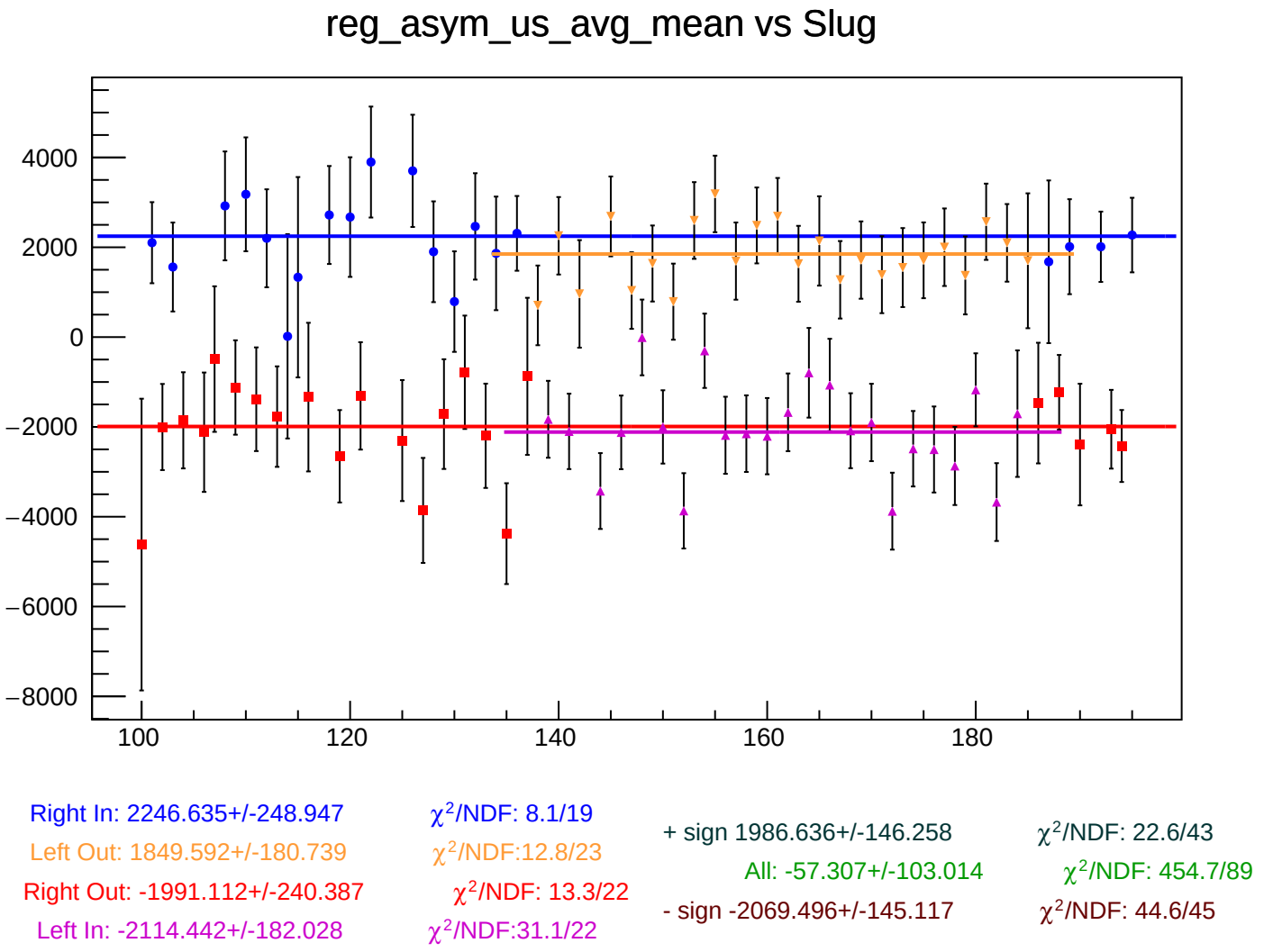


Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

Right Out: -1991.112+/-240.387 χ^2/NDF: 13.3/22

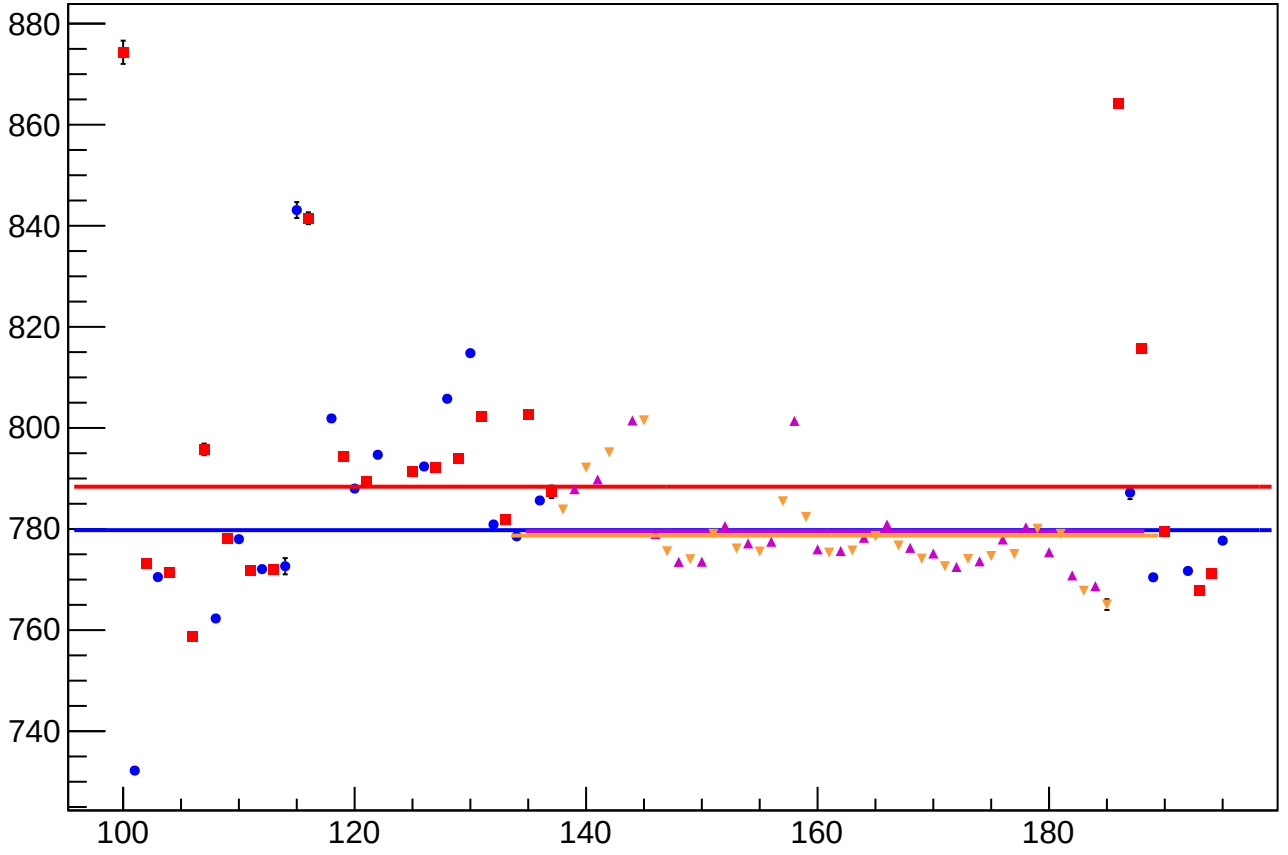
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -57.307+/-103.014 χ^2/NDF: 454.7/89

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45

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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

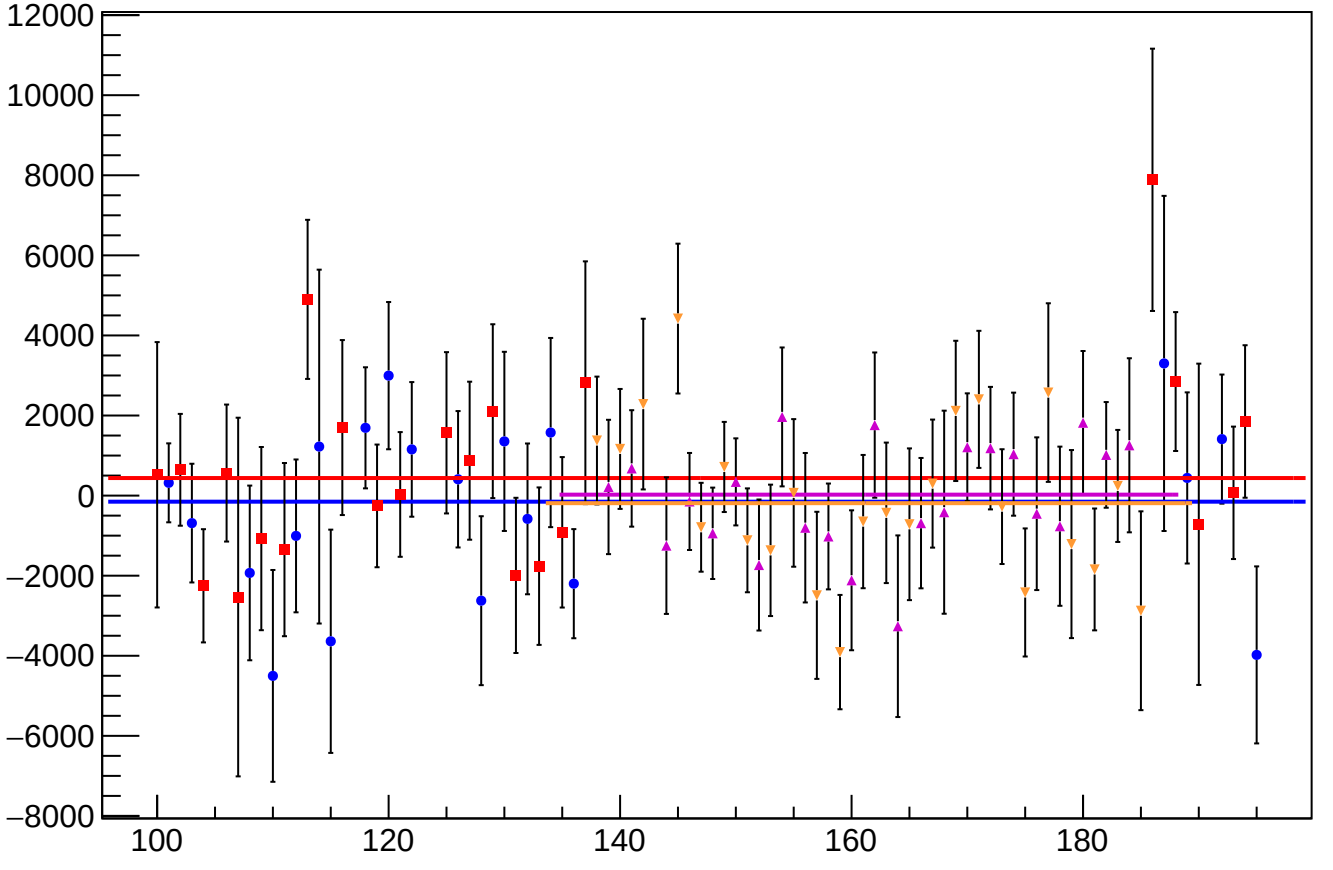
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89

- sign 782.782+/-0.103 χ^2/NDF: 23821.7/45

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: 438.453+/-409.493 χ^2/NDF: 23.6/22

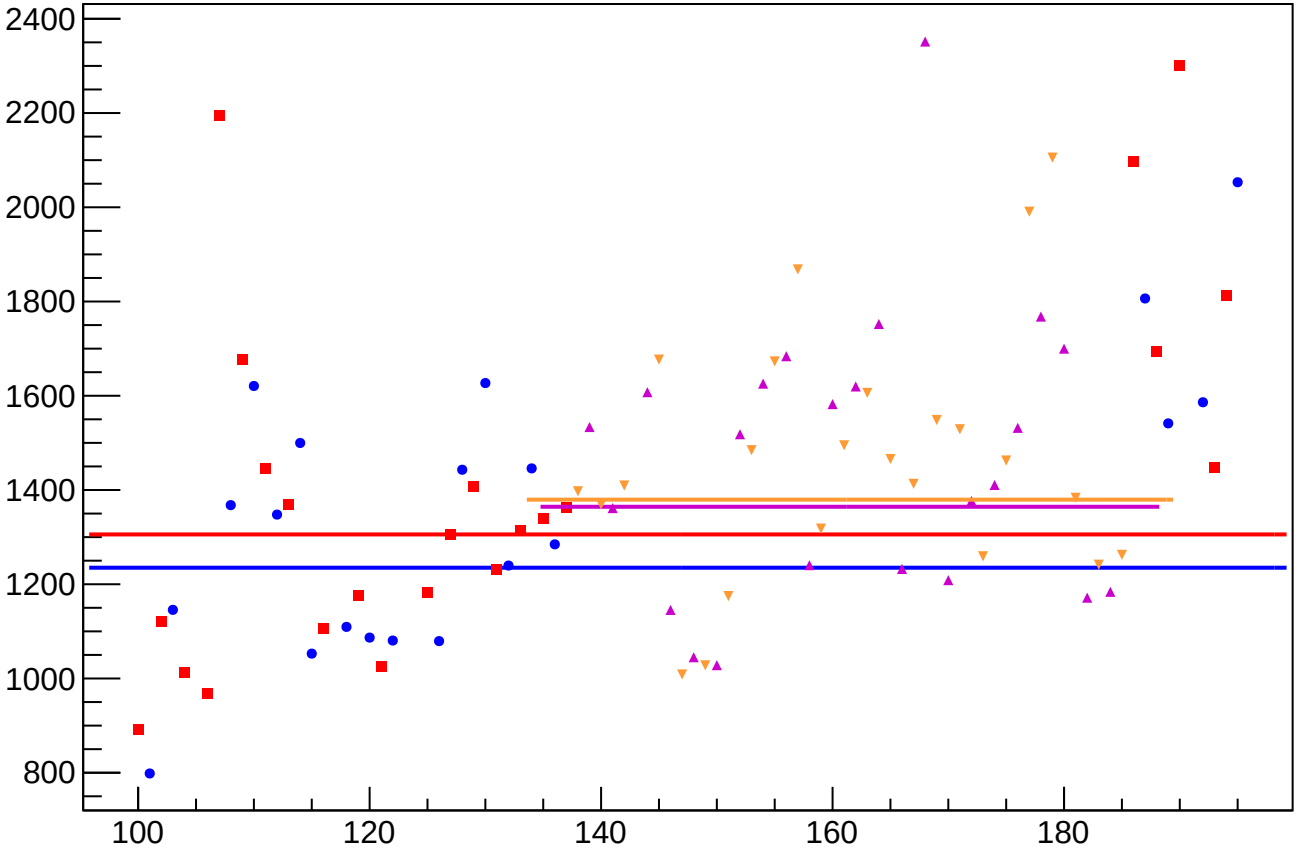
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 5.403+/-180.450 χ^2/NDF: 88.3/89

- sign 184.508+/-254.955 χ^2/NDF: 37.7/45

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

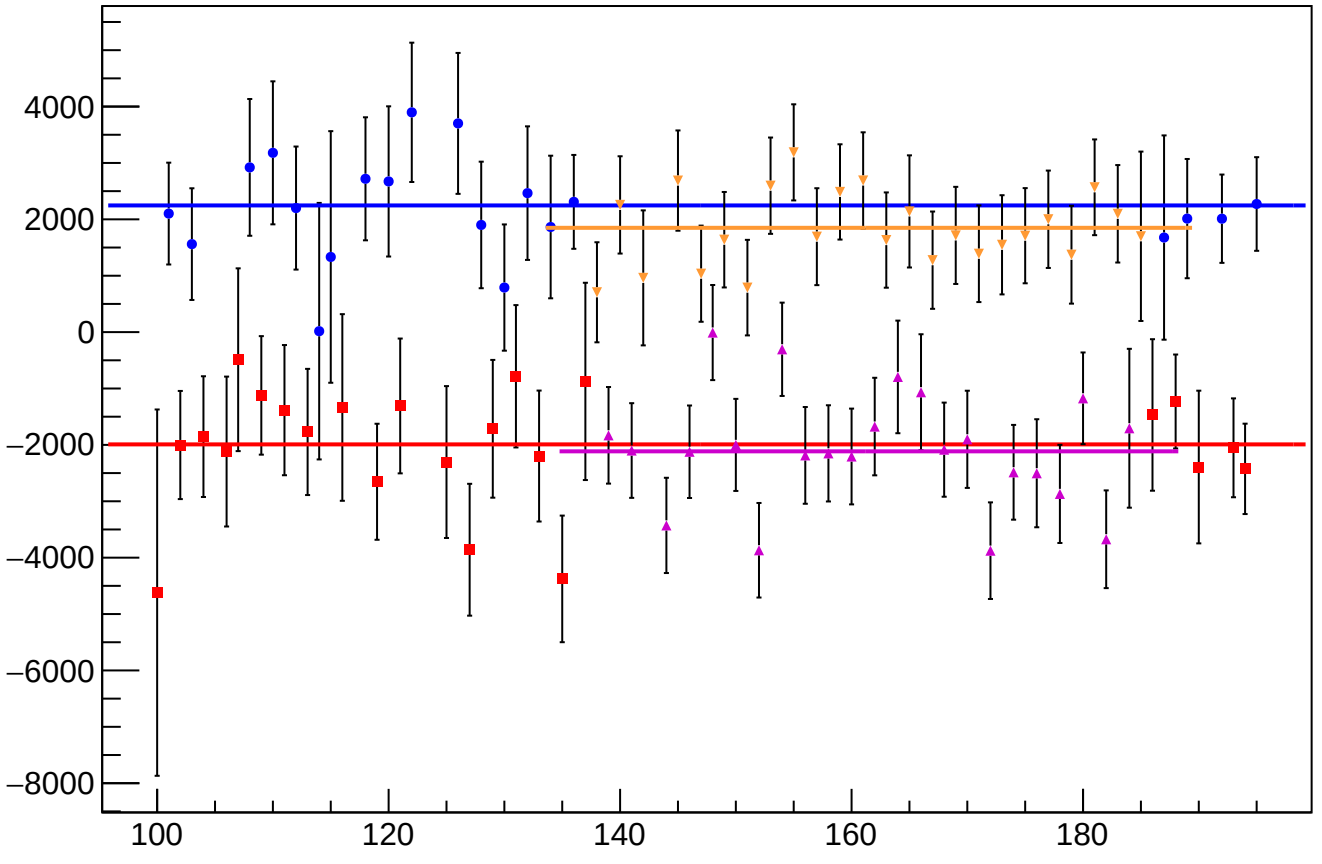
Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

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

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

All: 1332.281+/-0.128 χ^2/NDF: 4714410.1/89

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45



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

Right Out: -1991.112+/-240.387 χ^2/NDF: 13.3/22

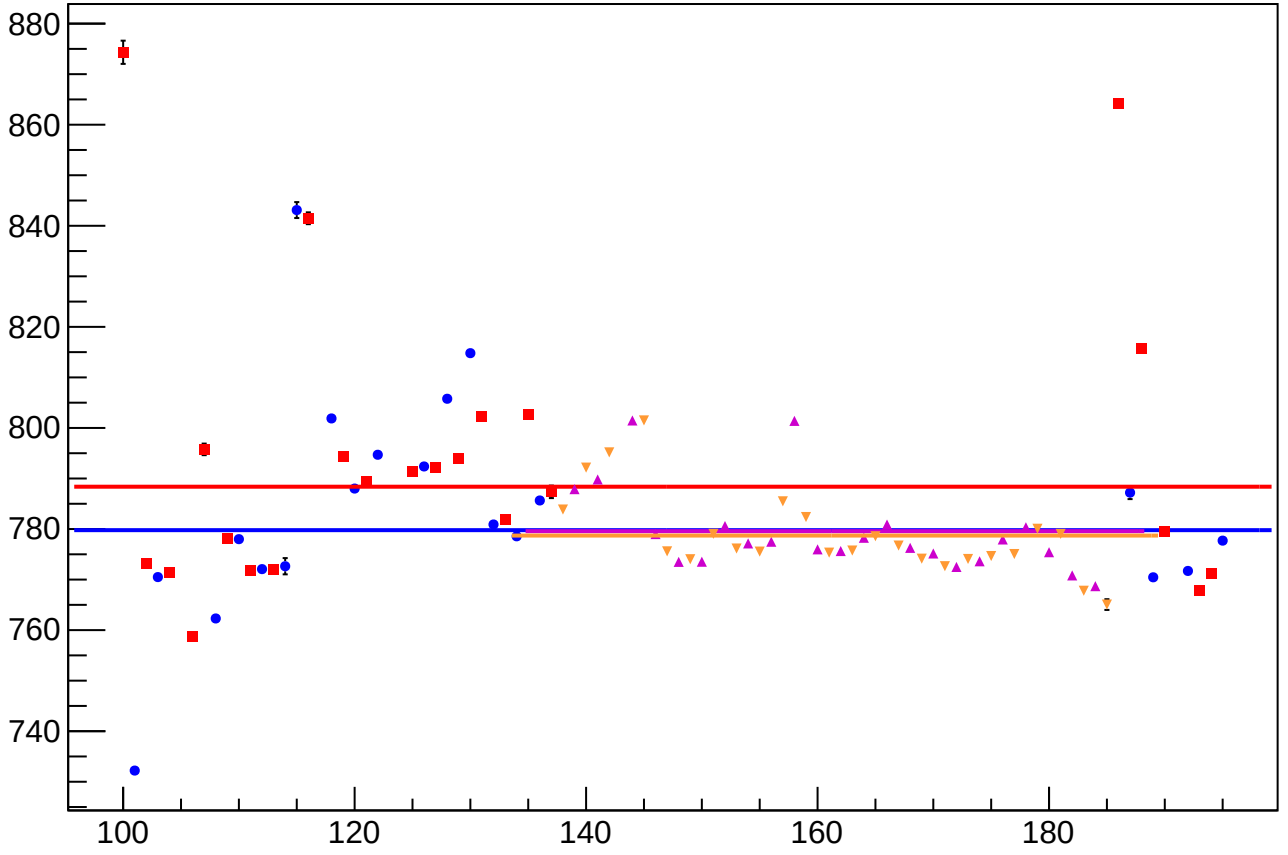
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -57.307+/-103.014 χ^2/NDF: 454.7/89

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45

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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

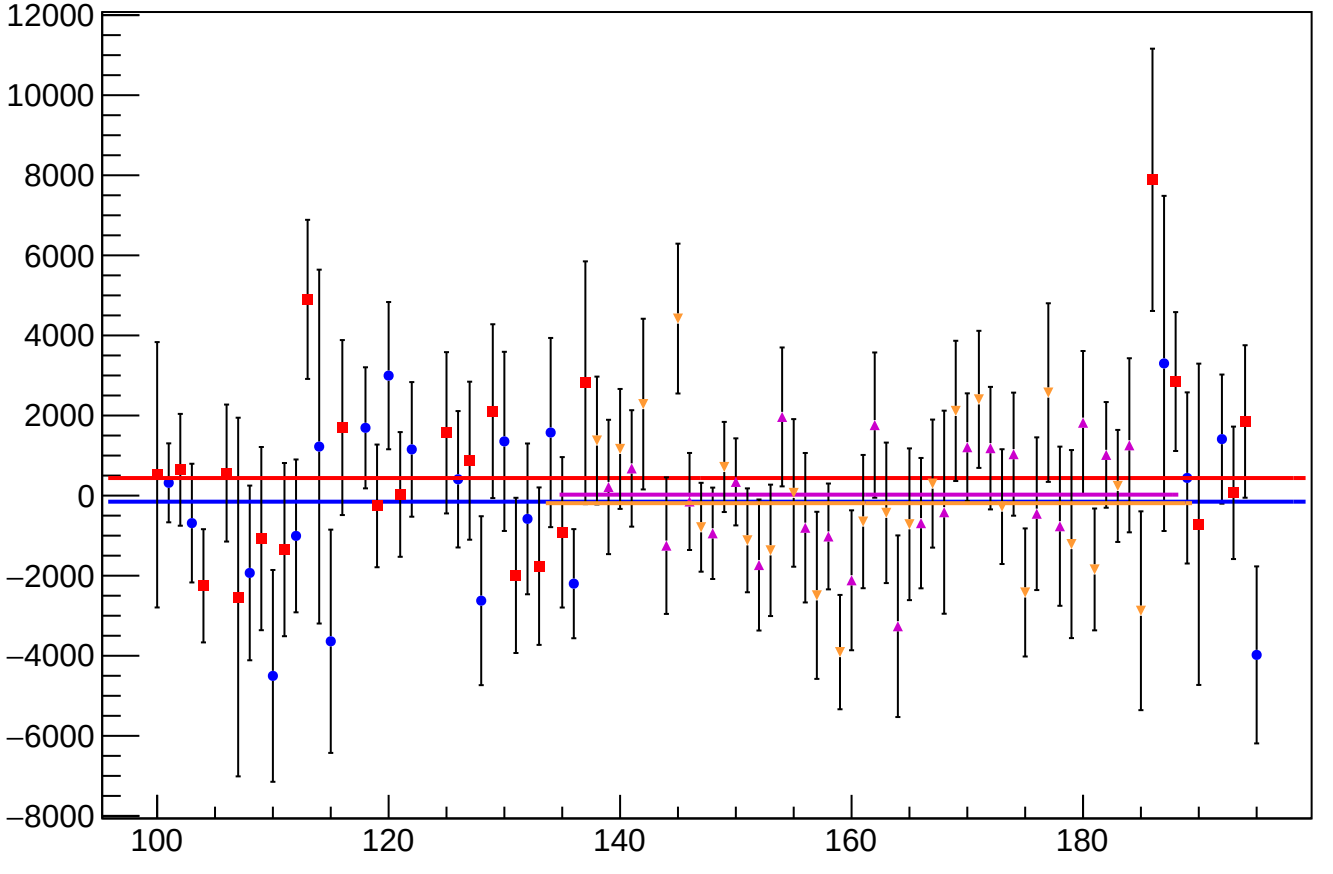
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89

- sign 782.782+/-0.103 χ^2/NDF: 23821.7/45

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: 438.453+/-409.493 χ^2/NDF: 23.6/22

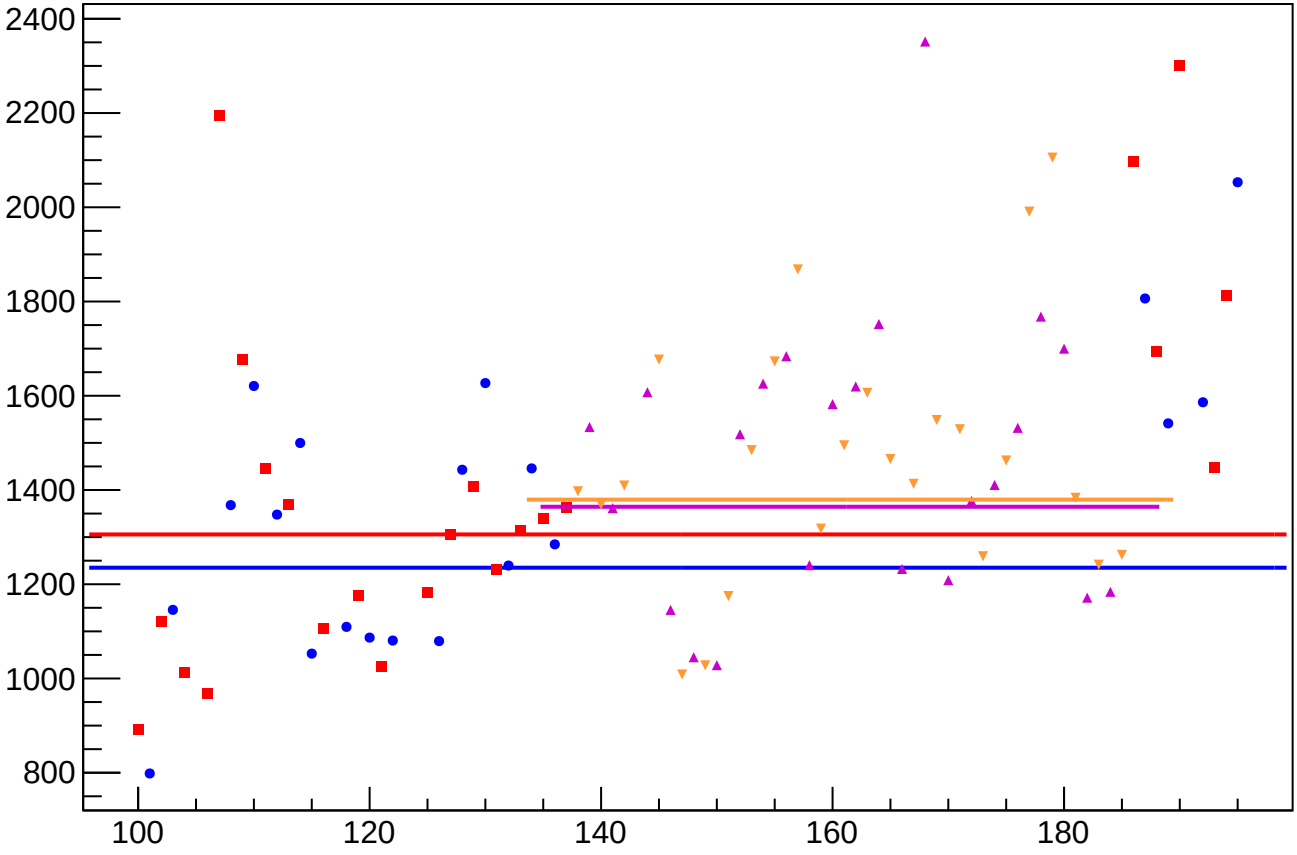
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 5.403+/-180.450 χ^2/NDF: 88.3/89

- sign 184.508+/-254.955 χ^2/NDF: 37.7/45

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: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

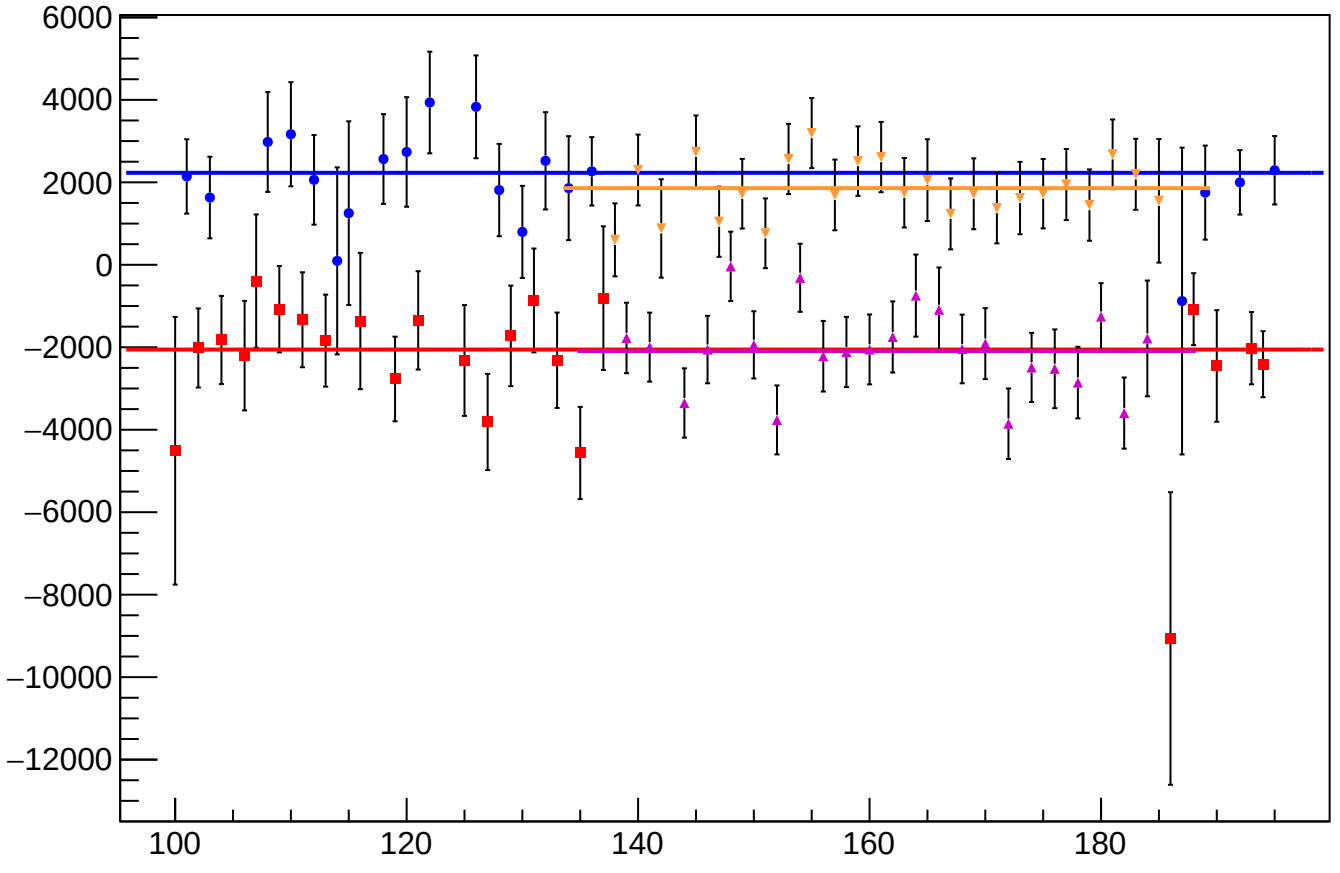
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1332.281+/-0.128 χ^2/NDF: 4714410.1/89

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45

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: -2055.427+/-244.219 χ^2/NDF: 18.3/22

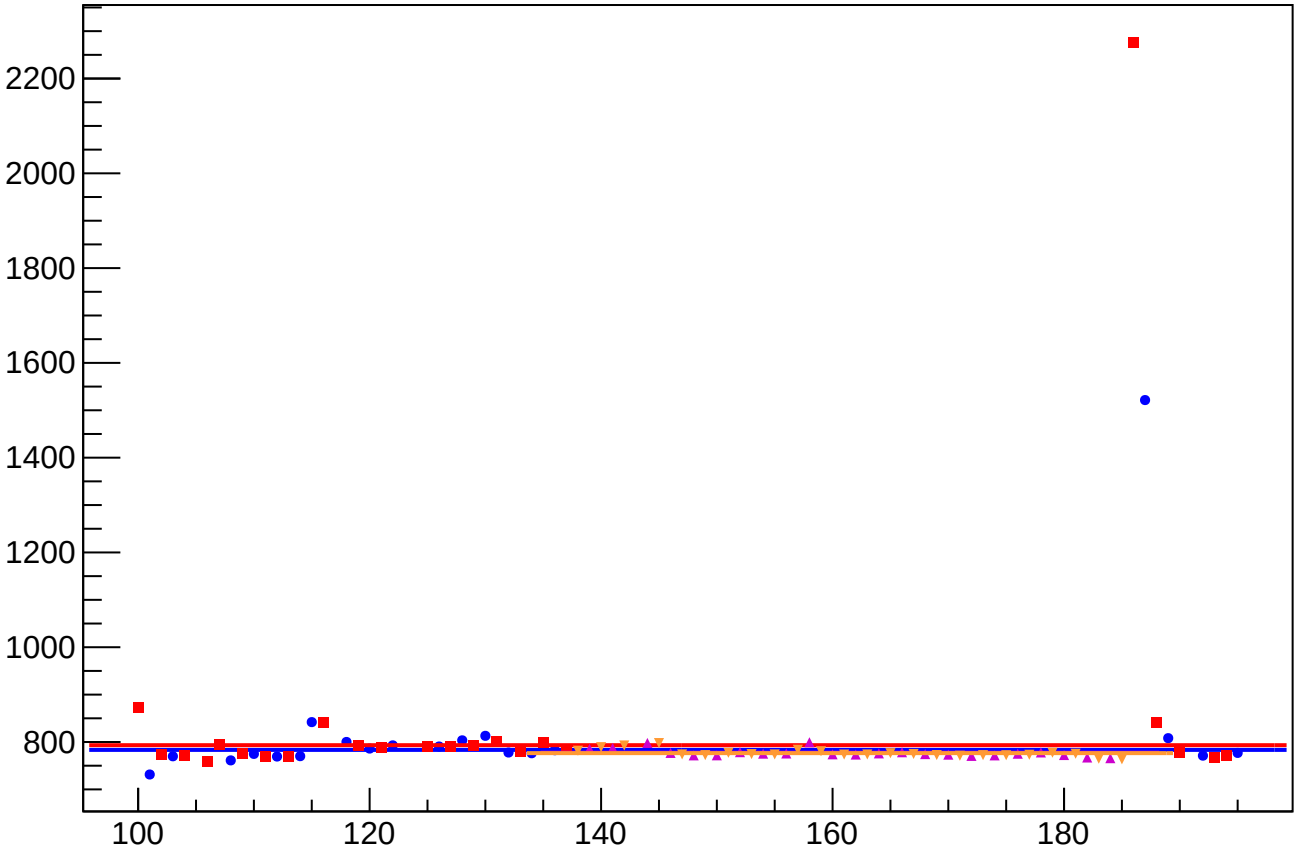
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -56.417+/-103.284 χ^2/NDF: 458.9/89

- sign -2077.370+/-145.687 χ^2/NDF: 47.9/45

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

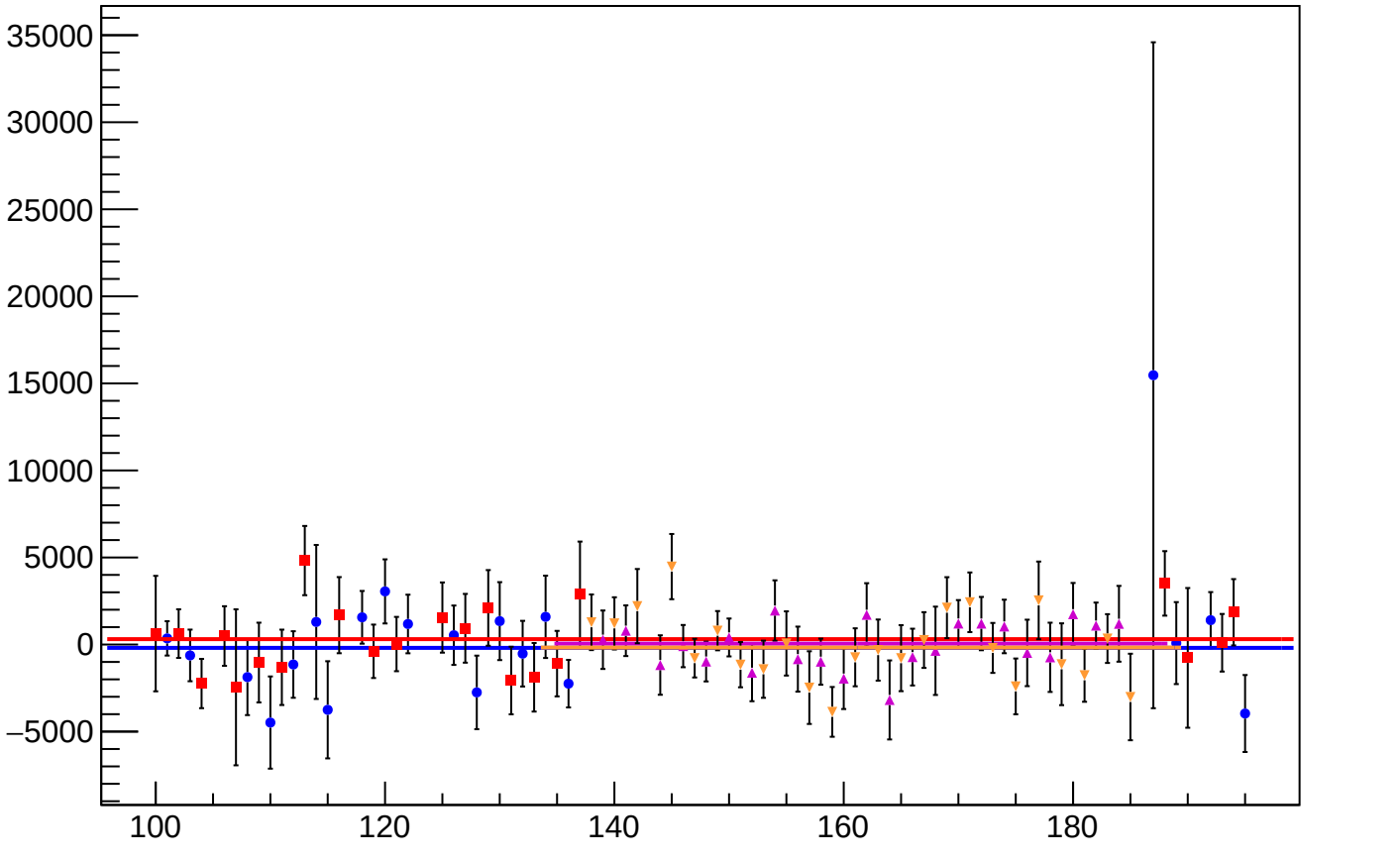
Right Out: 793.288+/-0.173 χ^2/NDF: 367784.9/22

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

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

All: 780.962+/-0.073 χ^2/NDF: 474926.6/89

- sign 783.062+/-0.103 χ^2/NDF: 377290.9/45



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: 310.013+/-414.494 χ^2/NDF: 19.3/21

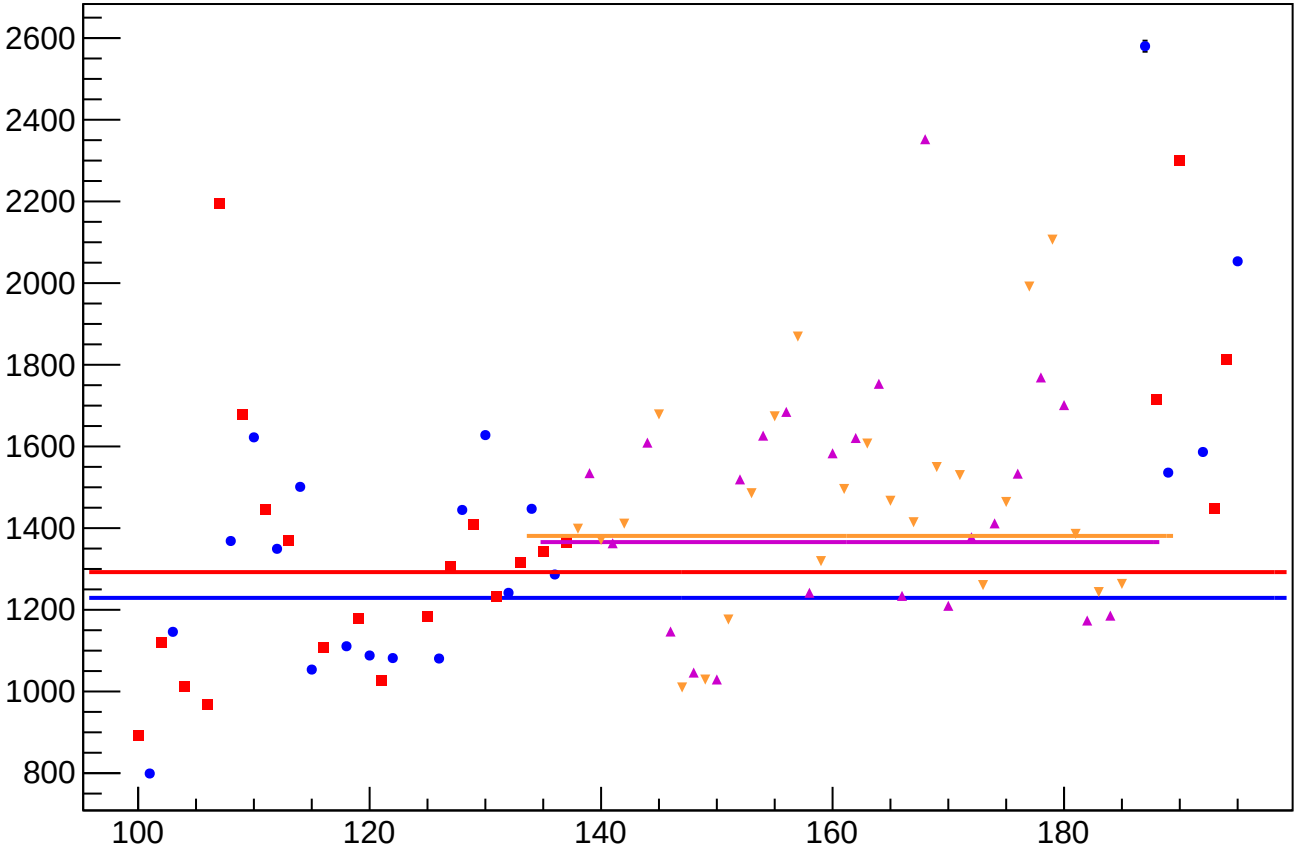
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

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

All: -14.995+/-181.287 χ^2/NDF: 83.2/88

\- sign 151.160+/-256.302 χ^2/NDF: 32.5/44

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

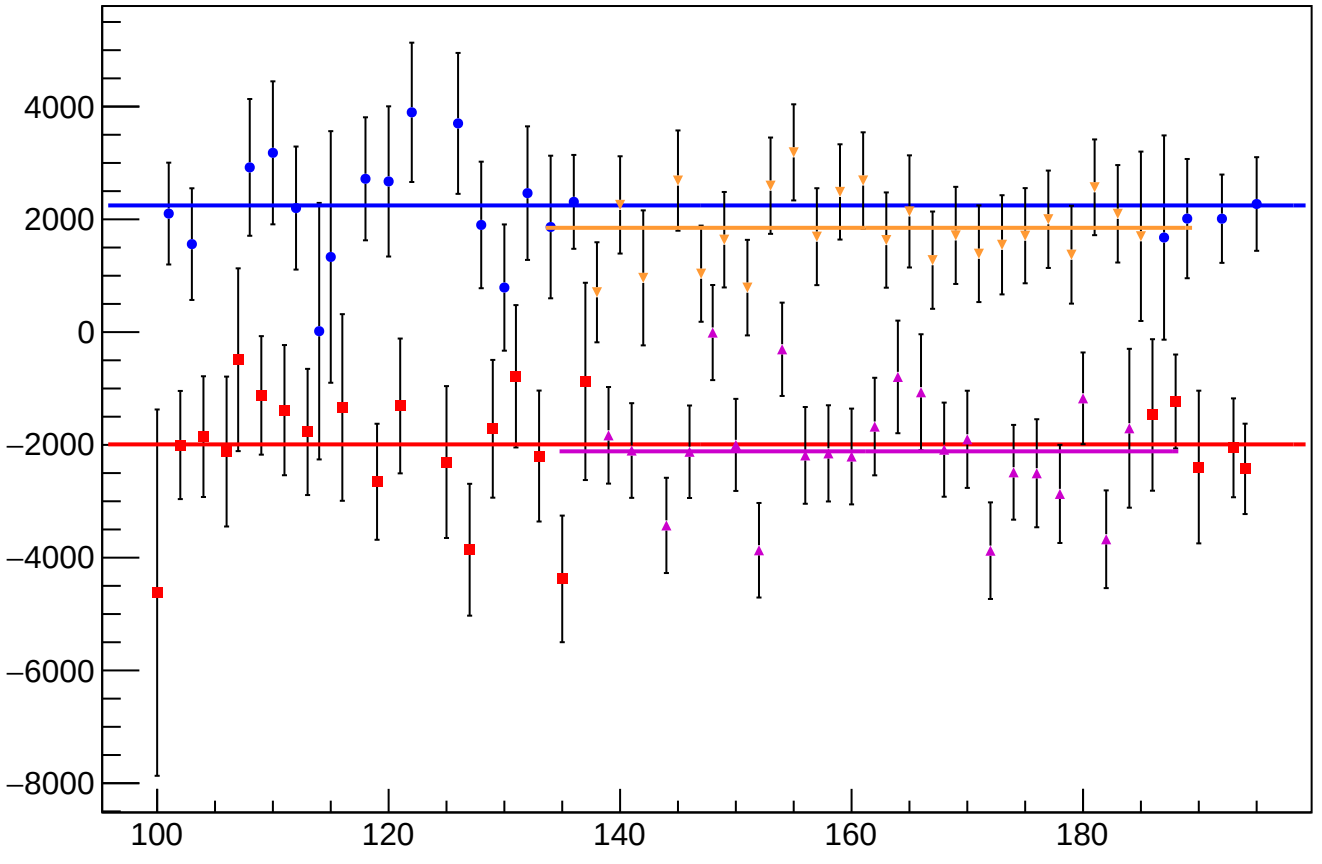
Right Out: 1292.327+/-0.293 χ^2/NDF: 857372.2/21

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

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

All: 1329.850+/-0.128 χ^2/NDF: 4571739.1/88

- sign 1337.714+/-0.181 χ^2/NDF: 2205060.2/44



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

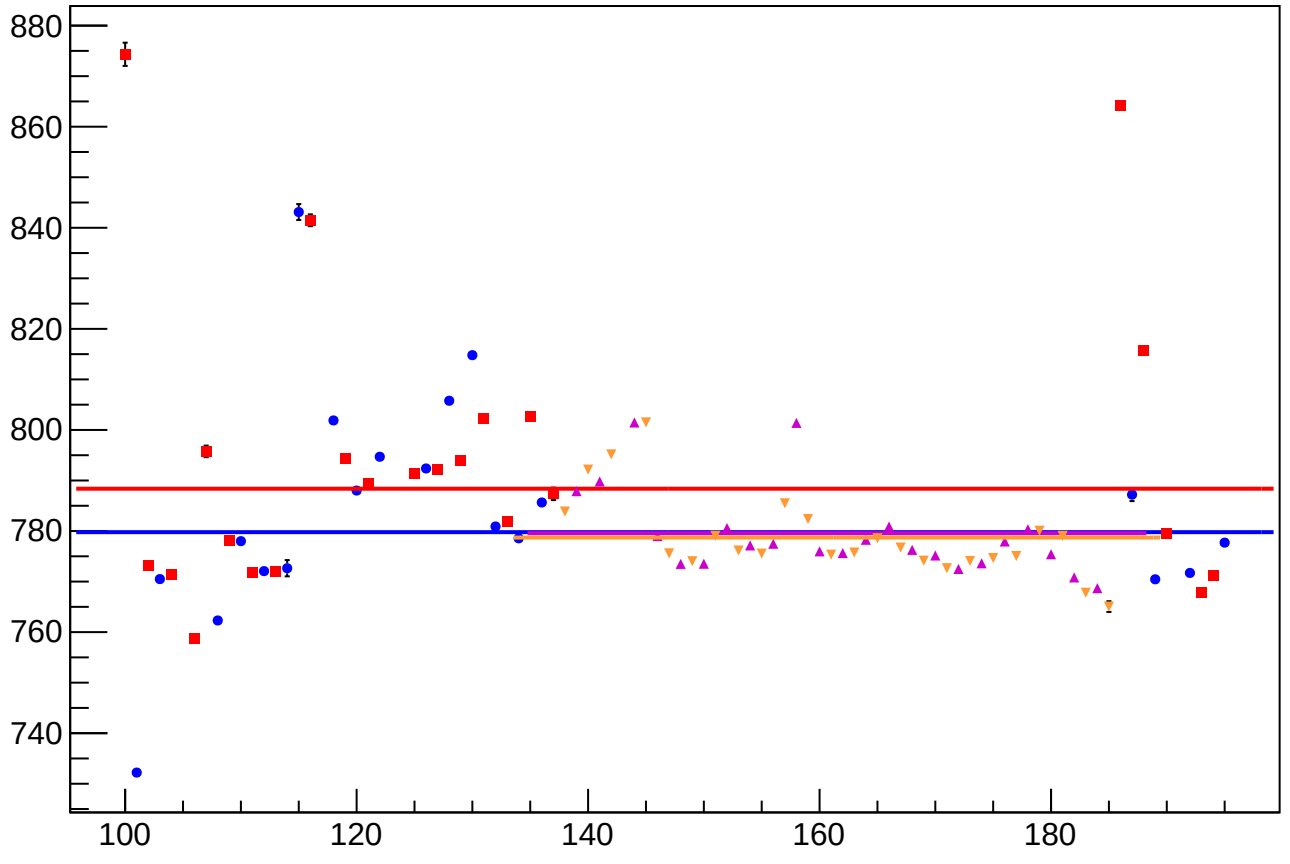
Right Out: -1991.112+/-240.387 χ^2/NDF: 13.3/22

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

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

All: -57.307+/-103.014 χ^2/NDF: 454.7/89

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45



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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

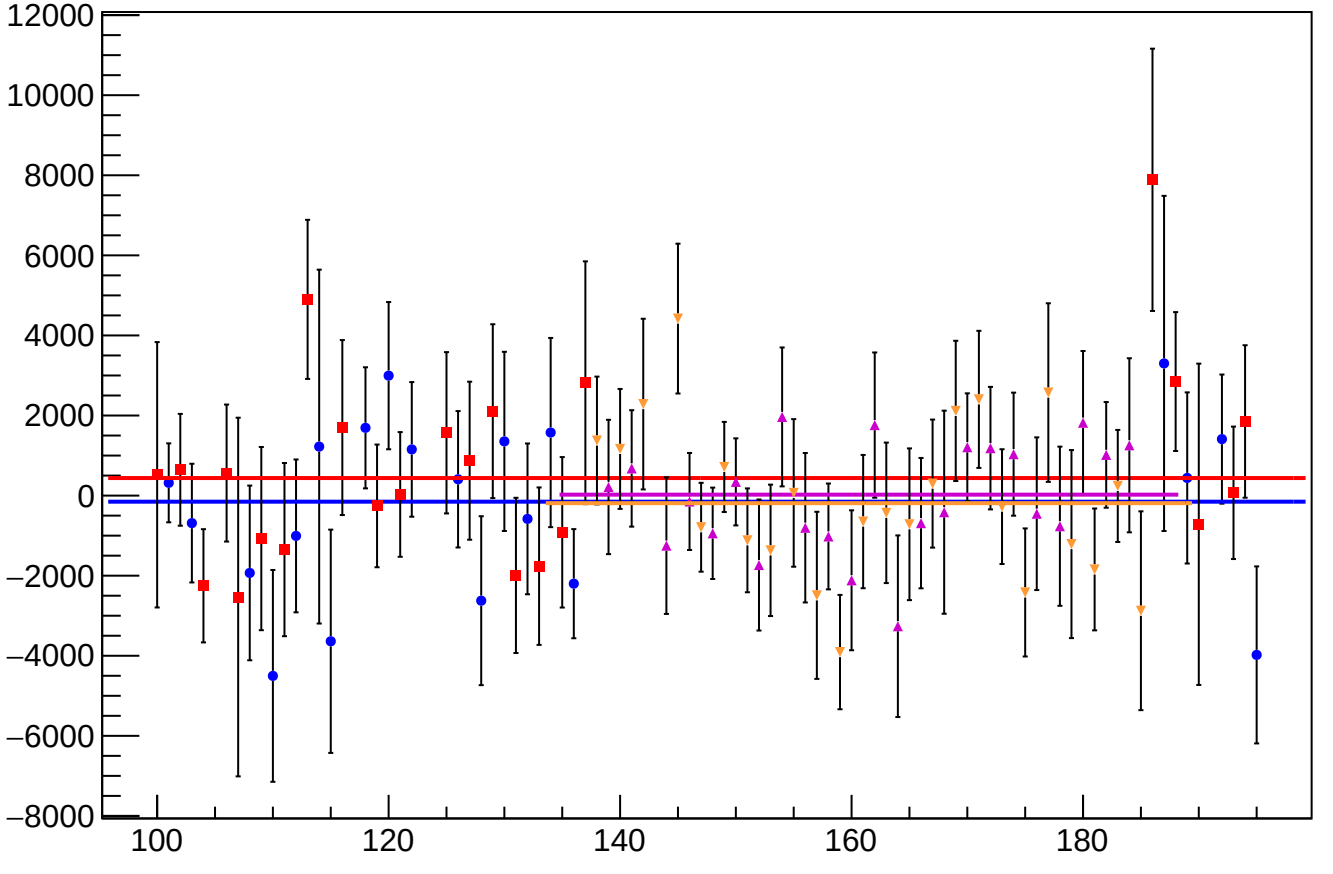
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89

- sign 782.782+/-0.103 χ^2/NDF: 23821.7/45

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Right Out: 438.453+/-409.493 χ^2/NDF: 23.6/22

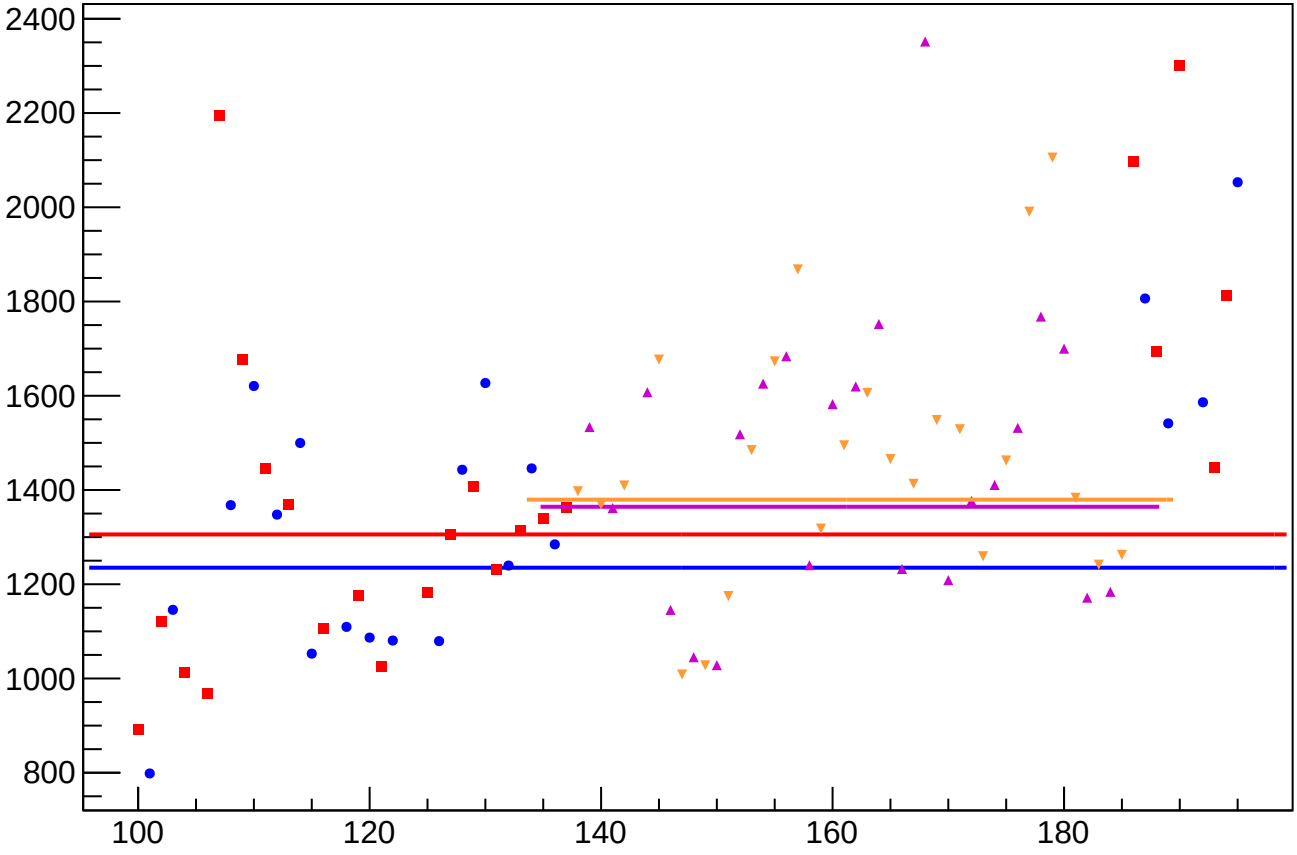
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 5.403+/-180.450 χ^2/NDF: 88.3/89

- sign 184.508+/-254.955 χ^2/NDF: 37.7/45

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

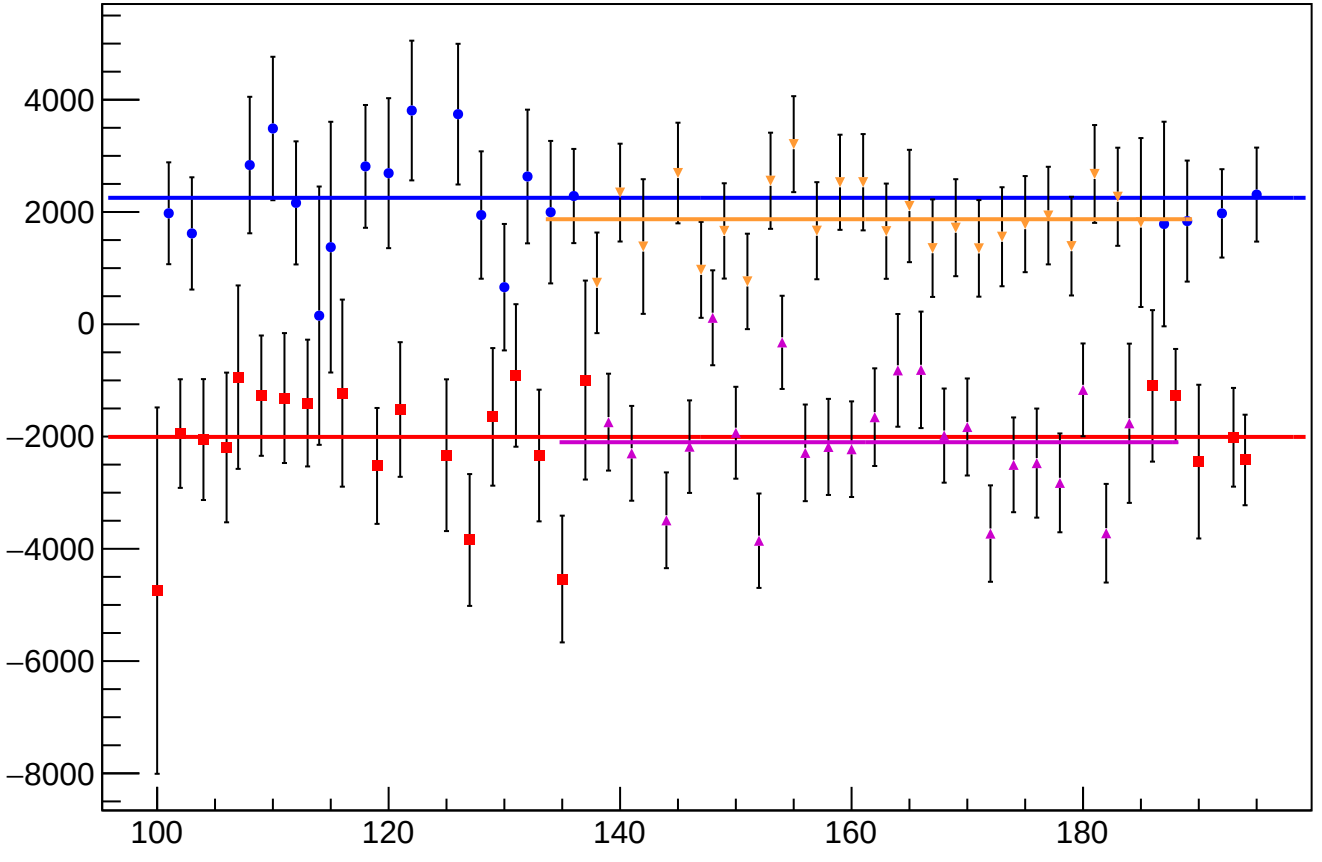
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1332.281+/-0.128 χ^2/NDF: 4714410.1/89

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45

dit_asym_us_avg_mean vs Slug



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: -2006.756+/-241.900 χ^2/NDF: 13.3/22

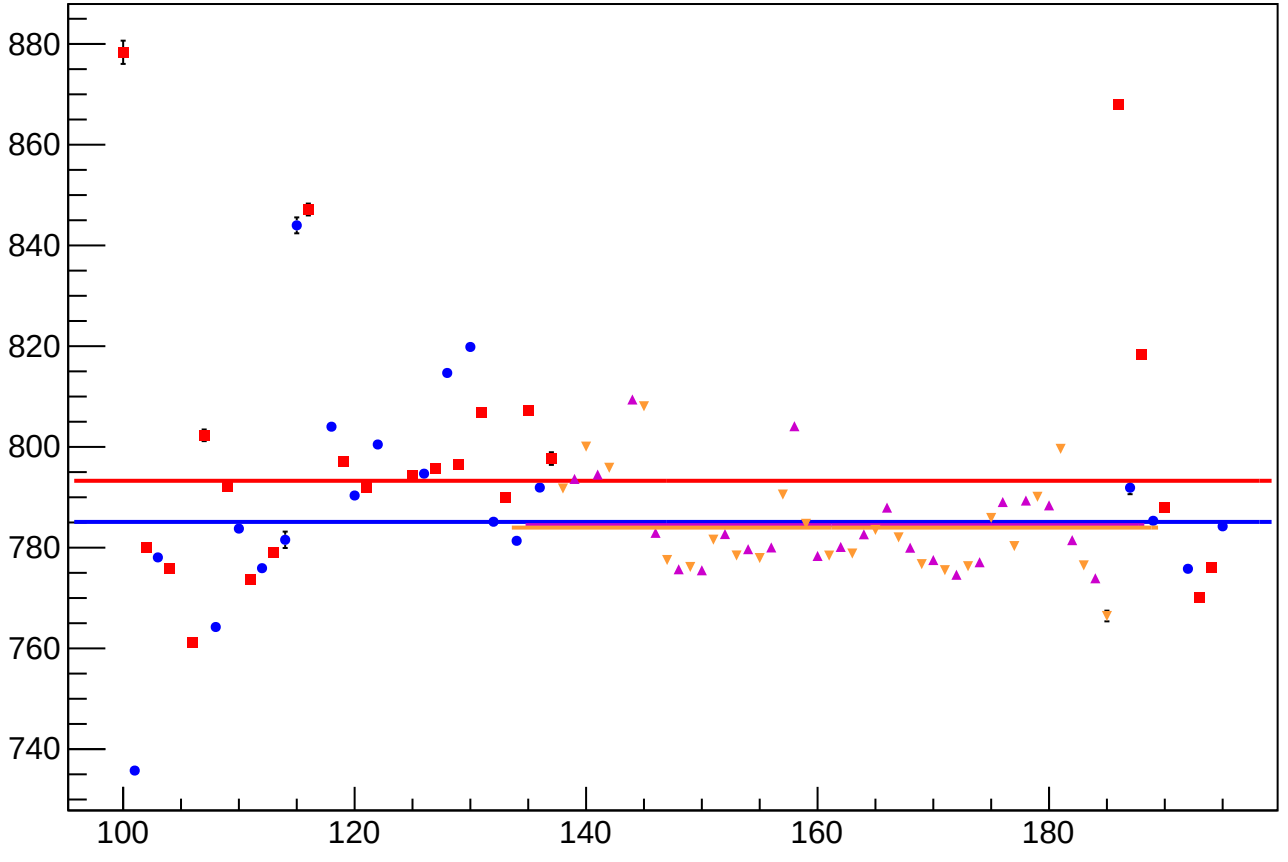
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -48.850+/-103.693 χ^2/NDF: 452.7/89

- sign -2066.683+/-146.034 χ^2/NDF: 45.1/45

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: 793.276+/-0.171 χ^2/NDF: 17340.4/22

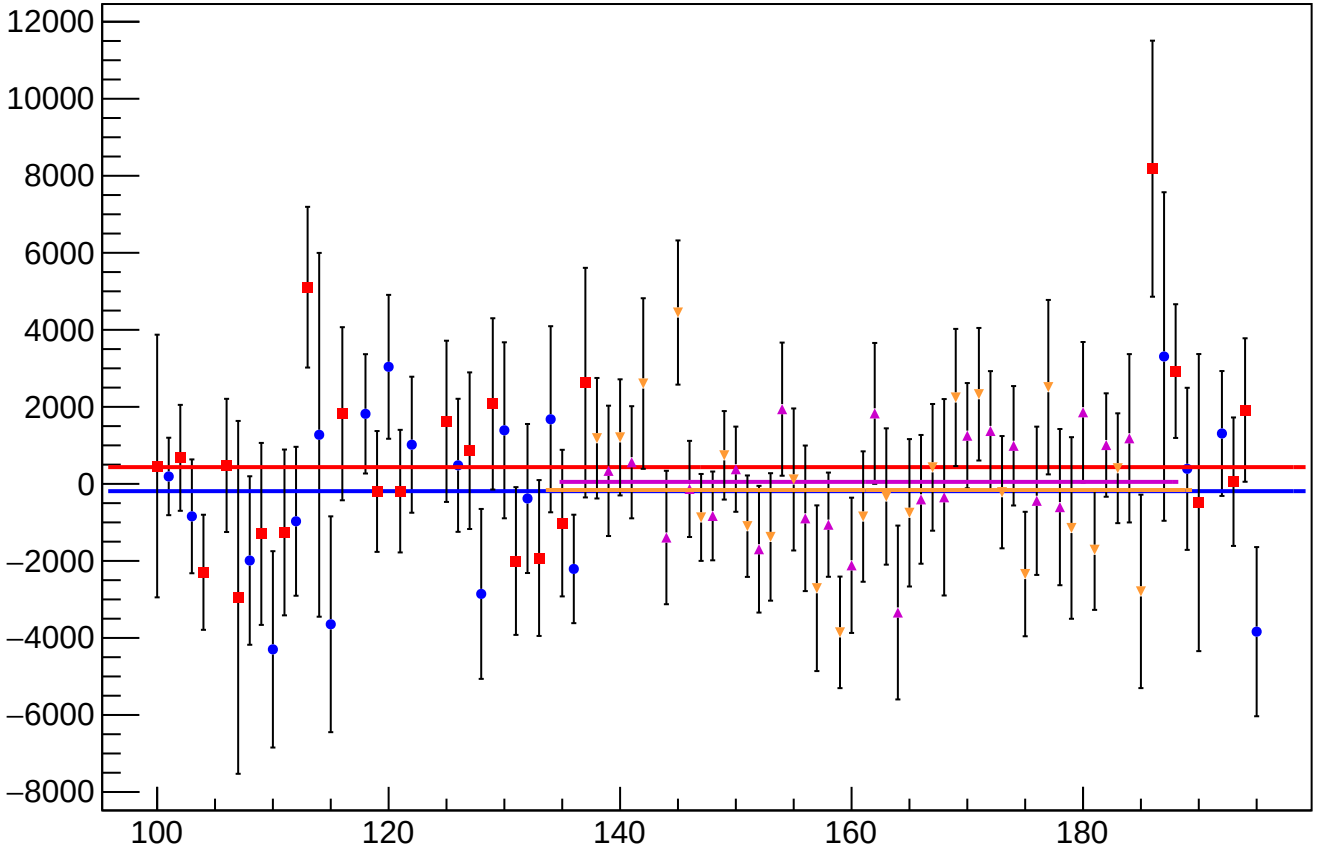
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.040+/-0.073 χ^2/NDF: 42329.8/89

- sign 787.681+/-0.103 χ^2/NDF: 23951.6/45

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: 435.242+/-415.861 χ^2/NDF: 24.0/22

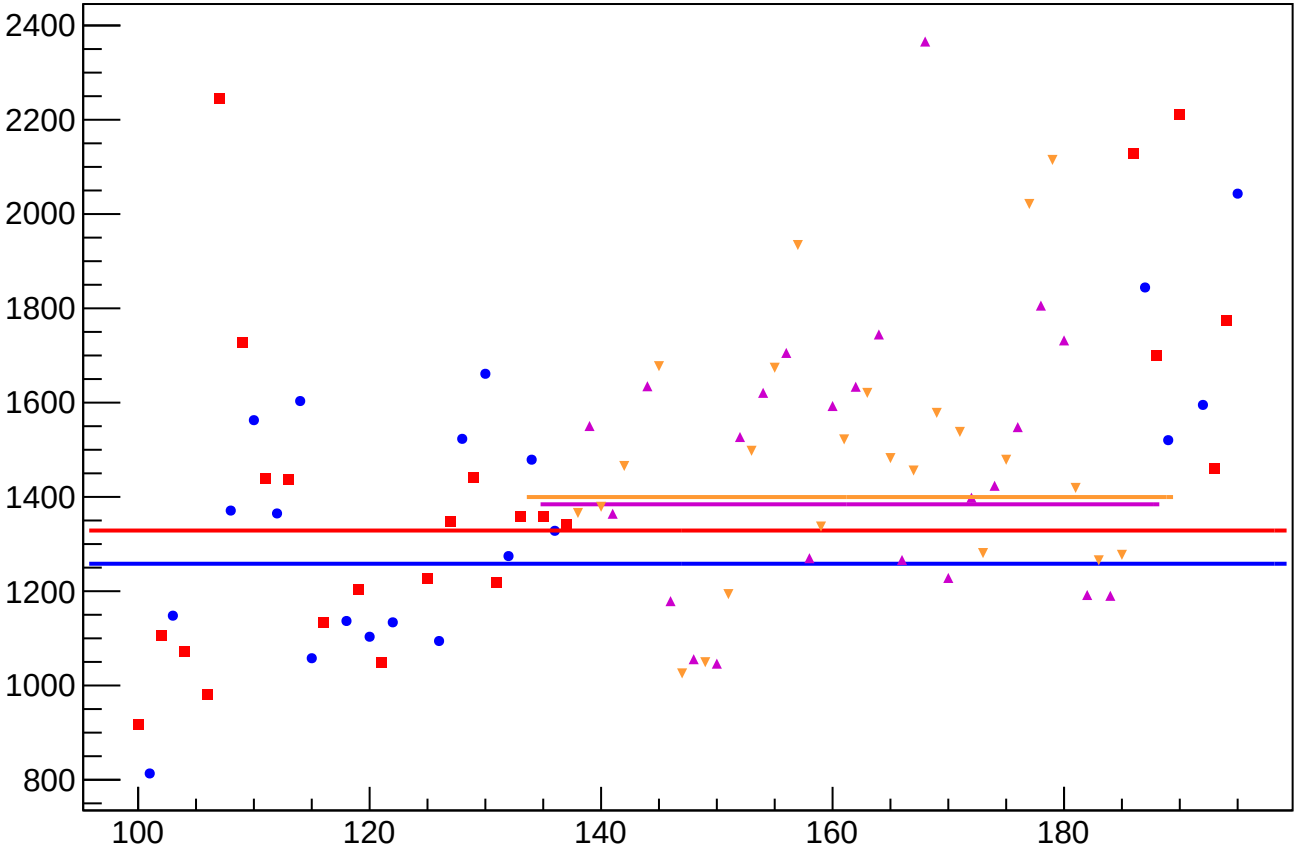
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: 15.167+/-183.086 χ^2/NDF: 87.8/89

- sign 200.179+/-258.599 χ^2/NDF: 38.0/45

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: 1328.697+/-0.294 χ^2/NDF: 914880.8/22

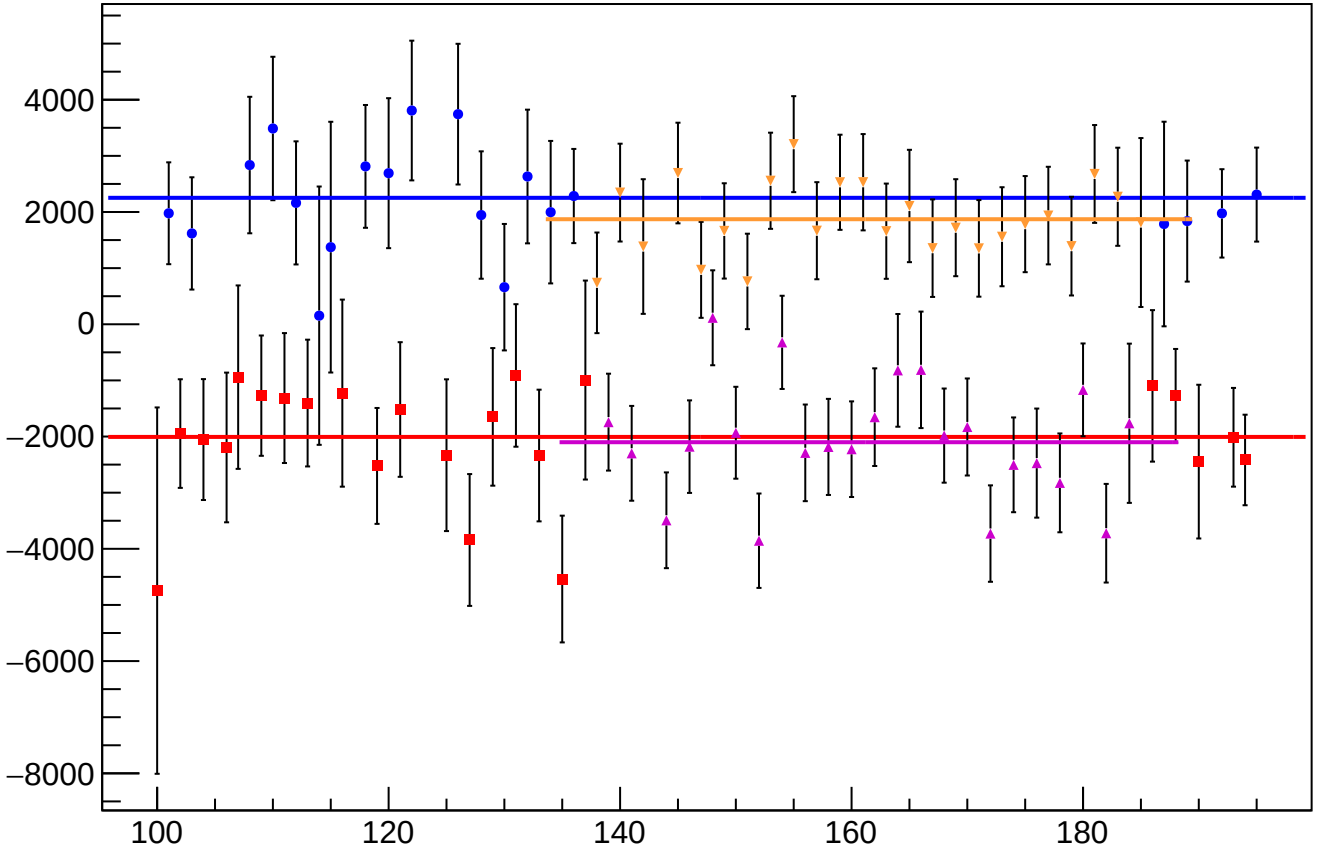
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

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

All: 1353.638+/-0.129 χ^2/NDF: 4530784.5/89

- sign 1362.820+/-0.183 χ^2/NDF: 2206772.4/45

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: -2006.755+/-241.900 χ^2/NDF: 13.3/22

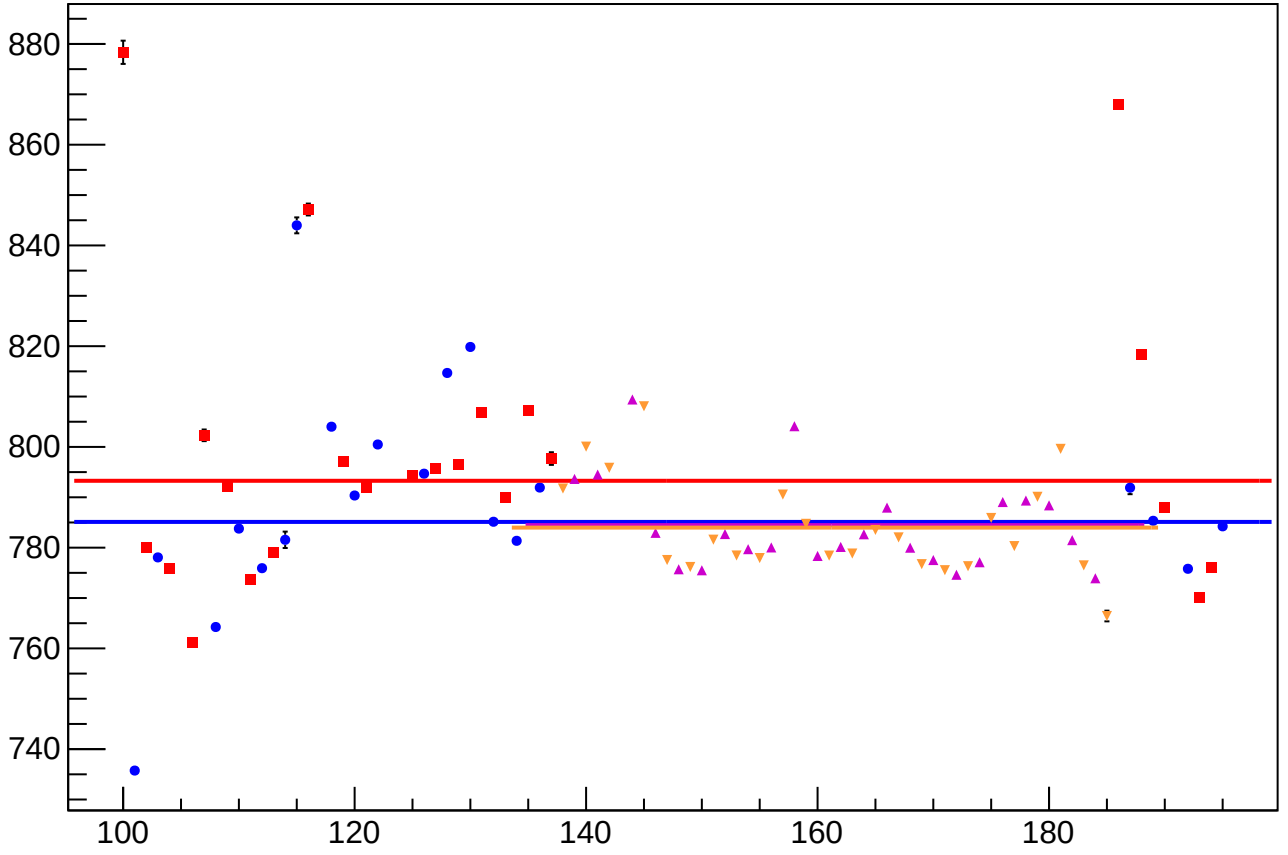
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -48.851+/-103.693 χ^2/NDF: 452.7/89

- sign -2066.683+/-146.034 χ^2/NDF: 45.1/45

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

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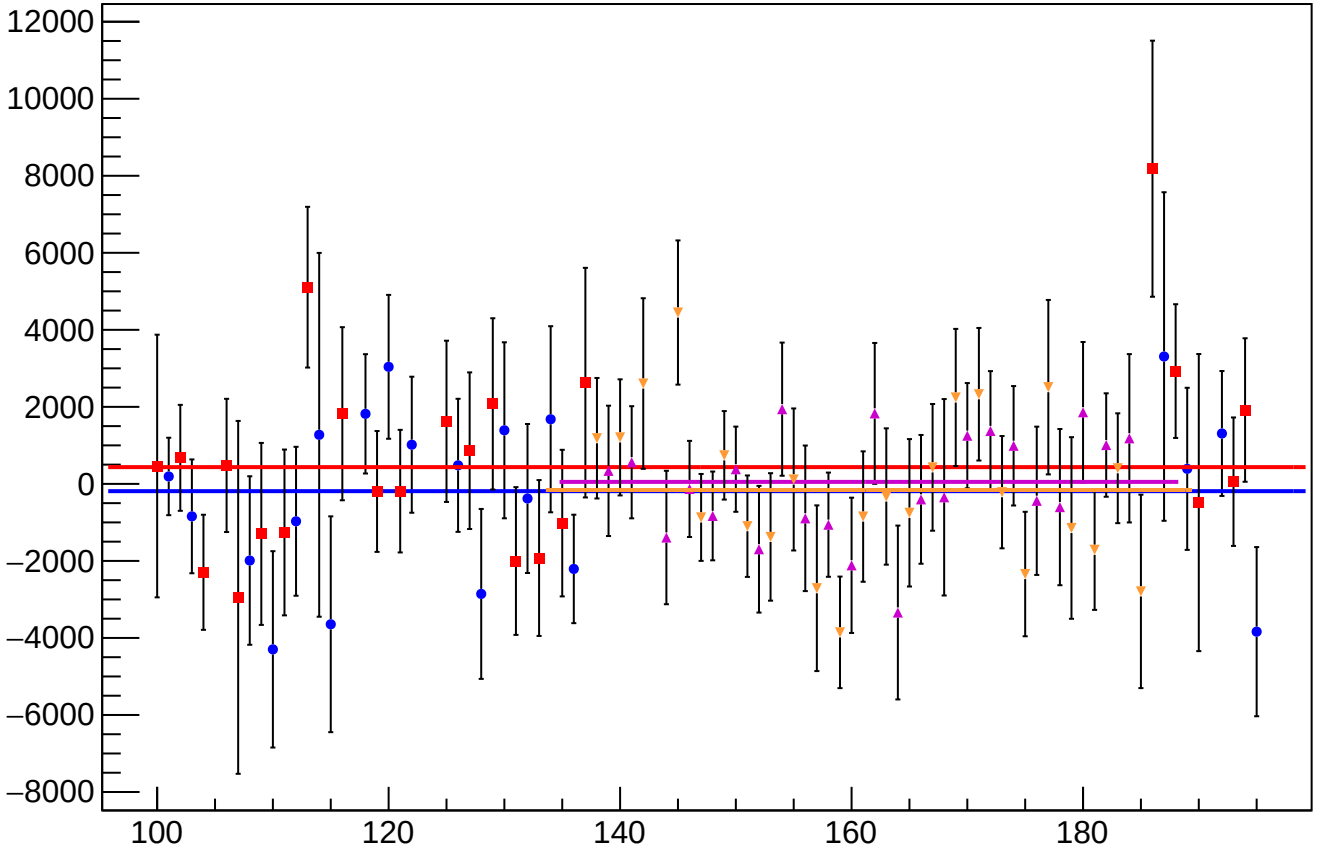
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.040+/-0.073 χ^2/NDF: 42329.7/89

- sign 787.681+/-0.103 χ^2/NDF: 23951.5/45

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: 435.239+/-415.860 χ^2/NDF: 24.0/22

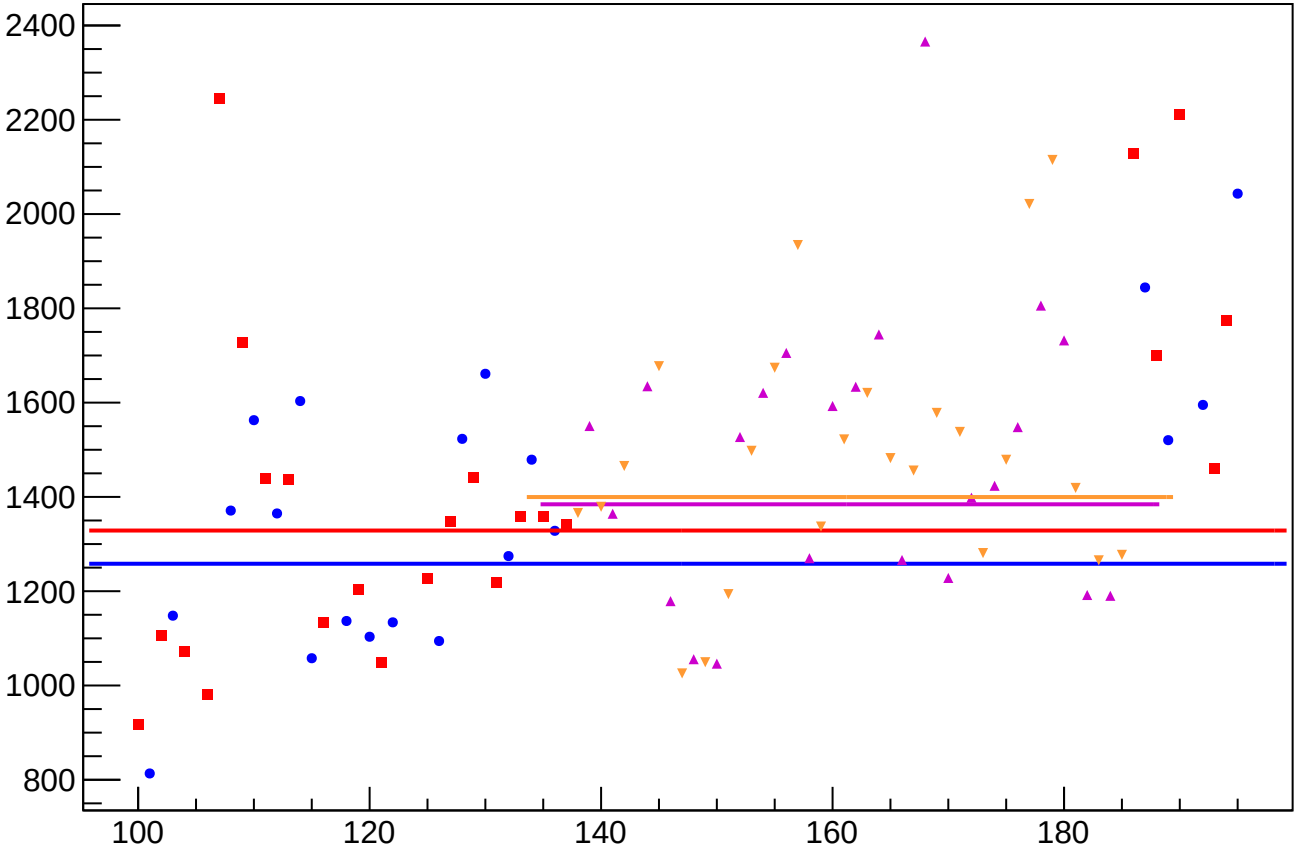
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: 15.166+/-183.086 χ^2/NDF: 87.8/89

- sign 200.178+/-258.599 χ^2/NDF: 38.0/45

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: 1328.694+/-0.294 χ^2/NDF: 914885.6/22

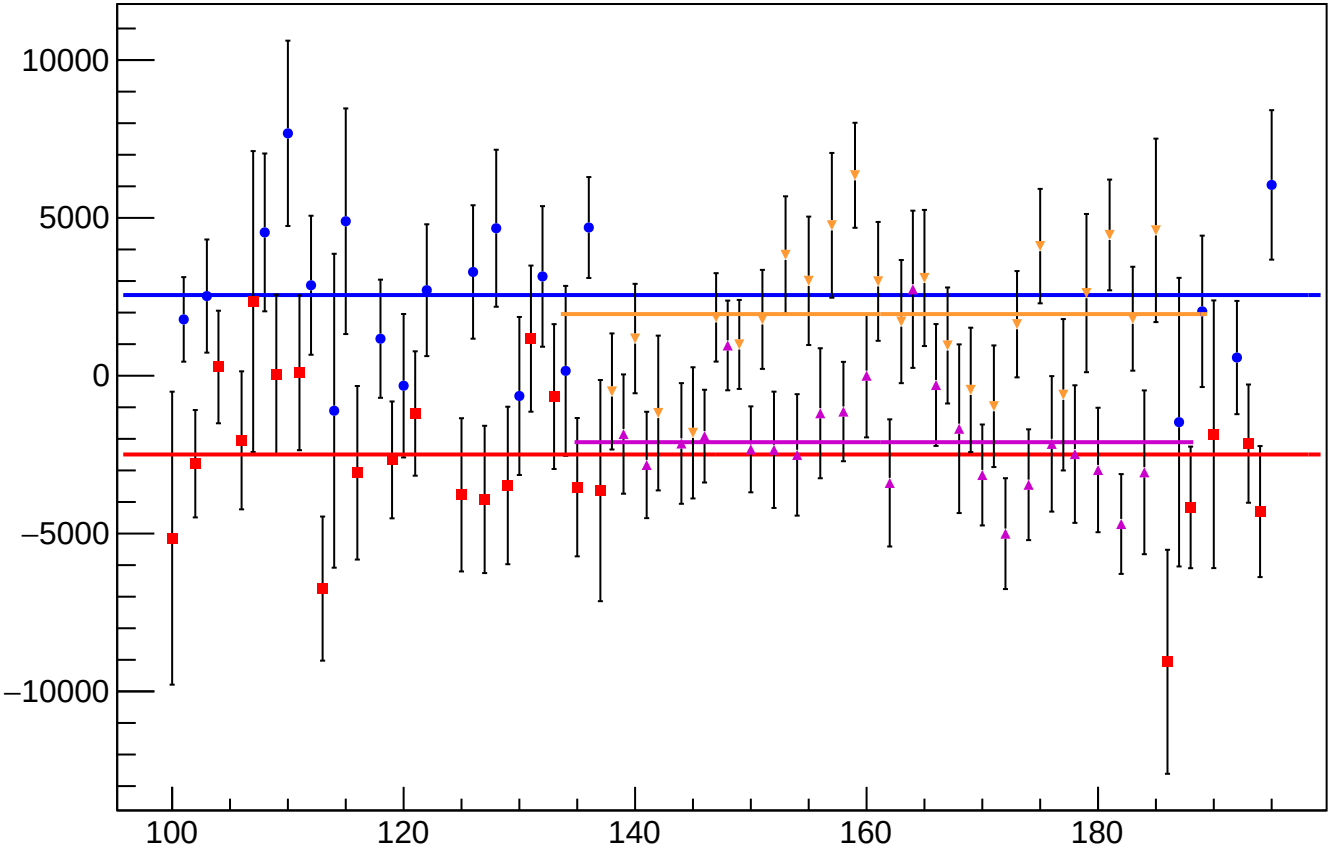
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

All: 1353.638+/-0.129 χ^2/NDF: 4530810.1/89

- sign 1362.820+/-0.183 χ^2/NDF: 2206782.3/45

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: -2494.819+/-484.607 χ^2/NDF: 19.2/22

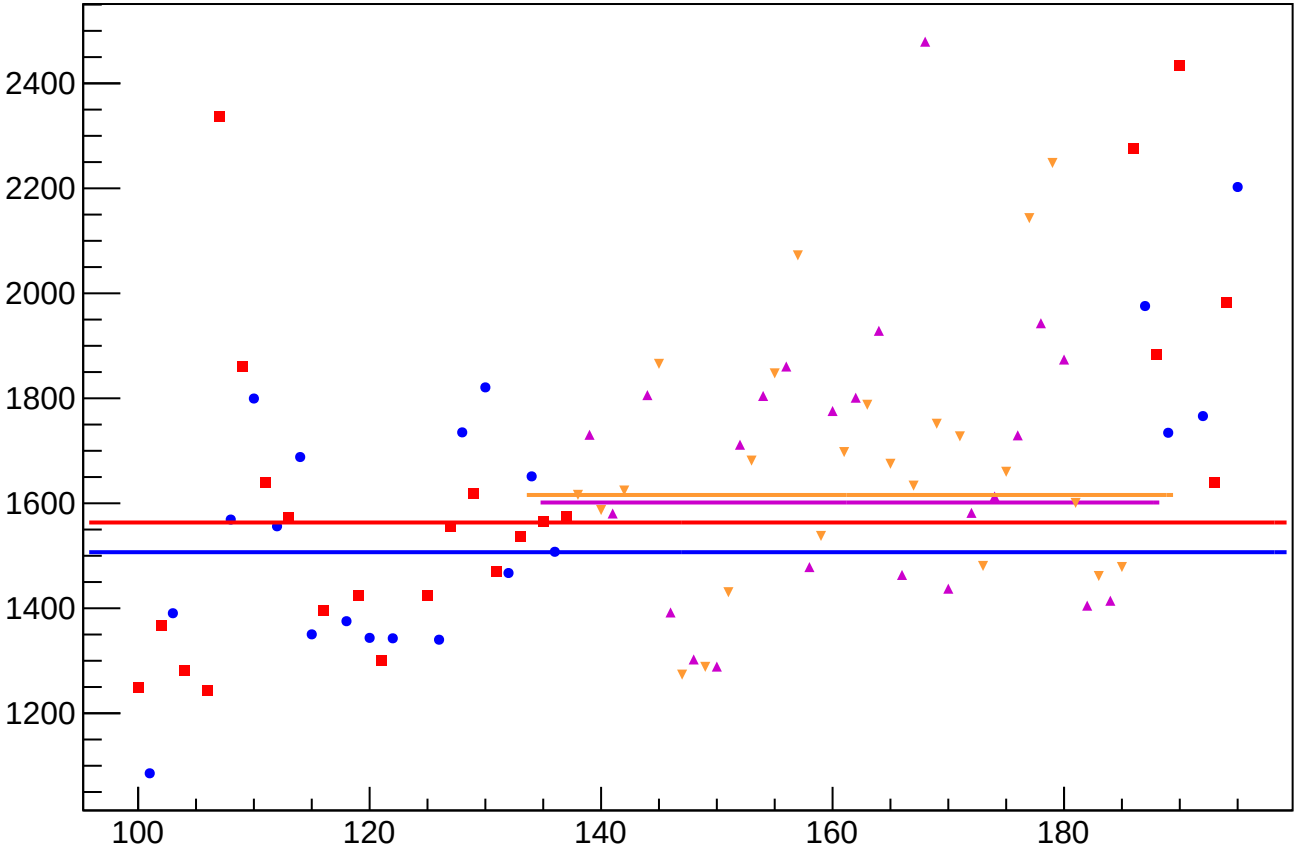
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: -50.666+/-211.768 χ^2/NDF: 192.5/89

- sign -2253.224+/-298.566 χ^2/NDF: 38.2/45

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: 1563.423+/-0.343 χ^2/NDF: 579921.5/22

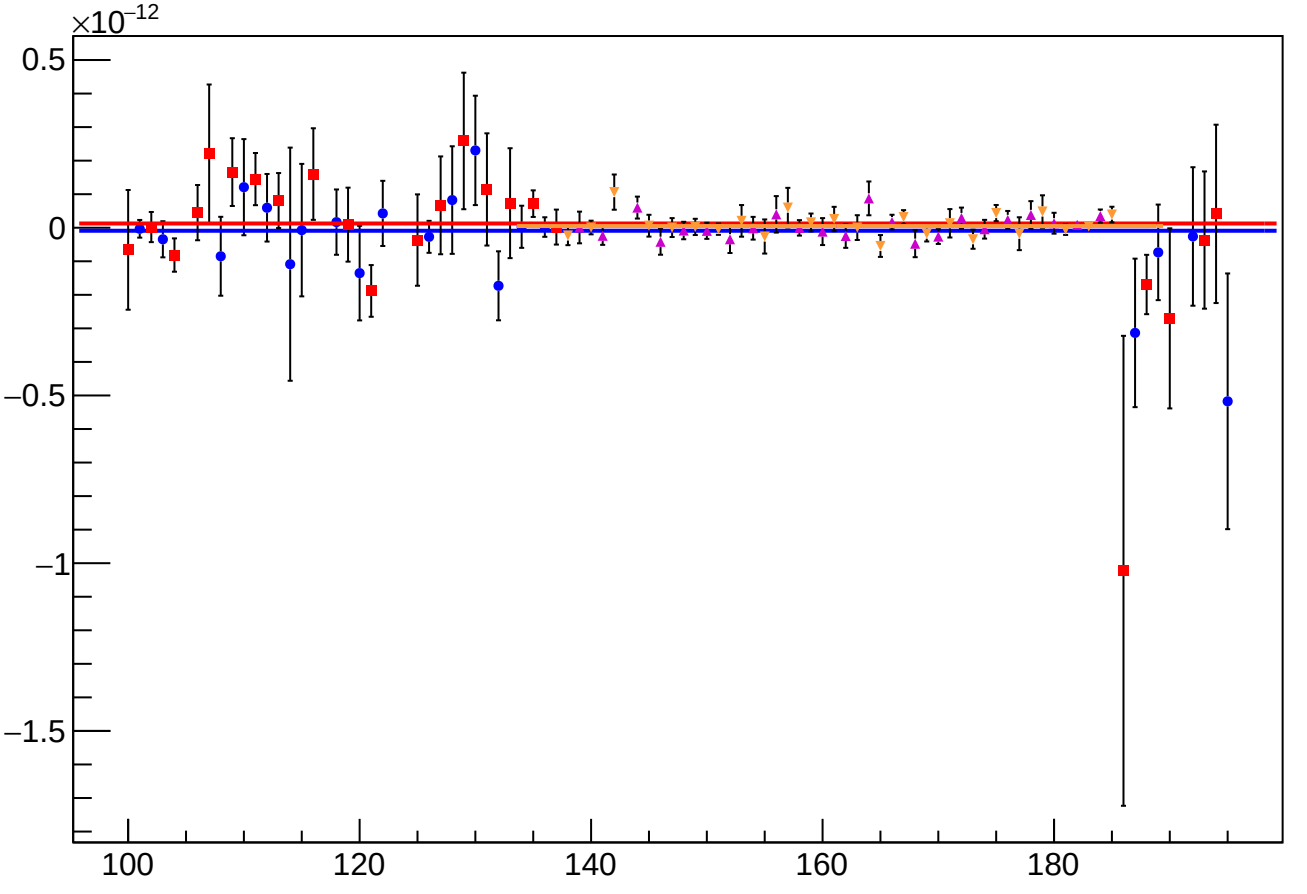
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

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

All: 1580.998+/-0.150 χ^2/NDF: 2727123.5/89

- sign 1587.044+/-0.211 χ^2/NDF: 1381303.2/45

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

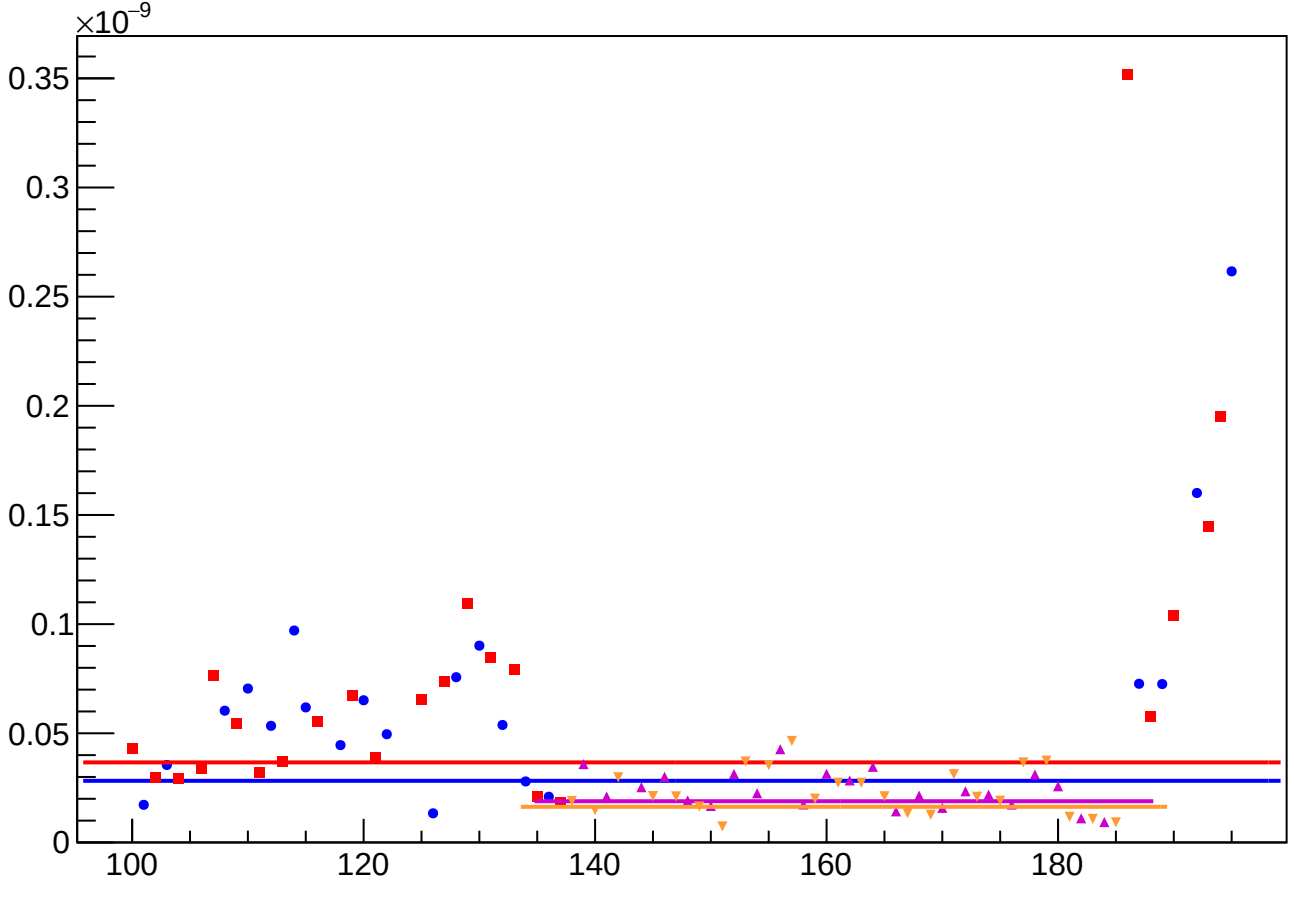
Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/22

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: 84.8/89

- sign 0.000+/-0.000 χ^2/NDF: 50.5/45



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: 3680172.6/22

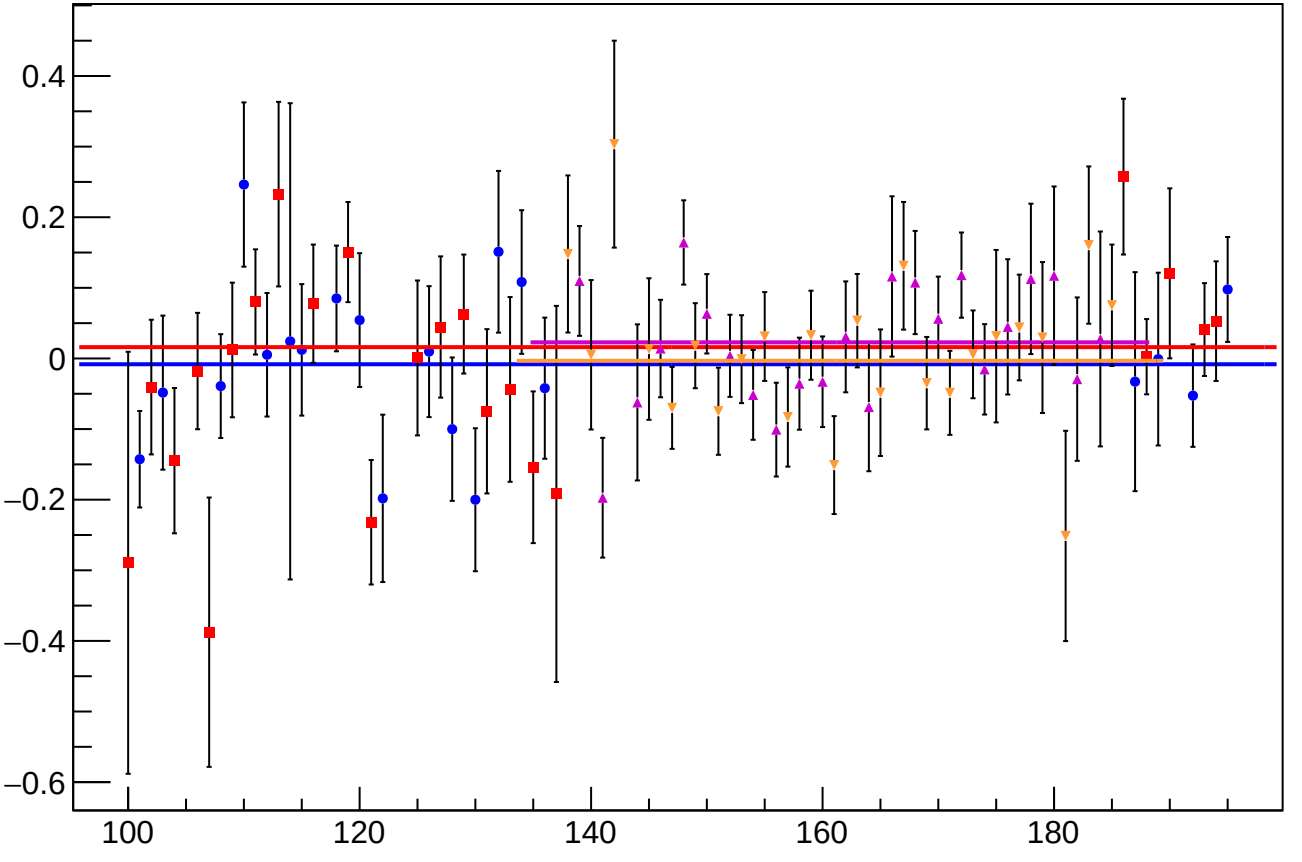
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

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

All: 0.000+/-0.000 χ^2/NDF: 18471673.7/89

- sign 0.000+/-0.000 χ^2/NDF: 8767177.0/45

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: 0.016+/-0.019 χ^2/NDF: 34.3/22

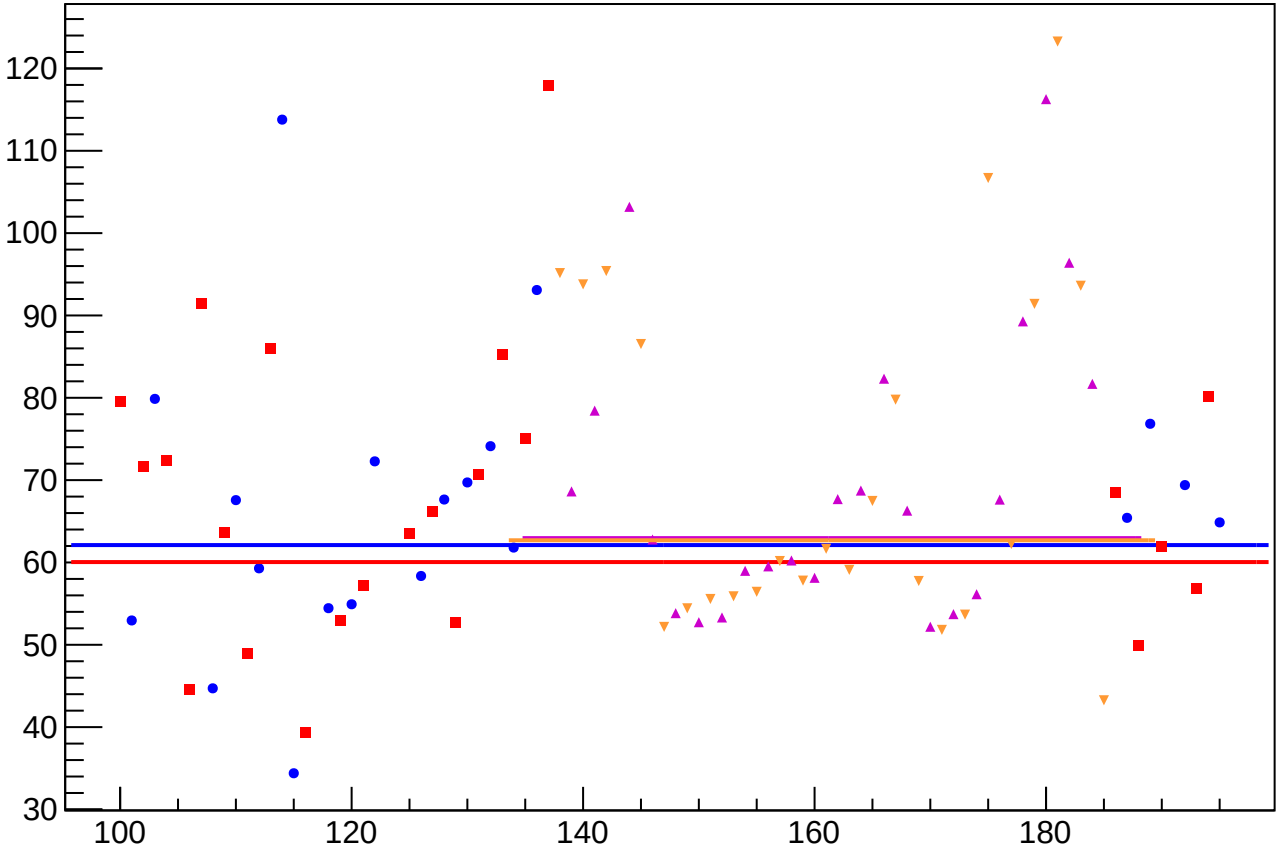
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.008+/-0.009 χ^2/NDF: 115.2/89

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45

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: 60.047+/-0.014 χ^2/NDF: 913526.9/22

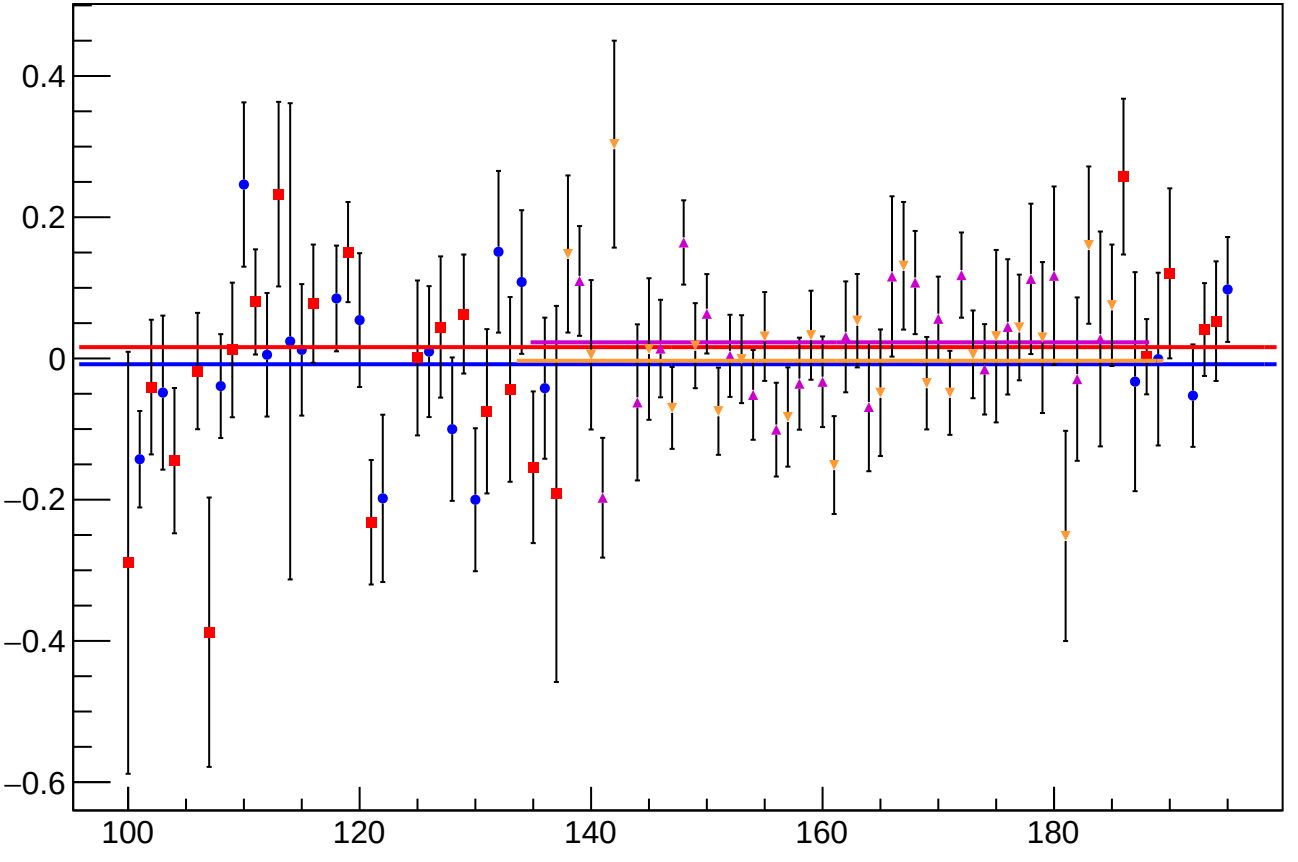
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 62.149+/-0.006 χ^2/NDF: 5080890.9/89

- sign 61.827+/-0.009 χ^2/NDF: 2371290.0/45

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: 0.016+/-0.019 χ^2/NDF: 34.3/22

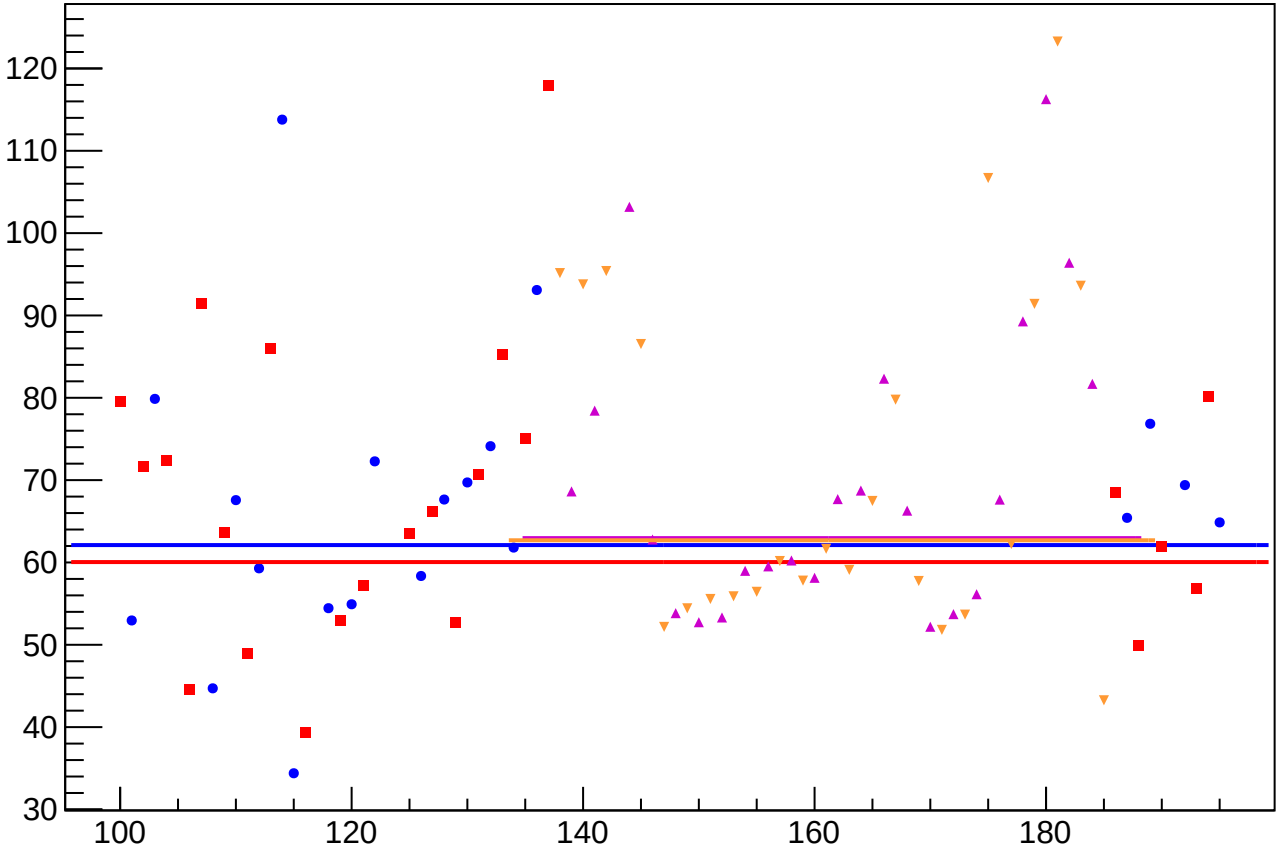
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.008+/-0.009 χ^2/NDF: 115.2/89

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45

asym_us_avg_dit_vs_eigen_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: 60.047+/-0.014 χ^2/NDF: 913526.9/22

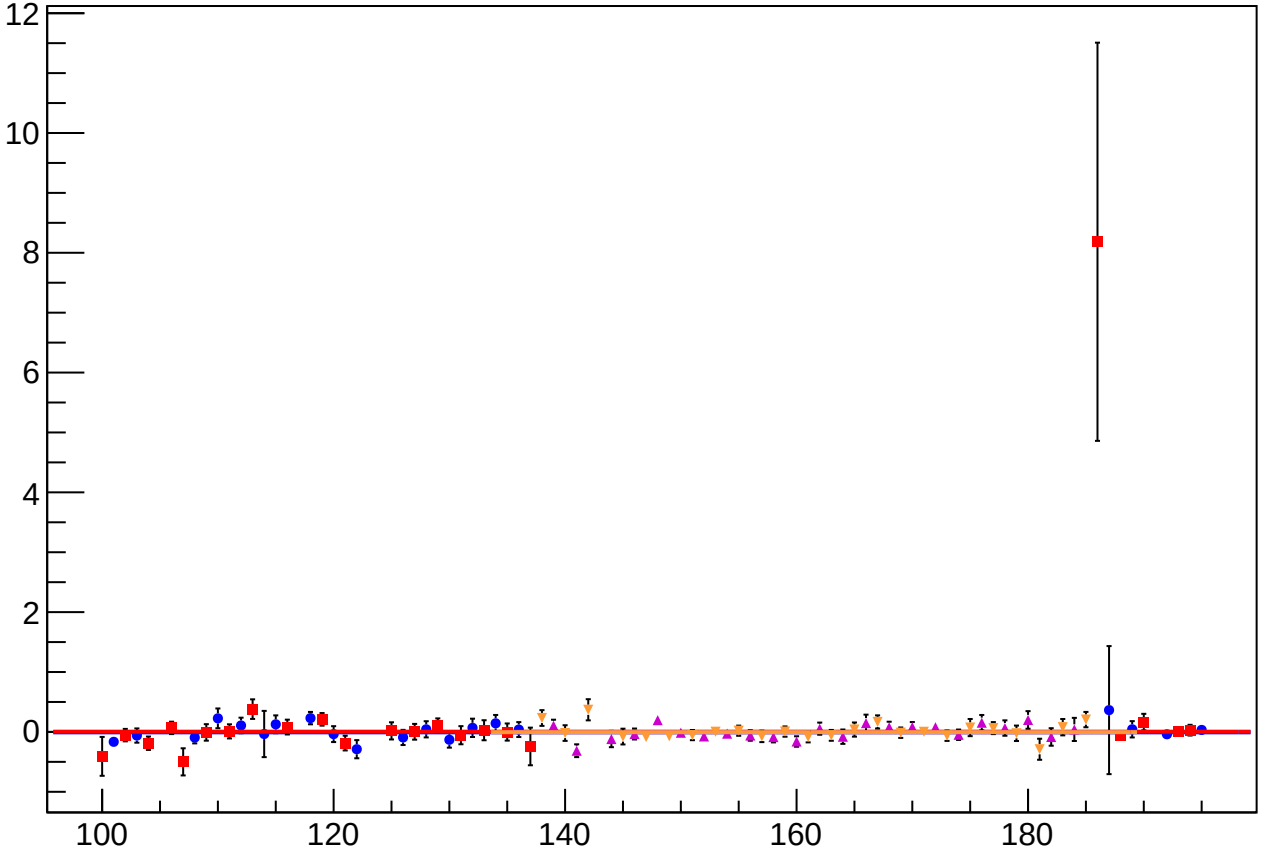
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 62.149+/-0.006 χ^2/NDF: 5080890.9/89

- sign 61.827+/-0.009 χ^2/NDF: 2371290.0/45

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: 0.004+/-0.025 χ^2/NDF: 32.1/22

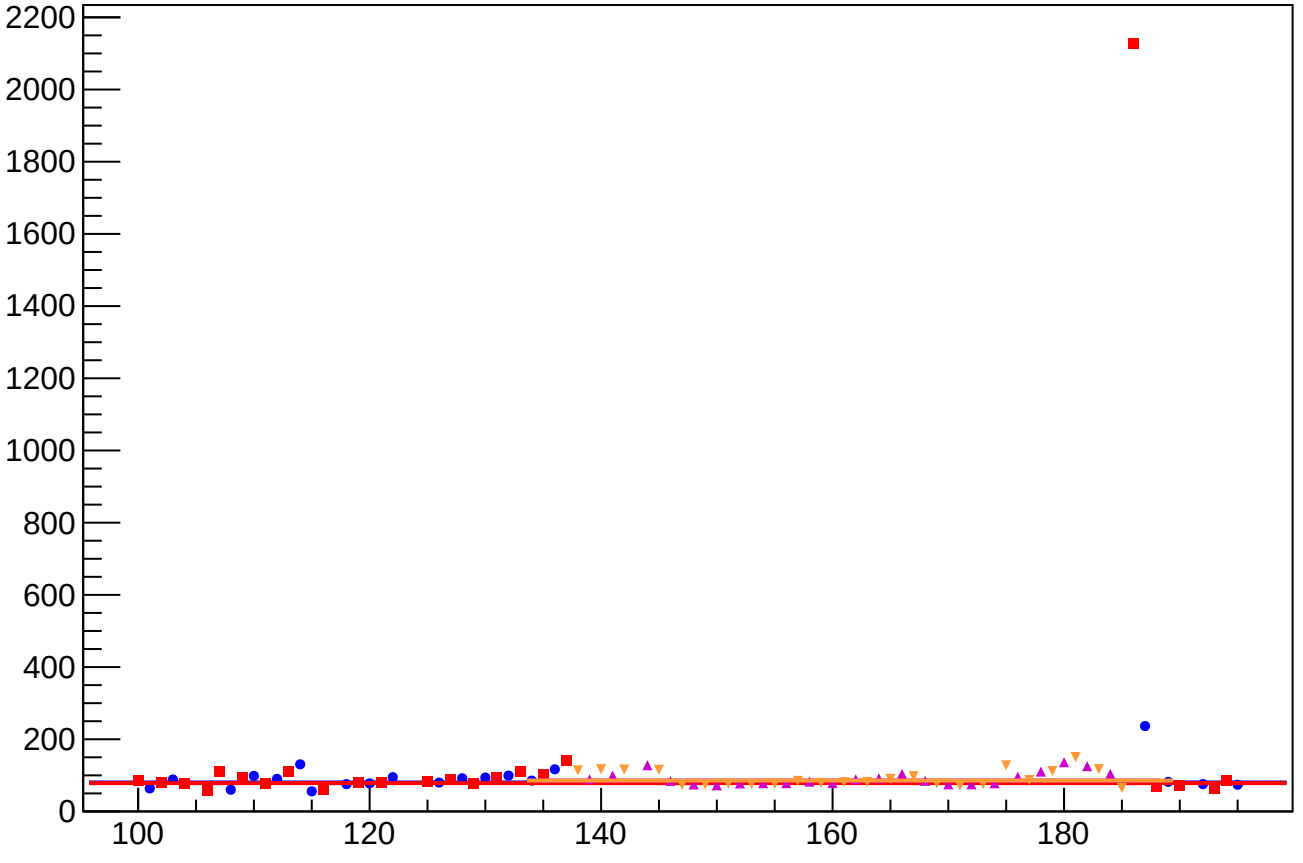
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.002+/-0.011 χ^2/NDF: 104.9/89

- sign 0.000+/-0.016 χ^2/NDF: 62.6/45

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

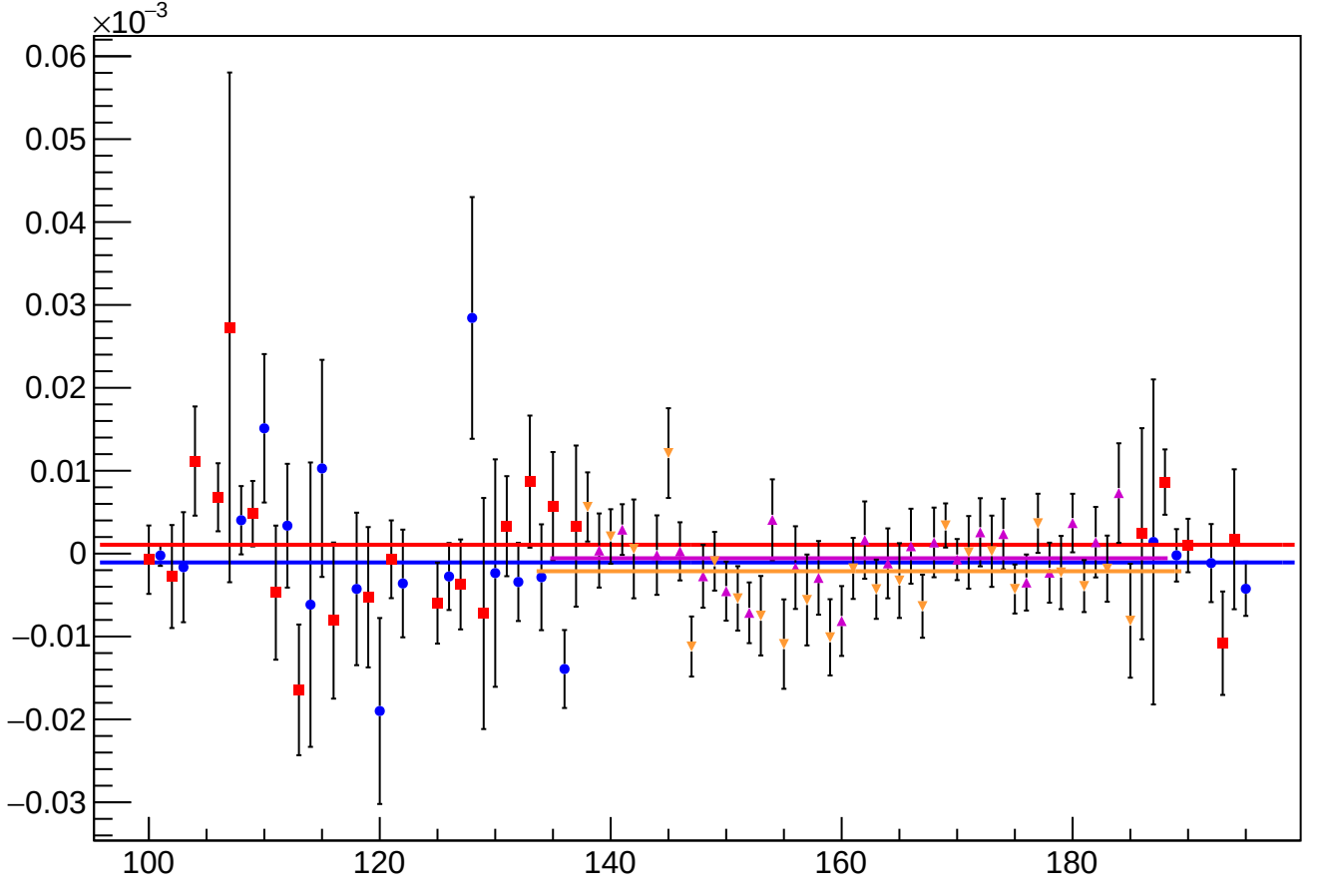
Right Out: 78.567+/-0.018 χ^2/NDF: 1410815.9/22

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

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

All: 83.256+/-0.008 χ^2/NDF: 4531978.1/89

- sign 82.857+/-0.011 χ^2/NDF: 2500534.0/45



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: 25.7/22

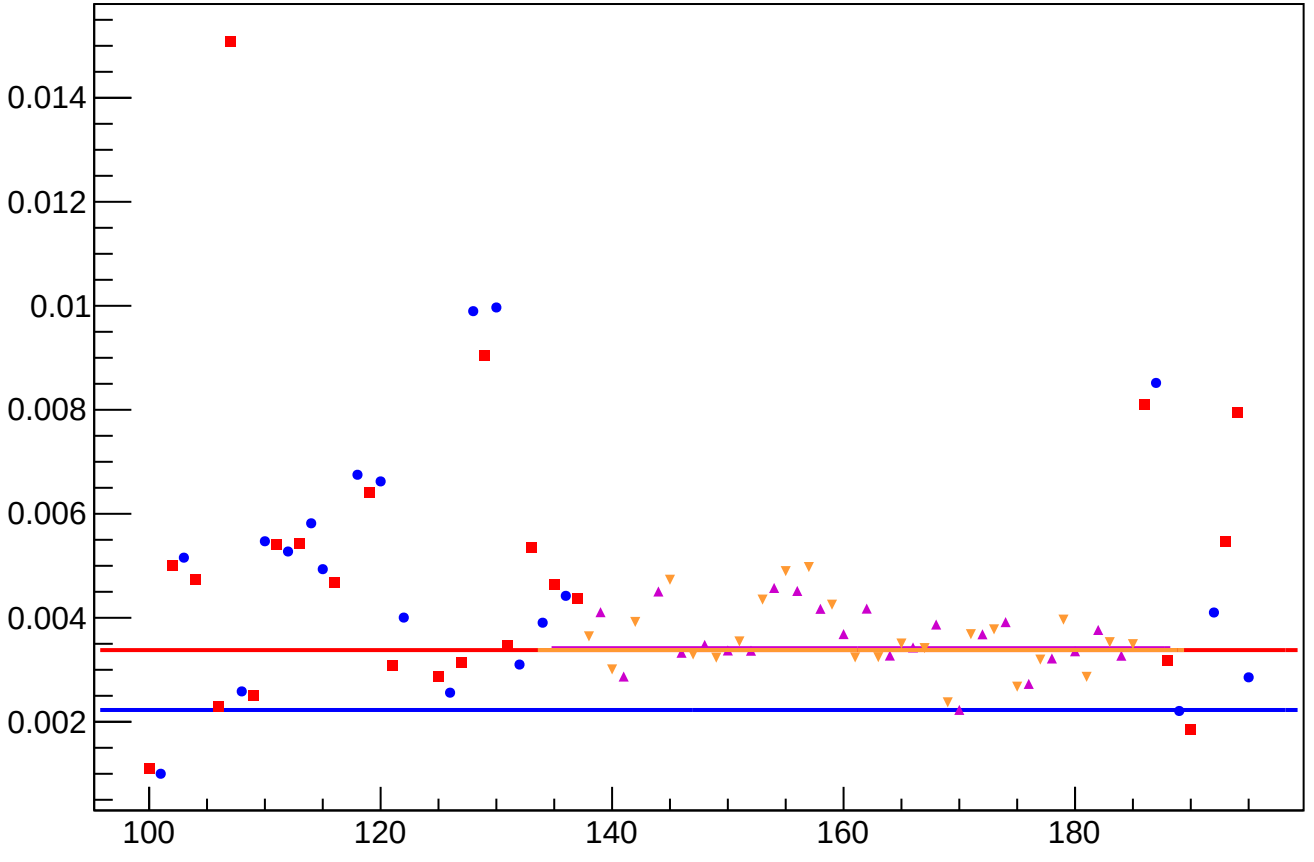
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 107.4/89

- sign -0.000+/-0.000 χ^2/NDF: 43.6/45

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: 4025954.4/22

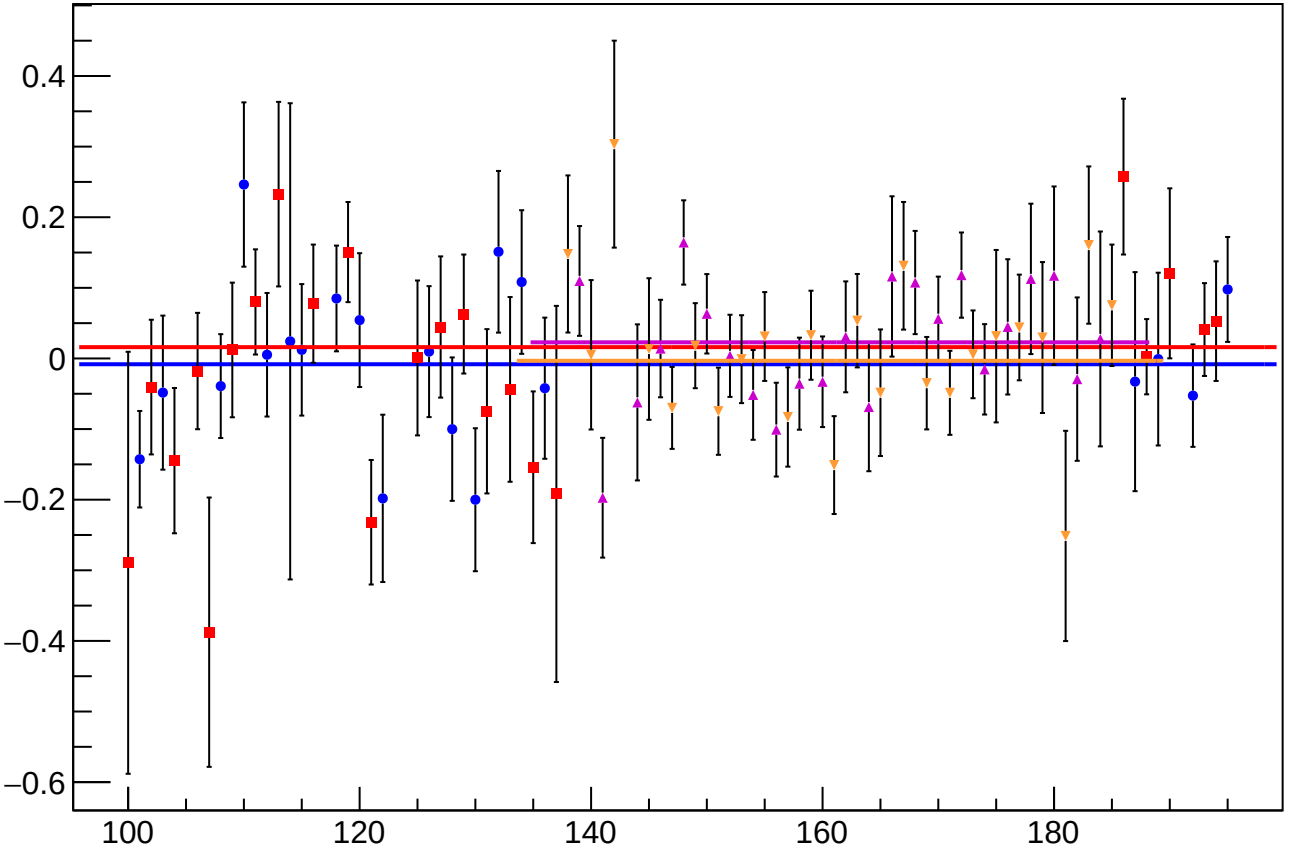
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

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

All: 0.003+/-0.000 χ^2/NDF: 15369547.6/89

\- sign 0.003+/-0.000 χ^2/NDF: 5197618.7/45

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: 0.016+/-0.019 χ^2/NDF: 34.3/22

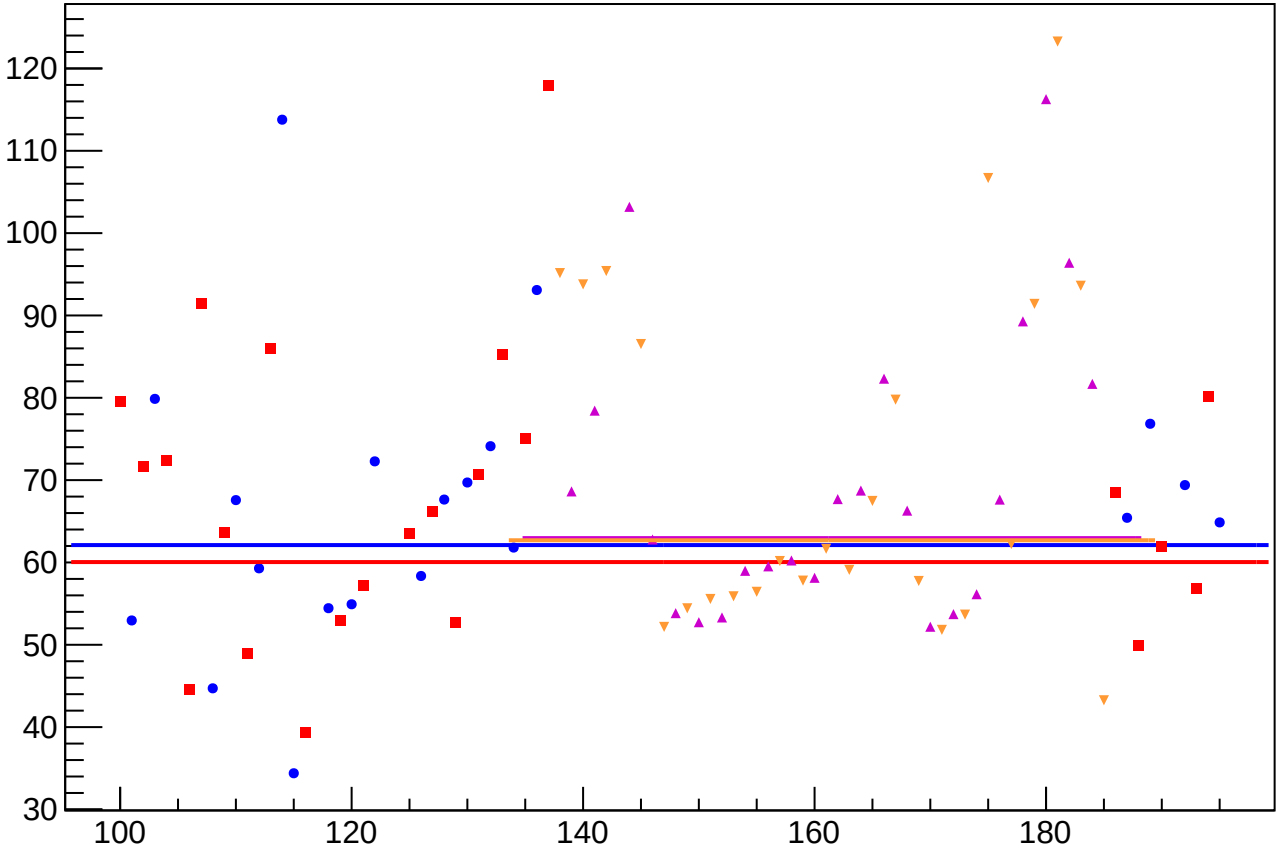
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.008+/-0.009 χ^2/NDF: 115.2/89

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

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

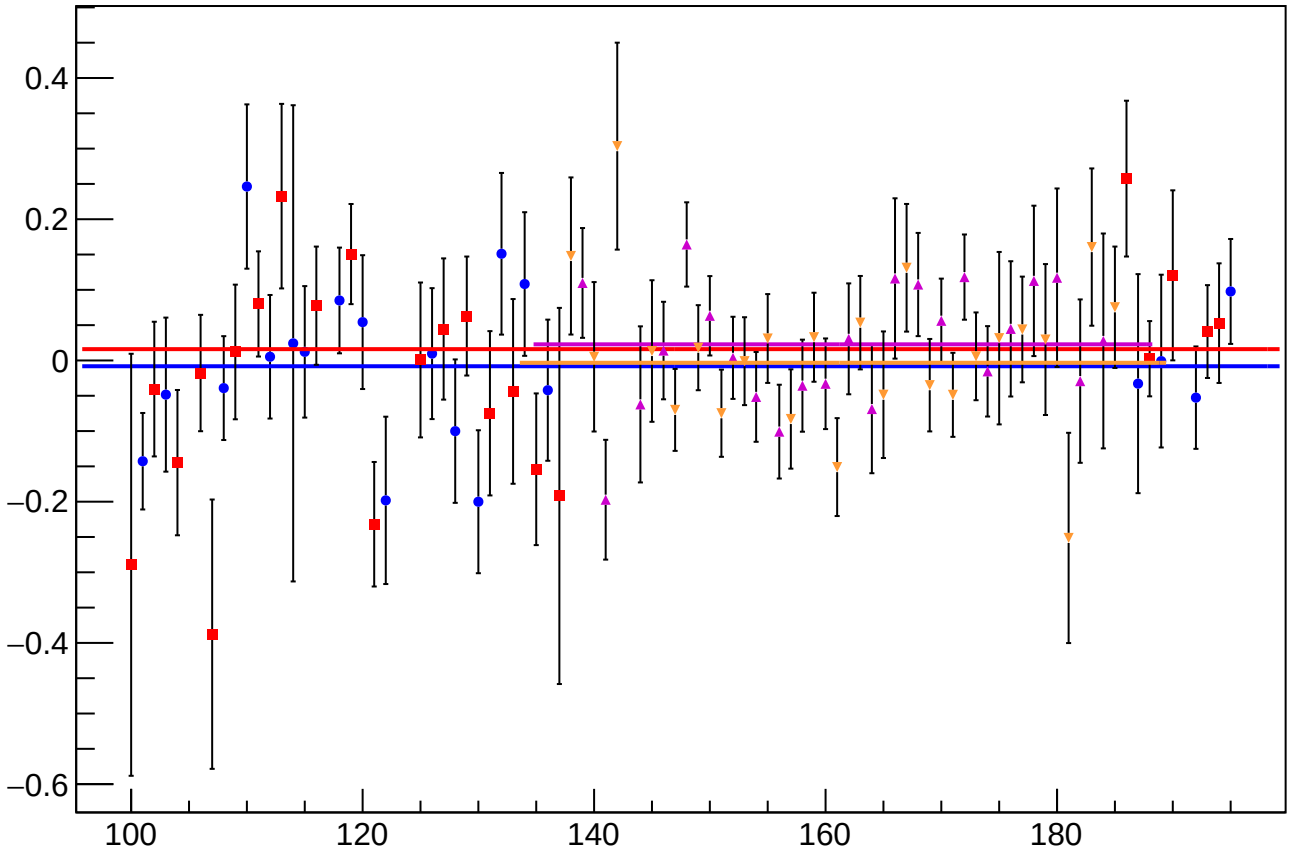
Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

All: 62.149+/-0.006 χ^2/NDF: 5080905.3/89

- sign 61.827+/-0.009 χ^2/NDF: 2371284.9/45



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

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

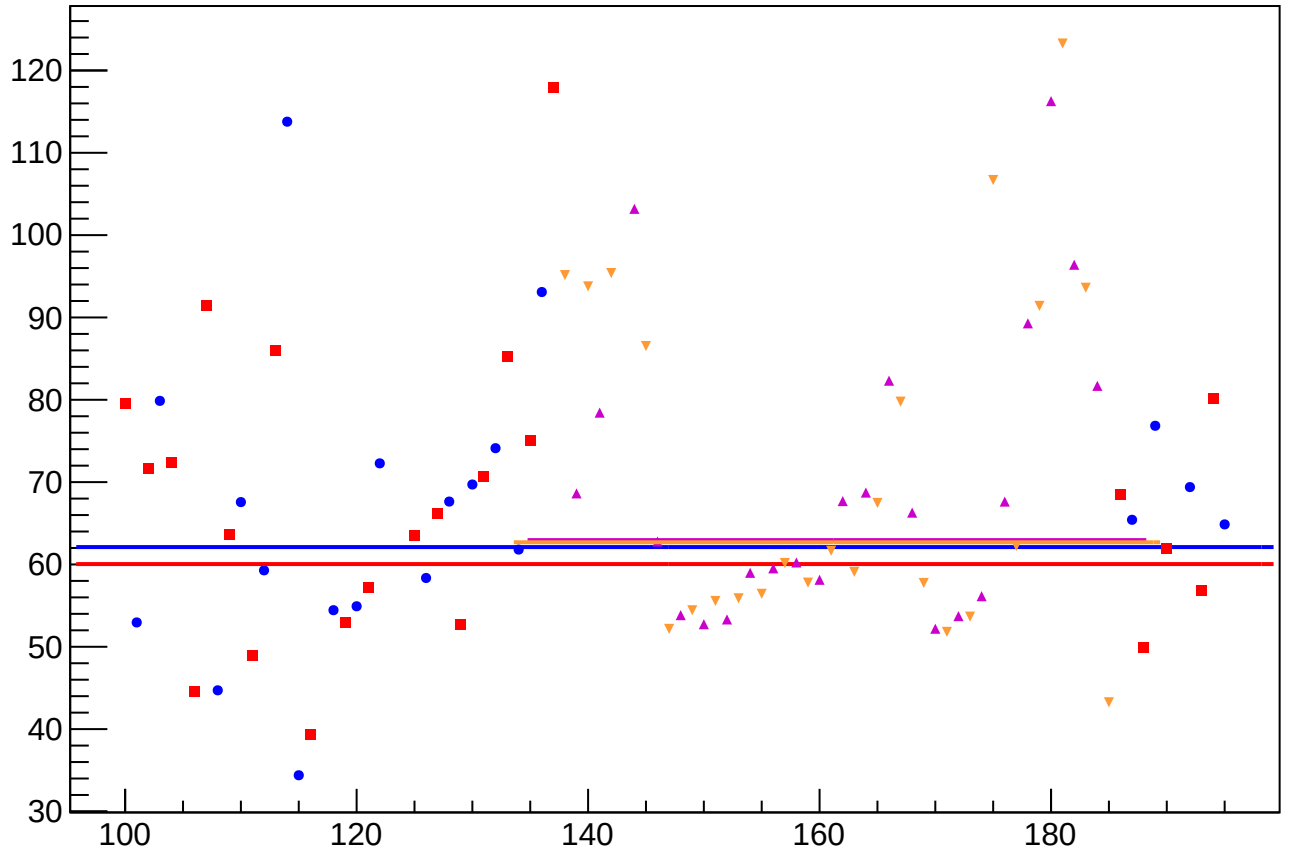
Right Out: 0.016+/-0.019 χ^2/NDF: 34.3/22

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: 115.2/89

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45



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

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

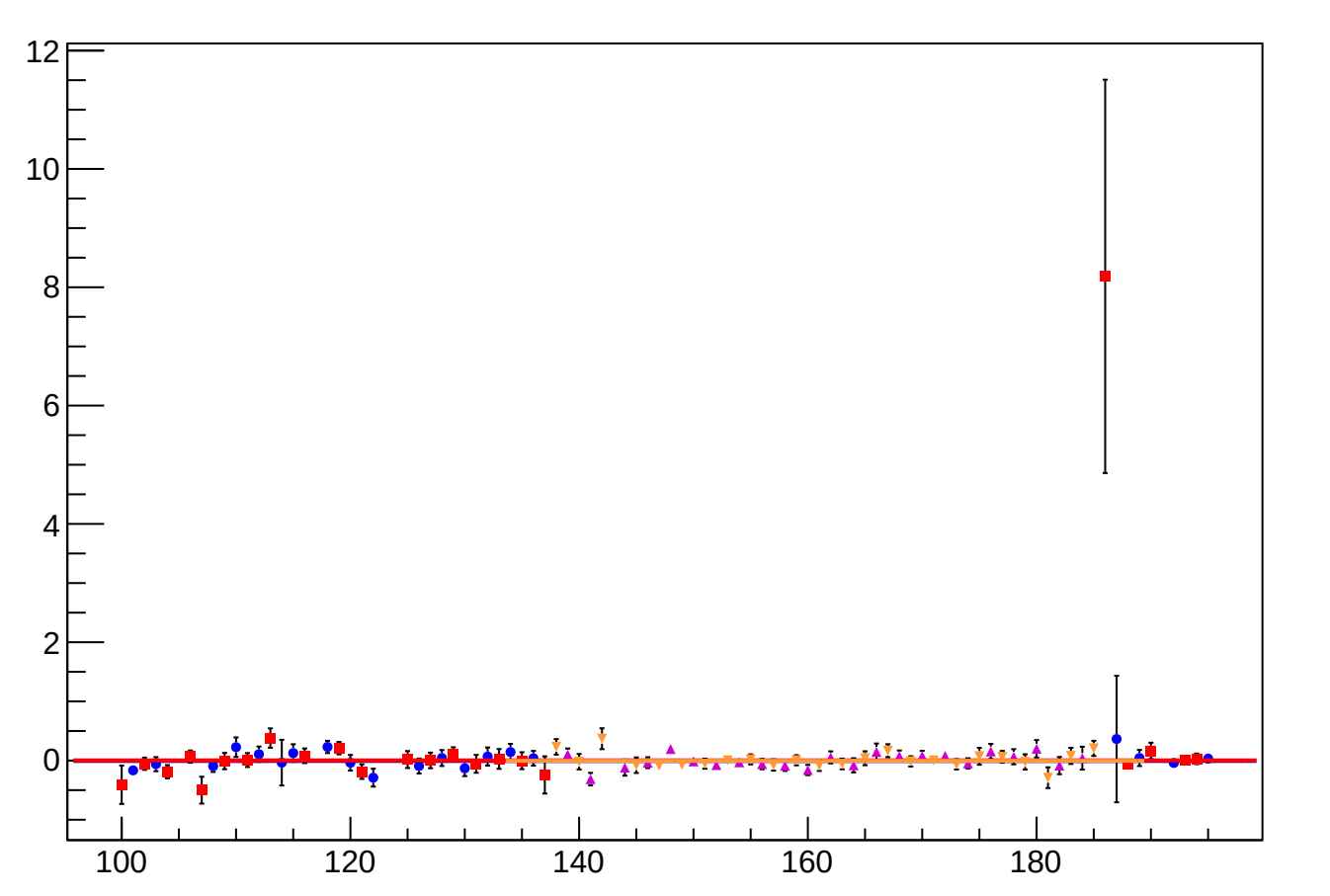
Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

All: 62.149+/-0.006 χ^2/NDF: 5080905.3/89

- sign 61.827+/-0.009 χ^2/NDF: 2371284.9/45



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

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

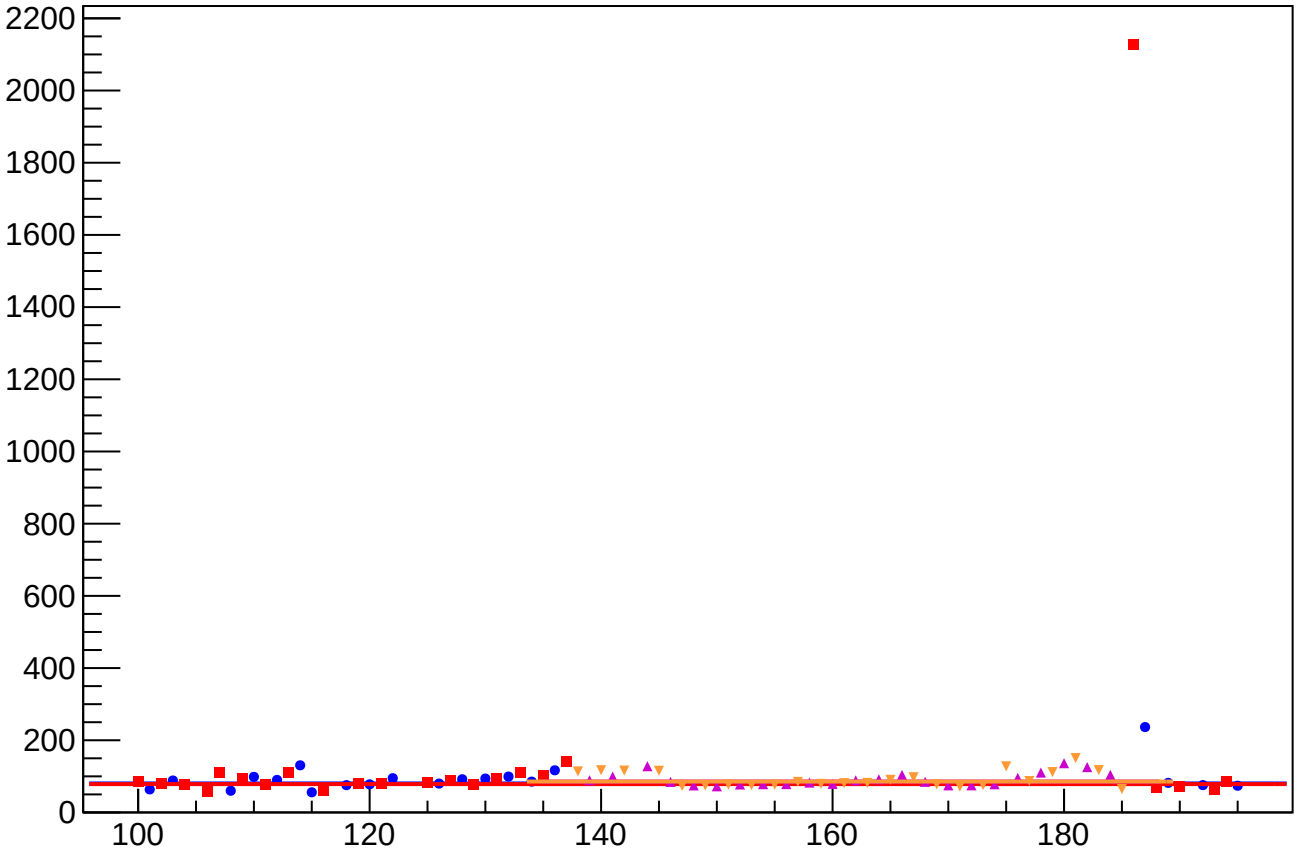
Right Out: 0.004+/-0.025 χ^2/NDF: 32.1/22

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

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

All: -0.002+/-0.011 χ^2/NDF: 104.9/89

- sign 0.000+/-0.016 χ^2/NDF: 62.6/45



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

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

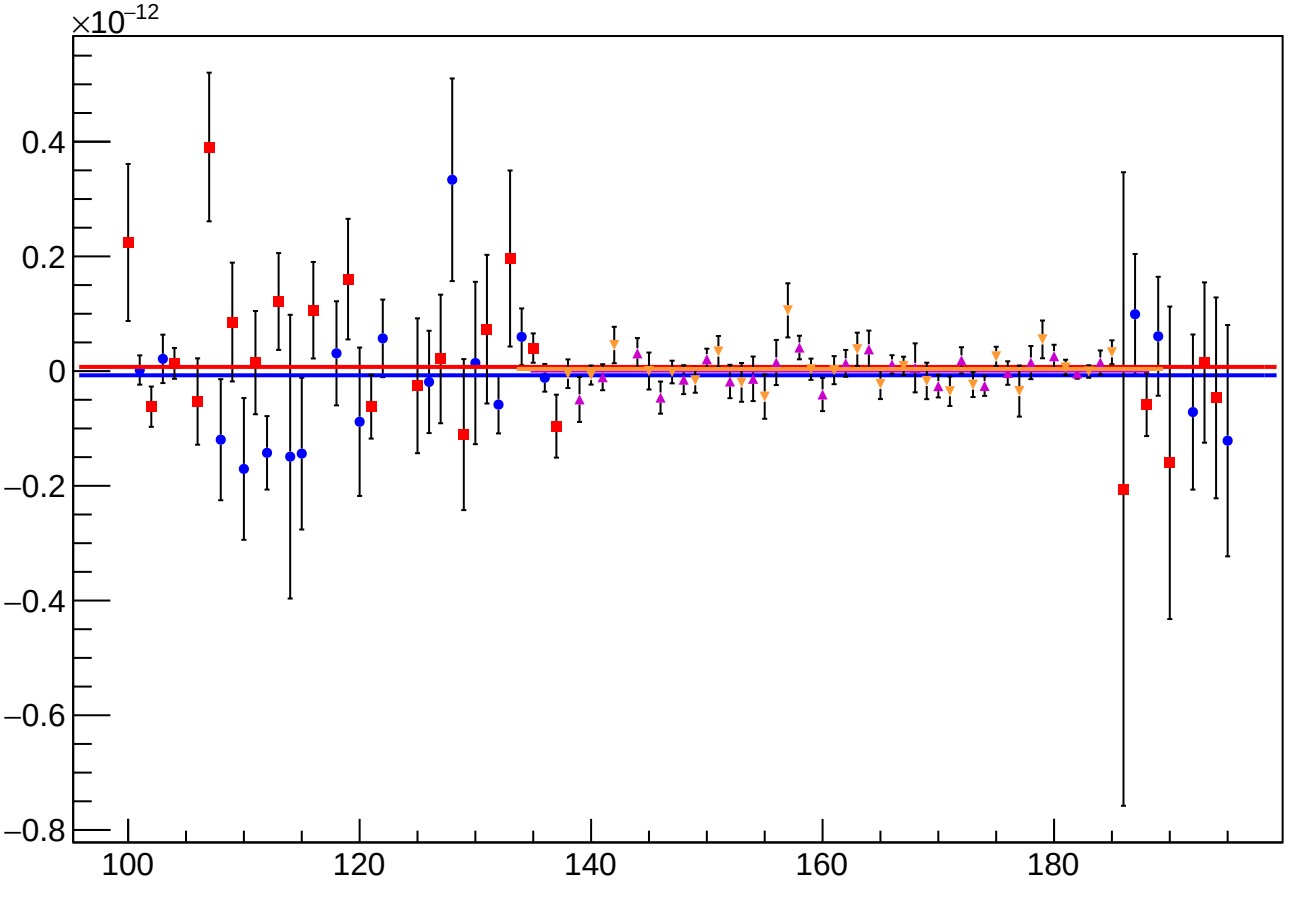
Right Out: 78.567+/-0.018 χ^2/NDF: 1410793.4/22

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

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

All: 83.256+/-0.008 χ^2/NDF: 4531967.3/89

- sign 82.857+/-0.011 χ^2/NDF: 2500524.1/45



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

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

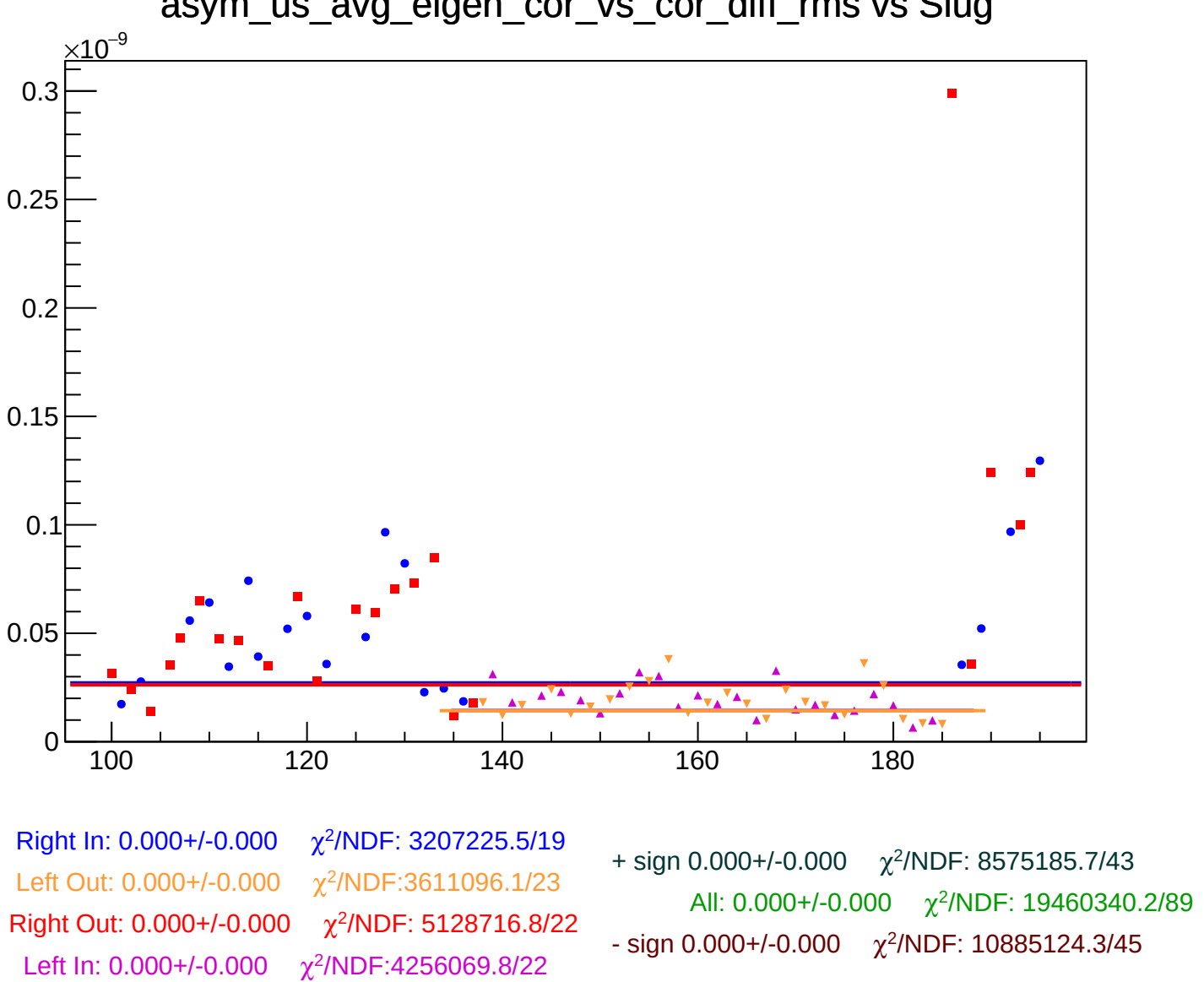
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/22

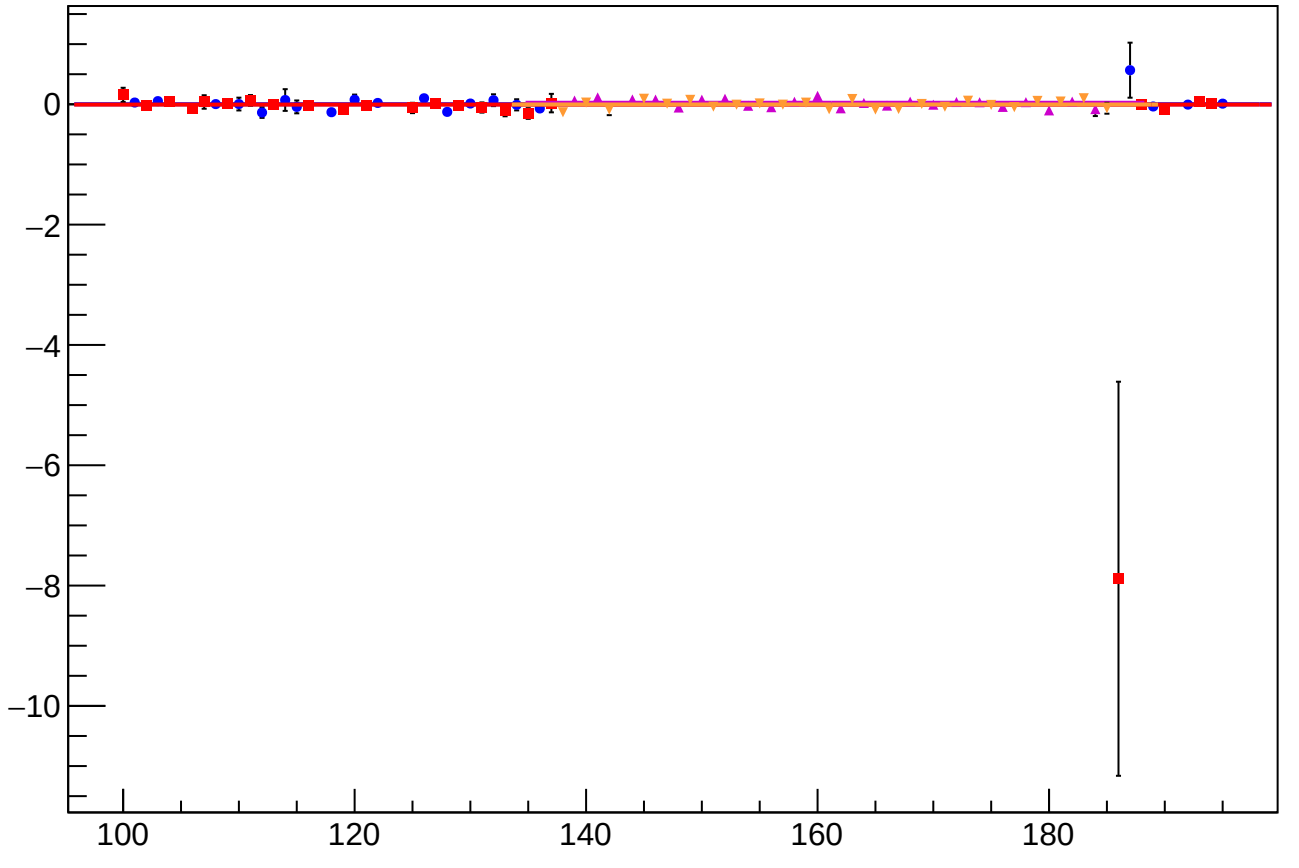
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.1/43

All: 0.000+/-0.000 χ^2/NDF: 102.2/89

- sign 0.000+/-0.000 χ^2/NDF: 57.1/45


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3207225.5/19
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 5128716.8/22
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8575185.7/43
All: 0.000+/-0.000 χ²/NDF: 19460340.2/89
- sign 0.000+/-0.000 χ²/NDF: 10885124.3/45



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: -0.005+/-0.011 χ^2/NDF: 25.3/22

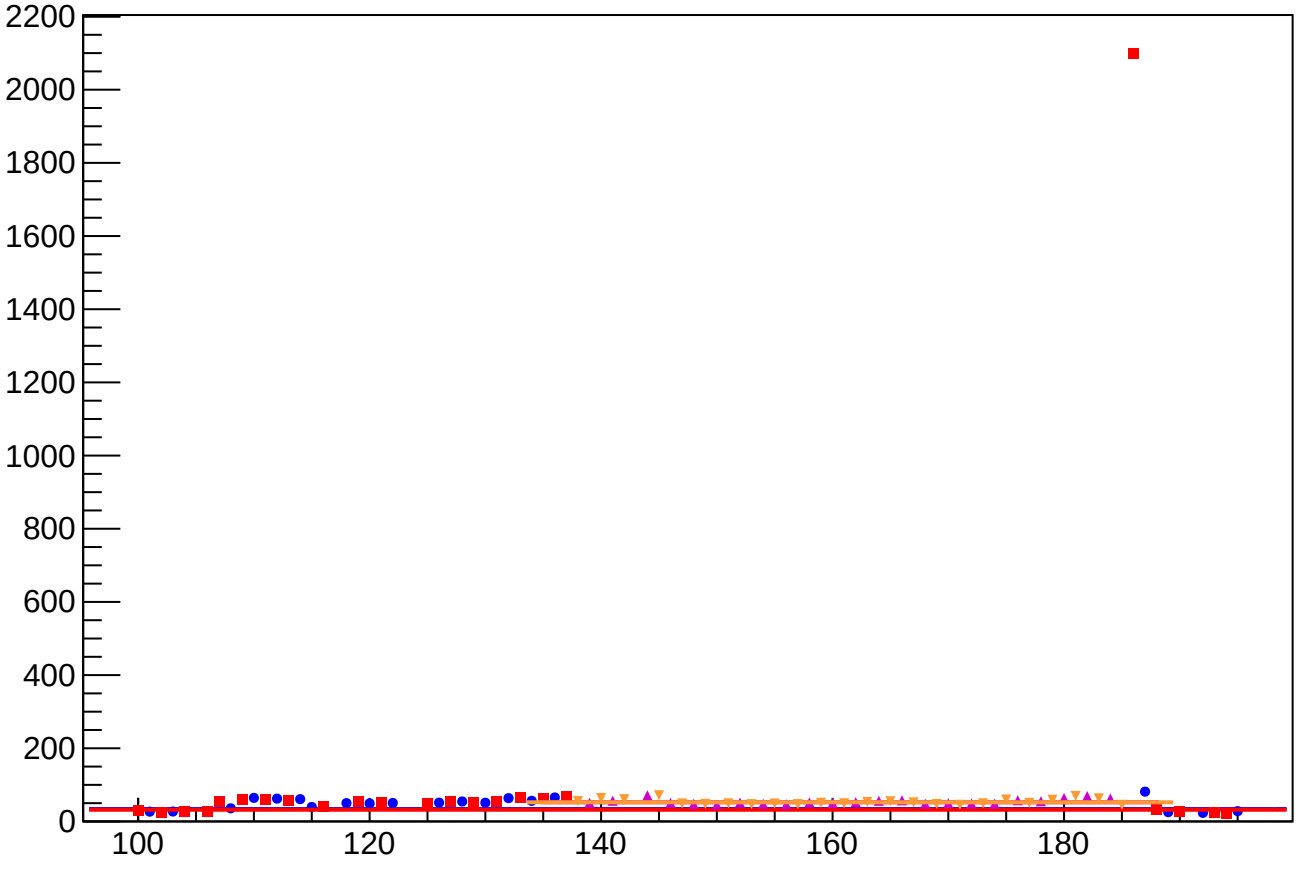
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.004+/-0.006 χ^2/NDF: 94.9/89

- sign 0.008+/-0.008 χ^2/NDF: 52.9/45

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

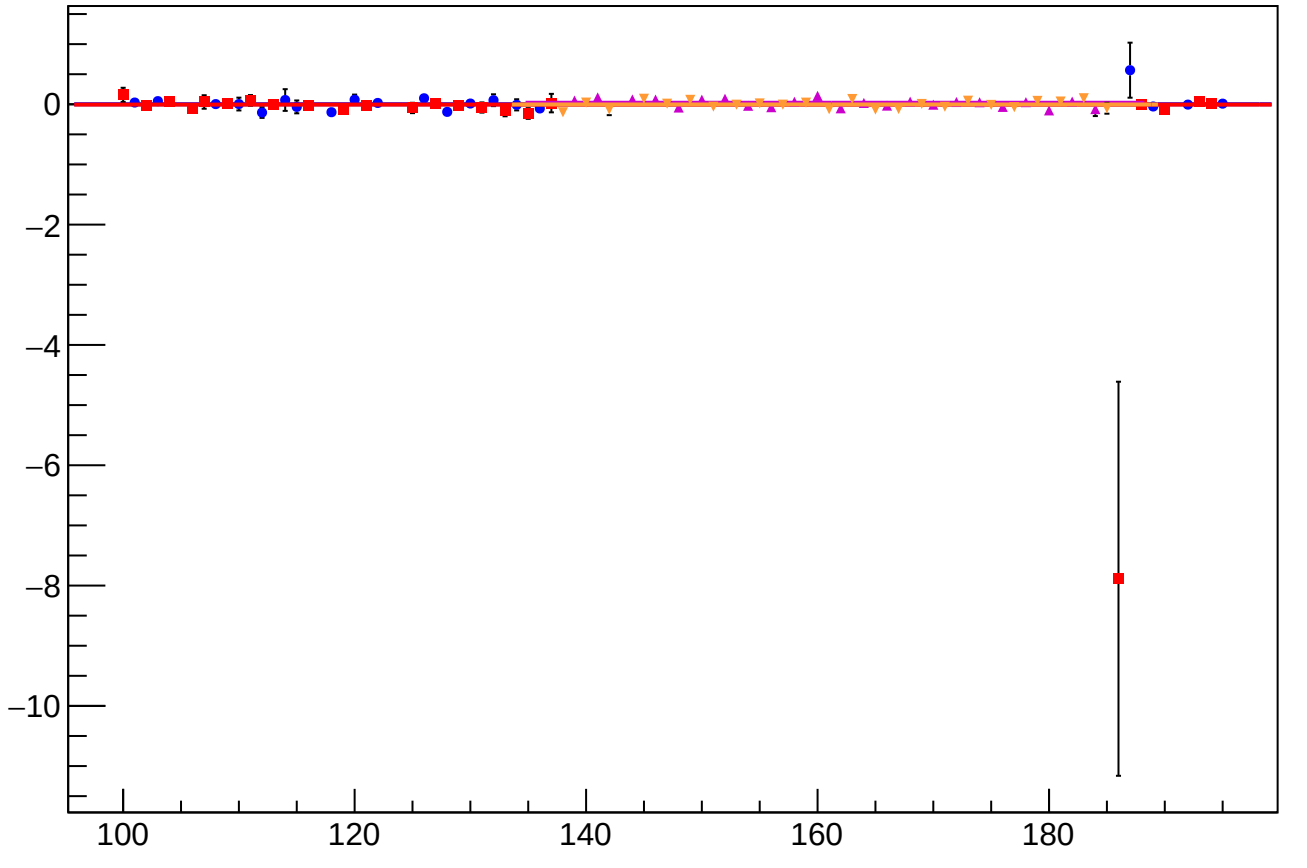
Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

All: 41.867+/-0.004 χ^2/NDF: 12275575.0/89

- sign 41.067+/-0.006 χ^2/NDF: 6957553.2/45



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: -0.005+/-0.011 χ^2/NDF: 25.3/22

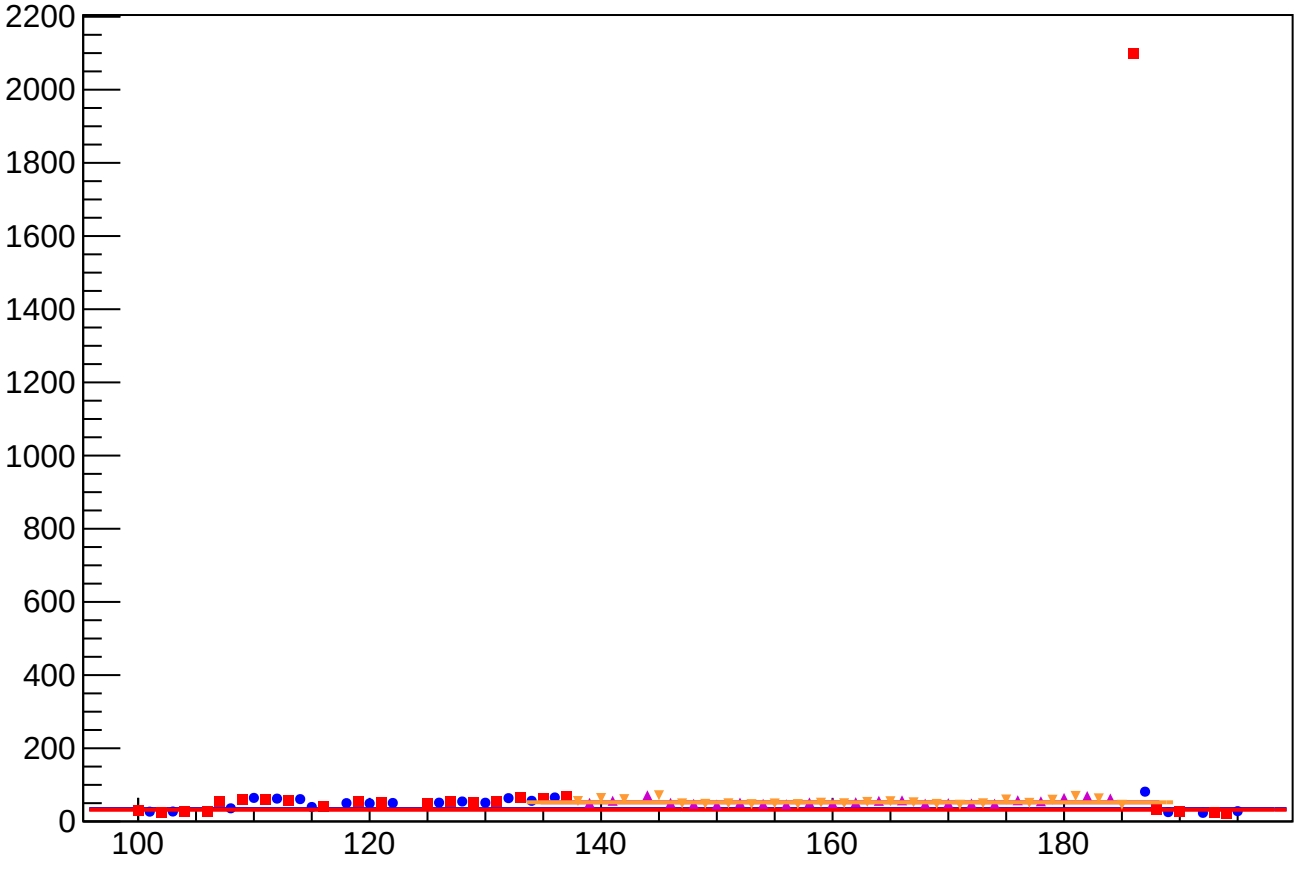
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.004+/-0.006 χ^2/NDF: 94.9/89

- sign 0.008+/-0.008 χ^2/NDF: 52.9/45

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: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

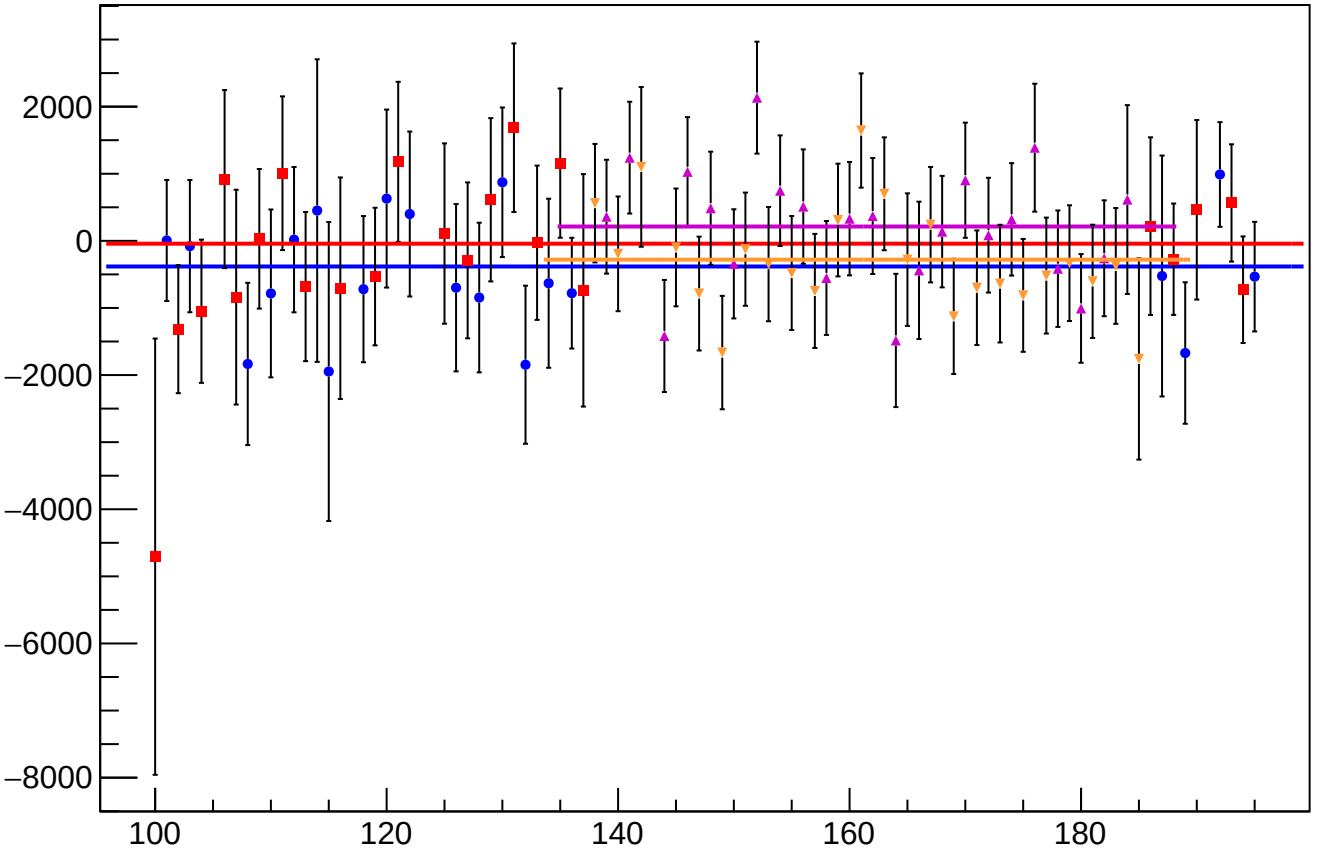
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 41.867+/-0.004 χ^2/NDF: 12275575.0/89

- sign 41.067+/-0.006 χ^2/NDF: 6957553.2/45

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

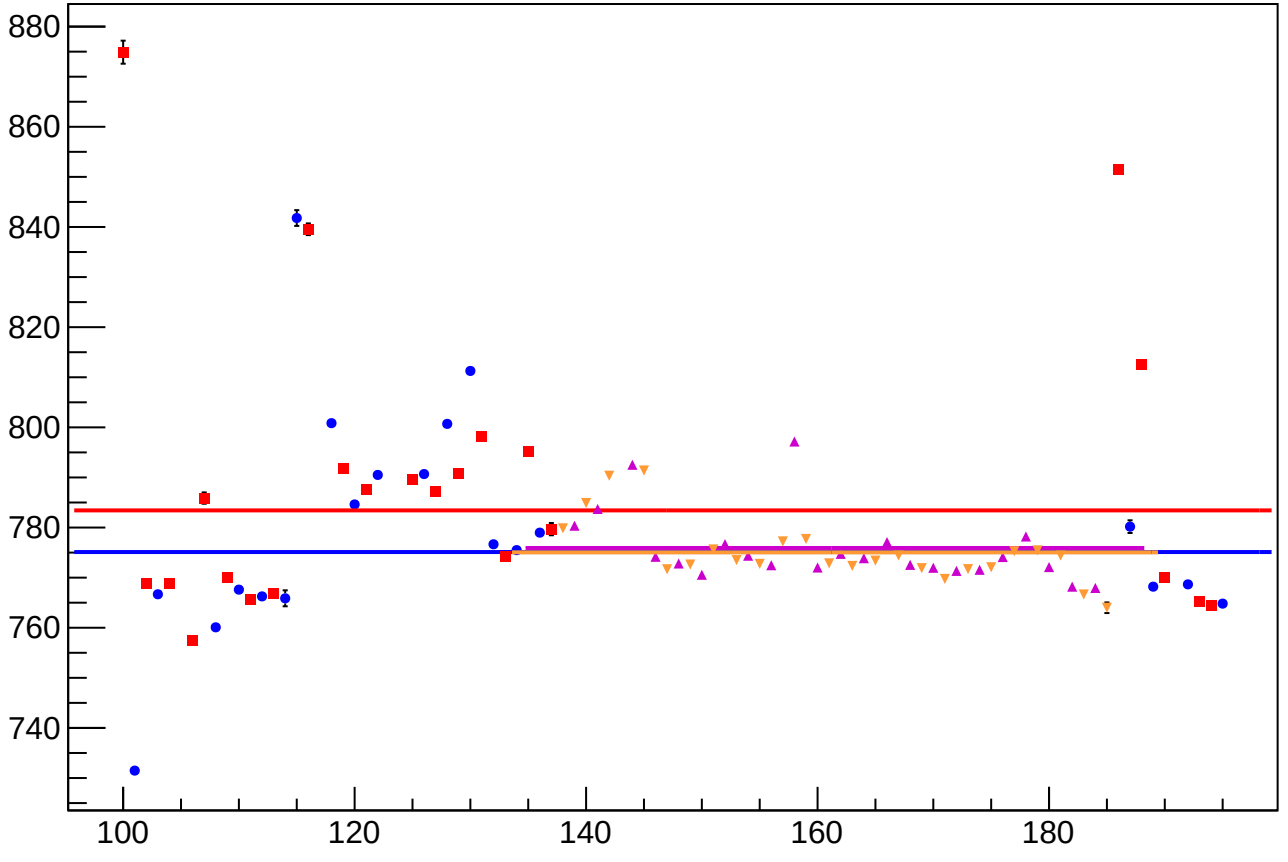
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -96.043+/-102.474 χ^2/NDF: 68.6/89

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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: 783.426+/-0.169 χ^2/NDF: 17671.0/22

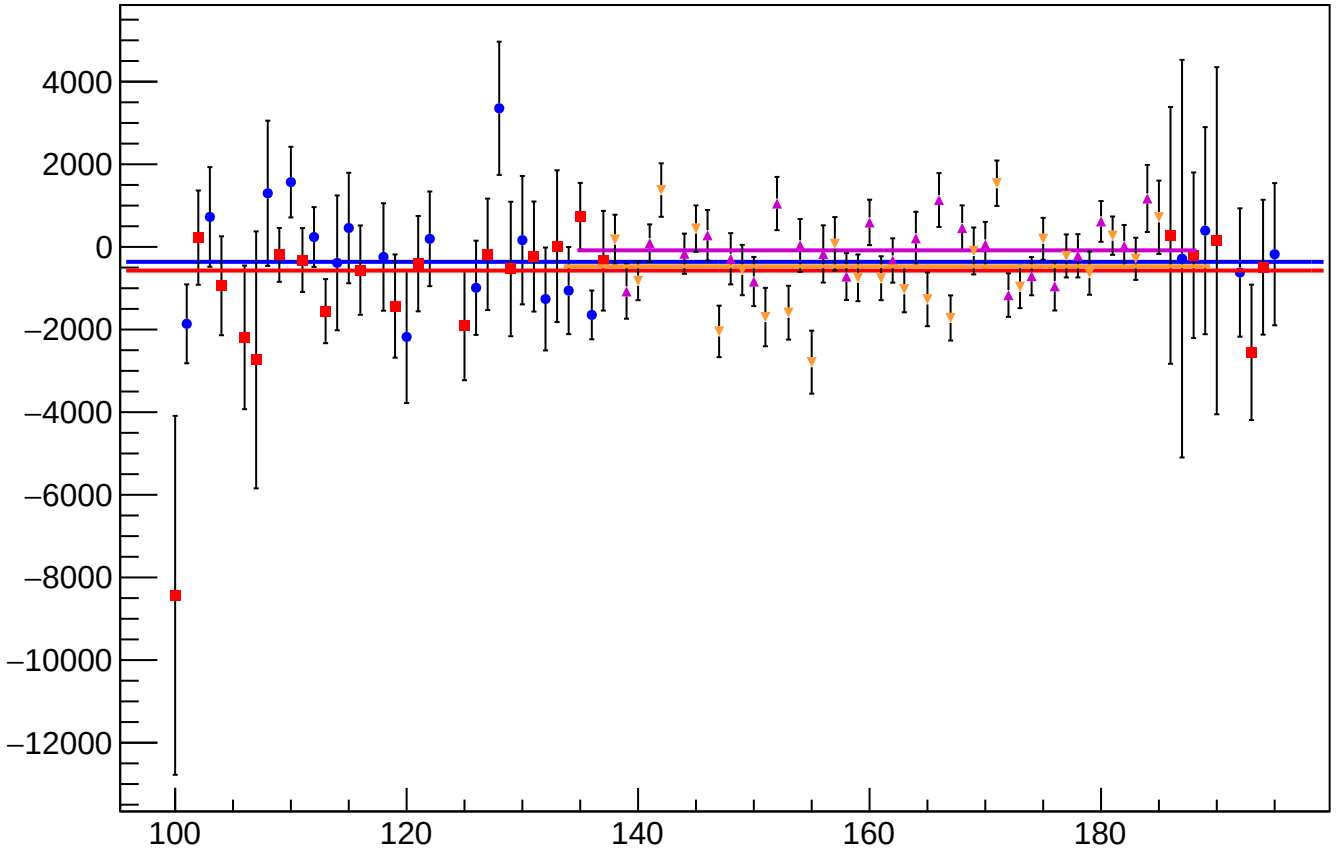
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45

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: -572.441+/-252.985 χ^2/NDF: 13.3/22

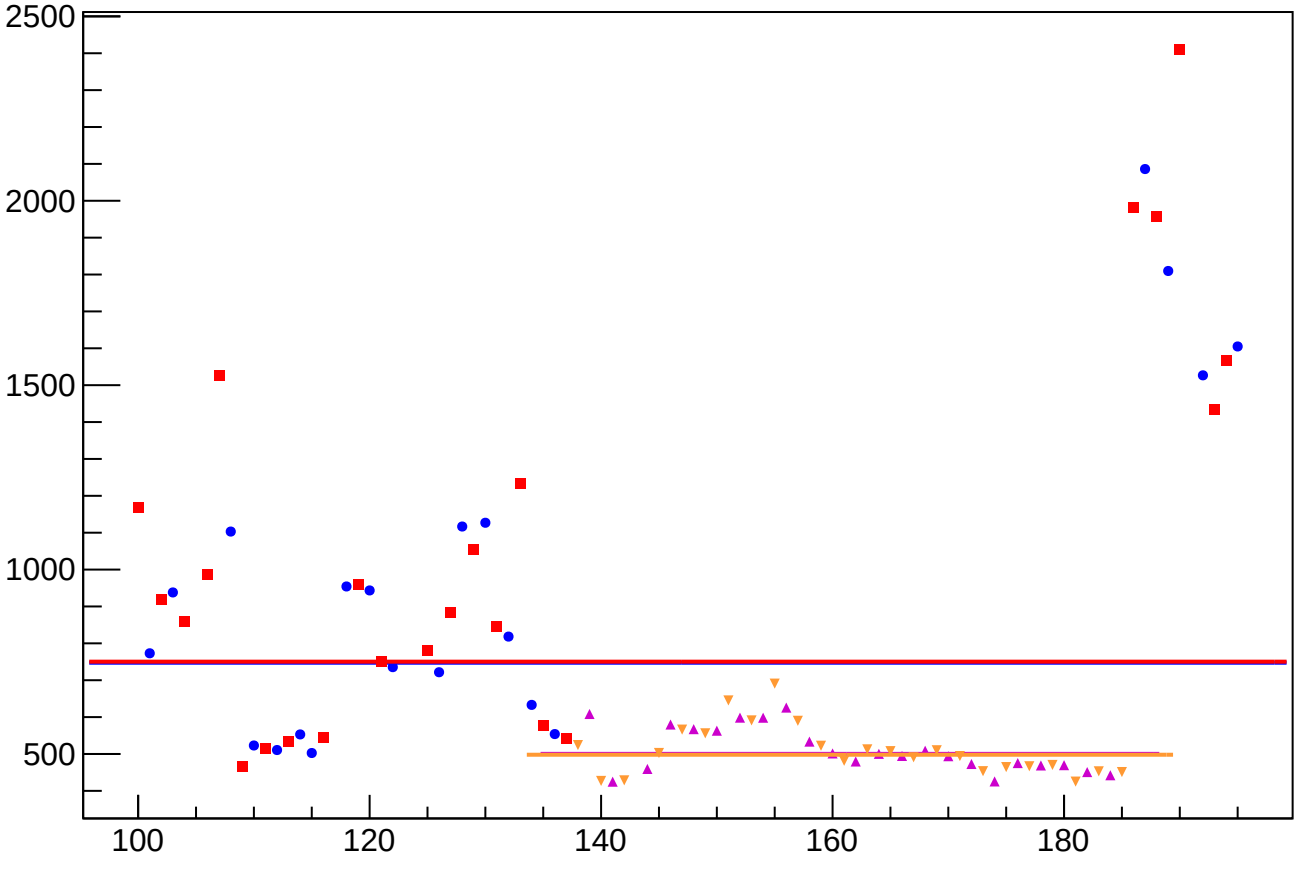
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.363+/-75.356 χ^2/NDF: 135.9/89

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

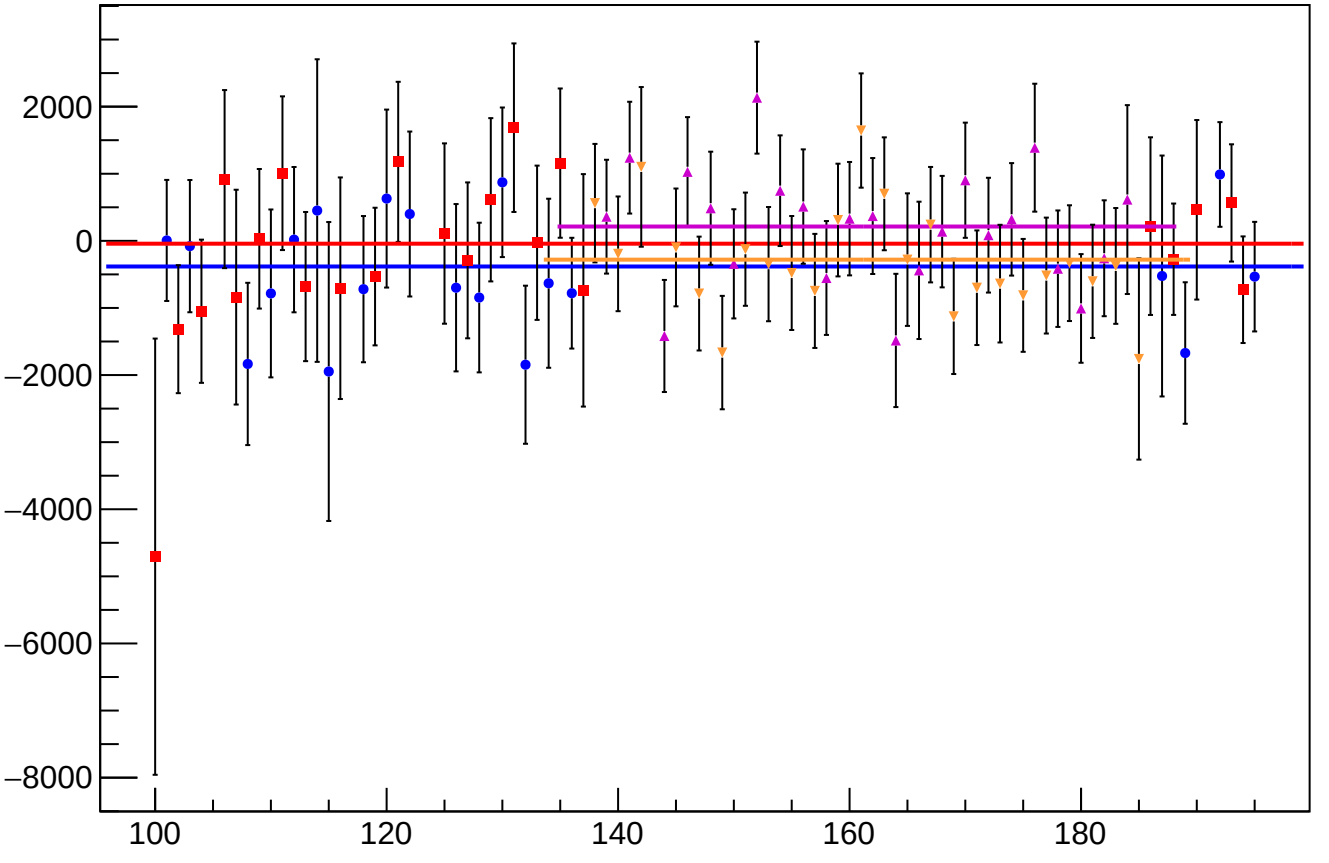
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89

- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

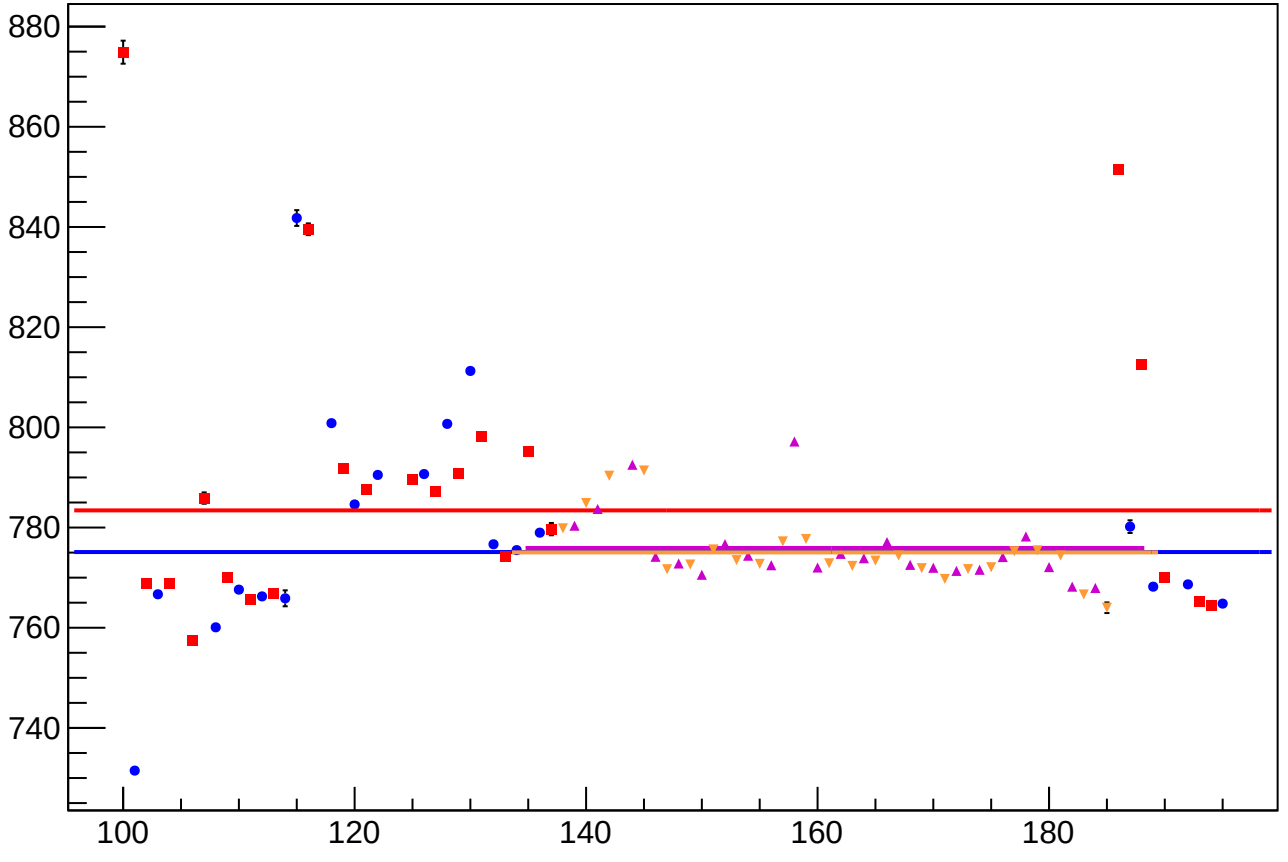
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -96.043+/-102.474 χ^2/NDF: 68.6/89

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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: 783.426+/-0.169 χ^2/NDF: 17671.0/22

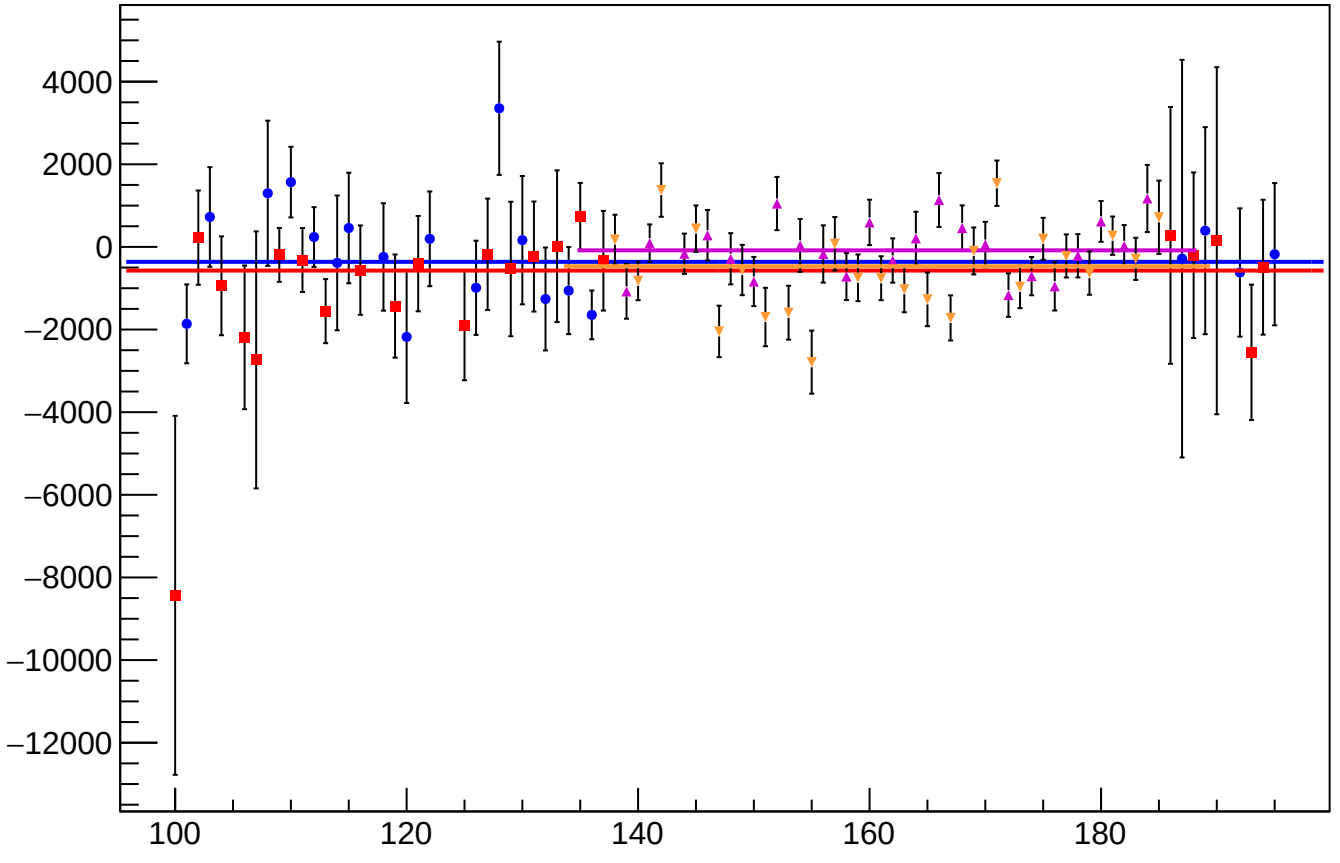
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45

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: -572.441+/-252.985 χ^2/NDF: 13.3/22

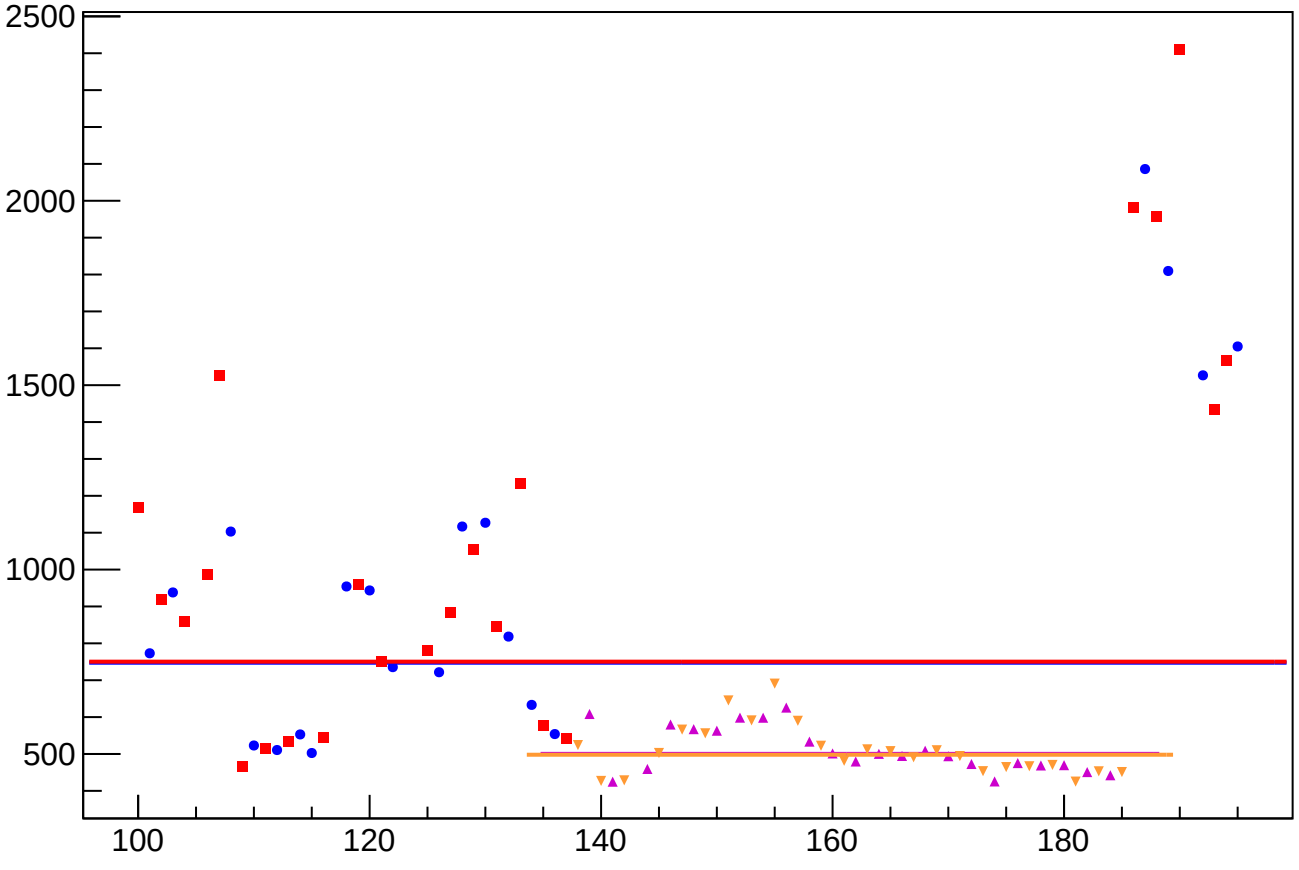
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.363+/-75.356 χ^2/NDF: 135.9/89

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

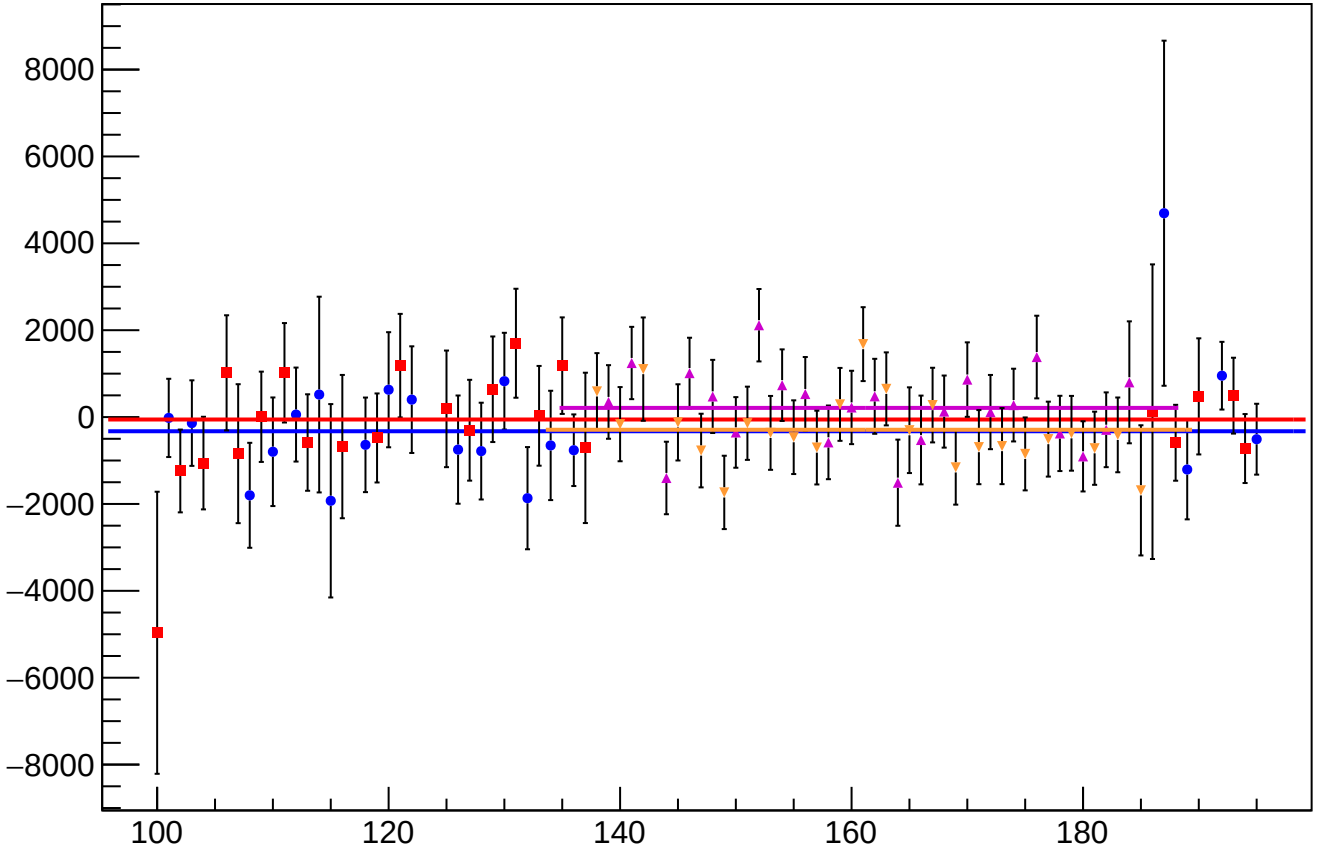
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89

- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -55.753+/-243.061 χ^2/NDF: 13.5/22

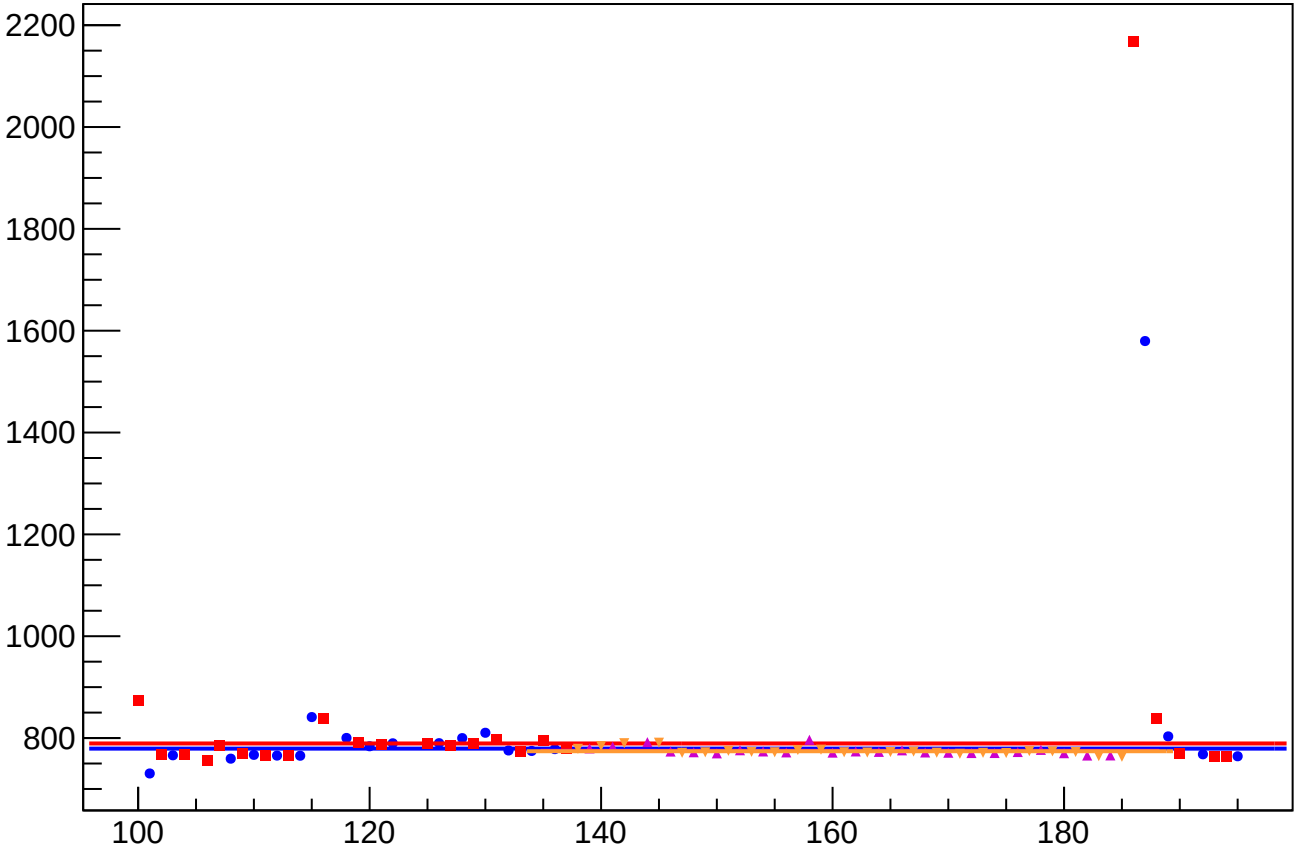
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -92.661+/-102.914 χ^2/NDF: 69.1/89

- sign 116.031+/-145.145 χ^2/NDF: 36.4/45

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

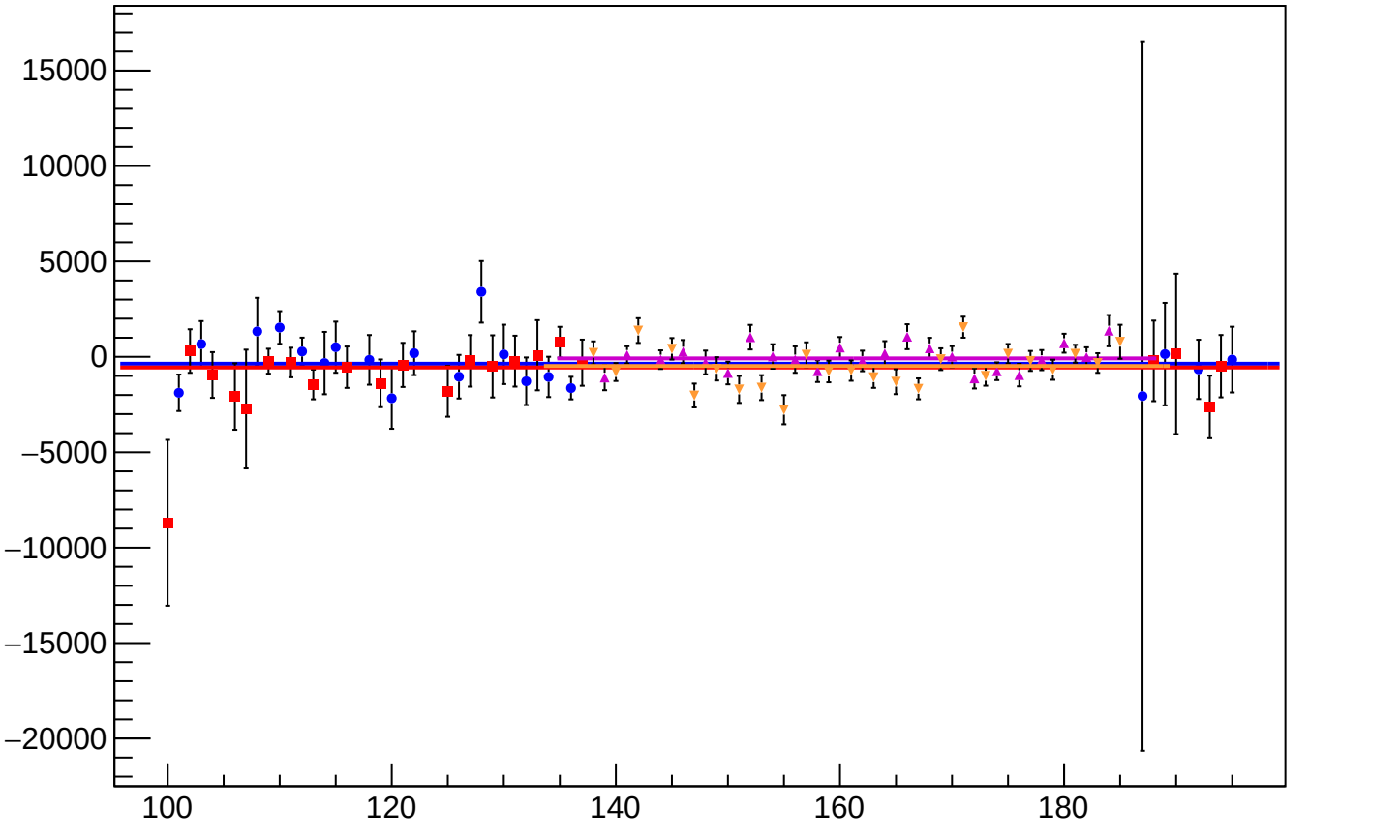
Right Out: 789.368+/-0.172 χ^2/NDF: 349794.7/22

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

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

All: 778.010+/-0.073 χ^2/NDF: 456329.0/89

- sign 780.117+/-0.103 χ^2/NDF: 357445.7/45



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: -558.653+/-254.385 χ^2/NDF: 13.1/21

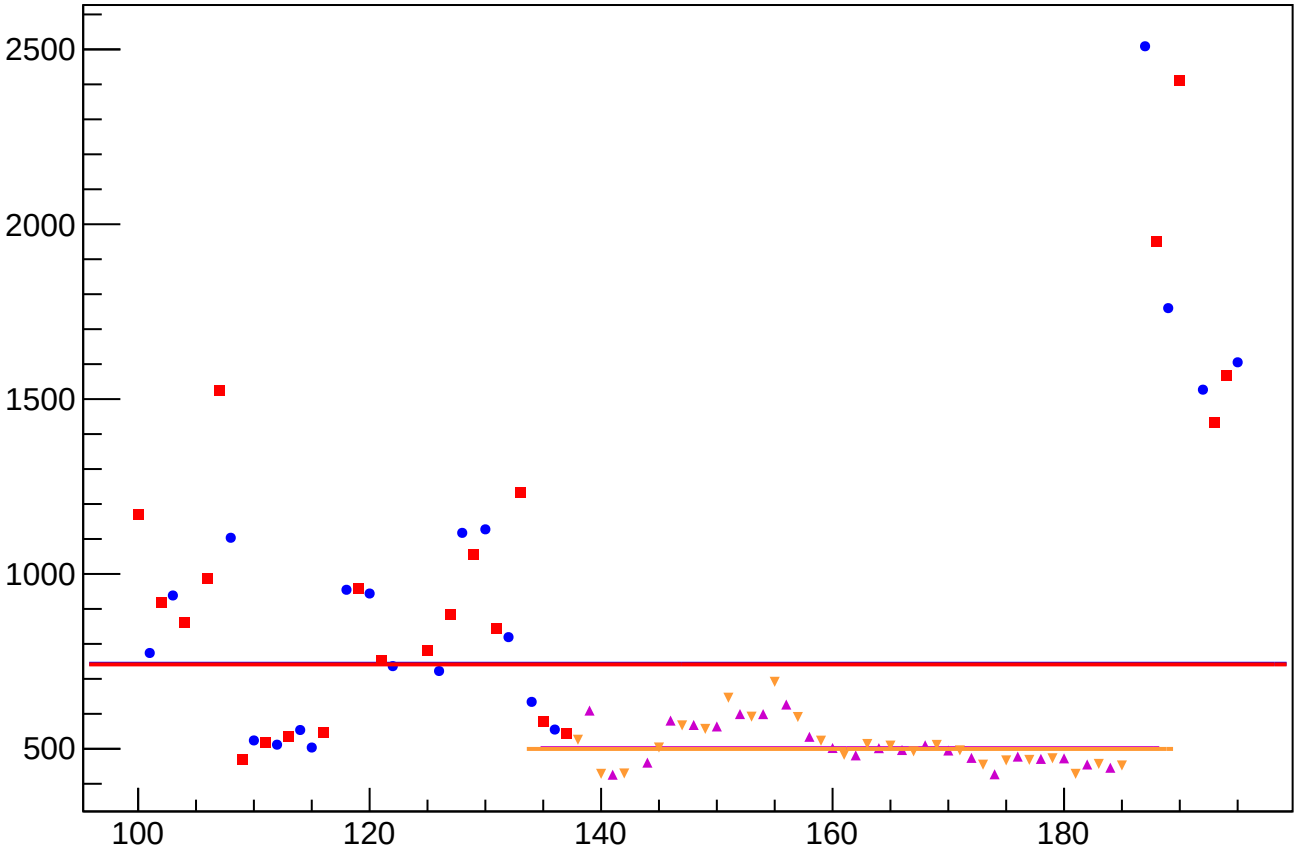
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

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

All: -314.990+/-75.618 χ^2/NDF: 135.1/88

- sign -167.613+/-107.189 χ^2/NDF: 44.2/44

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: 741.371+/-0.180 χ^2/NDF: 3273298.6/21

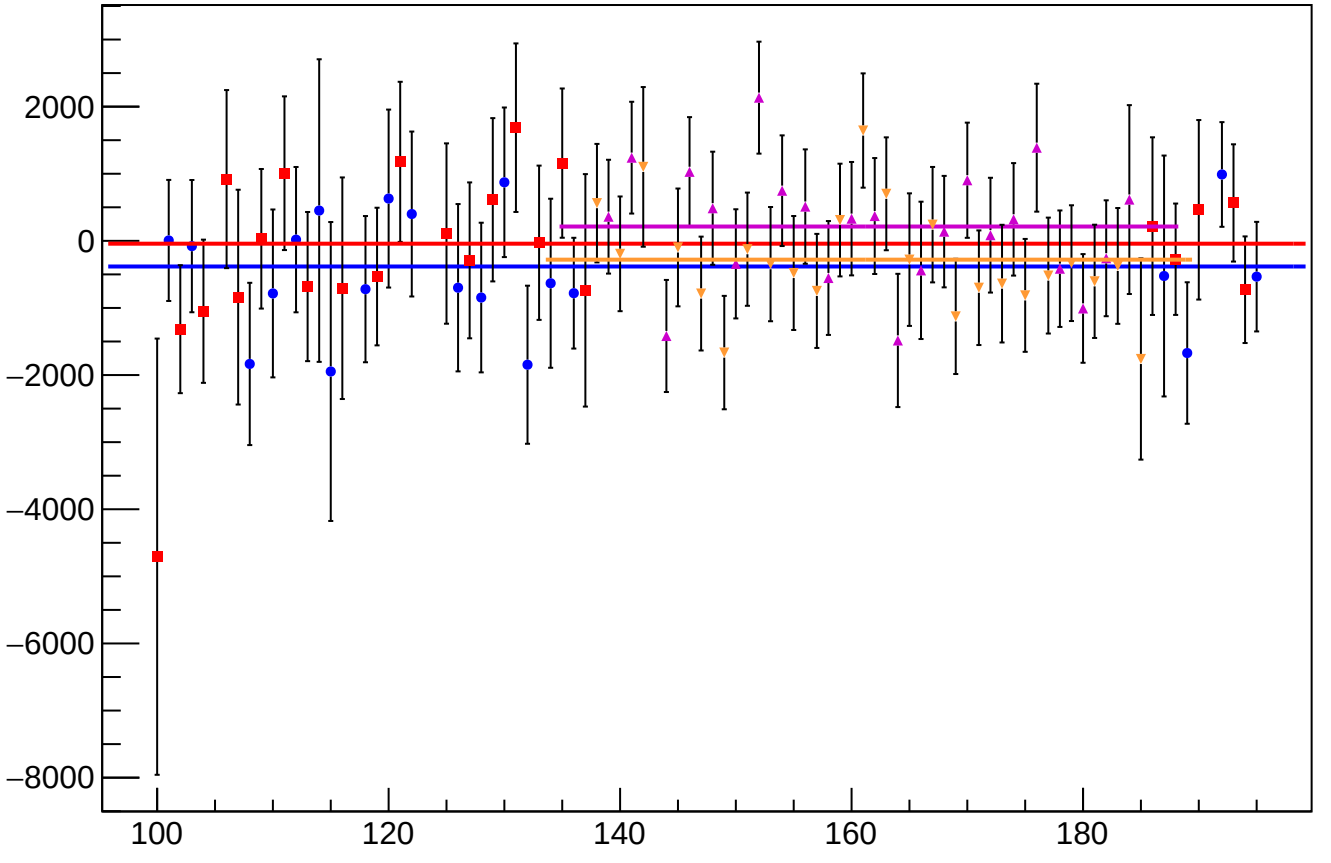
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

All: 542.755+/-0.053 χ^2/NDF: 9609179.6/88

- sign 544.522+/-0.076 χ^2/NDF: 5196893.0/44

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

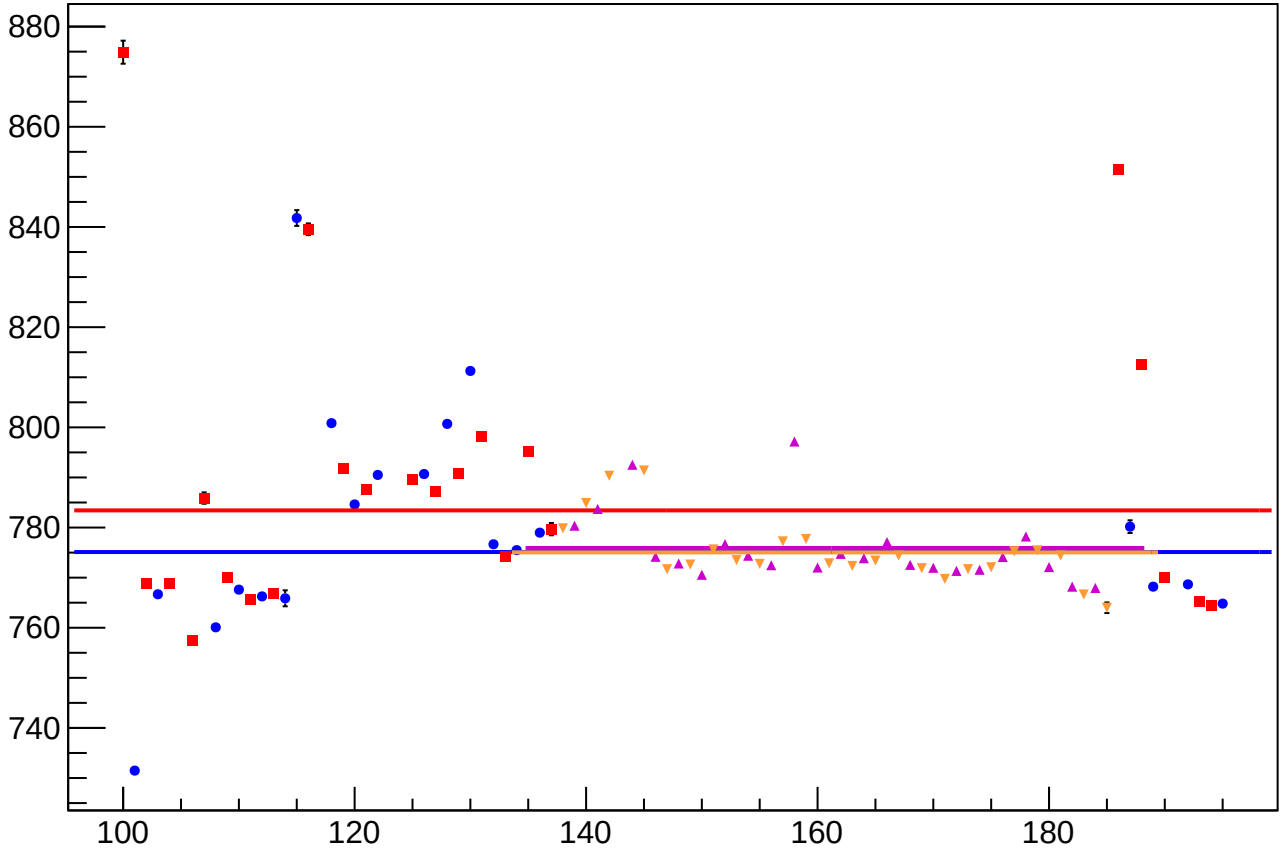
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -96.043+/-102.474 χ^2/NDF: 68.6/89

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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

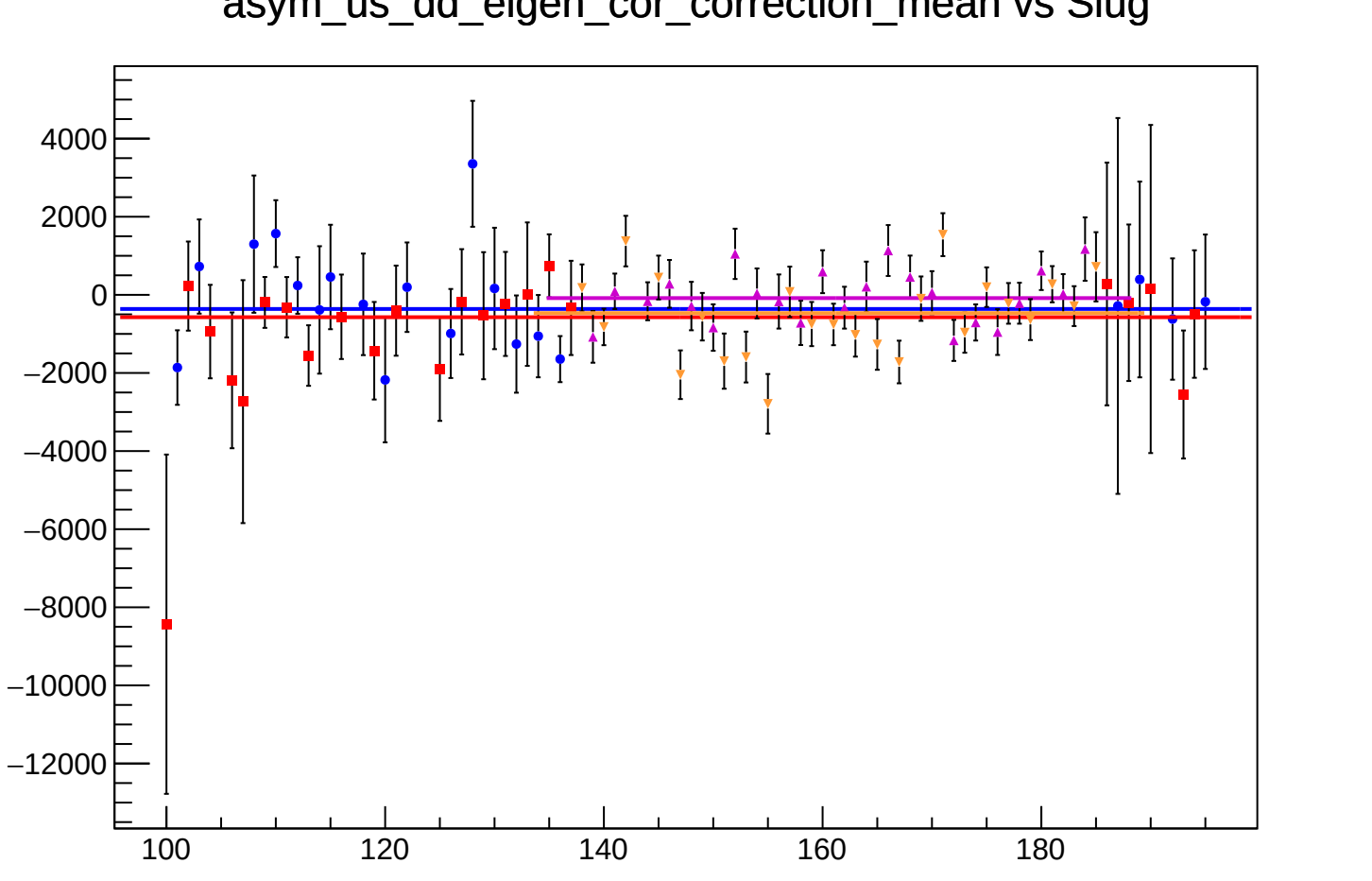
Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

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

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45



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: -572.441+/-252.985 χ^2/NDF: 13.3/22

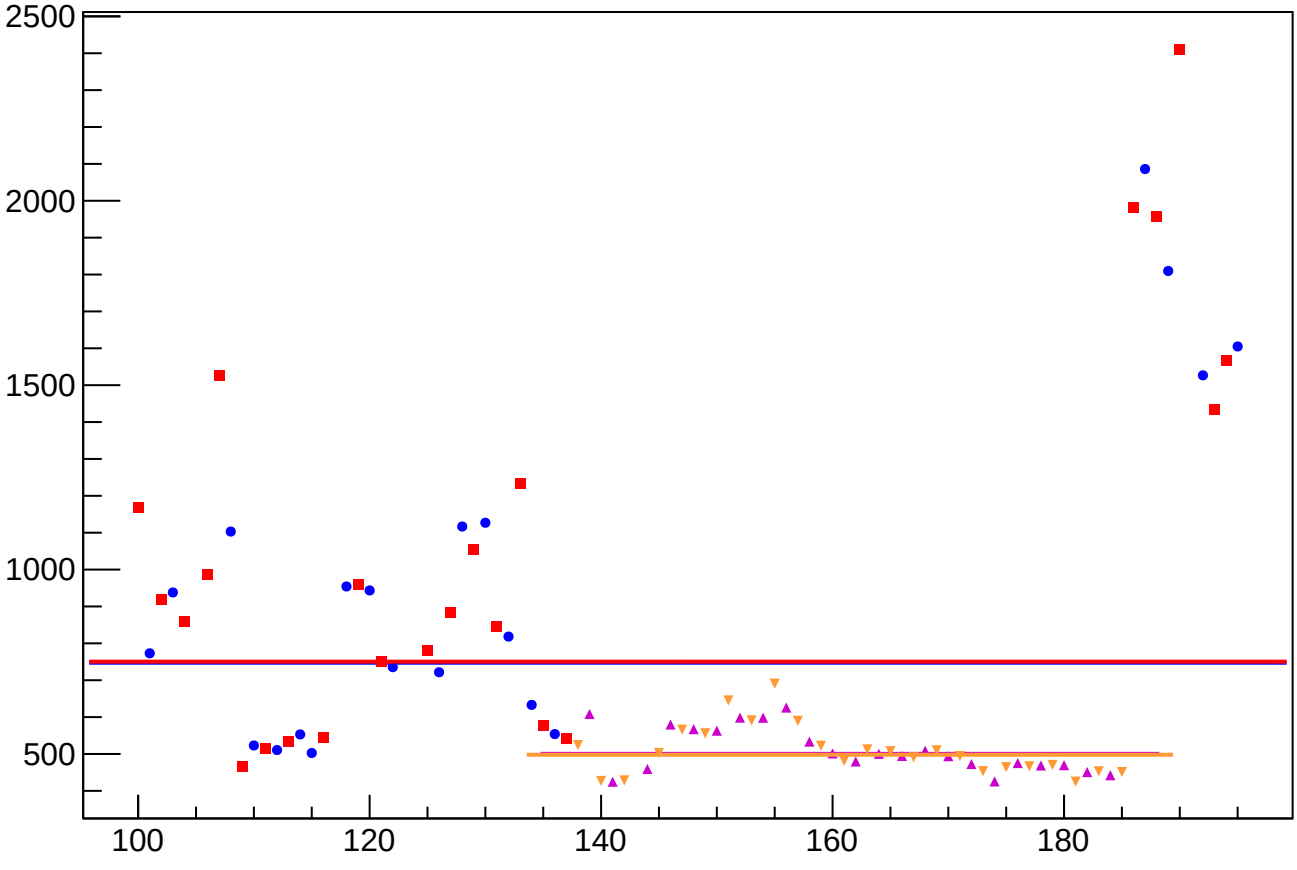
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.363+/-75.356 χ^2/NDF: 135.9/89

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

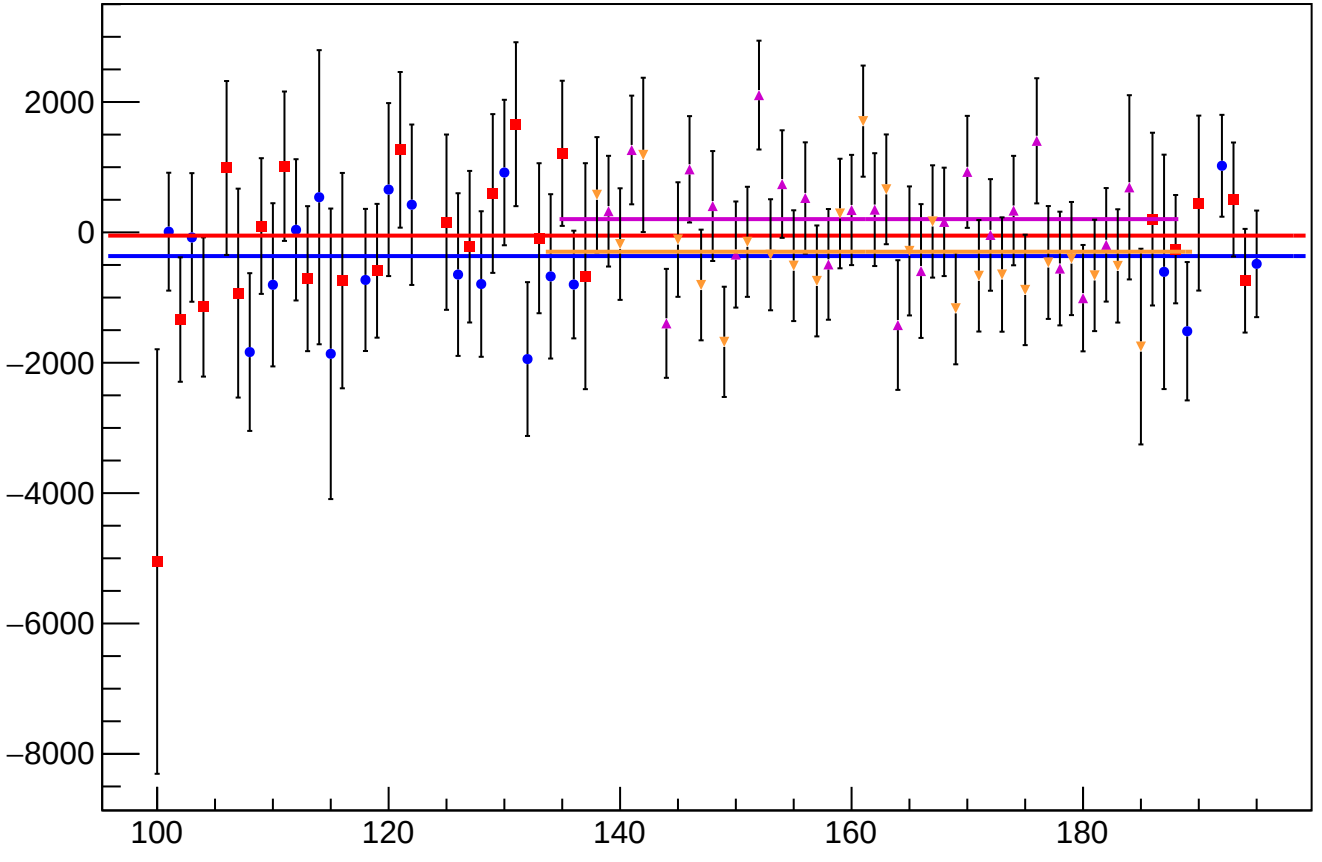
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89

- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -49.651+/-239.140 χ^2/NDF: 14.0/22

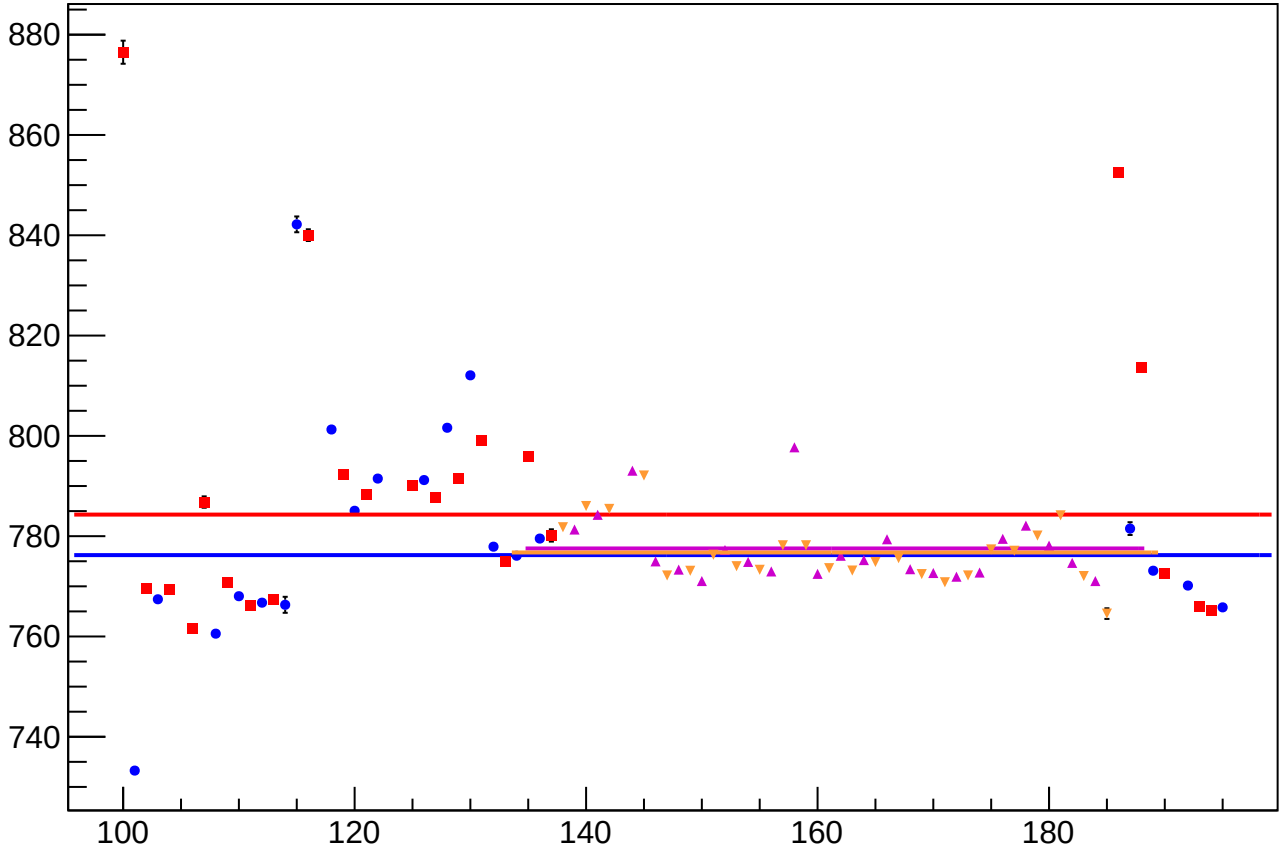
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -102.791+/-102.663 χ^2/NDF: 69.7/89

- sign 110.841+/-144.599 χ^2/NDF: 36.8/45

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: 784.304+/-0.169 χ^2/NDF: 17525.1/22

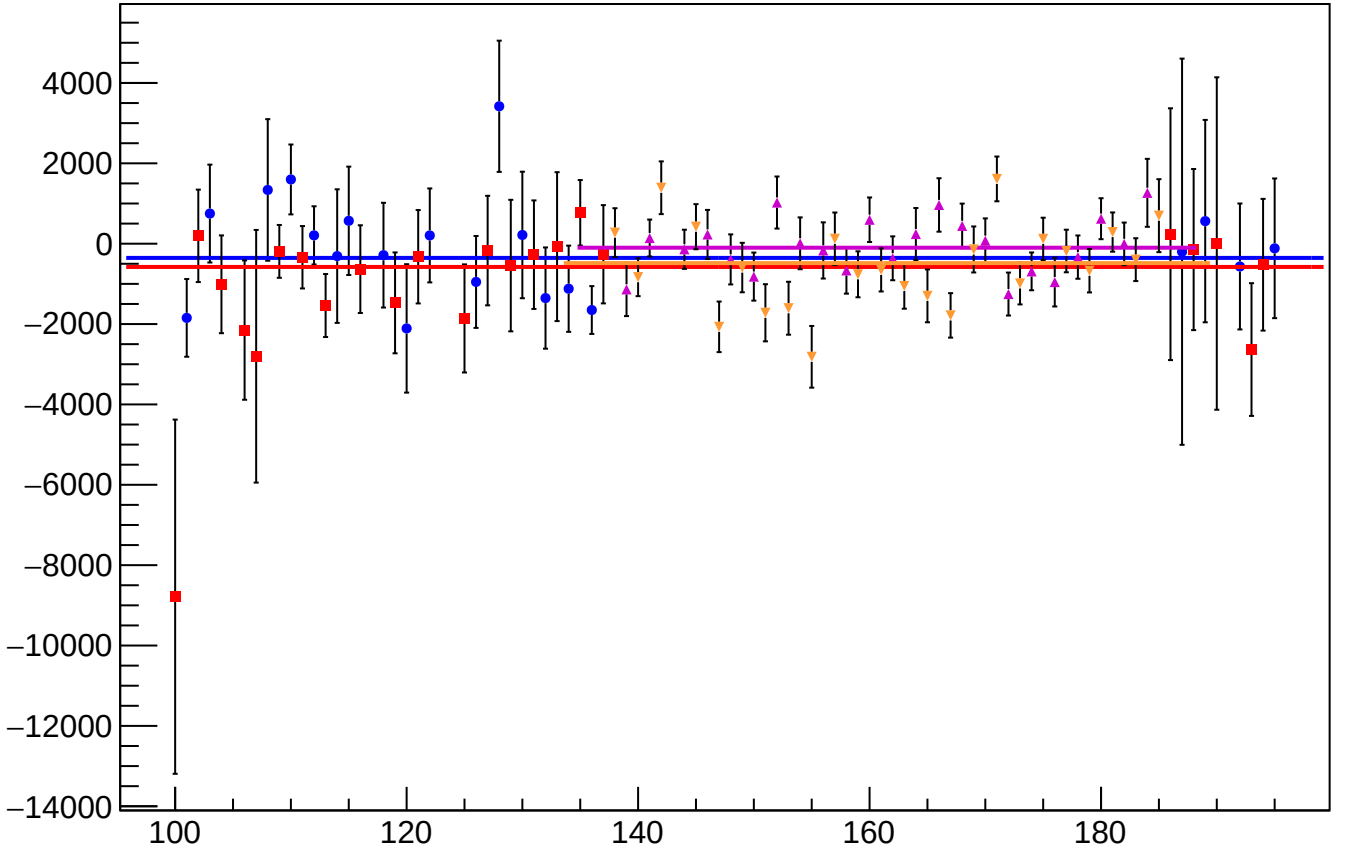
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 778.308+/-0.073 χ^2/NDF: 36079.0/89

- sign 780.019+/-0.102 χ^2/NDF: 21287.8/45

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: -578.661+/-255.167 χ^2/NDF: 13.5/22

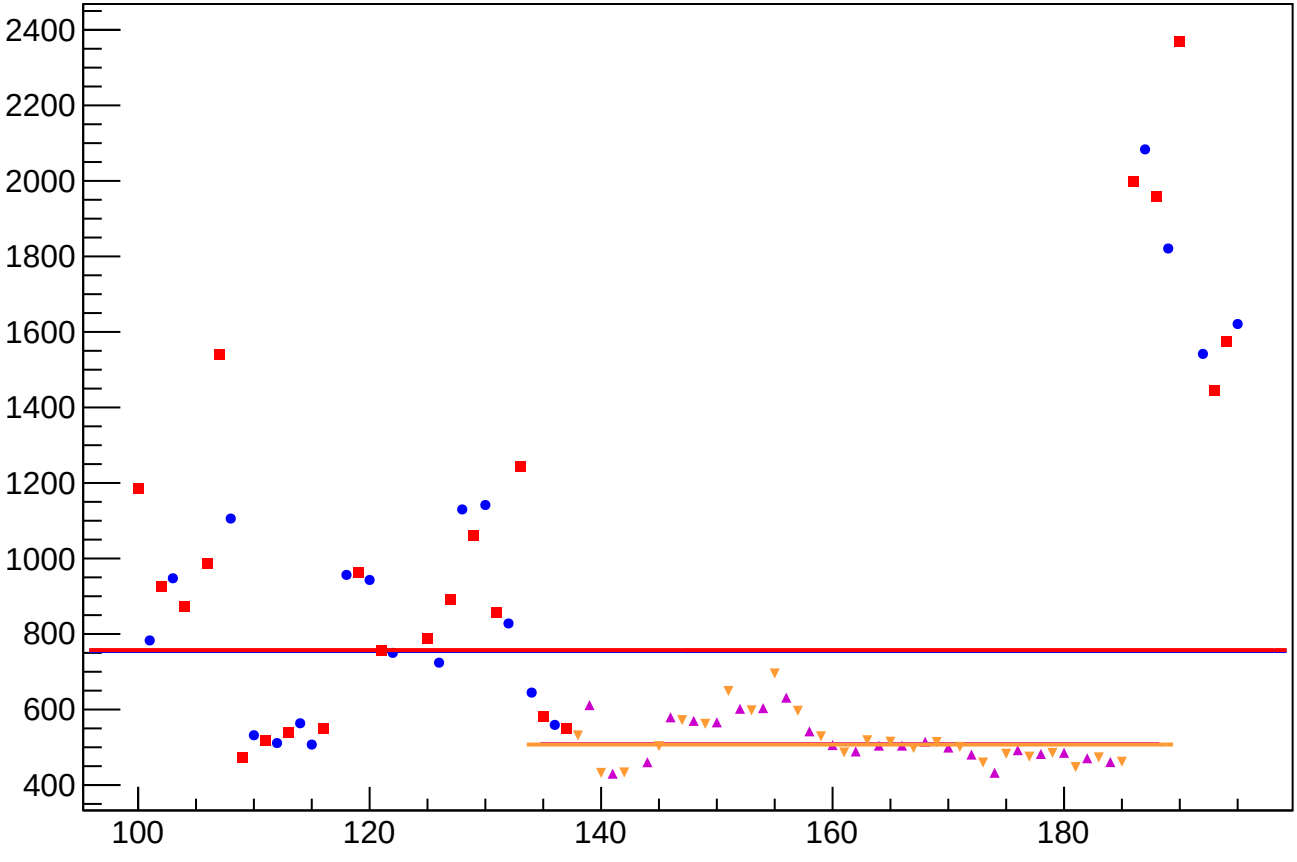
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -323.785+/-76.527 χ^2/NDF: 135.8/89

- sign -186.296+/-108.351 χ^2/NDF: 43.8/45

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: 757.455+/-0.180 χ^2/NDF: 3653817.1/22

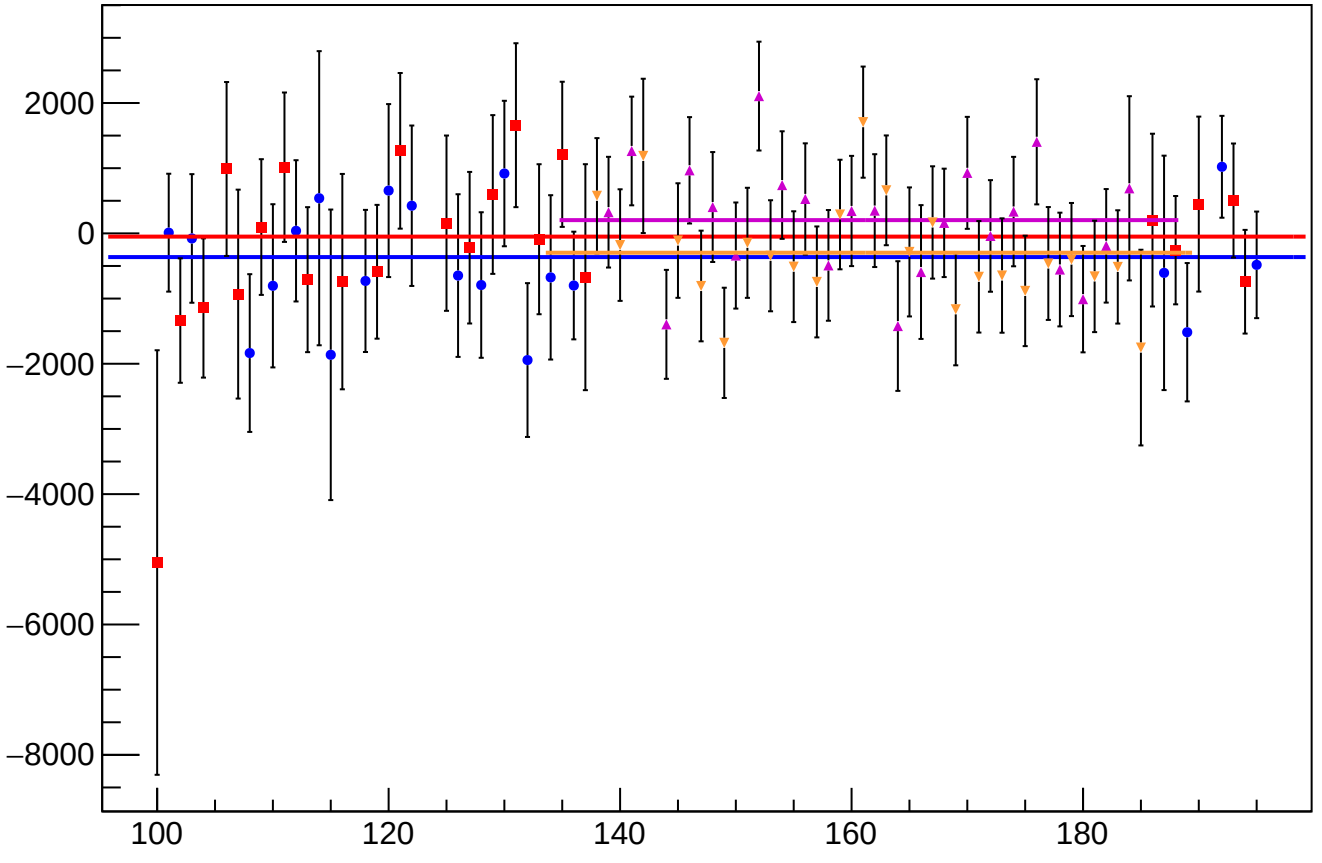
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

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

All: 551.712+/-0.054 χ^2/NDF: 10257747.5/89

- sign 553.503+/-0.077 χ^2/NDF: 5645062.7/45

eigen_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: -49.650+/-239.140 χ^2/NDF: 14.0/22

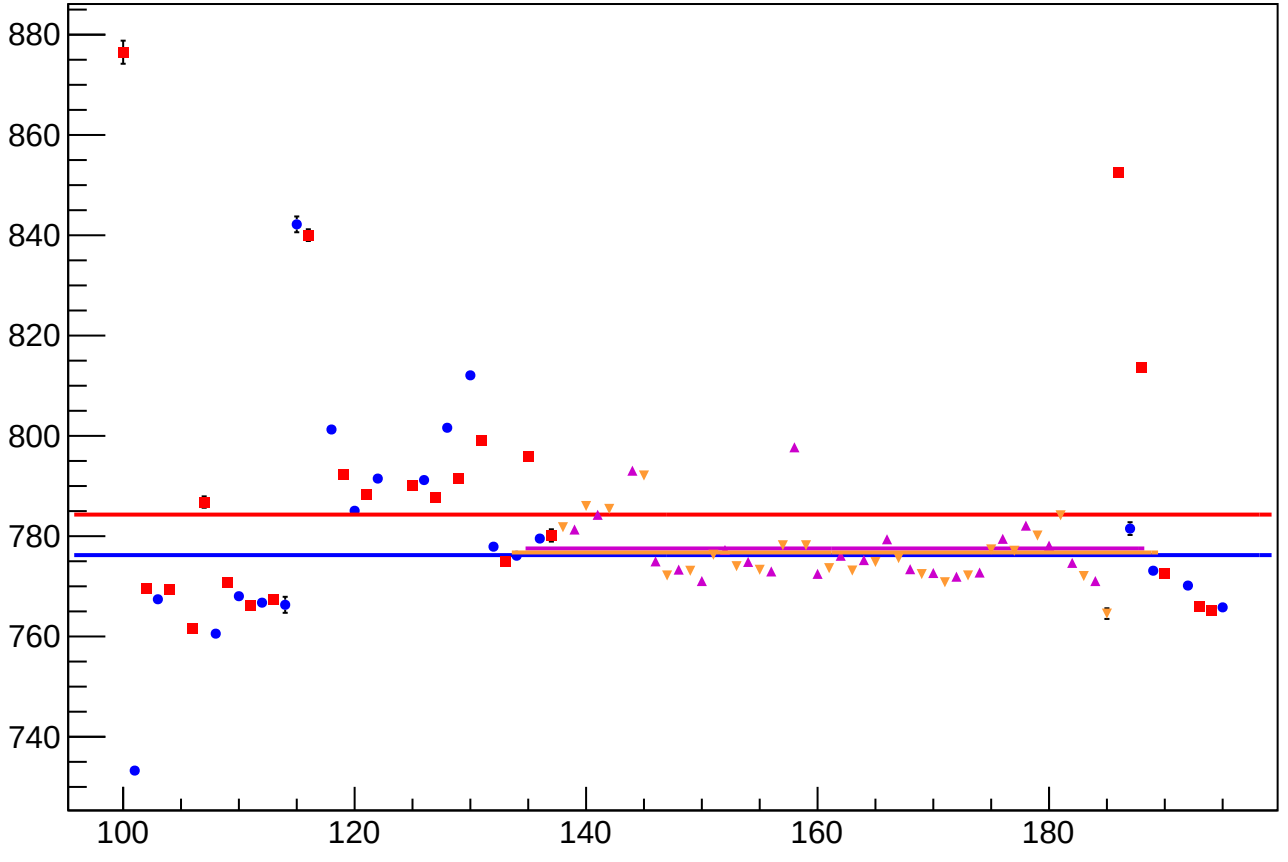
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

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

All: -102.791+/-102.663 χ^2/NDF: 69.7/89

- sign 110.841+/-144.599 χ^2/NDF: 36.8/45

eigen_dit_asym_us_dd_rms vs Slug



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

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

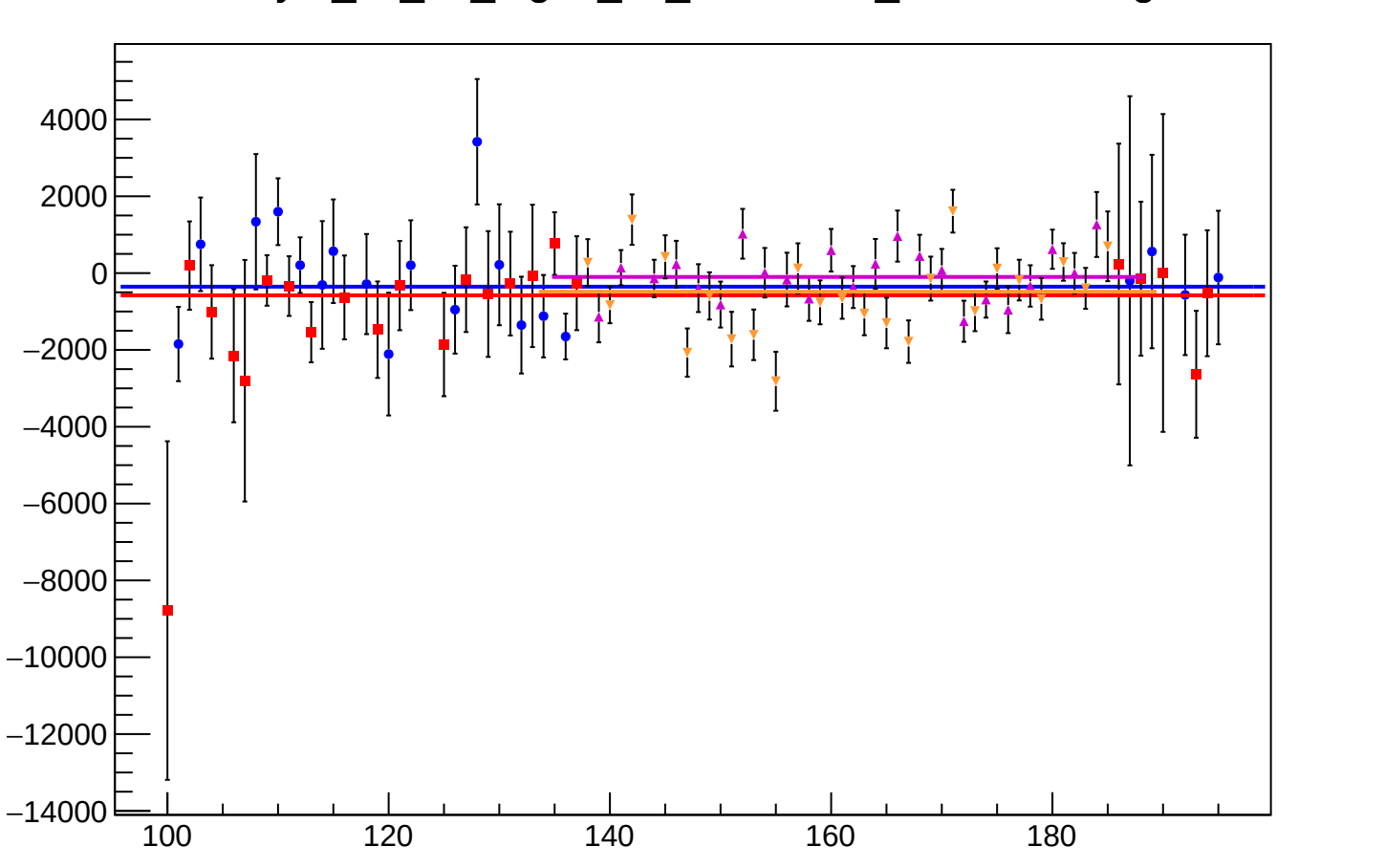
Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

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

All: 778.308+/-0.073 χ^2/NDF: 36079.0/89

- sign 780.019+/-0.102 χ^2/NDF: 21287.8/45



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: -578.660+/-255.166 χ^2/NDF: 13.5/22

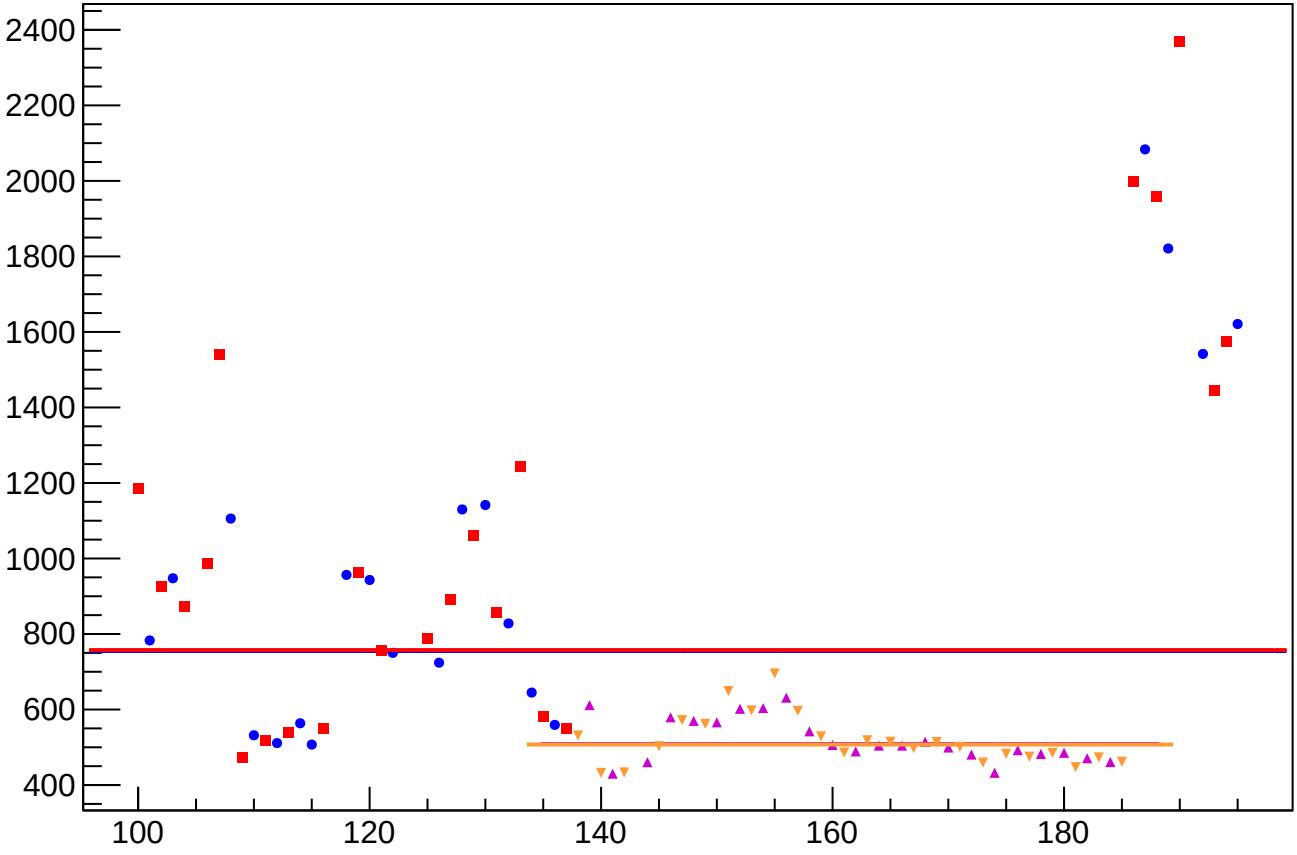
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -323.784+/-76.527 χ^2/NDF: 135.8/89

- sign -186.296+/-108.351 χ^2/NDF: 43.8/45

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: 757.451+/-0.180 χ^2/NDF: 3653844.7/22

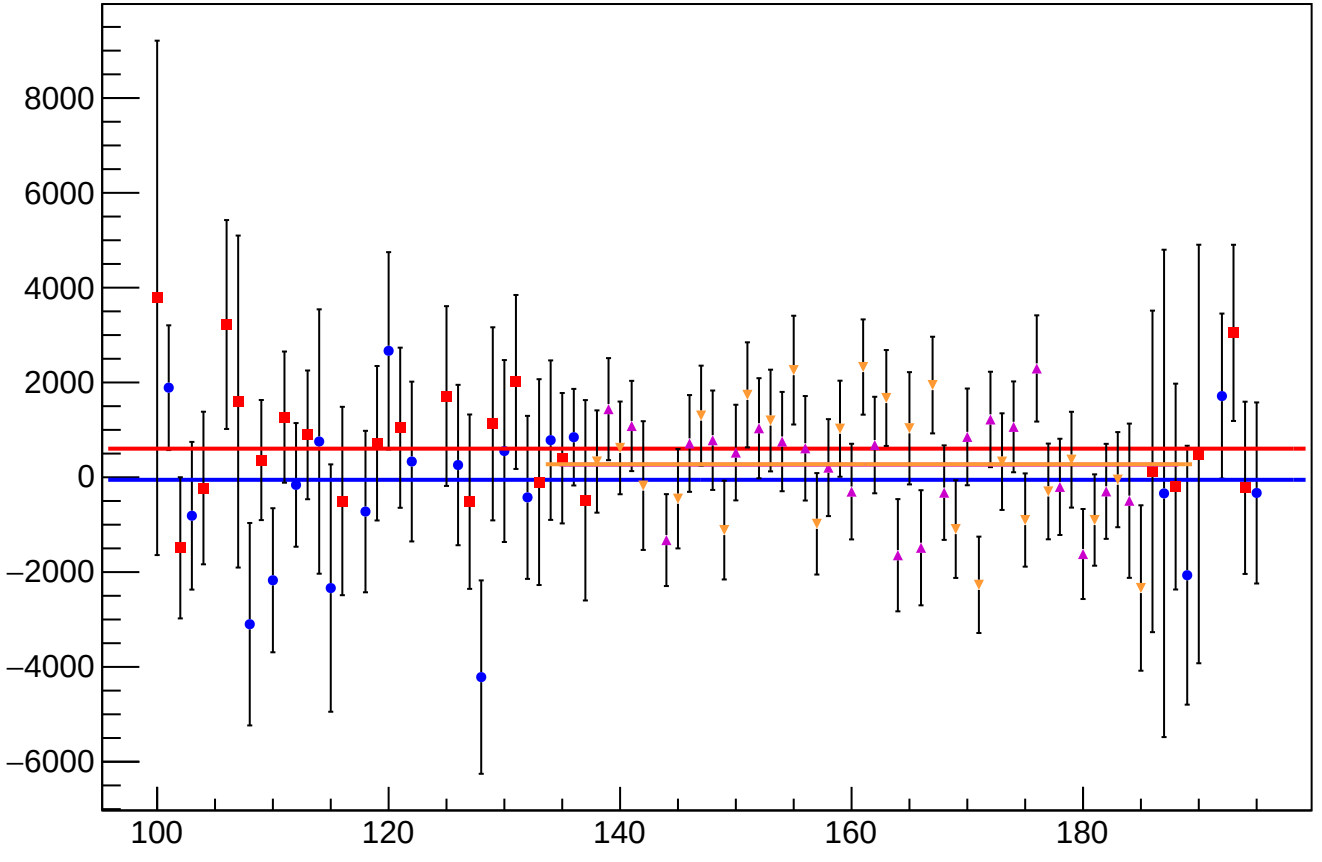
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

All: 551.711+/-0.054 χ^2/NDF: 10257749.4/89

- sign 553.502+/-0.077 χ^2/NDF: 5645070.9/45

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: 603.922+/-382.171 χ^2/NDF: 8.6/22

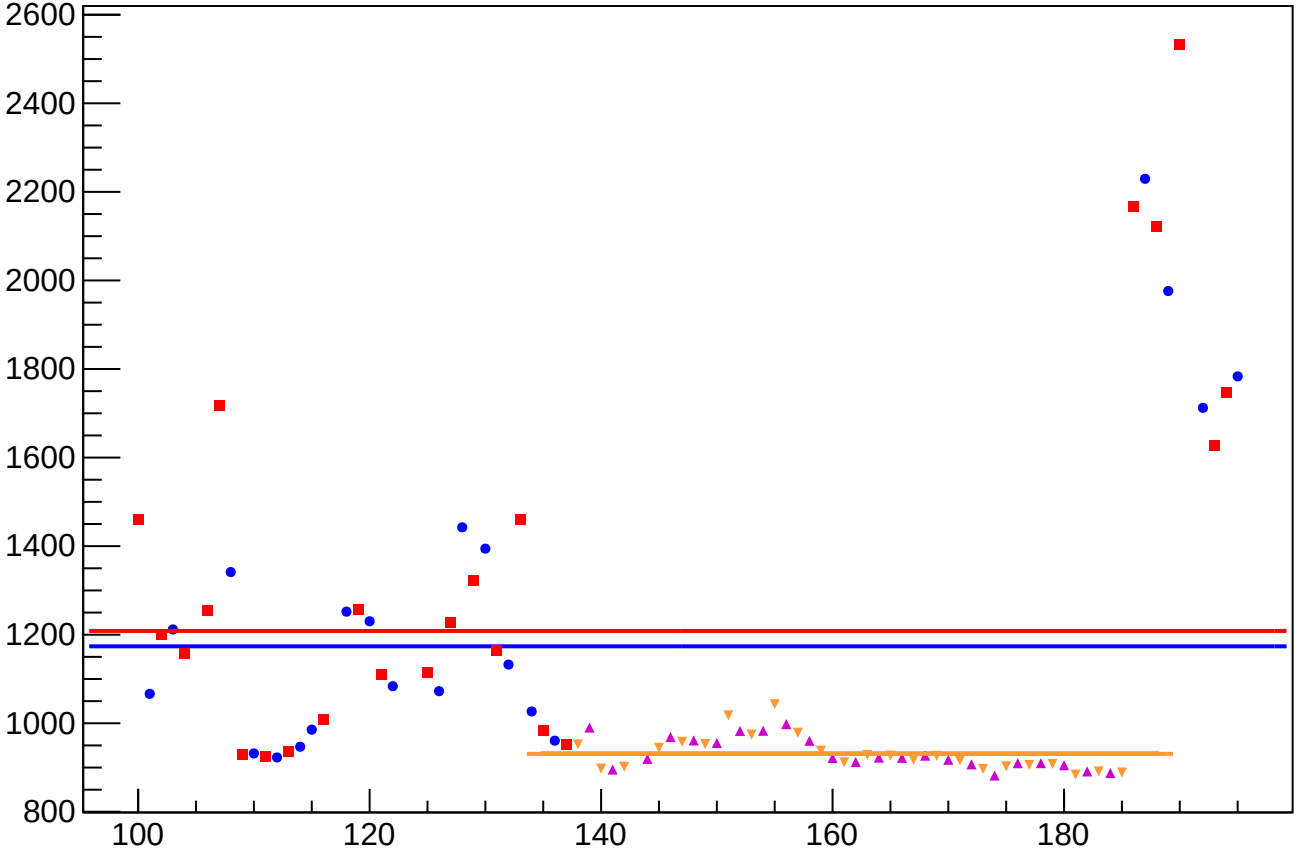
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 272.864+/-133.568 χ^2/NDF: 81.2/89

- sign 349.579+/-189.152 χ^2/NDF: 30.6/45

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

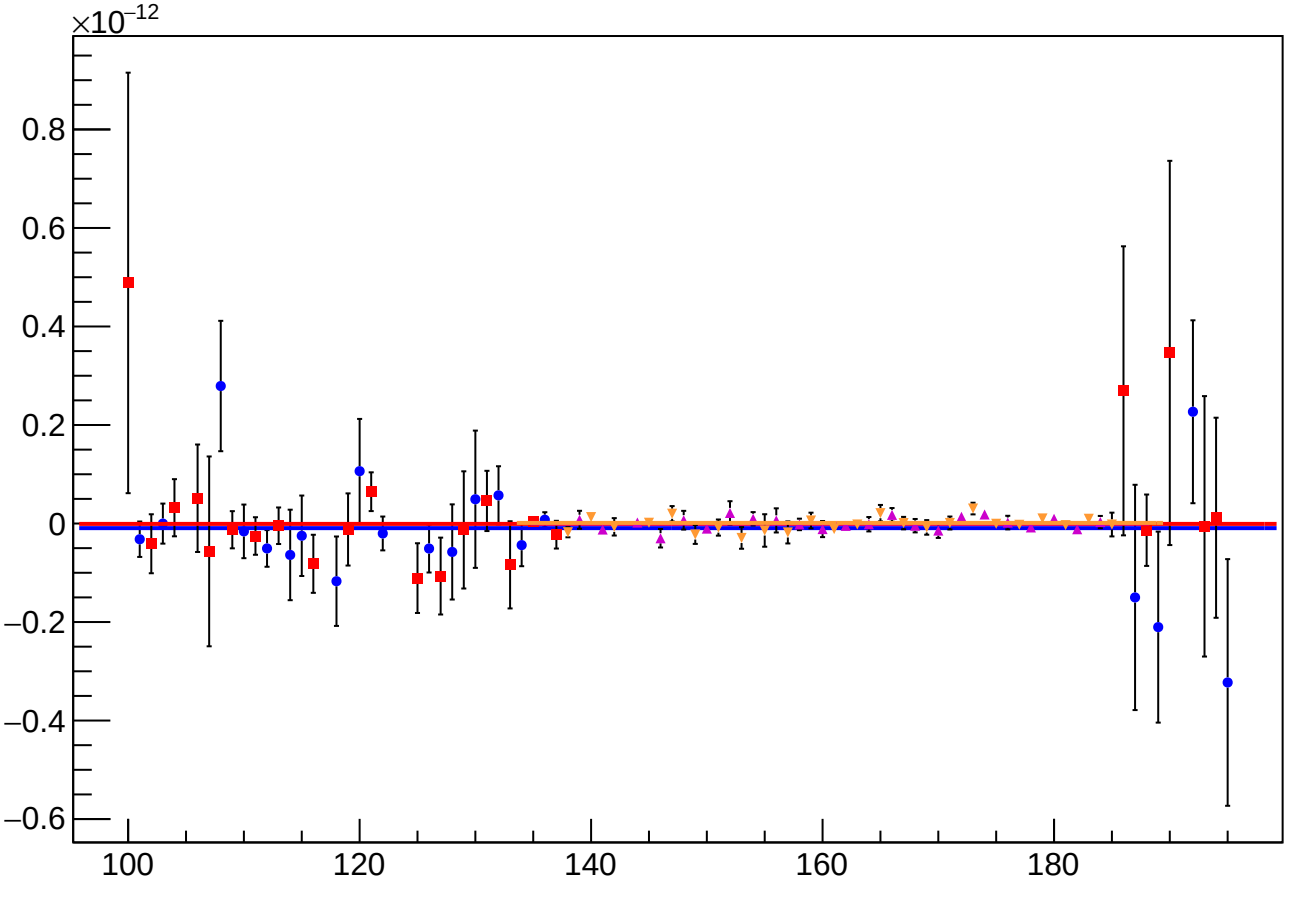
Right Out: 1208.534+/-0.270 χ^2/NDF: 1433083.0/22

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

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

All: 994.219+/-0.094 χ^2/NDF: 3954765.2/89

- sign 999.411+/-0.134 χ^2/NDF: 2275138.9/45



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

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

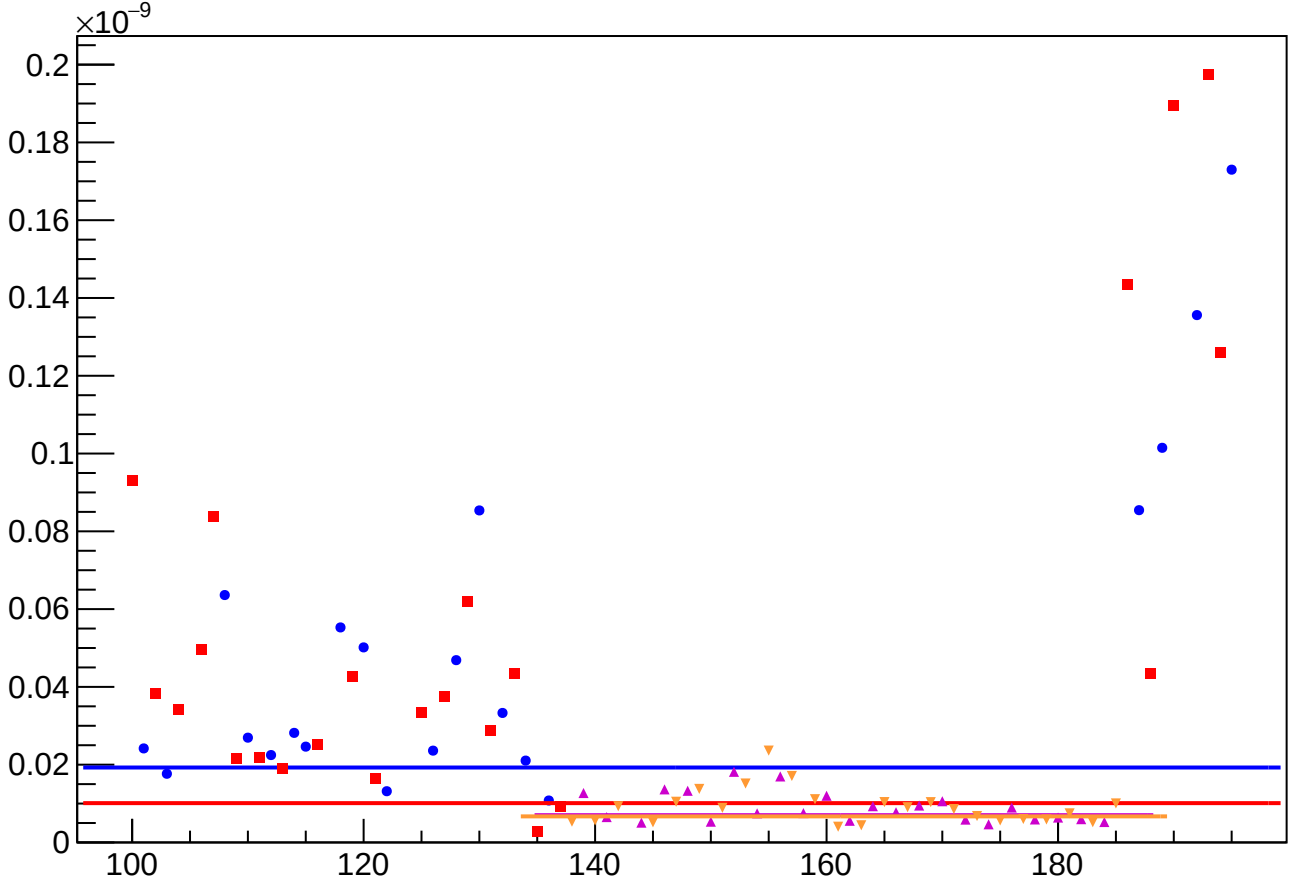
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/22

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: 83.4/89

- sign 0.000+/-0.000 χ^2/NDF: 38.1/45



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

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

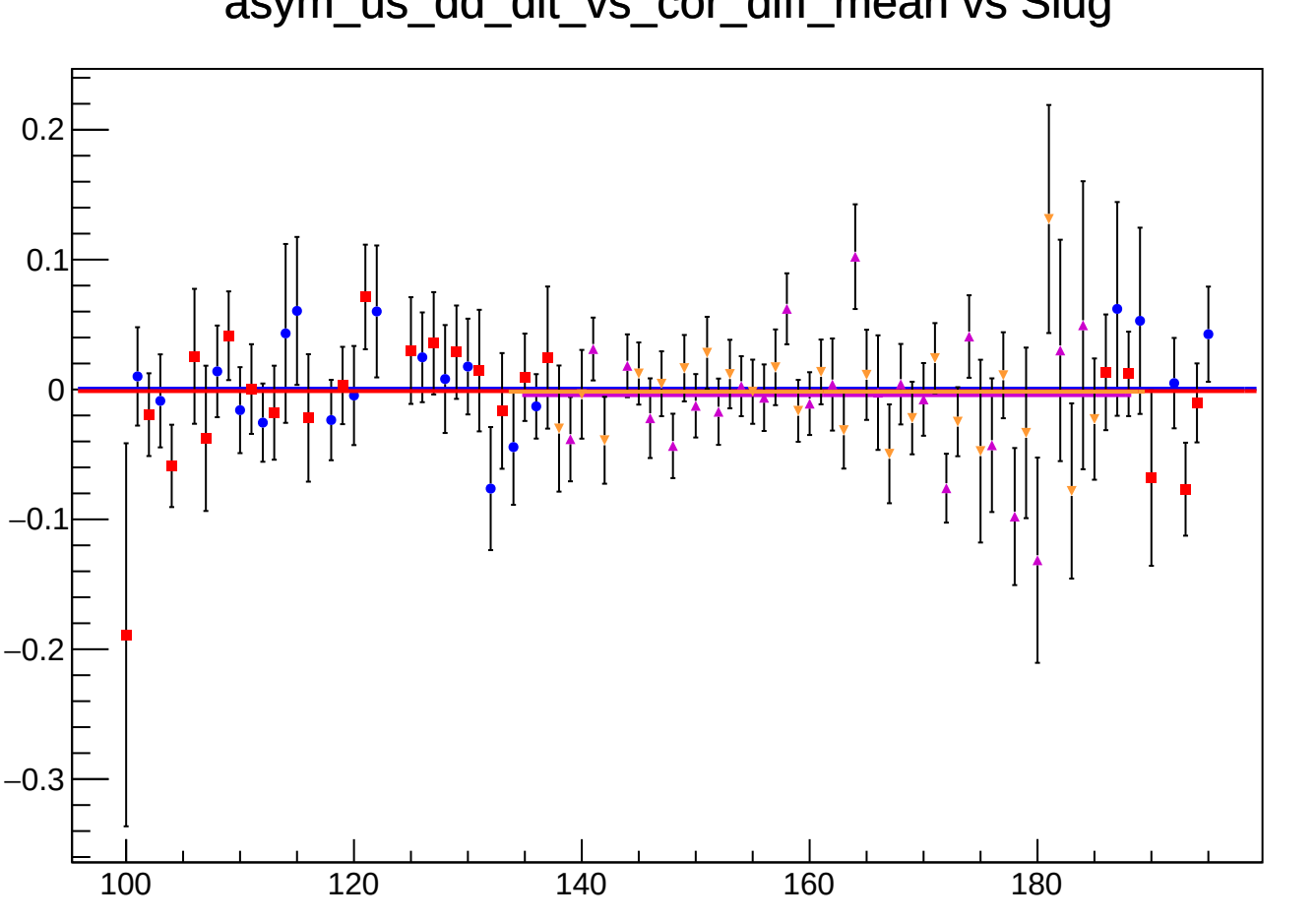
Right Out: 0.000+/-0.000 χ^2/NDF: 8077748.5/22

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: 21004482.1/89

- sign 0.000+/-0.000 χ^2/NDF: 10851150.4/45



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: -0.001+/-0.008 χ^2/NDF: 19.6/22

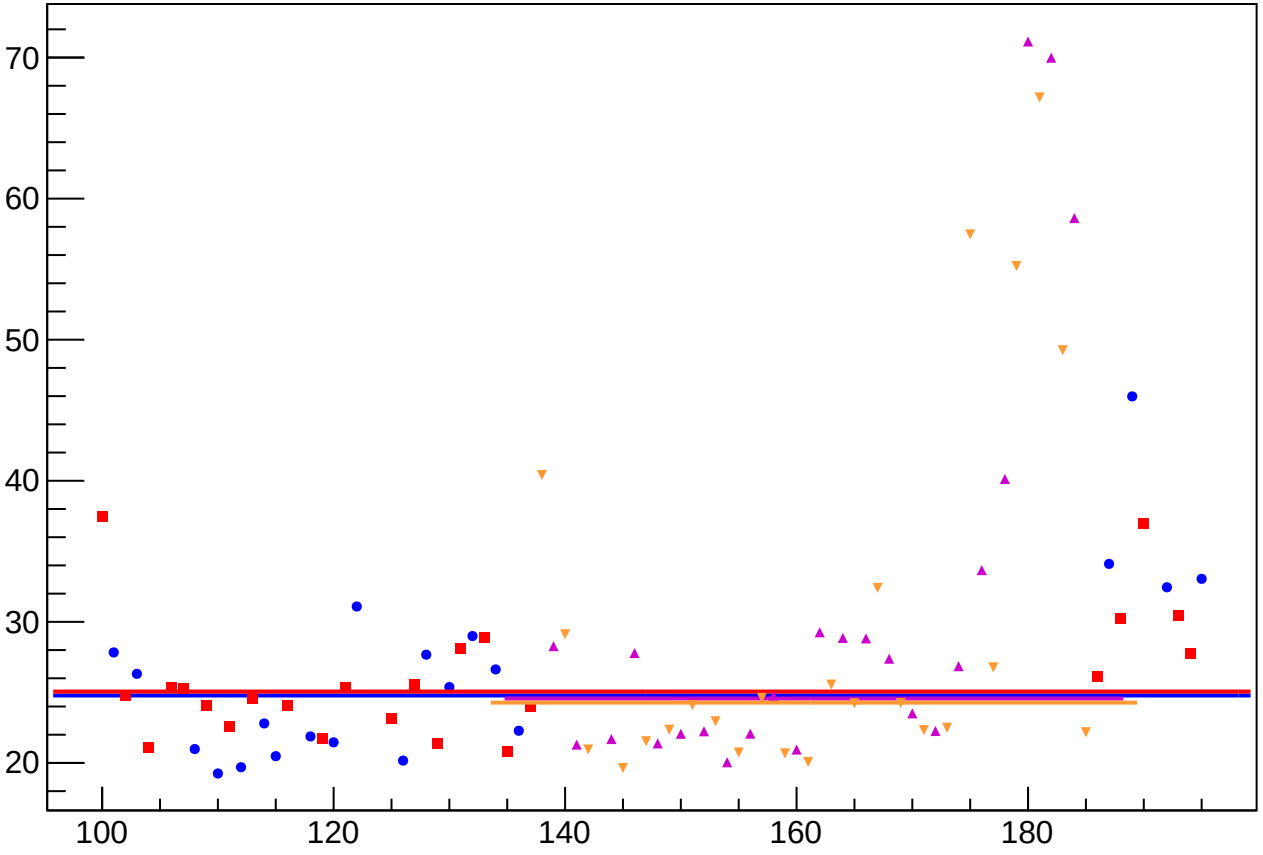
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 82.9/89

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

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

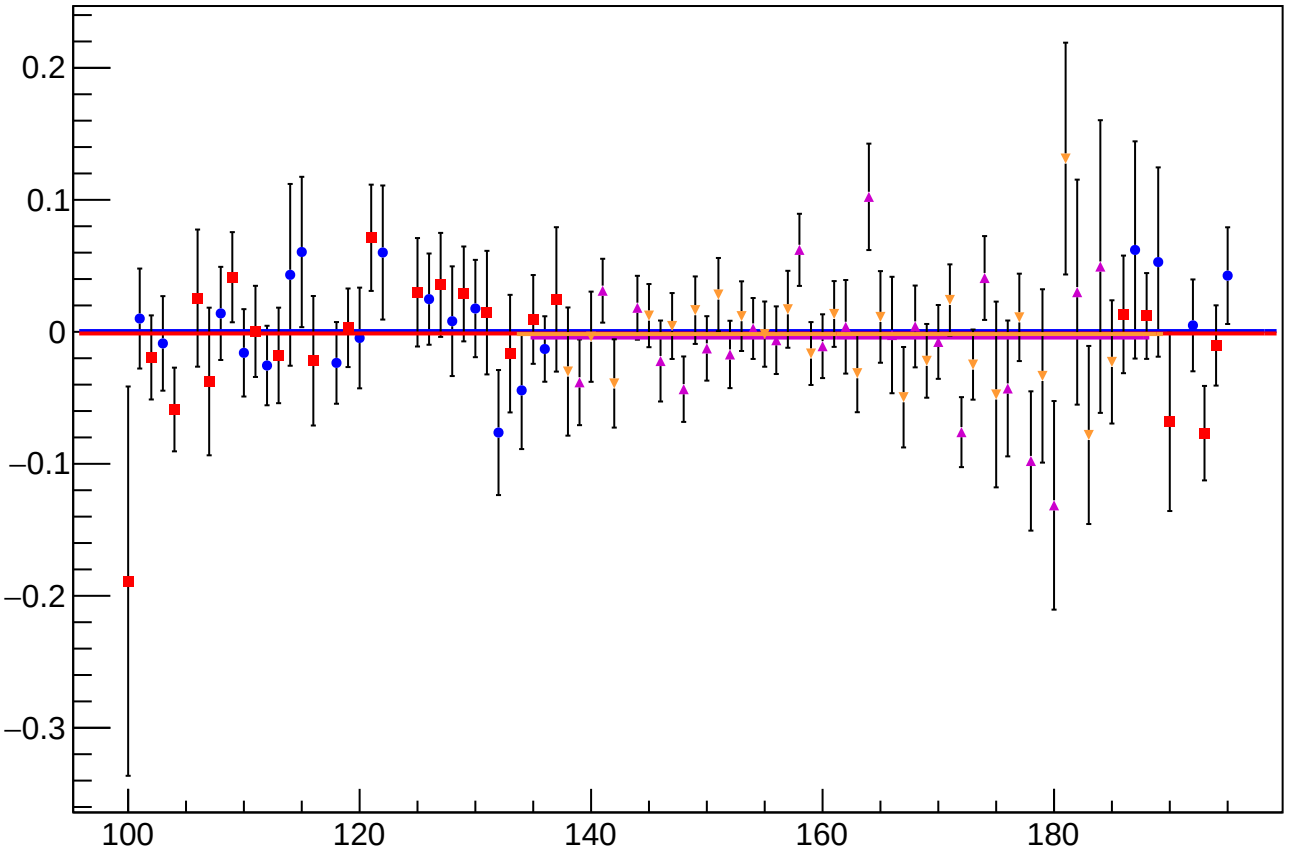
Right Out: 25.059+/-0.006 χ^2/NDF: 341881.7/22

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

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

All: 24.605+/-0.003 χ^2/NDF: 5512228.6/89

- sign 24.753+/-0.004 χ^2/NDF: 2479359.8/45



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: -0.001+/-0.008 χ^2/NDF: 19.6/22

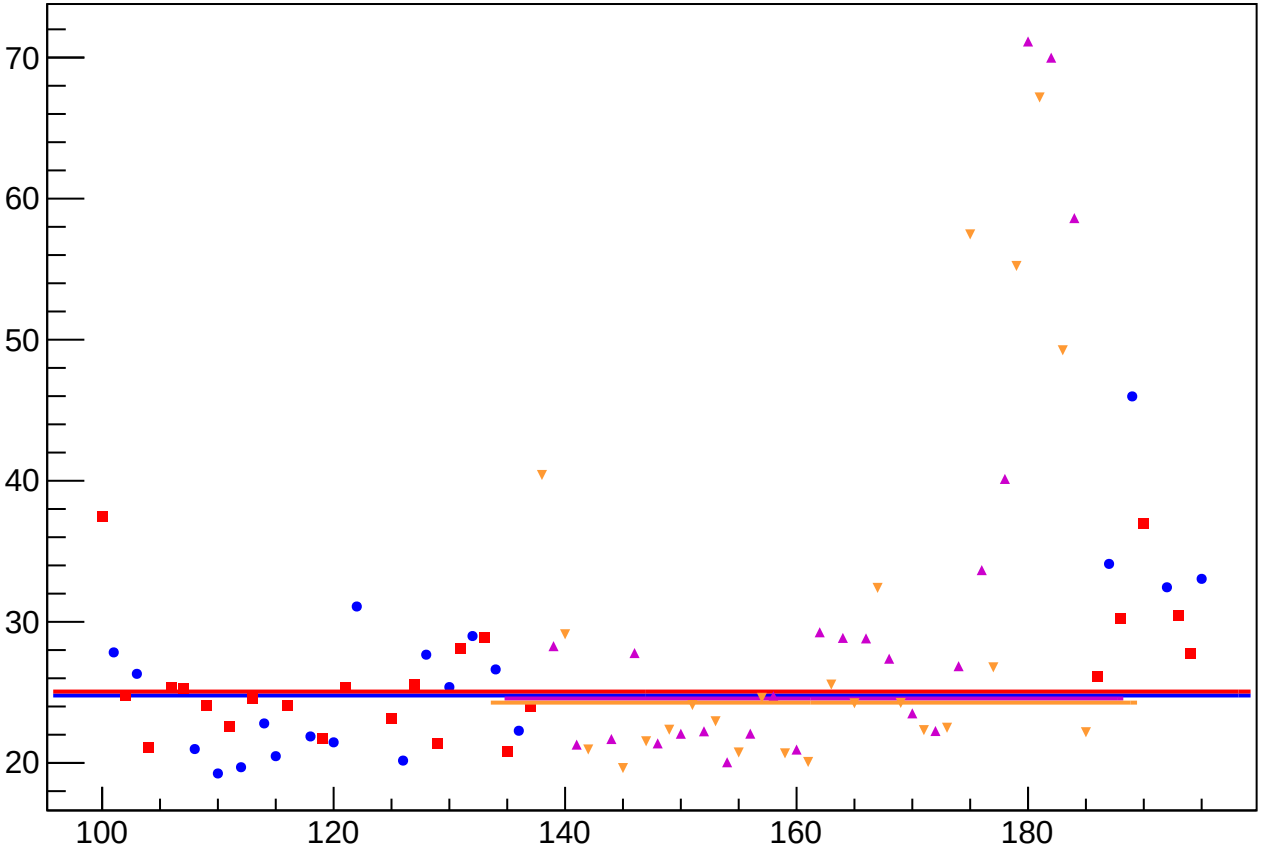
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 82.9/89

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

asym_us_dd_dit_vs_eigen_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: 25.059+/-0.006 χ^2/NDF: 341881.7/22

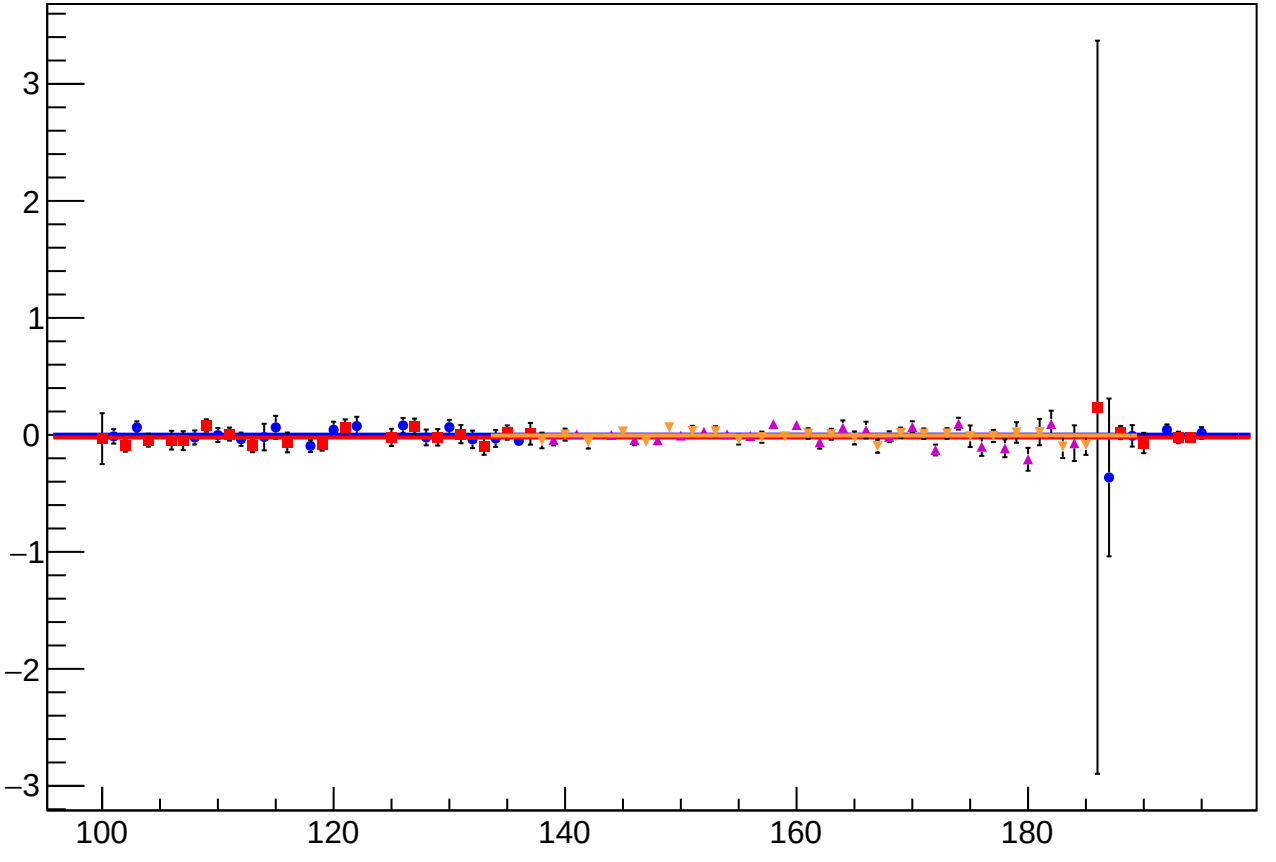
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

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

All: 24.605+/-0.003 χ^2/NDF: 5512228.6/89

- sign 24.753+/-0.004 χ^2/NDF: 2479359.8/45

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: -0.022+/-0.013 χ^2/NDF: 16.3/22

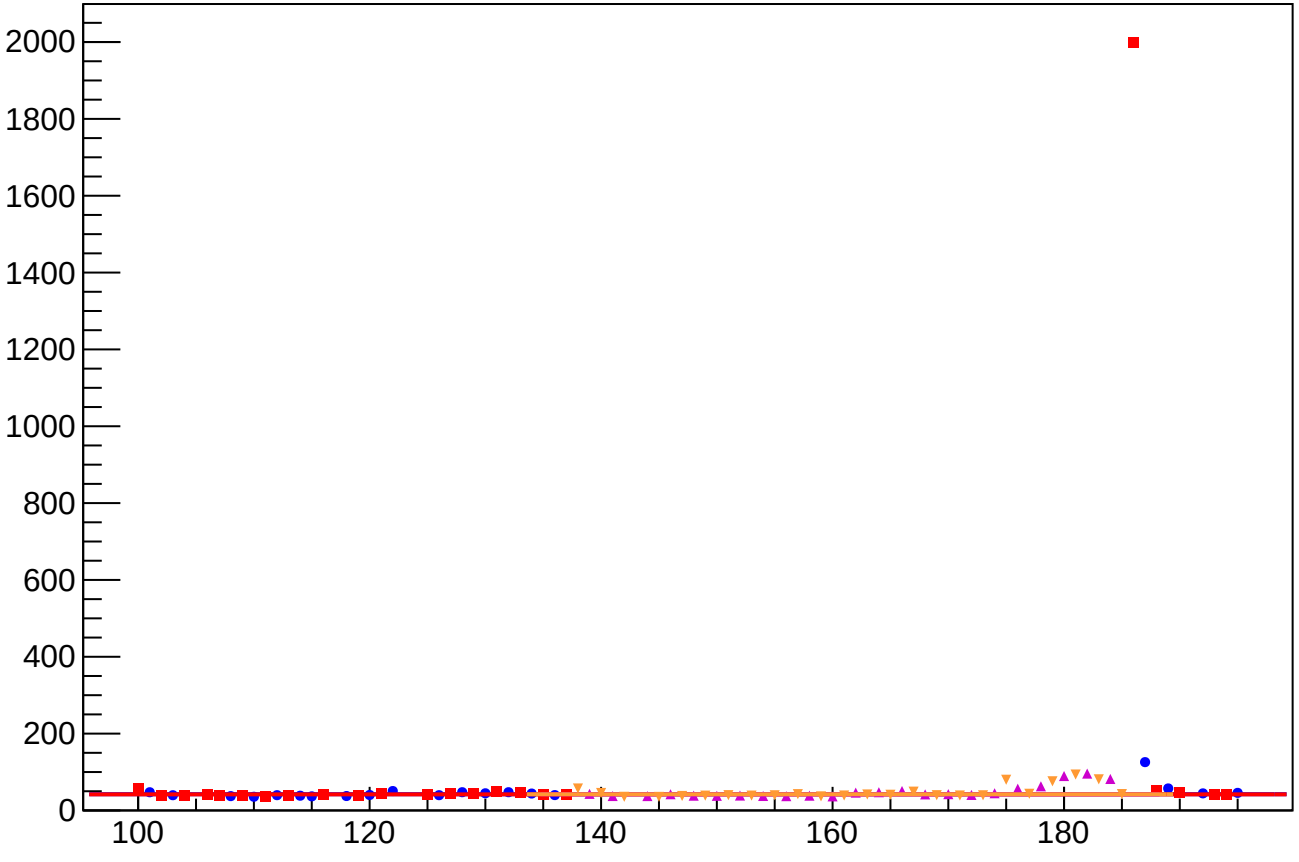
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 83.1/89

- sign -0.008+/-0.008 χ^2/NDF: 55.9/45

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

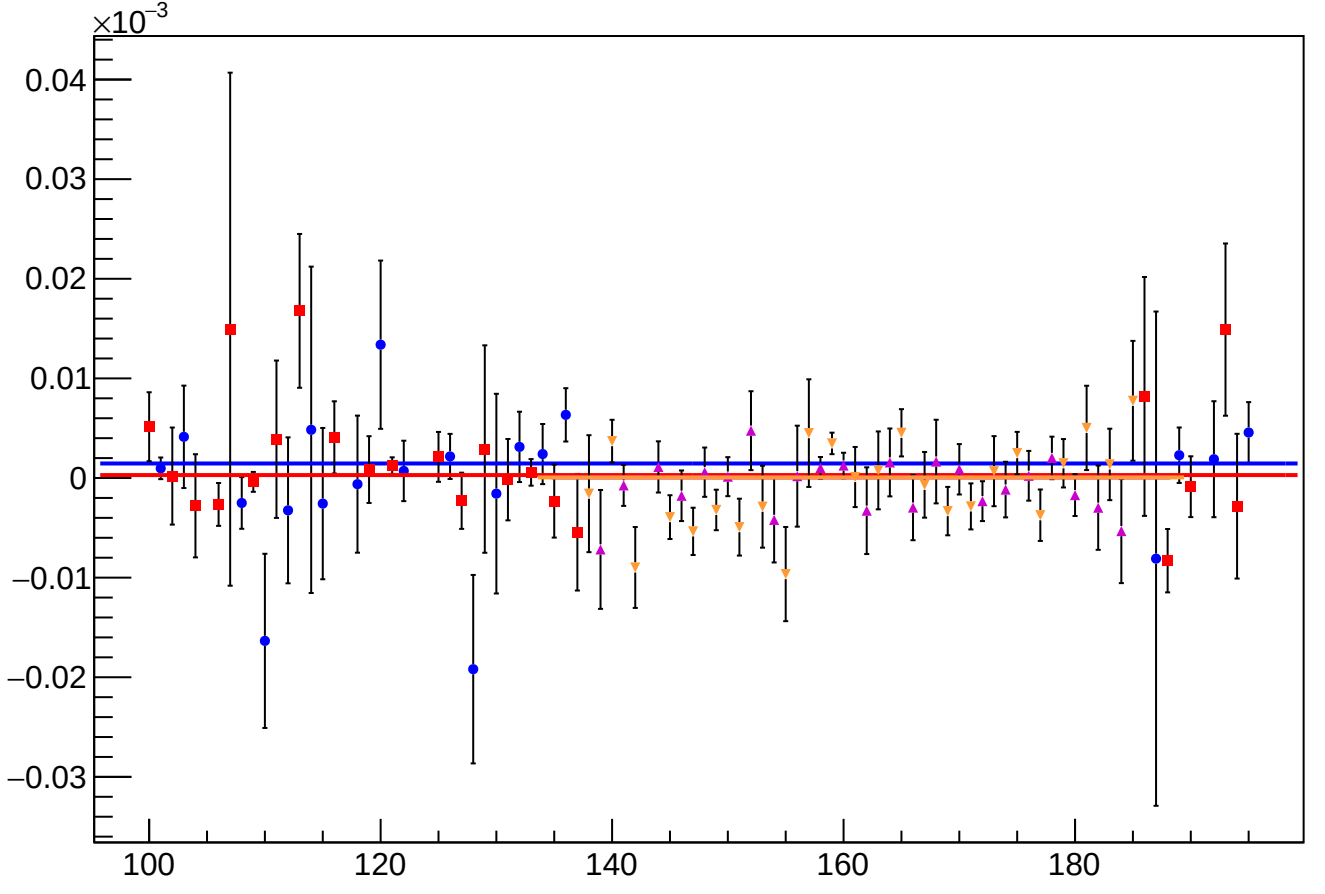
Right Out: 41.895+/-0.009 χ^2/NDF: 951400.7/22

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

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

All: 42.088+/-0.004 χ^2/NDF: 4454378.0/89

- sign 42.009+/-0.006 χ^2/NDF: 2495137.6/45



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: 26.0/22

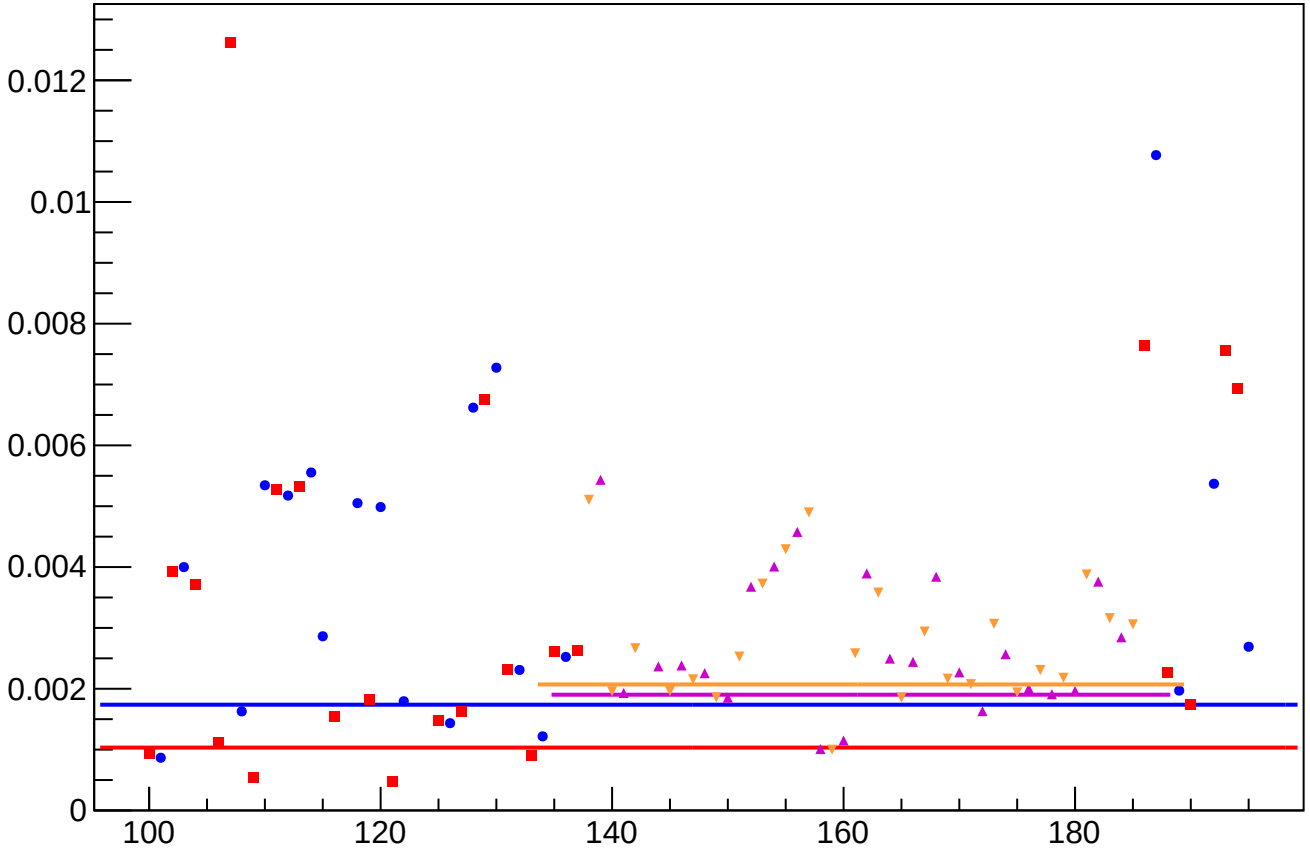
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/43

All: 0.000+/-0.000 χ^2/NDF: 113.6/89

- sign 0.000+/-0.000 χ^2/NDF: 39.2/45

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6086387.3/19

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

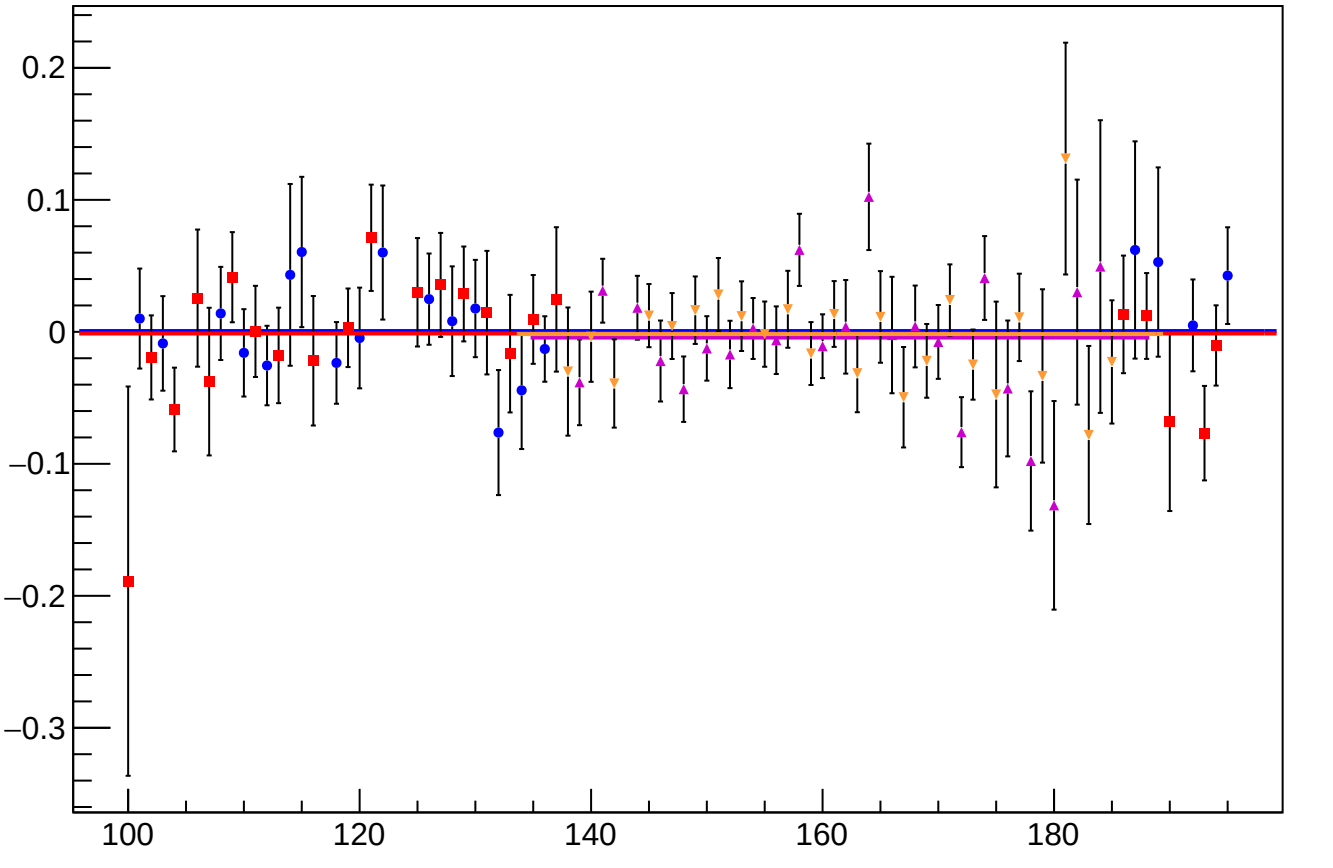
Right Out: 0.001+/-0.000 χ^2/NDF: 9354495.5/22

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

+ sign 0.002+/-0.000 χ^2/NDF: 11639460.1/43

All: 0.002+/-0.000 χ^2/NDF: 31746815.0/89

- sign 0.001+/-0.000 χ^2/NDF: 18459855.6/45



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: -0.001+/-0.008 χ^2/NDF: 19.6/22

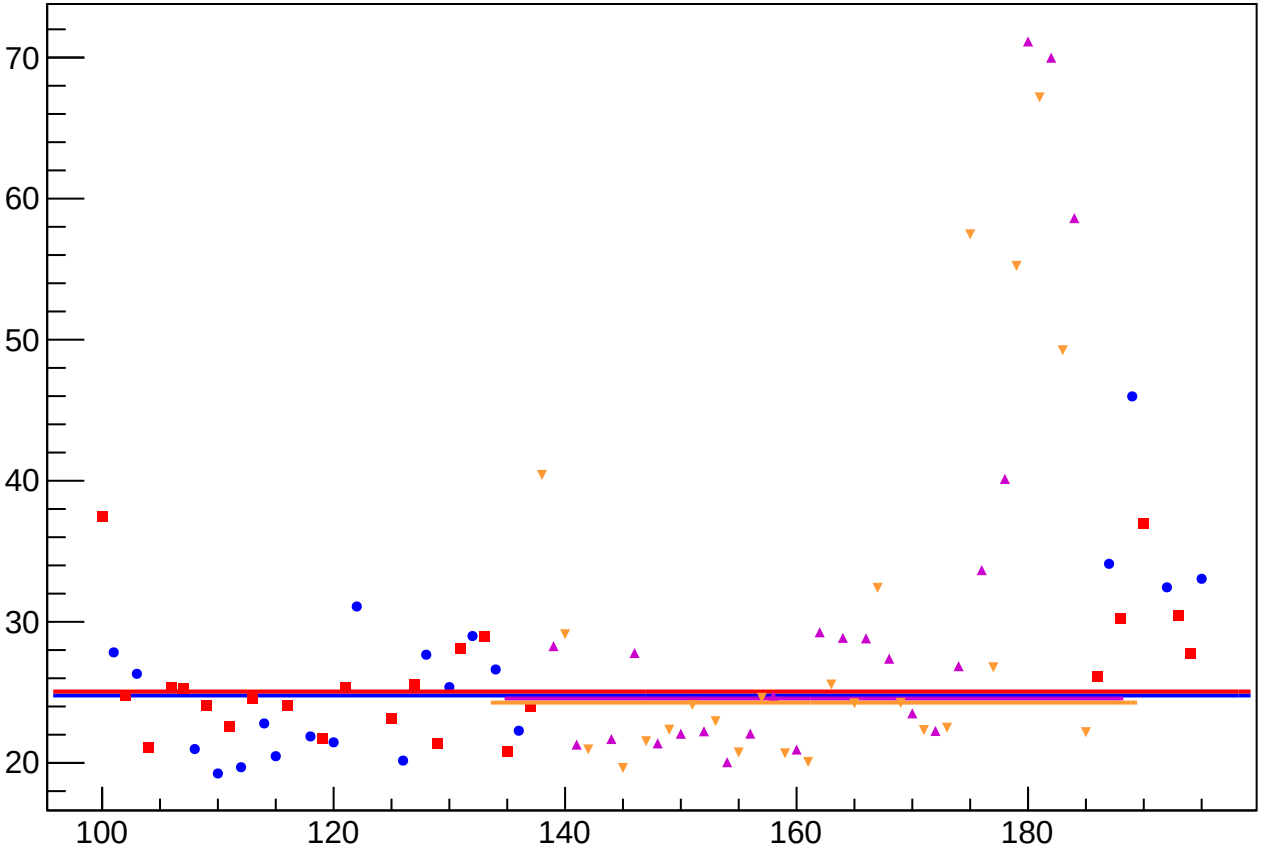
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 82.9/89

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

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

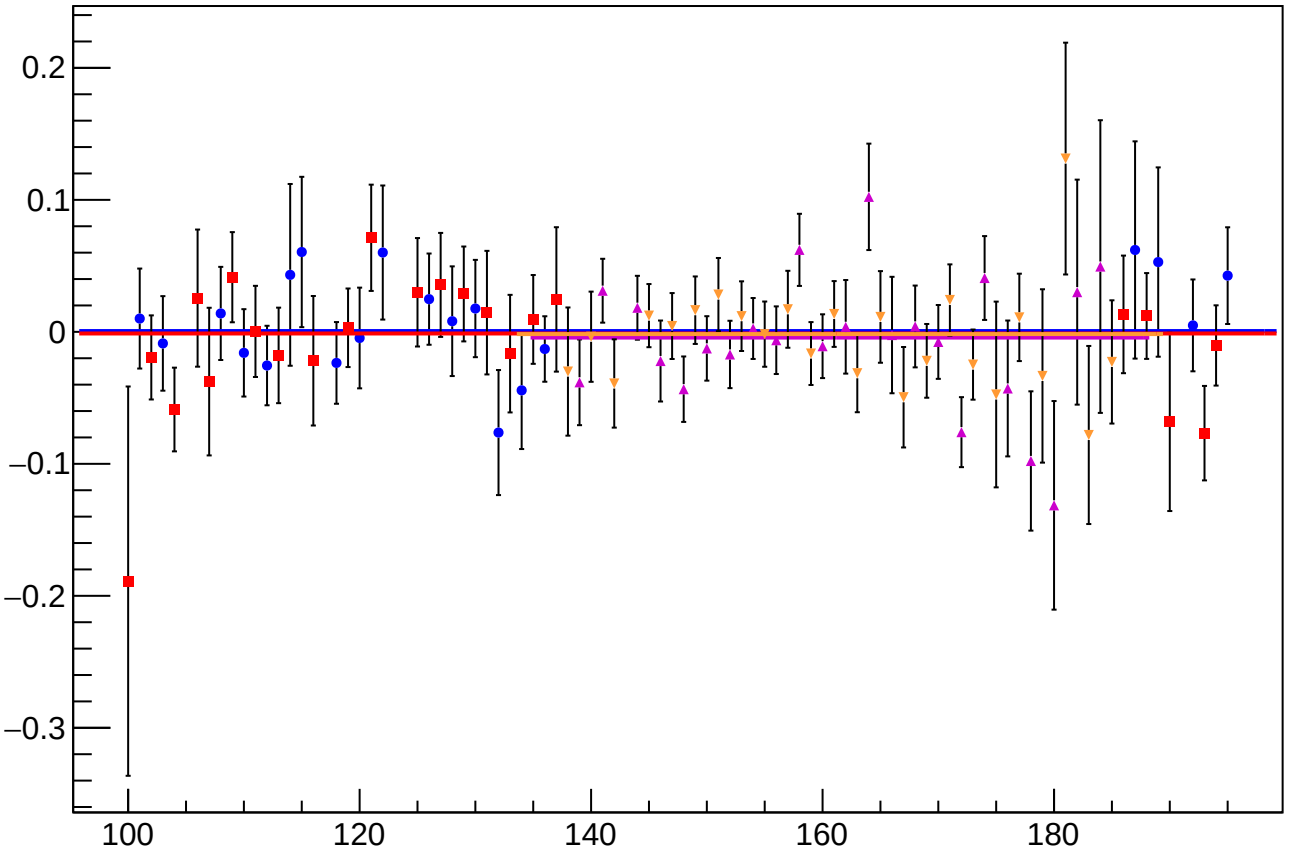
Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

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

All: 24.605+/-0.003 χ^2/NDF: 5512022.0/89

- sign 24.753+/-0.004 χ^2/NDF: 2479118.8/45



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

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

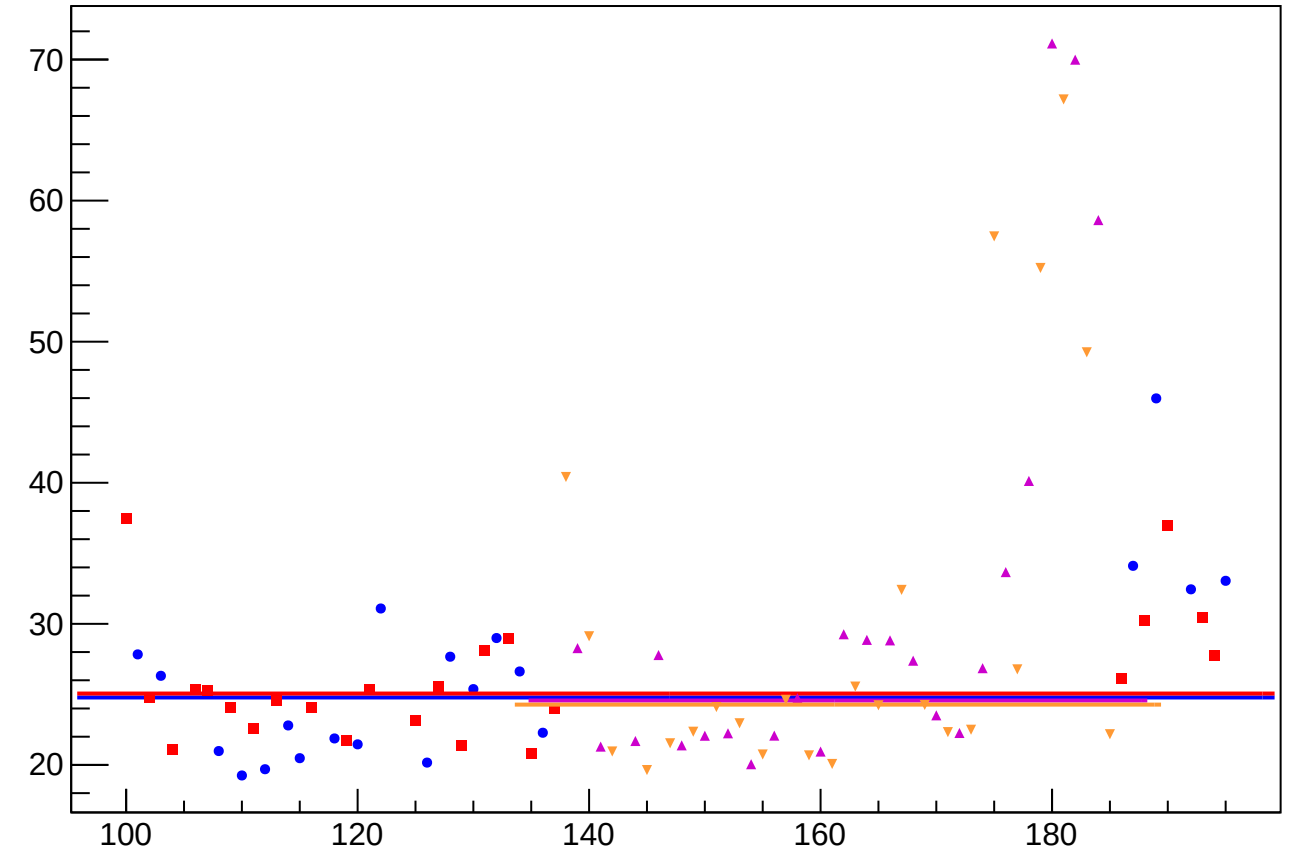
Right Out: -0.001+/-0.008 χ^2/NDF: 19.6/22

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: 82.9/89

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45



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

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

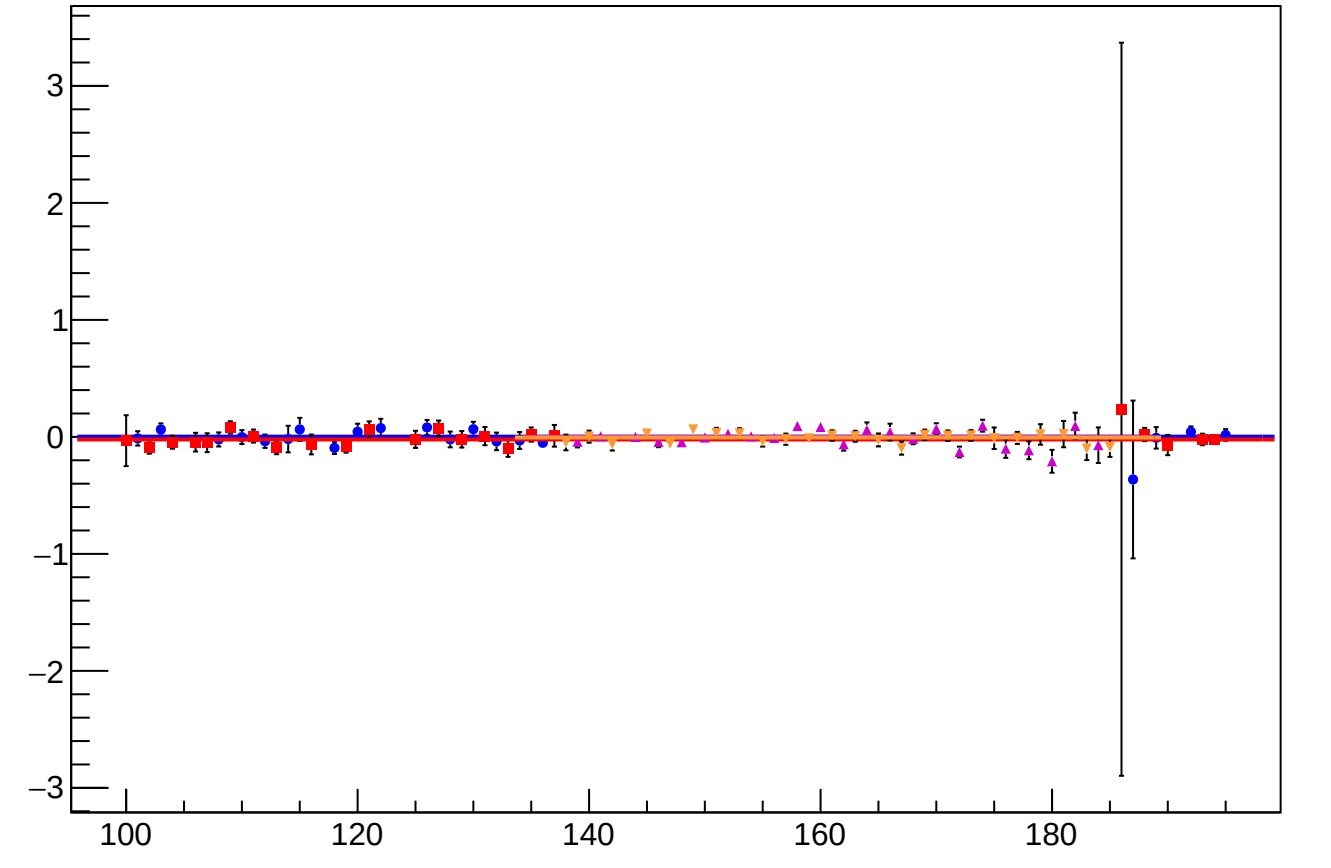
Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

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

All: 24.605+/-0.003 χ^2/NDF: 5512022.0/89

- sign 24.753+/-0.004 χ^2/NDF: 2479118.8/45



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: -0.022+/-0.013 χ^2/NDF: 16.3/22

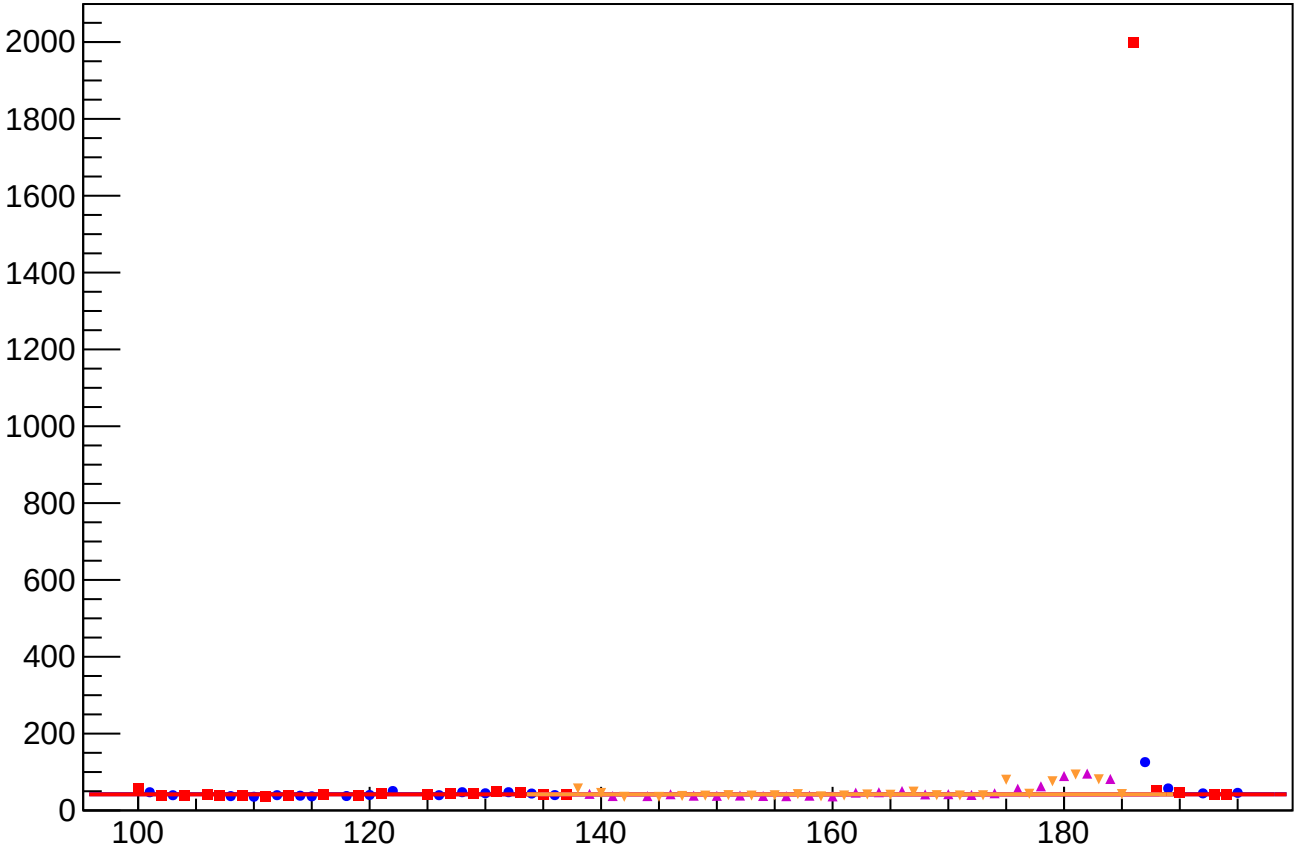
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 83.1/89

- sign -0.008+/-0.008 χ^2/NDF: 55.9/45

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

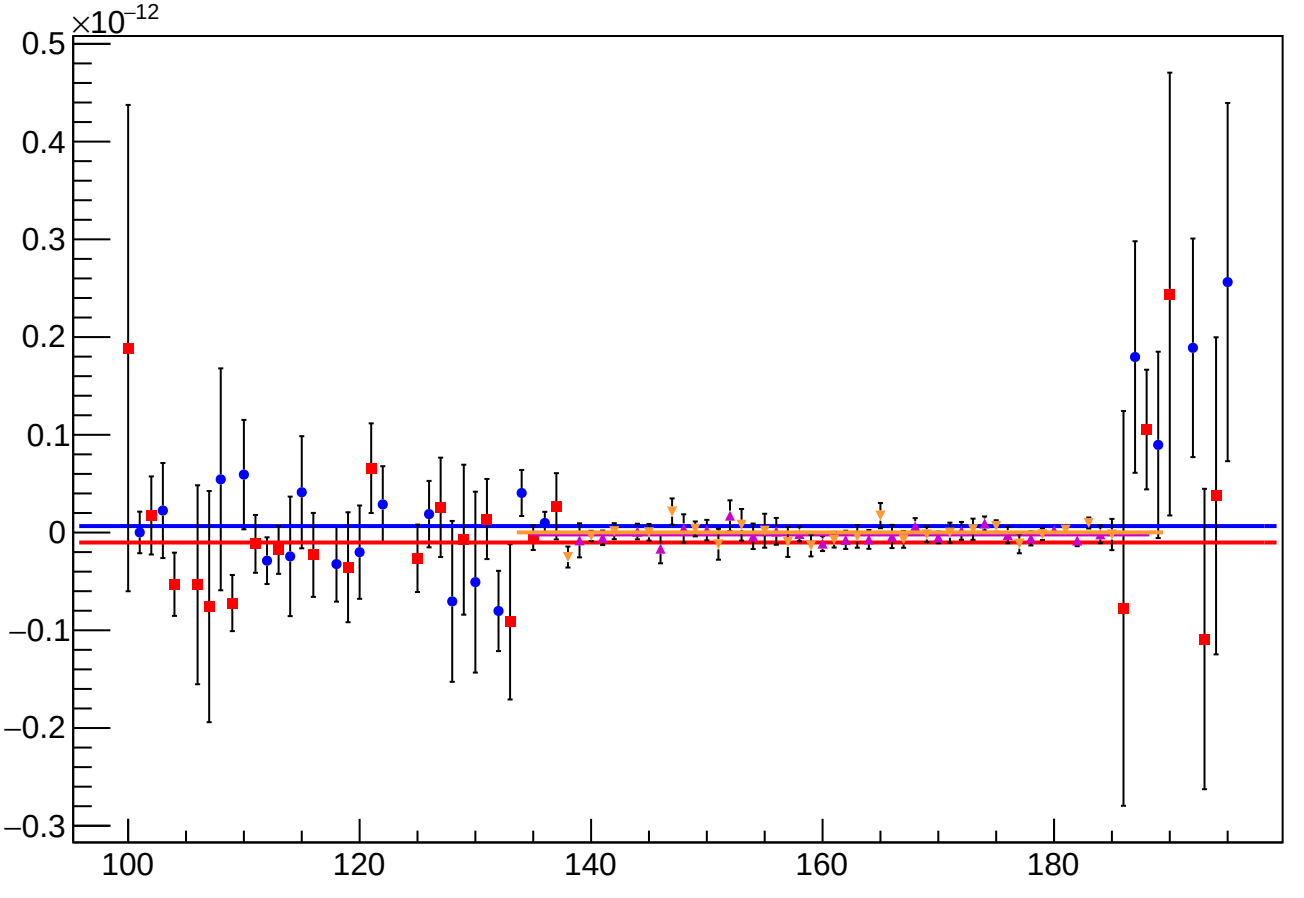
Right Out: 41.895+/-0.009 χ^2/NDF: 951389.7/22

