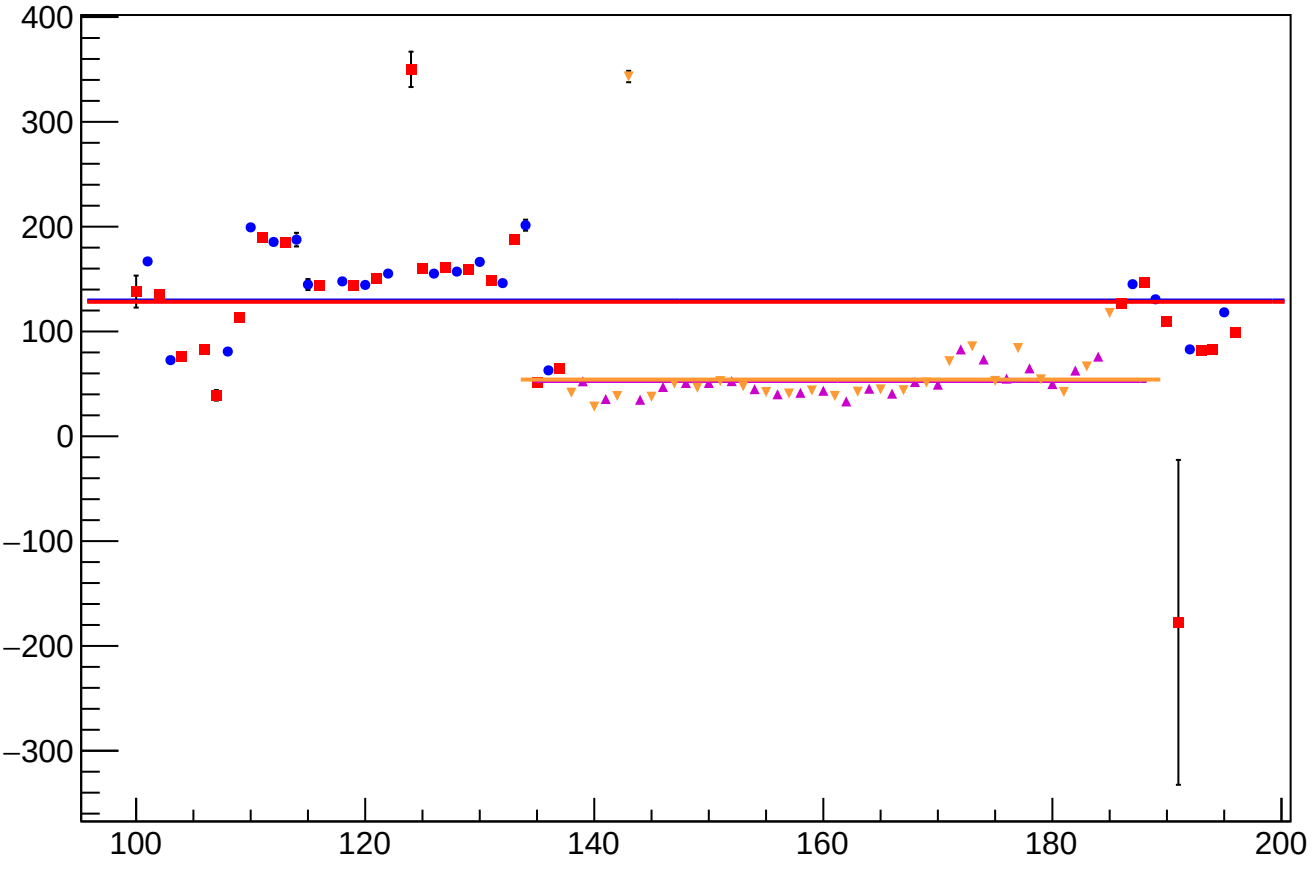
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -5.292+/-0.278 χ^2/NDF: 1171.6/44

All: -5.191+/-0.197 χ^2/NDF: 2252.5/93

\- sign -5.088+/-0.278 χ^2/NDF: 1080.6/48

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.552+/-0.692 χ^2/NDF: 3819.9/19

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 128.322+/-0.572 χ^2/NDF: 4041.8/25

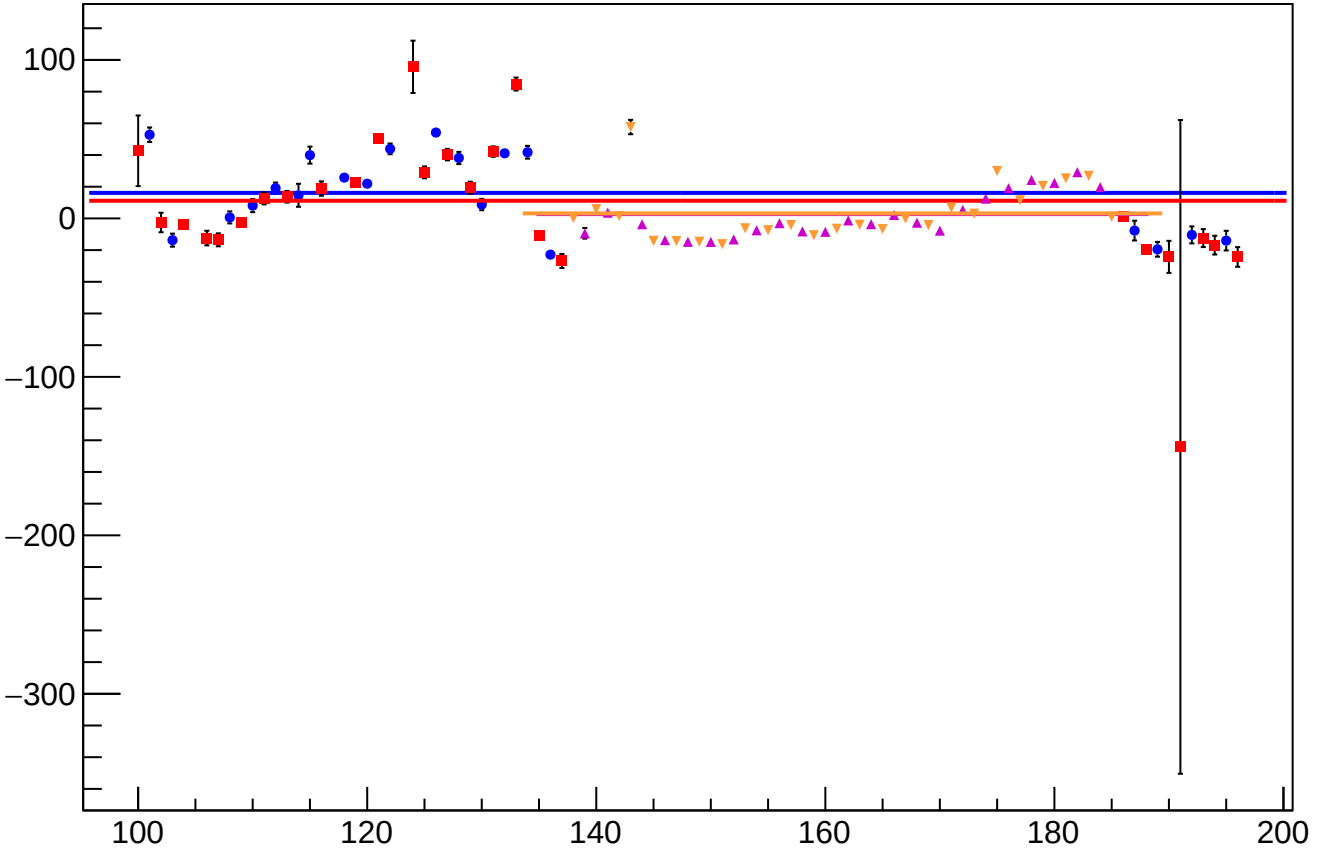
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.101+/-0.338 χ^2/NDF: 17453.5/44

All: 74.660+/-0.234 χ^2/NDF: 34445.7/93

\- sign 77.006+/-0.324 χ^2/NDF: 16882.4/48

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 16.117+/-0.821 χ^2/NDF: 990.2/19

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 11.134+/-0.766 χ^2/NDF: 1170.1/25

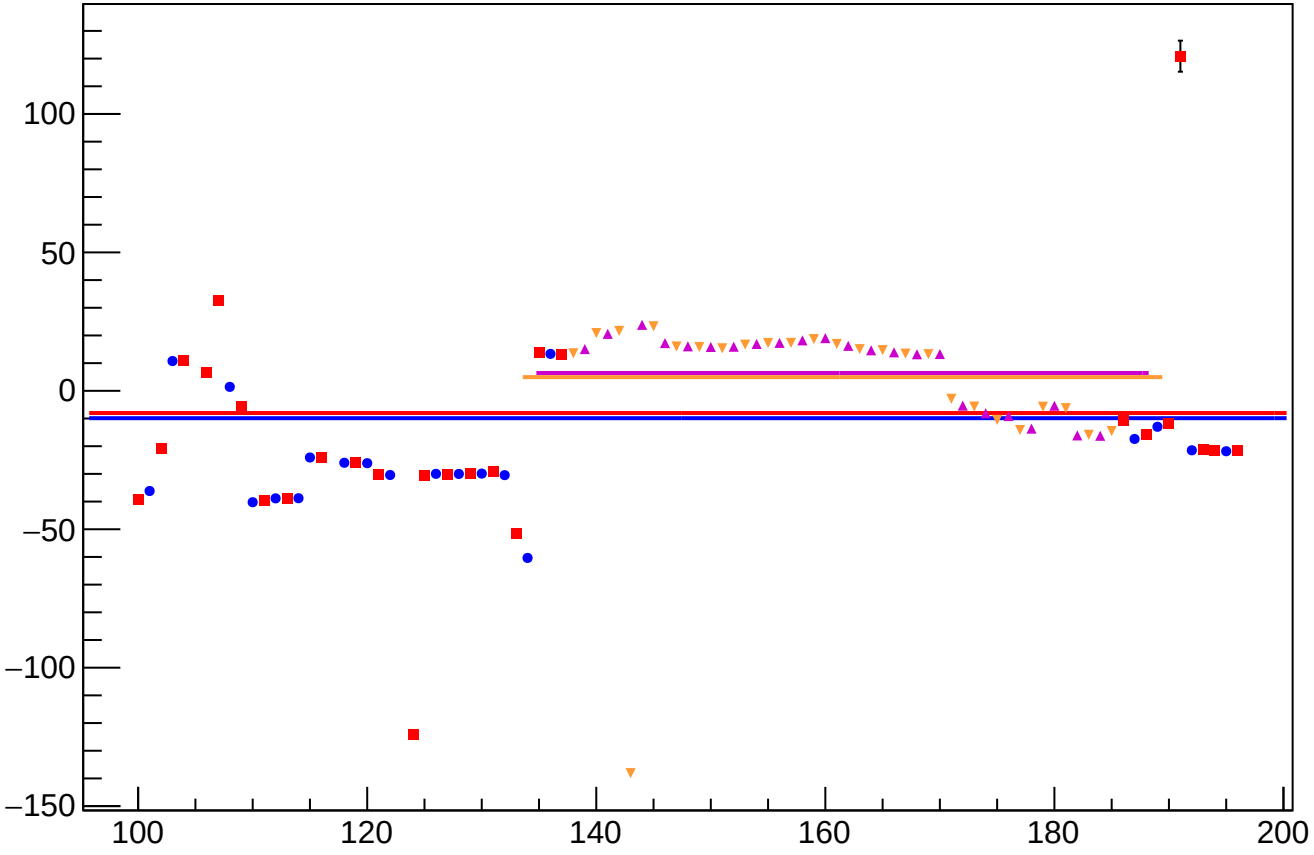
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.052+/-0.314 χ^2/NDF: 3215.6/44

All: 4.605+/-0.223 χ^2/NDF: 6225.0/93

- sign 4.152+/-0.316 χ^2/NDF: 3005.3/48

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -9.881+/-0.042 χ^2/NDF: 278901.8/19

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.021+/-0.040 χ^2/NDF: 253819.4/25

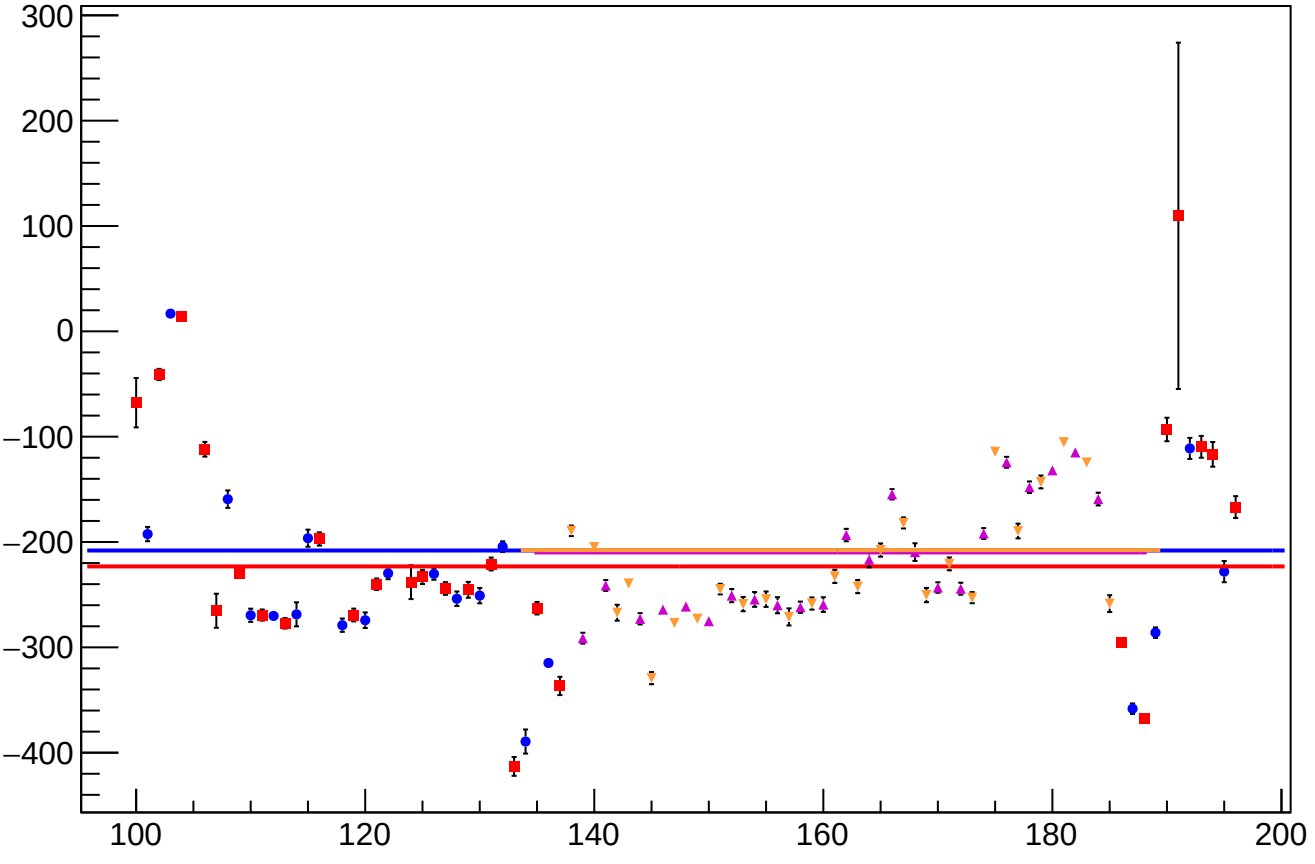
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.212+/-0.014 χ^2/NDF: 1526384.9/44

All: 3.906+/-0.010 χ^2/NDF: 2627838.7/93

- sign 4.603+/-0.014 χ^2/NDF: 1096735.7/48

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -208.057+/-1.294 χ^2/NDF: 8610.9/19

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -223.178+/-1.140 χ^2/NDF: 11964.9/25

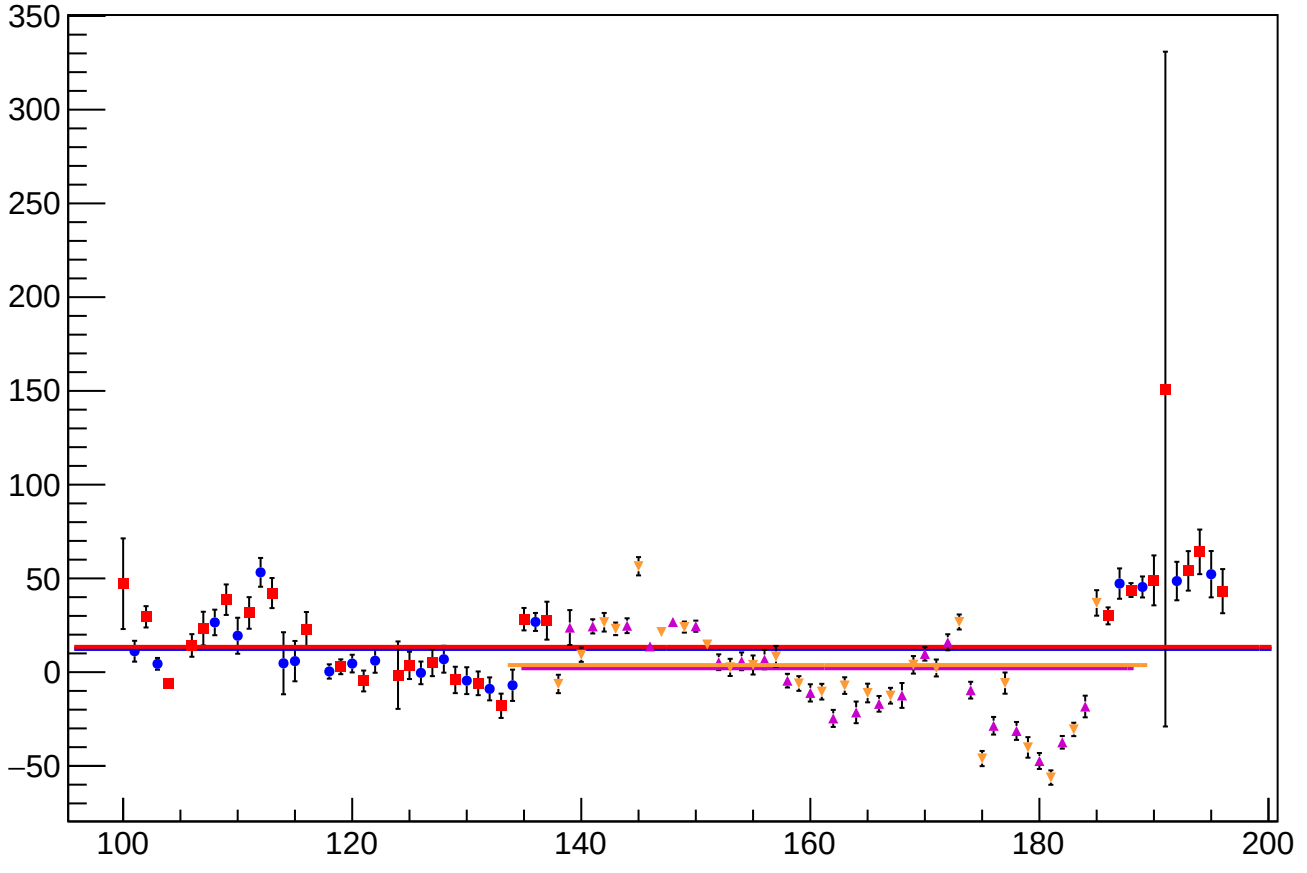
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.872+/-0.825 χ^2/NDF: 12098.1/44

All: -212.255+/-0.571 χ^2/NDF: 27199.7/93

- sign -216.299+/-0.792 χ^2/NDF: 15047.3/48

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.386+/-1.352 χ^2/NDF: 167.0/19

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.500+/-1.199 χ^2/NDF: 301.4/25

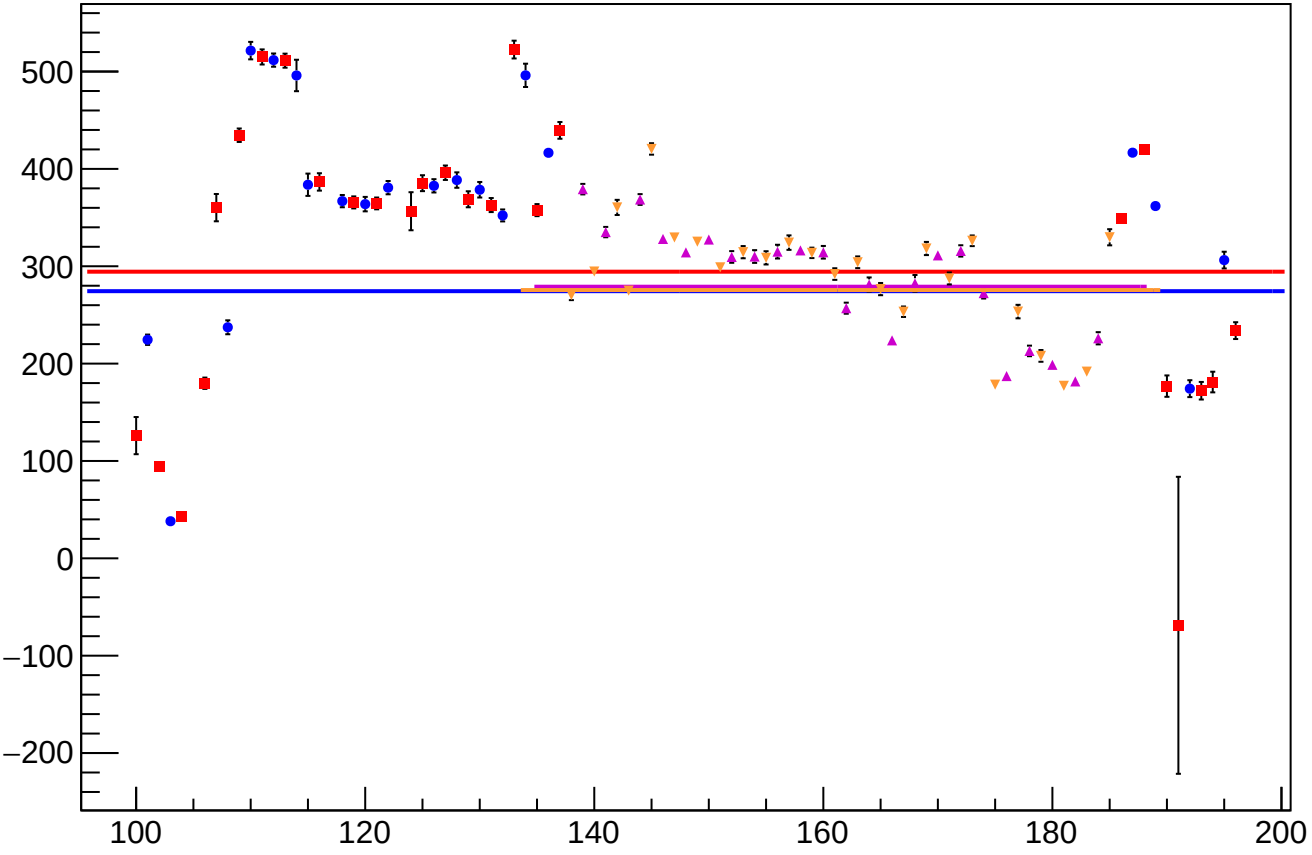
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 5.951+/-0.680 χ^2/NDF: 1169.4/44

All: 5.834+/-0.480 χ^2/NDF: 2302.9/93

\- sign 5.718+/-0.677 χ^2/NDF: 1133.5/48

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.403+/-1.251 χ^2/NDF: 17413.4/19

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 294.419+/-1.066 χ^2/NDF: 21539.0/25

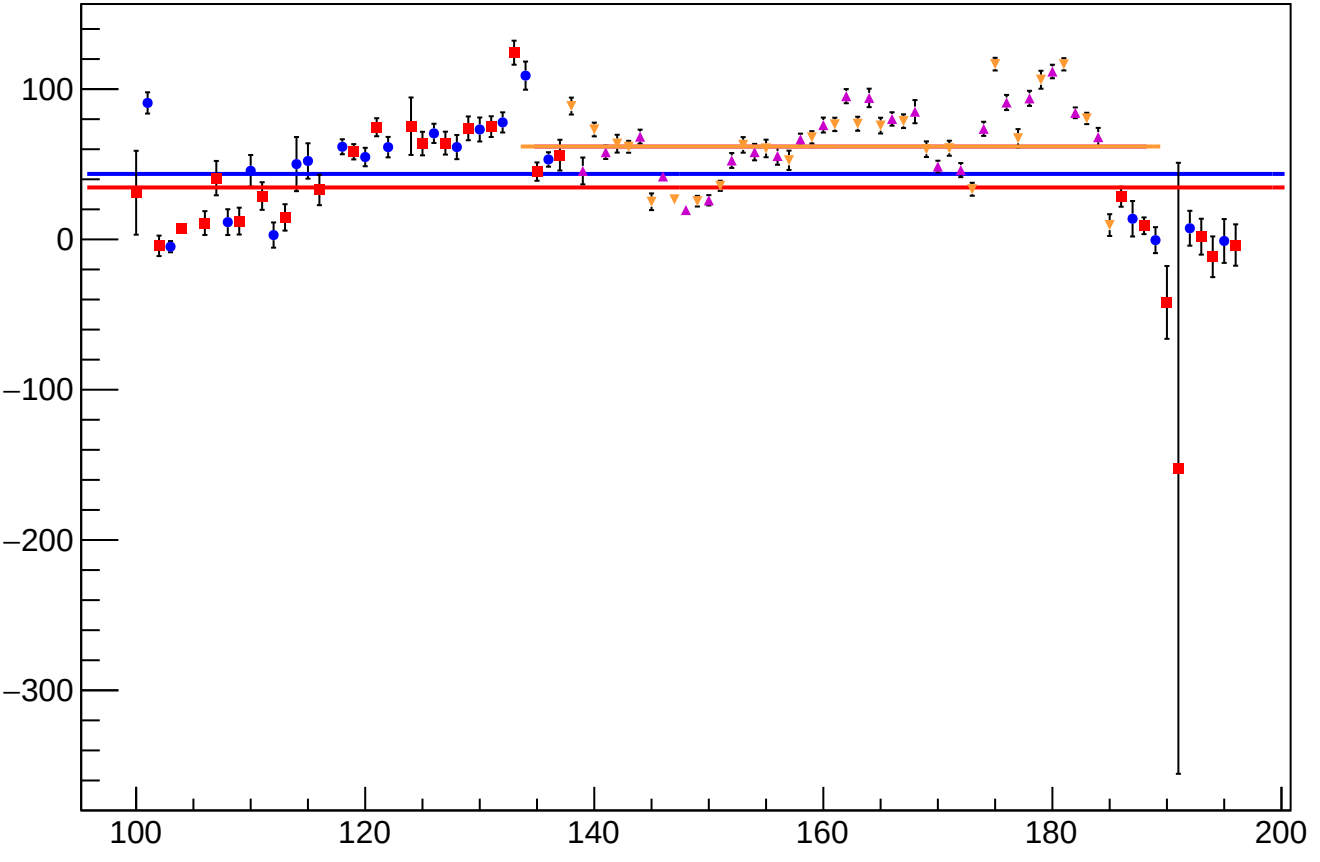
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.062+/-0.810 χ^2/NDF: 20737.1/44

All: 281.326+/-0.555 χ^2/NDF: 45606.1/93

- sign 286.869+/-0.762 χ^2/NDF: 24756.2/48

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 43.568+/-1.597 χ^2/NDF: 441.4/19

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.569+/-1.463 χ^2/NDF: 484.1/25

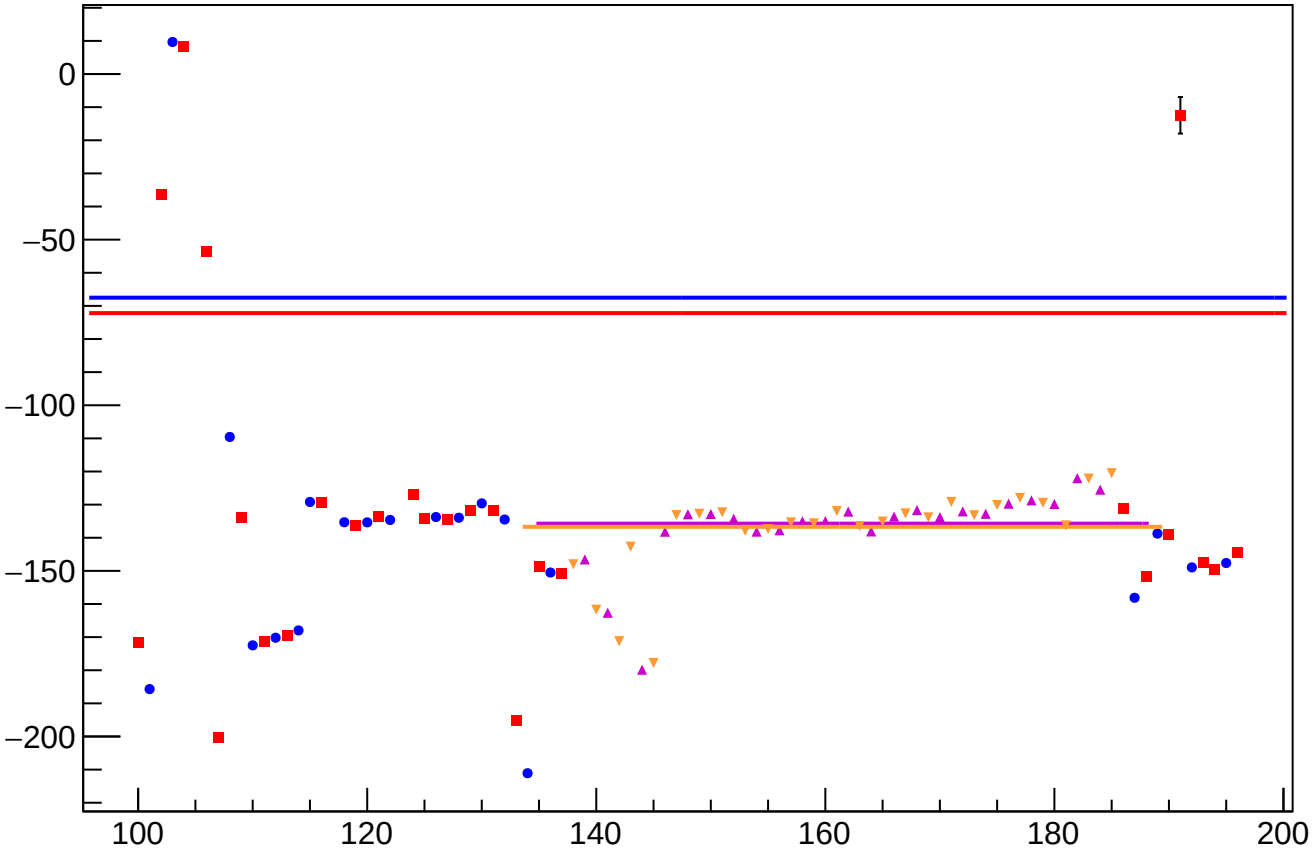
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.362+/-0.789 χ^2/NDF: 1499.6/44

All: 55.601+/-0.558 χ^2/NDF: 2974.3/93

- sign 53.836+/-0.790 χ^2/NDF: 1464.8/48

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -67.520+/-0.069 χ^2/NDF: 1370384.3/19

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -72.176+/-0.068 χ^2/NDF: 1109540.9/25

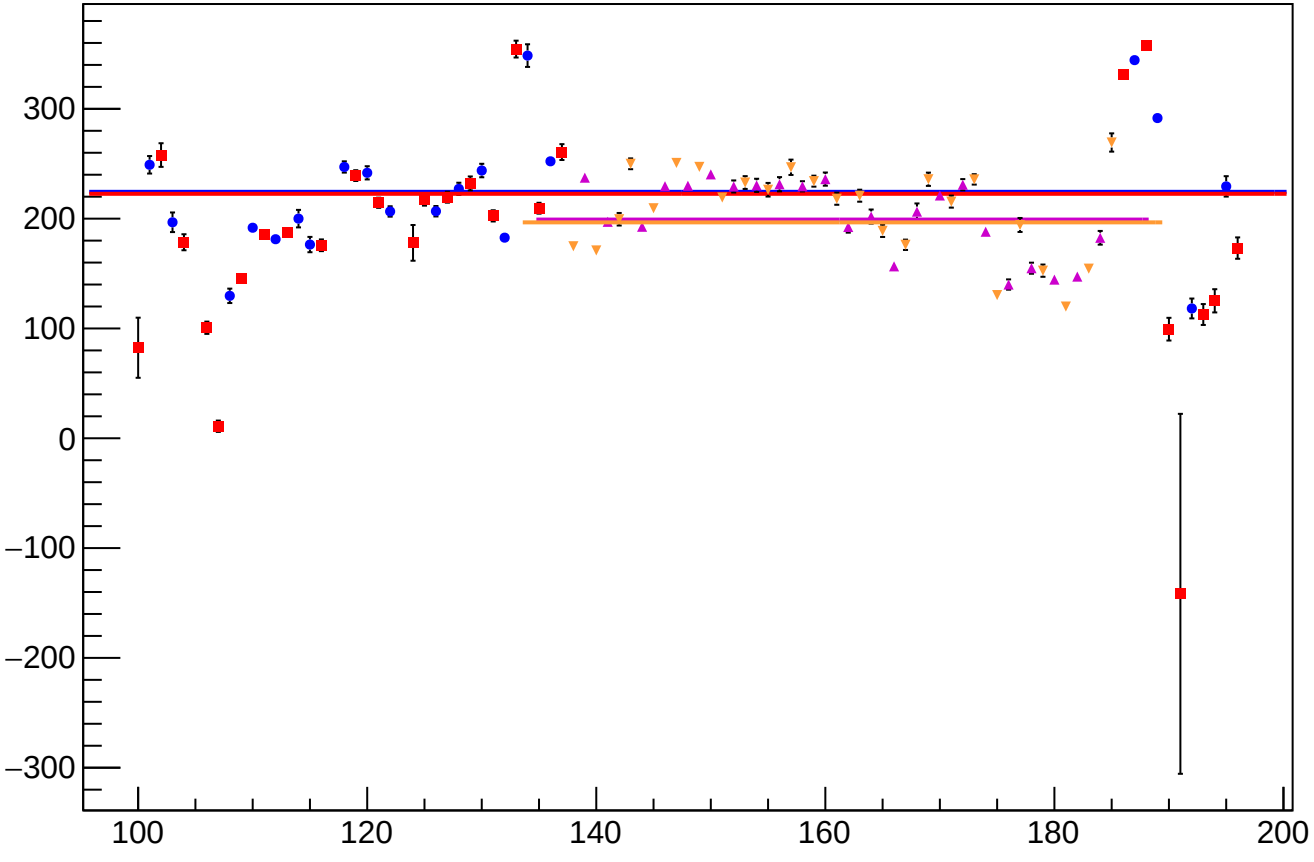
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.823+/-0.036 χ^2/NDF: 2180824.5/44

All: -117.734+/-0.026 χ^2/NDF: 3982083.2/93

- sign -117.644+/-0.036 χ^2/NDF: 1801246.5/48

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 224.425+/-1.182 χ^2/NDF: 1950.6/19

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 222.625+/-1.010 χ^2/NDF: 7863.1/25

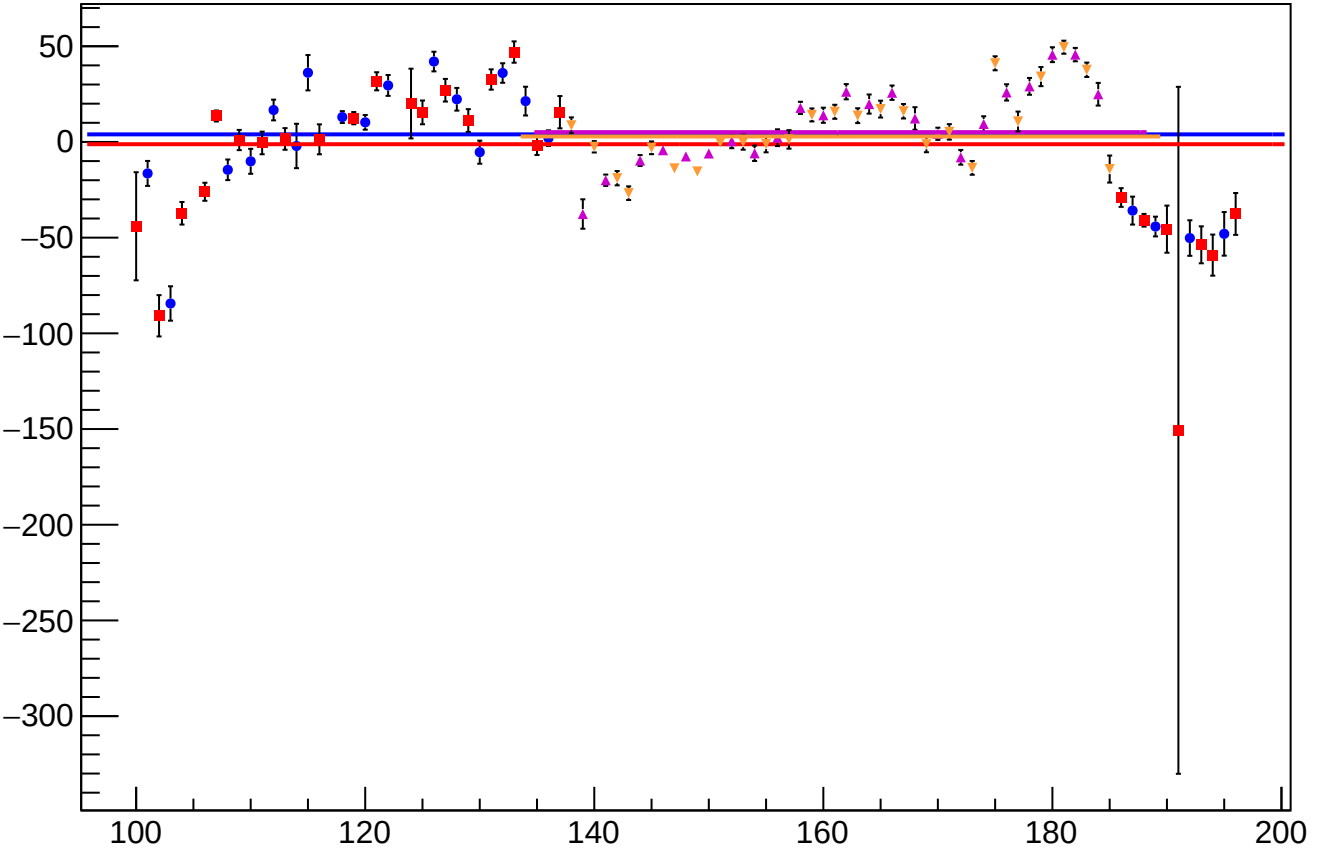
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.483+/-0.739 χ^2/NDF: 4363.6/44

All: 209.043+/-0.508 χ^2/NDF: 13809.9/93

- sign 210.447+/-0.701 χ^2/NDF: 9437.8/48

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.960+/-1.251 χ^2/NDF: 457.9/19

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -1.187+/-1.095 χ^2/NDF: 644.1/25

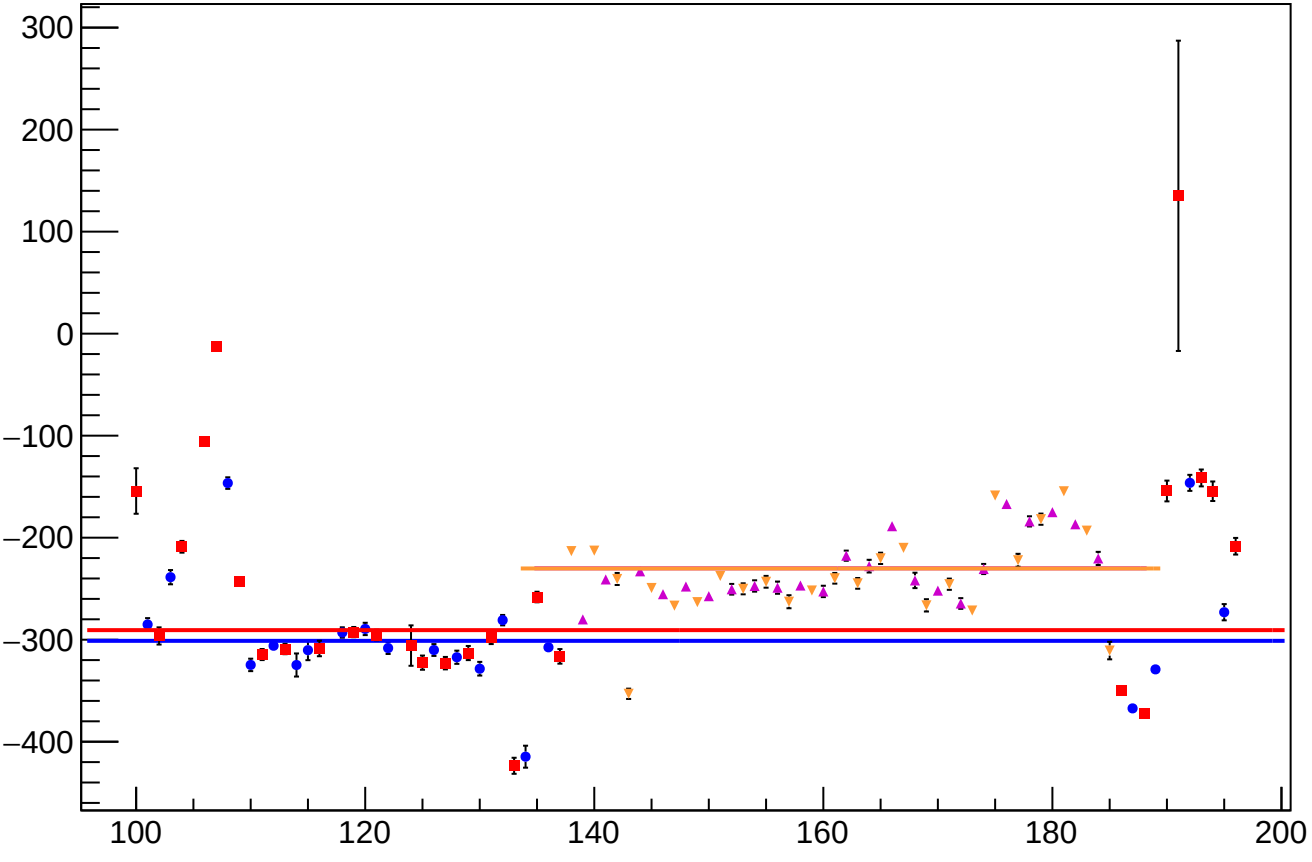
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.126+/-0.606 χ^2/NDF: 1211.2/44

All: 3.178+/-0.427 χ^2/NDF: 2507.1/93

- sign 3.228+/-0.600 χ^2/NDF: 1295.9/48

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -301.123+/-1.251 χ^2/NDF: 1791.1/19

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -290.629+/-1.023 χ^2/NDF: 9274.9/25

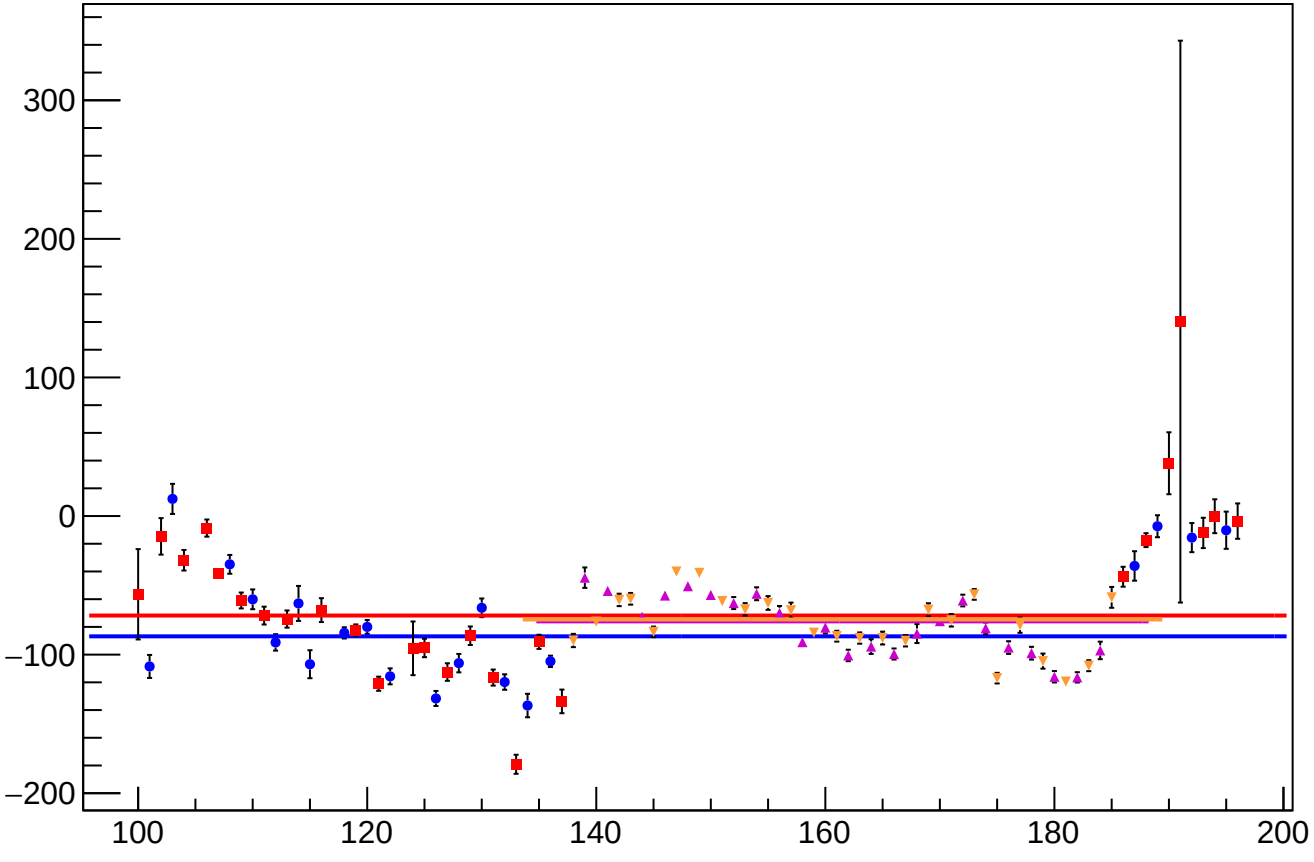
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.735+/-0.751 χ^2/NDF: 6029.0/44

All: -257.186+/-0.512 χ^2/NDF: 18268.1/93

- sign -258.448+/-0.700 χ^2/NDF: 12232.1/48

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -86.809+/-1.468 χ^2/NDF: 575.1/19

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -71.794+/-1.318 χ^2/NDF: 1004.9/25

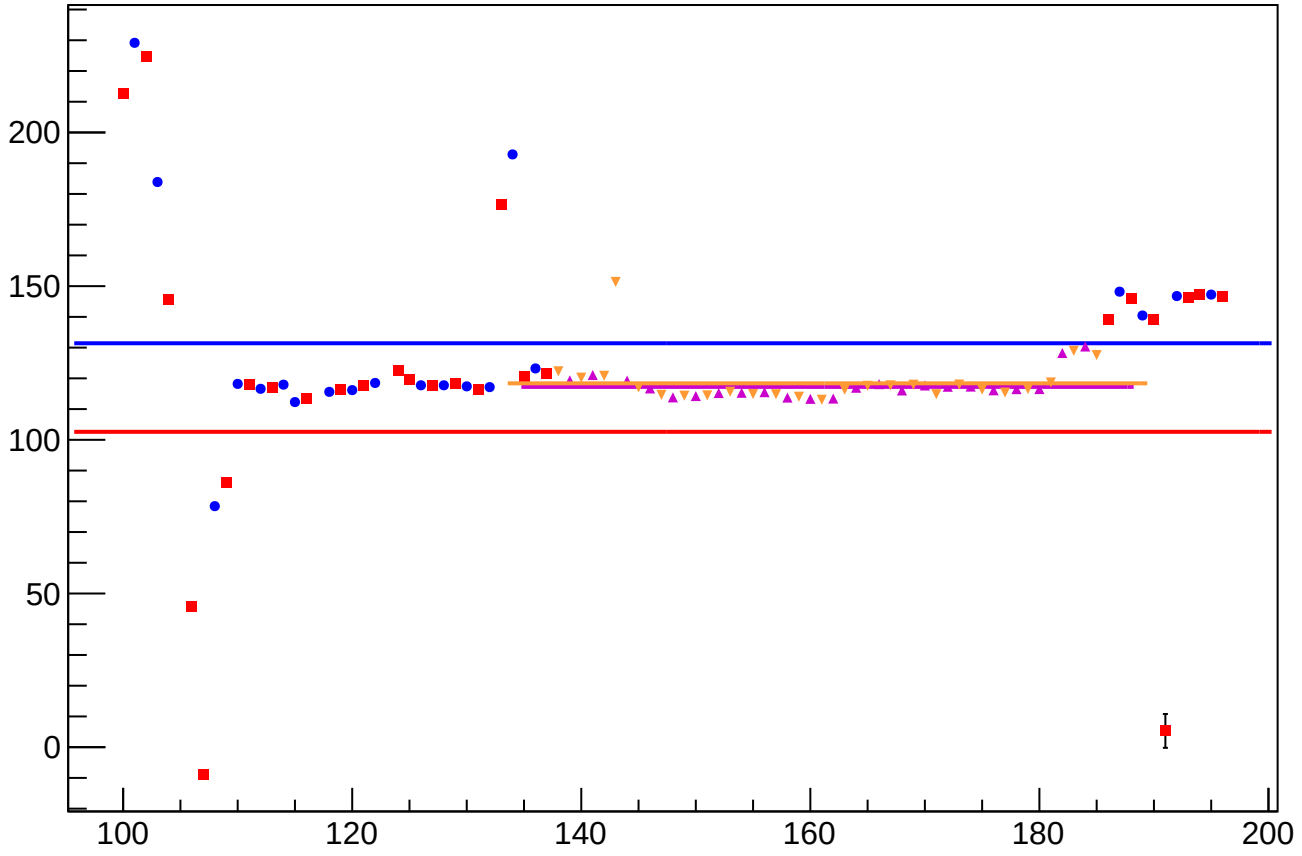
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.434+/-0.703 χ^2/NDF: 1459.1/44

All: -76.127+/-0.496 χ^2/NDF: 3124.3/93

- sign -74.836+/-0.699 χ^2/NDF: 1658.3/48

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 131.417+/-0.082 χ^2/NDF: 189389.1/19

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 102.604+/-0.070 χ^2/NDF: 702807.9/25

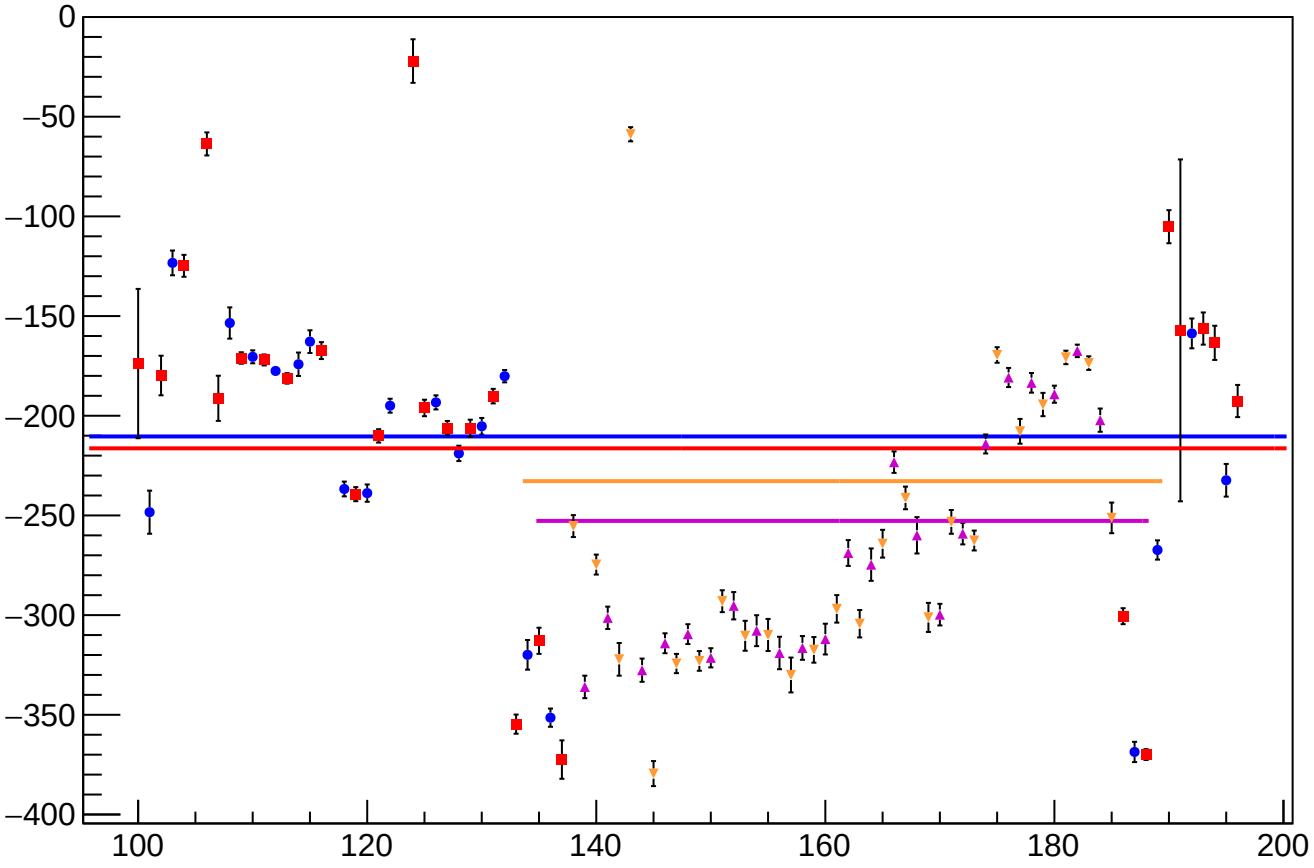
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.634+/-0.034 χ^2/NDF: 245456.7/44

All: 117.233+/-0.024 χ^2/NDF: 1011769.3/93

- sign 113.978+/-0.033 χ^2/NDF: 746614.0/48

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.385+/-0.968 χ^2/NDF: 3271.6/19

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.345+/-0.874 χ^2/NDF: 7448.8/25

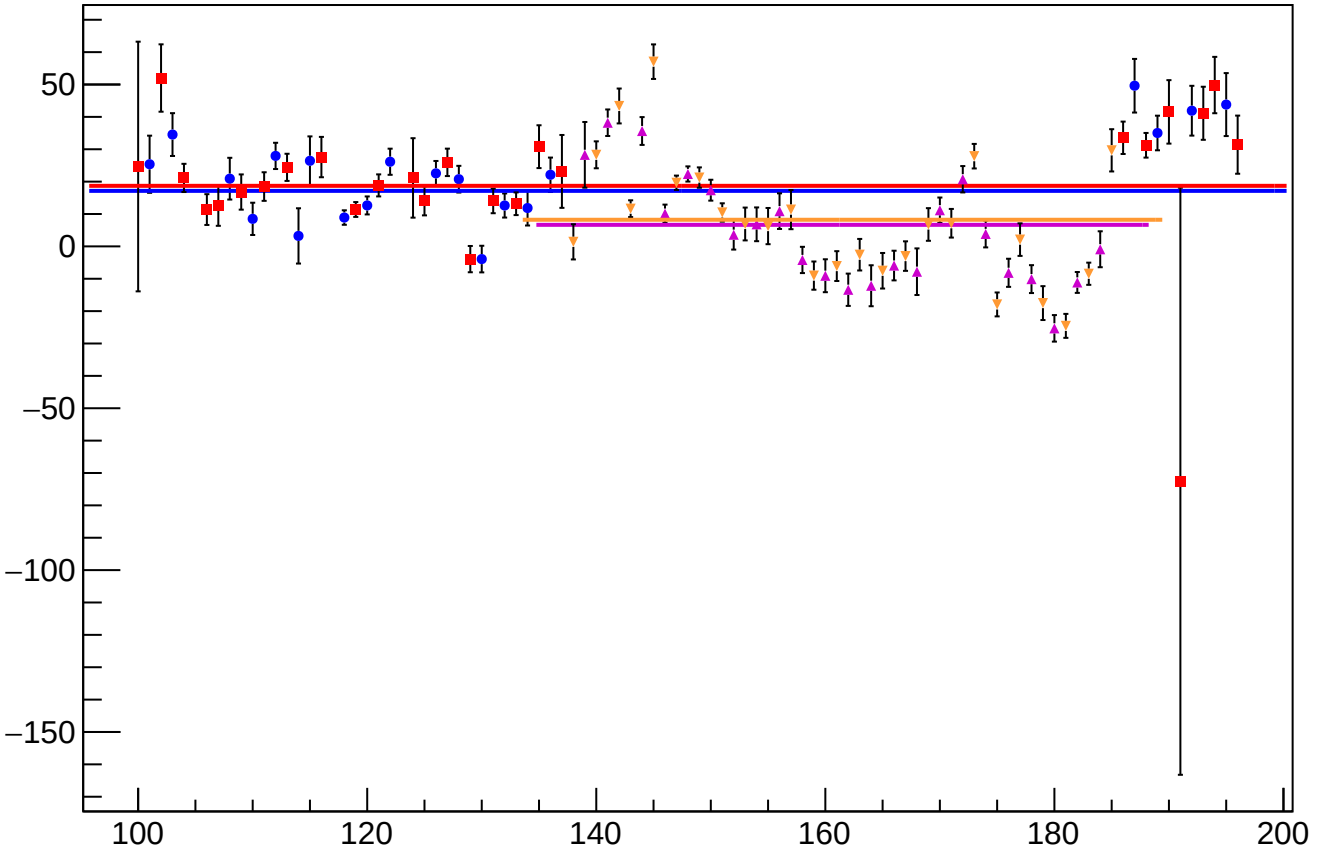
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.450+/-0.718 χ^2/NDF: 9276.5/44

All: -225.384+/-0.498 χ^2/NDF: 20378.5/93

- sign -229.957+/-0.692 χ^2/NDF: 11011.1/48

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.149+/-1.006 χ^2/NDF: 120.3/19

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 18.705+/-0.958 χ^2/NDF: 119.1/25

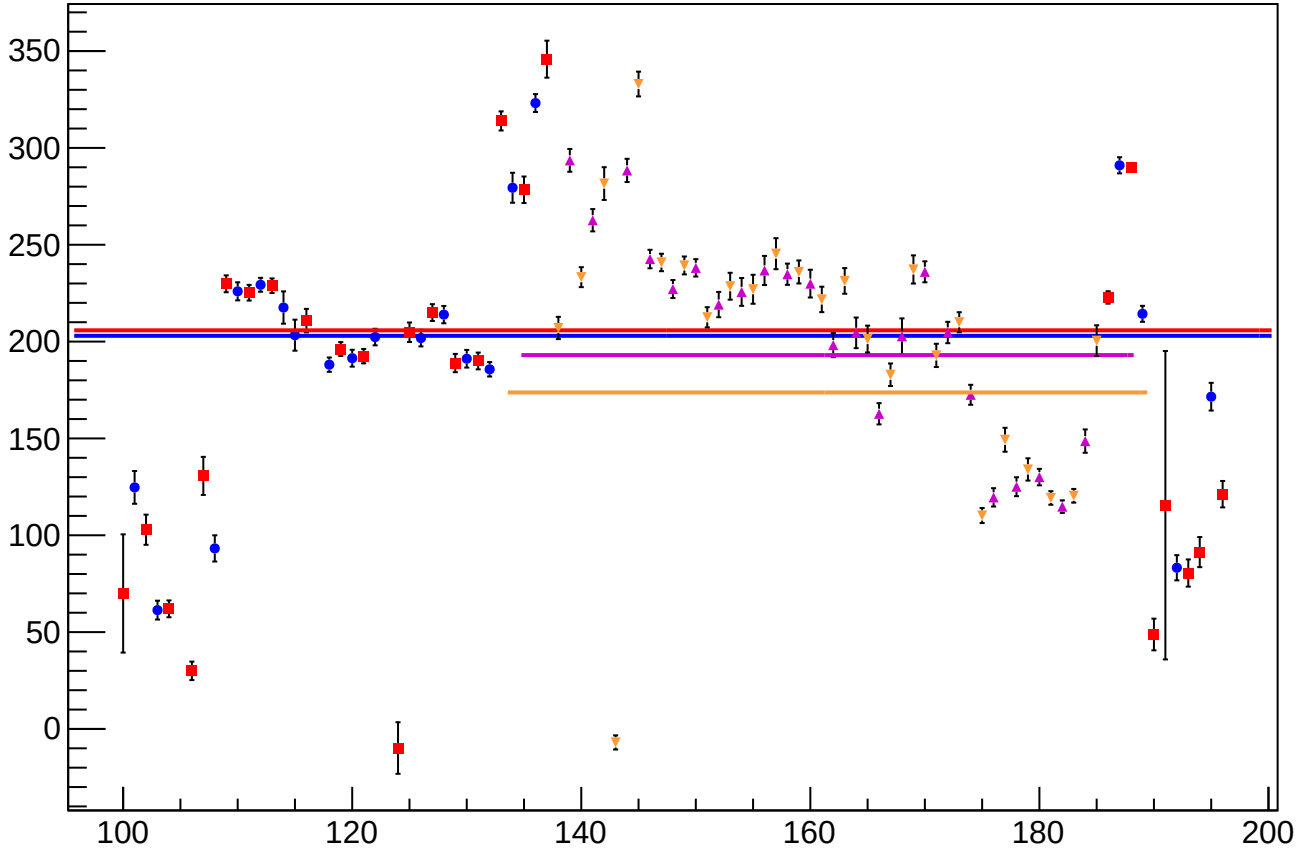
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.695+/-0.628 χ^2/NDF: 626.3/44

All: 11.856+/-0.448 χ^2/NDF: 1188.1/93

- sign 12.023+/-0.639 χ^2/NDF: 561.7/48

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.984+/-1.079 χ^2/NDF: 2919.4/19

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 205.821+/-0.940 χ^2/NDF: 6458.0/25

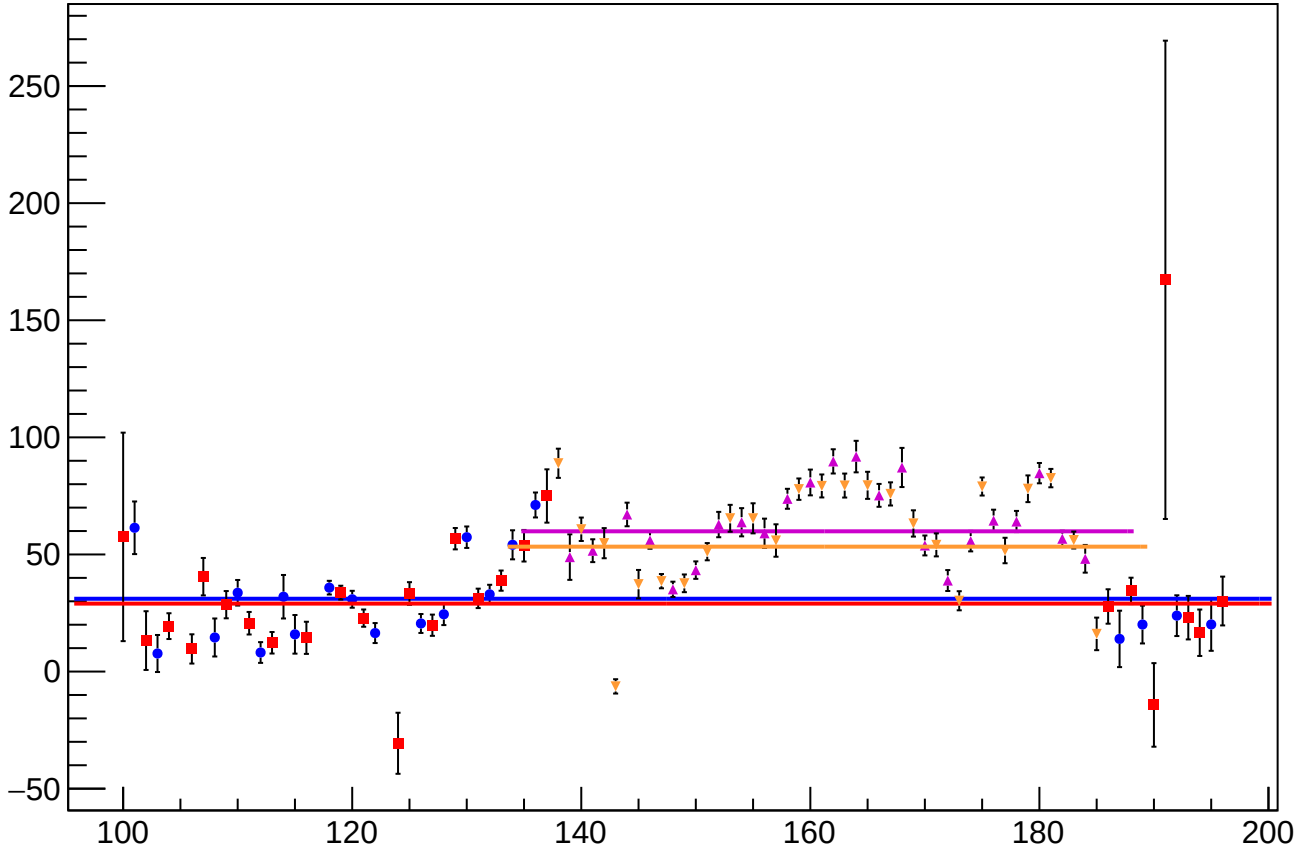
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 188.223+/-0.759 χ^2/NDF: 8550.6/44

All: 194.708+/-0.523 χ^2/NDF: 17735.6/93

- sign 200.545+/-0.720 χ^2/NDF: 9046.4/48

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.088+/-1.179 χ^2/NDF: 182.8/19

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.016+/-1.130 χ^2/NDF: 151.6/25

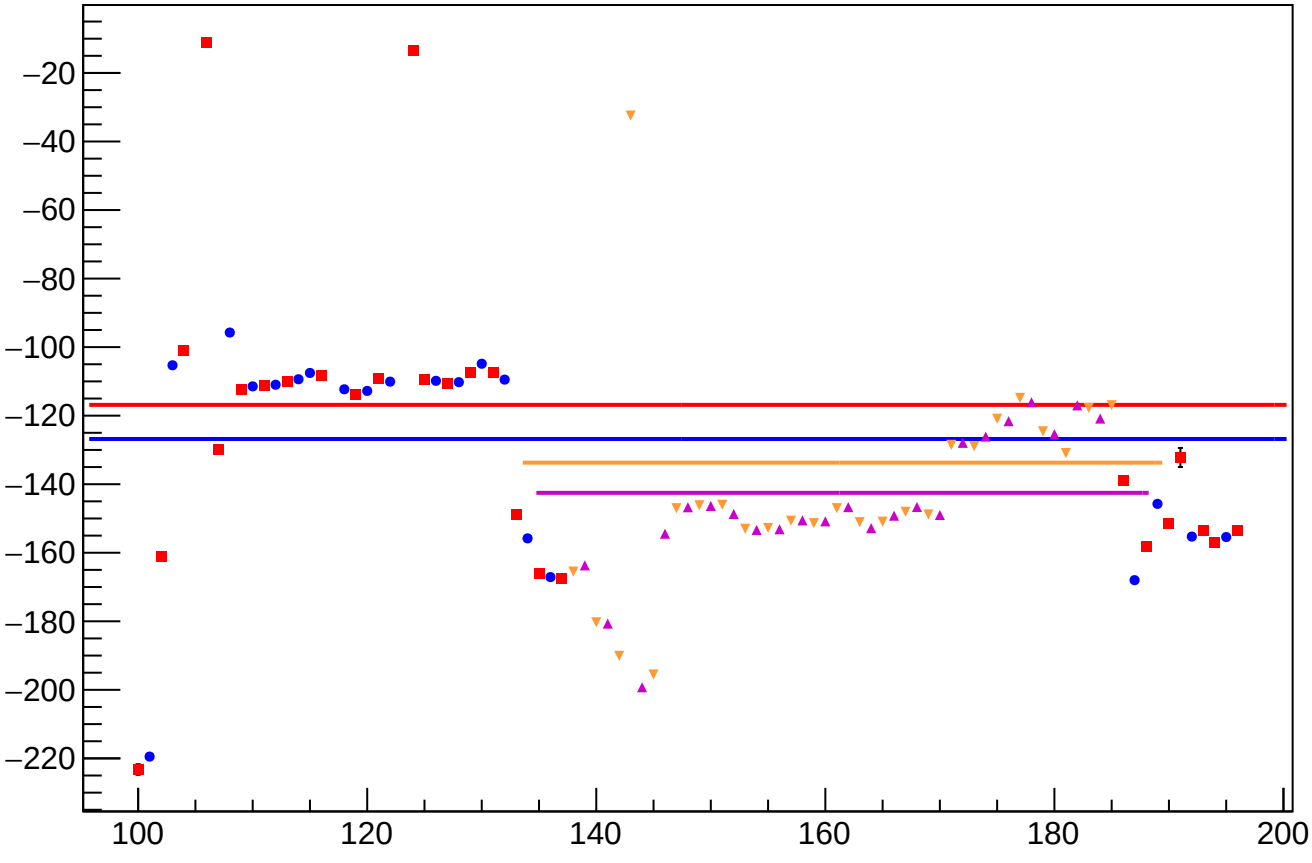
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.897+/-0.726 χ^2/NDF: 1182.6/44

All: 45.777+/-0.518 χ^2/NDF: 2015.4/93

- sign 46.688+/-0.739 χ^2/NDF: 829.8/48

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -126.810+/-0.072 χ^2/NDF: 149063.8/19

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -116.849+/-0.066 χ^2/NDF: 453773.1/25

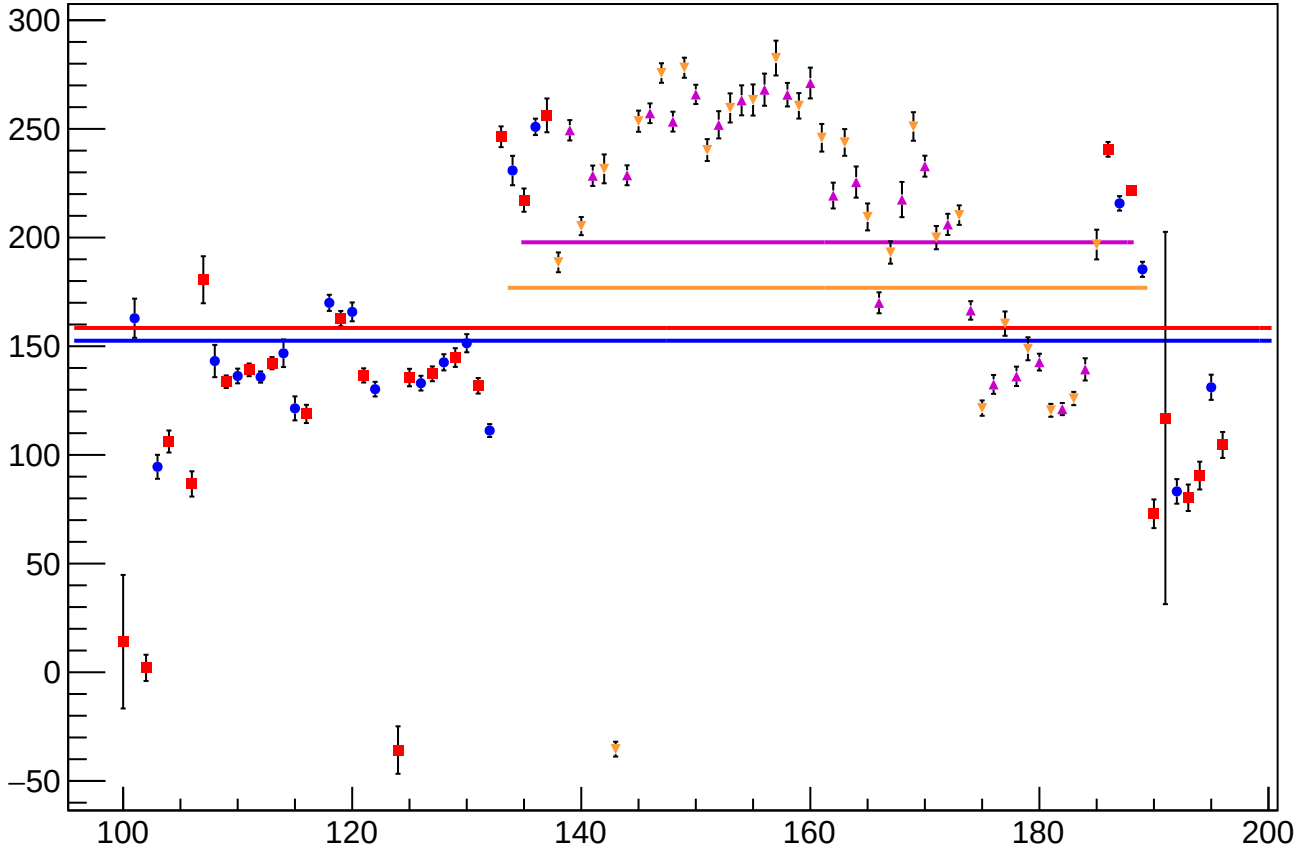
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.910+/-0.037 χ^2/NDF: 831754.3/44

All: -133.177+/-0.026 χ^2/NDF: 1571494.0/93

- sign -134.439+/-0.037 χ^2/NDF: 737378.2/48

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.536+/-0.903 χ^2/NDF: 1945.8/19

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 158.412+/-0.793 χ^2/NDF: 4687.8/25

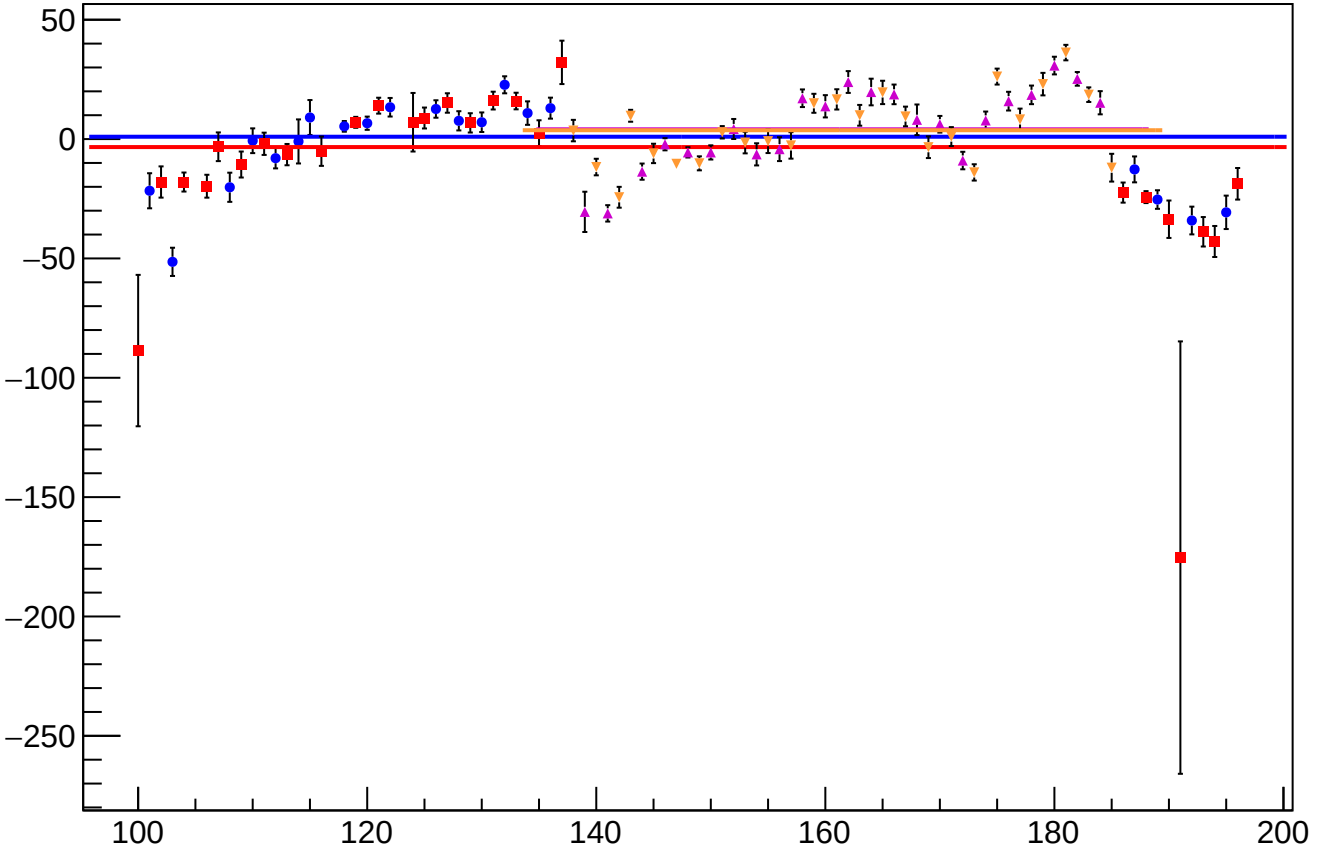
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 163.993+/-0.657 χ^2/NDF: 9712.9/44

All: 169.010+/-0.452 χ^2/NDF: 18426.0/93

- sign 173.522+/-0.623 χ^2/NDF: 8602.3/48

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.985+/-0.949 χ^2/NDF: 296.7/19

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.348+/-0.883 χ^2/NDF: 381.8/25

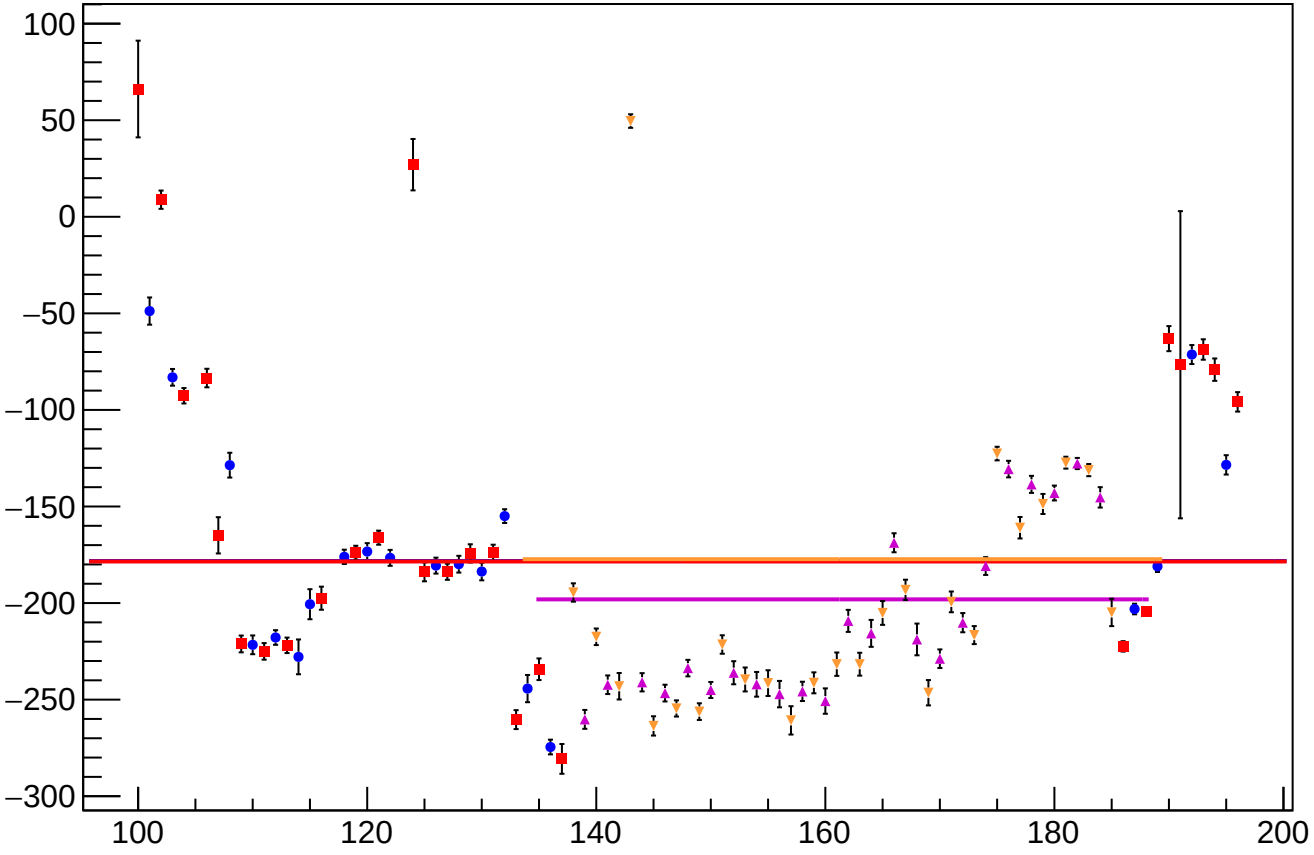
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

\+ sign 2.708+/-0.575 χ^2/NDF: 702.8/44

All: 1.806+/-0.408 χ^2/NDF: 1529.0/93

\- sign 0.891+/-0.580 χ^2/NDF: 821.2/48

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -178.256+/-0.961 χ^2/NDF: 2535.5/19

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -178.448+/-0.800 χ^2/NDF: 5576.5/25

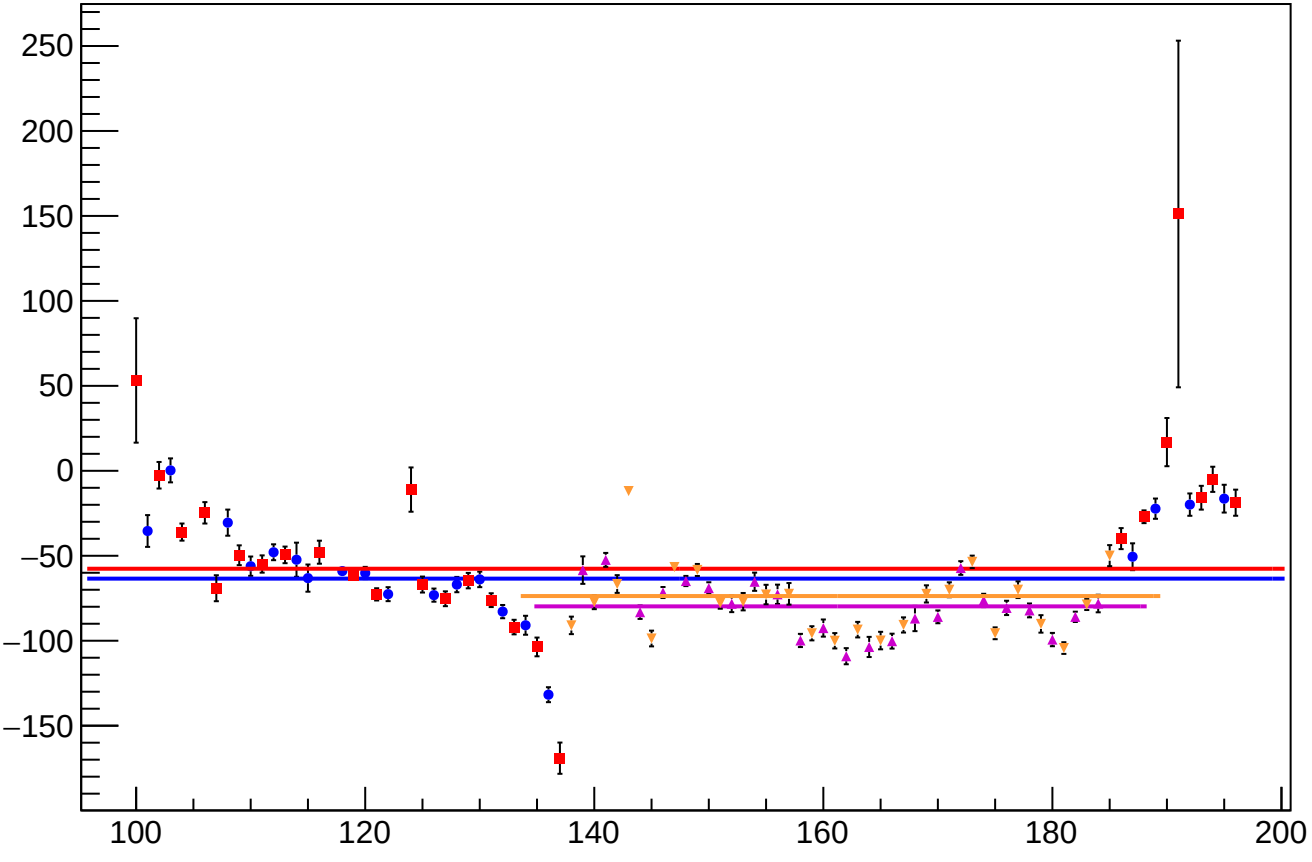
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

\+ sign -177.767+/-0.678 χ^2/NDF: 9576.0/44

All: -182.279+/-0.459 χ^2/NDF: 17855.9/93

\- sign -186.113+/-0.625 χ^2/NDF: 8197.9/48

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -63.453+/-1.119 χ^2/NDF: 554.7/19

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -57.628+/-1.059 χ^2/NDF: 688.2/25

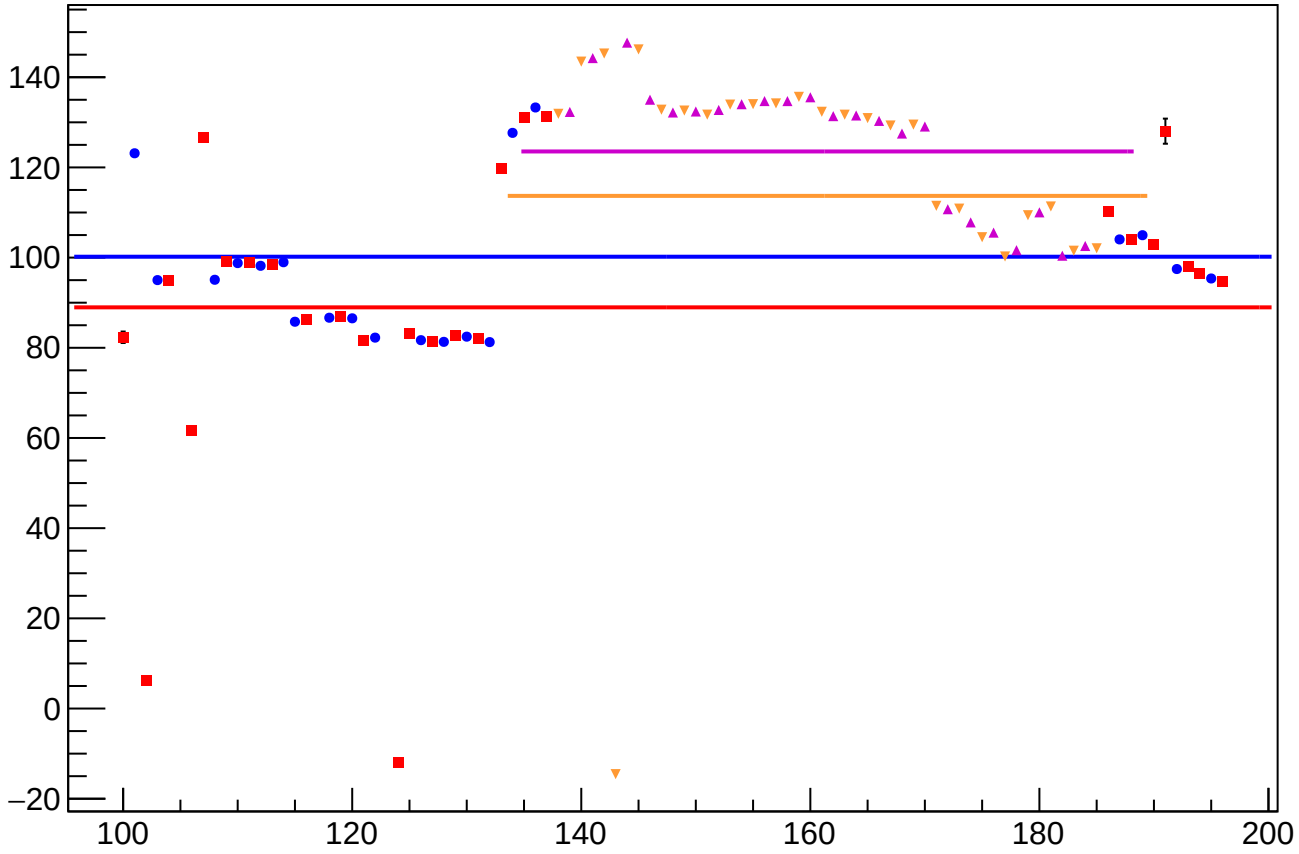
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -70.072+/-0.666 χ^2/NDF: 1448.5/44

All: -70.431+/-0.474 χ^2/NDF: 2674.7/93

\- sign -70.799+/-0.674 χ^2/NDF: 1225.6/48

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.197+/-0.065 χ^2/NDF: 68407.2/19

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 88.967+/-0.057 χ^2/NDF: 281347.5/25

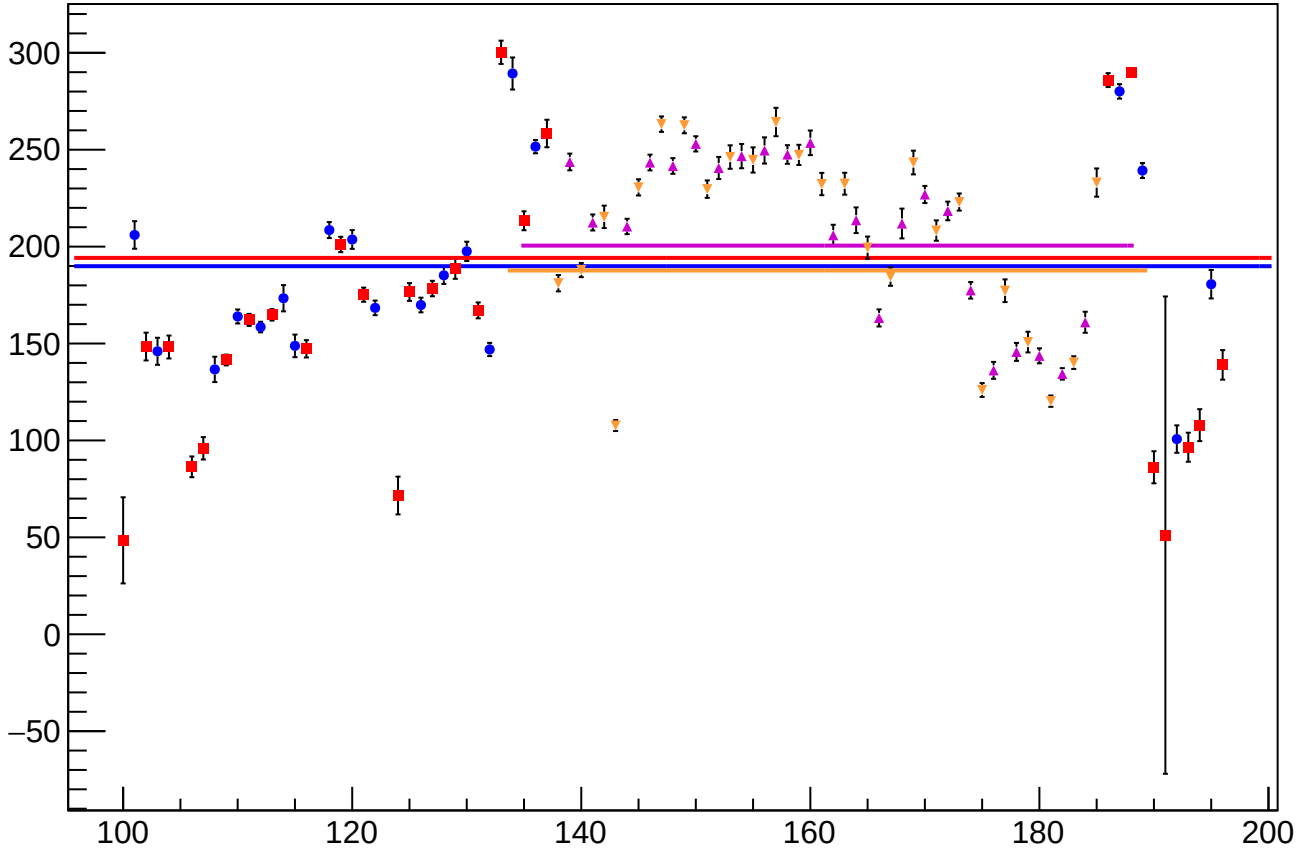
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.162+/-0.033 χ^2/NDF: 1063878.8/44

All: 111.277+/-0.023 χ^2/NDF: 1728165.5/93

- 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: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

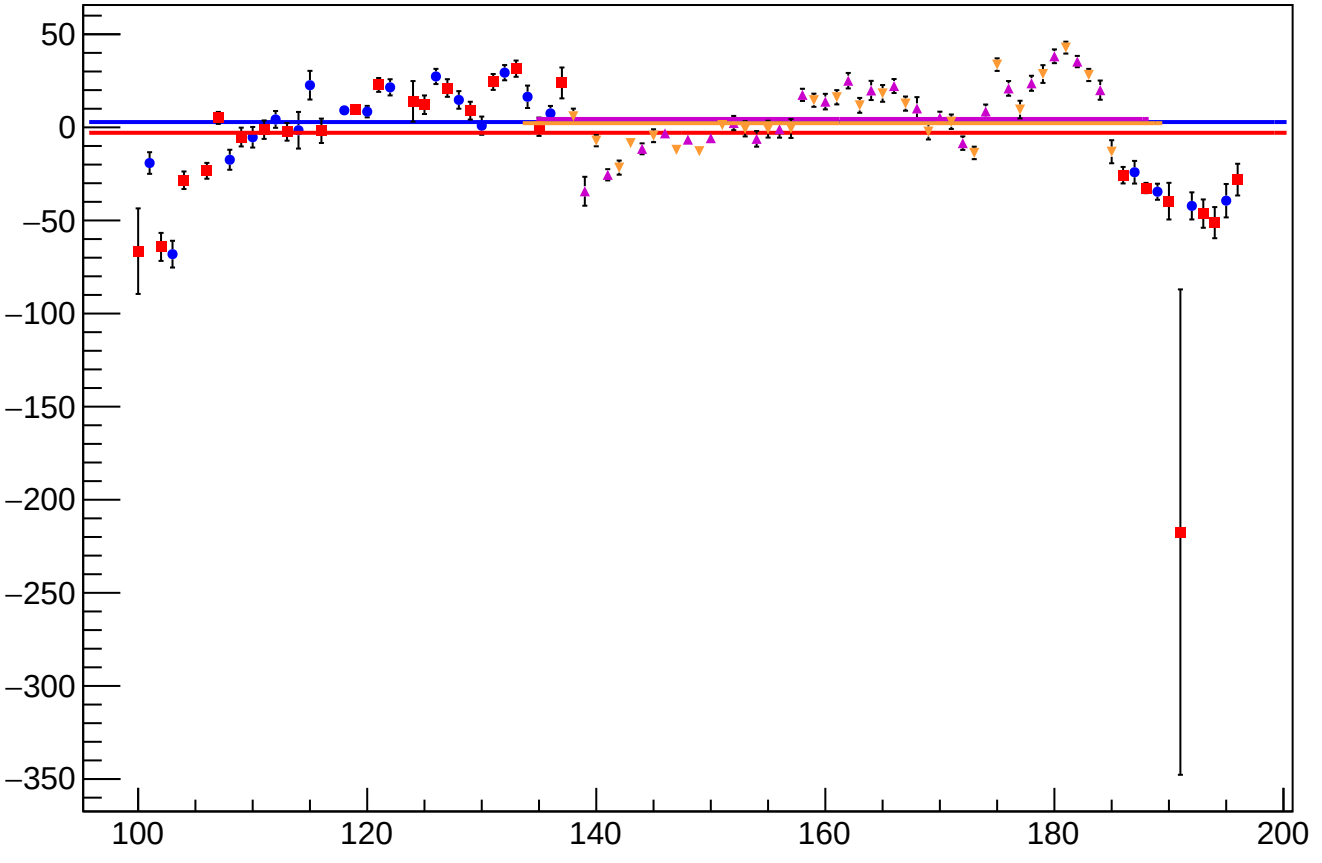
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.020+/-0.461 χ^2/NDF: 13395.9/93

- 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: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.918+/-0.943 χ^2/NDF: 595.2/25

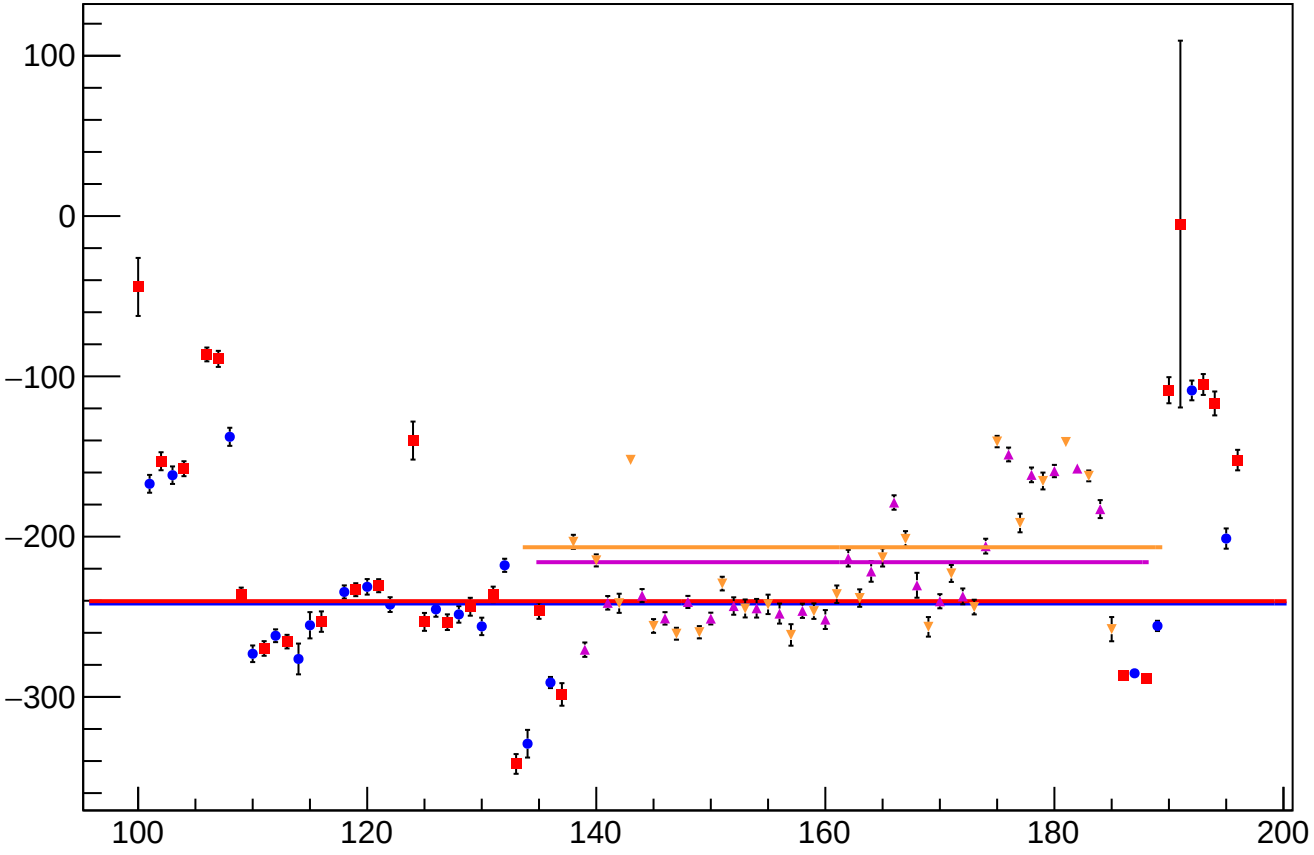
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.419+/-0.560 χ^2/NDF: 1010.1/44

All: 2.117+/-0.399 χ^2/NDF: 2192.6/93

- sign 1.804+/-0.569 χ^2/NDF: 1181.8/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -241.709+/-1.054 χ^2/NDF: 1891.3/19

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

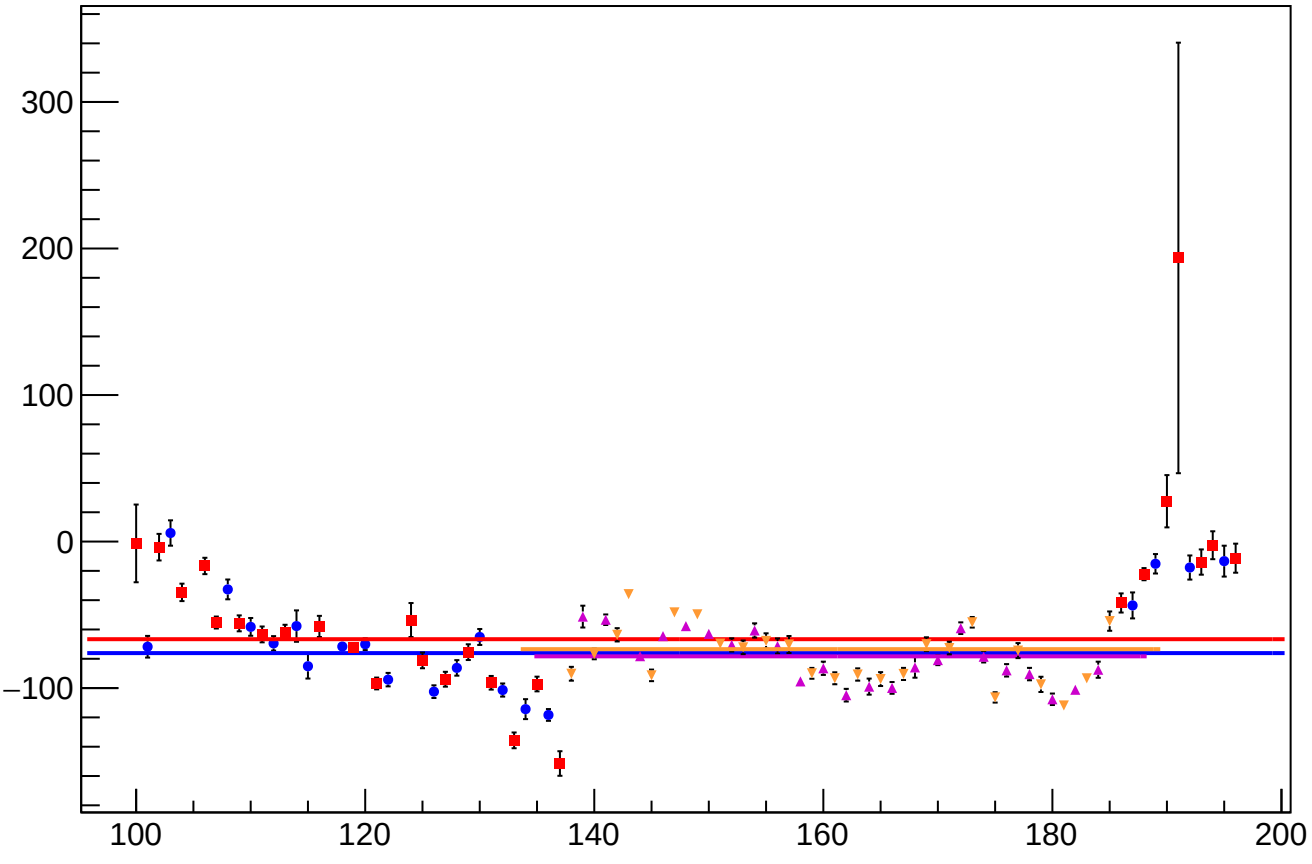
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.461+/-0.467 χ^2/NDF: 12868.6/93

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

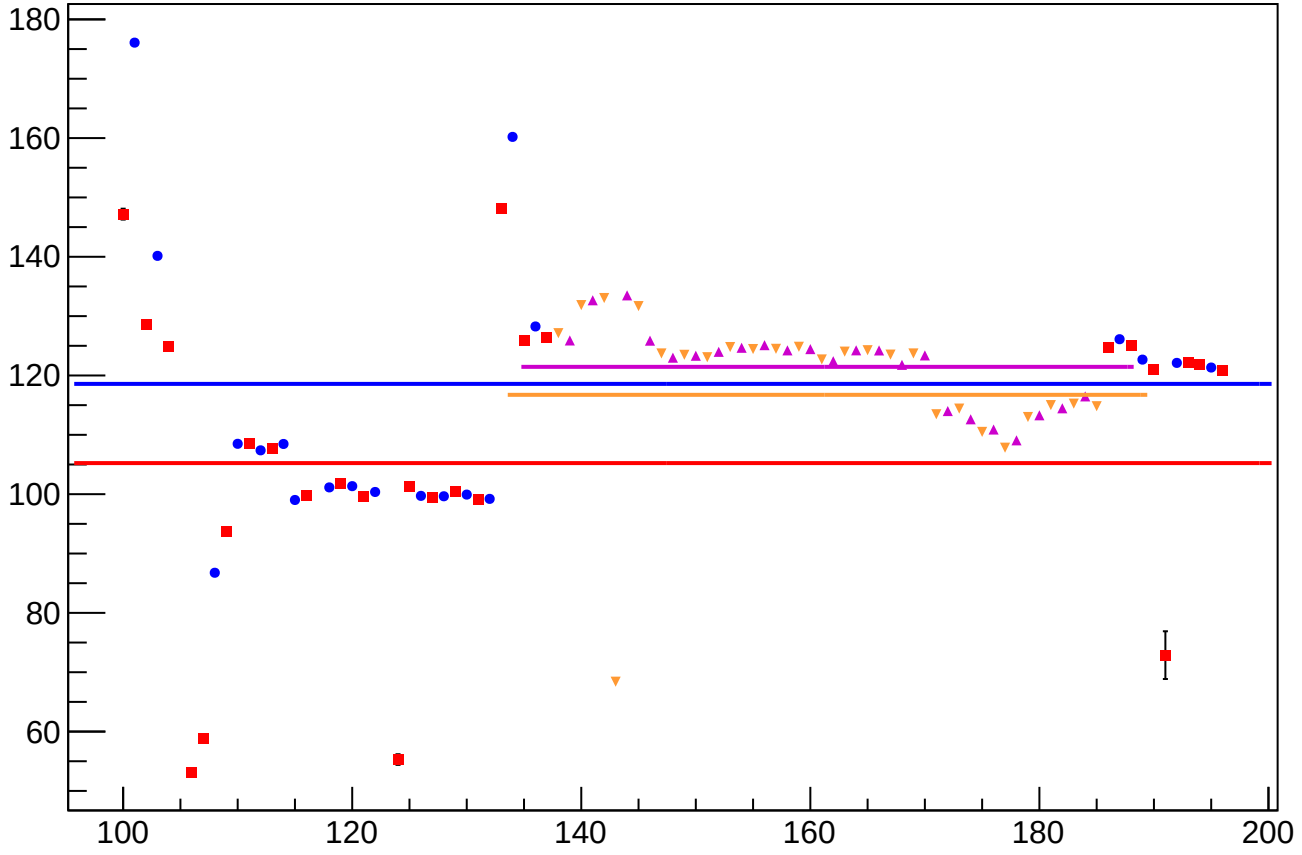
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.250+/-0.464 χ^2/NDF: 2815.6/93

- sign -74.320+/-0.663 χ^2/NDF: 1408.2/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

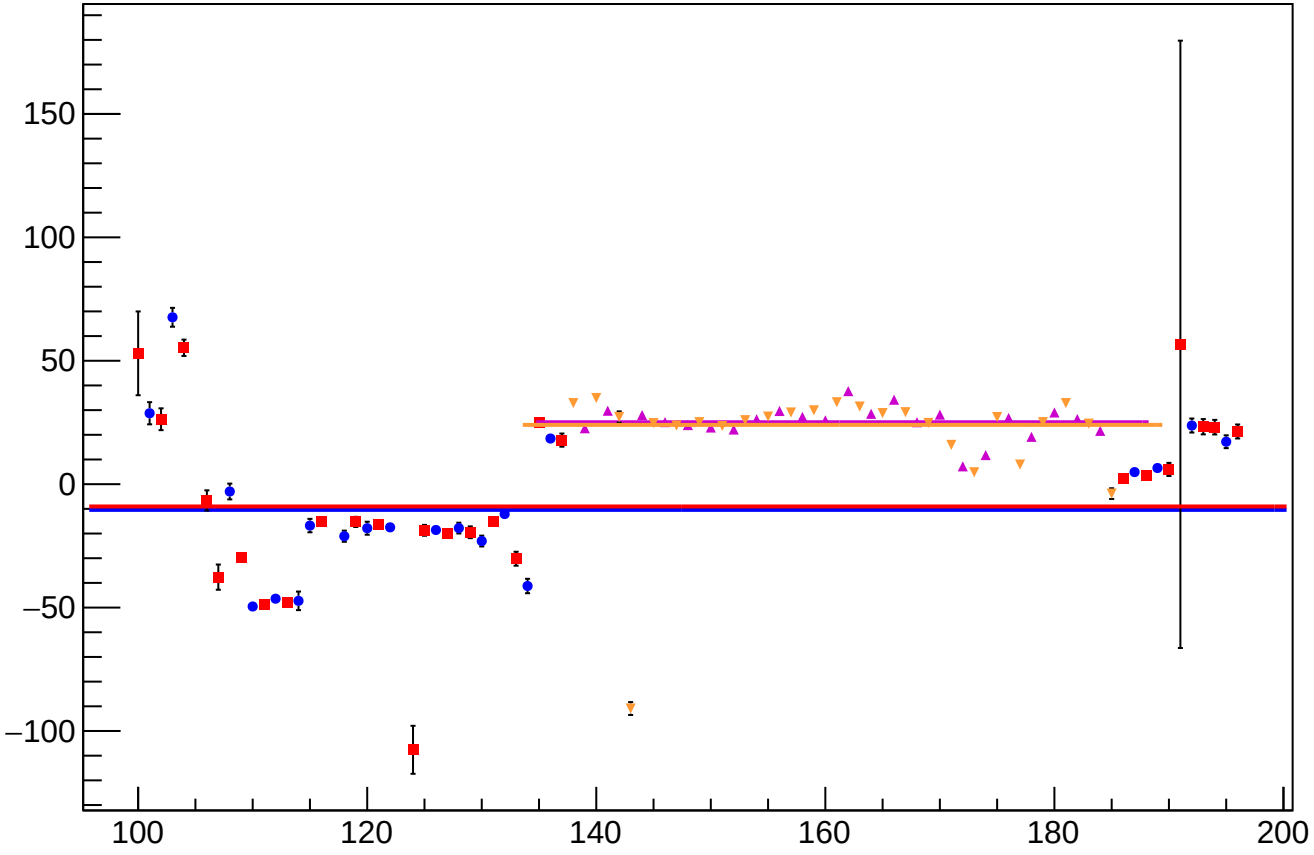
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.093+/-0.023 χ^2/NDF: 573472.5/93

- 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: -10.411+/-0.484 χ^2/NDF: 2613.9/19

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.038+/-0.423 χ^2/NDF: 2999.5/25

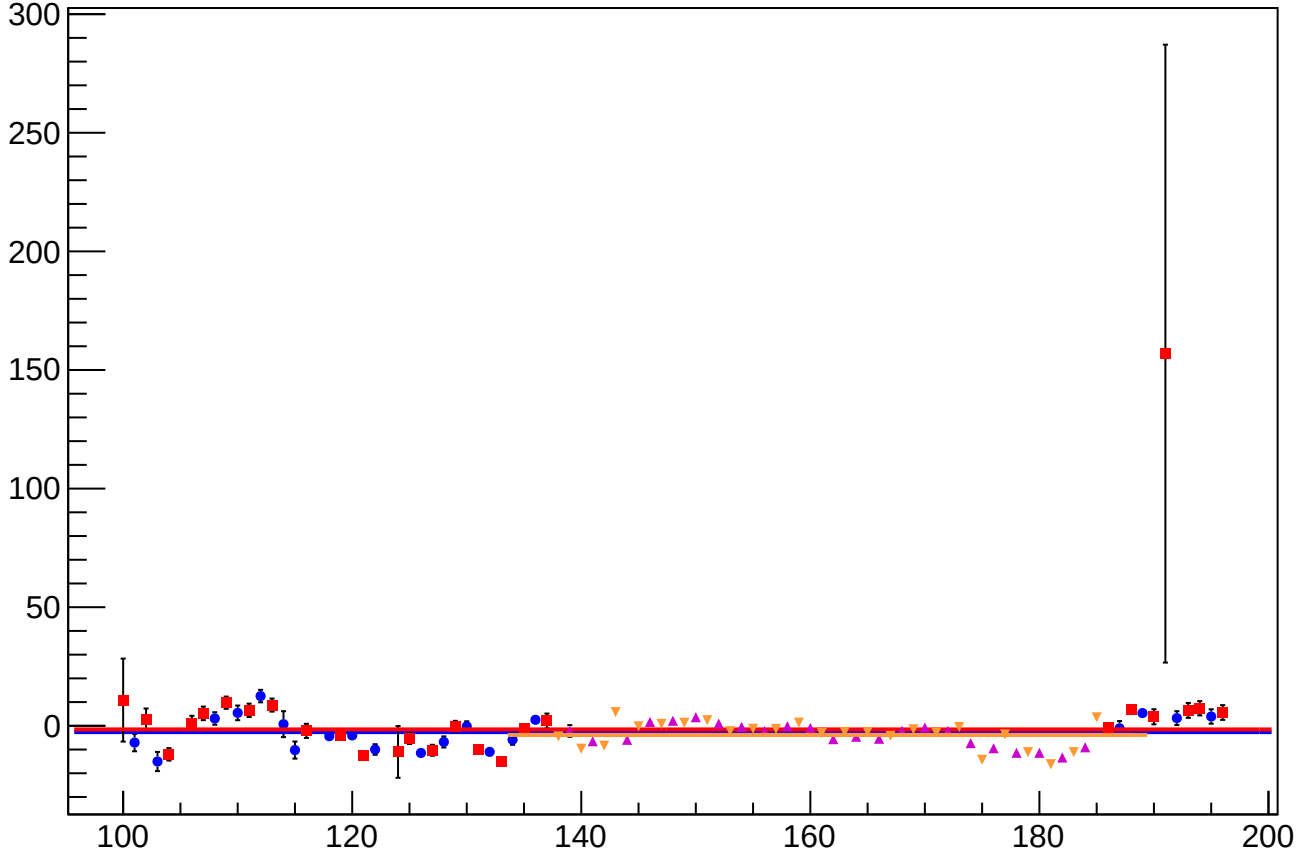
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.294+/-0.244 χ^2/NDF: 9196.3/44

All: 14.802+/-0.170 χ^2/NDF: 17148.4/93

- 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: -2.655+/-0.511 χ^2/NDF: 150.8/19

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

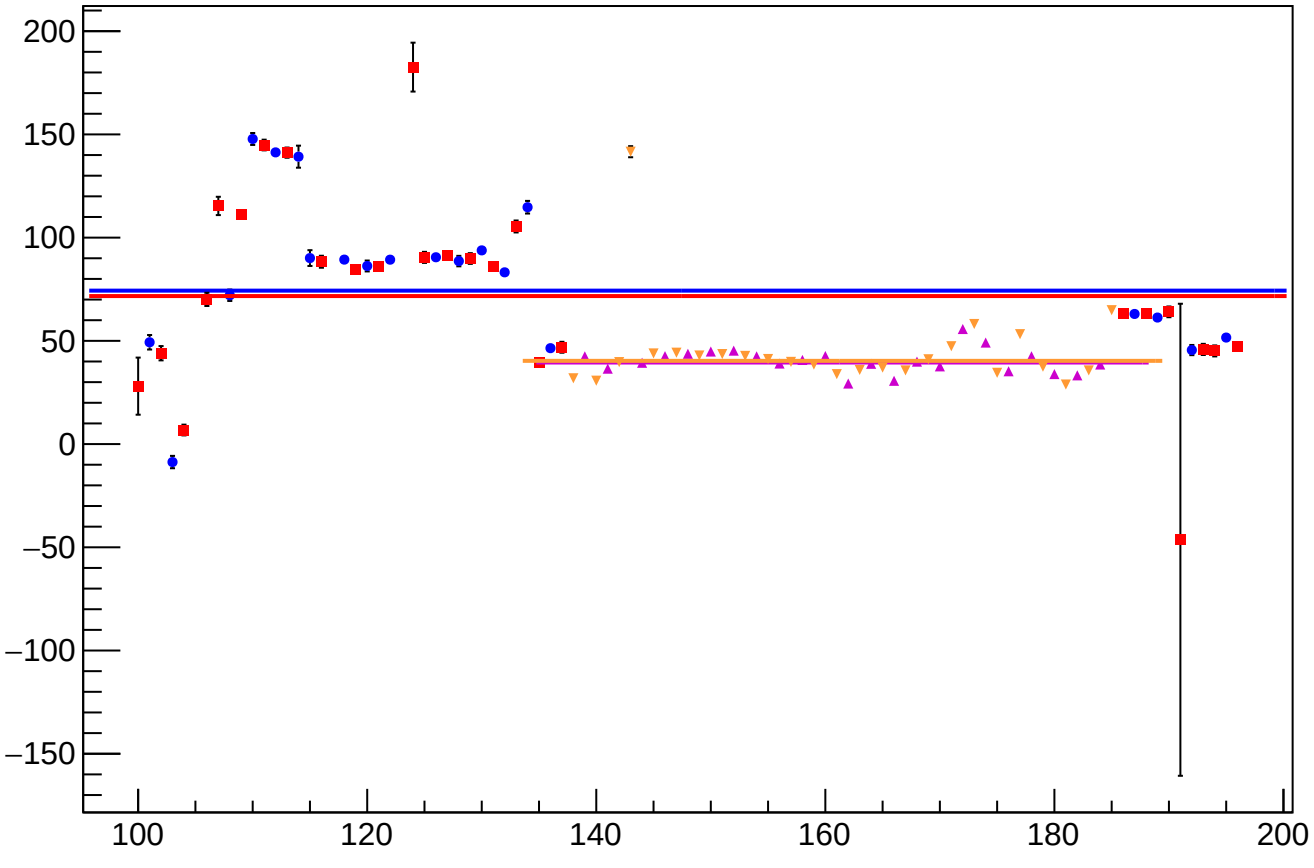
Right Out: -1.526+/-0.475 χ^2/NDF: 234.6/25

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.662+/-0.200 χ^2/NDF: 804.8/44

All: -3.518+/-0.142 χ^2/NDF: 1568.7/93

- sign -3.372+/-0.202 χ^2/NDF: 762.8/48



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

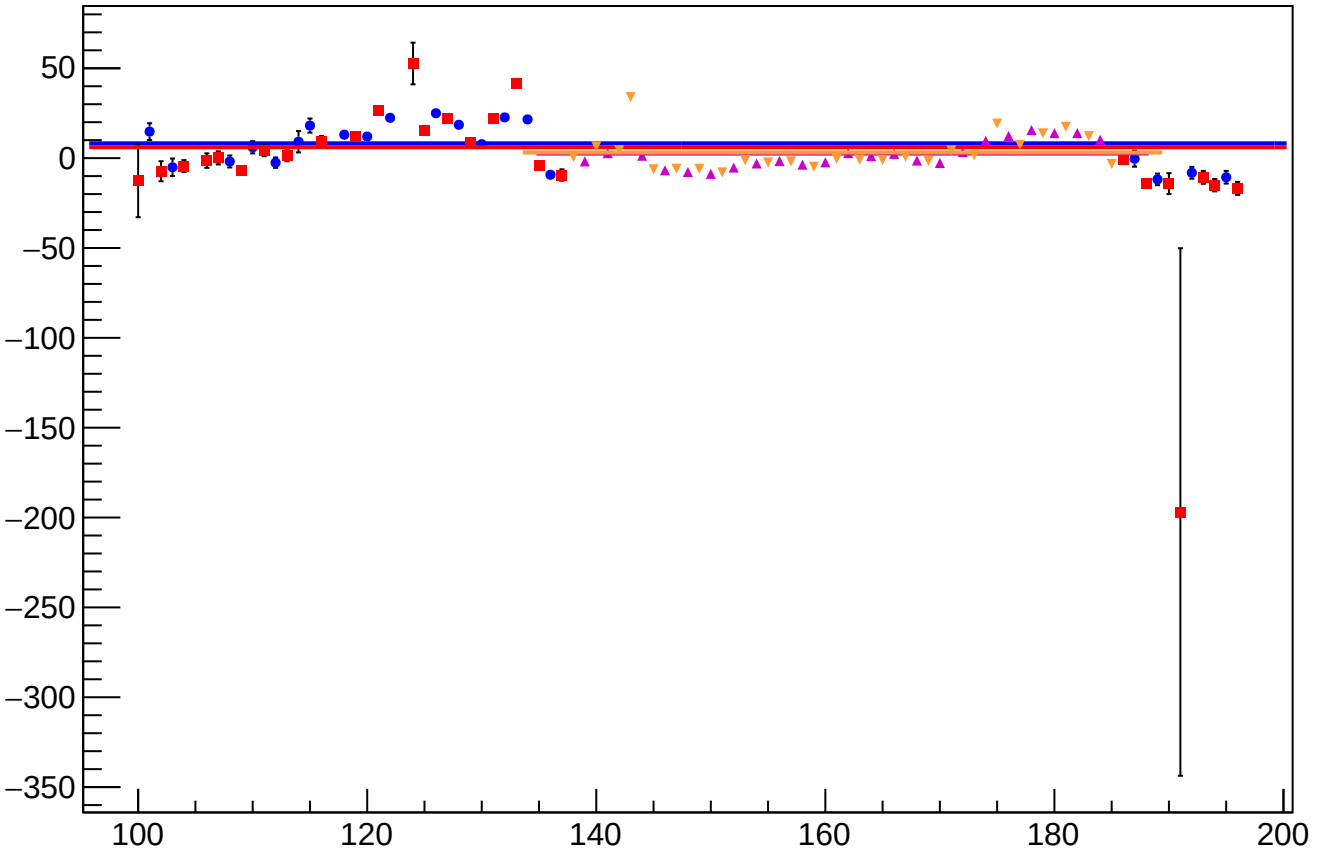
Right Out: 71.694+/-0.423 χ^2/NDF: 4080.5/25

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.223+/-0.245 χ^2/NDF: 9320.2/44

All: 48.909+/-0.170 χ^2/NDF: 17834.4/93

- sign 49.544+/-0.236 χ^2/NDF: 8499.2/48



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

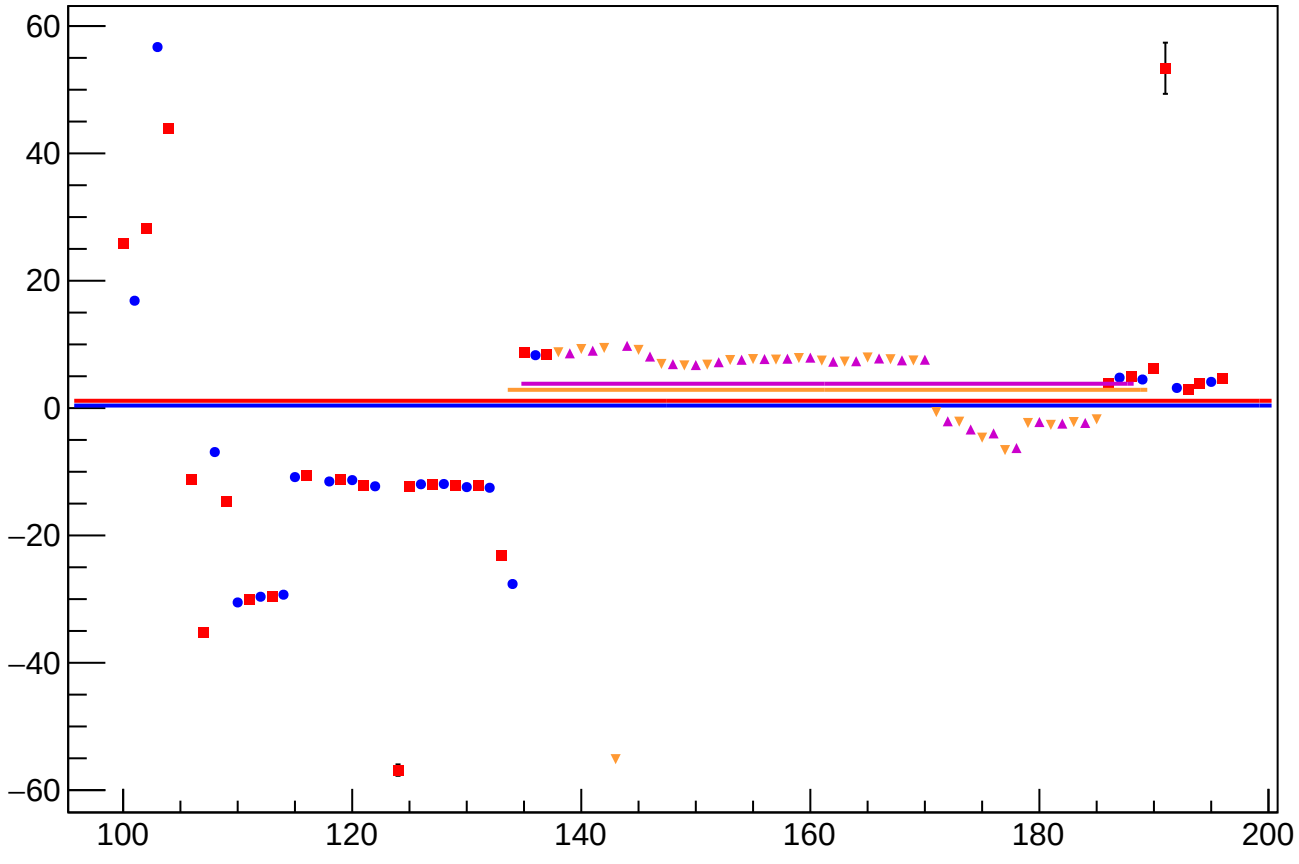
Right Out: 6.069+/-0.567 χ^2/NDF: 724.4/25

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.894+/-0.227 χ^2/NDF: 1798.0/44

All: 3.502+/-0.161 χ^2/NDF: 3529.3/93

- sign 3.100+/-0.230 χ^2/NDF: 1725.3/48



Right In: 0.401+/-0.031 χ^2/NDF: 372213.9/19

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

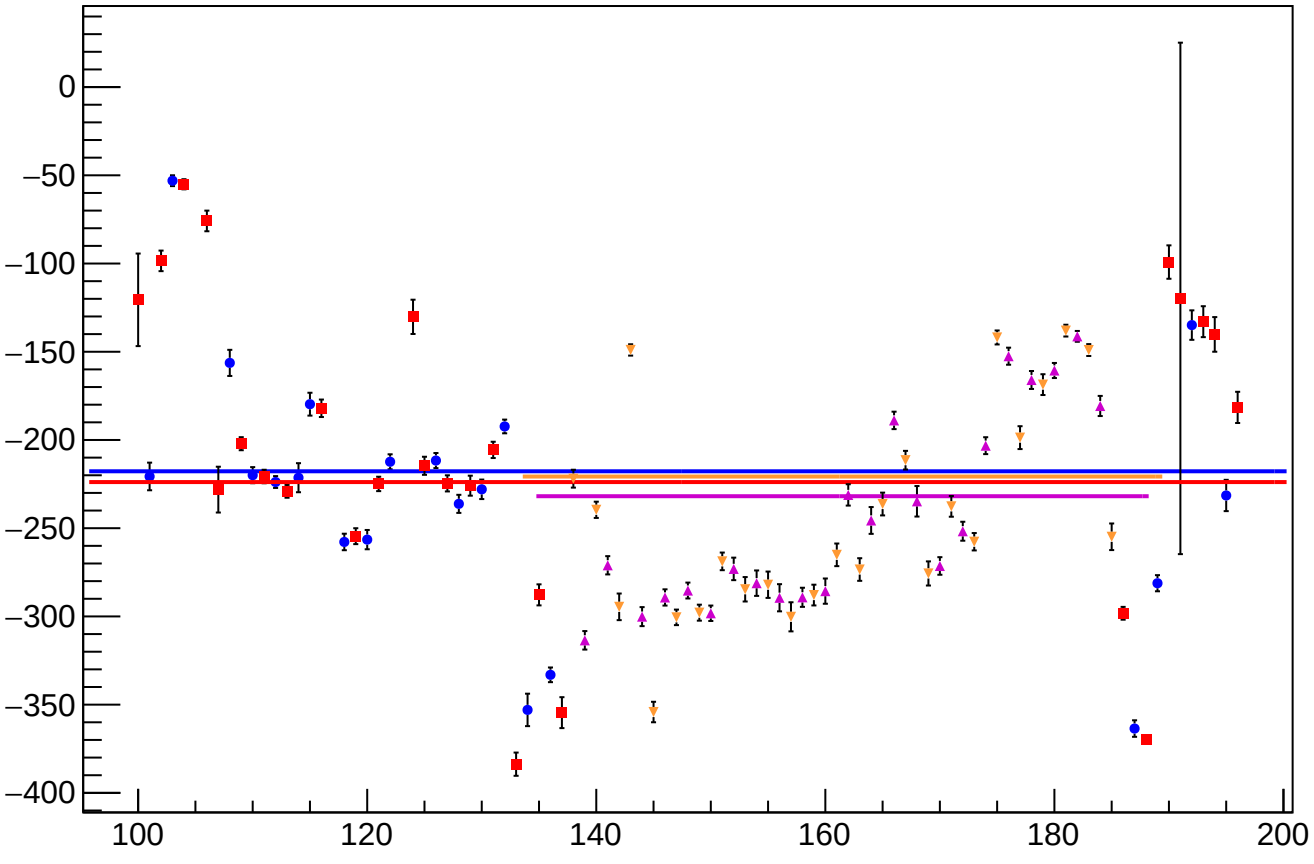
Right Out: 1.150+/-0.030 χ^2/NDF: 323083.8/25

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.597+/-0.010 χ^2/NDF: 890135.8/44

All: 3.046+/-0.007 χ^2/NDF: 1457314.8/93

- sign 3.498+/-0.010 χ^2/NDF: 563409.9/48



Right In: -217.745+/-1.096 χ^2/NDF: 5424.0/19

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -223.855+/-0.964 χ^2/NDF: 9959.8/25

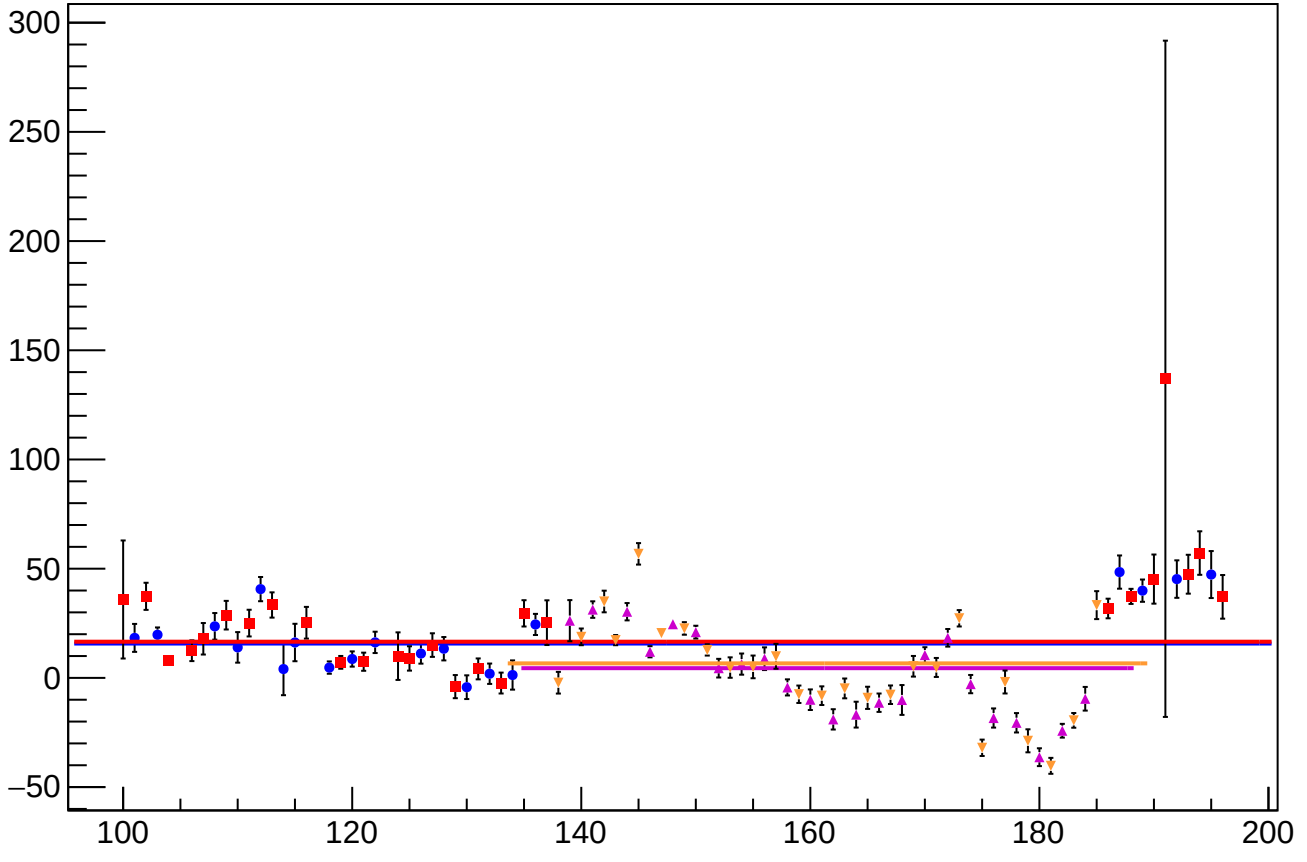
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.343+/-0.746 χ^2/NDF: 9480.2/44

All: -223.534+/-0.517 χ^2/NDF: 22692.0/93

- sign -227.419+/-0.718 χ^2/NDF: 13150.9/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 15.730+/-1.140 χ^2/NDF: 136.7/19

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.569+/-1.016 χ^2/NDF: 189.9/25

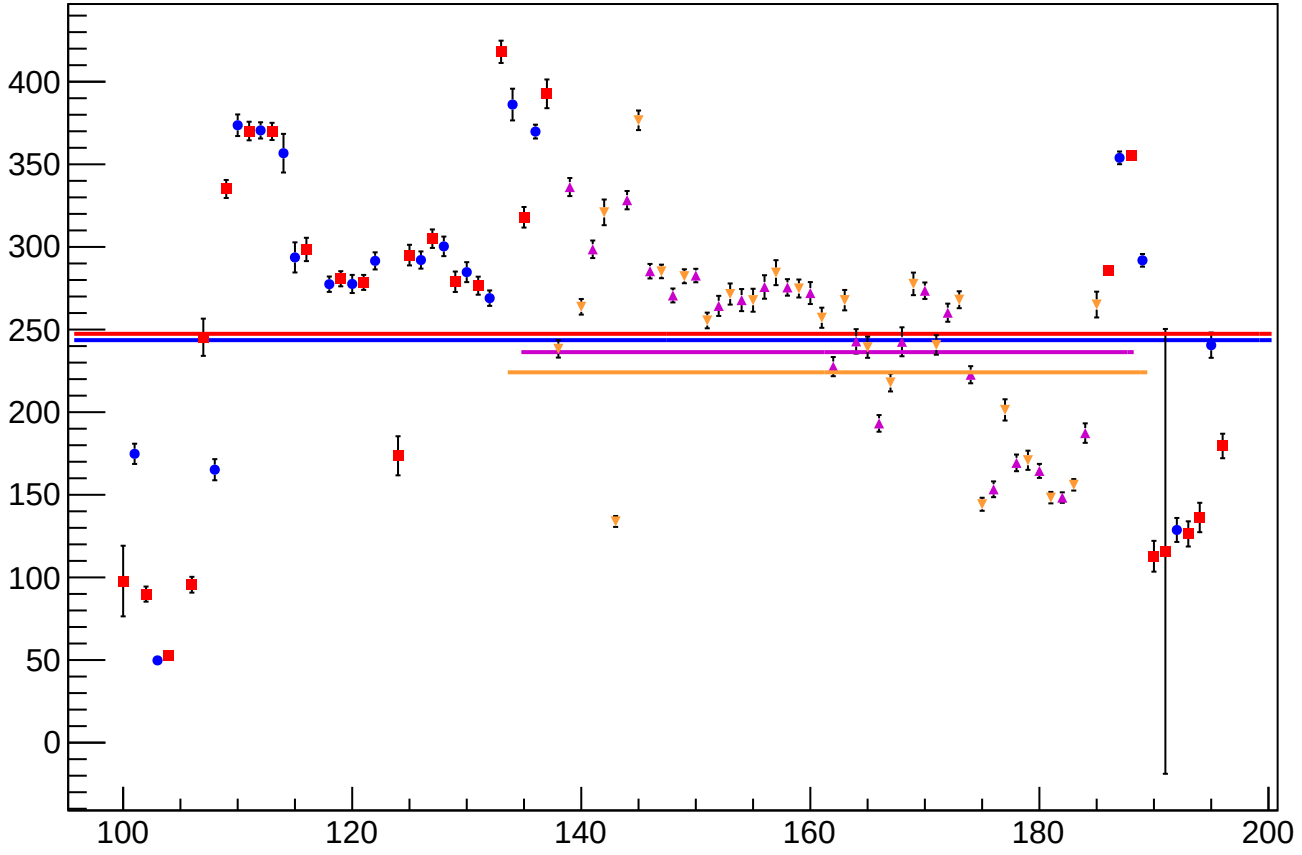
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.400+/-0.628 χ^2/NDF: 916.0/44

All: 9.269+/-0.445 χ^2/NDF: 1760.3/93

- 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: 243.590+/-1.117 χ^2/NDF: 10721.5/19

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

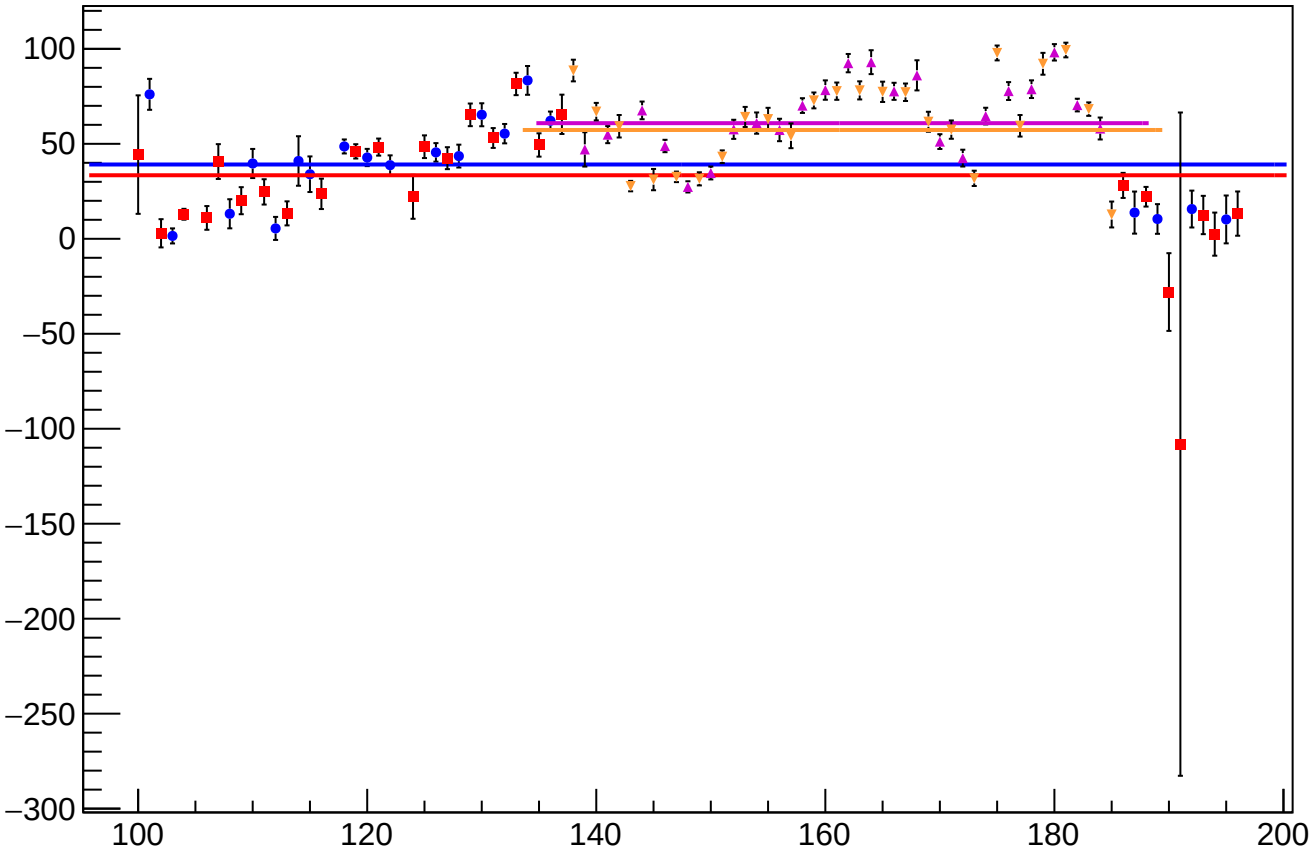
Right Out: 247.427+/-0.942 χ^2/NDF: 16140.3/25

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.916+/-0.751 χ^2/NDF: 14854.8/44

All: 238.037+/-0.514 χ^2/NDF: 34136.5/93

- sign 242.569+/-0.706 χ^2/NDF: 19194.0/48



Right In: 39.118+/-1.344 χ^2/NDF: 278.0/19

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

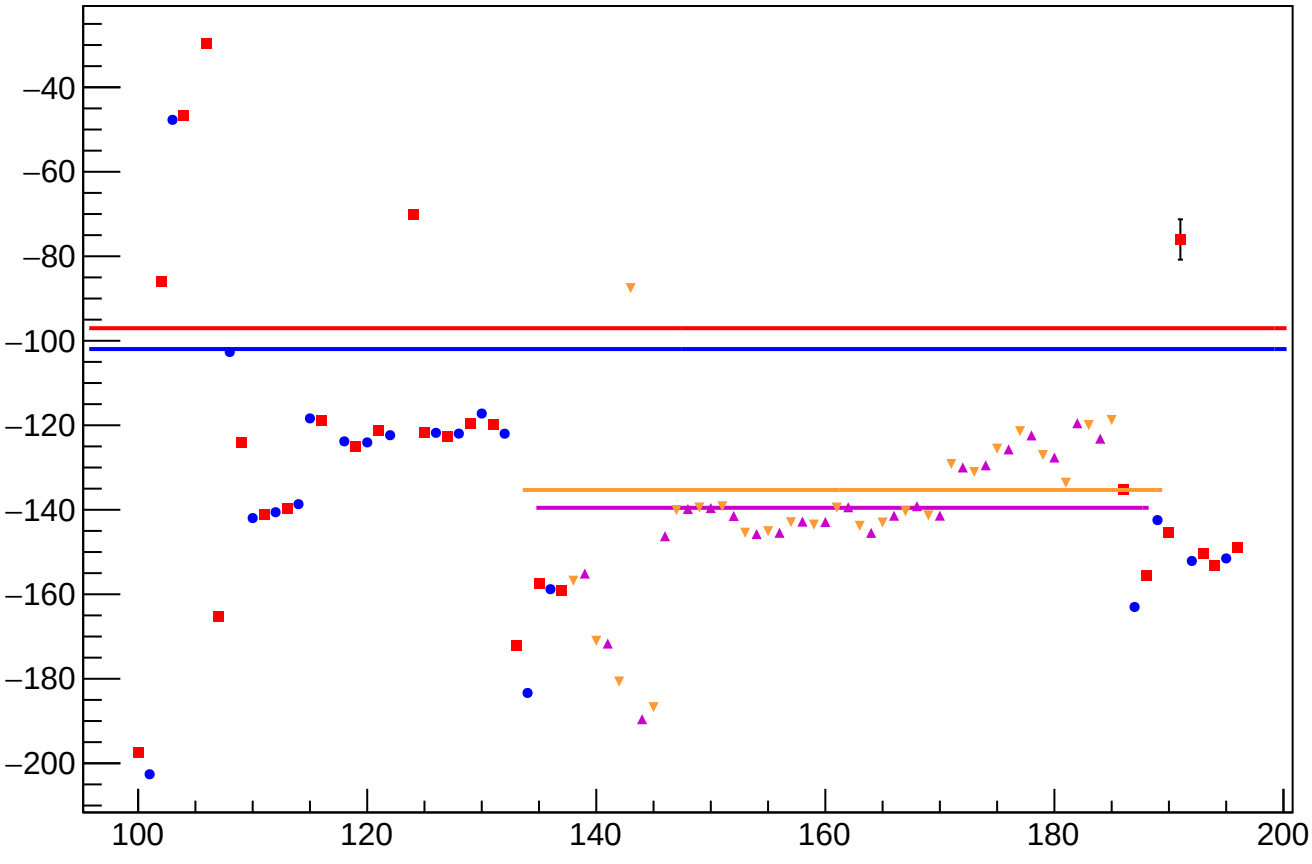
Right Out: 33.452+/-1.227 χ^2/NDF: 286.0/25

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.941+/-0.729 χ^2/NDF: 1174.8/44

All: 51.462+/-0.518 χ^2/NDF: 2235.5/93

- sign 50.972+/-0.737 χ^2/NDF: 1059.8/48



Right In: -101.959+/-0.065 χ^2/NDF: 594625.8/19

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

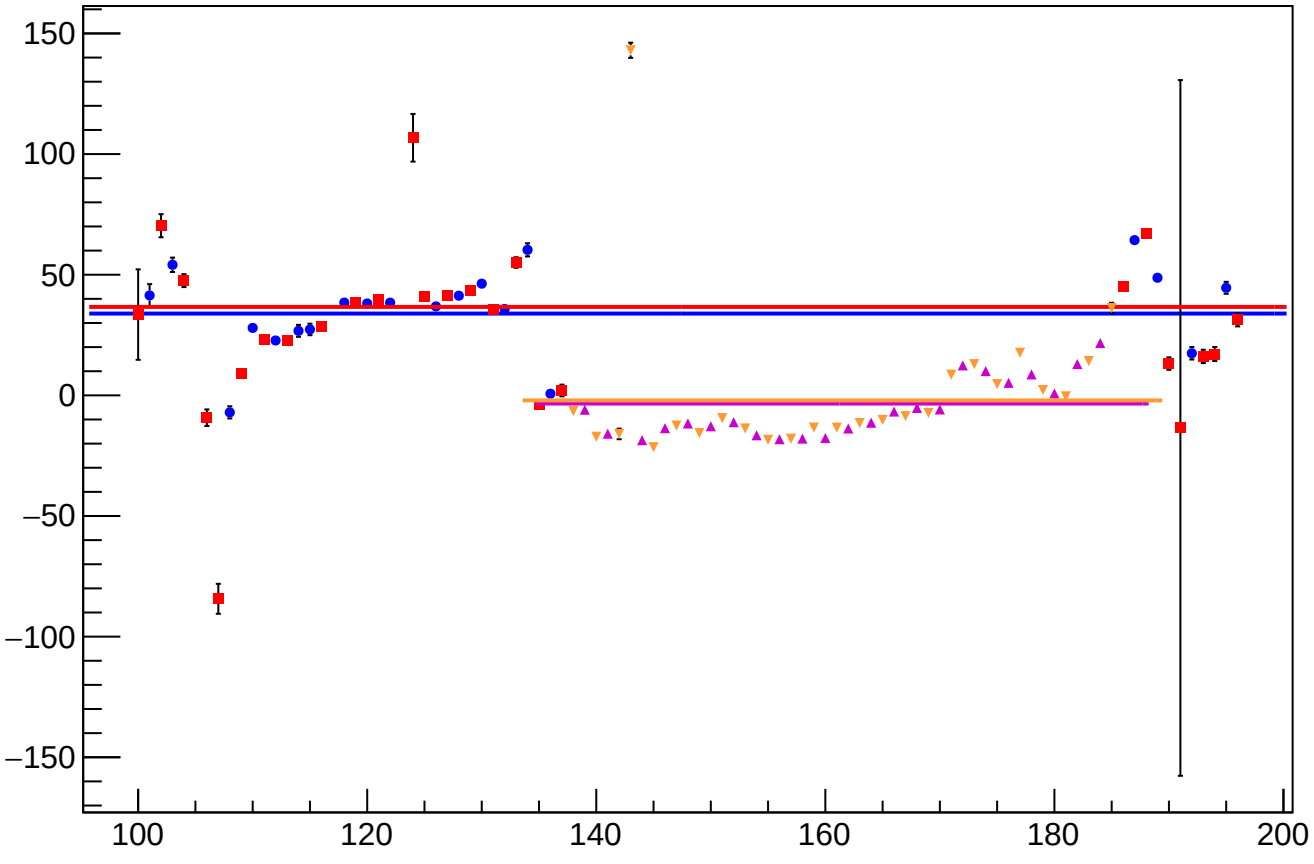
Right Out: -97.023+/-0.061 χ^2/NDF: 647740.3/25

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.997+/-0.034 χ^2/NDF: 1046017.9/44

All: -125.879+/-0.024 χ^2/NDF: 2138456.1/93

- sign -125.759+/-0.035 χ^2/NDF: 1092414.4/48



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

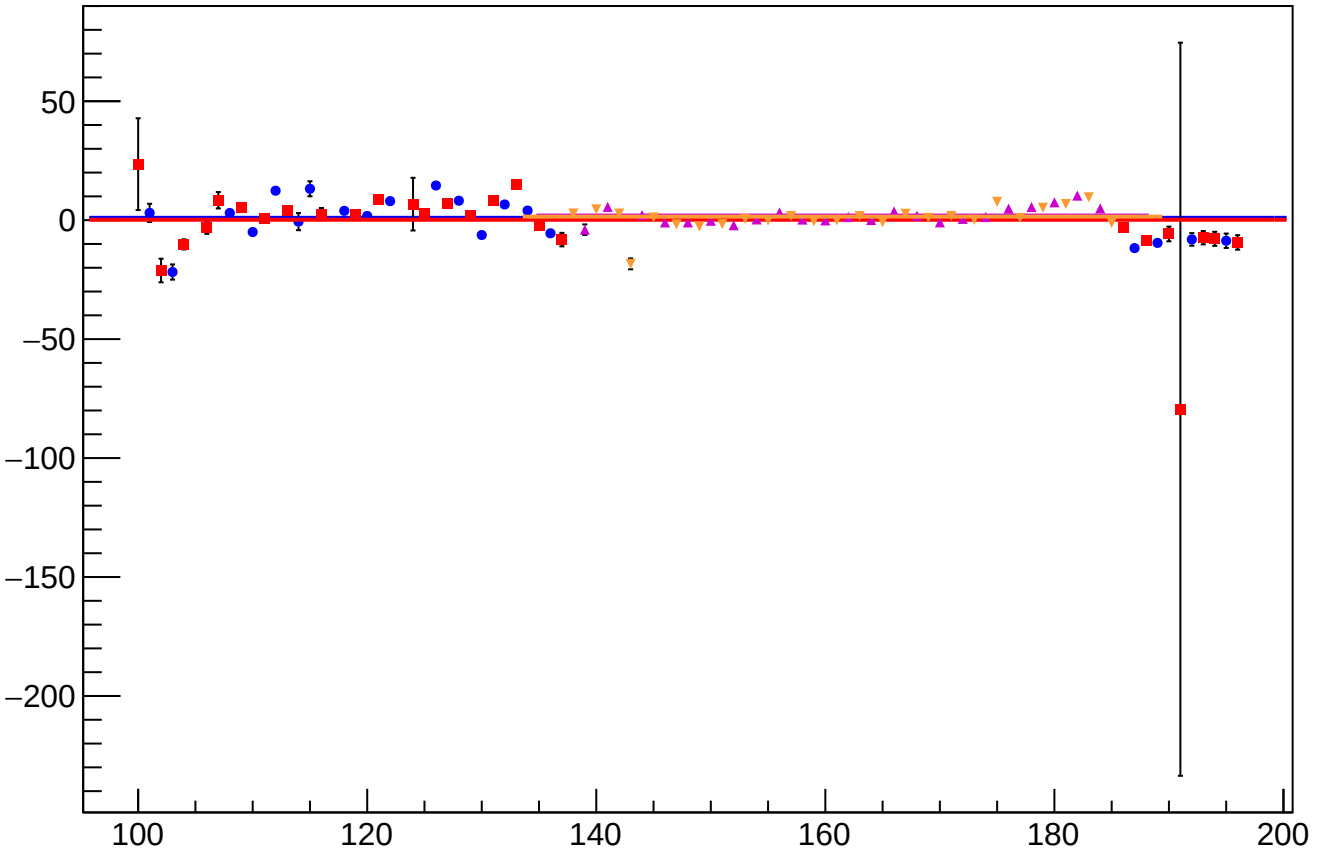
Right Out: 36.658+/-0.322 χ^2/NDF: 4488.3/25

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 9.902+/-0.218 χ^2/NDF: 12477.0/44

All: 11.658+/-0.150 χ^2/NDF: 27897.1/93

\- sign 13.250+/-0.207 χ^2/NDF: 15296.2/48



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

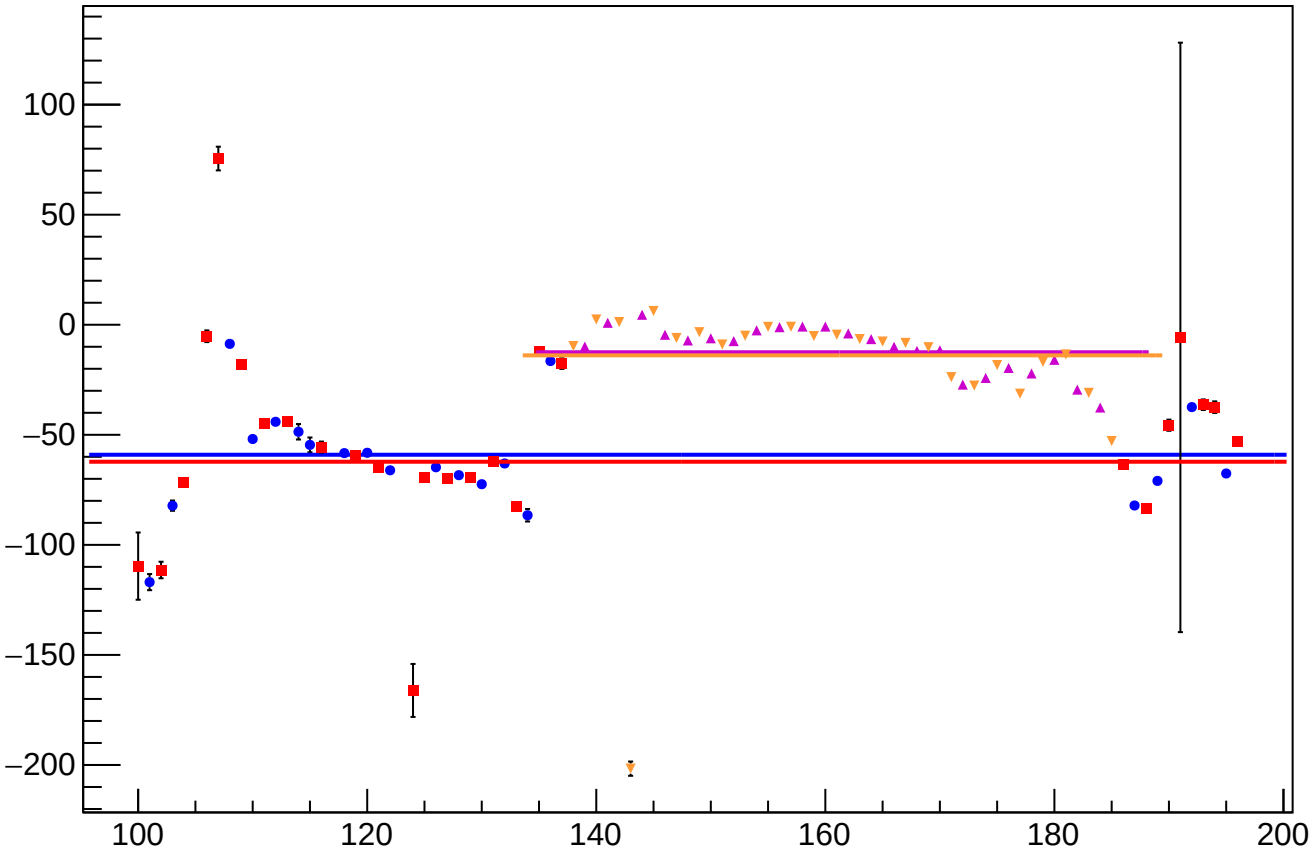
Right Out: 0.178+/-0.372 χ^2/NDF: 344.8/25

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.386+/-0.183 χ^2/NDF: 706.3/44

All: 1.447+/-0.129 χ^2/NDF: 1308.9/93

\- sign 1.507+/-0.183 χ^2/NDF: 602.4/48



Right In: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

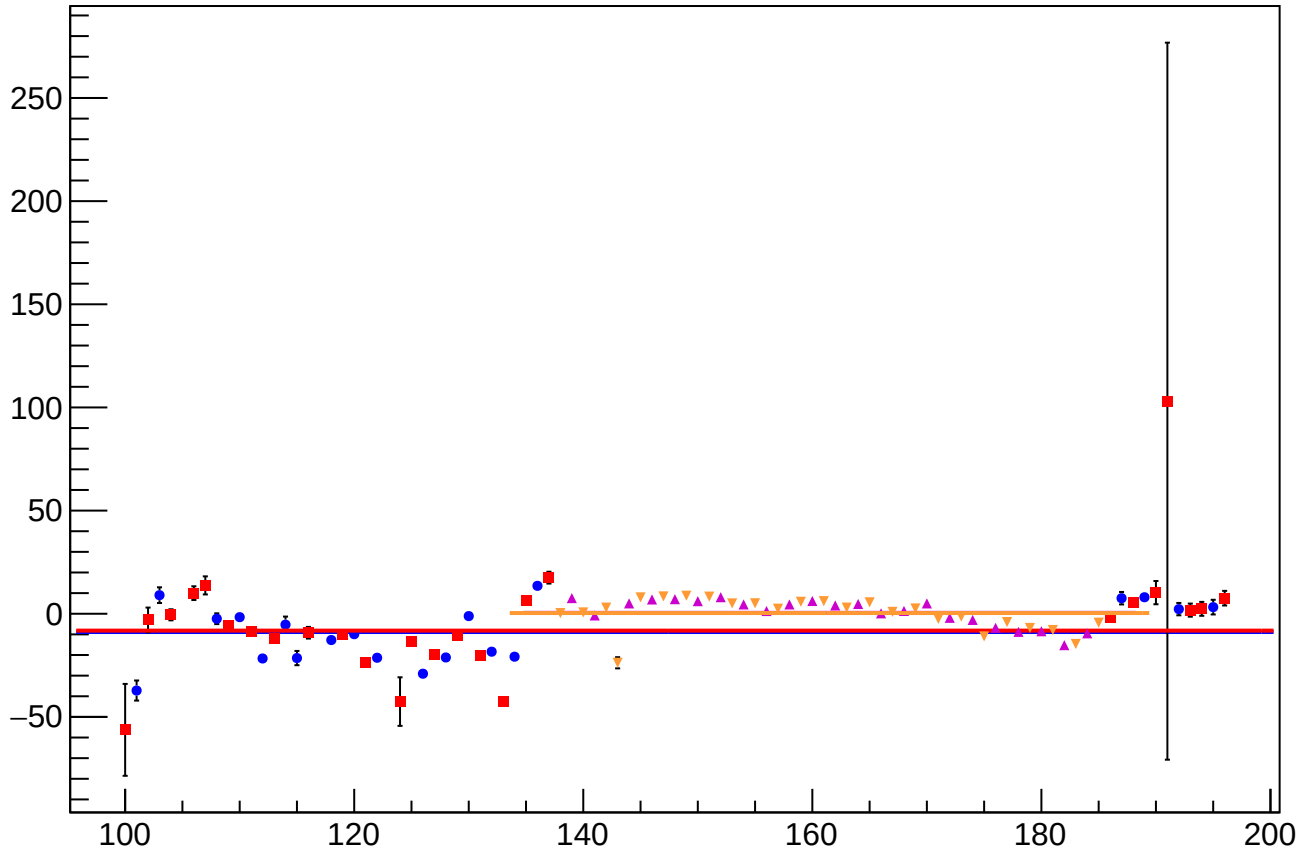
Right Out: -62.233+/-0.318 χ^2/NDF: 5204.2/25

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.744+/-0.220 χ^2/NDF: 17258.2/44

All: -30.669+/-0.150 χ^2/NDF: 38489.2/93

- sign -33.205+/-0.205 χ^2/NDF: 20902.3/48



Right In: -8.855+/-0.477 χ^2/NDF: 786.8/19

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

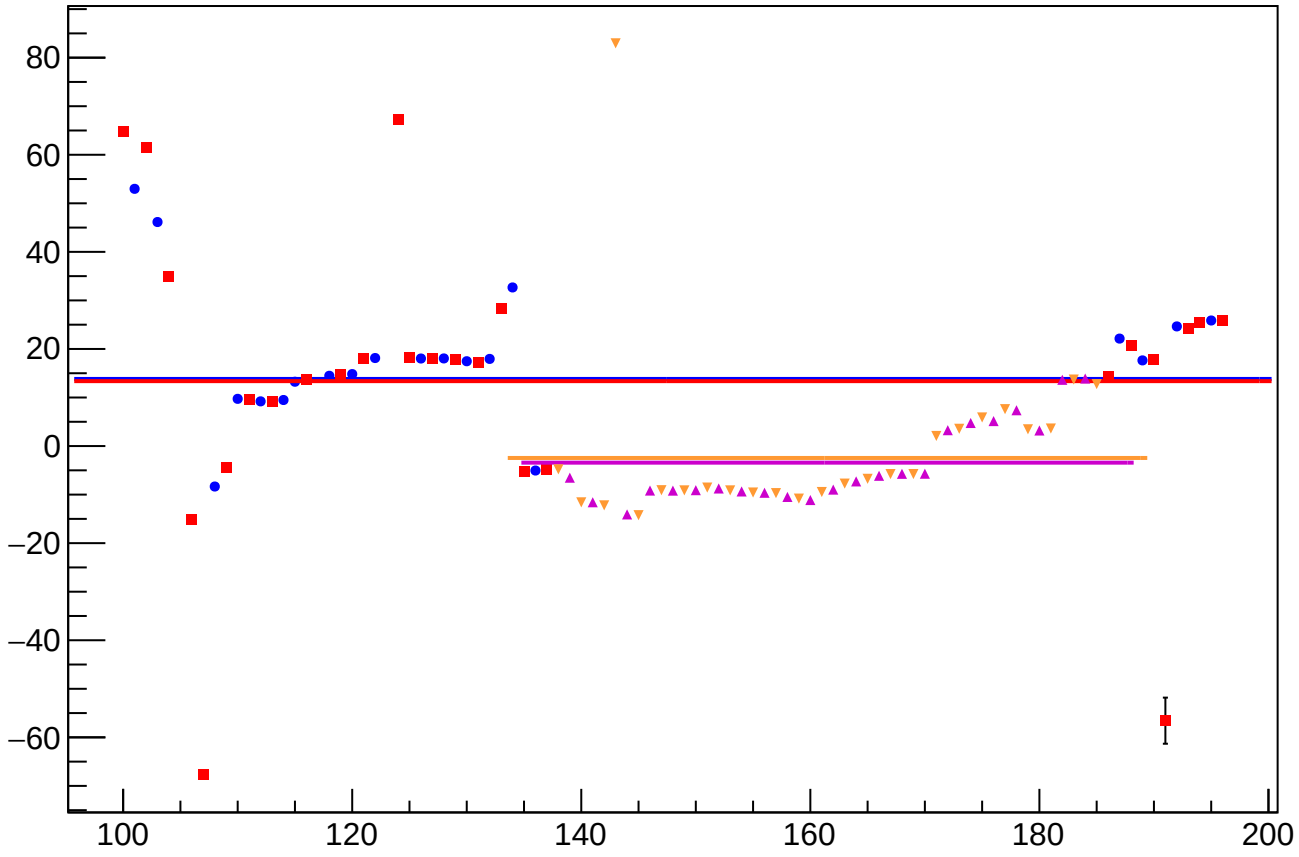
Right Out: -8.176+/-0.451 χ^2/NDF: 852.4/25

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.409+/-0.208 χ^2/NDF: 2010.2/44

All: -1.418+/-0.148 χ^2/NDF: 3930.8/93

- sign -1.428+/-0.210 χ^2/NDF: 1920.5/48



Right In: 13.824+/-0.026 χ^2/NDF: 385528.7/19

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

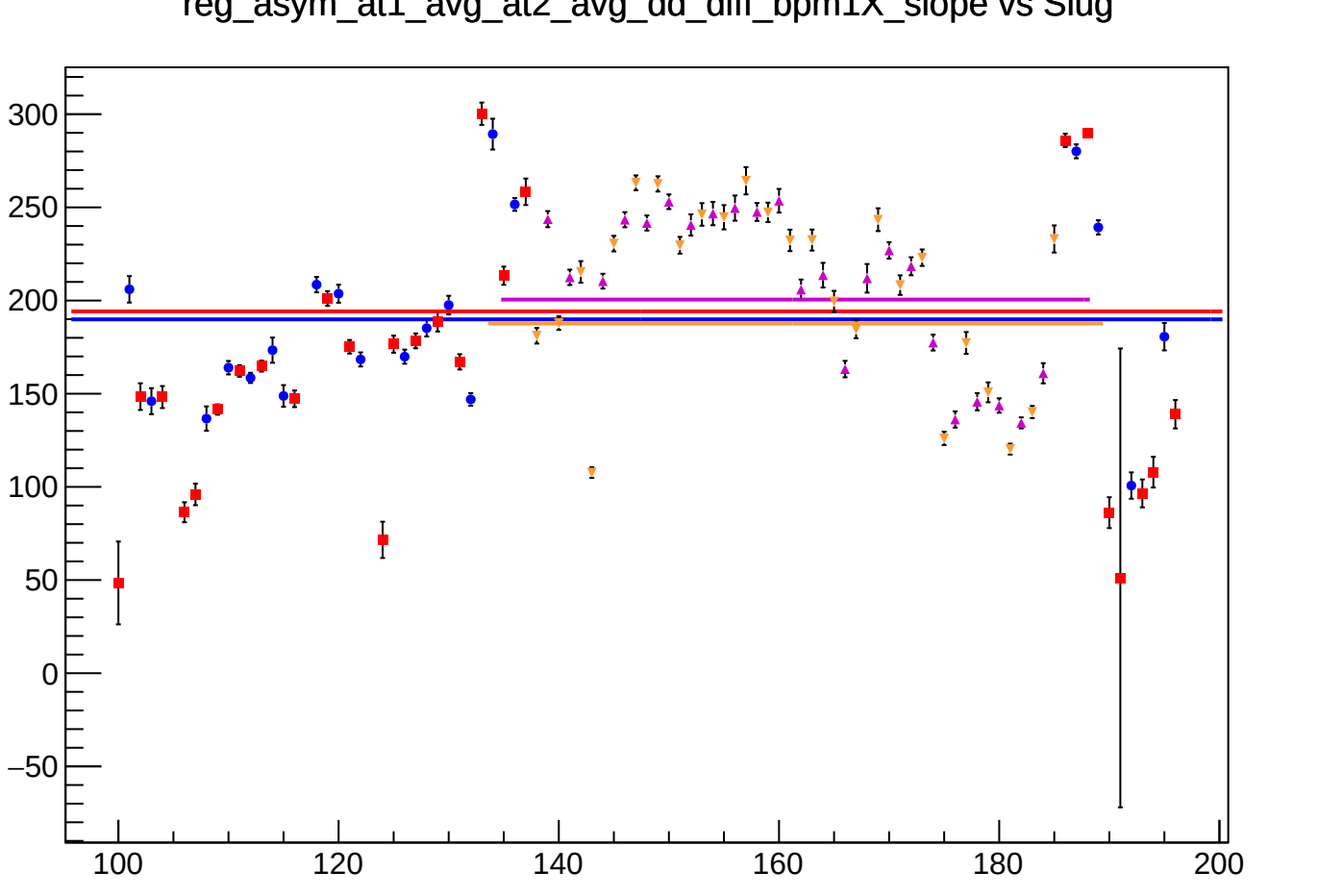
Right Out: 13.371+/-0.025 χ^2/NDF: 507236.9/25

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.283+/-0.010 χ^2/NDF: 1676827.8/44

All: -0.622+/-0.007 χ^2/NDF: 3111616.9/93

- sign -0.962+/-0.010 χ^2/NDF: 1432303.5/48



Right In: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

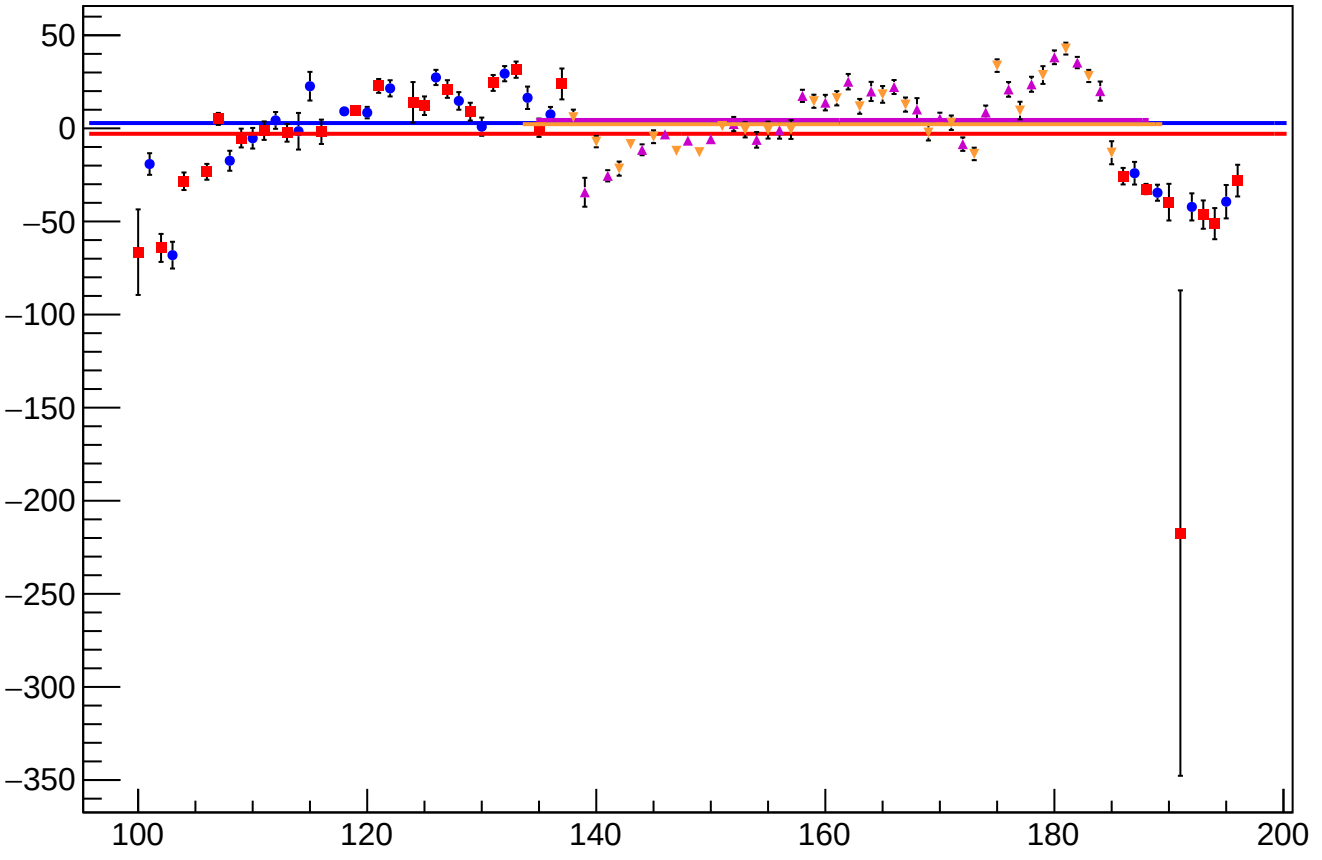
Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.020+/-0.461 χ^2/NDF: 13395.9/93

- sign 197.017+/-0.638 χ^2/NDF: 7813.6/48



Right In: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

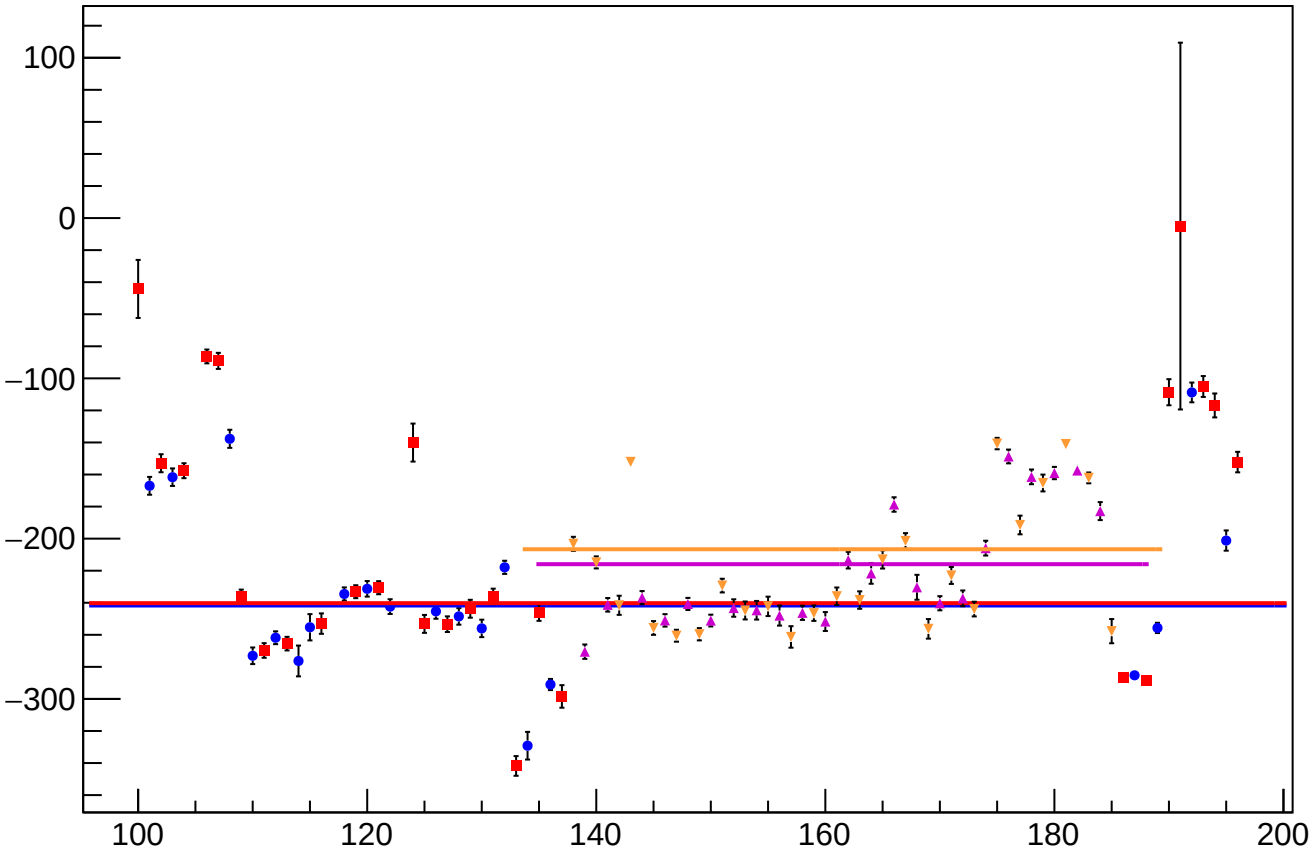
Right Out: -2.918+/-0.943 χ^2/NDF: 595.2/25

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.419+/-0.560 χ^2/NDF: 1010.1/44

All: 2.117+/-0.399 χ^2/NDF: 2192.6/93

\- sign 1.804+/-0.569 χ^2/NDF: 1181.8/48



Right In: -241.709+/-1.054 χ^2/NDF: 1891.3/19

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

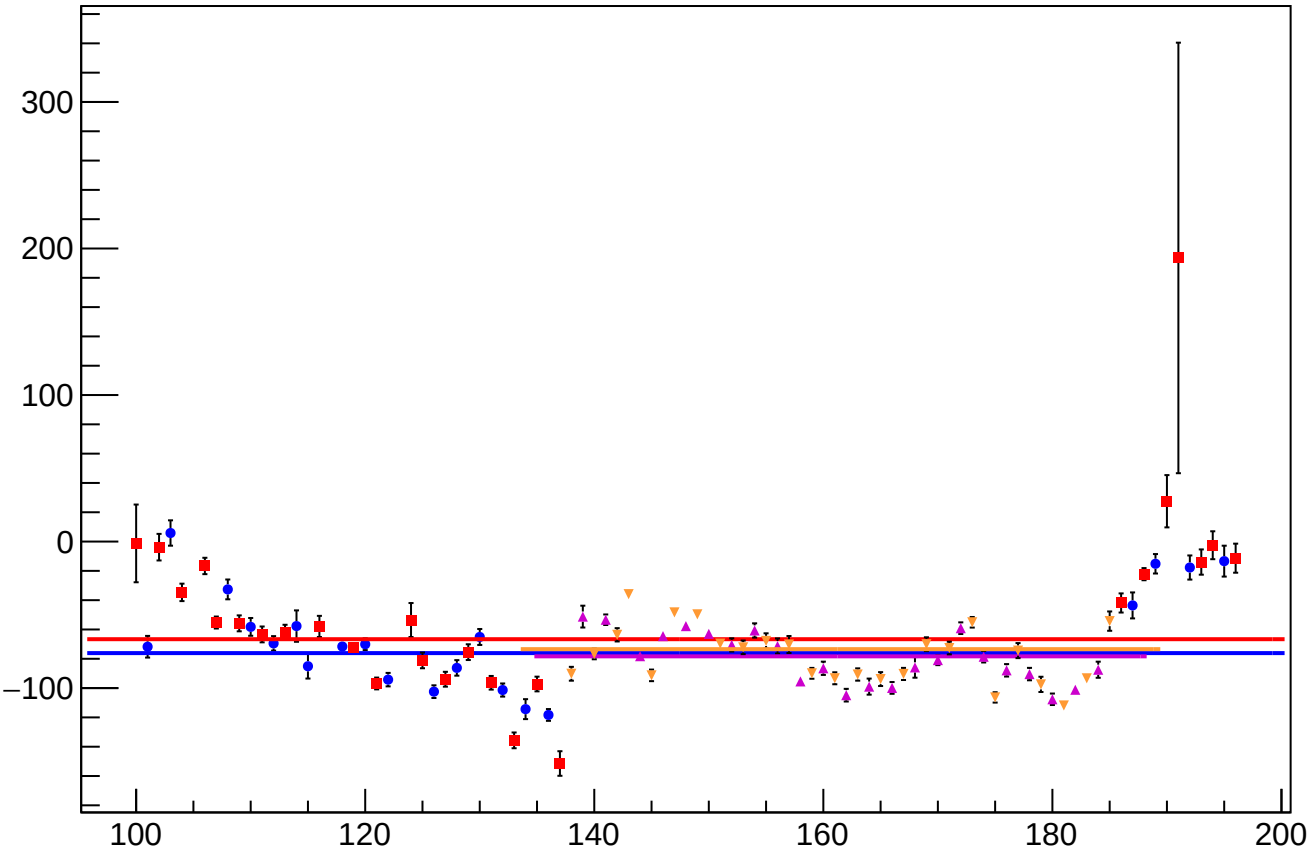
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.461+/-0.467 χ^2/NDF: 12868.6/93

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

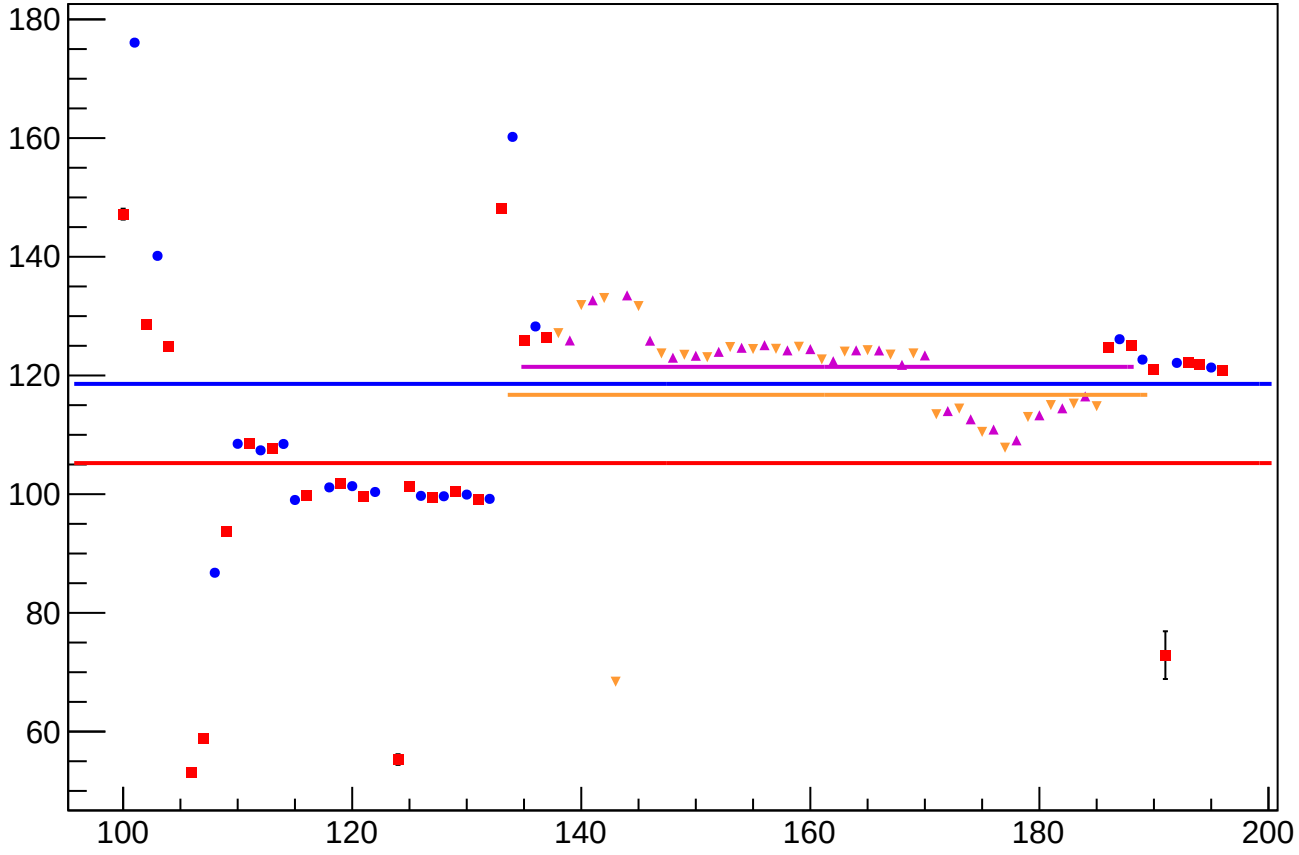
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.250+/-0.464 χ^2/NDF: 2815.6/93

- 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: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

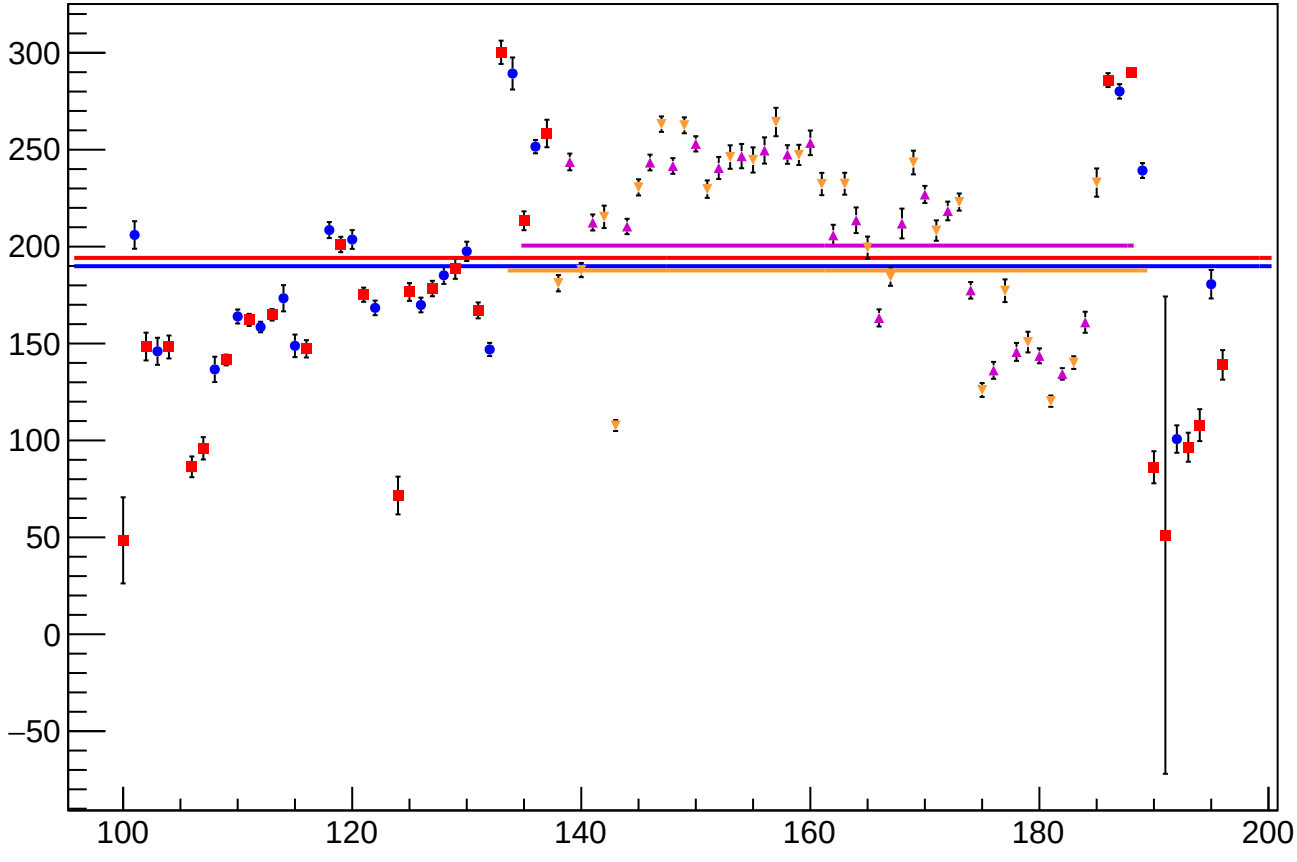
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.093+/-0.023 χ^2/NDF: 573472.5/93

- 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: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

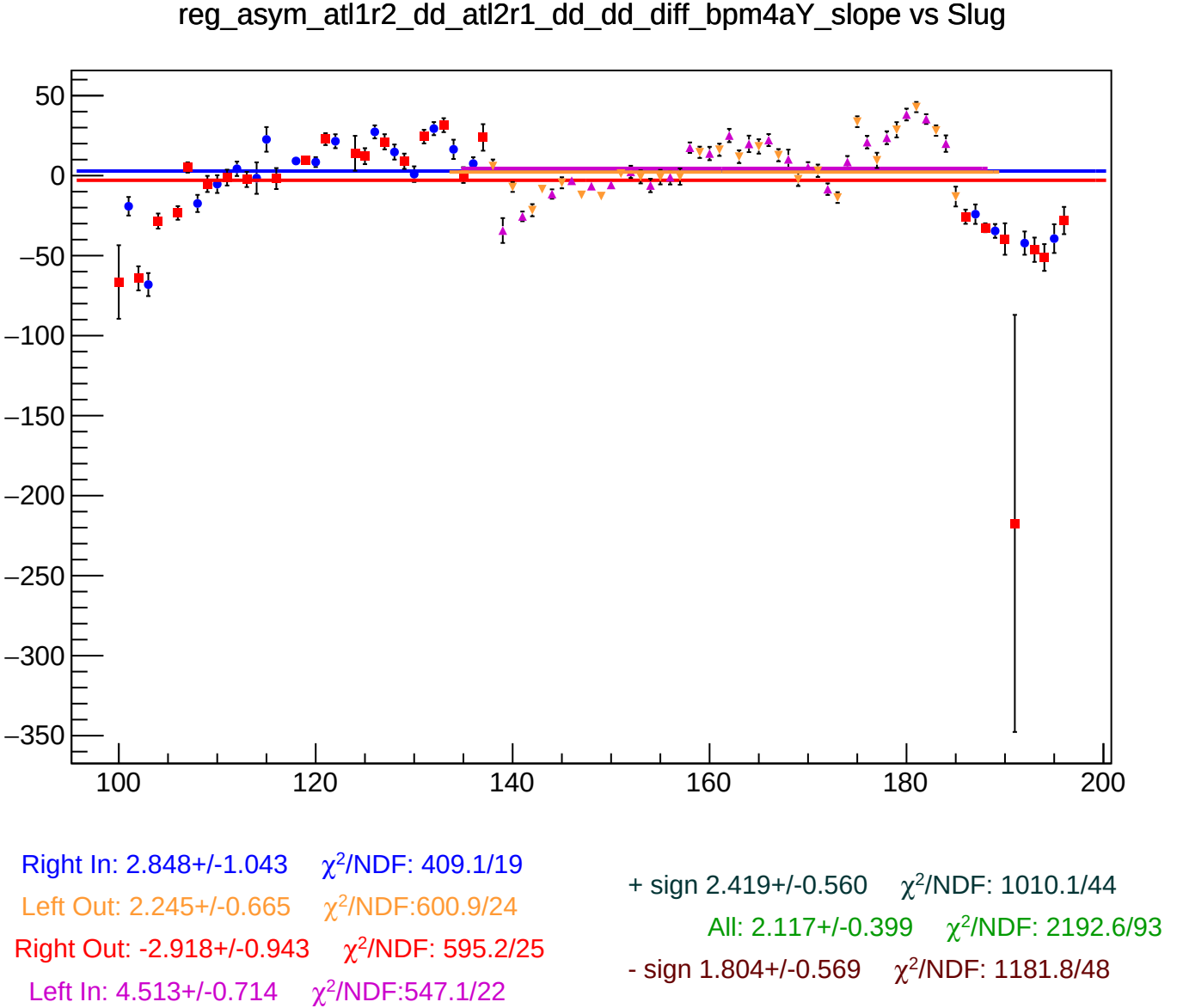
Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

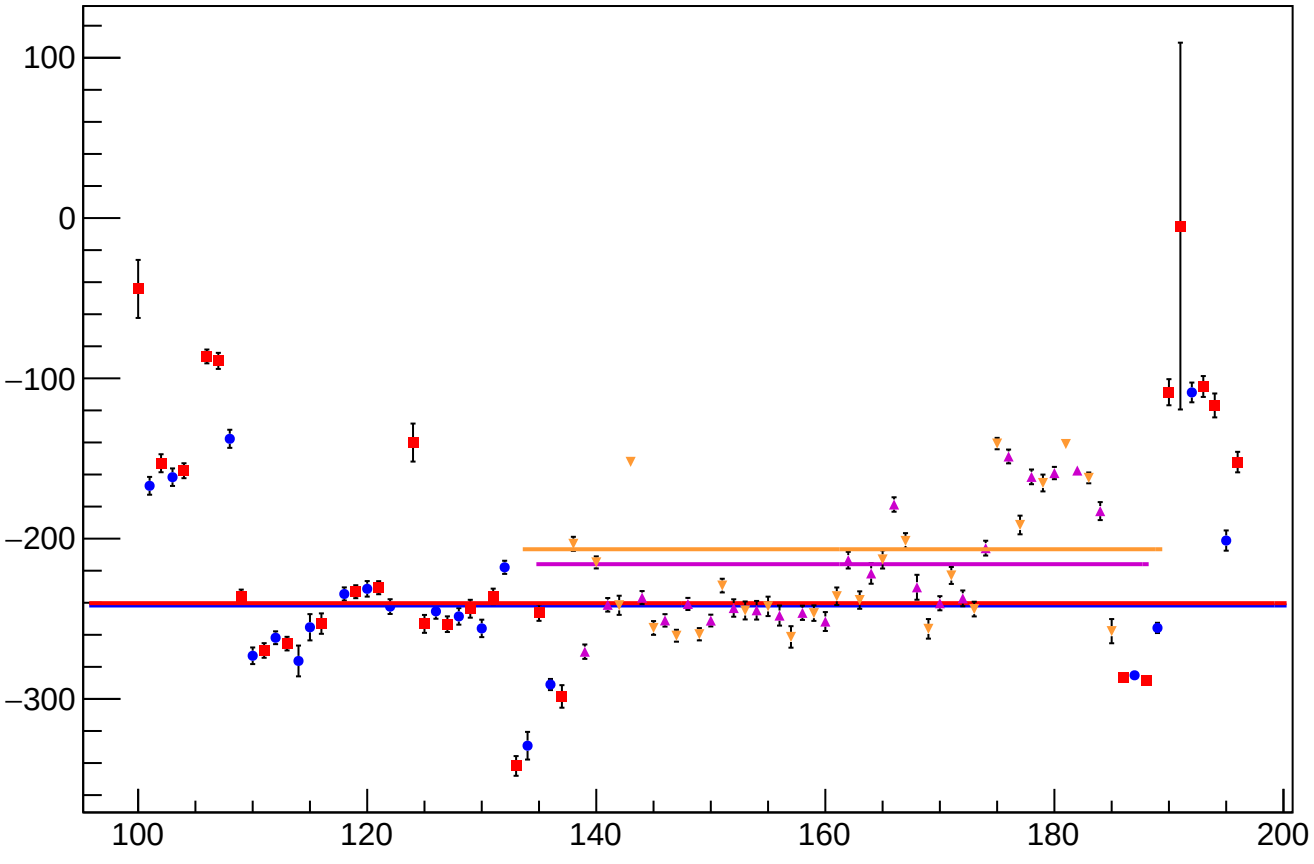
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.020+/-0.461 χ^2/NDF: 13395.9/93

- sign 197.017+/-0.638 χ^2/NDF: 7813.6/48


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
50
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: 2.848+/-1.043 χ²/NDF: 409.1/19
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -2.918+/-0.943 χ²/NDF: 595.2/25
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 2.419+/-0.560 χ²/NDF: 1010.1/44
All: 2.117+/-0.399 χ²/NDF: 2192.6/93
- sign 1.804+/-0.569 χ²/NDF: 1181.8/48



Right In: -241.709+/-1.054 χ^2/NDF: 1891.3/19

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

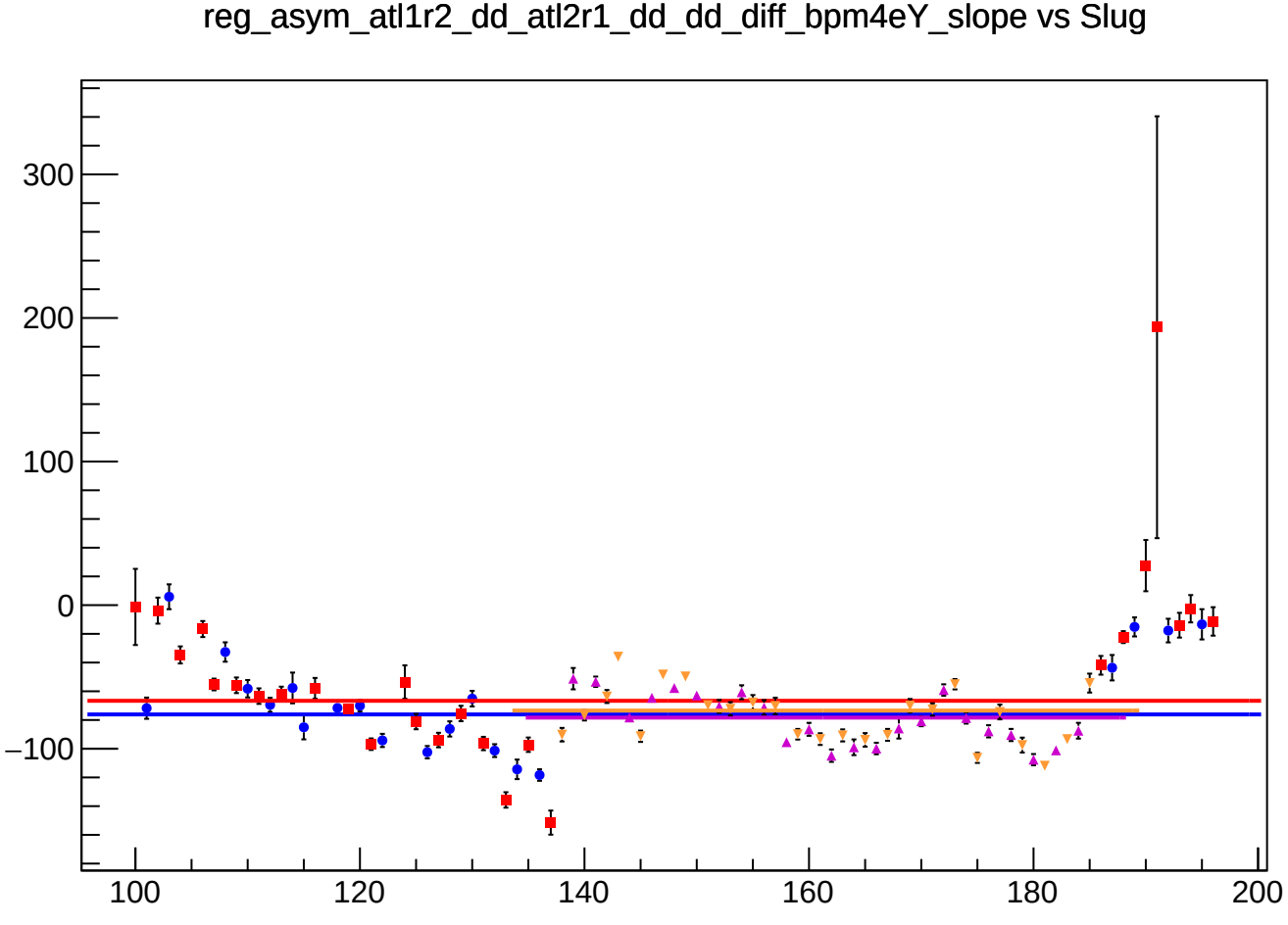
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.461+/-0.467 χ^2/NDF: 12868.6/93

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

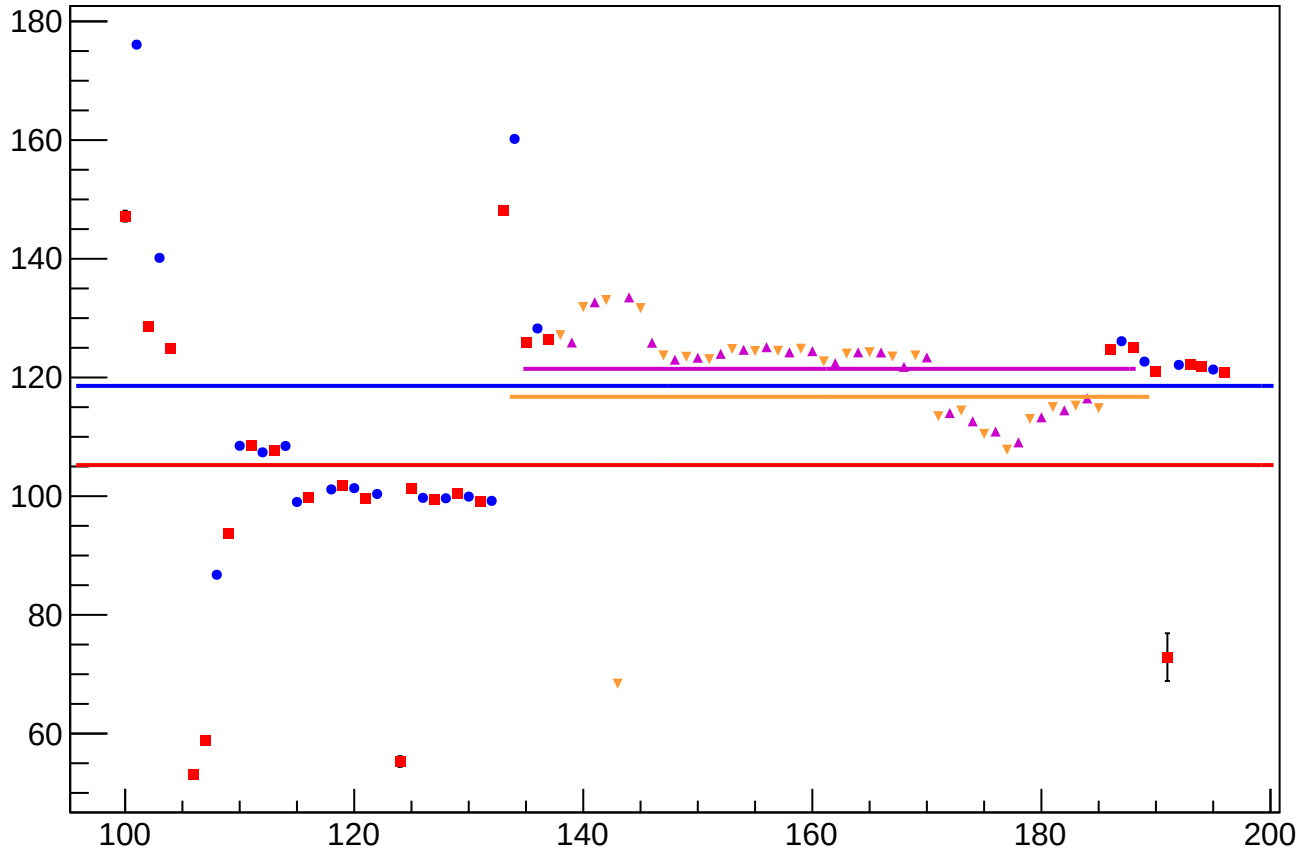
Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.250+/-0.464 χ^2/NDF: 2815.6/93

- sign -74.320+/-0.663 χ^2/NDF: 1408.2/48



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

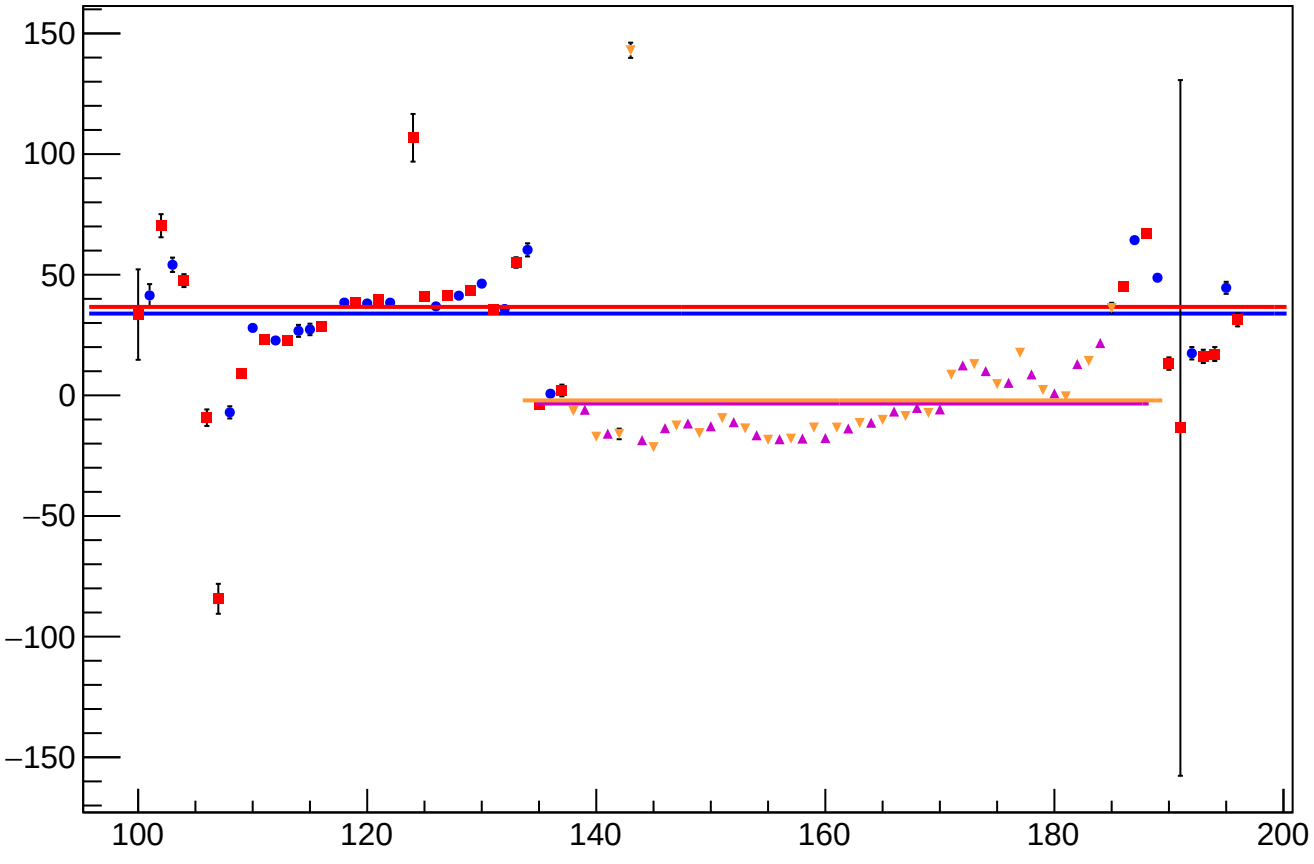
Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.093+/-0.023 χ^2/NDF: 573472.5/93

- sign 117.067+/-0.032 χ^2/NDF: 273087.2/48



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

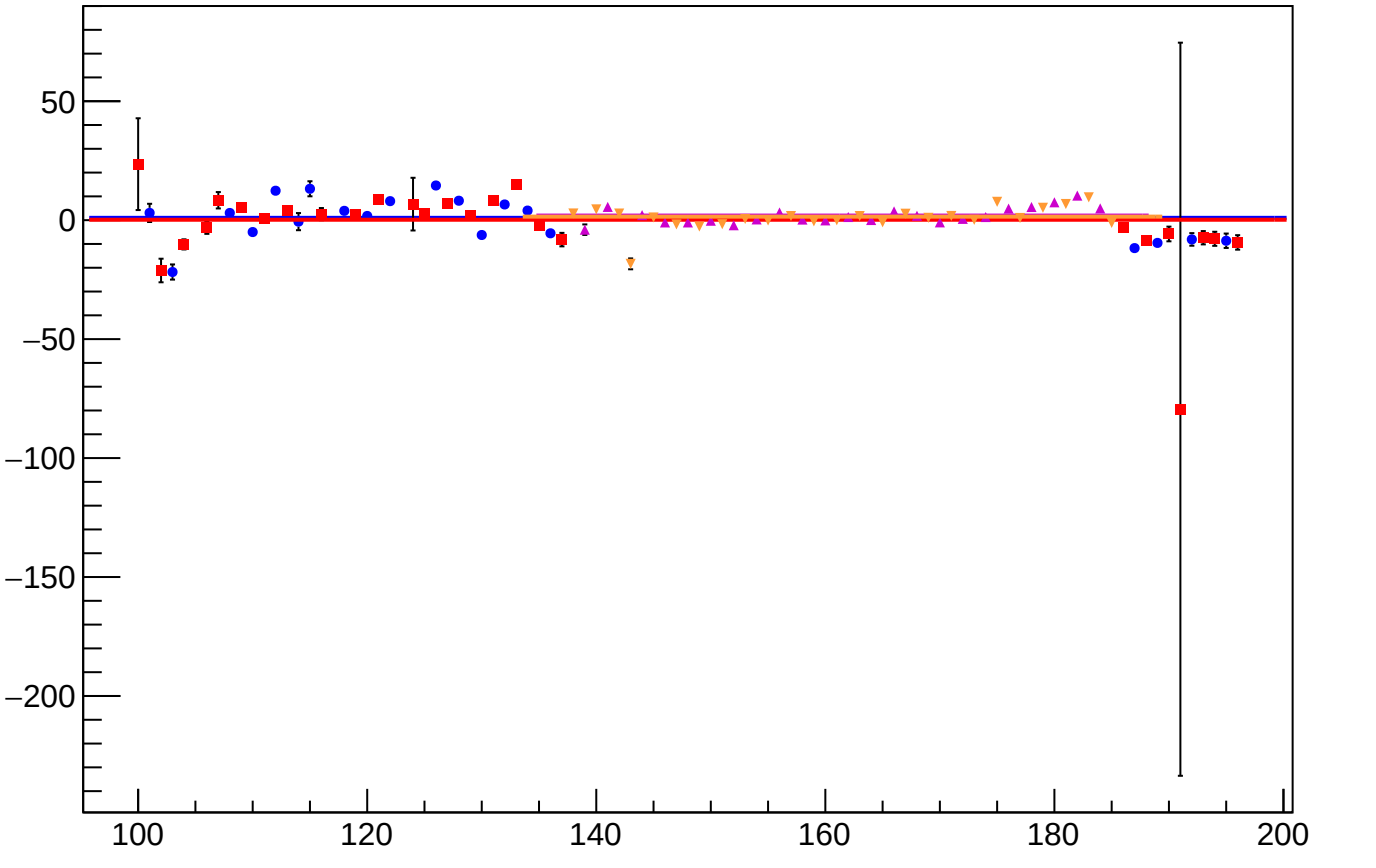
Right Out: 36.658+/-0.322 χ^2/NDF: 4488.3/25

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.902+/-0.218 χ^2/NDF: 12477.0/44

All: 11.658+/-0.150 χ^2/NDF: 27897.1/93

- sign 13.250+/-0.207 χ^2/NDF: 15296.2/48



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.178+/-0.372 χ^2/NDF: 344.8/25

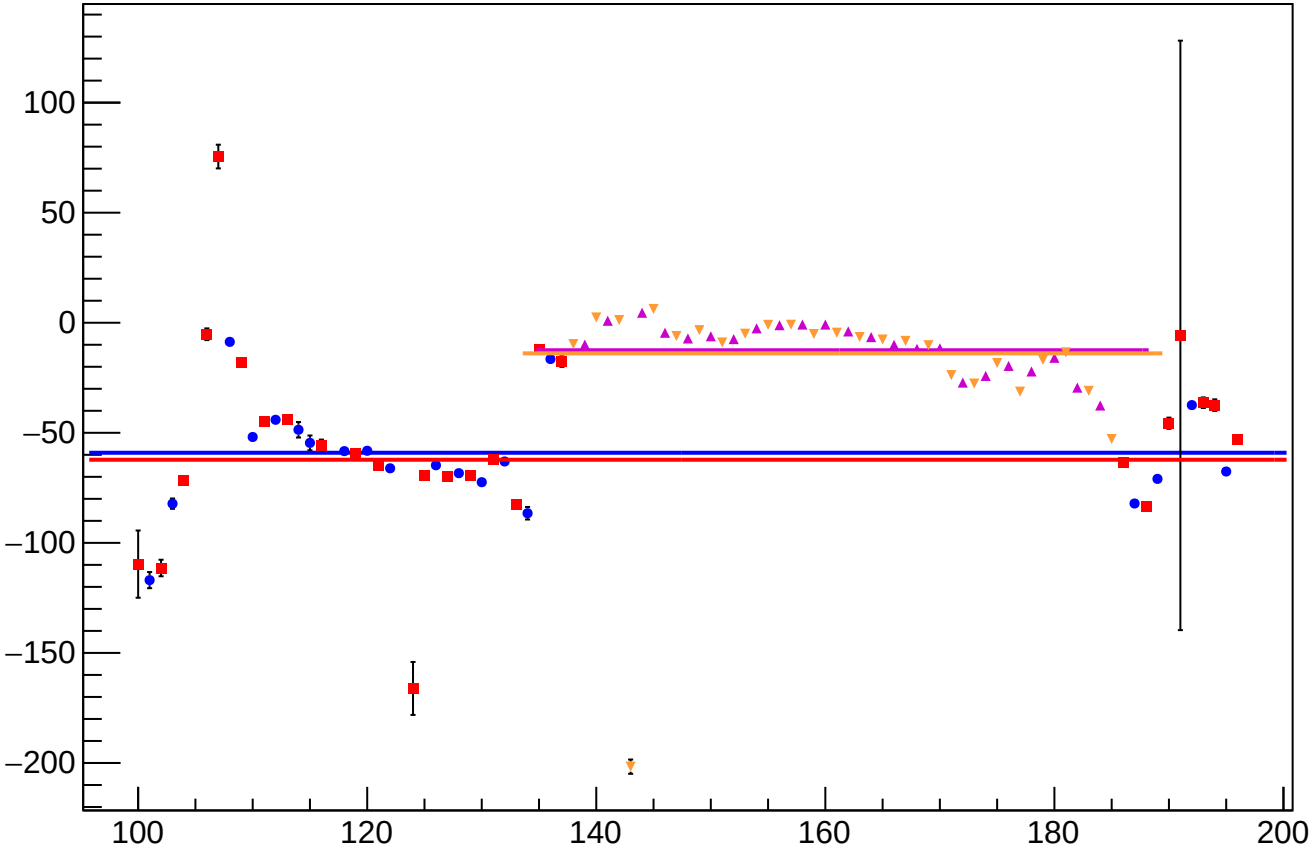
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.386+/-0.183 χ^2/NDF: 706.3/44

All: 1.447+/-0.129 χ^2/NDF: 1308.9/93

- 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: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

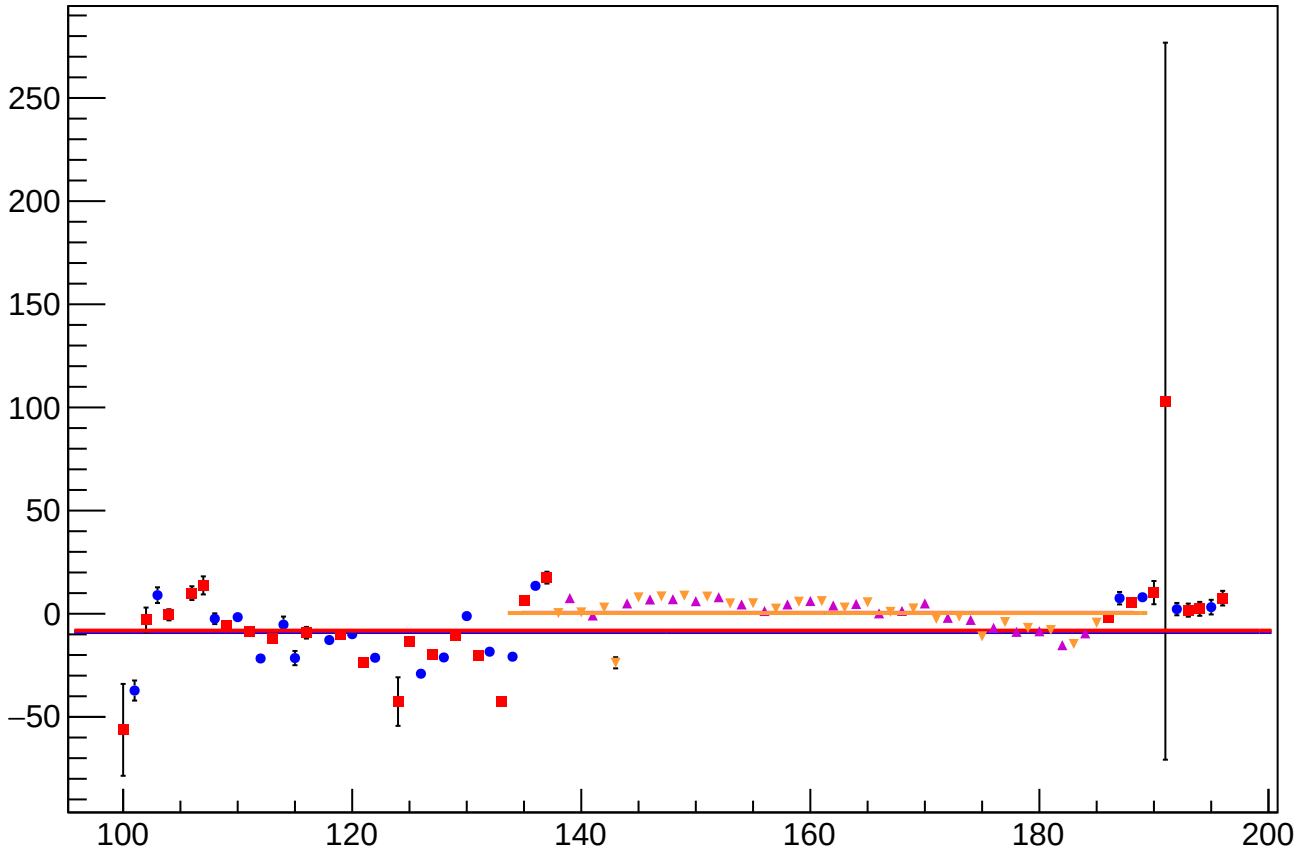
Right Out: -62.233+/-0.318 χ^2/NDF: 5204.2/25

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.744+/-0.220 χ^2/NDF: 17258.2/44

All: -30.669+/-0.150 χ^2/NDF: 38489.2/93

- sign -33.205+/-0.205 χ^2/NDF: 20902.3/48



Right In: -8.855+/-0.477 χ^2/NDF: 786.8/19

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

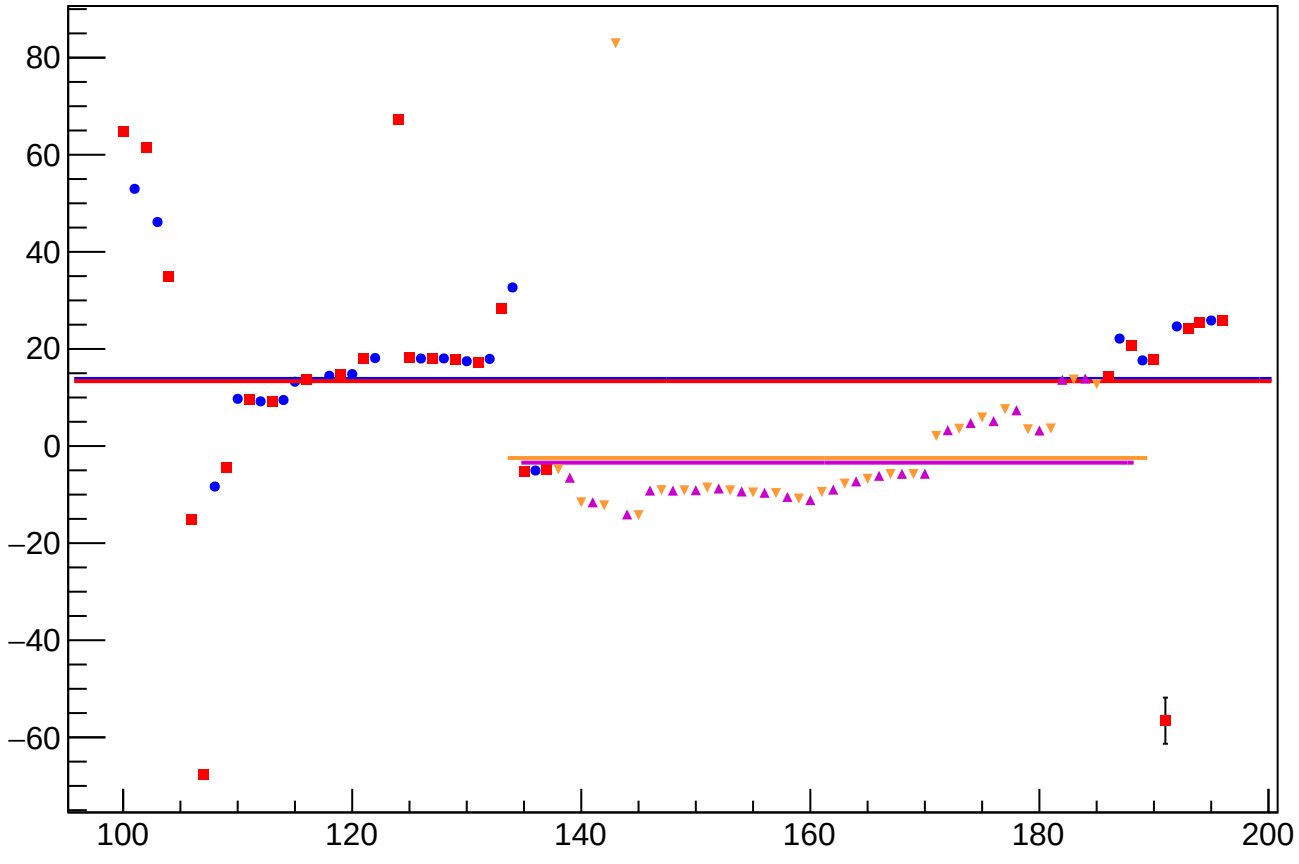
Right Out: -8.176+/-0.451 χ^2/NDF: 852.4/25