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

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

All: 42.088+/-0.004 χ^2/NDF: 4454311.9/89

- sign 42.009+/-0.006 χ^2/NDF: 2495103.0/45



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

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

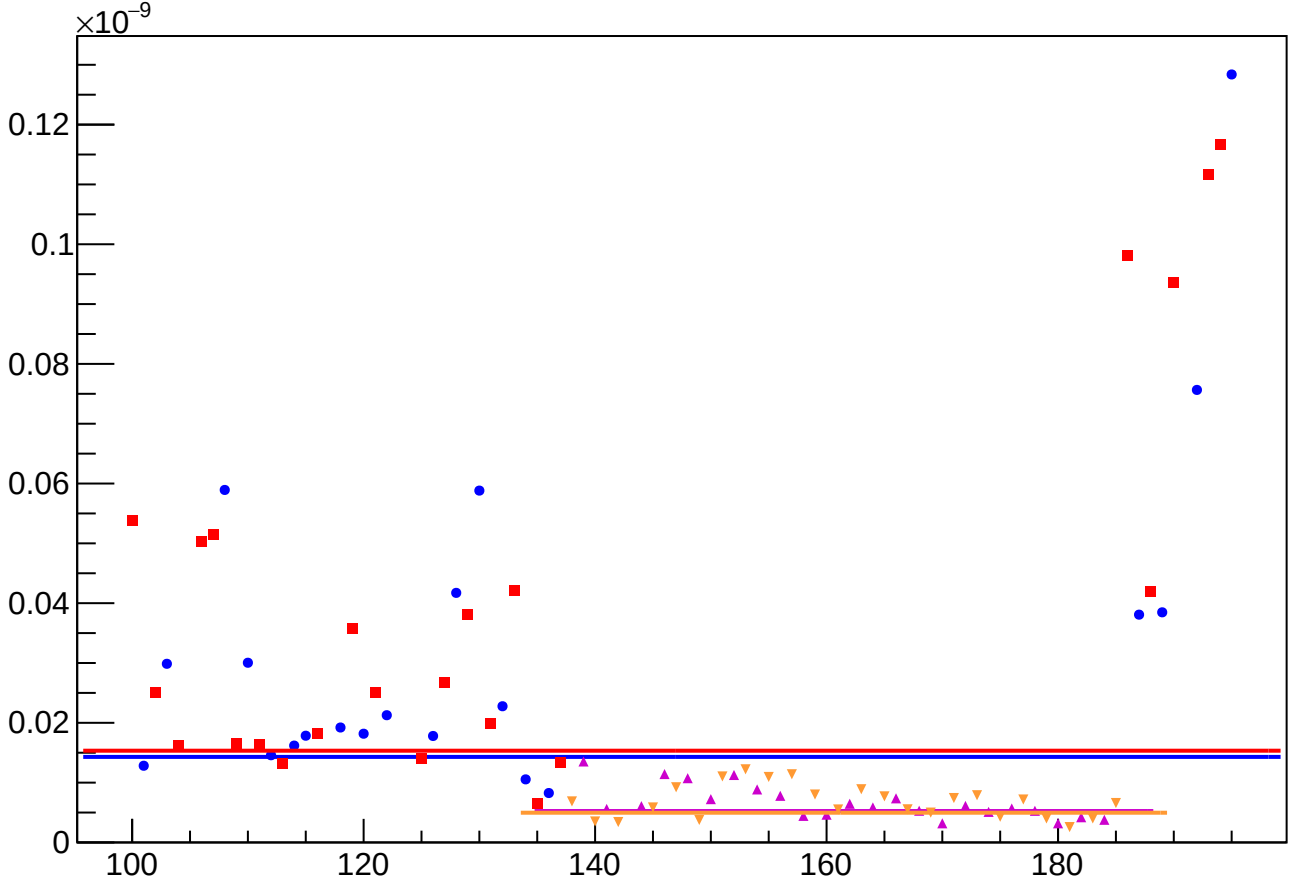
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/22

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: 77.4/89

- sign -0.000+/-0.000 χ^2/NDF: 32.9/45



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: 5032573.9/22

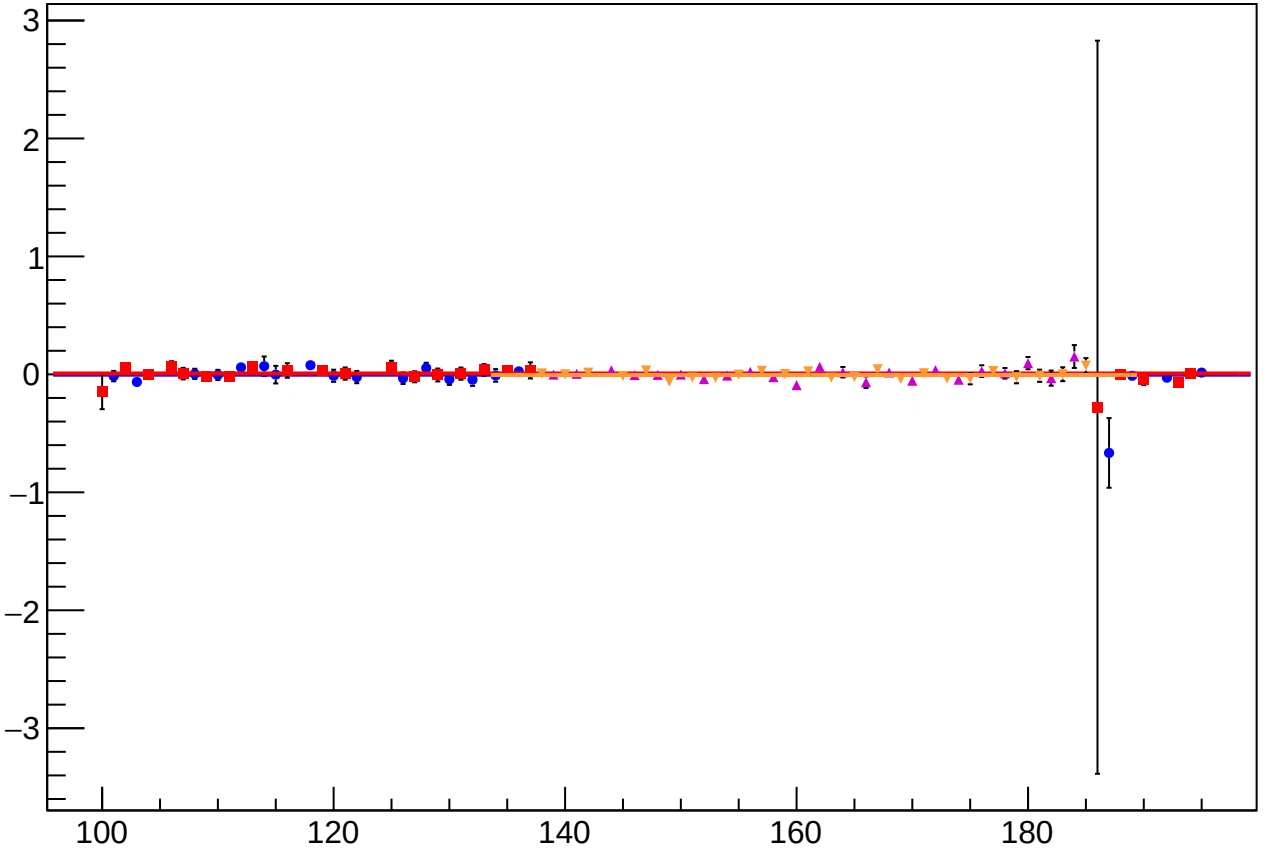
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

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

All: 0.000+/-0.000 χ^2/NDF: 21370016.1/89

- sign 0.000+/-0.000 χ^2/NDF: 10919016.3/45

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: 0.008+/-0.009 χ^2/NDF: 18.7/22

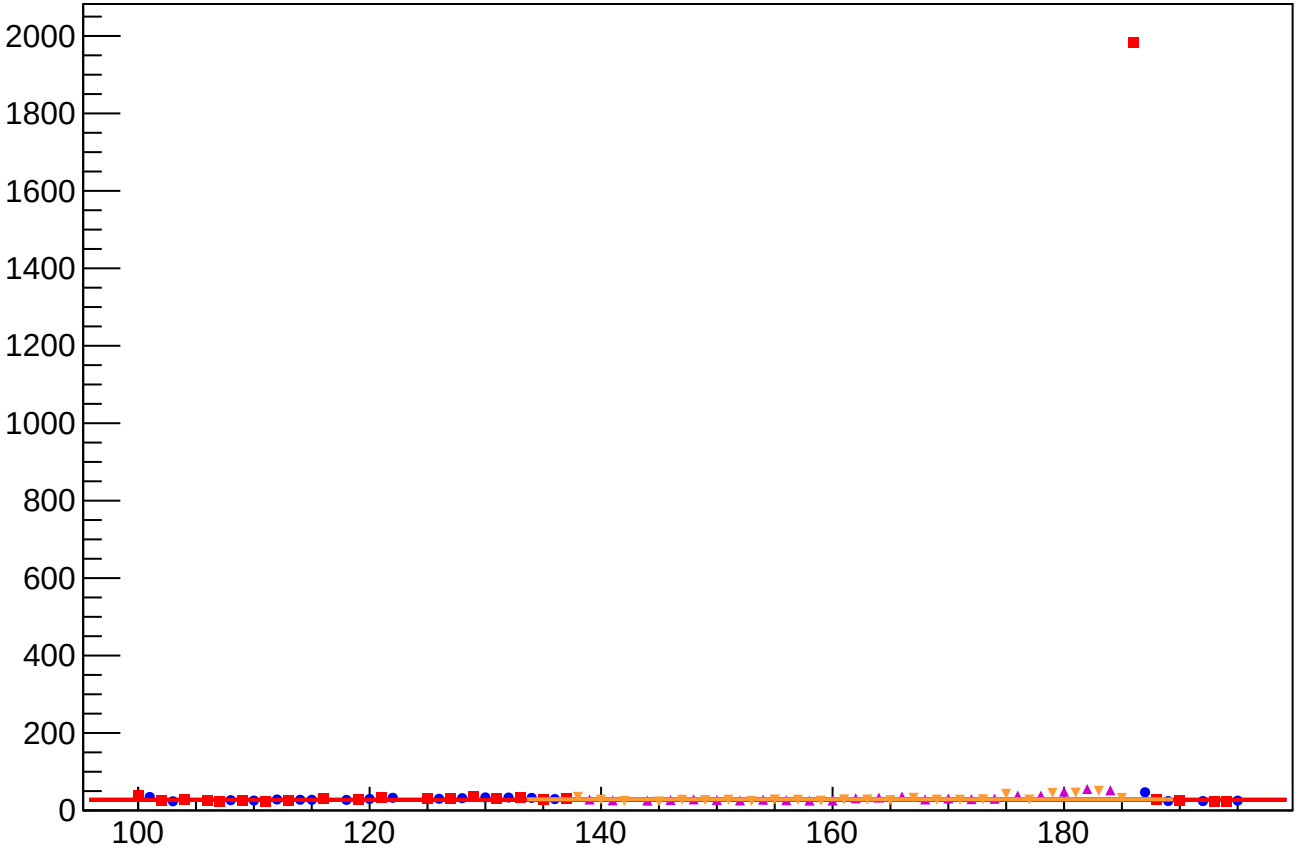
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 90.0/89

- sign 0.001+/-0.006 χ^2/NDF: 51.0/45

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

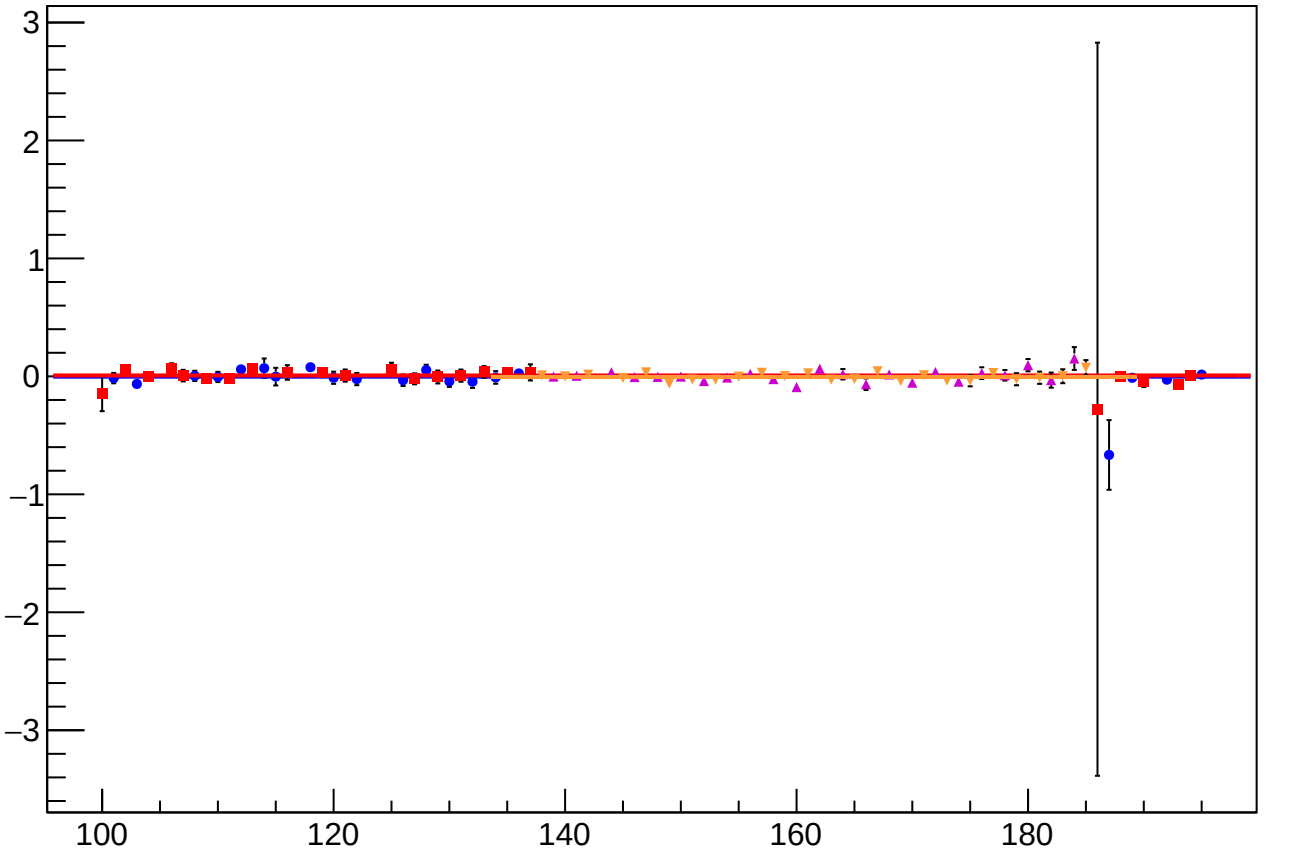
Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

All: 28.426+/-0.003 χ^2/NDF: 3728307.9/89

- sign 28.422+/-0.004 χ^2/NDF: 2259589.6/45



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: 0.008+/-0.009 χ^2/NDF: 18.7/22

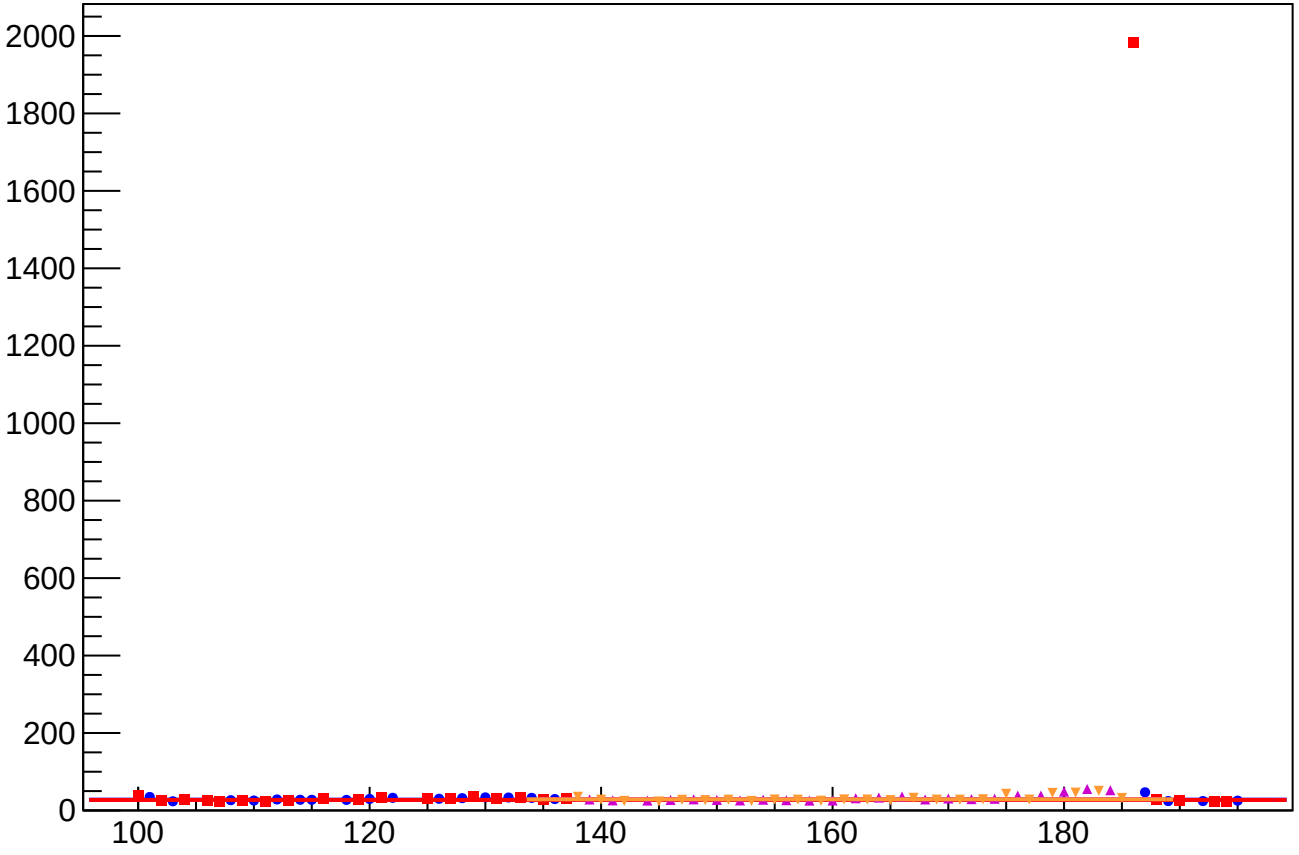
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 90.0/89

- sign 0.001+/-0.006 χ^2/NDF: 51.0/45

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: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

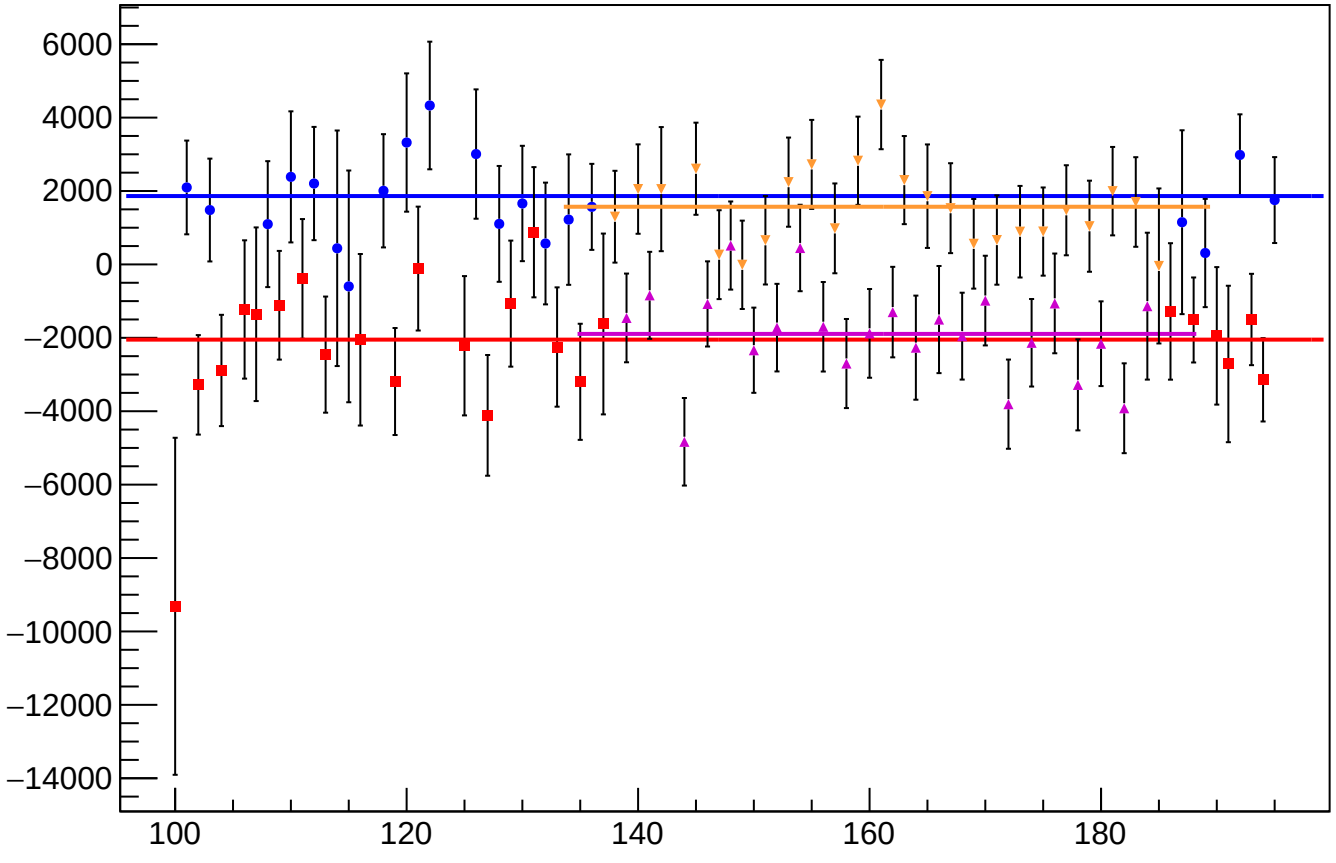
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.426+/-0.003 χ^2/NDF: 3728307.9/89

- sign 28.422+/-0.004 χ^2/NDF: 2259589.6/45

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: -2049.122+/-334.603 χ^2/NDF: 14.1/23

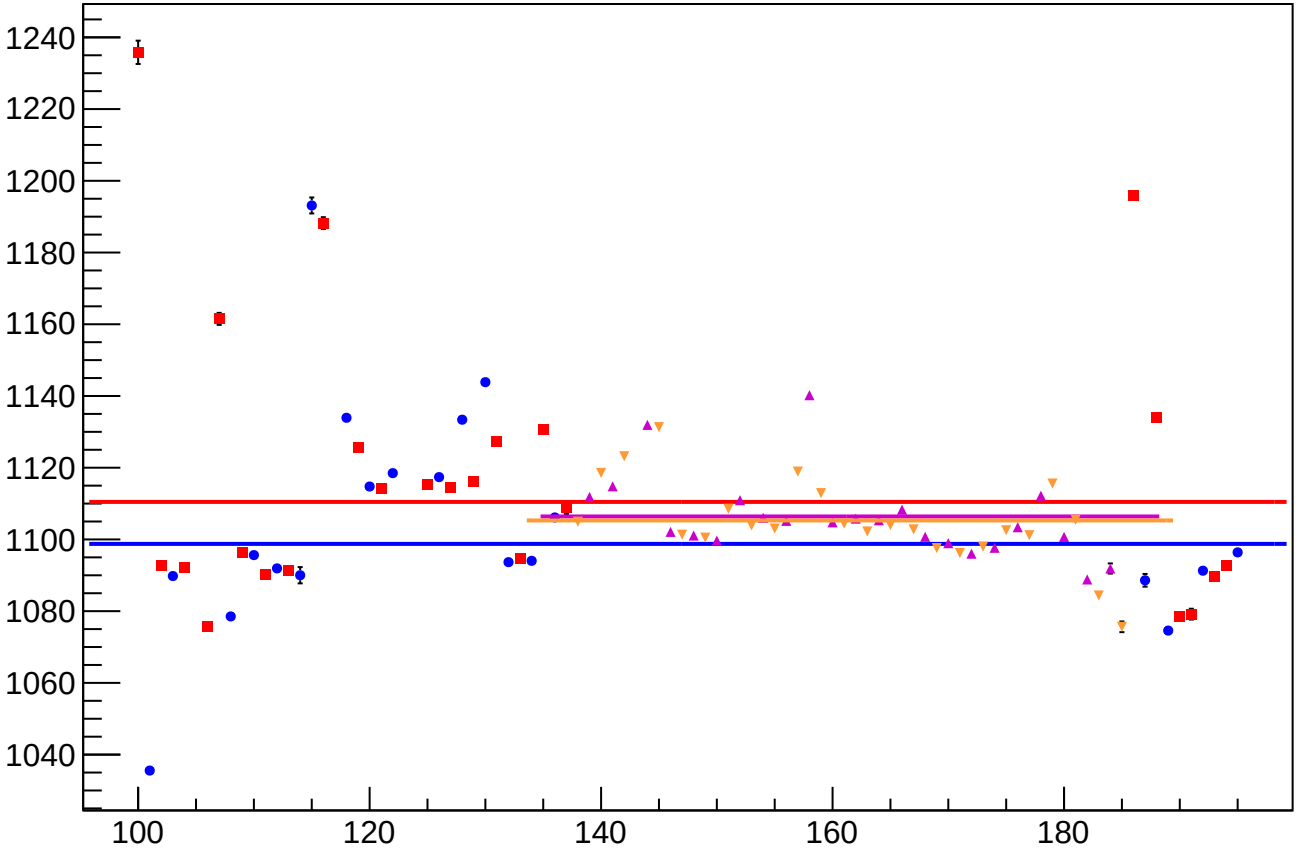
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -162.188+/-145.497 χ^2/NDF: 216.8/90

- sign -1951.525+/-204.484 χ^2/NDF: 38.4/46

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: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

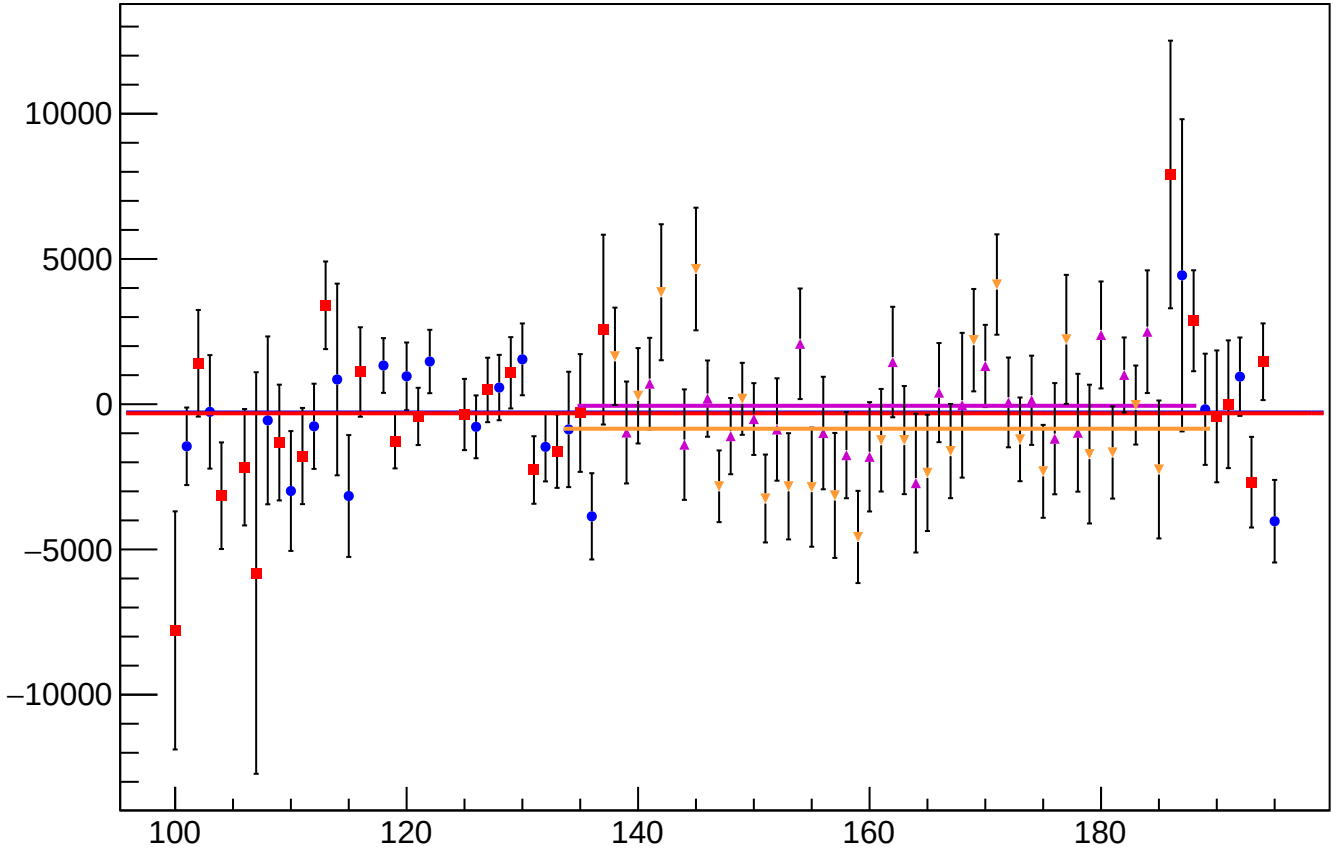
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46

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: -312.955+/-313.692 χ^2/NDF: 34.3/23

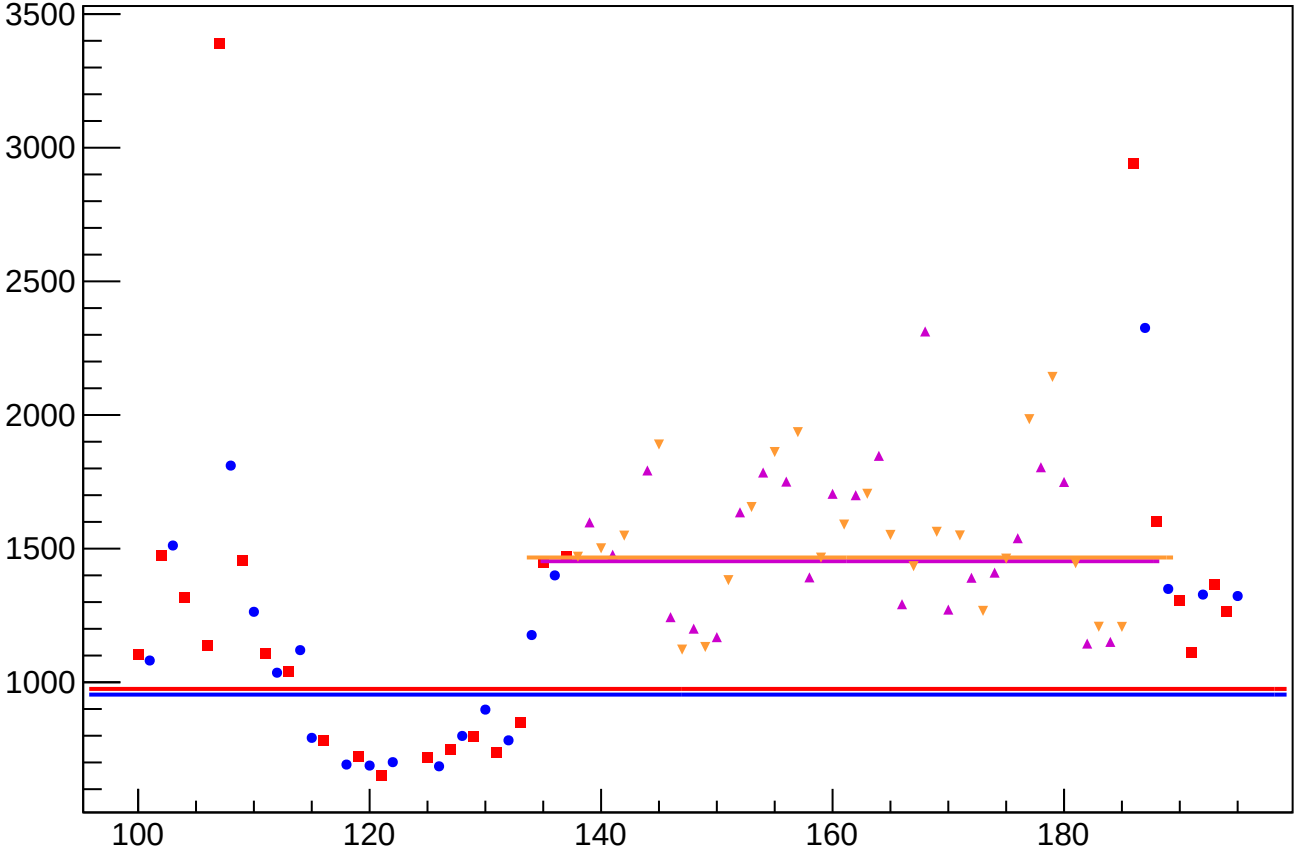
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -366.947+/-165.435 χ^2/NDF: 123.9/90

- sign -196.272+/-232.387 χ^2/NDF: 47.6/46

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: 975.167+/-0.222 χ^2/NDF: 2364838.8/23

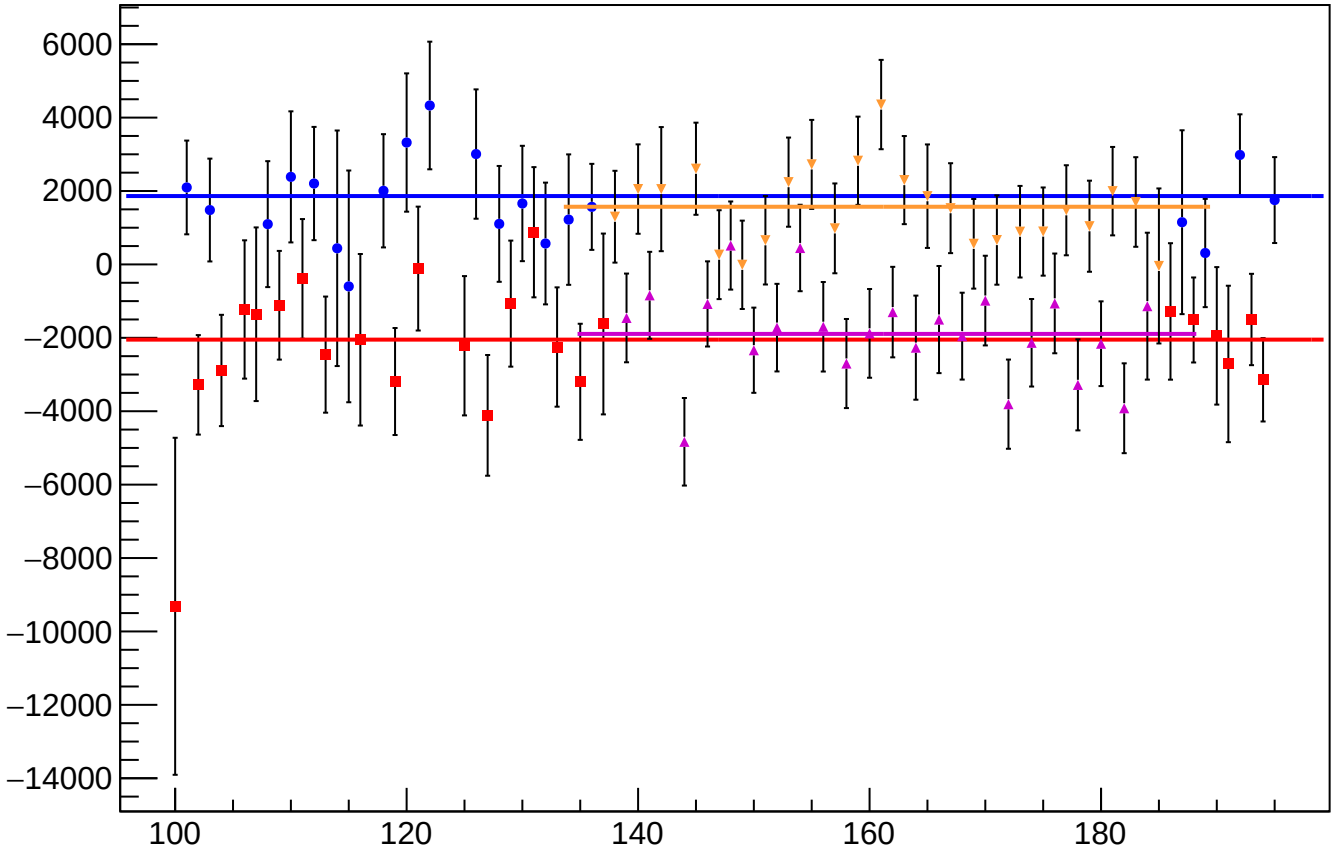
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1190.280+/-0.117 χ^2/NDF: 10695204.9/9

- sign 1190.756+/-0.164 χ^2/NDF: 5588086.7/46

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: -2049.109+/-334.603 χ^2/NDF: 14.1/23

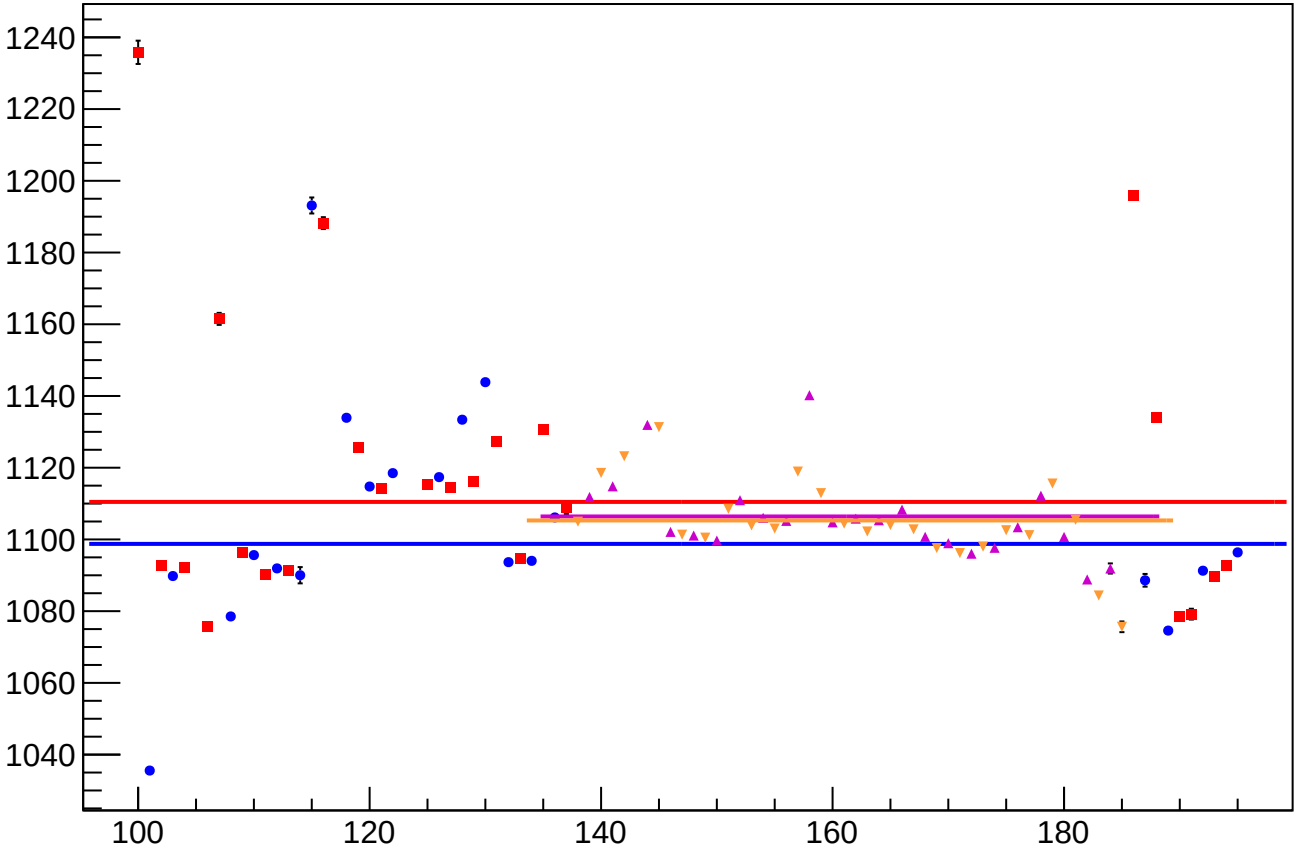
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -162.186+/-145.497 χ^2/NDF: 216.8/90

- sign -1951.520+/-204.484 χ^2/NDF: 38.4/46

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: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

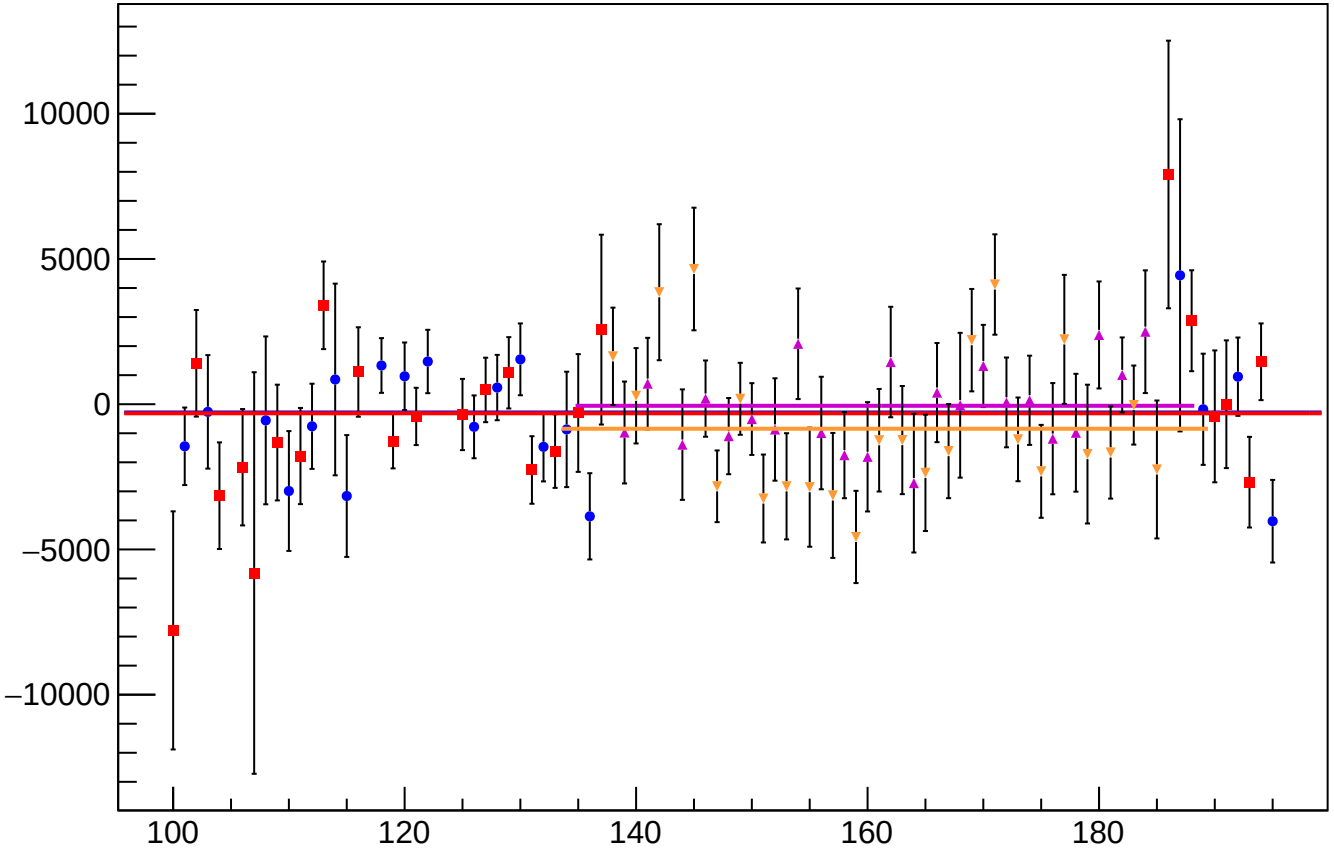
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46

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: -312.954+/-313.692 χ^2/NDF: 34.3/23

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

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

All: -366.947+/-165.435 χ^2/NDF: 123.9/90

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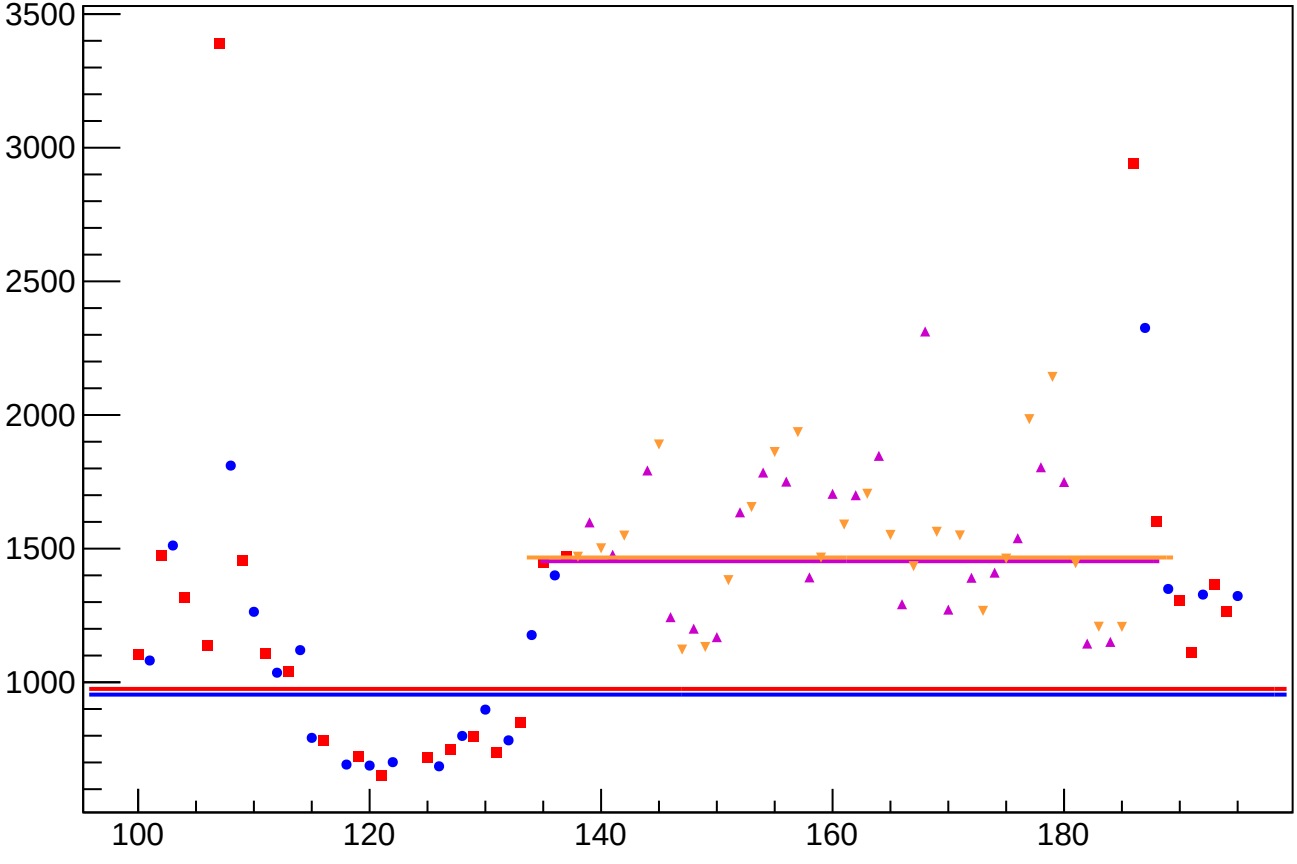
asym_usl_cor_correction_rms vs Slug



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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

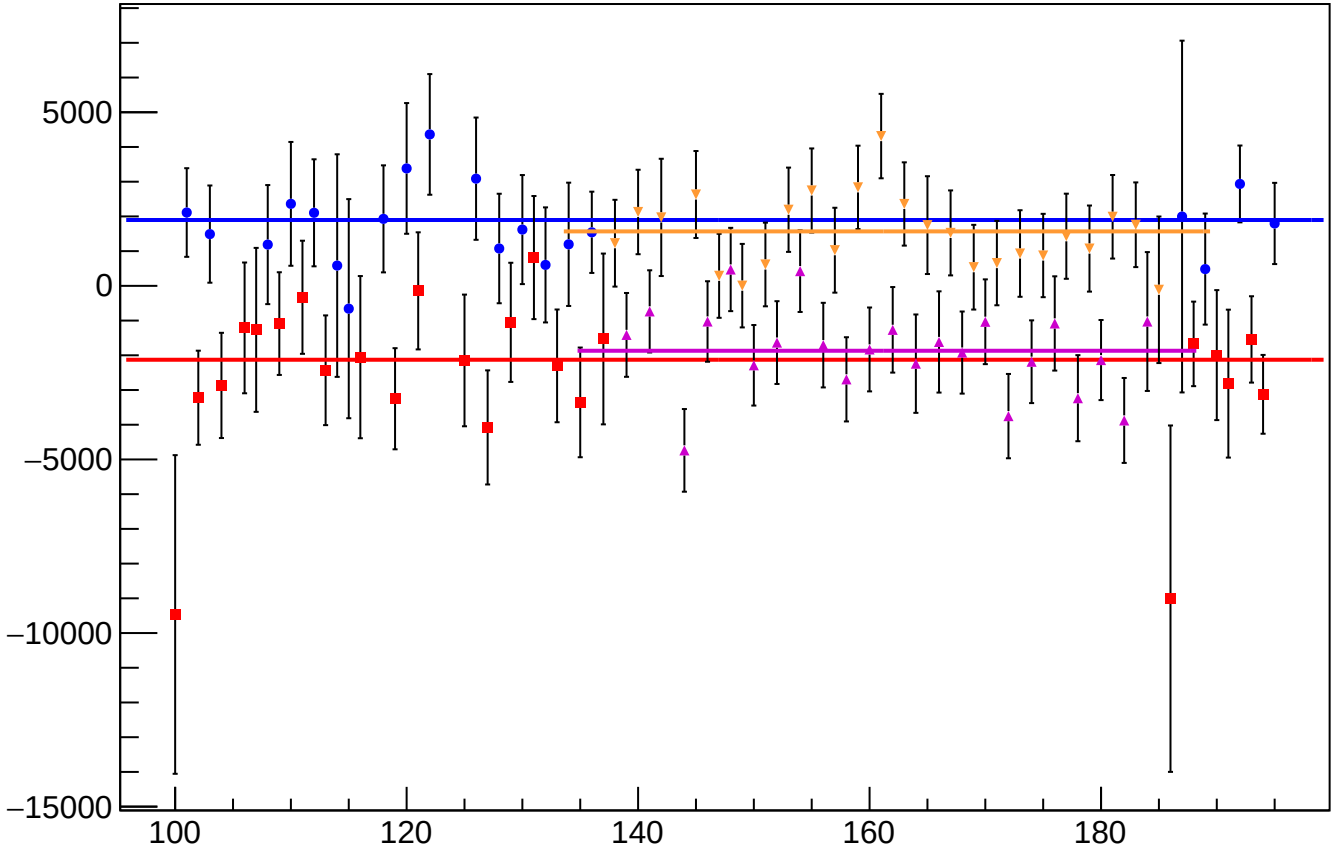
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1190.279+/-0.117 χ^2/NDF: 10695205.7/9

- sign 1190.756+/-0.164 χ^2/NDF: 5588087.6/46

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: -2128.329+/-340.515 χ^2/NDF: 15.9/23

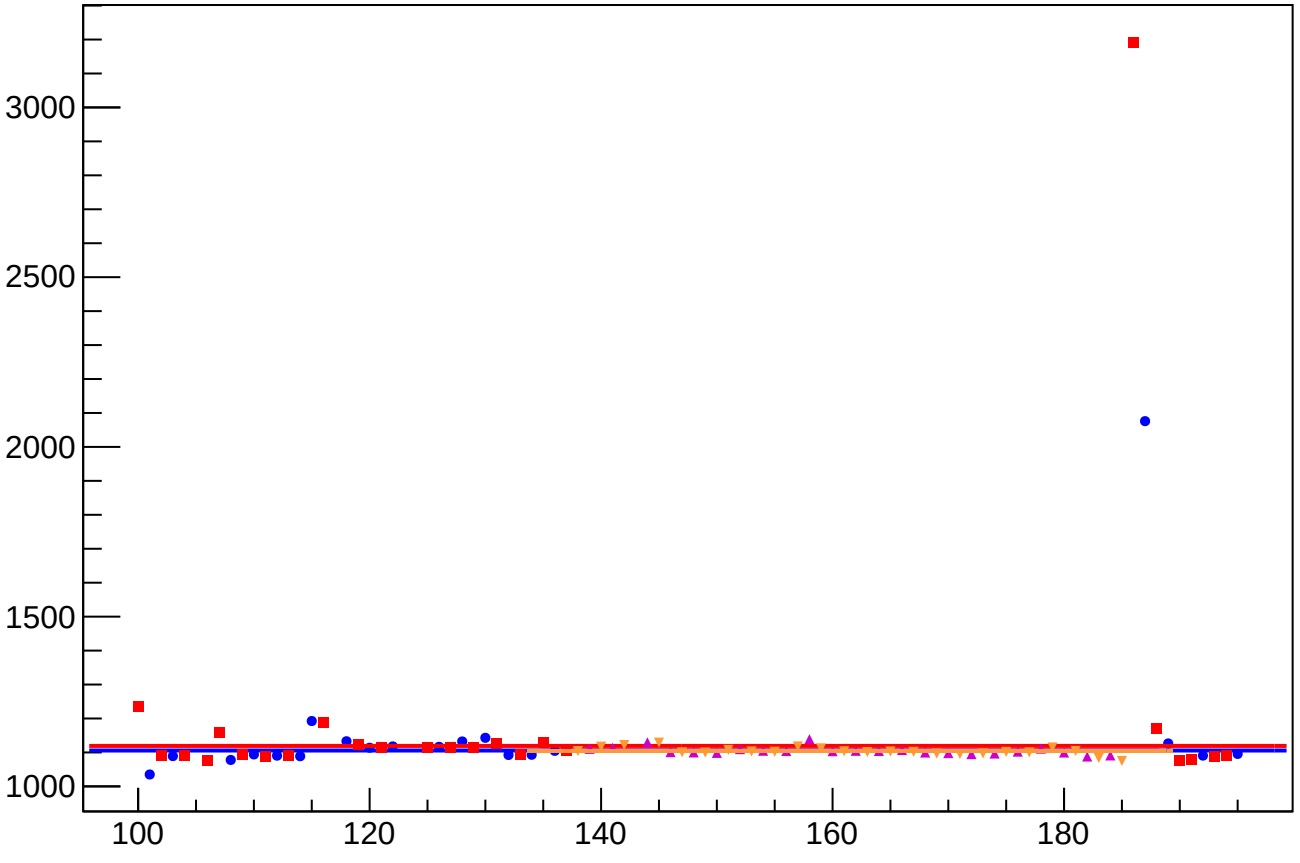
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -159.277+/-146.161 χ^2/NDF: 218.2/90

- sign -1963.842+/-205.690 χ^2/NDF: 39.7/46

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: 1119.228+/-0.241 χ^2/NDF: 361225.8/23

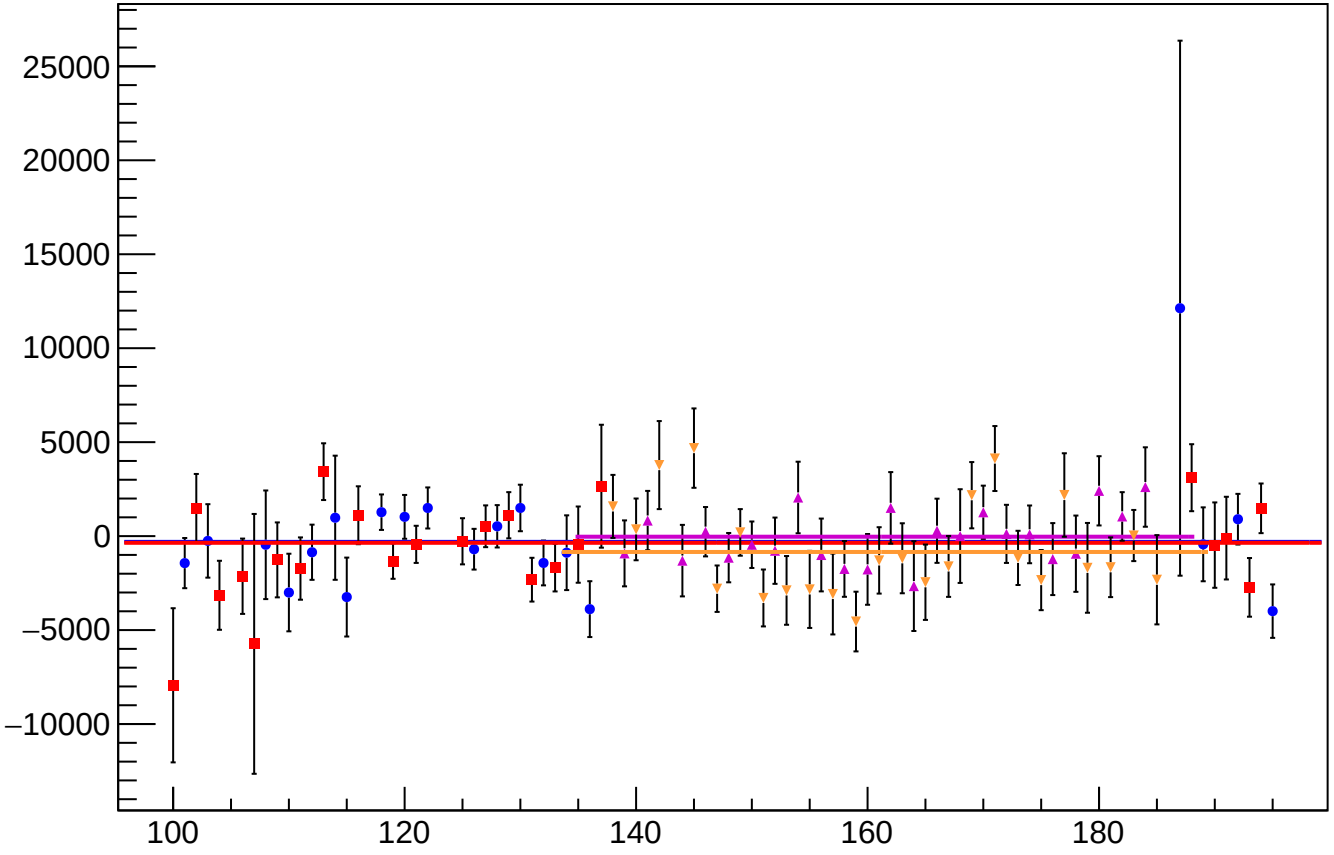
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

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

All: 1107.616+/-0.103 χ^2/NDF: 456523.7/90

- sign 1110.433+/-0.145 χ^2/NDF: 366987.5/46

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: -355.150+/-315.082 χ^2/NDF: 32.1/22

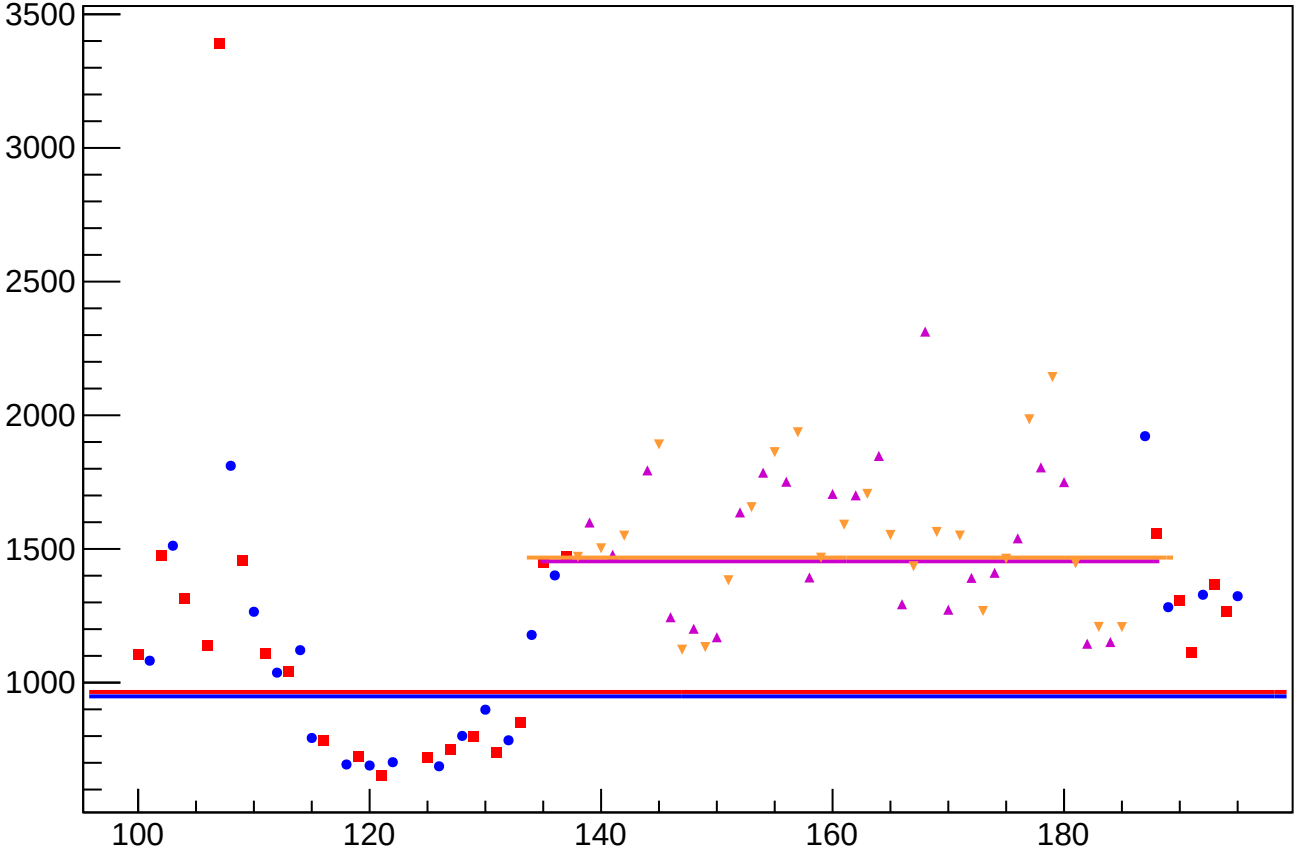
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

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

All: -379.011+/-165.841 χ^2/NDF: 121.4/89

- sign -208.449+/-233.009 χ^2/NDF: 45.7/45

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: 965.050+/-0.223 χ^2/NDF: 1945076.6/22

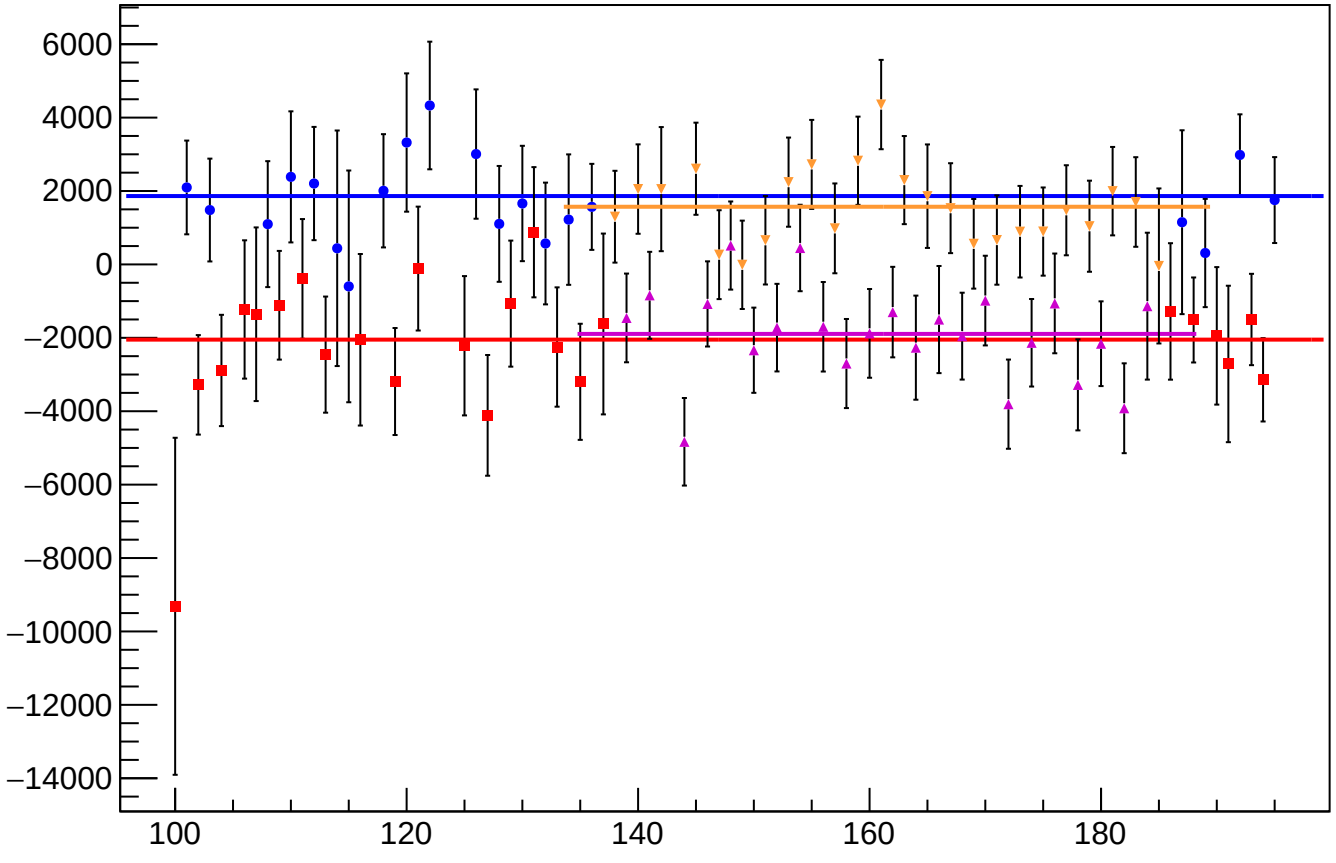
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1187.319+/-0.117 χ^2/NDF: 10248495.6/8

- sign 1186.523+/-0.165 χ^2/NDF: 5253900.3/45

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: -2049.109+/-334.603 χ^2/NDF: 14.1/23

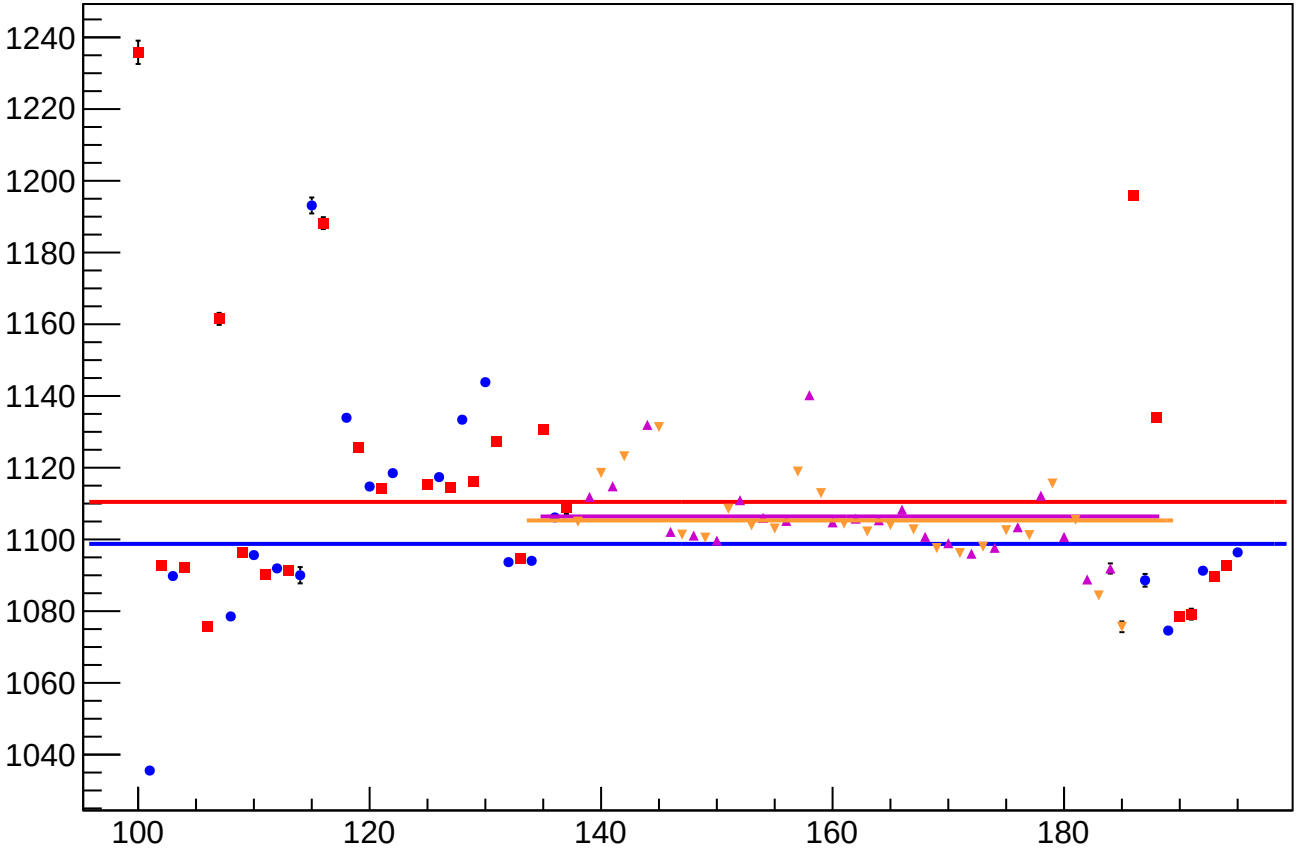
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -162.186+/-145.497 χ^2/NDF: 216.8/90

- sign -1951.520+/-204.484 χ^2/NDF: 38.4/46

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

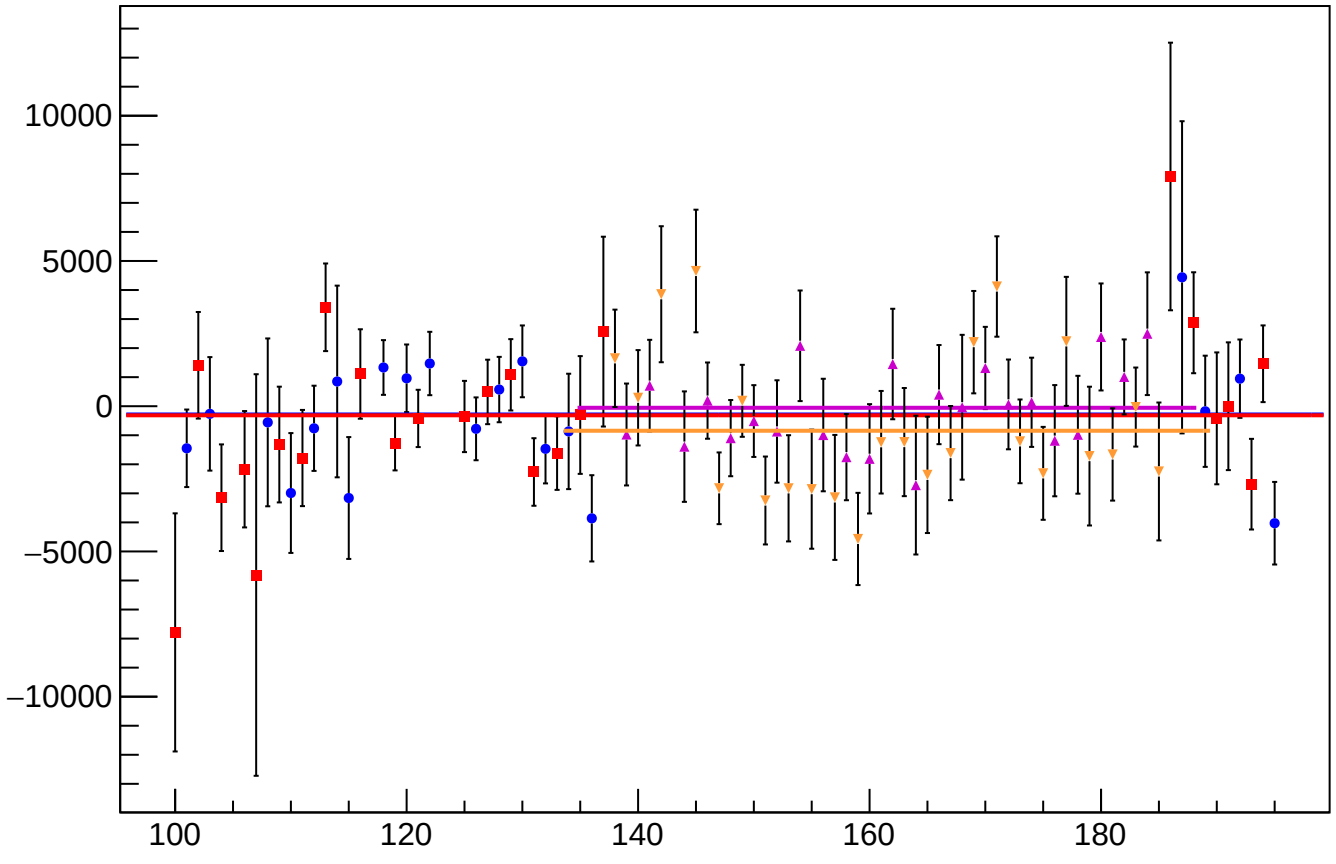
Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

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

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46



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: -312.954+/-313.692 χ^2/NDF: 34.3/23

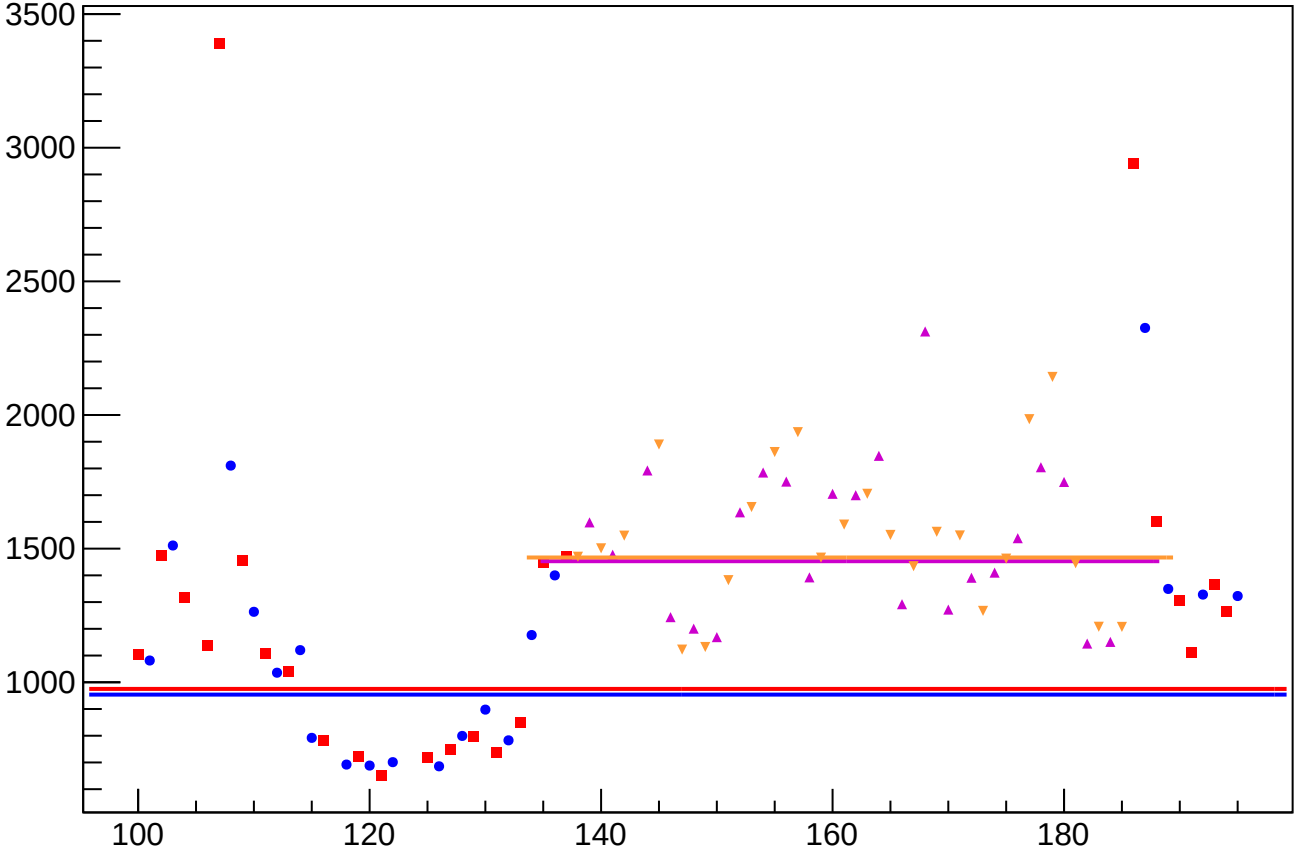
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -366.947+/-165.435 χ^2/NDF: 123.9/90

- sign -196.272+/-232.387 χ^2/NDF: 47.6/46

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

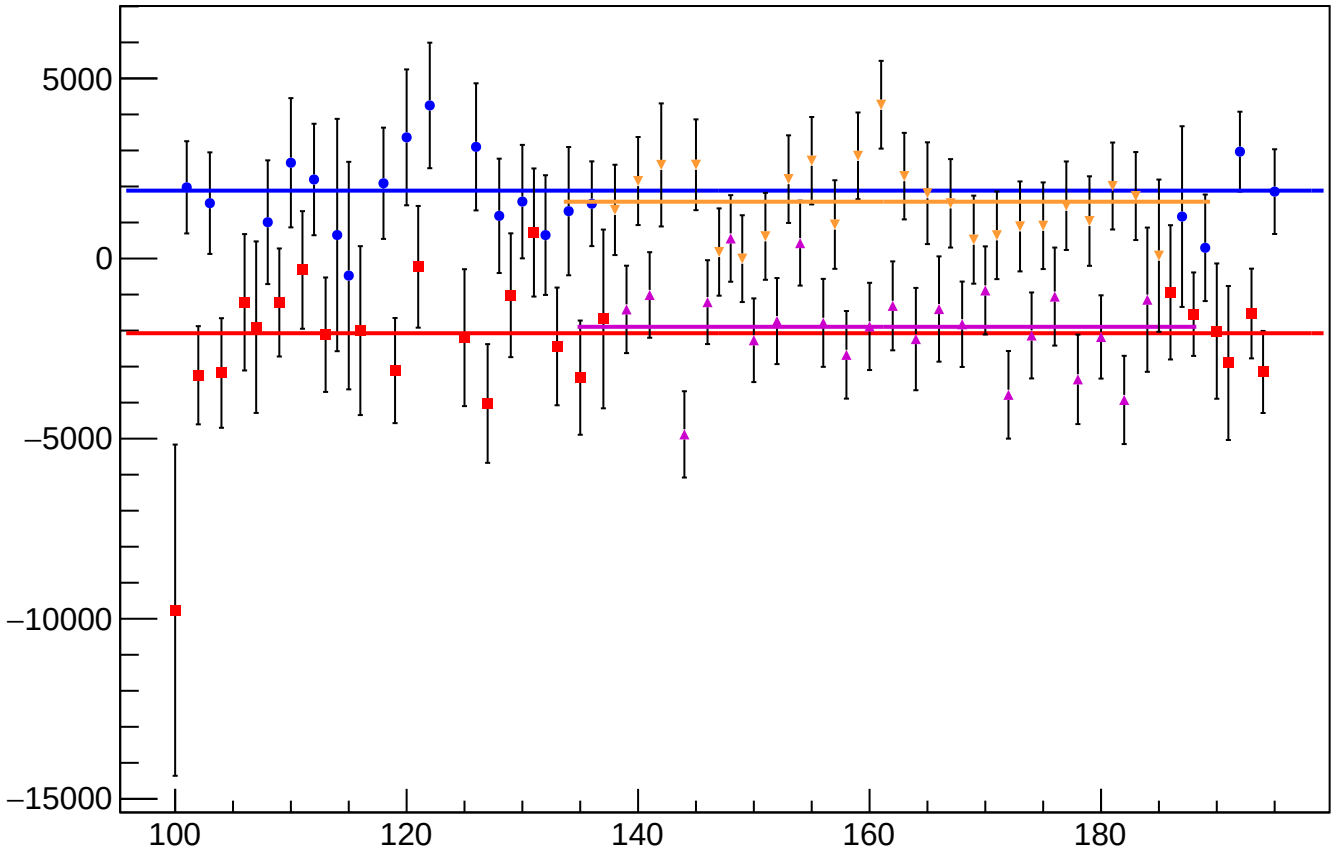
Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

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

All: 1190.279+/-0.117 χ^2/NDF: 10695205.7/9

- sign 1190.756+/-0.164 χ^2/NDF: 5588087.6/46



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: -2073.389+/-335.637 χ^2/NDF: 14.2/23

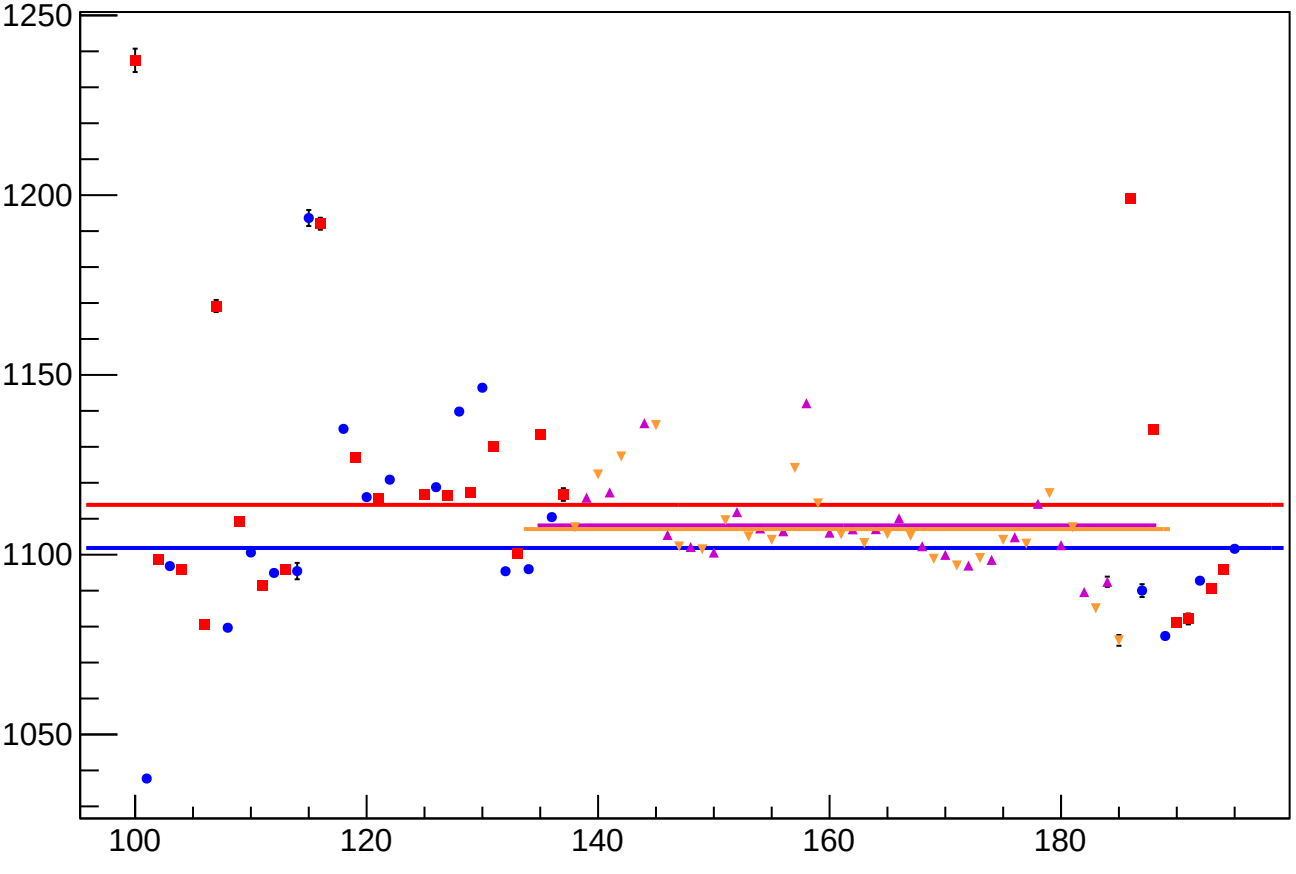
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -161.647+/-145.812 χ^2/NDF: 218.2/90

- sign -1961.842+/-204.924 χ^2/NDF: 38.5/46

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: 1113.860+/-0.237 χ^2/NDF: 14410.7/23

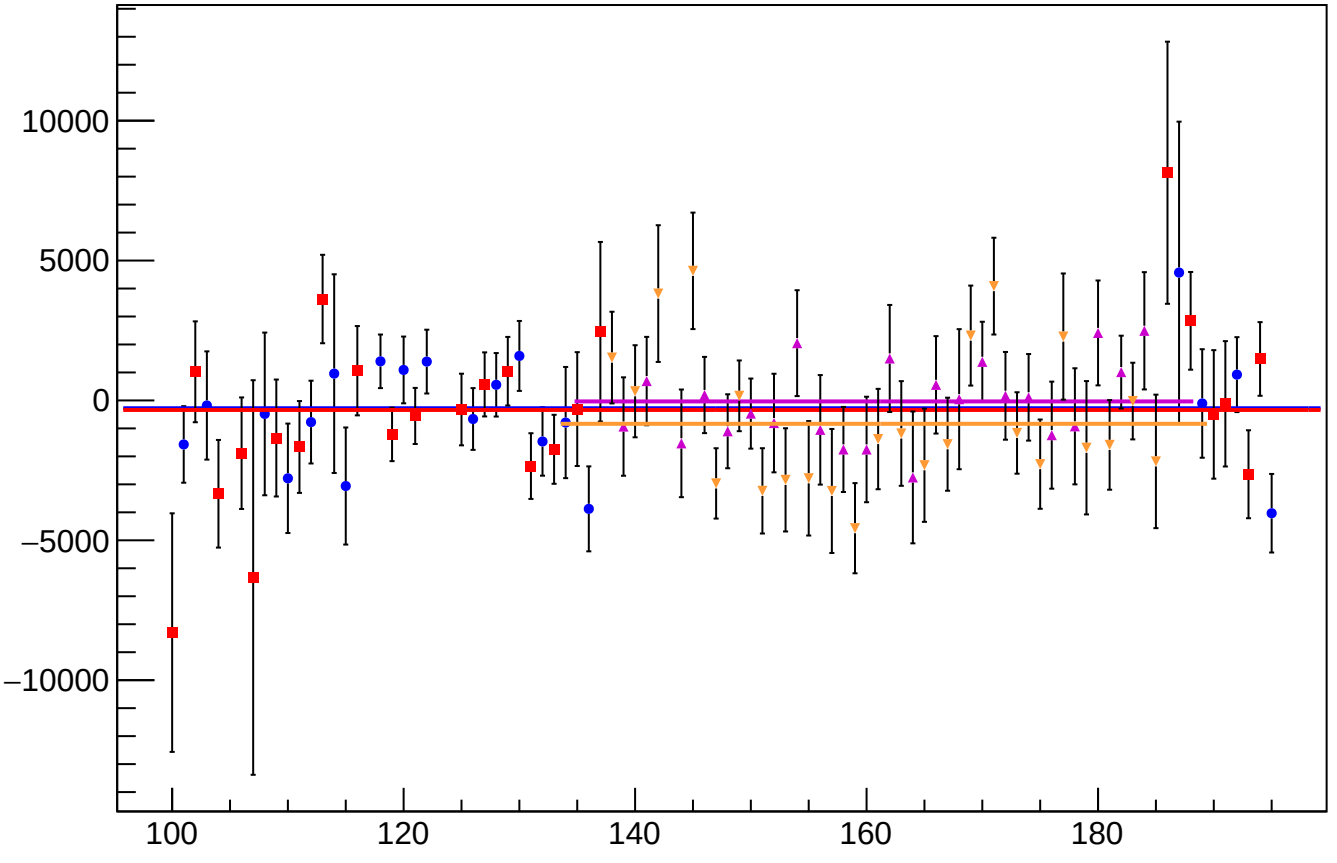
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.818+/-0.103 χ^2/NDF: 35824.8/90

- sign 1110.276+/-0.145 χ^2/NDF: 18964.9/46

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: -339.907+/-318.013 χ^2/NDF: 34.2/23

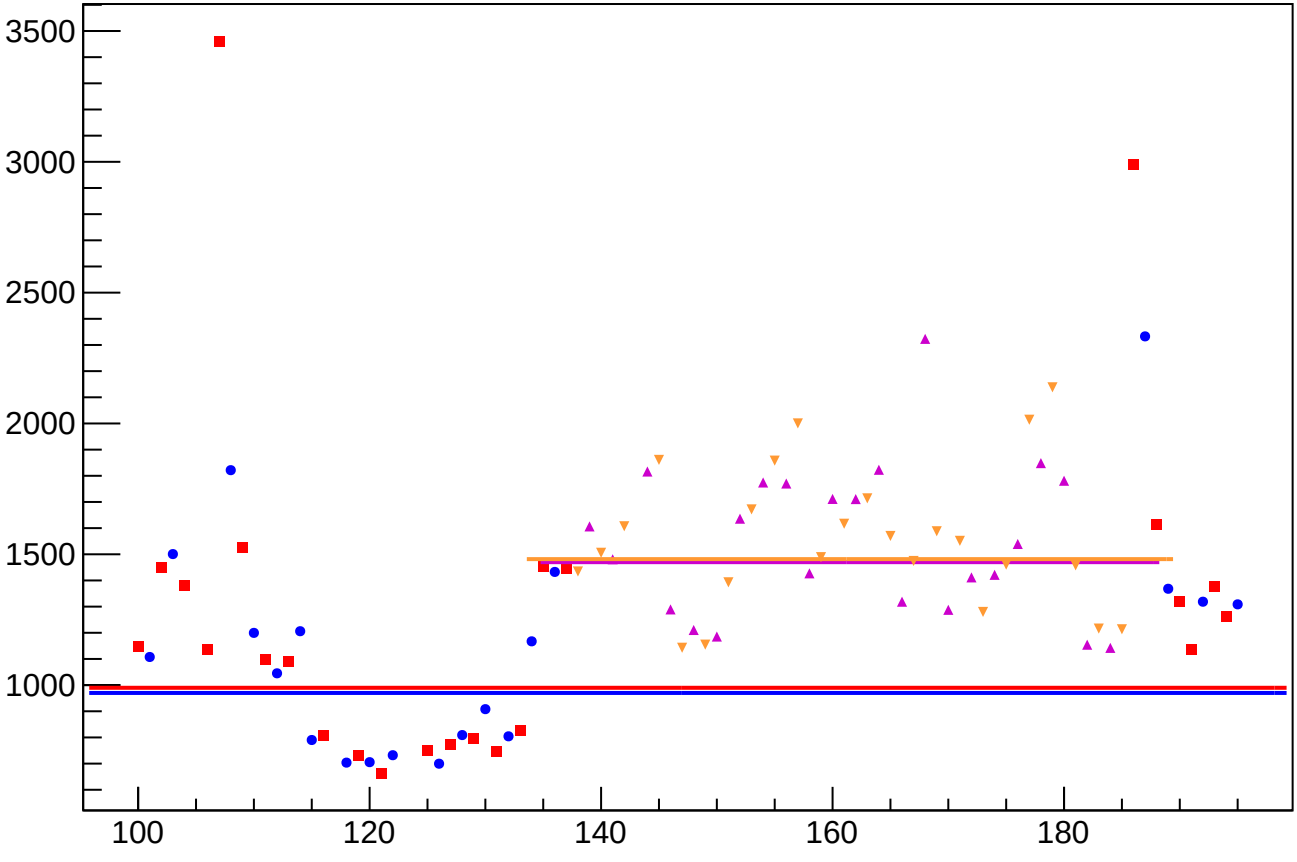
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -367.133+/-167.436 χ^2/NDF: 123.0/90

- sign -202.097+/-235.256 χ^2/NDF: 47.7/46

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: 989.796+/-0.225 χ^2/NDF: 2335938.9/23

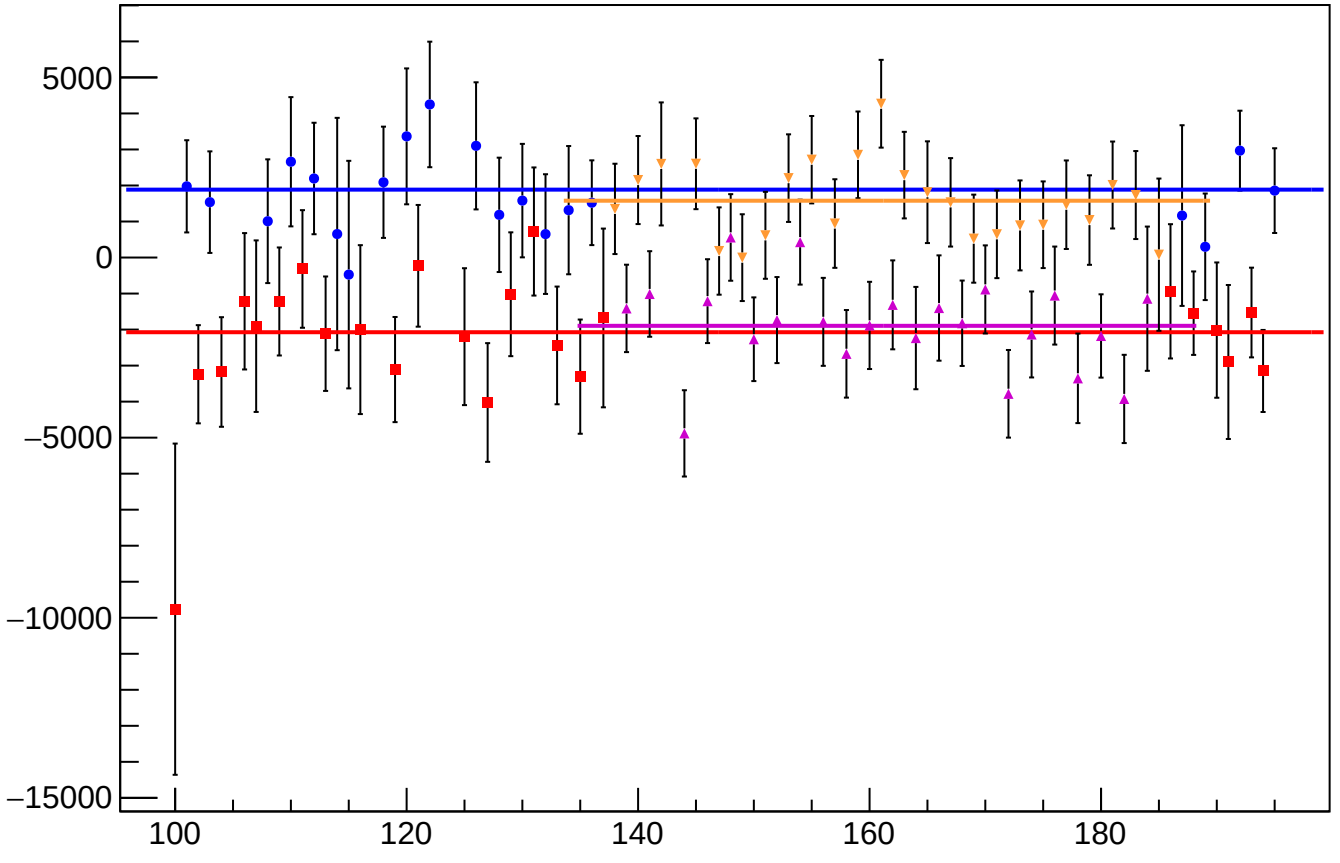
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

All: 1206.810+/-0.118 χ^2/NDF: 10411119.4/9

- sign 1207.162+/-0.166 χ^2/NDF: 5494819.5/46

eigen_dit_asym_usl_mean vs Slug



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: -2073.386+/-335.637 χ^2/NDF: 14.2/23

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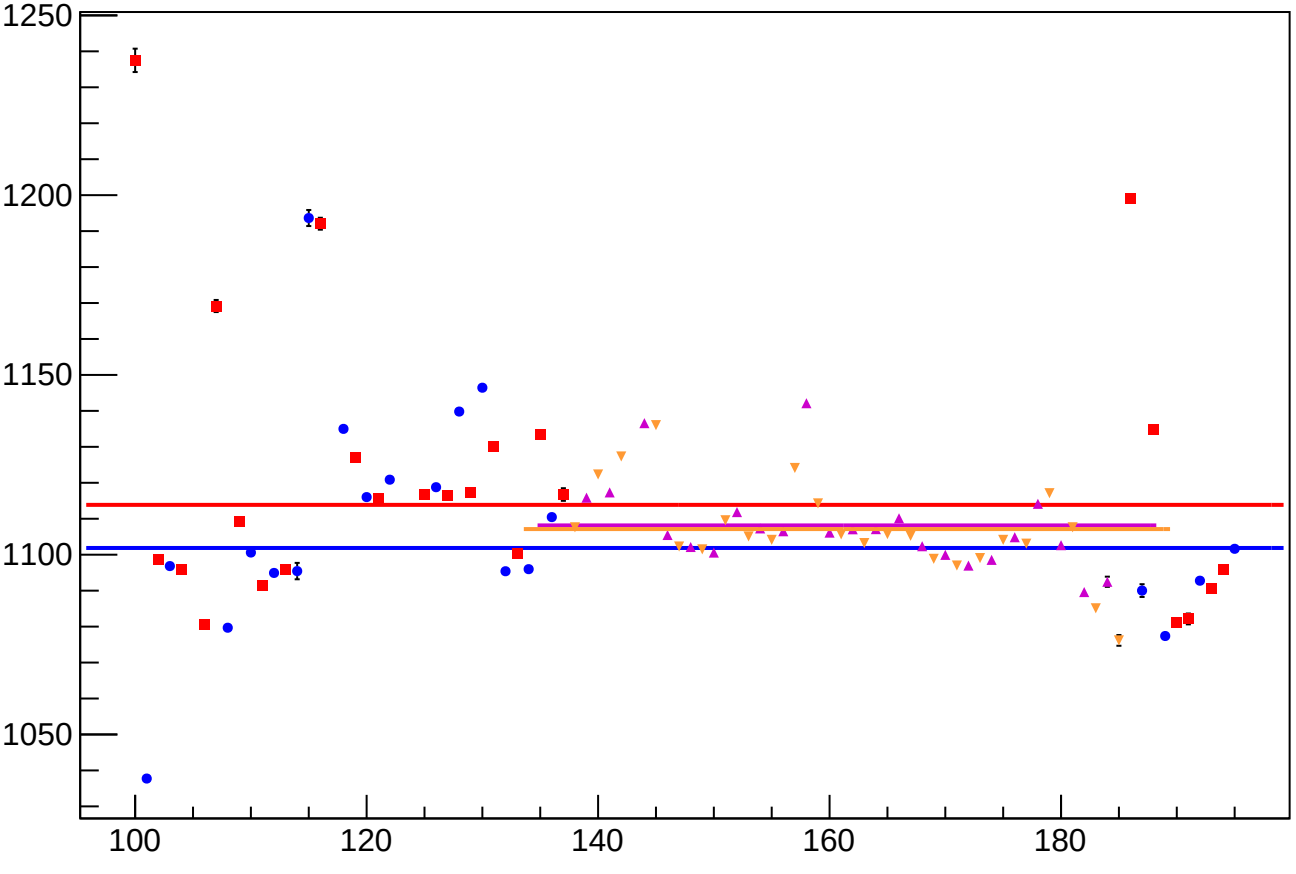
+ sign 1684.435+/-207.519 χ^2/NDF: 23.4/43

All: -161.648+/-145.812 χ^2/NDF: 218.2/90

- sign -1961.842+/-204.924 χ^2/NDF: 38.5/46

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: 1113.860+/-0.237 χ^2/NDF: 14410.6/23

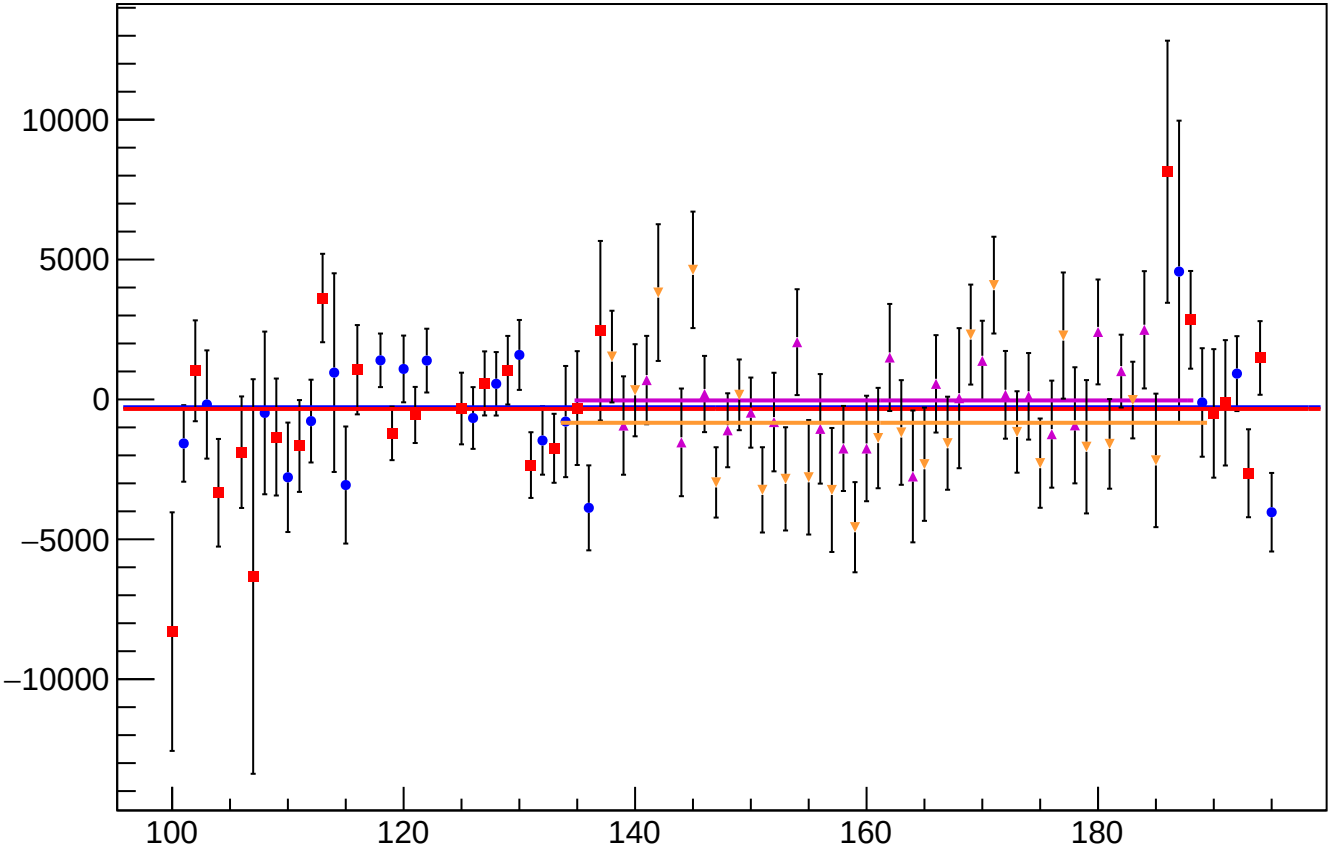
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.818+/-0.103 χ^2/NDF: 35824.8/90

- sign 1110.276+/-0.145 χ^2/NDF: 18964.9/46

asym_usl_eigen_dit_correction_mean vs Slug



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

Right Out: -339.907+/-318.013 χ^2/NDF: 34.2/23

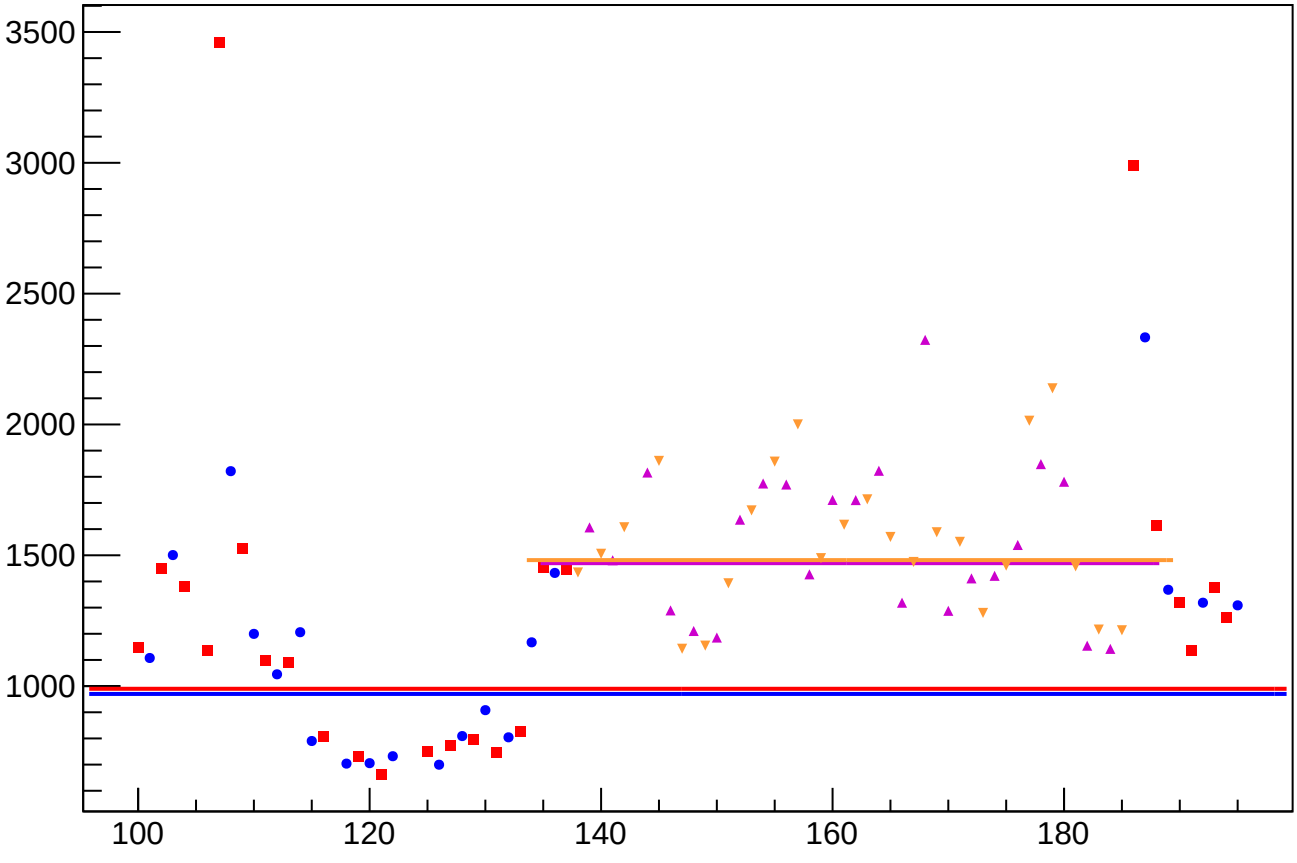
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -367.133+/-167.436 χ^2/NDF: 123.0/90

- sign -202.097+/-235.256 χ^2/NDF: 47.7/46

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: 989.794+/-0.225 χ^2/NDF: 2335948.3/23

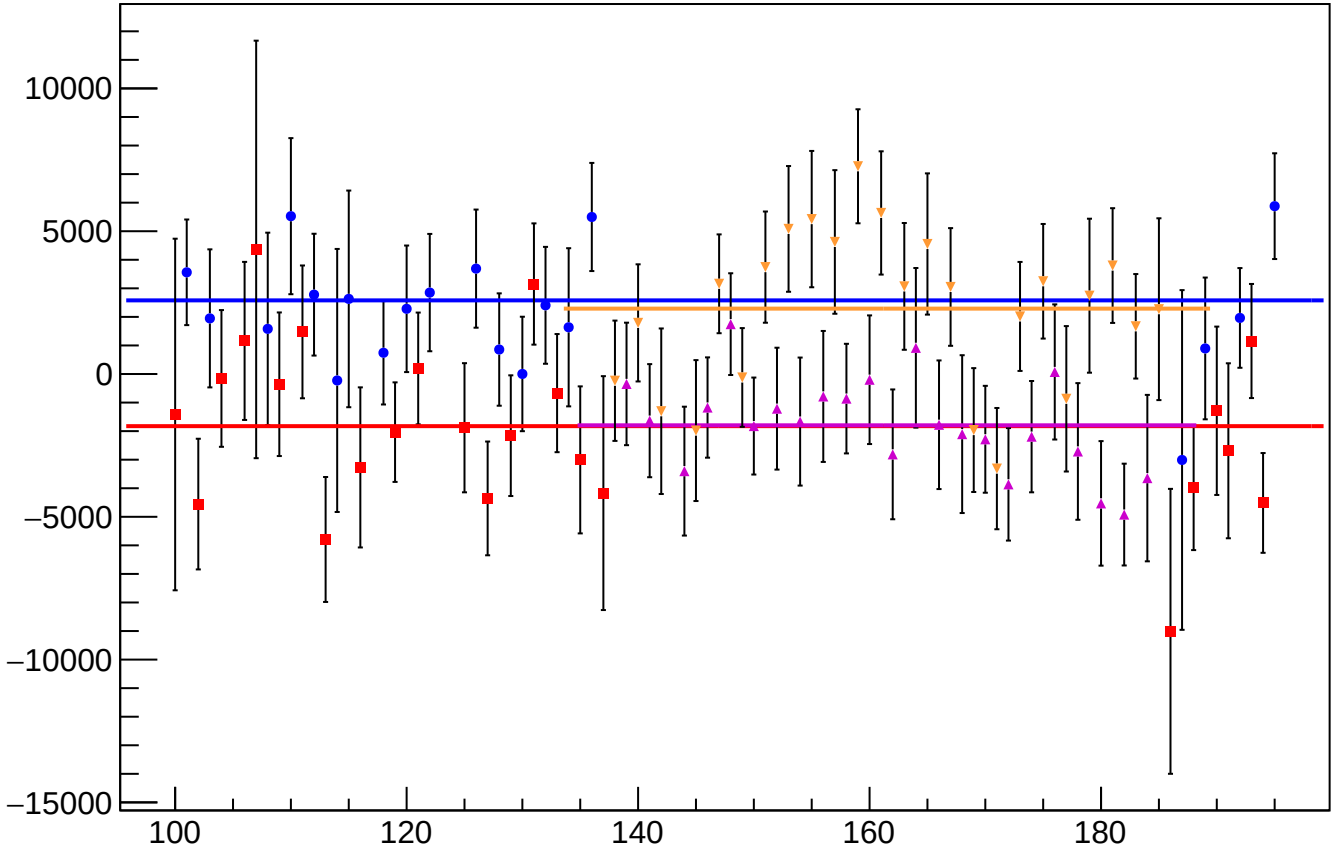
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

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

All: 1206.809+/-0.118 χ^2/NDF: 10411194.3/9

- sign 1207.161+/-0.166 χ^2/NDF: 5494857.3/46

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: -1825.624+/-487.997 χ^2/NDF: 26.5/23

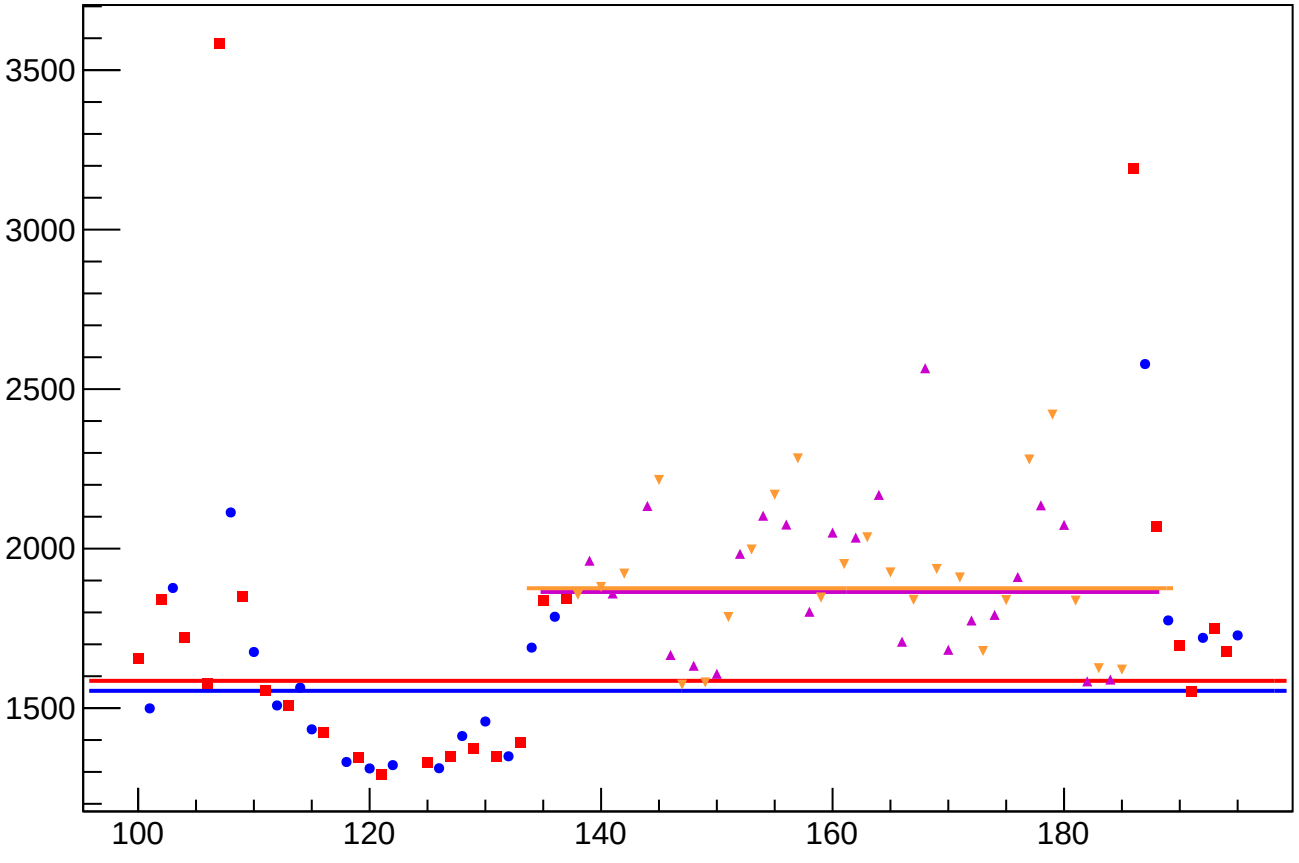
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 275.864+/-232.286 χ^2/NDF: 172.6/90

- sign -1809.425+/-326.431 χ^2/NDF: 40.8/46

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: 1585.563+/-0.345 χ^2/NDF: 768079.8/23

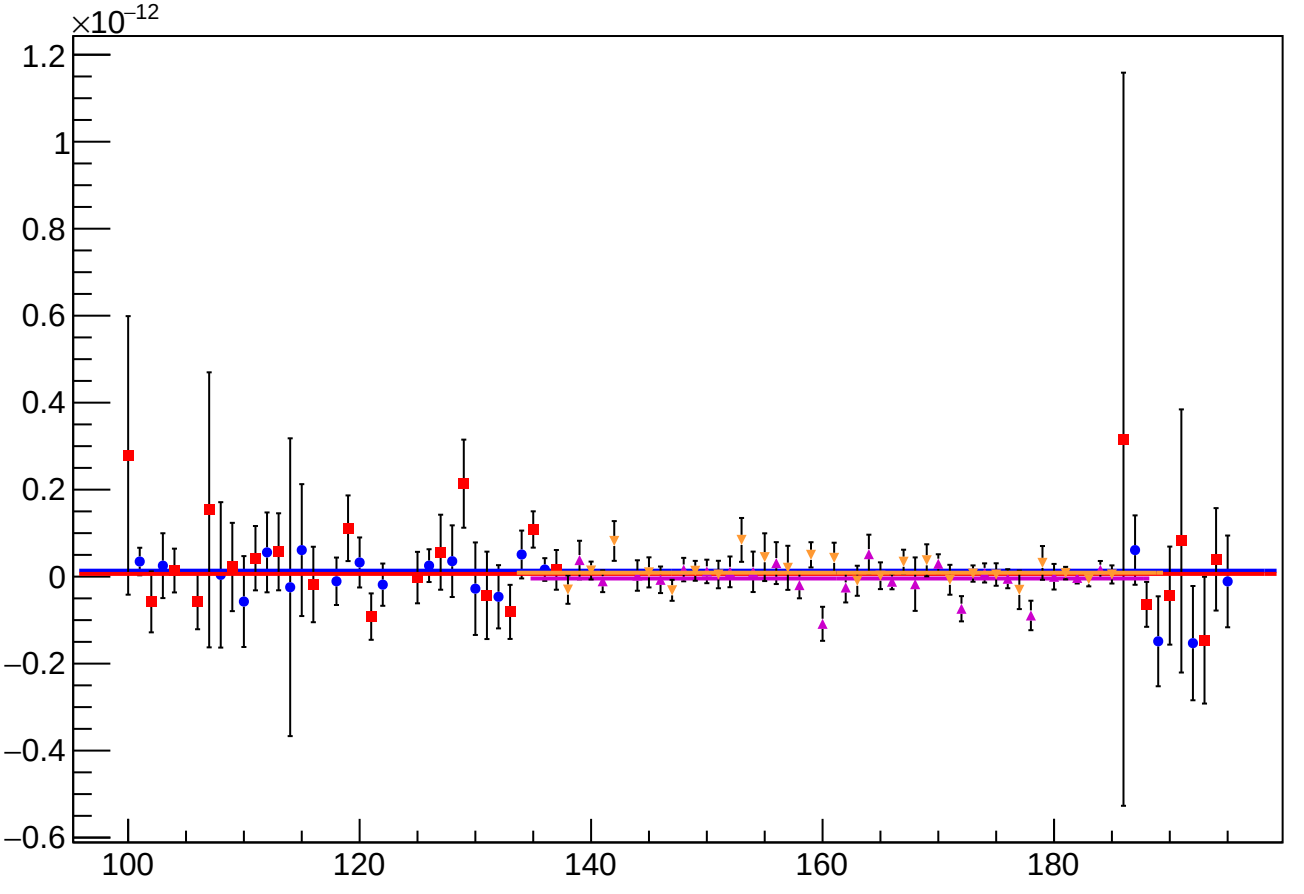
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

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

All: 1737.943+/-0.164 χ^2/NDF: 2964266.5/90

- sign 1739.502+/-0.231 χ^2/NDF: 1638864.0/46

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: 25.0/23

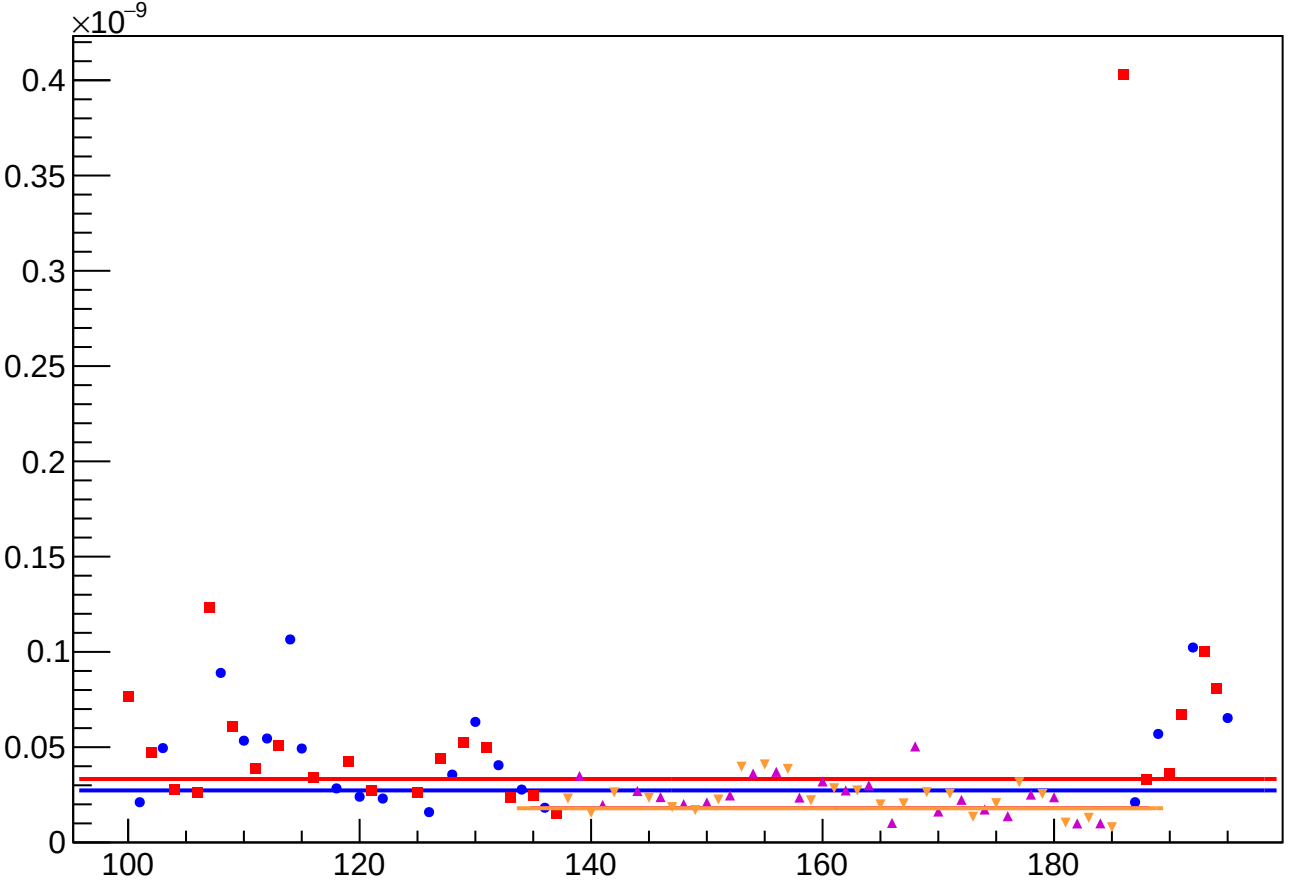
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/43

All: 0.000+/-0.000 χ^2/NDF: 81.3/90

- sign -0.000+/-0.000 χ^2/NDF: 53.5/46

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2828719.2/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2416860.8/23

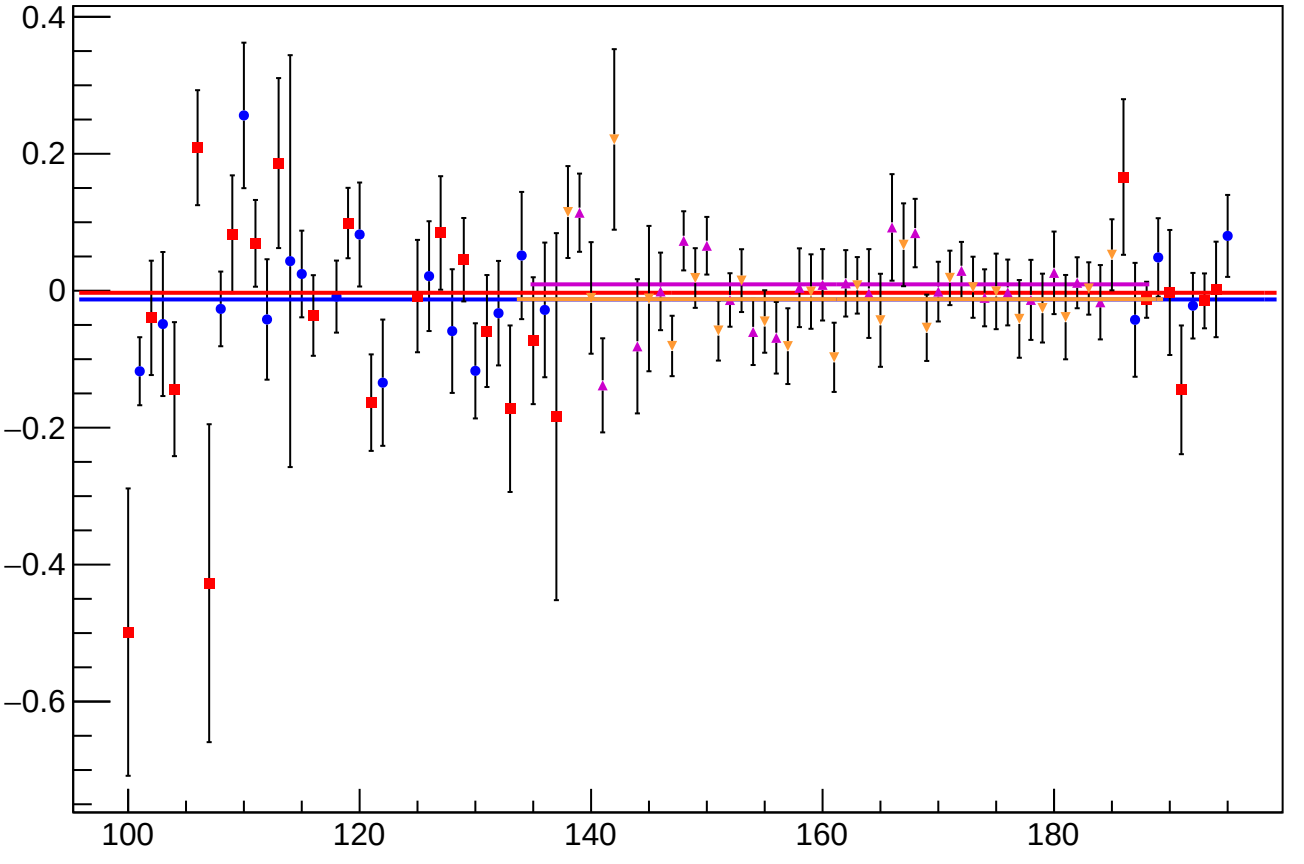
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7193707.5/43

All: 0.000+/-0.000 χ^2/NDF: 15622989.3/90

- sign 0.000+/-0.000 χ^2/NDF: 8418848.5/46

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: -0.003+/-0.014 χ^2/NDF: 41.5/23

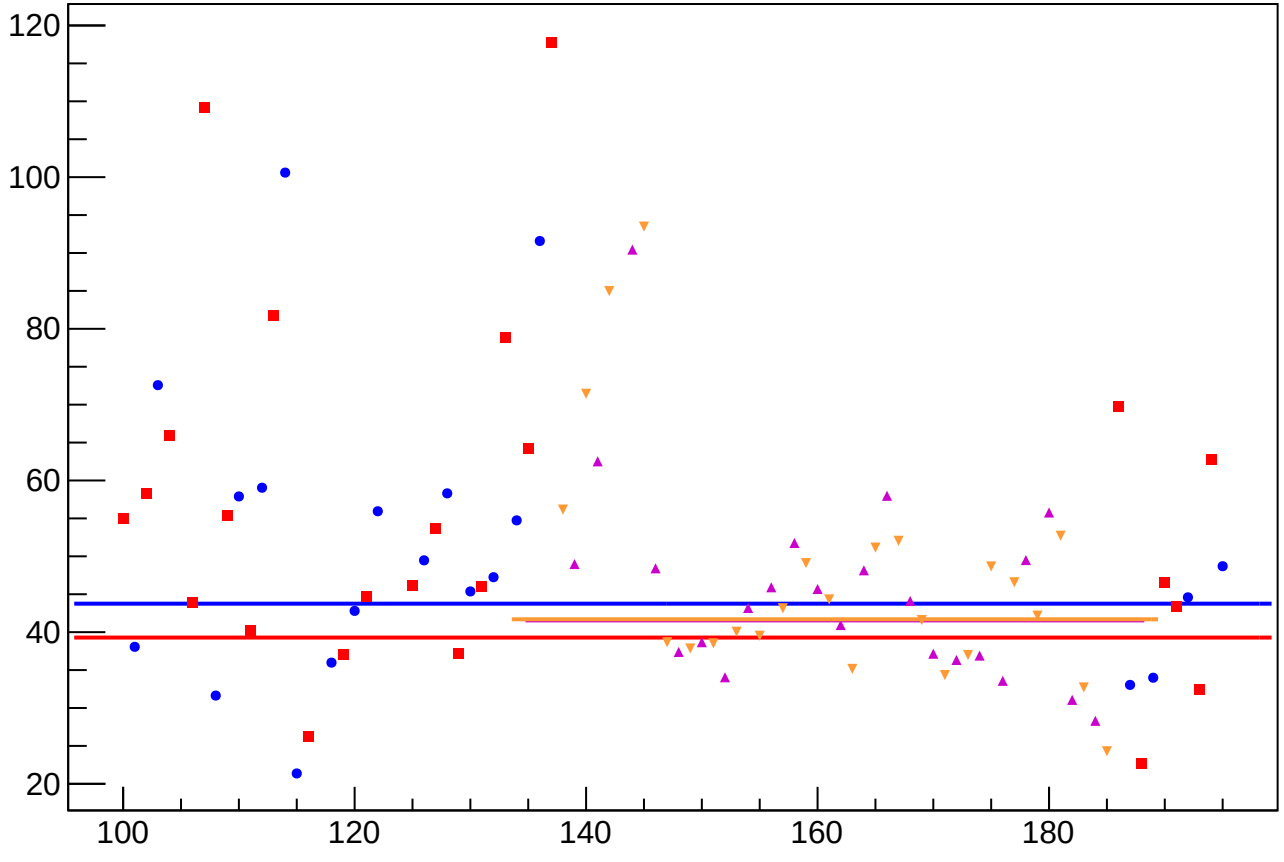
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.003+/-0.006 χ^2/NDF: 109.7/90

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

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: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

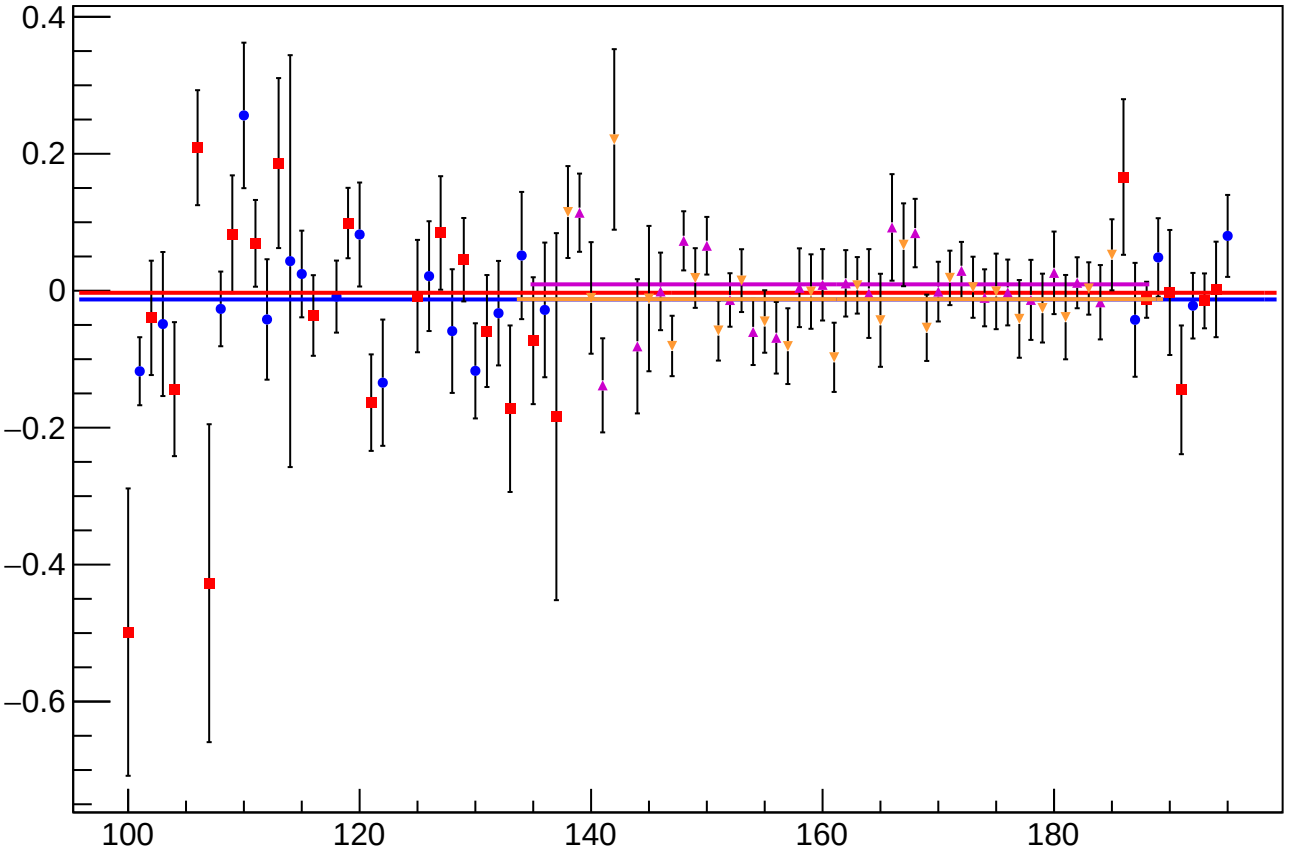
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.487+/-0.004 χ^2/NDF: 7697986.1/90

\- sign 40.723+/-0.006 χ^2/NDF: 4372071.3/46

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: -0.003+/-0.014 χ^2/NDF: 41.5/23

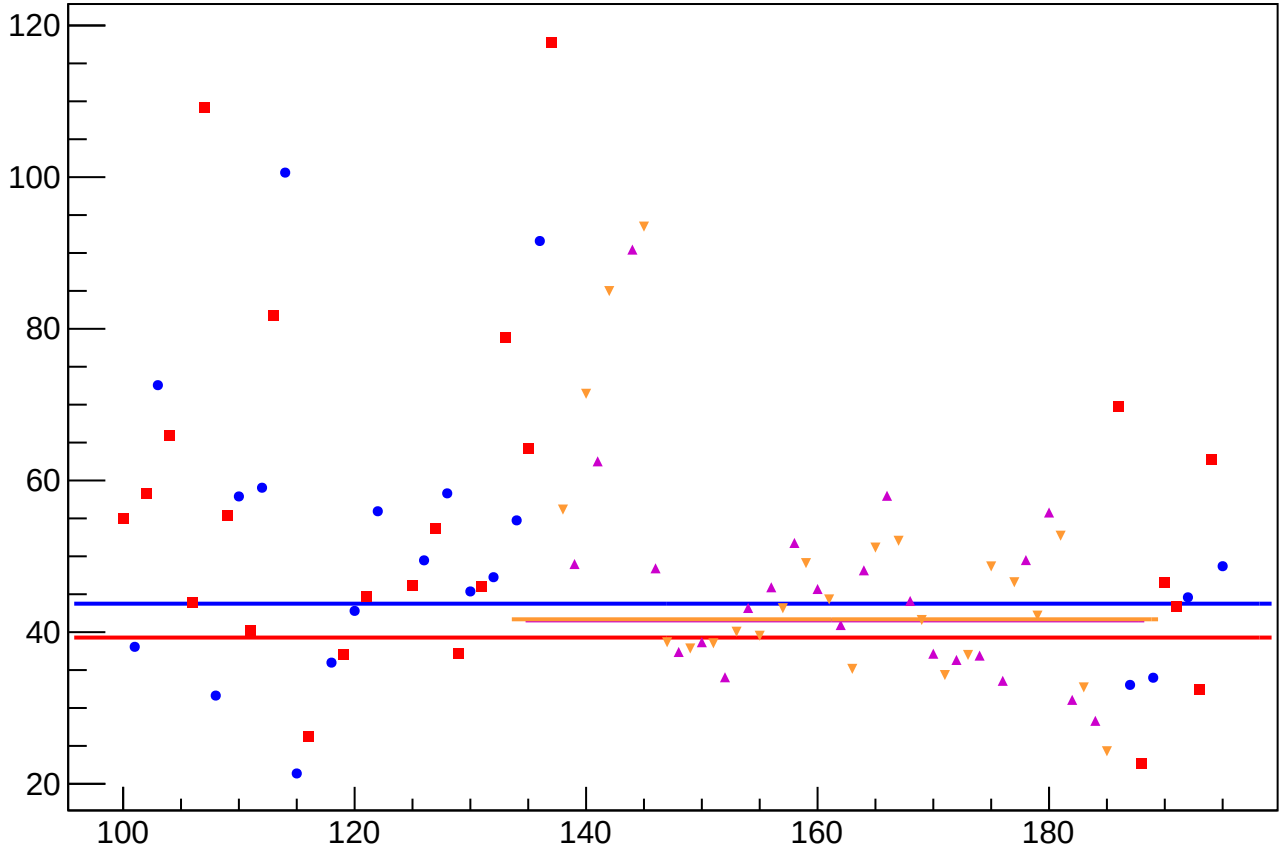
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.003+/-0.006 χ^2/NDF: 109.7/90

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

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: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

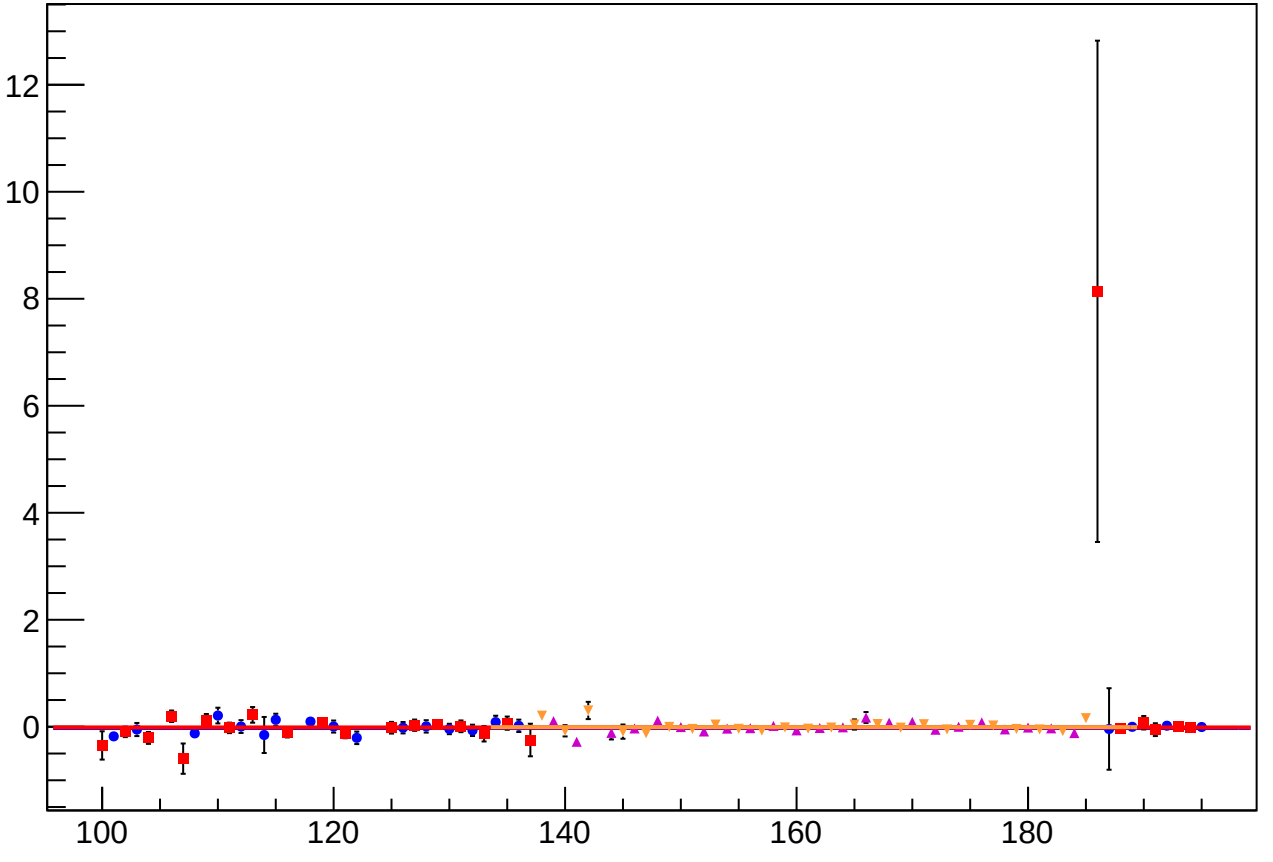
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.487+/-0.004 χ^2/NDF: 7697986.1/90

\- sign 40.723+/-0.006 χ^2/NDF: 4372071.3/46

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: -0.012+/-0.021 χ^2/NDF: 26.8/23

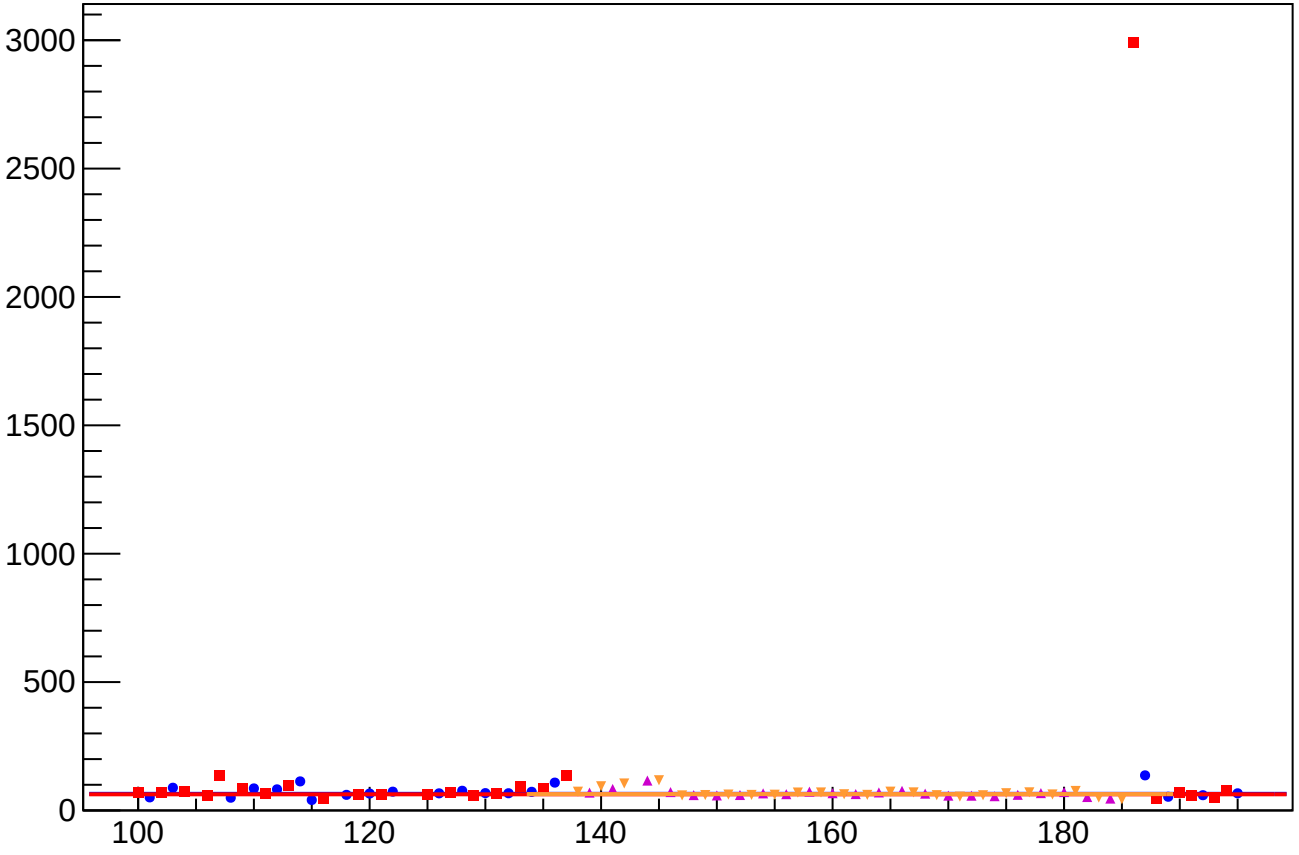
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.3/43

All: -0.011+/-0.009 χ^2/NDF: 97.3/90

- sign -0.009+/-0.012 χ^2/NDF: 55.0/46

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: 62.871+/-0.015 χ^2/NDF: 1858972.0/23

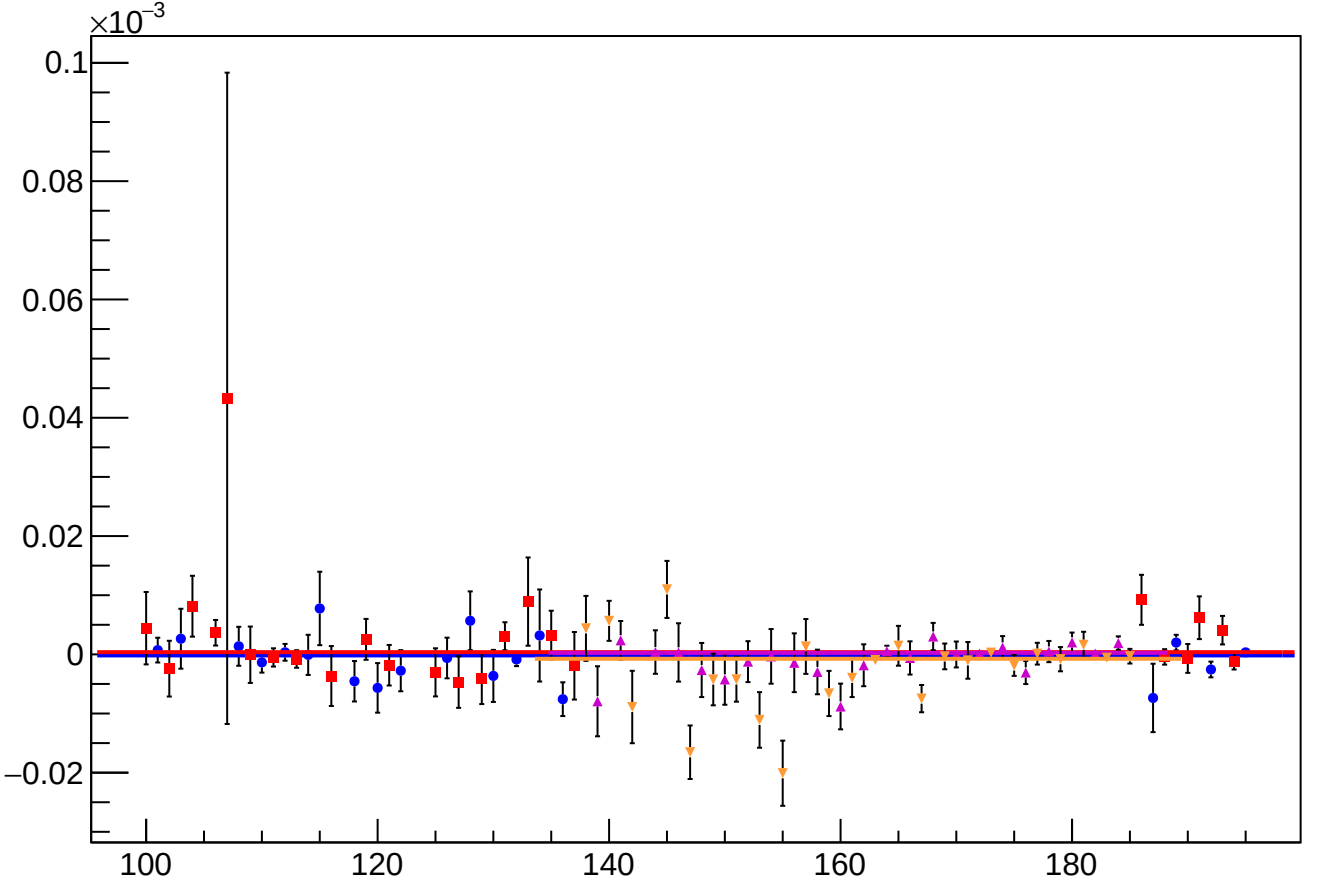
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.082+/-0.009 χ^2/NDF: 1928193.4/43

All: 63.845+/-0.006 χ^2/NDF: 4631375.1/90

- sign 63.618+/-0.009 χ^2/NDF: 2701815.8/46

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: 26.1/23

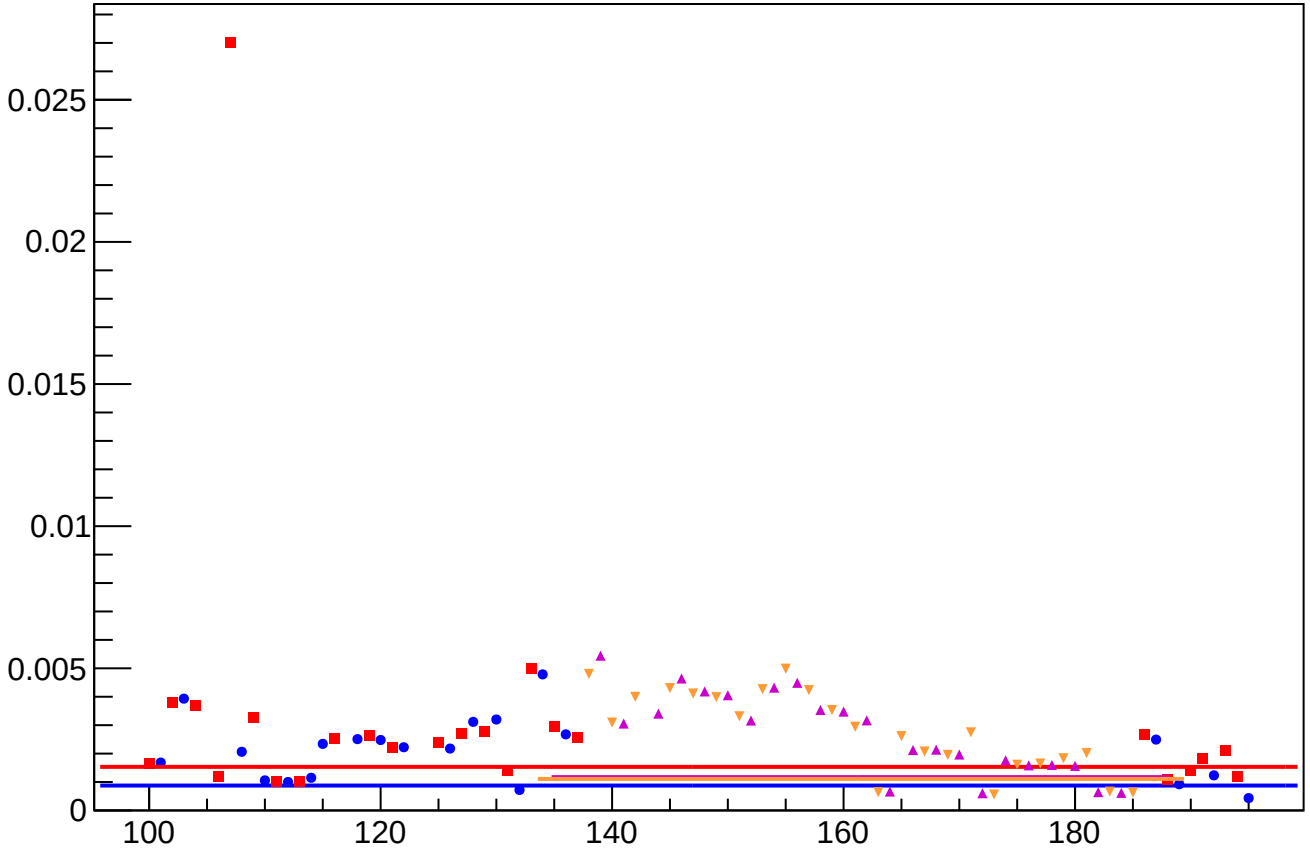
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.0/43

All: -0.000+/-0.000 χ^2/NDF: 134.9/90

- sign 0.000+/-0.000 χ^2/NDF: 44.9/46

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: 0.002+/-0.000 χ^2/NDF: 4153871.4/23

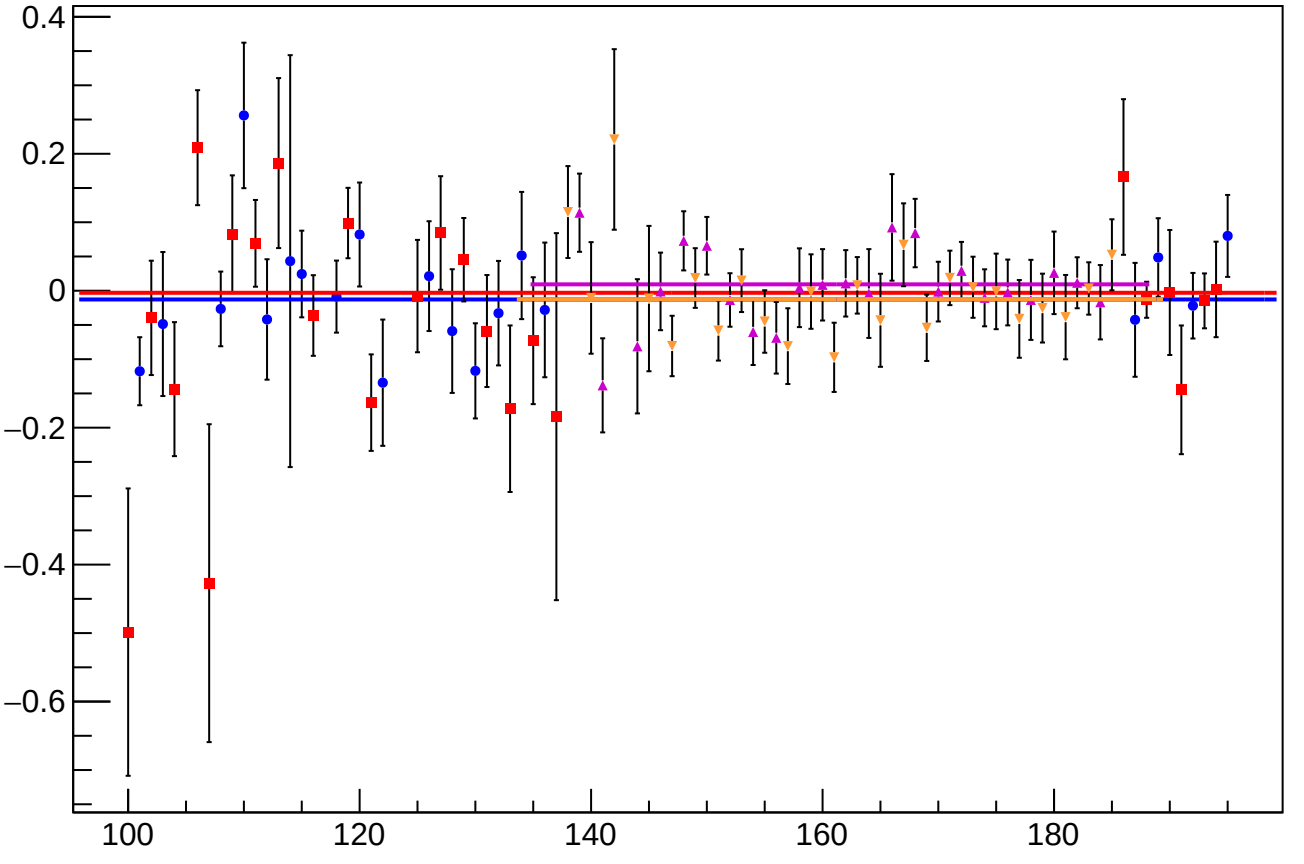
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 22499158.9/43

All: 0.001+/-0.000 χ^2/NDF: 42620737.0/90

- sign 0.001+/-0.000 χ^2/NDF: 19034801.8/46

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: -0.003+/-0.014 χ^2/NDF: 41.5/23

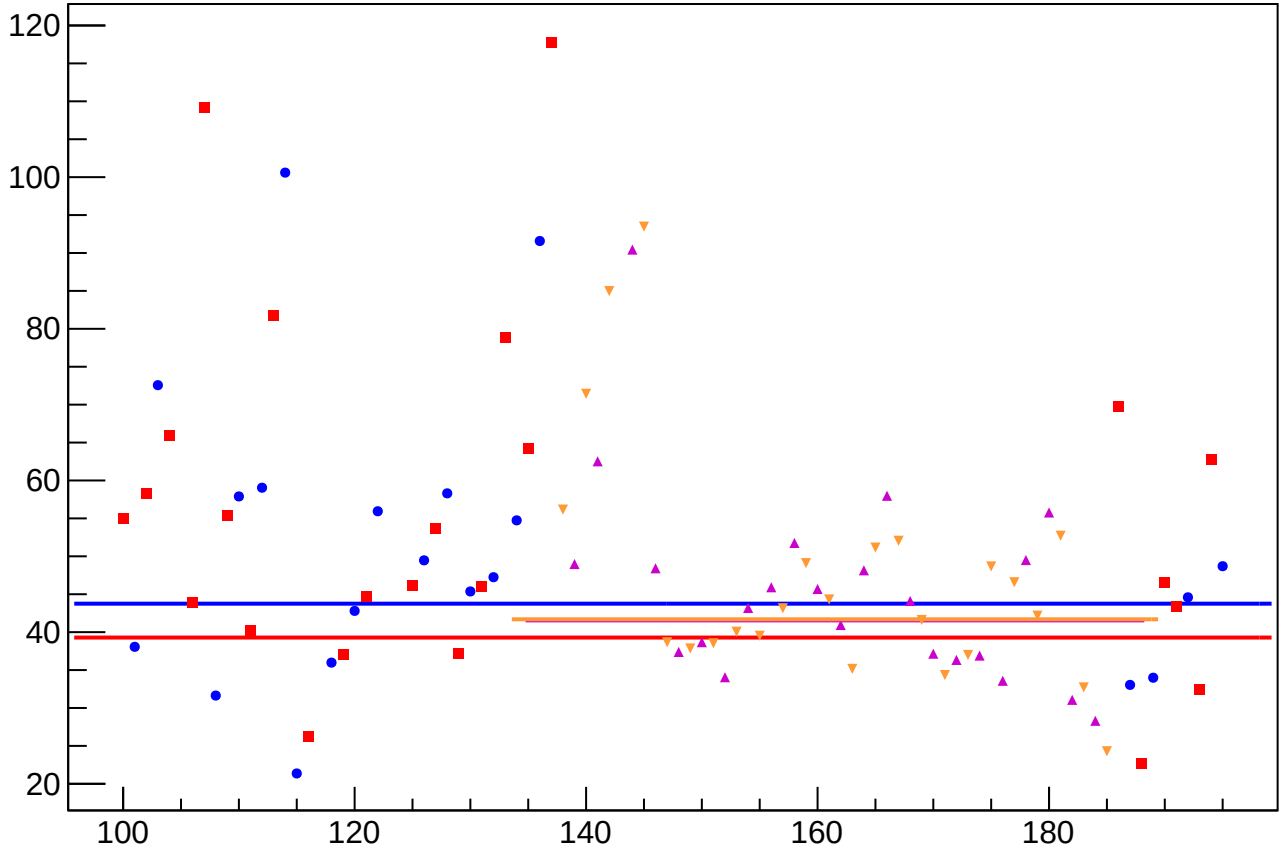
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.003+/-0.006 χ^2/NDF: 109.7/90

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

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: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

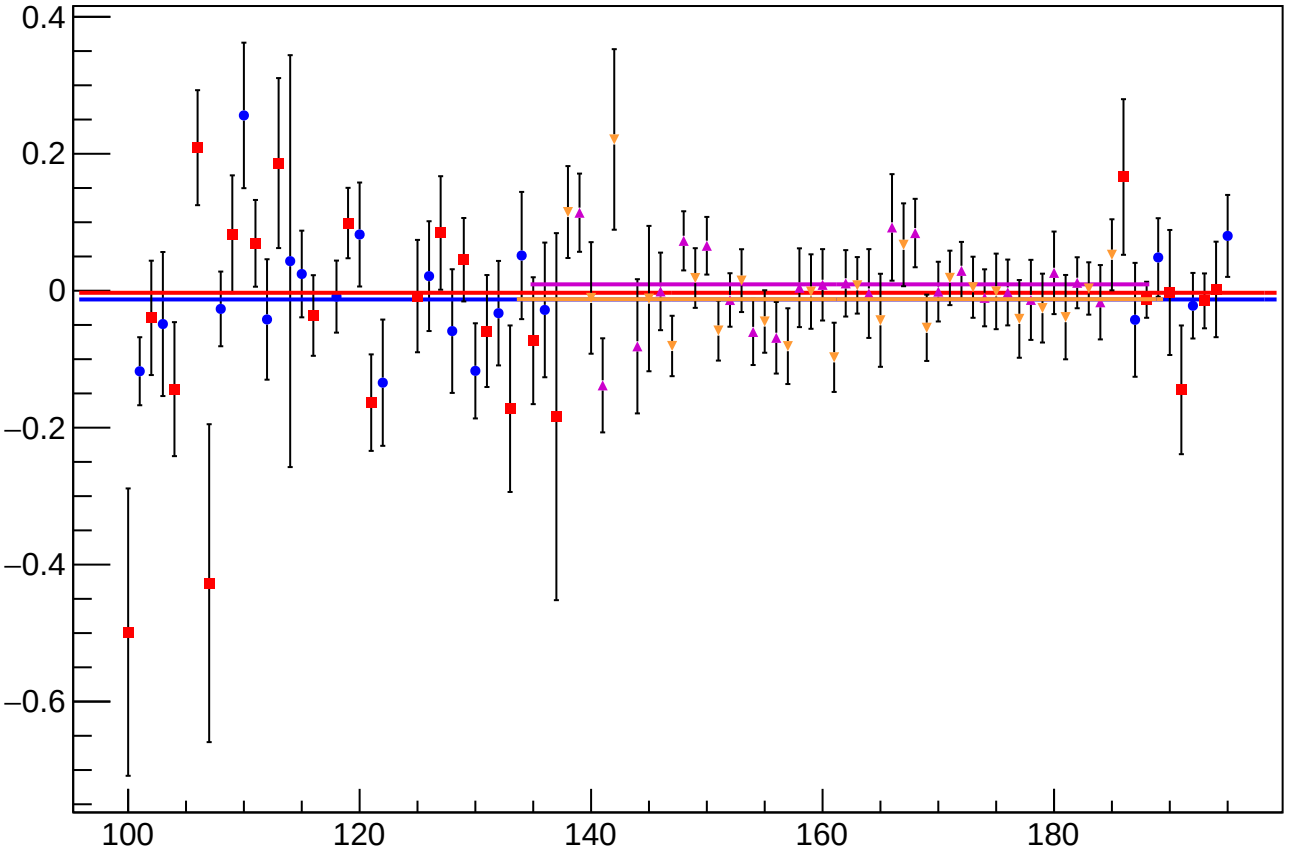
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.325+/-0.006 χ^2/NDF: 3290804.5/43

All: 41.487+/-0.004 χ^2/NDF: 7697755.7/90

- sign 40.724+/-0.006 χ^2/NDF: 4371857.4/46

asym_usl_eigen_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: -0.003+/-0.014 χ^2/NDF: 41.5/23

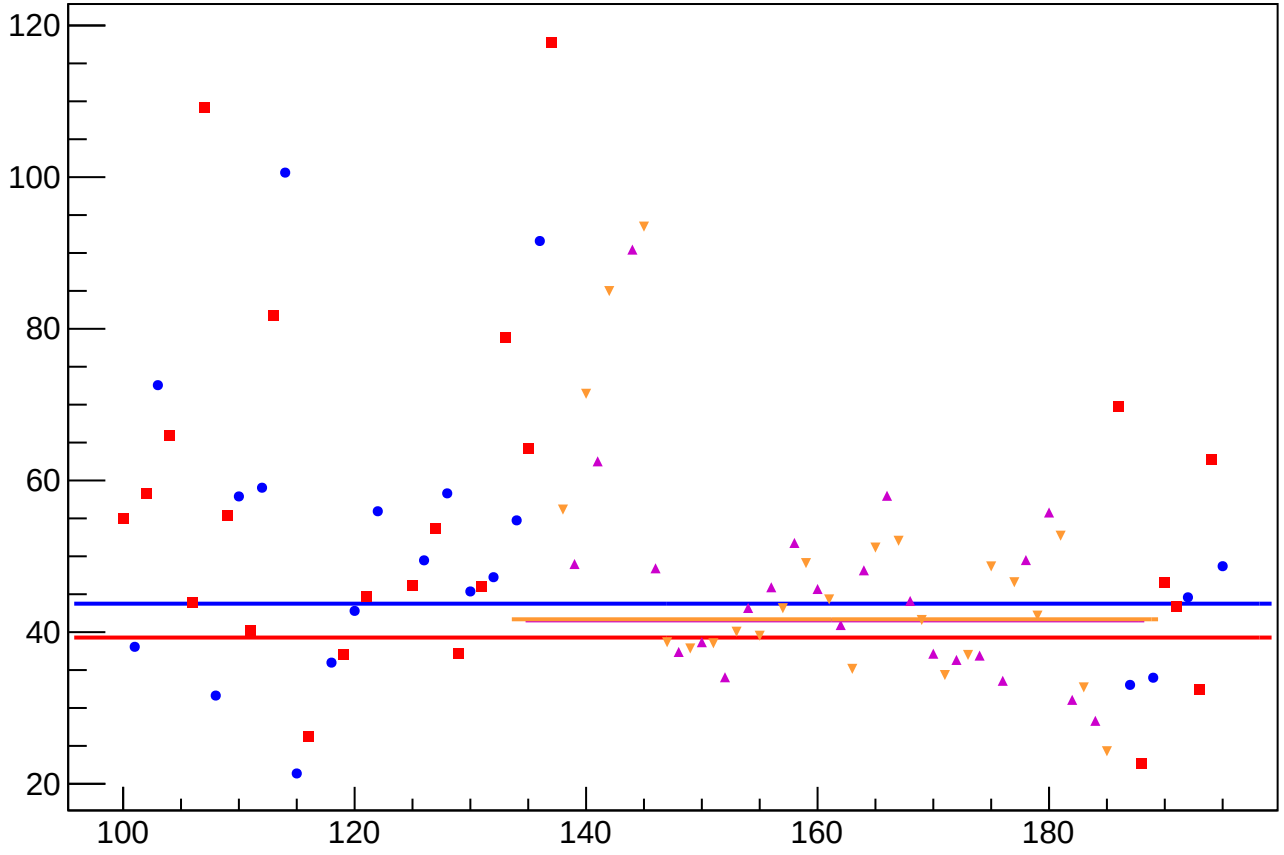
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.003+/-0.006 χ^2/NDF: 109.7/90

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

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: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

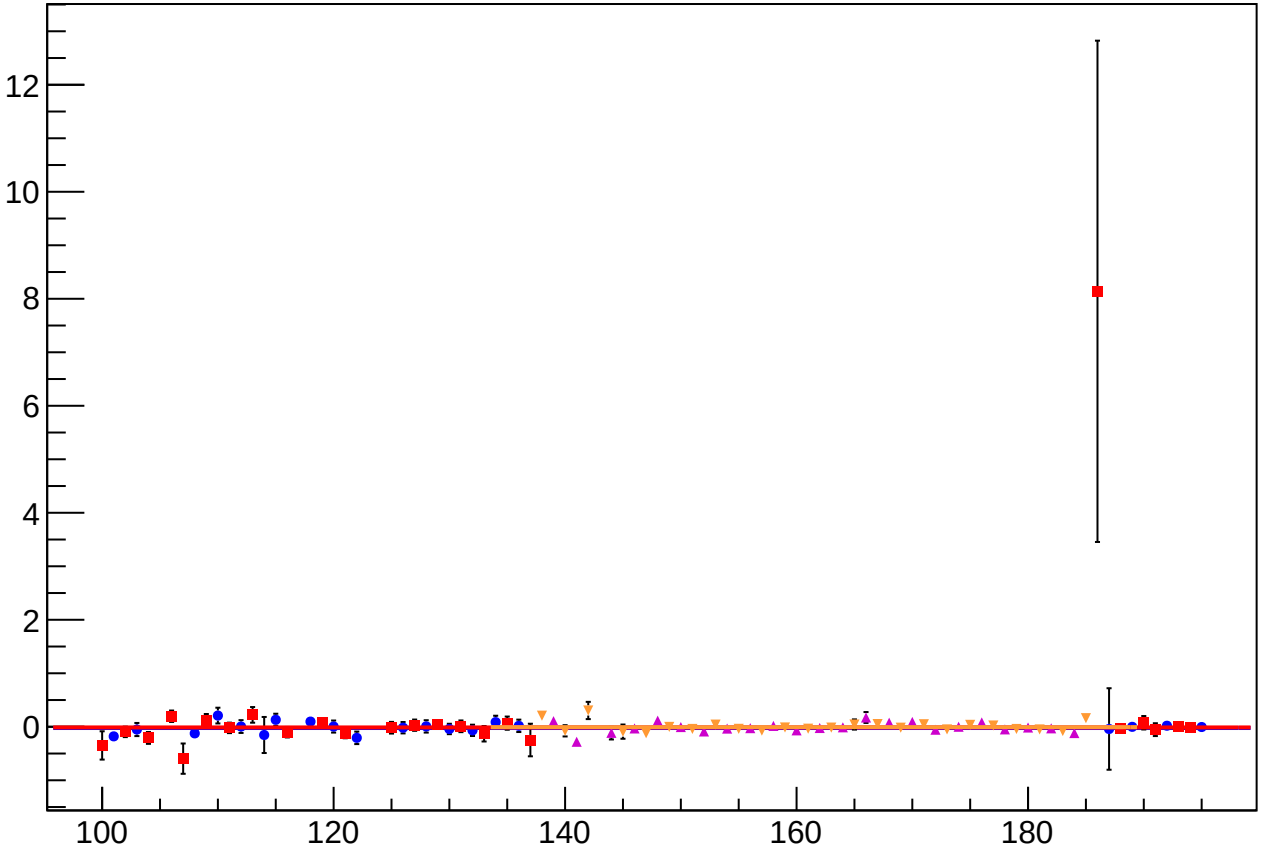
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.325+/-0.006 χ^2/NDF: 3290804.5/43

All: 41.487+/-0.004 χ^2/NDF: 7697755.7/90

- sign 40.724+/-0.006 χ^2/NDF: 4371857.4/46

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: -0.012+/-0.021 χ^2/NDF: 26.8/23

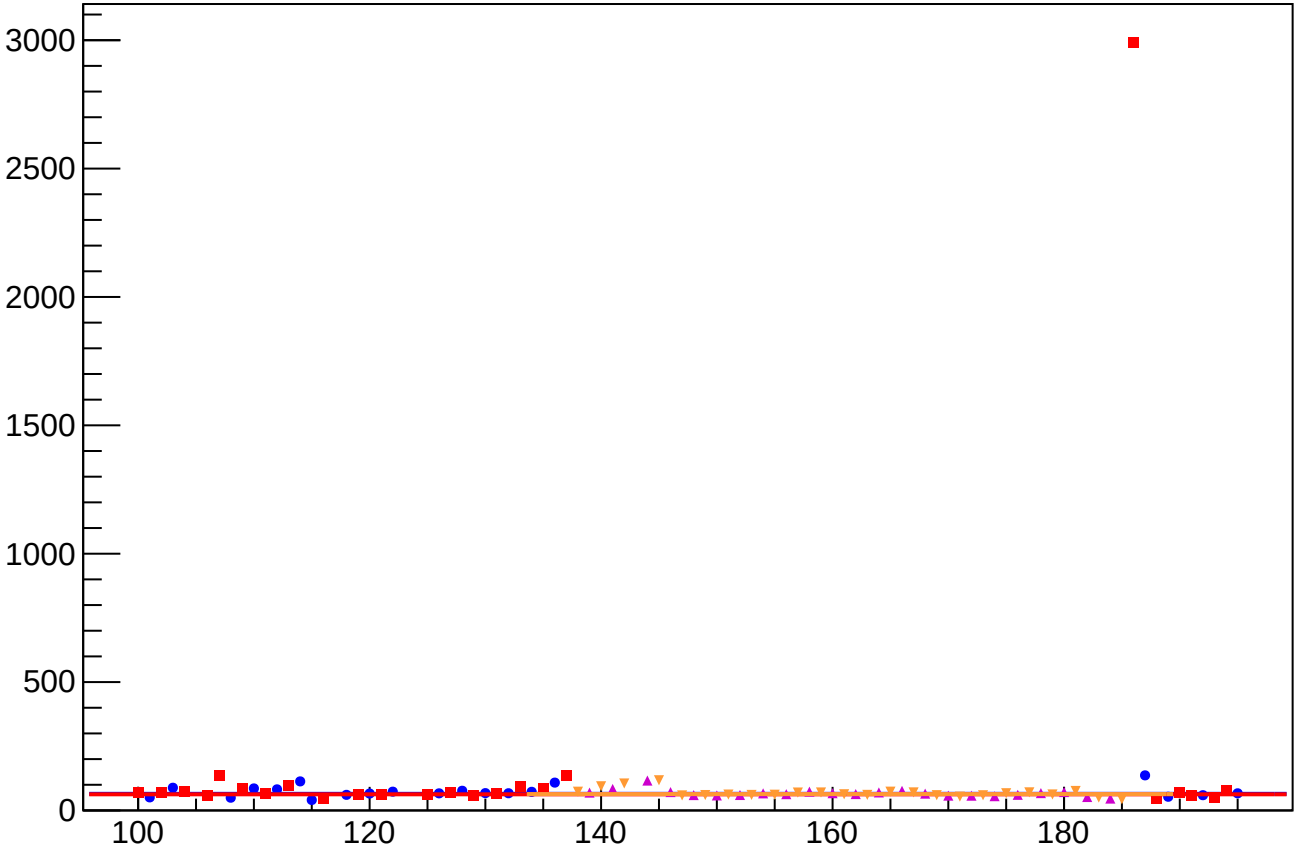
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.3/43

All: -0.011+/-0.009 χ^2/NDF: 97.3/90

- sign -0.009+/-0.012 χ^2/NDF: 55.0/46

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: 62.870+/-0.015 χ^2/NDF: 1858942.2/23

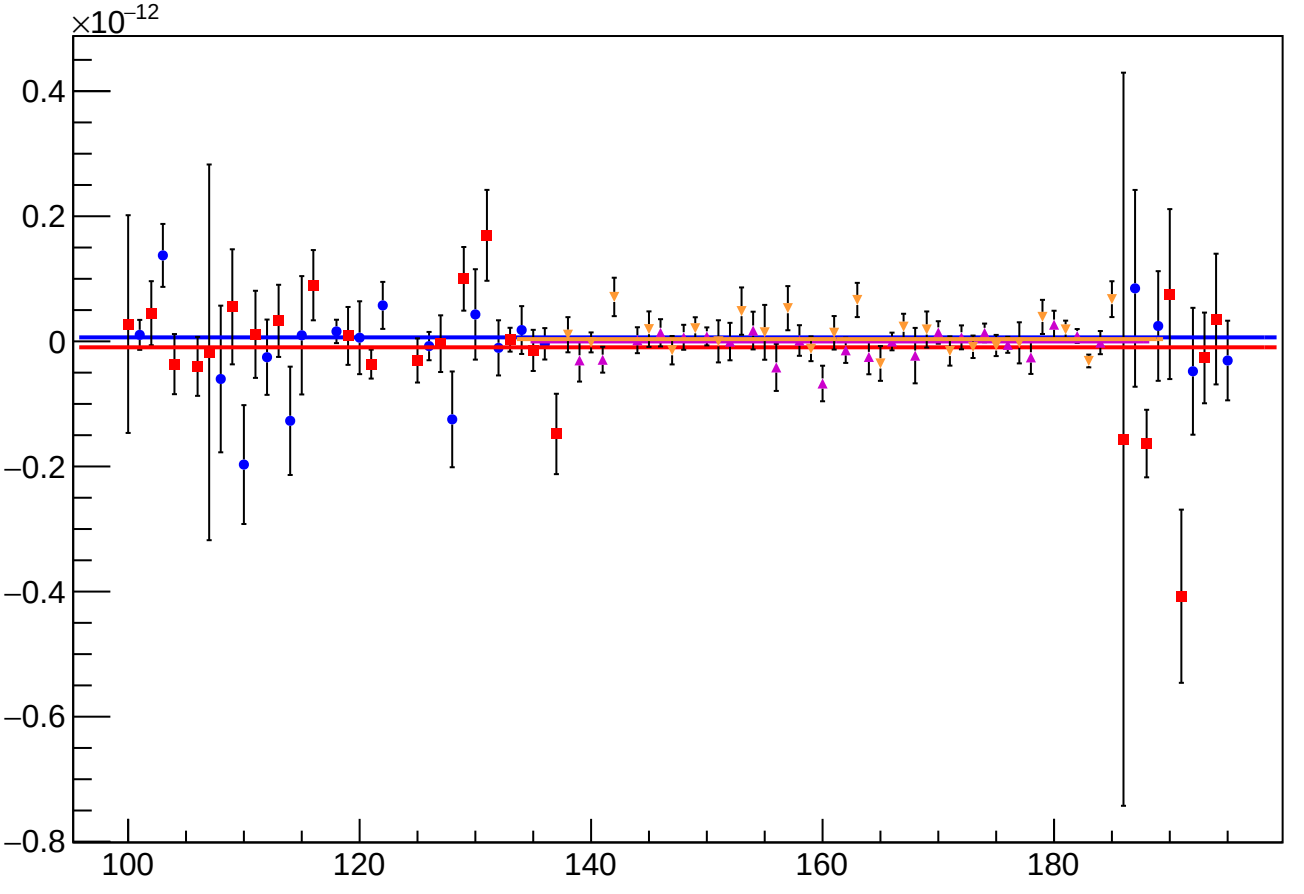
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.082+/-0.009 χ^2/NDF: 1928180.6/43

All: 63.845+/-0.006 χ^2/NDF: 4631331.5/90

- sign 63.618+/-0.009 χ^2/NDF: 2701785.0/46

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: 40.9/23

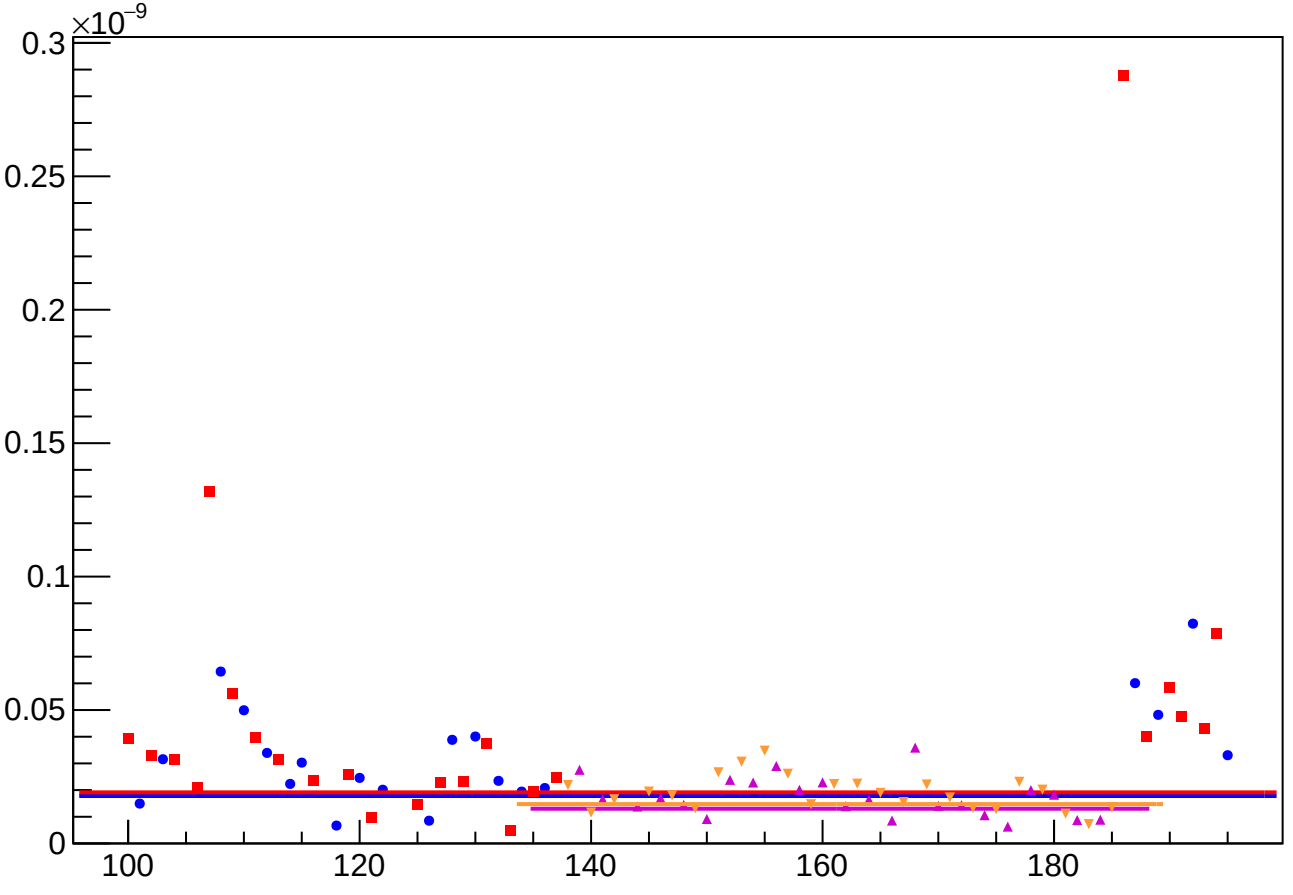
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/43

All: 0.000+/-0.000 χ^2/NDF: 122.0/90

- sign -0.000+/-0.000 χ^2/NDF: 58.8/46

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3699069.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4713638.6/23

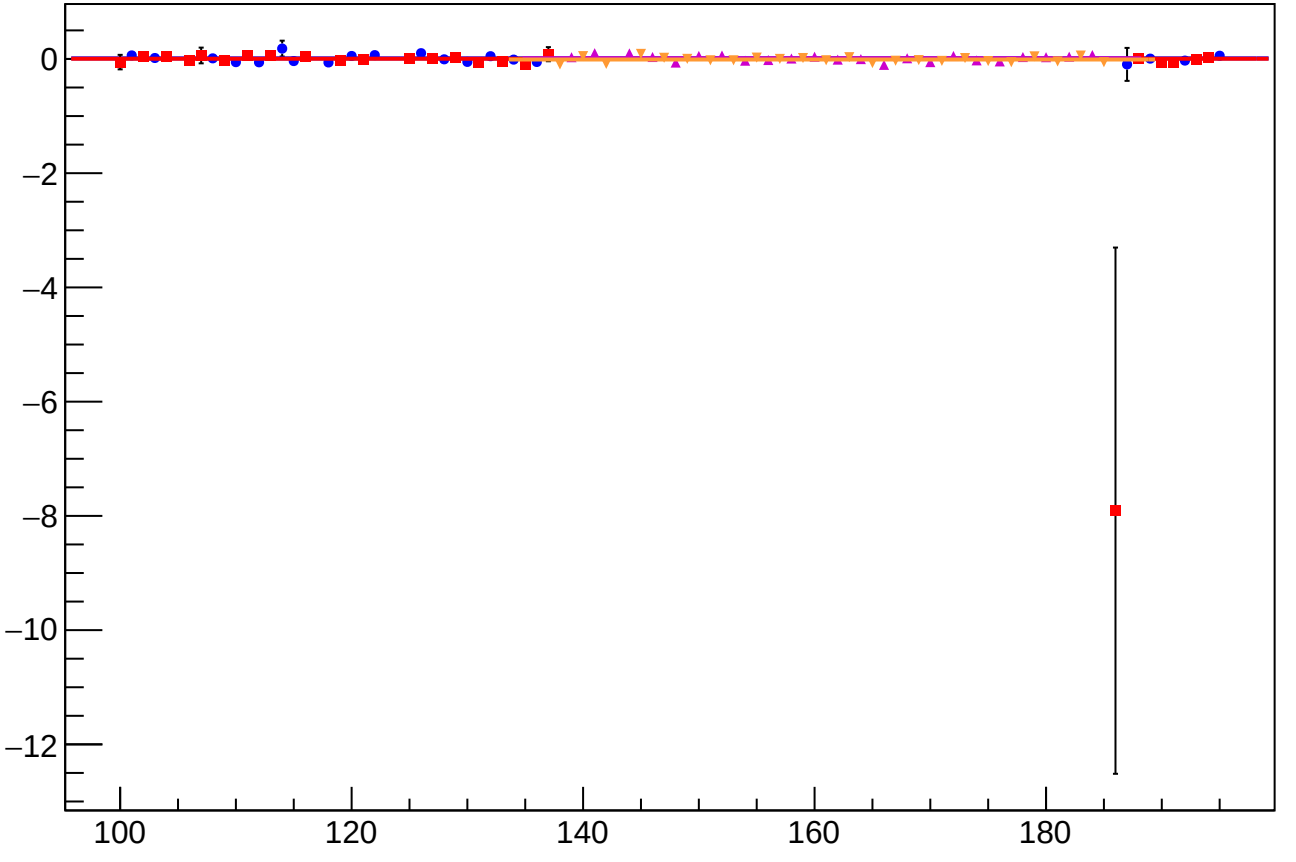
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7414916.5/43

All: 0.000+/-0.000 χ^2/NDF: 16889250.7/90

- sign 0.000+/-0.000 χ^2/NDF: 9345402.2/46

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+/-0.011 χ^2/NDF: 16.0/23

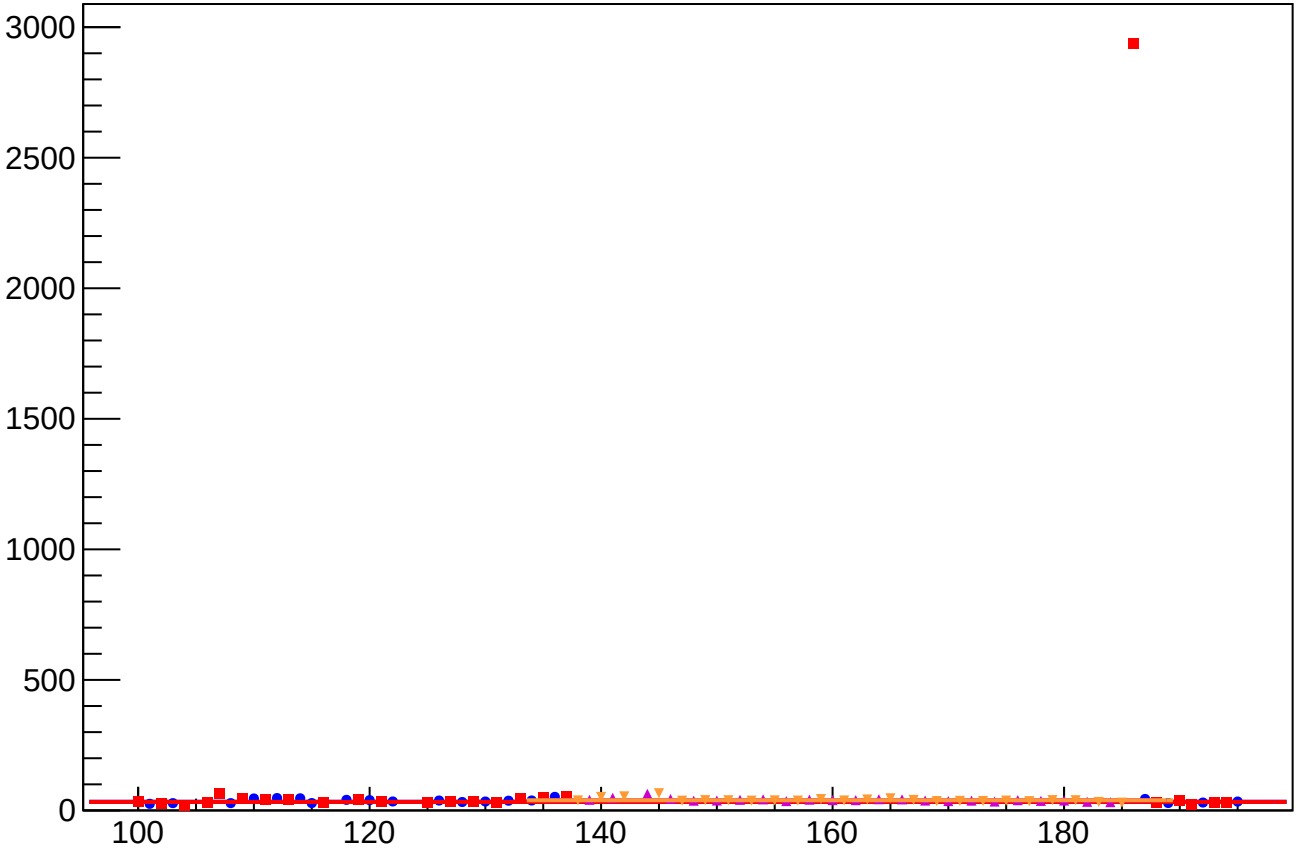
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/43

All: 0.003+/-0.005 χ^2/NDF: 79.5/90

- sign 0.008+/-0.007 χ^2/NDF: 39.5/46

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

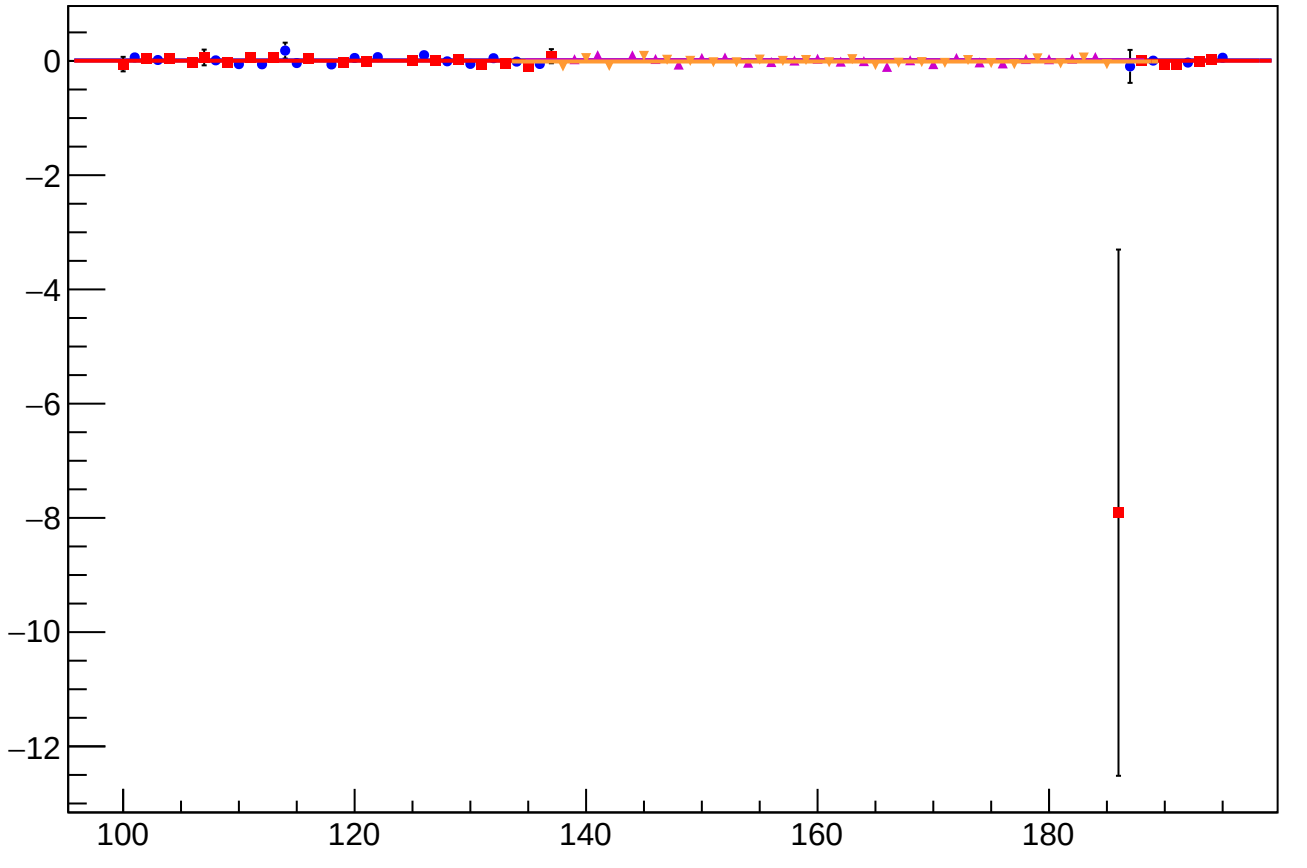
Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

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

\+ sign 36.721+/-0.005 χ^2/NDF: 1593659.6/43

All: 36.500+/-0.004 χ^2/NDF: 4338793.1/90

\- sign 36.287+/-0.005 χ^2/NDF: 2741530.0/46



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+/-0.011 χ^2/NDF: 16.0/23

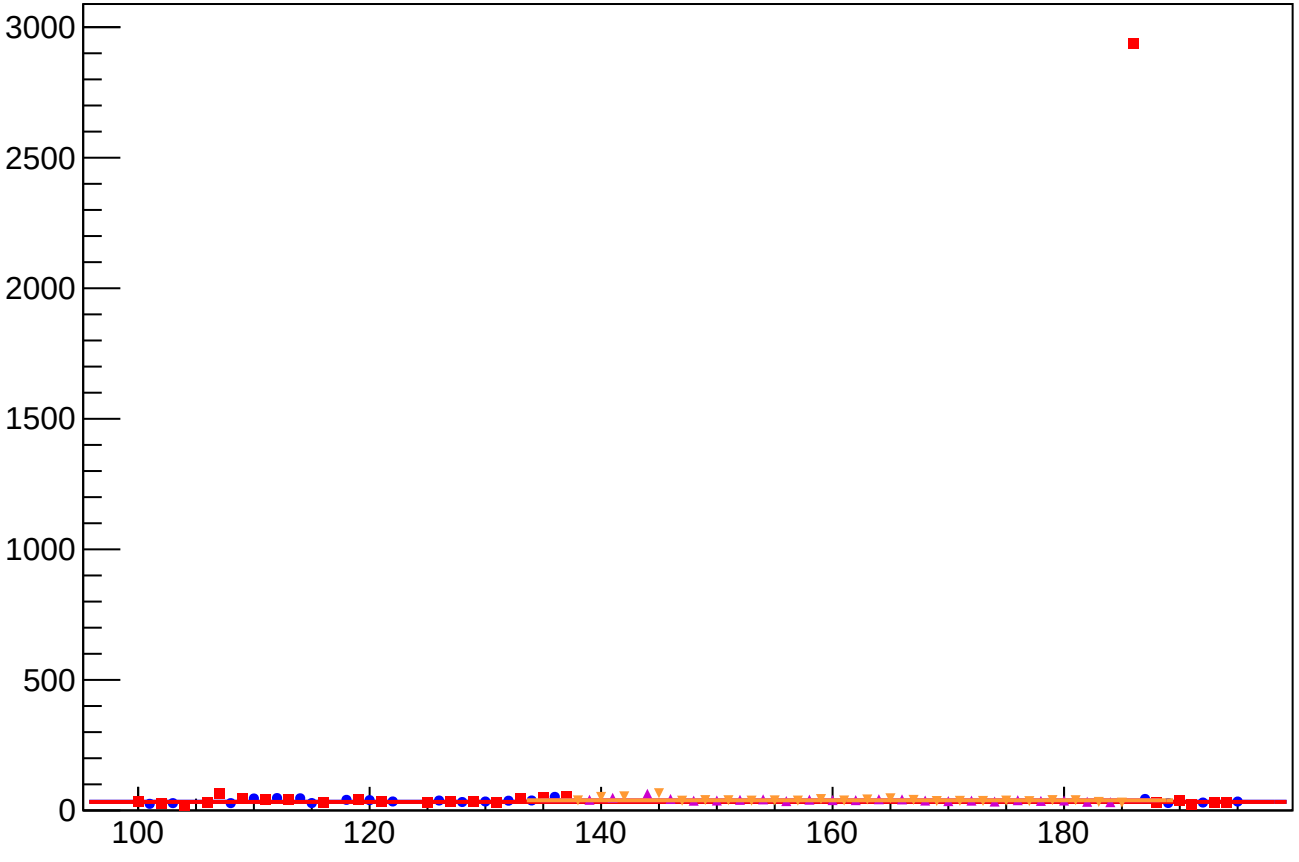
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/43

All: 0.003+/-0.005 χ^2/NDF: 79.5/90

- sign 0.008+/-0.007 χ^2/NDF: 39.5/46

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: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

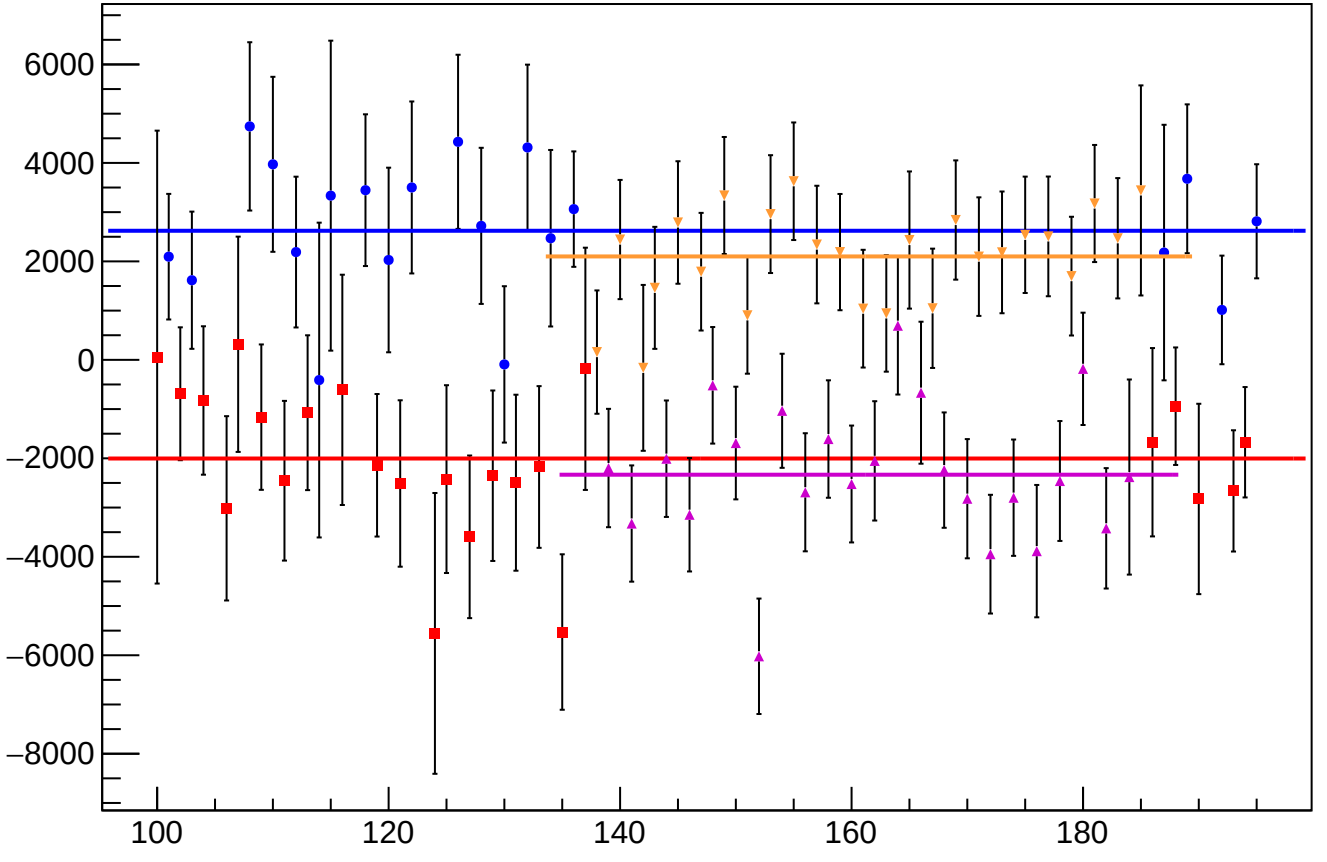
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.721+/-0.005 χ^2/NDF: 1593659.6/43

All: 36.500+/-0.004 χ^2/NDF: 4338793.1/90

- sign 36.287+/-0.005 χ^2/NDF: 2741530.0/46

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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

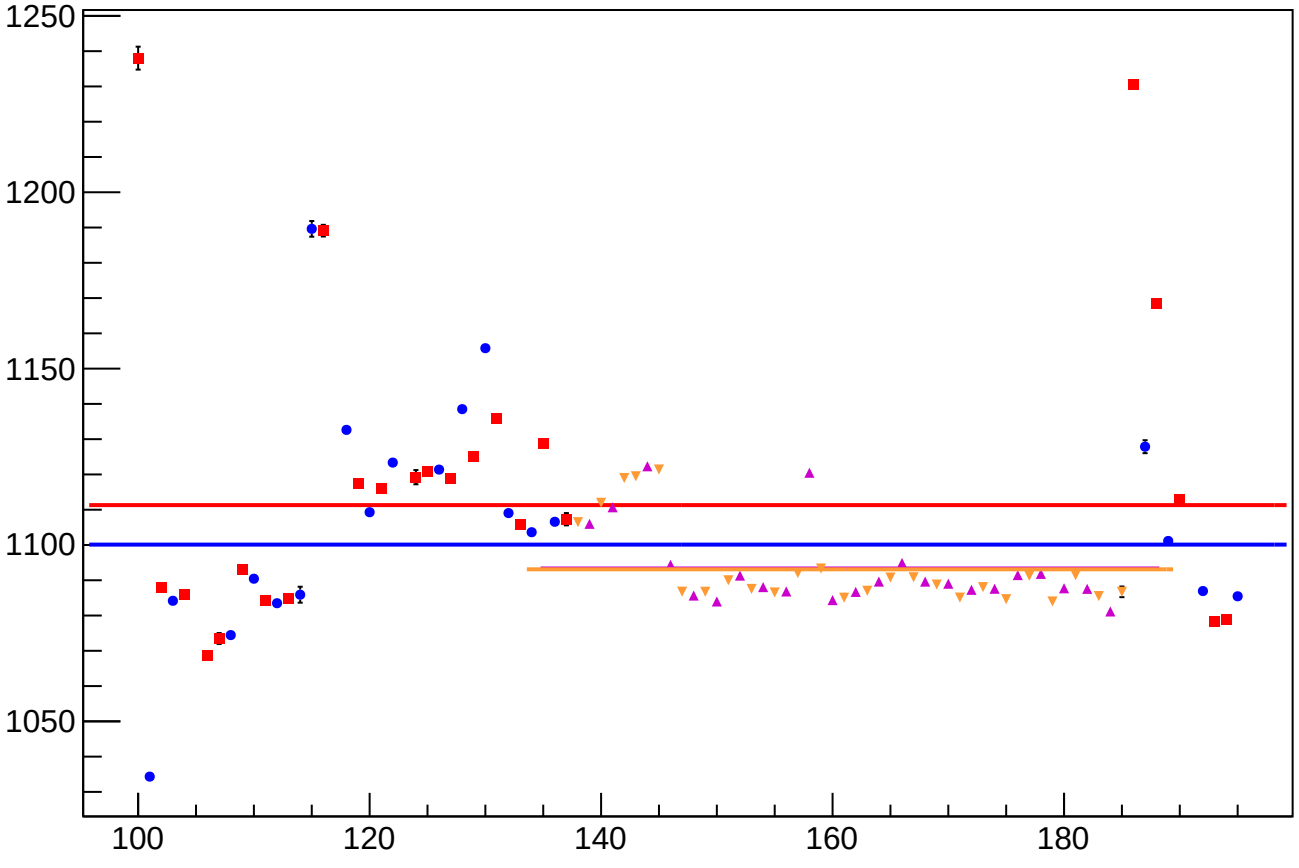
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 37.652+/-143.590 χ^2/NDF: 315.7/91

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

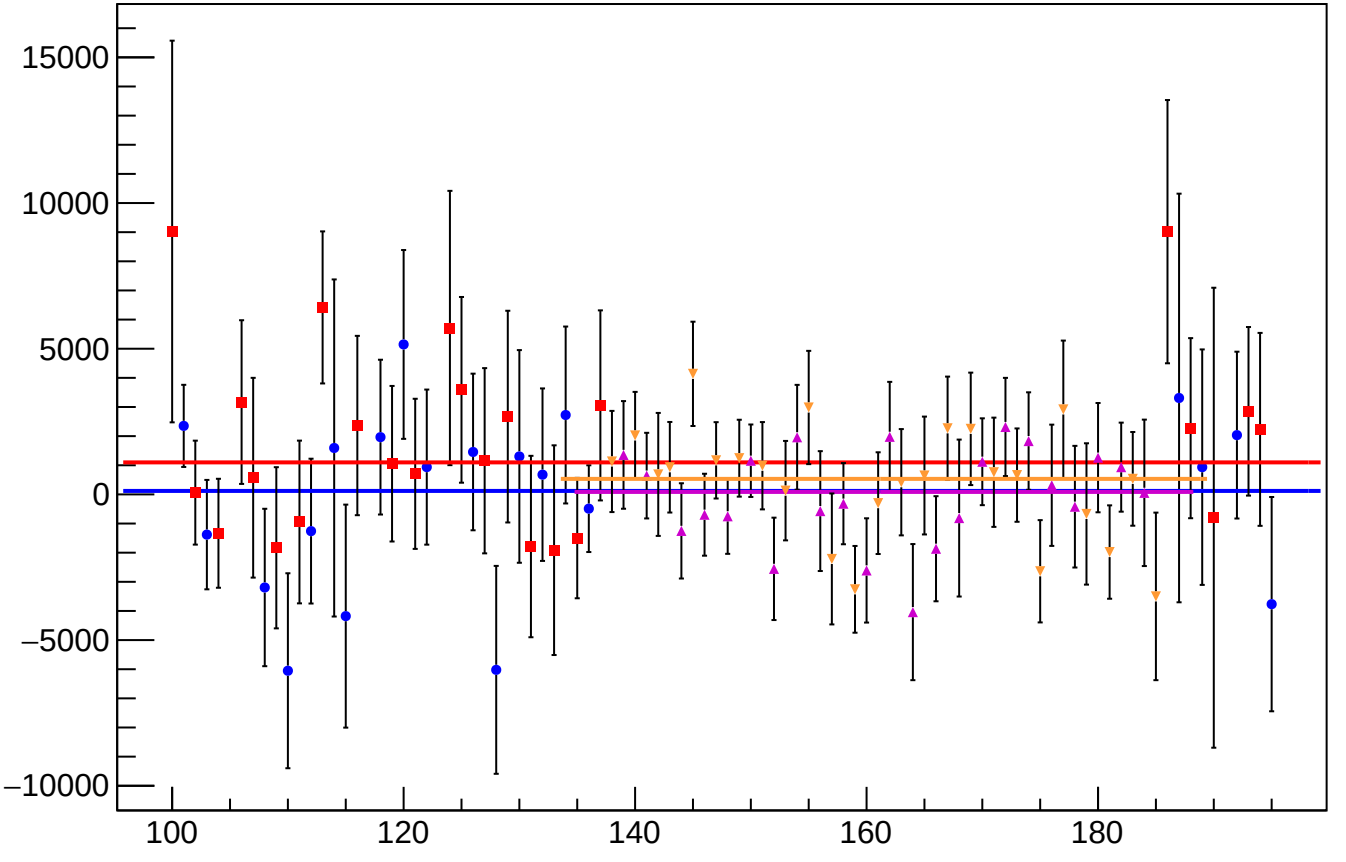
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

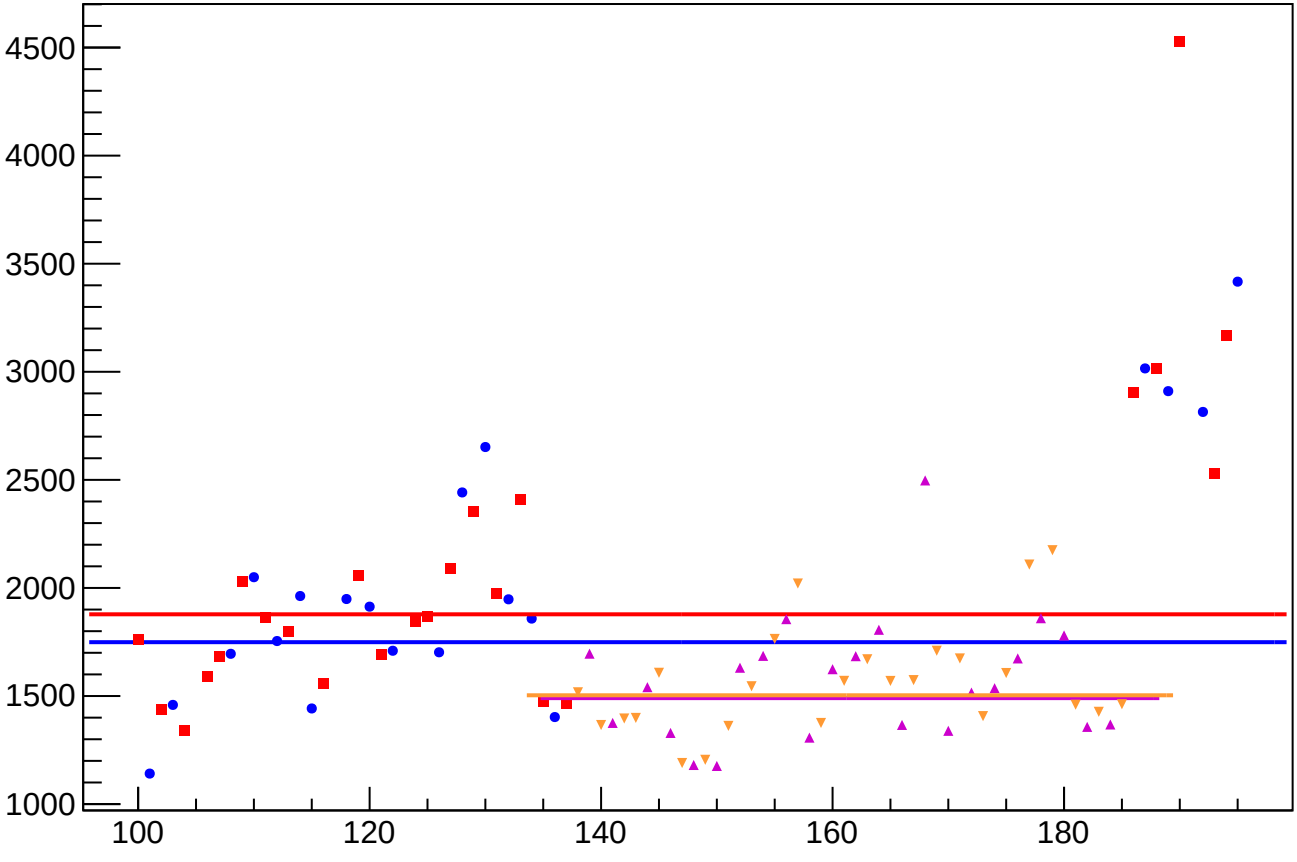
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 389.412+/-213.116 χ^2/NDF: 84.9/91

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

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: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

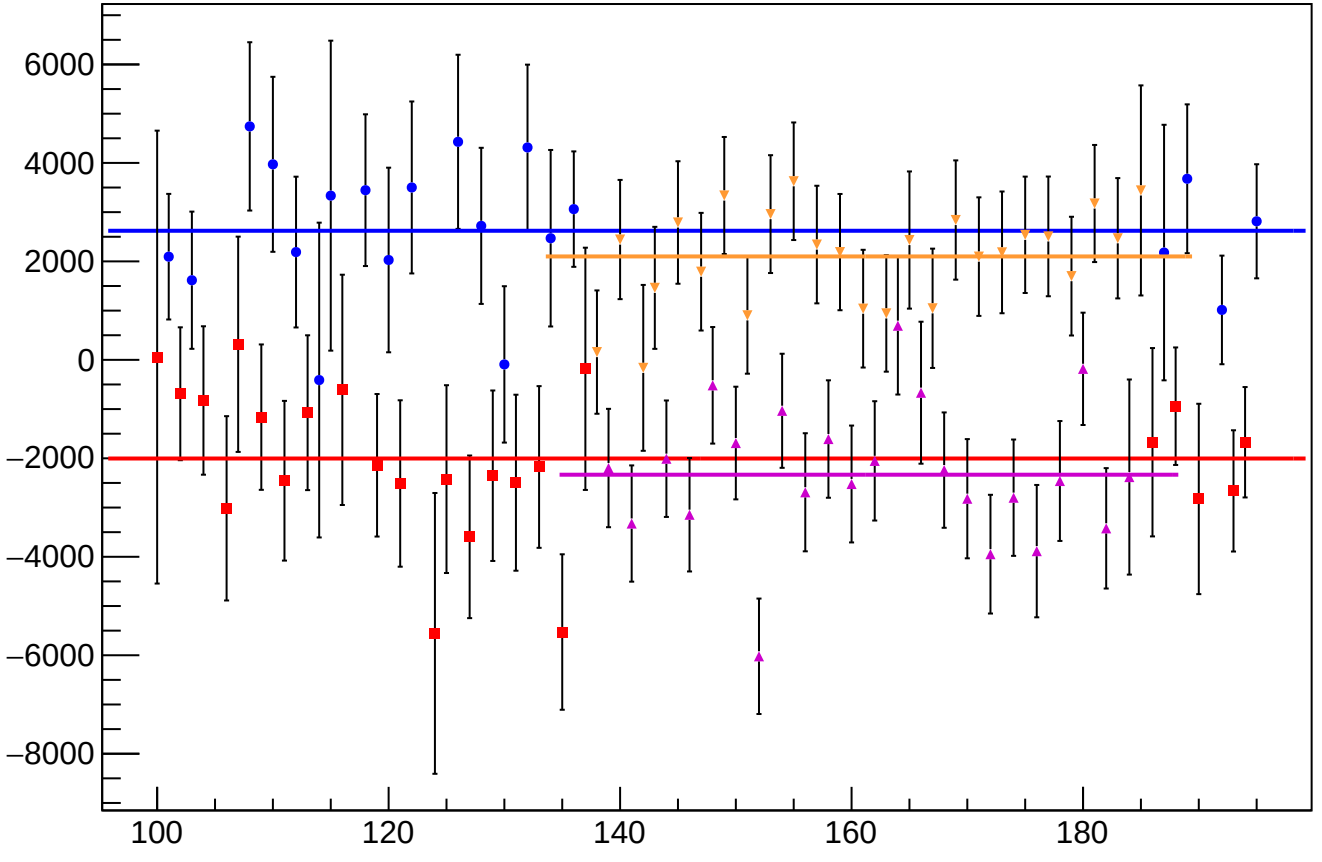
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46

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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

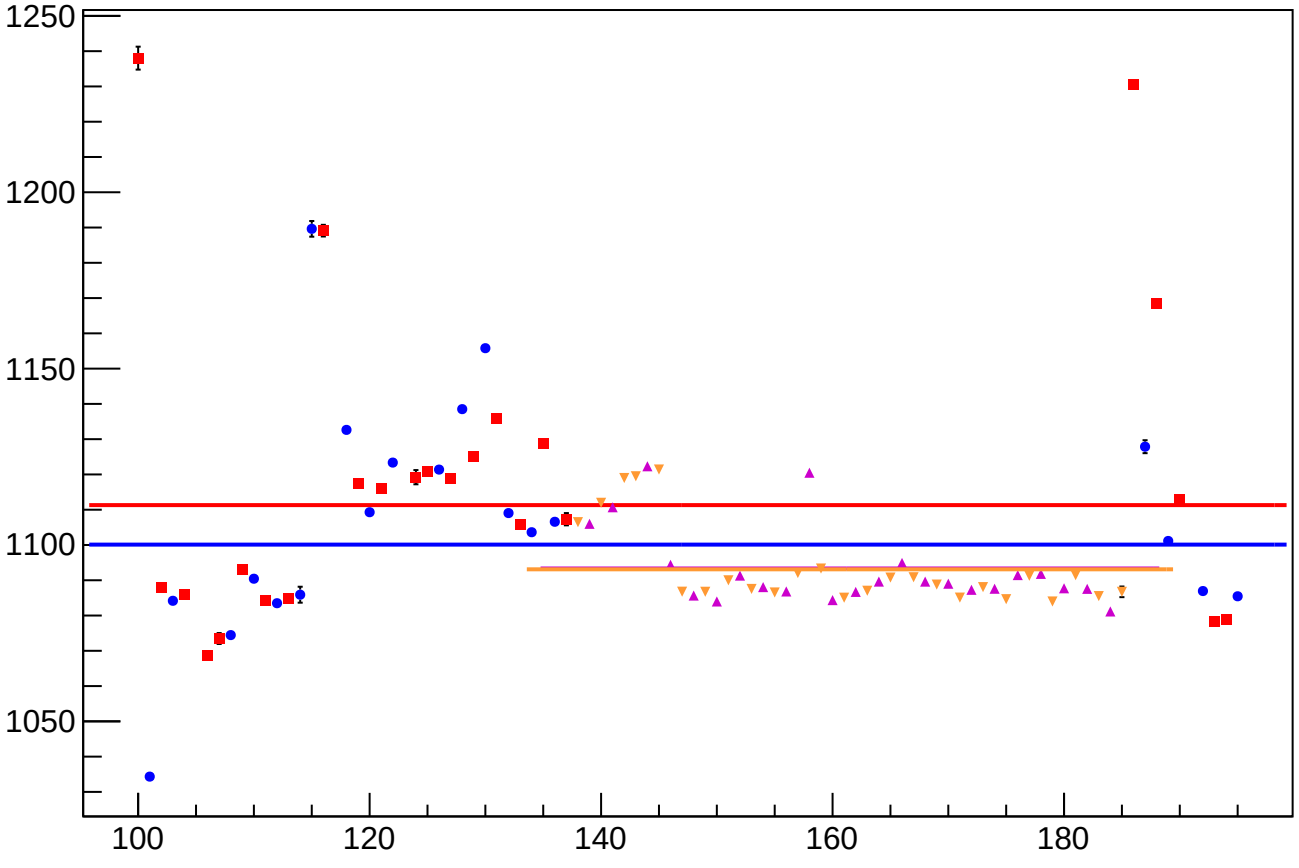
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 37.652+/-143.590 χ^2/NDF: 315.7/91

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

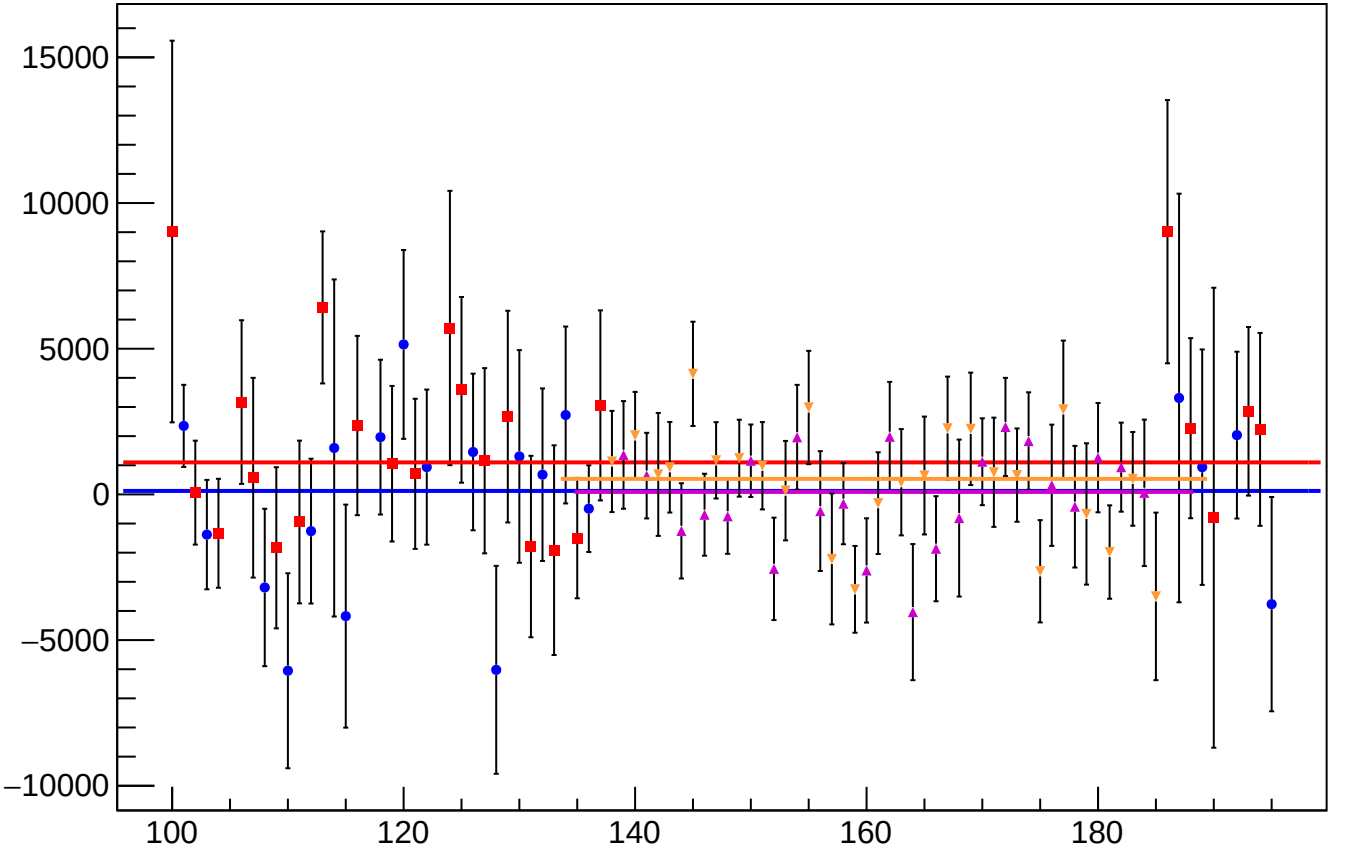
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

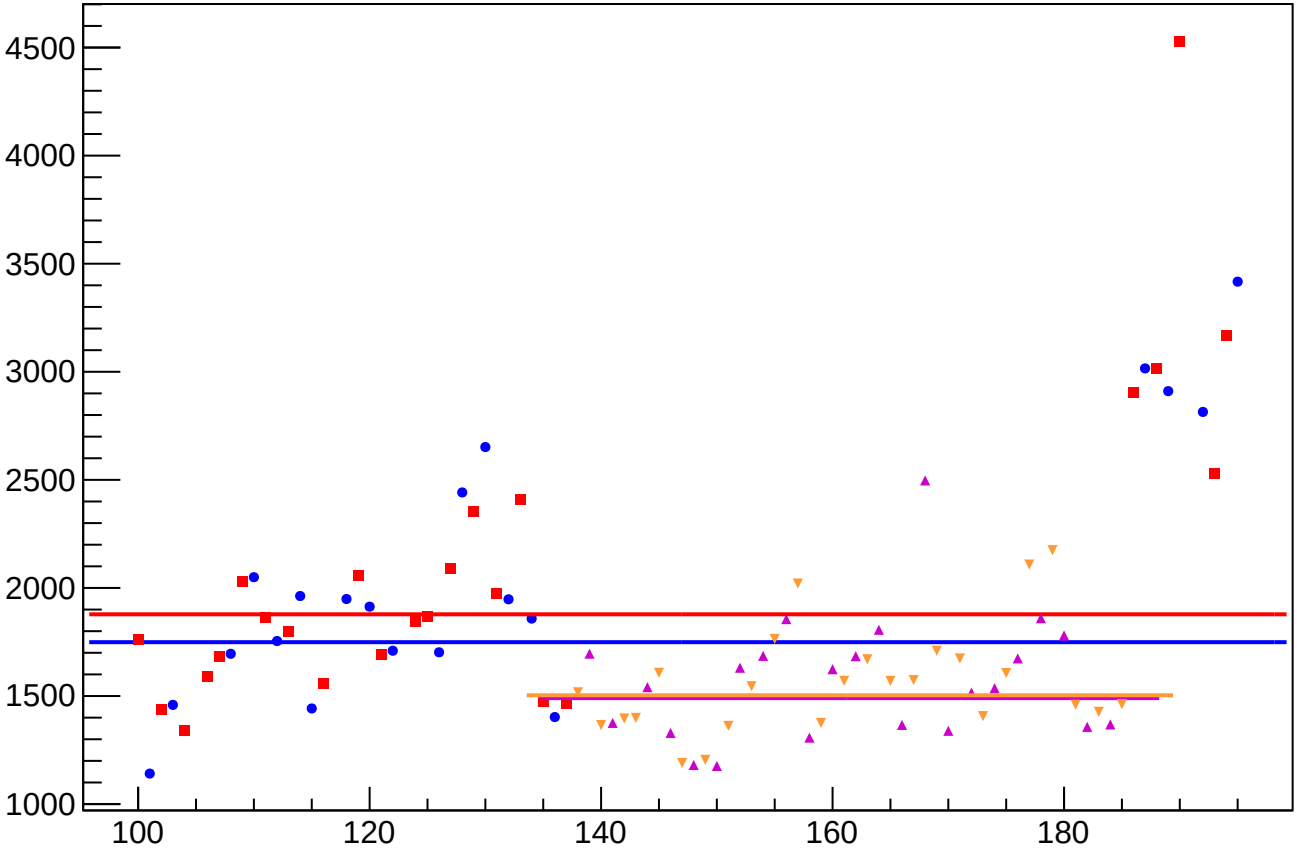
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 389.412+/-213.116 χ^2/NDF: 84.9/91

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

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: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

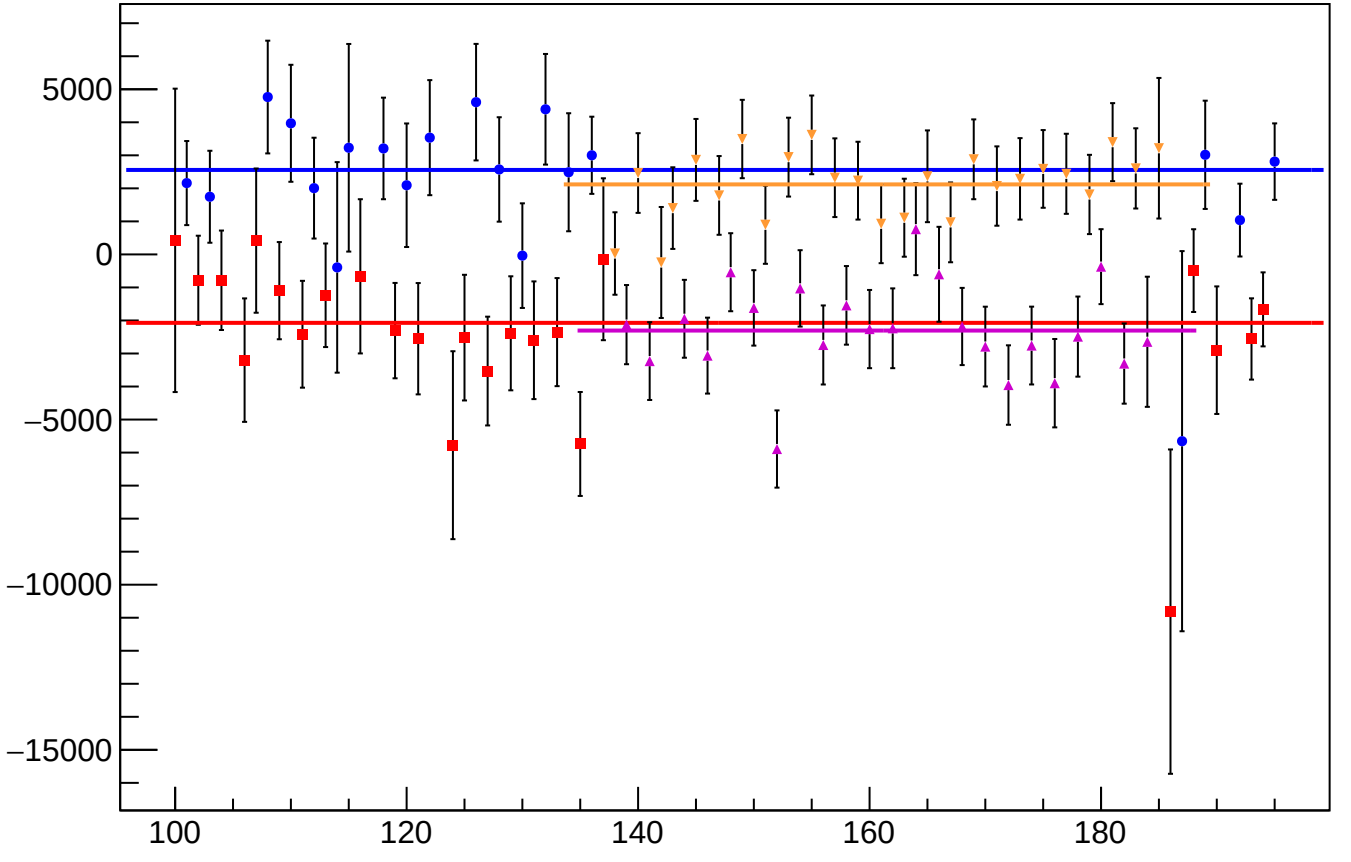
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46

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: -2072.017+/-341.637 χ^2/NDF: 18.8/23

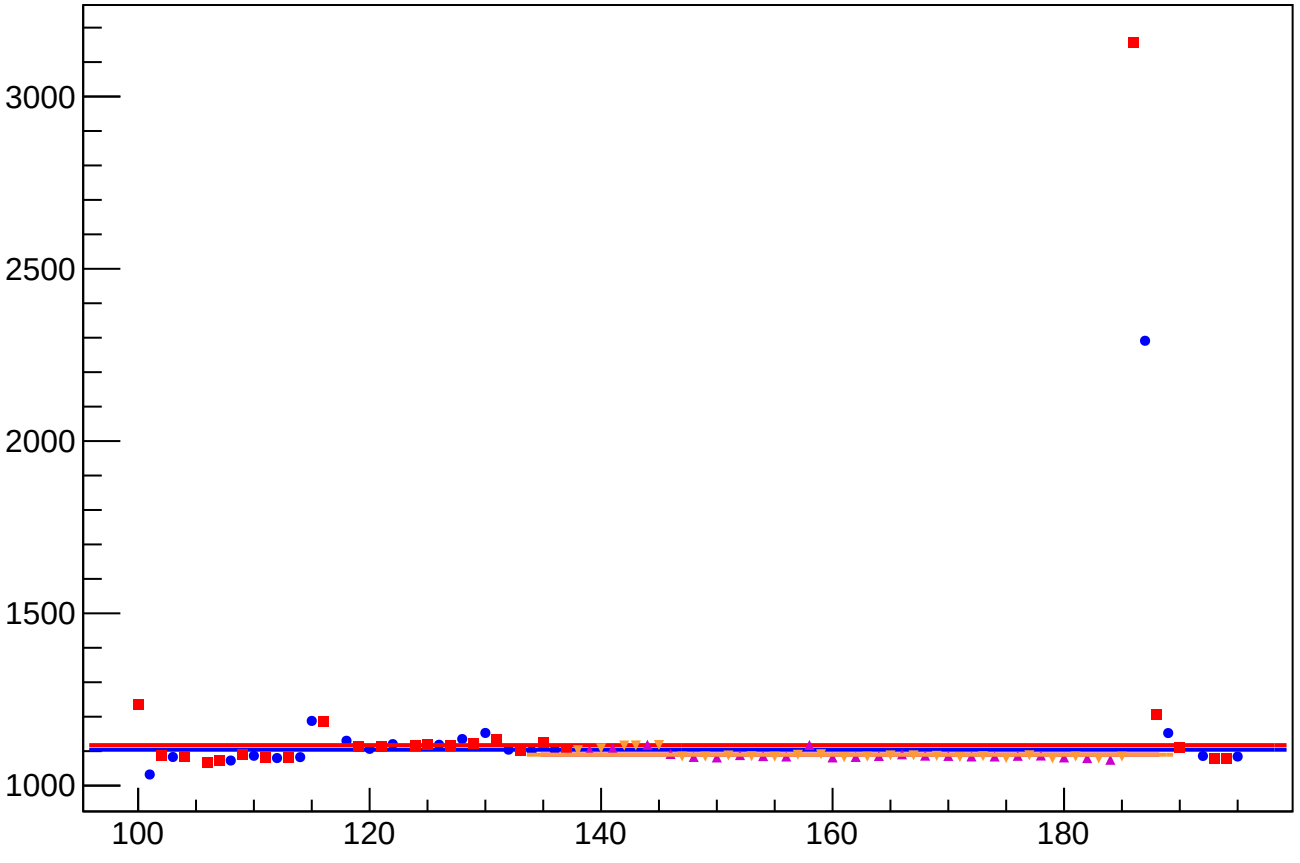
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2263.404+/-202.959 χ^2/NDF: 29.9/44

All: 33.135+/-143.913 χ^2/NDF: 320.4/91

- sign -2222.117+/-204.093 χ^2/NDF: 47.6/46

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: 1117.513+/-0.242 χ^2/NDF: 369671.2/23

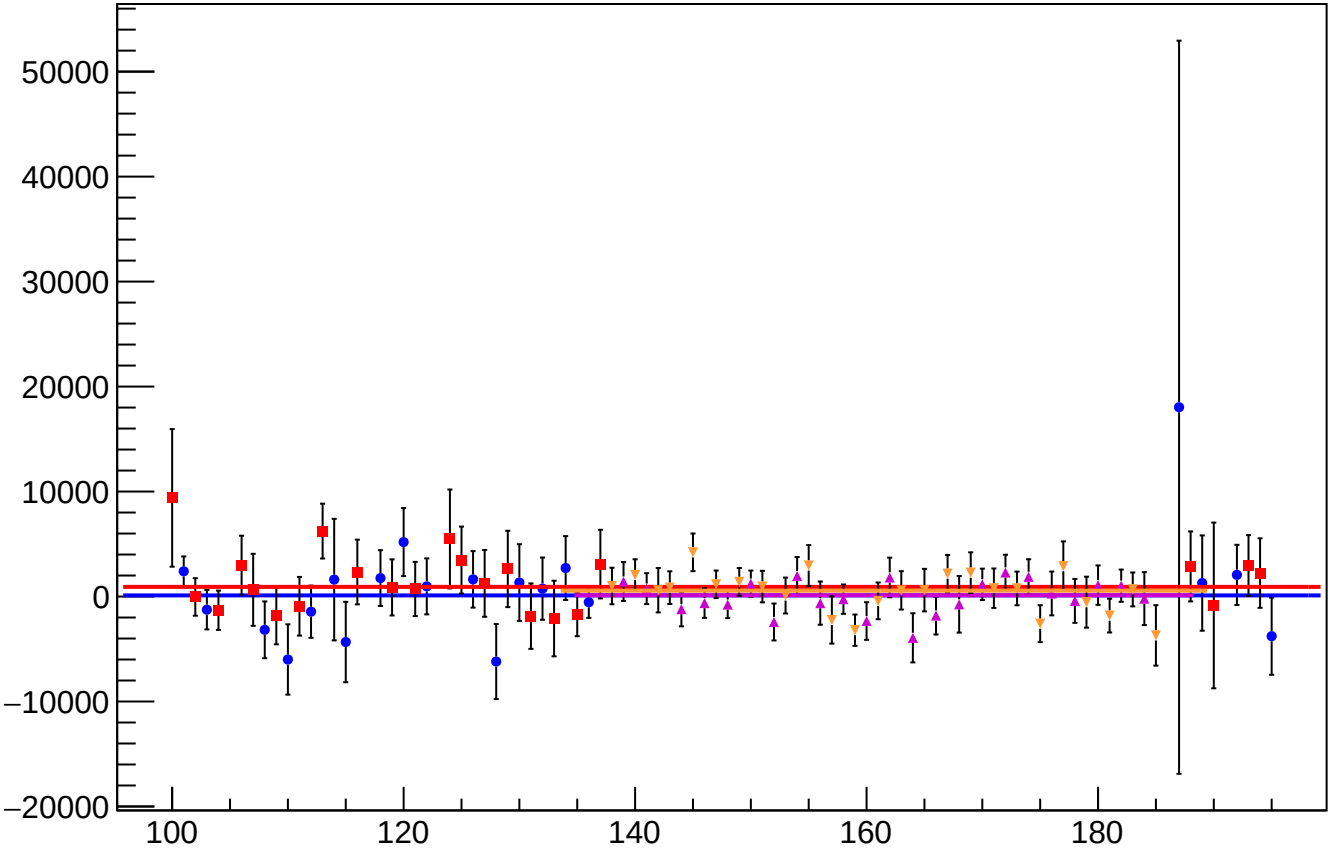
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

\+ sign 1094.462+/-0.144 χ^2/NDF: 107499.6/44

All: 1097.114+/-0.102 χ^2/NDF: 490117.4/91

\- sign 1099.796+/-0.144 χ^2/NDF: 381931.0/46

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: 919.008+/-600.117 χ^2/NDF: 16.1/22

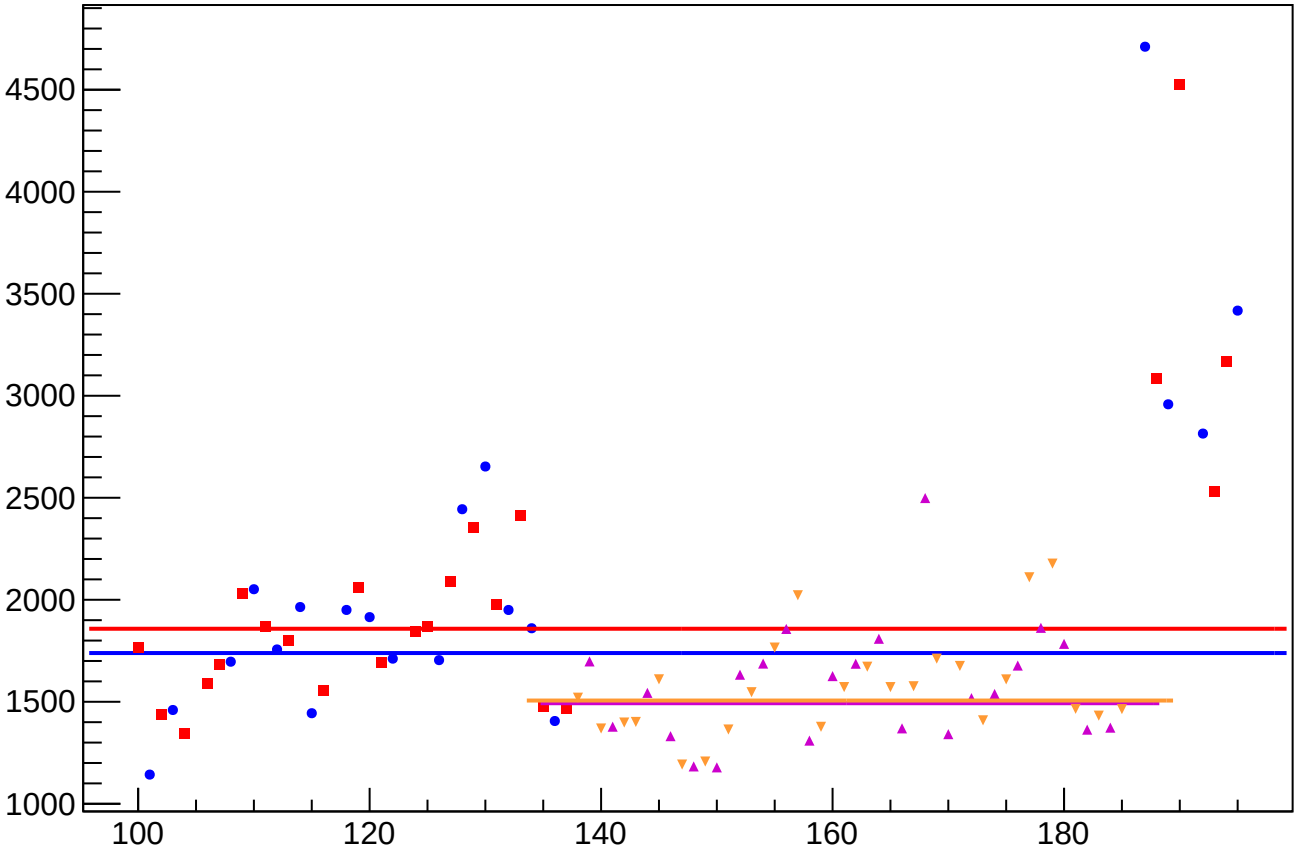
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 438.875+/-299.847 χ^2/NDF: 45.7/44

All: 384.318+/-213.908 χ^2/NDF: 80.3/90

- sign 327.777+/-305.250 χ^2/NDF: 34.5/45

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: 1857.980+/-0.424 χ^2/NDF: 1448822.6/22

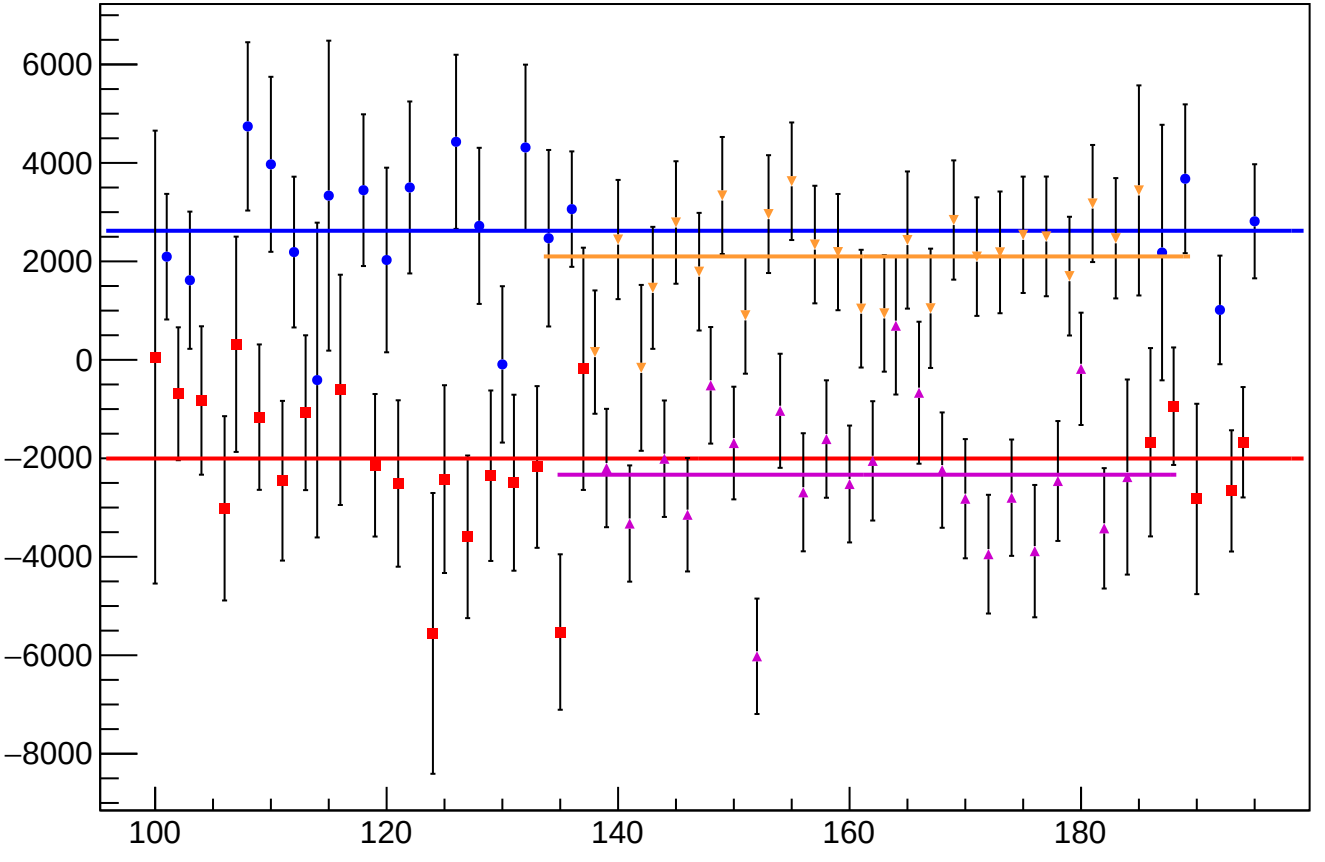
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

\+ sign 1565.881+/-0.212 χ^2/NDF: 2652910.3/44

All: 1576.454+/-0.151 χ^2/NDF: 5619597.8/90

\- sign 1587.412+/-0.216 χ^2/NDF: 2961623.6/45

eigen_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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

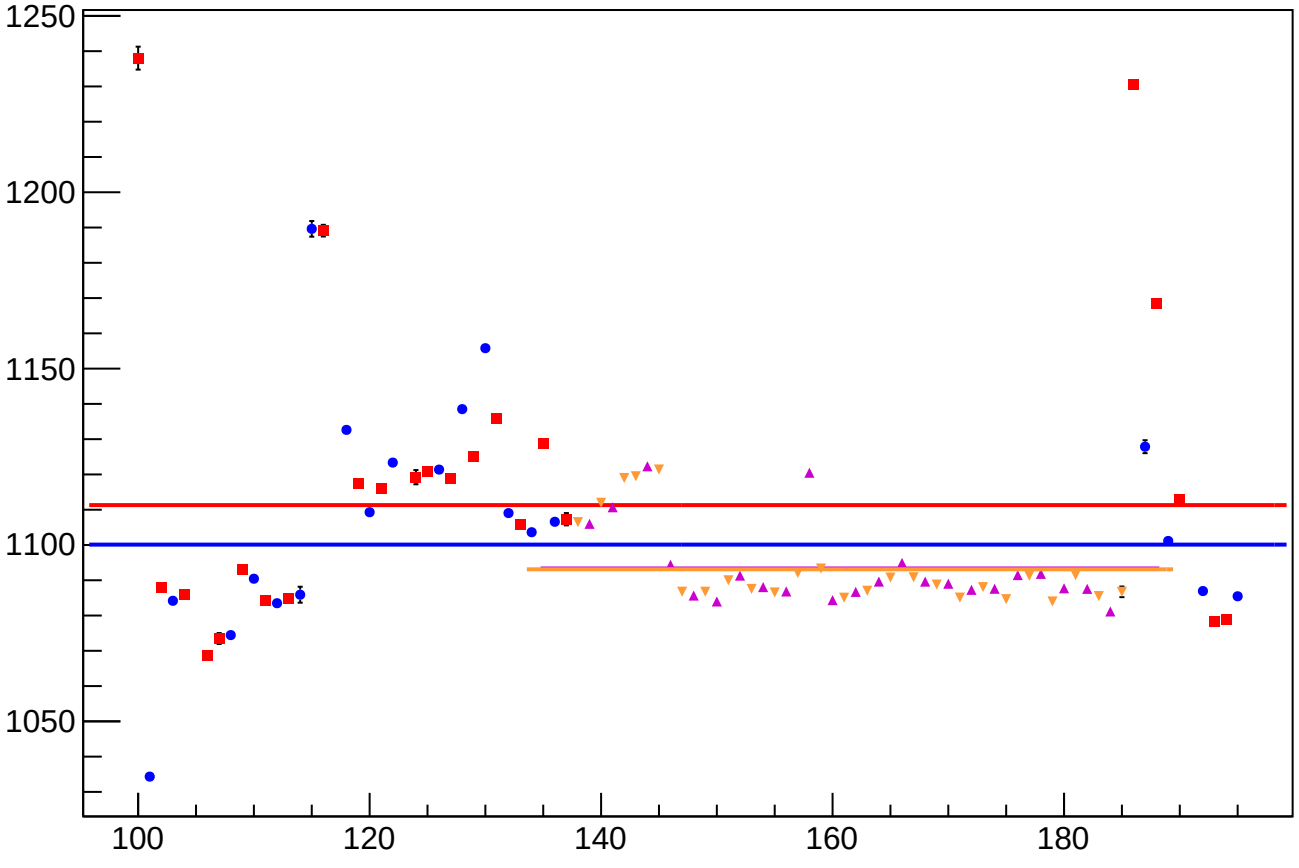
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2274.163+/-202.754 χ^2/NDF: 27.6/44

All: 37.652+/-143.590 χ^2/NDF: 315.7/91

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

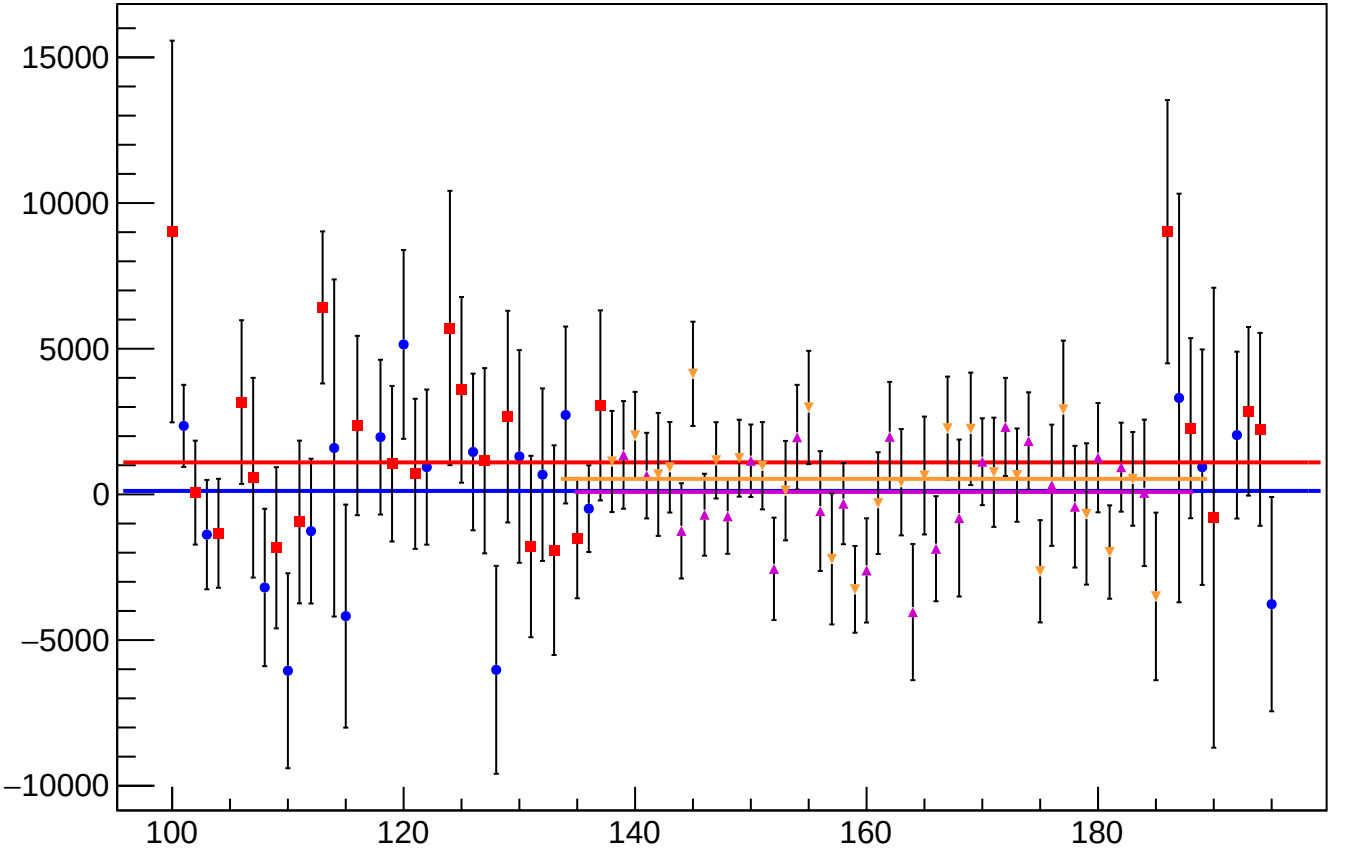
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.436+/-0.143 χ^2/NDF: 18670.3/44

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

asym_usr_eigen_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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

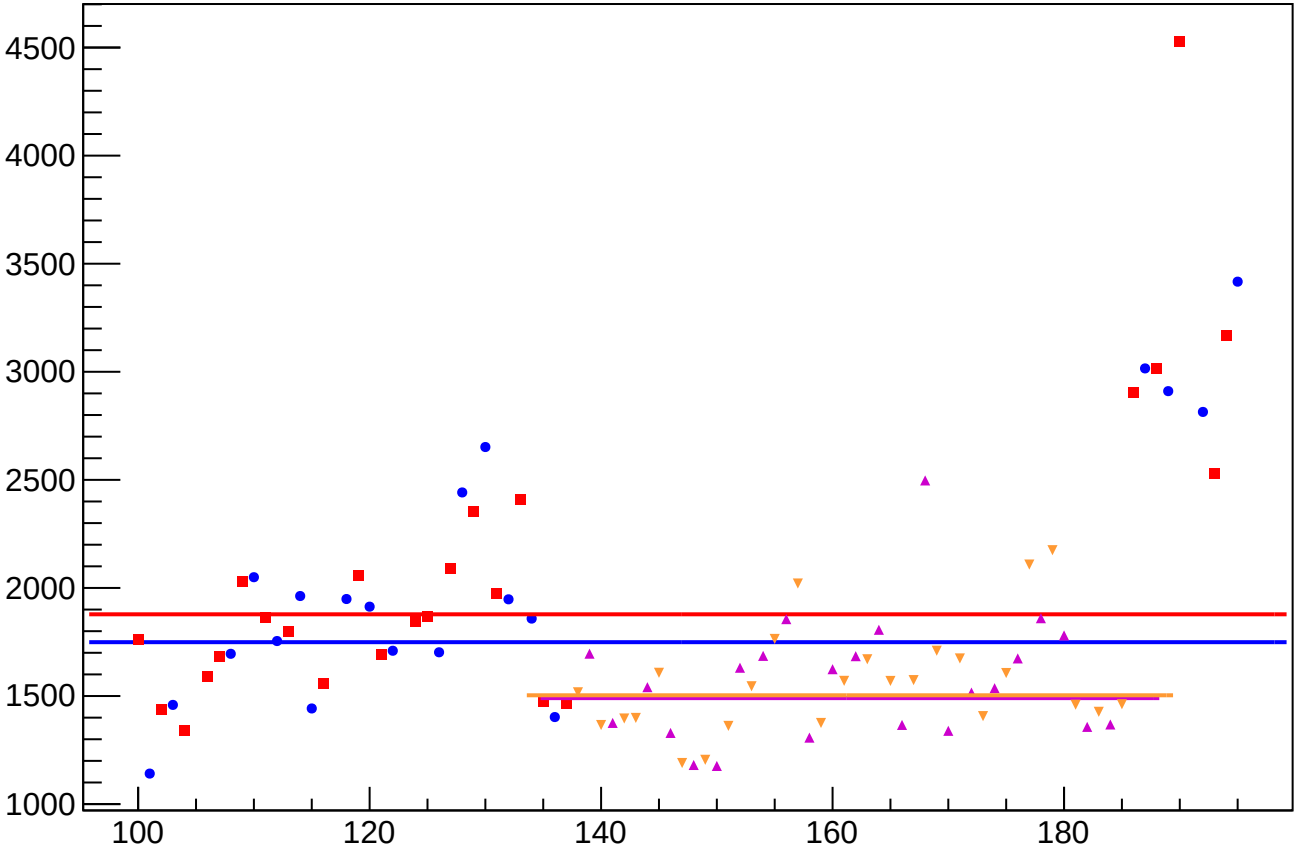
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 425.959+/-298.948 χ^2/NDF: 45.5/44

All: 389.412+/-213.116 χ^2/NDF: 84.9/91

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

asym_usr_eigen_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

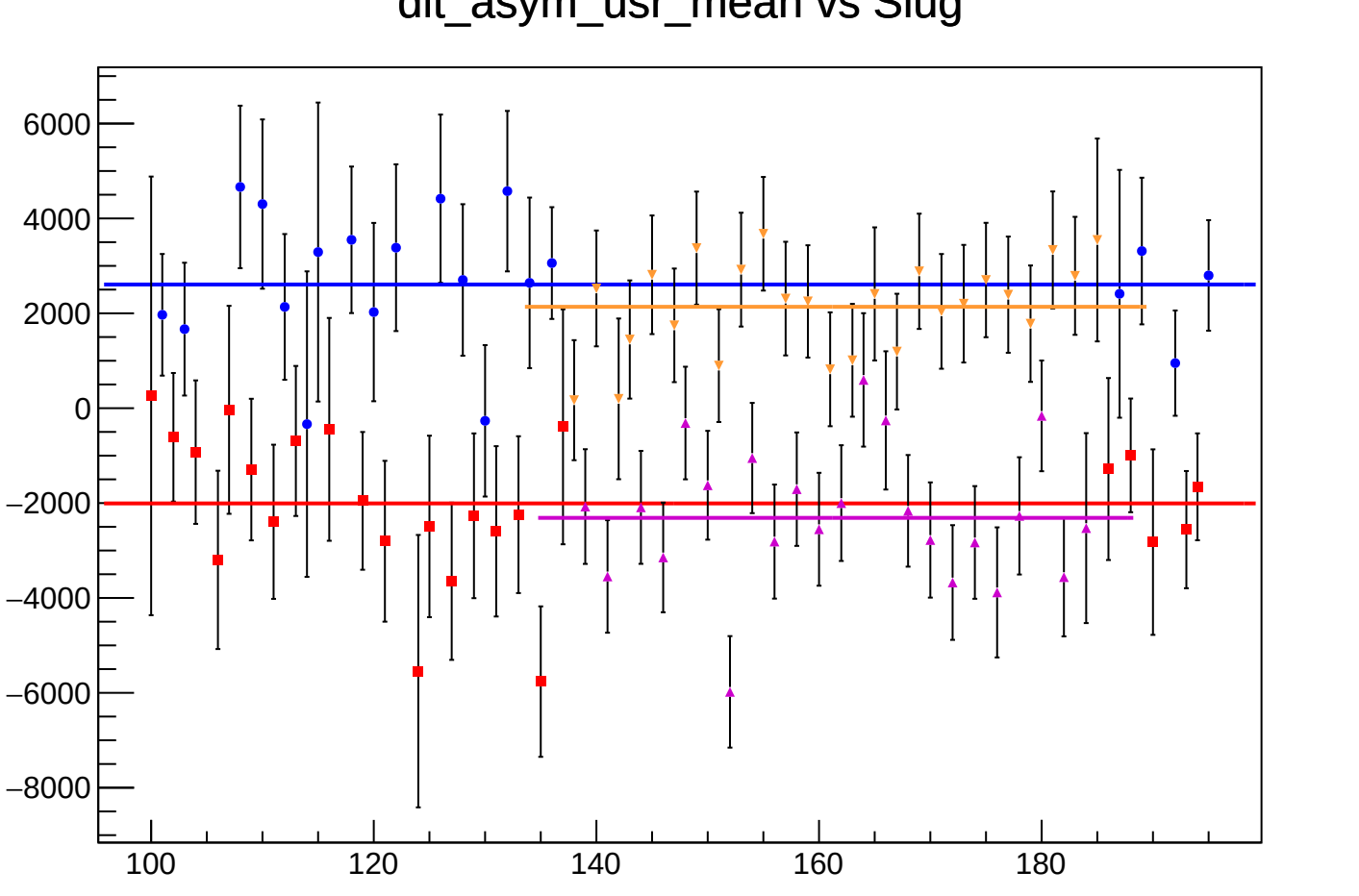
Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

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

+ sign 1567.001+/-0.211 χ^2/NDF: 2764870.2/44

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46



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: -2007.195+/-338.013 χ^2/NDF: 14.7/23

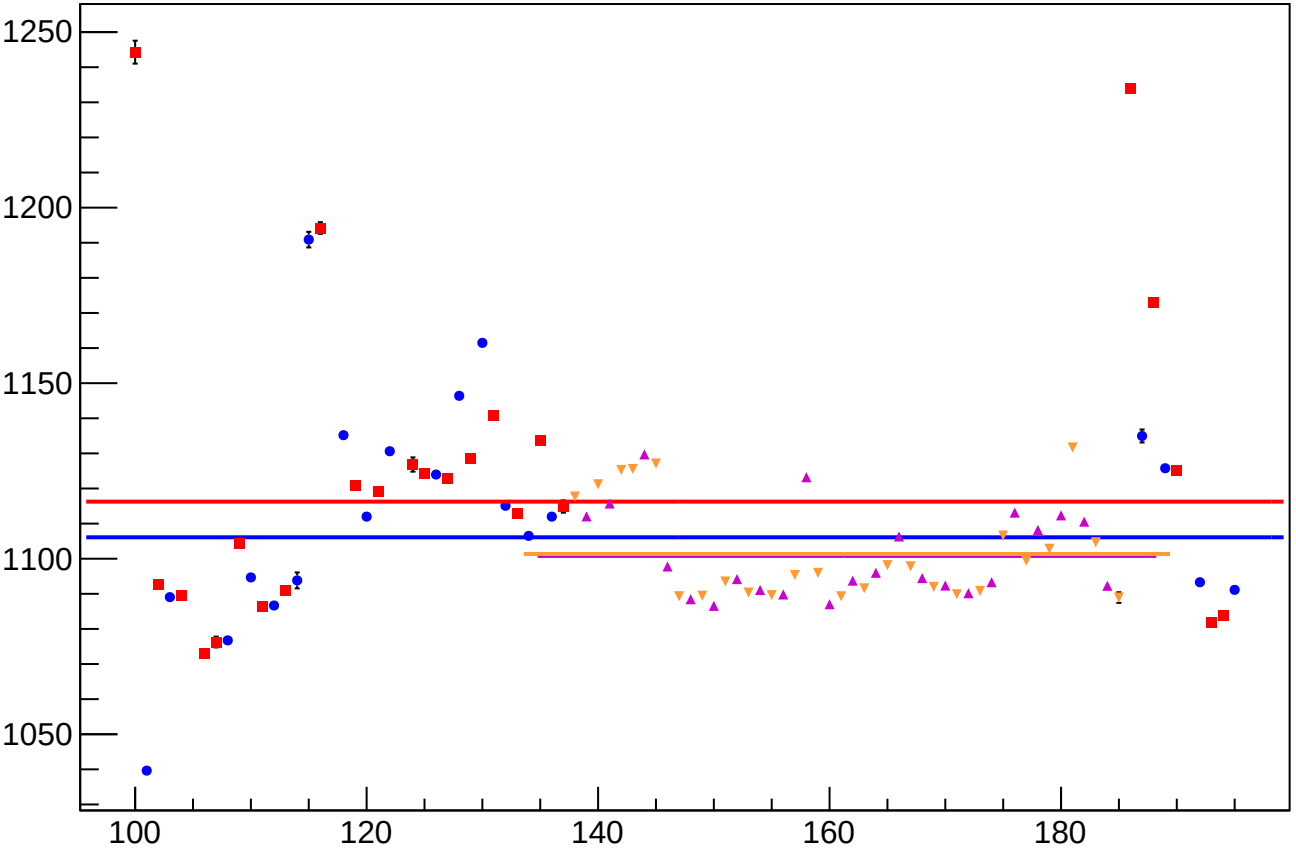
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.364+/-204.152 χ^2/NDF: 28.1/44

All: 52.020+/-144.515 χ^2/NDF: 315.1/91

- sign -2200.171+/-204.600 χ^2/NDF: 45.2/46

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: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

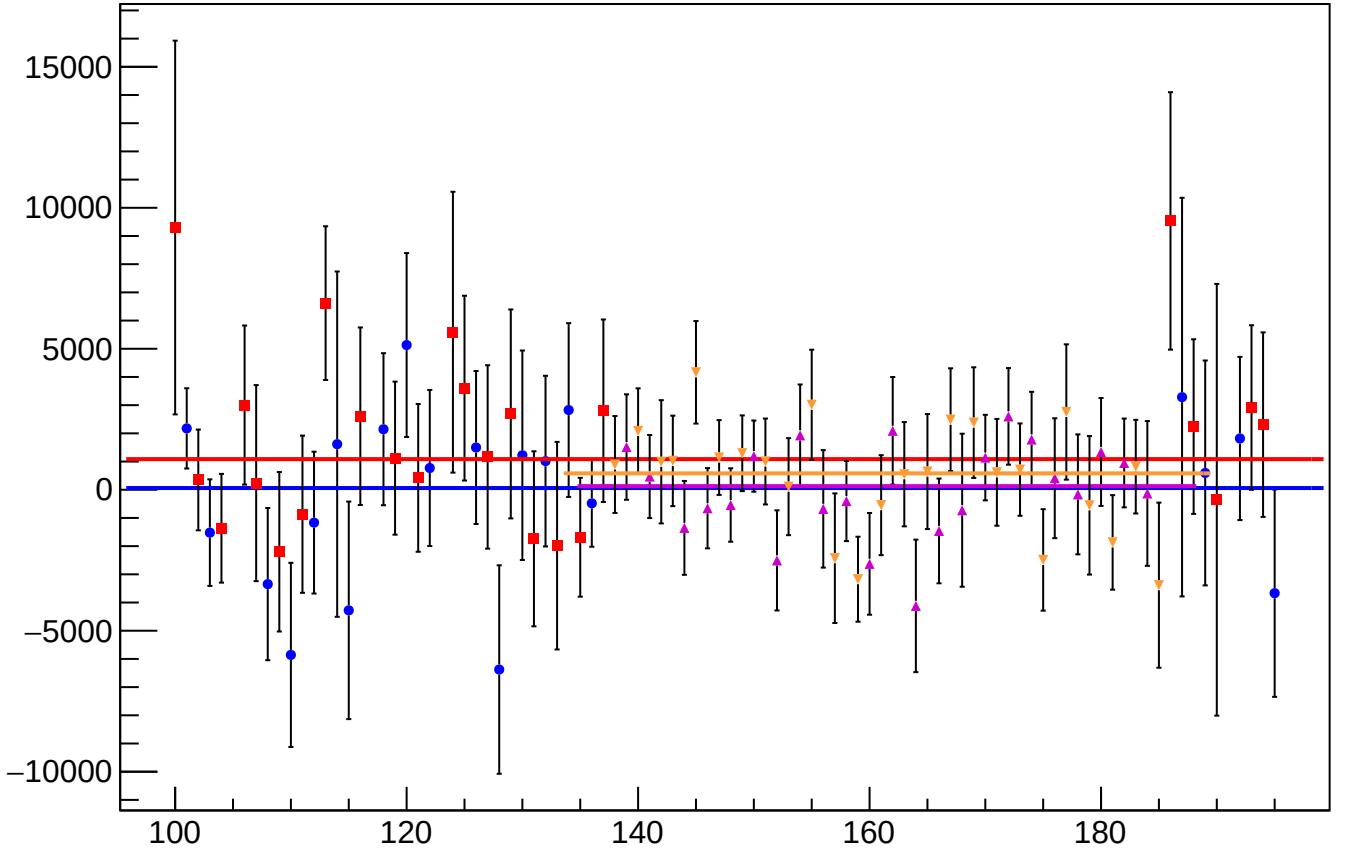
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.938+/-0.144 χ^2/NDF: 20603.4/44

All: 1104.695+/-0.102 χ^2/NDF: 52343.2/91

- sign 1106.460+/-0.145 χ^2/NDF: 31442.8/46

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: 1086.641+/-601.576 χ^2/NDF: 19.4/23

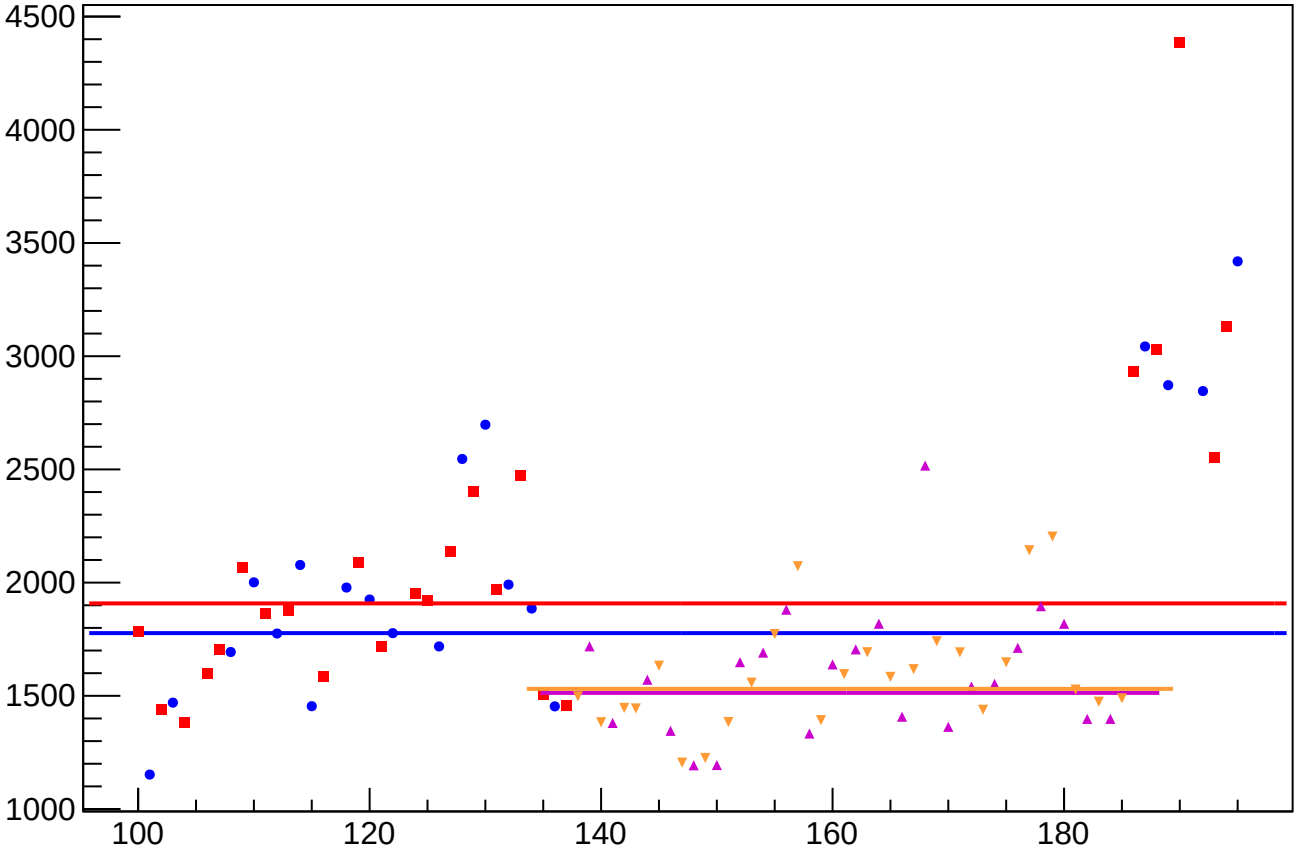
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 446.083+/-304.025 χ^2/NDF: 44.4/44

All: 413.729+/-216.495 χ^2/NDF: 83.6/91

- sign 380.446+/-308.360 χ^2/NDF: 39.1/46

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: 1908.159+/-0.425 χ^2/NDF: 1518523.1/23

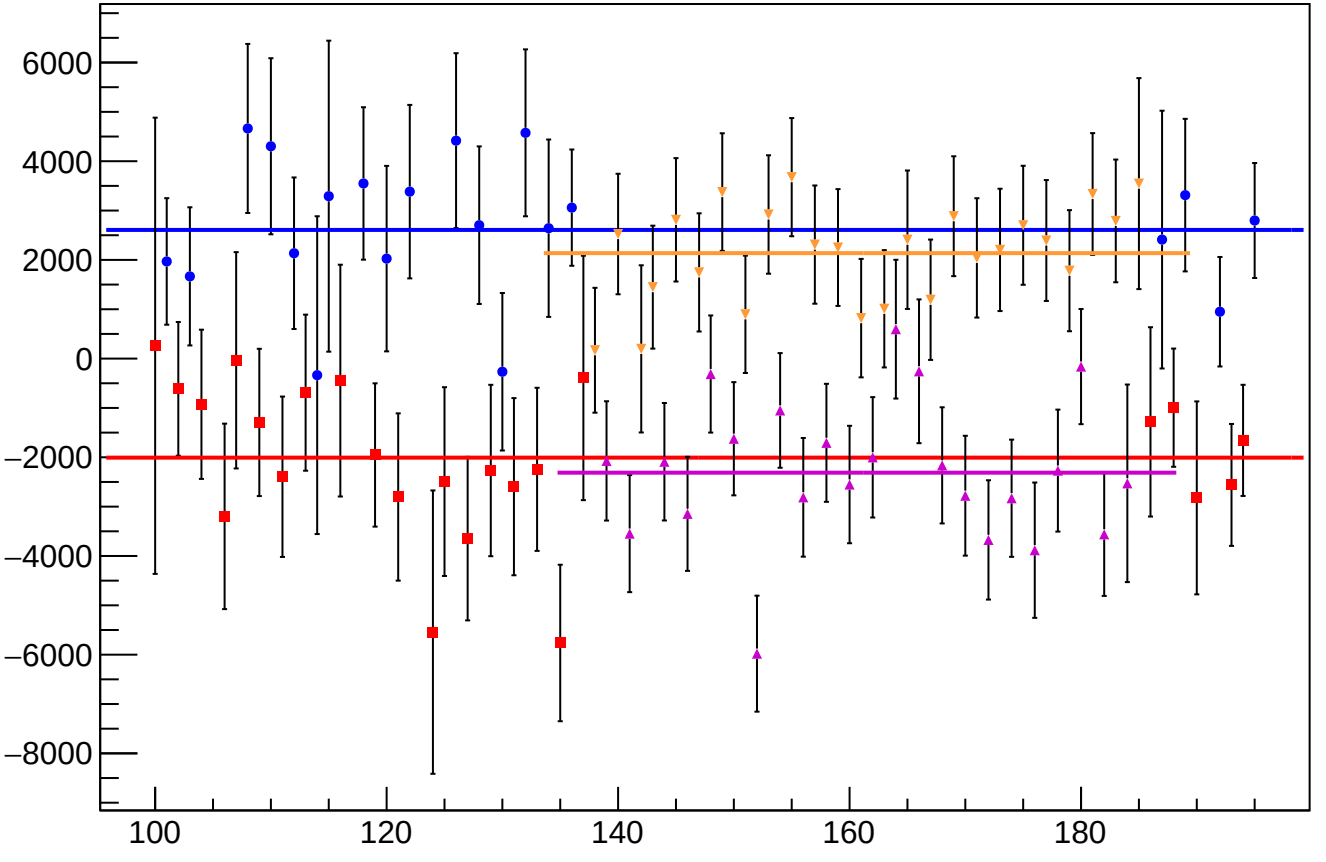
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1594.739+/-0.215 χ^2/NDF: 2728888.8/44

All: 1605.607+/-0.153 χ^2/NDF: 5846051.4/91

- sign 1616.787+/-0.218 χ^2/NDF: 3111977.8/46

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: -2007.197+/-338.013 χ^2/NDF: 14.7/23

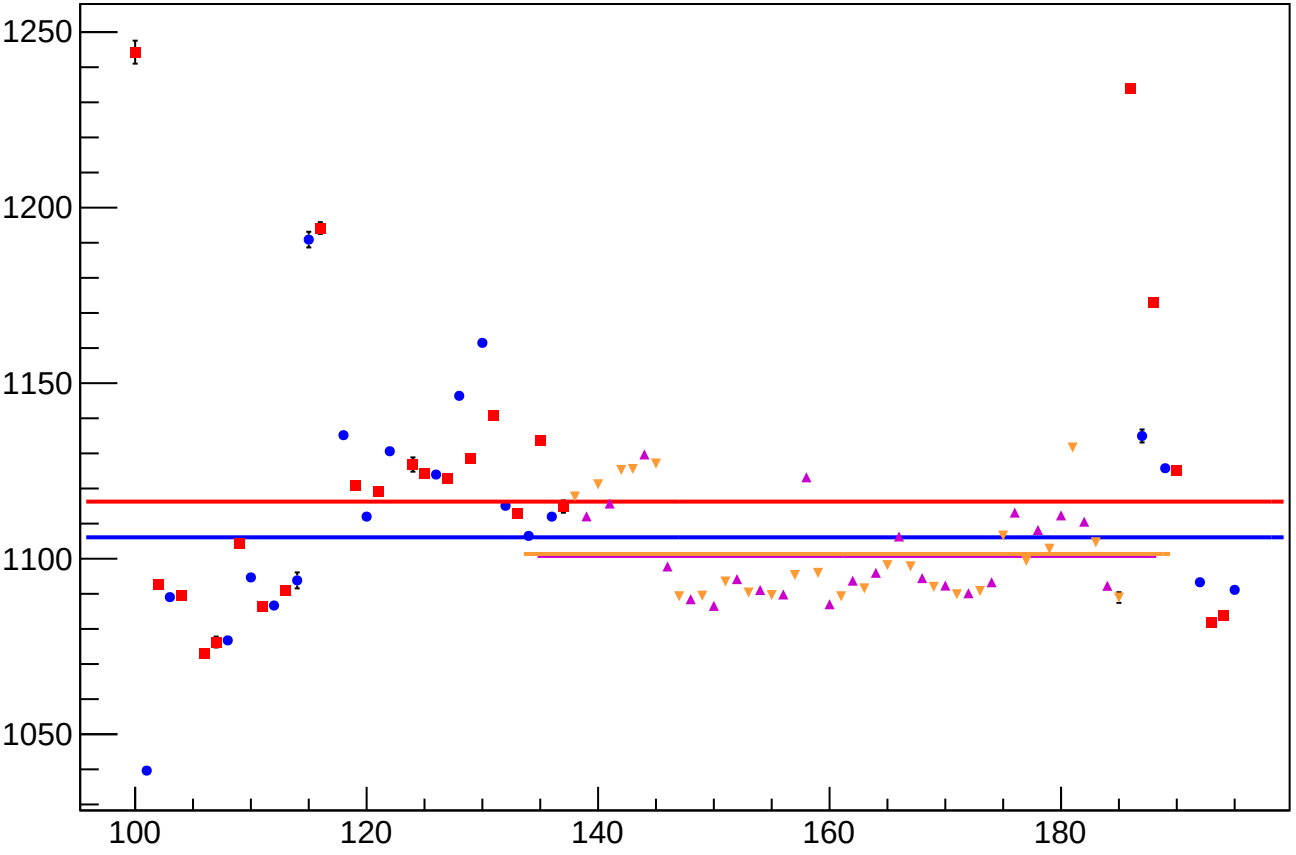
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.362+/-204.152 χ^2/NDF: 28.1/44

All: 52.019+/-144.515 χ^2/NDF: 315.1/91

- sign -2200.172+/-204.600 χ^2/NDF: 45.2/46

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: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

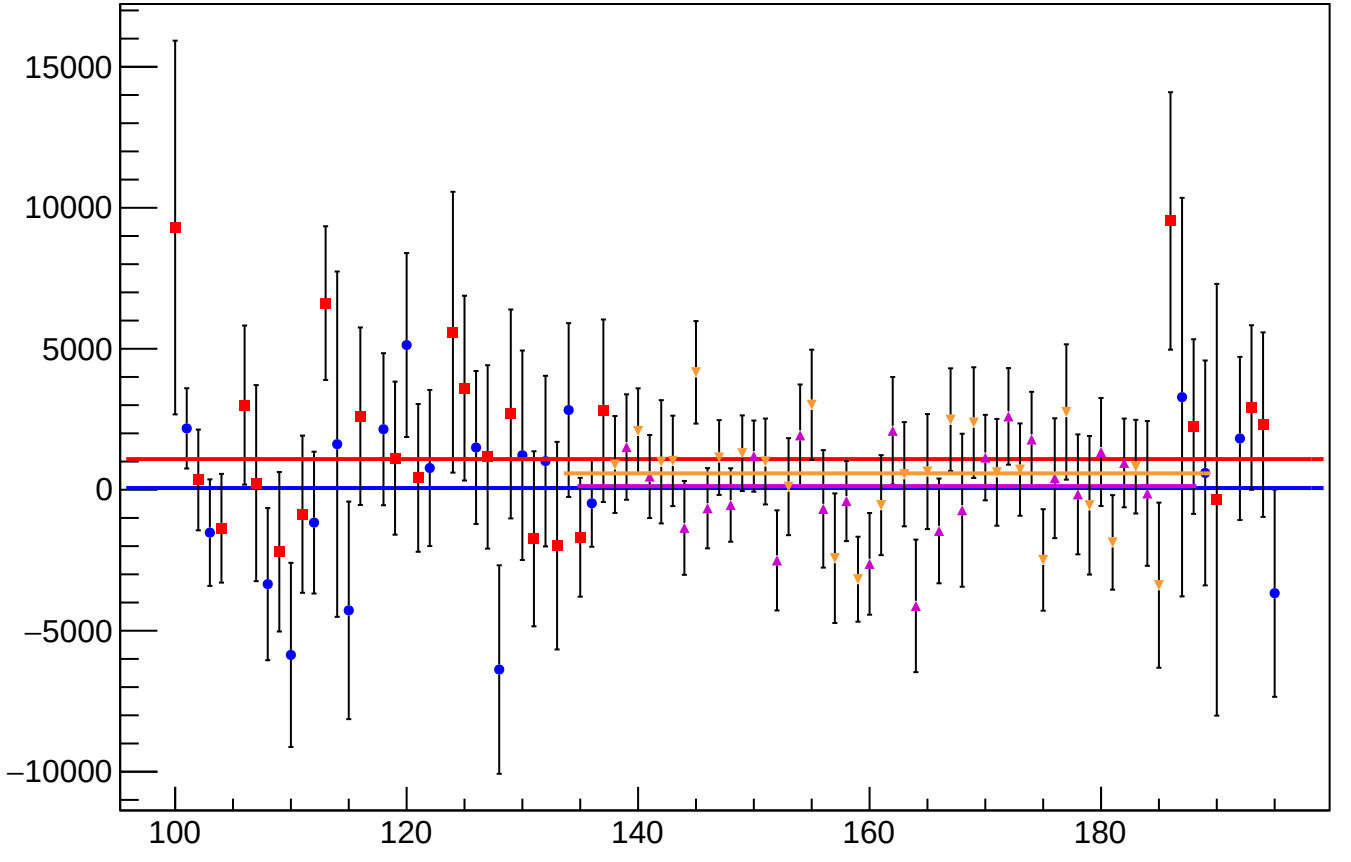
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.938+/-0.144 χ^2/NDF: 20603.3/44

All: 1104.695+/-0.102 χ^2/NDF: 52343.0/91

- sign 1106.460+/-0.145 χ^2/NDF: 31442.7/46

asym_usr_eigen_dit_correction_mean vs Slug



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: 1086.643+/-601.575 χ^2/NDF: 19.4/23

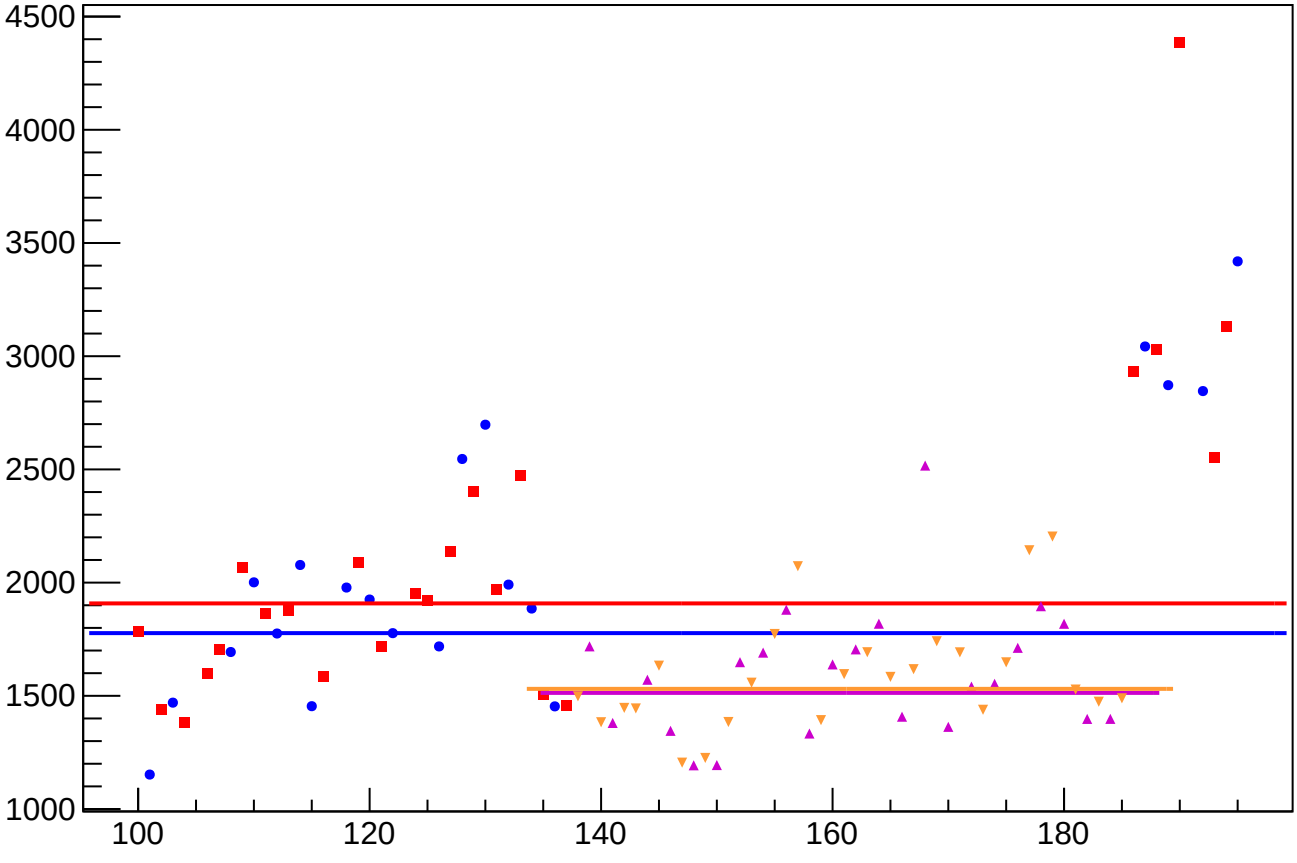
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 446.080+/-304.026 χ^2/NDF: 44.4/44

All: 413.729+/-216.495 χ^2/NDF: 83.6/91

\- sign 380.448+/-308.361 χ^2/NDF: 39.1/46

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

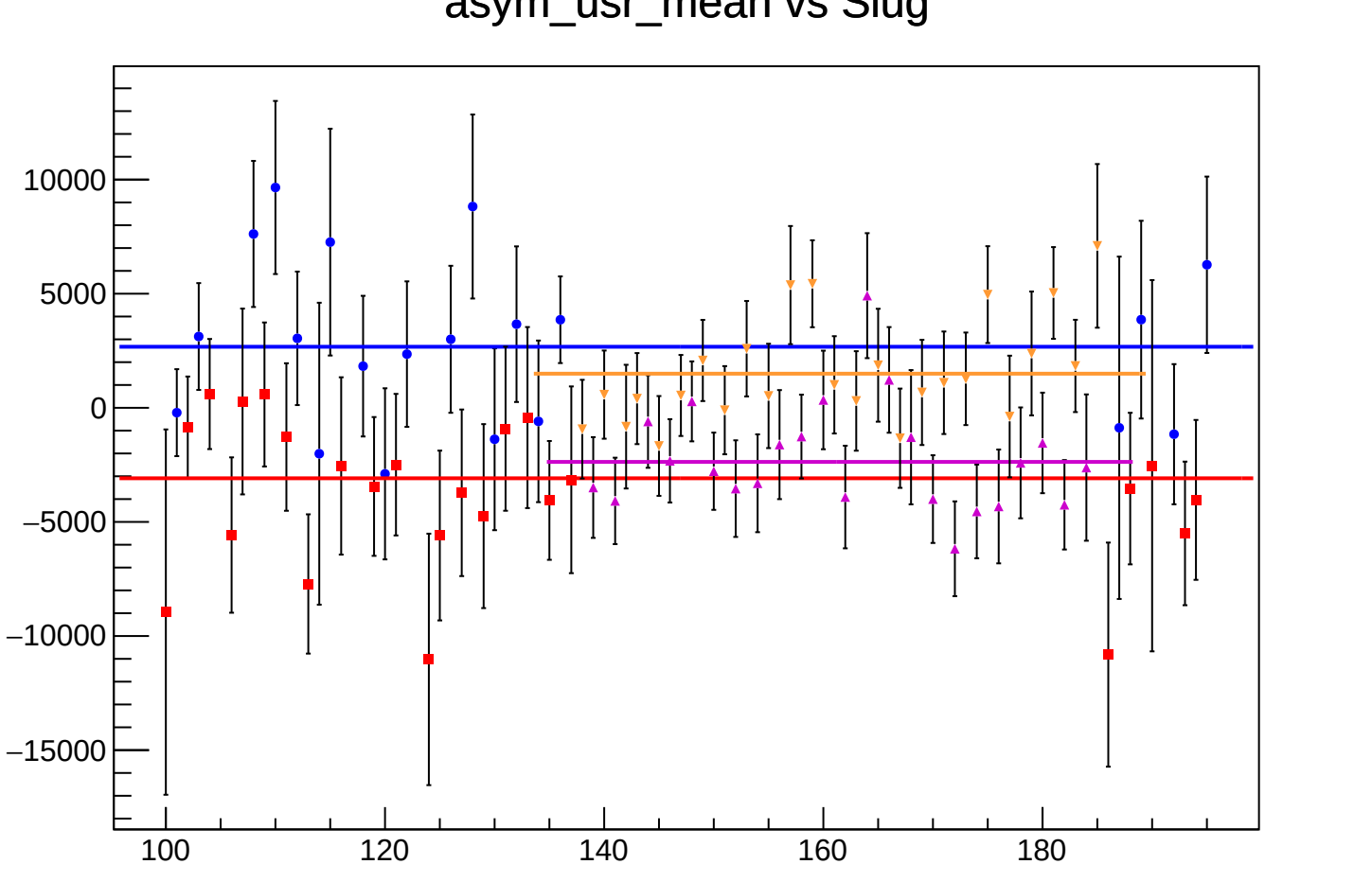
Right Out: 1908.157+/-0.425 χ^2/NDF: 1518506.4/23

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

\+ sign 1594.742+/-0.215 χ^2/NDF: 2728868.5/44

All: 1605.610+/-0.153 χ^2/NDF: 5846003.0/91

\- sign 1616.790+/-0.218 χ^2/NDF: 3111949.5/46



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: -3088.074+/-700.970 χ^2/NDF: 16.0/23

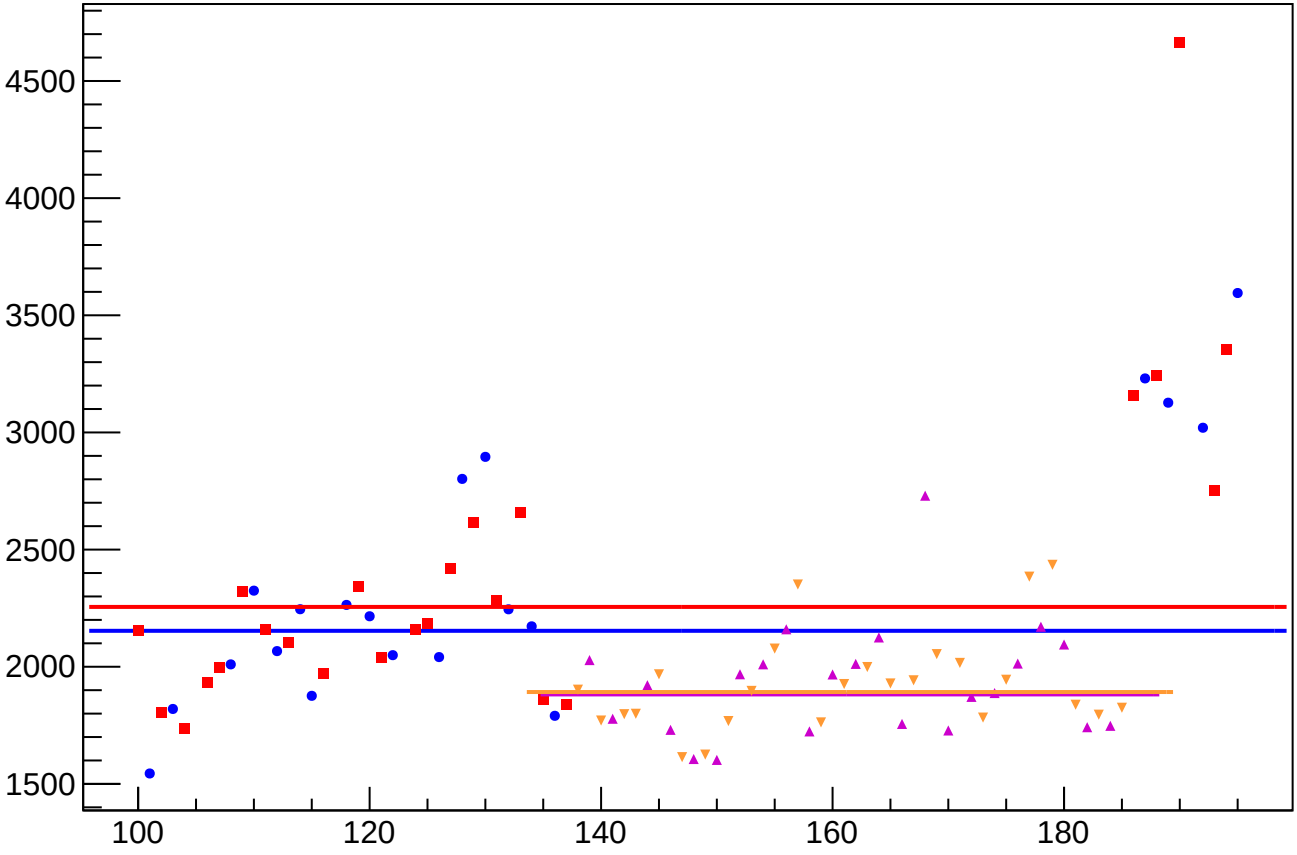
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1815.689+/-369.675 χ^2/NDF: 45.0/44

All: -351.655+/-263.073 χ^2/NDF: 155.0/91

- sign -2575.409+/-374.455 χ^2/NDF: 40.4/46

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

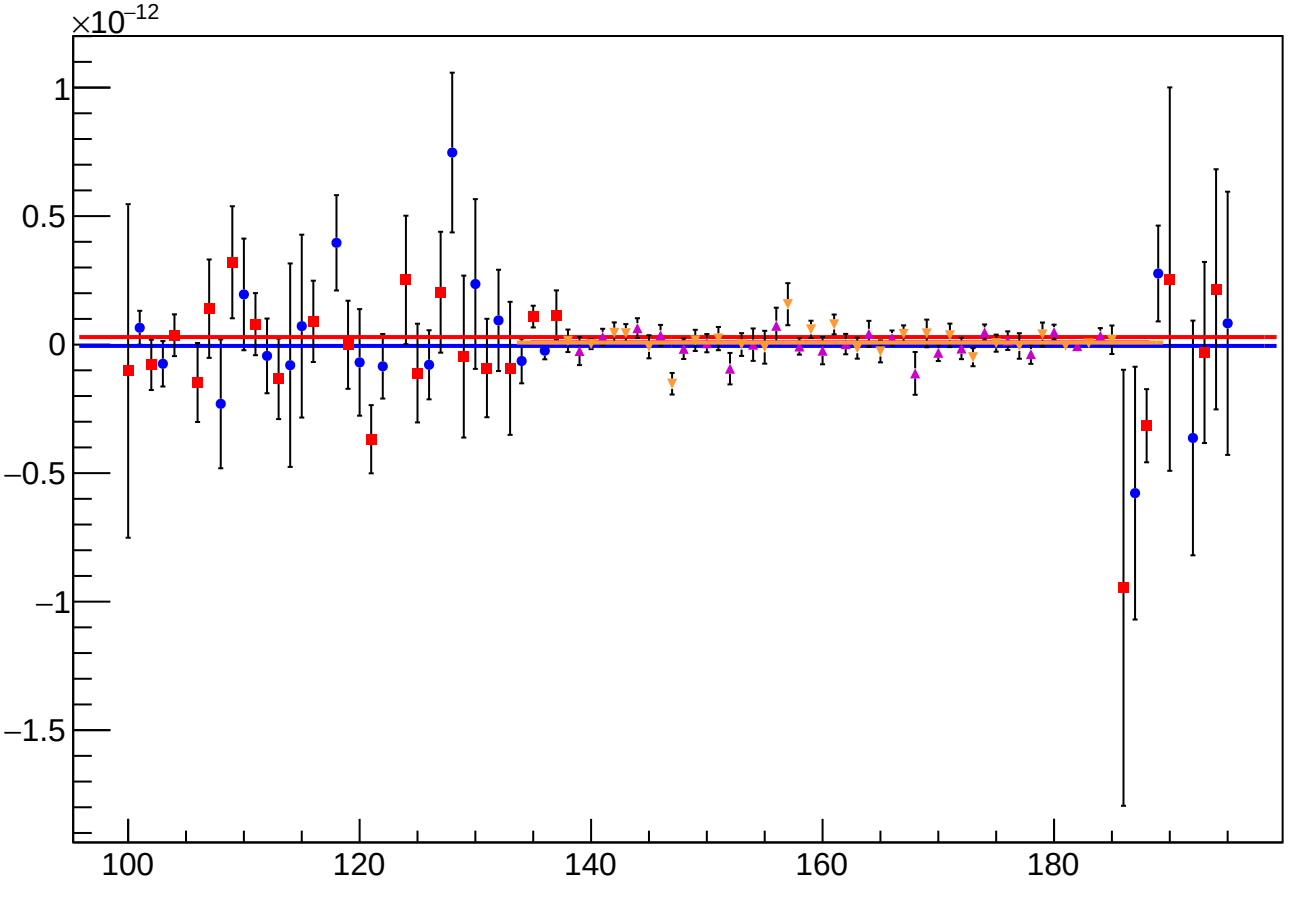
Right Out: 2255.341+/-0.496 χ^2/NDF: 1005630.9/23

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

+ sign 1963.119+/-0.261 χ^2/NDF: 1632104.0/44

All: 1975.627+/-0.186 χ^2/NDF: 3510708.8/91

- sign 1988.461+/-0.265 χ^2/NDF: 1873965.8/46



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: 29.5/23

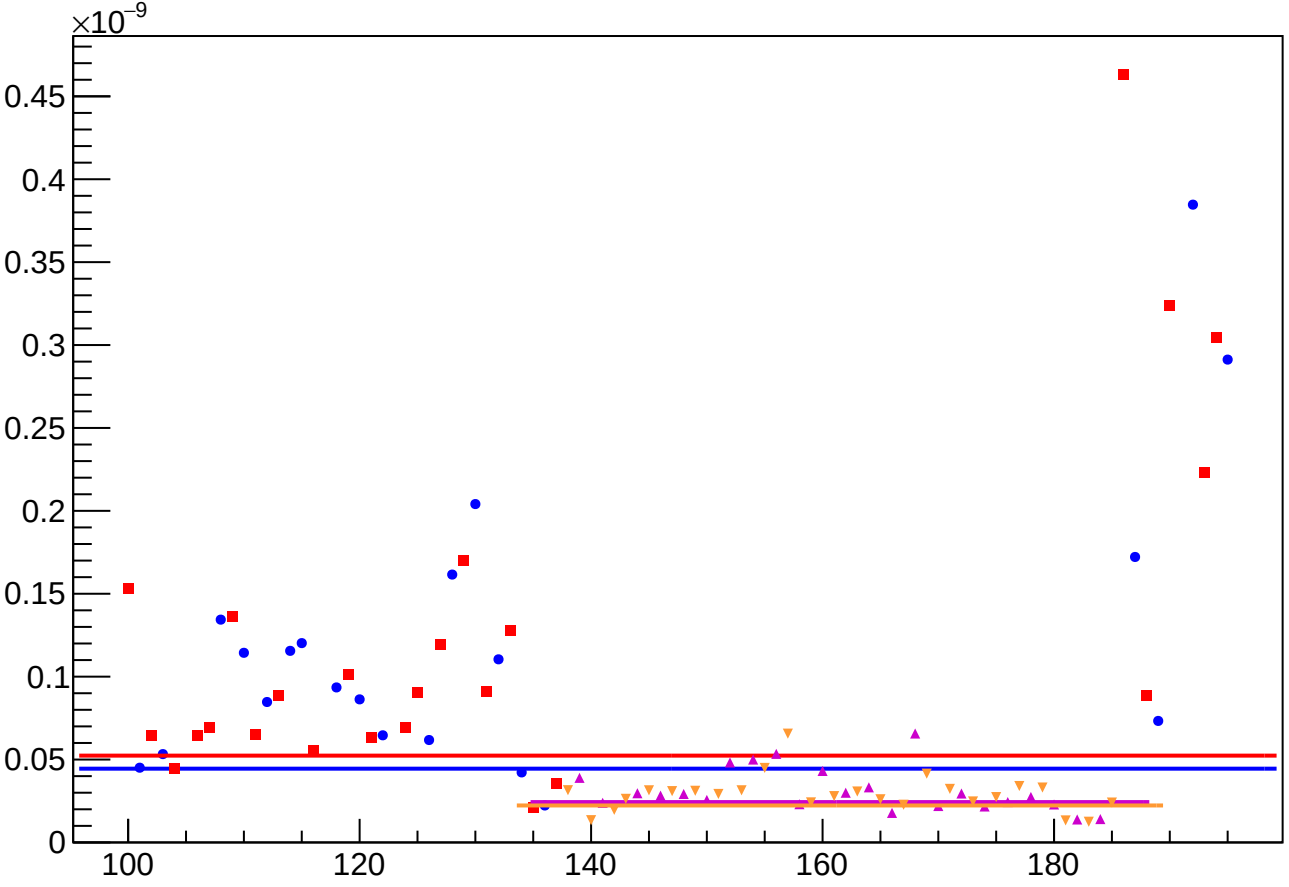
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/44

All: 0.000+/-0.000 χ^2/NDF: 102.6/91

- sign 0.000+/-0.000 χ^2/NDF: 49.1/46

asym_usr_reg_vs_cor_diff_rms vs Slug



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: 4564748.8/23

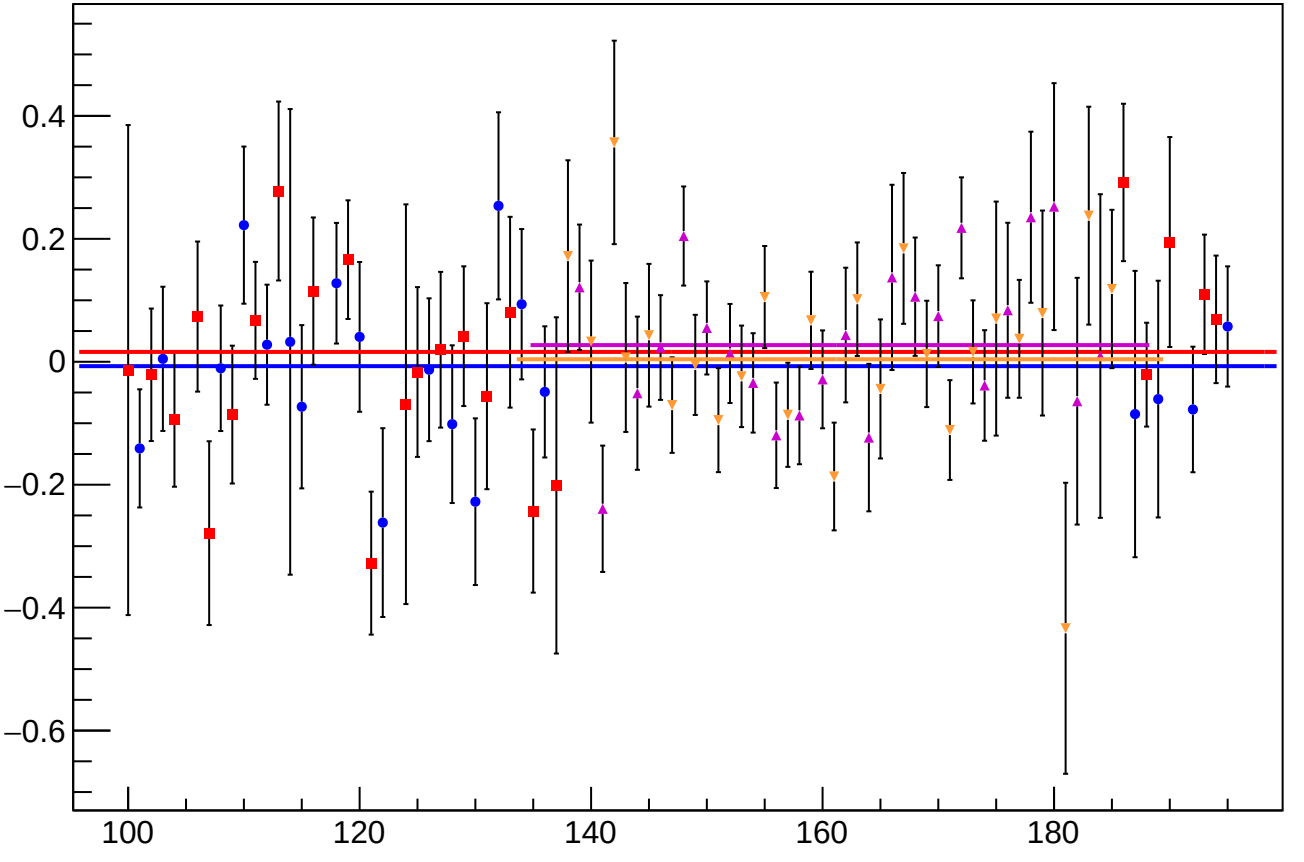
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9918786.3/44

All: 0.000+/-0.000 χ^2/NDF: 19818515.5/91

- sign 0.000+/-0.000 χ^2/NDF: 9774833.8/46

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

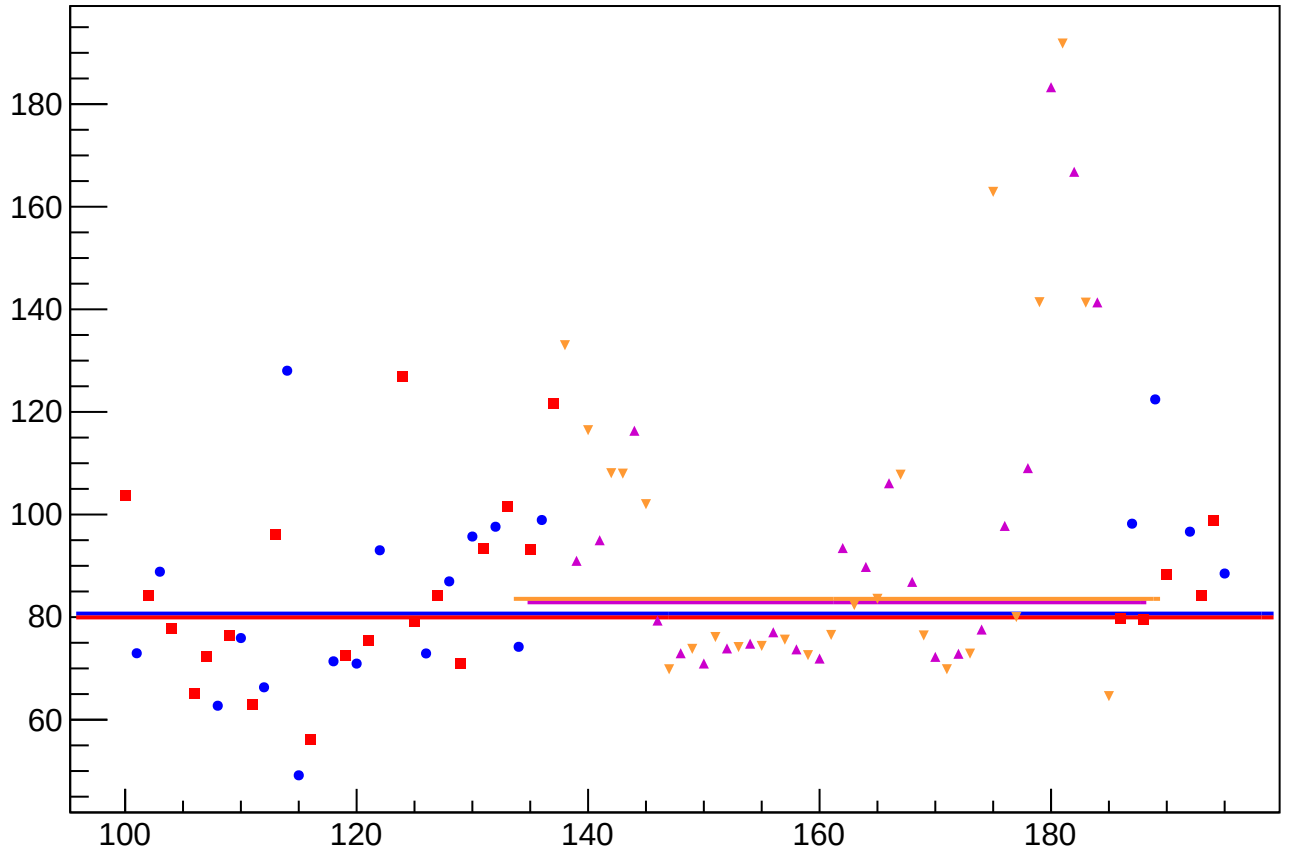
Right Out: 0.016+/-0.025 χ^2/NDF: 33.5/23

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

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.012+/-0.011 χ^2/NDF: 113.3/91

- sign 0.023+/-0.016 χ^2/NDF: 65.6/46



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: 79.944+/-0.018 χ^2/NDF: 481548.0/23

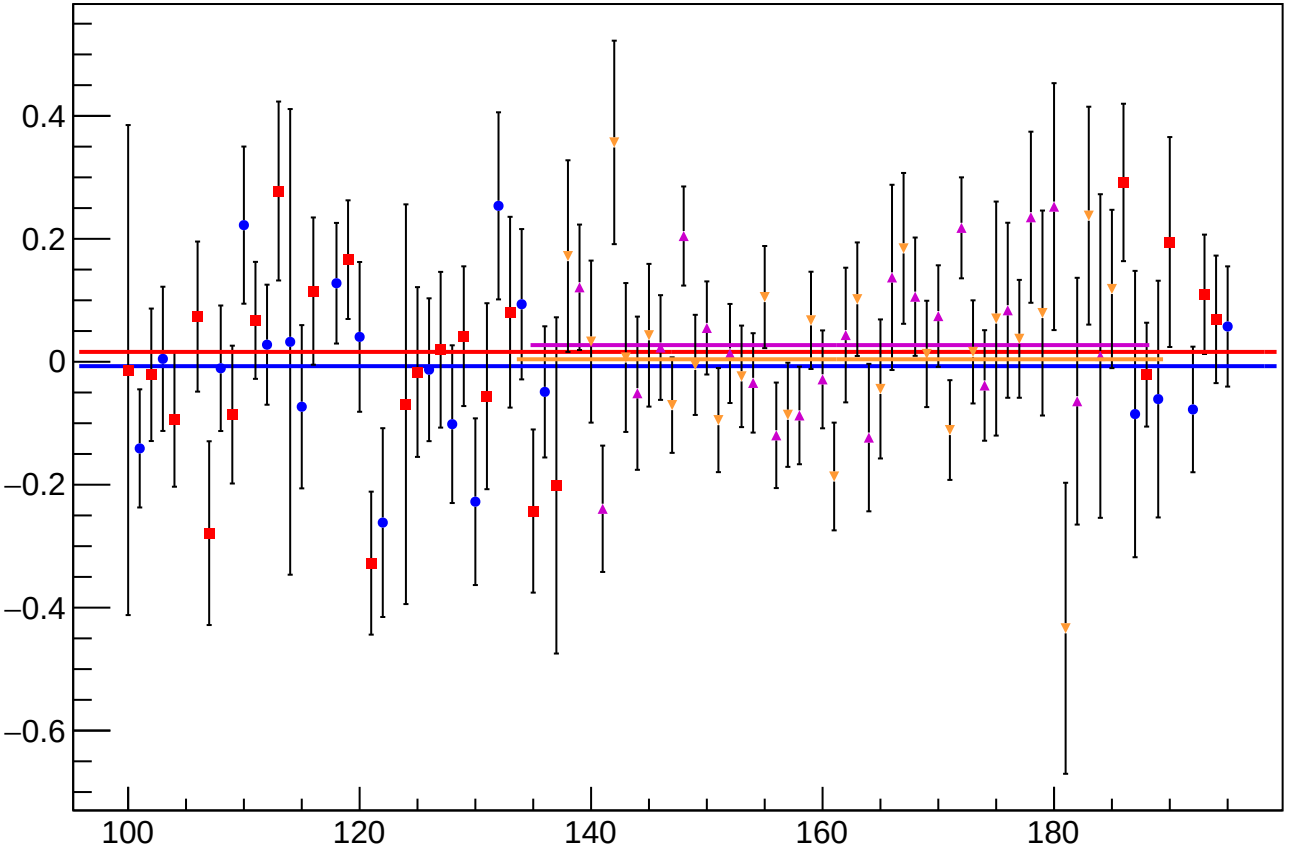
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799656.4/44

All: 82.118+/-0.008 χ^2/NDF: 4873144.0/91

- sign 81.718+/-0.011 χ^2/NDF: 2070917.8/46

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: 0.016+/-0.025 χ^2/NDF: 33.5/23

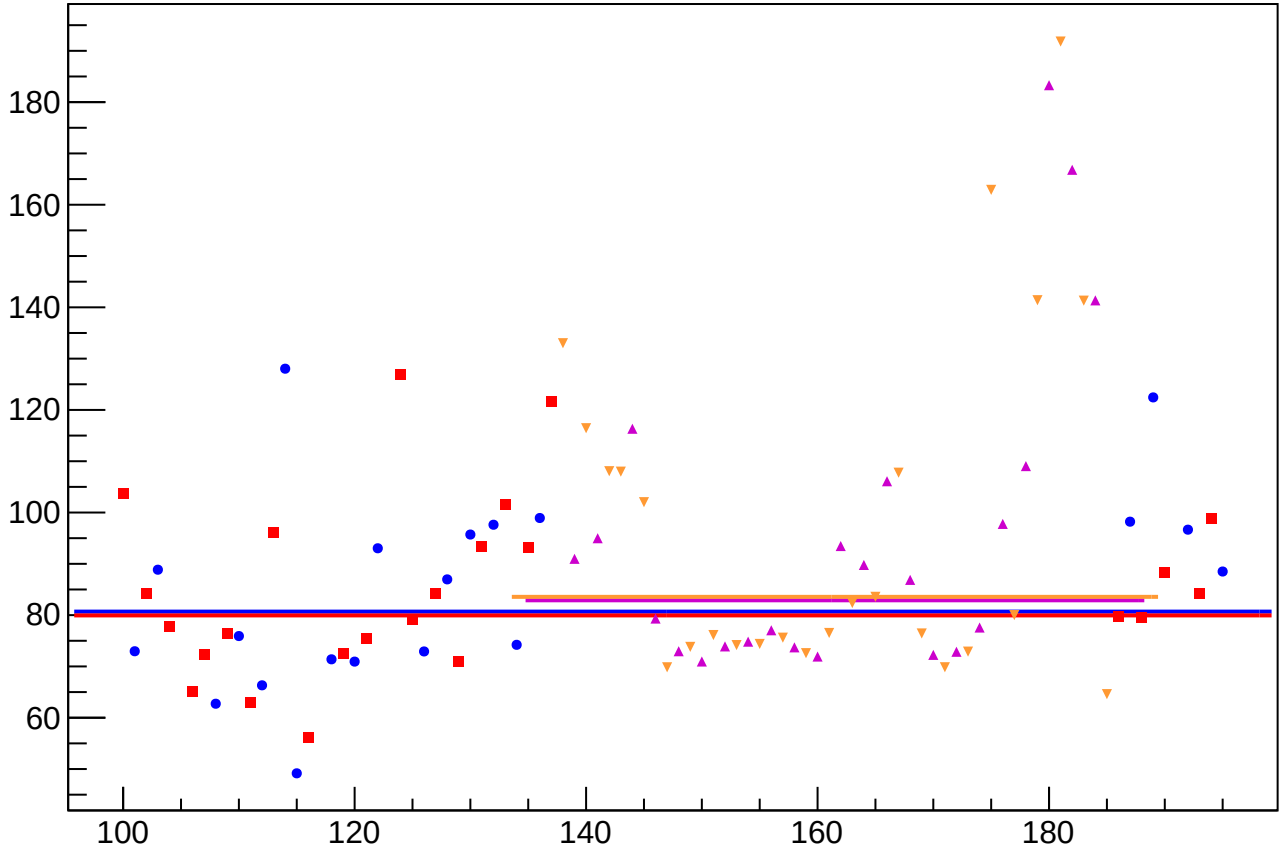
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.012+/-0.011 χ^2/NDF: 113.3/91

- sign 0.023+/-0.016 χ^2/NDF: 65.6/46

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: 79.944+/-0.018 χ^2/NDF: 481548.0/23

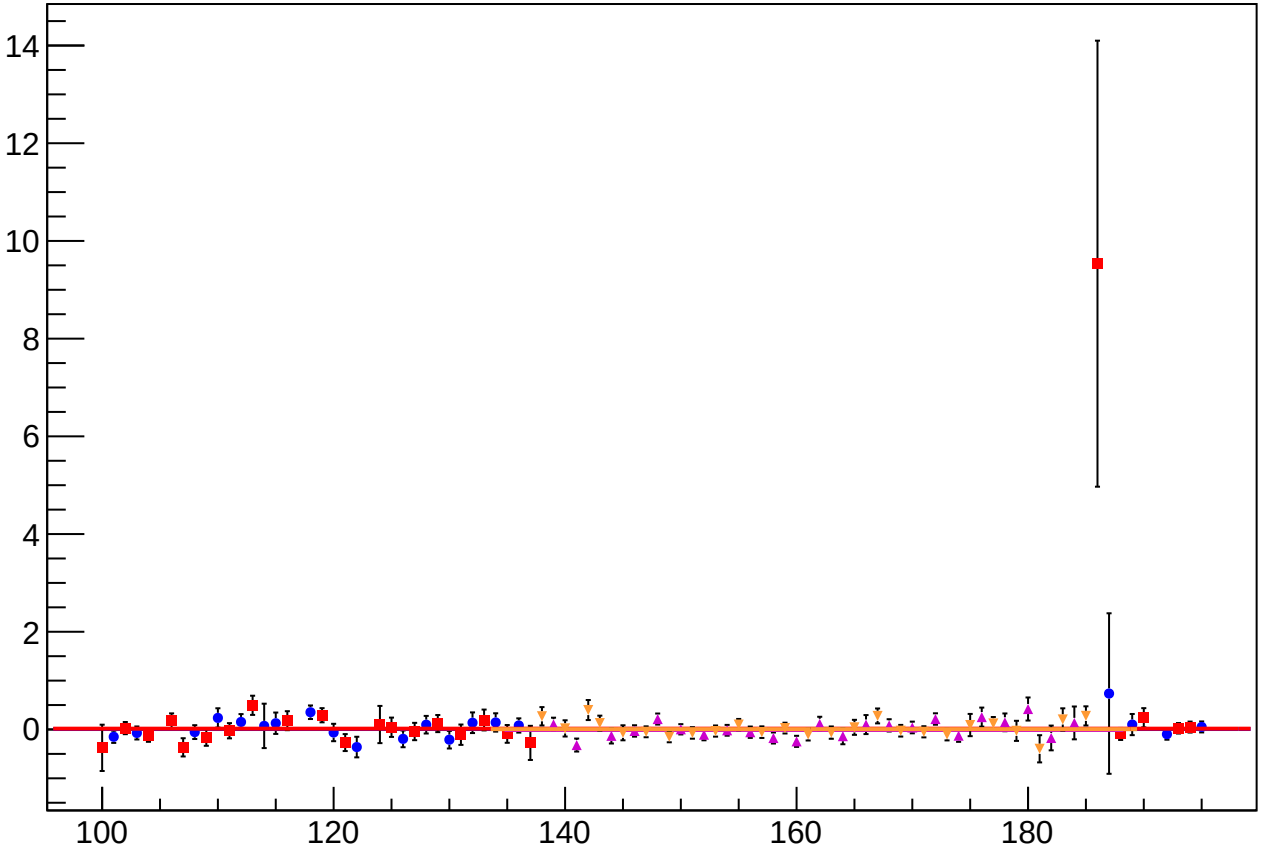
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799656.4/44

All: 82.118+/-0.008 χ^2/NDF: 4873144.0/91

- sign 81.718+/-0.011 χ^2/NDF: 2070917.8/46

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: 0.016+/-0.034 χ^2/NDF: 30.3/23

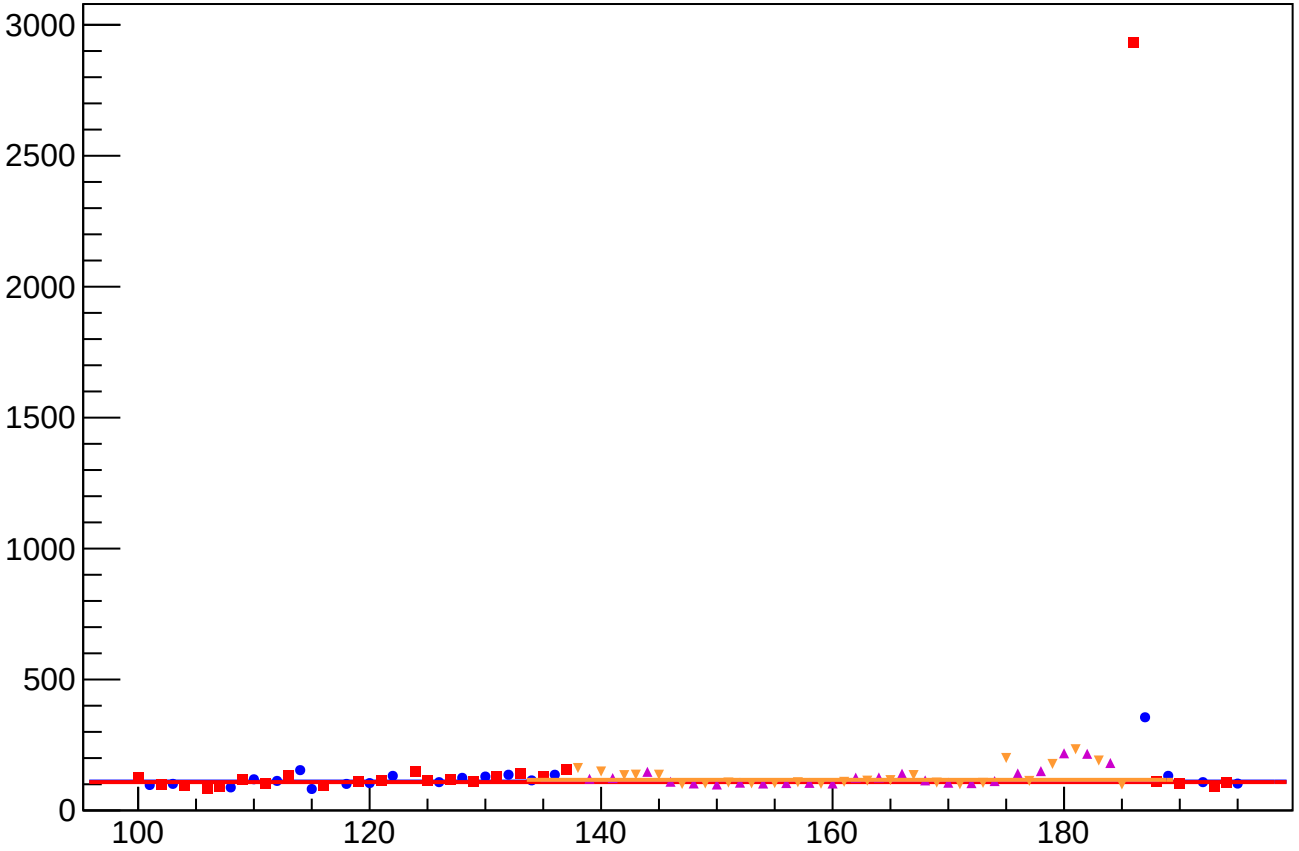
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.007+/-0.022 χ^2/NDF: 40.9/44

All: 0.004+/-0.016 χ^2/NDF: 102.9/91

- sign 0.000+/-0.022 χ^2/NDF: 61.9/46

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: 108.261+/-0.024 χ^2/NDF: 1139918.3/23

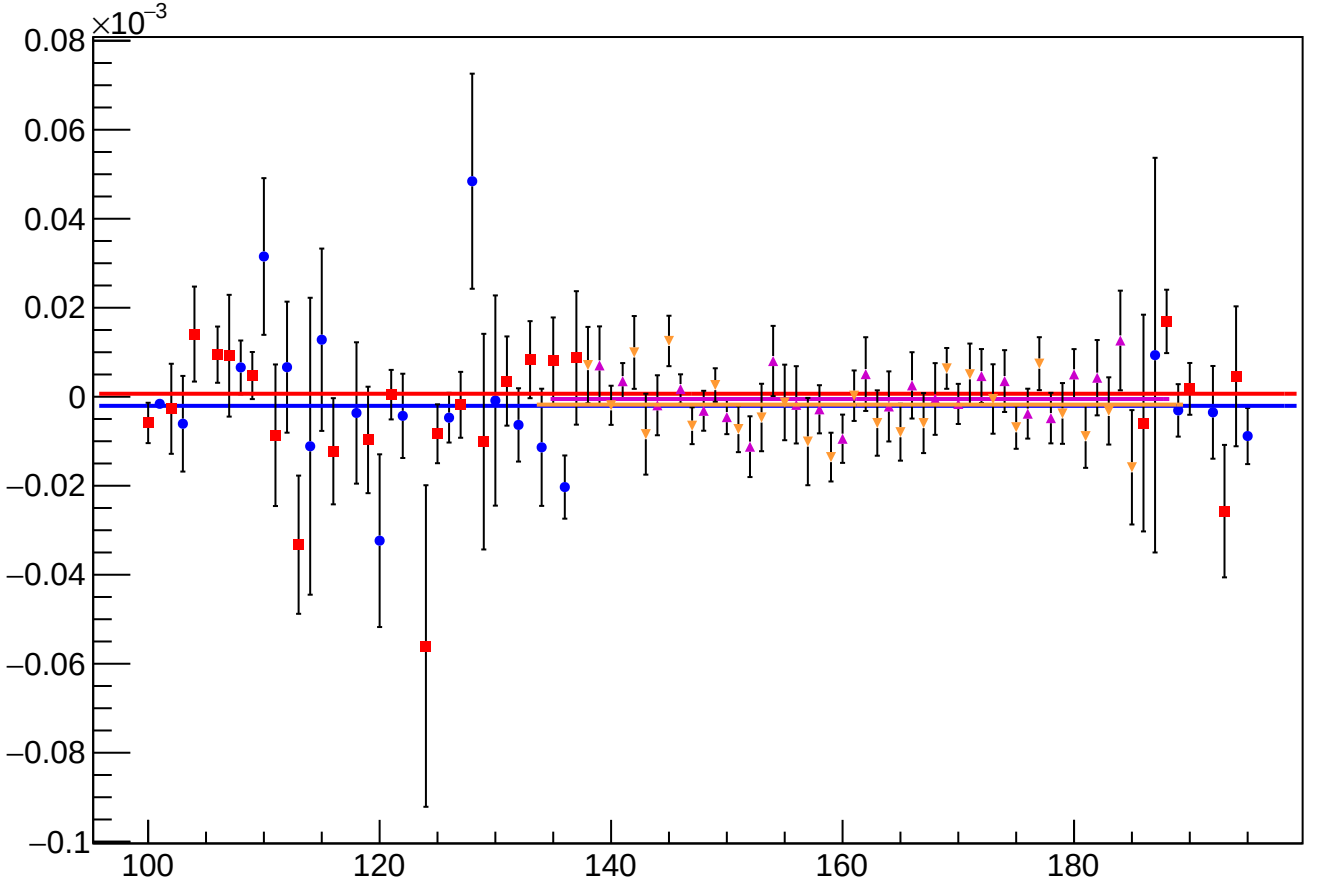
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.497+/-0.016 χ^2/NDF: 2012801.2/44

All: 113.640+/-0.011 χ^2/NDF: 4448348.5/91

- sign 112.811+/-0.015 χ^2/NDF: 2429664.3/46

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



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: 28.6/23

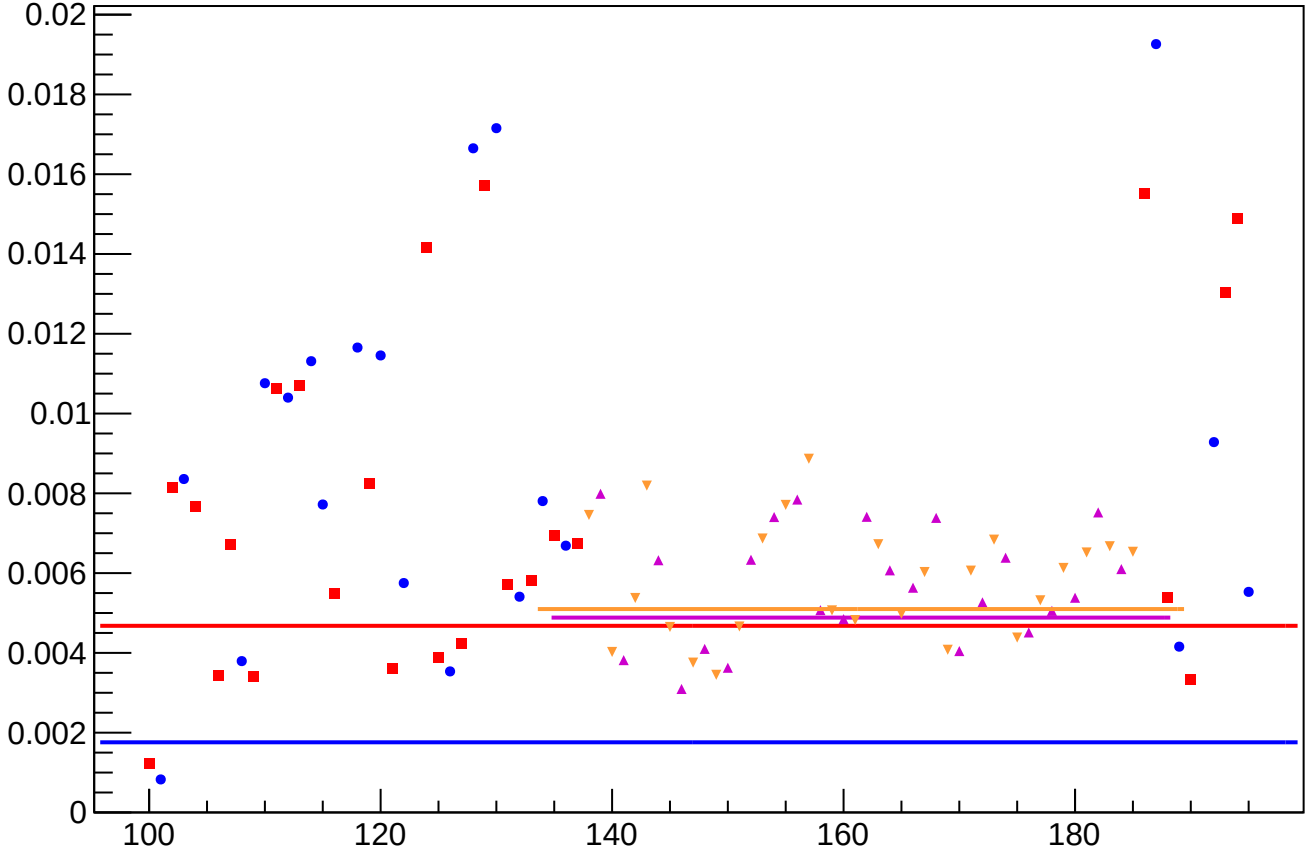
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/44

All: -0.000+/-0.000 χ^2/NDF: 100.4/91

- sign -0.000+/-0.000 χ^2/NDF: 44.5/46

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: 5420893.8/23

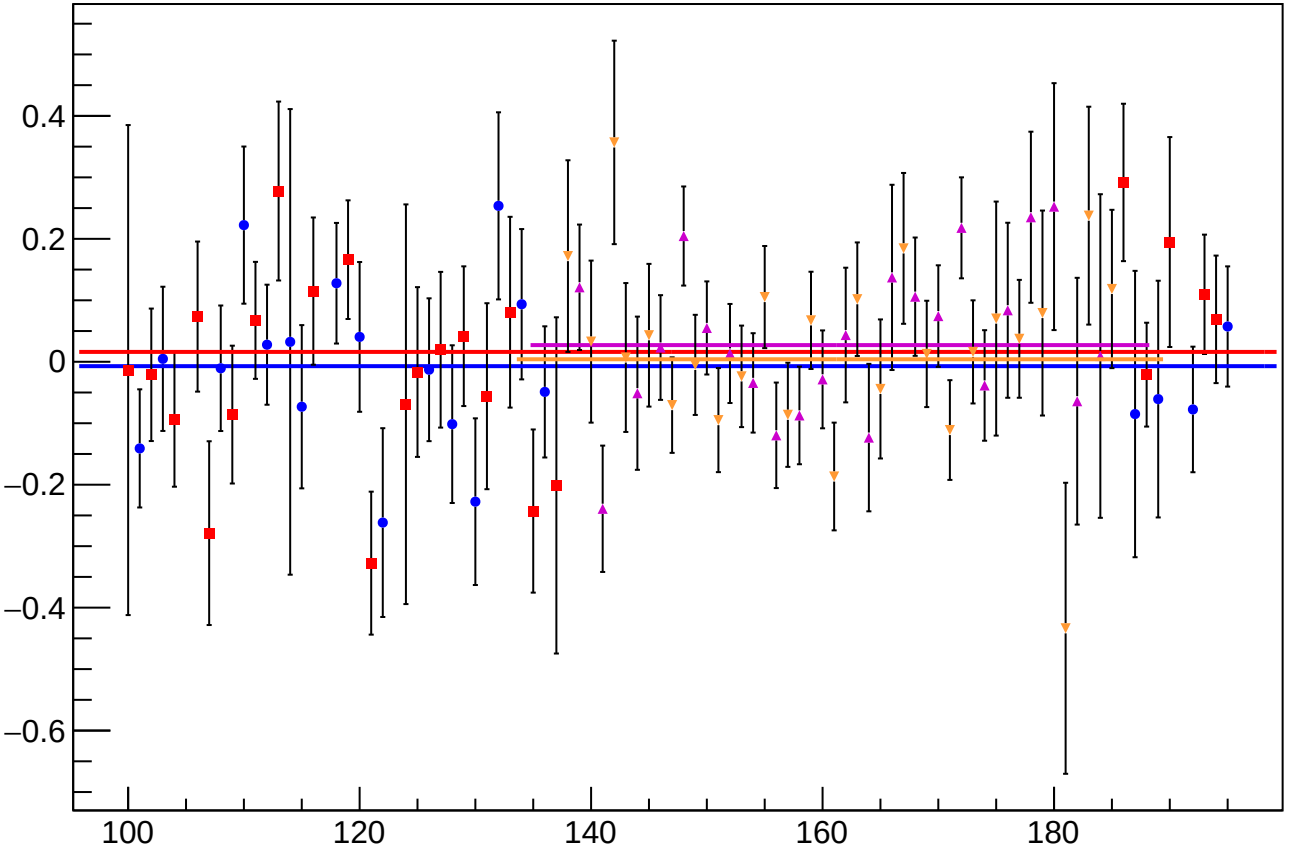
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 23564246.1/44

All: 0.004+/-0.000 χ^2/NDF: 35961224.5/91

- sign 0.005+/-0.000 χ^2/NDF: 8165318.3/46

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: 0.016+/-0.025 χ^2/NDF: 33.5/23

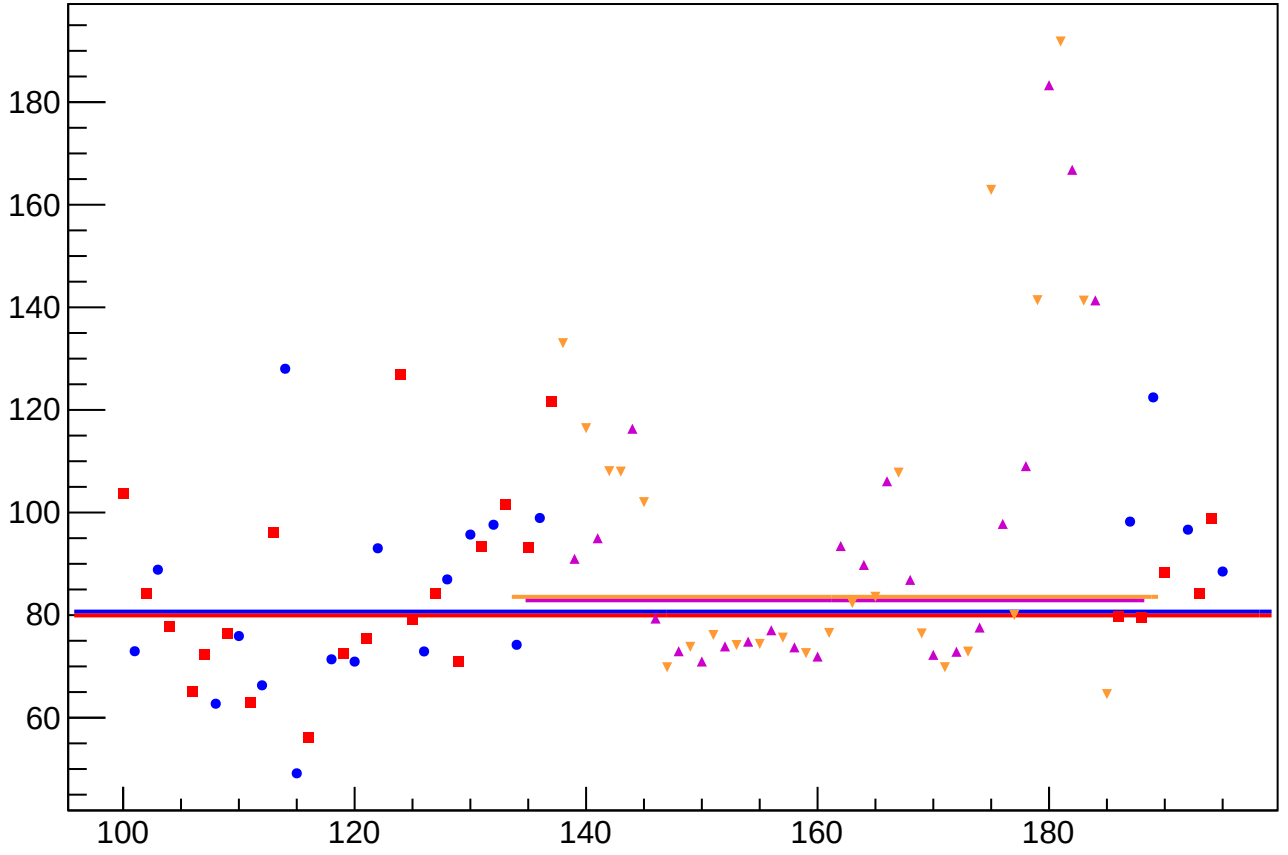
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.012+/-0.011 χ^2/NDF: 113.3/91