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.409+/-0.208 χ^2/NDF: 2010.2/44

All: -1.418+/-0.148 χ^2/NDF: 3930.8/93

- sign -1.428+/-0.210 χ^2/NDF: 1920.5/48



Right In: 13.824+/-0.026 χ^2/NDF: 385528.7/19

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

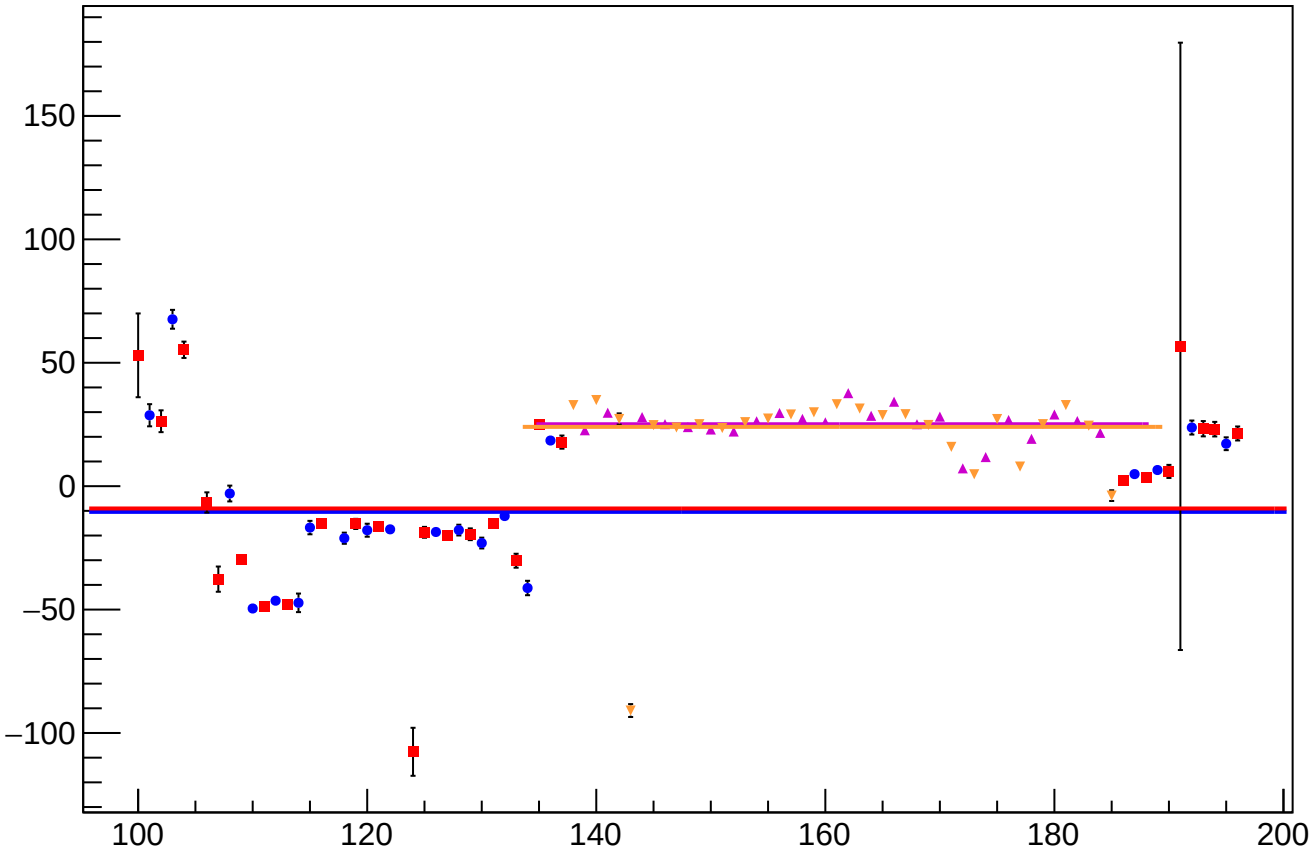
Right Out: 13.371+/-0.025 χ^2/NDF: 507236.9/25

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.283+/-0.010 χ^2/NDF: 1676827.8/44

All: -0.622+/-0.007 χ^2/NDF: 3111616.9/93

- sign -0.962+/-0.010 χ^2/NDF: 1432303.5/48



Right In: -10.411+/-0.484 χ^2/NDF: 2613.9/19

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.038+/-0.423 χ^2/NDF: 2999.5/25

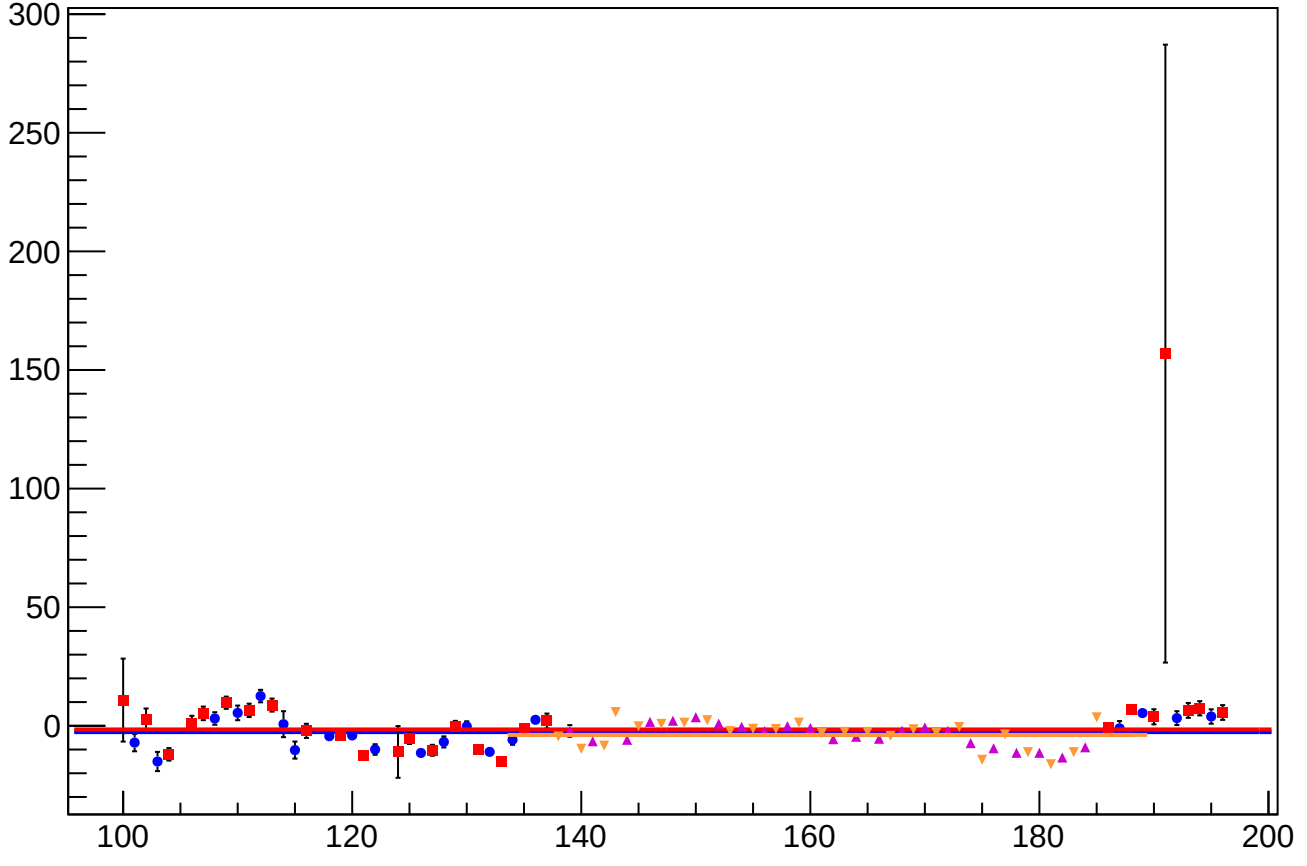
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.294+/-0.244 χ^2/NDF: 9196.3/44

All: 14.802+/-0.170 χ^2/NDF: 17148.4/93

- 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: -2.655+/-0.511 χ^2/NDF: 150.8/19

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

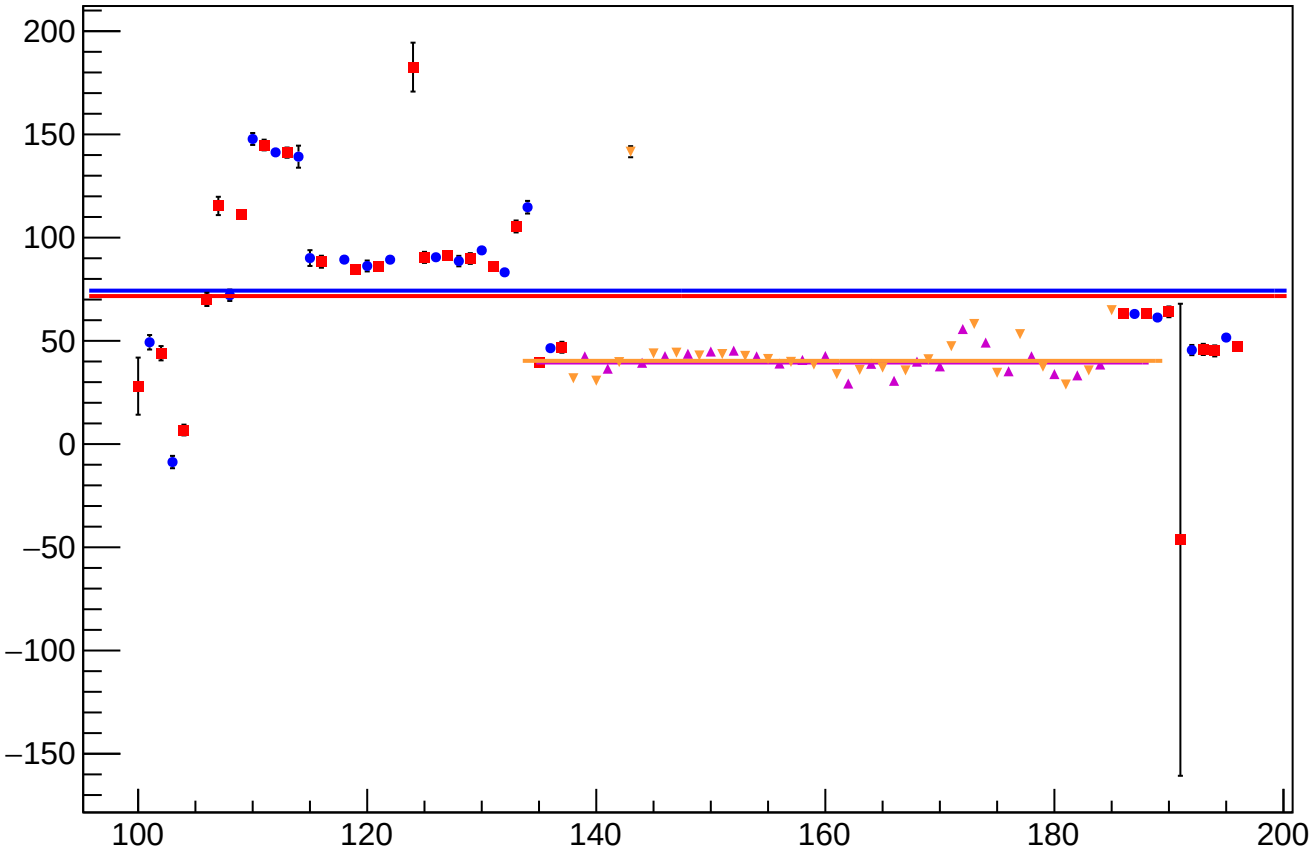
Right Out: -1.526+/-0.475 χ^2/NDF: 234.6/25

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.662+/-0.200 χ^2/NDF: 804.8/44

All: -3.518+/-0.142 χ^2/NDF: 1568.7/93

- sign -3.372+/-0.202 χ^2/NDF: 762.8/48



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

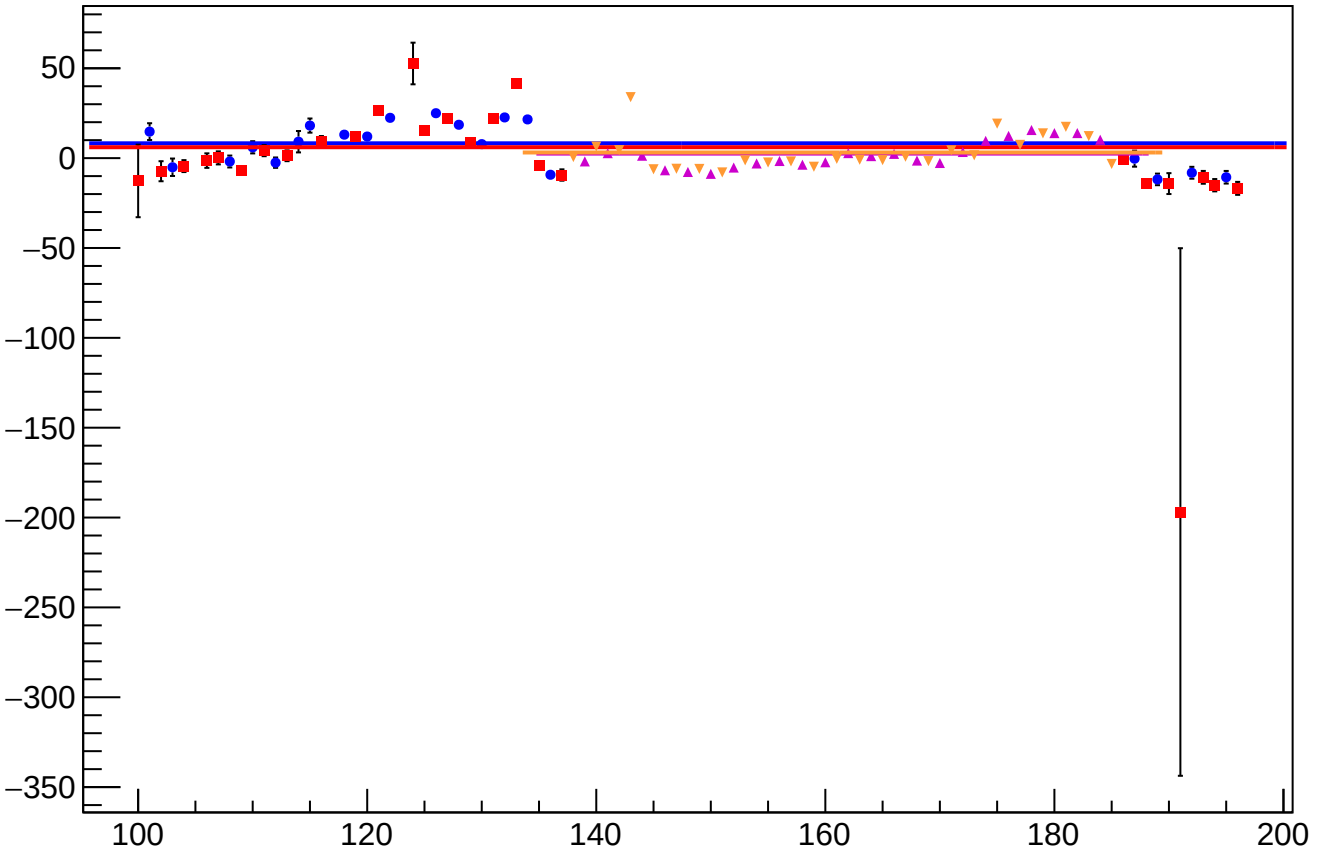
Right Out: 71.694+/-0.423 χ^2/NDF: 4080.5/25

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.223+/-0.245 χ^2/NDF: 9320.2/44

All: 48.909+/-0.170 χ^2/NDF: 17834.4/93

- sign 49.544+/-0.236 χ^2/NDF: 8499.2/48



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

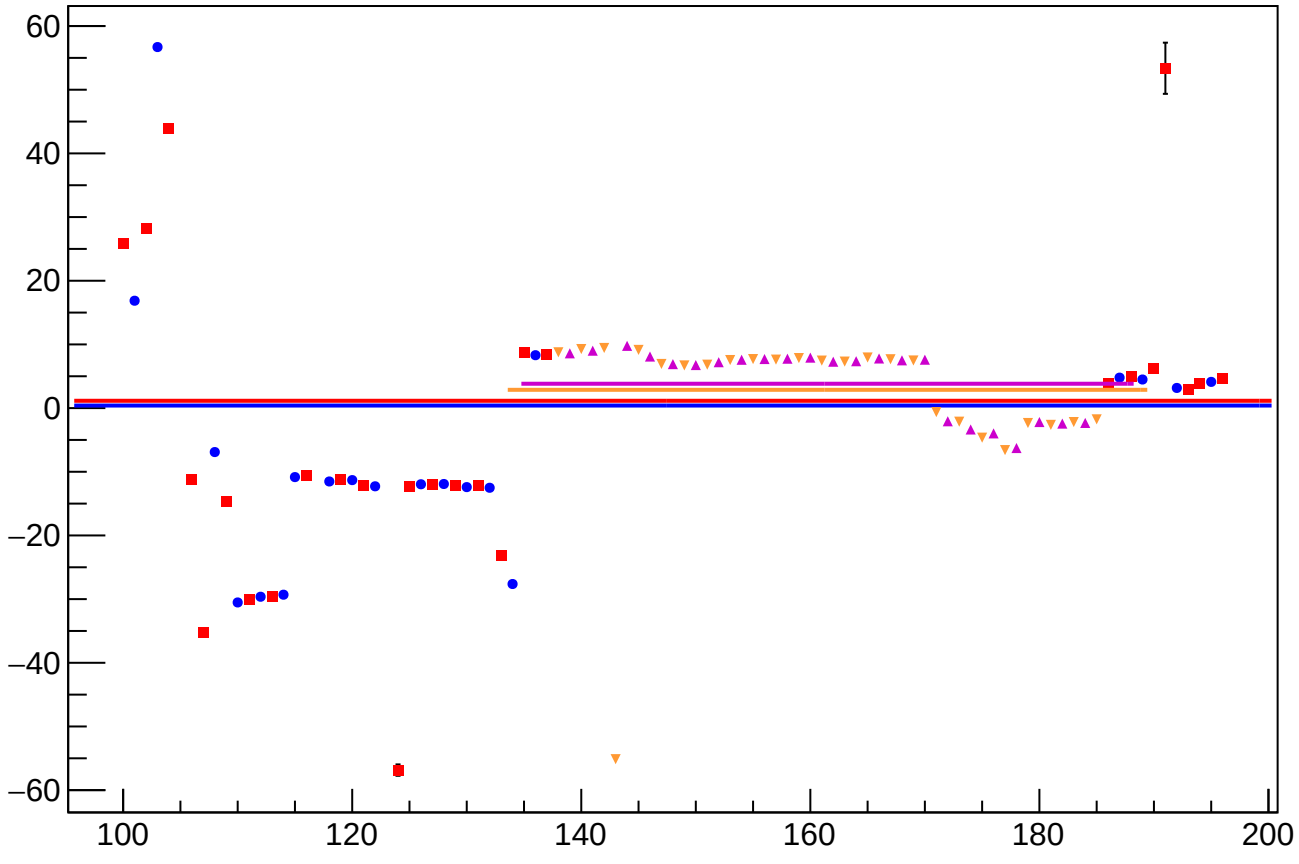
Right Out: 6.069+/-0.567 χ^2/NDF: 724.4/25

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.894+/-0.227 χ^2/NDF: 1798.0/44

All: 3.502+/-0.161 χ^2/NDF: 3529.3/93

- sign 3.100+/-0.230 χ^2/NDF: 1725.3/48



Right In: 0.401+/-0.031 χ^2/NDF: 372213.9/19

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.150+/-0.030 χ^2/NDF: 323083.8/25

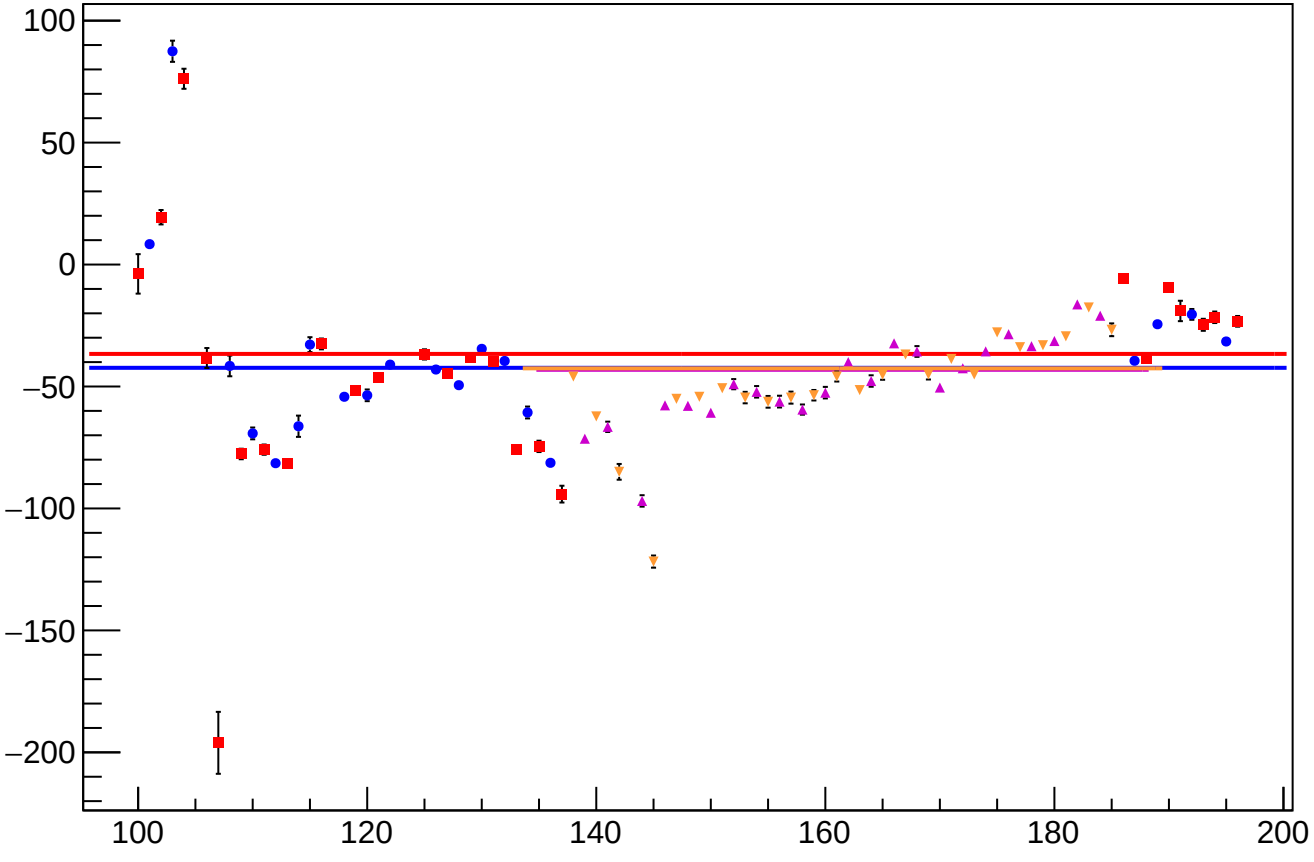
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.597+/-0.010 χ^2/NDF: 890135.8/44

All: 3.046+/-0.007 χ^2/NDF: 1457314.8/93

- sign 3.498+/-0.010 χ^2/NDF: 563409.9/48

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -42.339+/-0.448 χ^2/NDF: 3150.5/19

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.640+/-0.376 χ^2/NDF: 5085.3/24

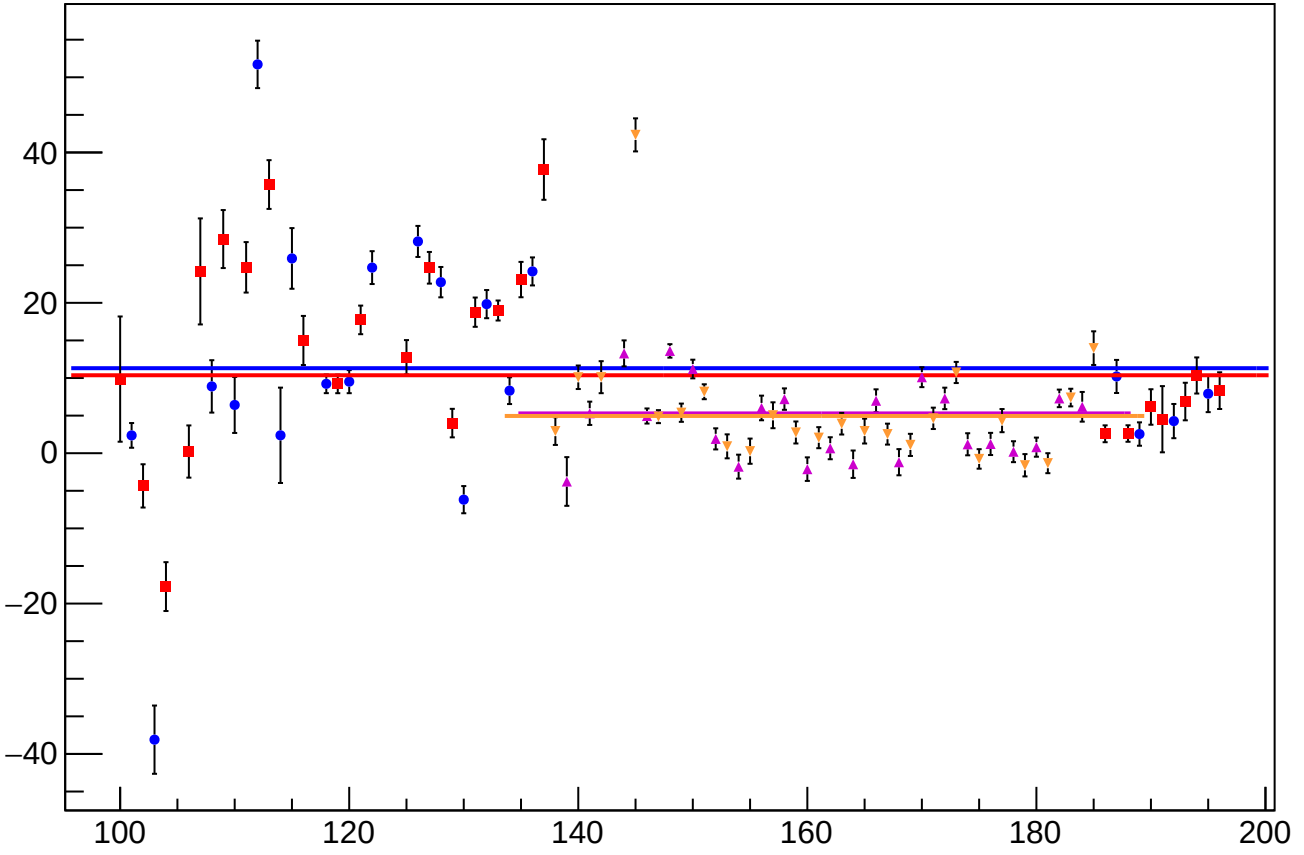
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -42.468+/-0.289 χ^2/NDF: 5477.0/43

All: -41.061+/-0.196 χ^2/NDF: 12960.7/91

\- sign -39.852+/-0.268 χ^2/NDF: 7439.6/47

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 11.307+/-0.461 χ^2/NDF: 677.9/19

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.368+/-0.418 χ^2/NDF: 532.9/24

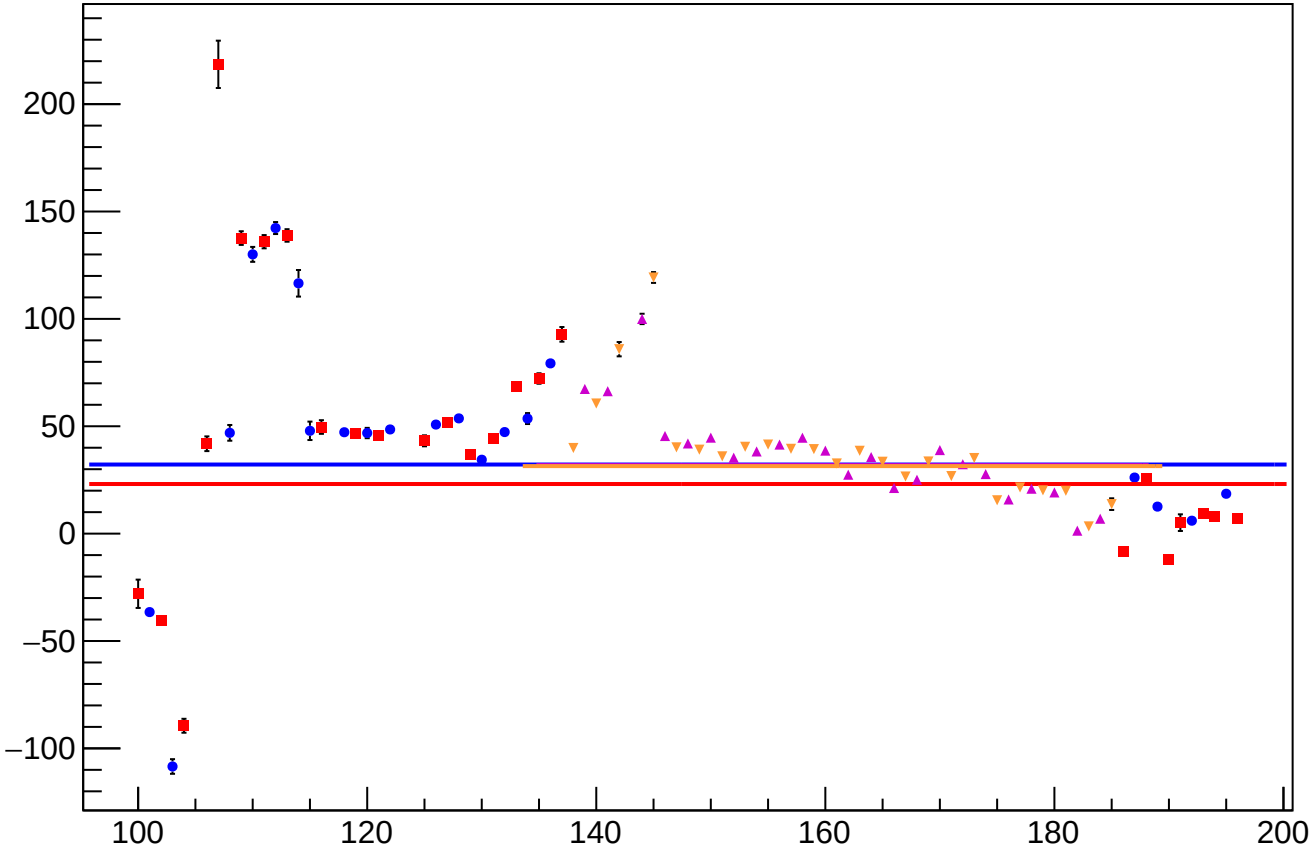
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.739+/-0.245 χ^2/NDF: 1263.2/43

All: 6.860+/-0.172 χ^2/NDF: 2181.7/91

- sign 6.976+/-0.241 χ^2/NDF: 918.0/47

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 32.178+/-0.446 χ^2/NDF: 8020.3/19

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.103+/-0.352 χ^2/NDF: 11098.0/24

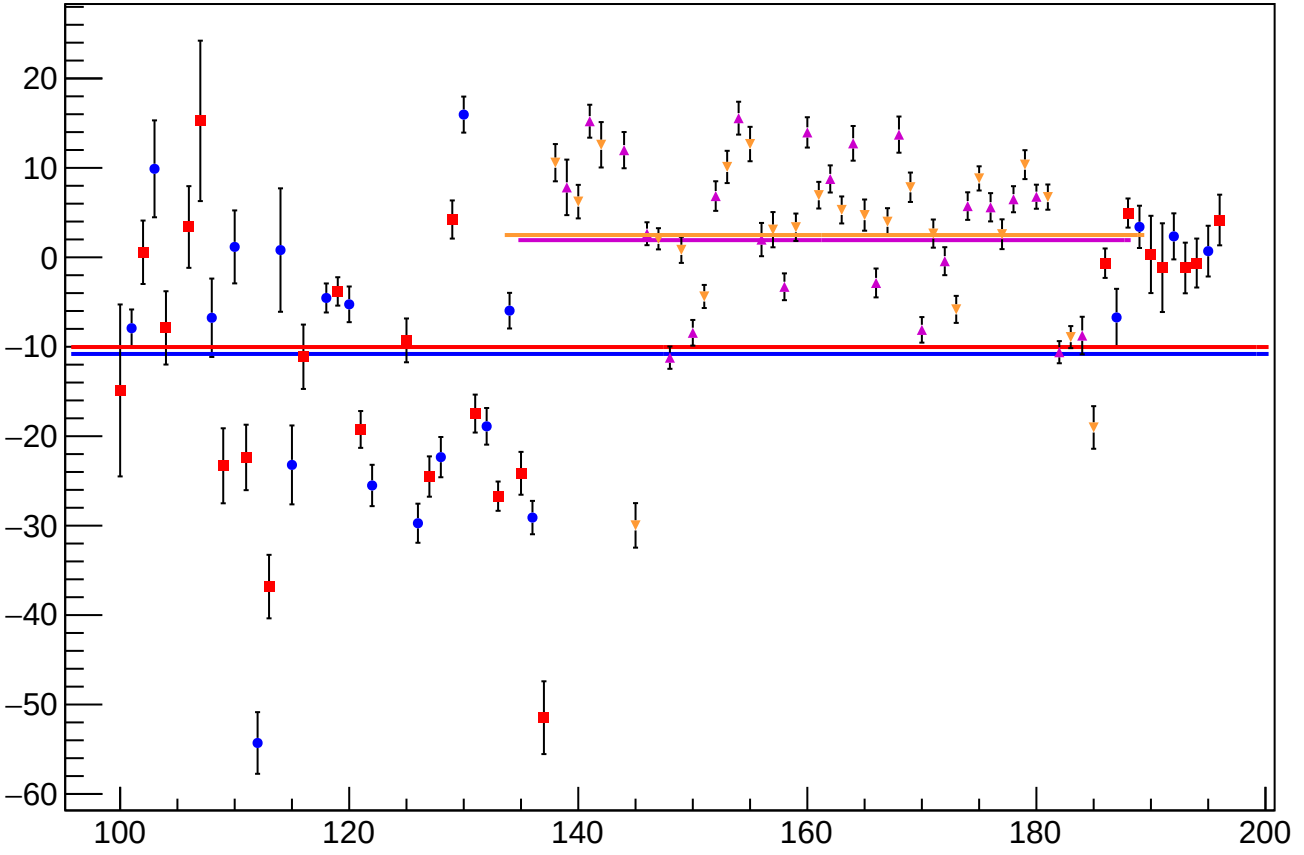
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 31.746+/-0.287 χ^2/NDF: 10783.9/43

All: 29.214+/-0.192 χ^2/NDF: 25079.2/91

- sign 27.180+/-0.257 χ^2/NDF: 14155.2/47

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -10.804+/-0.548 χ^2/NDF: 734.7/19

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

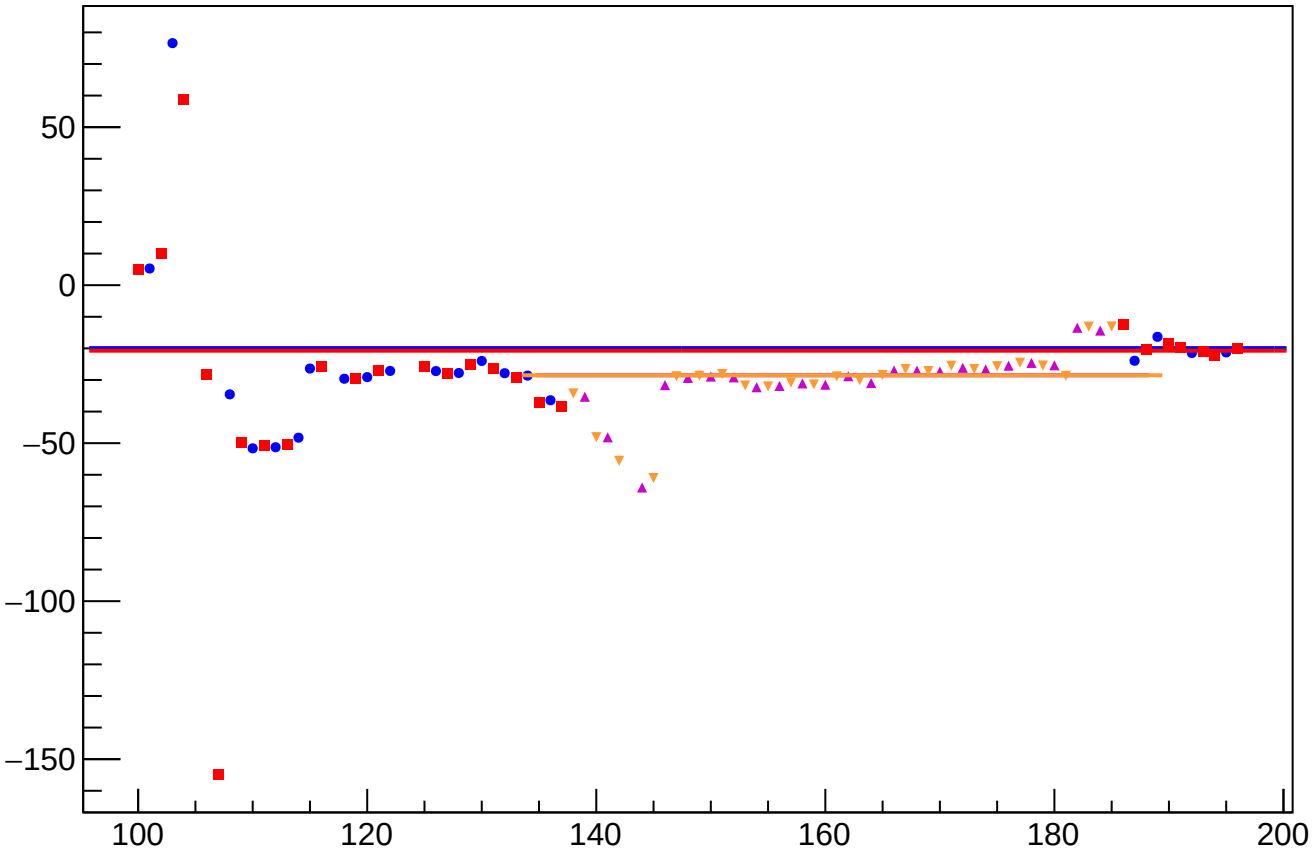
Right Out: -10.030+/-0.515 χ^2/NDF: 653.1/24

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.995+/-0.281 χ^2/NDF: 1728.1/43

All: -1.292+/-0.198 χ^2/NDF: 3442.5/91

- sign -1.586+/-0.279 χ^2/NDF: 1712.2/47



Right In: -19.919+/-0.029 χ^2/NDF: 649331.6/19

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.728+/-0.027 χ^2/NDF: 553166.5/24

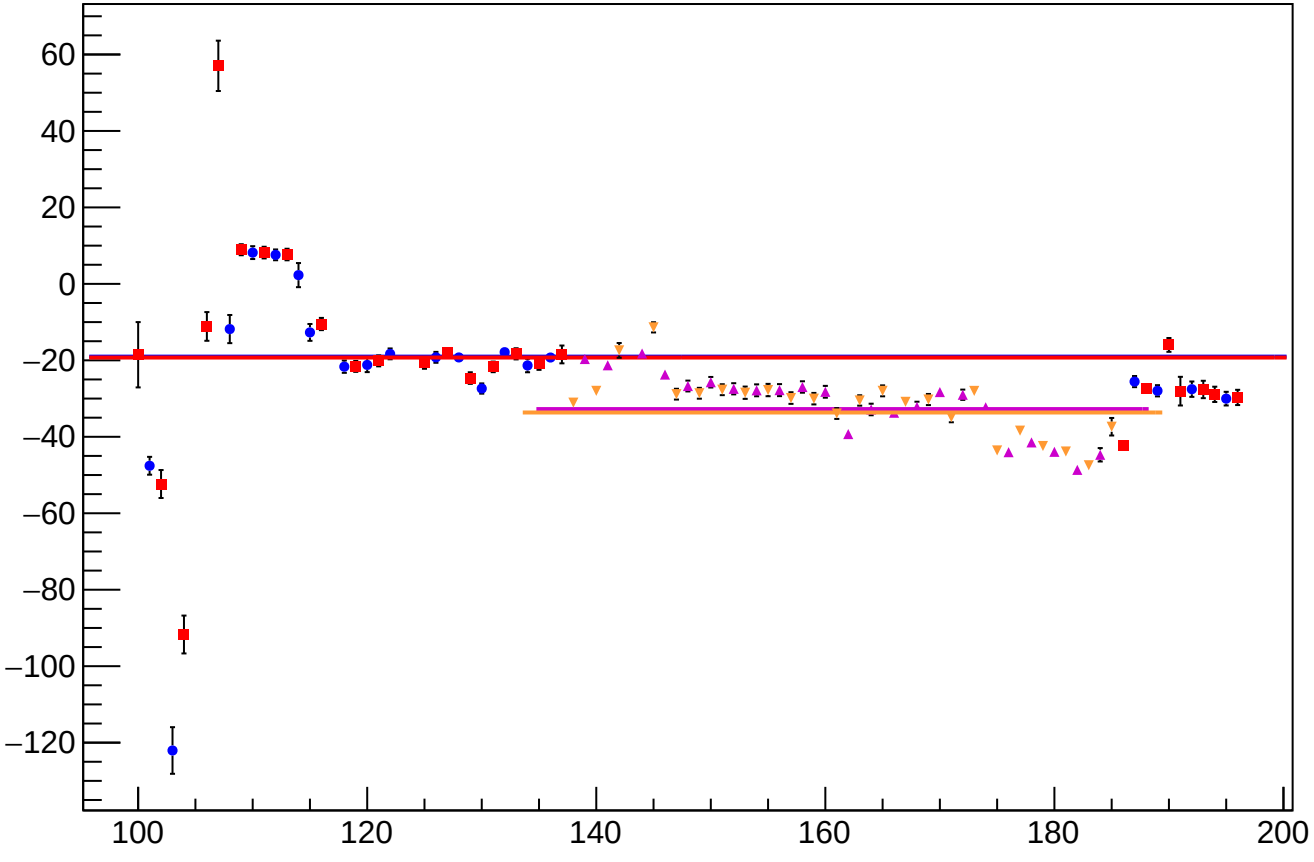
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -26.751+/-0.013 χ^2/NDF: 1052556.2/43

All: -26.708+/-0.009 χ^2/NDF: 1958295.0/91

\- sign -26.666+/-0.013 χ^2/NDF: 905717.2/47

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -19.030+/-0.362 χ^2/NDF: 1267.6/19

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.268+/-0.331 χ^2/NDF: 2008.5/24

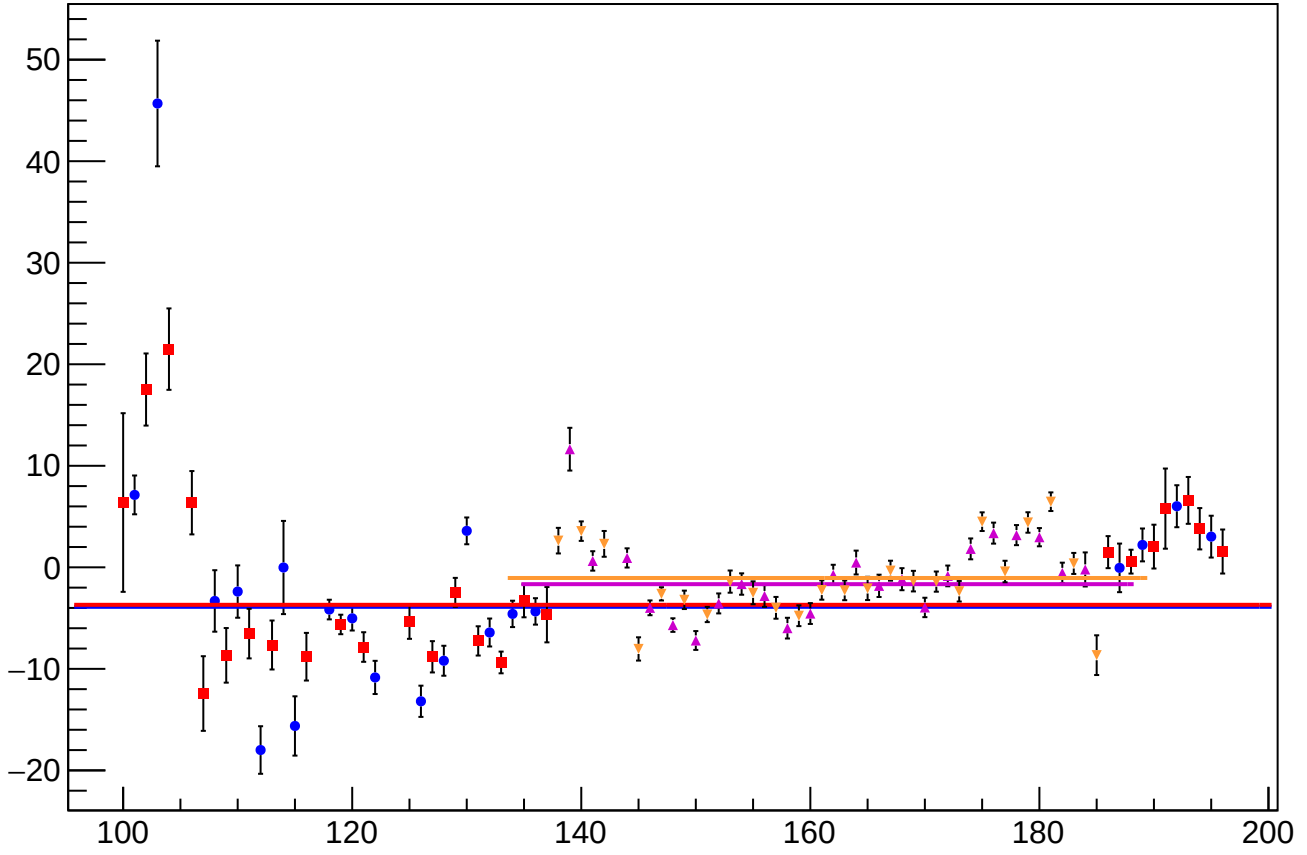
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.543+/-0.214 χ^2/NDF: 3343.5/43

All: -27.958+/-0.149 χ^2/NDF: 7510.0/91

\- sign -27.402+/-0.209 χ^2/NDF: 4151.9/47

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.888+/-0.372 χ^2/NDF: 306.4/19

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.692+/-0.360 χ^2/NDF: 240.1/24

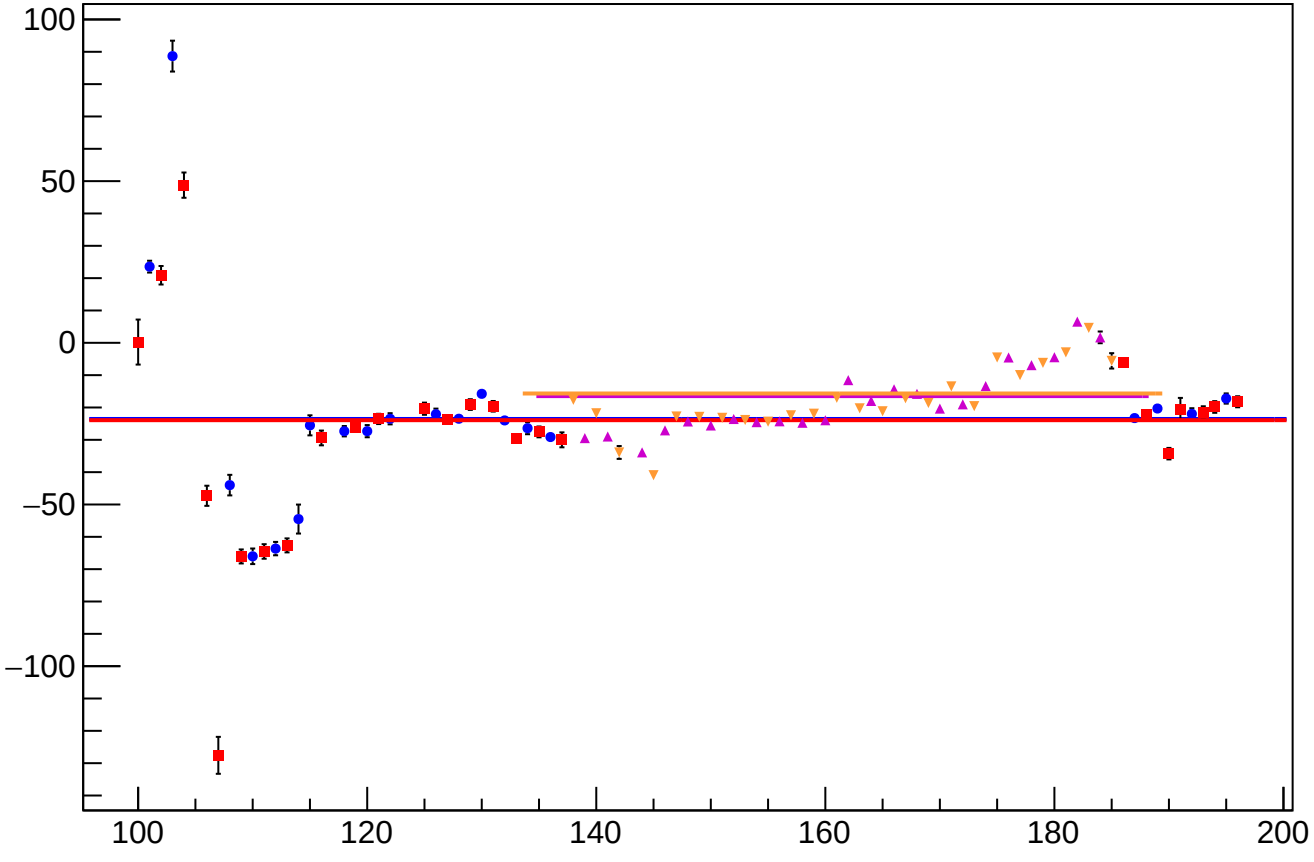
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.701+/-0.178 χ^2/NDF: 640.7/43

All: -1.931+/-0.126 χ^2/NDF: 1172.6/91

- sign -2.164+/-0.179 χ^2/NDF: 528.5/47

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -23.554+/-0.381 χ^2/NDF: 2080.9/19

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.922+/-0.335 χ^2/NDF: 2443.6/24

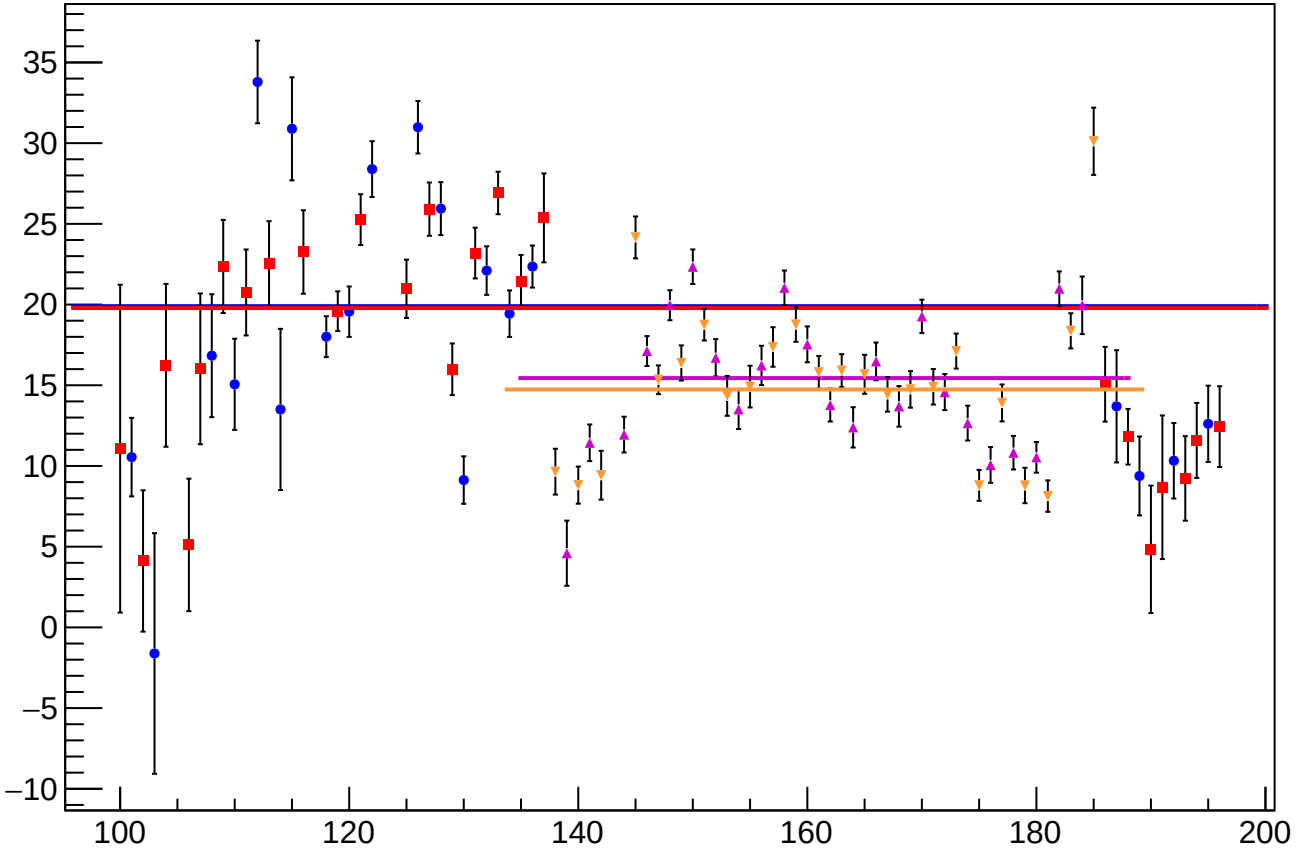
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.214+/-0.217 χ^2/NDF: 3891.0/43

All: -18.810+/-0.150 χ^2/NDF: 8350.0/91

- sign -19.360+/-0.208 χ^2/NDF: 4444.5/47

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.900+/-0.431 χ^2/NDF: 263.5/19

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.785+/-0.426 χ^2/NDF: 185.9/24

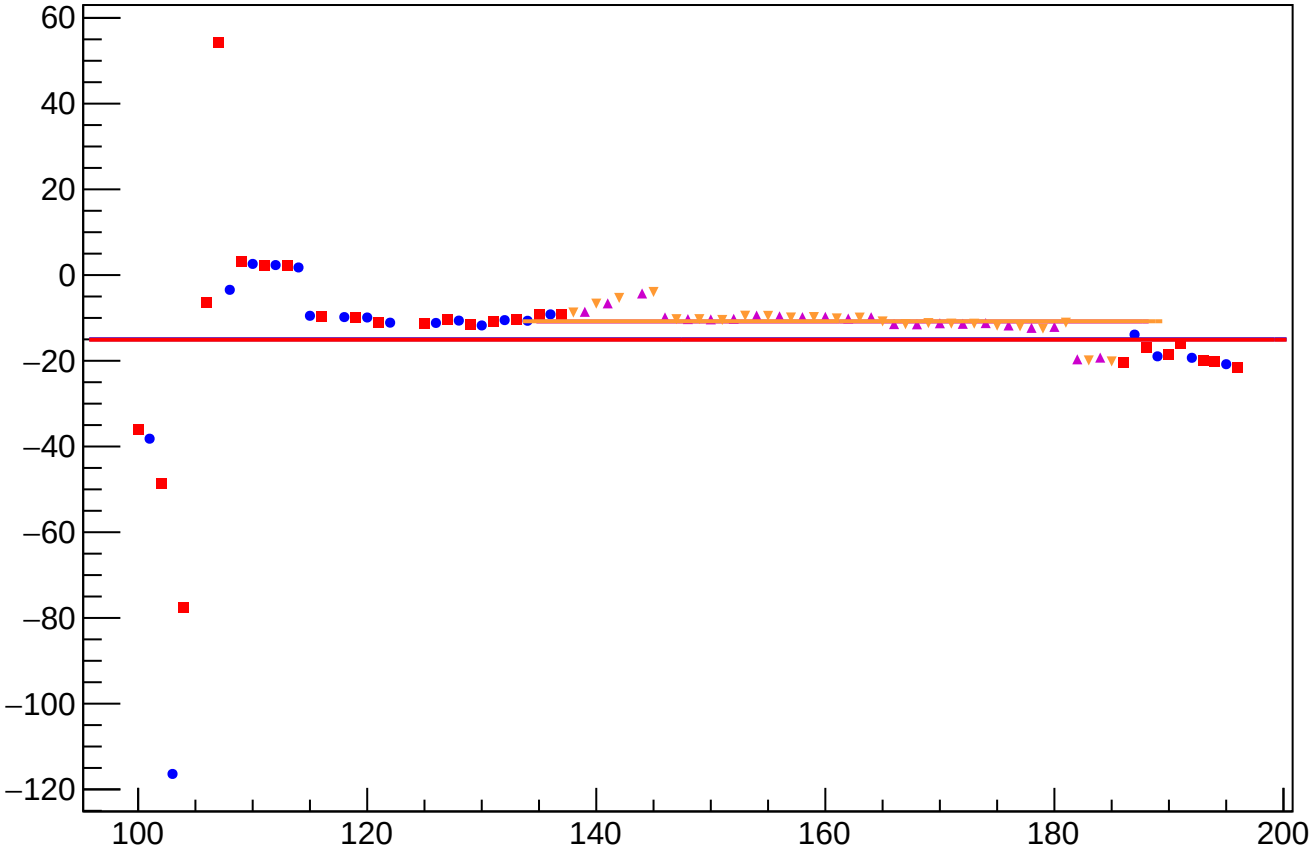
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.878+/-0.203 χ^2/NDF: 706.1/43

All: 16.158+/-0.144 χ^2/NDF: 1266.0/91

- sign 16.442+/-0.204 χ^2/NDF: 556.1/47

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -14.983+/-0.024 χ^2/NDF: 361363.4/19

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.082+/-0.023 χ^2/NDF: 345146.9/24

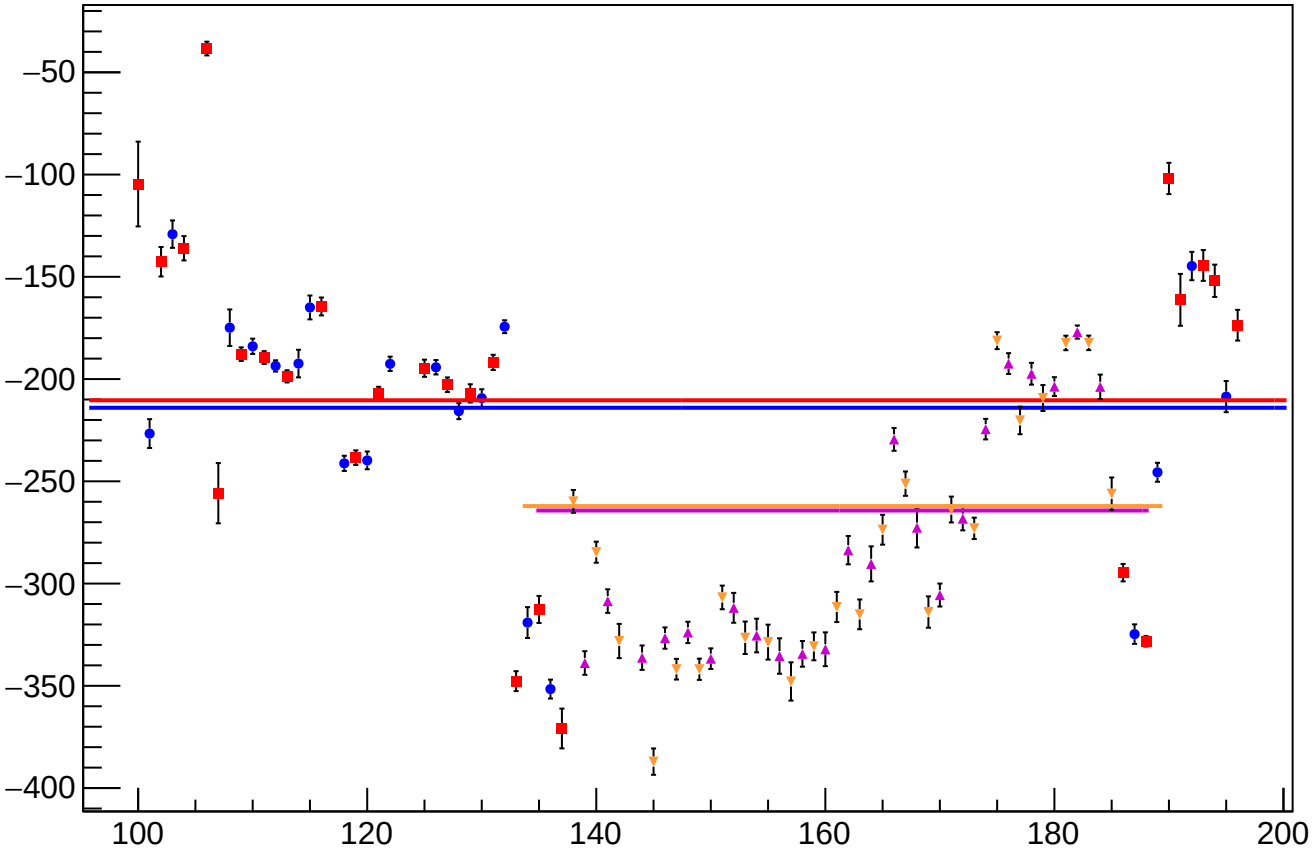
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.437+/-0.009 χ^2/NDF: 472309.9/43

All: -11.493+/-0.007 χ^2/NDF: 920175.9/91

- sign -11.548+/-0.009 χ^2/NDF: 447795.7/47

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.032+/-0.996 χ^2/NDF: 2461.6/19

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.374+/-0.882 χ^2/NDF: 7415.0/24

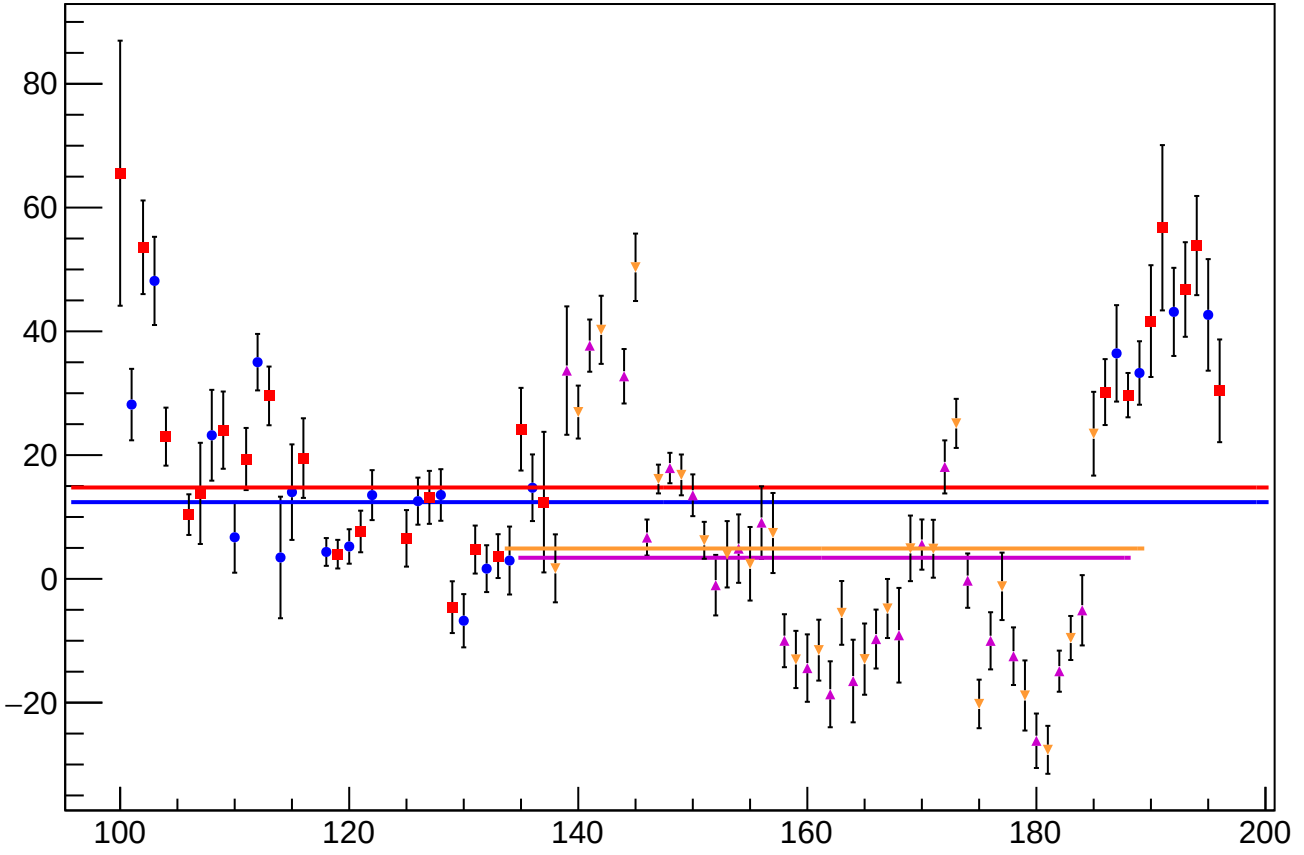
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.052+/-0.761 χ^2/NDF: 6396.1/43

All: -231.652+/-0.518 χ^2/NDF: 17901.8/91

- sign -229.577+/-0.708 χ^2/NDF: 11487.2/47

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.399+/-1.017 χ^2/NDF: 167.9/19

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 14.768+/-0.955 χ^2/NDF: 208.9/24

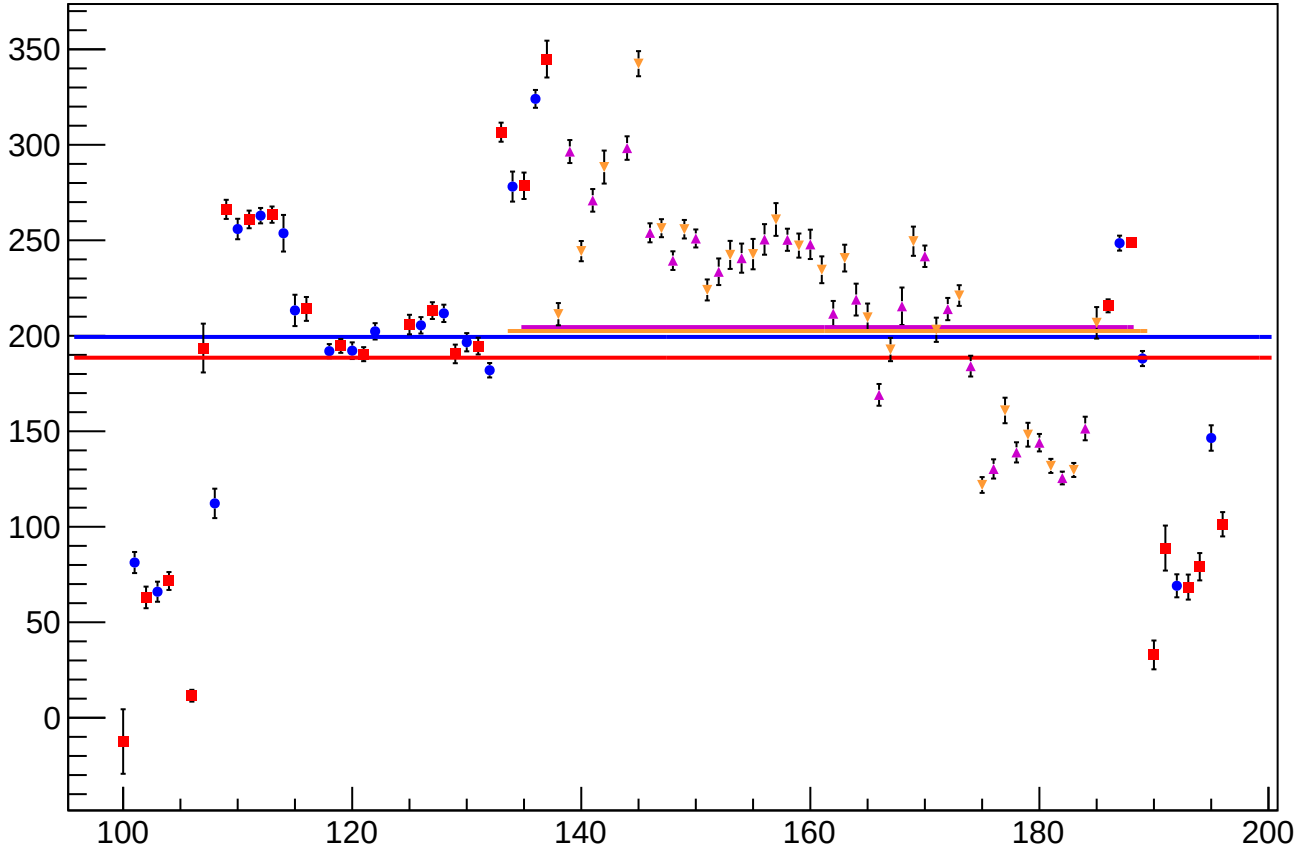
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.143+/-0.668 χ^2/NDF: 597.7/43

All: 8.456+/-0.468 χ^2/NDF: 1215.2/91

- sign 8.757+/-0.655 χ^2/NDF: 617.1/47

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.401+/-1.088 χ^2/NDF: 3167.7/19

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 188.527+/-0.921 χ^2/NDF: 8564.0/24

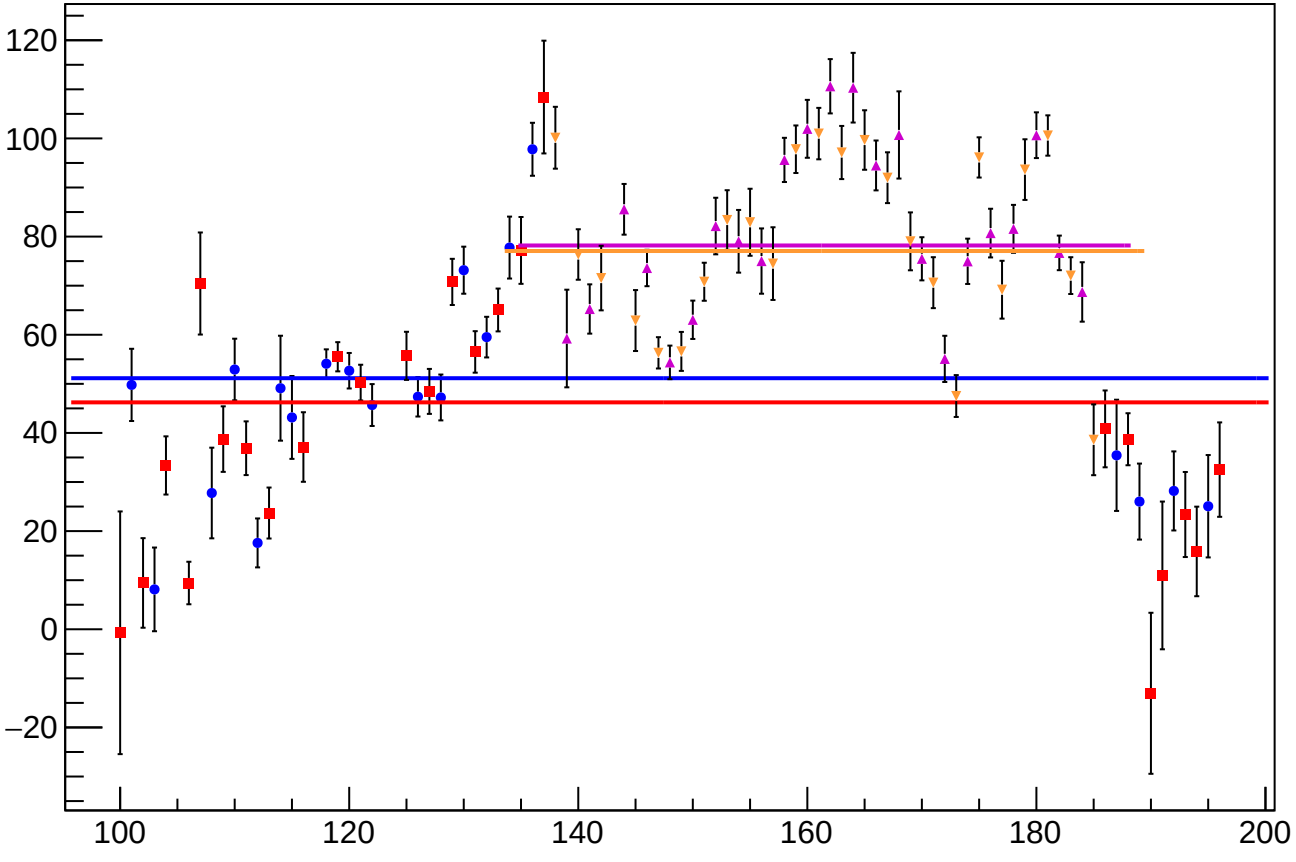
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 200.840+/-0.798 χ^2/NDF: 5565.0/43

All: 197.433+/-0.537 χ^2/NDF: 16563.1/91

- sign 194.616+/-0.725 χ^2/NDF: 10964.7/47

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 51.149+/-1.197 χ^2/NDF: 227.1/19

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 46.226+/-1.136 χ^2/NDF: 284.6/24

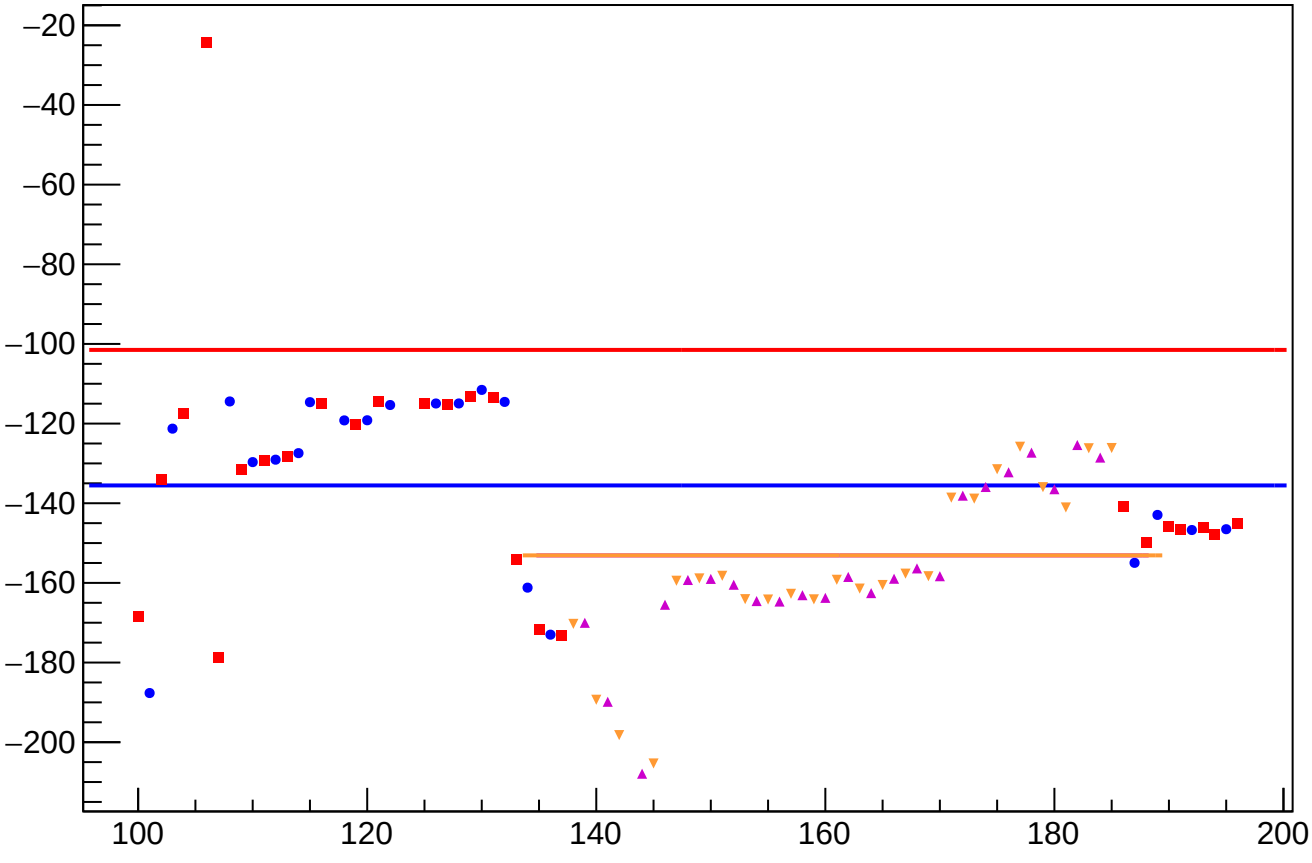
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.221+/-0.774 χ^2/NDF: 811.0/43

All: 65.011+/-0.543 χ^2/NDF: 1768.9/91

- sign 63.841+/-0.761 χ^2/NDF: 953.2/47

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -135.530+/-0.073 χ^2/NDF: 99222.8/19

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -101.502+/-0.057 χ^2/NDF: 904005.5/24

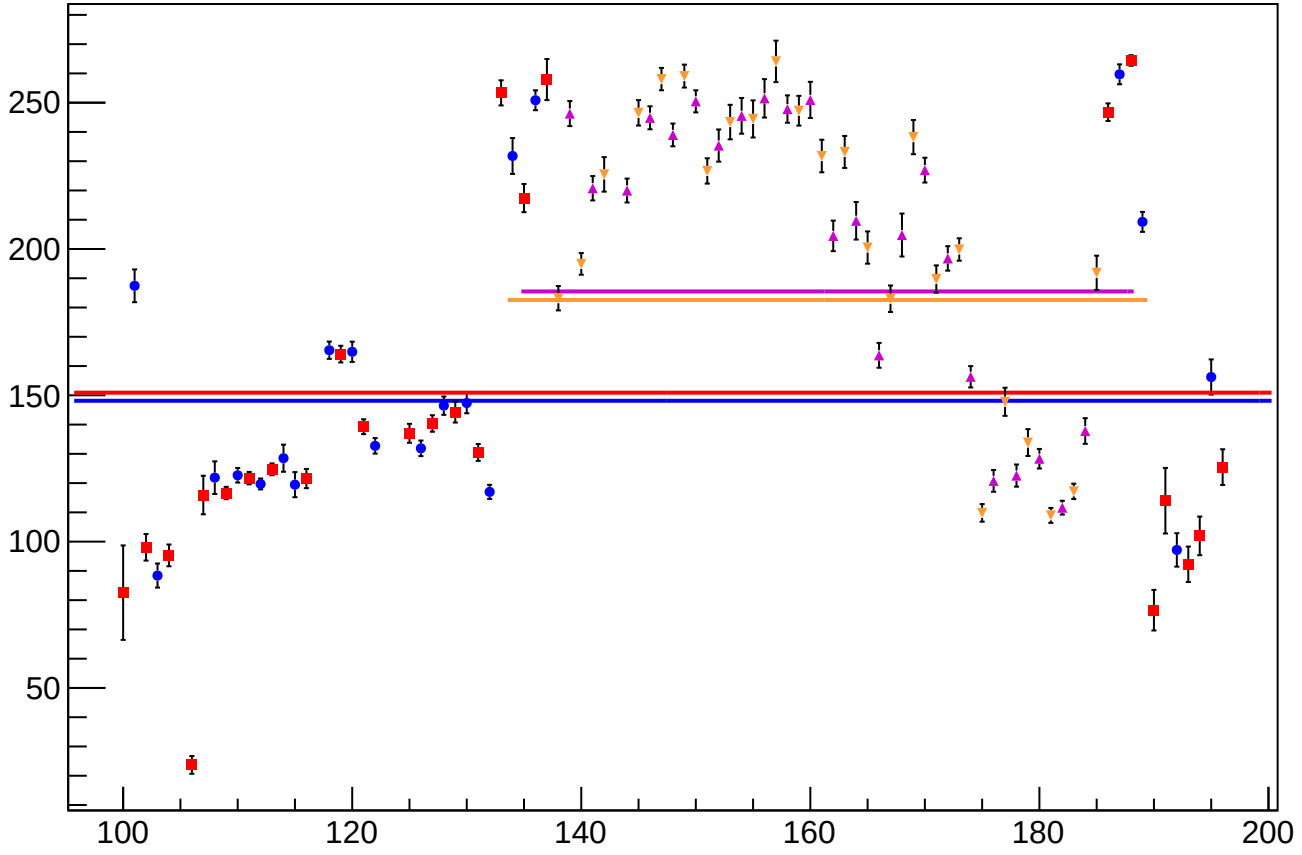
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.936+/-0.039 χ^2/NDF: 317885.6/43

All: -139.440+/-0.027 χ^2/NDF: 1966376.3/91

- sign -132.340+/-0.036 χ^2/NDF: 1563292.8/47

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.136+/-0.734 χ^2/NDF: 3552.1/19

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.915+/-0.649 χ^2/NDF: 9228.6/24

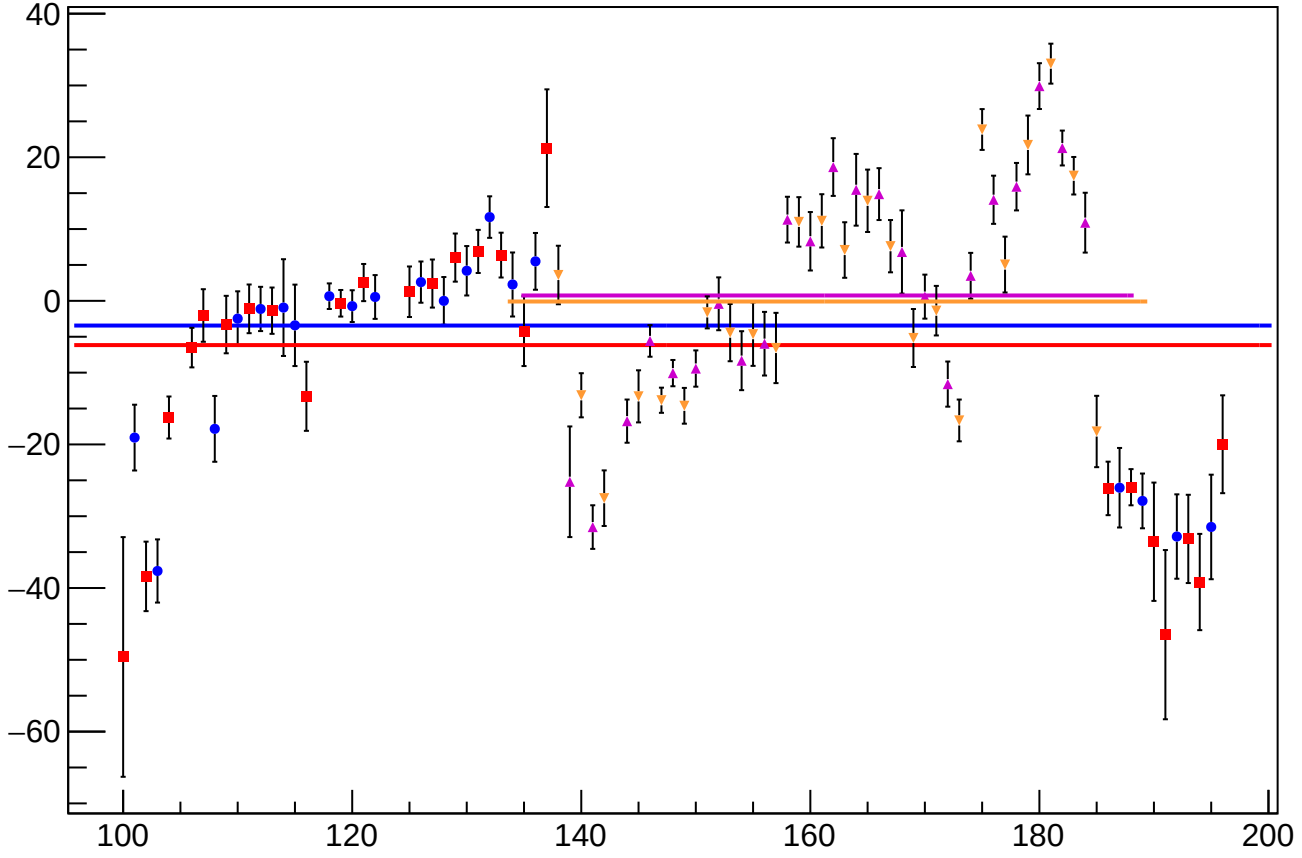
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.548+/-0.560 χ^2/NDF: 8625.5/43

All: 162.912+/-0.381 χ^2/NDF: 22688.9/91

- sign 163.227+/-0.521 χ^2/NDF: 14062.7/47

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.442+/-0.772 χ^2/NDF: 233.0/19

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.164+/-0.716 χ^2/NDF: 324.0/24

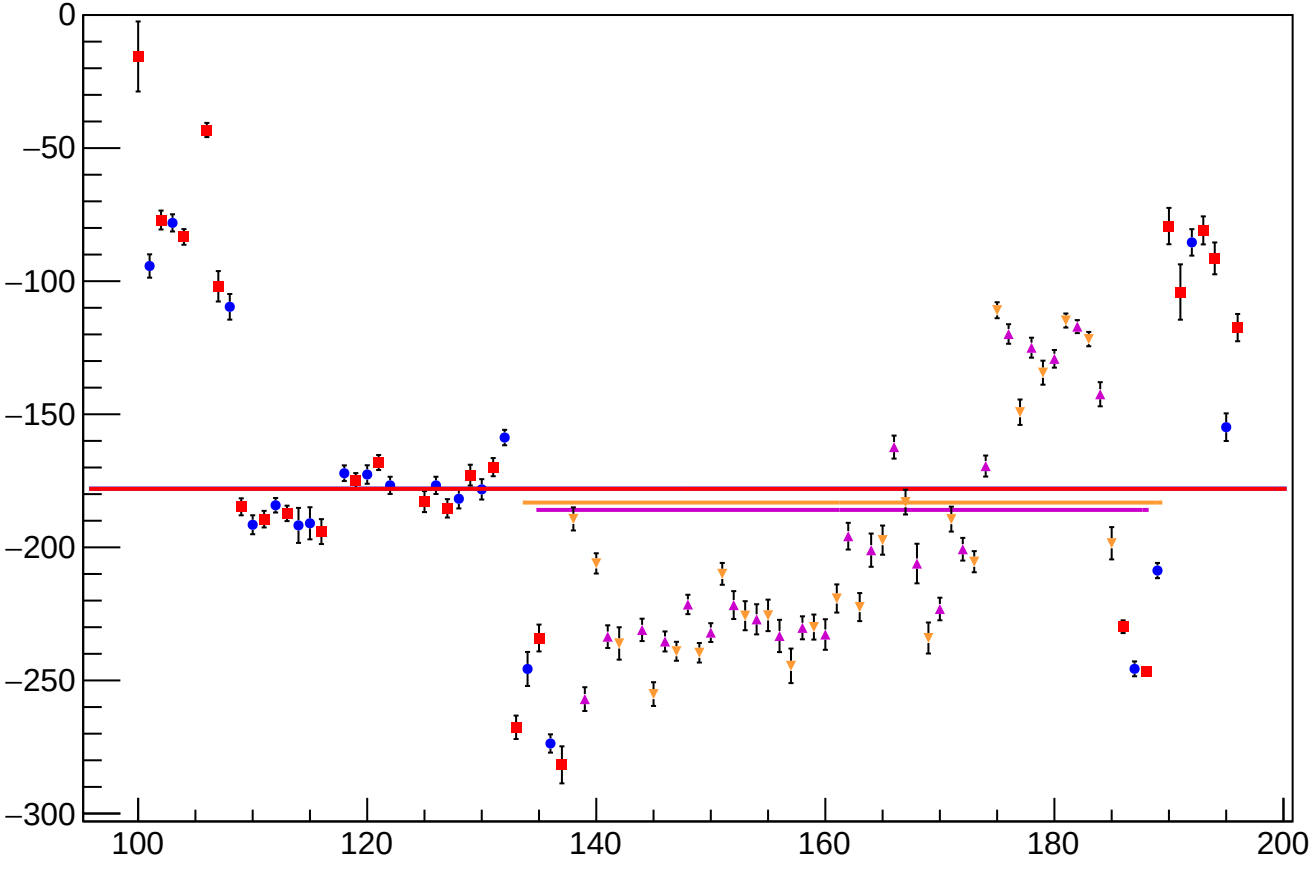
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.494+/-0.499 χ^2/NDF: 799.2/43

All: -1.986+/-0.349 χ^2/NDF: 1672.9/91

- sign -2.455+/-0.487 χ^2/NDF: 871.8/47

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -177.932+/-0.805 χ^2/NDF: 3560.2/19

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -178.022+/-0.679 χ^2/NDF: 9191.9/24

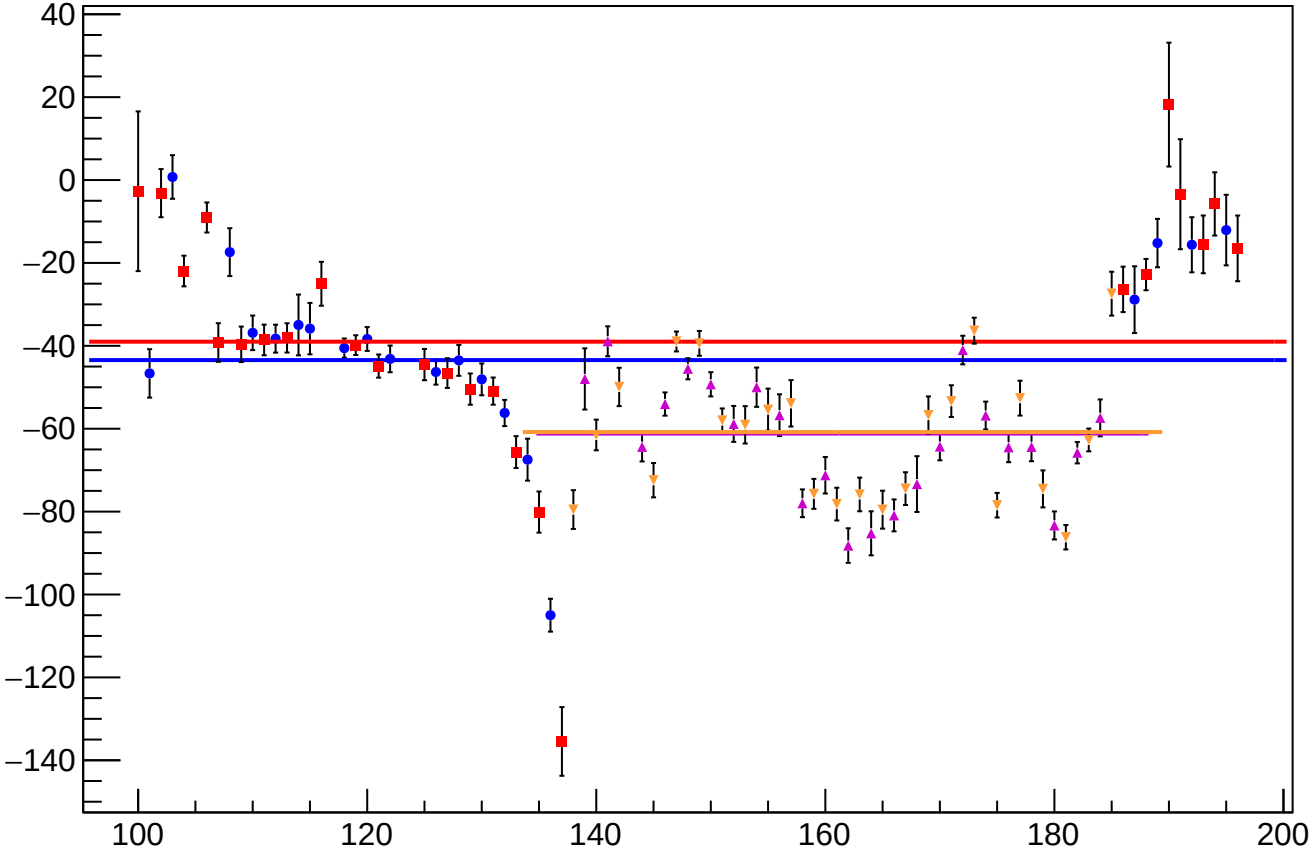
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.373+/-0.588 χ^2/NDF: 6941.1/43

All: -180.732+/-0.396 χ^2/NDF: 19366.9/91

- sign -181.028+/-0.534 χ^2/NDF: 12425.2/47

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -43.444+/-0.906 χ^2/NDF: 443.7/19

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -39.000+/-0.852 χ^2/NDF: 507.8/24

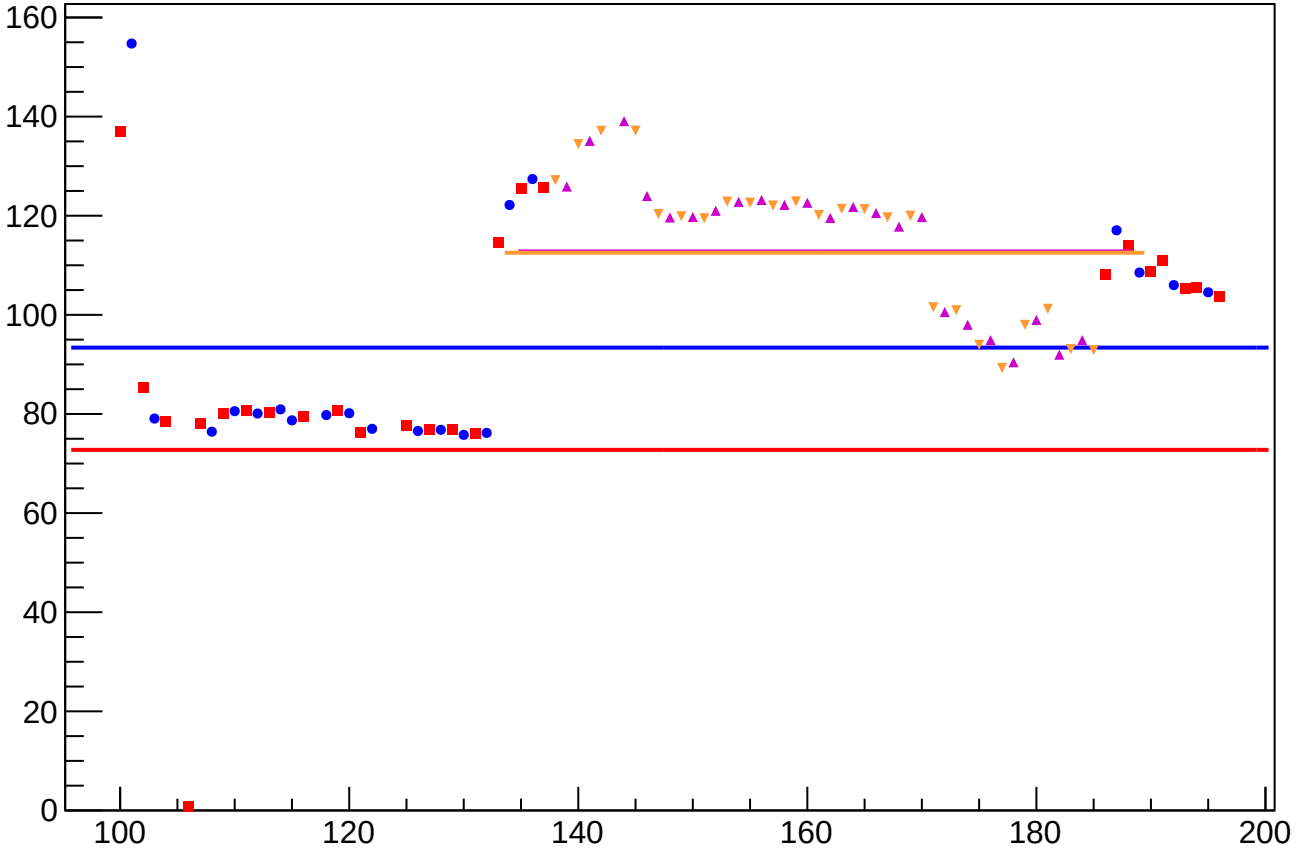
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.754+/-0.577 χ^2/NDF: 1135.8/43

All: -52.552+/-0.404 χ^2/NDF: 2347.5/91

- sign -51.397+/-0.566 χ^2/NDF: 1203.1/47

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 93.391+/-0.054 χ^2/NDF: 174653.7/19

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 72.762+/-0.044 χ^2/NDF: 820003.7/24

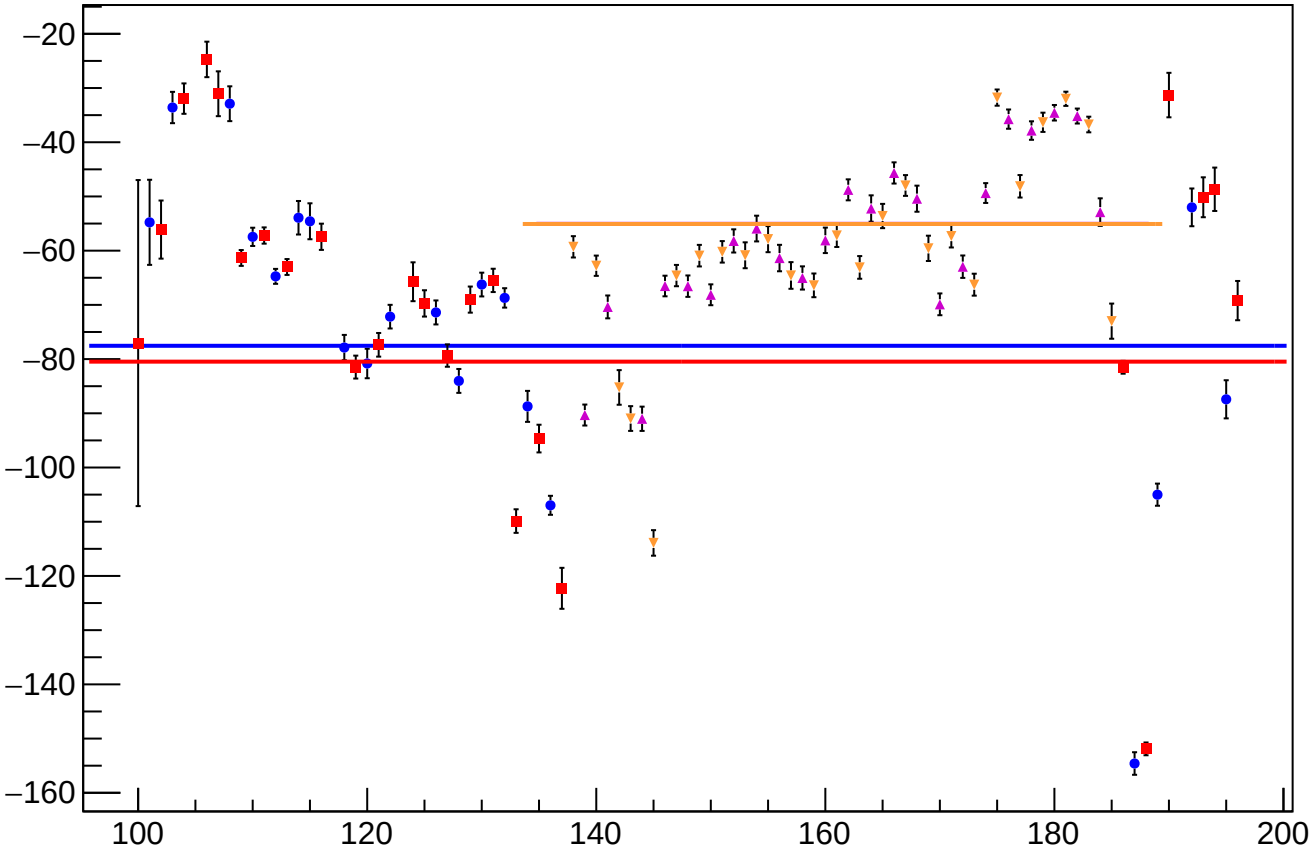
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.904+/-0.029 χ^2/NDF: 439390.4/43

All: 101.967+/-0.020 χ^2/NDF: 1996395.8/91

- sign 97.654+/-0.027 χ^2/NDF: 1502901.9/47

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.547+/-0.510 χ^2/NDF: 2752.8/19

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.471+/-0.434 χ^2/NDF: 5794.4/24

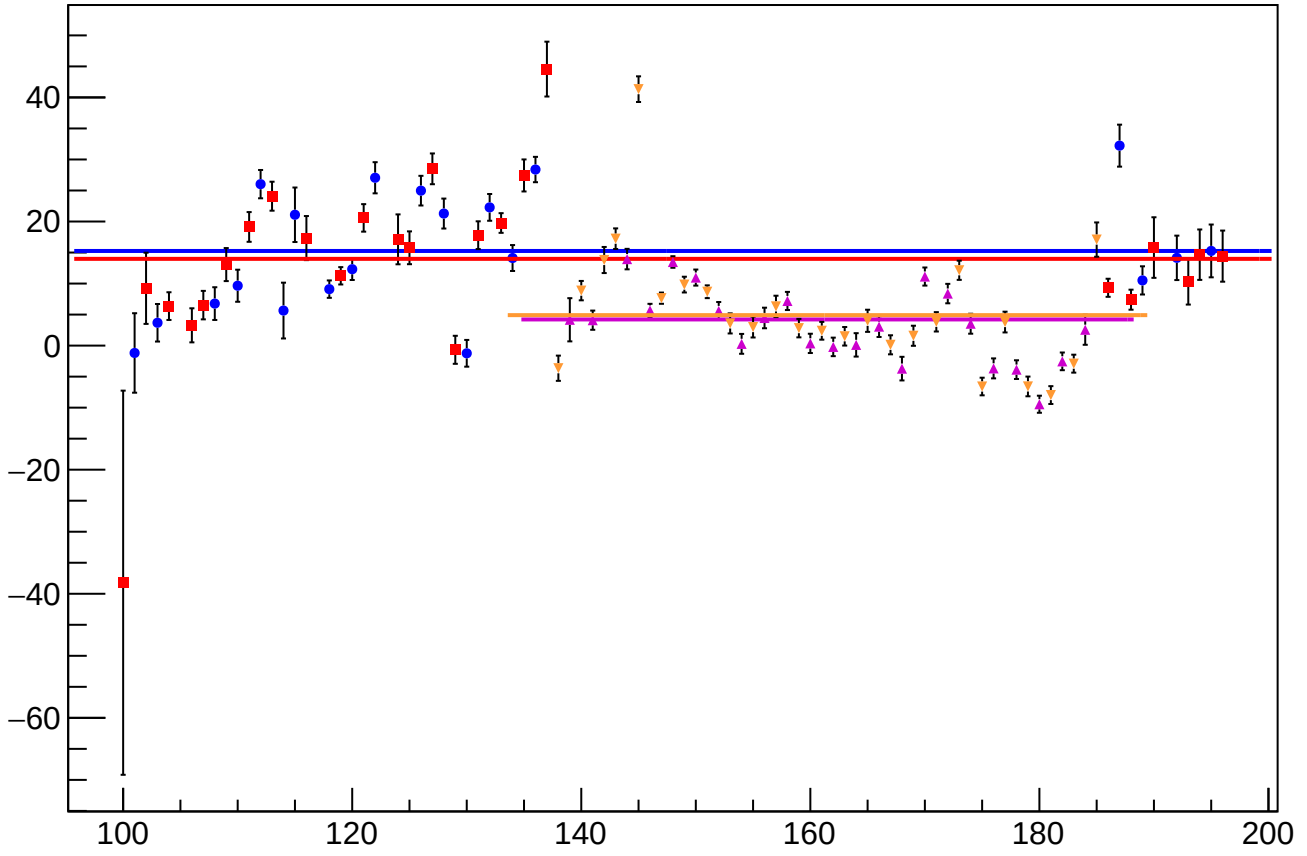
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.654+/-0.315 χ^2/NDF: 5956.9/44

All: -65.446+/-0.217 χ^2/NDF: 15165.3/92

- sign -67.052+/-0.298 χ^2/NDF: 9147.1/47

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.253+/-0.544 χ^2/NDF: 272.1/19

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.982+/-0.482 χ^2/NDF: 274.6/24

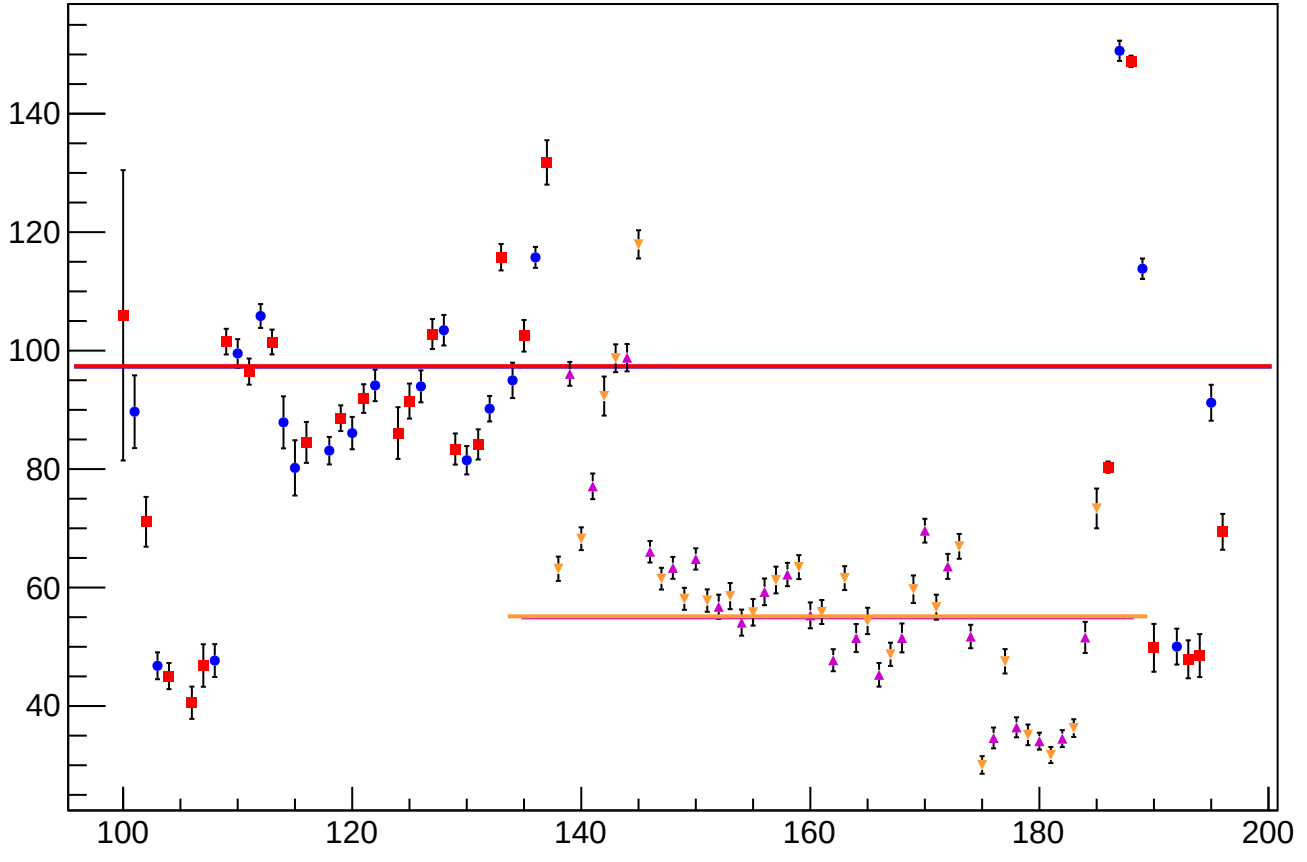
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.338+/-0.264 χ^2/NDF: 1290.2/44

All: 7.219+/-0.186 χ^2/NDF: 2269.1/92

- sign 7.101+/-0.262 χ^2/NDF: 978.5/47

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 97.301+/-0.548 χ^2/NDF: 2393.4/19

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.371+/-0.439 χ^2/NDF: 5413.2/24

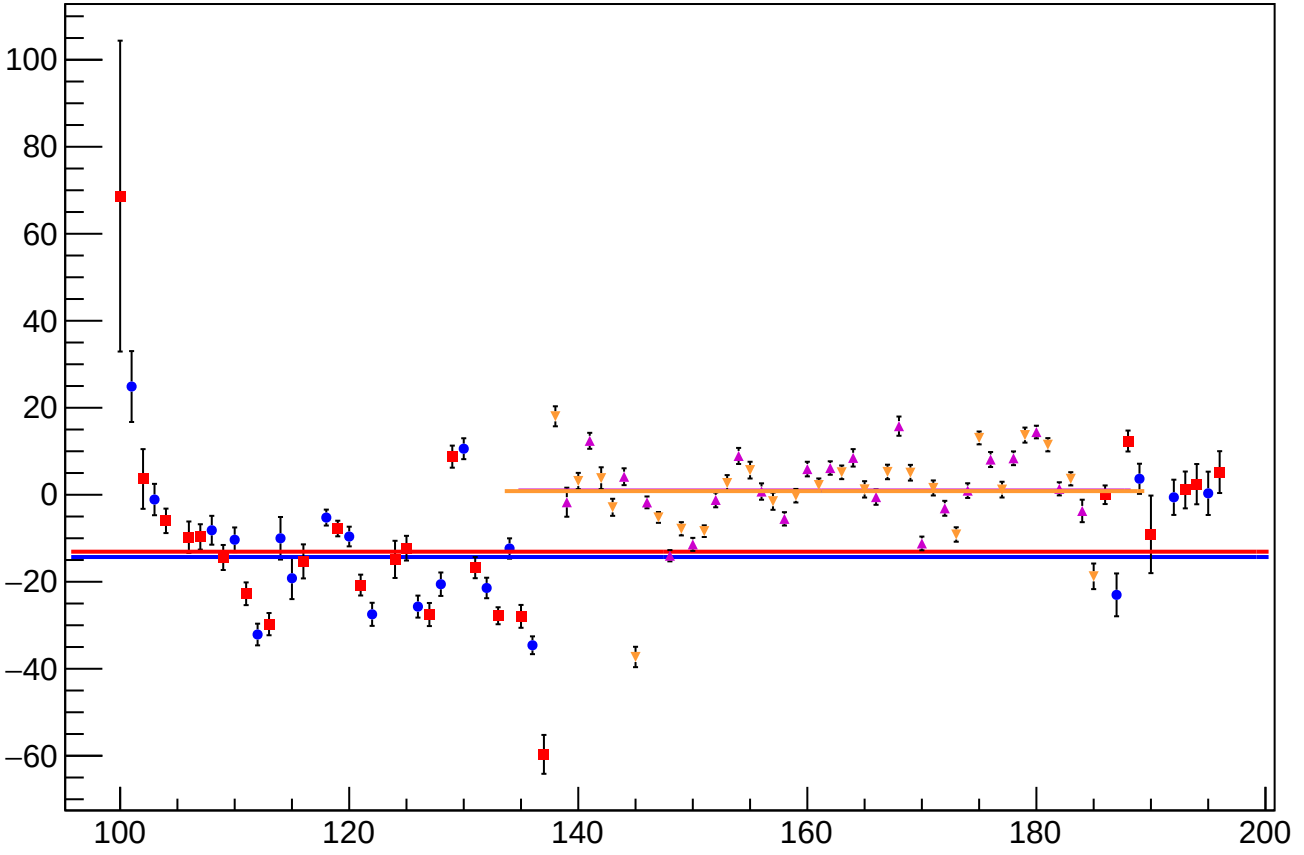
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.661+/-0.321 χ^2/NDF: 8521.1/44

All: 72.272+/-0.218 χ^2/NDF: 20874.2/92

- sign 74.514+/-0.298 χ^2/NDF: 12230.5/47

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -14.315+/-0.634 χ^2/NDF: 439.7/19

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.085+/-0.581 χ^2/NDF: 585.5/24

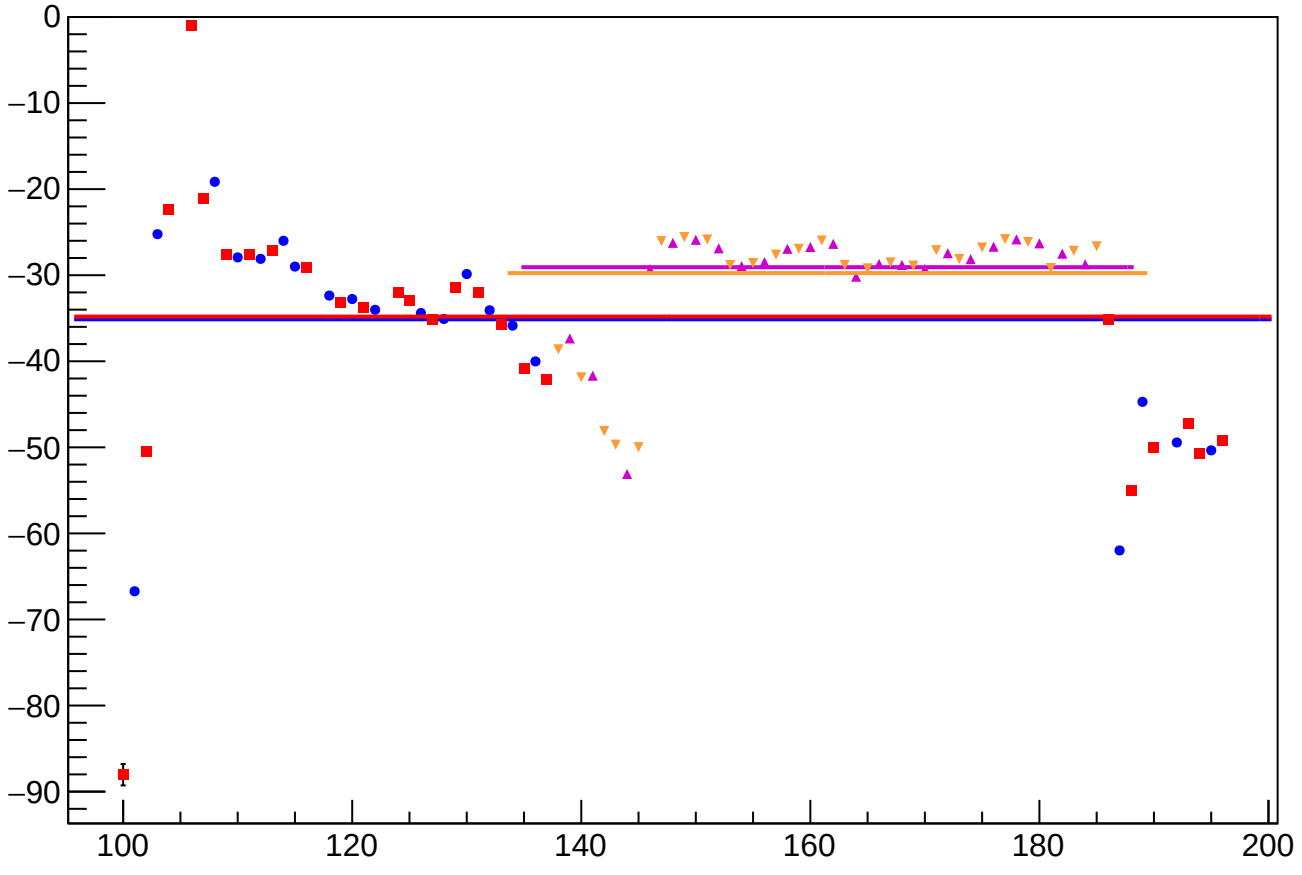
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.586+/-0.302 χ^2/NDF: 1598.5/44

All: -2.702+/-0.213 χ^2/NDF: 3170.8/92

\- sign -2.819+/-0.302 χ^2/NDF: 1572.0/47

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -35.122+/-0.035 χ^2/NDF: 83372.3/19

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -34.809+/-0.032 χ^2/NDF: 178075.3/24

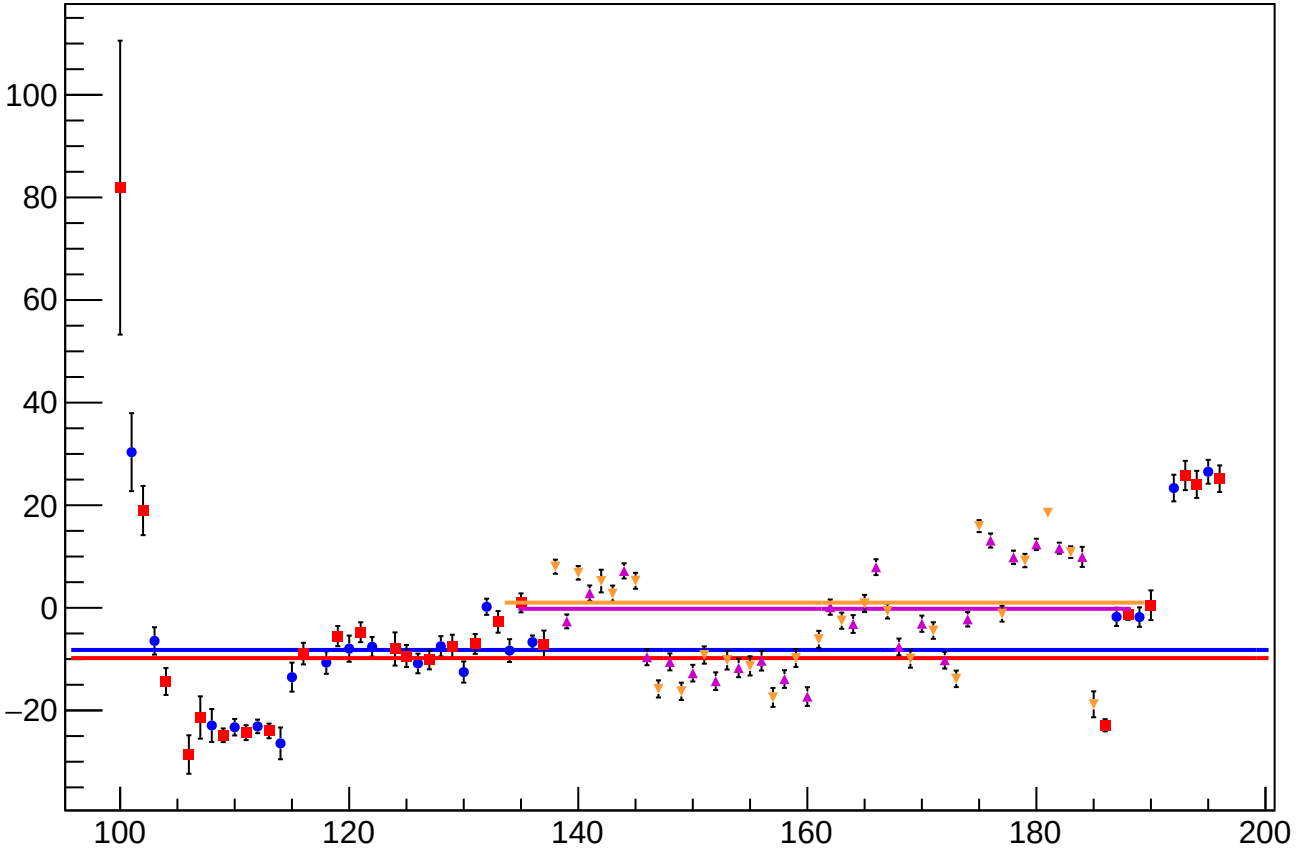
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.657+/-0.014 χ^2/NDF: 266906.4/44

All: -30.414+/-0.010 χ^2/NDF: 572523.8/92

- sign -30.171+/-0.014 χ^2/NDF: 305033.4/47

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -8.212+/-0.448 χ^2/NDF: 733.9/19

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.801+/-0.391 χ^2/NDF: 1174.5/24

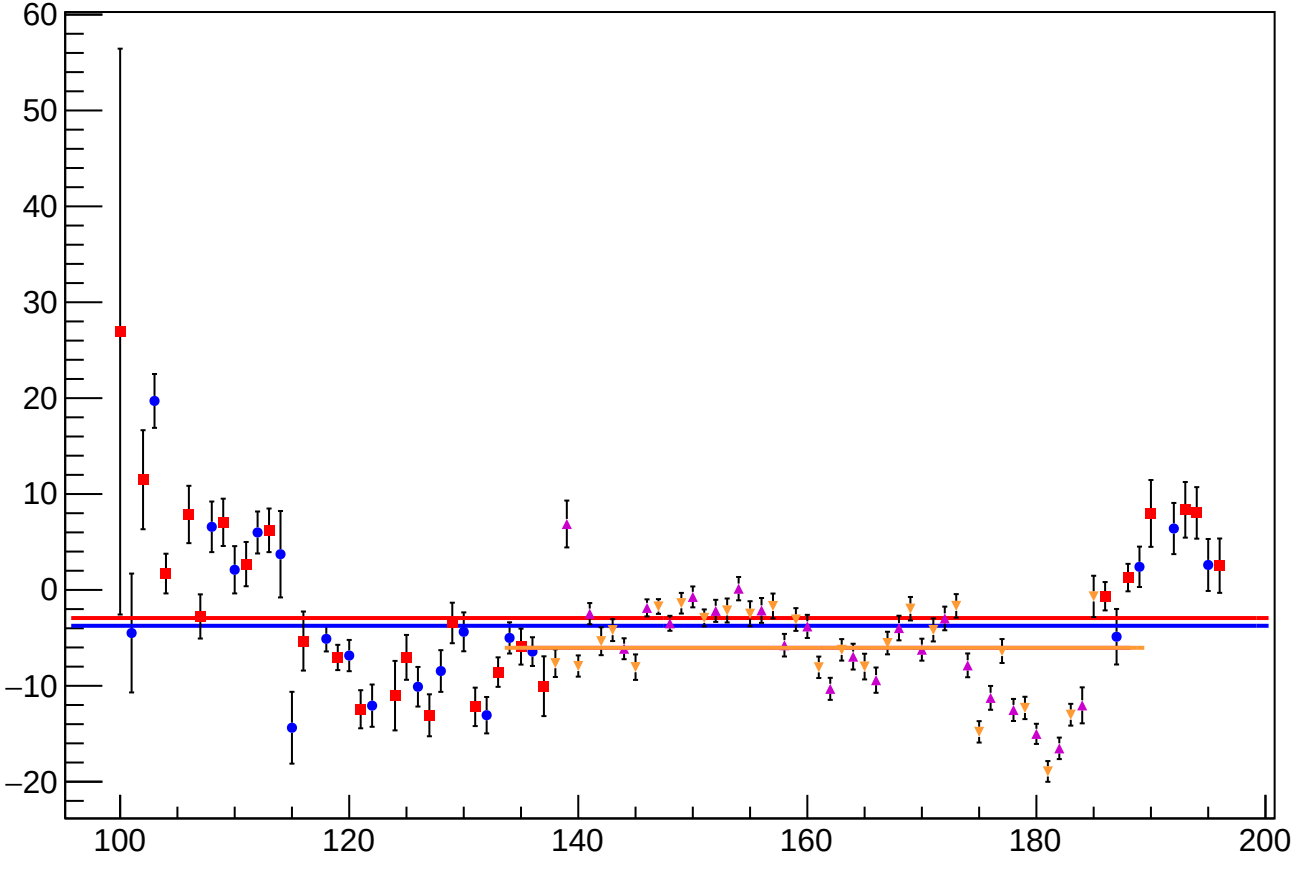
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.905+/-0.252 χ^2/NDF: 2359.0/44

All: -2.965+/-0.176 χ^2/NDF: 4917.4/92

- sign -3.967+/-0.245 χ^2/NDF: 2523.9/47

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.741+/-0.479 χ^2/NDF: 211.0/19

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.932+/-0.438 χ^2/NDF: 227.1/24

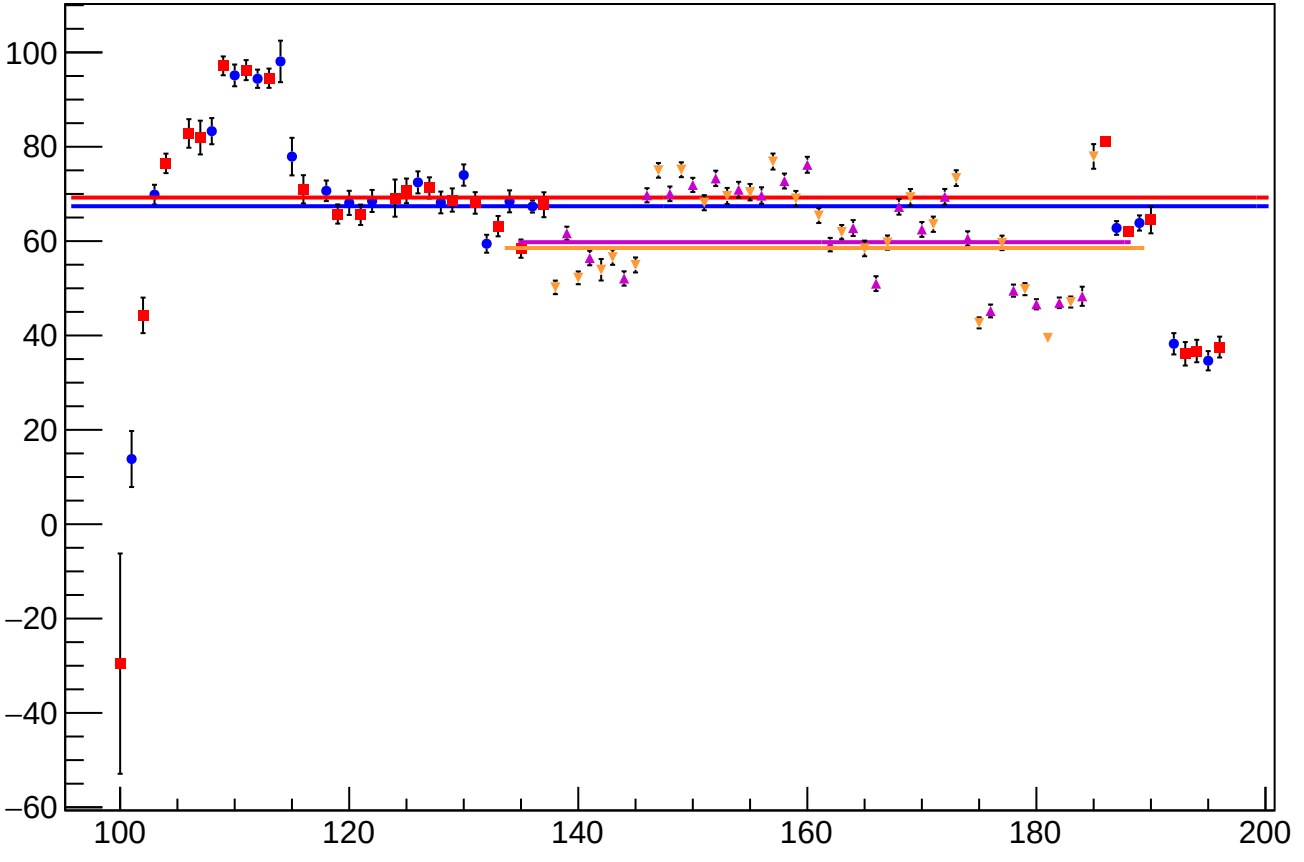
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.595+/-0.210 χ^2/NDF: 644.5/44

All: -5.455+/-0.149 χ^2/NDF: 1307.3/92

- sign -5.312+/-0.212 χ^2/NDF: 661.9/47

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 67.395+/-0.476 χ^2/NDF: 983.3/19

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 69.234+/-0.395 χ^2/NDF: 1464.6/24

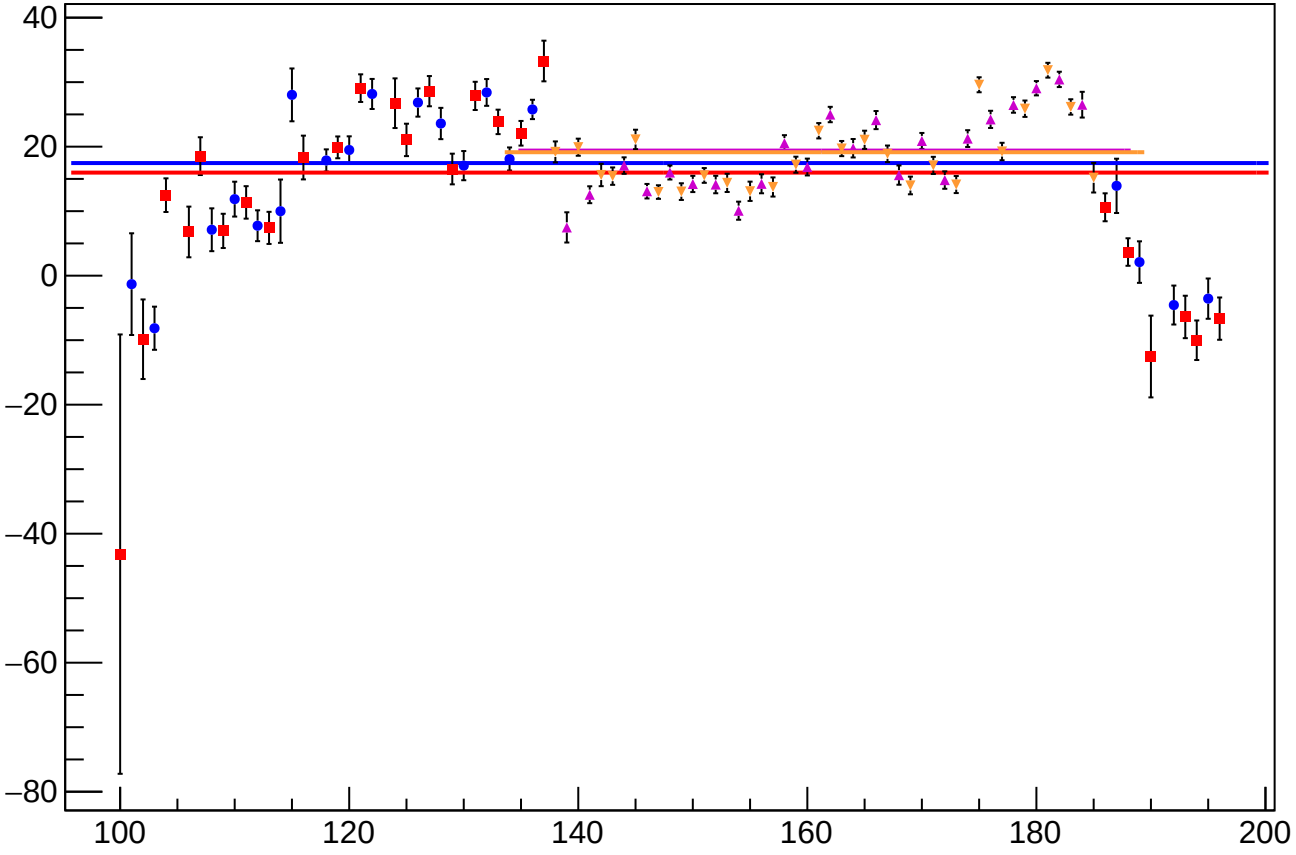
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 61.092+/-0.255 χ^2/NDF: 2679.4/44

All: 62.300+/-0.177 χ^2/NDF: 5610.8/92

- sign 63.406+/-0.245 χ^2/NDF: 2888.6/47

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.457+/-0.552 χ^2/NDF: 331.2/19

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.978+/-0.522 χ^2/NDF: 452.2/24

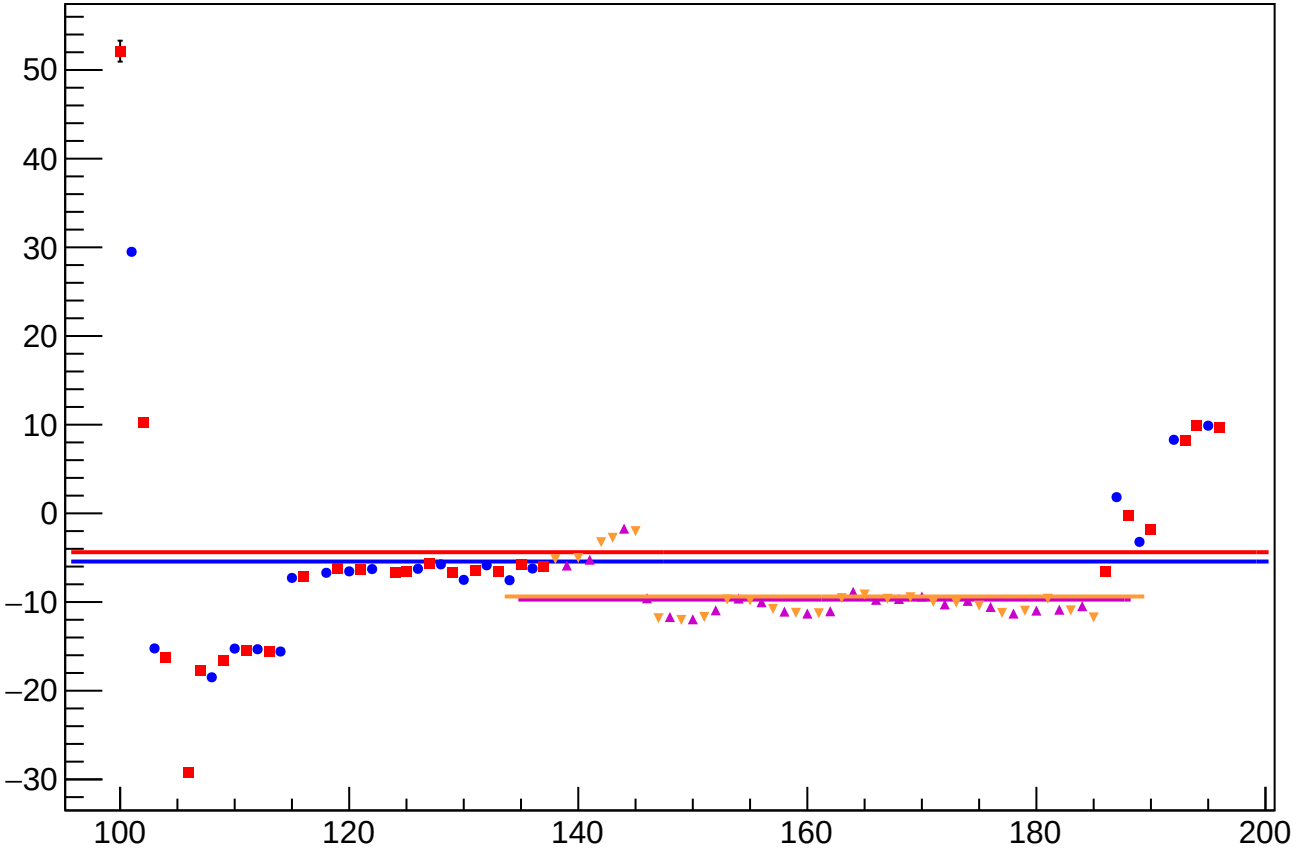
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 18.825+/-0.238 χ^2/NDF: 772.5/44

All: 18.741+/-0.170 χ^2/NDF: 1726.2/92

\- sign 18.655+/-0.242 χ^2/NDF: 953.5/47

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -5.432+/-0.029 χ^2/NDF: 93627.4/19

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -4.381+/-0.028 χ^2/NDF: 141109.6/24

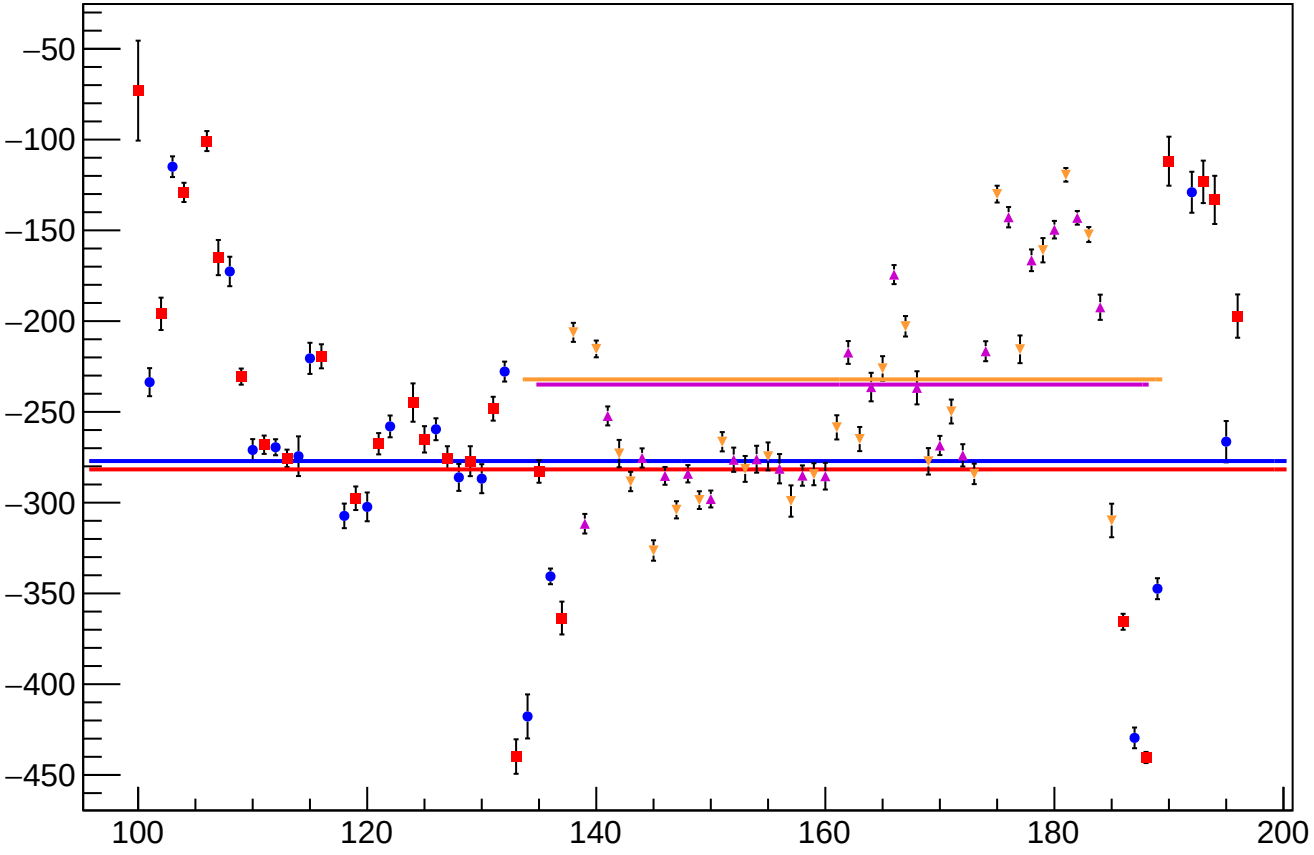
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.794+/-0.011 χ^2/NDF: 159766.1/44

All: -8.828+/-0.008 χ^2/NDF: 364282.7/92

- sign -8.863+/-0.011 χ^2/NDF: 204497.3/47

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -277.082+/-1.474 χ^2/NDF: 2568.8/19

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -281.679+/-1.265 χ^2/NDF: 6408.5/24

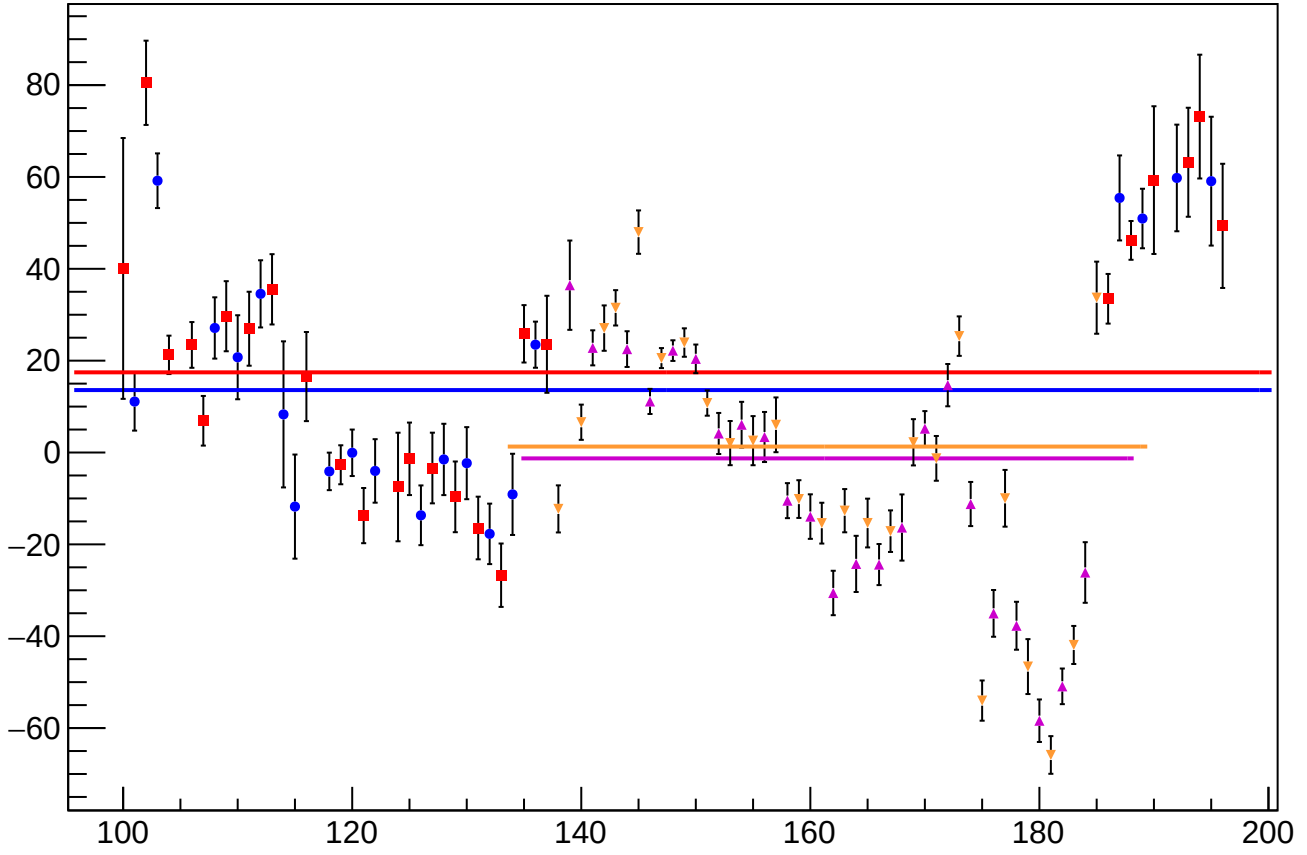
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.985+/-0.903 χ^2/NDF: 6420.5/44

All: -252.973+/-0.623 χ^2/NDF: 16068.2/92

- sign -256.599+/-0.861 χ^2/NDF: 9610.5/47

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.596+/-1.547 χ^2/NDF: 248.0/19

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.456+/-1.368 χ^2/NDF: 309.9/24

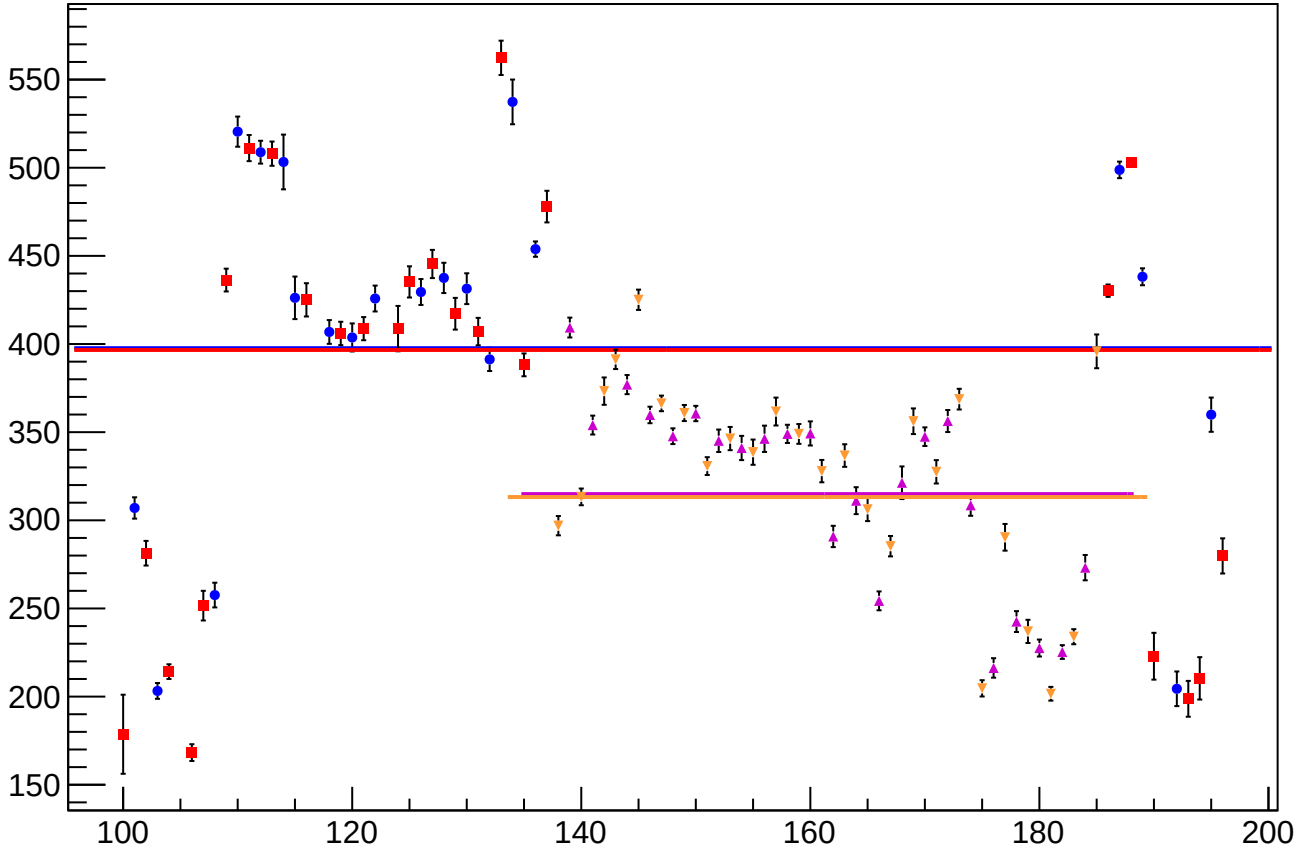
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.080+/-0.736 χ^2/NDF: 1346.3/44

All: 4.094+/-0.520 χ^2/NDF: 2601.2/92

- sign 4.107+/-0.733 χ^2/NDF: 1254.9/47

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 397.619+/-1.509 χ^2/NDF: 4359.6/19

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 396.645+/-1.242 χ^2/NDF: 8751.8/24

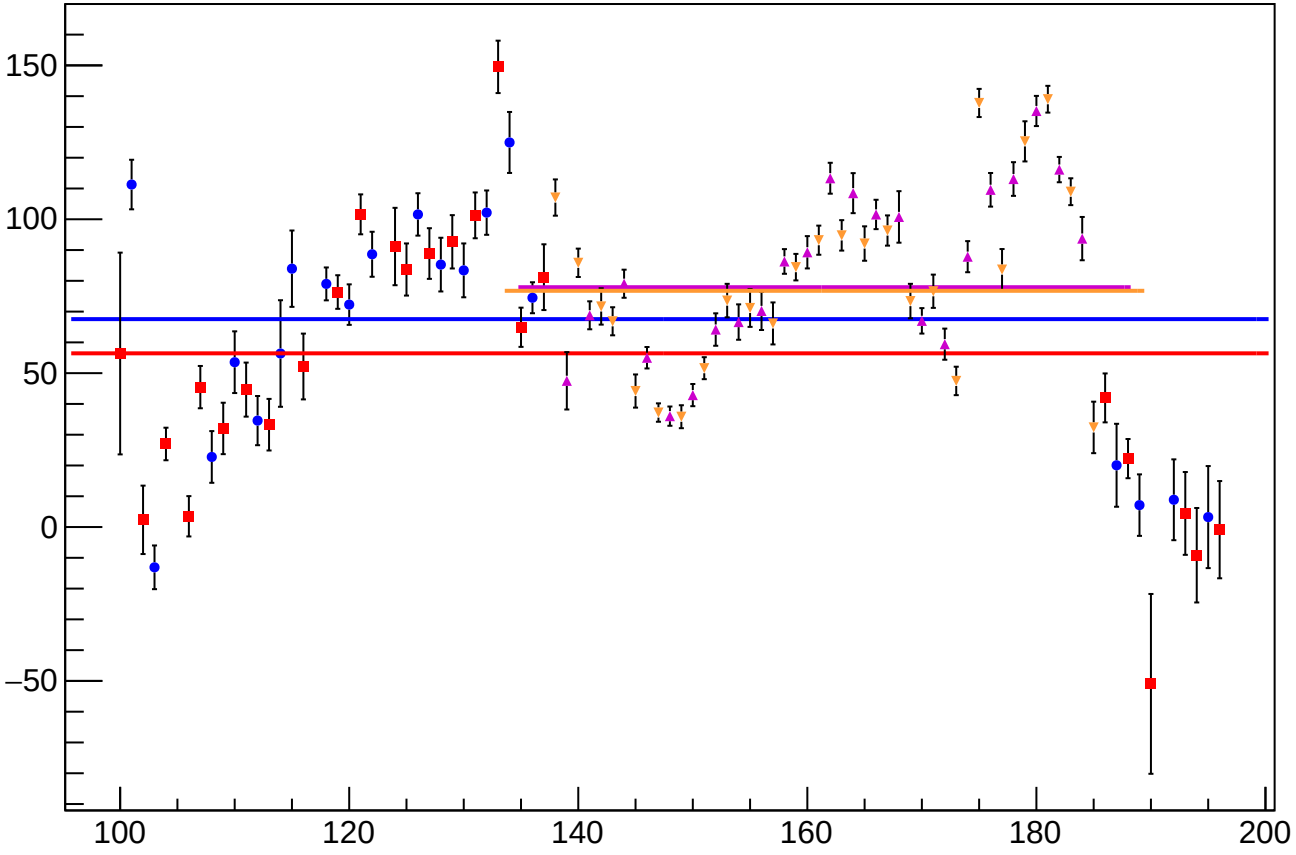
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.675+/-0.906 χ^2/NDF: 9496.3/44

All: 348.647+/-0.619 χ^2/NDF: 23046.1/92

- sign 353.002+/-0.848 χ^2/NDF: 13493.3/47

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 67.555+/-1.817 χ^2/NDF: 395.8/19

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 56.441+/-1.653 χ^2/NDF: 508.5/24

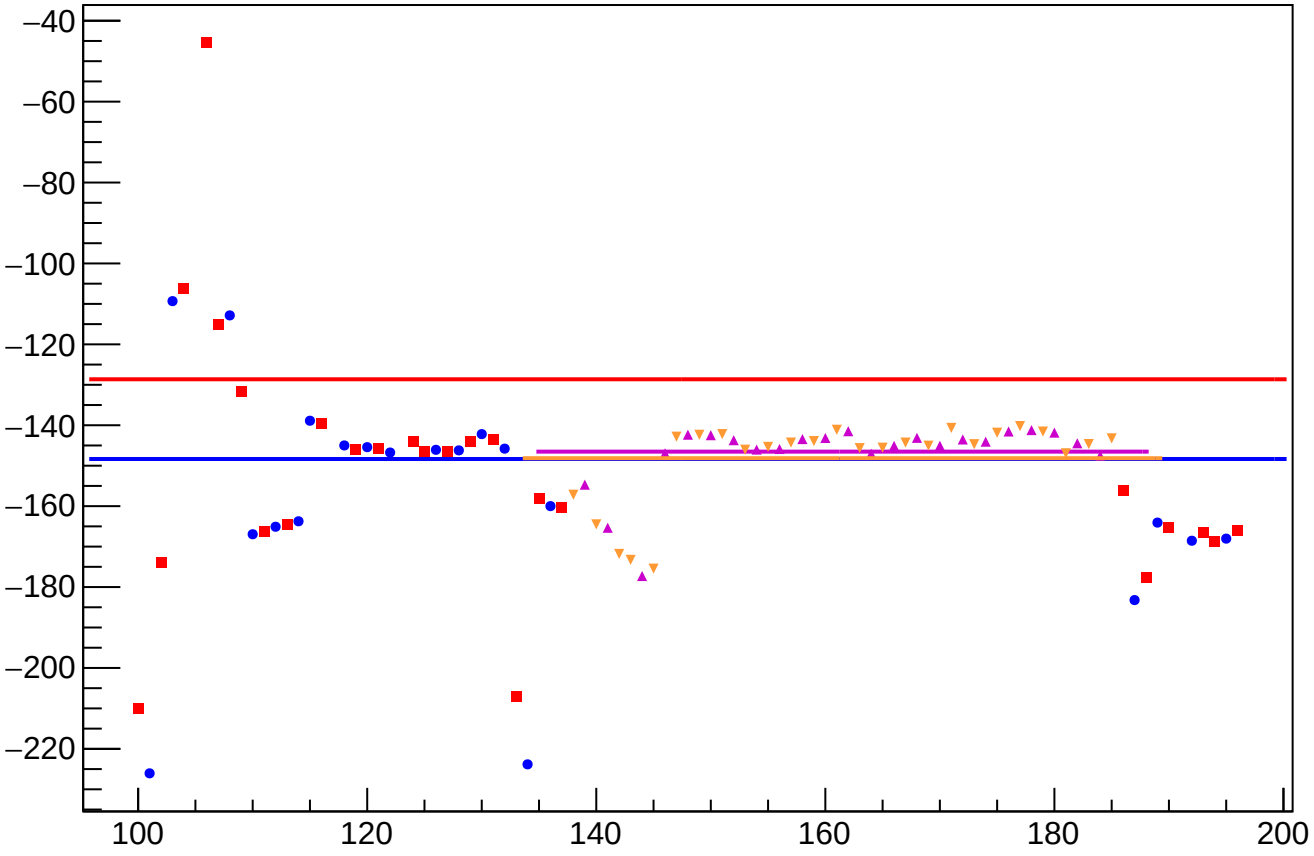
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.728+/-0.853 χ^2/NDF: 1451.1/44

All: 73.462+/-0.604 χ^2/NDF: 2871.7/92

- sign 72.195+/-0.854 χ^2/NDF: 1416.1/47

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -148.342+/-0.092 χ^2/NDF: 140075.4/19

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -128.634+/-0.081 χ^2/NDF: 325469.9/24

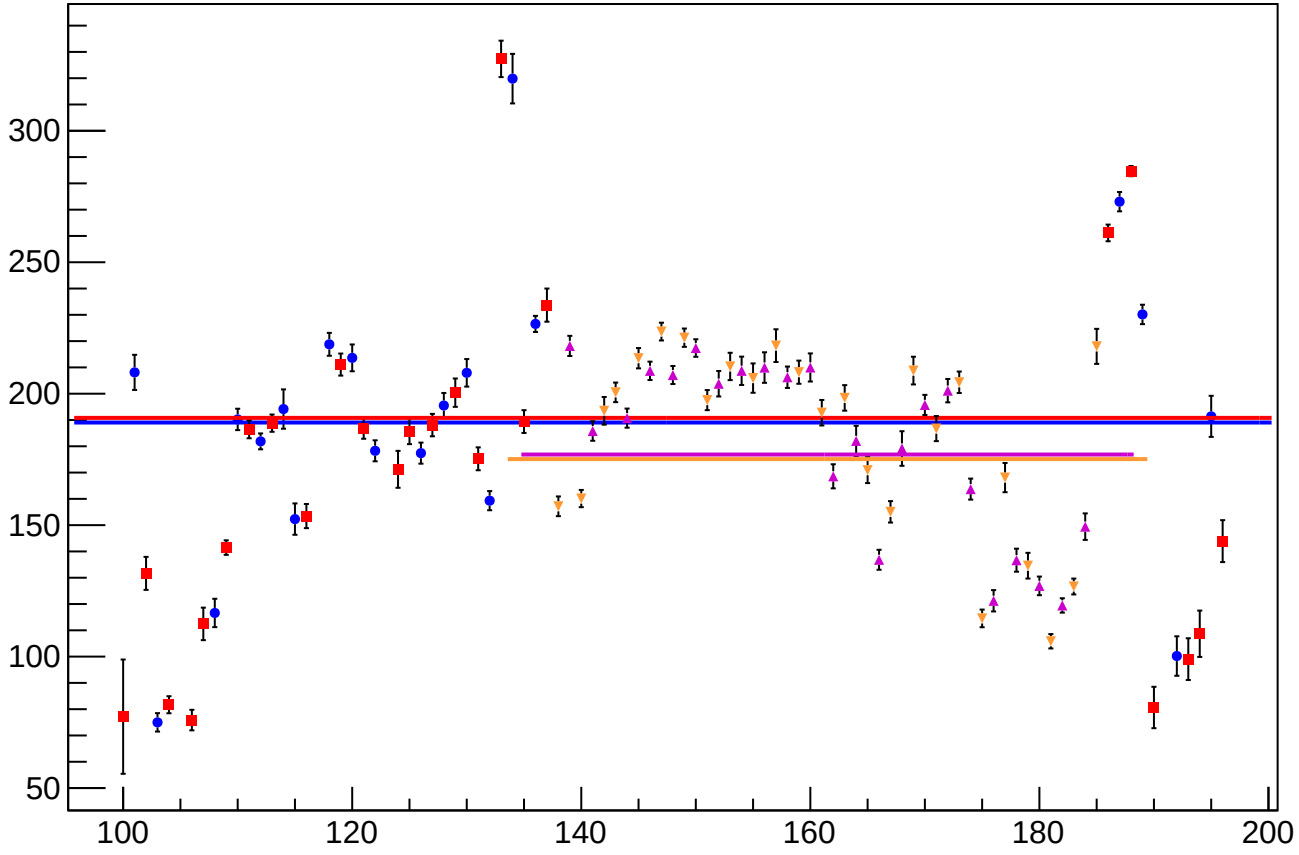
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.186+/-0.040 χ^2/NDF: 188989.2/44

All: -145.135+/-0.028 χ^2/NDF: 592038.0/92

- sign -142.202+/-0.040 χ^2/NDF: 391895.7/47

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.038+/-0.988 χ^2/NDF: 2589.1/19

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.806+/-0.838 χ^2/NDF: 6445.5/24

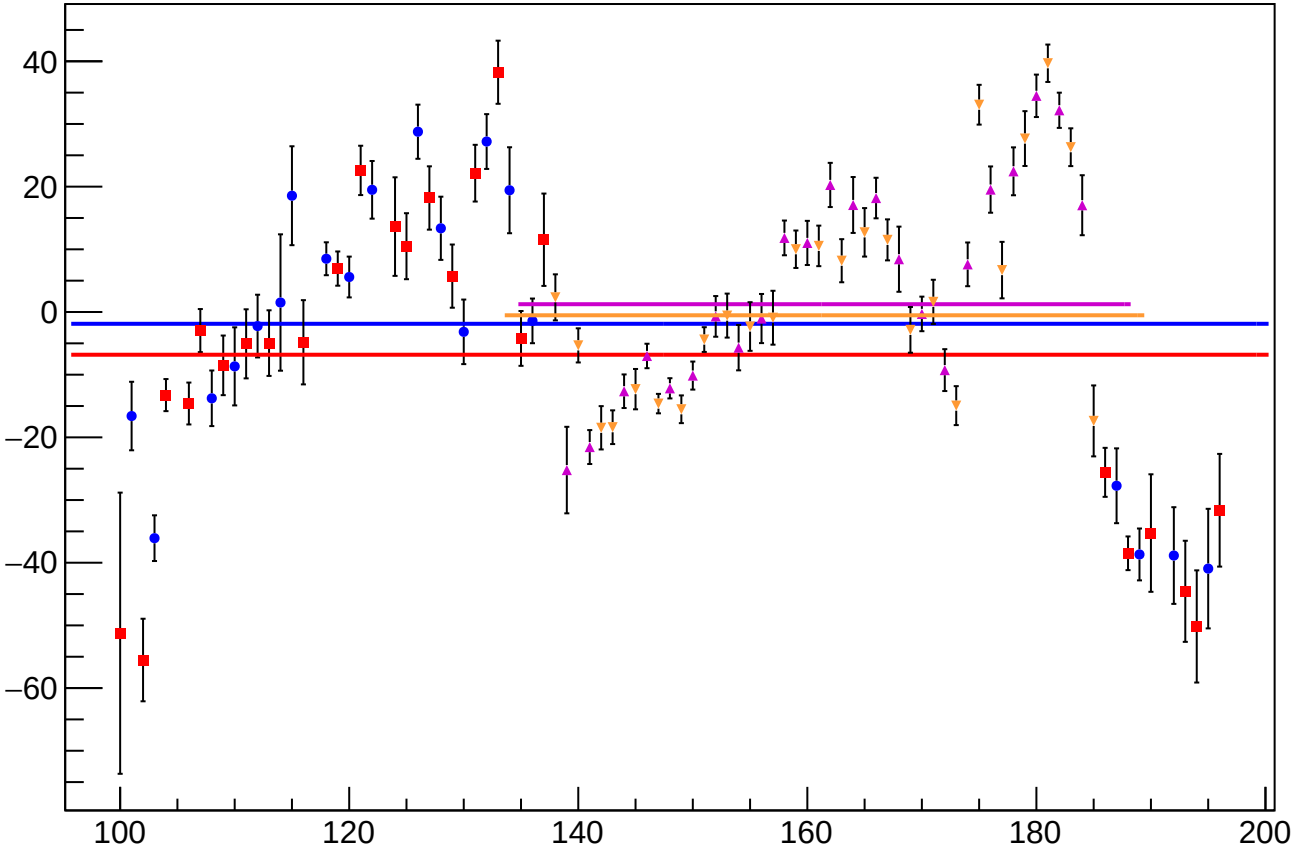
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.819+/-0.632 χ^2/NDF: 5001.5/44

All: 182.457+/-0.433 χ^2/NDF: 13352.9/92

- sign 183.912+/-0.596 χ^2/NDF: 8338.7/47

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.882+/-1.035 χ^2/NDF: 403.9/19

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -6.817+/-0.901 χ^2/NDF: 553.3/24

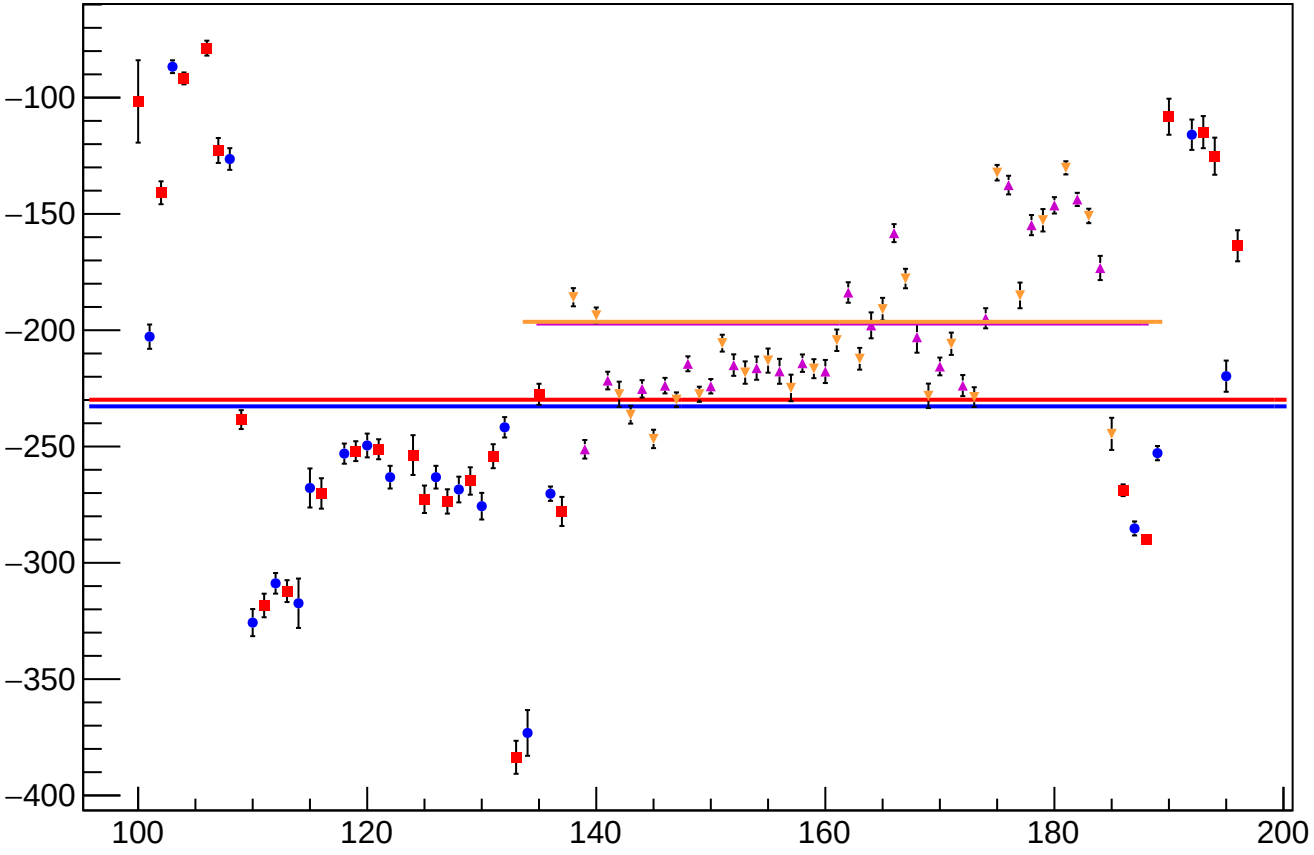
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.866+/-0.520 χ^2/NDF: 1129.6/44

All: -1.124+/-0.365 χ^2/NDF: 2358.0/92

- sign -1.377+/-0.514 χ^2/NDF: 1227.9/47

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -232.735+/-1.007 χ^2/NDF: 5240.3/19

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -229.876+/-0.818 χ^2/NDF: 9858.8/24

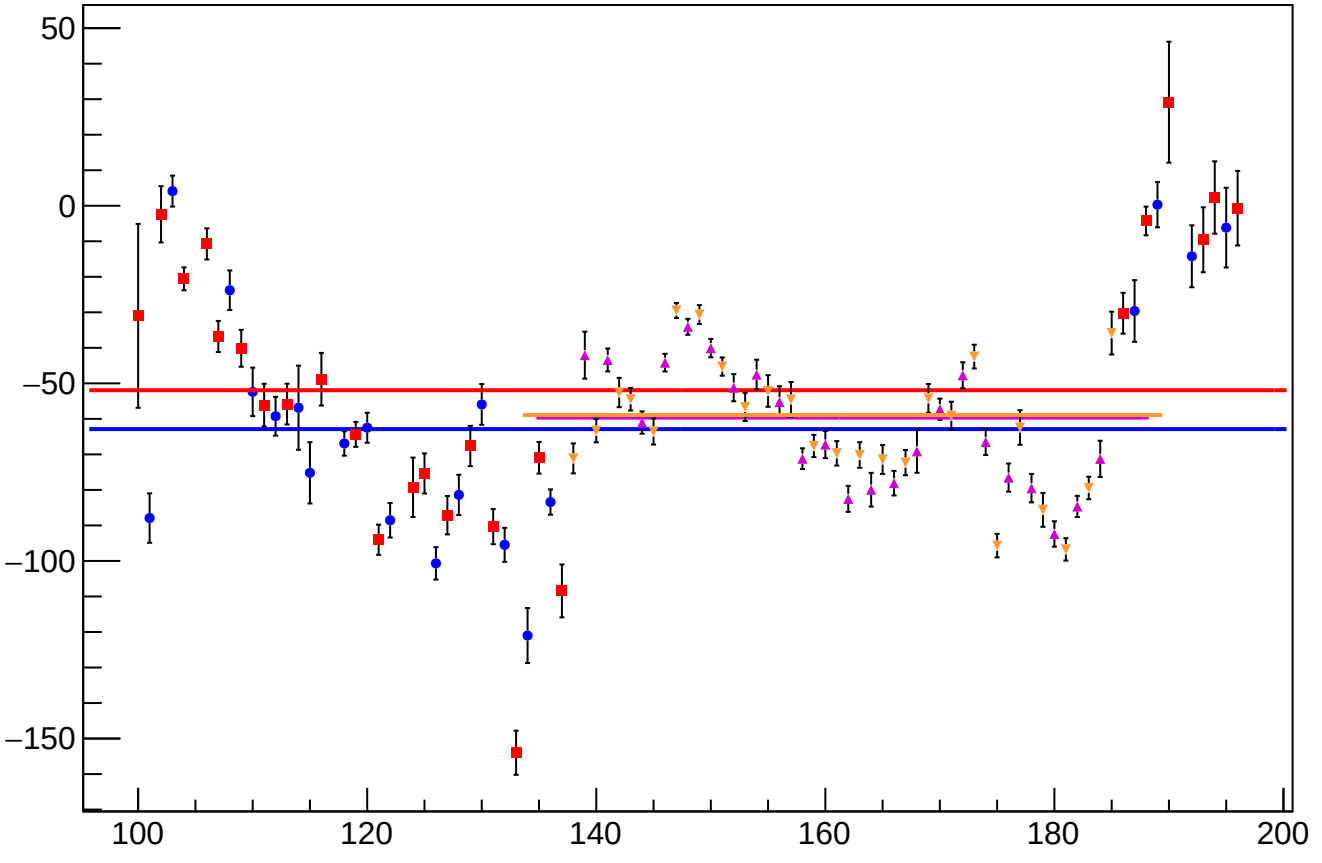
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.779+/-0.634 χ^2/NDF: 8024.6/44

All: -212.446+/-0.430 χ^2/NDF: 20280.5/92

- sign -213.867+/-0.585 χ^2/NDF: 12243.0/47

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -62.879+/-1.221 χ^2/NDF: 719.5/19

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -51.936+/-1.092 χ^2/NDF: 1084.3/24

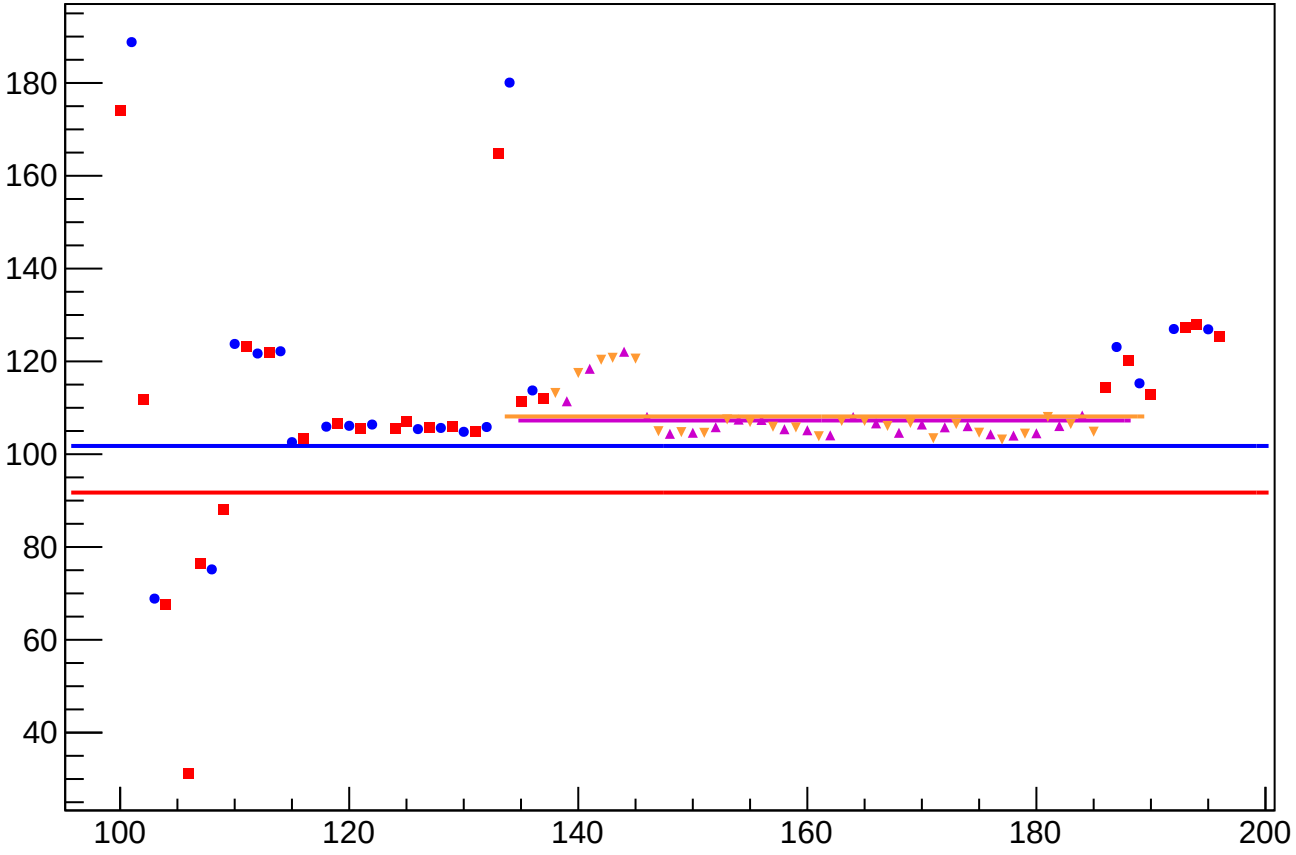
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.881+/-0.604 χ^2/NDF: 1510.0/44

All: -58.588+/-0.426 χ^2/NDF: 3235.1/92

- sign -57.311+/-0.600 χ^2/NDF: 1716.0/47

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 101.777+/-0.061 χ^2/NDF: 248632.5/19

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

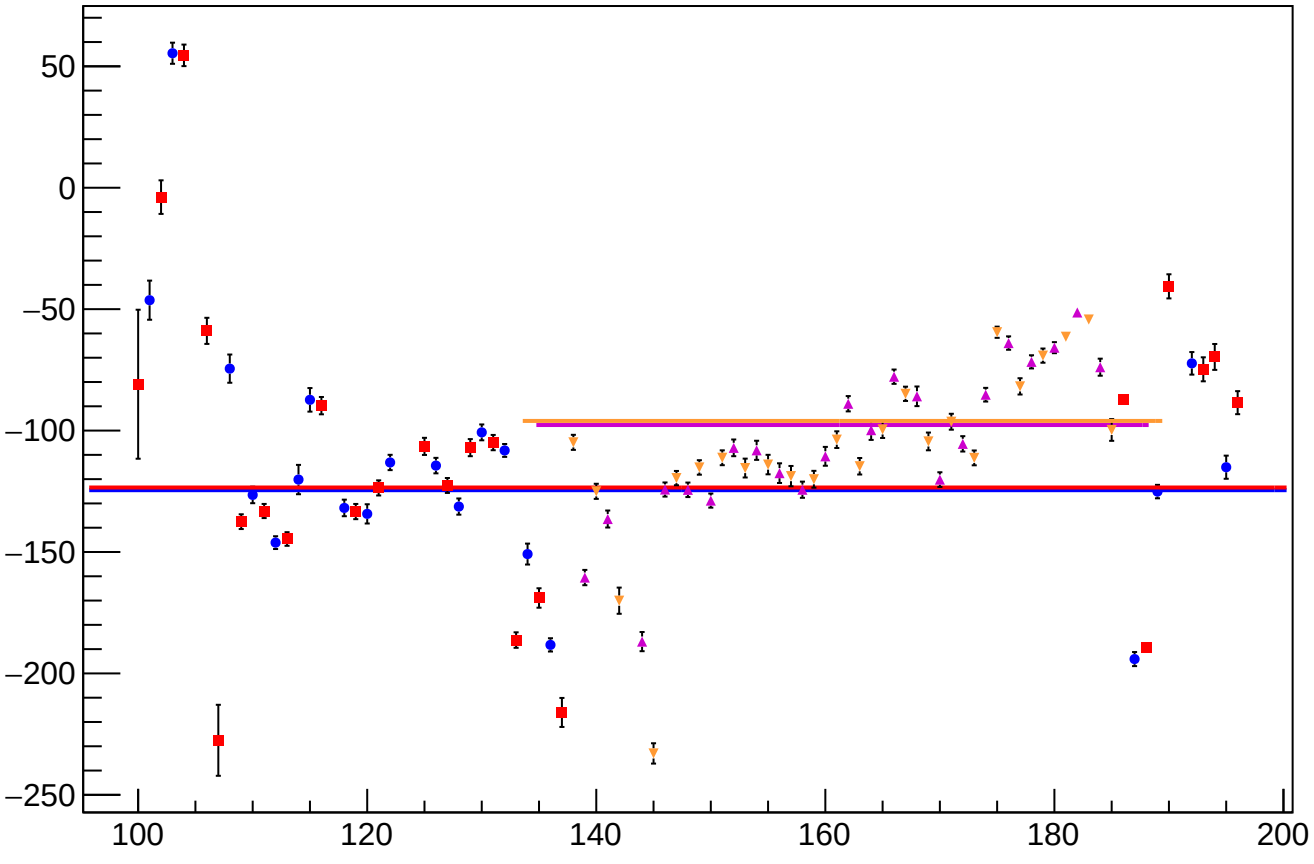
Right Out: 91.731+/-0.055 χ^2/NDF: 345685.3/24

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.744+/-0.029 χ^2/NDF: 283453.8/44

All: 104.909+/-0.020 χ^2/NDF: 713468.1/92

- sign 103.142+/-0.028 χ^2/NDF: 421978.6/47



Right In: -124.548+/-0.791 χ^2/NDF: 3421.0/19

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

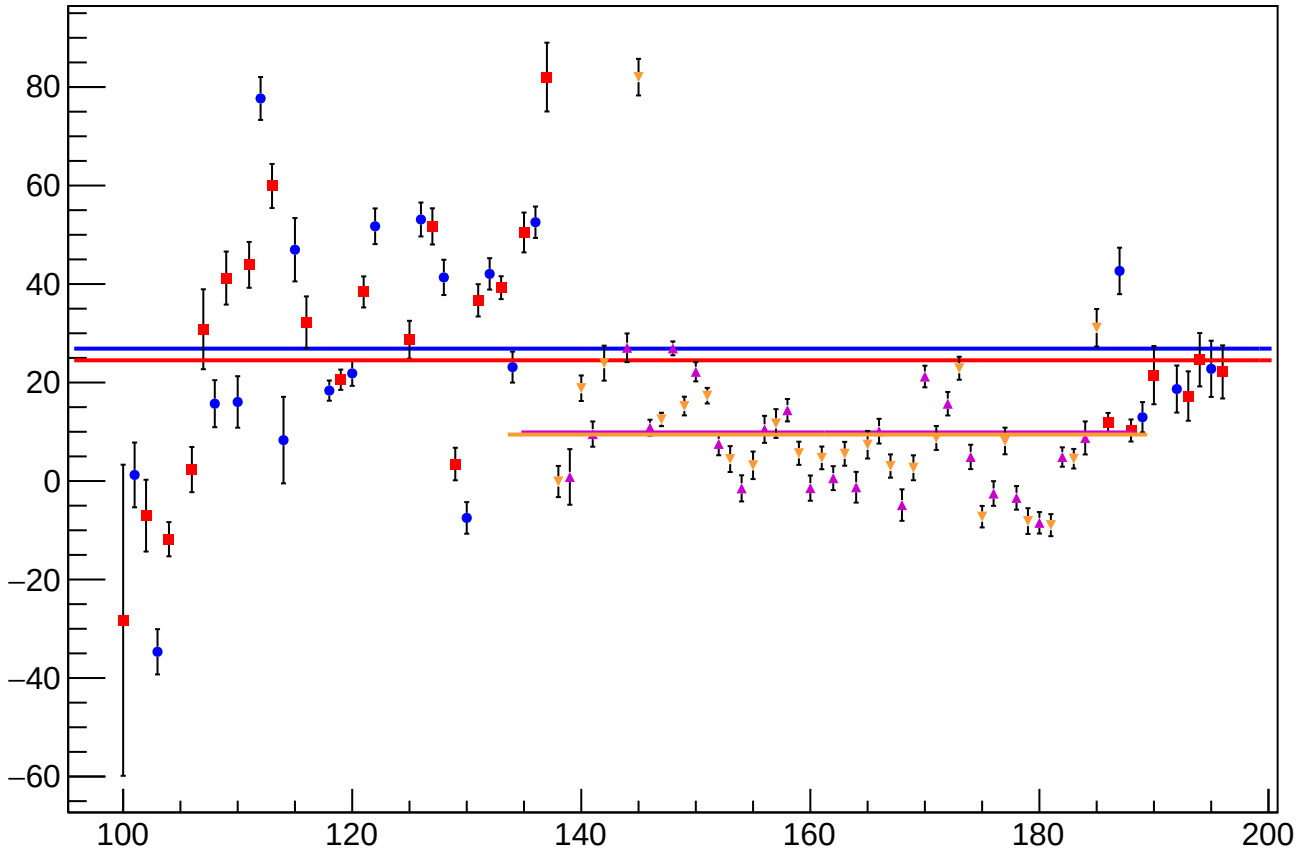
Right Out: -123.439+/-0.673 χ^2/NDF: 5776.8/23

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -107.209+/-0.495 χ^2/NDF: 6983.3/43

All: -108.647+/-0.338 χ^2/NDF: 16186.1/90

- sign -109.906+/-0.463 χ^2/NDF: 9187.0/46



Right In: 26.885+/-0.818 χ^2/NDF: 736.1/19

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

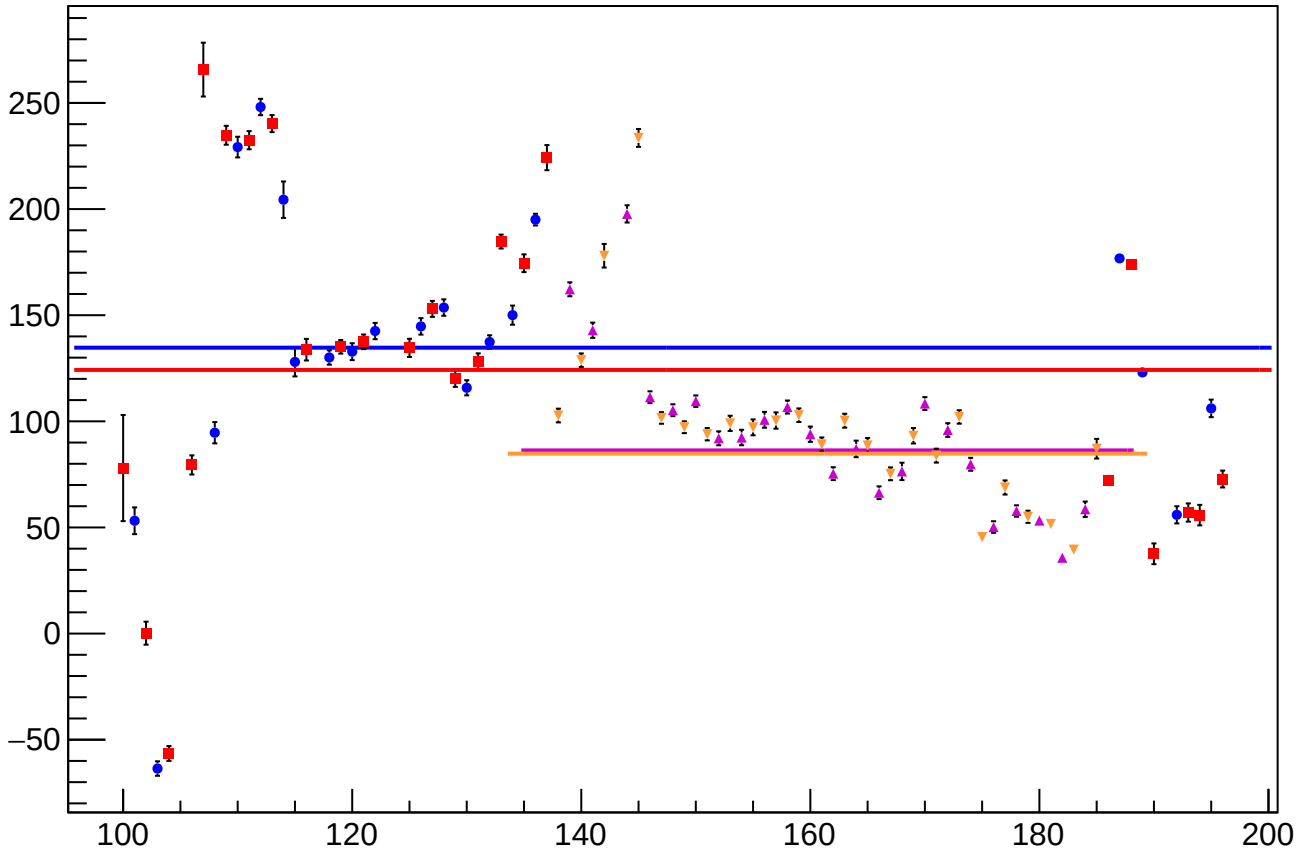
Right Out: 24.513+/-0.737 χ^2/NDF: 611.7/23

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.876+/-0.413 χ^2/NDF: 1811.3/43

All: 14.097+/-0.289 χ^2/NDF: 3184.1/90

- sign 14.312+/-0.406 χ^2/NDF: 1372.2/46



Right In: 134.701+/-0.822 χ^2/NDF: 6228.9/19

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

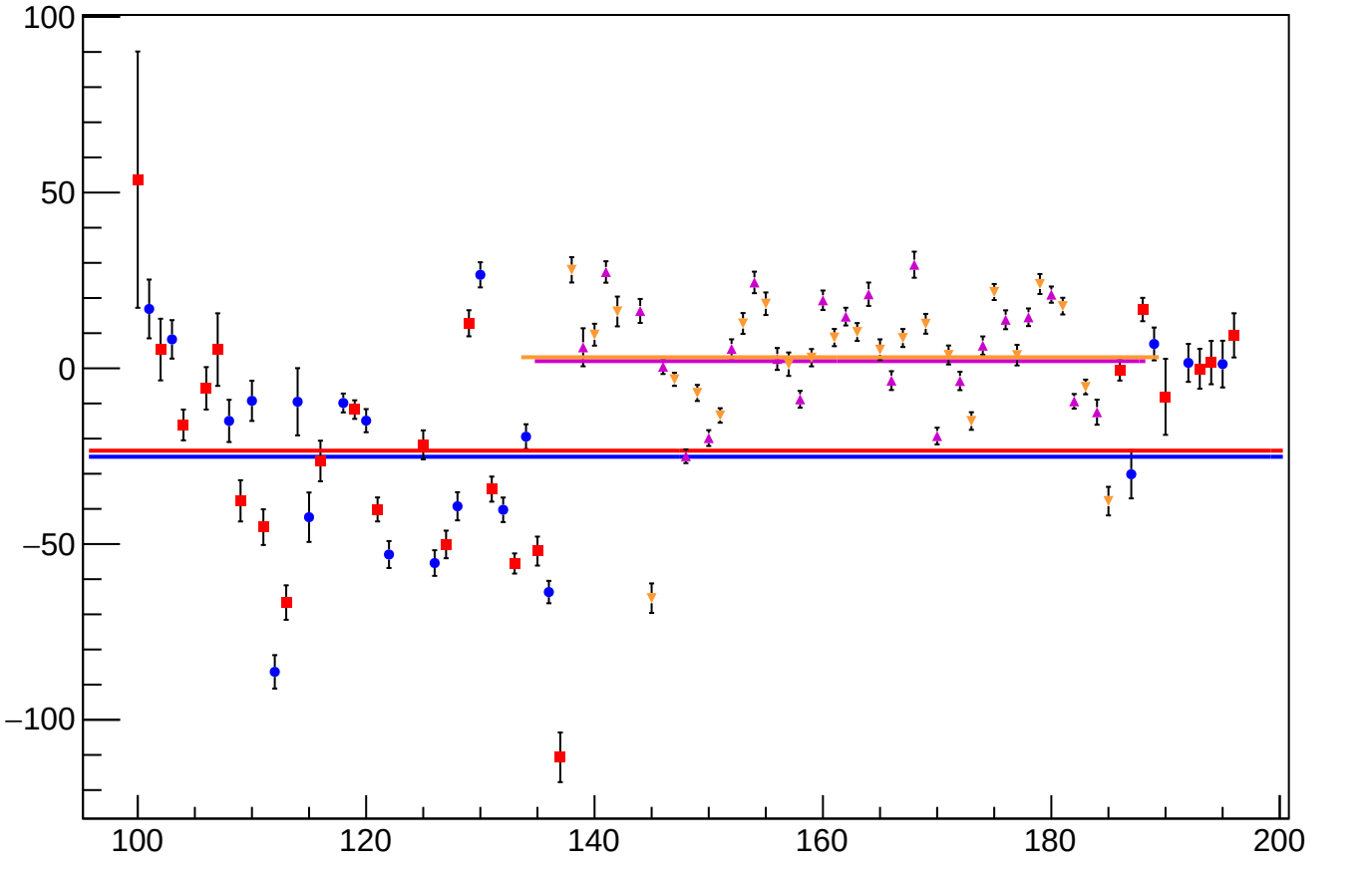
Right Out: 124.217+/-0.651 χ^2/NDF: 10282.8/23

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.203+/-0.500 χ^2/NDF: 11666.7/43

All: 104.023+/-0.336 χ^2/NDF: 26854.5/90

\- sign 104.697+/-0.453 χ^2/NDF: 15182.9/46



Right In: -25.166+/-0.962 χ^2/NDF: 887.9/19

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

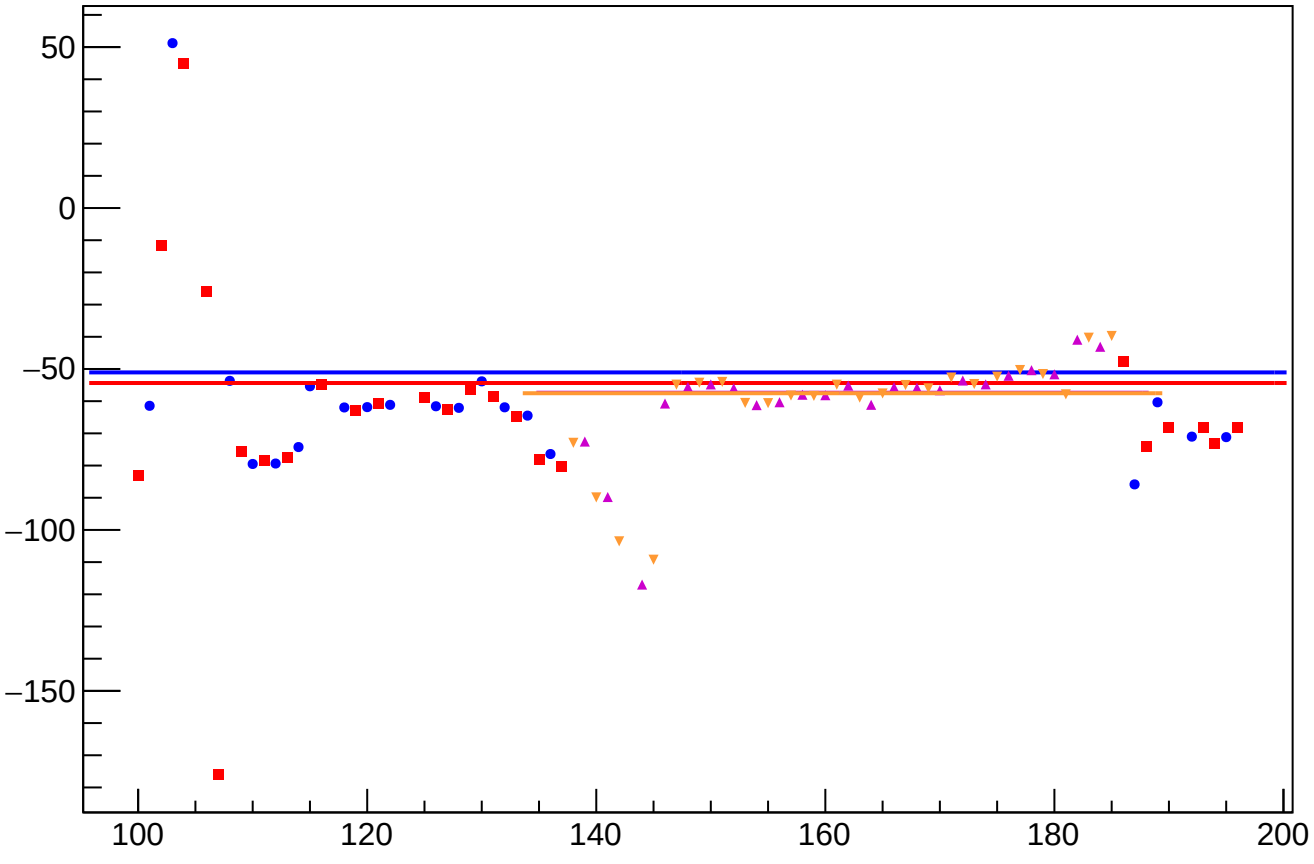
Right Out: -23.433+/-0.898 χ^2/NDF: 925.7/23

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.707+/-0.473 χ^2/NDF: 2358.6/43

All: -4.321+/-0.333 χ^2/NDF: 4723.9/90

\- sign -4.925+/-0.470 χ^2/NDF: 2361.9/46



Right In: -51.063+/-0.052 χ^2/NDF: 619041.6/19

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.356+/-0.049 χ^2/NDF: 549452.1/23

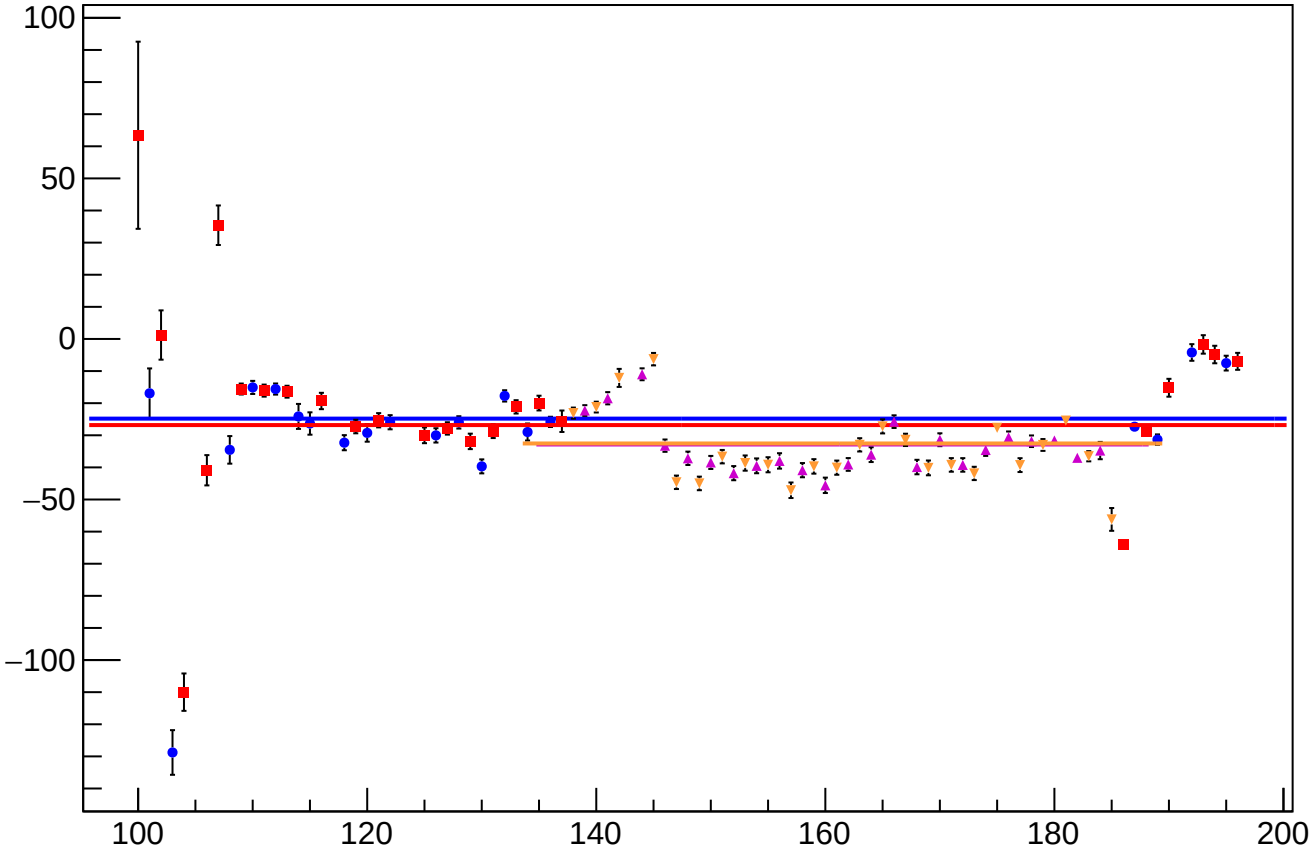
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.343+/-0.022 χ^2/NDF: 898610.0/43

All: -56.559+/-0.016 χ^2/NDF: 1678377.8/90

- 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: -24.810+/-0.495 χ^2/NDF: 504.2/19

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

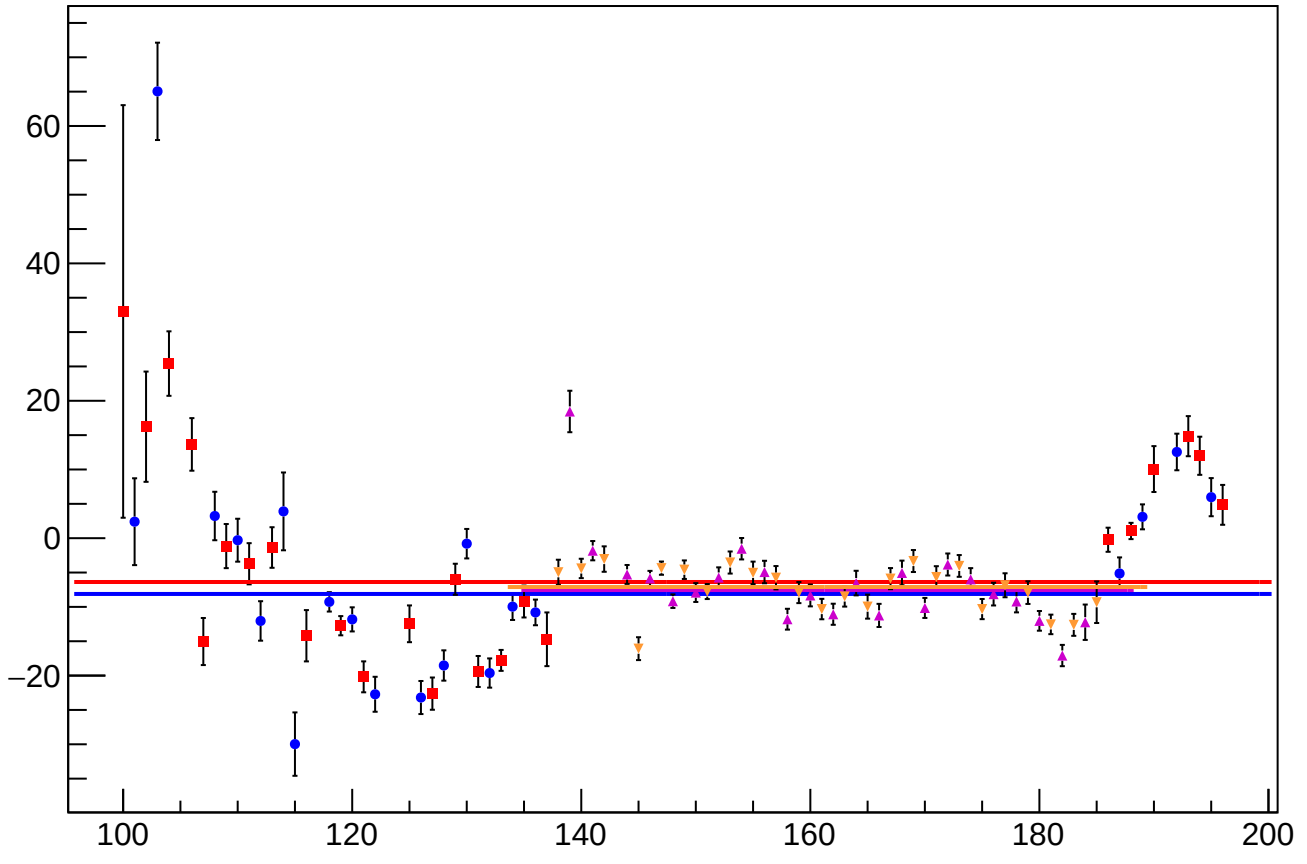
Right Out: -26.820+/-0.431 χ^2/NDF: 1386.4/23

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.434+/-0.314 χ^2/NDF: 1253.6/43

All: -29.726+/-0.216 χ^2/NDF: 3117.8/90

- sign -29.987+/-0.298 χ^2/NDF: 1862.6/46



Right In: -8.118+/-0.532 χ^2/NDF: 424.1/19

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

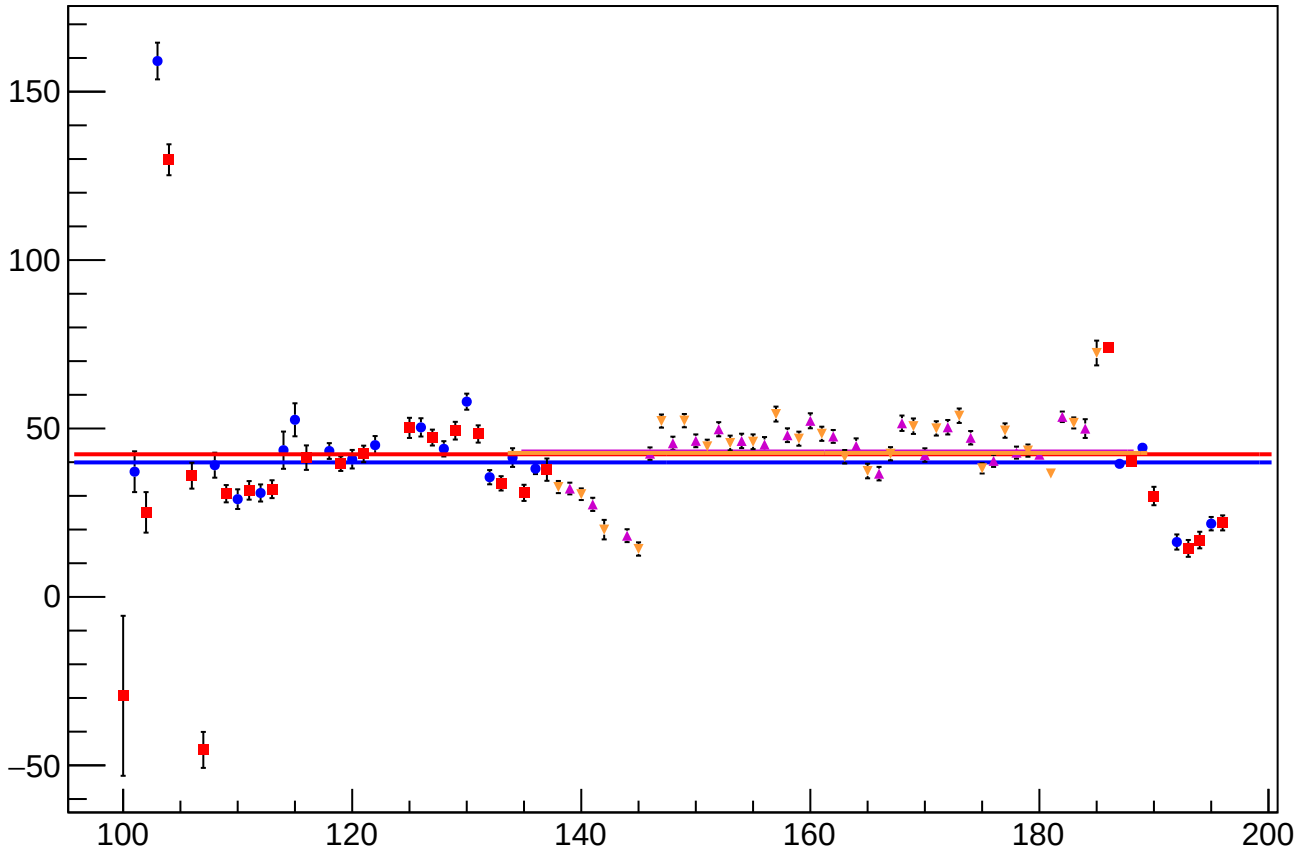
Right Out: -6.376+/-0.488 χ^2/NDF: 494.4/23

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.364+/-0.267 χ^2/NDF: 536.2/43

All: -7.282+/-0.188 χ^2/NDF: 1234.6/90

- sign -7.202+/-0.265 χ^2/NDF: 698.2/46



Right In: 39.934+/-0.507 χ^2/NDF: 803.5/19

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

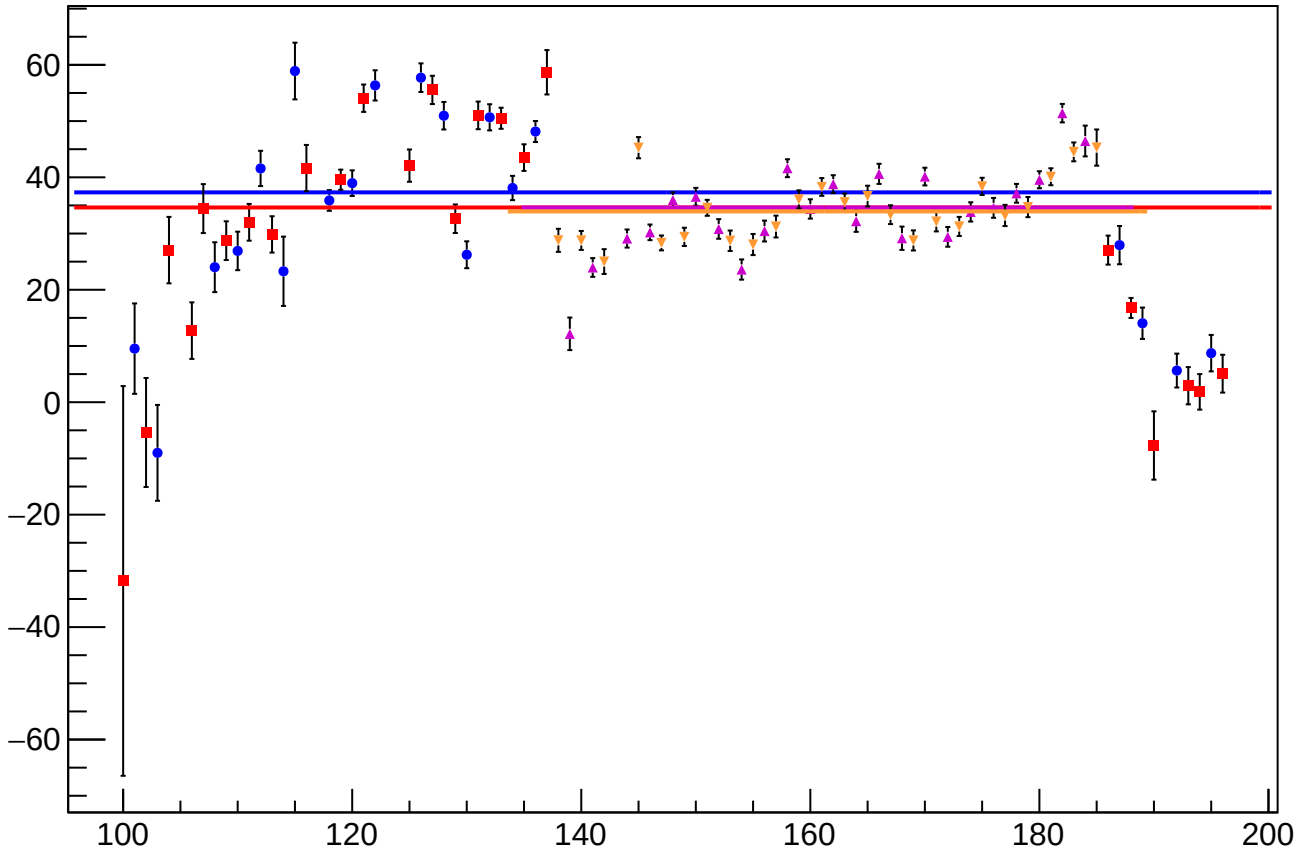
Right Out: 42.345+/-0.418 χ^2/NDF: 1906.6/23

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.655+/-0.316 χ^2/NDF: 1453.9/43

All: 42.255+/-0.214 χ^2/NDF: 3782.2/90

- sign 42.768+/-0.292 χ^2/NDF: 2321.6/46



Right In: 37.323+/-0.625 χ^2/NDF: 585.4/19

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

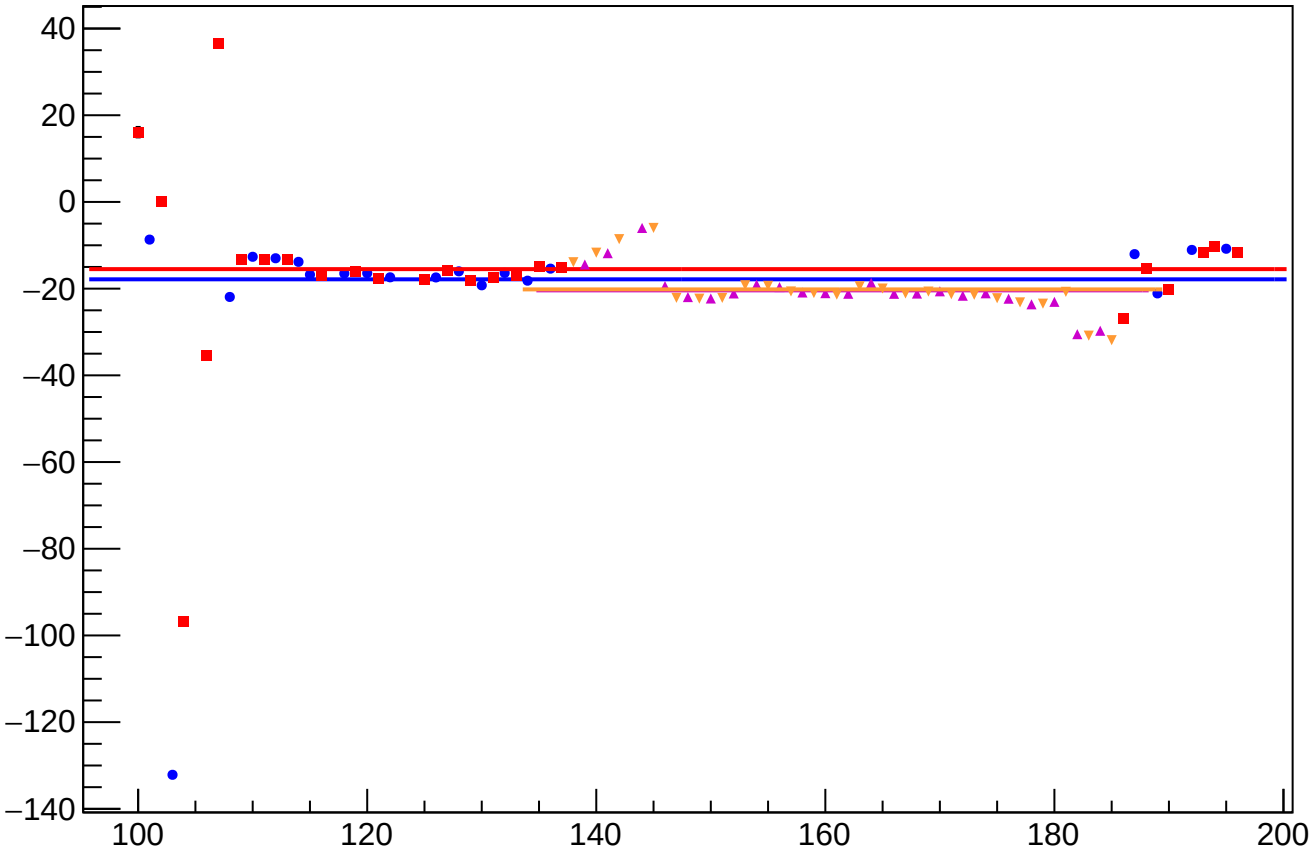
Right Out: 34.634+/-0.593 χ^2/NDF: 799.2/23

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 34.743+/-0.306 χ^2/NDF: 824.4/43

All: 34.684+/-0.216 χ^2/NDF: 1999.7/90

\- sign 34.626+/-0.305 χ^2/NDF: 1175.2/46



Right In: -17.851+/-0.034 χ^2/NDF: 261086.4/19

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

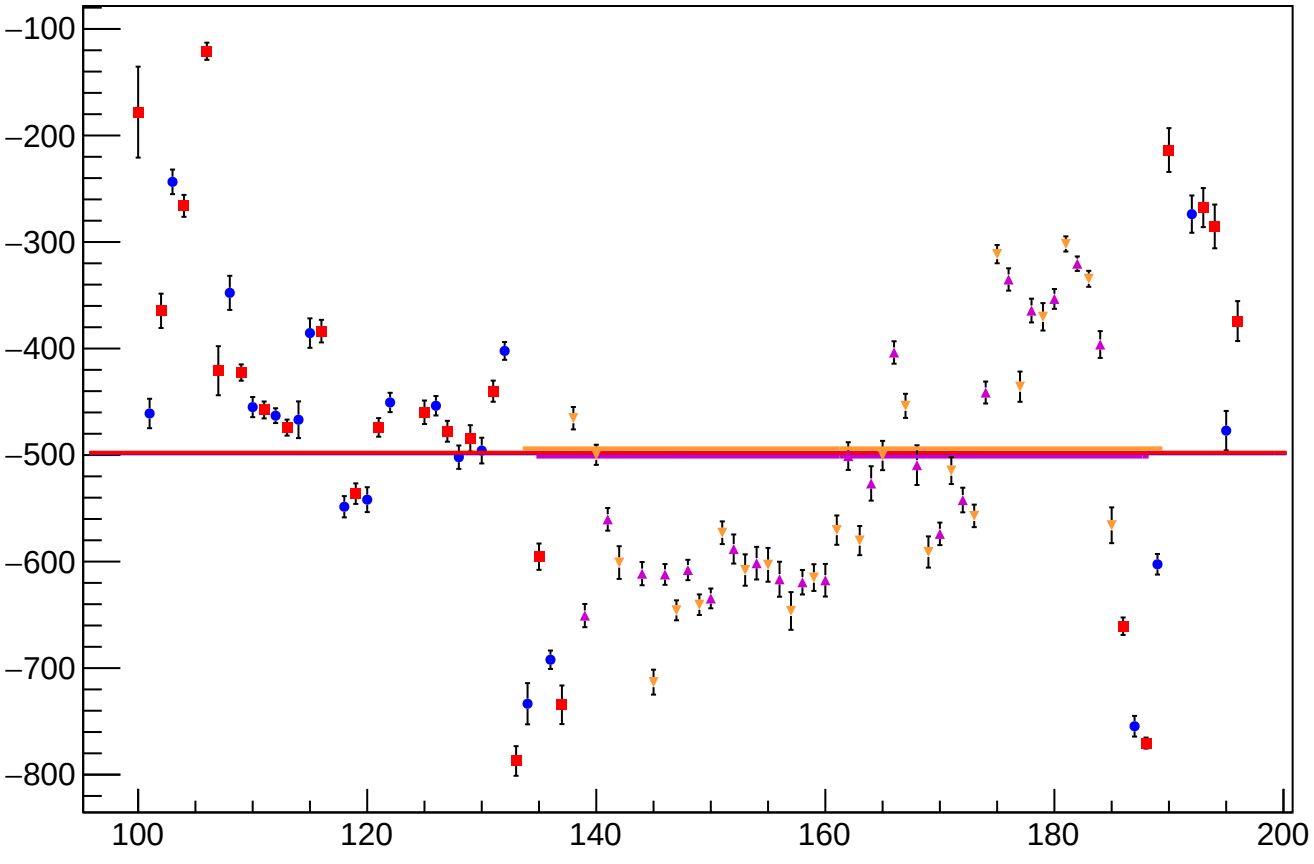
Right Out: -15.497+/-0.032 χ^2/NDF: 216587.9/23

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.761+/-0.014 χ^2/NDF: 364886.6/43

All: -19.595+/-0.010 χ^2/NDF: 681854.7/90

- sign -19.432+/-0.014 χ^2/NDF: 316700.6/46



Right In: -498.342+/-2.413 χ^2/NDF: 2554.1/19

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

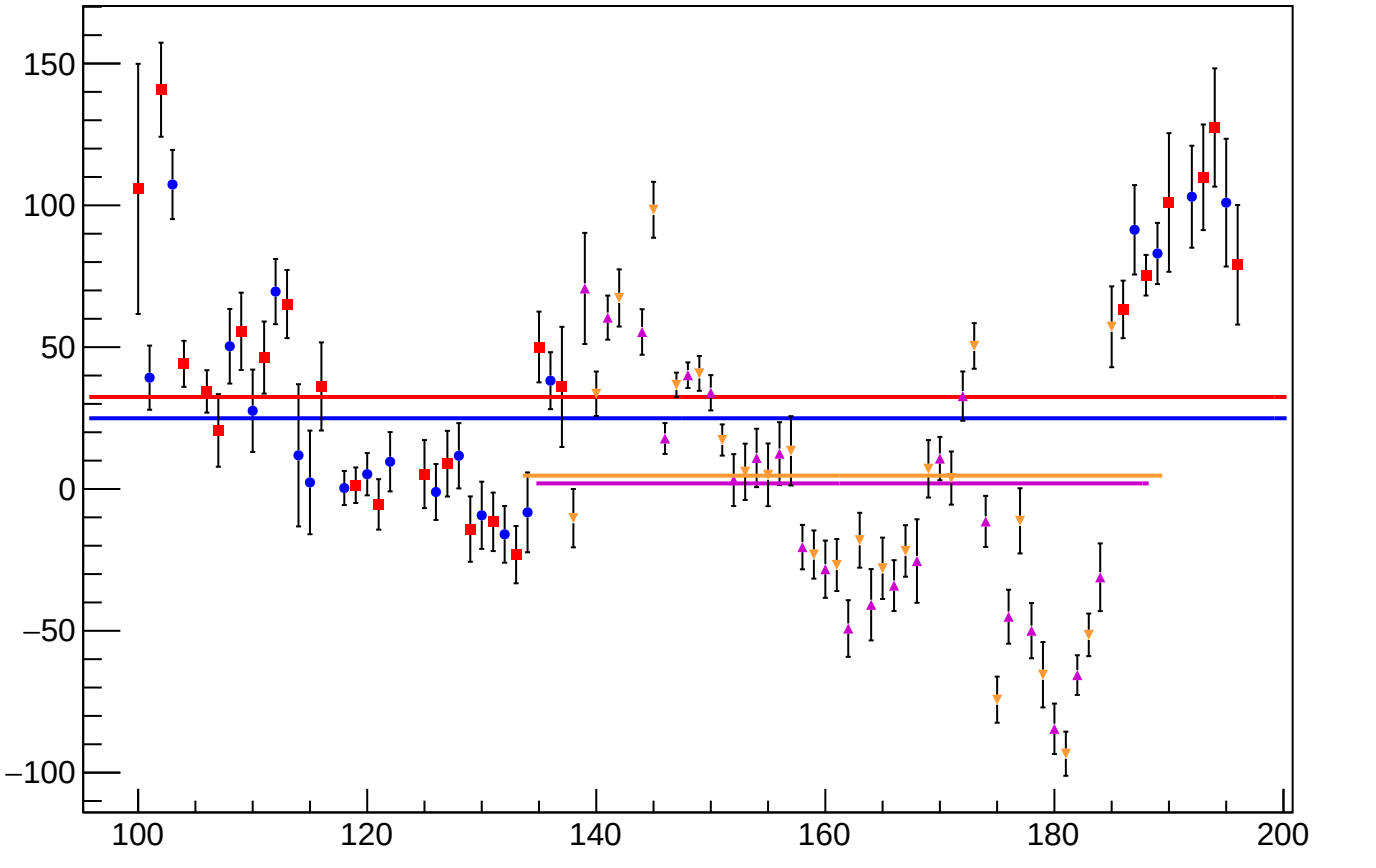
Right Out: -497.780+/-2.096 χ^2/NDF: 7502.8/23