- sign 0.023+/-0.016 χ^2/NDF: 65.6/46

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

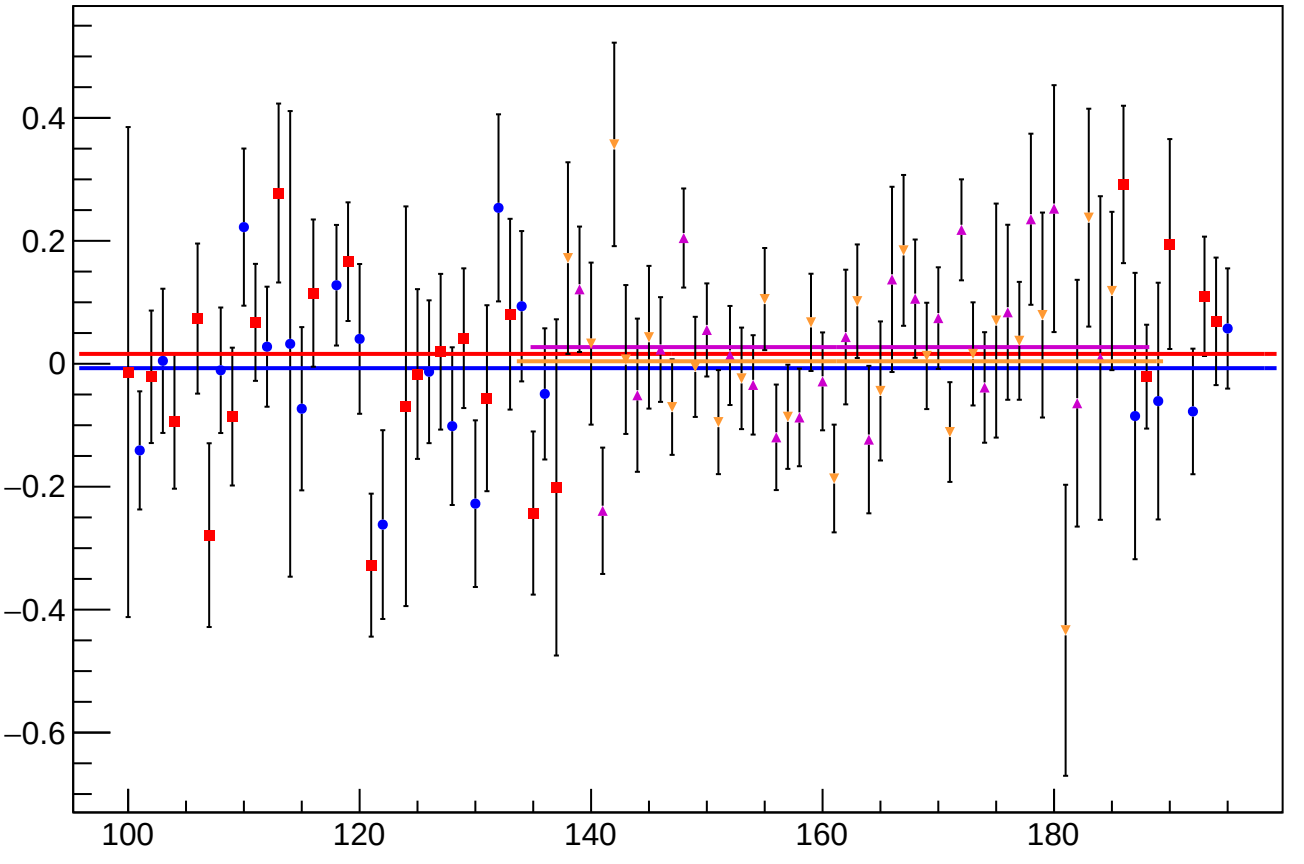
Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

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

+ sign 82.534+/-0.012 χ^2/NDF: 2799685.6/44

All: 82.118+/-0.008 χ^2/NDF: 4873187.8/91

- sign 81.718+/-0.011 χ^2/NDF: 2070931.4/46



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

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

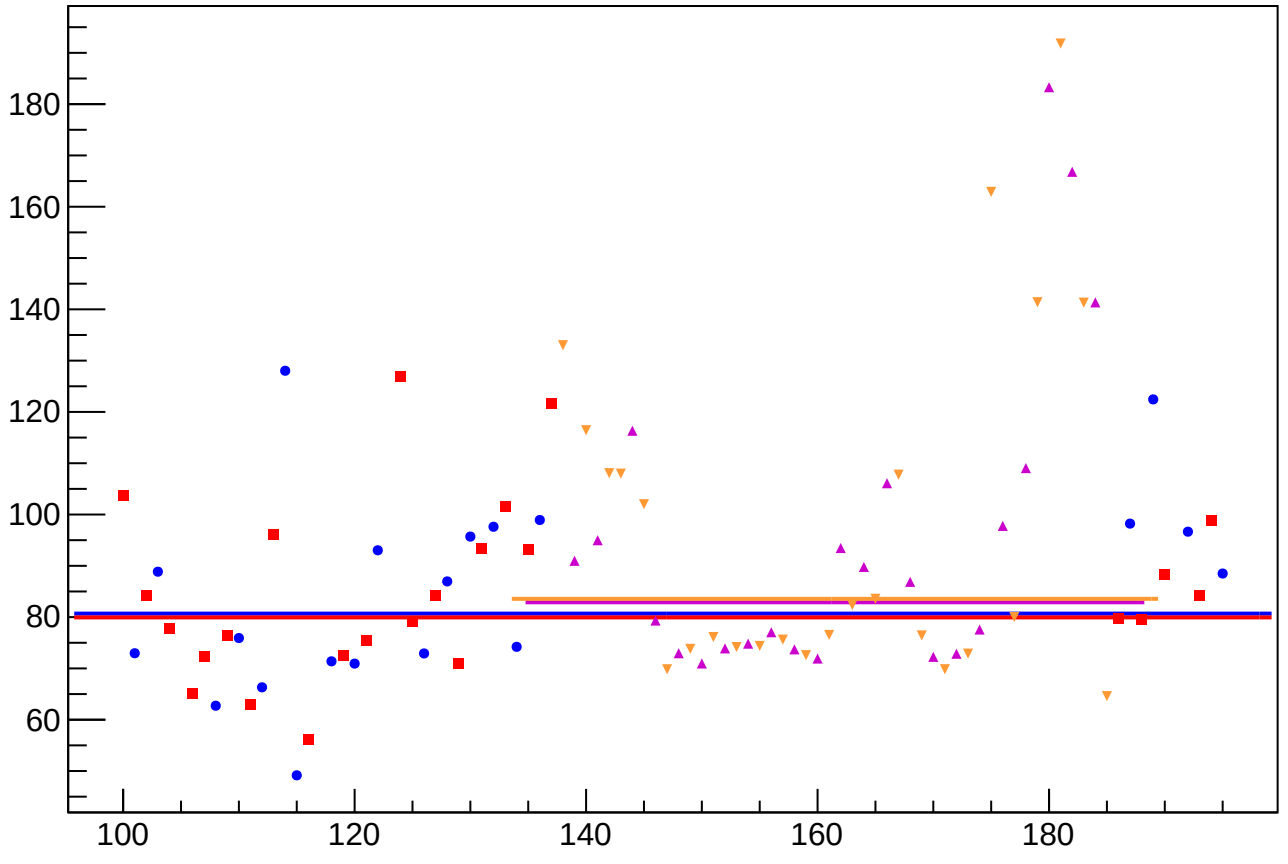
Right Out: 0.016+/-0.025 χ^2/NDF: 33.5/23

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

+ sign 0.000+/-0.016 χ^2/NDF: 46.7/44

All: 0.012+/-0.011 χ^2/NDF: 113.3/91

- sign 0.023+/-0.016 χ^2/NDF: 65.6/46



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: 79.943+/-0.018 χ^2/NDF: 481563.6/23

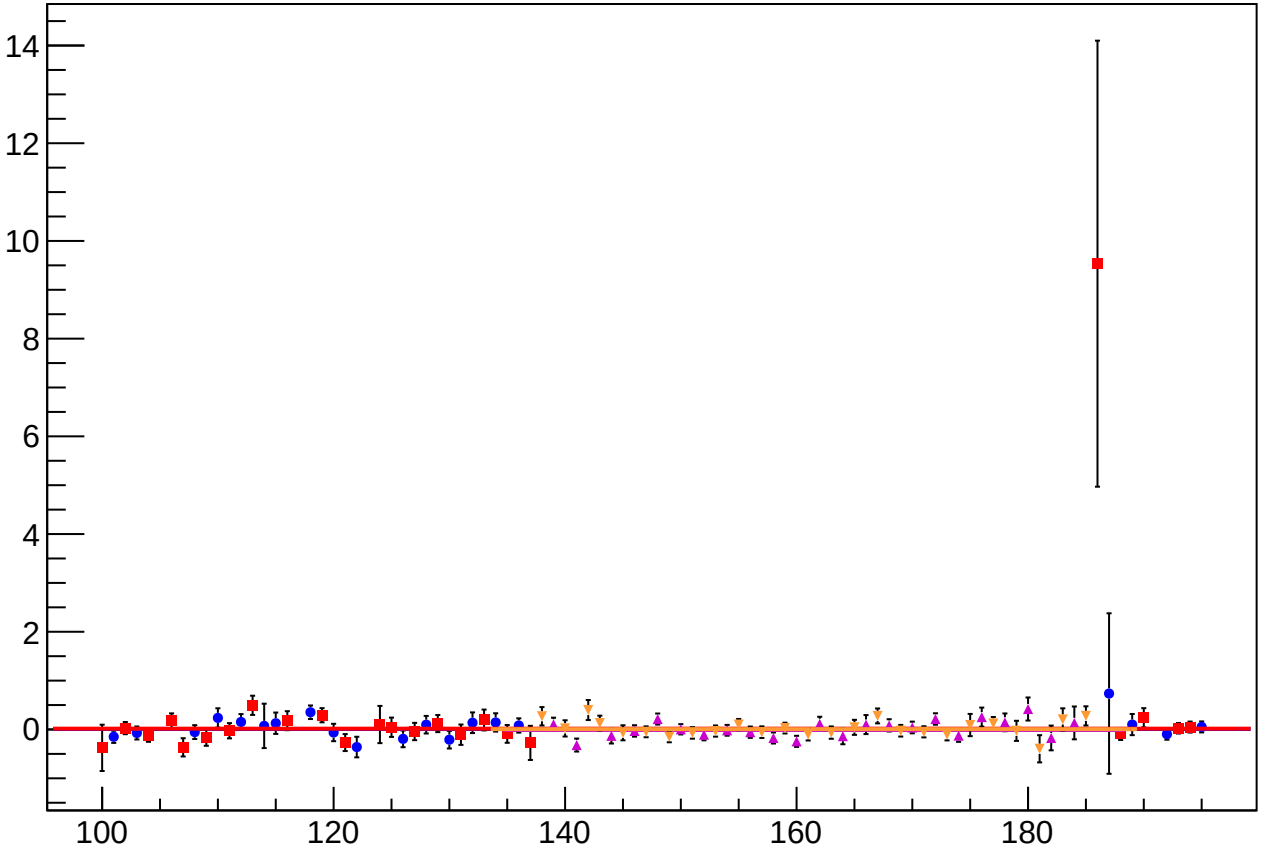
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 82.534+/-0.012 χ^2/NDF: 2799685.6/44

All: 82.118+/-0.008 χ^2/NDF: 4873187.8/91

- sign 81.718+/-0.011 χ^2/NDF: 2070931.4/46

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: 0.016+/-0.034 χ^2/NDF: 30.3/23

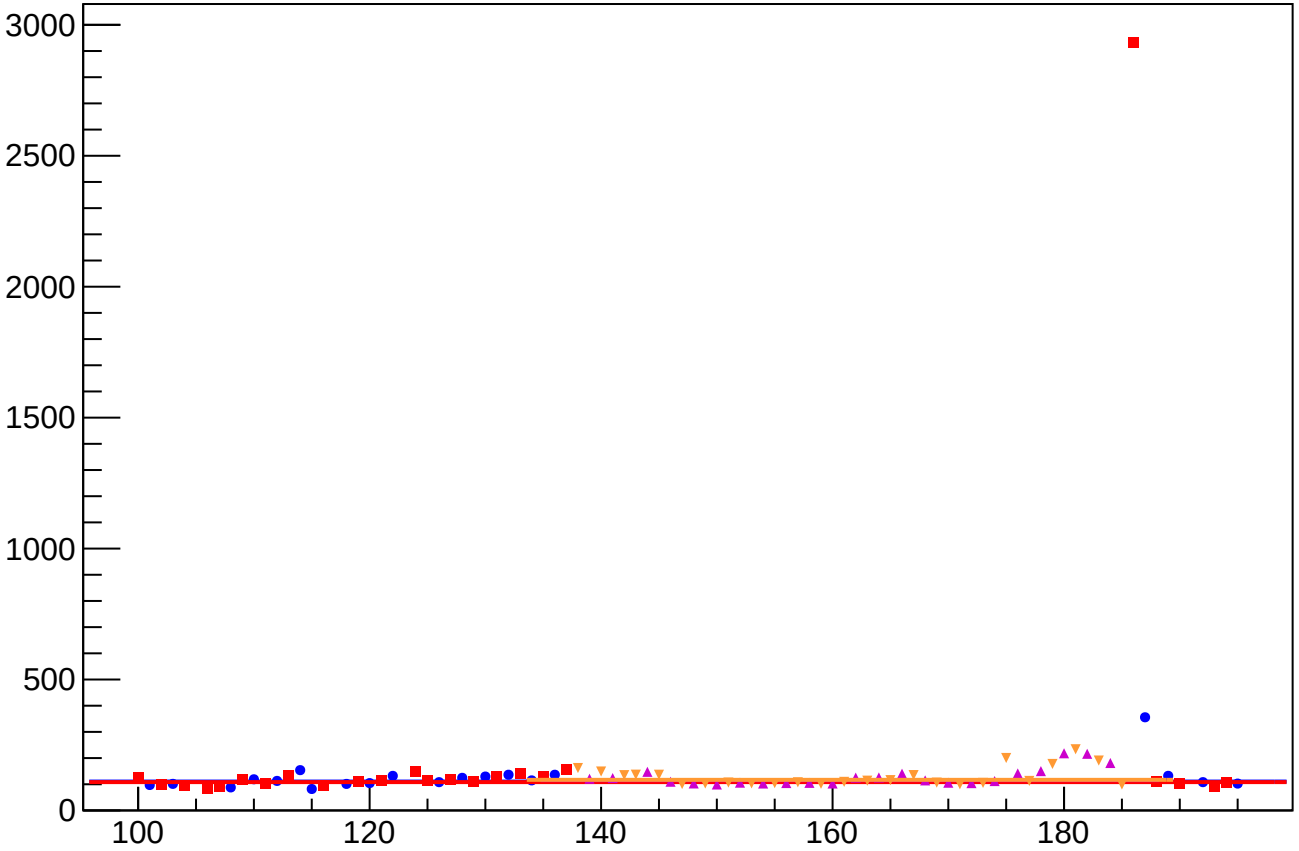
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.007+/-0.022 χ^2/NDF: 40.9/44

All: 0.004+/-0.016 χ^2/NDF: 102.9/91

- sign 0.000+/-0.022 χ^2/NDF: 61.9/46

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: 108.260+/-0.024 χ^2/NDF: 1139894.6/23

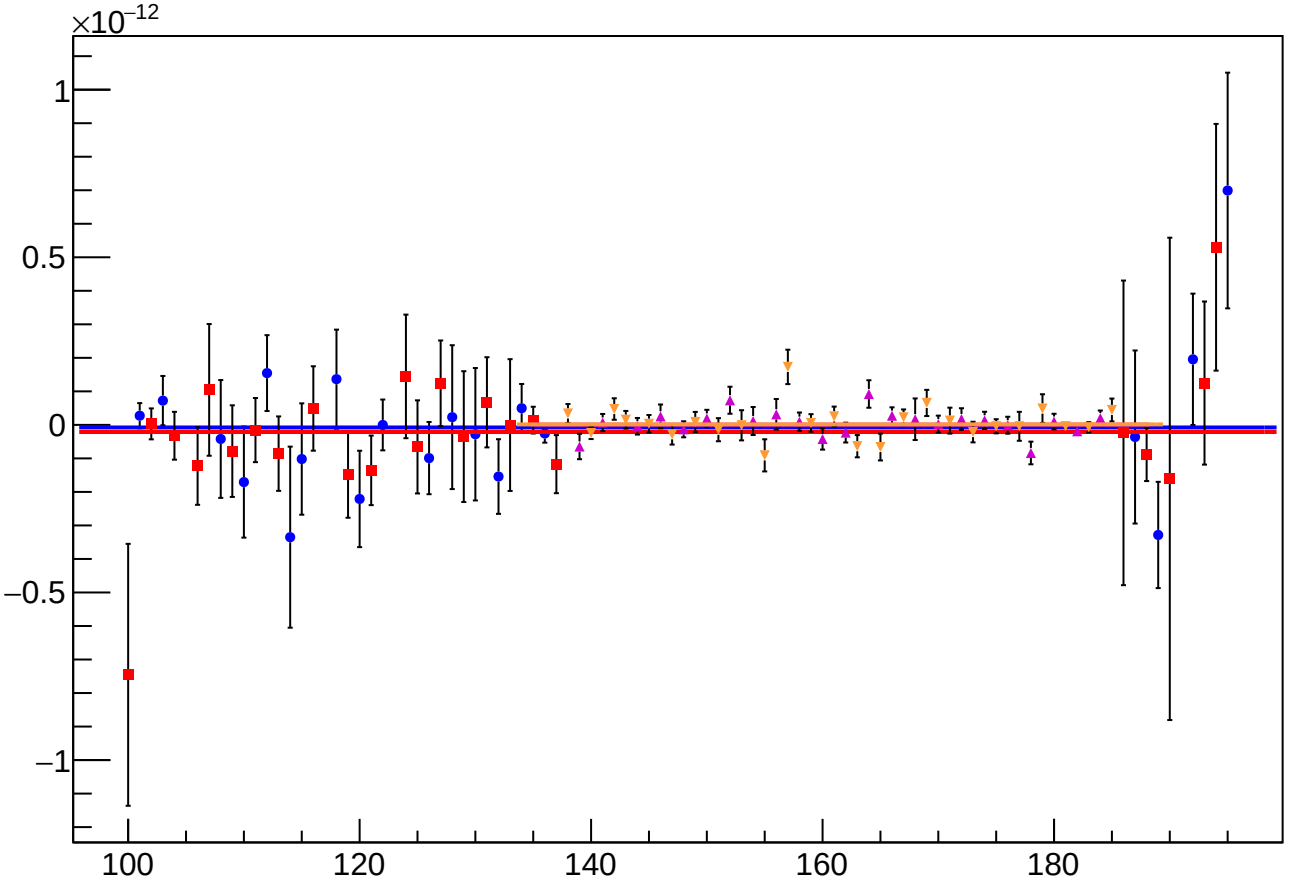
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.497+/-0.016 χ^2/NDF: 2012794.0/44

All: 113.640+/-0.011 χ^2/NDF: 4448320.9/91

- sign 112.811+/-0.015 χ^2/NDF: 2429644.3/46

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

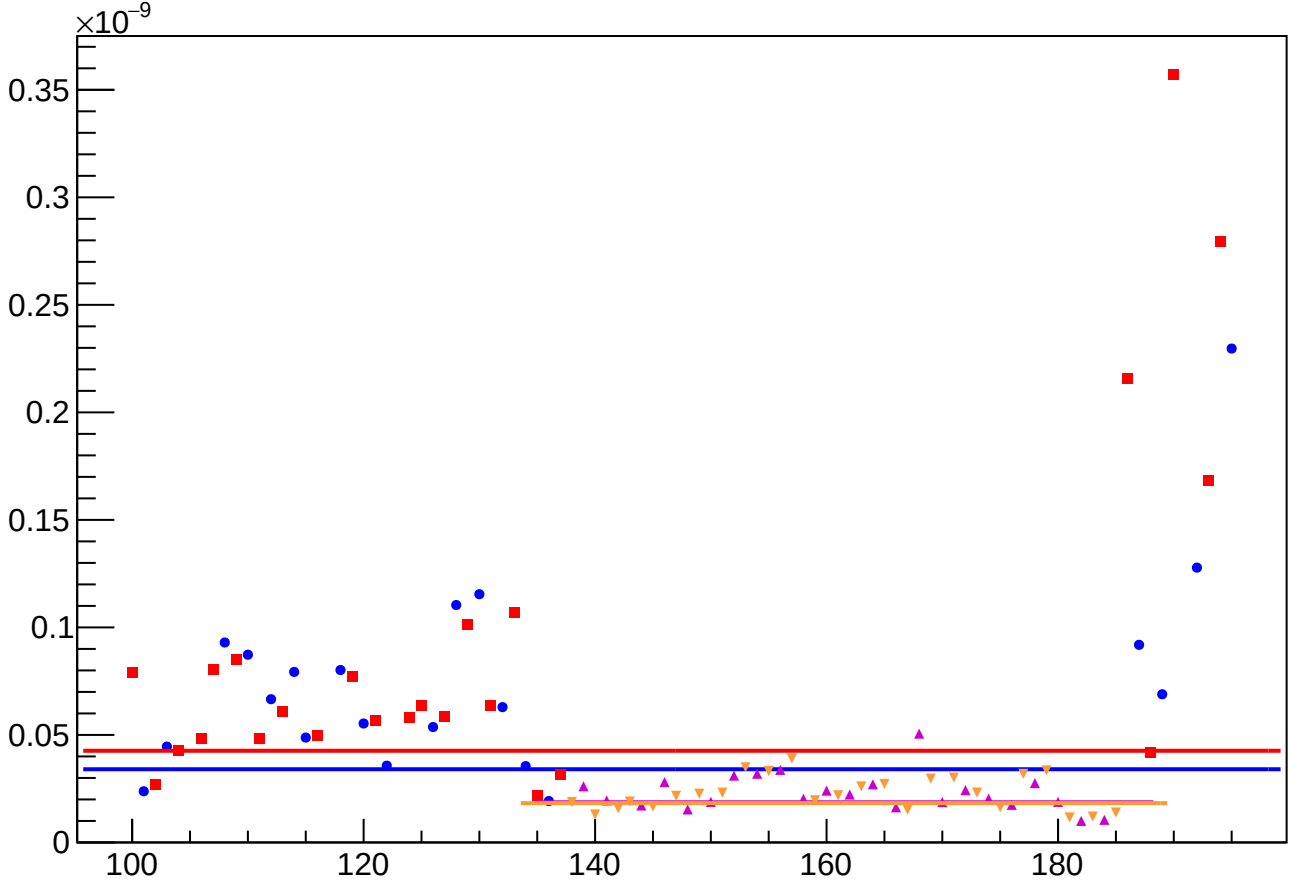
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/23

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: 103.5/91

- sign -0.000+/-0.000 χ^2/NDF: 43.8/46



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: 3926627.2/23

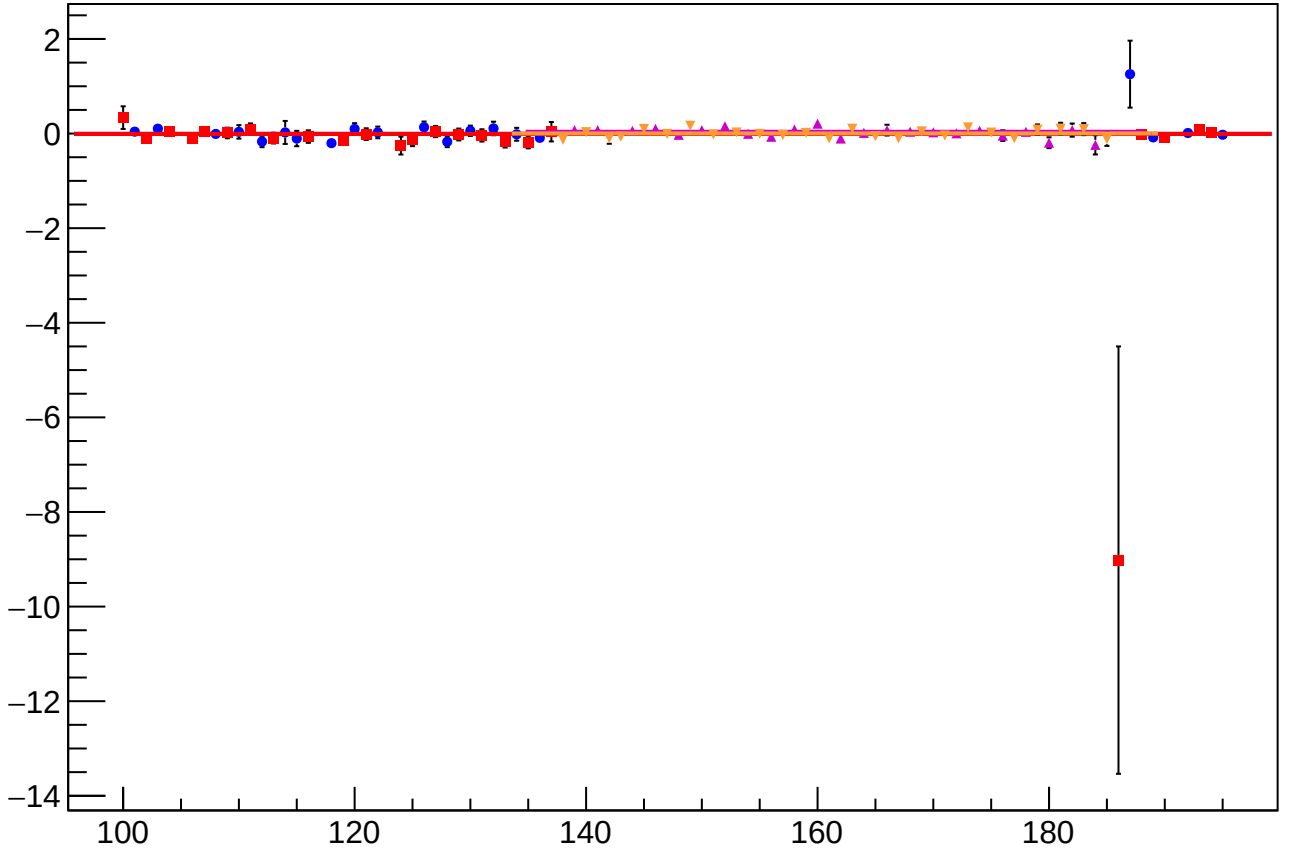
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8241741.8/44

All: 0.000+/-0.000 χ^2/NDF: 17688406.6/91

- sign 0.000+/-0.000 χ^2/NDF: 9426016.3/46

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: -0.009+/-0.017 χ^2/NDF: 30.0/23

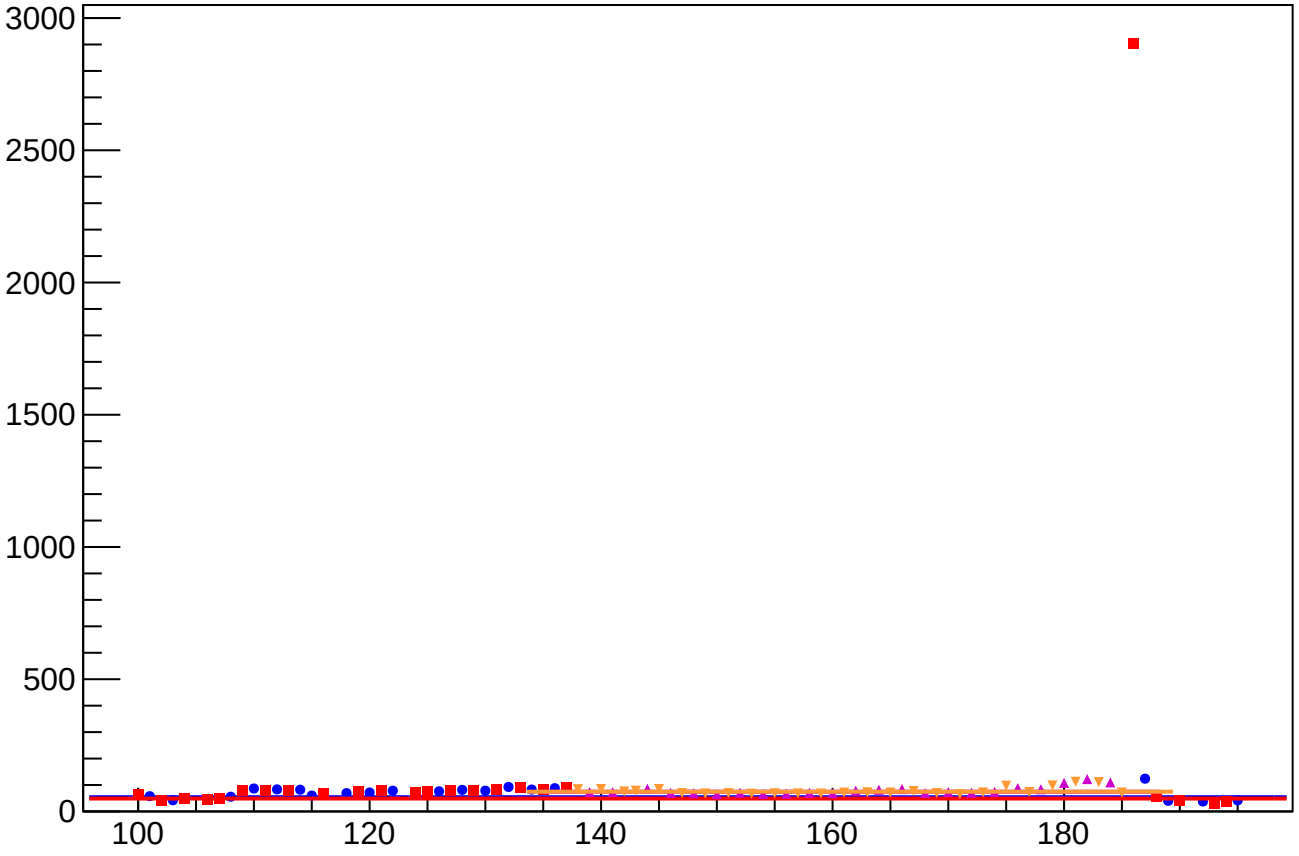
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.001+/-0.013 χ^2/NDF: 43.3/44

All: 0.007+/-0.009 χ^2/NDF: 99.3/91

- sign 0.013+/-0.012 χ^2/NDF: 55.3/46

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

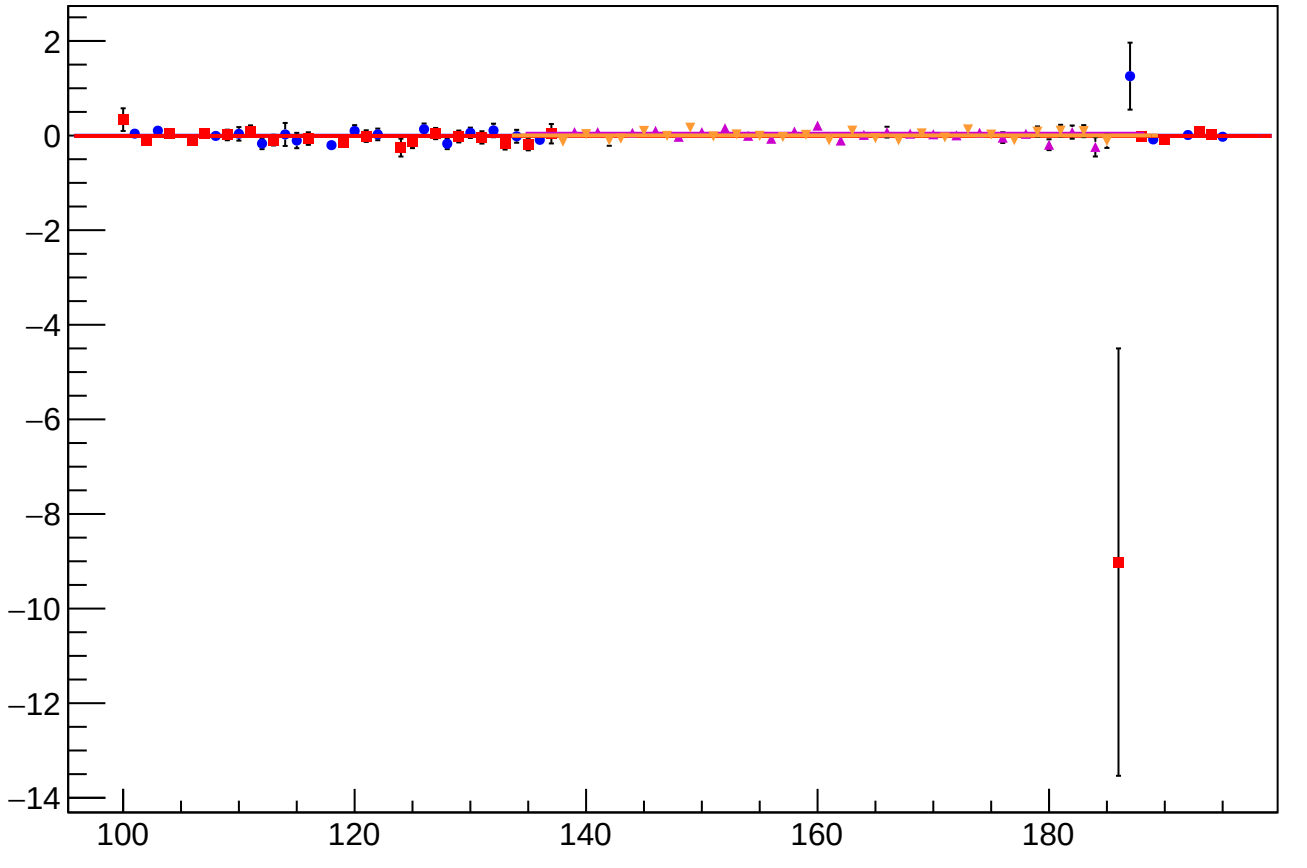
Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 65.095+/-0.009 χ^2/NDF: 3952215.1/44

All: 62.905+/-0.006 χ^2/NDF: 10378318.8/91

- sign 60.899+/-0.009 χ^2/NDF: 6313303.6/46



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: -0.009+/-0.017 χ^2/NDF: 30.0/23

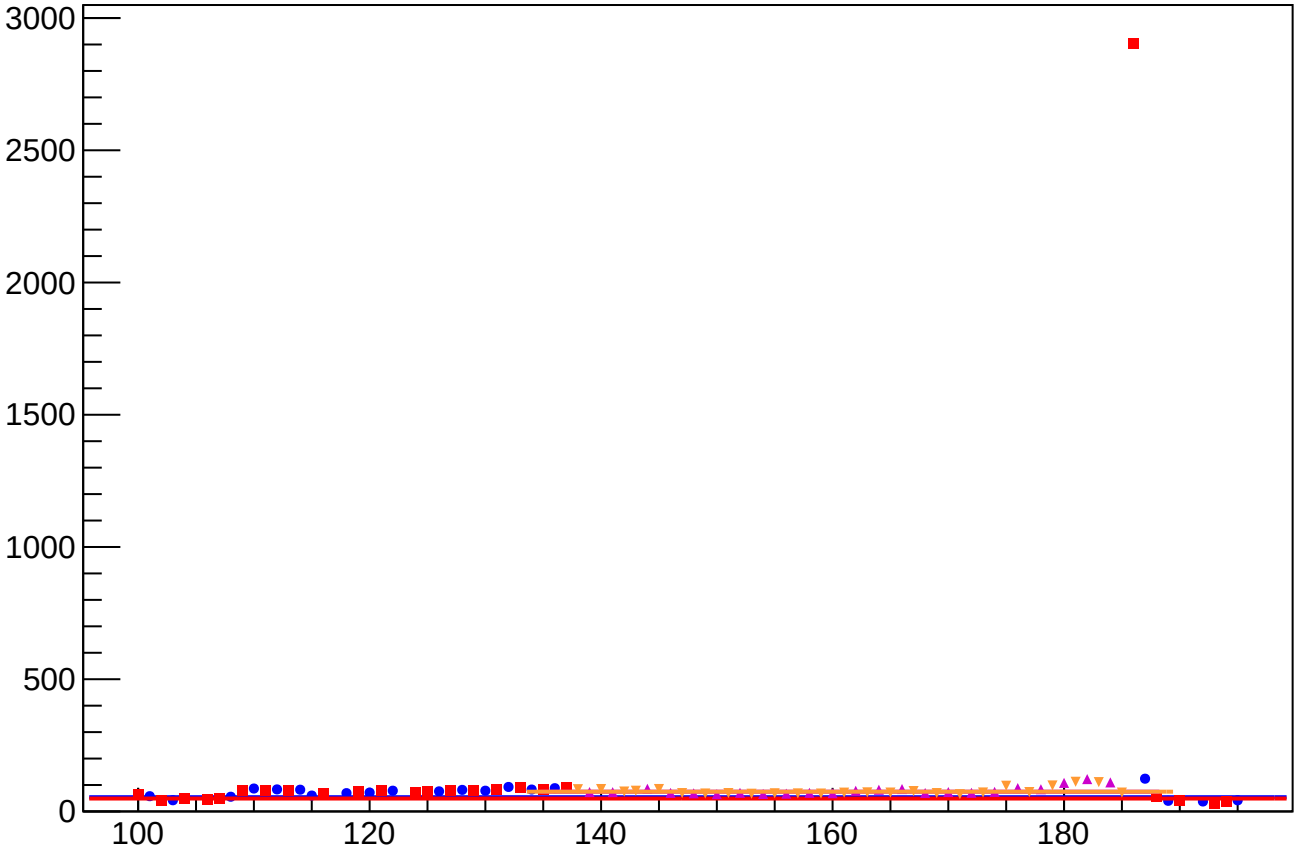
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.001+/-0.013 χ^2/NDF: 43.3/44

All: 0.007+/-0.009 χ^2/NDF: 99.3/91

- sign 0.013+/-0.012 χ^2/NDF: 55.3/46

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: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

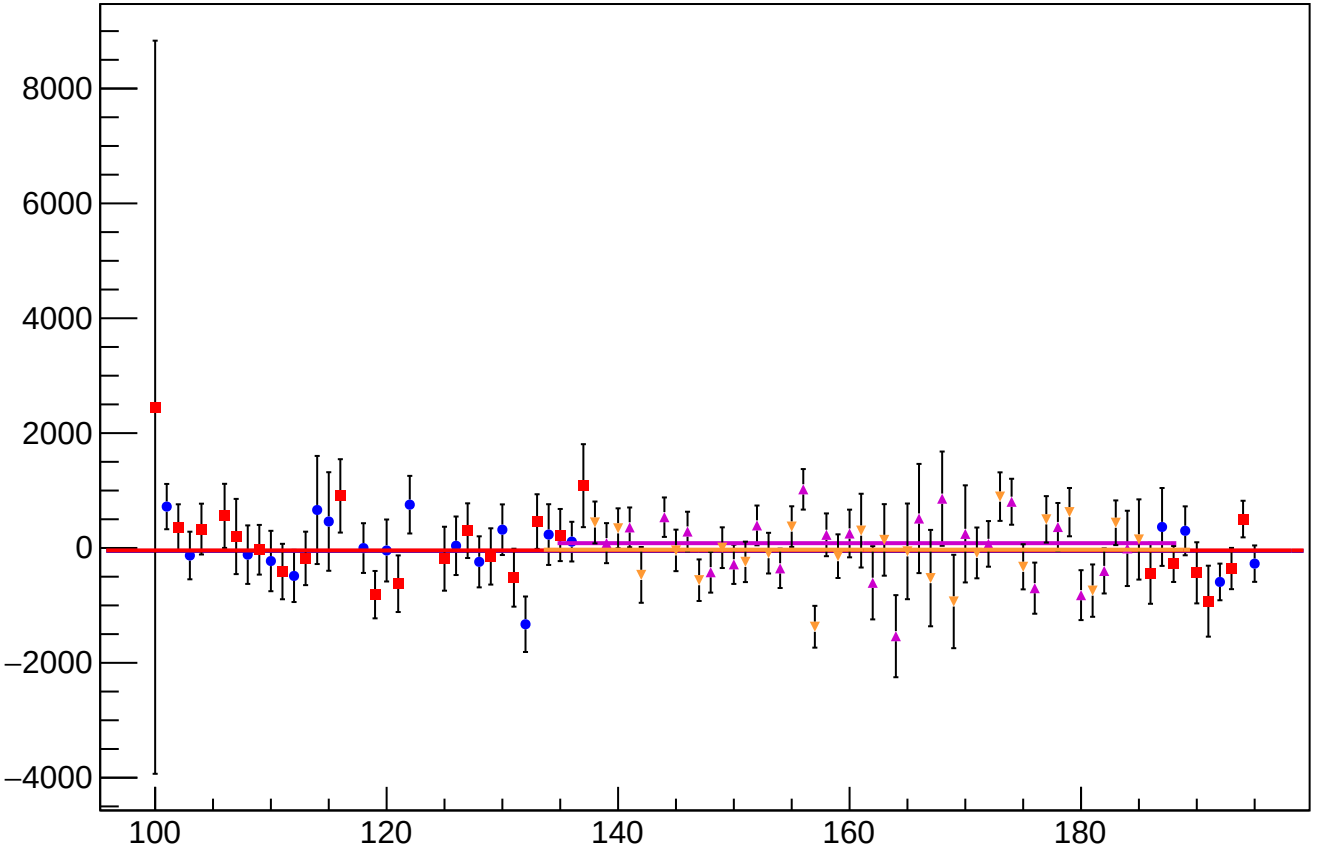
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 65.095+/-0.009 χ^2/NDF: 3952215.1/44

All: 62.905+/-0.006 χ^2/NDF: 10378318.8/91

- sign 60.899+/-0.009 χ^2/NDF: 6313303.6/46

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: -42.764+/-96.286 χ^2/NDF: 23.7/23

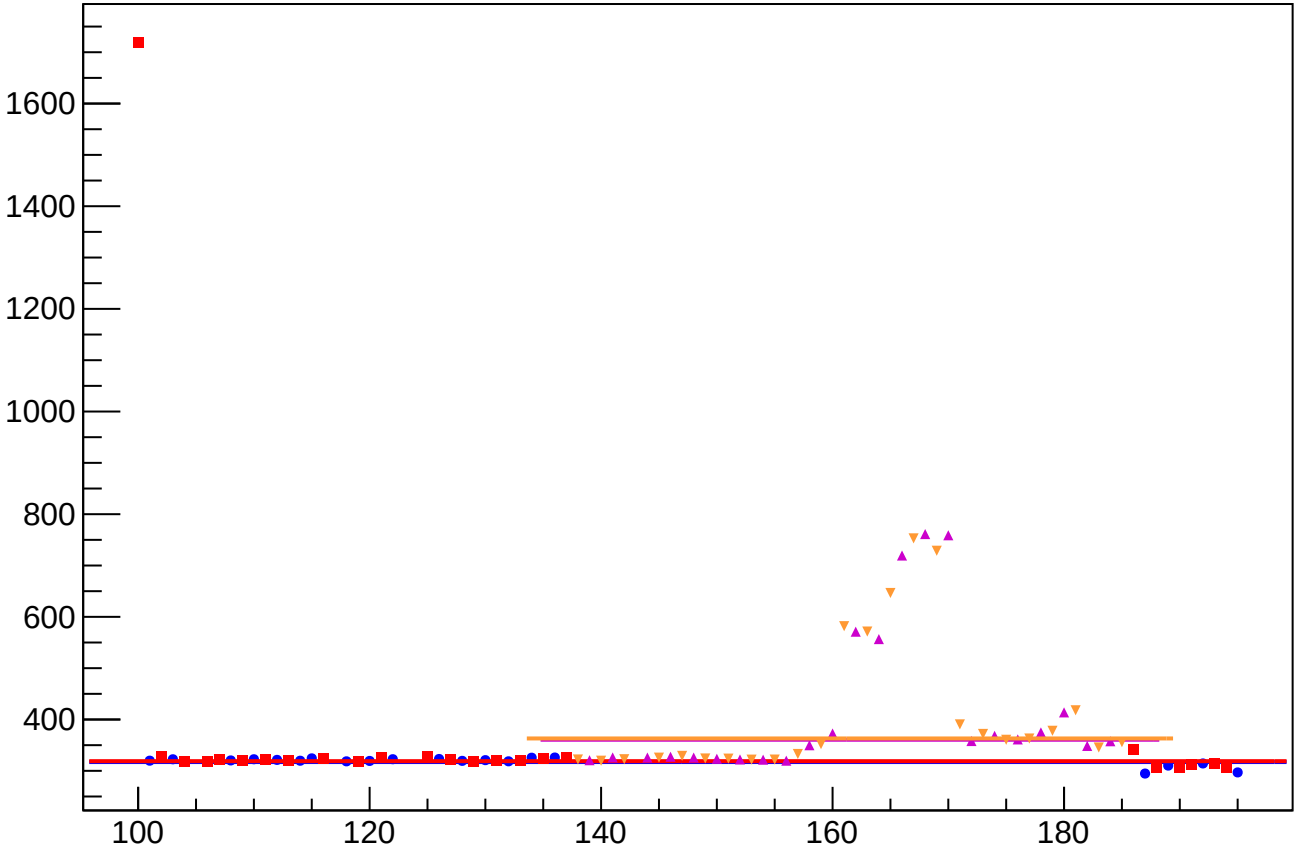
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -38.552+/-65.778 χ^2/NDF: 57.8/43

All: -4.924+/-45.994 χ^2/NDF: 118.8/90

- sign 27.248+/-64.337 χ^2/NDF: 60.5/46

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: 318.840+/-0.068 χ^2/NDF: 109904.5/23

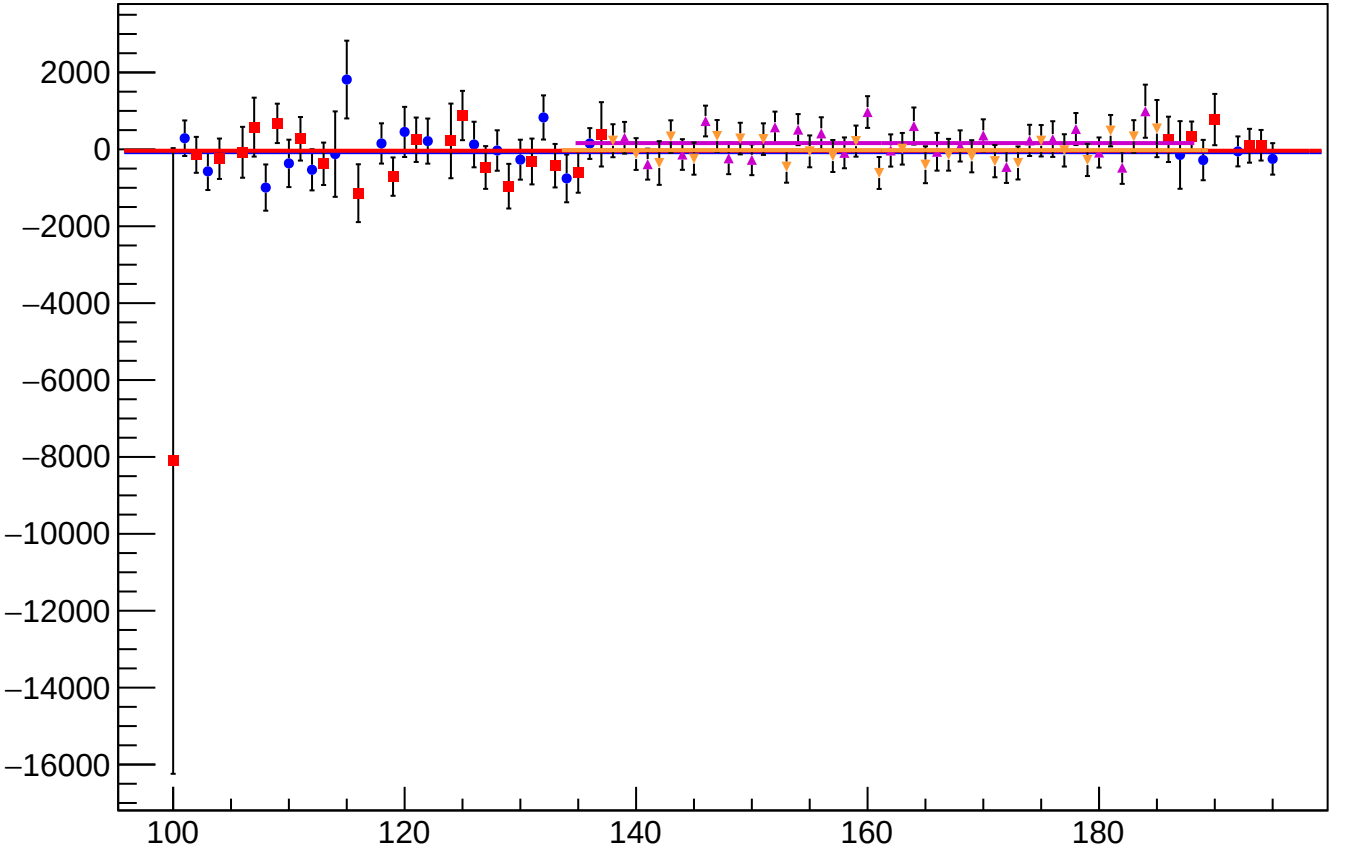
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 343.677+/-0.047 χ^2/NDF: 2048386.9/43

All: 342.793+/-0.033 χ^2/NDF: 4184782.4/90

- sign 341.947+/-0.045 χ^2/NDF: 2135688.3/46

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: -35.907+/-115.503 χ^2/NDF: 18.8/23

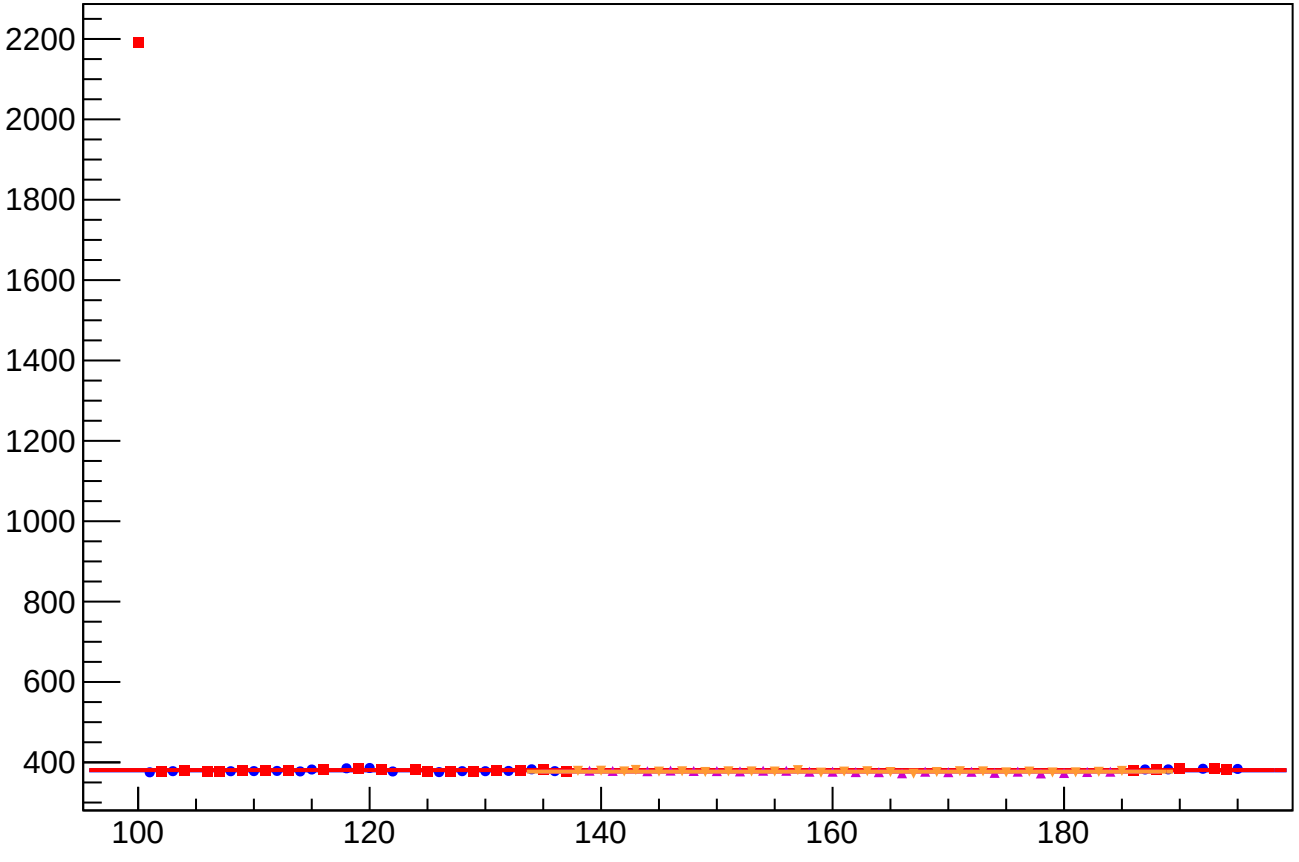
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -38.520+/-69.949 χ^2/NDF: 26.9/44

All: 25.673+/-49.477 χ^2/NDF: 71.0/91

- sign 89.950+/-69.994 χ^2/NDF: 42.4/46

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

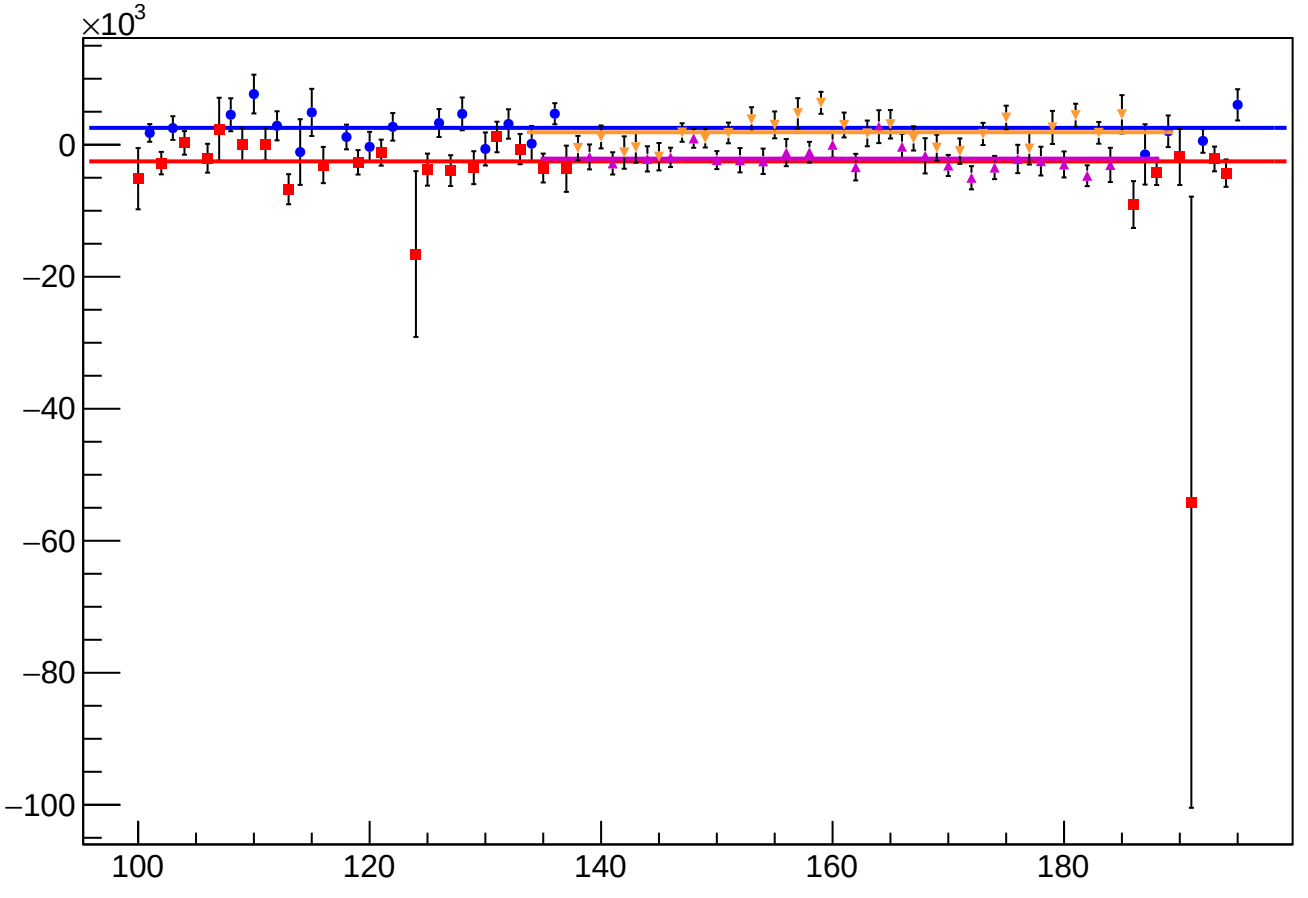
Right Out: 380.861+/-0.082 χ^2/NDF: 100087.9/23

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.960+/-0.049 χ^2/NDF: 3371.0/44

All: 378.140+/-0.035 χ^2/NDF: 106088.7/91

- sign 378.320+/-0.049 χ^2/NDF: 102691.2/46



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: -2521.389+/-484.220 χ^2/NDF: 21.7/24

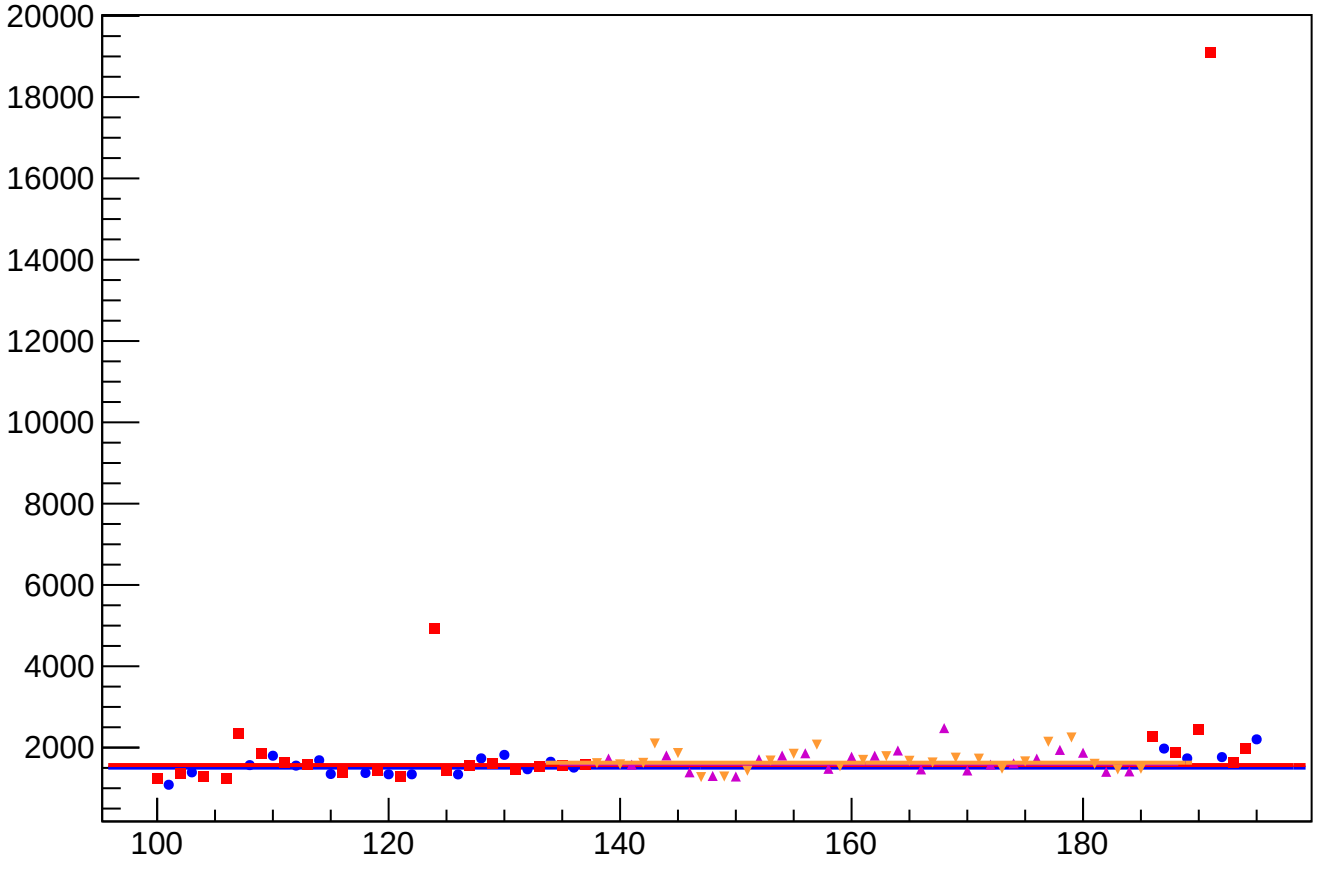
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2136.903+/-297.938 χ^2/NDF: 46.0/44

All: -59.316+/-210.864 χ^2/NDF: 195.6/92

- sign -2263.466+/-298.476 χ^2/NDF: 40.7/47

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: 1570.362+/-0.342 χ^2/NDF: 1012393.8/24

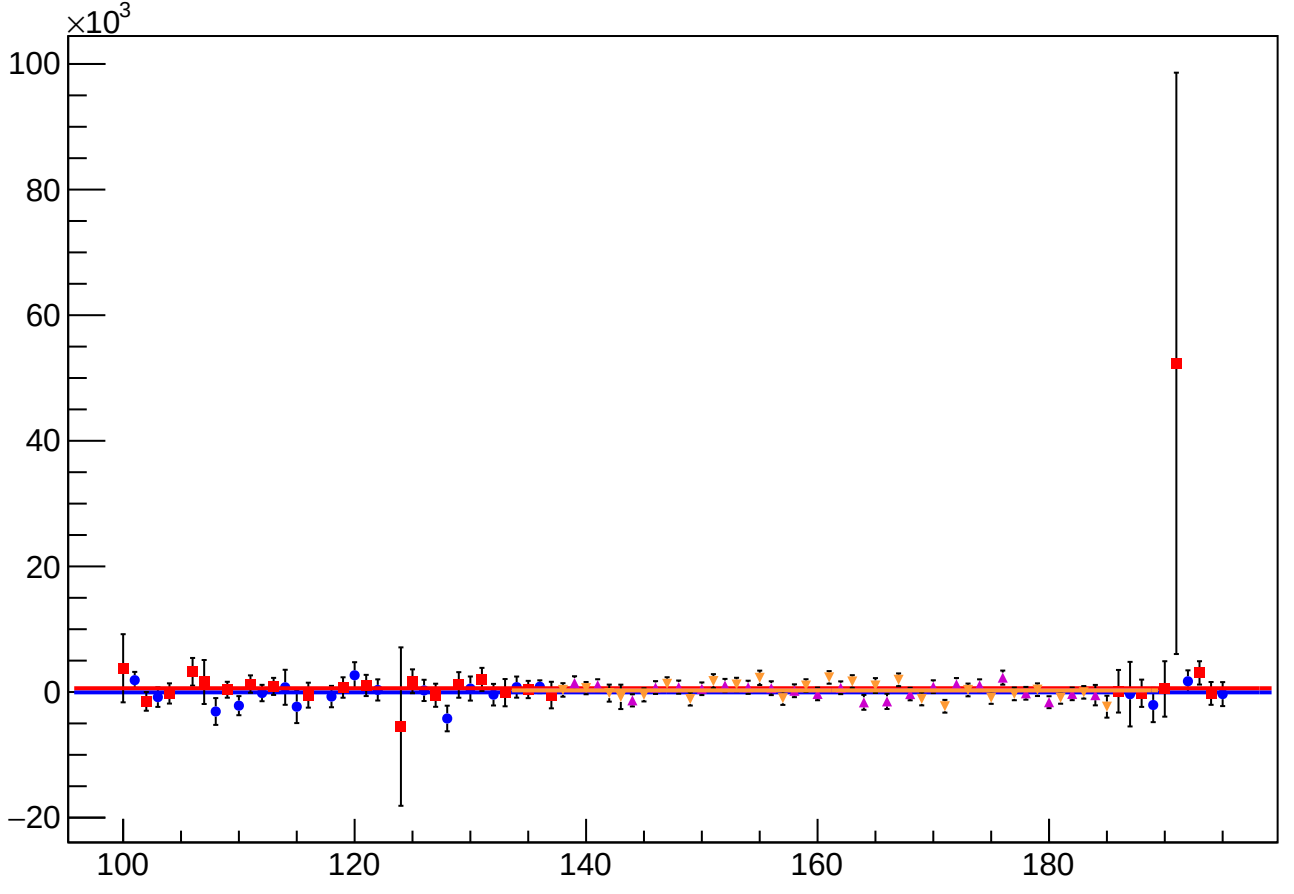
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1583.506+/-0.211 χ^2/NDF: 1444809.9/44

All: 1586.581+/-0.149 χ^2/NDF: 3256480.0/92

- sign 1589.667+/-0.211 χ^2/NDF: 1811243.2/47

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: 601.845+/-381.983 χ^2/NDF: 10.1/24

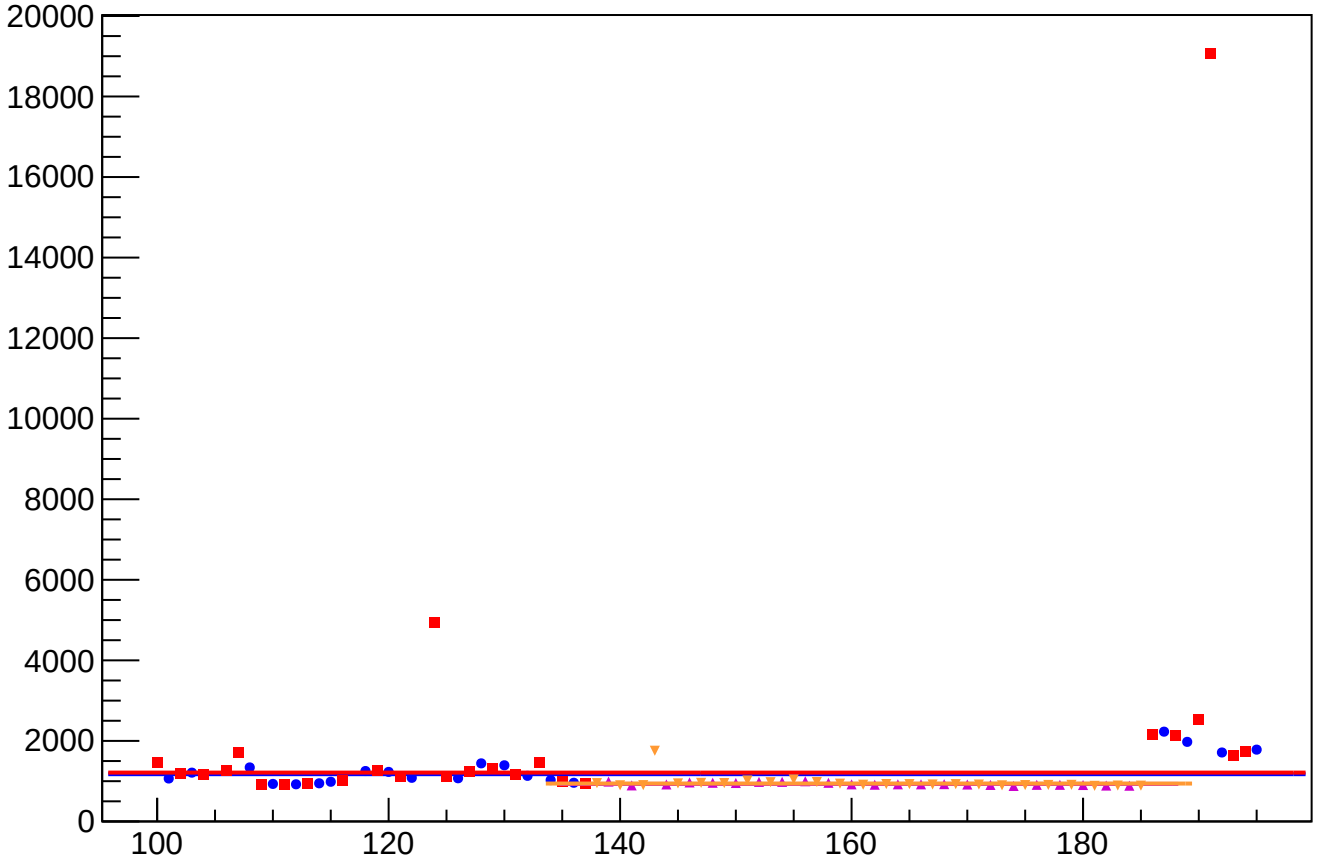
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 187.536+/-187.755 χ^2/NDF: 50.6/44

All: 267.744+/-133.246 χ^2/NDF: 83.0/92

- sign 349.132+/-189.129 χ^2/NDF: 32.1/47

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: 1213.195+/-0.270 χ^2/NDF: 1909885.3/24

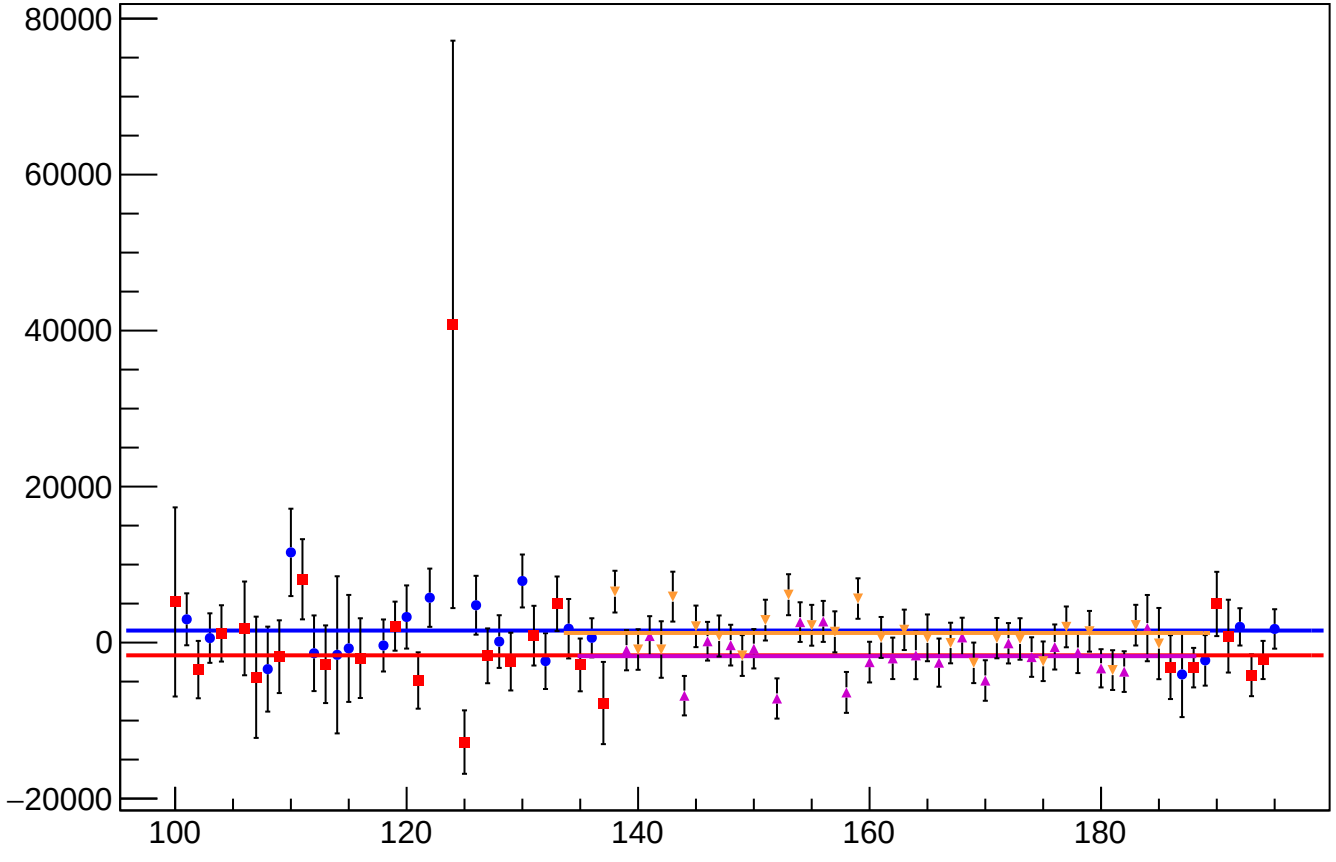
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 996.212+/-0.133 χ^2/NDF: 1984889.0/44

All: 998.392+/-0.094 χ^2/NDF: 4764904.0/92

- sign 1000.604+/-0.134 χ^2/NDF: 2779471.7/47

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: -1634.365+/-776.995 χ^2/NDF: 26.2/24

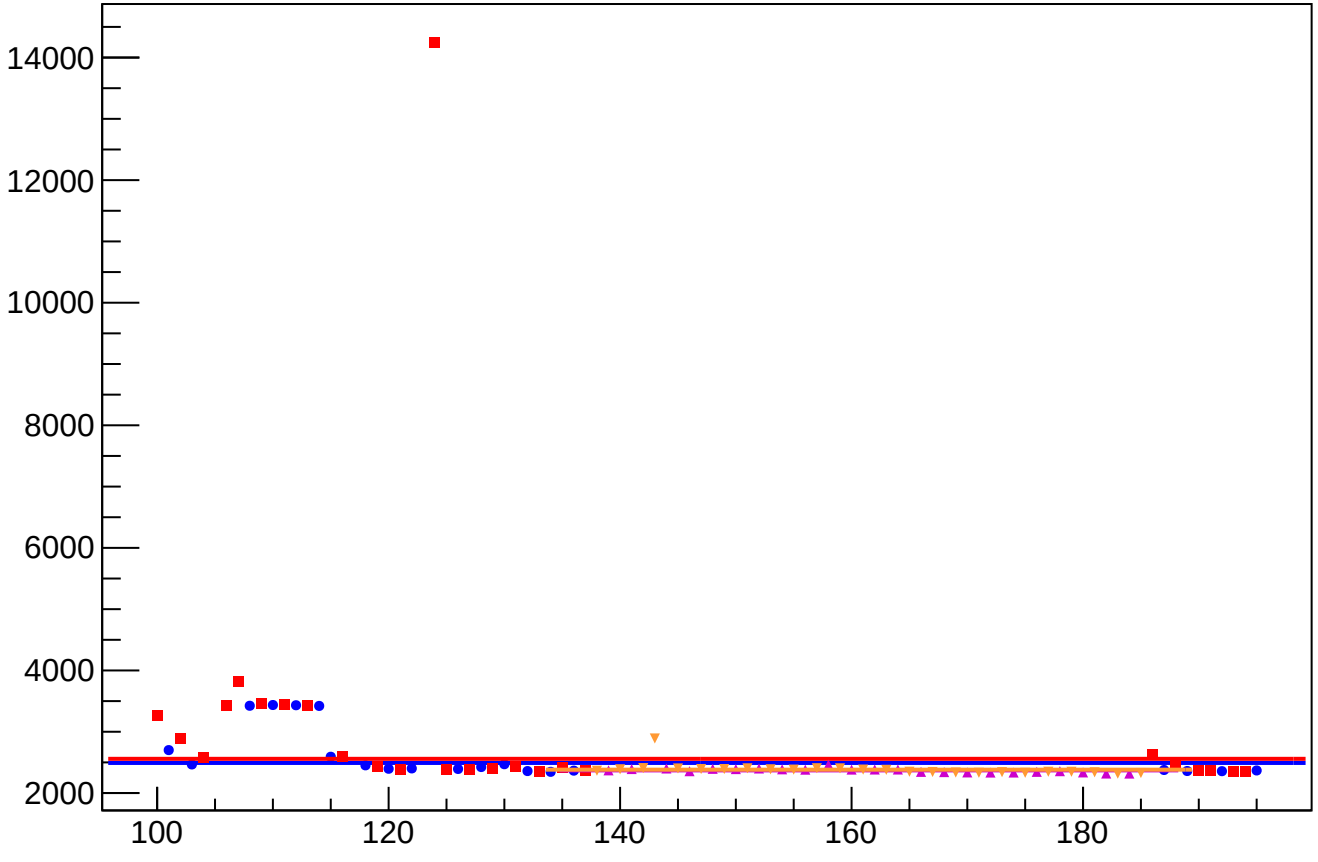
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.331+/-448.325 χ^2/NDF: 38.9/44

All: -179.187+/-317.843 χ^2/NDF: 112.3/92

- sign -1705.609+/-450.679 χ^2/NDF: 50.6/47

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: 2558.281+/-0.549 χ^2/NDF: 588517.7/24

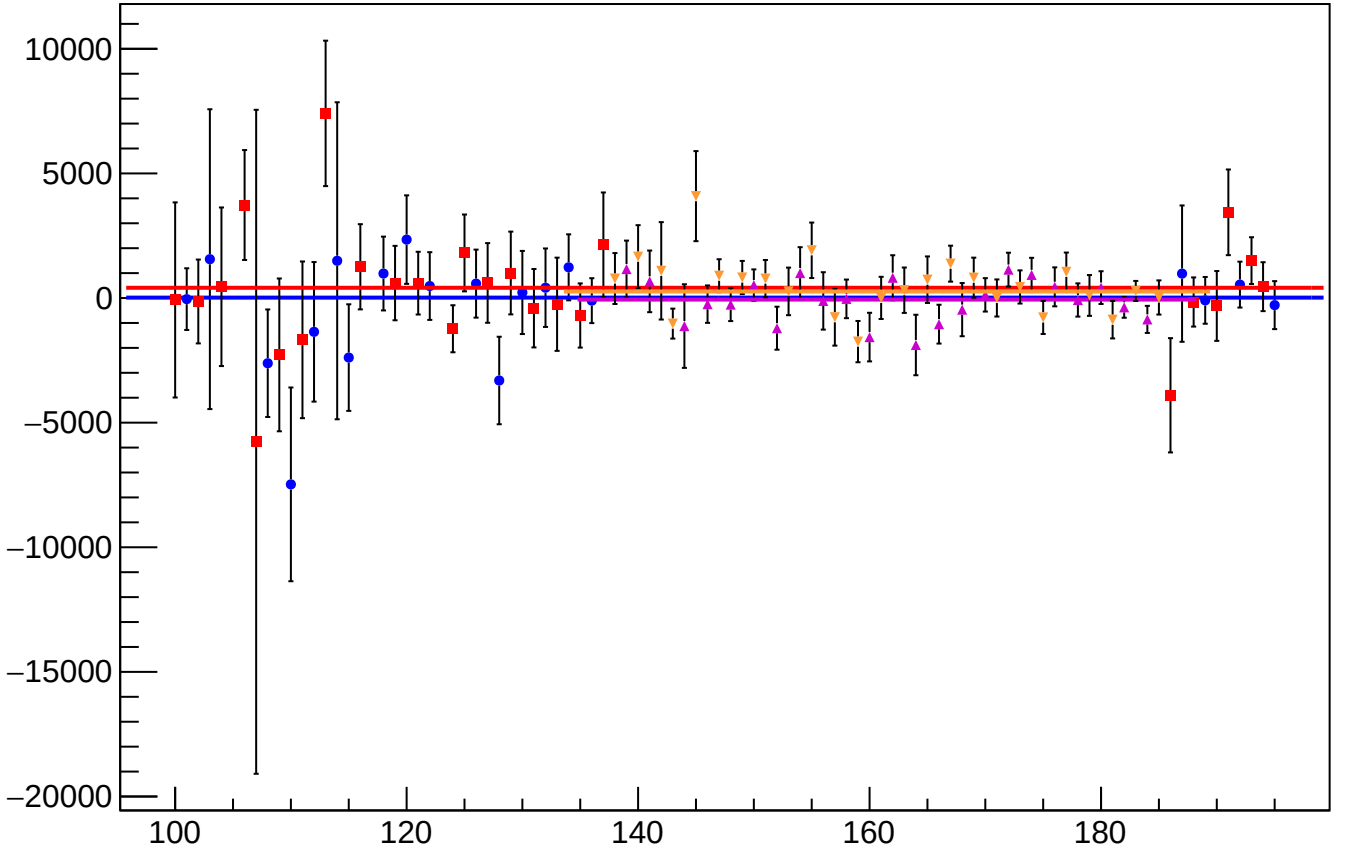
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2424.260+/-0.225 χ^2/NDF: 1005943.4/92

- sign 2432.935+/-0.319 χ^2/NDF: 673989.6/47

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: 411.971+/-308.107 χ^2/NDF: 24.3/24

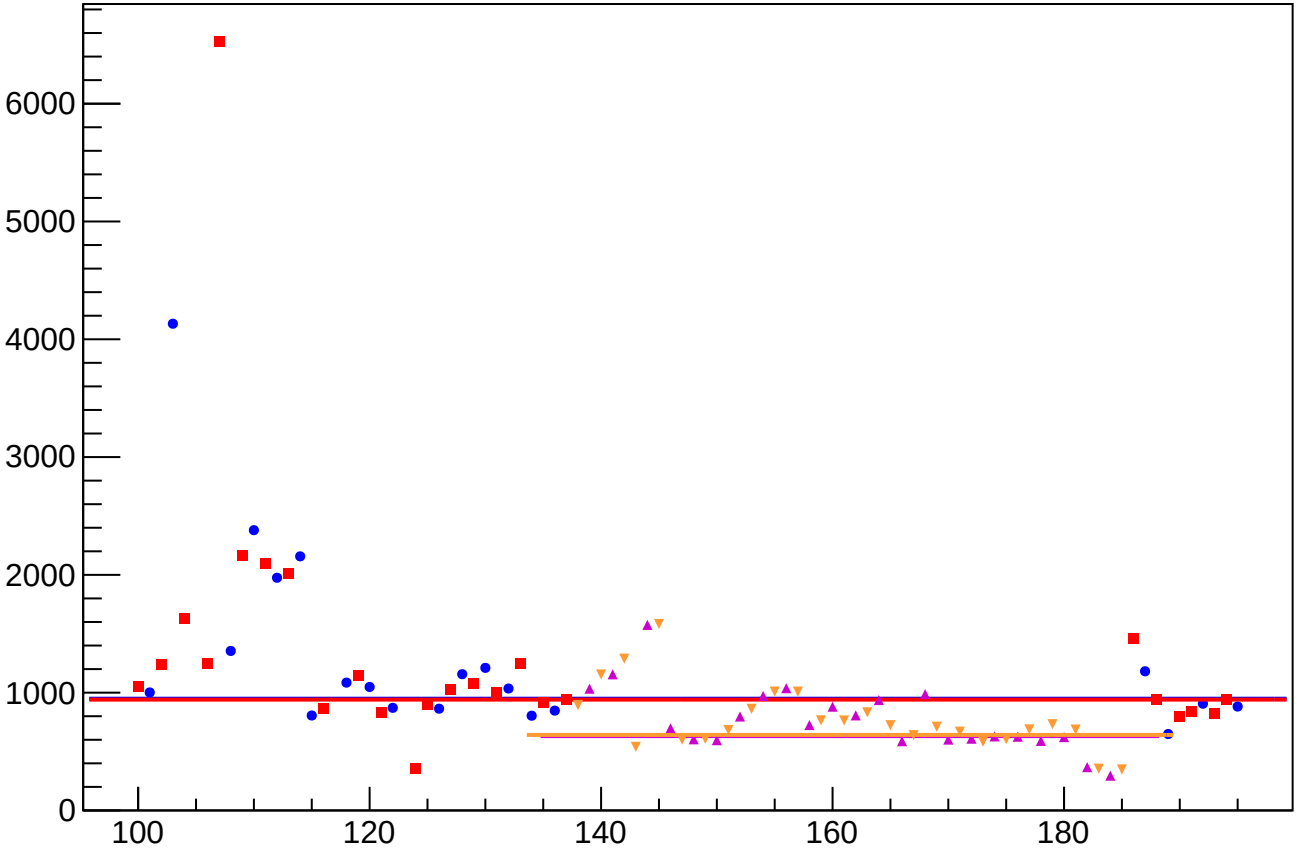
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 216.472+/-138.992 χ^2/NDF: 45.9/44

All: 127.054+/-98.694 χ^2/NDF: 94.9/92

\- sign 36.122+/-140.164 χ^2/NDF: 48.1/47

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: 941.007+/-0.218 χ^2/NDF: 2479139.0/24

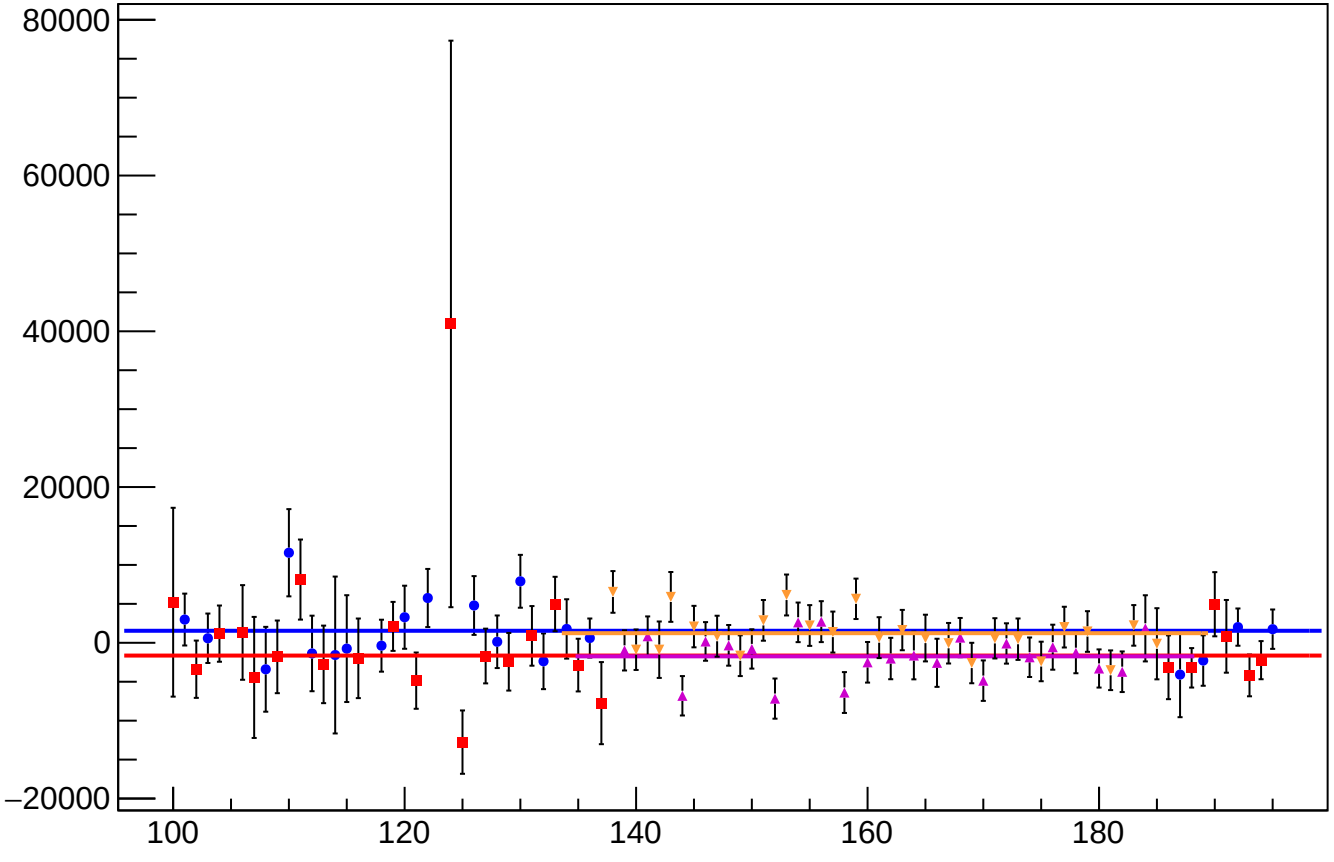
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 698.190+/-0.098 χ^2/NDF: 6611567.5/44

All: 696.764+/-0.070 χ^2/NDF: 14670236.7/92

- sign 695.314+/-0.099 χ^2/NDF: 8058244.6/47

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: -1640.439+/-777.143 χ^2/NDF: 26.1/24

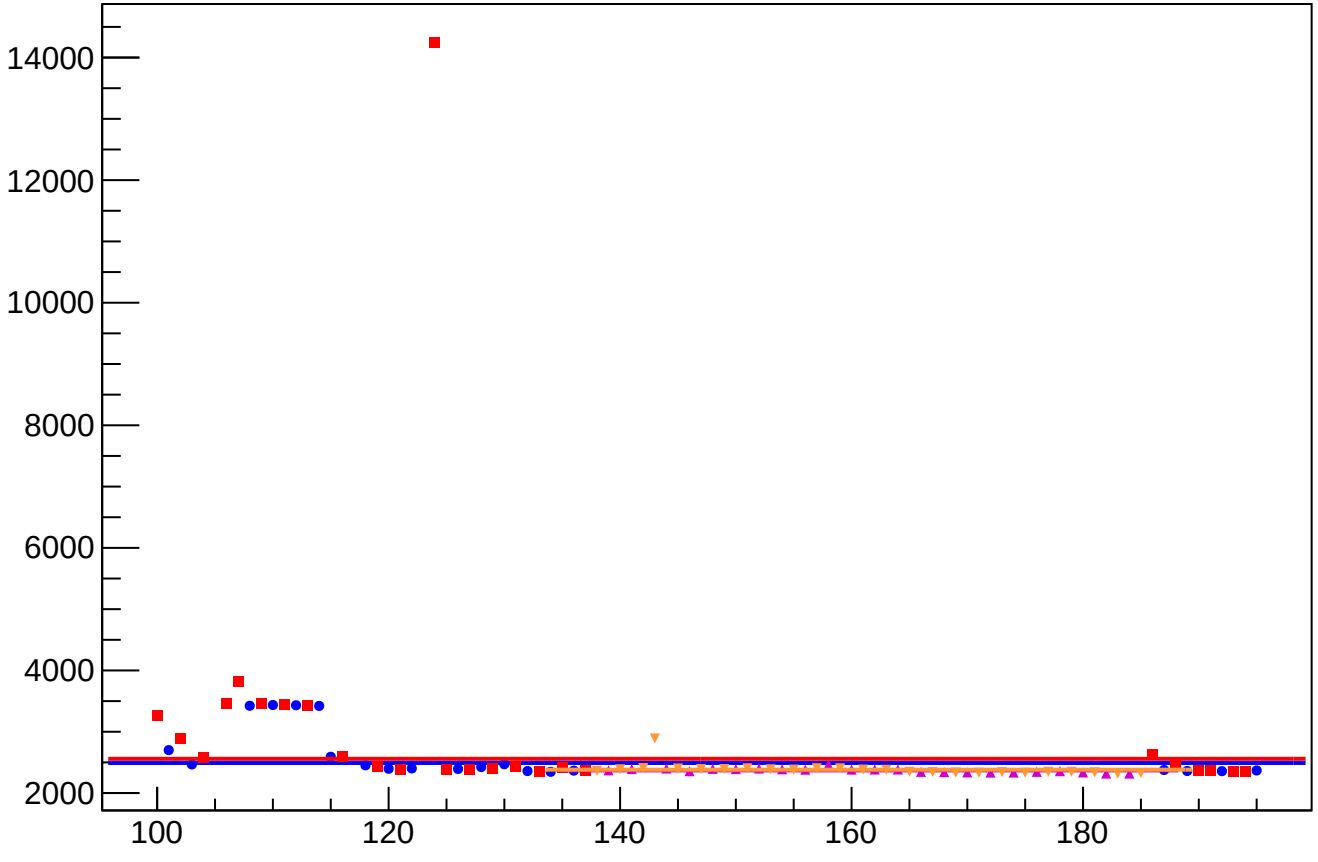
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.393+/-448.325 χ^2/NDF: 38.9/44

All: -180.098+/-317.853 χ^2/NDF: 112.2/92

- sign -1707.697+/-450.708 χ^2/NDF: 50.5/47

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: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

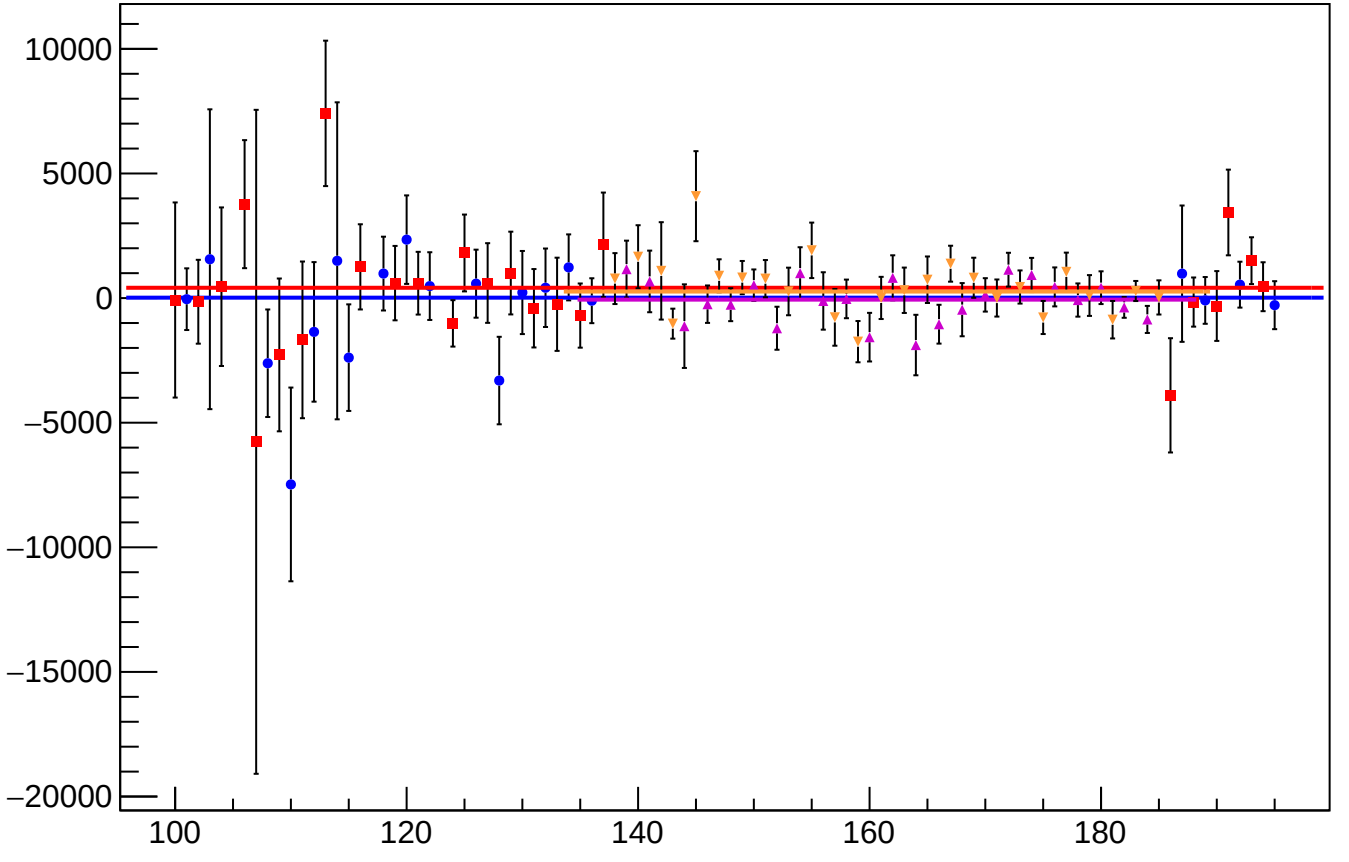
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2424.304+/-0.225 χ^2/NDF: 1008971.2/92

- sign 2433.024+/-0.319 χ^2/NDF: 677002.2/47

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: 414.051+/-308.462 χ^2/NDF: 23.0/24

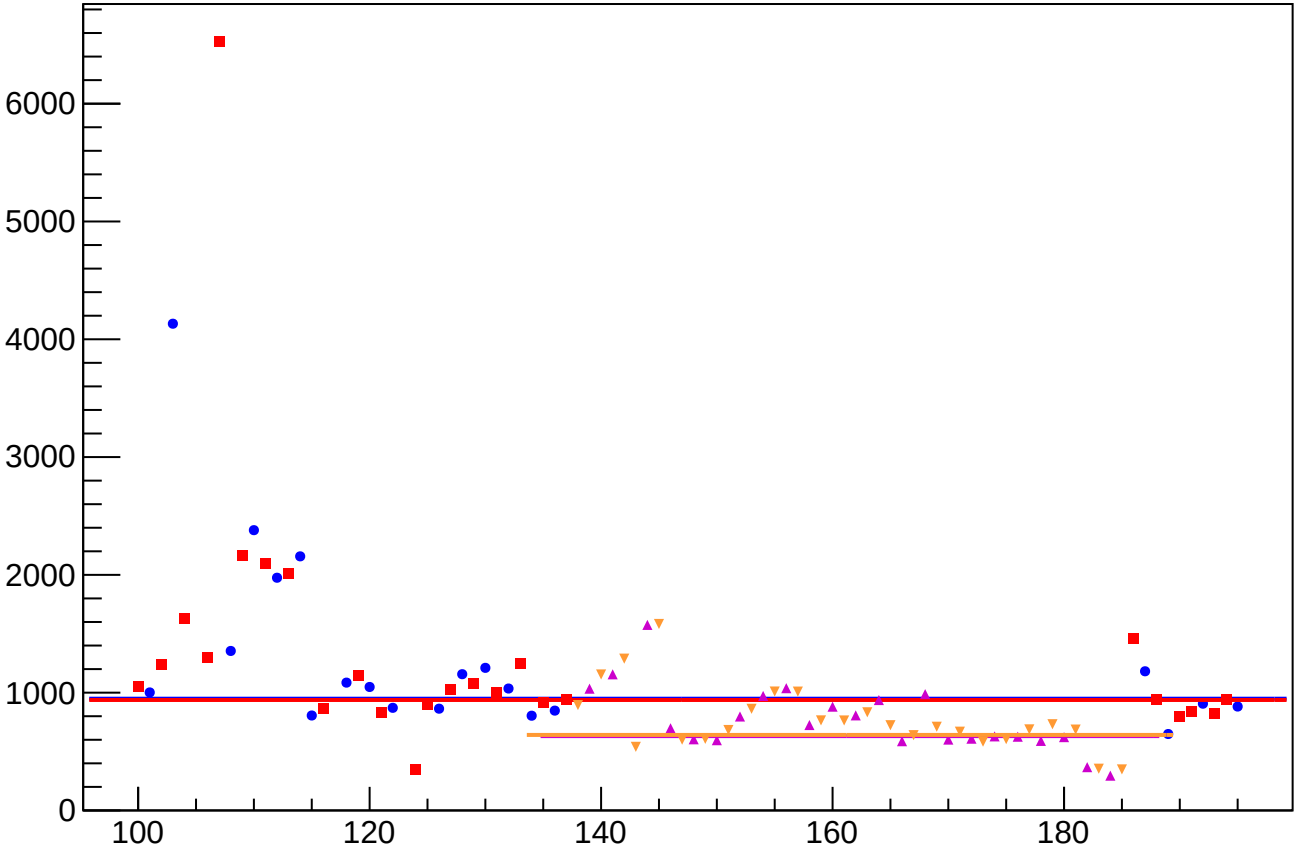
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 216.694+/-138.994 χ^2/NDF: 45.9/44

All: 127.303+/-98.706 χ^2/NDF: 93.7/92

- sign 36.358+/-140.197 χ^2/NDF: 46.9/47

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: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

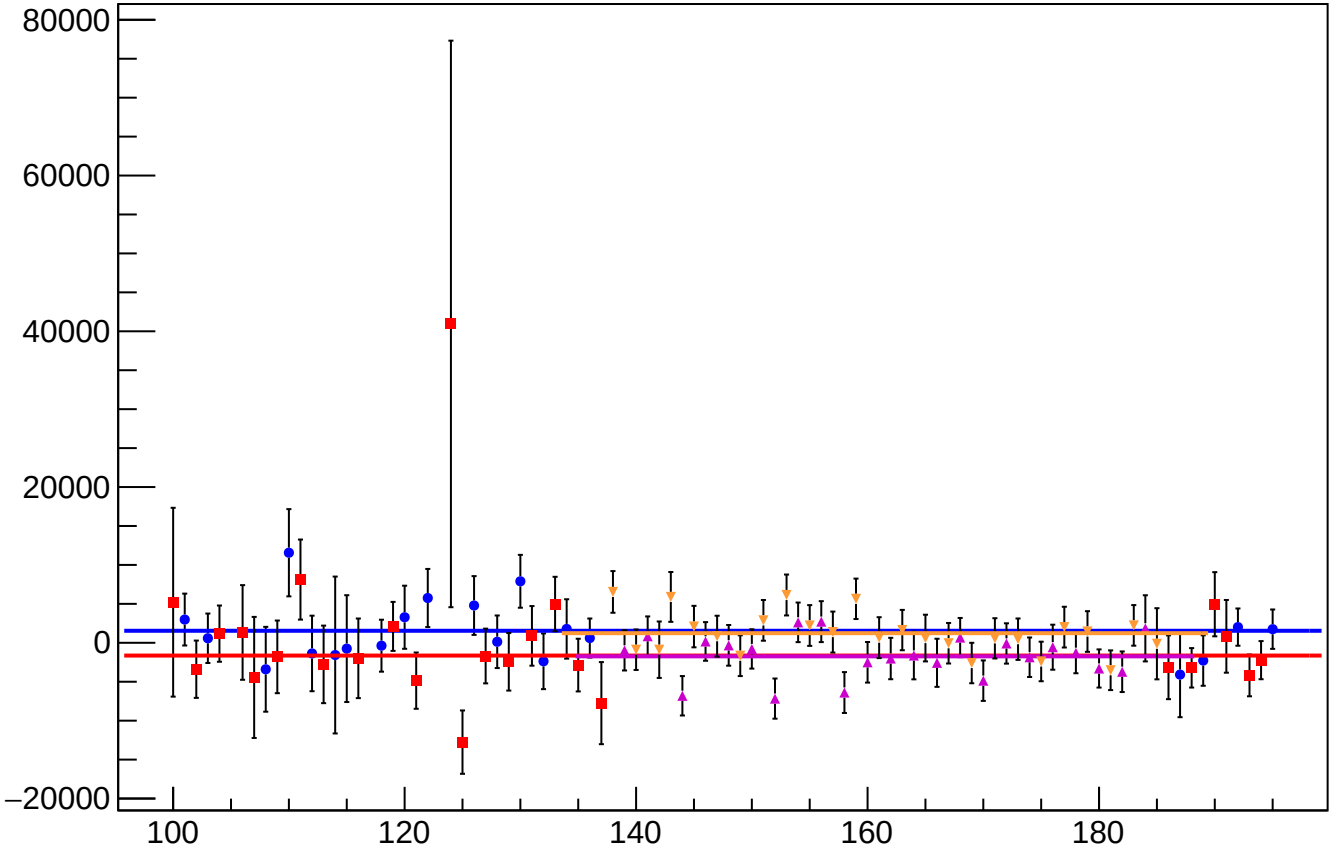
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.202+/-0.098 χ^2/NDF: 6611127.4/44

All: 696.399+/-0.070 χ^2/NDF: 14668074.4/92

- sign 694.564+/-0.099 χ^2/NDF: 8056267.8/47

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: -1640.439+/-777.143 χ^2/NDF: 26.1/24

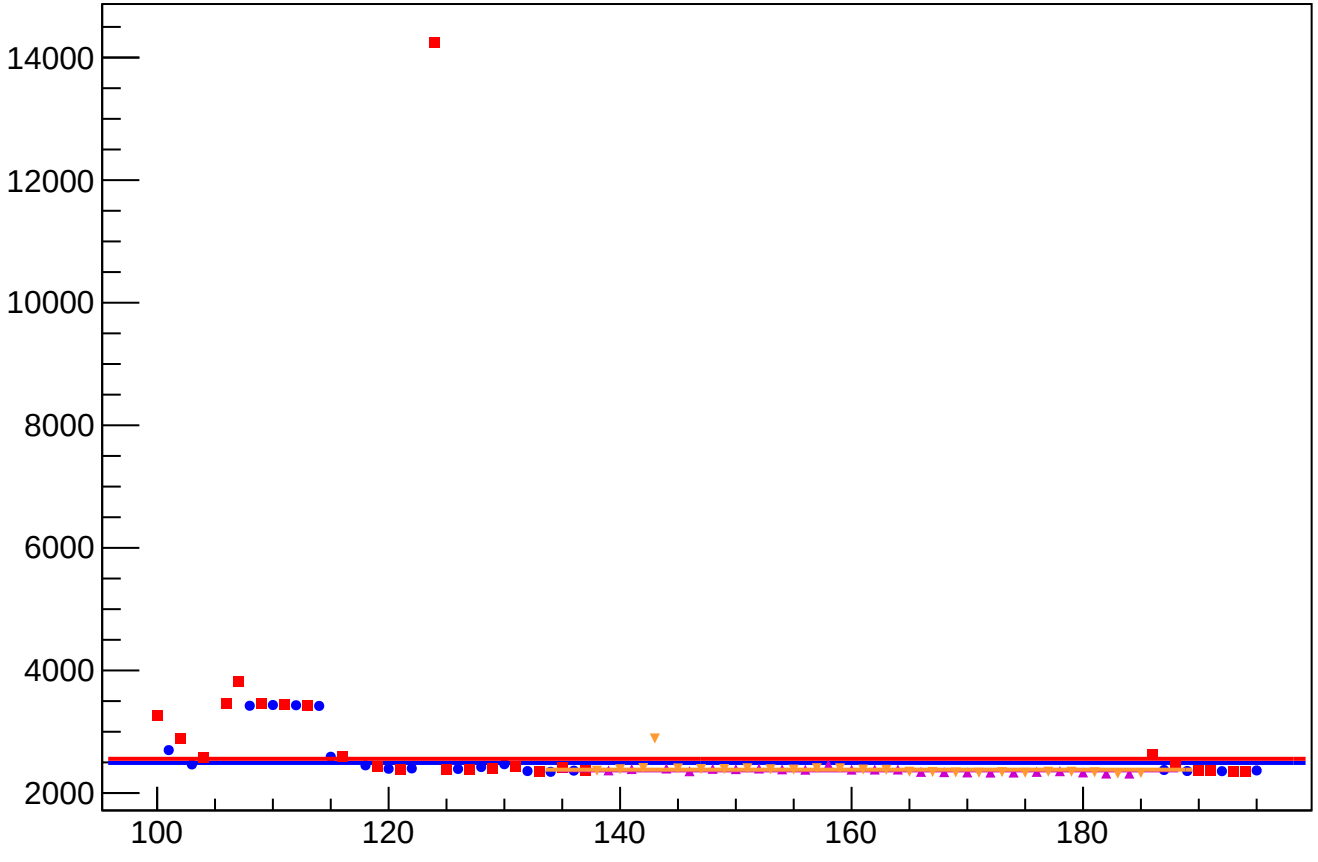
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1331.393+/-448.325 χ^2/NDF: 38.9/44

All: -180.098+/-317.853 χ^2/NDF: 112.2/92

- sign -1707.697+/-450.708 χ^2/NDF: 50.5/47

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: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

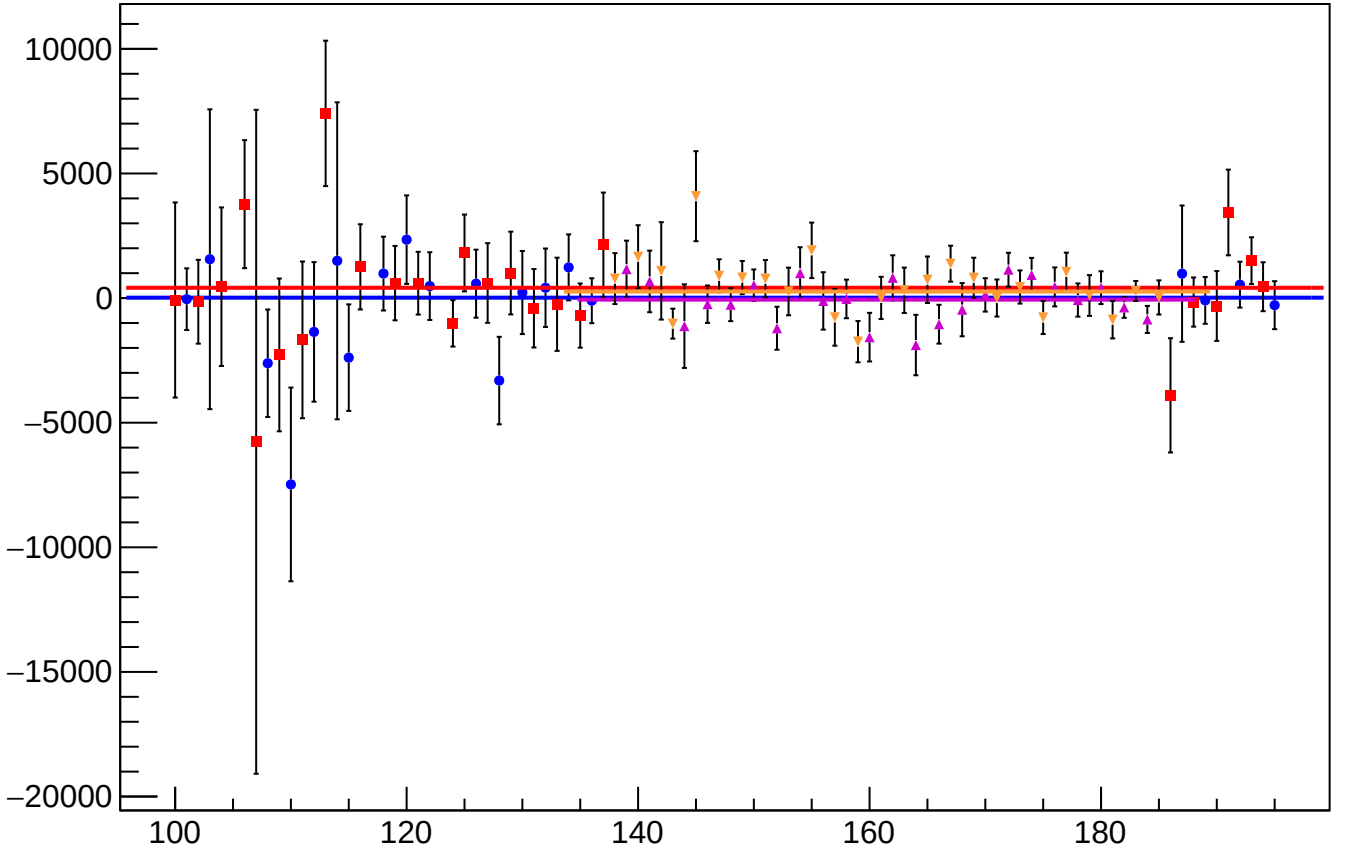
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2415.675+/-0.317 χ^2/NDF: 330479.5/44

All: 2424.304+/-0.225 χ^2/NDF: 1008971.2/92

- sign 2433.024+/-0.319 χ^2/NDF: 677002.2/47

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: 414.051+/-308.462 χ^2/NDF: 23.0/24

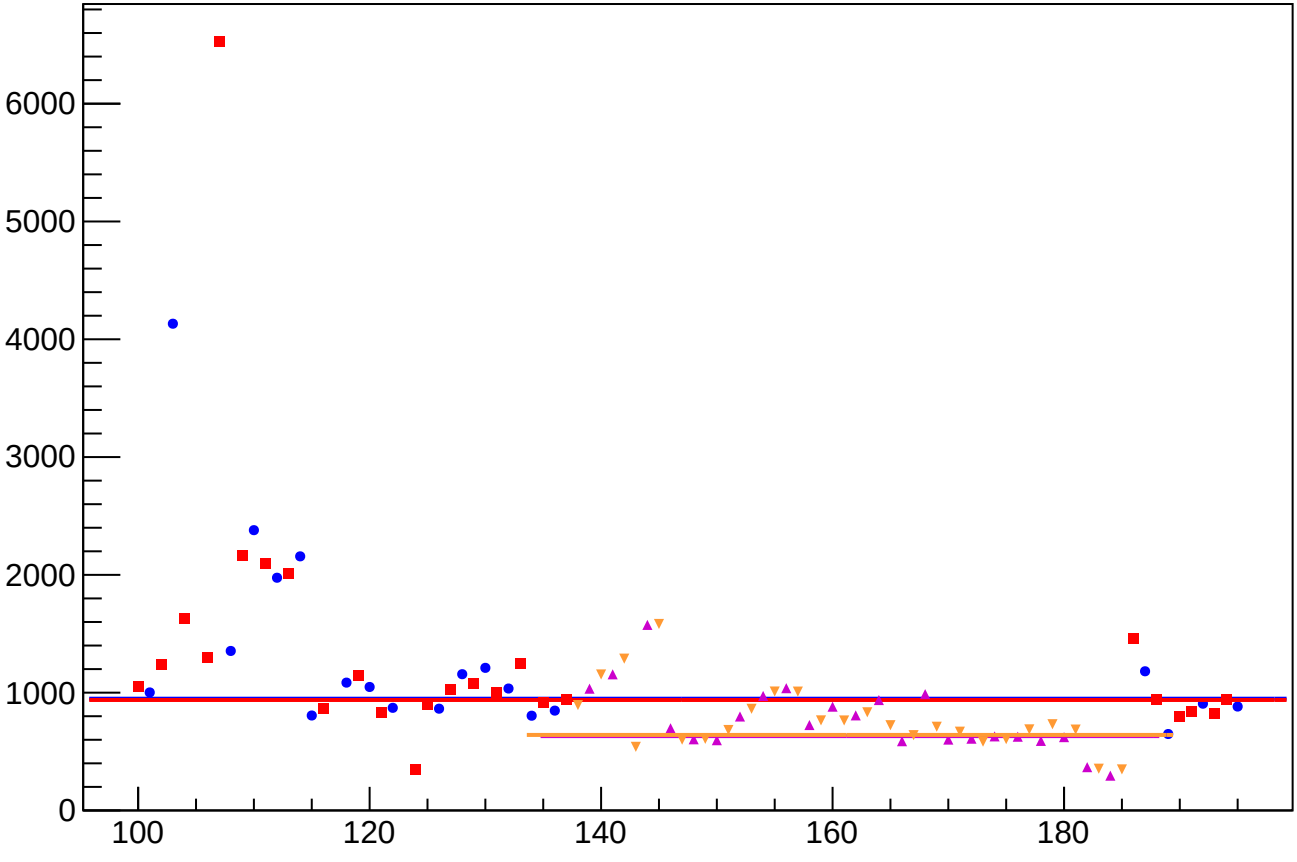
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 216.694+/-138.994 χ^2/NDF: 45.9/44

All: 127.303+/-98.706 χ^2/NDF: 93.7/92

- sign 36.358+/-140.197 χ^2/NDF: 46.9/47

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: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

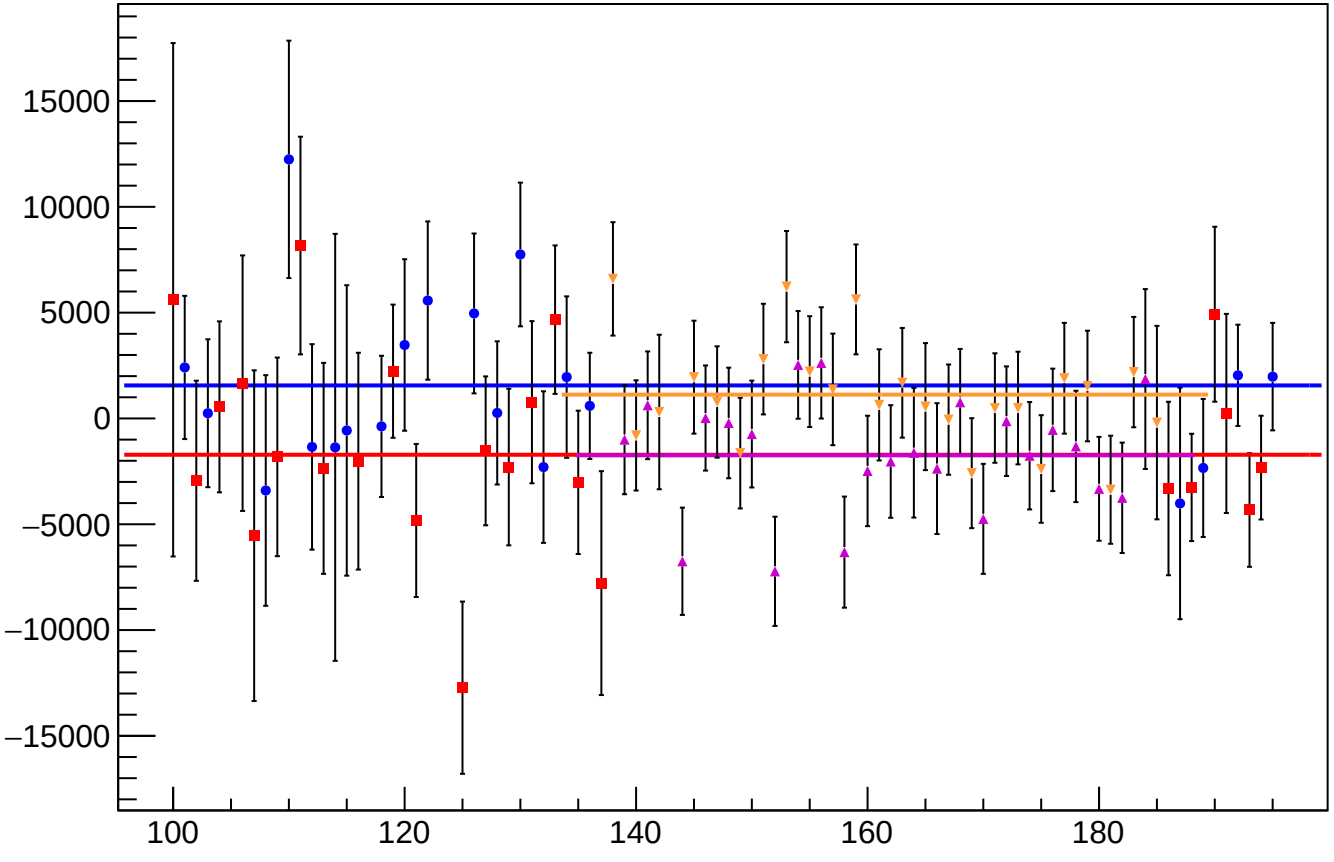
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.202+/-0.098 χ^2/NDF: 6611127.4/44

All: 696.399+/-0.070 χ^2/NDF: 14668074.4/92

- sign 694.564+/-0.099 χ^2/NDF: 8056267.8/47

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: -1715.353+/-789.117 χ^2/NDF: 24.1/23

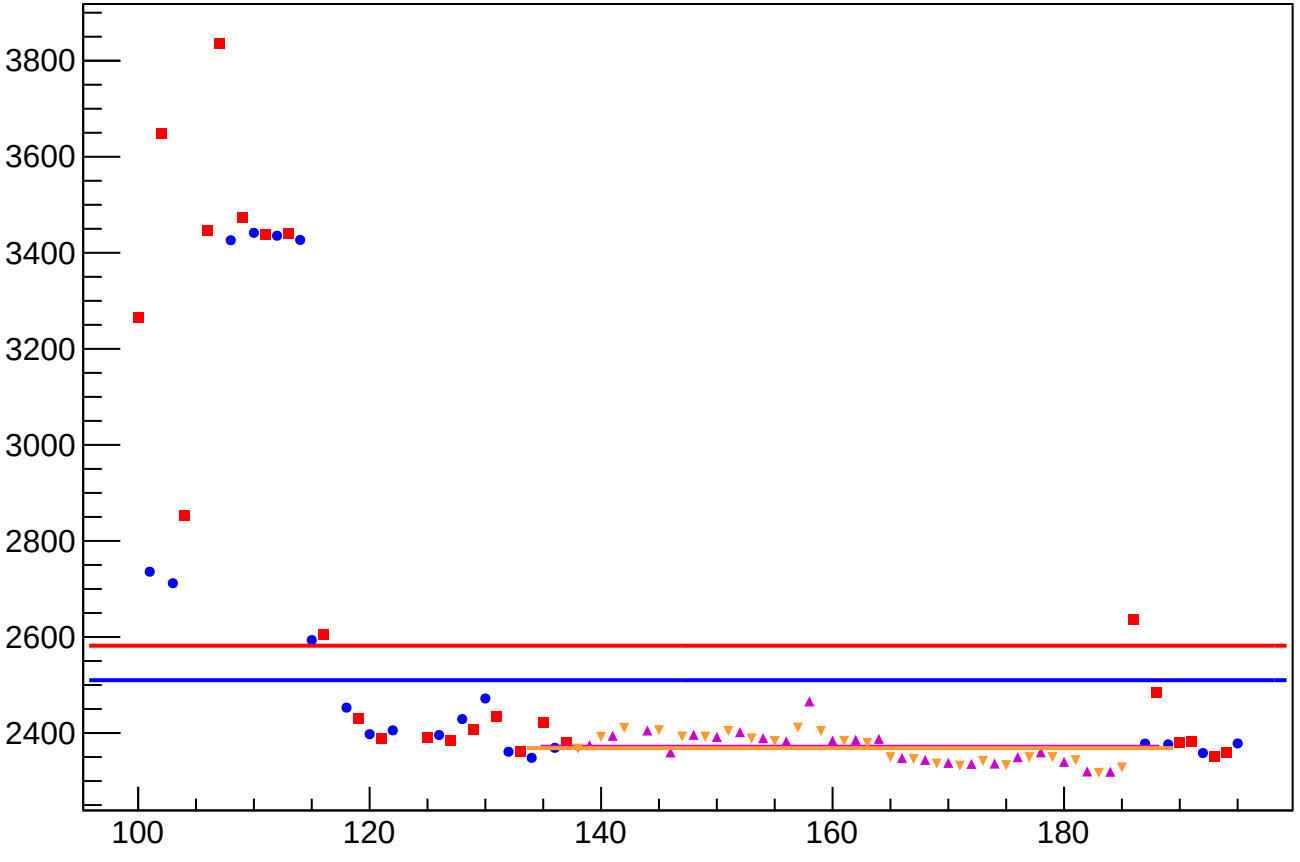
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1263.651+/-454.322 χ^2/NDF: 36.4/43

All: -238.310+/-320.886 χ^2/NDF: 106.2/90

- sign -1733.412+/-453.283 χ^2/NDF: 47.9/46

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: 2581.892+/-0.558 χ^2/NDF: 483452.7/23

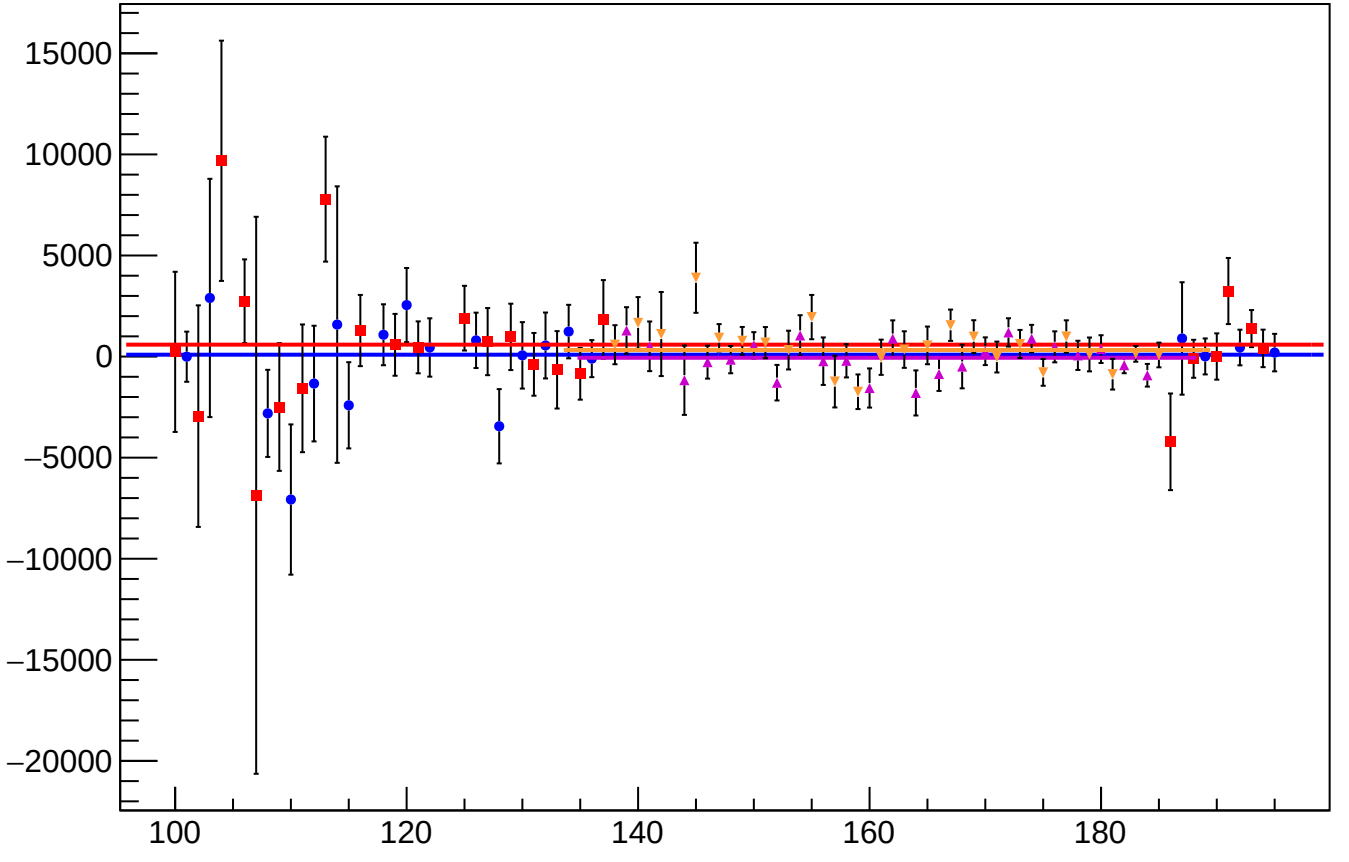
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.430+/-0.321 χ^2/NDF: 302514.7/43

All: 2427.212+/-0.227 χ^2/NDF: 891936.6/90

- sign 2440.932+/-0.321 χ^2/NDF: 585749.1/46

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: 589.574+/-324.248 χ^2/NDF: 22.7/23

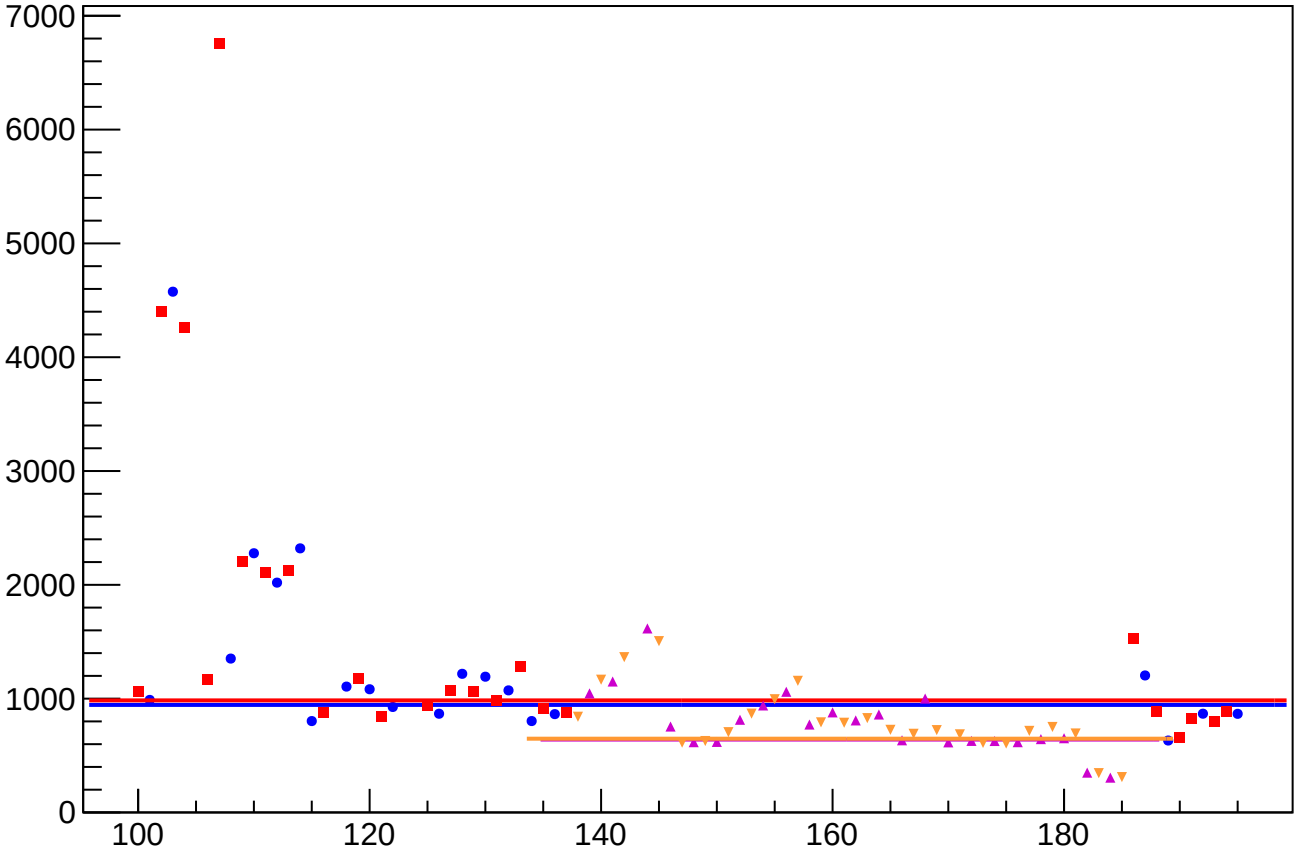
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 279.385+/-143.197 χ^2/NDF: 42.0/43

All: 173.267+/-101.272 χ^2/NDF: 91.8/90

\- sign 67.079+/-143.244 χ^2/NDF: 48.6/46

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

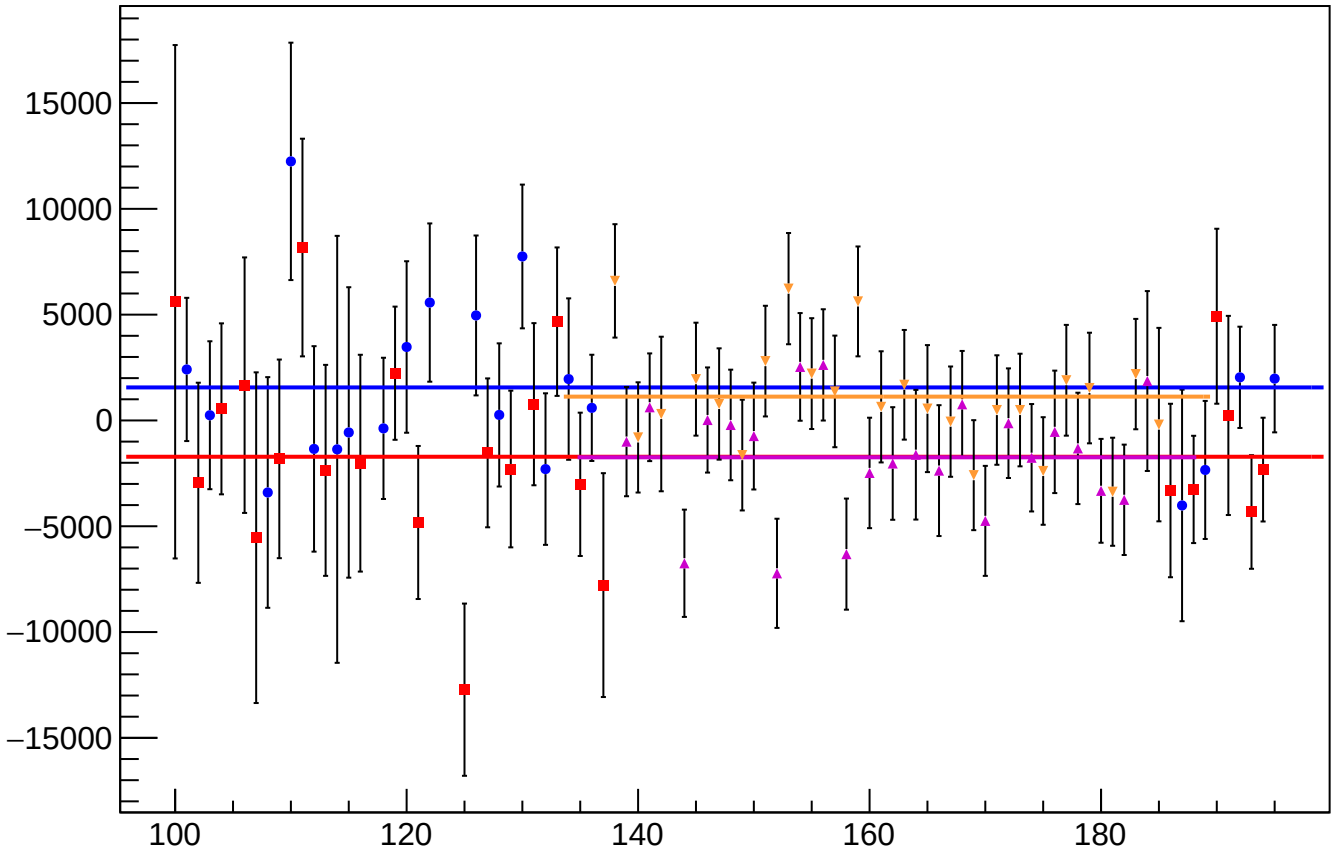
Right Out: 984.670+/-0.229 χ^2/NDF: 3124026.5/23

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 707.302+/-0.101 χ^2/NDF: 7196958.1/43

All: 707.454+/-0.072 χ^2/NDF: 16264115.1/90

- sign 707.606+/-0.101 χ^2/NDF: 9067152.5/46



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: -1715.351+/-789.117 χ^2/NDF: 24.1/23

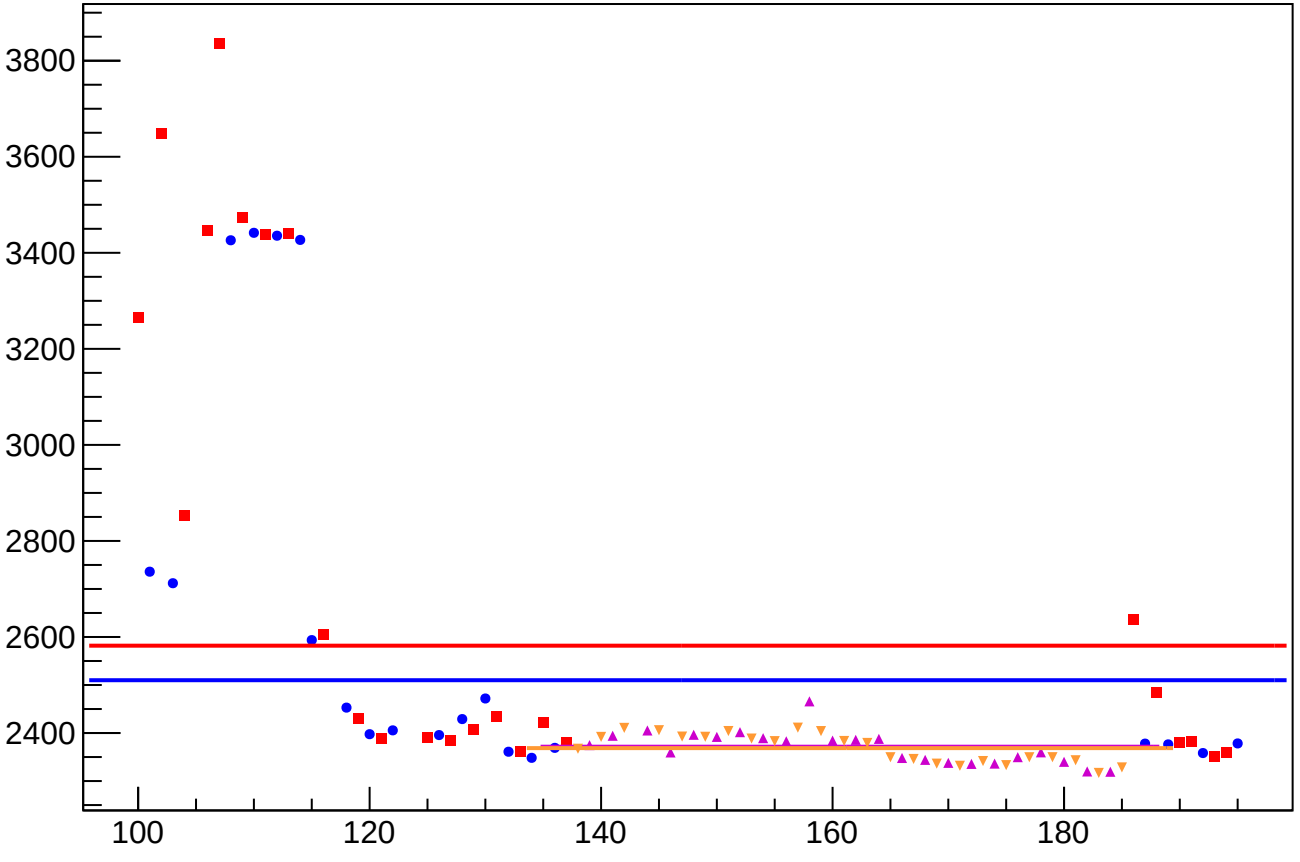
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1263.651+/-454.322 χ^2/NDF: 36.4/43

All: -238.310+/-320.886 χ^2/NDF: 106.2/90

- sign -1733.411+/-453.283 χ^2/NDF: 47.9/46

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: 2581.891+/-0.558 χ^2/NDF: 483451.9/23

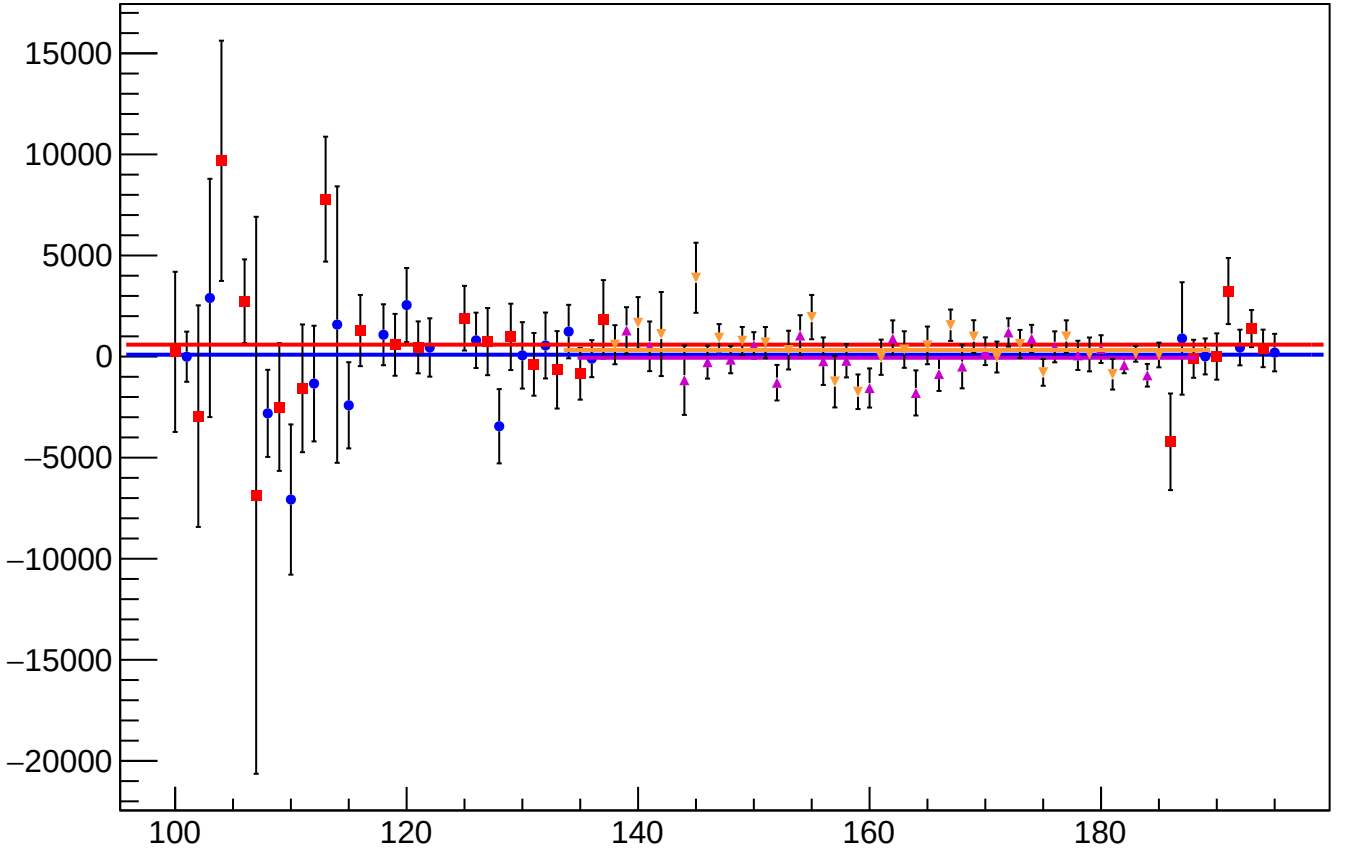
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.430+/-0.321 χ^2/NDF: 302514.2/43

All: 2427.212+/-0.227 χ^2/NDF: 891935.2/90

- sign 2440.932+/-0.321 χ^2/NDF: 585748.1/46

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: 589.574+/-324.248 χ^2/NDF: 22.7/23

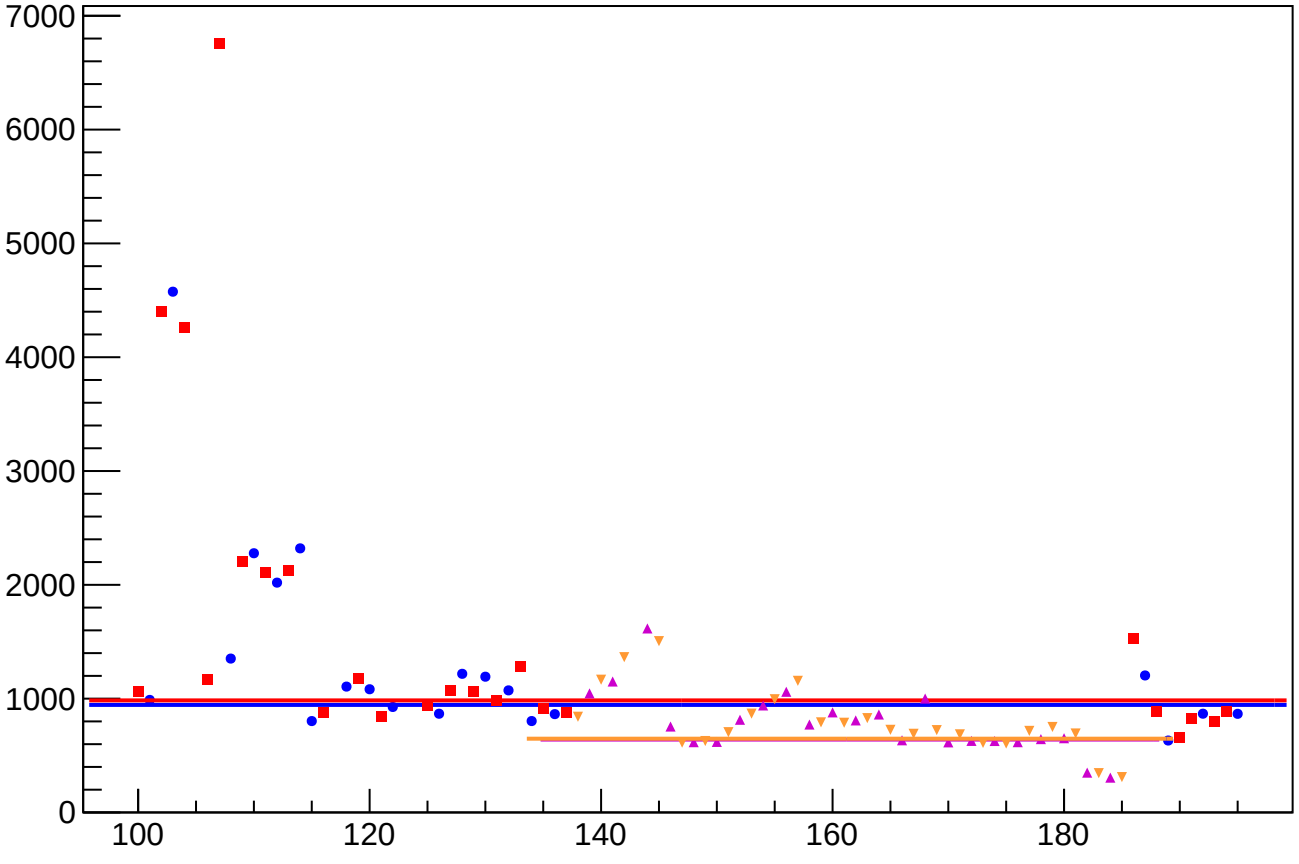
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 279.384+/-143.197 χ^2/NDF: 42.0/43

All: 173.267+/-101.272 χ^2/NDF: 91.8/90

- sign 67.079+/-143.244 χ^2/NDF: 48.6/46

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: 984.669+/-0.229 χ^2/NDF: 3124026.7/23

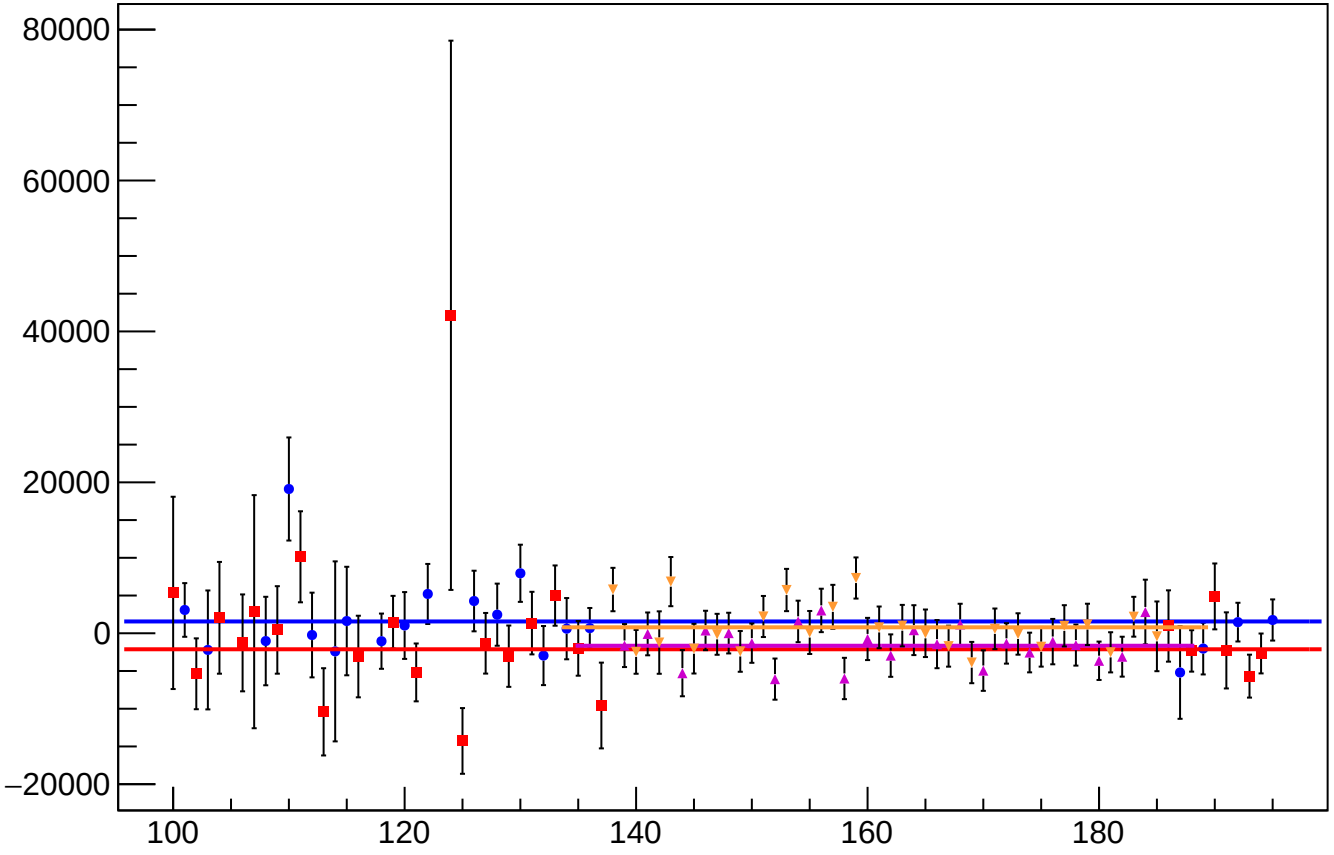
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 707.303+/-0.101 χ^2/NDF: 7196955.6/43

All: 707.455+/-0.072 χ^2/NDF: 16264114.3/90

- sign 707.607+/-0.101 χ^2/NDF: 9067154.2/46

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: -2121.848+/-873.765 χ^2/NDF: 28.9/24

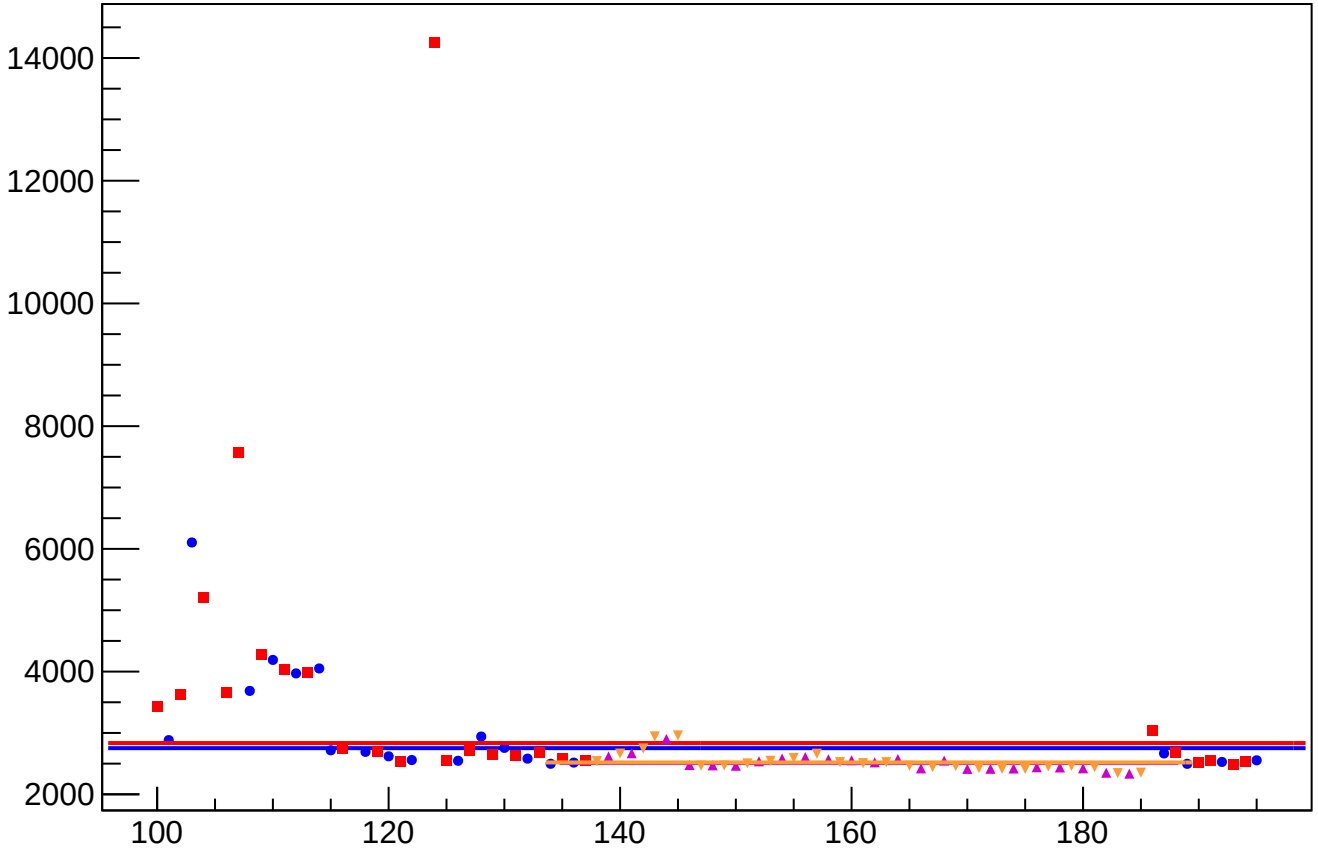
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1016.564+/-482.754 χ^2/NDF: 43.6/44

All: -378.956+/-342.892 χ^2/NDF: 106.9/92

- sign -1799.840+/-487.122 χ^2/NDF: 46.5/47

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: 2835.922+/-0.618 χ^2/NDF: 1099548.1/24

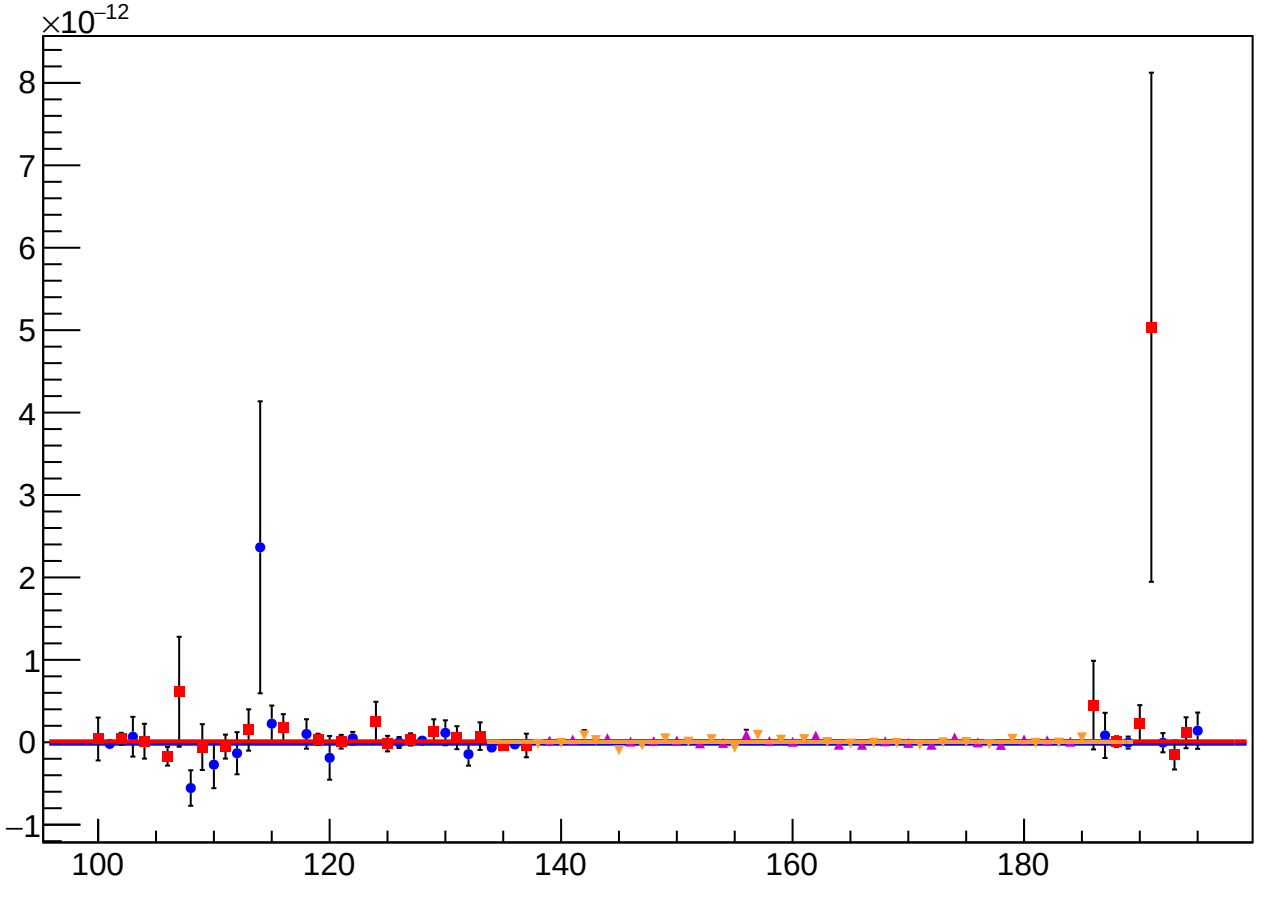
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2587.241+/-0.341 χ^2/NDF: 914276.8/44

All: 2599.214+/-0.242 χ^2/NDF: 2281679.1/92

- sign 2611.405+/-0.344 χ^2/NDF: 1364919.5/47

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: 13.7/24

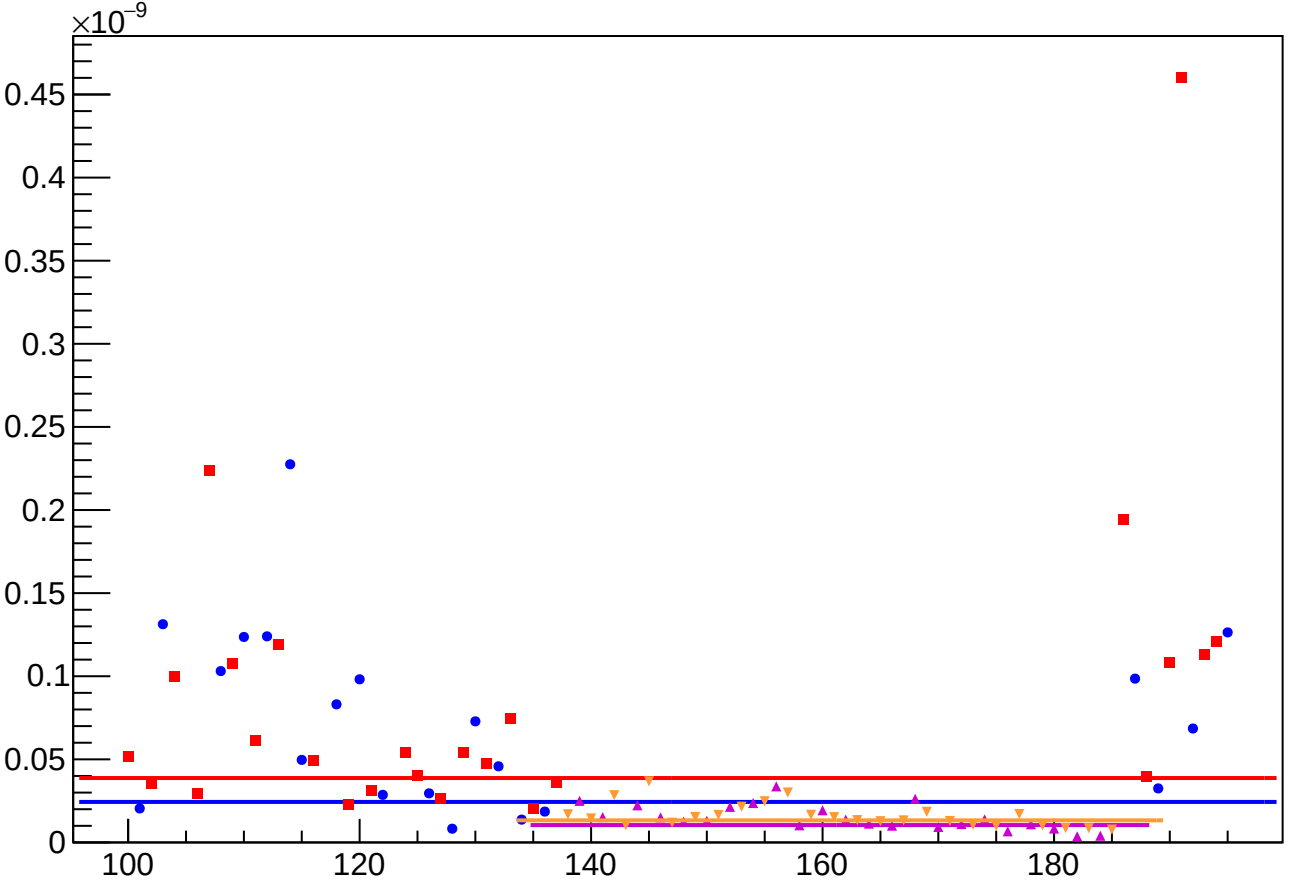
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/44

All: 0.000+/-0.000 χ^2/NDF: 95.1/92

- sign 0.000+/-0.000 χ^2/NDF: 46.0/47

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: 2427244.0/24

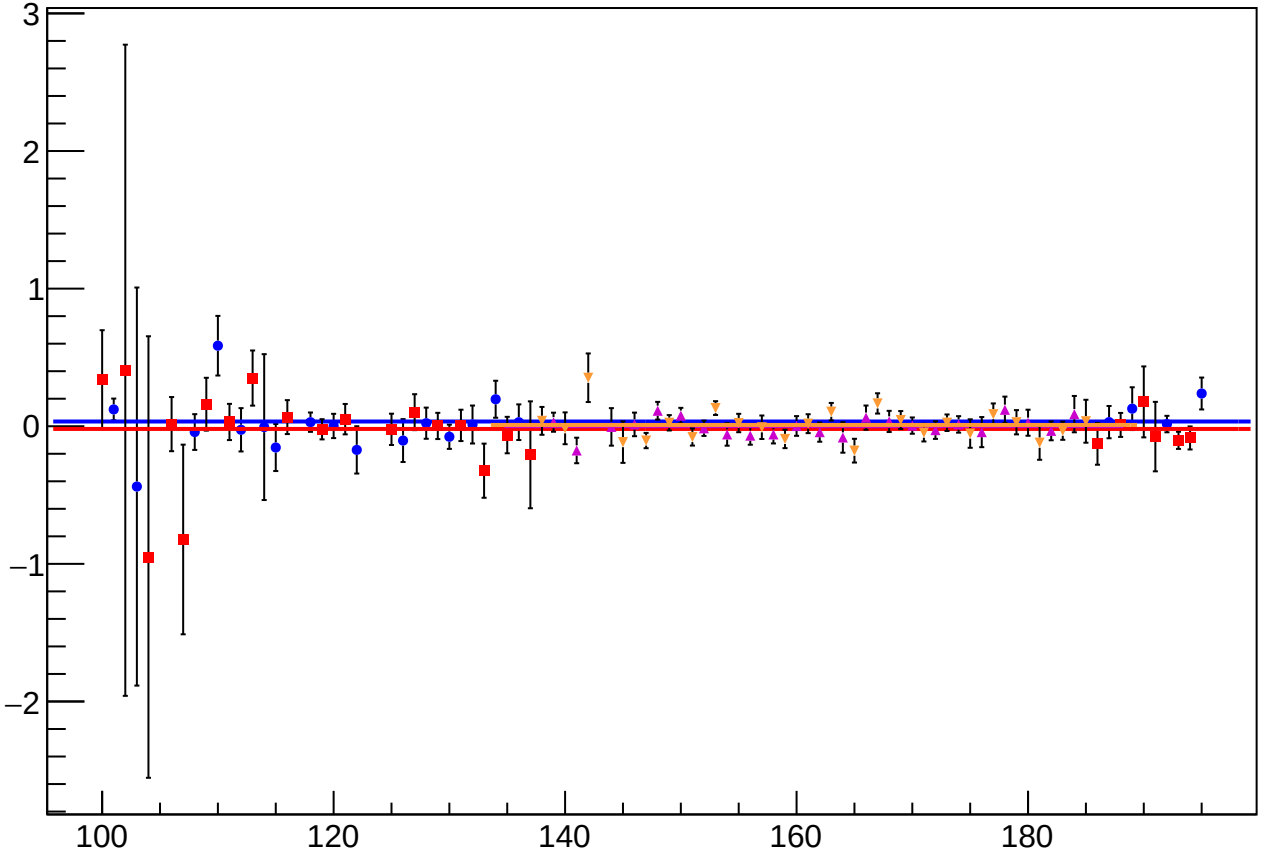
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5563185.8/44

All: 0.000+/-0.000 χ^2/NDF: 14163042.6/92

- sign 0.000+/-0.000 χ^2/NDF: 8309454.9/47

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: 15.4/23

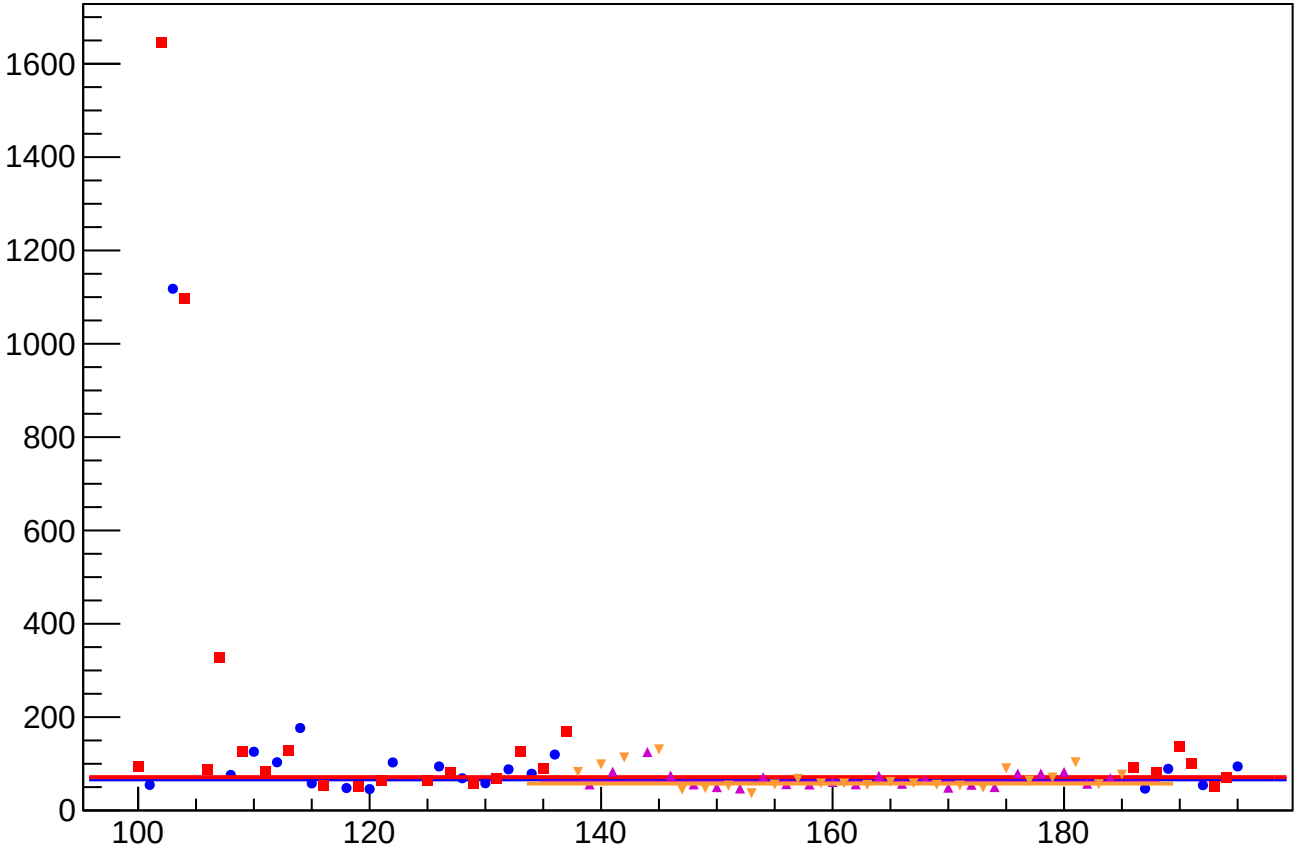
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.6/90

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

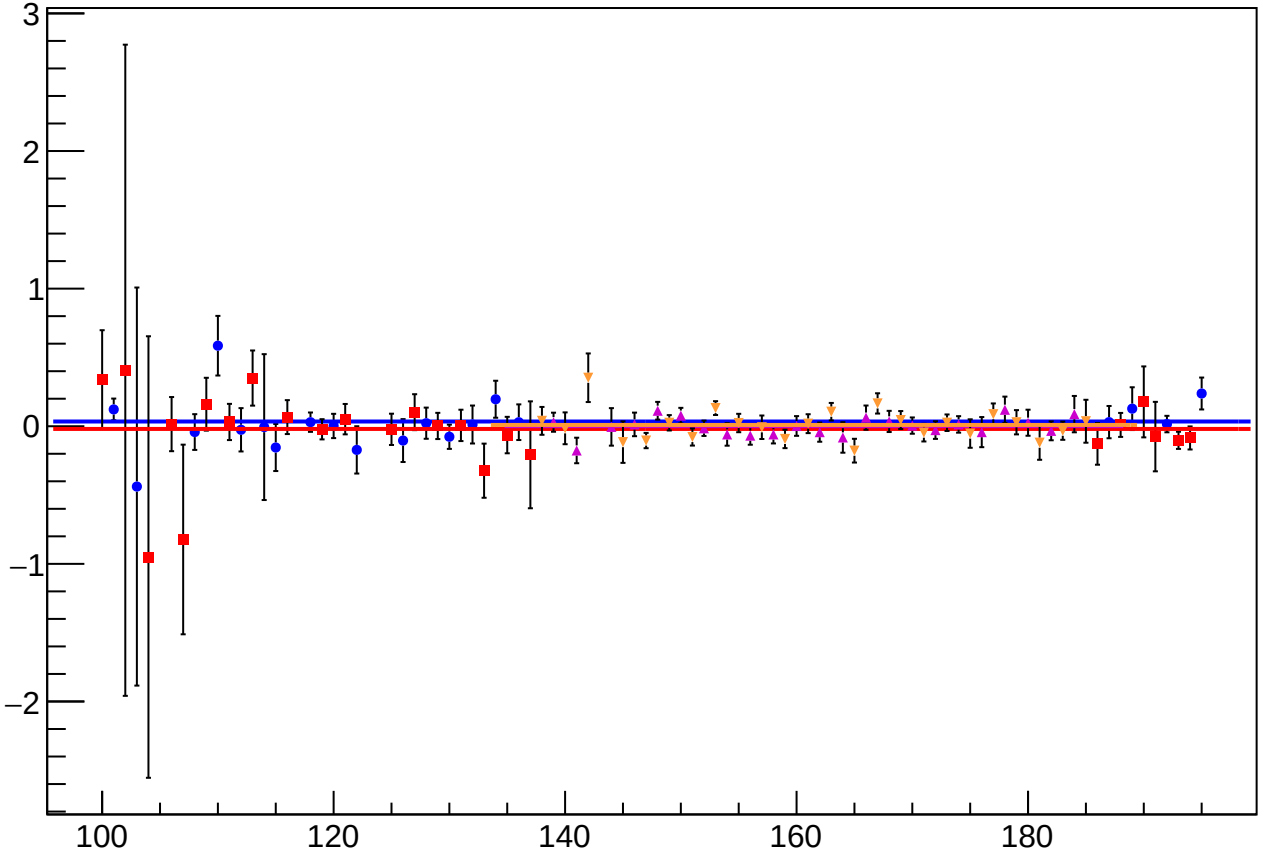
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988833.0/43

All: 61.398+/-0.007 χ^2/NDF: 10027050.2/90

- sign 62.875+/-0.009 χ^2/NDF: 4989972.4/46

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: 15.4/23

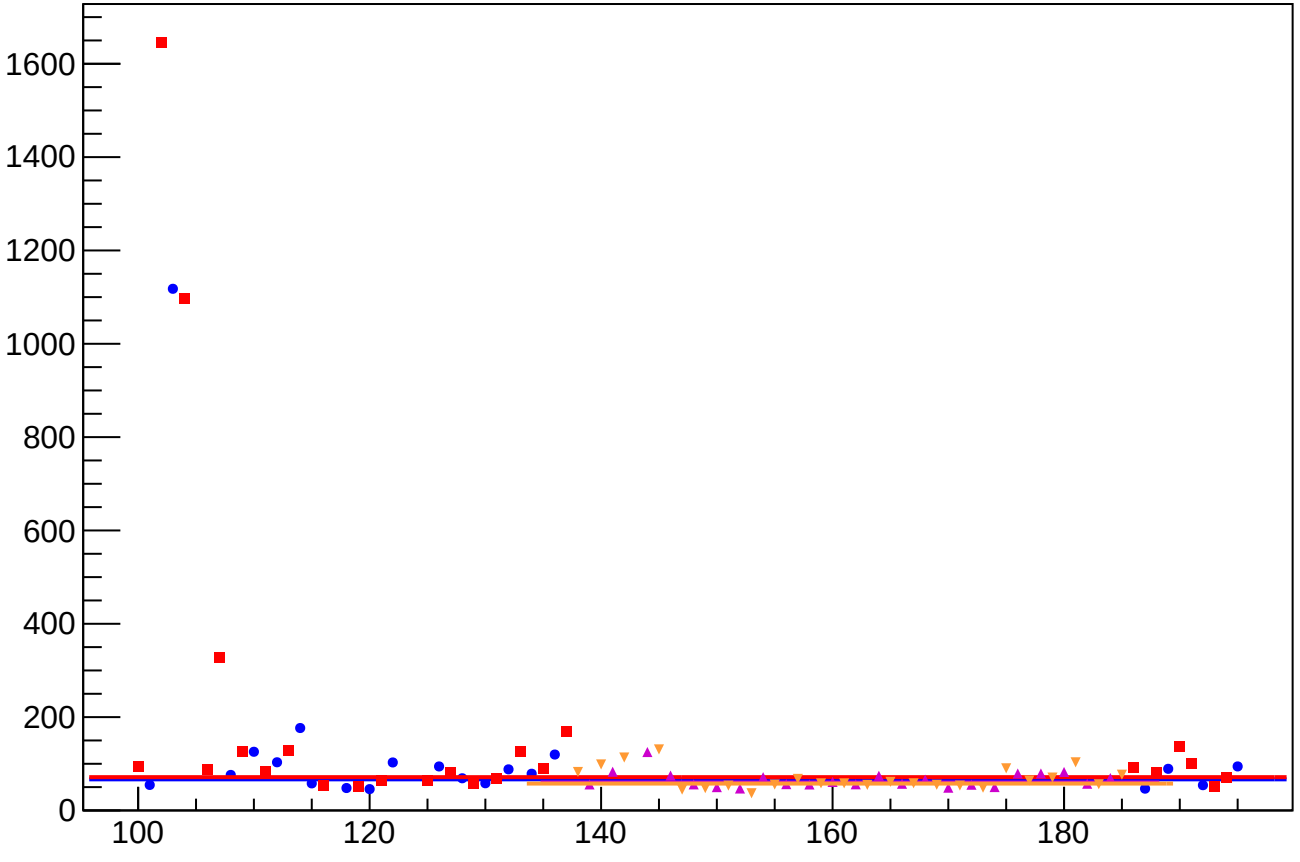
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.6/90

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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

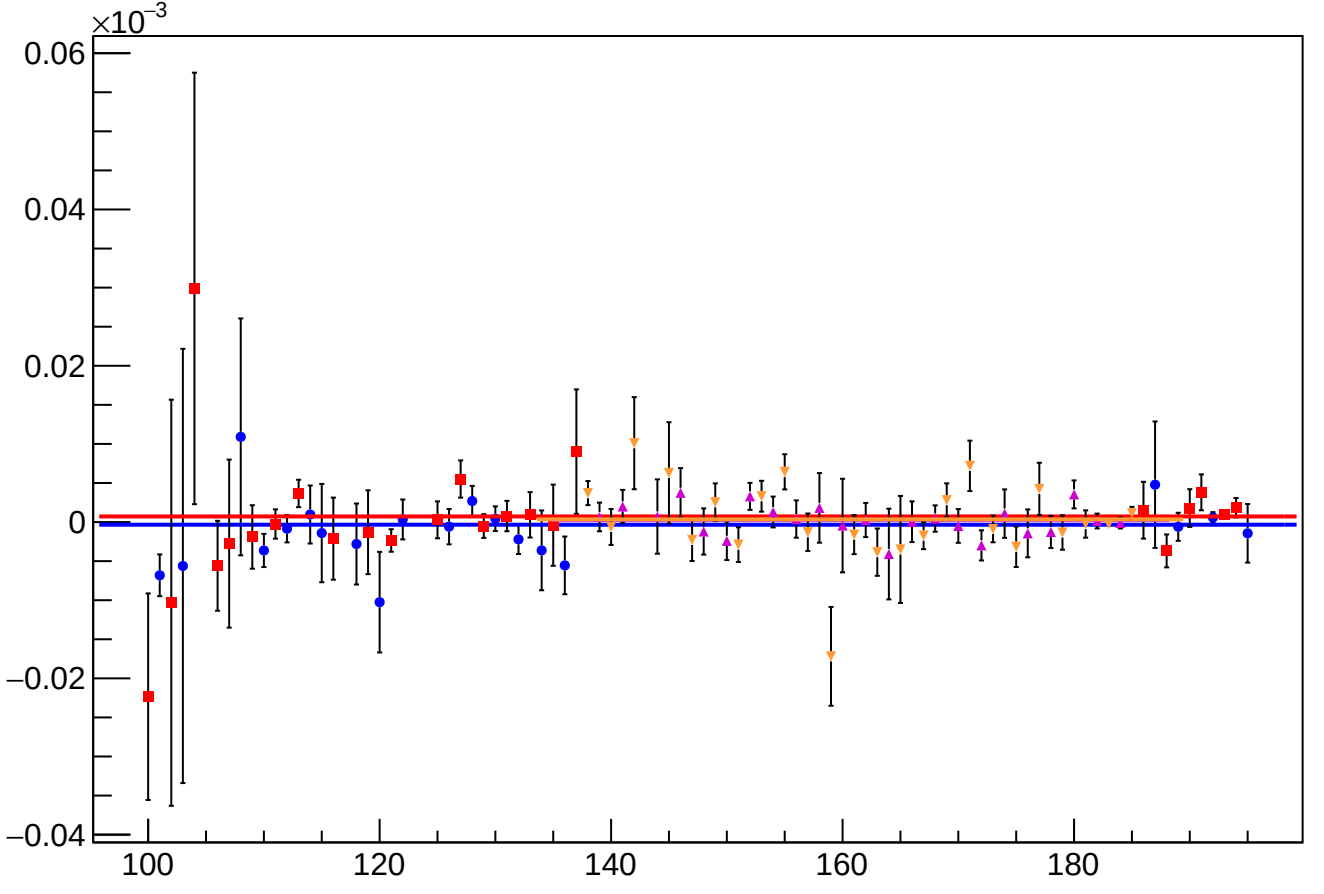
Right Out: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988833.0/43

All: 61.398+/-0.007 χ^2/NDF: 10027050.2/90

- sign 62.875+/-0.009 χ^2/NDF: 4989972.4/46



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: 27.4/23

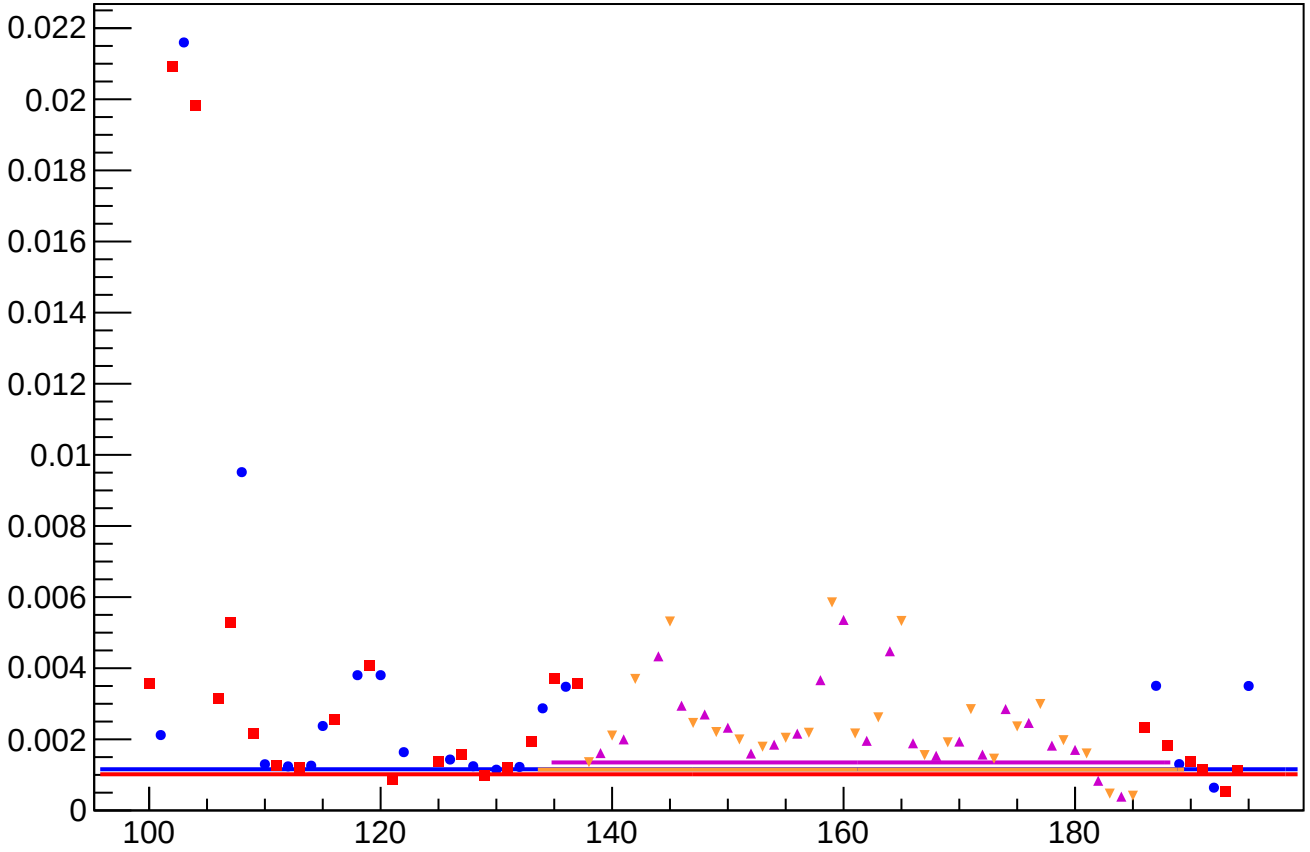
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/43

All: 0.000+/-0.000 χ^2/NDF: 112.4/90

- sign 0.000+/-0.000 χ^2/NDF: 42.9/46

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: 6886790.6/23

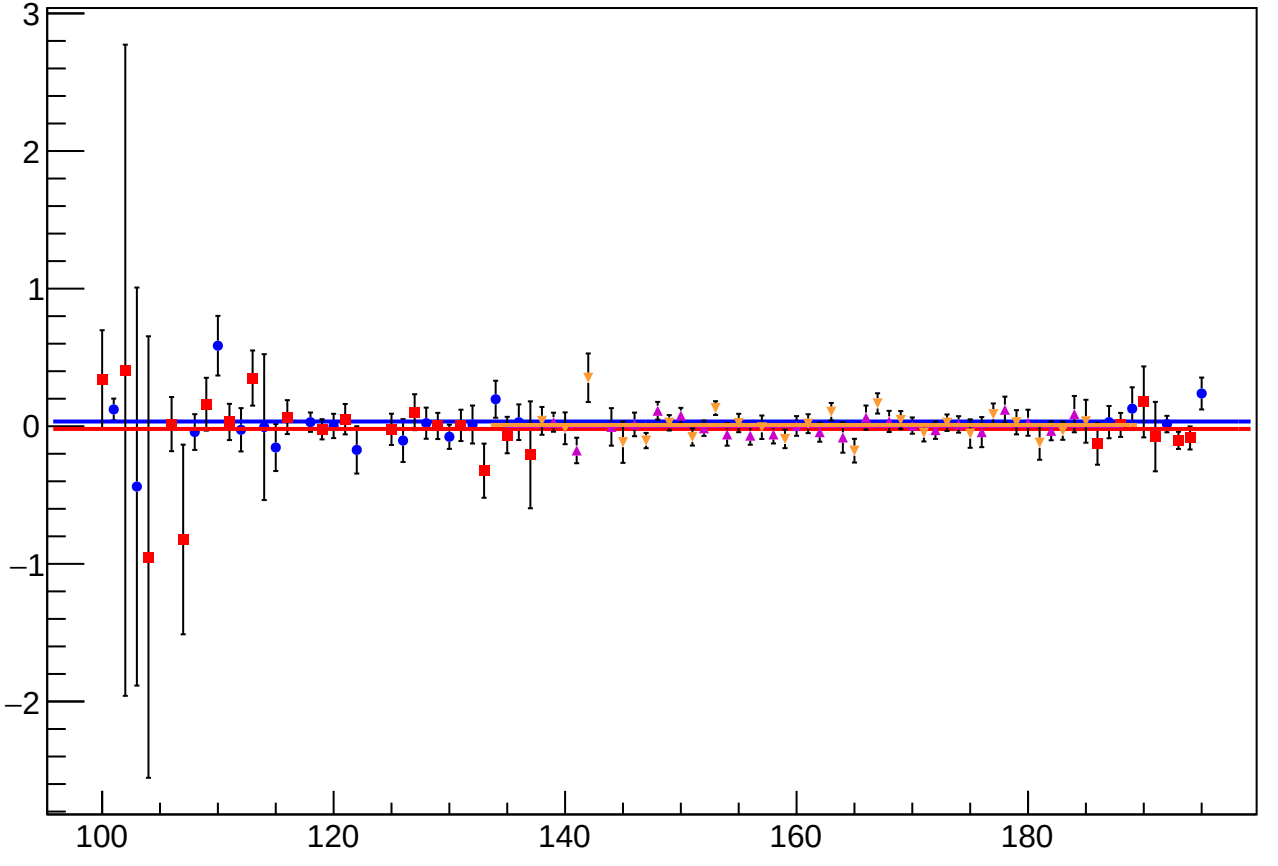
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19363464.1/43

All: 0.001+/-0.000 χ^2/NDF: 37256153.7/90

- sign 0.001+/-0.000 χ^2/NDF: 17877418.0/46

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: 15.4/23

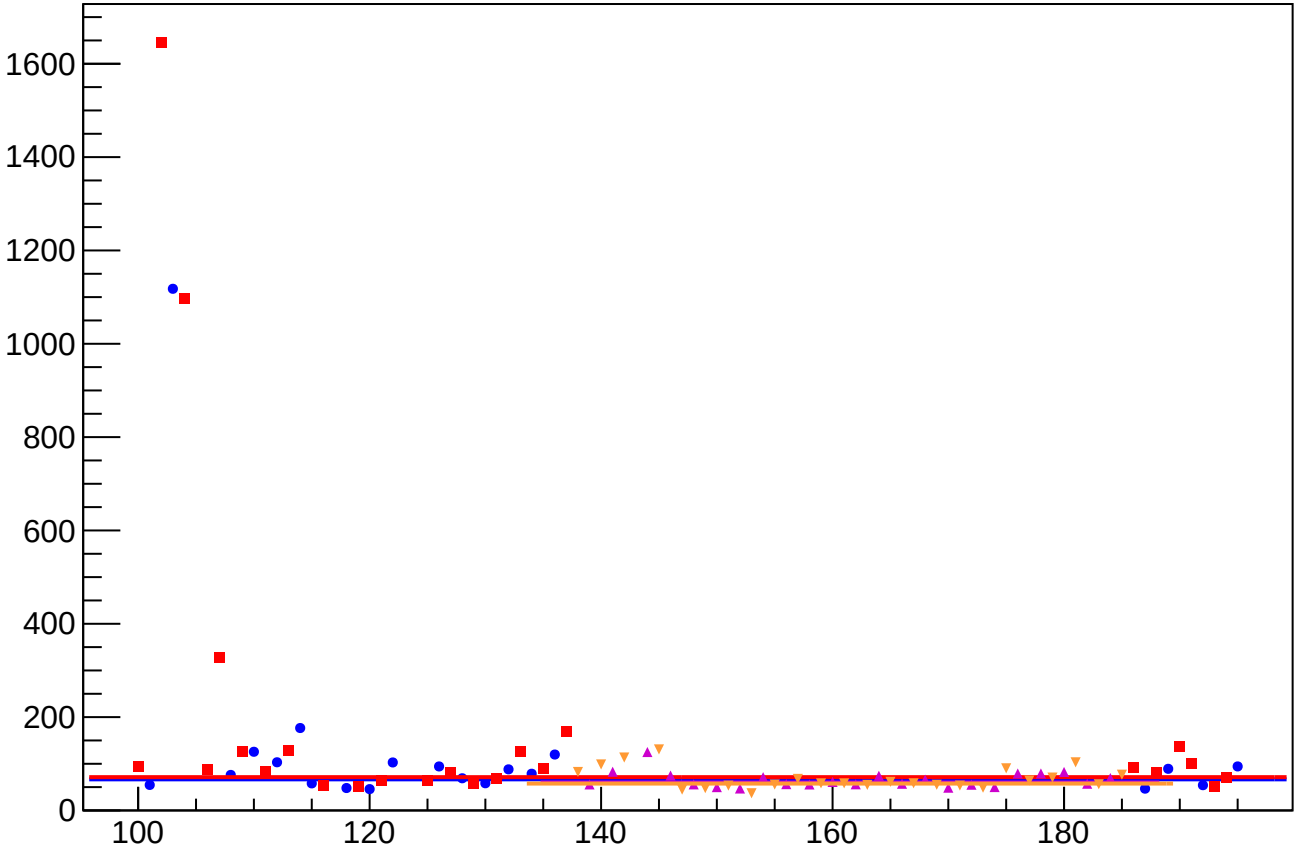
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.9/43

All: 0.006+/-0.009 χ^2/NDF: 86.6/90

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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

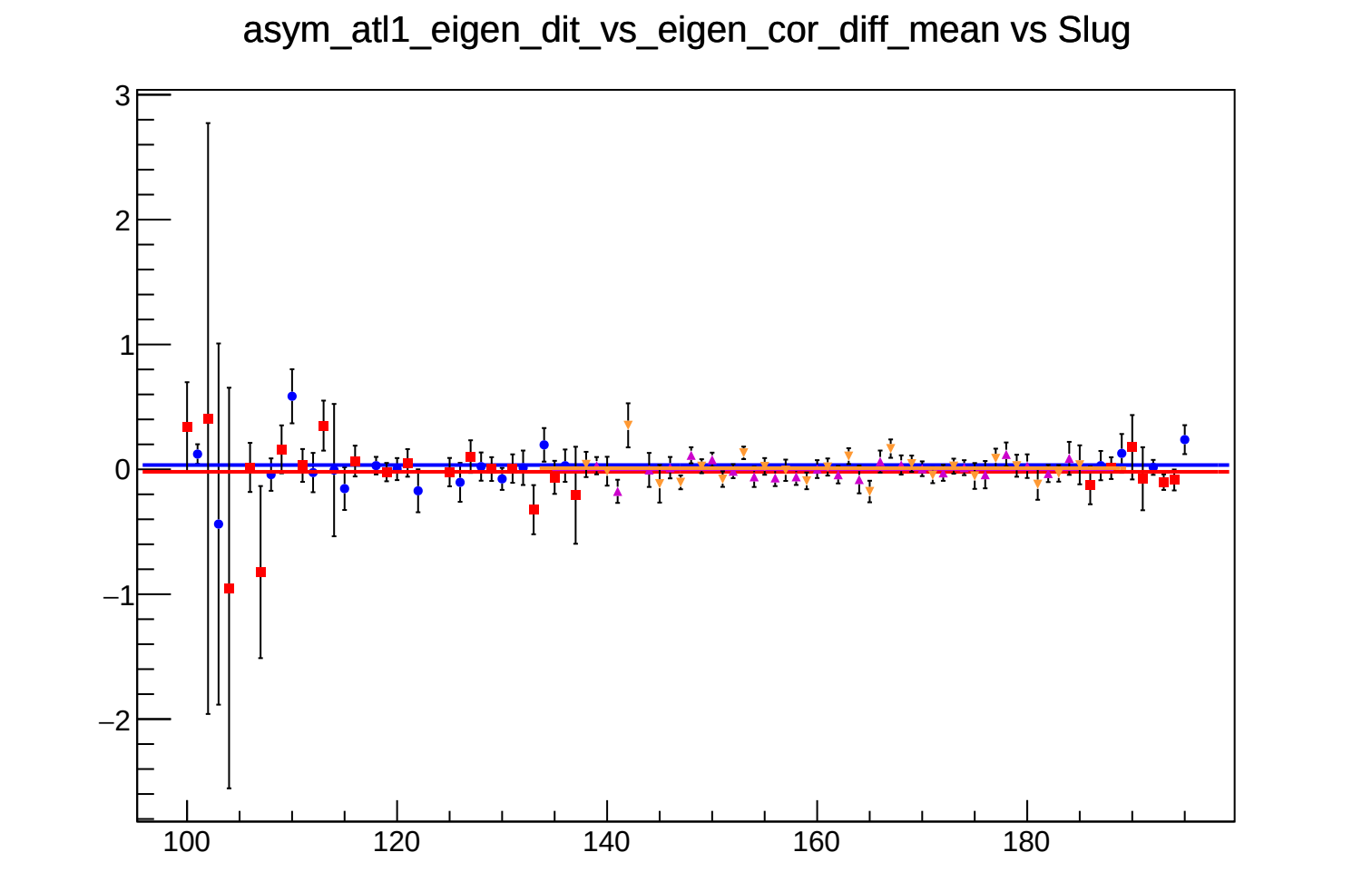
Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988981.0/43

All: 61.398+/-0.007 χ^2/NDF: 10027169.1/90

- sign 62.875+/-0.009 χ^2/NDF: 4989935.6/46



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

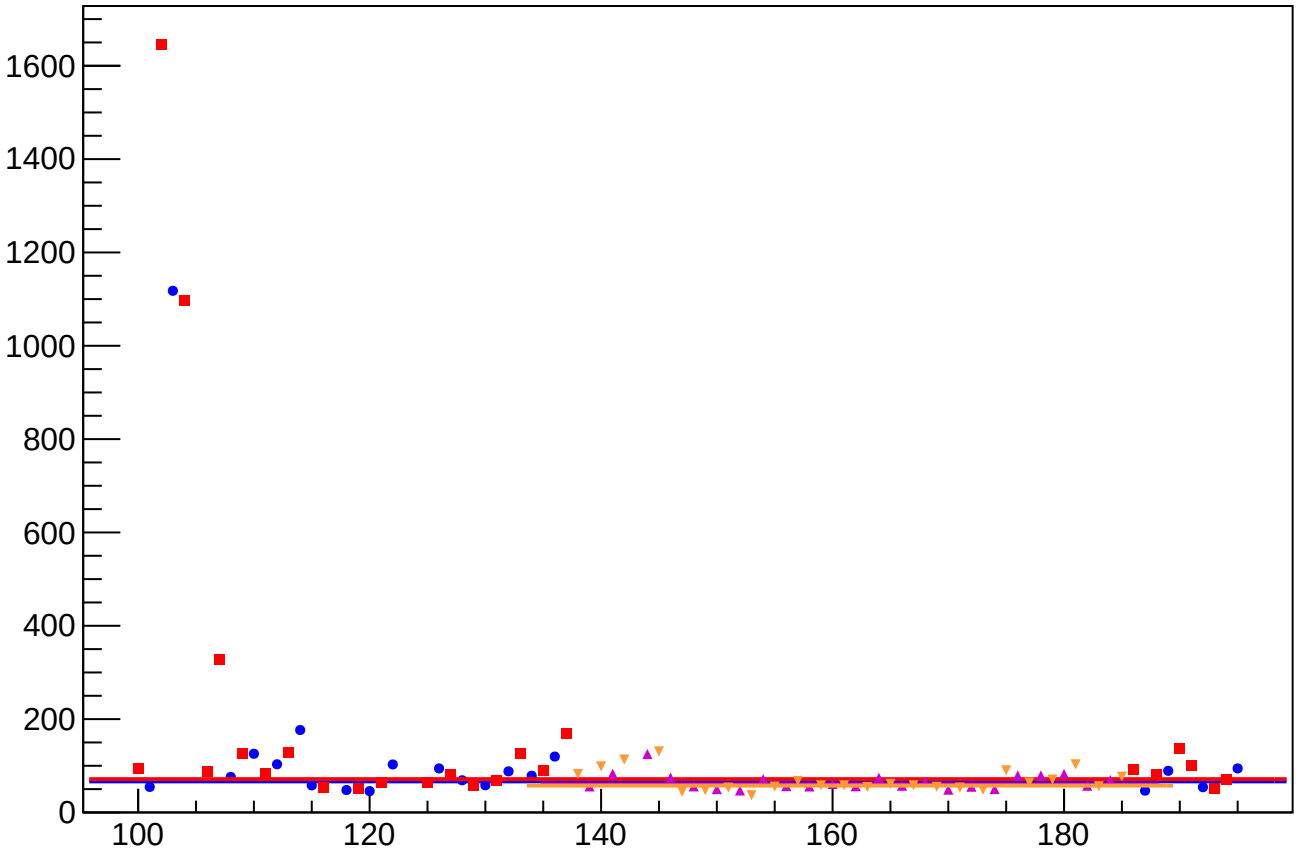
Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/23

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: 86.6/90

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46



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: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

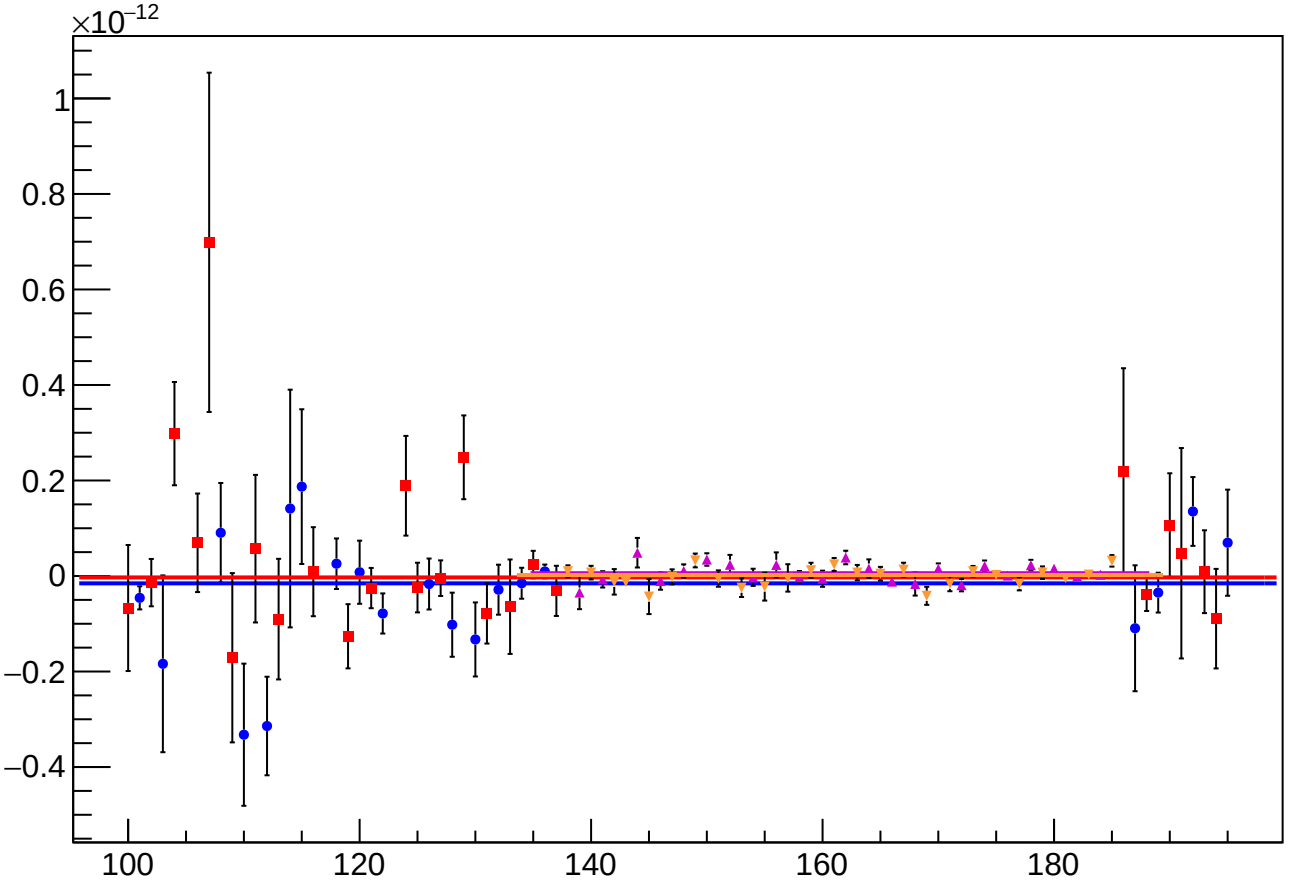
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.992+/-0.009 χ^2/NDF: 4988981.0/43

All: 61.398+/-0.007 χ^2/NDF: 10027169.1/90

- sign 62.875+/-0.009 χ^2/NDF: 4989935.6/46

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

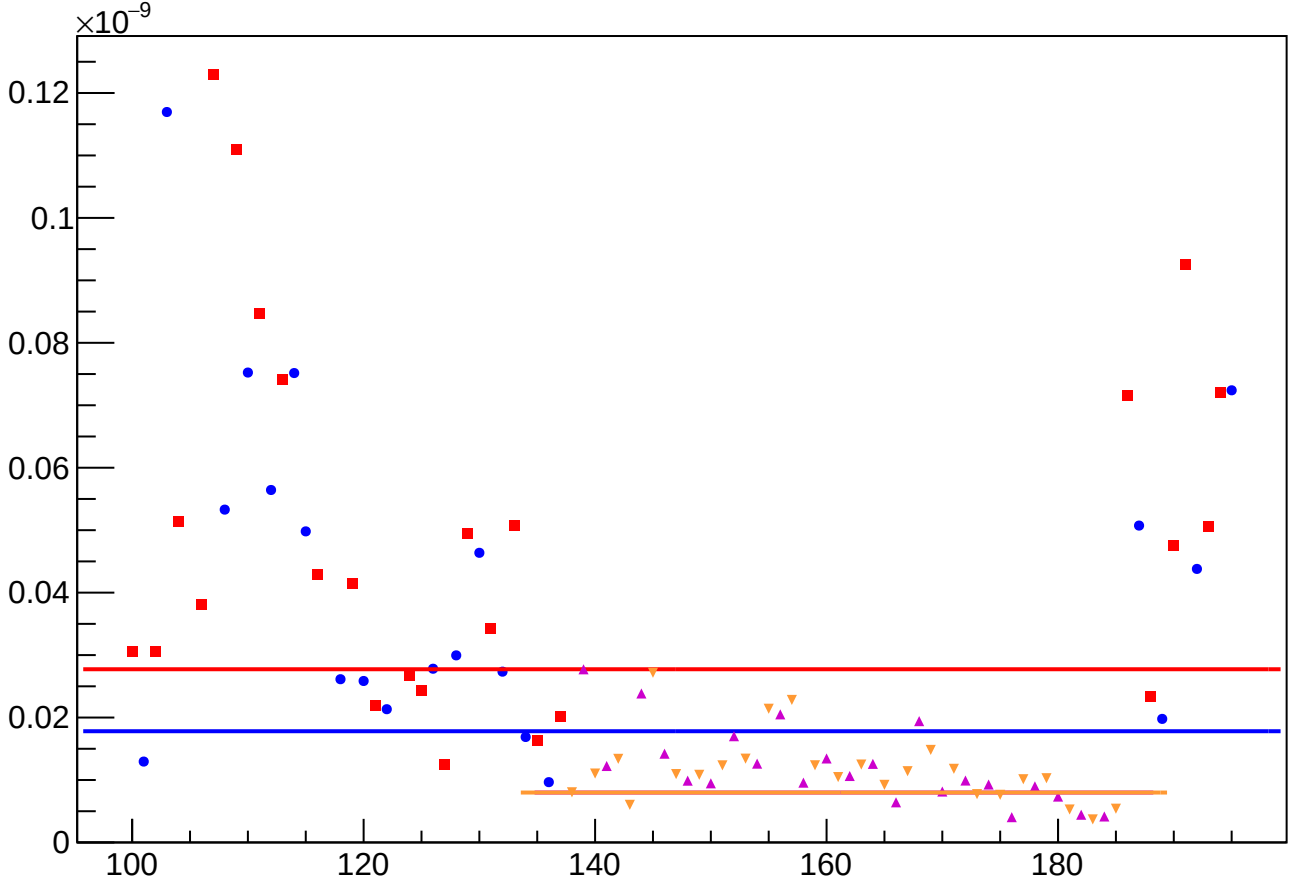
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/24

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: 140.1/92

- sign 0.000+/-0.000 χ^2/NDF: 69.3/47



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: 3225943.0/24

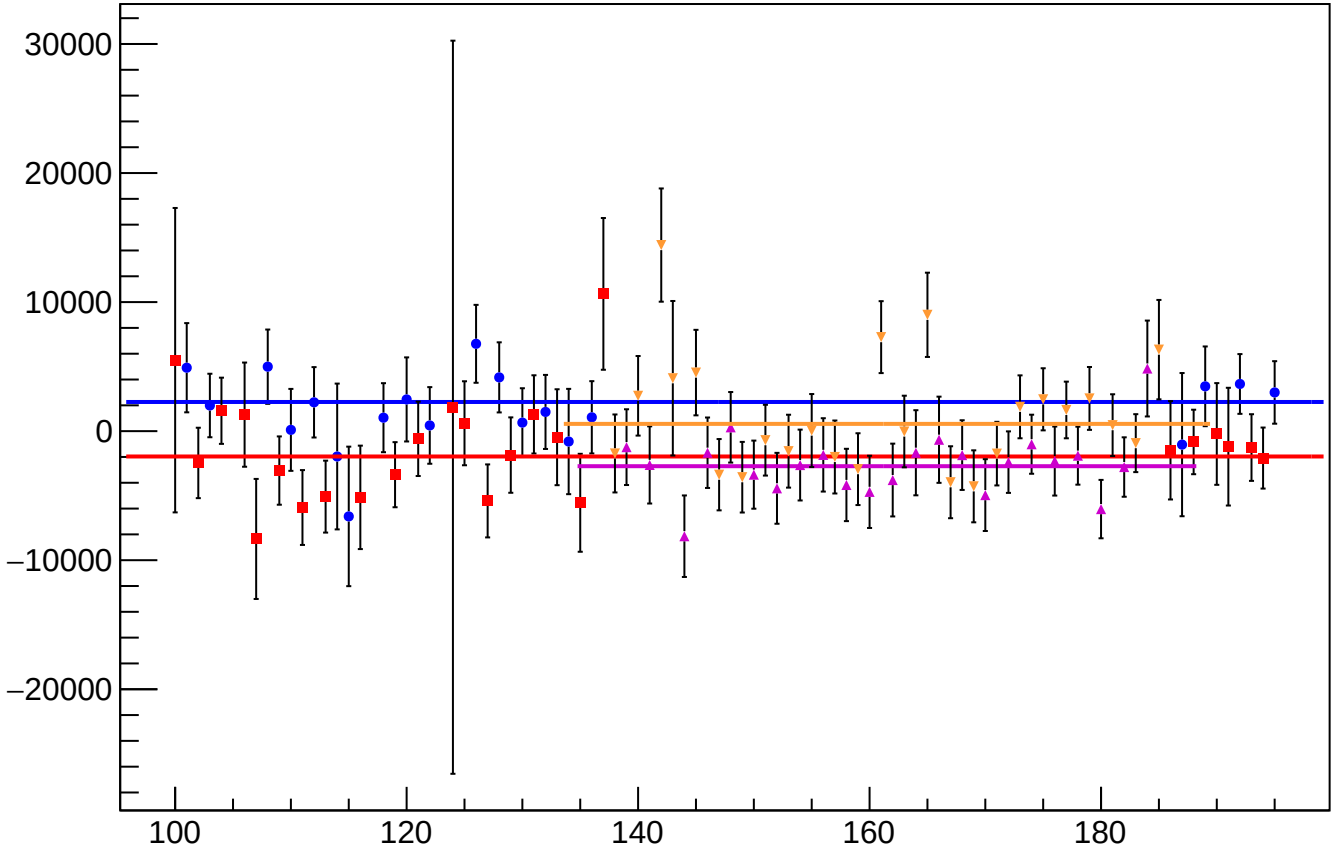
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10590955.6/44

All: 0.000+/-0.000 χ^2/NDF: 23592750.6/92

- sign 0.000+/-0.000 χ^2/NDF: 12998545.4/47

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: -1963.418+/-642.916 χ^2/NDF: 18.8/24

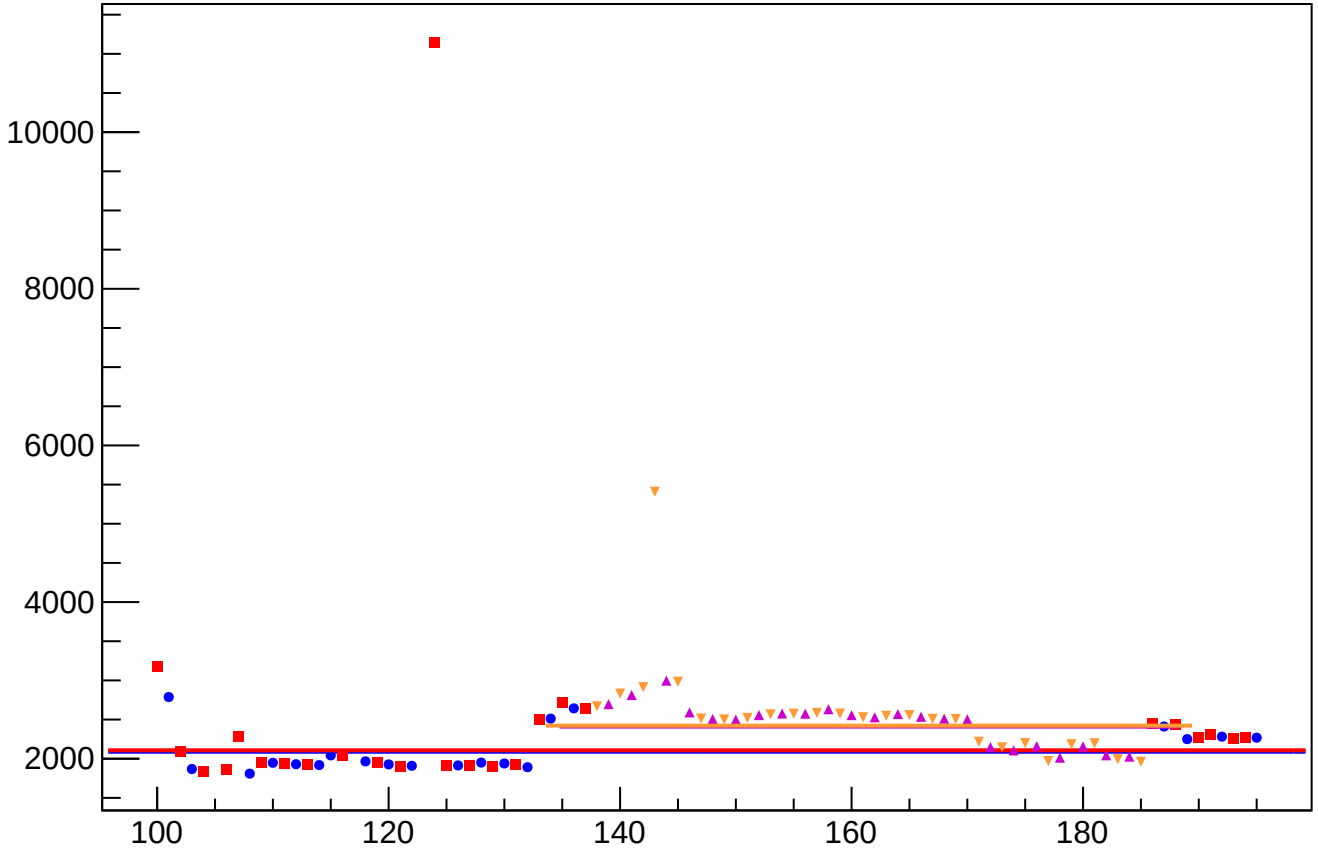
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.594+/-429.322 χ^2/NDF: 58.4/44

All: -586.180+/-302.005 χ^2/NDF: 128.5/92

- sign -2387.379+/-424.912 χ^2/NDF: 33.8/47

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: 2107.459+/-0.455 χ^2/NDF: 492519.5/24

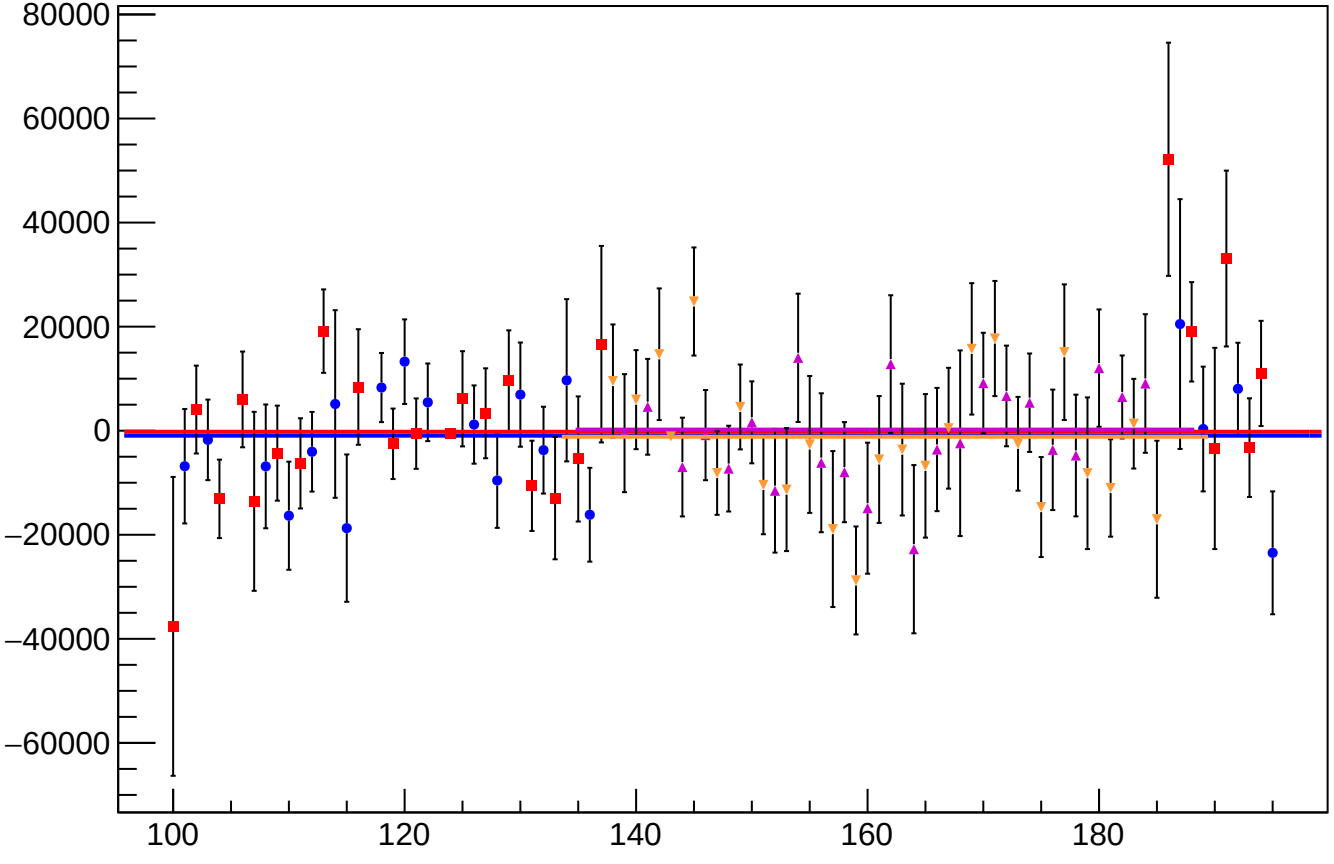
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.5/44

All: 2282.181+/-0.214 χ^2/NDF: 2724147.4/92

- sign 2277.746+/-0.300 χ^2/NDF: 1170014.5/47

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: -203.132+/-759.367 χ^2/NDF: 33.3/24

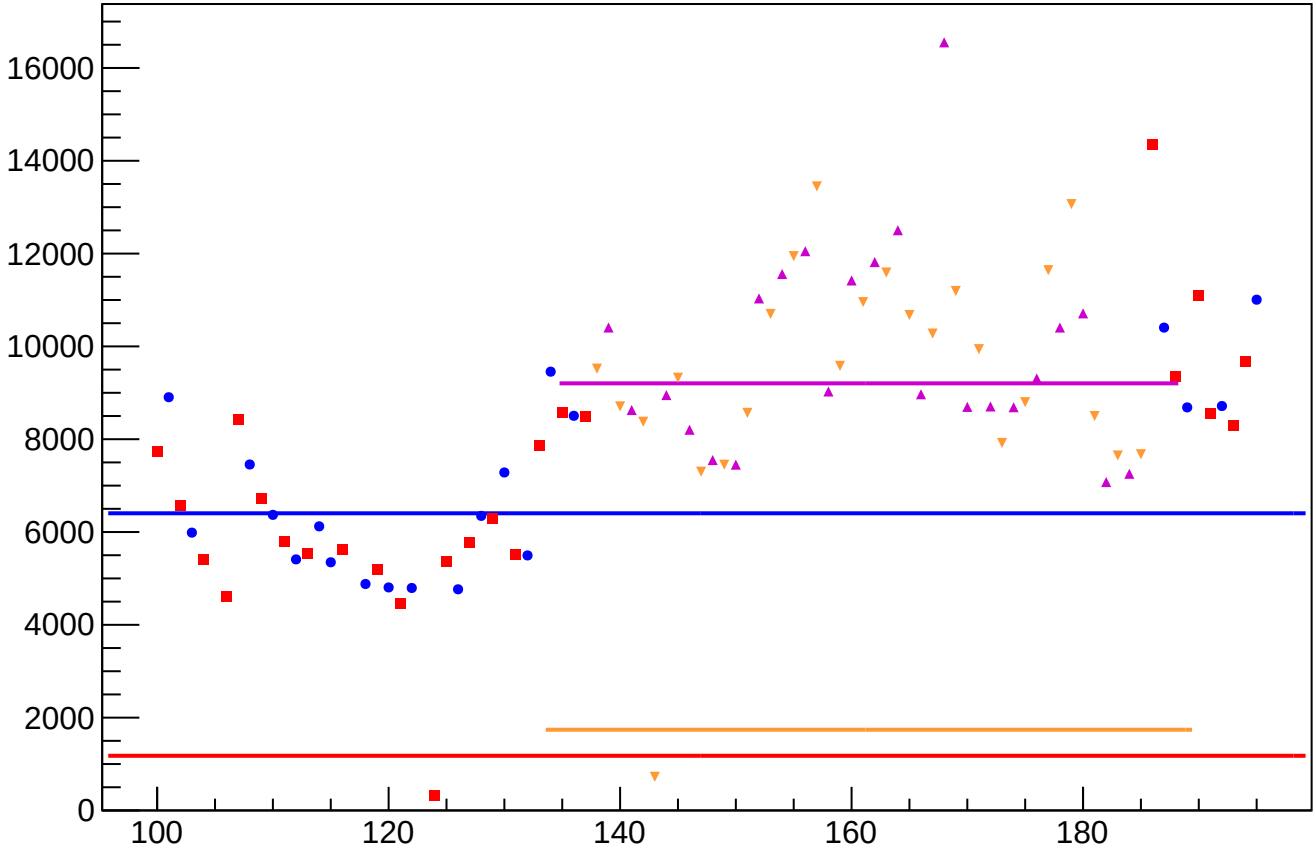
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

\+ sign -1135.082+/-713.808 χ^2/NDF: 52.8/44

All: -649.658+/-506.087 χ^2/NDF: 100.5/92

\- sign -159.011+/-717.638 χ^2/NDF: 46.8/47

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: 1178.283+/-0.537 χ^2/NDF: 17142344.6/24

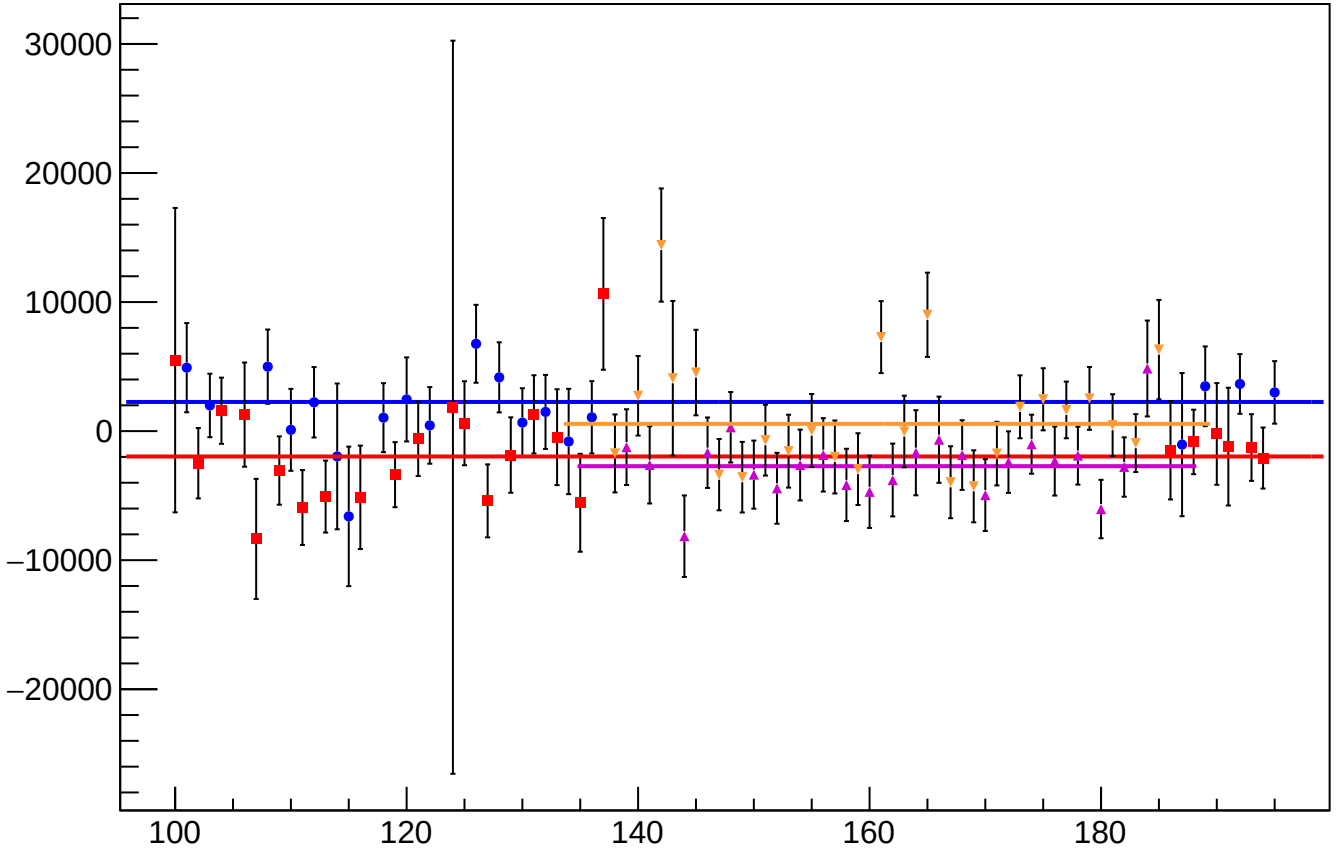
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2265.465+/-0.505 χ^2/NDF: 37607893.0/44

All: 2151.391+/-0.358 χ^2/NDF: 80002384.6/9

- sign 2036.089+/-0.507 χ^2/NDF: 42291783.9/47

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: -1964.704+/-642.920 χ^2/NDF: 18.8/24

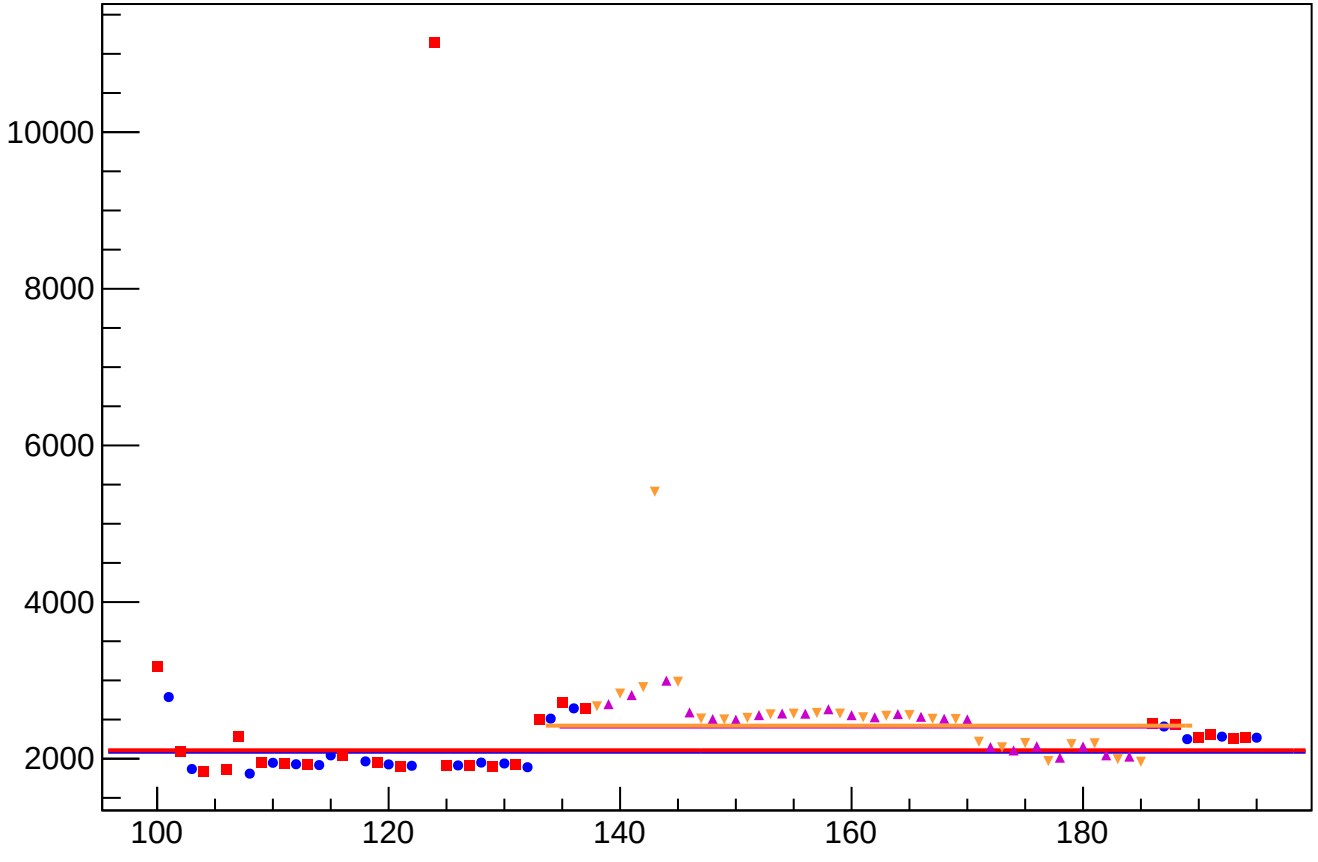
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.628+/-429.322 χ^2/NDF: 58.4/44

All: -586.431+/-302.006 χ^2/NDF: 128.5/92

- sign -2387.922+/-424.914 χ^2/NDF: 33.8/47

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: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

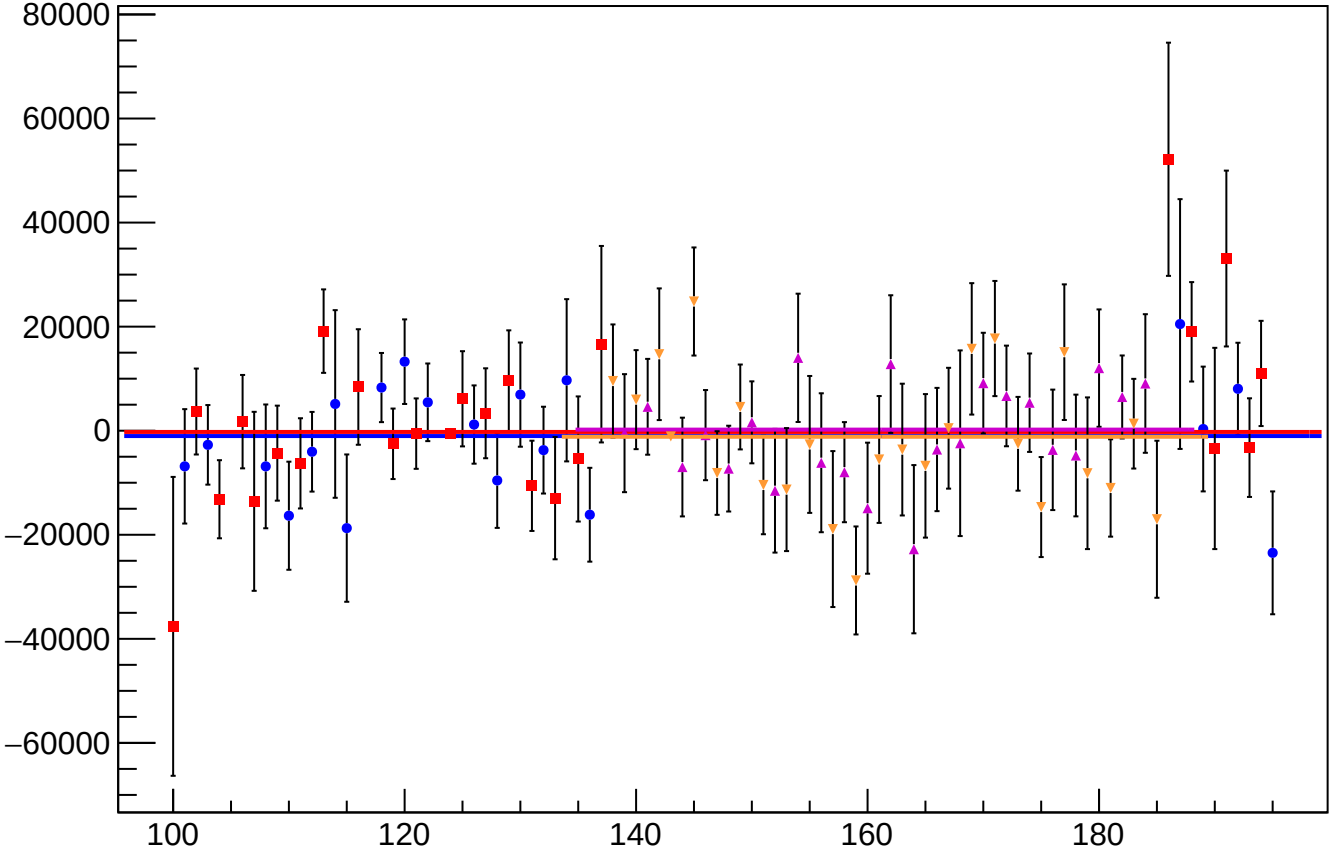
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.6/44

All: 2282.185+/-0.214 χ^2/NDF: 2724115.1/92

- sign 2277.755+/-0.300 χ^2/NDF: 1169983.1/47

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: -235.926+/-759.039 χ^2/NDF: 33.0/24

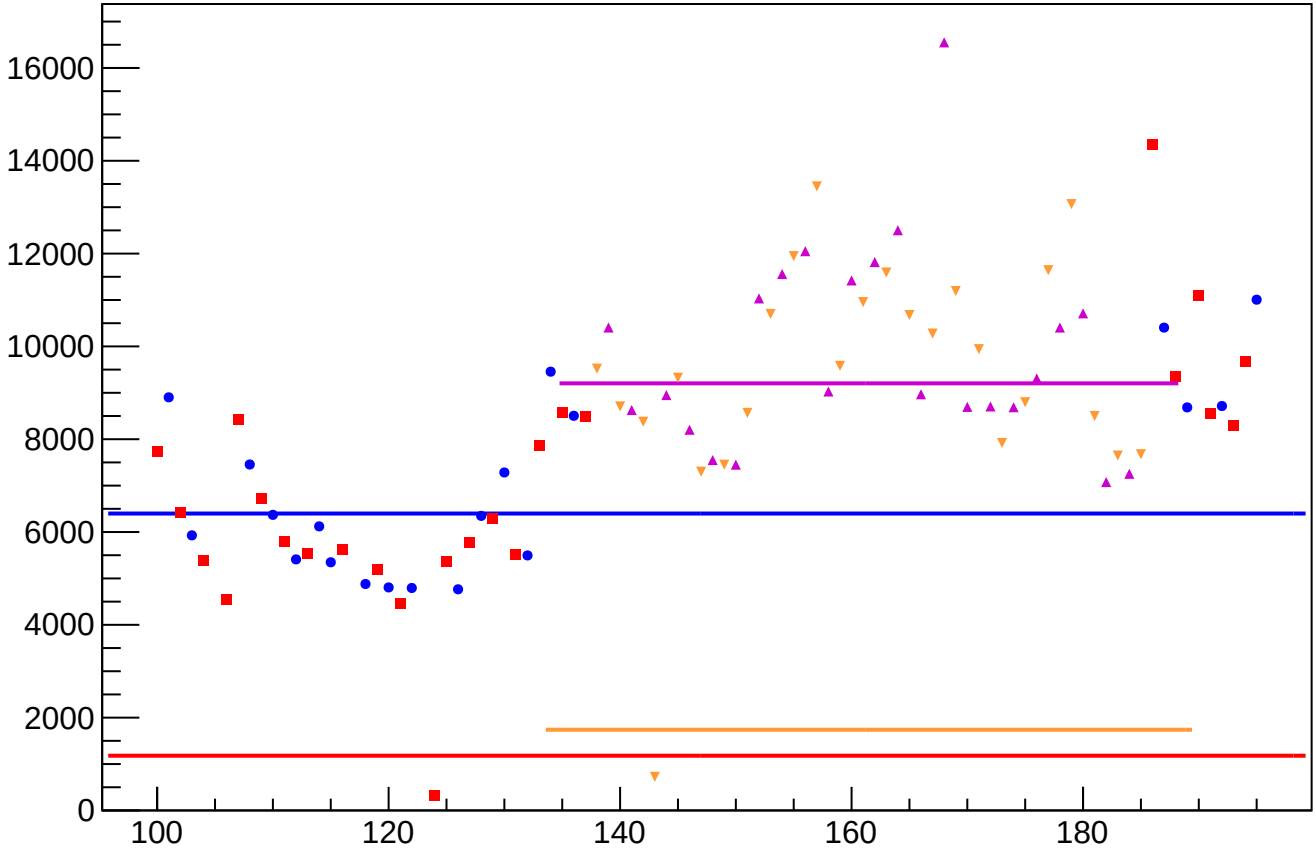
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.432+/-713.682 χ^2/NDF: 52.8/44

All: -668.348+/-505.945 χ^2/NDF: 100.1/92

- sign -188.353+/-717.361 χ^2/NDF: 46.4/47

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

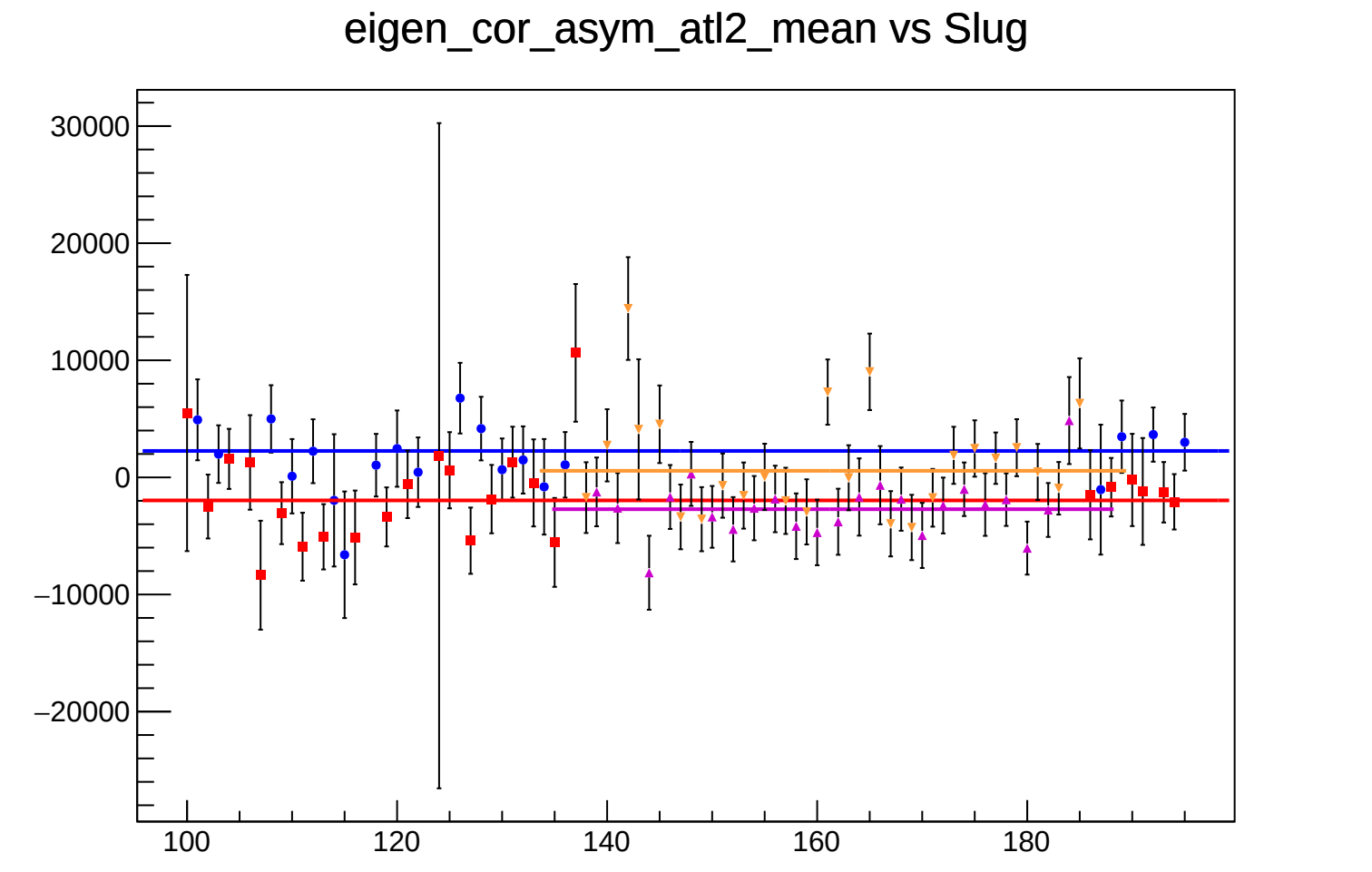
Right Out: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2265.420+/-0.505 χ^2/NDF: 37605988.3/44

All: 2151.691+/-0.358 χ^2/NDF: 79986999.7/9

- sign 2036.787+/-0.507 χ^2/NDF: 42278910.3/47



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: -1964.704+/-642.920 χ^2/NDF: 18.8/24

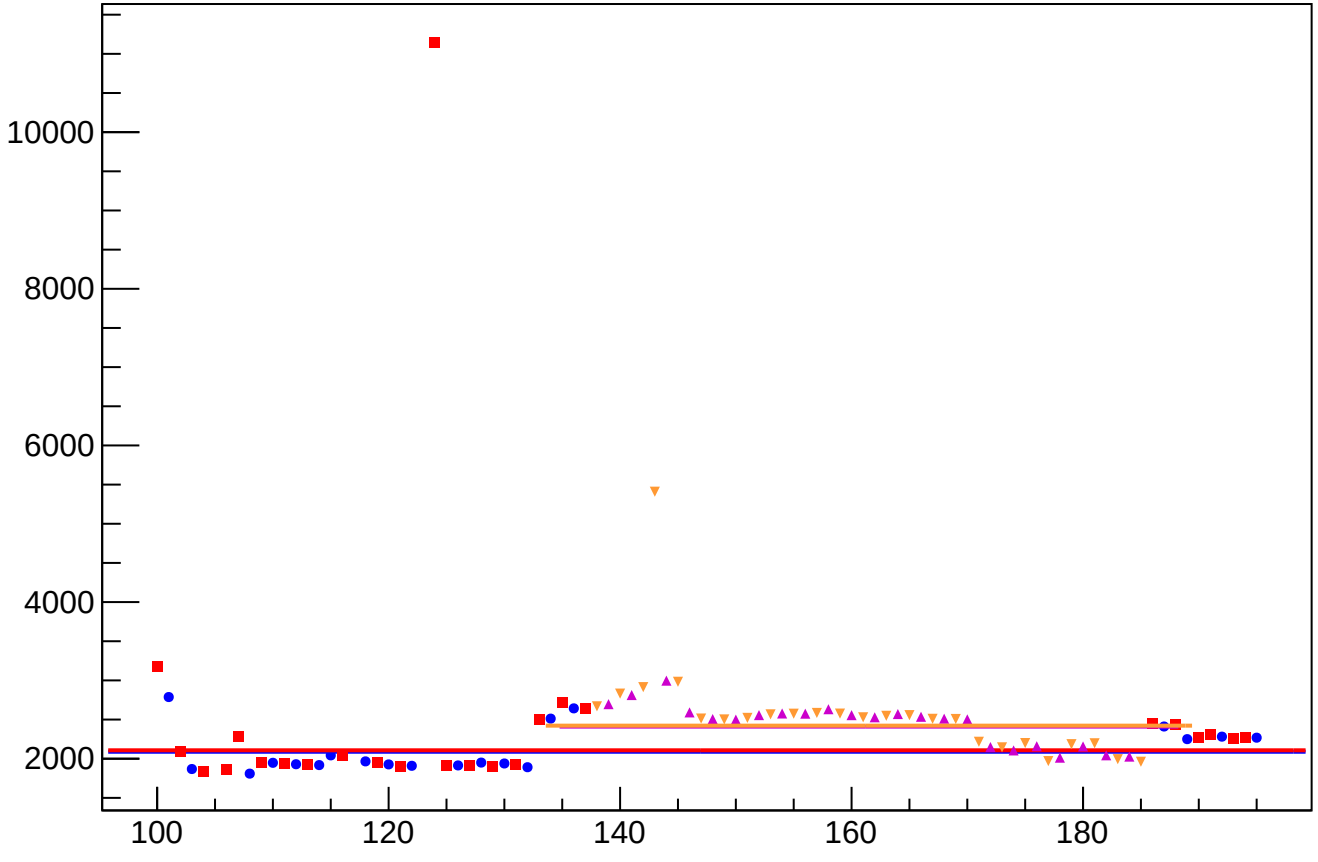
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1252.628+/-429.322 χ^2/NDF: 58.4/44

All: -586.431+/-302.006 χ^2/NDF: 128.5/92

- sign -2387.922+/-424.914 χ^2/NDF: 33.8/47

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: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

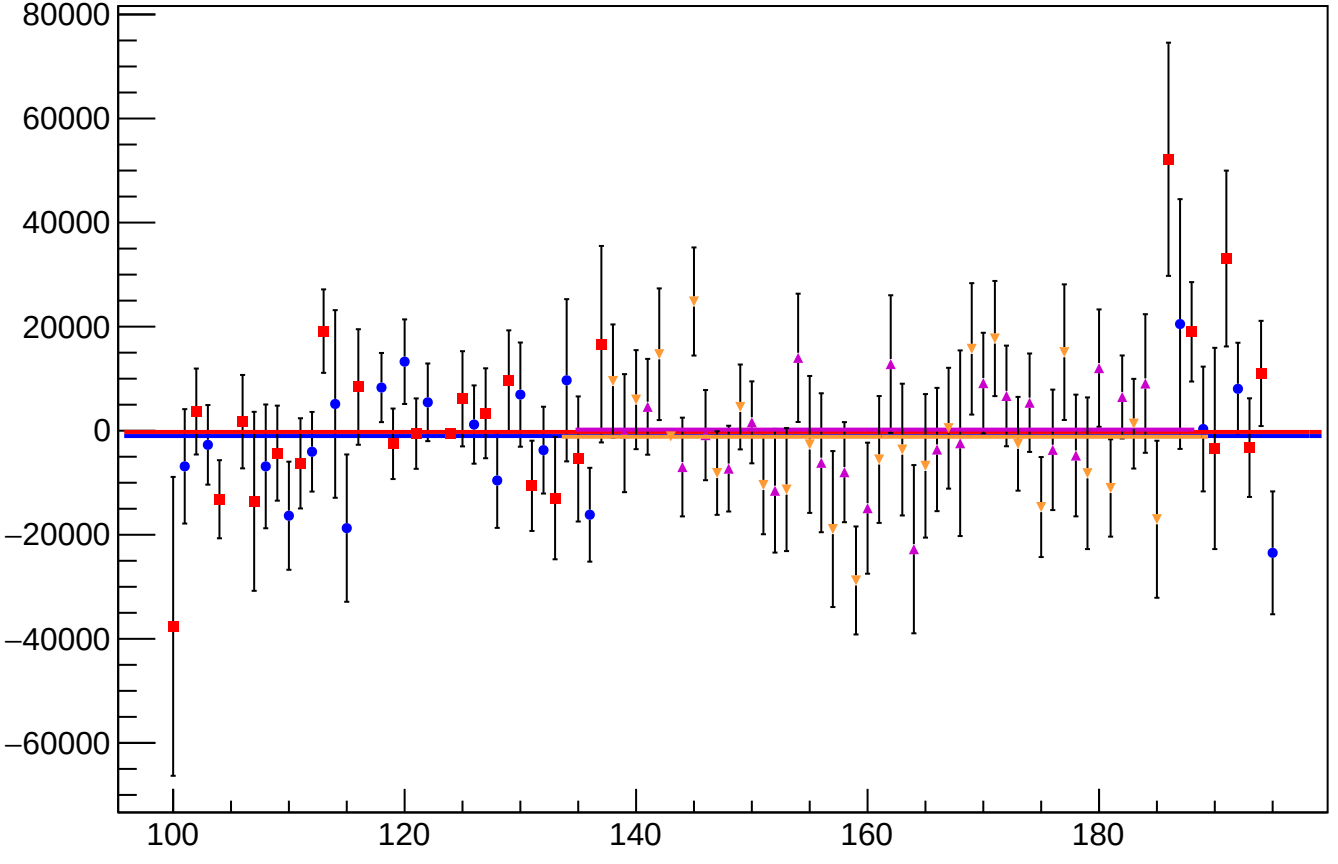
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.709+/-0.304 χ^2/NDF: 1553692.6/44

All: 2282.185+/-0.214 χ^2/NDF: 2724115.1/92

- sign 2277.755+/-0.300 χ^2/NDF: 1169983.1/47

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: -235.926+/-759.039 χ^2/NDF: 33.0/24

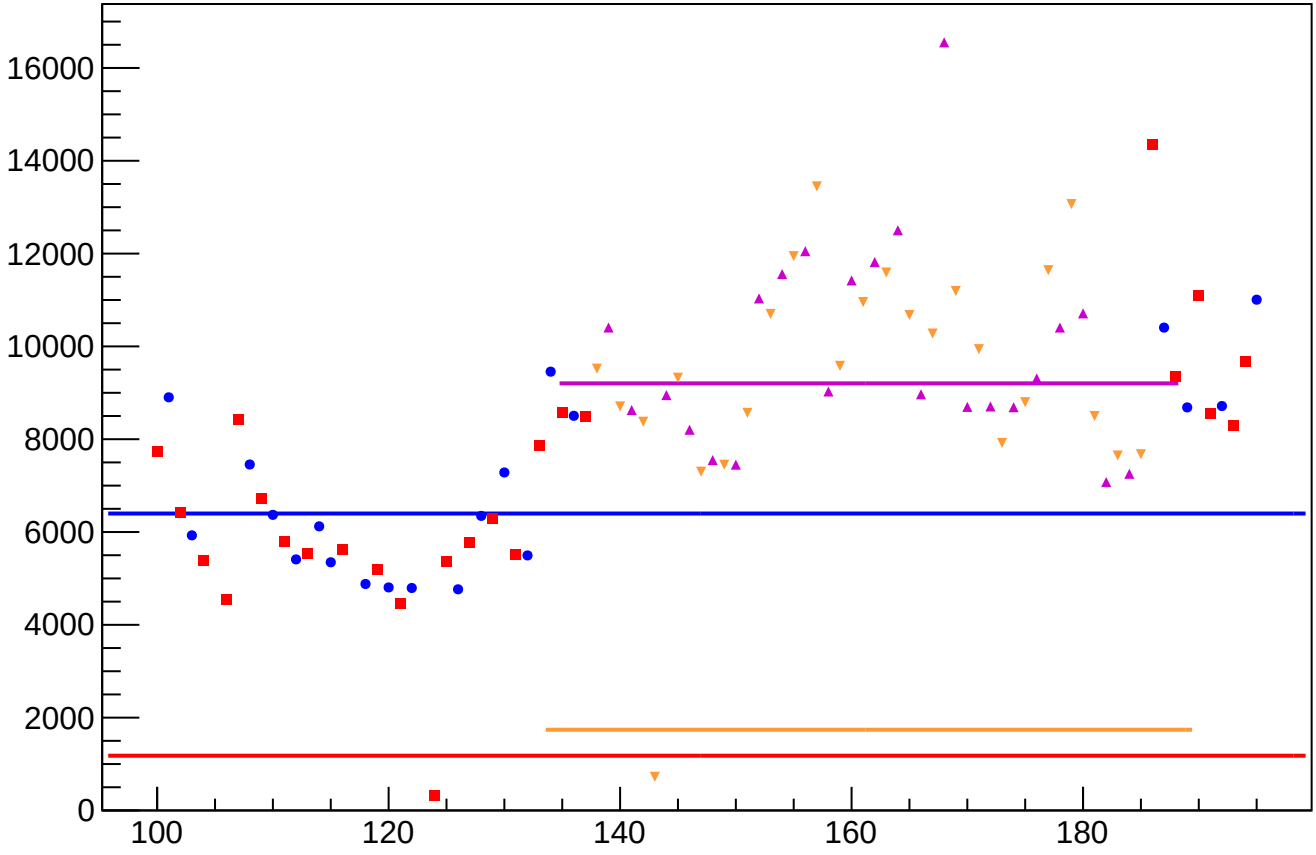
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1143.432+/-713.682 χ^2/NDF: 52.8/44

All: -668.348+/-505.945 χ^2/NDF: 100.1/92

- sign -188.353+/-717.361 χ^2/NDF: 46.4/47

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: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

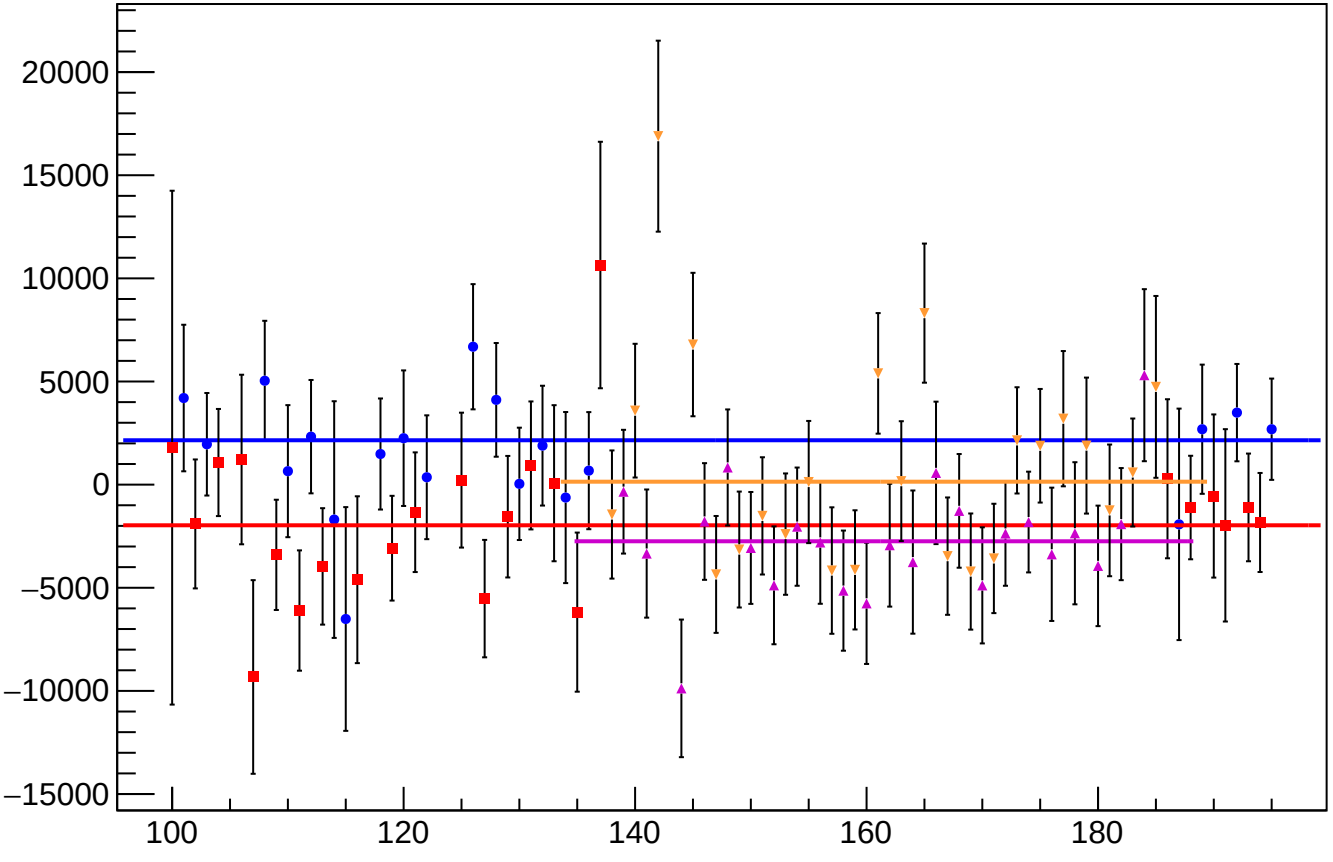
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2265.420+/-0.505 χ^2/NDF: 37605988.3/44

All: 2151.691+/-0.358 χ^2/NDF: 79986999.7/9

- sign 2036.787+/-0.507 χ^2/NDF: 42278910.3/47

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: -1970.818+/-654.126 χ^2/NDF: 17.5/23

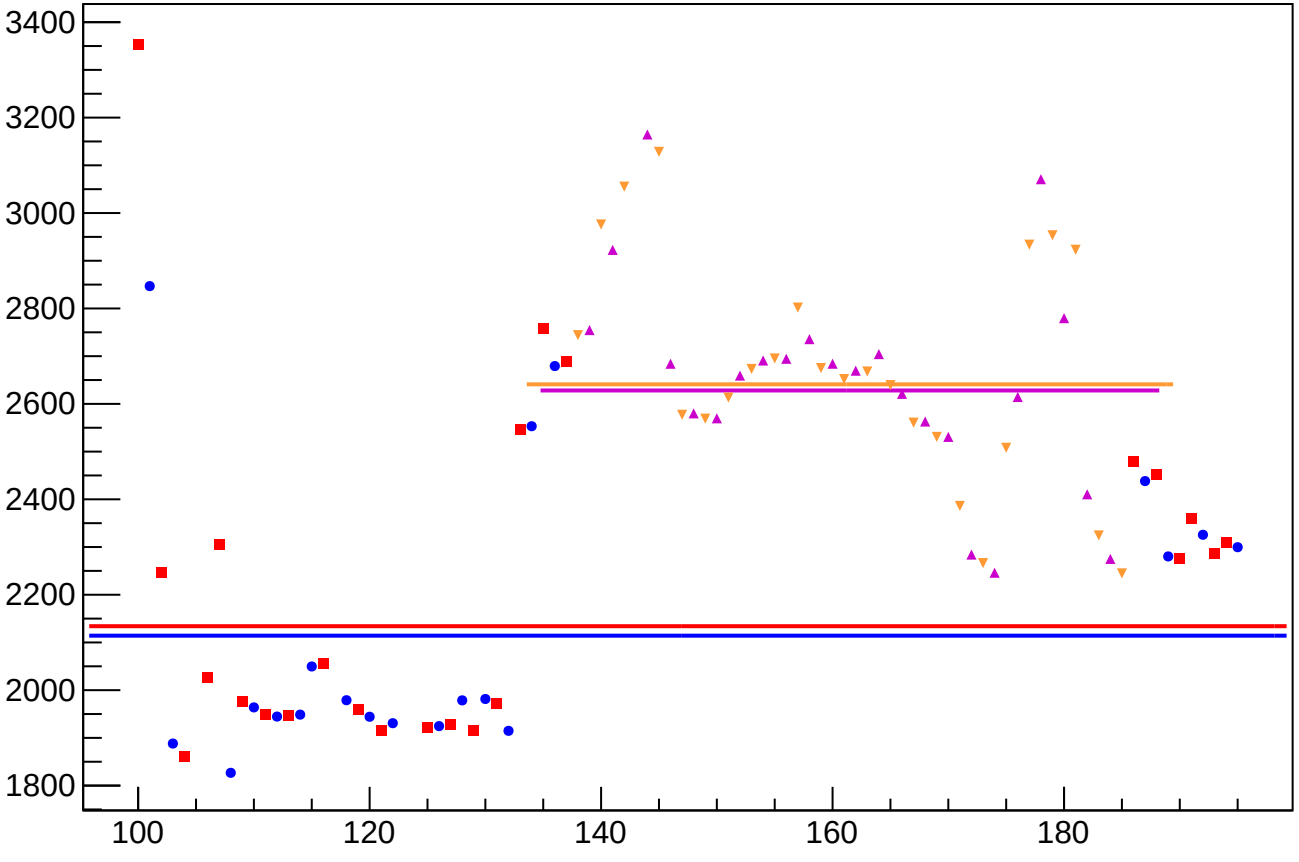
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1044.732+/-457.004 χ^2/NDF: 60.6/43

All: -700.601+/-320.101 χ^2/NDF: 122.9/90

- sign -2381.571+/-448.498 χ^2/NDF: 33.7/46

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: 2134.096+/-0.462 χ^2/NDF: 294969.0/23

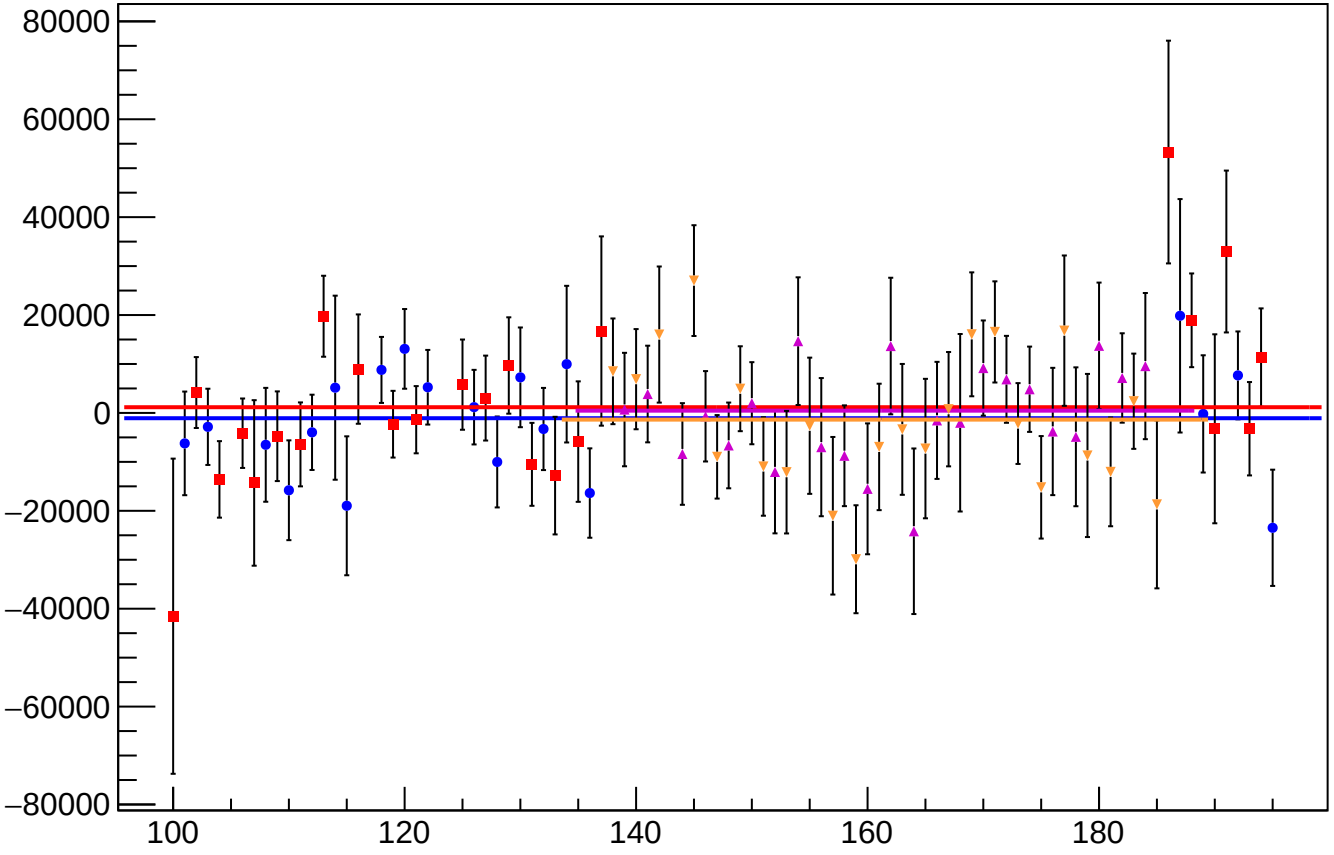
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2404.405+/-0.323 χ^2/NDF: 1232087.7/43

All: 2399.920+/-0.226 χ^2/NDF: 2370113.4/90

- sign 2395.604+/-0.317 χ^2/NDF: 1137647.6/46

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: 1165.986+/-1975.615 χ^2/NDF: 33.0/23

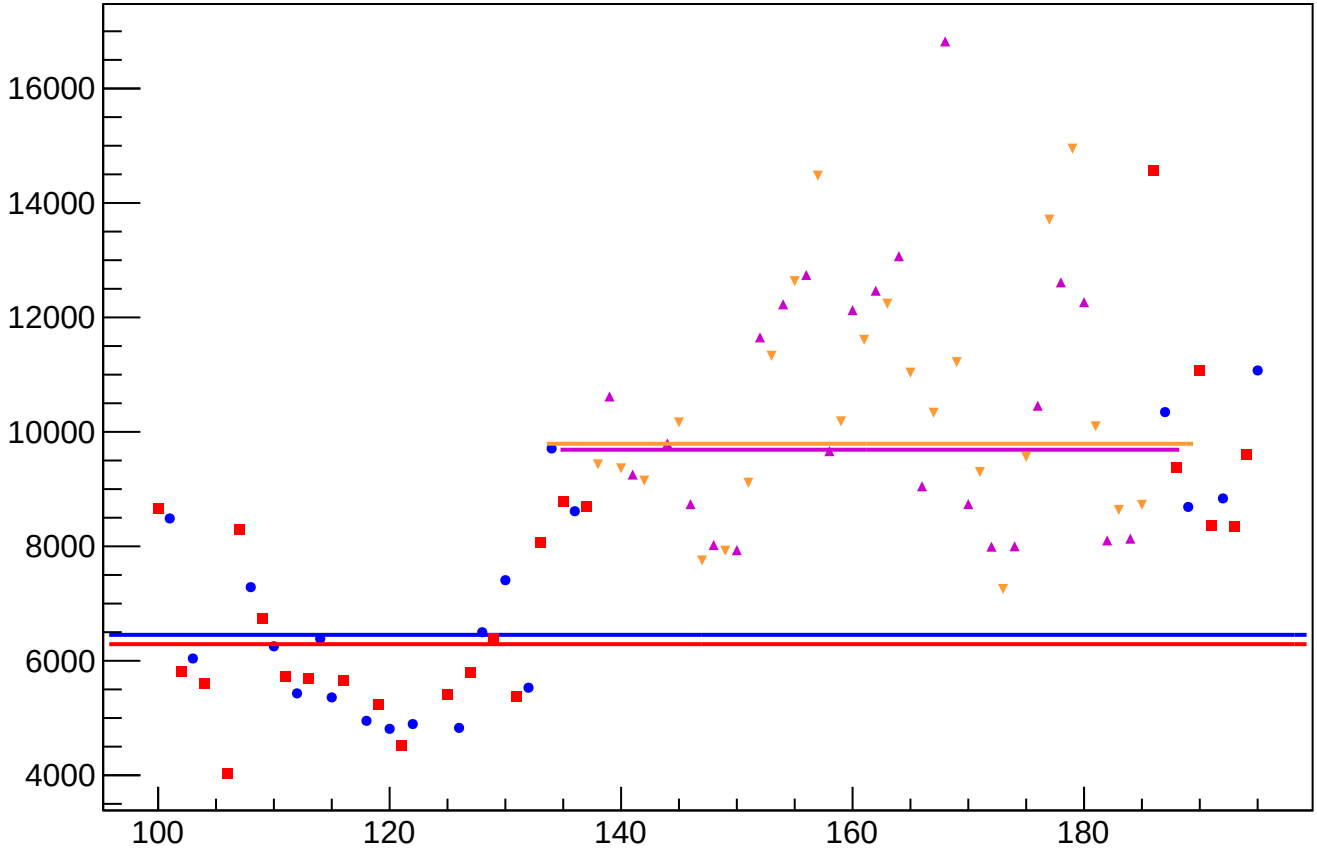
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1212.061+/-1575.366 χ^2/NDF: 51.9/43

All: -121.858+/-1087.326 χ^2/NDF: 98.9/90

- sign 870.002+/-1502.633 χ^2/NDF: 46.1/46

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: 6290.190+/-1.397 χ^2/NDF: 1617953.1/23

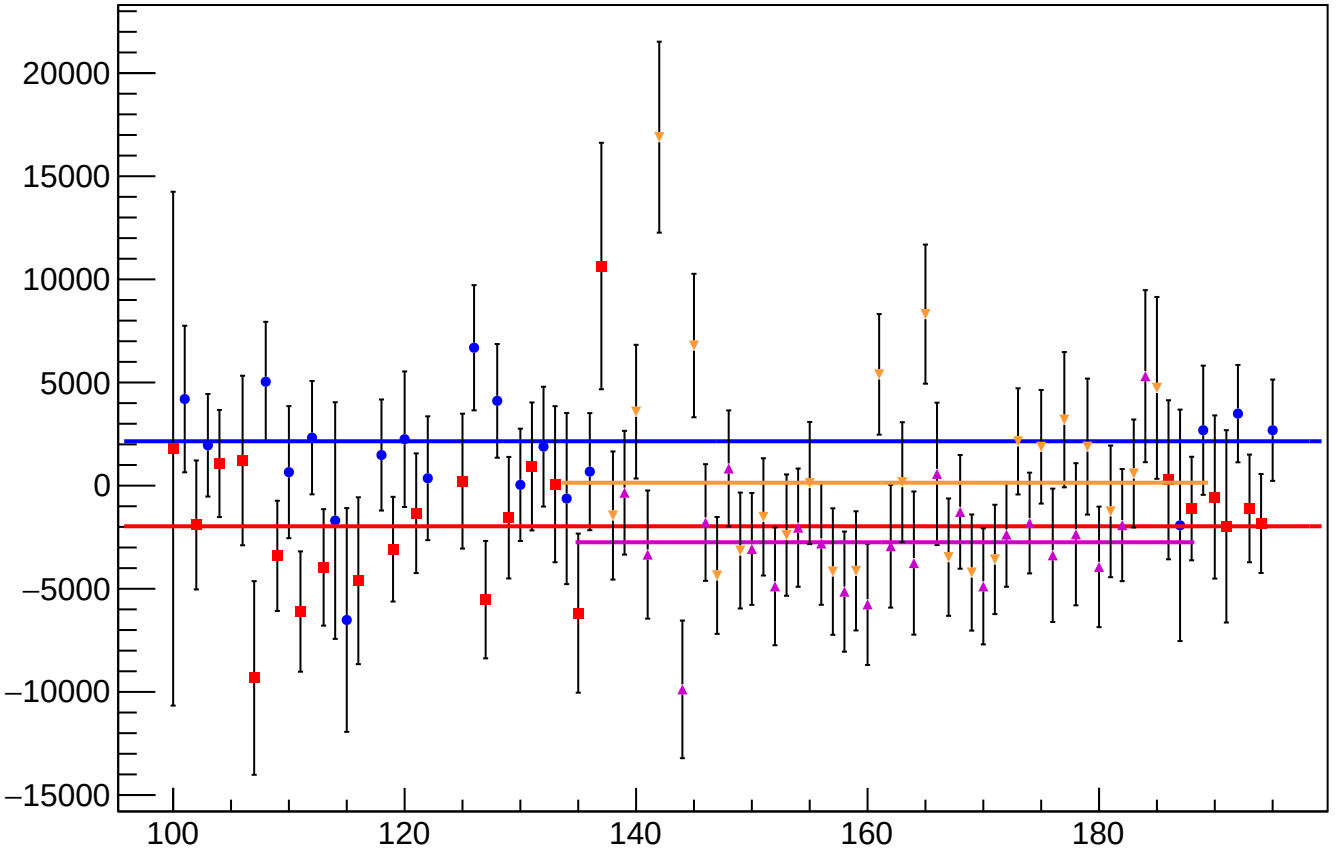
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7984.731+/-1.114 χ^2/NDF: 4745442.0/43

All: 7847.397+/-0.769 χ^2/NDF: 10264440.5/9

- sign 7722.450+/-1.063 χ^2/NDF: 5489970.7/46

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: -1970.820+/-654.126 χ^2/NDF: 17.5/23

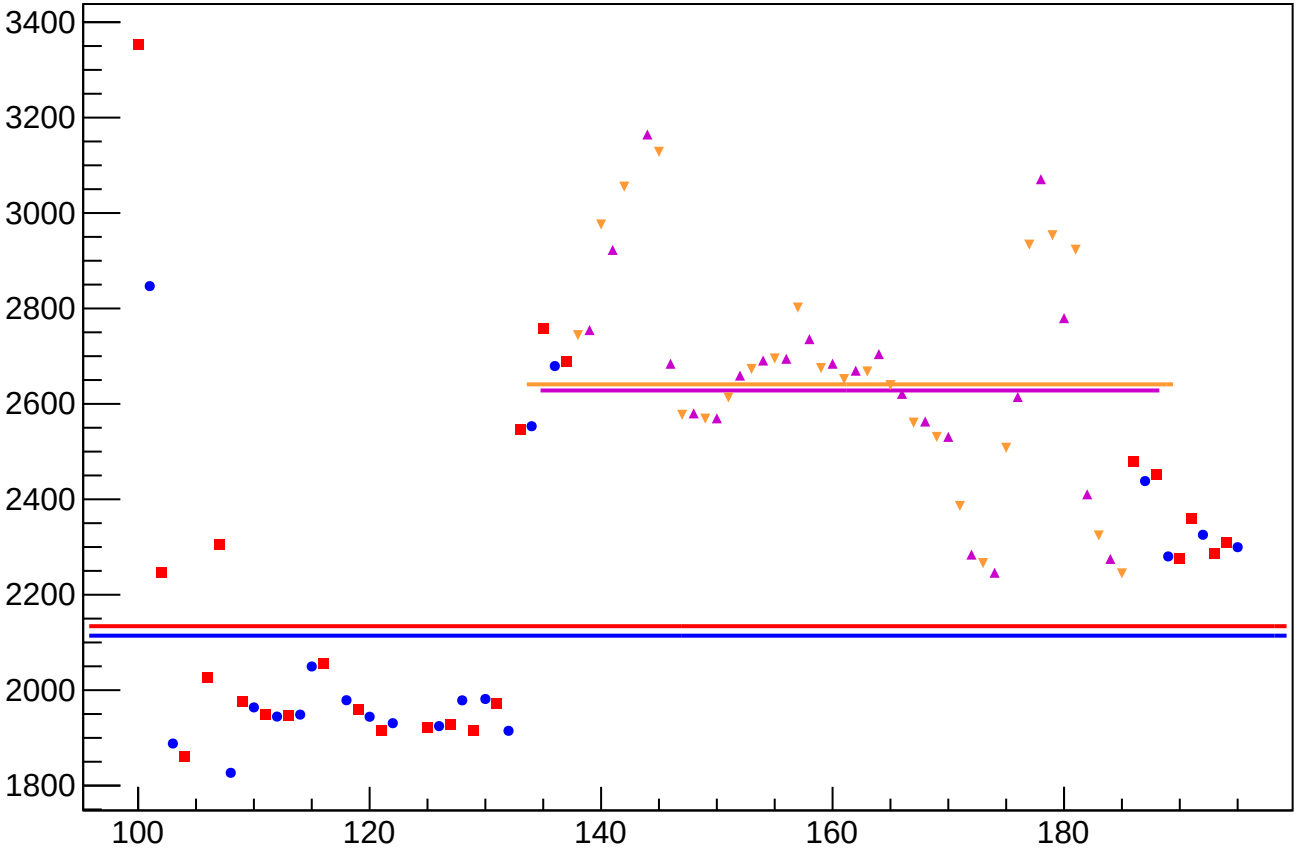
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1044.727+/-457.004 χ^2/NDF: 60.6/43

All: -700.603+/-320.101 χ^2/NDF: 122.9/90

- sign -2381.570+/-448.498 χ^2/NDF: 33.7/46

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

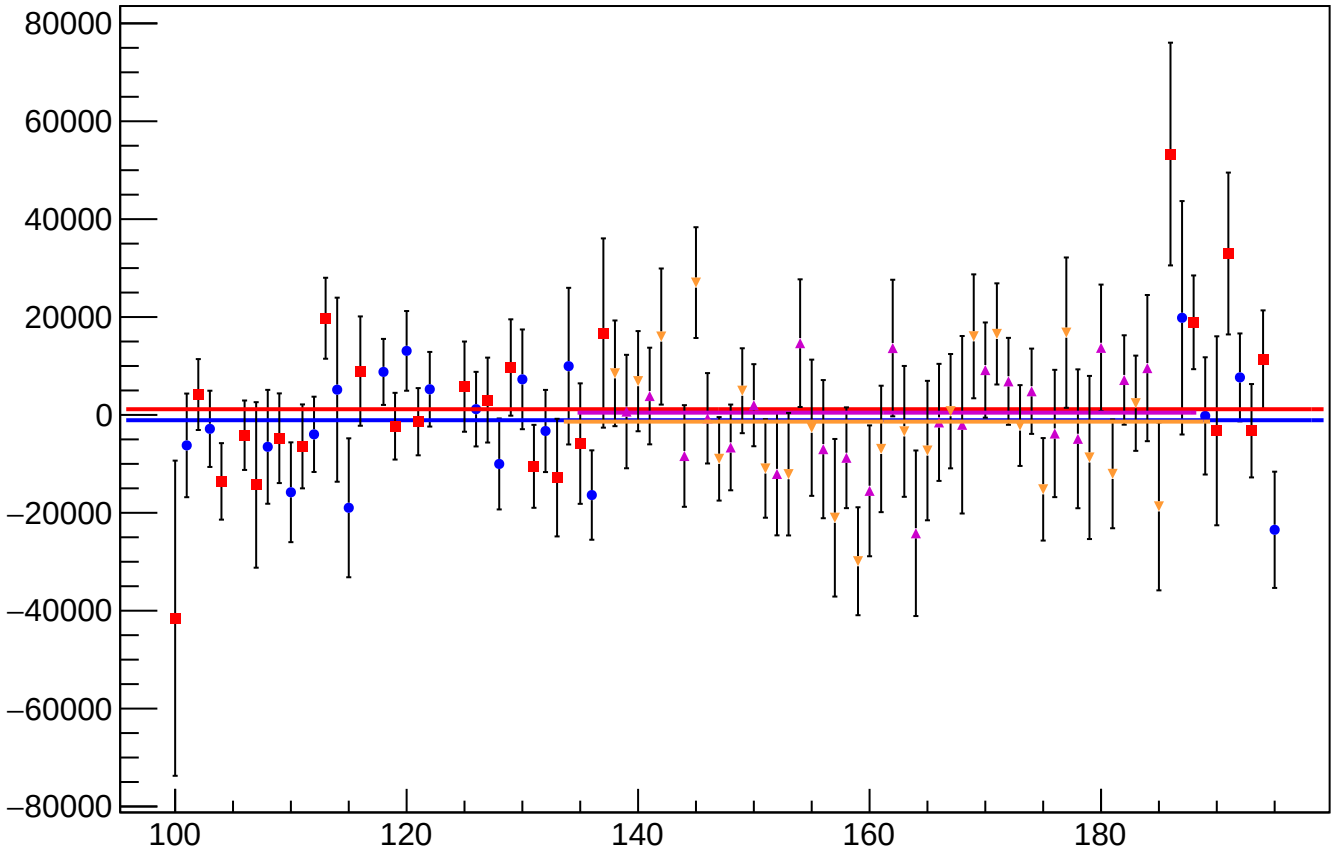
Right Out: 2134.096+/-0.462 χ^2/NDF: 294969.1/23

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2404.406+/-0.323 χ^2/NDF: 1232102.0/43

All: 2399.921+/-0.226 χ^2/NDF: 2370142.3/90

- sign 2395.605+/-0.317 χ^2/NDF: 1137662.3/46



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: 1165.973+/-1975.611 χ^2/NDF: 33.0/23

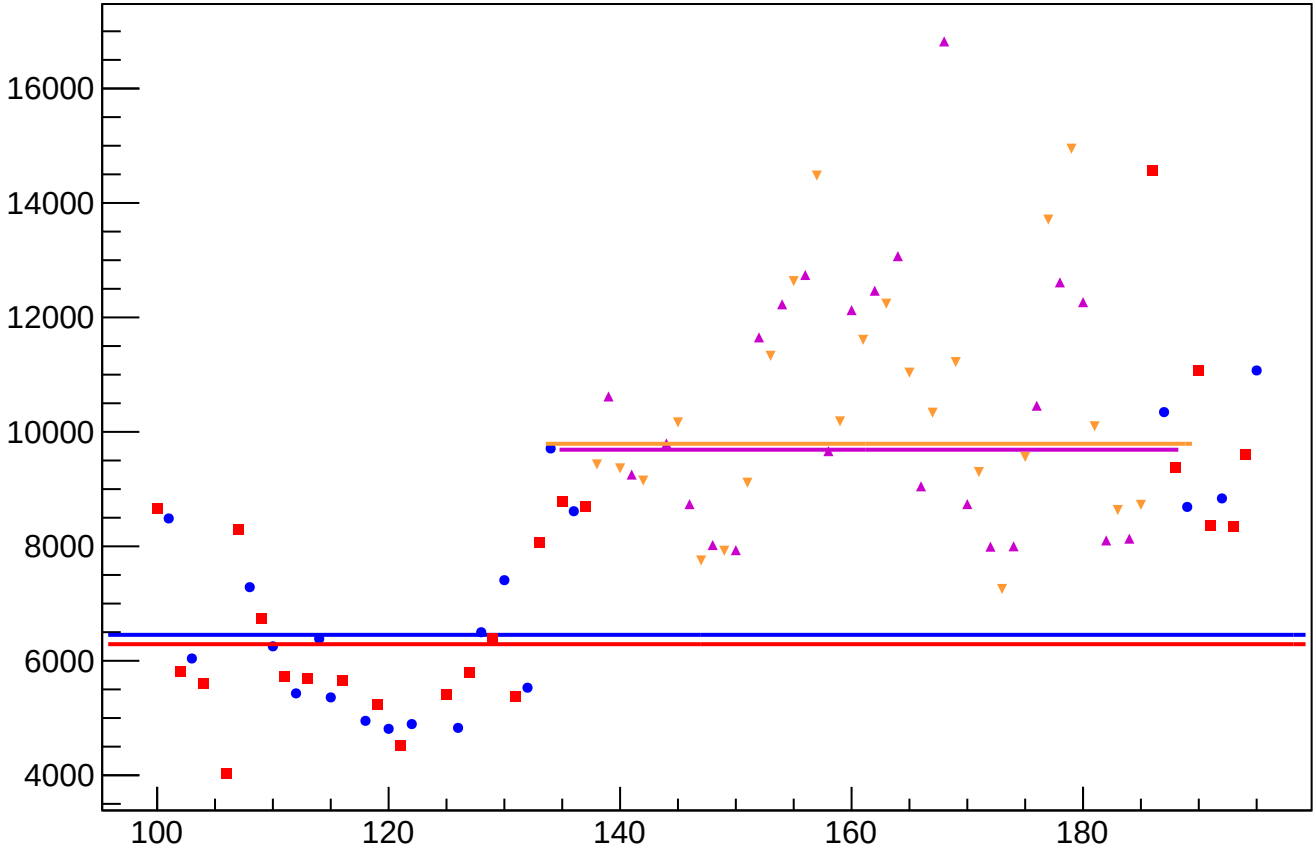
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1212.058+/-1575.366 χ^2/NDF: 51.9/43

All: -121.859+/-1087.326 χ^2/NDF: 98.9/90

- sign 869.997+/-1502.633 χ^2/NDF: 46.1/46

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: 6290.174+/-1.397 χ^2/NDF: 1617970.4/23

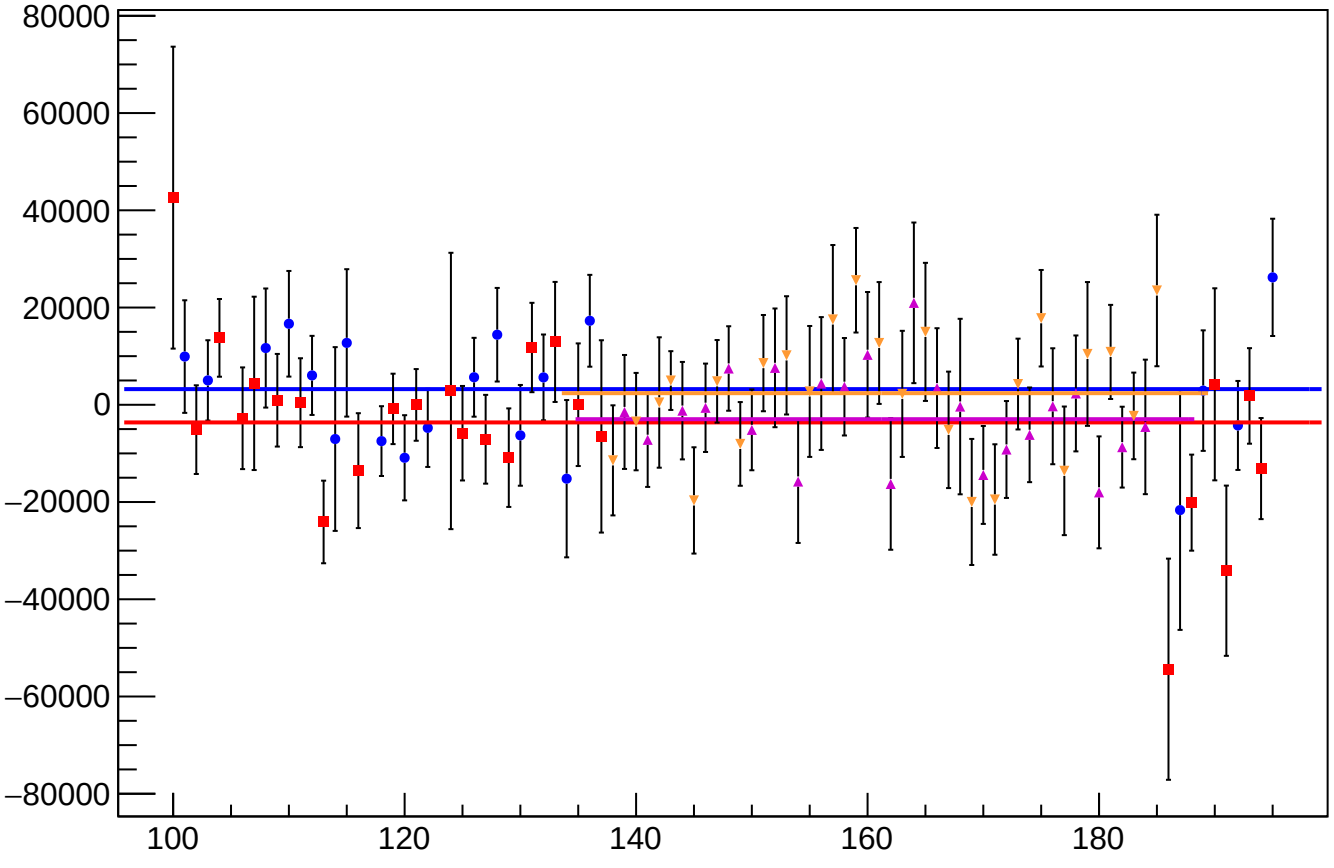
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7984.722+/-1.114 χ^2/NDF: 4745511.2/43

All: 7847.388+/-0.769 χ^2/NDF: 10264574.2/9

- sign 7722.442+/-1.063 χ^2/NDF: 5490035.4/46

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: -3629.628+/-2127.702 χ^2/NDF: 32.1/24

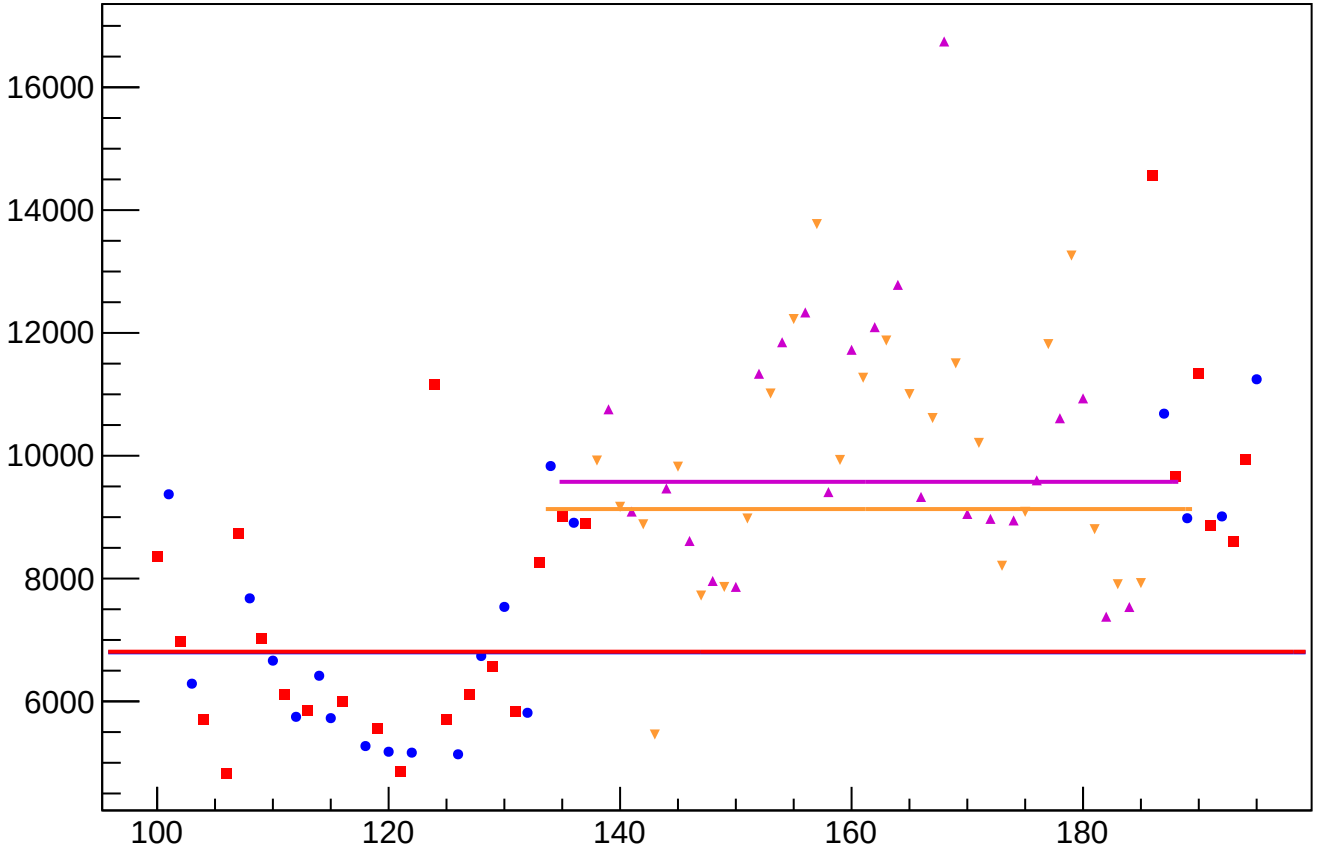
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2783.431+/-1549.146 χ^2/NDF: 50.0/44

All: -256.034+/-1097.556 χ^2/NDF: 102.8/92

- sign -3319.415+/-1555.228 χ^2/NDF: 45.1/47

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: 6808.961+/-1.505 χ^2/NDF: 1384773.9/24

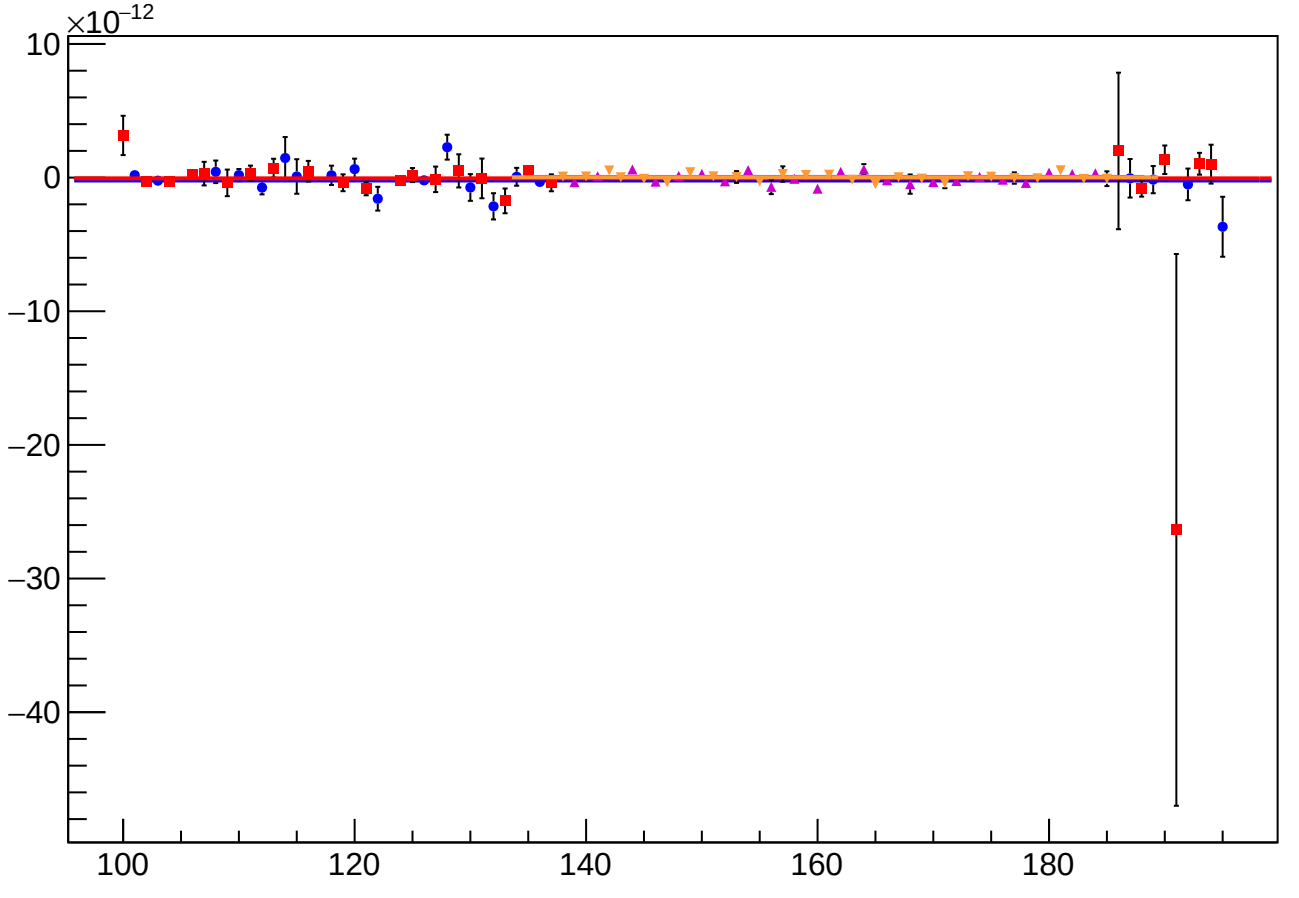
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8025.199+/-1.095 χ^2/NDF: 4135314.5/44

All: 8061.095+/-0.776 χ^2/NDF: 8250488.5/92

- sign 8097.274+/-1.100 χ^2/NDF: 4113017.9/47

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

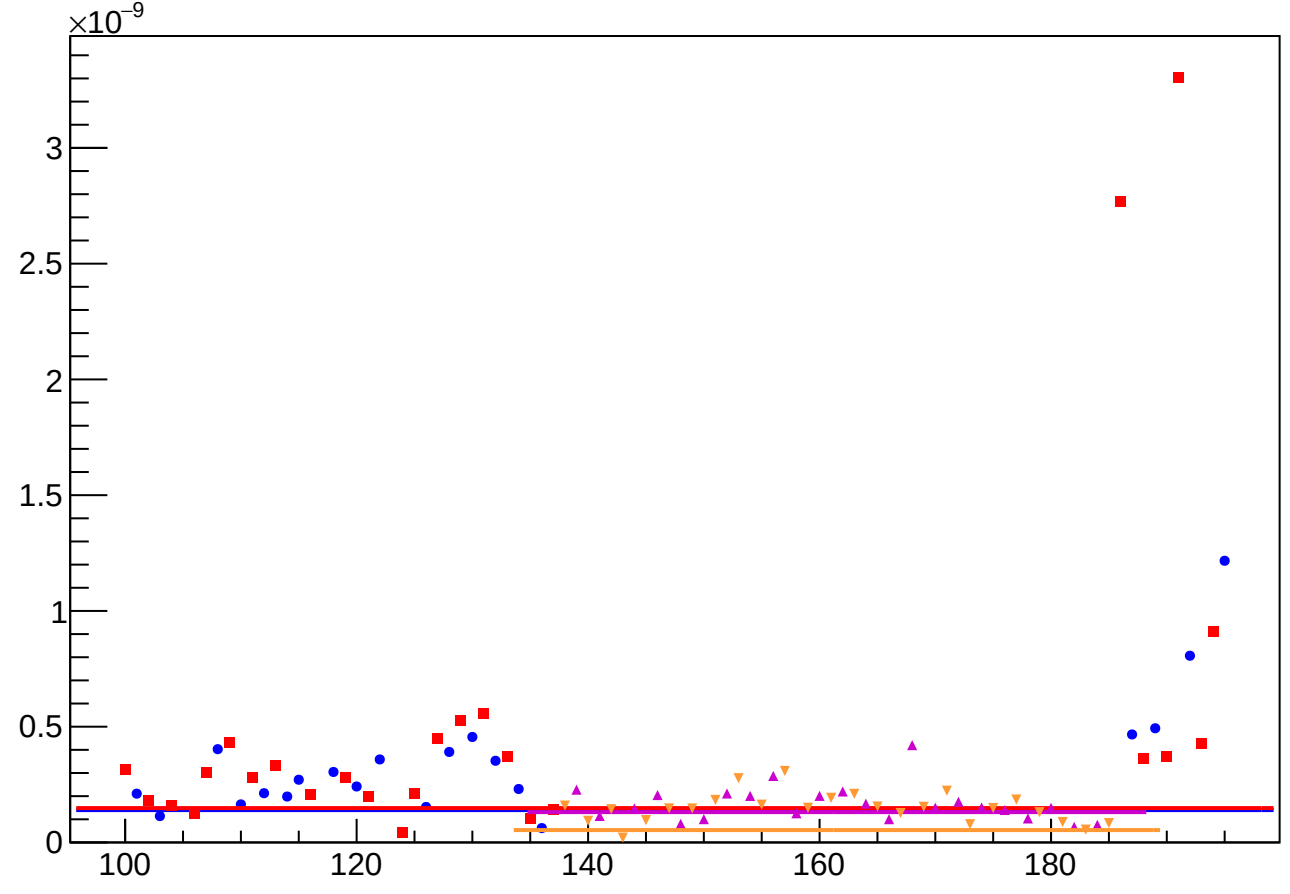
Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/24

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: 113.0/92

- sign 0.000+/-0.000 χ^2/NDF: 65.7/47



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: 3894797.0/24

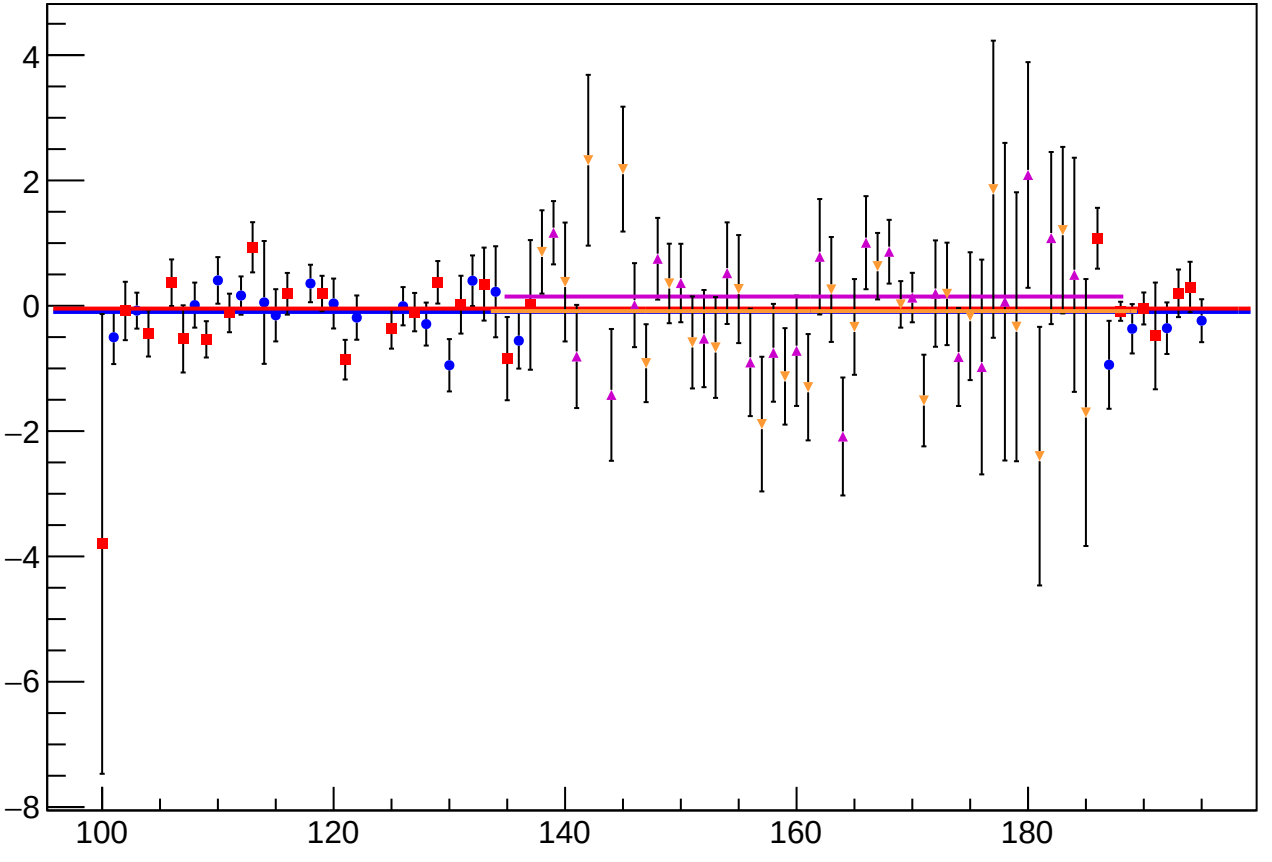
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11953466.1/44

All: 0.000+/-0.000 χ^2/NDF: 21447288.0/92

- sign 0.000+/-0.000 χ^2/NDF: 5850289.5/47

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

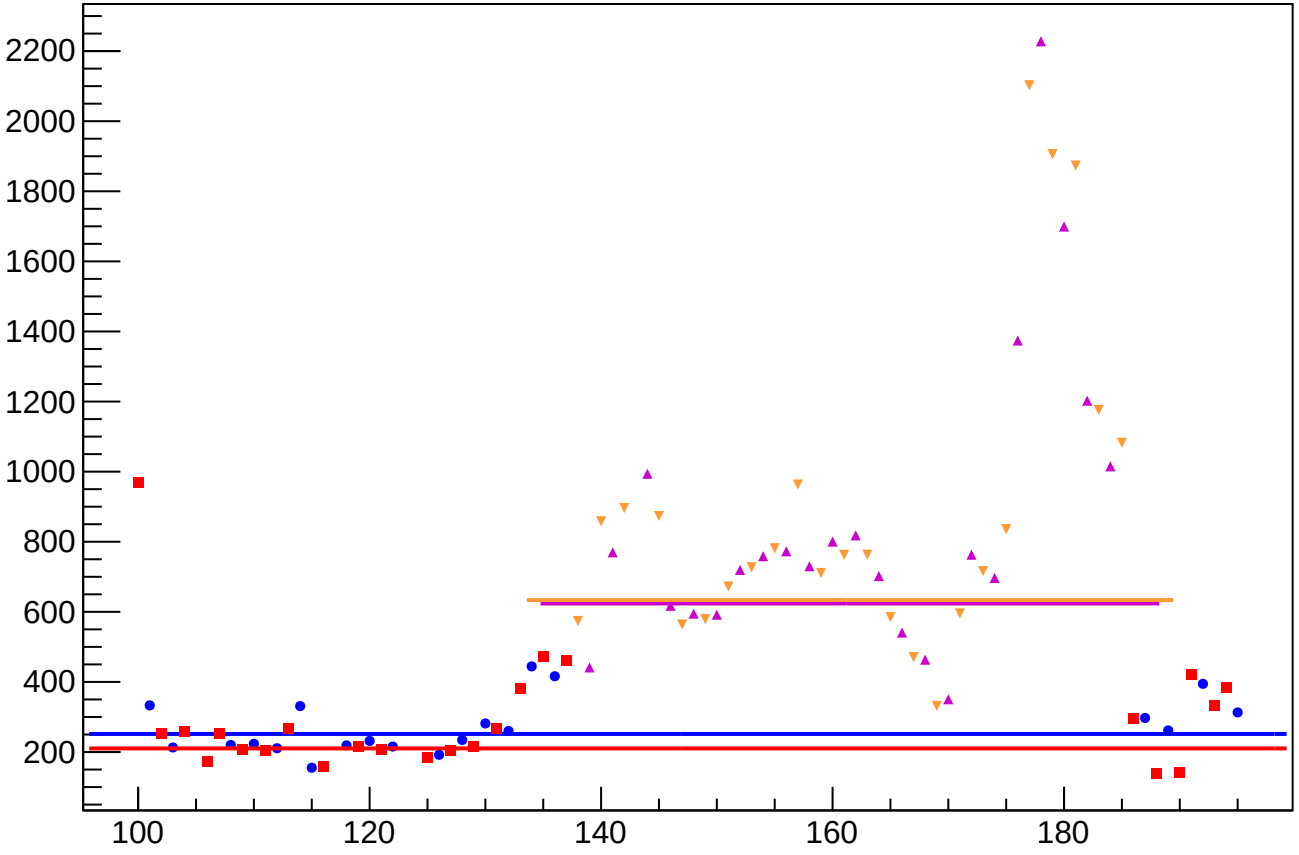
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.095+/-0.076 χ^2/NDF: 46.1/43

All: -0.048+/-0.049 χ^2/NDF: 106.9/90

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

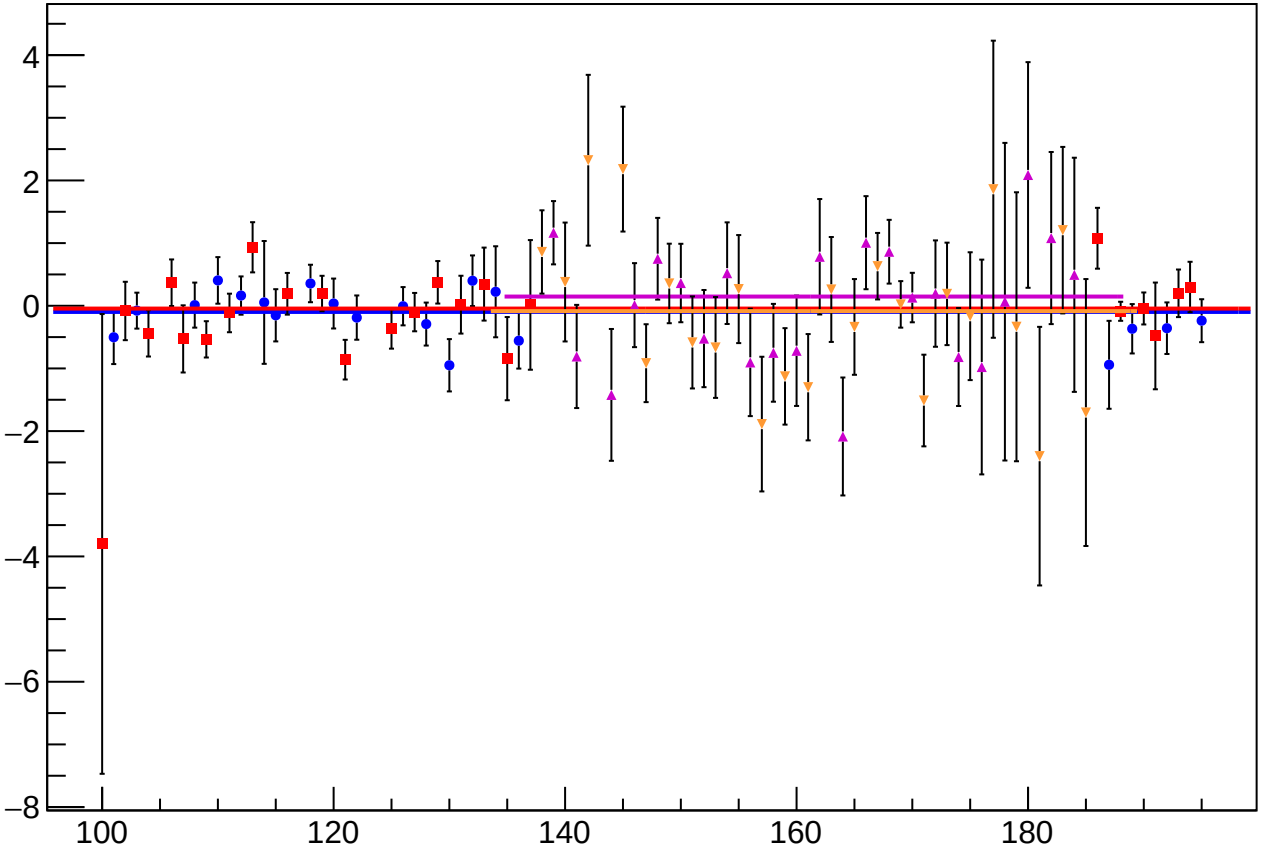
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 335.396+/-0.053 χ^2/NDF: 14904381.6/43

All: 302.682+/-0.035 χ^2/NDF: 33758670.9/90

- sign 278.906+/-0.046 χ^2/NDF: 18207716.9/46

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

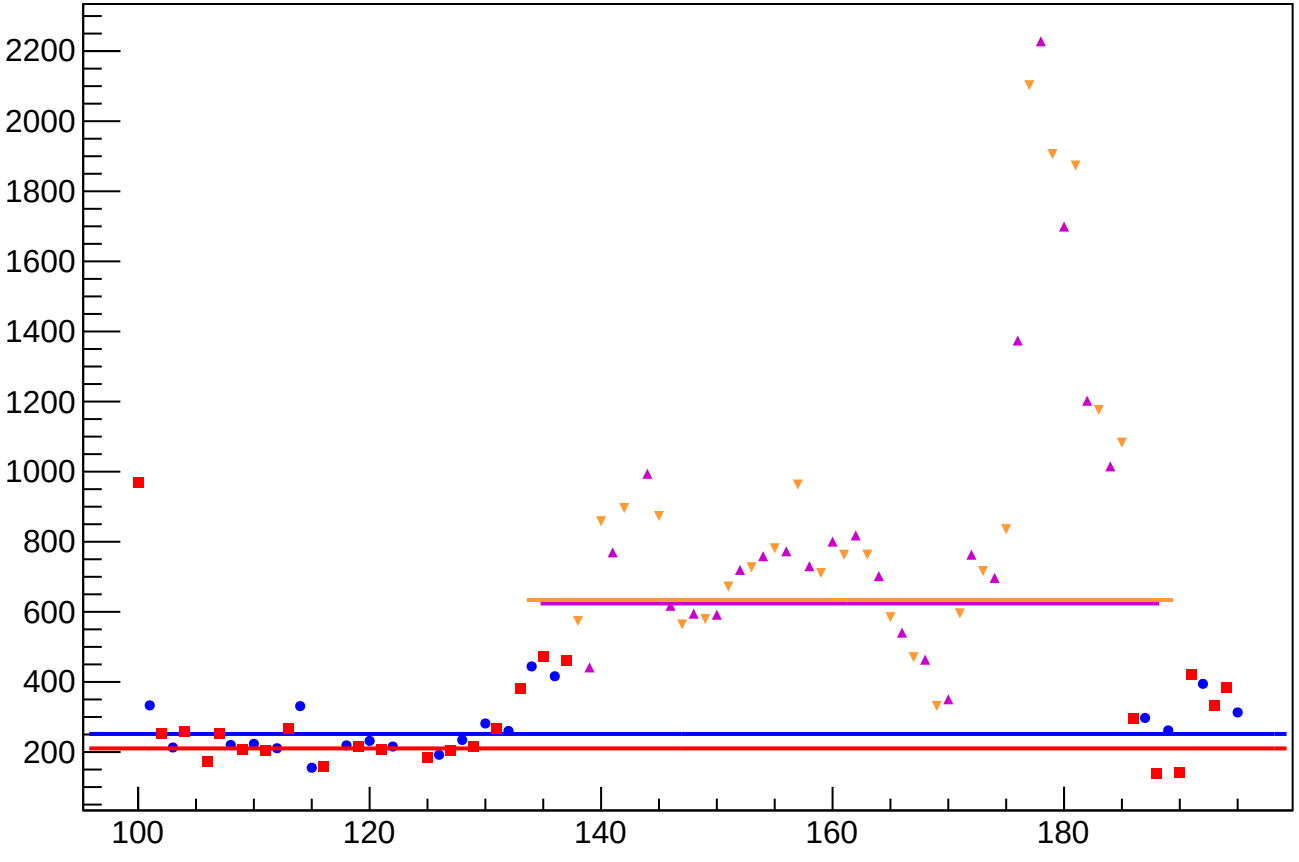
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.095+/-0.076 χ^2/NDF: 46.1/43

All: -0.048+/-0.049 χ^2/NDF: 106.9/90

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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

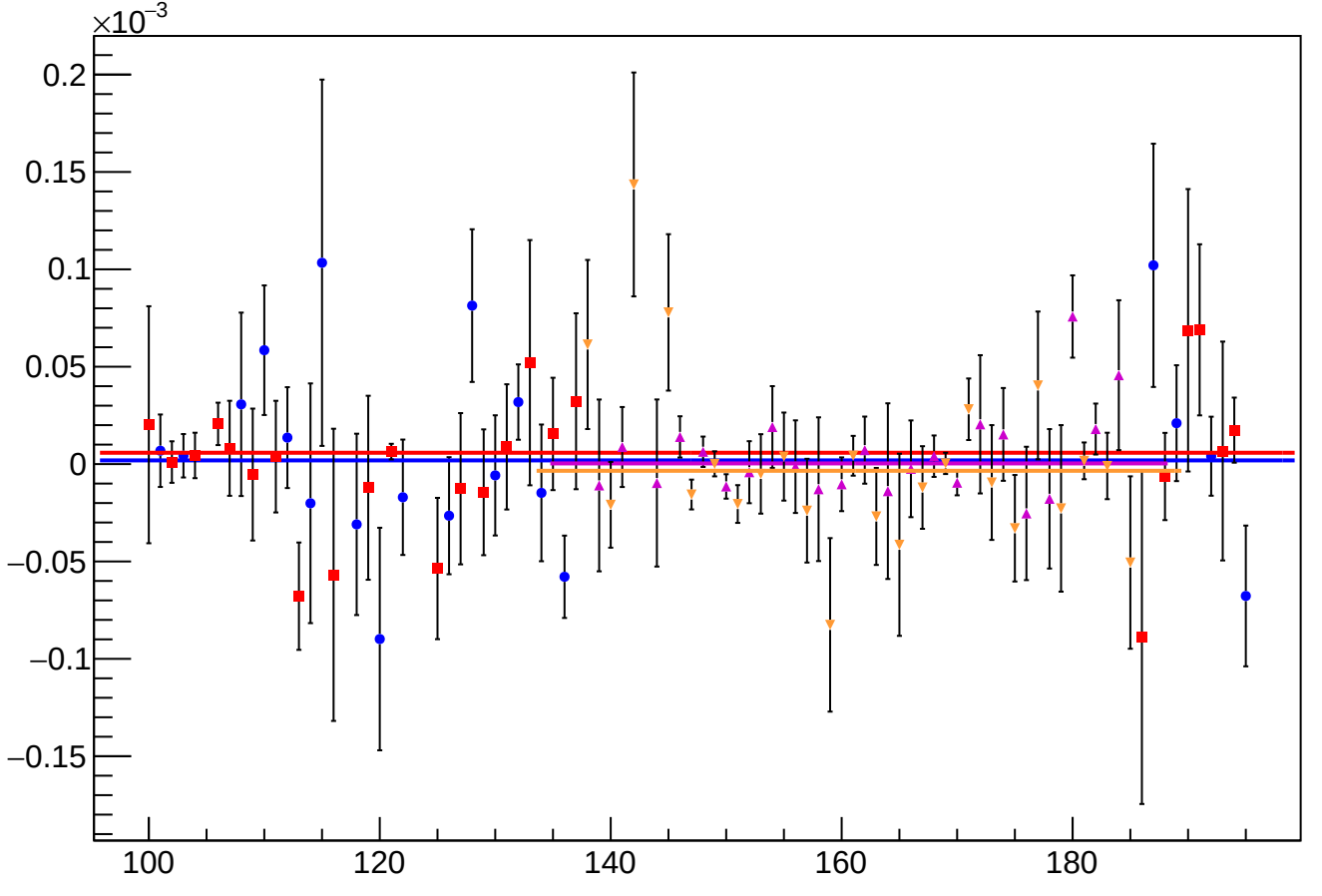
Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 335.396+/-0.053 χ^2/NDF: 14904381.6/43

All: 302.682+/-0.035 χ^2/NDF: 33758670.9/90

- sign 278.906+/-0.046 χ^2/NDF: 18207716.9/46



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: 19.4/23

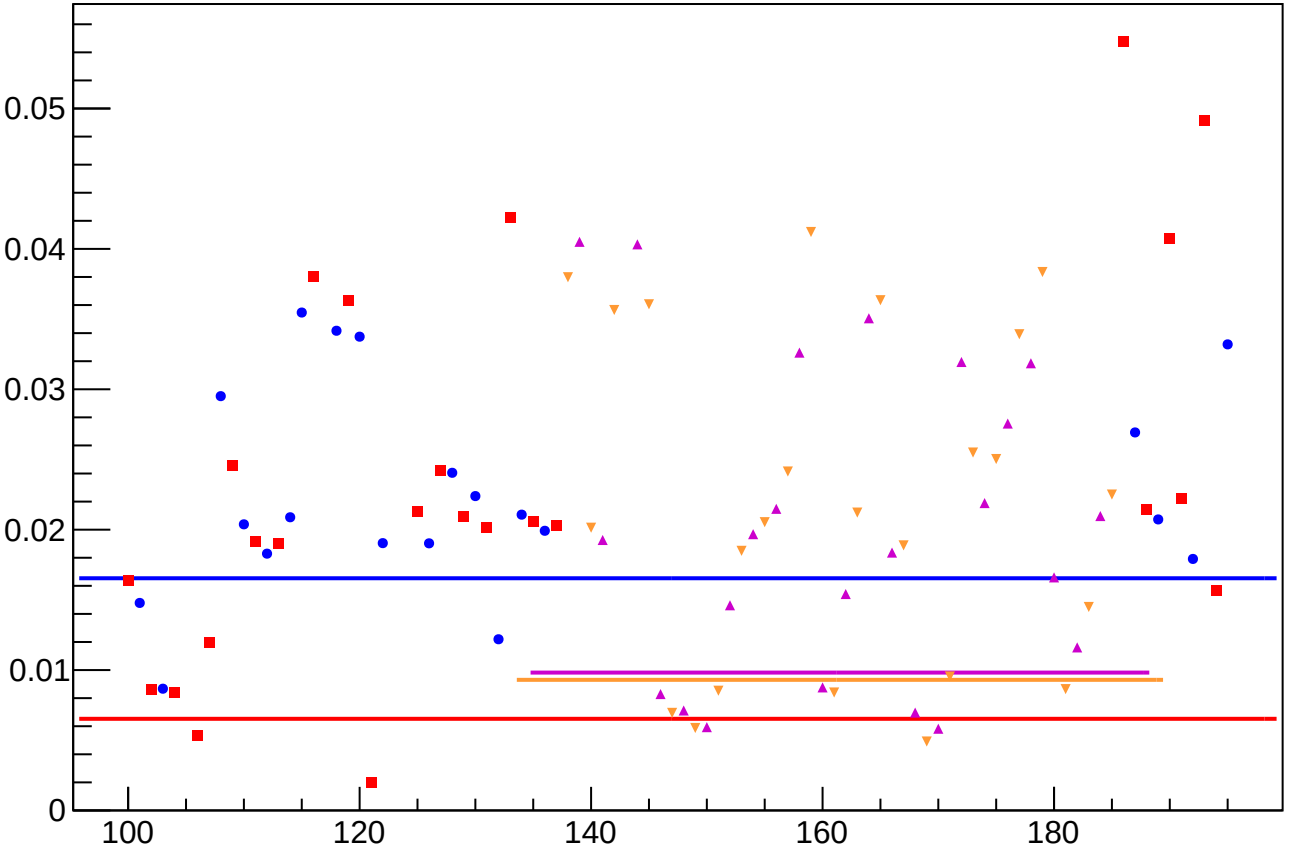
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.7/43

All: 0.000+/-0.000 χ^2/NDF: 117.3/90

- sign 0.000+/-0.000 χ^2/NDF: 48.9/46

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: 12114505.4/23

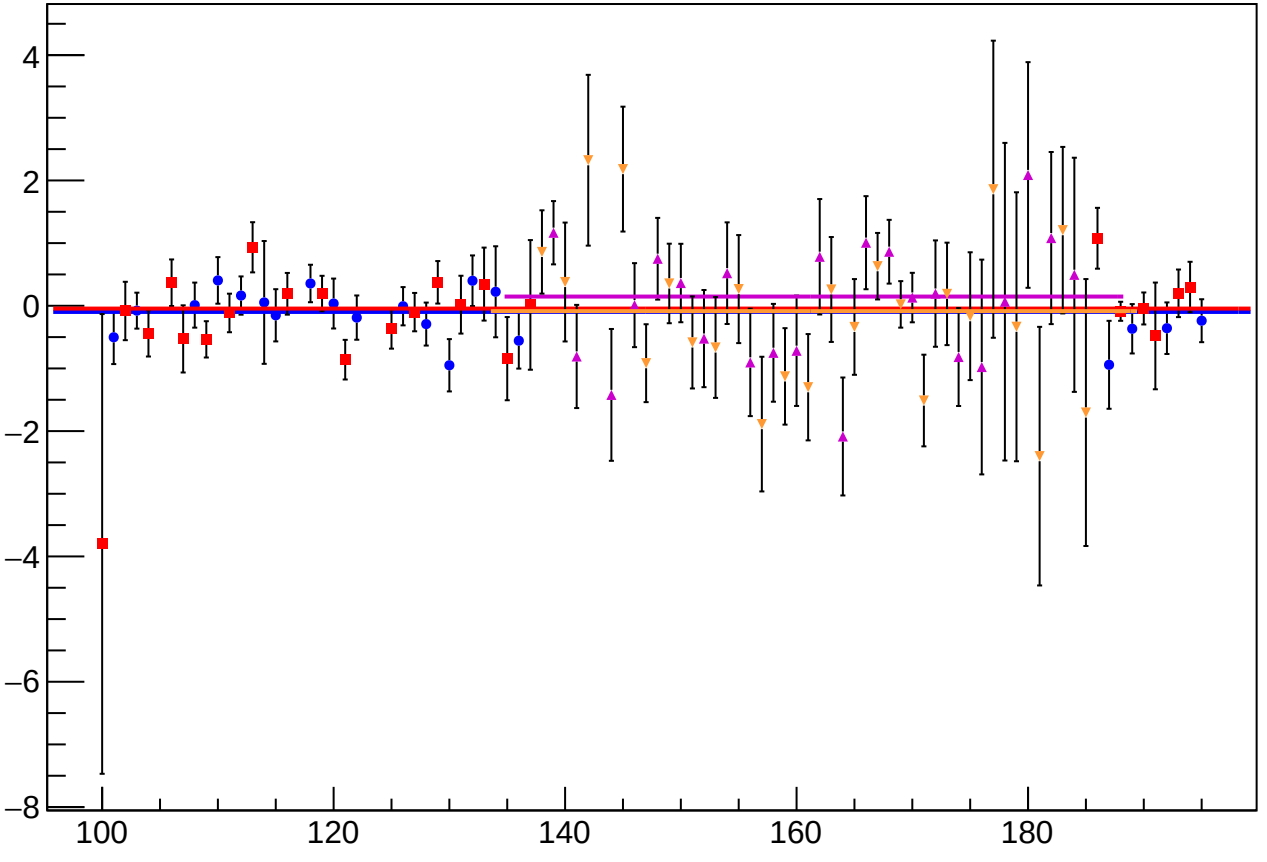
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17375174.6/43

All: 0.009+/-0.000 χ^2/NDF: 42022984.7/90

- sign 0.008+/-0.000 χ^2/NDF: 23629453.5/46

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

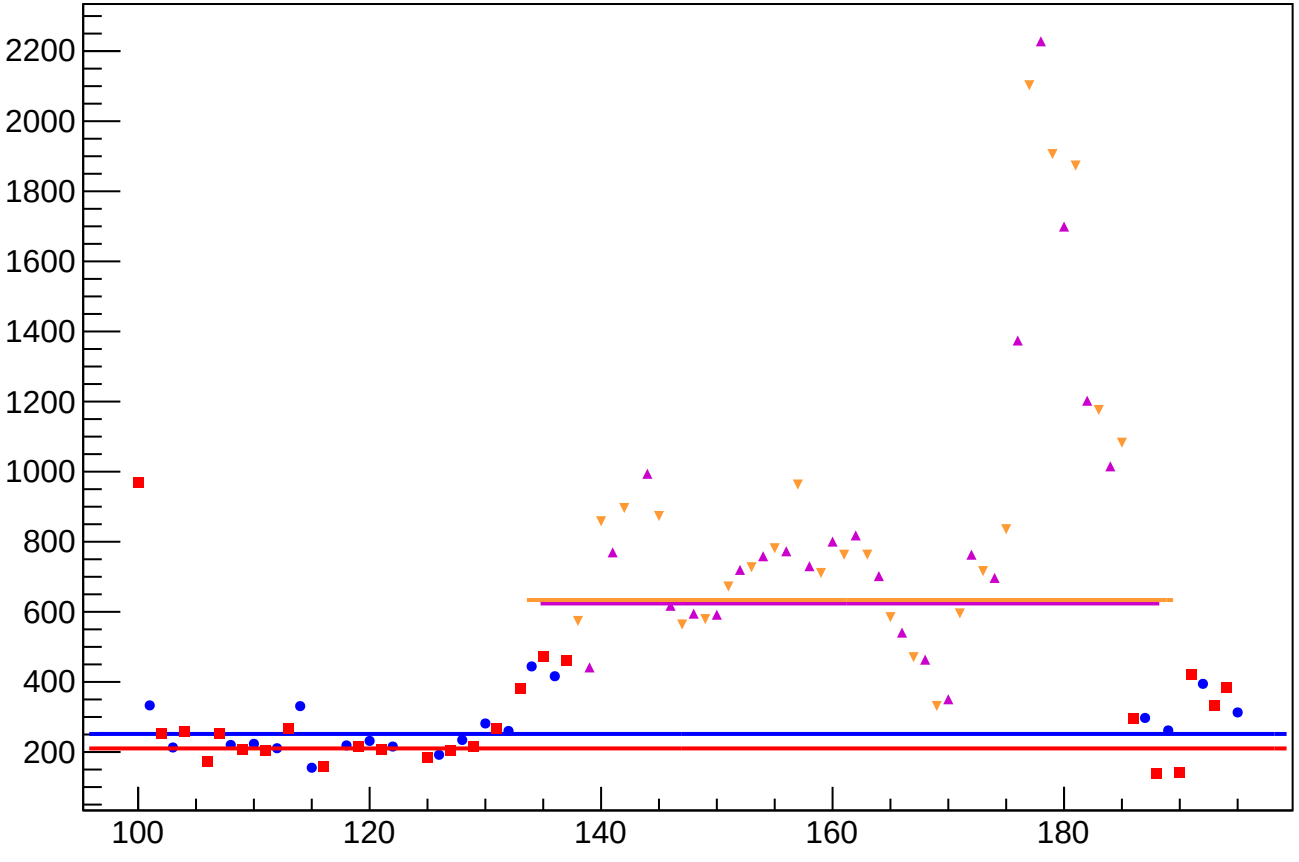
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.076 χ^2/NDF: 46.2/43

All: -0.048+/-0.049 χ^2/NDF: 106.9/90

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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

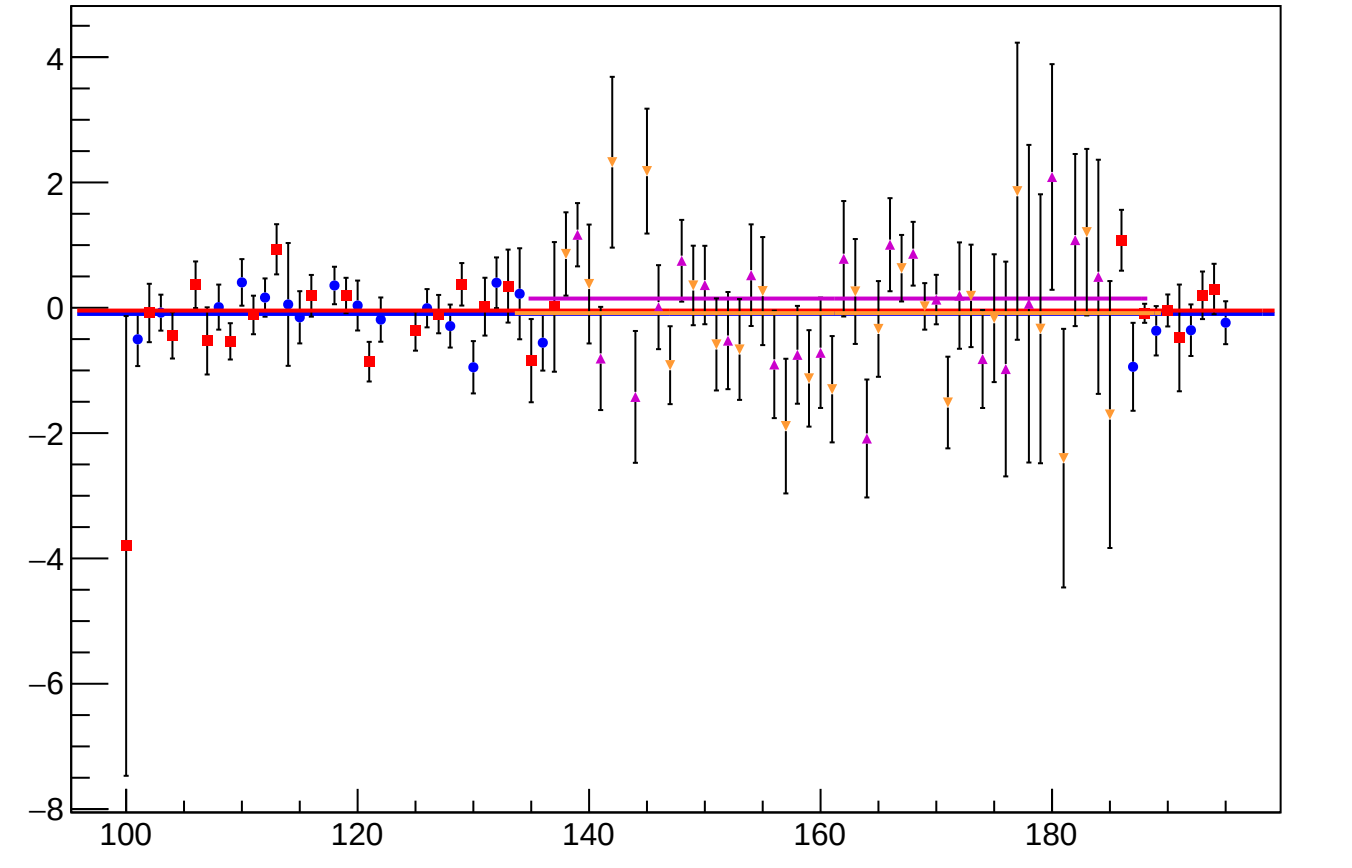
Right Out: 210.244+/-0.050 χ^2/NDF: 2262847.4/23

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 335.397+/-0.053 χ^2/NDF: 14904424.8/43

All: 302.680+/-0.035 χ^2/NDF: 33759184.5/90

- sign 278.903+/-0.046 χ^2/NDF: 18208091.0/46



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

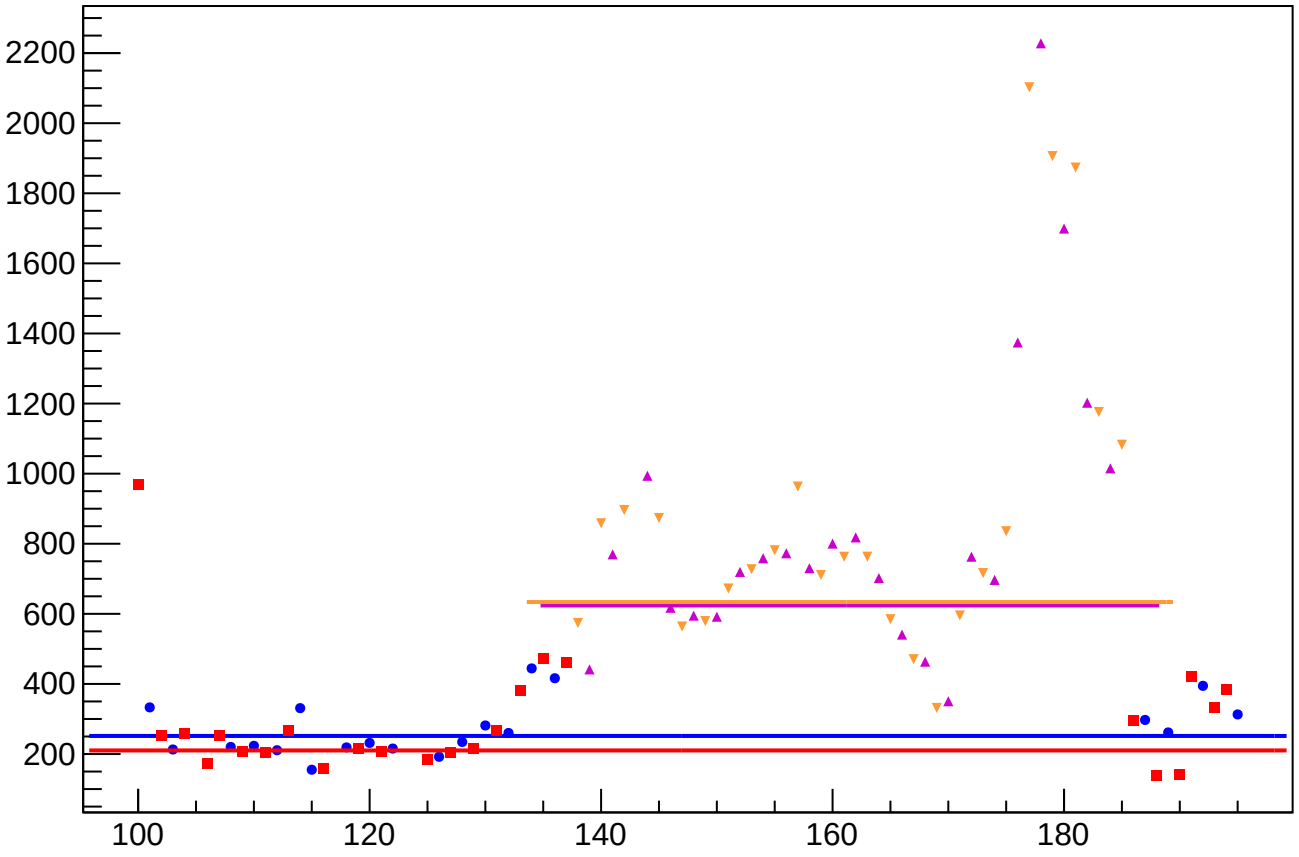
Right Out: -0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.076 χ^2/NDF: 46.2/43

All: -0.048+/-0.049 χ^2/NDF: 106.9/90

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46



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: 210.244+/-0.050 χ^2/NDF: 2262847.4/23

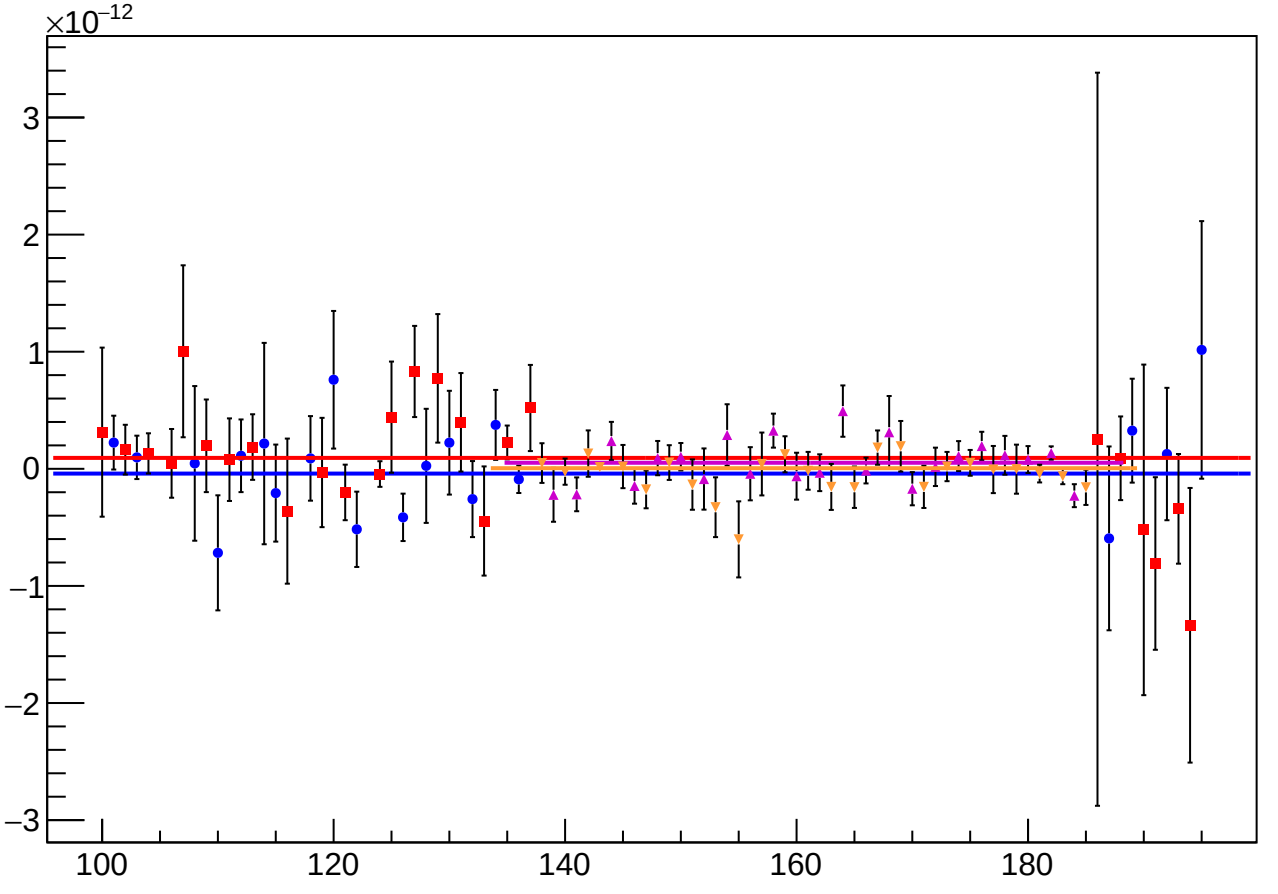
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 335.397+/-0.053 χ^2/NDF: 14904424.8/43