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -495.917+/-1.663 χ^2/NDF: 5706.0/43

All: -497.795+/-1.134 χ^2/NDF: 15901.9/90

- sign -499.429+/-1.551 χ^2/NDF: 10193.5/46



Right In: 24.935+/-2.503 χ^2/NDF: 211.4/19

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 32.434+/-2.280 χ^2/NDF: 275.0/23

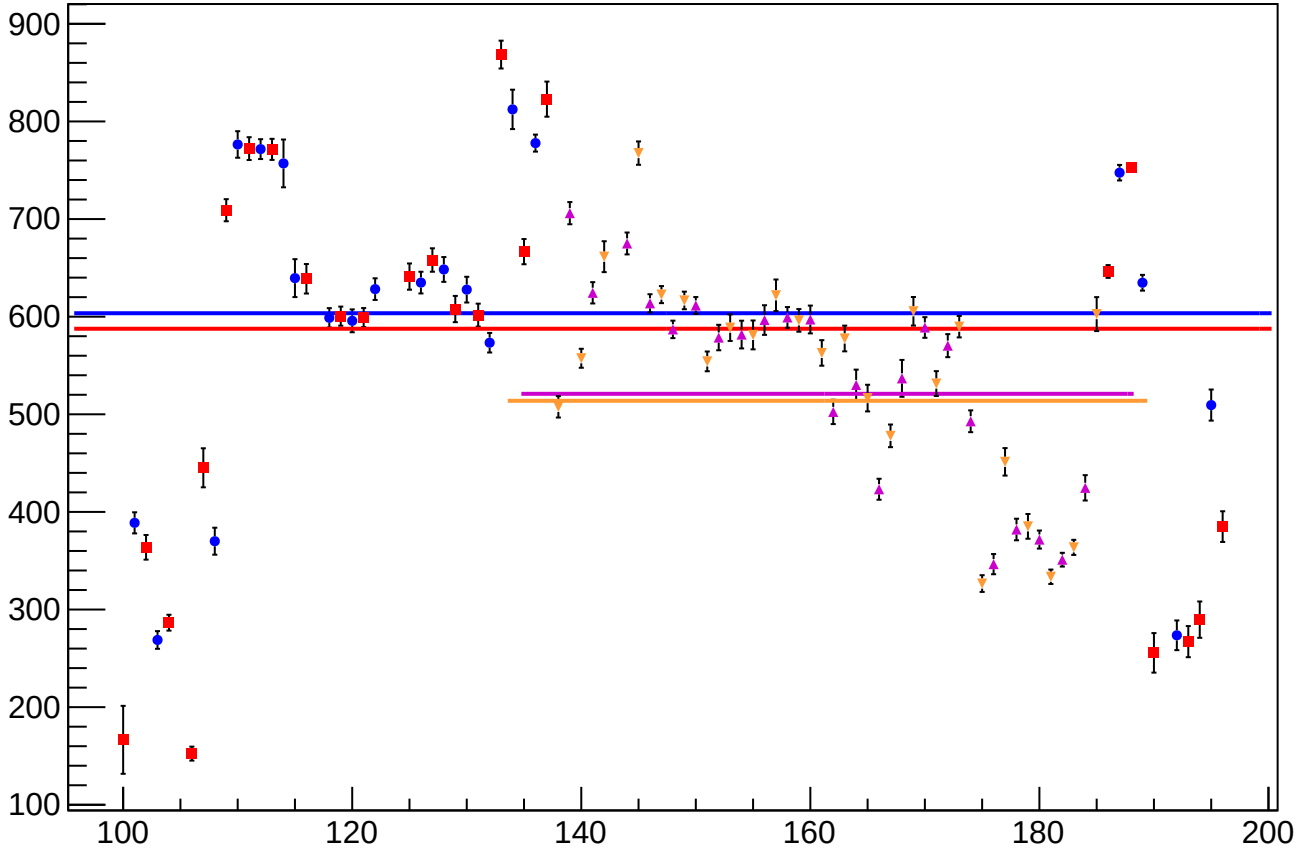
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 11.071+/-1.404 χ^2/NDF: 936.5/43

All: 12.073+/-0.982 χ^2/NDF: 1887.0/90

\- sign 13.034+/-1.374 χ^2/NDF: 949.5/46

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 603.536+/-2.533 χ^2/NDF: 3913.6/19

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

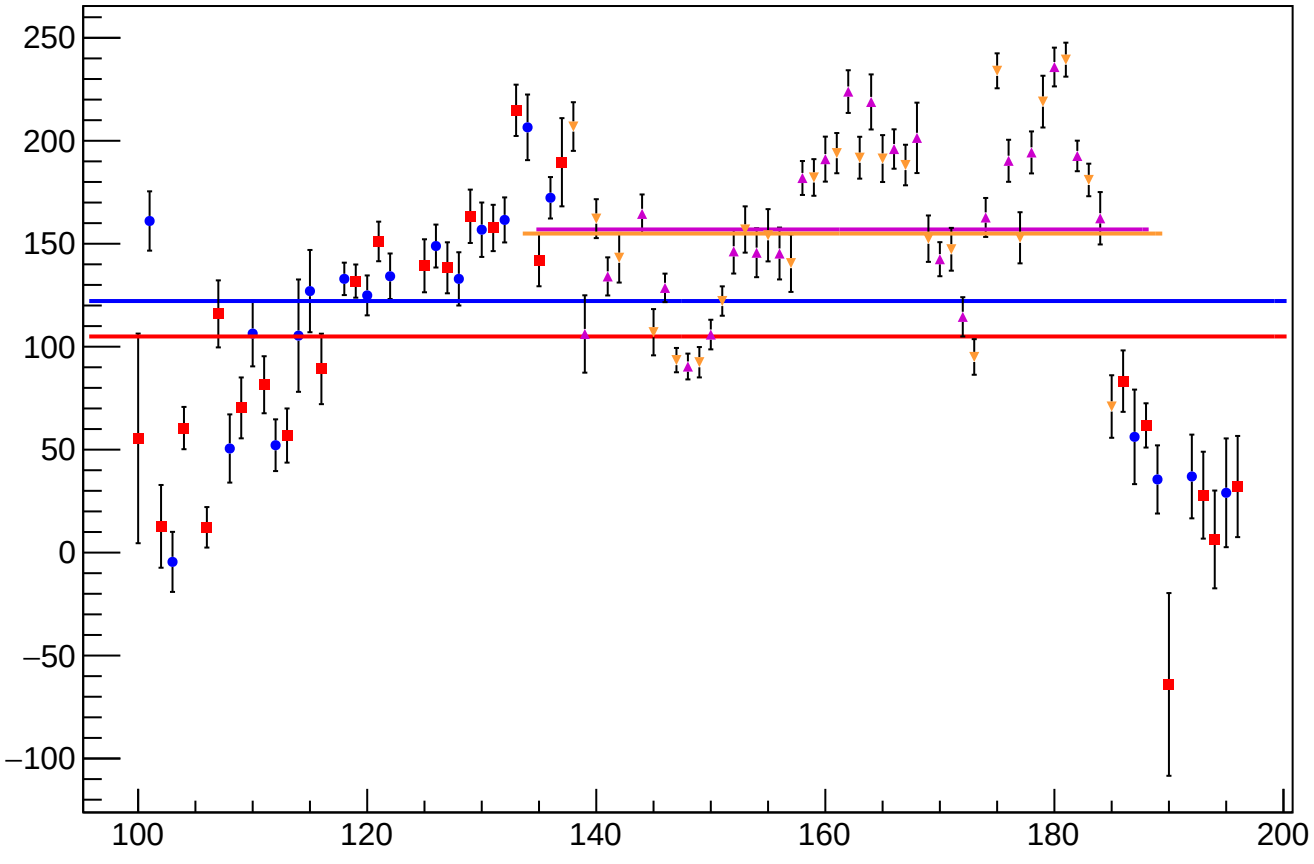
Right Out: 587.647+/-2.097 χ^2/NDF: 9652.5/23

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 553.922+/-1.693 χ^2/NDF: 7342.8/43

All: 555.683+/-1.141 χ^2/NDF: 19902.3/90

- sign 557.149+/-1.544 χ^2/NDF: 12557.6/46



Right In: 122.175+/-2.952 χ^2/NDF: 282.7/19

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

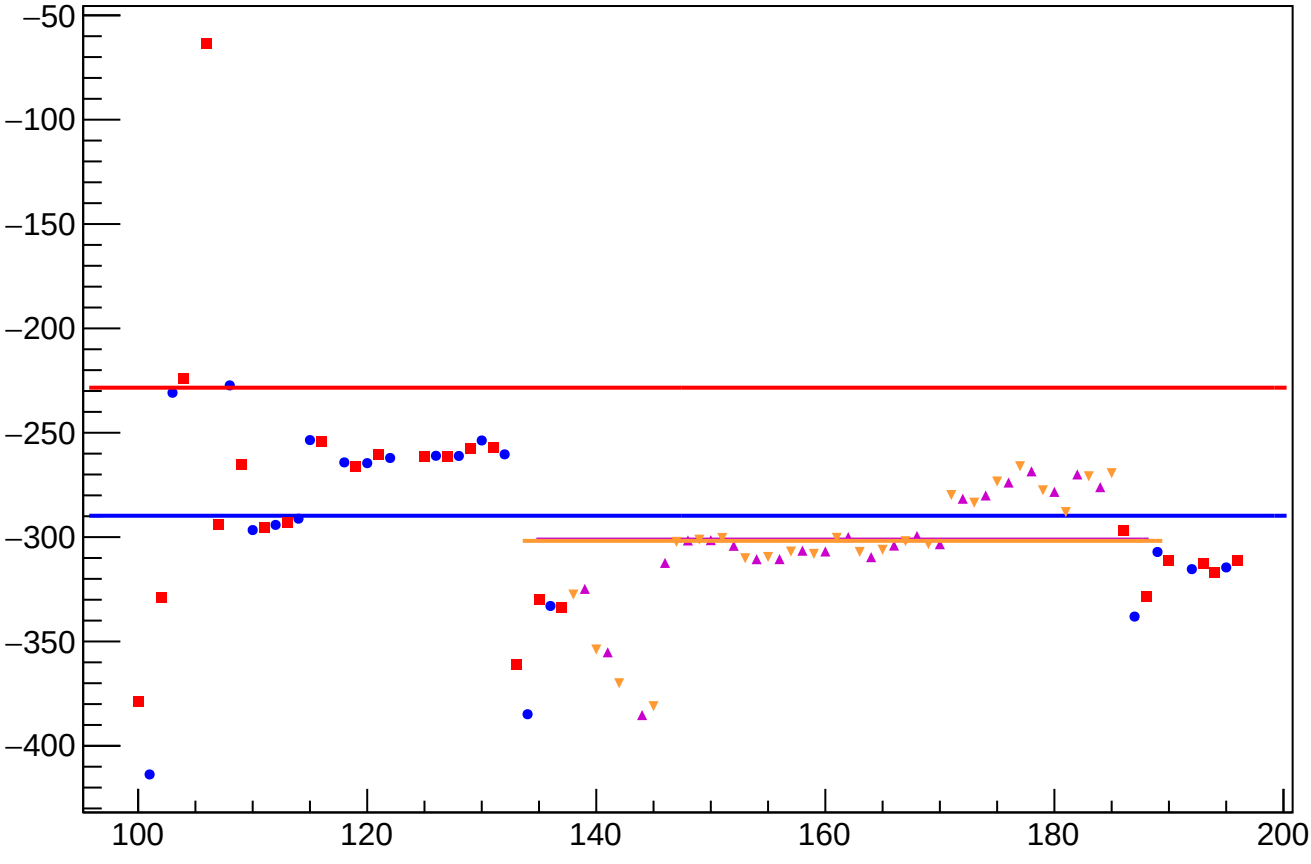
Right Out: 104.962+/-2.750 χ^2/NDF: 417.4/23

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 144.967+/-1.629 χ^2/NDF: 977.4/43

All: 142.083+/-1.142 χ^2/NDF: 2080.1/90

- sign 139.294+/-1.602 χ^2/NDF: 1096.5/46



Right In: -289.762+/-0.162 χ^2/NDF: 109615.0/19

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -228.398+/-0.134 χ^2/NDF: 638087.2/23

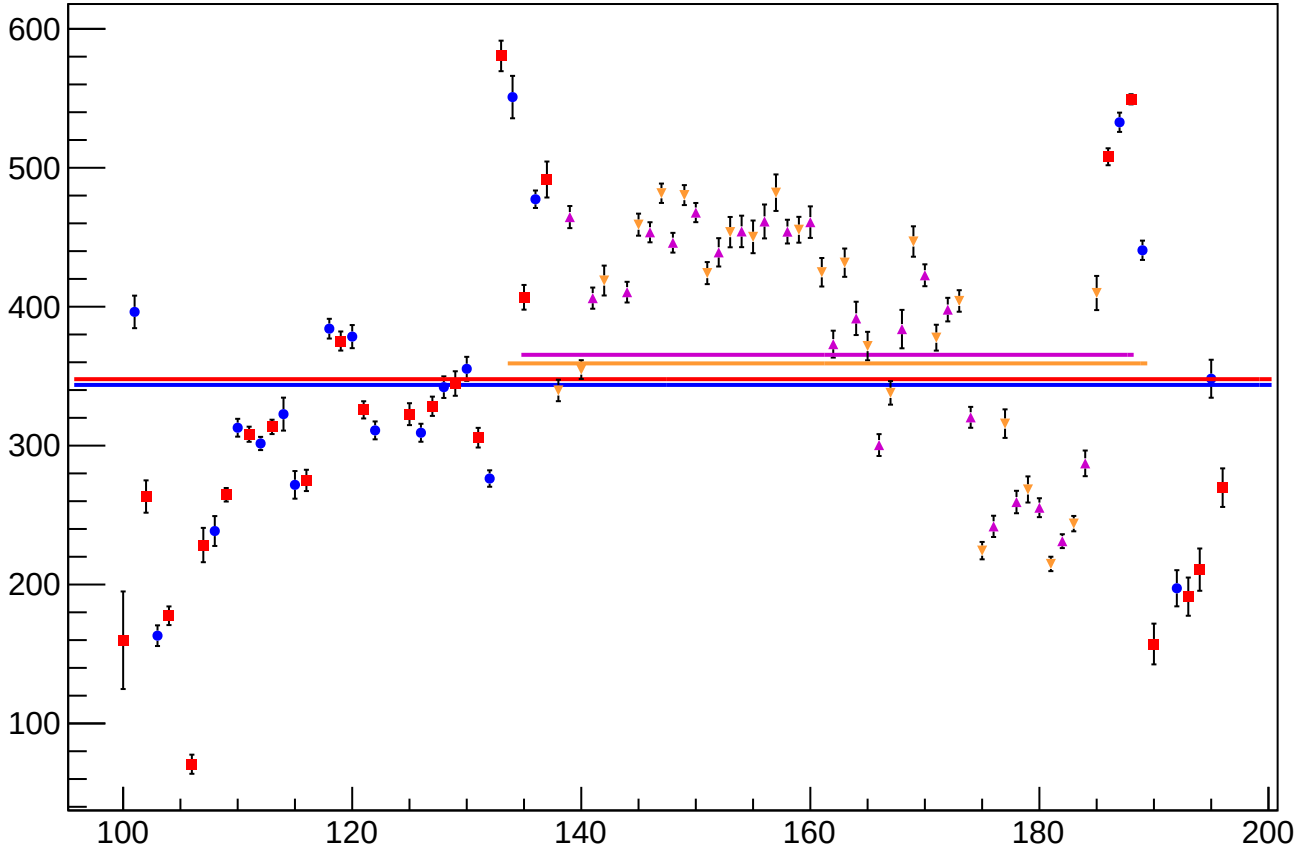
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.919+/-0.079 χ^2/NDF: 200515.0/43

All: -288.140+/-0.054 χ^2/NDF: 1152091.1/90

- sign -278.551+/-0.075 χ^2/NDF: 916602.4/46

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 343.702+/-1.708 χ^2/NDF: 2796.4/19

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

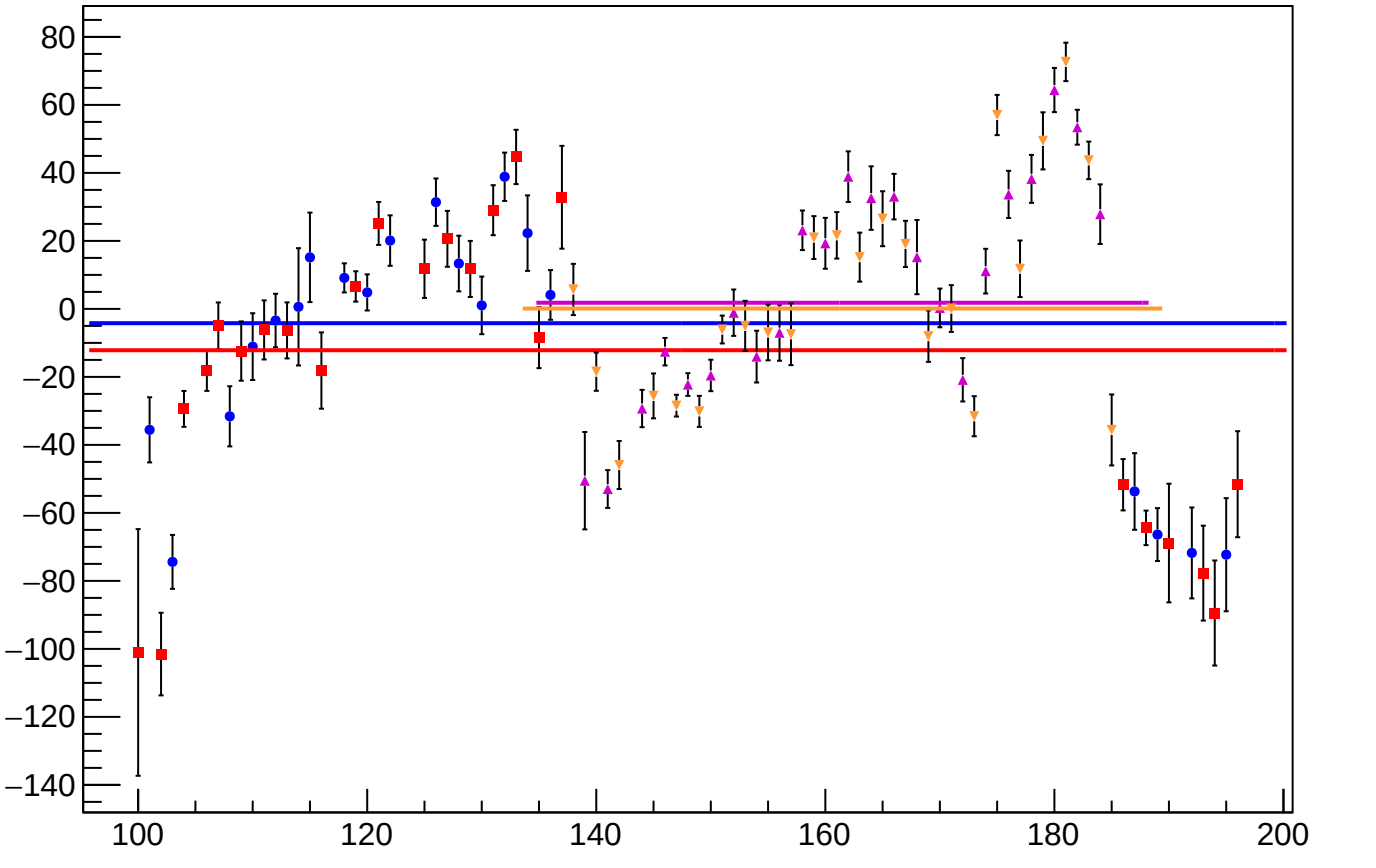
Right Out: 347.834+/-1.485 χ^2/NDF: 7763.8/23

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.567+/-1.198 χ^2/NDF: 6026.1/43

All: 353.650+/-0.817 χ^2/NDF: 16595.7/90

- sign 355.456+/-1.116 χ^2/NDF: 10563.9/46



Right In: -4.205+/-1.788 χ^2/NDF: 324.9/19

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -12.155+/-1.612 χ^2/NDF: 447.5/23

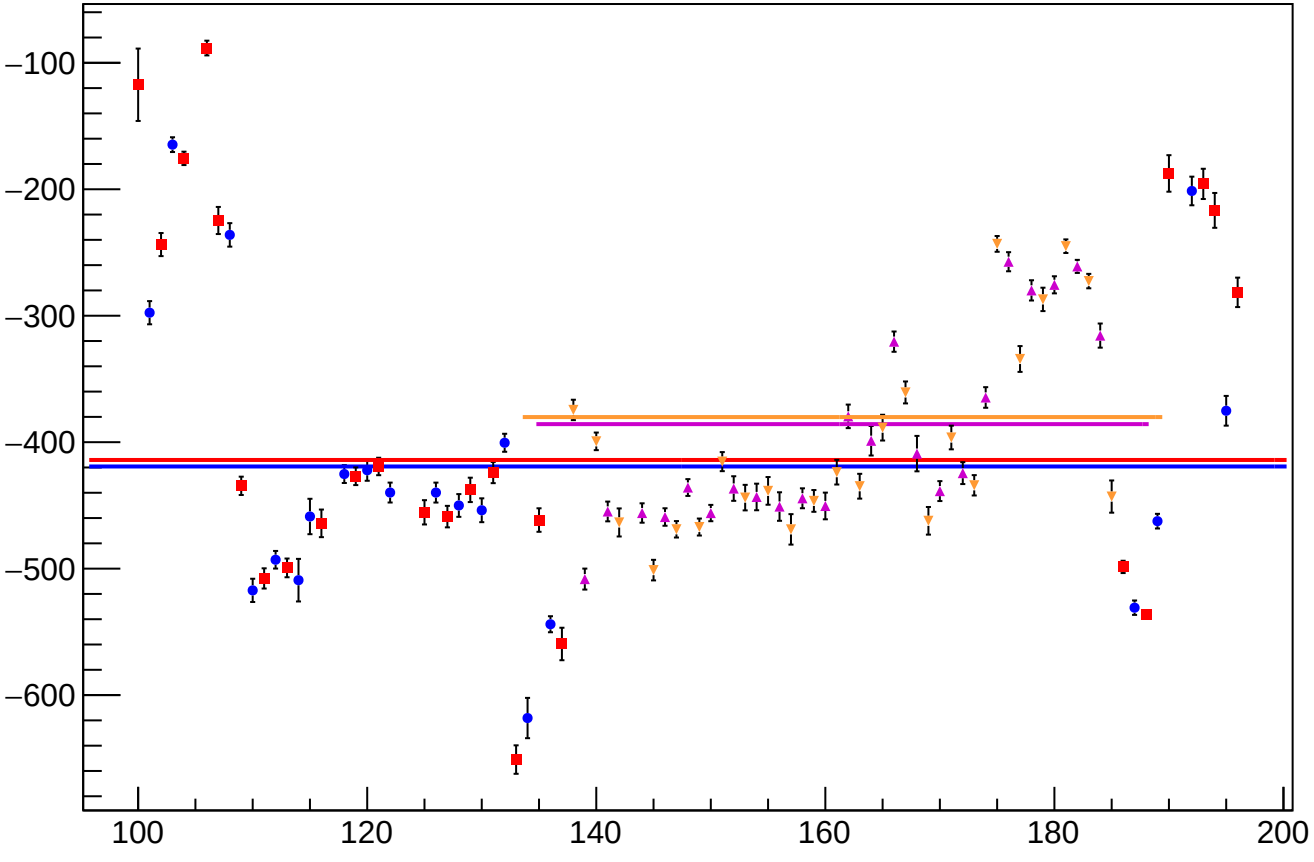
Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -1.299+/-1.023 χ^2/NDF: 966.7/43

All: -2.439+/-0.714 χ^2/NDF: 2040.0/90

\- sign -3.521+/-0.996 χ^2/NDF: 1070.9/46

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -419.216+/-1.802 χ^2/NDF: 4136.3/19

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

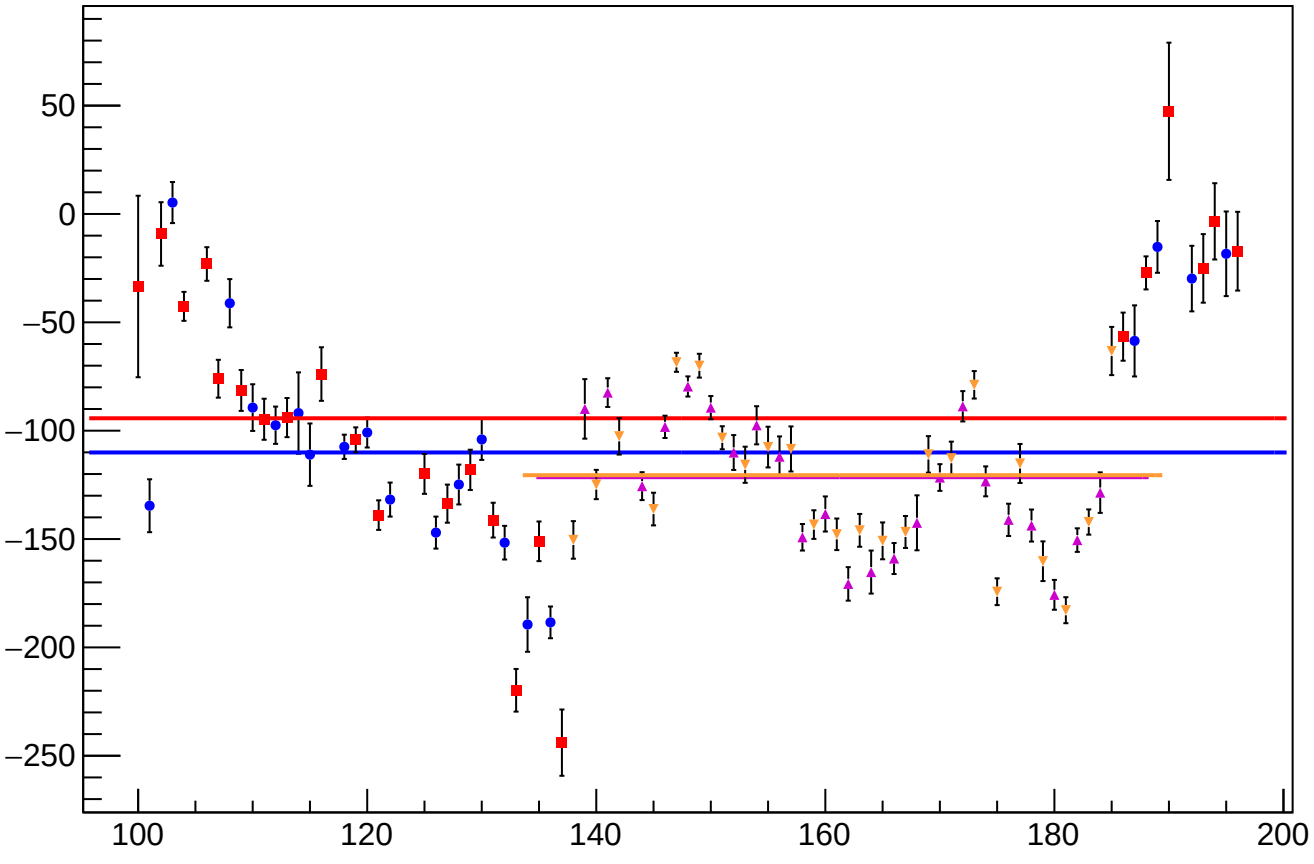
Right Out: -414.069+/-1.494 χ^2/NDF: 9836.1/23

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -398.198+/-1.225 χ^2/NDF: 7008.0/43

All: -400.018+/-0.825 χ^2/NDF: 19368.6/90

- sign -401.527+/-1.115 χ^2/NDF: 12356.6/46



Right In: -110.051+/-2.106 χ^2/NDF: 541.0/19

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

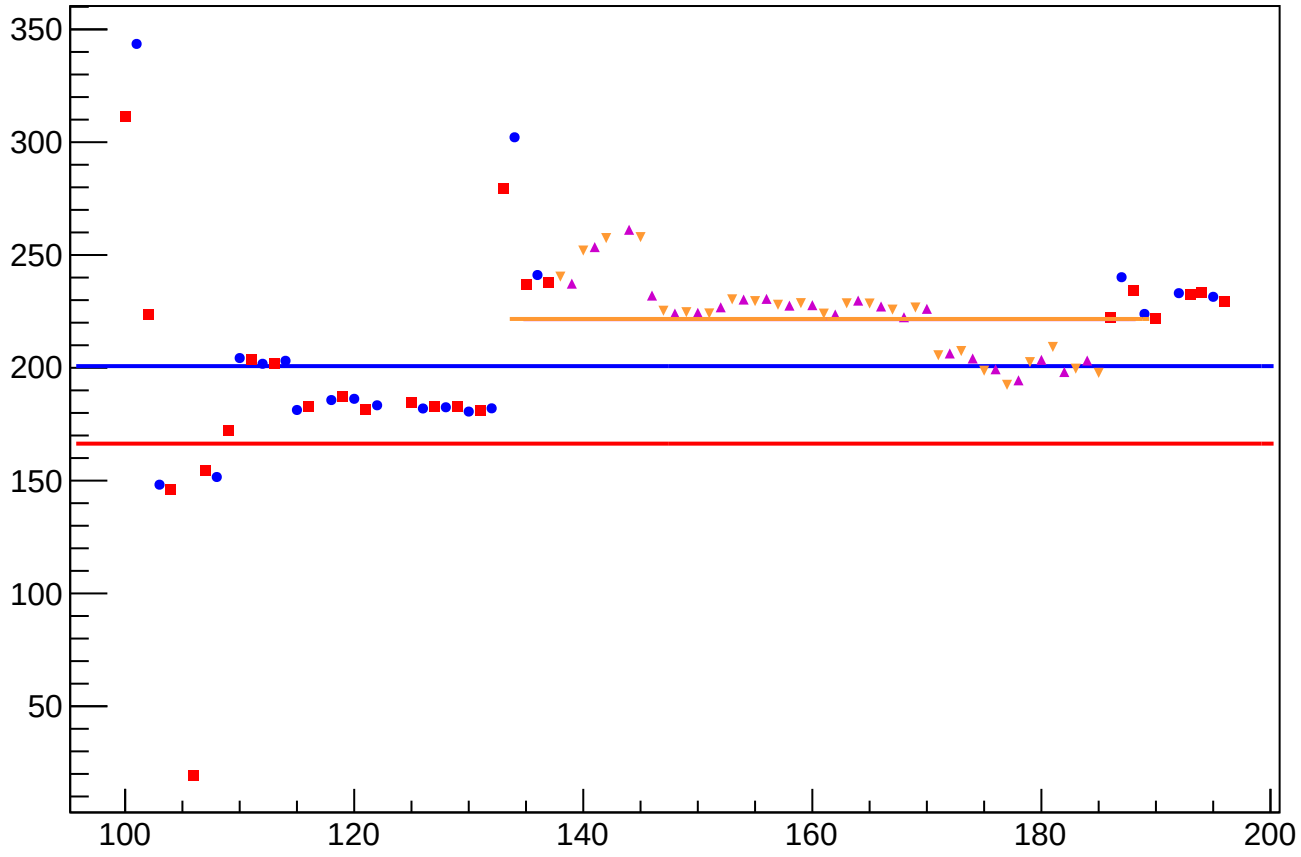
Right Out: -94.271+/-1.941 χ^2/NDF: 773.1/23

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -117.215+/-1.186 χ^2/NDF: 1169.5/43

All: -114.411+/-0.830 χ^2/NDF: 2512.0/90

- sign -111.722+/-1.162 χ^2/NDF: 1331.6/46



Right In: 200.750+/-0.115 χ^2/NDF: 189609.1/19

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 166.393+/-0.099 χ^2/NDF: 602133.7/23

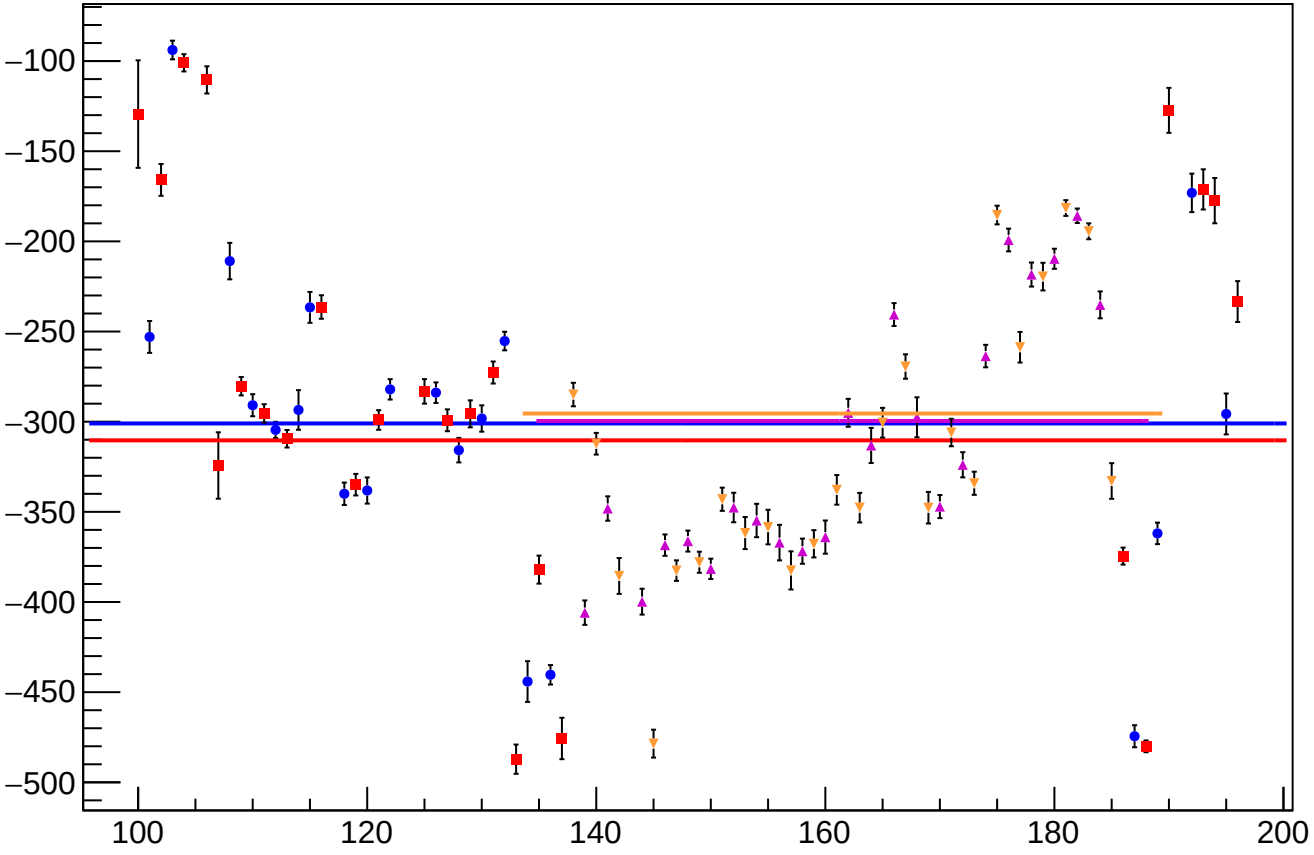
Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.377+/-0.058 χ^2/NDF: 281618.7/43

All: 210.178+/-0.040 χ^2/NDF: 1182537.6/90

- sign 204.527+/-0.055 χ^2/NDF: 878817.1/46

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -300.975+/-1.480 χ^2/NDF: 3822.2/19

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -310.357+/-1.311 χ^2/NDF: 7342.9/23

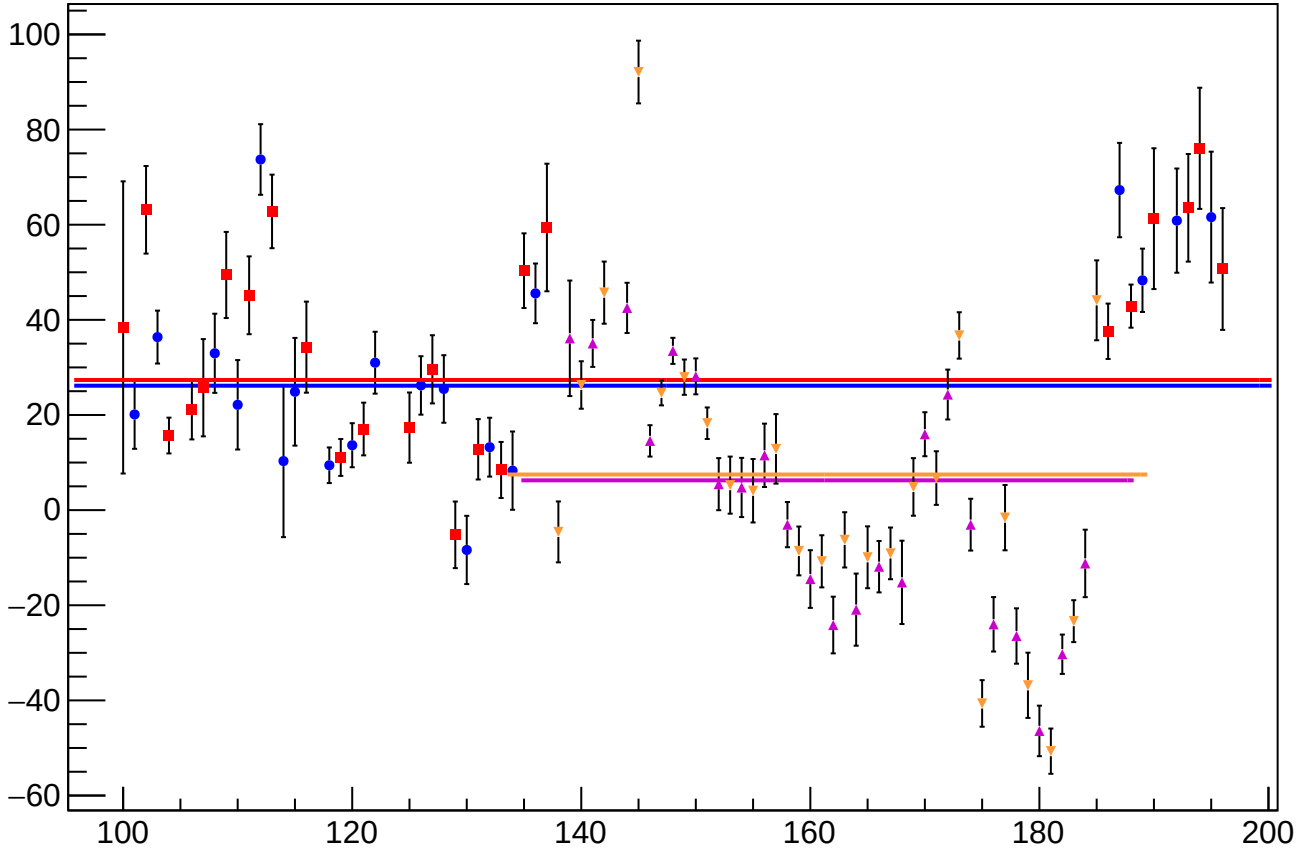
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.053+/-1.014 χ^2/NDF: 7175.8/43

All: -301.899+/-0.696 χ^2/NDF: 17549.3/90

- 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: 26.157+/-1.530 χ^2/NDF: 161.5/19

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.357+/-1.402 χ^2/NDF: 180.9/23

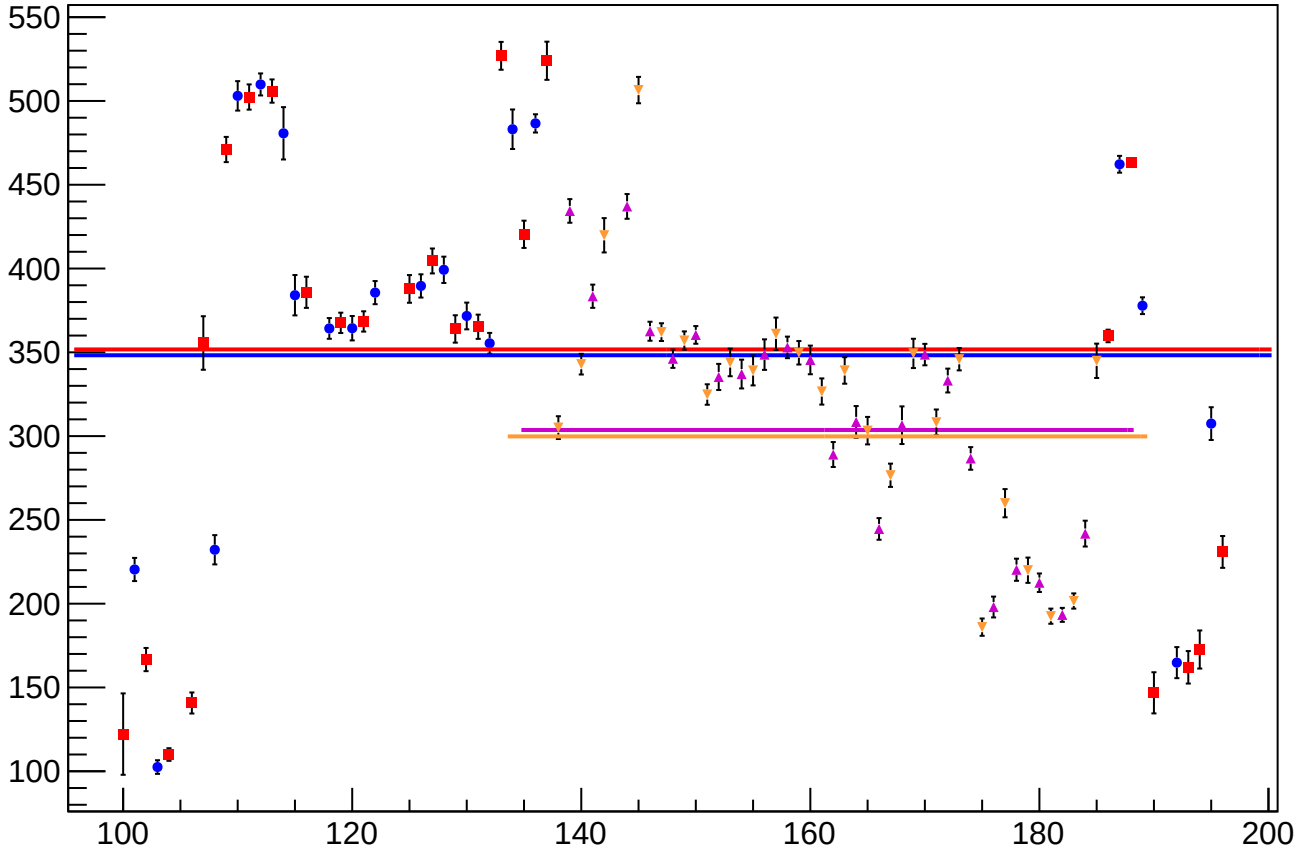
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.304+/-0.854 χ^2/NDF: 1002.4/43

All: 13.553+/-0.598 χ^2/NDF: 1888.5/90

- 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: 348.250+/-1.527 χ^2/NDF: 7032.9/19

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 351.725+/-1.292 χ^2/NDF: 10908.1/23

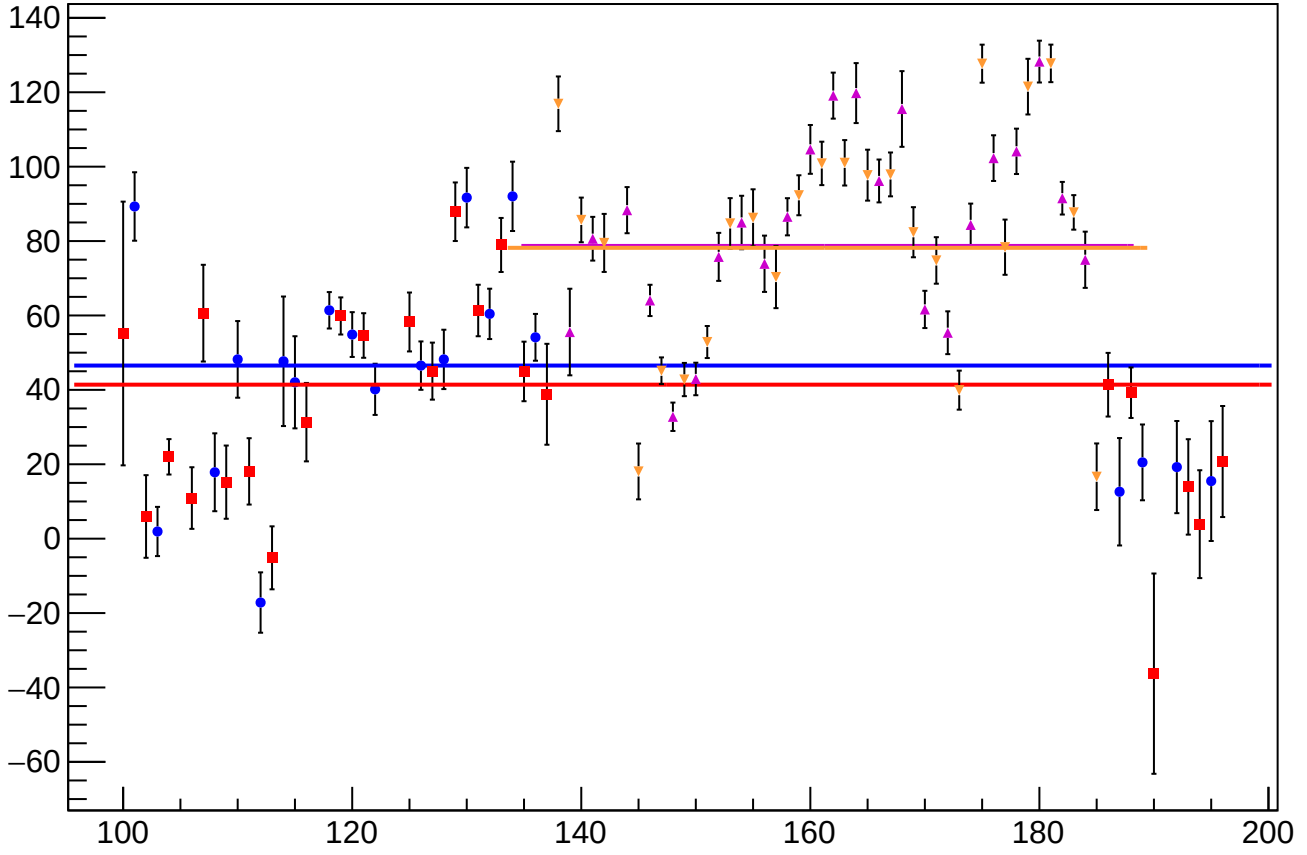
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.614+/-1.024 χ^2/NDF: 10662.3/43

All: 325.783+/-0.694 χ^2/NDF: 25119.1/90

- sign 329.323+/-0.944 χ^2/NDF: 14426.2/46

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 46.535+/-1.805 χ^2/NDF: 230.3/19

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

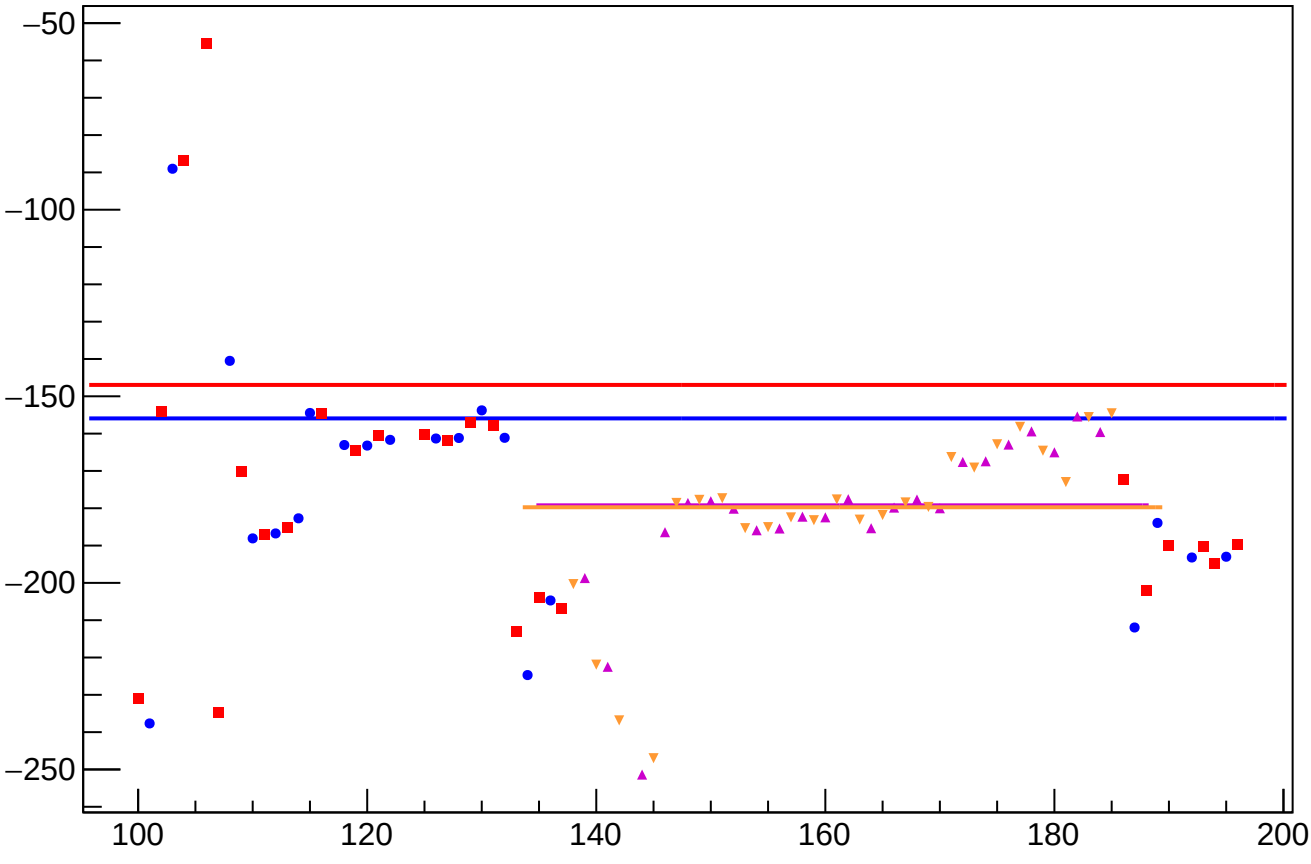
Right Out: 41.399+/-1.692 χ^2/NDF: 202.8/23

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.653+/-0.990 χ^2/NDF: 1108.6/43

All: 67.448+/-0.695 χ^2/NDF: 2127.1/90

- sign 66.277+/-0.976 χ^2/NDF: 1015.6/46



Right In: -155.924+/-0.093 χ^2/NDF: 283495.3/19

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

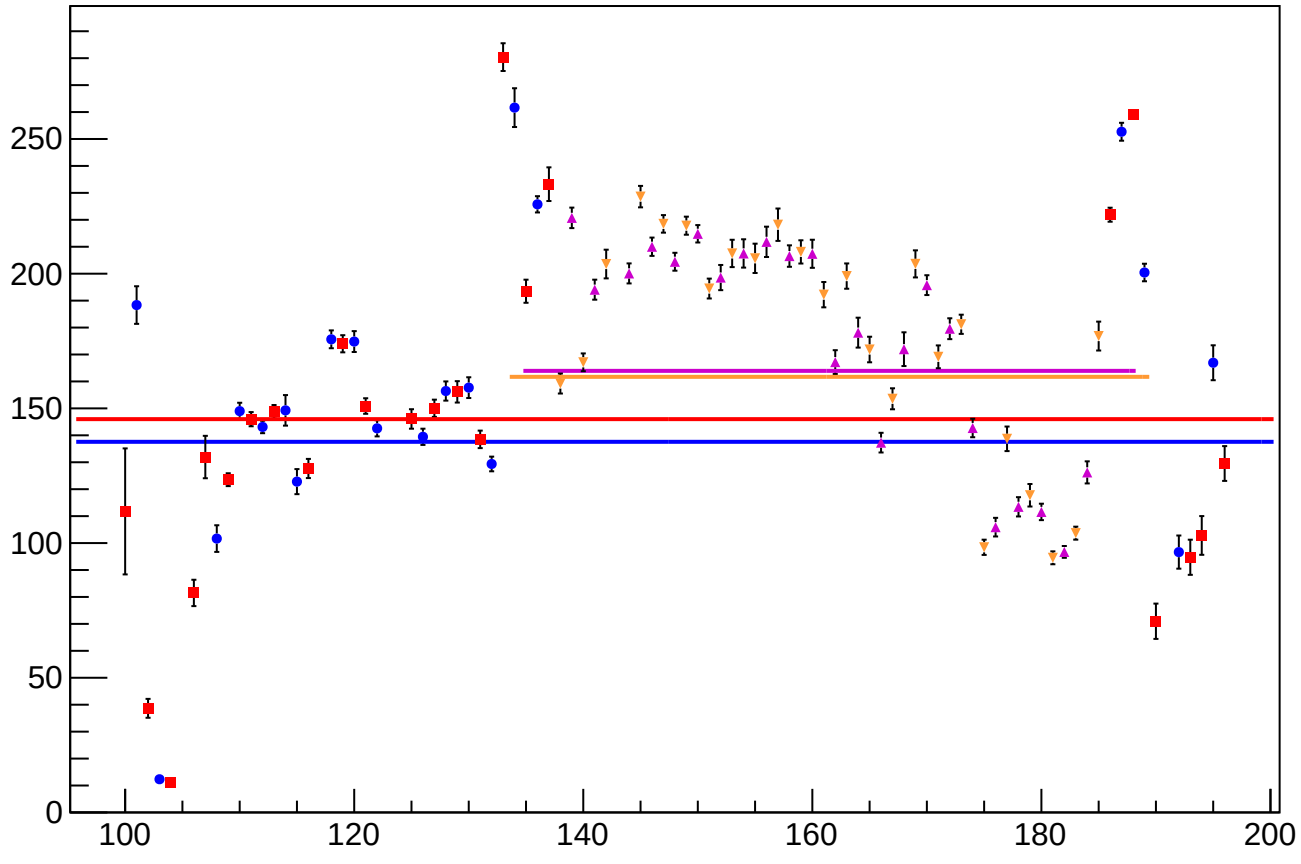
Right Out: -146.952+/-0.086 χ^2/NDF: 390096.9/23

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.584+/-0.047 χ^2/NDF: 464149.0/43

All: -171.740+/-0.033 χ^2/NDF: 1070854.9/90

- sign -169.997+/-0.046 χ^2/NDF: 603758.4/46



Right In: 137.589+/-0.755 χ^2/NDF: 7966.1/19

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 146.008+/-0.670 χ^2/NDF: 13012.2/23

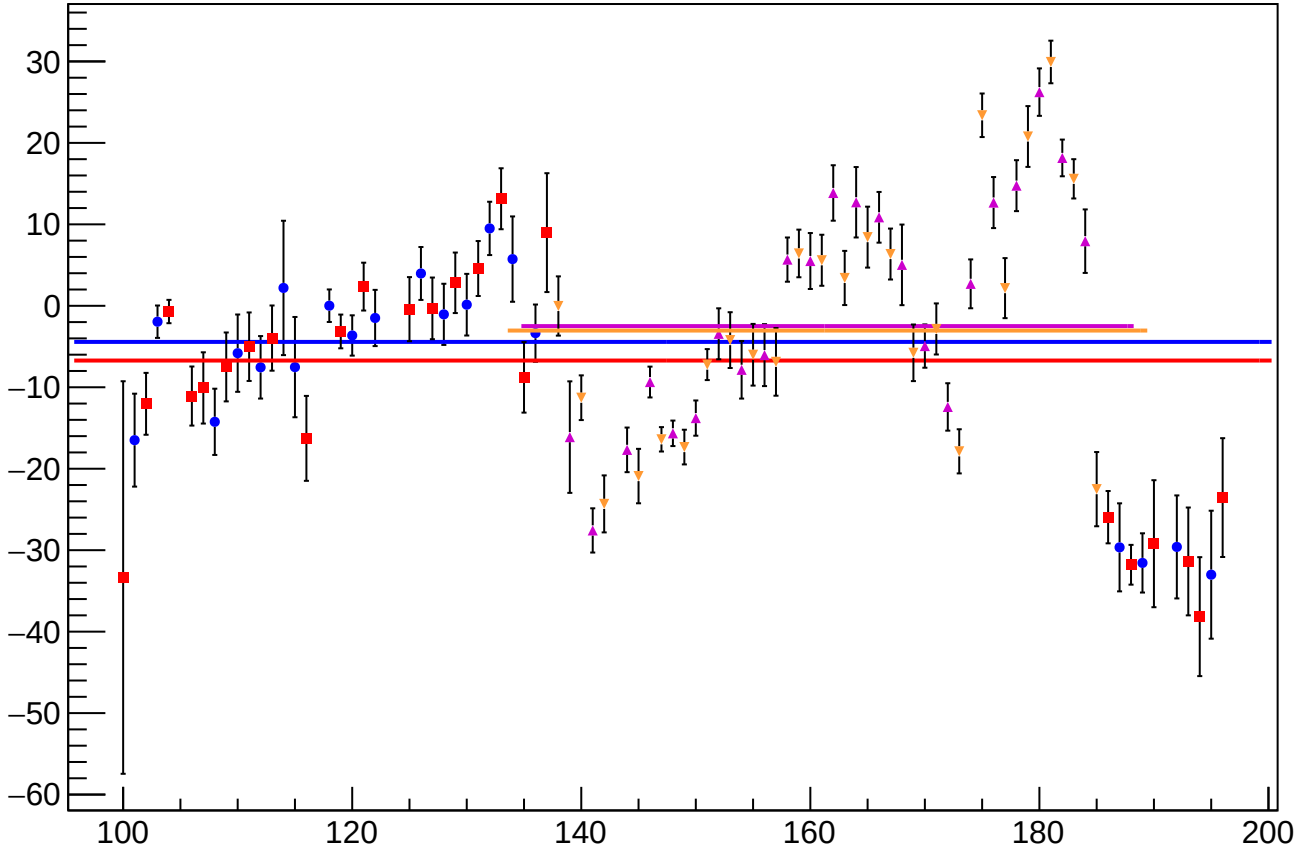
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.309+/-0.541 χ^2/NDF: 12049.8/43

All: 151.601+/-0.370 χ^2/NDF: 28735.4/90

- sign 153.621+/-0.508 χ^2/NDF: 16651.9/46

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -4.431+/-0.792 χ^2/NDF: 156.8/19

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

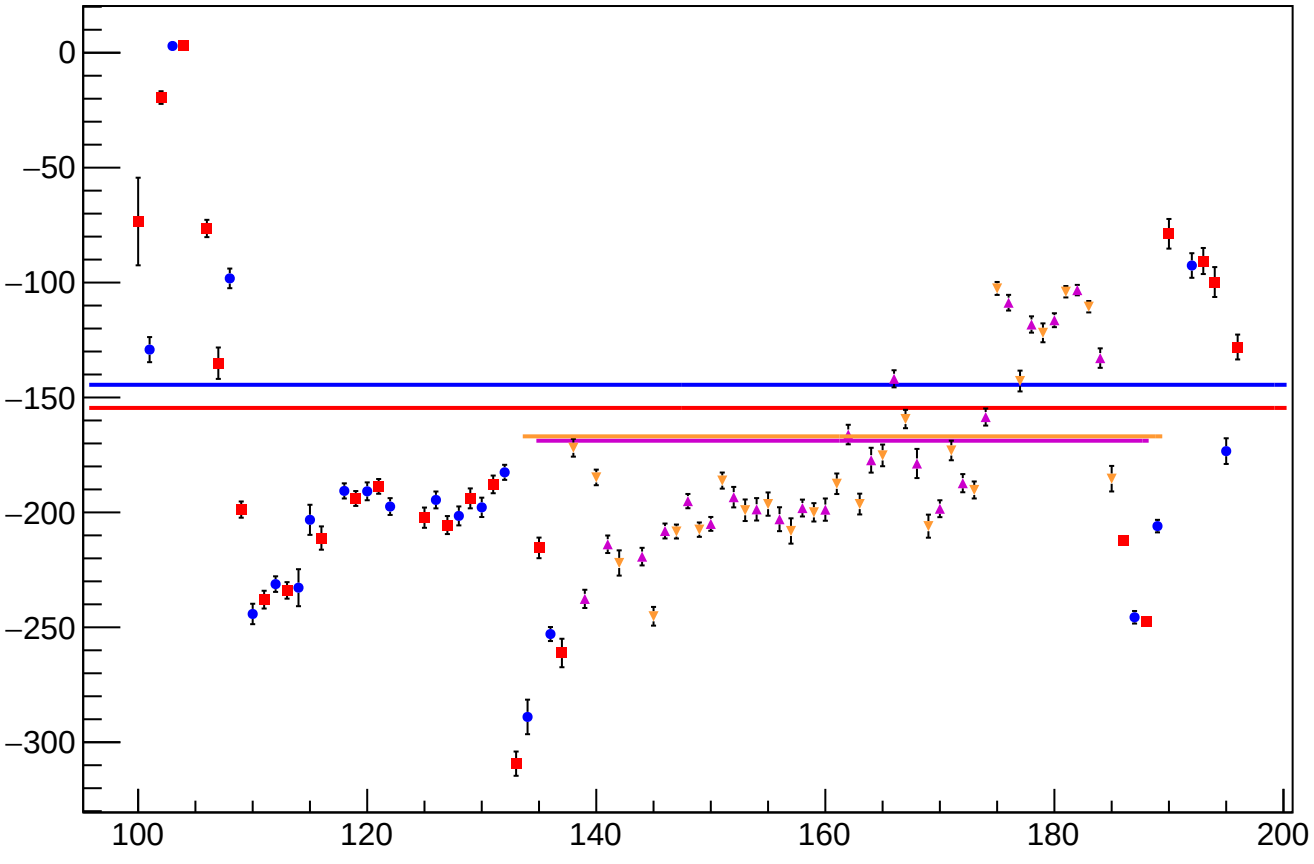
Right Out: -6.719+/-0.702 χ^2/NDF: 283.0/23

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -3.522+/-0.467 χ^2/NDF: 813.3/43

All: -3.889+/-0.324 χ^2/NDF: 1681.7/90

- sign -4.230+/-0.450 χ^2/NDF: 867.2/46



Right In: -144.480+/-0.760 χ^2/NDF: 17000.4/19

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.544+/-0.651 χ^2/NDF: 23524.9/23

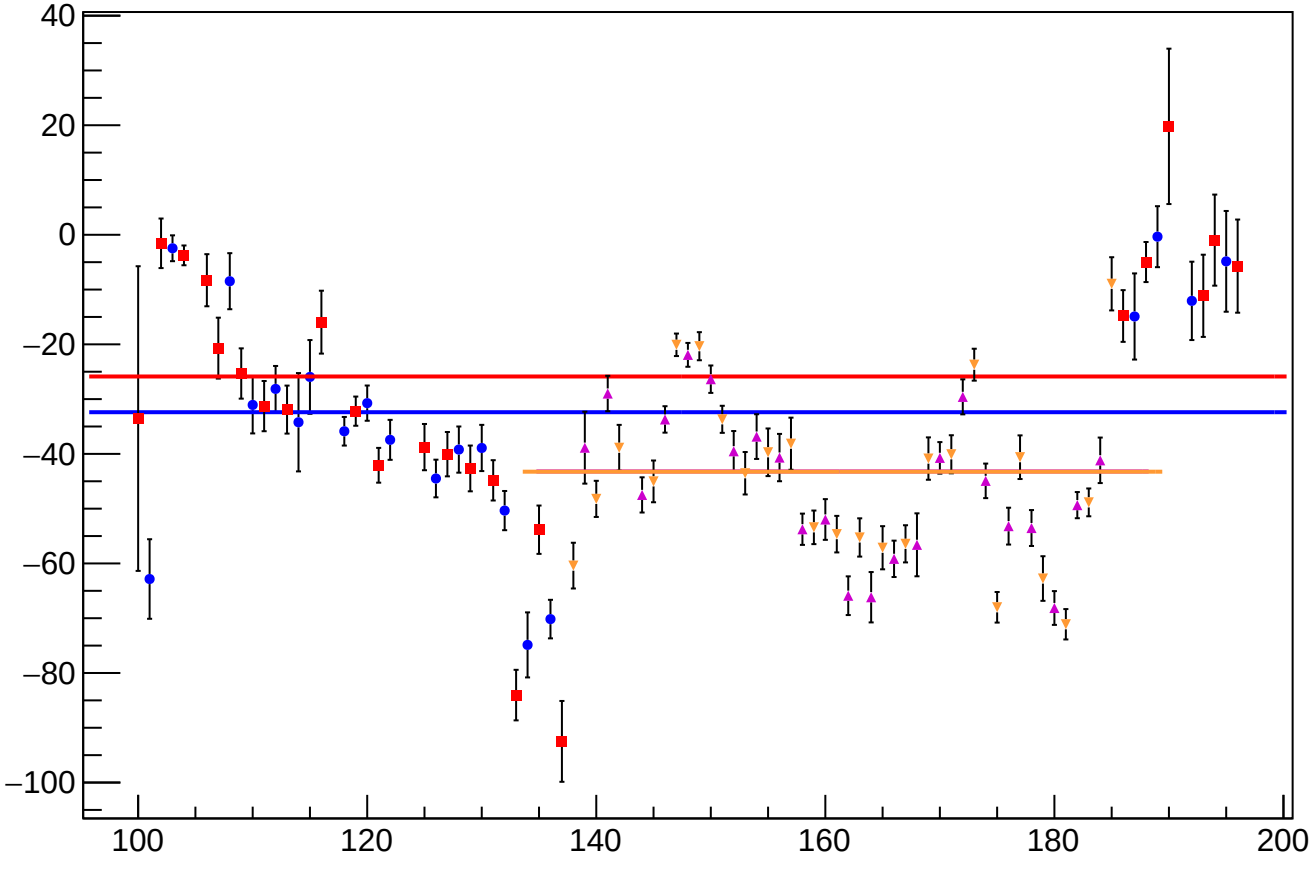
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.538+/-0.541 χ^2/NDF: 20525.9/43

All: -158.210+/-0.366 χ^2/NDF: 47354.8/90

- 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: -32.391+/-0.934 χ^2/NDF: 470.3/19

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

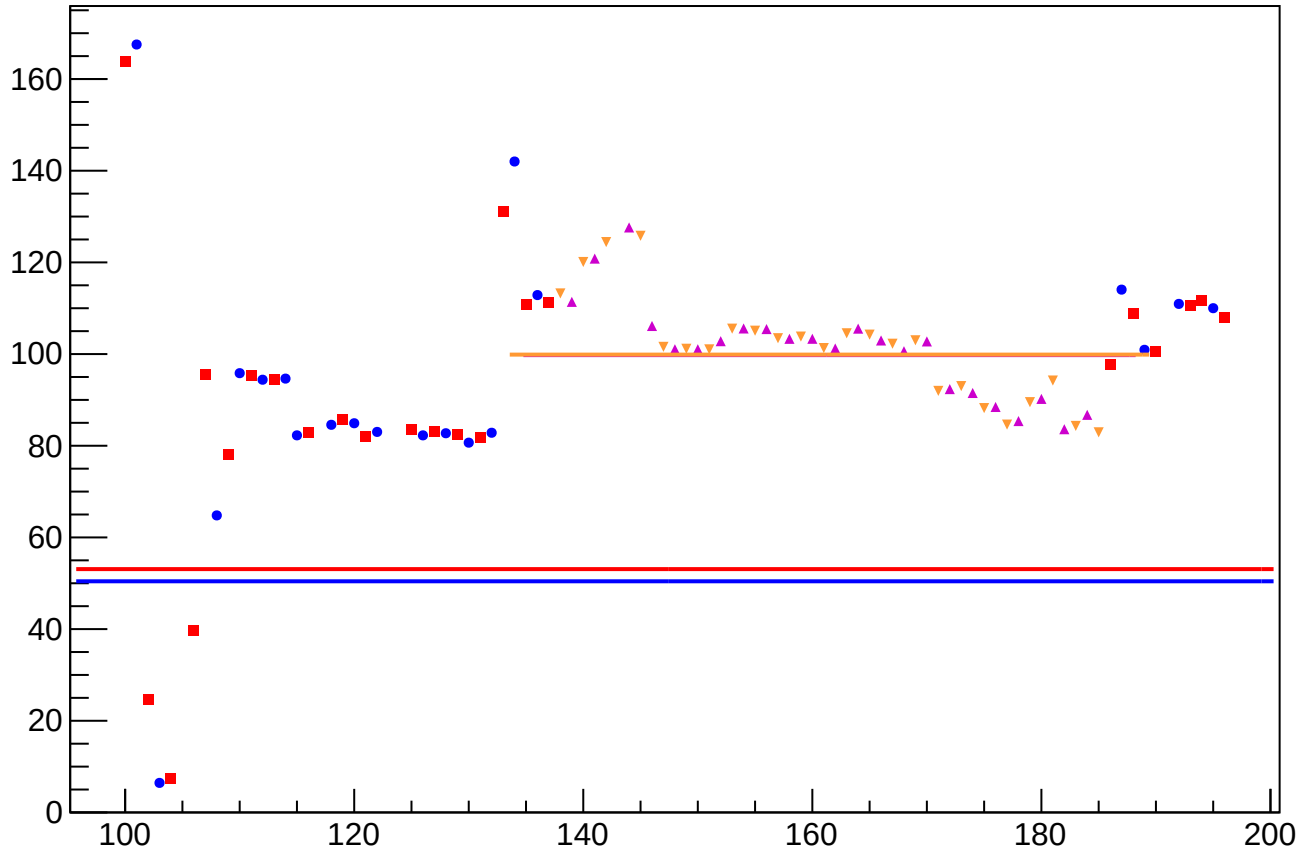
Right Out: -25.869+/-0.849 χ^2/NDF: 643.3/23

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.602+/-0.541 χ^2/NDF: 1170.3/43

All: -38.036+/-0.377 χ^2/NDF: 2492.6/90

- sign -36.556+/-0.526 χ^2/NDF: 1306.0/46



Right In: 50.429+/-0.043 χ^2/NDF: 1280747.8/19

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

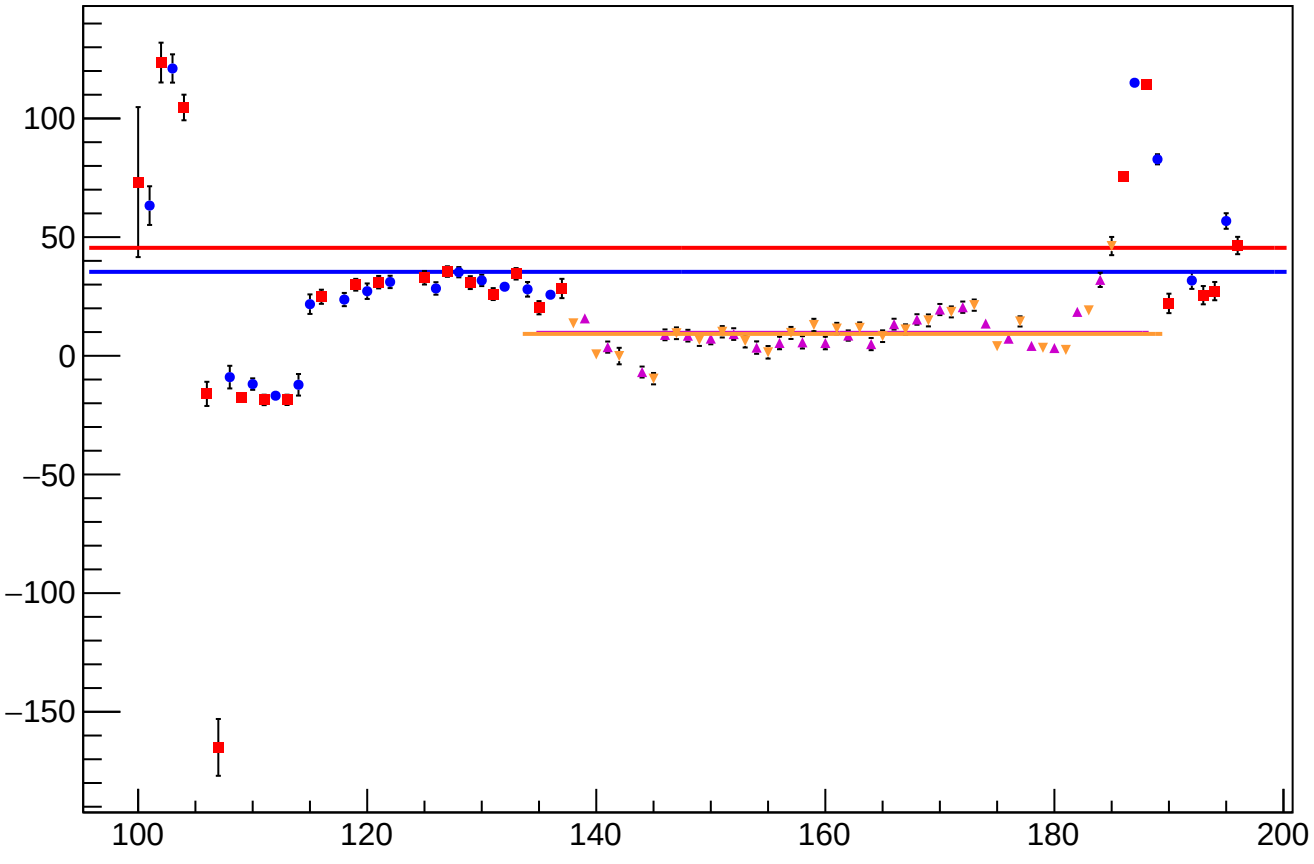
Right Out: 53.088+/-0.041 χ^2/NDF: 1129118.3/23

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.991+/-0.025 χ^2/NDF: 2286698.3/43

All: 83.155+/-0.018 χ^2/NDF: 4352250.0/90

- sign 83.315+/-0.025 χ^2/NDF: 2065465.8/46



Right In: 35.370+/-0.601 χ^2/NDF: 3688.2/19

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

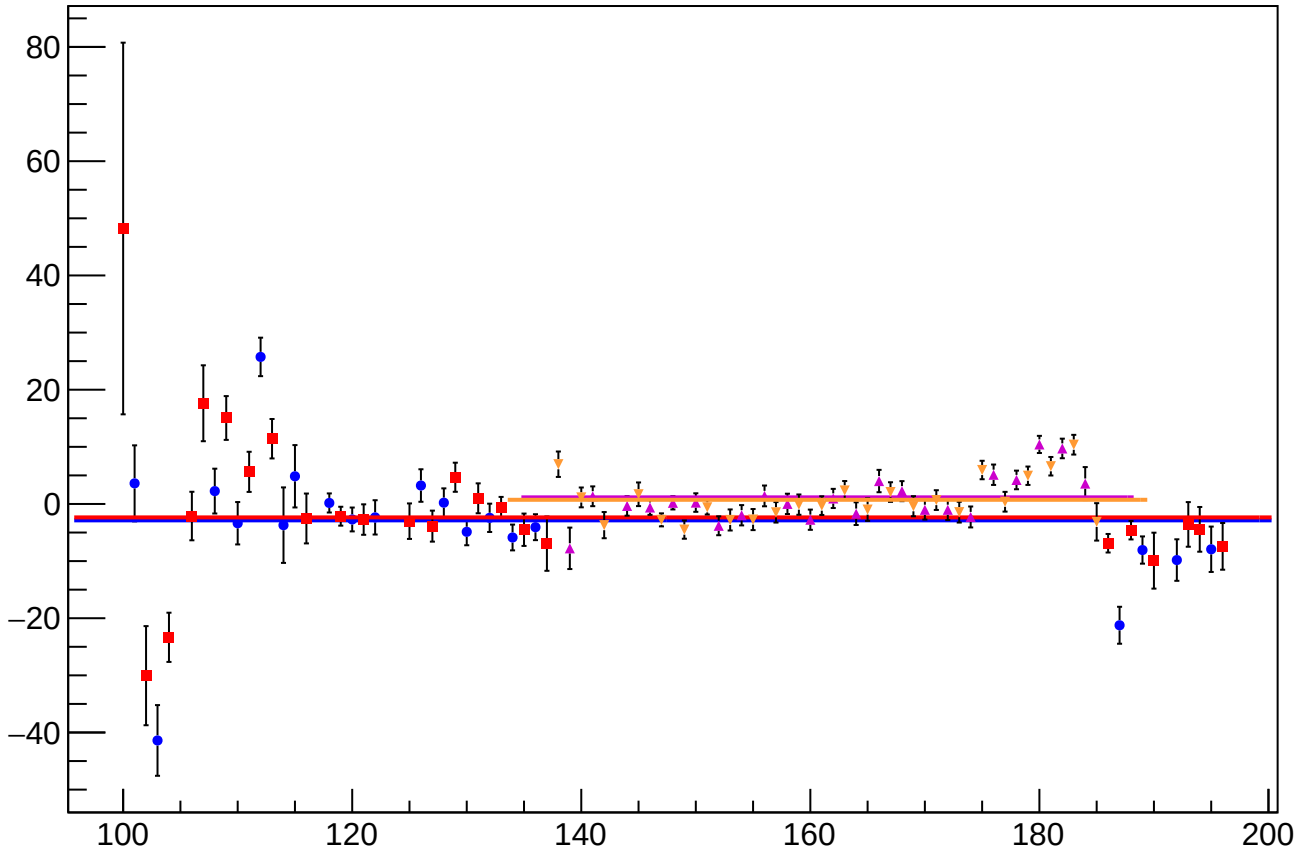
Right Out: 45.488+/-0.518 χ^2/NDF: 7778.4/23

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 18.781+/-0.364 χ^2/NDF: 5214.5/43

All: 22.348+/-0.250 χ^2/NDF: 16082.9/90

- sign 25.558+/-0.345 χ^2/NDF: 10685.6/46



Right In: -2.869+/-0.638 χ^2/NDF: 170.1/19

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.351+/-0.581 χ^2/NDF: 113.3/23

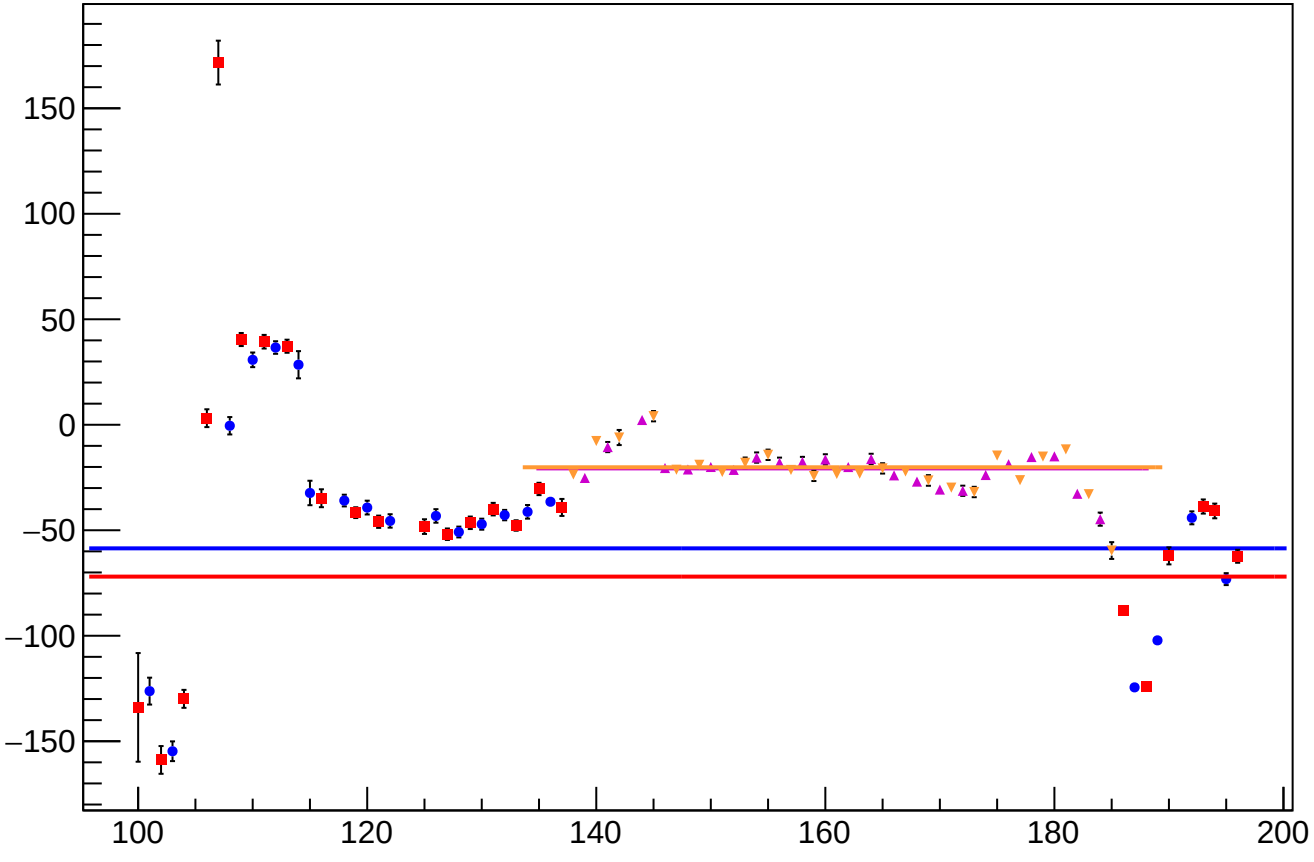
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.100+/-0.307 χ^2/NDF: 304.3/43

All: 0.047+/-0.216 χ^2/NDF: 555.0/90

\- sign 0.193+/-0.304 χ^2/NDF: 250.2/46

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -58.577+/-0.628 χ^2/NDF: 5268.4/19

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

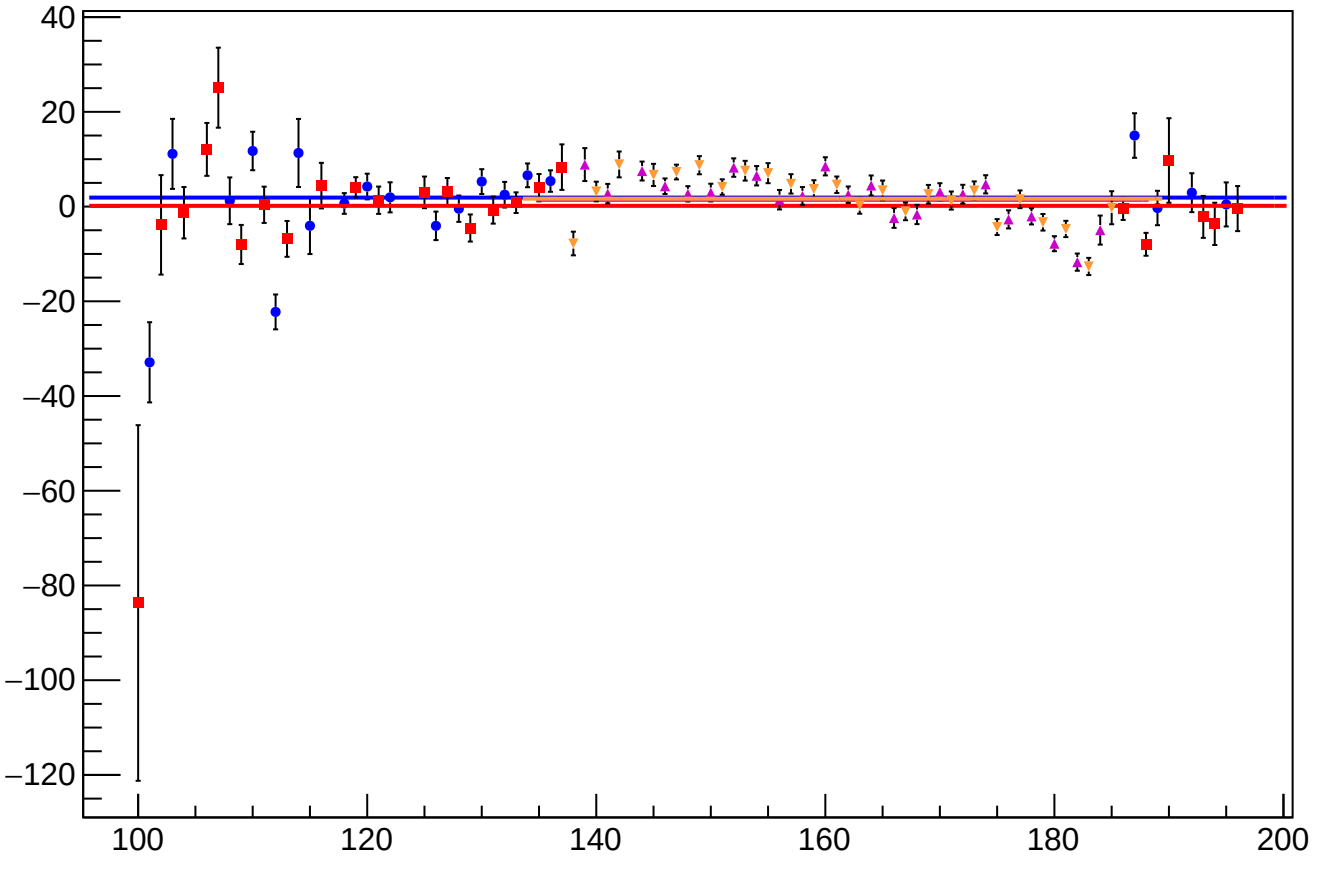
Right Out: -71.971+/-0.504 χ^2/NDF: 9452.5/23

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -33.294+/-0.367 χ^2/NDF: 8155.9/43

All: -39.003+/-0.249 χ^2/NDF: 24045.0/90

\- sign -43.867+/-0.339 χ^2/NDF: 15440.9/46



Right In: 1.897+/-0.745 χ^2/NDF: 91.7/19

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

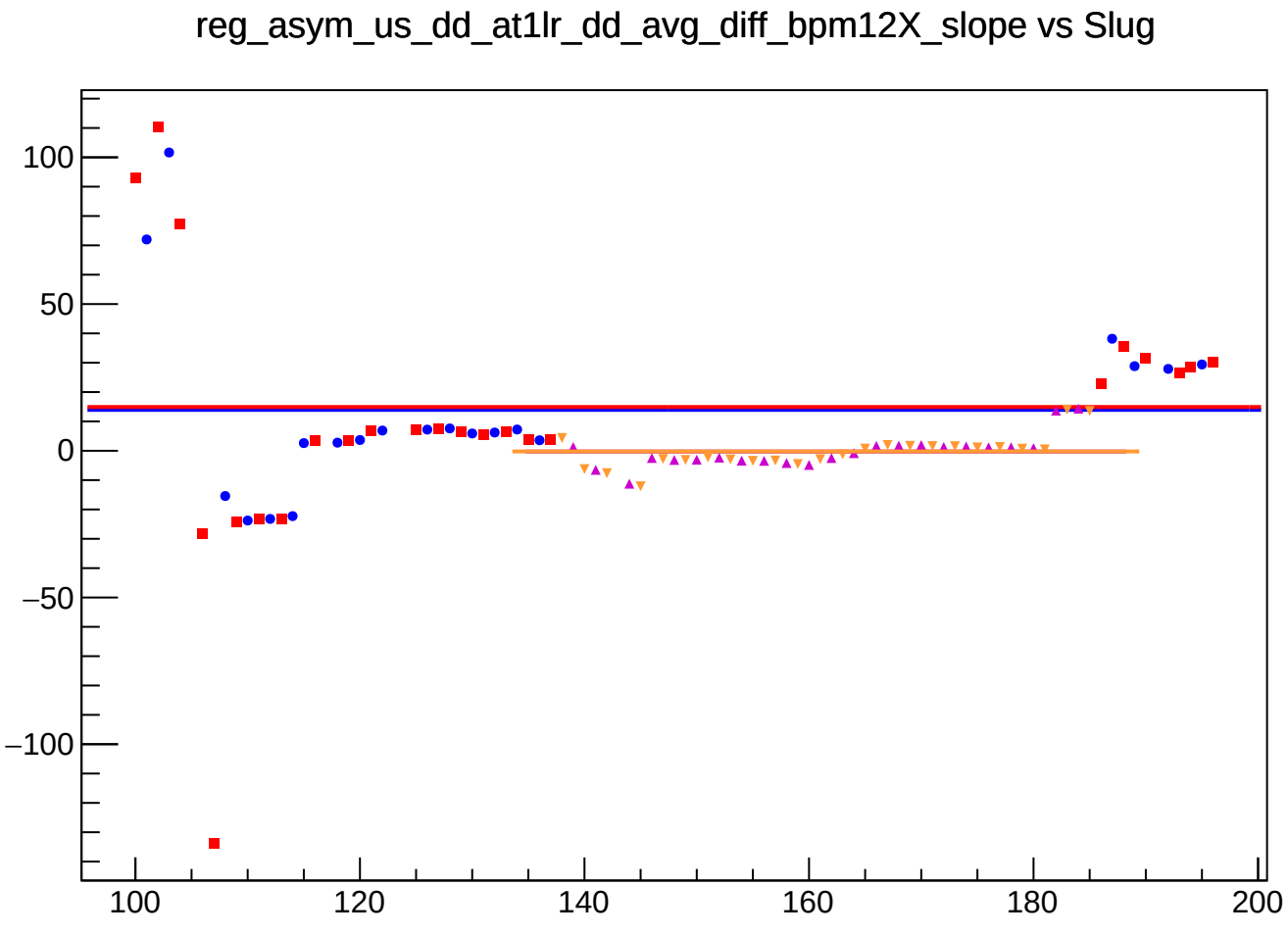
Right Out: 0.156+/-0.706 χ^2/NDF: 53.0/23

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.720+/-0.349 χ^2/NDF: 269.7/43

All: 1.419+/-0.247 χ^2/NDF: 489.5/90

- sign 1.116+/-0.350 χ^2/NDF: 218.3/46



Right In: 13.940+/-0.041 χ^2/NDF: 367576.3/19

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

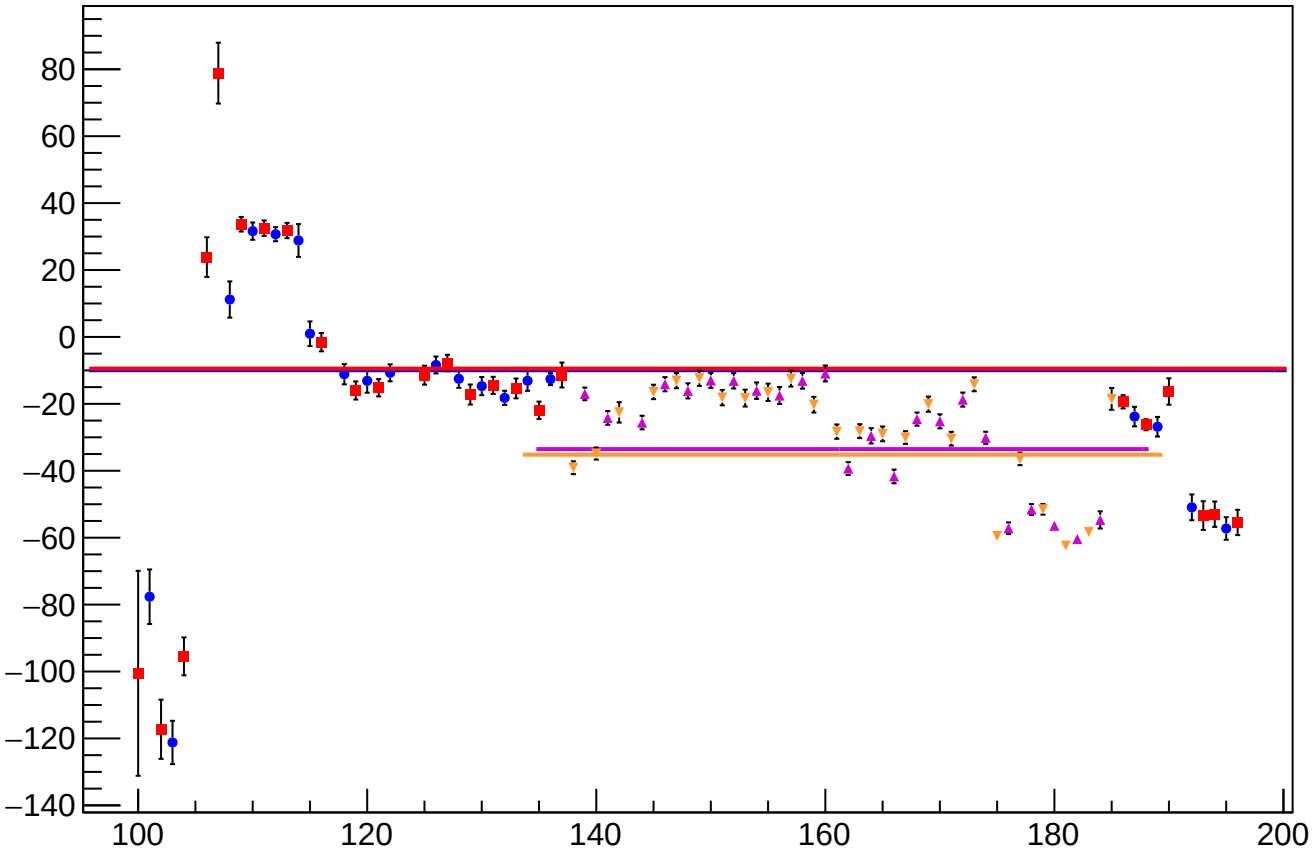
Right Out: 14.910+/-0.040 χ^2/NDF: 546291.8/23

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.956+/-0.016 χ^2/NDF: 548086.0/43

All: 2.116+/-0.011 χ^2/NDF: 1290146.7/90

- sign 2.275+/-0.016 χ^2/NDF: 741866.9/46



Right In: -9.954+/-0.650 χ^2/NDF: 1466.9/19

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

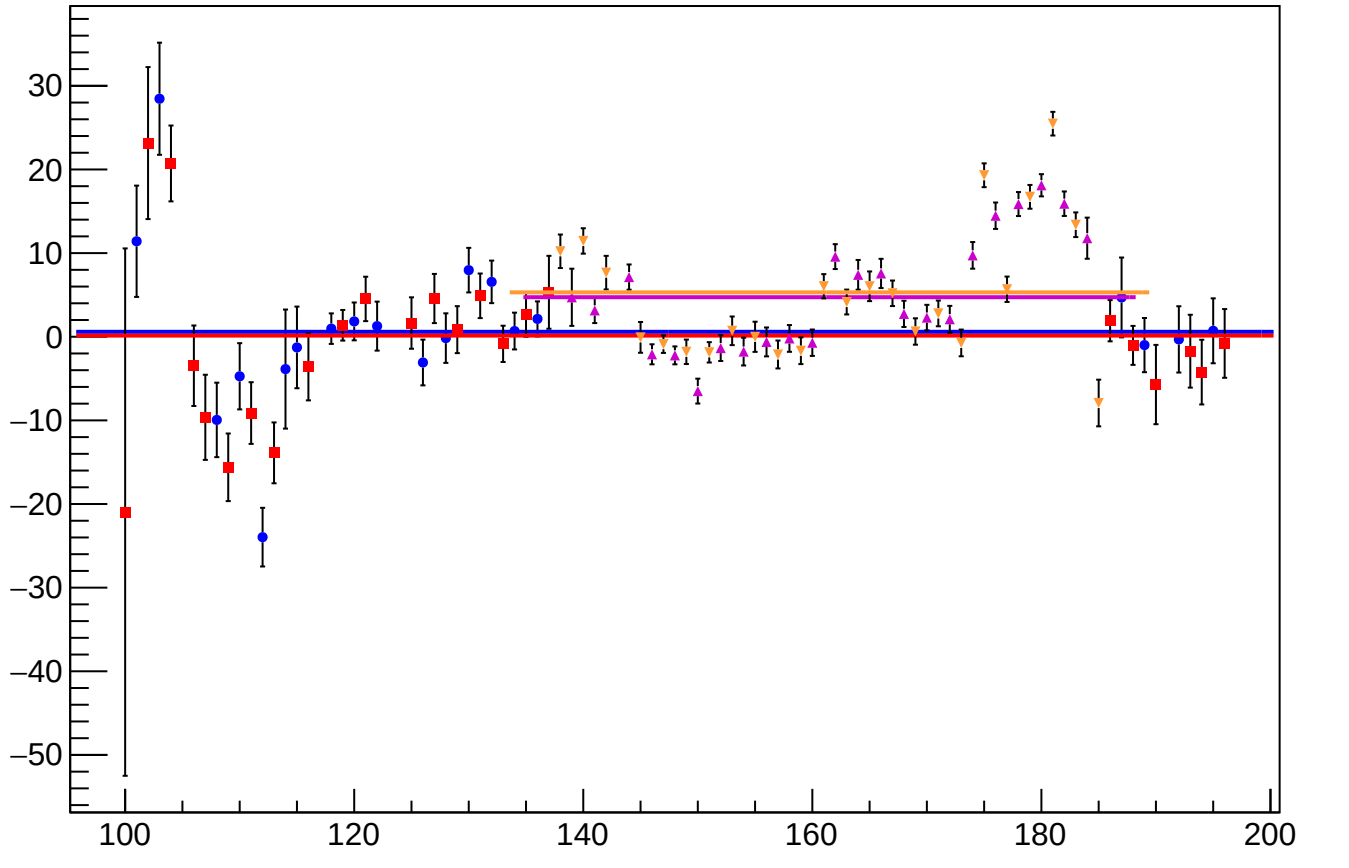
Right Out: -9.471+/-0.591 χ^2/NDF: 2132.1/23

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.068+/-0.346 χ^2/NDF: 4398.7/43

All: -26.822+/-0.242 χ^2/NDF: 9473.4/90

- sign -25.624+/-0.339 χ^2/NDF: 5049.3/46



Right In: 0.591+/-0.680 χ^2/NDF: 93.9/19

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

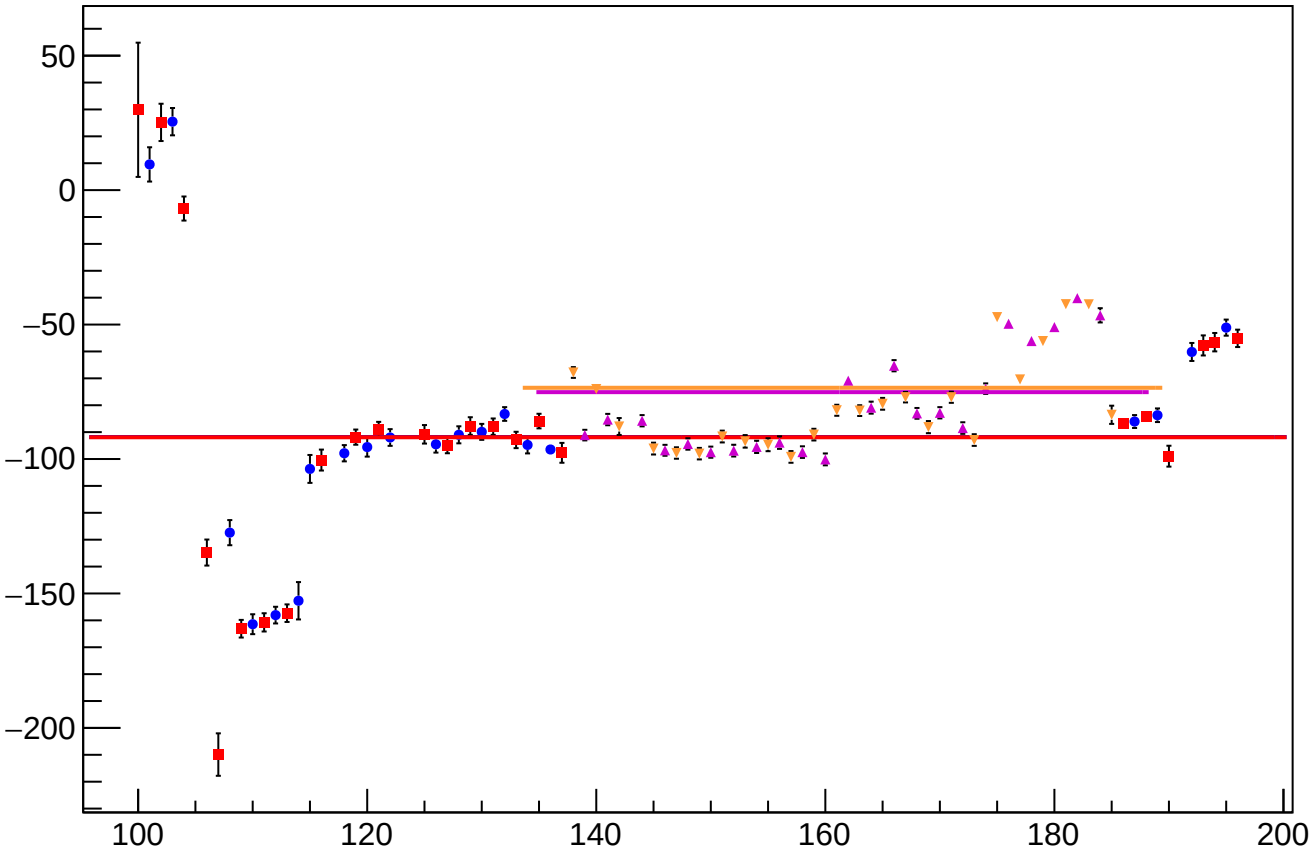
Right Out: 0.138+/-0.655 χ^2/NDF: 84.2/23

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.474+/-0.286 χ^2/NDF: 757.9/43

All: 4.159+/-0.203 χ^2/NDF: 1380.0/90

- sign 3.839+/-0.288 χ^2/NDF: 619.7/46



Right In: -91.817+/-0.699 χ^2/NDF: 2050.6/19

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

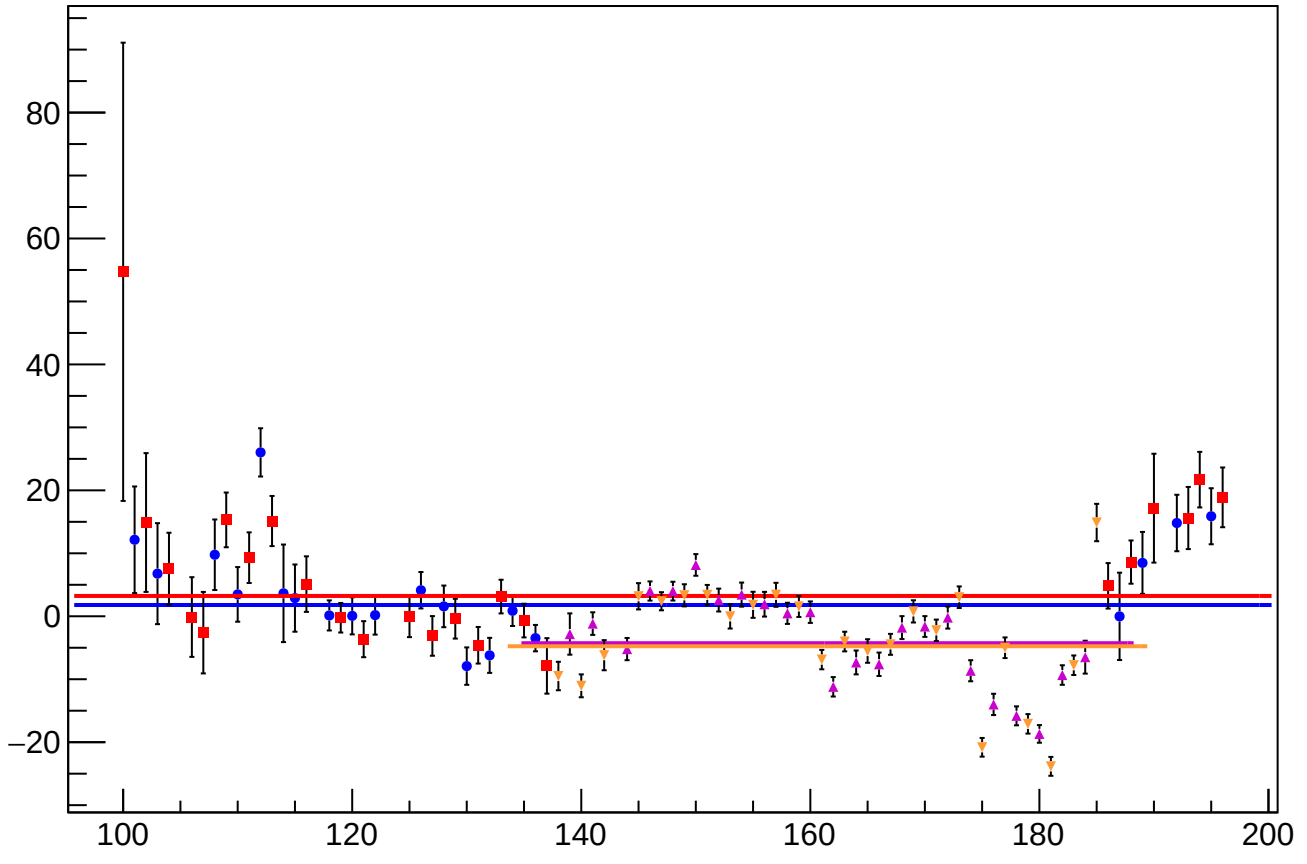
Right Out: -91.908+/-0.608 χ^2/NDF: 2640.6/23

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.109+/-0.351 χ^2/NDF: 4955.7/43

All: -79.280+/-0.244 χ^2/NDF: 10503.3/90

- sign -80.379+/-0.340 χ^2/NDF: 5526.0/46



Right In: 1.790+/-0.780 χ^2/NDF: 91.7/19

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

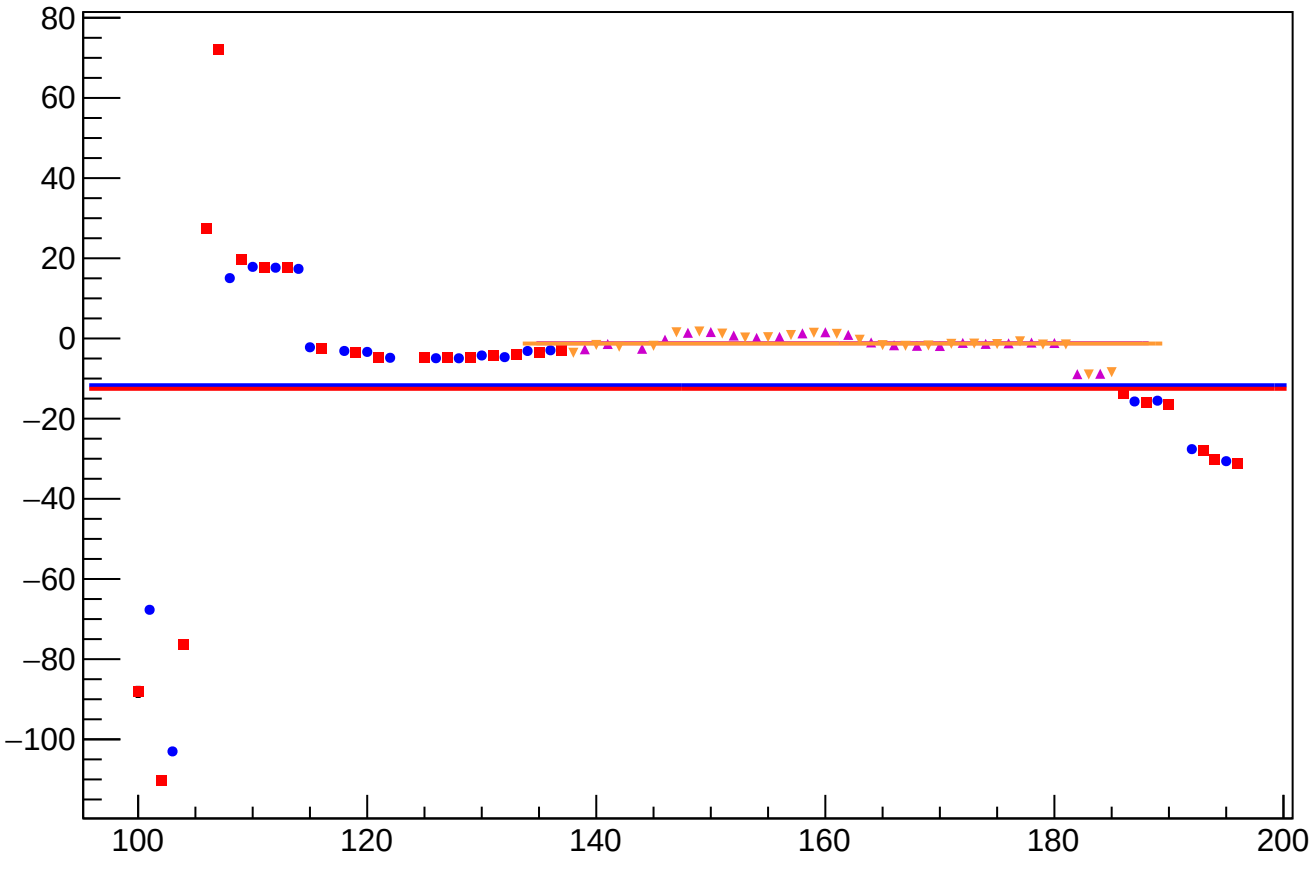
Right Out: 3.228+/-0.773 χ^2/NDF: 93.9/23

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.638+/-0.323 χ^2/NDF: 727.2/43

All: -3.290+/-0.230 χ^2/NDF: 1325.0/90

- sign -2.933+/-0.327 χ^2/NDF: 595.5/46



Right In: -11.667+/-0.042 χ^2/NDF: 308611.8/19

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -12.555+/-0.042 χ^2/NDF: 406063.2/23