All: 302.680+/-0.035 χ^2/NDF: 33759184.5/90

- sign 278.903+/-0.046 χ^2/NDF: 18208091.0/46

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/24

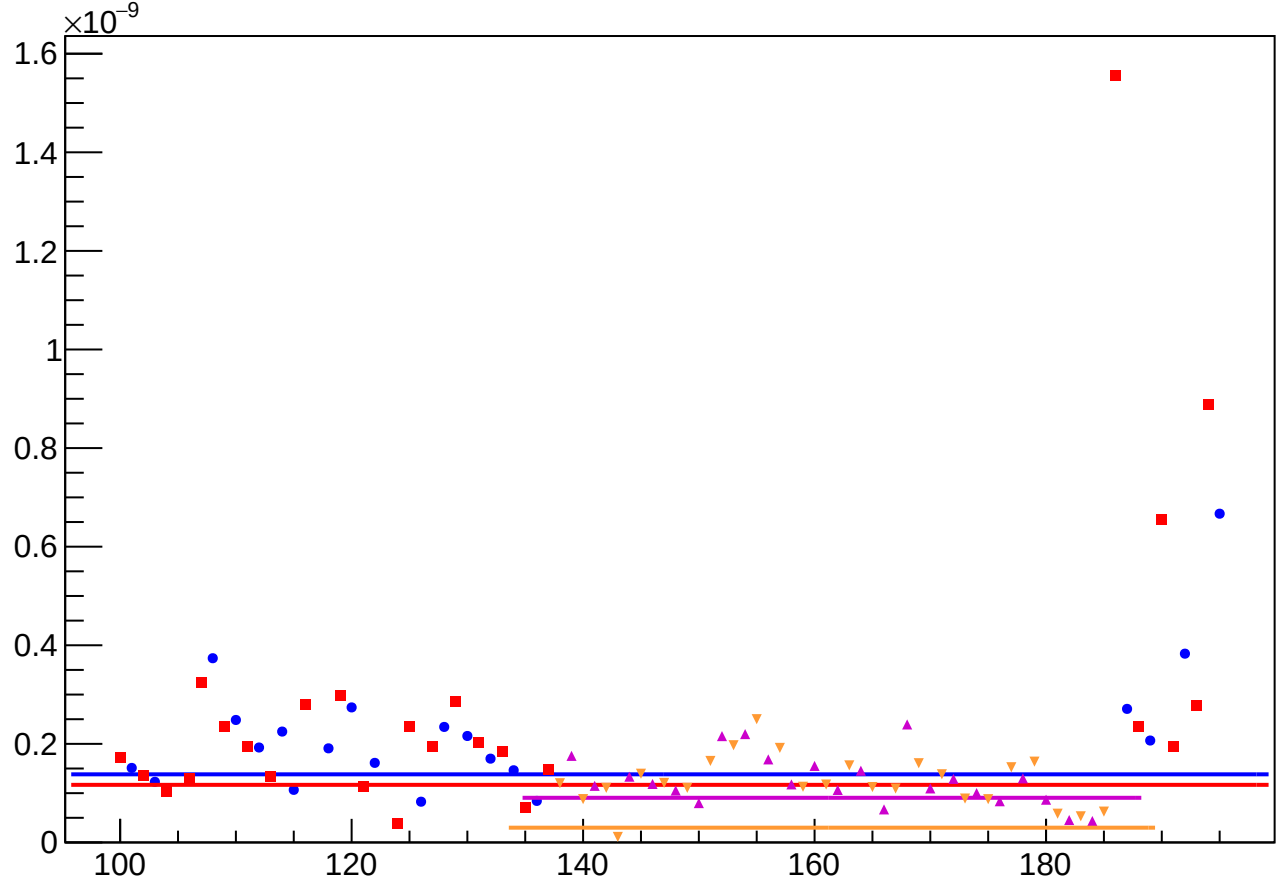
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/44

All: 0.000+/-0.000 χ^2/NDF: 90.4/92

- sign 0.000+/-0.000 χ^2/NDF: 53.2/47

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: 4770943.6/24

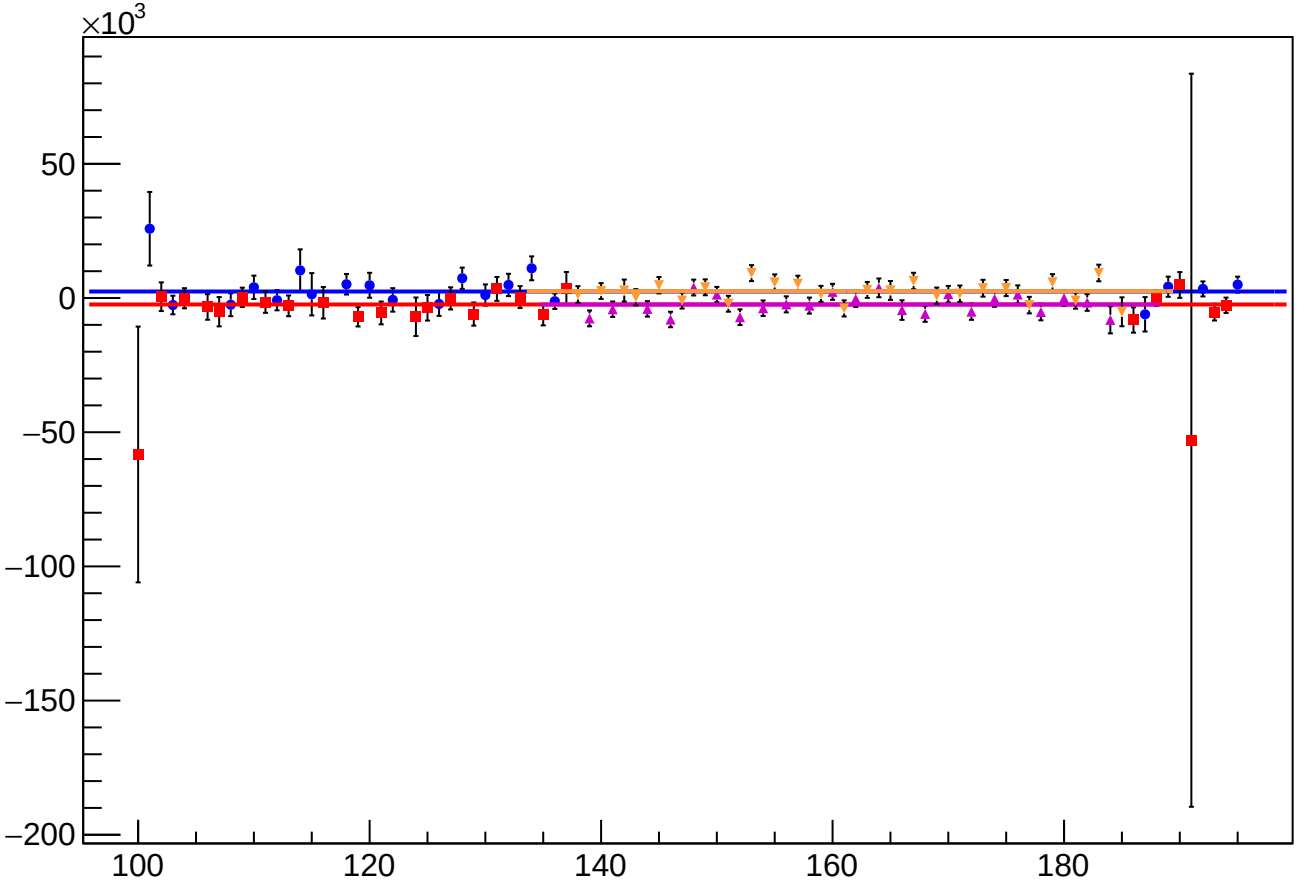
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24741560.3/44

All: 0.000+/-0.000 χ^2/NDF: 43824332.6/92

- sign 0.000+/-0.000 χ^2/NDF: 9825106.9/47

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: -2404.069+/-857.687 χ^2/NDF: 16.2/24

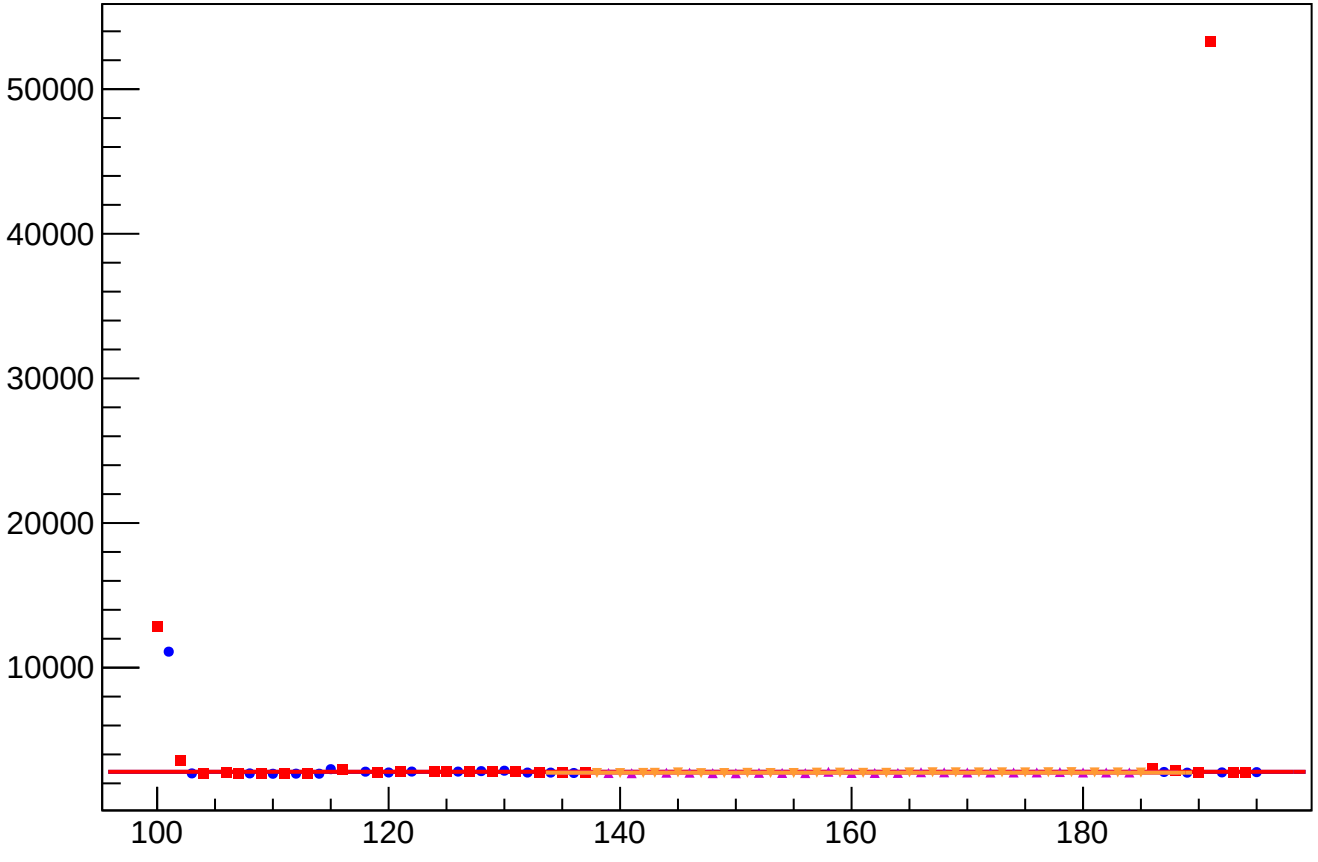
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.982+/-513.286 χ^2/NDF: 52.4/44

All: 52.733+/-362.774 χ^2/NDF: 146.0/92

- sign -2406.800+/-512.795 χ^2/NDF: 47.6/47

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: 2800.940+/-0.606 χ^2/NDF: 478364.7/24

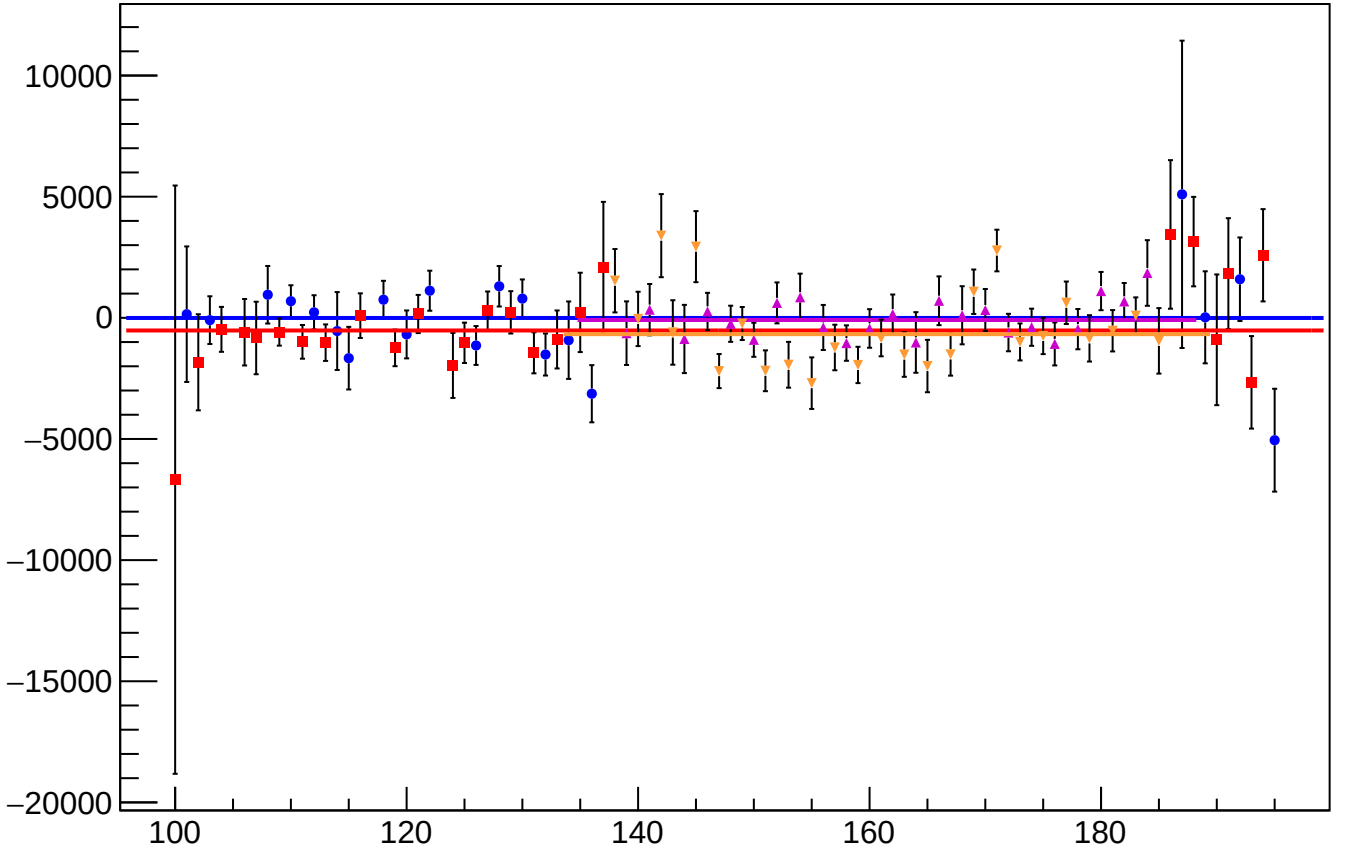
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.9/44

All: 2758.511+/-0.257 χ^2/NDF: 1243158.7/92

- sign 2761.696+/-0.363 χ^2/NDF: 488243.3/47

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: -522.270+/-209.785 χ^2/NDF: 20.1/24

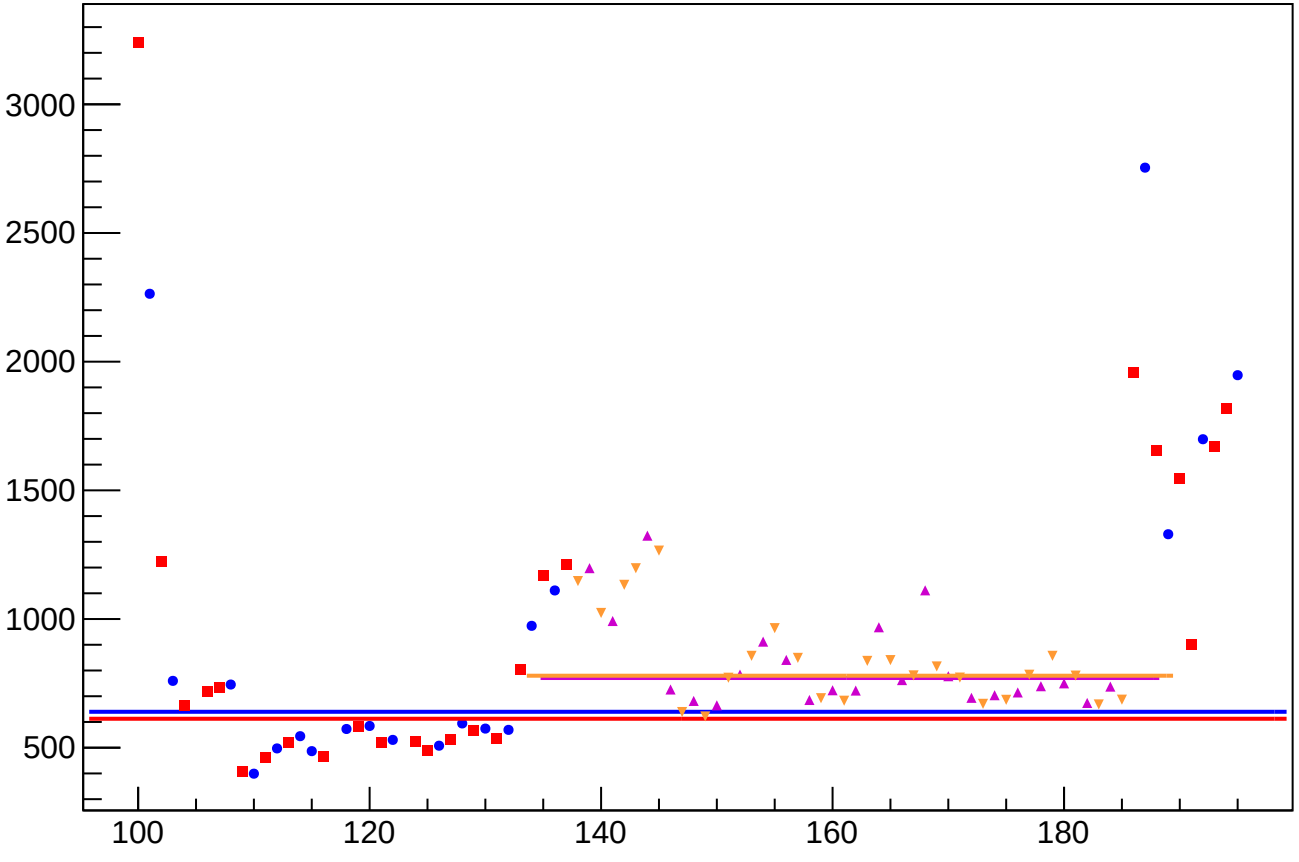
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -415.226+/-141.918 χ^2/NDF: 93.5/44

All: -344.282+/-98.979 χ^2/NDF: 131.3/92

- sign -277.090+/-138.114 χ^2/NDF: 37.3/47

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

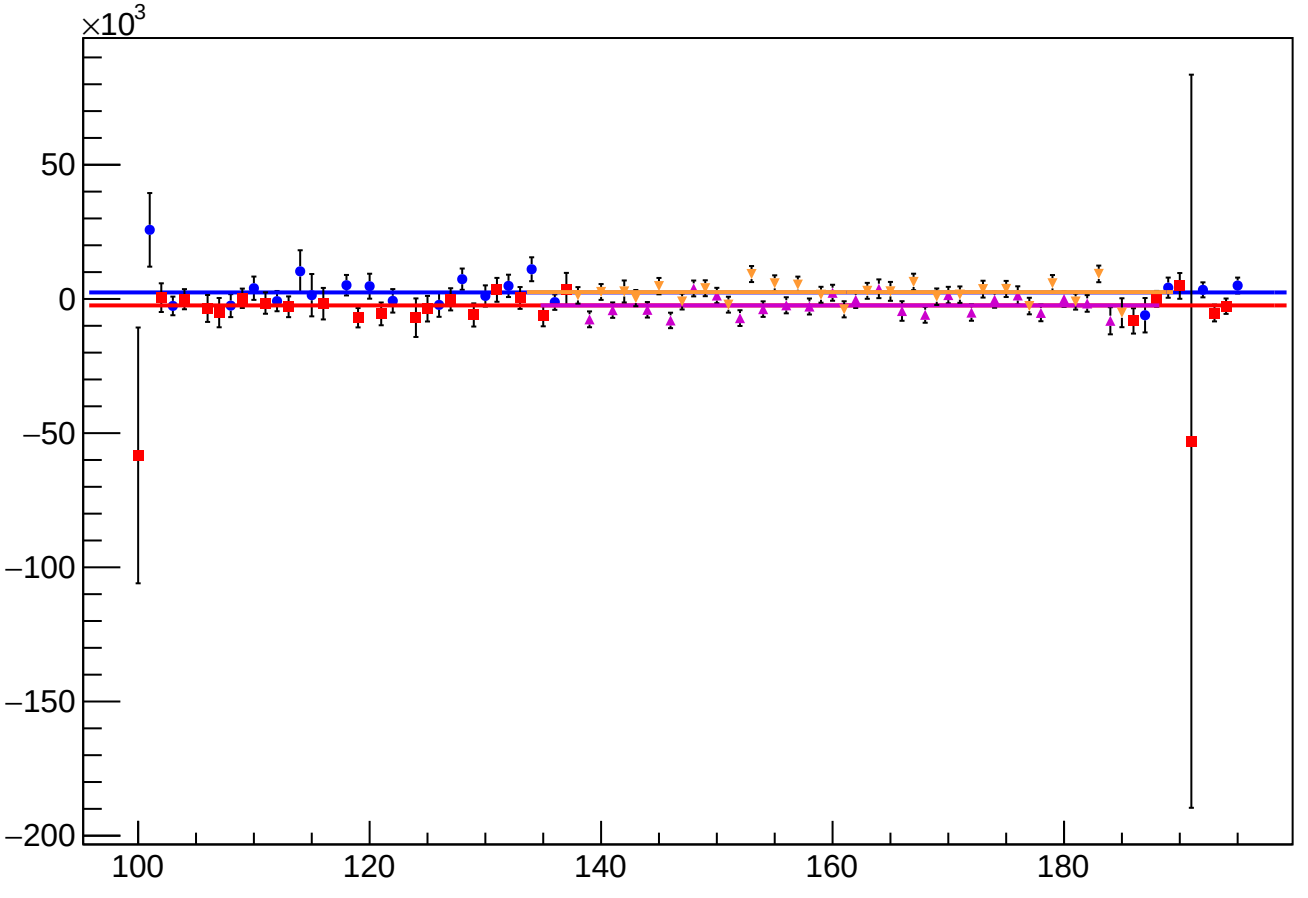
Right Out: 612.481+/-0.148 χ^2/NDF: 3970922.3/24

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 725.507+/-0.100 χ^2/NDF: 5360062.6/44

All: 713.524+/-0.070 χ^2/NDF: 11080409.0/92

- sign 702.175+/-0.098 χ^2/NDF: 5692583.6/47



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: -2408.128+/-859.041 χ^2/NDF: 16.2/24

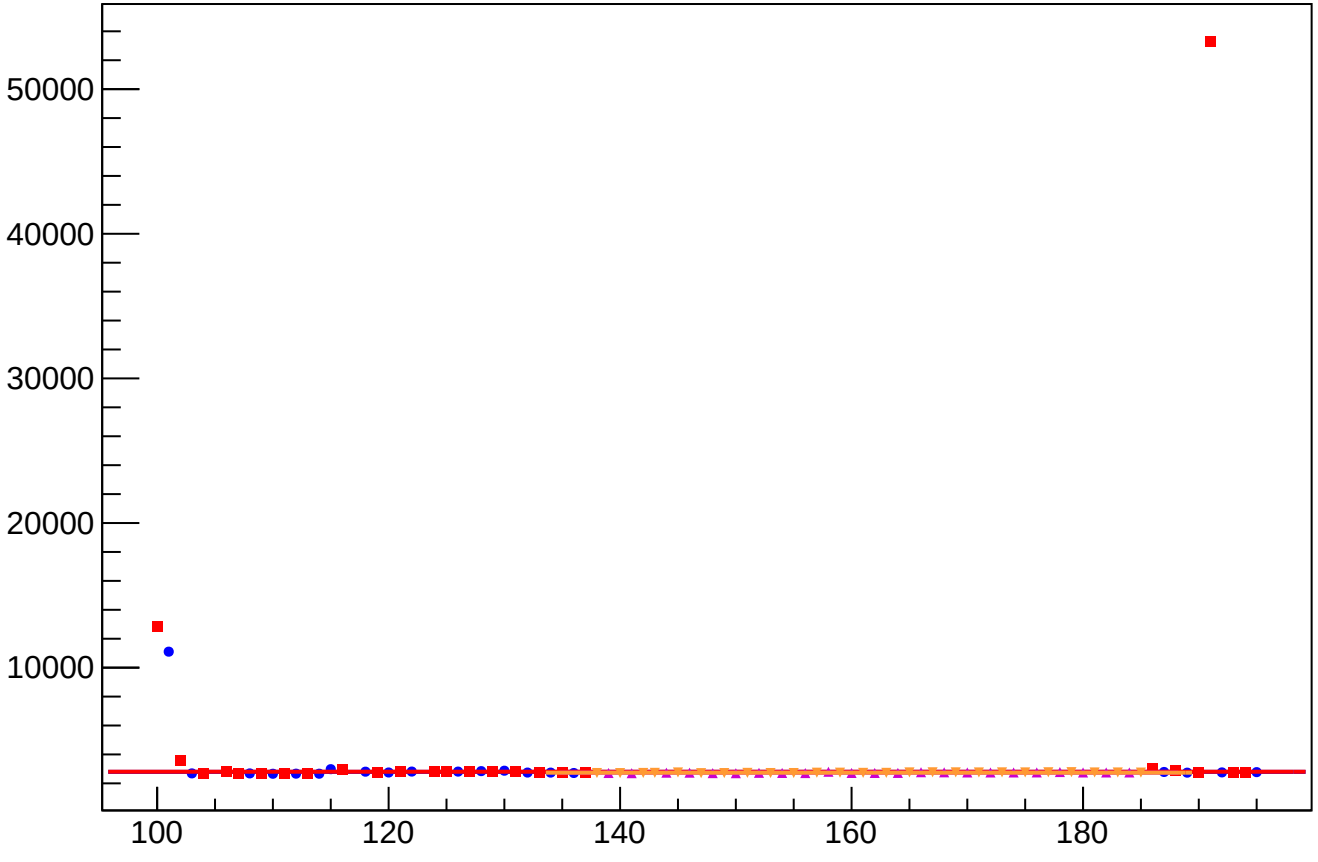
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.797+/-513.286 χ^2/NDF: 52.4/44

All: 53.256+/-362.877 χ^2/NDF: 146.0/92

- sign -2408.343+/-513.084 χ^2/NDF: 47.6/47

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: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

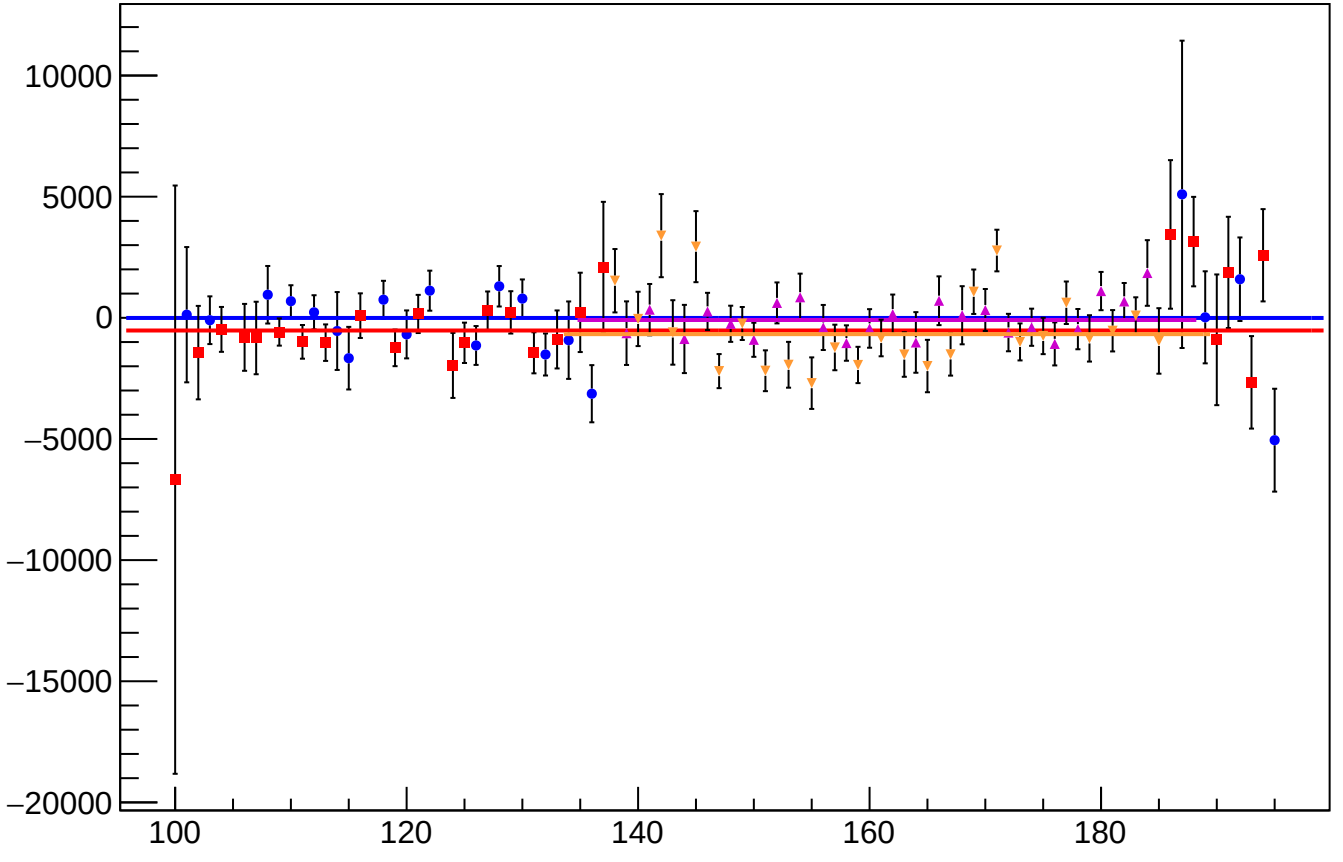
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.0/44

All: 2759.146+/-0.257 χ^2/NDF: 1243543.3/92

- sign 2762.970+/-0.363 χ^2/NDF: 488561.1/47

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: -523.112+/-209.749 χ^2/NDF: 20.0/24

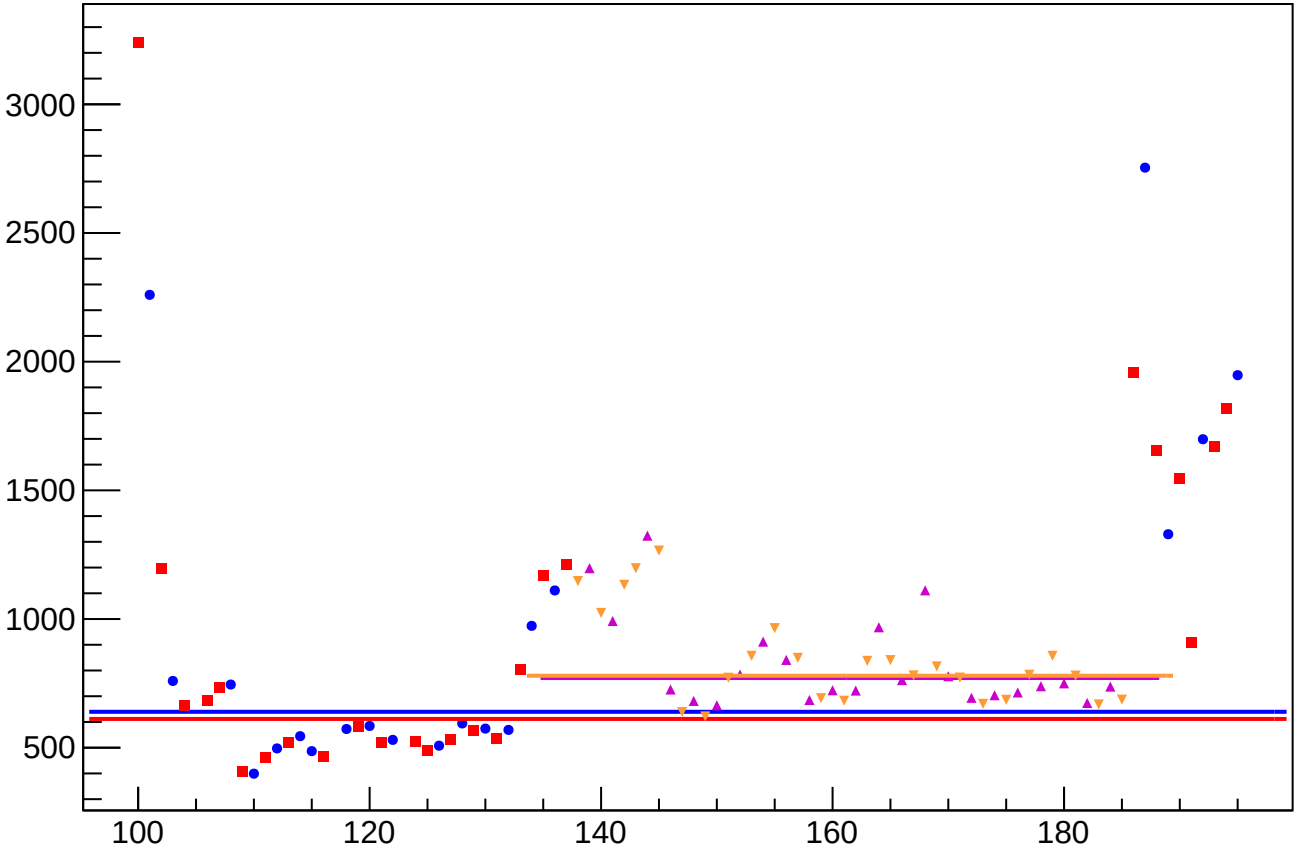
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -415.170+/-141.916 χ^2/NDF: 93.5/44

All: -344.494+/-98.975 χ^2/NDF: 131.2/92

- sign -277.563+/-138.104 χ^2/NDF: 37.2/47

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: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

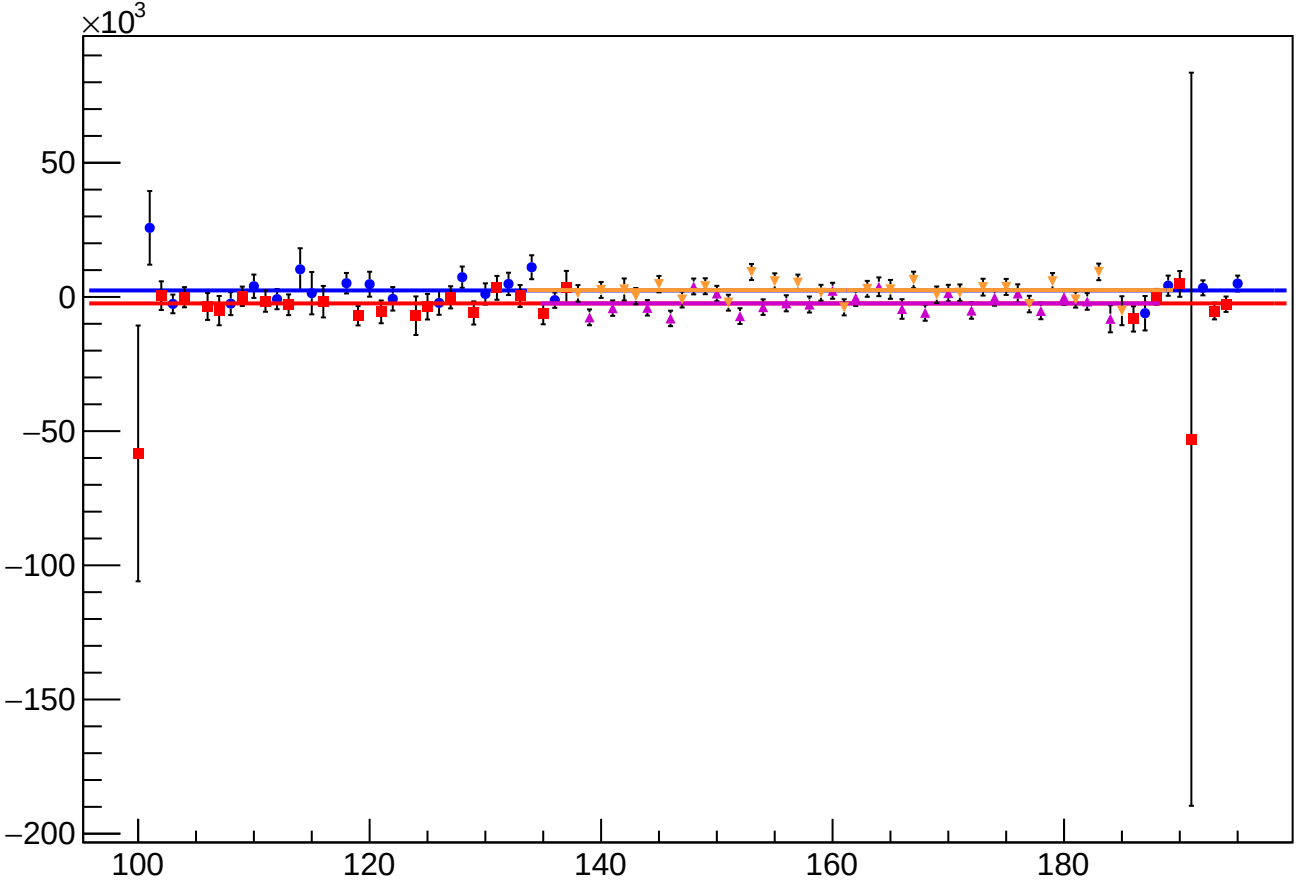
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 725.500+/-0.100 χ^2/NDF: 5359169.5/44

All: 713.361+/-0.070 χ^2/NDF: 11075849.6/92

- sign 701.865+/-0.098 χ^2/NDF: 5688187.9/47

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: -2408.128+/-859.041 χ^2/NDF: 16.2/24

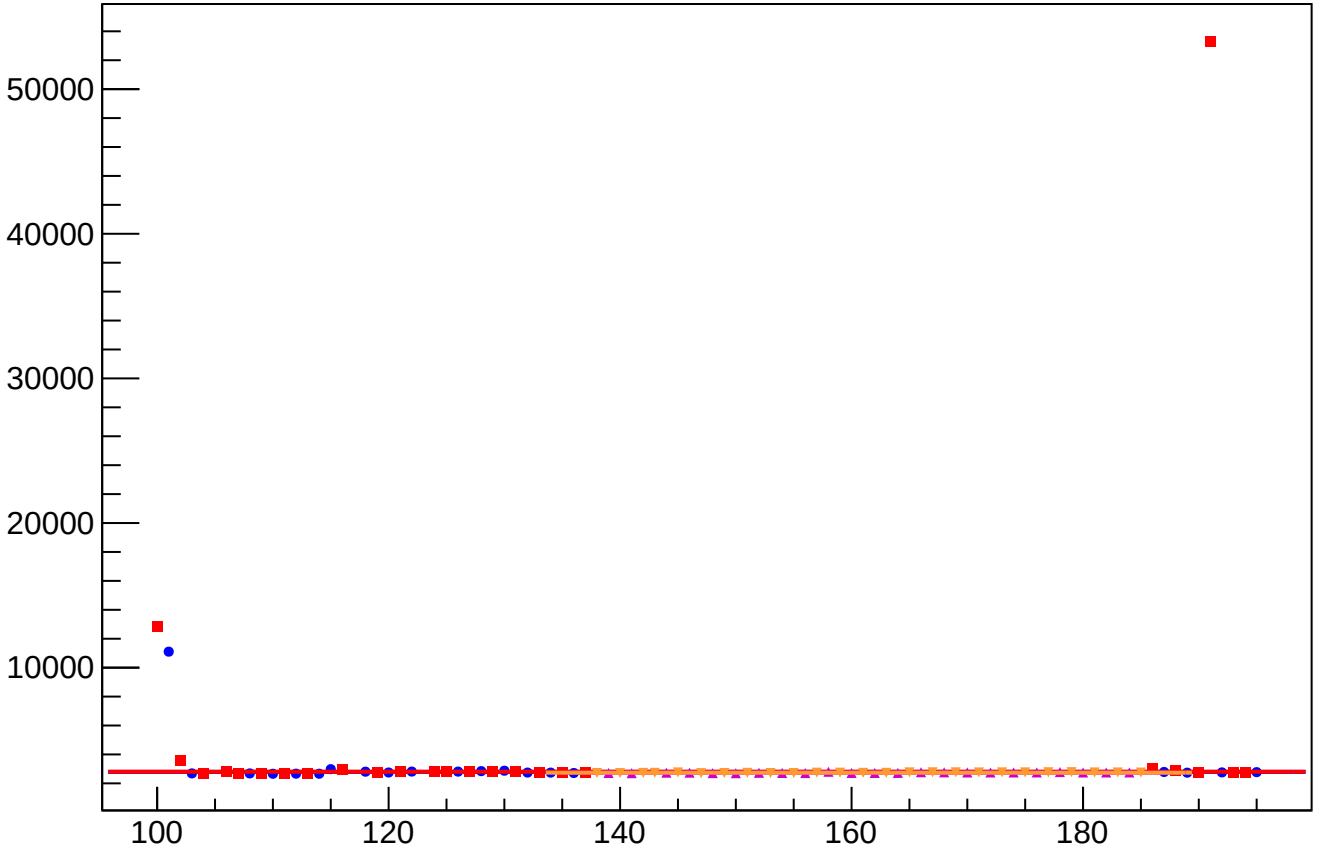
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2516.797+/-513.286 χ^2/NDF: 52.4/44

All: 53.256+/-362.877 χ^2/NDF: 146.0/92

- sign -2408.343+/-513.084 χ^2/NDF: 47.6/47

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: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

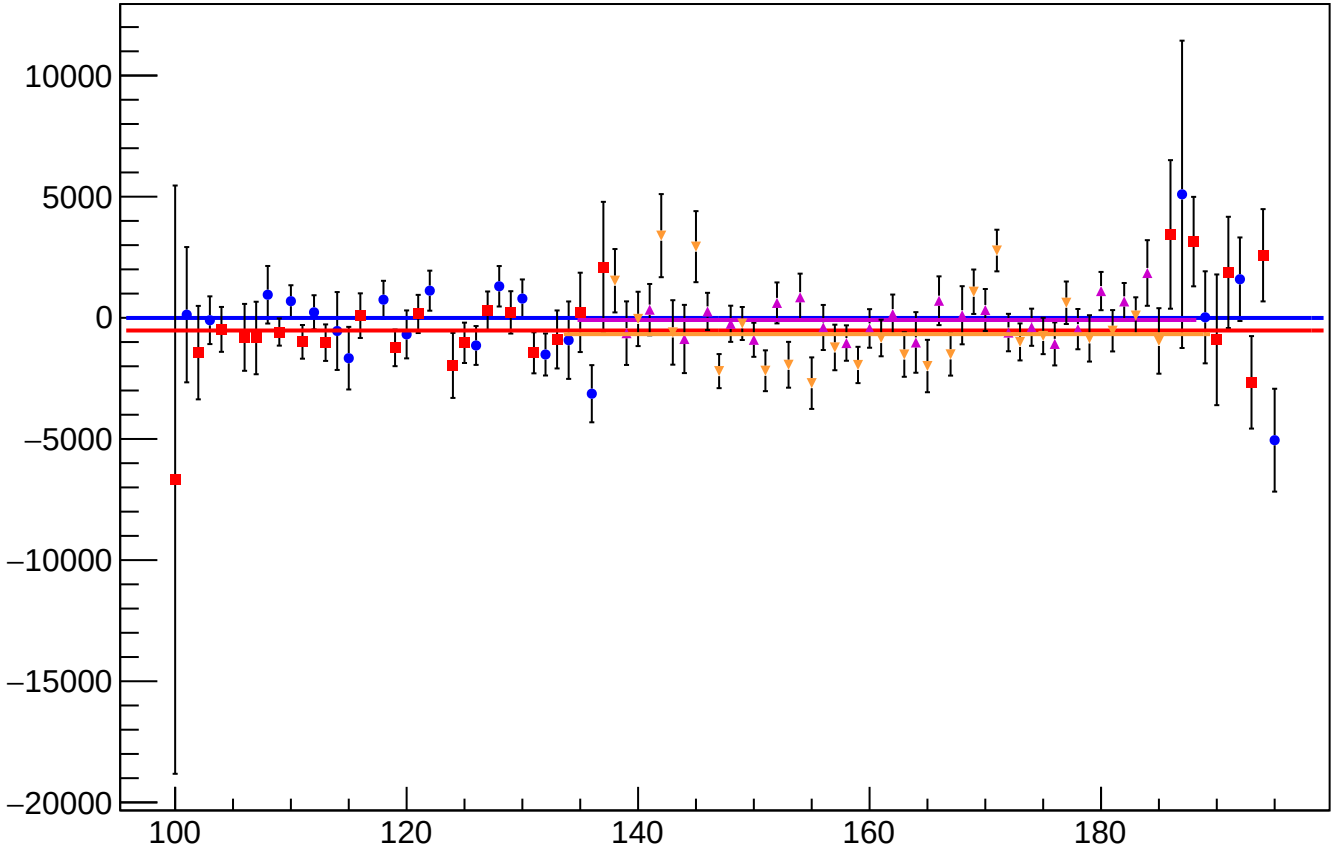
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.320+/-0.363 χ^2/NDF: 754760.0/44

All: 2759.146+/-0.257 χ^2/NDF: 1243543.3/92

- sign 2762.970+/-0.363 χ^2/NDF: 488561.1/47

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: -523.112+/-209.749 χ^2/NDF: 20.0/24

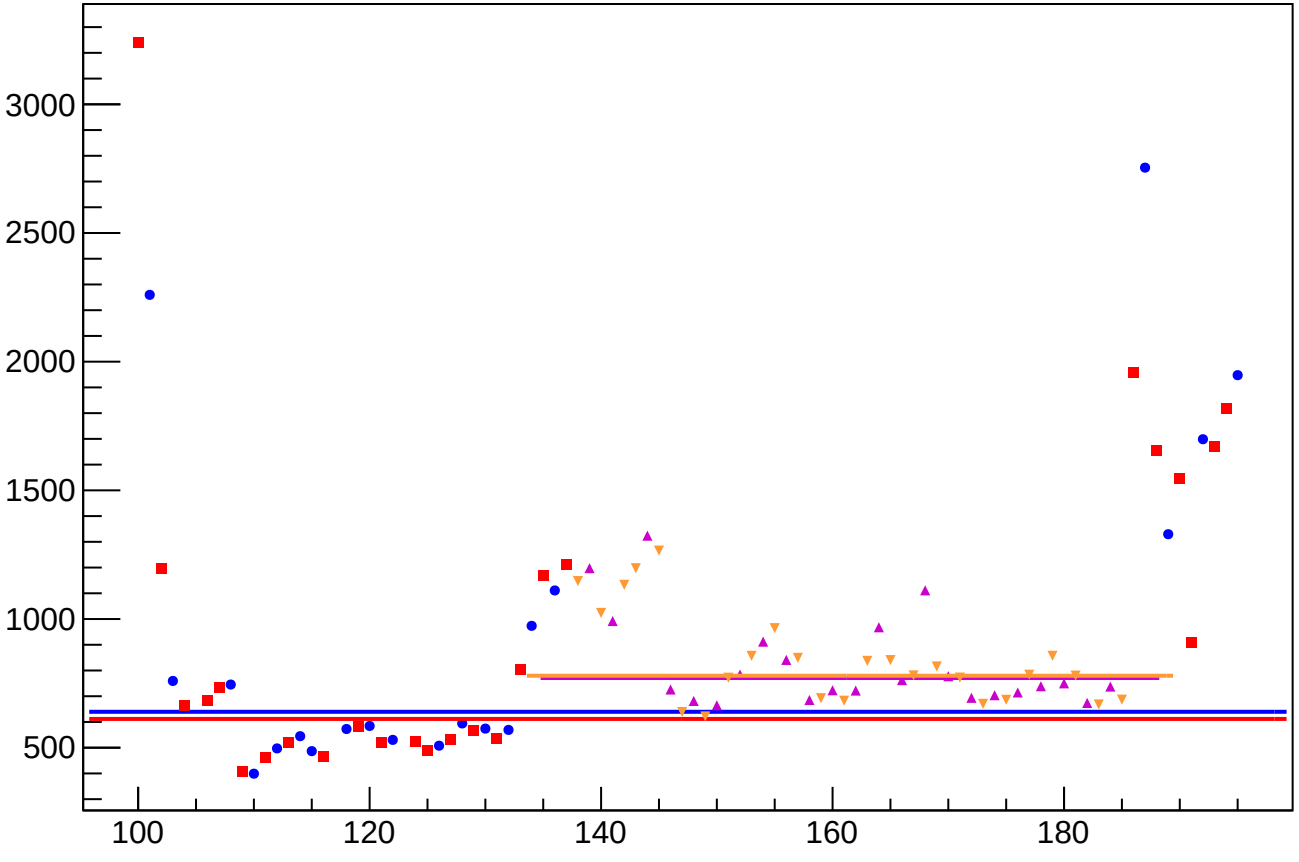
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -415.170+/-141.916 χ^2/NDF: 93.5/44

All: -344.494+/-98.975 χ^2/NDF: 131.2/92

- sign -277.563+/-138.104 χ^2/NDF: 37.2/47

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: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

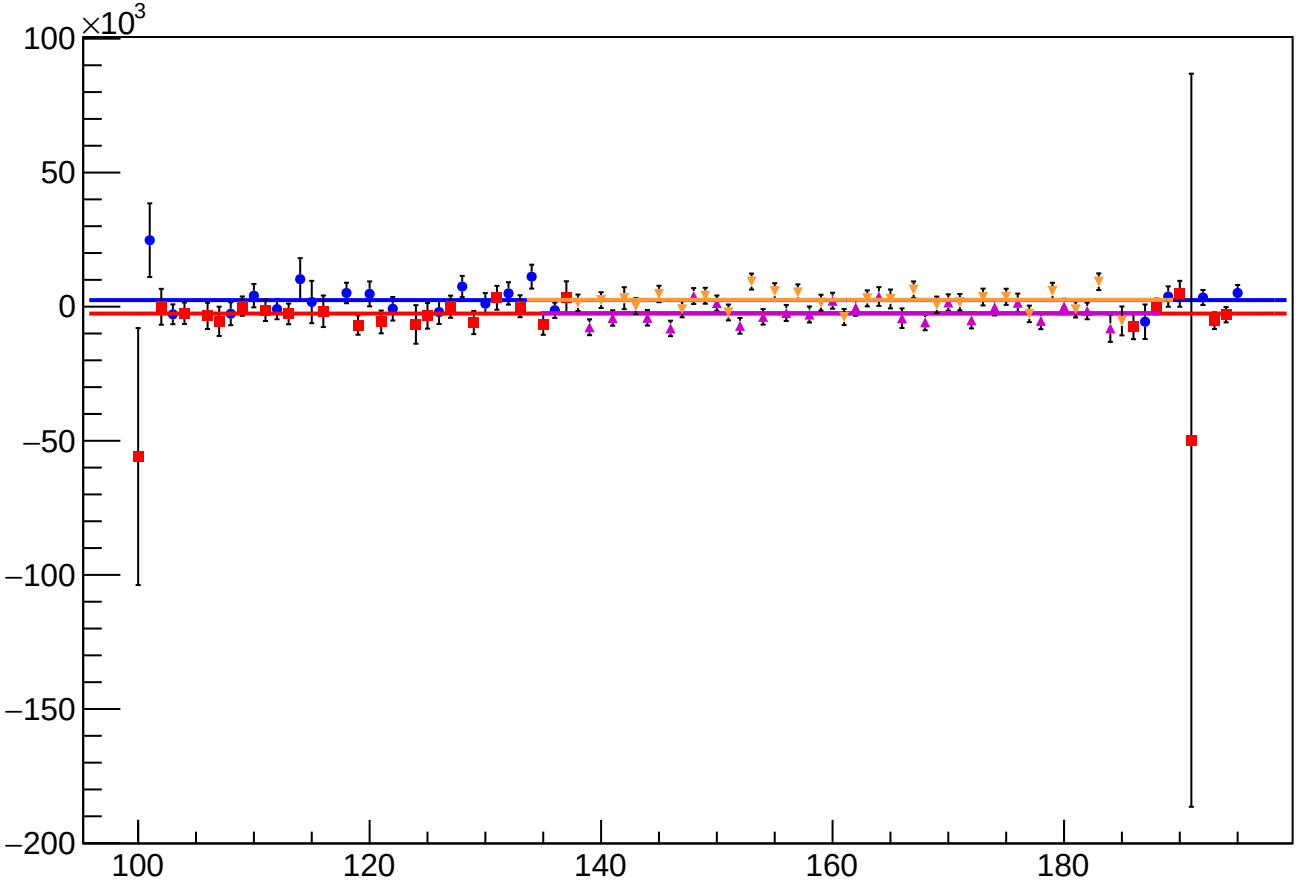
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 725.500+/-0.100 χ^2/NDF: 5359169.5/44

All: 713.361+/-0.070 χ^2/NDF: 11075849.6/92

- sign 701.865+/-0.098 χ^2/NDF: 5688187.9/47

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: -2570.566+/-866.532 χ^2/NDF: 15.0/24

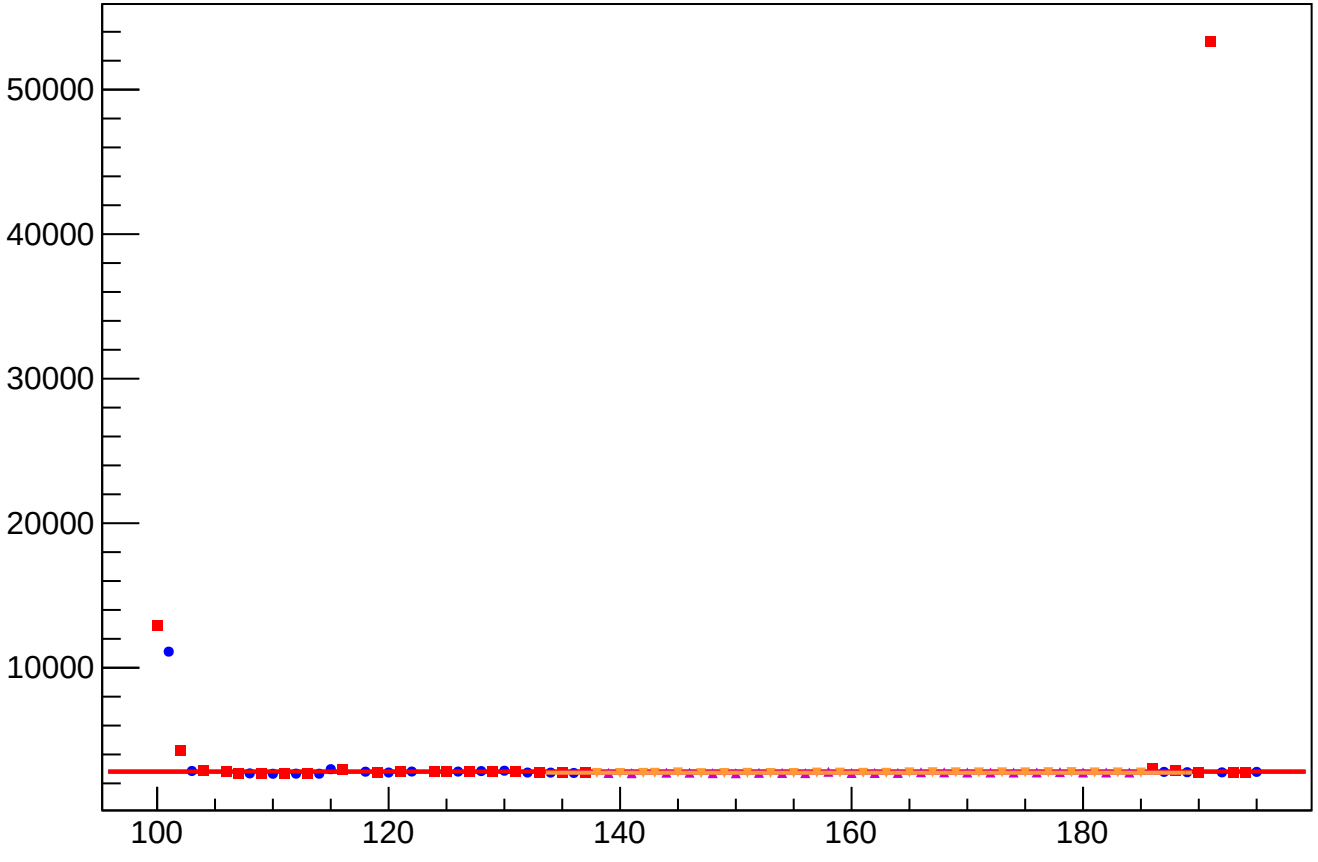
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2513.732+/-514.520 χ^2/NDF: 52.5/44

All: 26.151+/-363.938 χ^2/NDF: 146.1/92

- sign -2464.650+/-514.853 χ^2/NDF: 46.8/47

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: 2820.493+/-0.613 χ^2/NDF: 531239.0/24

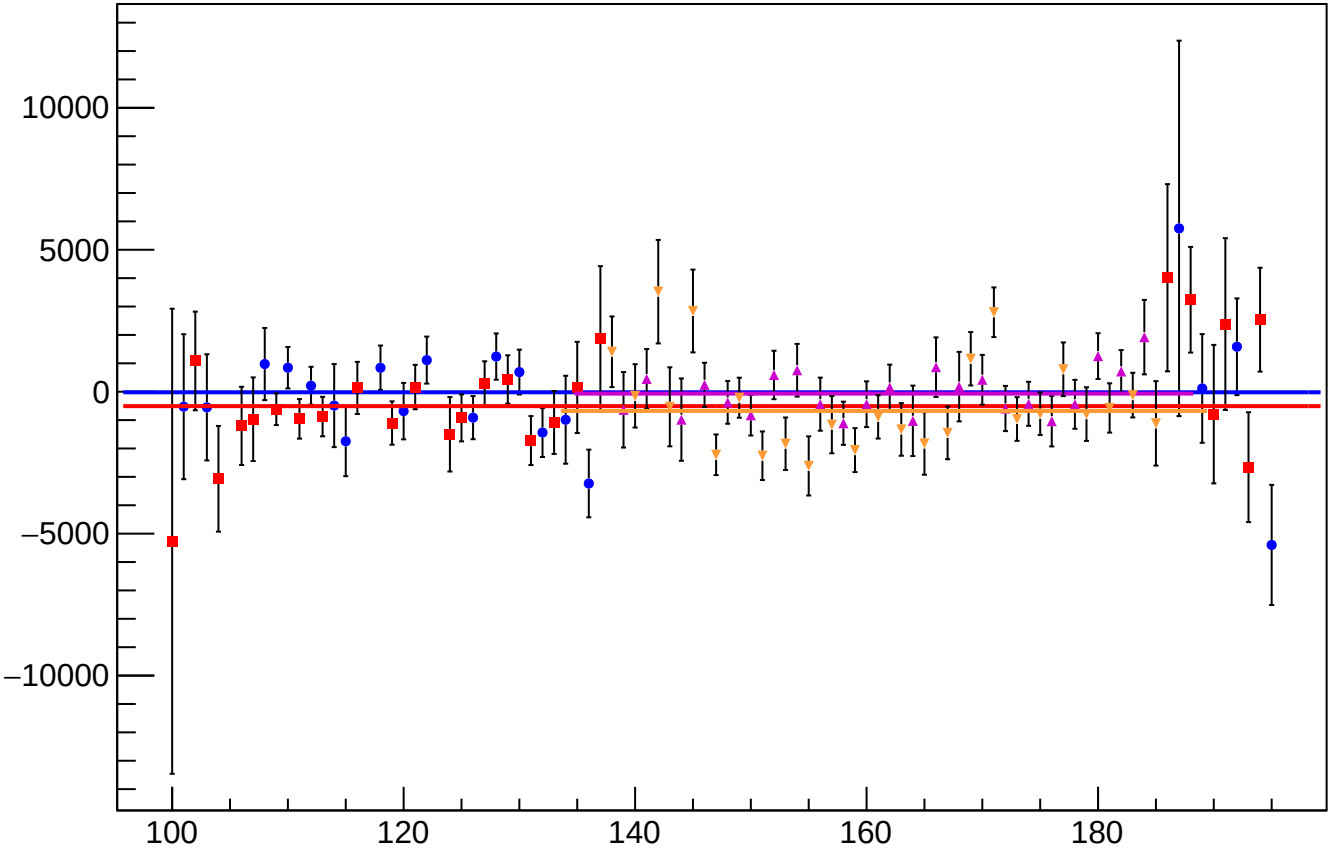
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2761.899+/-0.364 χ^2/NDF: 755727.4/44

All: 2765.605+/-0.257 χ^2/NDF: 1301326.5/92

- sign 2769.315+/-0.364 χ^2/NDF: 545391.4/47

asym_atr1_dit_correction_mean vs Slug



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: -508.601+/-211.090 χ^2/NDF: 23.2/24

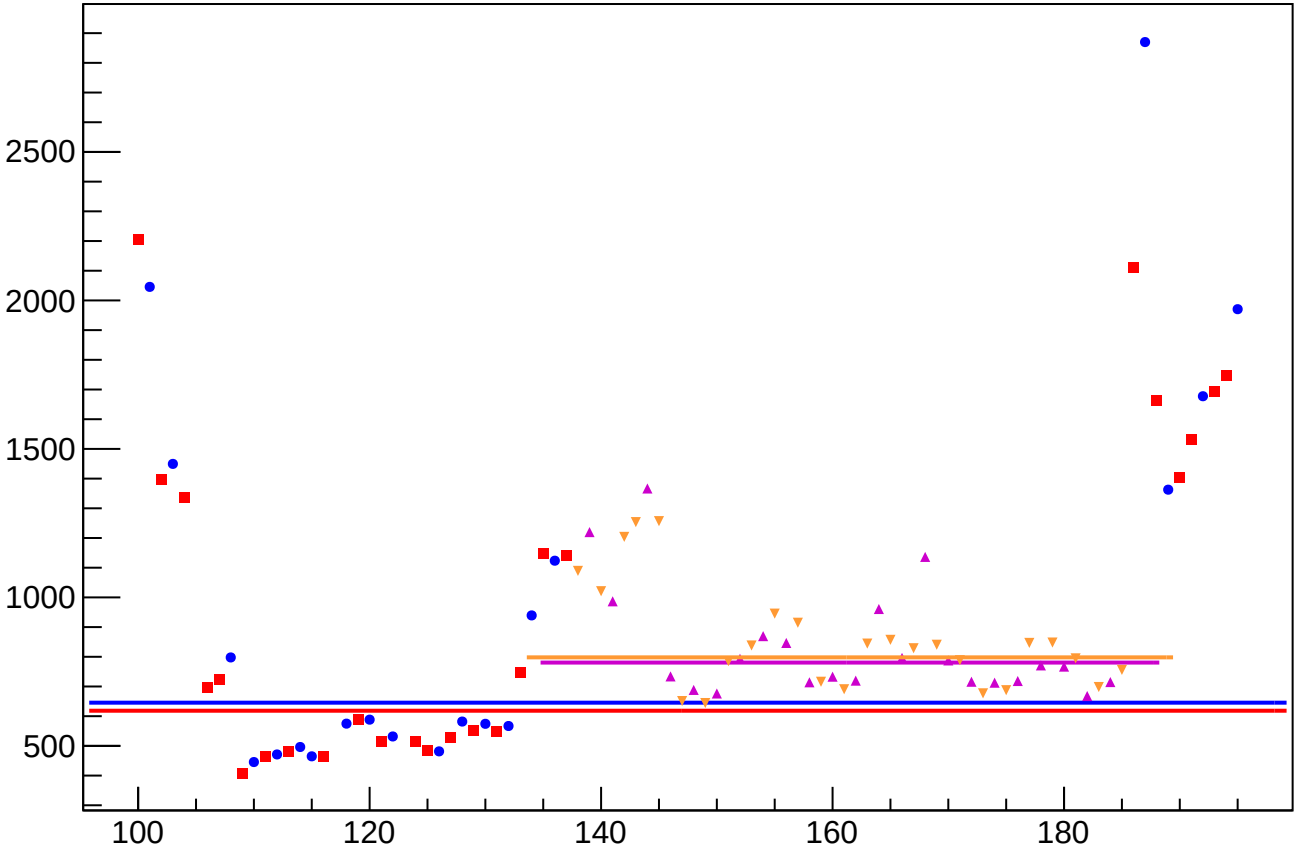
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -422.197+/-144.615 χ^2/NDF: 92.1/44

All: -337.780+/-100.332 χ^2/NDF: 134.3/92

- sign -259.437+/-139.315 χ^2/NDF: 41.5/47

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: 618.406+/-0.149 χ^2/NDF: 4594745.5/24

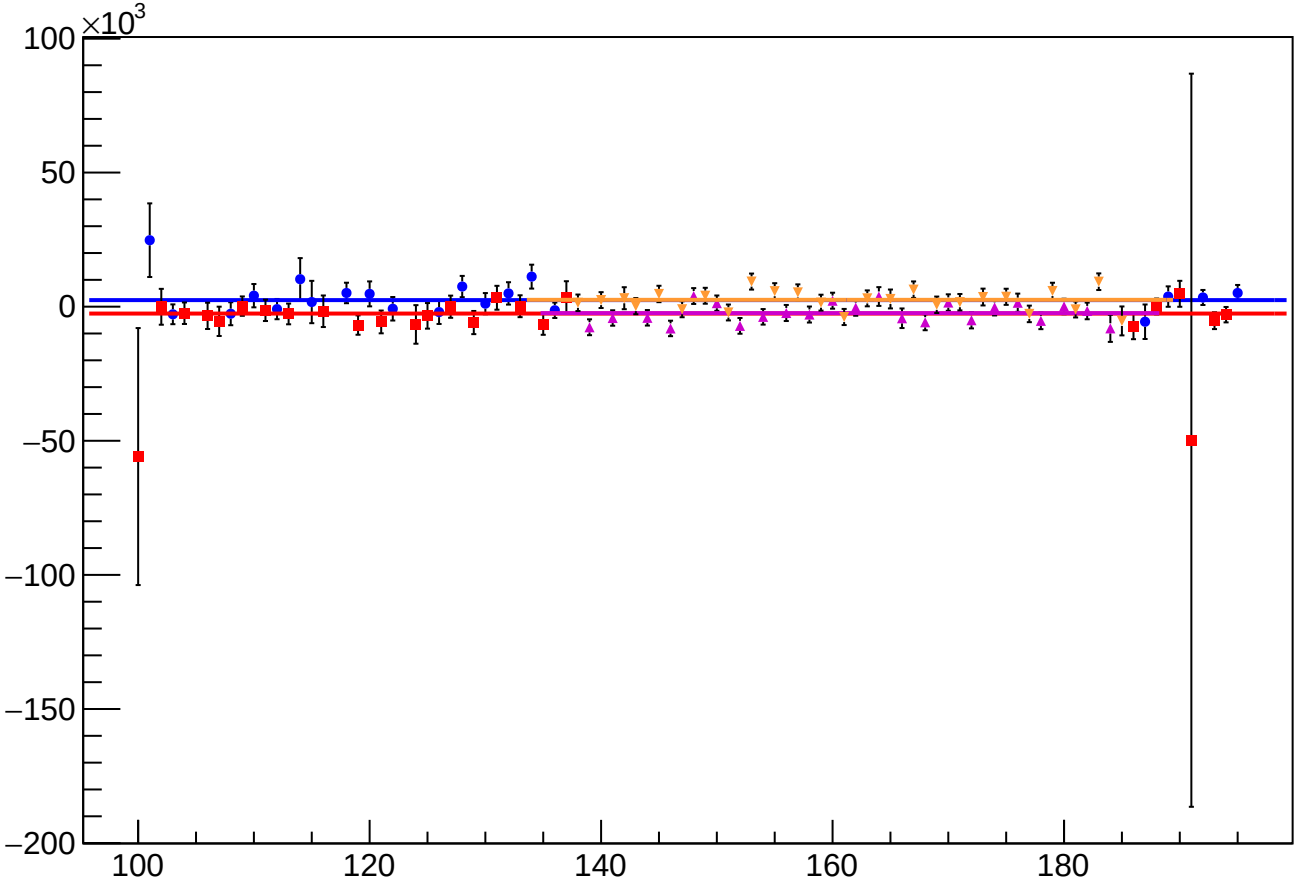
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 738.742+/-0.102 χ^2/NDF: 5666885.5/44

All: 723.789+/-0.071 χ^2/NDF: 12033529.5/92

- sign 709.911+/-0.099 χ^2/NDF: 6325414.3/47

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: -2570.562+/-866.532 χ^2/NDF: 15.0/24

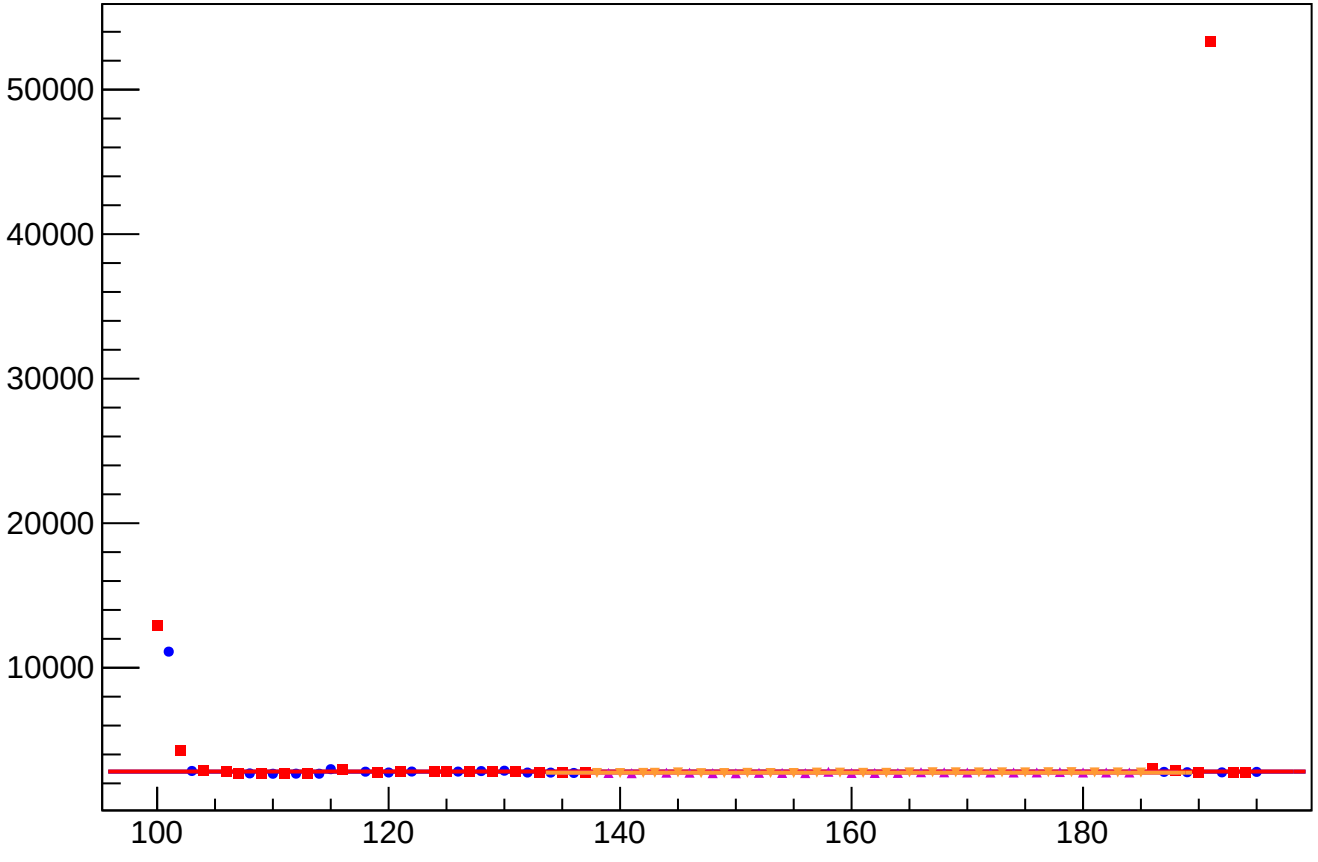
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2513.732+/-514.520 χ^2/NDF: 52.5/44

All: 26.152+/-363.938 χ^2/NDF: 146.1/92

- sign -2464.648+/-514.853 χ^2/NDF: 46.8/47

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

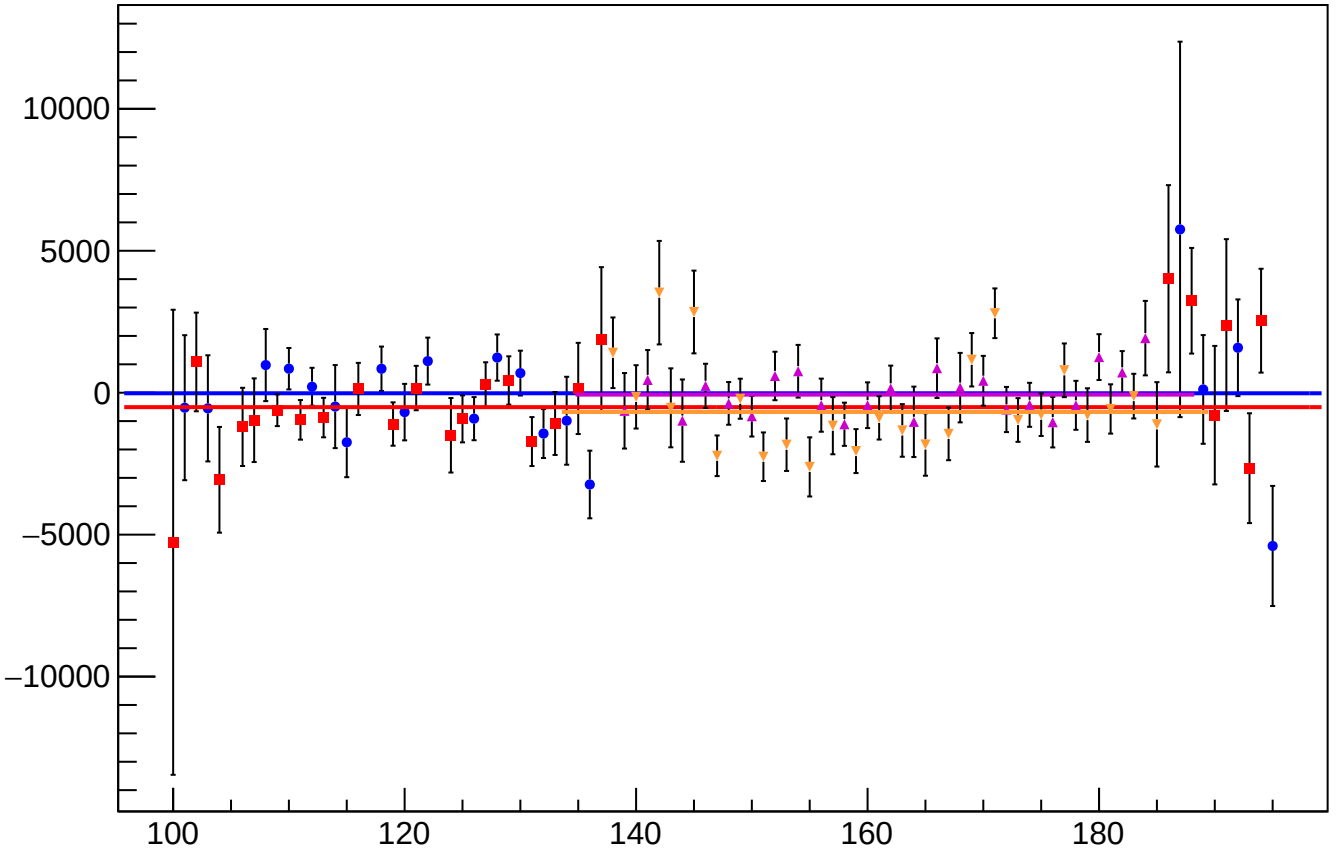
Right Out: 2820.493+/-0.613 χ^2/NDF: 531238.8/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2761.899+/-0.364 χ^2/NDF: 755727.4/44

All: 2765.605+/-0.257 χ^2/NDF: 1301326.3/92

- sign 2769.315+/-0.364 χ^2/NDF: 545391.2/47



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: -508.601+/-211.090 χ^2/NDF: 23.2/24

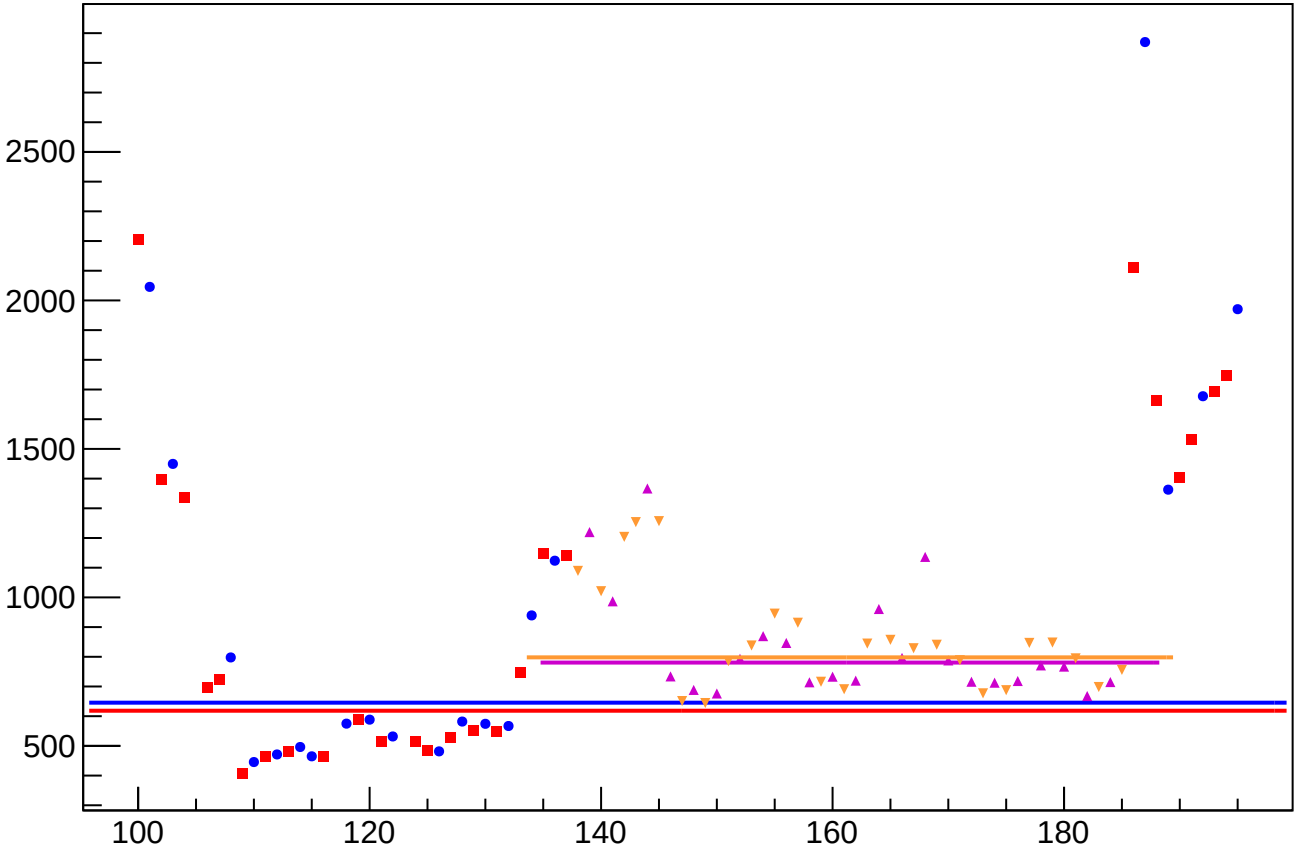
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -422.197+/-144.615 χ^2/NDF: 92.1/44

All: -337.780+/-100.332 χ^2/NDF: 134.3/92

\- sign -259.437+/-139.315 χ^2/NDF: 41.5/47

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: 618.406+/-0.149 χ^2/NDF: 4594745.0/24

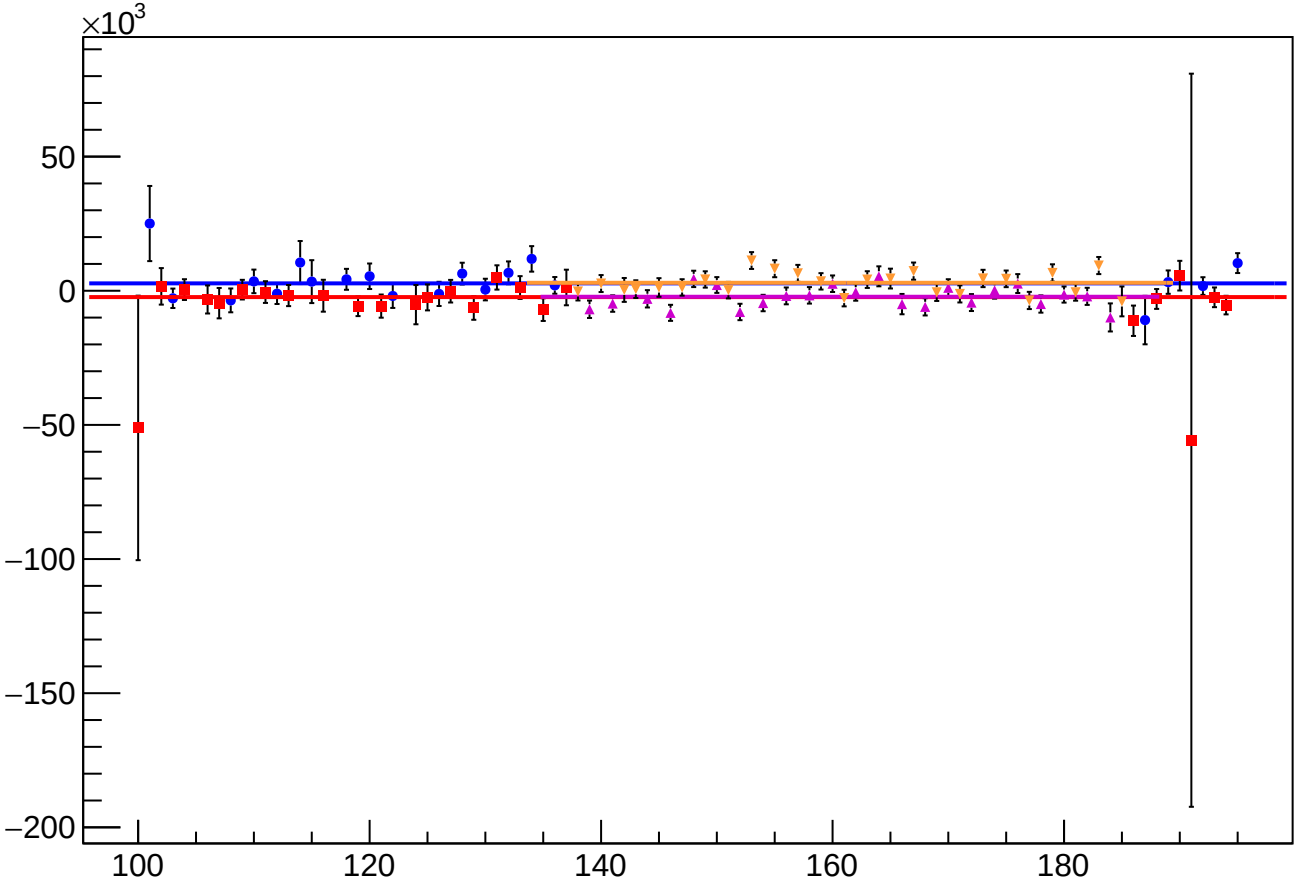
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 738.742+/-0.102 χ^2/NDF: 5666879.2/44

All: 723.789+/-0.071 χ^2/NDF: 12033524.0/92

- sign 709.911+/-0.099 χ^2/NDF: 6325414.5/47

asym_atr1_mean vs Slug



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: -2359.722+/-928.744 χ^2/NDF: 15.9/24

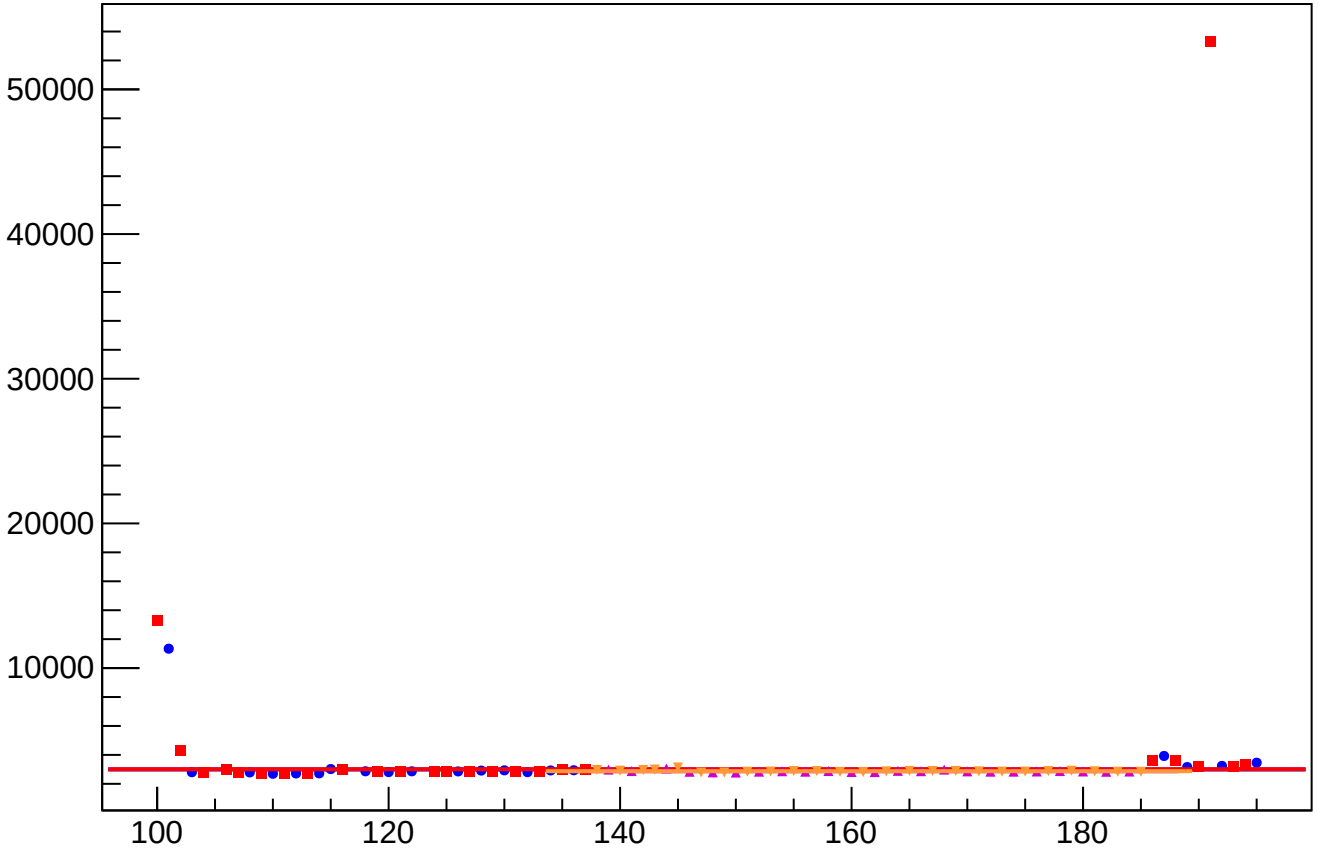
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2902.490+/-543.077 χ^2/NDF: 59.3/44

All: 313.777+/-384.177 χ^2/NDF: 154.4/92

- sign -2279.359+/-543.540 χ^2/NDF: 49.7/47

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: 3009.141+/-0.657 χ^2/NDF: 641737.5/24

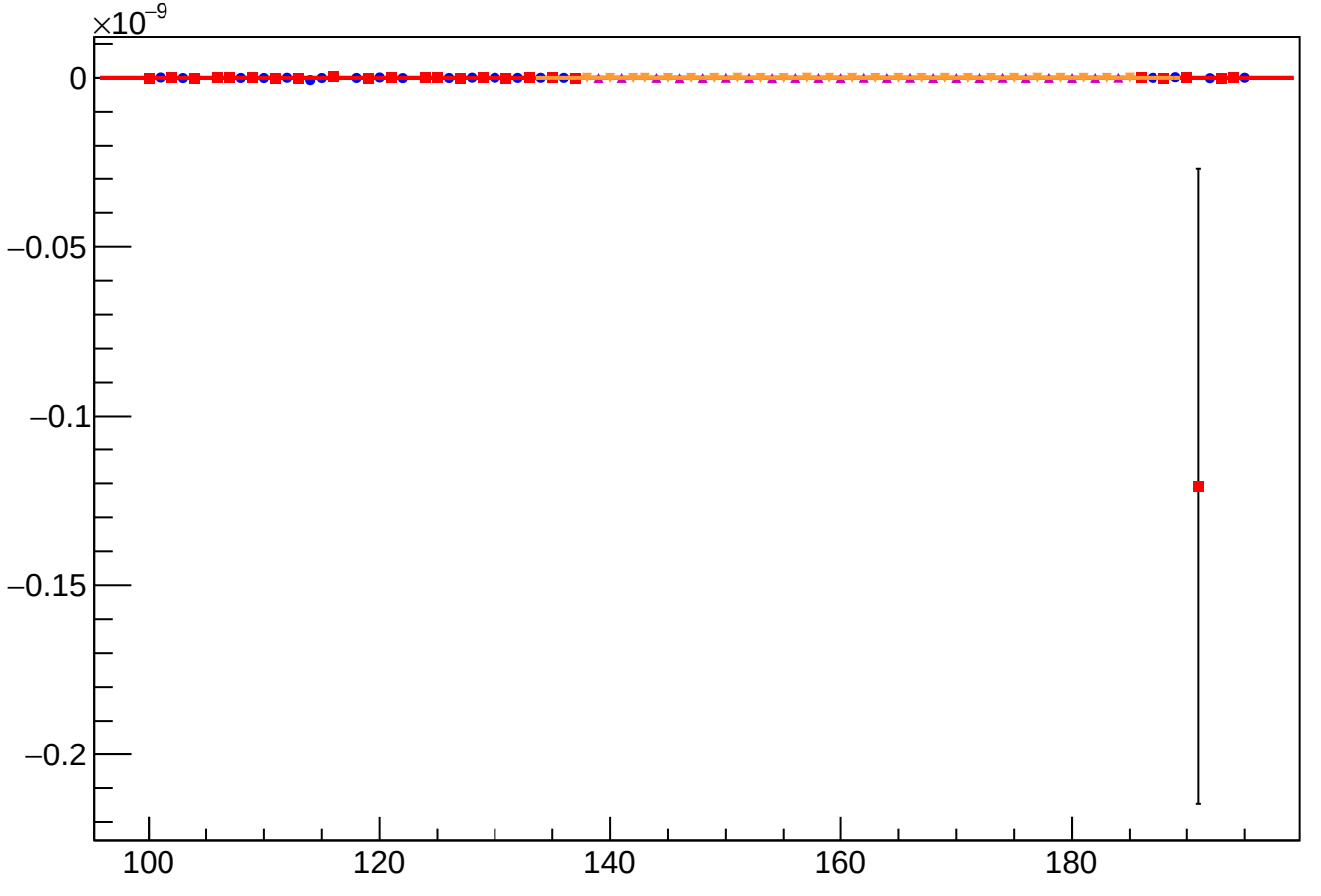
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2911.702+/-0.384 χ^2/NDF: 865790.8/44

All: 2914.727+/-0.272 χ^2/NDF: 1554790.1/92

- sign 2917.758+/-0.384 χ^2/NDF: 688875.1/47

asym_atr1_reg_vs_cor_diff_mean vs Slug



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: 30.2/24

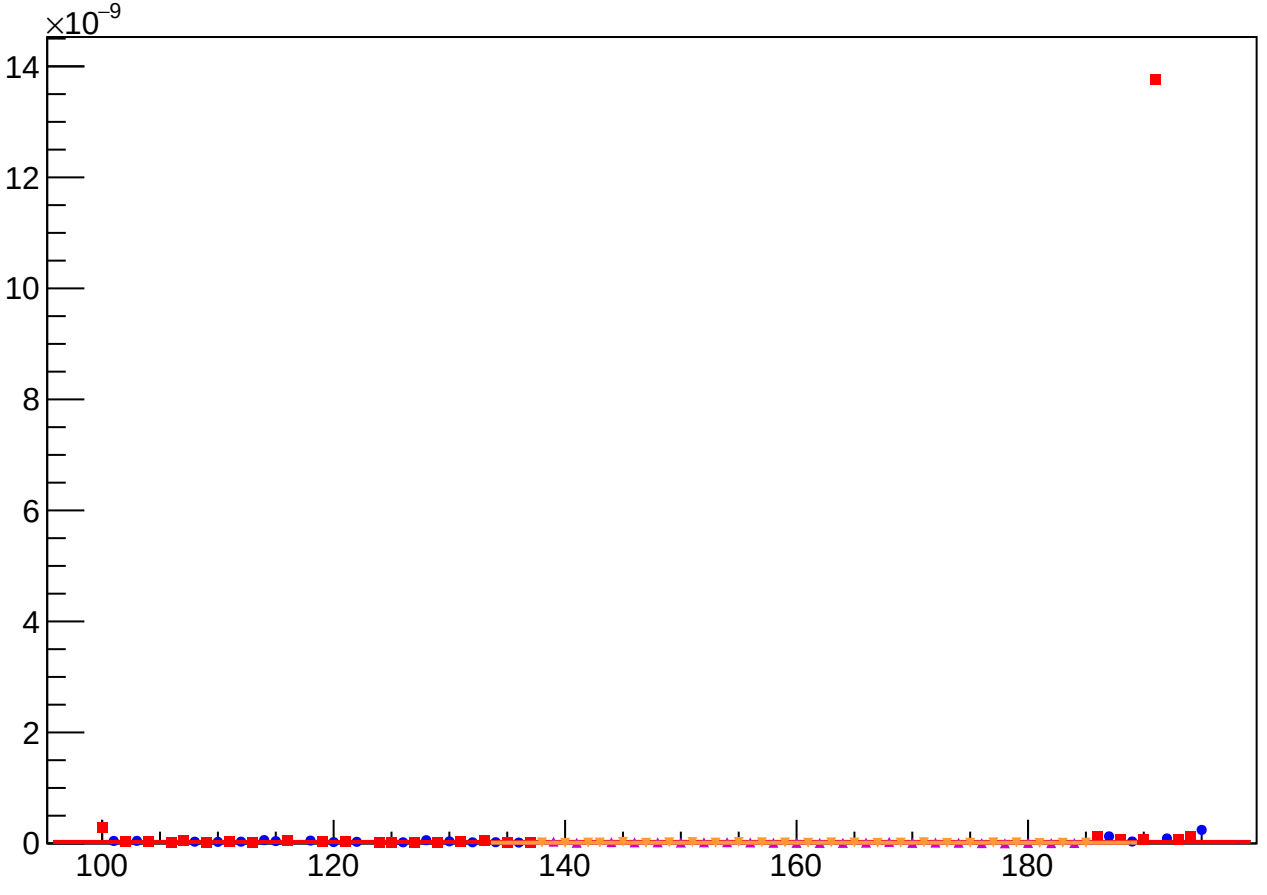
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/44

All: 0.000+/-0.000 χ^2/NDF: 89.2/92

- sign 0.000+/-0.000 χ^2/NDF: 58.8/47

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: 2023512.5/24

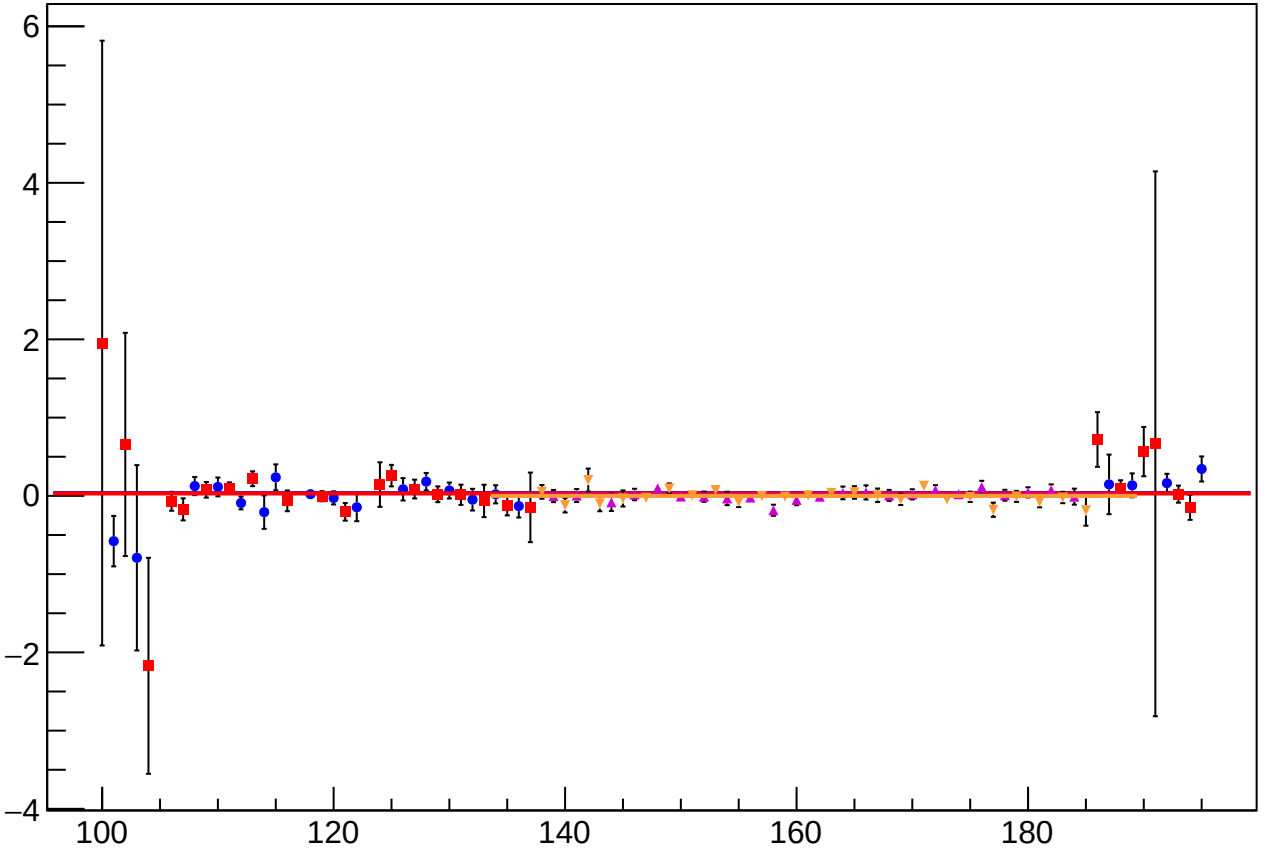
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4502386.5/44

All: 0.000+/-0.000 χ^2/NDF: 11579211.8/92

- sign 0.000+/-0.000 χ^2/NDF: 6810930.2/47

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: 29.2/24

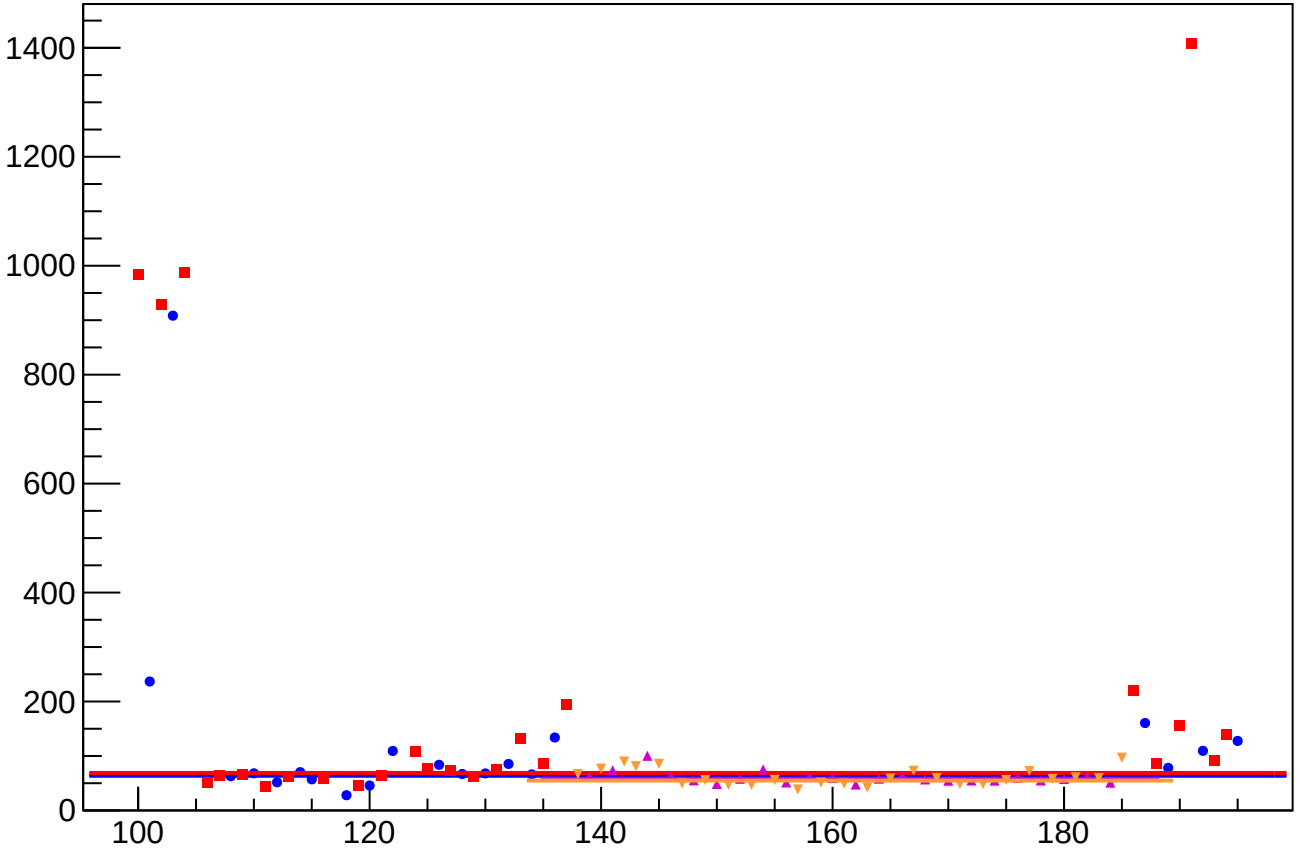
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.4/92

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

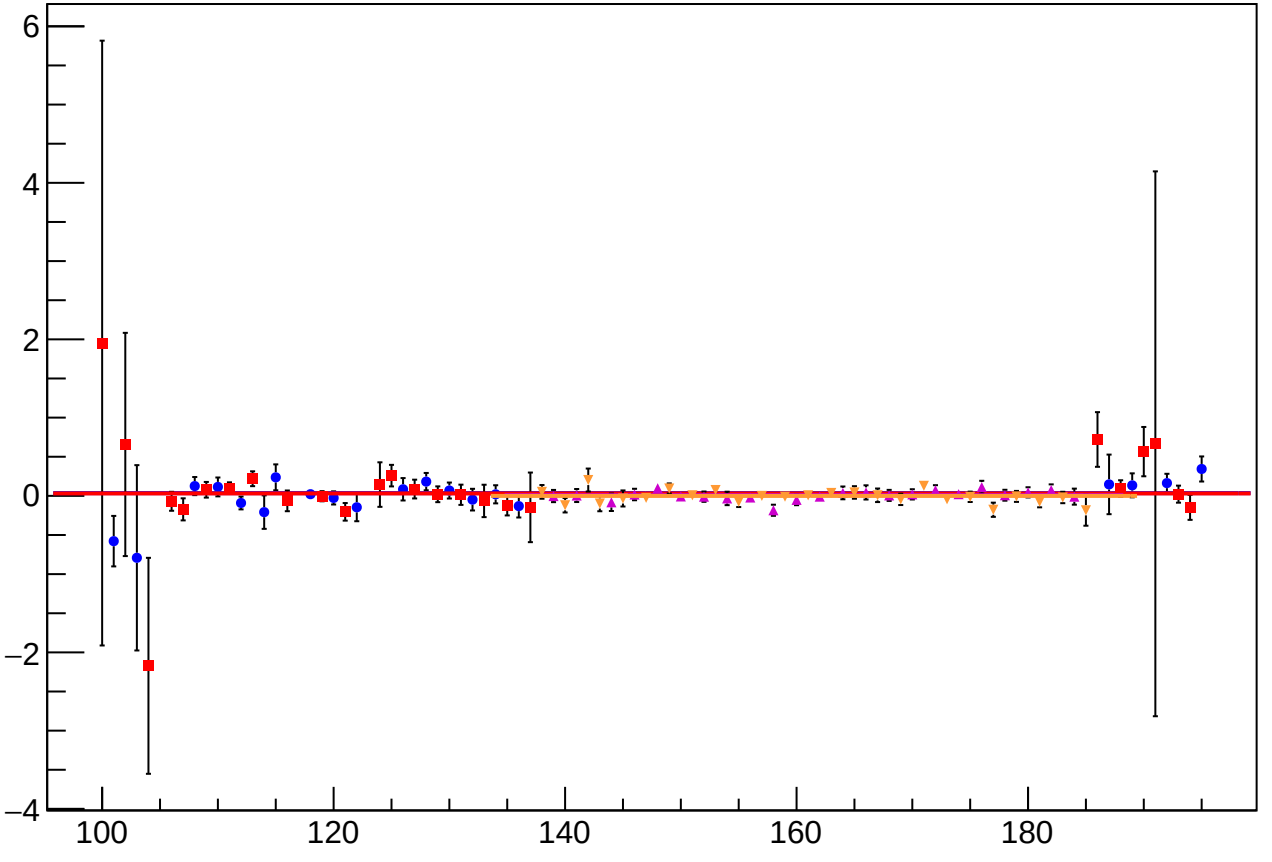
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569725.4/44

All: 58.784+/-0.006 χ^2/NDF: 10681345.1/92

- sign 60.803+/-0.009 χ^2/NDF: 5016351.9/47

asym_atr1_dit_vs_eigen_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: 29.2/24

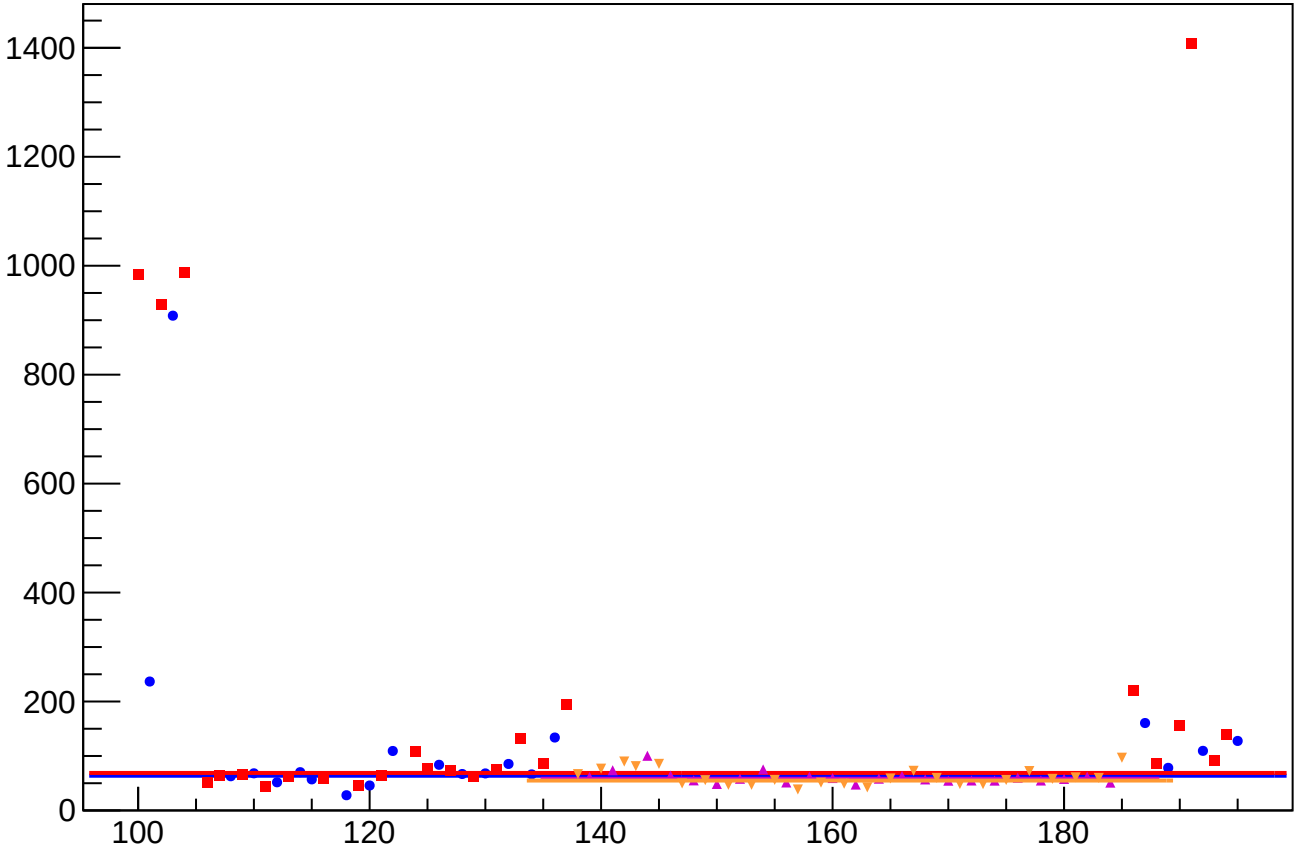
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.4/92

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

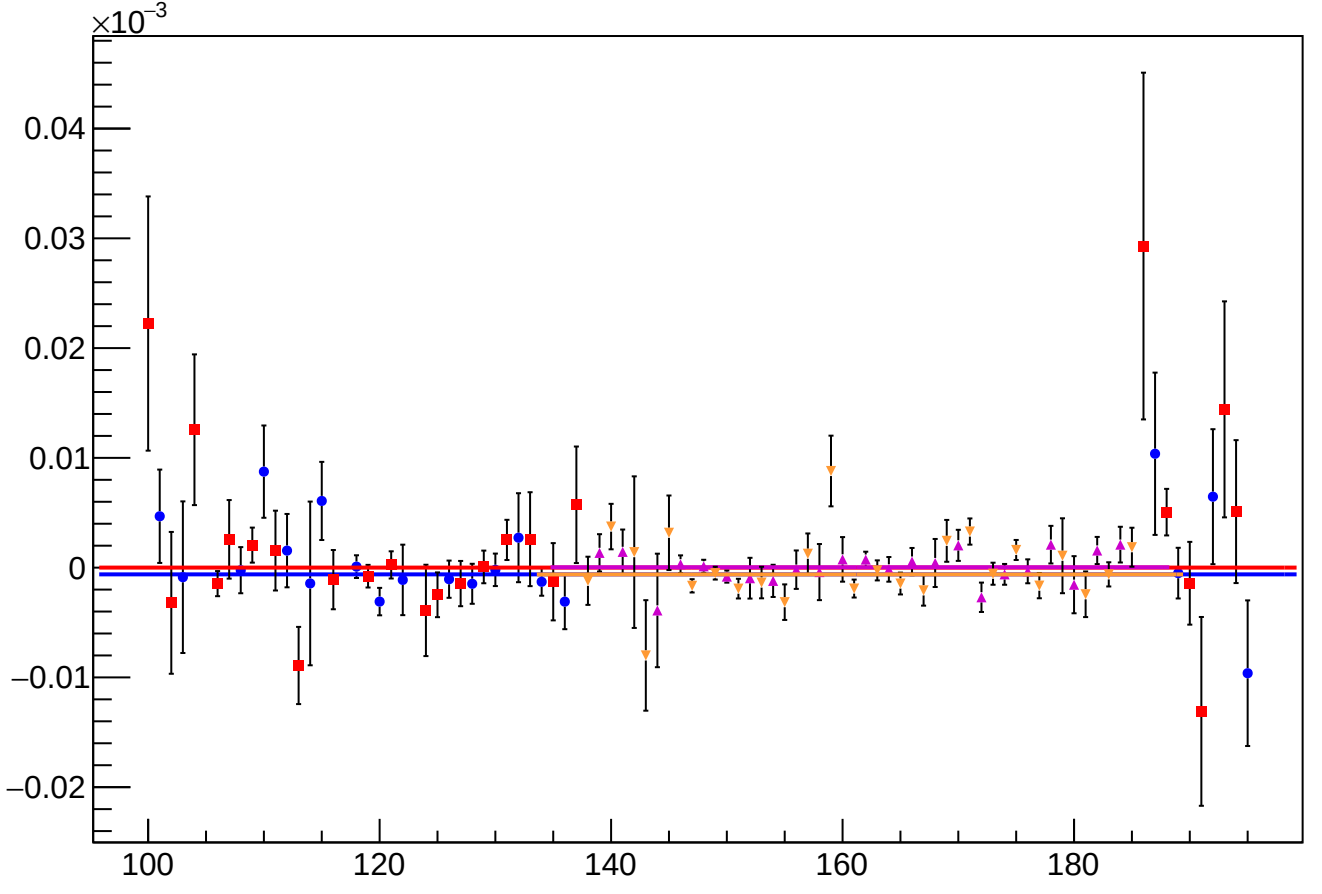
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569725.4/44

All: 58.784+/-0.006 χ^2/NDF: 10681345.1/92

- sign 60.803+/-0.009 χ^2/NDF: 5016351.9/47

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: 39.2/24

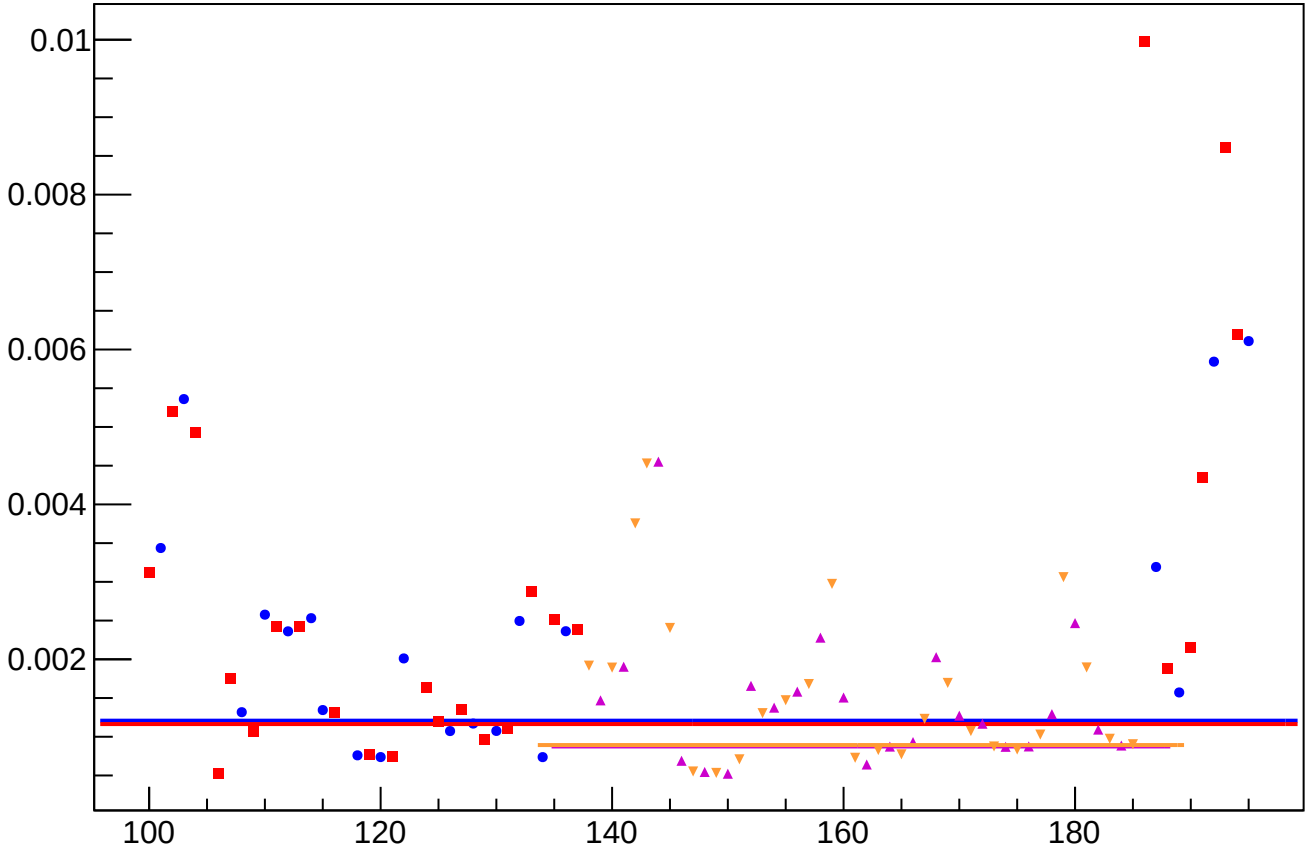
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.4/44

All: -0.000+/-0.000 χ^2/NDF: 137.6/92

- sign 0.000+/-0.000 χ^2/NDF: 57.4/47

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: 7561574.1/24

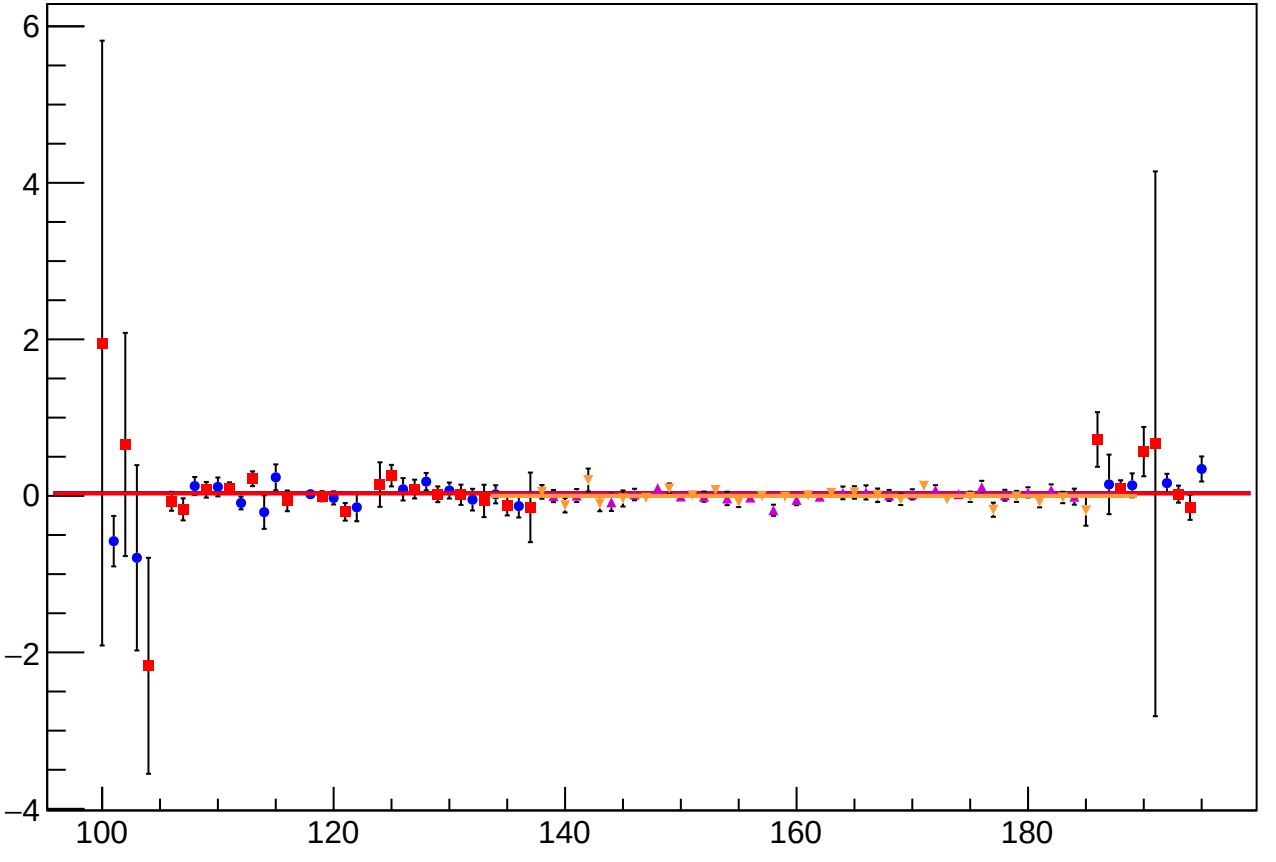
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 14375563.5/44

All: 0.001+/-0.000 χ^2/NDF: 29557537.7/92

- sign 0.001+/-0.000 χ^2/NDF: 15175902.0/47

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: 29.2/24

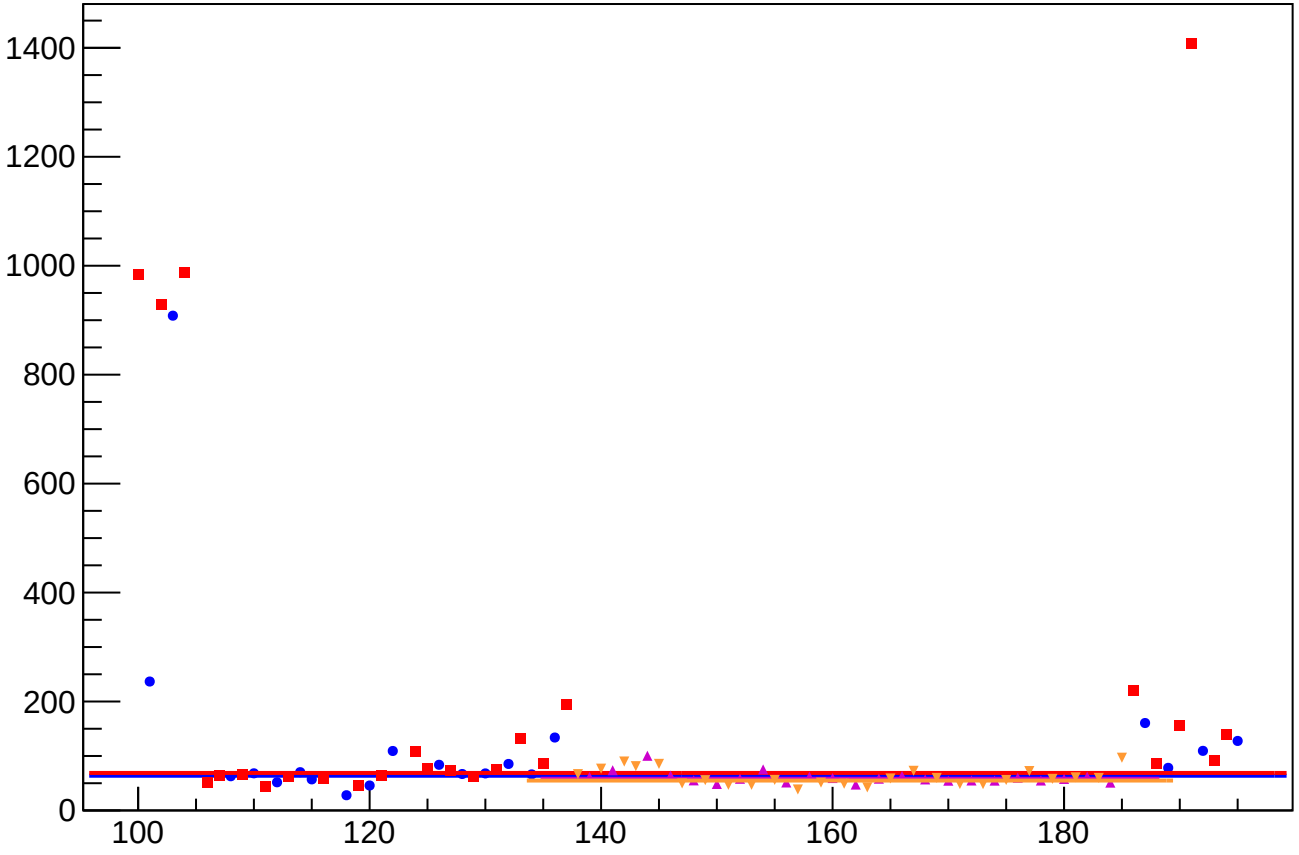
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.4/92

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

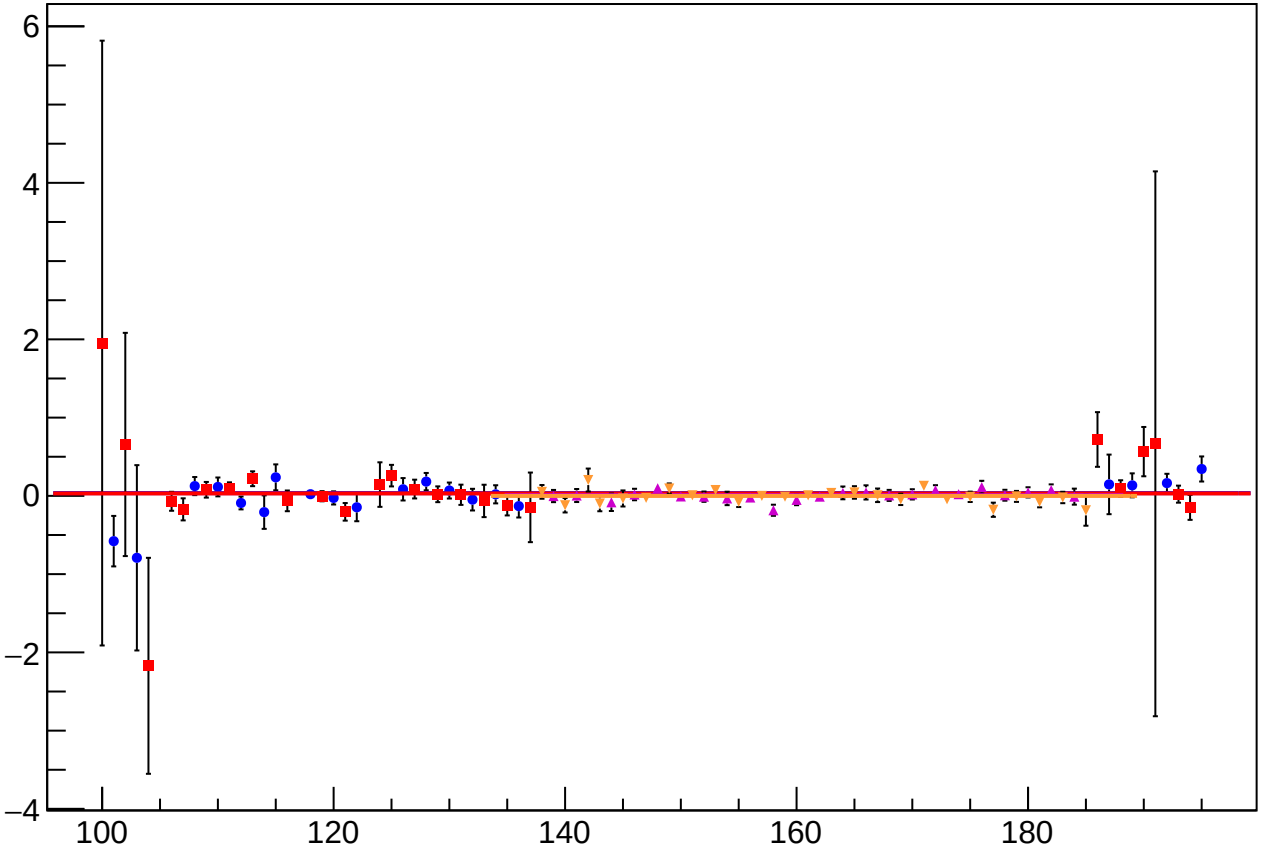
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569878.2/44

All: 58.784+/-0.006 χ^2/NDF: 10681521.1/92

- sign 60.803+/-0.009 χ^2/NDF: 5016351.0/47

asym_atr1_eigen_dit_vs_eigen_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: 29.2/24

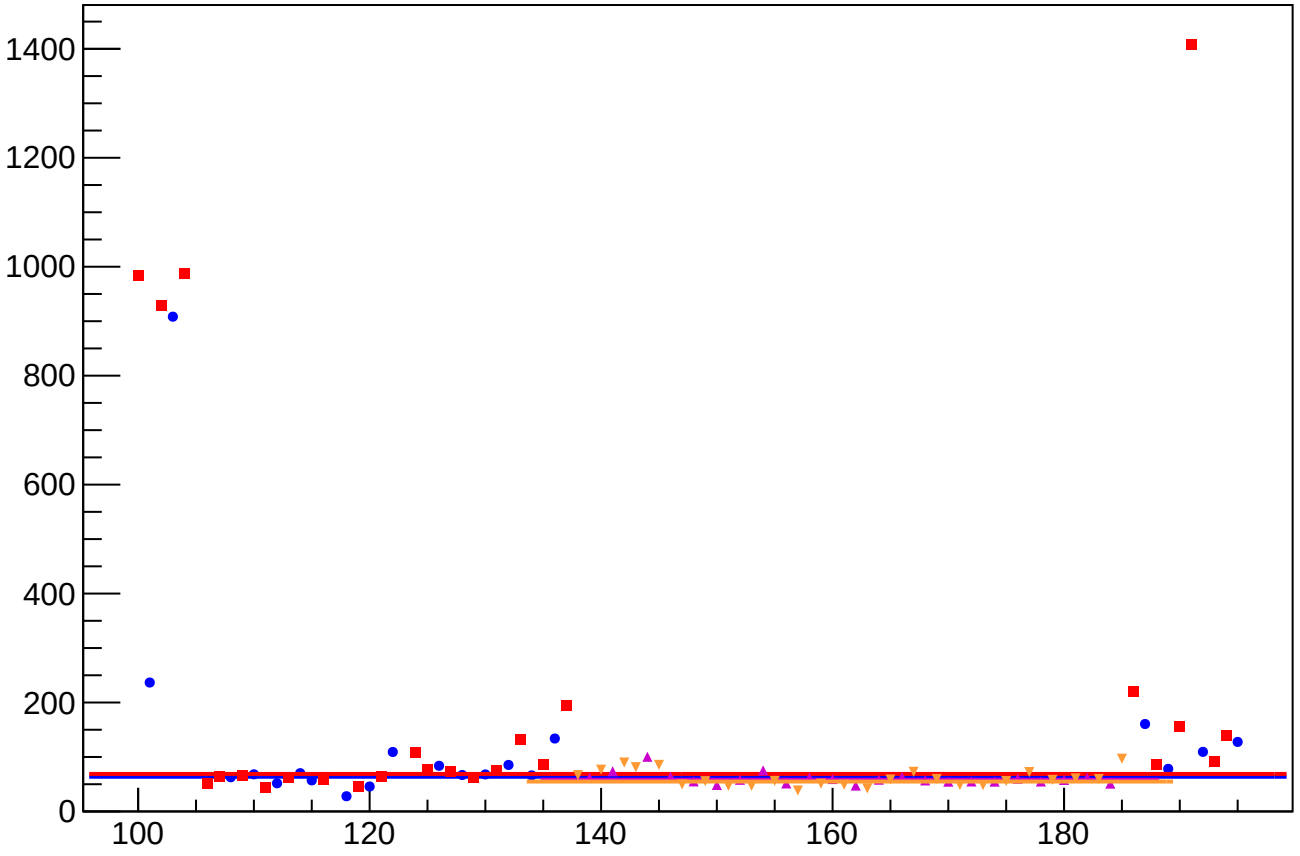
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 44.9/44

All: 0.011+/-0.009 χ^2/NDF: 90.4/92

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

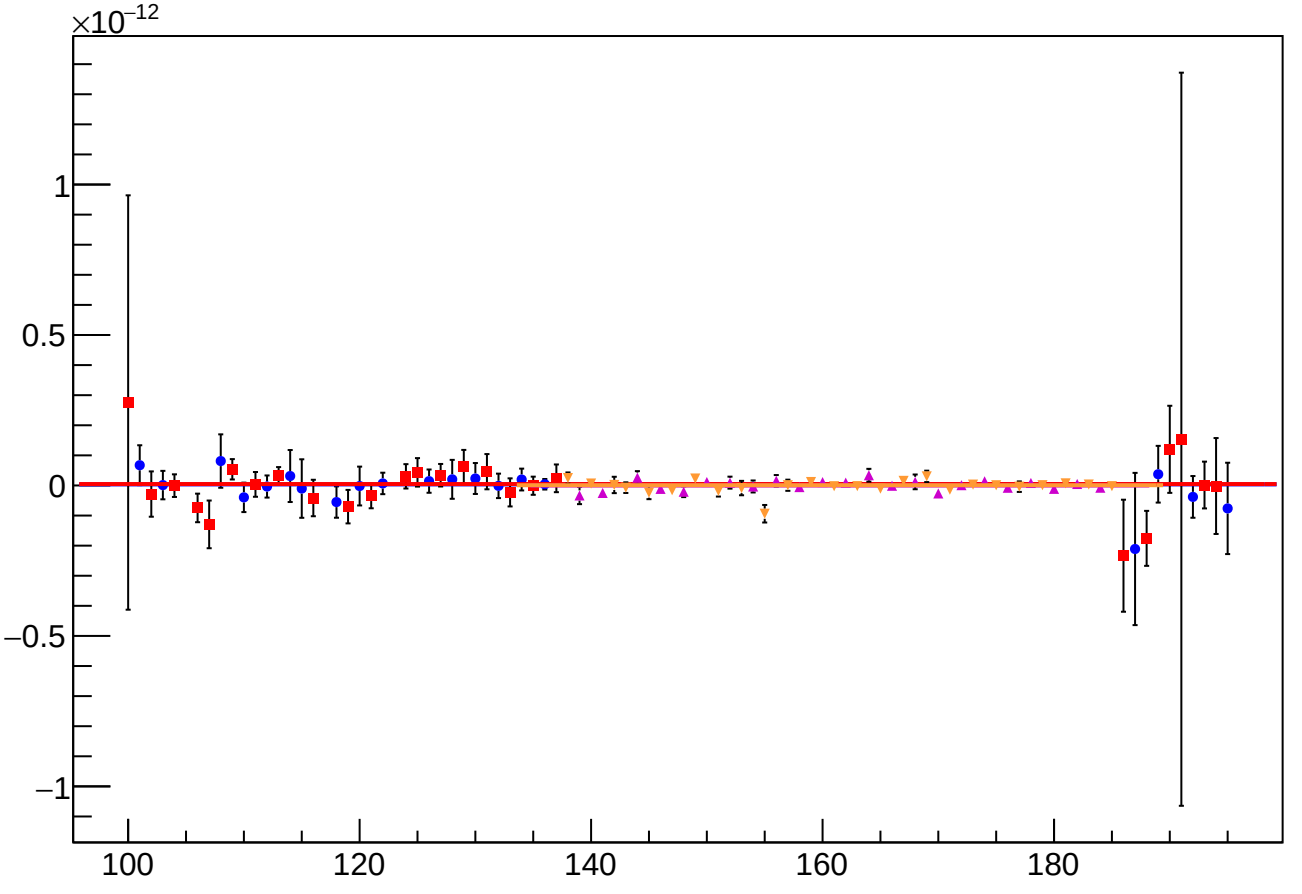
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.901+/-0.009 χ^2/NDF: 5569878.2/44

All: 58.784+/-0.006 χ^2/NDF: 10681521.1/92

- sign 60.803+/-0.009 χ^2/NDF: 5016351.0/47

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



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: 22.4/24

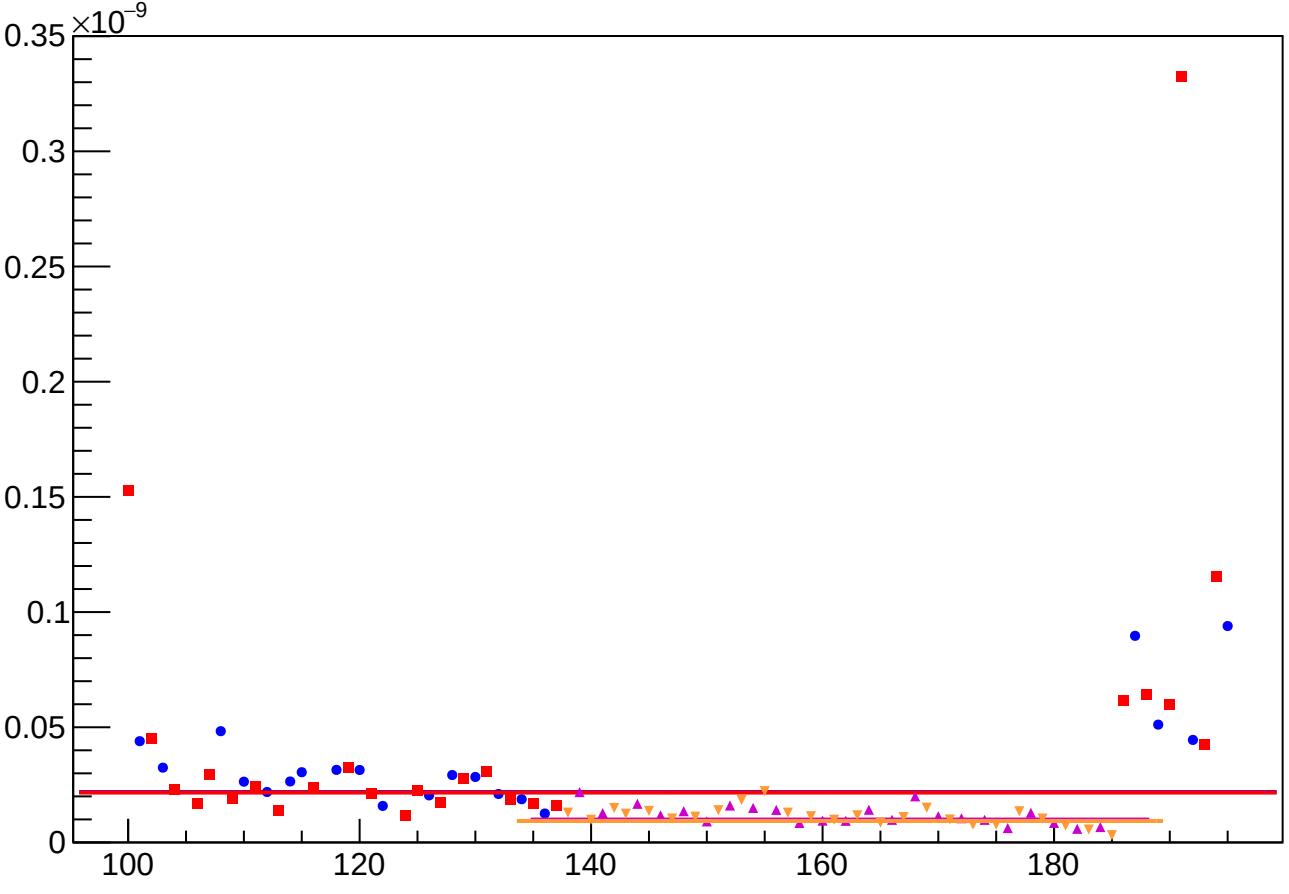
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 74.2/92

- sign 0.000+/-0.000 χ^2/NDF: 42.8/47

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: 2494723.8/24

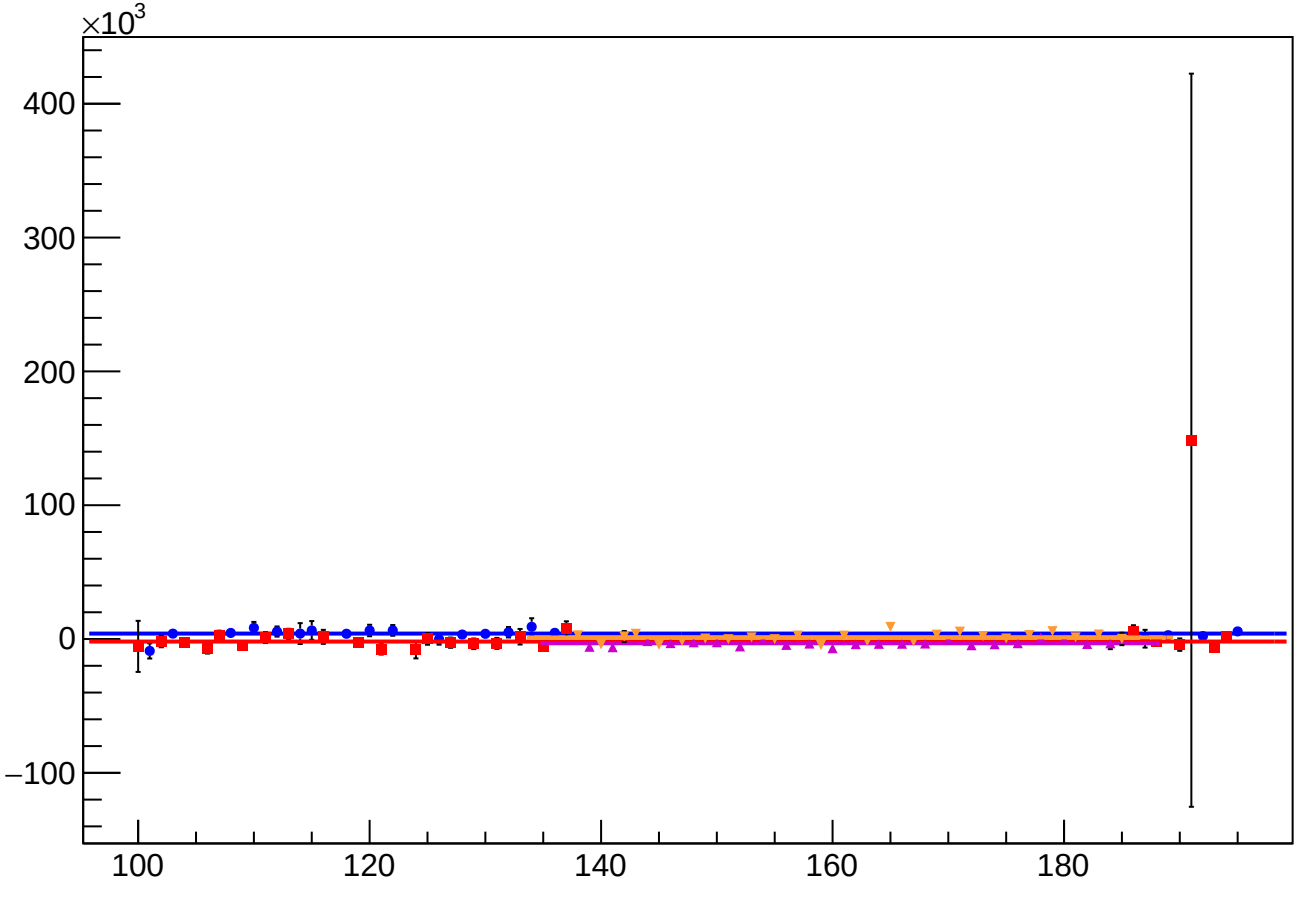
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8315762.9/44

All: 0.000+/-0.000 χ^2/NDF: 16023329.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7644175.2/47

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: -1886.189+/-791.118 χ^2/NDF: 21.8/24

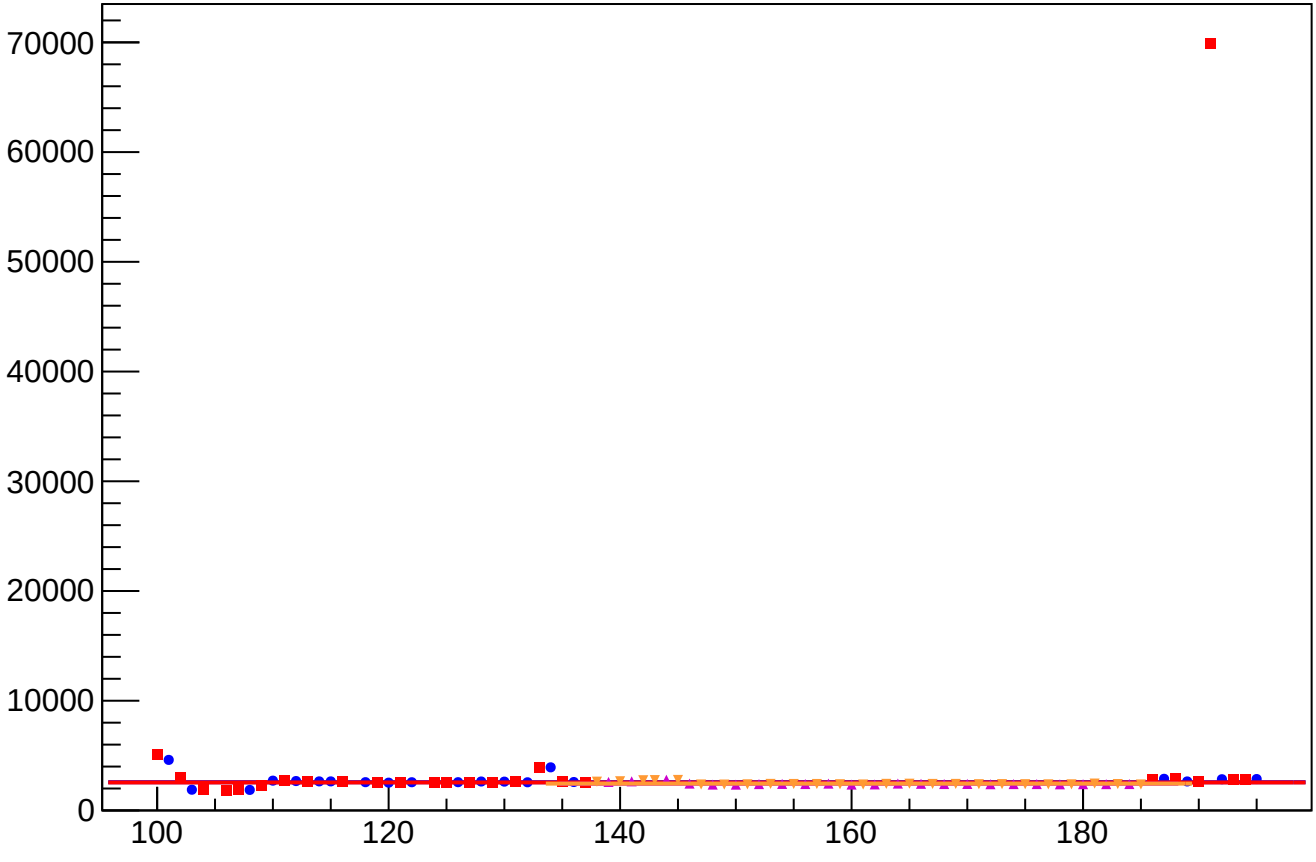
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.279+/-463.194 χ^2/NDF: 49.4/44

All: -328.388+/-327.122 χ^2/NDF: 139.1/92

- sign -2717.202+/-462.049 χ^2/NDF: 36.1/47

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: 2551.986+/-0.559 χ^2/NDF: 678088.4/24

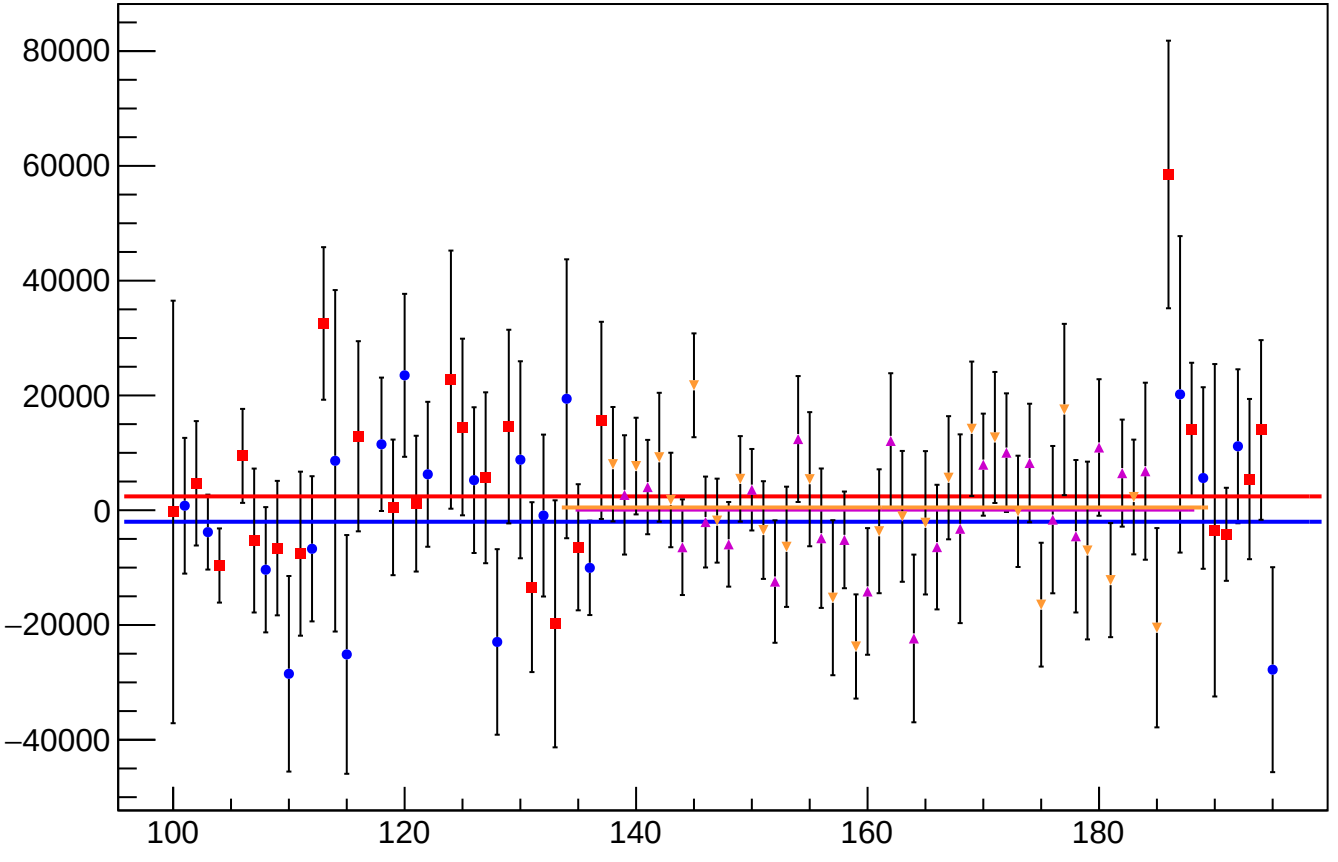
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2485.884+/-0.328 χ^2/NDF: 785635.2/44

All: 2480.694+/-0.231 χ^2/NDF: 1551763.7/92

- sign 2475.531+/-0.327 χ^2/NDF: 765627.8/47

asym_atr2_reg_correction_mean vs Slug



Right In: -2009.660+/-2890.116 χ^2/NDF: 17.7/19

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2409.774+/-2518.534 χ^2/NDF: 24.8/24

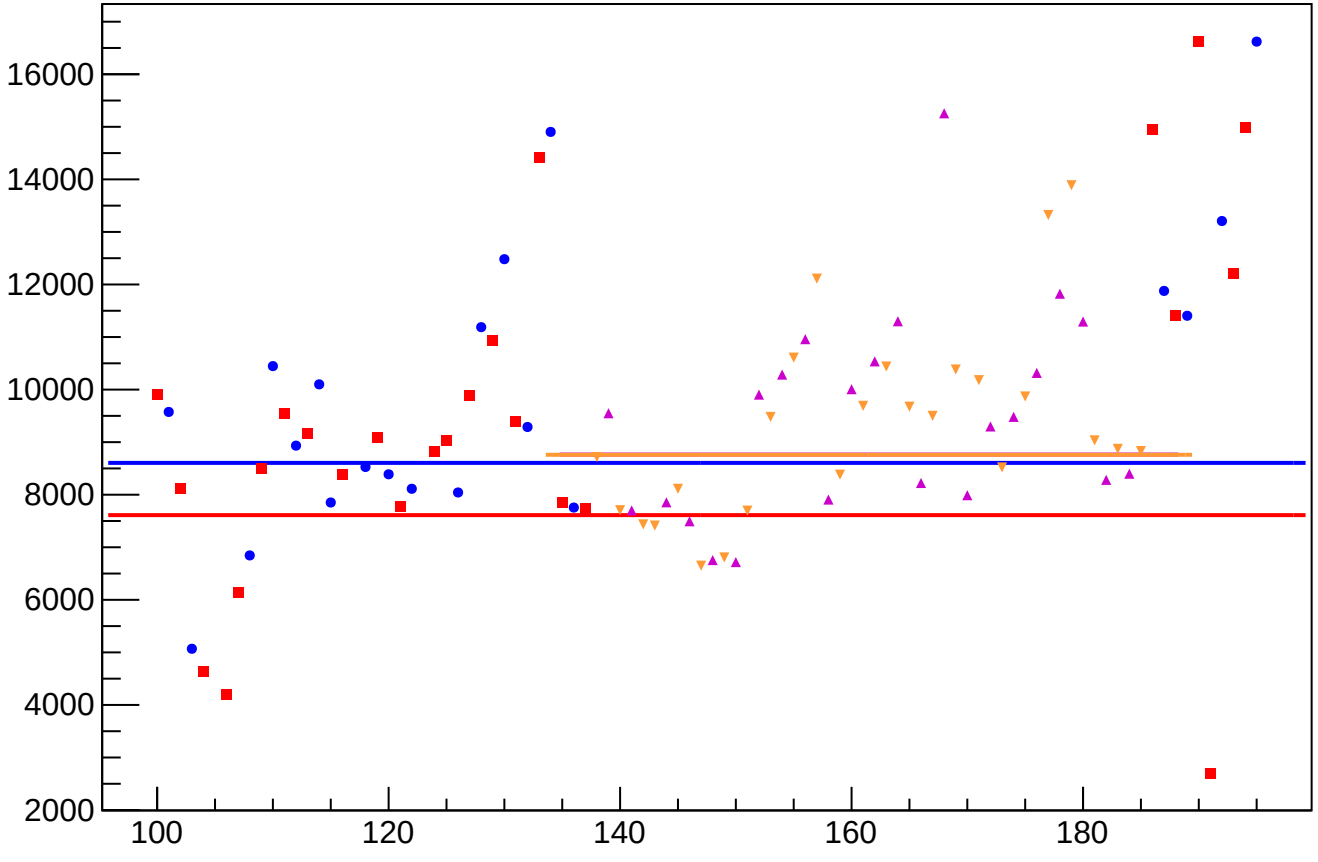
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -347.621+/-1664.436 χ^2/NDF: 45.6/44

All: 372.564+/-1156.742 χ^2/NDF: 85.8/92

- sign 1045.361+/-1608.745 χ^2/NDF: 39.8/47

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

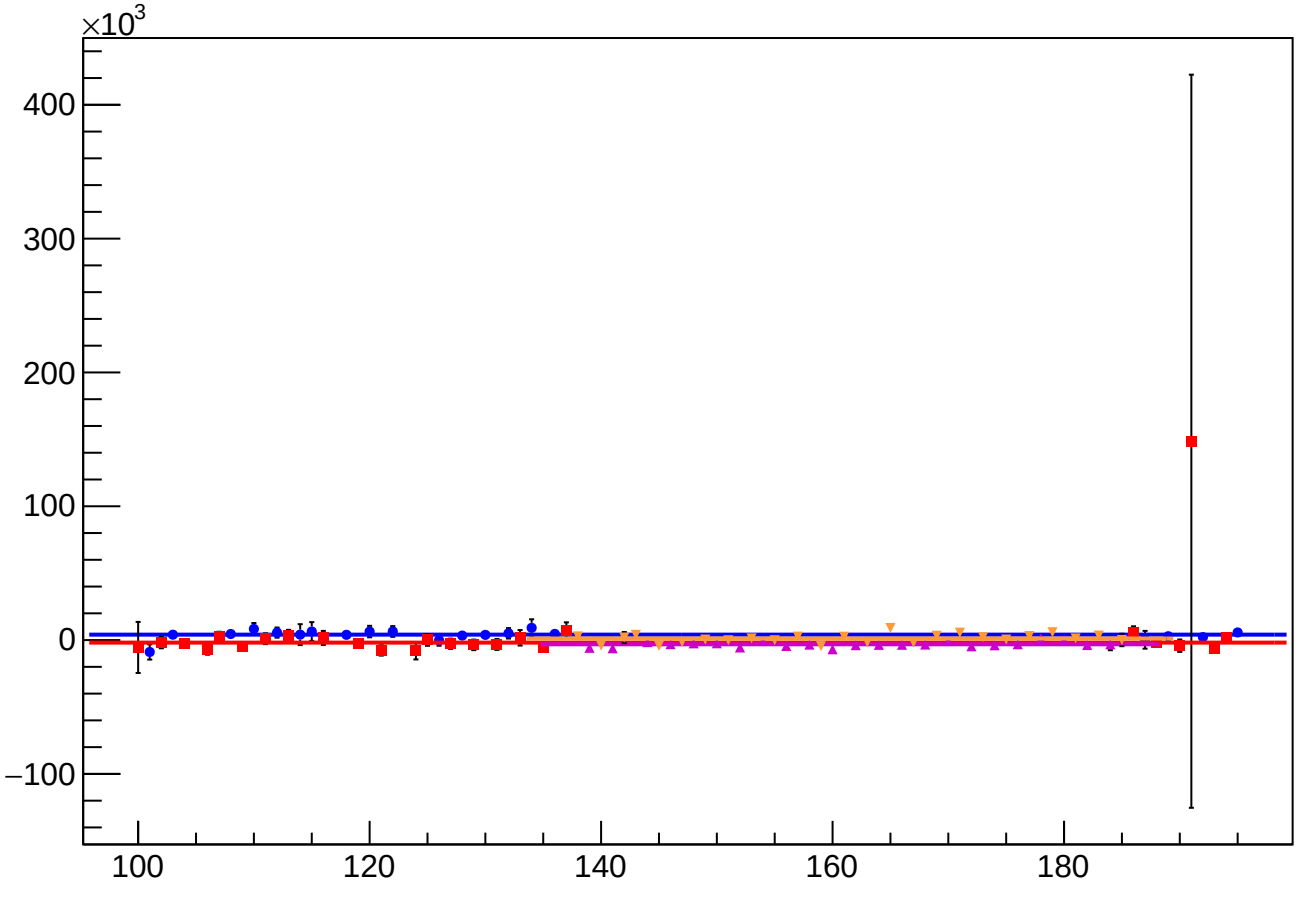
Right Out: 7611.668+/-1.781 χ^2/NDF: 3298814.5/24

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

\+ sign 8708.564+/-1.177 χ^2/NDF: 2961123.6/44

All: 8494.183+/-0.818 χ^2/NDF: 7863727.6/92

\- sign 8293.909+/-1.138 χ^2/NDF: 4838428.7/47



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: -1886.663+/-791.123 χ^2/NDF: 21.8/24

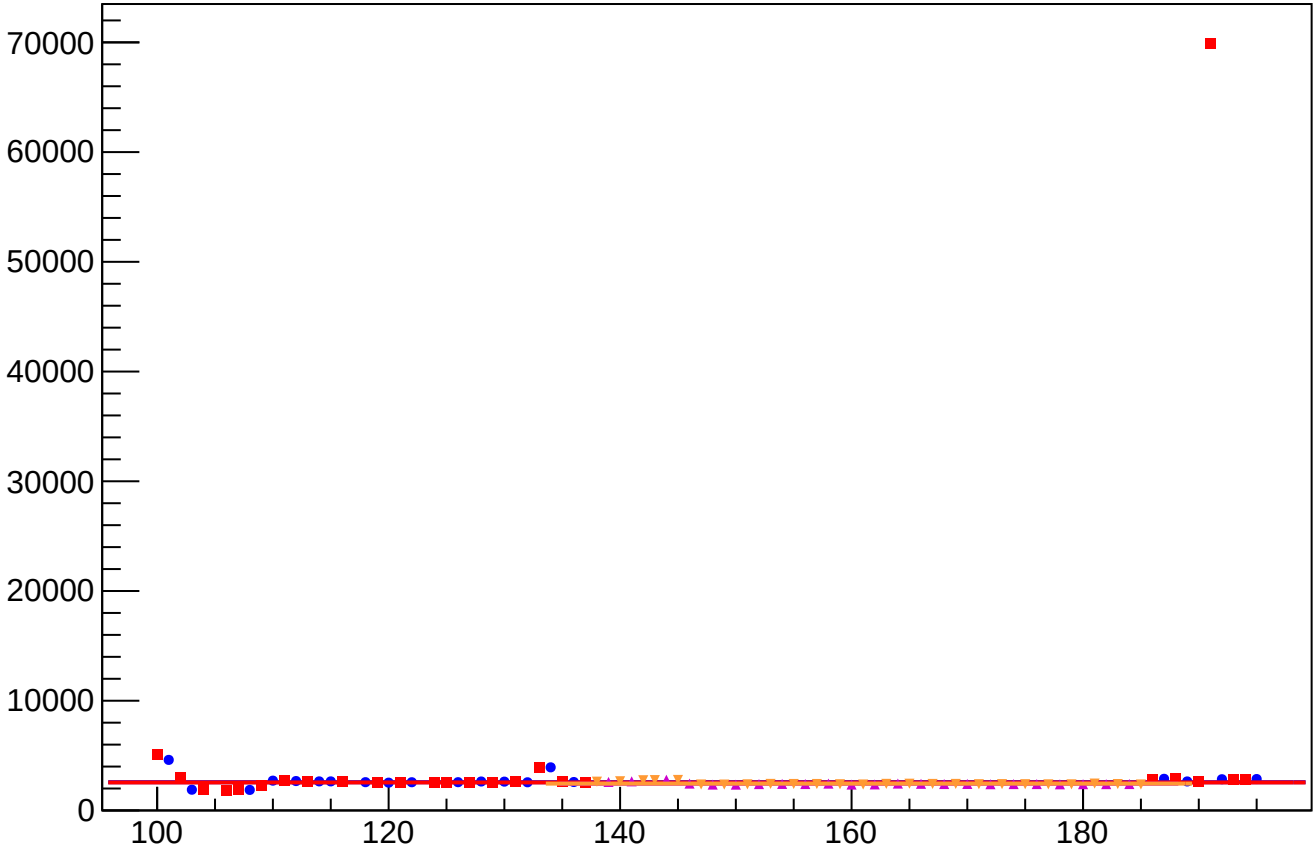
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.063+/-463.194 χ^2/NDF: 49.4/44

All: -328.509+/-327.122 χ^2/NDF: 139.2/92

- sign -2717.237+/-462.050 χ^2/NDF: 36.2/47

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: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

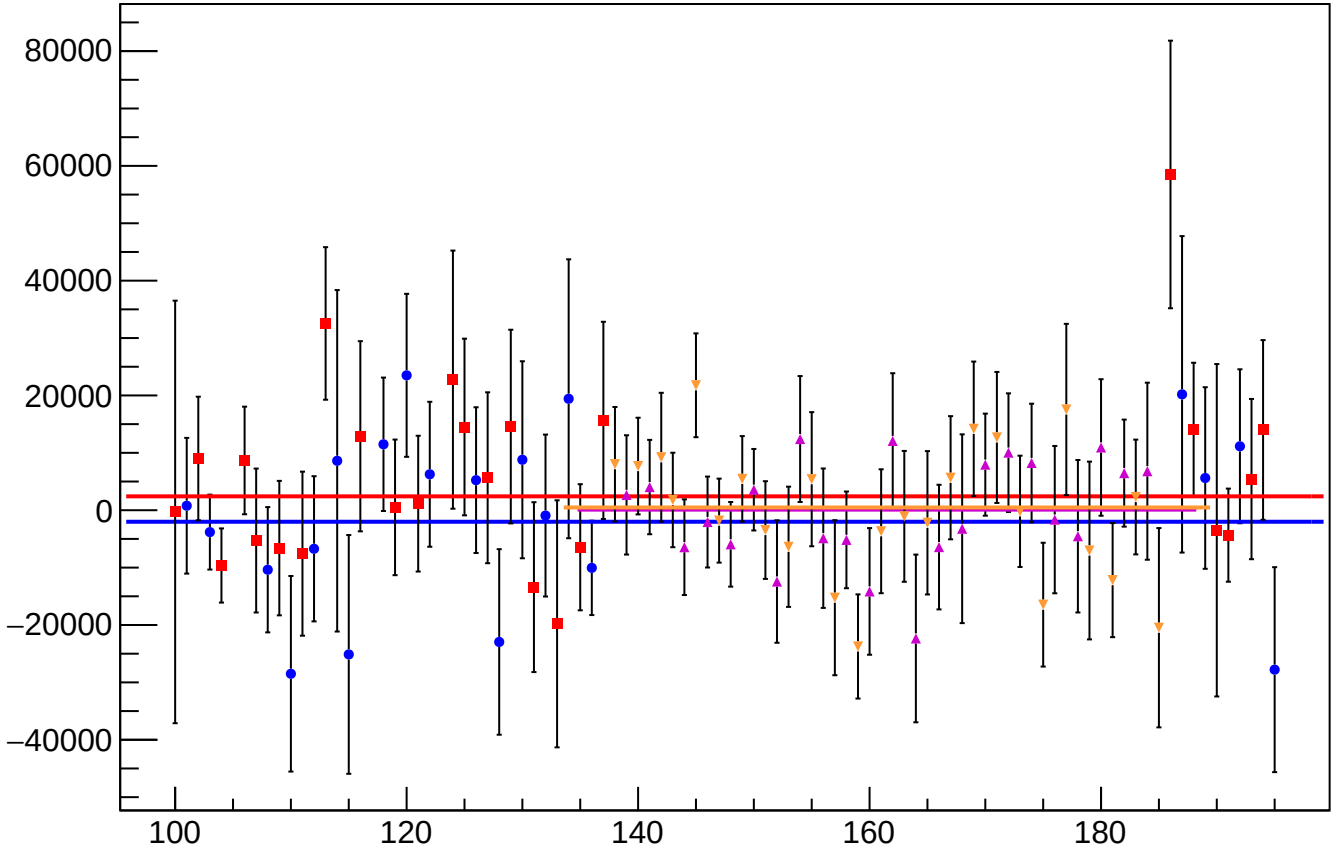
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2485.884+/-0.328 χ^2/NDF: 785633.1/44

All: 2480.698+/-0.231 χ^2/NDF: 1551703.6/92

- sign 2475.537+/-0.327 χ^2/NDF: 765570.4/47

asym_atr2_cor_correction_mean vs Slug



Right In: -2009.401+/-2890.189 χ^2/NDF: 17.7/19

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2418.180+/-2546.583 χ^2/NDF: 24.9/24

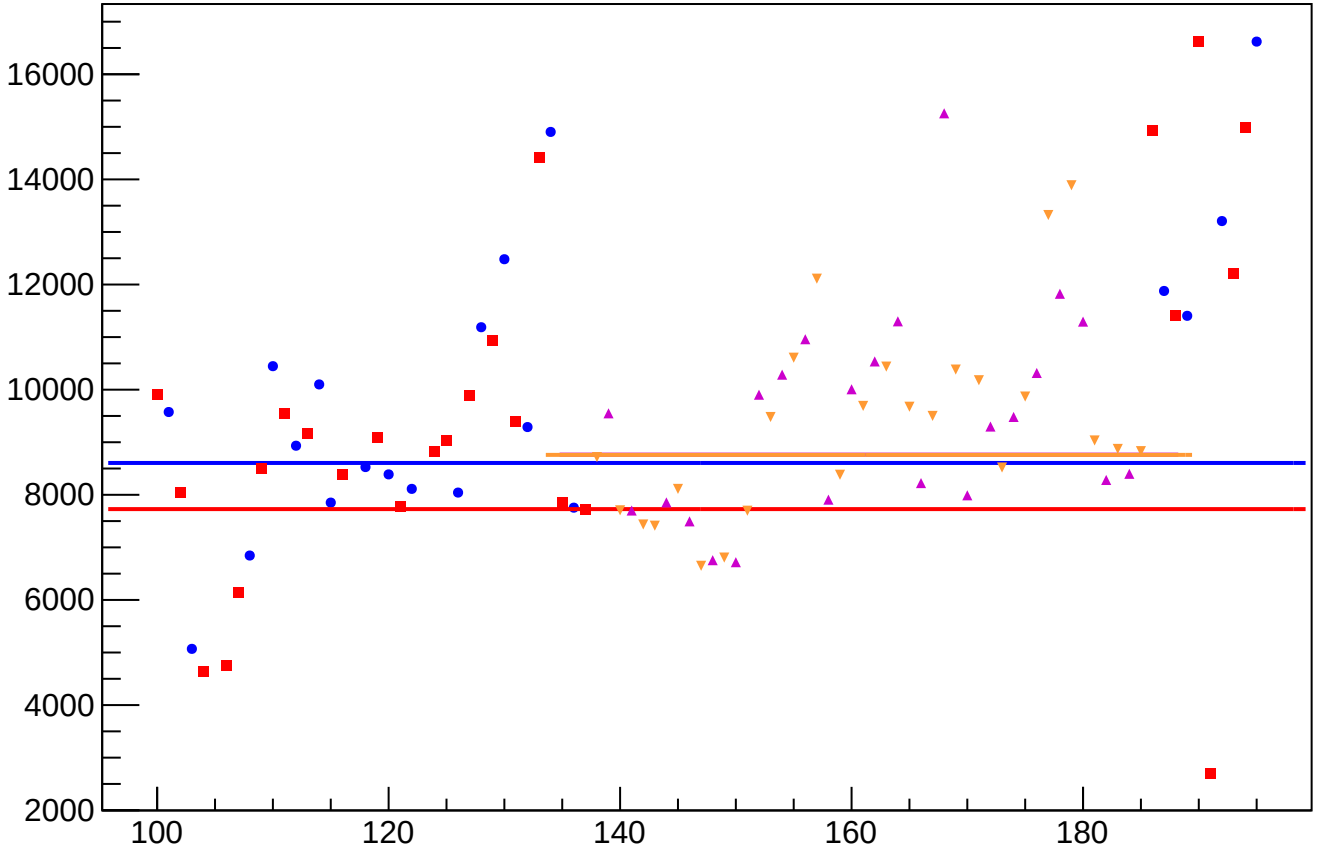
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -347.499+/-1664.449 χ^2/NDF: 45.6/44

All: 364.934+/-1159.428 χ^2/NDF: 85.8/92

- sign 1036.482+/-1615.984 χ^2/NDF: 39.9/47

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: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

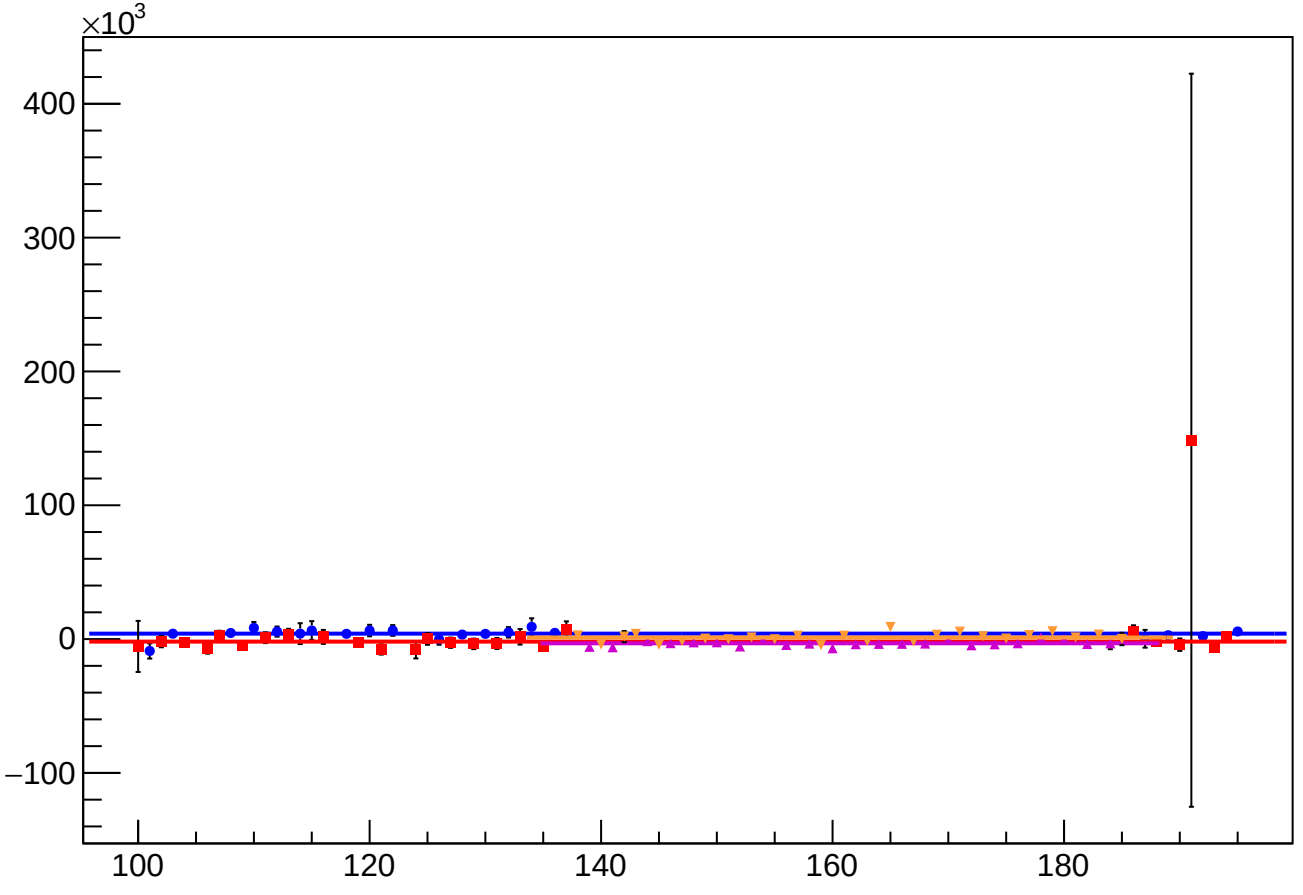
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8708.664+/-1.177 χ^2/NDF: 2960728.3/44

All: 8522.463+/-0.820 χ^2/NDF: 7628473.4/92

- sign 8346.948+/-1.143 χ^2/NDF: 4619122.4/47

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: -1886.663+/-791.123 χ^2/NDF: 21.8/24

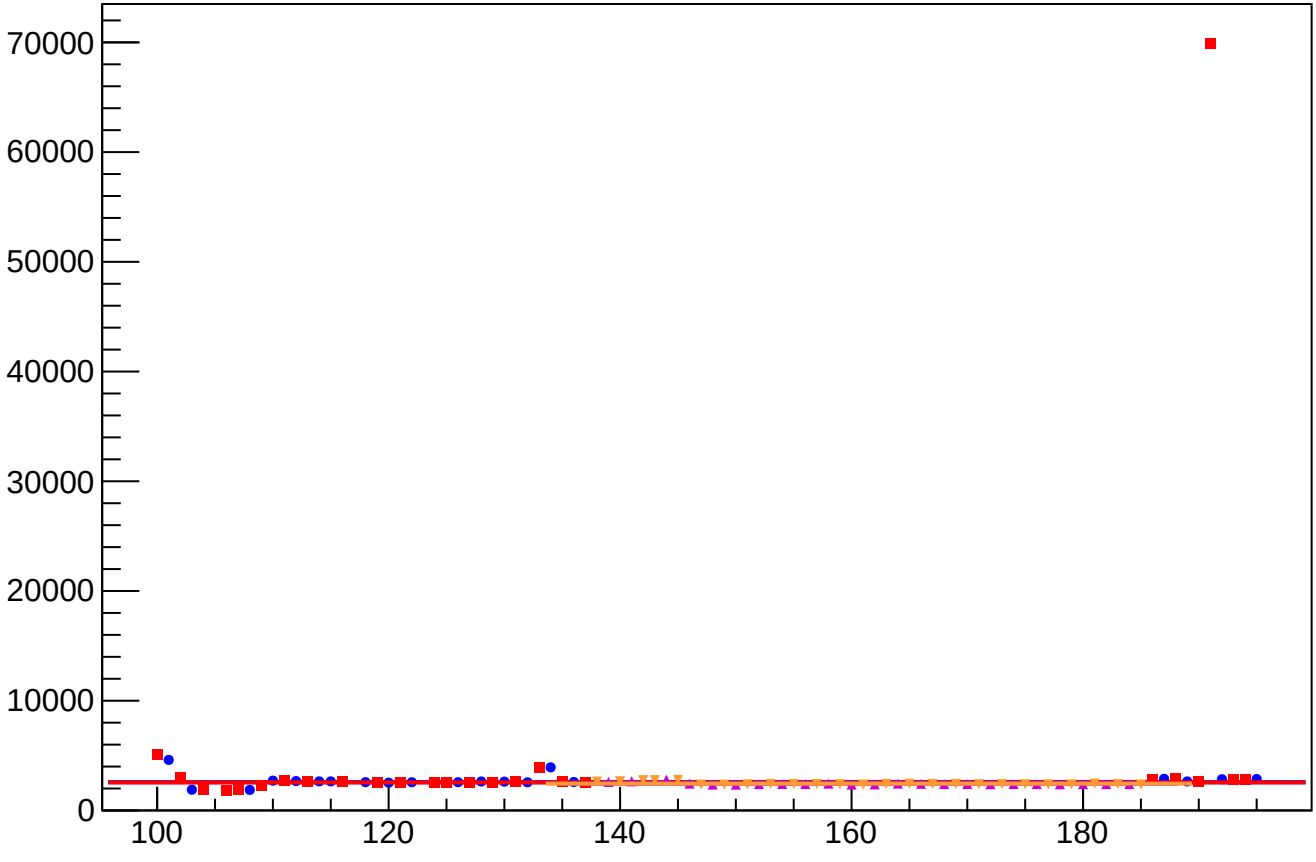
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2072.063+/-463.194 χ^2/NDF: 49.4/44

All: -328.509+/-327.122 χ^2/NDF: 139.2/92

- sign -2717.237+/-462.050 χ^2/NDF: 36.2/47

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: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

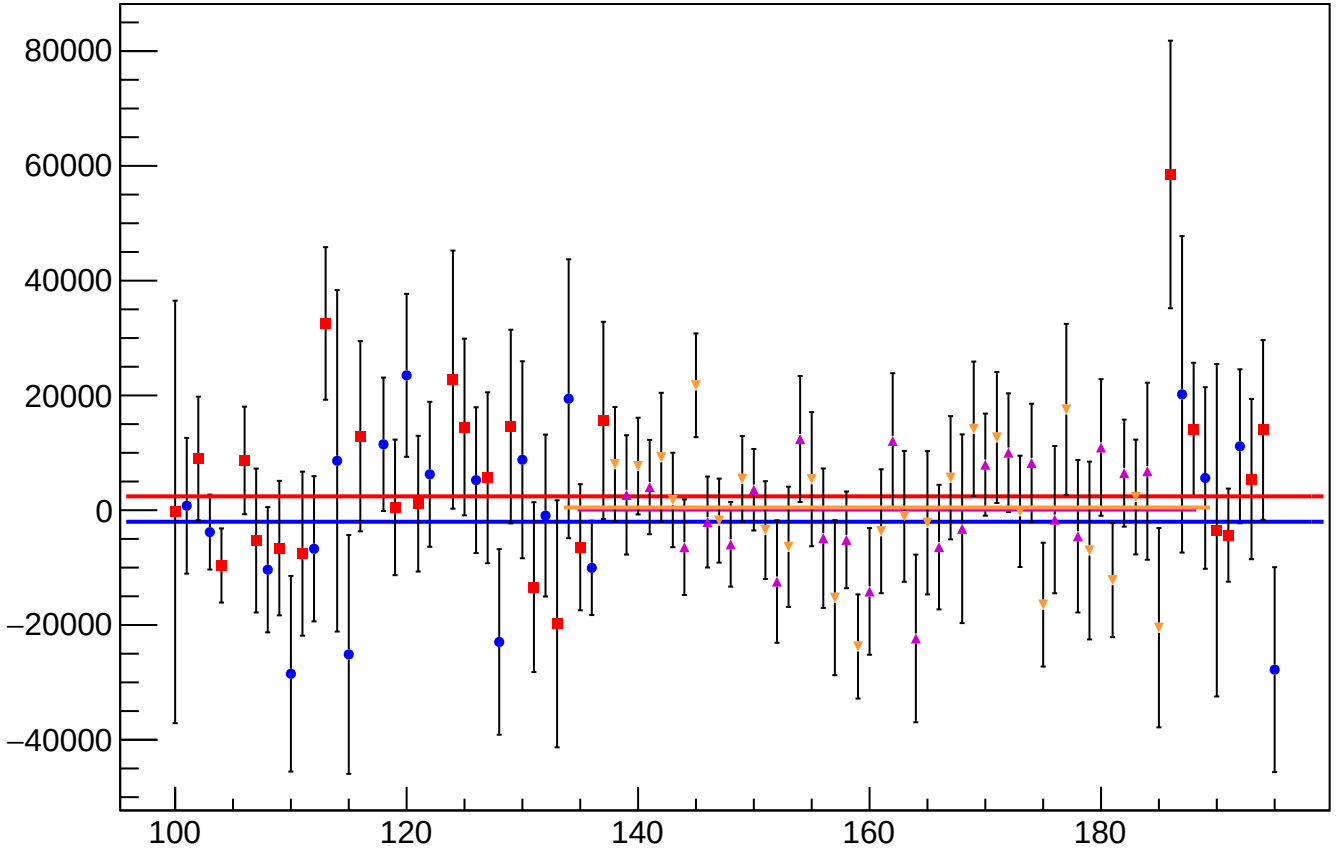
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2485.884+/-0.328 χ^2/NDF: 785633.1/44

All: 2480.698+/-0.231 χ^2/NDF: 1551703.6/92

- sign 2475.537+/-0.327 χ^2/NDF: 765570.4/47

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2009.401+/-2890.189 χ^2/NDF: 17.7/19

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2418.180+/-2546.583 χ^2/NDF: 24.9/24

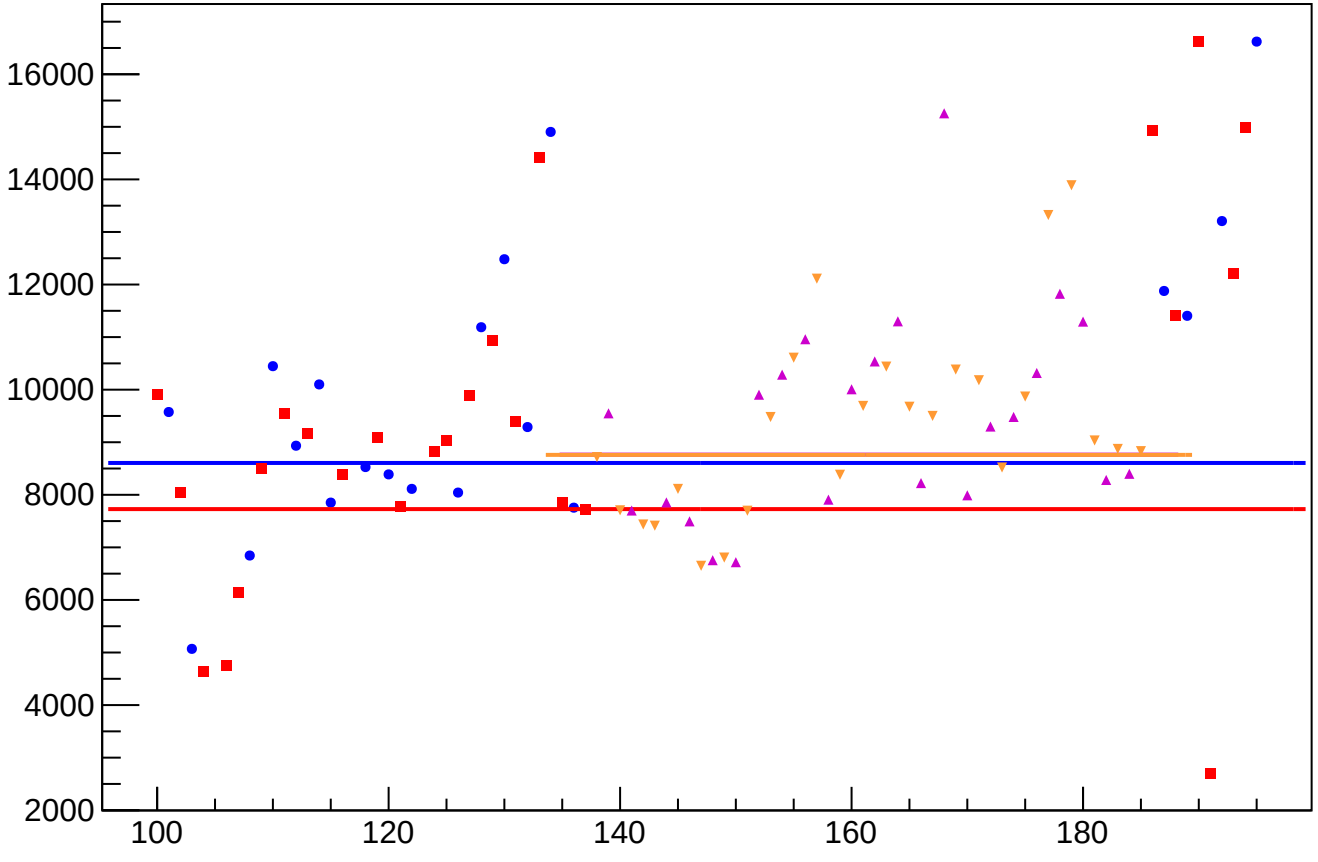
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -347.499+/-1664.449 χ^2/NDF: 45.6/44

All: 364.934+/-1159.428 χ^2/NDF: 85.8/92

- sign 1036.482+/-1615.984 χ^2/NDF: 39.9/47

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: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

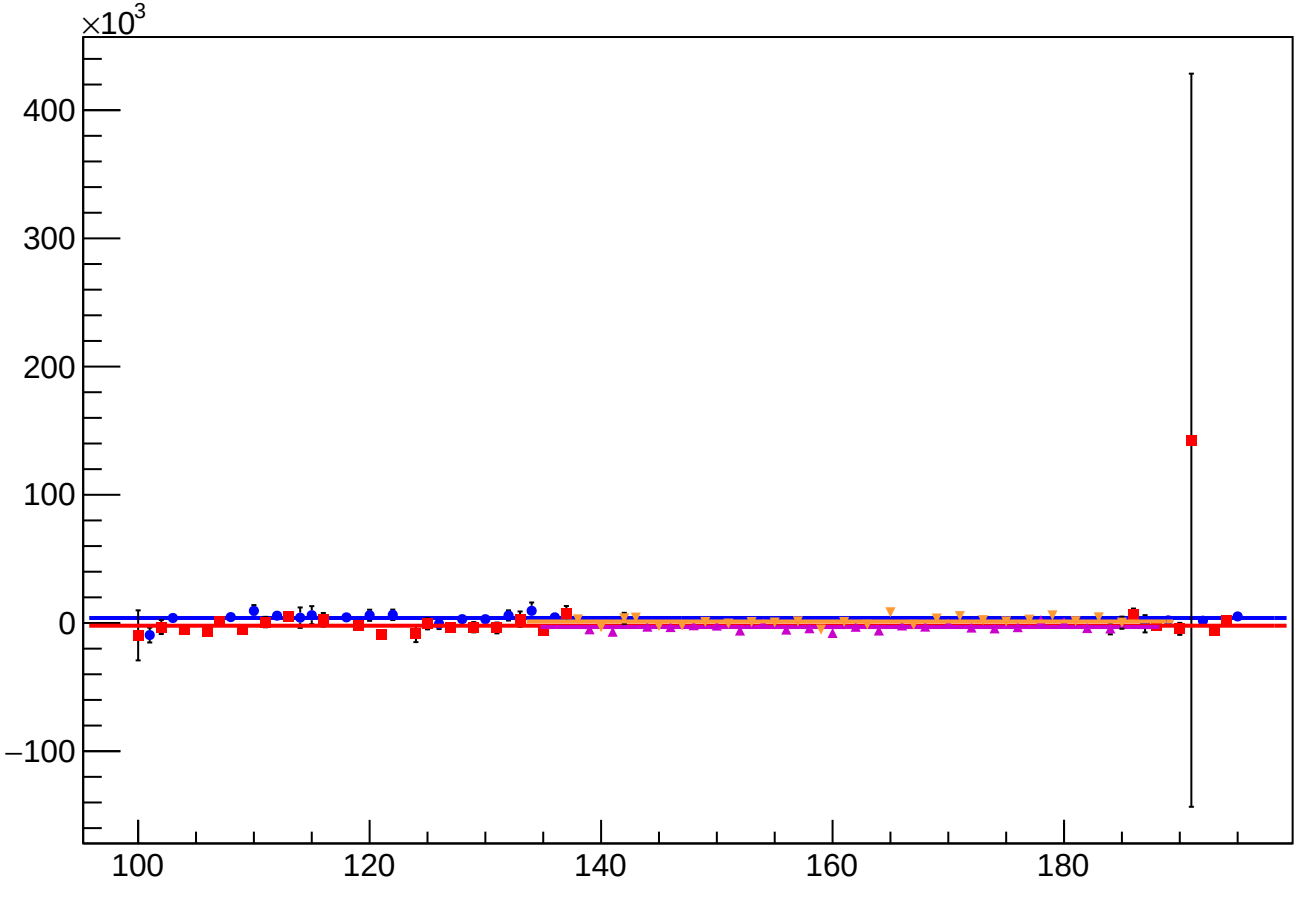
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8708.664+/-1.177 χ^2/NDF: 2960728.3/44

All: 8522.463+/-0.820 χ^2/NDF: 7628473.4/92

- sign 8346.948+/-1.143 χ^2/NDF: 4619122.4/47

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: -2118.568+/-821.100 χ^2/NDF: 25.4/24

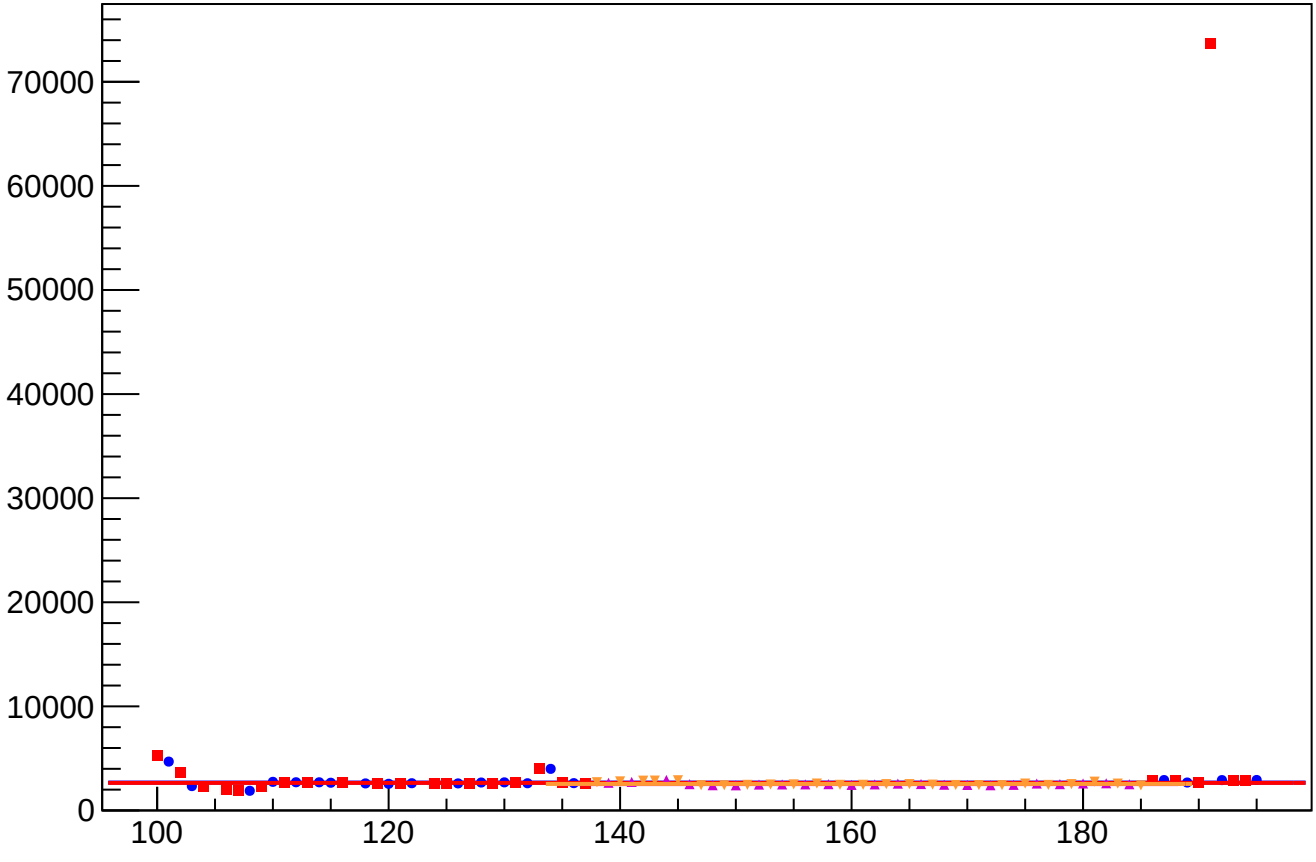
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2046.518+/-481.839 χ^2/NDF: 45.0/44

All: -383.313+/-340.154 χ^2/NDF: 138.6/92

- sign -2797.306+/-480.266 χ^2/NDF: 42.9/47

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: 2647.735+/-0.580 χ^2/NDF: 588703.3/24

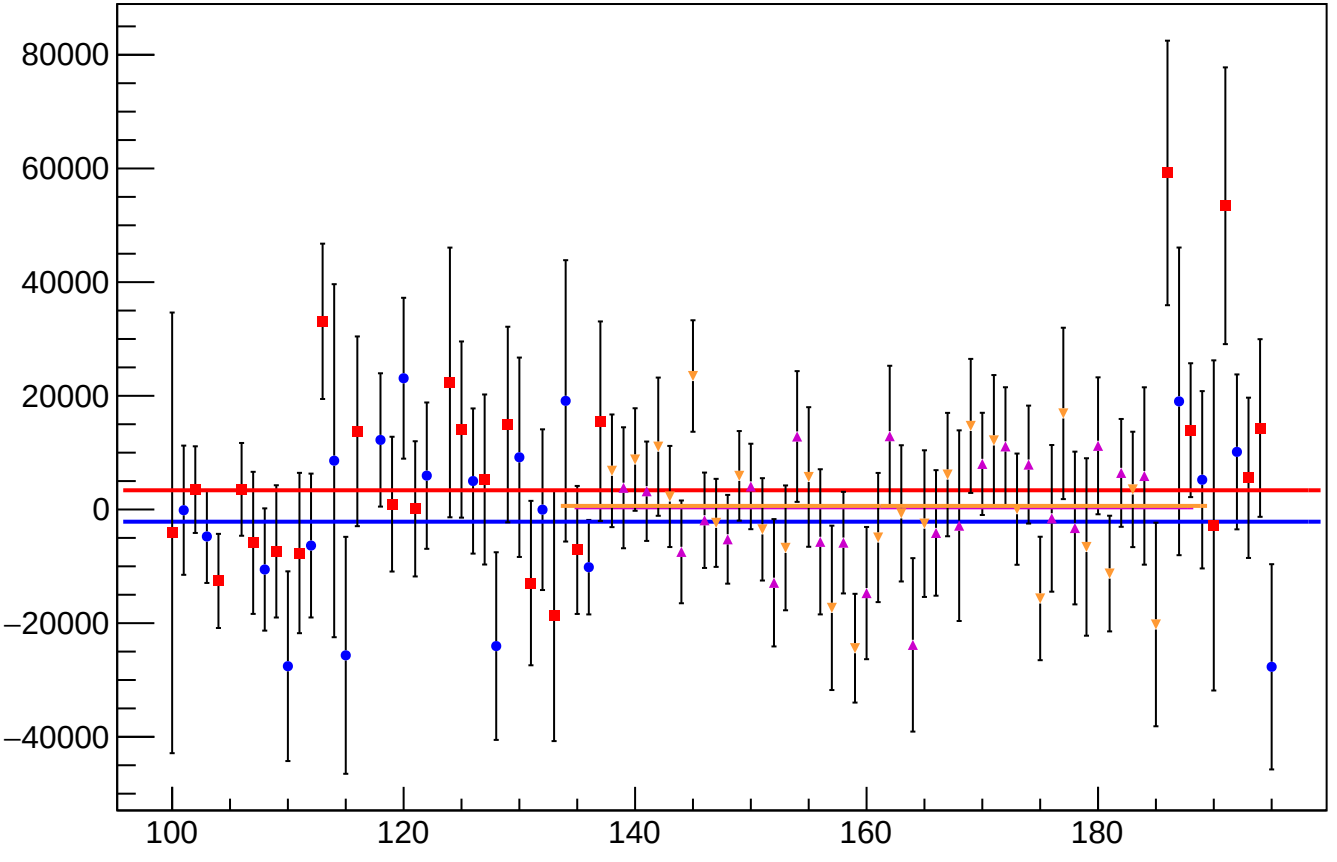
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2587.700+/-0.341 χ^2/NDF: 669860.8/44

All: 2579.886+/-0.241 χ^2/NDF: 1353861.0/92

- sign 2572.124+/-0.340 χ^2/NDF: 682951.7/47

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: 3380.881+/-2651.755 χ^2/NDF: 27.6/24

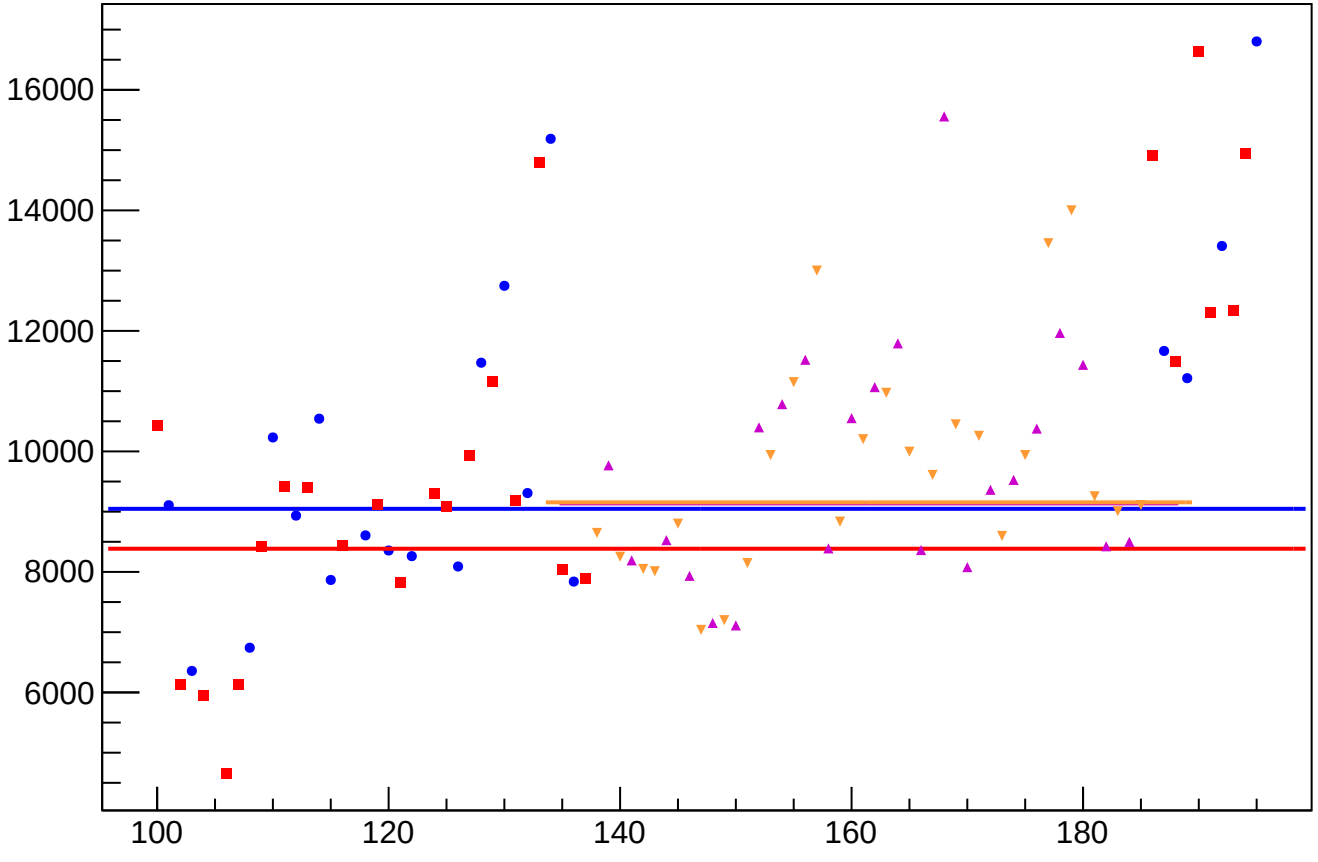
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -294.530+/-1733.611 χ^2/NDF: 44.7/44

All: 674.256+/-1207.300 χ^2/NDF: 87.9/92

- sign 1586.549+/-1682.305 χ^2/NDF: 42.6/47

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: 8384.916+/-1.875 χ^2/NDF: 2151166.9/24

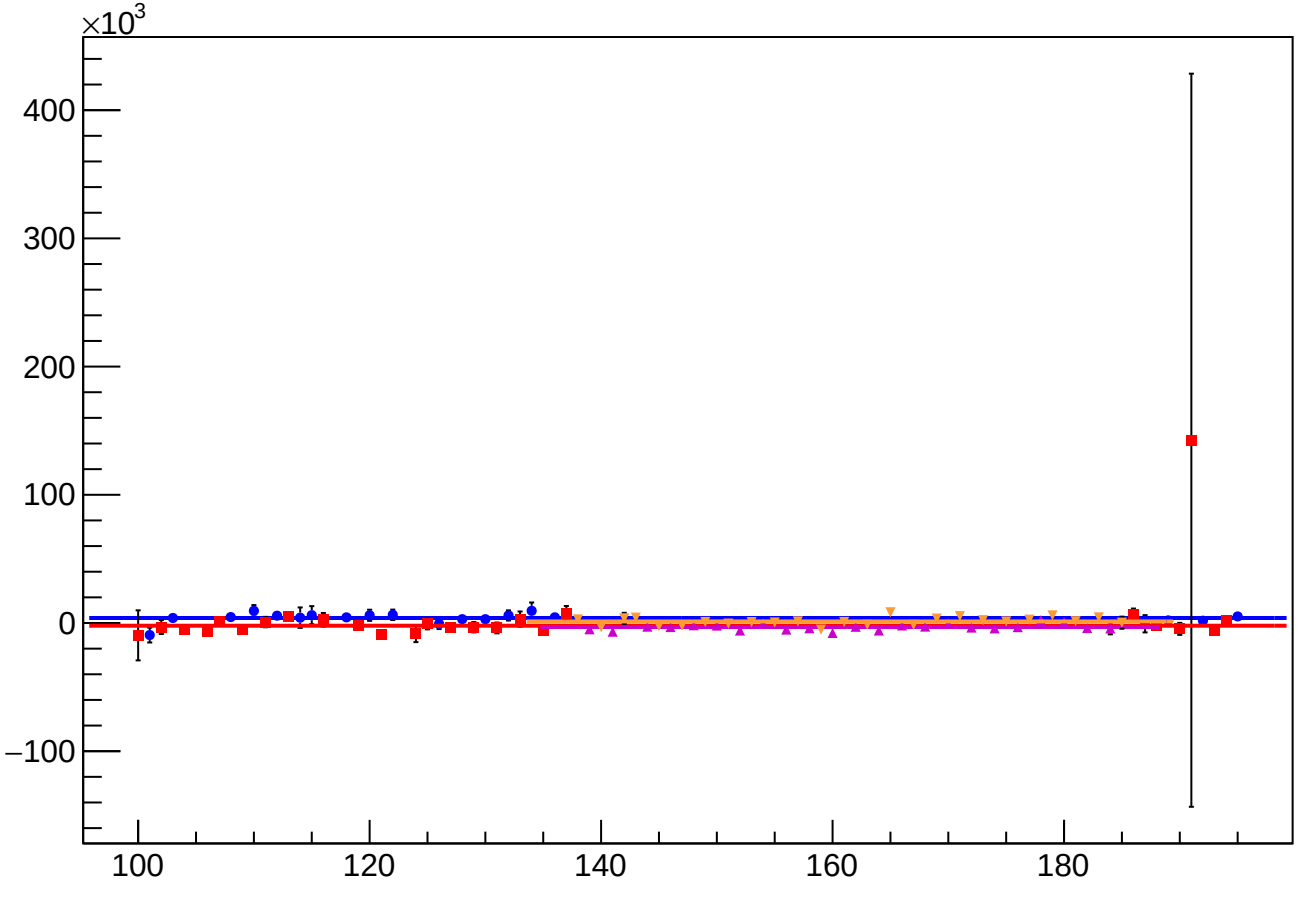
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9118.852+/-1.226 χ^2/NDF: 2359090.6/44

All: 8972.481+/-0.854 χ^2/NDF: 5807007.9/92

- sign 8834.646+/-1.190 χ^2/NDF: 3420234.4/47

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: -2118.575+/-821.100 χ^2/NDF: 25.4/24

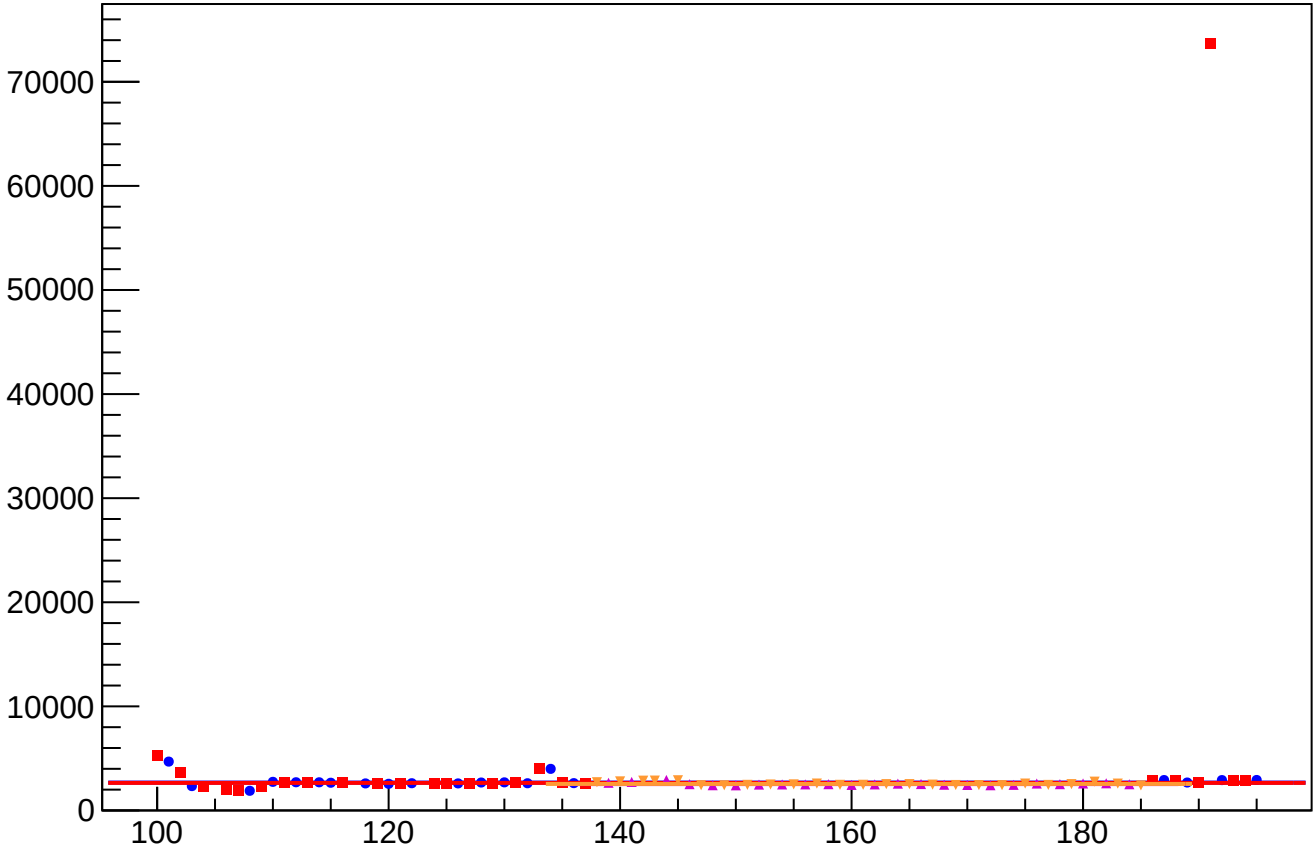
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2046.512+/-481.839 χ^2/NDF: 45.0/44

All: -383.316+/-340.154 χ^2/NDF: 138.6/92

- sign -2797.308+/-480.266 χ^2/NDF: 42.9/47

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: 2647.734+/-0.580 χ^2/NDF: 588702.9/24

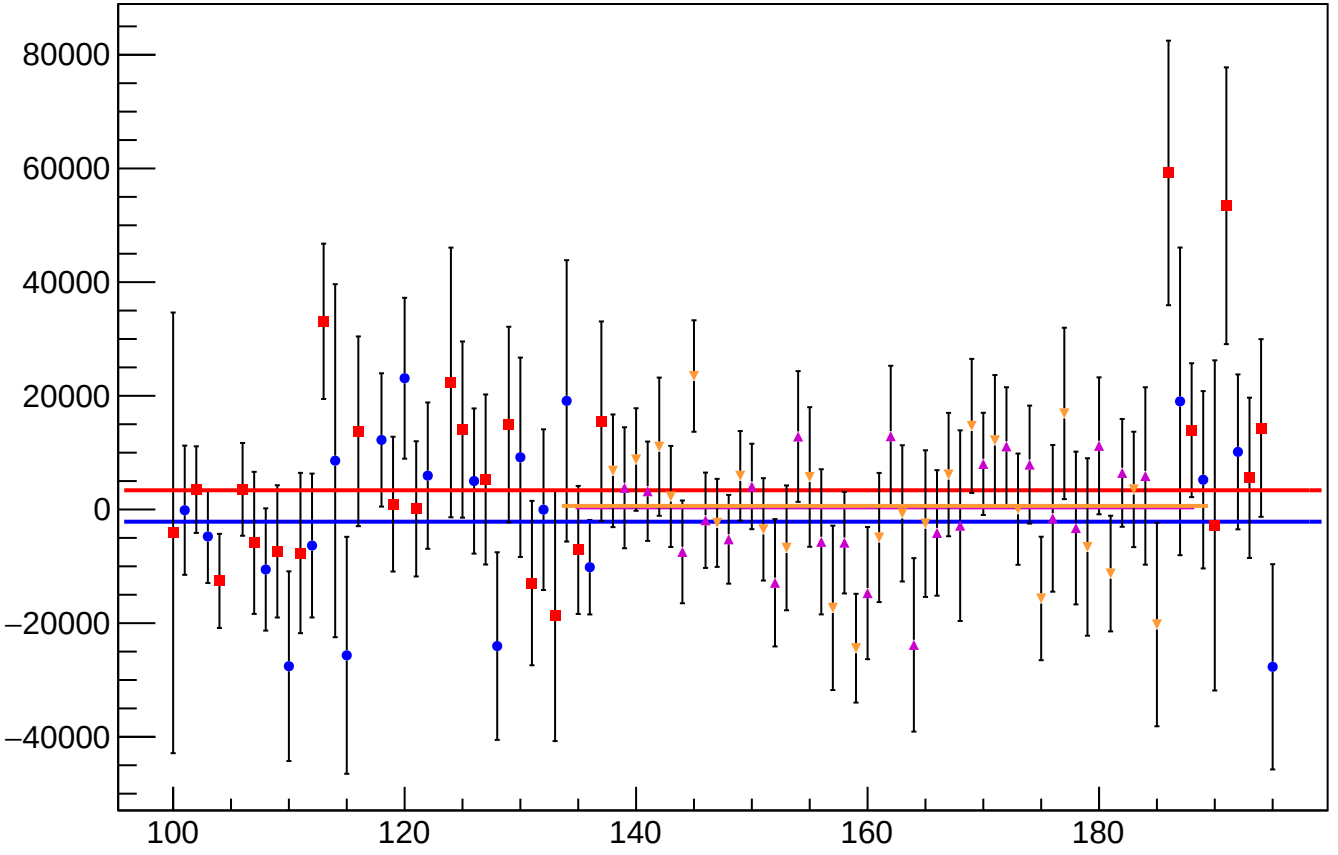
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2587.701+/-0.341 χ^2/NDF: 669859.8/44

All: 2579.887+/-0.241 χ^2/NDF: 1353858.4/92

- sign 2572.126+/-0.340 χ^2/NDF: 682950.1/47

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: 3380.871+/-2651.751 χ^2/NDF: 27.6/24

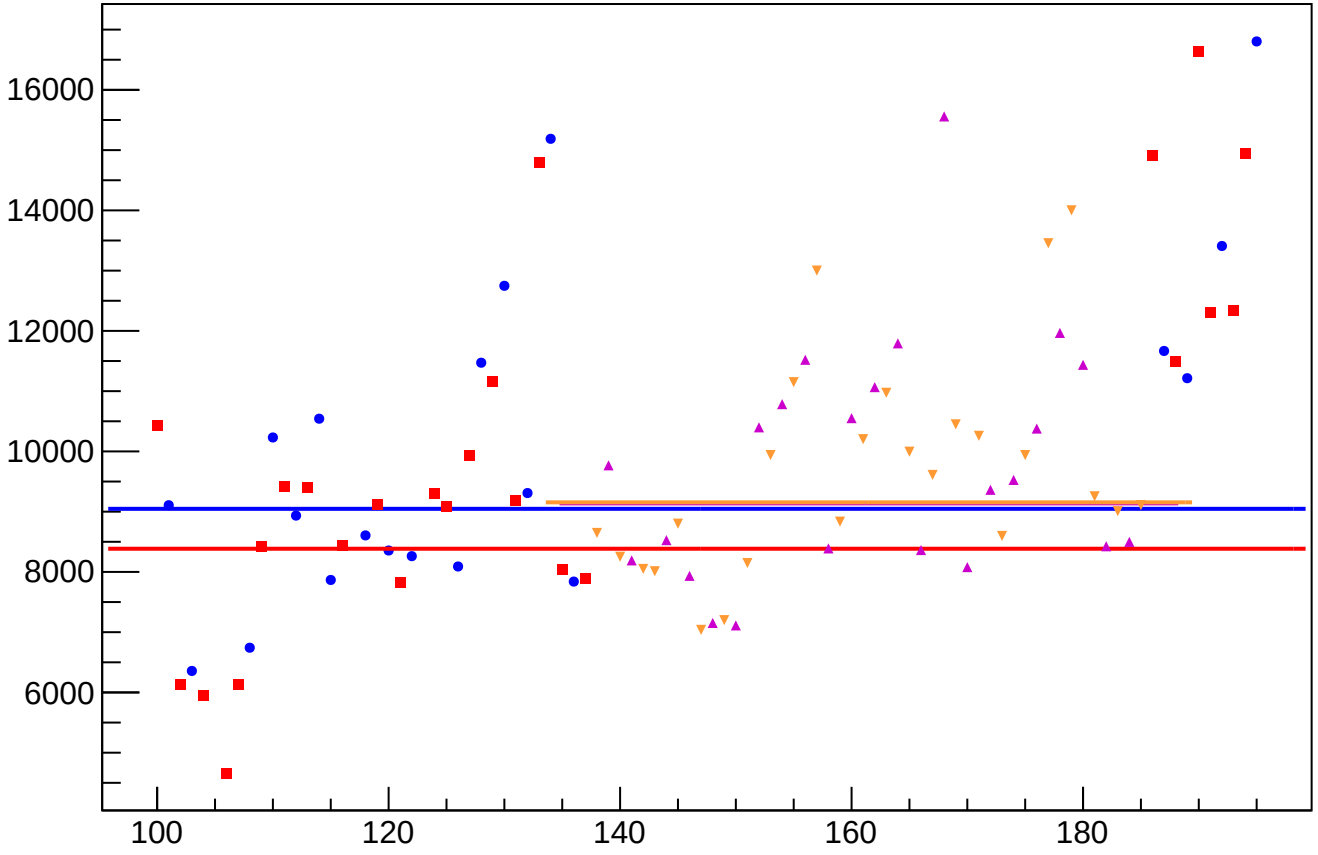
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign -294.526+/-1733.612 χ^2/NDF: 44.7/44

All: 674.260+/-1207.301 χ^2/NDF: 87.9/92

\- sign 1586.552+/-1682.306 χ^2/NDF: 42.6/47

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

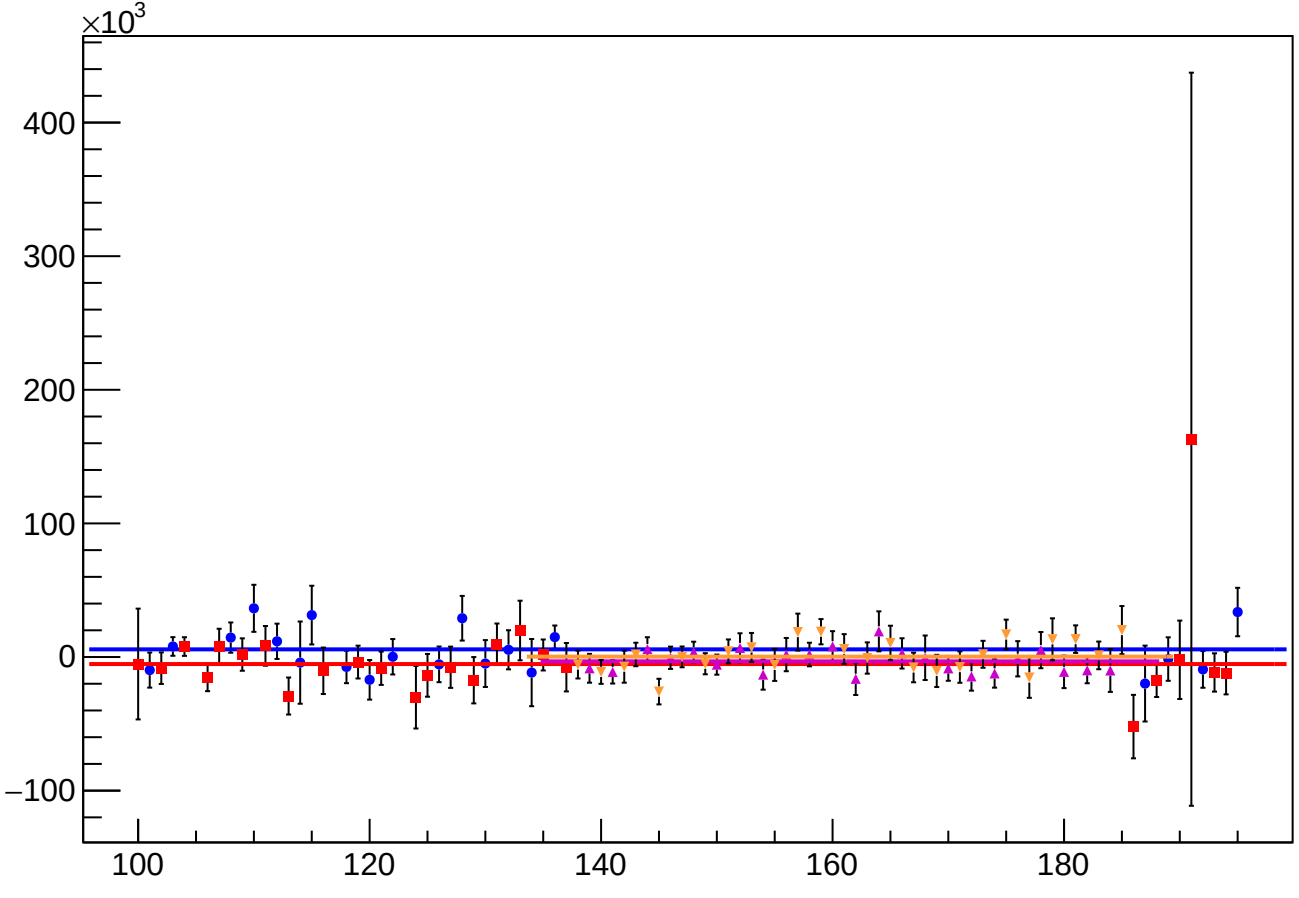
Right Out: 8384.904+/-1.875 χ^2/NDF: 2151168.1/24

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9118.858+/-1.226 χ^2/NDF: 2359093.4/44

All: 8972.486+/-0.854 χ^2/NDF: 5807023.0/92

- sign 8834.649+/-1.190 χ^2/NDF: 3420246.0/47



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: -5262.277+/-2830.877 χ^2/NDF: 20.1/24

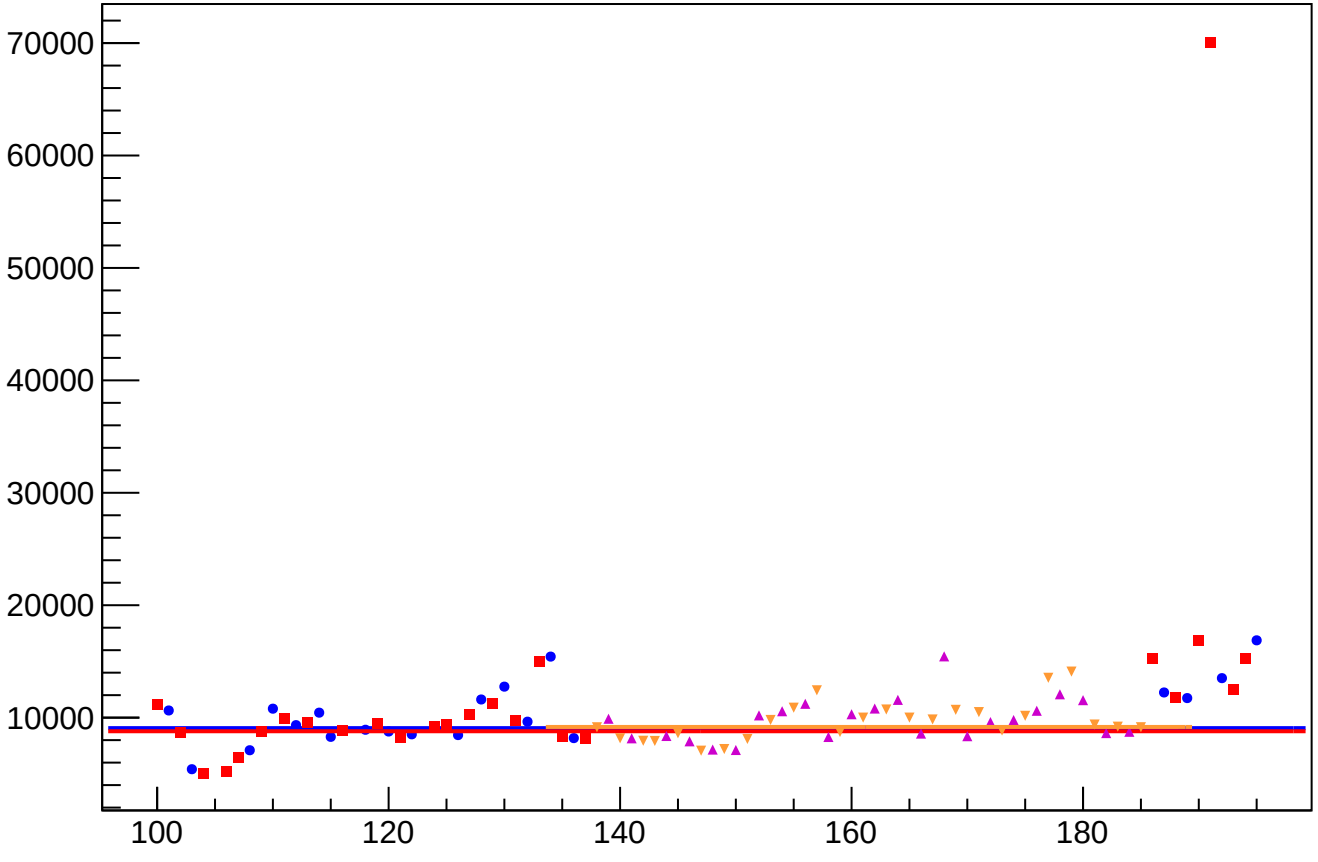
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2088.046+/-1740.722 χ^2/NDF: 48.2/44

All: -974.173+/-1226.044 χ^2/NDF: 88.3/92

- sign -3988.775+/-1727.134 χ^2/NDF: 33.9/47

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: 8789.485+/-2.002 χ^2/NDF: 2163244.1/24

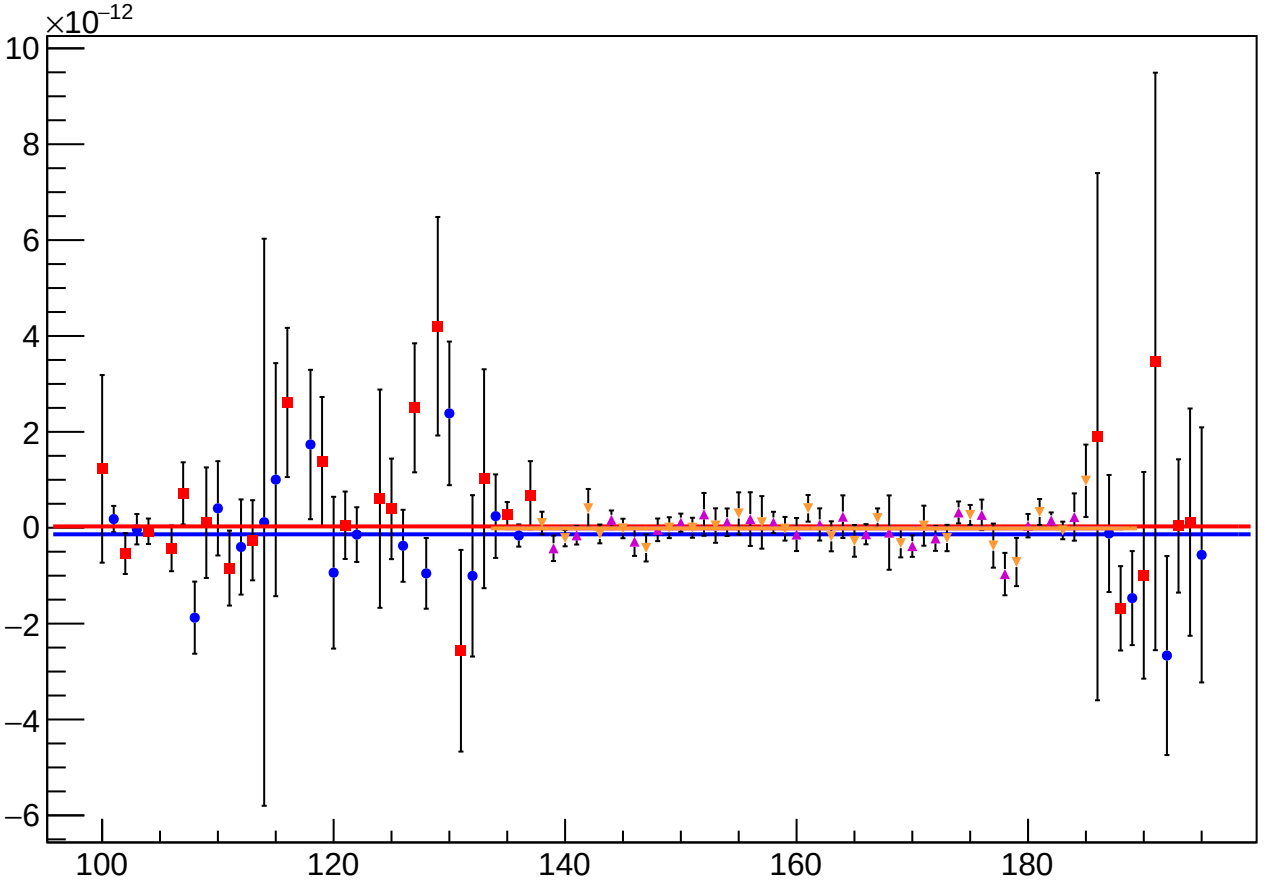
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9138.058+/-1.231 χ^2/NDF: 2679713.7/44

All: 9080.334+/-0.867 χ^2/NDF: 5996629.4/92

- sign 9023.508+/-1.221 χ^2/NDF: 3312551.3/47

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: 24.2/24

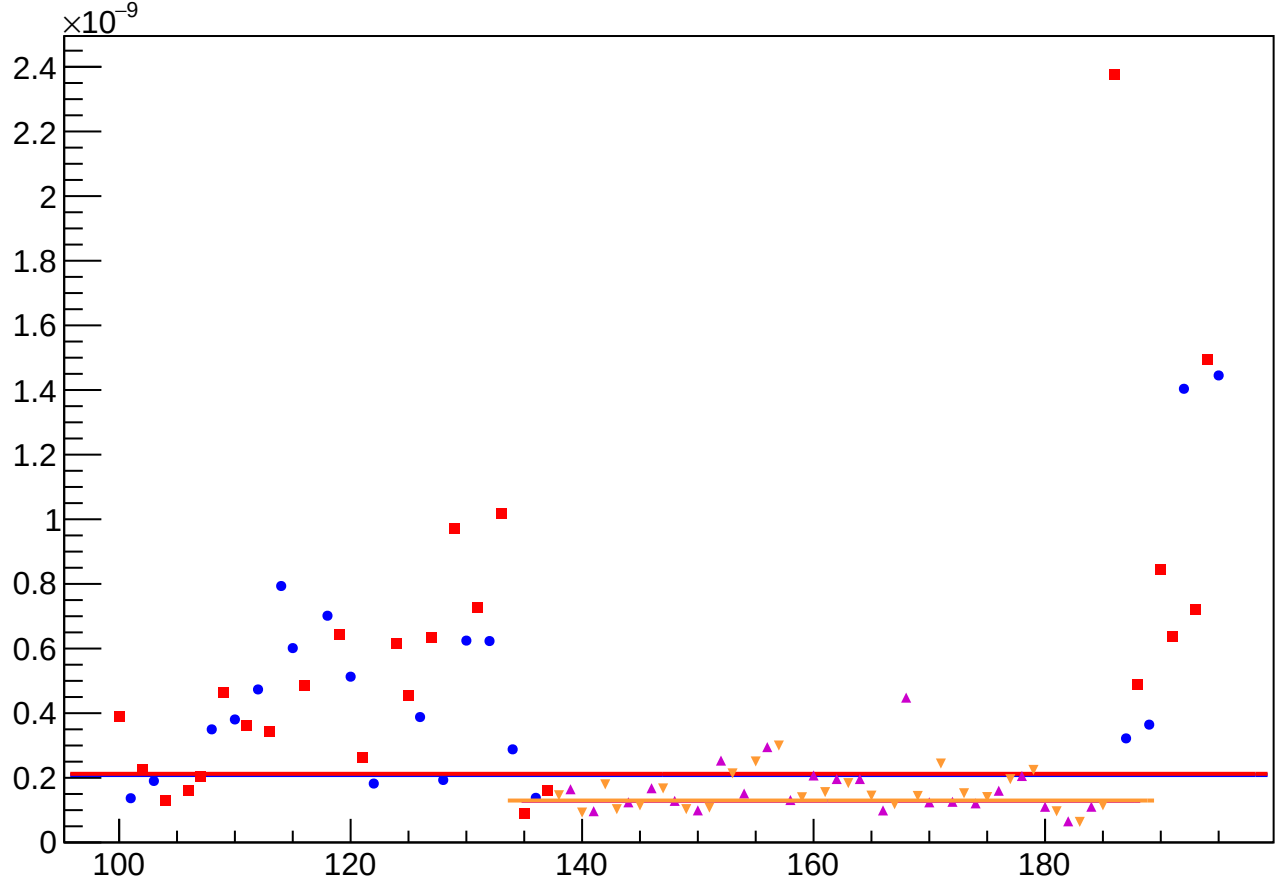
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/44

All: -0.000+/-0.000 χ^2/NDF: 80.7/92

- sign -0.000+/-0.000 χ^2/NDF: 43.4/47

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: 3651227.8/24

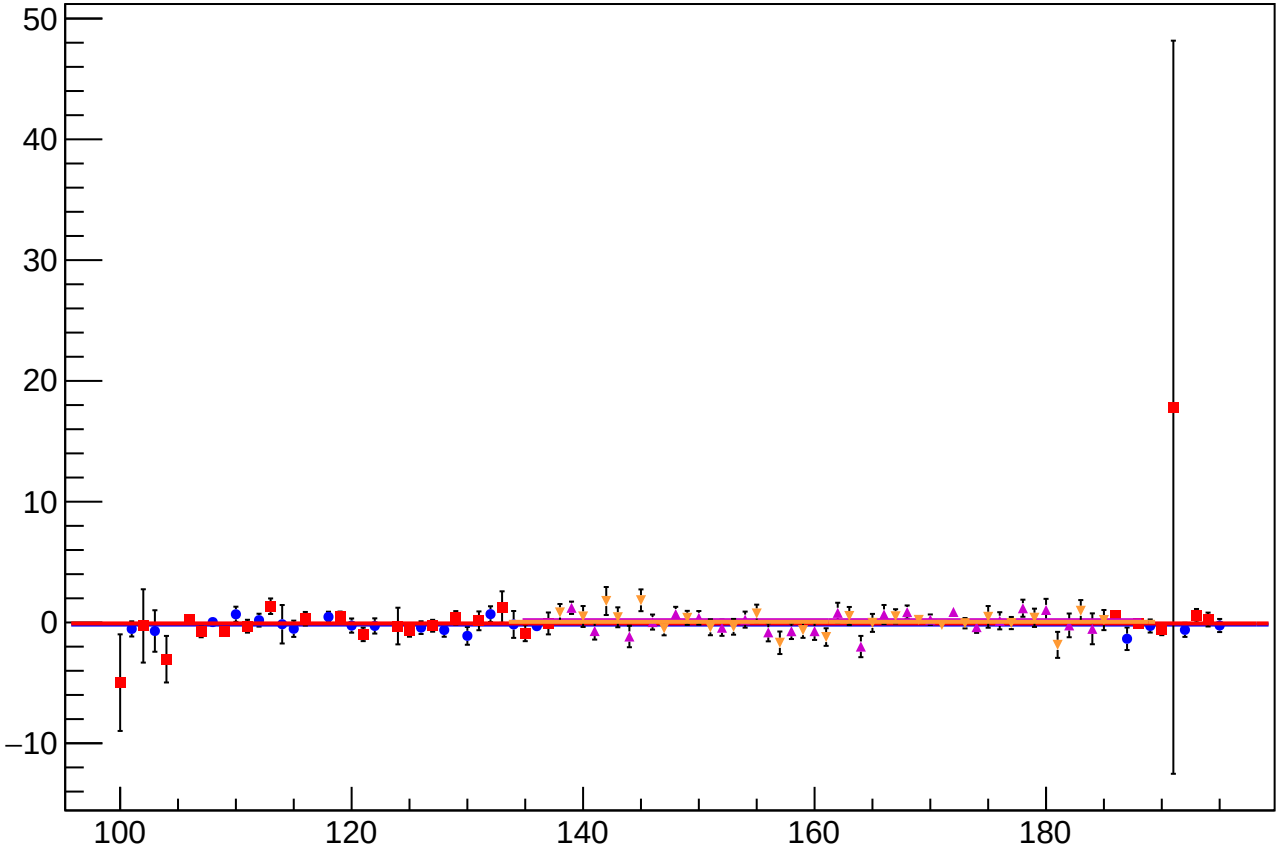
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4529897.5/44

All: 0.000+/-0.000 χ^2/NDF: 10354119.1/92

- sign 0.000+/-0.000 χ^2/NDF: 5824027.9/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

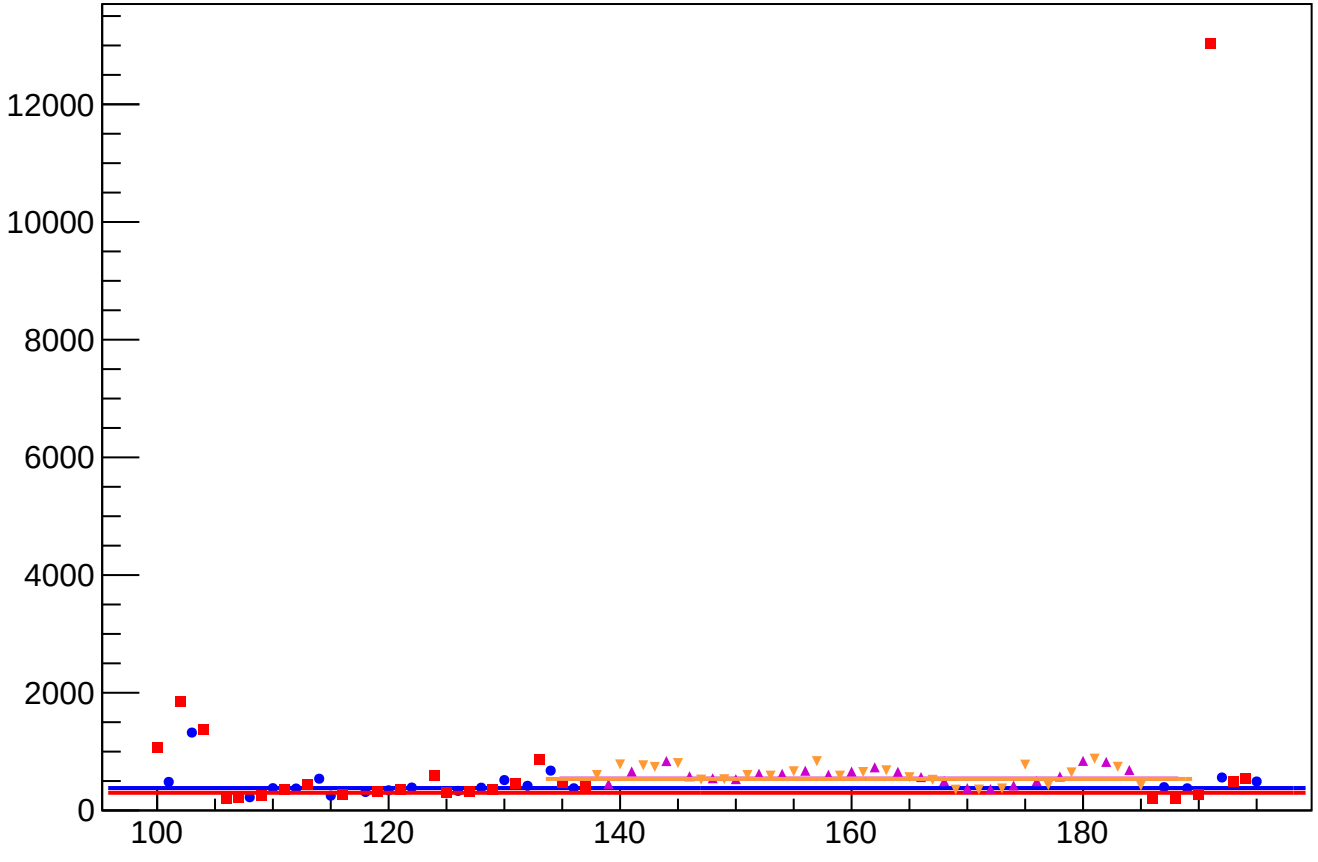
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.013+/-0.061 χ^2/NDF: 103.3/92

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

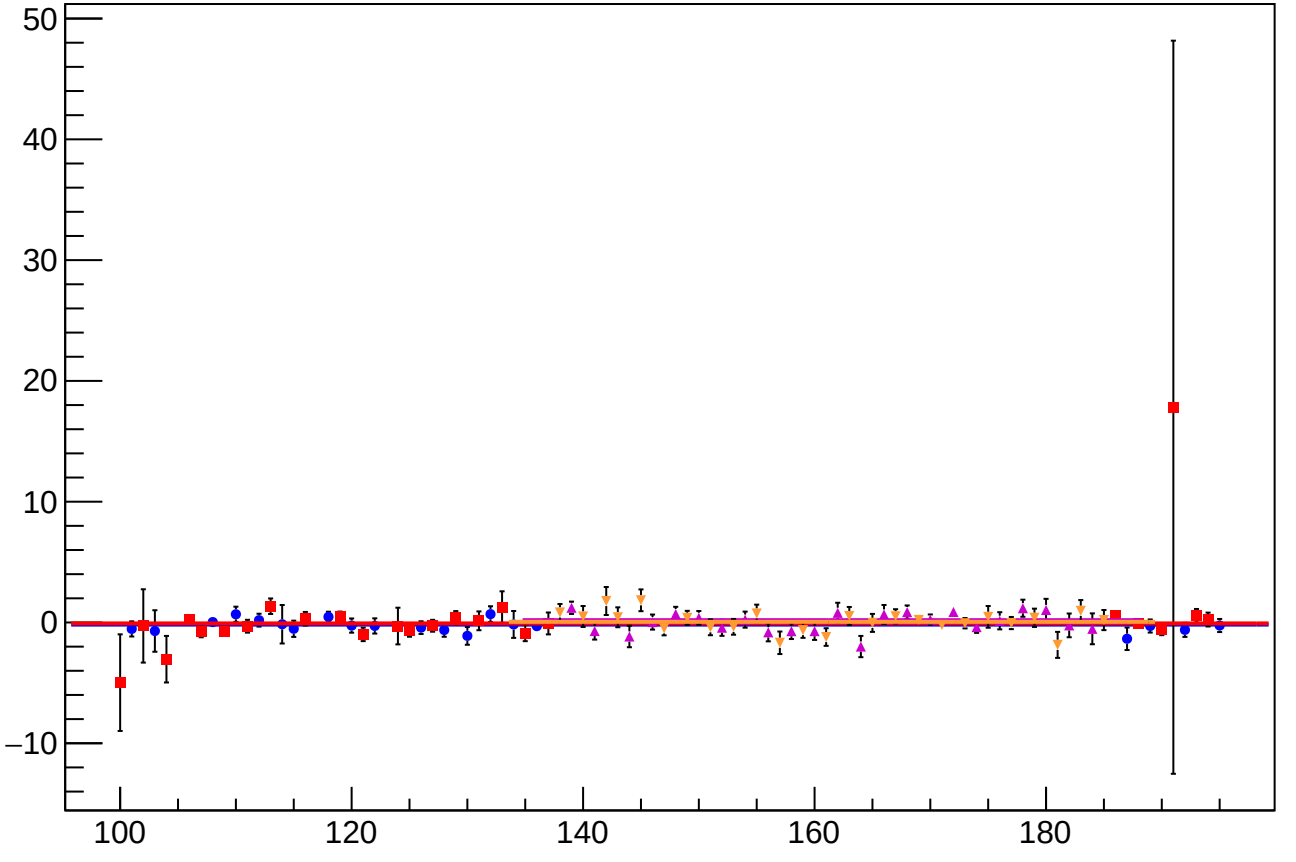
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.117+/-0.065 χ^2/NDF: 5854122.4/44

All: 421.496+/-0.043 χ^2/NDF: 16259893.3/92

- sign 391.599+/-0.058 χ^2/NDF: 9804910.0/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

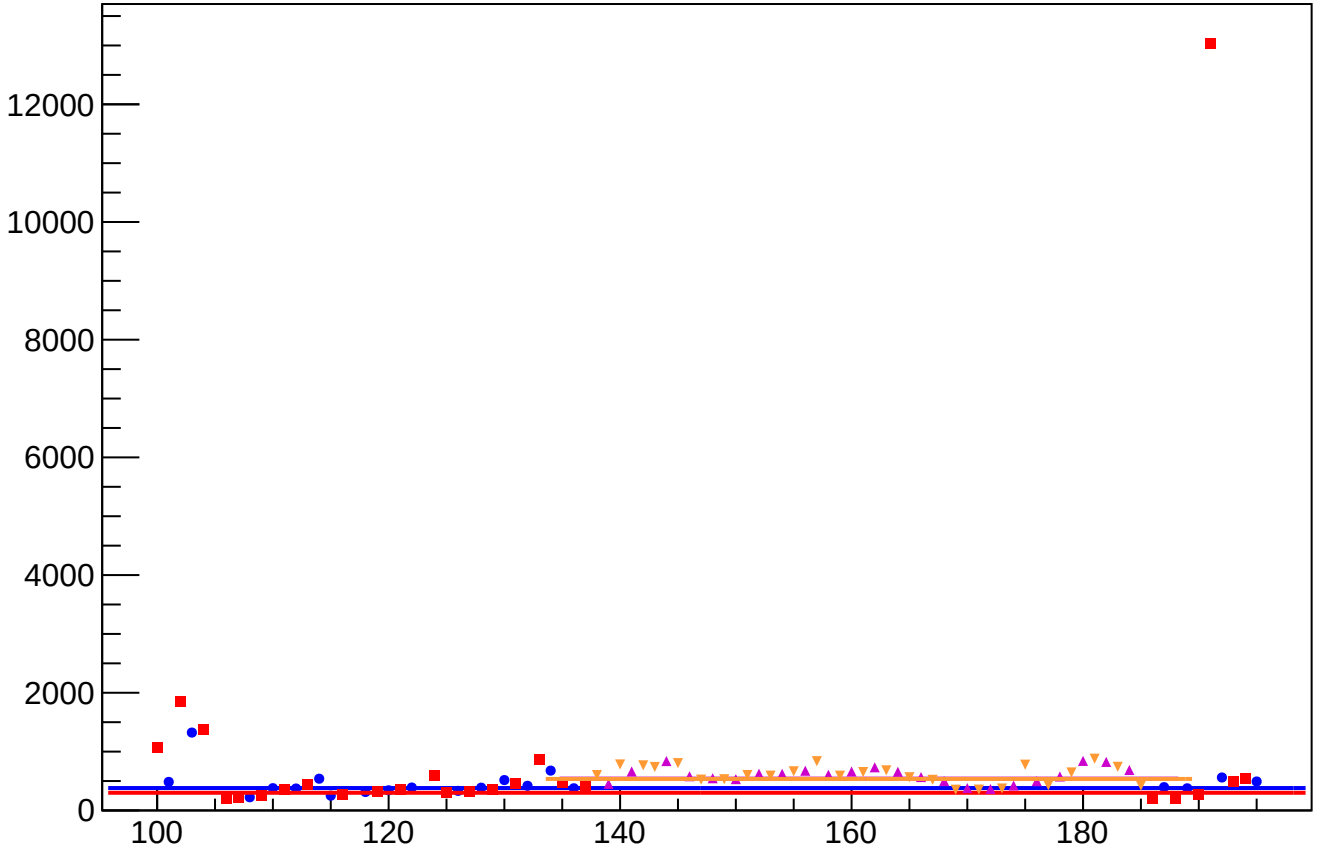
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.013+/-0.061 χ^2/NDF: 103.3/92

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

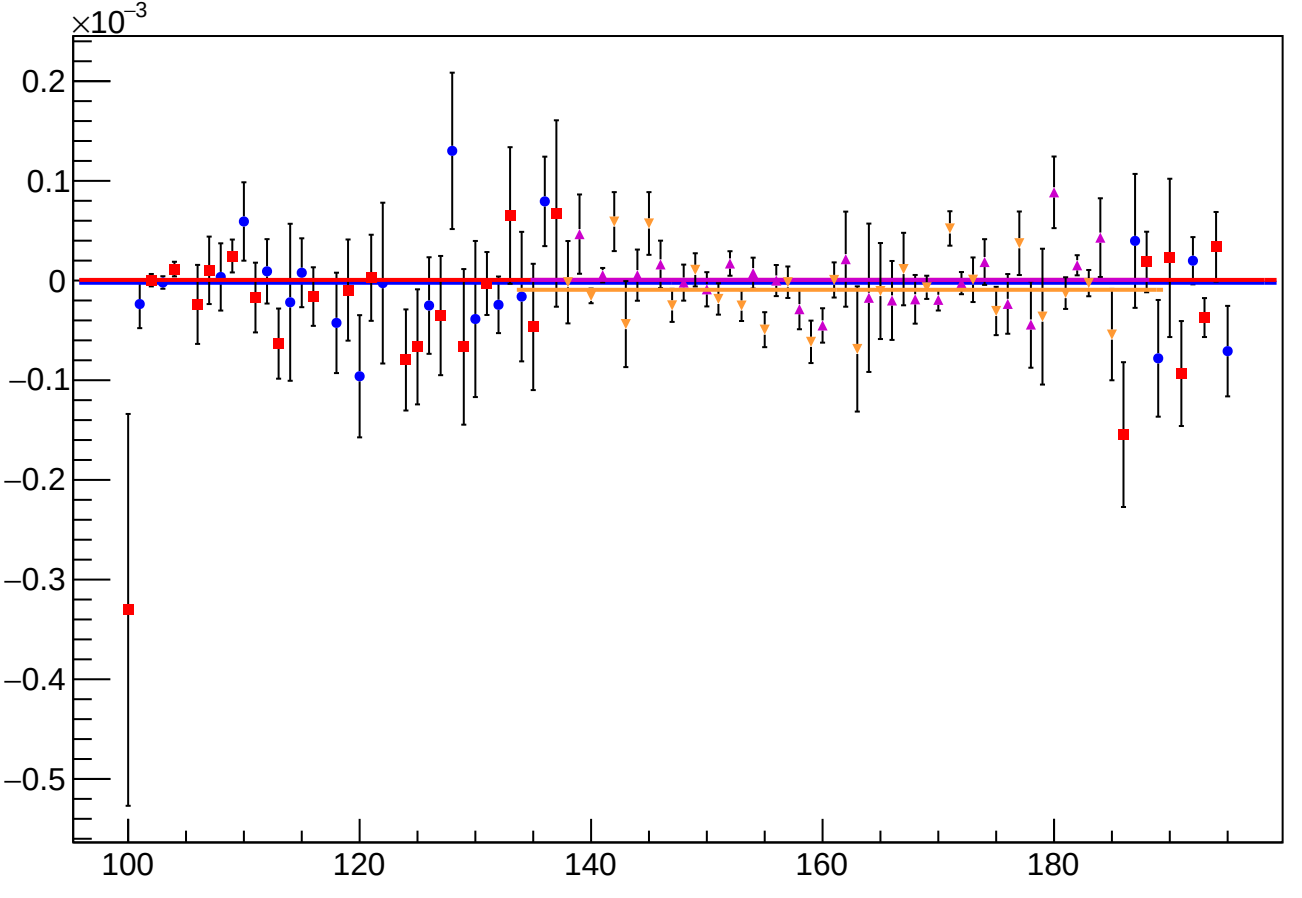
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.117+/-0.065 χ^2/NDF: 5854122.4/44

All: 421.496+/-0.043 χ^2/NDF: 16259893.3/92

- sign 391.599+/-0.058 χ^2/NDF: 9804910.0/47

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

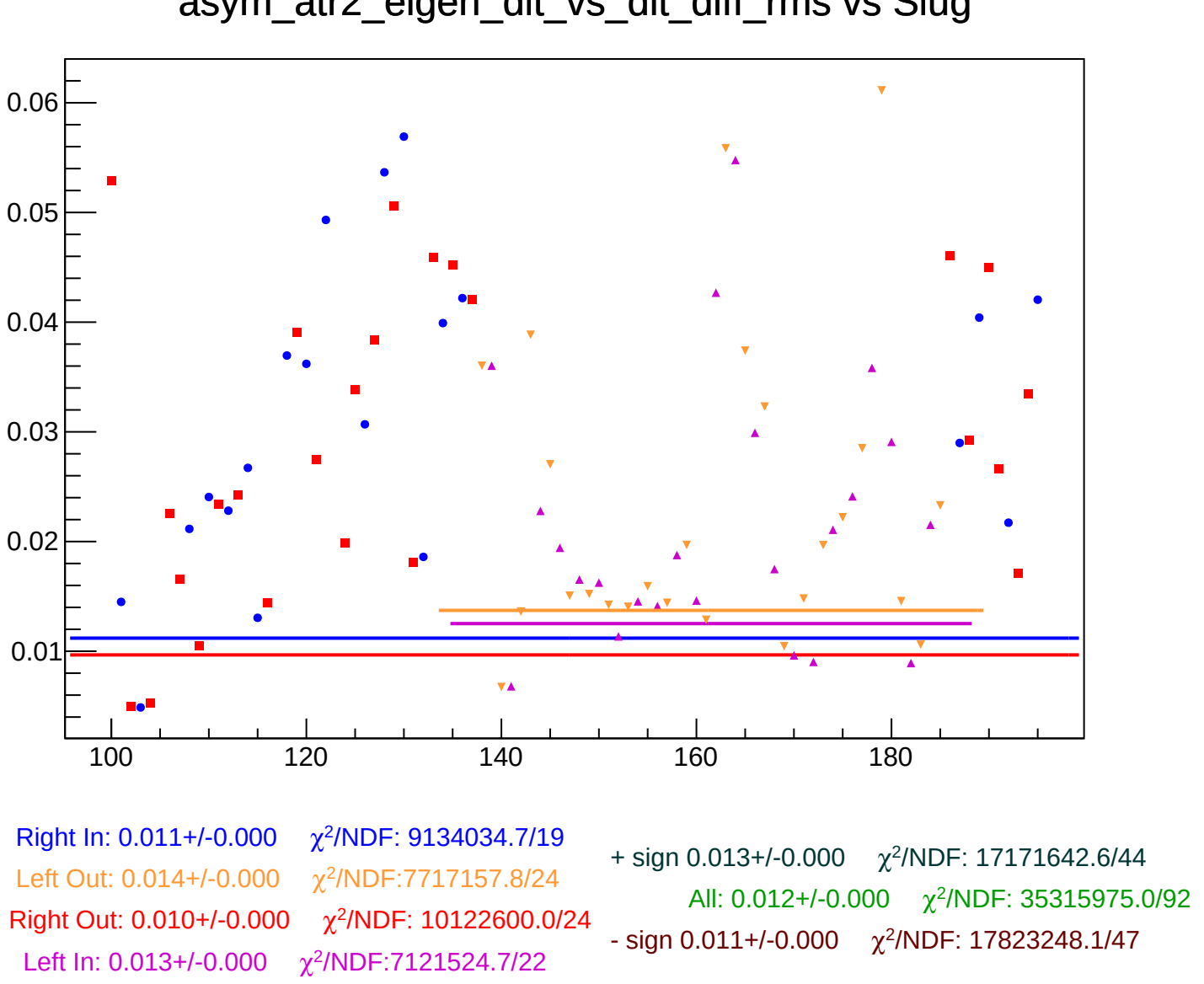
Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/24

Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

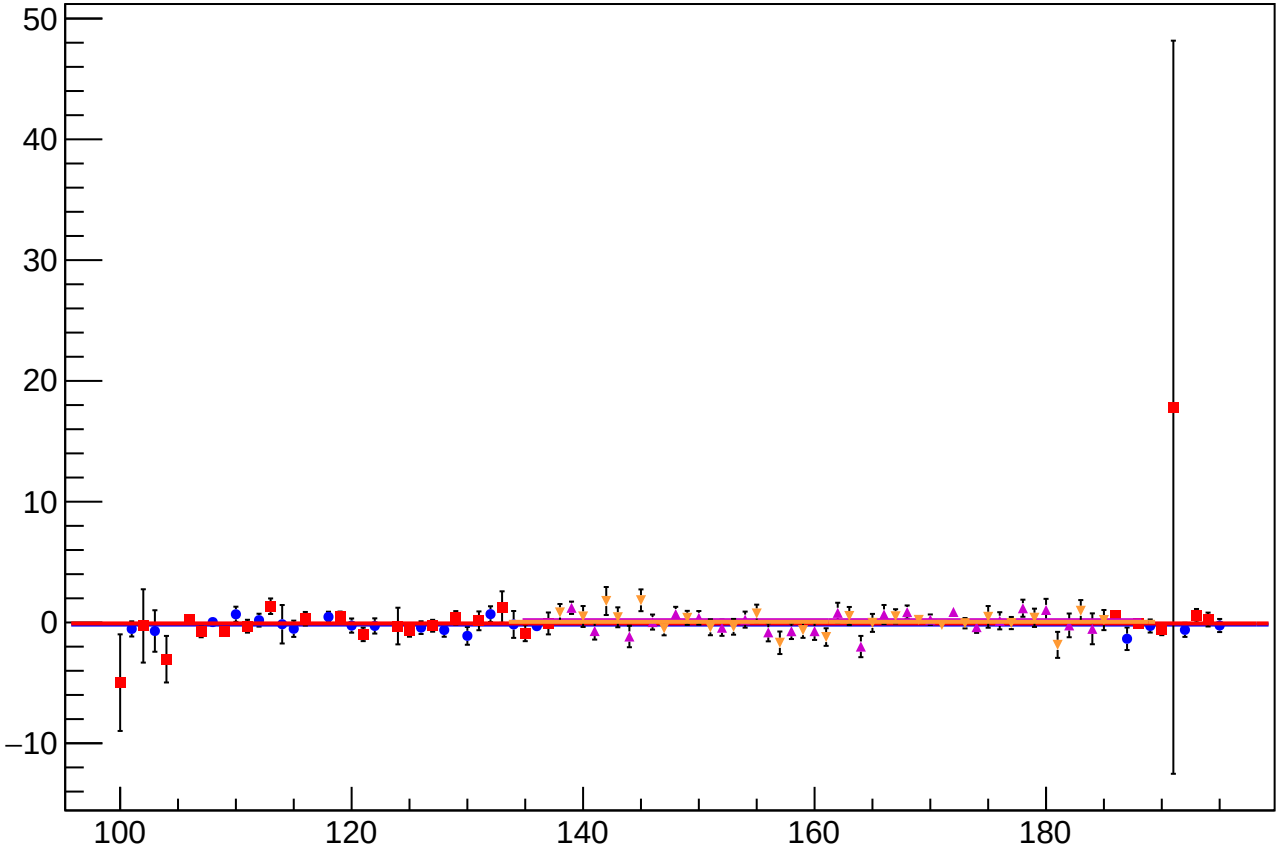
+ sign -0.000+/-0.000 χ^2/NDF: 65.4/44

All: -0.000+/-0.000 χ^2/NDF: 130.4/92

- sign 0.000+/-0.000 χ^2/NDF: 61.3/47


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.06
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
Right In: 0.011+/-0.000 χ²/NDF: 9134034.7/19
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.010+/-0.000 χ²/NDF: 10122600.0/24
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
+ sign 0.013+/-0.000 χ²/NDF: 17171642.6/44
All: 0.012+/-0.000 χ²/NDF: 35315975.0/92
- sign 0.011+/-0.000 χ²/NDF: 17823248.1/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

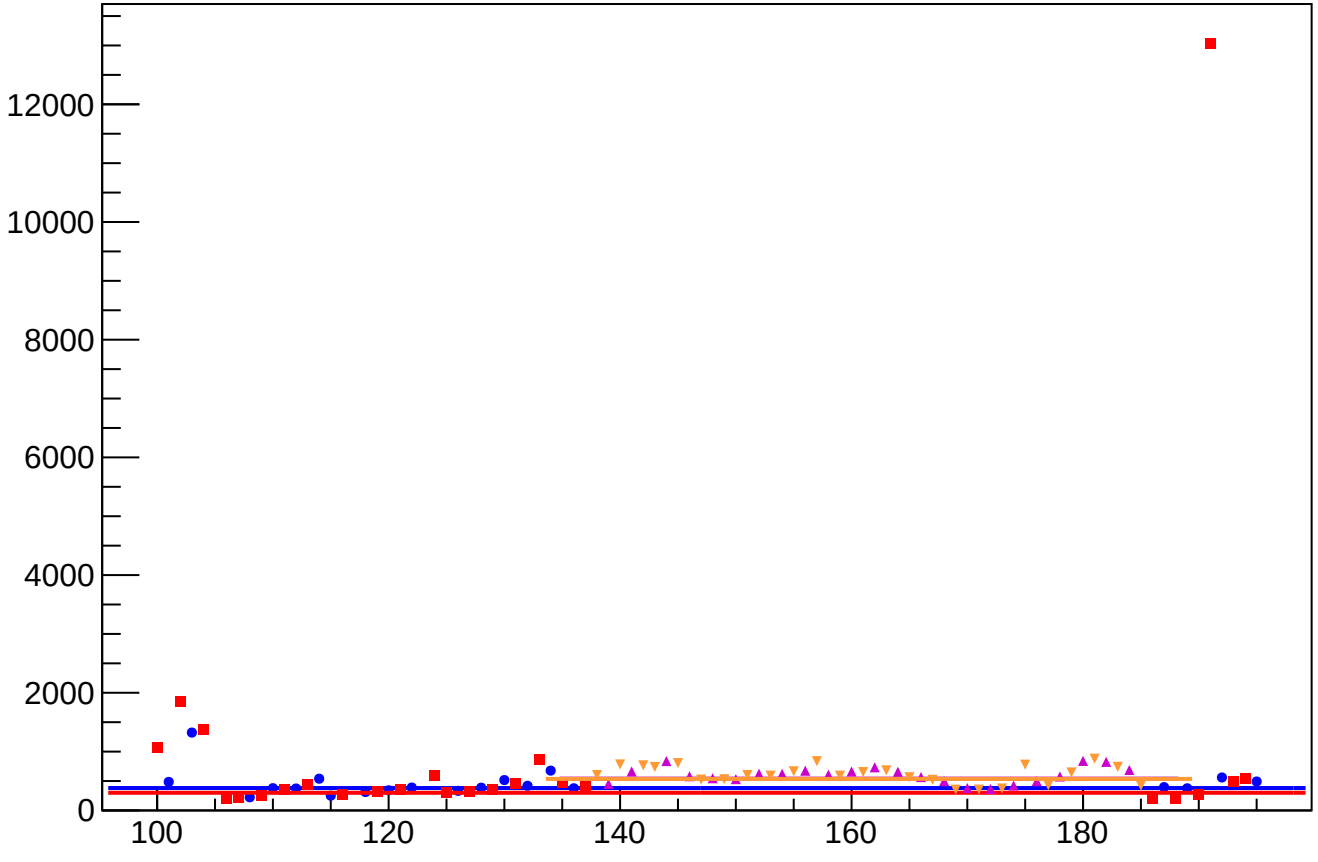
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.013+/-0.061 χ^2/NDF: 103.3/92

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

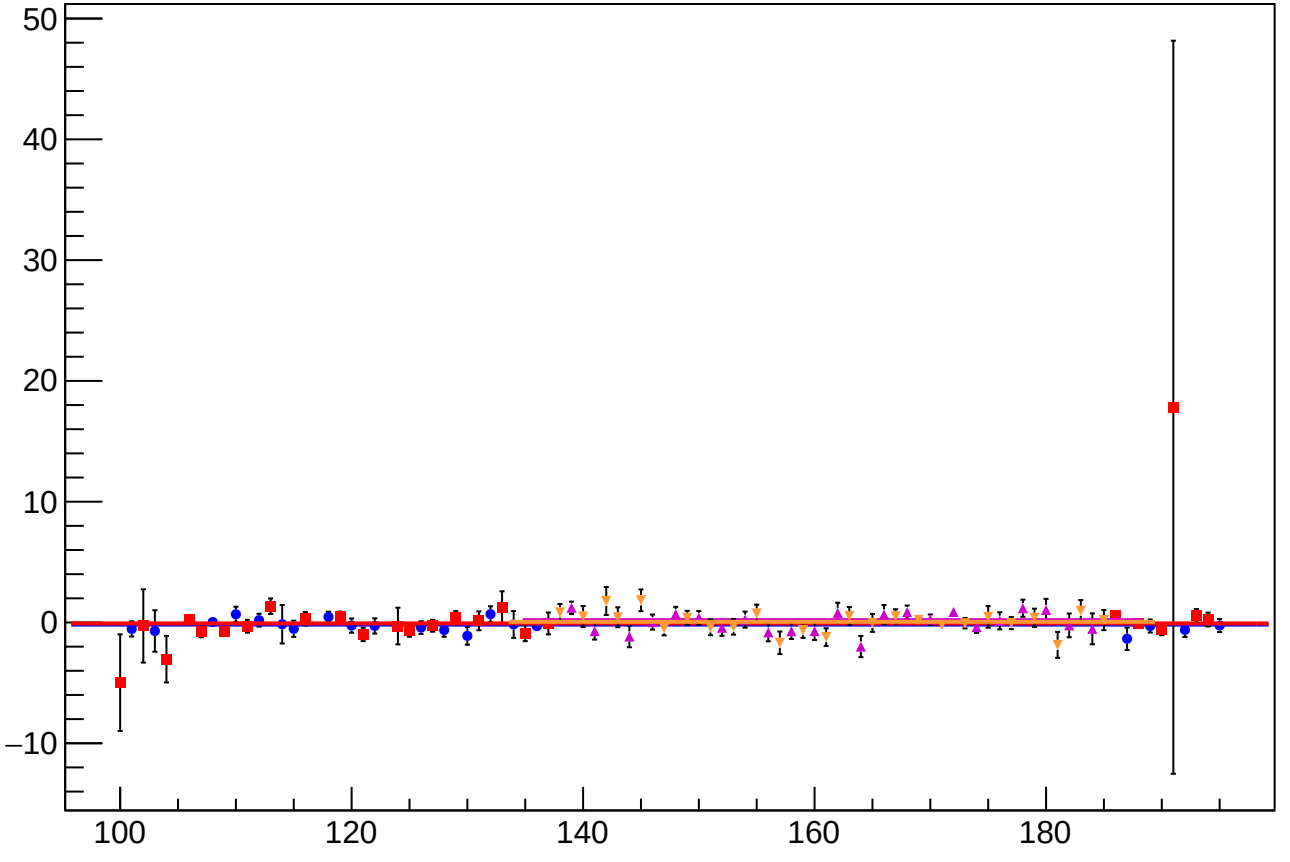
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 459.116+/-0.065 χ^2/NDF: 5854361.1/44

All: 421.496+/-0.043 χ^2/NDF: 16260203.8/92

- sign 391.600+/-0.058 χ^2/NDF: 9805014.1/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

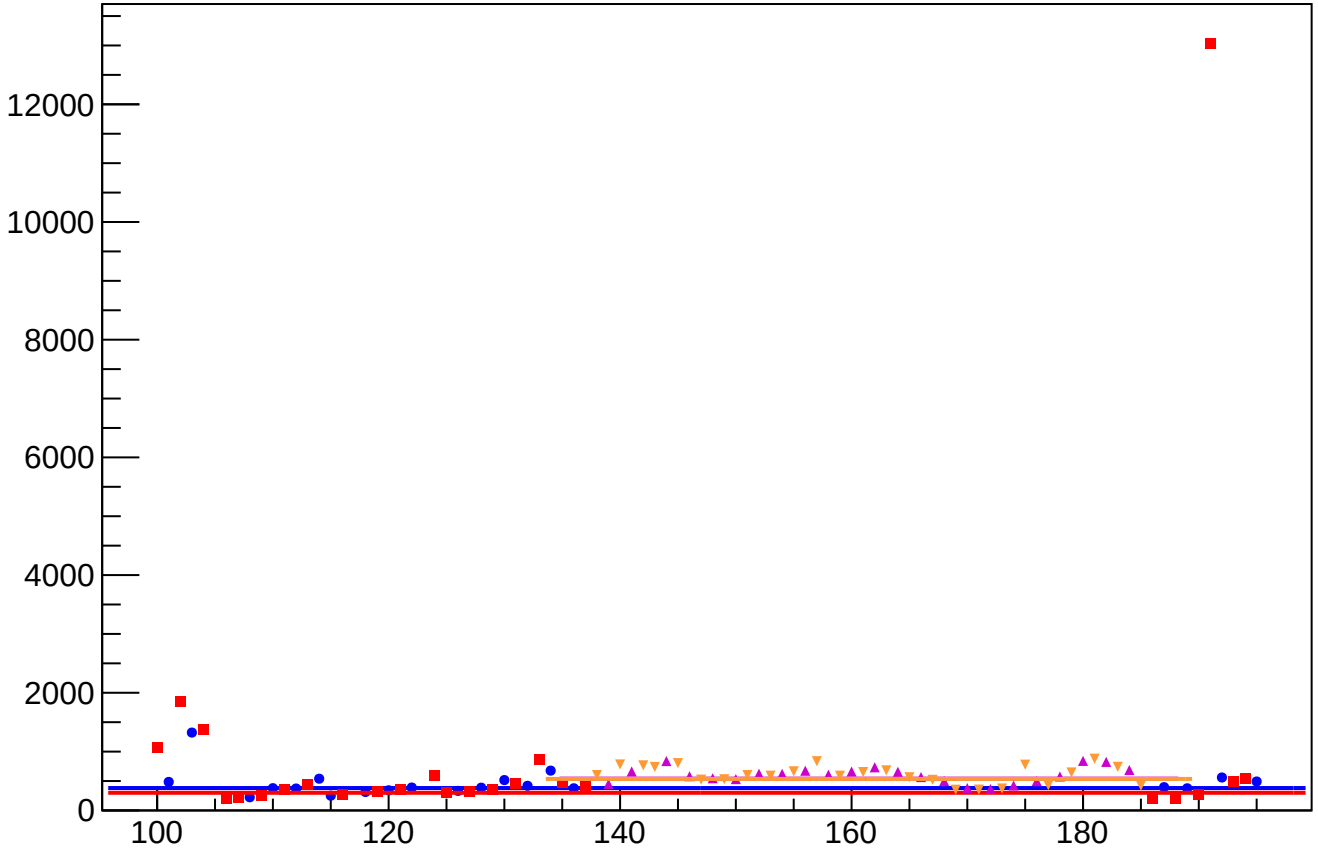
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.092 χ^2/NDF: 38.4/44

All: -0.013+/-0.061 χ^2/NDF: 103.3/92

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

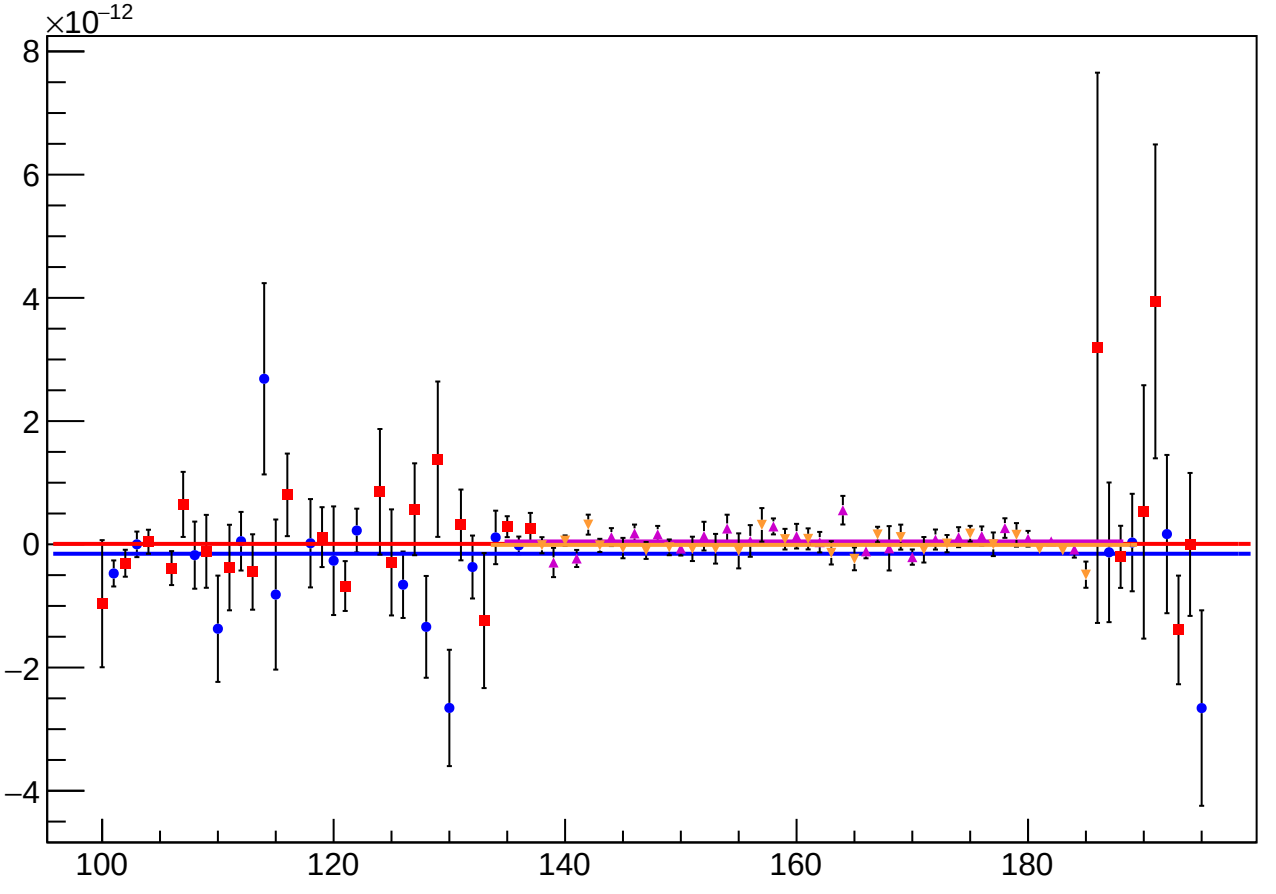
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 459.116+/-0.065 χ^2/NDF: 5854361.1/44

All: 421.496+/-0.043 χ^2/NDF: 16260203.8/92

- sign 391.600+/-0.058 χ^2/NDF: 9805014.1/47

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

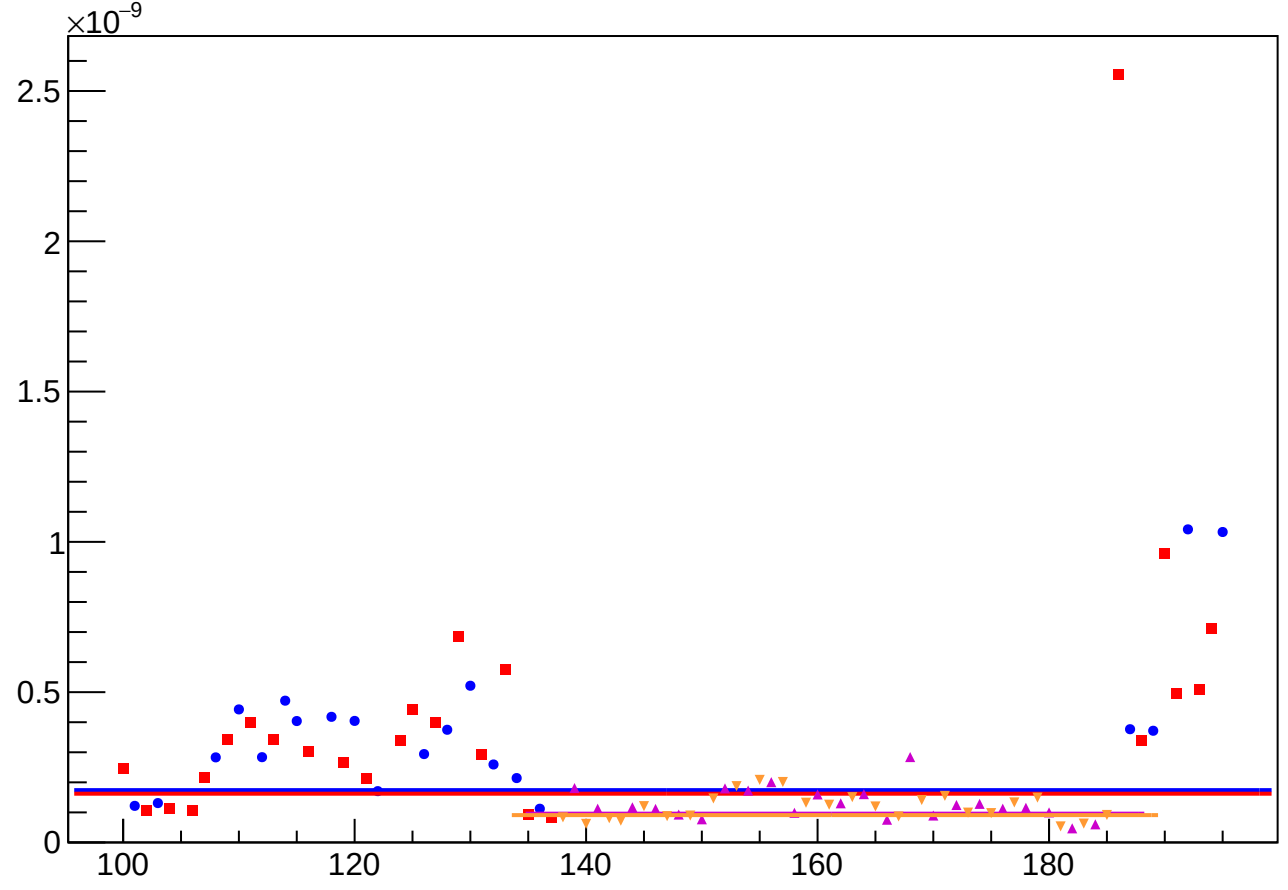
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

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: 104.8/92

- sign 0.000+/-0.000 χ^2/NDF: 53.5/47



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: 4810978.1/24

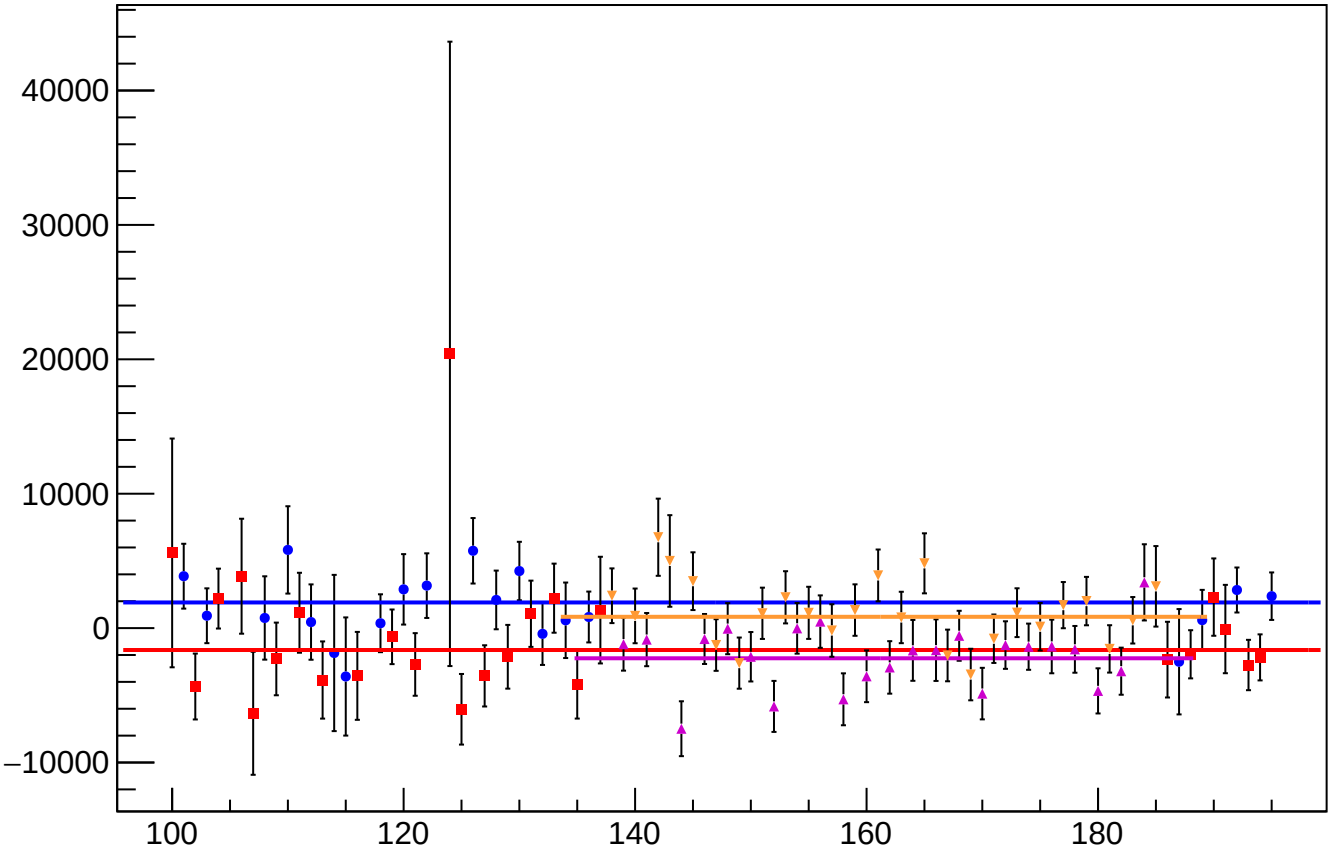
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8781045.4/44

All: 0.000+/-0.000 χ^2/NDF: 18698321.7/92

- sign 0.000+/-0.000 χ^2/NDF: 9888272.1/47

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: -1628.951+/-519.791 χ^2/NDF: 22.1/24

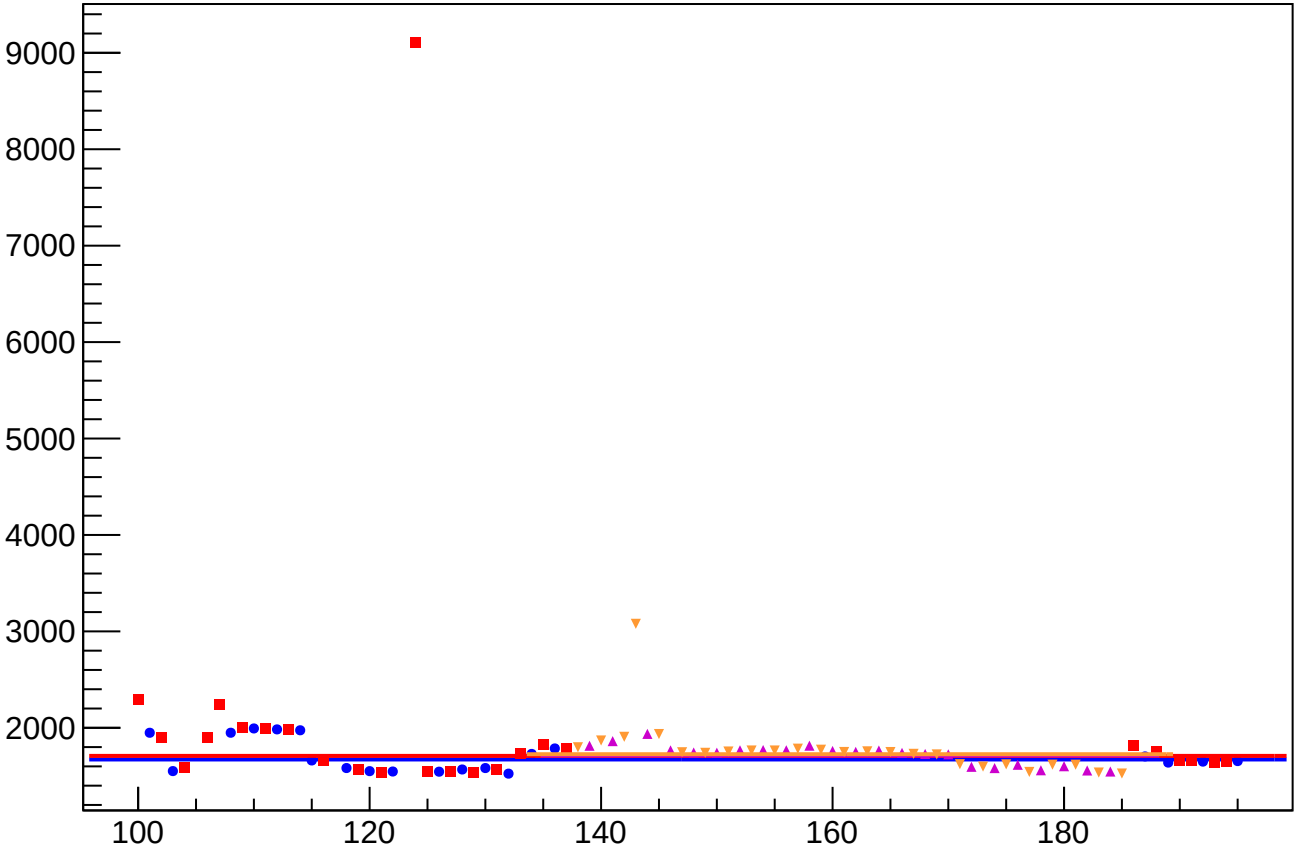
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.176+/-317.760 χ^2/NDF: 45.8/44

All: -401.541+/-224.555 χ^2/NDF: 149.9/92

- sign -2015.354+/-317.377 χ^2/NDF: 52.3/47

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: 1708.712+/-0.366 χ^2/NDF: 393735.1/24

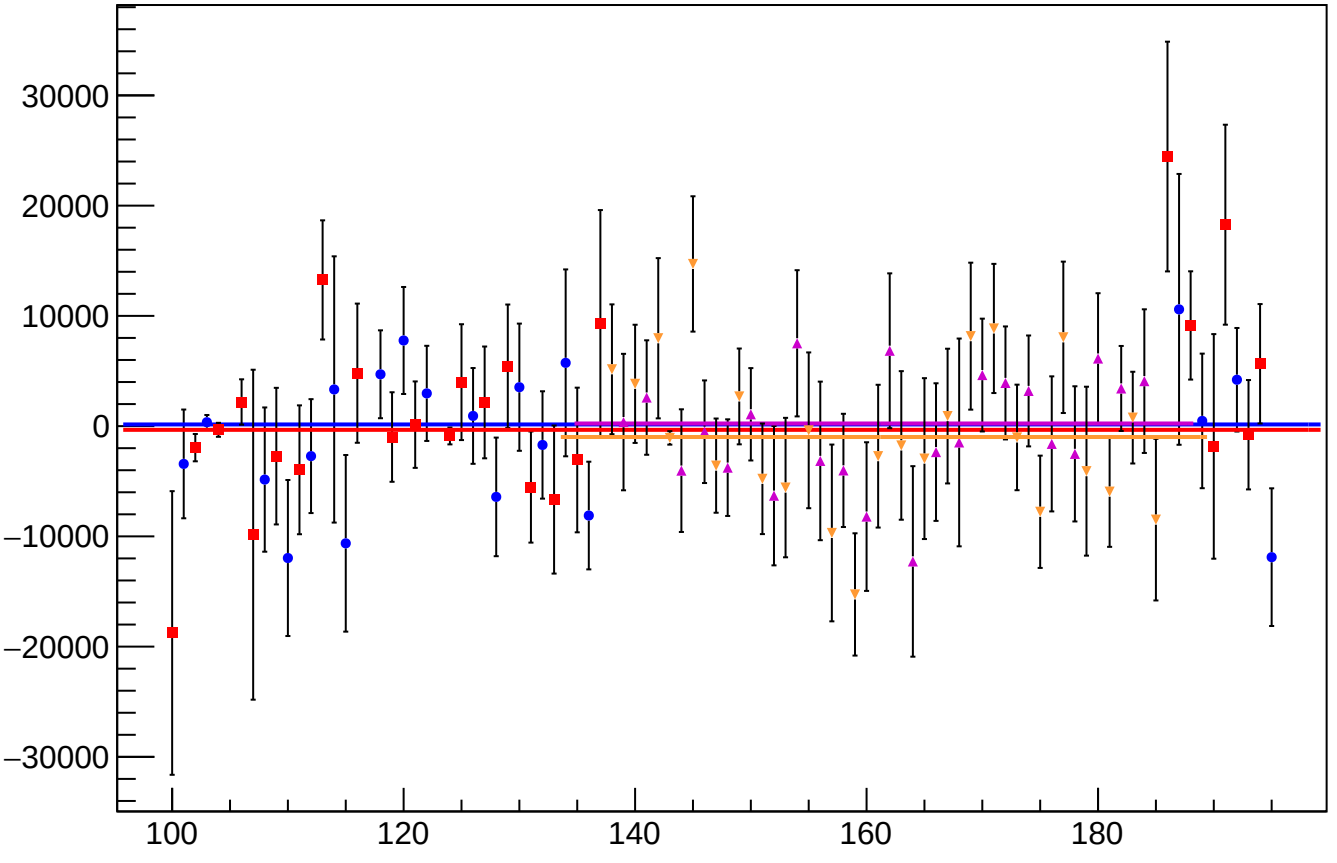
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.2/44

All: 1709.228+/-0.159 χ^2/NDF: 1134414.5/92

- sign 1711.493+/-0.224 χ^2/NDF: 523117.7/47

asym_atl_avg_reg_correction_mean vs Slug



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: -337.209+/-419.251 χ^2/NDF: 33.6/24

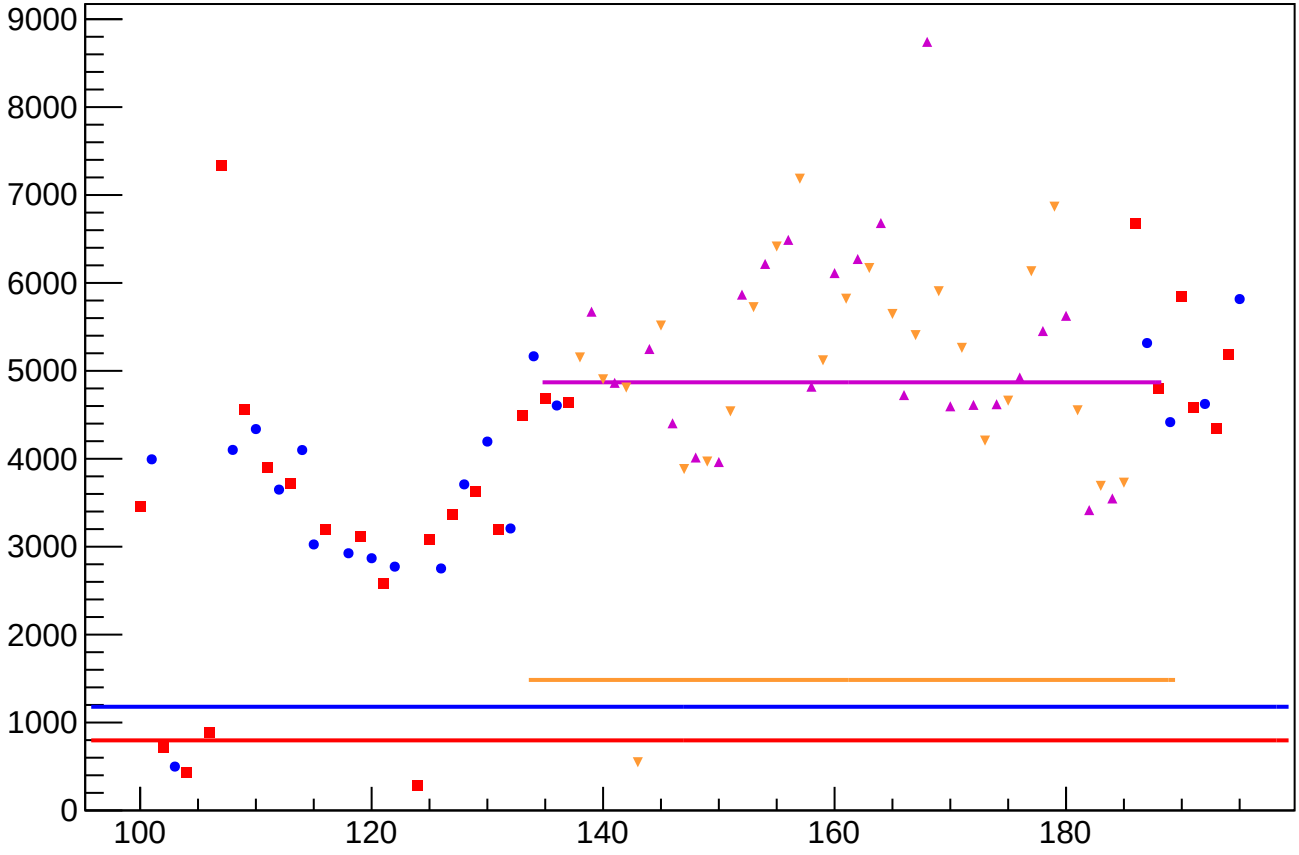
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -458.290+/-396.055 χ^2/NDF: 53.9/44

All: -364.313+/-279.497 χ^2/NDF: 101.3/92

- sign -271.080+/-394.486 χ^2/NDF: 47.3/47

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

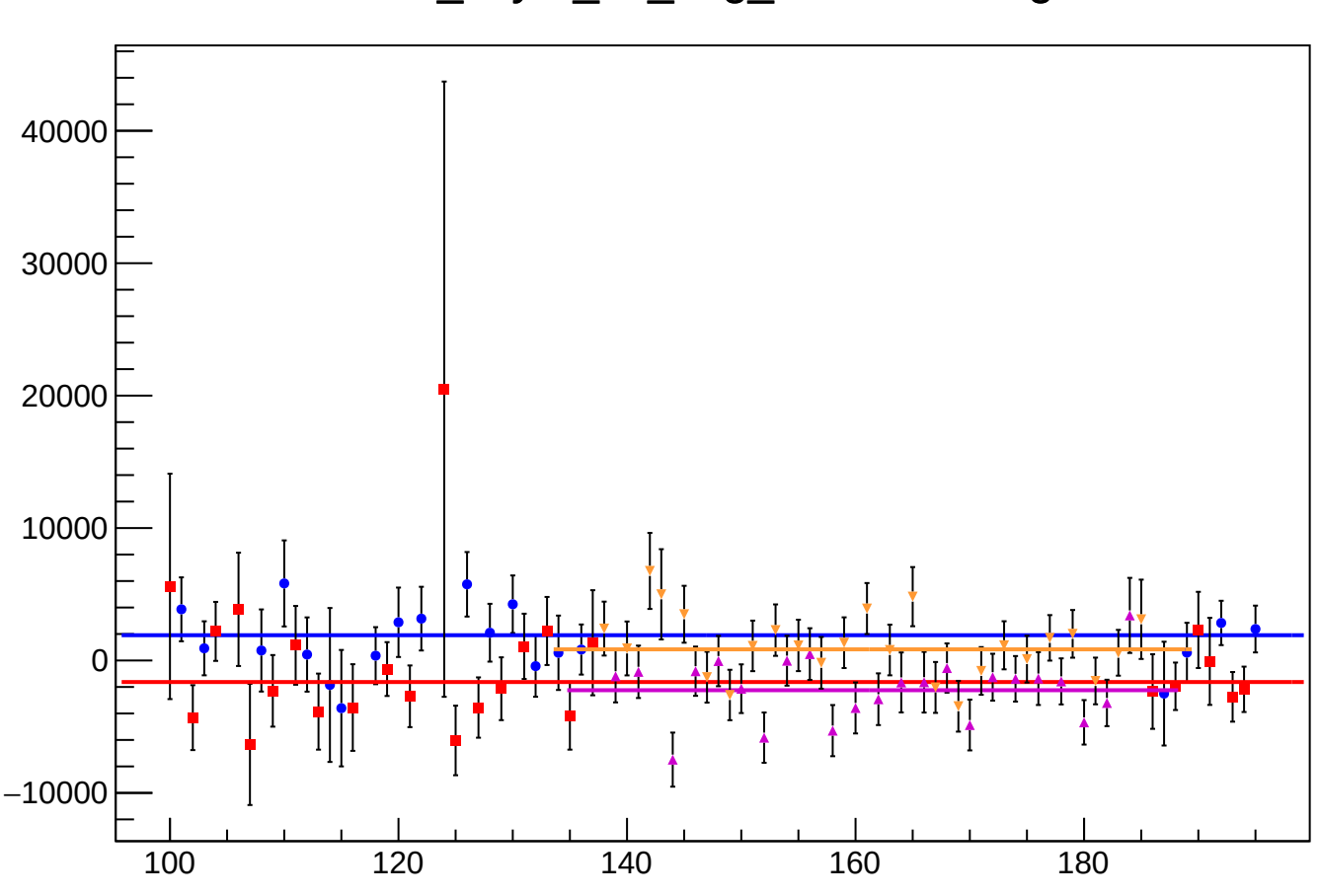
Right Out: 797.112+/-0.296 χ^2/NDF: 13903660.7/24

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1342.799+/-0.280 χ^2/NDF: 34706380.2/44

All: 1303.262+/-0.198 χ^2/NDF: 71761148.9/9

- sign 1264.038+/-0.279 χ^2/NDF: 37015065.2/47



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: -1627.308+/-519.793 χ^2/NDF: 22.0/24

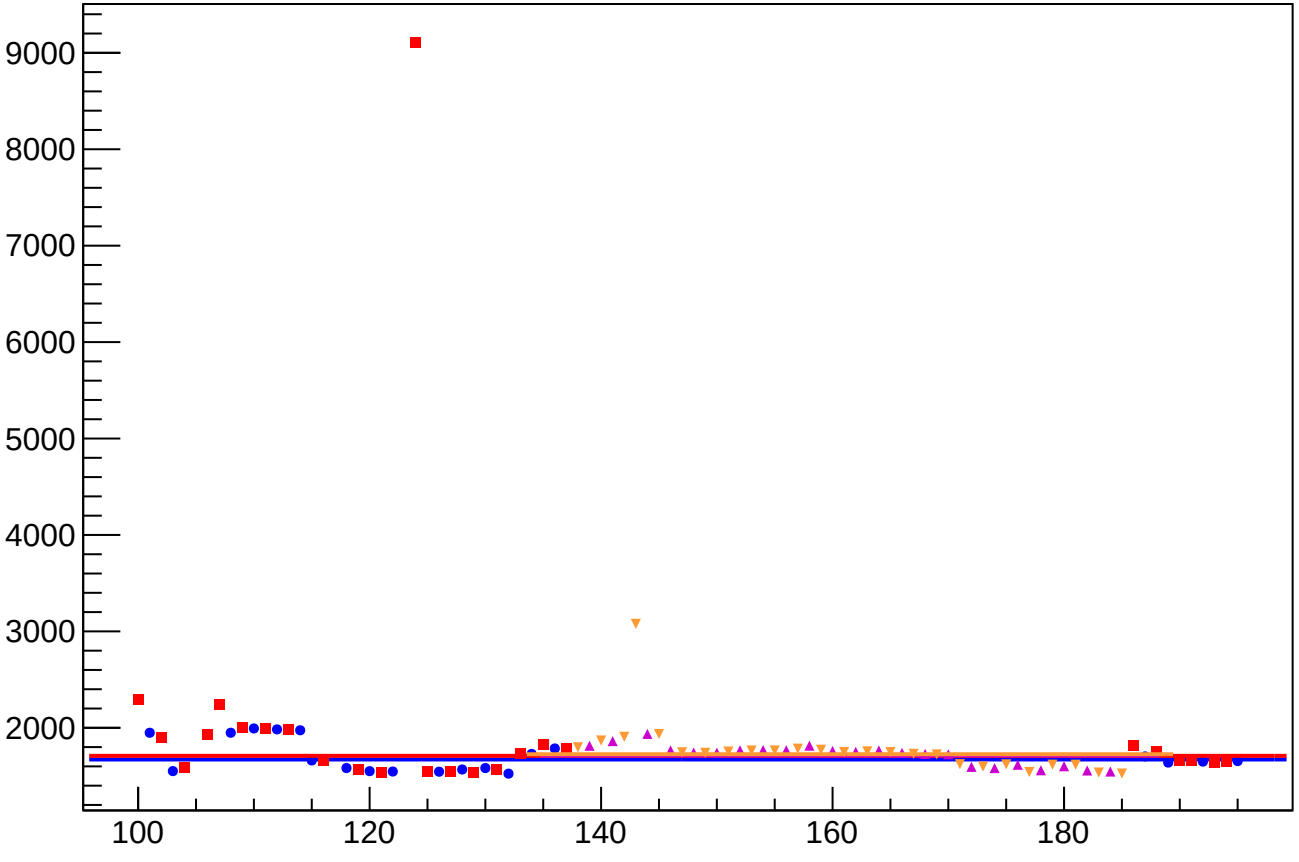
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.197+/-317.760 χ^2/NDF: 45.8/44

All: -401.227+/-224.555 χ^2/NDF: 149.9/92

- sign -2014.755+/-317.377 χ^2/NDF: 52.3/47

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

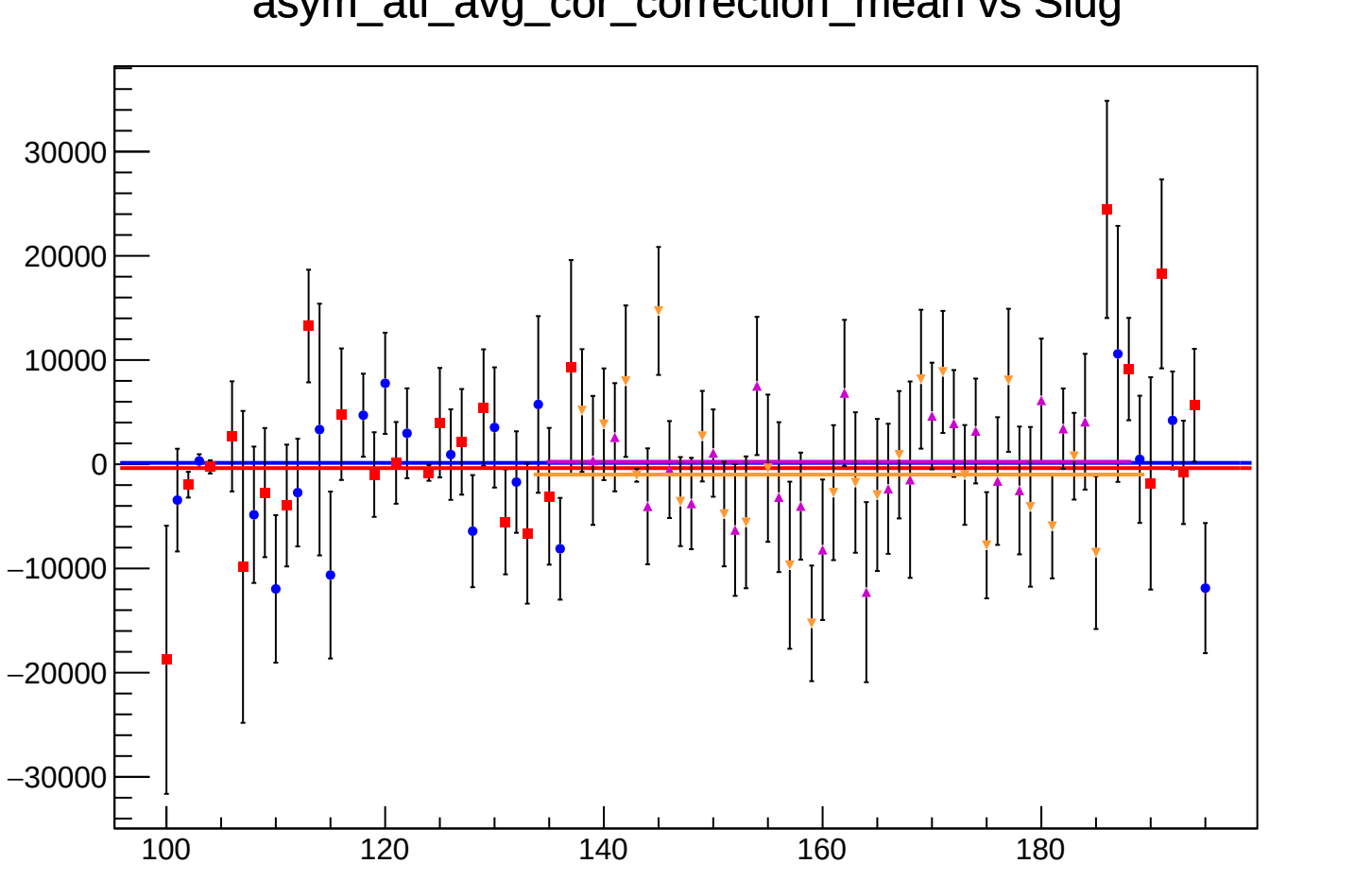
Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.3/44

All: 1709.330+/-0.159 χ^2/NDF: 1136234.3/92

- sign 1711.696+/-0.224 χ^2/NDF: 524918.7/47



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: -371.551+/-424.862 χ^2/NDF: 32.3/24

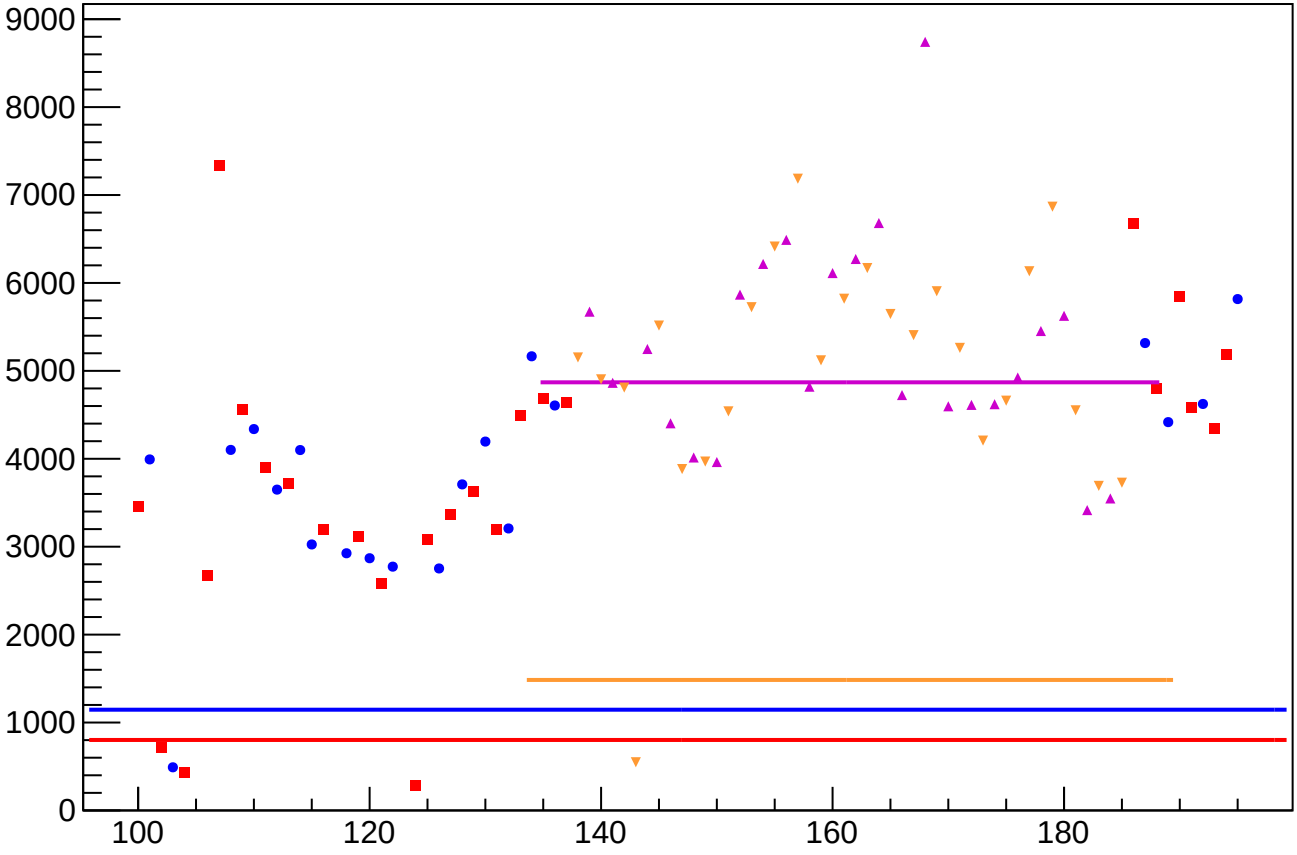
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -456.323+/-392.309 χ^2/NDF: 53.8/44

All: -379.429+/-279.791 χ^2/NDF: 100.0/92

- sign -299.830+/-399.149 χ^2/NDF: 46.1/47

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: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

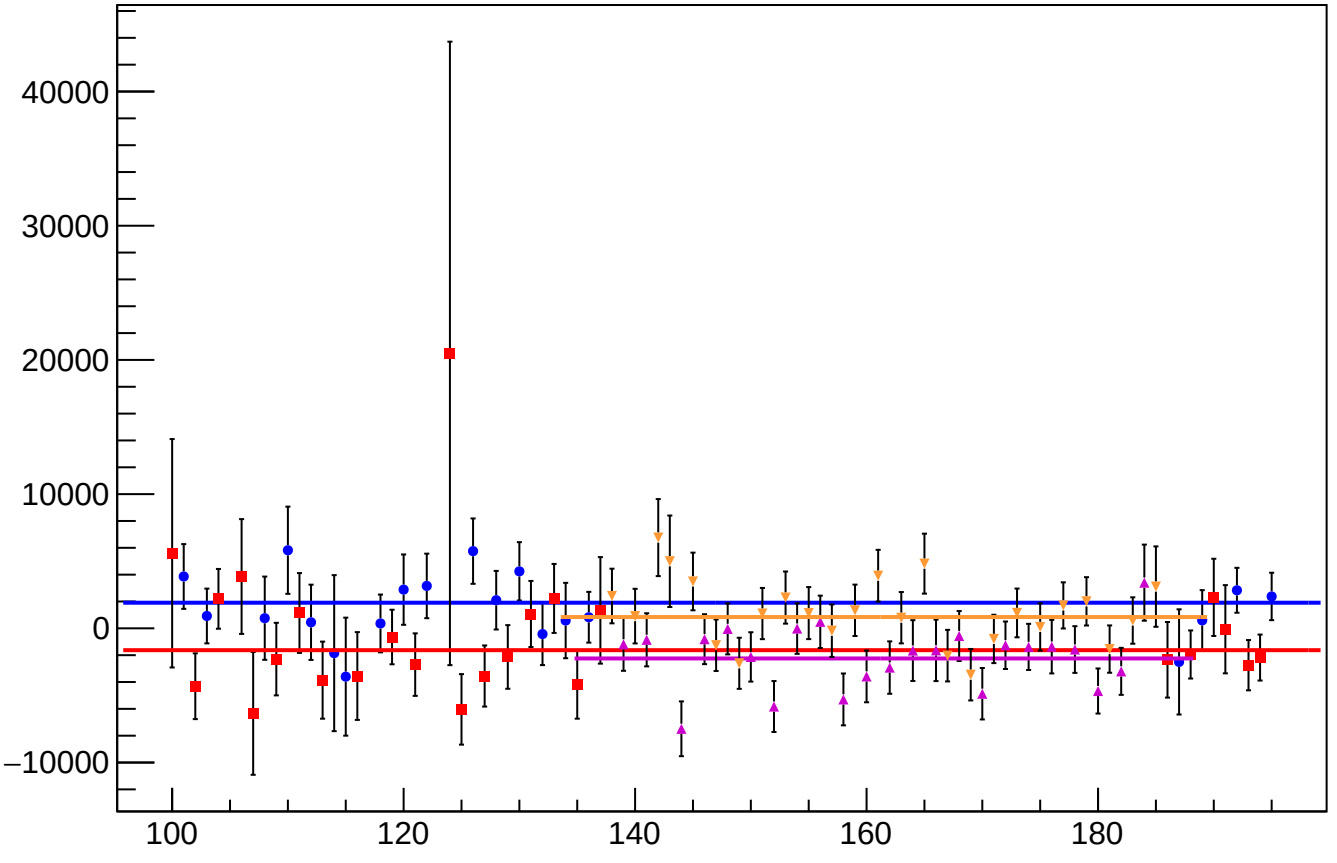
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1323.823+/-0.277 χ^2/NDF: 34943900.7/44

All: 1301.915+/-0.198 χ^2/NDF: 72126869.0/9

- sign 1279.235+/-0.282 χ^2/NDF: 37170274.1/47

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: -1627.308+/-519.793 χ^2/NDF: 22.0/24

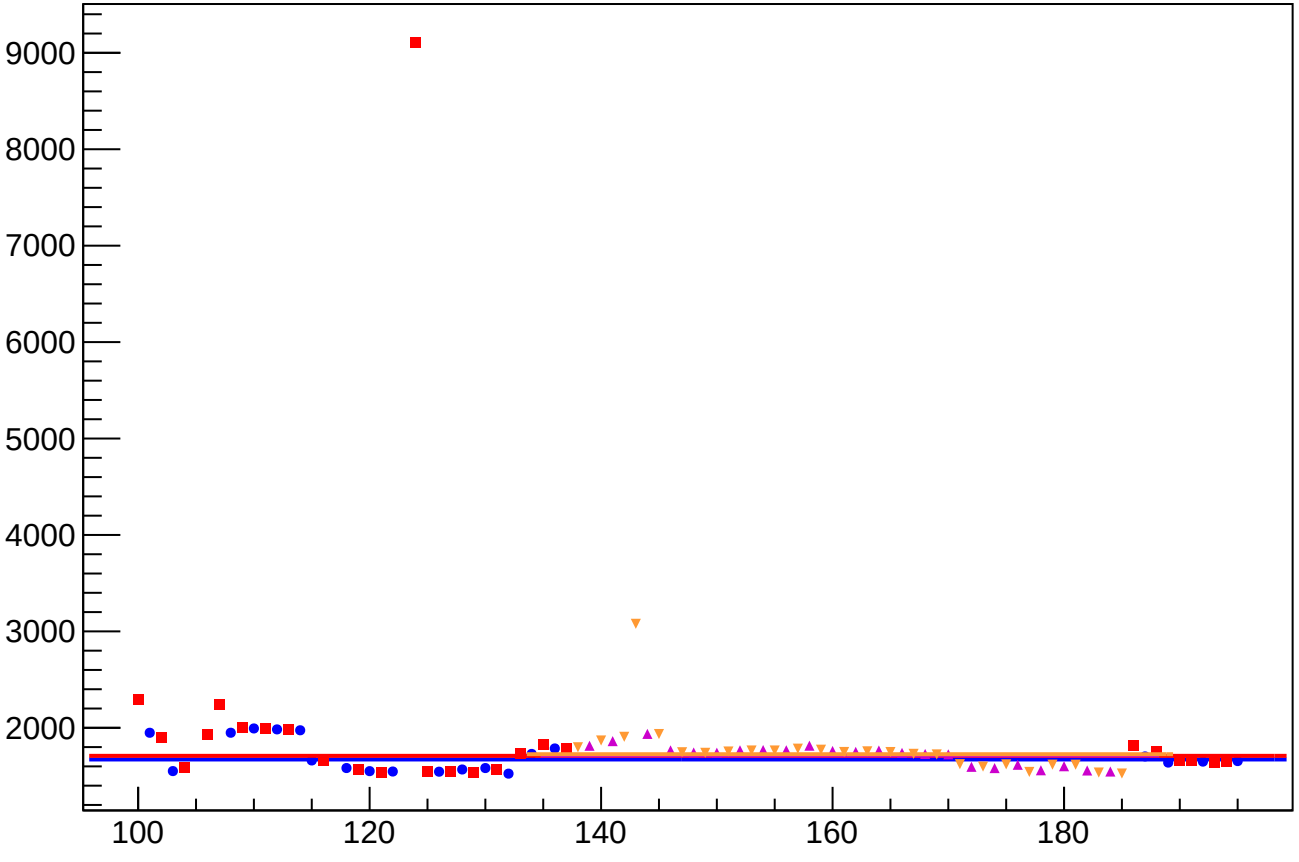
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1216.197+/-317.760 χ^2/NDF: 45.8/44

All: -401.227+/-224.555 χ^2/NDF: 149.9/92

- sign -2014.755+/-317.377 χ^2/NDF: 52.3/47

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

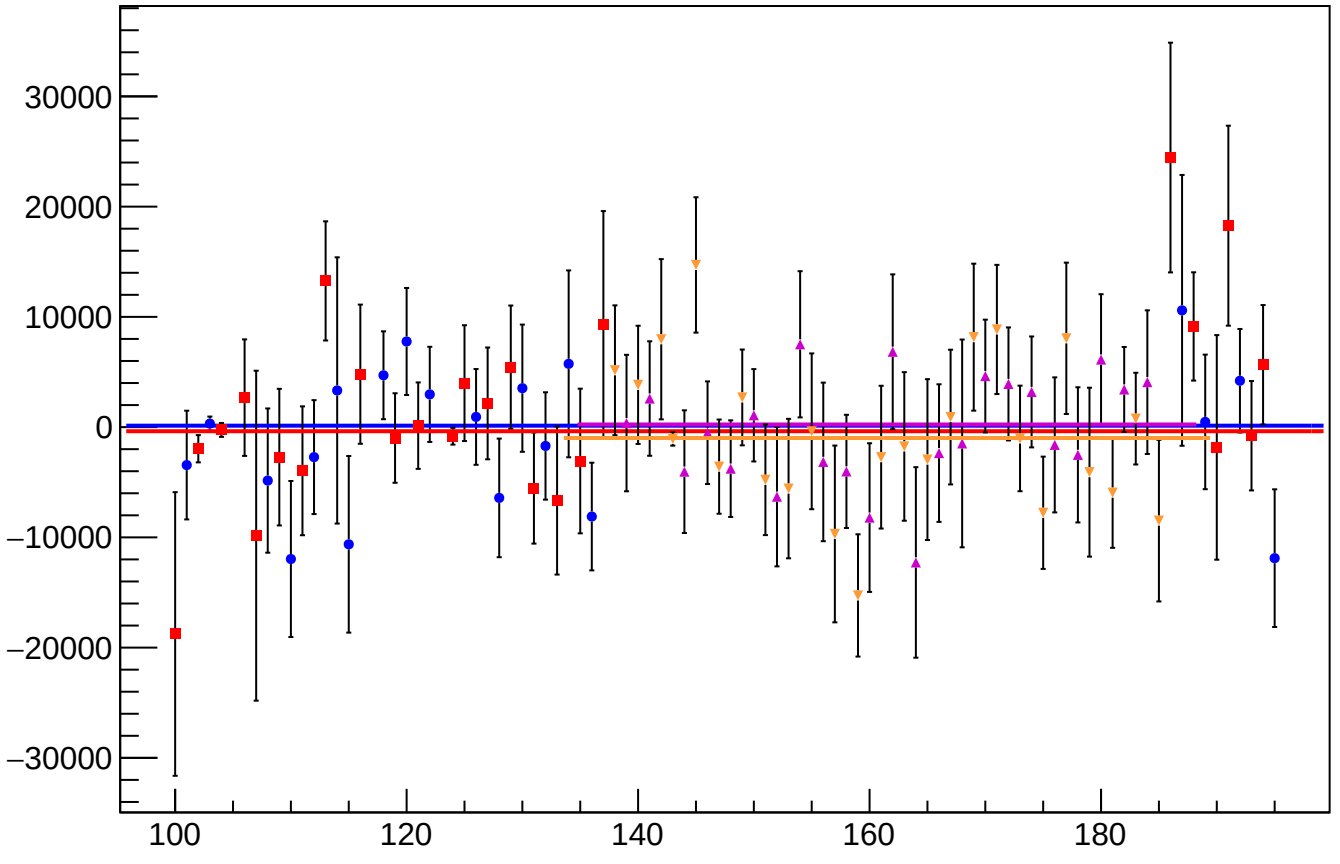
Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1706.952+/-0.225 χ^2/NDF: 611092.3/44

All: 1709.330+/-0.159 χ^2/NDF: 1136234.3/92

- sign 1711.696+/-0.224 χ^2/NDF: 524918.7/47



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: -371.551+/-424.862 χ^2/NDF: 32.3/24

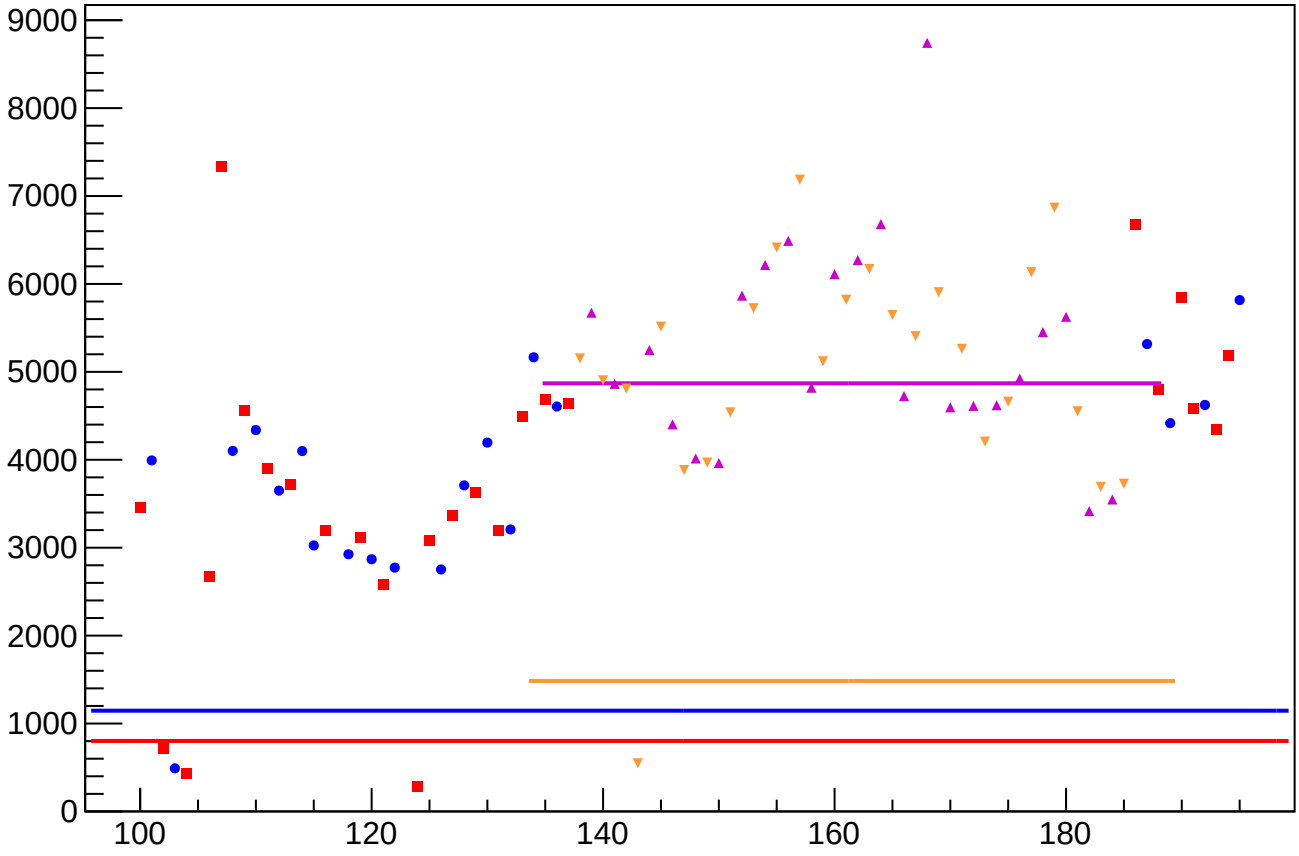
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -456.323+/-392.309 χ^2/NDF: 53.8/44

All: -379.429+/-279.791 χ^2/NDF: 100.0/92

- sign -299.830+/-399.149 χ^2/NDF: 46.1/47

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: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

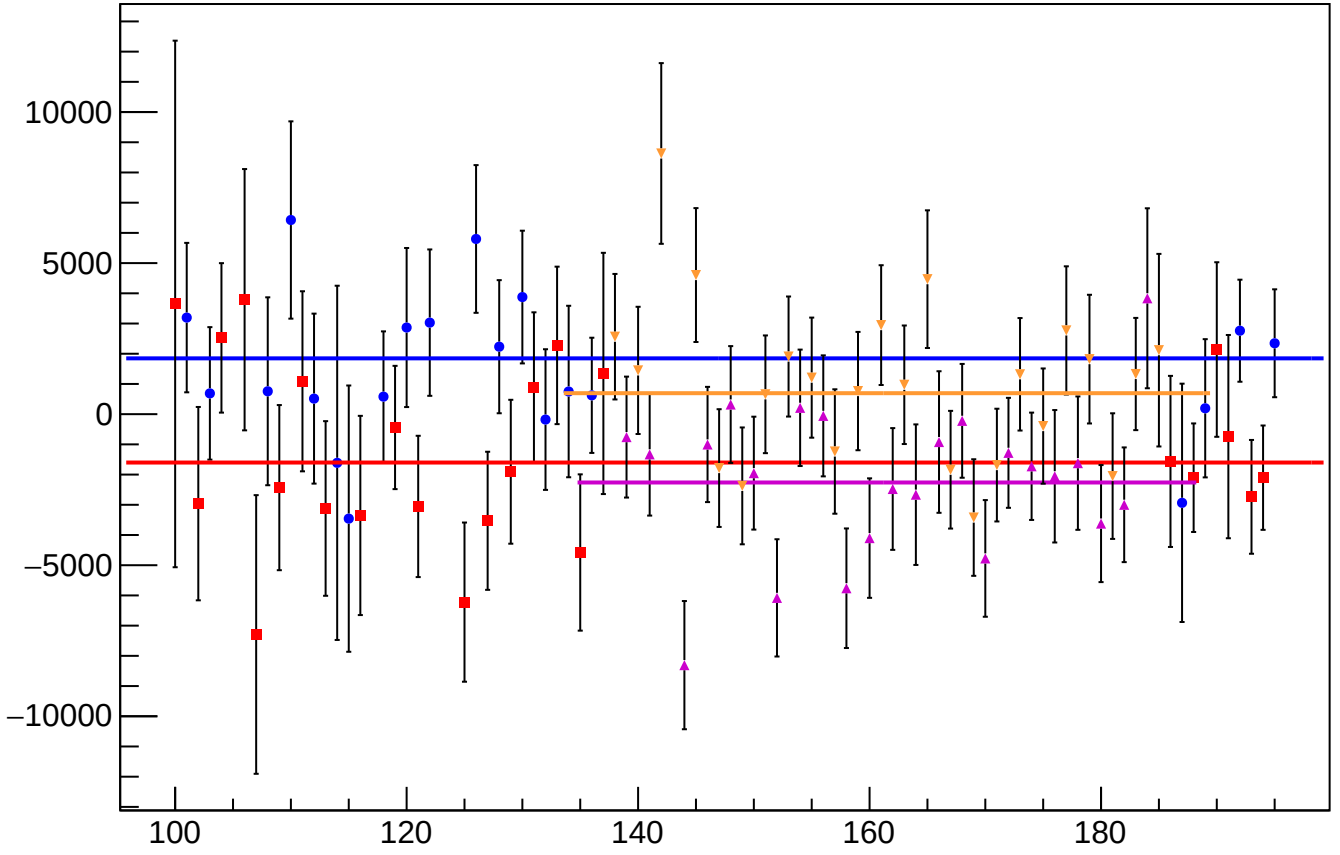
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1323.823+/-0.277 χ^2/NDF: 34943900.7/44

All: 1301.915+/-0.198 χ^2/NDF: 72126869.0/9

- sign 1279.235+/-0.282 χ^2/NDF: 37170274.1/47

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: -1601.269+/-530.871 χ^2/NDF: 19.7/23

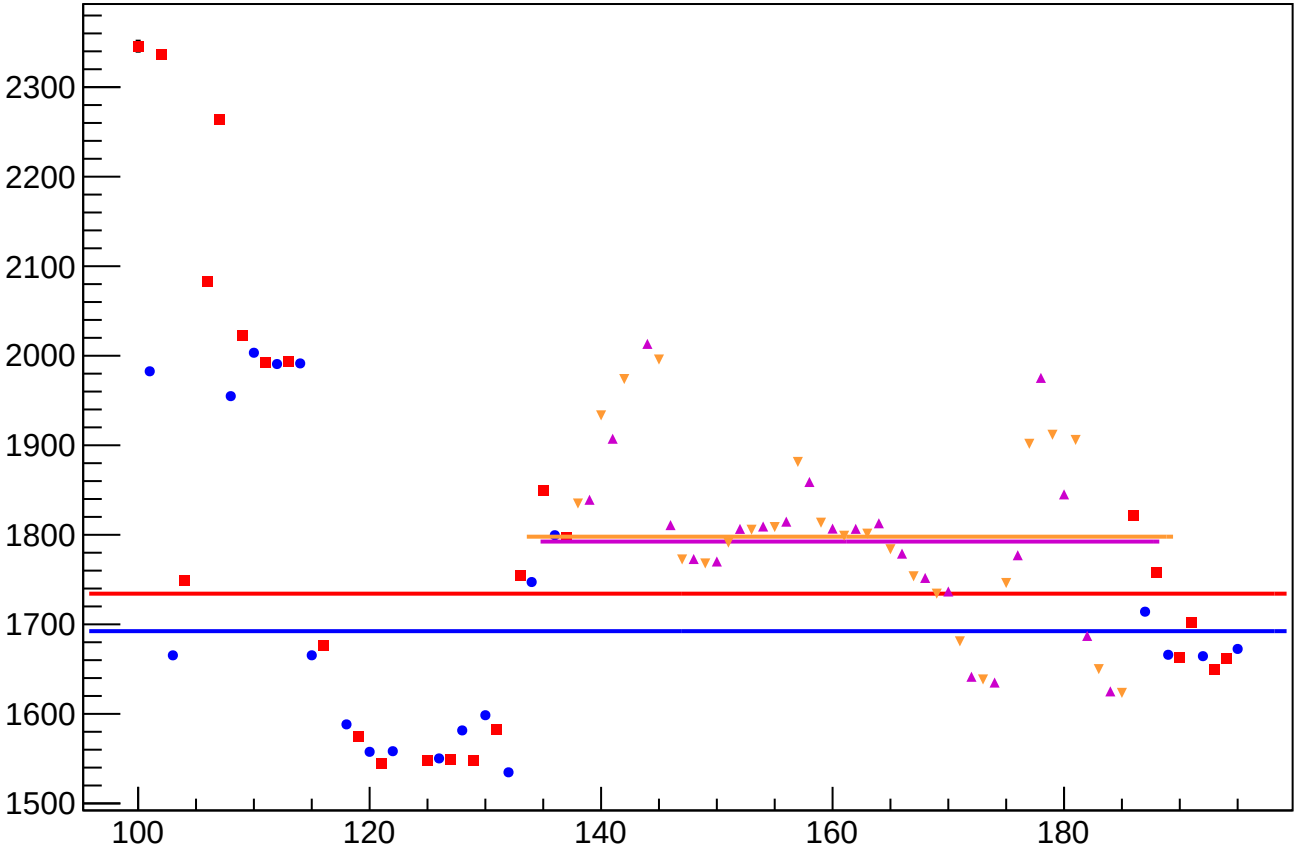
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1123.098+/-331.309 χ^2/NDF: 47.6/43

All: -453.534+/-233.445 χ^2/NDF: 143.7/90

- sign -2008.112+/-328.984 χ^2/NDF: 51.1/46

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

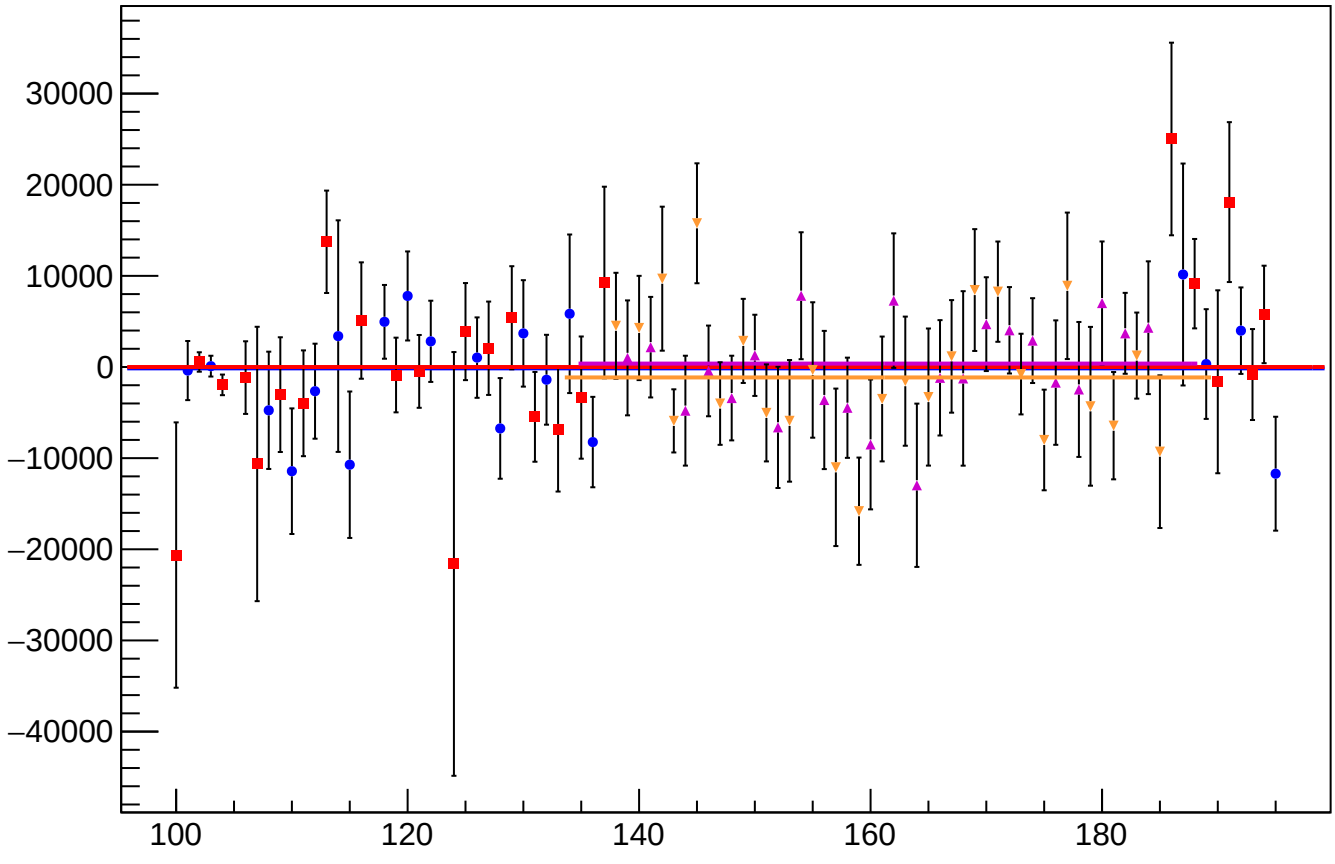
Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.9/23

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1758.665+/-0.234 χ^2/NDF: 282243.2/43

All: 1764.407+/-0.165 χ^2/NDF: 651848.1/90

- sign 1770.063+/-0.232 χ^2/NDF: 368412.4/46



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: -1.935+/-657.019 χ^2/NDF: 33.5/24

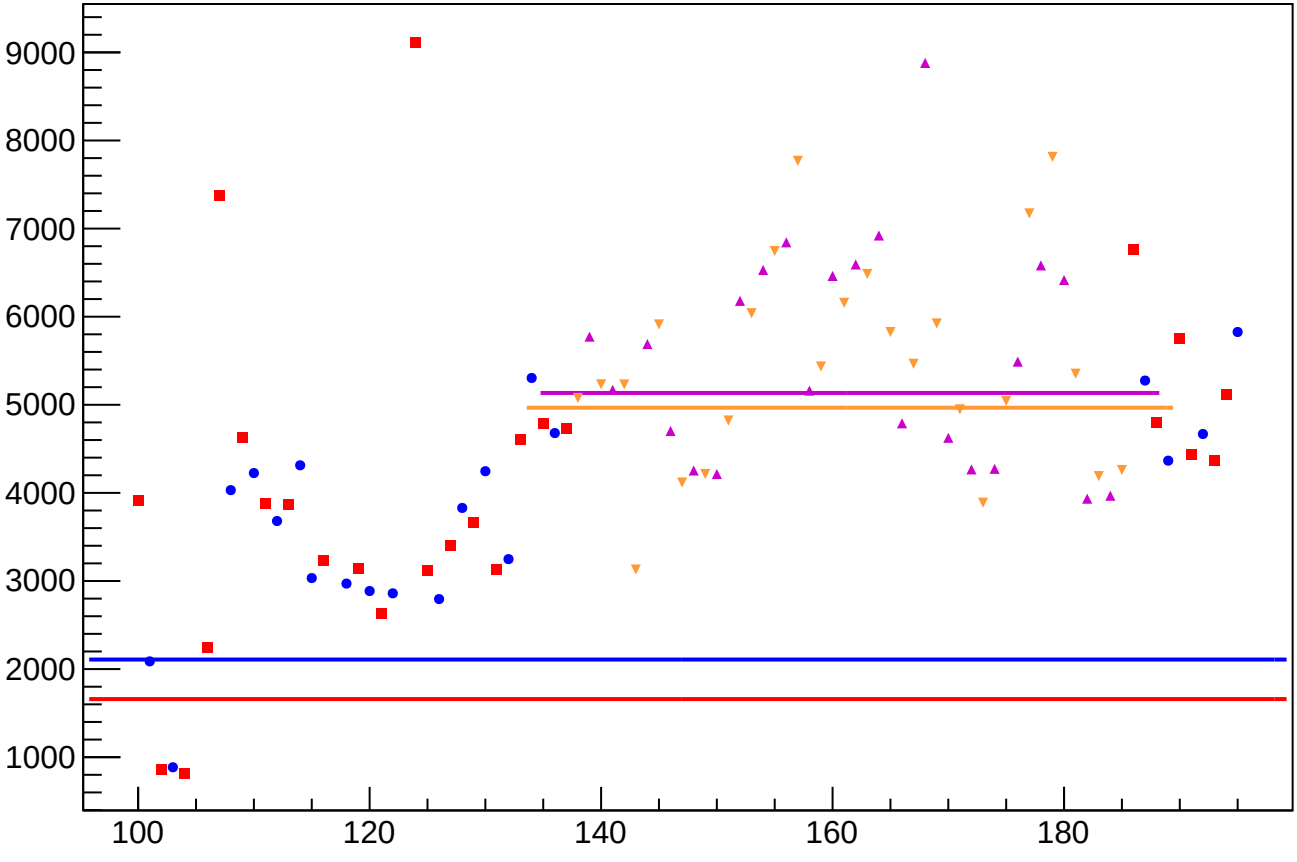
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -486.490+/-678.808 χ^2/NDF: 53.0/44

All: -157.682+/-440.688 χ^2/NDF: 100.3/92

- sign 81.862+/-579.387 χ^2/NDF: 46.9/47

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: 1659.688+/-0.465 χ^2/NDF: 9423271.5/24

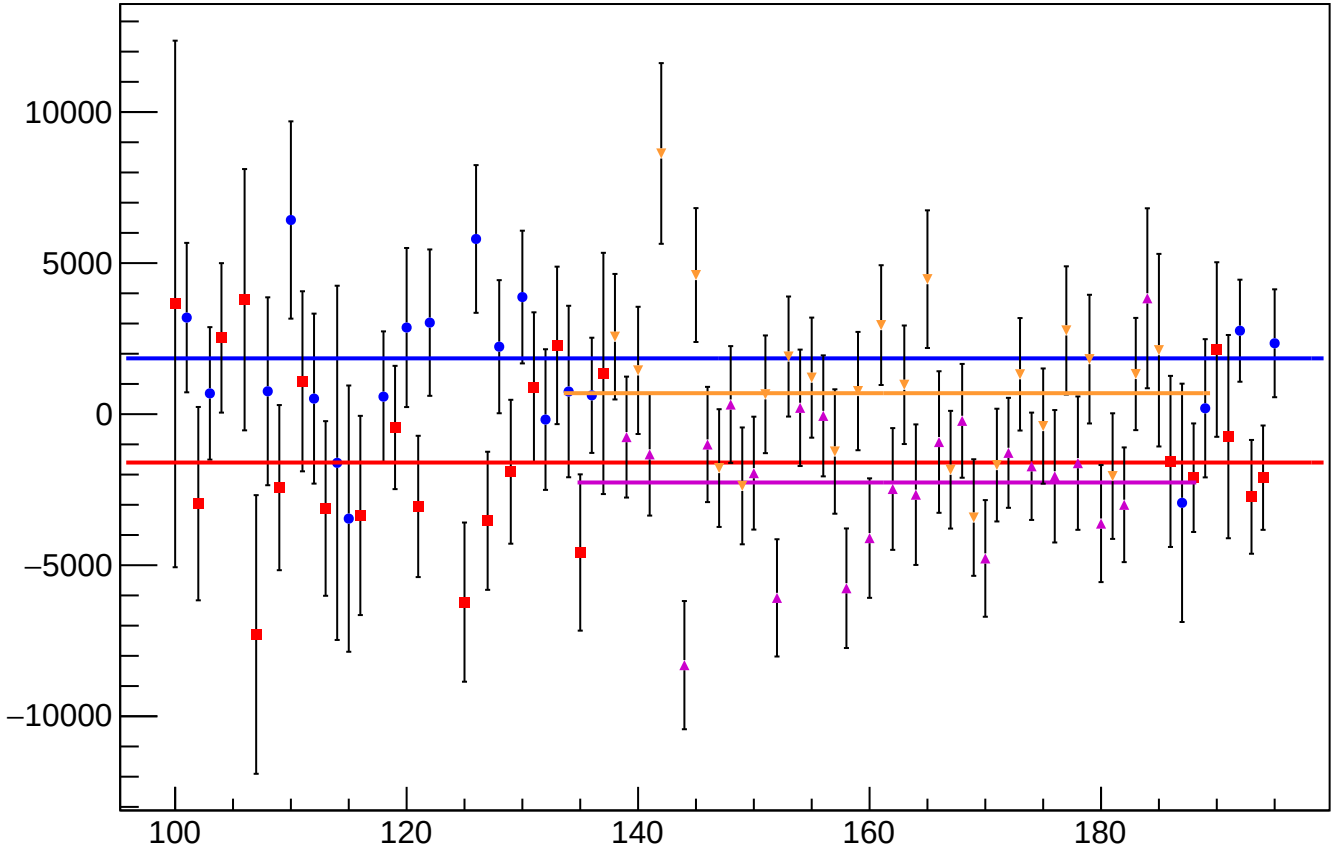
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3079.696+/-0.480 χ^2/NDF: 16136582.2/44

All: 2705.168+/-0.312 χ^2/NDF: 40537869.4/9

- sign 2432.315+/-0.410 χ^2/NDF: 23348886.3/47

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: -1601.266+/-530.871 χ^2/NDF: 19.7/23

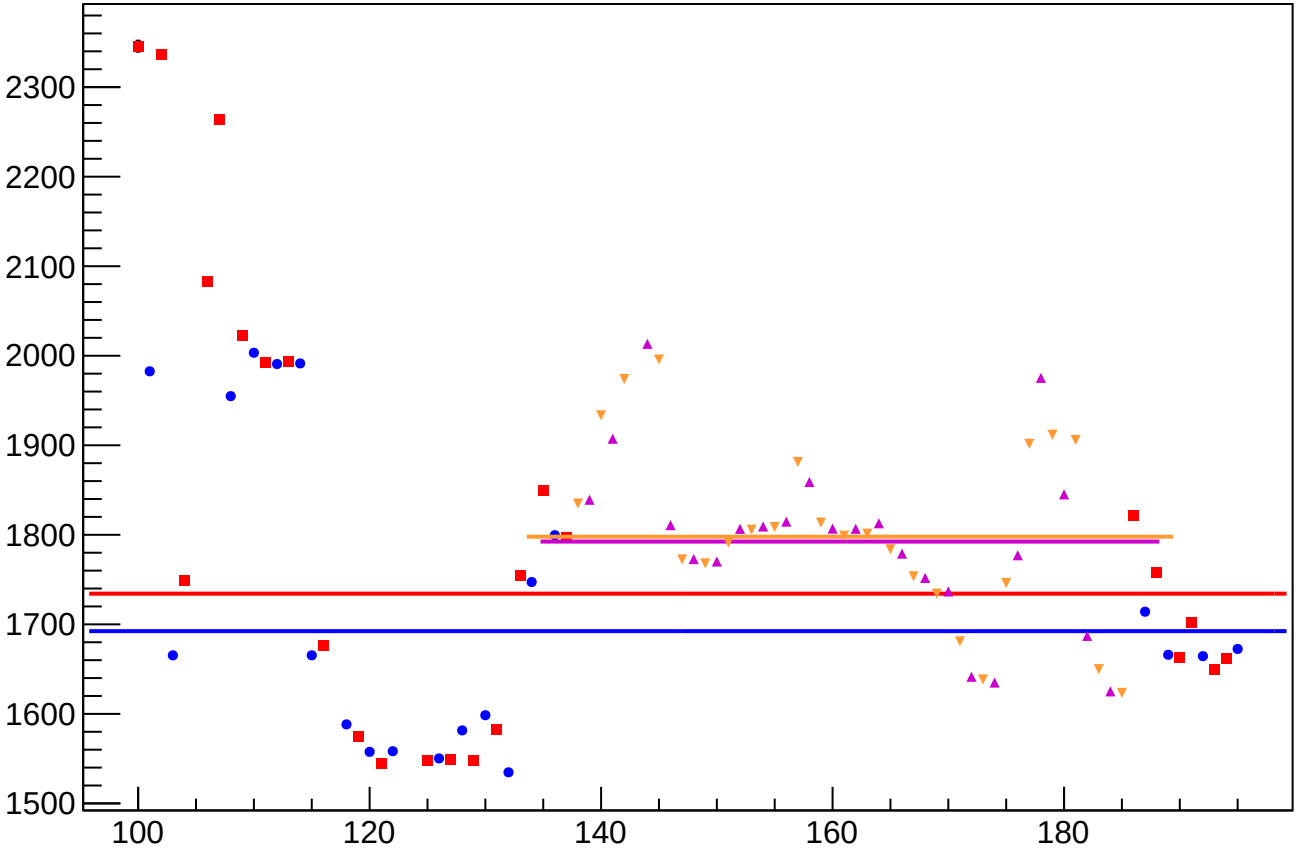
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1123.094+/-331.310 χ^2/NDF: 47.6/43

All: -453.535+/-233.445 χ^2/NDF: 143.7/90

- sign -2008.111+/-328.984 χ^2/NDF: 51.1/46

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

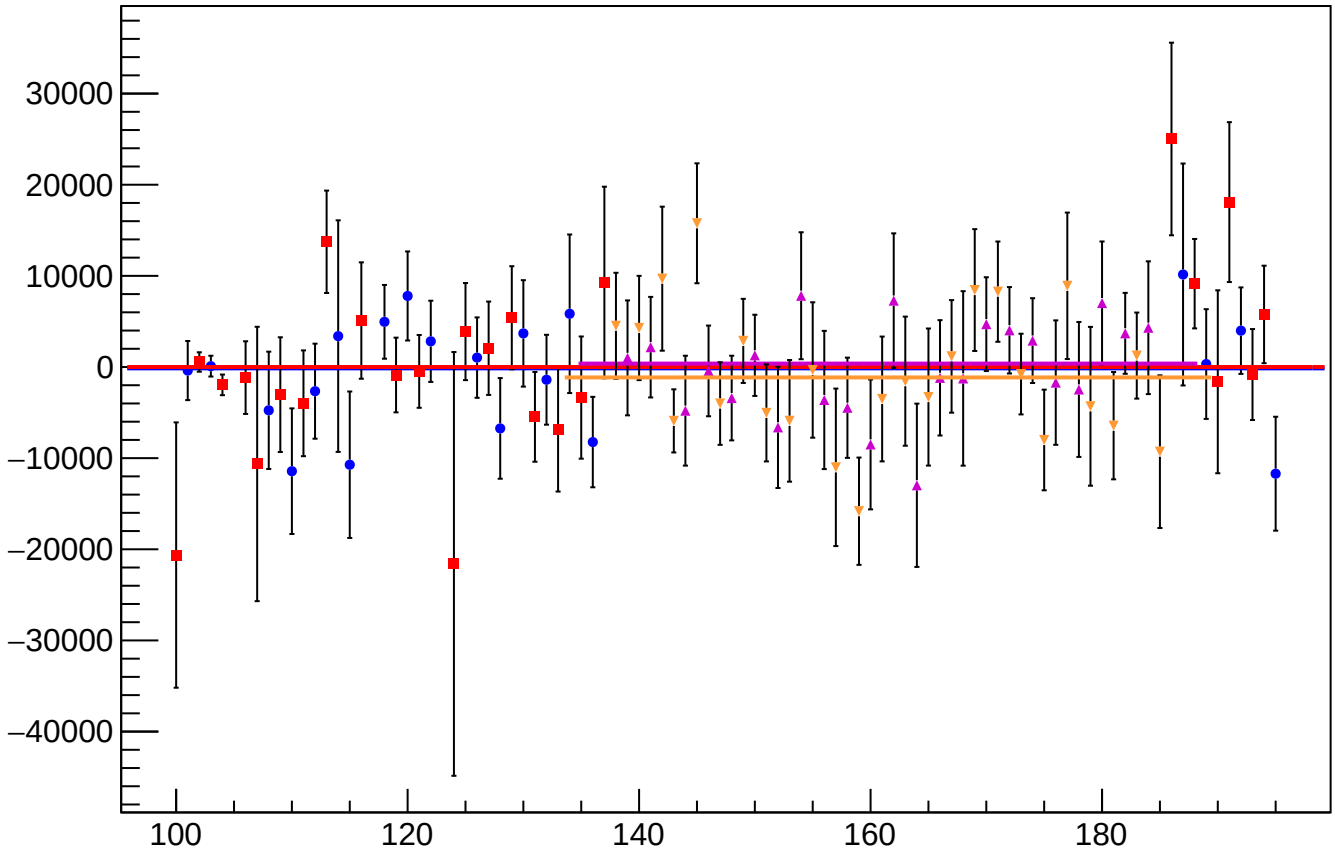
Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.2/23

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1758.666+/-0.234 χ^2/NDF: 282248.2/43

All: 1764.408+/-0.165 χ^2/NDF: 651856.6/90

- sign 1770.063+/-0.232 χ^2/NDF: 368415.8/46



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: -1.941+/-657.014 χ^2/NDF: 33.5/24

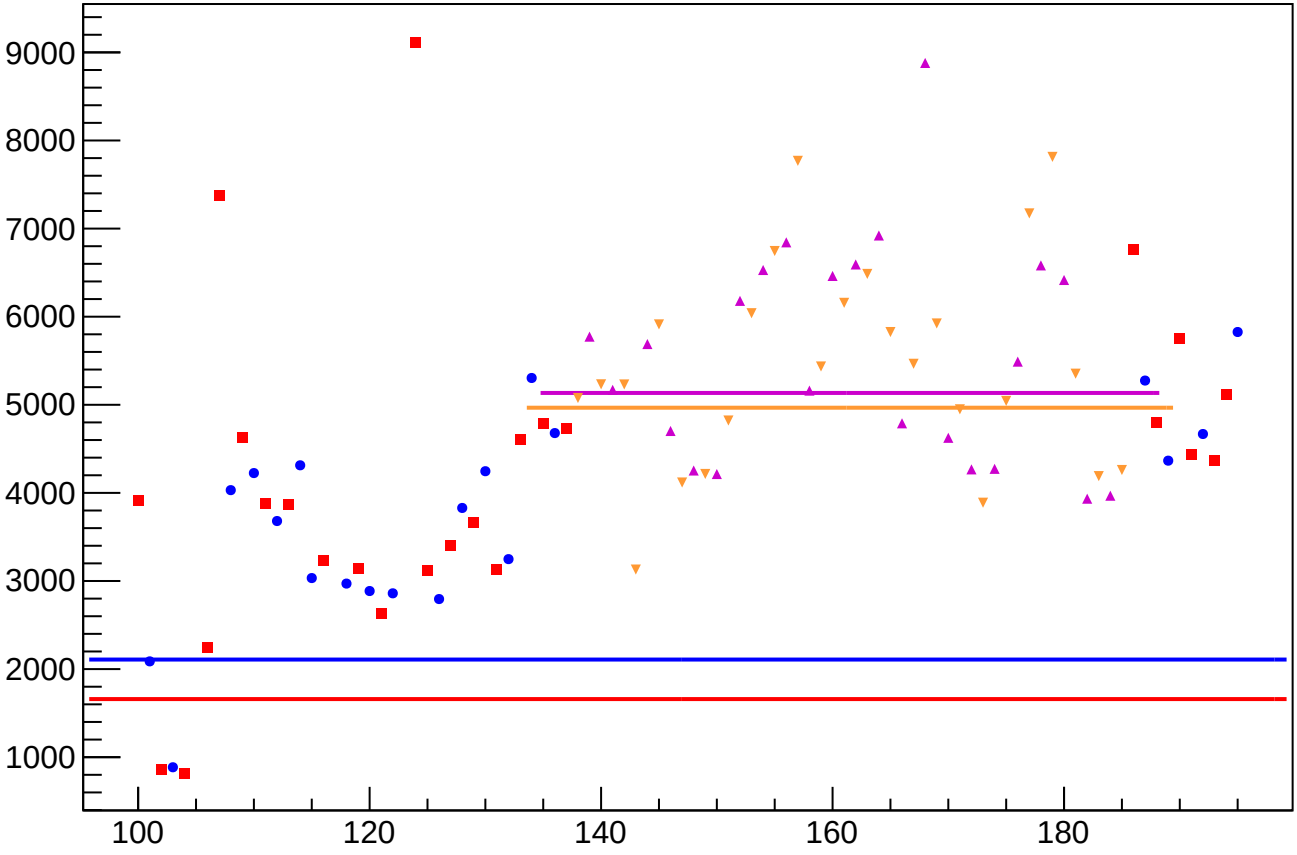
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -486.485+/-678.805 χ^2/NDF: 53.0/44

All: -157.683+/-440.686 χ^2/NDF: 100.3/92

- sign 81.857+/-579.384 χ^2/NDF: 46.9/47

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: 1659.672+/-0.465 χ^2/NDF: 9423340.5/24

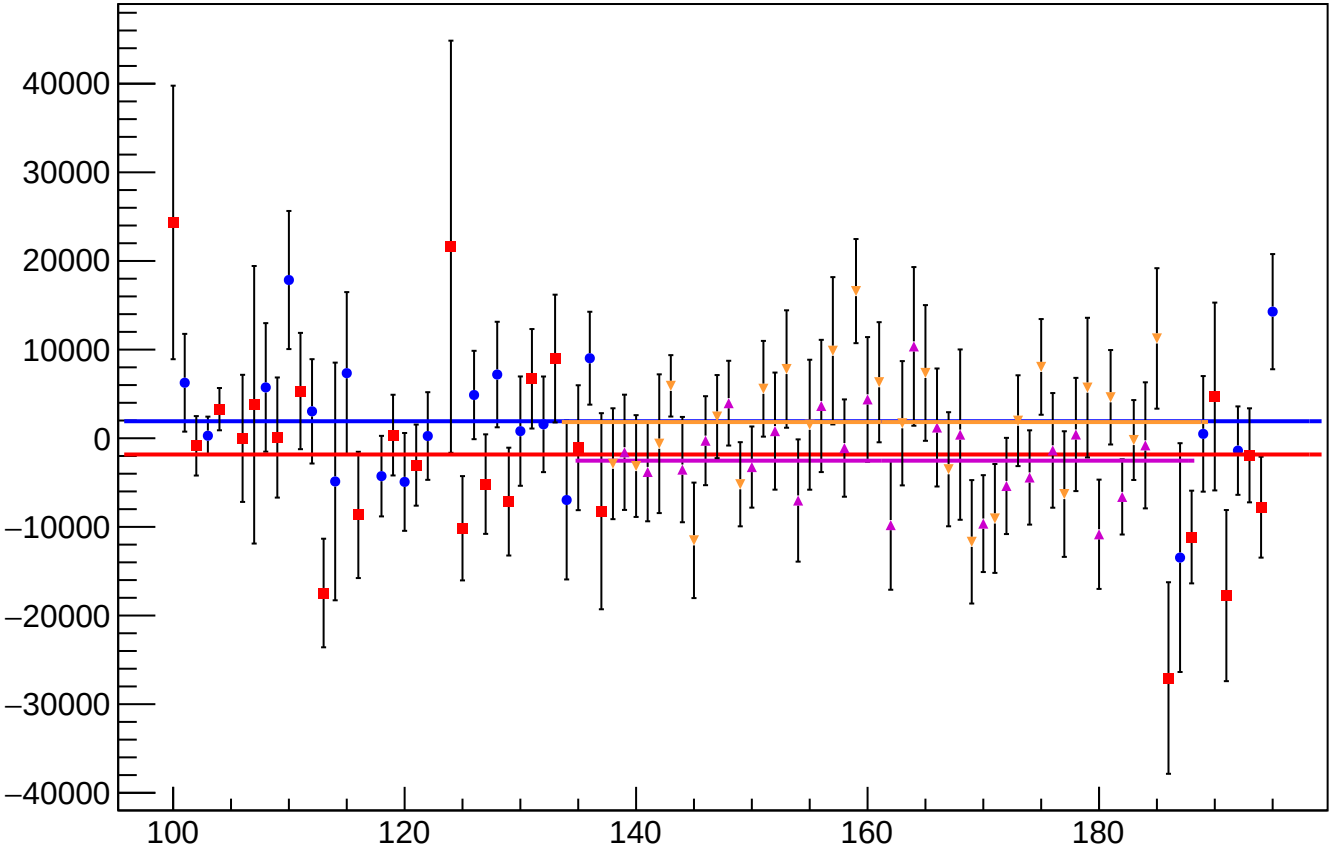
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3079.677+/-0.480 χ^2/NDF: 16136808.6/44

All: 2705.147+/-0.312 χ^2/NDF: 40538360.7/9

- sign 2432.294+/-0.410 χ^2/NDF: 23349137.0/47

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: -1831.942+/-1132.294 χ^2/NDF: 38.6/24

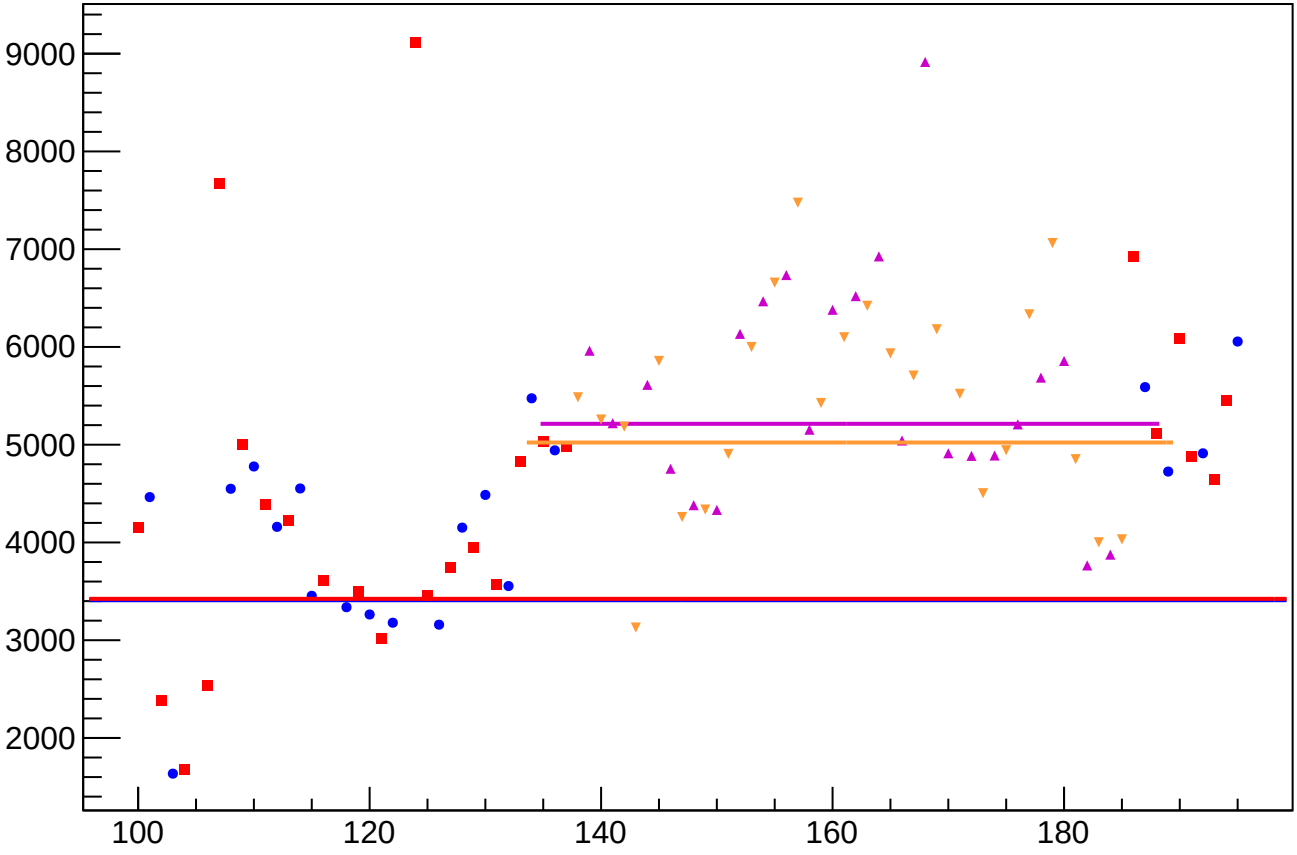
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1873.027+/-830.019 χ^2/NDF: 50.4/44

All: -121.481+/-589.283 χ^2/NDF: 114.0/92

- sign -2148.548+/-836.767 χ^2/NDF: 52.0/47

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: 3423.257+/-0.790 χ^2/NDF: 2999920.9/24

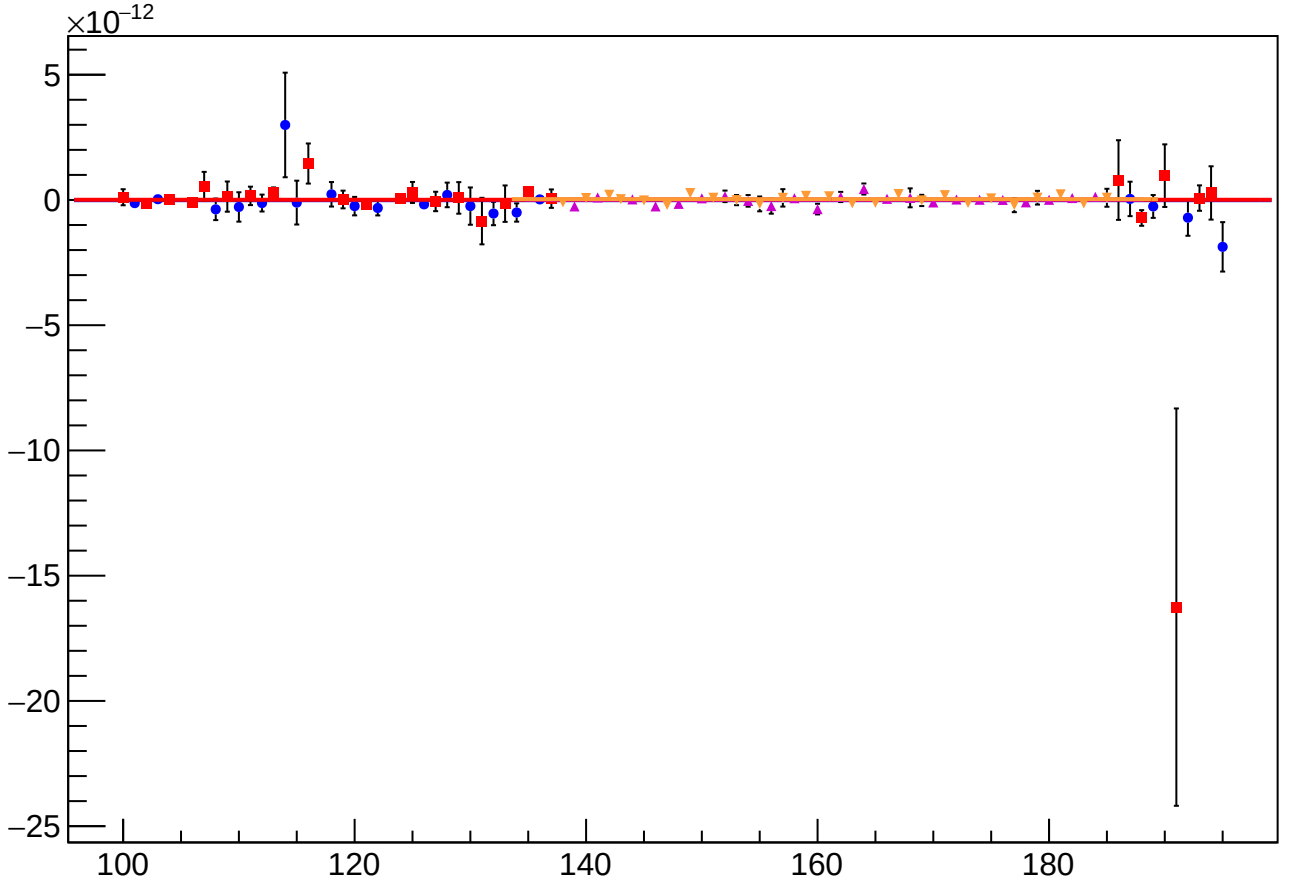
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4217.614+/-0.587 χ^2/NDF: 6189097.7/44

All: 4220.931+/-0.415 χ^2/NDF: 12708744.1/9

- sign 4224.254+/-0.587 χ^2/NDF: 6519582.5/47

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

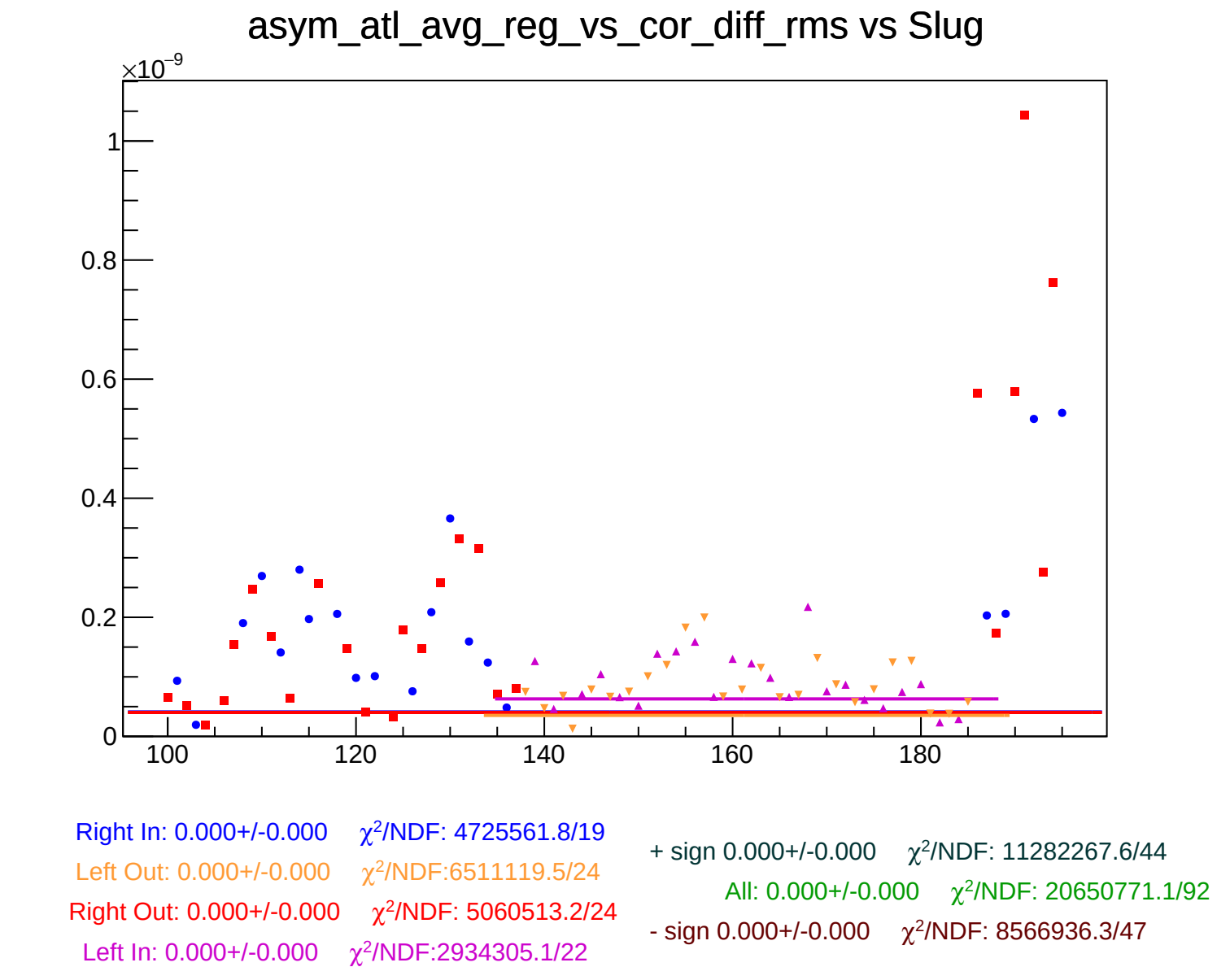
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

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

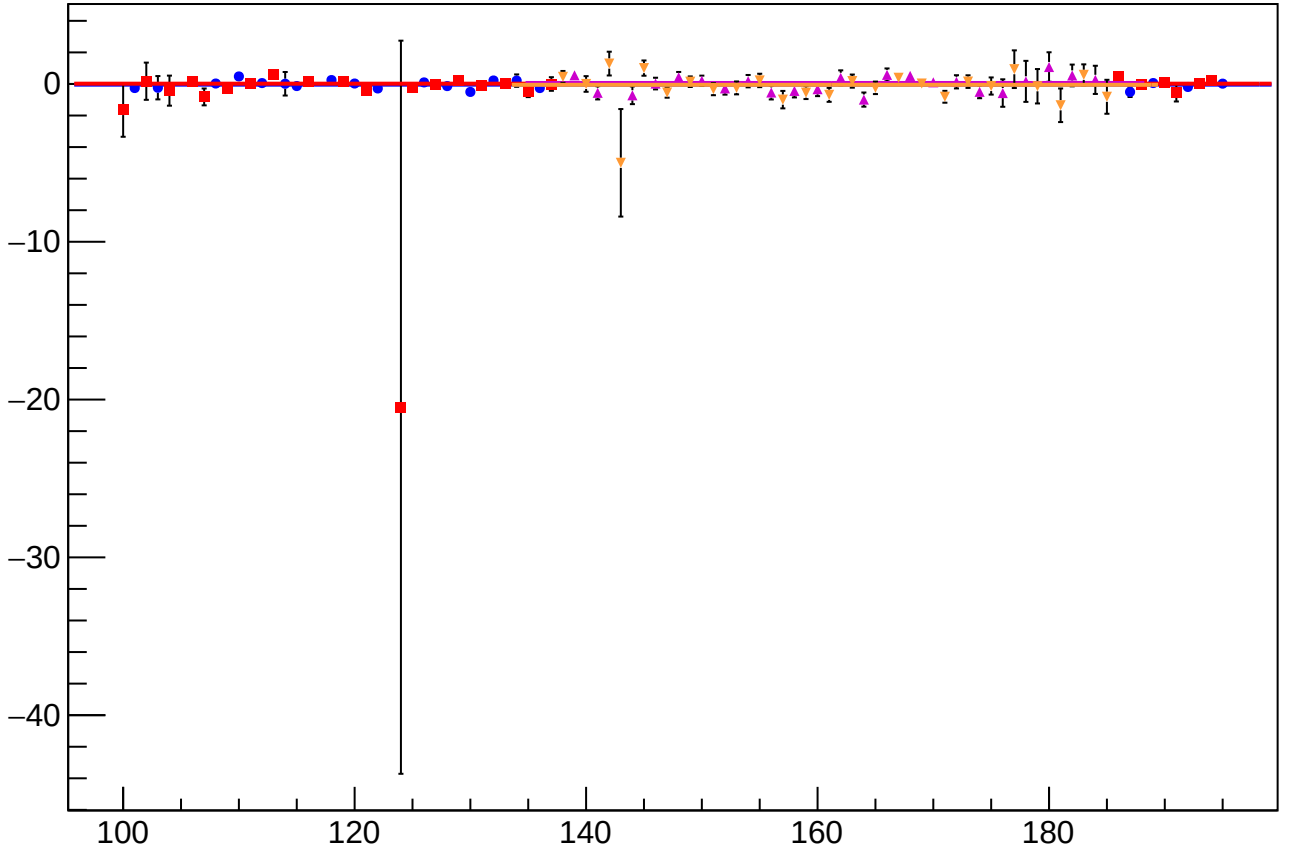
\+ sign 0.000+/-0.000 χ^2/NDF: 41.6/44

All: 0.000+/-0.000 χ^2/NDF: 86.4/92

\- sign 0.000+/-0.000 χ^2/NDF: 44.7/47


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
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: 5060513.2/24
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: 20650771.1/92
- sign 0.000+/-0.000 χ²/NDF: 8566936.3/47

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



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: 0.018+/-0.043 χ^2/NDF: 28.7/24

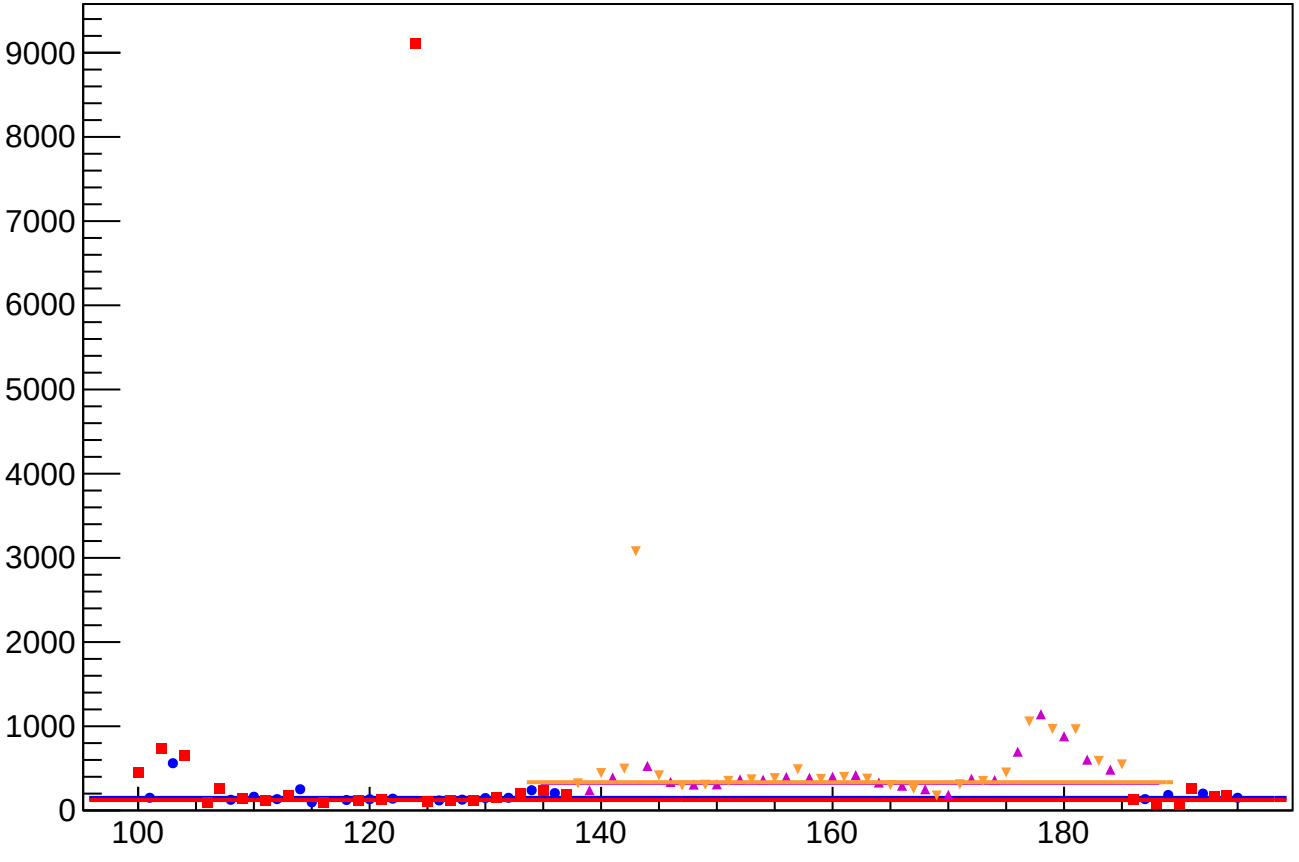
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.004+/-0.029 χ^2/NDF: 111.8/92

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

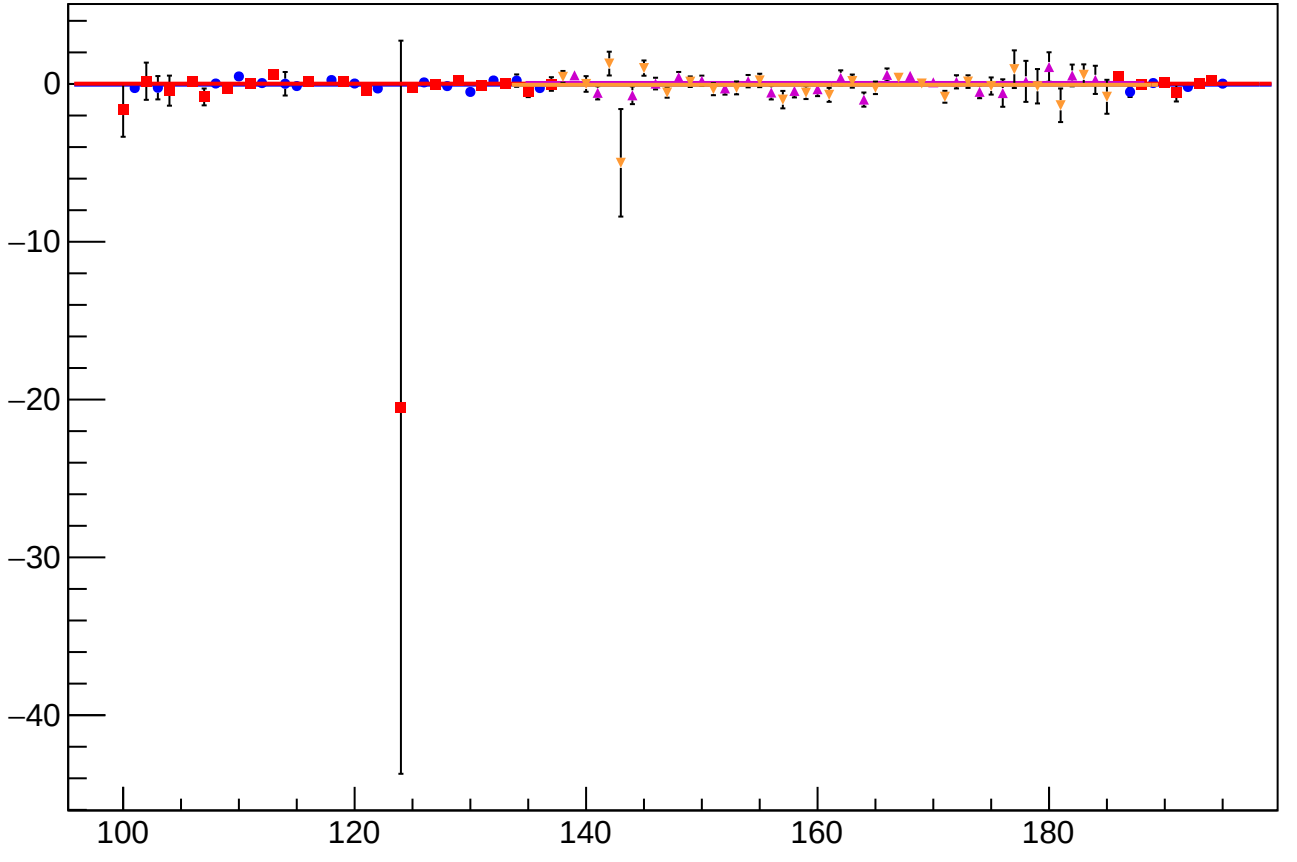
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 199.408+/-0.031 χ^2/NDF: 14196288.1/44

All: 180.520+/-0.020 χ^2/NDF: 31847402.9/92

- sign 166.405+/-0.027 χ^2/NDF: 17004359.2/47

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



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: 0.018+/-0.043 χ^2/NDF: 28.7/24

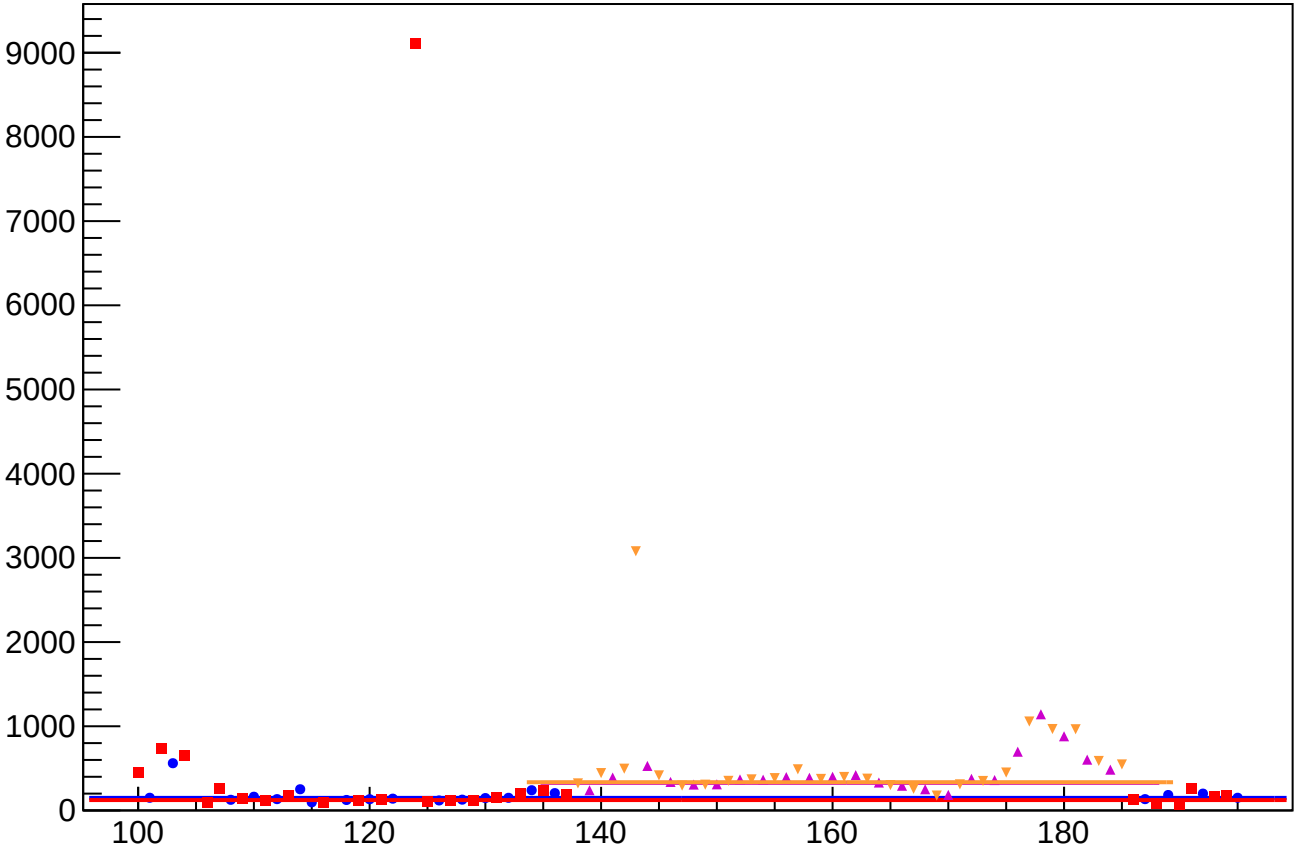
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.004+/-0.029 χ^2/NDF: 111.8/92

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

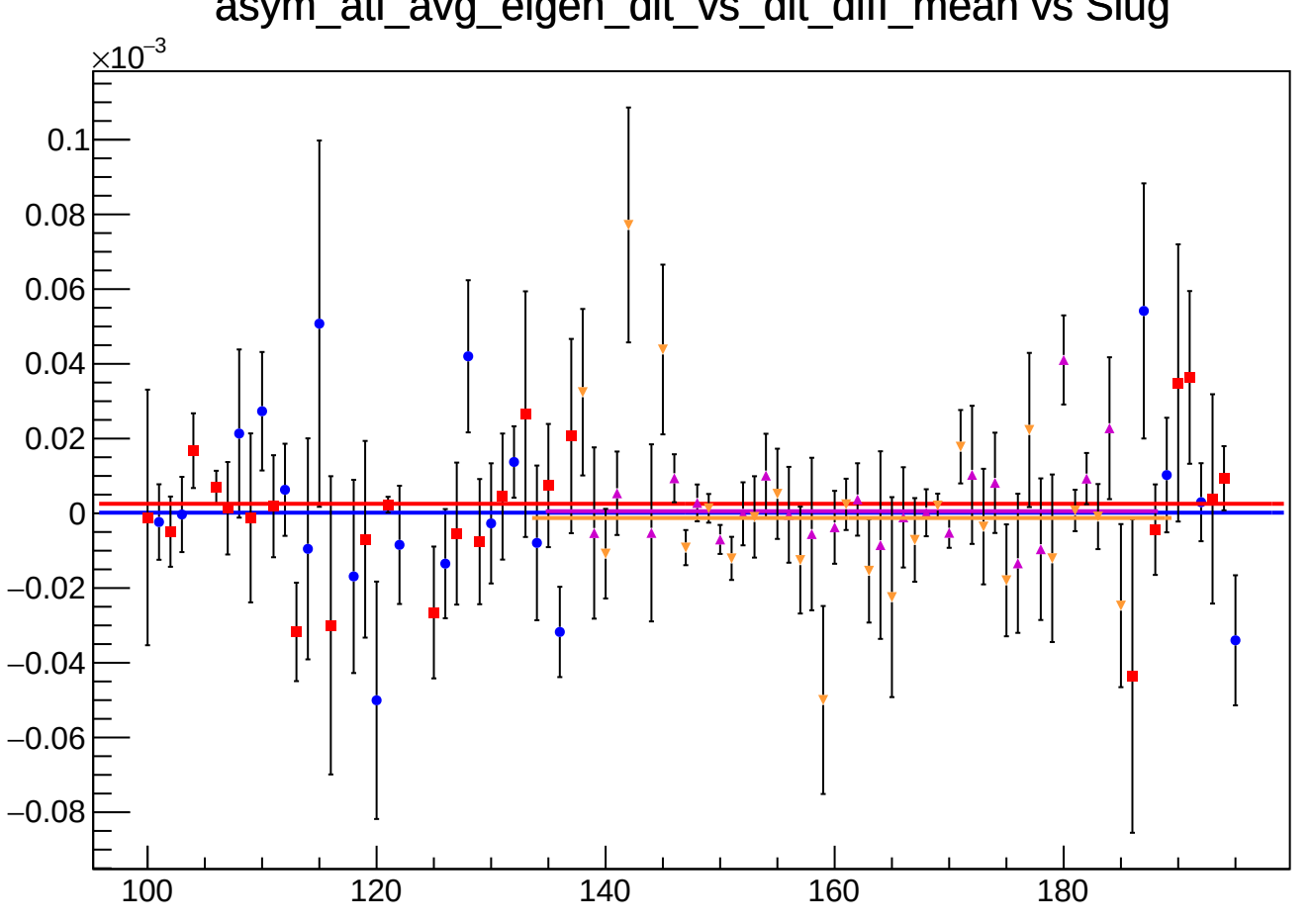
Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 199.408+/-0.031 χ^2/NDF: 14196288.1/44

All: 180.520+/-0.020 χ^2/NDF: 31847402.9/92

- sign 166.405+/-0.027 χ^2/NDF: 17004359.2/47



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: 20.7/23

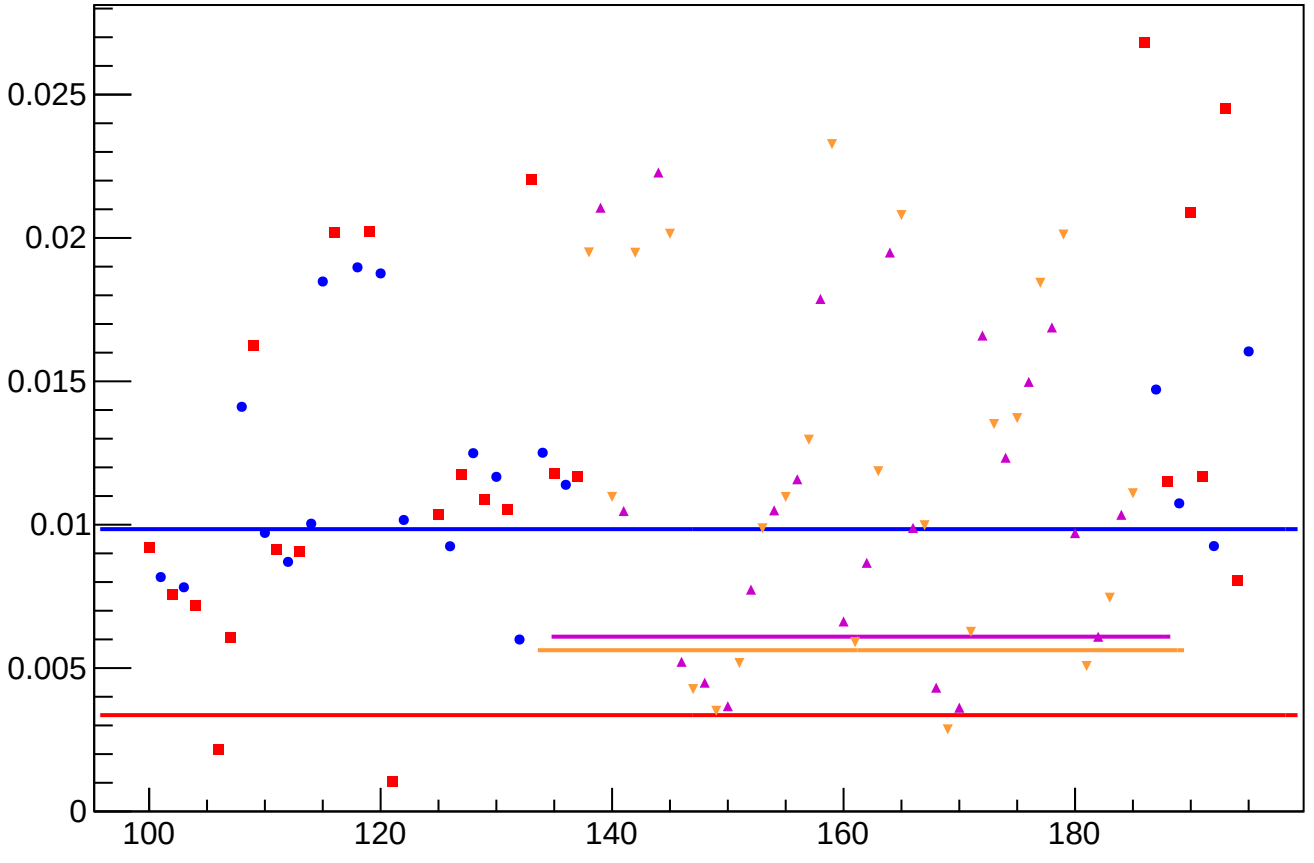
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.5/43

All: 0.000+/-0.000 χ^2/NDF: 114.3/90

- sign 0.000+/-0.000 χ^2/NDF: 46.9/46

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



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: 12754962.8/23

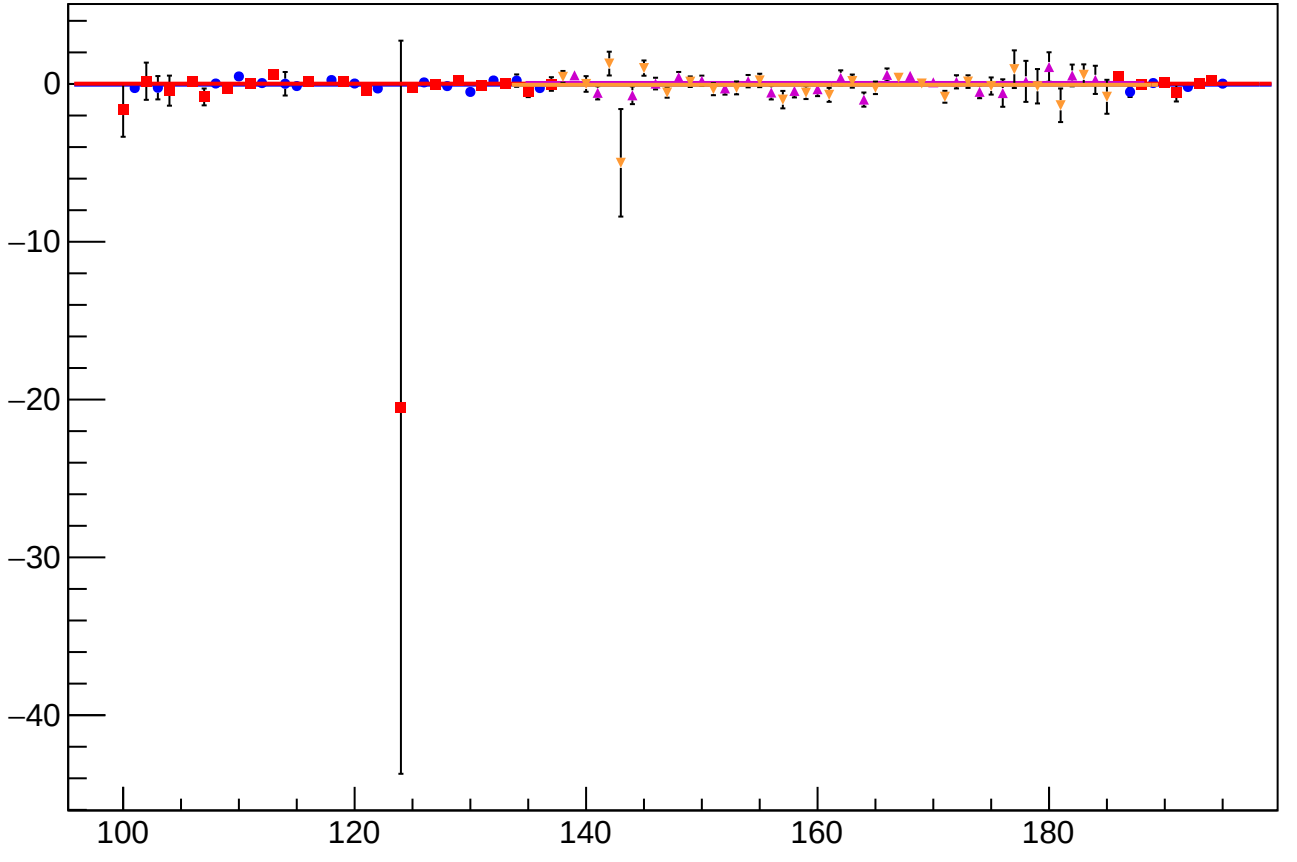
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15210563.6/43

All: 0.005+/-0.000 χ^2/NDF: 41090577.5/90

- sign 0.005+/-0.000 χ^2/NDF: 24160832.3/46

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



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: 0.018+/-0.043 χ^2/NDF: 28.7/24

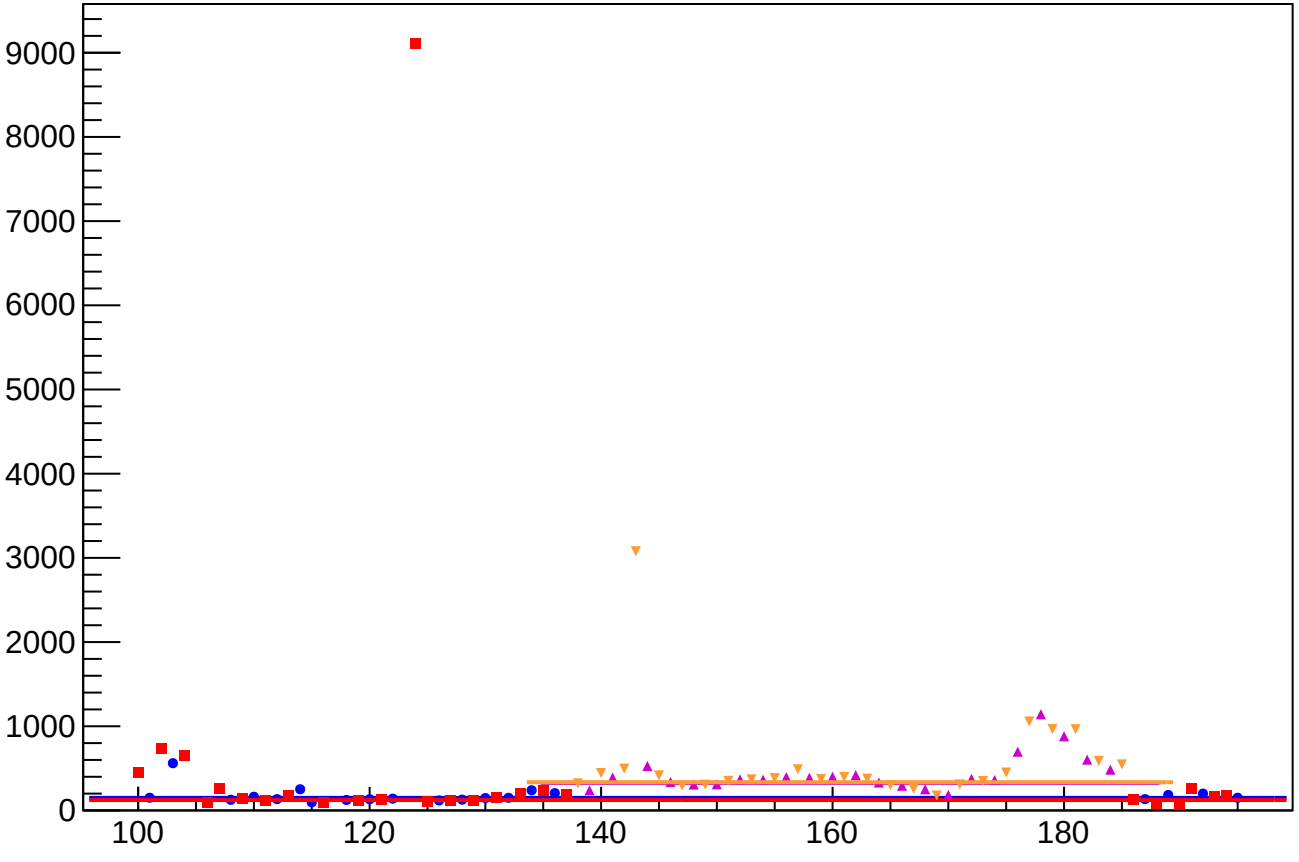
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.004+/-0.029 χ^2/NDF: 111.8/92

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

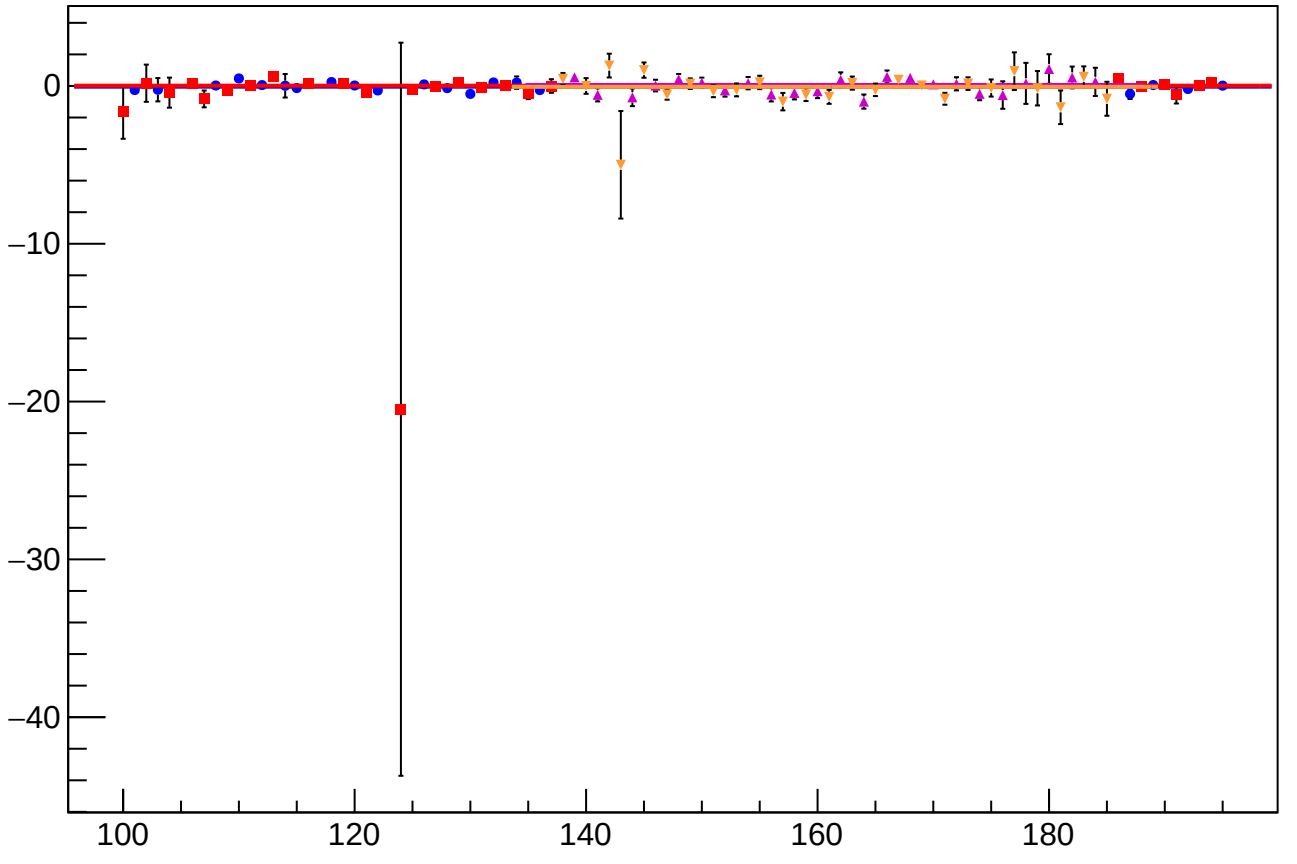
Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 199.407+/-0.031 χ^2/NDF: 14196587.9/44

All: 180.518+/-0.020 χ^2/NDF: 31848142.9/92

- sign 166.403+/-0.027 χ^2/NDF: 17004743.5/47



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: 0.018+/-0.043 χ^2/NDF: 28.7/24

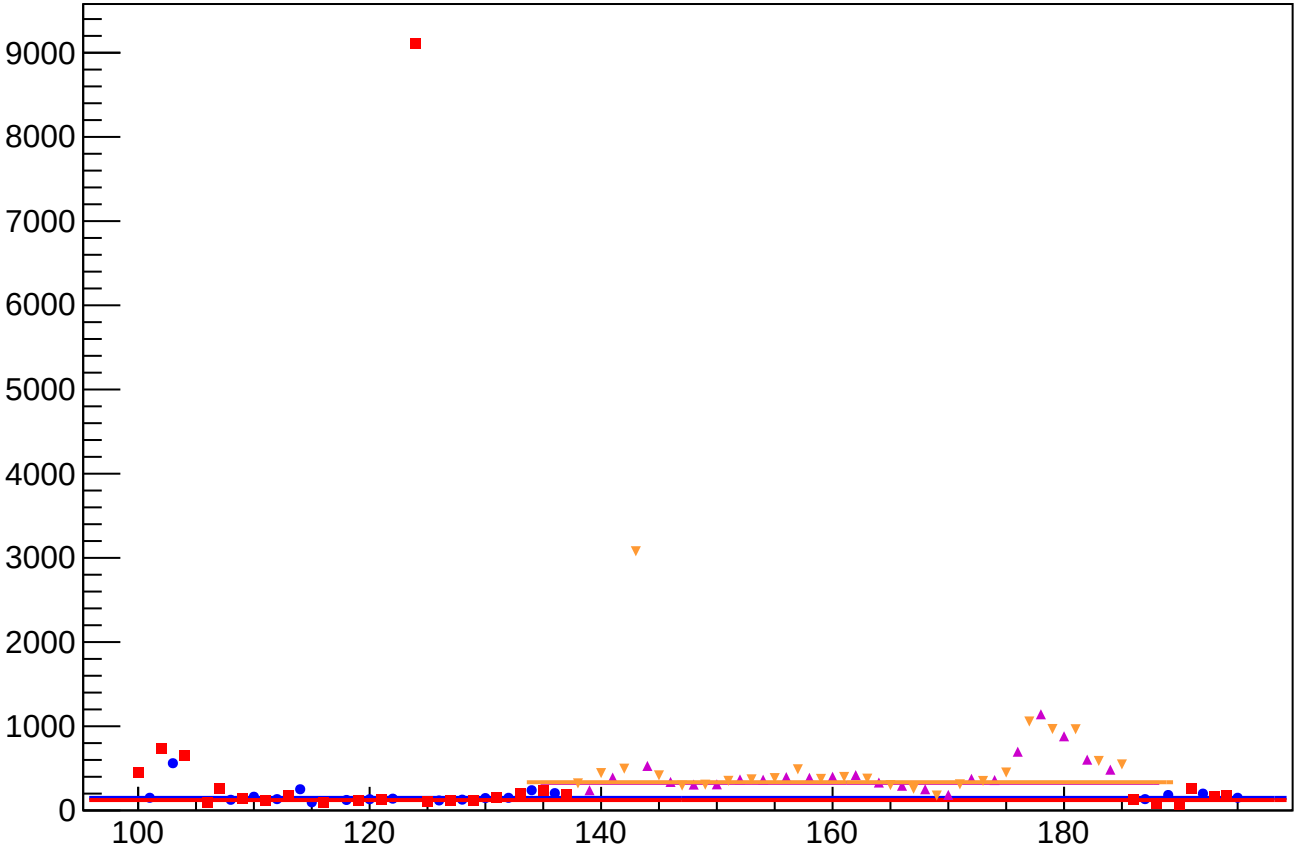
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 53.3/44

All: -0.004+/-0.029 χ^2/NDF: 111.8/92

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

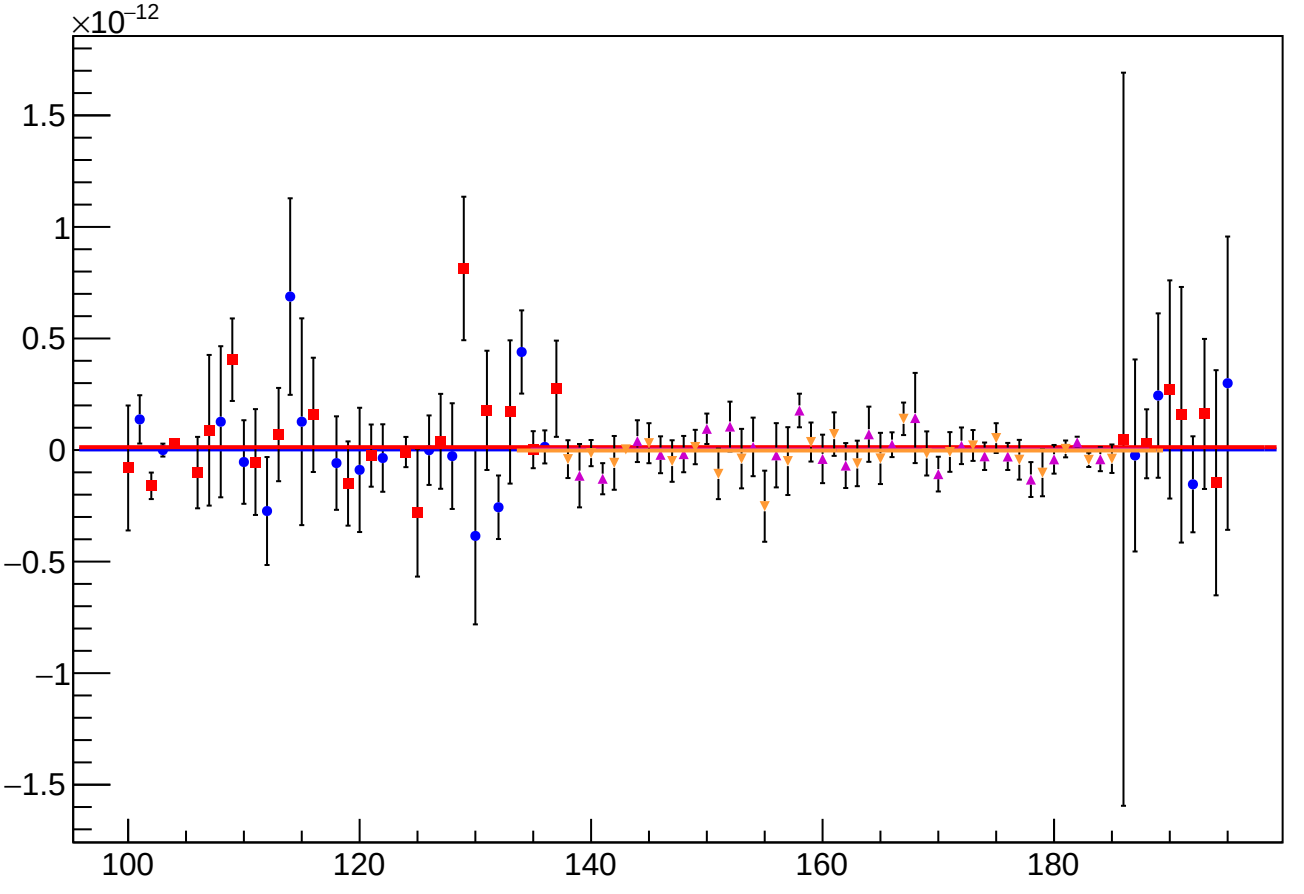
Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 199.407+/-0.031 χ^2/NDF: 14196587.9/44

All: 180.518+/-0.020 χ^2/NDF: 31848142.9/92

- sign 166.403+/-0.027 χ^2/NDF: 17004743.5/47



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: 25.8/24

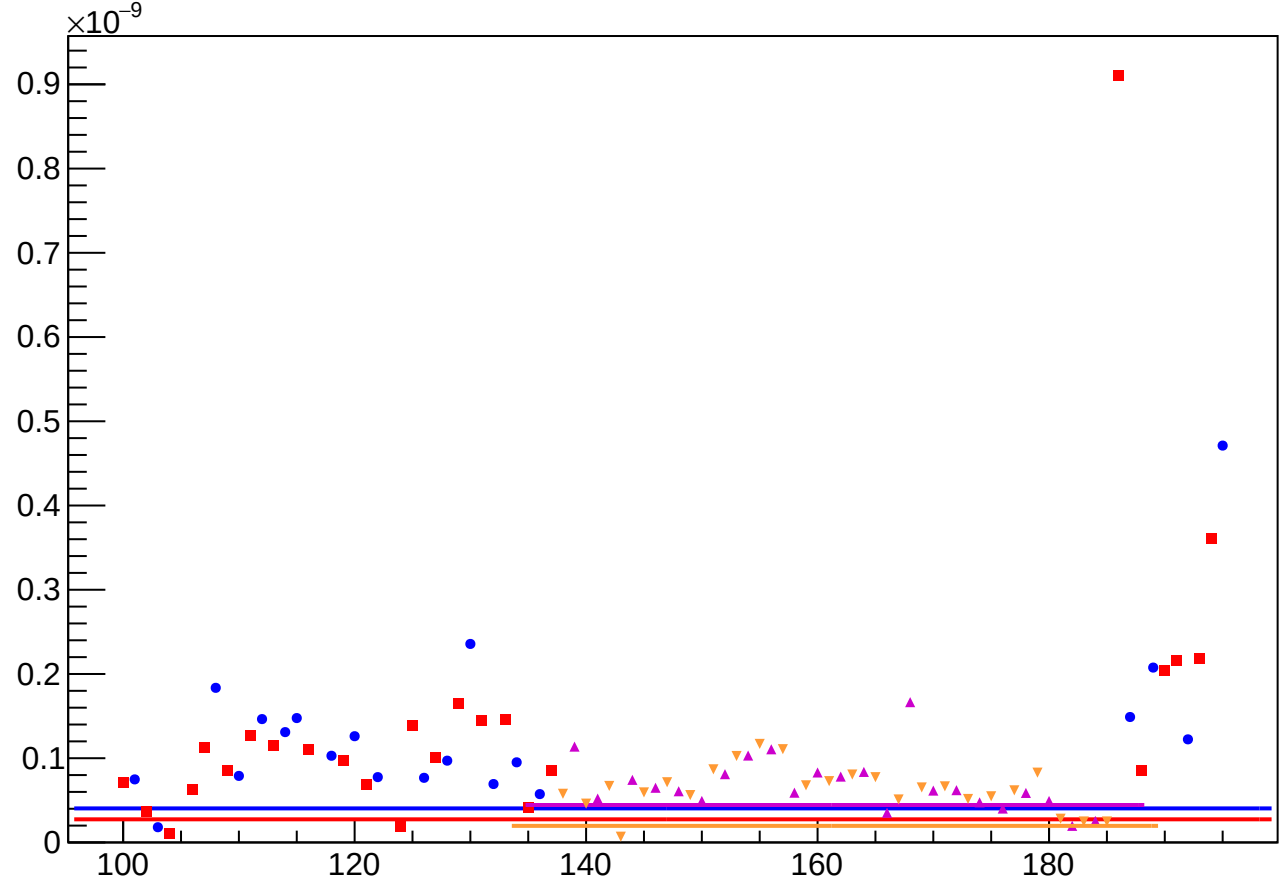
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/44

All: 0.000+/-0.000 χ^2/NDF: 79.2/92

- sign 0.000+/-0.000 χ^2/NDF: 48.5/47

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: 7584052.2/24

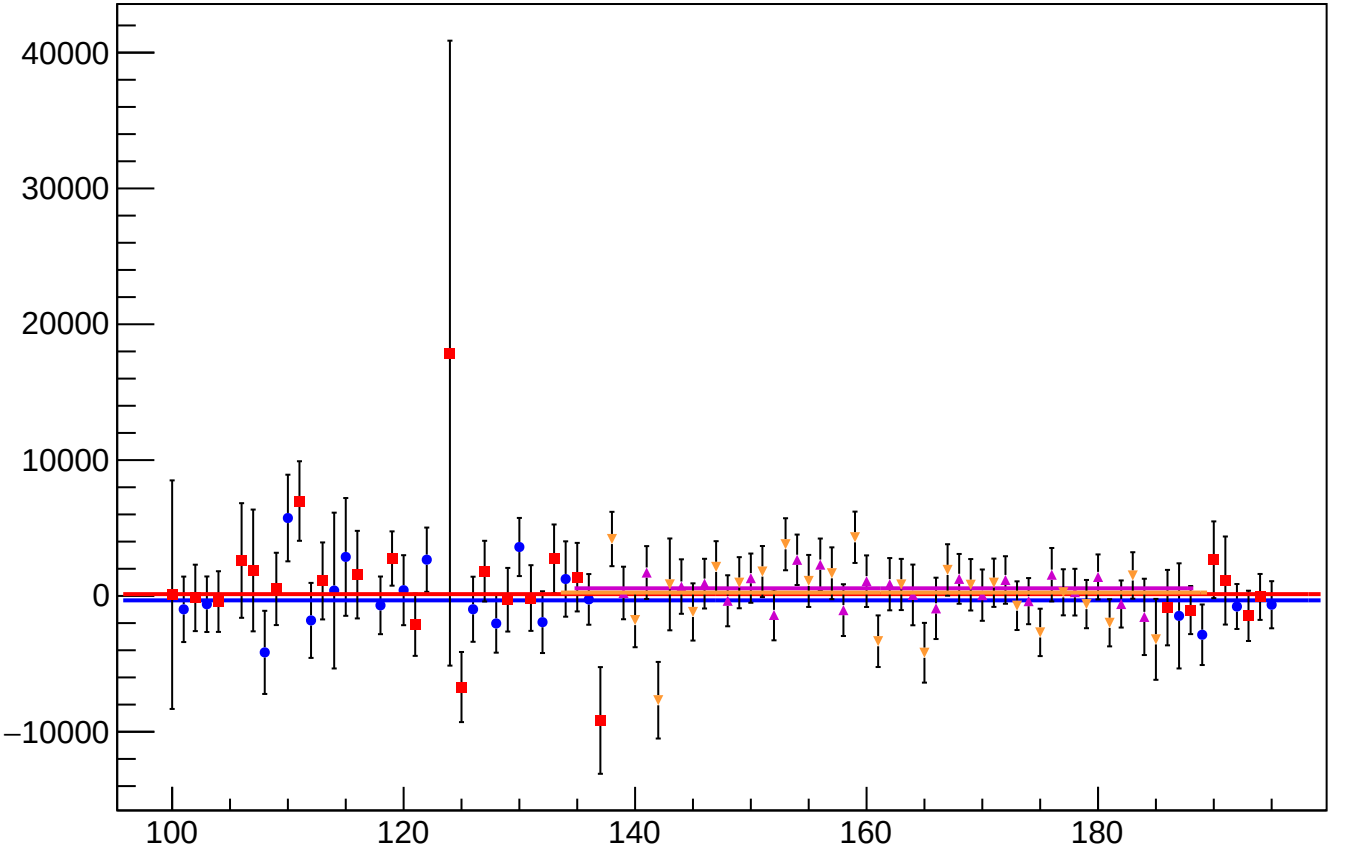
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21908225.1/44

All: 0.000+/-0.000 χ^2/NDF: 39275596.3/92

- sign 0.000+/-0.000 χ^2/NDF: 14580858.7/47

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: 132.067+/-512.879 χ^2/NDF: 26.4/24

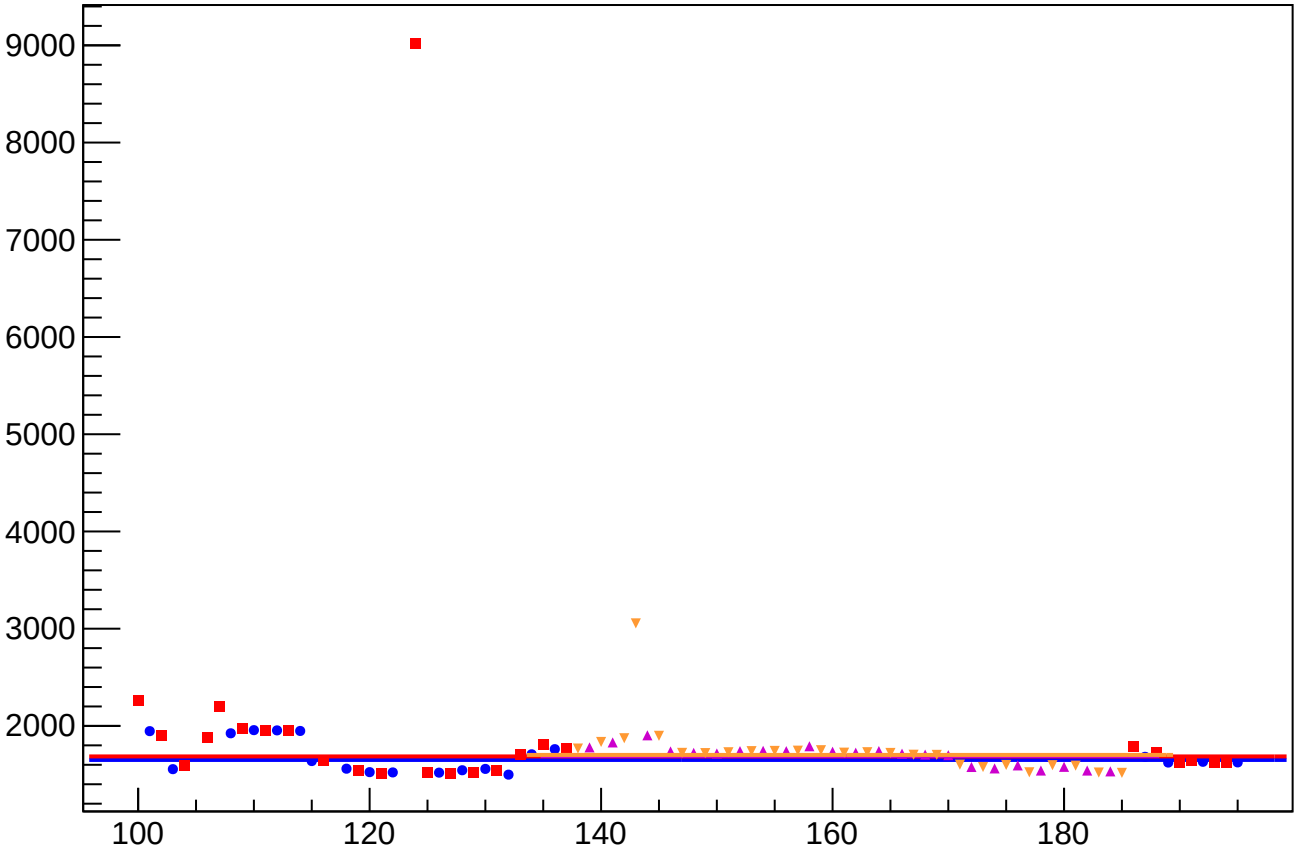
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 47.088+/-313.383 χ^2/NDF: 54.6/44

All: 224.067+/-221.460 χ^2/NDF: 89.6/92

- sign 400.615+/-313.001 χ^2/NDF: 34.4/47

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: 1686.082+/-0.362 χ^2/NDF: 396855.4/24

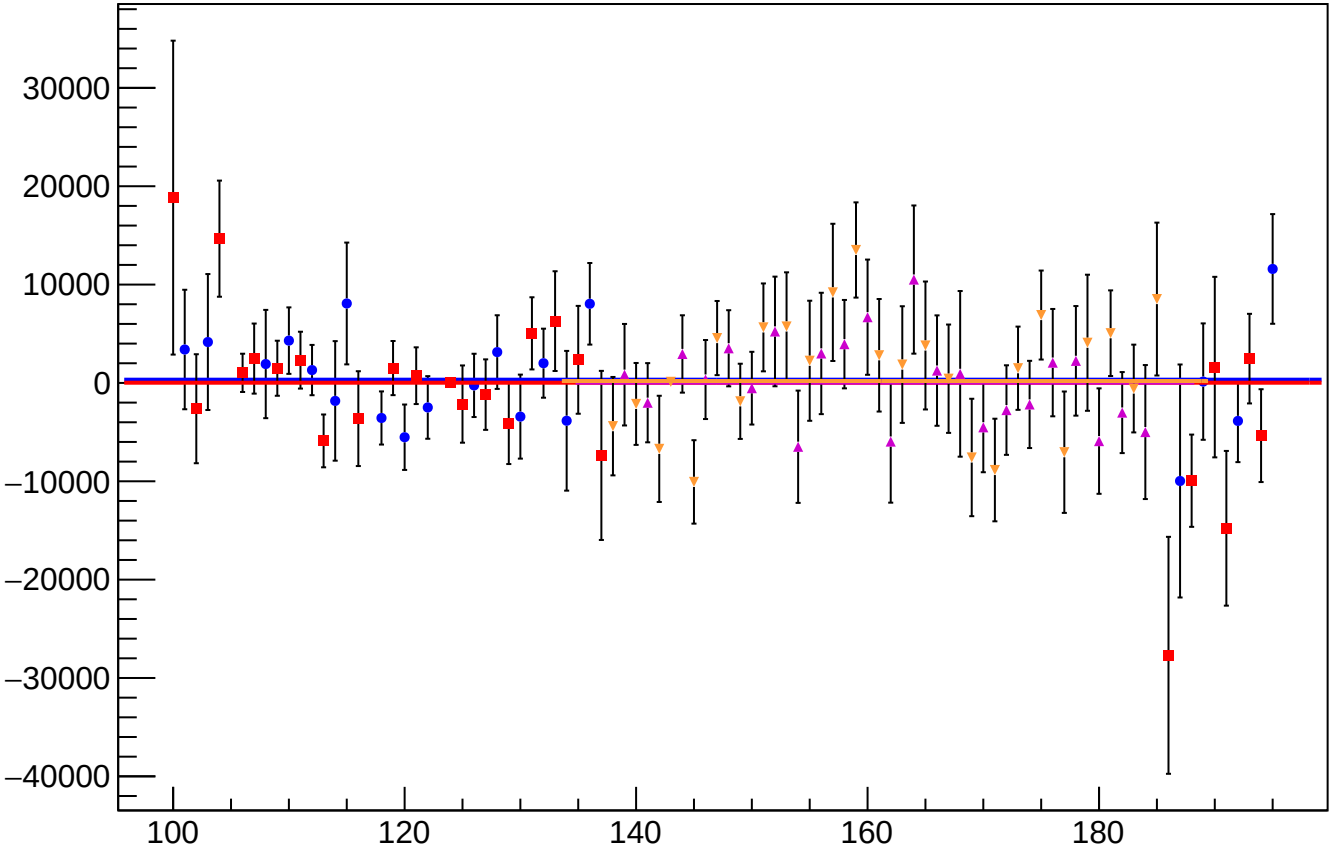
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.3/44

All: 1685.789+/-0.157 χ^2/NDF: 1129526.5/92

- sign 1688.071+/-0.221 χ^2/NDF: 519221.6/47

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: 22.052+/-320.812 χ^2/NDF: 35.9/24

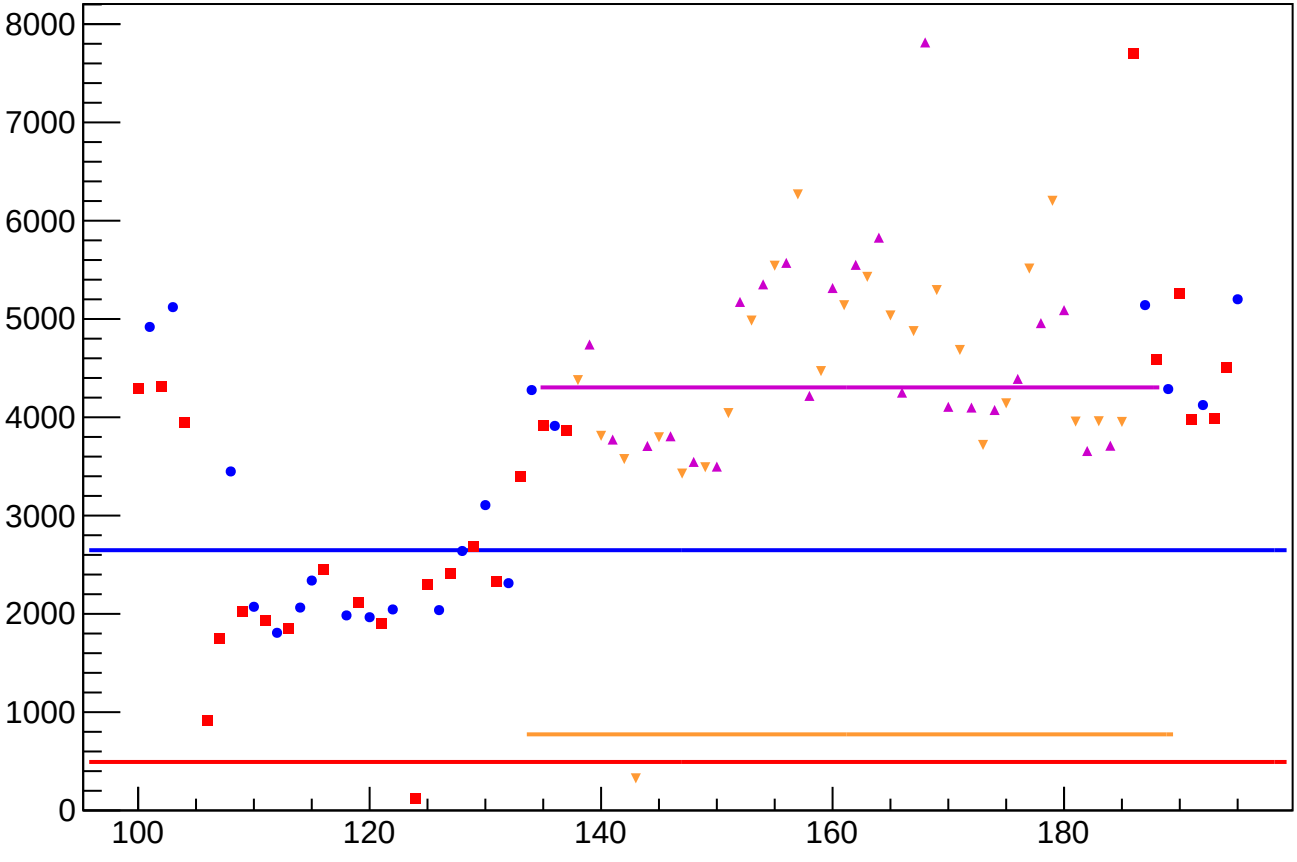
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 210.500+/-321.067 χ^2/NDF: 55.0/44

All: 112.117+/-221.577 χ^2/NDF: 104.4/92

\- sign 22.647+/-306.179 χ^2/NDF: 49.2/47

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: 493.387+/-0.227 χ^2/NDF: 16965426.3/24

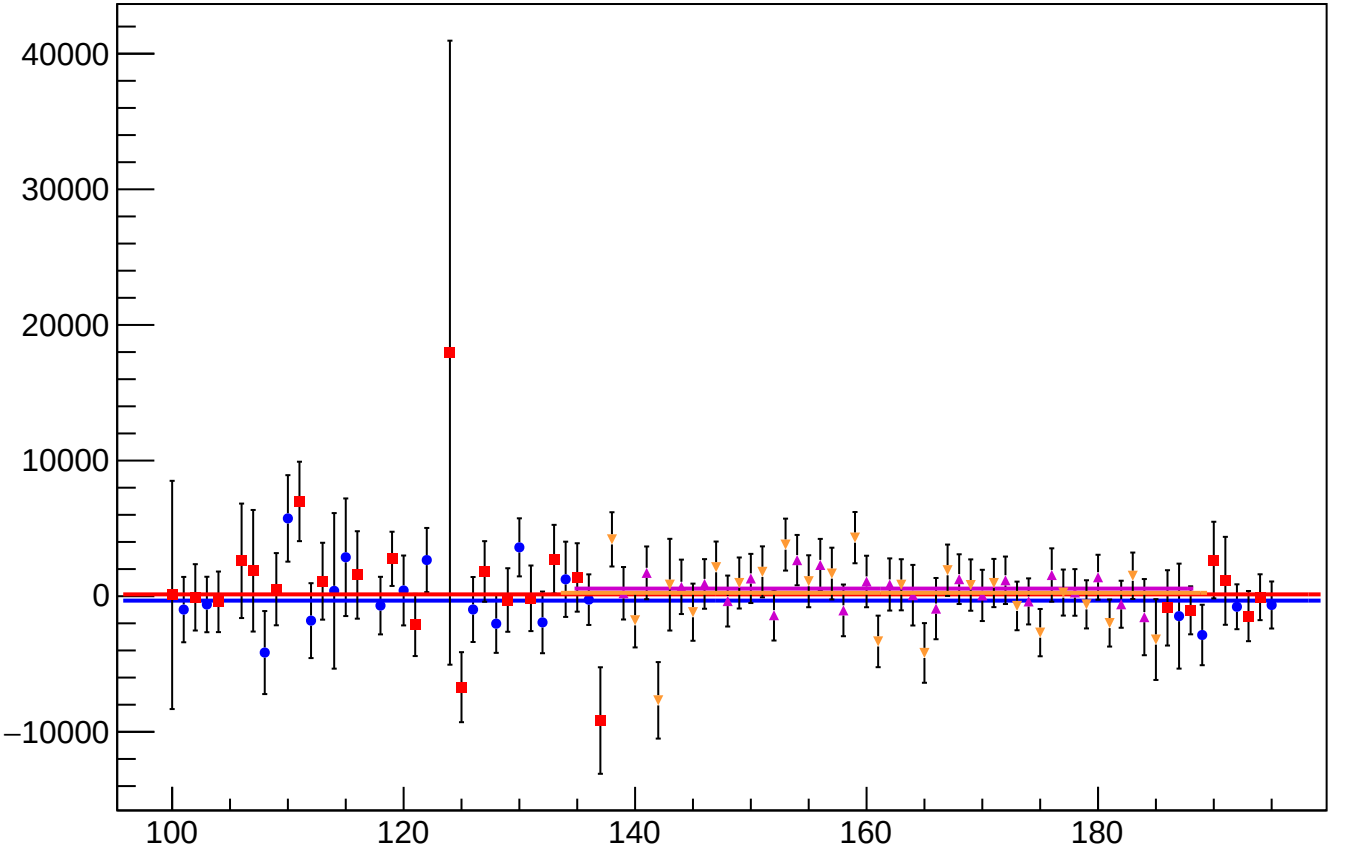
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1007.443+/-0.227 χ^2/NDF: 37973767.0/44

All: 916.126+/-0.157 χ^2/NDF: 81619170.7/92

- sign 833.083+/-0.217 χ^2/NDF: 43336492.3/47

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: 134.876+/-512.882 χ^2/NDF: 26.4/24

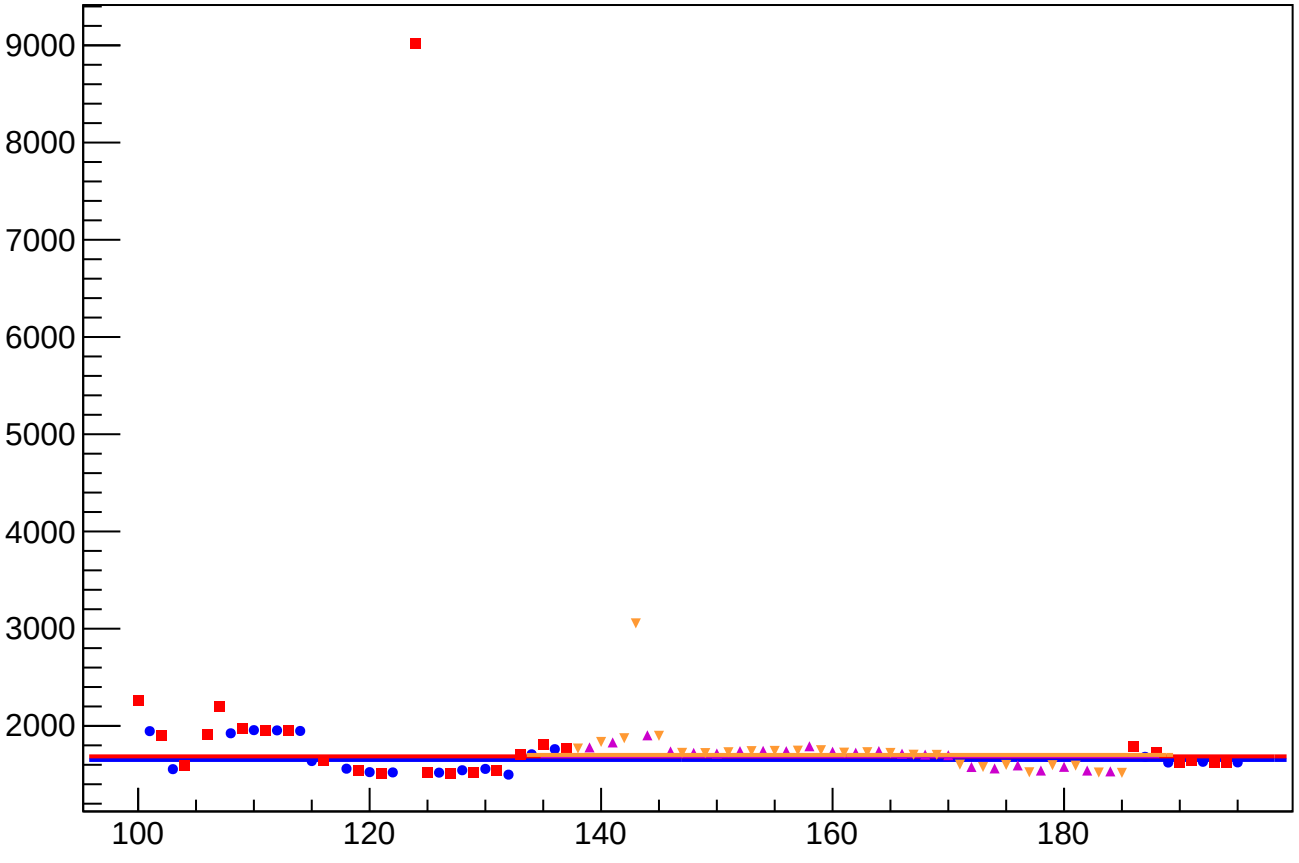
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 47.060+/-313.383 χ^2/NDF: 54.6/44

All: 224.566+/-221.460 χ^2/NDF: 89.6/92

- sign 401.641+/-313.002 χ^2/NDF: 34.4/47

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: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

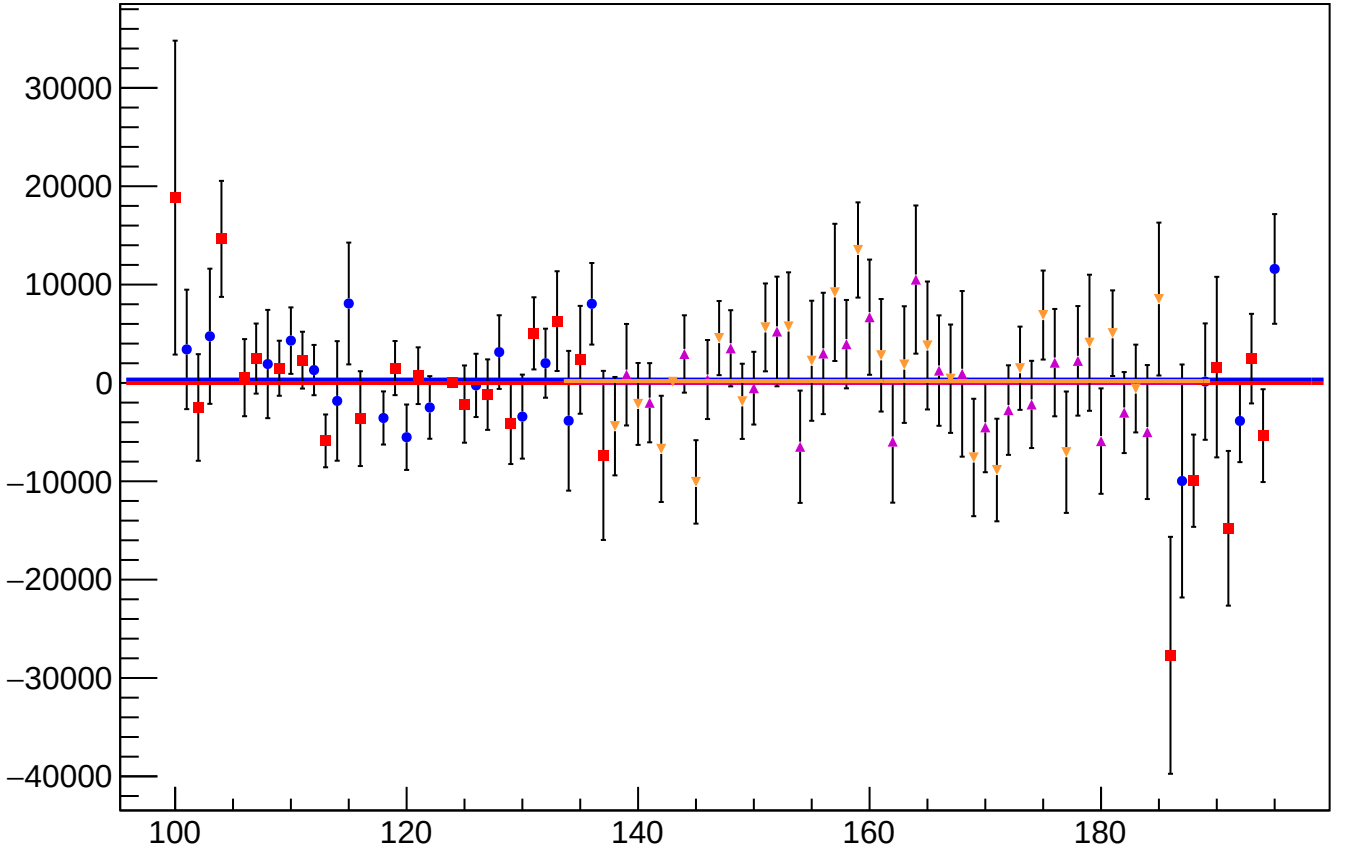
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.4/44

All: 1685.886+/-0.157 χ^2/NDF: 1131365.7/92

- sign 1688.264+/-0.221 χ^2/NDF: 521042.3/47

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: -5.783+/-313.062 χ^2/NDF: 35.6/24

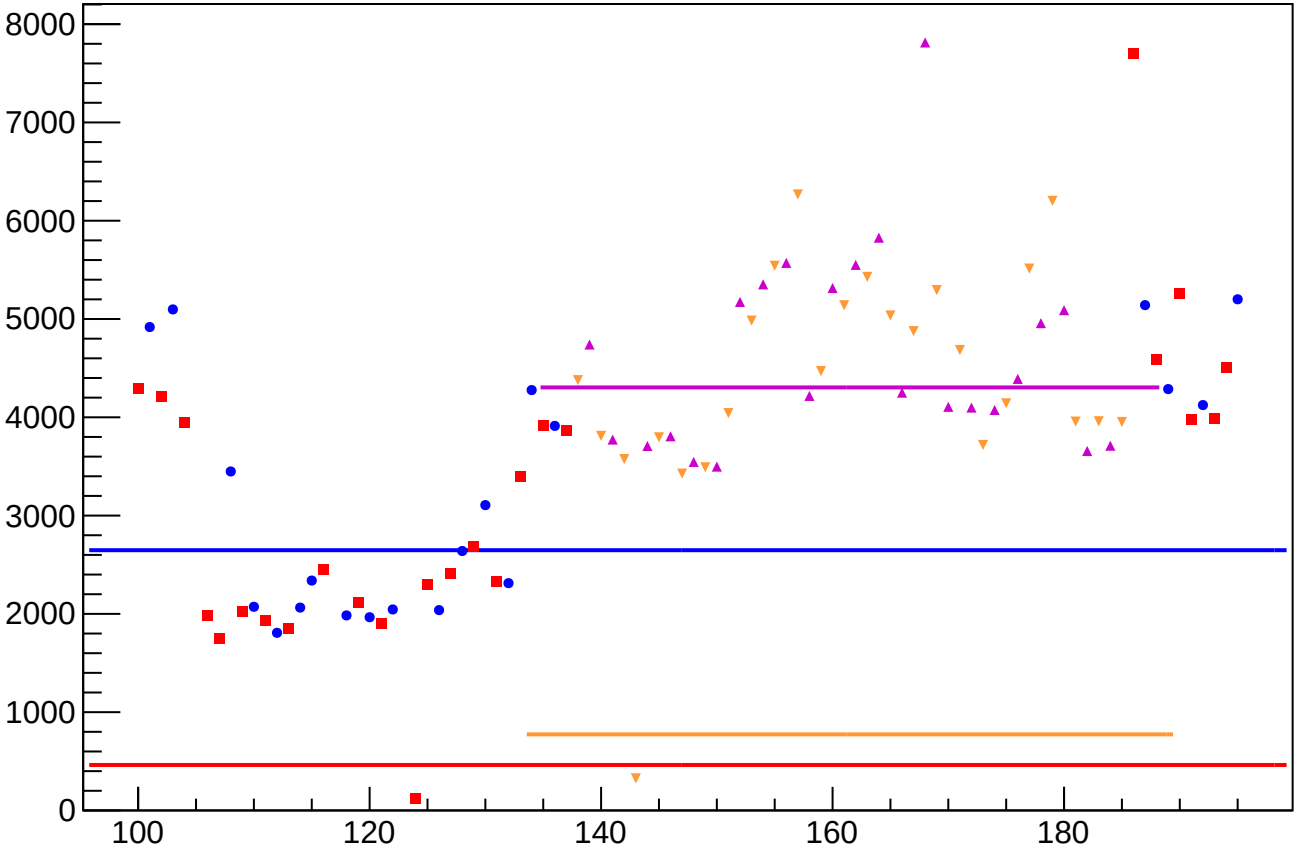
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 212.268+/-321.043 χ^2/NDF: 55.1/44

All: 97.228+/-218.967 χ^2/NDF: 104.2/92

- sign -2.837+/-299.420 χ^2/NDF: 48.9/47

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: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

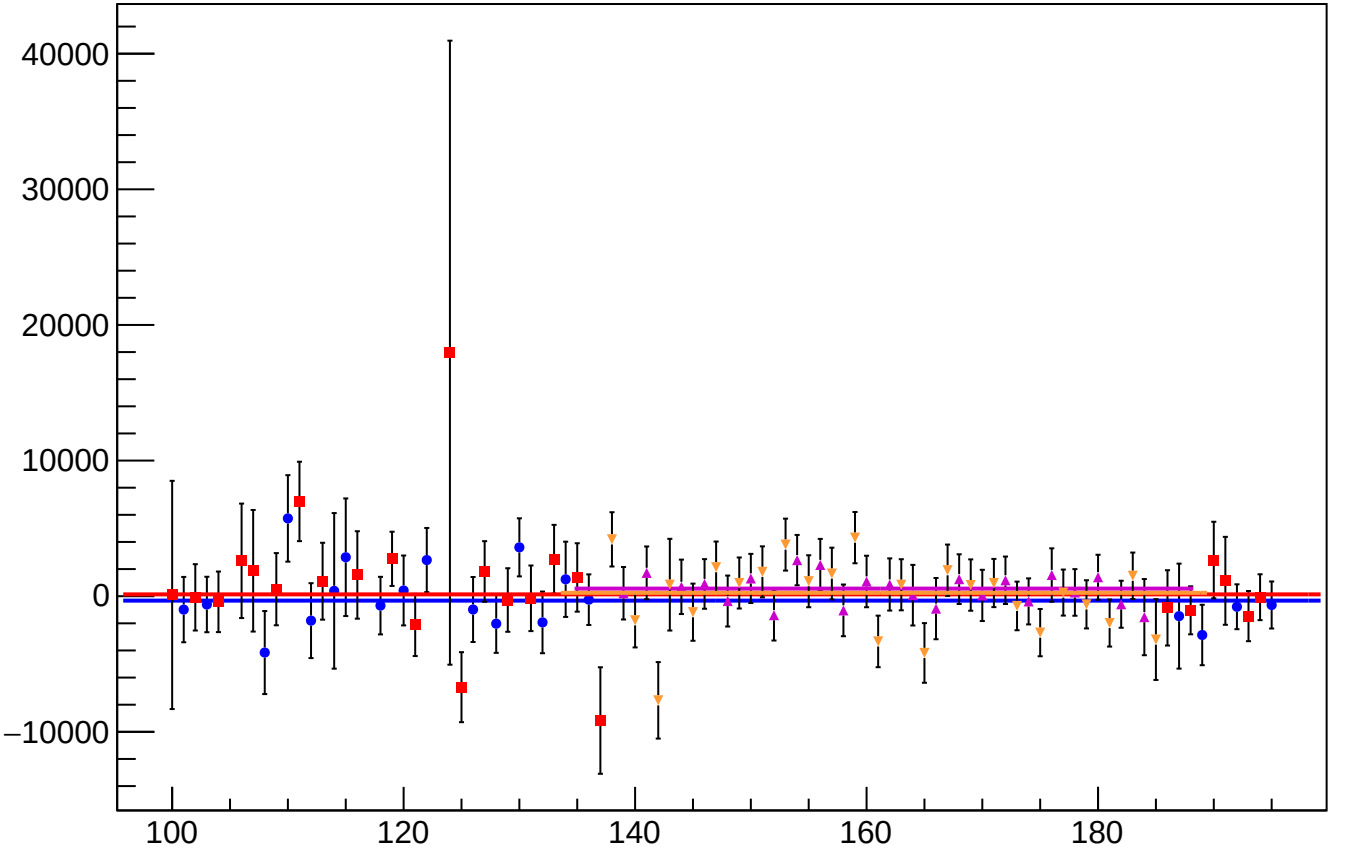
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1007.394+/-0.227 χ^2/NDF: 37975885.7/44

All: 891.246+/-0.155 χ^2/NDF: 82743680.9/92

- sign 790.217+/-0.212 χ^2/NDF: 44278323.4/47

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: 134.876+/-512.882 χ^2/NDF: 26.4/24

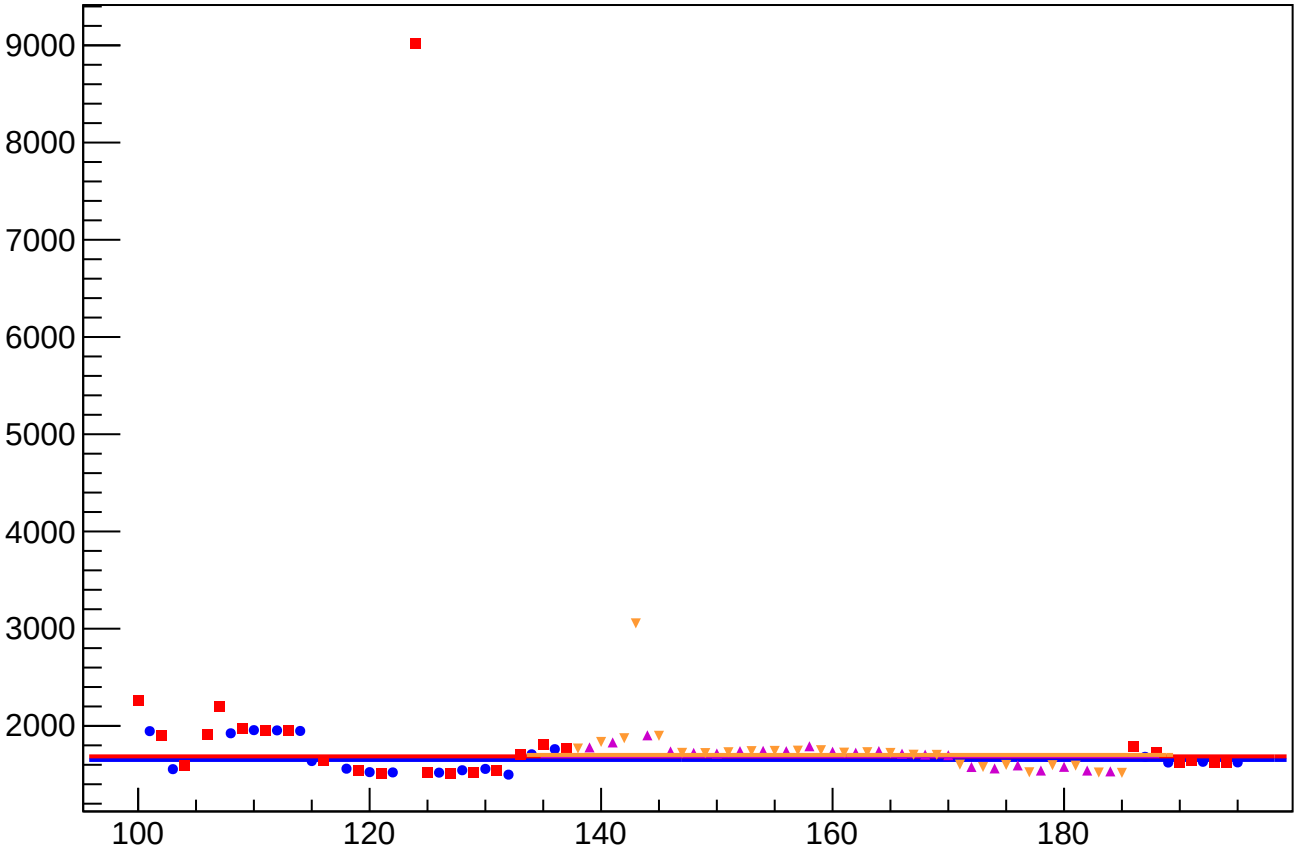
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 47.060+/-313.383 χ^2/NDF: 54.6/44

All: 224.566+/-221.460 χ^2/NDF: 89.6/92

- sign 401.641+/-313.002 χ^2/NDF: 34.4/47

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: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

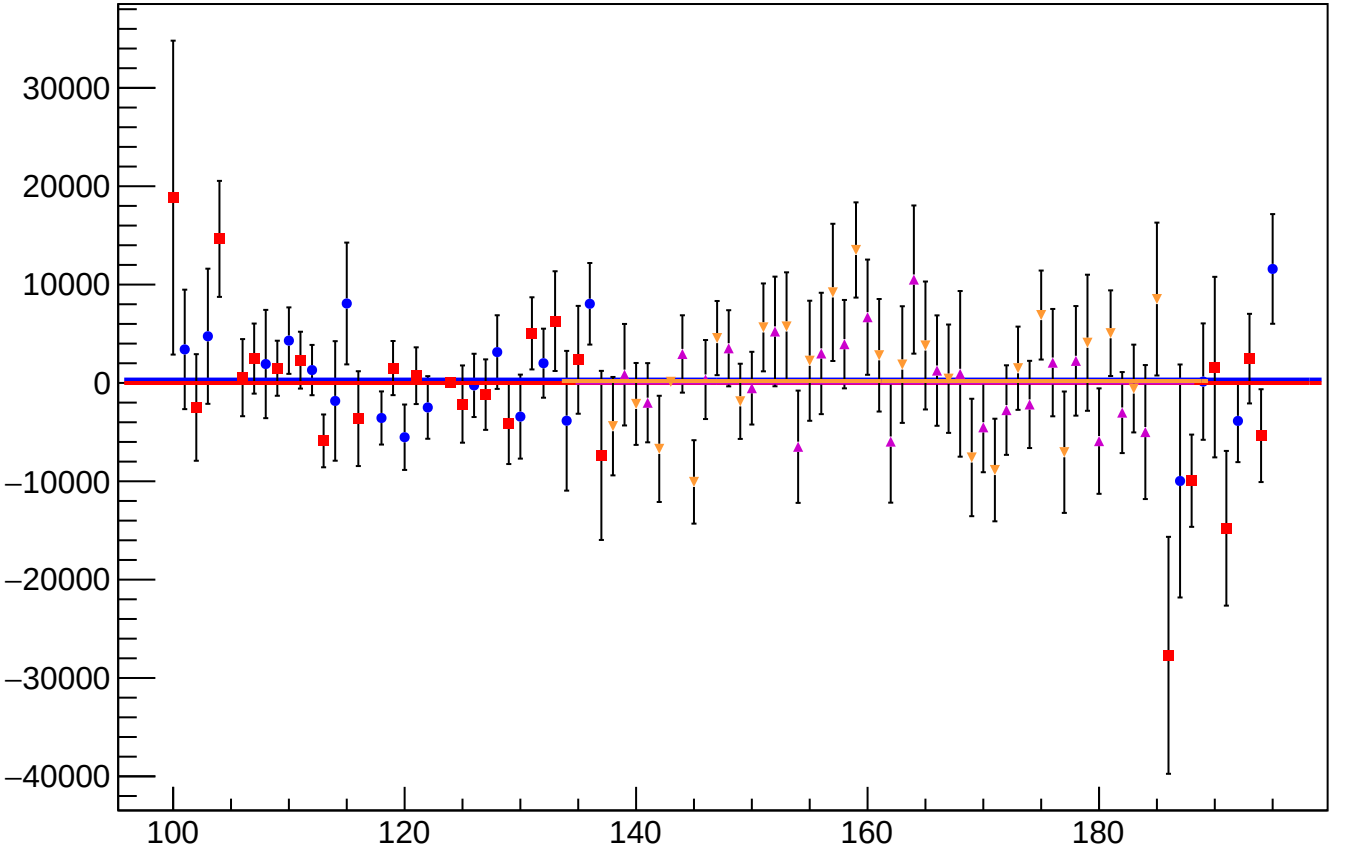
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1683.497+/-0.222 χ^2/NDF: 610091.4/44

All: 1685.886+/-0.157 χ^2/NDF: 1131365.7/92

- sign 1688.264+/-0.221 χ^2/NDF: 521042.3/47

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: -5.783+/-313.062 χ^2/NDF: 35.6/24

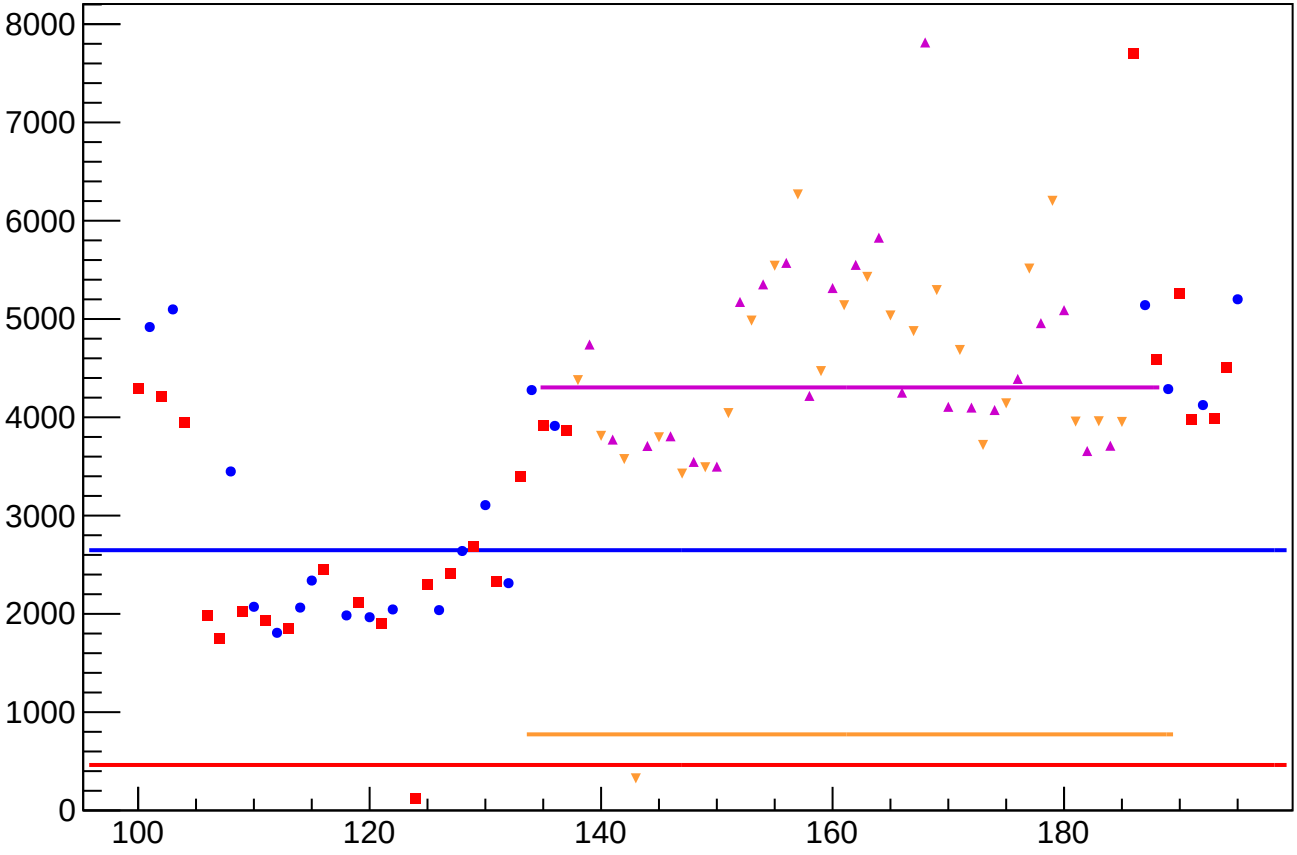
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 212.268+/-321.043 χ^2/NDF: 55.1/44

All: 97.228+/-218.967 χ^2/NDF: 104.2/92

- sign -2.837+/-299.420 χ^2/NDF: 48.9/47

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: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

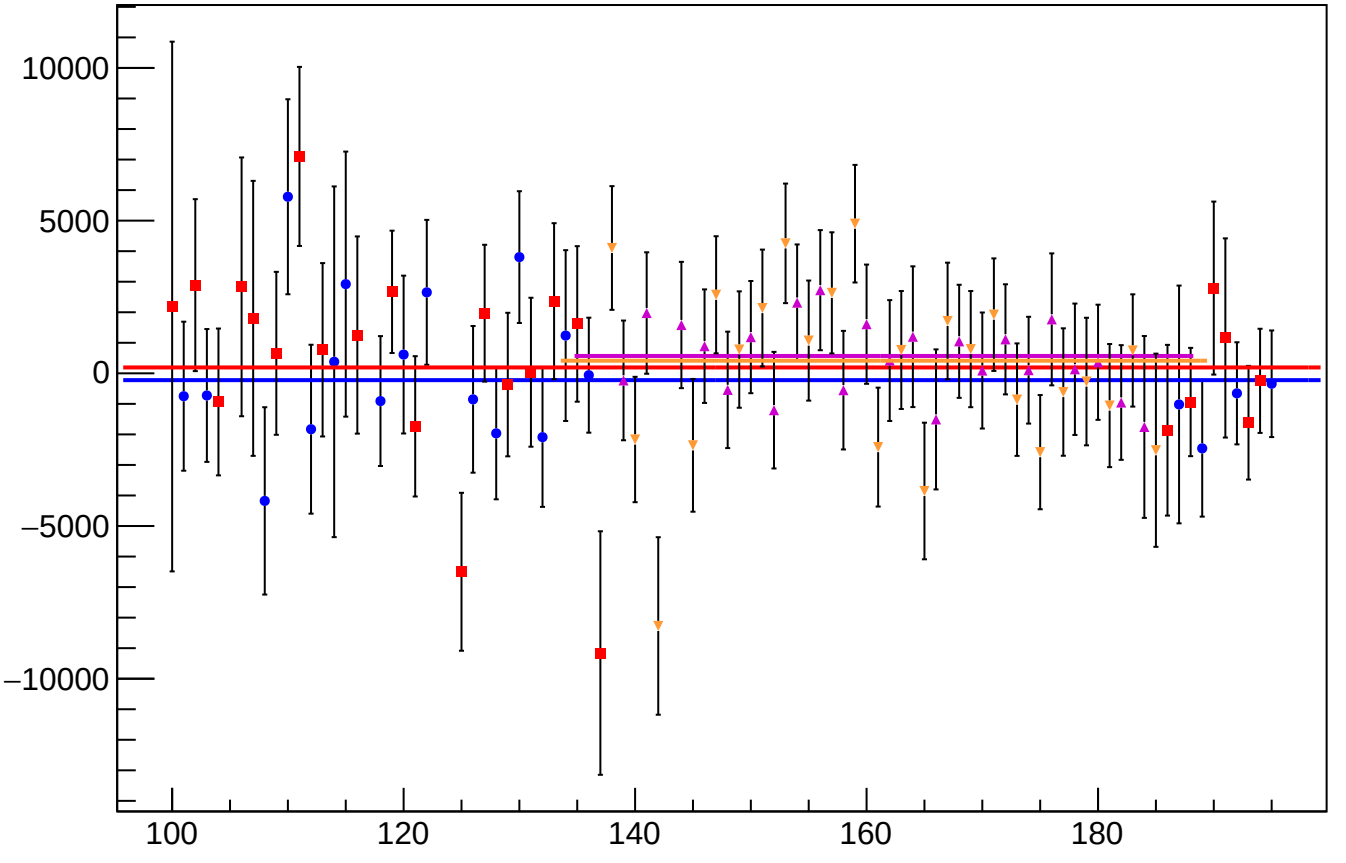
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

\+ sign 1007.394+/-0.227 χ^2/NDF: 37975885.7/44

All: 891.246+/-0.155 χ^2/NDF: 82743680.9/92

\- sign 790.217+/-0.212 χ^2/NDF: 44278323.4/47

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: 192.536+/-519.963 χ^2/NDF: 26.5/23

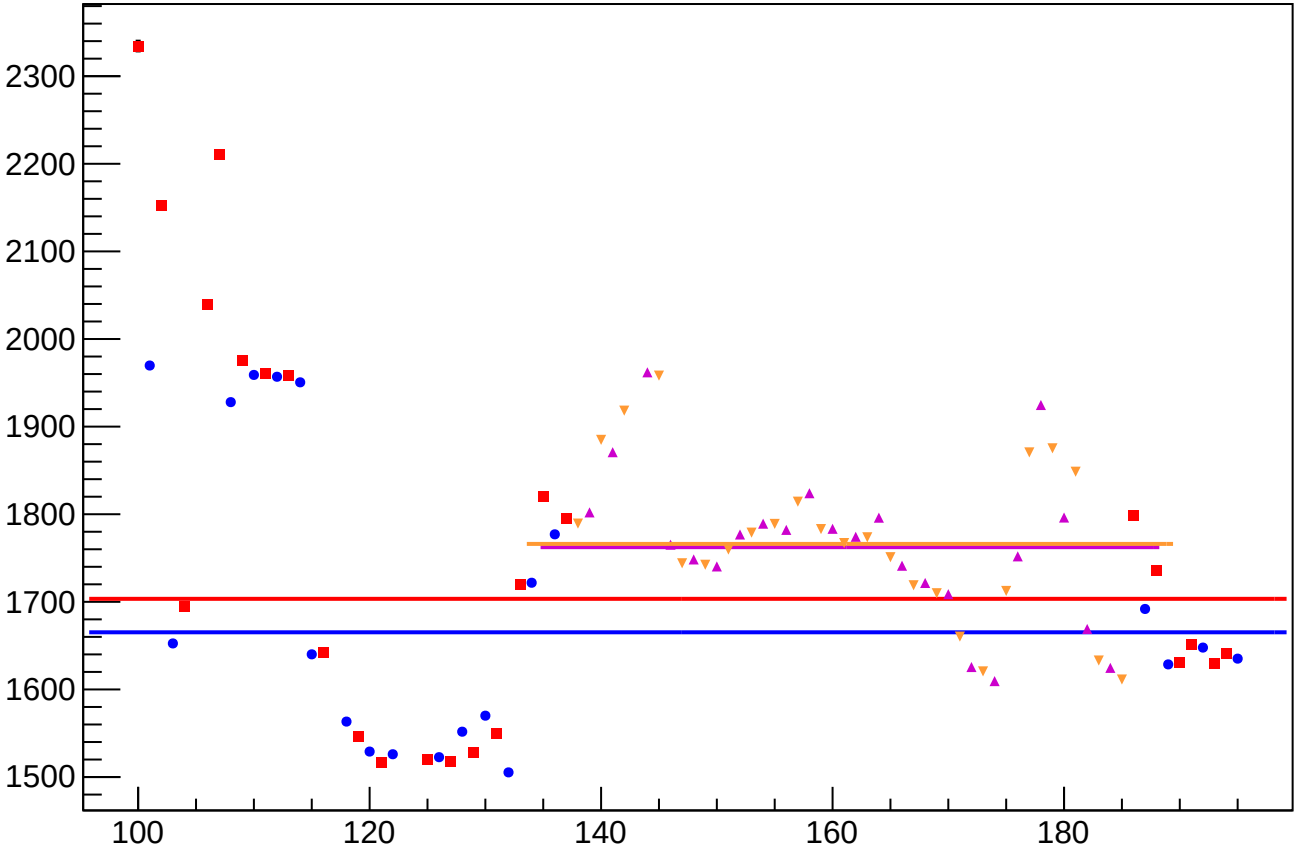
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 177.023+/-325.543 χ^2/NDF: 55.0/43

All: 301.336+/-229.269 χ^2/NDF: 89.8/90

- sign 423.670+/-322.942 χ^2/NDF: 34.5/46

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: 1703.432+/-0.367 χ^2/NDF: 239263.2/23

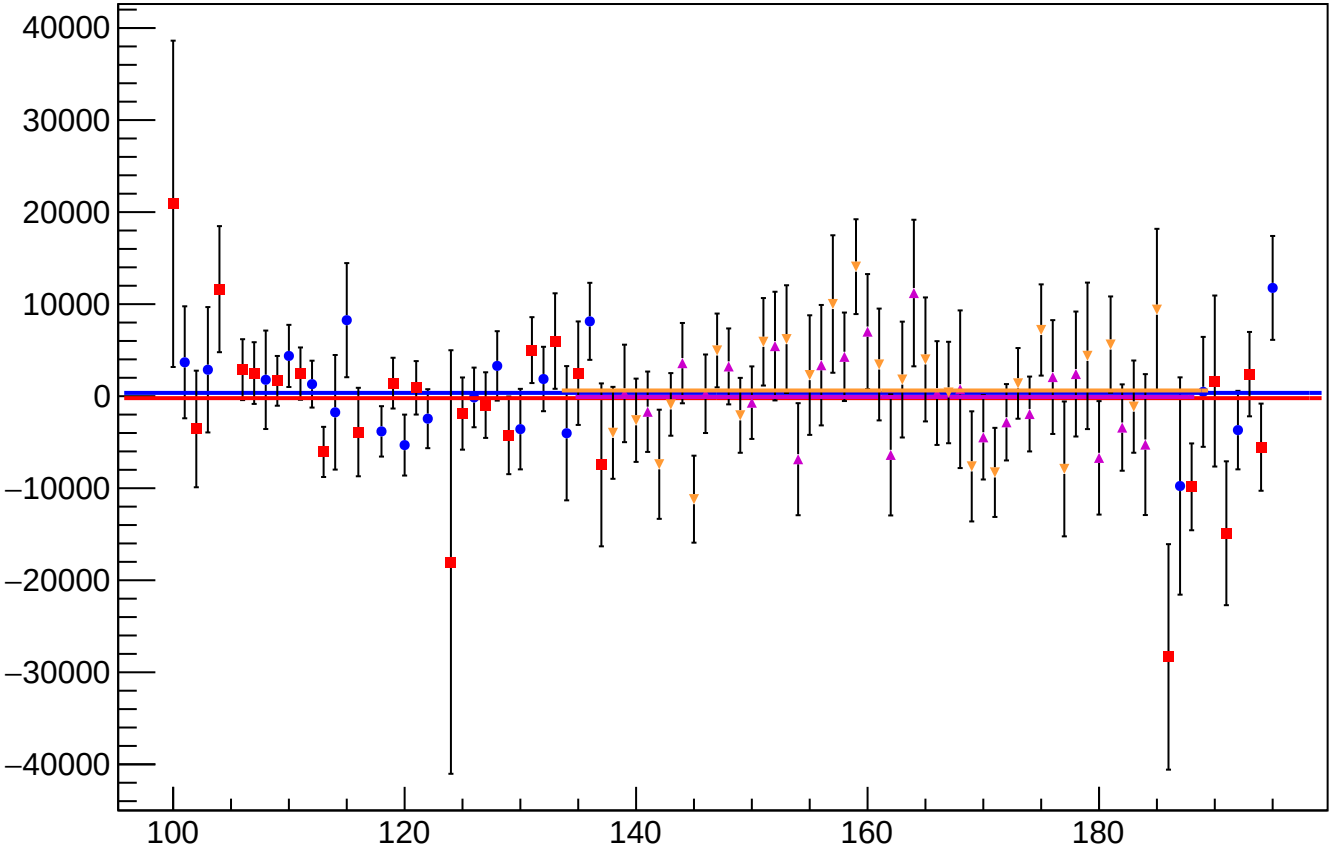
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1728.667+/-0.230 χ^2/NDF: 270767.3/43

All: 1734.188+/-0.162 χ^2/NDF: 607094.2/90

- sign 1739.614+/-0.228 χ^2/NDF: 335186.3/46

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: -213.397+/-830.025 χ^2/NDF: 34.1/24

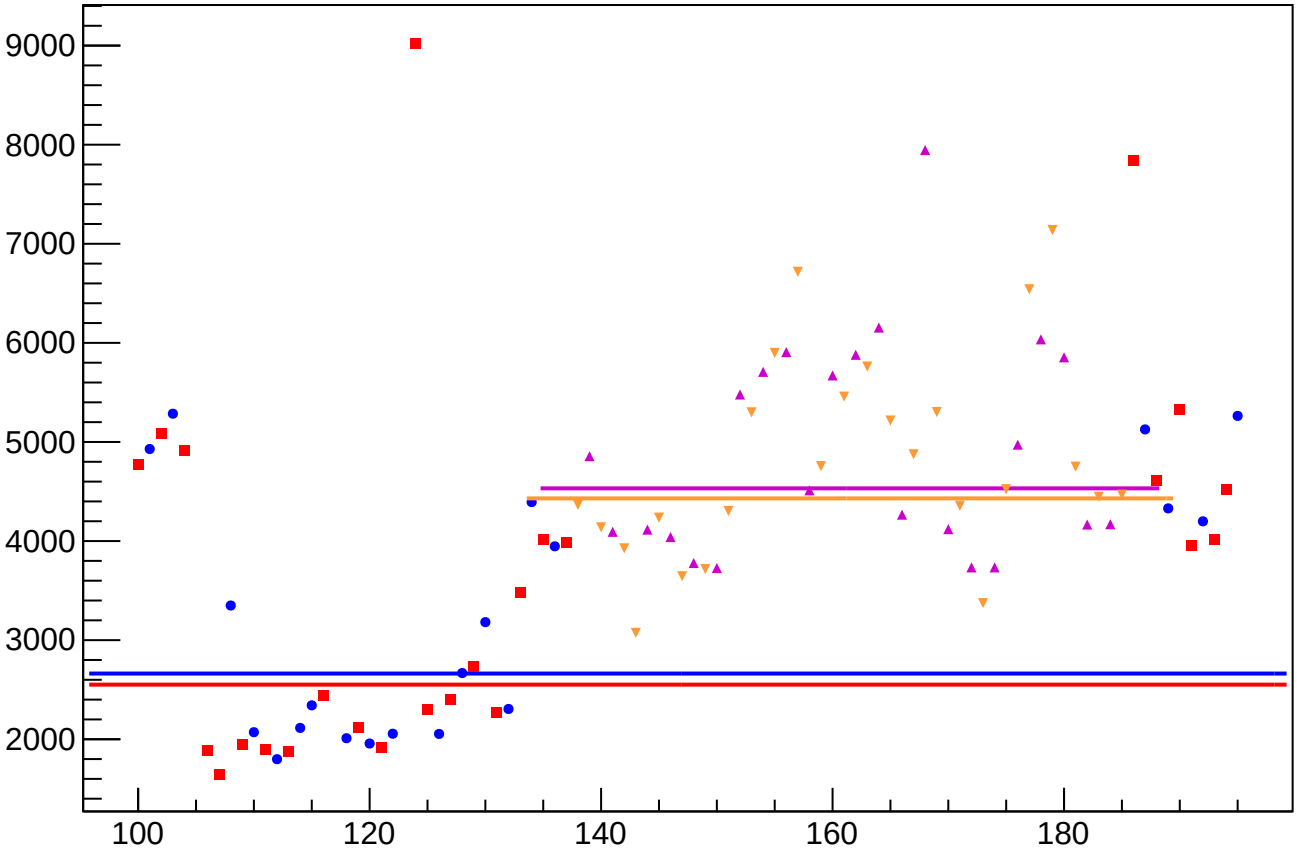
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 472.889+/-685.148 χ^2/NDF: 54.1/44

All: 140.843+/-474.840 χ^2/NDF: 101.5/92

- sign -166.048+/-658.683 χ^2/NDF: 47.0/47

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: 2551.078+/-0.587 χ^2/NDF: 3276661.1/24

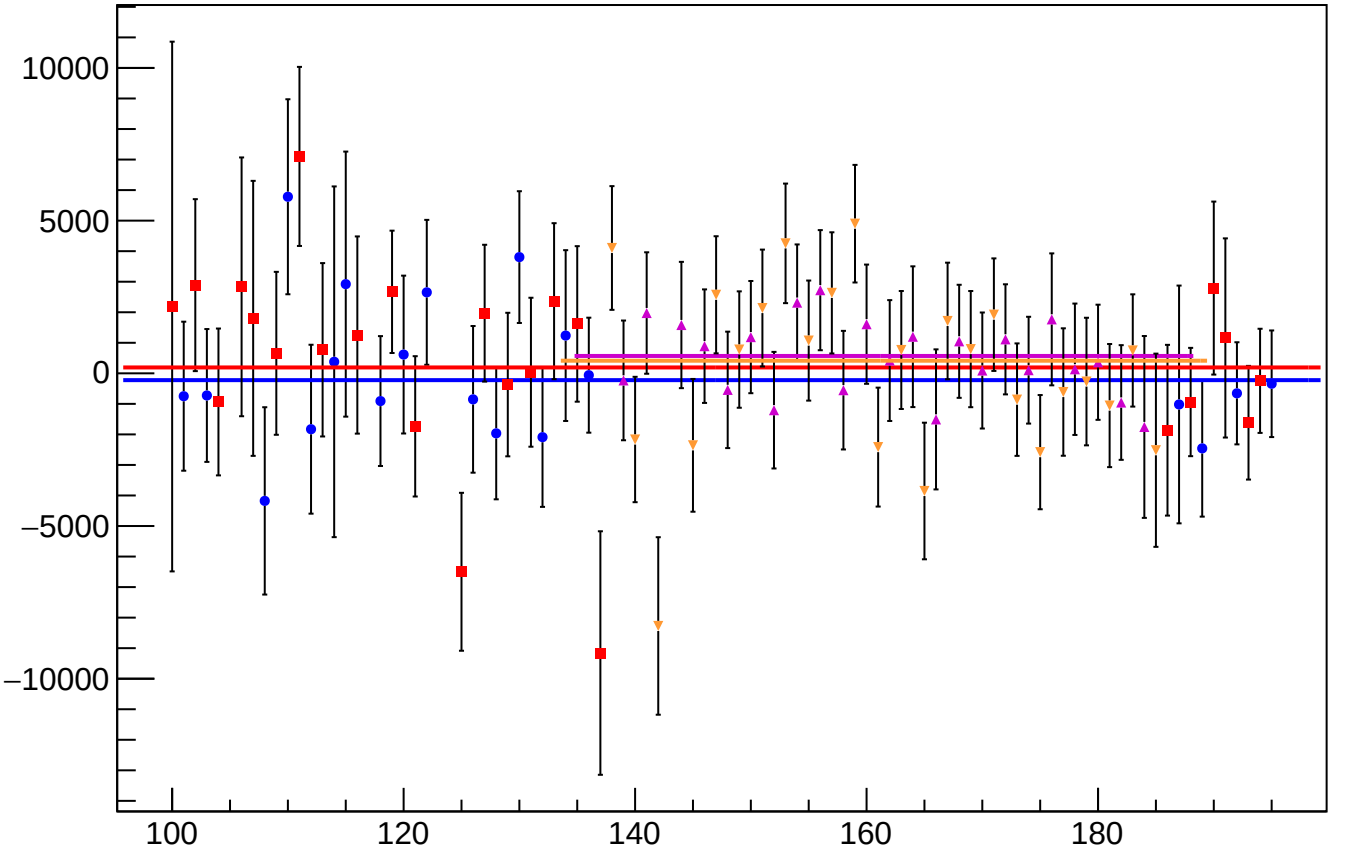
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3438.210+/-0.484 χ^2/NDF: 7434449.2/44

All: 3358.322+/-0.336 χ^2/NDF: 16357342.3/9

- sign 3284.486+/-0.466 χ^2/NDF: 8870571.2/47

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: 192.537+/-519.963 χ^2/NDF: 26.5/23

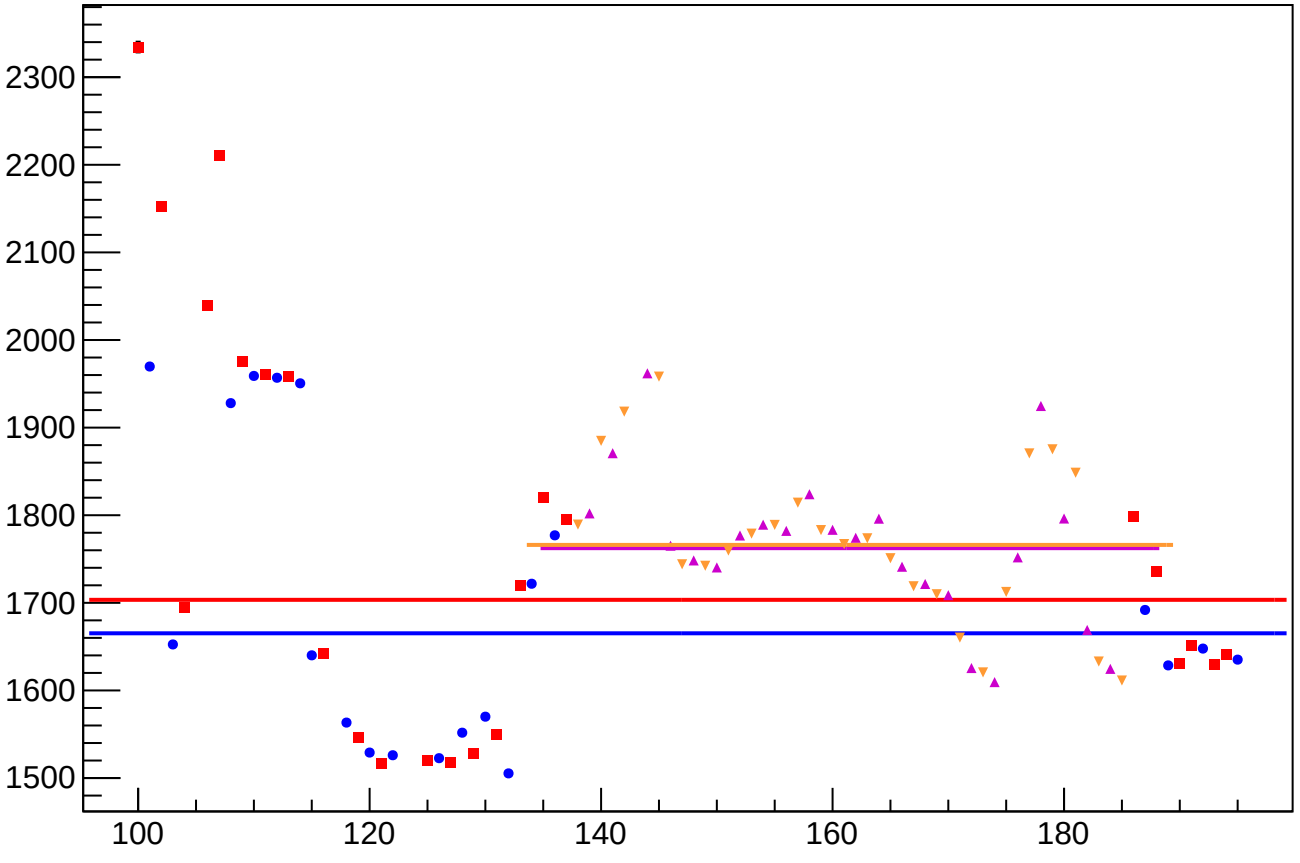
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 177.024+/-325.543 χ^2/NDF: 55.0/43

All: 301.336+/-229.269 χ^2/NDF: 89.8/90

- sign 423.670+/-322.942 χ^2/NDF: 34.5/46

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: 1703.431+/-0.367 χ^2/NDF: 239262.3/23

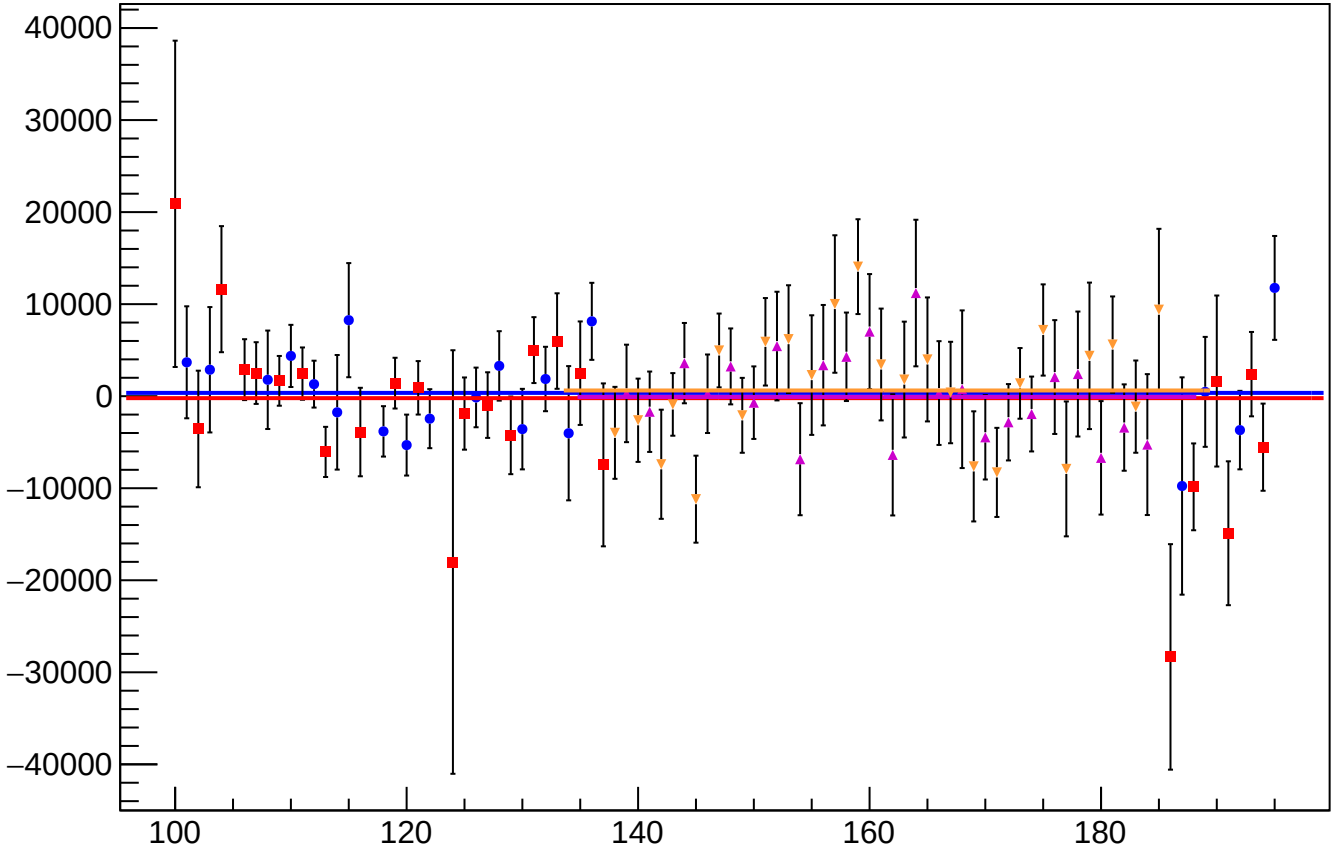
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1728.667+/-0.230 χ^2/NDF: 270771.3/43

All: 1734.188+/-0.162 χ^2/NDF: 607100.6/90

- sign 1739.615+/-0.228 χ^2/NDF: 335188.8/46

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: -213.391+/-830.023 χ^2/NDF: 34.1/24

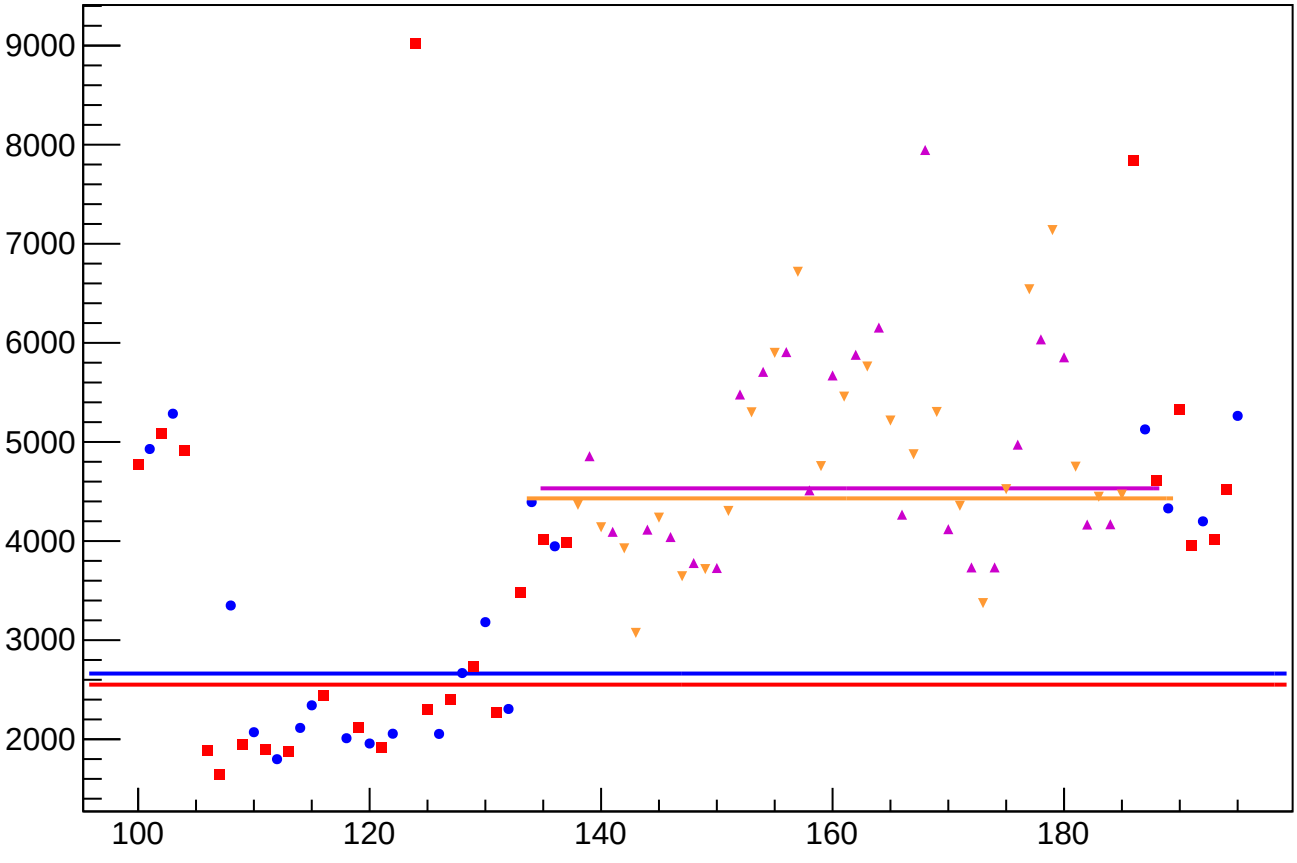
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 472.887+/-685.147 χ^2/NDF: 54.1/44

All: 140.843+/-474.839 χ^2/NDF: 101.5/92

- sign -166.044+/-658.682 χ^2/NDF: 47.0/47

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: 2551.069+/-0.587 χ^2/NDF: 3276687.6/24

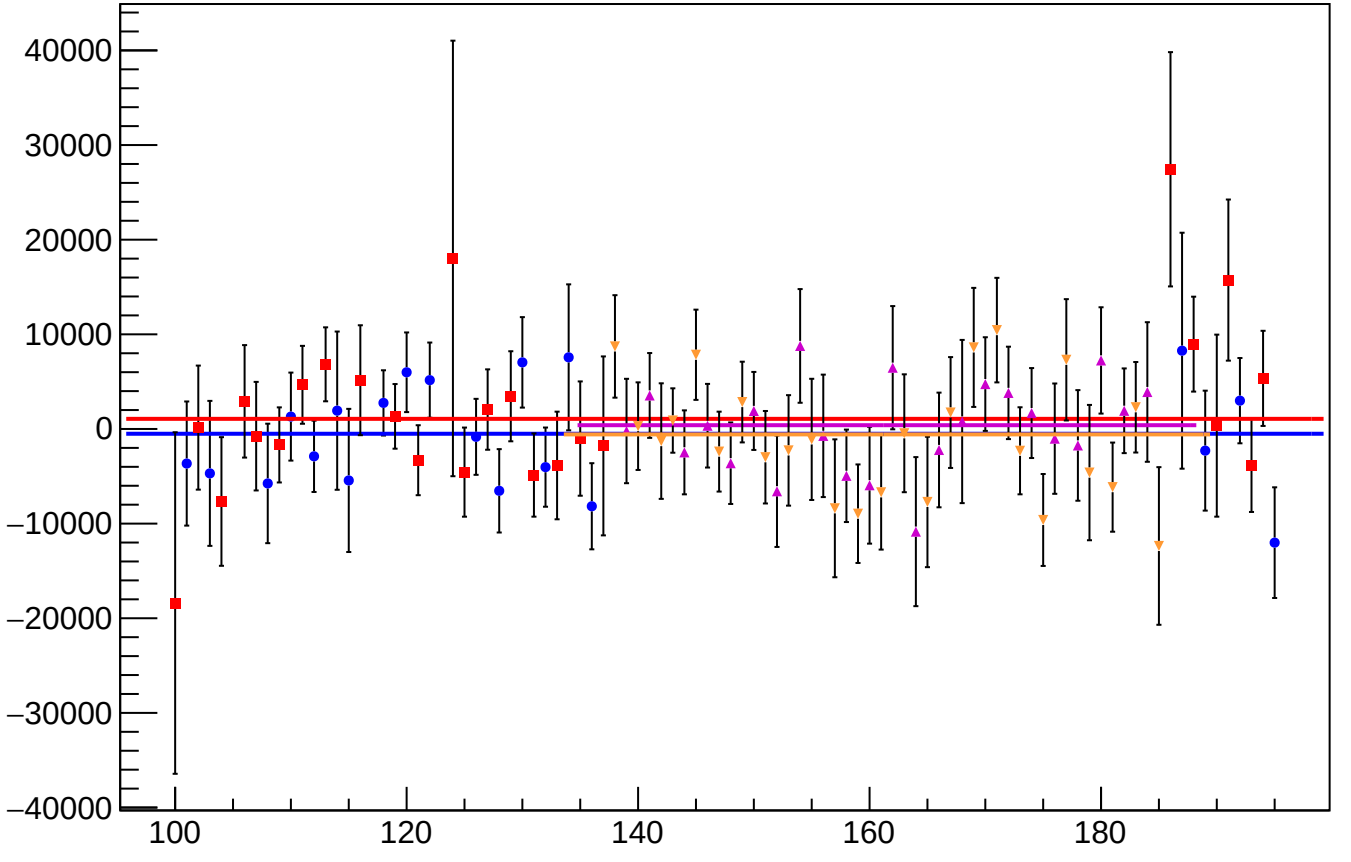
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3438.203+/-0.484 χ^2/NDF: 7434551.2/44

All: 3358.315+/-0.336 χ^2/NDF: 16357540.9/9

- sign 3284.479+/-0.466 χ^2/NDF: 8870667.9/47

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: 1069.921+/-1052.295 χ^2/NDF: 25.1/24

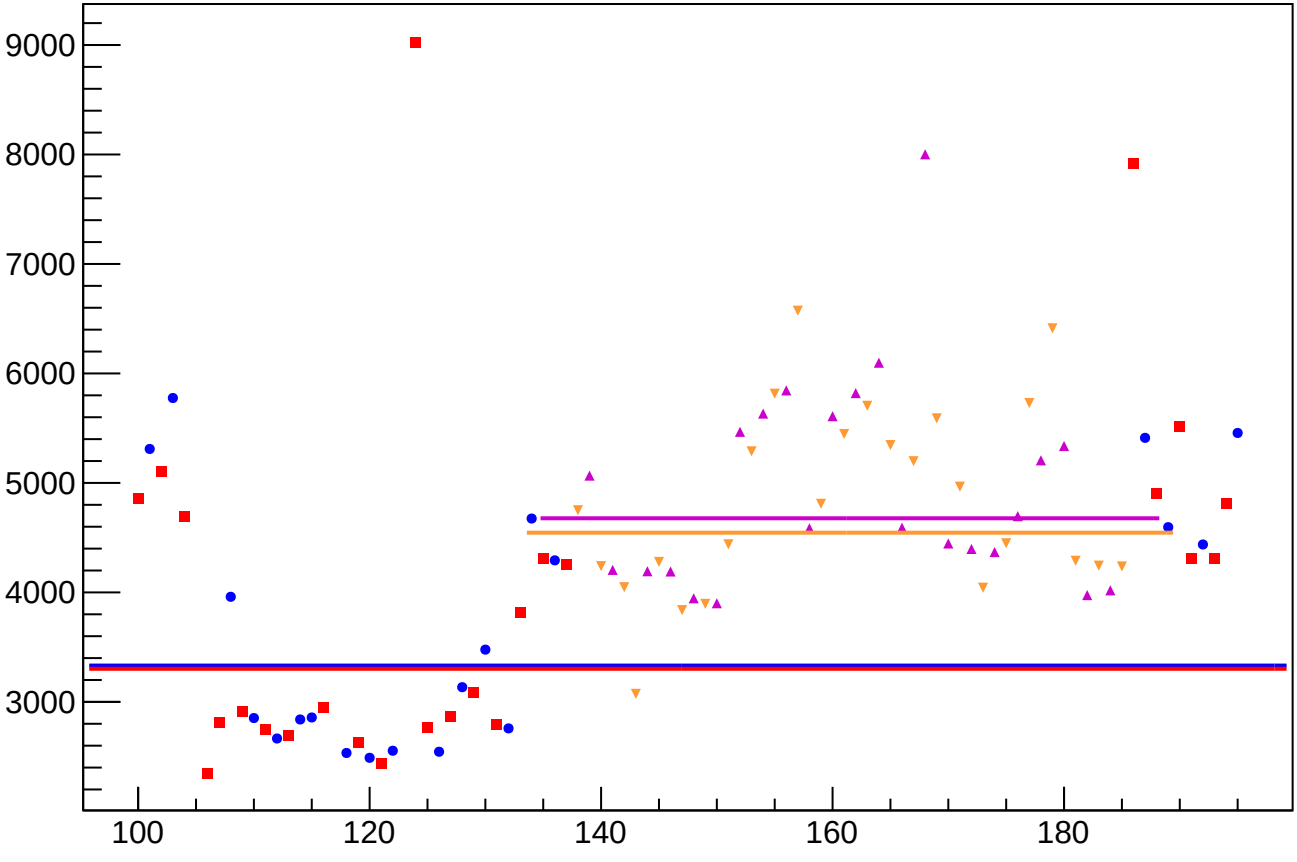
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -541.167+/-765.590 χ^2/NDF: 50.4/44

All: 107.138+/-540.615 χ^2/NDF: 91.2/92

- sign 751.917+/-763.504 χ^2/NDF: 39.3/47

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

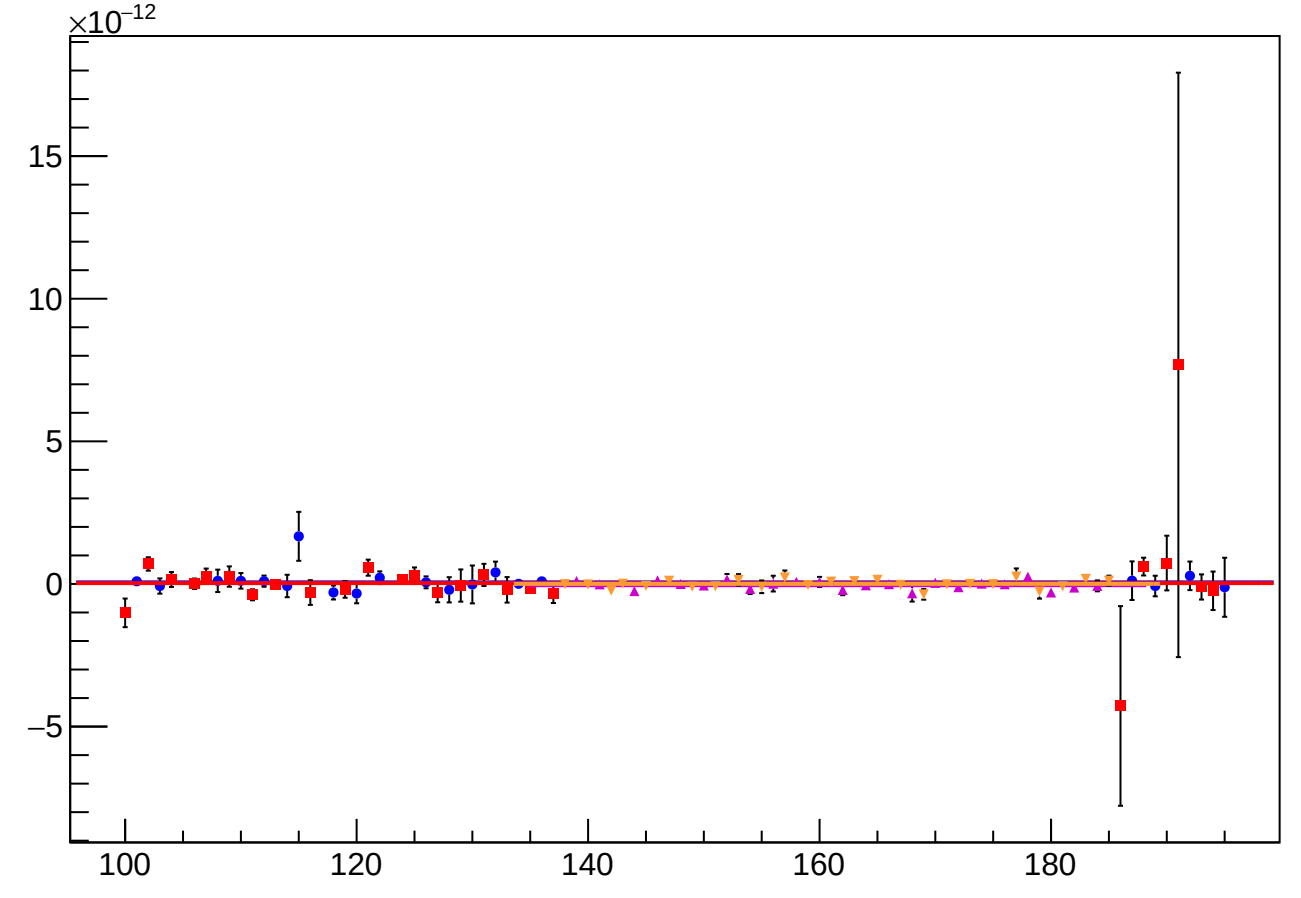
Right Out: 3302.448+/-0.736 χ^2/NDF: 1827447.4/24

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3971.074+/-0.541 χ^2/NDF: 4070178.8/44

All: 3958.248+/-0.381 χ^2/NDF: 8492121.4/92

- sign 3945.644+/-0.537 χ^2/NDF: 4420829.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

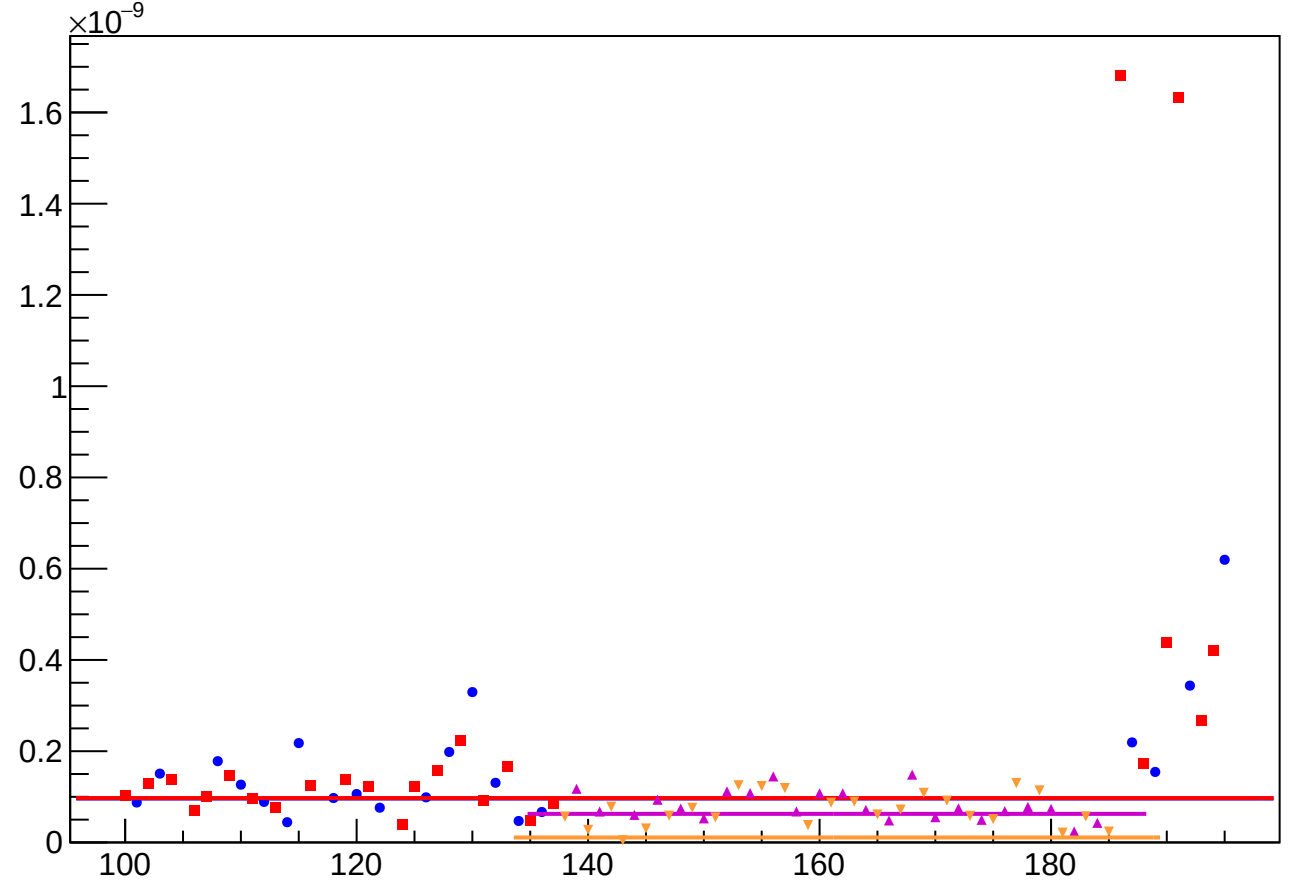
Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/44

All: 0.000+/-0.000 χ^2/NDF: 89.3/92

- sign -0.000+/-0.000 χ^2/NDF: 58.6/47



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: 2644765.5/24

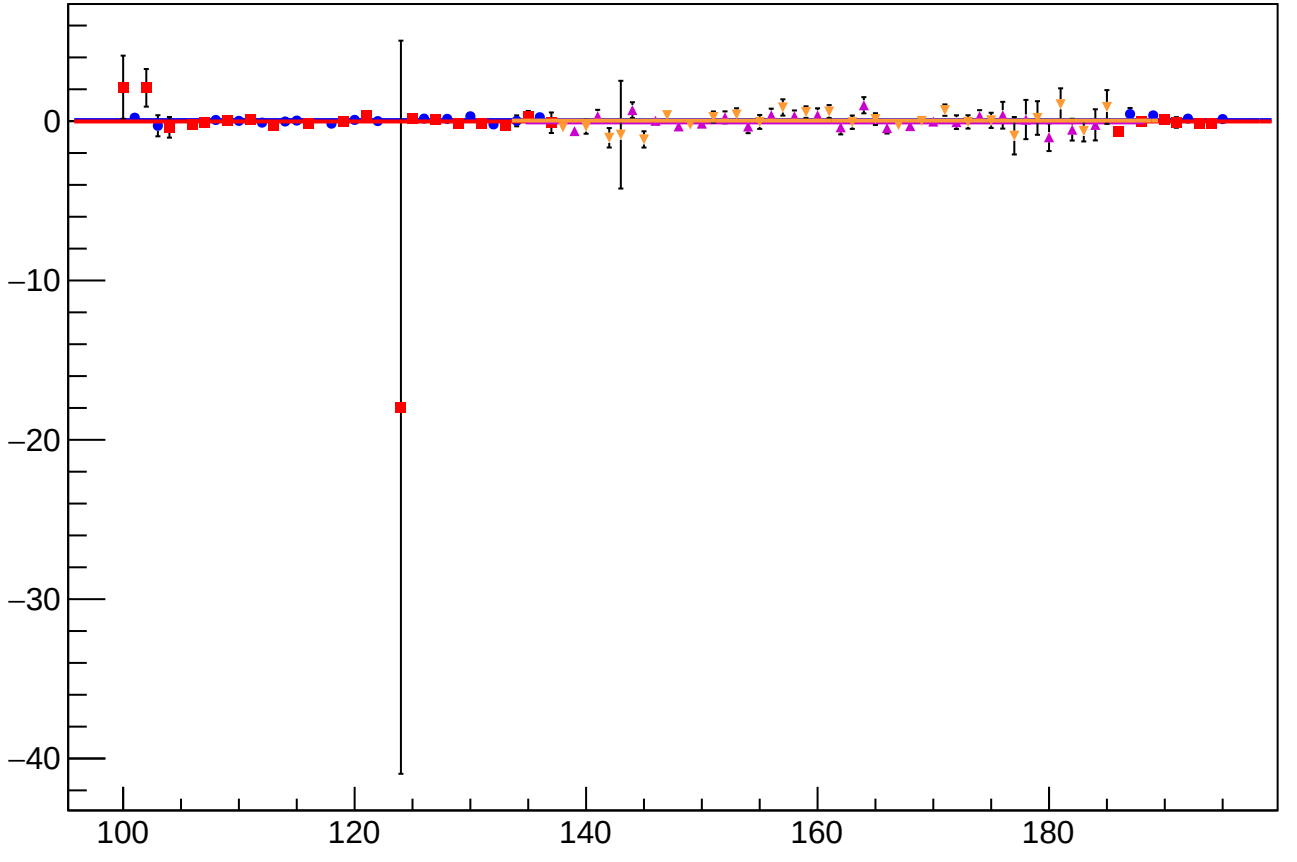
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16481835.1/44

All: 0.000+/-0.000 χ^2/NDF: 32147832.4/92

- sign 0.000+/-0.000 χ^2/NDF: 5400982.1/47

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

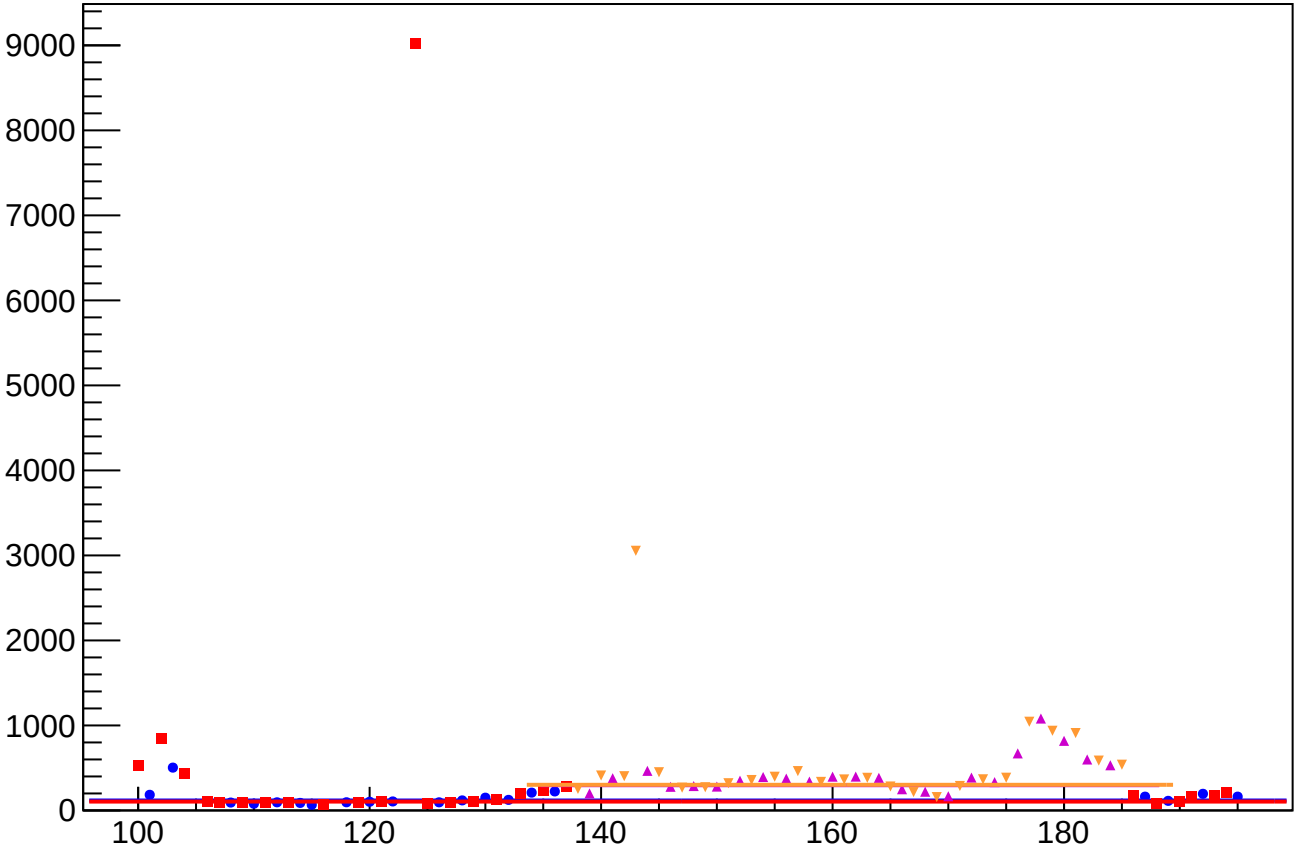
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.009+/-0.024 χ^2/NDF: 101.4/92

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

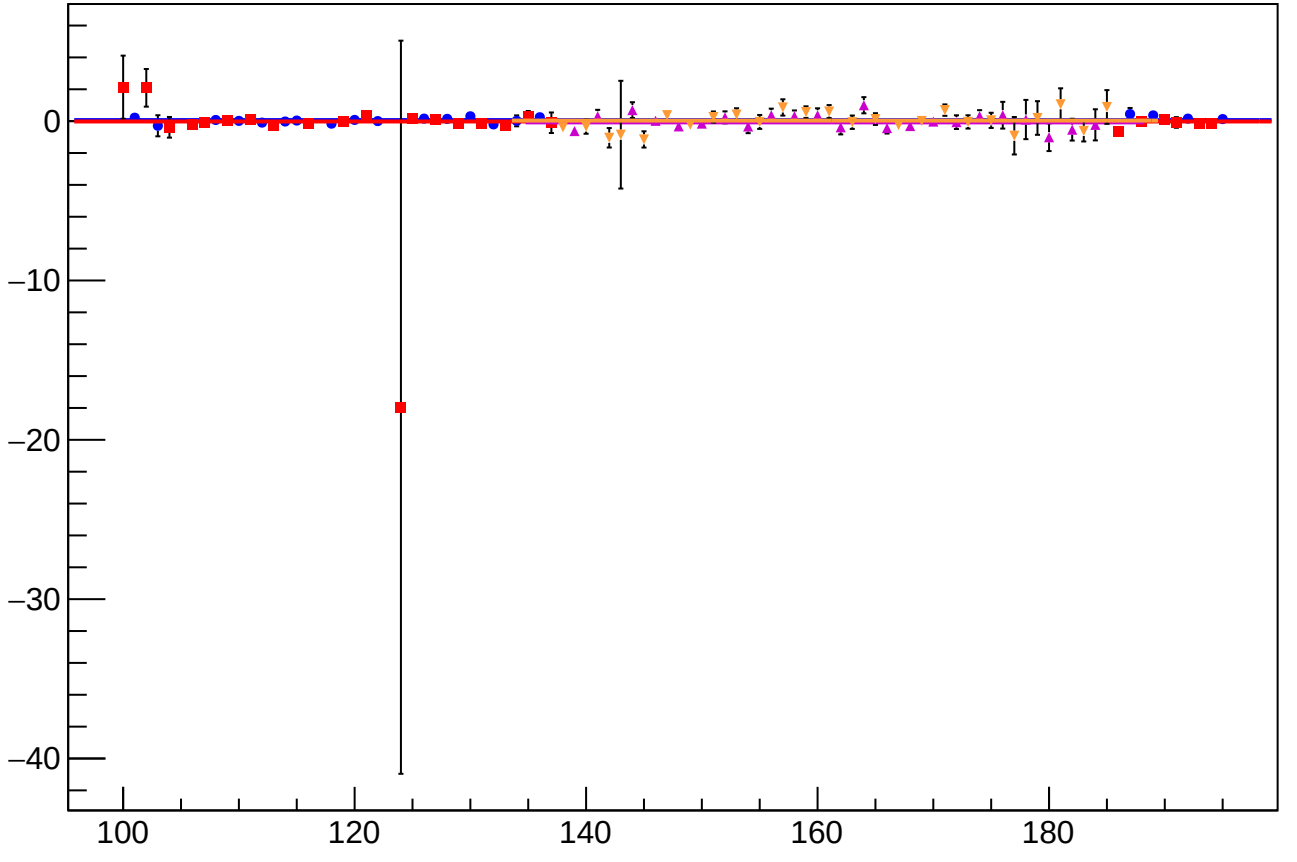
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.258+/-0.026 χ^2/NDF: 18078102.4/44

All: 148.049+/-0.017 χ^2/NDF: 37498348.2/92

- sign 139.895+/-0.023 χ^2/NDF: 19136373.6/47

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

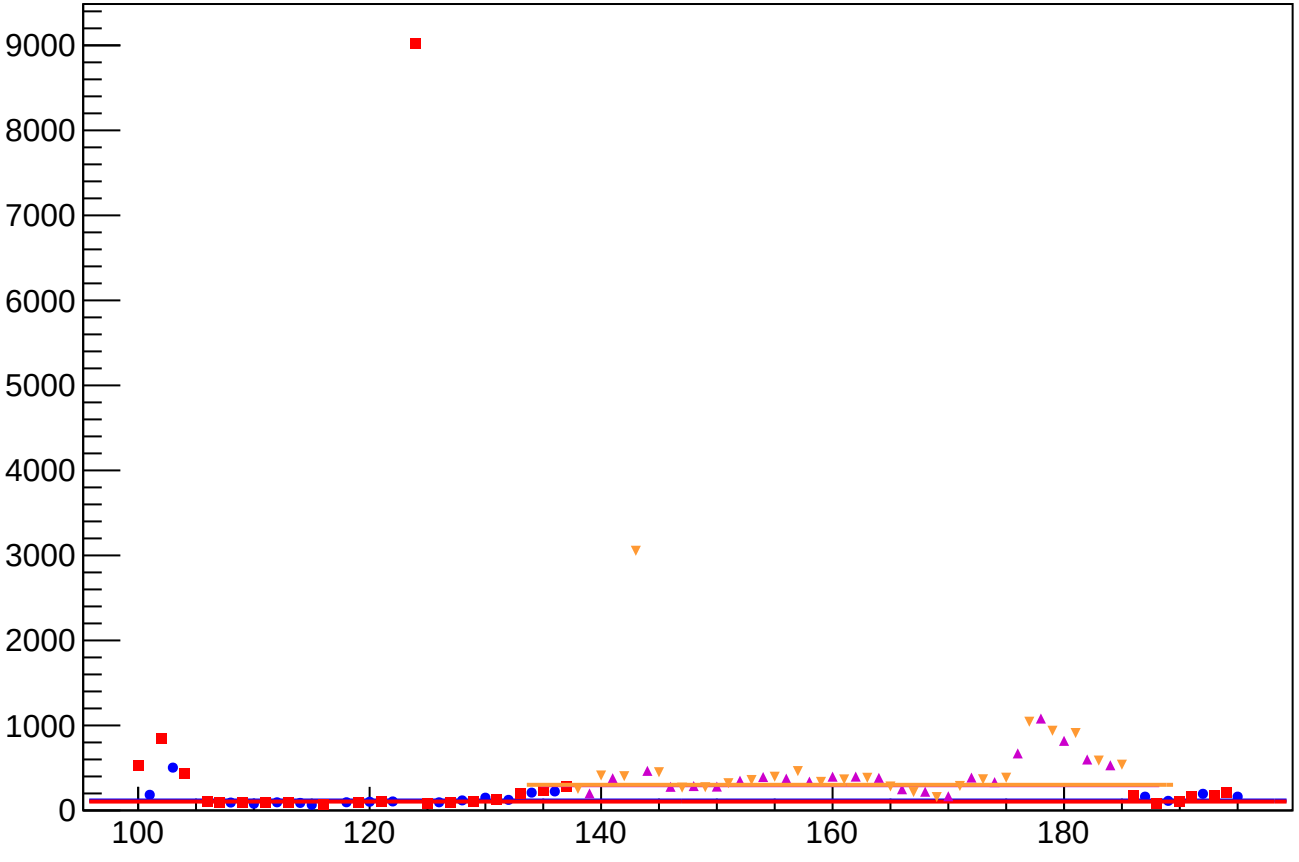
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.009+/-0.024 χ^2/NDF: 101.4/92

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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

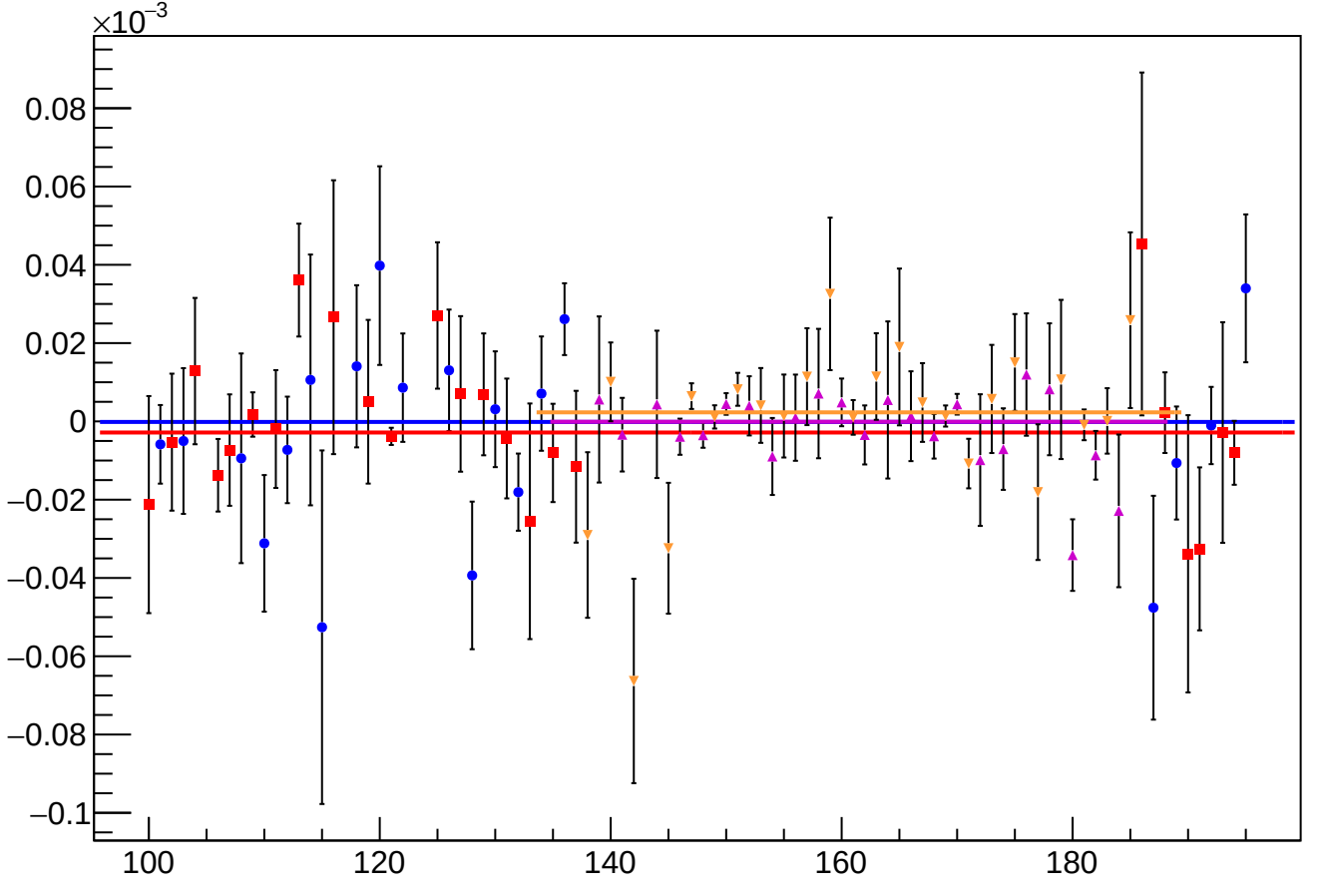
Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.258+/-0.026 χ^2/NDF: 18078102.4/44

All: 148.049+/-0.017 χ^2/NDF: 37498348.2/92

- sign 139.895+/-0.023 χ^2/NDF: 19136373.6/47



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: 20.5/23

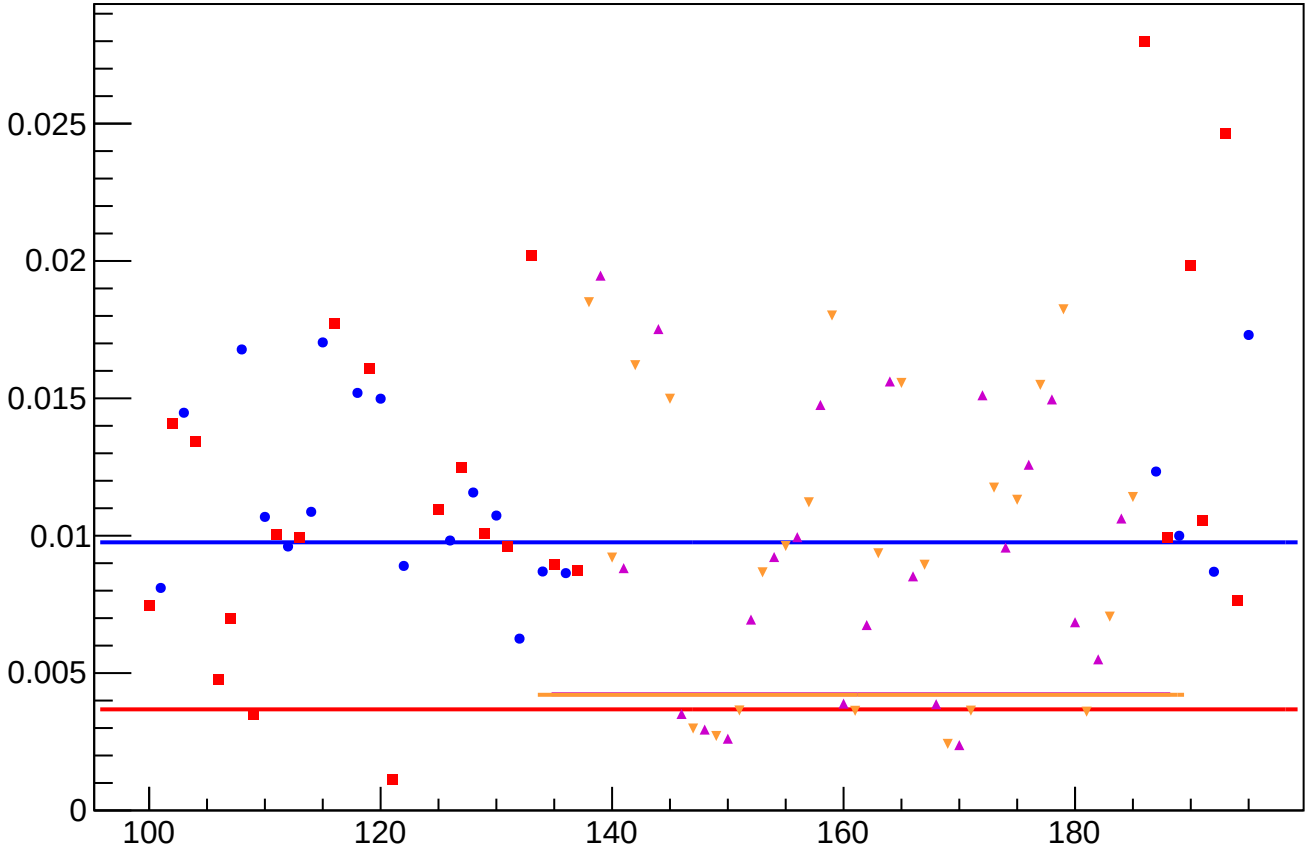
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/43

All: 0.000+/-0.000 χ^2/NDF: 118.8/90

- sign -0.000+/-0.000 χ^2/NDF: 51.2/46

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: 11910811.9/23

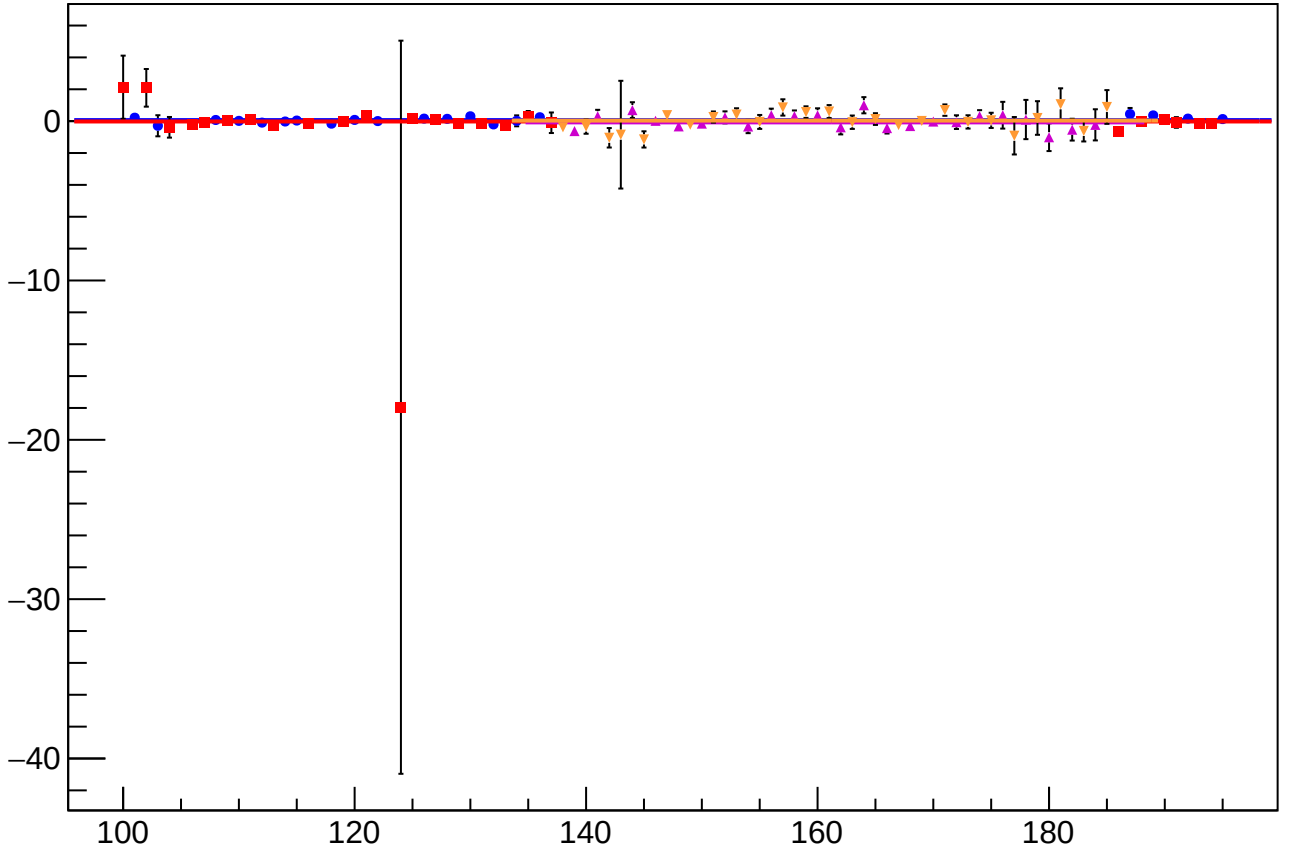
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 18276626.3/43

All: 0.004+/-0.000 χ^2/NDF: 41962673.4/90

- sign 0.004+/-0.000 χ^2/NDF: 23074661.6/46

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

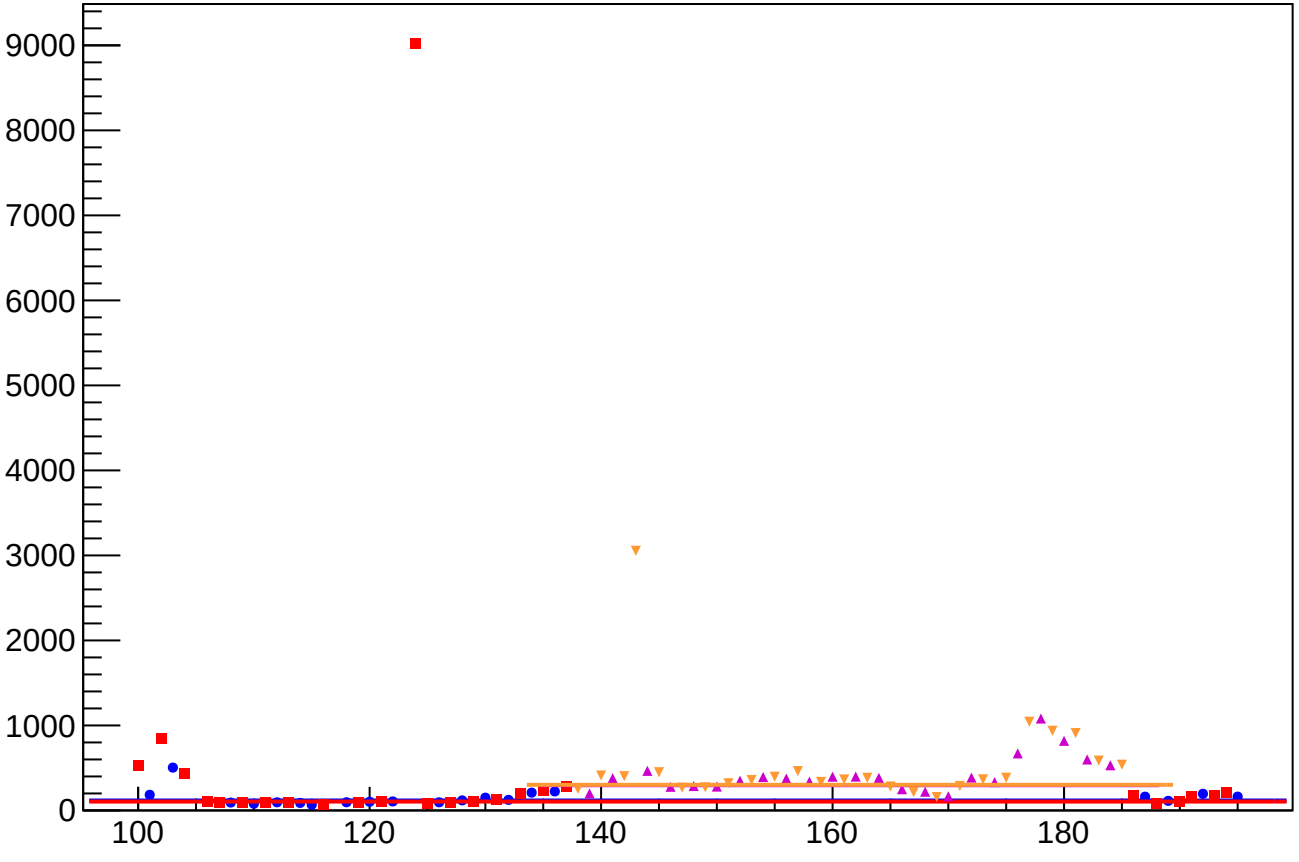
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.009+/-0.024 χ^2/NDF: 101.4/92

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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

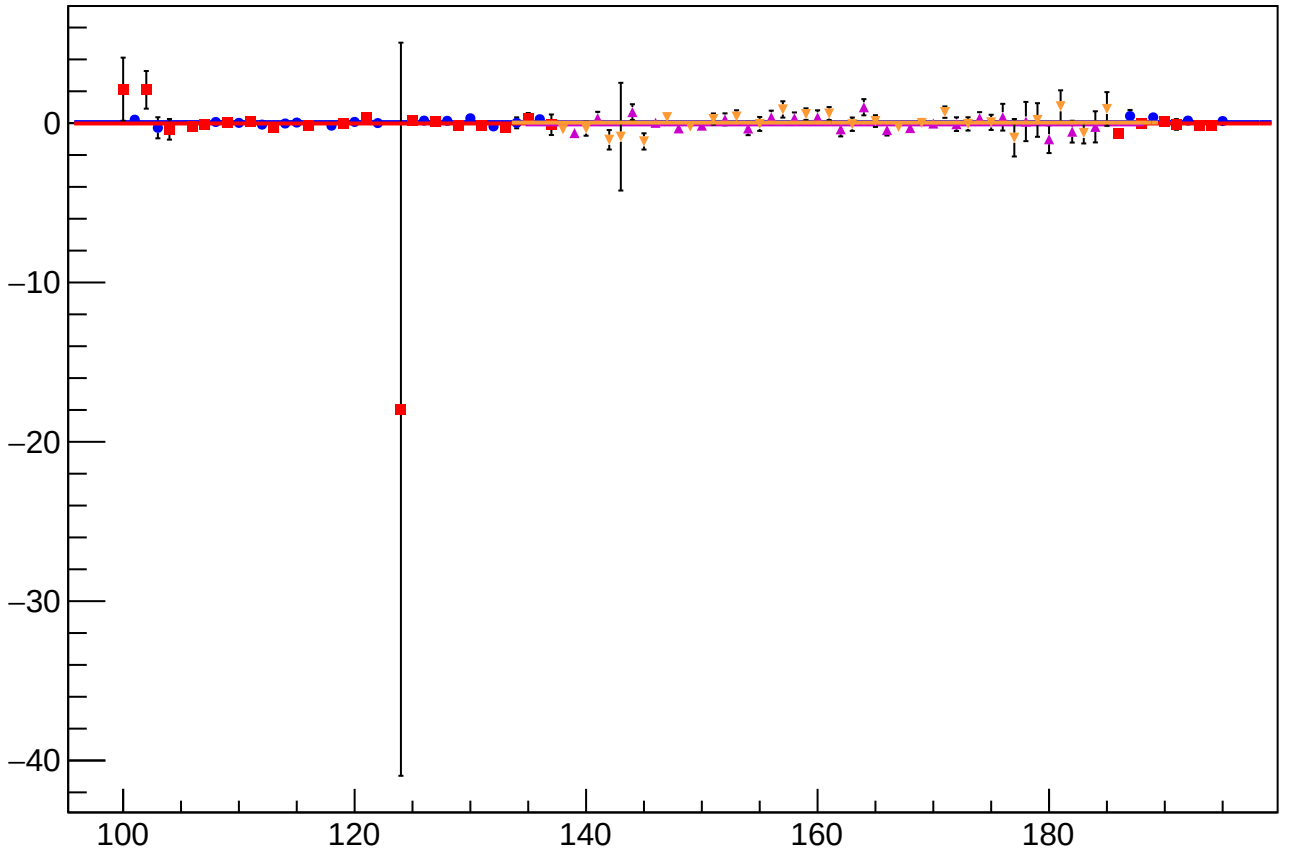
Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.259+/-0.026 χ^2/NDF: 18078142.6/44

All: 148.050+/-0.017 χ^2/NDF: 37498299.8/92

- sign 139.895+/-0.023 χ^2/NDF: 19136300.2/47



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: -0.021+/-0.036 χ^2/NDF: 29.3/24

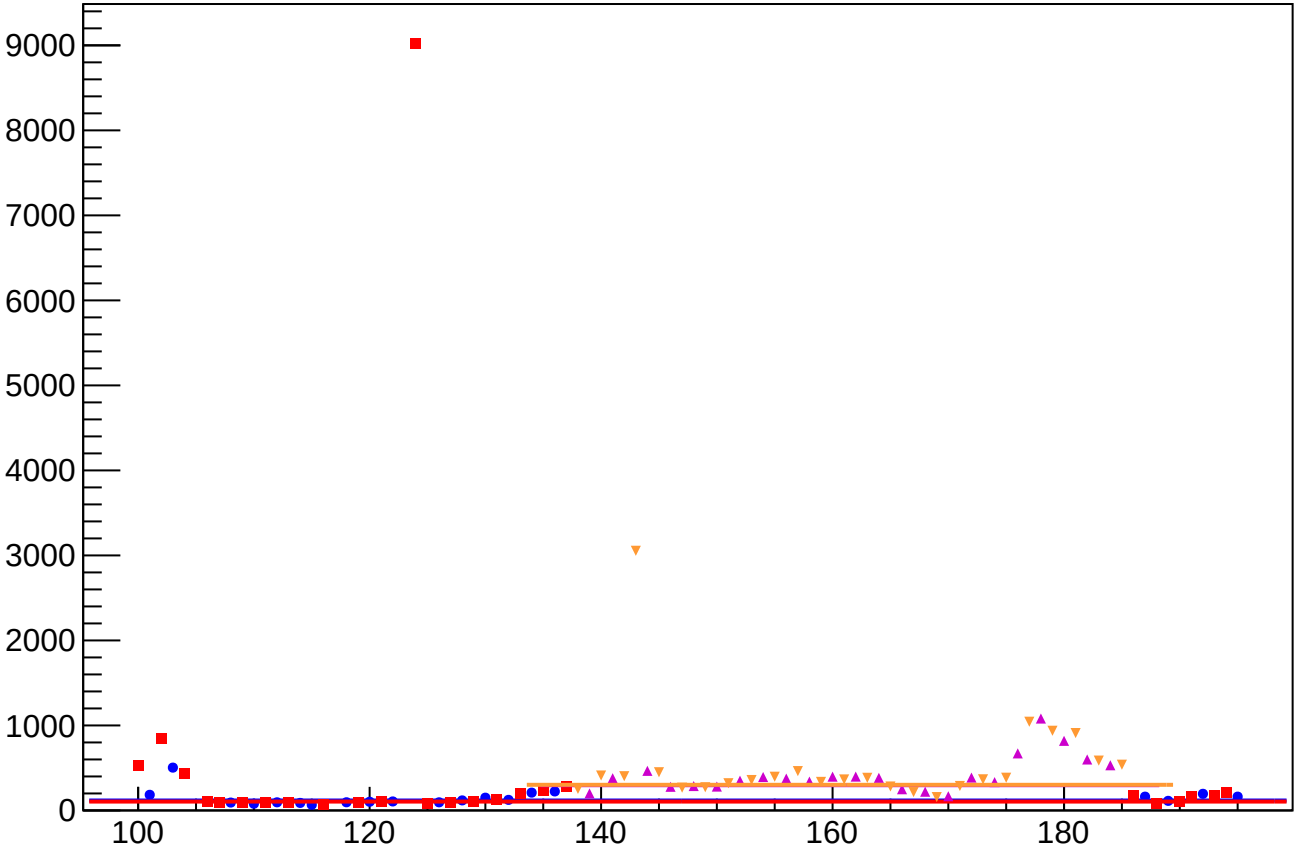
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.059+/-0.036 χ^2/NDF: 44.1/44

All: 0.009+/-0.024 χ^2/NDF: 101.4/92

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

asym_atl_dd_eigen_dit_vs_eigen_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

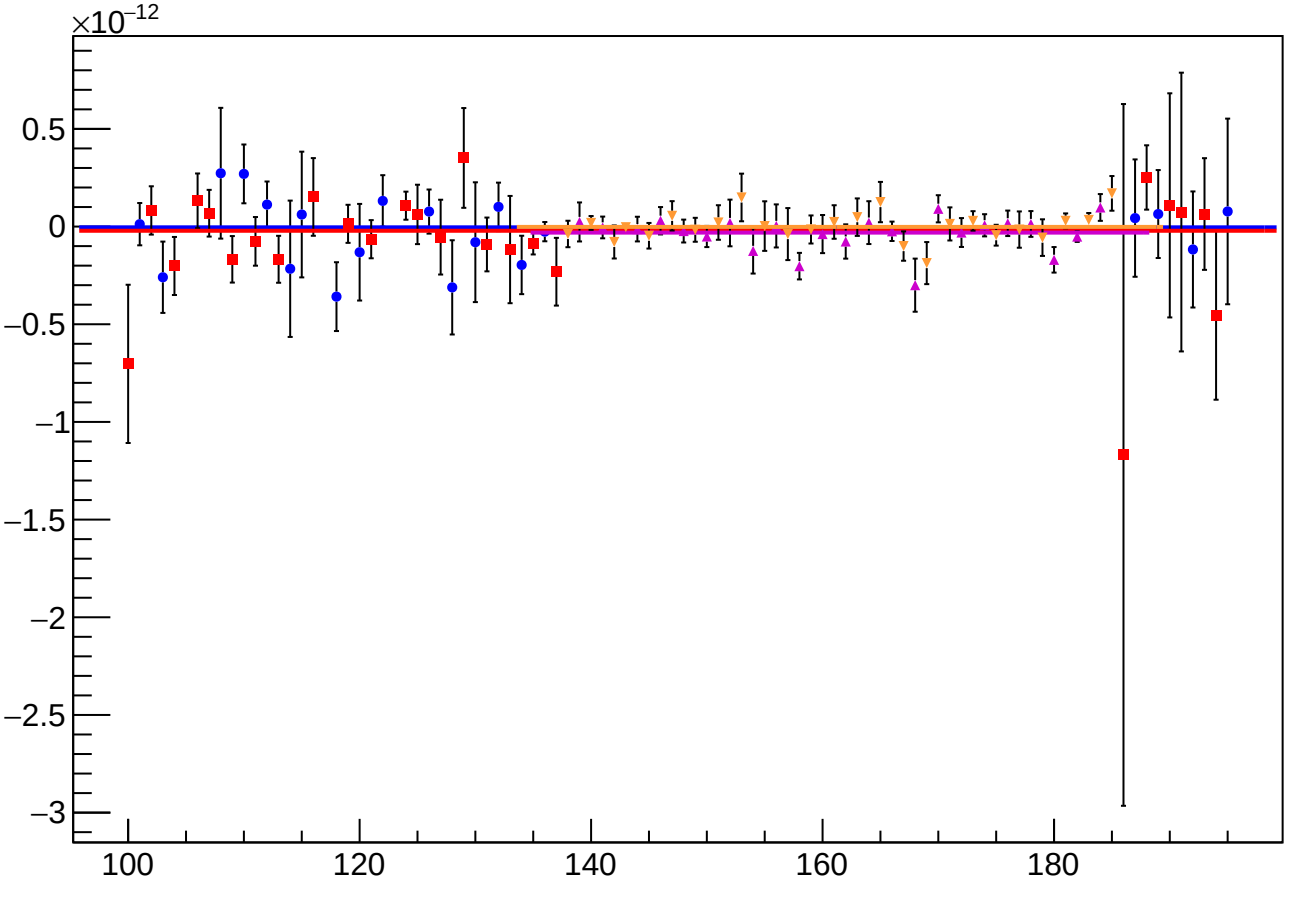
Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.259+/-0.026 χ^2/NDF: 18078142.6/44

All: 148.050+/-0.017 χ^2/NDF: 37498299.8/92

- sign 139.895+/-0.023 χ^2/NDF: 19136300.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

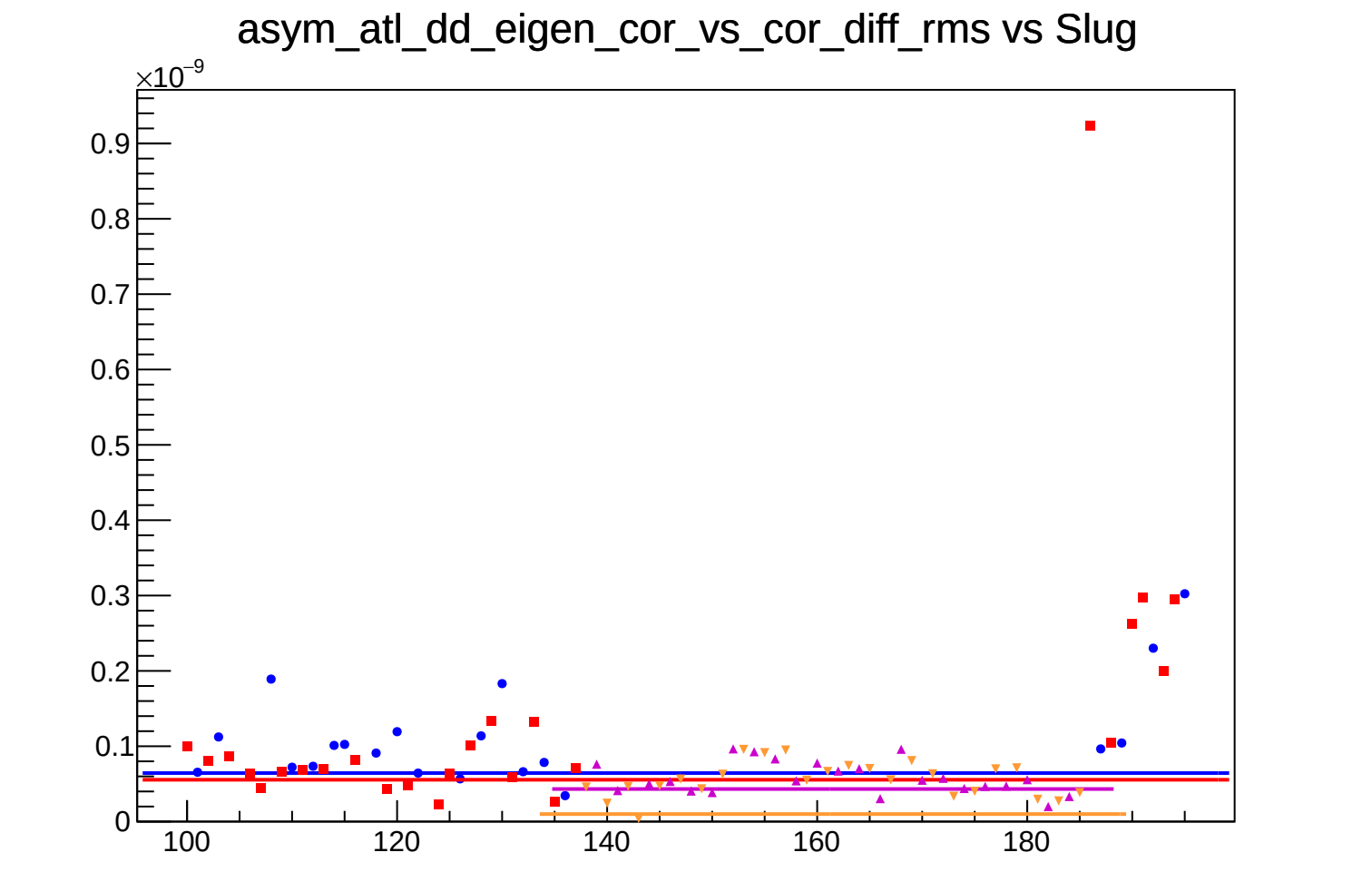
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/24

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: 90.5/92

- sign -0.000+/-0.000 χ^2/NDF: 50.5/47



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: 3975903.6/24

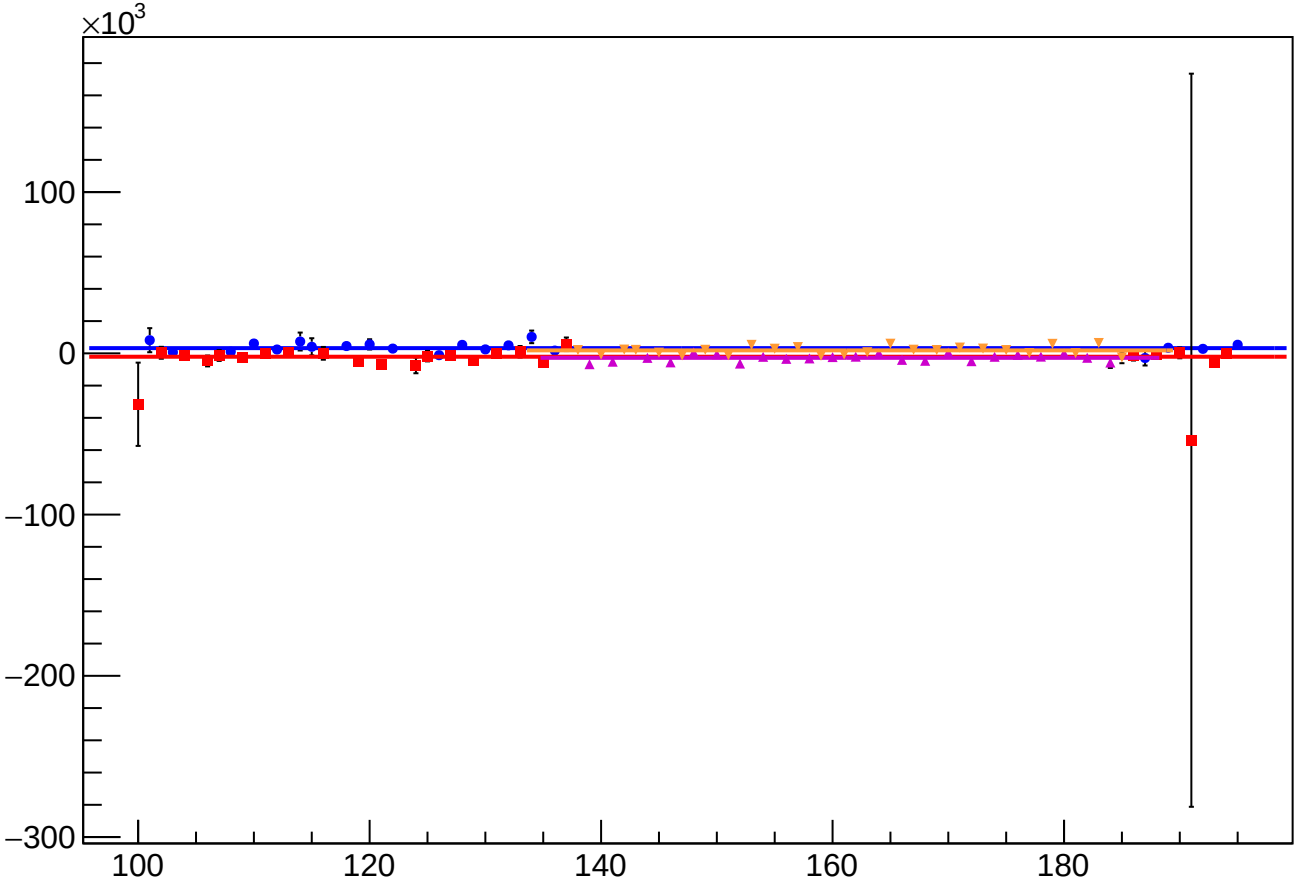
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 27503110.1/44

All: 0.000+/-0.000 χ^2/NDF: 49921887.7/92

- sign 0.000+/-0.000 χ^2/NDF: 8366060.4/47

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: -2098.092+/-595.829 χ^2/NDF: 20.8/24

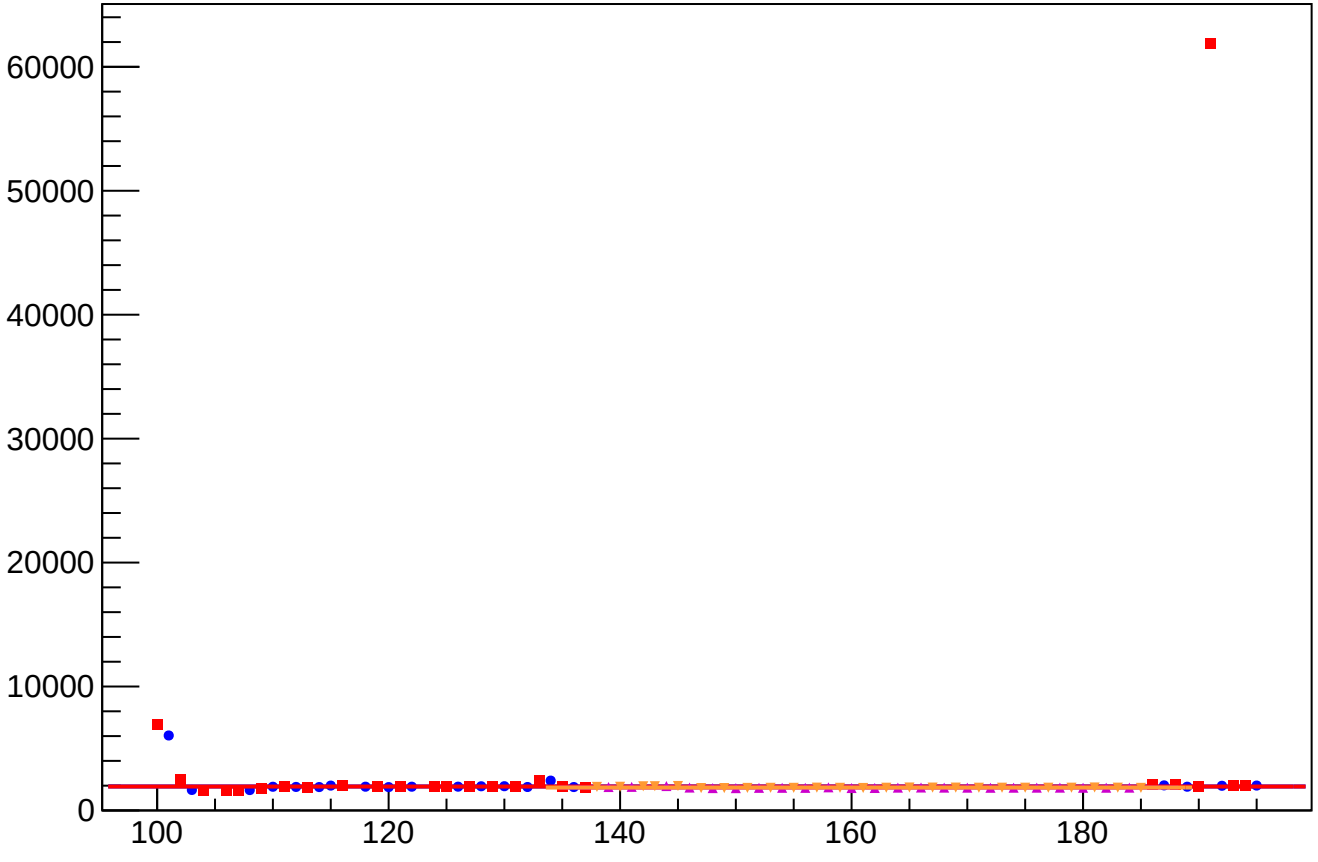
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2278.138+/-349.374 χ^2/NDF: 49.3/44

All: -134.053+/-246.964 χ^2/NDF: 191.6/92

- sign -2543.072+/-349.144 χ^2/NDF: 47.1/47

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: 1930.271+/-0.420 χ^2/NDF: 399054.4/24

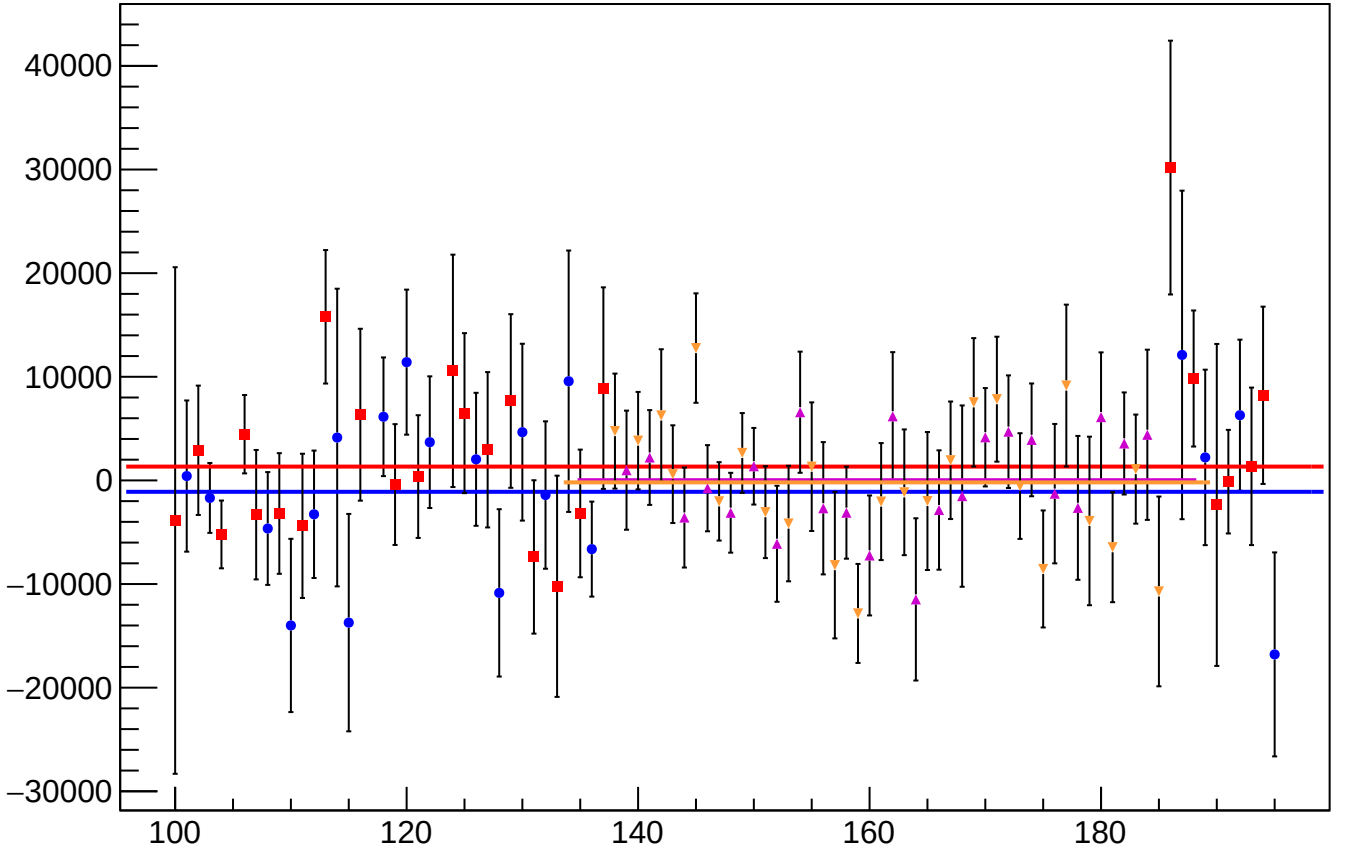
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750552.6/44

All: 1874.951+/-0.175 χ^2/NDF: 1190587.8/92

- sign 1874.414+/-0.247 χ^2/NDF: 440025.7/47

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: 1333.560+/-1302.986 χ^2/NDF: 25.6/24

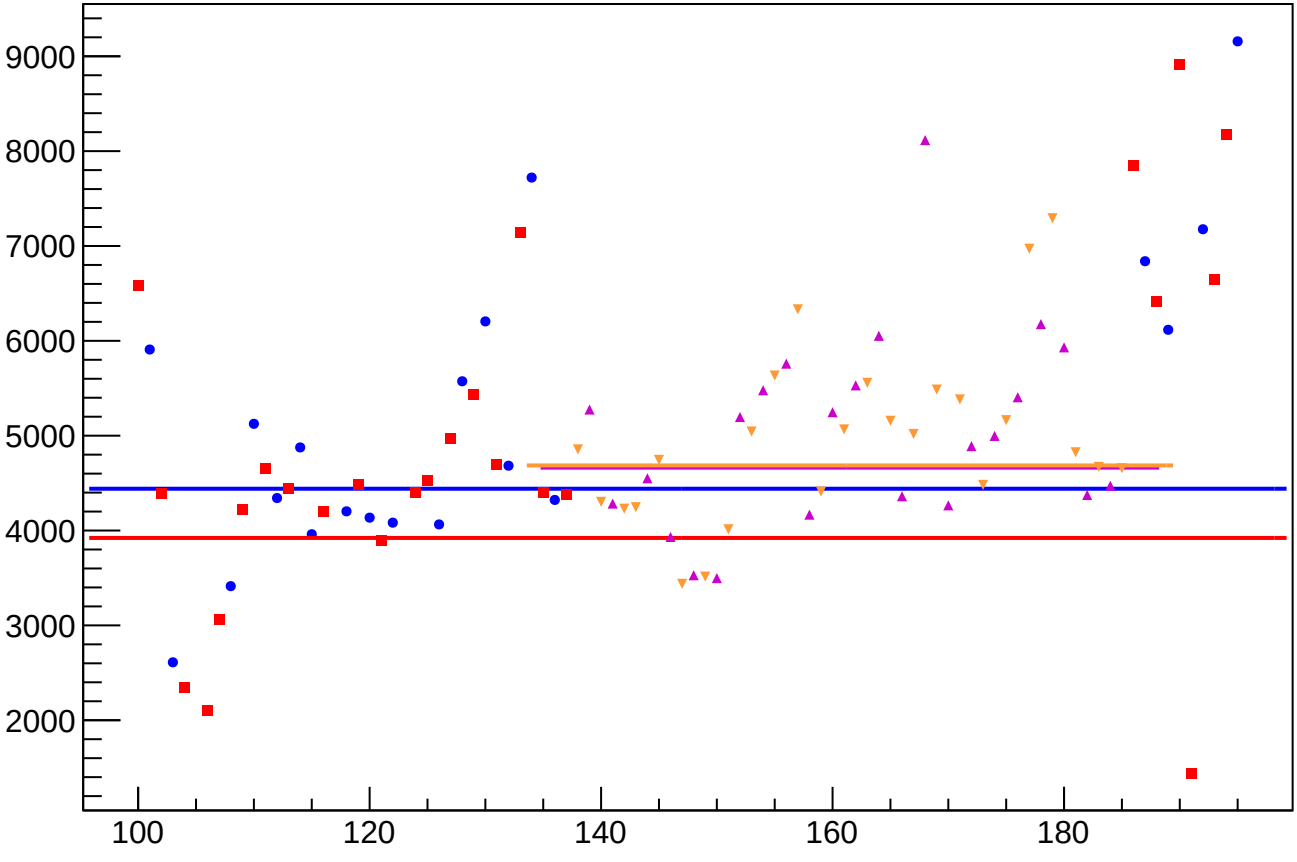
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.608+/-880.886 χ^2/NDF: 47.9/44

All: 56.646+/-610.209 χ^2/NDF: 88.6/92

- sign 573.523+/-846.098 χ^2/NDF: 39.9/47

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: 3922.002+/-0.921 χ^2/NDF: 3354845.7/24

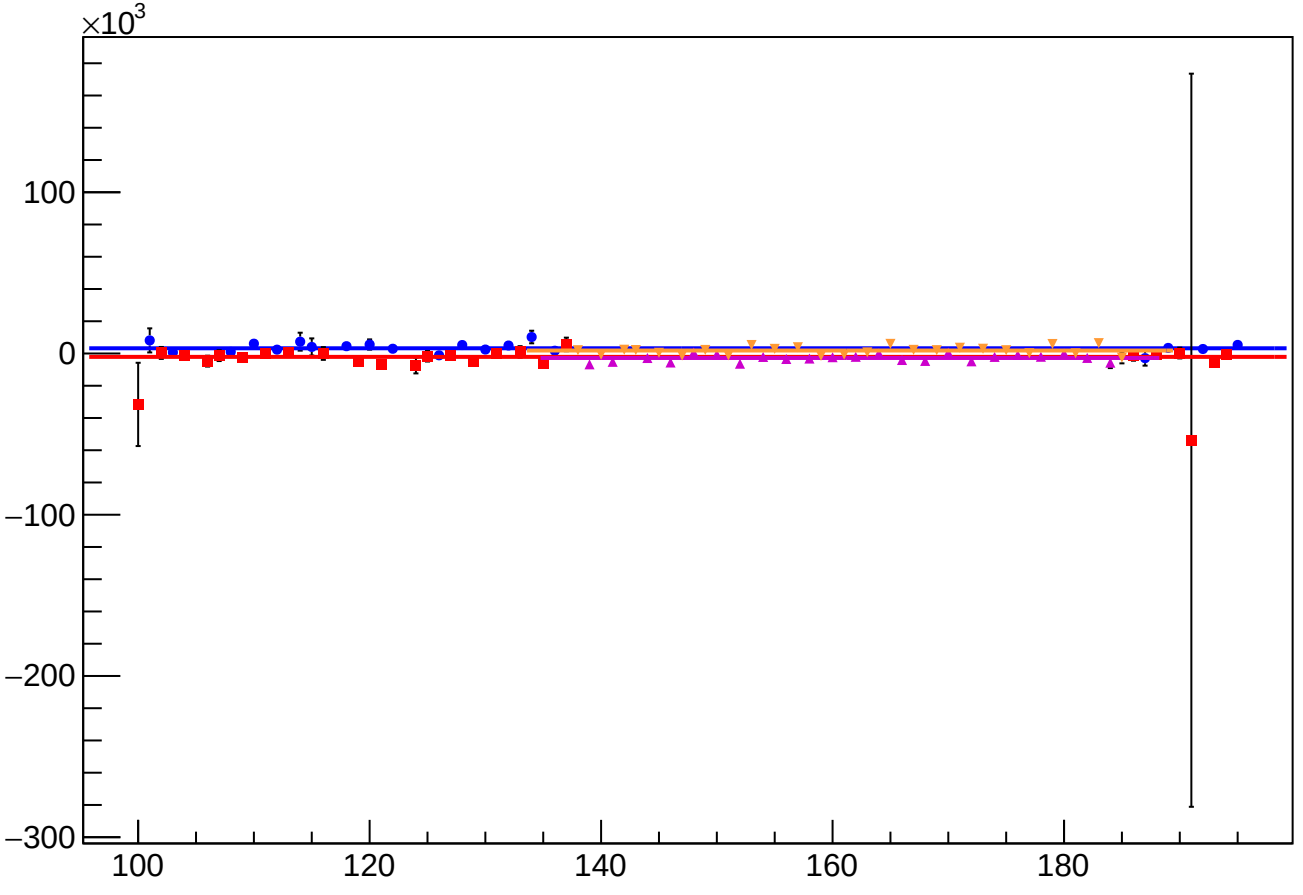
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4601.547+/-0.623 χ^2/NDF: 3130610.3/44

All: 4471.076+/-0.431 χ^2/NDF: 8230895.4/92

- sign 4350.707+/-0.598 χ^2/NDF: 5015931.8/47

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: -2098.869+/-595.831 χ^2/NDF: 20.8/24

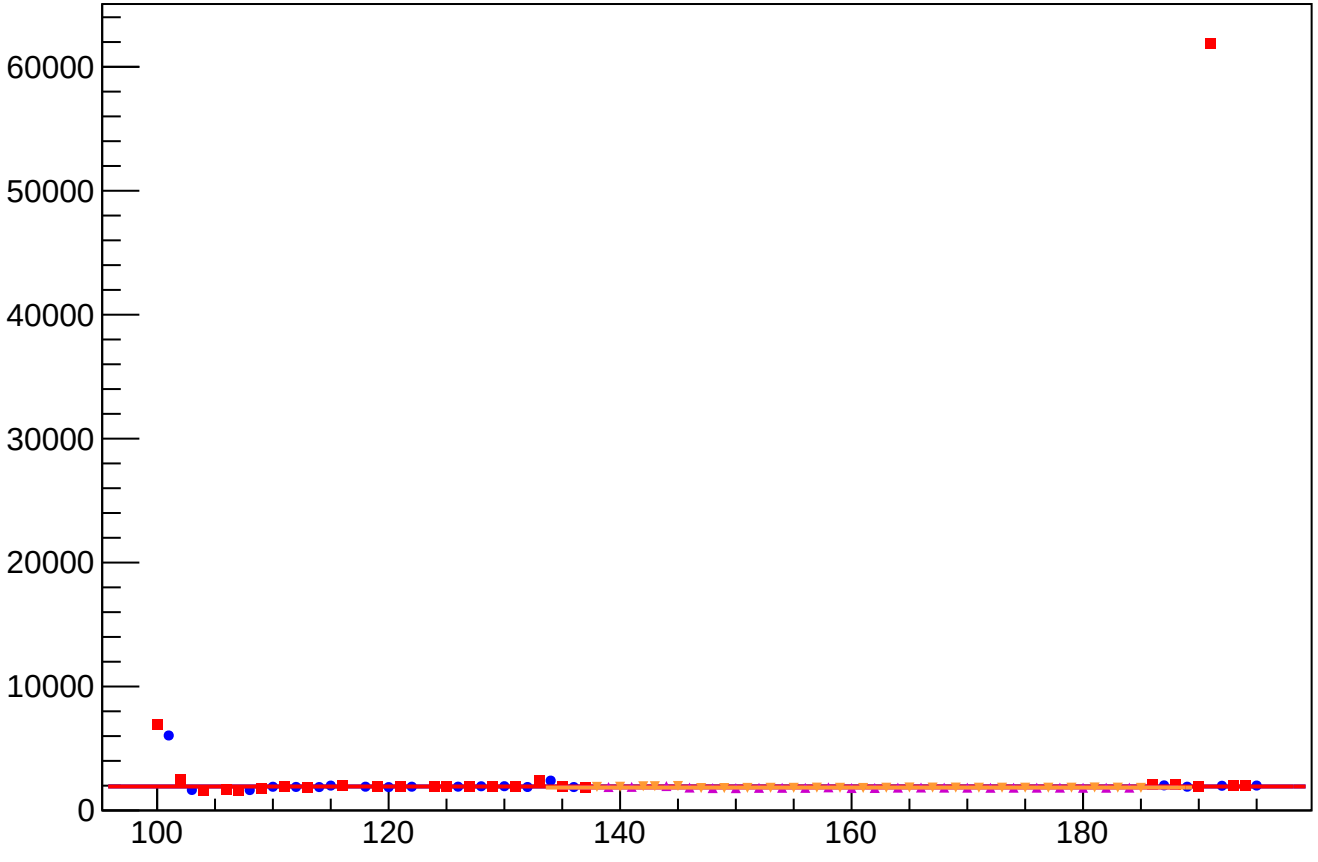
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2277.916+/-349.374 χ^2/NDF: 49.3/44

All: -134.286+/-246.964 χ^2/NDF: 191.6/92

- sign -2543.325+/-349.145 χ^2/NDF: 47.1/47

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: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

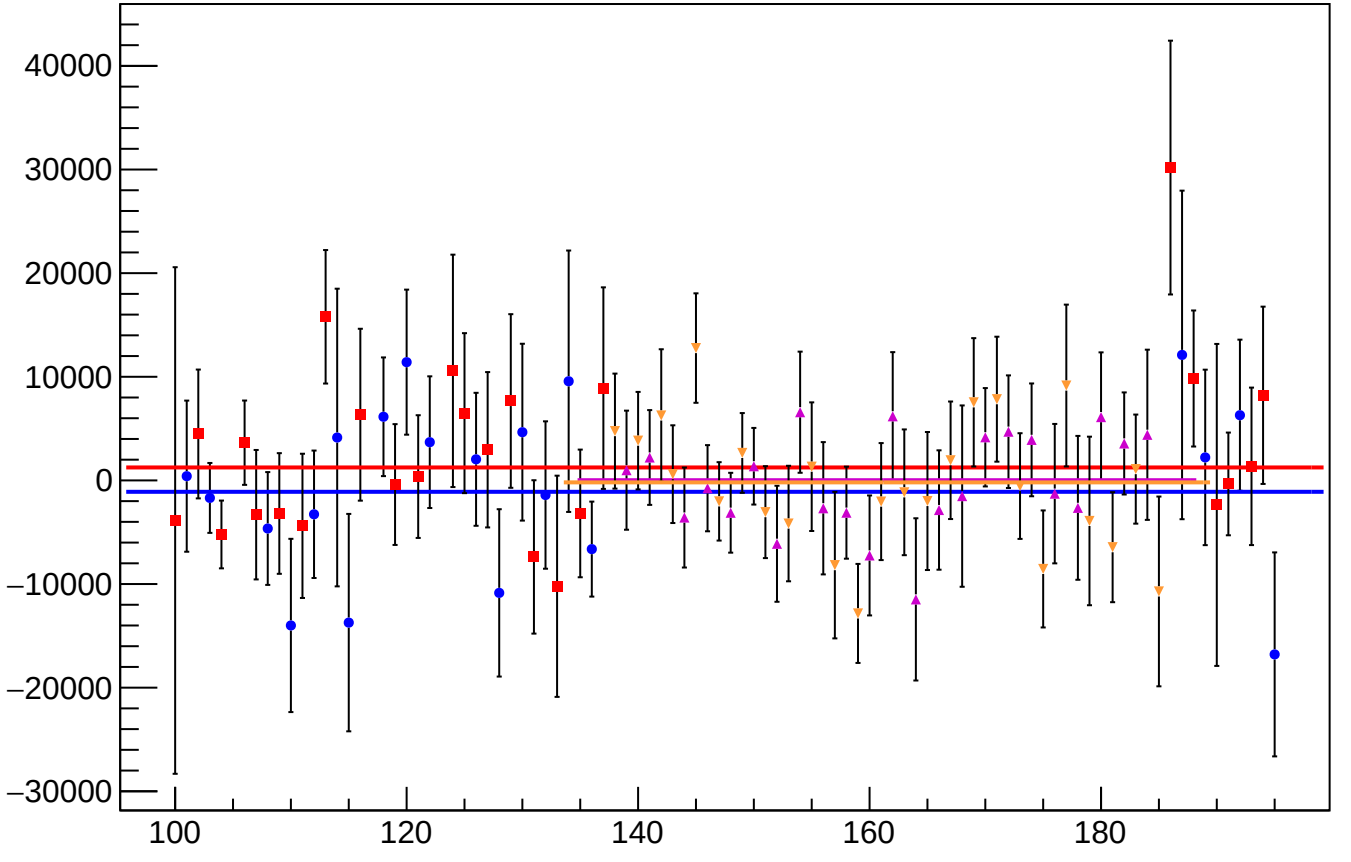
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750551.9/44

All: 1875.426+/-0.175 χ^2/NDF: 1184665.8/92

- sign 1875.362+/-0.247 χ^2/NDF: 434113.8/47

asym_atr_avg_cor_correction_mean vs Slug



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: 1250.439+/-1312.680 χ^2/NDF: 25.5/24

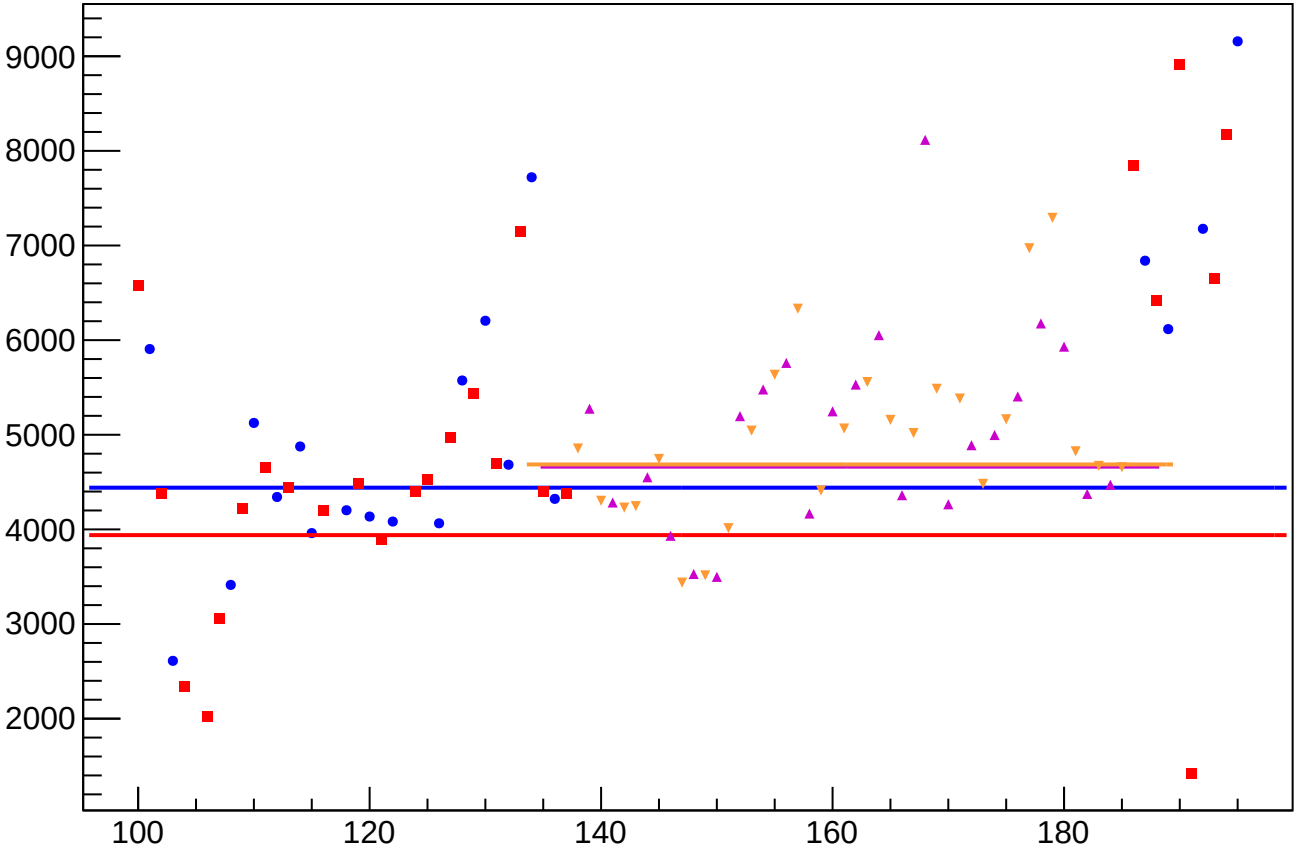
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.730+/-880.886 χ^2/NDF: 47.9/44

All: 34.445+/-611.197 χ^2/NDF: 88.3/92

- sign 534.052+/-848.735 χ^2/NDF: 39.7/47

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: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

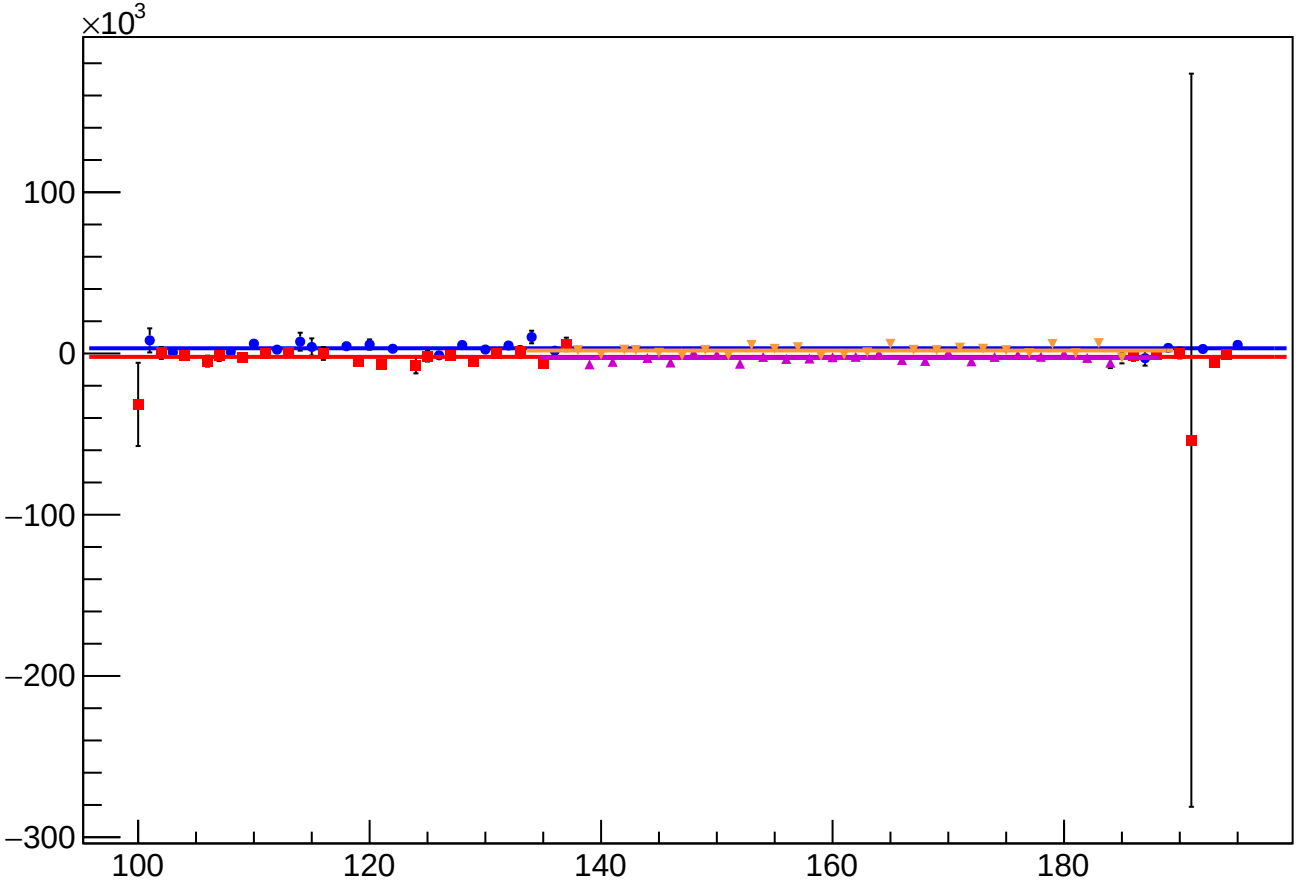
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4601.572+/-0.623 χ^2/NDF: 3130062.9/44

All: 4476.663+/-0.432 χ^2/NDF: 8186552.3/92

- sign 4360.705+/-0.600 χ^2/NDF: 4978943.2/47

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: -2098.869+/-595.831 χ^2/NDF: 20.8/24

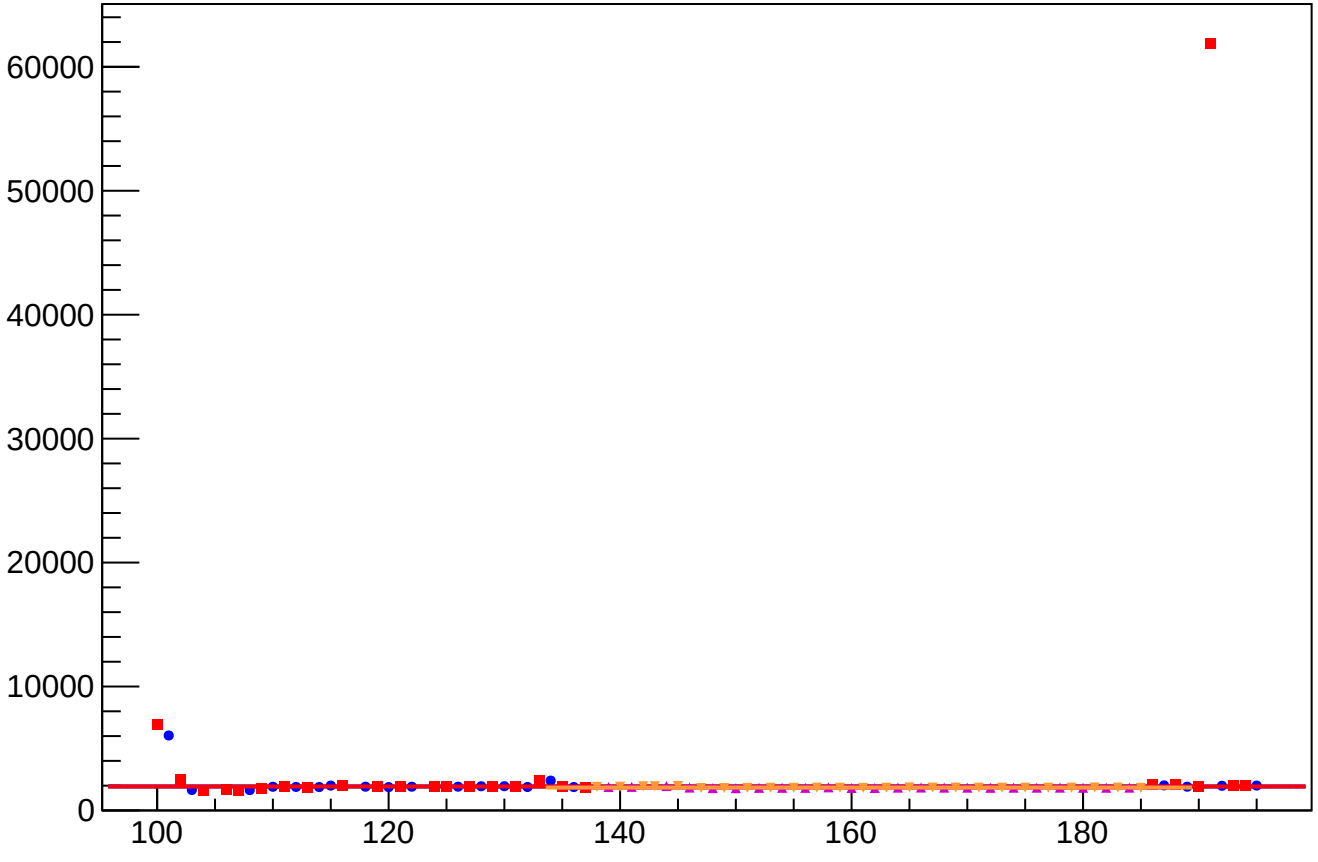
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2277.916+/-349.374 χ^2/NDF: 49.3/44

All: -134.286+/-246.964 χ^2/NDF: 191.6/92

- sign -2543.325+/-349.145 χ^2/NDF: 47.1/47

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: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

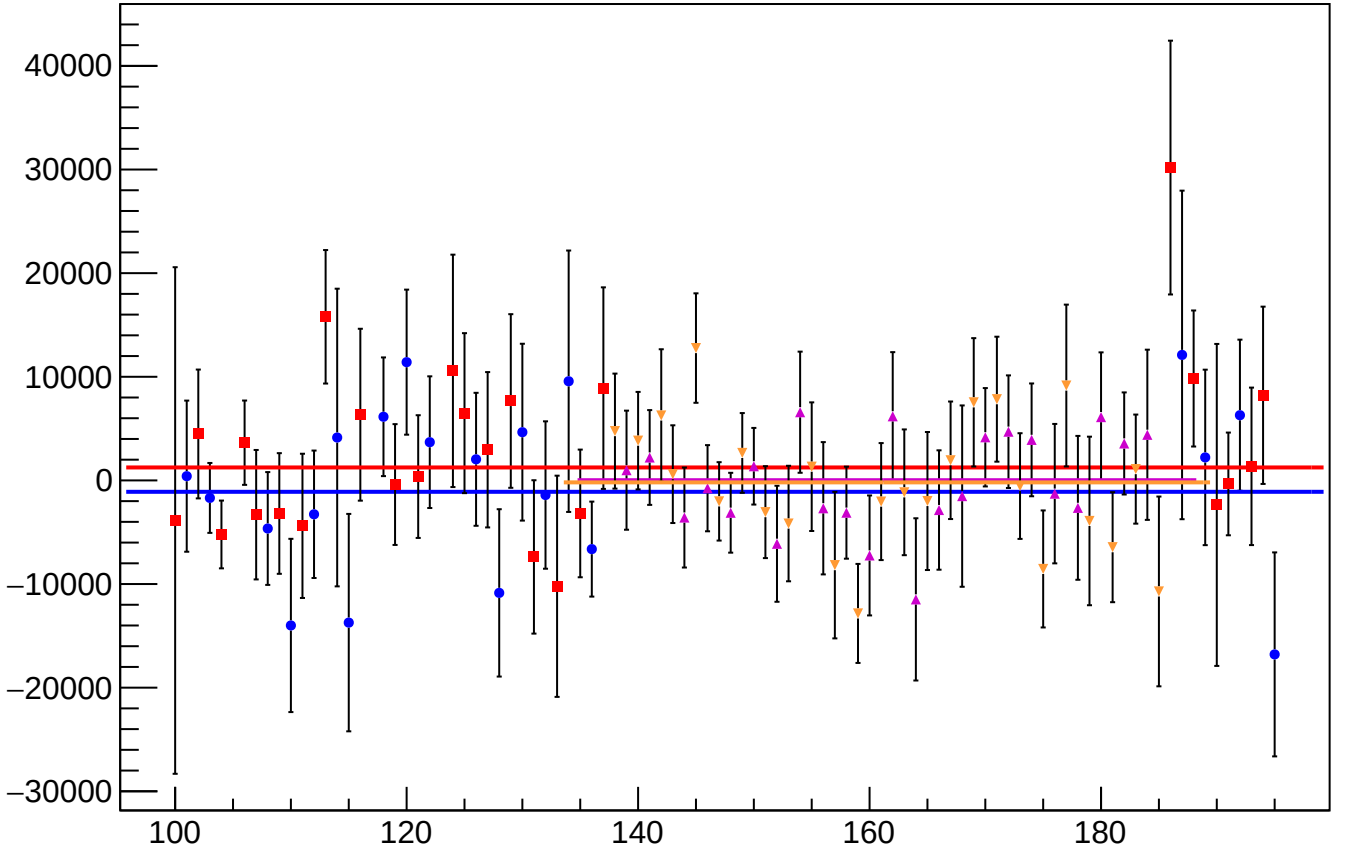
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1875.491+/-0.247 χ^2/NDF: 750551.9/44

All: 1875.426+/-0.175 χ^2/NDF: 1184665.8/92

- sign 1875.362+/-0.247 χ^2/NDF: 434113.8/47

asym_atr_avg_eigen_cor_correction_mean vs Slug



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: 1250.439+/-1312.680 χ^2/NDF: 25.5/24

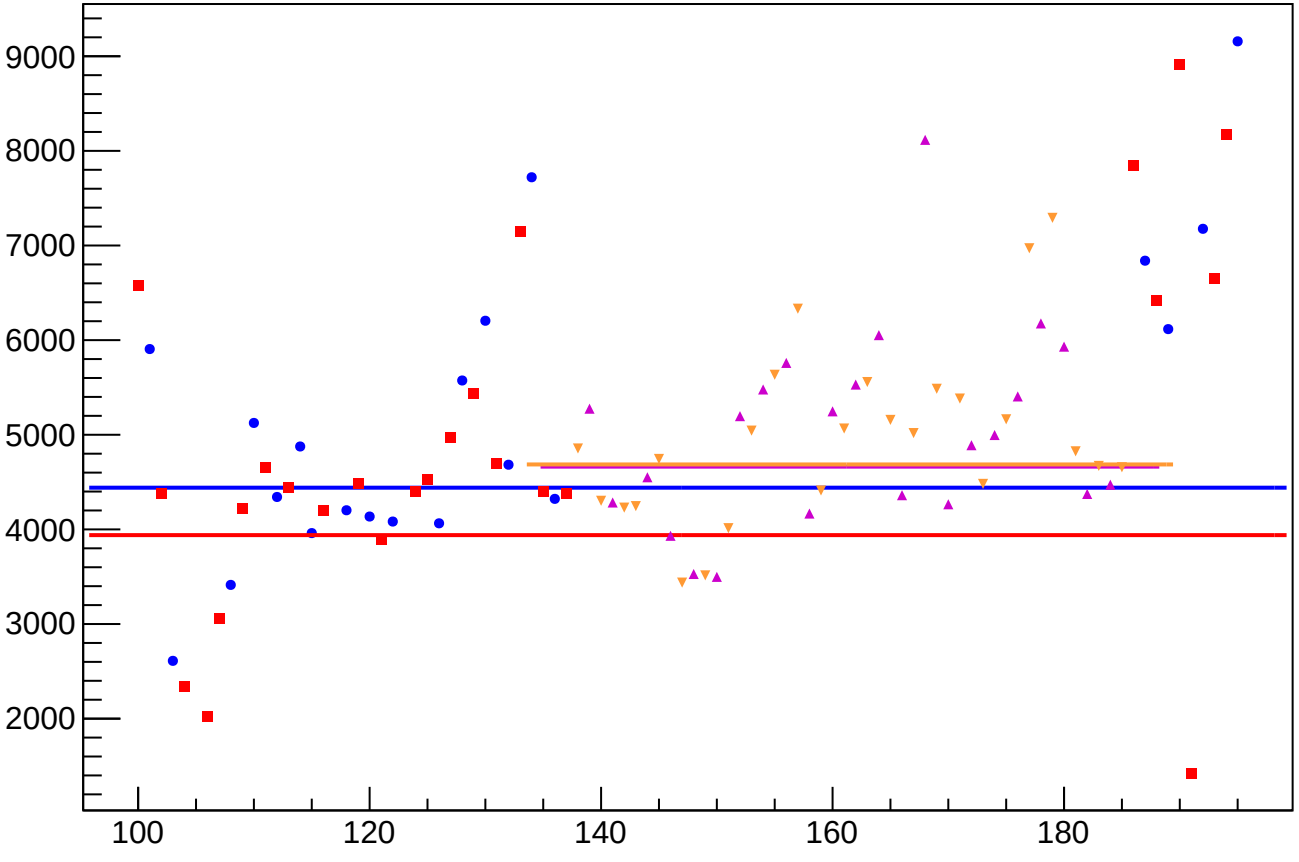
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -503.730+/-880.886 χ^2/NDF: 47.9/44

All: 34.445+/-611.197 χ^2/NDF: 88.3/92

- sign 534.052+/-848.735 χ^2/NDF: 39.7/47

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: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

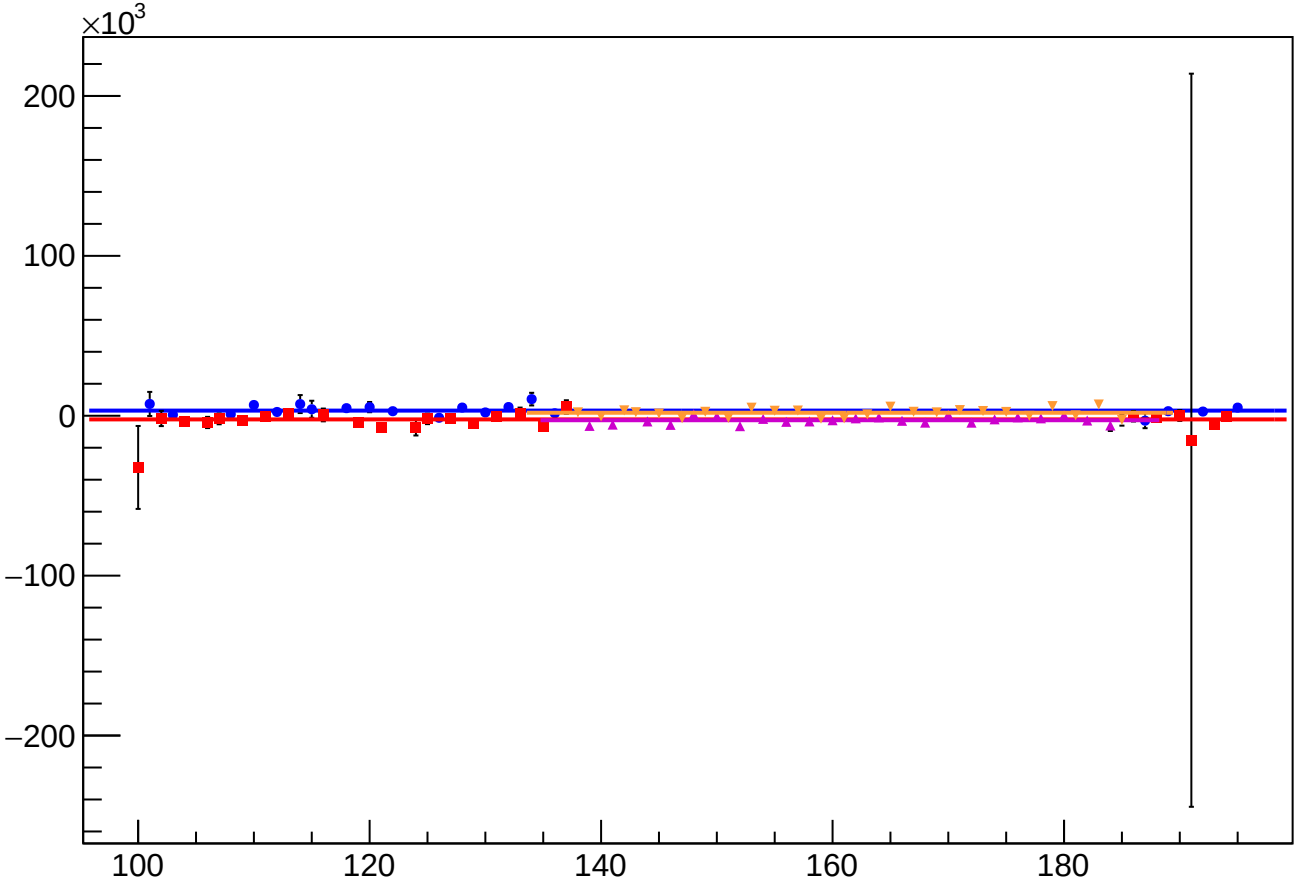
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4601.572+/-0.623 χ^2/NDF: 3130062.9/44

All: 4476.663+/-0.432 χ^2/NDF: 8186552.3/92

- sign 4360.705+/-0.600 χ^2/NDF: 4978943.2/47

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: -2283.651+/-611.340 χ^2/NDF: 21.1/24

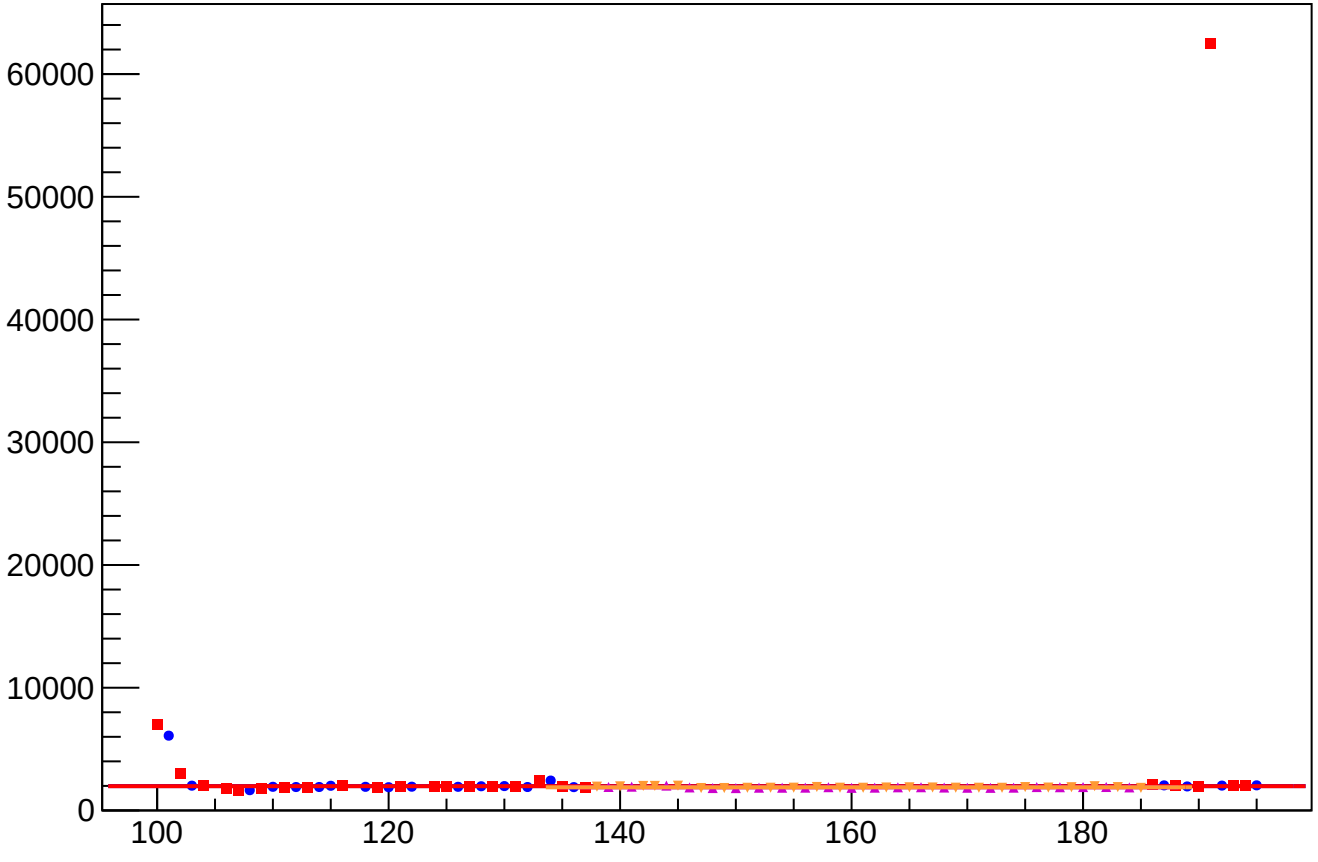
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2290.971+/-357.201 χ^2/NDF: 50.7/44

All: -169.470+/-252.406 χ^2/NDF: 192.5/92

- sign -2623.171+/-356.711 χ^2/NDF: 47.0/47

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: 1977.802+/-0.432 χ^2/NDF: 413269.7/24

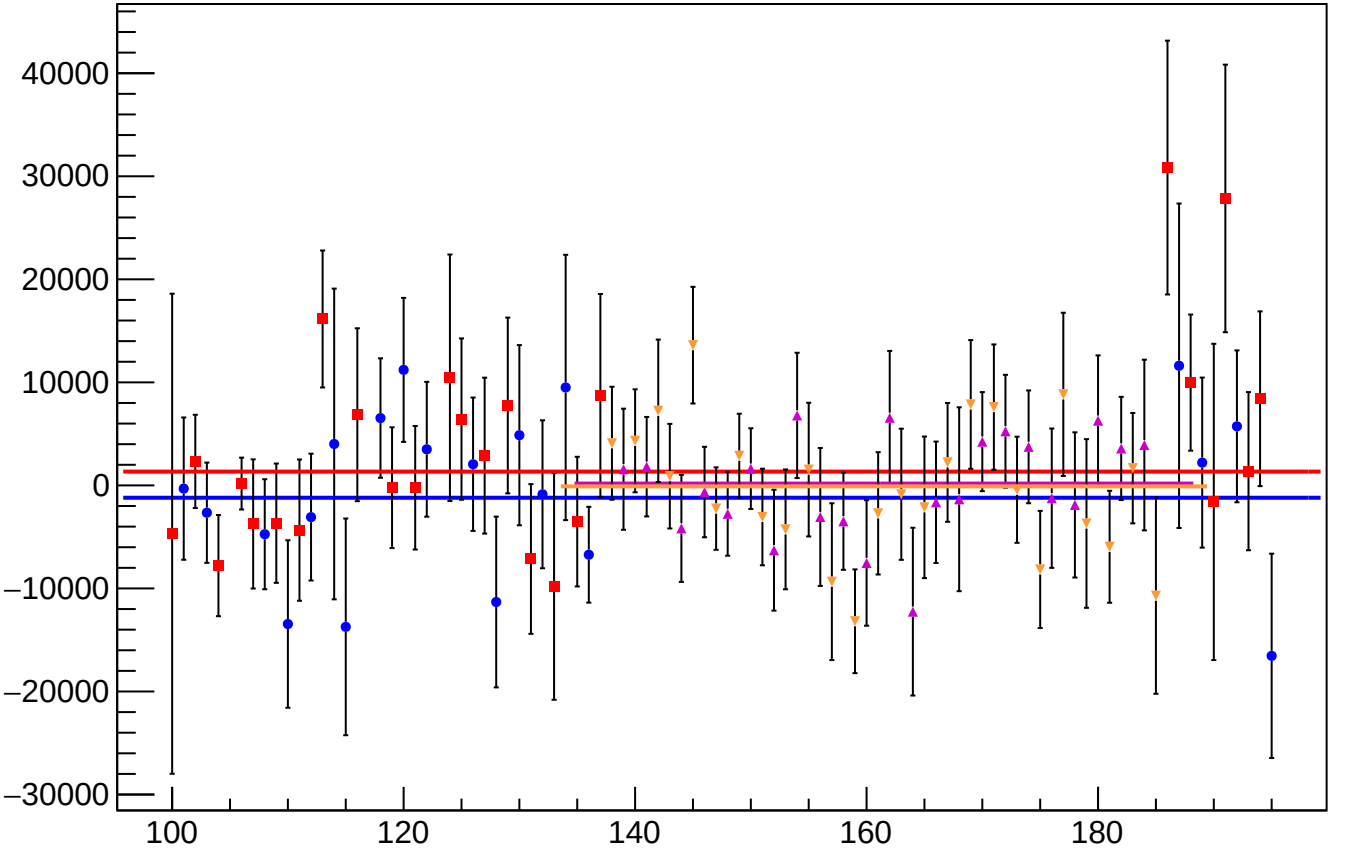
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1917.591+/-0.253 χ^2/NDF: 732400.8/44

All: 1915.644+/-0.178 χ^2/NDF: 1198217.4/92

- sign 1913.704+/-0.252 χ^2/NDF: 465698.0/47

asym_atr_avg_dit_correction_mean vs Slug



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: 1338.418+/-1282.109 χ^2/NDF: 28.9/24

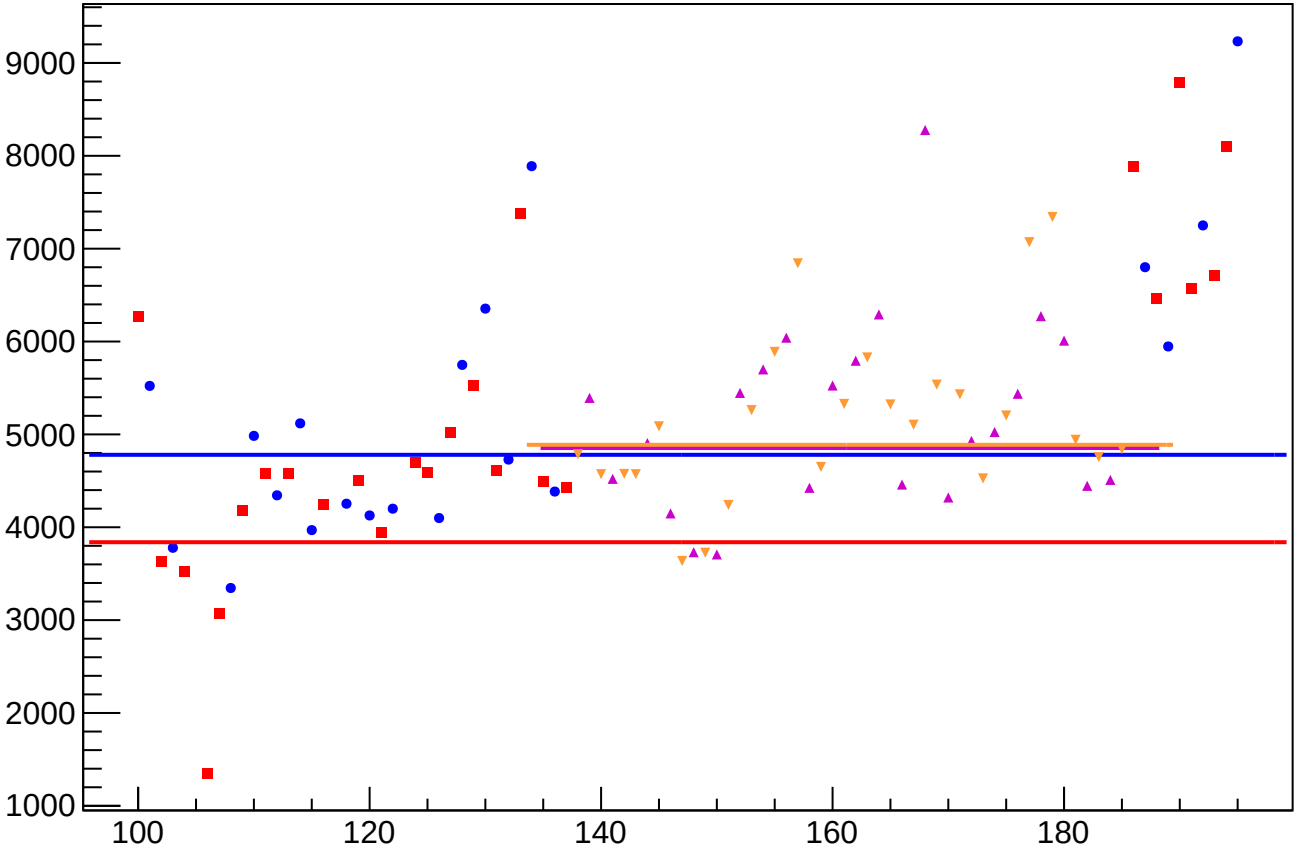
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -465.686+/-922.092 χ^2/NDF: 46.8/44

All: 157.563+/-628.359 χ^2/NDF: 90.5/92

- sign 697.902+/-858.572 χ^2/NDF: 42.9/47

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: 3838.993+/-0.907 χ^2/NDF: 4142402.9/24

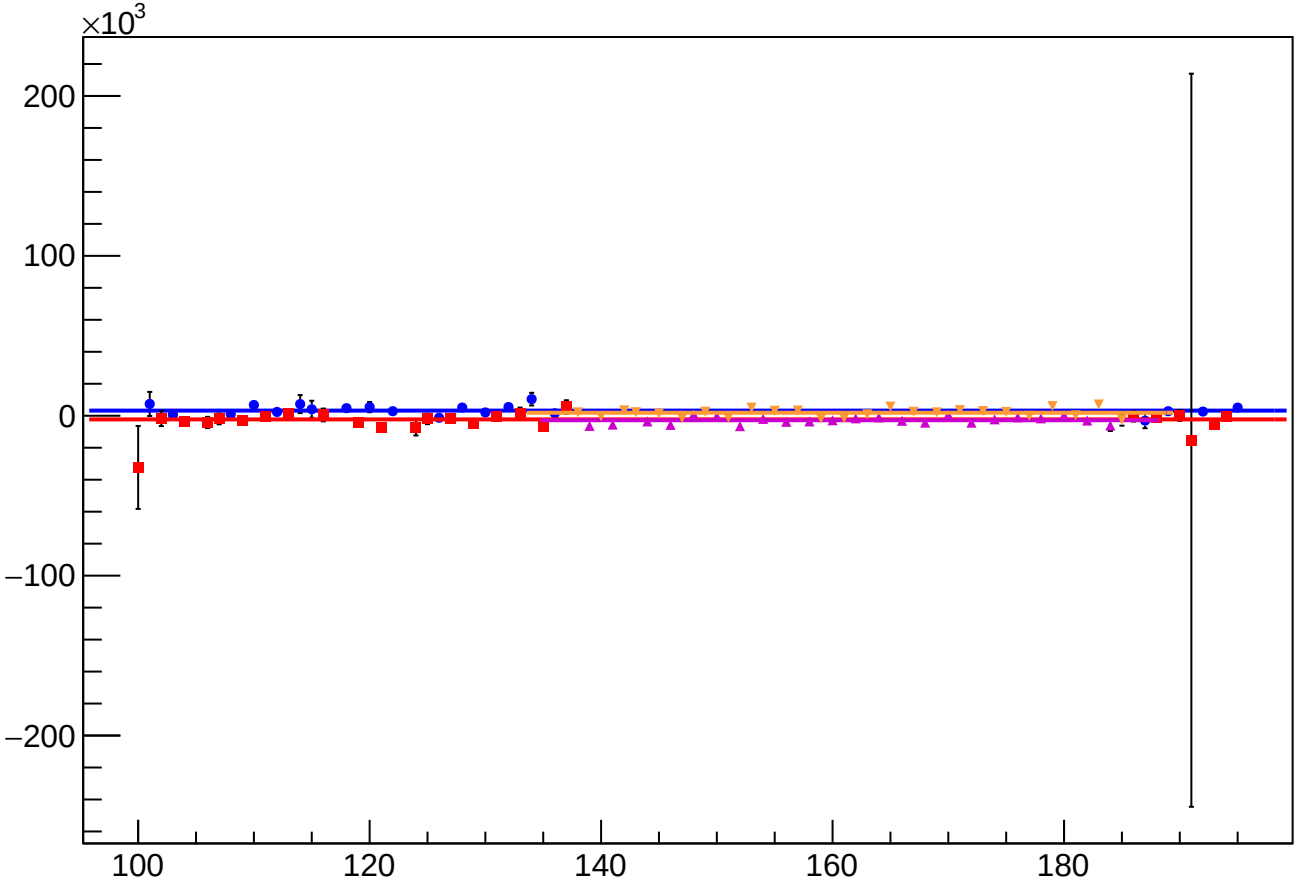
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4851.435+/-0.652 χ^2/NDF: 2341788.8/44

All: 4608.820+/-0.444 χ^2/NDF: 8611829.5/92

- sign 4398.479+/-0.607 χ^2/NDF: 6011543.5/47

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: -2283.654+/-611.340 χ^2/NDF: 21.1/24

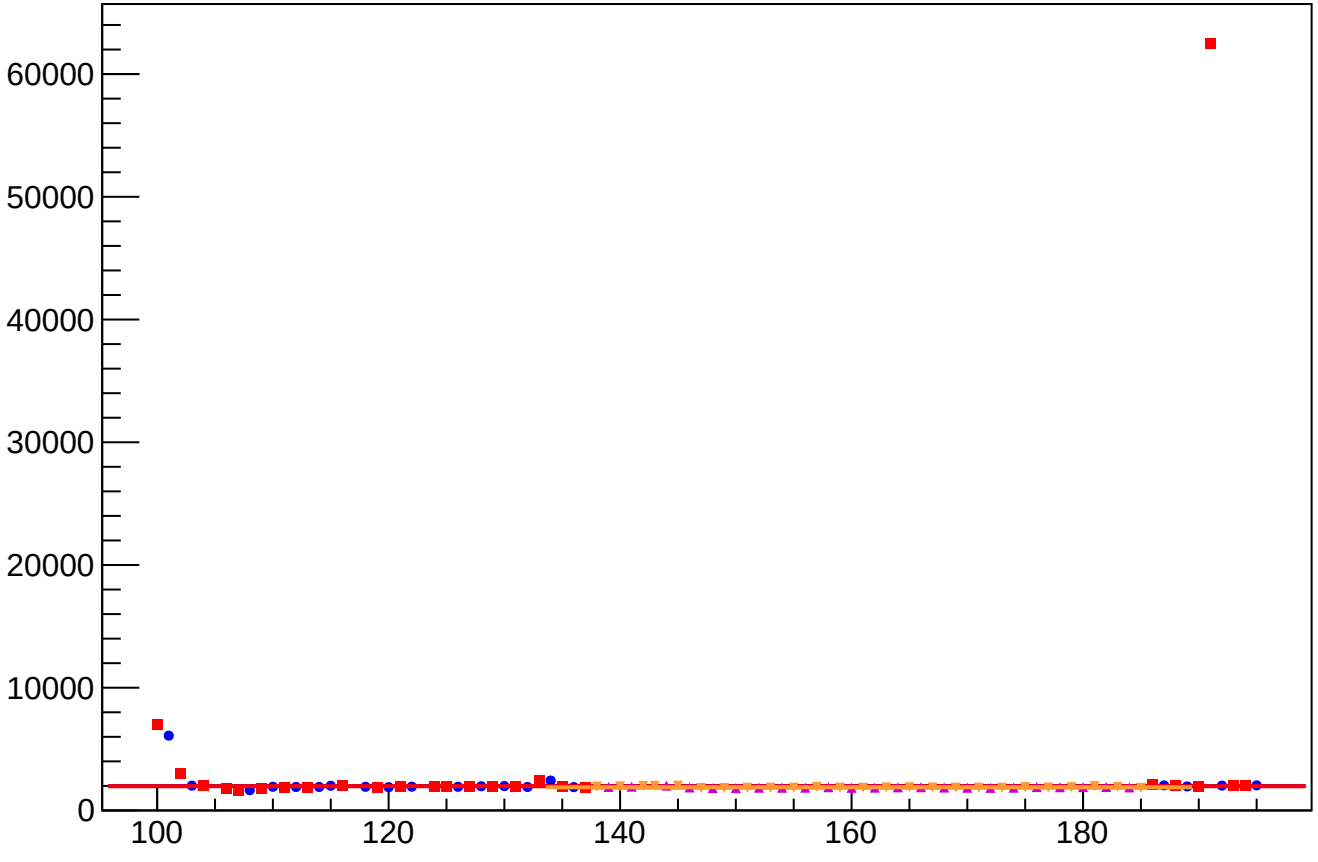
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2290.968+/-357.201 χ^2/NDF: 50.7/44

All: -169.471+/-252.406 χ^2/NDF: 192.5/92

- sign -2623.172+/-356.711 χ^2/NDF: 47.0/47

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: 1977.802+/-0.432 χ^2/NDF: 413269.2/24

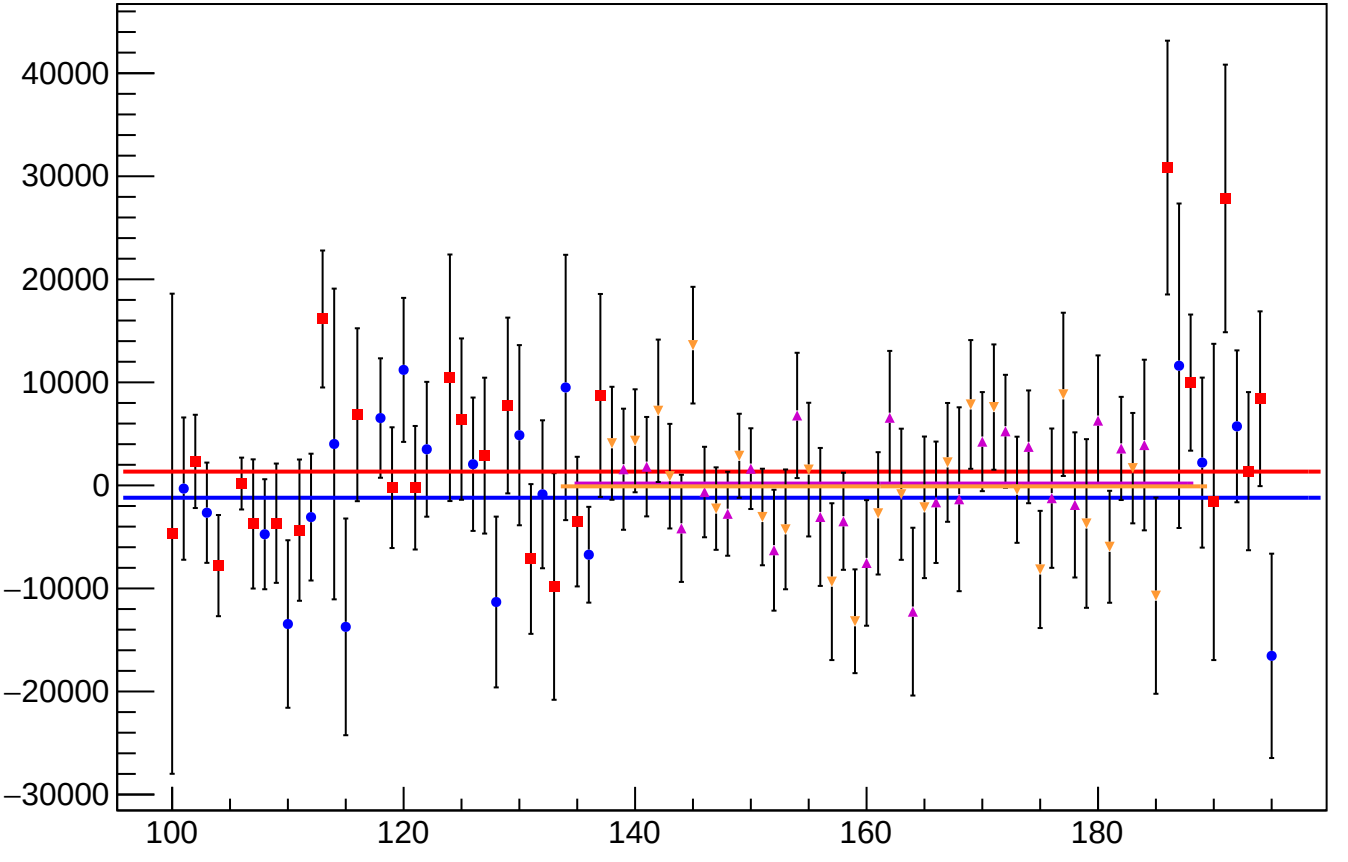
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1917.591+/-0.253 χ^2/NDF: 732400.1/44

All: 1915.645+/-0.178 χ^2/NDF: 1198215.7/92

- sign 1913.704+/-0.252 χ^2/NDF: 465696.9/47

asym_atr_avg_eigen_dit_correction_mean vs Slug



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: 1338.414+/-1282.106 χ^2/NDF: 28.9/24

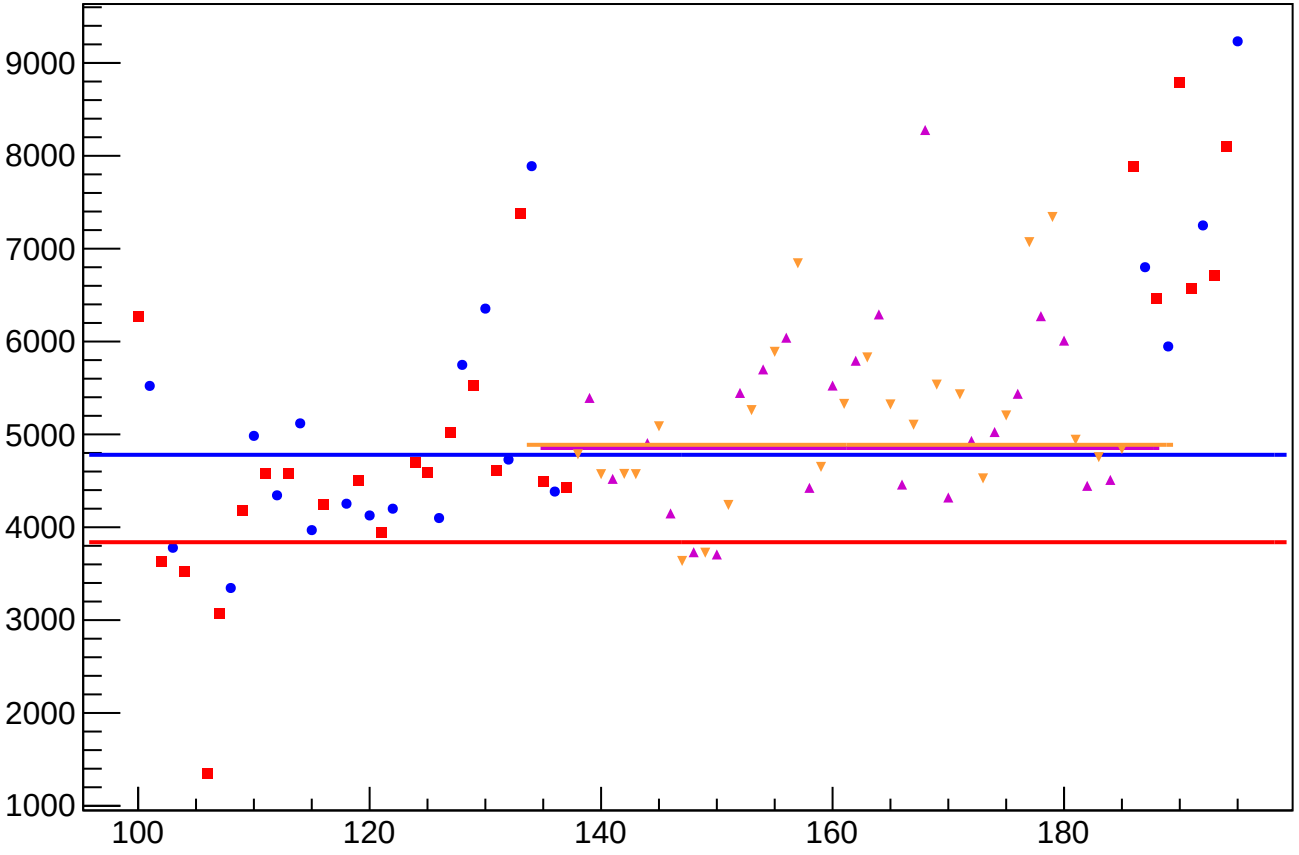
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -465.684+/-922.093 χ^2/NDF: 46.8/44

All: 157.565+/-628.360 χ^2/NDF: 90.5/92

- sign 697.904+/-858.572 χ^2/NDF: 42.9/47

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: 3838.984+/-0.907 χ^2/NDF: 4142416.3/24

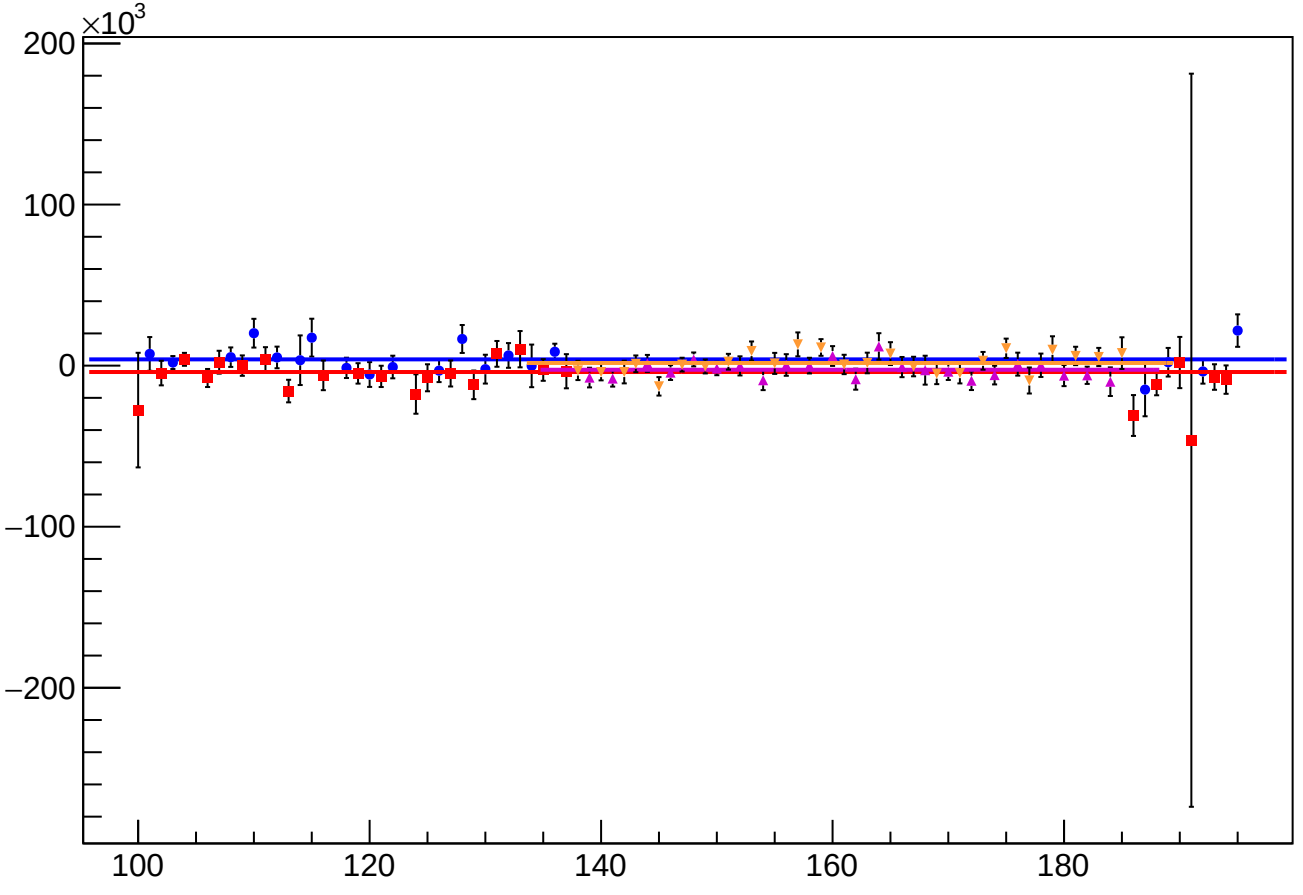
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4851.438+/-0.652 χ^2/NDF: 2341796.1/44

All: 4608.820+/-0.444 χ^2/NDF: 8611879.9/92

- sign 4398.477+/-0.607 χ^2/NDF: 6011581.8/47

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: -3957.057+/-1547.250 χ^2/NDF: 22.3/24

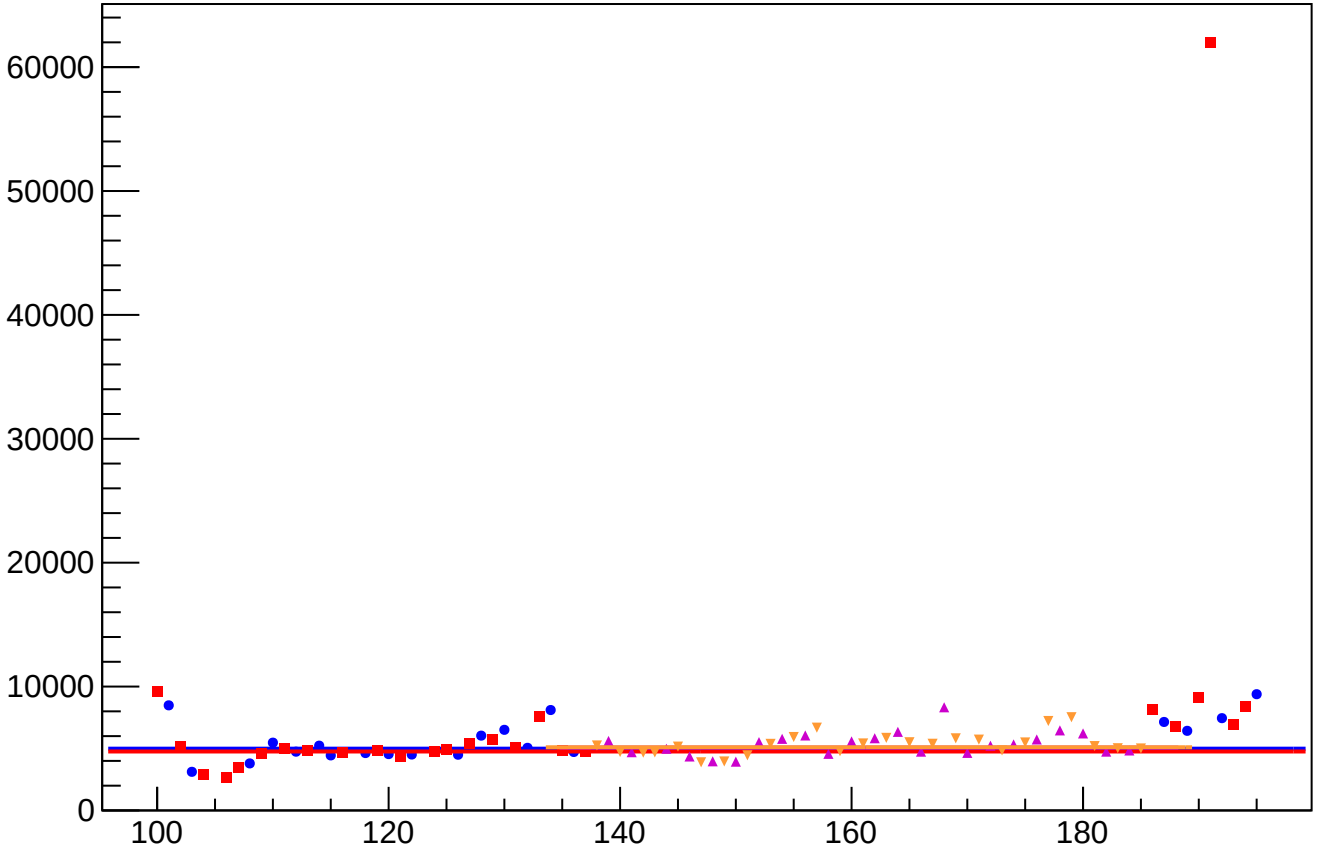
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2397.107+/-962.989 χ^2/NDF: 45.0/44

All: -382.158+/-676.451 χ^2/NDF: 100.1/92

- sign -3089.390+/-950.428 χ^2/NDF: 38.7/47

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: 4759.550+/-1.086 χ^2/NDF: 2149993.0/24

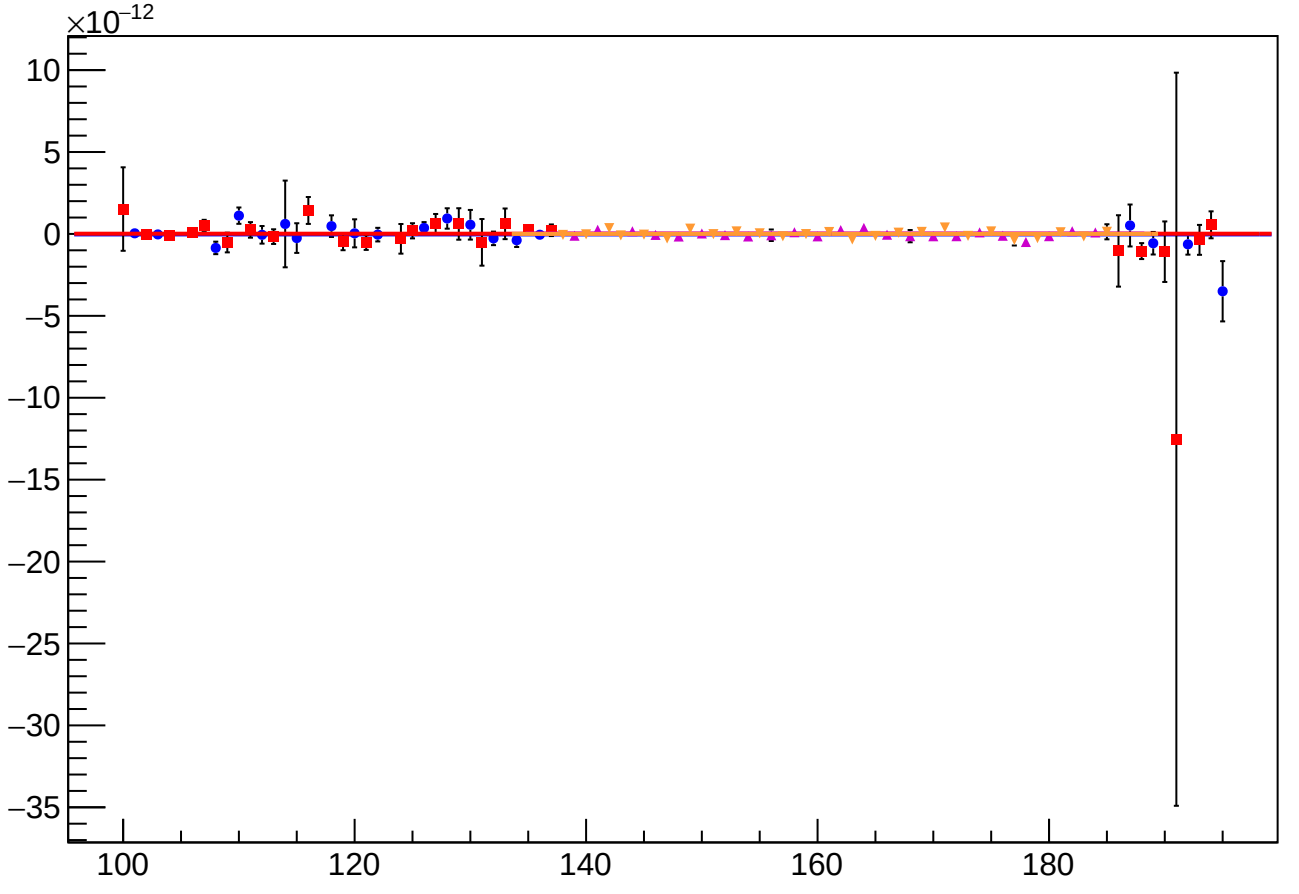
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5062.839+/-0.681 χ^2/NDF: 2575033.3/44

All: 5007.532+/-0.478 χ^2/NDF: 5781692.6/92

- sign 4953.963+/-0.670 χ^2/NDF: 3193672.8/47

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: 21.4/24

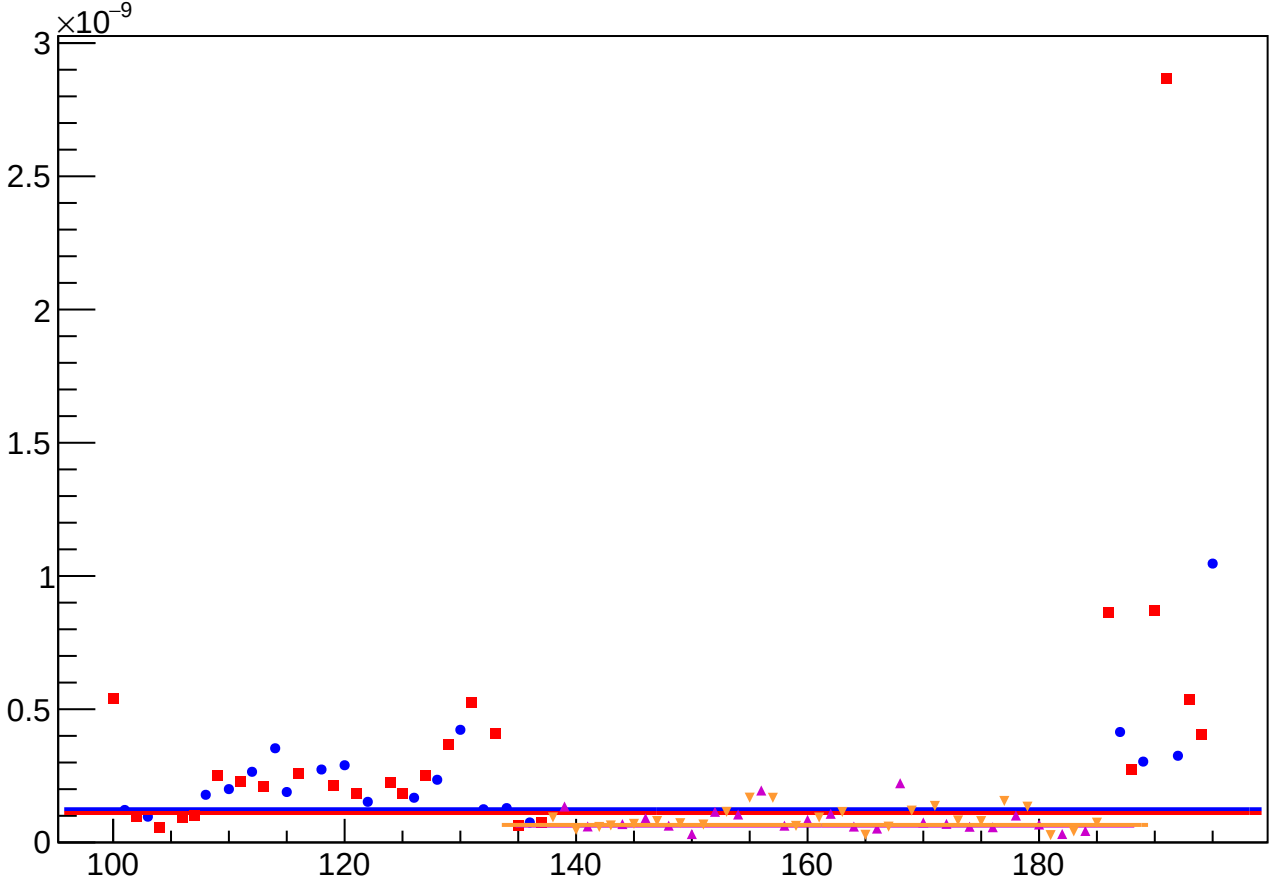
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/44

All: 0.000+/-0.000 χ^2/NDF: 108.8/92

- sign 0.000+/-0.000 χ^2/NDF: 53.8/47

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: 3406306.9/24

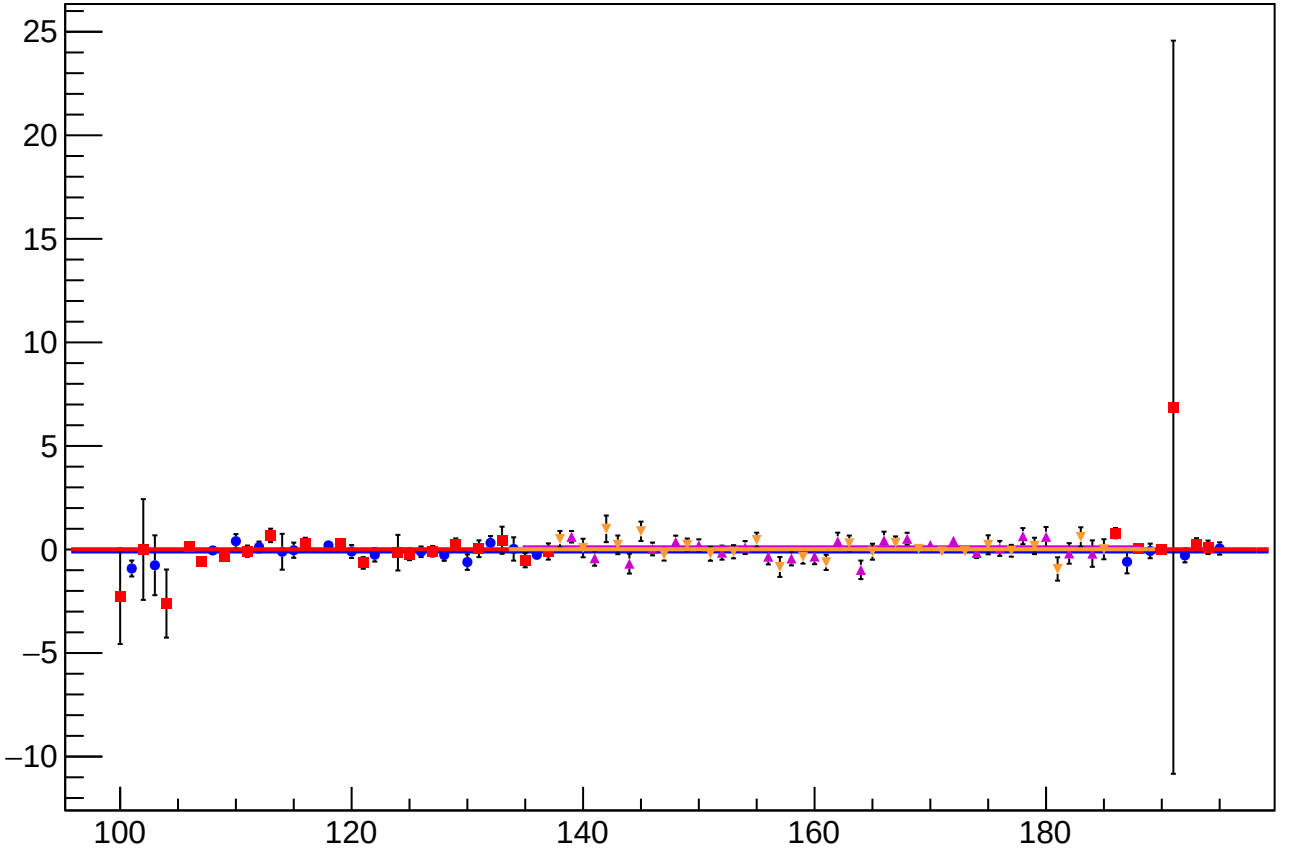
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5640449.4/44

All: 0.000+/-0.000 χ^2/NDF: 12031993.1/92

- sign 0.000+/-0.000 χ^2/NDF: 6372823.7/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

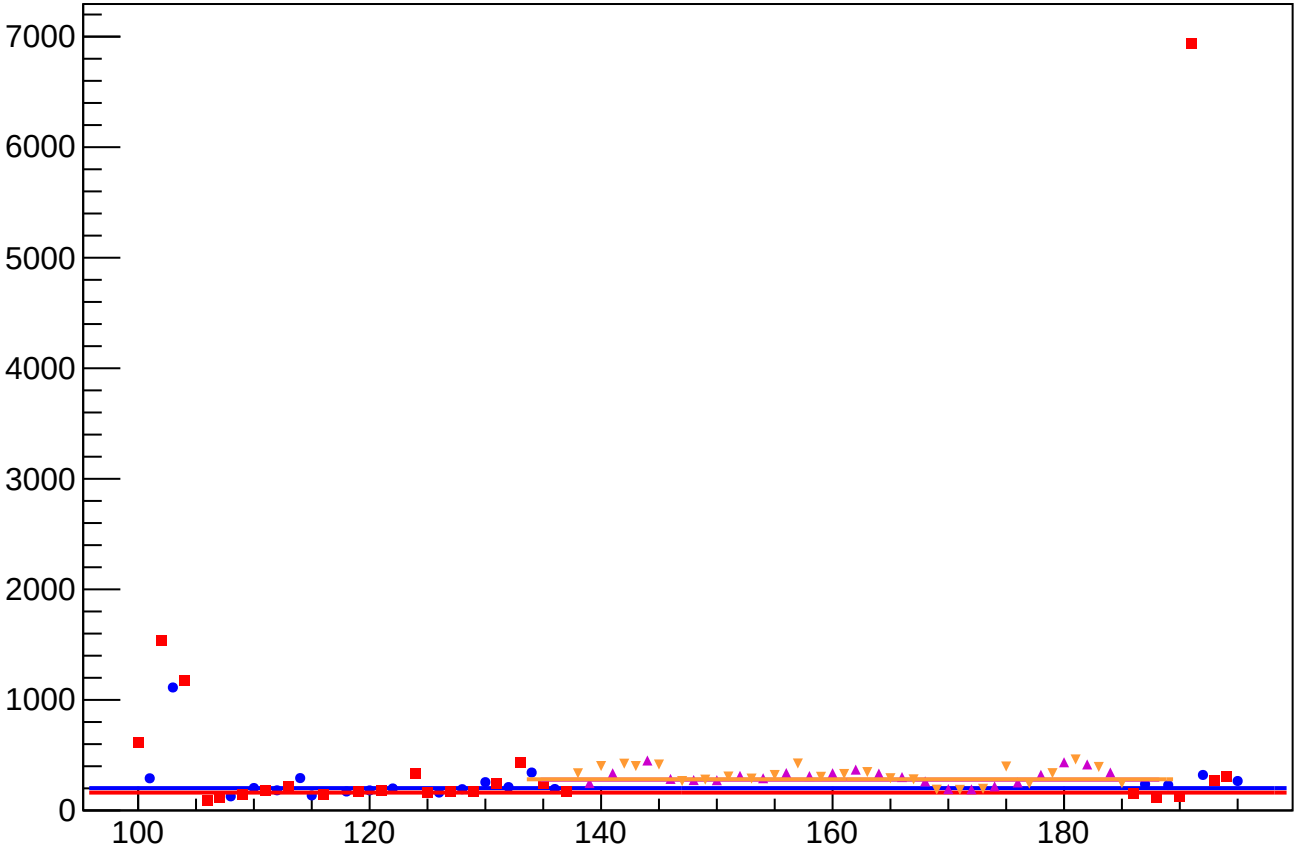
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.010+/-0.033 χ^2/NDF: 116.8/92

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

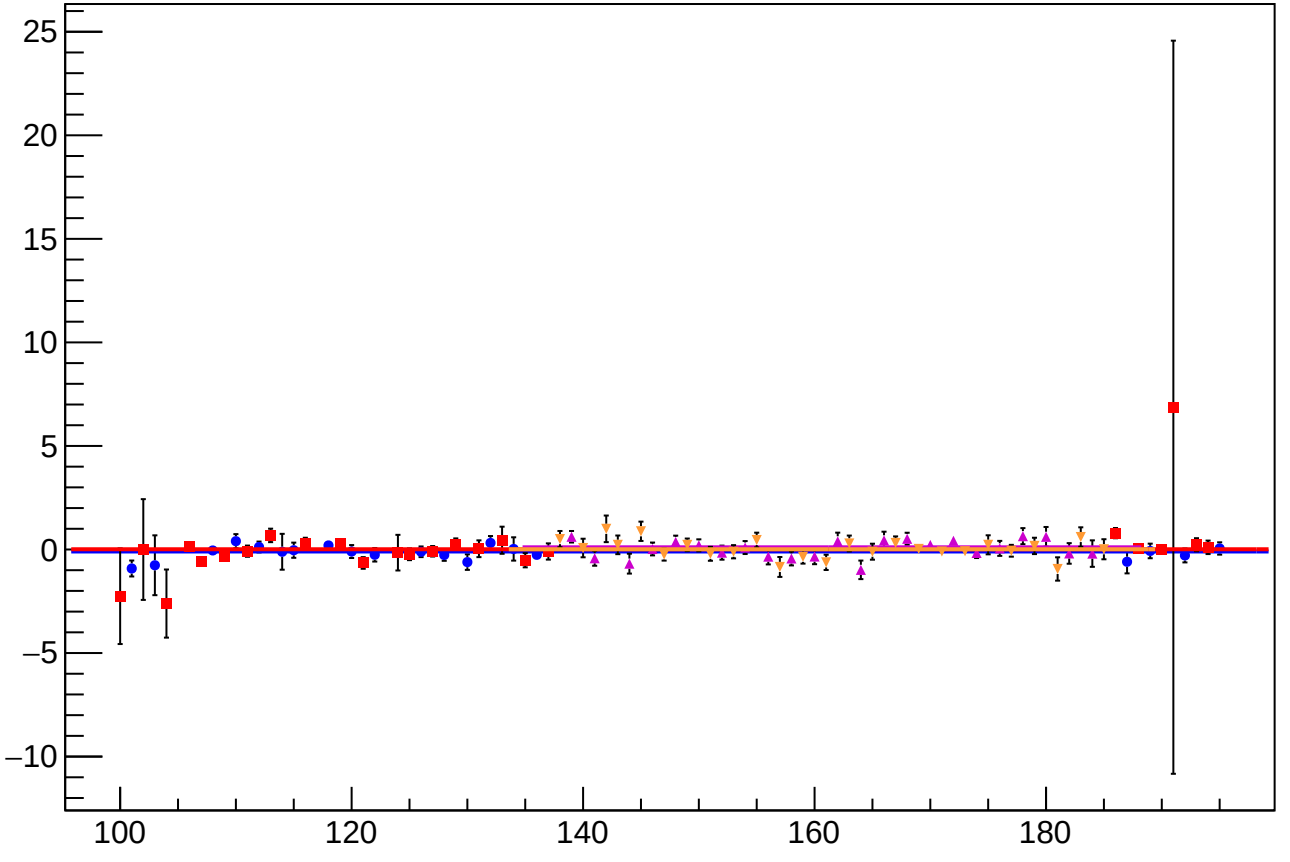
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 243.391+/-0.035 χ^2/NDF: 5727633.1/44

All: 224.058+/-0.023 χ^2/NDF: 15401972.7/92

- sign 208.744+/-0.031 χ^2/NDF: 9115621.6/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

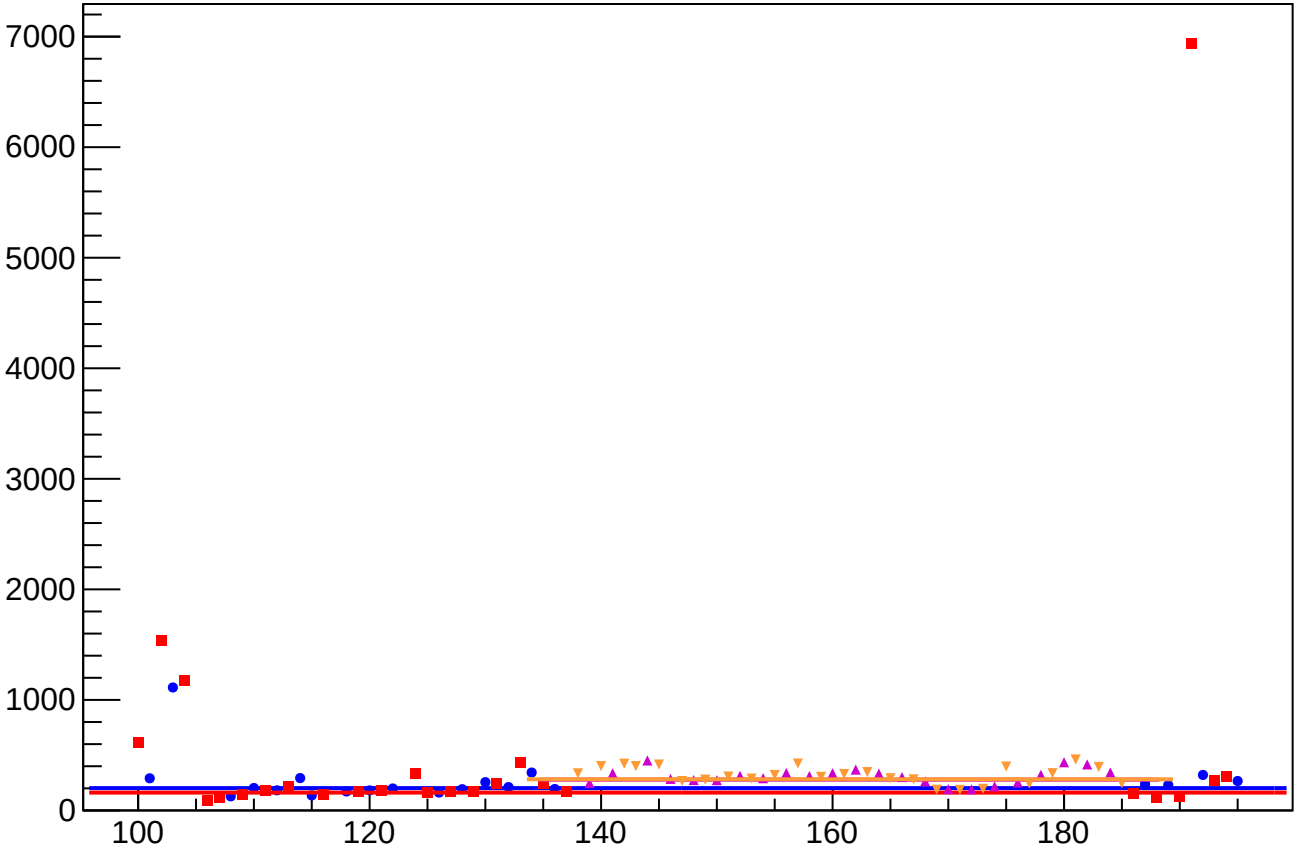
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.010+/-0.033 χ^2/NDF: 116.8/92

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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

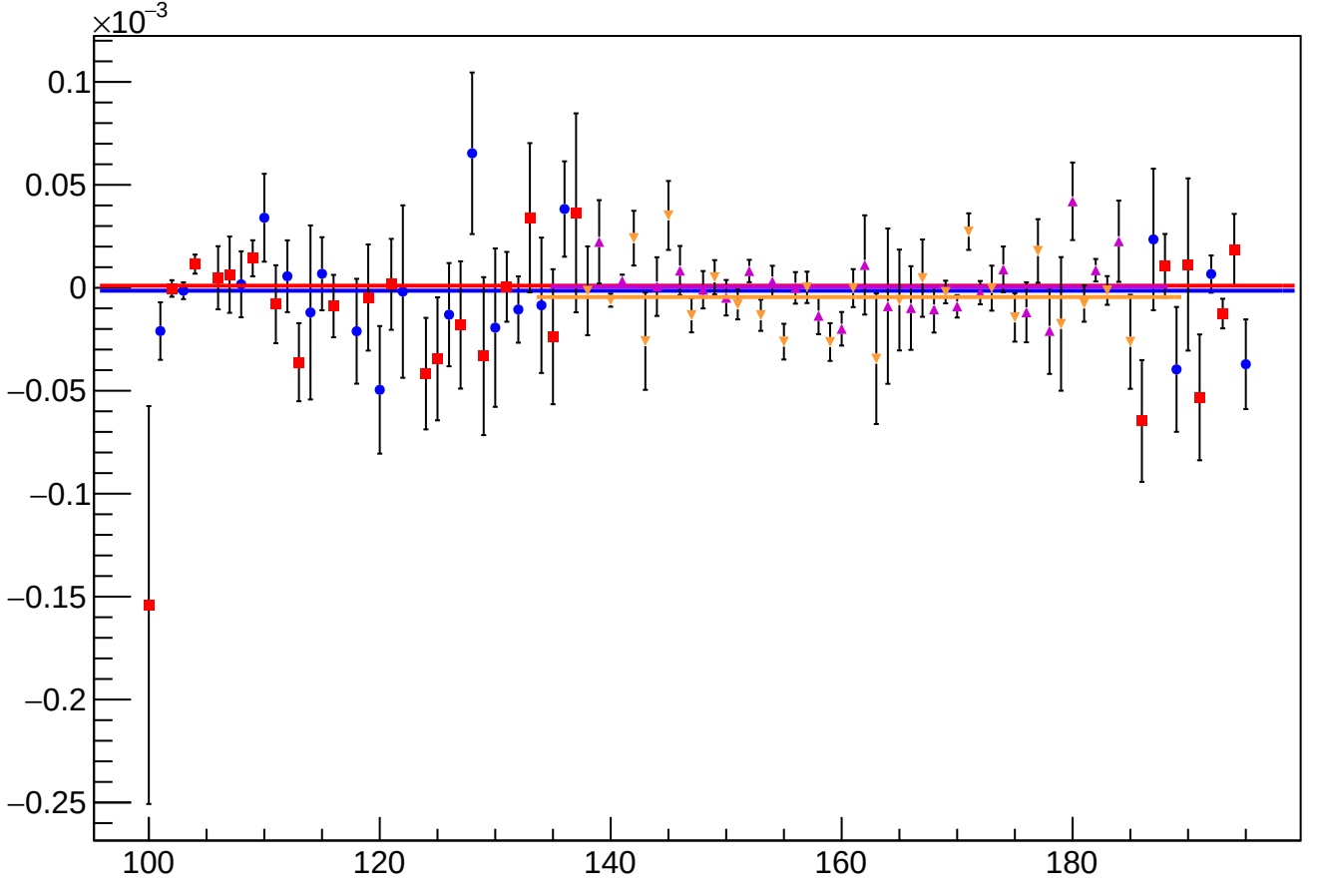
Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 243.391+/-0.035 χ^2/NDF: 5727633.1/44

All: 224.058+/-0.023 χ^2/NDF: 15401972.7/92

- sign 208.744+/-0.031 χ^2/NDF: 9115621.6/47



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: 34.9/24

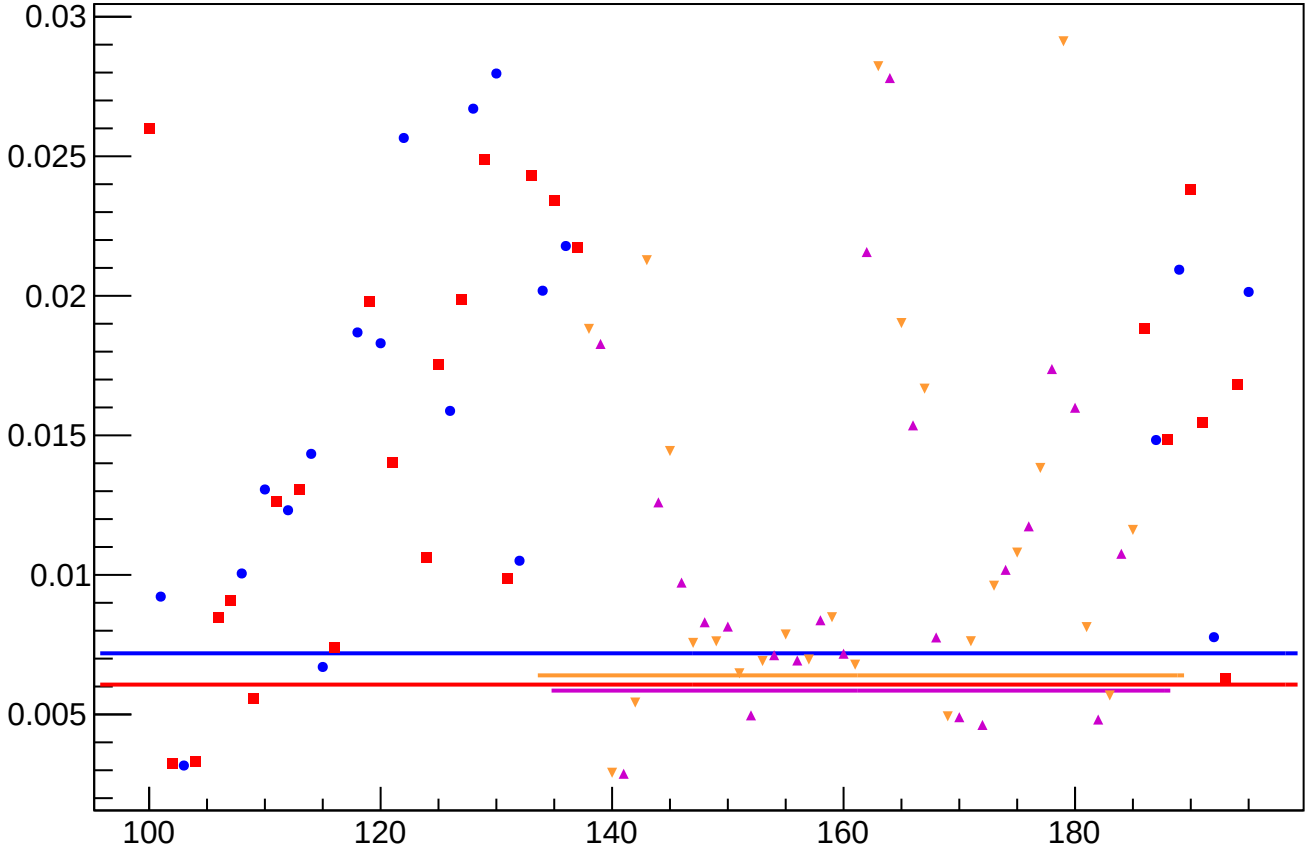
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.6/44

All: -0.000+/-0.000 χ^2/NDF: 136.6/92

- sign 0.000+/-0.000 χ^2/NDF: 64.0/47

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: 8171881.0/24

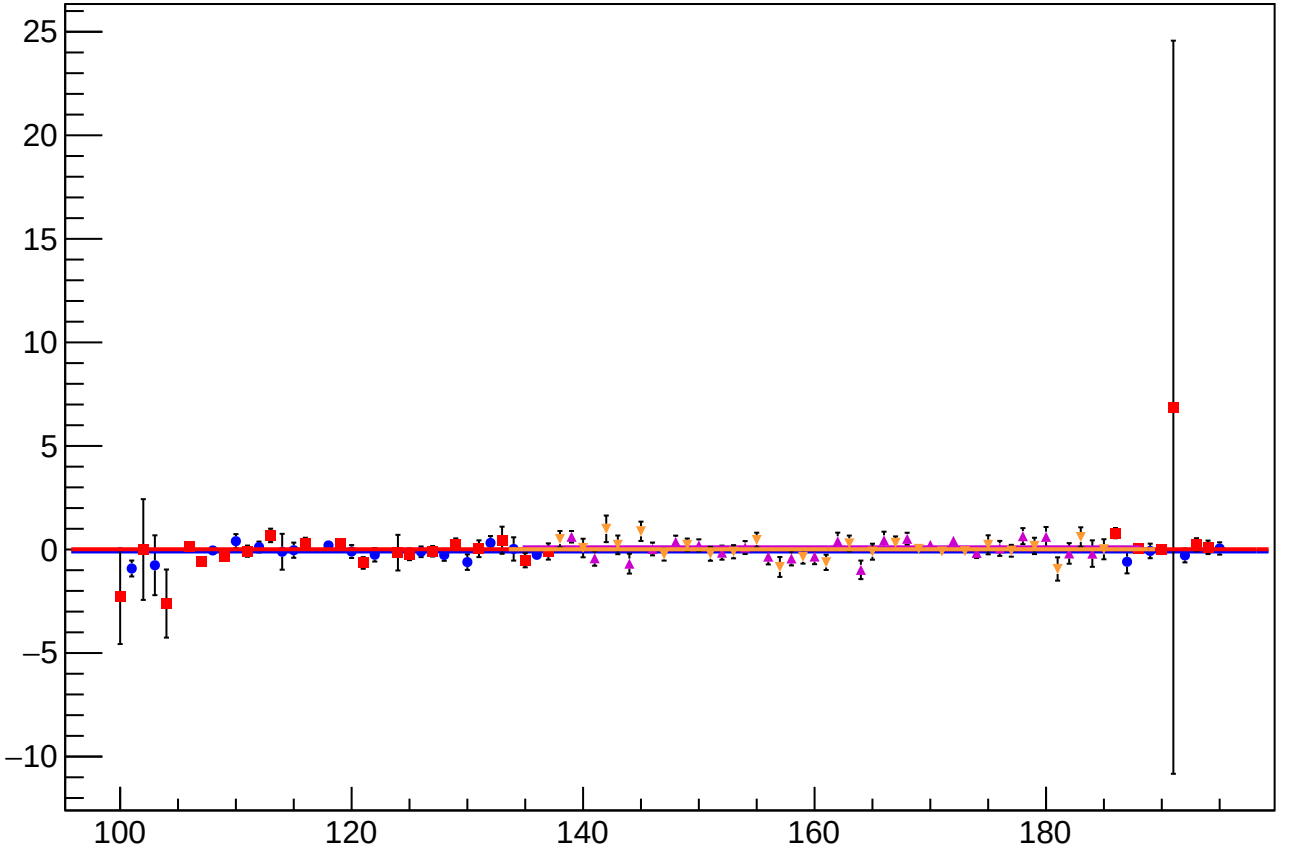
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 16288377.6/44

All: 0.006+/-0.000 χ^2/NDF: 32835289.3/92

- sign 0.006+/-0.000 χ^2/NDF: 16327524.3/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

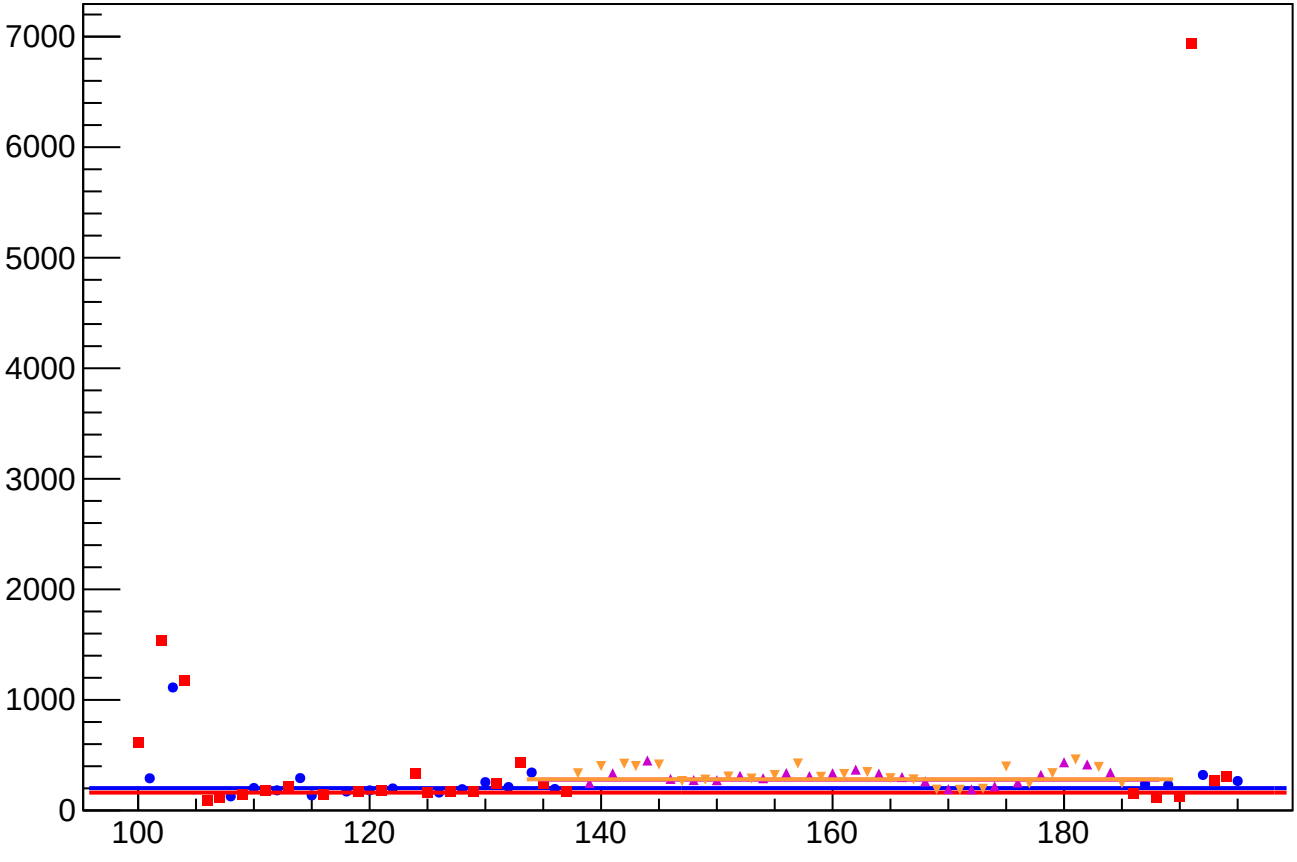
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.010+/-0.033 χ^2/NDF: 116.8/92

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

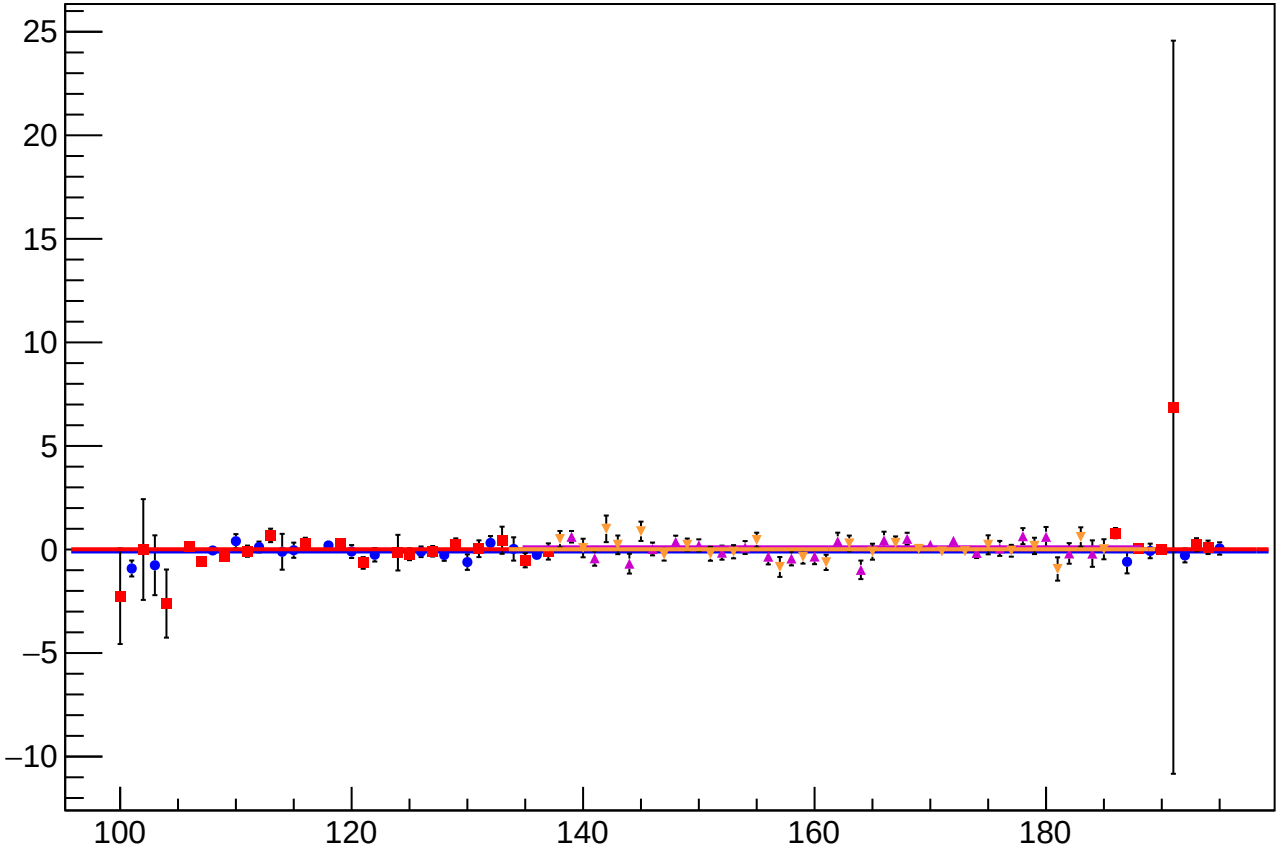
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 243.392+/-0.035 χ^2/NDF: 5727781.9/44

All: 224.057+/-0.023 χ^2/NDF: 15402674.9/92

- sign 208.741+/-0.031 χ^2/NDF: 9116080.5/47

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

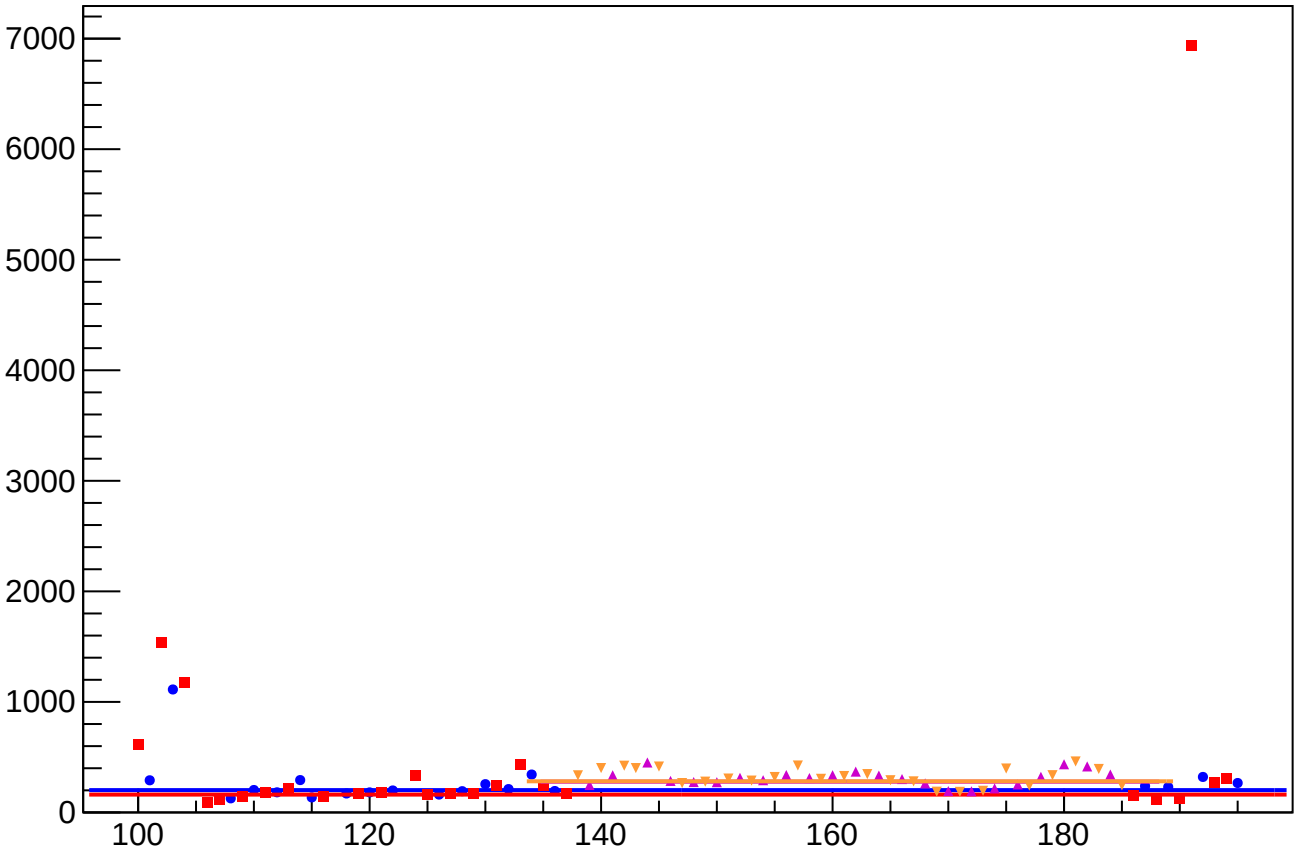
Right Out: 0.011+/-0.056 χ^2/NDF: 40.7/24