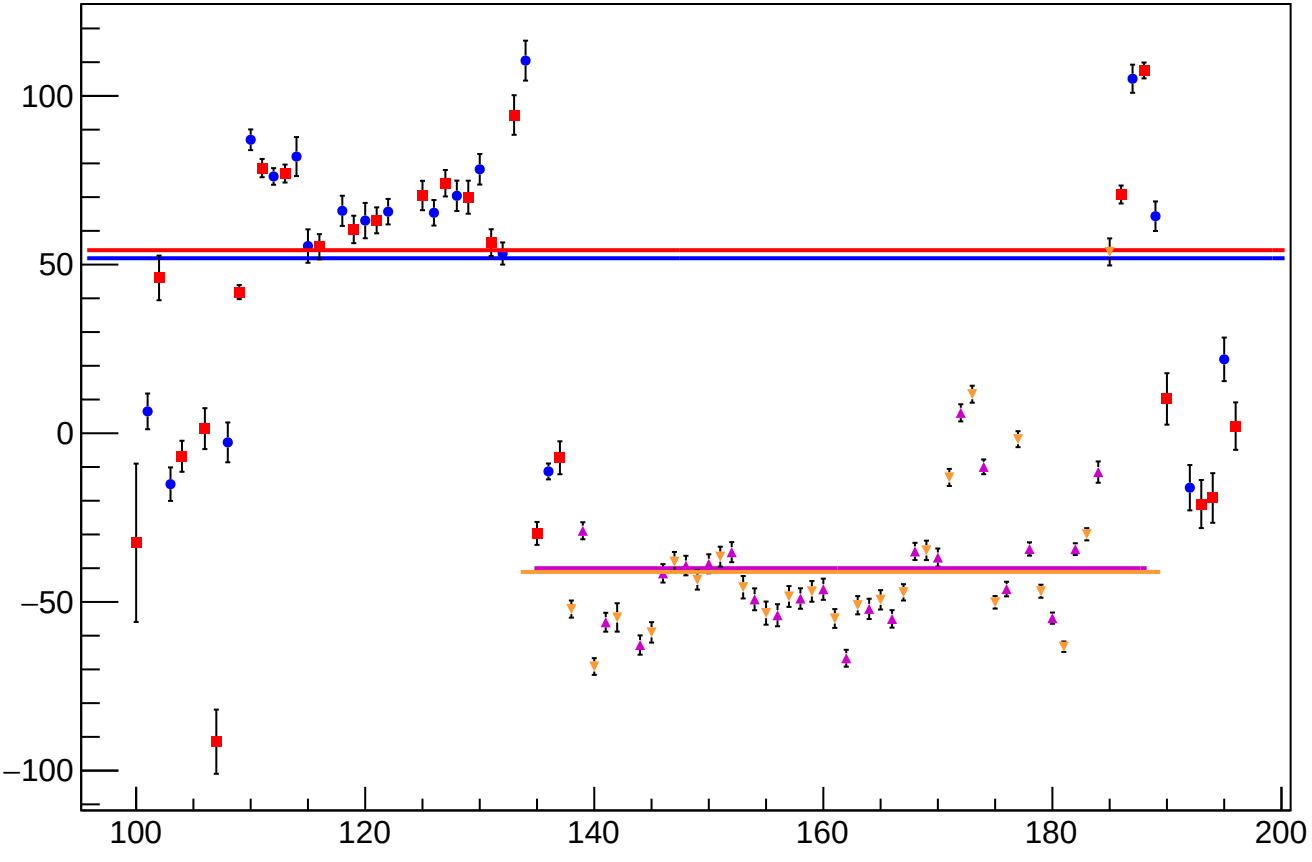
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.559+/-0.015 χ^2/NDF: 387100.0/43

All: -2.593+/-0.011 χ^2/NDF: 882589.7/90

- 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: 51.882+/-0.902 χ^2/NDF: 1800.5/19

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 54.270+/-0.792 χ^2/NDF: 2414.8/23

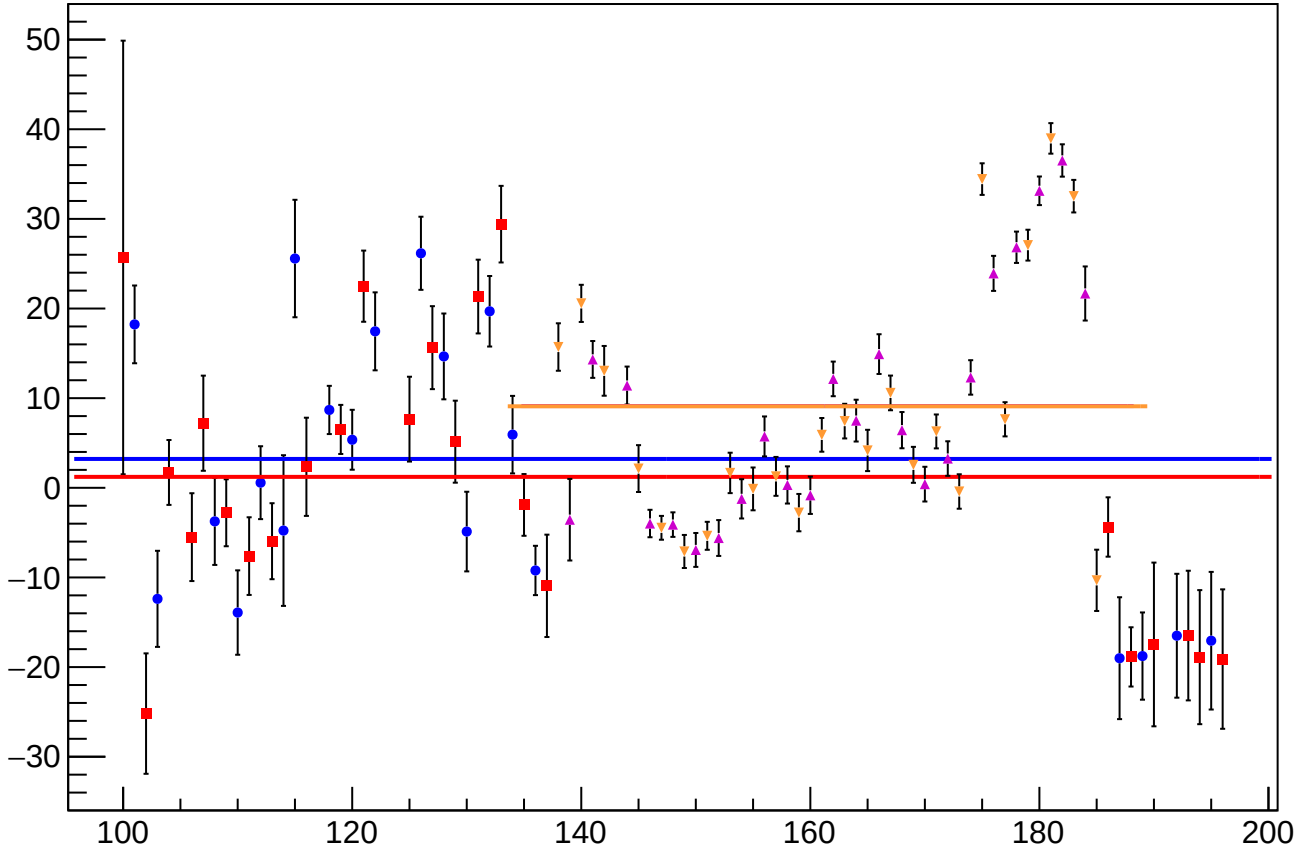
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -18.084+/-0.449 χ^2/NDF: 11742.7/43

All: -14.596+/-0.313 χ^2/NDF: 25155.0/90

- 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: 3.220+/-0.971 χ^2/NDF: 189.3/19

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

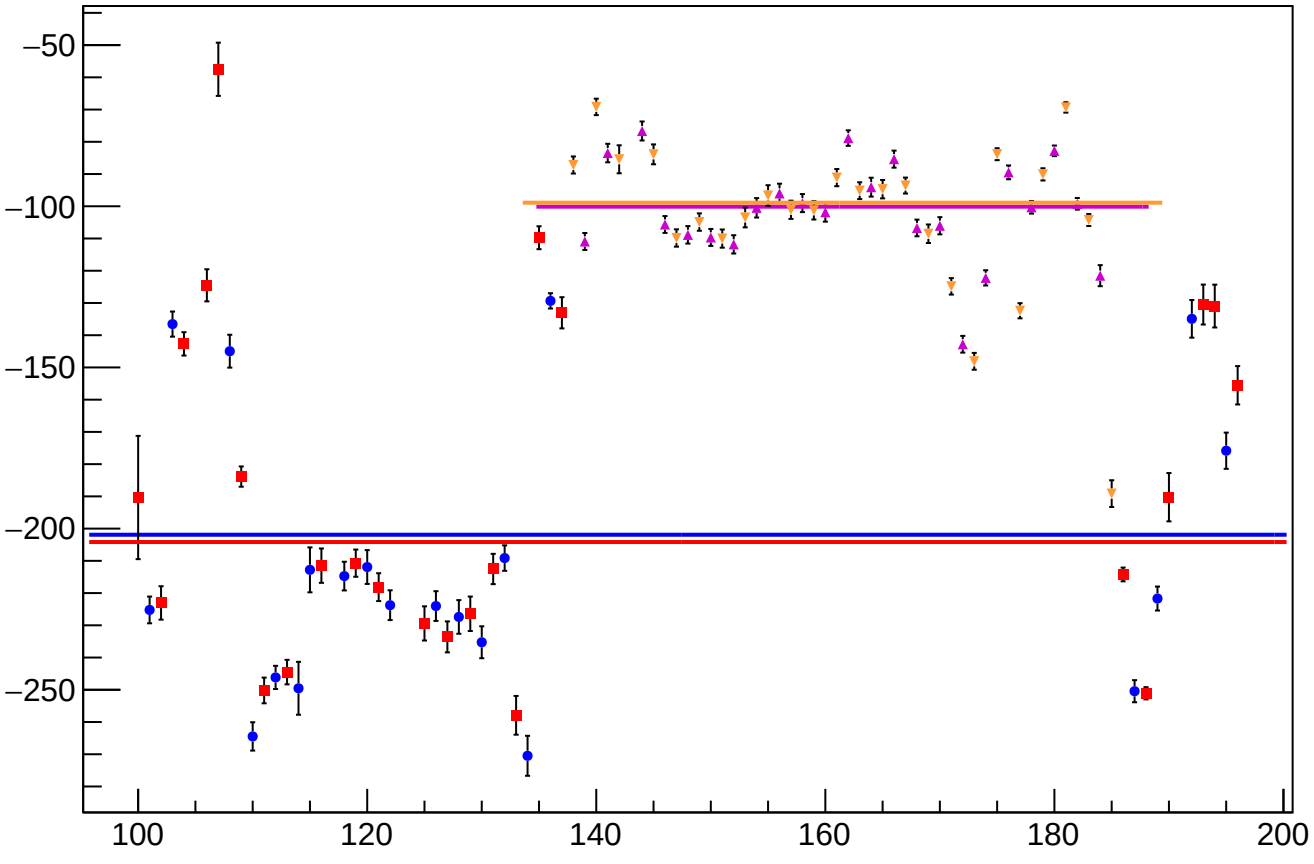
Right Out: 1.220+/-0.911 χ^2/NDF: 209.4/23

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.237+/-0.371 χ^2/NDF: 1474.3/43

All: 8.018+/-0.263 χ^2/NDF: 2798.8/90

- sign 7.796+/-0.373 χ^2/NDF: 1323.9/46



Right In: -201.899+/-0.967 χ^2/NDF: 2393.1/19

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

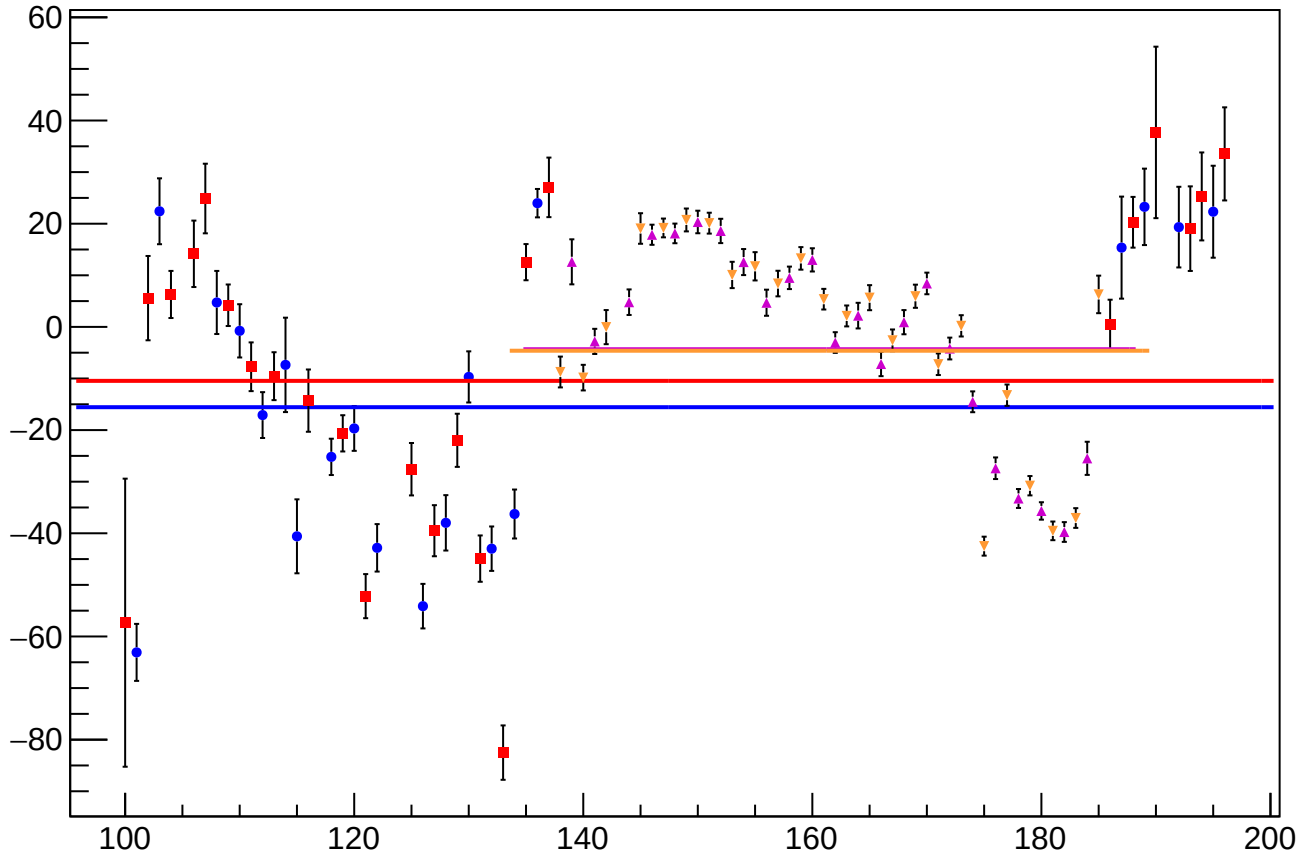
Right Out: -204.160+/-0.830 χ^2/NDF: 3225.1/23

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.602+/-0.454 χ^2/NDF: 13071.2/43

All: -125.634+/-0.316 χ^2/NDF: 28545.6/90

- sign -129.436+/-0.441 χ^2/NDF: 15321.1/46



Right In: -15.563+/-1.117 χ^2/NDF: 625.0/19

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

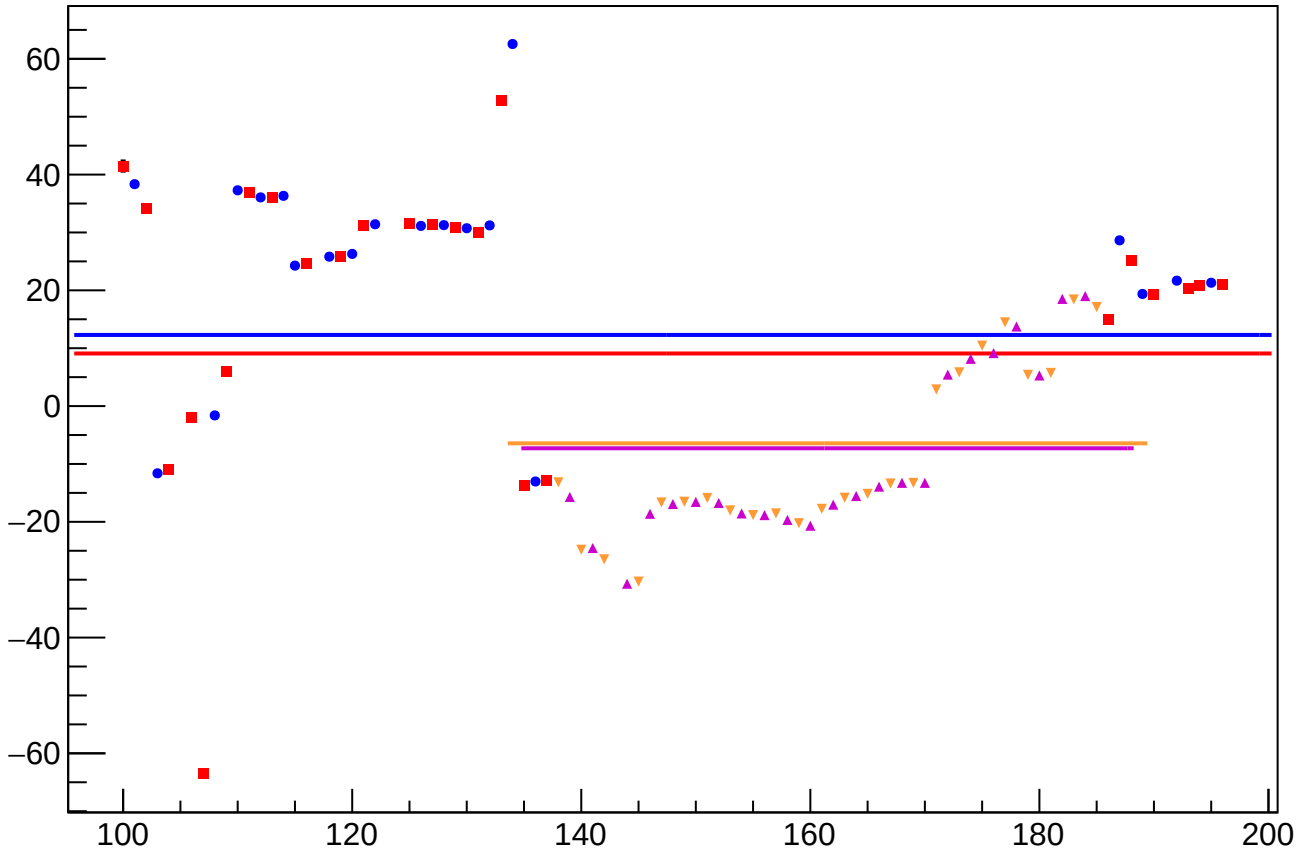
Right Out: -10.460+/-1.073 χ^2/NDF: 668.7/23

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

\+ sign -6.154+/-0.418 χ^2/NDF: 2785.8/43

All: -5.719+/-0.297 χ^2/NDF: 5338.4/90

\- sign -5.277+/-0.422 χ^2/NDF: 2550.4/46



Right In: 12.293+/-0.058 χ^2/NDF: 169442.6/19

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 9.090+/-0.056 χ^2/NDF: 168886.5/23

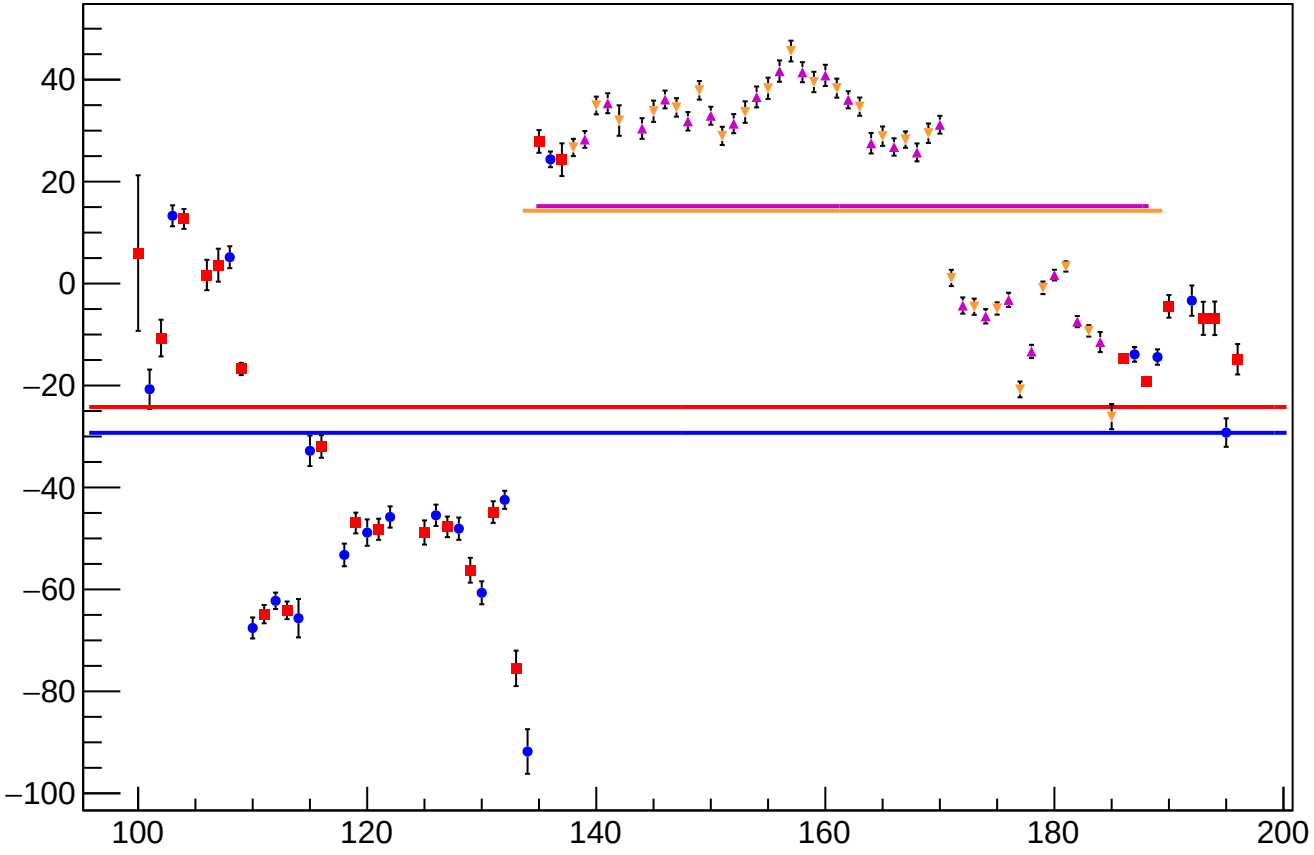
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.420+/-0.019 χ^2/NDF: 758817.5/43

All: -4.902+/-0.013 χ^2/NDF: 1493026.0/90

\- sign -5.385+/-0.019 χ^2/NDF: 732927.9/46

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.278+/-0.472 χ^2/NDF: 3870.6/19

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

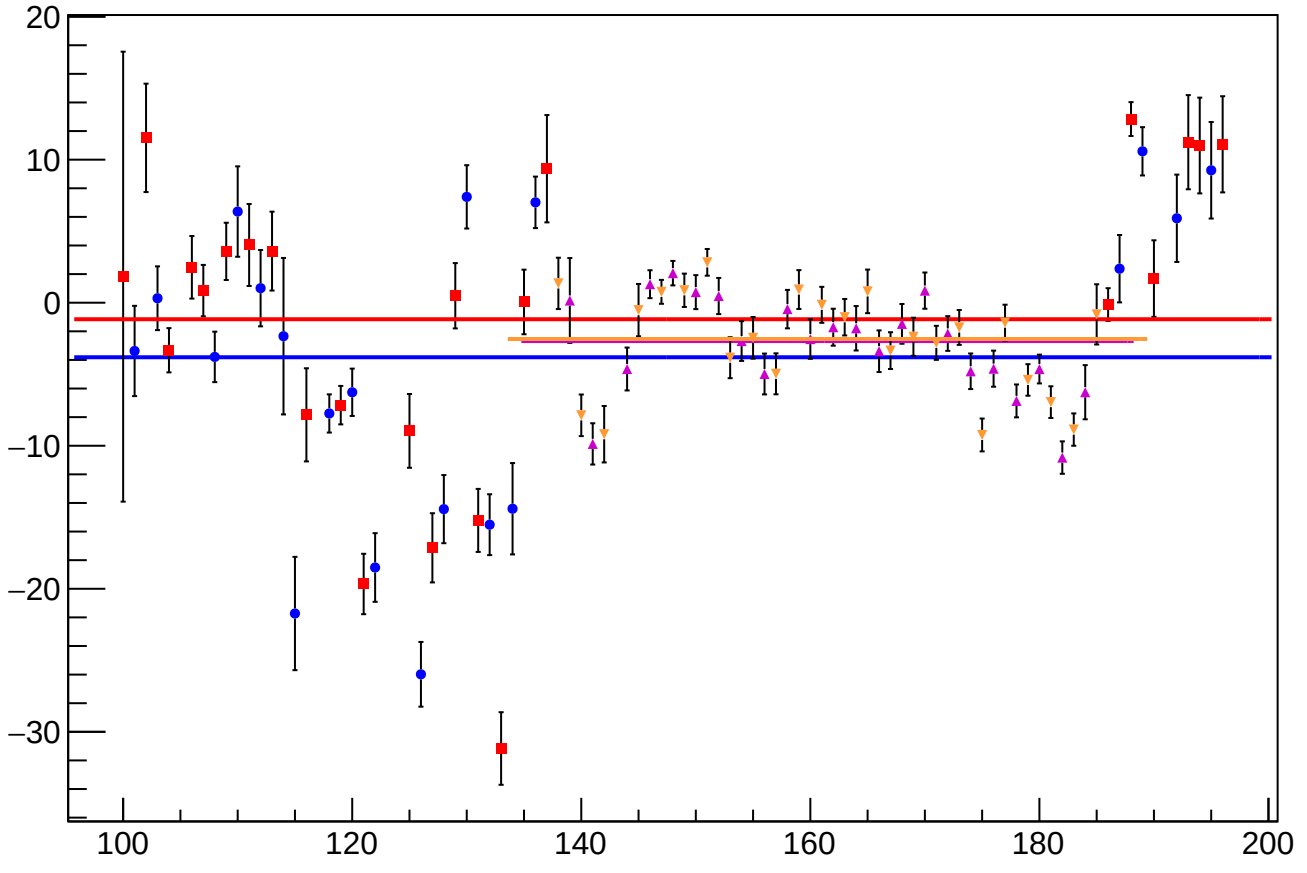
Right Out: -24.207+/-0.383 χ^2/NDF: 3666.7/23

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.314+/-0.273 χ^2/NDF: 13262.1/43

All: -1.280+/-0.186 χ^2/NDF: 26279.0/90

- sign -2.116+/-0.254 χ^2/NDF: 12993.6/46



Right In: -3.813+/-0.501 χ^2/NDF: 409.8/19

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.155+/-0.430 χ^2/NDF: 554.2/23

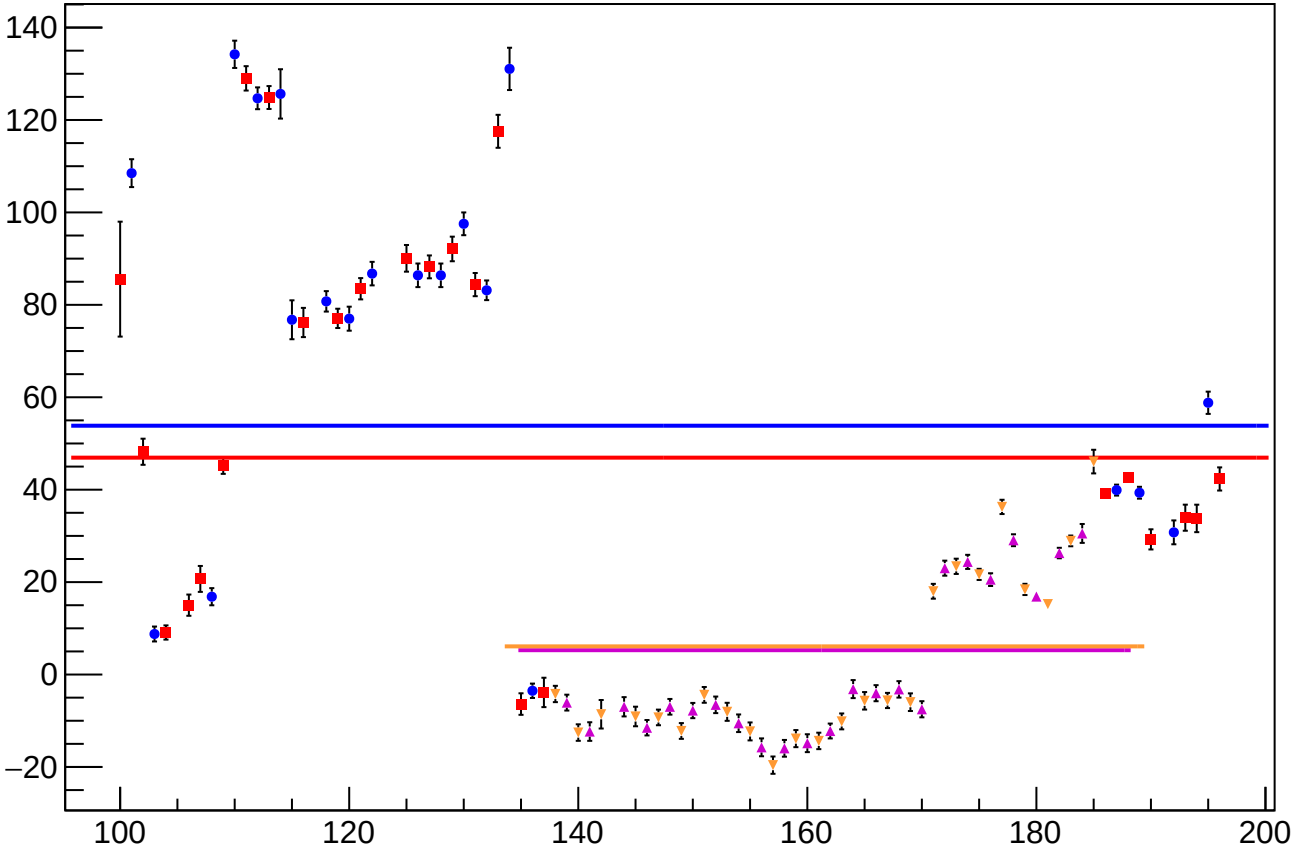
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.807+/-0.230 χ^2/NDF: 613.3/43

All: -2.529+/-0.161 χ^2/NDF: 1361.6/90

\- 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: 53.843+/-0.473 χ^2/NDF: 6577.4/19

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.932+/-0.365 χ^2/NDF: 5839.2/23

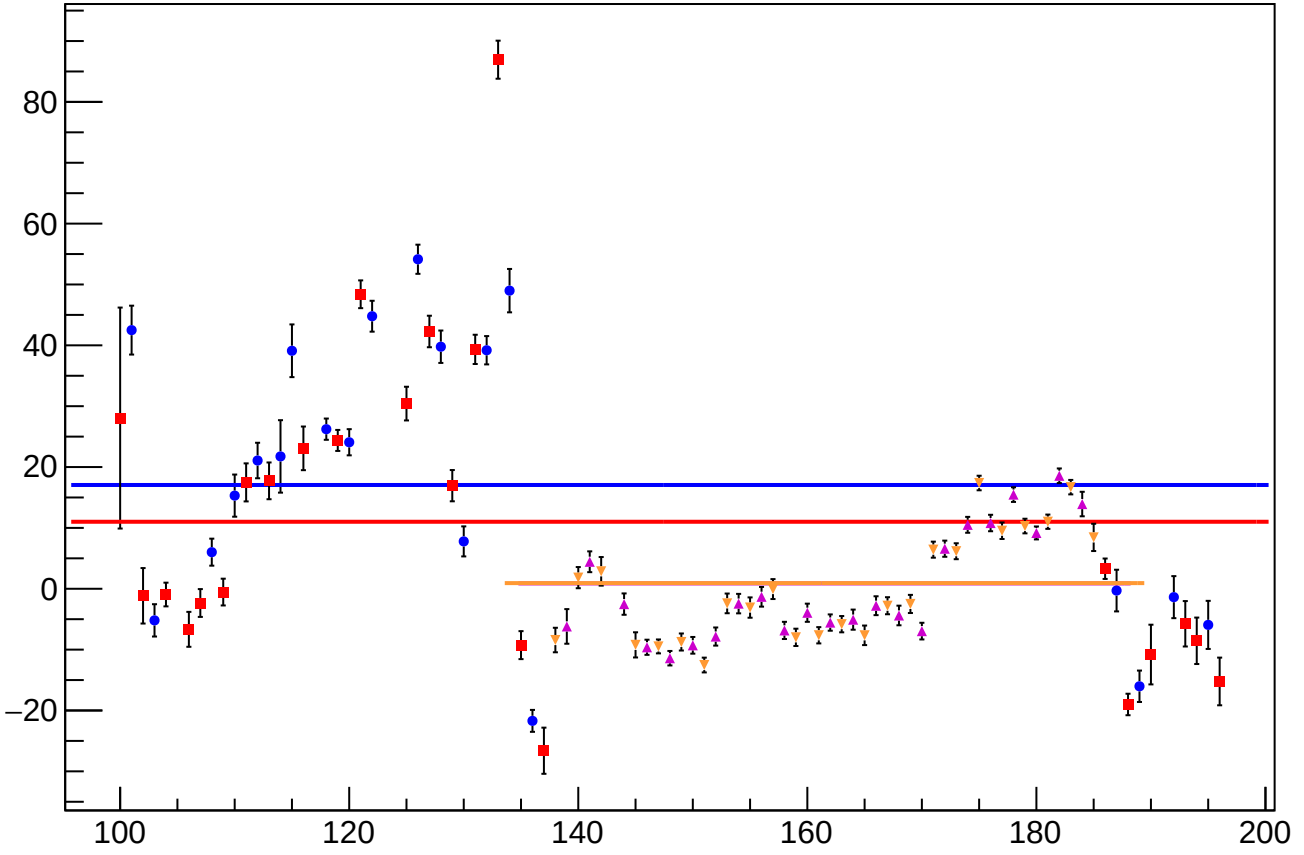
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.918+/-0.272 χ^2/NDF: 16170.1/43

All: 23.298+/-0.183 χ^2/NDF: 31558.5/90

- sign 24.436+/-0.247 χ^2/NDF: 15341.4/46

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 17.053+/-0.595 χ^2/NDF: 1534.4/19

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

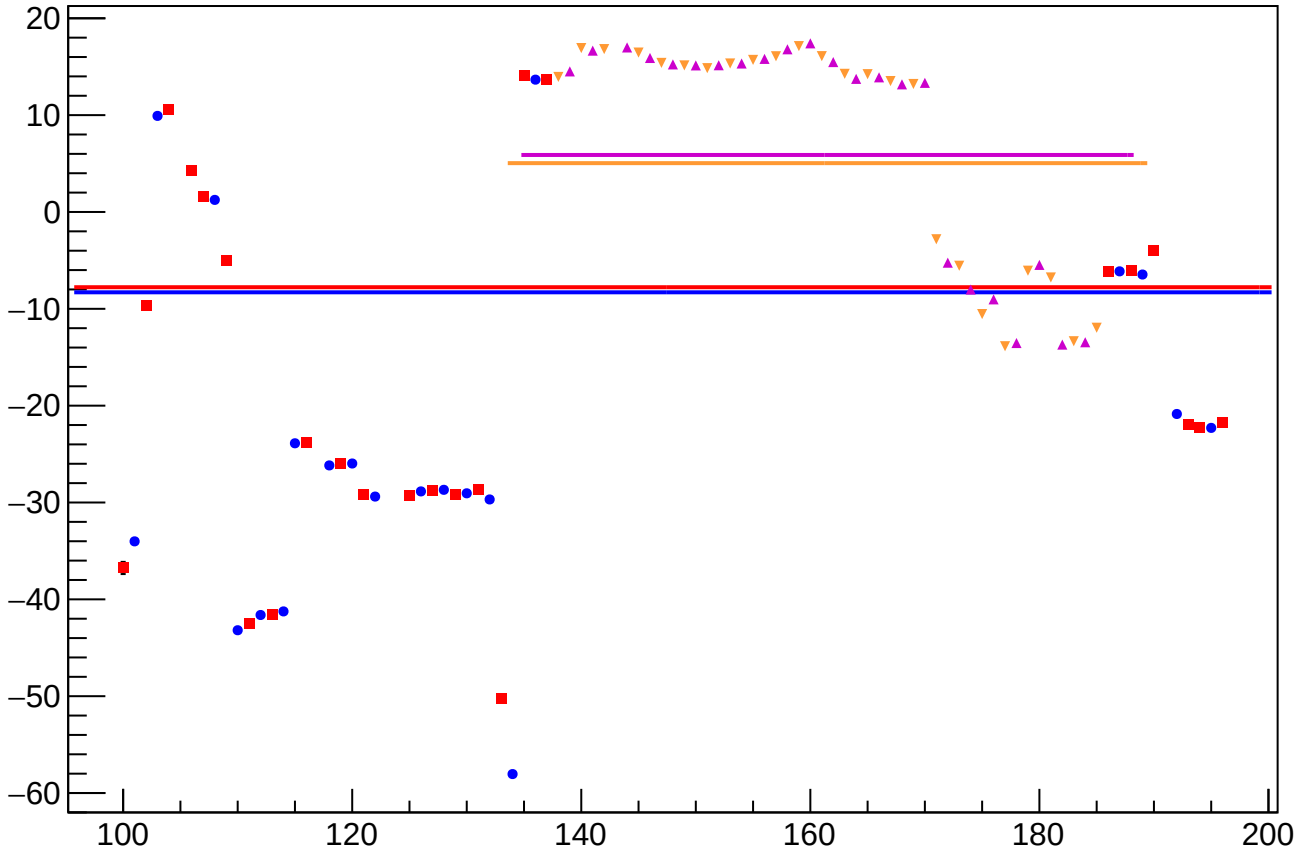
Right Out: 11.011+/-0.531 χ^2/NDF: 2020.7/23

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.054+/-0.262 χ^2/NDF: 3167.8/43

All: 3.670+/-0.184 χ^2/NDF: 6475.8/90

- sign 3.293+/-0.259 χ^2/NDF: 3303.7/46



Right In: -8.296+/-0.029 χ^2/NDF: 441204.8/19

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

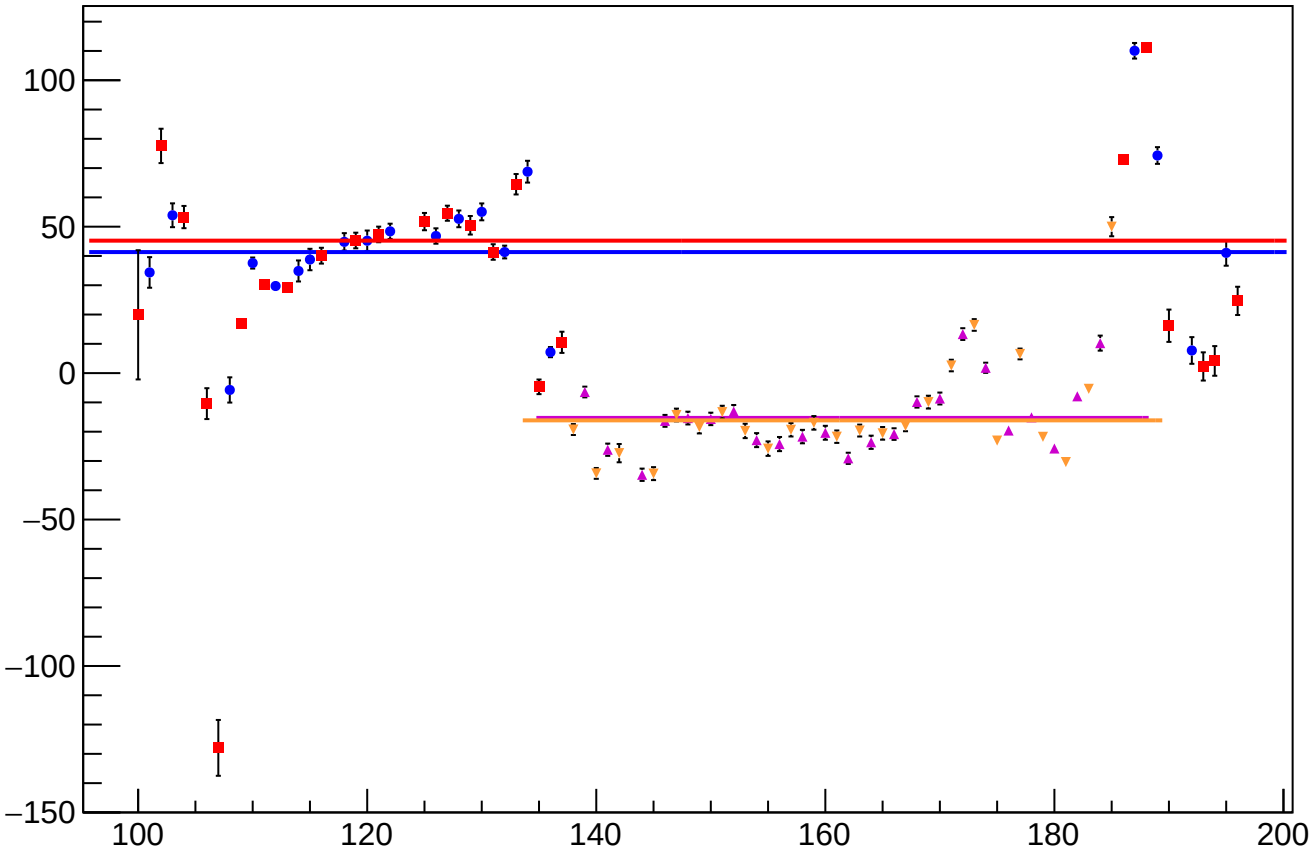
Right Out: -7.770+/-0.027 χ^2/NDF: 360878.0/23

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.851+/-0.012 χ^2/NDF: 1468096.1/43

All: 3.090+/-0.008 χ^2/NDF: 2878361.8/90

- sign 3.326+/-0.012 χ^2/NDF: 1409465.5/46



Right In: 41.328+/-0.610 χ^2/NDF: 1538.7/19

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.227+/-0.538 χ^2/NDF: 3893.0/23

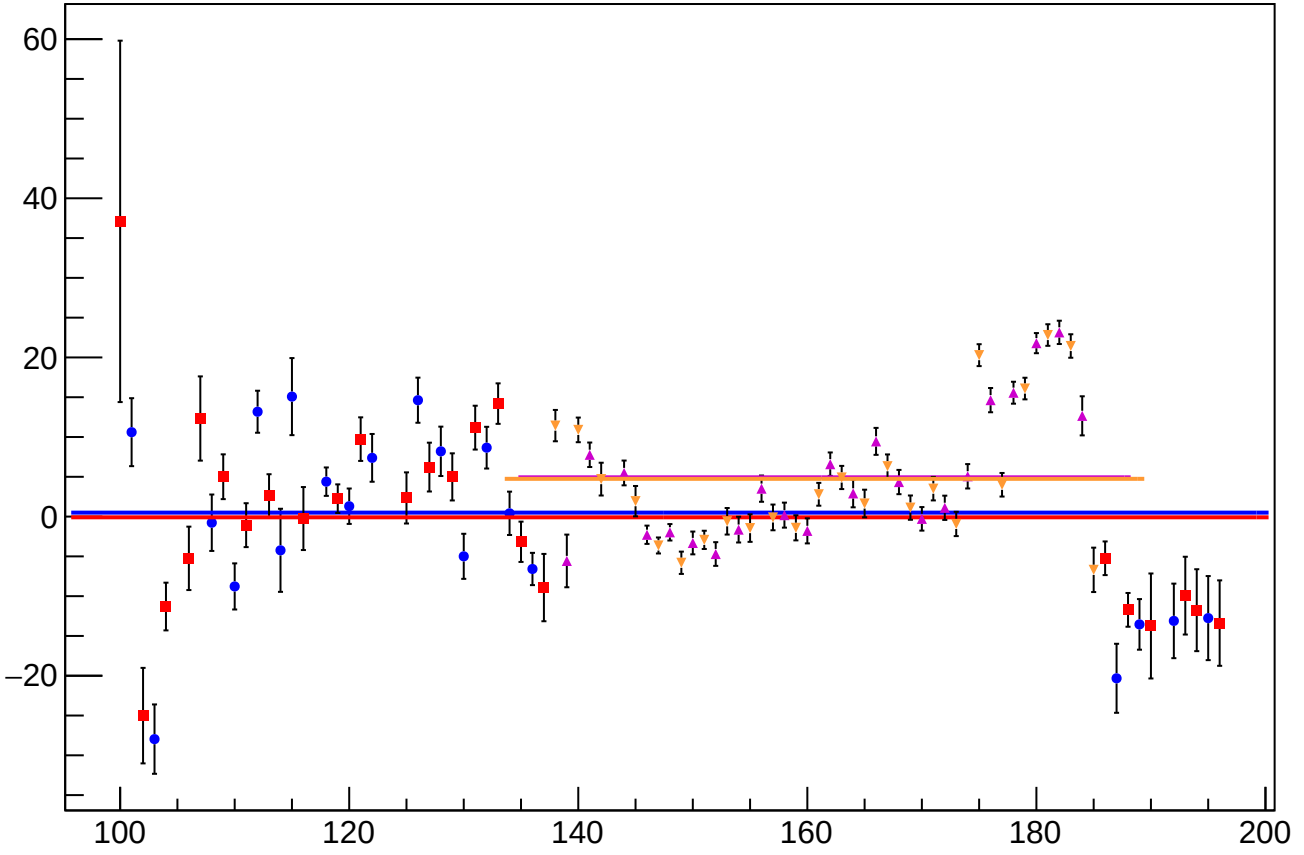
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.006+/-0.333 χ^2/NDF: 9123.2/43

All: 3.817+/-0.232 χ^2/NDF: 22010.5/90

- 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: 0.498+/-0.664 χ^2/NDF: 215.6/19

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

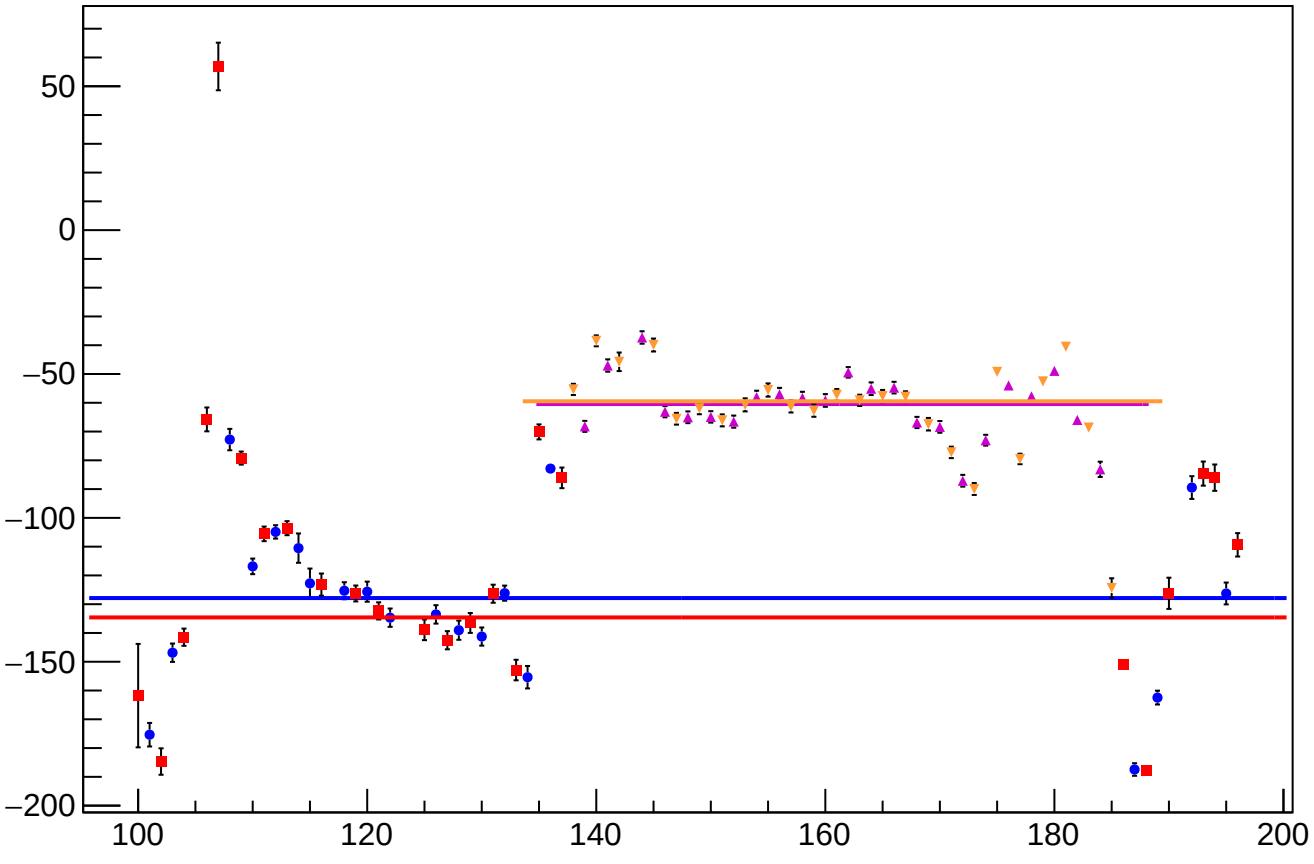
Right Out: -0.092+/-0.628 χ^2/NDF: 177.5/23

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.999+/-0.278 χ^2/NDF: 1043.1/43

All: 3.967+/-0.197 χ^2/NDF: 1960.3/90

- sign 3.934+/-0.280 χ^2/NDF: 917.2/46



Right In: -127.871+/-0.665 χ^2/NDF: 2306.2/19

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

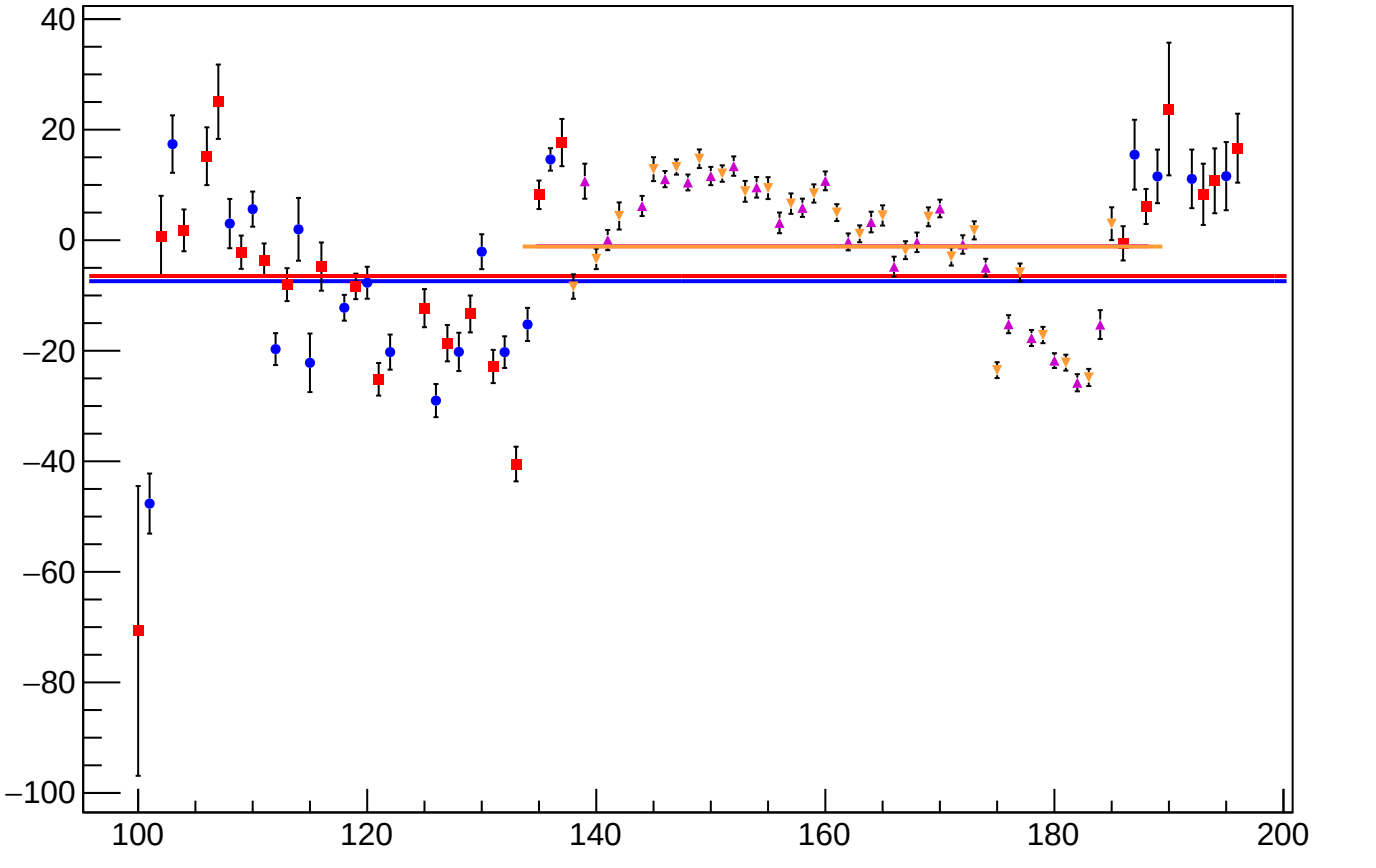
Right Out: -134.596+/-0.565 χ^2/NDF: 5013.5/23

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.310+/-0.340 χ^2/NDF: 11496.9/43

All: -81.385+/-0.235 χ^2/NDF: 28937.0/90

\- sign -85.145+/-0.326 χ^2/NDF: 17163.3/46



Right In: -7.413+/-0.765 χ^2/NDF: 412.3/19

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

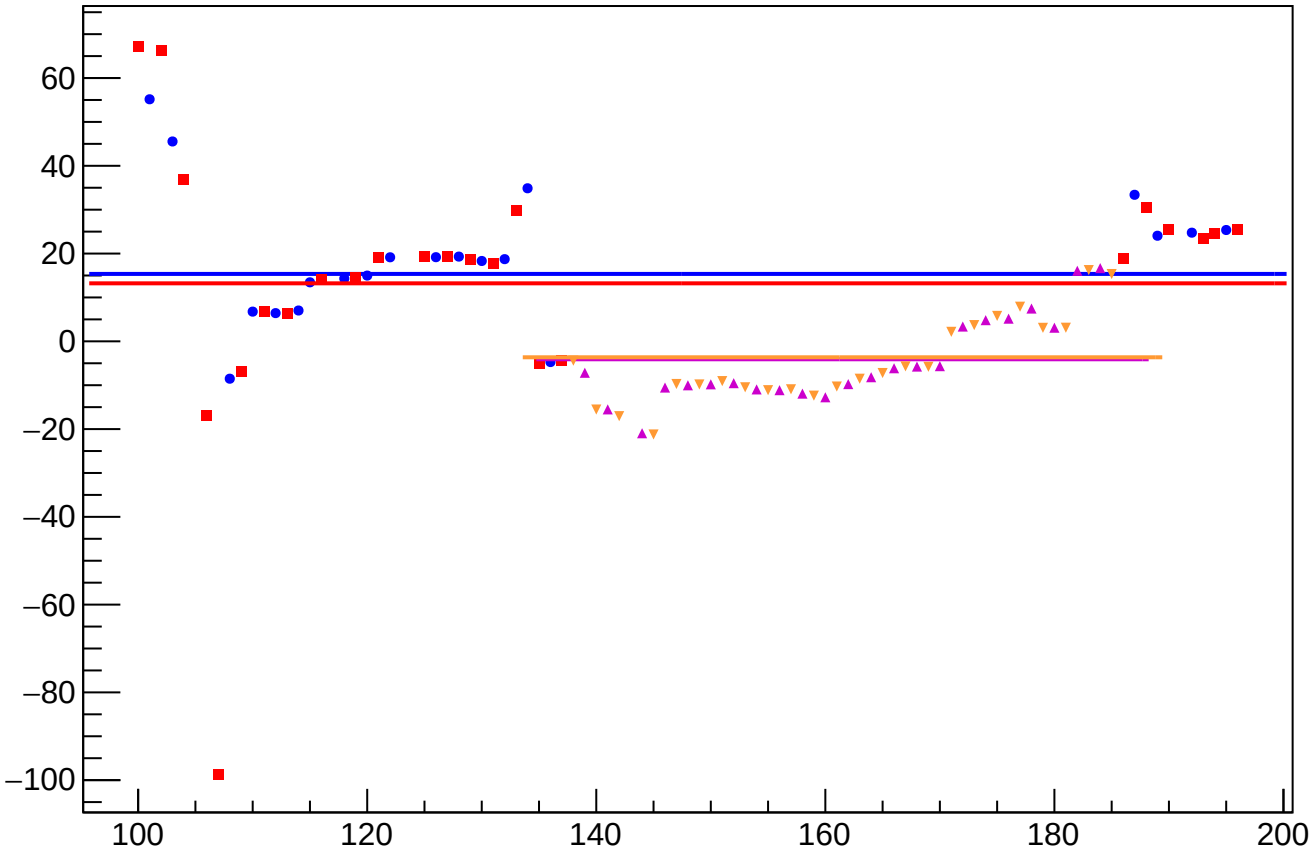
Right Out: -6.478+/-0.741 χ^2/NDF: 382.7/23

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.207+/-0.315 χ^2/NDF: 1771.0/43

All: -2.141+/-0.224 χ^2/NDF: 3354.5/90

- sign -2.074+/-0.318 χ^2/NDF: 1583.4/46



Right In: 15.361+/-0.041 χ^2/NDF: 195804.3/19

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

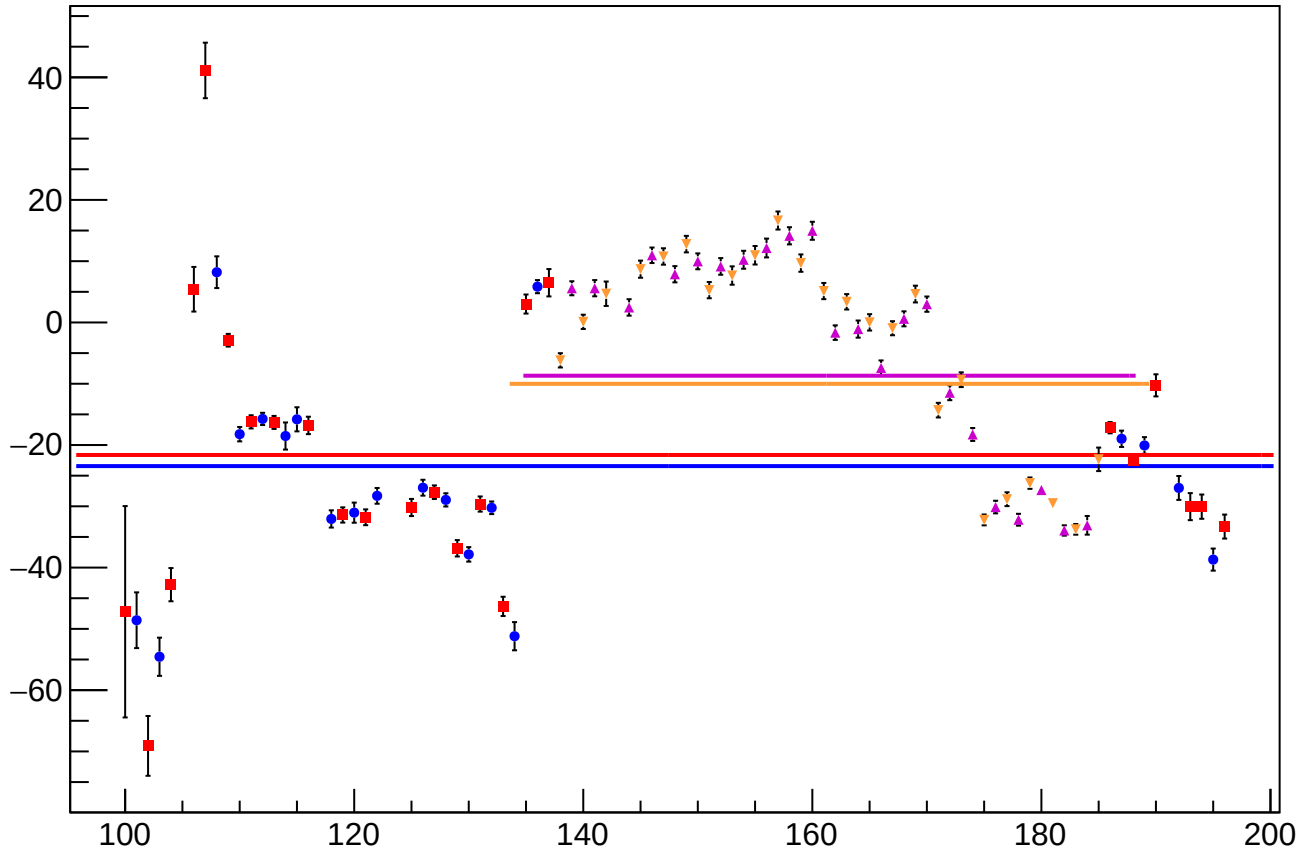
Right Out: 13.217+/-0.041 χ^2/NDF: 324011.3/23

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.324+/-0.014 χ^2/NDF: 725880.5/43

All: -1.606+/-0.010 χ^2/NDF: 1541897.6/90

- sign -1.890+/-0.015 χ^2/NDF: 815256.0/46



Right In: -23.440+/-0.319 χ^2/NDF: 1660.4/19

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

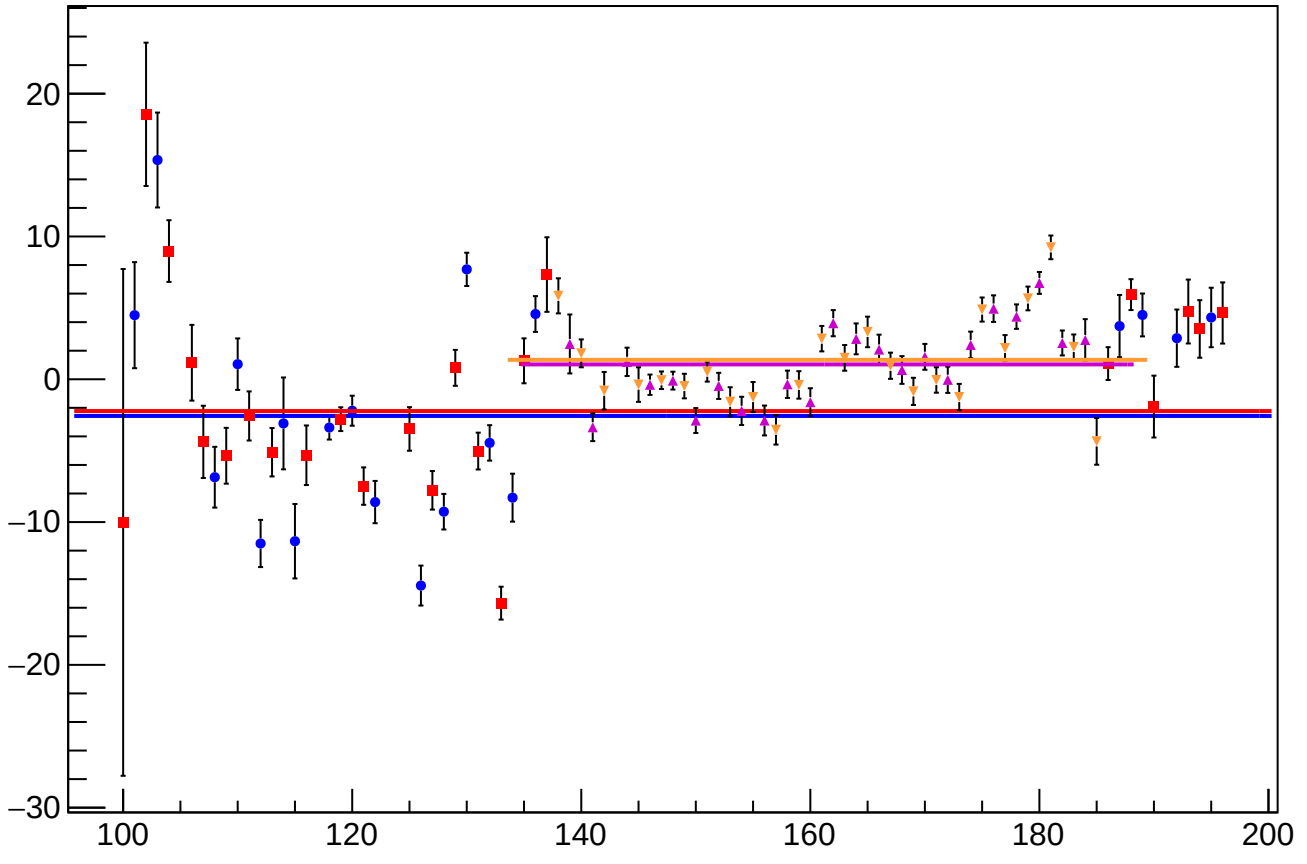
Right Out: -21.623+/-0.287 χ^2/NDF: 1946.3/23

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.975+/-0.194 χ^2/NDF: 7754.0/43

All: -14.584+/-0.135 χ^2/NDF: 15895.9/90

- sign -14.220+/-0.187 χ^2/NDF: 8134.1/46



Right In: -2.568+/-0.338 χ^2/NDF: 372.8/19

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.226+/-0.320 χ^2/NDF: 347.3/23

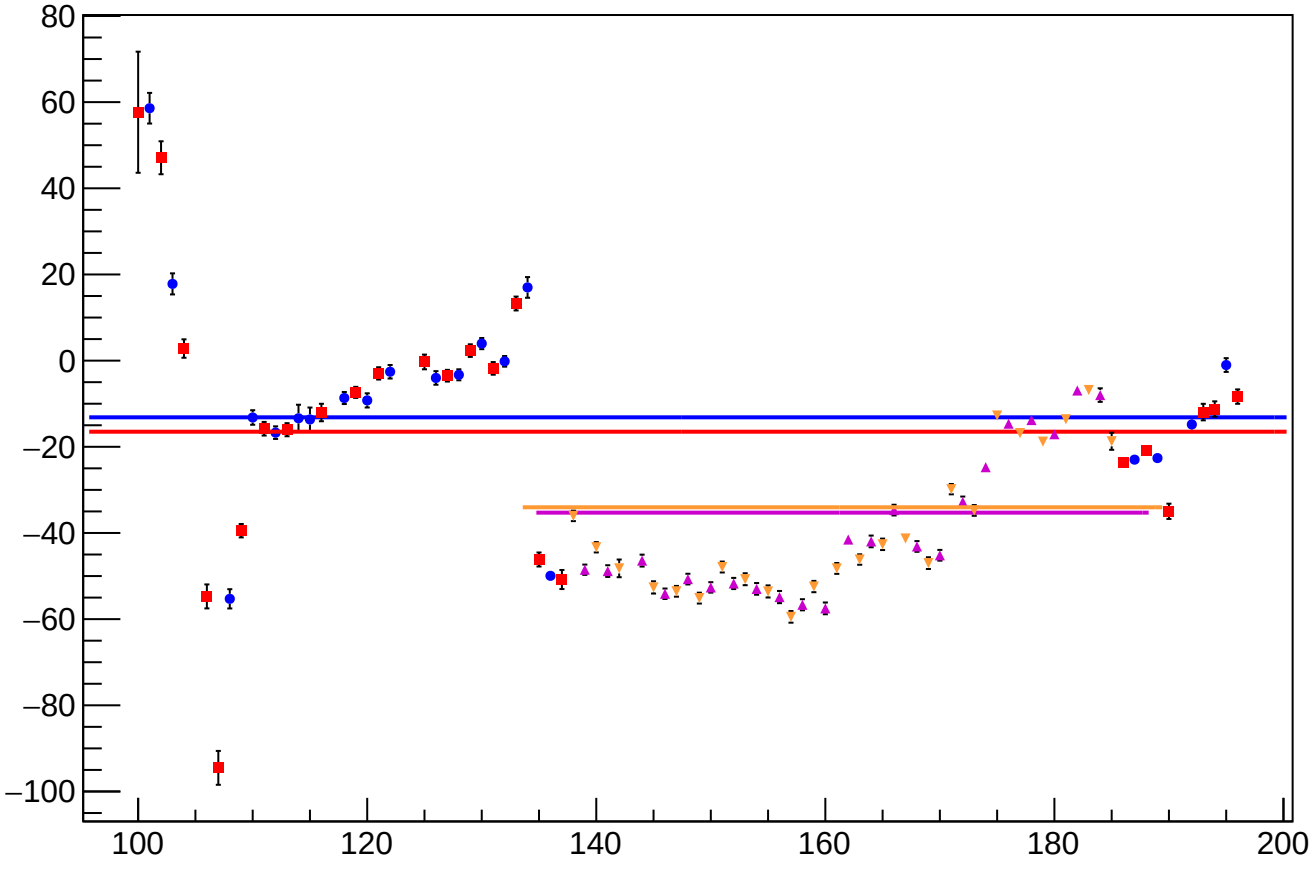
Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.432+/-0.165 χ^2/NDF: 716.1/43

All: 0.303+/-0.116 χ^2/NDF: 1337.3/90

\- 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: -13.157+/-0.345 χ^2/NDF: 2886.4/19

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.497+/-0.294 χ^2/NDF: 2987.4/23

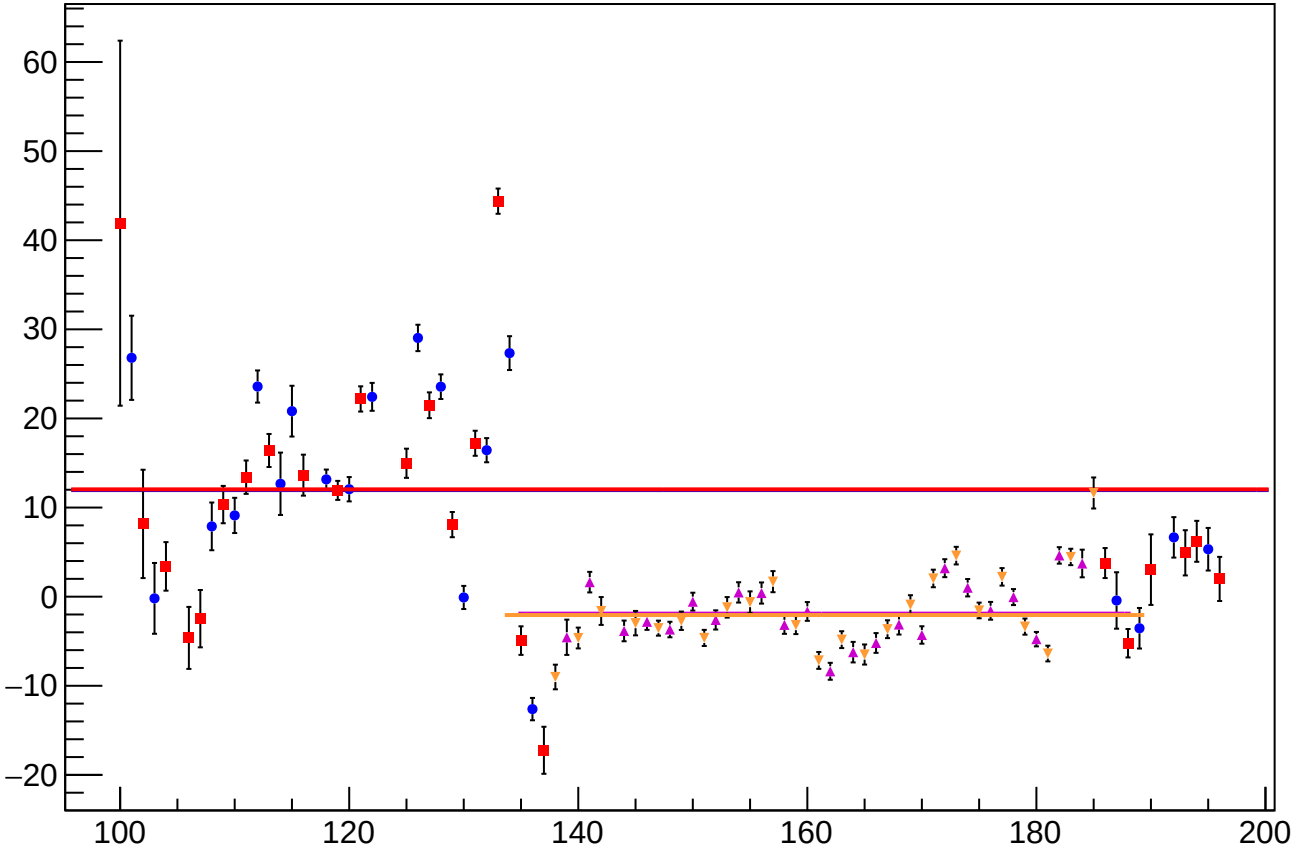
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.139+/-0.198 χ^2/NDF: 10300.2/43

All: -27.372+/-0.137 χ^2/NDF: 20691.2/90

- 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: 11.962+/-0.393 χ^2/NDF: 945.3/19

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.041+/-0.380 χ^2/NDF: 1116.1/23

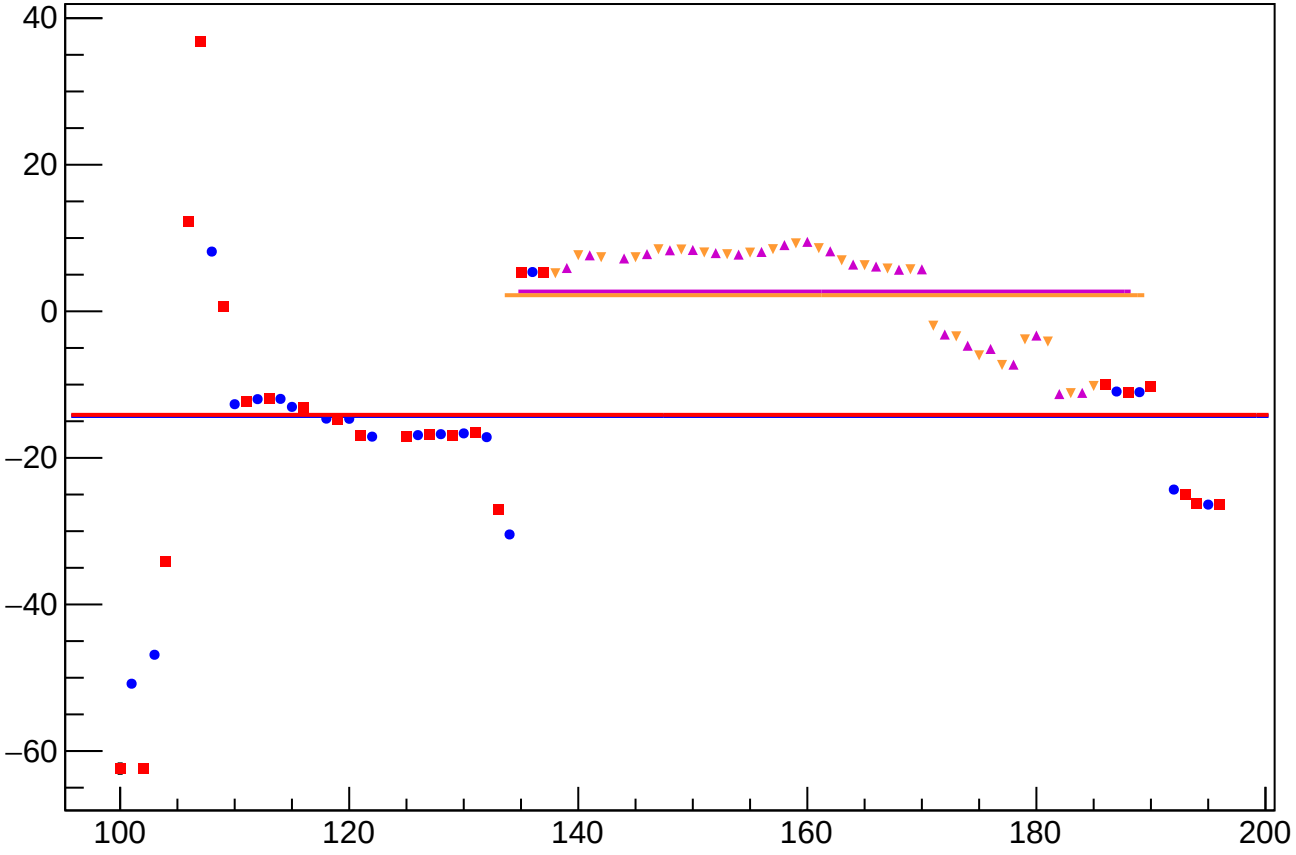
Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.105+/-0.187 χ^2/NDF: 2263.7/43

All: 1.303+/-0.132 χ^2/NDF: 4621.0/90

- sign 1.503+/-0.188 χ^2/NDF: 2355.1/46

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -14.281+/-0.022 χ^2/NDF: 421187.1/19

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -14.128+/-0.021 χ^2/NDF: 499069.7/23

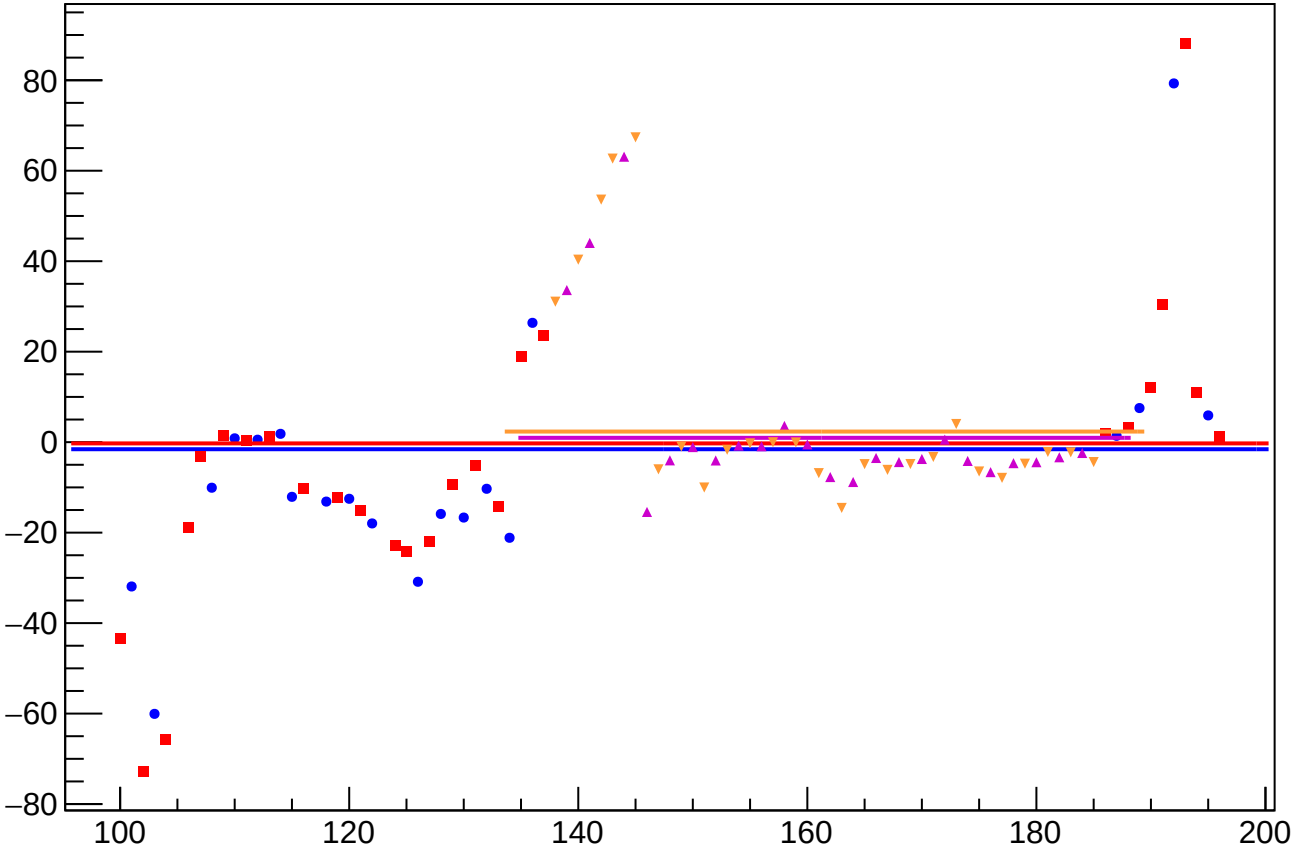
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -0.302+/-0.009 χ^2/NDF: 1386631.1/43

All: -0.200+/-0.006 χ^2/NDF: 2899769.5/90

\- sign -0.099+/-0.009 χ^2/NDF: 1512870.0/46

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -1.563+/-0.049 χ^2/NDF: 112009.1/19

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.276+/-0.040 χ^2/NDF: 114588.8/25

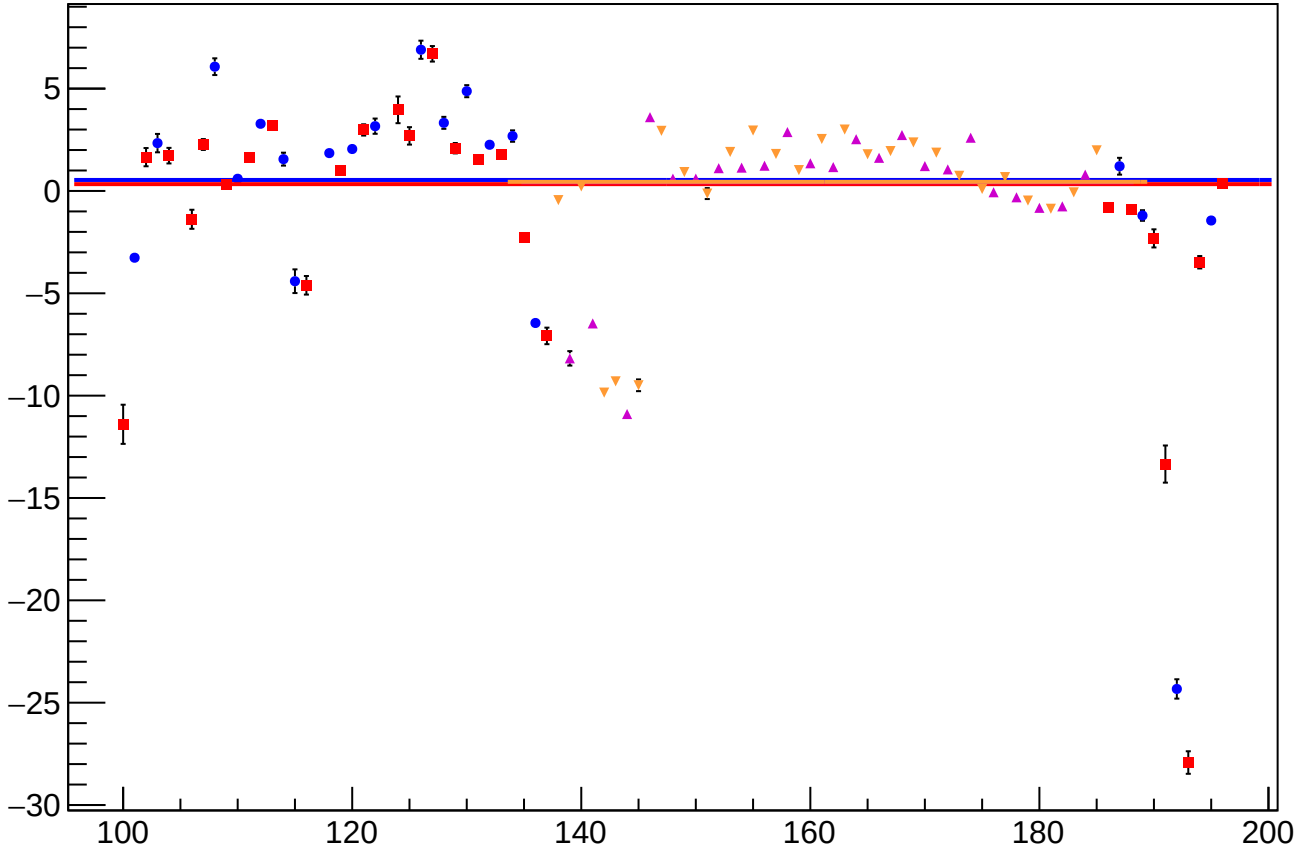
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.784+/-0.031 χ^2/NDF: 292745.9/44

All: 0.535+/-0.021 χ^2/NDF: 540451.2/93

- sign 0.334+/-0.028 χ^2/NDF: 247590.5/48

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.537+/-0.056 χ^2/NDF: 5616.5/19

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.333+/-0.049 χ^2/NDF: 4912.7/25

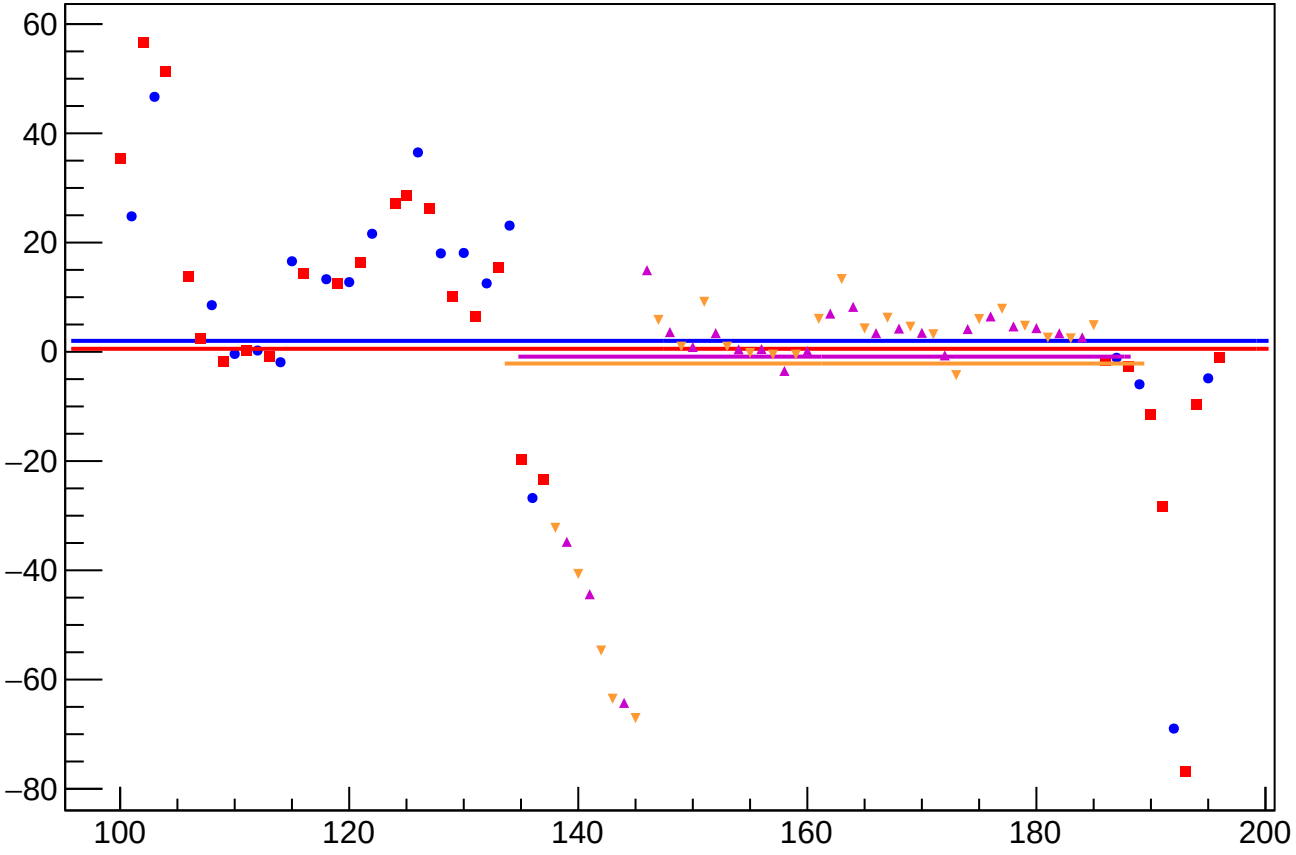
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.470+/-0.028 χ^2/NDF: 12662.8/44

All: 0.433+/-0.019 χ^2/NDF: 24683.7/93

- sign 0.400+/-0.027 χ^2/NDF: 12017.7/48

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 2.008+/-0.054 χ^2/NDF: 110829.1/19

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

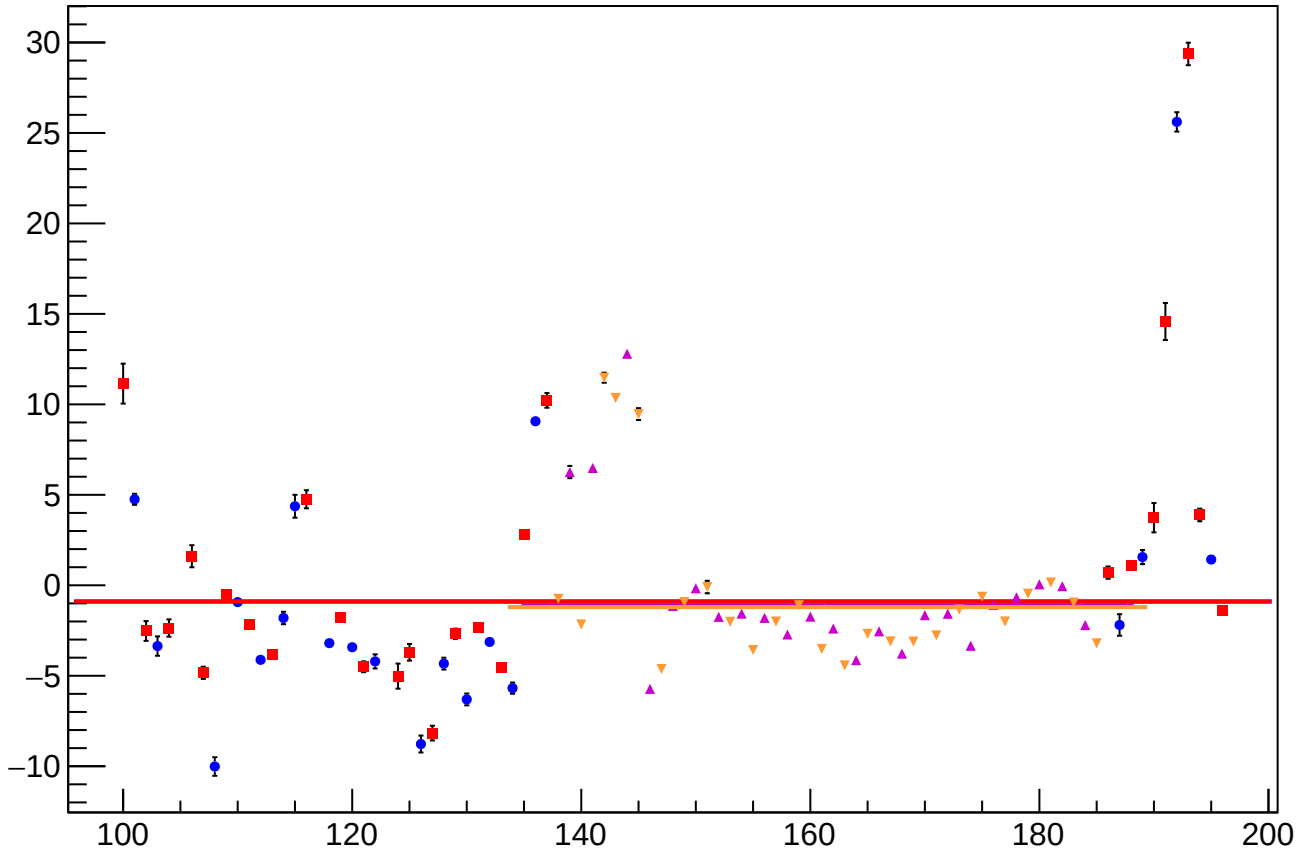
Right Out: 0.555+/-0.043 χ^2/NDF: 112924.0/25

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.674+/-0.032 χ^2/NDF: 285862.2/44

All: -0.428+/-0.022 χ^2/NDF: 528693.3/93

- sign -0.229+/-0.029 χ^2/NDF: 242726.6/48



Right In: -0.901+/-0.065 χ^2/NDF: 7233.5/19

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.888+/-0.058 χ^2/NDF: 5498.0/25

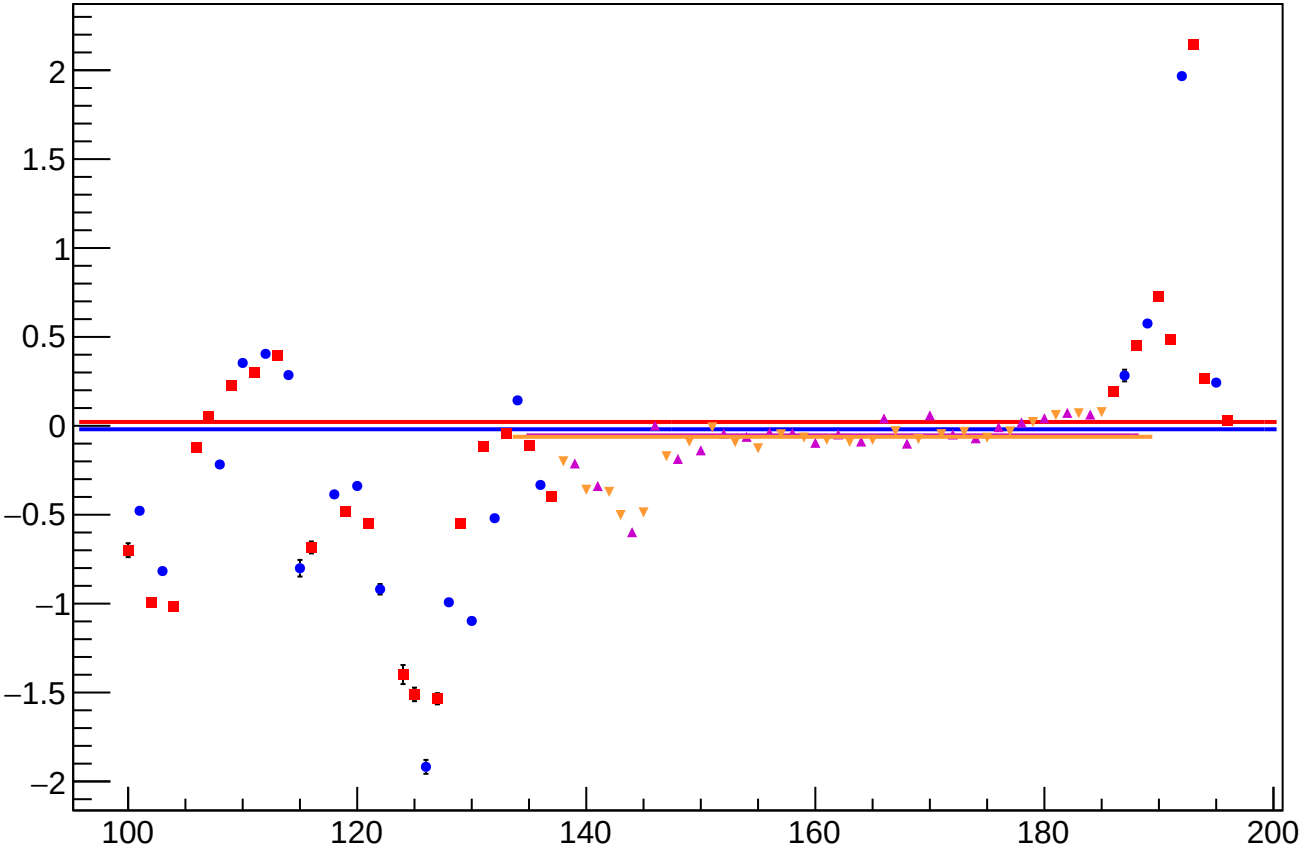
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.133+/-0.032 χ^2/NDF: 14253.3/44

All: -1.083+/-0.022 χ^2/NDF: 26794.5/93

- sign -1.039+/-0.030 χ^2/NDF: 12536.5/48

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.019+/-0.003 χ^2/NDF: 32196.2/19

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.022+/-0.003 χ^2/NDF: 32771.1/25

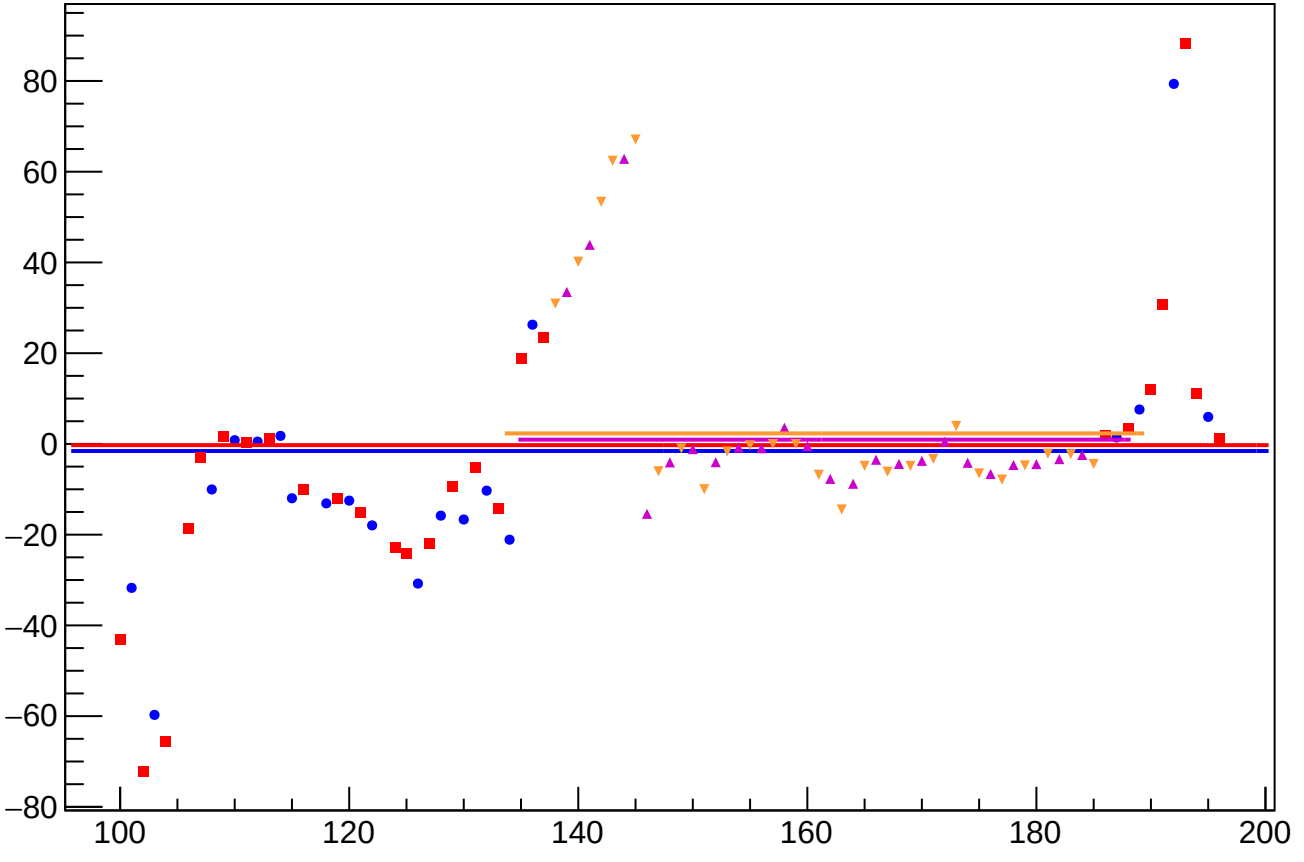
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.054+/-0.001 χ^2/NDF: 38035.1/44

All: -0.046+/-0.001 χ^2/NDF: 76402.3/93

- sign -0.039+/-0.001 χ^2/NDF: 38307.3/48

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -1.560+/-0.049 χ^2/NDF: 112348.9/19

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.268+/-0.039 χ^2/NDF: 114965.4/25

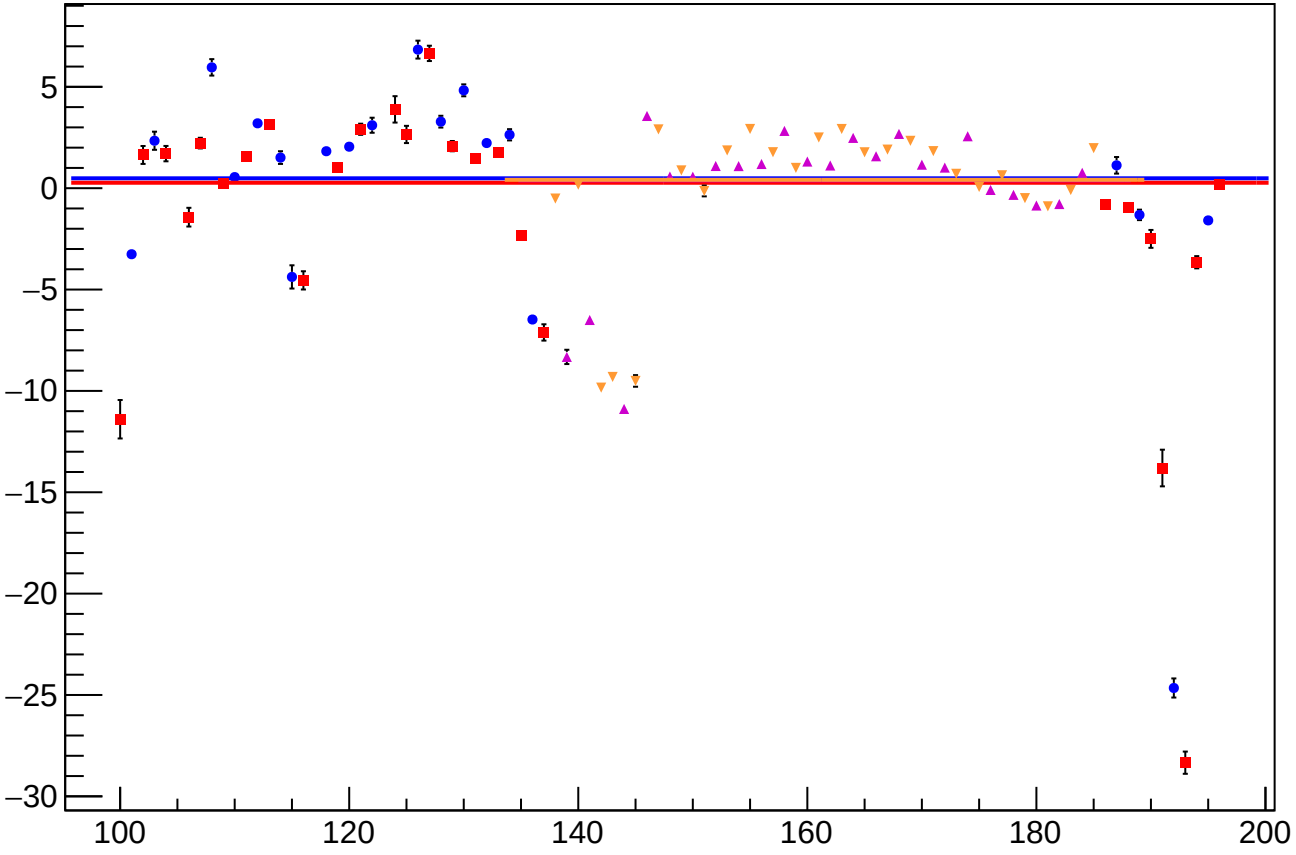
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.767+/-0.031 χ^2/NDF: 292829.3/44

All: 0.522+/-0.021 χ^2/NDF: 540775.2/93

- sign 0.325+/-0.028 χ^2/NDF: 247834.0/48

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.488+/-0.055 χ^2/NDF: 5720.4/19

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.269+/-0.049 χ^2/NDF: 5053.9/25

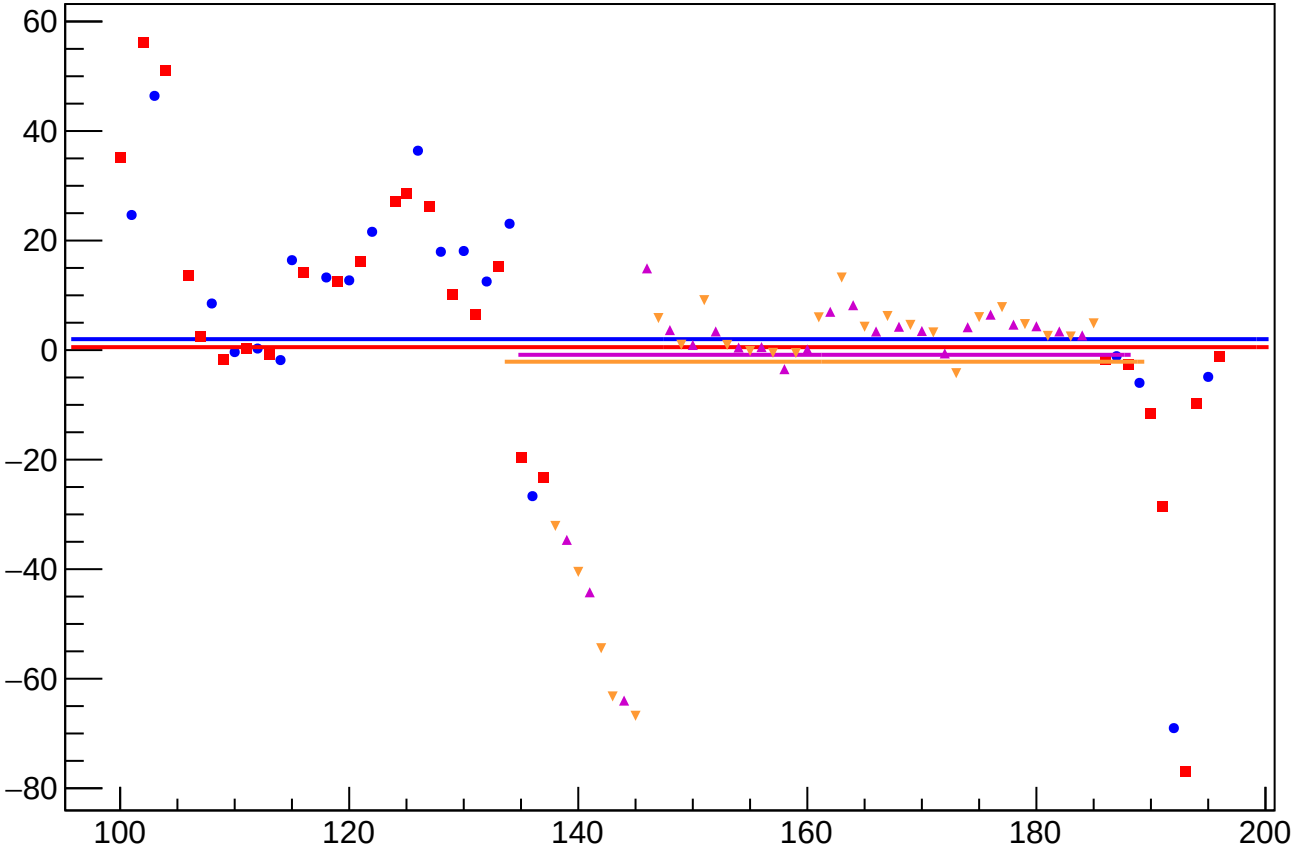
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.433+/-0.028 χ^2/NDF: 12769.0/44

All: 0.391+/-0.019 χ^2/NDF: 24945.5/93

- sign 0.354+/-0.026 χ^2/NDF: 12172.4/48

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 2.000+/-0.054 χ^2/NDF: 111160.2/19

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.539+/-0.043 χ^2/NDF: 113299.1/25

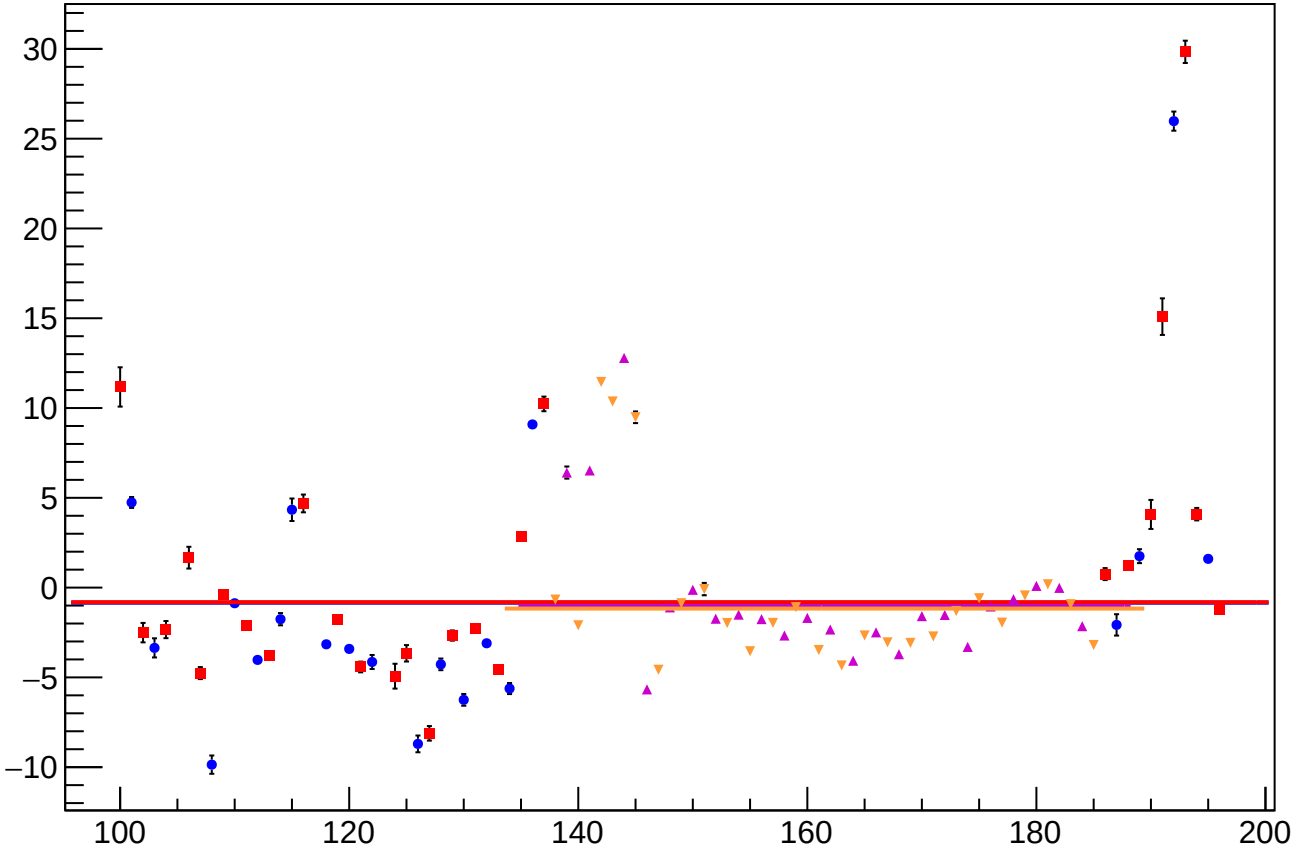
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.659+/-0.032 χ^2/NDF: 285937.9/44