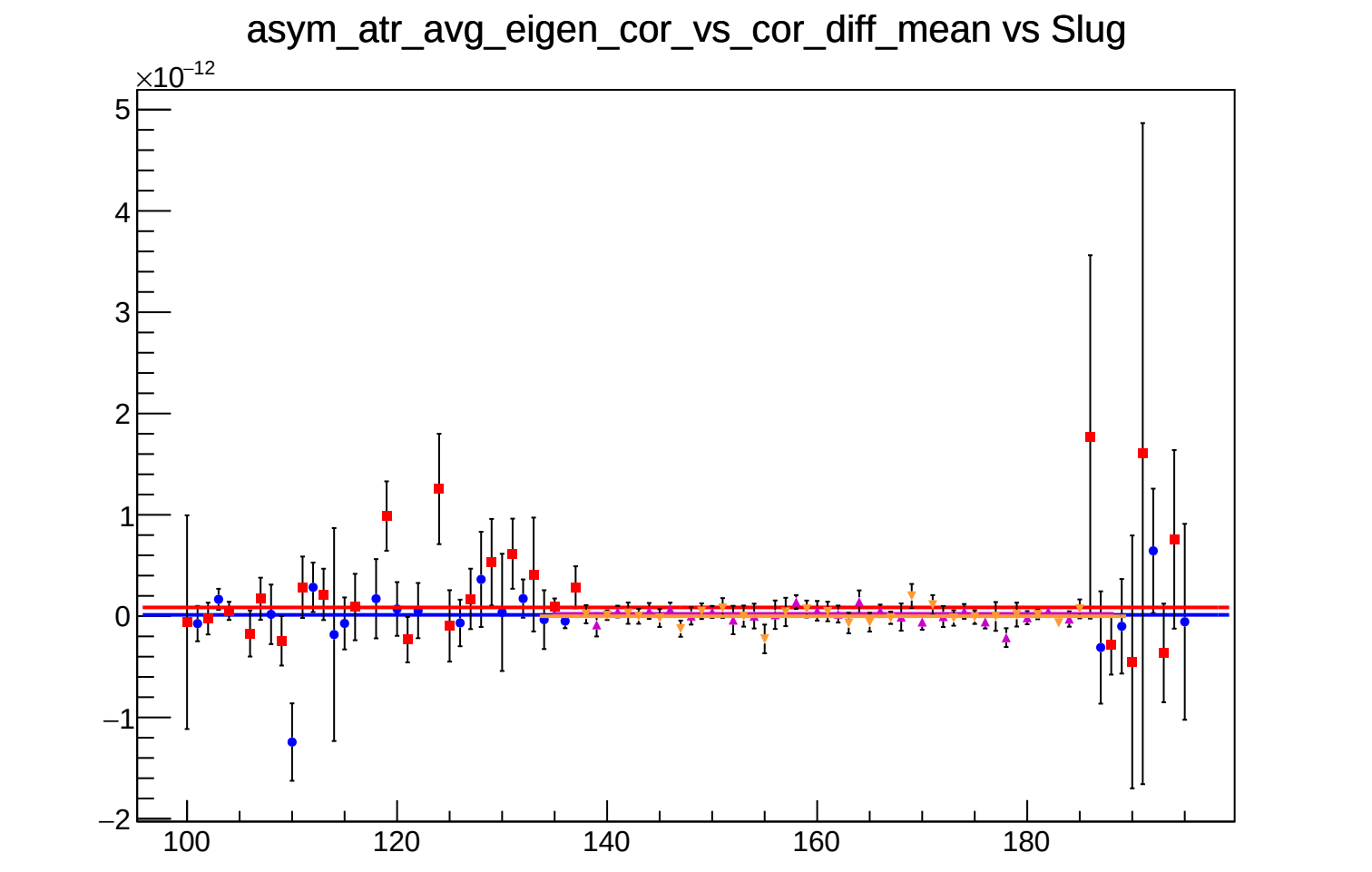
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.041+/-0.049 χ^2/NDF: 41.6/44

All: 0.010+/-0.033 χ^2/NDF: 116.8/92

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47


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
Right In: 202.120+/-0.050 χ²/NDF: 1884006.4/19
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 161.584+/-0.040 χ²/NDF: 3856894.3/24
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 243.392+/-0.035 χ²/NDF: 5727781.9/44
All: 224.057+/-0.023 χ²/NDF: 15402674.9/92
- sign 208.741+/-0.031 χ²/NDF: 9116080.5/47



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: 27.5/24

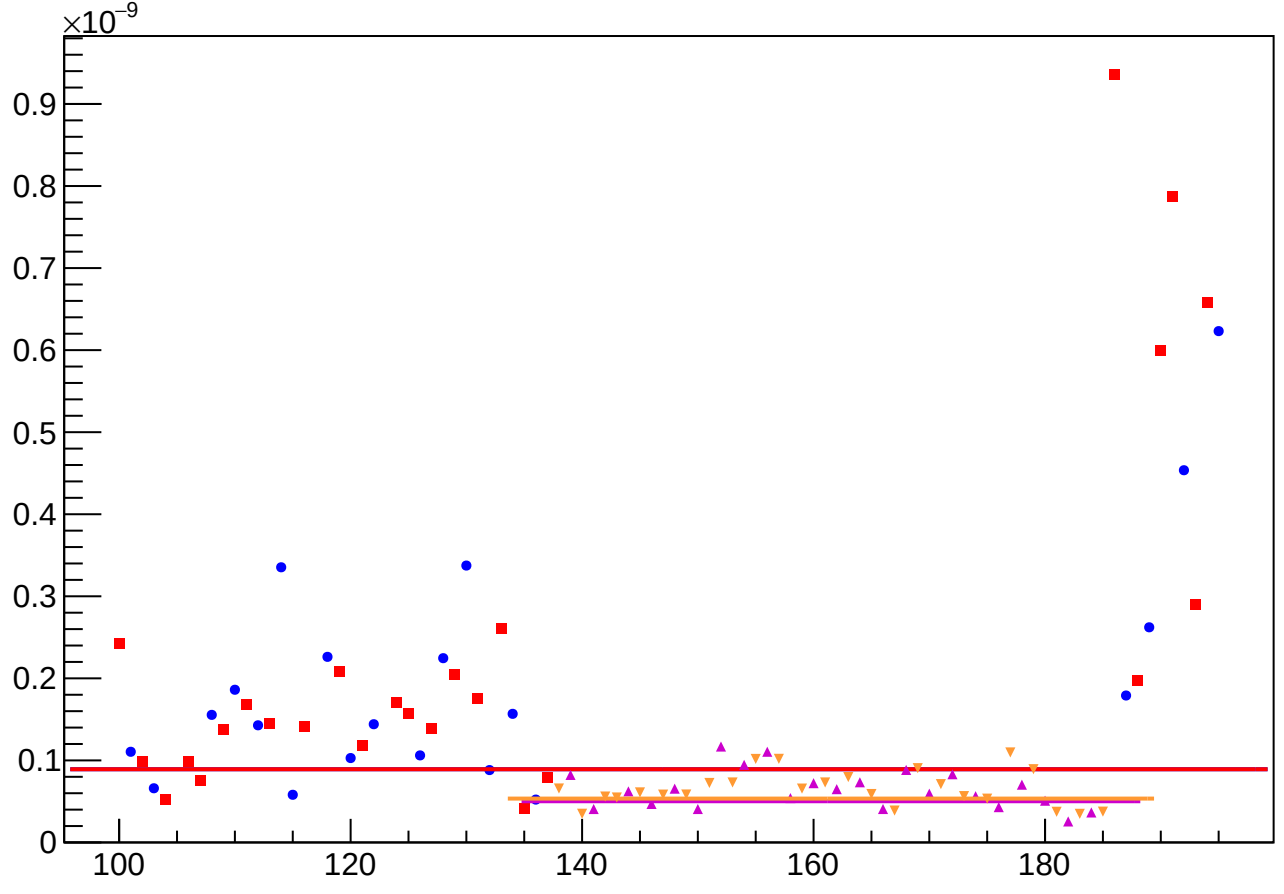
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/44

All: 0.000+/-0.000 χ^2/NDF: 82.2/92

- sign 0.000+/-0.000 χ^2/NDF: 46.2/47

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: 4640493.4/24

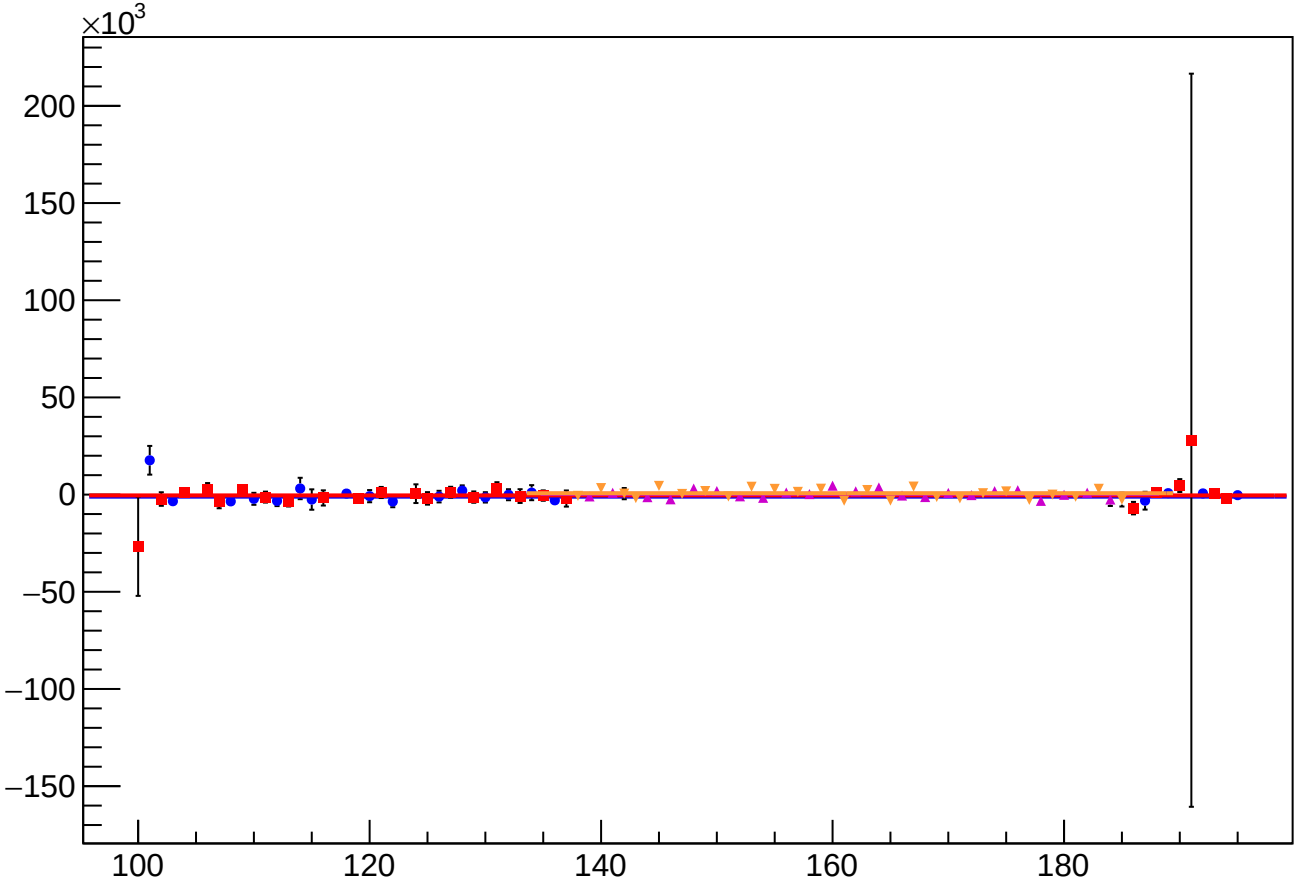
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7686007.8/44

All: 0.000+/-0.000 χ^2/NDF: 17135654.9/92

- sign 0.000+/-0.000 χ^2/NDF: 9411824.9/47

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: -410.136+/-589.102 χ^2/NDF: 17.7/24

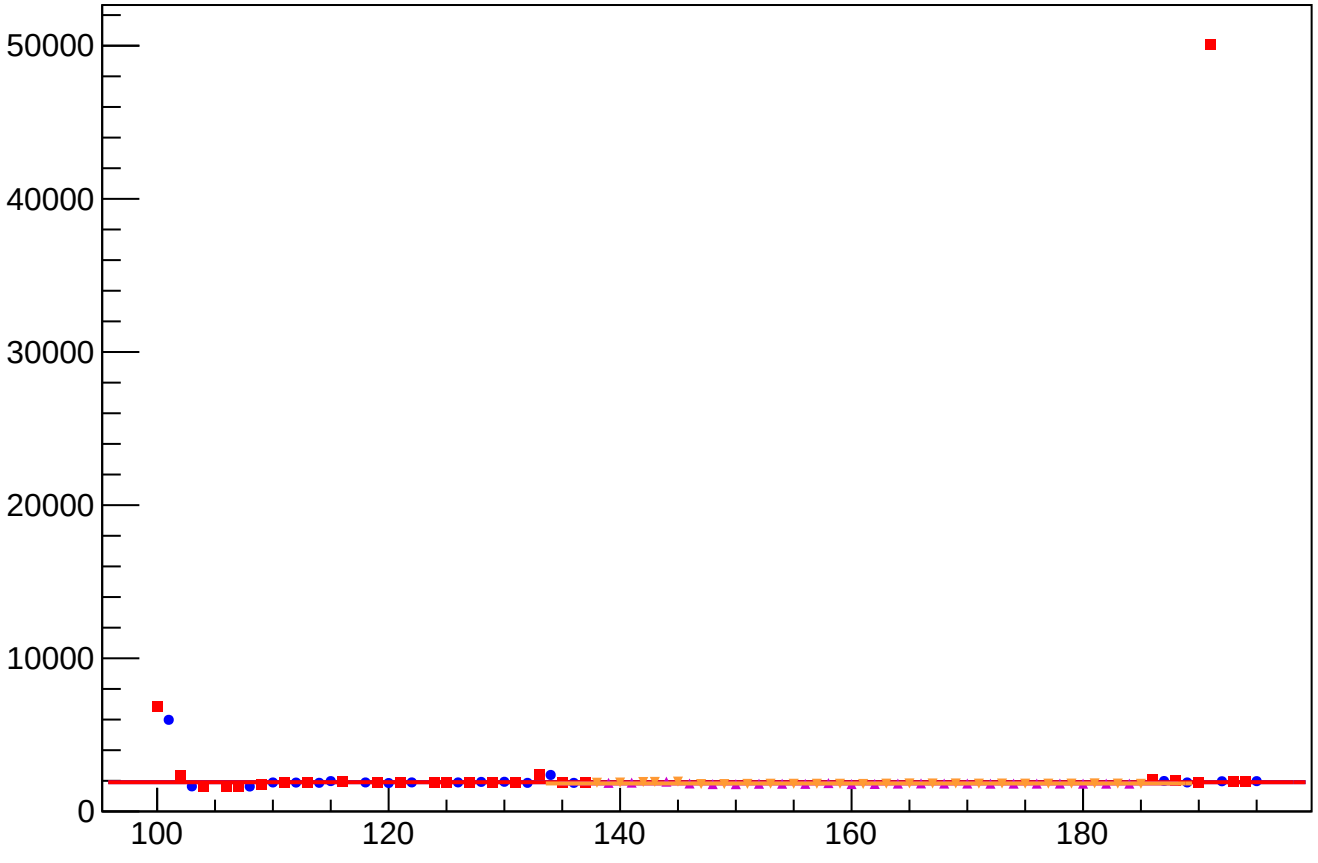
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign 163.932+/-345.496 χ^2/NDF: 52.8/44

All: 143.808+/-244.238 χ^2/NDF: 92.5/92

\- sign 123.705+/-345.314 χ^2/NDF: 39.7/47

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

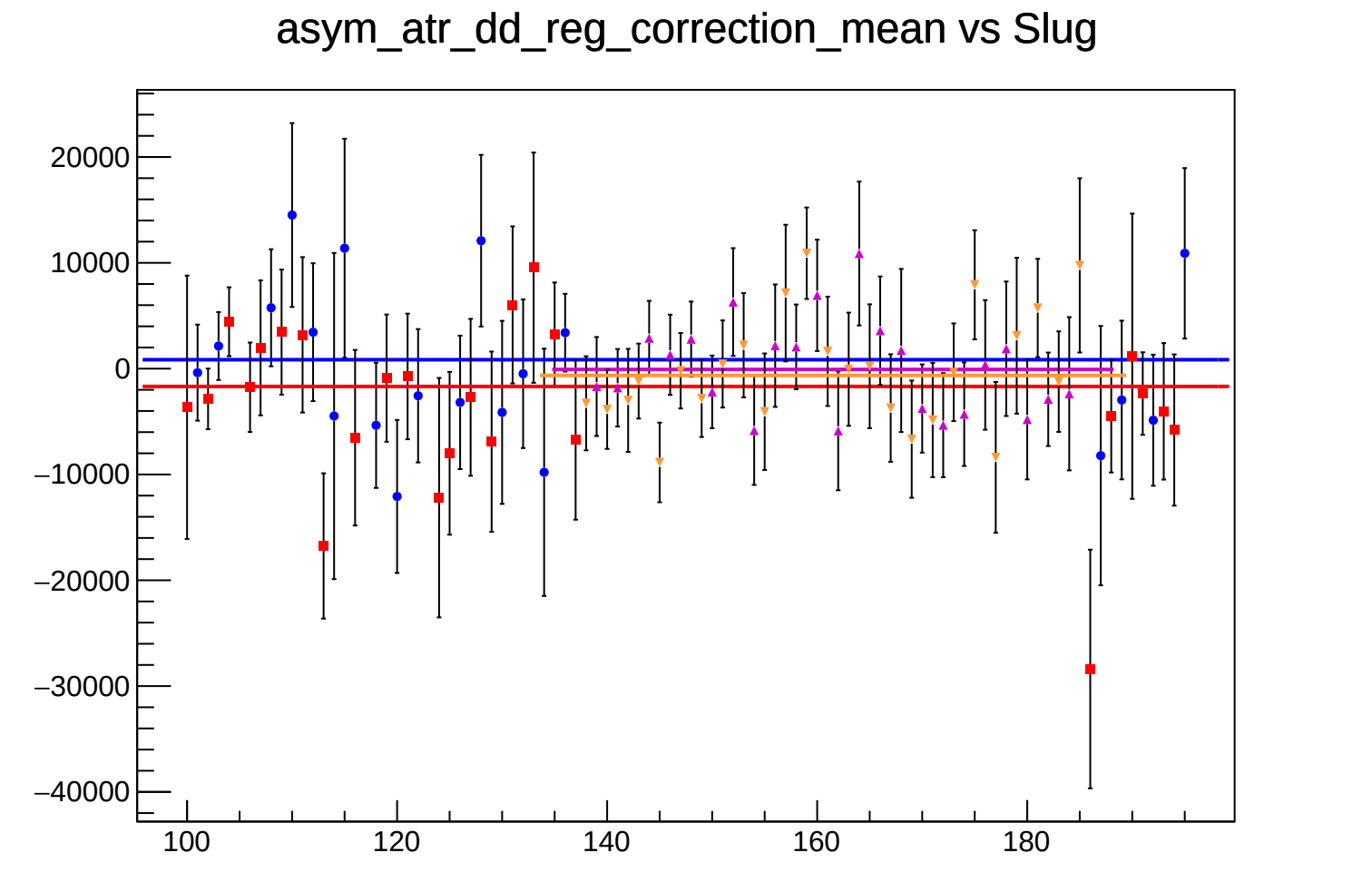
Right Out: 1909.211+/-0.416 χ^2/NDF: 369868.6/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1854.436+/-0.173 χ^2/NDF: 1158389.6/92

- sign 1854.133+/-0.244 χ^2/NDF: 410034.1/47



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: -1681.756+/-1159.614 χ^2/NDF: 22.4/24

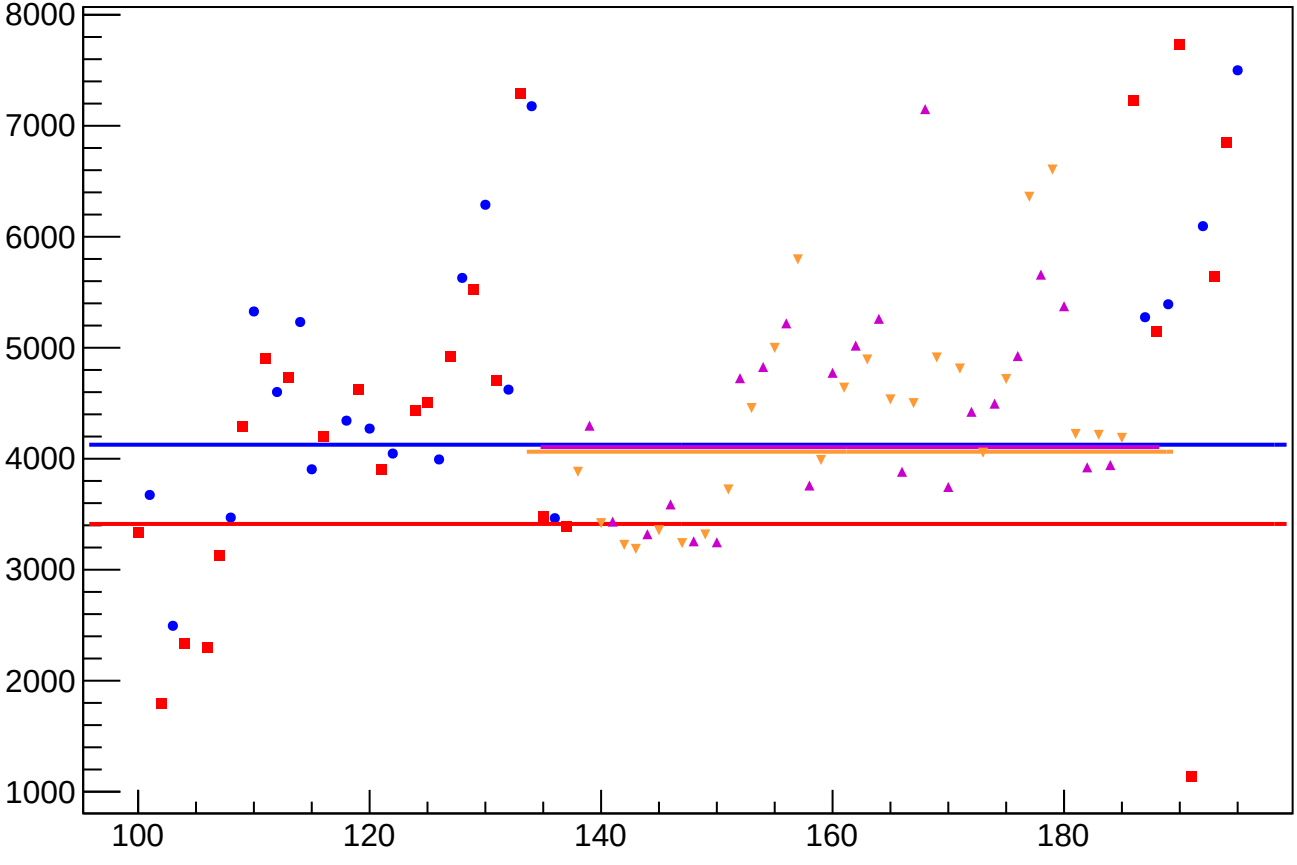
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -164.424+/-781.271 χ^2/NDF: 43.4/44

All: -467.141+/-540.526 χ^2/NDF: 82.7/92

- sign -745.079+/-748.612 χ^2/NDF: 39.0/47

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: 3412.443+/-0.820 χ^2/NDF: 3920873.2/24

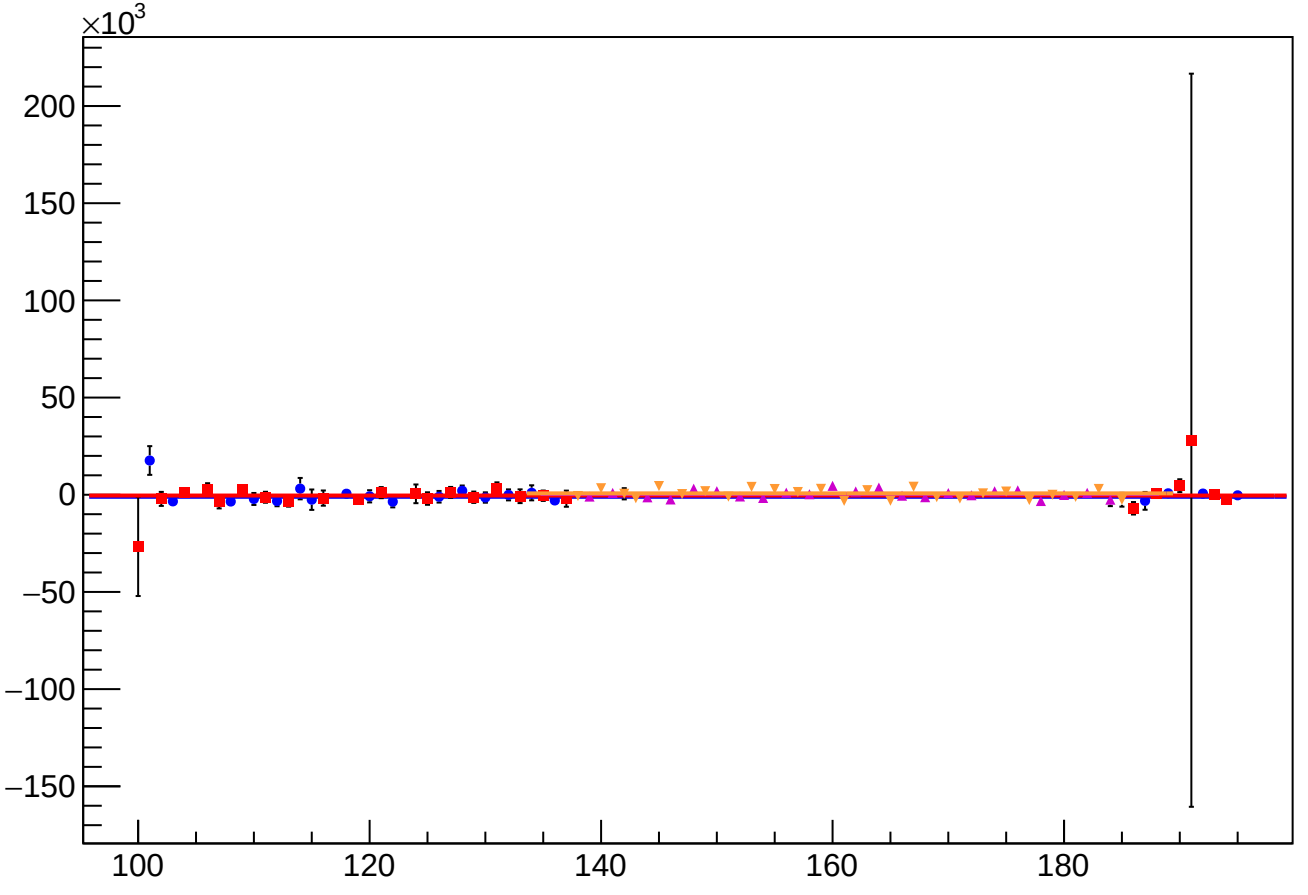
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4083.293+/-0.552 χ^2/NDF: 3070403.2/44

All: 3944.153+/-0.382 χ^2/NDF: 8888580.2/92

- sign 3816.403+/-0.529 χ^2/NDF: 5696499.7/47

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: -402.921+/-589.660 χ^2/NDF: 17.7/24

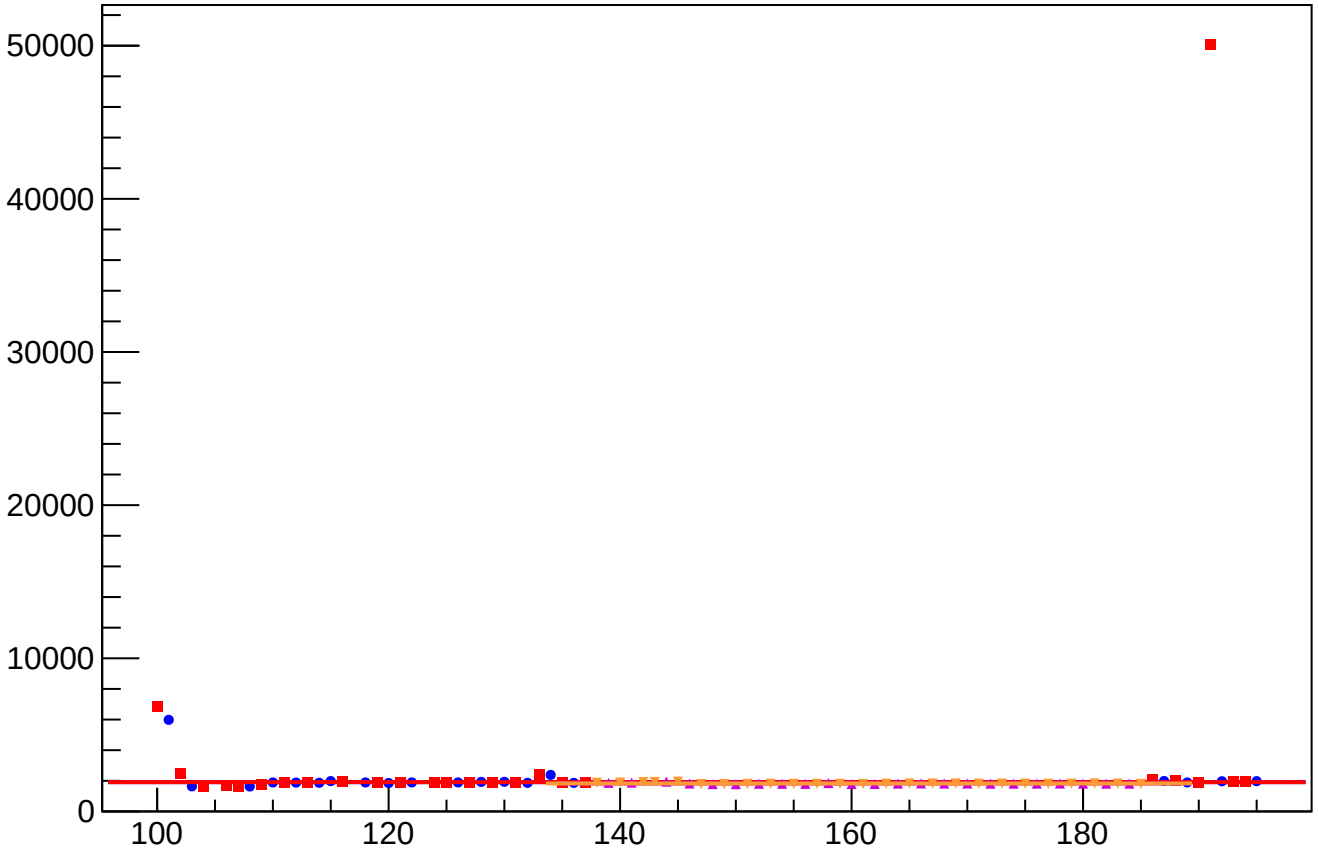
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign 163.886+/-345.496 χ^2/NDF: 52.7/44

All: 145.150+/-244.278 χ^2/NDF: 92.4/92

\- sign 126.421+/-345.426 χ^2/NDF: 39.7/47

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

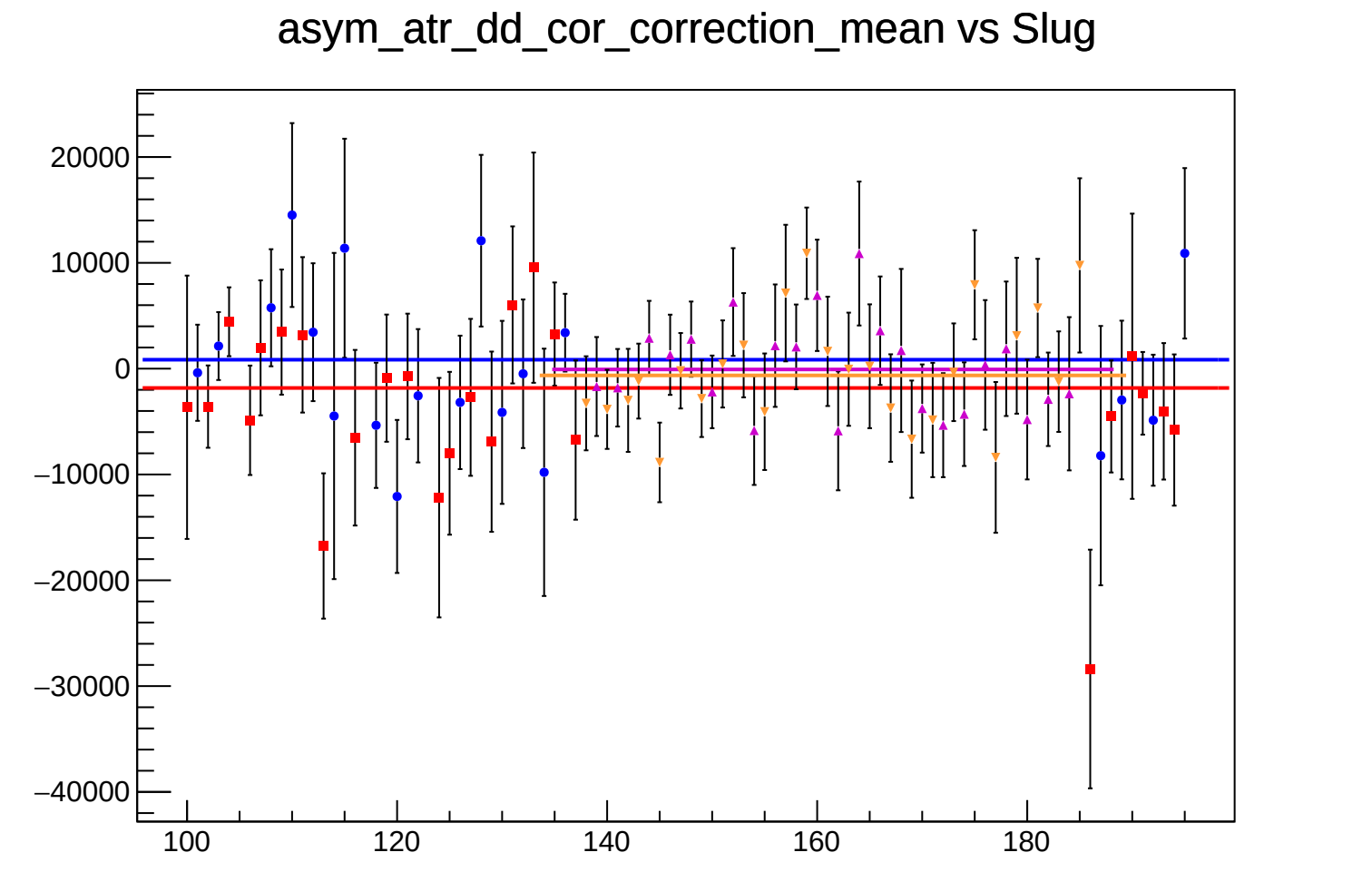
Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1855.238+/-0.173 χ^2/NDF: 1168534.5/92

- sign 1855.734+/-0.244 χ^2/NDF: 420173.8/47



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: -1825.889+/-1222.432 χ^2/NDF: 22.9/24

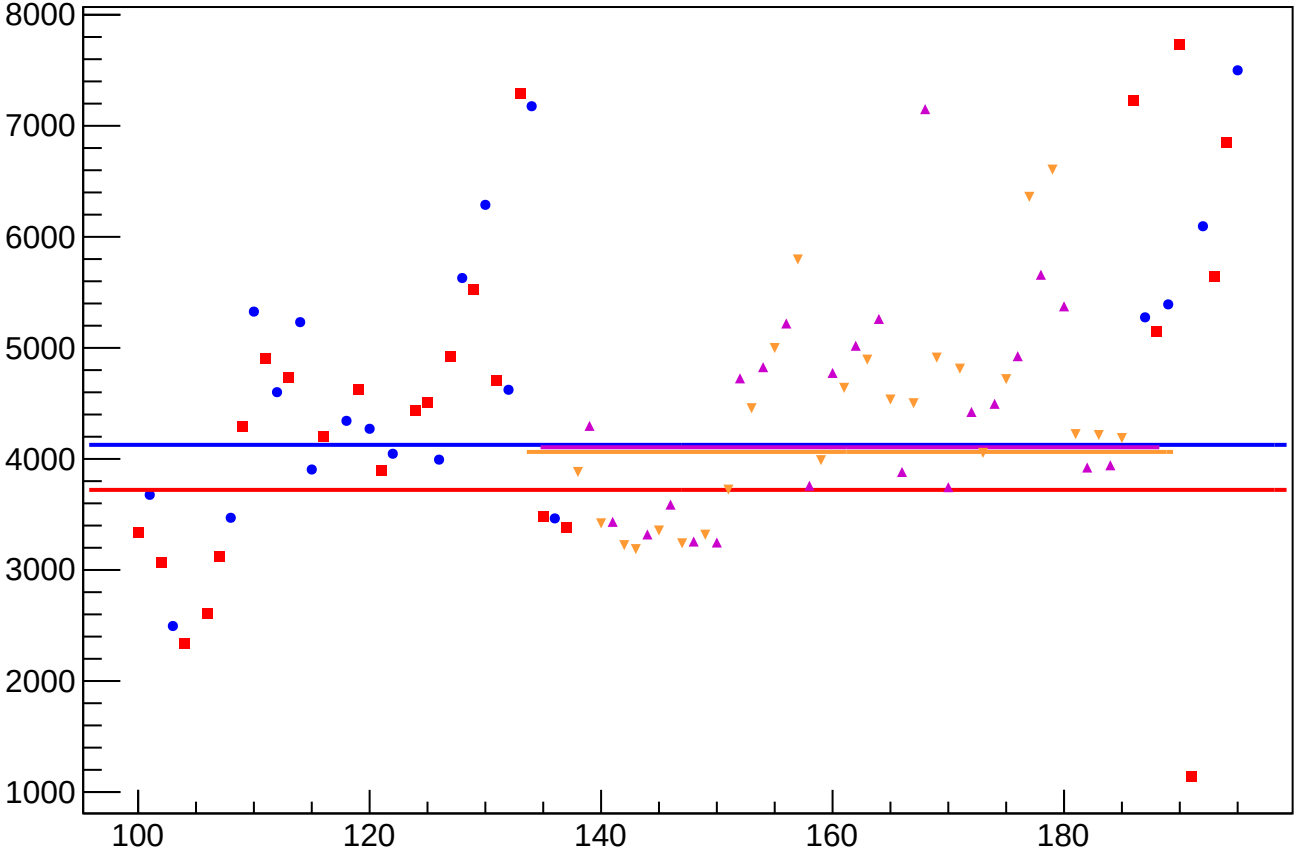
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -164.849+/-781.296 χ^2/NDF: 43.4/44

All: -469.159+/-546.512 χ^2/NDF: 83.2/92

- sign -760.709+/-764.739 χ^2/NDF: 39.6/47

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: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

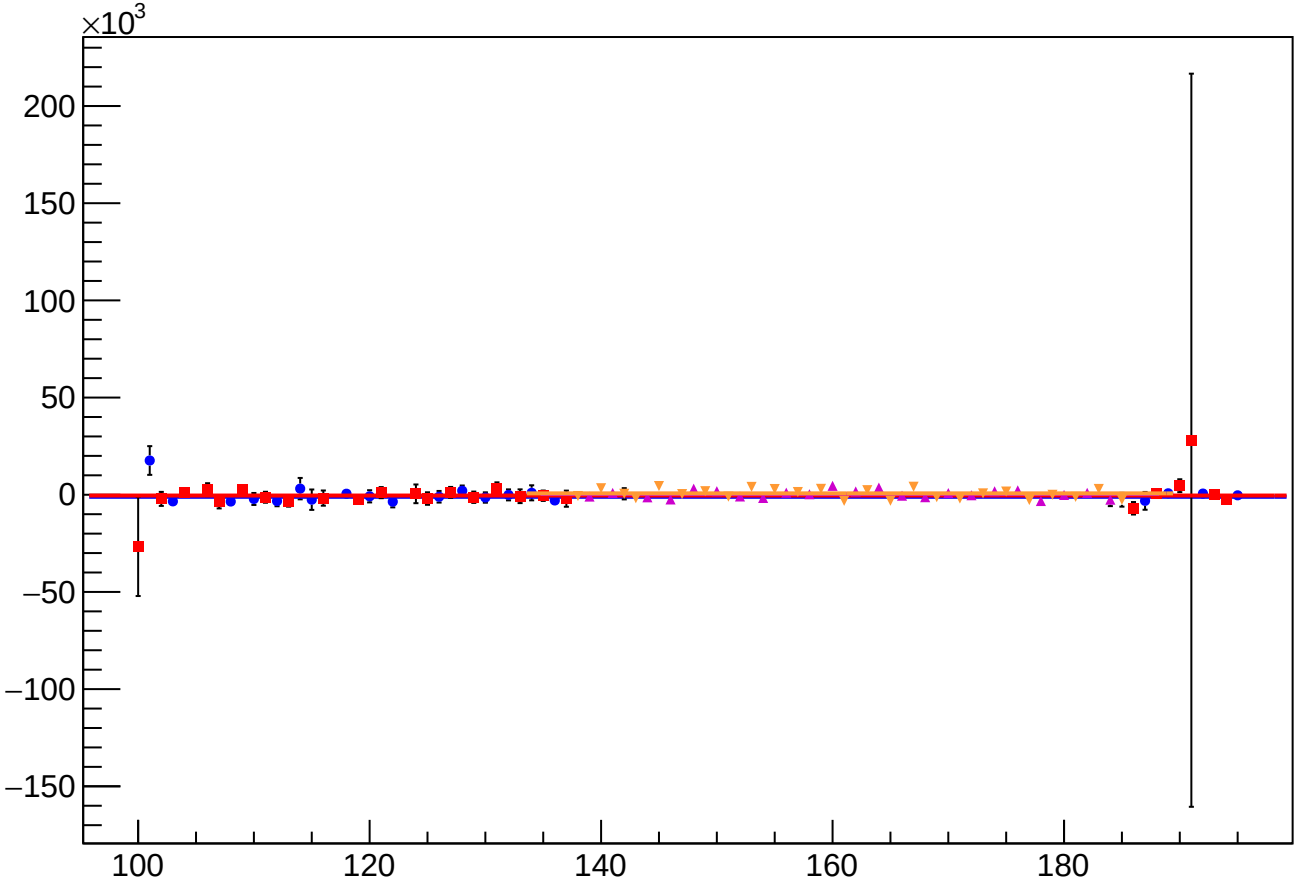
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4083.454+/-0.552 χ^2/NDF: 3069678.4/44

All: 4017.775+/-0.386 χ^2/NDF: 7656635.3/92

- sign 3954.850+/-0.541 χ^2/NDF: 4559282.3/47

eigen_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: -402.921+/-589.660 χ^2/NDF: 17.7/24

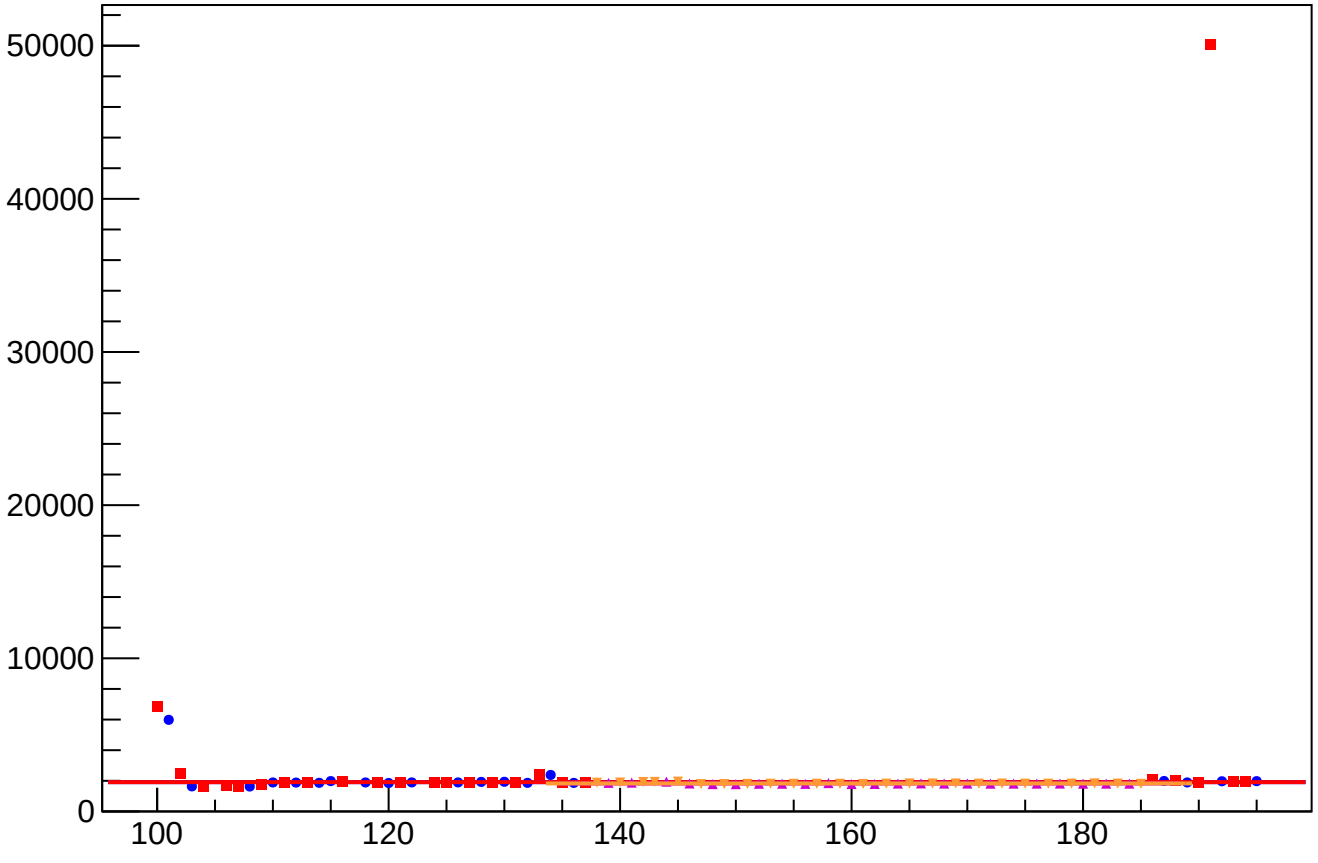
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign 163.886+/-345.496 χ^2/NDF: 52.7/44

All: 145.150+/-244.278 χ^2/NDF: 92.4/92

\- sign 126.421+/-345.426 χ^2/NDF: 39.7/47

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

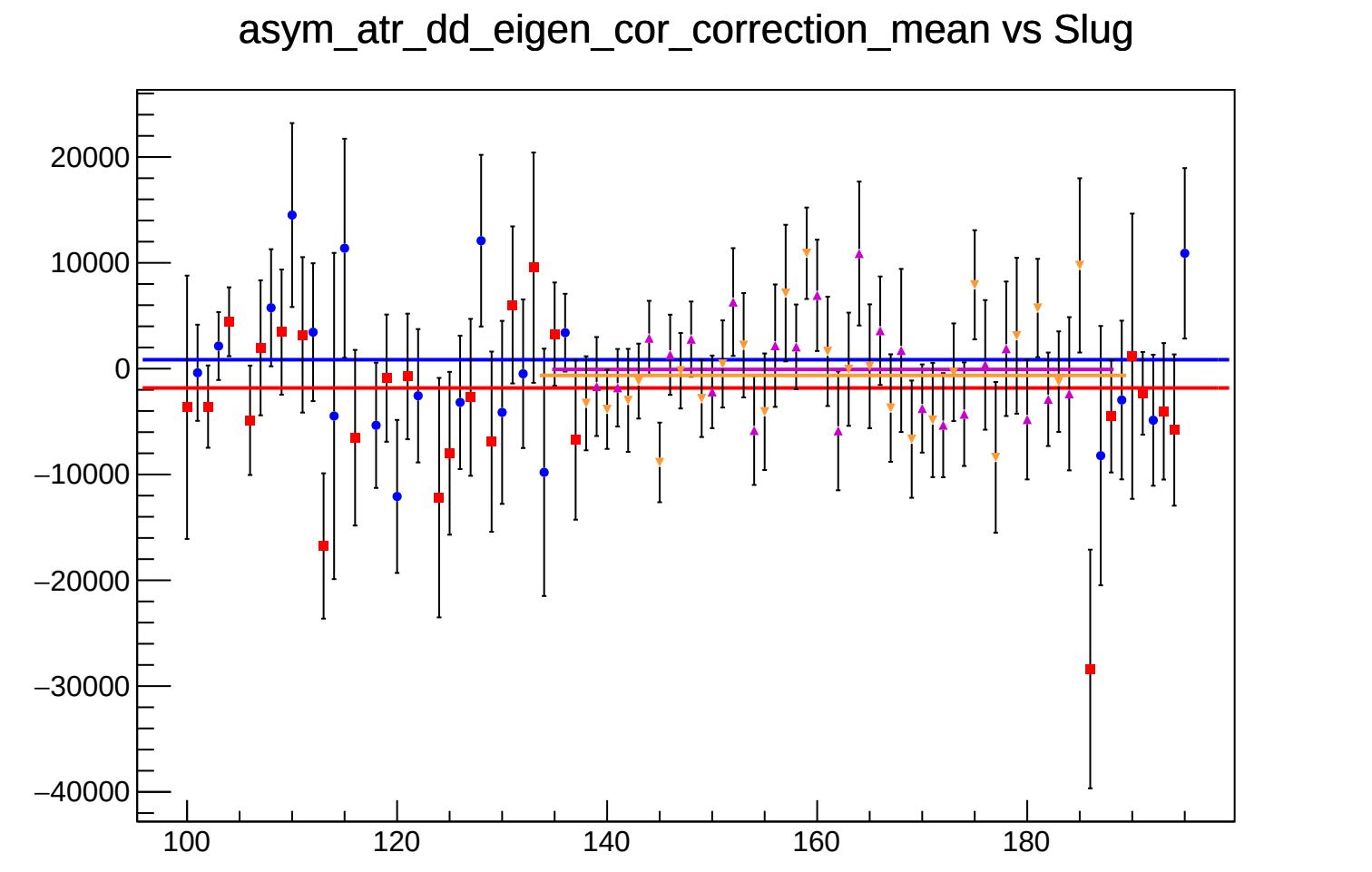
Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1854.741+/-0.244 χ^2/NDF: 748352.4/44

All: 1855.238+/-0.173 χ^2/NDF: 1168534.5/92

- sign 1855.734+/-0.244 χ^2/NDF: 420173.8/47



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: -1825.889+/-1222.432 χ^2/NDF: 22.9/24

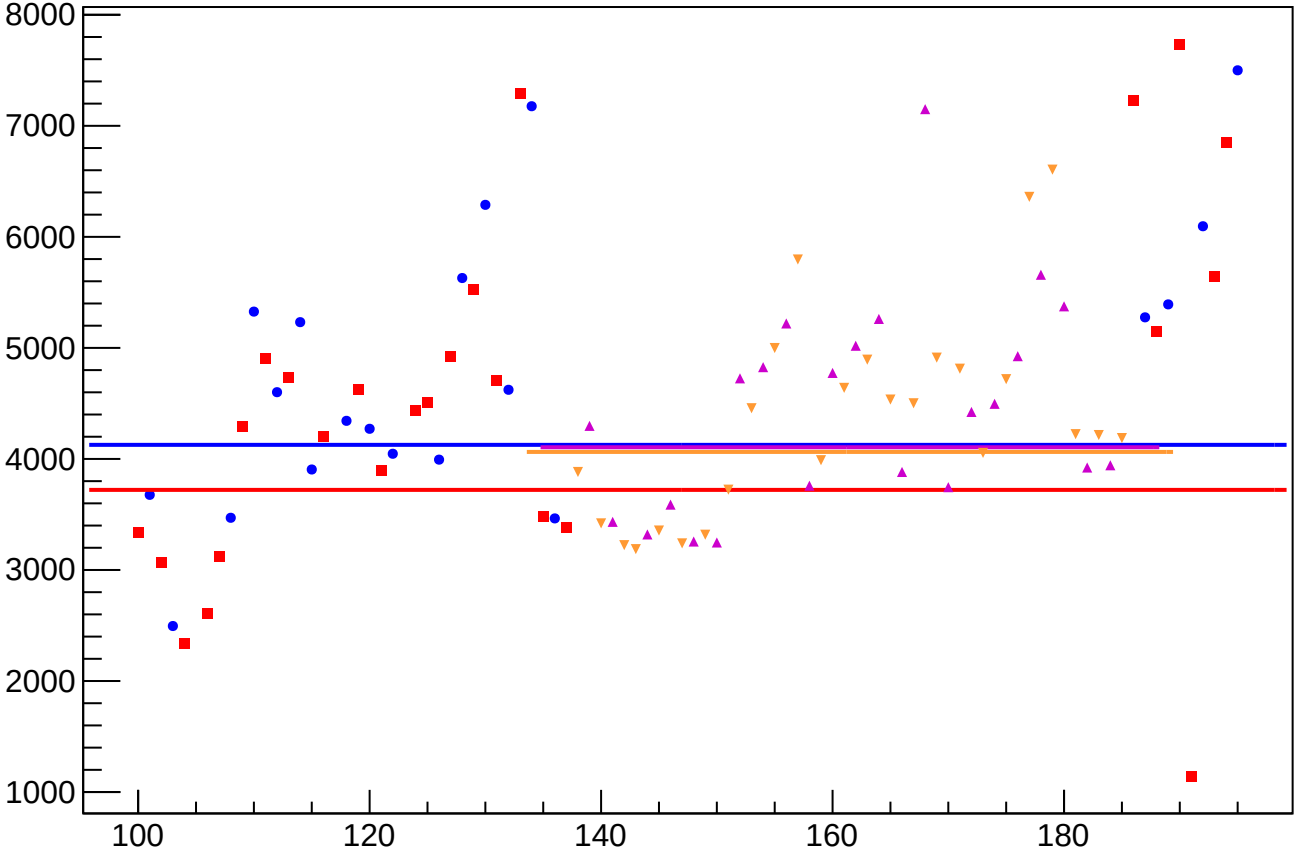
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -164.849+/-781.296 χ^2/NDF: 43.4/44

All: -469.159+/-546.512 χ^2/NDF: 83.2/92

- sign -760.709+/-764.739 χ^2/NDF: 39.6/47

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: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

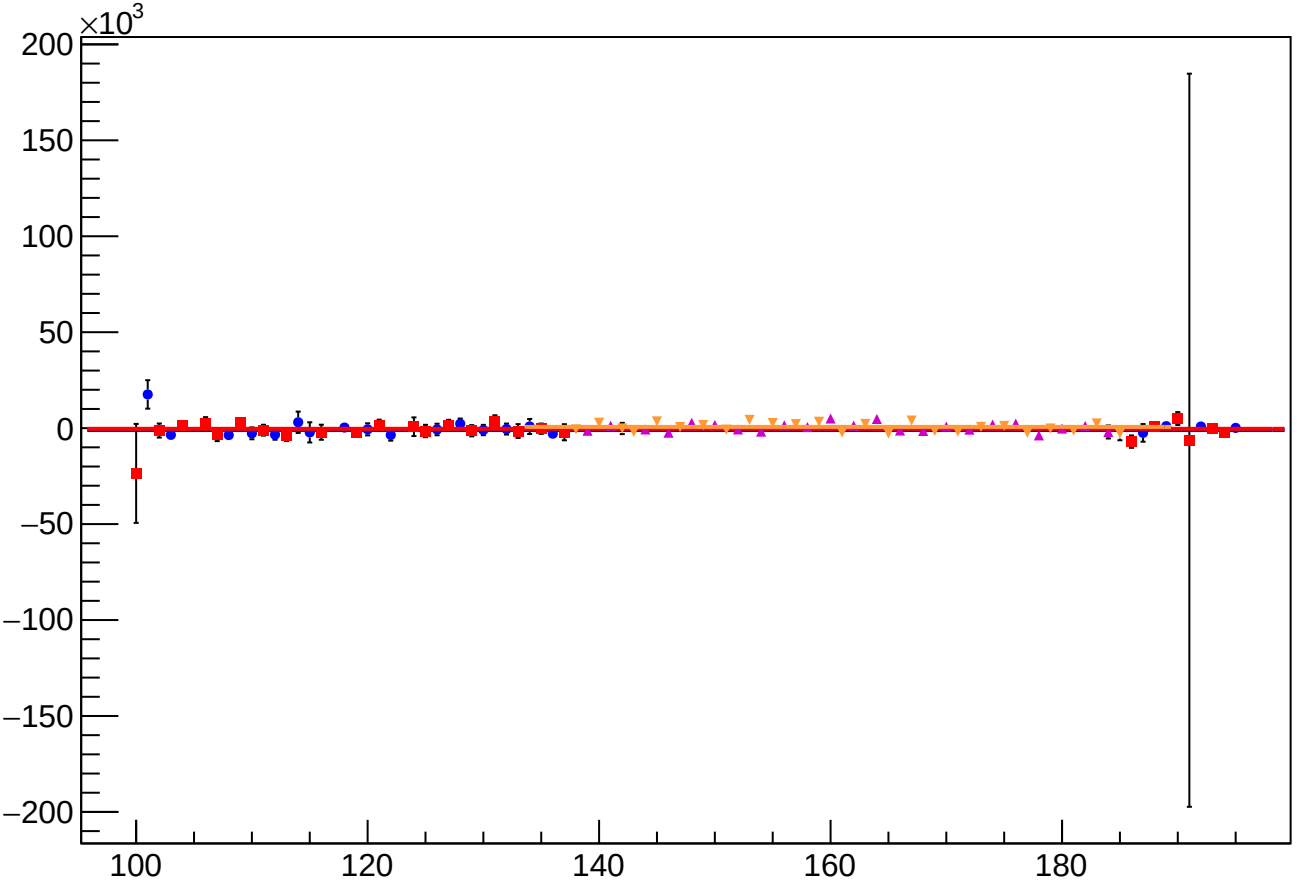
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4083.454+/-0.552 χ^2/NDF: 3069678.4/44

All: 4017.775+/-0.386 χ^2/NDF: 7656635.3/92

- sign 3954.850+/-0.541 χ^2/NDF: 4559282.3/47

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: -350.260+/-593.869 χ^2/NDF: 19.2/24

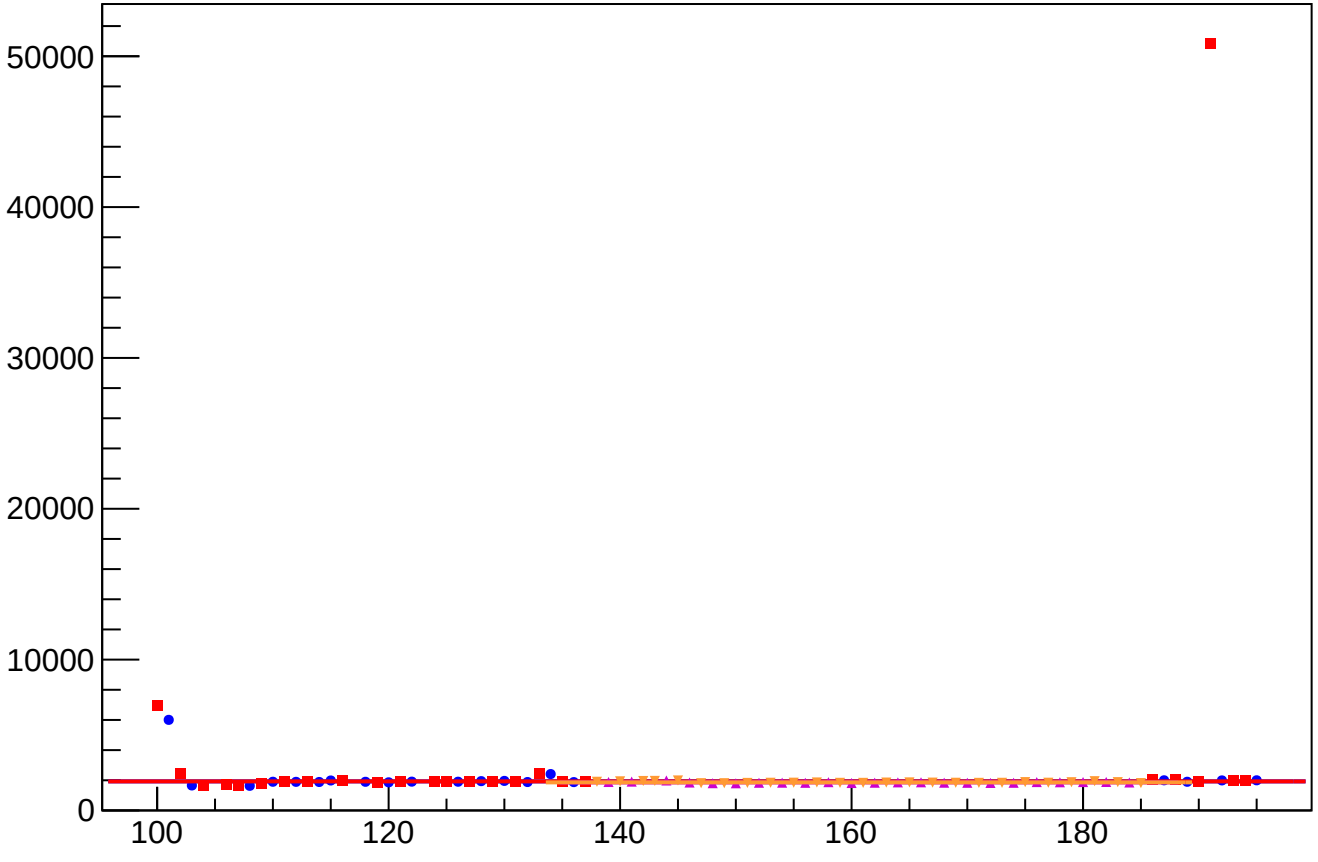
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.191+/-350.696 χ^2/NDF: 47.5/44

All: 146.098+/-247.849 χ^2/NDF: 91.4/92

- sign 146.005+/-350.327 χ^2/NDF: 43.9/47

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

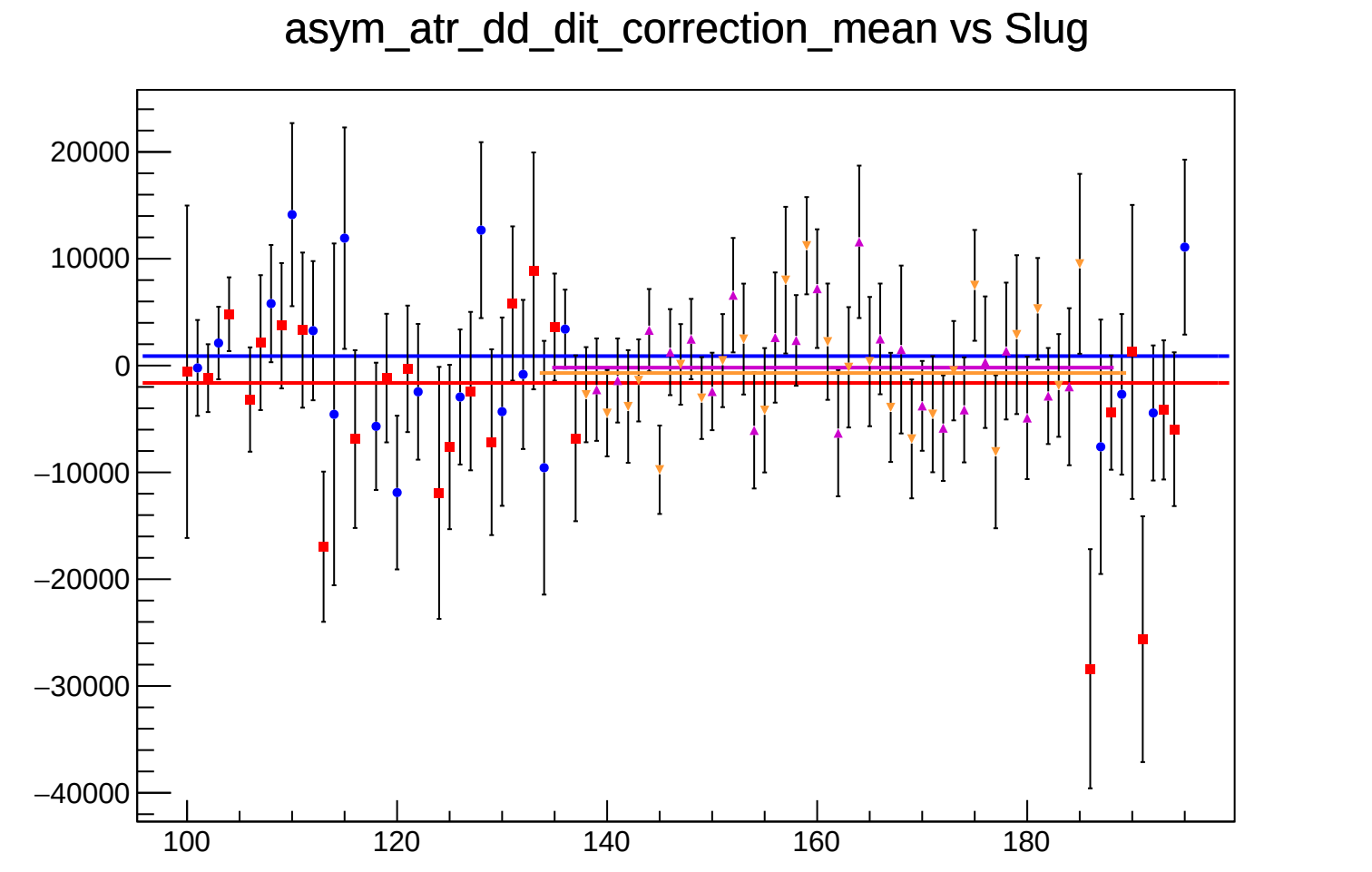
Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.7/24

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1882.622+/-0.248 χ^2/NDF: 743634.8/44

All: 1882.333+/-0.175 χ^2/NDF: 1158190.0/92

- sign 1882.045+/-0.248 χ^2/NDF: 414552.5/47



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: -1628.641+/-1259.056 χ^2/NDF: 26.6/24

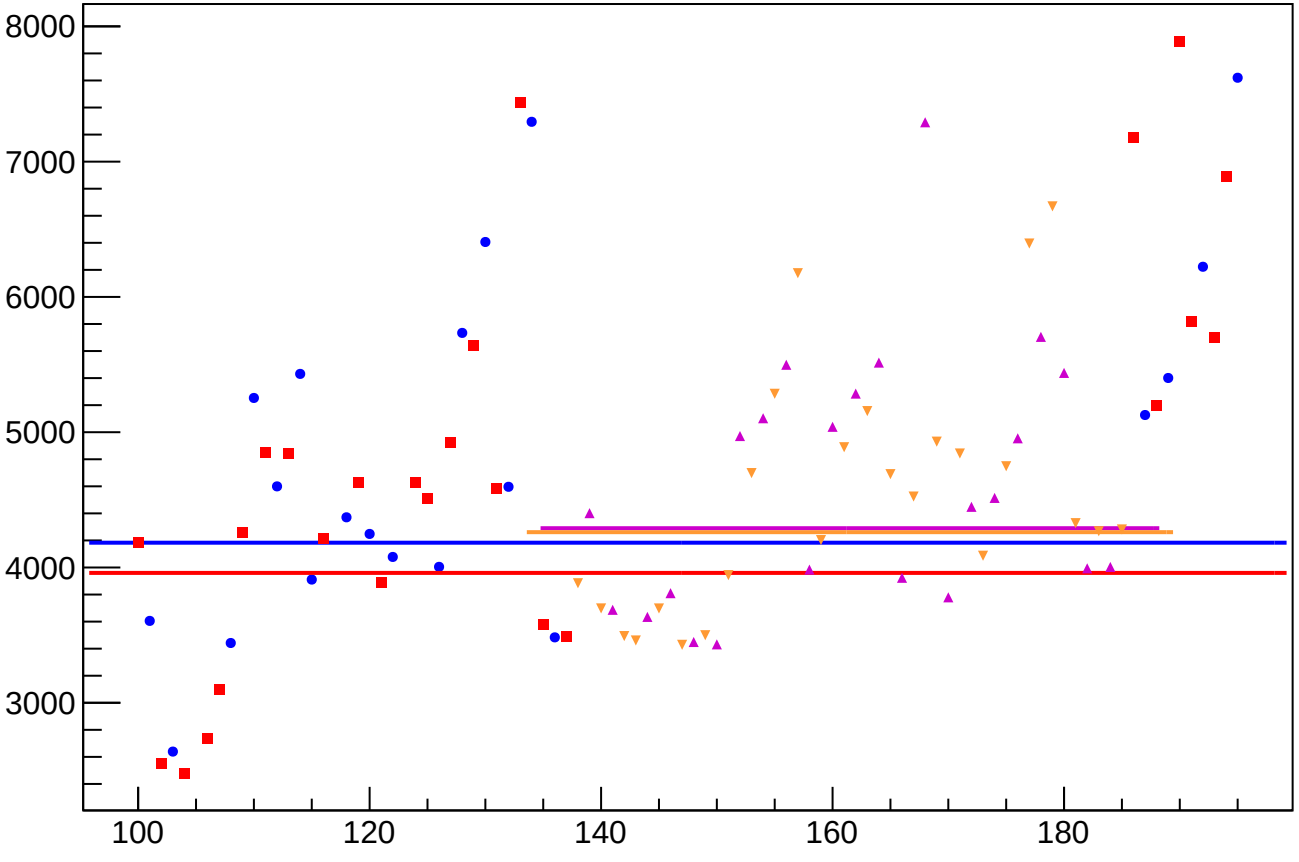
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -169.857+/-808.262 χ^2/NDF: 42.6/44

All: -471.929+/-566.313 χ^2/NDF: 85.5/92

- sign -763.223+/-793.711 χ^2/NDF: 42.6/47

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: 3960.007+/-0.890 χ^2/NDF: 2335101.6/24

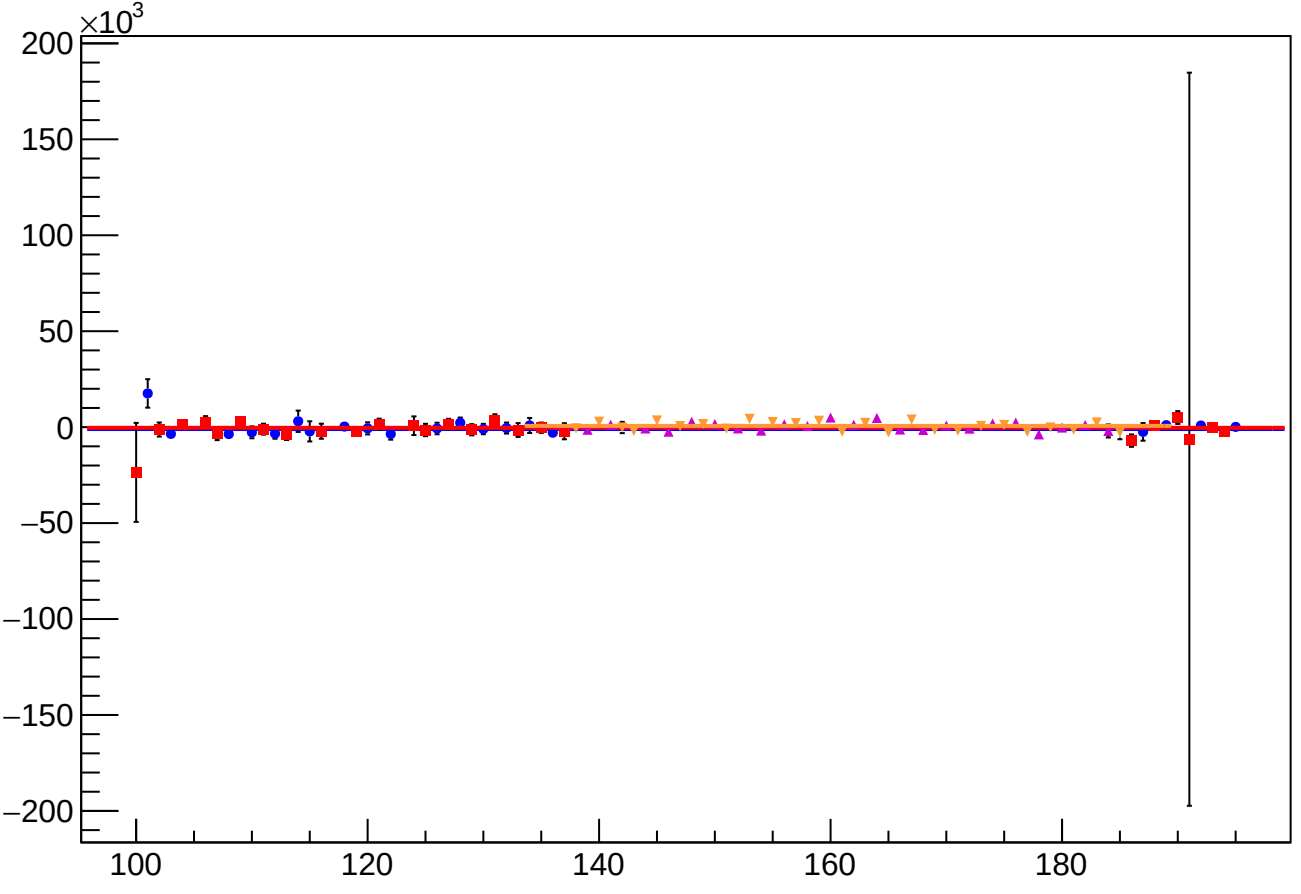
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4235.167+/-0.572 χ^2/NDF: 2774734.4/44

All: 4196.442+/-0.400 χ^2/NDF: 6415808.0/92

- sign 4159.099+/-0.561 χ^2/NDF: 3632055.3/47

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: -350.255+/-593.869 χ^2/NDF: 19.2/24

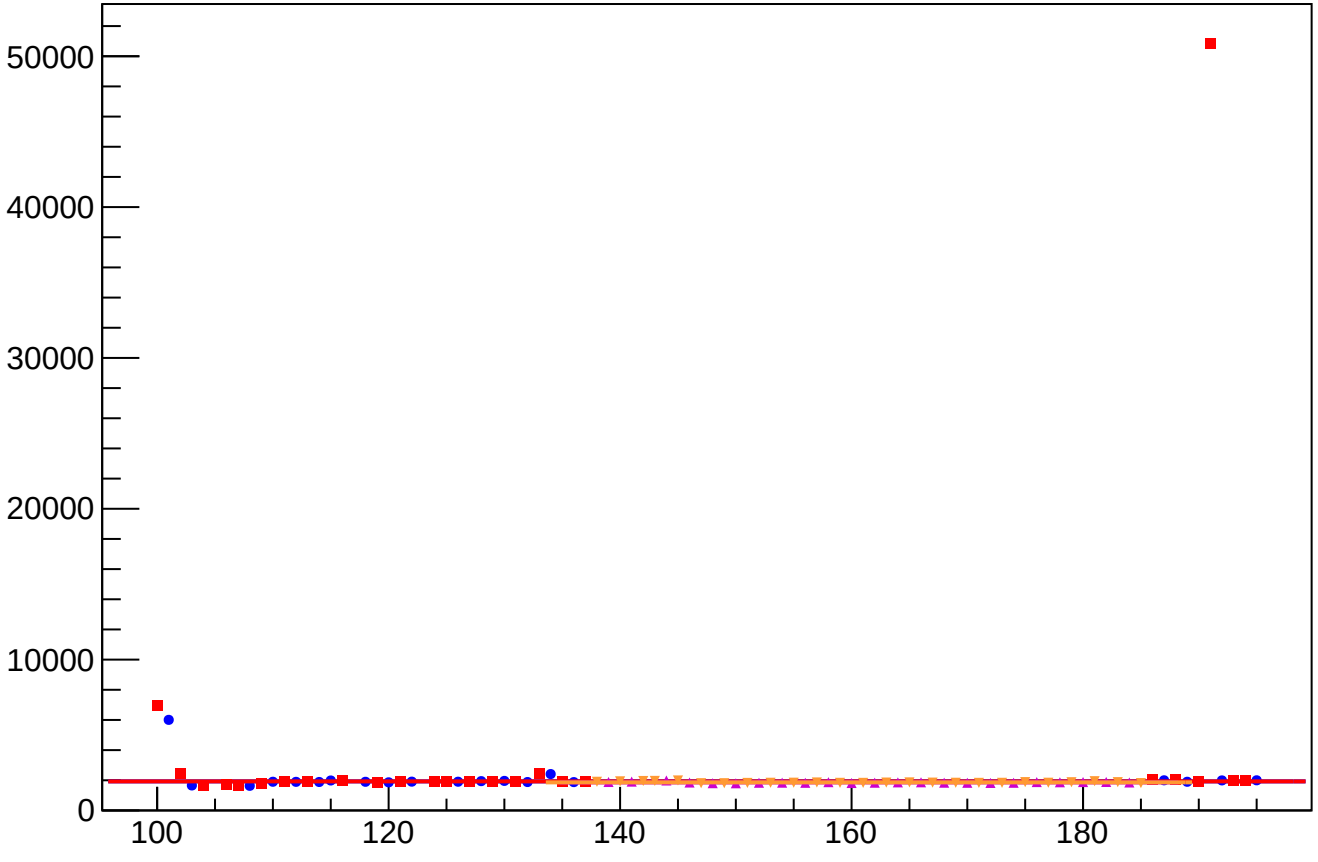
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.194+/-350.696 χ^2/NDF: 47.5/44

All: 146.100+/-247.849 χ^2/NDF: 91.4/92

- sign 146.006+/-350.327 χ^2/NDF: 43.9/47

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

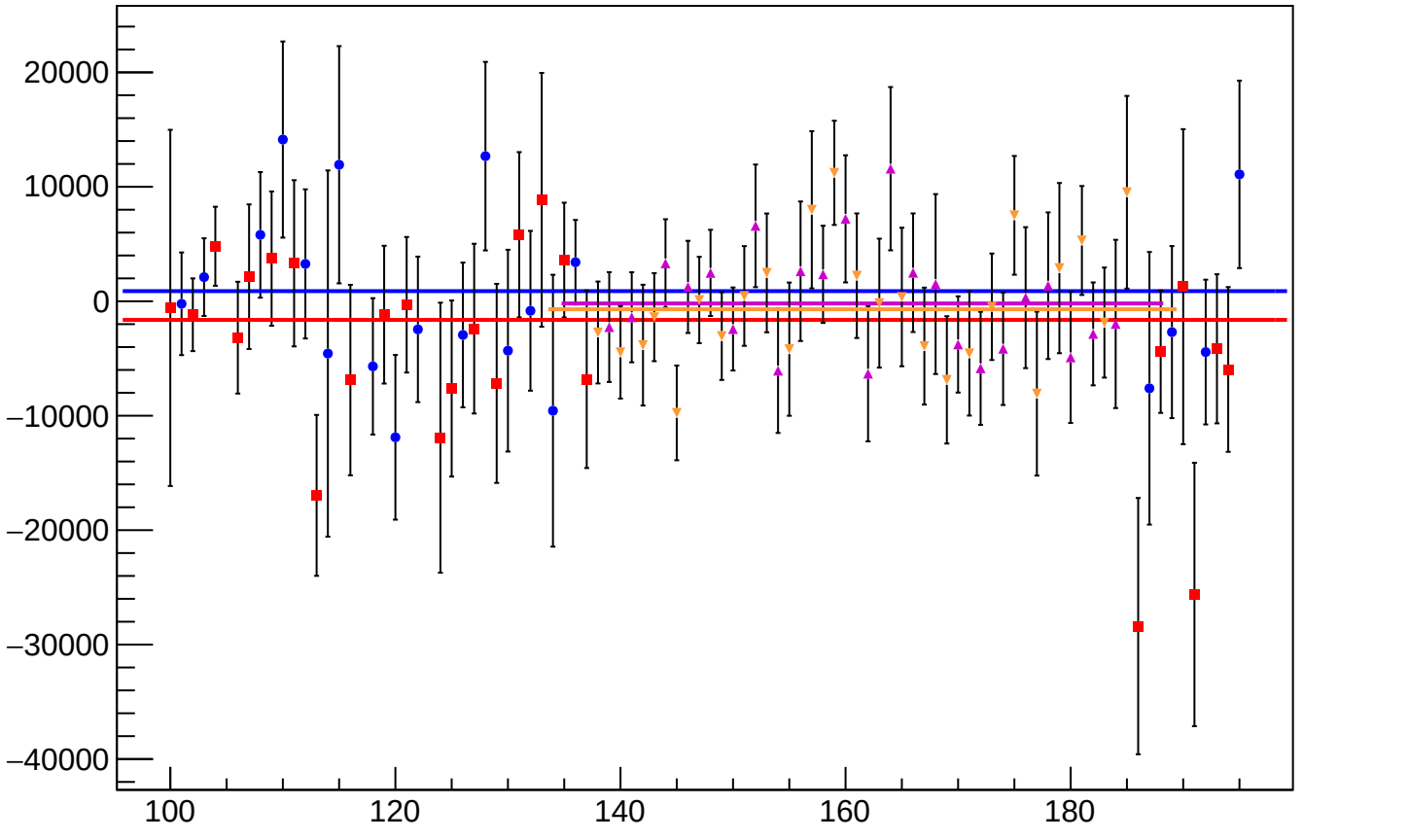
Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.8/24

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1882.622+/-0.248 χ^2/NDF: 743634.3/44

All: 1882.333+/-0.175 χ^2/NDF: 1158189.2/92

- sign 1882.045+/-0.248 χ^2/NDF: 414552.1/47



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: -1628.639+/-1259.055 χ^2/NDF: 26.6/24

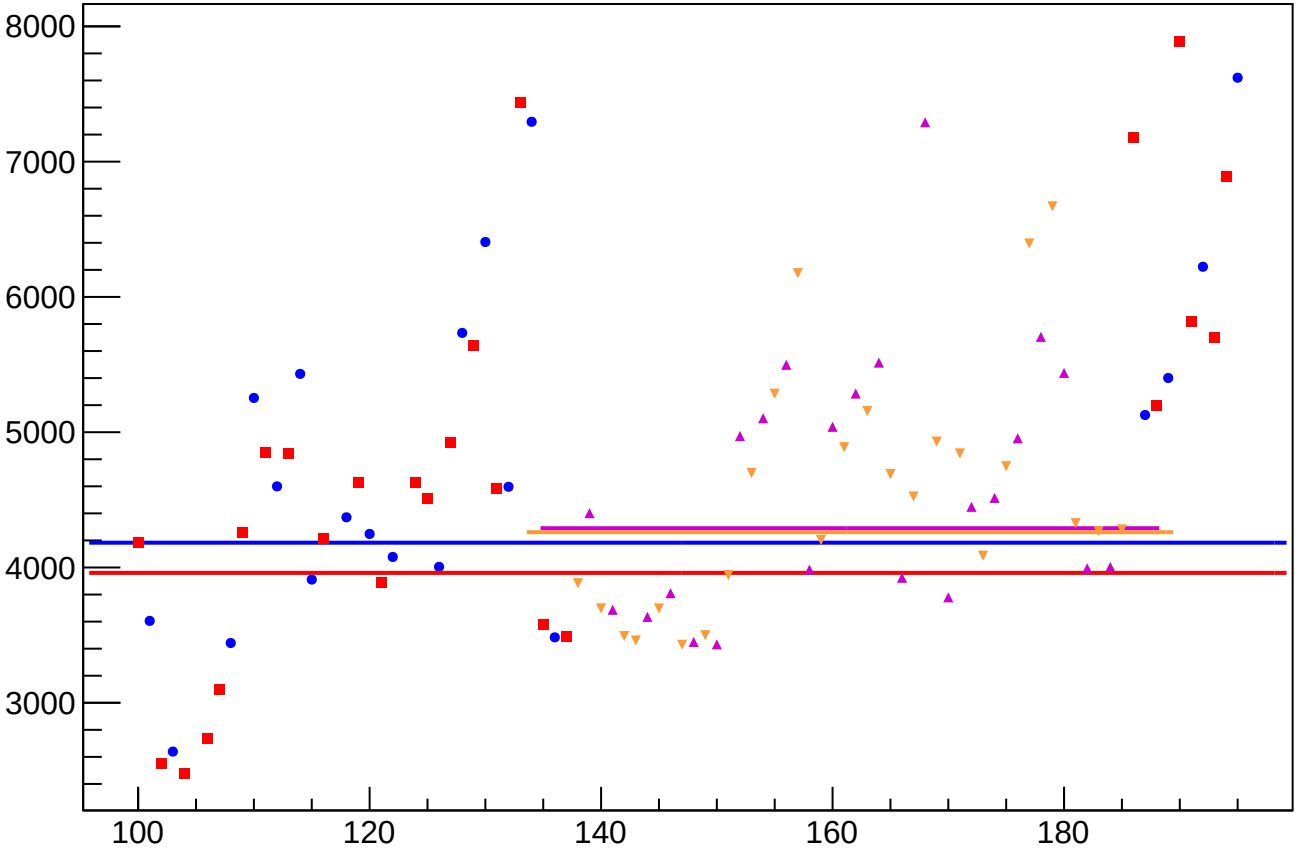
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -169.859+/-808.263 χ^2/NDF: 42.6/44

All: -471.931+/-566.314 χ^2/NDF: 85.5/92

- sign -763.225+/-793.712 χ^2/NDF: 42.6/47

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: 3960.004+/-0.890 χ^2/NDF: 2335094.5/24

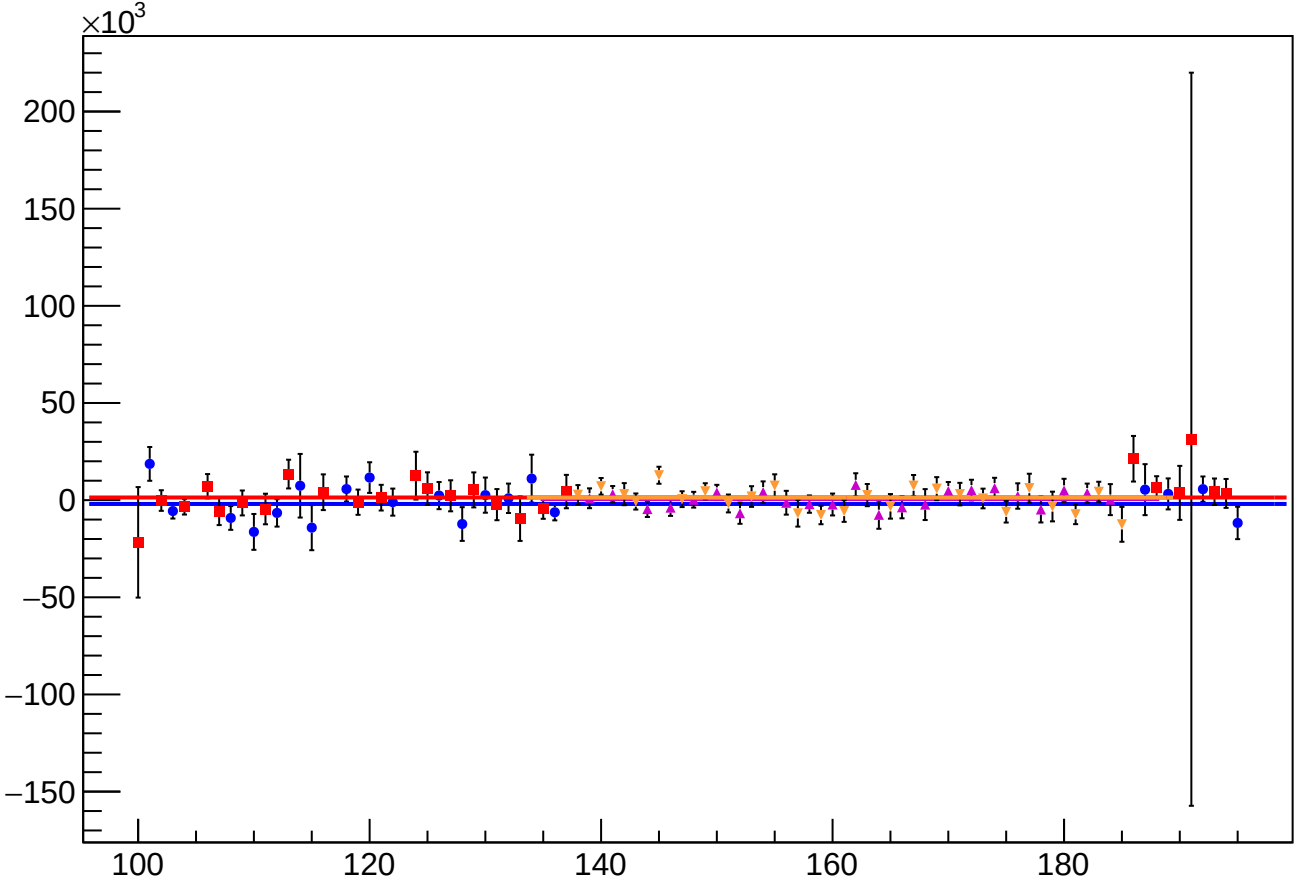
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4235.171+/-0.572 χ^2/NDF: 2774733.4/44

All: 4196.445+/-0.400 χ^2/NDF: 6415810.8/92

- sign 4159.101+/-0.561 χ^2/NDF: 3632058.7/47

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: 1366.035+/-1470.787 χ^2/NDF: 15.2/24

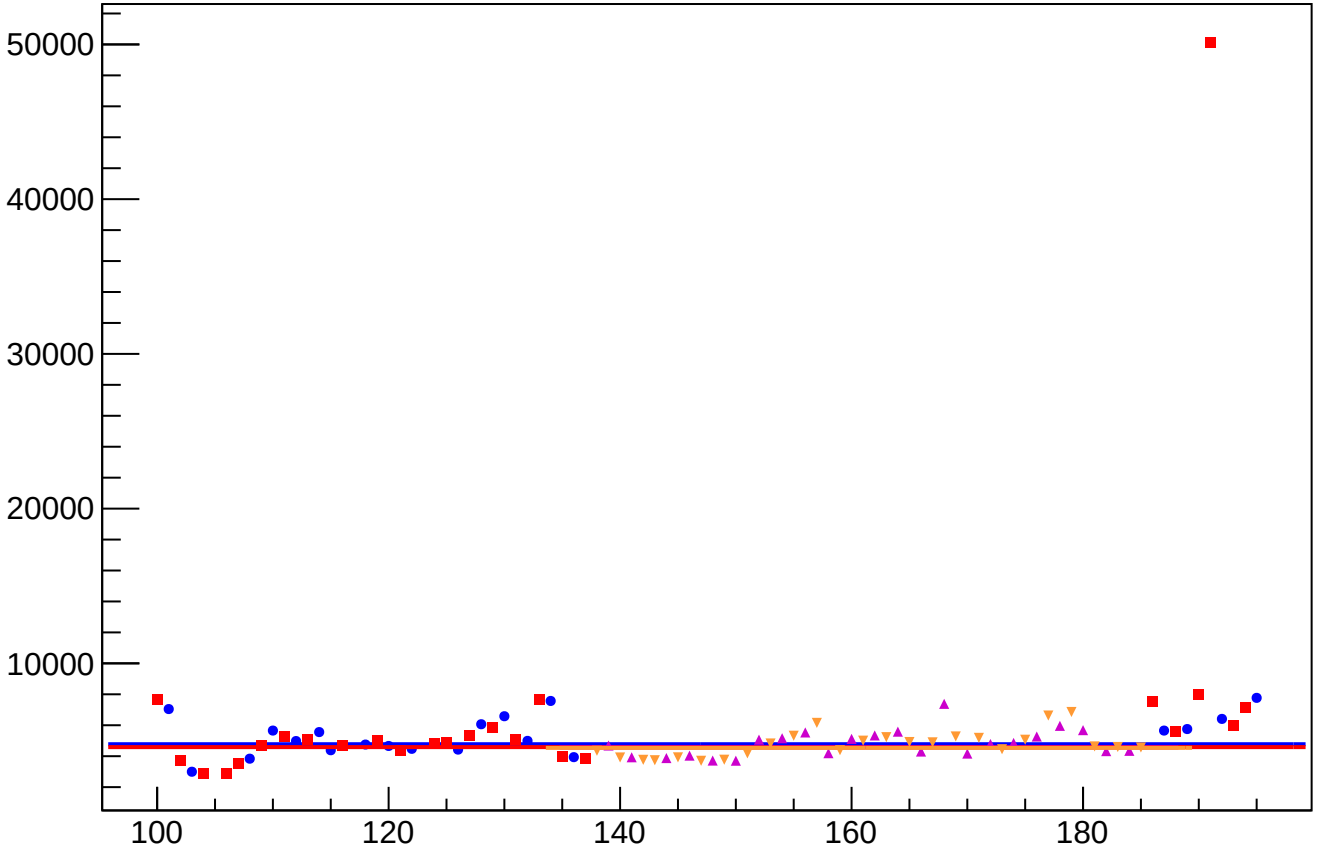
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 304.574+/-875.231 χ^2/NDF: 55.8/44

All: 580.296+/-617.604 χ^2/NDF: 85.8/92

- sign 853.753+/-871.628 χ^2/NDF: 29.8/47

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

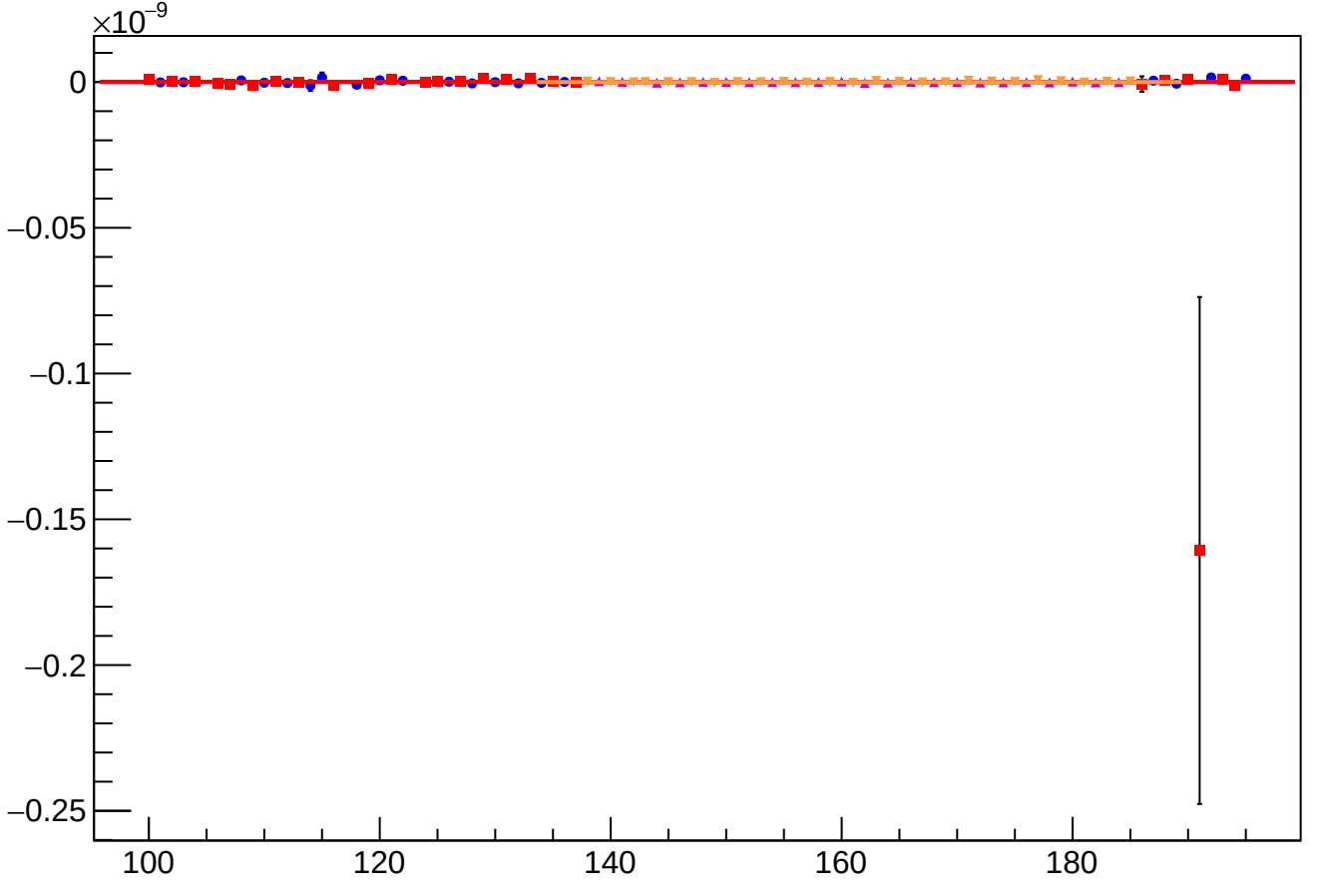
Right Out: 4586.179+/-1.033 χ^2/NDF: 1706347.8/24

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4609.873+/-0.619 χ^2/NDF: 2400769.7/44

All: 4589.606+/-0.436 χ^2/NDF: 5089848.4/92

- sign 4569.602+/-0.615 χ^2/NDF: 2686947.9/47



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: 30.1/24

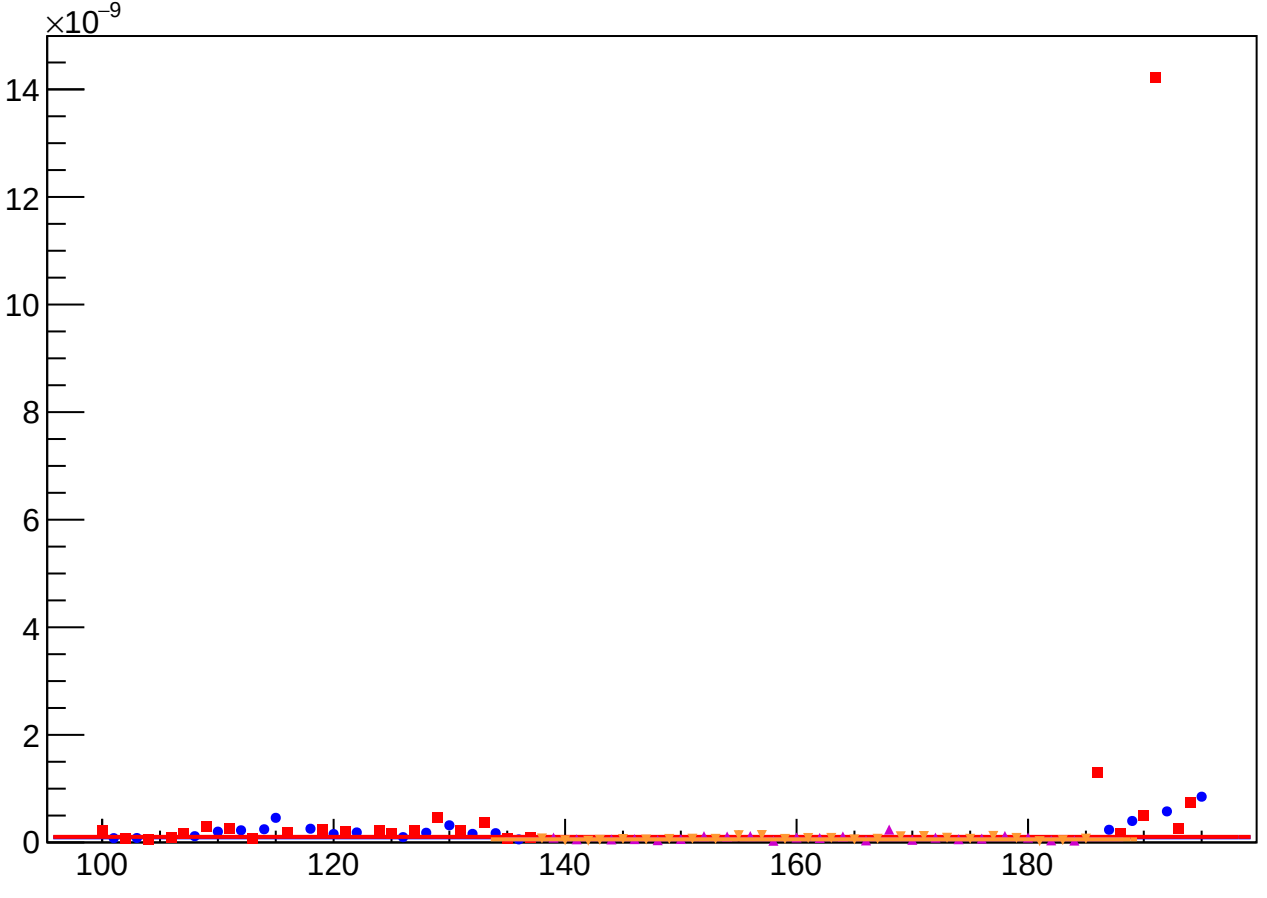
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/44

All: -0.000+/-0.000 χ^2/NDF: 108.1/92

- sign -0.000+/-0.000 χ^2/NDF: 52.3/47

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2656850.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3274279.4/24

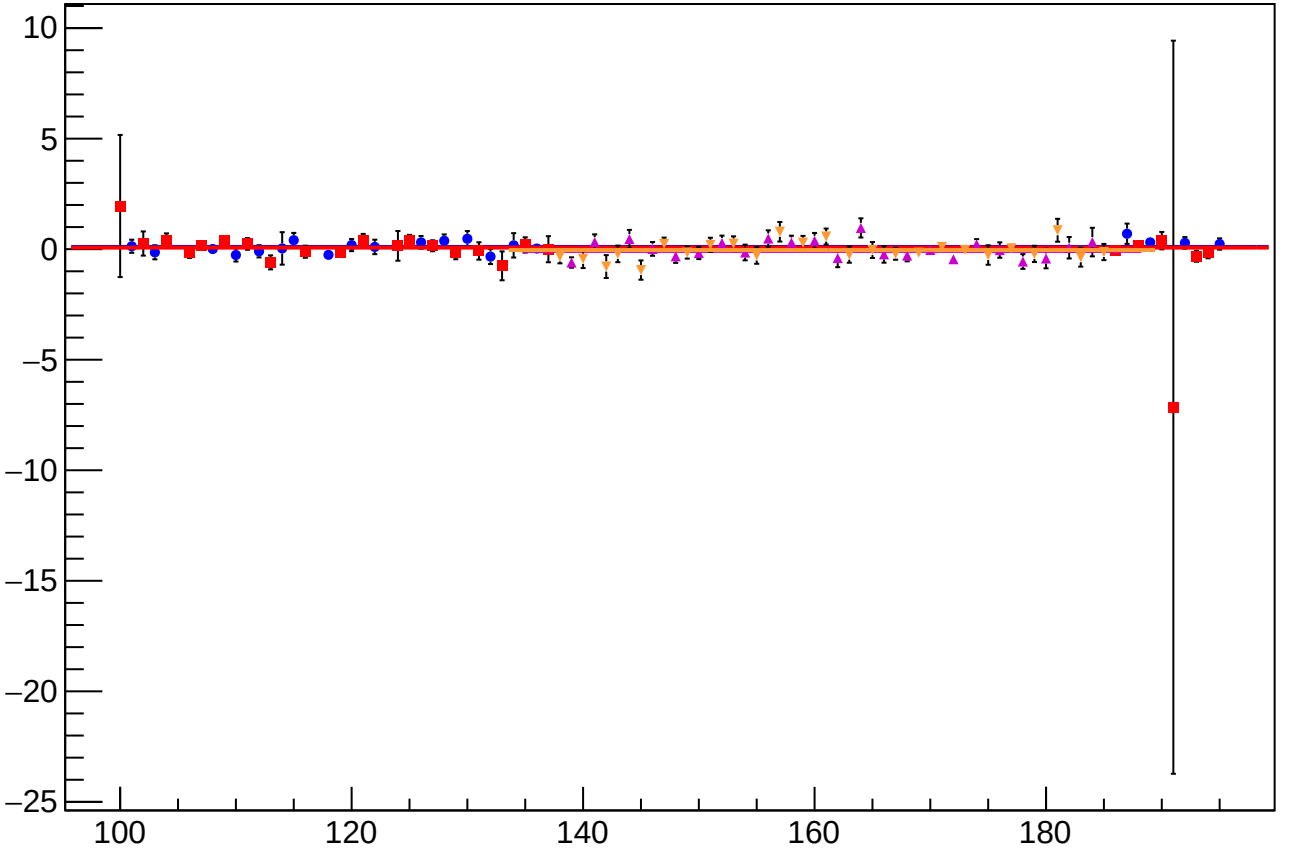
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5212356.5/44

All: 0.000+/-0.000 χ^2/NDF: 11403599.9/92

- sign 0.000+/-0.000 χ^2/NDF: 6186745.9/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

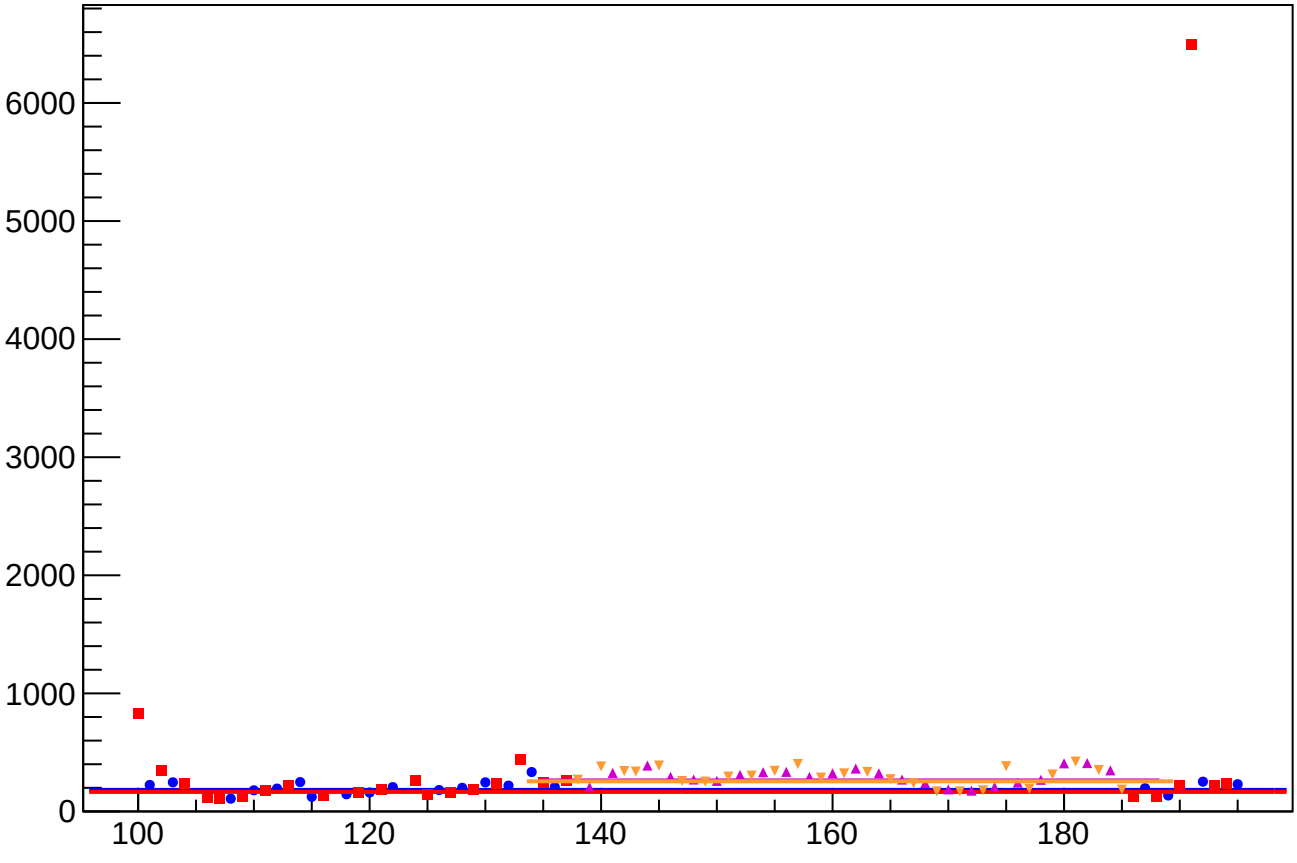
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.020+/-0.030 χ^2/NDF: 99.2/92

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

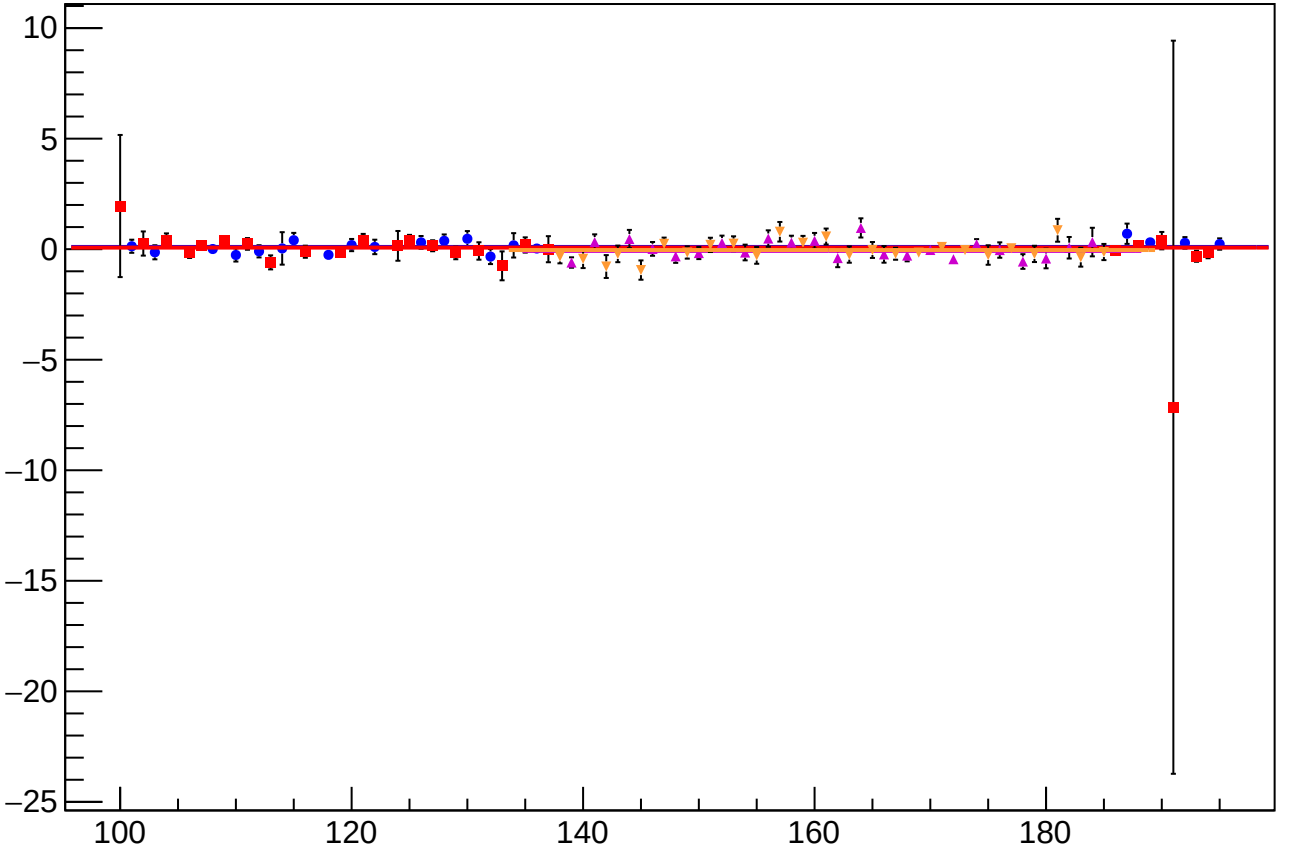
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.938+/-0.031 χ^2/NDF: 5570164.7/44

All: 212.158+/-0.021 χ^2/NDF: 12530863.6/92

- sign 205.958+/-0.030 χ^2/NDF: 6868763.7/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

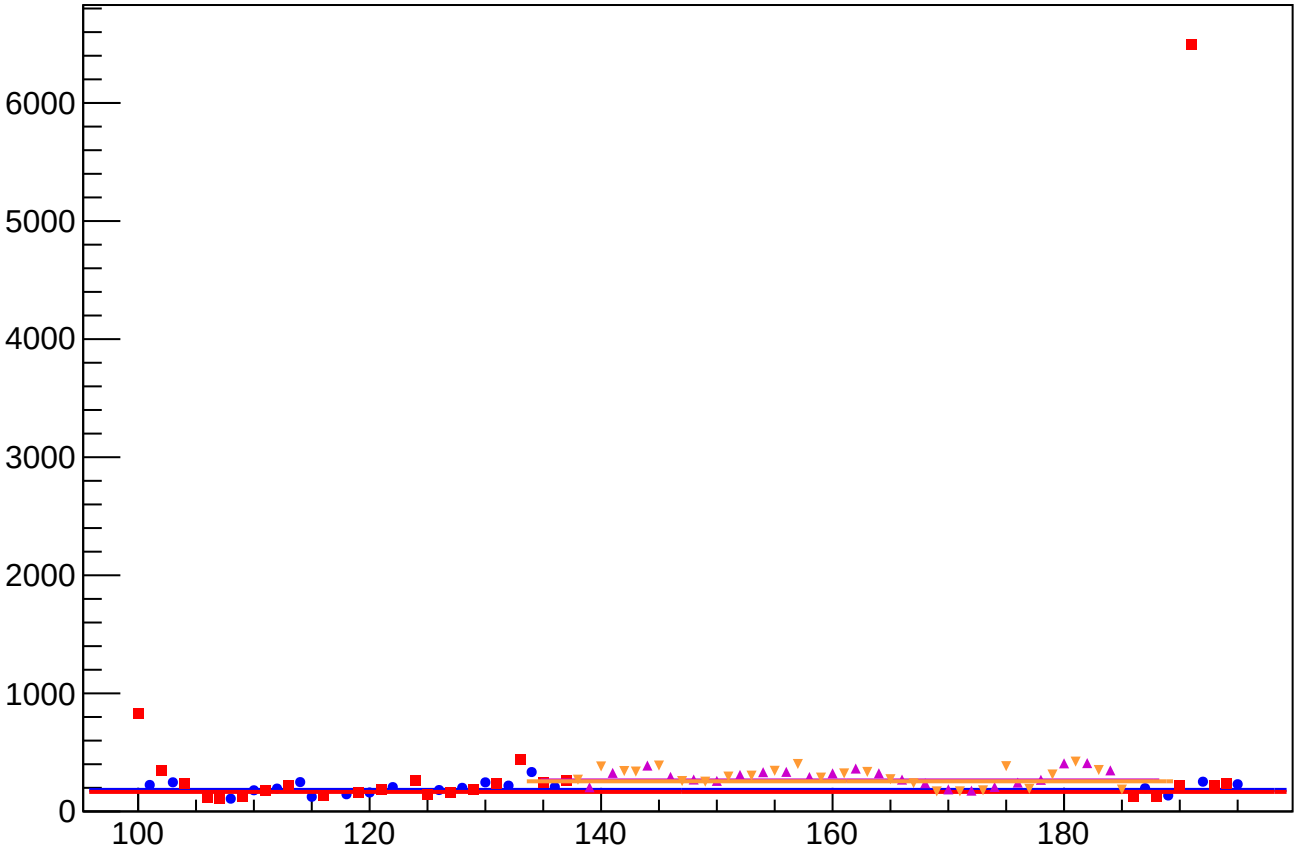
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.020+/-0.030 χ^2/NDF: 99.2/92

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

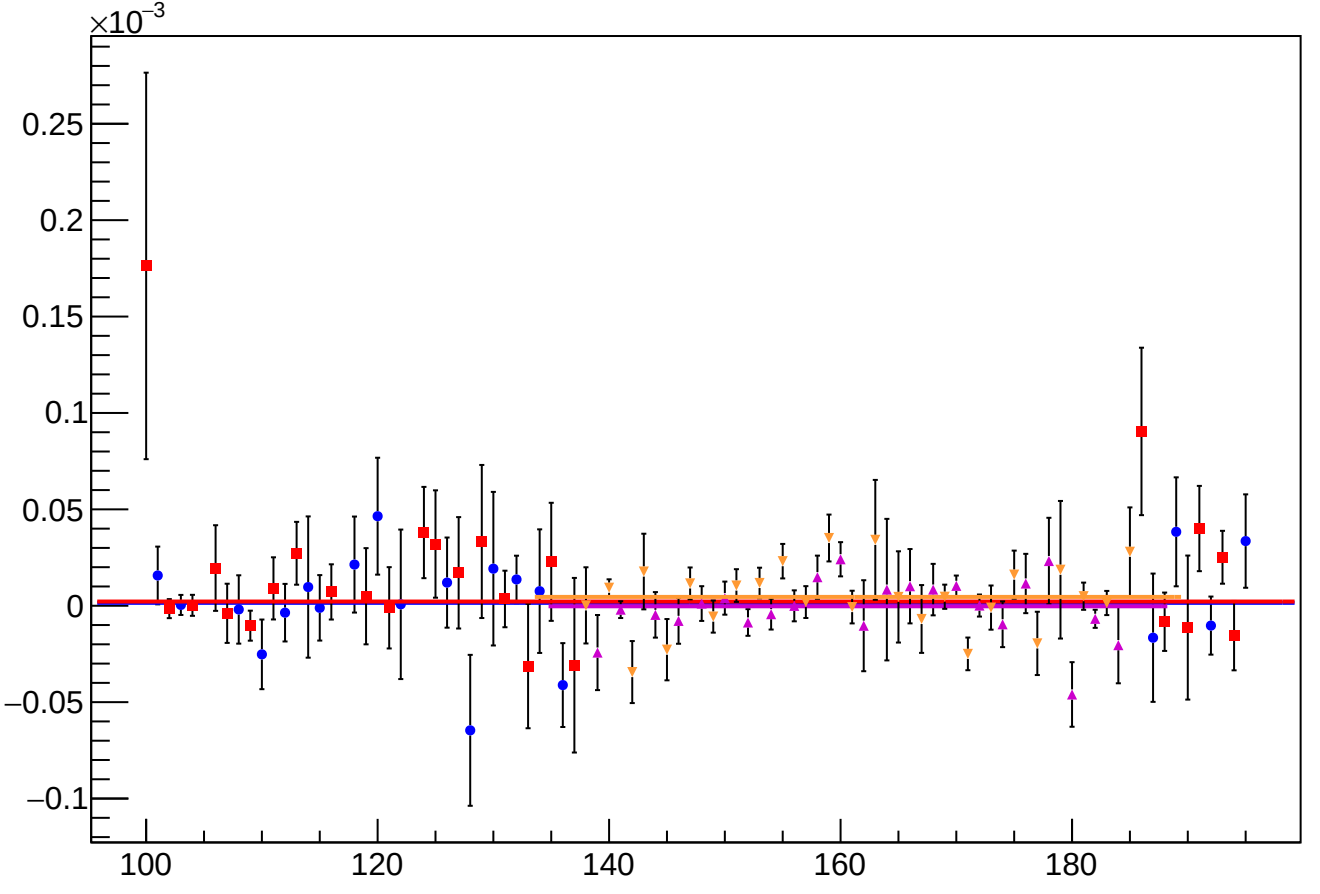
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.938+/-0.031 χ^2/NDF: 5570164.7/44

All: 212.158+/-0.021 χ^2/NDF: 12530863.6/92

- sign 205.958+/-0.030 χ^2/NDF: 6868763.7/47

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

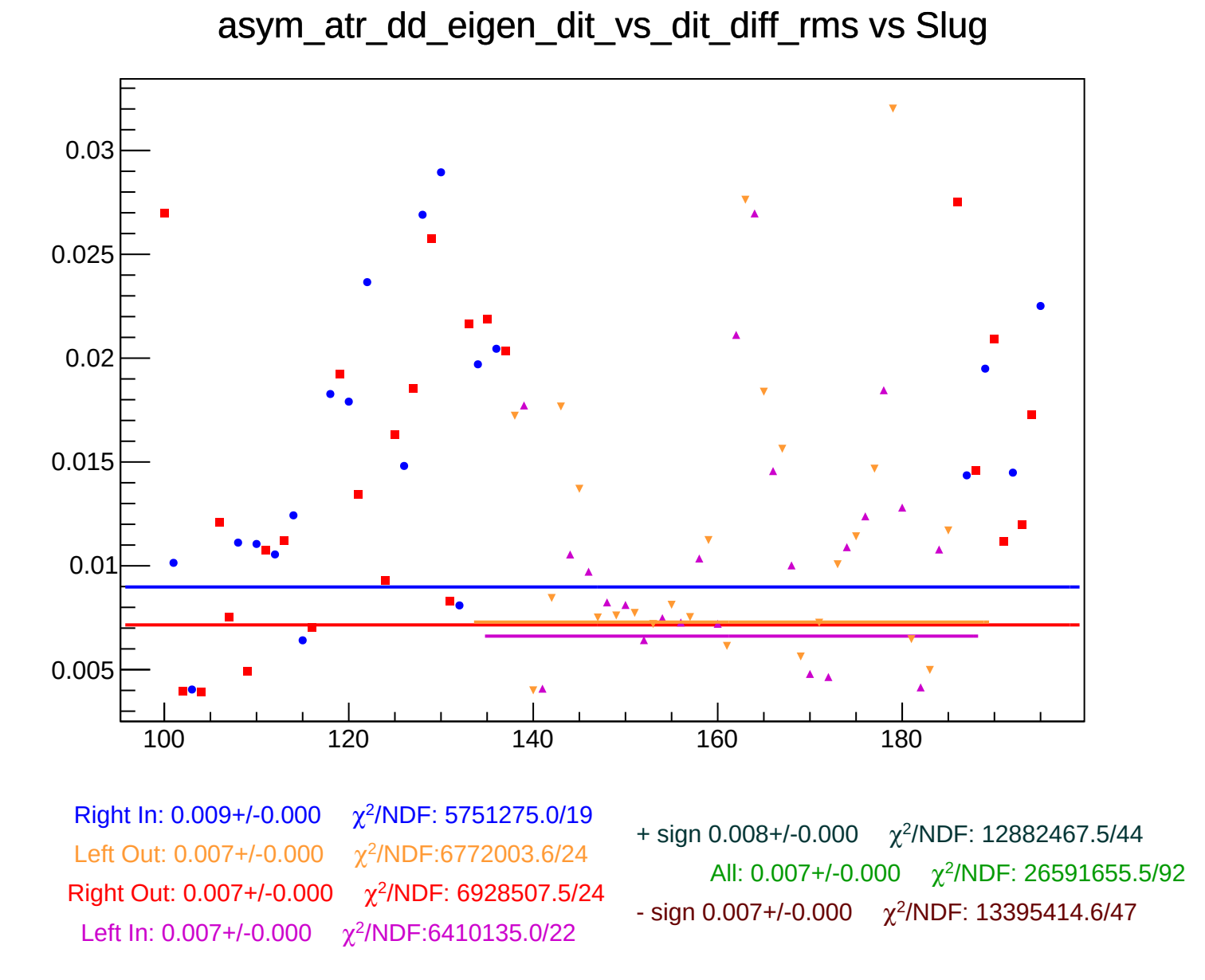
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

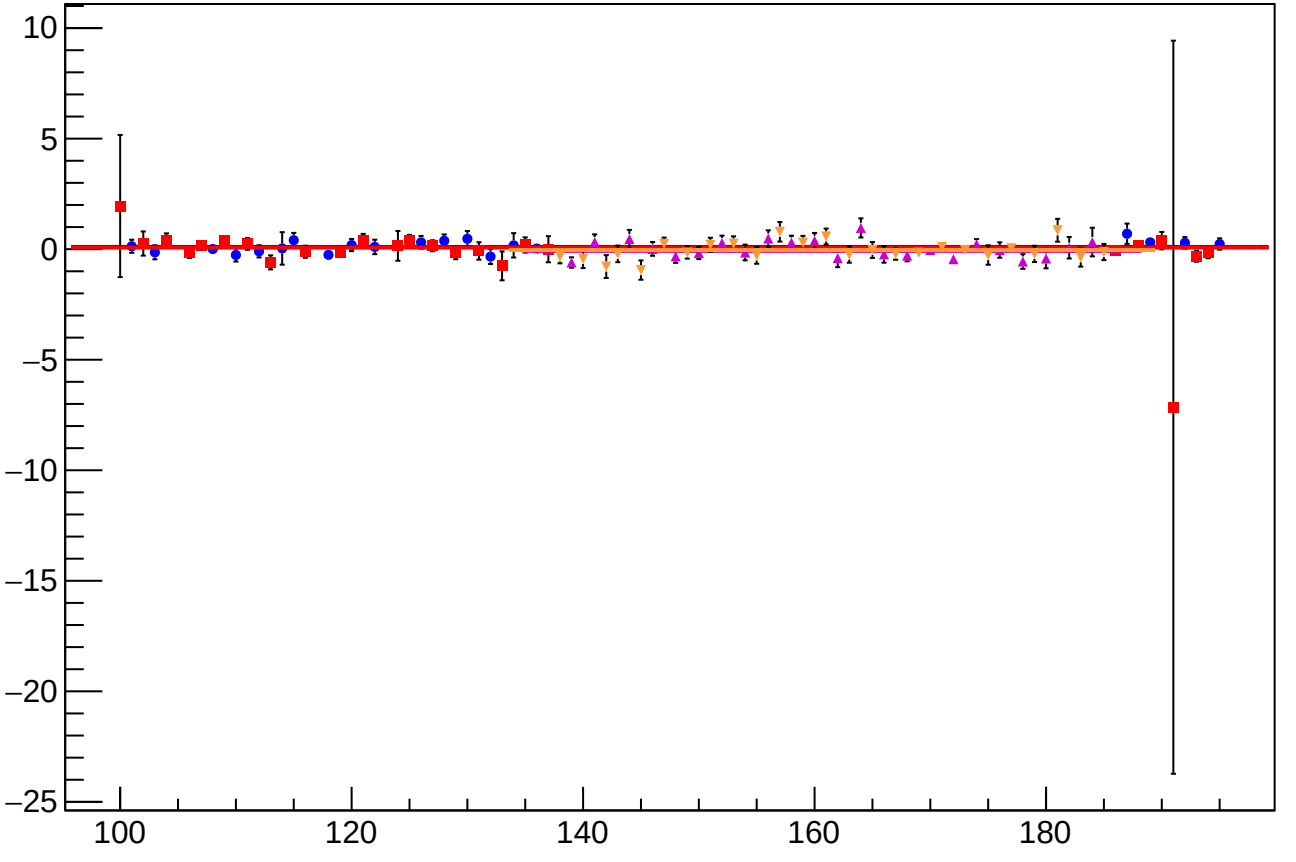
+ sign 0.000+/-0.000 χ^2/NDF: 62.6/44

All: 0.000+/-0.000 χ^2/NDF: 124.4/92

- sign 0.000+/-0.000 χ^2/NDF: 59.4/47


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
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: 6928507.5/24
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: 26591655.5/92
- sign 0.007+/-0.000 χ²/NDF: 13395414.6/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

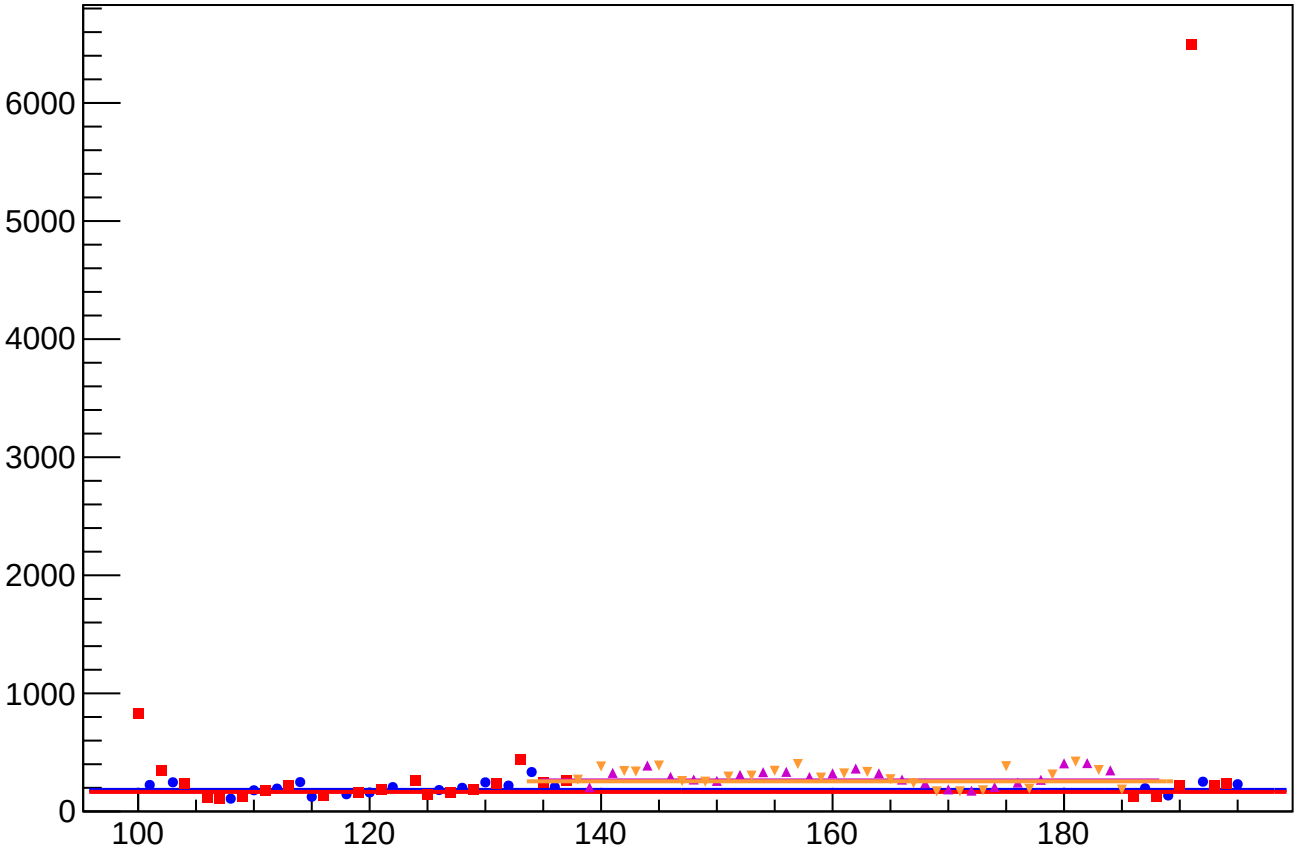
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.020+/-0.030 χ^2/NDF: 99.2/92

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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

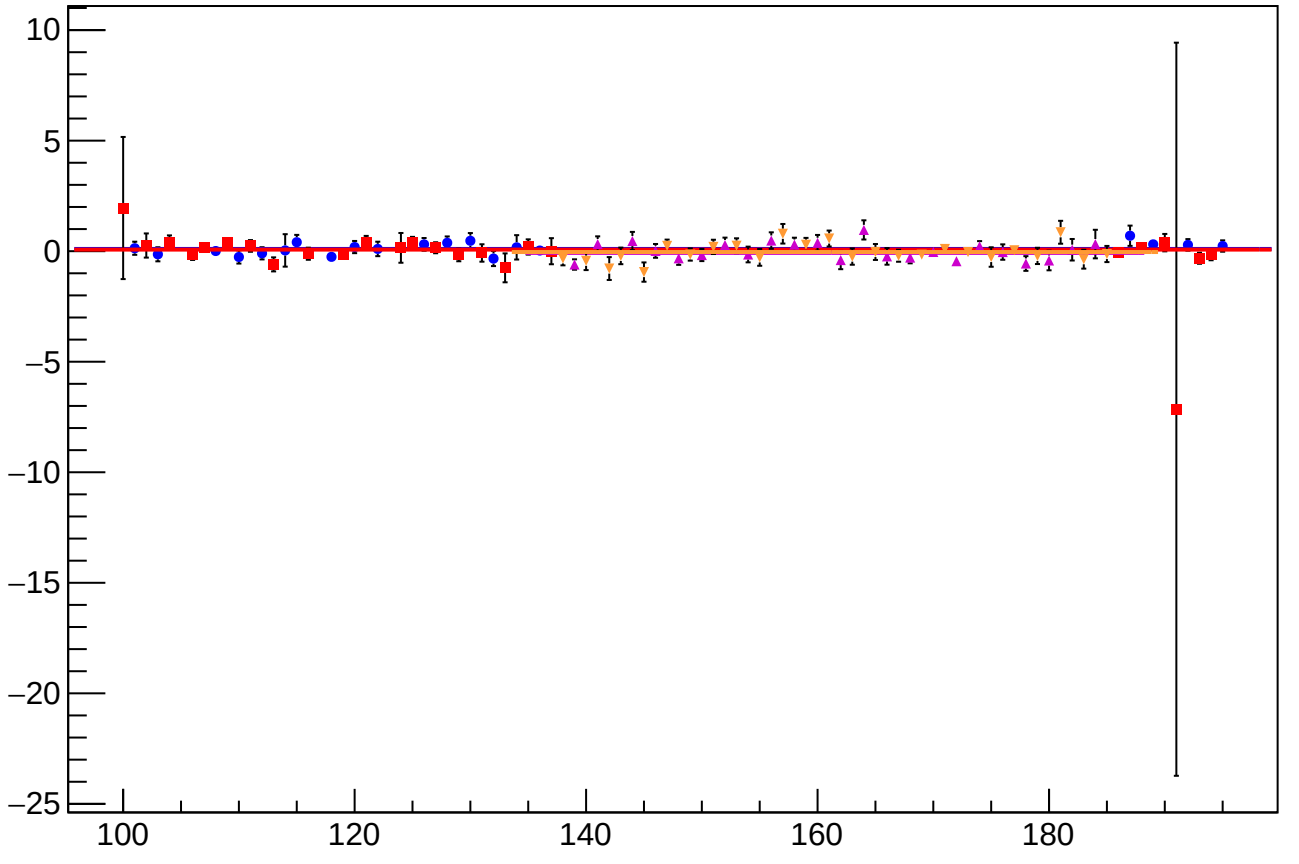
Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.939+/-0.031 χ^2/NDF: 5570324.3/44

All: 212.159+/-0.021 χ^2/NDF: 12531000.1/92

- sign 205.960+/-0.030 χ^2/NDF: 6868759.2/47



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: 0.072+/-0.055 χ^2/NDF: 22.9/24

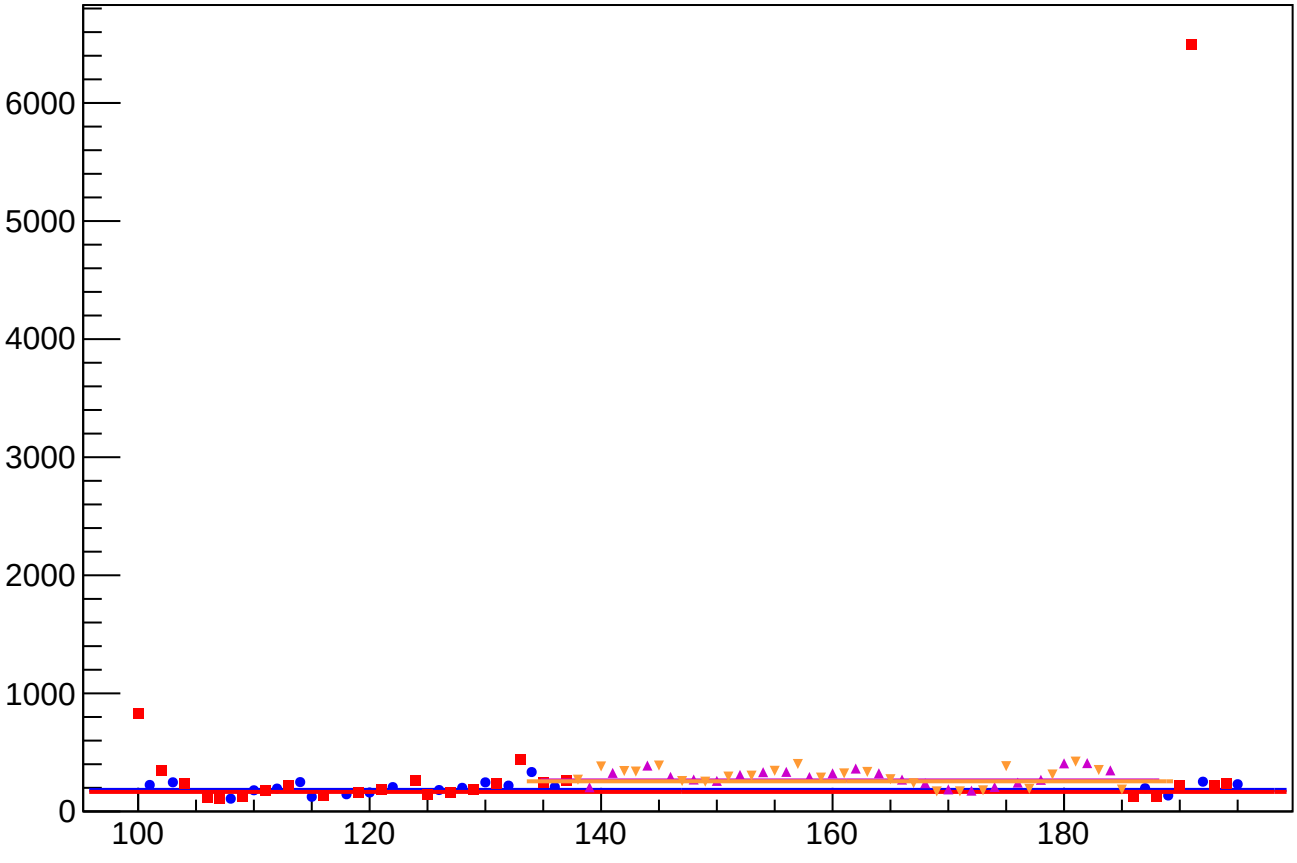
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.031+/-0.044 χ^2/NDF: 41.9/44

All: 0.020+/-0.030 χ^2/NDF: 99.2/92

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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

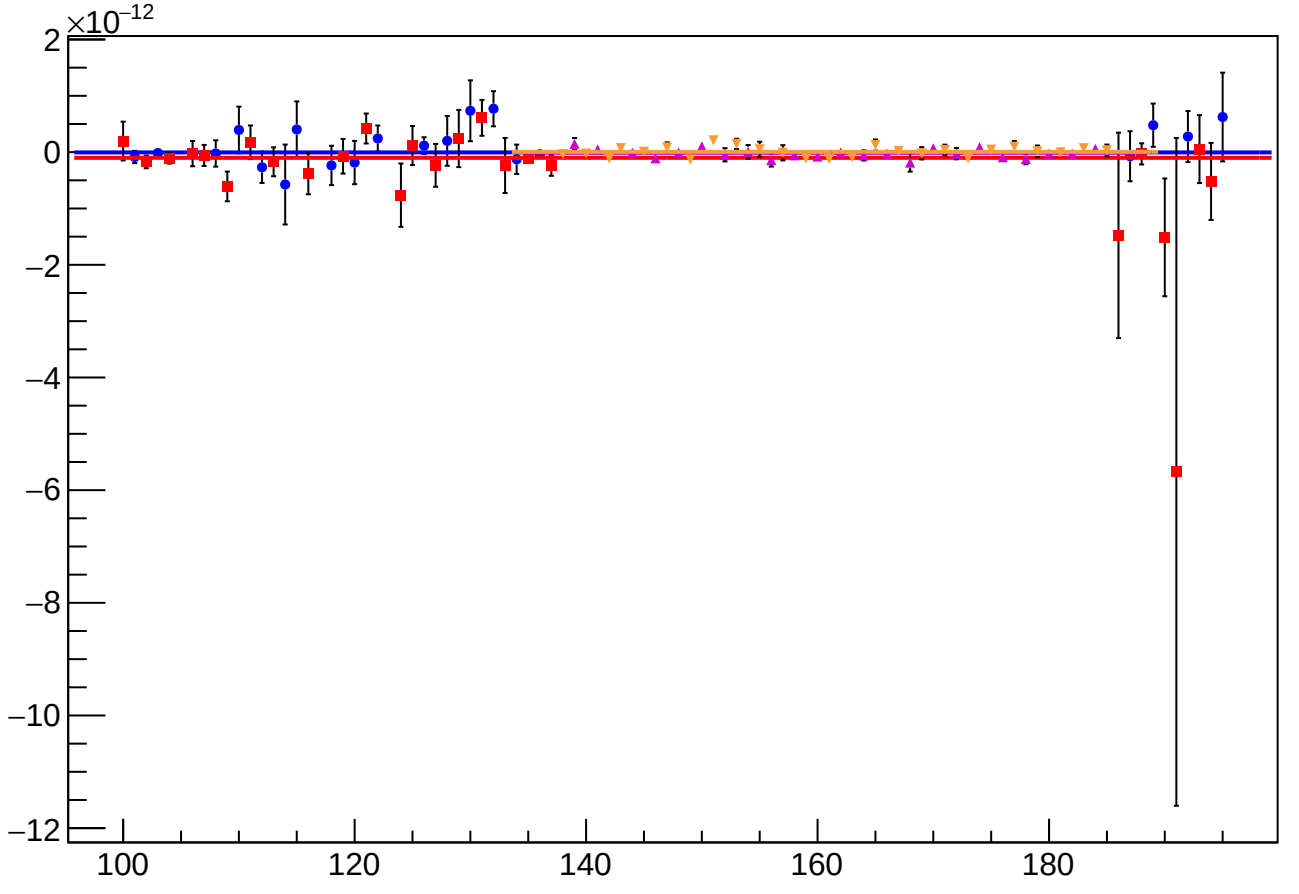
Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.939+/-0.031 χ^2/NDF: 5570324.3/44

All: 212.159+/-0.021 χ^2/NDF: 12531000.1/92

- sign 205.960+/-0.030 χ^2/NDF: 6868759.2/47



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: 22.3/24

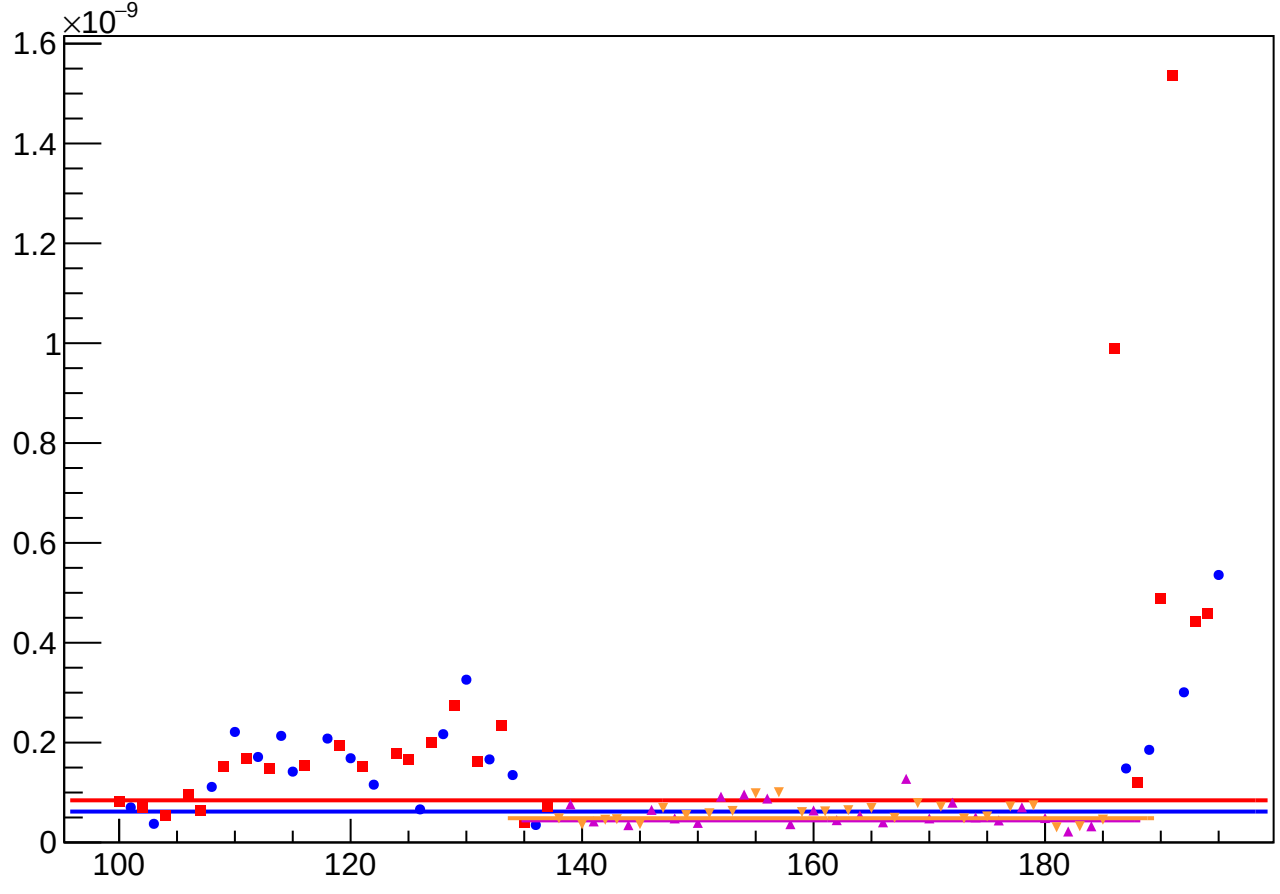
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/44

All: -0.000+/-0.000 χ^2/NDF: 97.8/92

- sign -0.000+/-0.000 χ^2/NDF: 48.0/47

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: 5065539.4/24

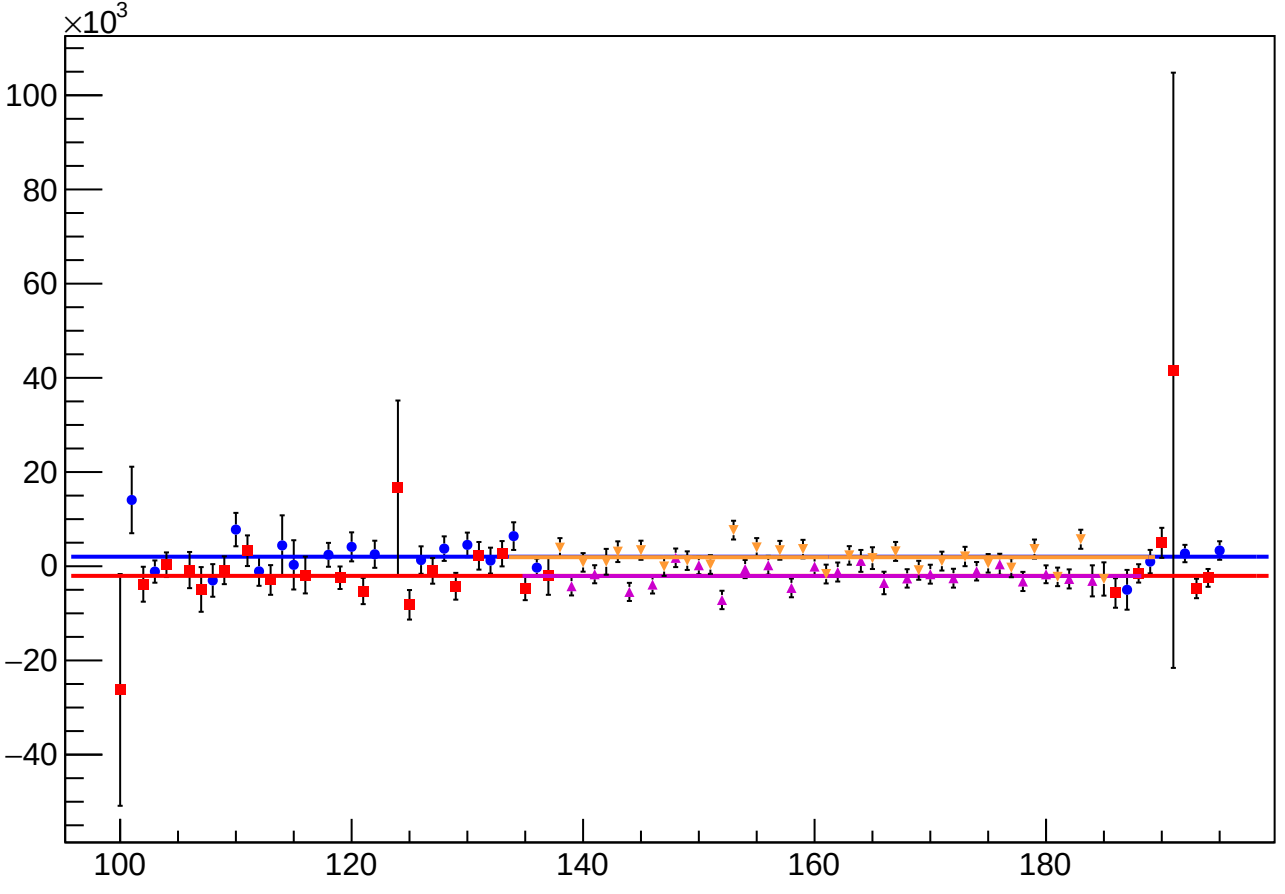
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7653745.5/44

All: 0.000+/-0.000 χ^2/NDF: 18103546.0/92

- sign 0.000+/-0.000 χ^2/NDF: 10423252.9/47

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: -2045.022+/-595.512 χ^2/NDF: 27.0/24

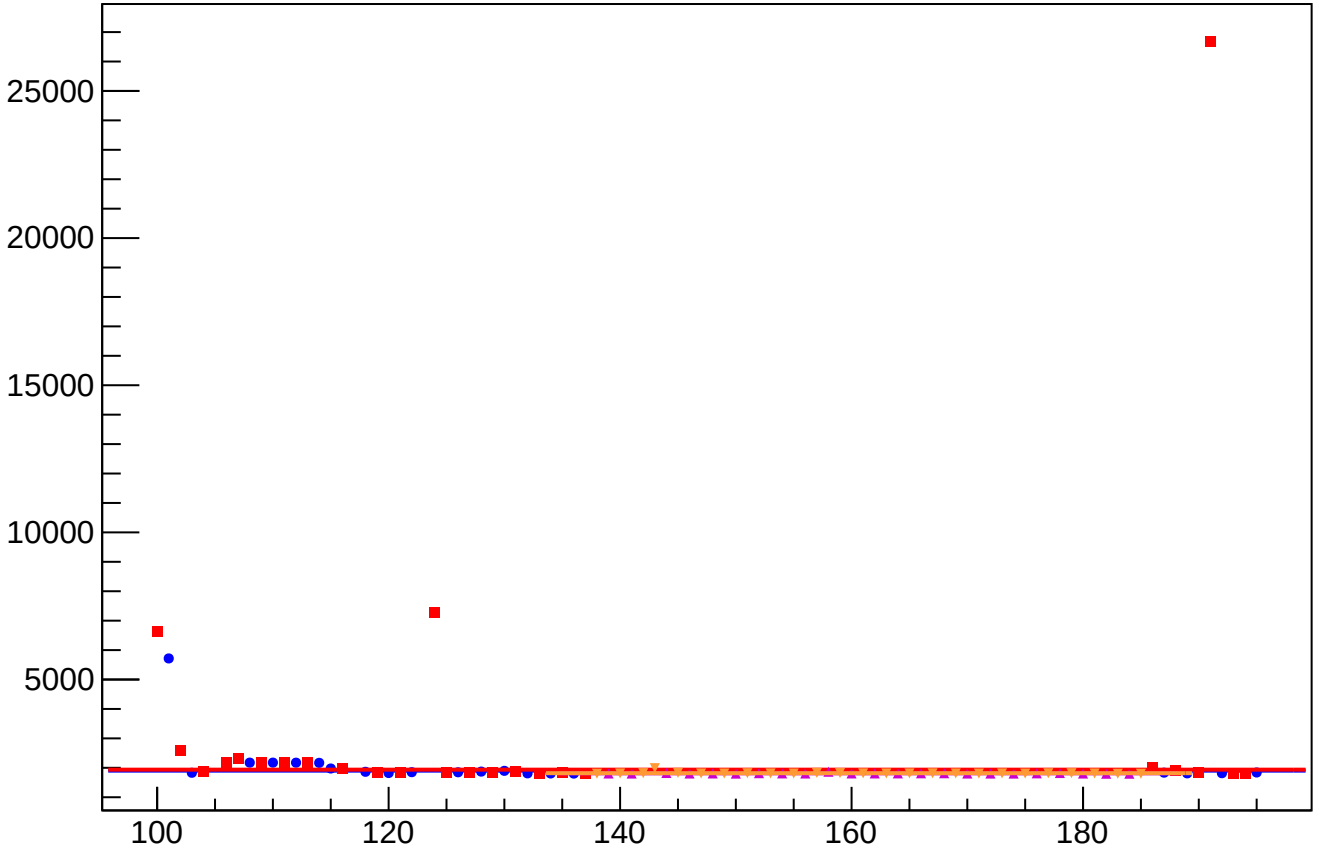
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.917+/-343.384 χ^2/NDF: 52.5/44

All: -46.513+/-243.366 χ^2/NDF: 174.2/92

- sign -2064.412+/-344.966 χ^2/NDF: 53.6/47

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

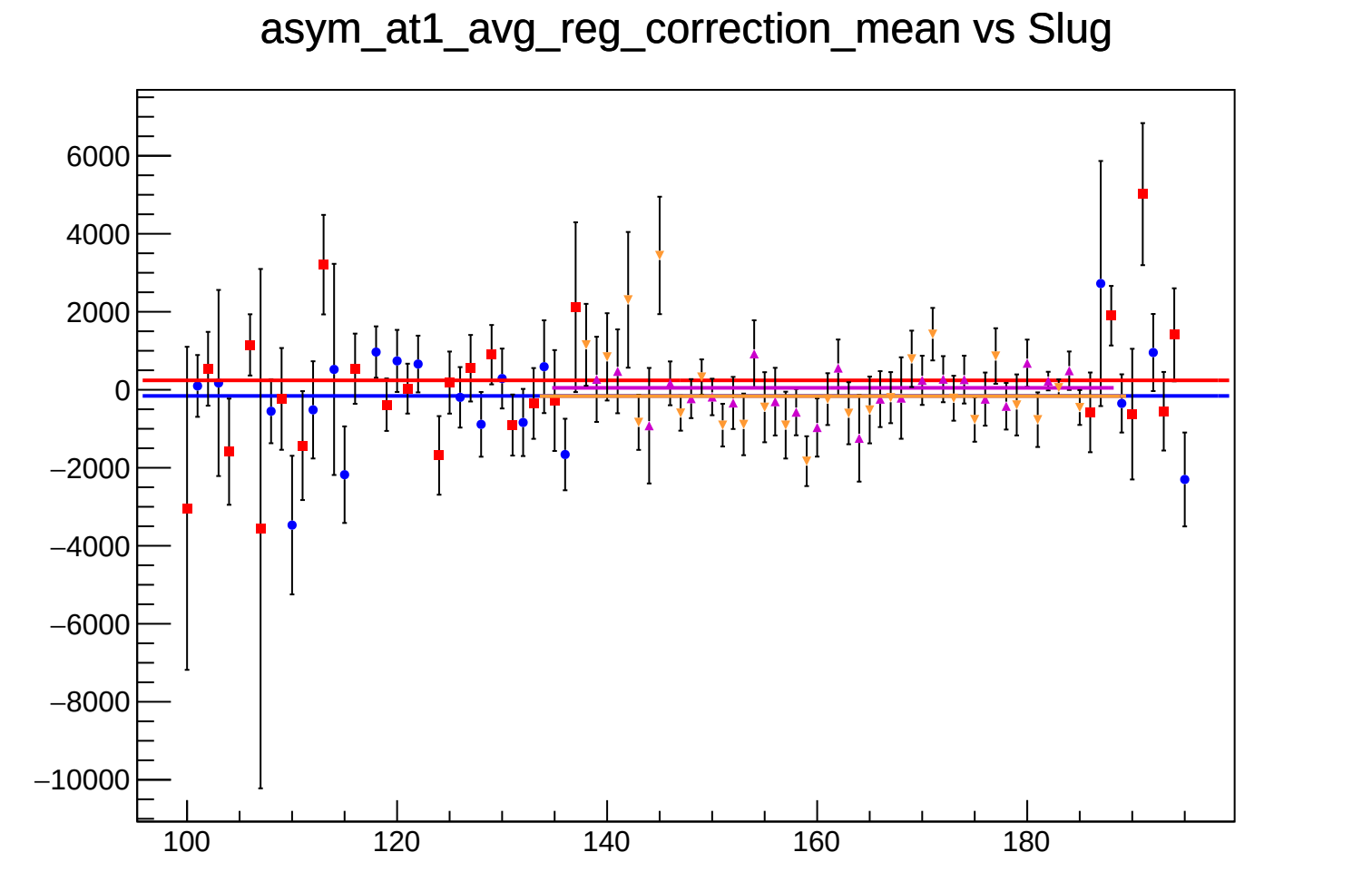
Right Out: 1937.019+/-0.421 χ^2/NDF: 710770.4/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.283+/-0.243 χ^2/NDF: 692138.9/44

All: 1849.275+/-0.172 χ^2/NDF: 1463829.8/92

- sign 1854.314+/-0.244 χ^2/NDF: 770841.5/47



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: 241.392+/-198.794 χ^2/NDF: 34.3/24

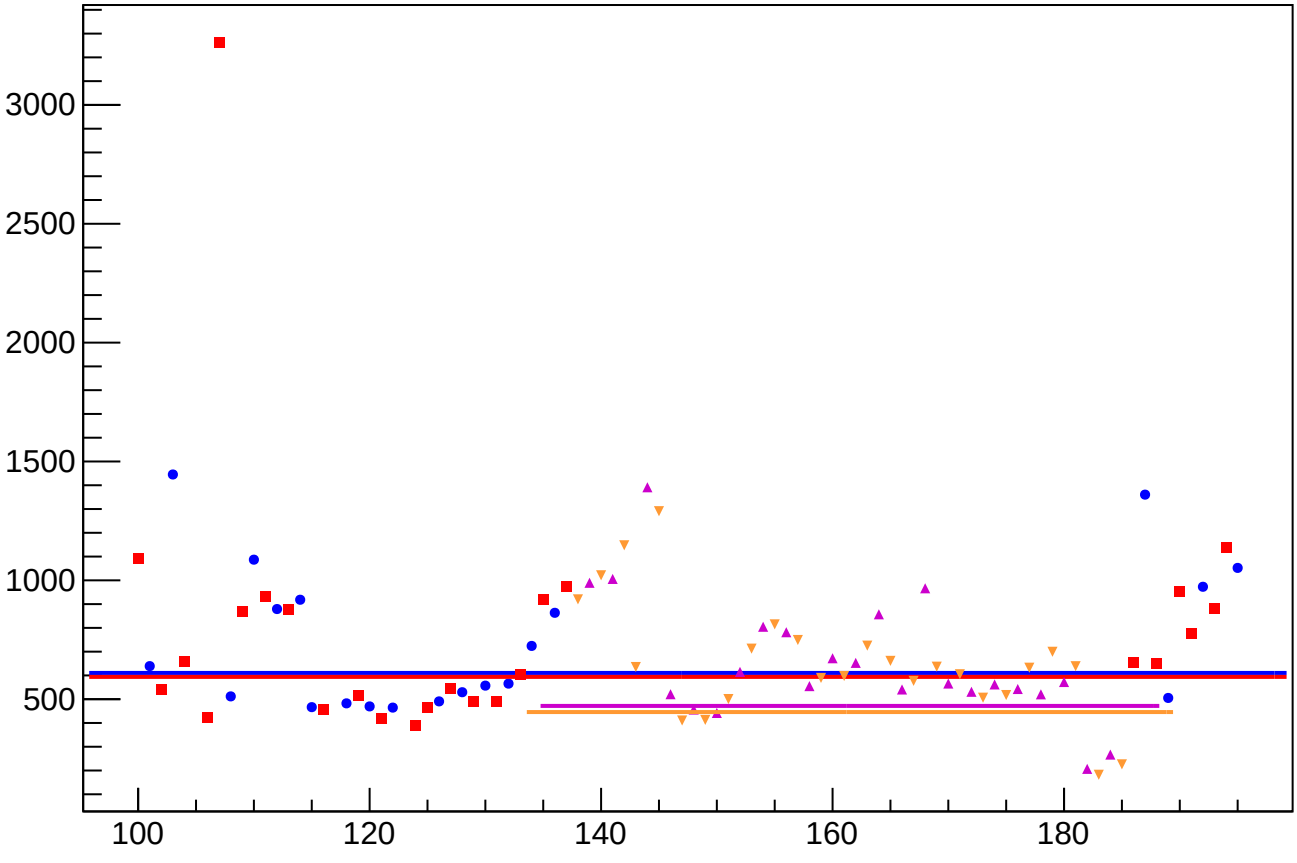
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -161.739+/-101.186 χ^2/NDF: 59.1/44

All: -33.866+/-72.661 χ^2/NDF: 108.7/92

- sign 102.279+/-104.407 χ^2/NDF: 46.3/47

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: 593.834+/-0.141 χ^2/NDF: 2092301.1/24

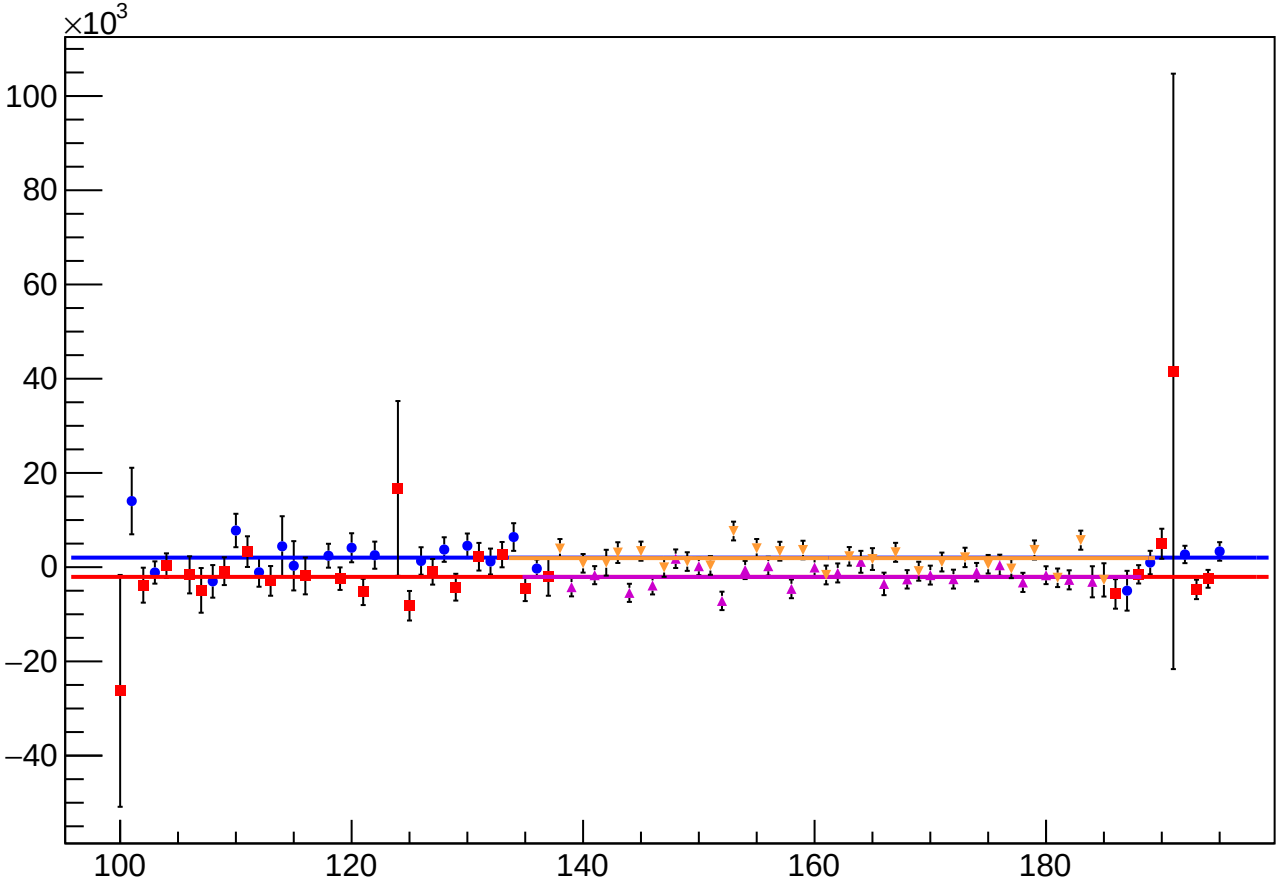
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 483.717+/-0.072 χ^2/NDF: 10648345.7/44

All: 494.230+/-0.051 χ^2/NDF: 19745396.6/92

- sign 505.422+/-0.074 χ^2/NDF: 9052478.1/47

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: -2065.428+/-595.855 χ^2/NDF: 26.9/24

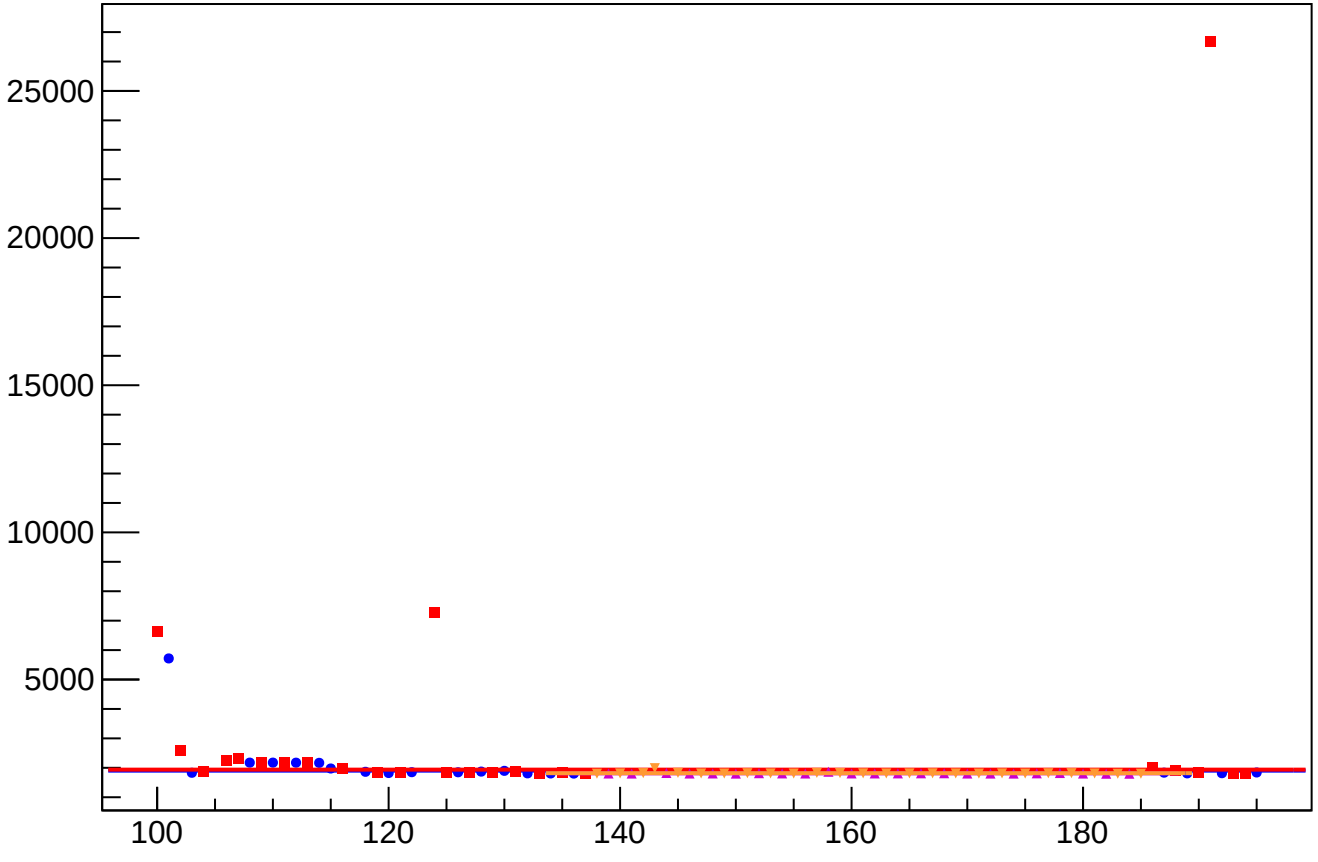
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.826+/-343.384 χ^2/NDF: 52.5/44

All: -49.613+/-243.390 χ^2/NDF: 174.3/92

- sign -2071.329+/-345.032 χ^2/NDF: 53.5/47

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: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

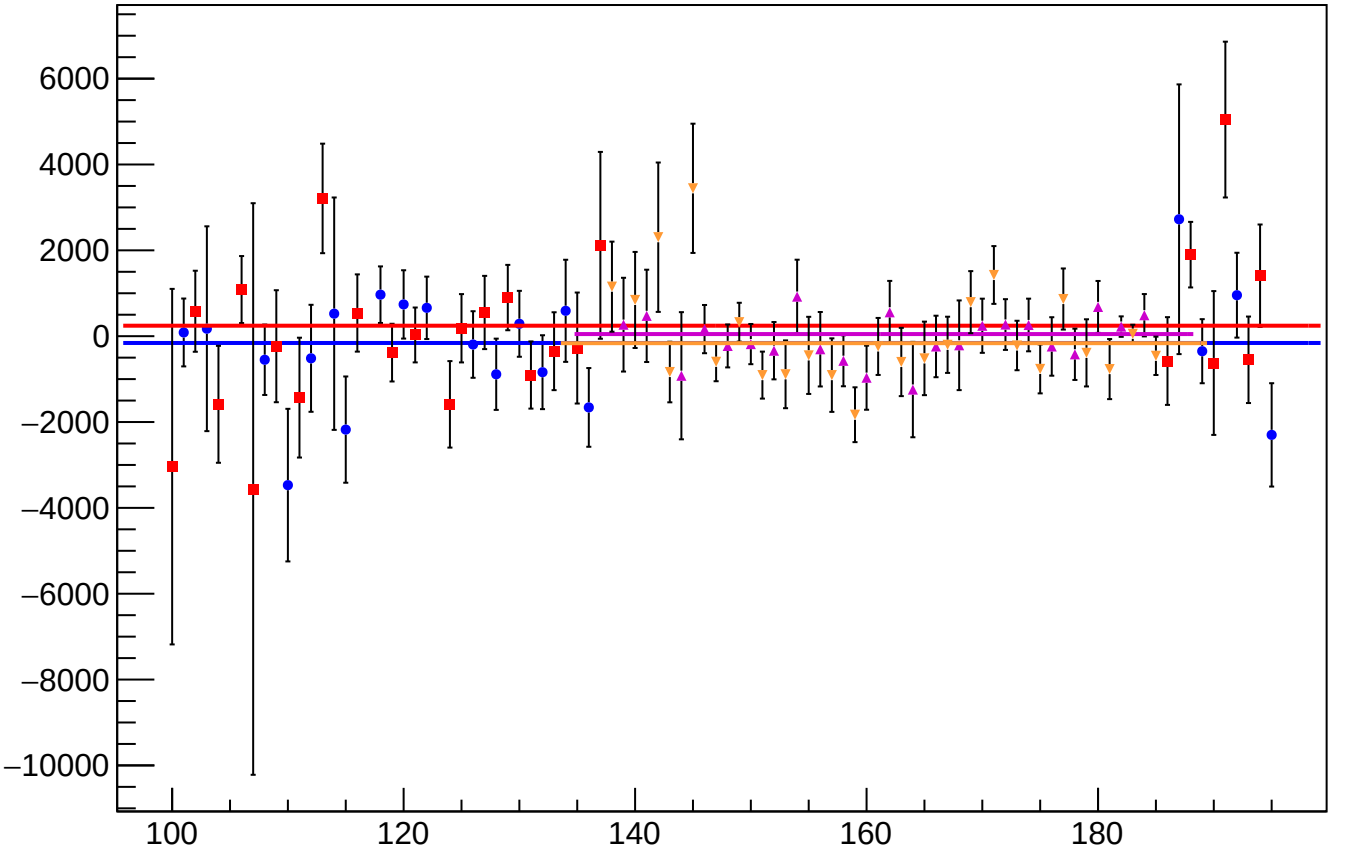
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.283+/-0.243 χ^2/NDF: 692138.8/44

All: 1849.403+/-0.172 χ^2/NDF: 1467897.9/92

- sign 1854.573+/-0.244 χ^2/NDF: 774865.4/47

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: 244.127+/-198.686 χ^2/NDF: 34.0/24

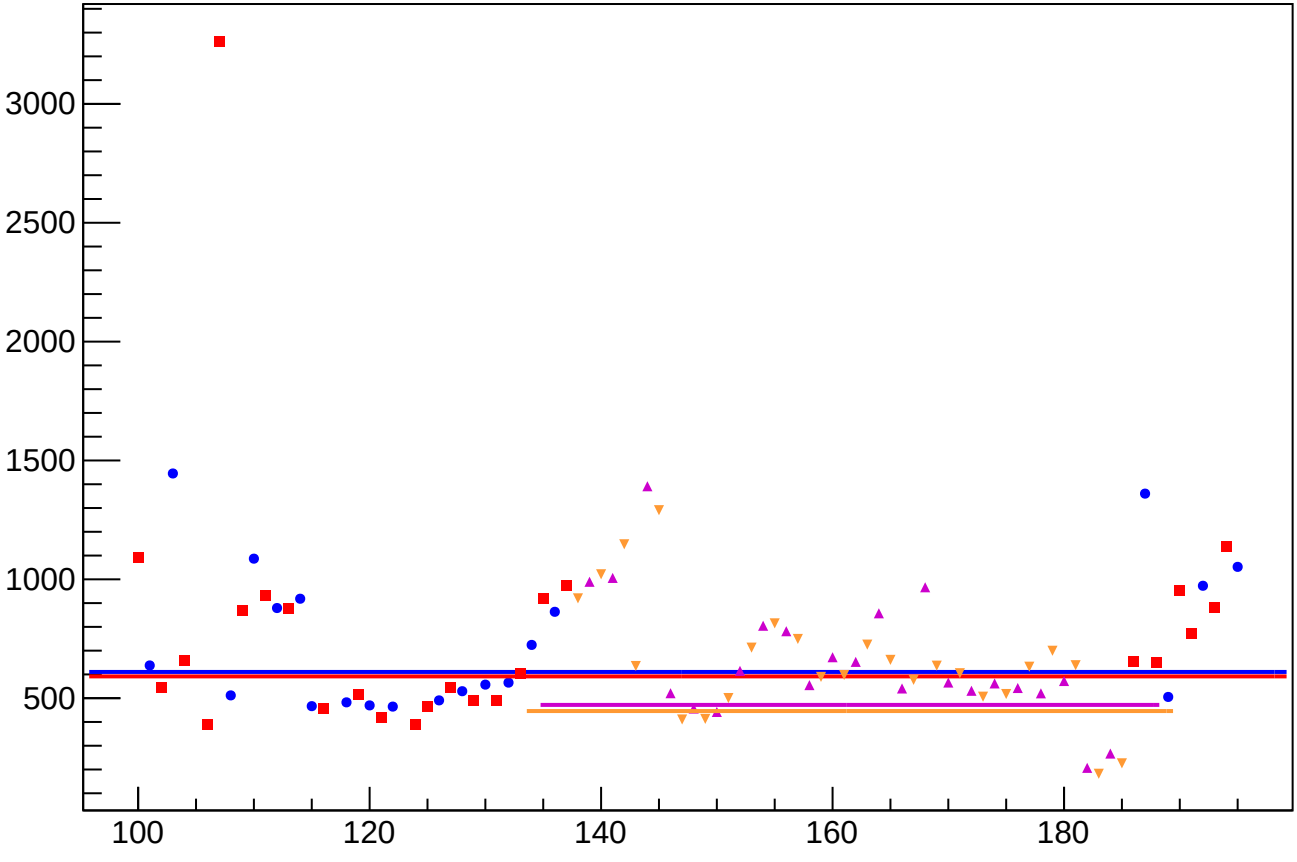
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -161.830+/-101.179 χ^2/NDF: 59.1/44

All: -33.510+/-72.654 χ^2/NDF: 108.4/92

- sign 103.091+/-104.393 χ^2/NDF: 46.0/47

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: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

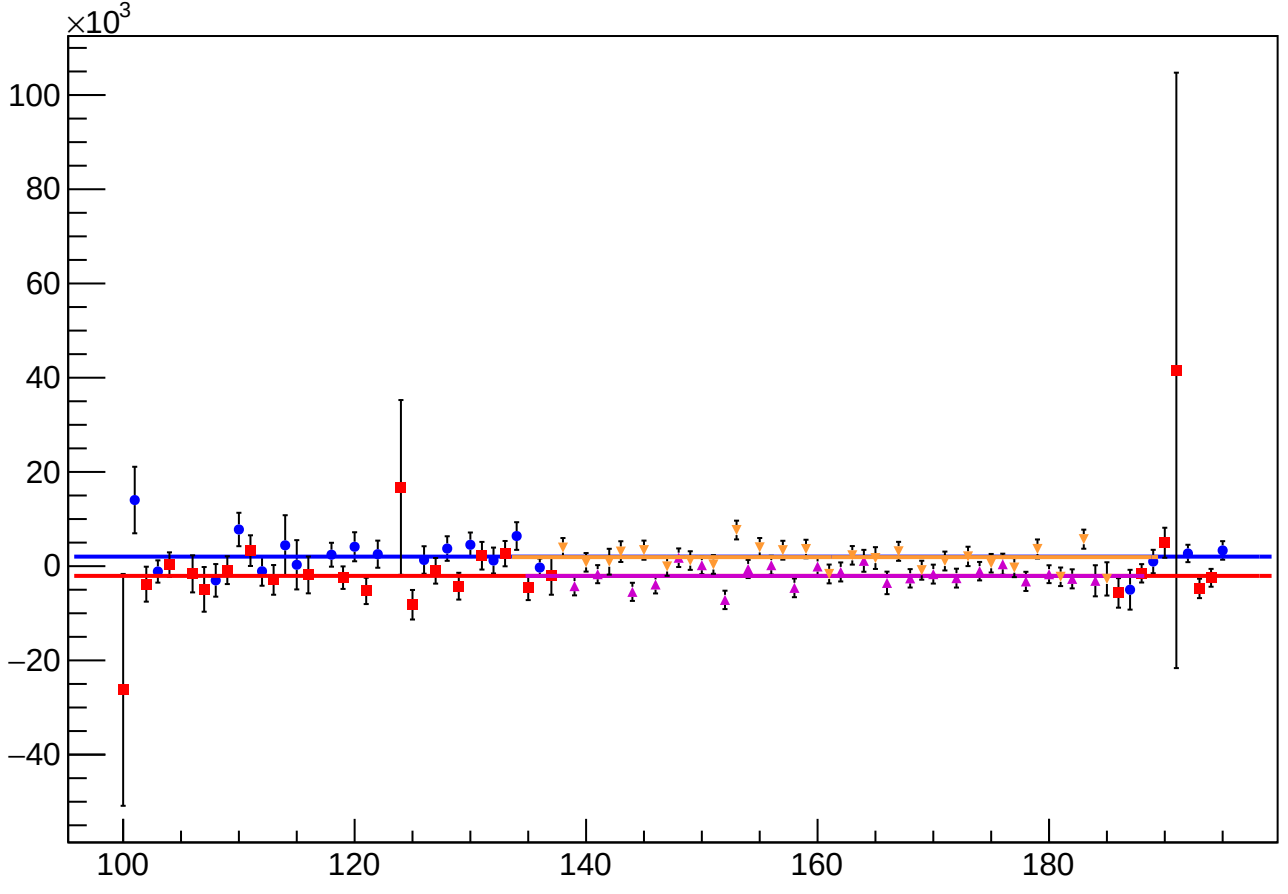
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 483.685+/-0.072 χ^2/NDF: 10649164.1/44

All: 493.944+/-0.051 χ^2/NDF: 19766357.5/92

- sign 504.865+/-0.074 χ^2/NDF: 9074743.7/47

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: -2065.428+/-595.855 χ^2/NDF: 26.9/24

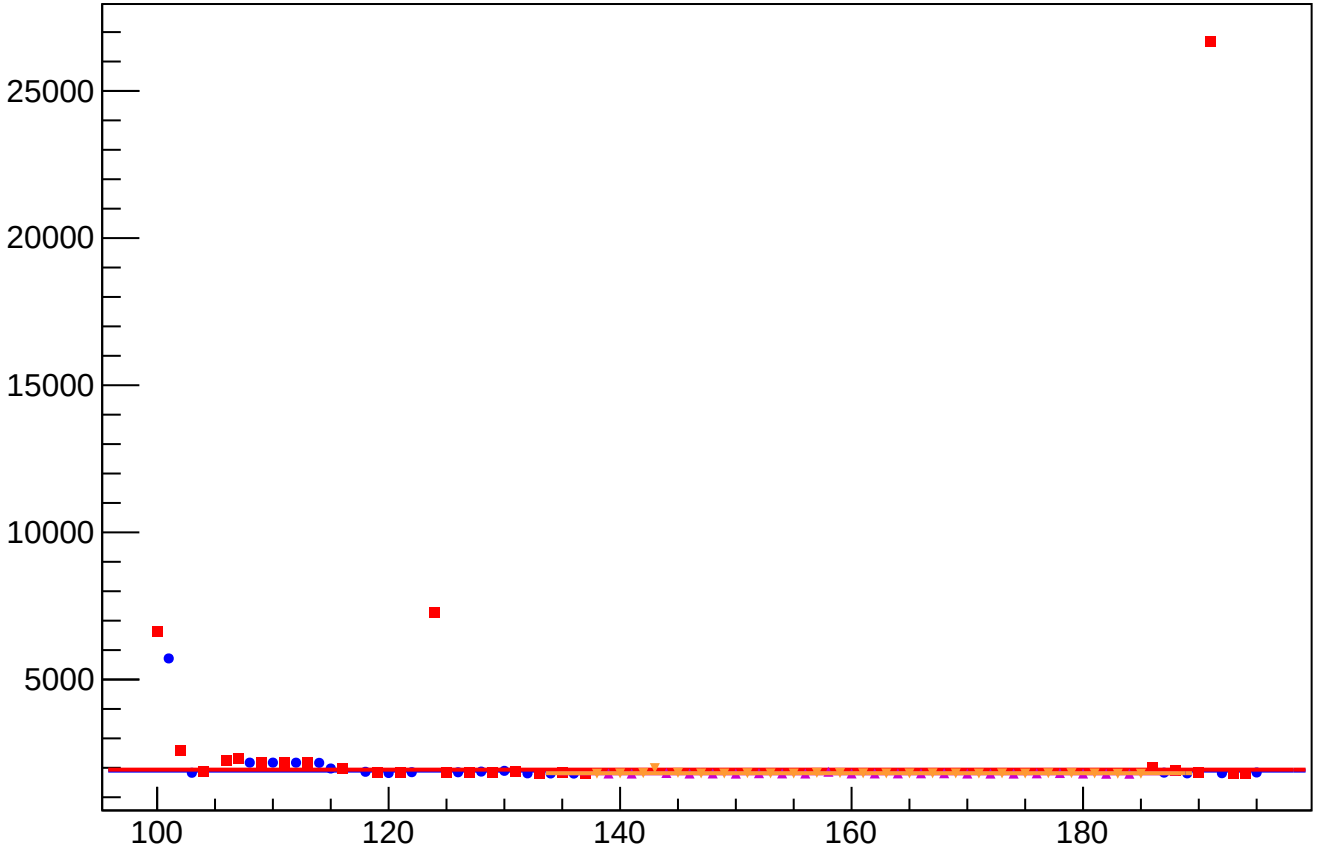
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1952.826+/-343.384 χ^2/NDF: 52.5/44

All: -49.613+/-243.390 χ^2/NDF: 174.3/92

- sign -2071.329+/-345.032 χ^2/NDF: 53.5/47

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

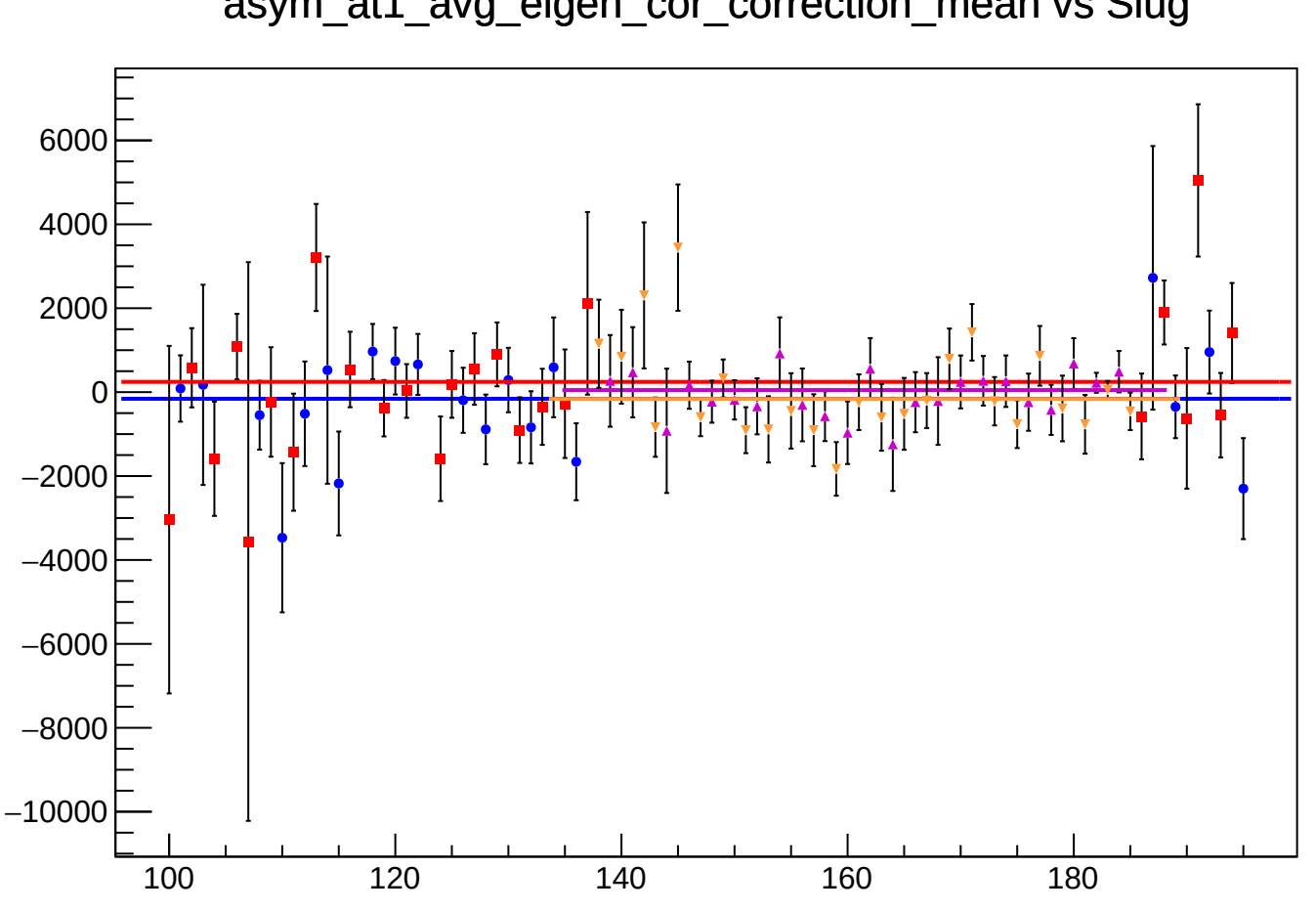
Right Out: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.283+/-0.243 χ^2/NDF: 692138.8/44

All: 1849.403+/-0.172 χ^2/NDF: 1467897.9/92

- sign 1854.573+/-0.244 χ^2/NDF: 774865.4/47



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: 244.127+/-198.686 χ^2/NDF: 34.0/24

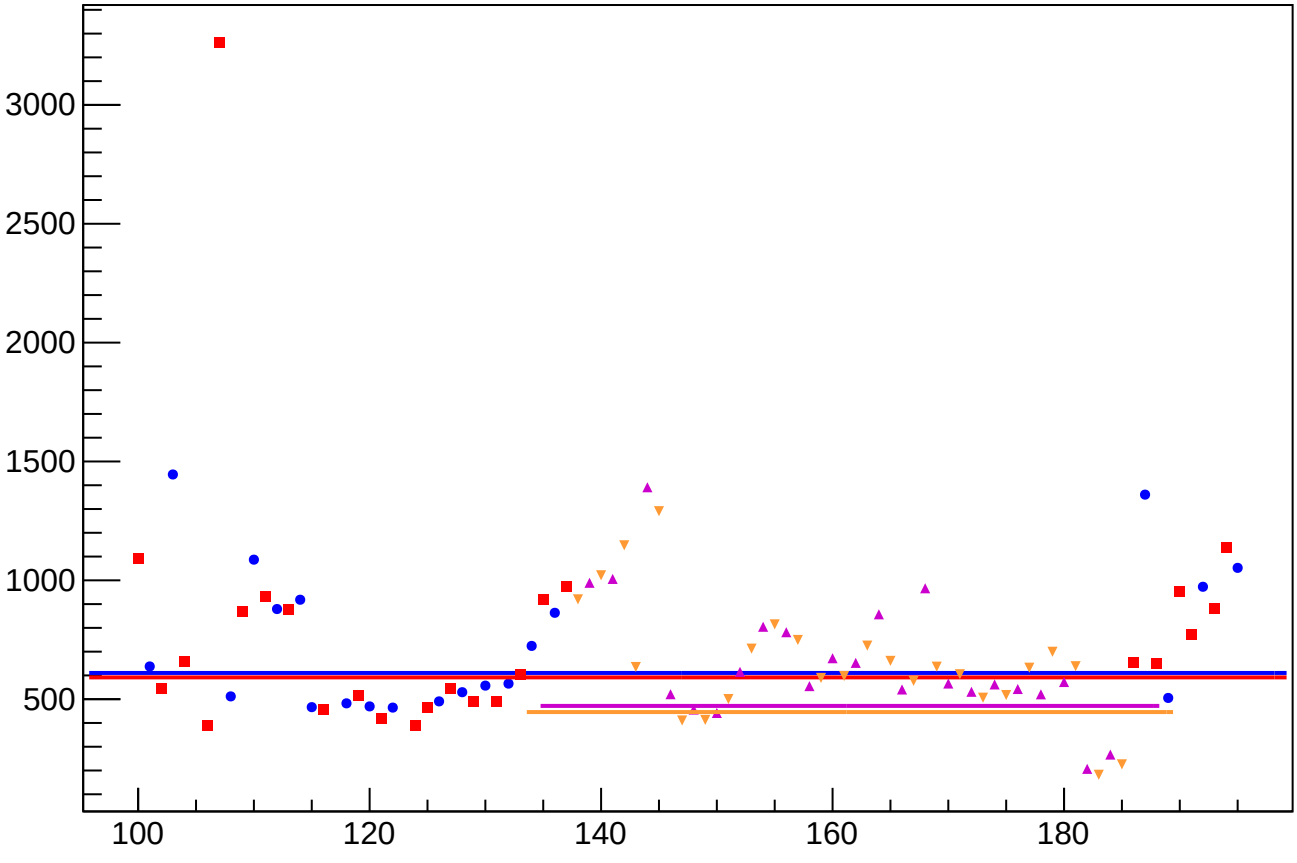
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -161.830+/-101.179 χ^2/NDF: 59.1/44

All: -33.510+/-72.654 χ^2/NDF: 108.4/92

- sign 103.091+/-104.393 χ^2/NDF: 46.0/47

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

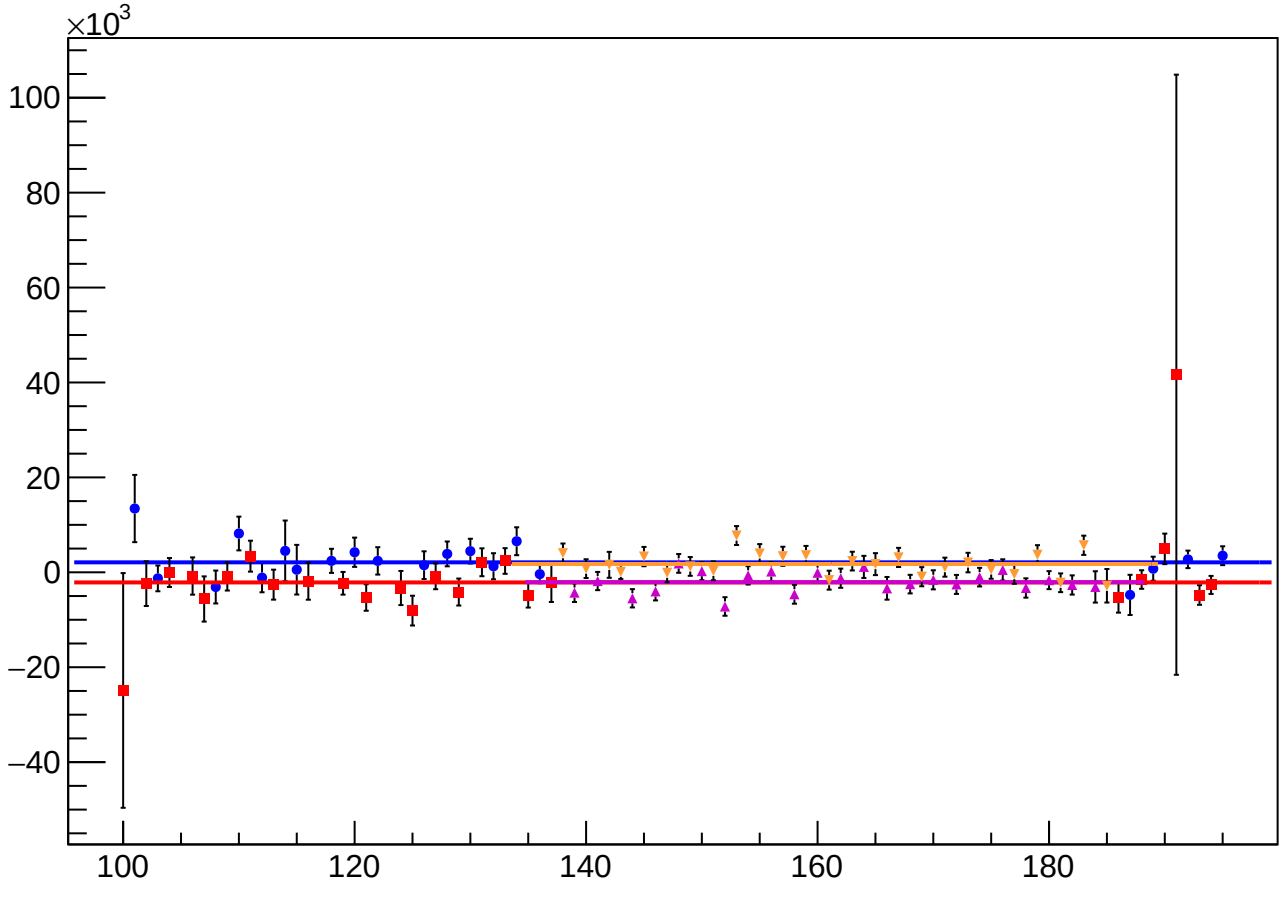
Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 483.685+/-0.072 χ^2/NDF: 10649164.1/44

All: 493.944+/-0.051 χ^2/NDF: 19766357.5/92

- sign 504.865+/-0.074 χ^2/NDF: 9074743.7/47



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: -2132.566+/-596.352 χ^2/NDF: 25.0/24

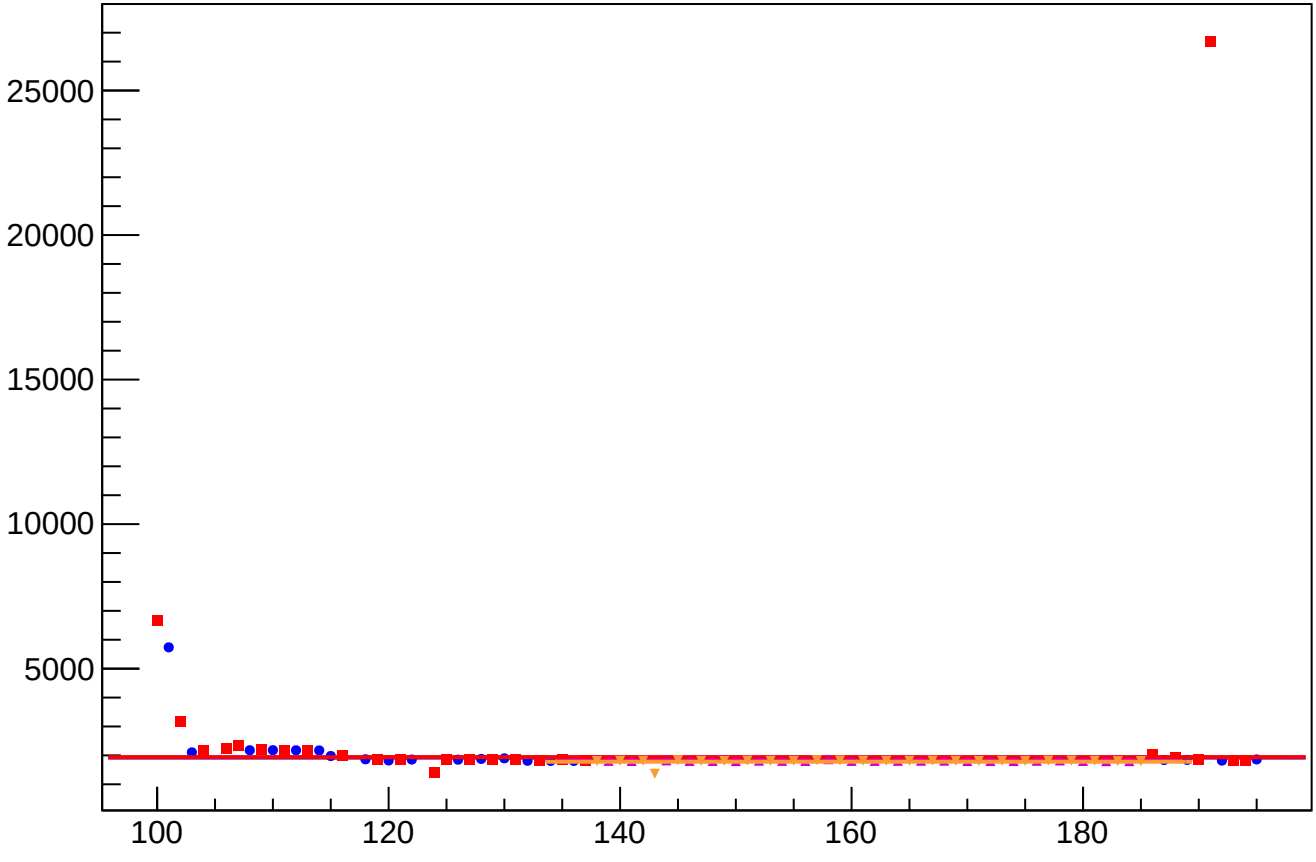
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1857.093+/-340.227 χ^2/NDF: 54.0/44

All: -88.457+/-242.375 χ^2/NDF: 172.4/92

- sign -2093.271+/-345.370 χ^2/NDF: 52.0/47

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: 1937.545+/-0.422 χ^2/NDF: 676068.3/24

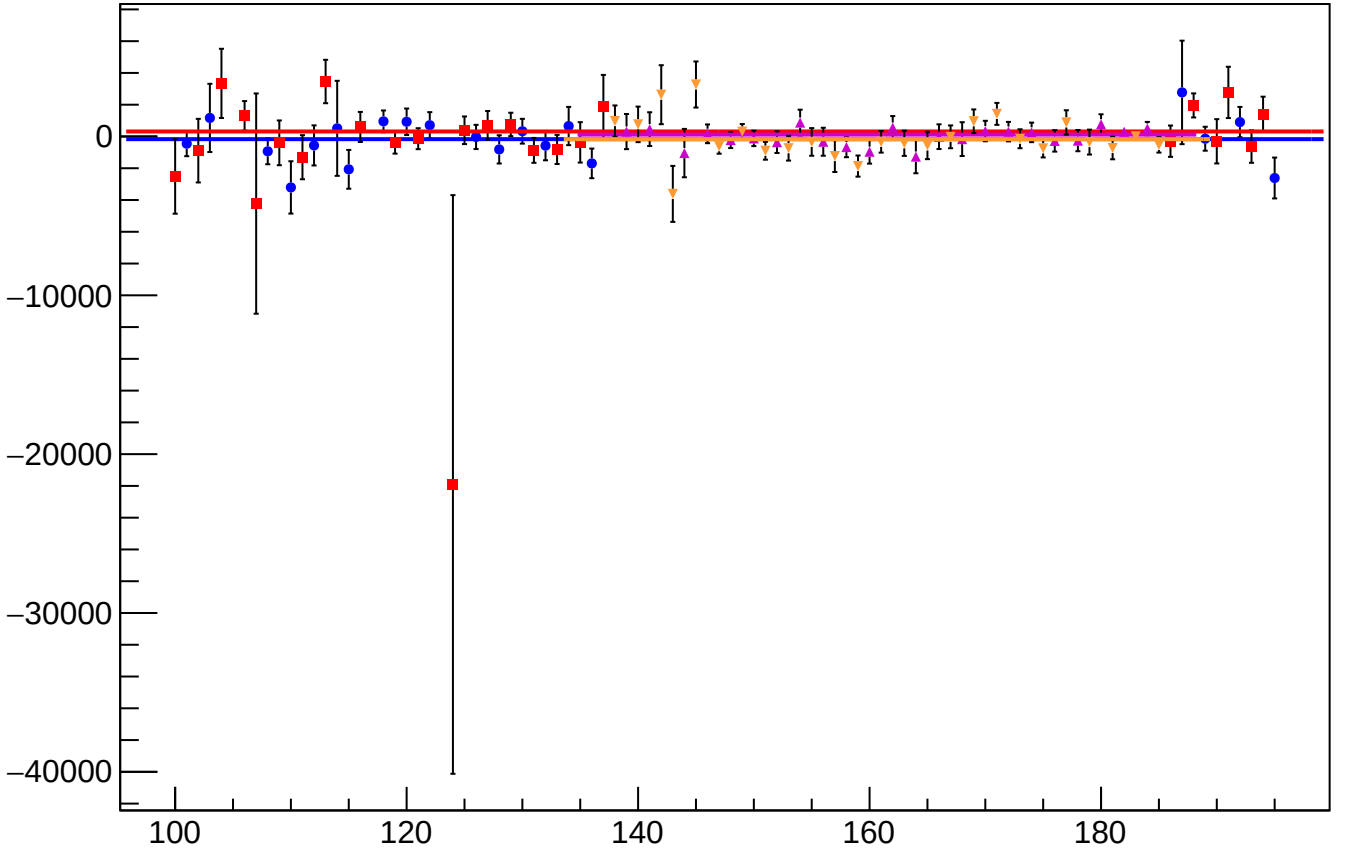
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1824.003+/-0.241 χ^2/NDF: 898406.9/44

All: 1839.626+/-0.171 χ^2/NDF: 1641780.0/92

- sign 1855.726+/-0.244 χ^2/NDF: 734809.6/47

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: 315.111+/-211.280 χ^2/NDF: 30.0/24

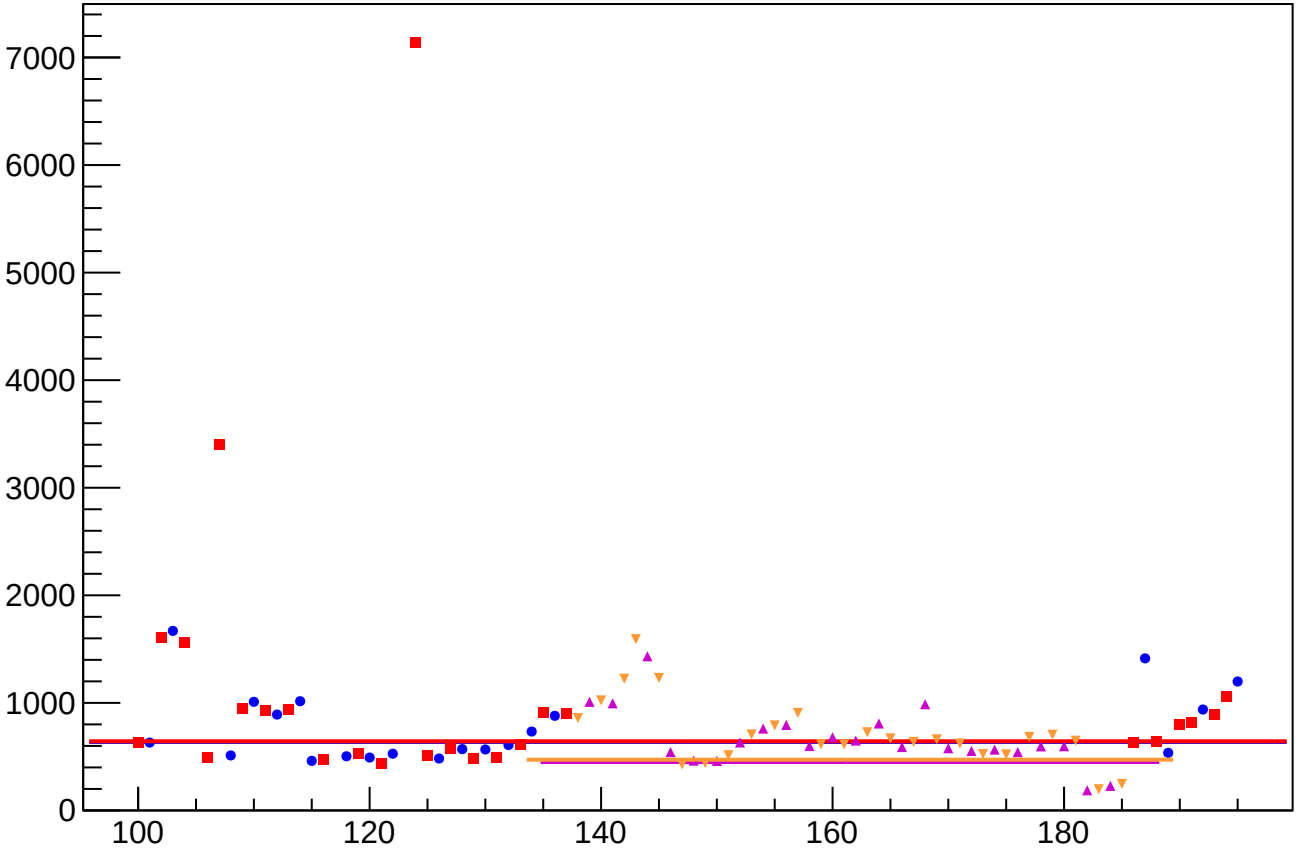
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.238+/-106.017 χ^2/NDF: 61.3/44

All: 1.443+/-74.312 χ^2/NDF: 109.3/92

- sign 165.341+/-104.194 χ^2/NDF: 43.0/47

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: 642.752+/-0.149 χ^2/NDF: 2840352.5/24

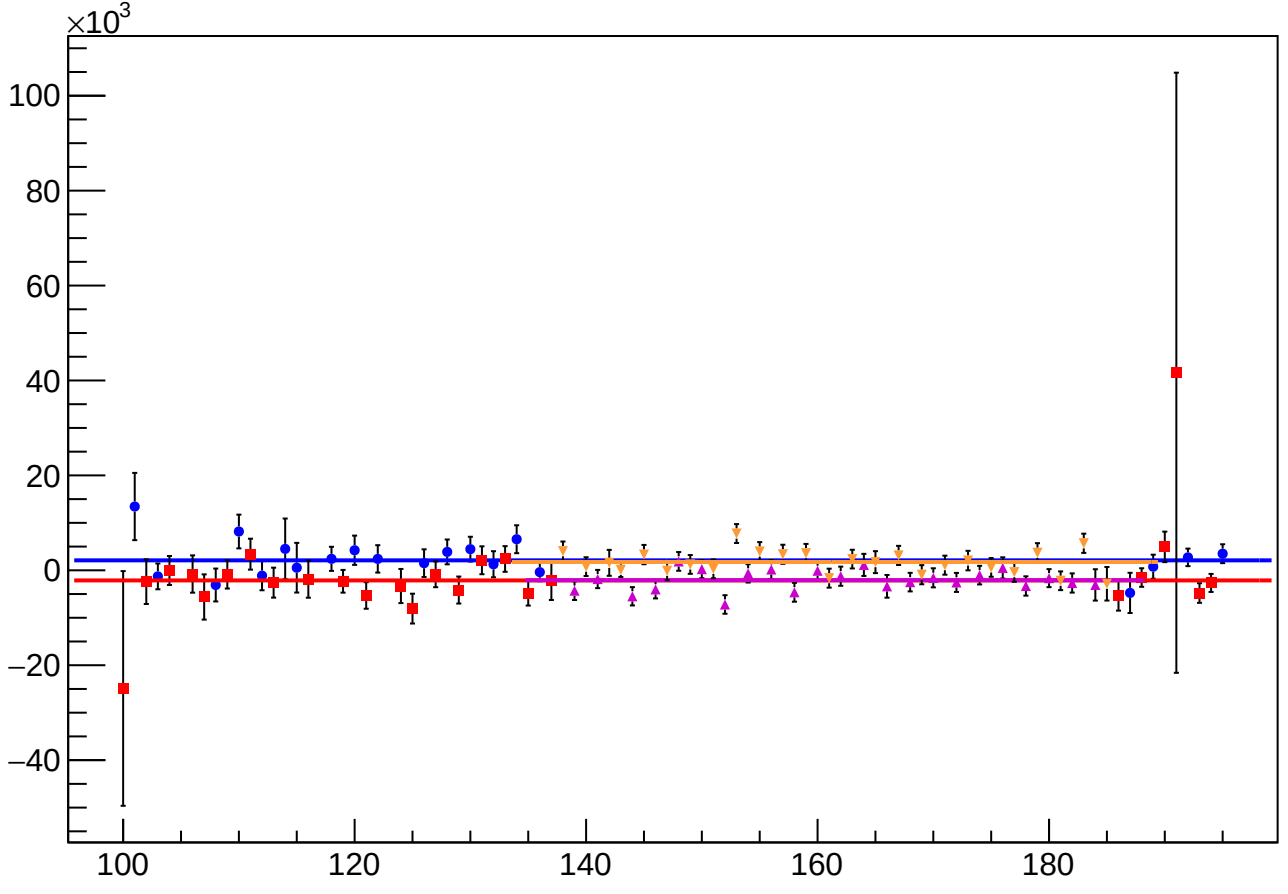
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 511.492+/-0.075 χ^2/NDF: 10929143.6/44

All: 504.309+/-0.053 χ^2/NDF: 22967127.8/92

- sign 497.371+/-0.074 χ^2/NDF: 12019935.5/47

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: -2132.563+/-596.352 χ^2/NDF: 25.0/24

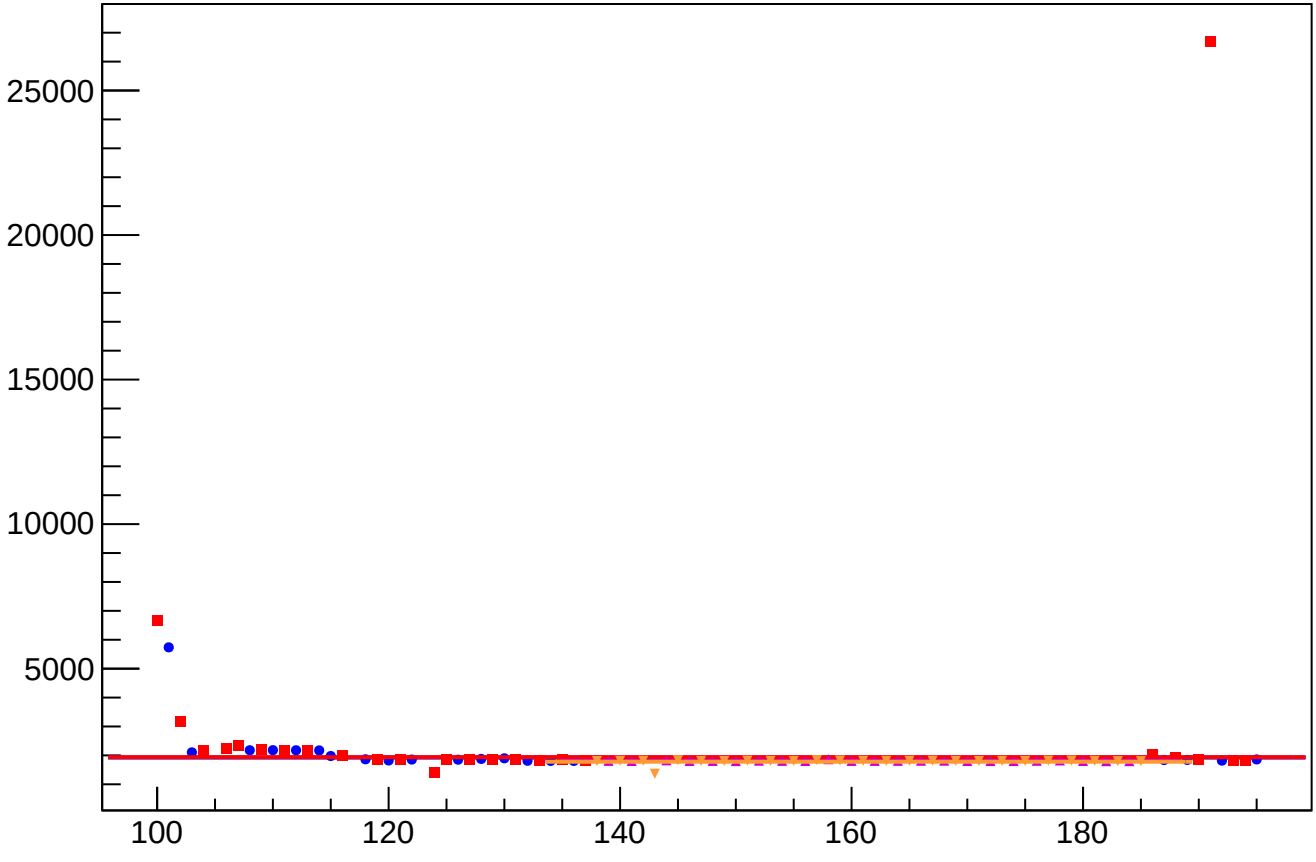
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1857.093+/-340.227 χ^2/NDF: 54.0/44

All: -88.457+/-242.375 χ^2/NDF: 172.4/92

- sign -2093.270+/-345.370 χ^2/NDF: 52.0/47

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: 1937.544+/-0.422 χ^2/NDF: 676067.0/24

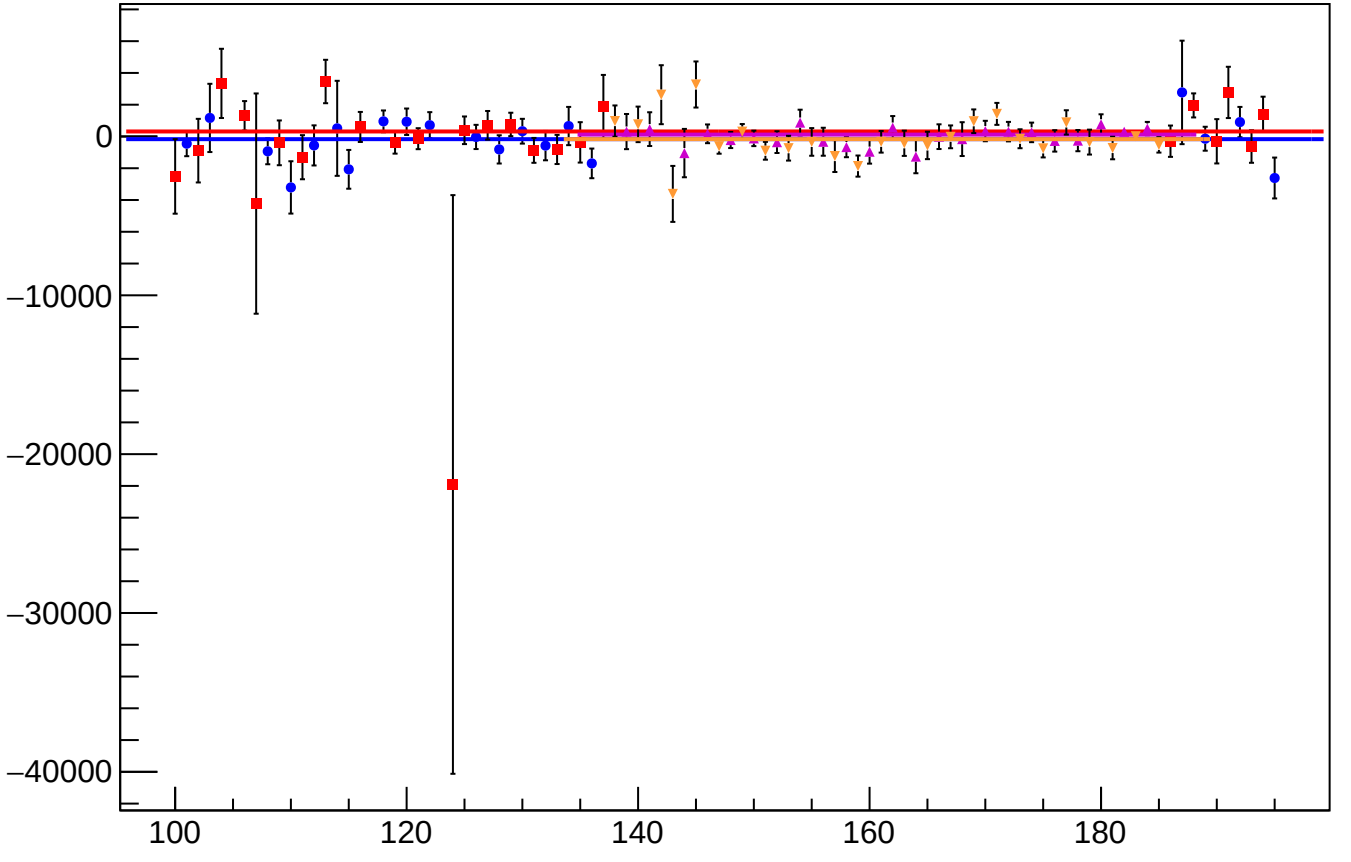
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1824.003+/-0.241 χ^2/NDF: 898406.4/44

All: 1839.626+/-0.171 χ^2/NDF: 1641777.9/92

- sign 1855.726+/-0.244 χ^2/NDF: 734808.2/47

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: 315.111+/-211.280 χ^2/NDF: 30.0/24

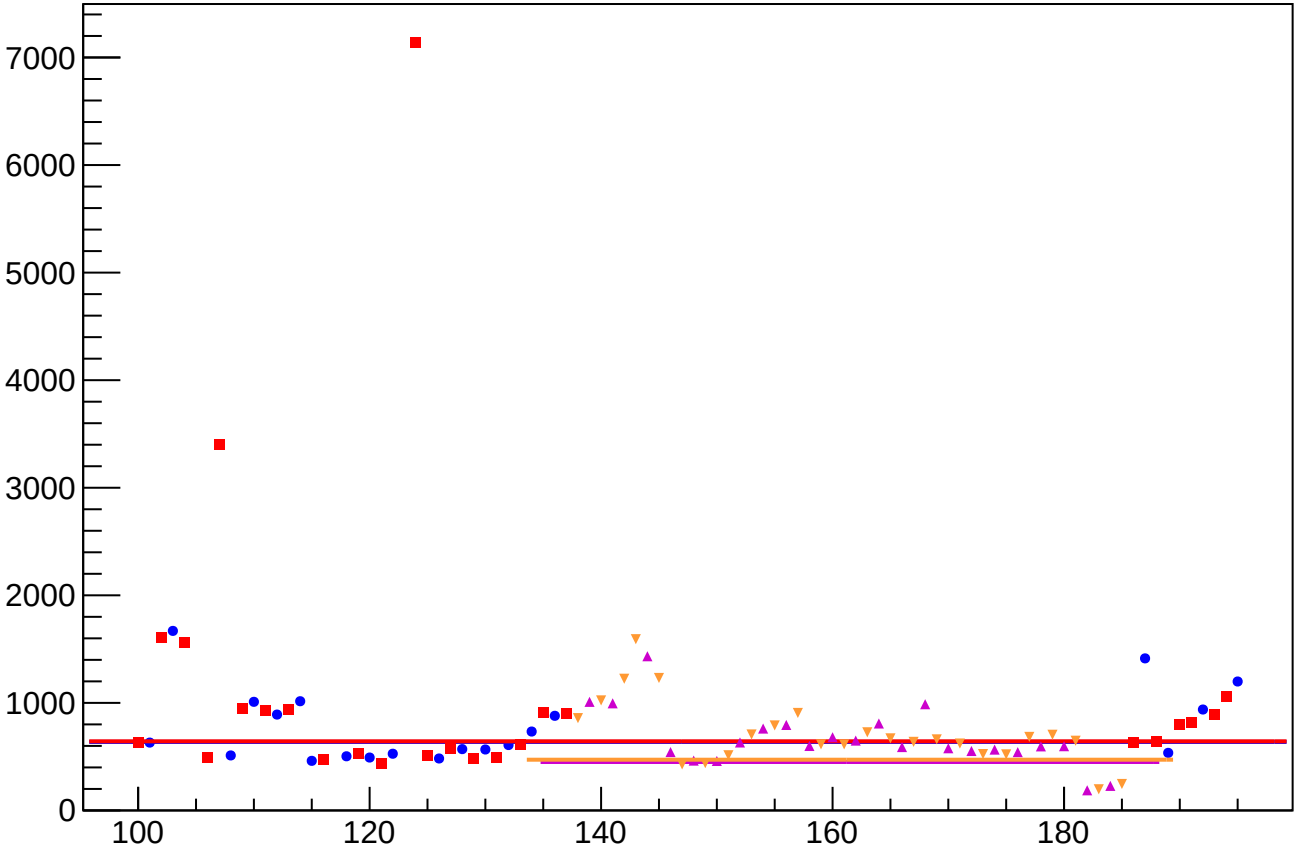
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.238+/-106.017 χ^2/NDF: 61.3/44

All: 1.443+/-74.313 χ^2/NDF: 109.3/92

- sign 165.341+/-104.194 χ^2/NDF: 43.0/47

asym_at1_avg_eigen_dit_correction_rms vs Slug



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: 642.751+/-0.149 χ^2/NDF: 2840365.7/24

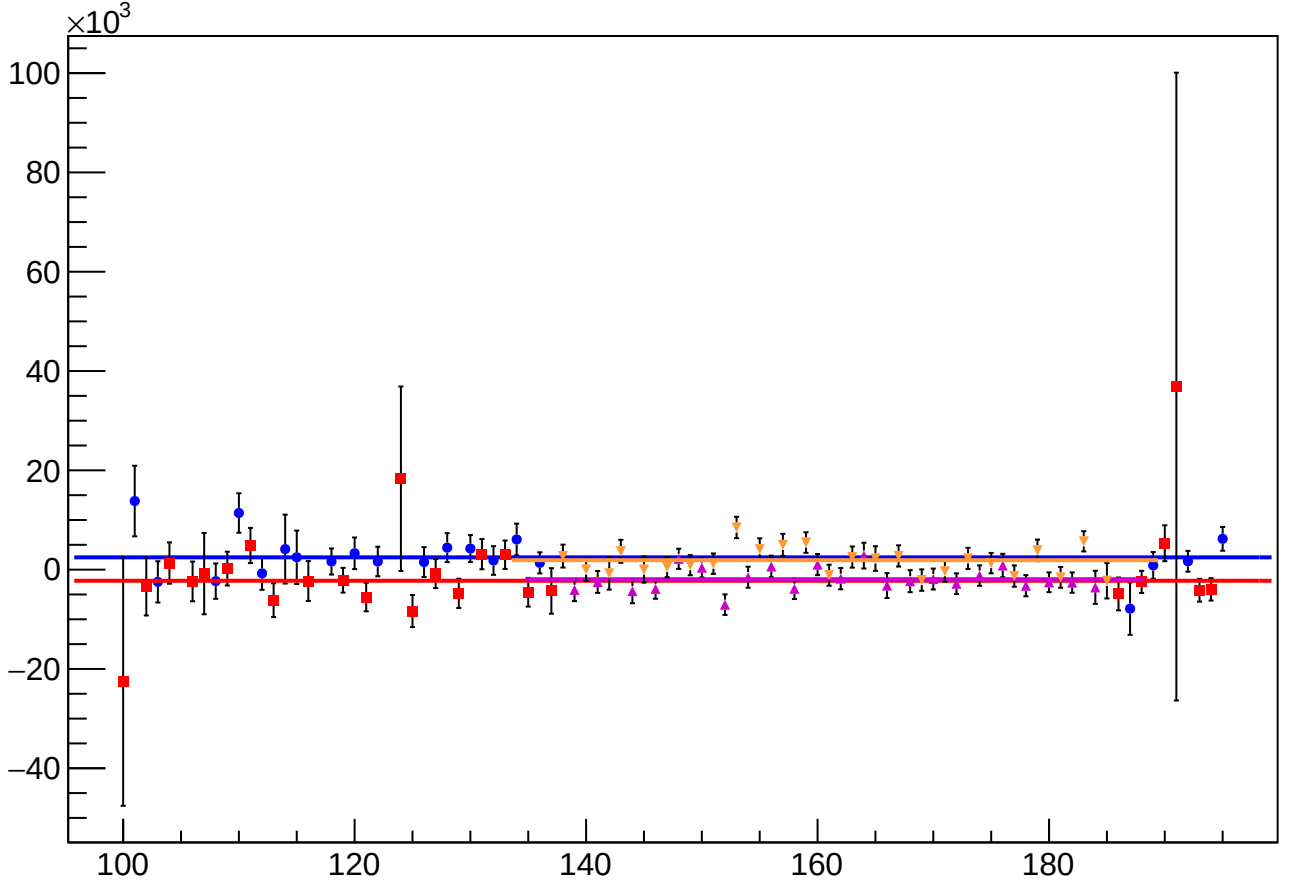
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 511.493+/-0.075 χ^2/NDF: 10929138.4/44

All: 504.310+/-0.053 χ^2/NDF: 22967100.1/92

- sign 497.372+/-0.074 χ^2/NDF: 12019913.7/47

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: -2238.332+/-667.264 χ^2/NDF: 28.3/24

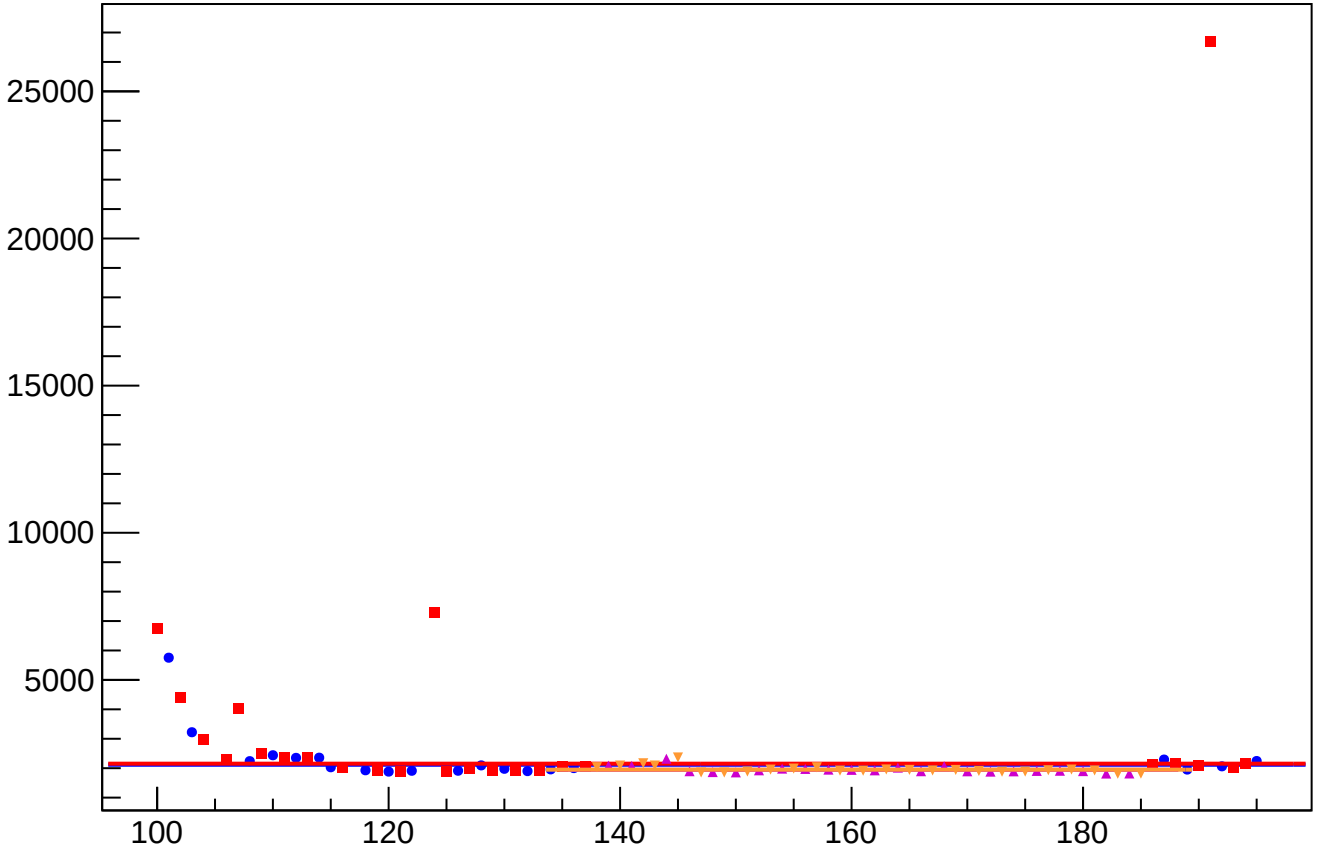
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2073.793+/-373.075 χ^2/NDF: 58.1/44

All: 39.360+/-264.781 χ^2/NDF: 171.3/92

- sign -2025.485+/-375.853 χ^2/NDF: 53.3/47

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: 2153.312+/-0.472 χ^2/NDF: 1137039.7/24

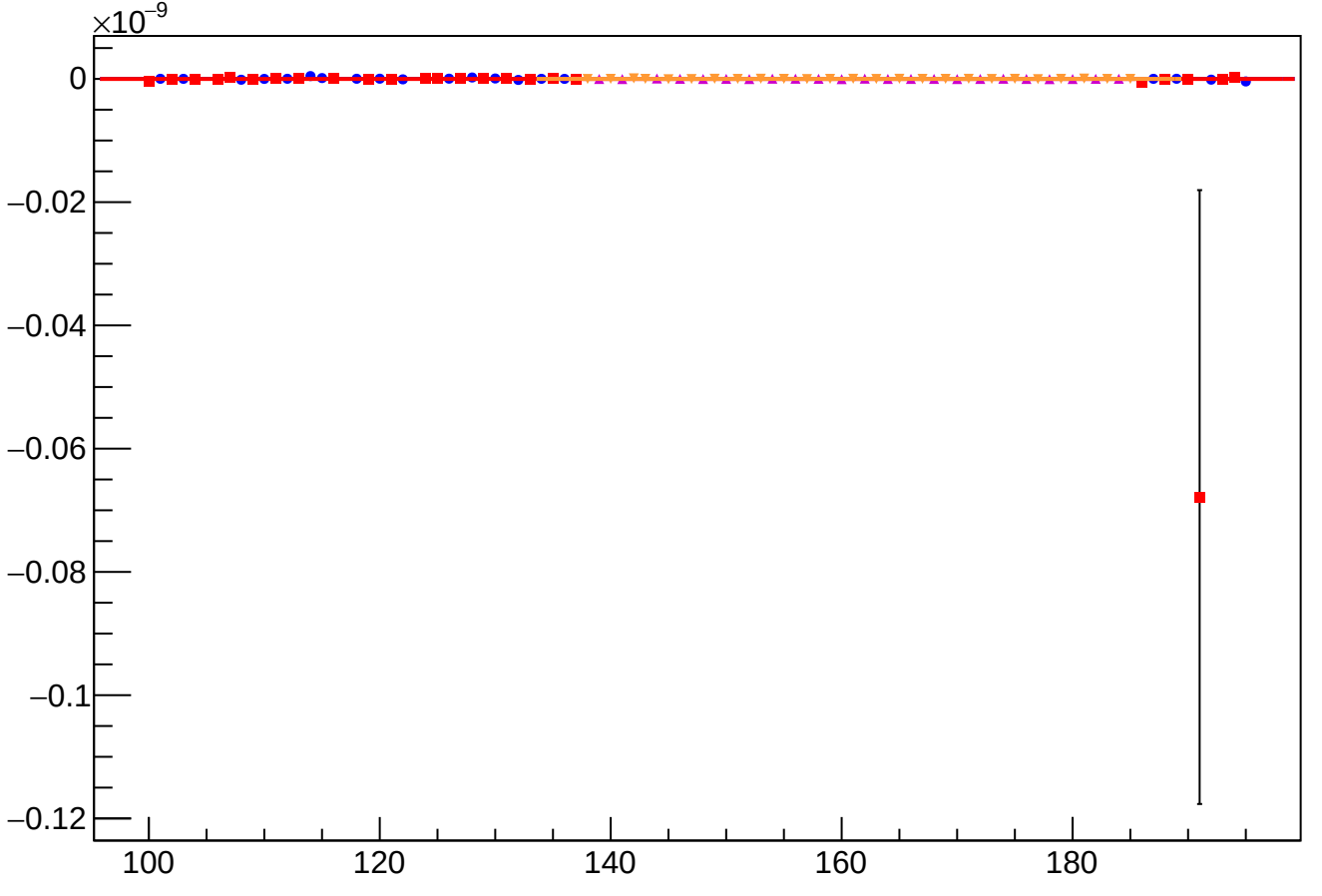
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1997.996+/-0.264 χ^2/NDF: 968463.6/44

All: 2004.541+/-0.187 χ^2/NDF: 2335608.3/92

- sign 2011.184+/-0.266 χ^2/NDF: 1365904.5/47

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



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: 23.3/24

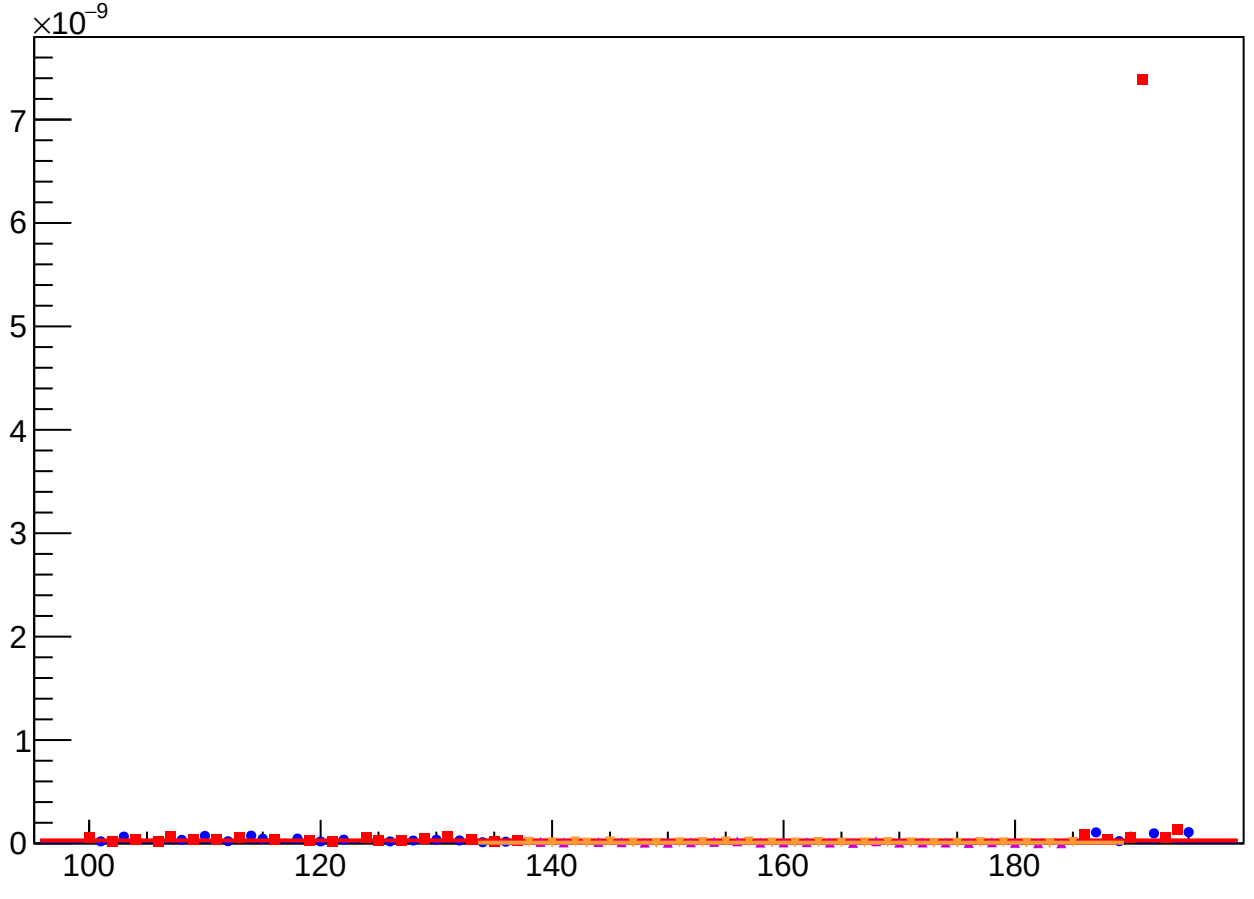
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/44

All: 0.000+/-0.000 χ^2/NDF: 107.1/92

- sign 0.000+/-0.000 χ^2/NDF: 55.2/47

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: 1715756.5/24

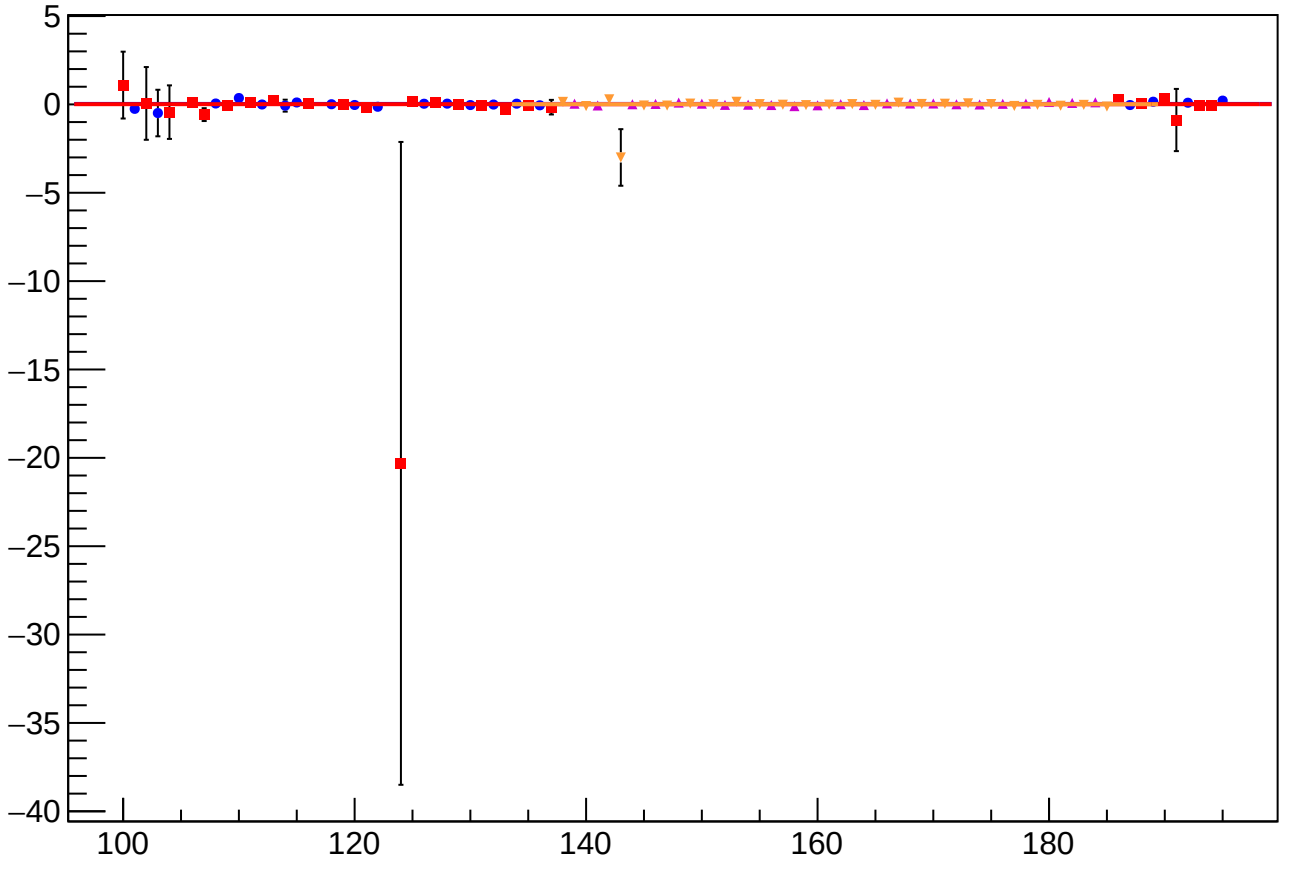
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6502863.0/44

All: 0.000+/-0.000 χ^2/NDF: 13974722.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7470605.6/47

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: 0.012+/-0.023 χ^2/NDF: 23.8/24

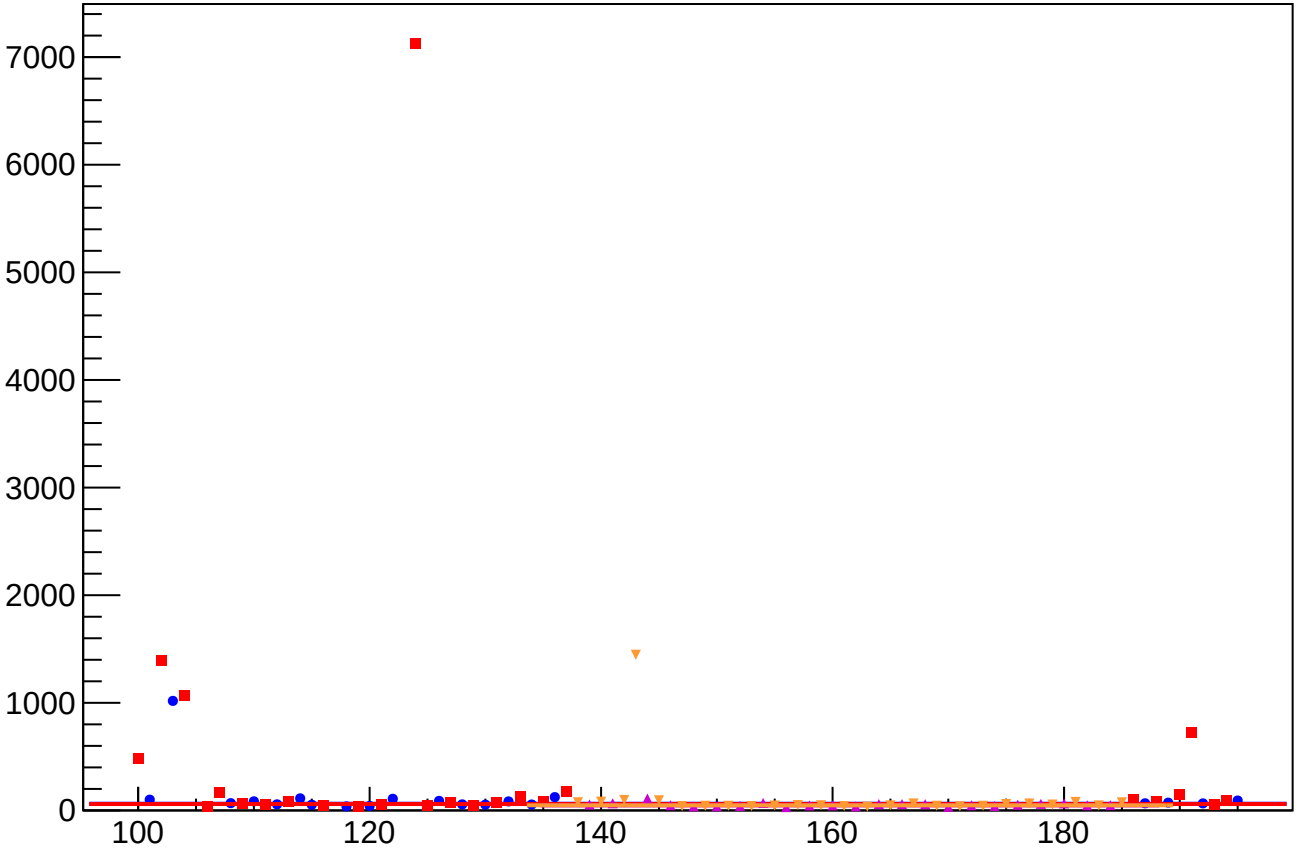
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.5/92

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

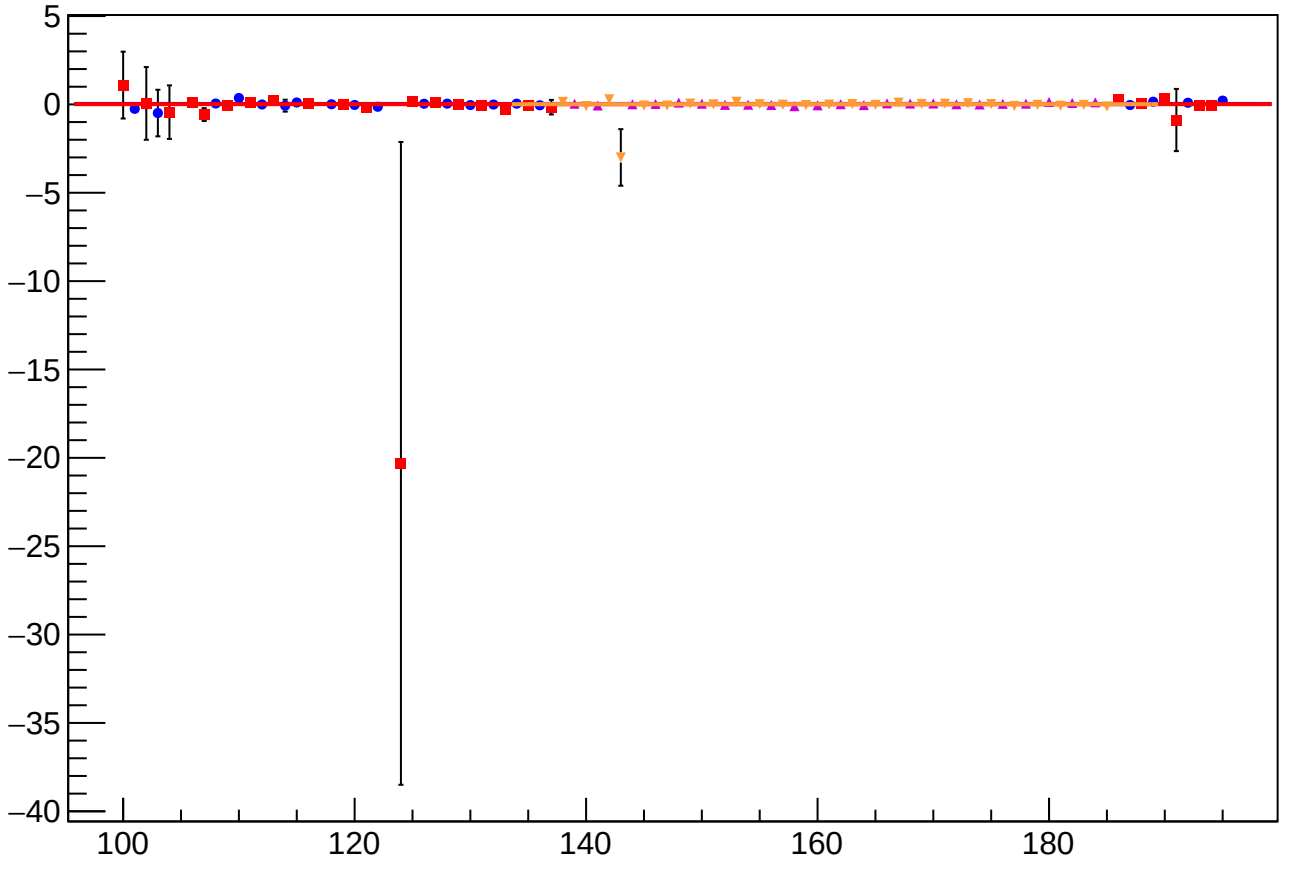
Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764930.0/44

All: 50.323+/-0.005 χ^2/NDF: 13742936.3/92

- sign 49.703+/-0.008 χ^2/NDF: 6964413.7/47



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: 0.012+/-0.023 χ^2/NDF: 23.8/24

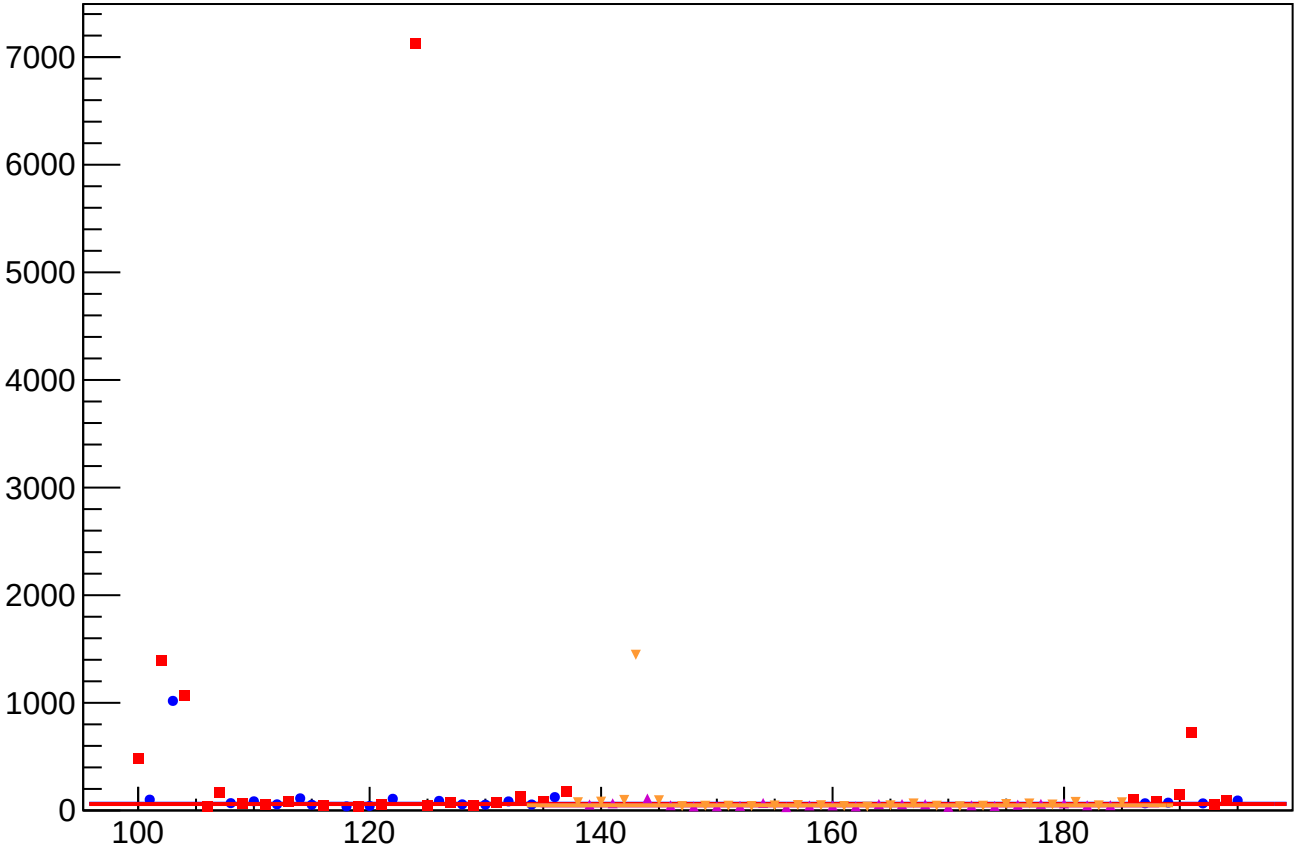
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.5/92

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

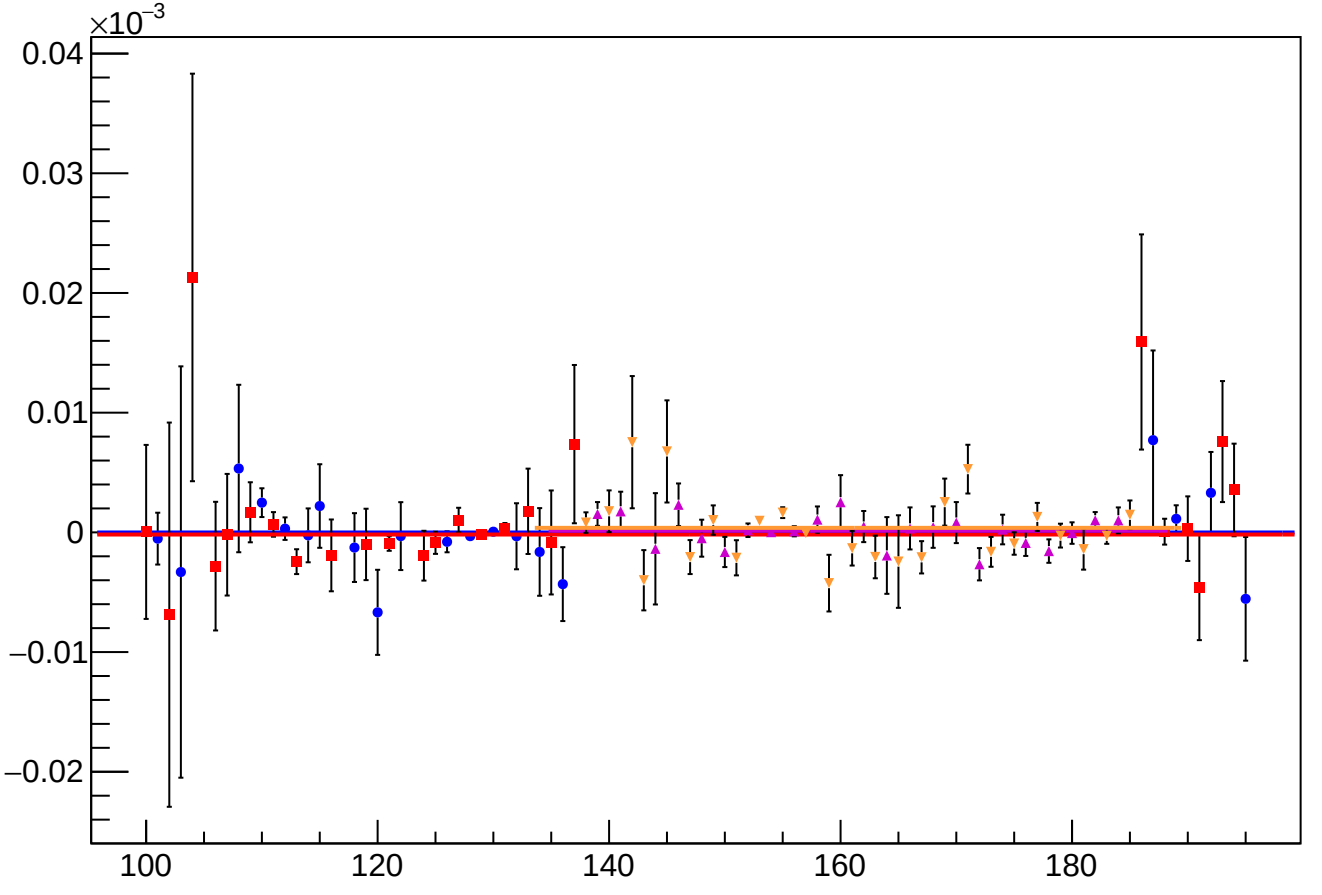
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764930.0/44

All: 50.323+/-0.005 χ^2/NDF: 13742936.3/92

- sign 49.703+/-0.008 χ^2/NDF: 6964413.7/47

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



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: 23.2/24

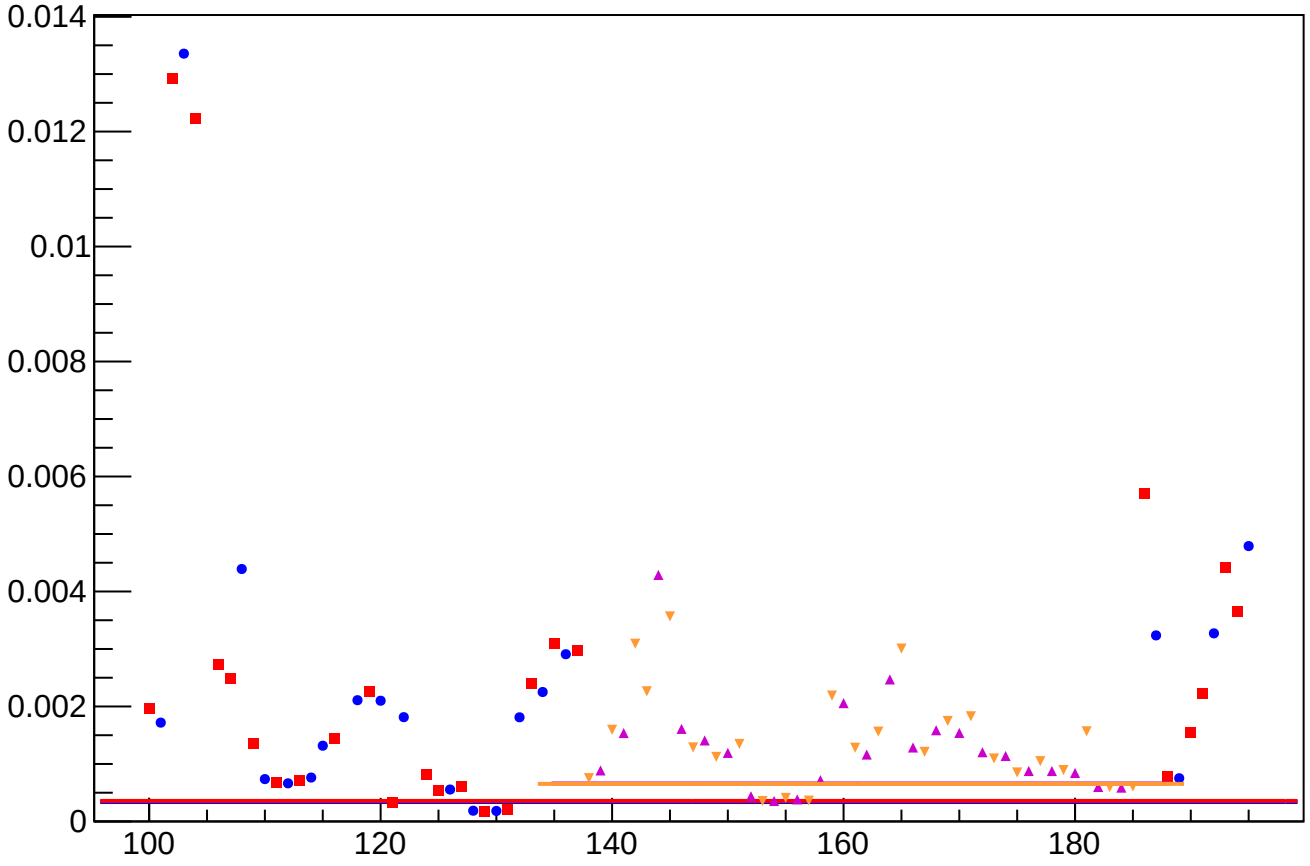
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/44

All: 0.000+/-0.000 χ^2/NDF: 116.7/92

- sign -0.000+/-0.000 χ^2/NDF: 44.6/47

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

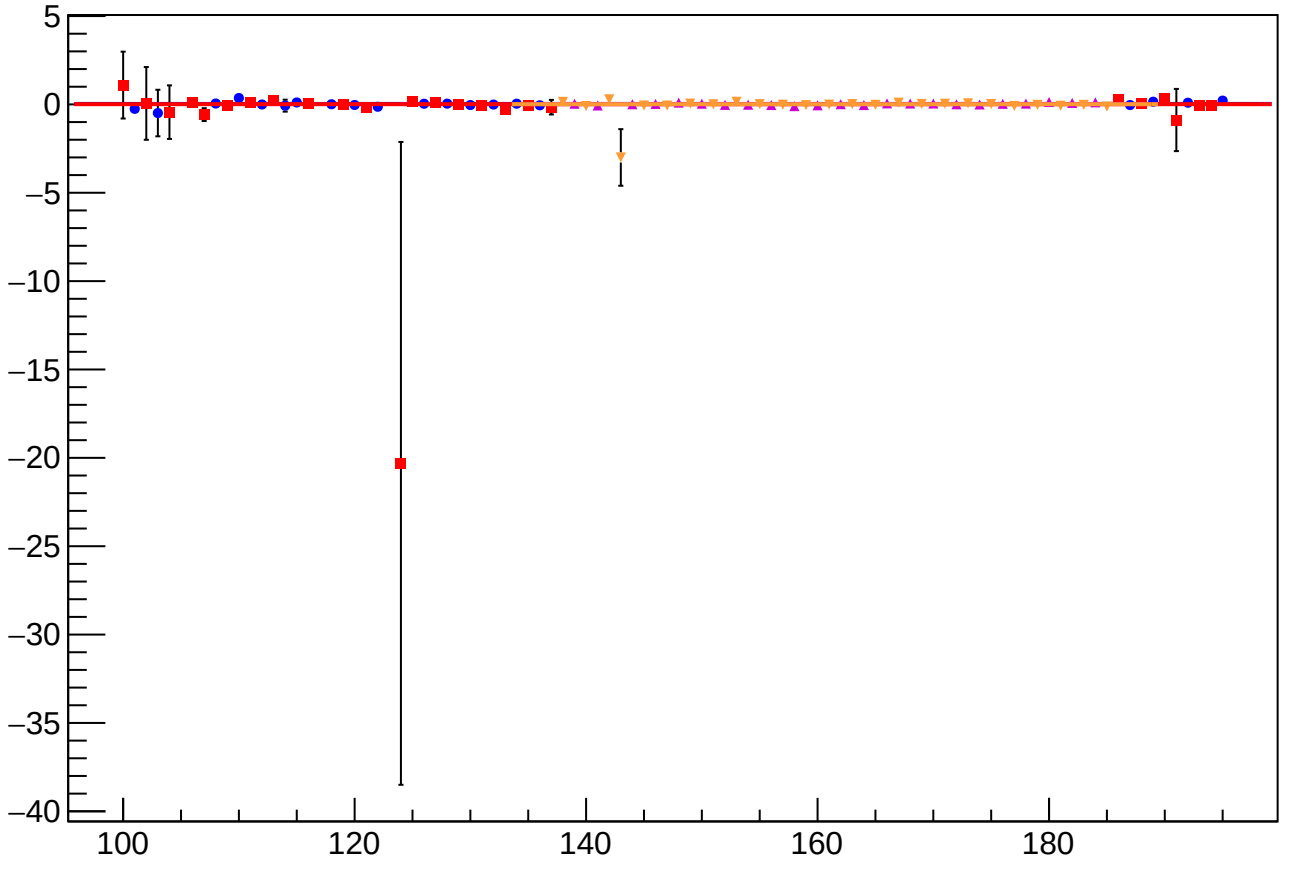
Right Out: 0.000+/-0.000 χ^2/NDF: 12609300.8/24

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: 52192963.4/92

- sign 0.001+/-0.000 χ^2/NDF: 24907173.3/47



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: 0.012+/-0.023 χ^2/NDF: 23.8/24

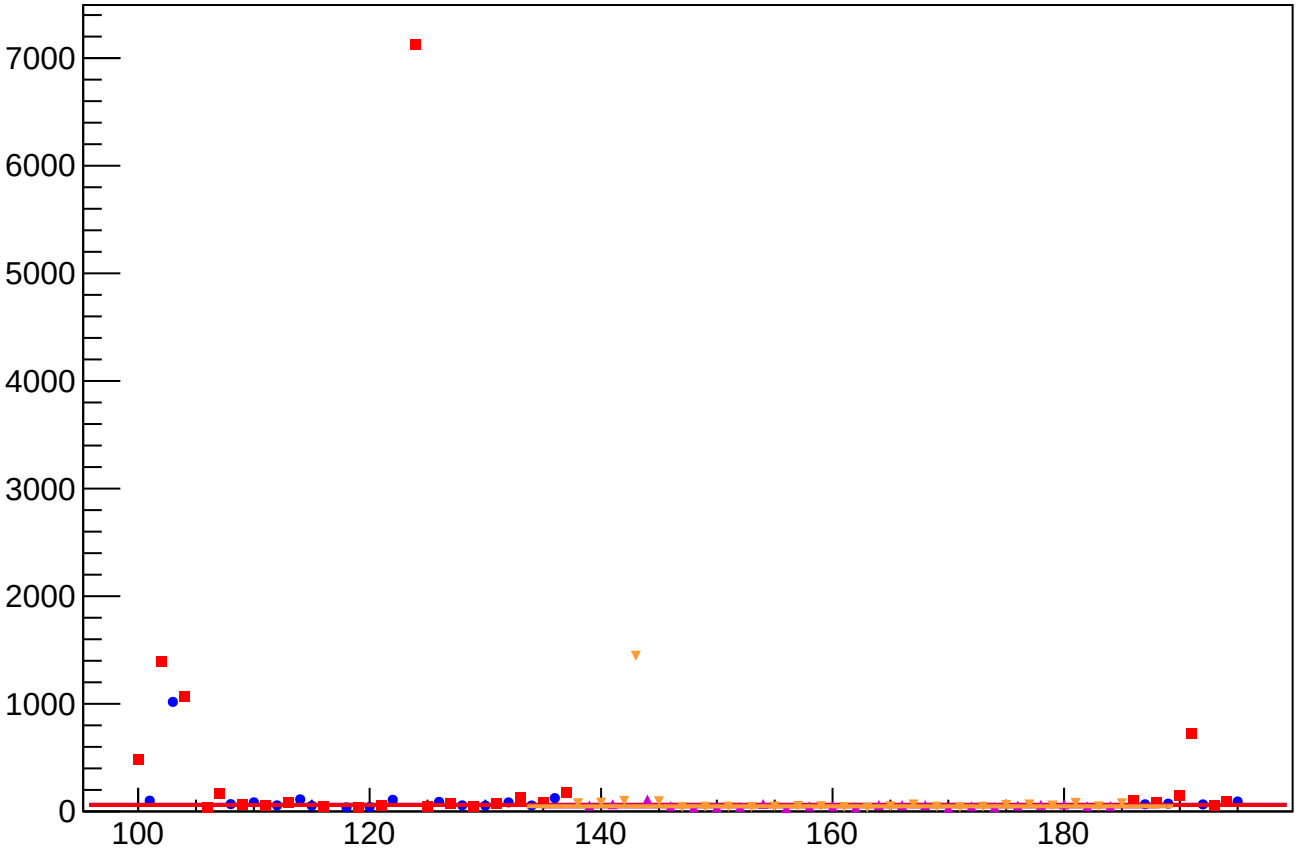
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.5/92

\- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

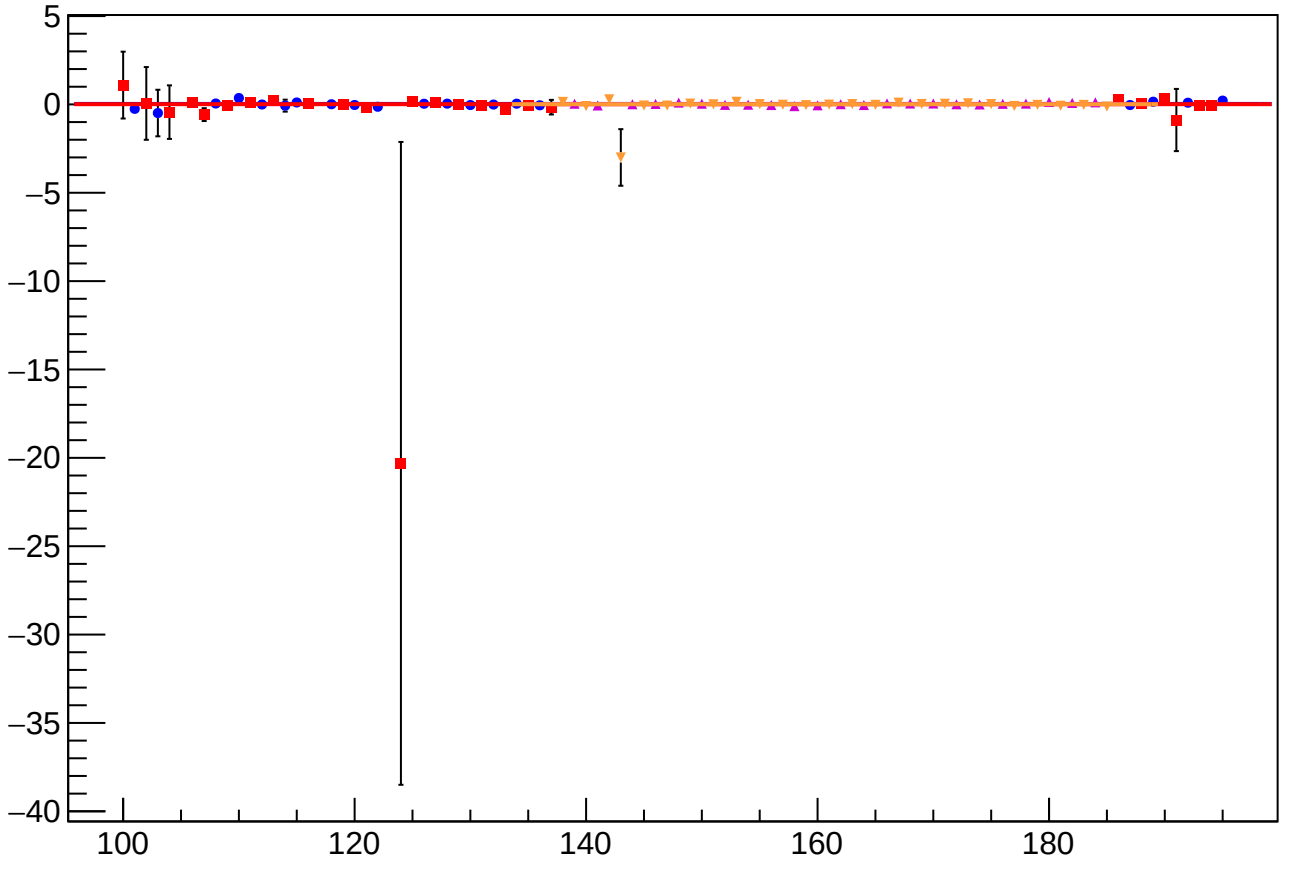
Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764921.3/44

All: 50.323+/-0.005 χ^2/NDF: 13742968.1/92

- sign 49.702+/-0.008 χ^2/NDF: 6964446.1/47



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: 0.012+/-0.023 χ^2/NDF: 23.8/24

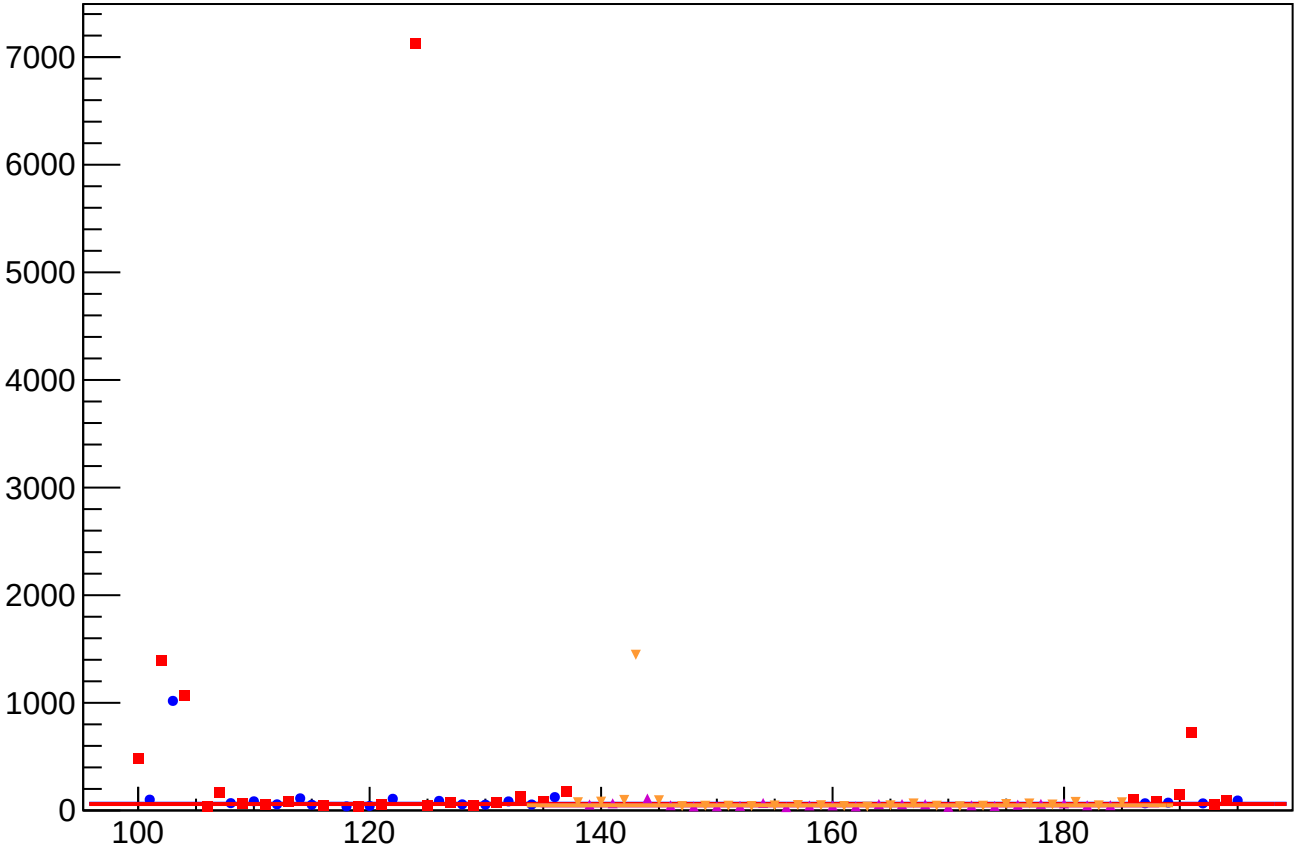
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 46.3/44

All: 0.016+/-0.008 χ^2/NDF: 90.5/92

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

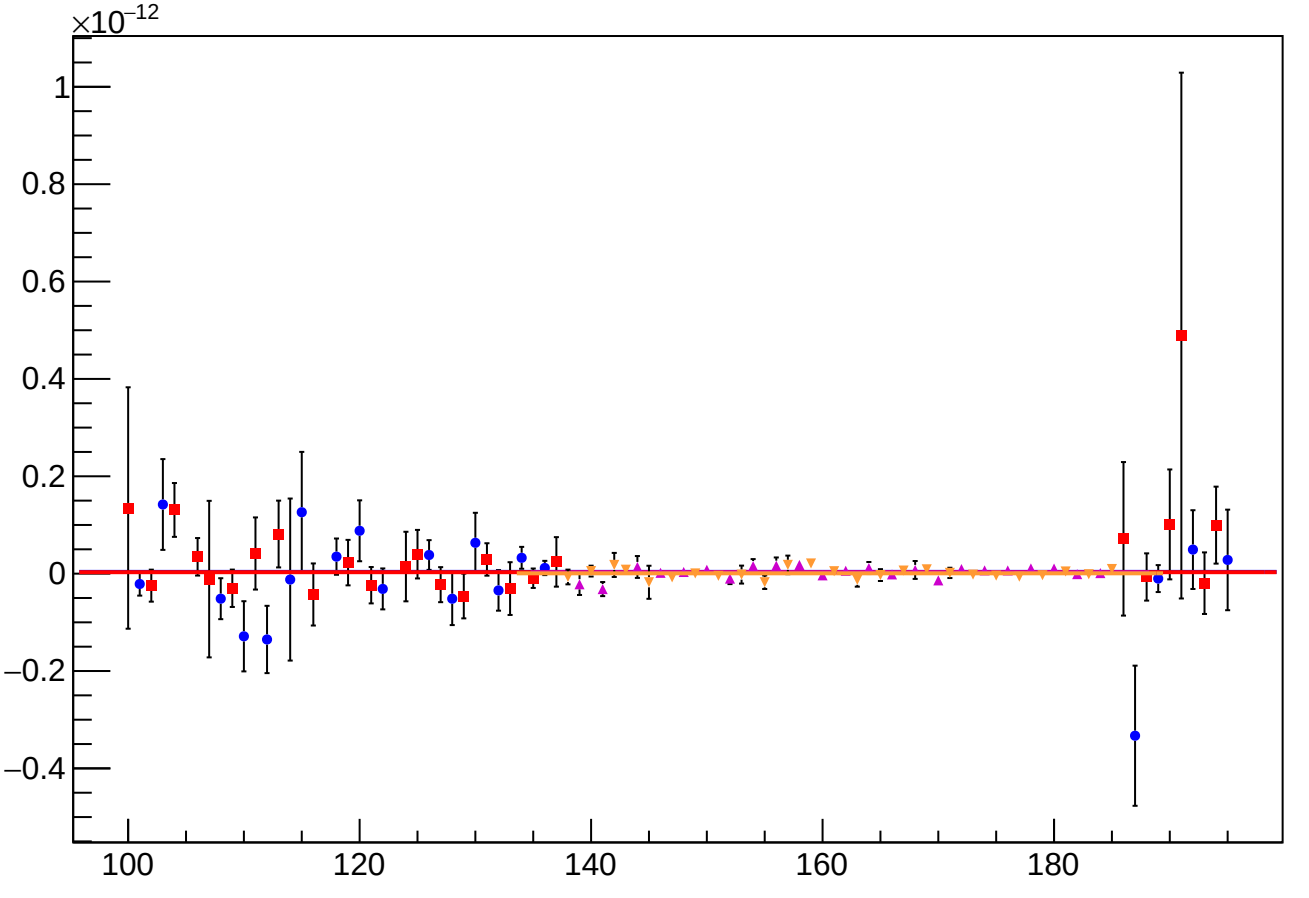
Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.974+/-0.008 χ^2/NDF: 6764921.3/44

All: 50.323+/-0.005 χ^2/NDF: 13742968.1/92

- sign 49.702+/-0.008 χ^2/NDF: 6964446.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

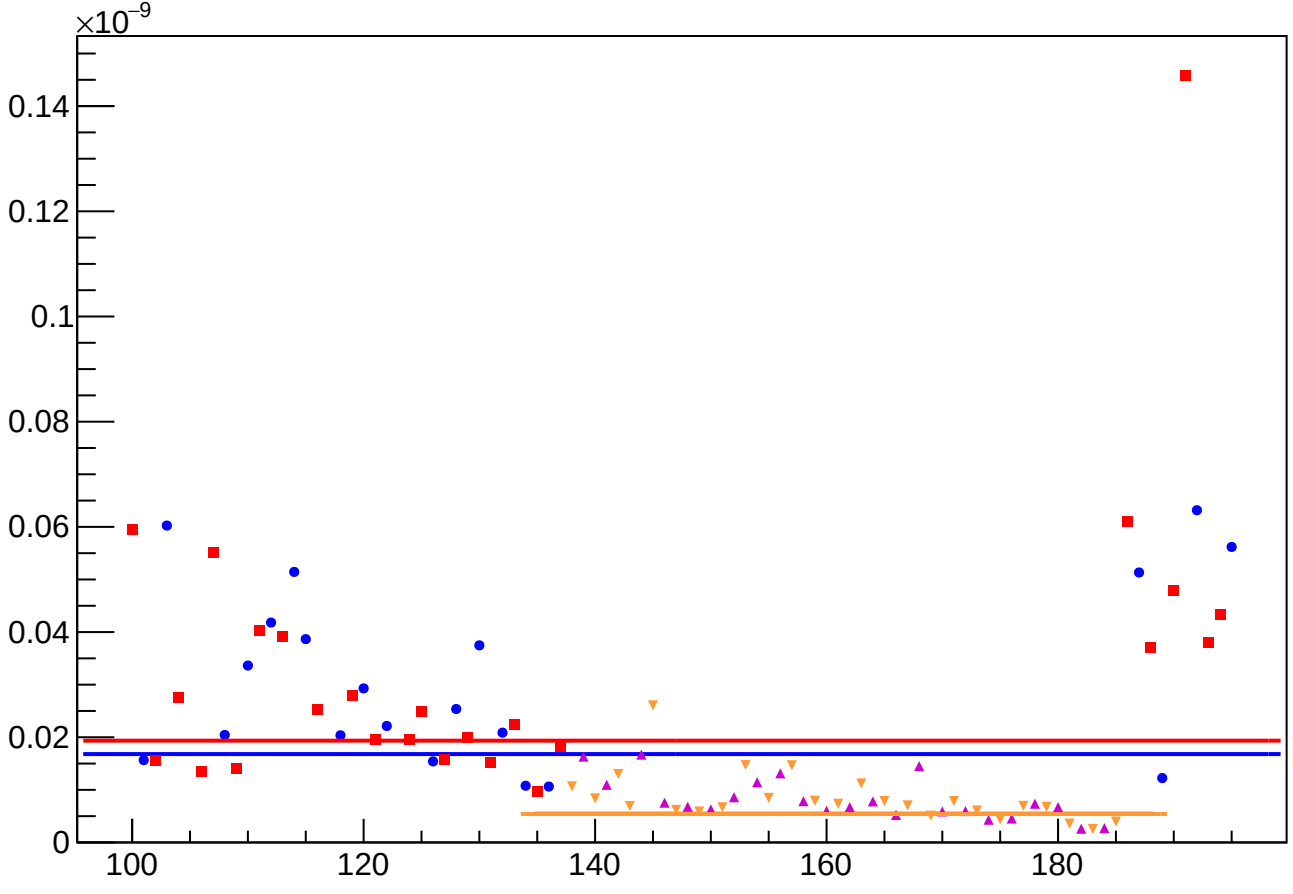
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/24

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: 84.1/92

- sign 0.000+/-0.000 χ^2/NDF: 39.5/47



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: 2277579.4/24

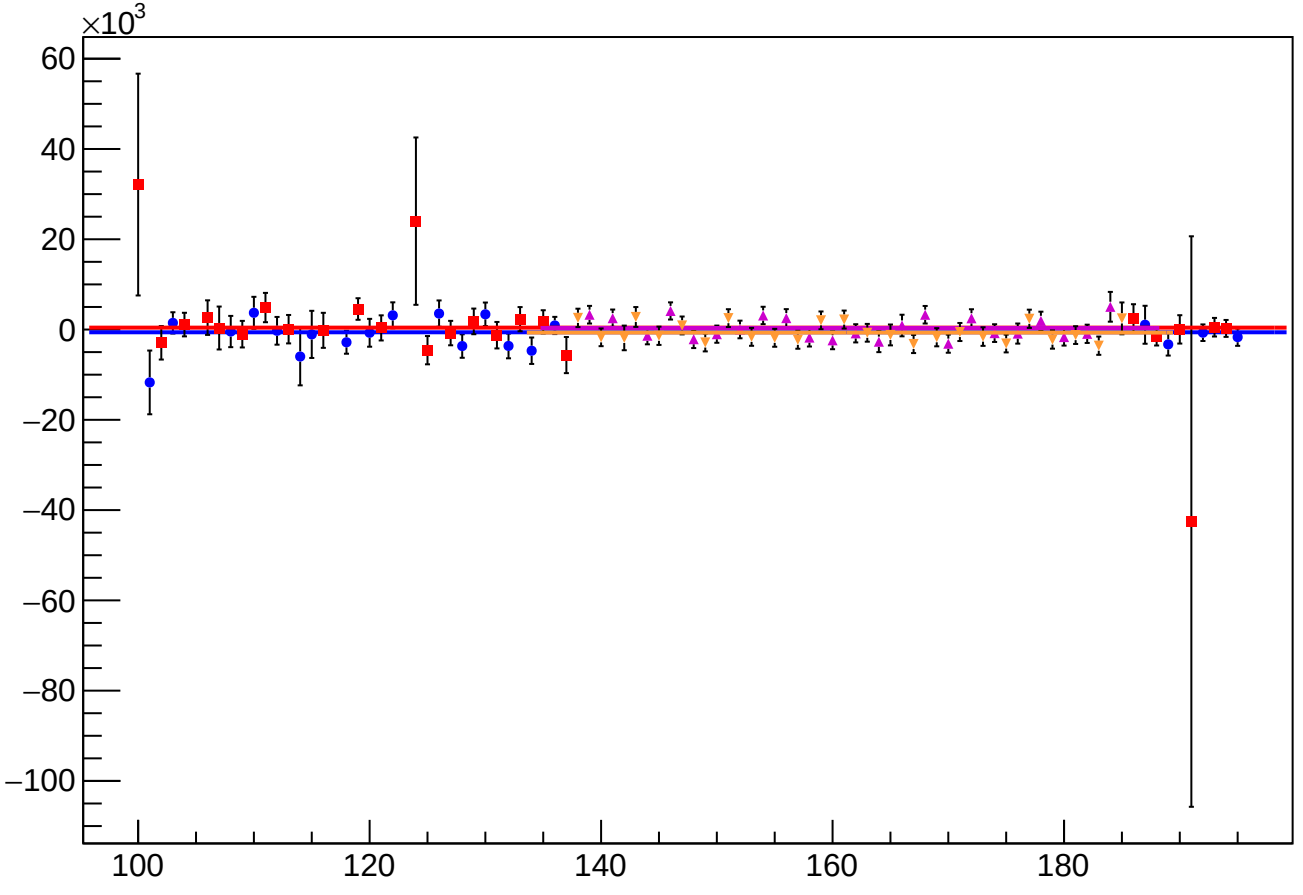
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11880064.6/44

All: 0.000+/-0.000 χ^2/NDF: 23318689.7/92

- sign 0.000+/-0.000 χ^2/NDF: 11437369.5/47

reg_asym_at1_dd_mean vs Slug



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: 422.107+/-593.556 χ^2/NDF: 18.0/24

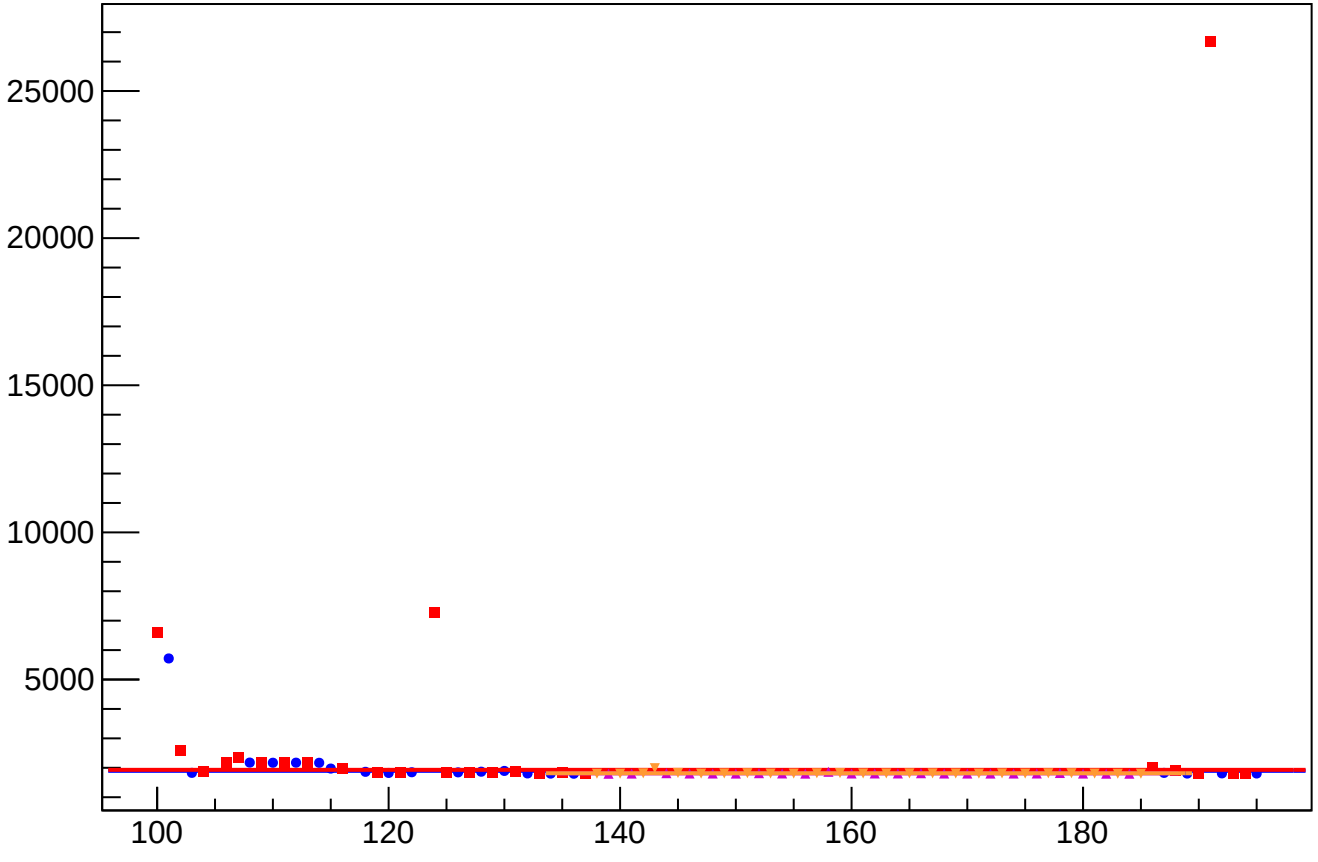
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -650.680+/-342.582 χ^2/NDF: 43.9/44

All: -143.128+/-242.854 χ^2/NDF: 96.4/92

- sign 369.584+/-344.319 χ^2/NDF: 48.1/47

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: 1930.447+/-0.420 χ^2/NDF: 714648.2/24

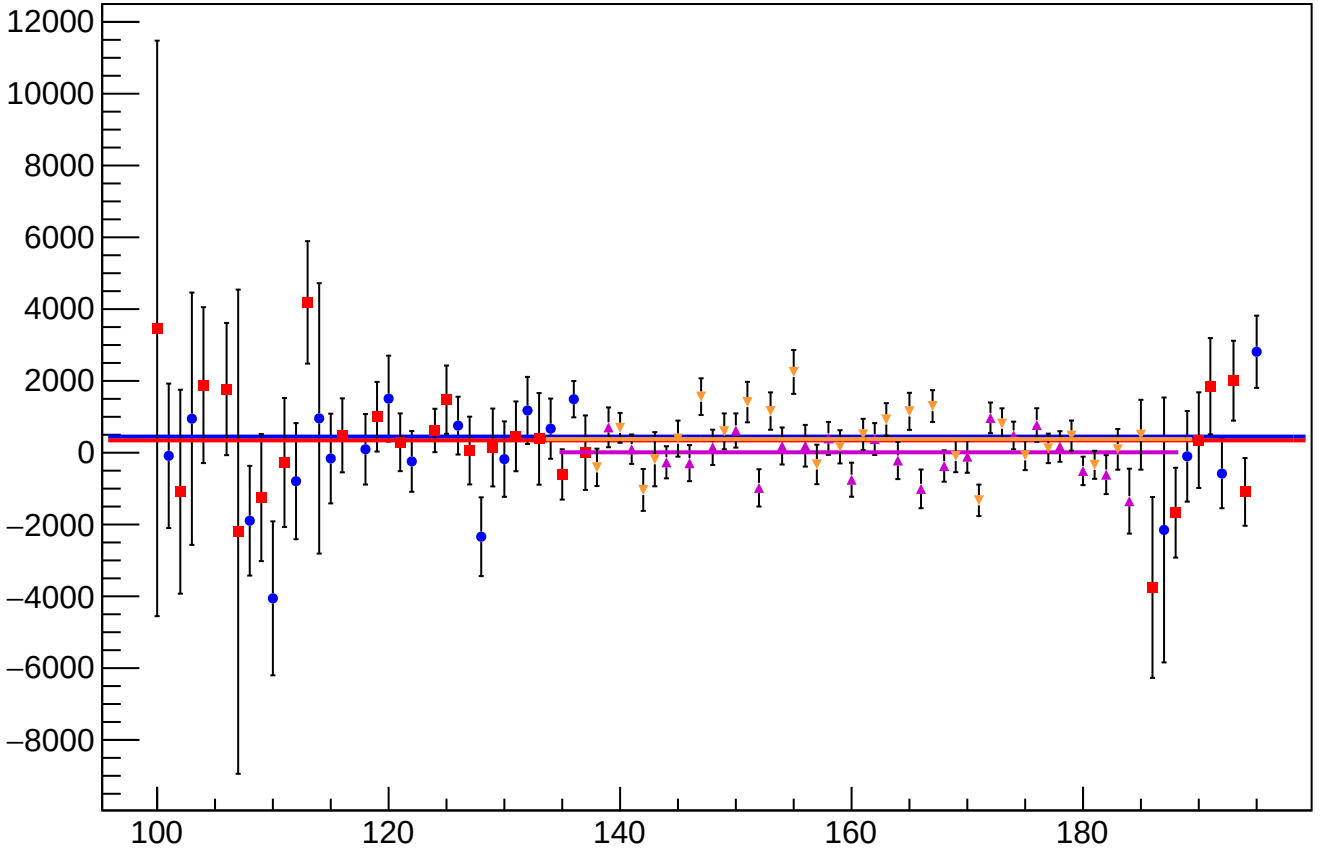
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.4/44

All: 1845.372+/-0.172 χ^2/NDF: 1466957.0/92

- sign 1850.835+/-0.243 χ^2/NDF: 770844.4/47

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: 343.294+/-226.507 χ^2/NDF: 22.9/24

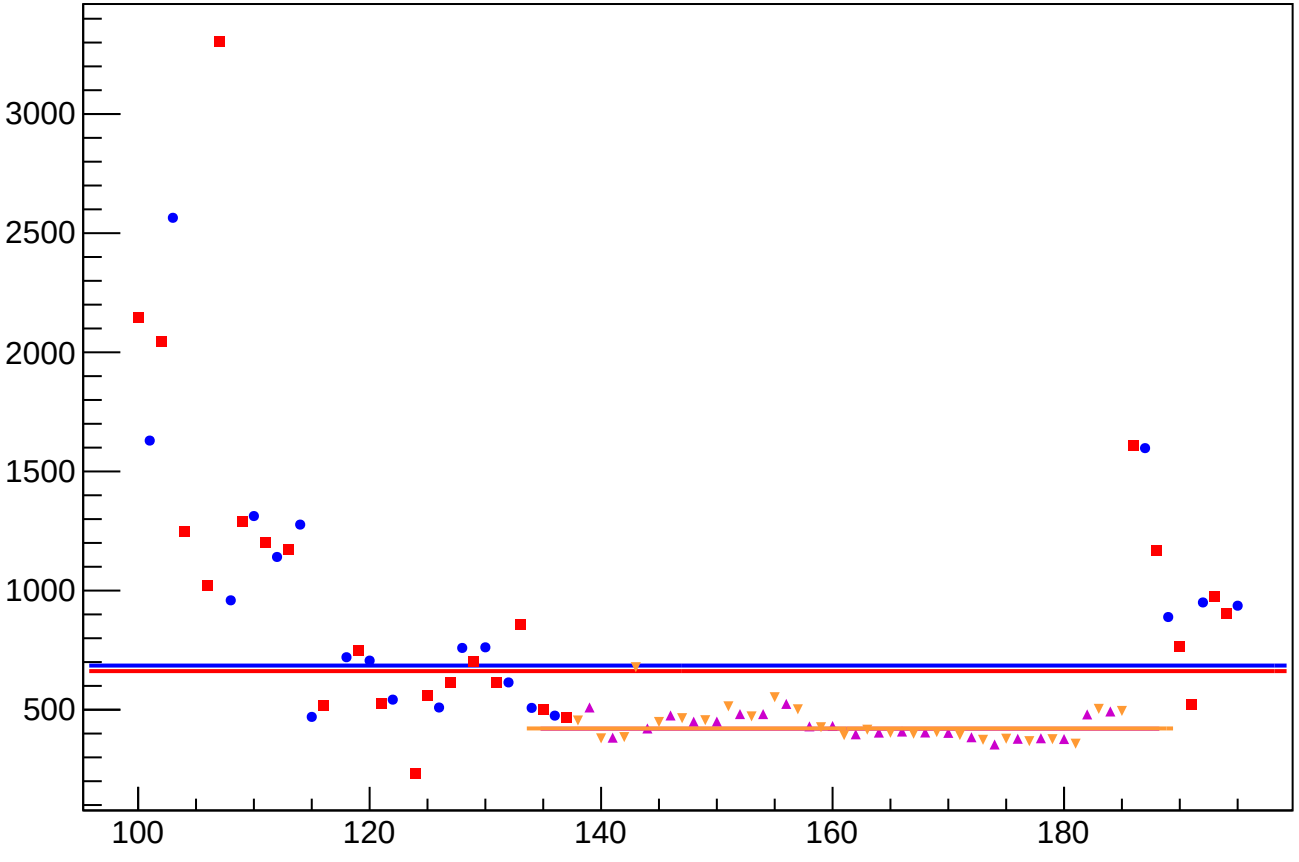
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 389.280+/-89.812 χ^2/NDF: 90.9/44

All: 228.587+/-63.817 χ^2/NDF: 153.2/92

- sign 64.719+/-90.695 χ^2/NDF: 55.8/47

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: 662.050+/-0.160 χ^2/NDF: 3998129.8/24

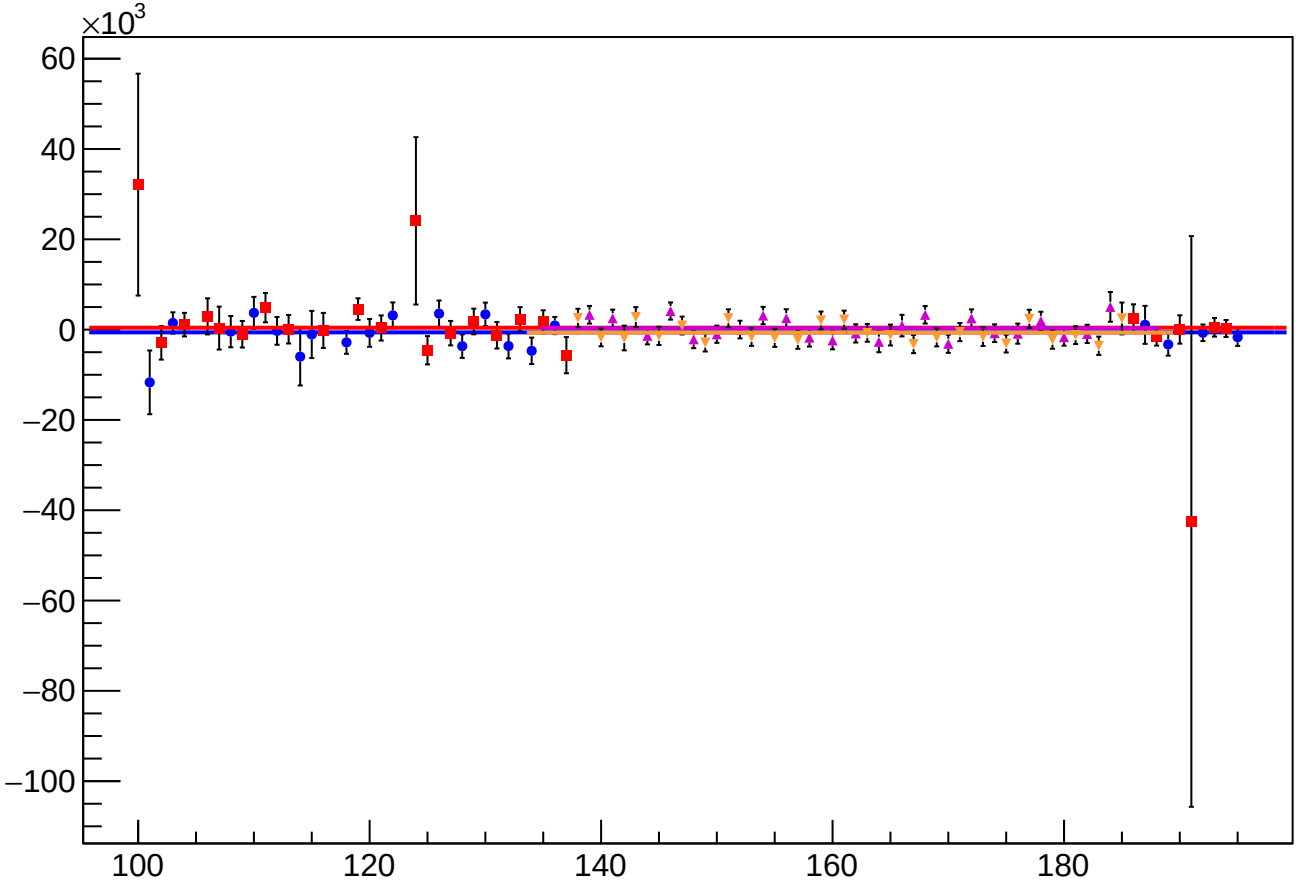
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 459.144+/-0.064 χ^2/NDF: 5446713.0/44

All: 459.070+/-0.045 χ^2/NDF: 11772172.8/92

- sign 458.994+/-0.064 χ^2/NDF: 6325457.0/47

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: 424.773+/-594.119 χ^2/NDF: 18.1/24

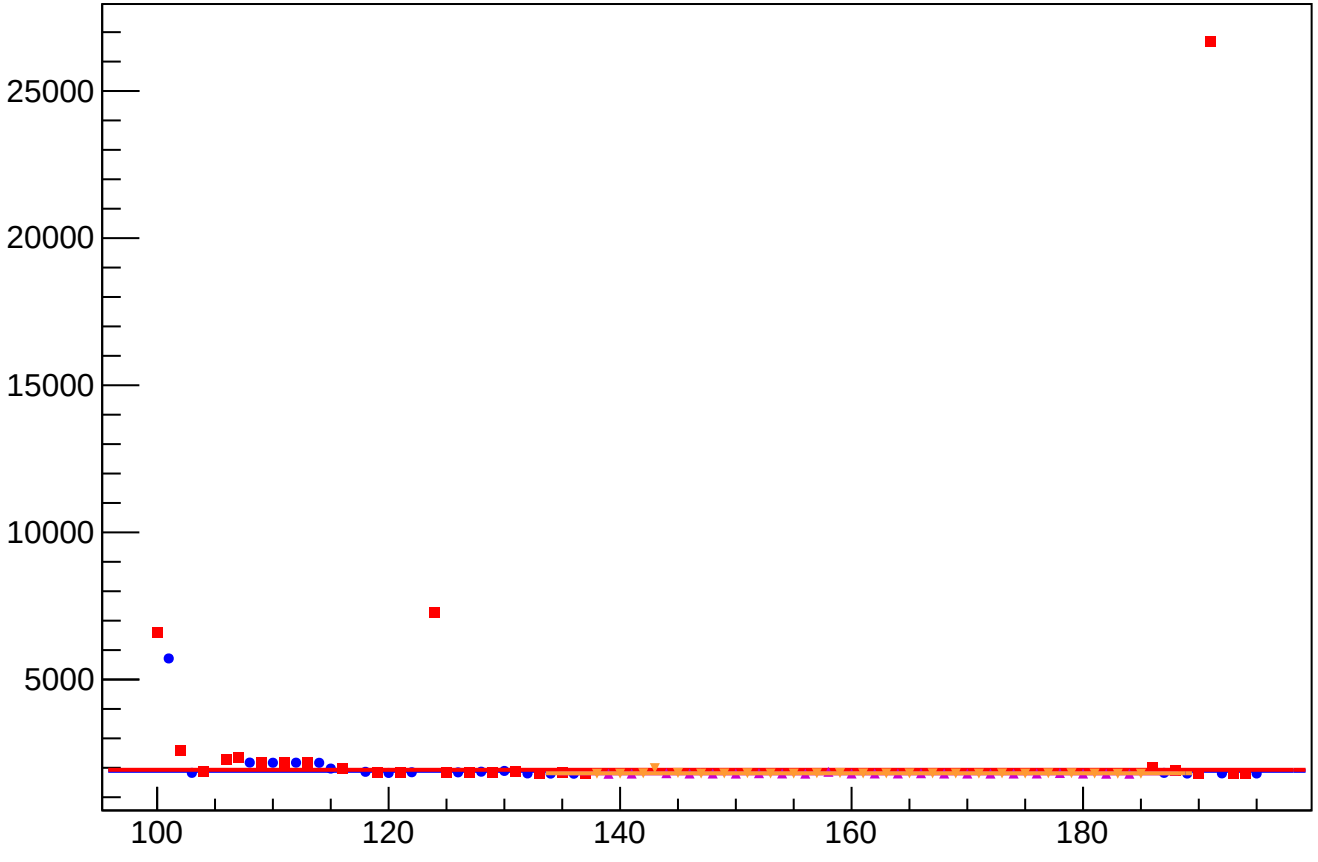
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -650.512+/-342.582 χ^2/NDF: 43.9/44

All: -142.763+/-242.892 χ^2/NDF: 96.4/92

- sign 370.476+/-344.429 χ^2/NDF: 48.1/47

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: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

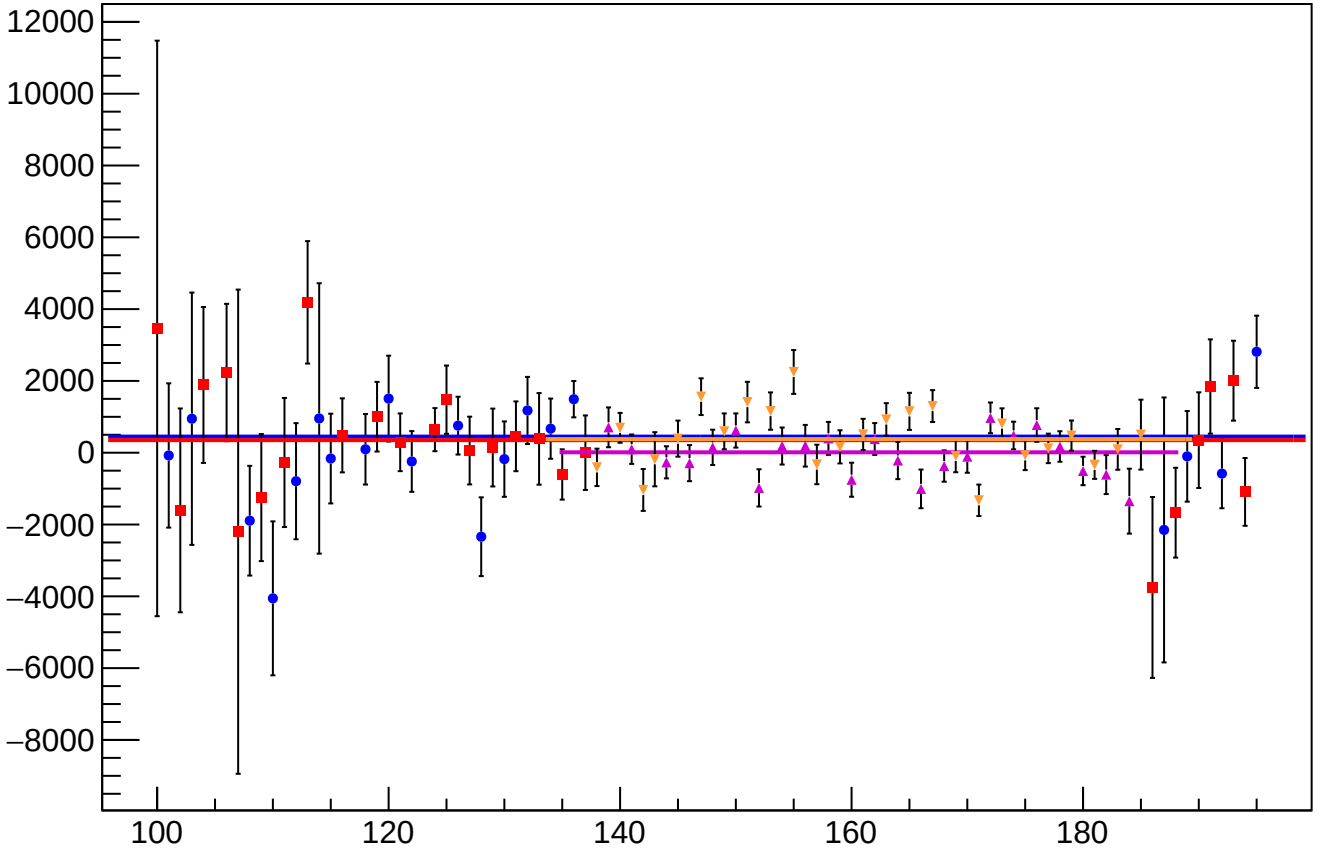
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.3/44

All: 1845.566+/-0.172 χ^2/NDF: 1473571.1/92

- sign 1851.231+/-0.244 χ^2/NDF: 777384.8/47

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: 350.289+/-226.263 χ^2/NDF: 23.6/24

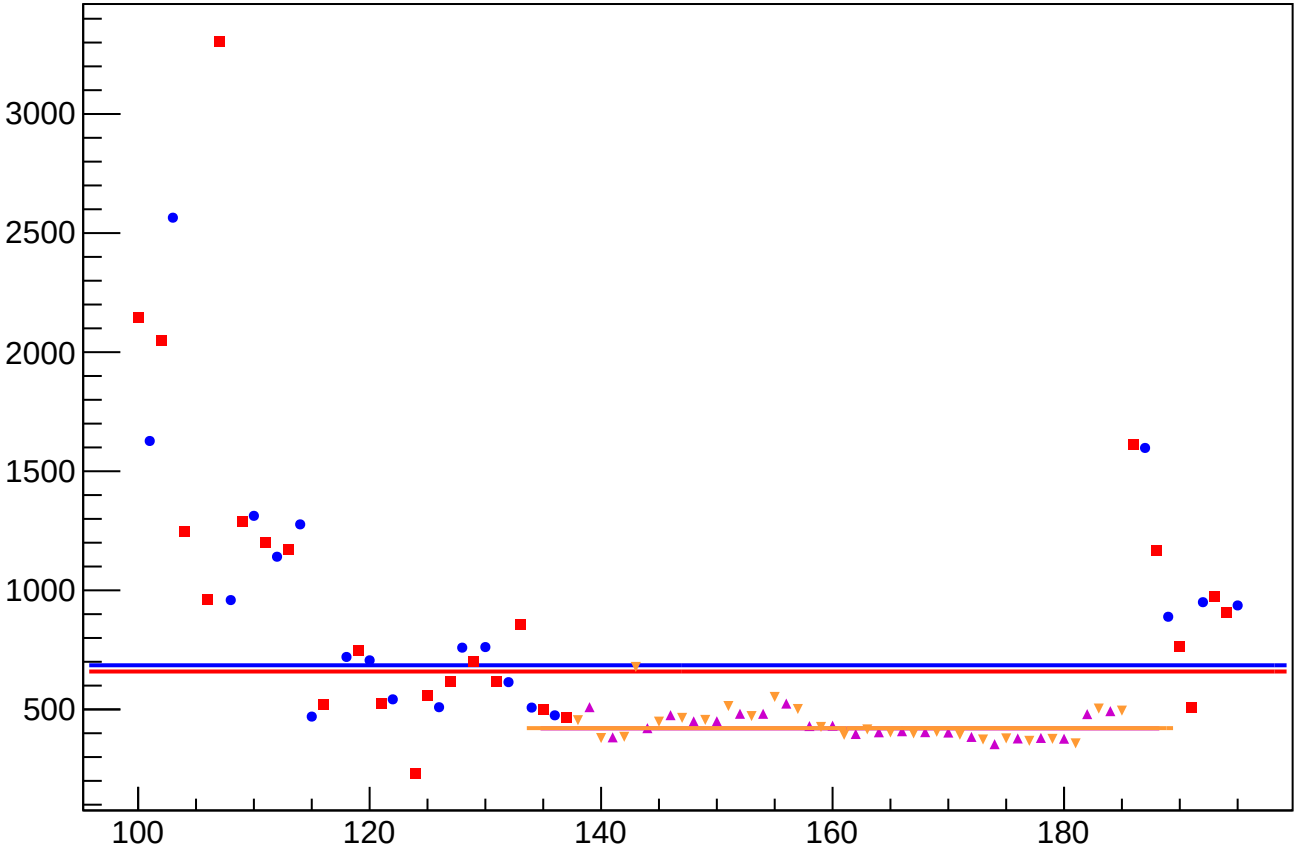
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 389.277+/-89.813 χ^2/NDF: 90.9/44

All: 229.165+/-63.811 χ^2/NDF: 153.9/92

- sign 65.948+/-90.679 χ^2/NDF: 56.6/47

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: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

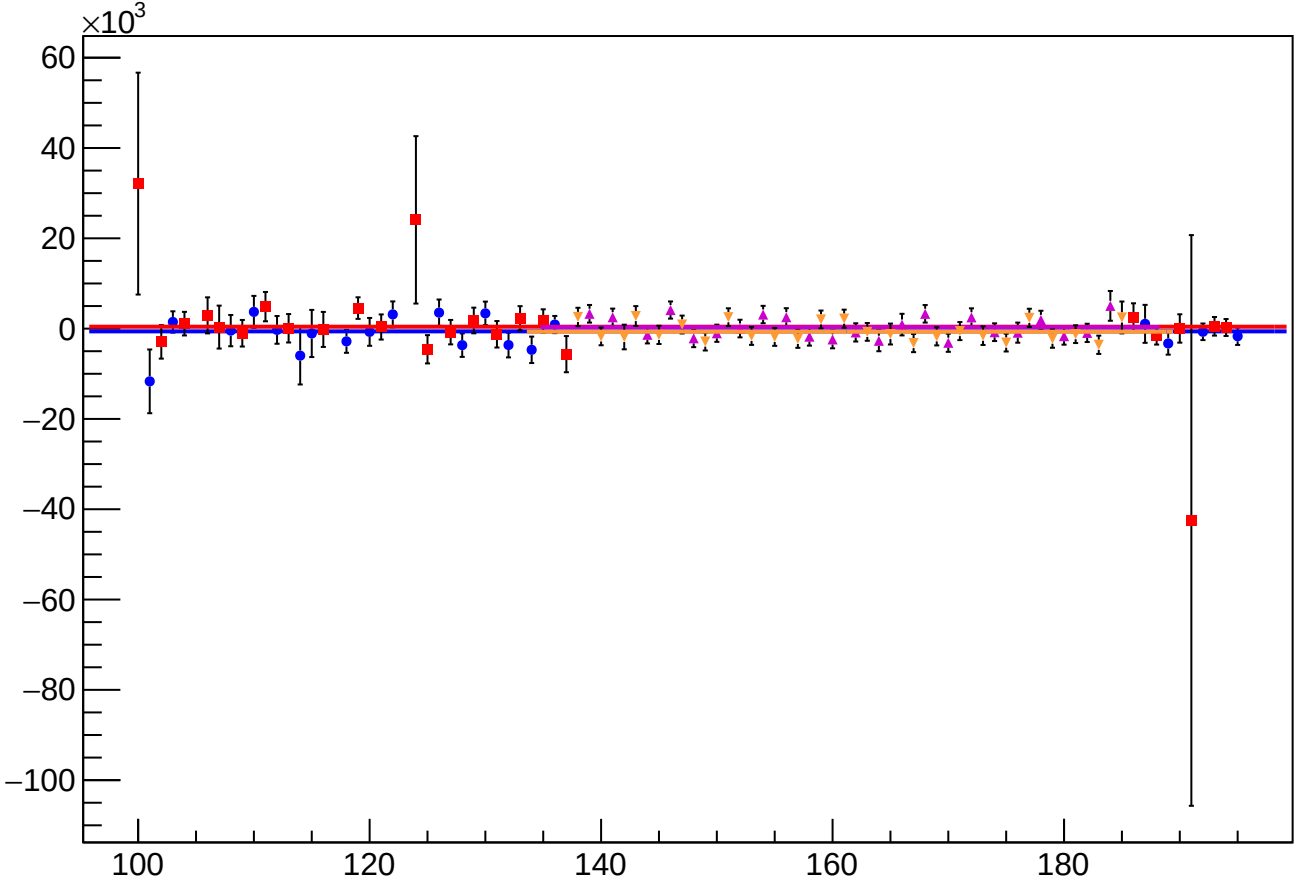
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 459.149+/-0.064 χ^2/NDF: 5445812.0/44

All: 458.875+/-0.045 χ^2/NDF: 11732612.7/92

- sign 458.597+/-0.064 χ^2/NDF: 6286763.2/47

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: 424.773+/-594.119 χ^2/NDF: 18.1/24

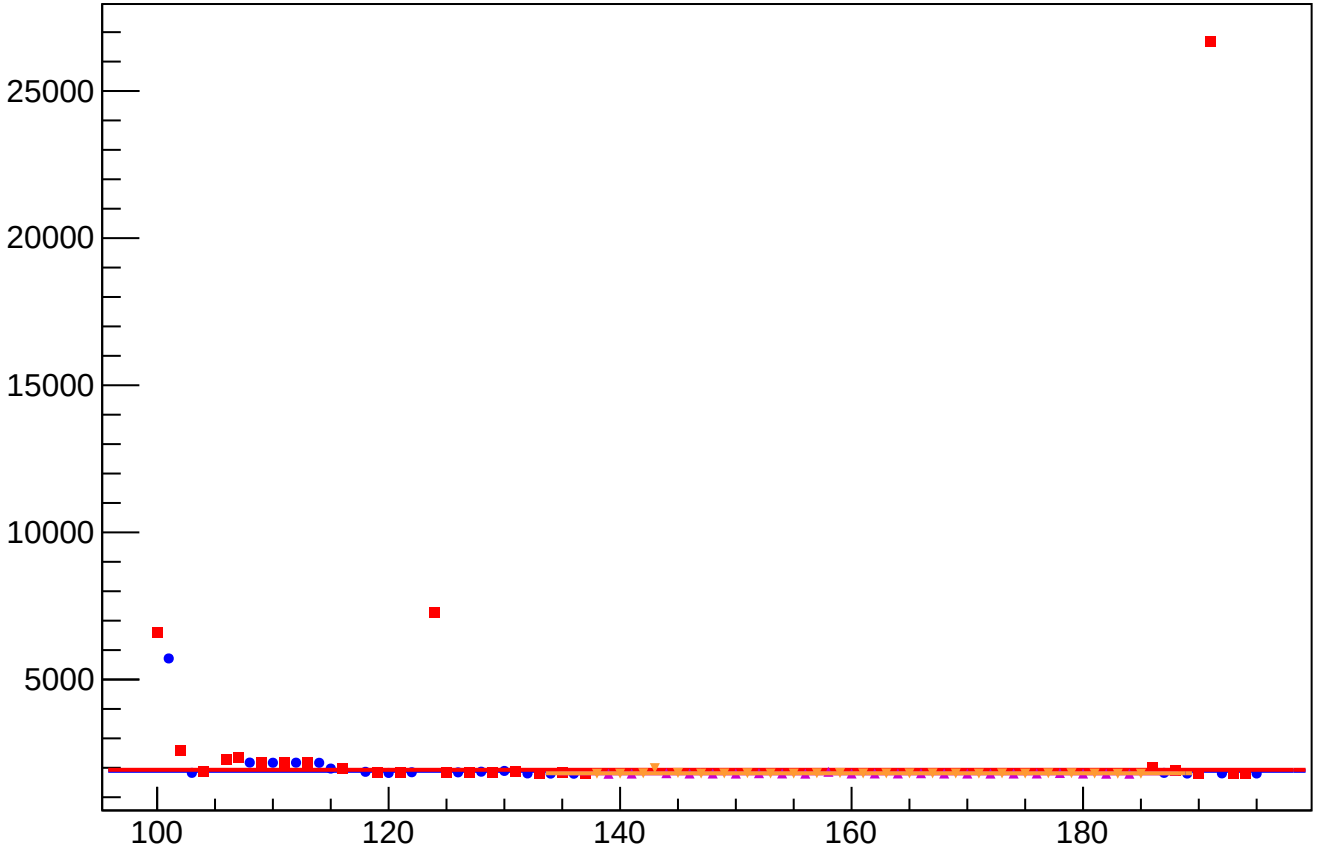
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -650.512+/-342.582 χ^2/NDF: 43.9/44

All: -142.763+/-242.892 χ^2/NDF: 96.4/92

- sign 370.476+/-344.429 χ^2/NDF: 48.1/47

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: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

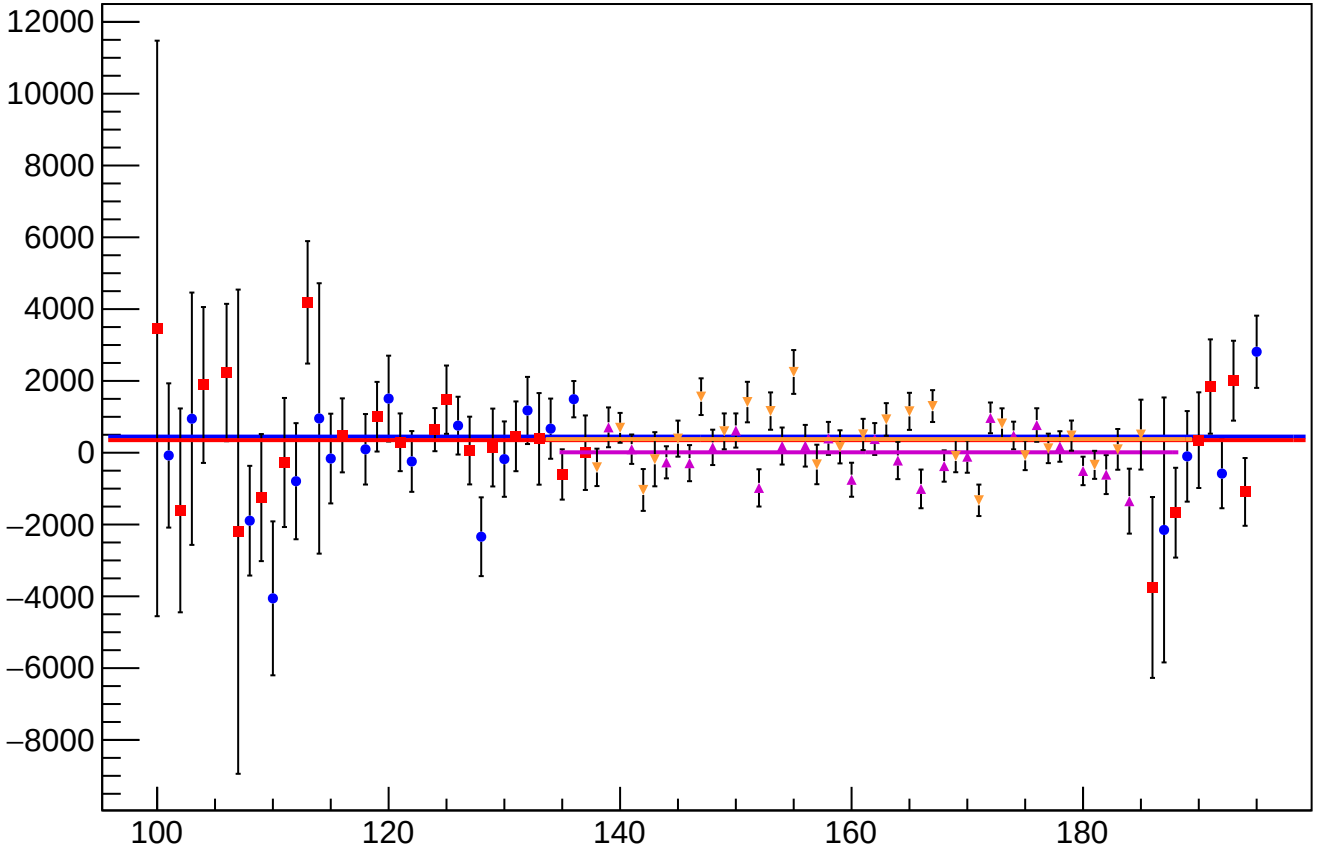
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.963+/-0.242 χ^2/NDF: 695110.3/44

All: 1845.566+/-0.172 χ^2/NDF: 1473571.1/92

- sign 1851.231+/-0.244 χ^2/NDF: 777384.8/47

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: 350.289+/-226.263 χ^2/NDF: 23.6/24

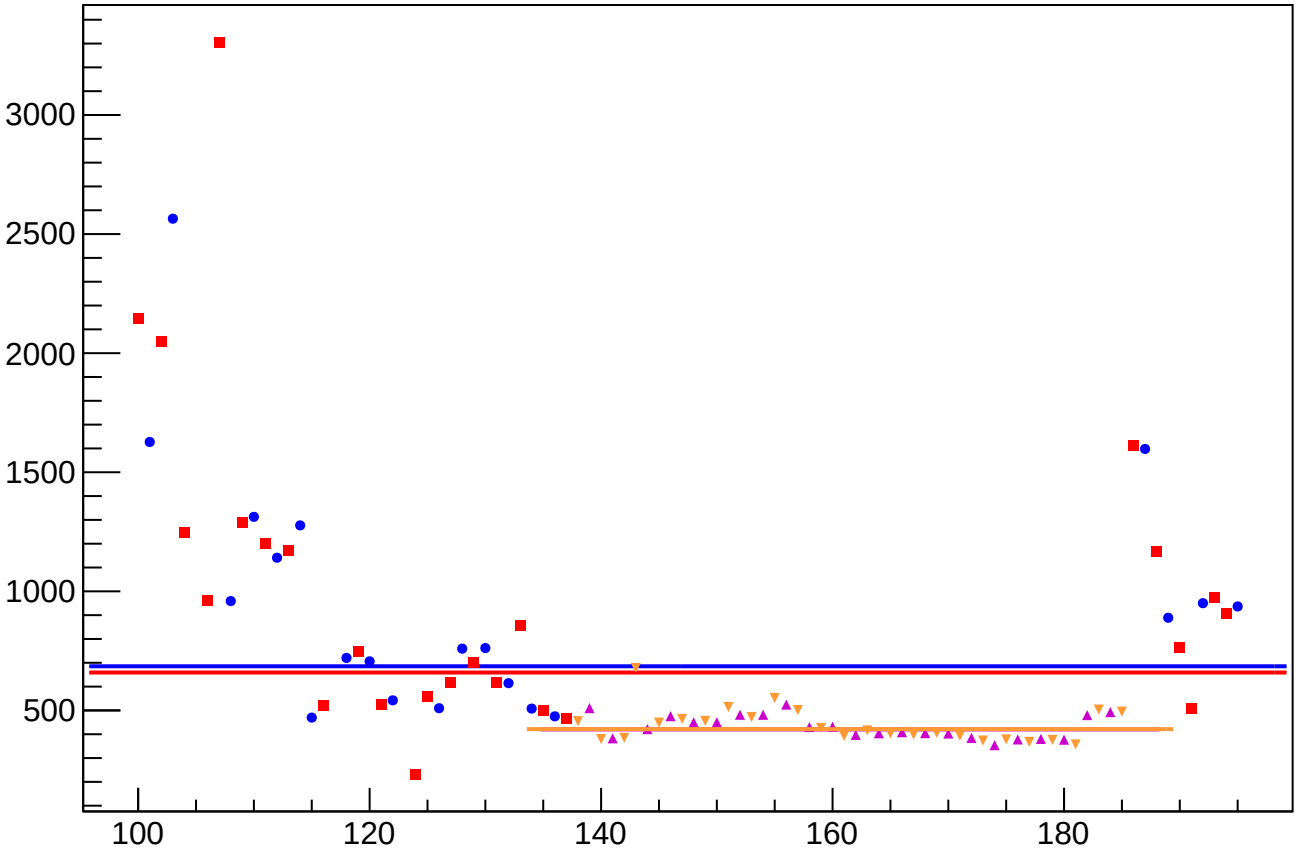
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 389.277+/-89.813 χ^2/NDF: 90.9/44

All: 229.165+/-63.811 χ^2/NDF: 153.9/92

- sign 65.948+/-90.679 χ^2/NDF: 56.6/47

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: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

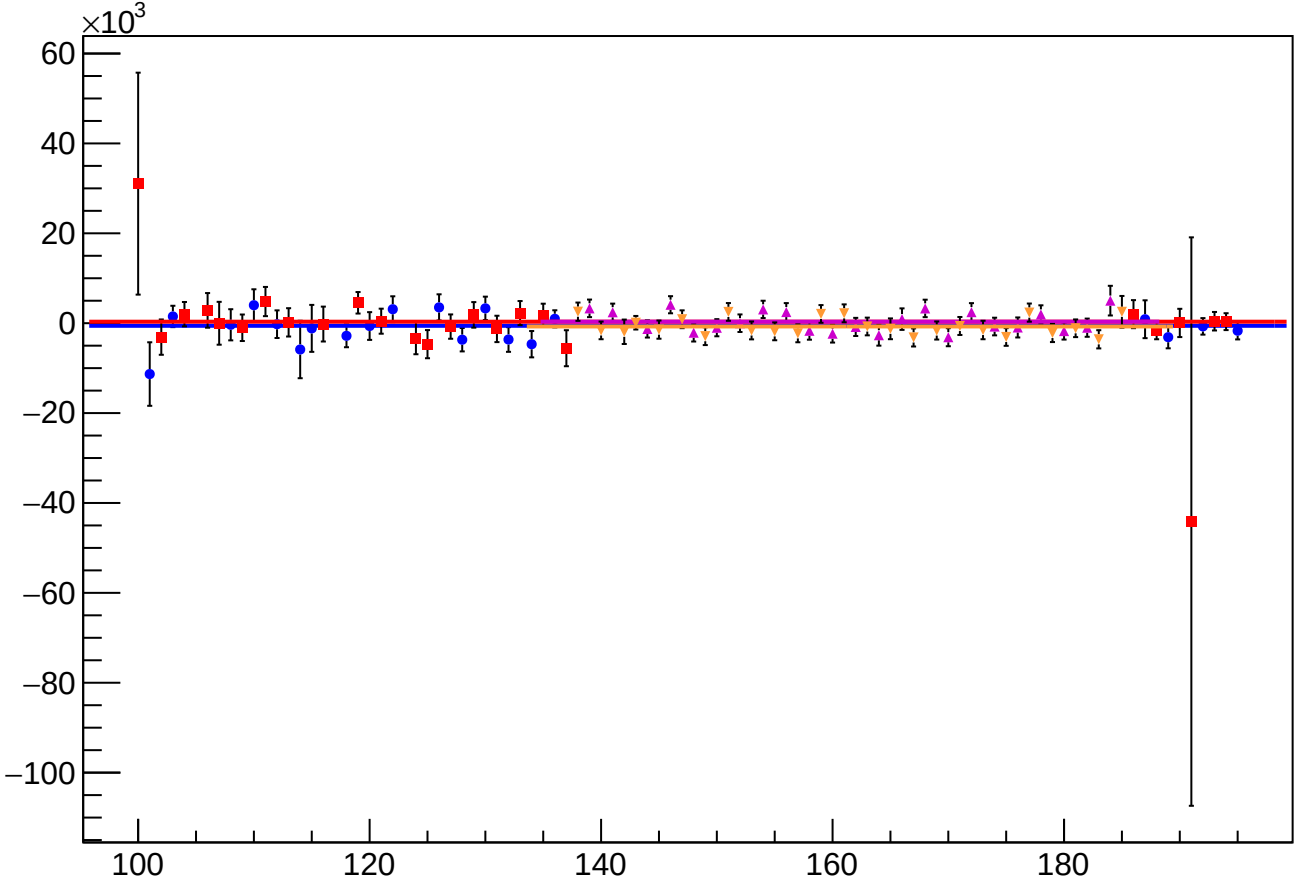
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 459.149+/-0.064 χ^2/NDF: 5445812.0/44

All: 458.875+/-0.045 χ^2/NDF: 11732612.7/92

- sign 458.597+/-0.064 χ^2/NDF: 6286763.2/47

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: 332.841+/-588.196 χ^2/NDF: 17.5/24

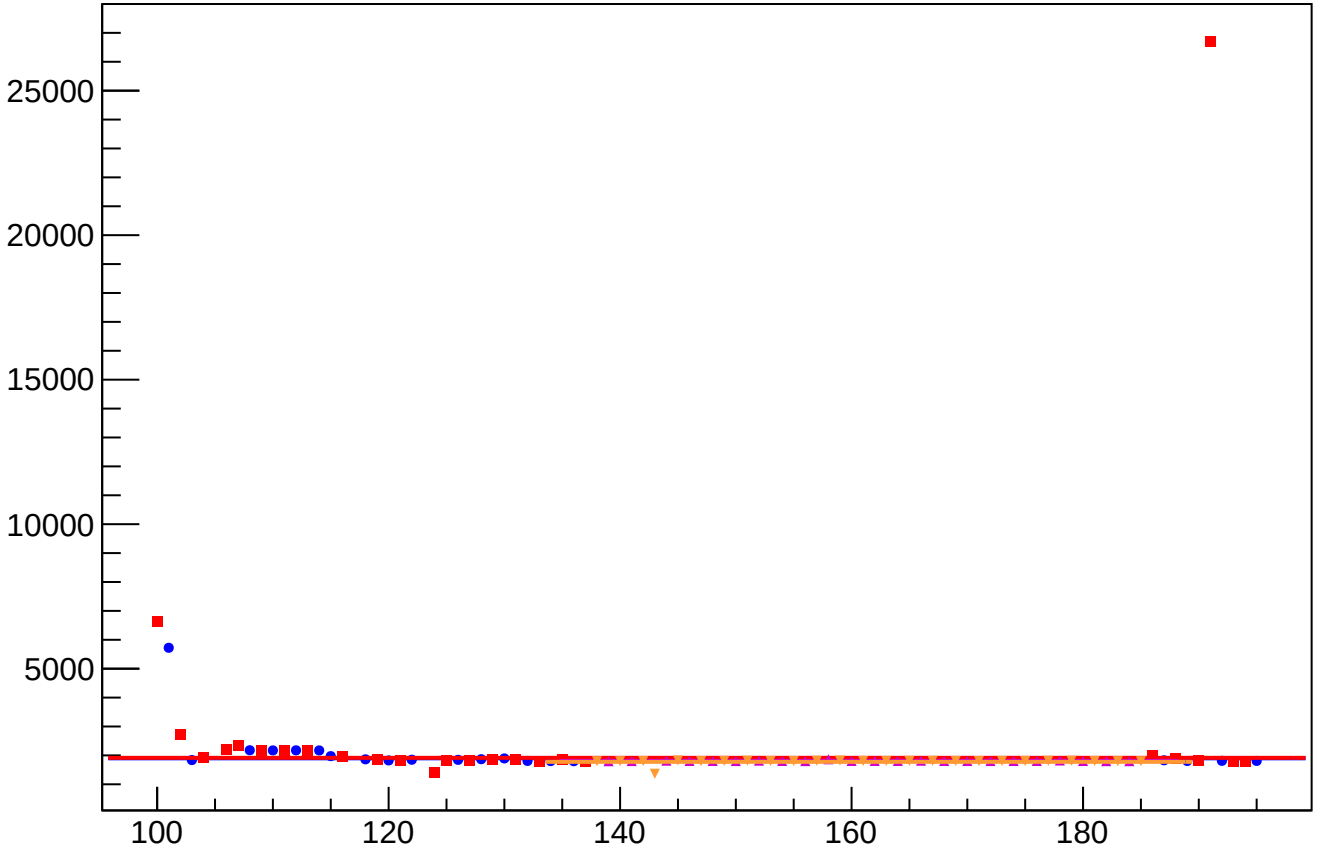
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -680.638+/-338.183 χ^2/NDF: 41.1/44

All: -178.848+/-240.935 χ^2/NDF: 92.7/92

- sign 338.367+/-343.342 χ^2/NDF: 47.1/47

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: 1915.577+/-0.416 χ^2/NDF: 606101.2/24

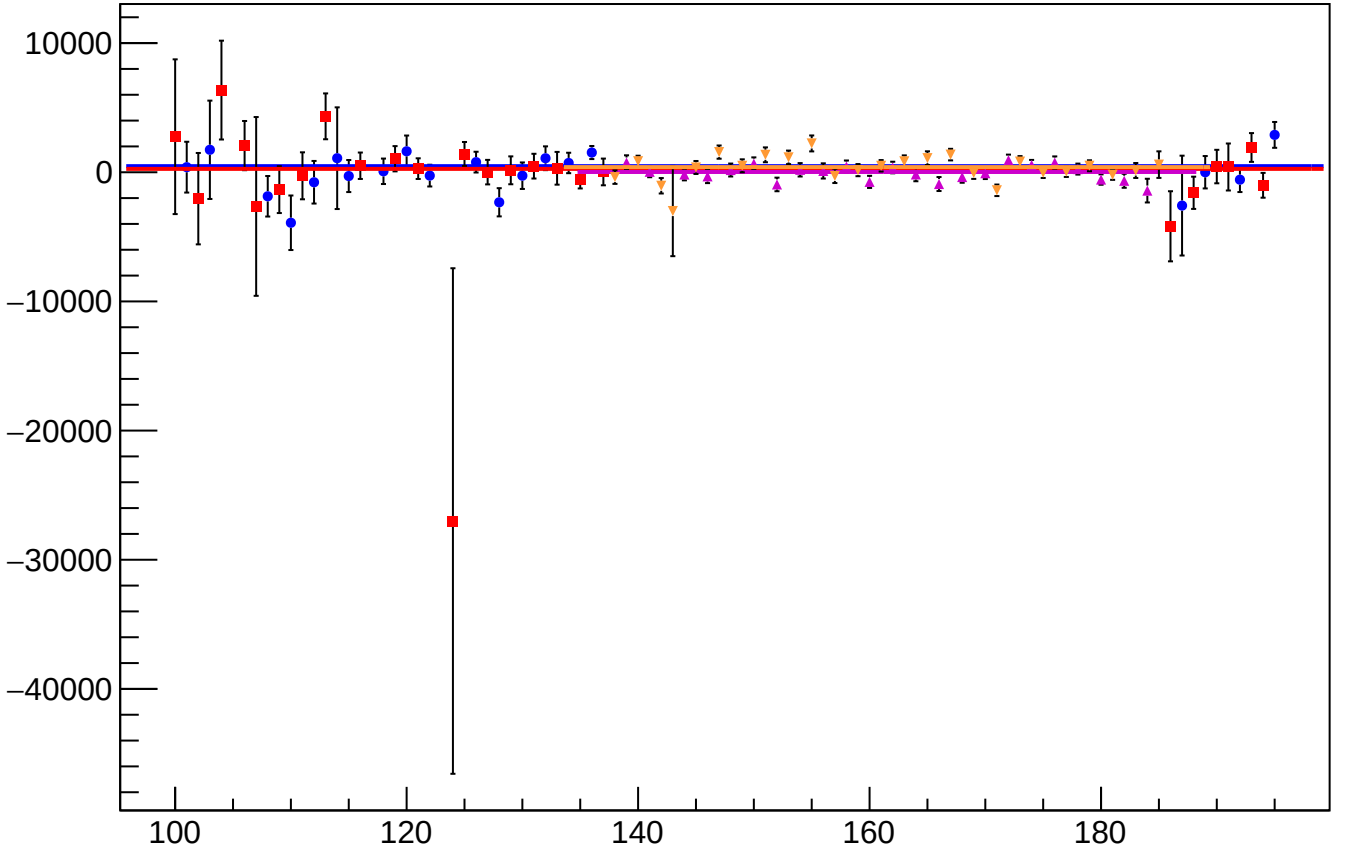
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.448+/-0.239 χ^2/NDF: 873097.9/44

All: 1829.816+/-0.170 χ^2/NDF: 1532291.6/92

- sign 1846.687+/-0.243 χ^2/NDF: 649679.1/47

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: 262.071+/-247.247 χ^2/NDF: 24.9/24

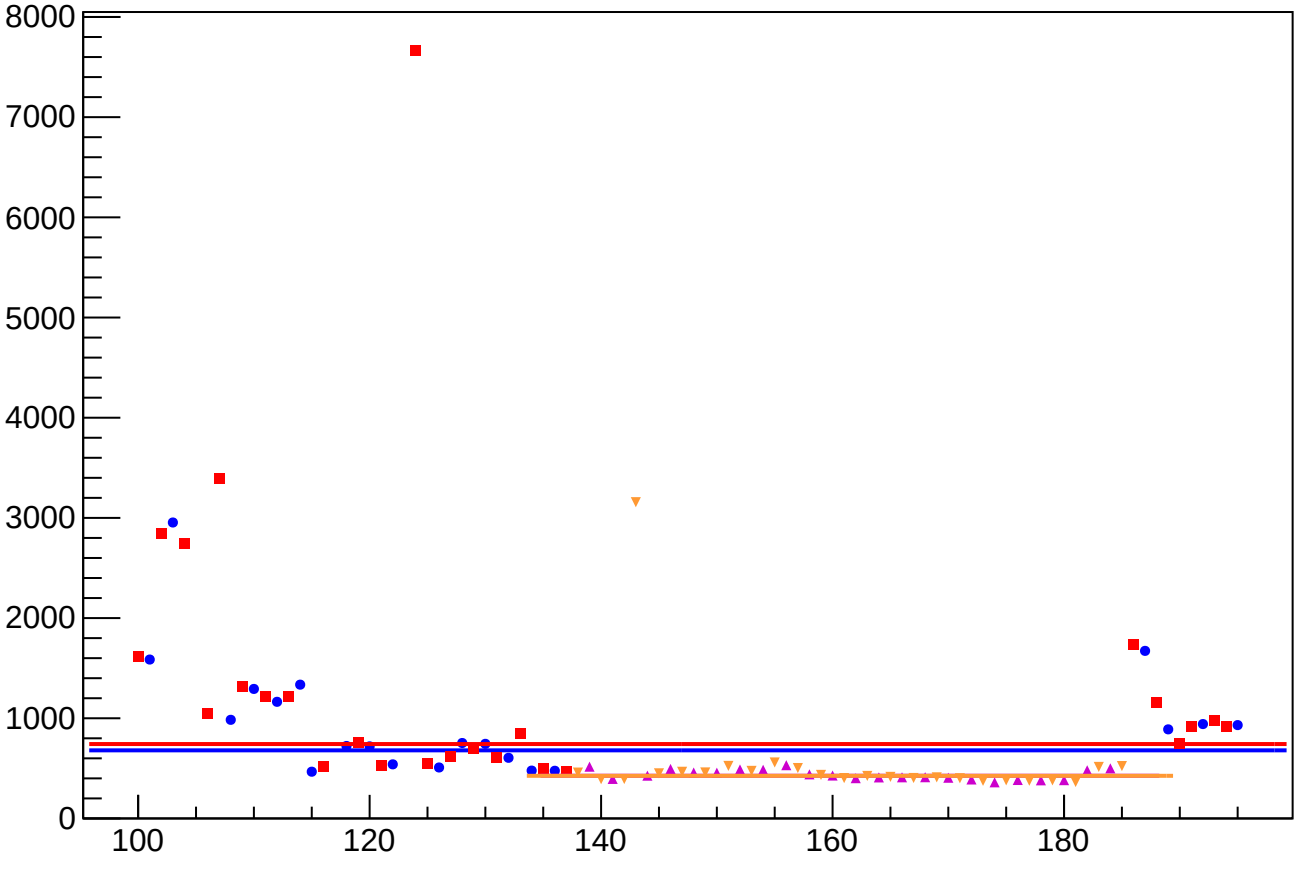
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 409.340+/-91.418 χ^2/NDF: 89.9/44

All: 235.261+/-65.165 χ^2/NDF: 153.9/92

- sign 55.434+/-92.915 χ^2/NDF: 56.6/47

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: 742.694+/-0.175 χ^2/NDF: 3850440.0/24

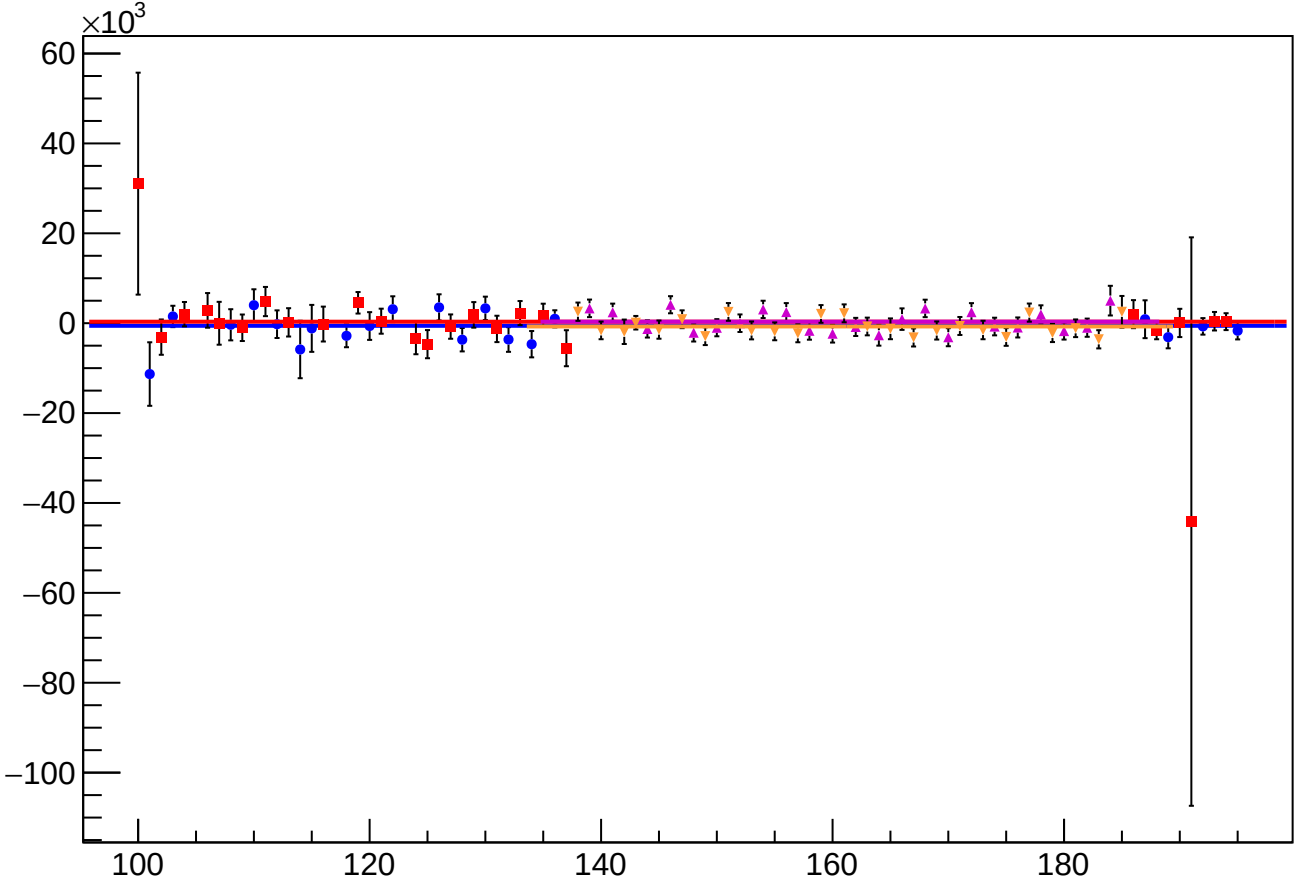
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 463.852+/-0.065 χ^2/NDF: 6461931.2/44

All: 467.293+/-0.046 χ^2/NDF: 13548892.9/92

- sign 470.849+/-0.066 χ^2/NDF: 7081198.3/47

eigen_dit_asym_at1_dd_mean vs Slug



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: 332.840+/-588.196 χ^2/NDF: 17.5/24

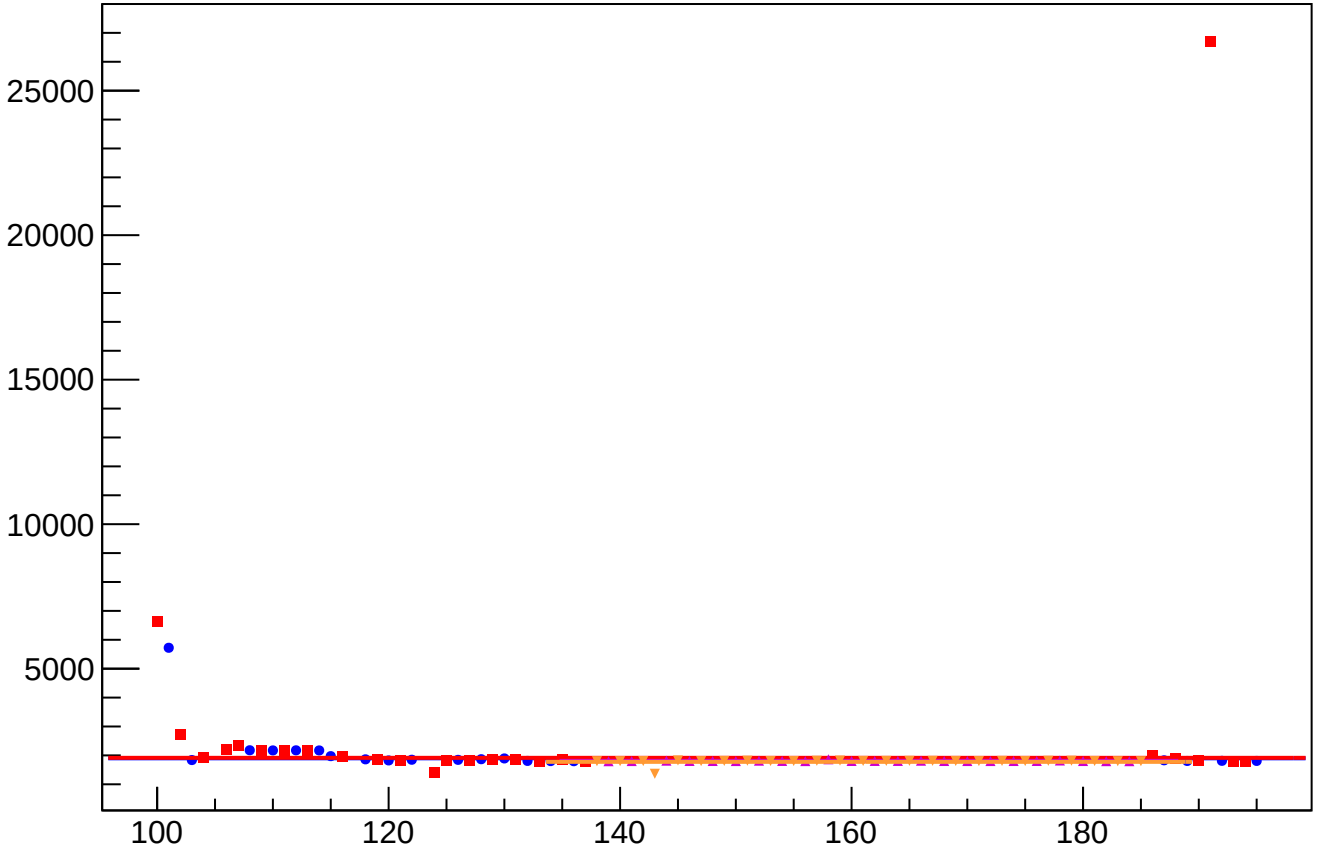
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -680.639+/-338.183 χ^2/NDF: 41.1/44

All: -178.849+/-240.935 χ^2/NDF: 92.7/92

- sign 338.367+/-343.342 χ^2/NDF: 47.1/47

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: 1915.577+/-0.416 χ^2/NDF: 606101.0/24

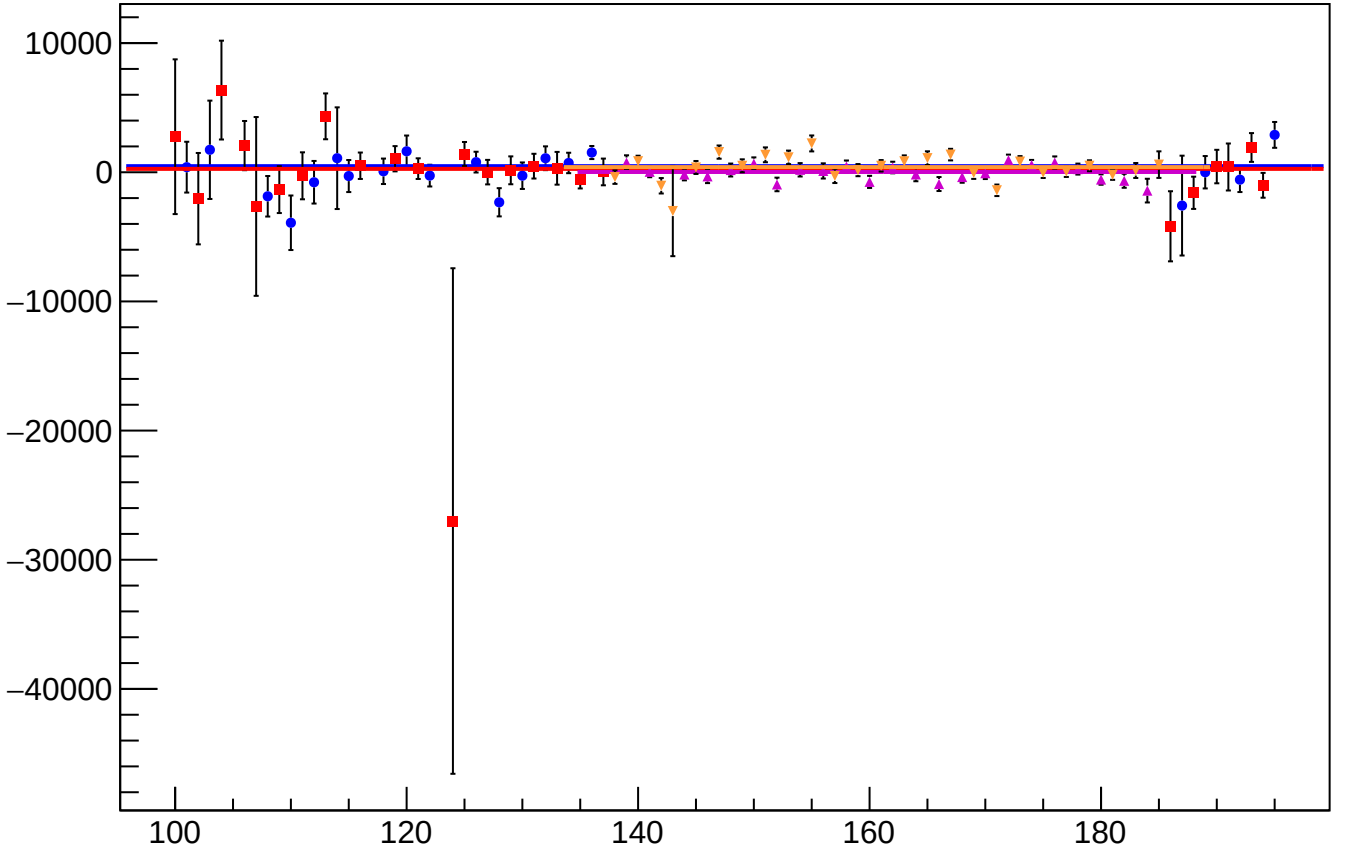
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.448+/-0.239 χ^2/NDF: 873097.9/44

All: 1829.816+/-0.170 χ^2/NDF: 1532291.3/92

- sign 1846.687+/-0.243 χ^2/NDF: 649678.9/47

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 472.005+/-235.928 χ^2/NDF: 29.3/19

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 262.071+/-247.247 χ^2/NDF: 24.9/24

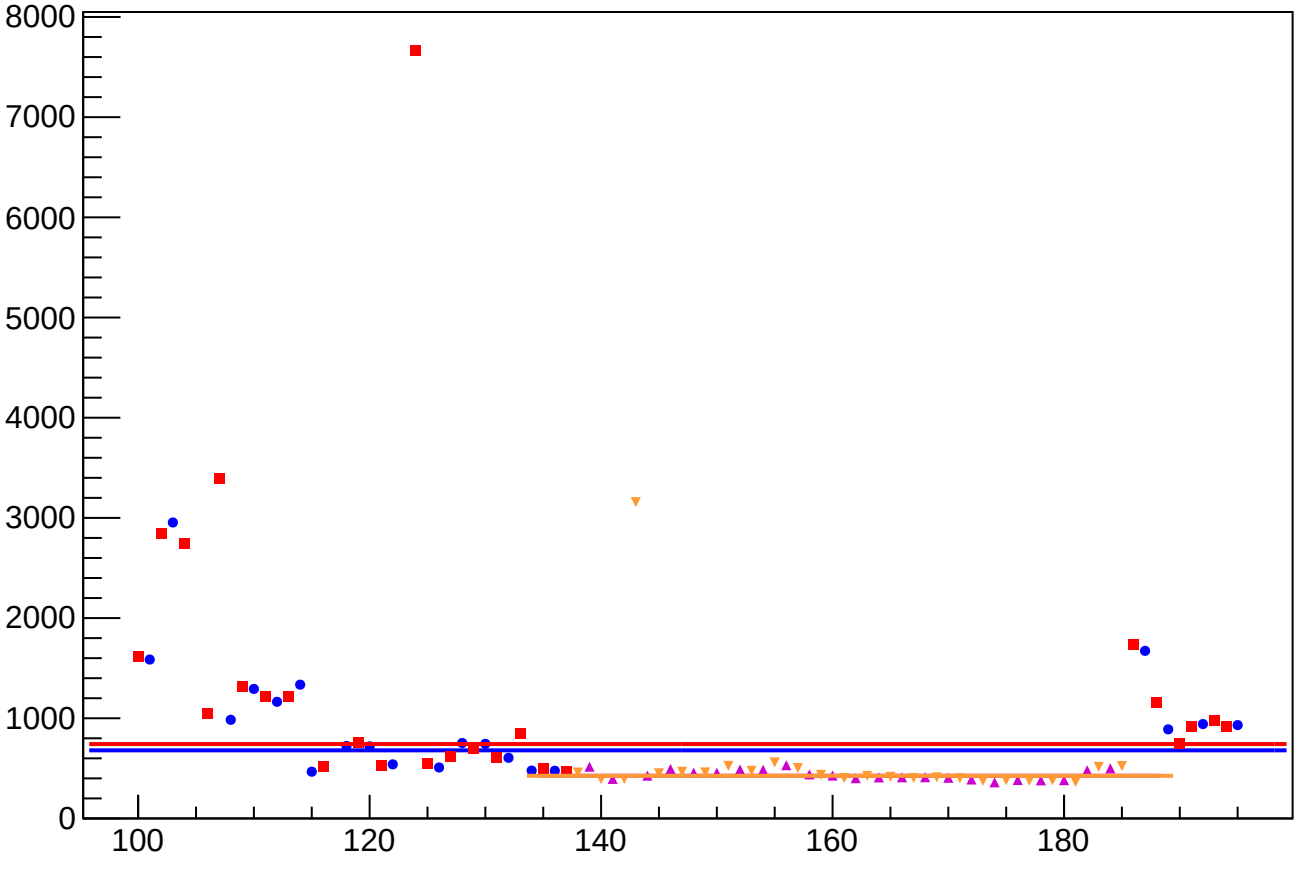
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 409.339+/-91.418 χ^2/NDF: 89.9/44

All: 235.261+/-65.165 χ^2/NDF: 153.9/92

- sign 55.433+/-92.915 χ^2/NDF: 56.6/47

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: 742.694+/-0.175 χ^2/NDF: 3850441.8/24

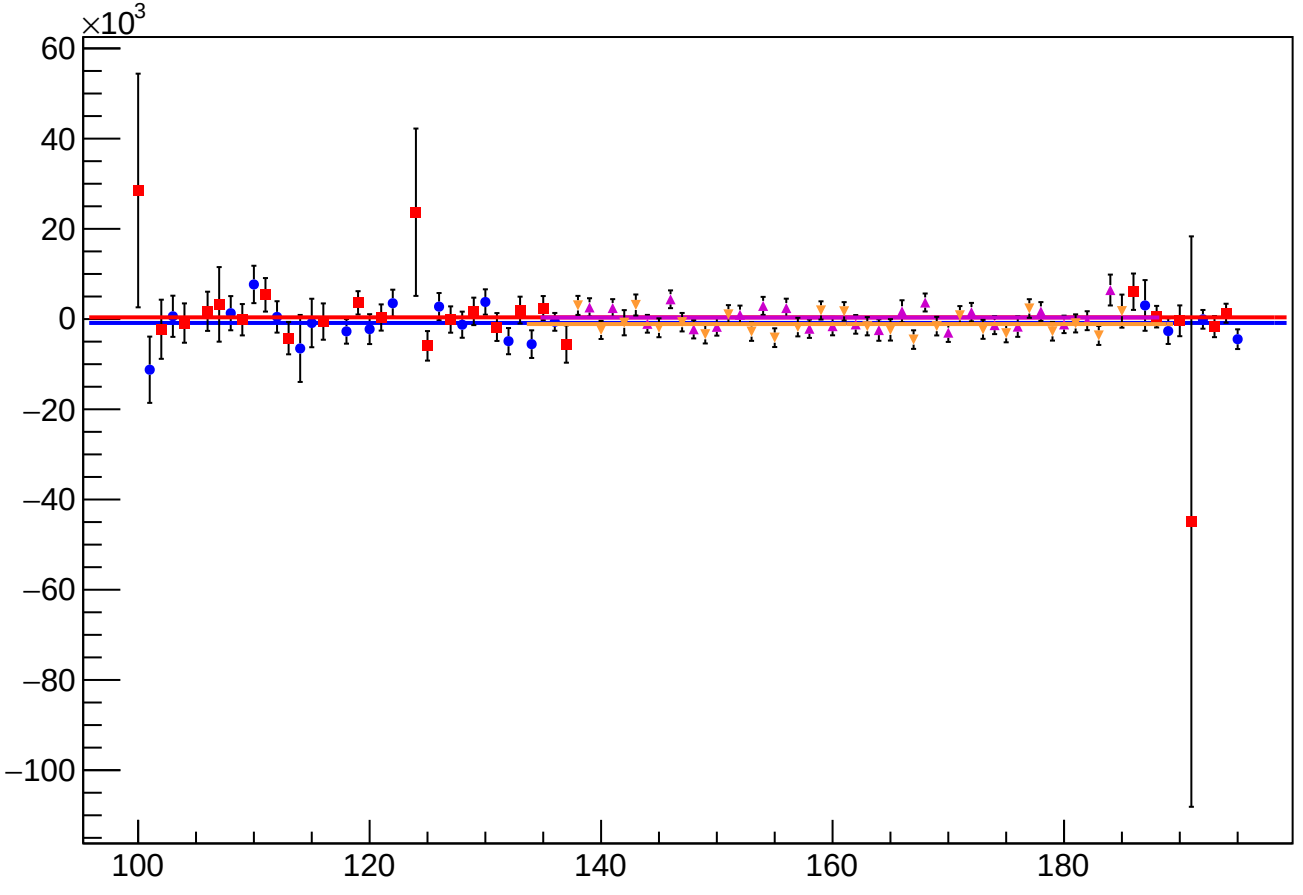
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 463.851+/-0.065 χ^2/NDF: 6461936.5/44

All: 467.293+/-0.046 χ^2/NDF: 13548904.3/92

- sign 470.849+/-0.066 χ^2/NDF: 7081204.2/47

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: 384.647+/-677.778 χ^2/NDF: 19.2/24

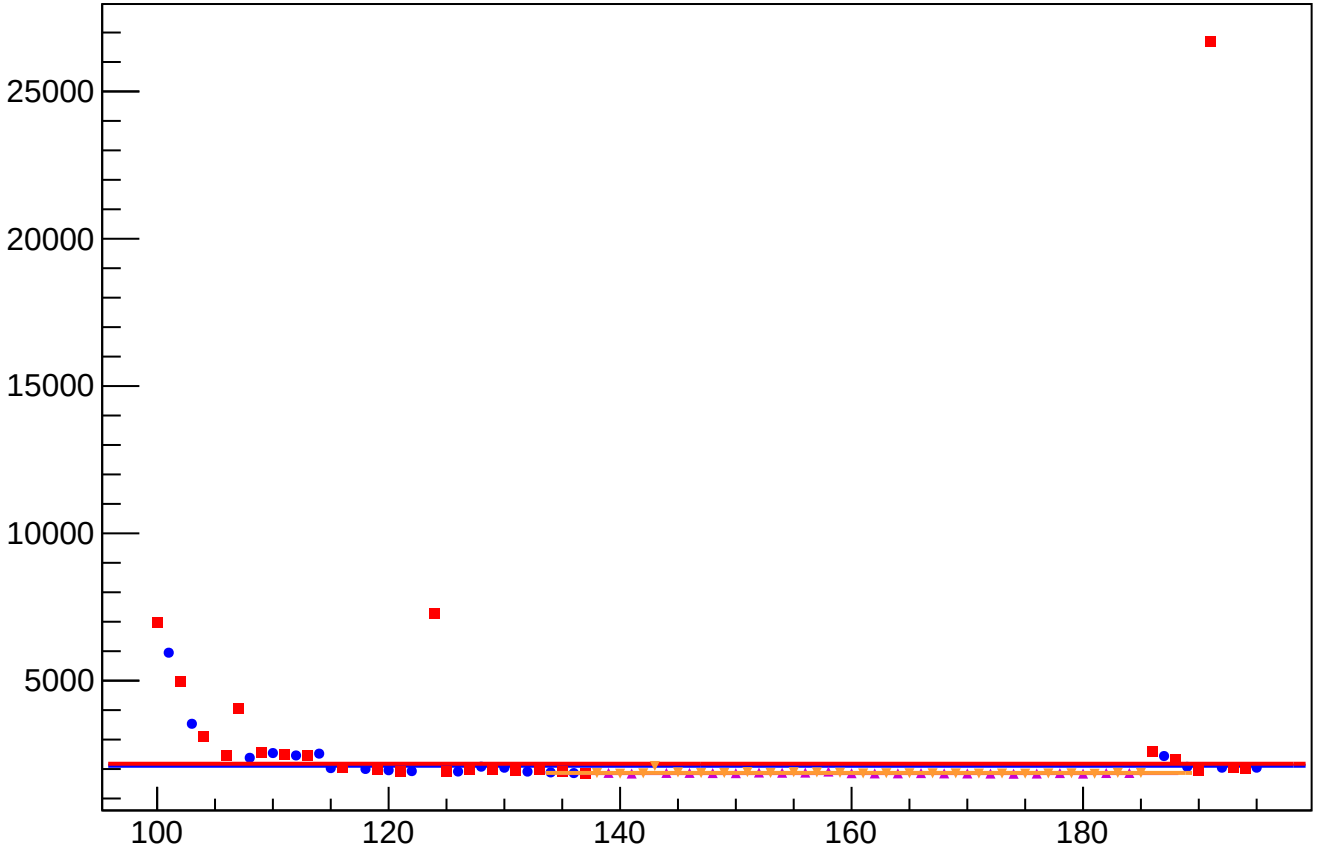
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -1038.116+/-361.668 χ^2/NDF: 50.5/44

All: -348.508+/-257.275 χ^2/NDF: 105.8/92

- sign 357.936+/-366.056 χ^2/NDF: 47.9/47

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: 2179.899+/-0.479 χ^2/NDF: 1299916.5/24

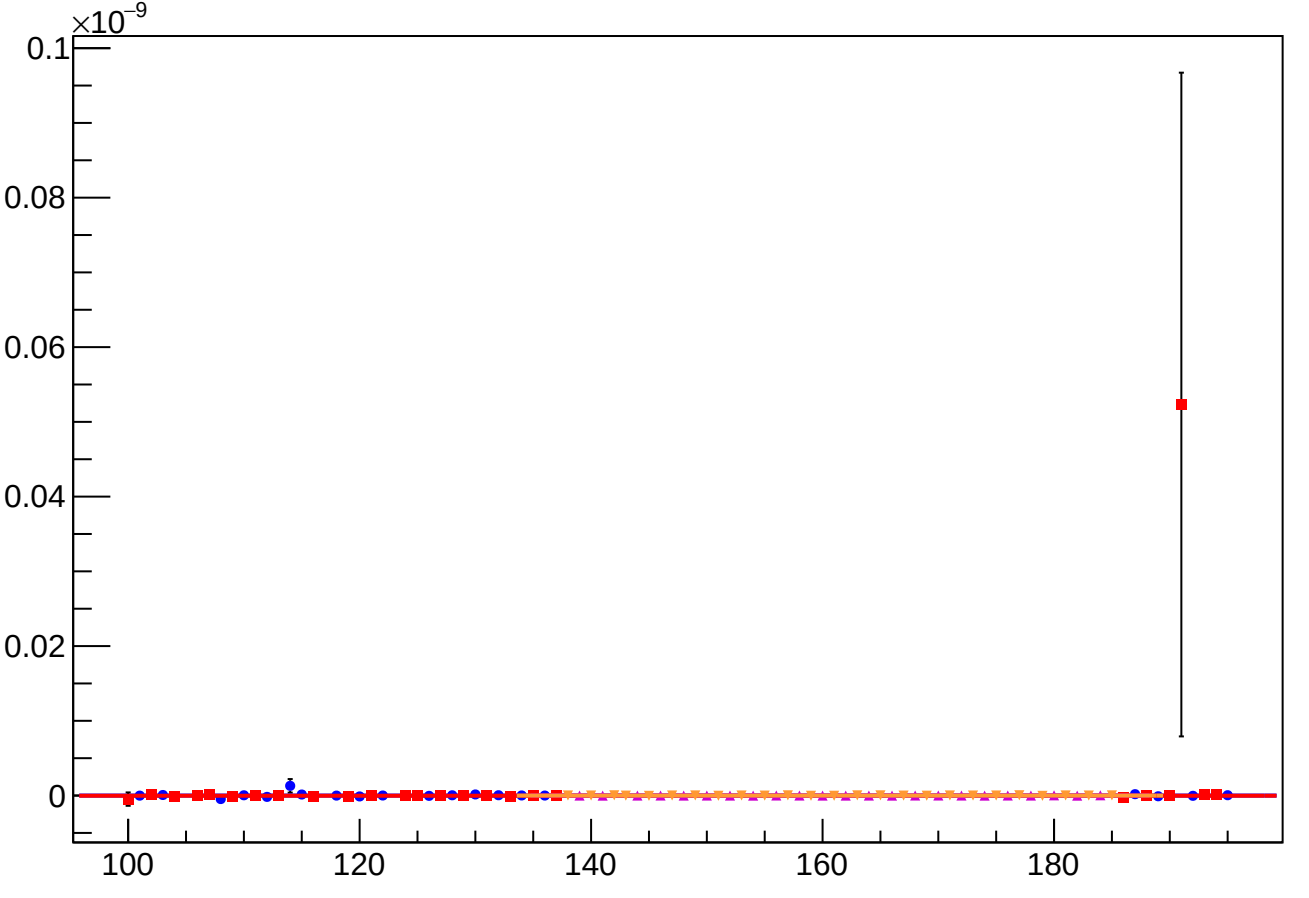
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1935.609+/-0.256 χ^2/NDF: 1089625.8/44

All: 1945.343+/-0.182 χ^2/NDF: 2705212.4/92

- sign 1955.315+/-0.259 χ^2/NDF: 1612653.6/47

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: 18.7/24

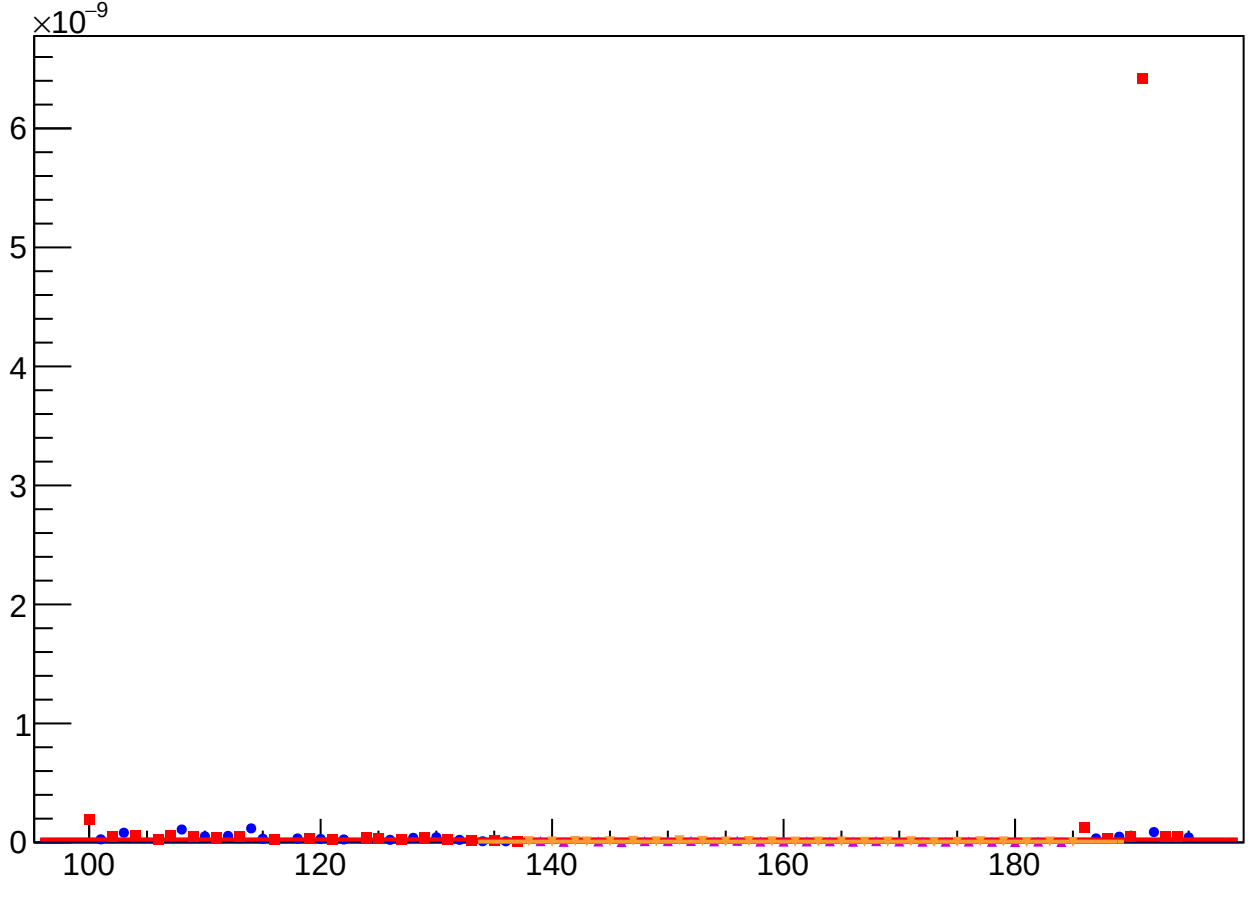
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/44

All: 0.000+/-0.000 χ^2/NDF: 102.3/92

- sign 0.000+/-0.000 χ^2/NDF: 39.6/47

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: 2072516.5/24

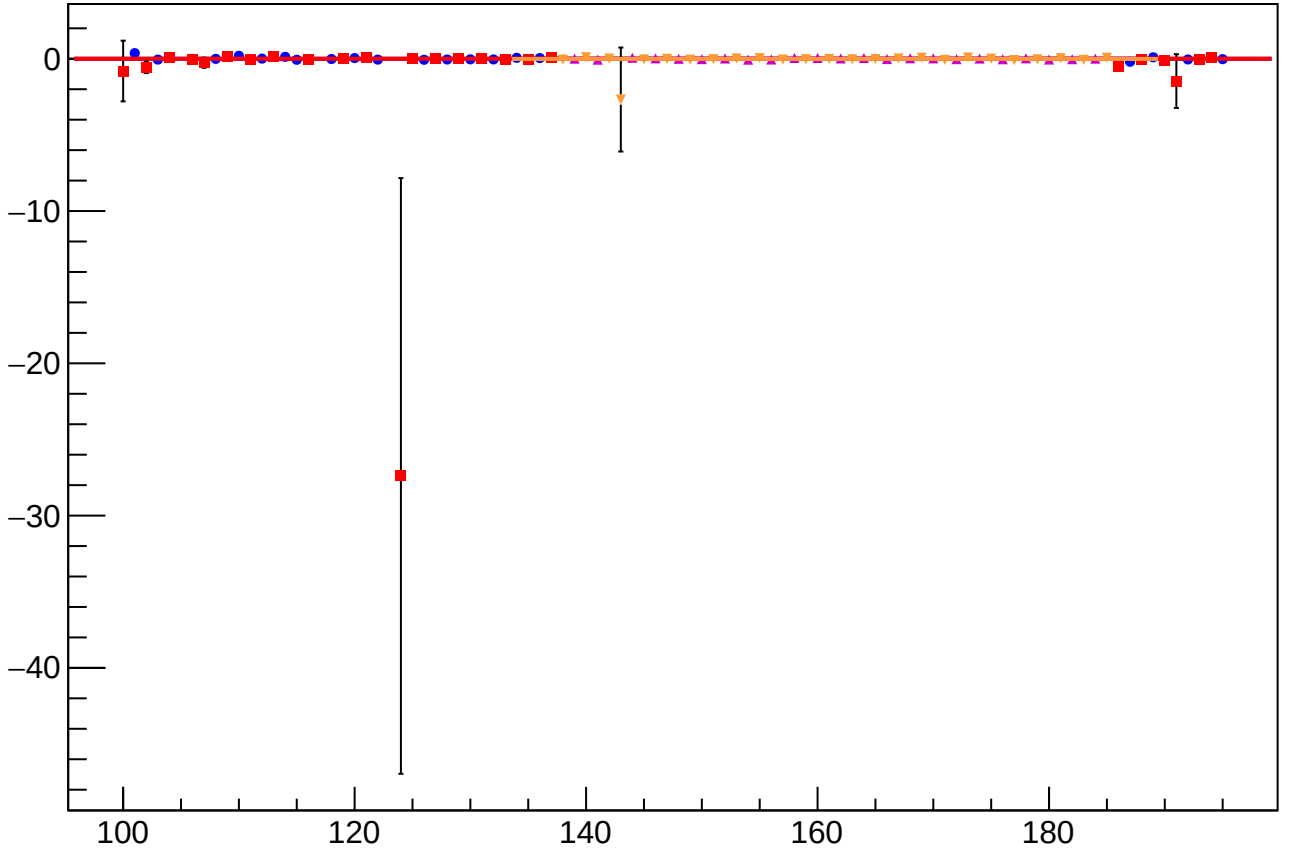
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6826007.1/44

All: 0.000+/-0.000 χ^2/NDF: 13474629.8/92

- sign 0.000+/-0.000 χ^2/NDF: 6646249.9/47

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: 0.004+/-0.013 χ^2/NDF: 24.7/24

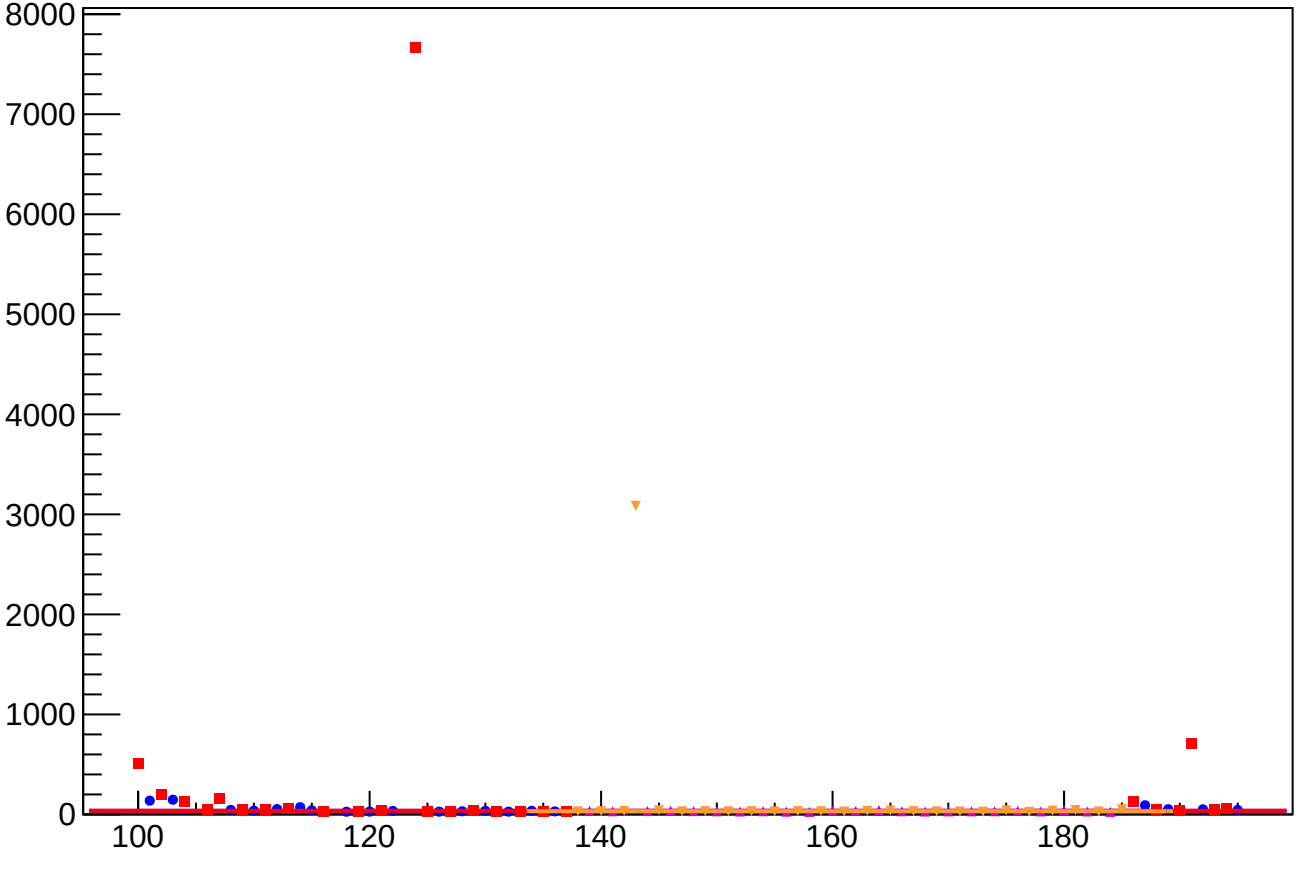
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.8/92

- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

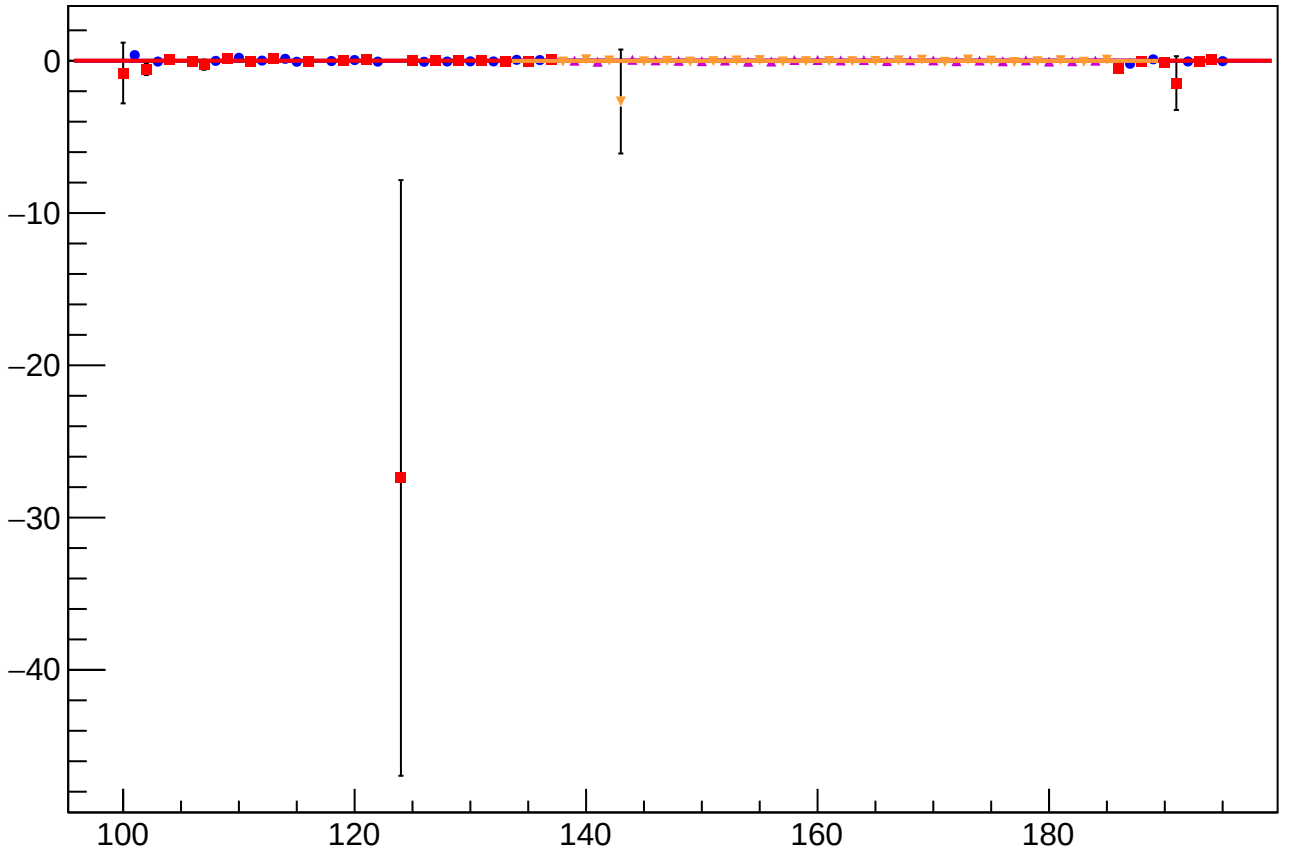
Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414723.8/44

All: 33.483+/-0.004 χ^2/NDF: 8302346.1/92

- sign 33.575+/-0.005 χ^2/NDF: 3886939.5/47



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: 0.004+/-0.013 χ^2/NDF: 24.7/24

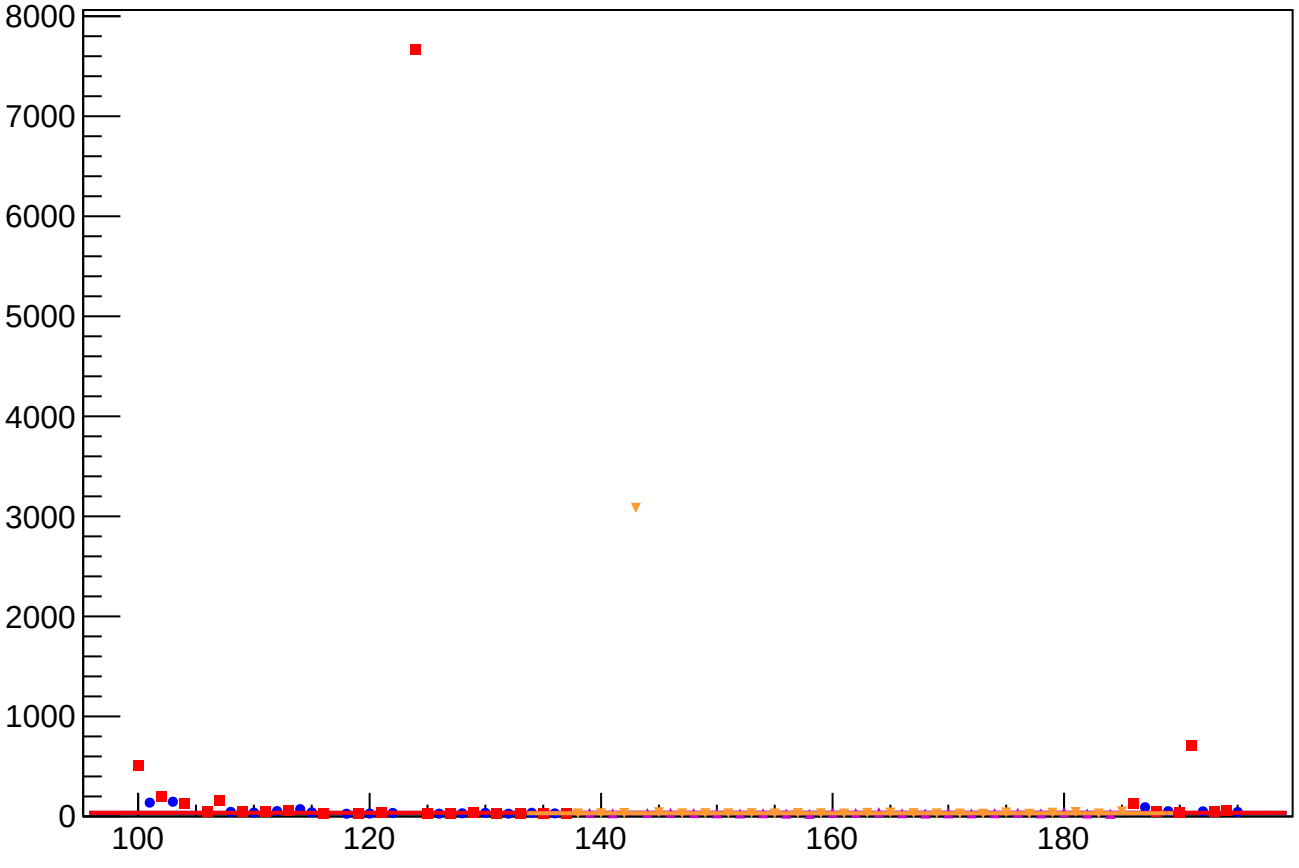
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.8/92

- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

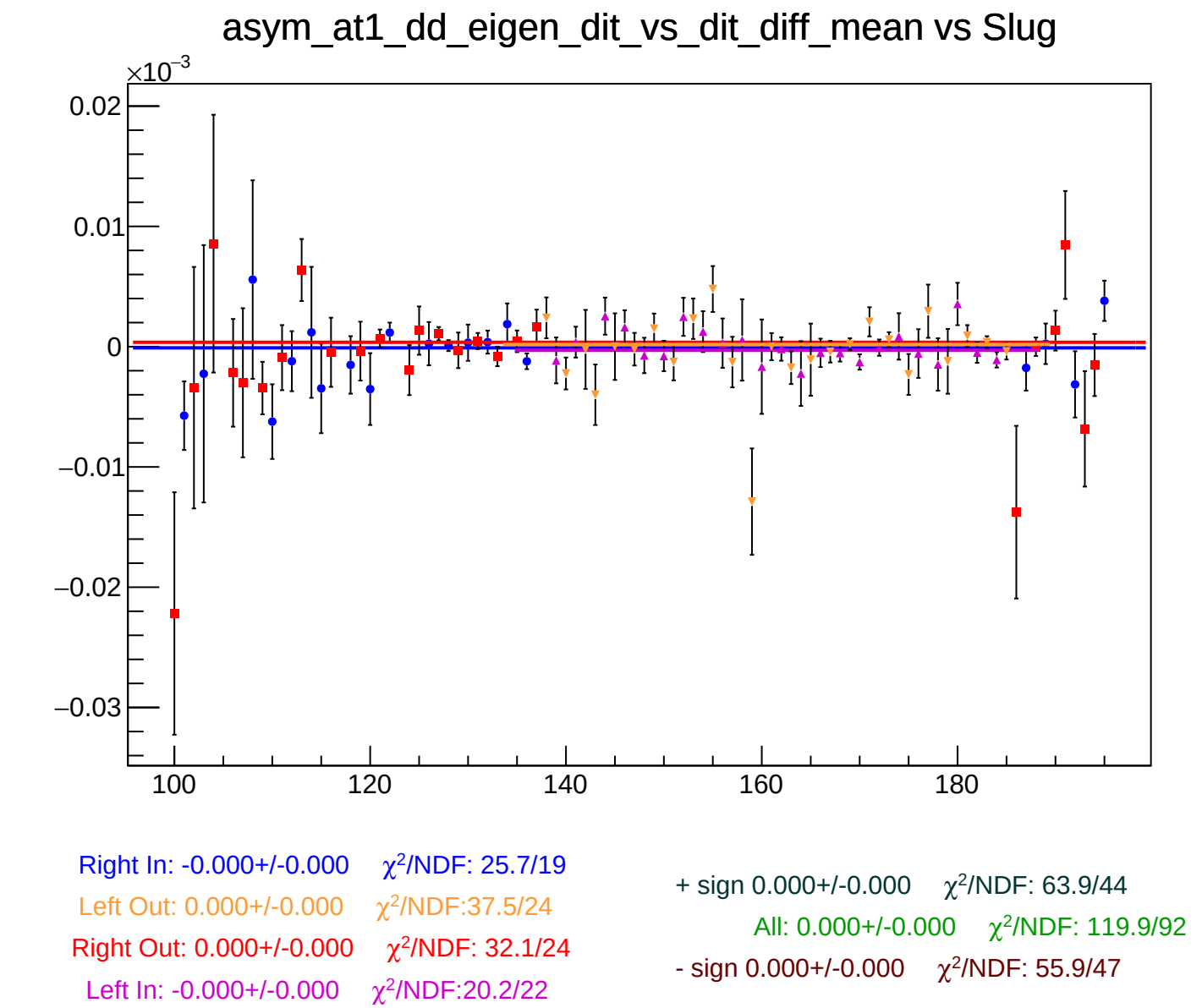
Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

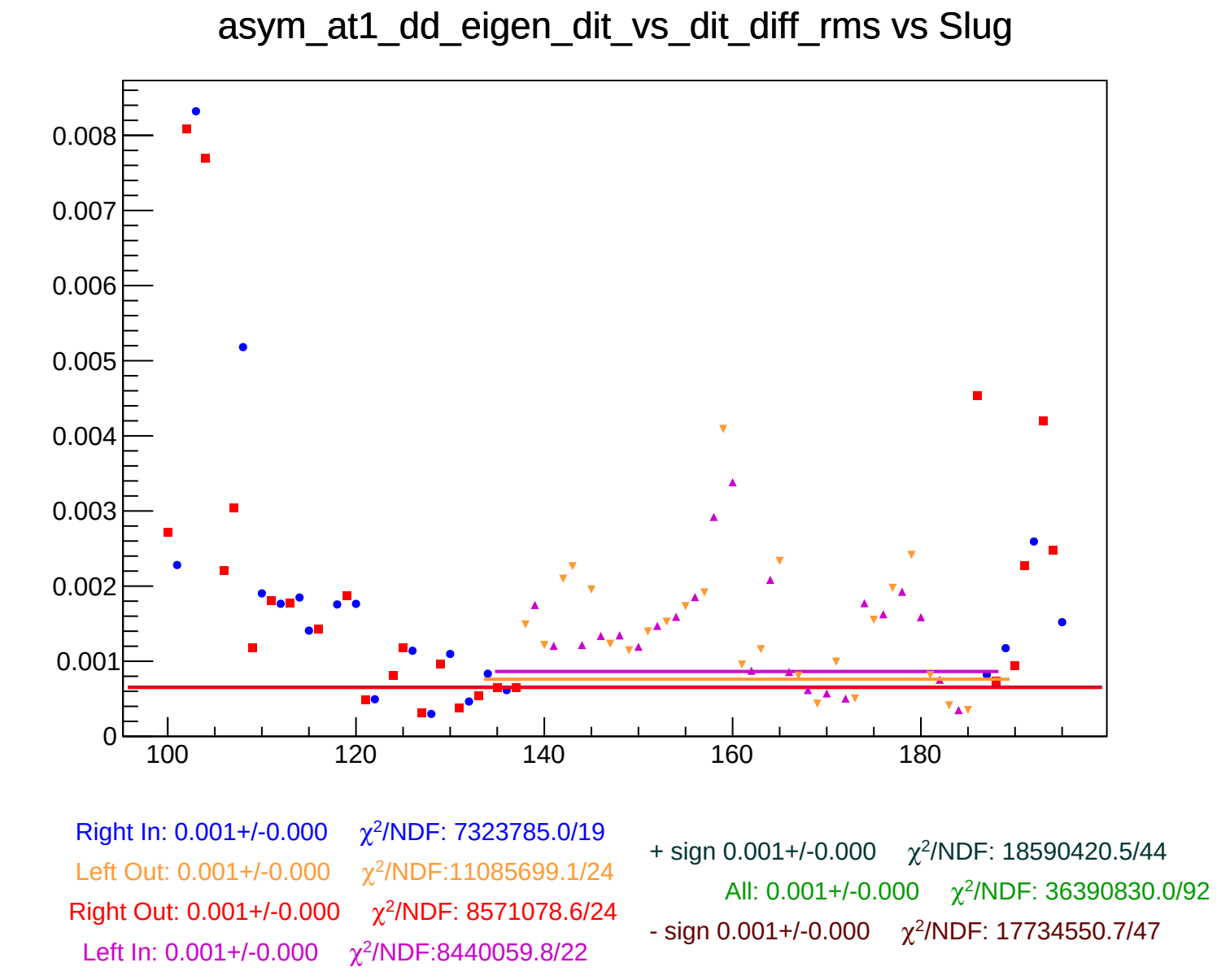
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

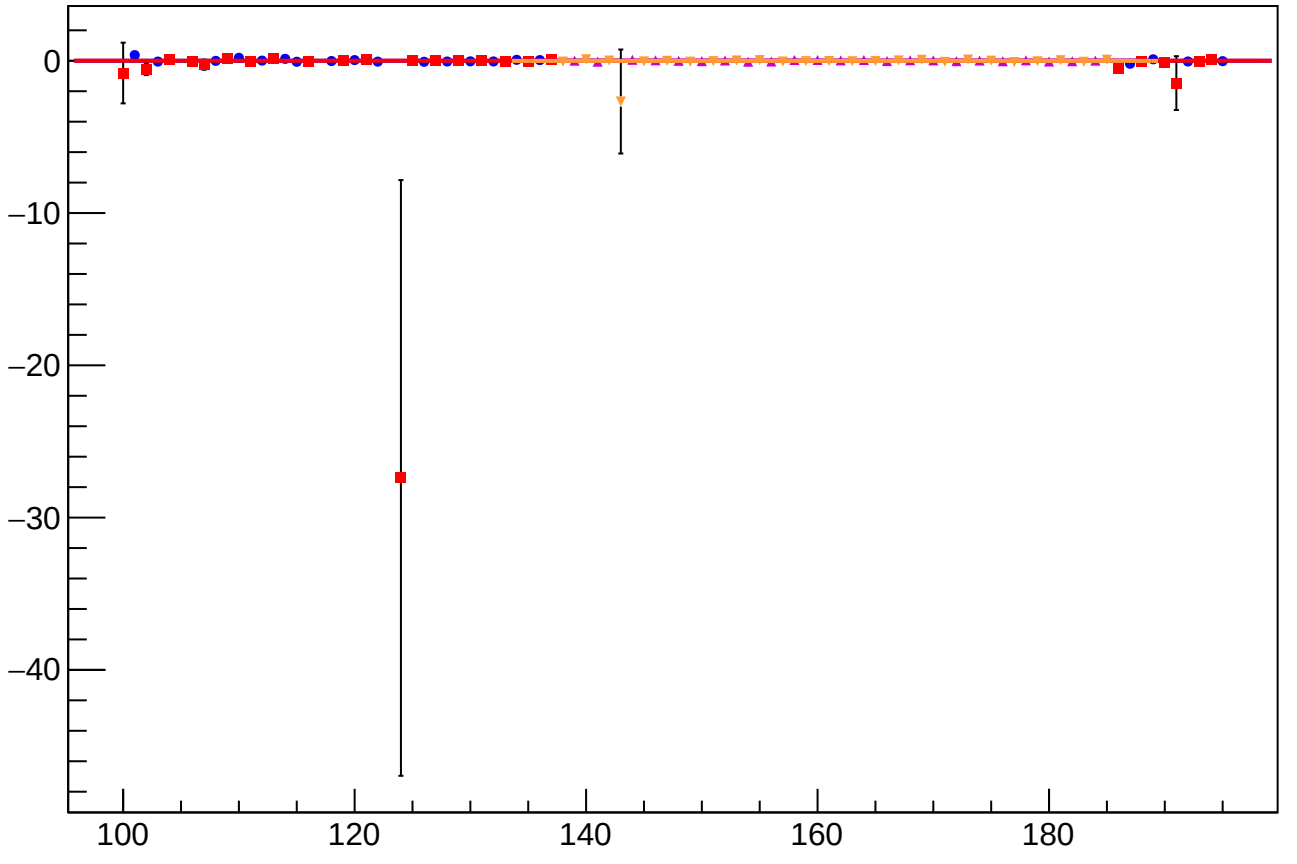
+ sign 33.391+/-0.005 χ^2/NDF: 4414723.8/44

All: 33.483+/-0.004 χ^2/NDF: 8302346.1/92

- sign 33.575+/-0.005 χ^2/NDF: 3886939.5/47


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
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: 32.1/24
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: 119.9/92
- sign 0.000+/-0.000 χ²/NDF: 55.9/47


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 7323785.0/19
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 8571078.6/24
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 18590420.5/44
All: 0.001+/-0.000 χ²/NDF: 36390830.0/92
- sign 0.001+/-0.000 χ²/NDF: 17734550.7/47



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: 0.004+/-0.013 χ^2/NDF: 24.7/24

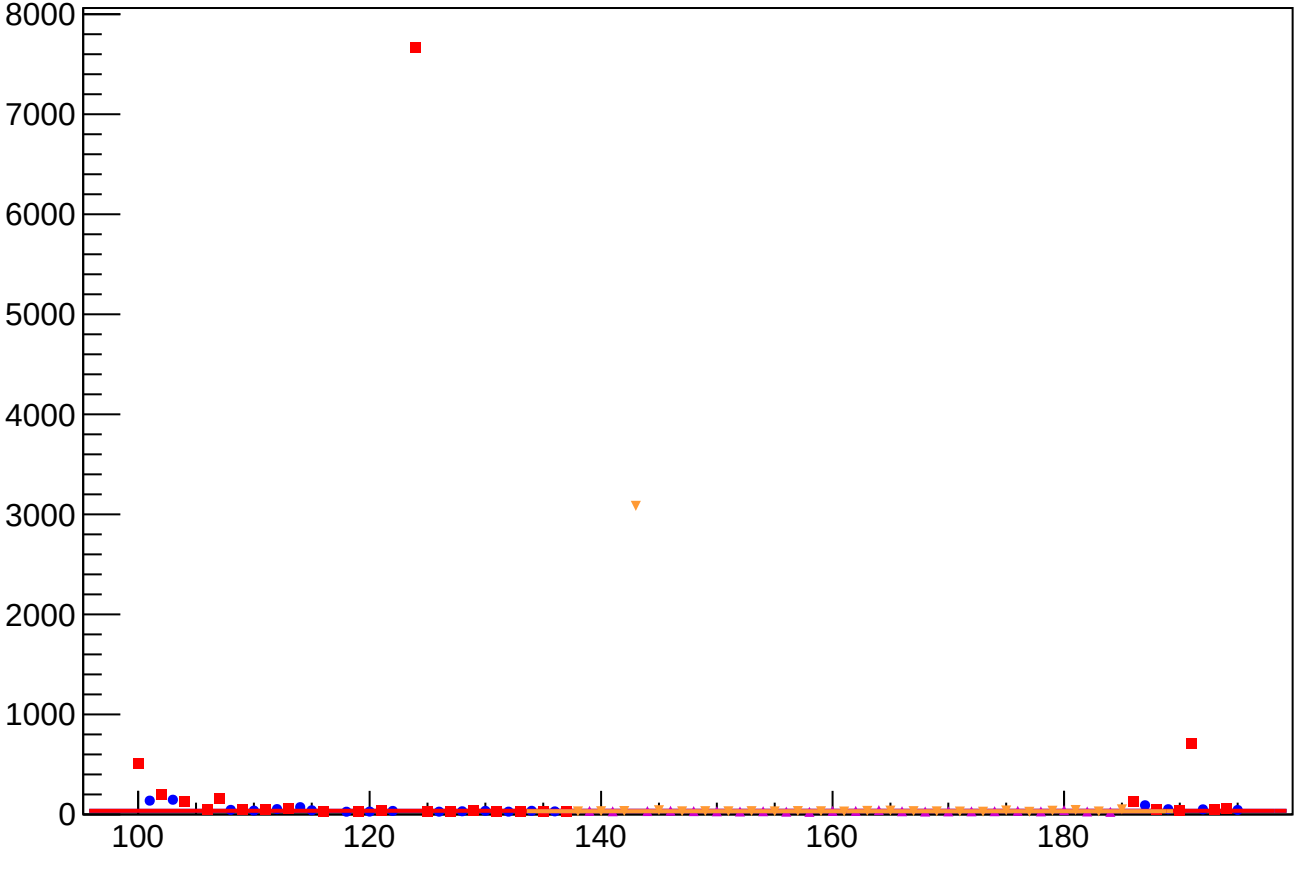
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.8/92

- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

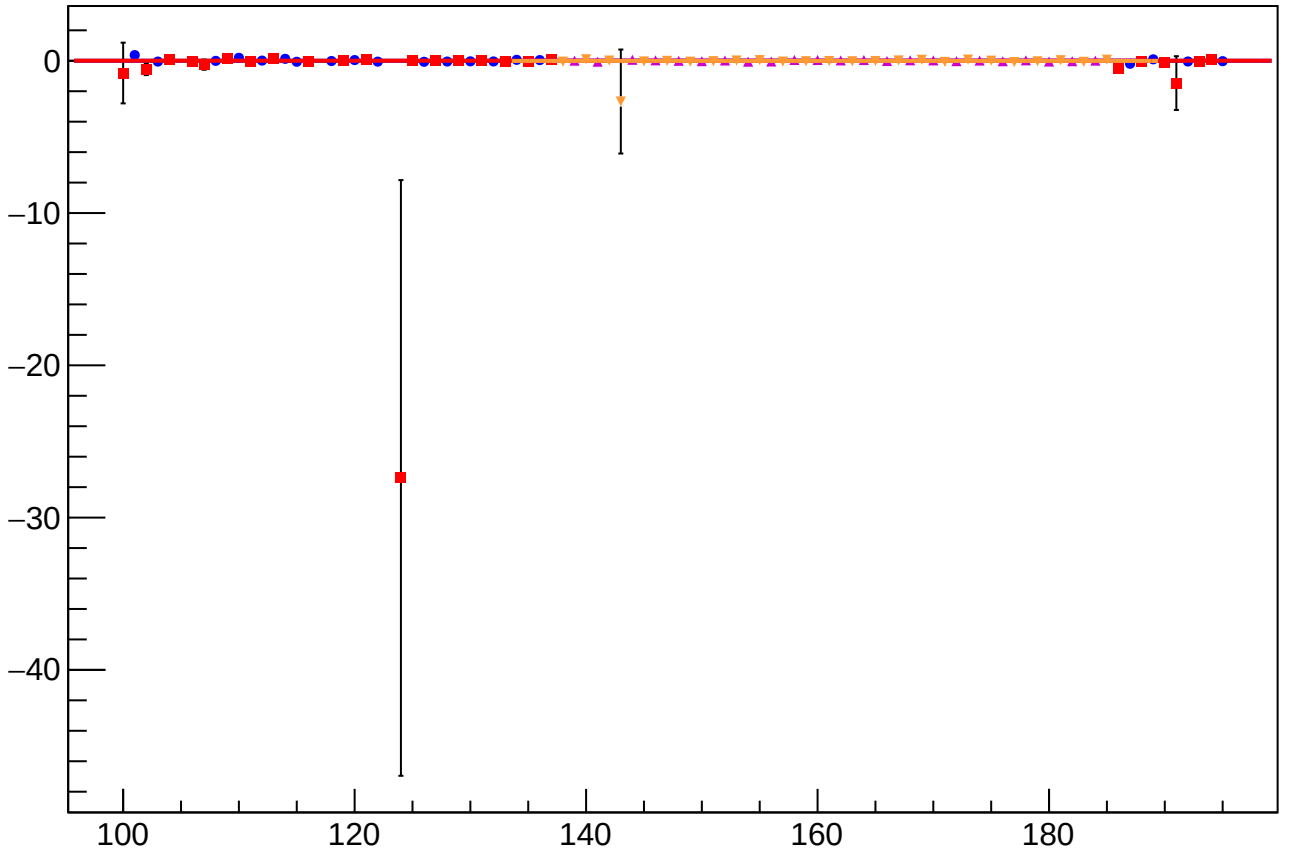
Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414728.5/44

All: 33.483+/-0.004 χ^2/NDF: 8302225.4/92

- sign 33.575+/-0.005 χ^2/NDF: 3886812.4/47



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: 0.004+/-0.013 χ^2/NDF: 24.7/24

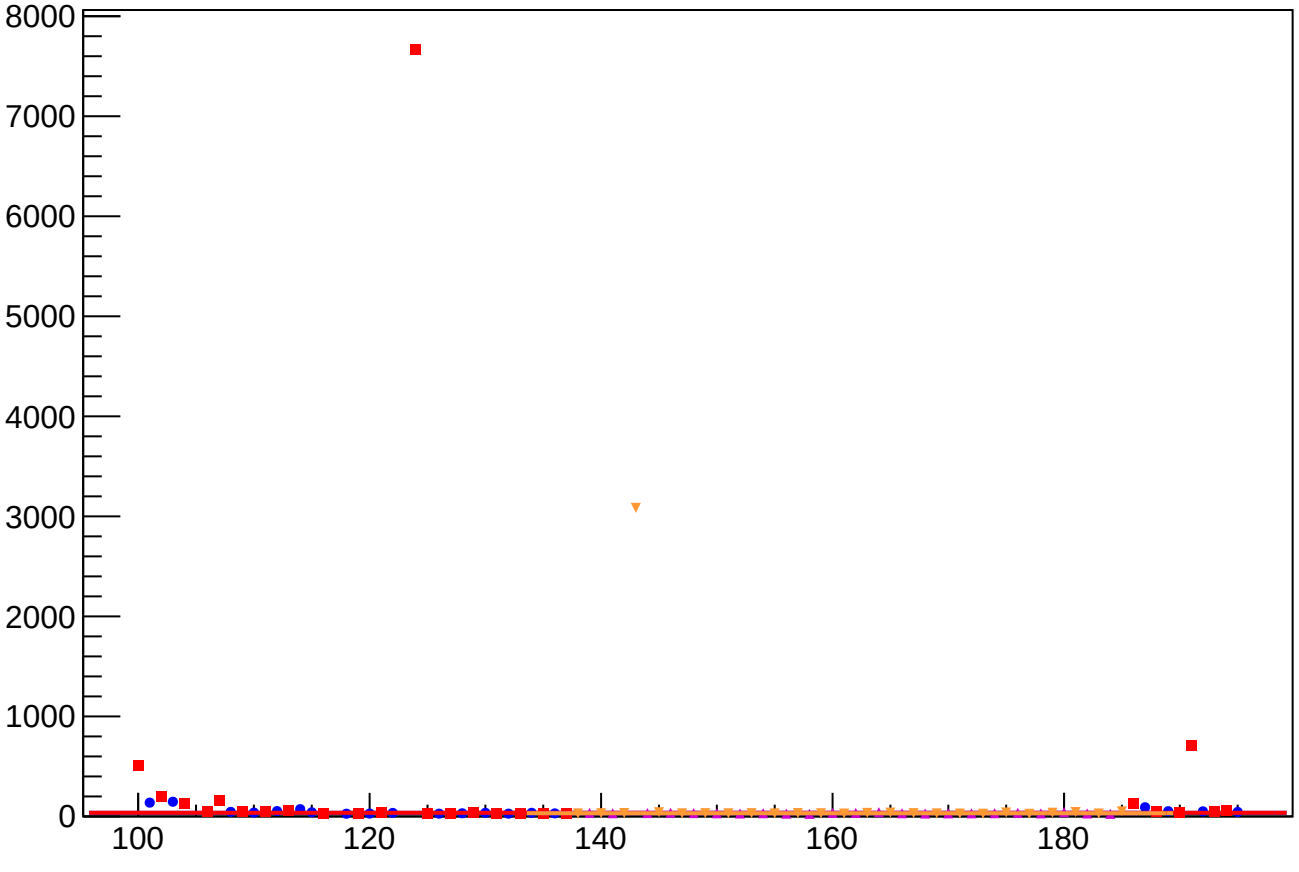
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.9/44

All: -0.002+/-0.005 χ^2/NDF: 110.8/92

- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

asym_at1_dd_eigen_dit_vs_eigen_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: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

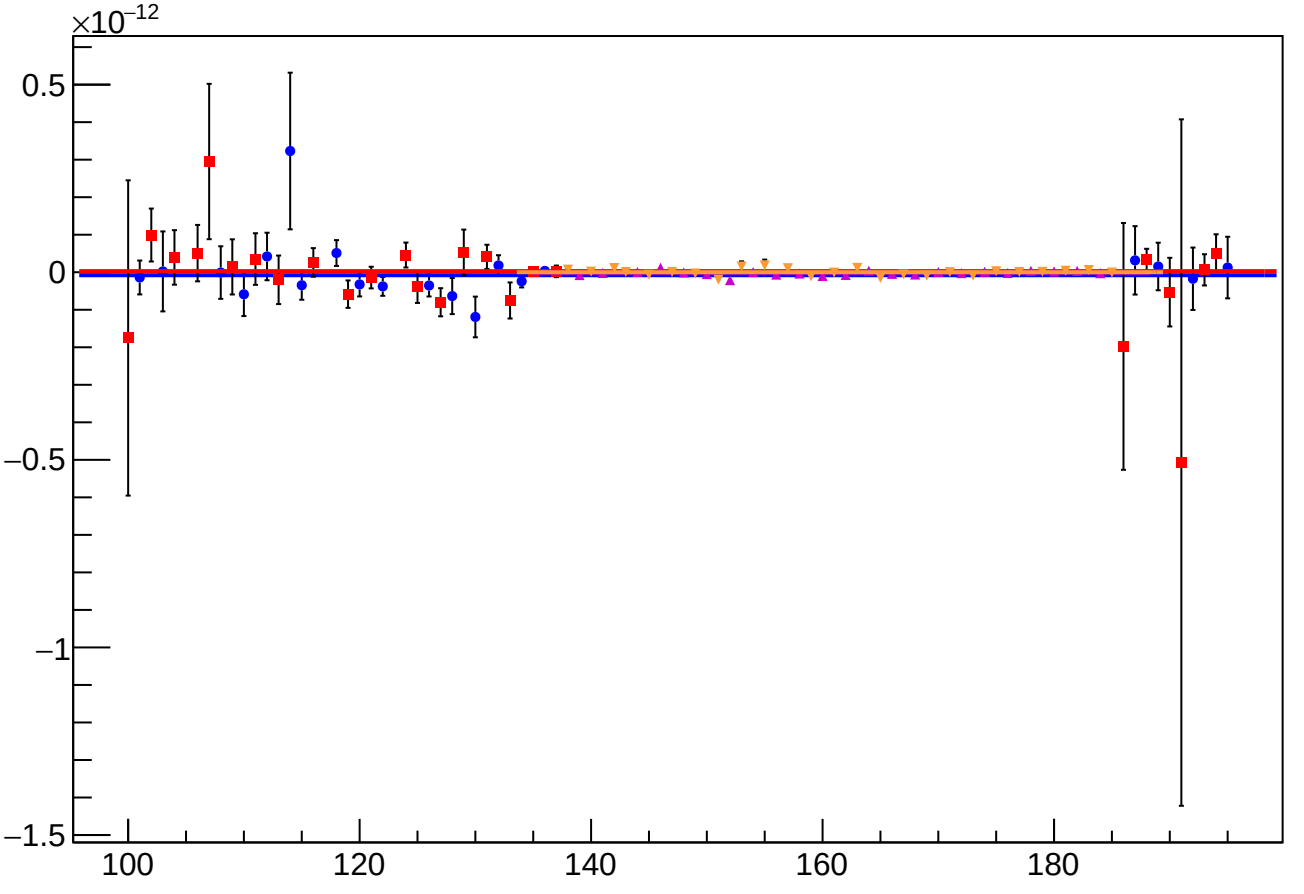
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.391+/-0.005 χ^2/NDF: 4414728.5/44

All: 33.483+/-0.004 χ^2/NDF: 8302225.4/92

- sign 33.575+/-0.005 χ^2/NDF: 3886812.4/47

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



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: 23.9/24

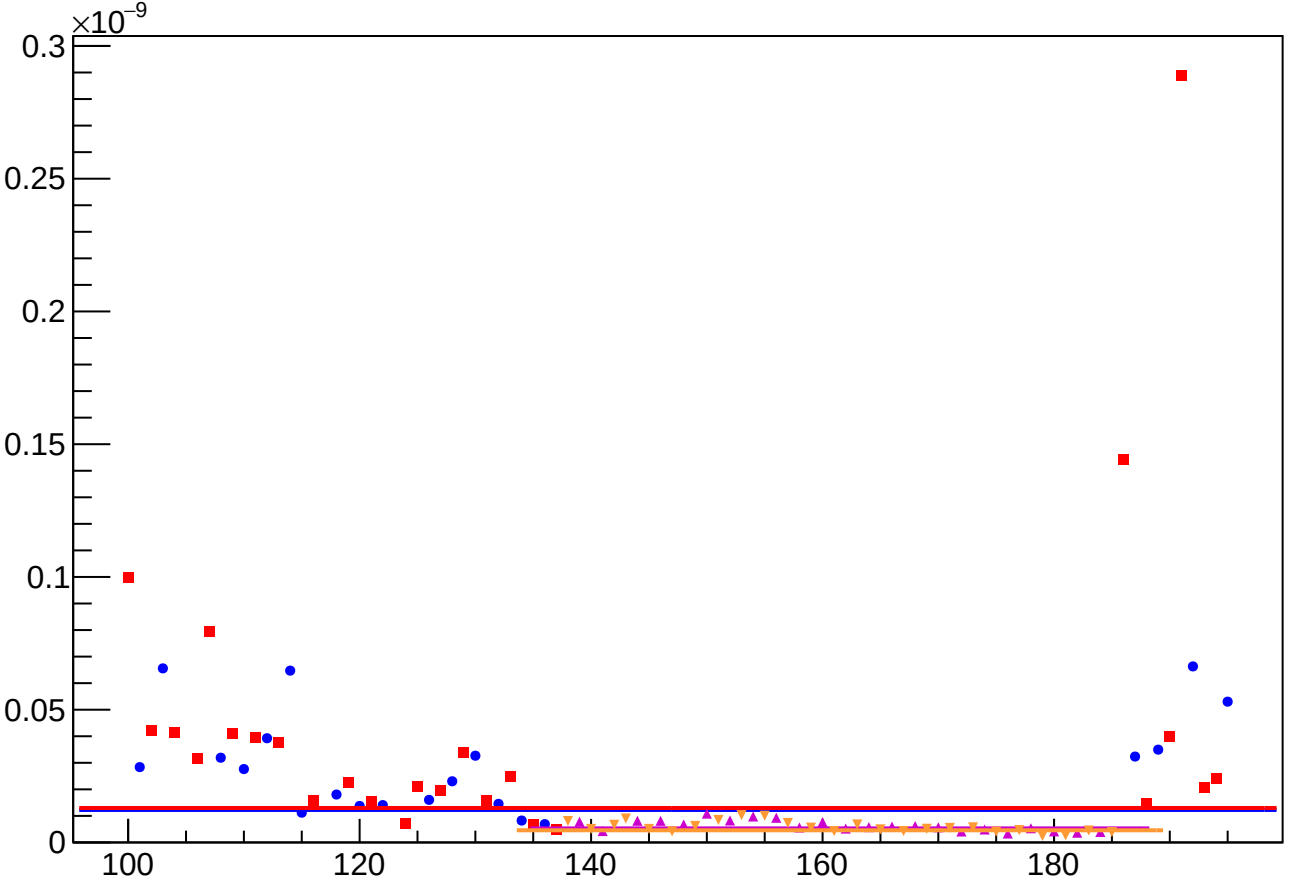
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/44

All: -0.000+/-0.000 χ^2/NDF: 75.7/92

- sign -0.000+/-0.000 χ^2/NDF: 33.4/47

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



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: 4630234.0/24

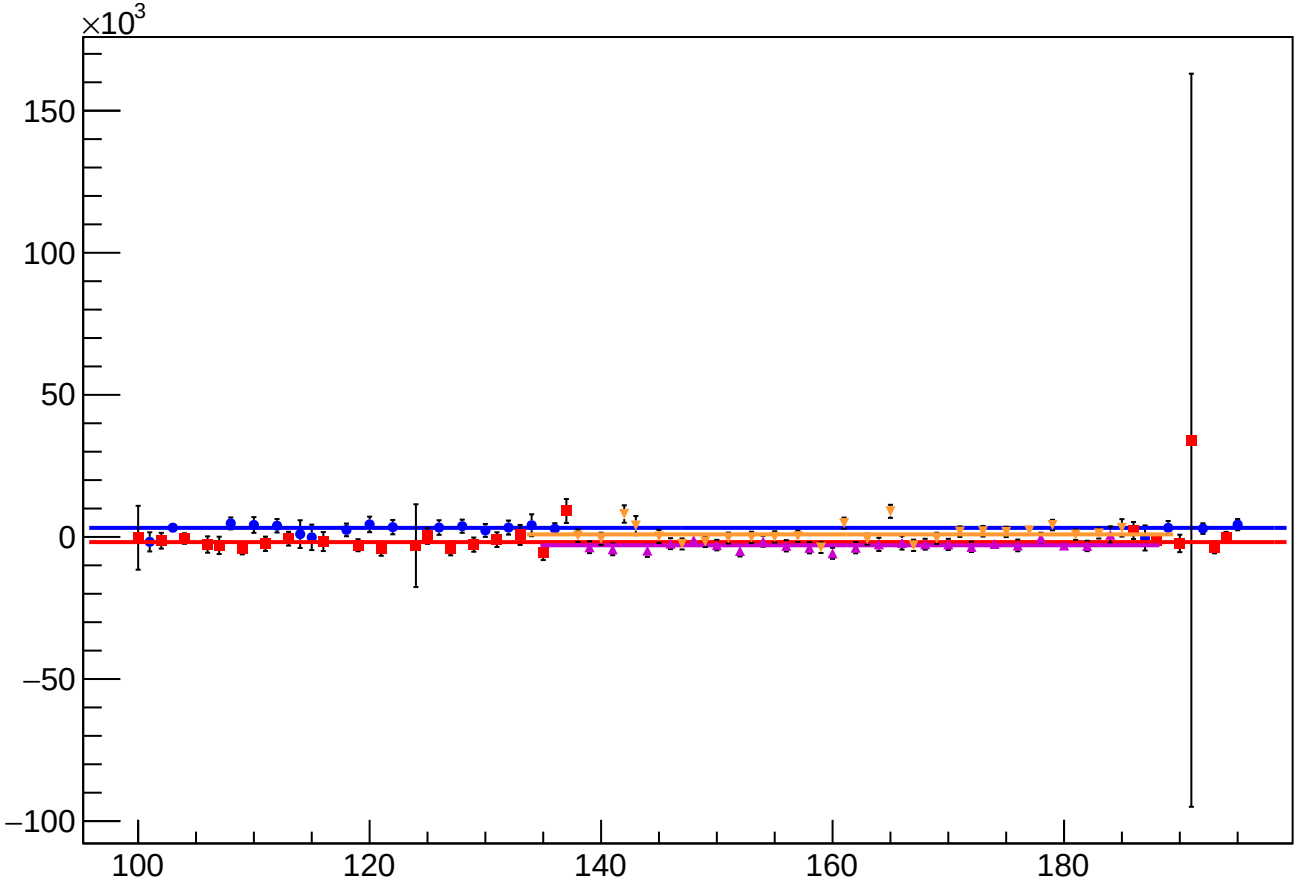
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10136247.6/44

All: 0.000+/-0.000 χ^2/NDF: 19616222.1/92

- sign 0.000+/-0.000 χ^2/NDF: 9237813.8/47

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: -1814.913+/-529.143 χ^2/NDF: 17.8/24

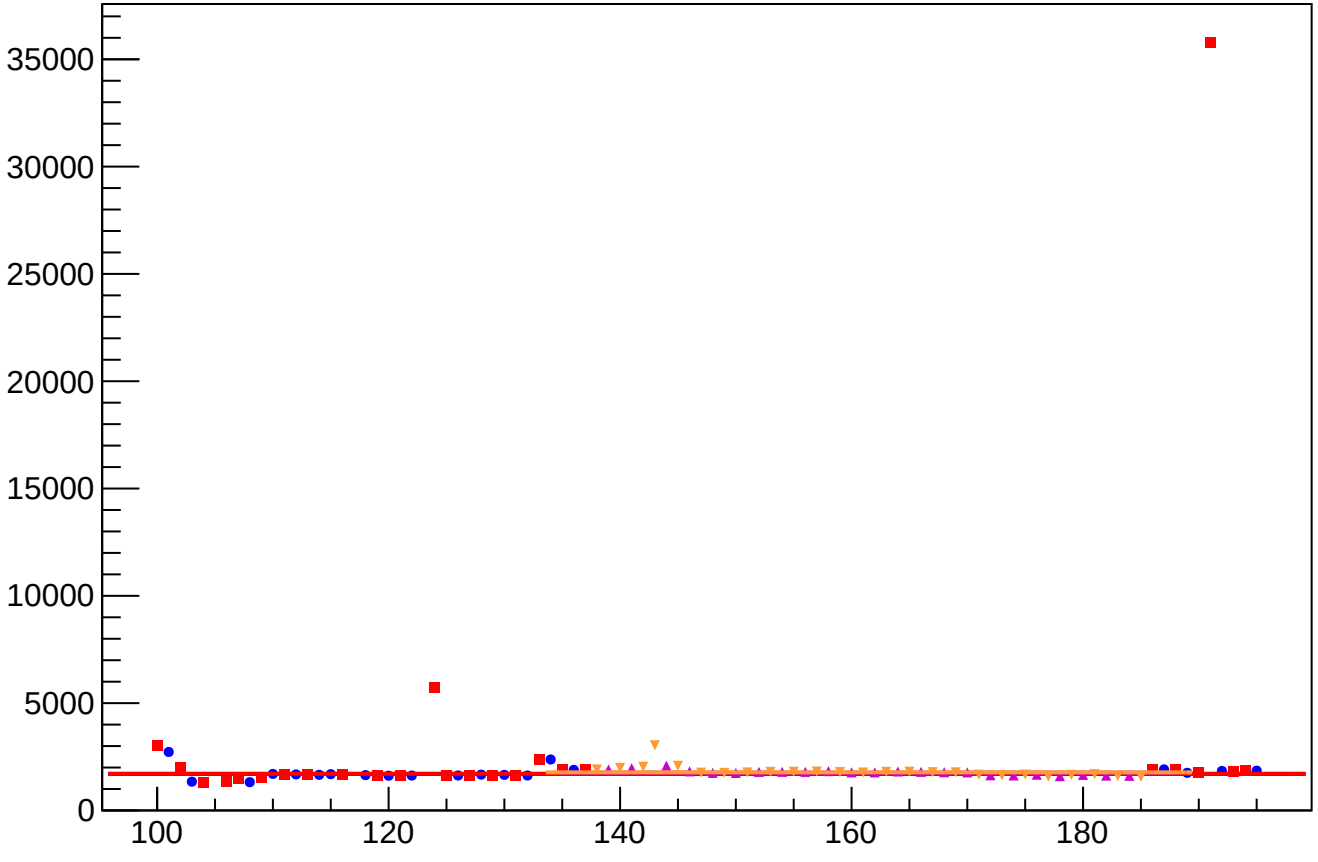
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.341+/-326.479 χ^2/NDF: 61.8/44

All: -414.831+/-230.372 χ^2/NDF: 177.0/92

- sign -2517.314+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.4/24

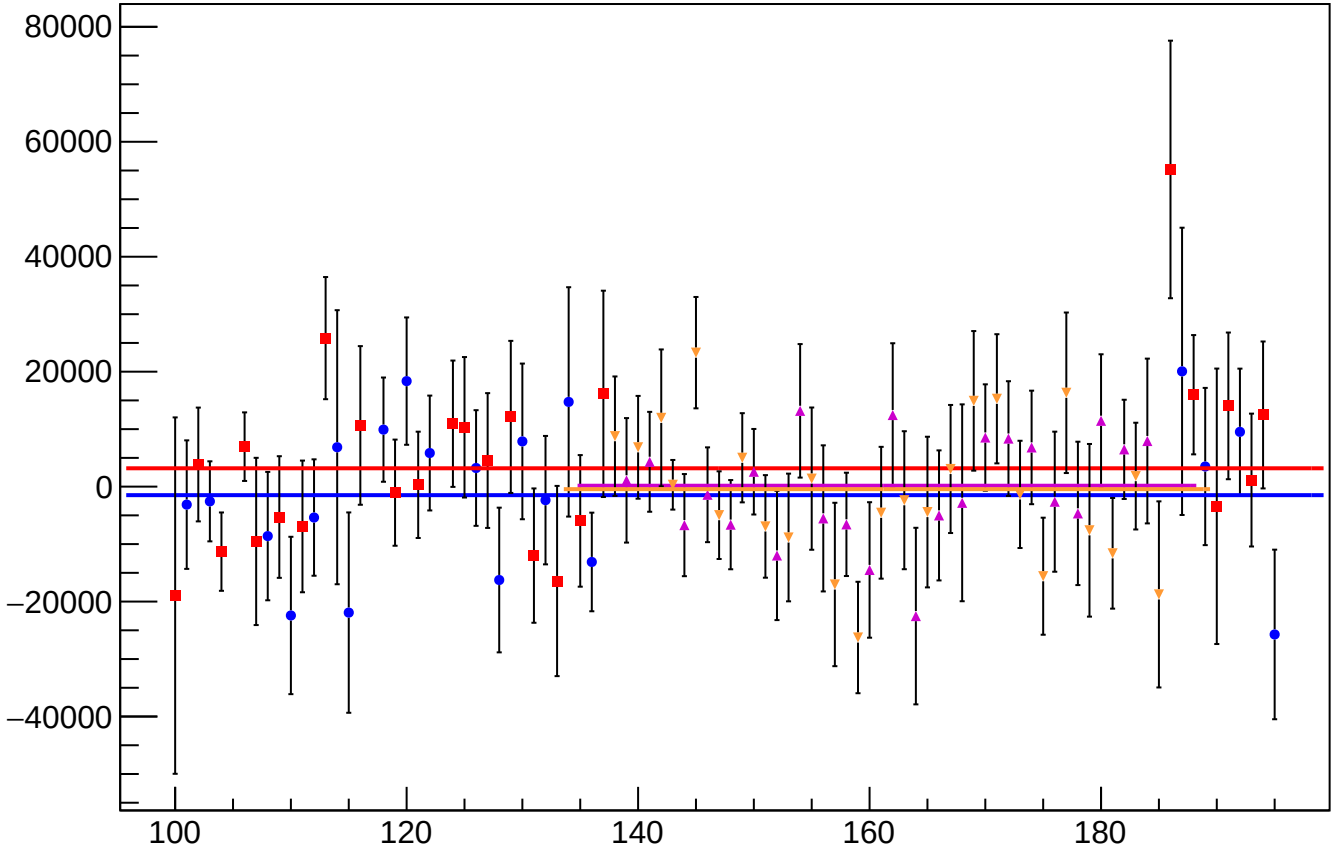
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921366.6/44

All: 1745.131+/-0.163 χ^2/NDF: 1725982.2/92

- sign 1741.247+/-0.230 χ^2/NDF: 804042.3/47

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: 3190.386+/-2224.375 χ^2/NDF: 26.6/24

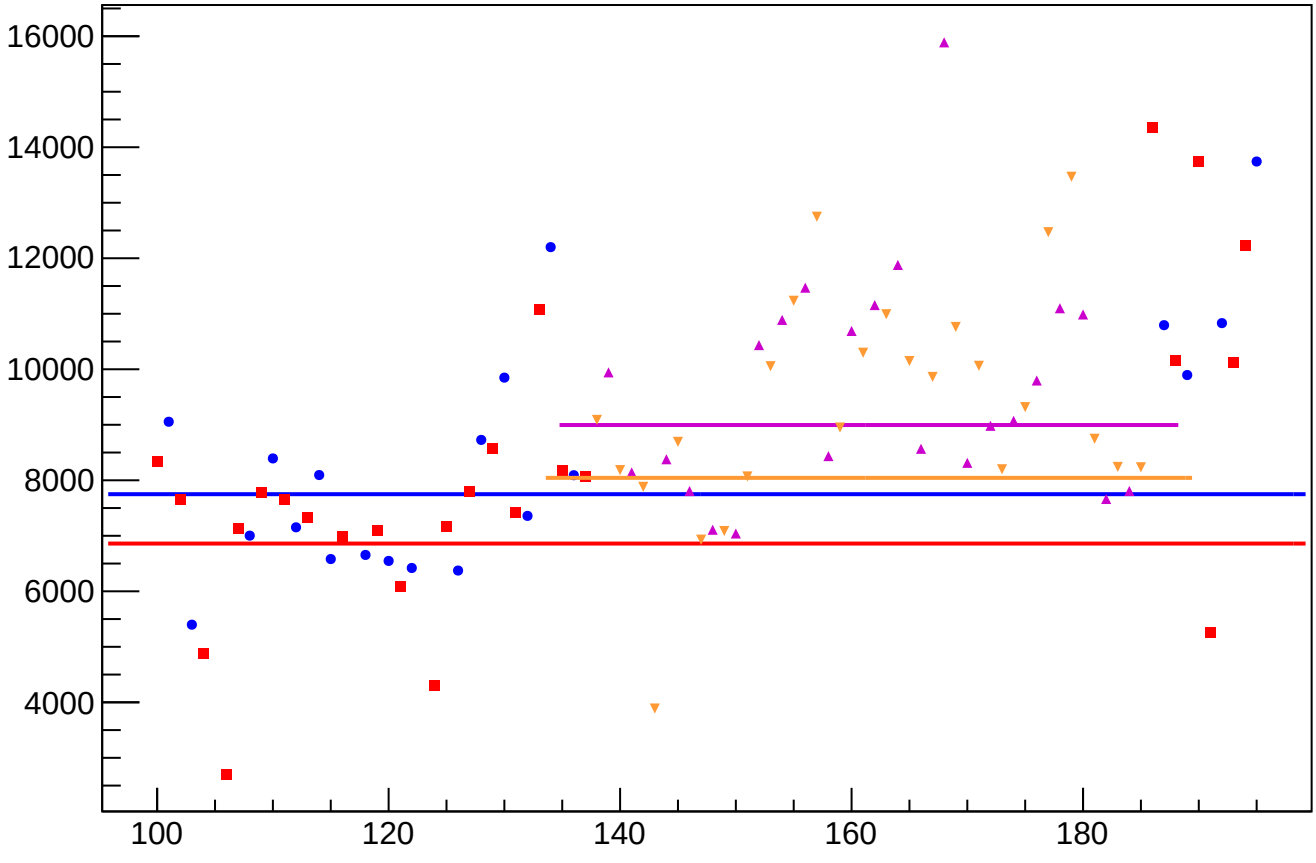
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -819.624+/-1538.752 χ^2/NDF: 48.5/44

All: 394.772+/-1089.729 χ^2/NDF: 91.1/92

- sign 1616.640+/-1543.479 χ^2/NDF: 41.4/47

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: 6860.162+/-1.573 χ^2/NDF: 2661526.0/24

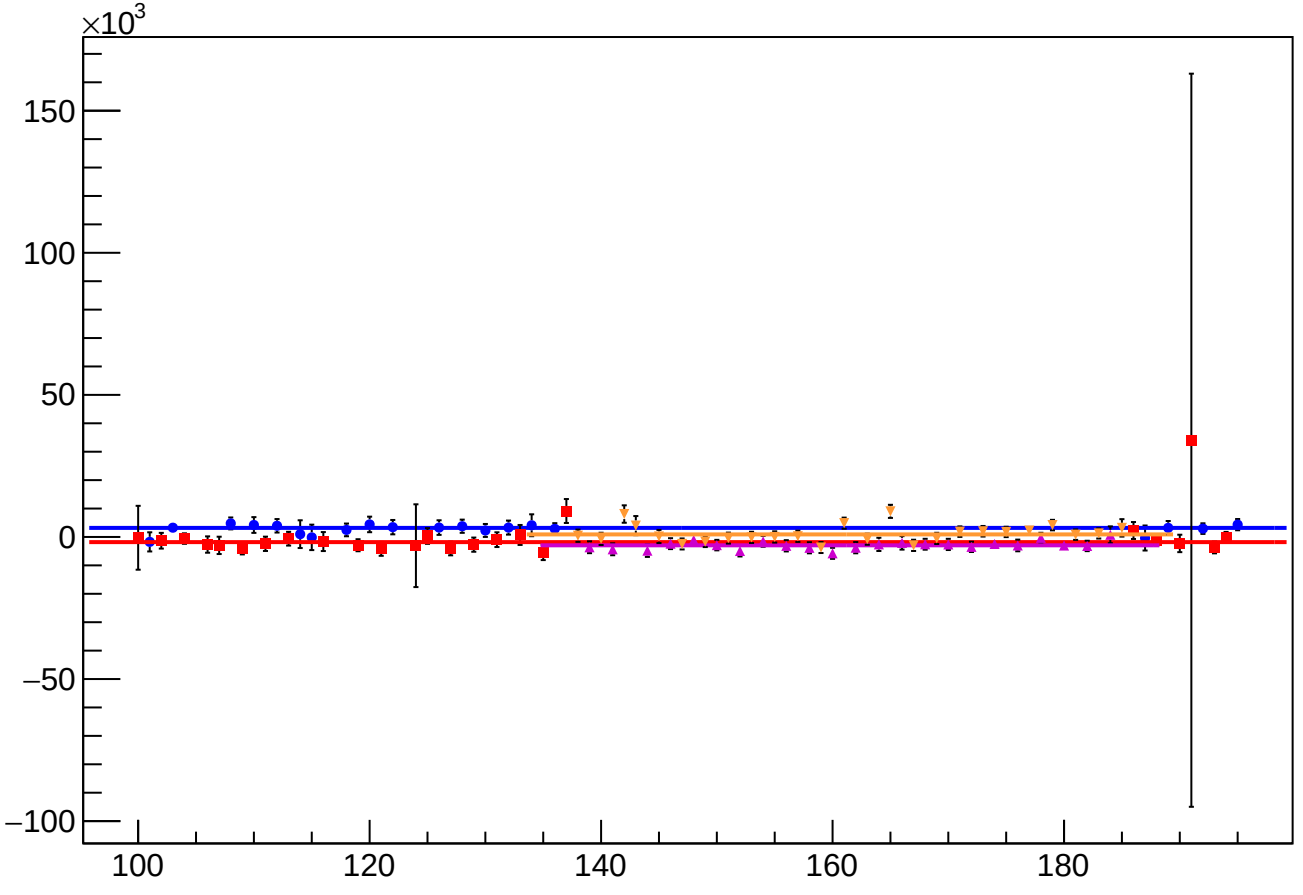
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7937.482+/-1.088 χ^2/NDF: 4521319.4/44

All: 7952.407+/-0.771 χ^2/NDF: 9346136.8/92

- sign 7967.424+/-1.091 χ^2/NDF: 4824439.9/47

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: -1814.770+/-529.143 χ^2/NDF: 17.8/24

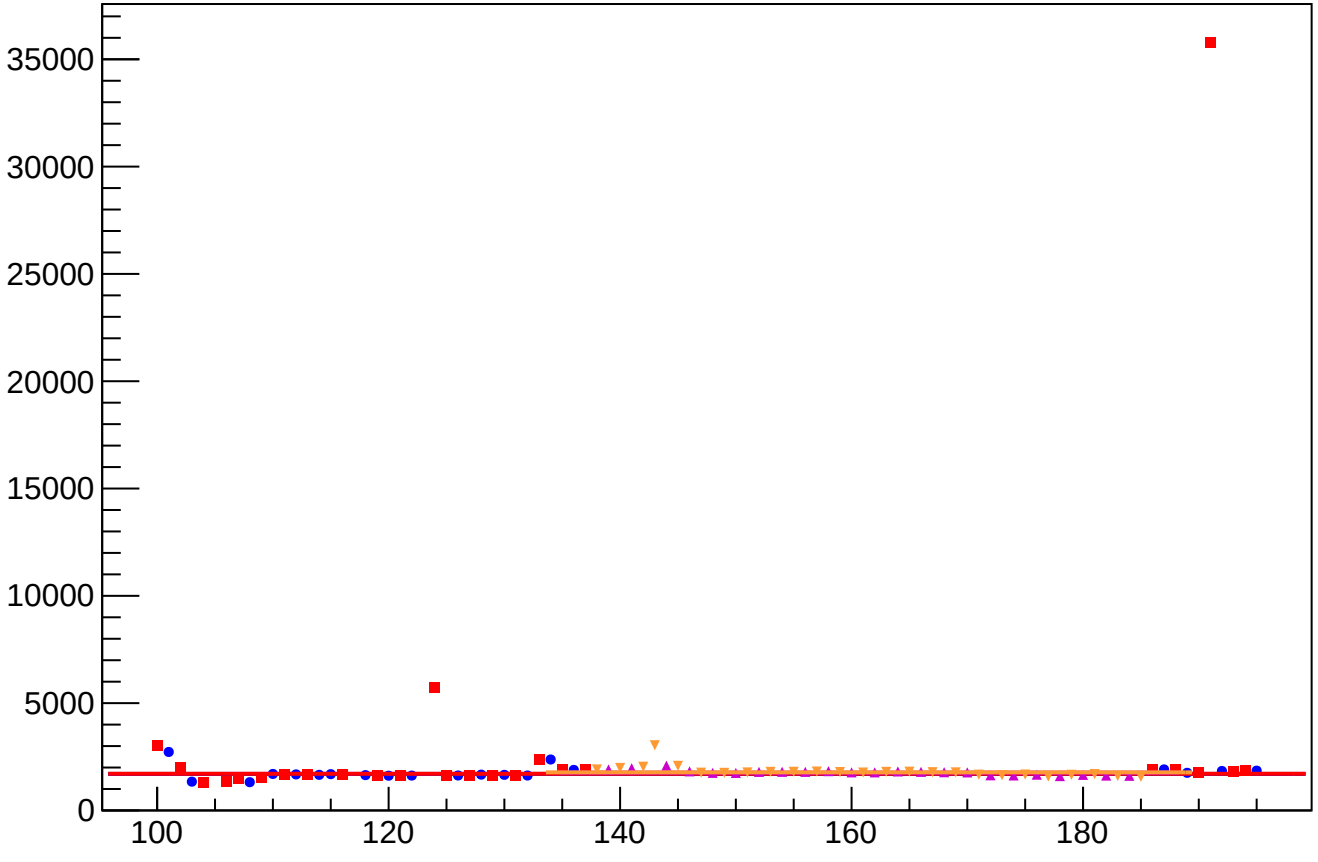
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.322+/-326.479 χ^2/NDF: 61.8/44

All: -414.778+/-230.372 χ^2/NDF: 177.0/92

- sign -2517.190+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

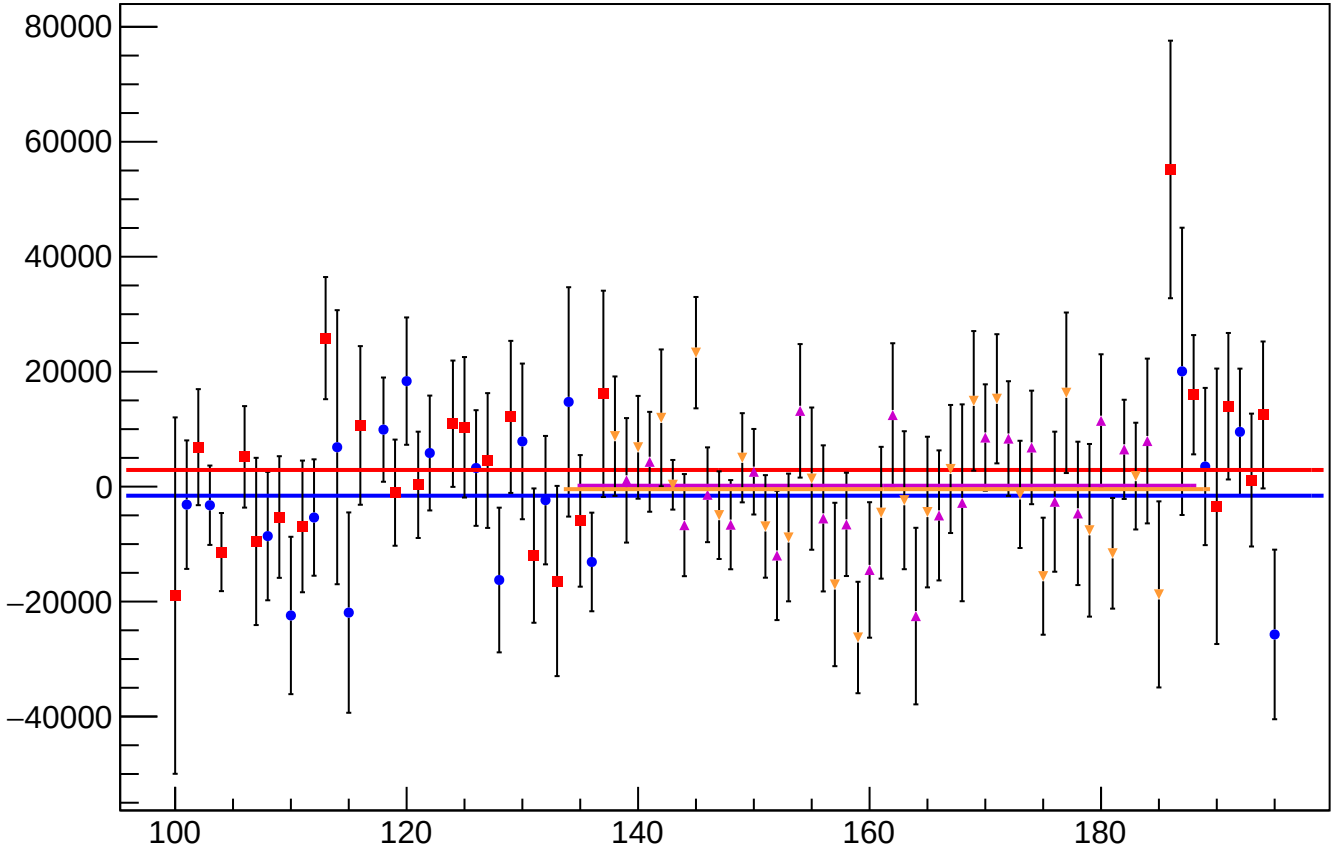
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921367.0/44

All: 1745.131+/-0.163 χ^2/NDF: 1725982.9/92

- sign 1741.247+/-0.230 χ^2/NDF: 804042.5/47

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: 2898.129+/-2315.112 χ^2/NDF: 26.4/24

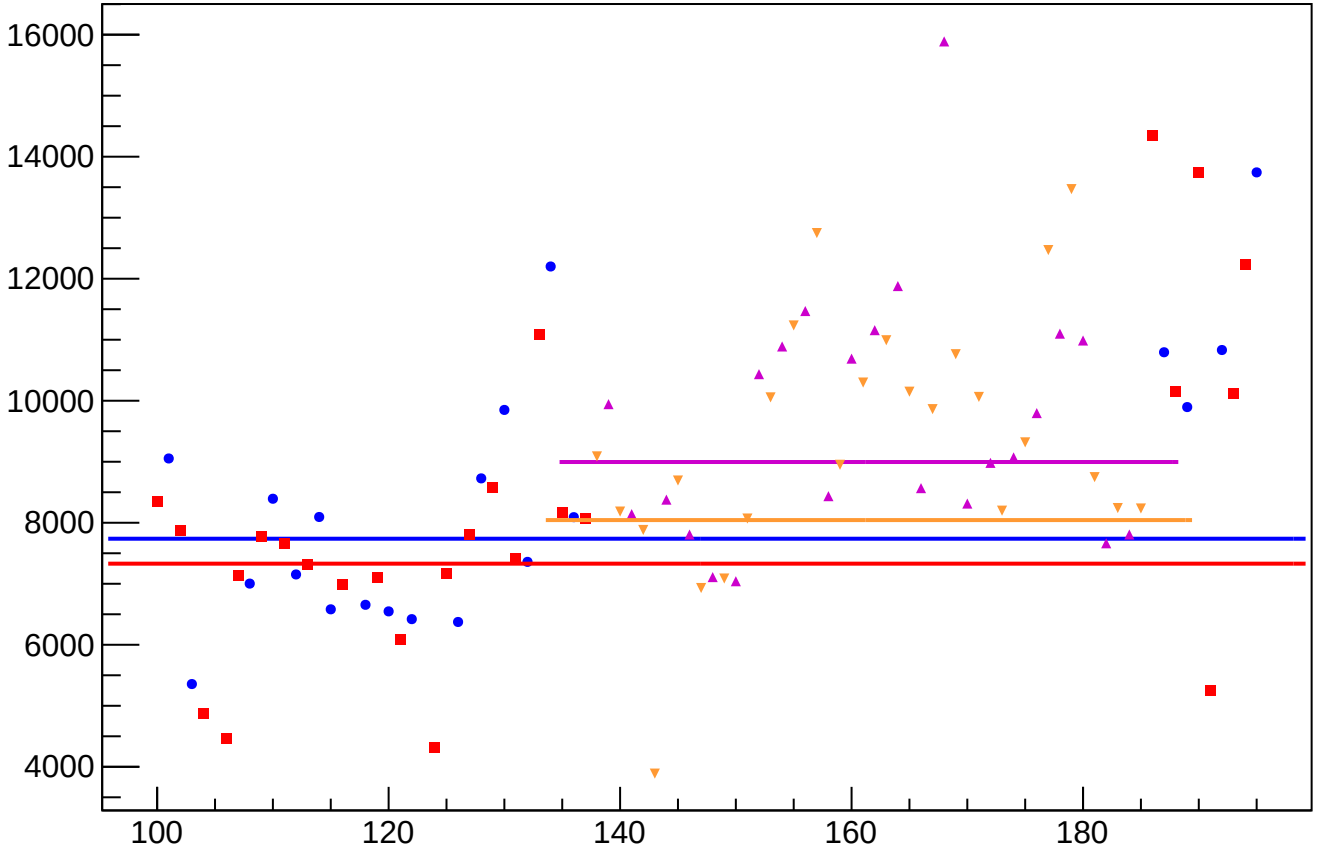
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -854.839+/-1538.103 χ^2/NDF: 48.6/44

All: 257.789+/-1099.683 χ^2/NDF: 90.6/92

- sign 1421.258+/-1572.852 χ^2/NDF: 41.0/47

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: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

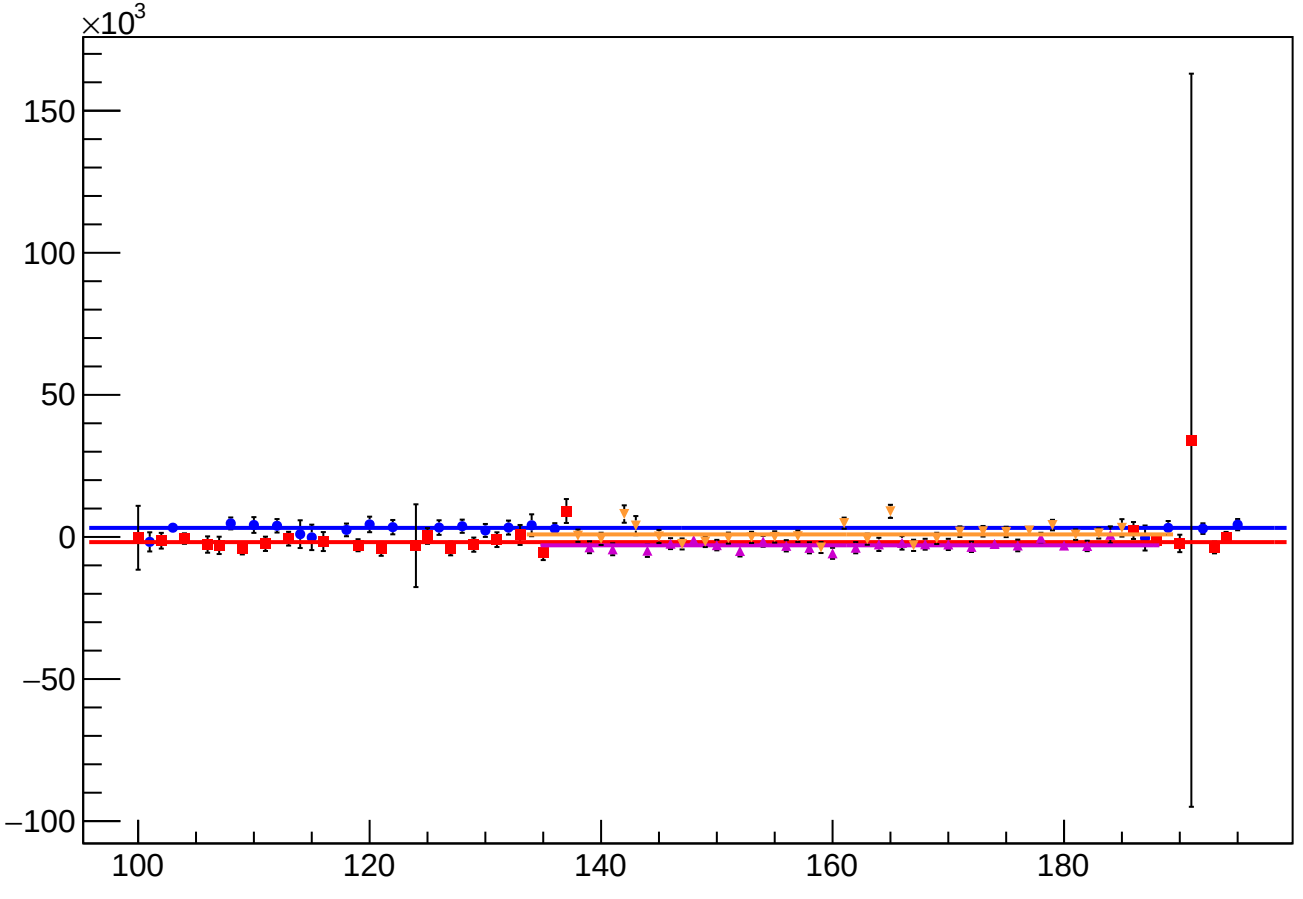
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7933.226+/-1.088 χ^2/NDF: 4535010.1/44

All: 8076.616+/-0.778 χ^2/NDF: 8098875.1/92

- sign 8226.559+/-1.112 χ^2/NDF: 3528306.6/47

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: -1814.770+/-529.143 χ^2/NDF: 17.8/24

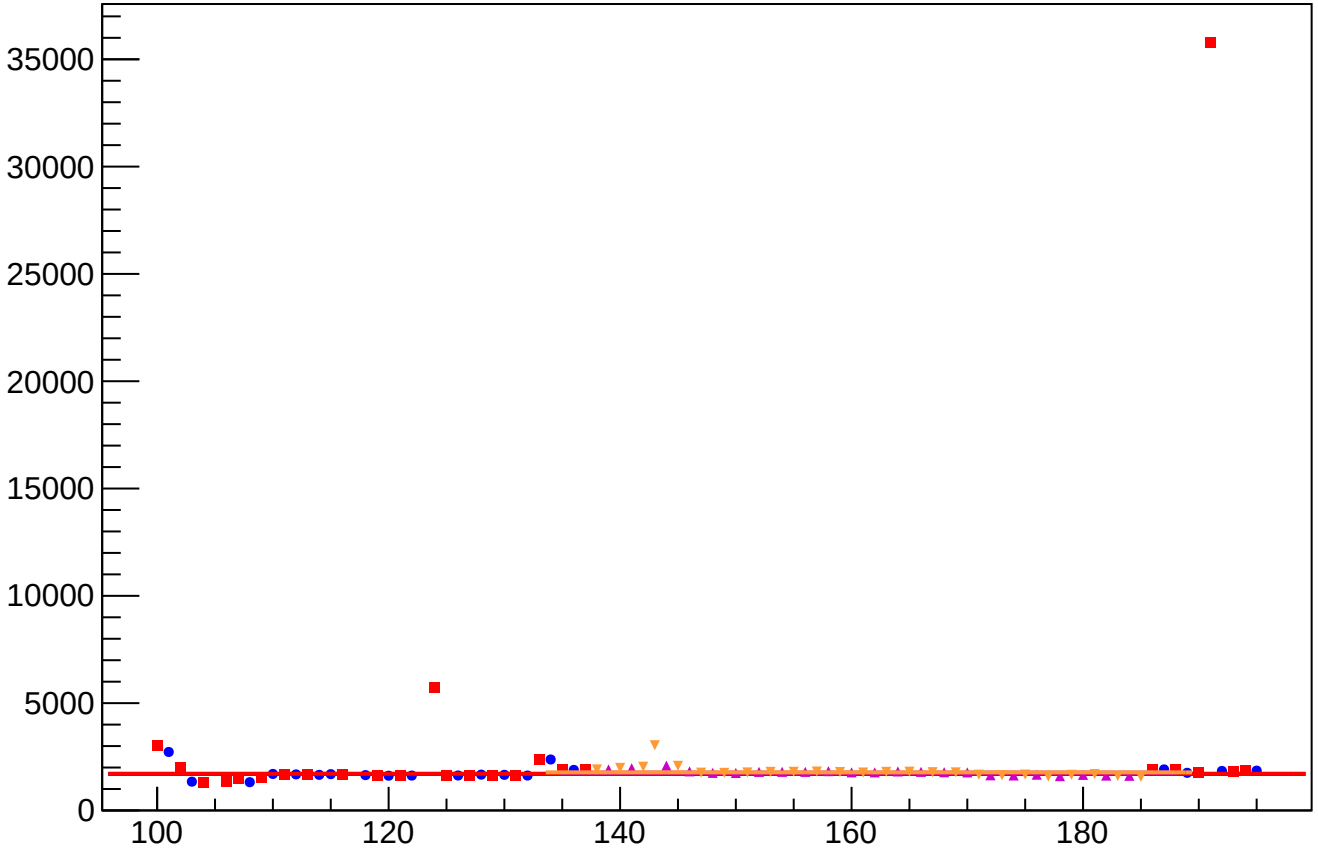
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1705.322+/-326.479 χ^2/NDF: 61.8/44

All: -414.778+/-230.372 χ^2/NDF: 177.0/92

- sign -2517.190+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

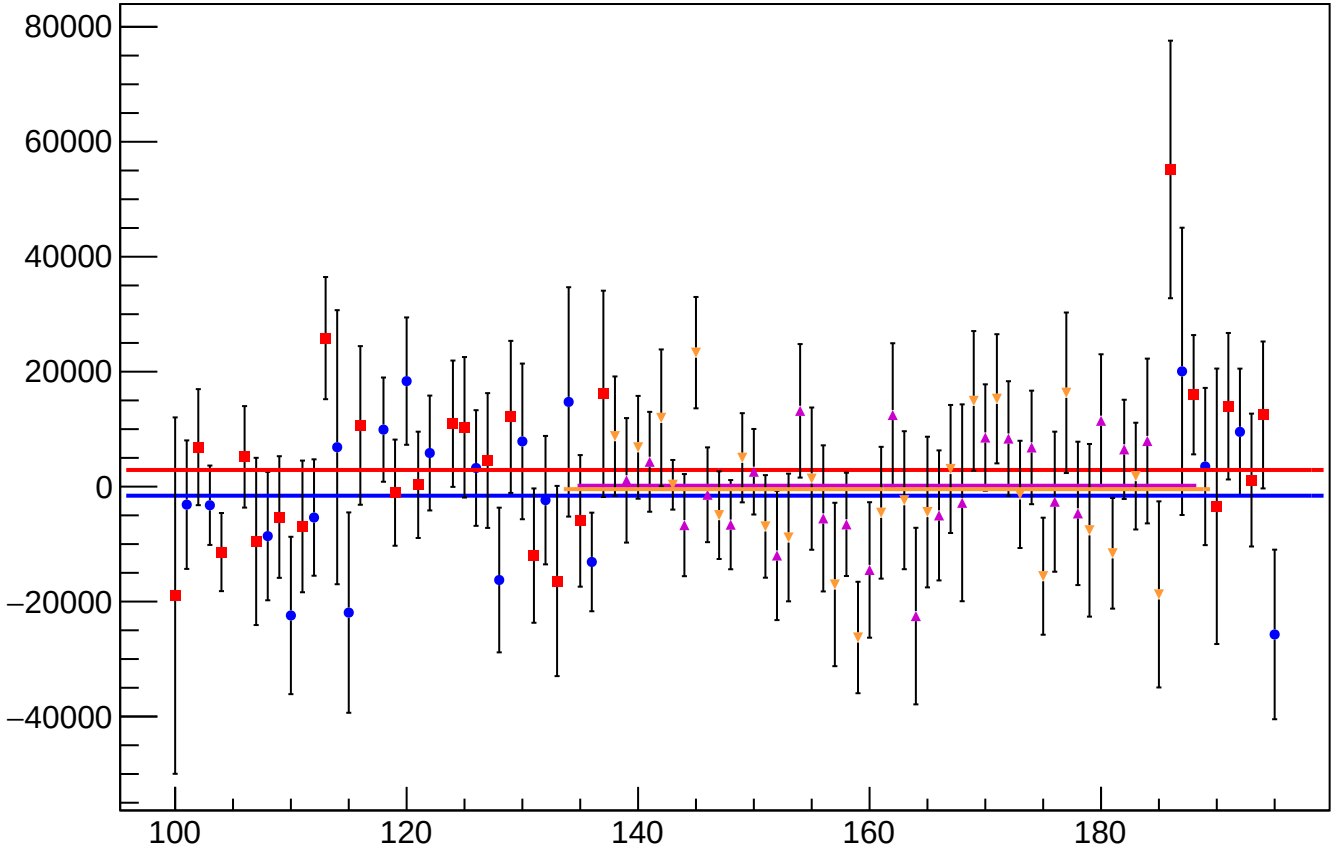
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1749.048+/-0.231 χ^2/NDF: 921367.0/44

All: 1745.131+/-0.163 χ^2/NDF: 1725982.9/92

- sign 1741.247+/-0.230 χ^2/NDF: 804042.5/47

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: 2898.129+/-2315.112 χ^2/NDF: 26.4/24

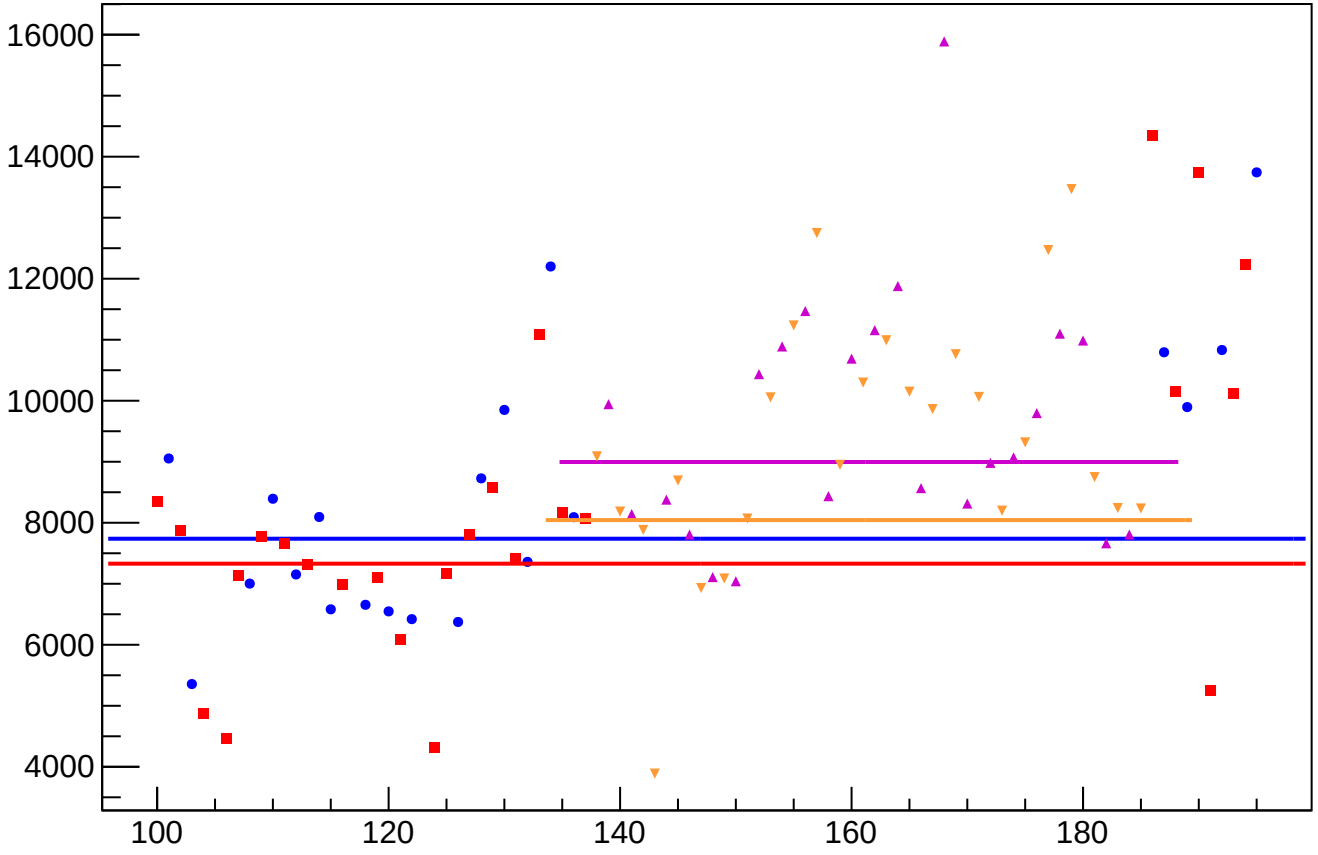
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -854.839+/-1538.103 χ^2/NDF: 48.6/44

All: 257.789+/-1099.683 χ^2/NDF: 90.6/92

\- sign 1421.258+/-1572.852 χ^2/NDF: 41.0/47

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: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

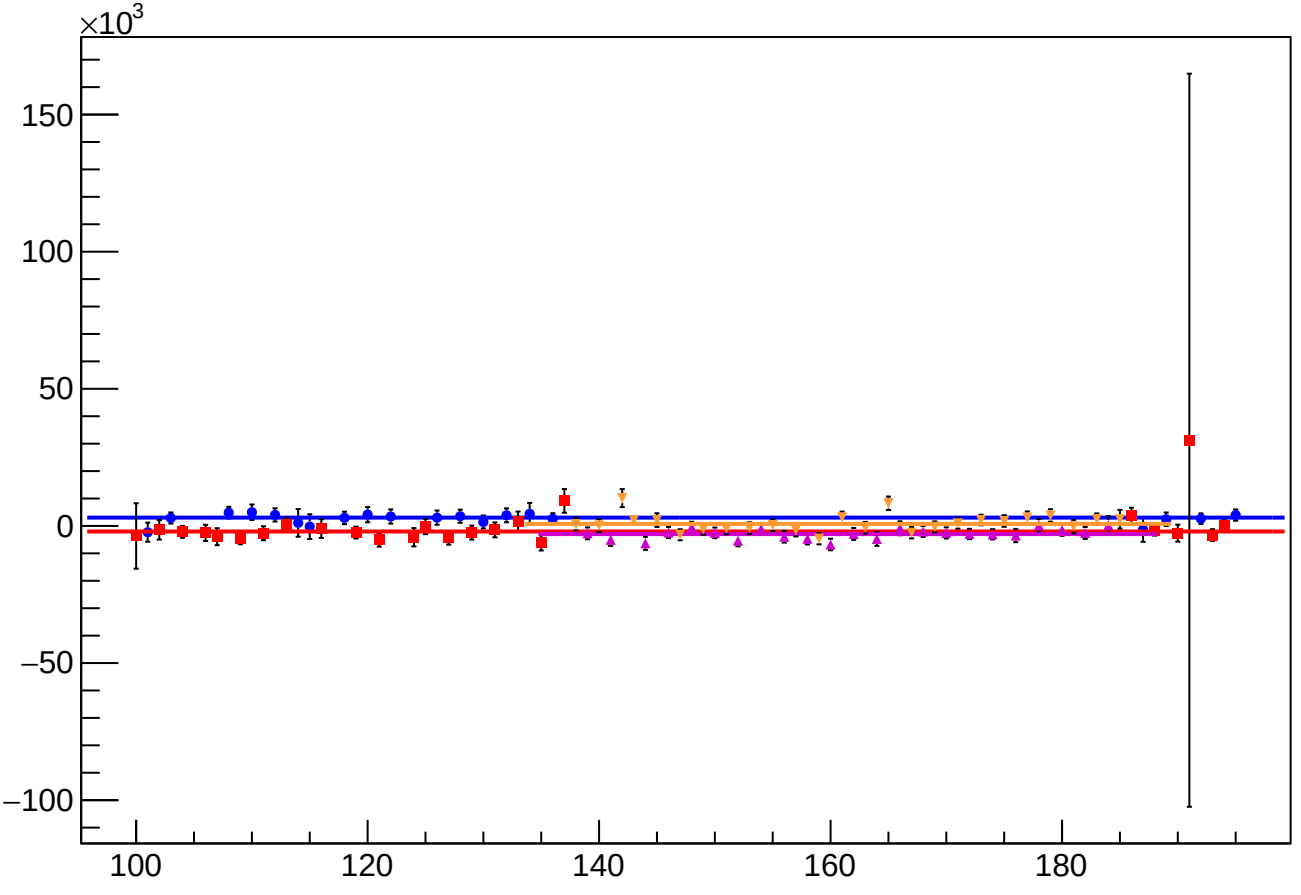
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7933.226+/-1.088 χ^2/NDF: 4535010.1/44

All: 8076.616+/-0.778 χ^2/NDF: 8098875.1/92

- sign 8226.559+/-1.112 χ^2/NDF: 3528306.6/47

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: -2027.648+/-542.859 χ^2/NDF: 21.6/24

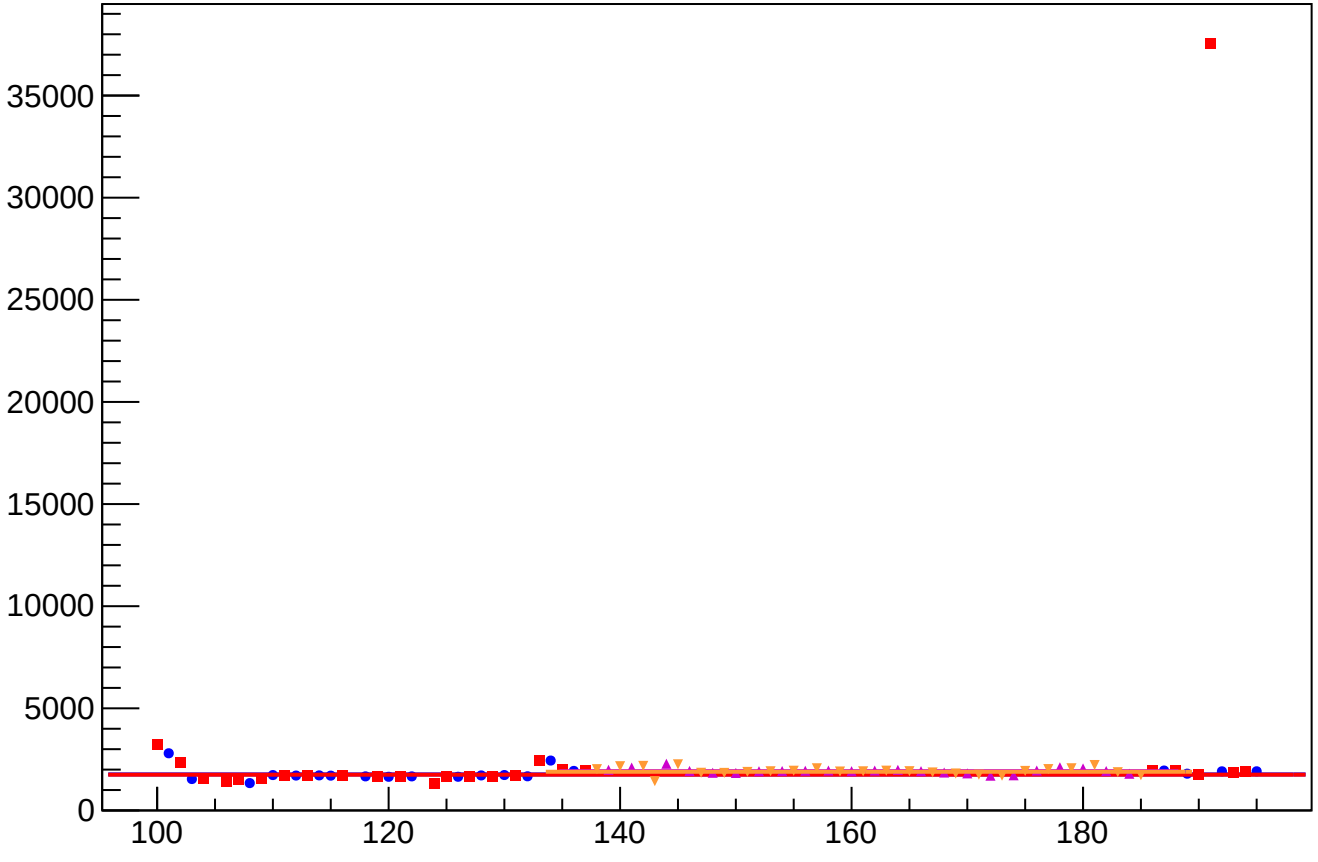
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1578.468+/-344.795 χ^2/NDF: 58.5/44

All: -495.549+/-244.442 χ^2/NDF: 170.2/92

- sign -2591.321+/-346.599 χ^2/NDF: 39.0/47

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: 1751.427+/-0.384 χ^2/NDF: 497153.5/24

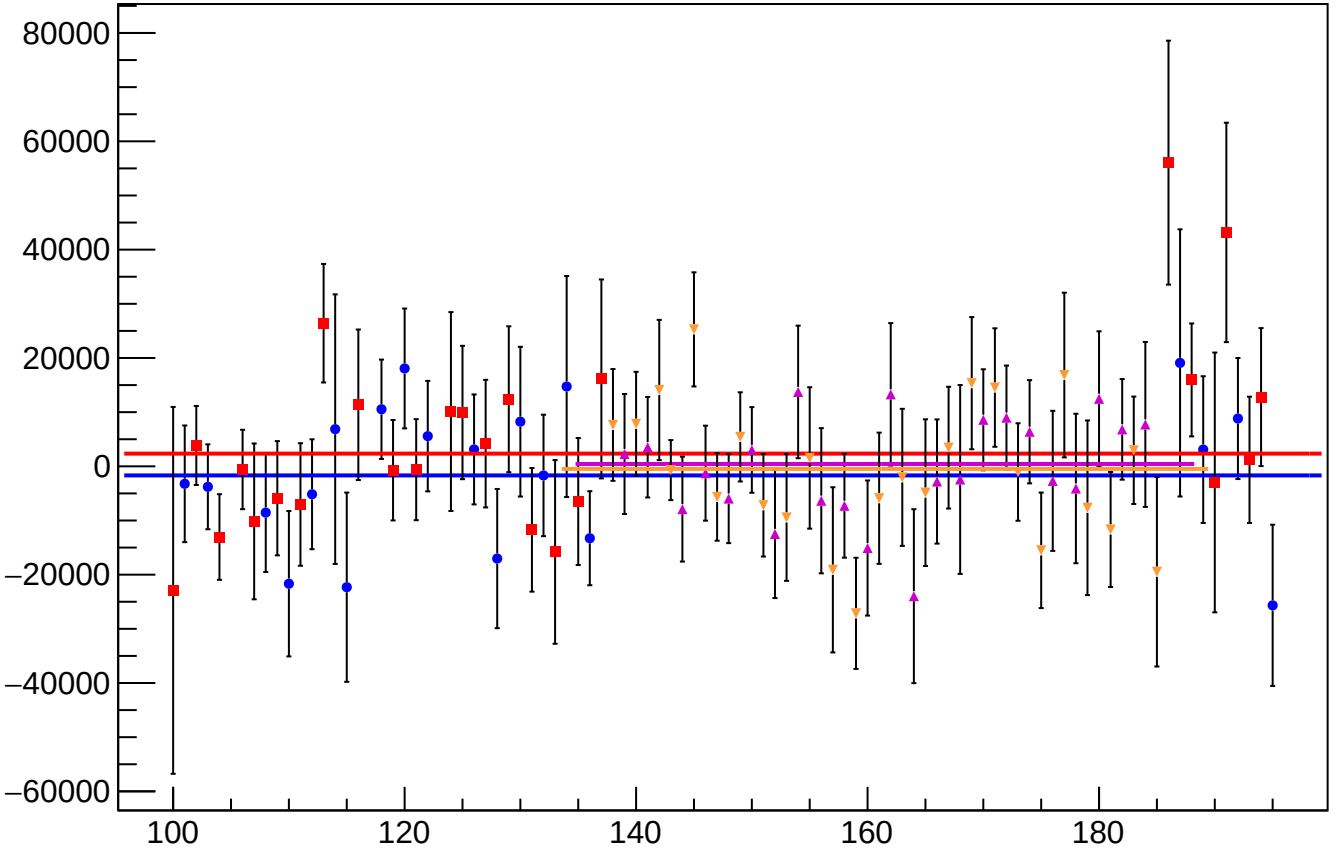
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

\+ sign 1847.148+/-0.244 χ^2/NDF: 834264.8/44

All: 1850.089+/-0.173 χ^2/NDF: 1601120.8/92

\- sign 1853.060+/-0.245 χ^2/NDF: 766563.5/47

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: 2346.279+/-2323.909 χ^2/NDF: 29.2/24

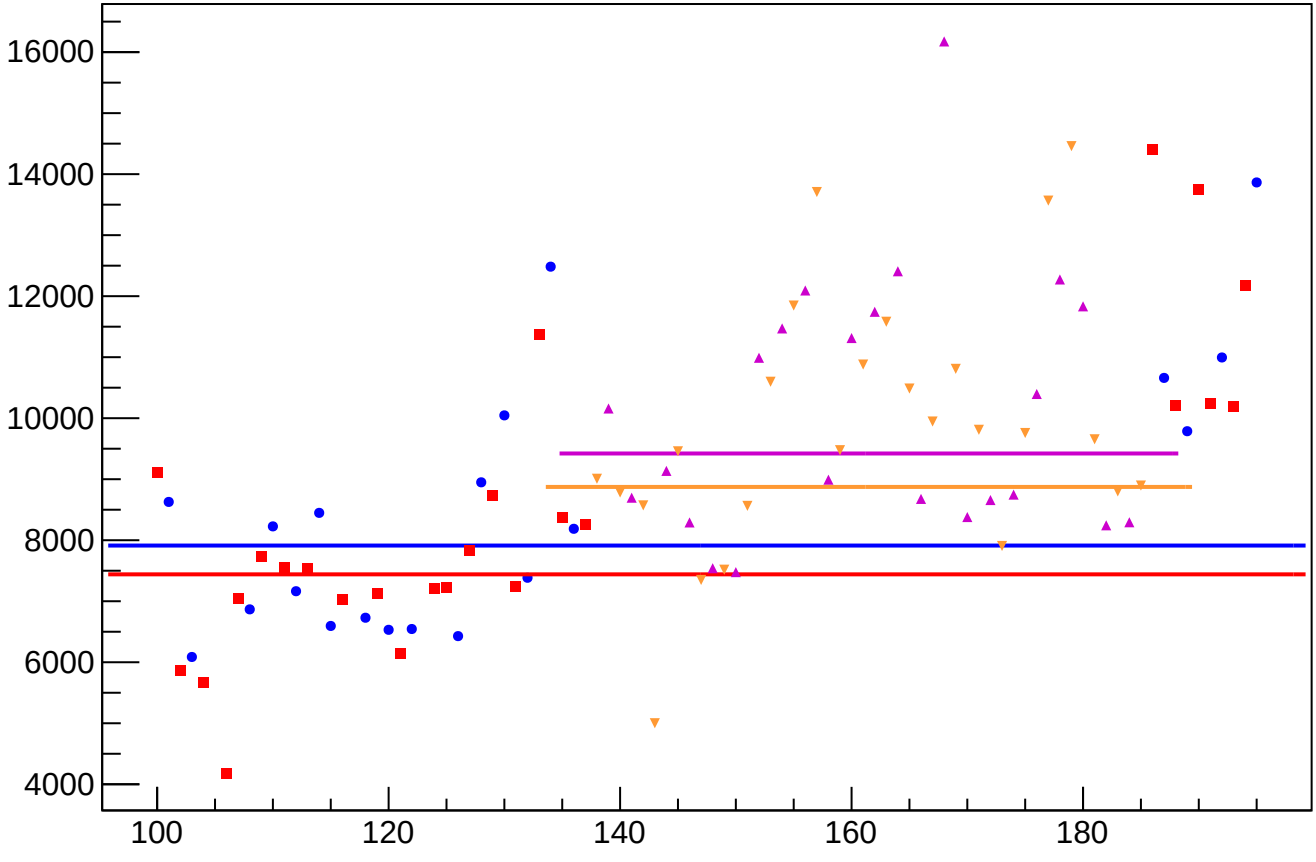
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -947.981+/-1629.894 χ^2/NDF: 47.7/44

All: 216.115+/-1147.099 χ^2/NDF: 91.8/92

- sign 1358.604+/-1614.697 χ^2/NDF: 43.1/47

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: 7440.746+/-1.643 χ^2/NDF: 1686446.1/24

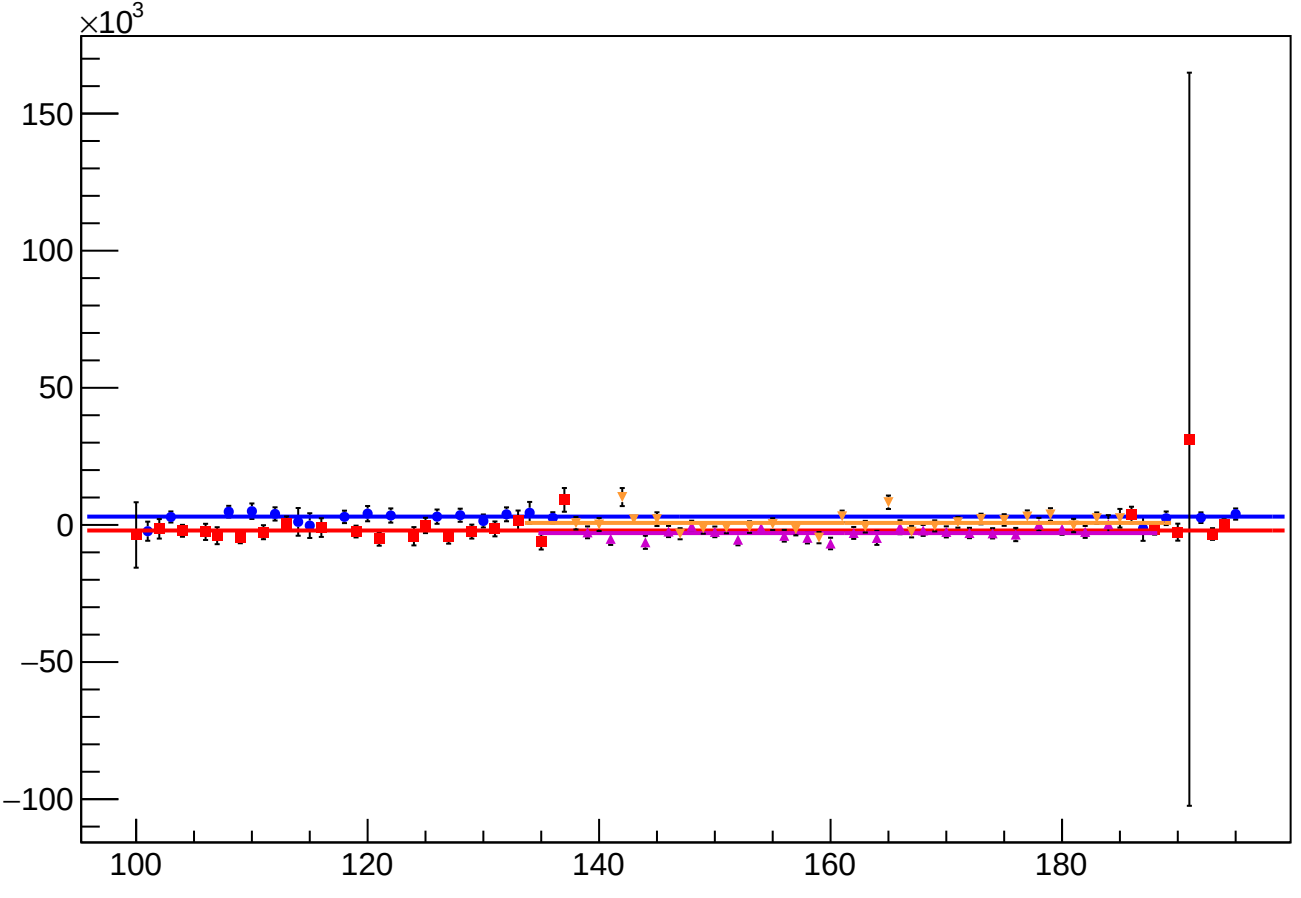
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

\+ sign 8497.542+/-1.153 χ^2/NDF: 3374654.3/44

All: 8481.295+/-0.811 χ^2/NDF: 7018006.8/92

\- sign 8465.350+/-1.142 χ^2/NDF: 3642958.7/47

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: -2027.654+/-542.858 χ^2/NDF: 21.6/24

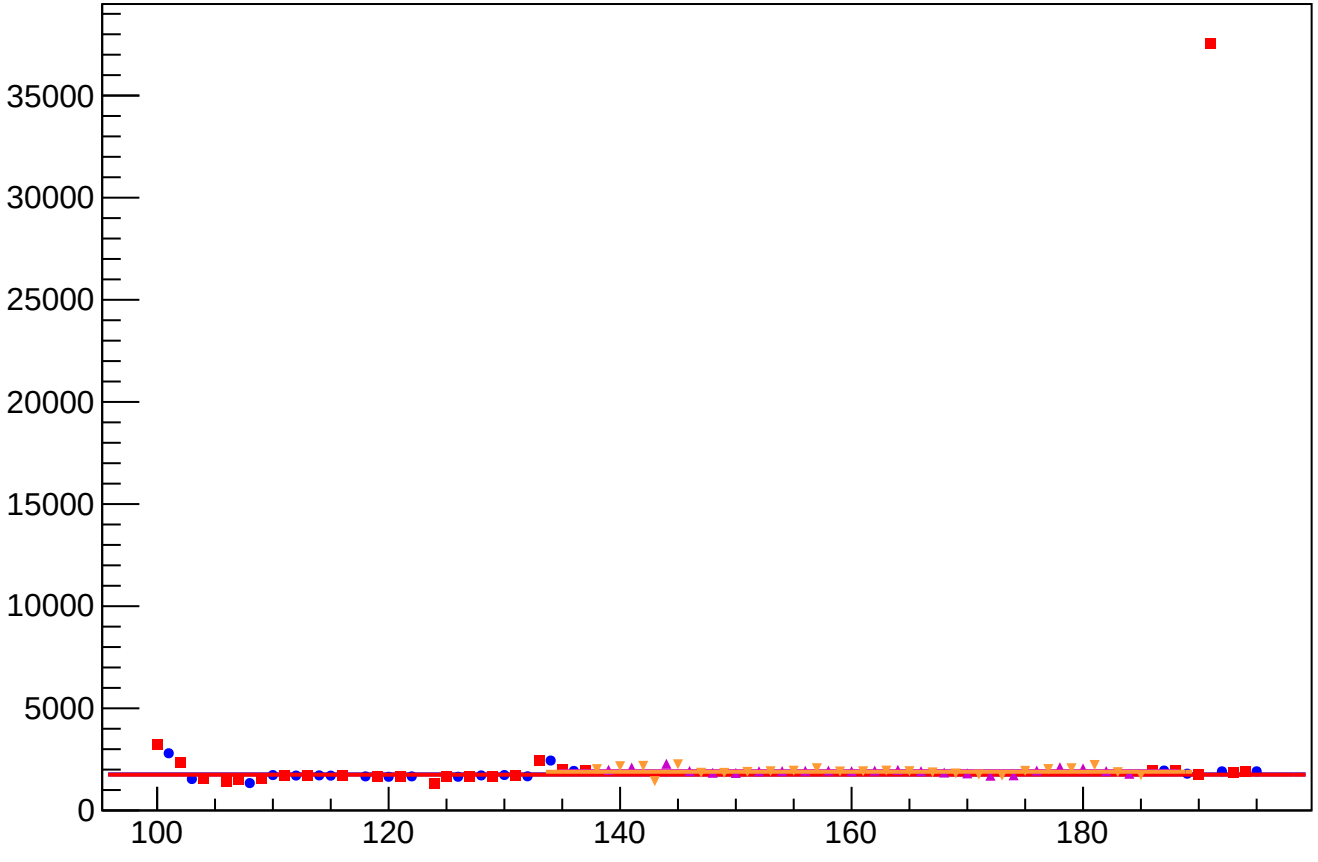
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1578.462+/-344.795 χ^2/NDF: 58.5/44

All: -495.553+/-244.442 χ^2/NDF: 170.2/92

- sign -2591.323+/-346.599 χ^2/NDF: 39.0/47

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: 1751.427+/-0.384 χ^2/NDF: 497154.0/24

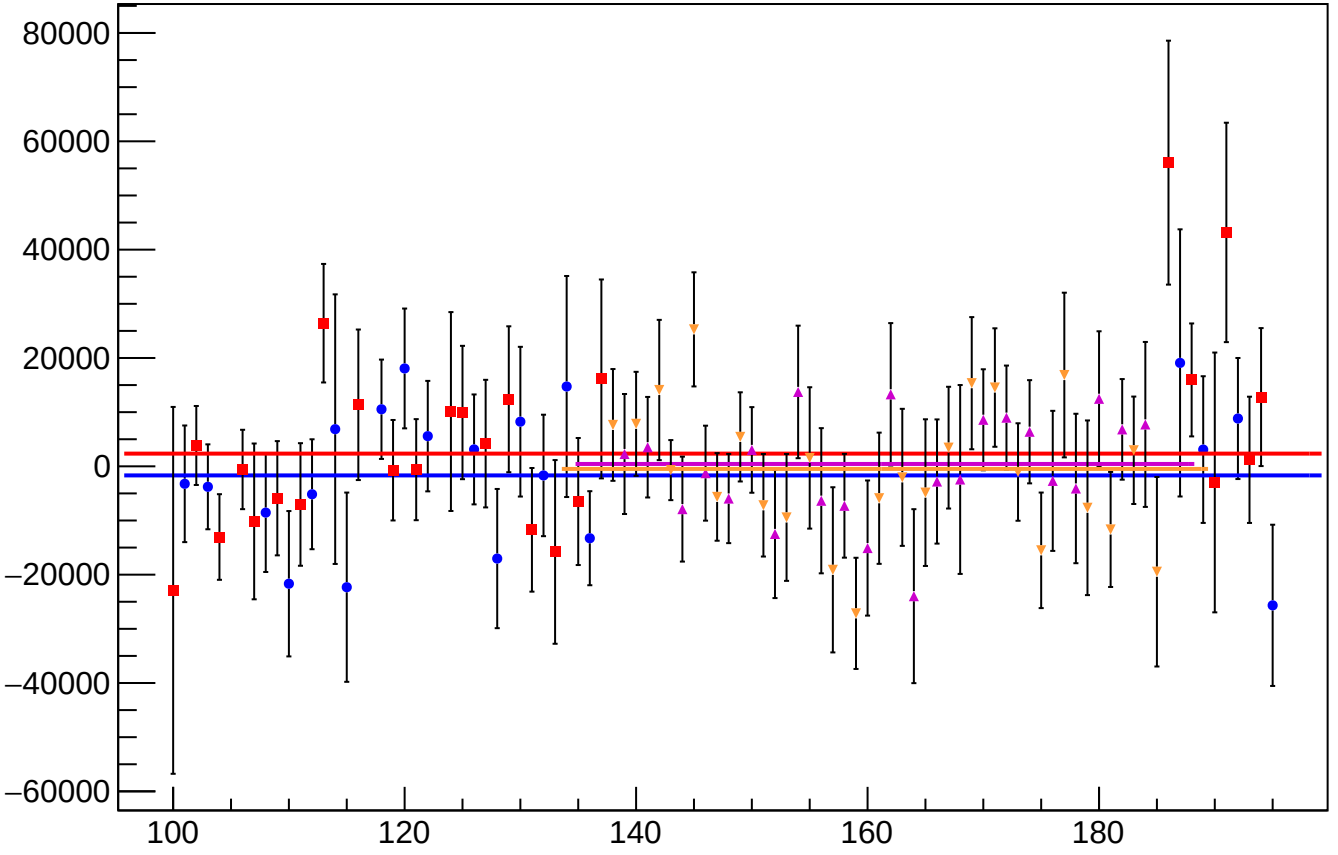
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1847.150+/-0.244 χ^2/NDF: 834276.1/44

All: 1850.091+/-0.173 χ^2/NDF: 1601144.8/92

- sign 1853.061+/-0.245 χ^2/NDF: 766576.2/47

asym_at2_avg_eigen_dit_correction_mean vs Slug



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: 2346.264+/-2323.905 χ^2/NDF: 29.2/24

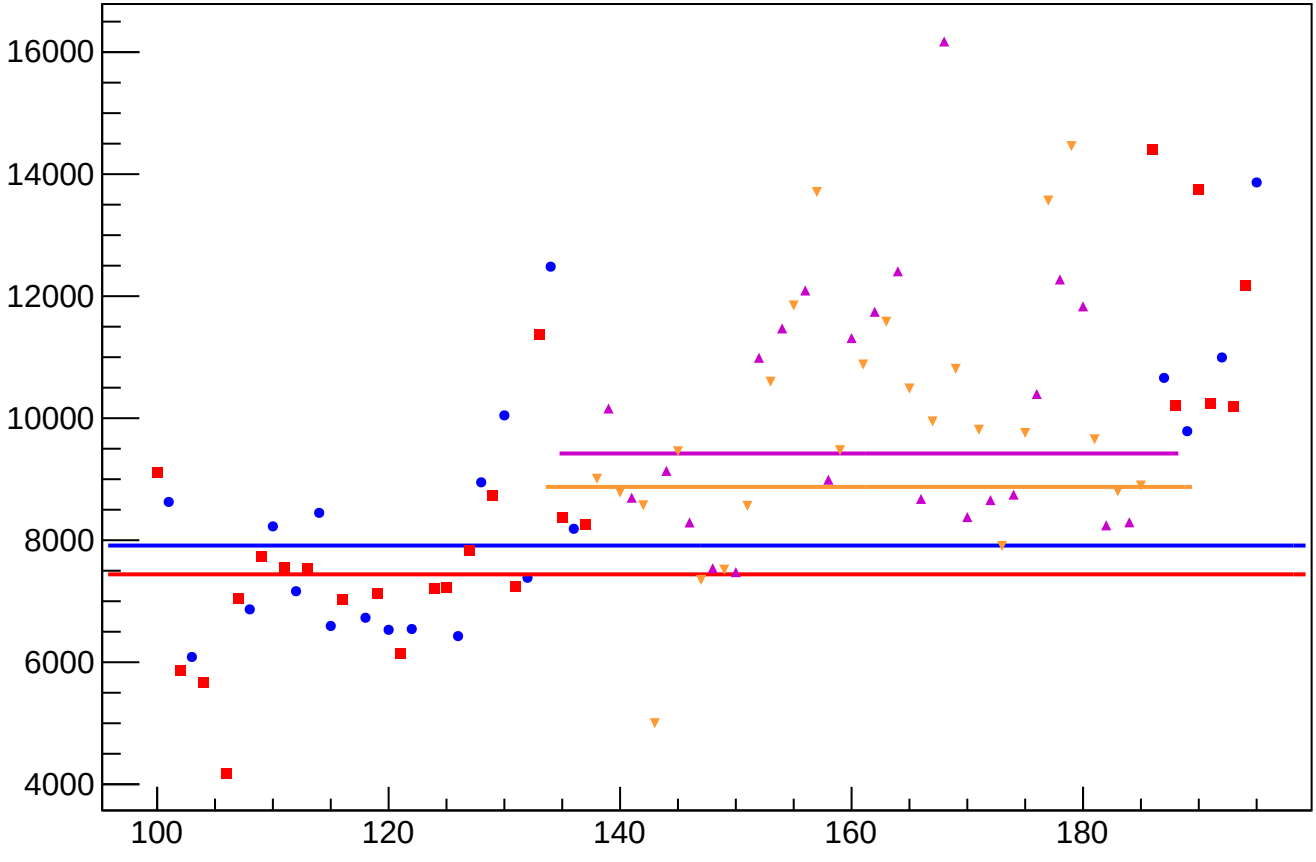
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -947.980+/-1629.895 χ^2/NDF: 47.7/44

All: 216.114+/-1147.099 χ^2/NDF: 91.8/92

- sign 1358.602+/-1614.697 χ^2/NDF: 43.1/47

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: 7440.732+/-1.643 χ^2/NDF: 1686453.5/24

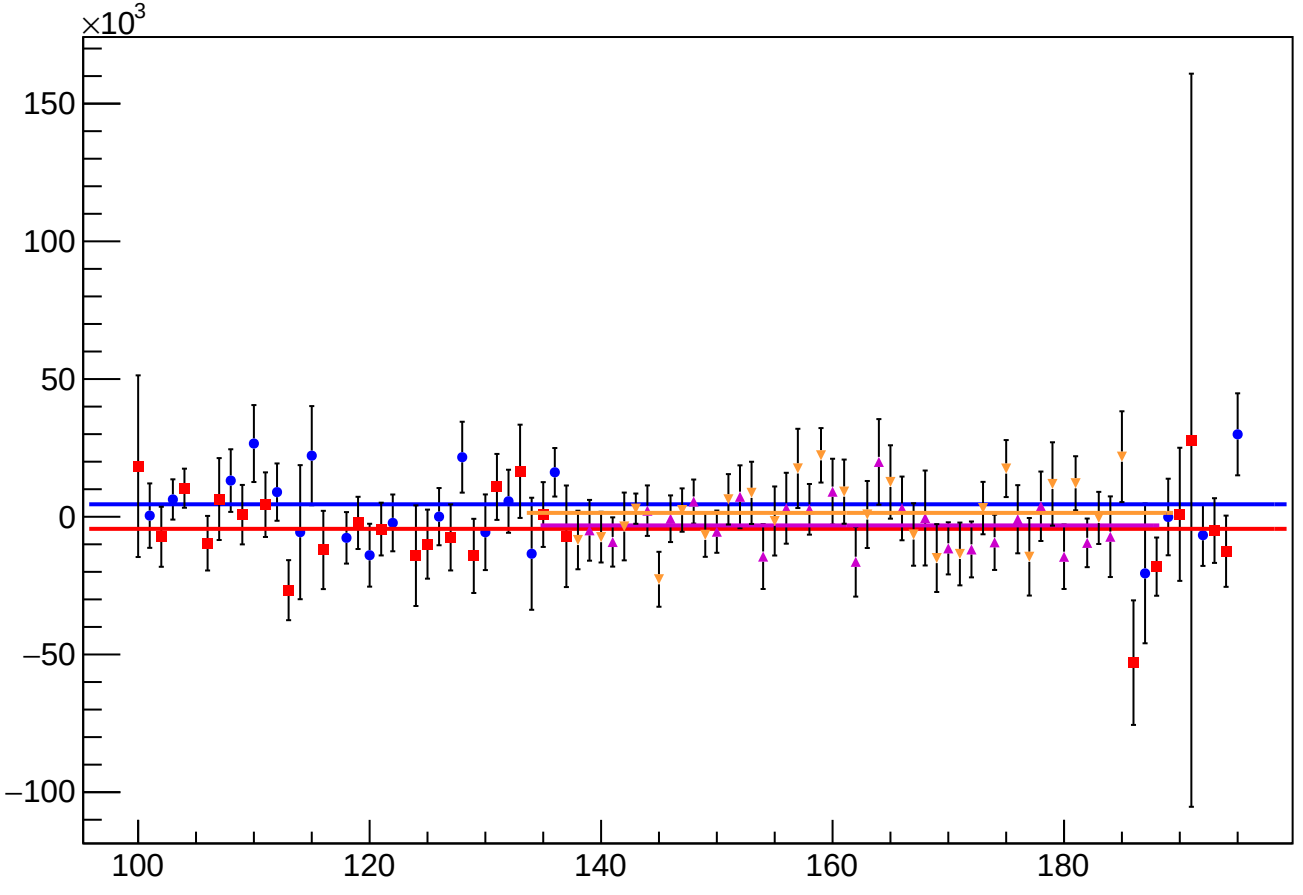
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

\+ sign 8497.543+/-1.153 χ^2/NDF: 3374678.0/44

All: 8481.294+/-0.811 χ^2/NDF: 7018063.2/92

\- sign 8465.348+/-1.142 χ^2/NDF: 3642991.4/47

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: -4385.440+/-2472.832 χ^2/NDF: 22.2/24

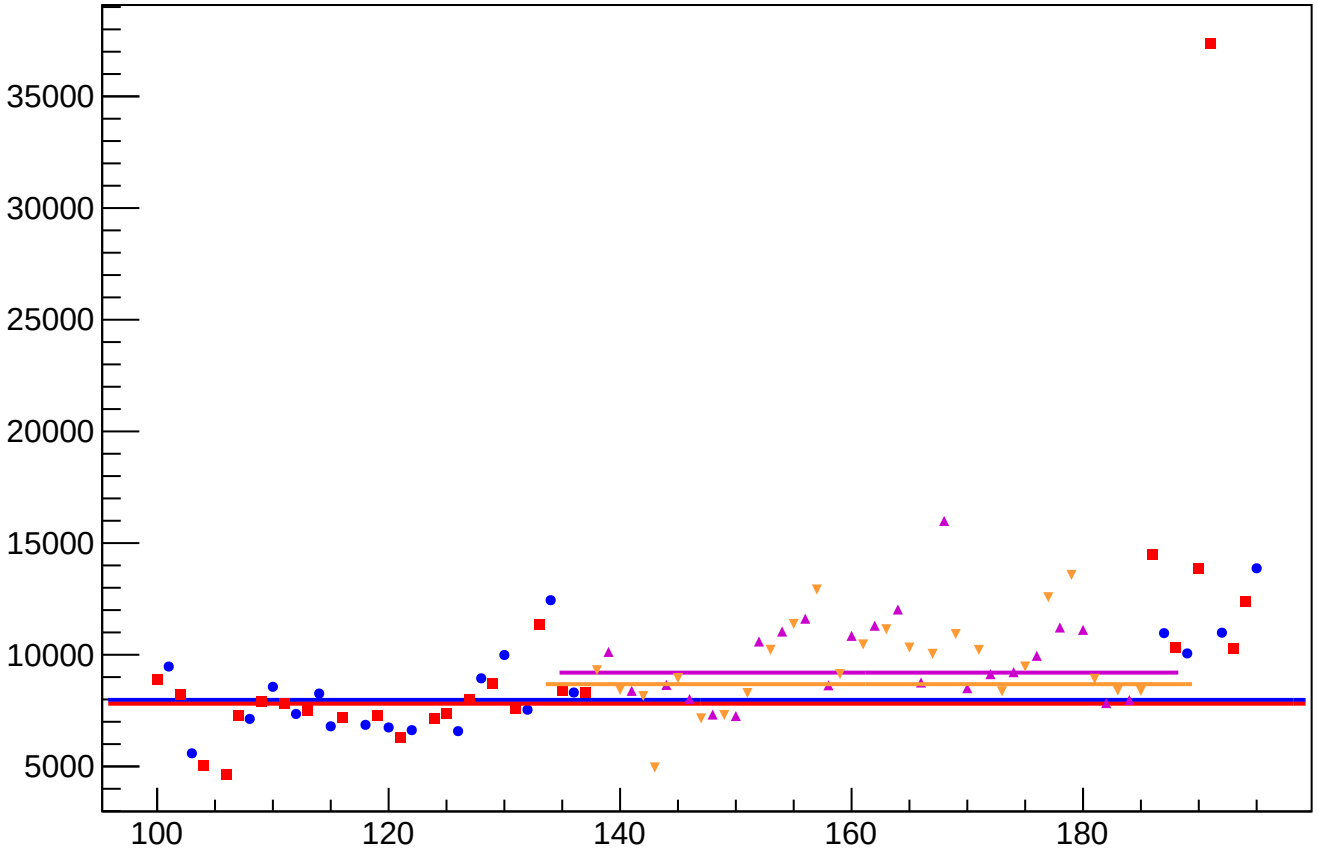
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2579.861+/-1612.616 χ^2/NDF: 47.7/44

All: -502.177+/-1149.595 χ^2/NDF: 90.4/92

- sign -3686.890+/-1639.257 χ^2/NDF: 35.3/47

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

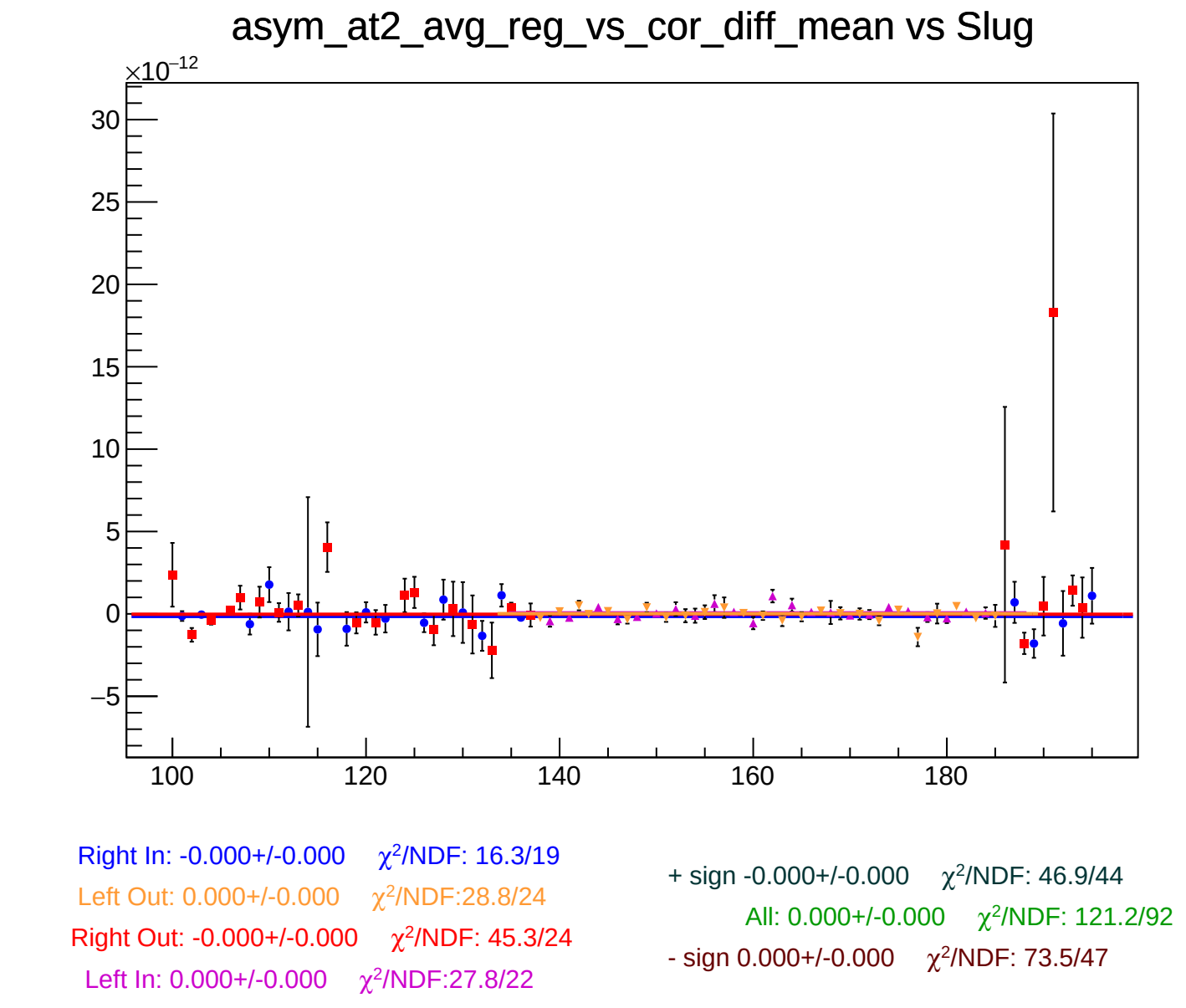
Right Out: 7809.325+/-1.748 χ^2/NDF: 1540102.9/24

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

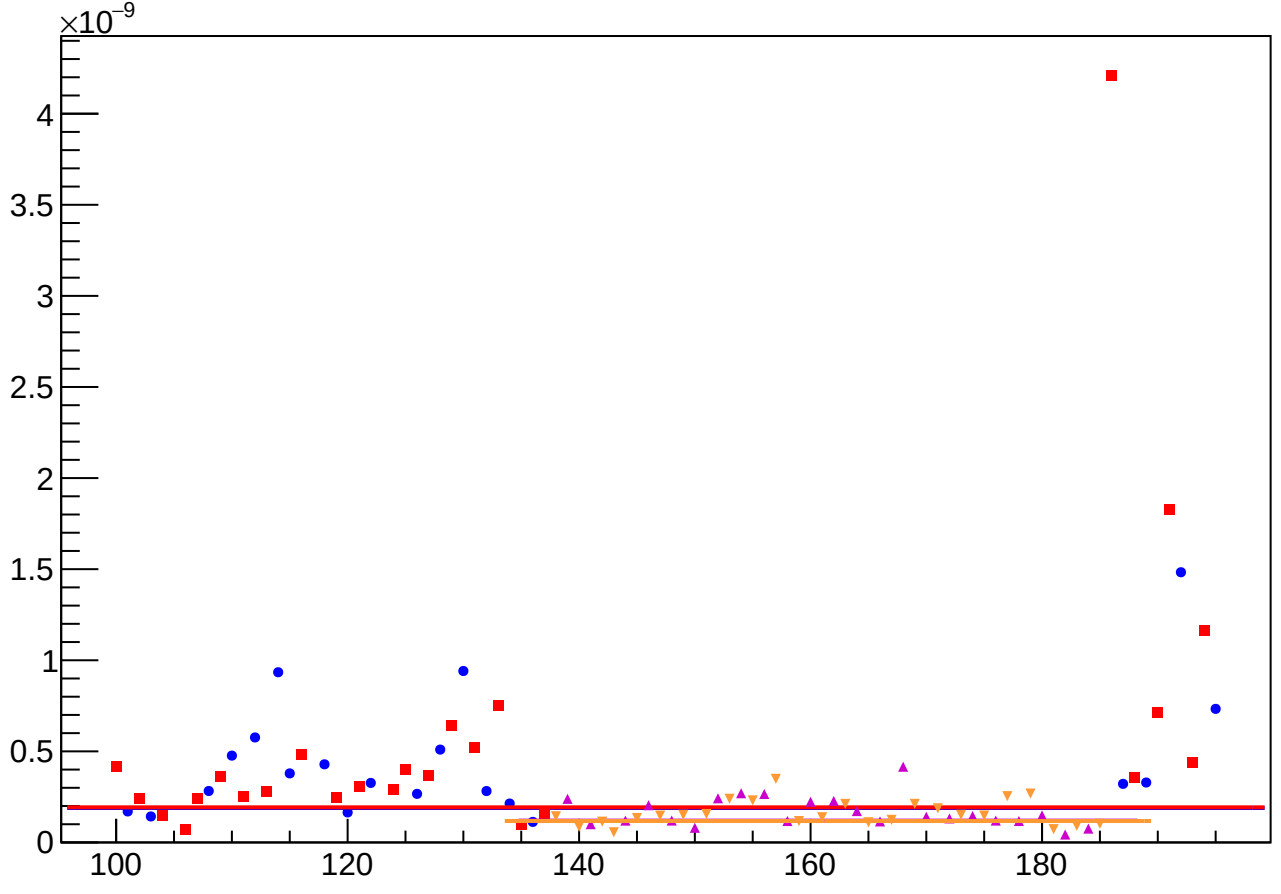
+ sign 8420.042+/-1.140 χ^2/NDF: 3228875.8/44

All: 8503.273+/-0.813 χ^2/NDF: 6264243.3/92

- sign 8589.273+/-1.159 χ^2/NDF: 3024534.8/47


asym_at2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
30
25
20
15
10
5
0
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 16.3/19
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.3/24
Left In: 0.000+/-0.000 χ²/NDF:27.8/22
+ sign -0.000+/-0.000 χ²/NDF: 46.9/44
All: 0.000+/-0.000 χ²/NDF: 121.2/92
- sign 0.000+/-0.000 χ²/NDF: 73.5/47

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: 3185257.8/24

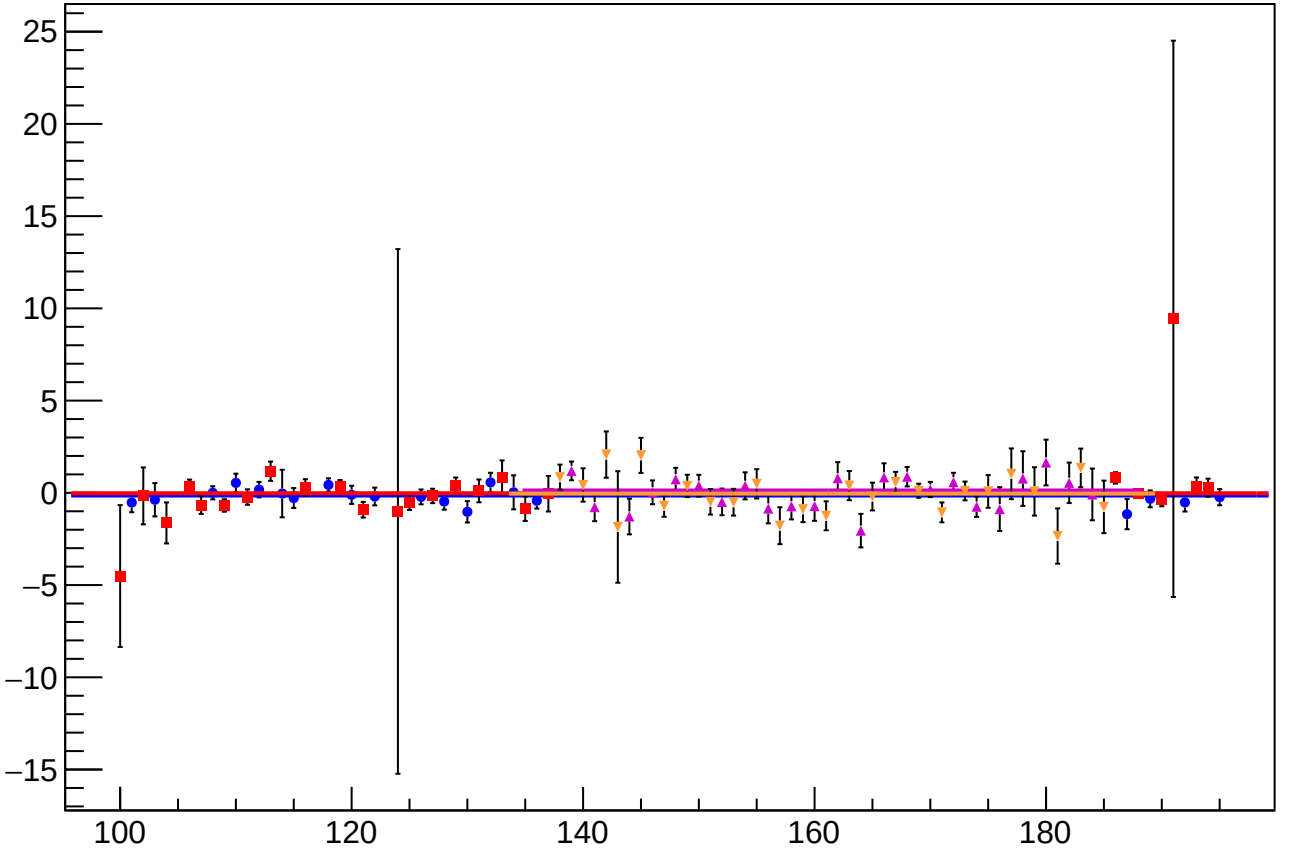
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5662061.1/44

All: 0.000+/-0.000 χ^2/NDF: 12139645.3/92

- sign 0.000+/-0.000 χ^2/NDF: 6472653.4/47

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: -0.021+/-0.087 χ^2/NDF: 35.9/24

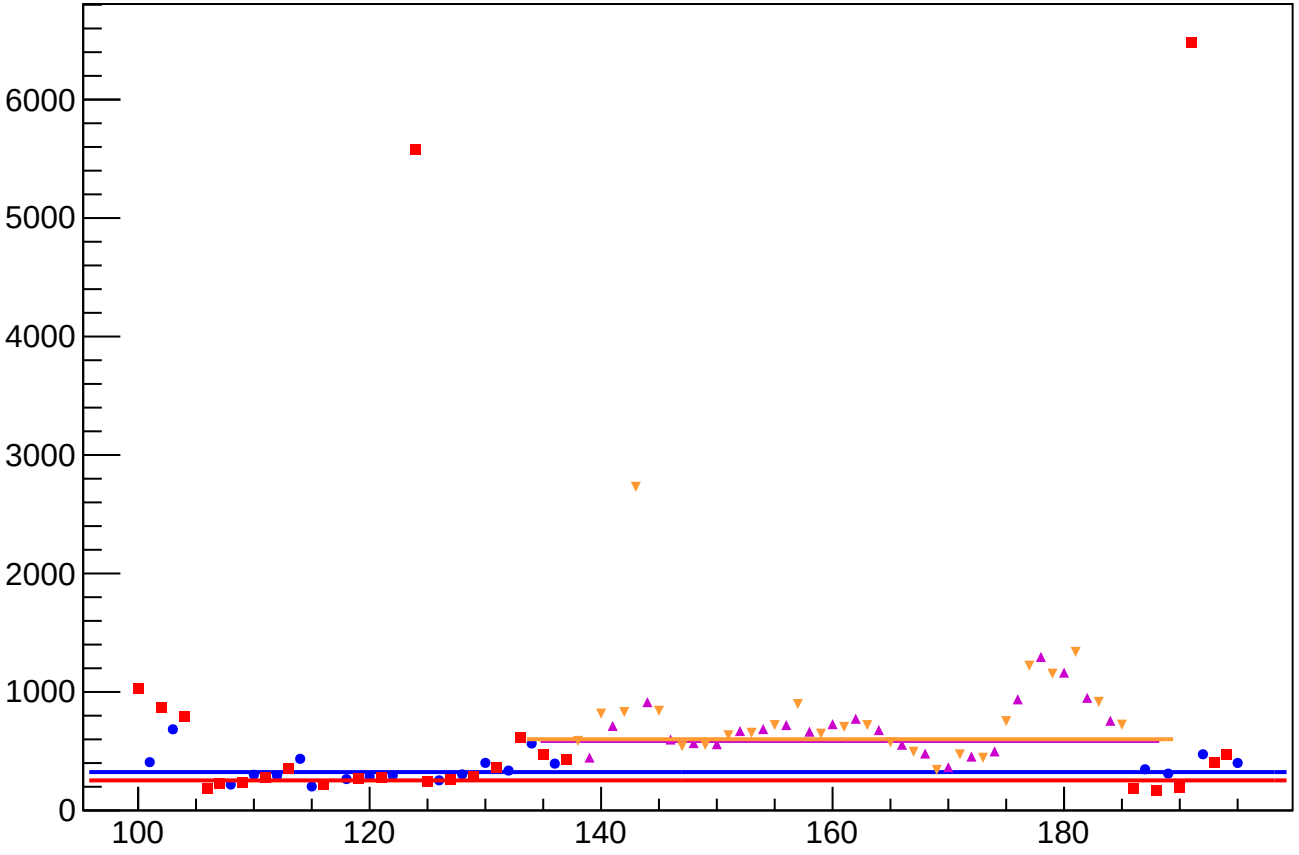
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.035+/-0.057 χ^2/NDF: 110.7/92

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

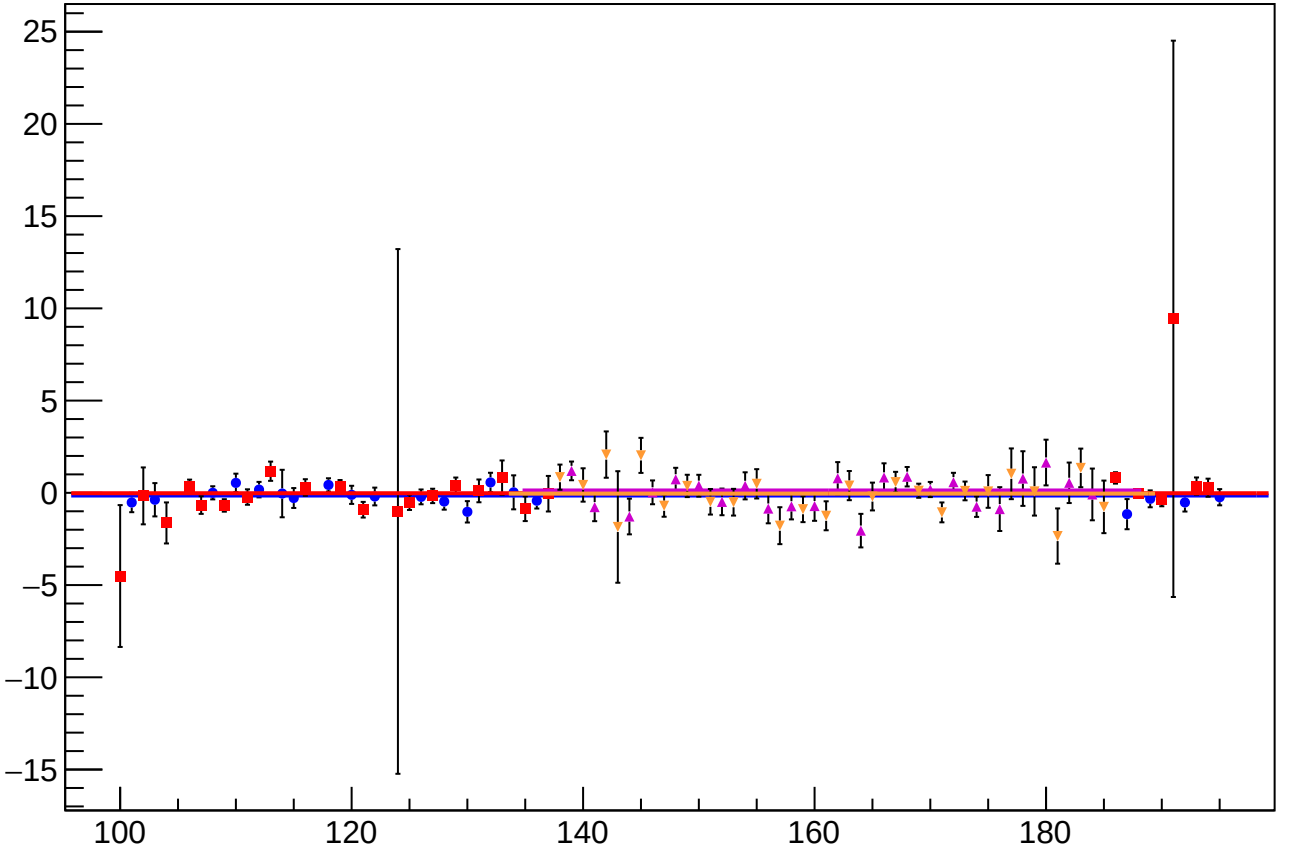
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 422.750+/-0.062 χ^2/NDF: 10304644.0/44

All: 375.977+/-0.040 χ^2/NDF: 25505070.2/92

- sign 342.203+/-0.053 χ^2/NDF: 14229639.2/47

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: -0.021+/-0.087 χ^2/NDF: 35.9/24

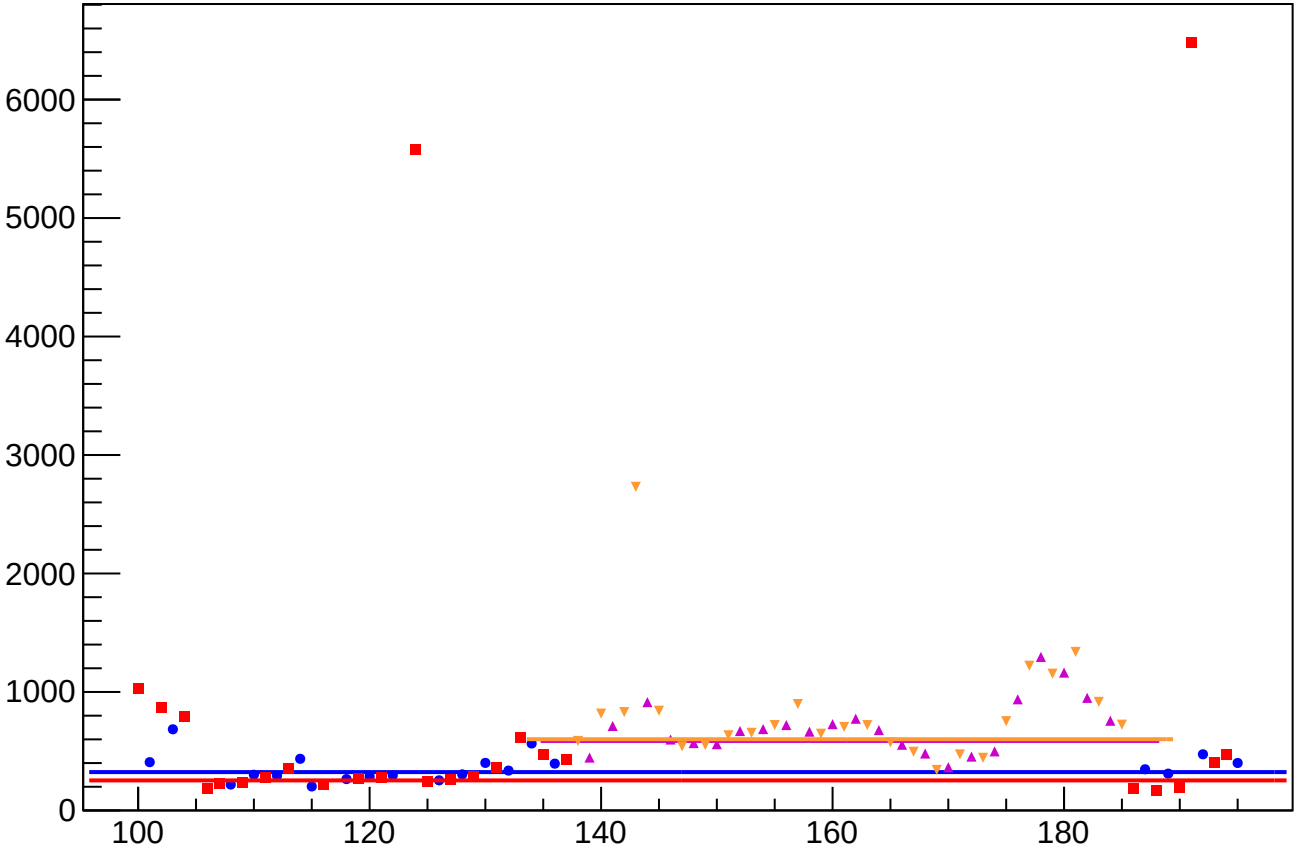
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.035+/-0.057 χ^2/NDF: 110.7/92

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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

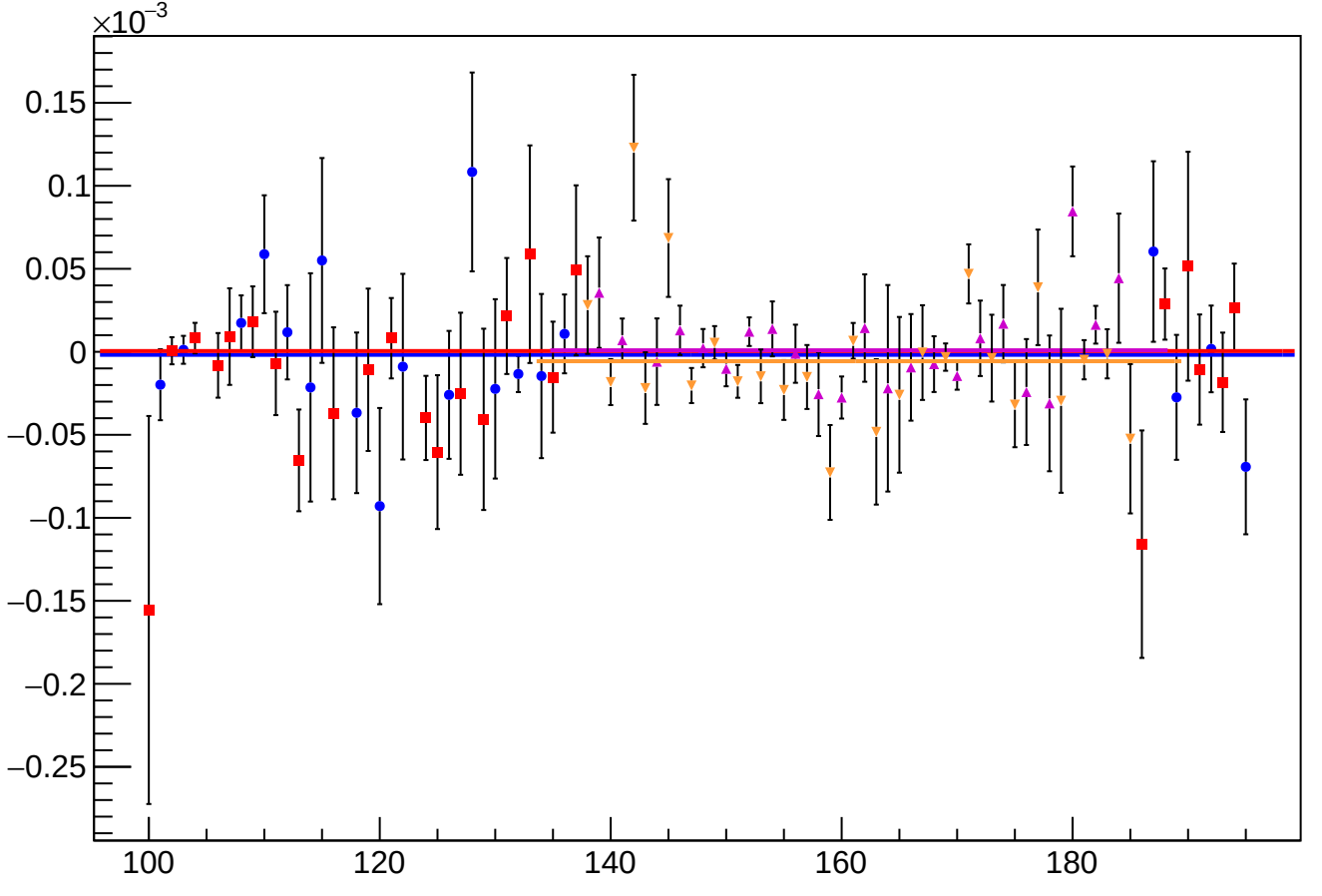
Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 422.750+/-0.062 χ^2/NDF: 10304644.0/44

All: 375.977+/-0.040 χ^2/NDF: 25505070.2/92

- sign 342.203+/-0.053 χ^2/NDF: 14229639.2/47



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: 22.9/24

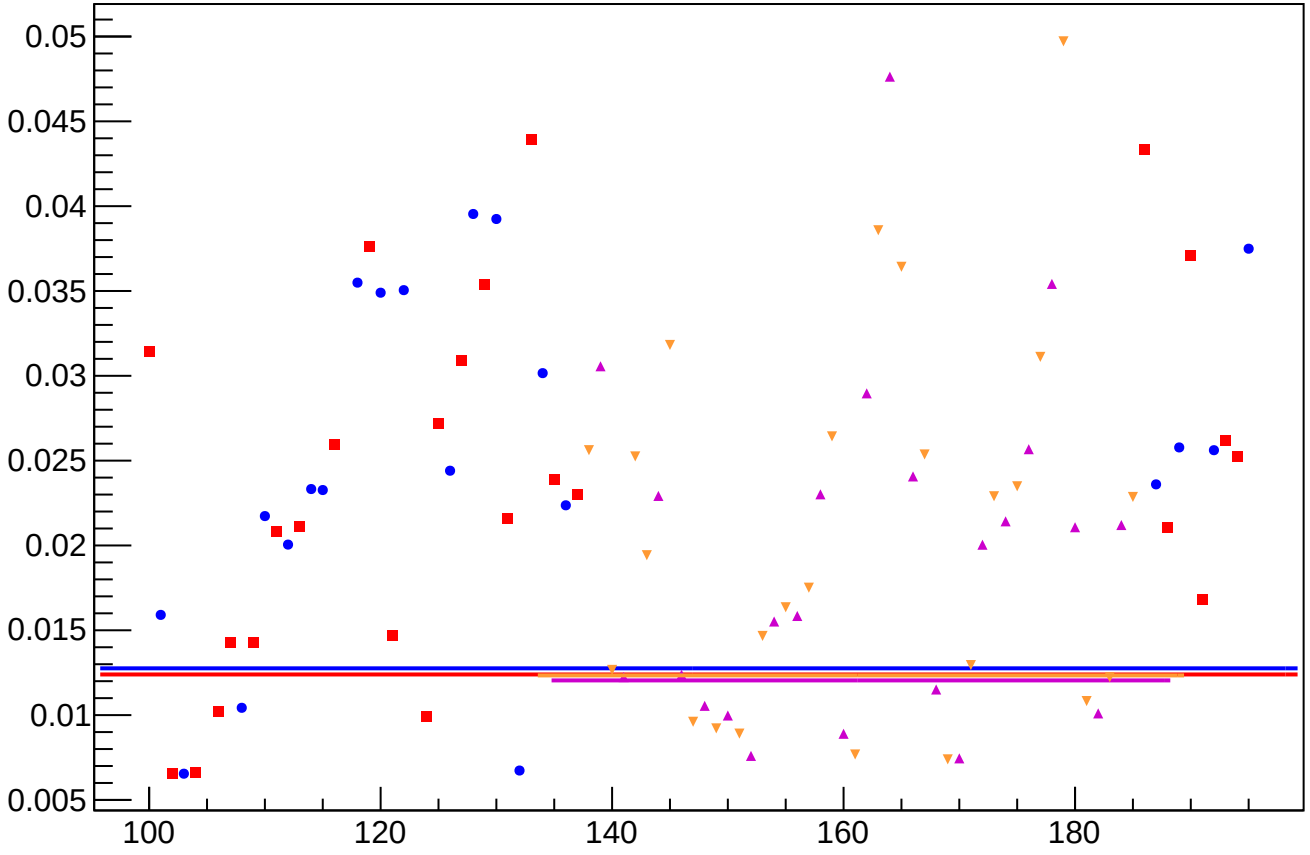
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.1/44

All: -0.000+/-0.000 χ^2/NDF: 117.1/92

- sign 0.000+/-0.000 χ^2/NDF: 53.1/47

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: 6619826.5/24

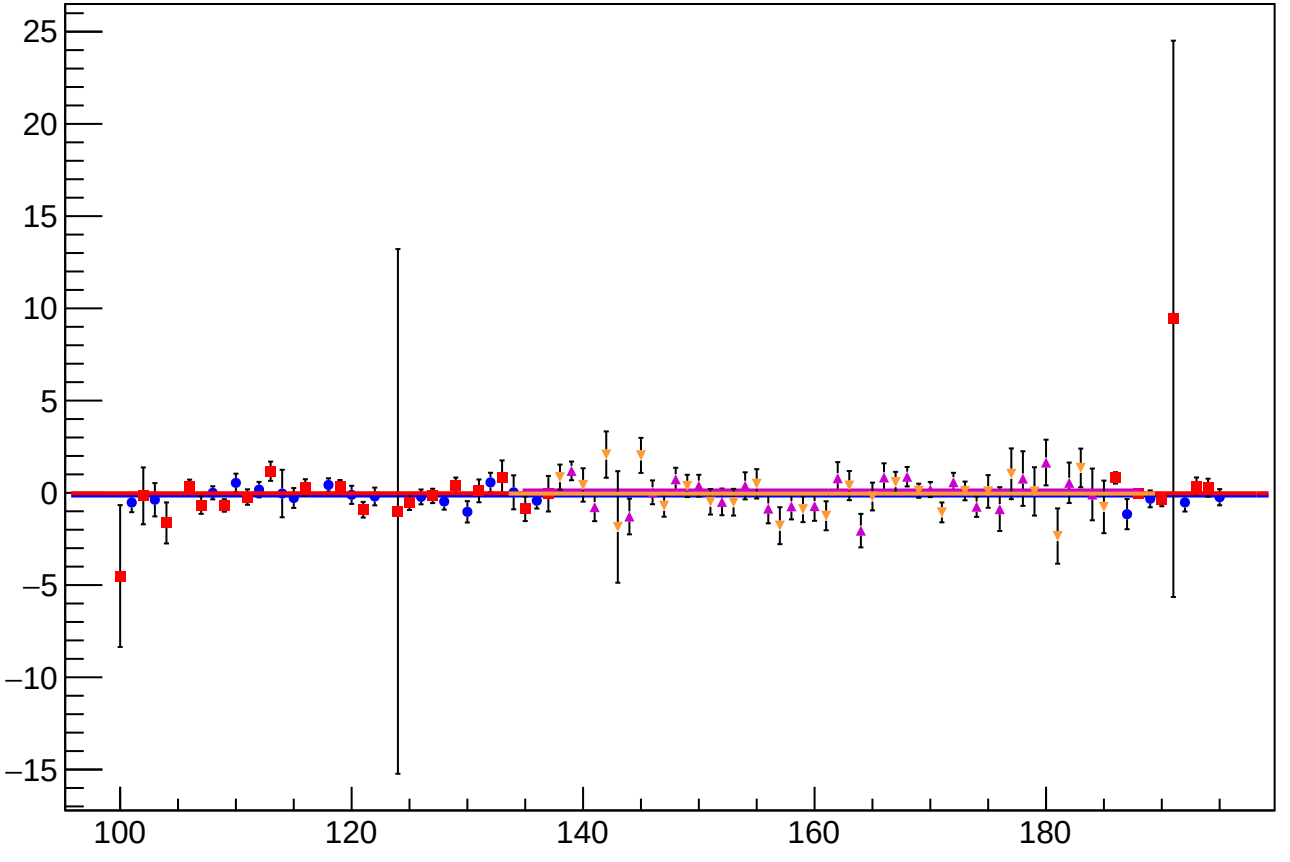
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 14217401.0/44

All: 0.012+/-0.000 χ^2/NDF: 27236387.7/92

- sign 0.012+/-0.000 χ^2/NDF: 13007075.1/47

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: -0.021+/-0.087 χ^2/NDF: 35.9/24

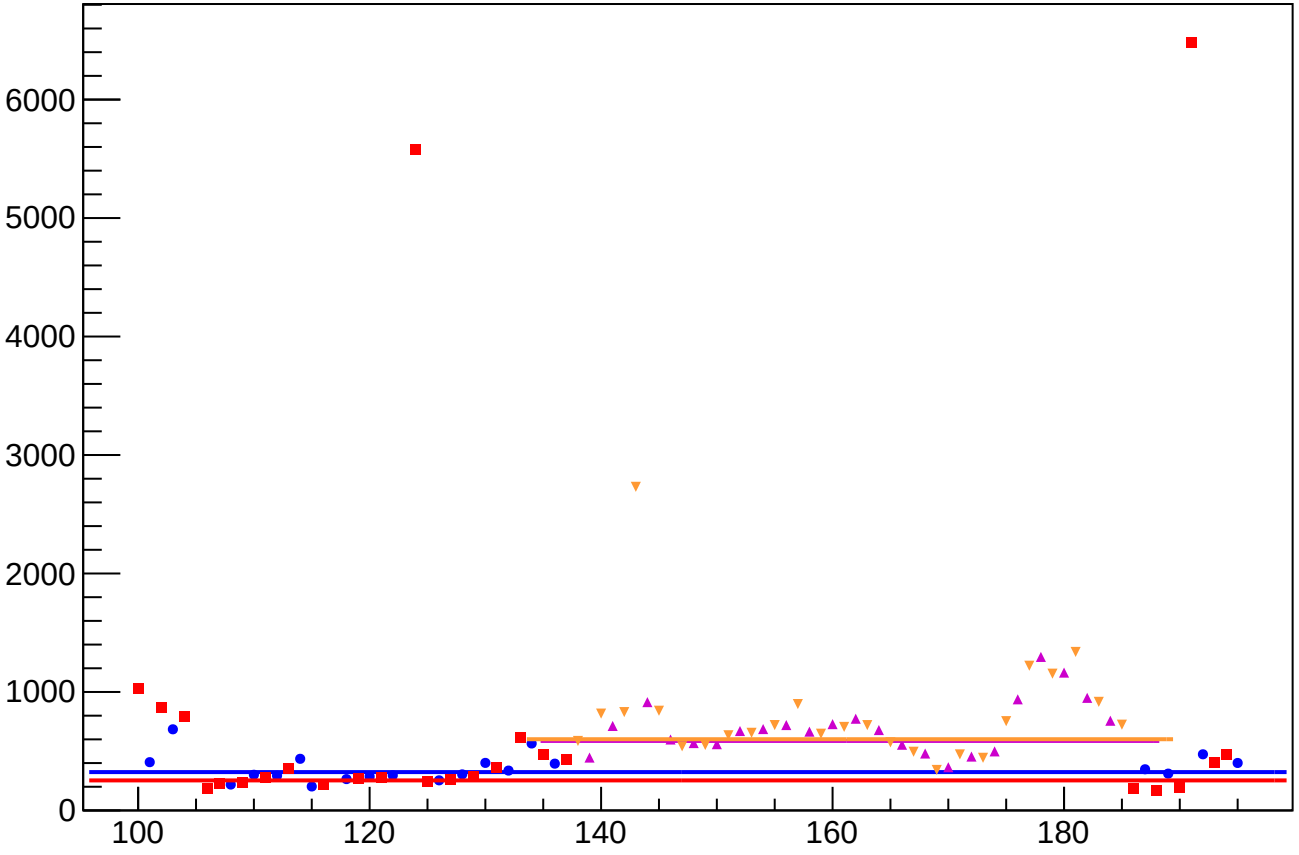
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.035+/-0.057 χ^2/NDF: 110.7/92

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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

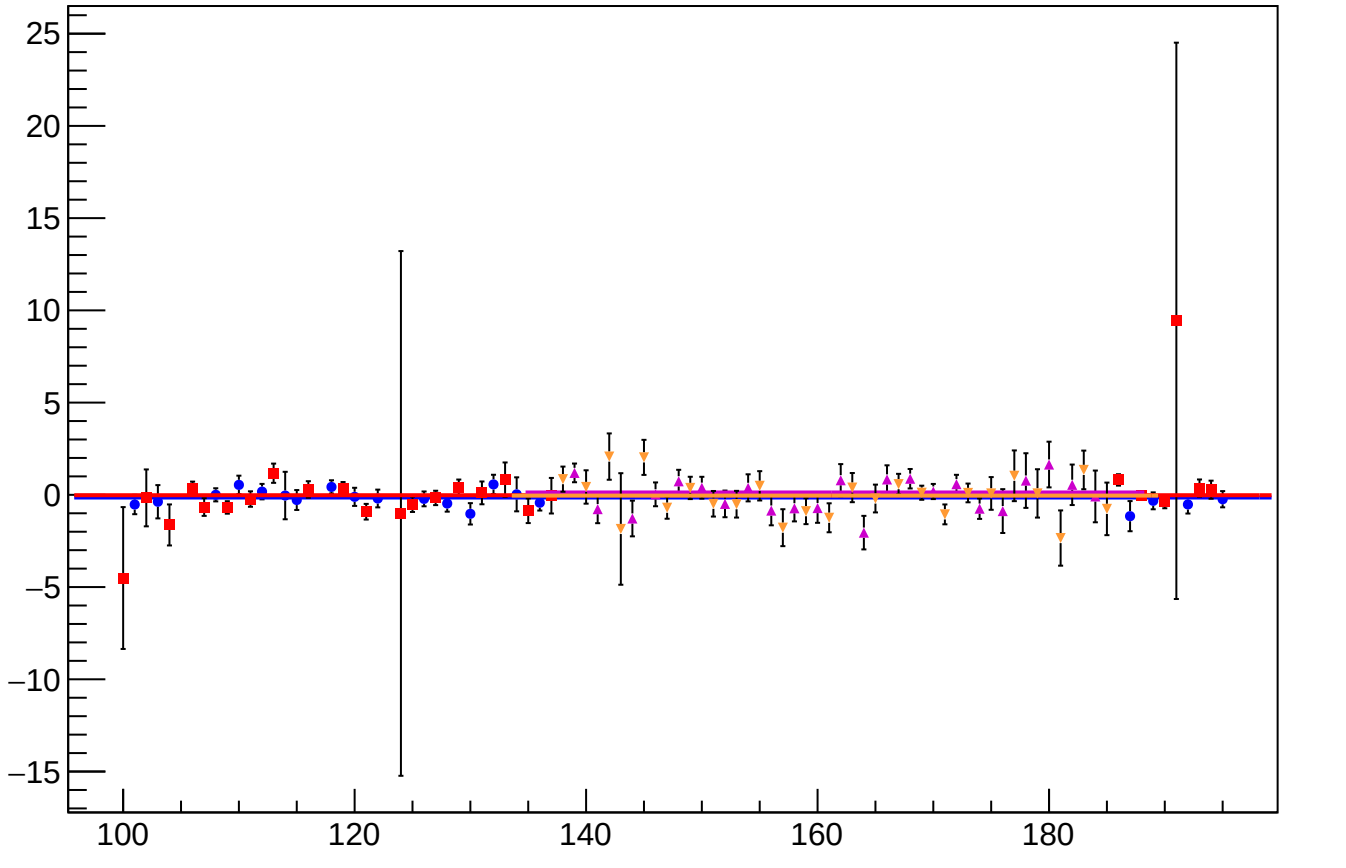
Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 422.748+/-0.062 χ^2/NDF: 10304870.2/44

All: 375.971+/-0.040 χ^2/NDF: 25506227.9/92

- sign 342.195+/-0.053 χ^2/NDF: 14230417.2/47



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

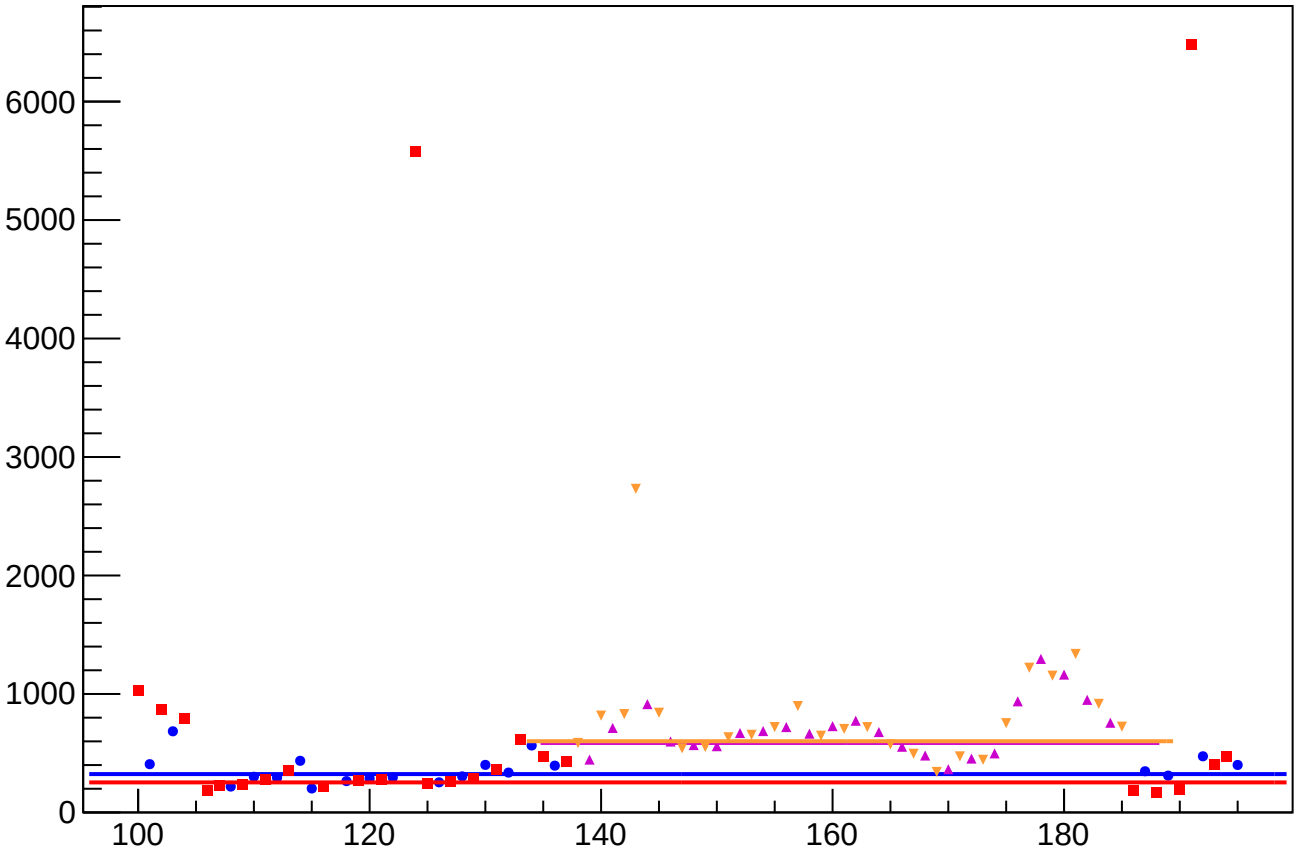
Right Out: -0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.088 χ^2/NDF: 43.8/44

All: -0.035+/-0.057 χ^2/NDF: 110.7/92

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47



Right In: 323.804+/-0.078 χ^2/NDF: 1294073.6/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

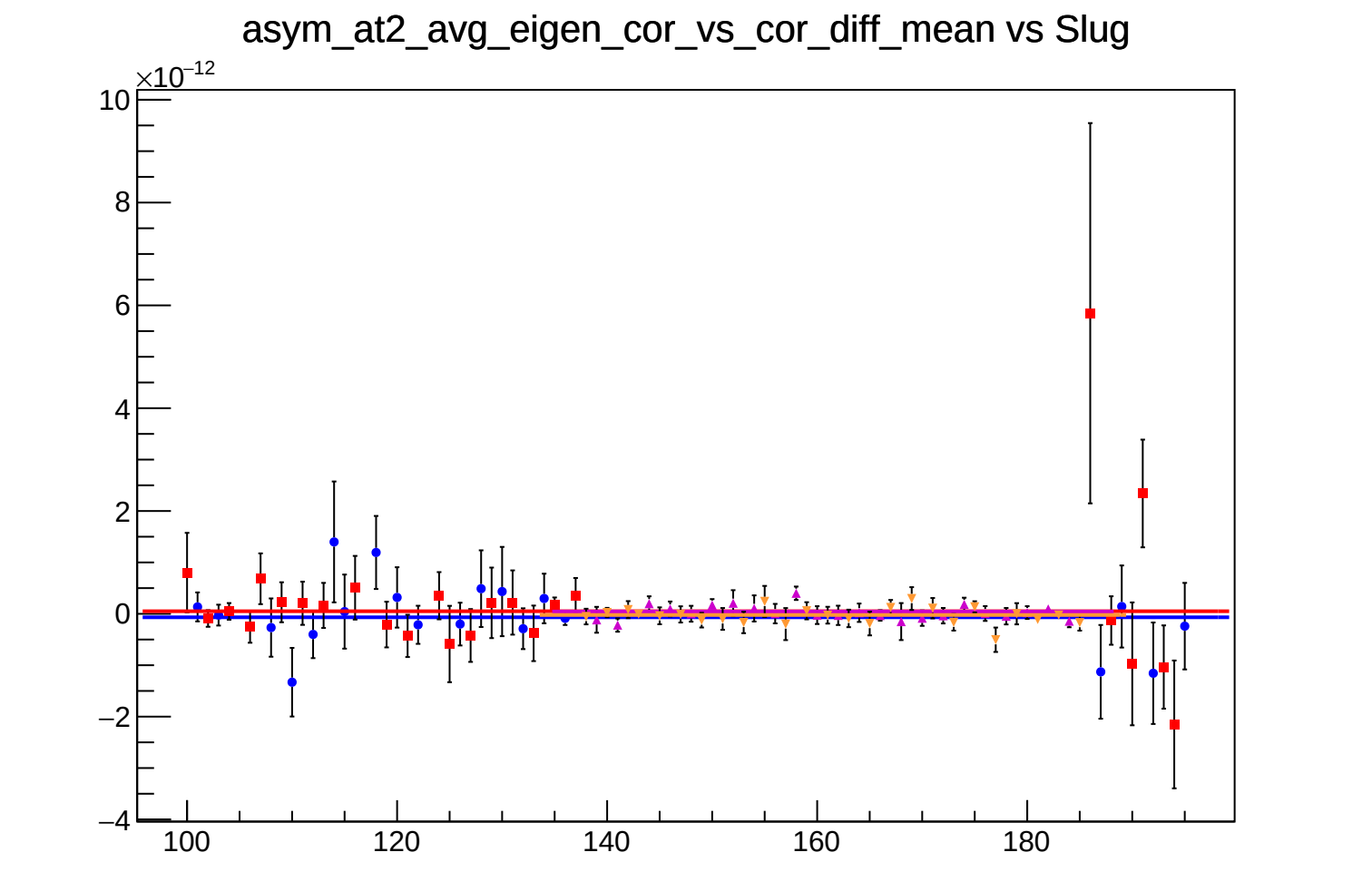
Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 422.748+/-0.062 χ^2/NDF: 10304870.2/44

All: 375.971+/-0.040 χ^2/NDF: 25506227.9/92

- sign 342.195+/-0.053 χ^2/NDF: 14230417.2/47



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: 24.5/24

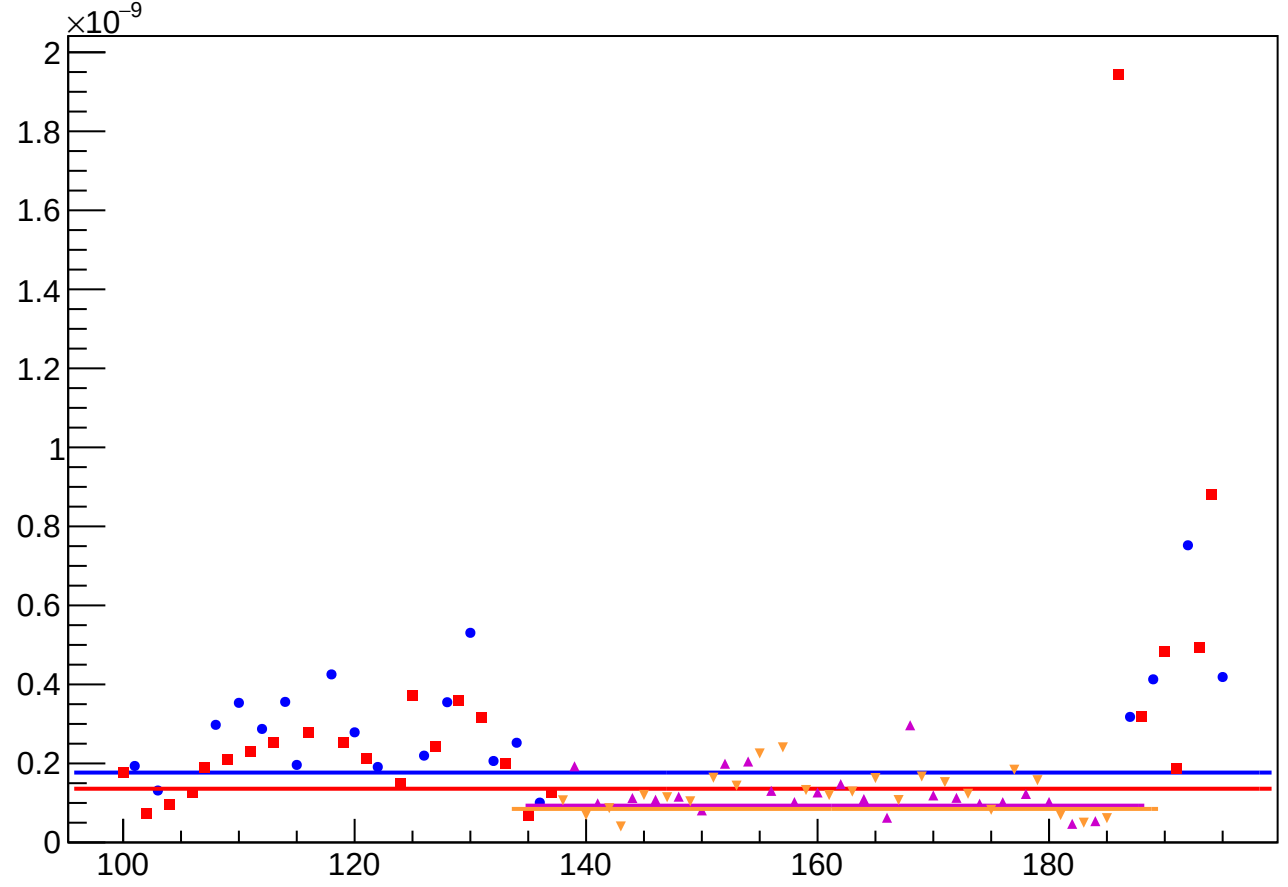
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 81.8/92

- sign 0.000+/-0.000 χ^2/NDF: 46.5/47

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: 4317839.9/24

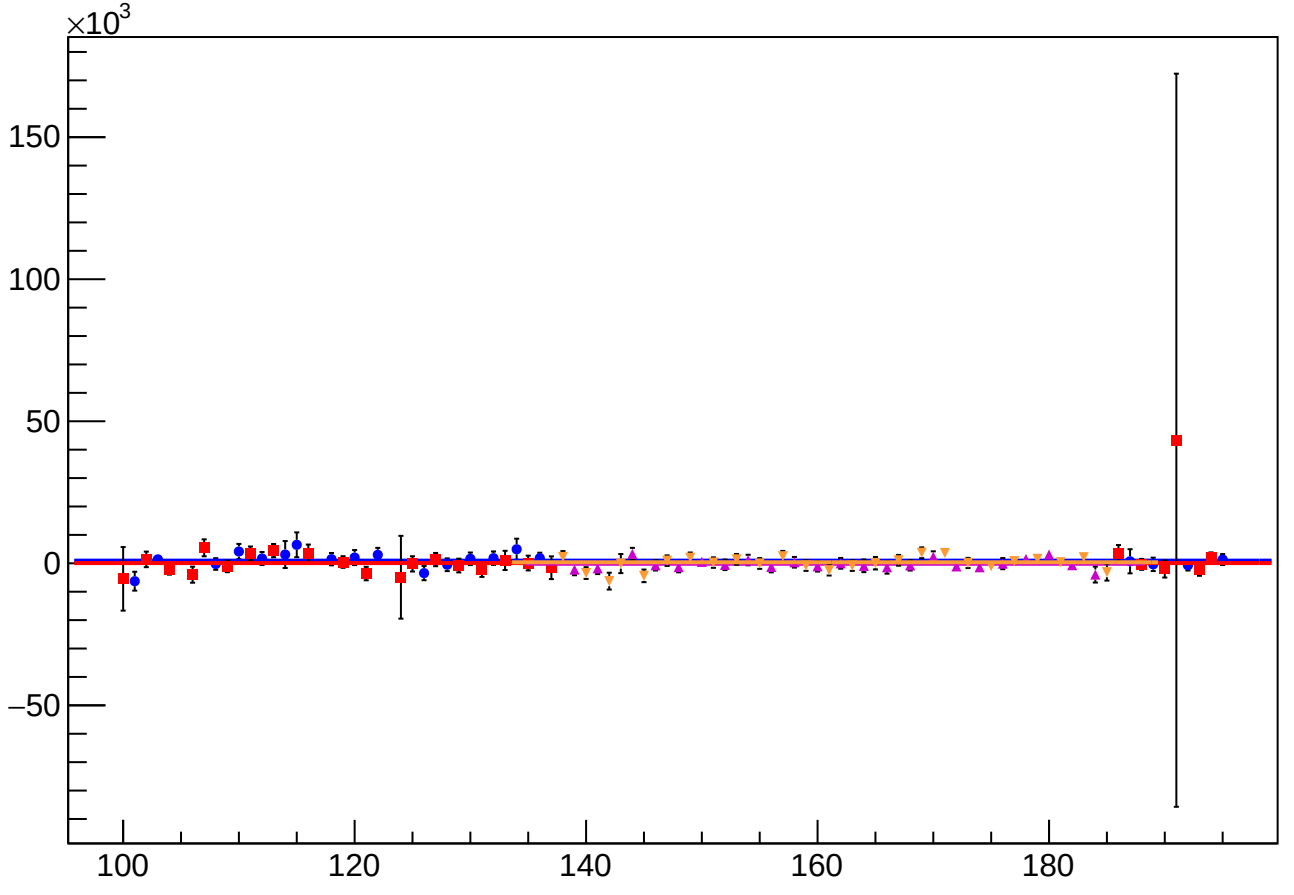
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10700706.6/44

All: 0.000+/-0.000 χ^2/NDF: 19611677.6/92

- sign 0.000+/-0.000 χ^2/NDF: 8851462.0/47

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: 81.032+/-514.712 χ^2/NDF: 22.8/24

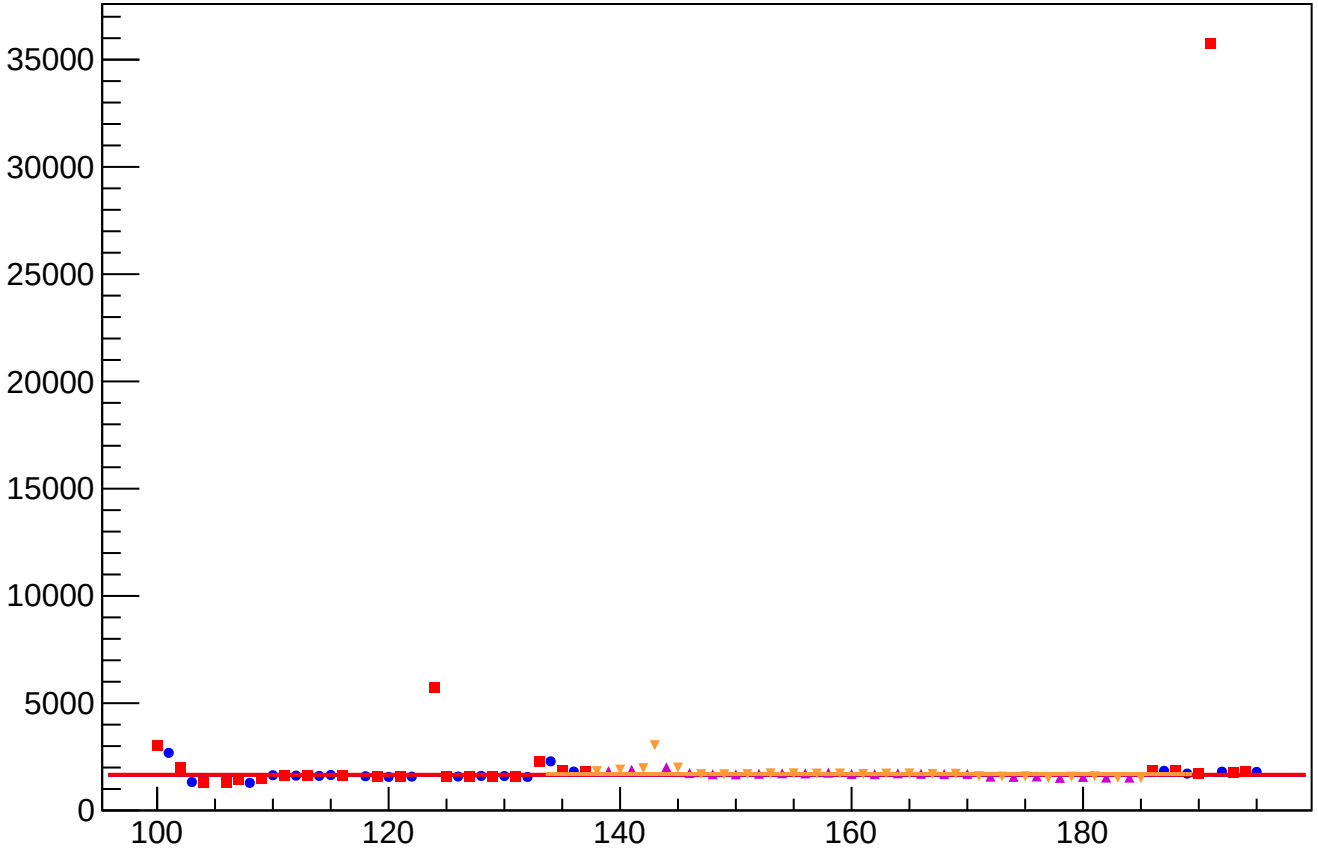
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 559.277+/-314.087 χ^2/NDF: 46.1/44

All: 244.039+/-221.704 χ^2/NDF: 87.1/92

- sign -69.001+/-312.989 χ^2/NDF: 39.0/47

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

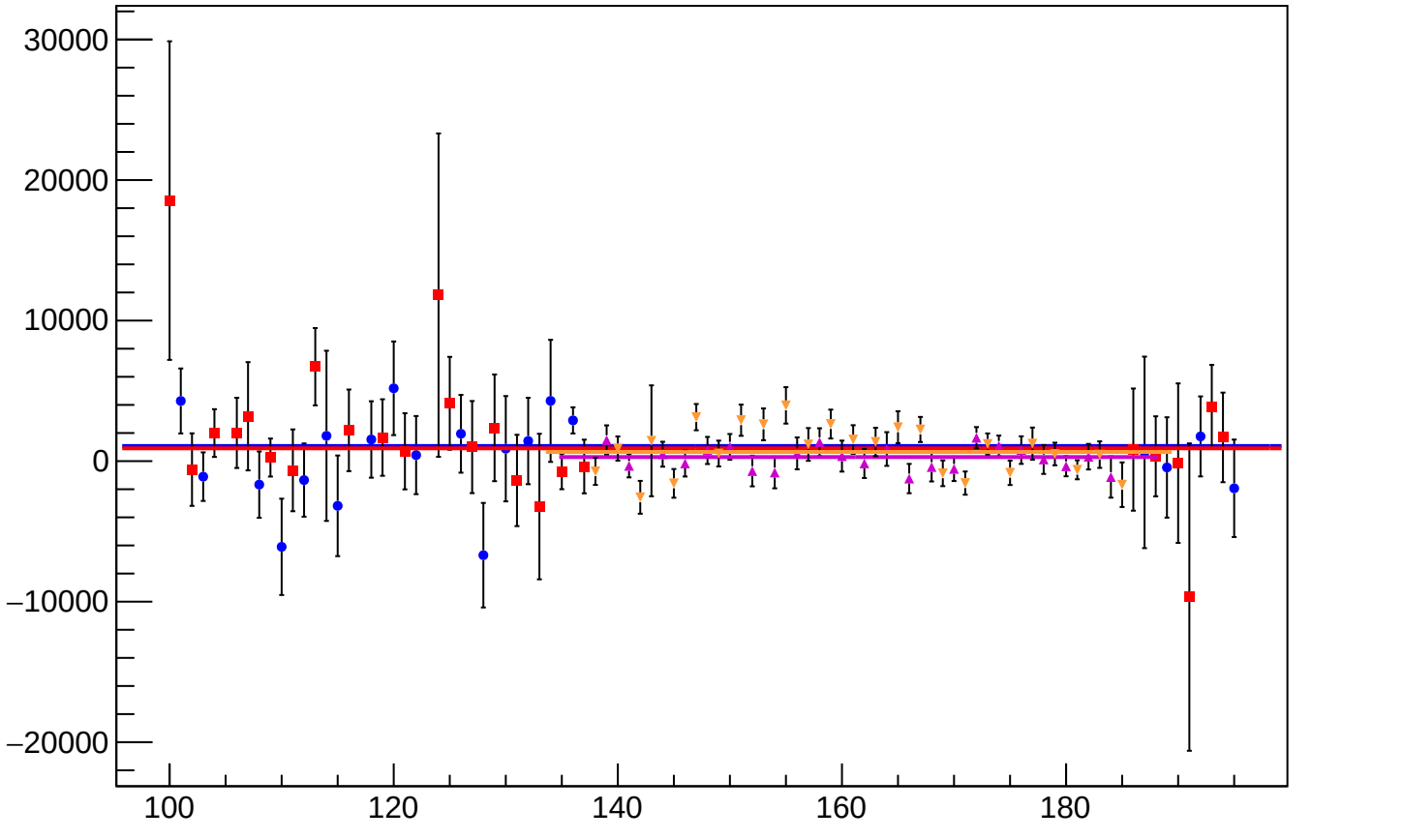
Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.1/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.4/44

All: 1679.245+/-0.157 χ^2/NDF: 1762602.5/92

- sign 1676.222+/-0.221 χ^2/NDF: 813698.7/47



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: 910.644+/-523.768 χ^2/NDF: 16.3/24

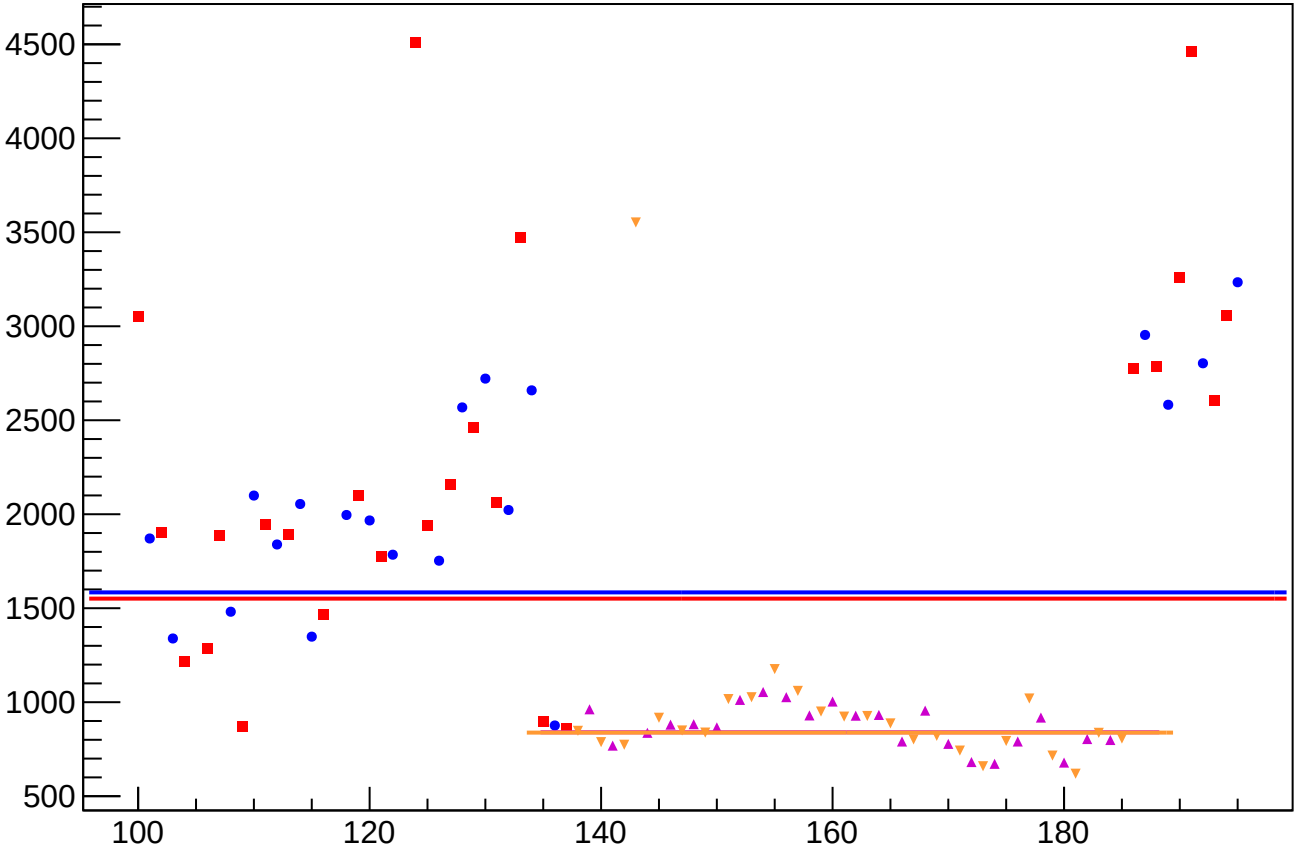
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 696.937+/-184.405 χ^2/NDF: 89.1/44

All: 532.912+/-130.819 χ^2/NDF: 124.8/92

- sign 366.733+/-185.612 χ^2/NDF: 34.1/47

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: 1551.064+/-0.370 χ^2/NDF: 3884528.3/24

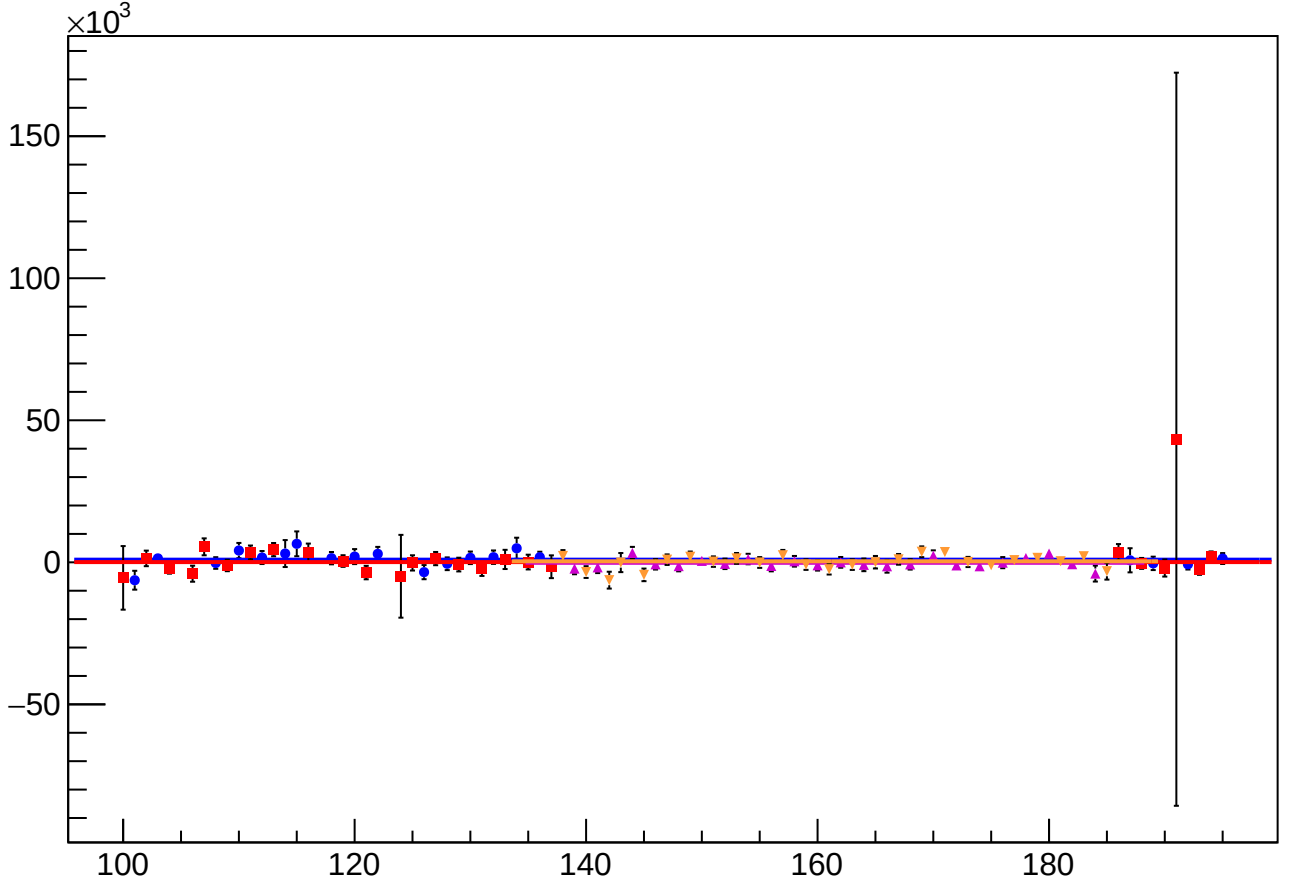
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 921.669+/-0.130 χ^2/NDF: 8003319.4/44

All: 925.448+/-0.093 χ^2/NDF: 15782298.0/92

- sign 929.277+/-0.131 χ^2/NDF: 7777287.4/47

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: 81.243+/-514.712 χ^2/NDF: 22.8/24

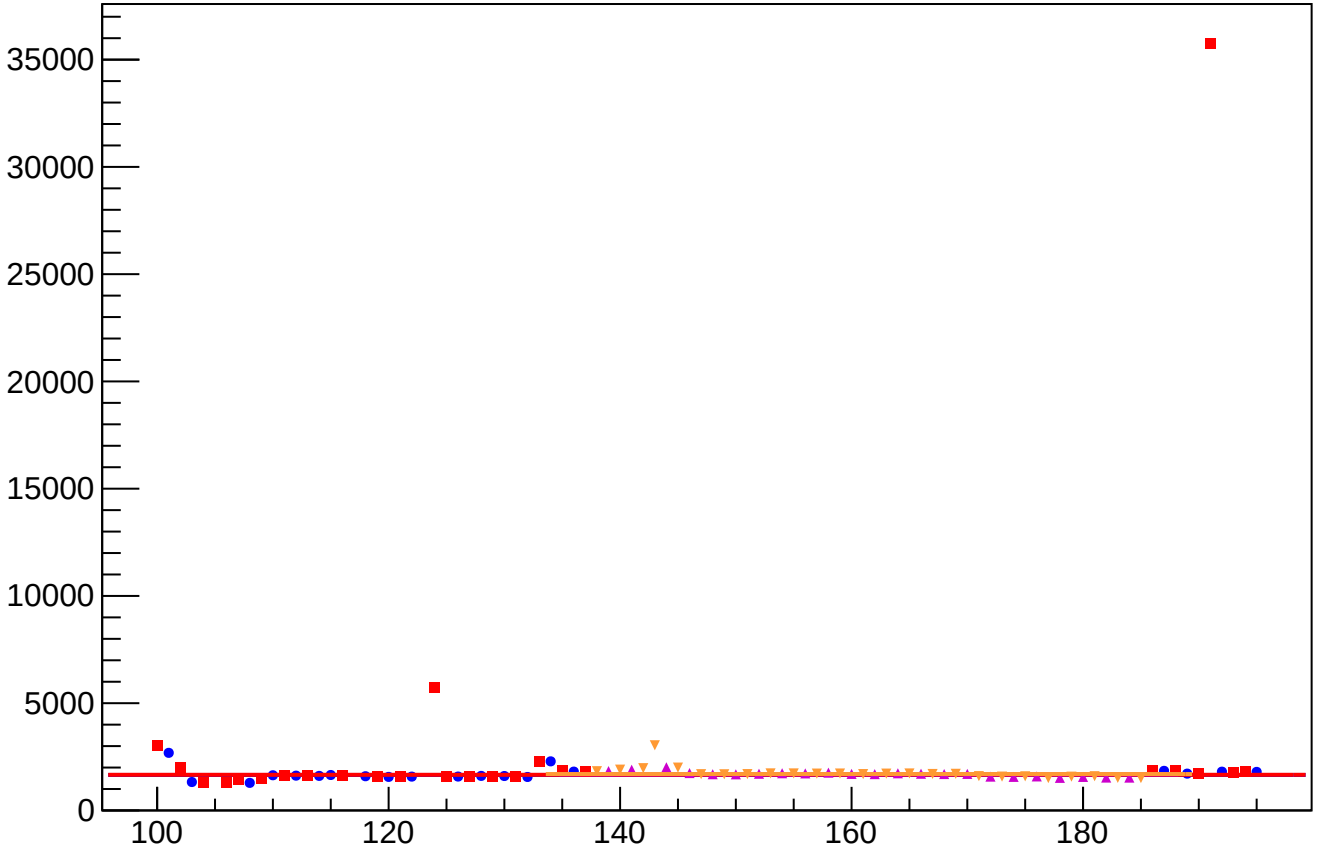
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 559.210+/-314.087 χ^2/NDF: 46.1/44

All: 244.074+/-221.704 χ^2/NDF: 87.1/92

- sign -68.864+/-312.989 χ^2/NDF: 39.0/47

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: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

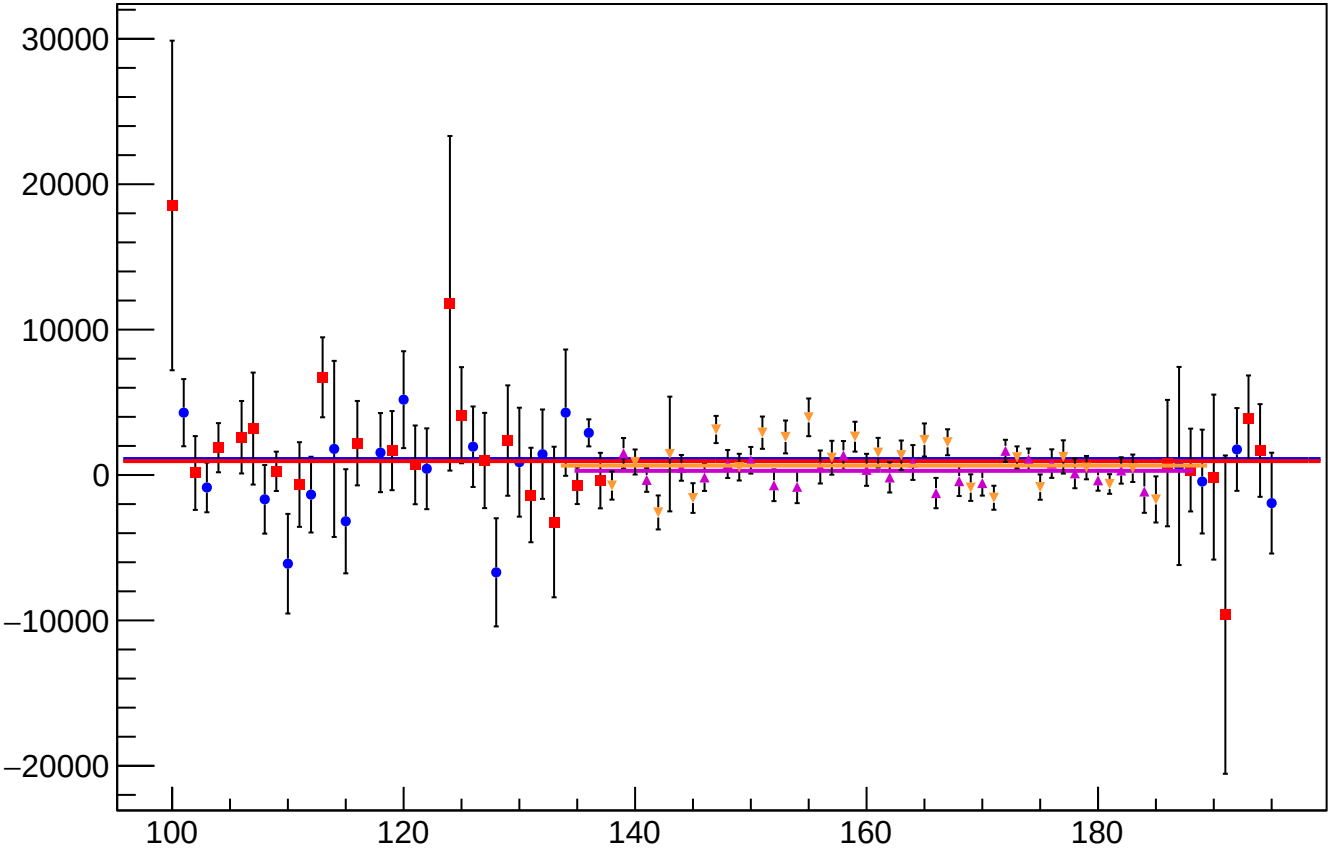
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.7/44

All: 1679.245+/-0.157 χ^2/NDF: 1762602.9/92

- sign 1676.222+/-0.221 χ^2/NDF: 813698.8/47

asym_at2_dd_cor_correction_mean vs Slug



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: 956.267+/-523.129 χ^2/NDF: 16.2/24

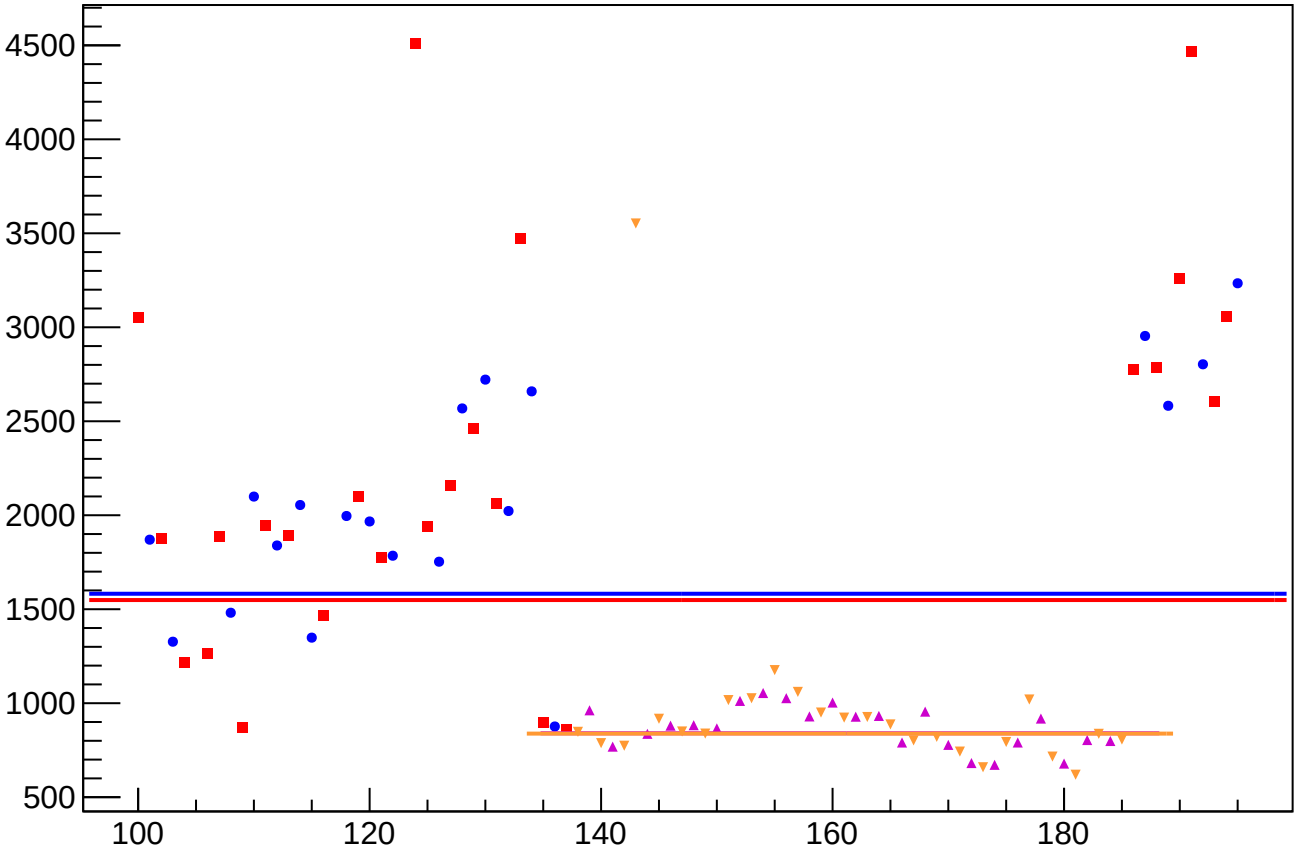
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 699.401+/-184.380 χ^2/NDF: 88.8/44

All: 537.079+/-130.800 χ^2/NDF: 124.6/92

- sign 372.629+/-185.584 χ^2/NDF: 34.2/47

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: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

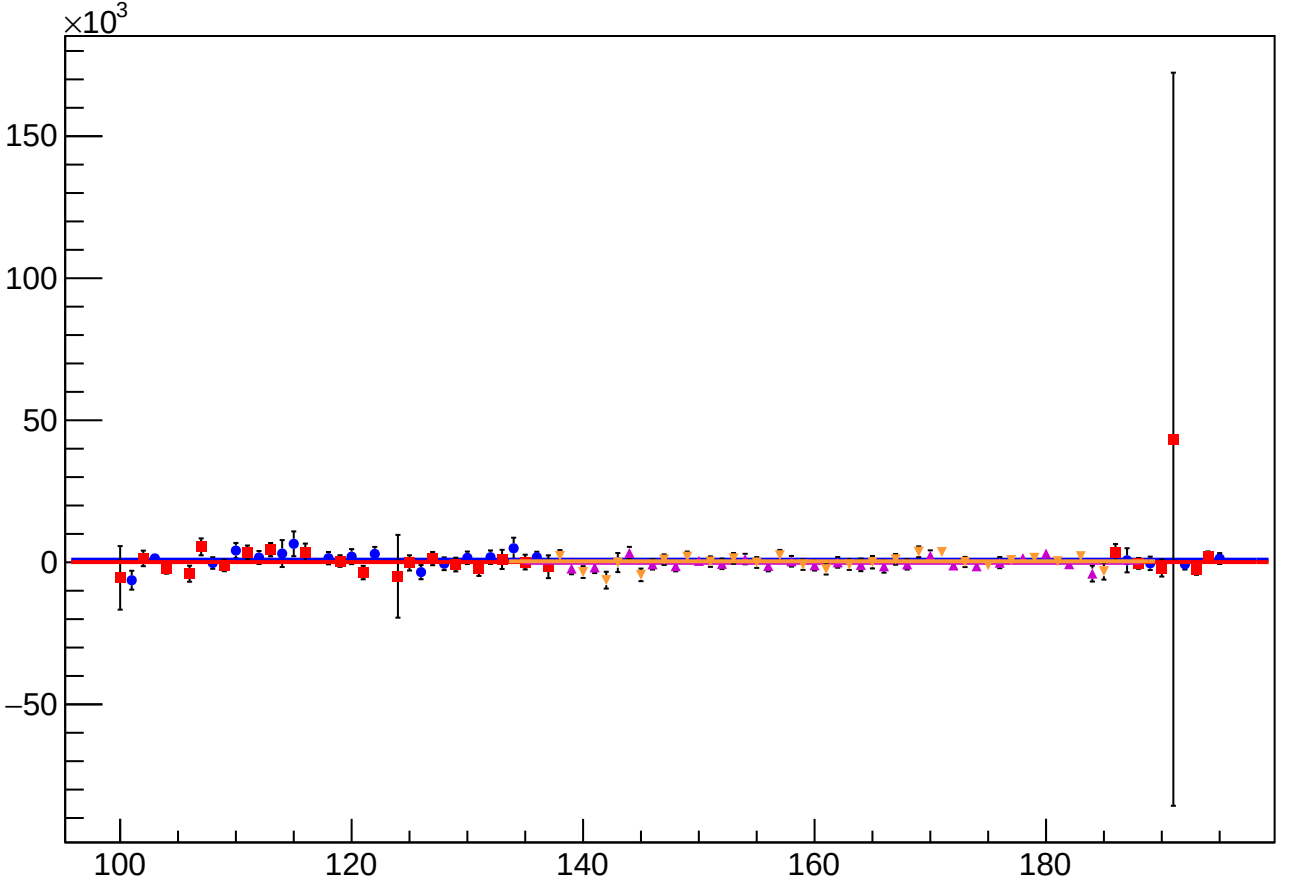
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 921.662+/-0.130 χ^2/NDF: 7998985.0/44

All: 925.402+/-0.092 χ^2/NDF: 15765632.1/92

- sign 929.191+/-0.131 χ^2/NDF: 7764990.4/47

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: 81.243+/-514.712 χ^2/NDF: 22.8/24

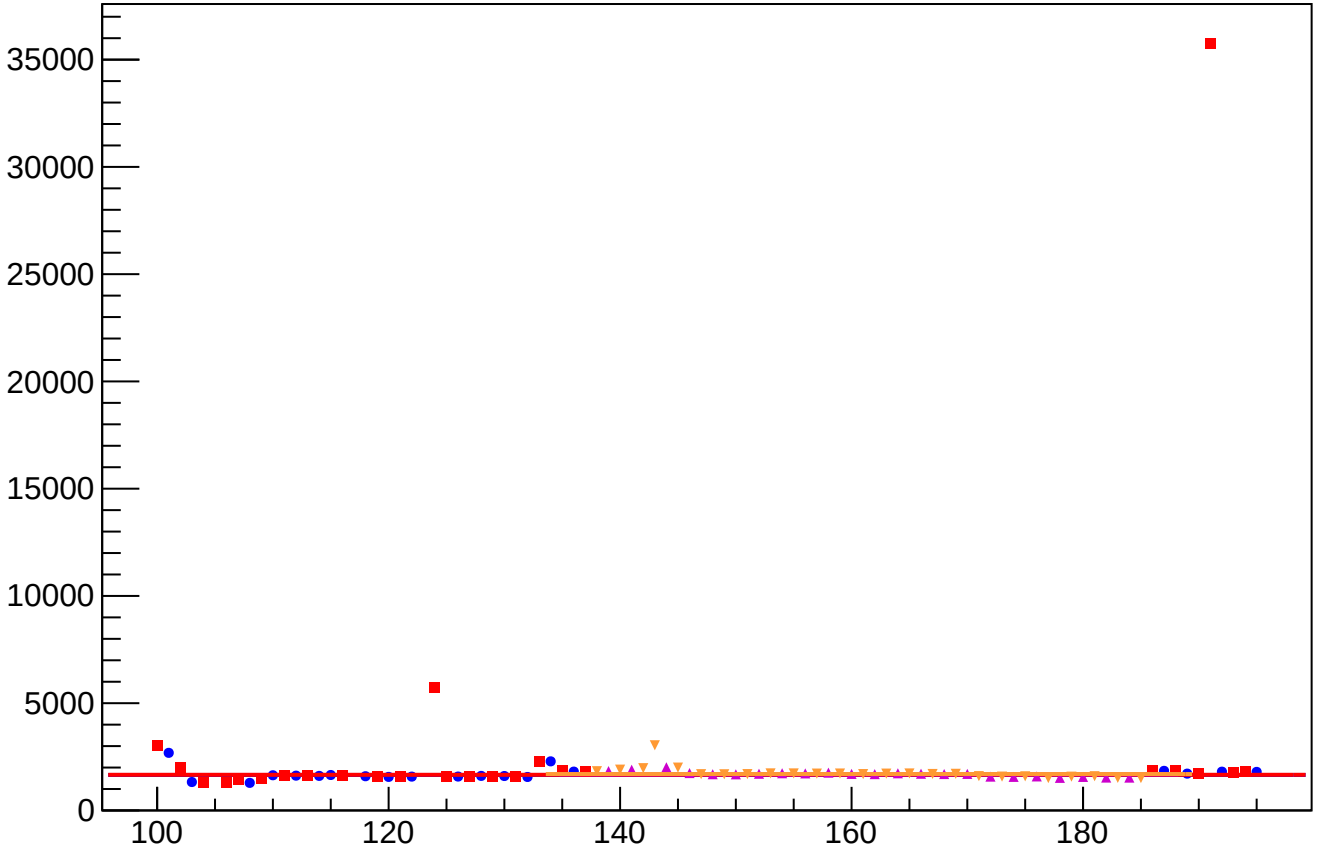
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 559.210+/-314.087 χ^2/NDF: 46.1/44

All: 244.074+/-221.704 χ^2/NDF: 87.1/92

- sign -68.864+/-312.989 χ^2/NDF: 39.0/47

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

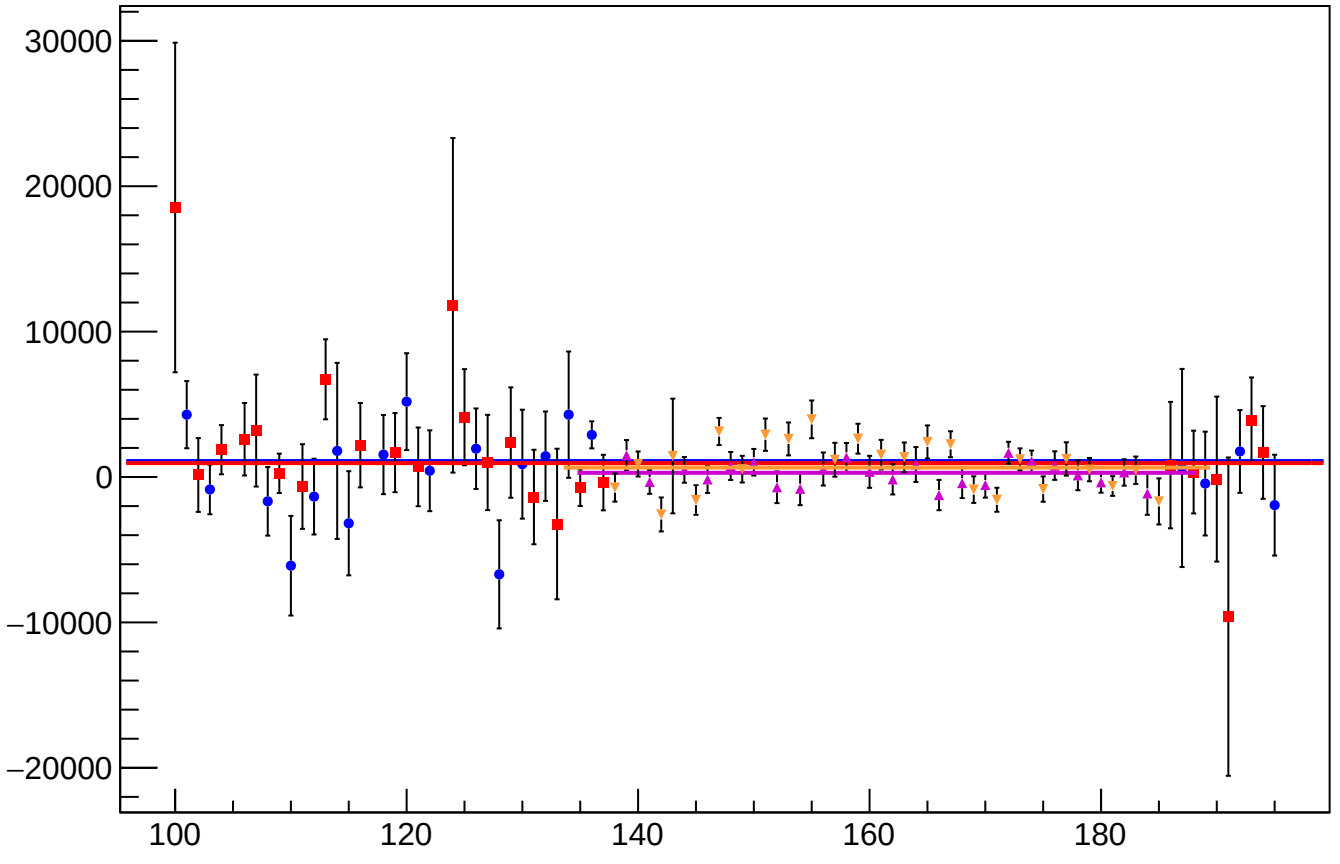
Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1682.289+/-0.222 χ^2/NDF: 948529.7/44

All: 1679.245+/-0.157 χ^2/NDF: 1762602.9/92

- sign 1676.222+/-0.221 χ^2/NDF: 813698.8/47



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: 956.267+/-523.129 χ^2/NDF: 16.2/24

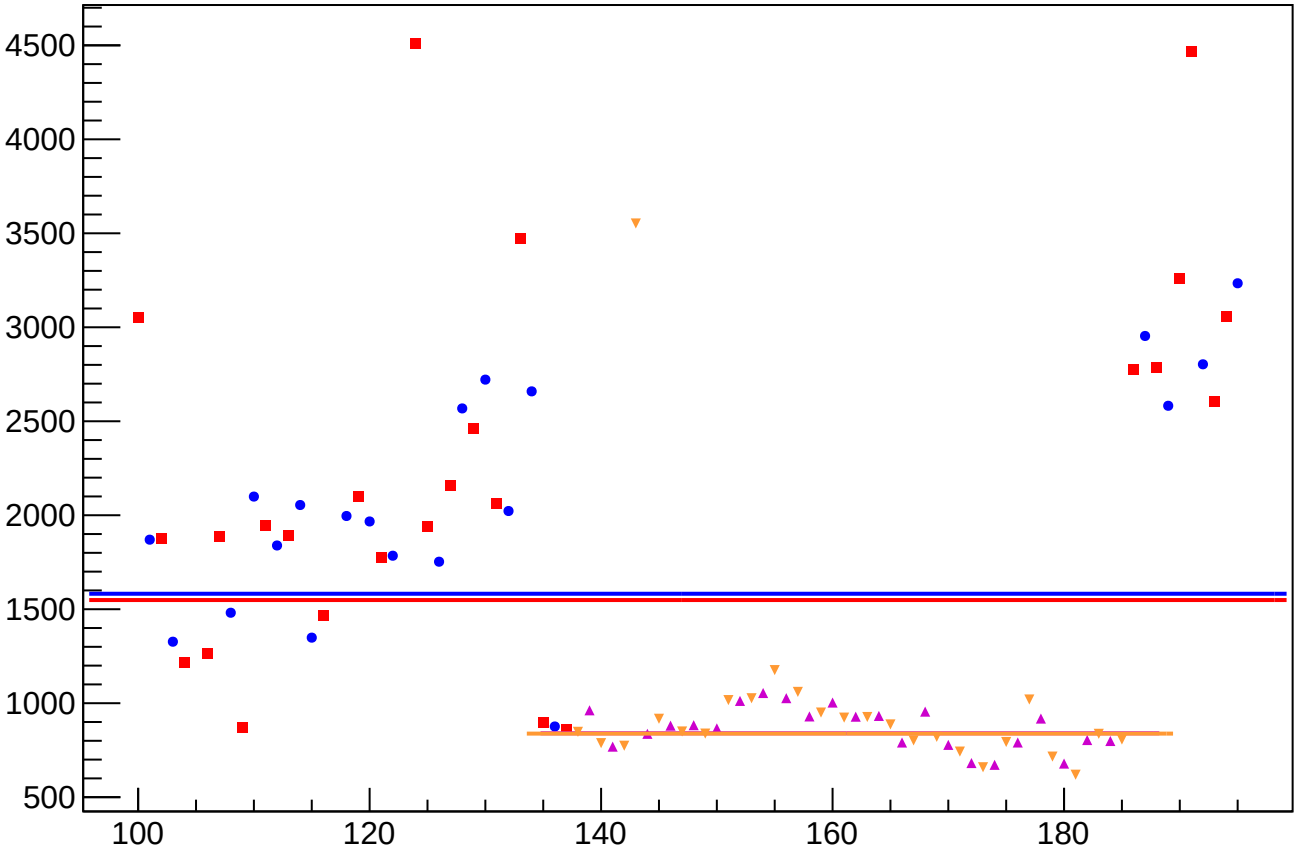
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 699.401+/-184.380 χ^2/NDF: 88.8/44

All: 537.079+/-130.800 χ^2/NDF: 124.6/92

- sign 372.629+/-185.584 χ^2/NDF: 34.2/47

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: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

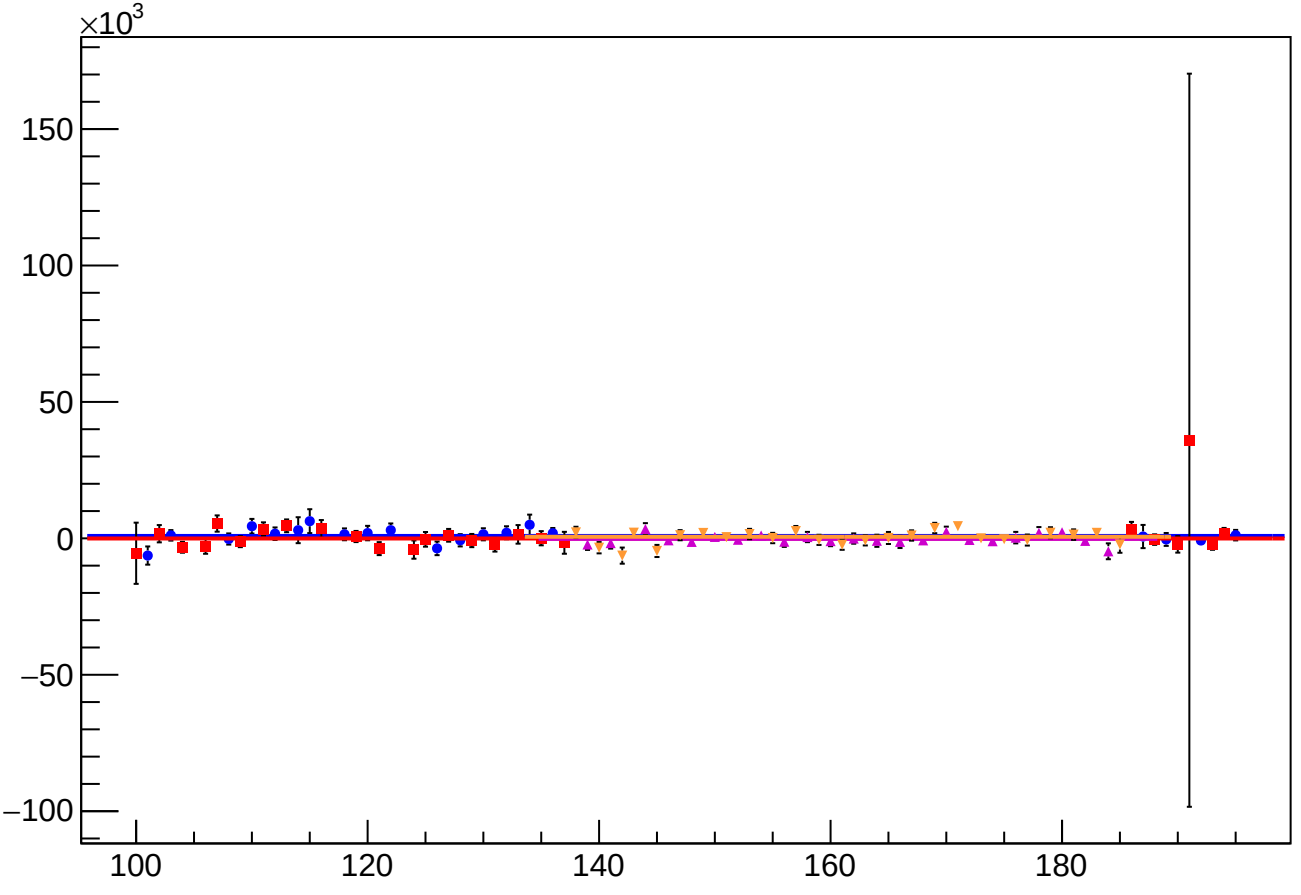
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 921.662+/-0.130 χ^2/NDF: 7998985.0/44

All: 925.402+/-0.092 χ^2/NDF: 15765632.1/92

- sign 929.191+/-0.131 χ^2/NDF: 7764990.4/47

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: -50.408+/-514.802 χ^2/NDF: 24.7/24

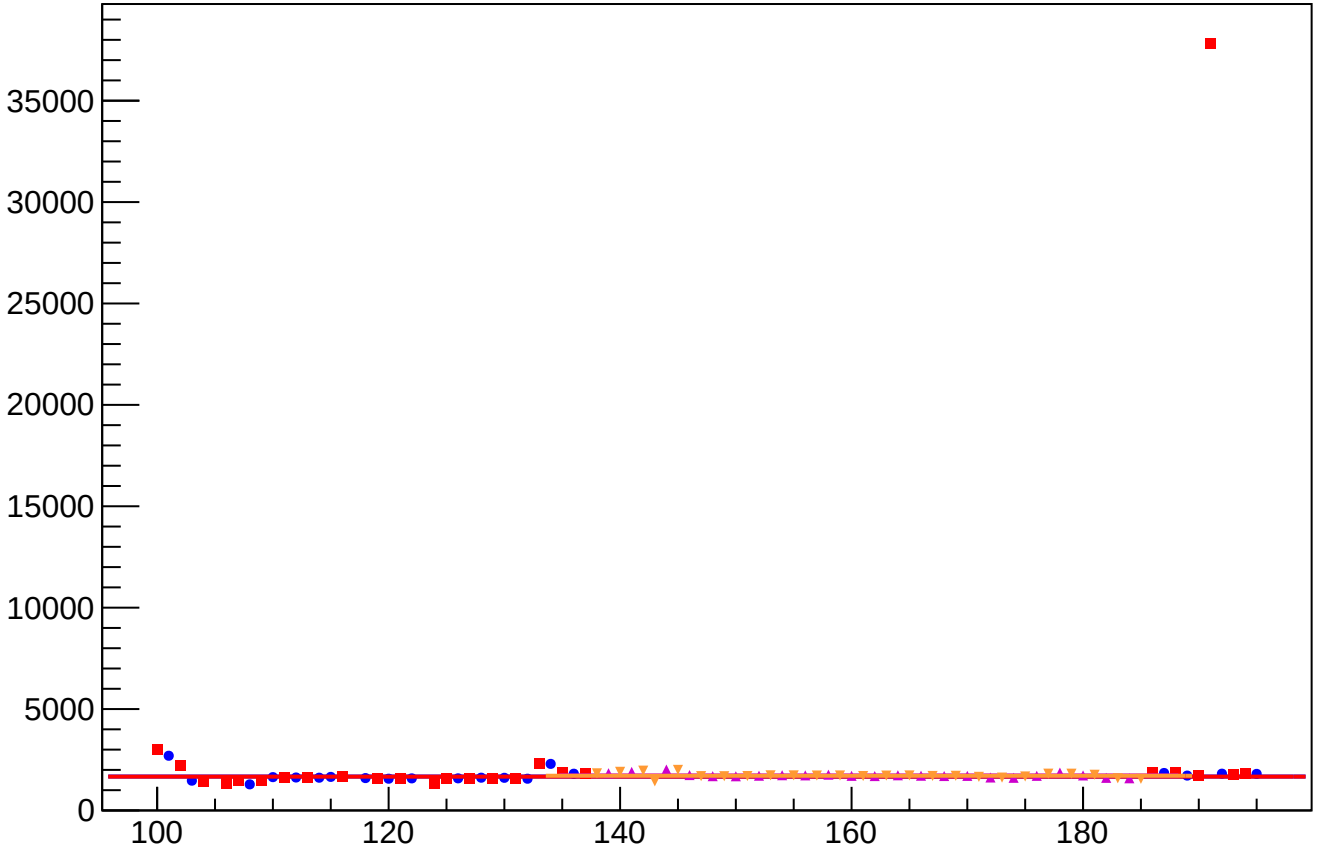
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 683.011+/-316.113 χ^2/NDF: 48.4/44

All: 276.661+/-224.142 χ^2/NDF: 91.0/92

- sign -134.205+/-317.864 χ^2/NDF: 39.2/47

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: 1667.520+/-0.364 χ^2/NDF: 505008.2/24

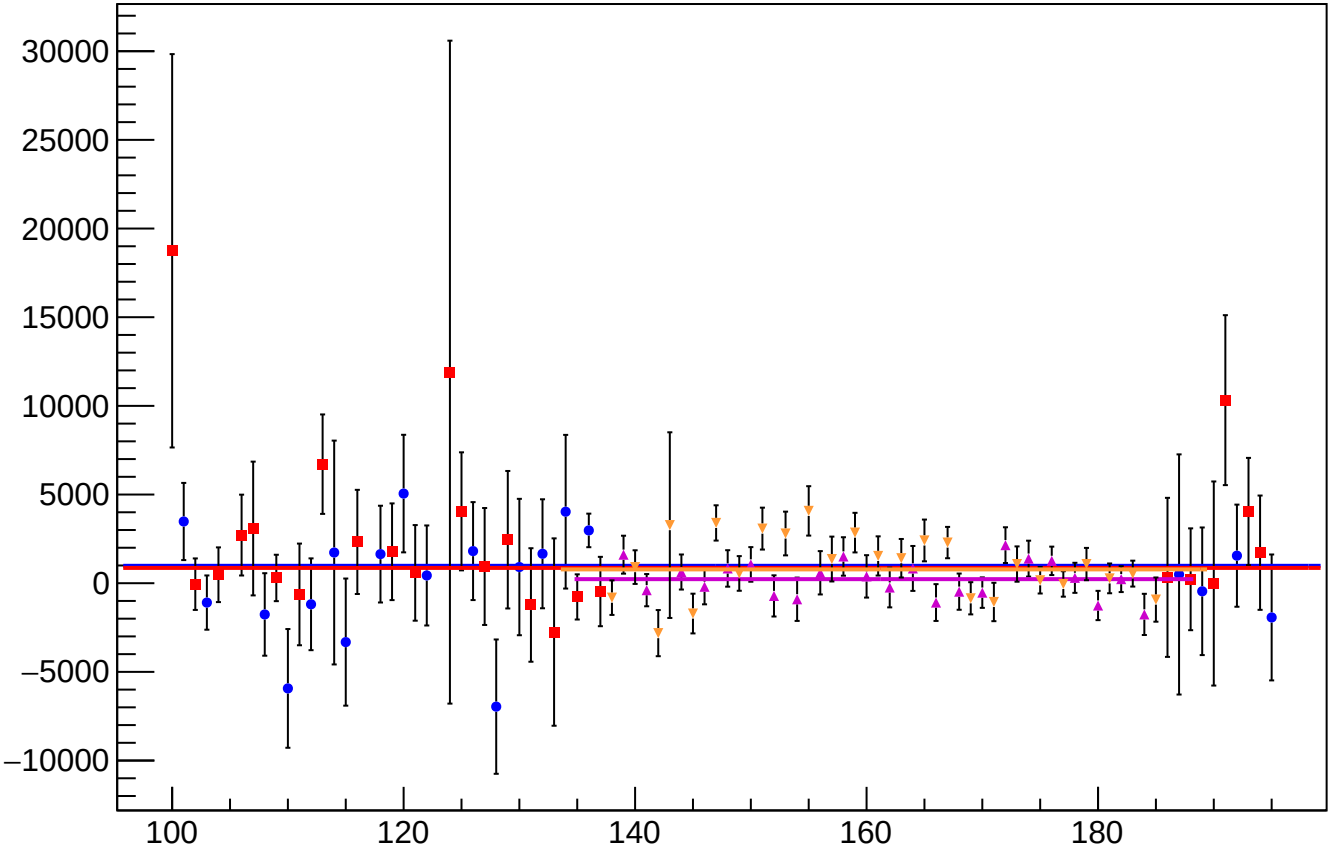
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1698.612+/-0.224 χ^2/NDF: 567505.5/44

All: 1701.733+/-0.158 χ^2/NDF: 1190163.3/92

- sign 1704.888+/-0.225 χ^2/NDF: 622265.9/47

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: 862.641+/-493.890 χ^2/NDF: 18.9/24

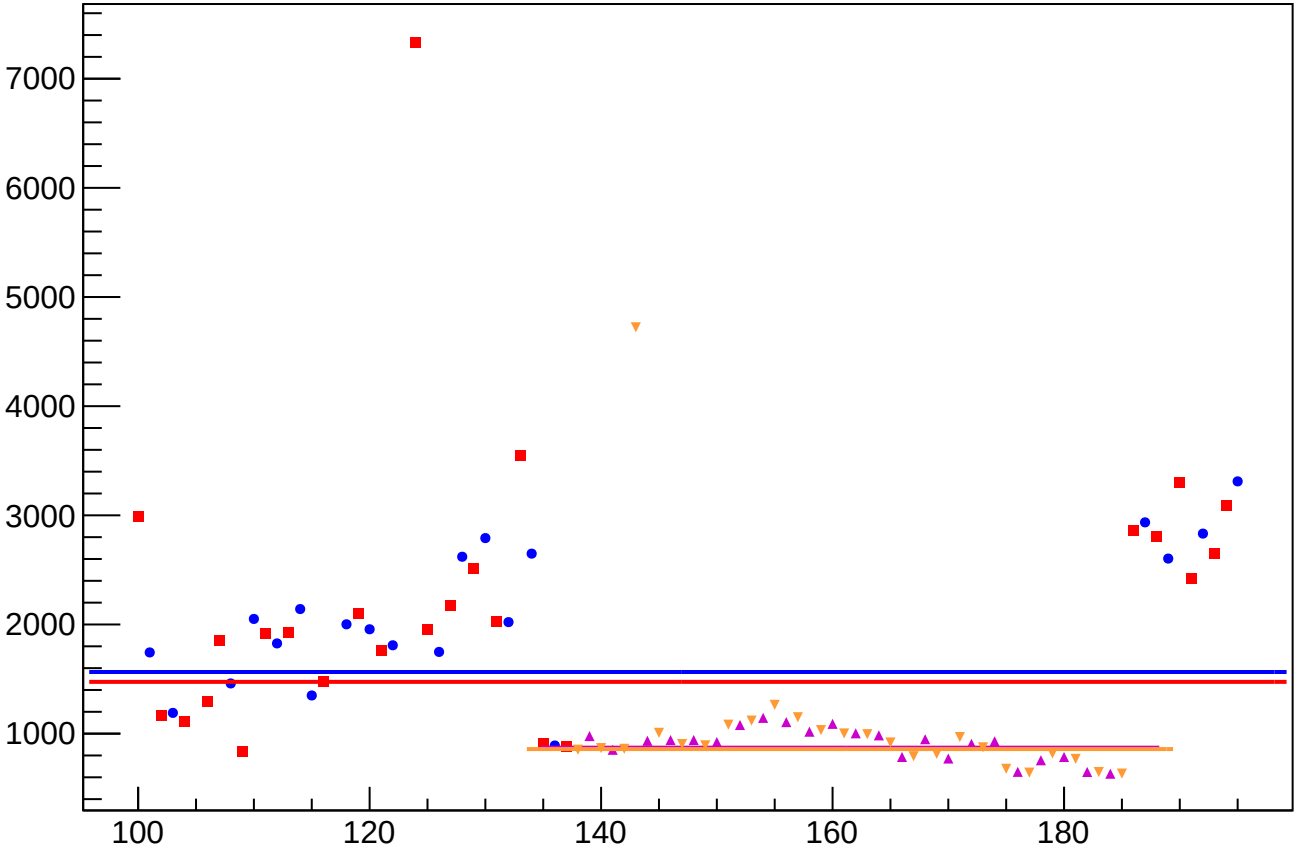
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 803.242+/-189.137 χ^2/NDF: 77.6/44

All: 565.239+/-134.281 χ^2/NDF: 123.6/92

- sign 323.342+/-190.677 χ^2/NDF: 42.9/47

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: 1474.373+/-0.349 χ^2/NDF: 4096593.2/24

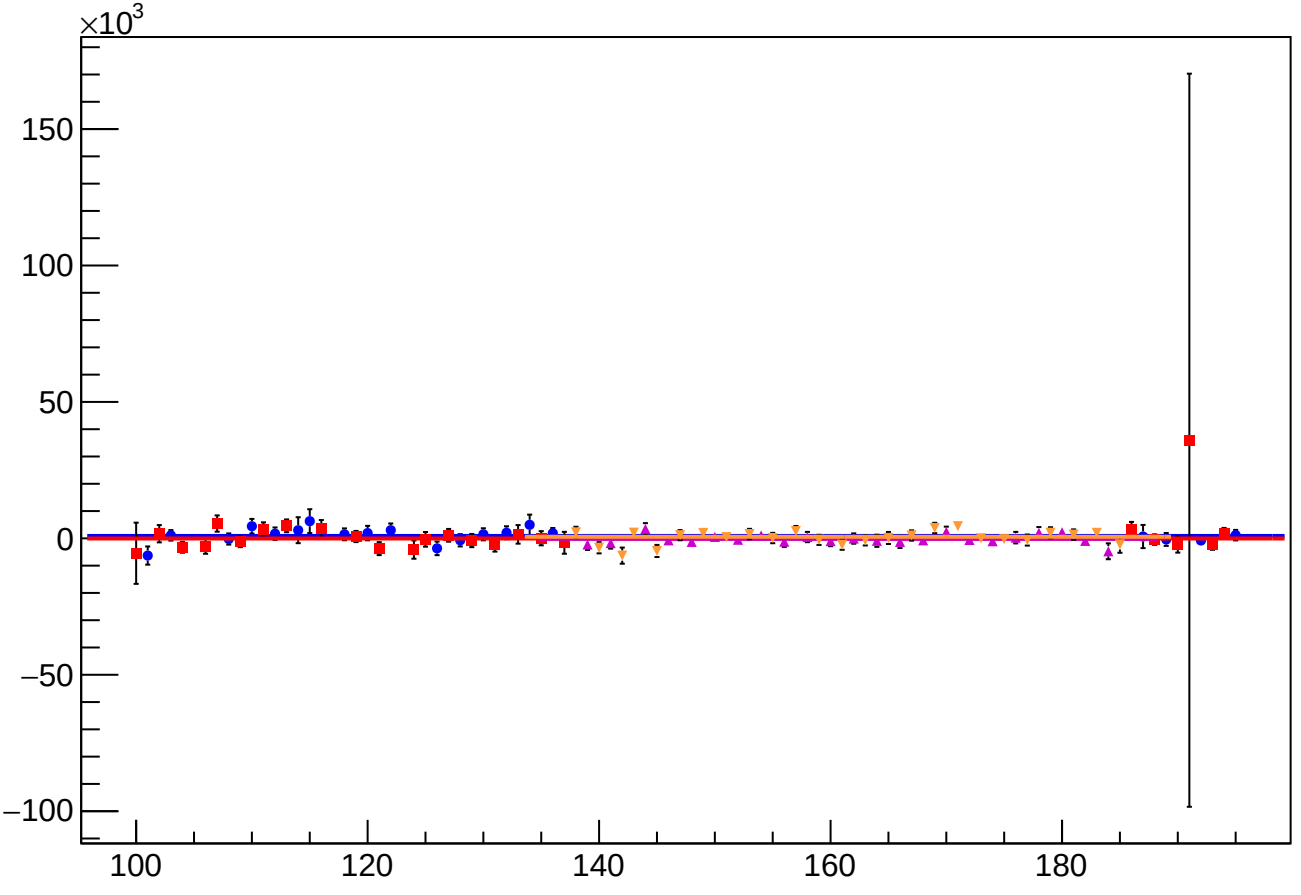
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 943.454+/-0.134 χ^2/NDF: 8216780.3/44

All: 952.345+/-0.095 χ^2/NDF: 15837269.0/92

- sign 961.382+/-0.135 χ^2/NDF: 7611577.2/47

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: -50.411+/-514.802 χ^2/NDF: 24.7/24

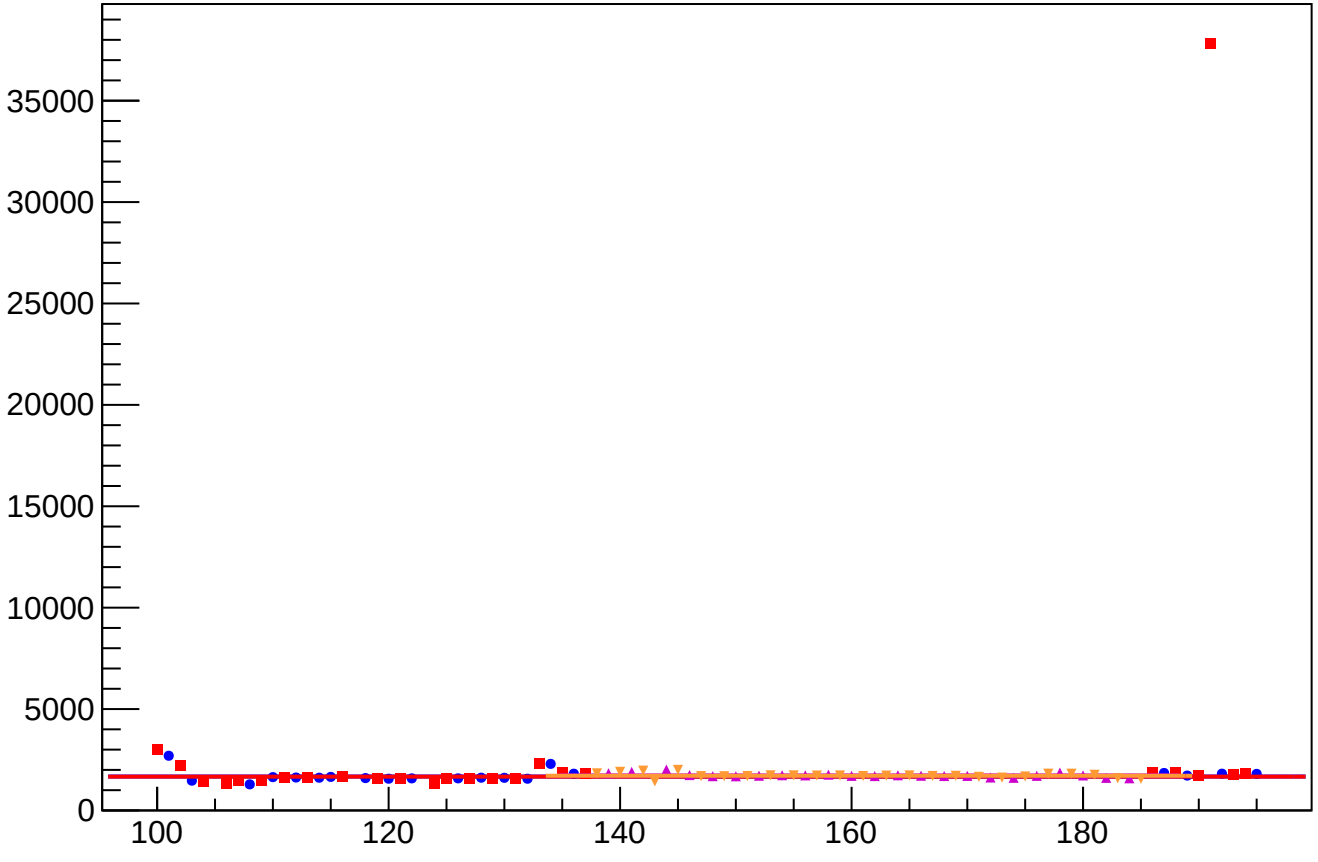
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 683.009+/-316.113 χ^2/NDF: 48.4/44

All: 276.659+/-224.142 χ^2/NDF: 91.0/92

- sign -134.206+/-317.864 χ^2/NDF: 39.2/47

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: 1667.520+/-0.364 χ^2/NDF: 505008.4/24

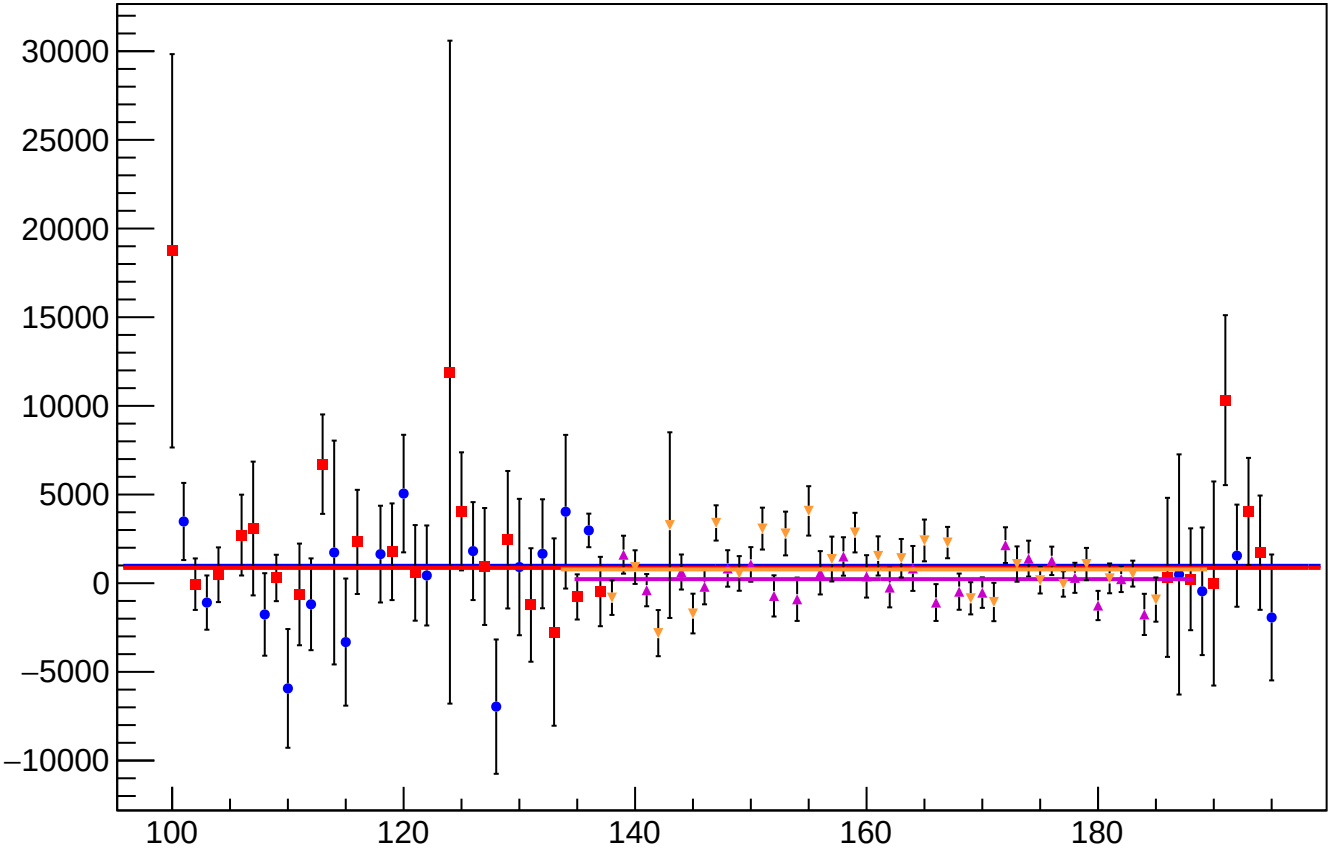
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1698.612+/-0.224 χ^2/NDF: 567504.1/44

All: 1701.733+/-0.158 χ^2/NDF: 1190161.9/92

- sign 1704.888+/-0.225 χ^2/NDF: 622265.9/47

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: 862.656+/-493.893 χ^2/NDF: 18.9/24

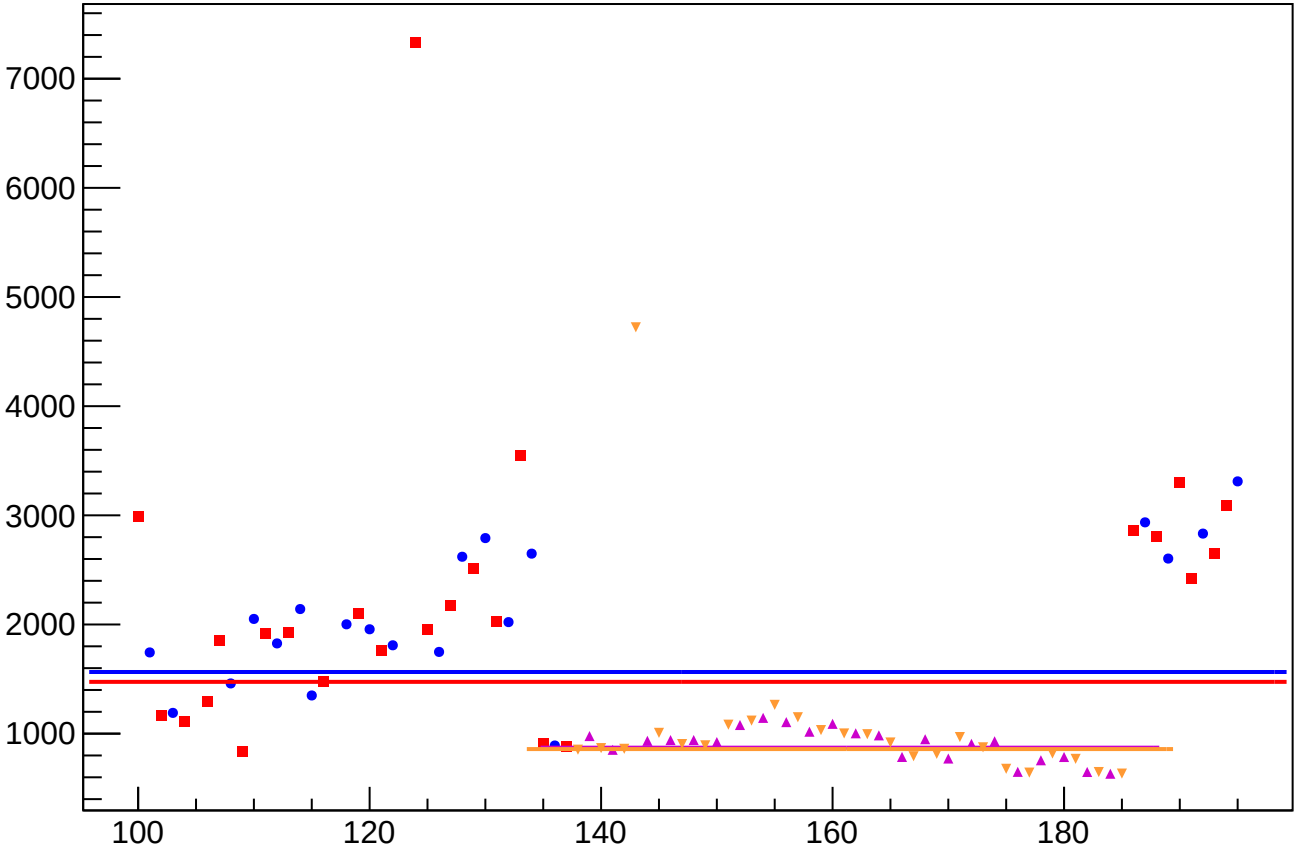
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 803.243+/-189.137 χ^2/NDF: 77.6/44

All: 565.239+/-134.281 χ^2/NDF: 123.6/92

\- sign 323.341+/-190.677 χ^2/NDF: 42.9/47

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: 1474.387+/-0.349 χ^2/NDF: 4096482.5/24

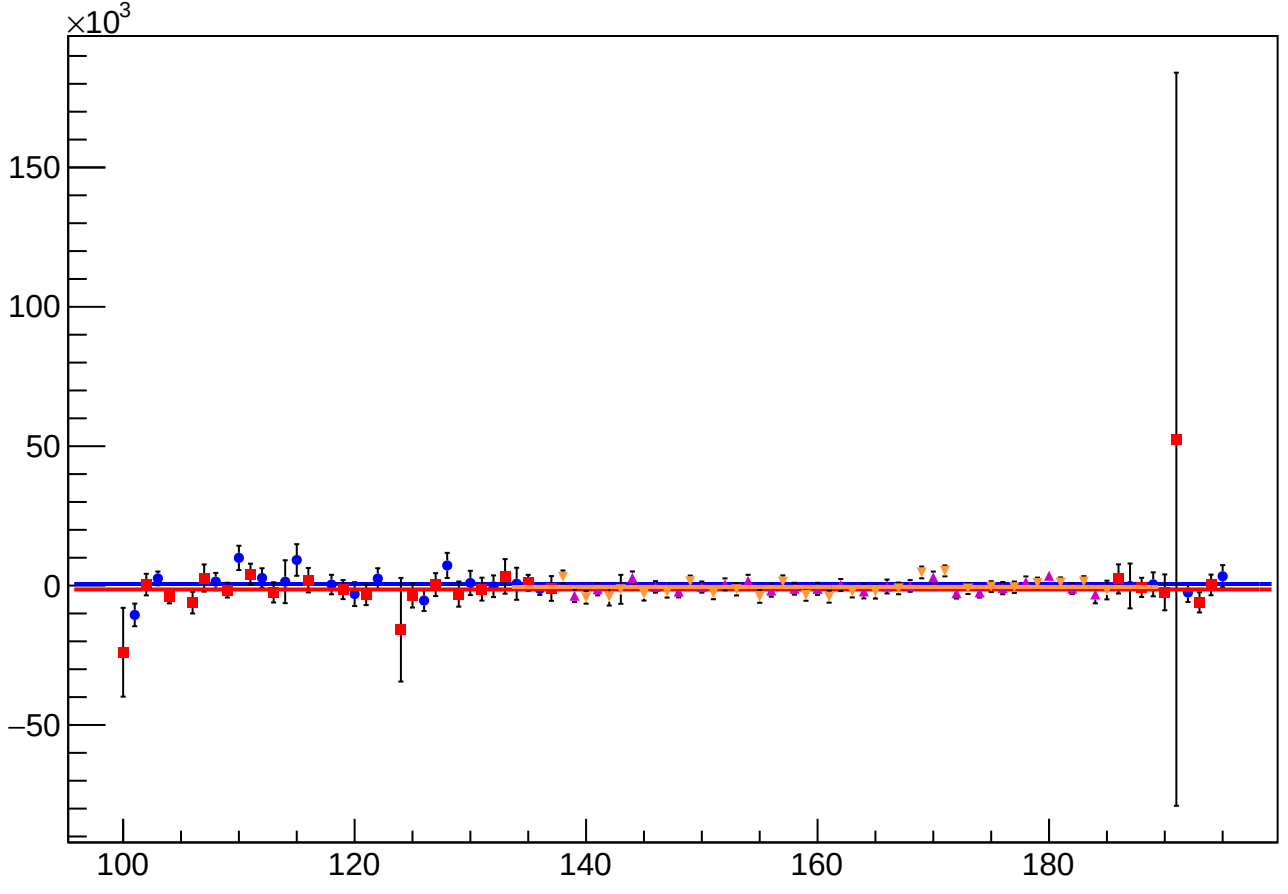
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 943.455+/-0.134 χ^2/NDF: 8216745.2/44

All: 952.346+/-0.095 χ^2/NDF: 15837225.3/92

- sign 961.382+/-0.135 χ^2/NDF: 7611569.7/47

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: -1387.853+/-801.787 χ^2/NDF: 13.4/24

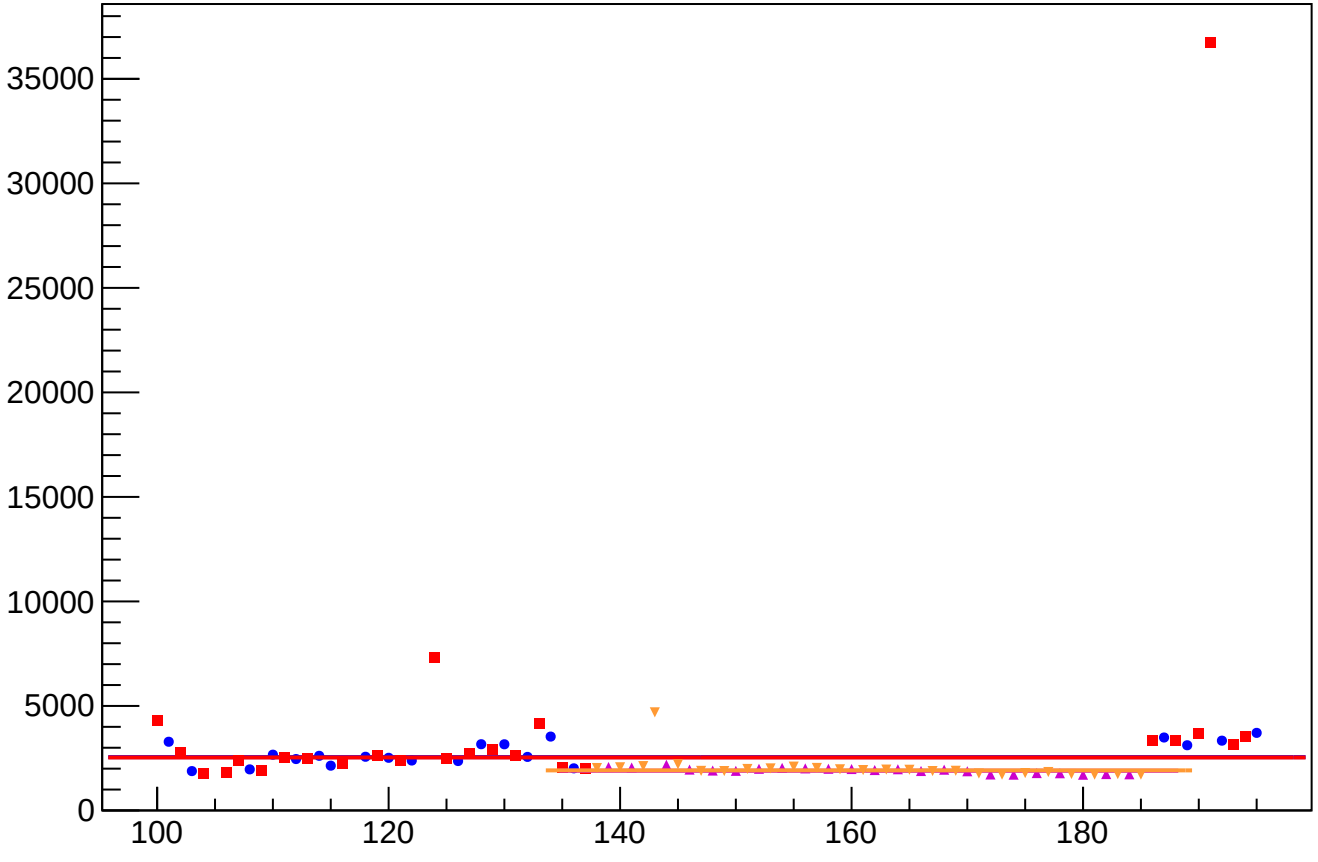
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -269.244+/-389.370 χ^2/NDF: 60.5/44

All: -455.370+/-275.126 χ^2/NDF: 94.4/92

- sign -640.954+/-388.804 χ^2/NDF: 33.4/47

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: 2535.187+/-0.567 χ^2/NDF: 1371002.5/24

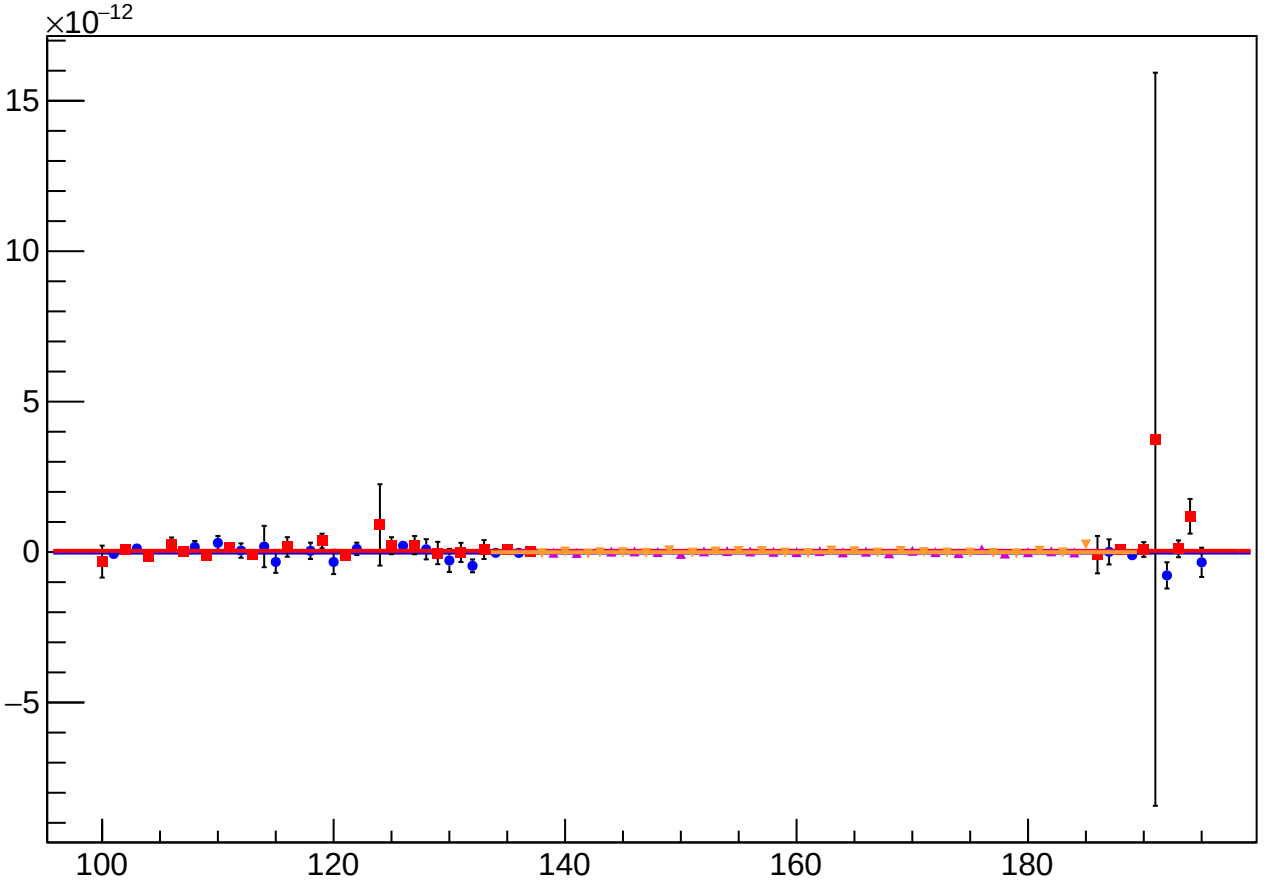
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2054.497+/-0.275 χ^2/NDF: 2563077.9/44

All: 2051.639+/-0.195 χ^2/NDF: 5070011.6/92

- sign 2048.789+/-0.275 χ^2/NDF: 2506718.5/47

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

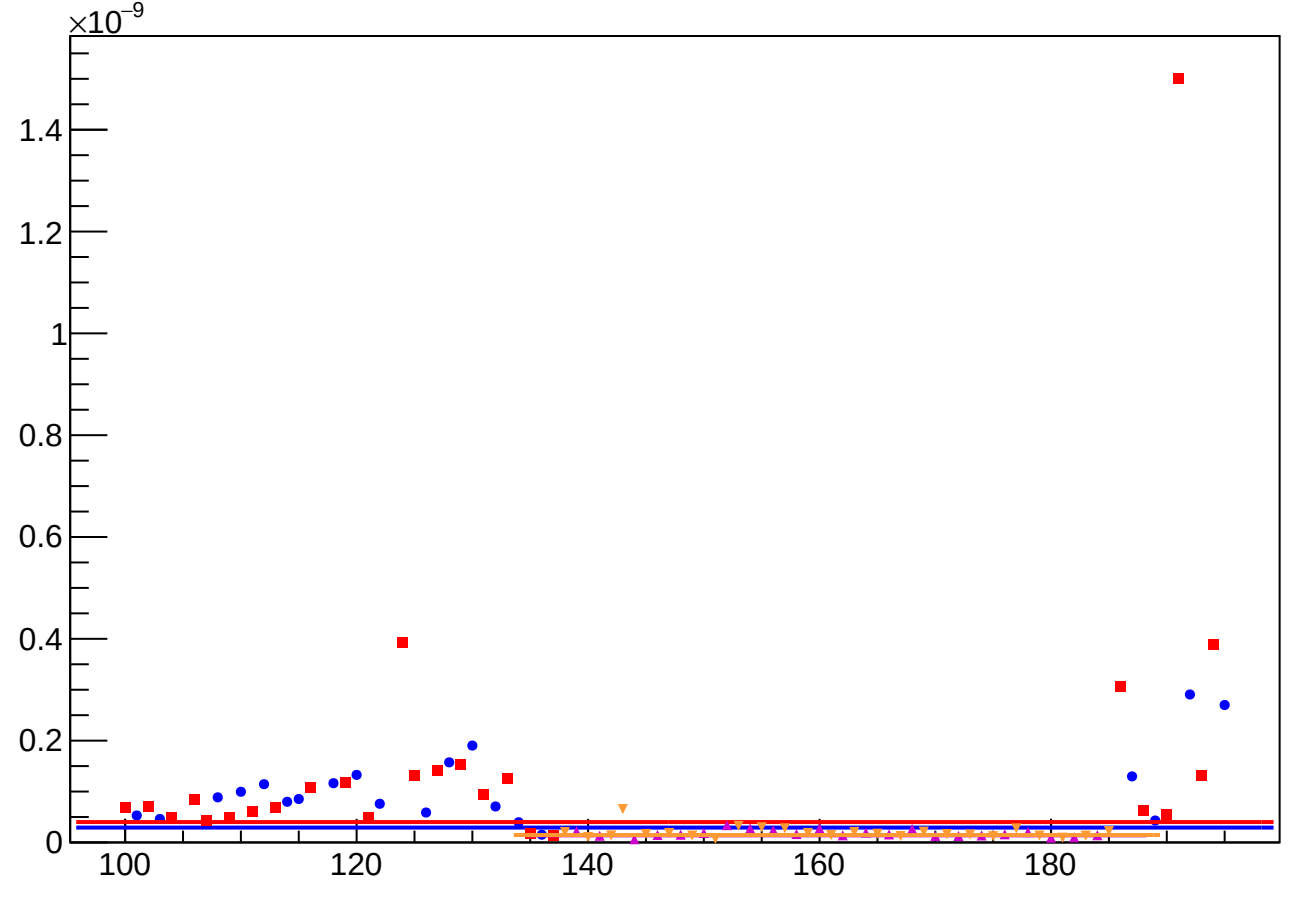
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/24

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/44

All: 0.000+/-0.000 χ^2/NDF: 97.2/92

- sign 0.000+/-0.000 χ^2/NDF: 46.2/47



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: 3889191.5/24

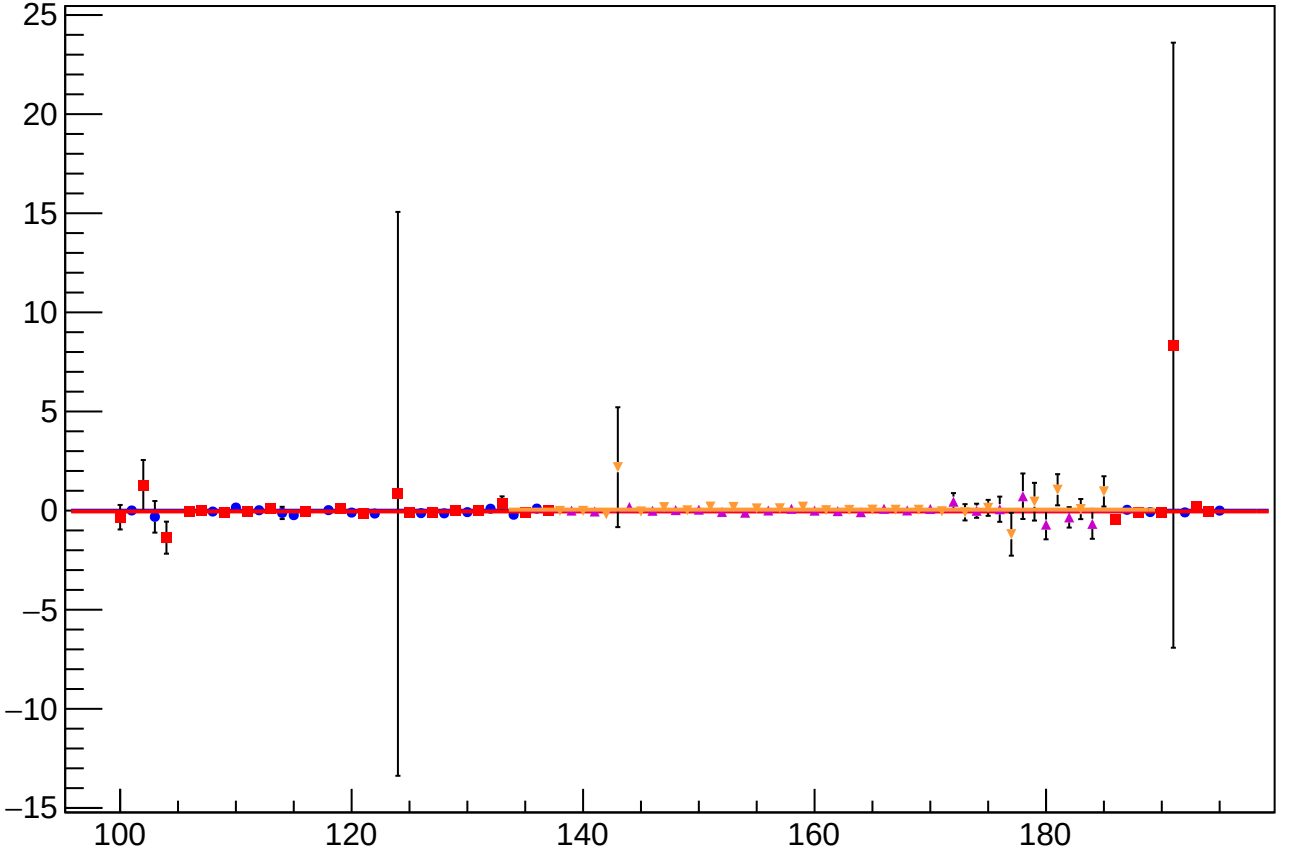
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6790998.3/44

All: 0.000+/-0.000 χ^2/NDF: 14422372.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7625513.0/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

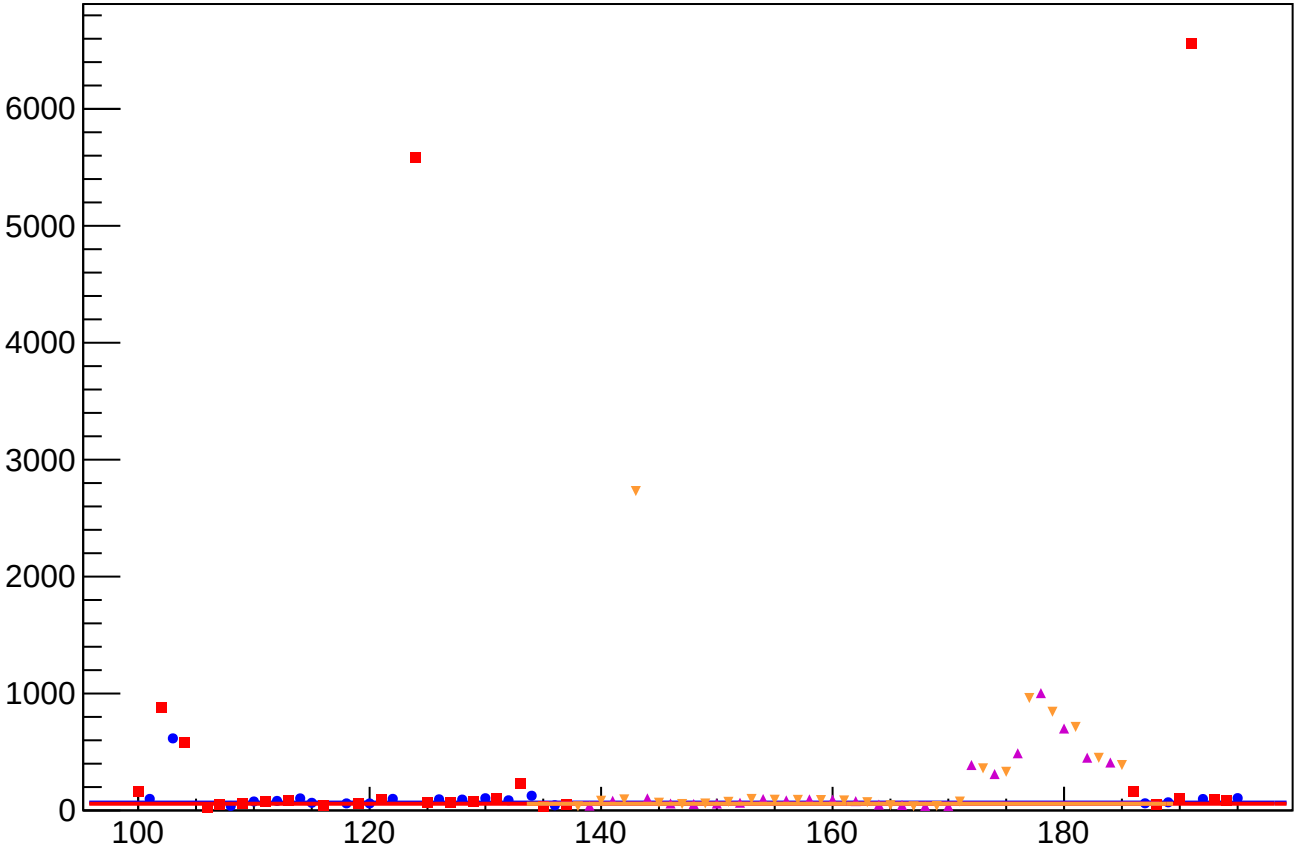
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.6/92

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

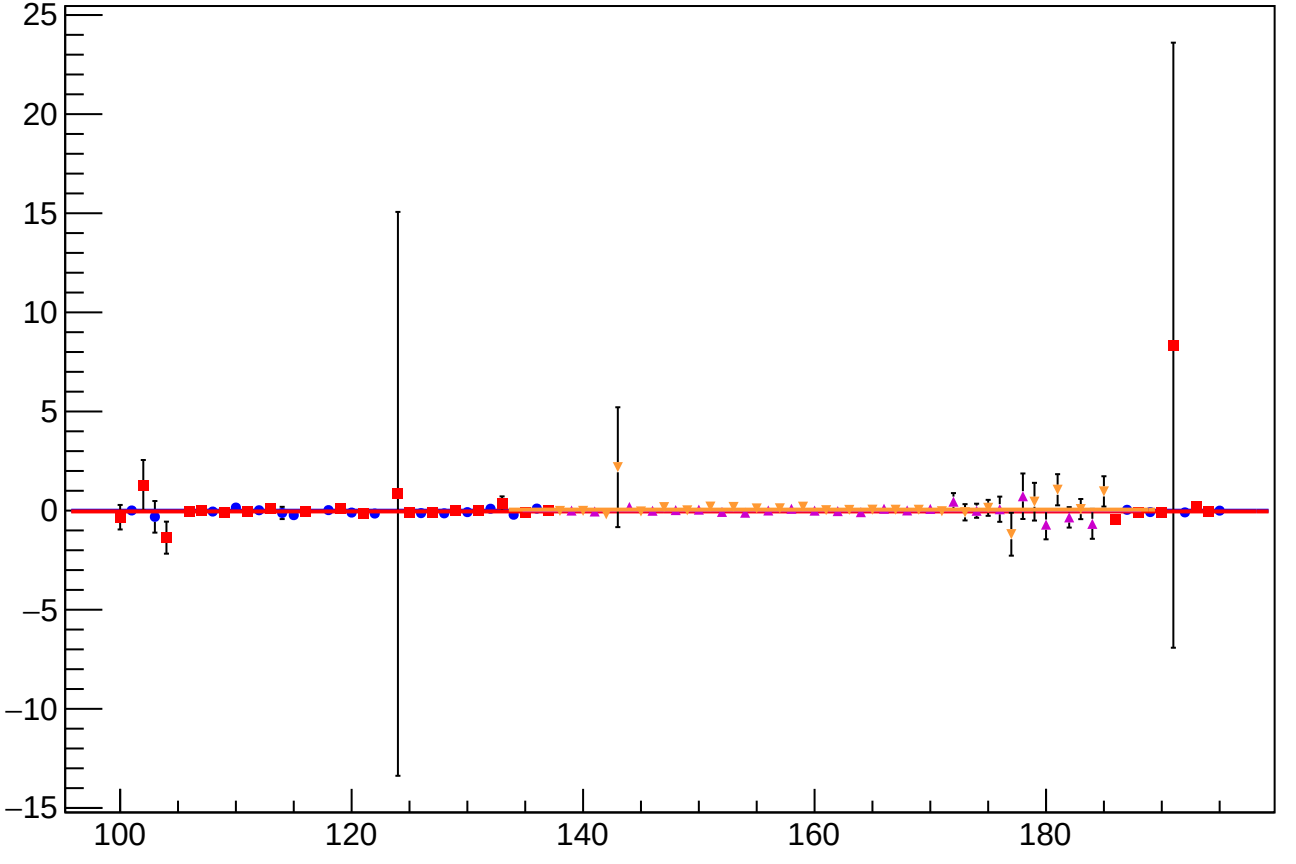
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.554+/-0.010 χ^2/NDF: 15416965.3/44

All: 59.274+/-0.007 χ^2/NDF: 30880580.4/92

- sign 58.106+/-0.009 χ^2/NDF: 15431611.8/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

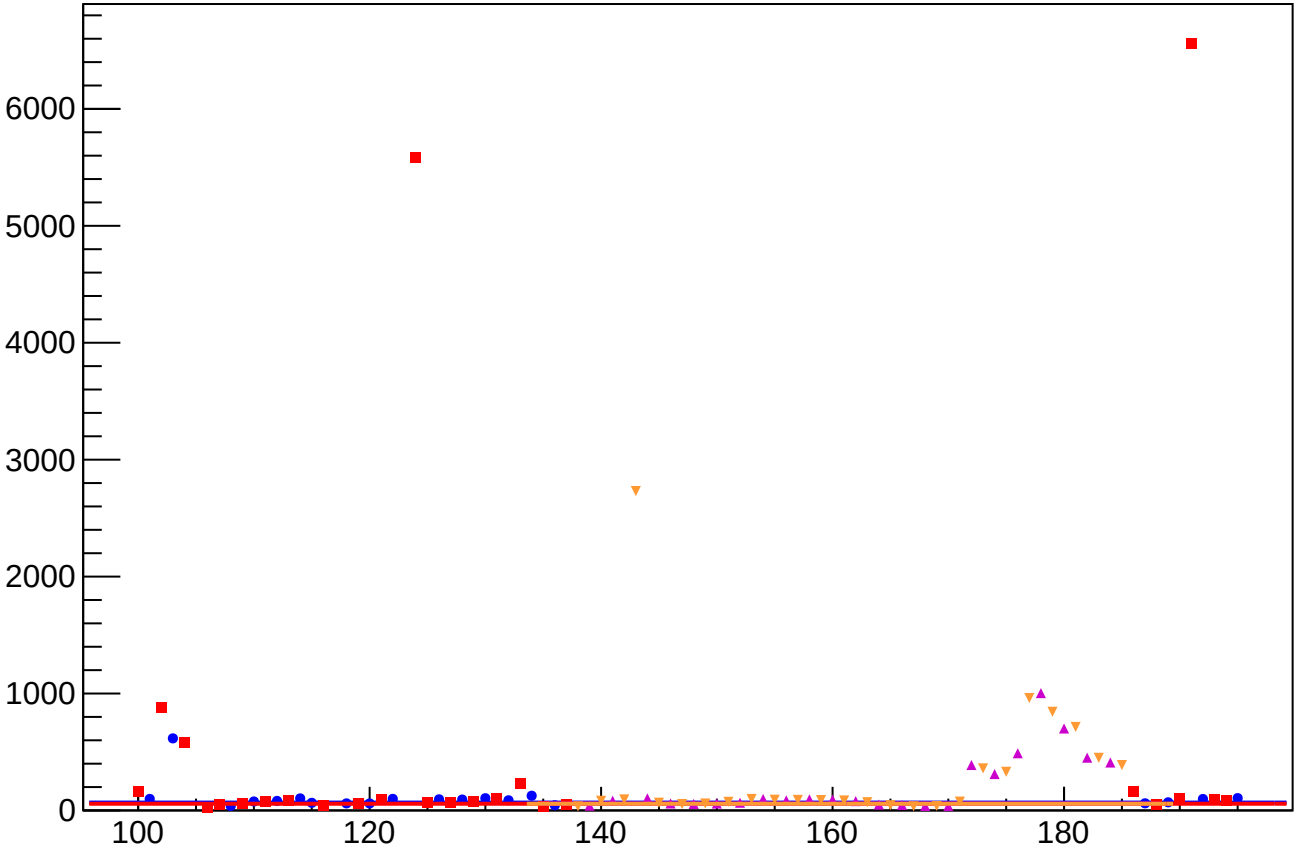
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.6/92

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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

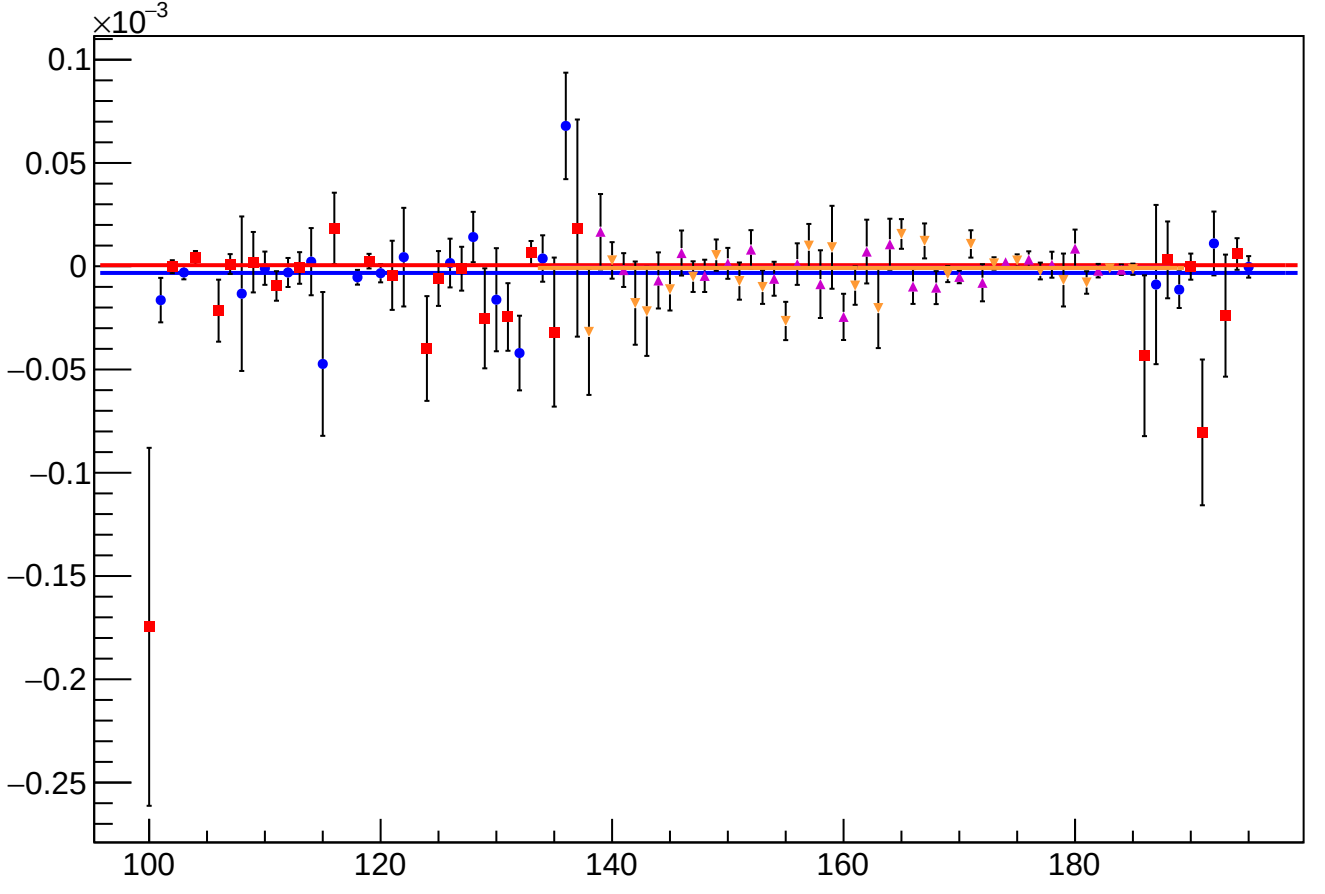
Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.554+/-0.010 χ^2/NDF: 15416965.3/44

All: 59.274+/-0.007 χ^2/NDF: 30880580.4/92

- sign 58.106+/-0.009 χ^2/NDF: 15431611.8/47



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: 26.9/24

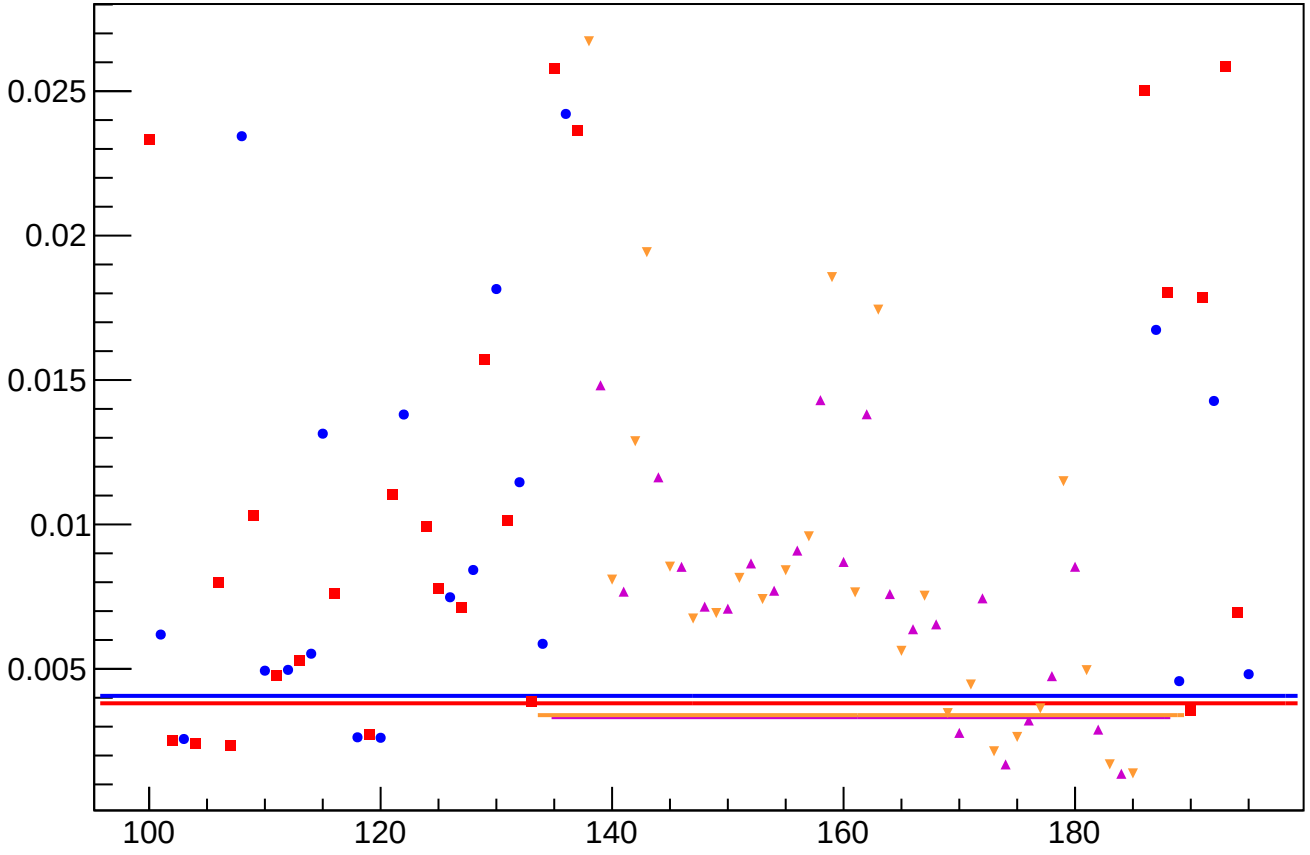
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/44

All: -0.000+/-0.000 χ^2/NDF: 102.3/92

- sign -0.000+/-0.000 χ^2/NDF: 46.2/47

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5904965.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8121348.5/24

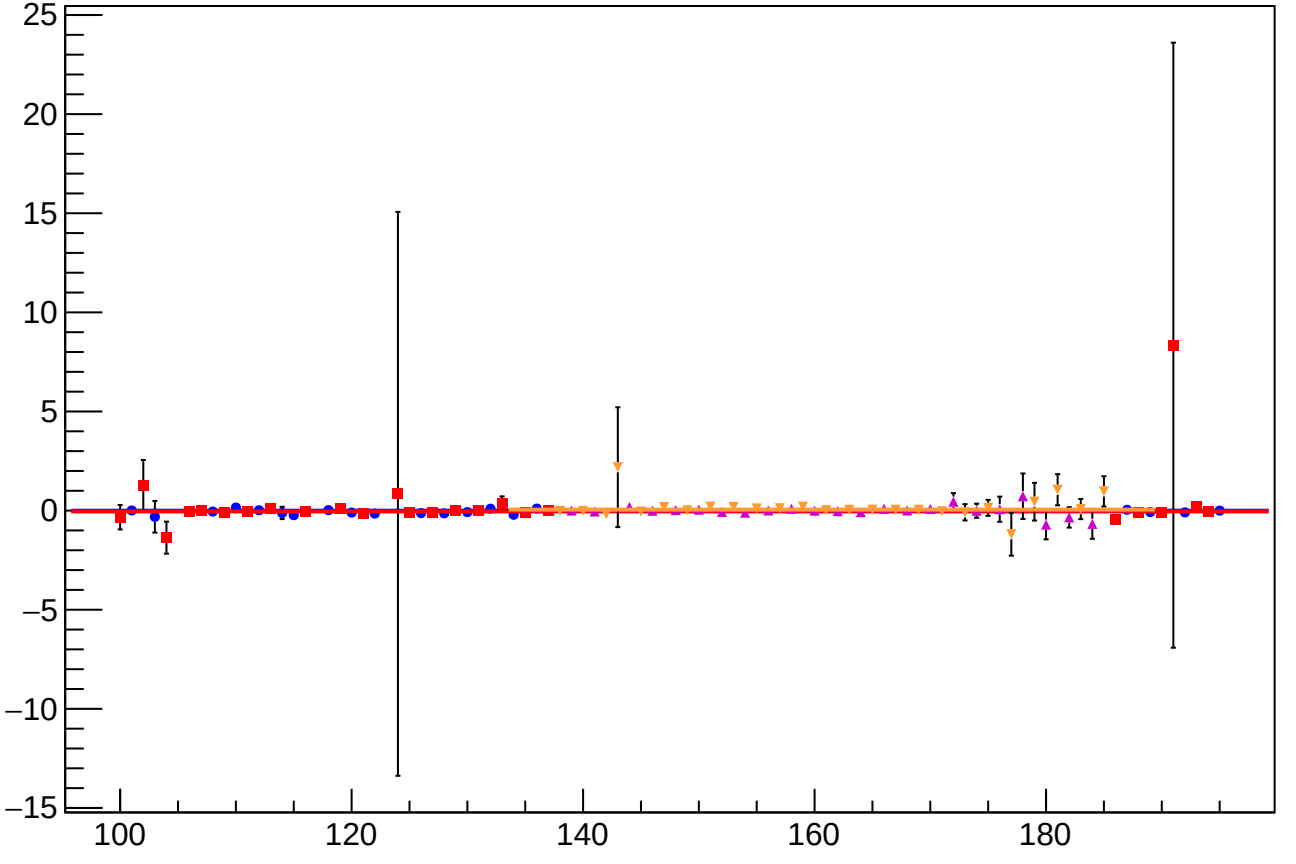
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 20384046.8/44

All: 0.004+/-0.000 χ^2/NDF: 41224998.0/92

- sign 0.003+/-0.000 χ^2/NDF: 20830382.3/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

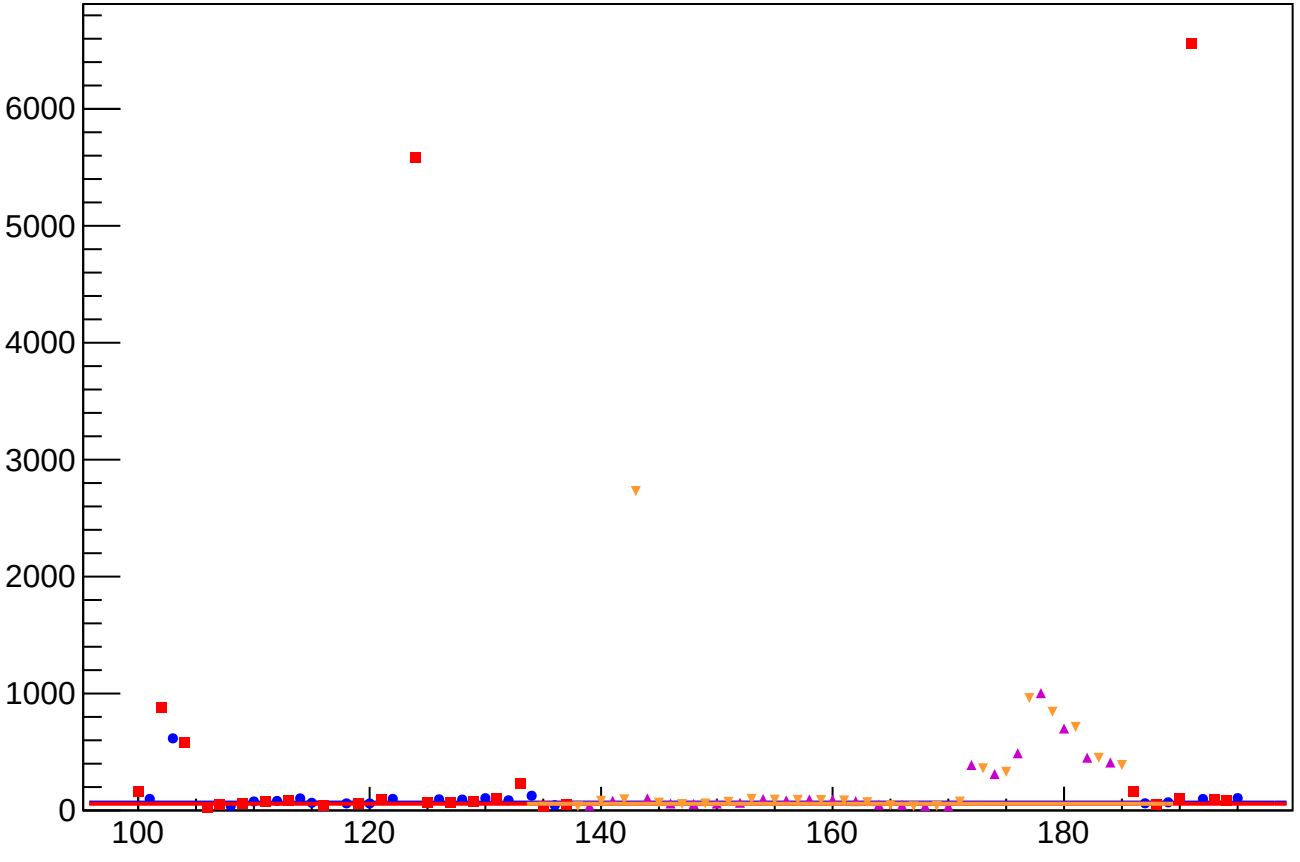
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/44