All: -0.416+/-0.022 χ^2/NDF: 529002.4/93

- sign -0.221+/-0.029 χ^2/NDF: 242962.5/48

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.841+/-0.064 χ^2/NDF: 7329.9/19

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.811+/-0.058 χ^2/NDF: 5633.4/25

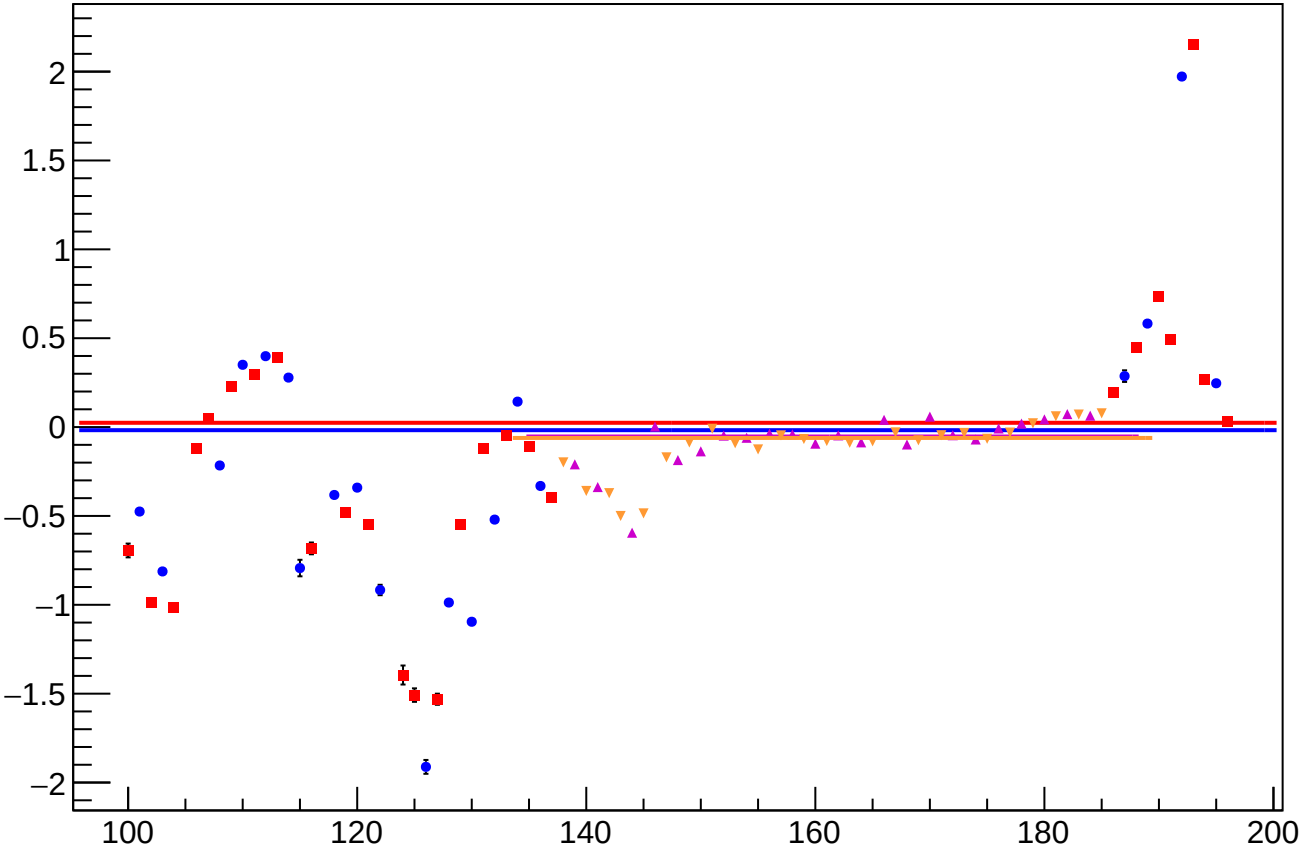
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.089+/-0.032 χ^2/NDF: 14350.7/44

All: -1.034+/-0.022 χ^2/NDF: 27043.1/93

- sign -0.985+/-0.030 χ^2/NDF: 12686.5/48

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.017+/-0.003 χ^2/NDF: 32441.8/19

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.024+/-0.003 χ^2/NDF: 33044.4/25

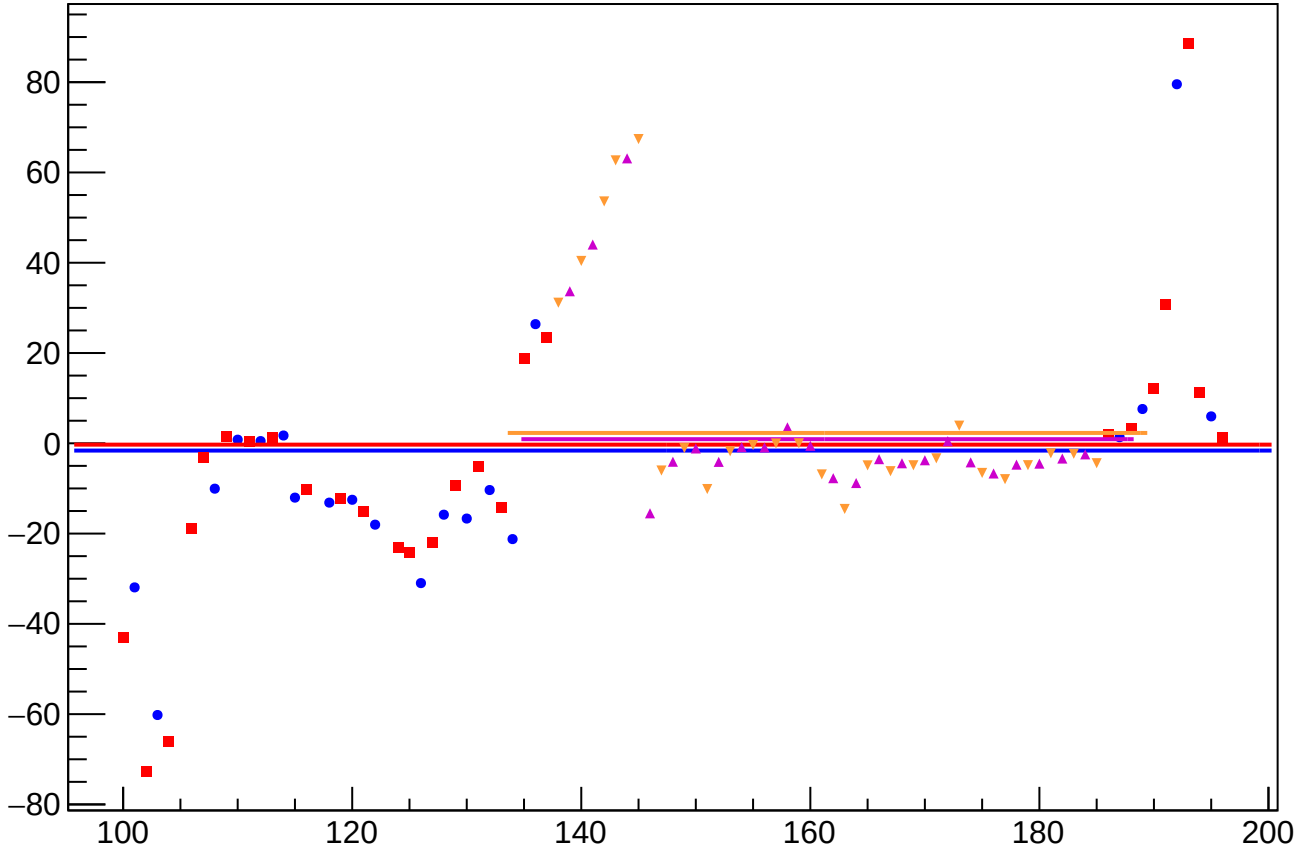
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.053+/-0.001 χ^2/NDF: 38307.9/44

All: -0.045+/-0.001 χ^2/NDF: 76954.0/93

- sign -0.038+/-0.001 χ^2/NDF: 38582.4/48

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -1.610+/-0.049 χ^2/NDF: 112339.5/19

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.298+/-0.039 χ^2/NDF: 114973.3/25

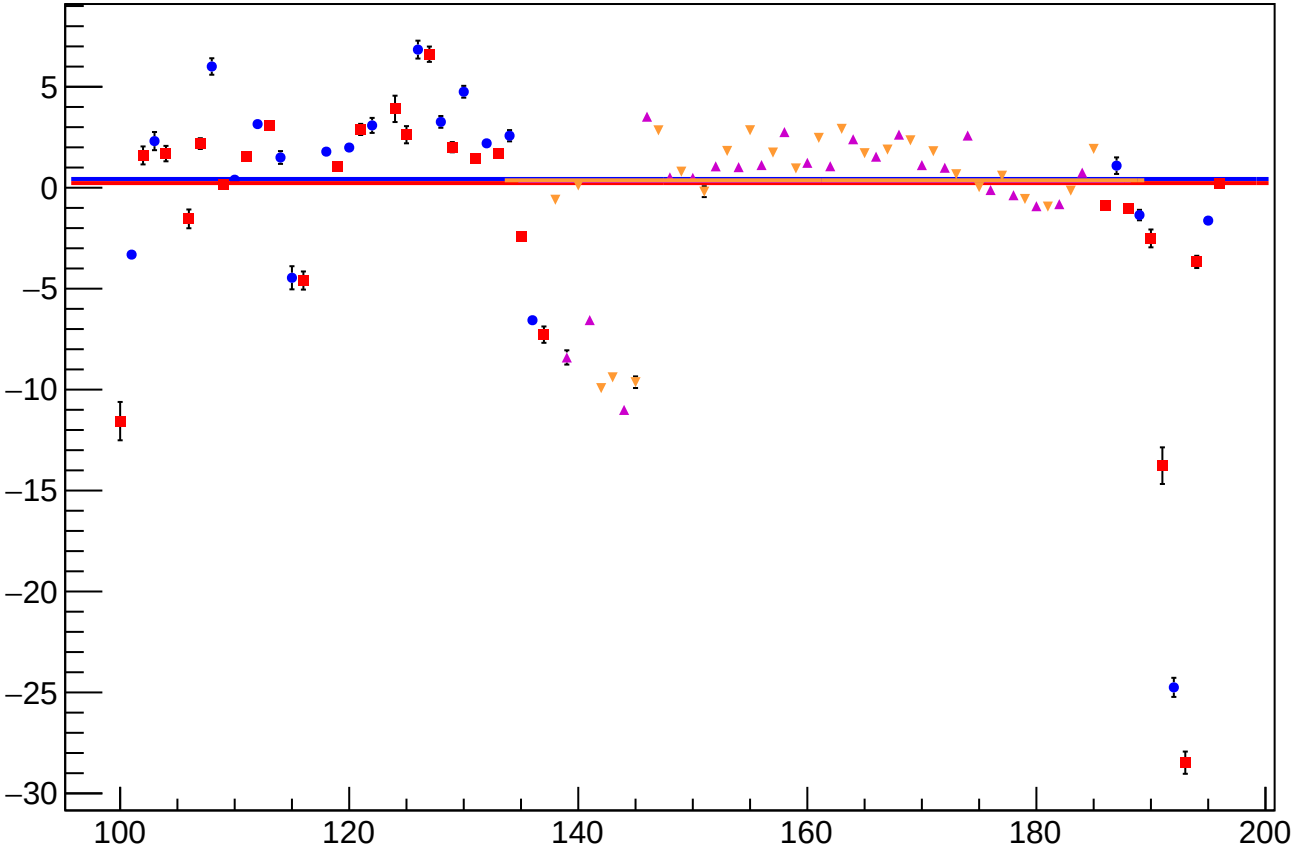
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.738+/-0.031 χ^2/NDF: 293273.9/44

All: 0.495+/-0.021 χ^2/NDF: 541393.8/93

- sign 0.300+/-0.028 χ^2/NDF: 248011.3/48

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.434+/-0.056 χ^2/NDF: 5714.0/19

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.229+/-0.049 χ^2/NDF: 5054.7/25

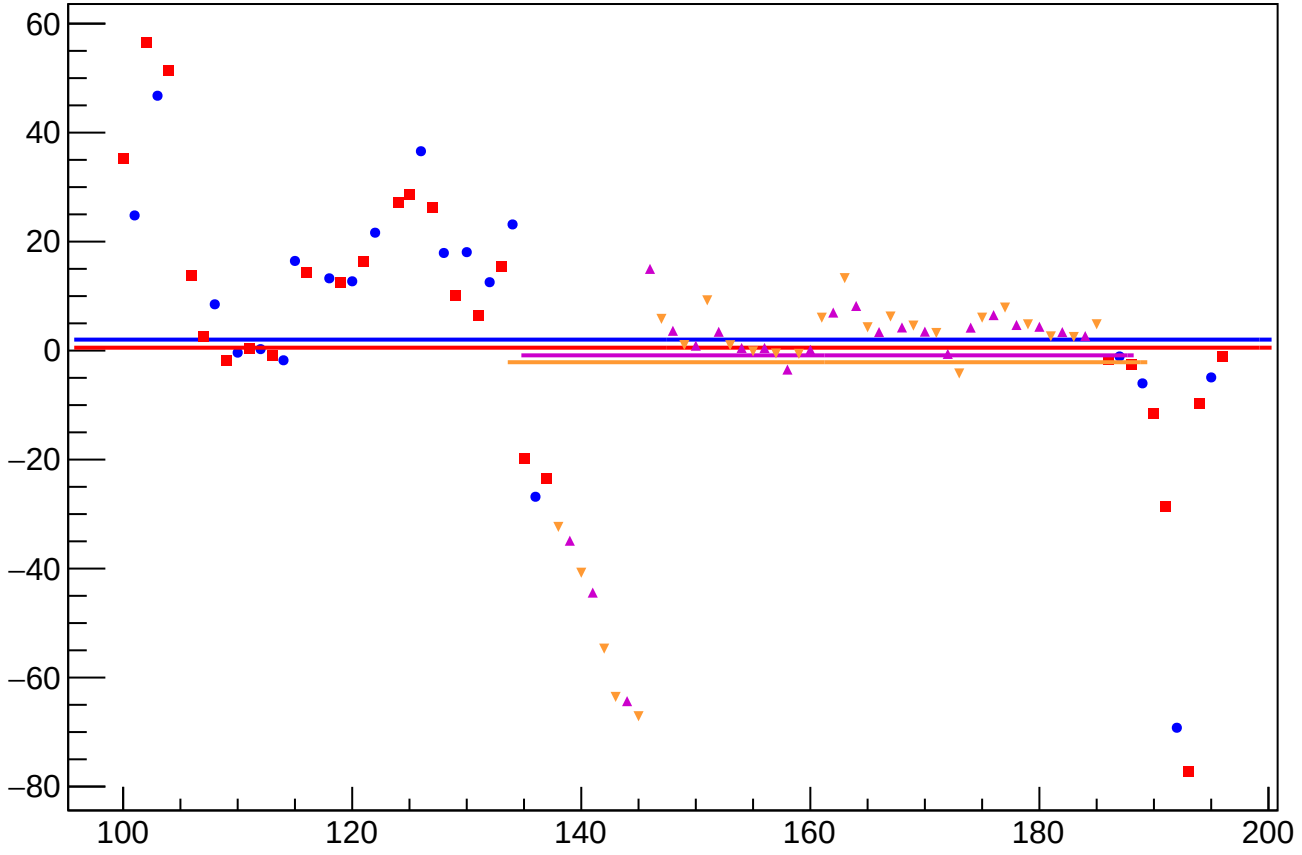
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.385+/-0.028 χ^2/NDF: 12783.1/44

All: 0.343+/-0.019 χ^2/NDF: 24939.6/93

- sign 0.306+/-0.027 χ^2/NDF: 12152.4/48

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 2.017+/-0.054 χ^2/NDF: 111169.3/19

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.535+/-0.043 χ^2/NDF: 113332.4/25

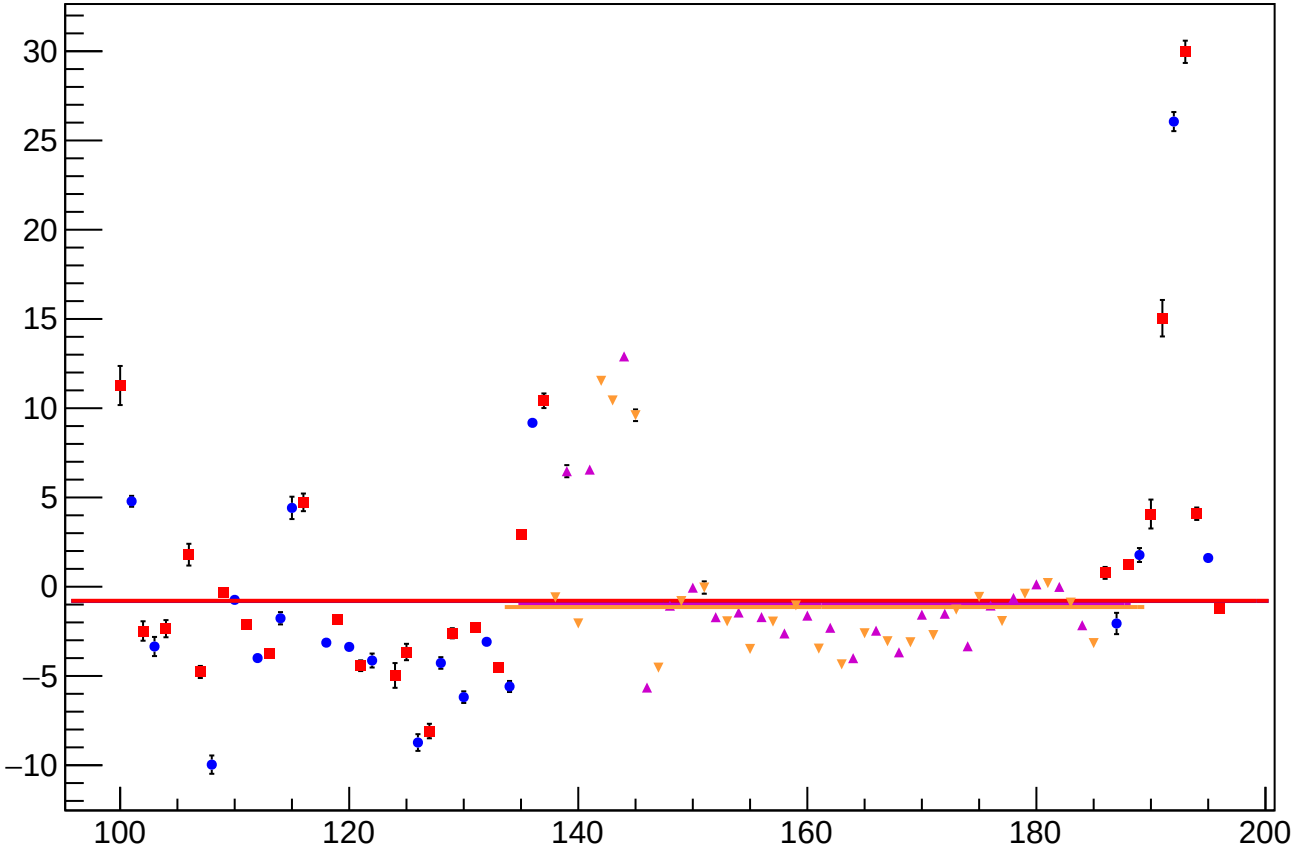
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.664+/-0.032 χ^2/NDF: 286393.1/44

All: -0.423+/-0.022 χ^2/NDF: 529670.6/93

- sign -0.230+/-0.029 χ^2/NDF: 243177.9/48

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.802+/-0.065 χ^2/NDF: 7327.9/19

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.788+/-0.058 χ^2/NDF: 5645.5/25

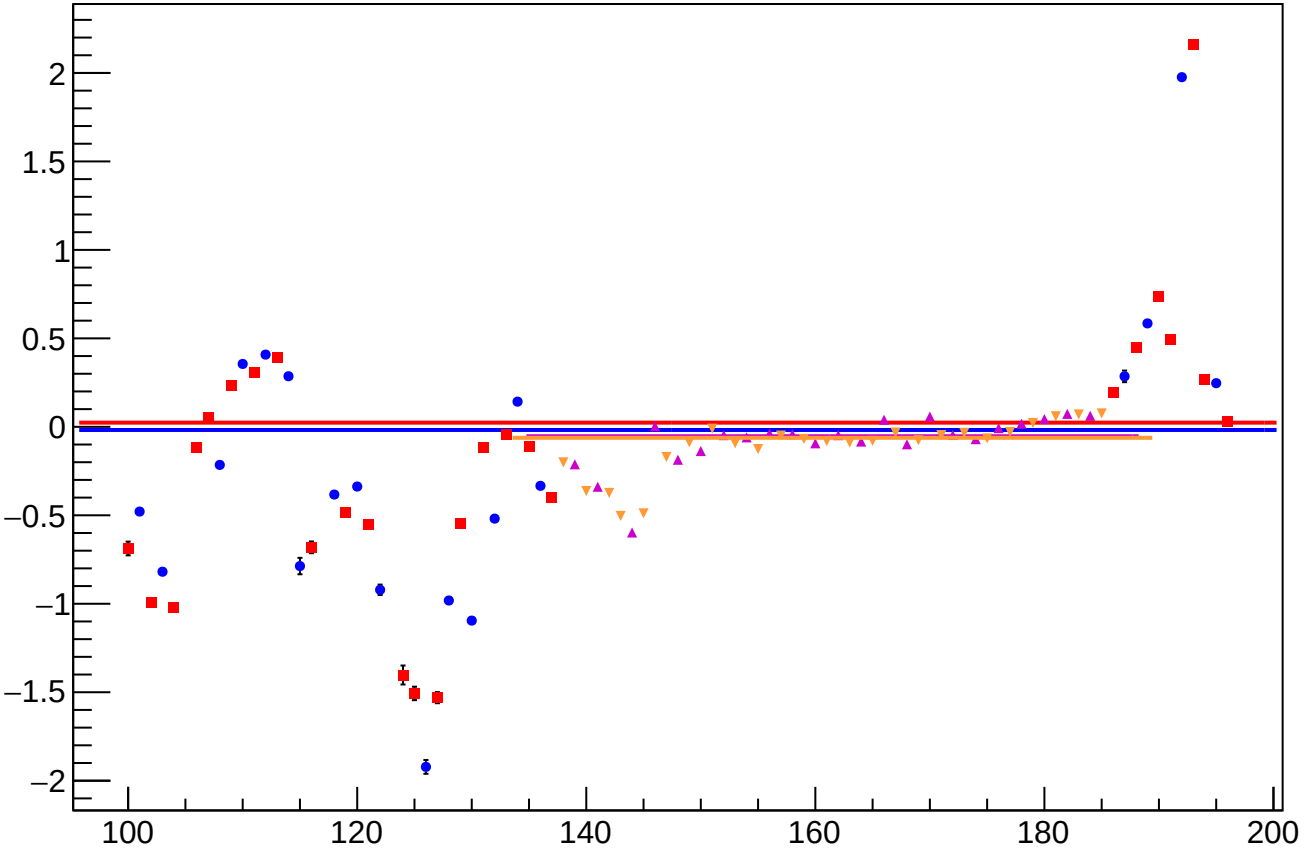
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.059+/-0.032 χ^2/NDF: 14371.5/44

All: -1.003+/-0.022 χ^2/NDF: 27061.2/93

- sign -0.954+/-0.030 χ^2/NDF: 12683.8/48

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.018+/-0.003 χ^2/NDF: 32433.7/19

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.024+/-0.003 χ^2/NDF: 33003.7/25

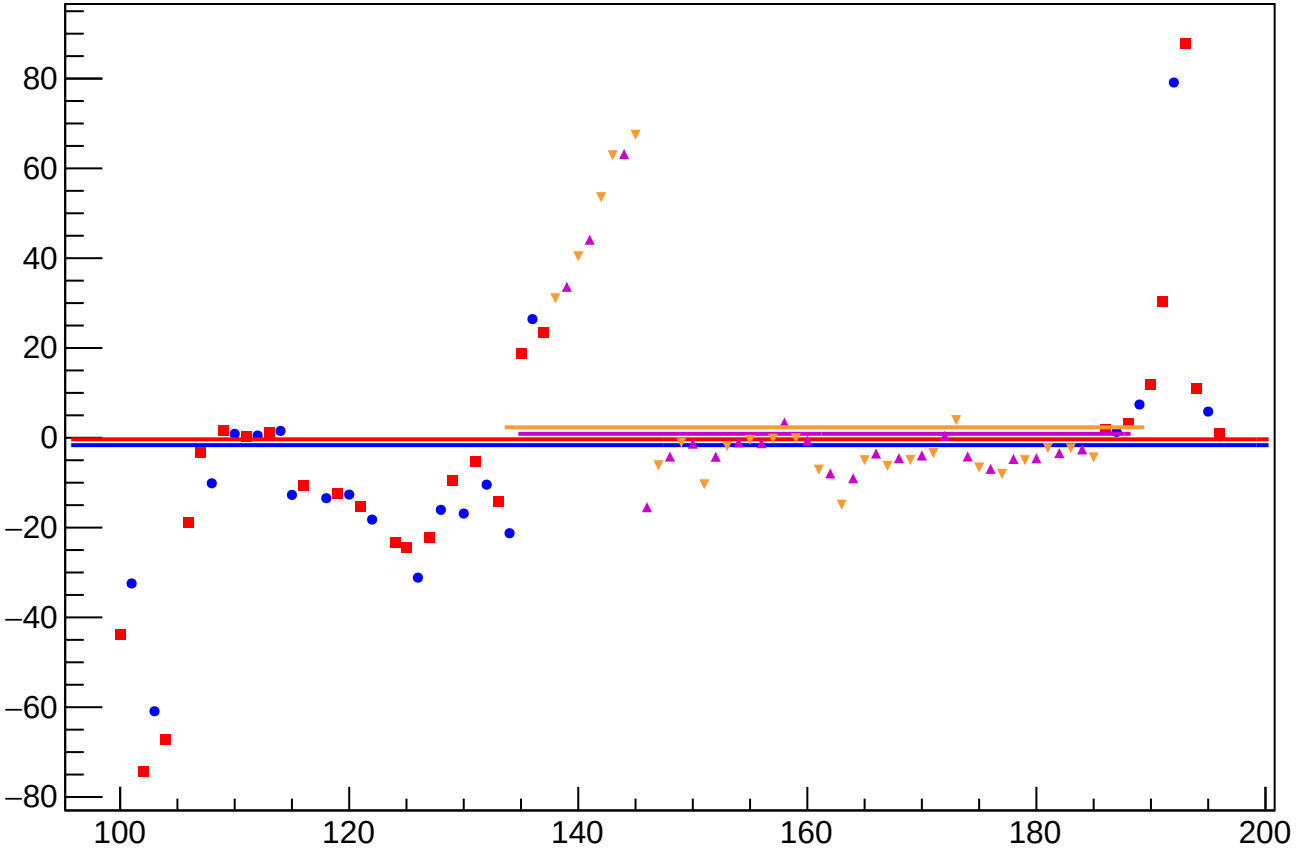
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.054+/-0.001 χ^2/NDF: 38309.1/44

All: -0.046+/-0.001 χ^2/NDF: 76898.9/93

- sign -0.038+/-0.001 χ^2/NDF: 38522.2/48

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -1.639+/-0.050 χ^2/NDF: 110700.2/19

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.341+/-0.040 χ^2/NDF: 113441.8/25

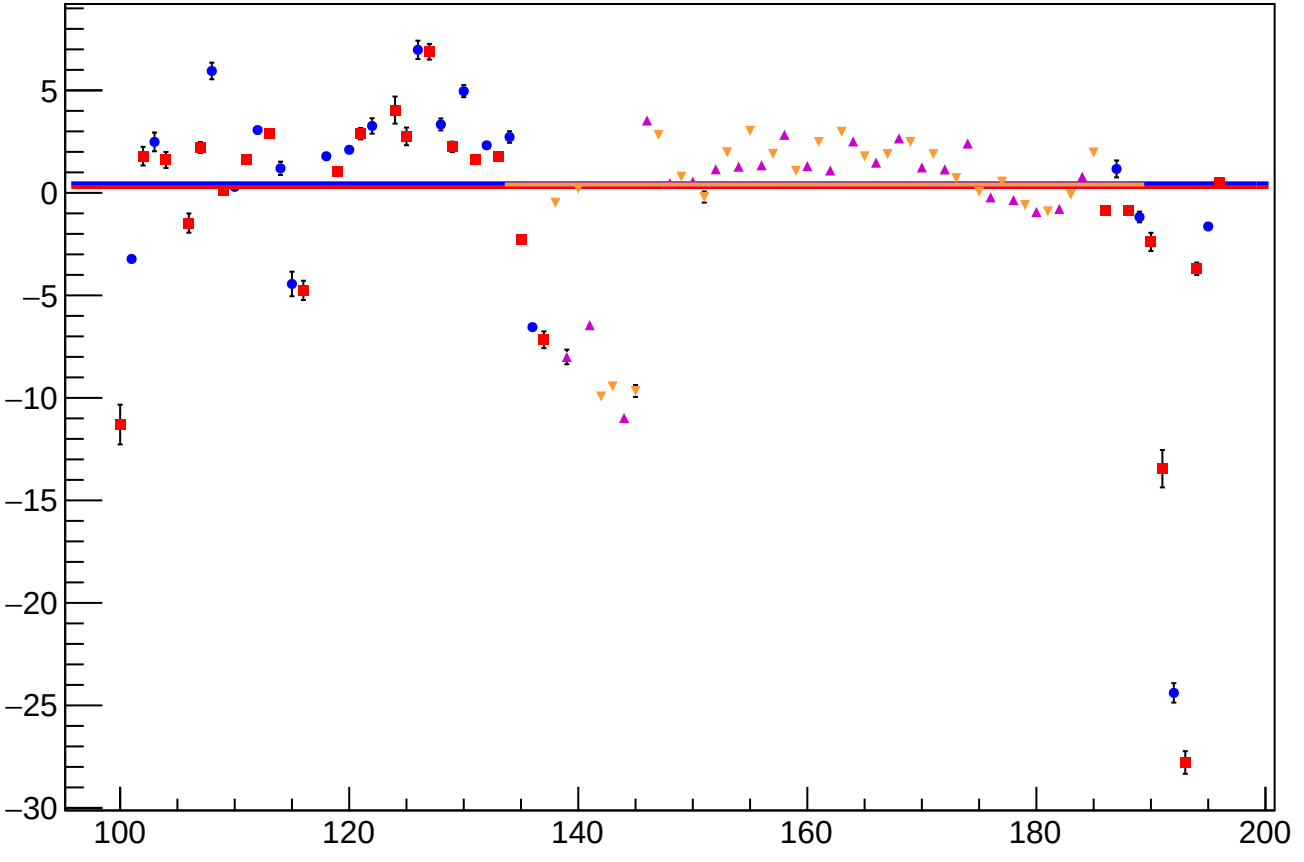
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.739+/-0.032 χ^2/NDF: 289085.6/44

All: 0.477+/-0.021 χ^2/NDF: 533529.0/93

- sign 0.264+/-0.029 χ^2/NDF: 244319.7/48

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.464+/-0.056 χ^2/NDF: 5574.2/19

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.286+/-0.050 χ^2/NDF: 4839.4/25

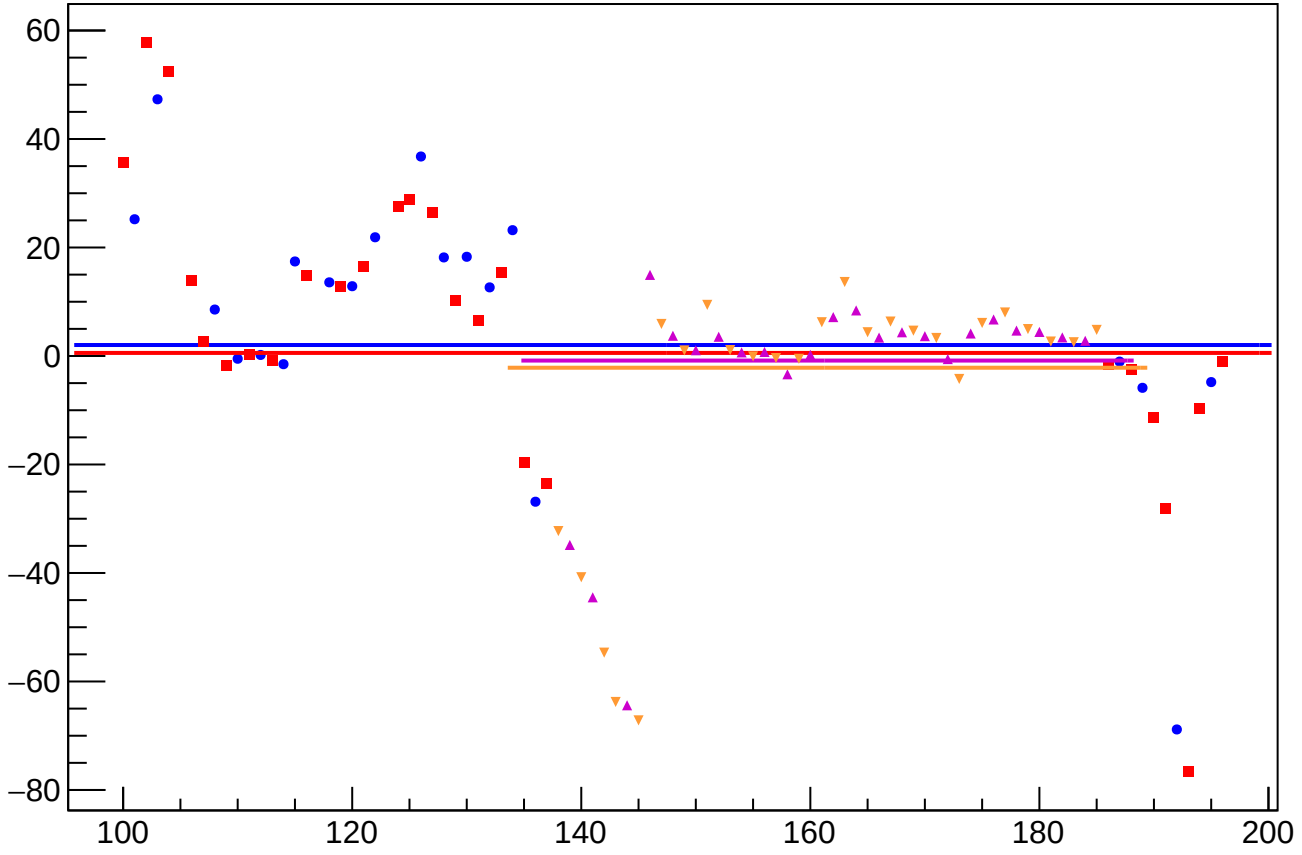
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.424+/-0.029 χ^2/NDF: 12622.8/44

All: 0.392+/-0.020 χ^2/NDF: 24399.9/93

- sign 0.364+/-0.027 χ^2/NDF: 11774.8/48

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 2.024+/-0.055 χ^2/NDF: 109583.8/19

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.566+/-0.044 χ^2/NDF: 111820.5/25

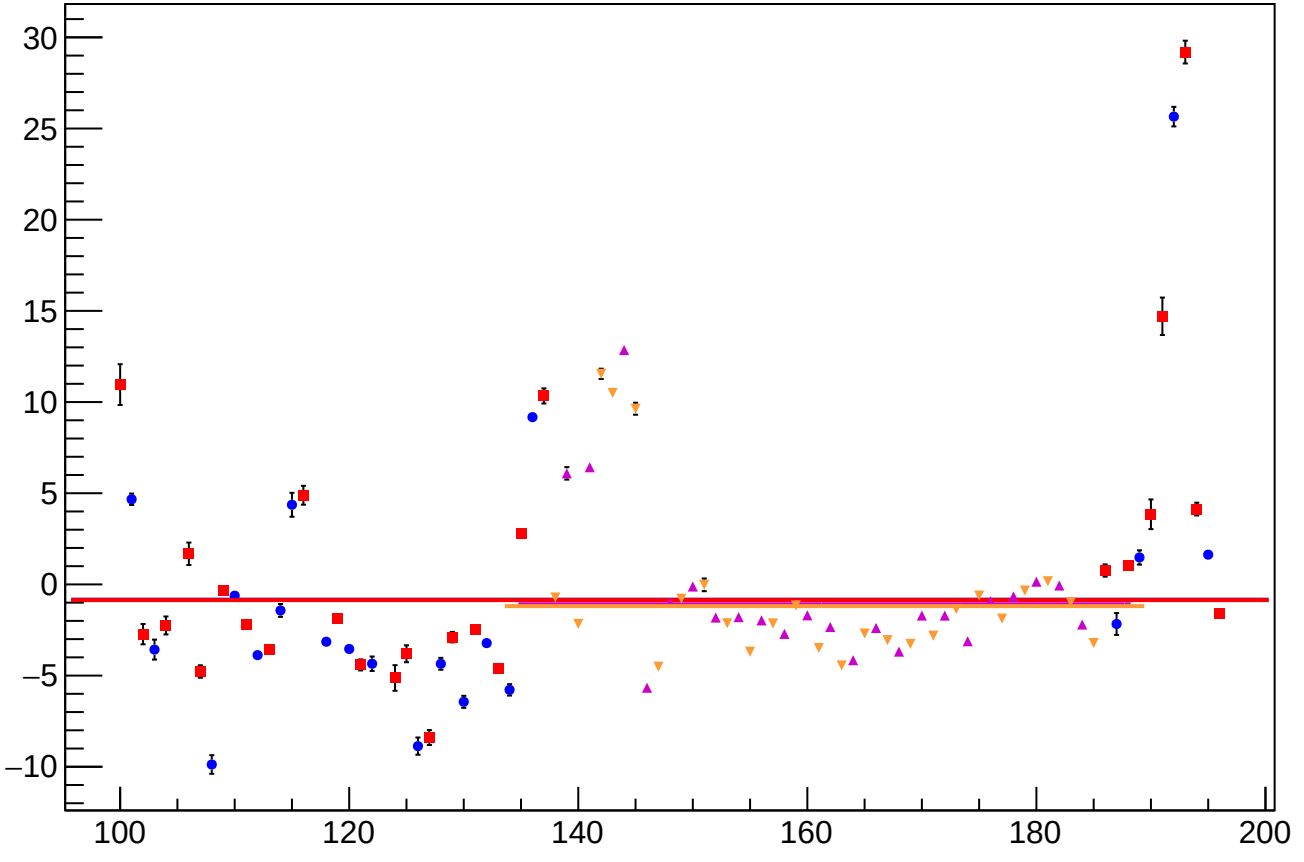
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.670+/-0.033 χ^2/NDF: 282283.2/44

All: -0.407+/-0.022 χ^2/NDF: 521918.9/93

- sign -0.195+/-0.030 χ^2/NDF: 239520.4/48

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.838+/-0.066 χ^2/NDF: 7174.3/19

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.861+/-0.059 χ^2/NDF: 5433.3/25

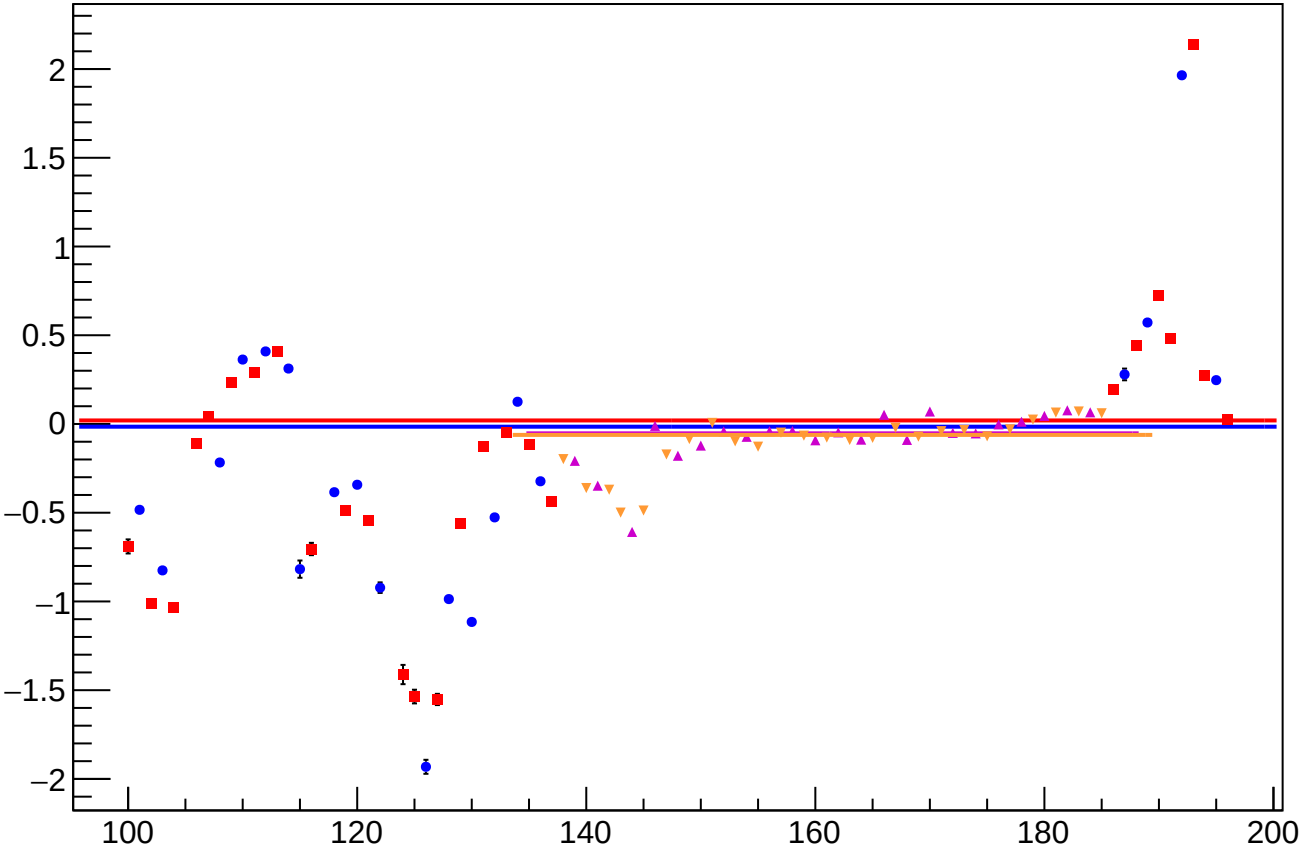
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.106+/-0.032 χ^2/NDF: 14192.0/44

All: -1.065+/-0.022 χ^2/NDF: 26480.2/93

- sign -1.028+/-0.030 χ^2/NDF: 12285.1/48

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.015+/-0.003 χ^2/NDF: 31803.3/19

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

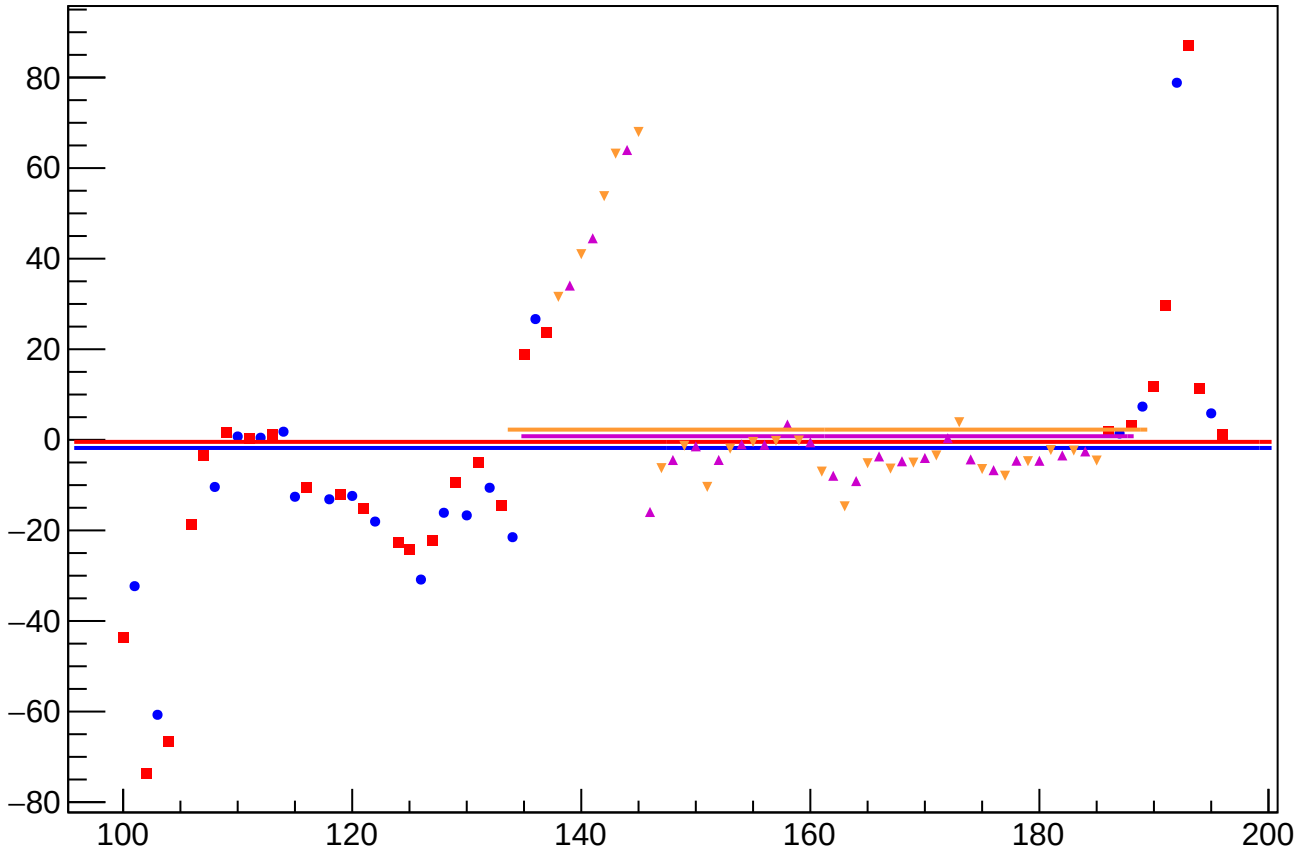
Right Out: 0.020+/-0.003 χ^2/NDF: 32542.4/25

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.053+/-0.001 χ^2/NDF: 37514.4/44

All: -0.045+/-0.001 χ^2/NDF: 75602.2/93

- sign -0.038+/-0.001 χ^2/NDF: 38031.6/48



Right In: -1.797+/-0.051 χ^2/NDF: 108917.4/19

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.451+/-0.041 χ^2/NDF: 111294.3/25

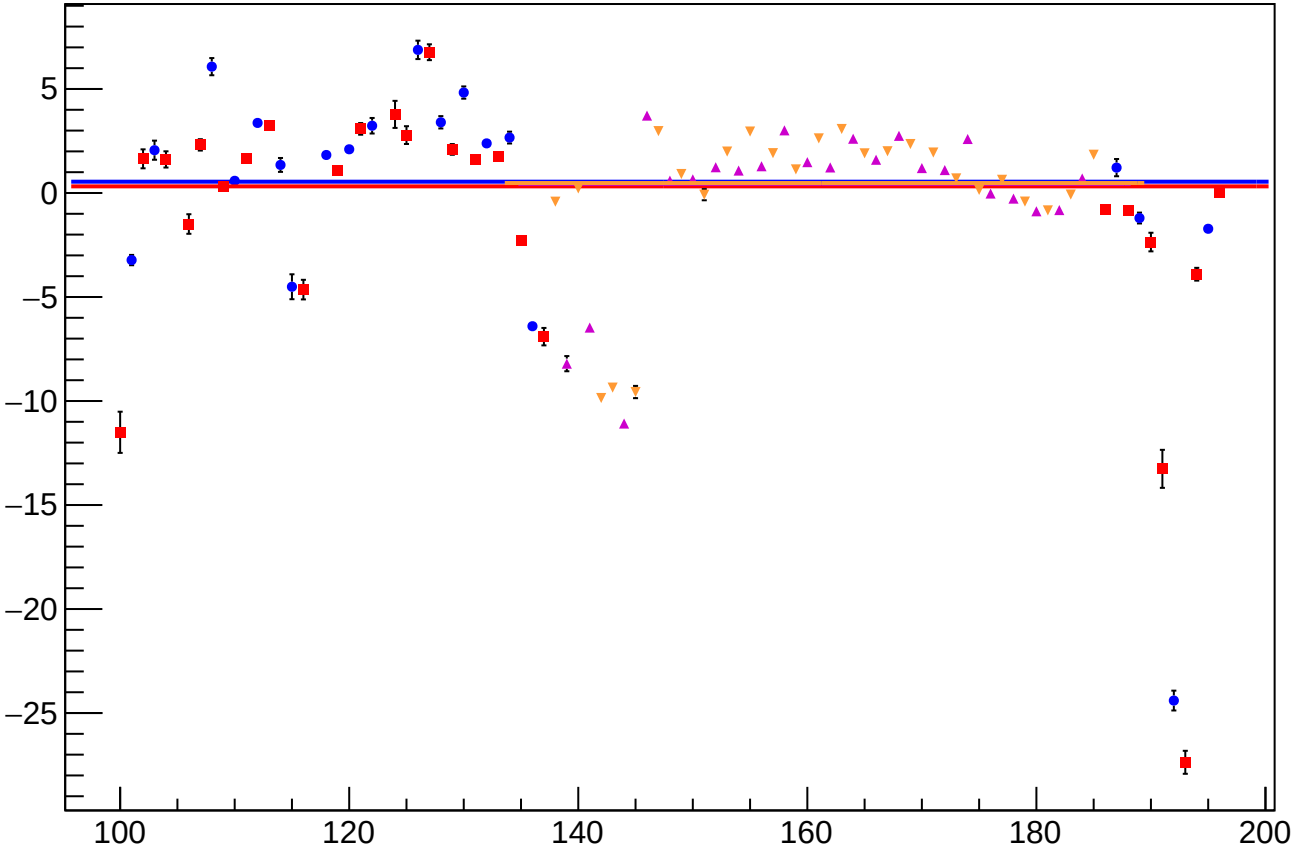
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.644+/-0.032 χ^2/NDF: 284377.7/44

All: 0.383+/-0.022 χ^2/NDF: 525077.1/93

- sign 0.170+/-0.029 χ^2/NDF: 240580.1/48

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.543+/-0.057 χ^2/NDF: 5489.5/19

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.319+/-0.051 χ^2/NDF: 4727.9/25

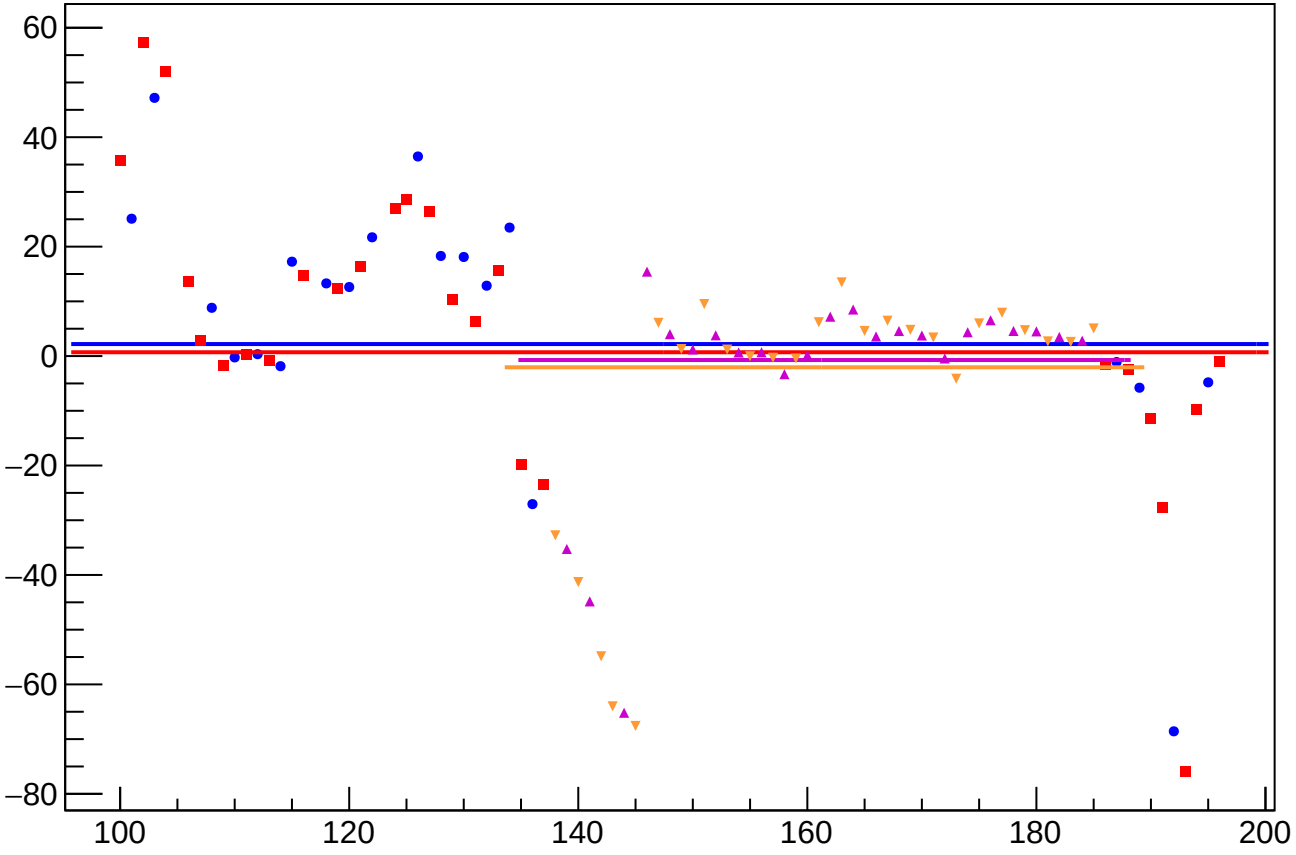
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.495+/-0.029 χ^2/NDF: 12298.5/44

All: 0.447+/-0.020 χ^2/NDF: 23929.4/93

- sign 0.405+/-0.027 χ^2/NDF: 11625.7/48

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 2.197+/-0.056 χ^2/NDF: 107800.5/19

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.700+/-0.044 χ^2/NDF: 109691.4/25

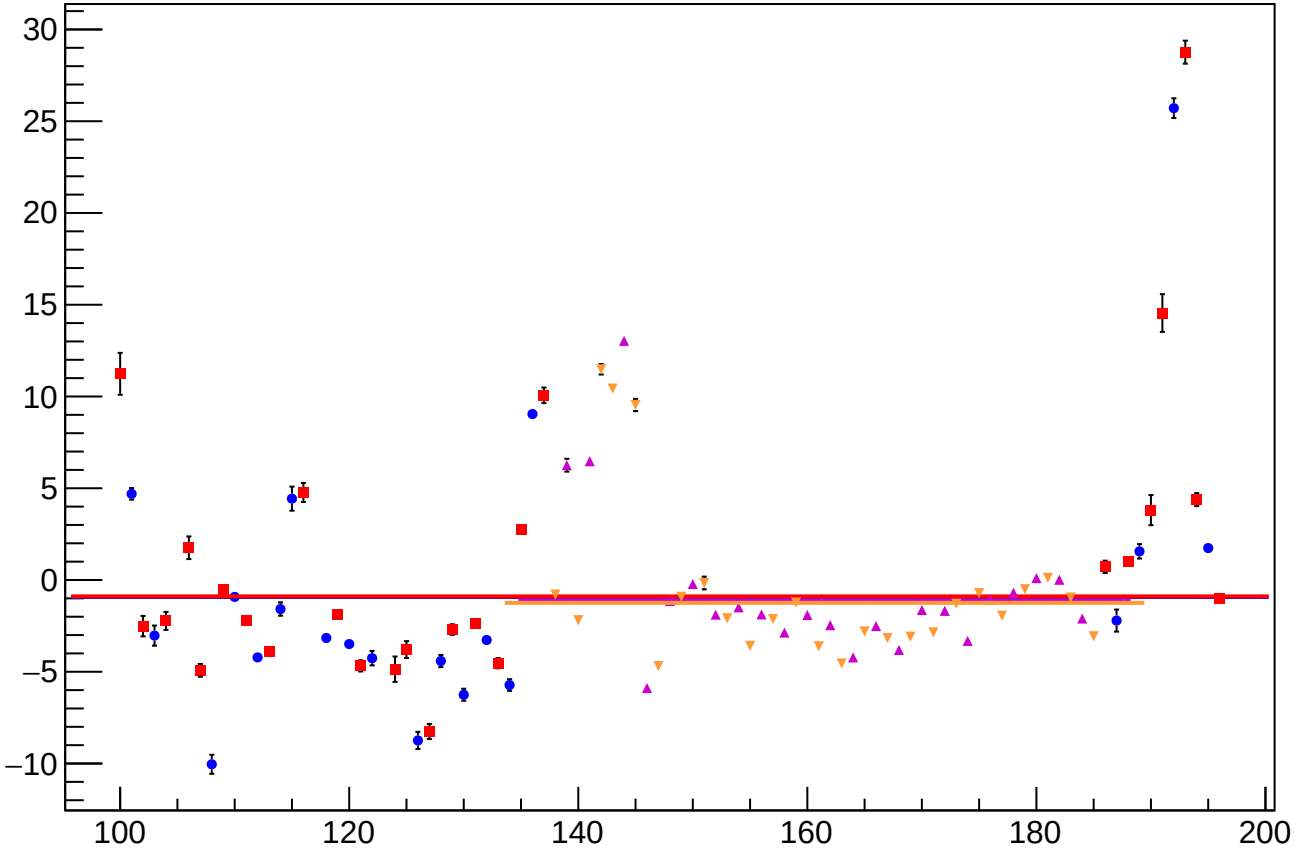
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.541+/-0.033 χ^2/NDF: 277542.8/44

All: -0.282+/-0.022 χ^2/NDF: 513433.7/93

- sign -0.072+/-0.030 χ^2/NDF: 235781.3/48

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.926+/-0.067 χ^2/NDF: 7023.7/19

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

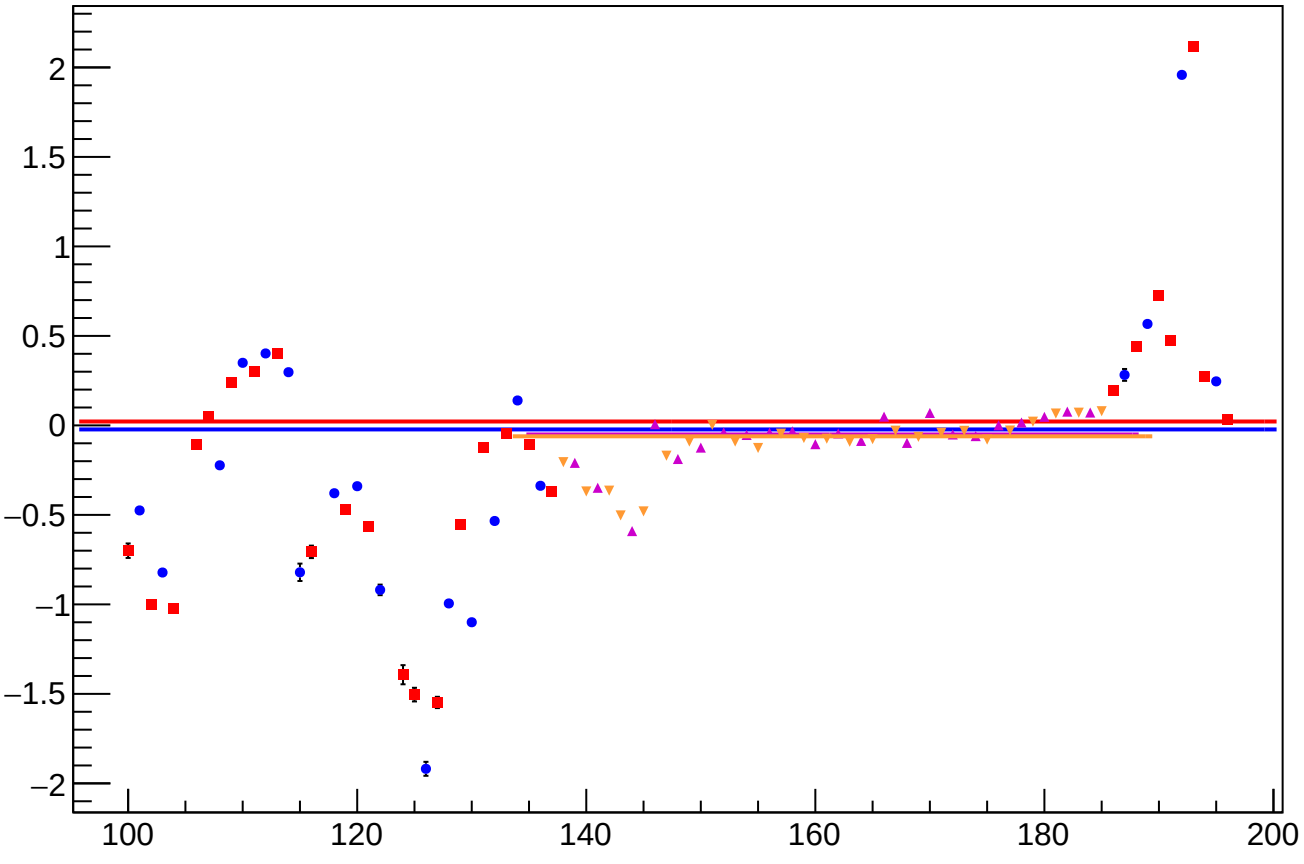
Right Out: -0.893+/-0.060 χ^2/NDF: 5276.8/25

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.168+/-0.033 χ^2/NDF: 13809.9/44

All: -1.110+/-0.022 χ^2/NDF: 25943.4/93

- sign -1.057+/-0.031 χ^2/NDF: 12127.4/48



Right In: -0.023+/-0.003 χ^2/NDF: 31307.6/19

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

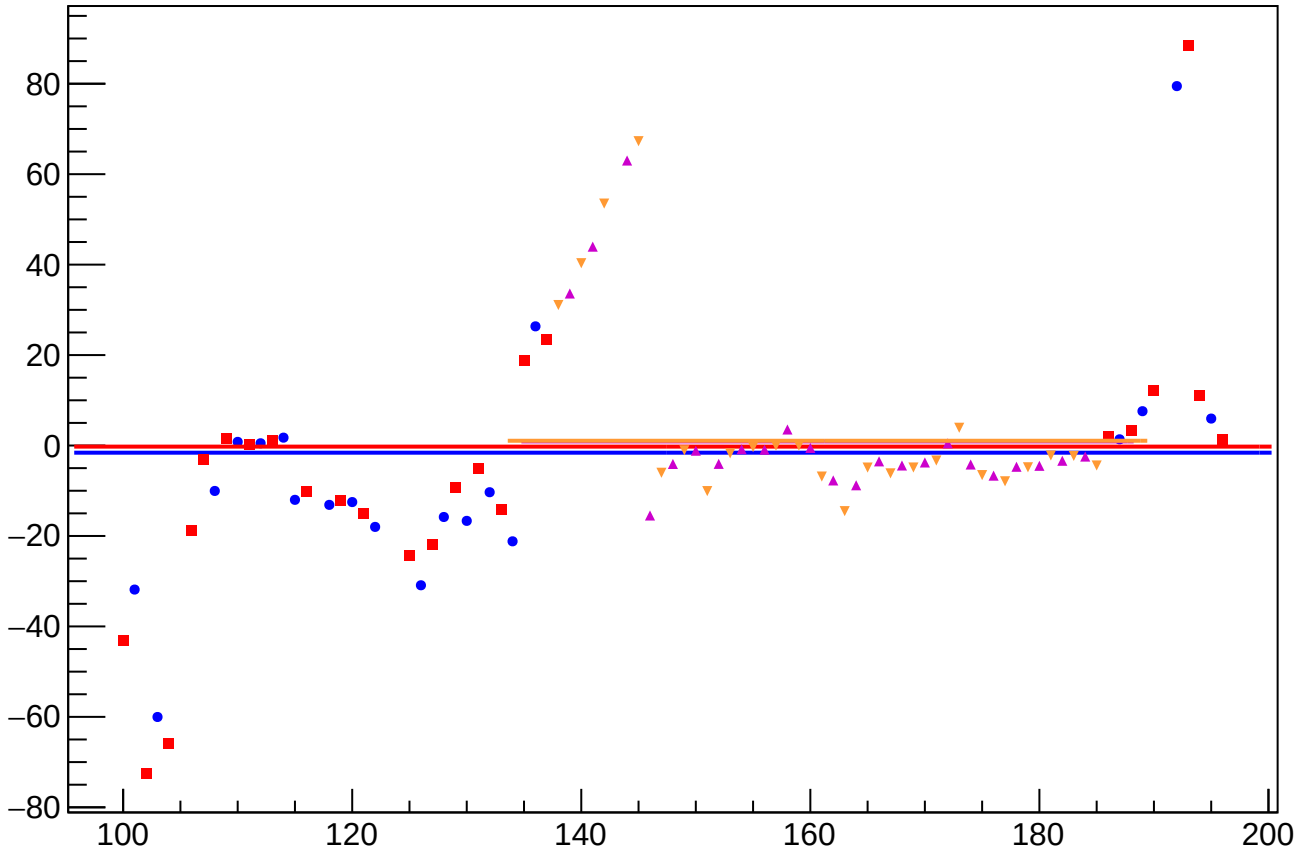
Right Out: 0.022+/-0.003 χ^2/NDF: 31675.9/25

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.054+/-0.001 χ^2/NDF: 36886.9/44

All: -0.045+/-0.001 χ^2/NDF: 73954.7/93

- sign -0.036+/-0.001 χ^2/NDF: 36991.8/48



Right In: -1.585+/-0.049 χ^2/NDF: 112544.3/19

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

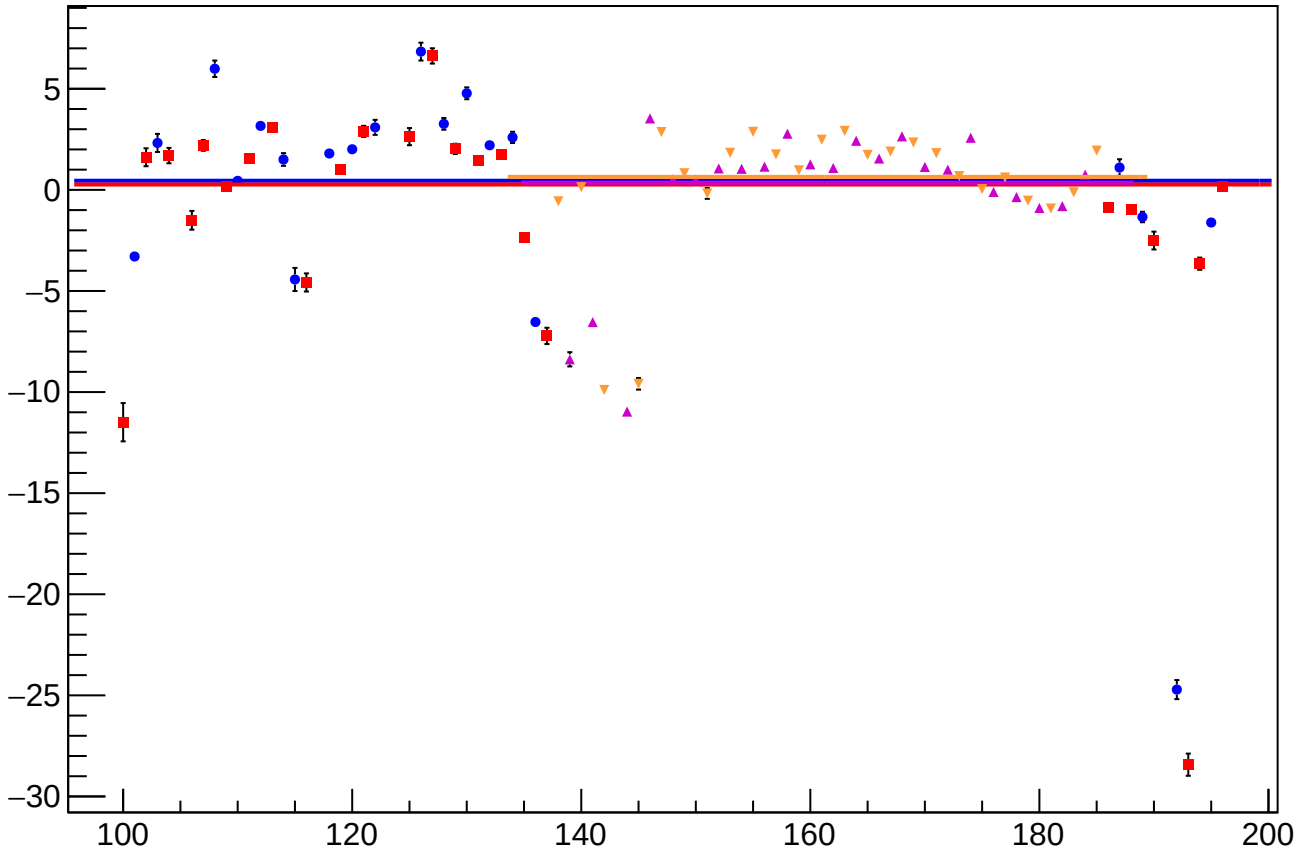
Right Out: -0.242+/-0.039 χ^2/NDF: 112328.4/23

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.013+/-0.031 χ^2/NDF: 245285.2/43

All: 0.177+/-0.021 χ^2/NDF: 490912.4/90

- sign 0.329+/-0.028 χ^2/NDF: 245560.6/46



Right In: 0.452+/-0.055 χ^2/NDF: 5726.4/19

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

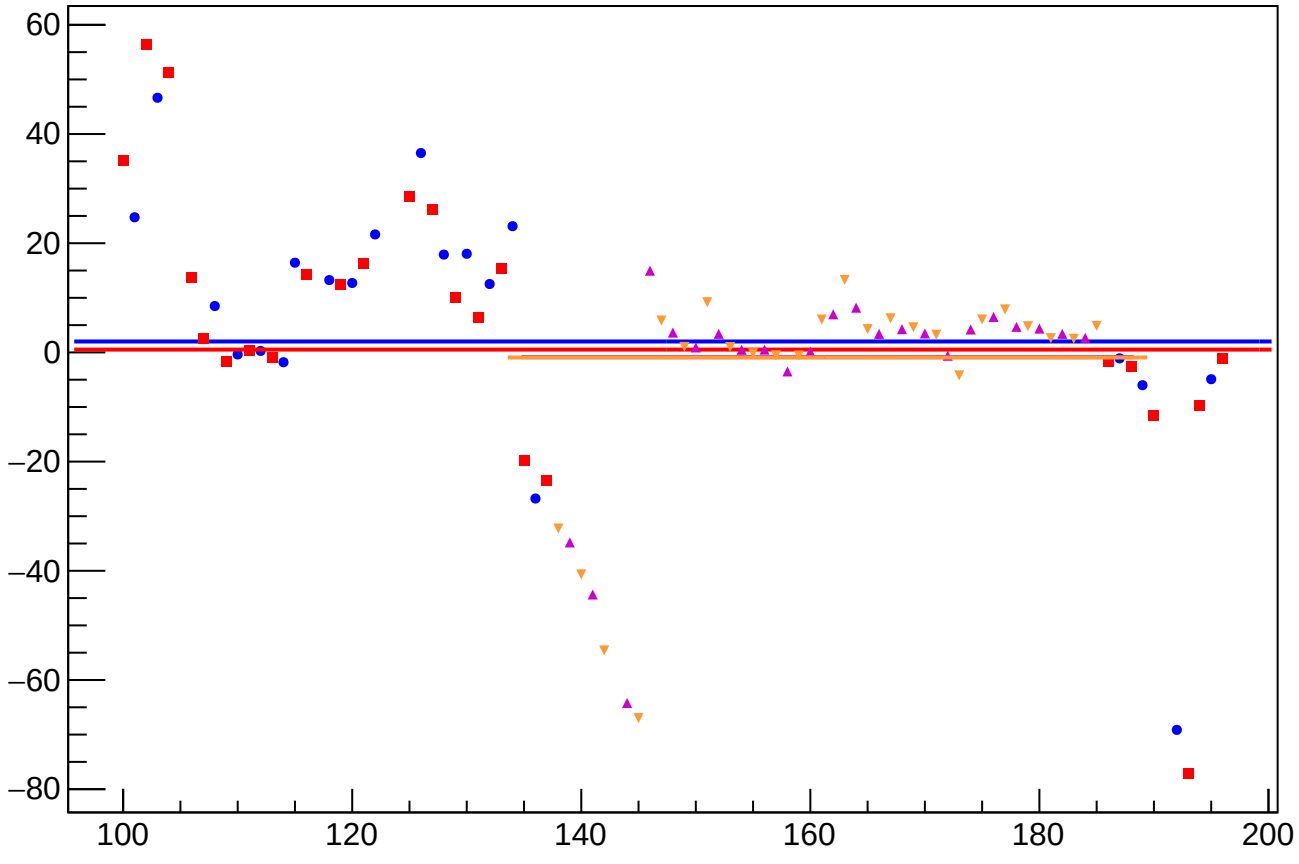
Right Out: 0.265+/-0.049 χ^2/NDF: 4791.7/23

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.593+/-0.028 χ^2/NDF: 10446.3/43

All: 0.452+/-0.019 χ^2/NDF: 22403.5/90

- sign 0.329+/-0.026 χ^2/NDF: 11911.2/46



Right In: 2.003+/-0.054 χ^2/NDF: 111365.5/19

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

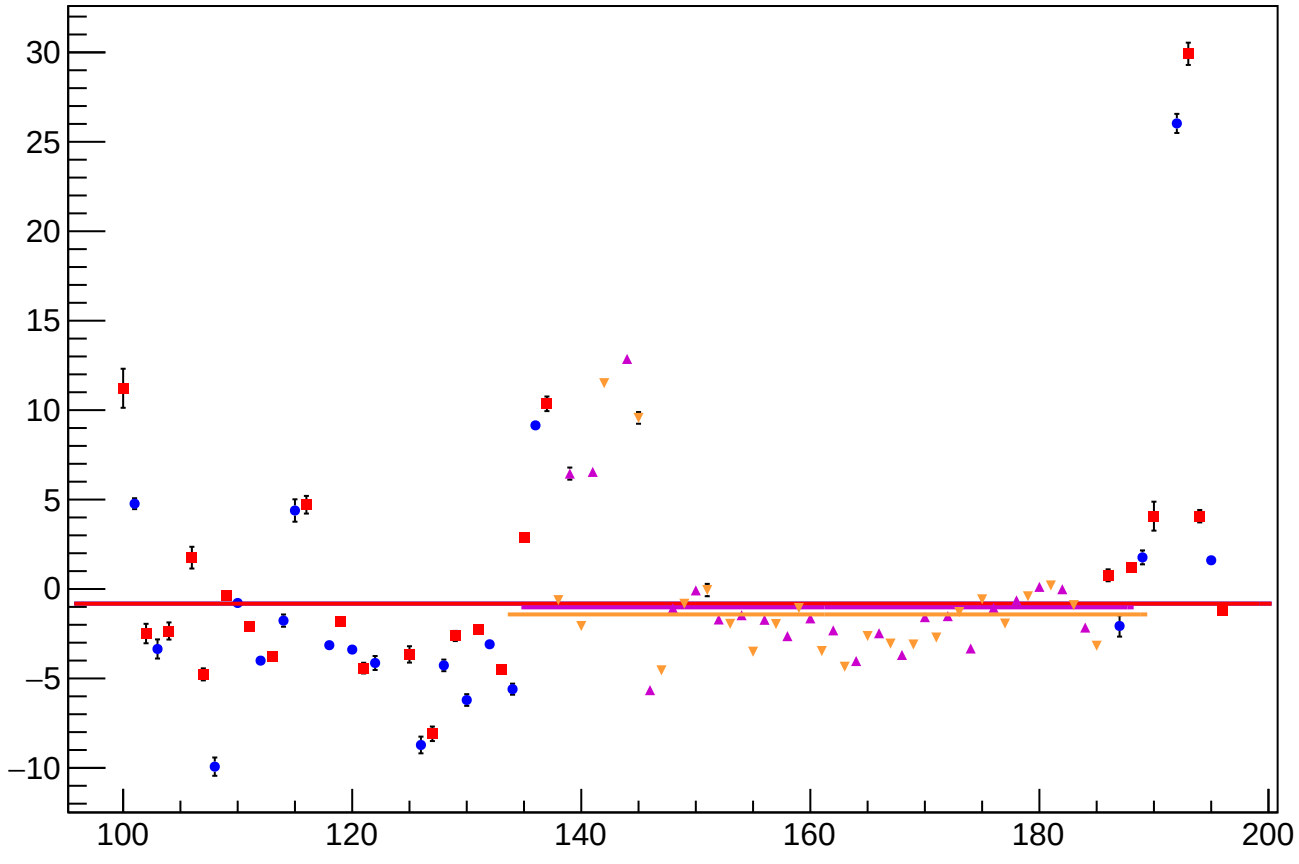
Right Out: 0.517+/-0.043 χ^2/NDF: 110752.5/23

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 0.123+/-0.032 χ^2/NDF: 239621.1/43

All: -0.076+/-0.022 χ^2/NDF: 480486.2/90

- sign -0.234+/-0.029 χ^2/NDF: 240797.7/46



Right In: -0.815+/-0.065 χ^2/NDF: 7343.6/19

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

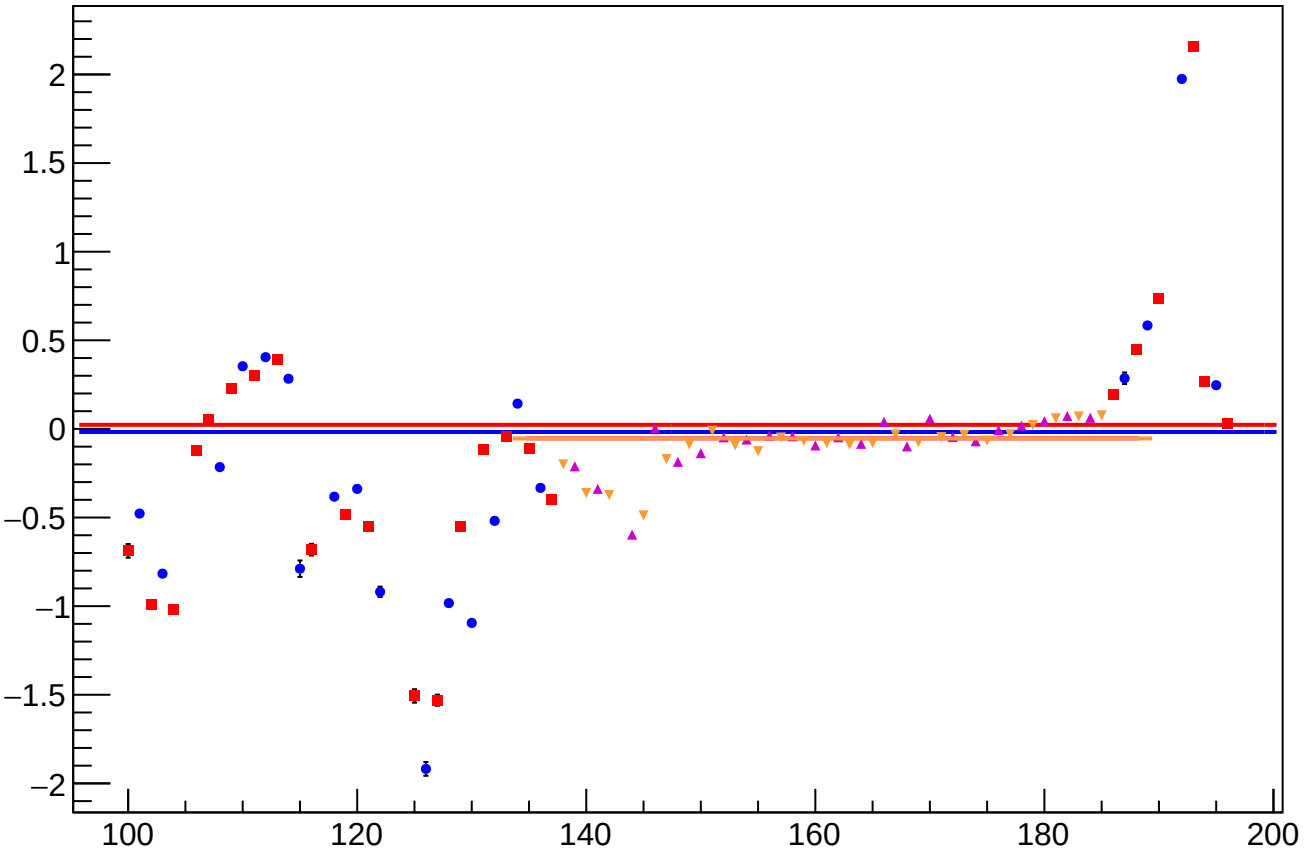
Right Out: -0.819+/-0.058 χ^2/NDF: 5374.6/23

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.273+/-0.032 χ^2/NDF: 12052.1/43

All: -1.112+/-0.022 χ^2/NDF: 24530.9/90

- sign -0.971+/-0.030 χ^2/NDF: 12431.1/46



Right In: -0.017+/-0.003 χ^2/NDF: 32494.9/19

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

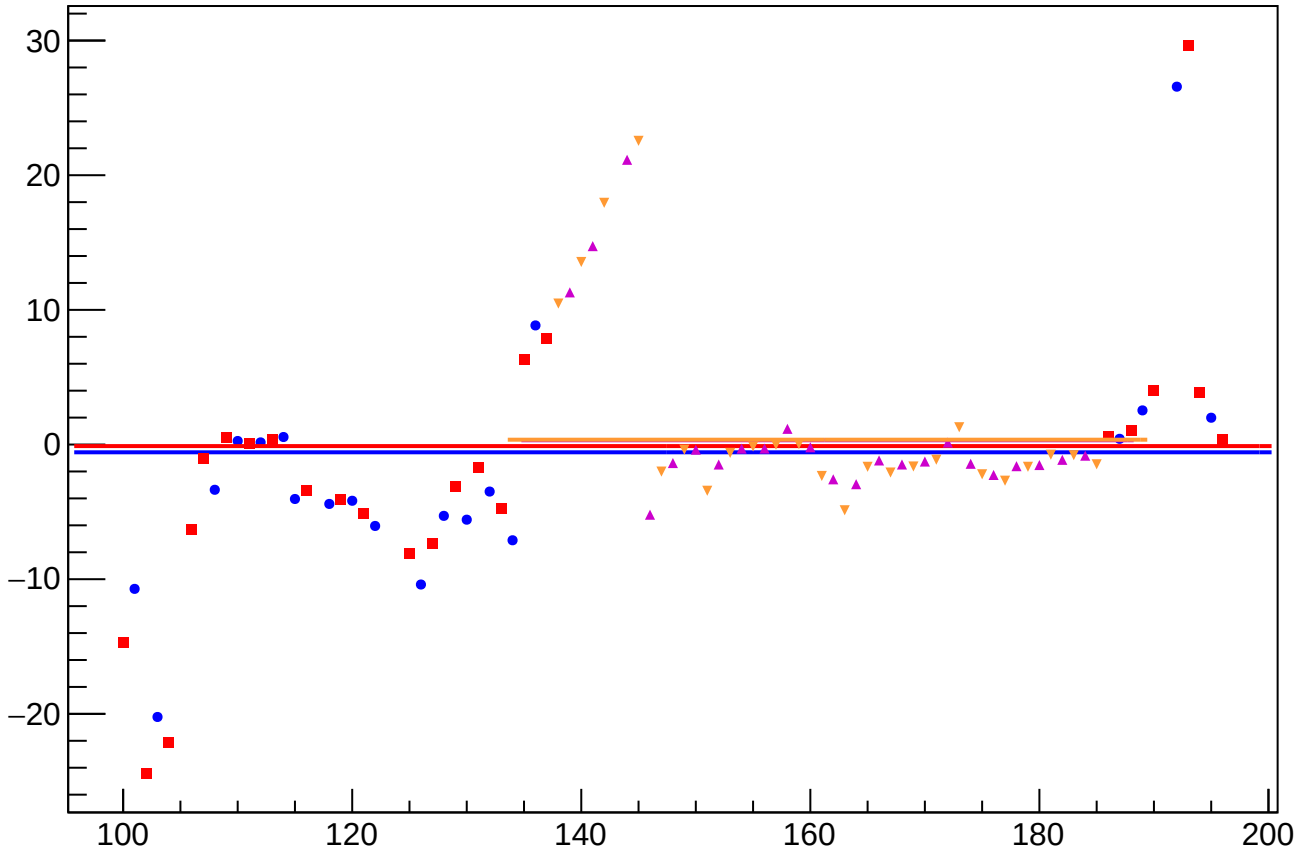
Right Out: 0.023+/-0.003 χ^2/NDF: 32085.1/23

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.047+/-0.001 χ^2/NDF: 36929.3/43

All: -0.042+/-0.001 χ^2/NDF: 74558.6/90

- sign -0.038+/-0.001 χ^2/NDF: 37608.7/46



Right In: -0.577+/-0.017 χ^2/NDF: 110582.5/19

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

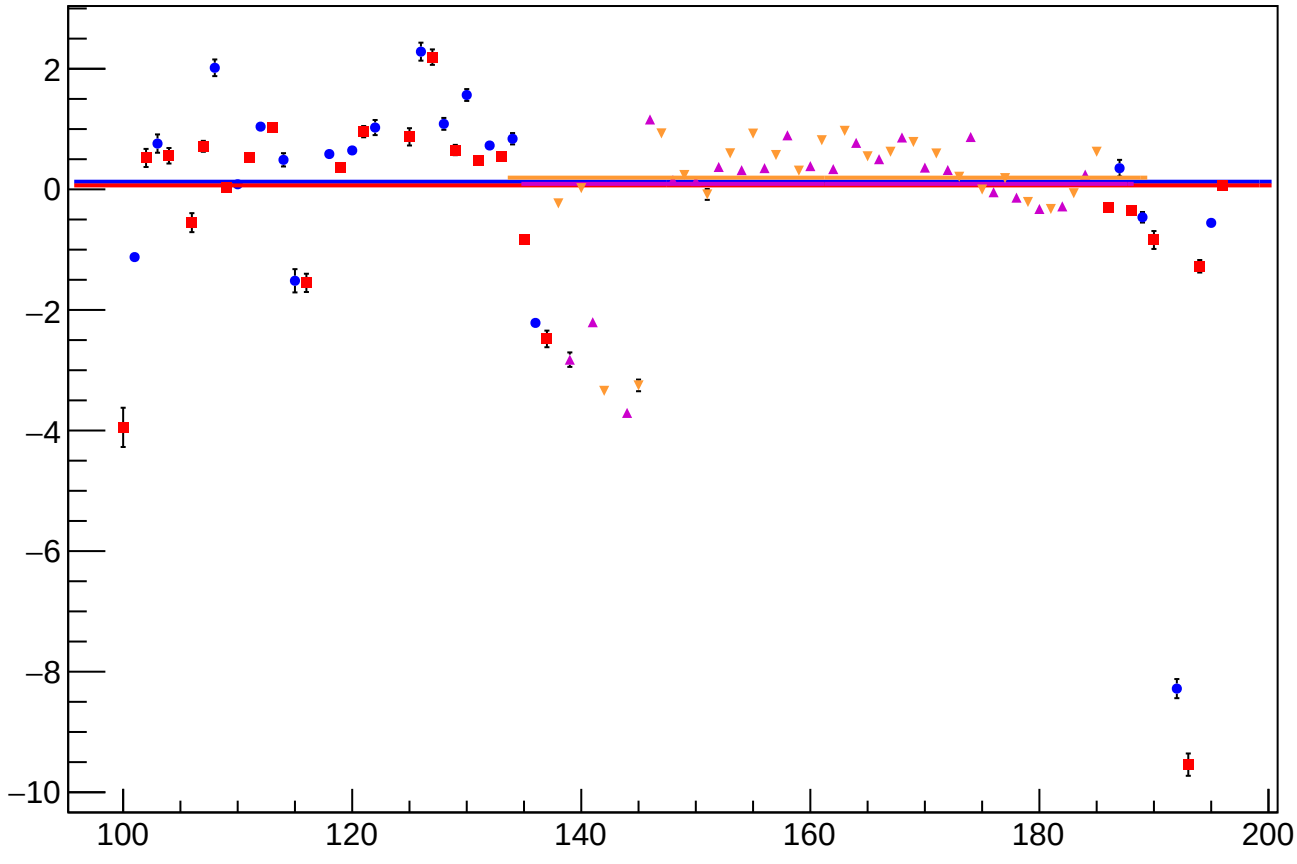
Right Out: -0.115+/-0.014 χ^2/NDF: 110622.0/23

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.017+/-0.011 χ^2/NDF: 241241.3/43

All: 0.048+/-0.007 χ^2/NDF: 482657.9/90

- sign 0.101+/-0.010 χ^2/NDF: 241349.9/46



Right In: 0.127+/-0.019 χ^2/NDF: 5618.6/19

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

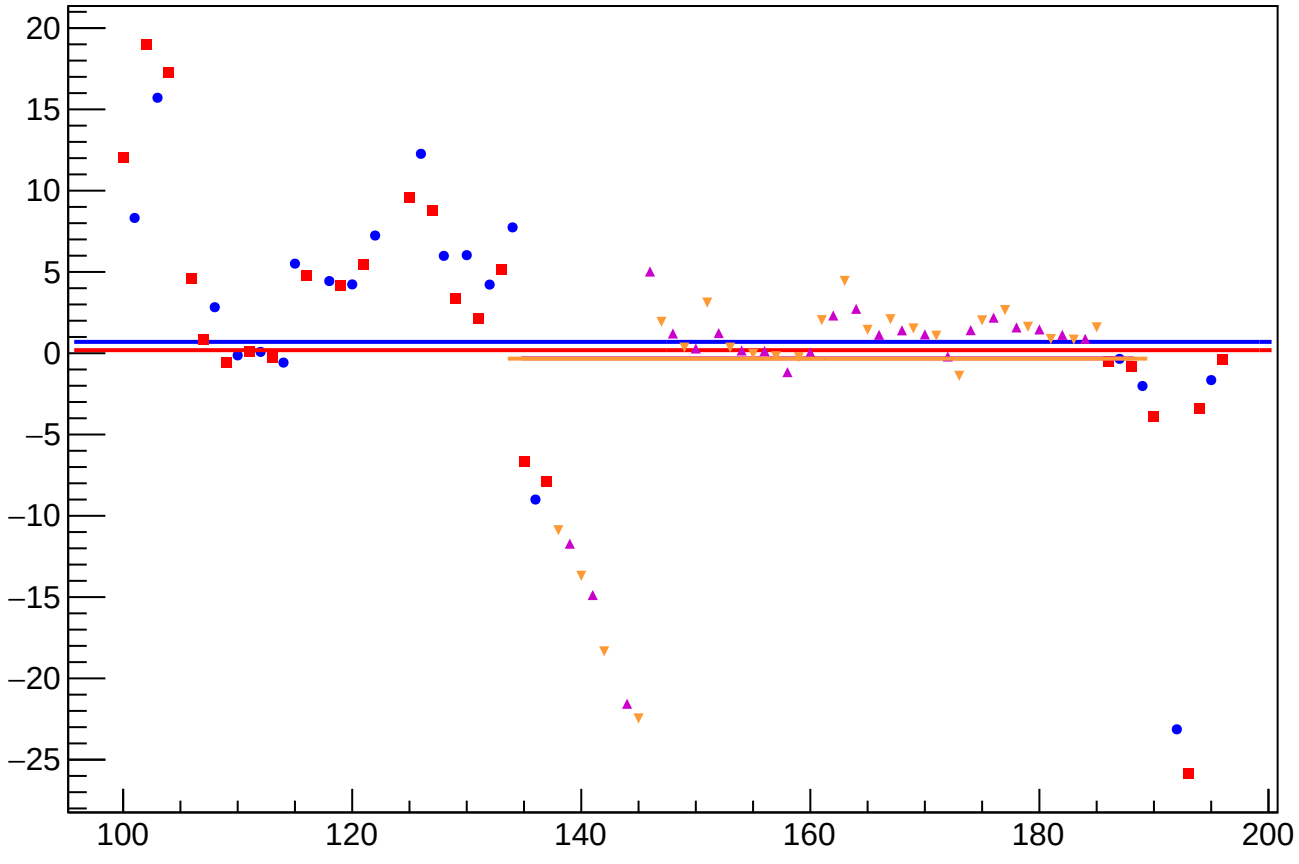
Right Out: 0.065+/-0.017 χ^2/NDF: 4717.6/23

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.177+/-0.010 χ^2/NDF: 10273.0/43

All: 0.127+/-0.007 χ^2/NDF: 21977.3/90

- sign 0.084+/-0.009 χ^2/NDF: 11655.6/46



Right In: 0.699+/-0.019 χ^2/NDF: 109451.0/19

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

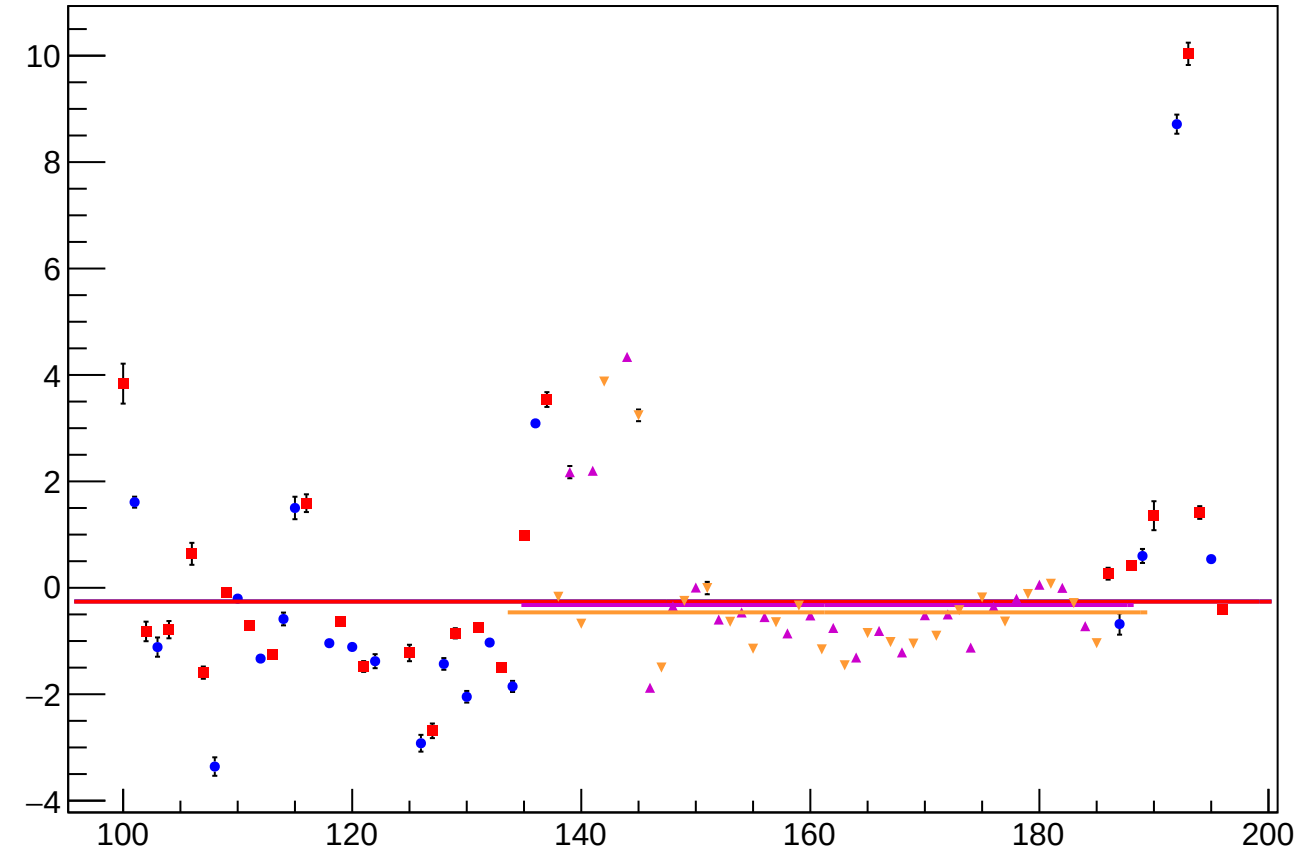
Right Out: 0.189+/-0.015 χ^2/NDF: 109105.1/23

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.037+/-0.011 χ^2/NDF: 235669.4/43

All: -0.031+/-0.007 χ^2/NDF: 472476.0/90

- sign -0.085+/-0.010 χ^2/NDF: 236739.2/46



Right In: -0.255+/-0.022 χ^2/NDF: 7196.3/19

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

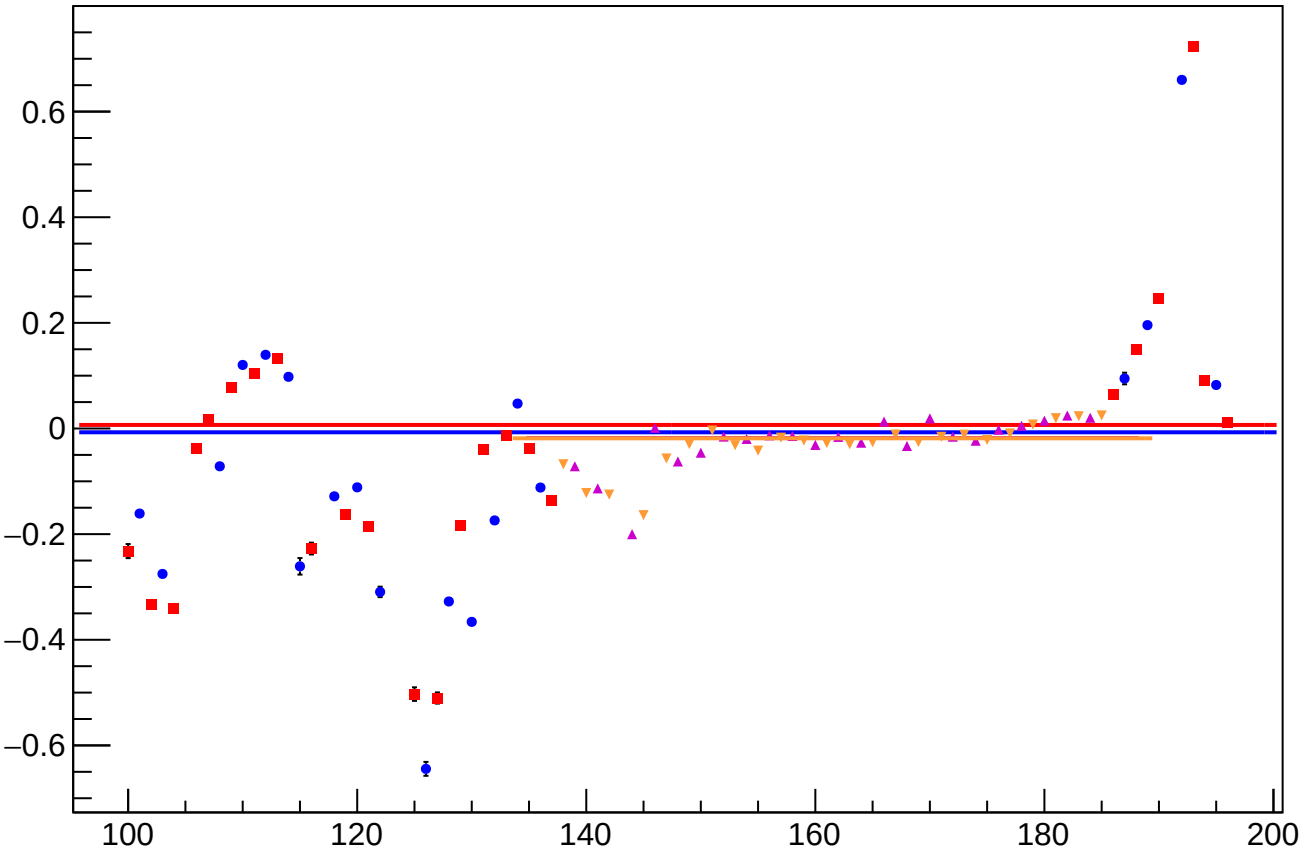
Right Out: -0.259+/-0.020 χ^2/NDF: 5294.1/23

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.411+/-0.011 χ^2/NDF: 11842.4/43

All: -0.356+/-0.007 χ^2/NDF: 24075.3/90

- sign -0.306+/-0.010 χ^2/NDF: 12183.5/46



Right In: -0.007+/-0.001 χ^2/NDF: 31921.1/19

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

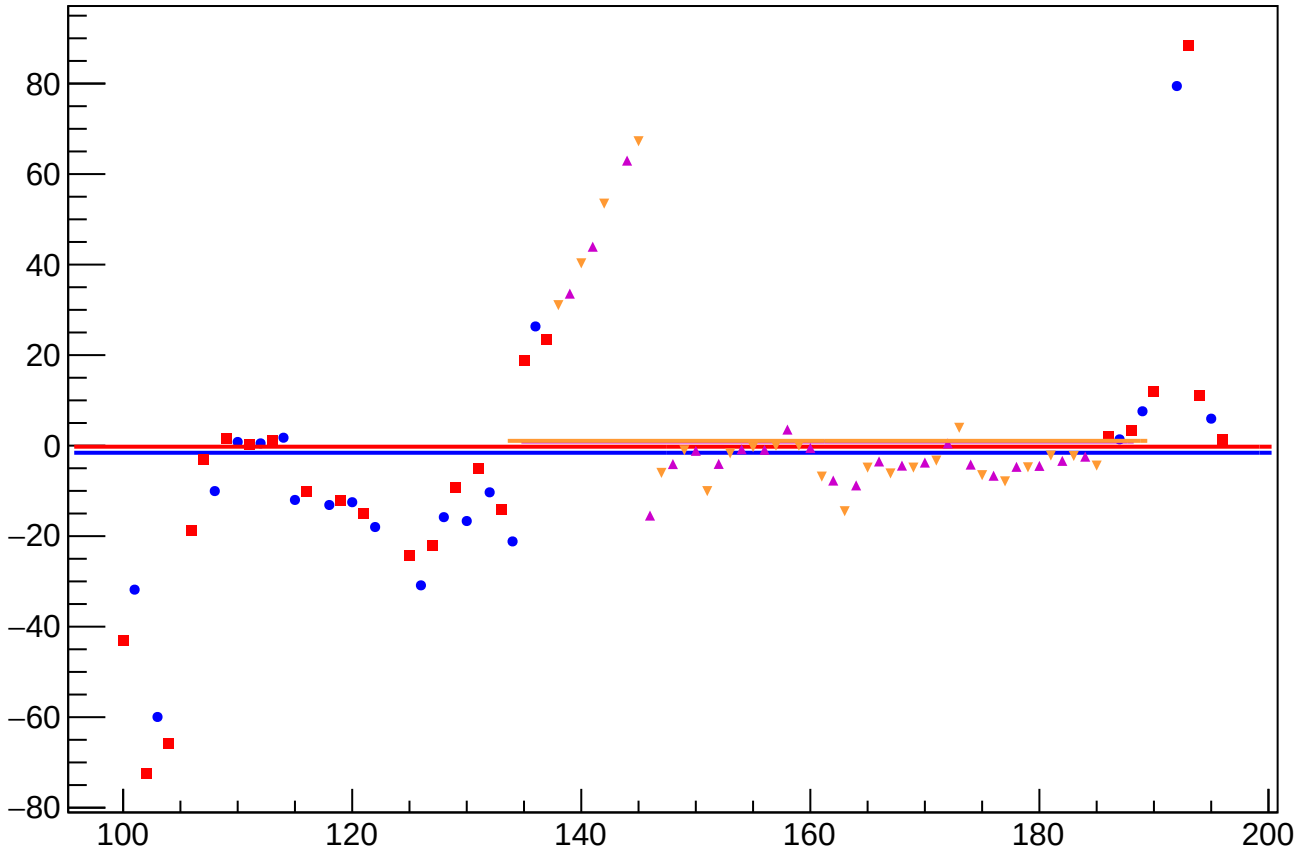
Right Out: 0.007+/-0.001 χ^2/NDF: 31501.1/23

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.016+/-0.000 χ^2/NDF: 36227.3/43

All: -0.015+/-0.000 χ^2/NDF: 73089.1/90

- sign -0.013+/-0.000 χ^2/NDF: 36837.7/46



Right In: -1.575+/-0.049 χ^2/NDF: 112571.5/19

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

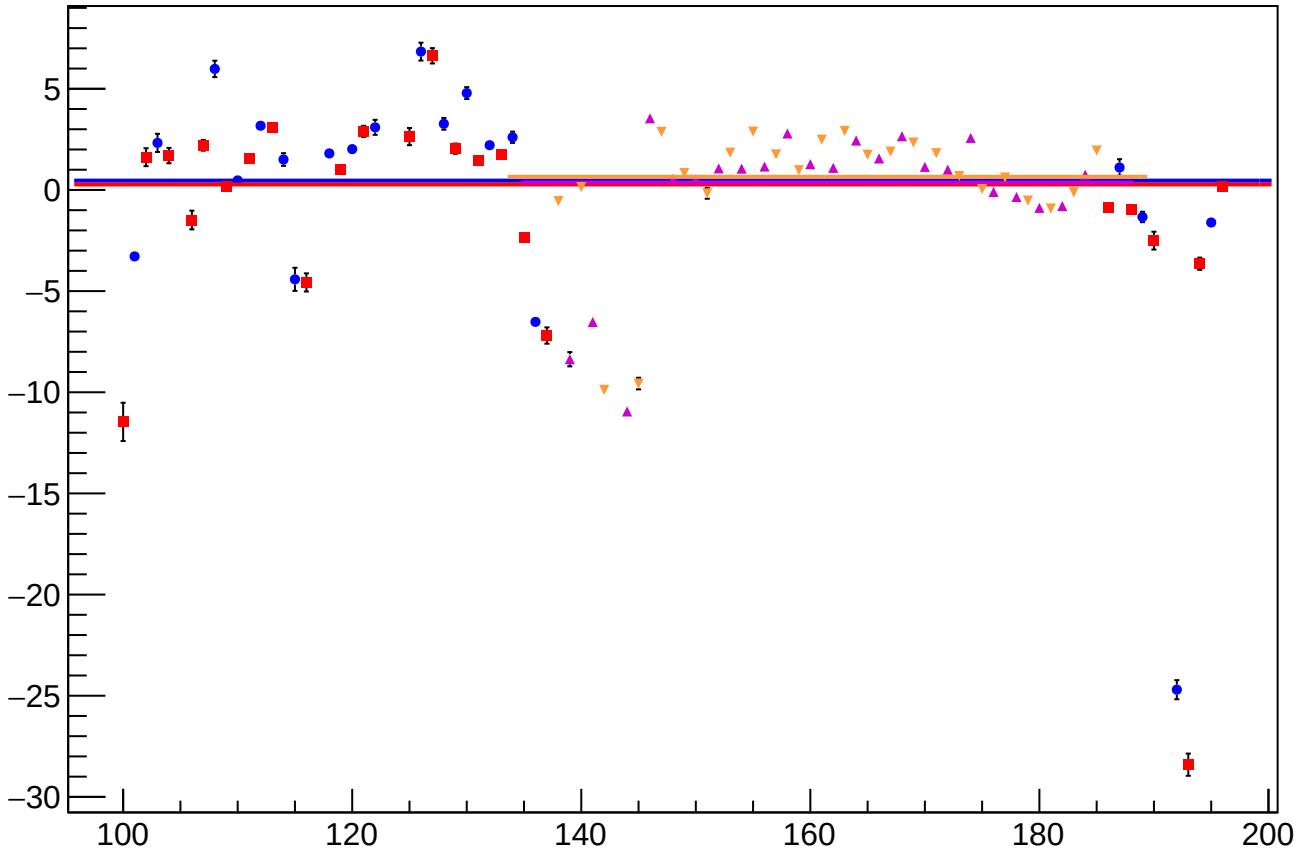
Right Out: -0.236+/-0.039 χ^2/NDF: 112349.3/23

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.008+/-0.031 χ^2/NDF: 245289.0/43

All: 0.182+/-0.021 χ^2/NDF: 490944.0/90

- sign 0.333+/-0.028 χ^2/NDF: 245589.0/46



Right In: 0.461+/-0.055 χ^2/NDF: 5728.8/19

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

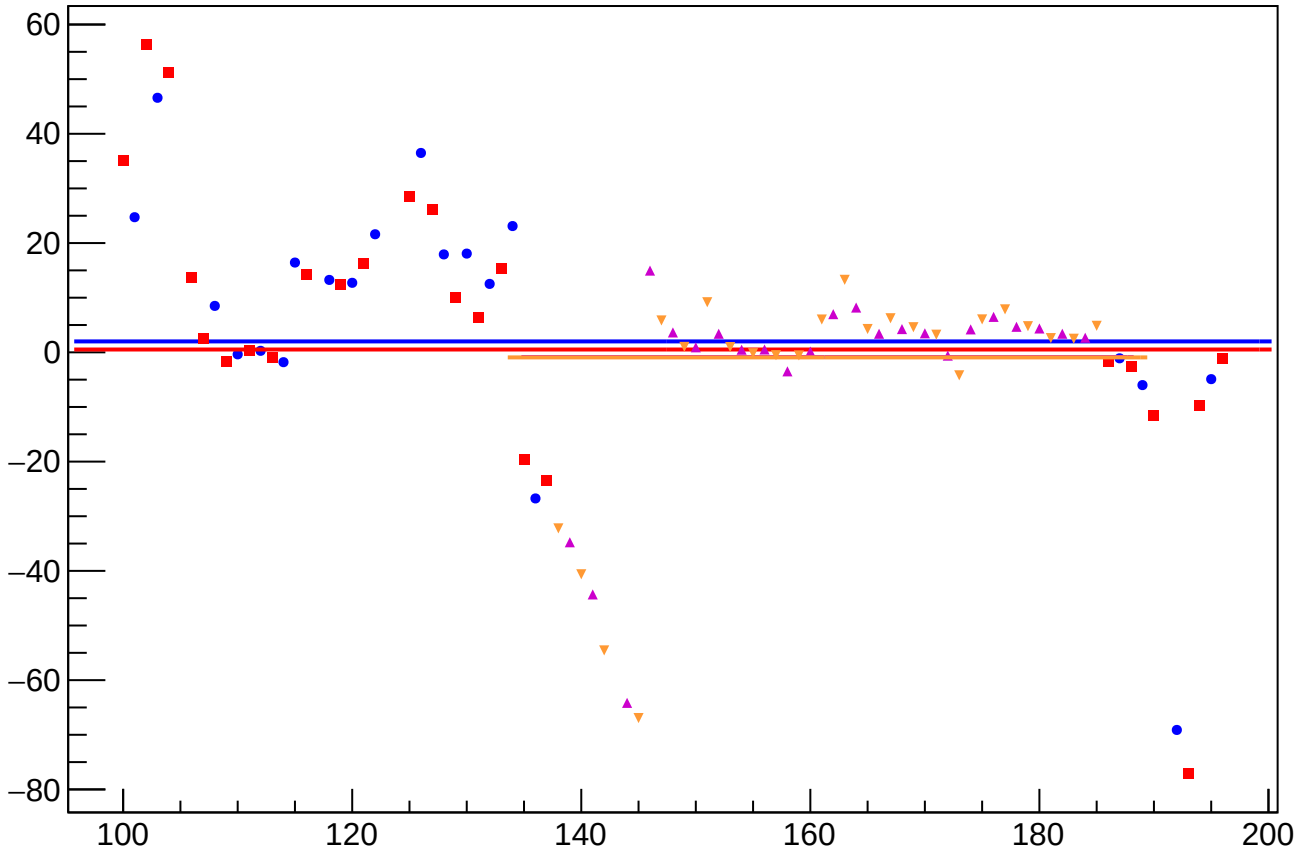
Right Out: 0.272+/-0.049 χ^2/NDF: 4792.0/23

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.601+/-0.028 χ^2/NDF: 10446.4/43

All: 0.460+/-0.019 χ^2/NDF: 22409.3/90

- sign 0.338+/-0.026 χ^2/NDF: 11916.9/46



Right In: 2.000+/-0.054 χ^2/NDF: 111389.3/19

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

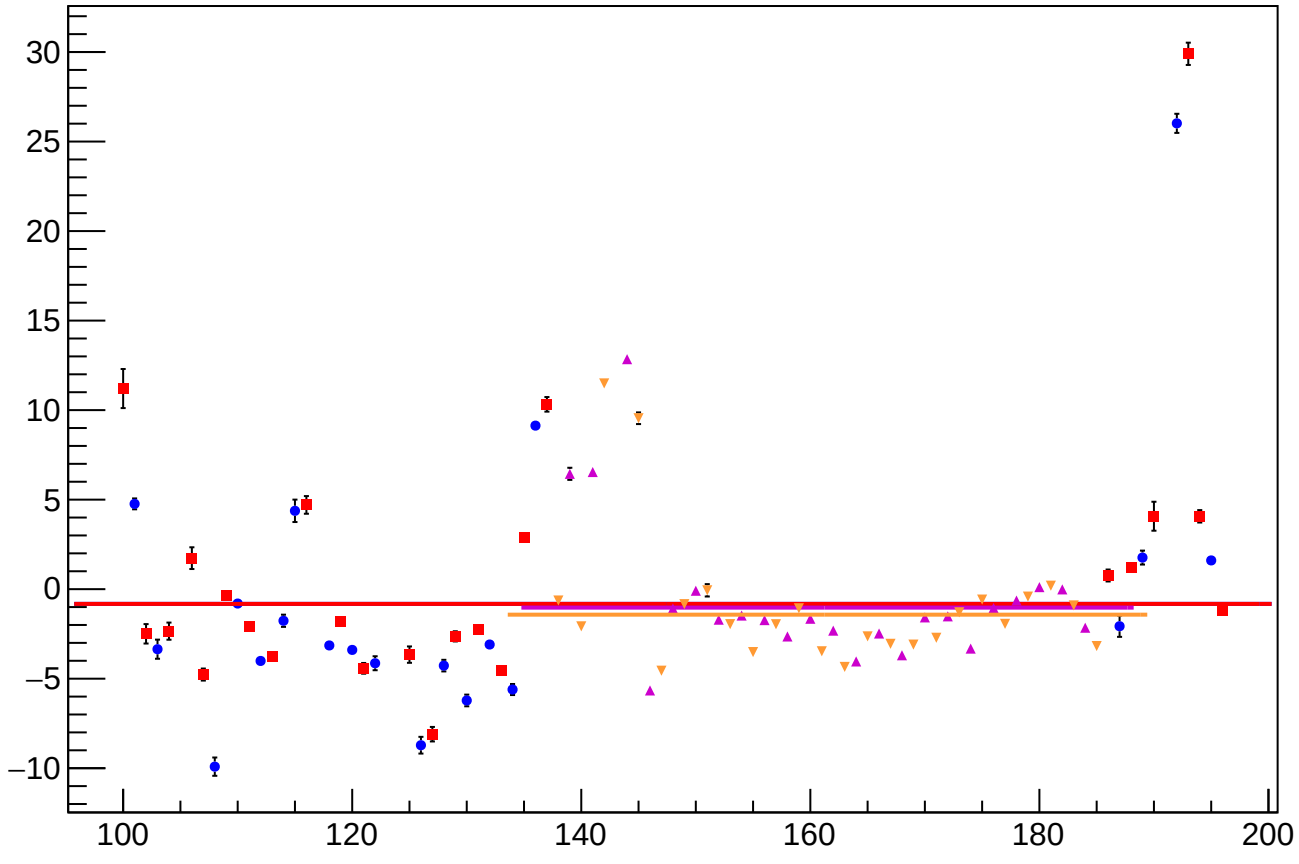
Right Out: 0.517+/-0.043 χ^2/NDF: 110768.7/23

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.123+/-0.032 χ^2/NDF: 239623.0/43

All: -0.075+/-0.022 χ^2/NDF: 480508.2/90

- sign -0.233+/-0.029 χ^2/NDF: 240818.3/46



Right In: -0.821+/-0.064 χ^2/NDF: 7345.8/19

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

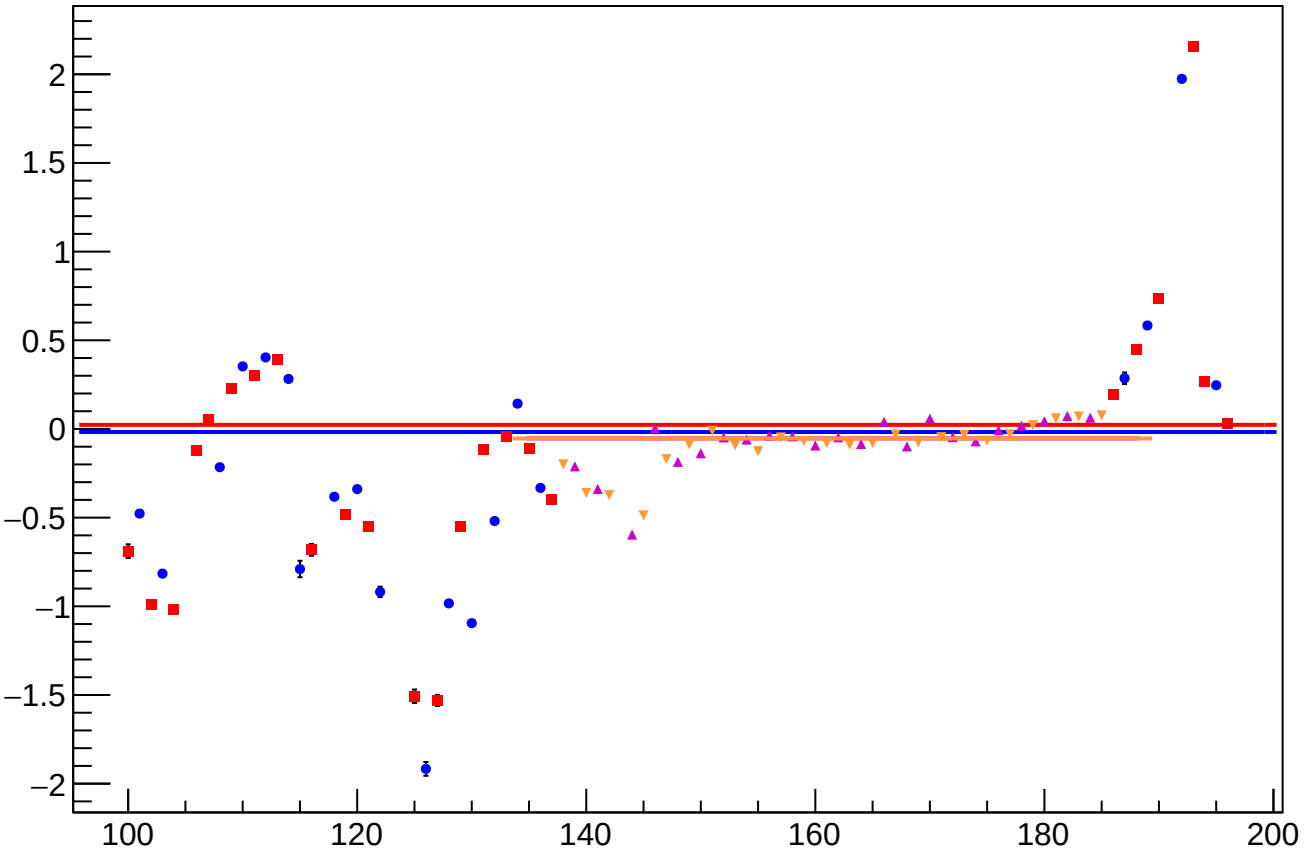
Right Out: -0.823+/-0.058 χ^2/NDF: 5373.4/23

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.278+/-0.032 χ^2/NDF: 12051.6/43

All: -1.117+/-0.022 χ^2/NDF: 24533.5/90

- sign -0.977+/-0.030 χ^2/NDF: 12434.2/46



Right In: -0.017+/-0.003 χ^2/NDF: 32503.6/19

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

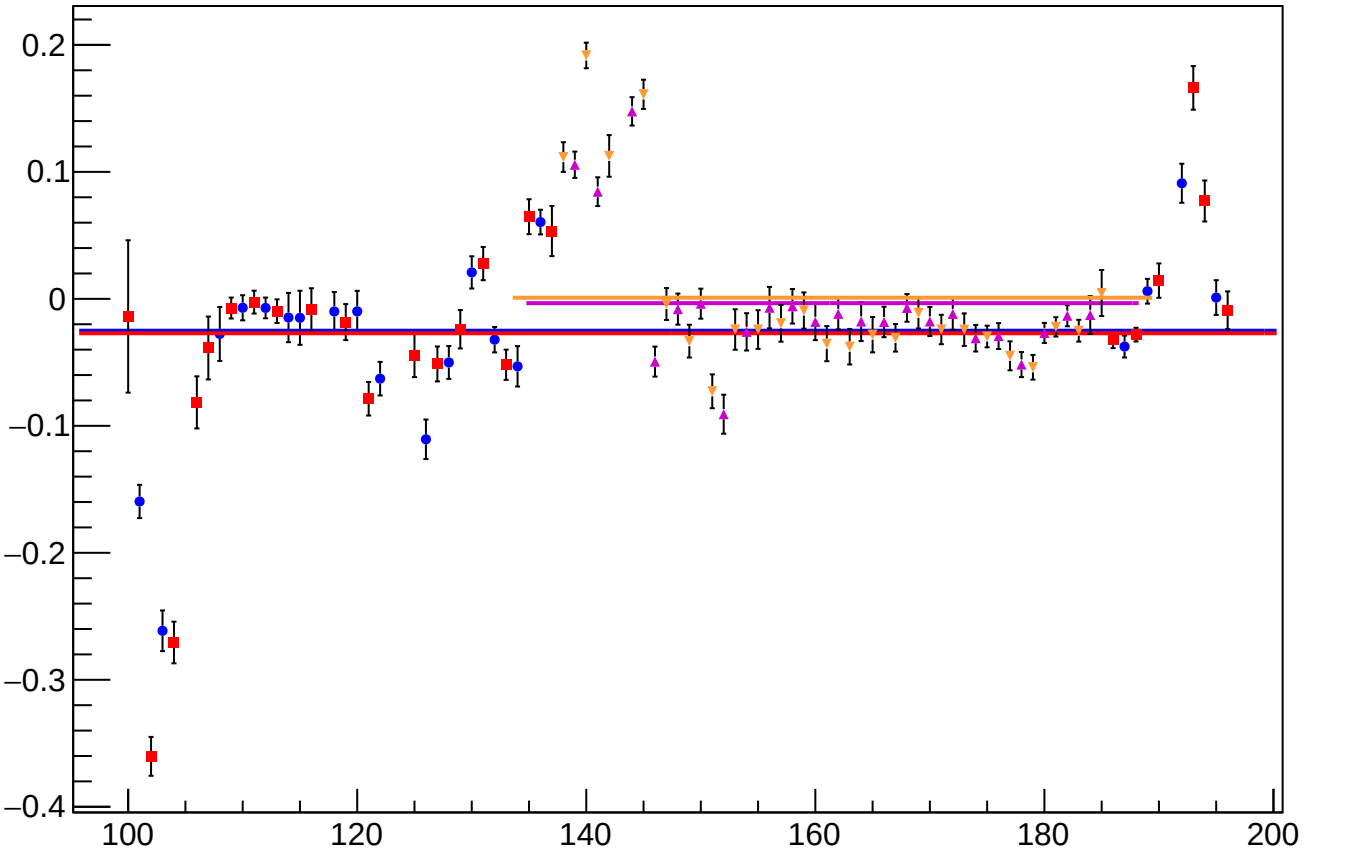
Right Out: 0.023+/-0.003 χ^2/NDF: 32099.0/23

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.047+/-0.001 χ^2/NDF: 36939.2/43

All: -0.042+/-0.001 χ^2/NDF: 74587.3/90

- sign -0.038+/-0.001 χ^2/NDF: 37628.0/46



Right In: -0.025+/-0.003 χ^2/NDF: 542.9/19

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.027+/-0.002 χ^2/NDF: 1001.9/23

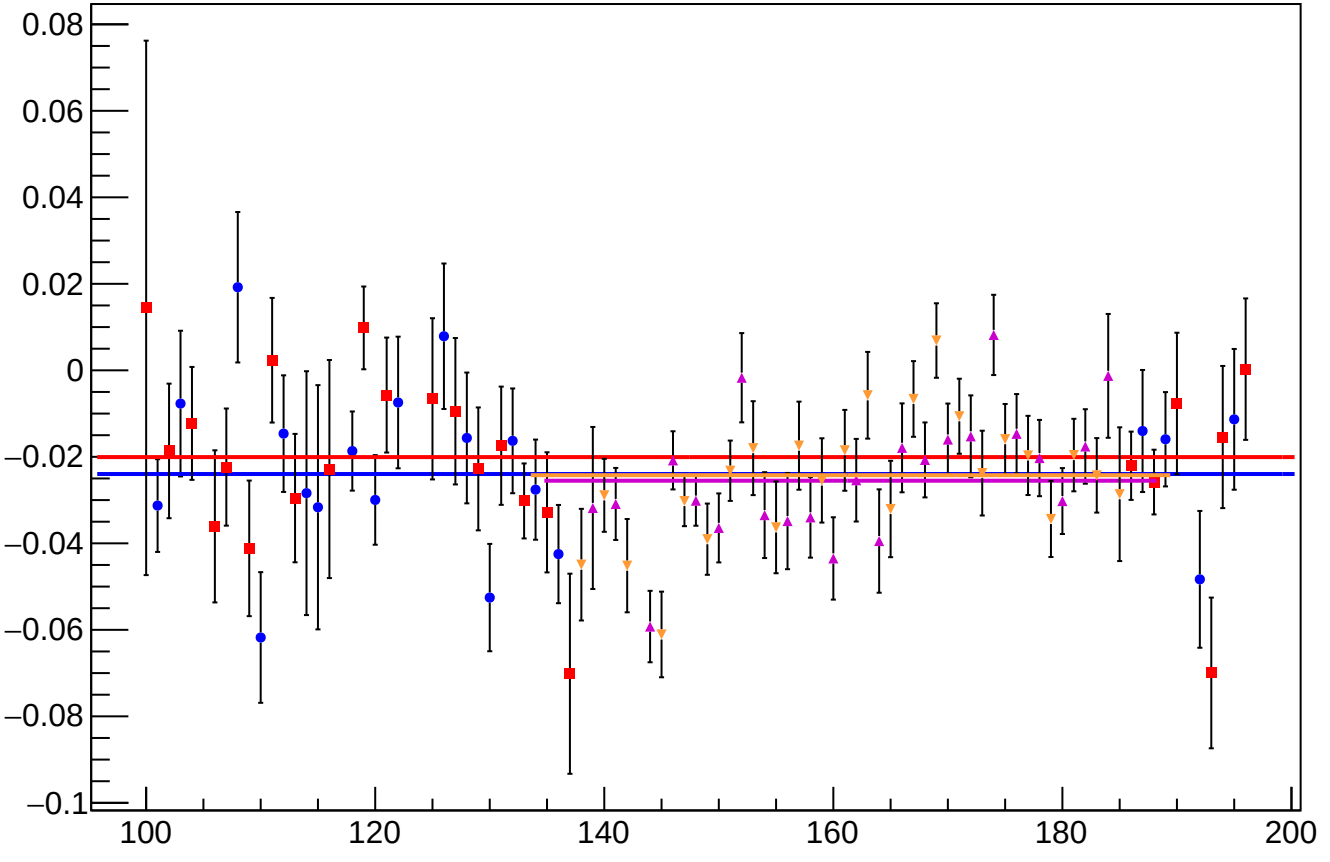
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1443.1/43

All: -0.013+/-0.001 χ^2/NDF: 2955.8/90

- sign -0.015+/-0.002 χ^2/NDF: 1508.6/46

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.024+/-0.003 χ^2/NDF: 32.6/19

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 36.0/23

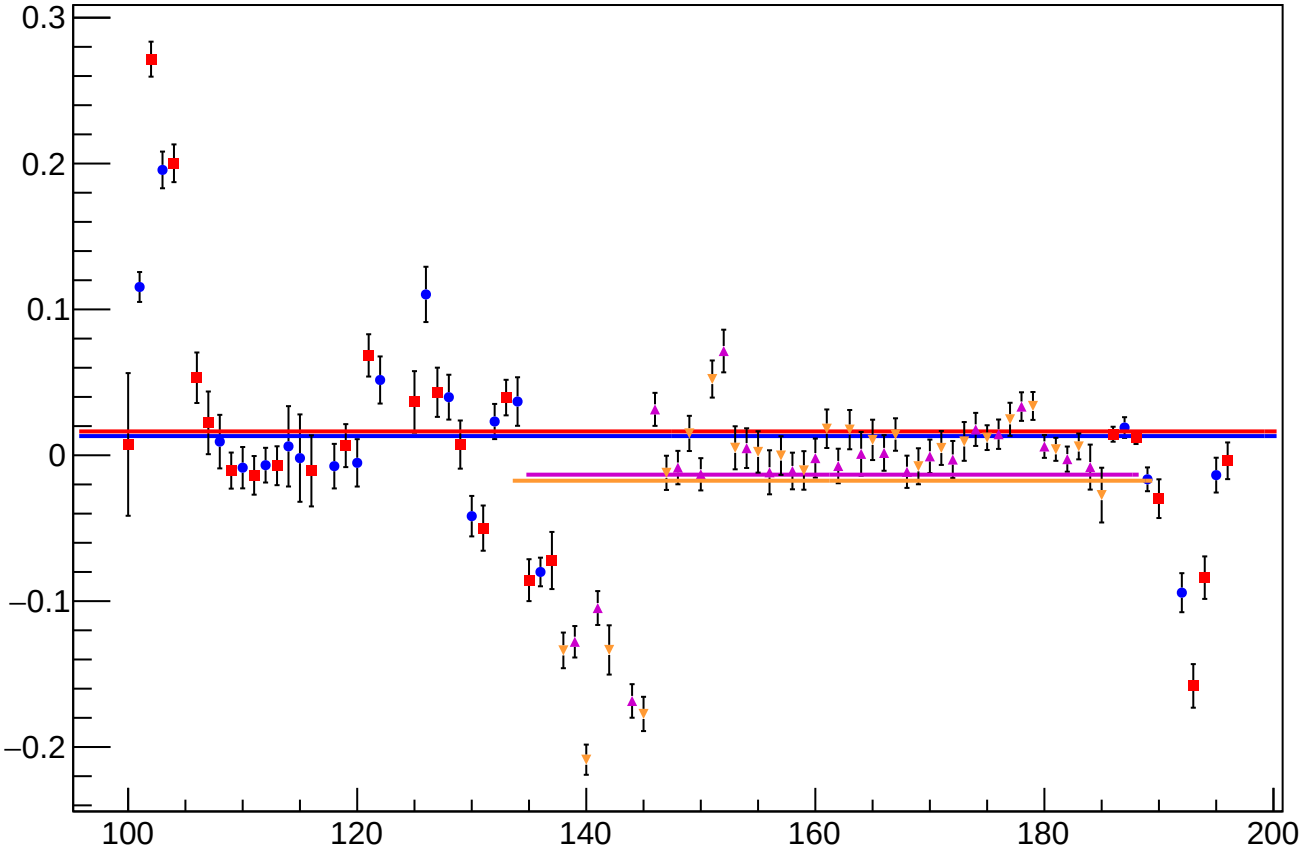
Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 86.4/43

All: -0.024+/-0.001 χ^2/NDF: 180.2/90

- sign -0.024+/-0.002 χ^2/NDF: 93.8/46

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.013+/-0.003 χ^2/NDF: 545.3/19

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

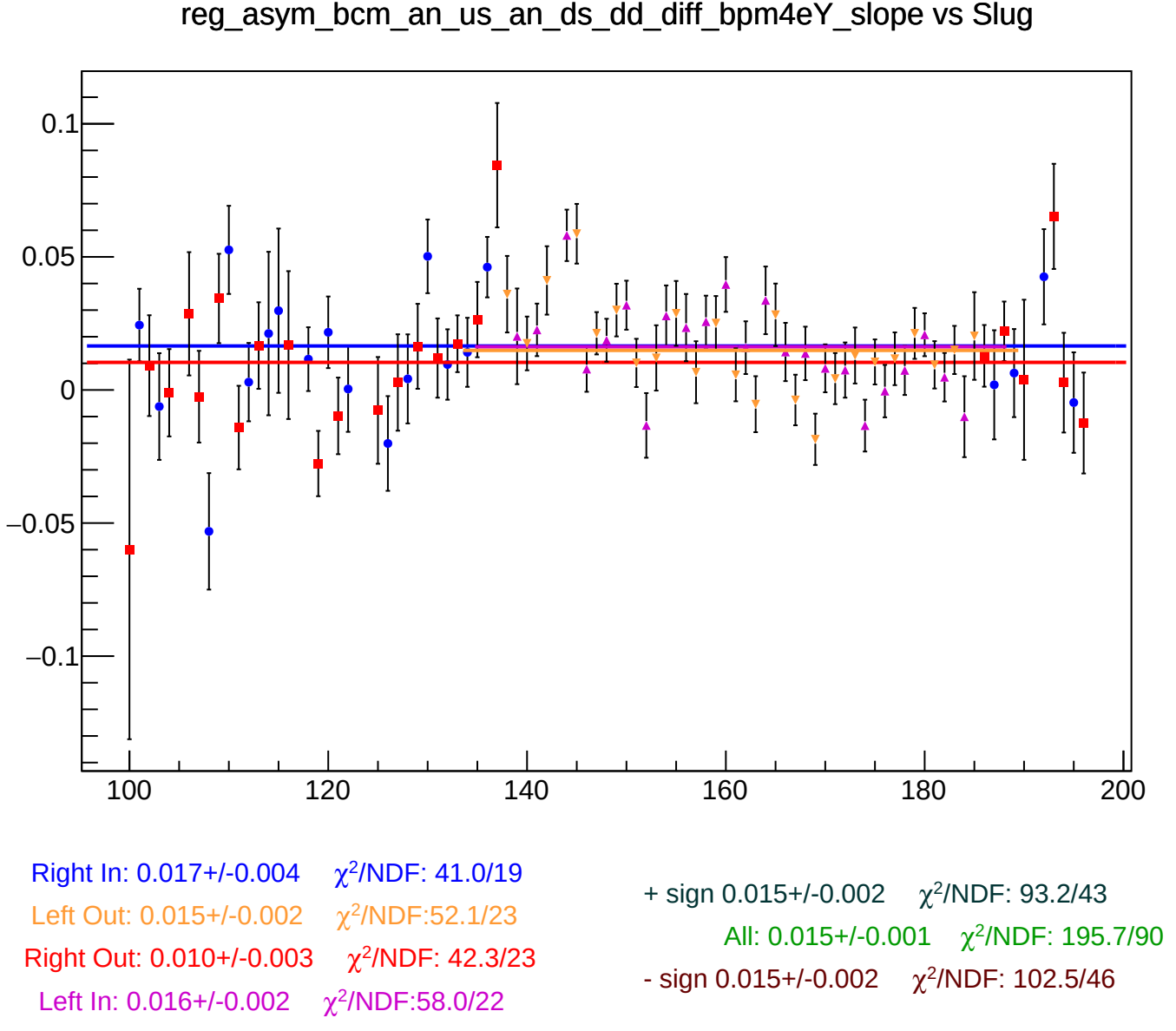
Right Out: 0.016+/-0.002 χ^2/NDF: 982.6/23

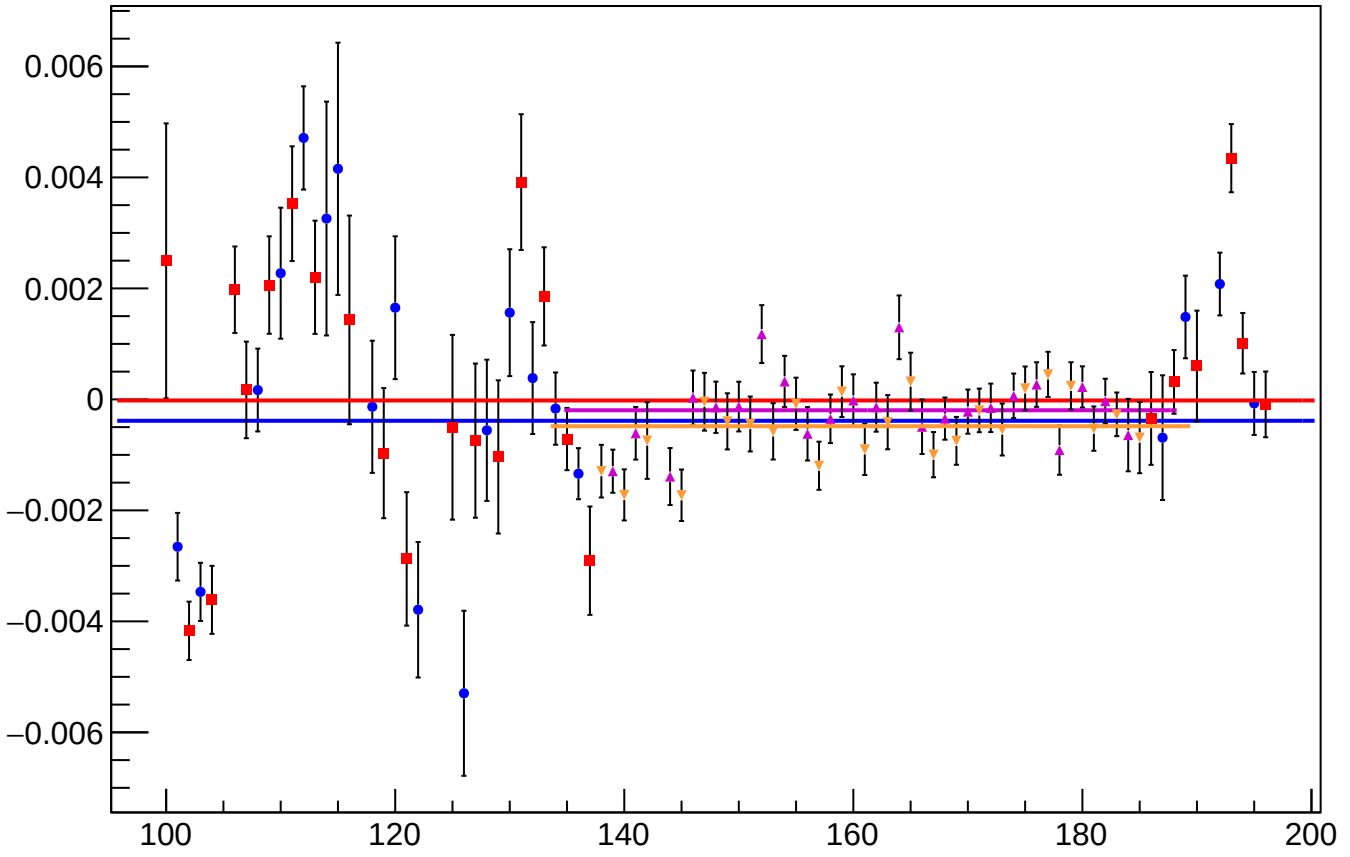
Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.005+/-0.002 χ^2/NDF: 1426.1/43

All: -0.001+/-0.001 χ^2/NDF: 2954.6/90

- sign 0.002+/-0.002 χ^2/NDF: 1521.0/46


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.017+/-0.004 χ²/NDF: 41.0/19
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.010+/-0.003 χ²/NDF: 42.3/23
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
+ sign 0.015+/-0.002 χ²/NDF: 93.2/43
All: 0.015+/-0.001 χ²/NDF: 195.7/90
- sign 0.015+/-0.002 χ²/NDF: 102.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 146.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 214.3/23

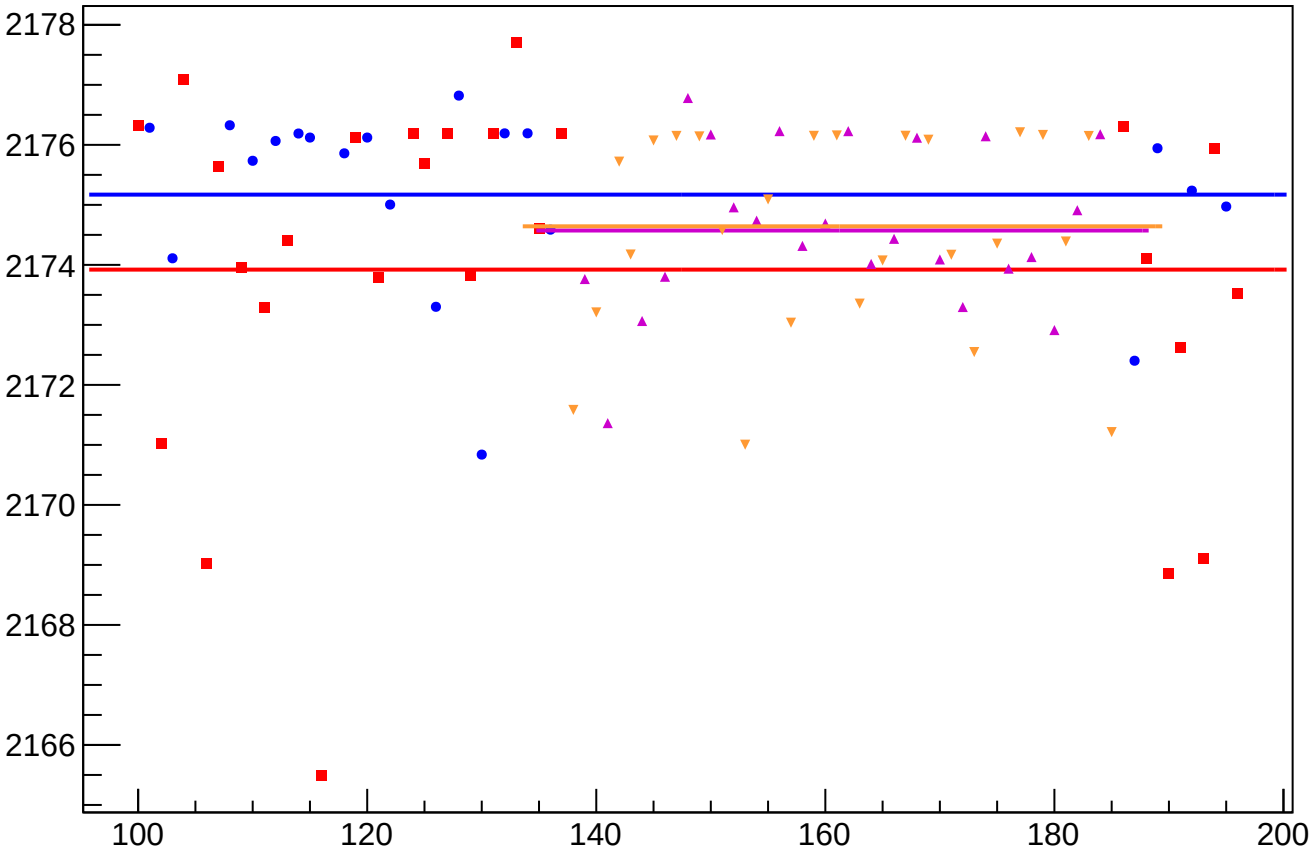
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 187.0/43

All: -0.000+/-0.000 χ^2/NDF: 446.5/90

- sign -0.000+/-0.000 χ^2/NDF: 252.4/46

HALLA_p_mean vs Slug



Right In: 2175.171+/-0.000 χ^2/NDF: 19482825565855141706710737045422080/19

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

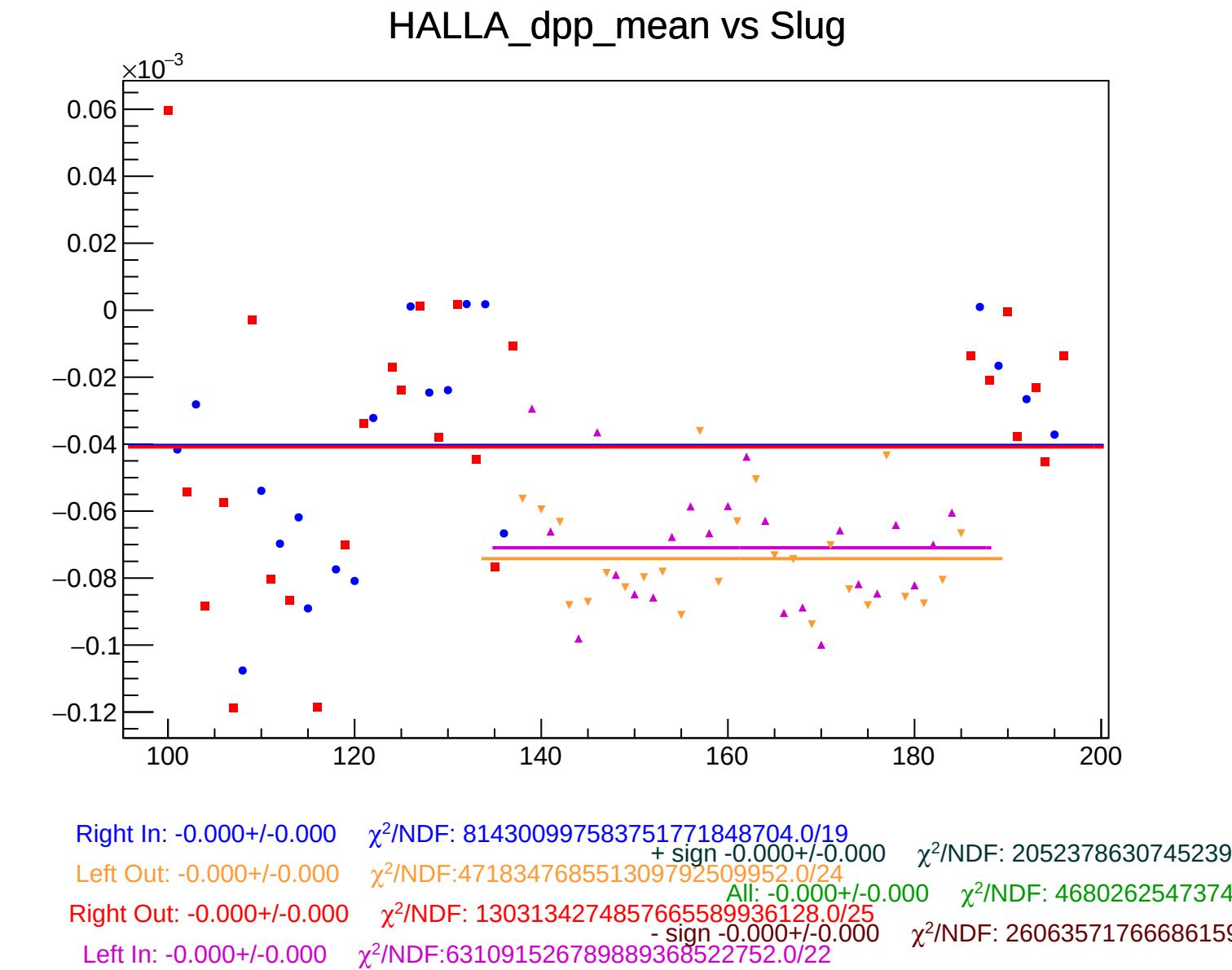
Right Out: 2173.921+/-0.000 χ^2/NDF: 90268288048178638865839971431874560/25

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

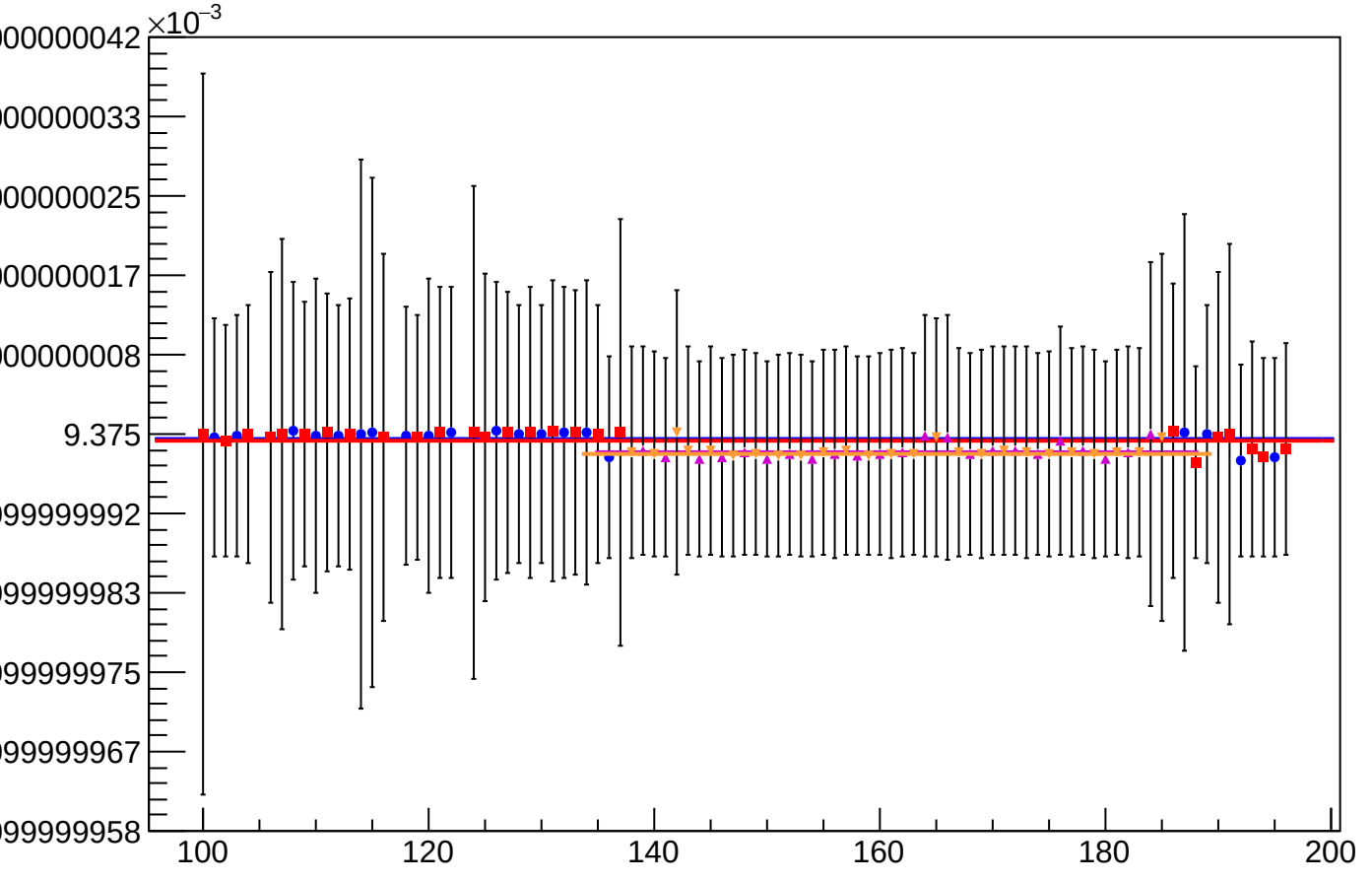
+ sign 2174.818+/-0.000 χ^2/NDF: 73468807752136

All: 2174.564+/-0.000 χ^2/NDF: 2050282858

- 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: 8143009975837517718487040.0/19
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
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: 2052378630745239
All: -0.000+/-0.000 χ²/NDF: 4680262547374
- sign -0.000+/-0.000 χ²/NDF: 2606357176668615

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

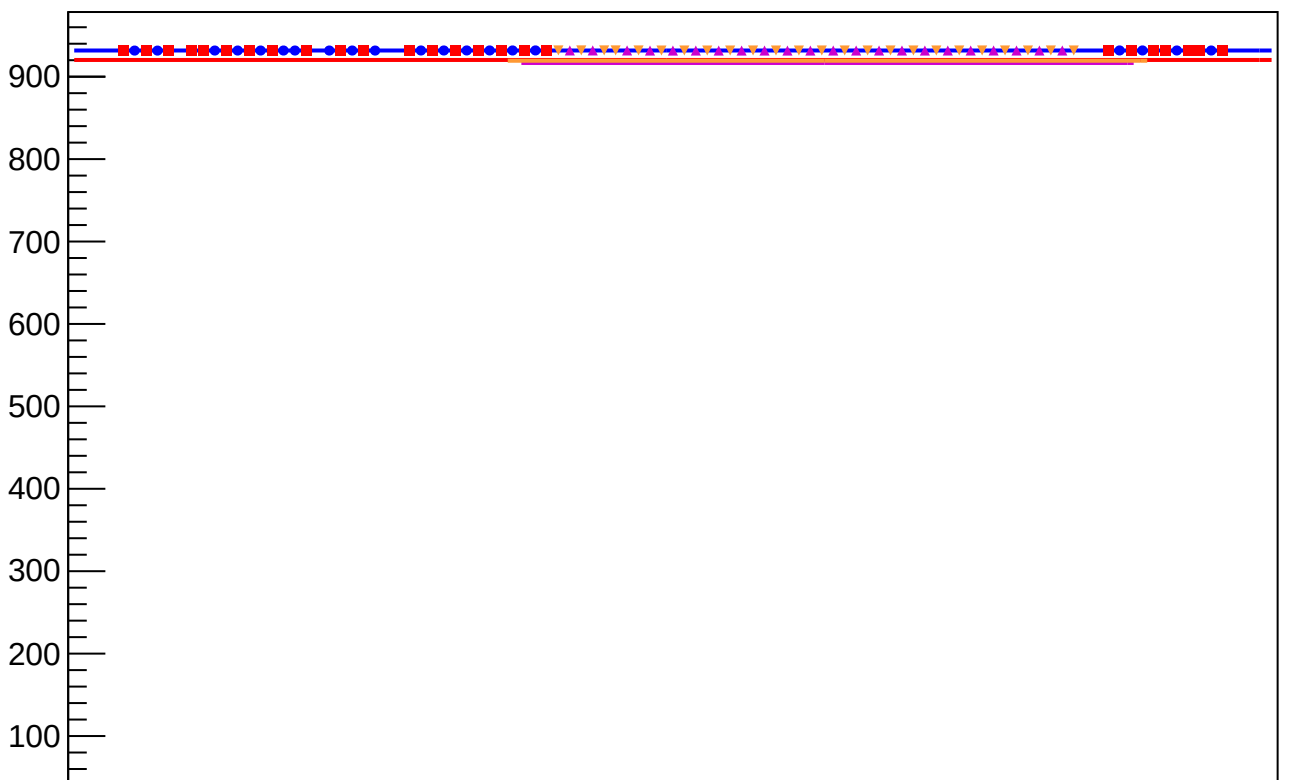
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.778+/-0.000 χ^2/NDF: 3178912956745700694145395326976.0/19

+ sign 923.474+/-0.000 χ^2/NDF: 231246470823801

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

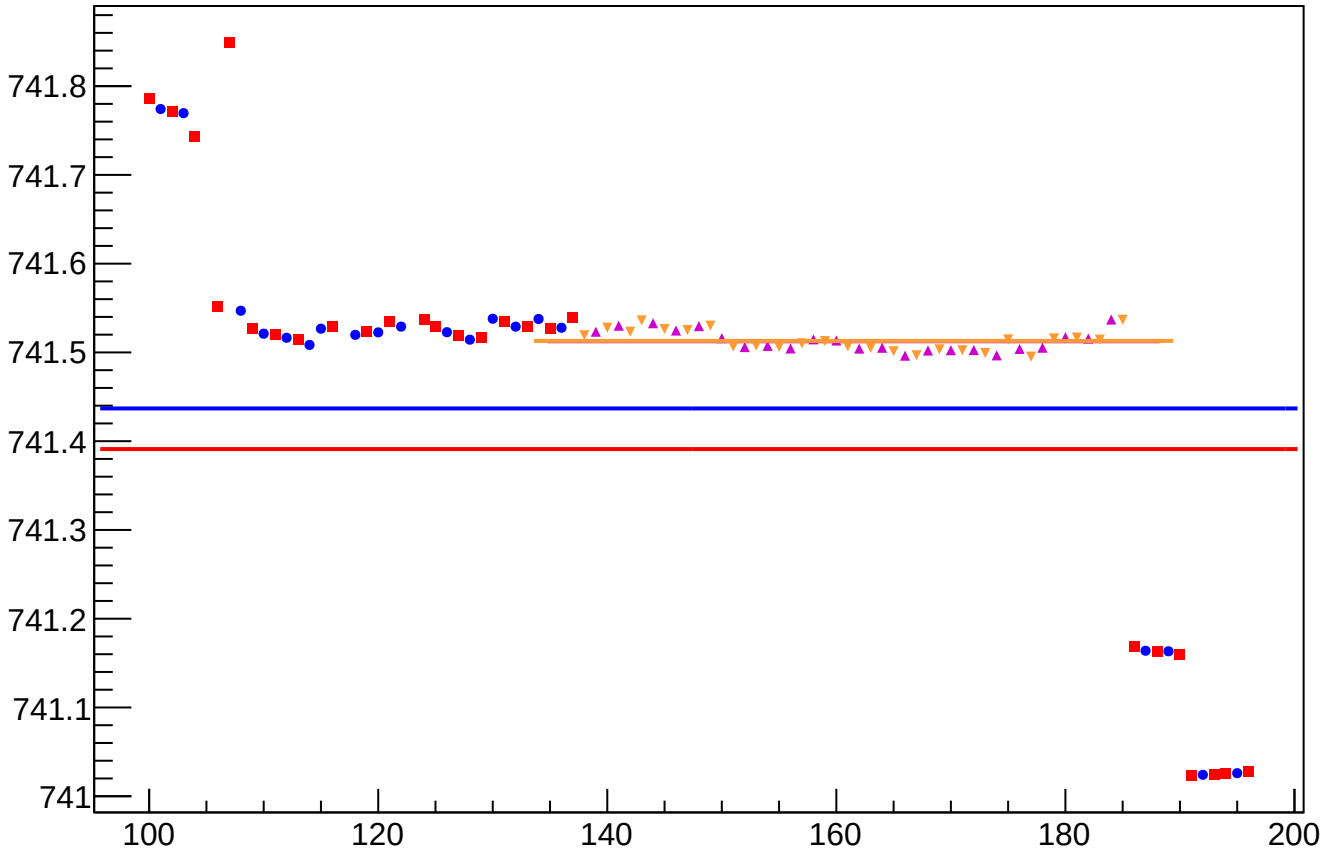
All: 920.729+/-0.000 χ^2/NDF: 624109008661

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:263697449311835480737856648421855723520.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.437+/-0.000 χ^2/NDF: 5685494828219514318587792510156 8.0/19

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.391+/-0.000 χ^2/NDF: 8021428014457121196600931962060 8.0/25

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.488+/-0.000 χ^2/NDF: 609859402612031

All: 741.476+/-0.000 χ^2/NDF: 153166692066

- sign 741.465+/-0.000 χ^2/NDF: 914061806000113

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.803+/-0.000 χ^2/NDF: 954196574176651748625277255680.0/19

+ sign 972.035+/-0.000 χ^2/NDF: 256205954204562

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

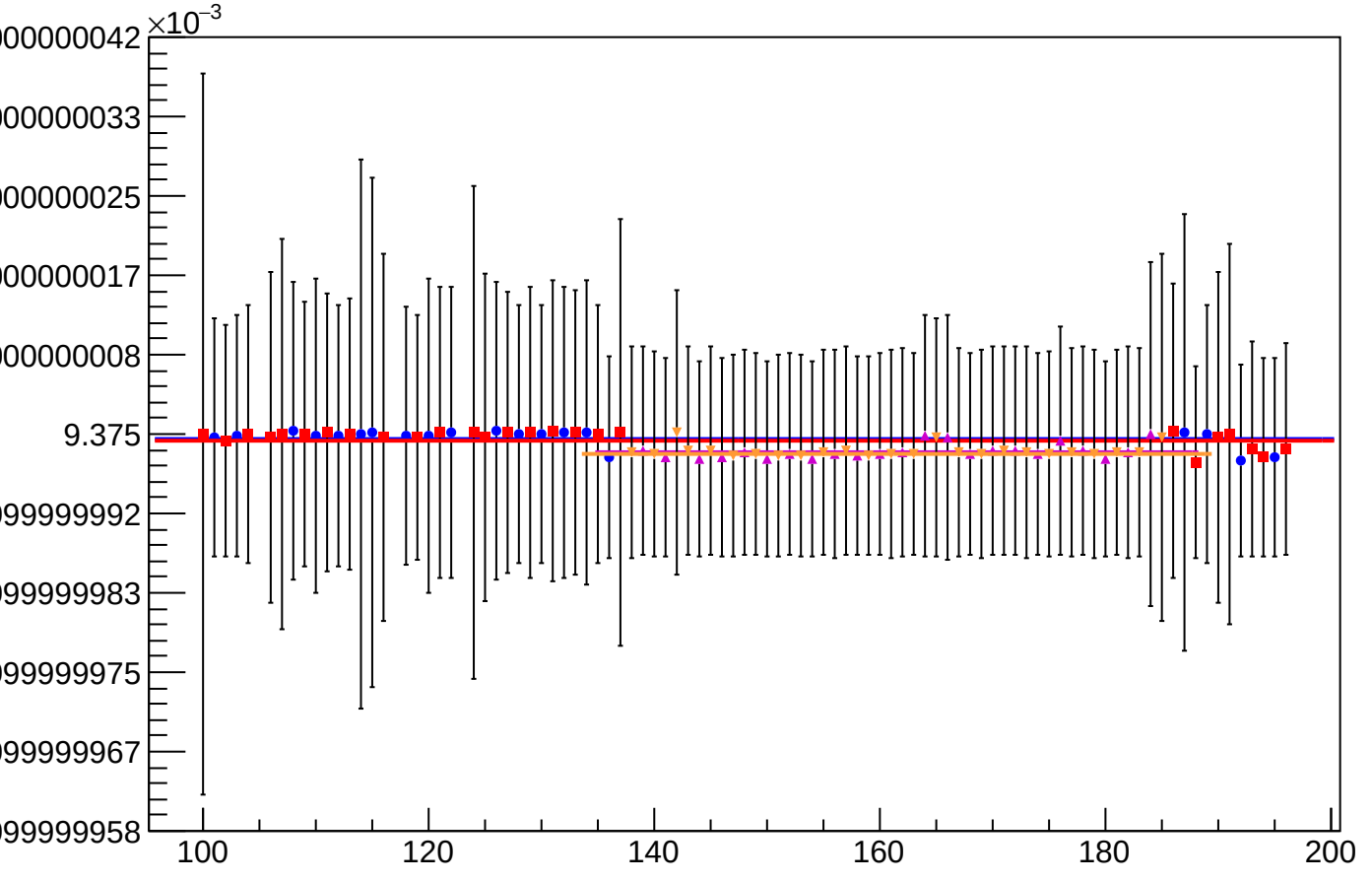
All: 971.538+/-0.000 χ^2/NDF: 55026227380

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:2921583896010307878411284562824501657 6.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

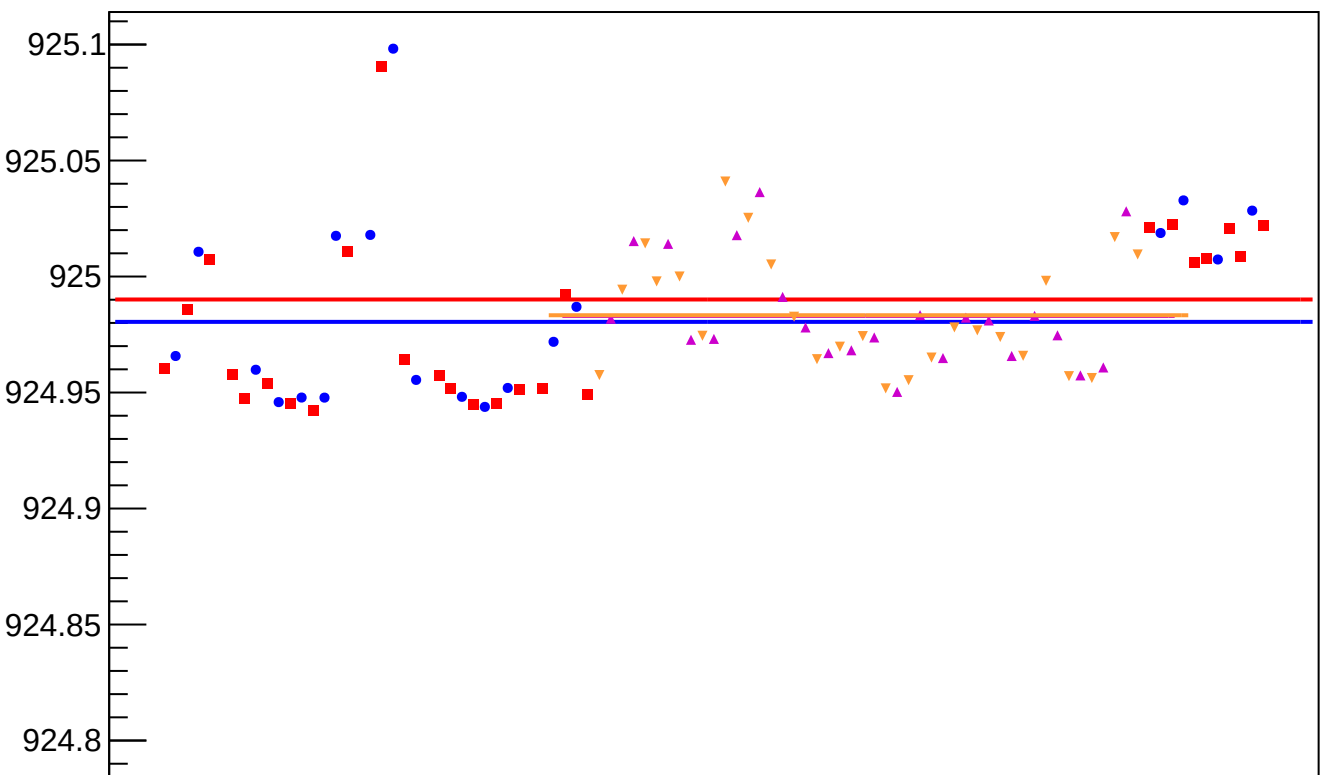
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.980+/-0.000 χ^2/NDF: 3150712355224612567697739218944.0/19

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

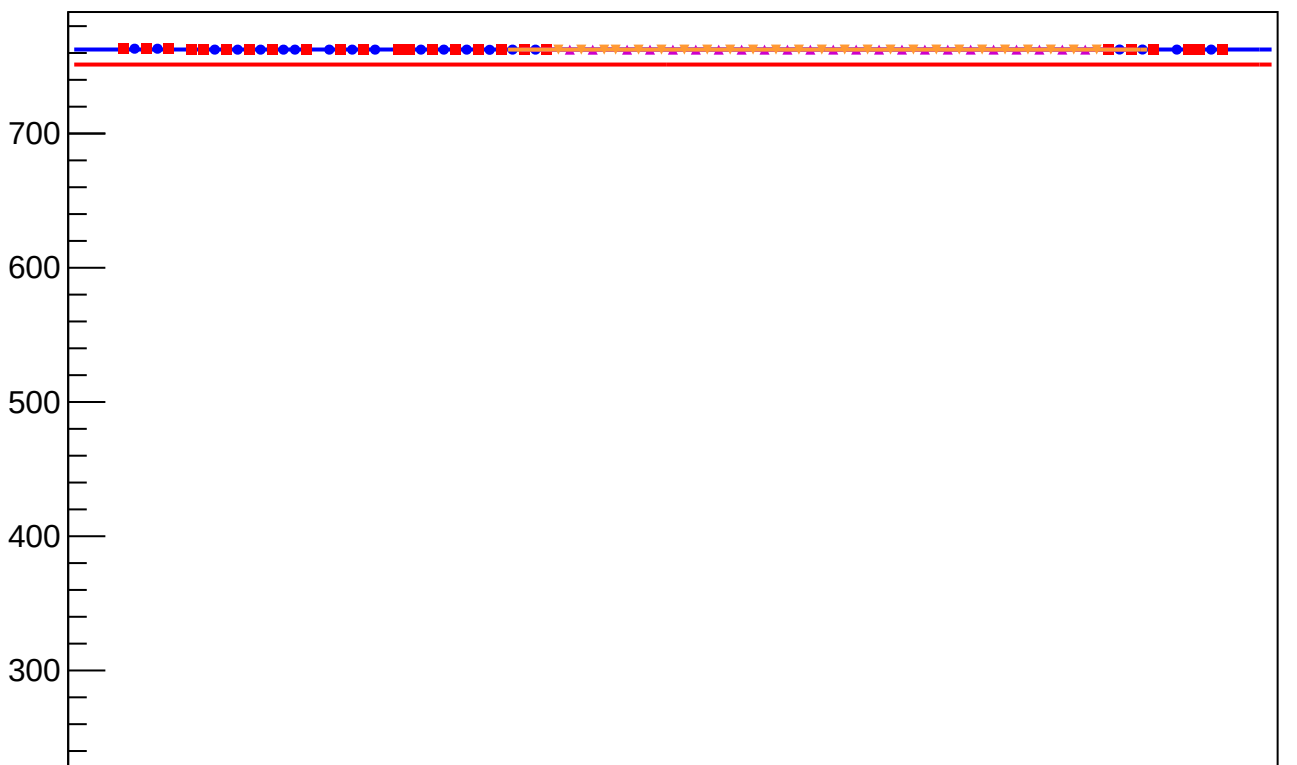
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.982+/-0.000 χ^2/NDF: 431727738745424

All: 924.984+/-0.000 χ^2/NDF: 708956282642

- sign 924.986+/-0.000 χ^2/NDF: 275440112061560

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.593+/-0.000 χ^2/NDF: 5318923789383977867362043743436 8.0/19

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

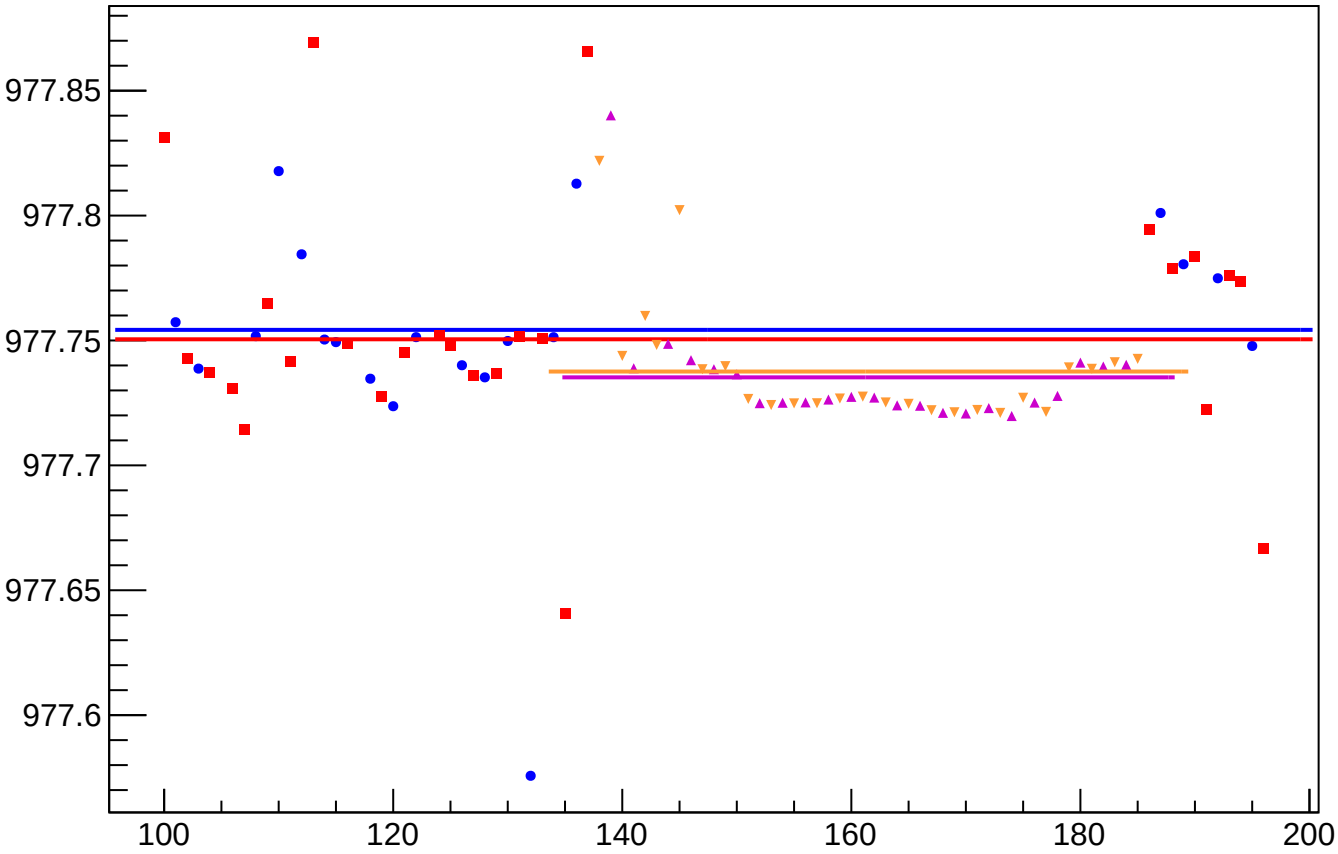
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576635549285047

All: 760.326+/-0.000 χ^2/NDF: 740841121595

- 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: 21029778974692027626611126733824.0/19

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.750+/-0.000 χ^2/NDF: 26831117207544397485698847866688.0/25

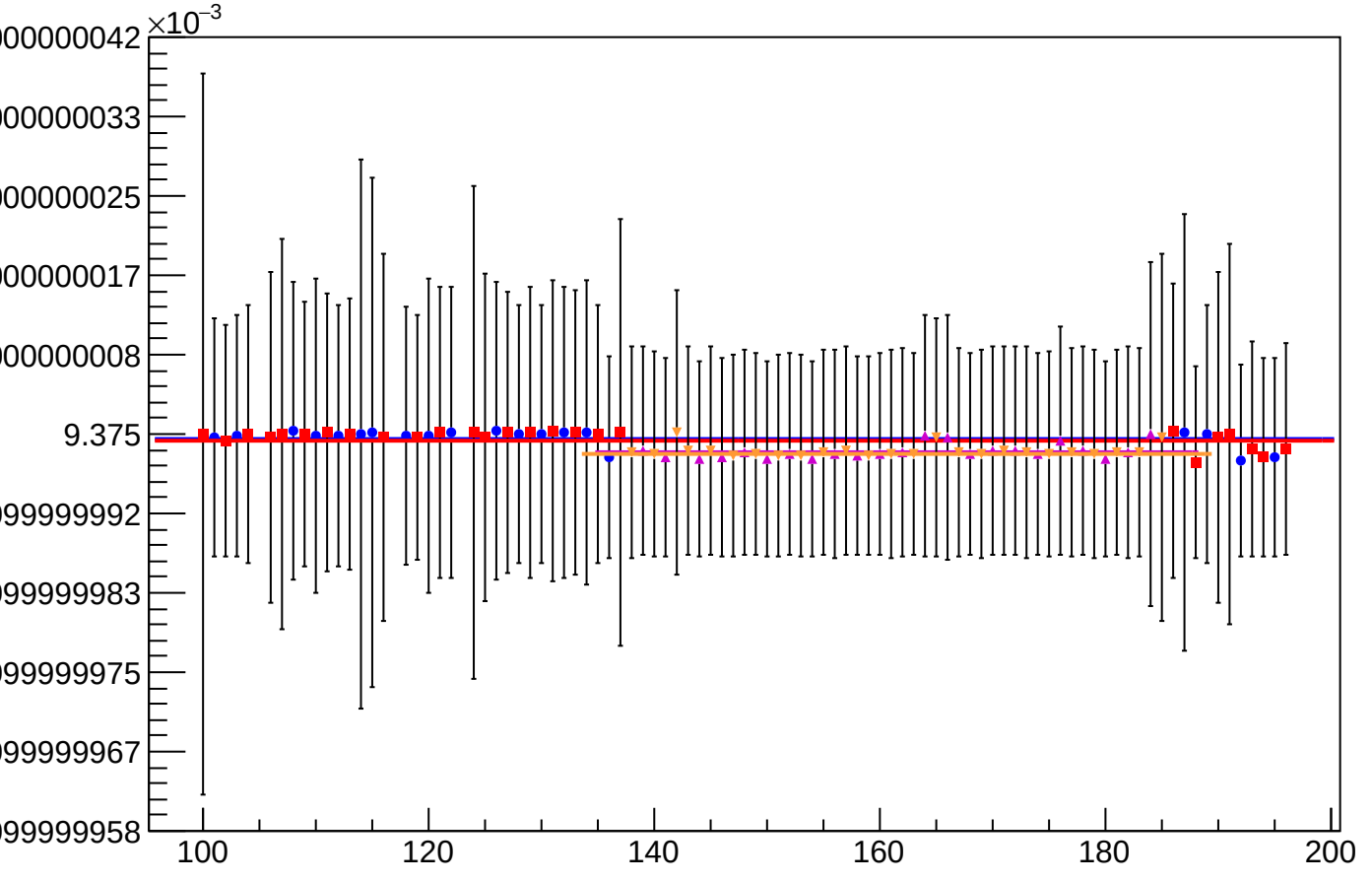
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.743+/-0.000 χ^2/NDF: 346787860028368

All: 977.742+/-0.000 χ^2/NDF: 74259323078

- sign 977.741+/-0.000 χ^2/NDF: 395232856788651

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

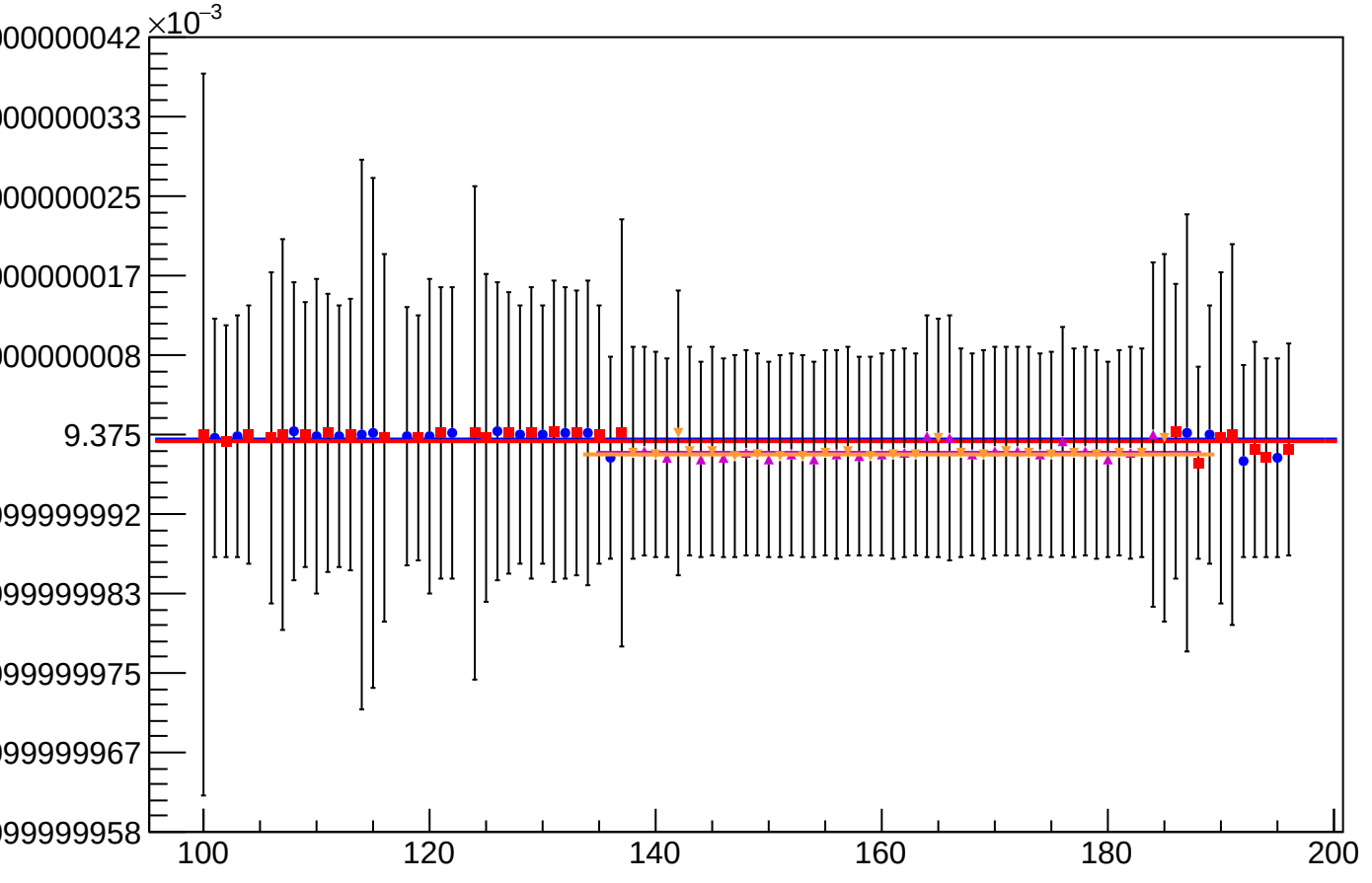
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

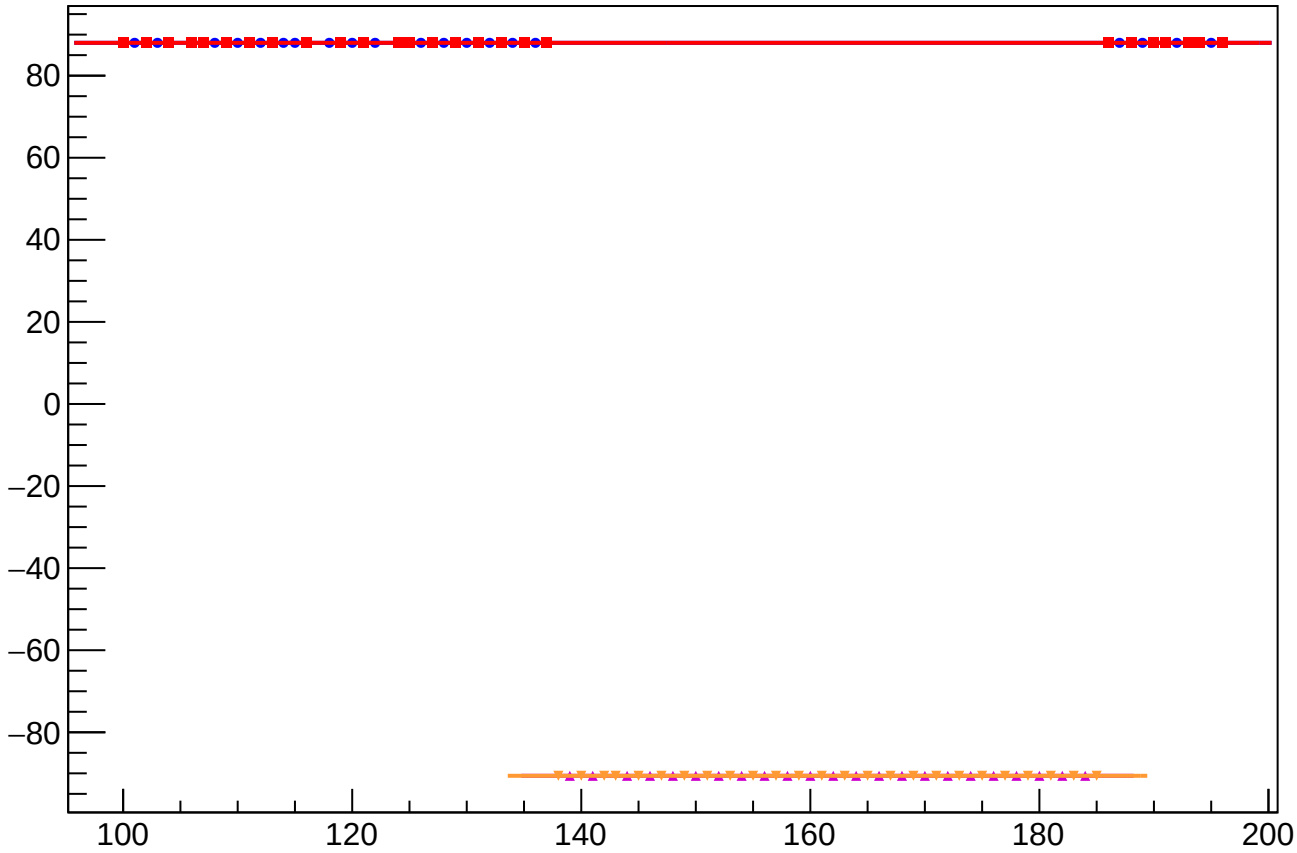
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2095618.5/19

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

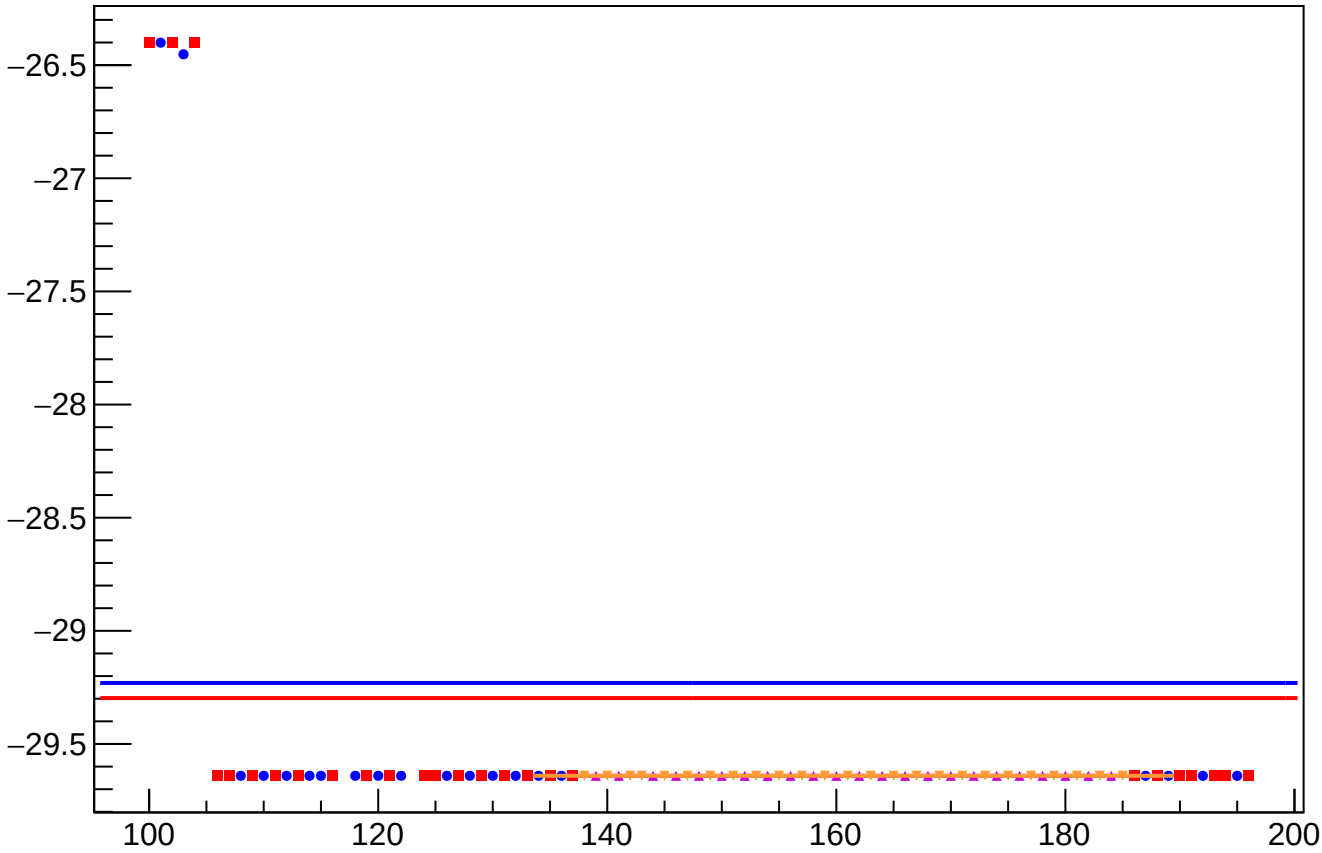
Right Out: 88.002+/-0.000 χ^2/NDF: 753076388048539839013555343872.0/25

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -31.302+/-0.000 χ^2/NDF: 213714642601257

All: -26.066+/-0.000 χ^2/NDF: 452270431145

- sign -21.000+/-0.000 χ^2/NDF: 2369259574236903



Right In: -29.230+/-0.000 χ^2/NDF: 1154054866258381624367081410527232.0/19

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: -29.297+/-0.000 χ^2/NDF: 121064844305670865610638964136345 6.0/25

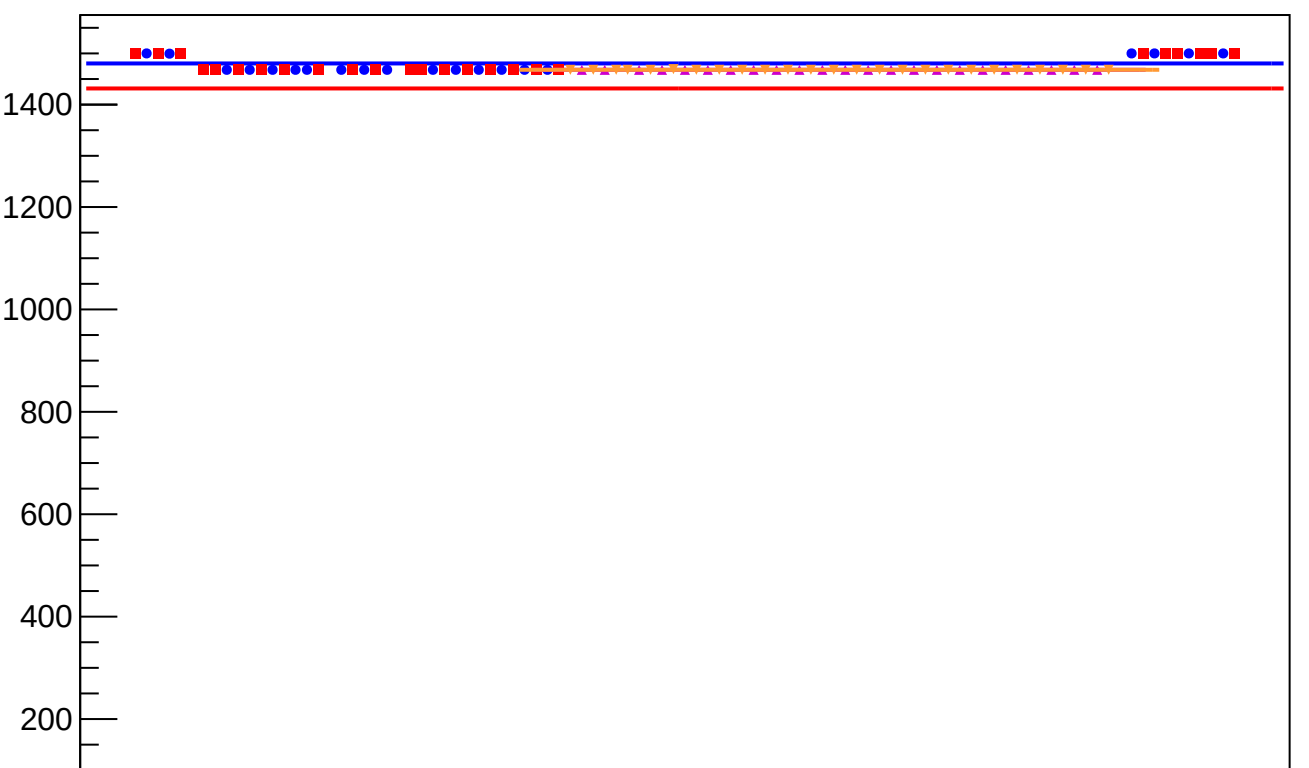
Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.504+/-0.000 χ^2/NDF: 126681795568165

All: -29.506+/-0.000 χ^2/NDF: 256508022857

- sign -29.507+/-0.000 χ^2/NDF: 1298253620749271

psub_pl_pos_mean vs Slug



Right In: 1480.398+/-0.000 χ^2/NDF: 24316401838970784766213053388685312 0.0/19

+ sign 1472.150+/-0.000 χ^2/NDF: 3454566880855

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

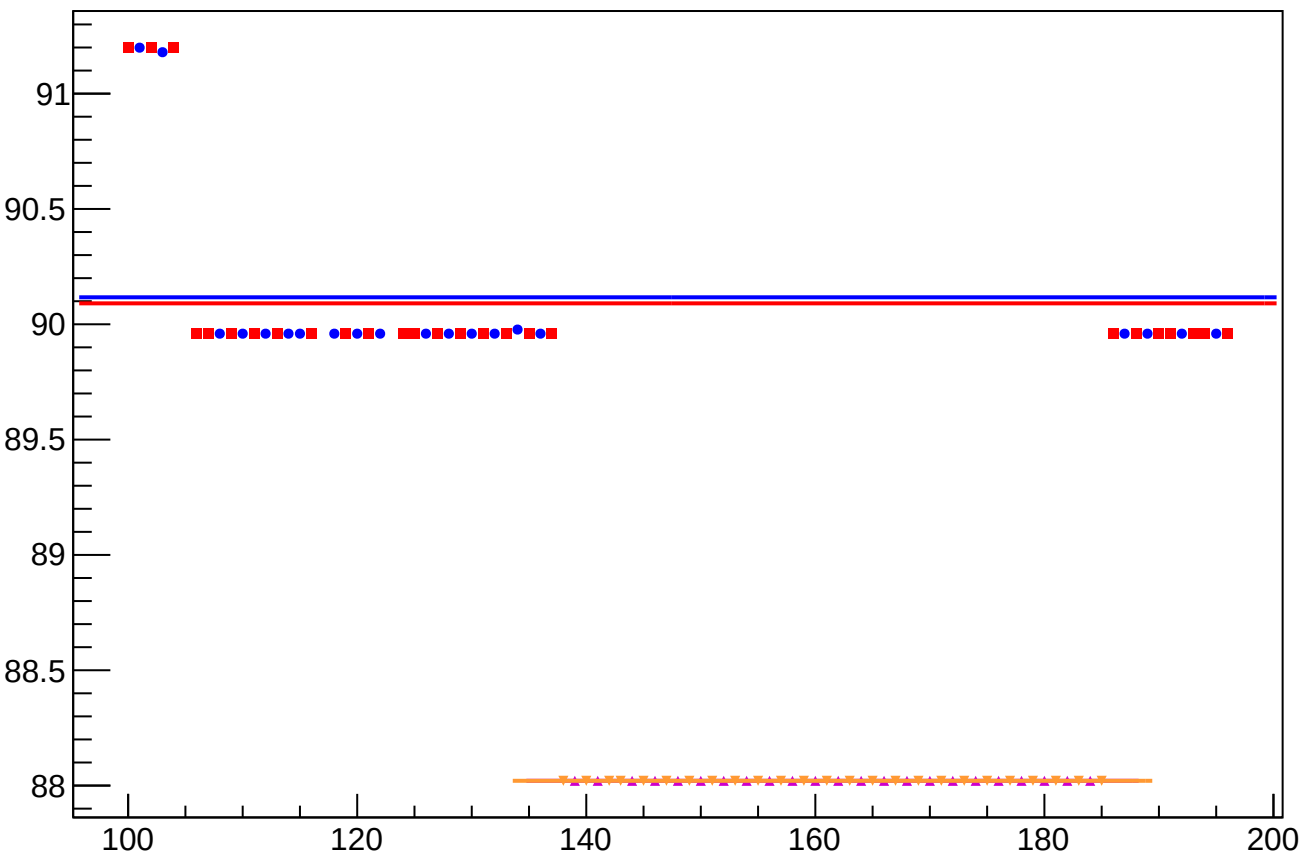
All: 1462.819+/-0.000 χ^2/NDF: 9129643932

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: 90.117+/-0.000 χ^2/NDF: 16883016575580666183063378591744 0.0/19

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.091+/-0.000 χ^2/NDF: 17732558356661670727963333959352 32.0/25

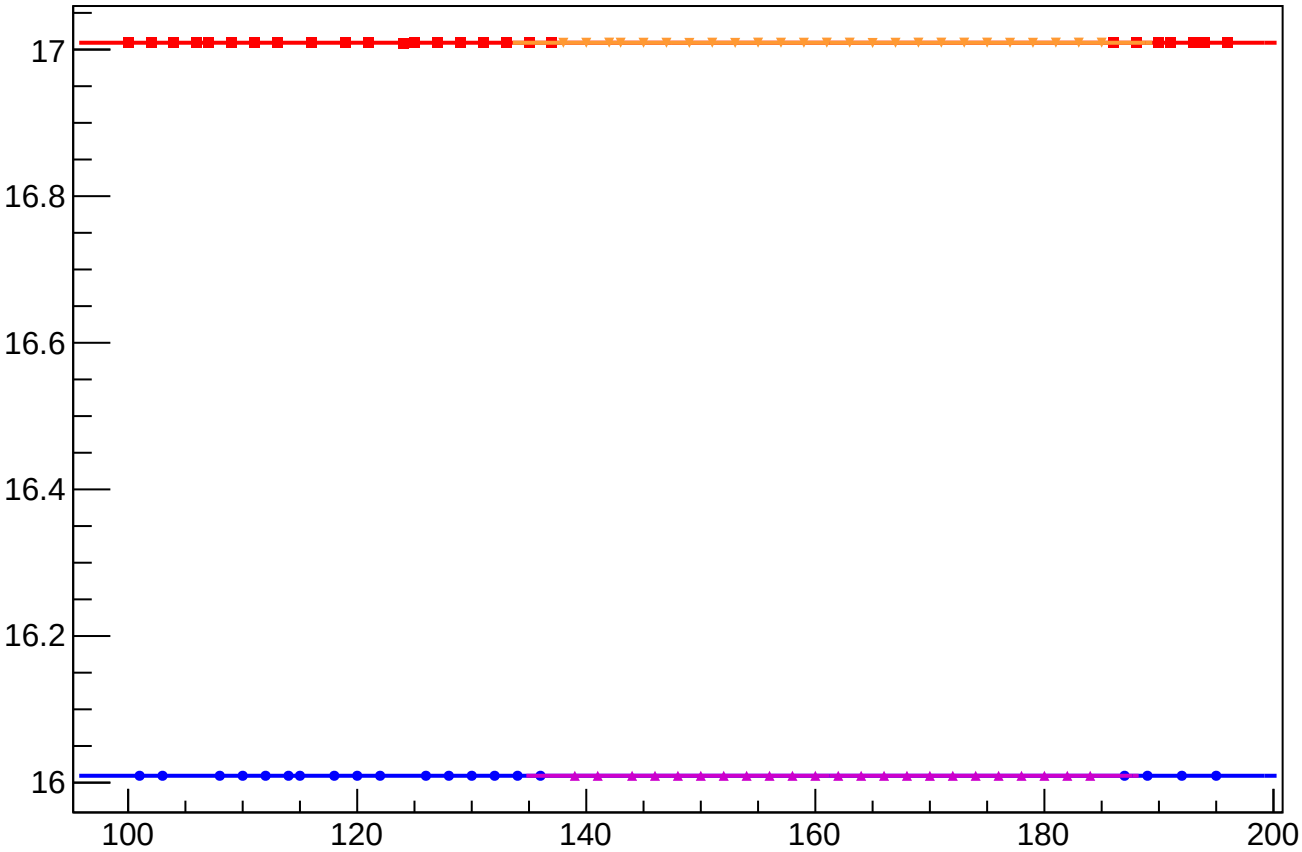
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.717+/-0.000 χ^2/NDF: 3113089313096796

All: 88.773+/-0.000 χ^2/NDF: 649192427435

- sign 88.827+/-0.000 χ^2/NDF: 3360023998308317

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 269348.7/19

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 16952030517492332812566528.0/25

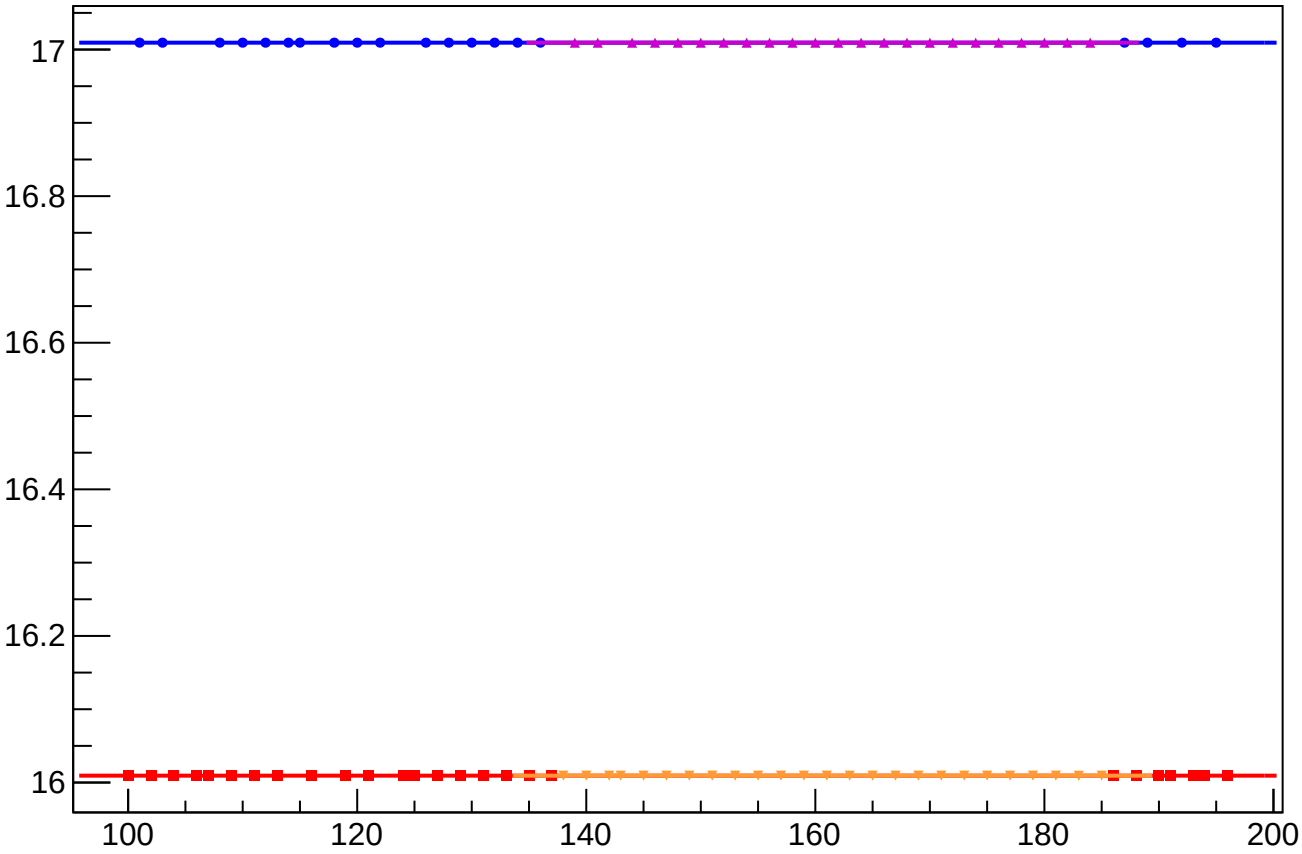
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.669+/-0.000 χ^2/NDF: 6361814003125189

All: 16.534+/-0.000 χ^2/NDF: 1434157206302

- sign 16.403+/-0.000 χ^2/NDF: 6957120827674400

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 203715.4/19

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 292509.6/25

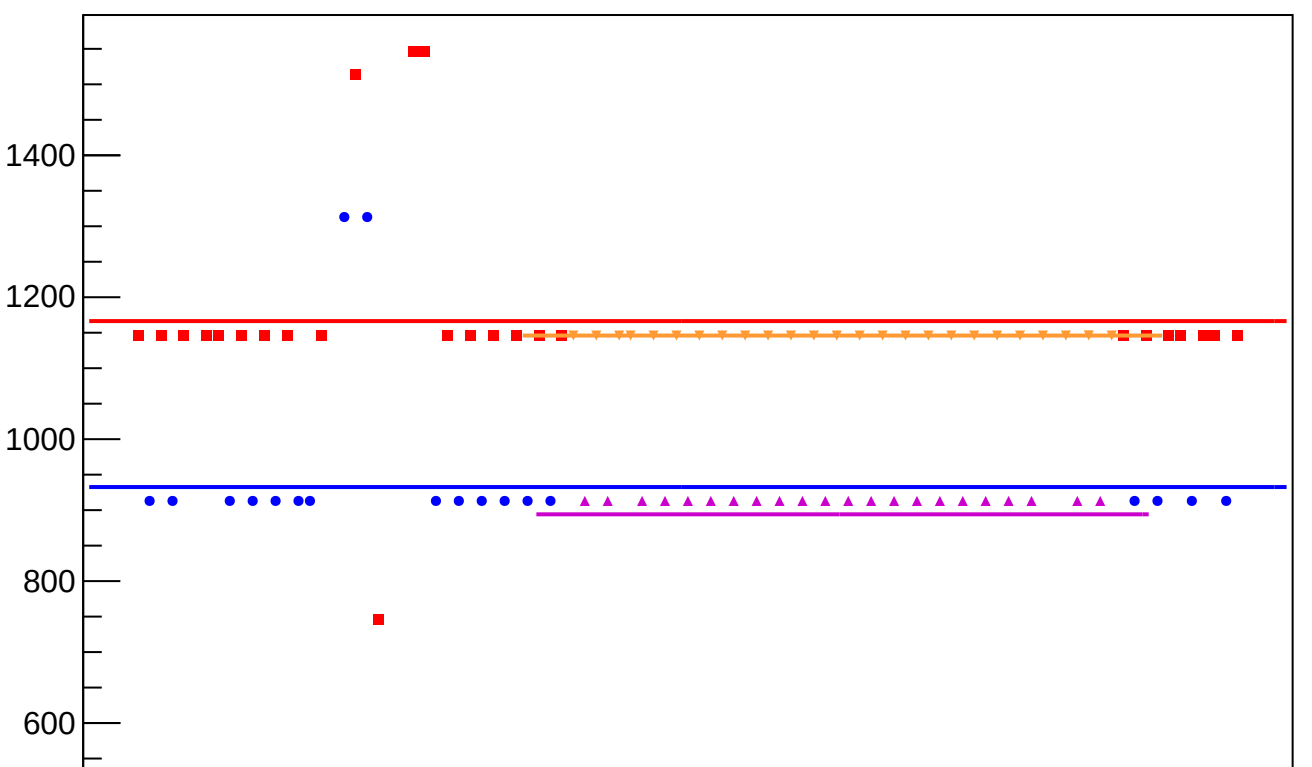
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.337+/-0.000 χ^2/NDF: 6519008070636545

All: 16.478+/-0.000 χ^2/NDF: 150265386030

- sign 16.615+/-0.000 χ^2/NDF: 7341921311738834

RTPAPOSUCNT_mean vs Slug



Right In: 932.536+/-0.000 χ^2/NDF: 212183784468316616336893472630940631040.0/19

+ sign 1075.141+/-0.000 χ^2/NDF: 5175364199833

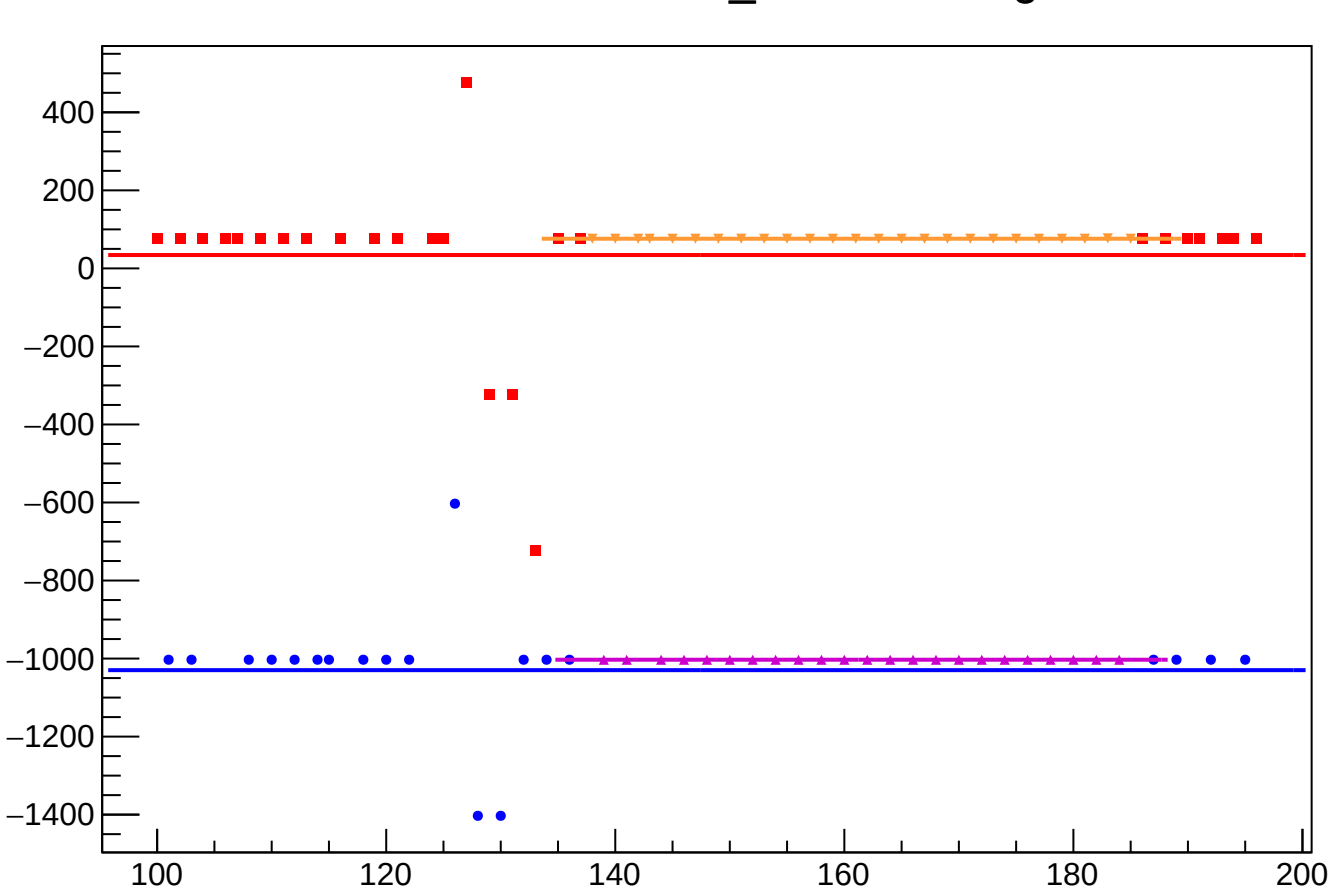
Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

All: 1037.055+/-0.000 χ^2/NDF: 150988293

Right Out: 1166.388+/-0.000 χ^2/NDF: 22440951848937467996506755894509305856.0/25

- sign 1000.212+/-0.000 χ^2/NDF: 90613296395530

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22



Right In: -1029.709+/-0.000 χ^2/NDF: 2312355499962134545296652773235884032 0.0/19

+ sign -291.071+/-0.000 χ^2/NDF: 84233272344403

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

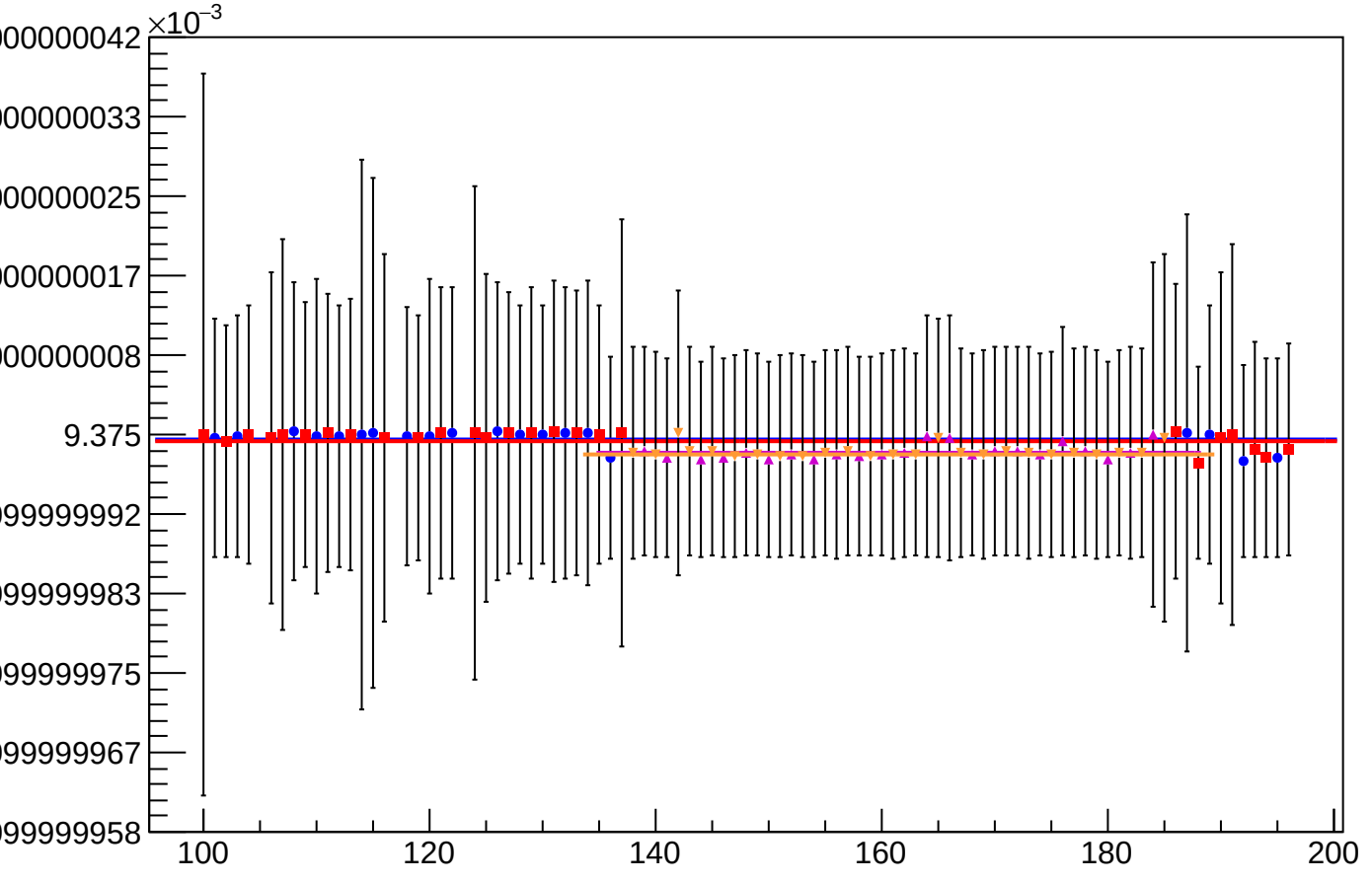
All: -447.480+/-0.000 χ^2/NDF: 1834175109

Right Out: 34.268+/-0.000 χ^2/NDF: 4731923413448227854488382323837789798 4.0/25

- sign -598.781+/-0.000 χ^2/NDF: 84644487889803

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: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

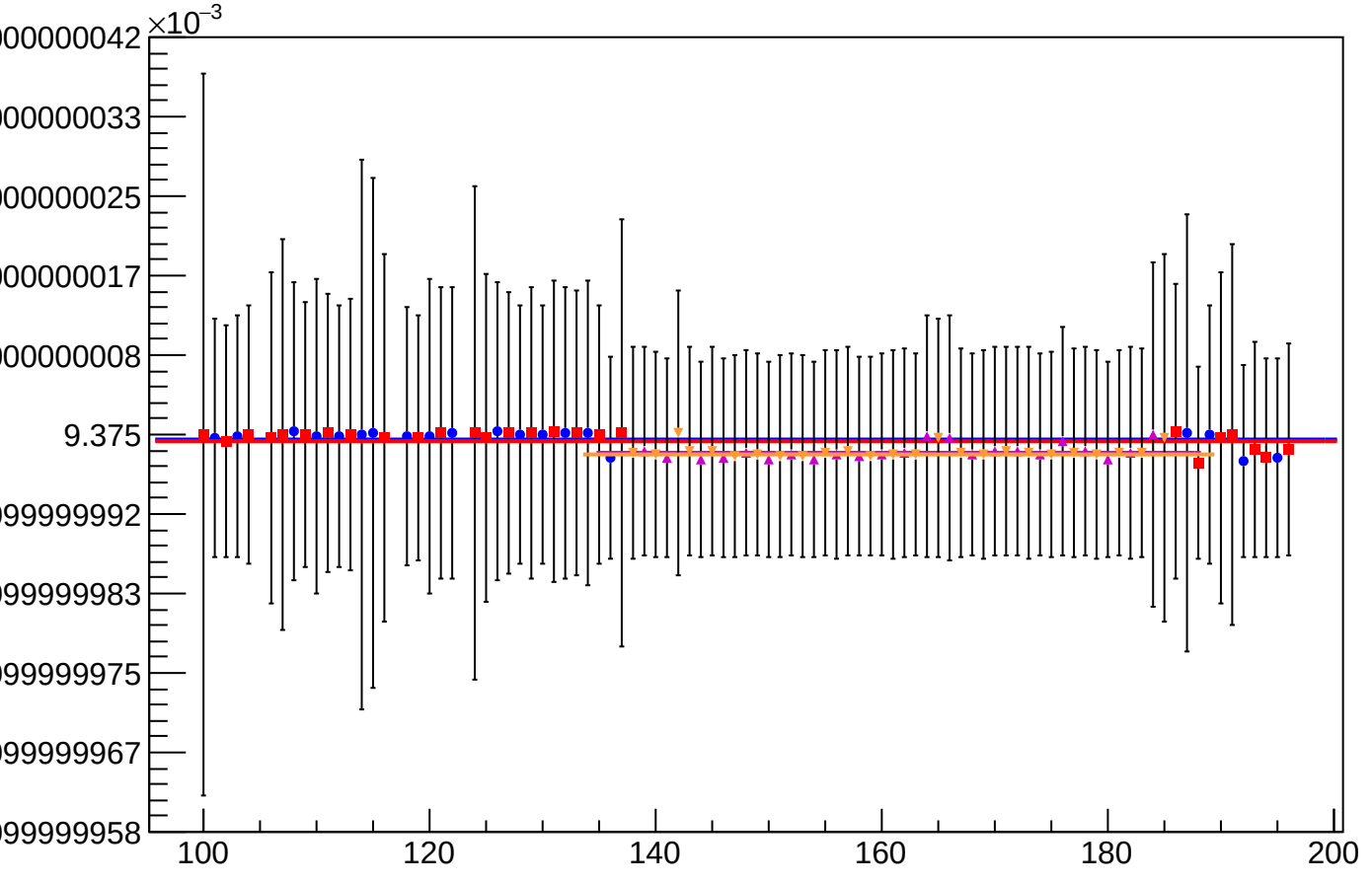
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

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: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/93

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48