All: 0.013+/-0.010 χ^2/NDF: 88.6/92

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

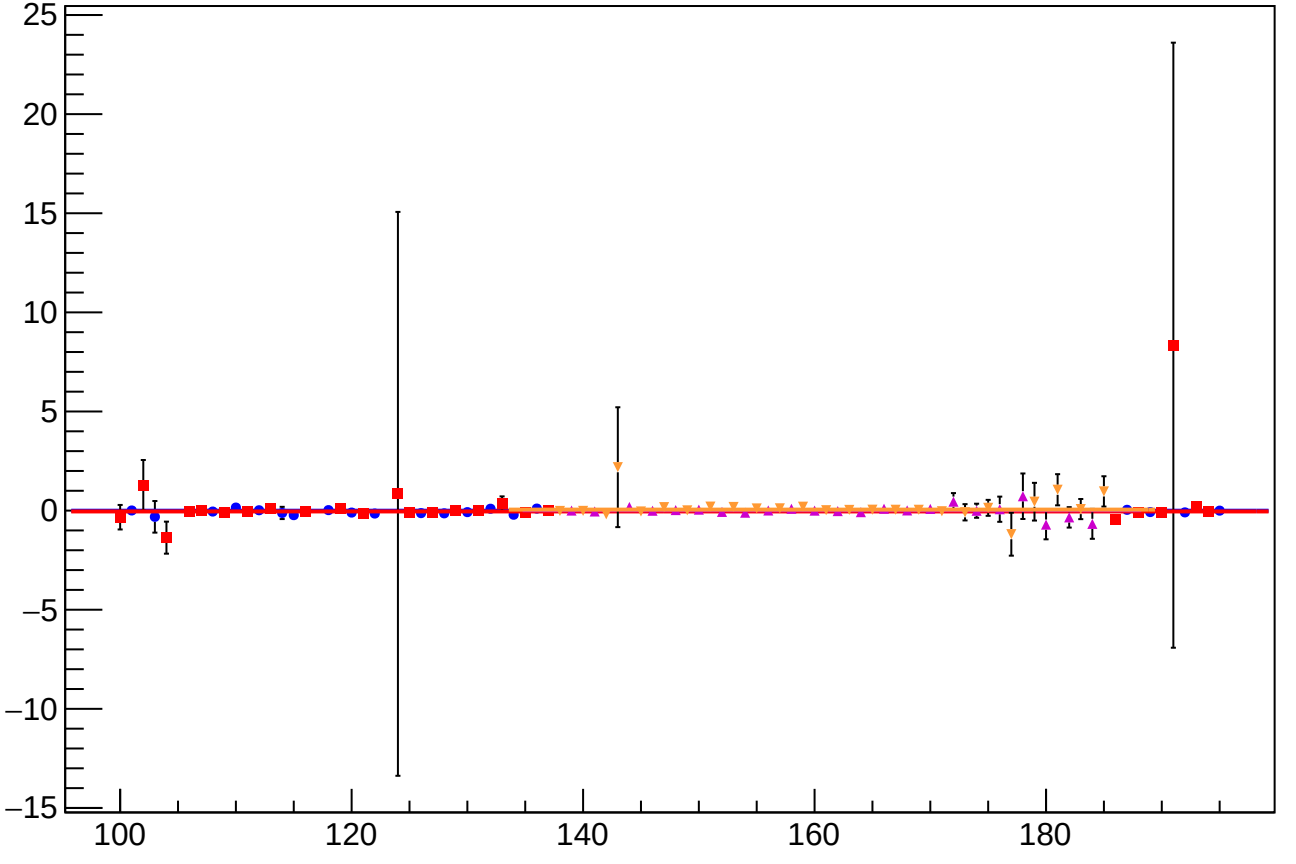
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.555+/-0.010 χ^2/NDF: 15415915.3/44

All: 59.274+/-0.007 χ^2/NDF: 30879778.3/92

- sign 58.105+/-0.009 χ^2/NDF: 15431812.7/47

asym_at2_dd_eigen_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

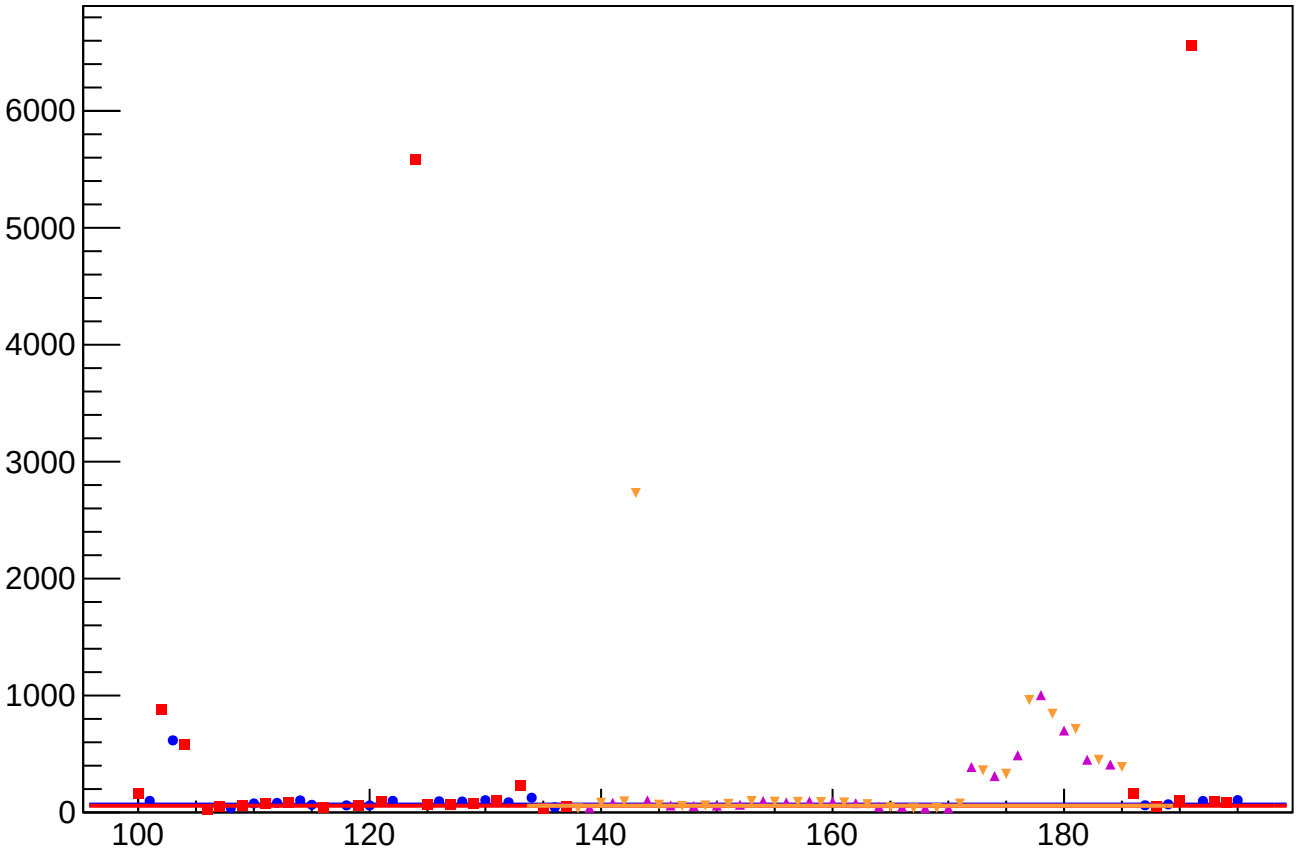
Right Out: -0.042+/-0.021 χ^2/NDF: 22.2/24

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: 88.6/92

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47



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: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

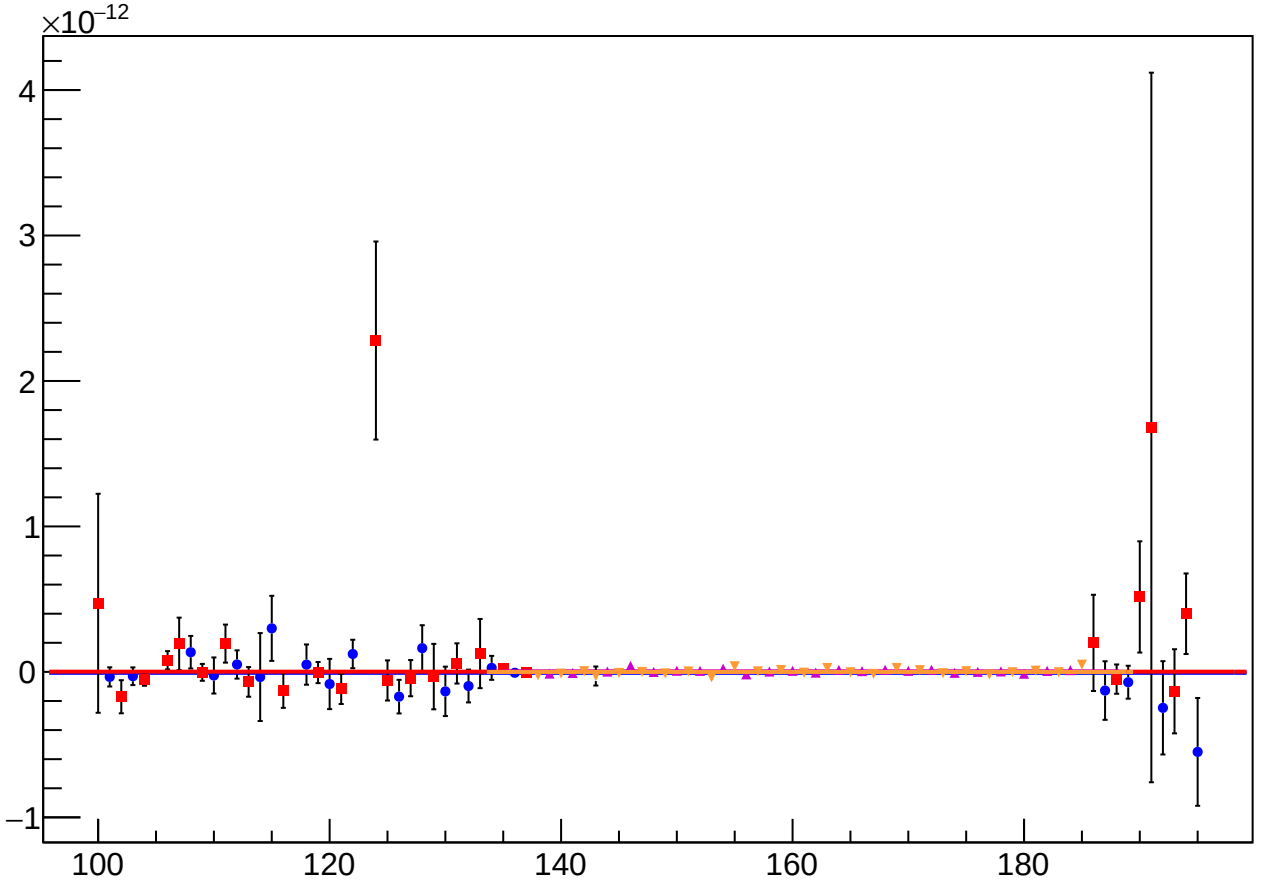
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.555+/-0.010 χ^2/NDF: 15415915.3/44

All: 59.274+/-0.007 χ^2/NDF: 30879778.3/92

- sign 58.105+/-0.009 χ^2/NDF: 15431812.7/47

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

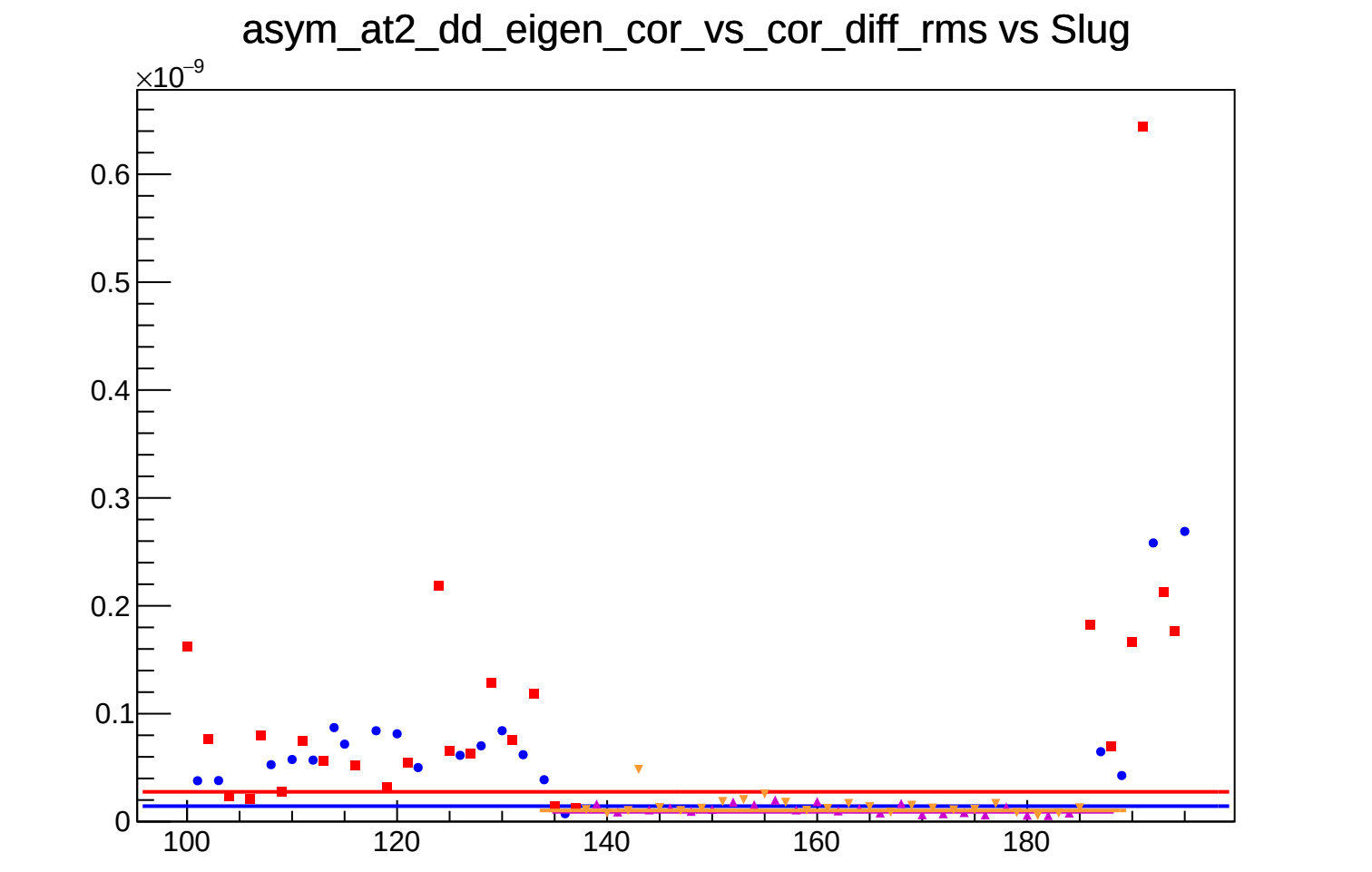
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/24

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: 80.0/92

- sign 0.000+/-0.000 χ^2/NDF: 45.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 7358669.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6218820.6/24

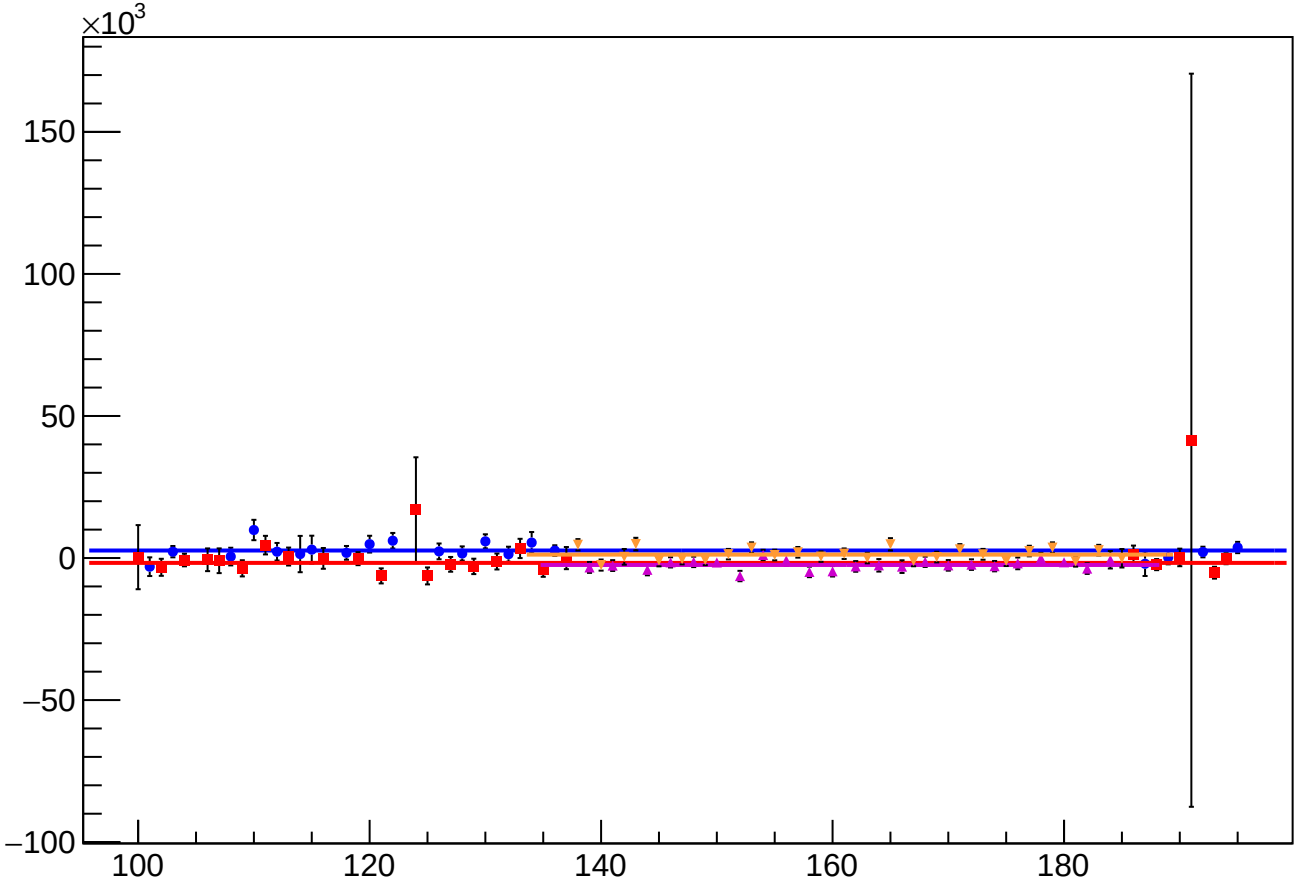
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11285853.6/44

All: 0.000+/-0.000 χ^2/NDF: 23682101.4/92

- sign 0.000+/-0.000 χ^2/NDF: 12286447.6/47

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: -1711.362+/-579.544 χ^2/NDF: 20.7/24

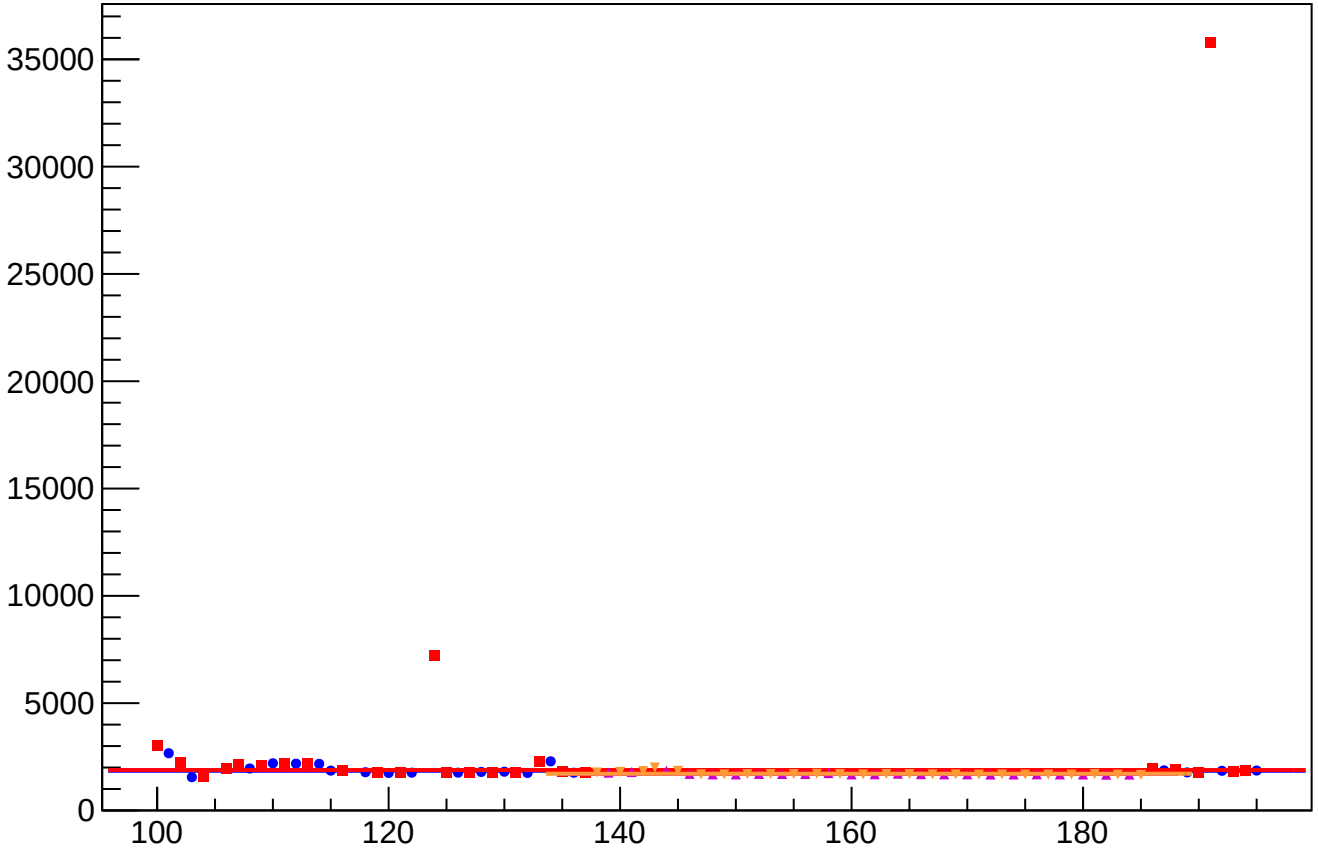
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

\+ sign 1636.186+/-325.559 χ^2/NDF: 45.6/44

All: -270.084+/-231.086 χ^2/NDF: 154.0/92

\- sign -2205.839+/-328.067 χ^2/NDF: 39.3/47

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: 1883.341+/-0.409 χ^2/NDF: 516195.2/24

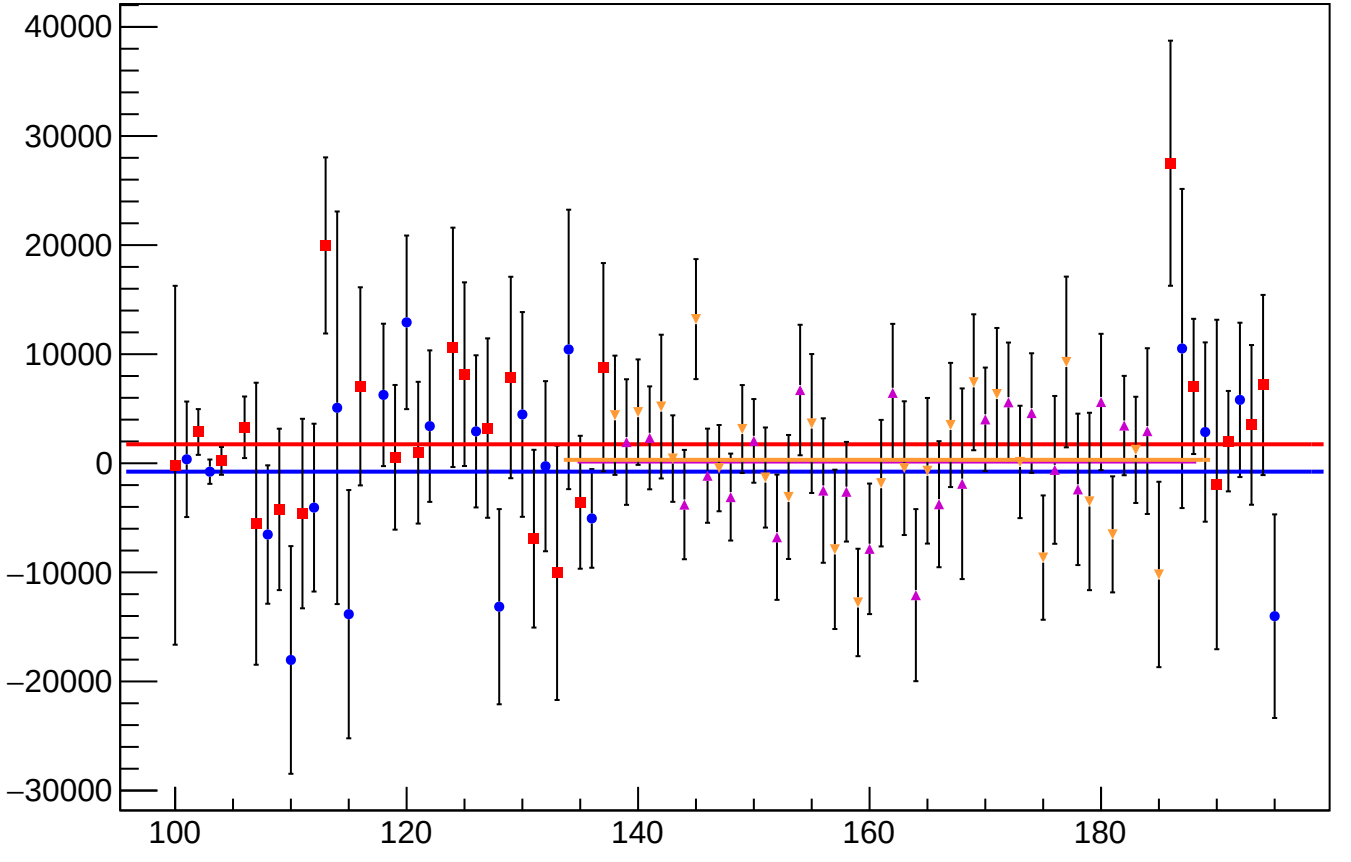
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.1/44

All: 1757.301+/-0.163 χ^2/NDF: 1070621.5/92

- sign 1761.570+/-0.232 χ^2/NDF: 669235.3/47

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: 1741.057+/-873.417 χ^2/NDF: 20.7/24

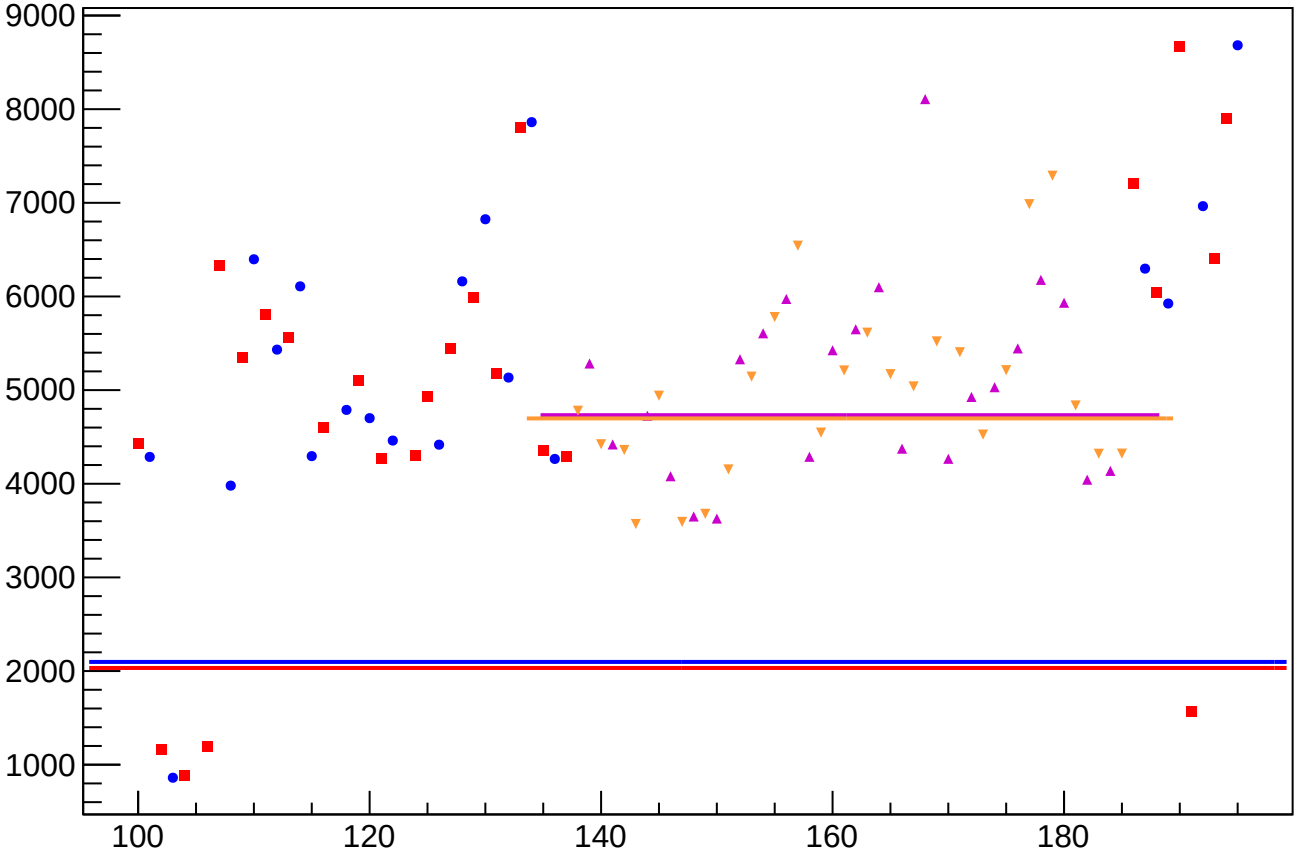
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -307.119+/-712.819 χ^2/NDF: 45.1/44

All: 443.355+/-496.032 χ^2/NDF: 84.0/92

- sign 1147.969+/-690.696 χ^2/NDF: 36.7/47

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: 2032.911+/-0.618 χ^2/NDF: 10000049.3/24

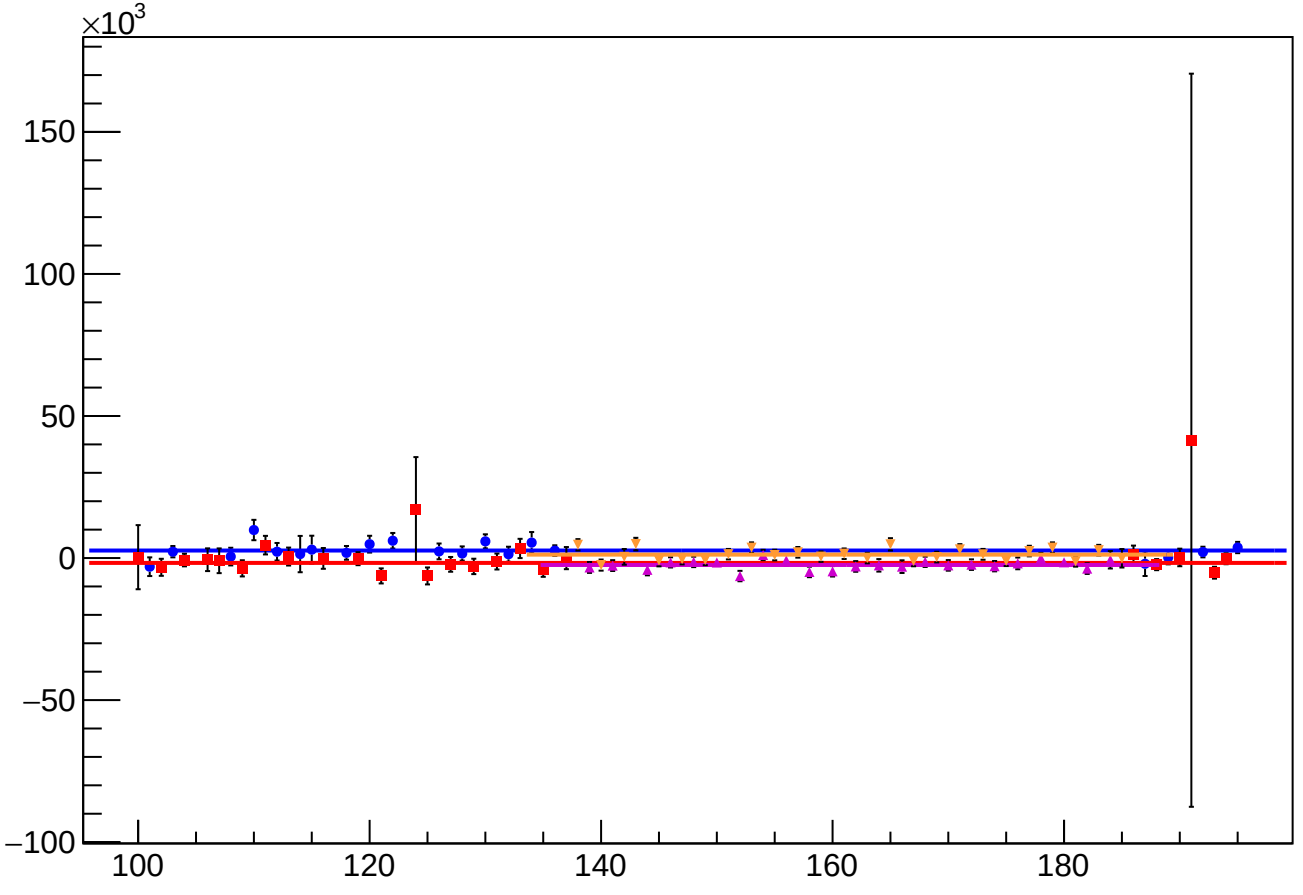
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3205.412+/-0.504 χ^2/NDF: 17252914.0/44

All: 3122.294+/-0.351 χ^2/NDF: 35706153.1/9

- sign 3044.255+/-0.488 χ^2/NDF: 18400514.2/47

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: -1710.452+/-579.545 χ^2/NDF: 20.8/24

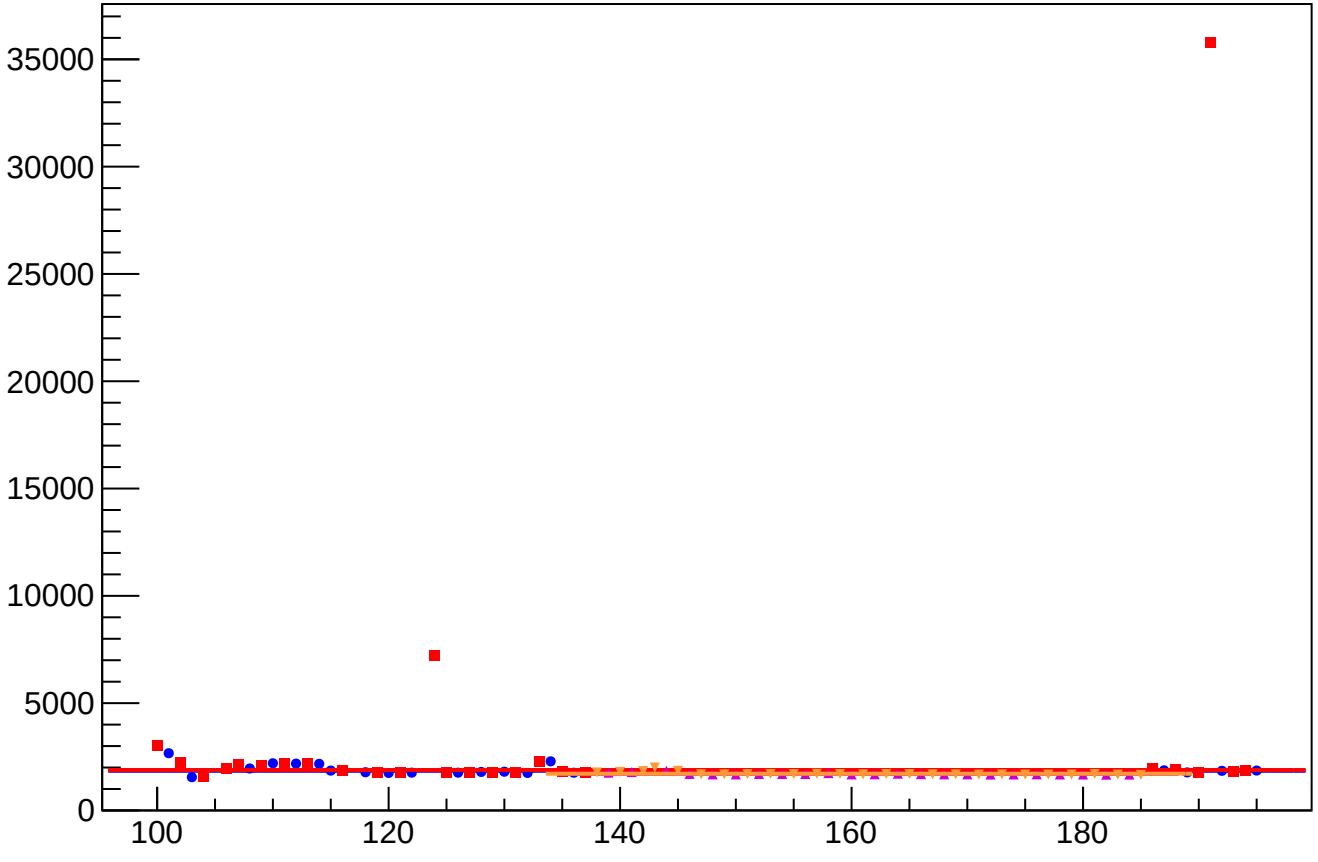
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1636.150+/-325.559 χ^2/NDF: 45.6/44

All: -269.934+/-231.086 χ^2/NDF: 154.0/92

- sign -2205.501+/-328.067 χ^2/NDF: 39.3/47

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: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

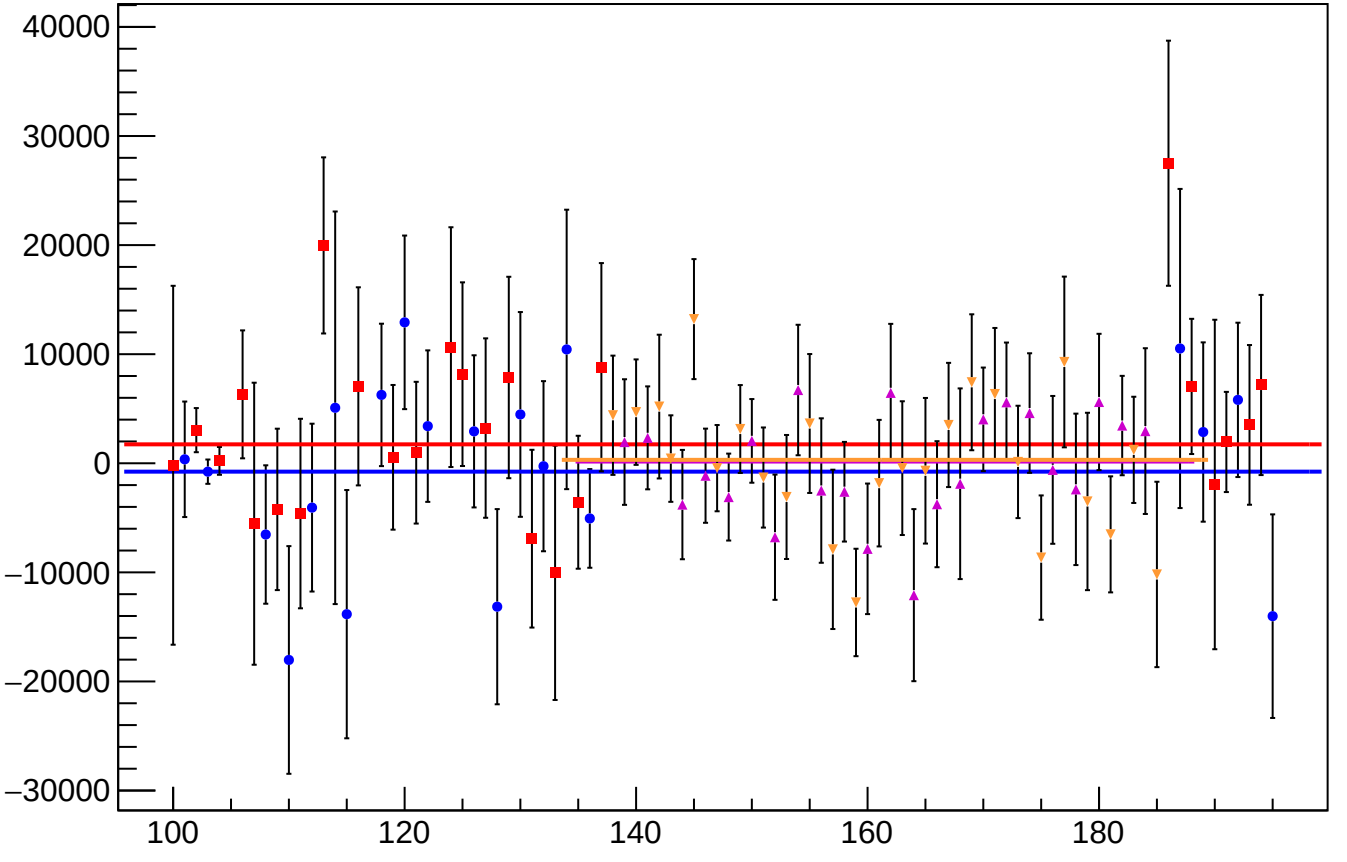
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.0/44

All: 1757.344+/-0.163 χ^2/NDF: 1071325.2/92

- sign 1761.656+/-0.232 χ^2/NDF: 669925.4/47

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: 1735.547+/-901.148 χ^2/NDF: 21.2/24

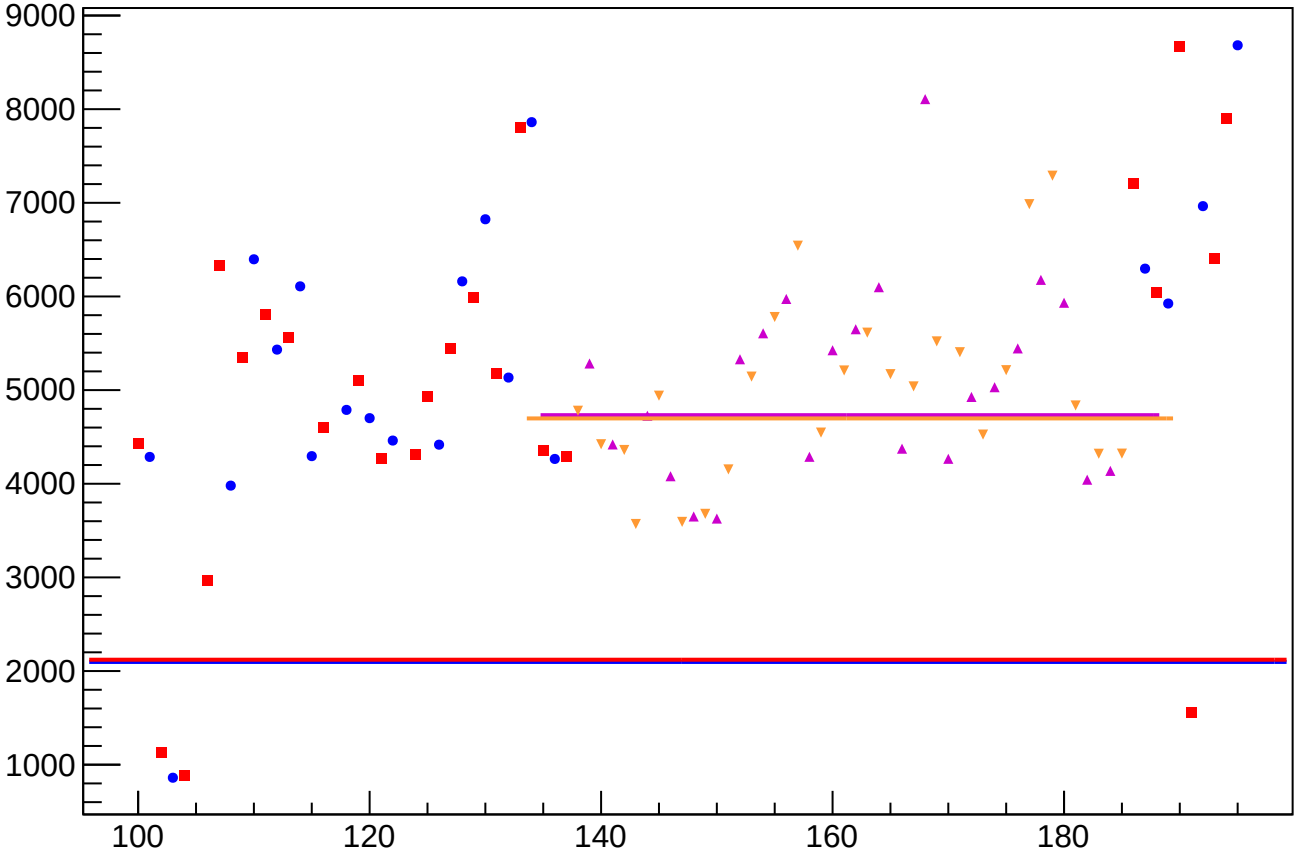
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -306.870+/-712.797 χ^2/NDF: 45.1/44

All: 415.886+/-500.944 χ^2/NDF: 84.2/92

- sign 1121.247+/-704.167 χ^2/NDF: 37.1/47

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: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

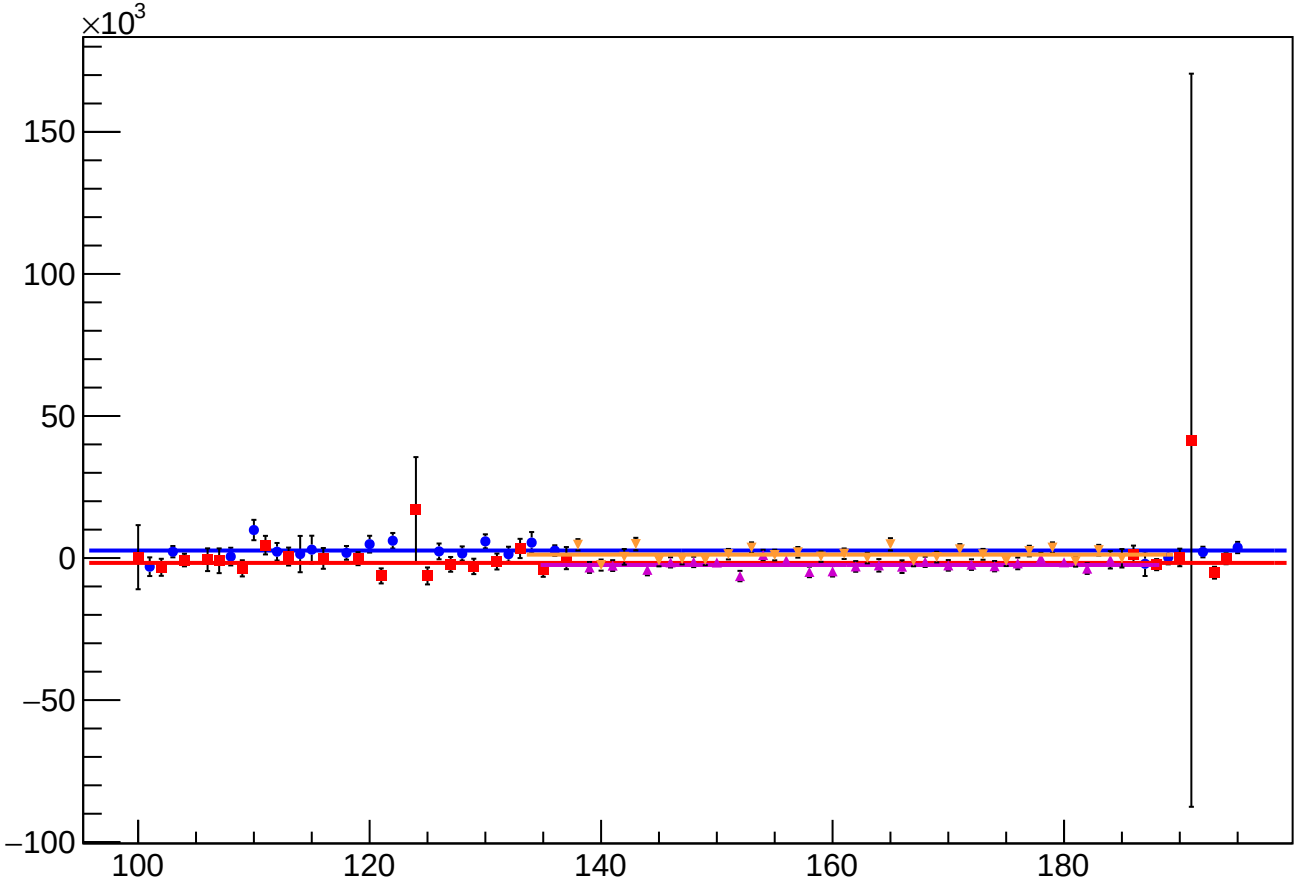
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3205.246+/-0.504 χ^2/NDF: 17254647.9/44

All: 3171.150+/-0.354 χ^2/NDF: 34960080.9/9

- sign 3137.875+/-0.498 χ^2/NDF: 17696390.9/47

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: -1710.452+/-579.545 χ^2/NDF: 20.8/24

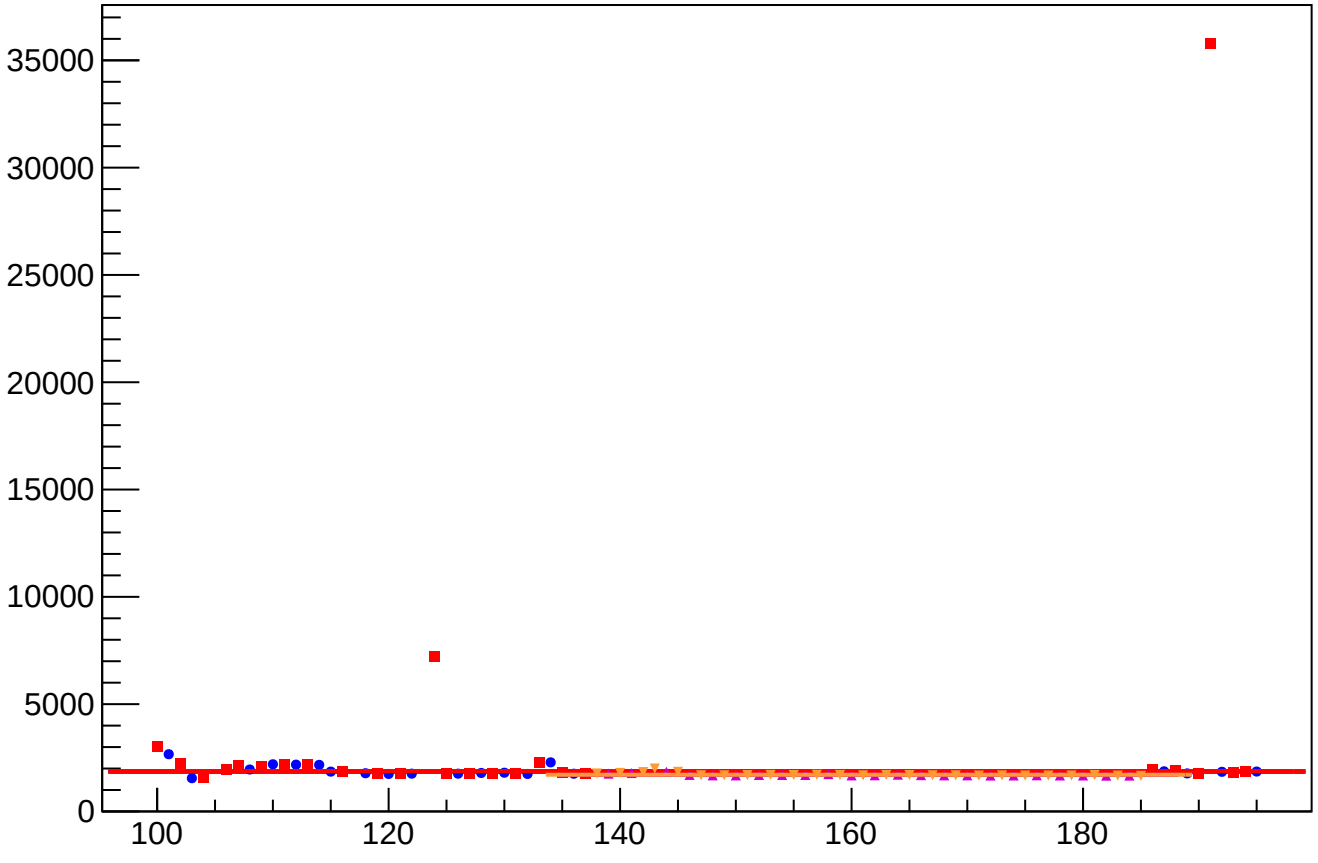
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1636.150+/-325.559 χ^2/NDF: 45.6/44

All: -269.934+/-231.086 χ^2/NDF: 154.0/92

- sign -2205.501+/-328.067 χ^2/NDF: 39.3/47

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: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

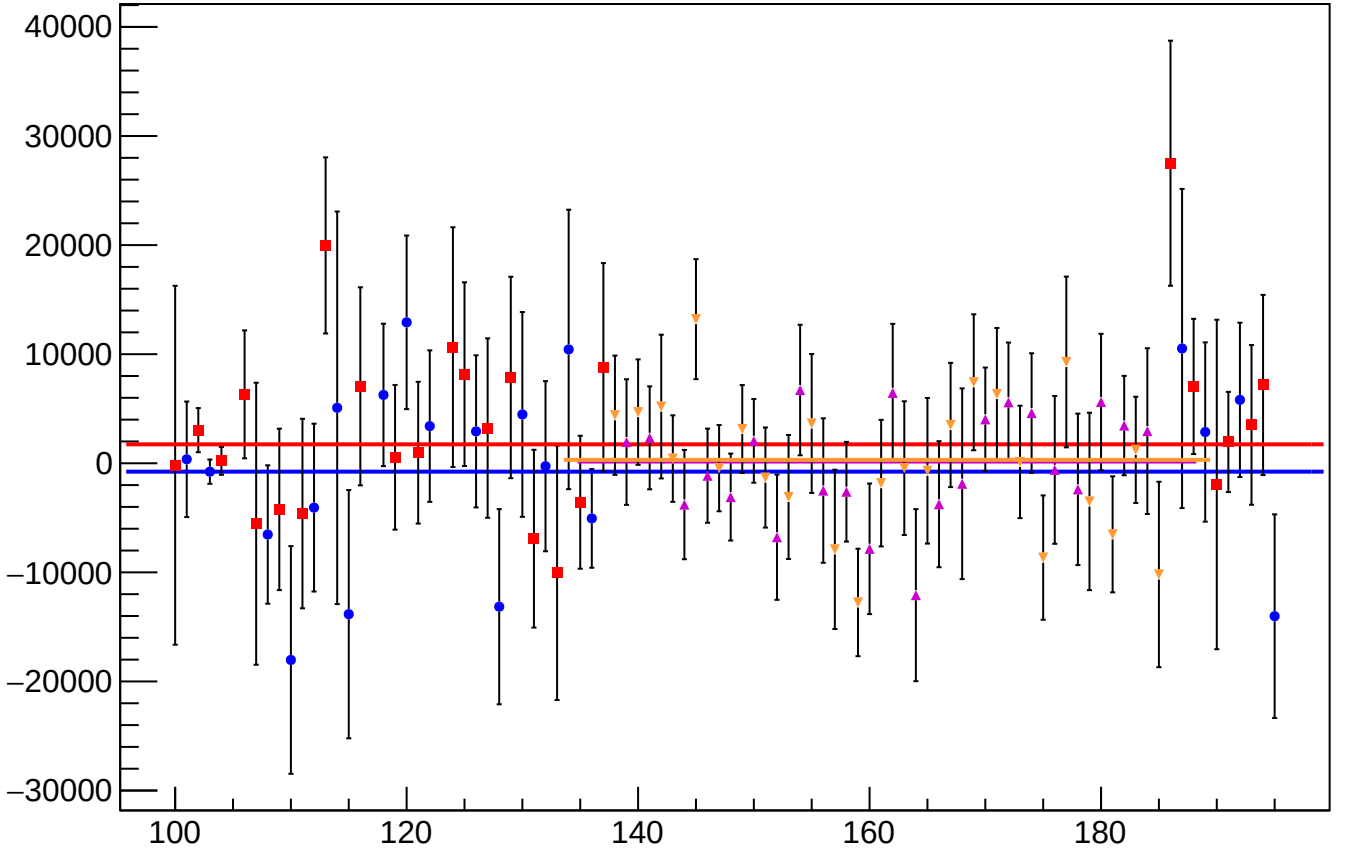
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1753.093+/-0.230 χ^2/NDF: 400713.0/44

All: 1757.344+/-0.163 χ^2/NDF: 1071325.2/92

- sign 1761.656+/-0.232 χ^2/NDF: 669925.4/47

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: 1735.547+/-901.148 χ^2/NDF: 21.2/24

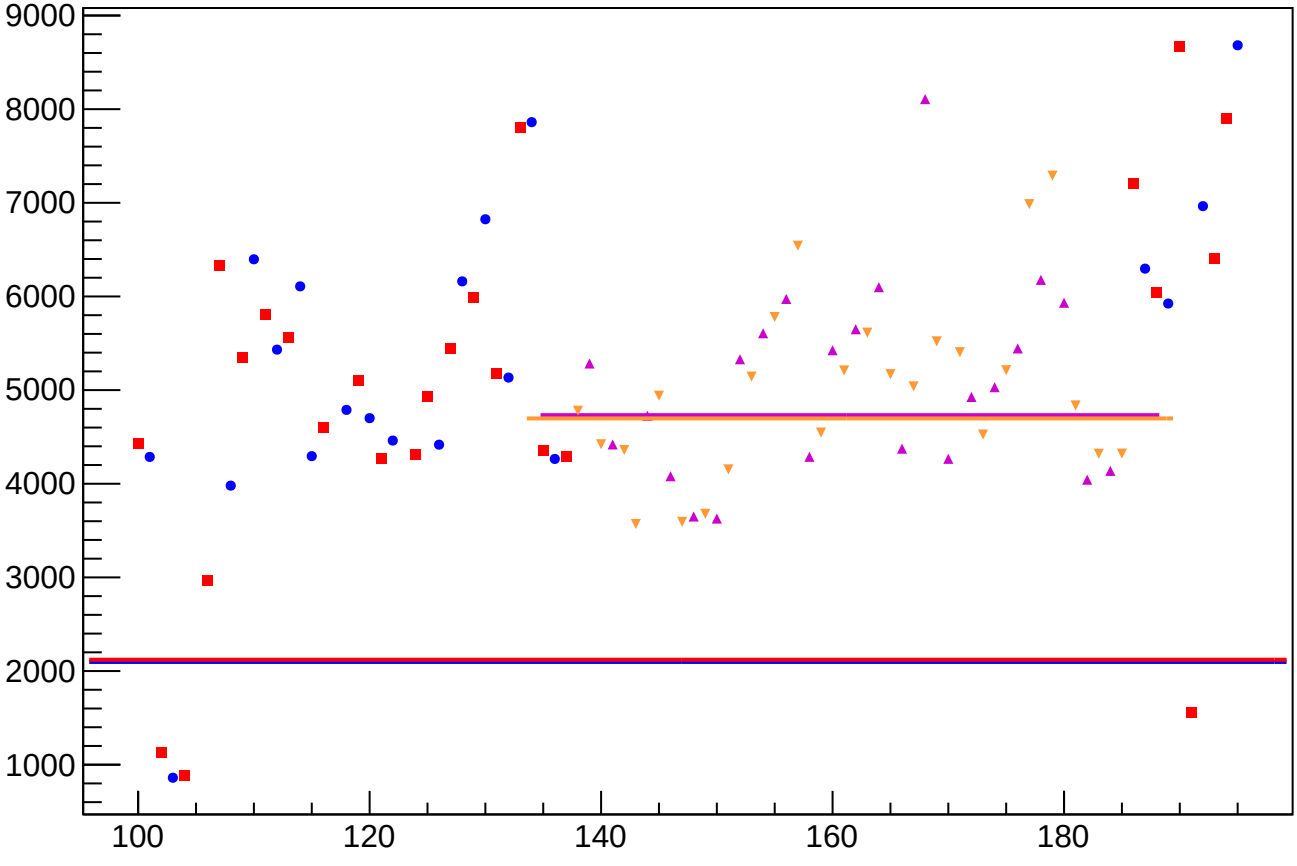
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -306.870+/-712.797 χ^2/NDF: 45.1/44

All: 415.886+/-500.944 χ^2/NDF: 84.2/92

- sign 1121.247+/-704.167 χ^2/NDF: 37.1/47

asym_atl1r2_avg_eigen_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

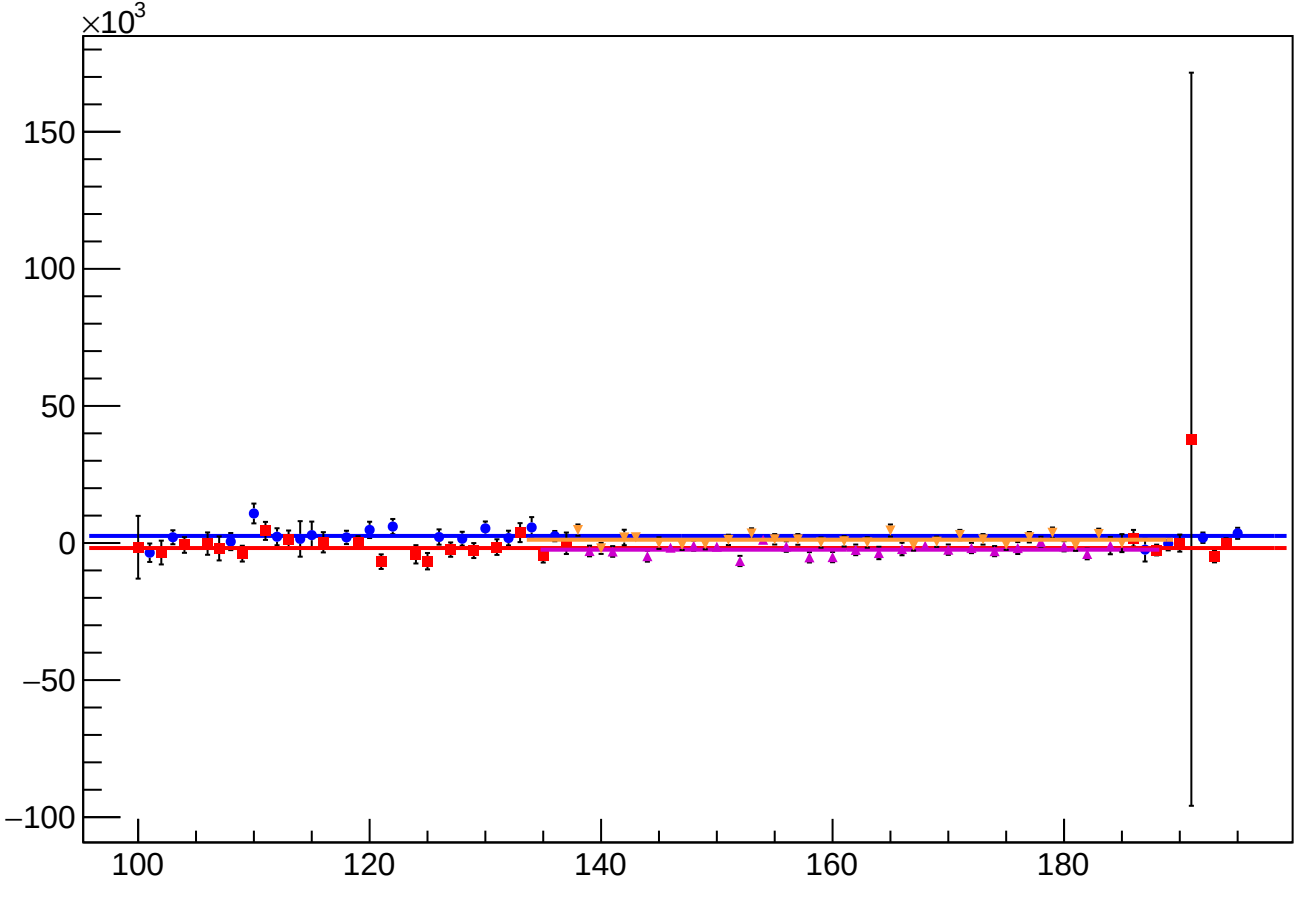
Right Out: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3205.246+/-0.504 χ^2/NDF: 17254647.9/44

All: 3171.150+/-0.354 χ^2/NDF: 34960080.9/9

- sign 3137.875+/-0.498 χ^2/NDF: 17696390.9/47



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: -1831.830+/-589.205 χ^2/NDF: 22.2/24

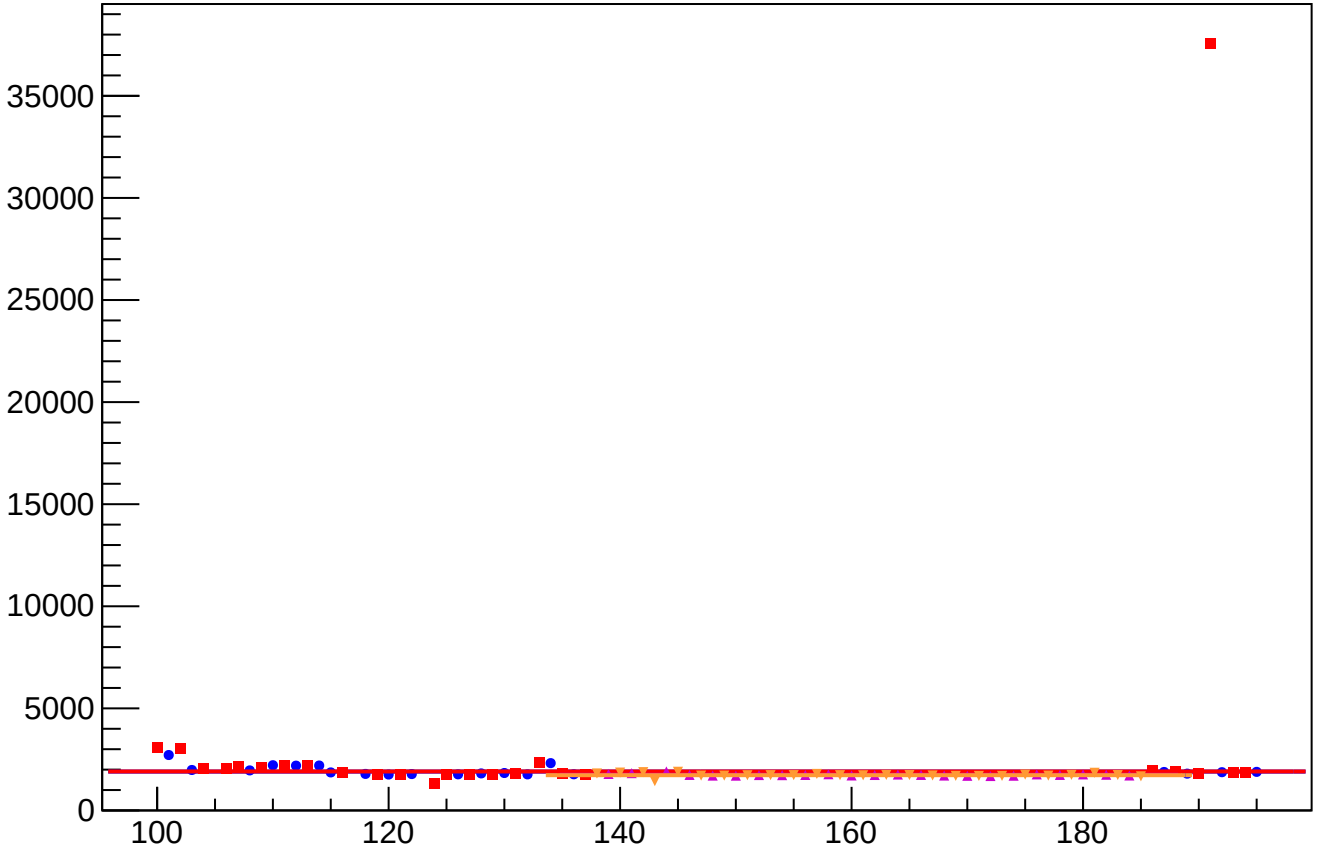
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1603.308+/-330.561 χ^2/NDF: 39.3/44

All: -292.597+/-235.358 χ^2/NDF: 149.5/92

- sign -2241.877+/-335.181 χ^2/NDF: 43.5/47

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

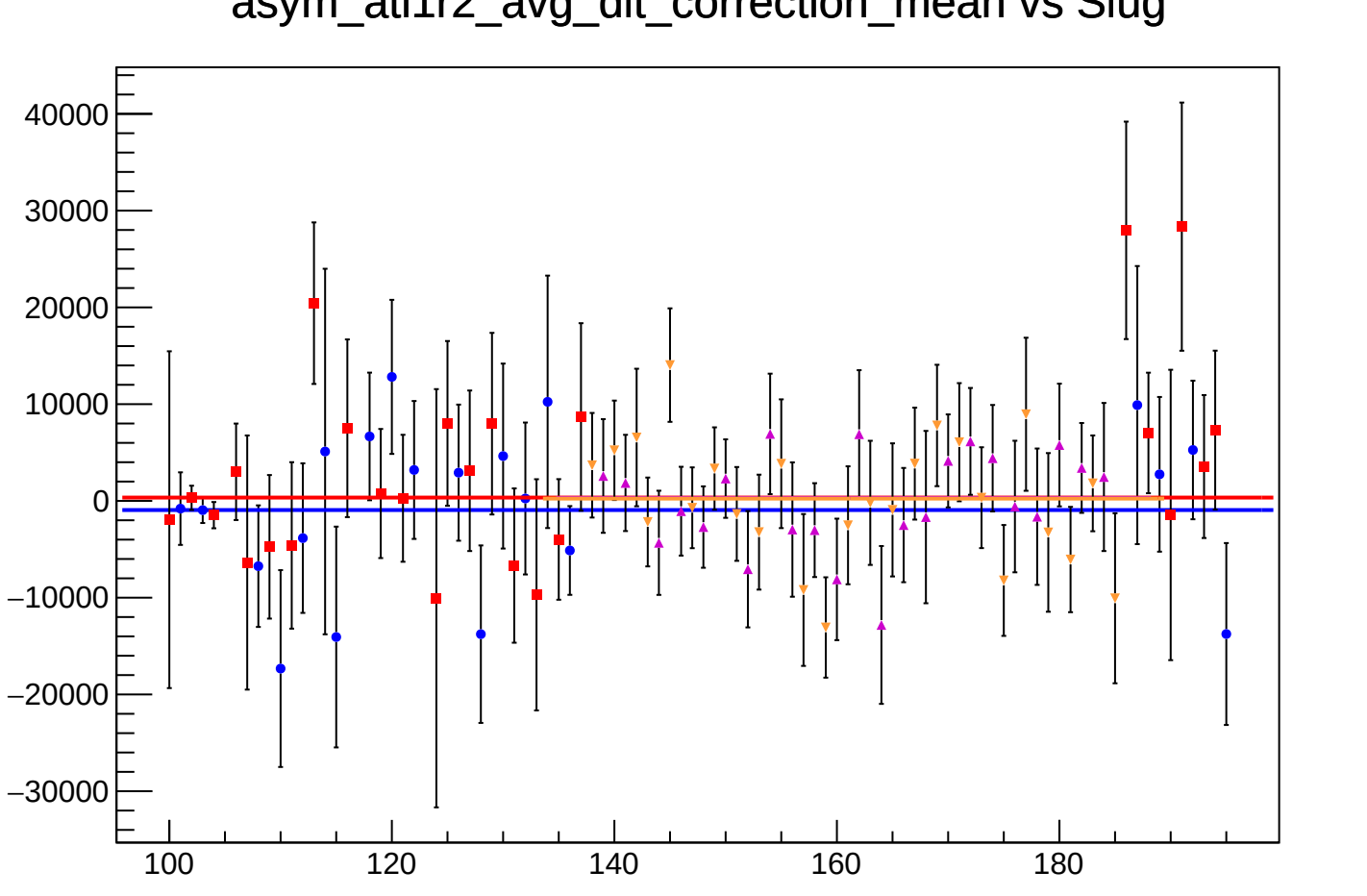
Right Out: 1910.218+/-0.416 χ^2/NDF: 497901.1/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1778.784+/-0.234 χ^2/NDF: 448276.6/44

All: 1788.388+/-0.166 χ^2/NDF: 1083317.9/92

- sign 1798.258+/-0.237 χ^2/NDF: 631618.2/47



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: 345.873+/-813.953 χ^2/NDF: 27.0/24

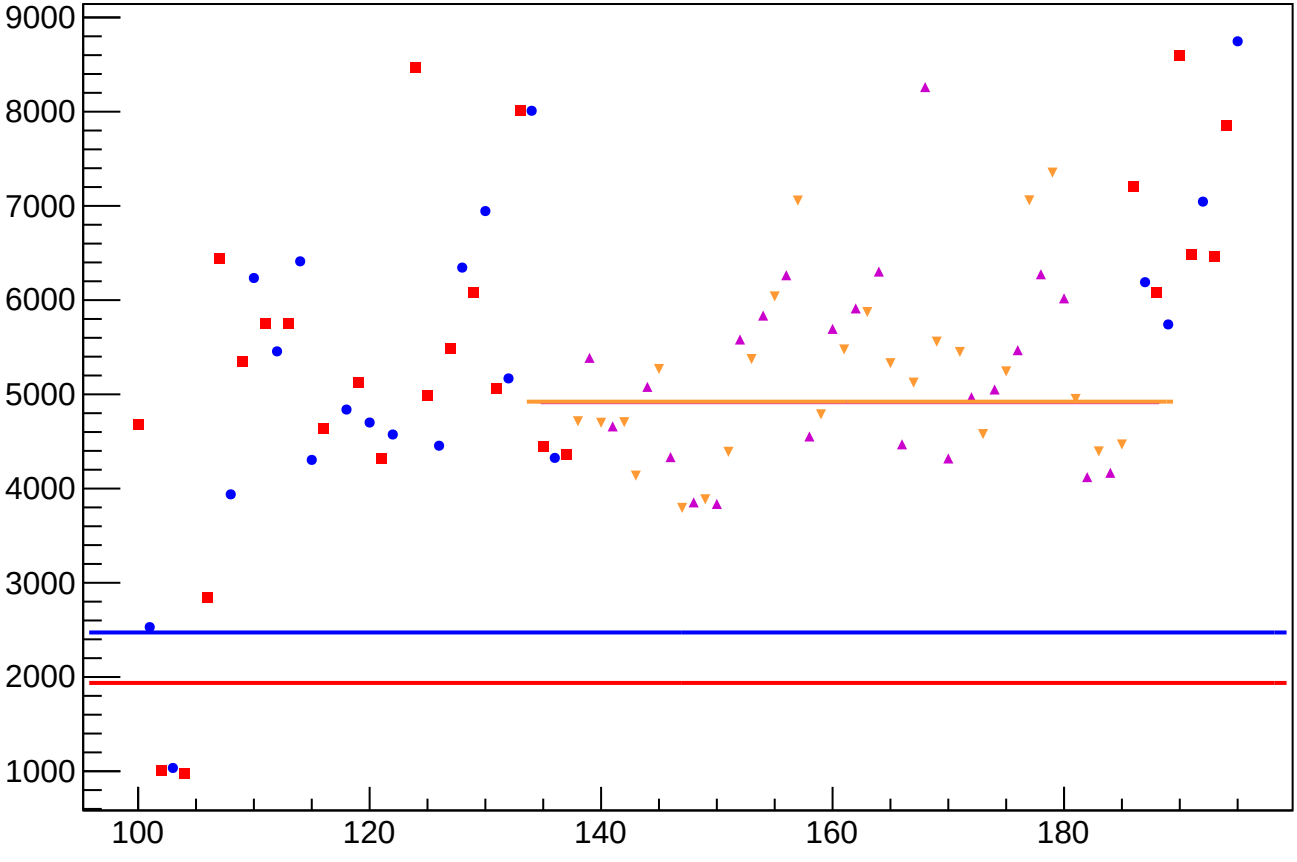
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign -404.225+/-769.456 χ^2/NDF: 44.5/44

All: 15.924+/-504.585 χ^2/NDF: 86.5/92

\- sign 332.919+/-668.357 χ^2/NDF: 41.4/47

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

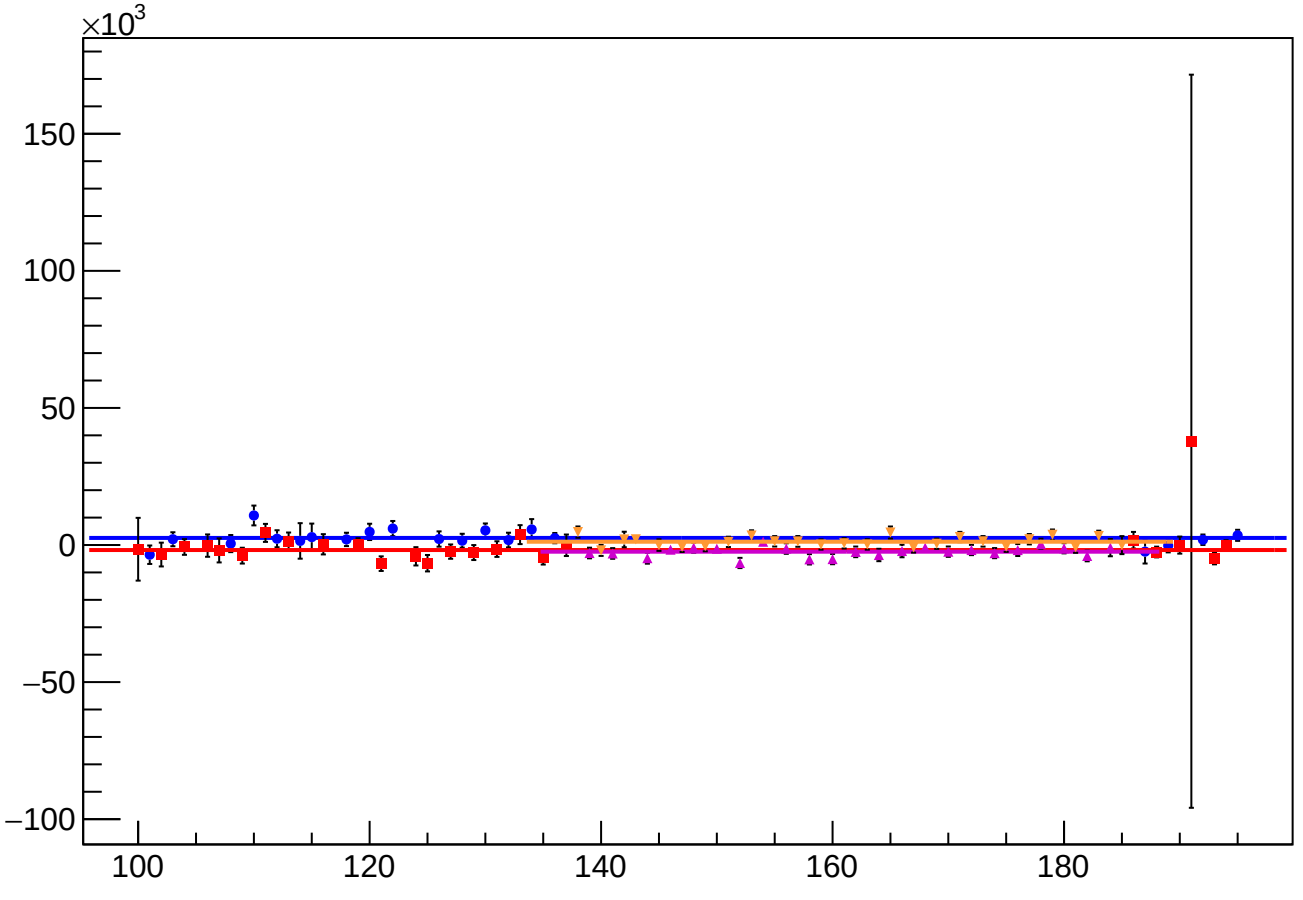
Right Out: 1937.146+/-0.576 χ^2/NDF: 10813099.0/24

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3586.821+/-0.544 χ^2/NDF: 13871925.8/44

All: 3199.819+/-0.357 χ^2/NDF: 35466041.4/9

- sign 2907.833+/-0.473 χ^2/NDF: 20706473.7/47



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: -1831.833+/-589.205 χ^2/NDF: 22.2/24

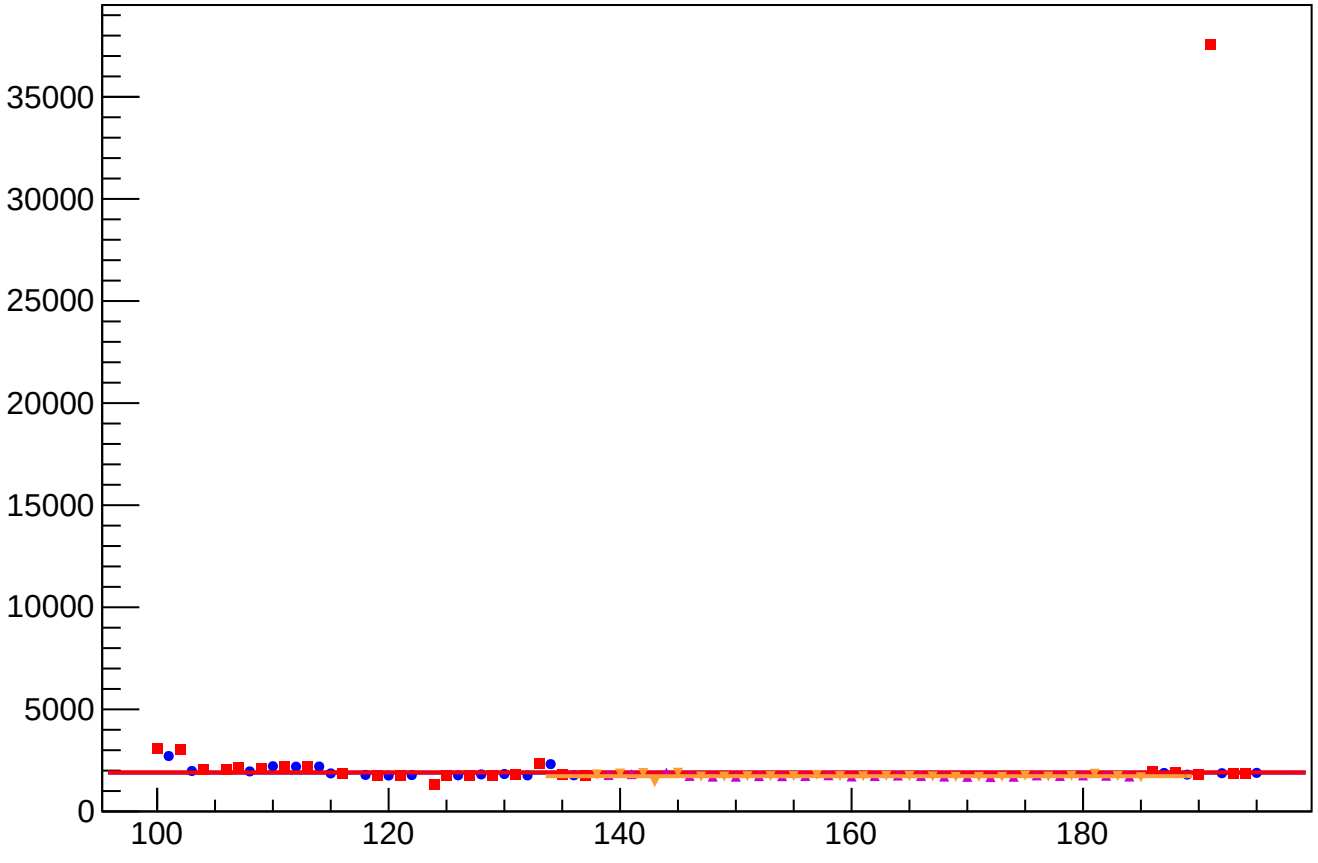
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1603.304+/-330.561 χ^2/NDF: 39.3/44

All: -292.600+/-235.358 χ^2/NDF: 149.5/92

- sign -2241.878+/-335.181 χ^2/NDF: 43.5/47

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

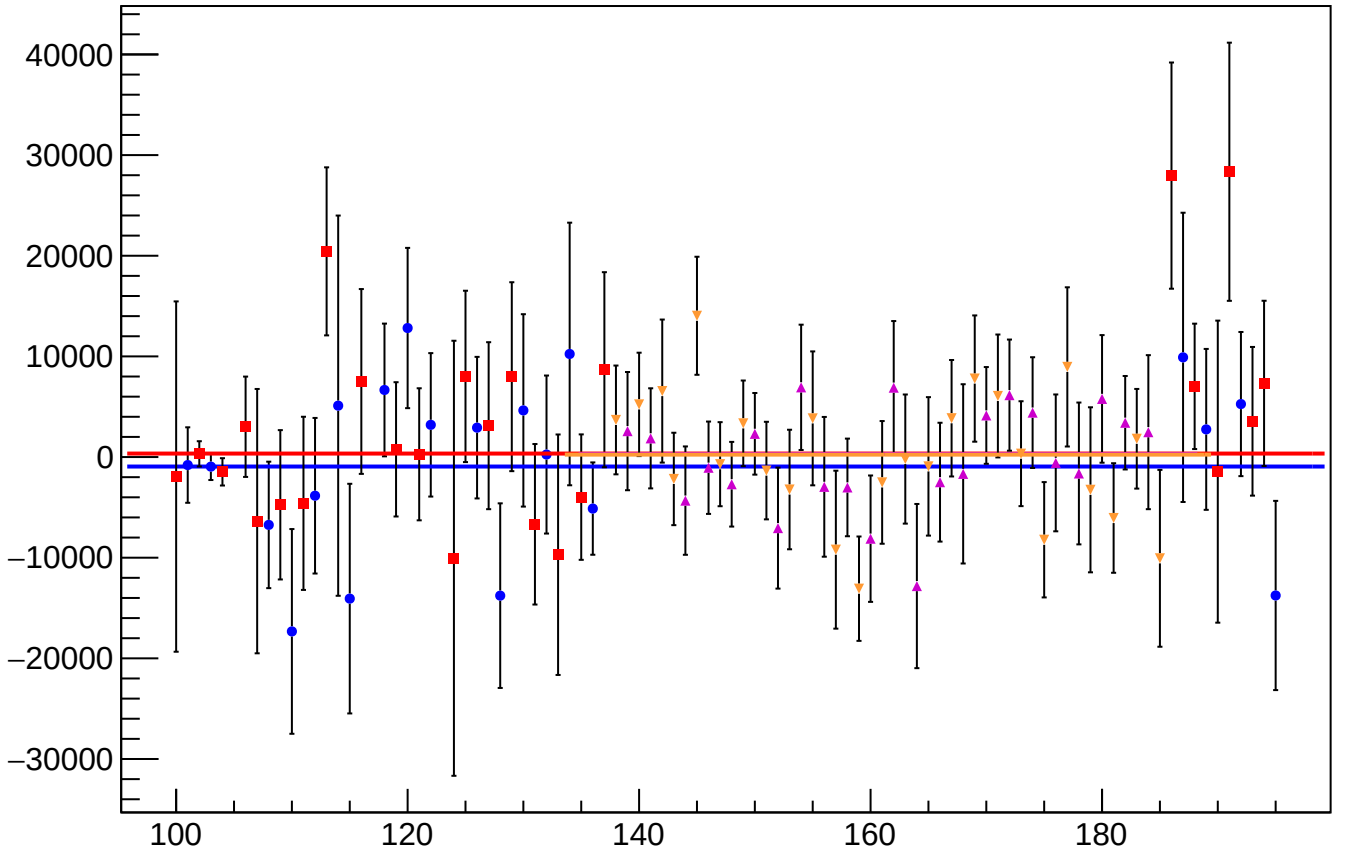
Right Out: 1910.217+/-0.416 χ^2/NDF: 497900.0/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1778.784+/-0.234 χ^2/NDF: 448273.8/44

All: 1788.388+/-0.166 χ^2/NDF: 1083312.7/92

- sign 1798.258+/-0.237 χ^2/NDF: 631615.8/47



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: 345.878+/-813.952 χ^2/NDF: 27.0/24

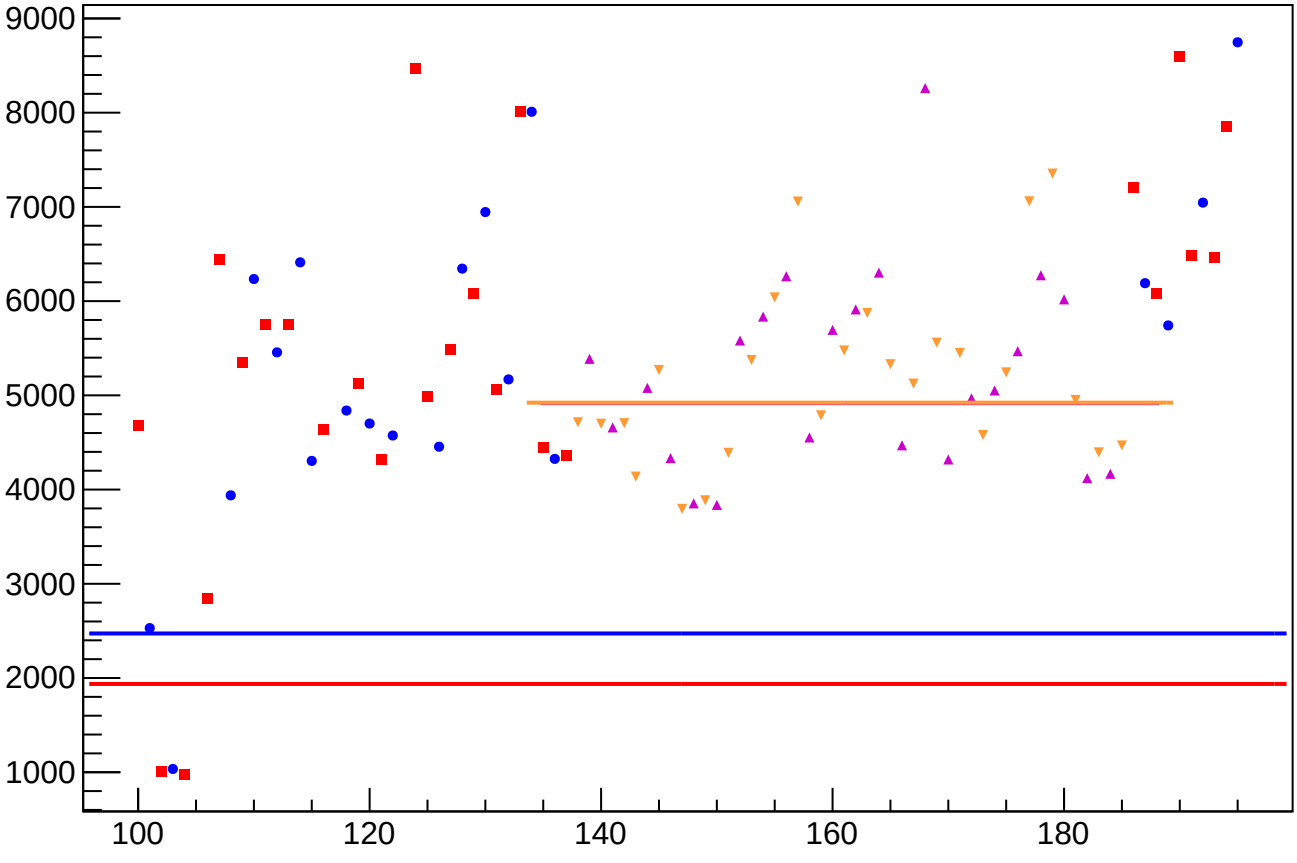
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -404.226+/-769.457 χ^2/NDF: 44.5/44

All: 15.926+/-504.585 χ^2/NDF: 86.5/92

- sign 332.923+/-668.357 χ^2/NDF: 41.4/47

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: 1937.146+/-0.576 χ^2/NDF: 10813091.7/24

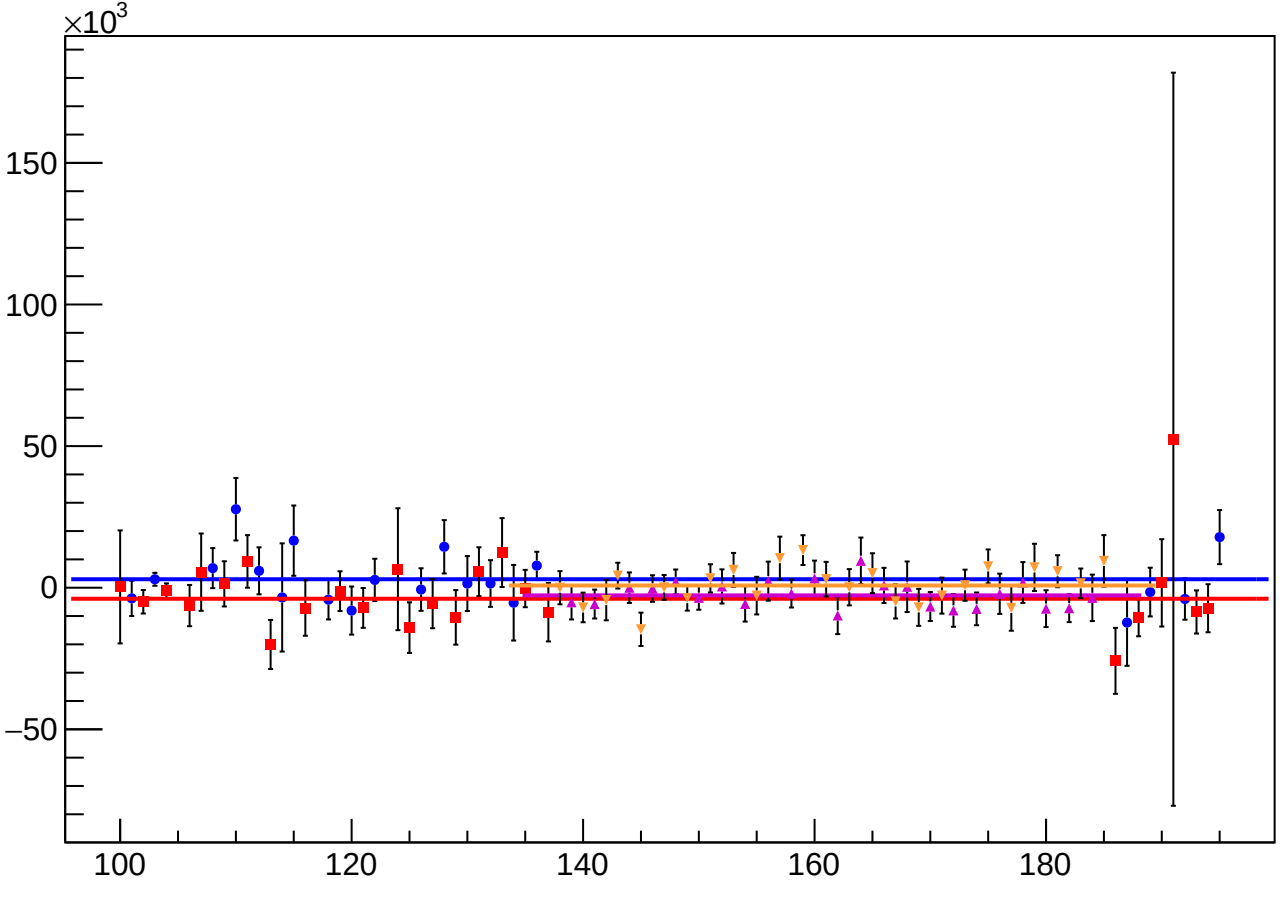
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3586.821+/-0.544 χ^2/NDF: 13871956.1/44

All: 3199.818+/-0.357 χ^2/NDF: 35466102.0/9

- sign 2907.832+/-0.473 χ^2/NDF: 20706502.0/47

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: -3896.334+/-1441.255 χ^2/NDF: 19.3/24

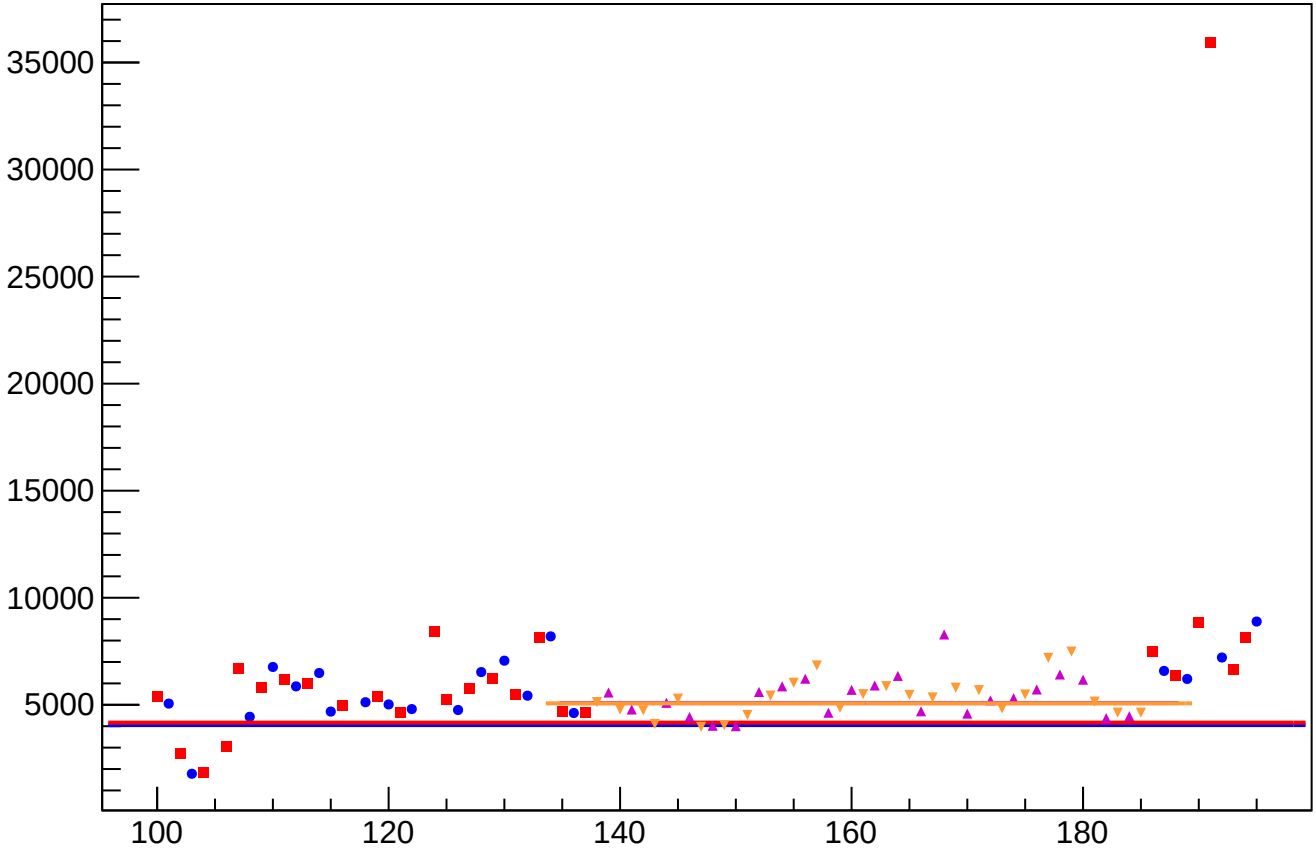
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1652.546+/-913.800 χ^2/NDF: 47.4/44

All: -742.137+/-650.090 χ^2/NDF: 92.9/92

- sign -3196.073+/-925.036 χ^2/NDF: 31.6/47

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: 4168.297+/-1.010 χ^2/NDF: 4215810.8/24

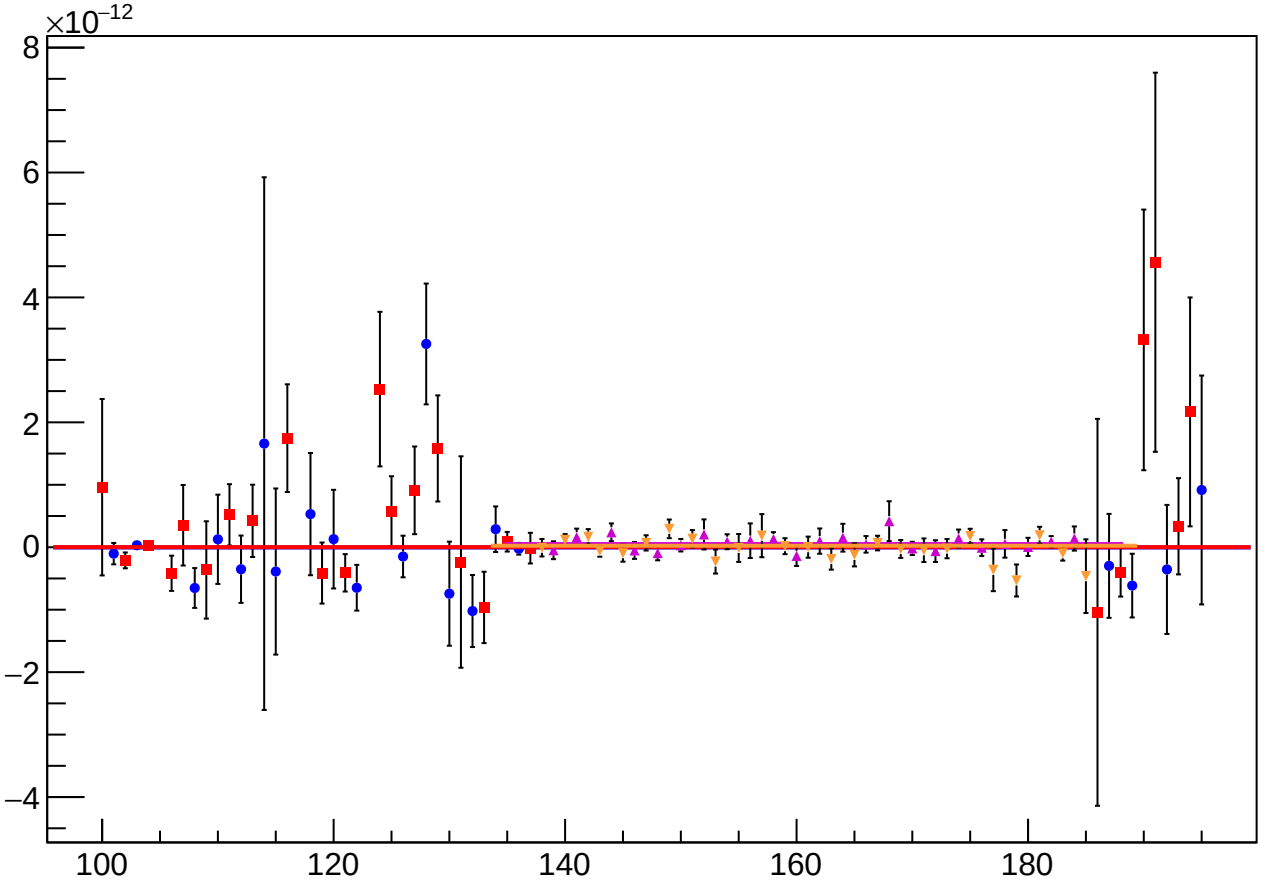
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4669.891+/-0.646 χ^2/NDF: 5602469.7/44

All: 4685.030+/-0.459 χ^2/NDF: 11295761.3/9

- sign 4700.431+/-0.652 χ^2/NDF: 5692184.3/47

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

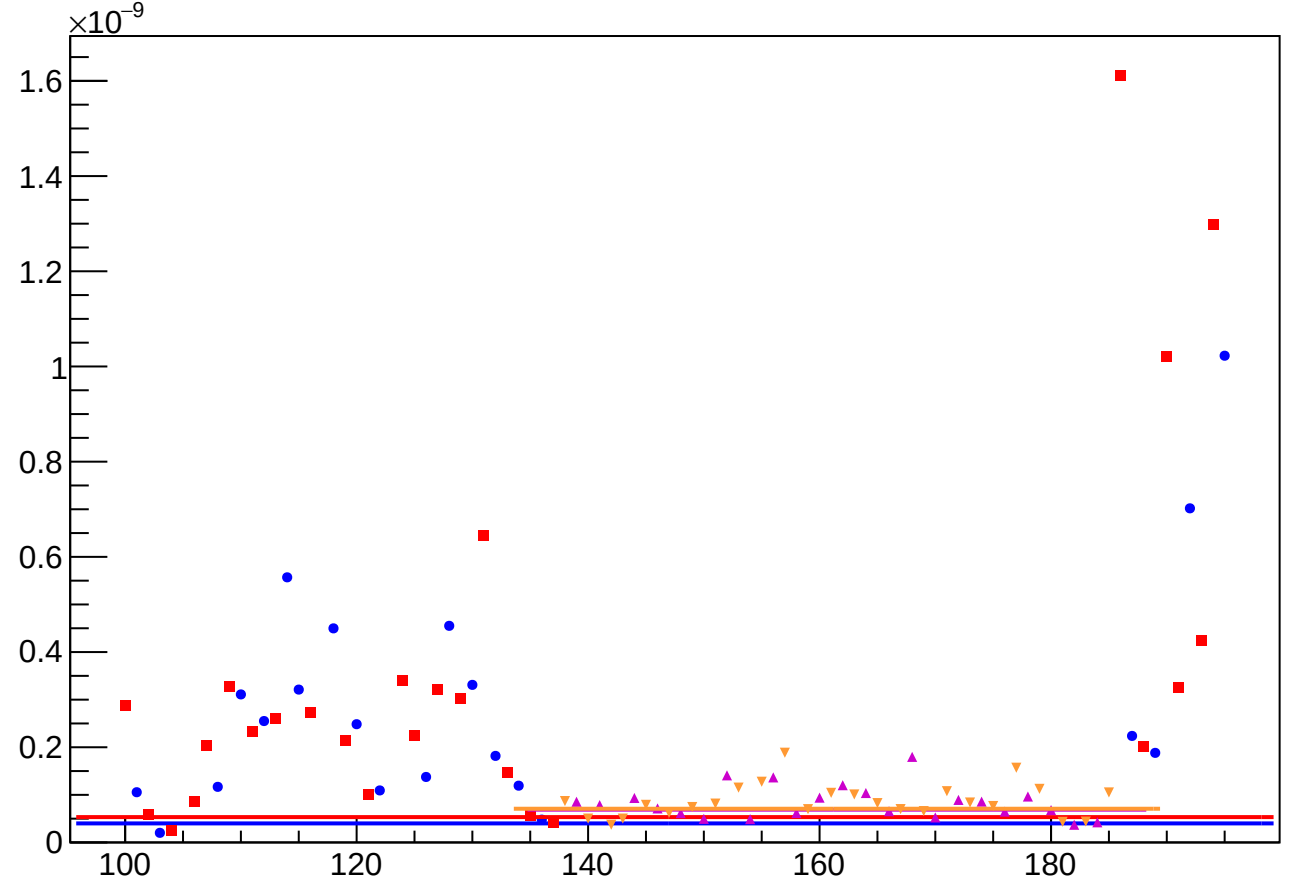
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/24

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: 99.4/92

- sign 0.000+/-0.000 χ^2/NDF: 47.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 4811350.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542894.7/24

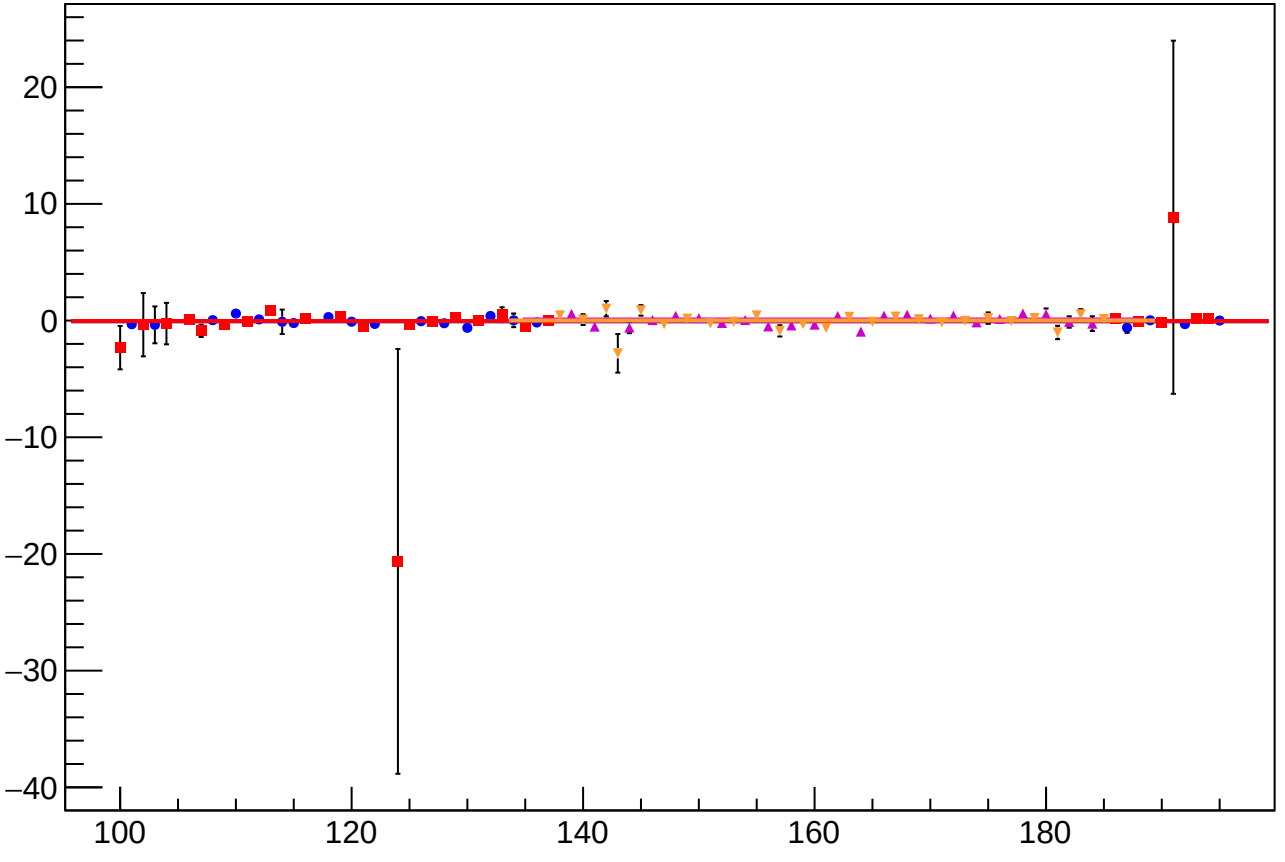
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7187443.3/44

All: 0.000+/-0.000 χ^2/NDF: 14384232.8/92

- sign 0.000+/-0.000 χ^2/NDF: 7146436.8/47

asym_atl1r2_avg_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: -0.038+/-0.057 χ^2/NDF: 26.9/24

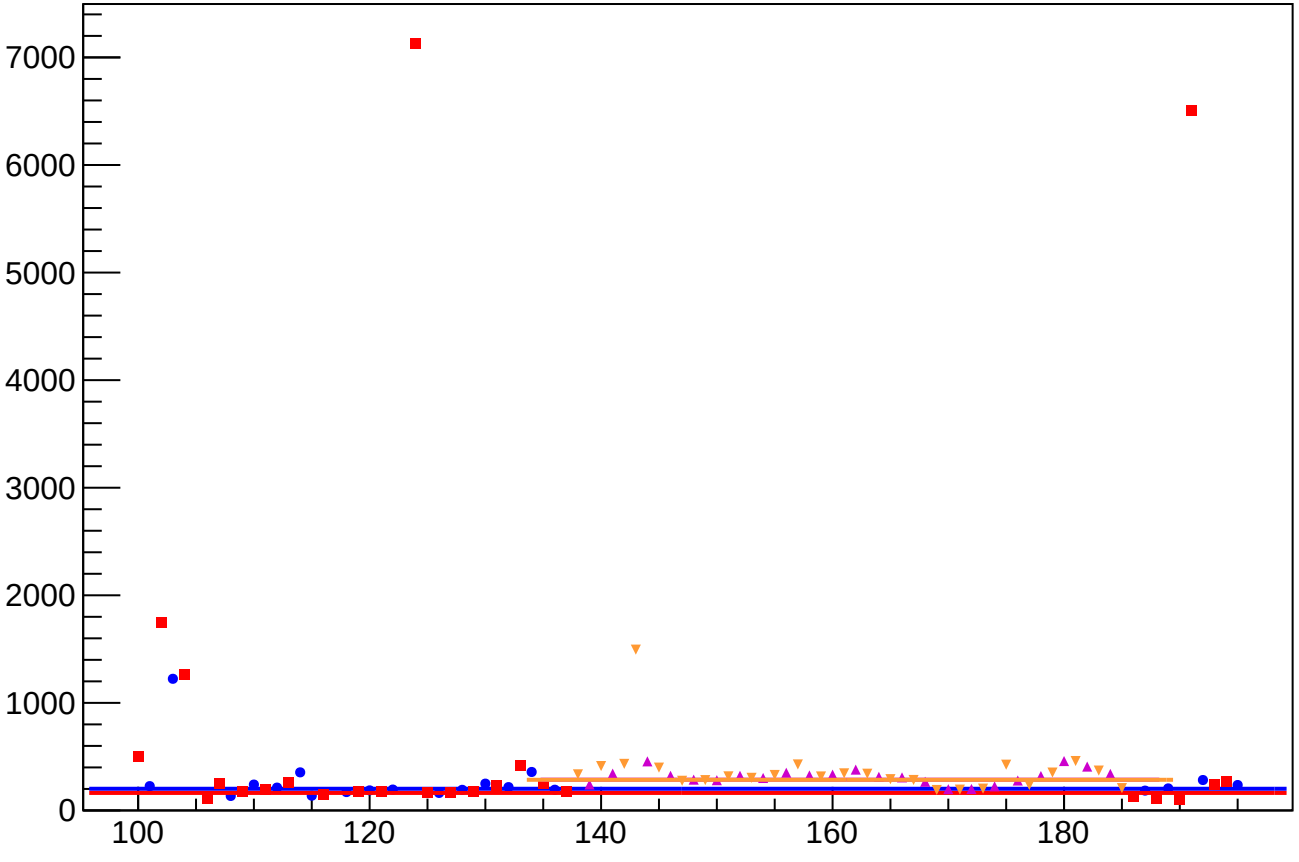
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.004+/-0.033 χ^2/NDF: 103.2/92

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

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: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

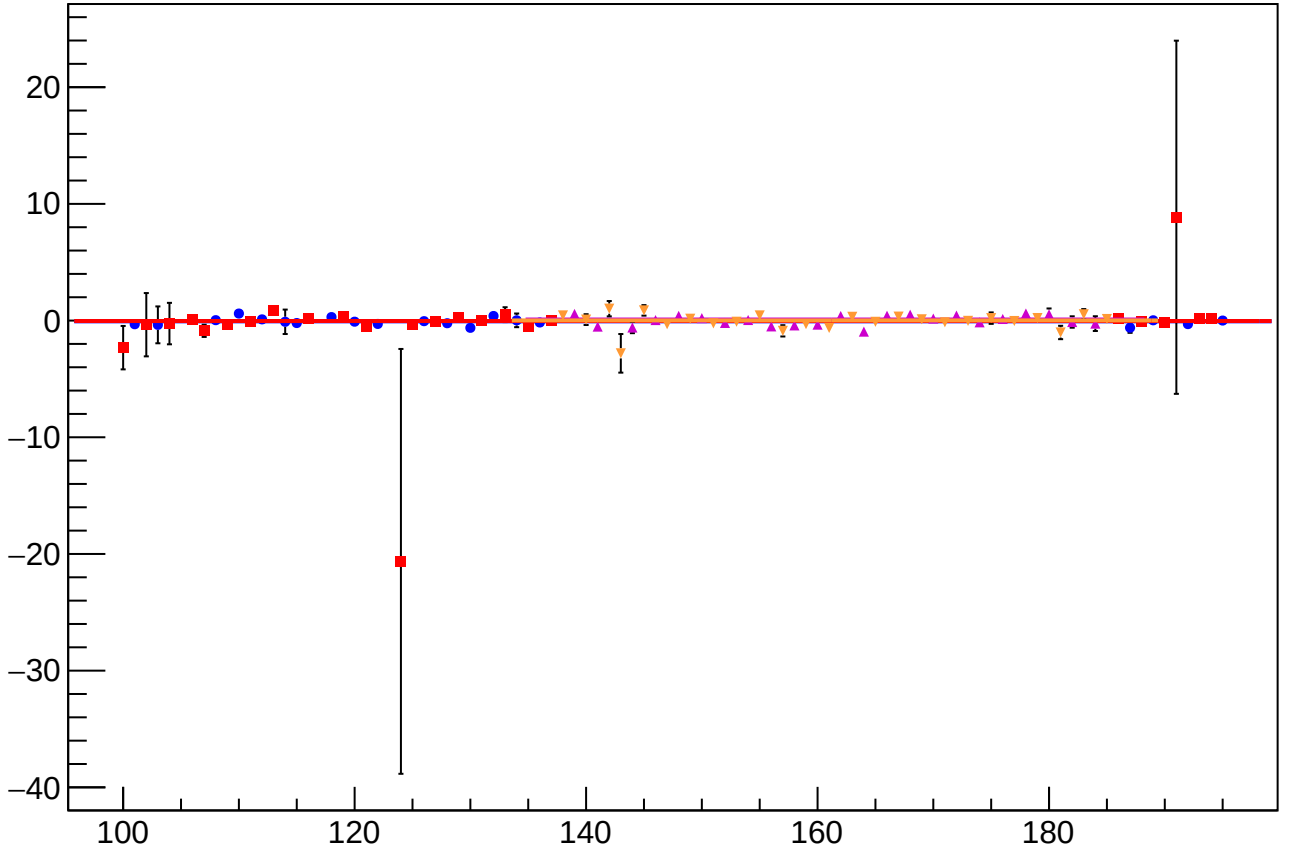
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463208.8/44

All: 225.676+/-0.023 χ^2/NDF: 16450998.7/92

- sign 211.541+/-0.031 χ^2/NDF: 9532614.9/47

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: -0.038+/-0.057 χ^2/NDF: 26.9/24

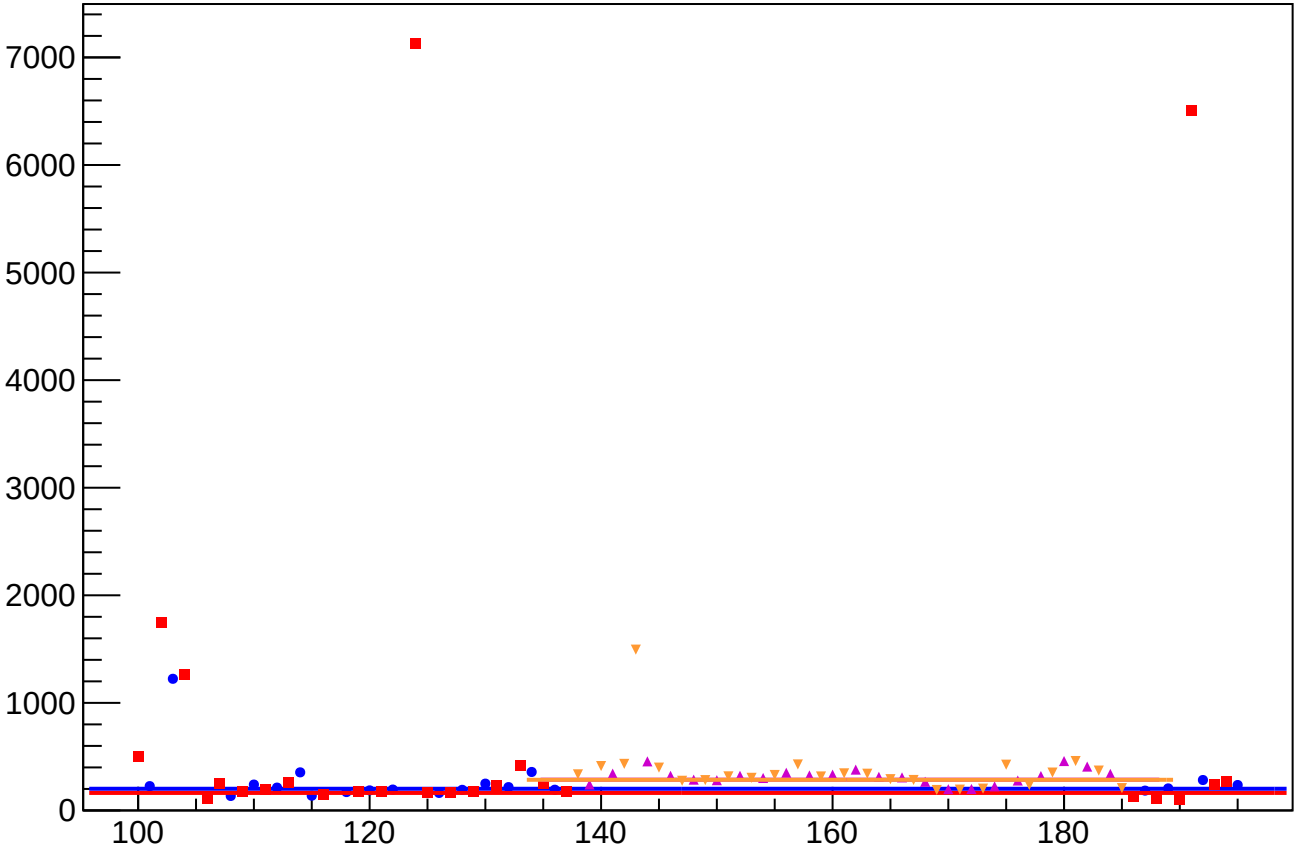
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.004+/-0.033 χ^2/NDF: 103.2/92

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

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

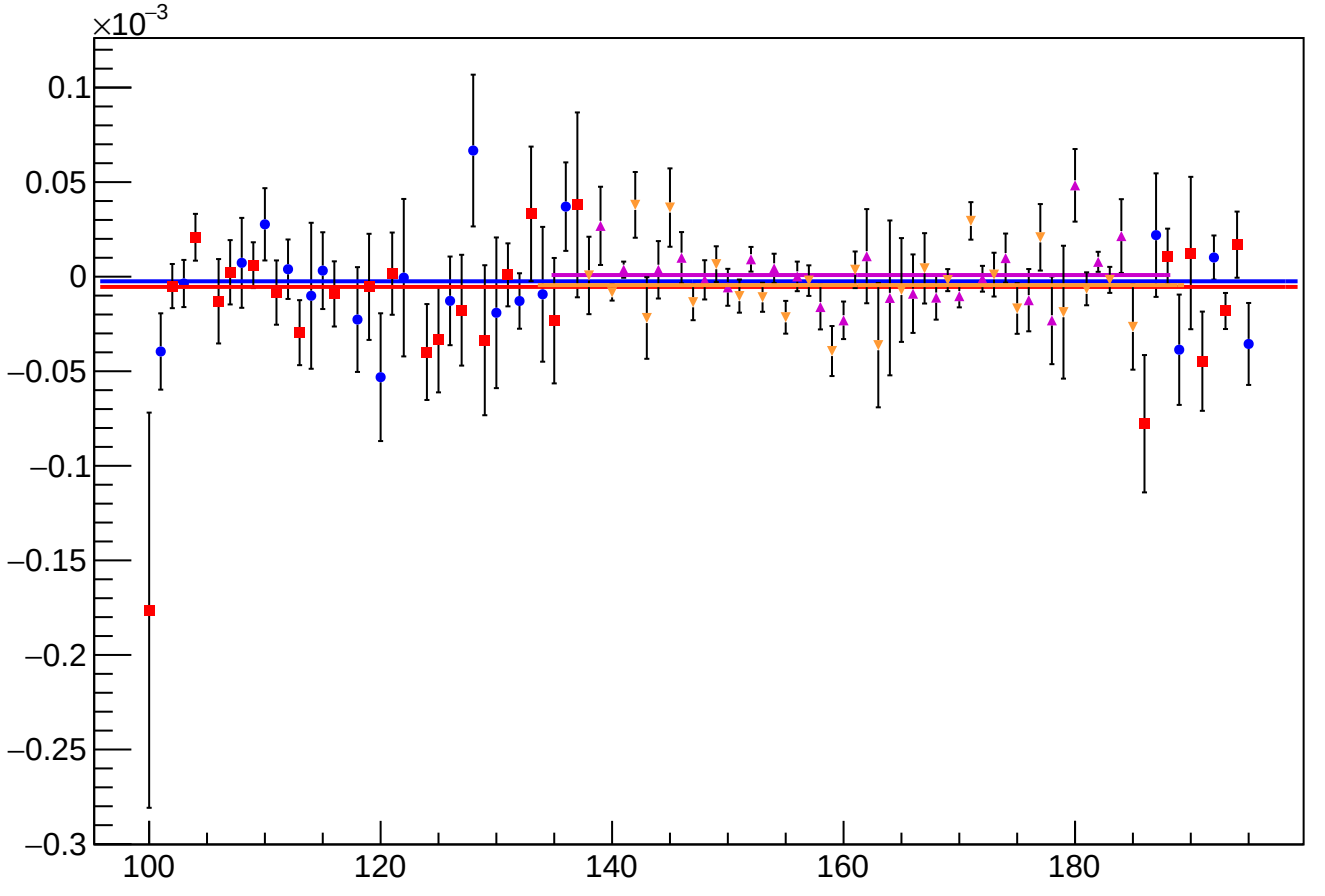
Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463208.8/44

All: 225.676+/-0.023 χ^2/NDF: 16450998.7/92

- sign 211.541+/-0.031 χ^2/NDF: 9532614.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

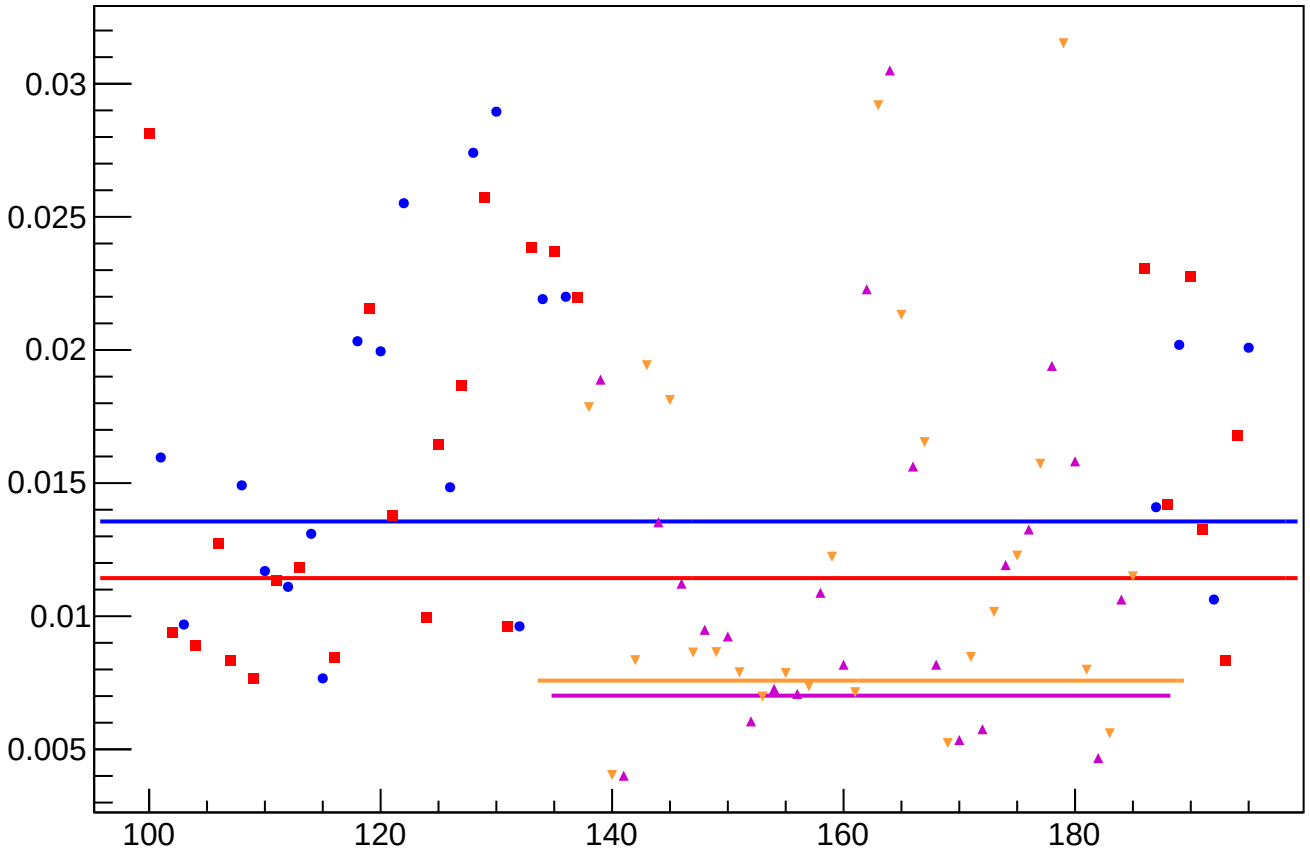
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/24

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: 126.5/92

- sign -0.000+/-0.000 χ^2/NDF: 58.7/47



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: 0.011+/-0.000 χ^2/NDF: 2736380.1/24

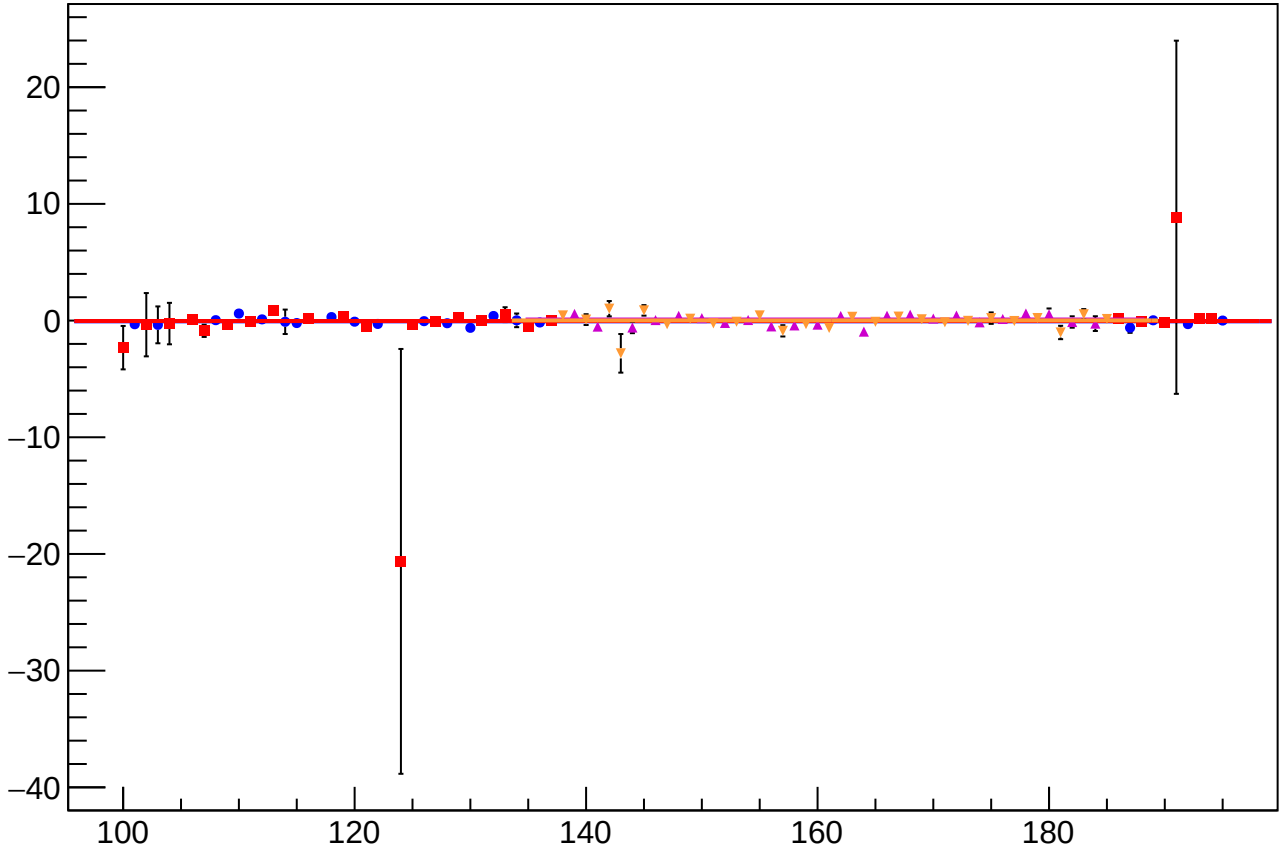
Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 12390332.8/44

All: 0.008+/-0.000 χ^2/NDF: 24185258.2/92

- sign 0.008+/-0.000 χ^2/NDF: 11699500.4/47

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: -0.038+/-0.057 χ^2/NDF: 26.9/24

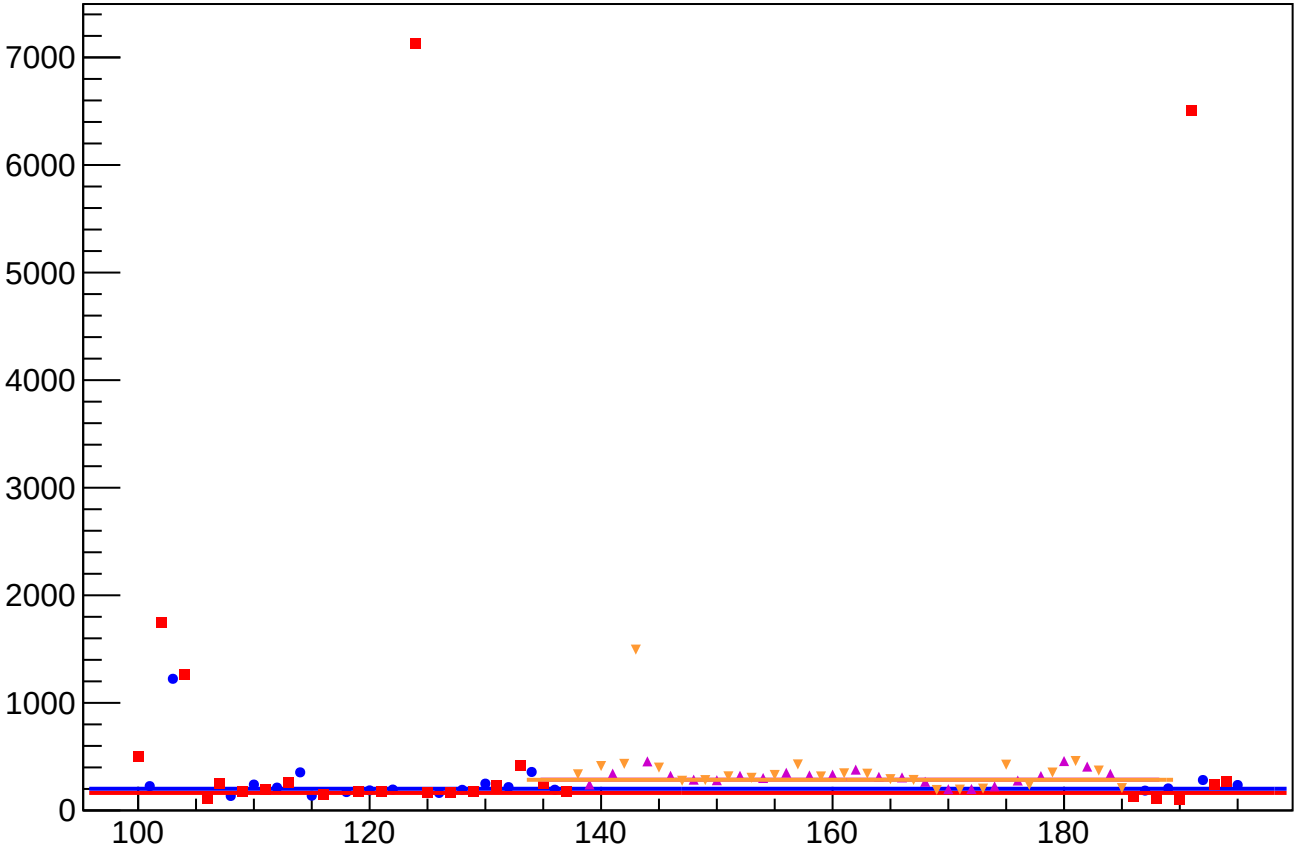
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.004+/-0.033 χ^2/NDF: 103.2/92

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 201.647+/-0.049 χ^2/NDF: 1623076.7/19

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

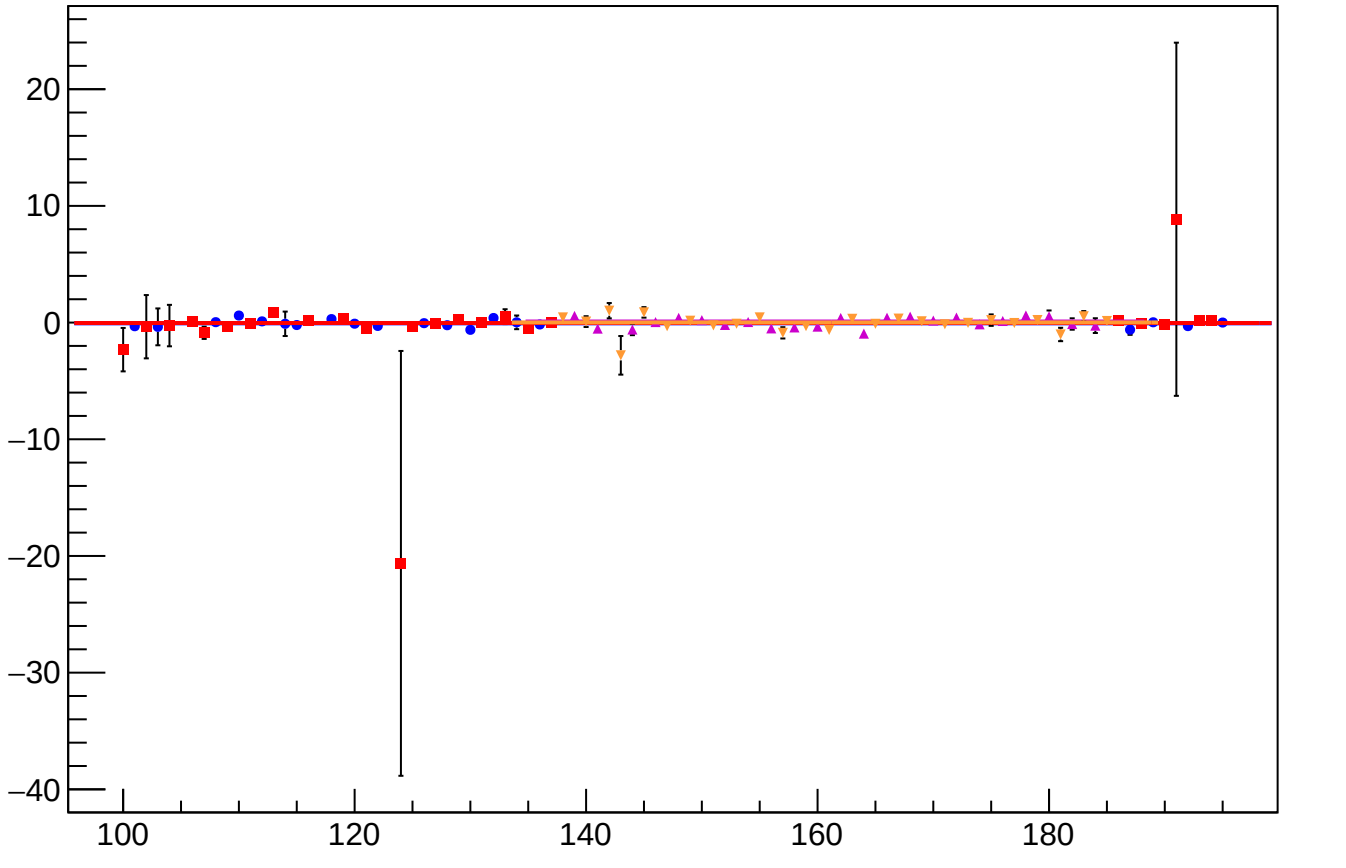
Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463376.5/44

All: 225.675+/-0.023 χ^2/NDF: 16451678.6/92

- sign 211.539+/-0.031 χ^2/NDF: 9533068.6/47



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

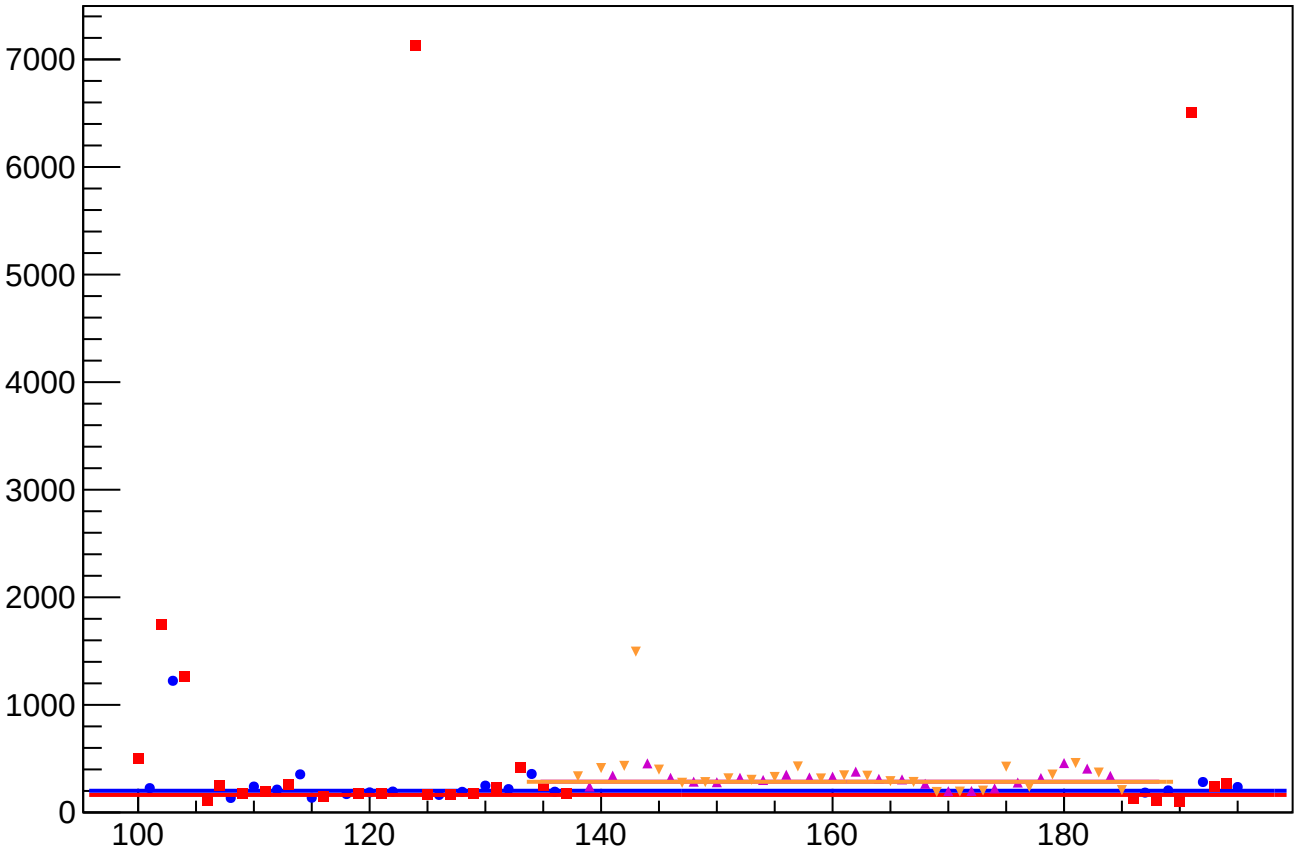
Right Out: -0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.049 χ^2/NDF: 43.1/44

All: -0.004+/-0.033 χ^2/NDF: 103.2/92

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47



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: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

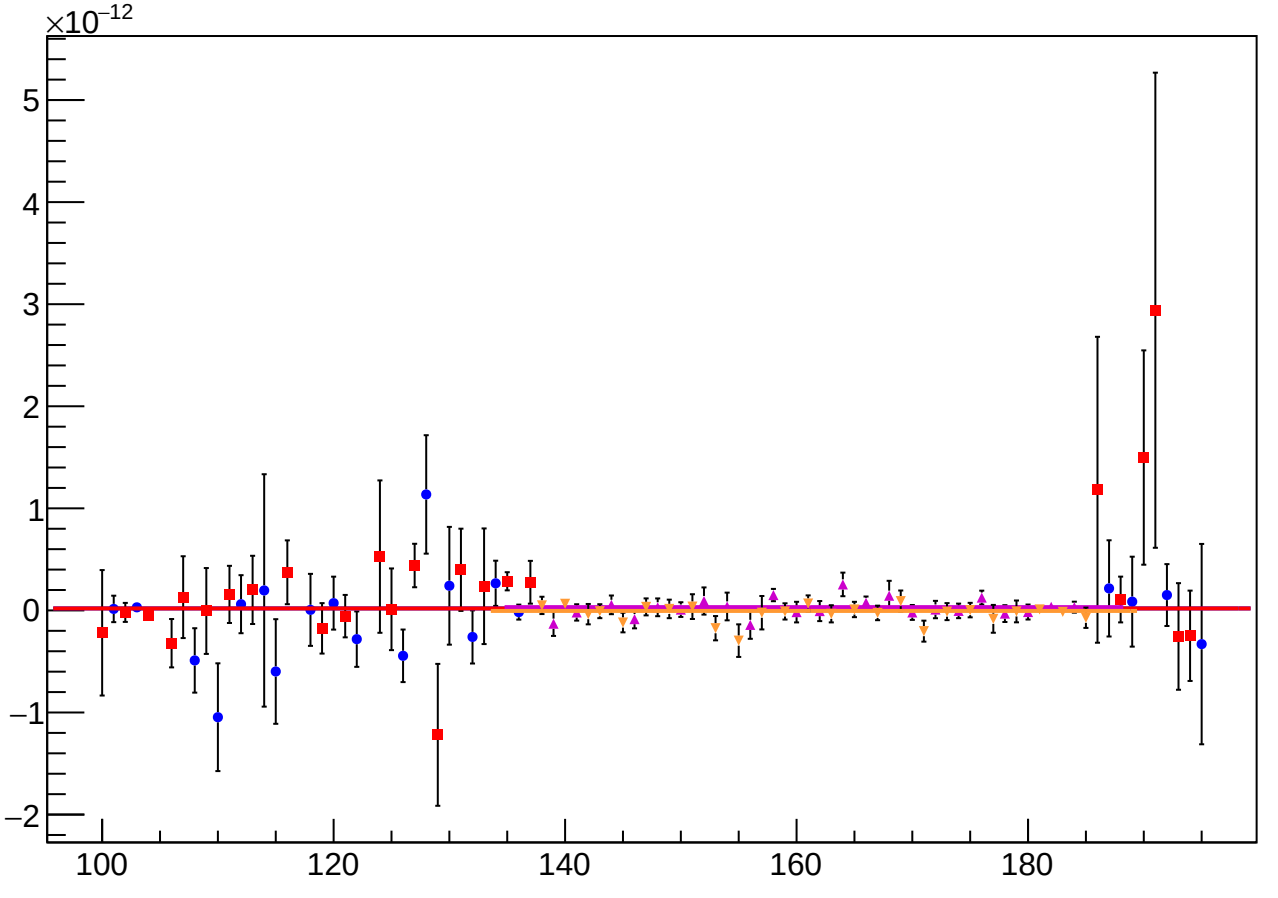
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.146+/-0.035 χ^2/NDF: 6463376.5/44

All: 225.675+/-0.023 χ^2/NDF: 16451678.6/92

- sign 211.539+/-0.031 χ^2/NDF: 9533068.6/47

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

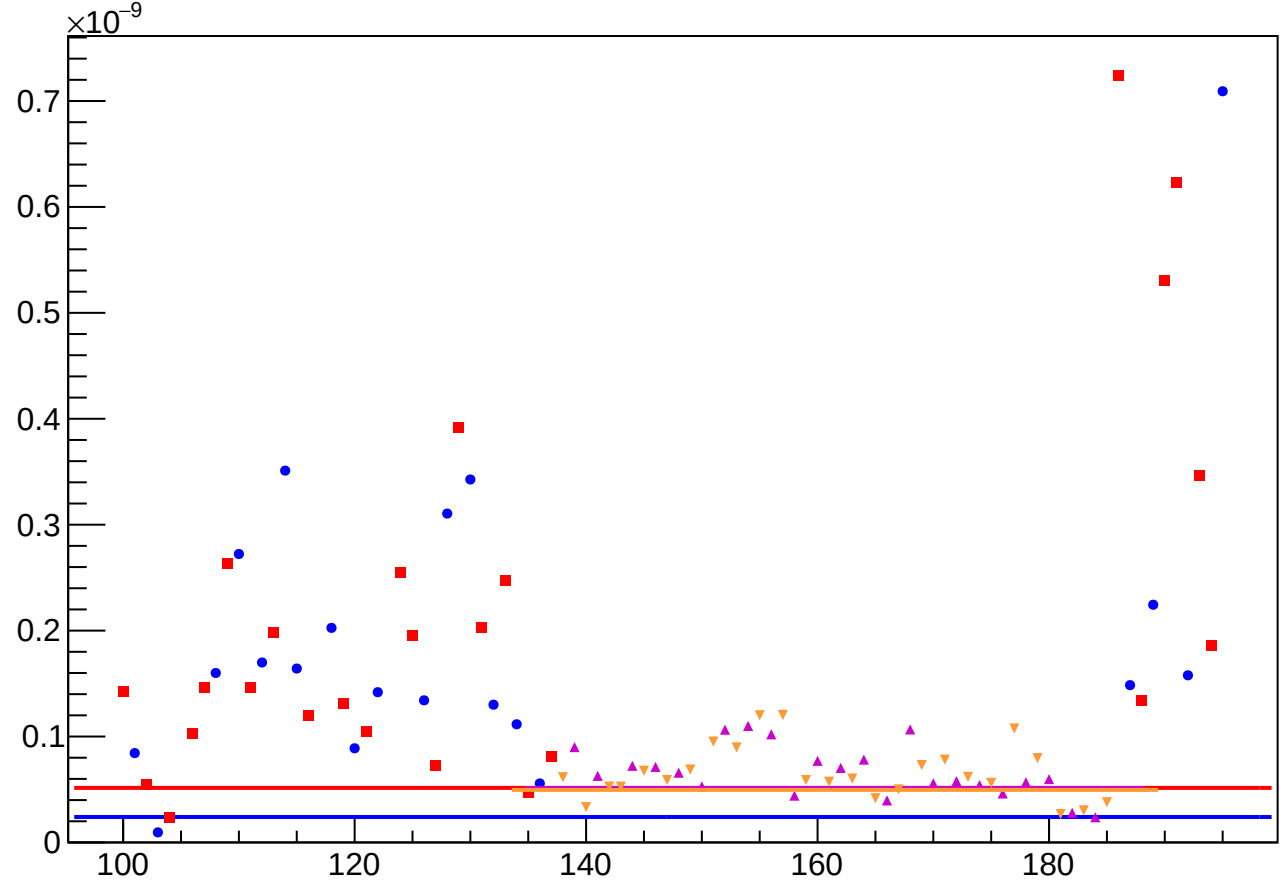
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

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: 90.3/92

- sign 0.000+/-0.000 χ^2/NDF: 51.0/47



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: 6302397.4/24

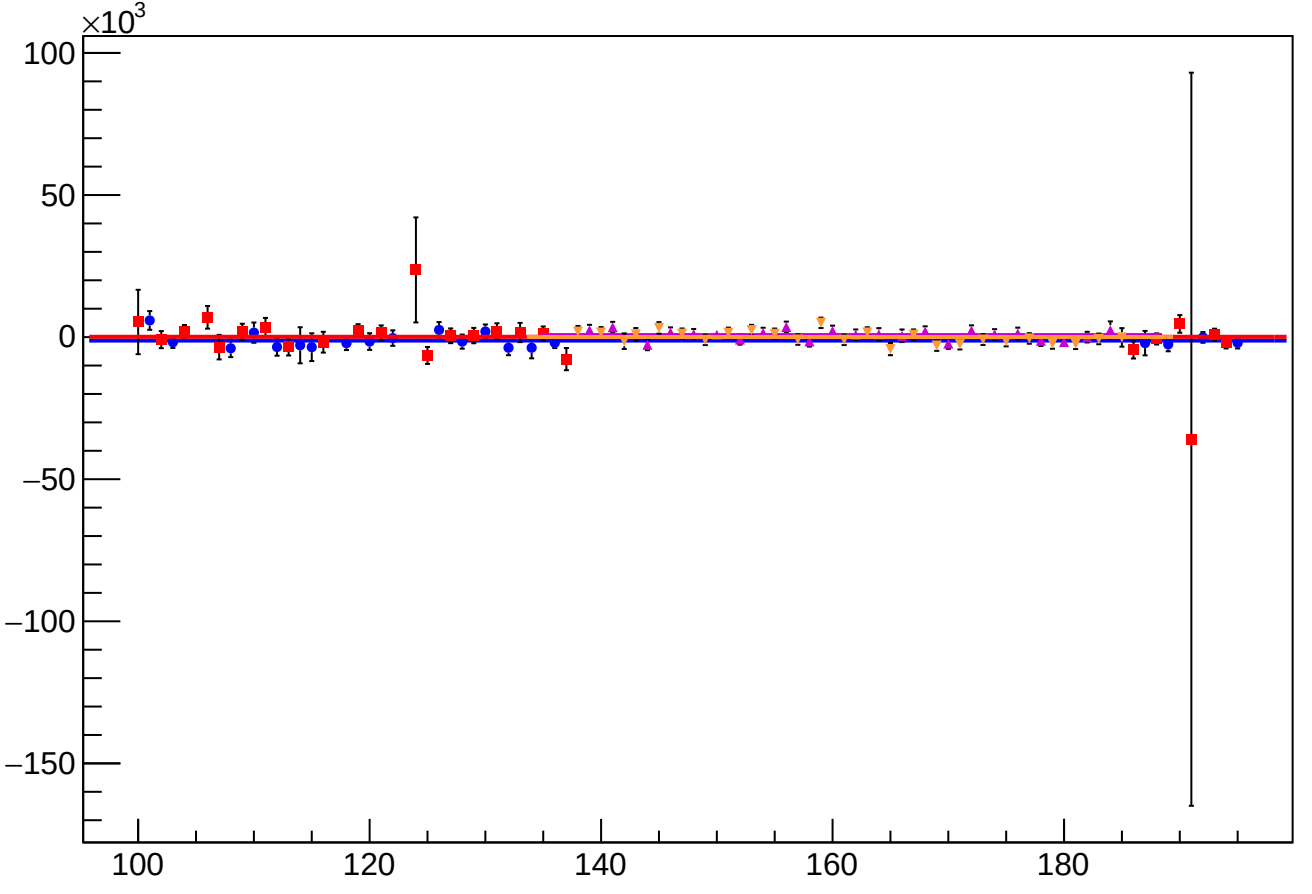
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14244356.5/44

All: 0.000+/-0.000 χ^2/NDF: 24881528.6/92

- sign 0.000+/-0.000 χ^2/NDF: 9962130.7/47

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: 131.232+/-579.240 χ^2/NDF: 26.4/24

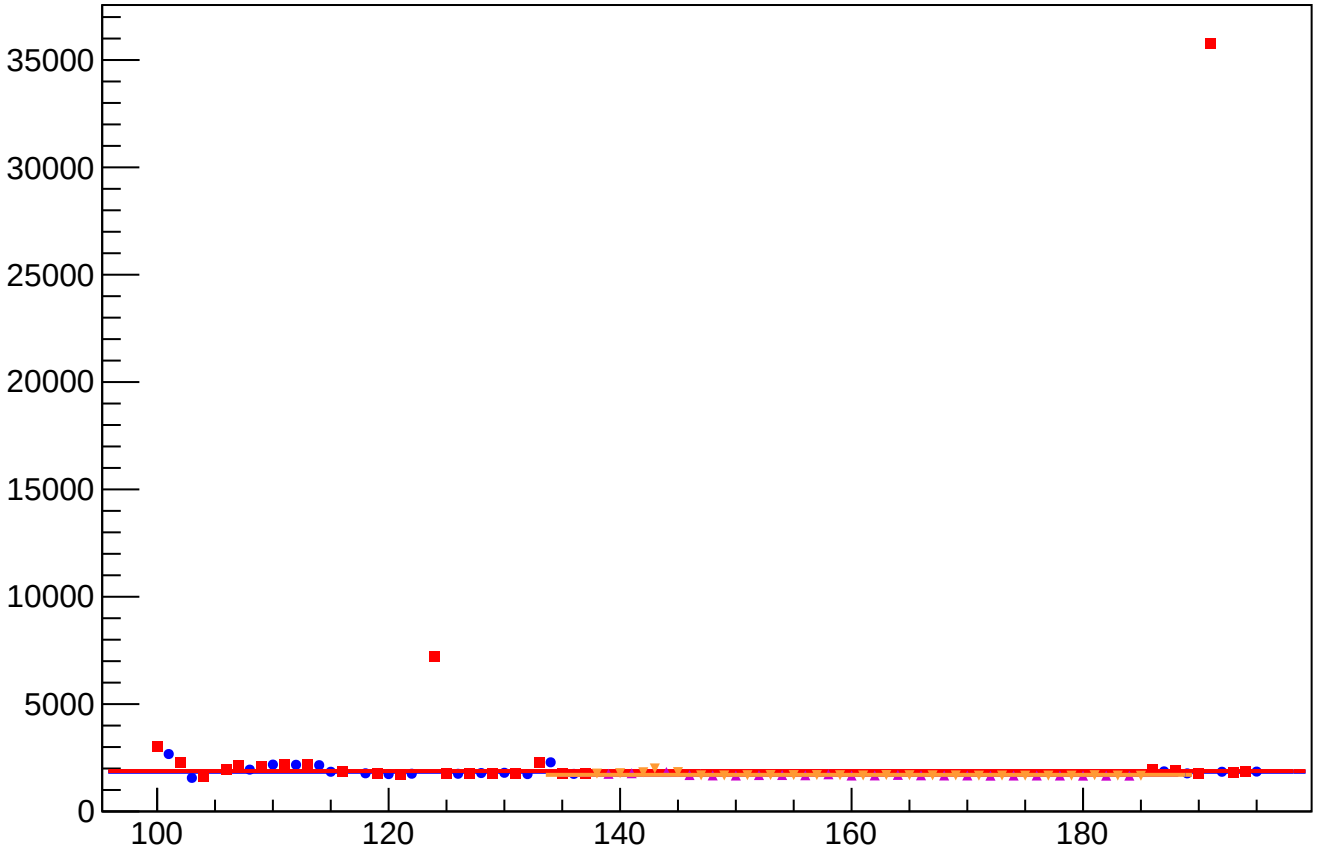
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -346.150+/-324.599 χ^2/NDF: 45.6/44

All: 89.398+/-230.426 χ^2/NDF: 95.4/92

\- sign 531.841+/-327.159 χ^2/NDF: 46.2/47

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: 1882.796+/-0.409 χ^2/NDF: 510205.4/24

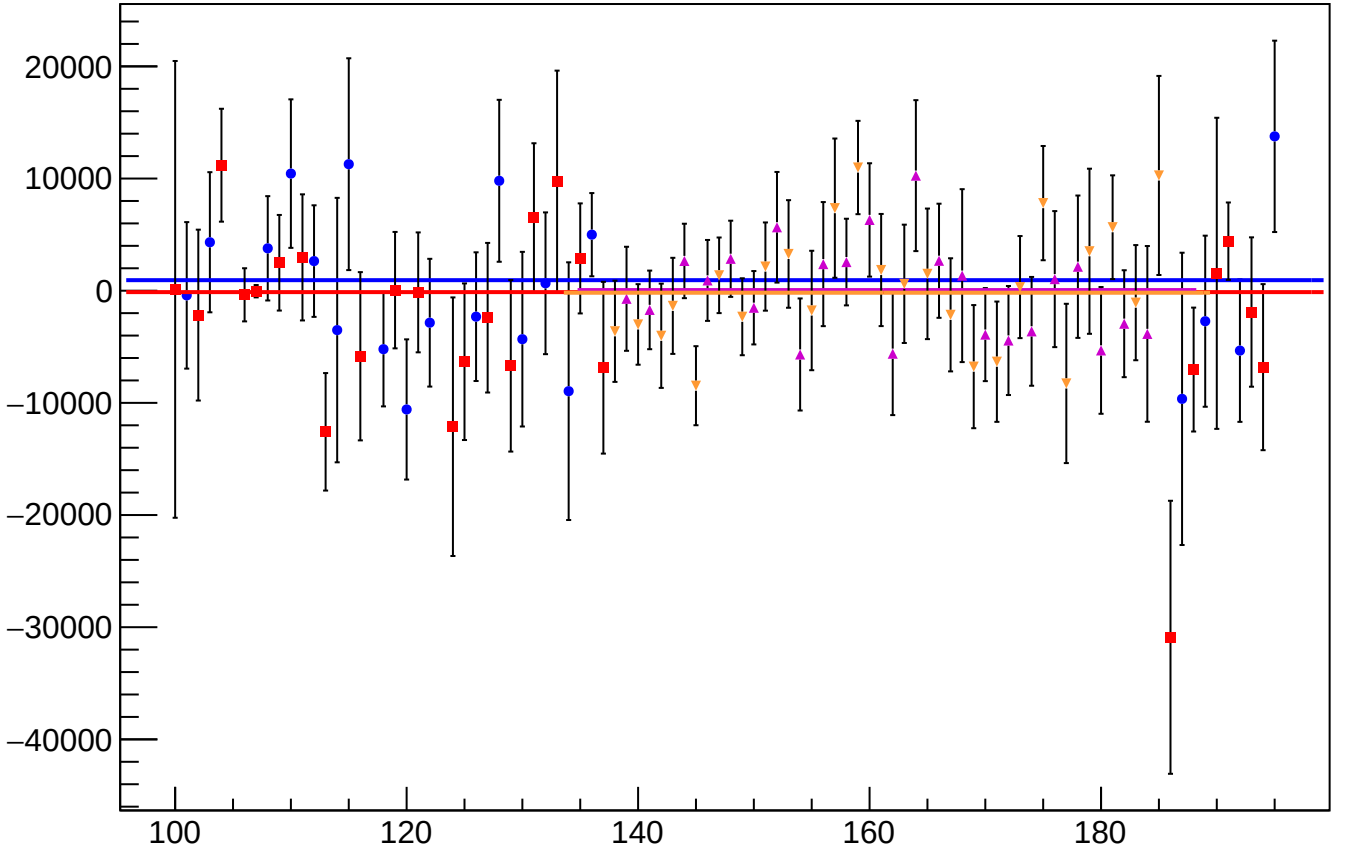
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.9/44

All: 1752.318+/-0.163 χ^2/NDF: 1073260.0/92

- sign 1756.746+/-0.231 χ^2/NDF: 671002.9/47

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: -125.467+/-495.078 χ^2/NDF: 28.5/24

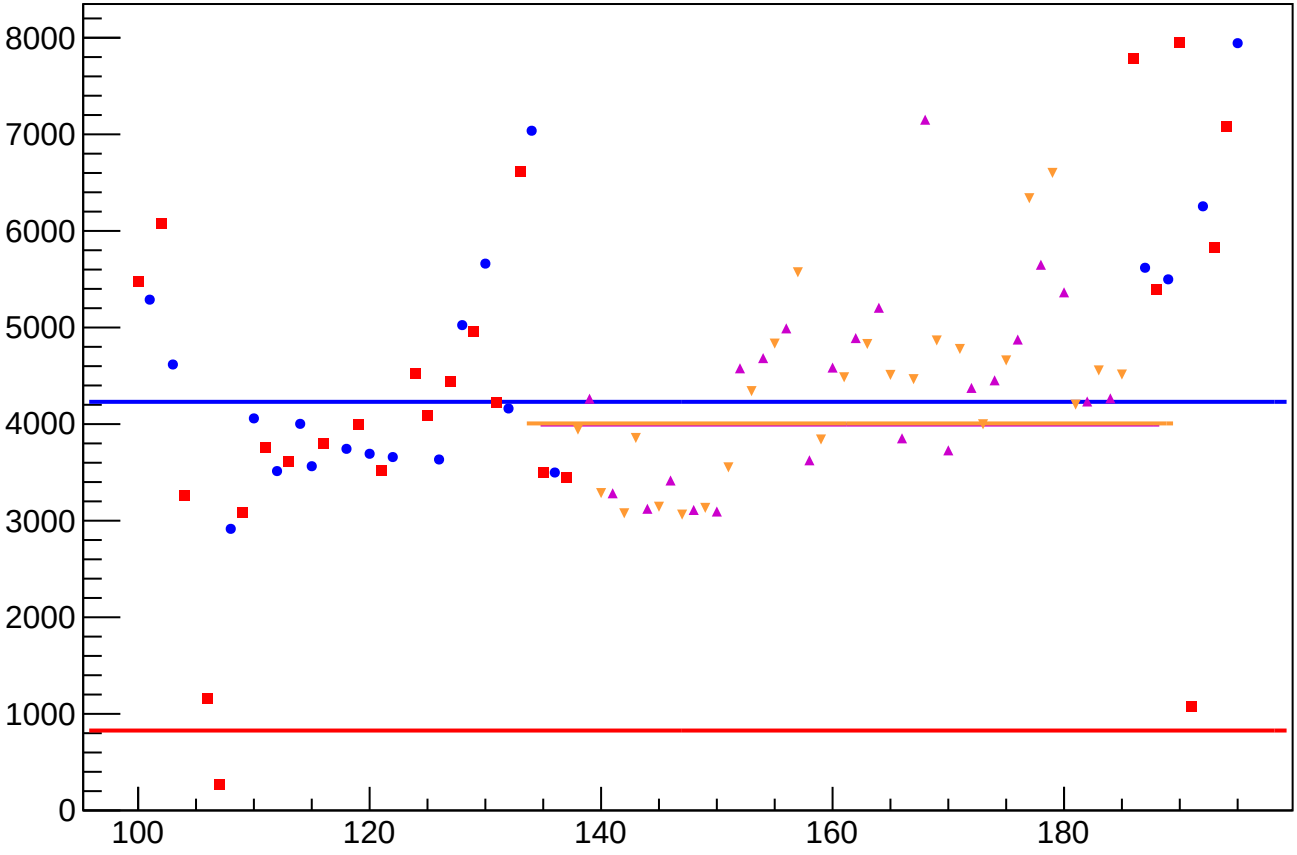
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

\+ sign 165.738+/-778.898 χ^2/NDF: 46.3/44

All: -25.947+/-382.877 χ^2/NDF: 89.2/92

\- sign -87.022+/-439.663 χ^2/NDF: 42.8/47

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: 827.427+/-0.350 χ^2/NDF: 15847718.3/24

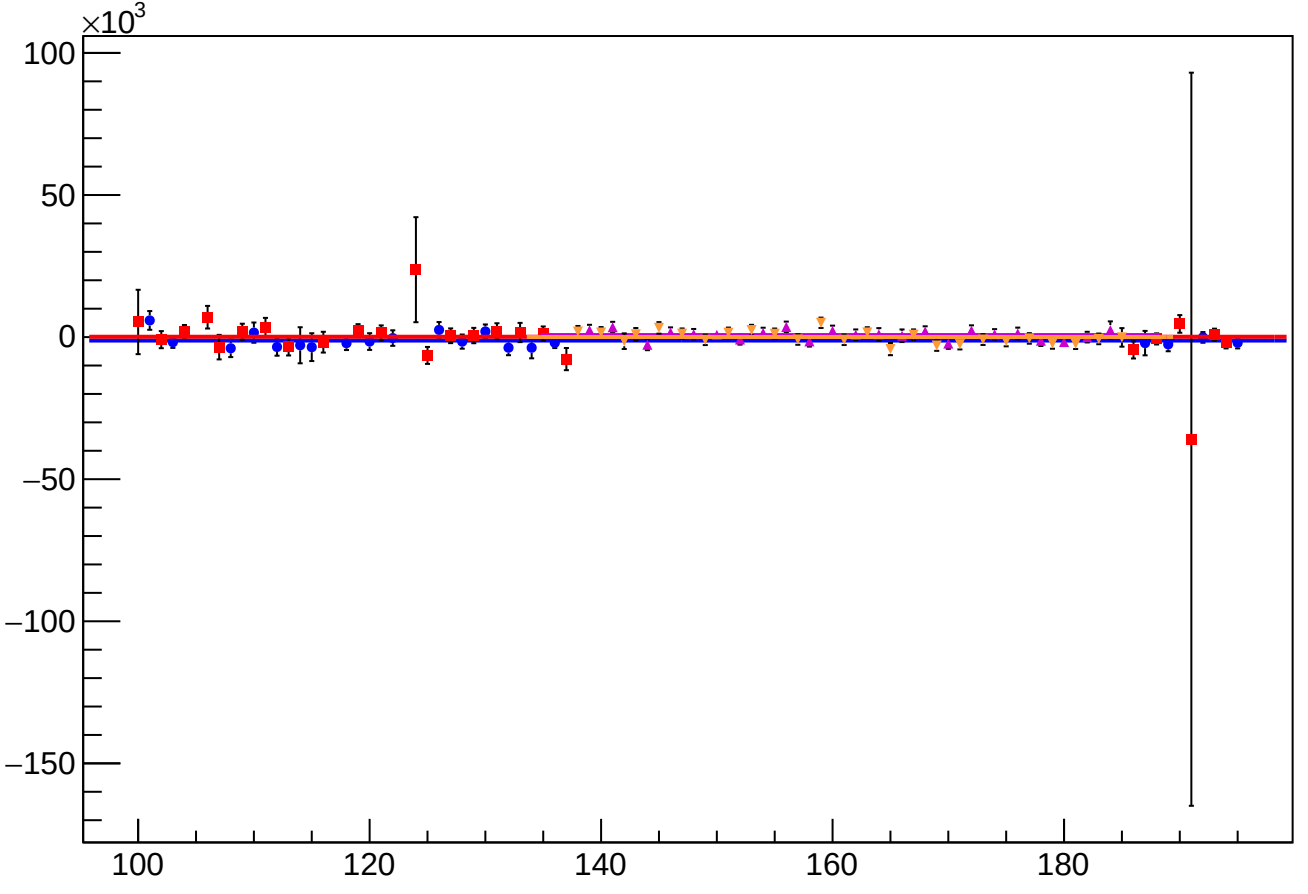
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4075.490+/-0.551 χ^2/NDF: 2836439.5/44

All: 2119.928+/-0.271 χ^2/NDF: 54148309.4/9

- sign 1496.840+/-0.311 χ^2/NDF: 34687984.4/47

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: 131.489+/-579.241 χ^2/NDF: 26.4/24

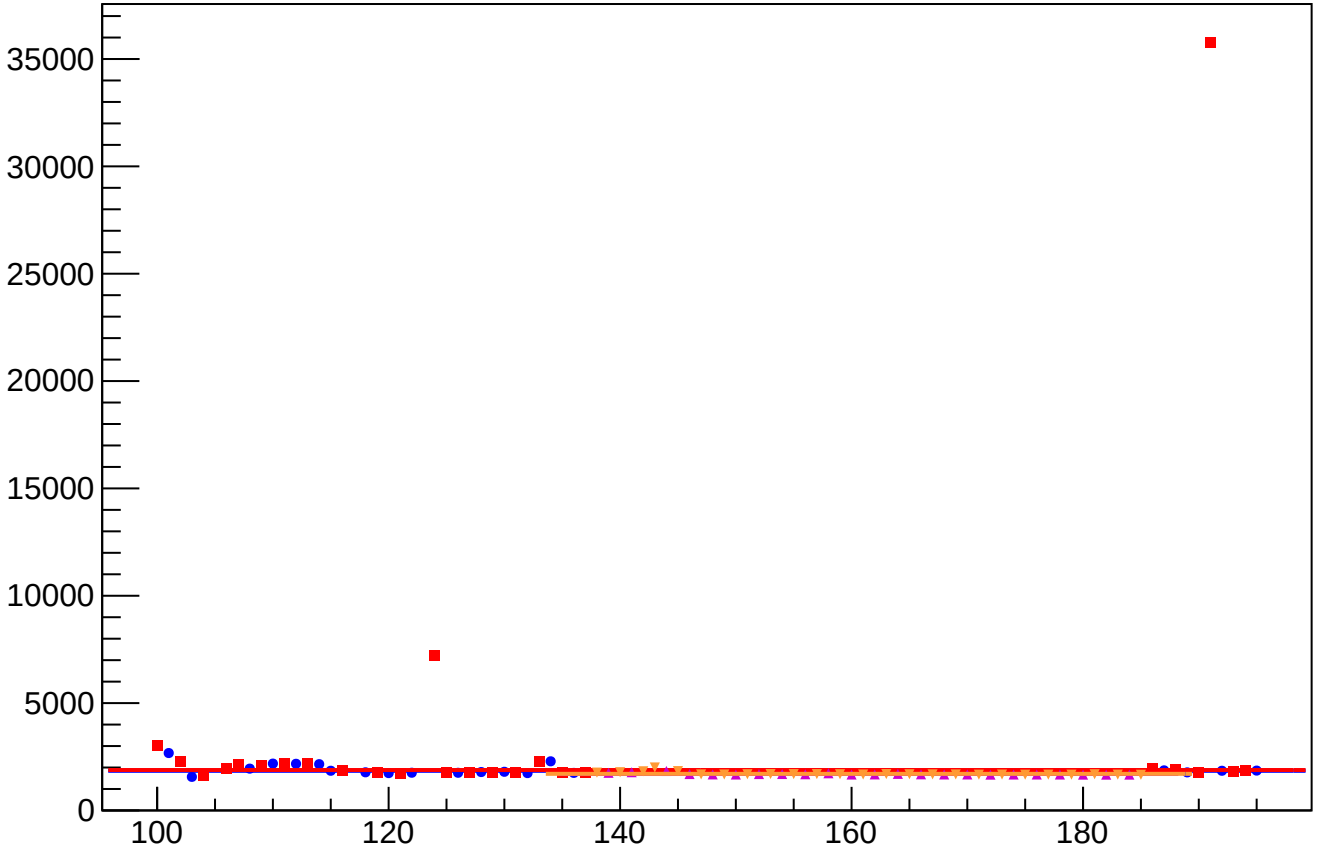
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -346.017+/-324.599 χ^2/NDF: 45.6/44

All: 89.464+/-230.426 χ^2/NDF: 95.4/92

\- sign 531.839+/-327.159 χ^2/NDF: 46.2/47

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: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

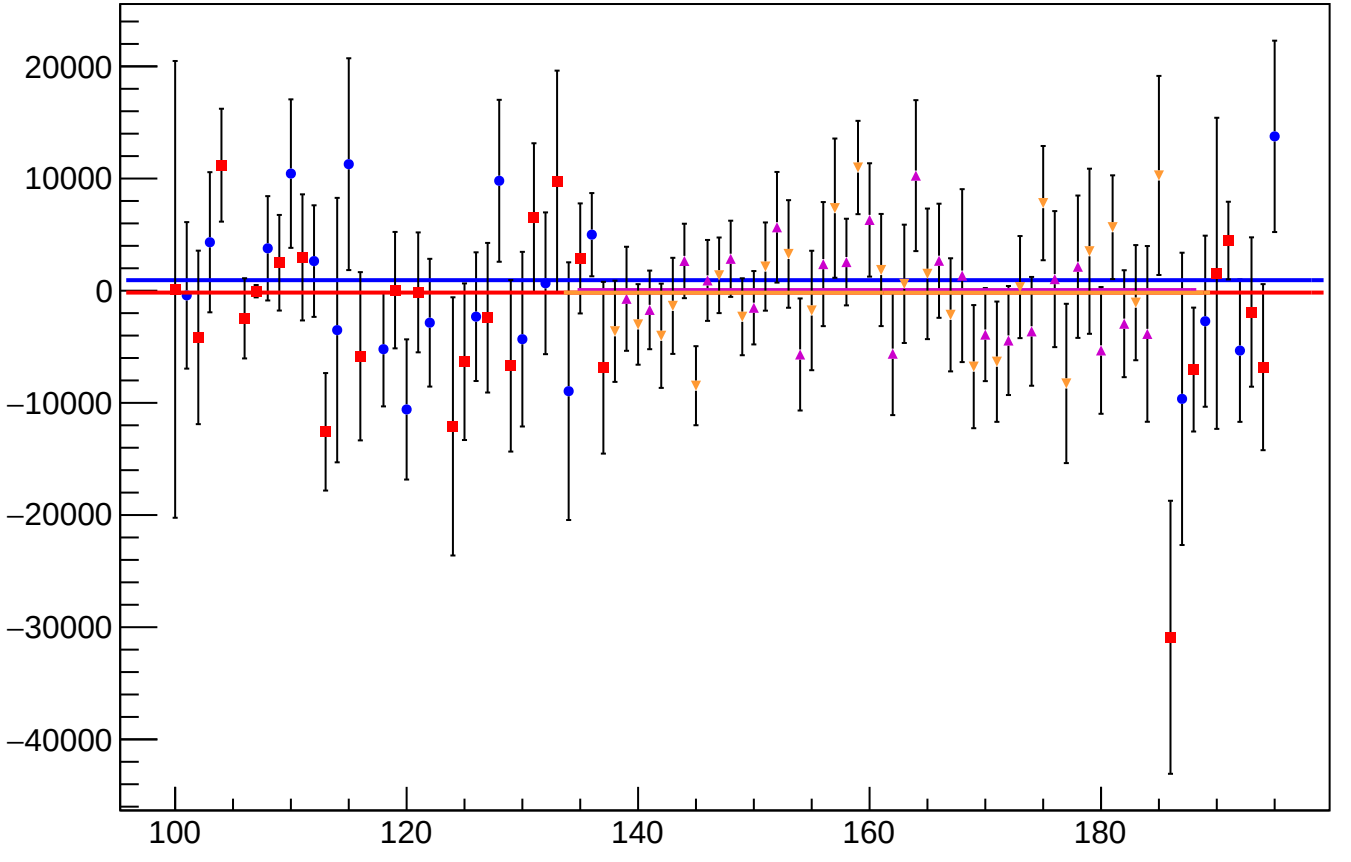
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.4/44

All: 1752.360+/-0.163 χ^2/NDF: 1073952.4/92

- sign 1756.832+/-0.231 χ^2/NDF: 671681.5/47

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: -167.596+/-501.294 χ^2/NDF: 29.2/24

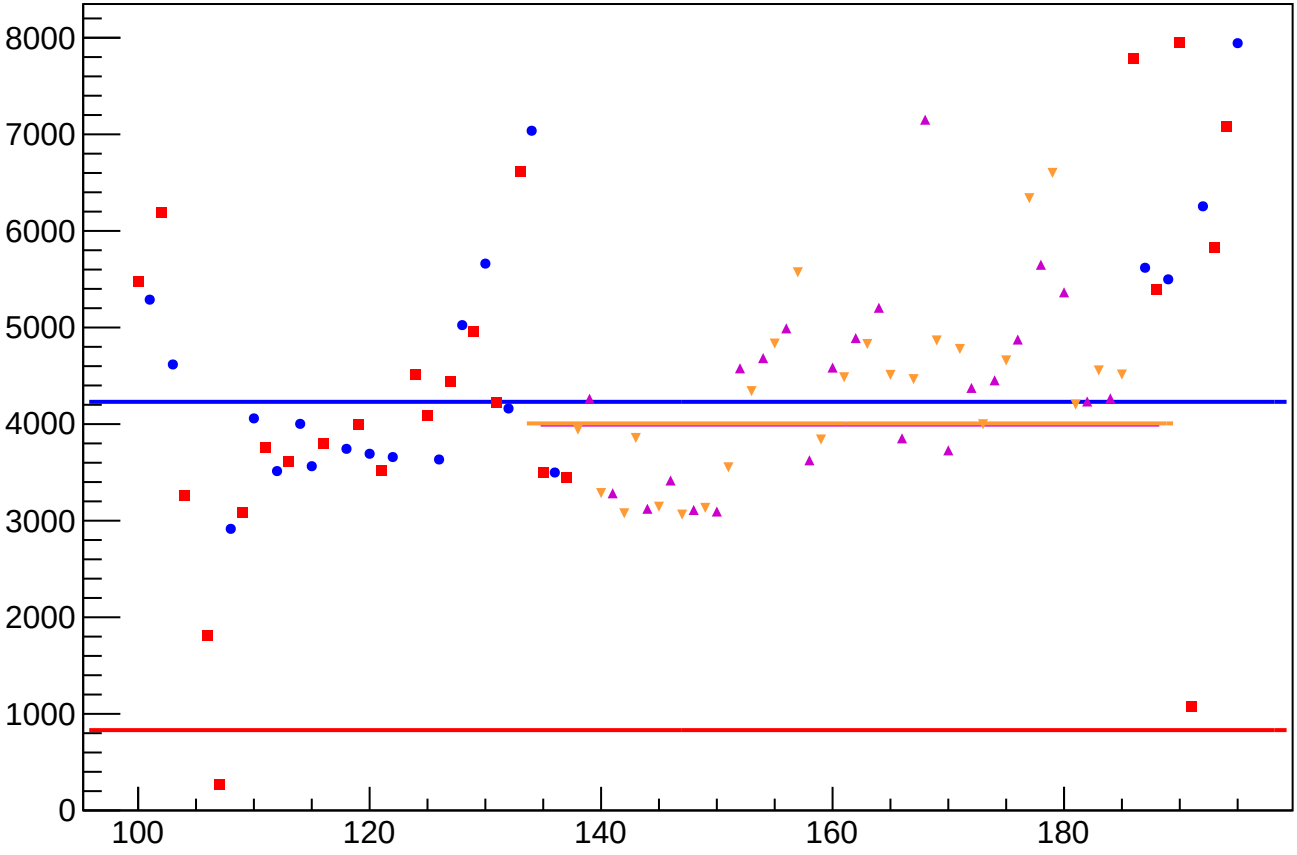
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.745+/-778.898 χ^2/NDF: 46.3/44

All: -49.412+/-385.731 χ^2/NDF: 89.9/92

- sign -119.325+/-443.999 χ^2/NDF: 43.5/47

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: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

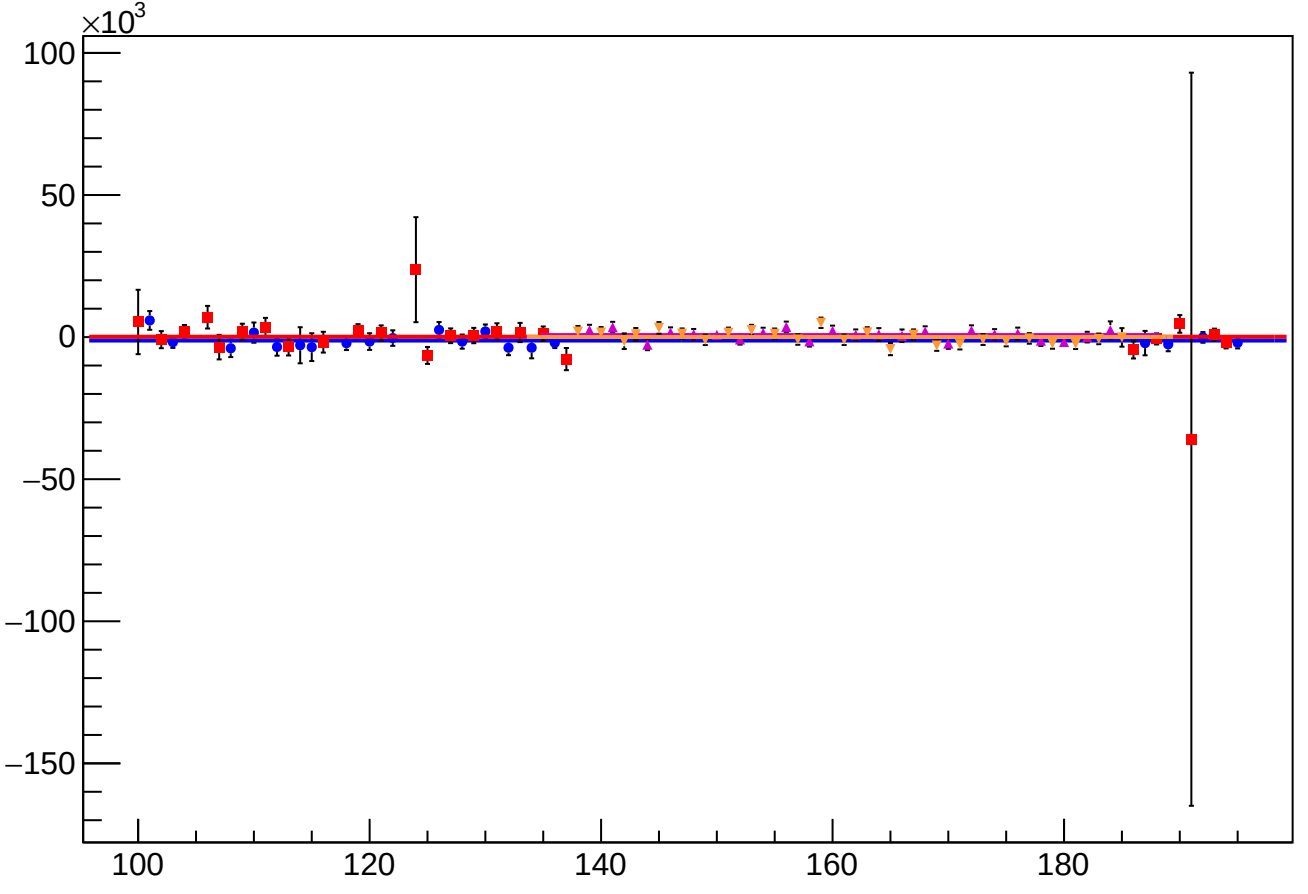
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4075.487+/-0.551 χ^2/NDF: 2836486.3/44

All: 2141.832+/-0.273 χ^2/NDF: 53840218.8/9

- sign 1513.511+/-0.314 χ^2/NDF: 34672361.3/47

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: 131.489+/-579.241 χ^2/NDF: 26.4/24

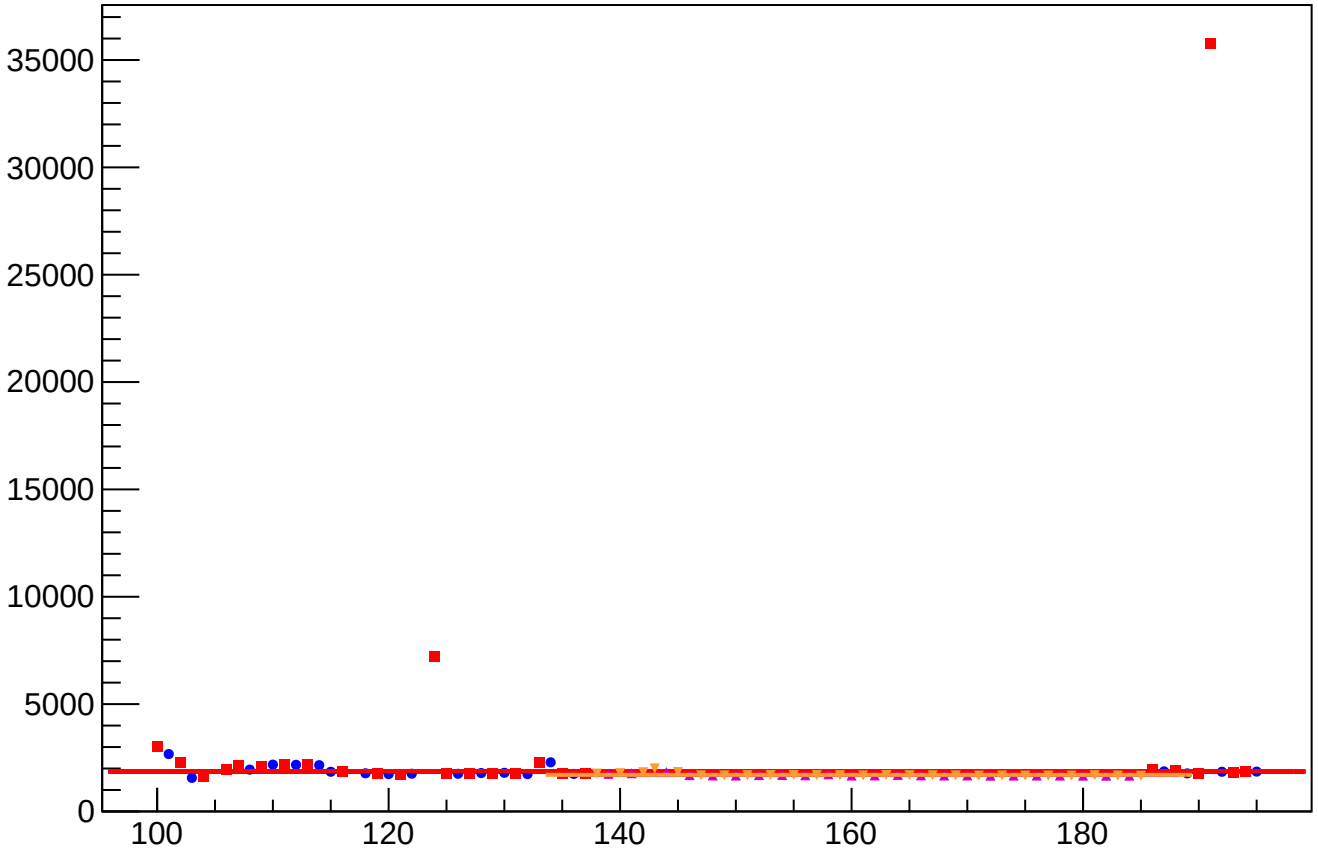
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -346.017+/-324.599 χ^2/NDF: 45.6/44

All: 89.464+/-230.426 χ^2/NDF: 95.4/92

\- sign 531.839+/-327.159 χ^2/NDF: 46.2/47

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

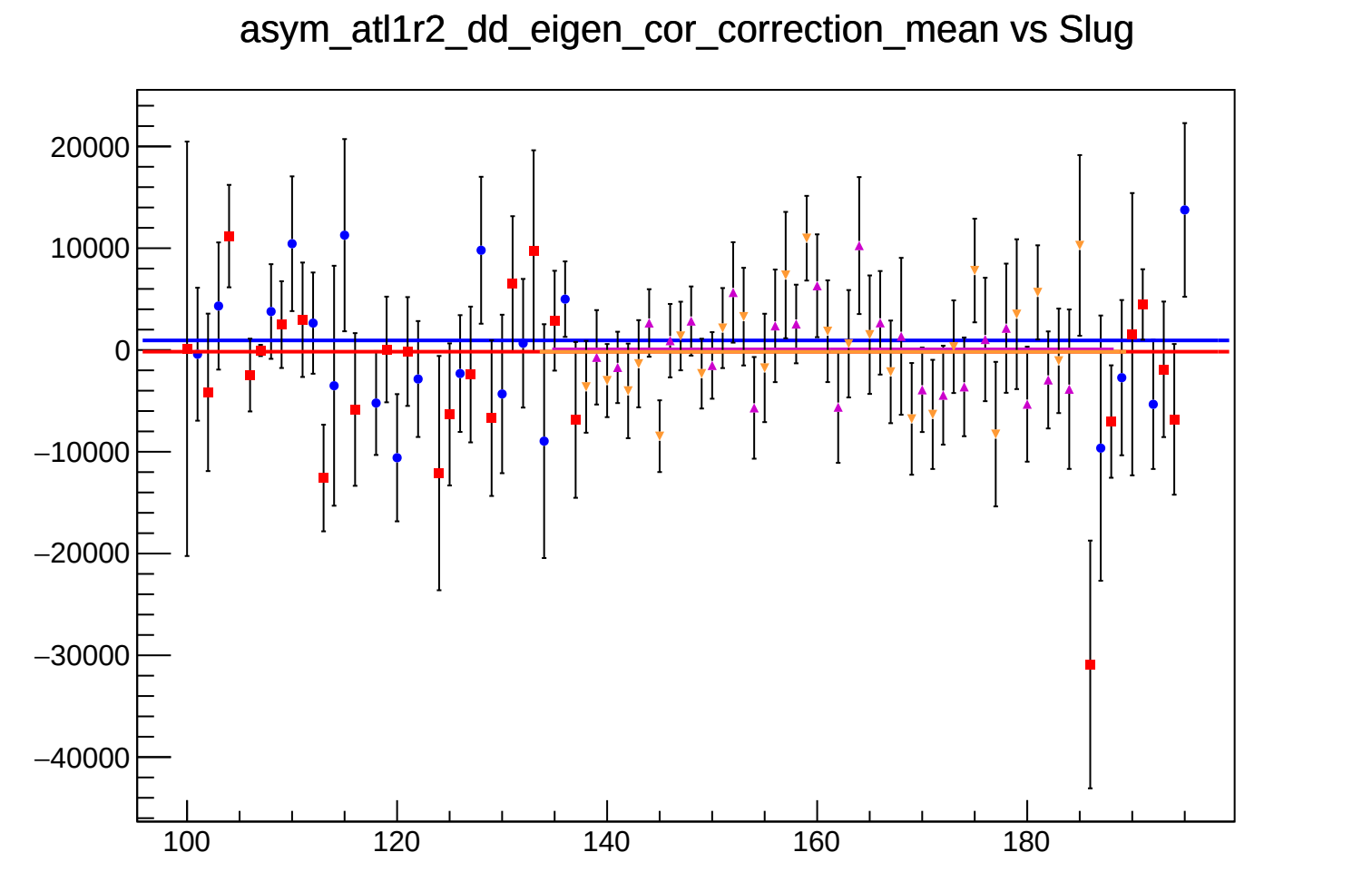
Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1747.954+/-0.230 χ^2/NDF: 401528.4/44

All: 1752.360+/-0.163 χ^2/NDF: 1073952.4/92

- sign 1756.832+/-0.231 χ^2/NDF: 671681.5/47



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: -167.596+/-501.294 χ^2/NDF: 29.2/24

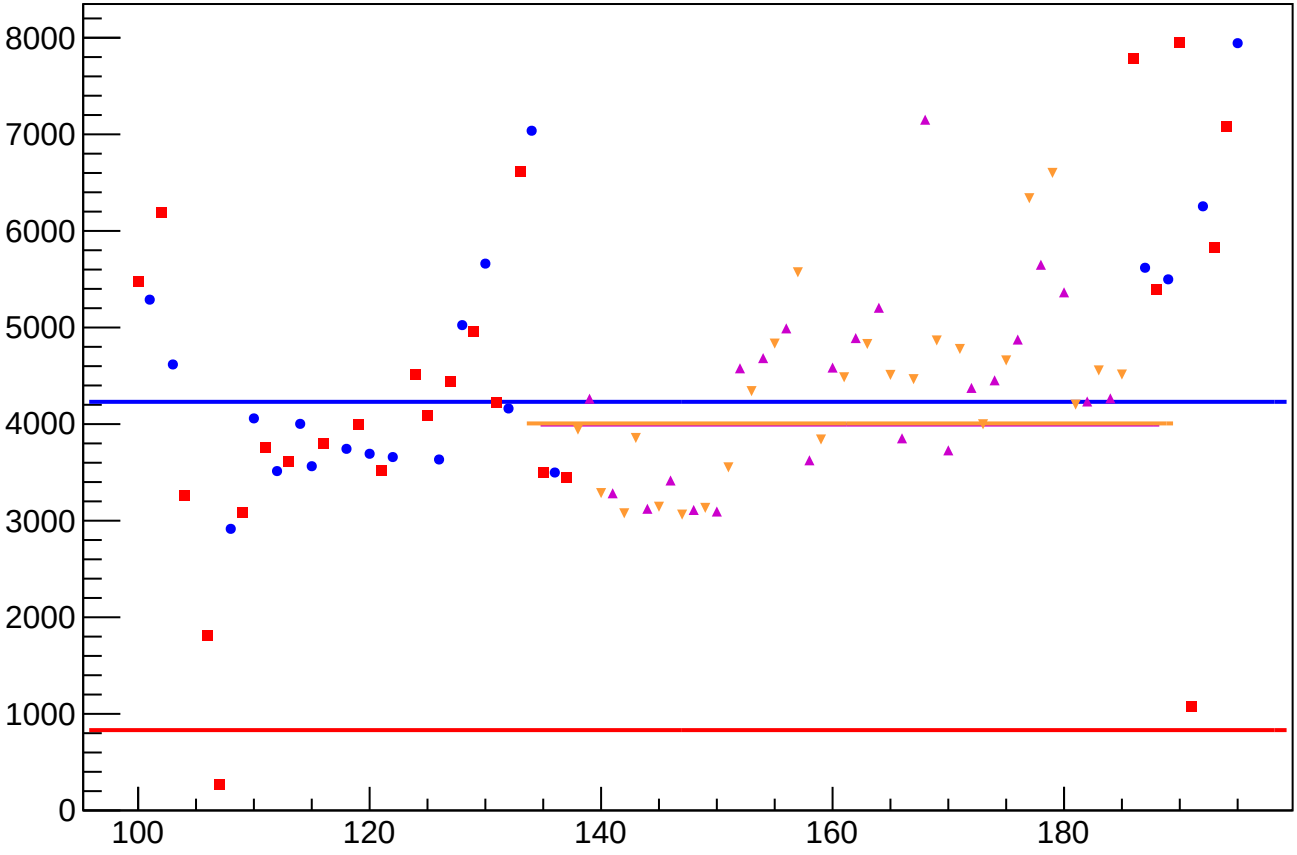
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.745+/-778.898 χ^2/NDF: 46.3/44

All: -49.412+/-385.731 χ^2/NDF: 89.9/92

- sign -119.325+/-443.999 χ^2/NDF: 43.5/47

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: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

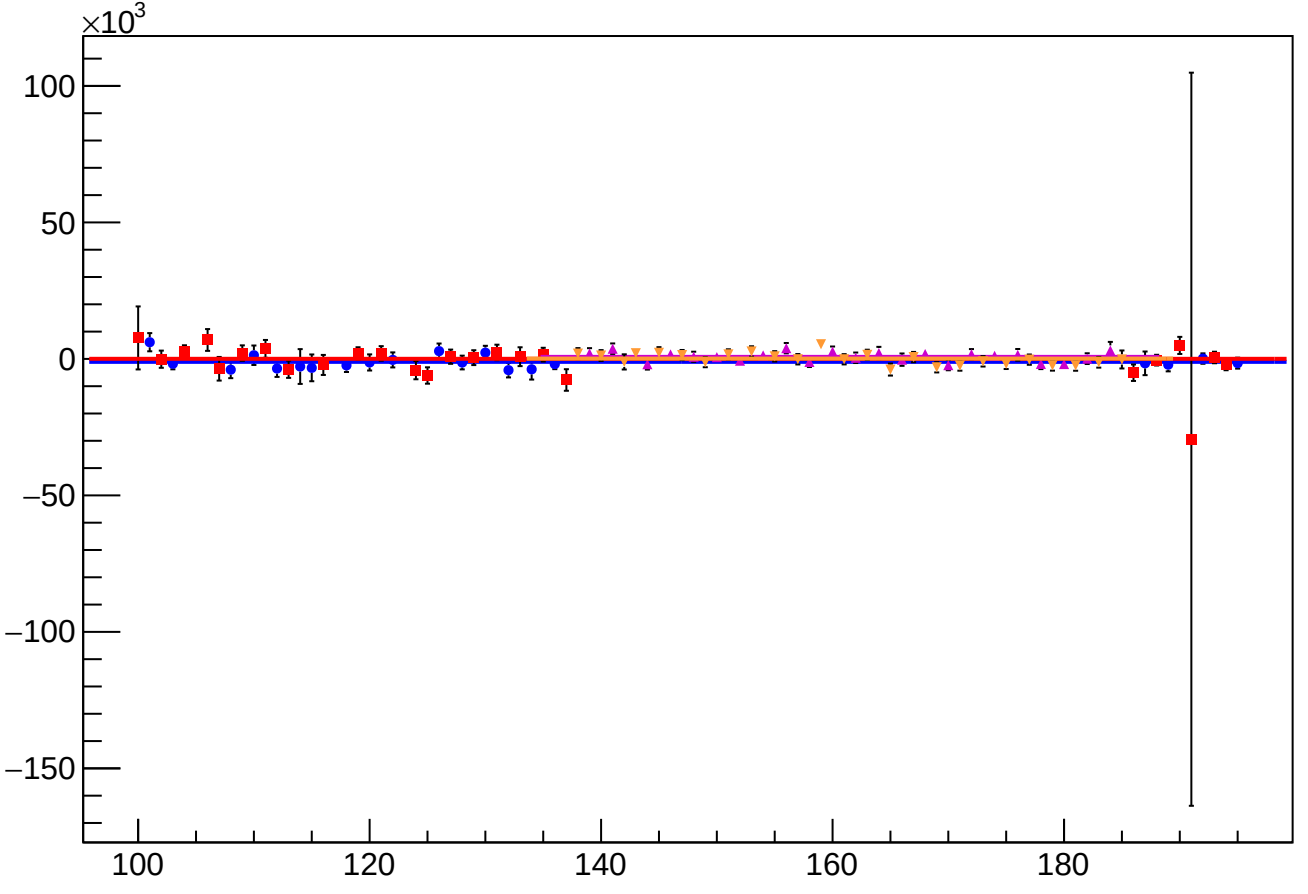
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4075.487+/-0.551 χ^2/NDF: 2836486.3/44

All: 2141.832+/-0.273 χ^2/NDF: 53840218.8/9

- sign 1513.511+/-0.314 χ^2/NDF: 34672361.3/47

dit_asym_atl1r2_dd_mean vs Slug



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: 33.772+/-577.252 χ^2/NDF: 27.8/24

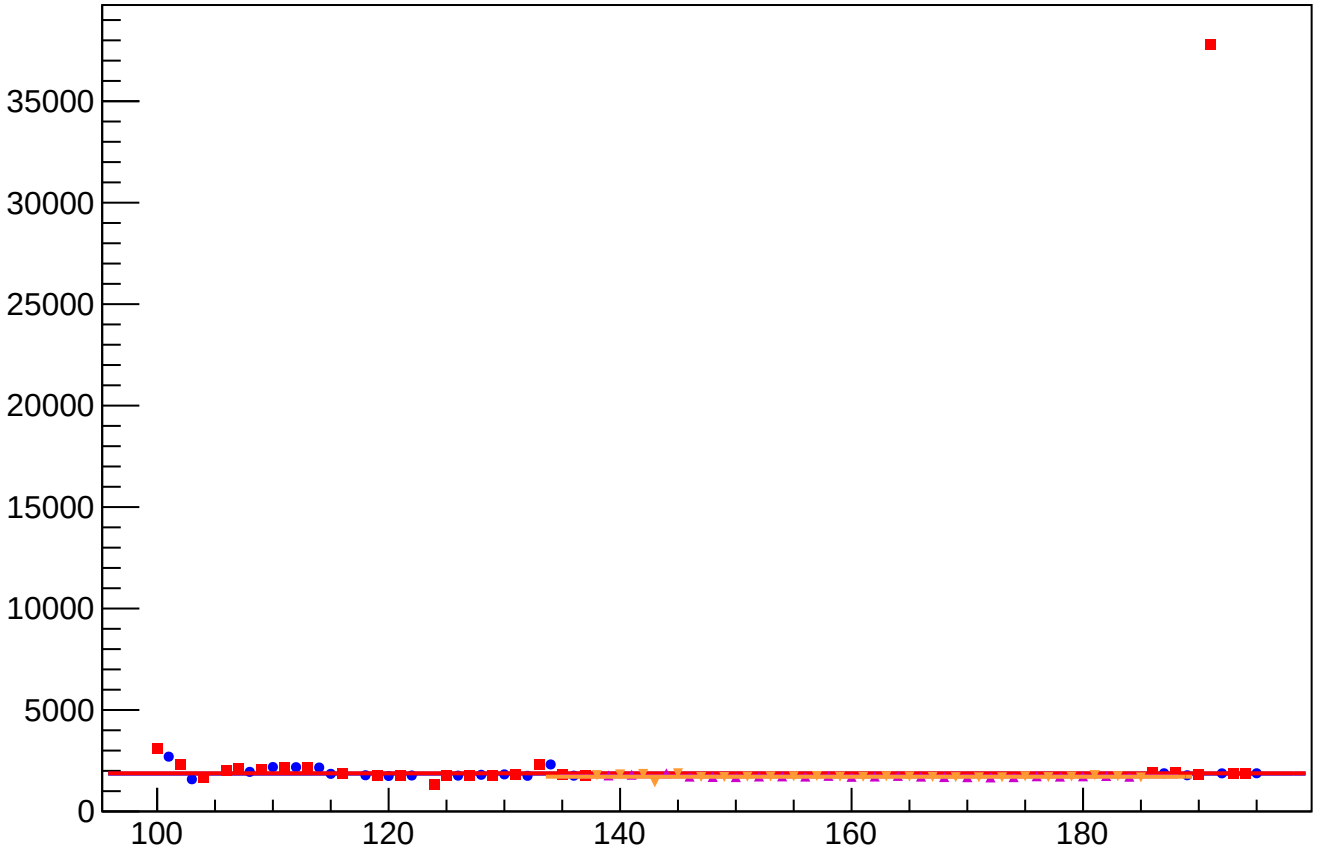
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -236.836+/-326.512 χ^2/NDF: 46.4/44

All: 130.648+/-232.476 χ^2/NDF: 96.8/92

- sign 508.484+/-331.079 χ^2/NDF: 47.8/47

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: 1879.709+/-0.408 χ^2/NDF: 407979.9/24

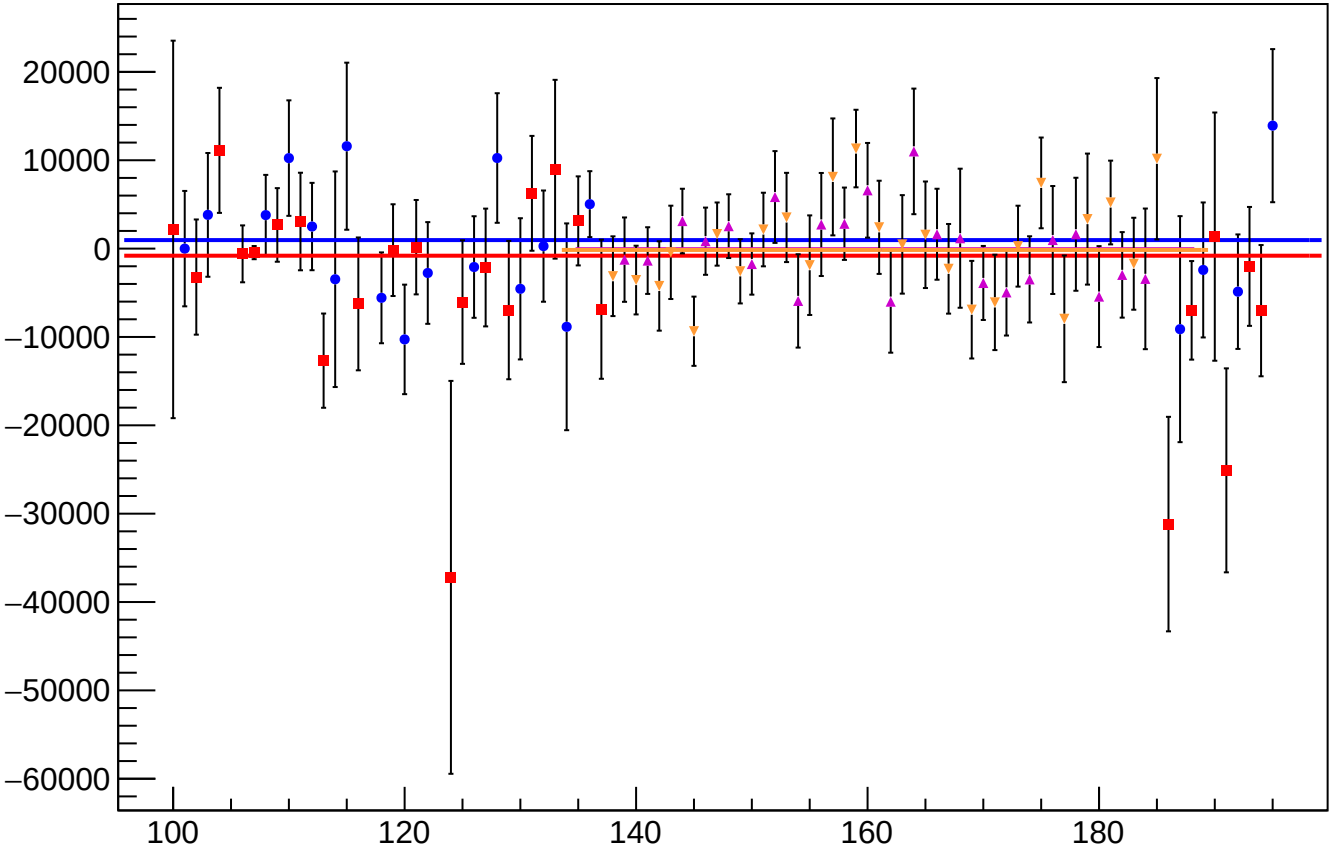
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1757.418+/-0.231 χ^2/NDF: 443438.4/44

All: 1768.315+/-0.164 χ^2/NDF: 968938.2/92

- sign 1779.514+/-0.234 χ^2/NDF: 520983.3/47

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: -803.295+/-645.794 χ^2/NDF: 29.8/24

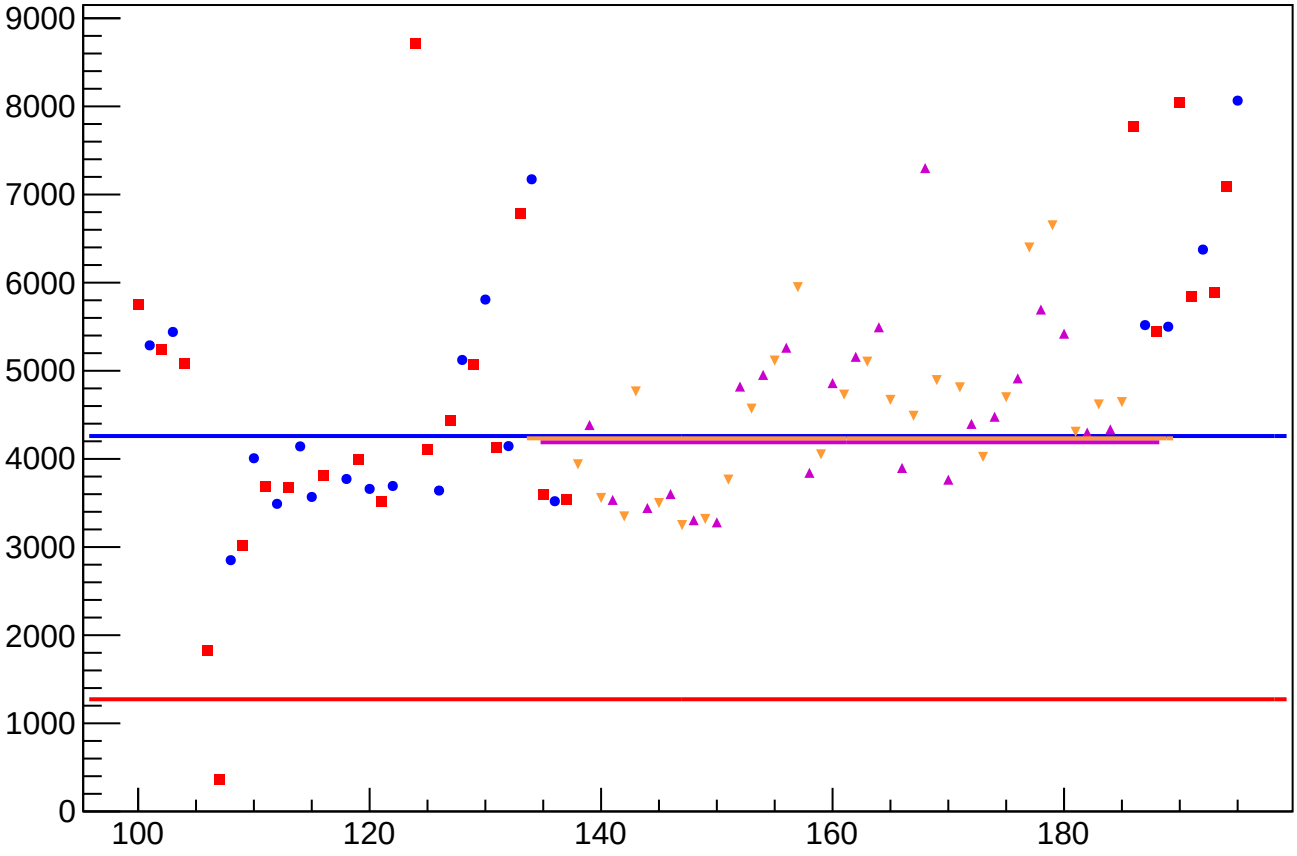
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 212.681+/-808.876 χ^2/NDF: 44.8/44

All: -338.254+/-450.561 χ^2/NDF: 89.7/92

- sign -586.091+/-542.519 χ^2/NDF: 44.2/47

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: 1272.921+/-0.457 χ^2/NDF: 14376024.5/24

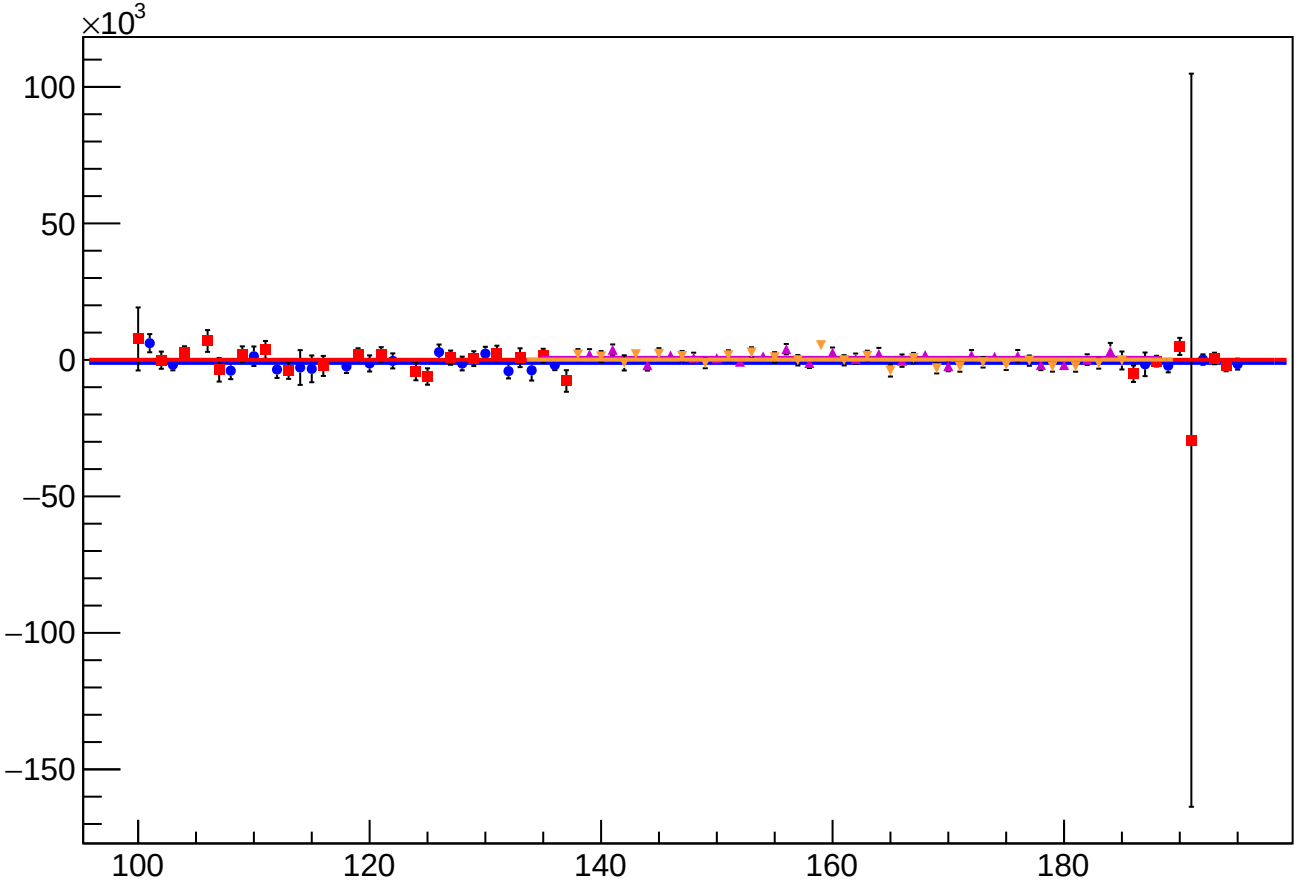
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4242.311+/-0.572 χ^2/NDF: 2702013.7/44

All: 2786.069+/-0.319 χ^2/NDF: 39819951.8/9

- sign 2130.982+/-0.384 χ^2/NDF: 27719505.4/47

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: 33.776+/-577.252 χ^2/NDF: 27.8/24

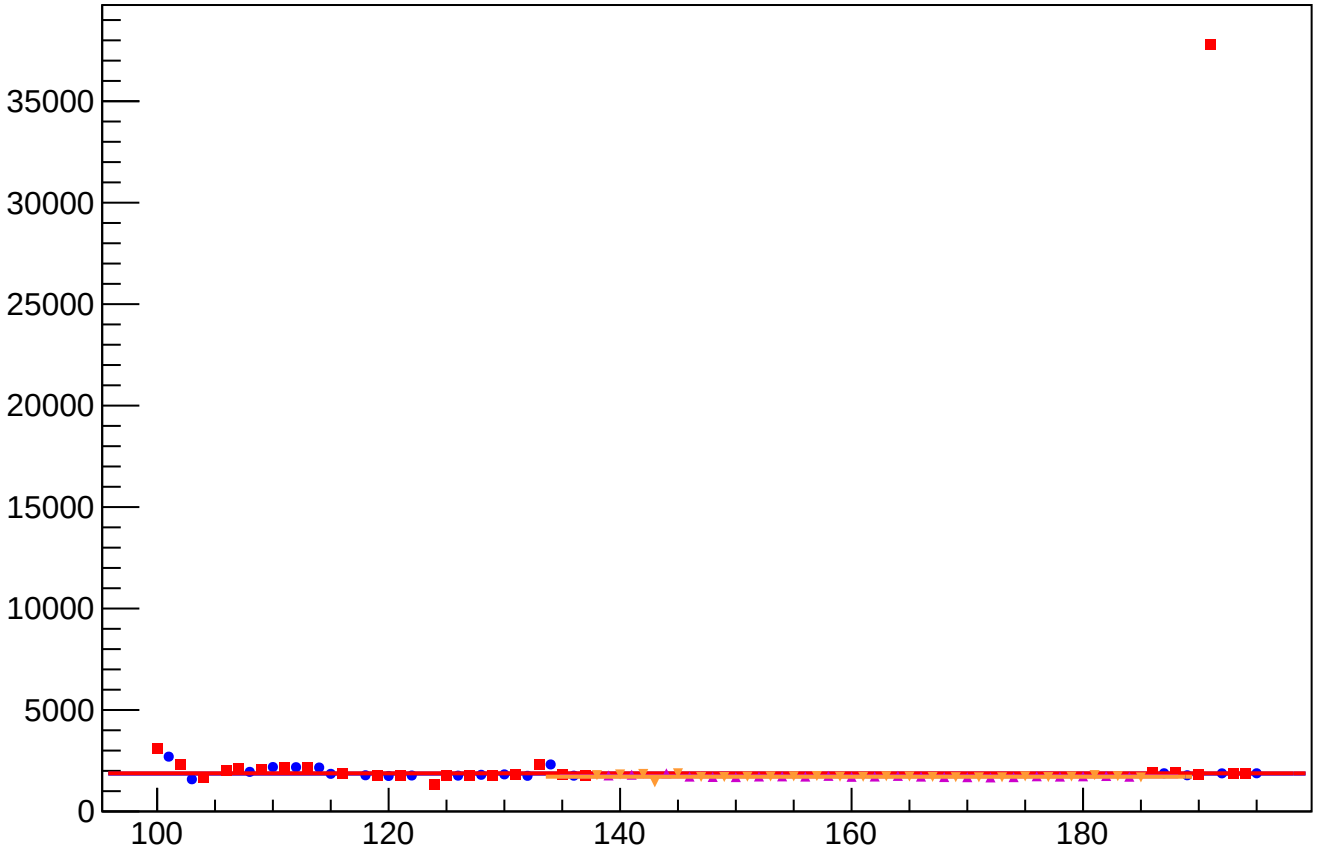
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -236.835+/-326.512 χ^2/NDF: 46.4/44

All: 130.649+/-232.476 χ^2/NDF: 96.8/92

- sign 508.485+/-331.079 χ^2/NDF: 47.8/47

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

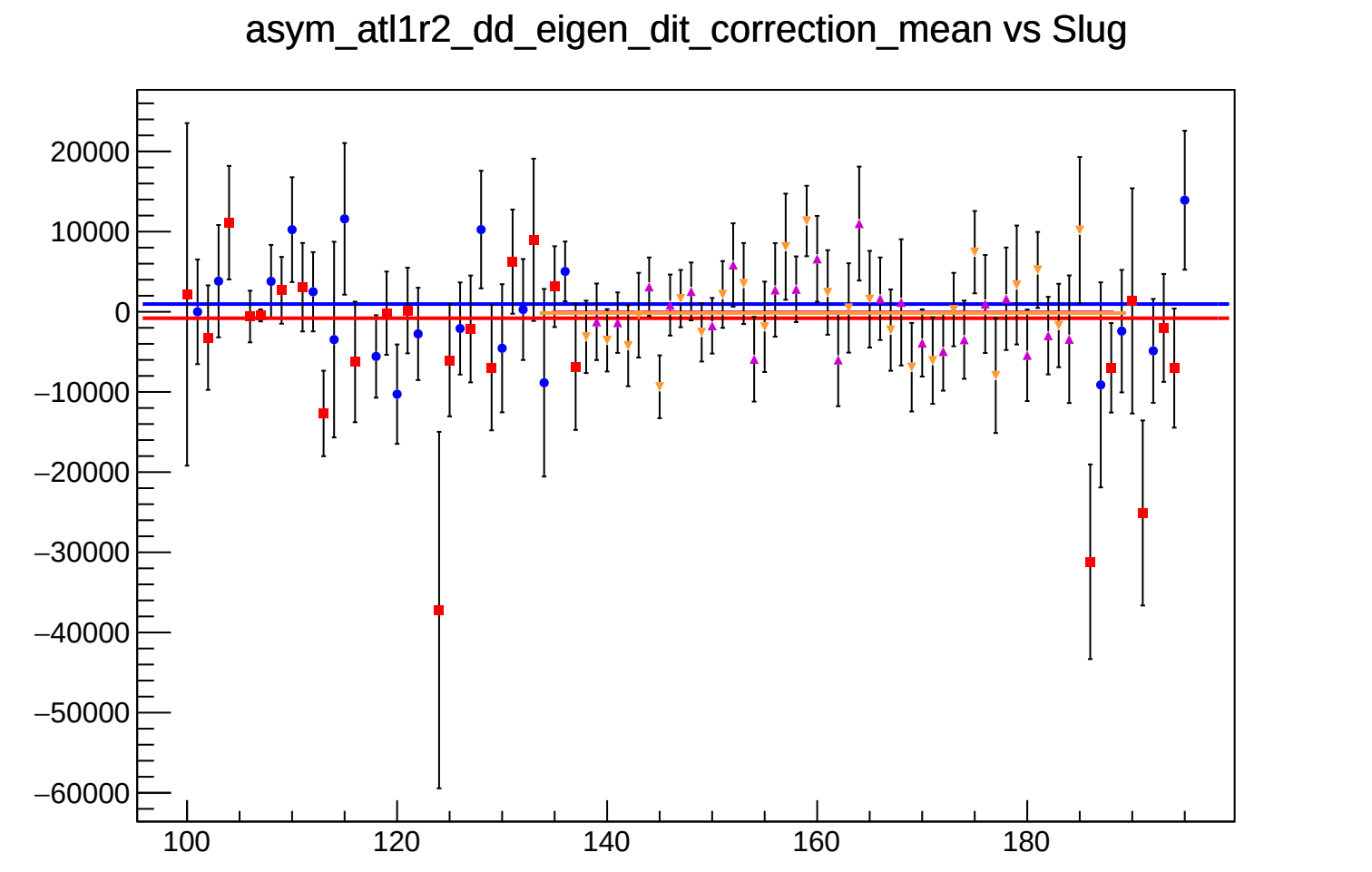
Right Out: 1879.709+/-0.408 χ^2/NDF: 407980.3/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1757.419+/-0.231 χ^2/NDF: 443436.4/44

All: 1768.315+/-0.164 χ^2/NDF: 968935.8/92

- sign 1779.514+/-0.234 χ^2/NDF: 520982.9/47



Right In: 964.153+/-1417.513 χ^2/NDF: 17.5/19

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

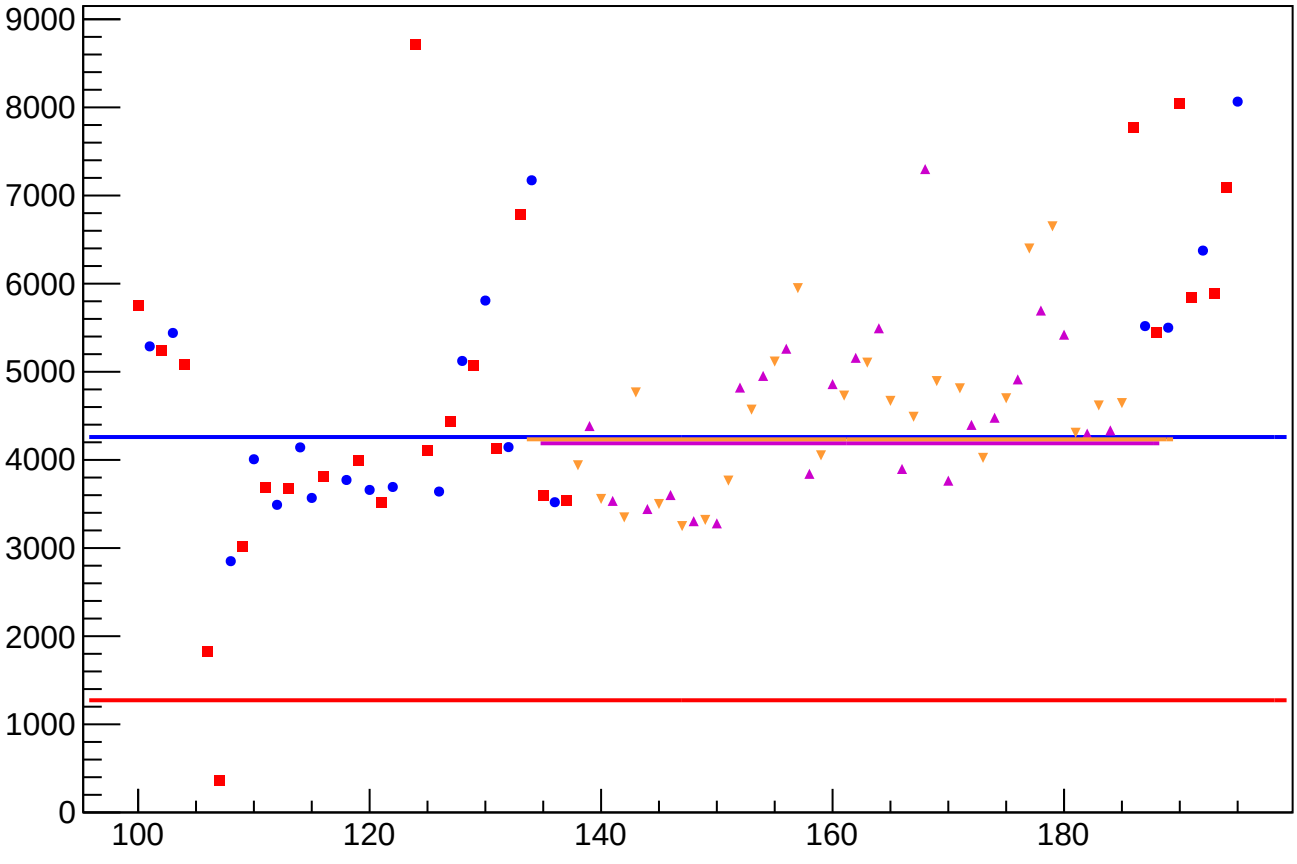
Right Out: -803.312+/-645.804 χ^2/NDF: 29.8/24

Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 212.677+/-808.877 χ^2/NDF: 44.8/44

All: -338.257+/-450.565 χ^2/NDF: 89.7/92

- sign -586.099+/-542.525 χ^2/NDF: 44.2/47



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: 1272.957+/-0.457 χ^2/NDF: 14375833.6/24

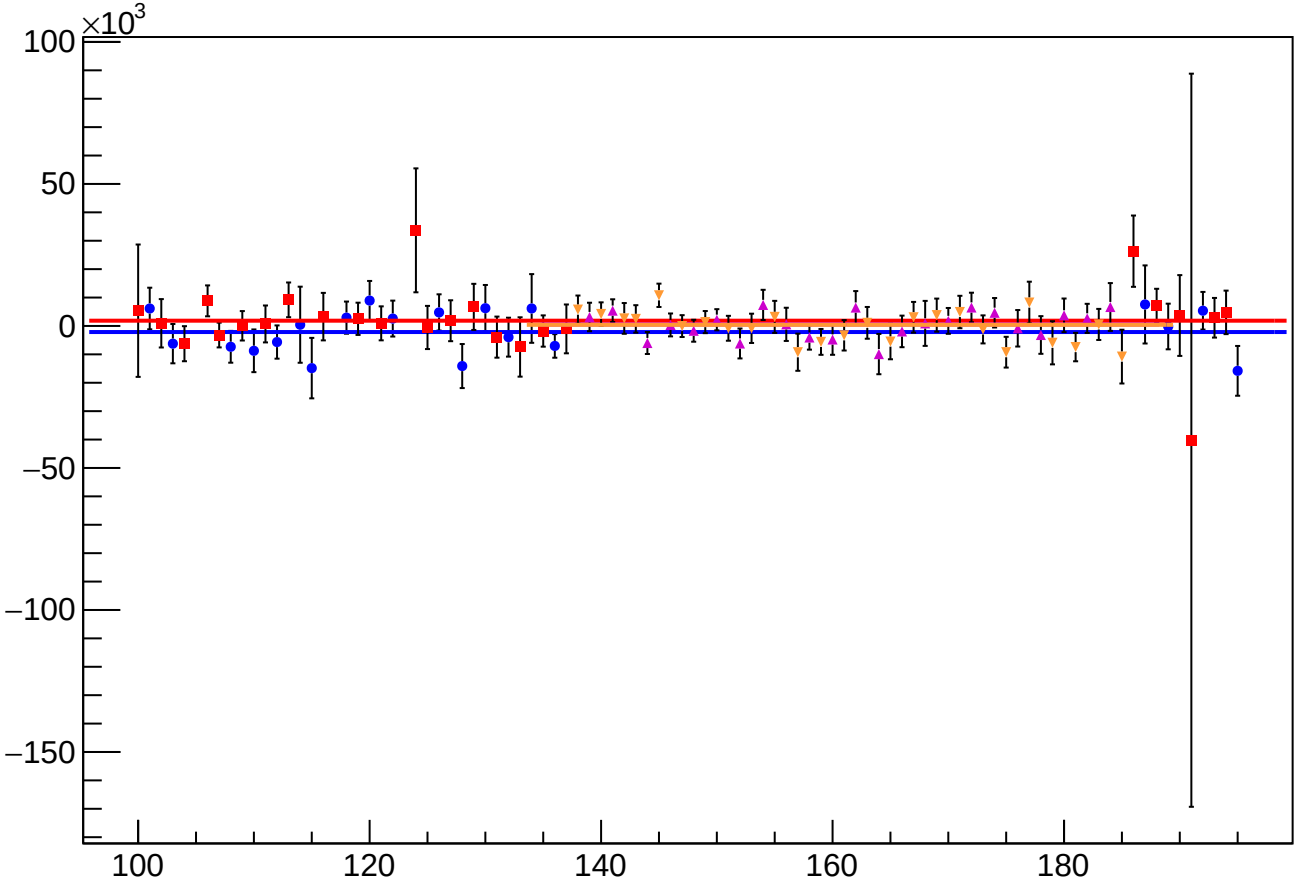
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4242.313+/-0.572 χ^2/NDF: 2702019.3/44

All: 2786.110+/-0.319 χ^2/NDF: 39818938.2/9

- sign 2131.026+/-0.384 χ^2/NDF: 27718937.4/47

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: 1852.107+/-1420.299 χ^2/NDF: 15.9/24

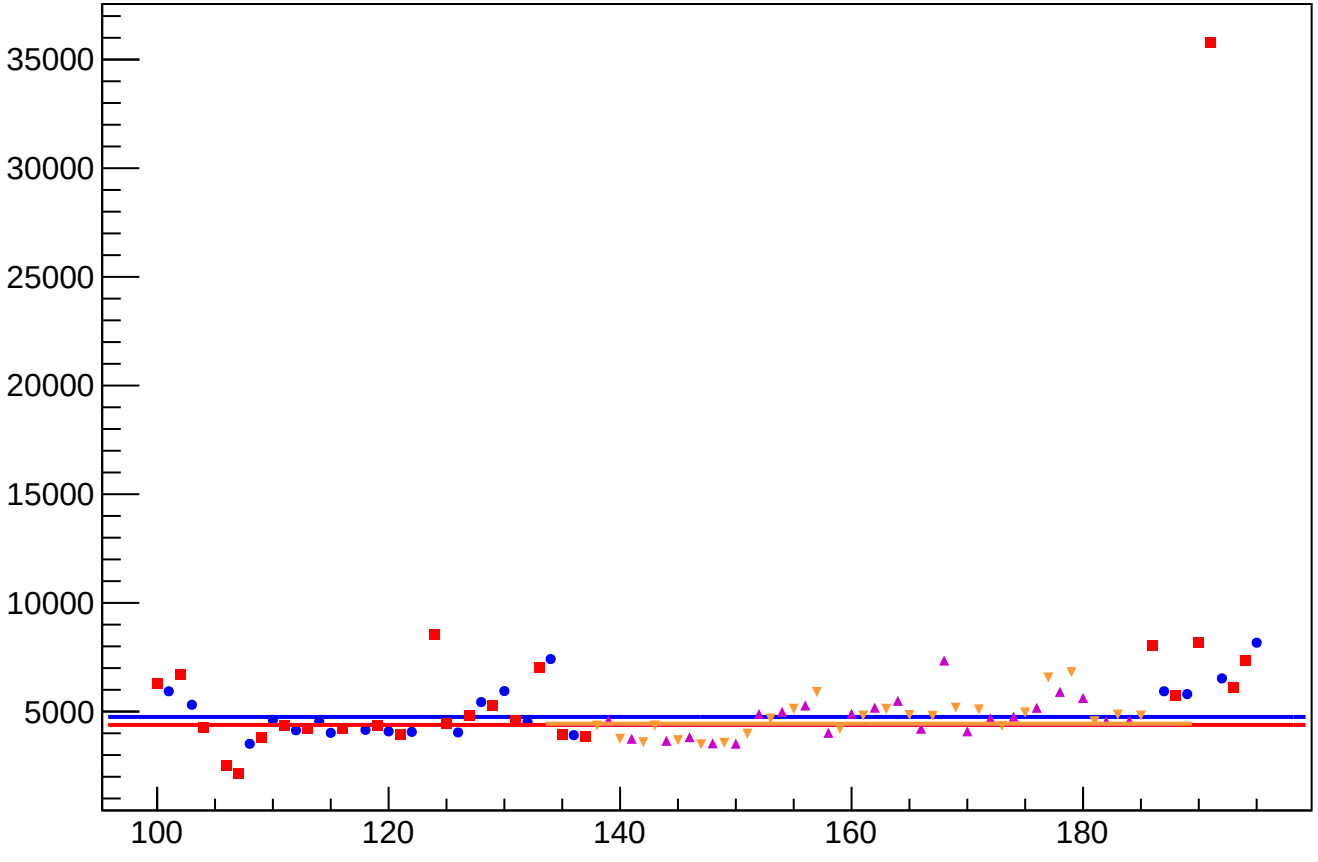
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -368.864+/-859.284 χ^2/NDF: 46.4/44

All: 317.330+/-602.187 χ^2/NDF: 81.5/92

- sign 979.579+/-844.159 χ^2/NDF: 33.8/47

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: 4384.281+/-0.996 χ^2/NDF: 2239097.4/24

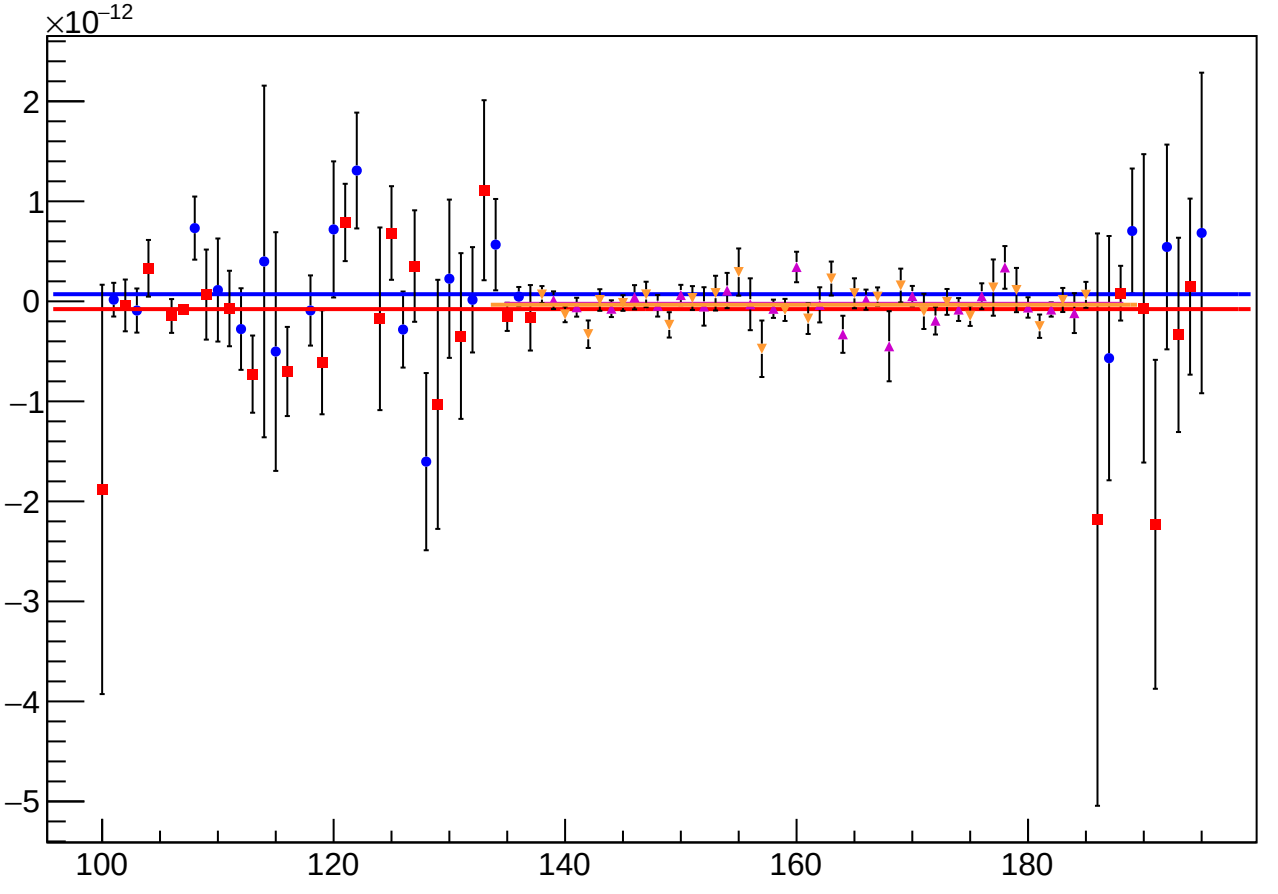
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4534.798+/-0.608 χ^2/NDF: 2147904.5/44

All: 4468.178+/-0.425 χ^2/NDF: 5522594.4/92

- sign 4404.265+/-0.595 χ^2/NDF: 3351134.9/47

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: 22.8/24

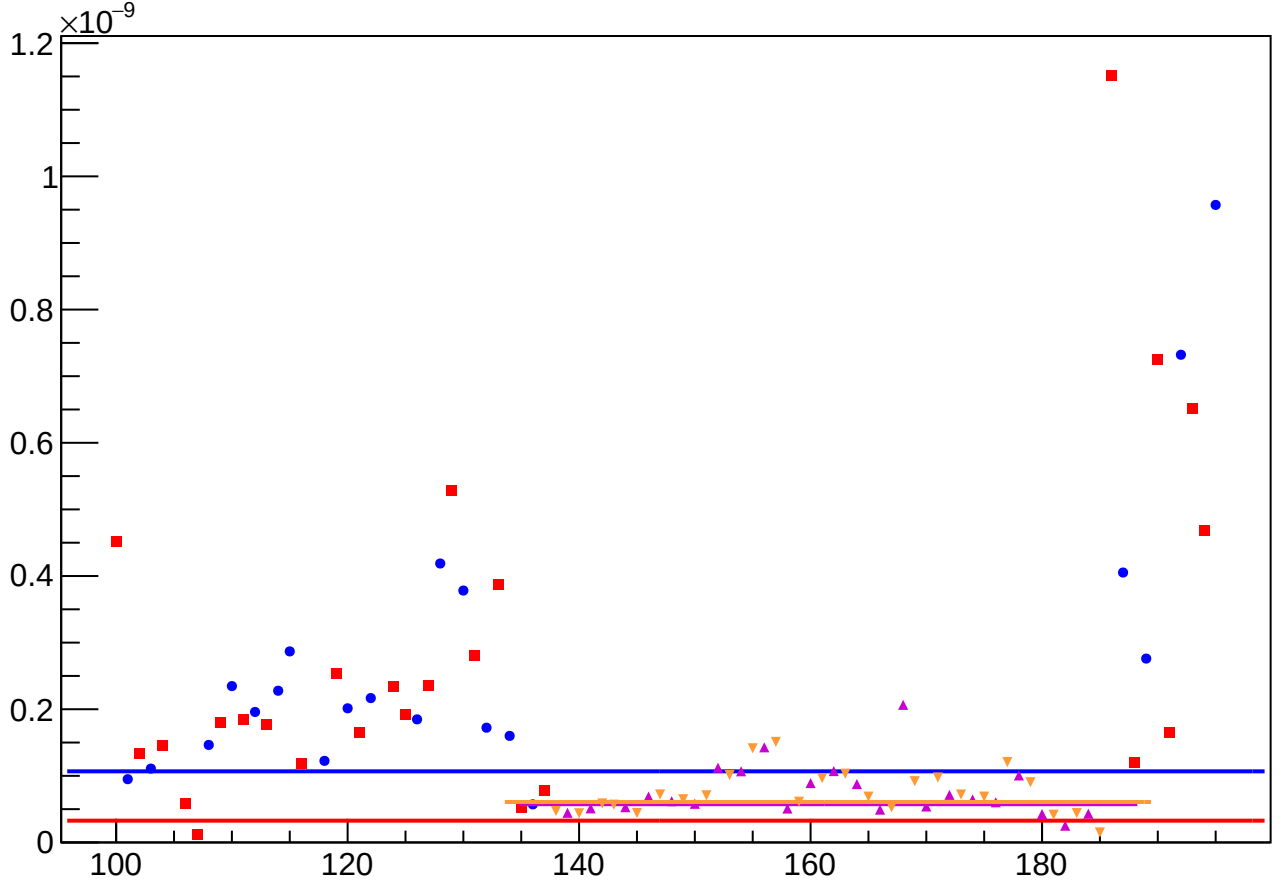
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/44

All: -0.000+/-0.000 χ^2/NDF: 94.0/92

- sign -0.000+/-0.000 χ^2/NDF: 43.7/47

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: 6608202.0/24

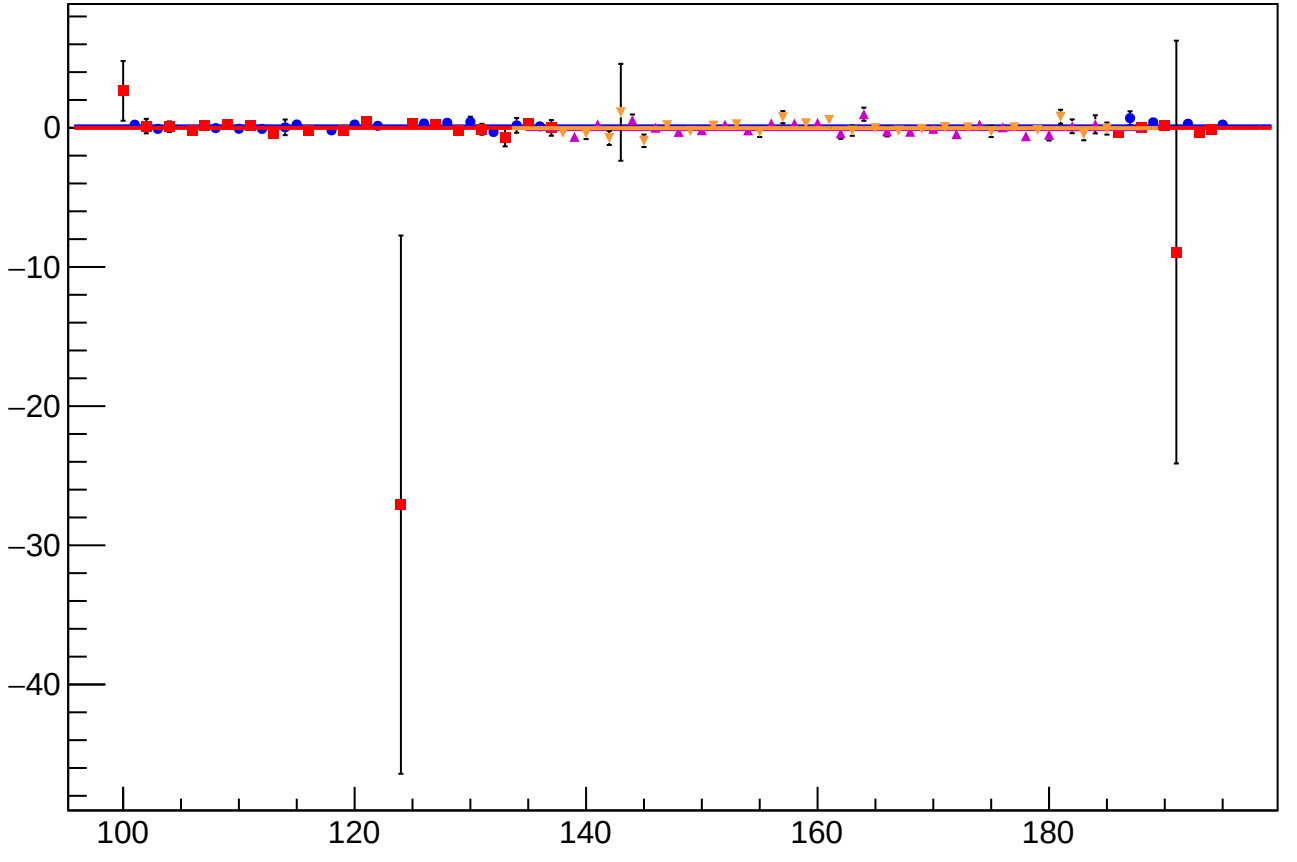
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5707653.0/44

All: 0.000+/-0.000 χ^2/NDF: 15586252.0/92

- sign 0.000+/-0.000 χ^2/NDF: 9210439.5/47

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



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: 26.4/24

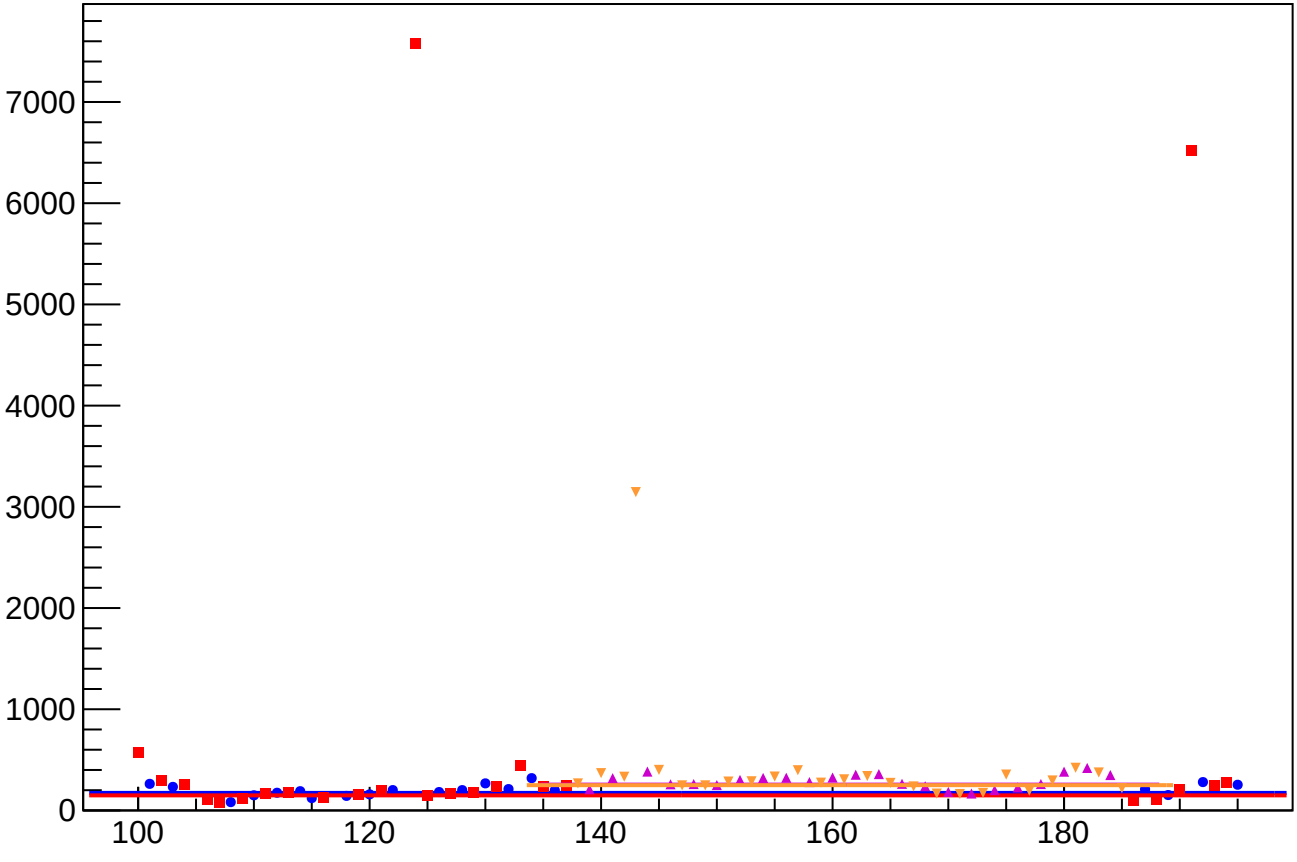
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/92

- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

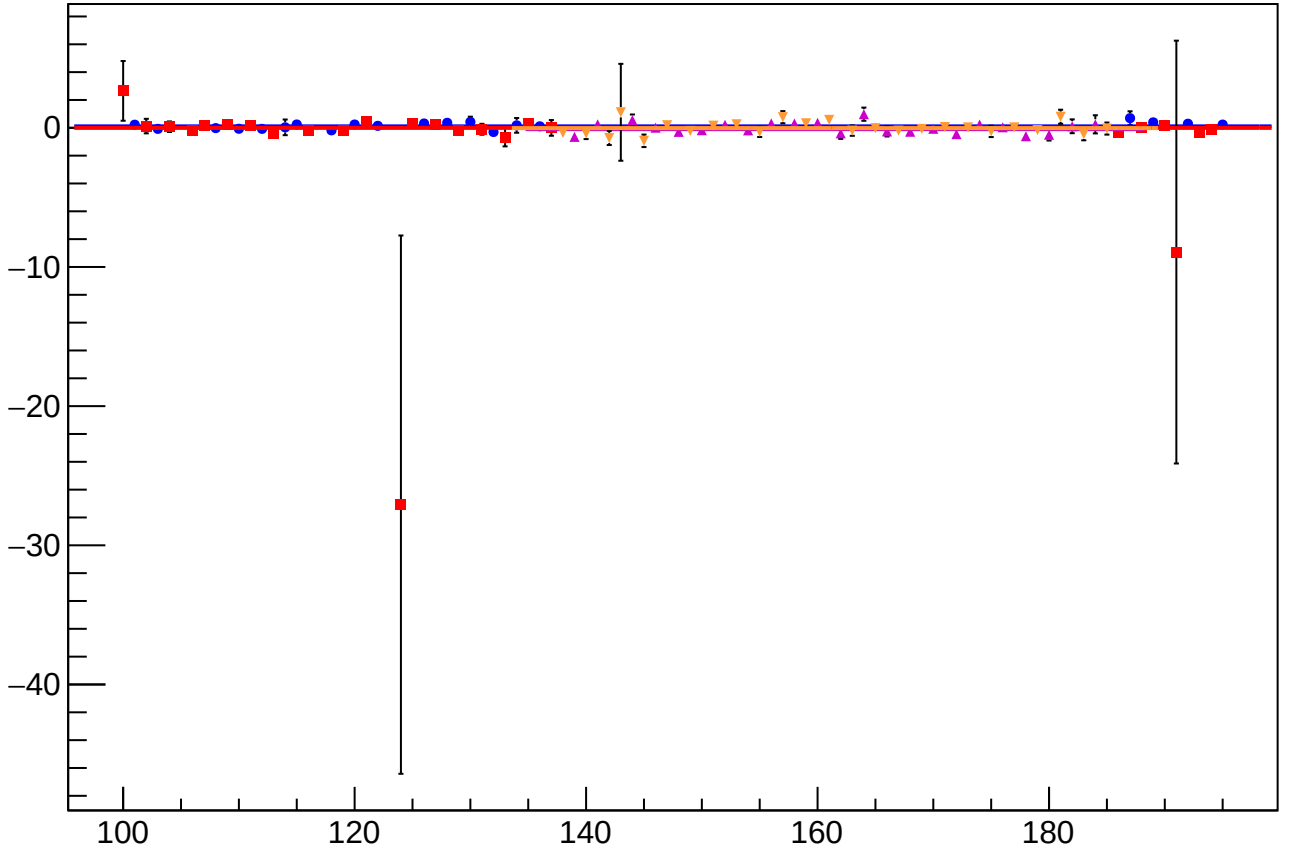
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.753+/-0.030 χ^2/NDF: 7774096.2/44

All: 200.373+/-0.021 χ^2/NDF: 16877867.1/92

- sign 191.485+/-0.028 χ^2/NDF: 8887840.9/47

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



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: 26.4/24

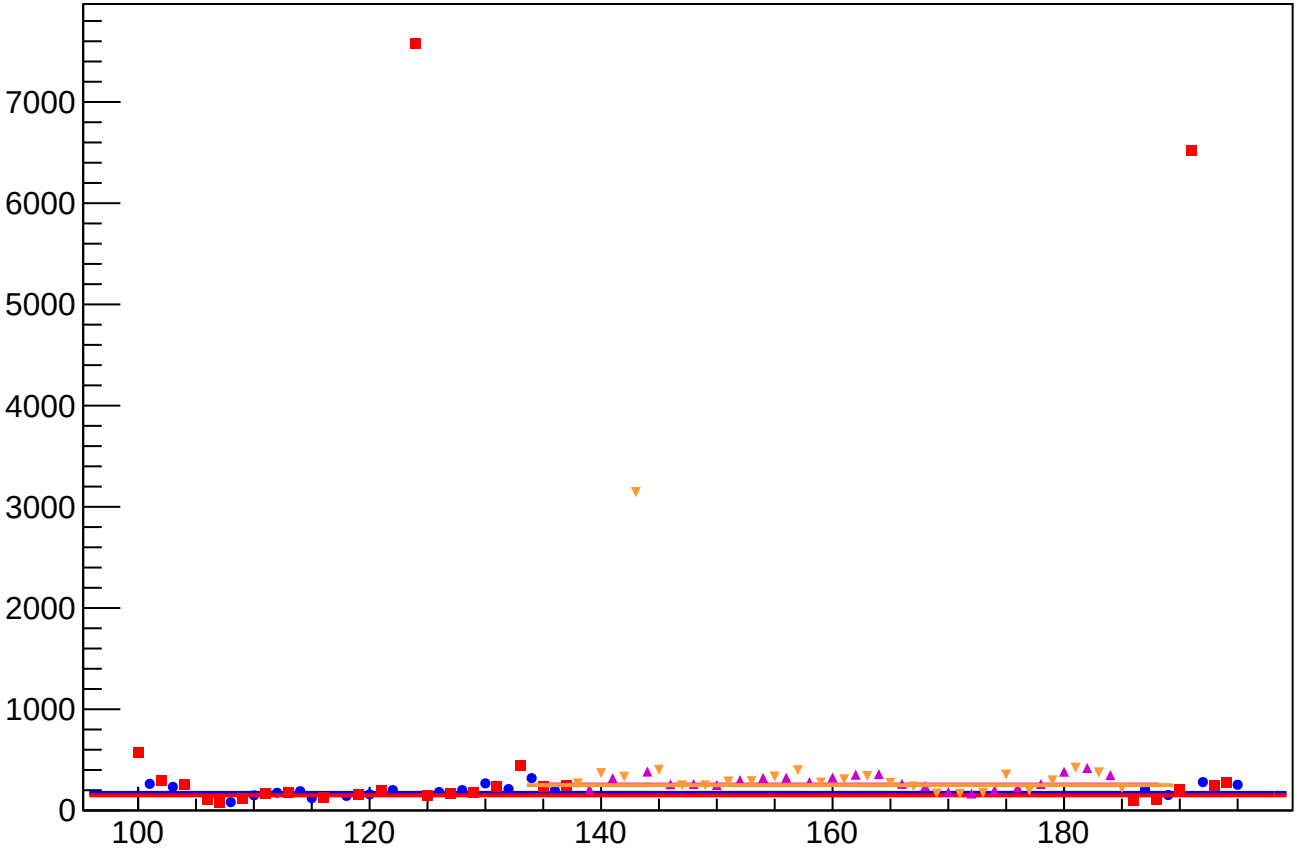
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/92

- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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

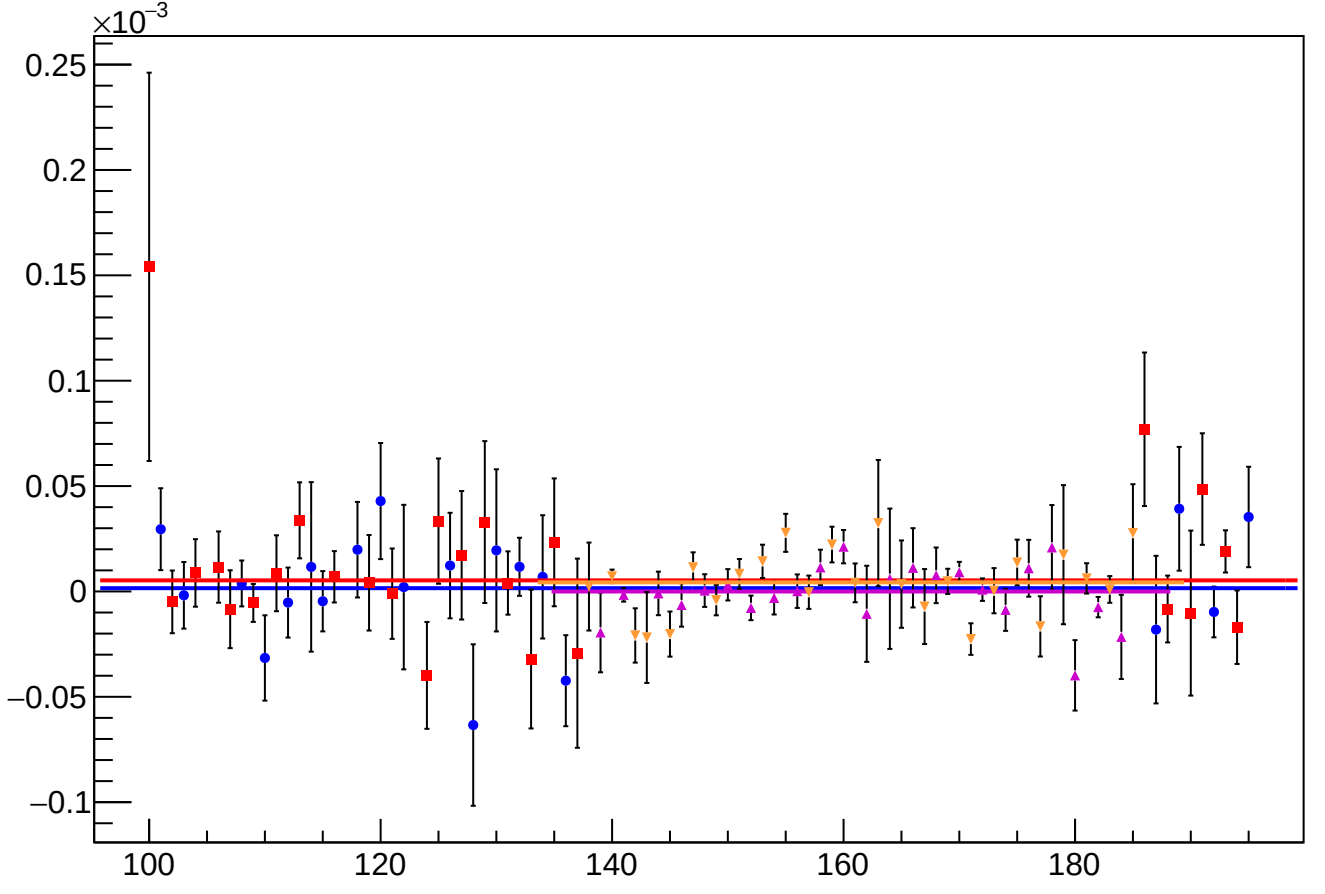
Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.753+/-0.030 χ^2/NDF: 7774096.2/44

All: 200.373+/-0.021 χ^2/NDF: 16877867.1/92

- sign 191.485+/-0.028 χ^2/NDF: 8887840.9/47



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: 25.8/24

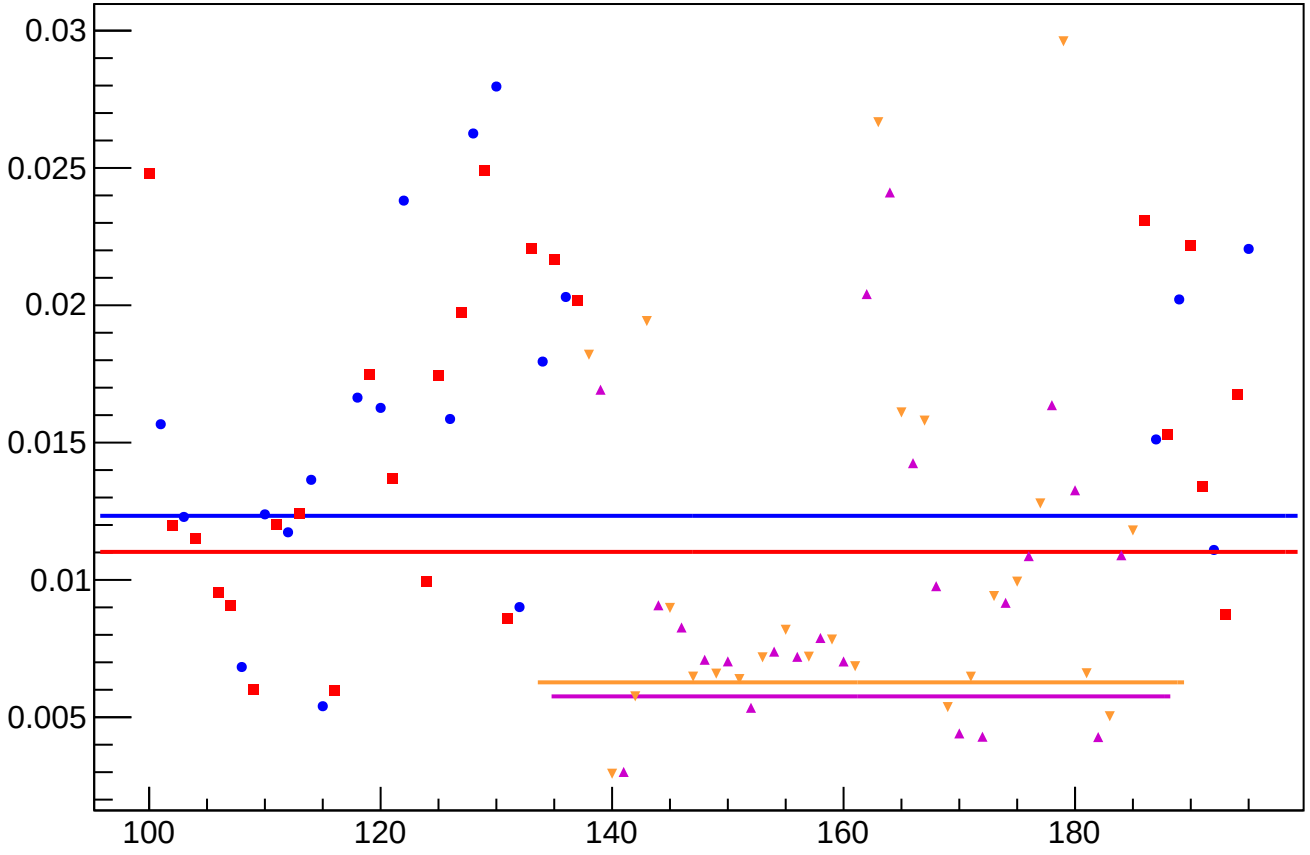
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.4/44

All: 0.000+/-0.000 χ^2/NDF: 126.2/92

- sign 0.000+/-0.000 χ^2/NDF: 56.6/47

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

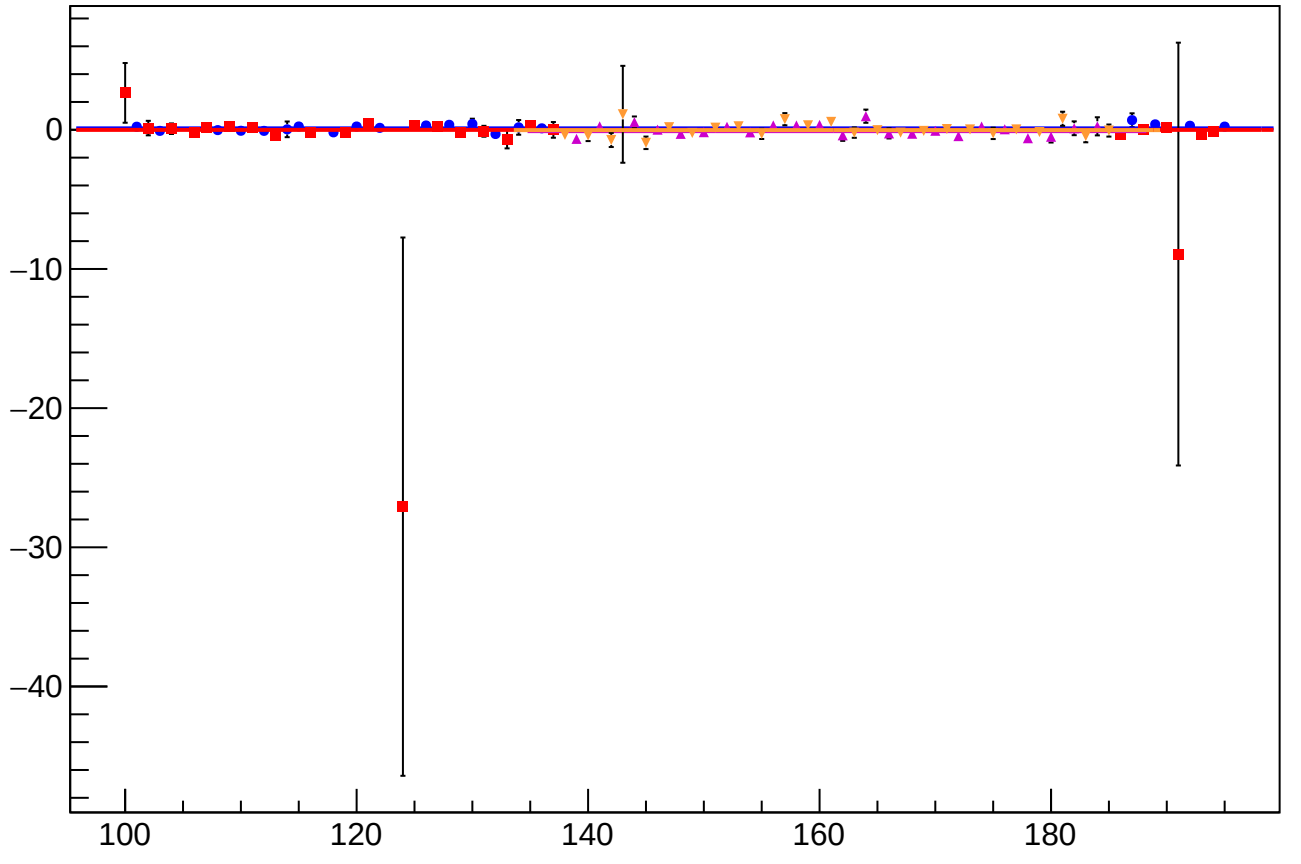
Right Out: 0.011+/-0.000 χ^2/NDF: 3256043.7/24

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: 28185389.2/92

- sign 0.007+/-0.000 χ^2/NDF: 13863935.1/47



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: 26.4/24

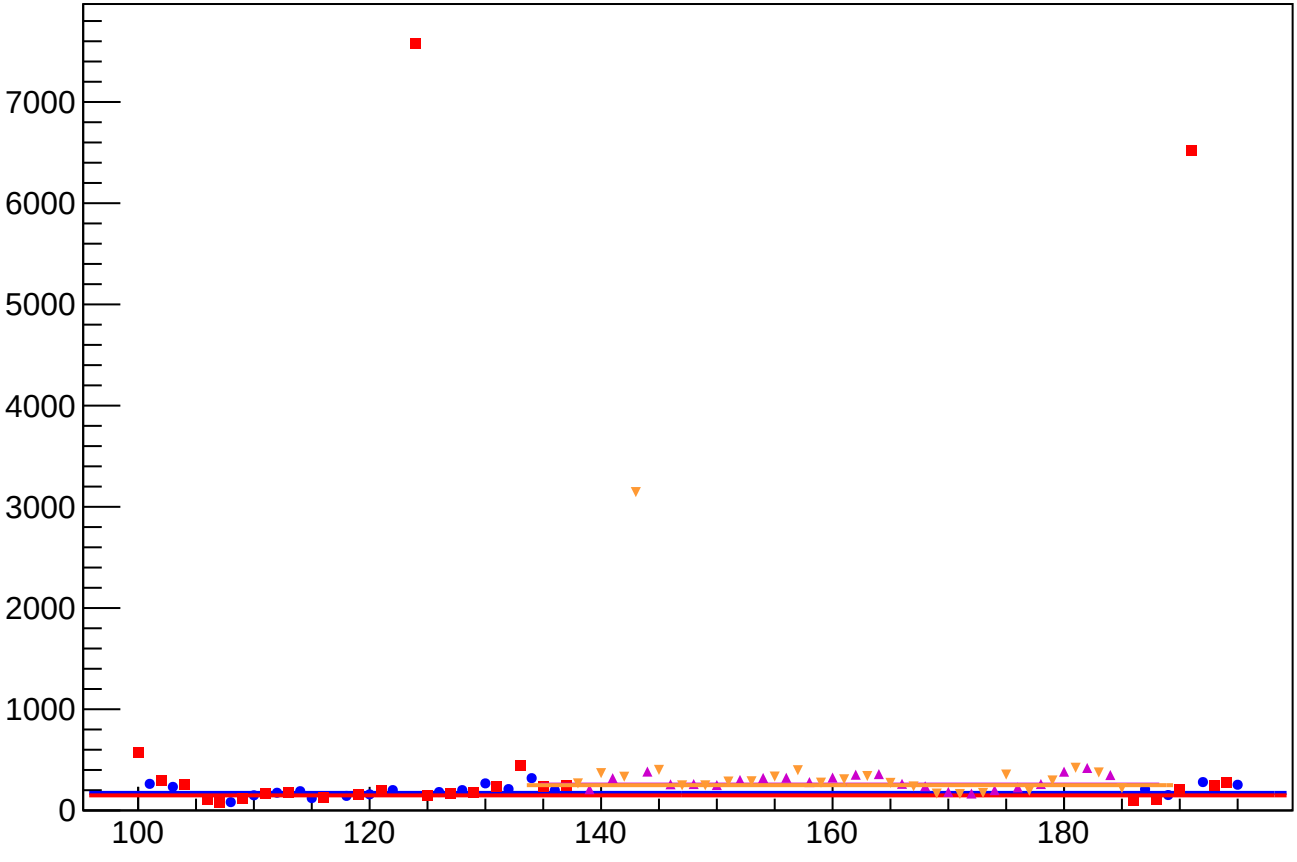
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.041+/-0.043 χ^2/NDF: 37.8/44

All: -0.003+/-0.029 χ^2/NDF: 98.9/92

\- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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

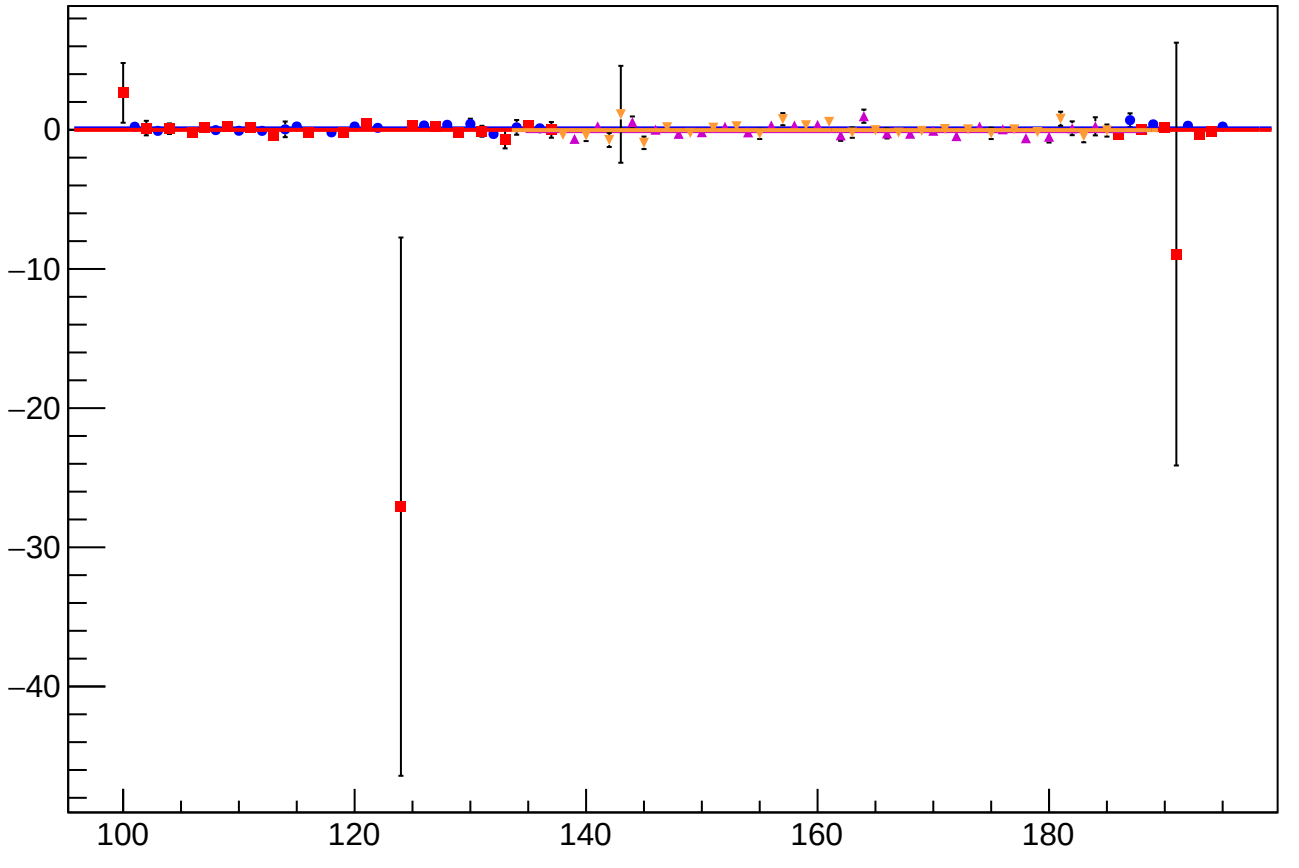
Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.752+/-0.030 χ^2/NDF: 7774344.8/44

All: 200.374+/-0.021 χ^2/NDF: 16877895.8/92

- sign 191.487+/-0.028 χ^2/NDF: 8887696.4/47



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

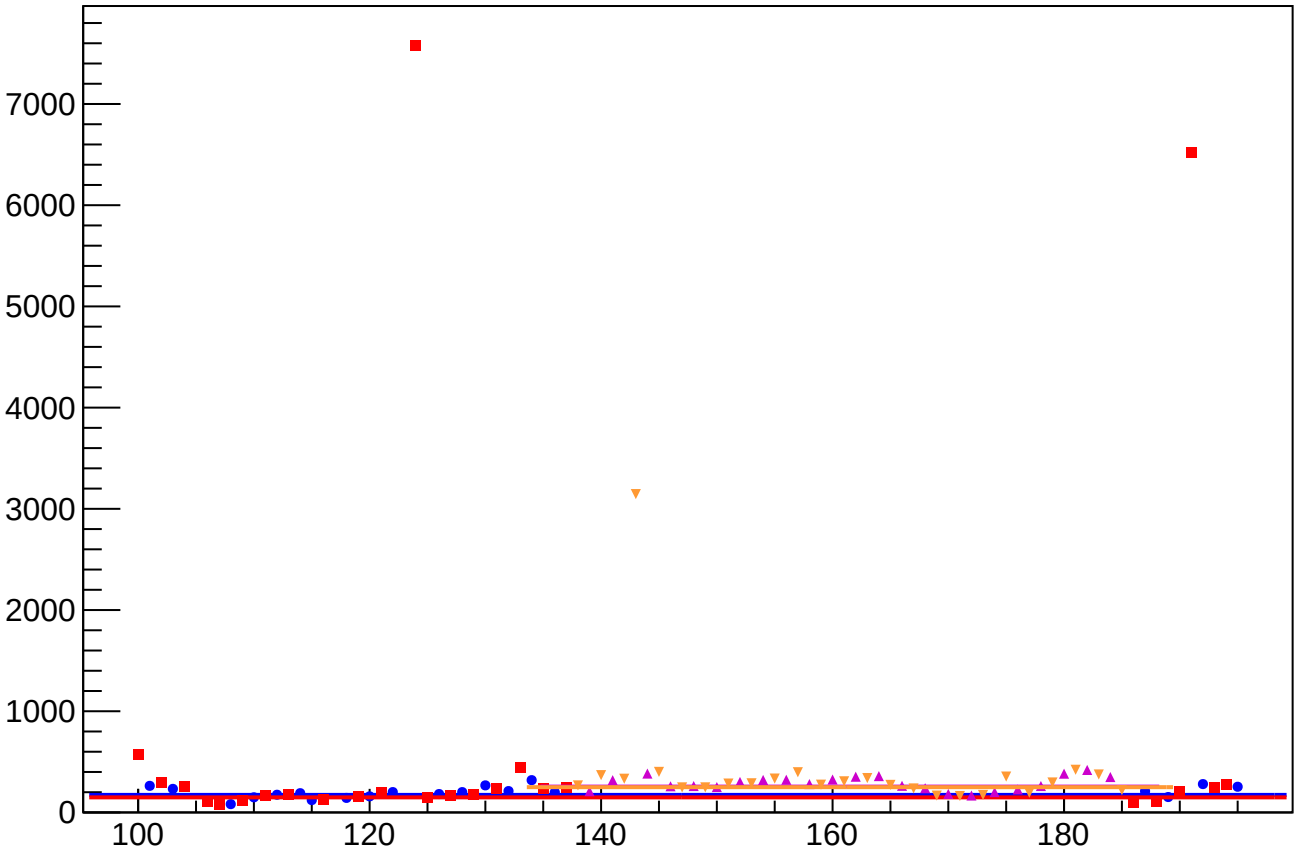
Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/24

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: 98.9/92

- sign -0.041+/-0.040 χ^2/NDF: 59.1/47



Right In: 173.501+/-0.043 χ^2/NDF: 1967403.4/19

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

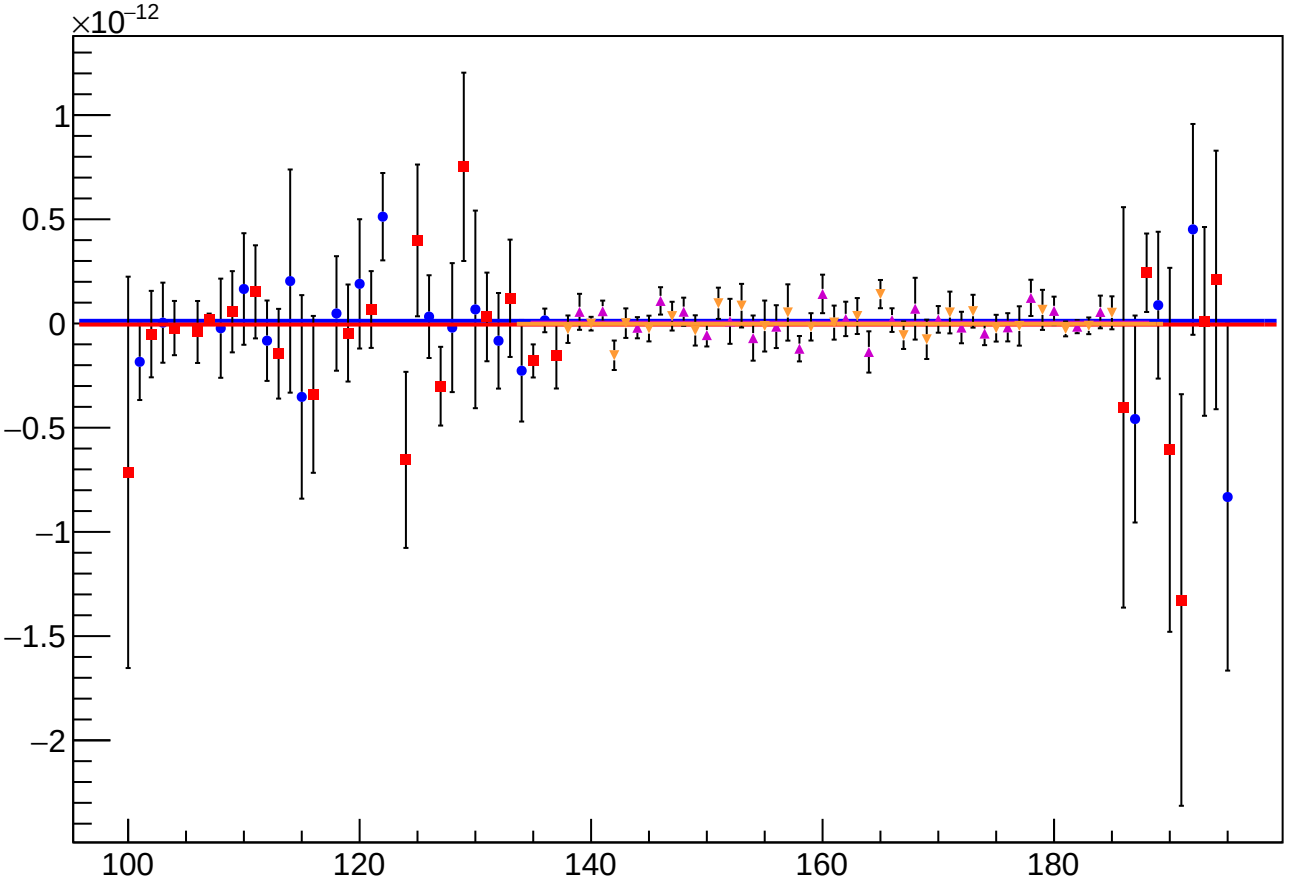
Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.752+/-0.030 χ^2/NDF: 7774344.8/44

All: 200.374+/-0.021 χ^2/NDF: 16877895.8/92

- sign 191.487+/-0.028 χ^2/NDF: 8887696.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

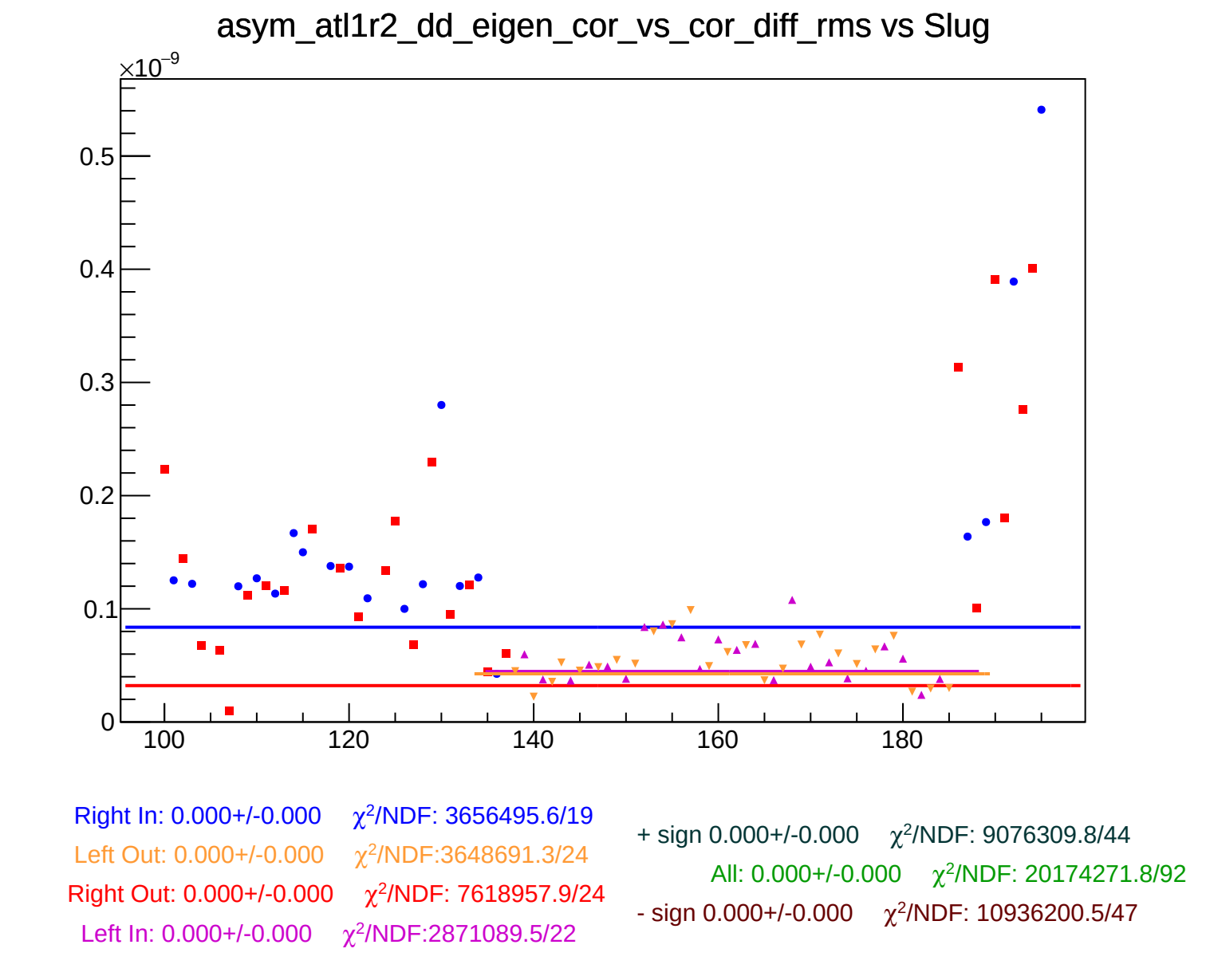
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

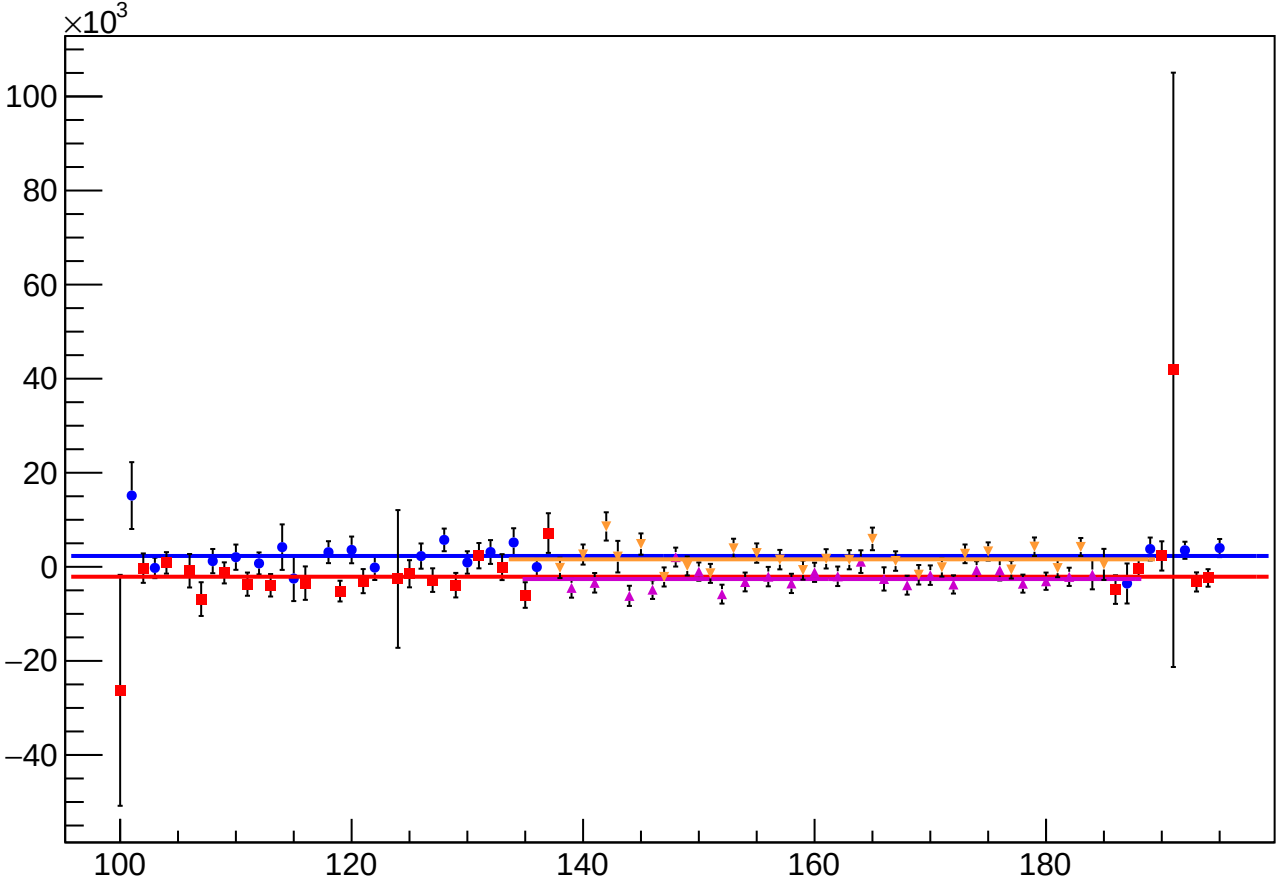
+ sign -0.000+/-0.000 χ^2/NDF: 28.8/44

All: 0.000+/-0.000 χ^2/NDF: 71.5/92

- sign 0.000+/-0.000 χ^2/NDF: 42.7/47


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
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: 7618957.9/24
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: 20174271.8/92
- sign 0.000+/-0.000 χ²/NDF: 10936200.5/47

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: -2104.930+/-547.965 χ^2/NDF: 23.4/24

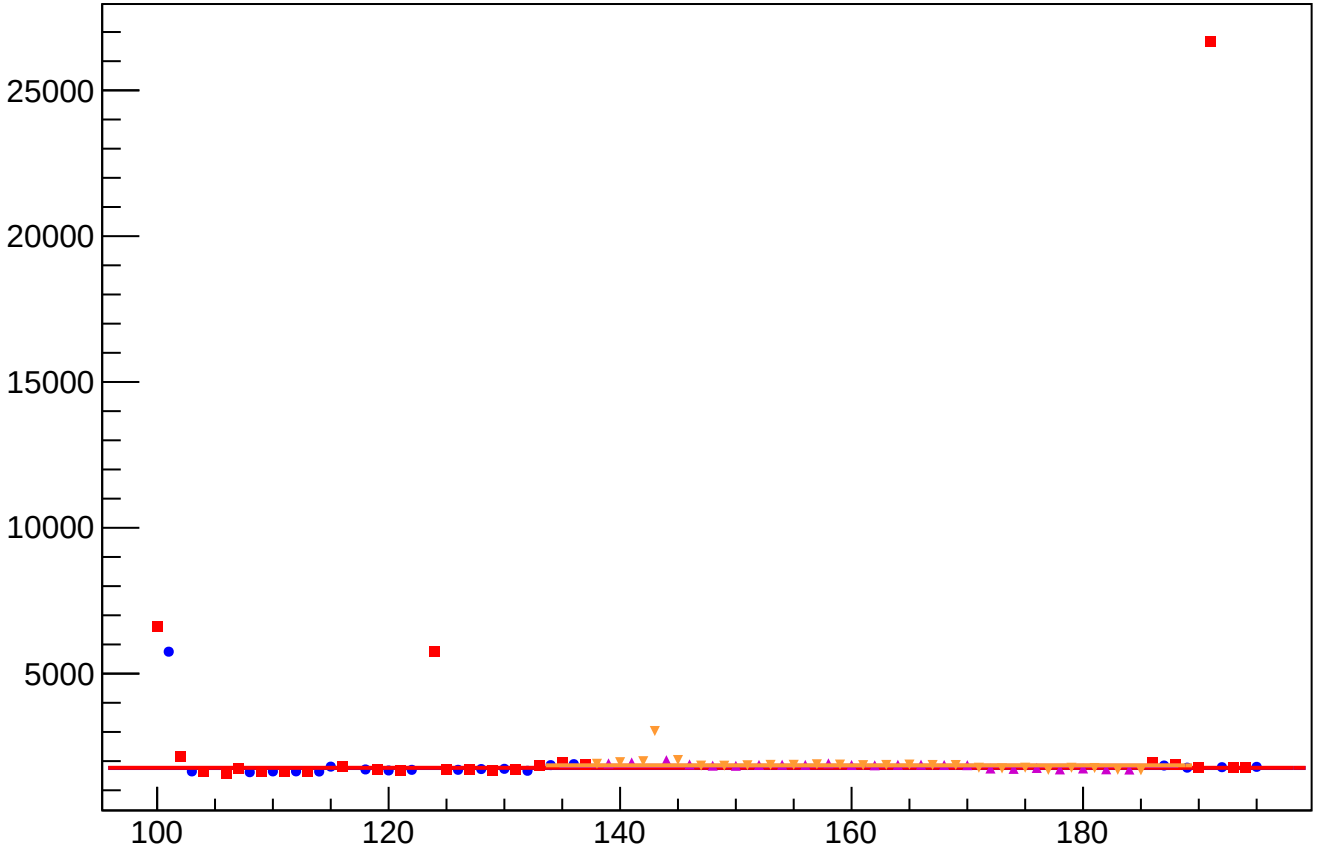
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.903+/-340.605 χ^2/NDF: 48.1/44

All: -296.105+/-240.069 χ^2/NDF: 170.6/92

- sign -2409.768+/-338.423 χ^2/NDF: 44.0/47

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: 1770.732+/-0.385 χ^2/NDF: 638480.9/24

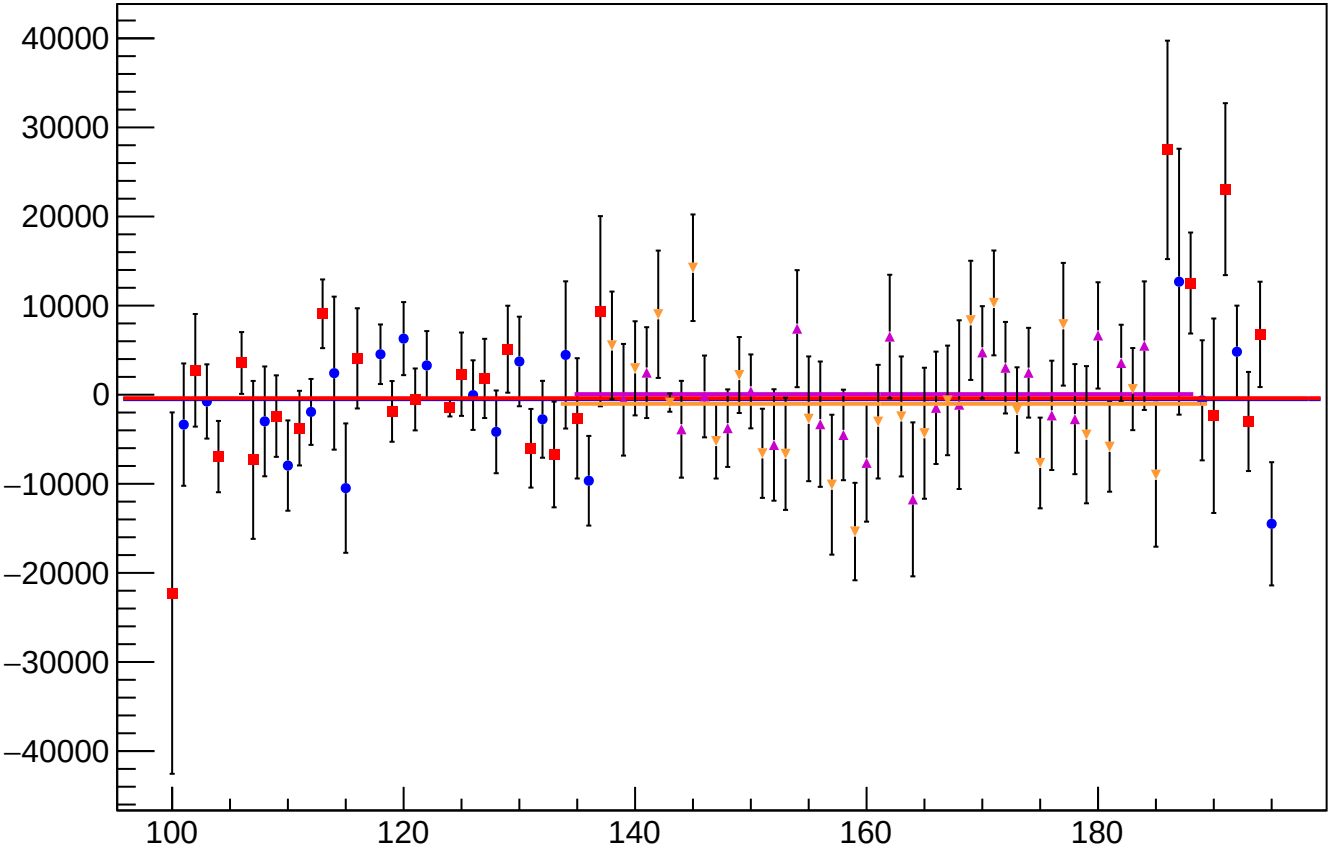
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.3/44

All: 1818.484+/-0.170 χ^2/NDF: 1761876.2/92

- sign 1814.015+/-0.239 χ^2/NDF: 729929.6/47

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: -394.977+/-704.212 χ^2/NDF: 38.6/24

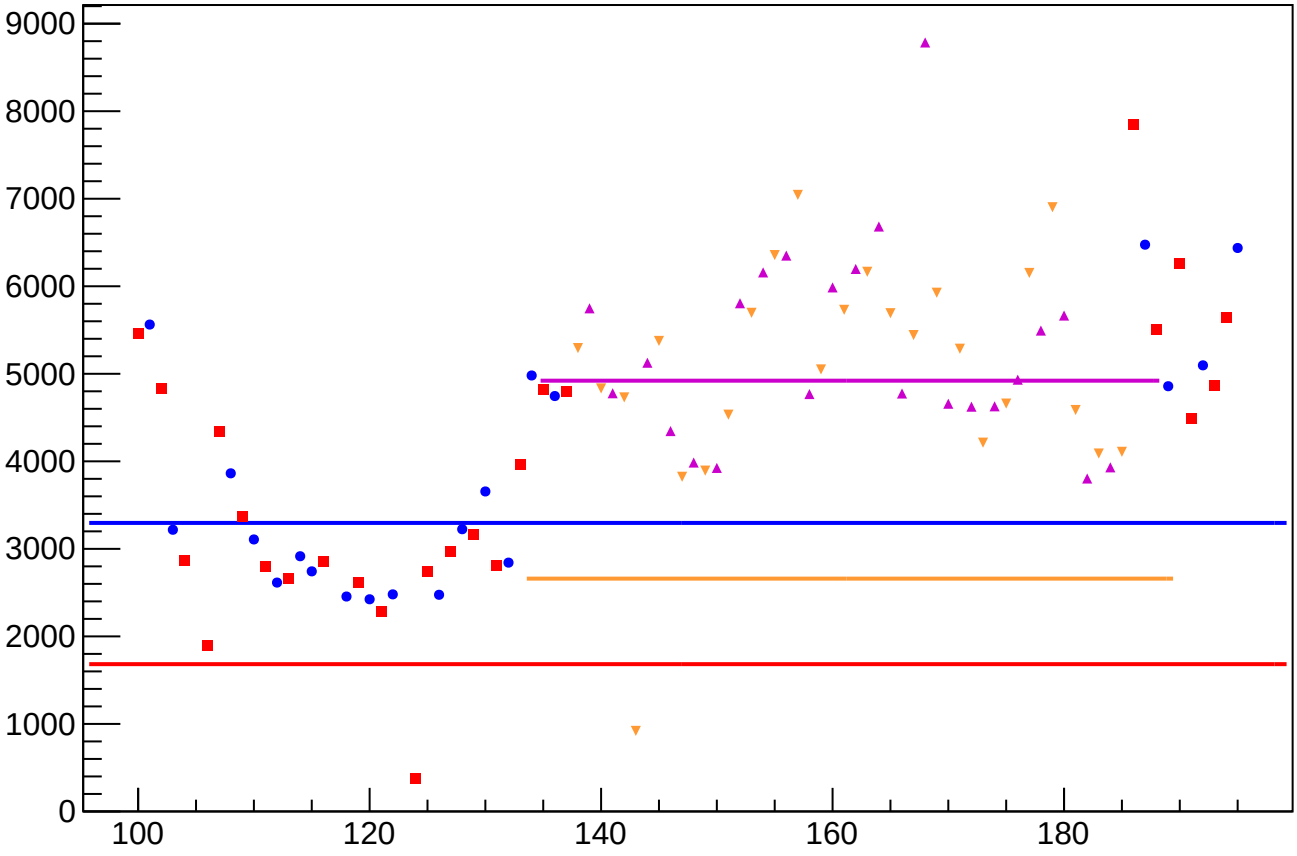
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -848.903+/-633.923 χ^2/NDF: 55.8/44

All: -547.414+/-437.221 χ^2/NDF: 107.9/92

- sign -273.876+/-603.822 χ^2/NDF: 51.7/47

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: 1682.872+/-0.498 χ^2/NDF: 10487336.8/24

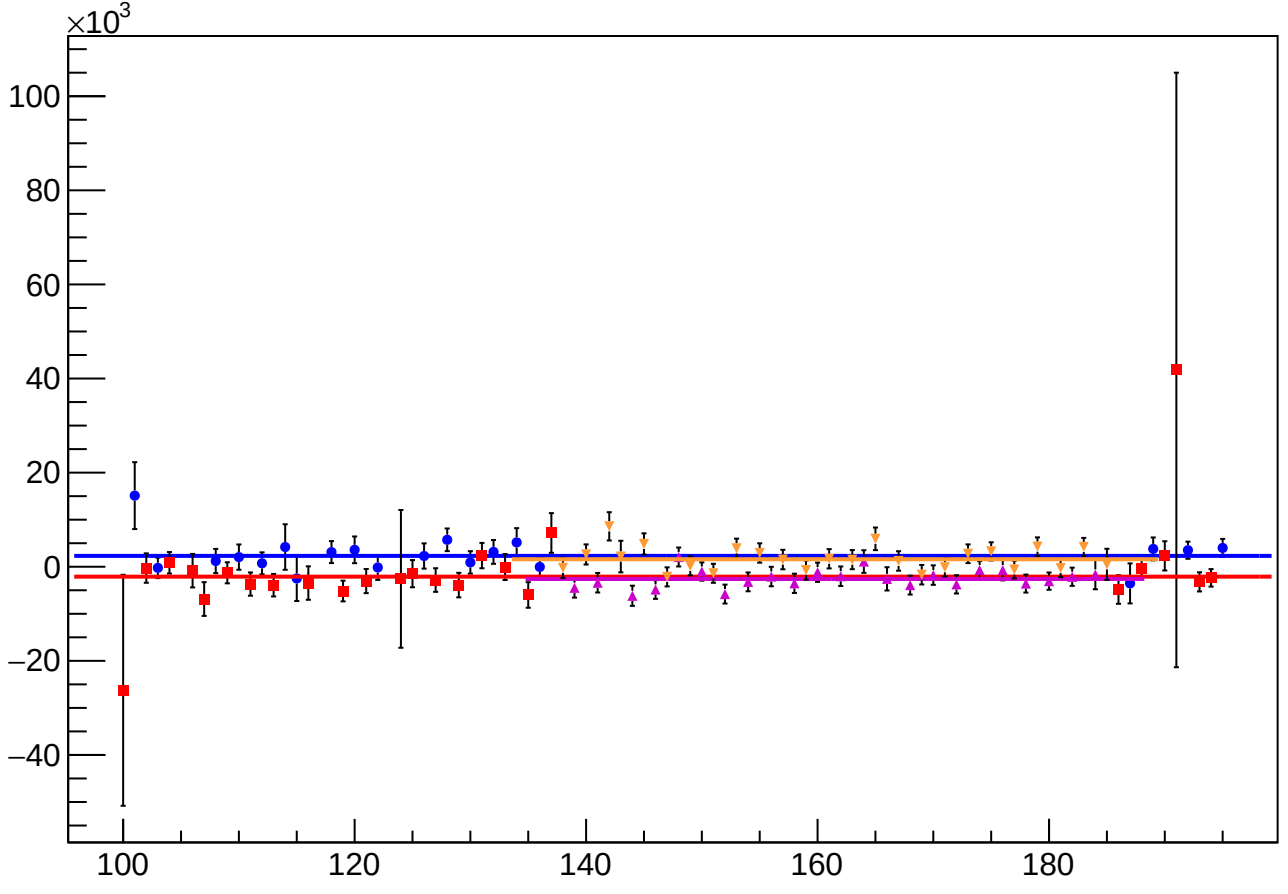
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2867.072+/-0.448 χ^2/NDF: 16829552.7/44

All: 2695.788+/-0.309 χ^2/NDF: 40046045.1/9

- sign 2540.384+/-0.427 χ^2/NDF: 22938003.8/47

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: -2104.959+/-547.965 χ^2/NDF: 23.4/24

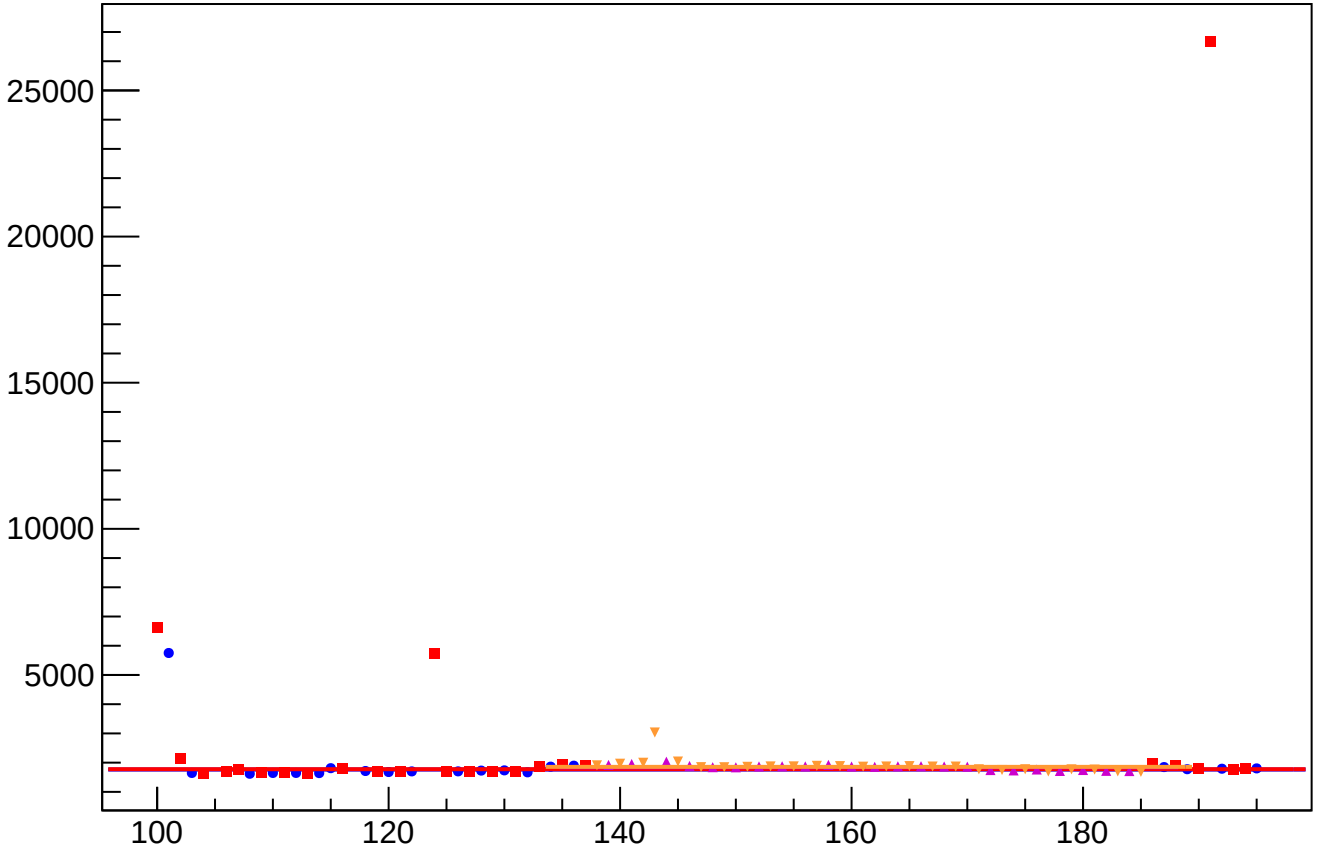
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.801+/-340.605 χ^2/NDF: 48.1/44

All: -296.184+/-240.069 χ^2/NDF: 170.6/92

- sign -2409.823+/-338.423 χ^2/NDF: 44.0/47

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: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

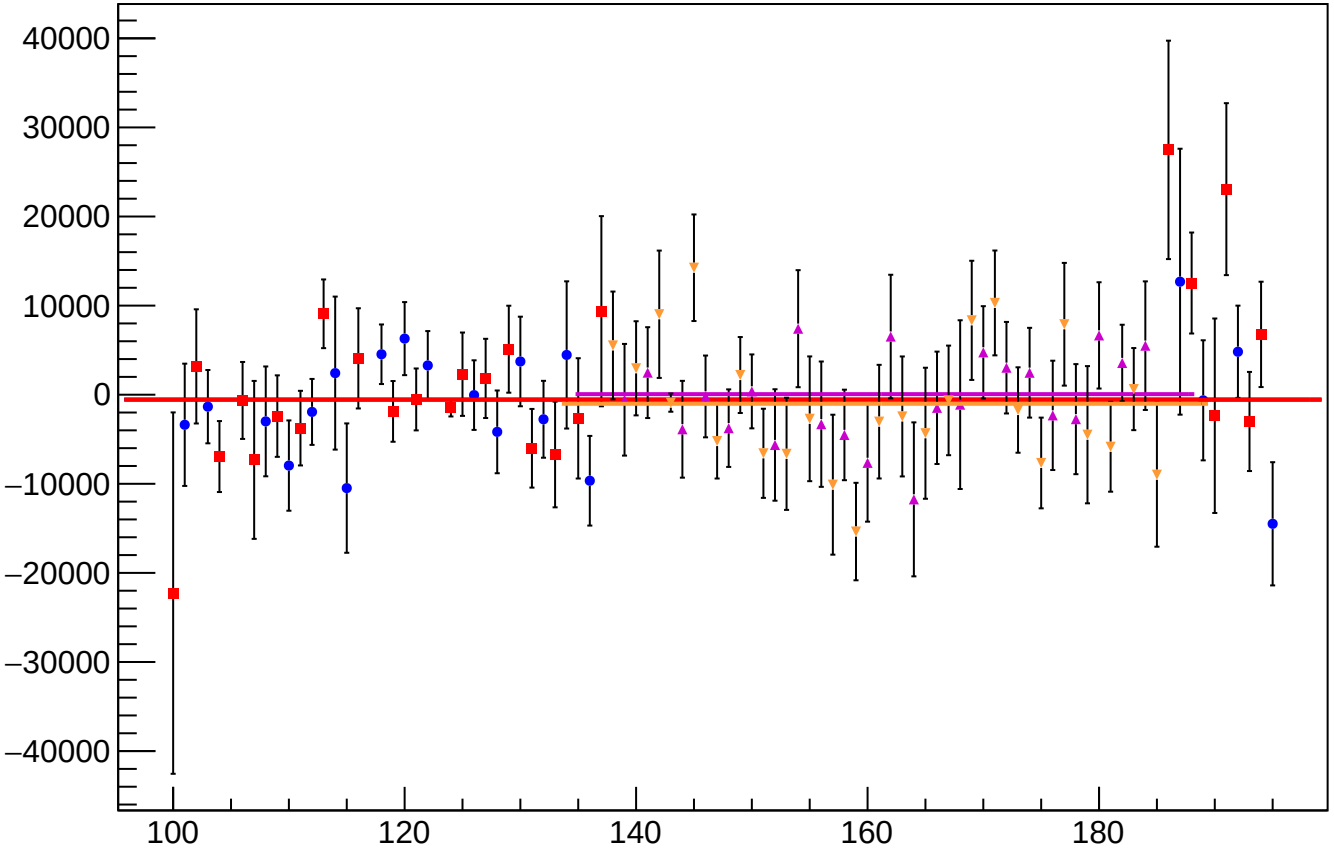
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.7/44

All: 1819.467+/-0.170 χ^2/NDF: 1750234.3/92

- sign 1815.957+/-0.239 χ^2/NDF: 718559.4/47

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: -565.039+/-709.435 χ^2/NDF: 37.3/24

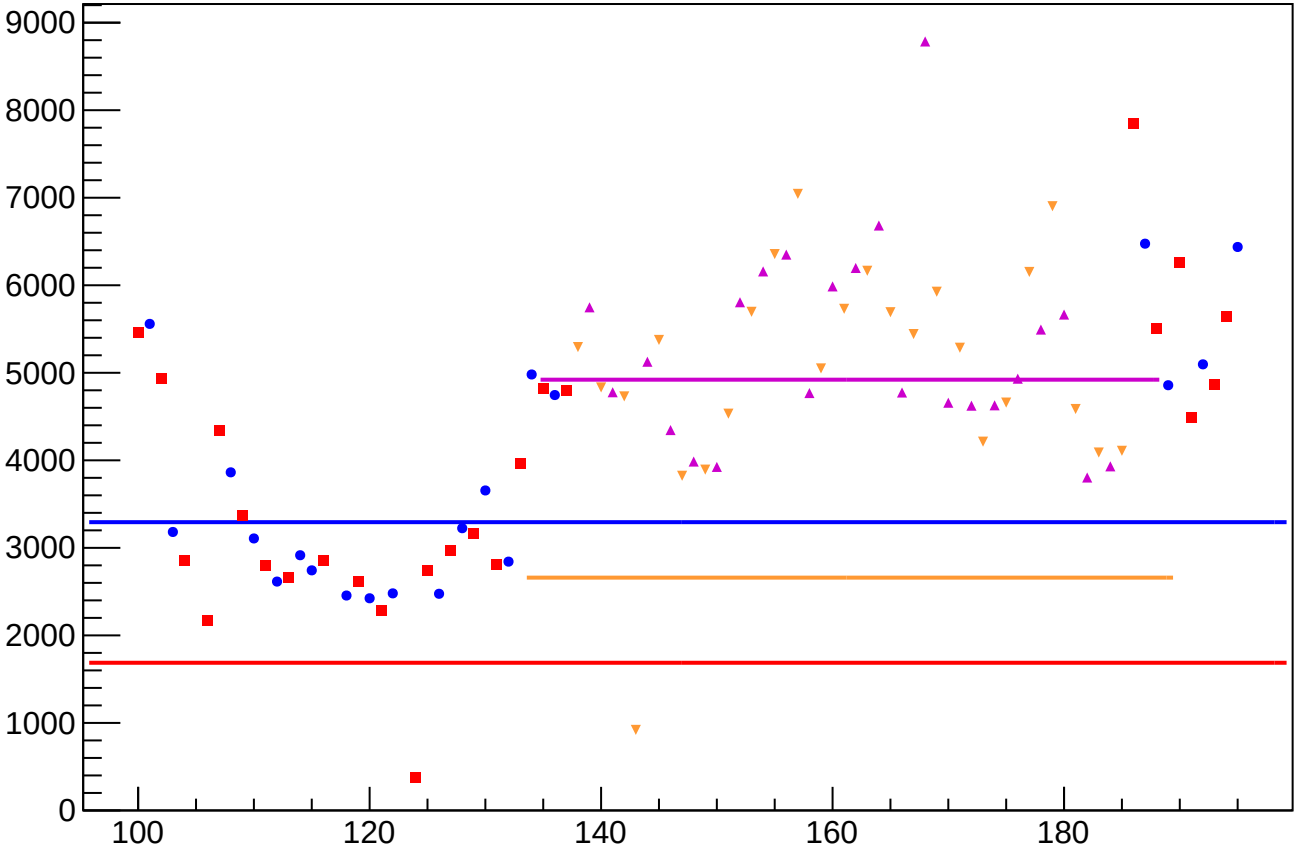
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -862.755+/-633.723 χ^2/NDF: 55.8/44

All: -619.952+/-438.396 χ^2/NDF: 106.6/92

- sign -397.117+/-607.105 χ^2/NDF: 50.5/47

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: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

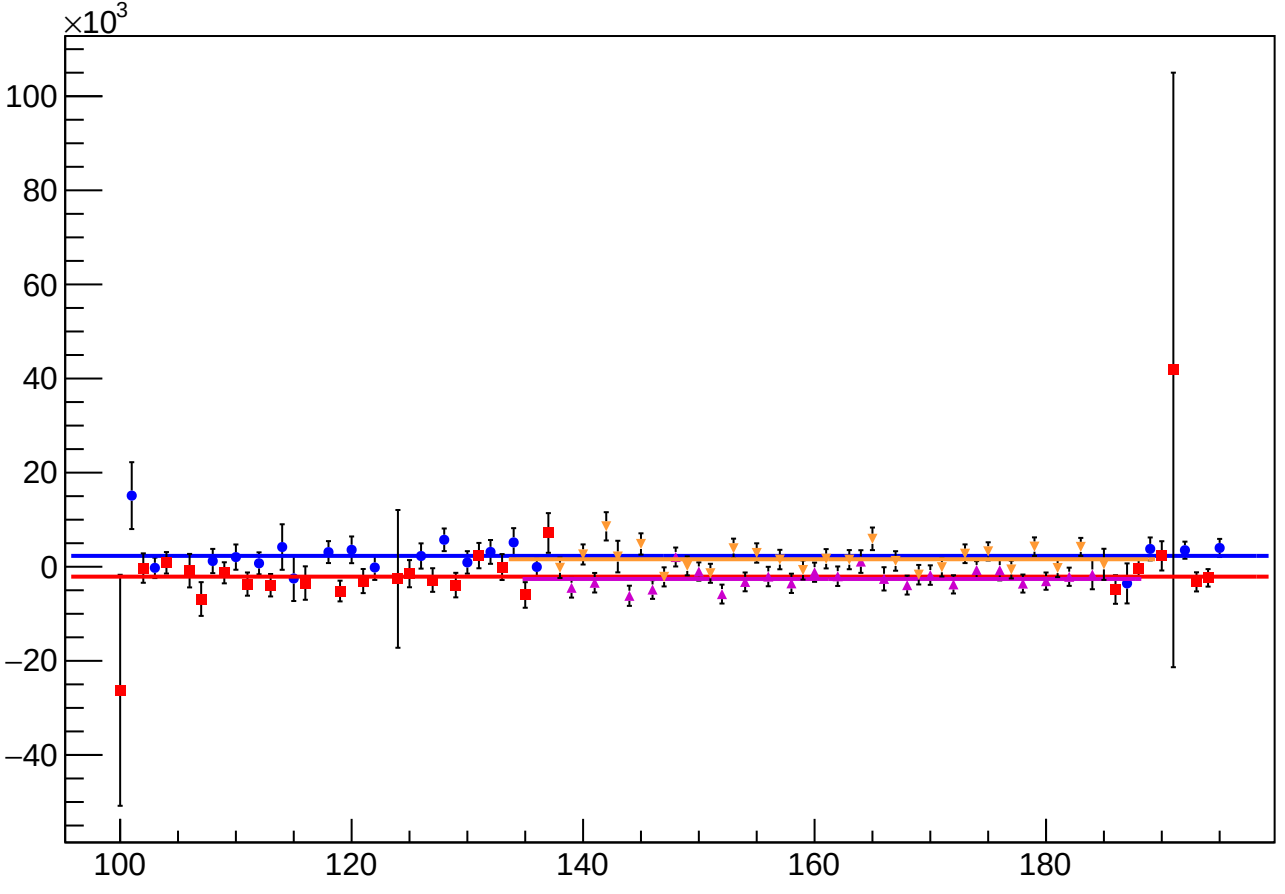
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2866.332+/-0.448 χ^2/NDF: 16827445.5/44

All: 2702.936+/-0.310 χ^2/NDF: 39979706.4/9

- sign 2552.978+/-0.429 χ^2/NDF: 22897280.5/47

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: -2104.959+/-547.965 χ^2/NDF: 23.4/24

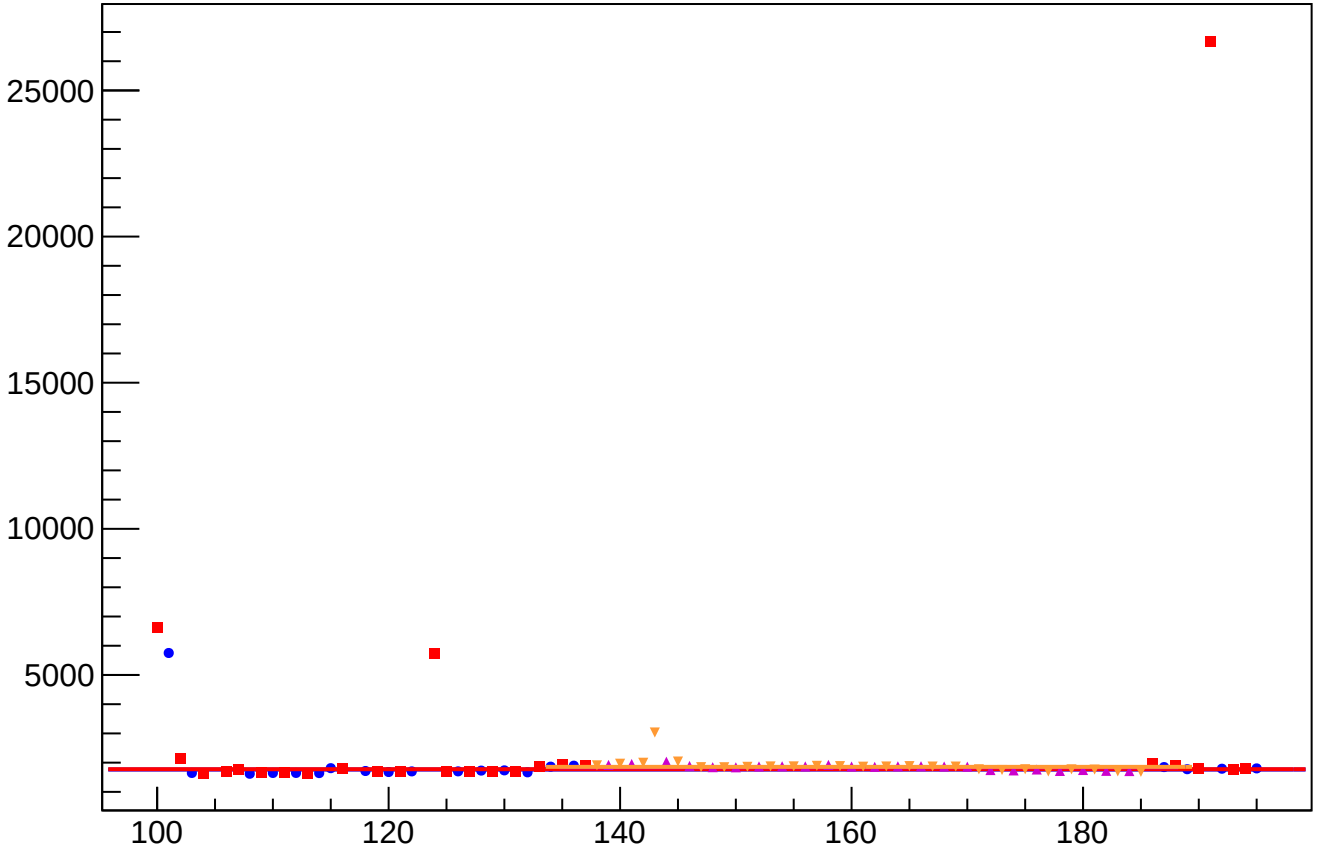
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1844.801+/-340.605 χ^2/NDF: 48.1/44

All: -296.184+/-240.069 χ^2/NDF: 170.6/92

- sign -2409.823+/-338.423 χ^2/NDF: 44.0/47

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

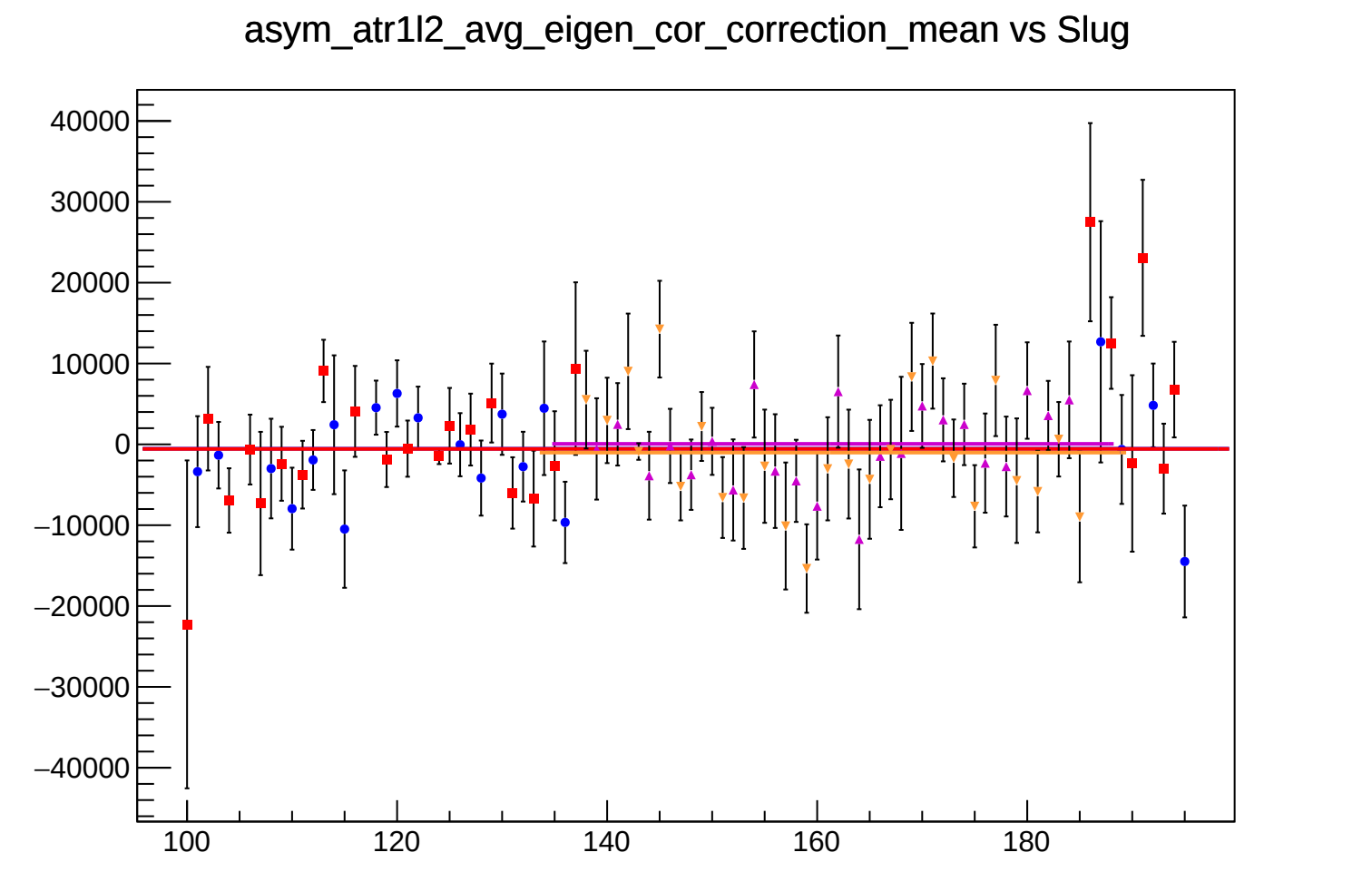
Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.029+/-0.241 χ^2/NDF: 1031240.7/44

All: 1819.467+/-0.170 χ^2/NDF: 1750234.3/92

- sign 1815.957+/-0.239 χ^2/NDF: 718559.4/47



Right In: -540.019+/-1110.264 χ^2/NDF: 21.9/19

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

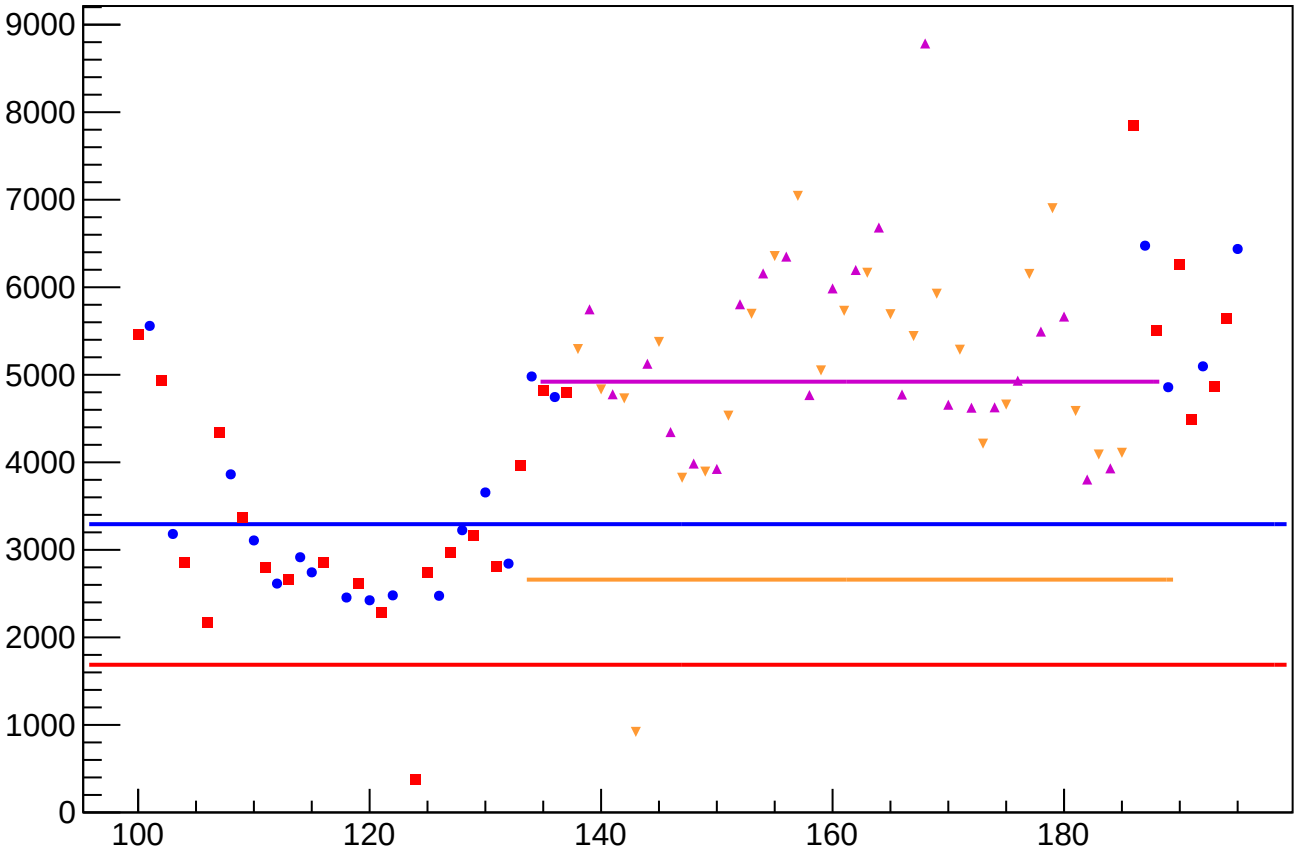
Right Out: -565.039+/-709.435 χ^2/NDF: 37.3/24

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -862.755+/-633.723 χ^2/NDF: 55.8/44

All: -619.952+/-438.396 χ^2/NDF: 106.6/92

- sign -397.117+/-607.105 χ^2/NDF: 50.5/47



Right In: 3293.507+/-0.785 χ^2/NDF: 1851495.6/19

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

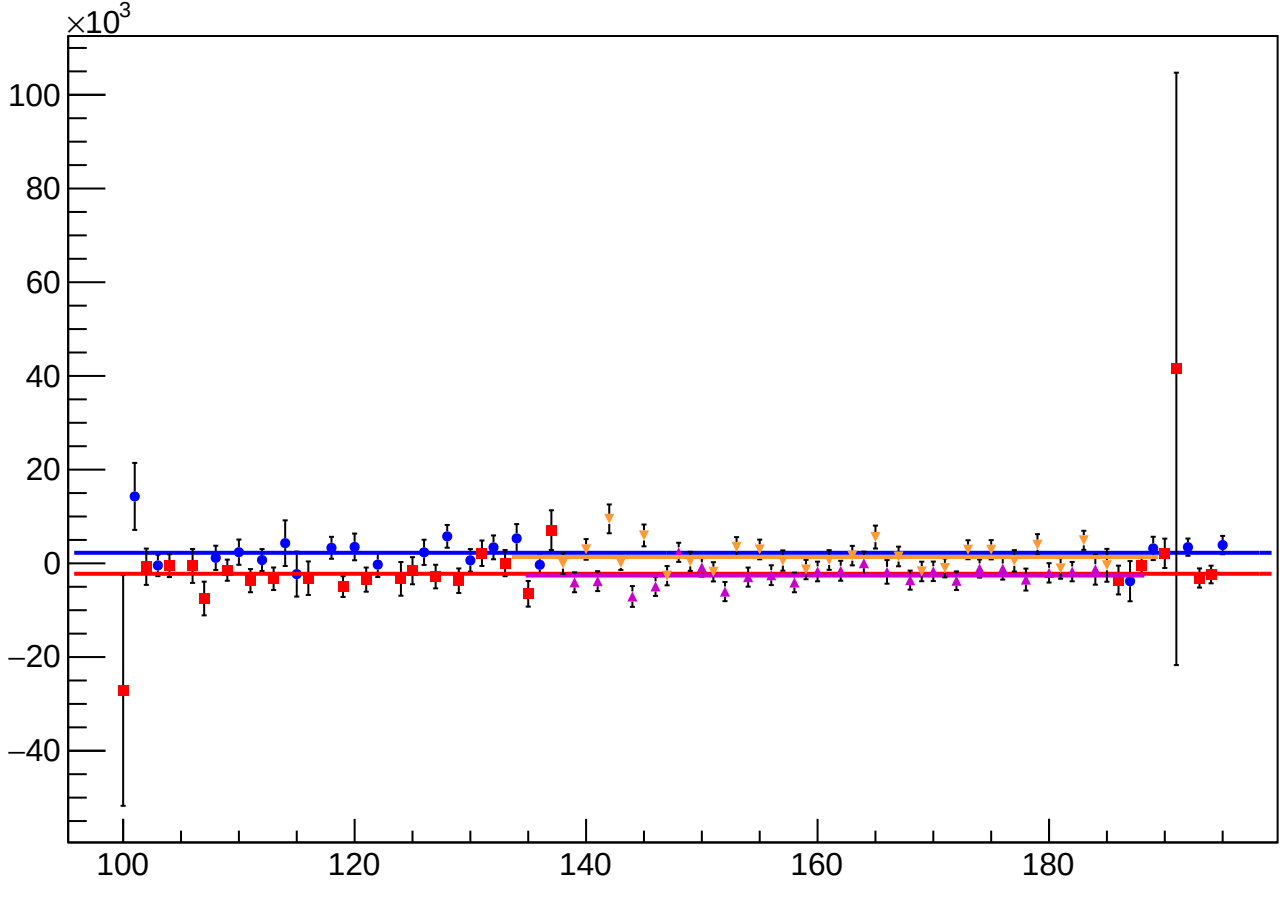
Right Out: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2866.332+/-0.448 χ^2/NDF: 16827445.5/44

All: 2702.936+/-0.310 χ^2/NDF: 39979706.4/9

- sign 2552.978+/-0.429 χ^2/NDF: 22897280.5/47



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: -2223.860+/-550.046 χ^2/NDF: 21.2/24

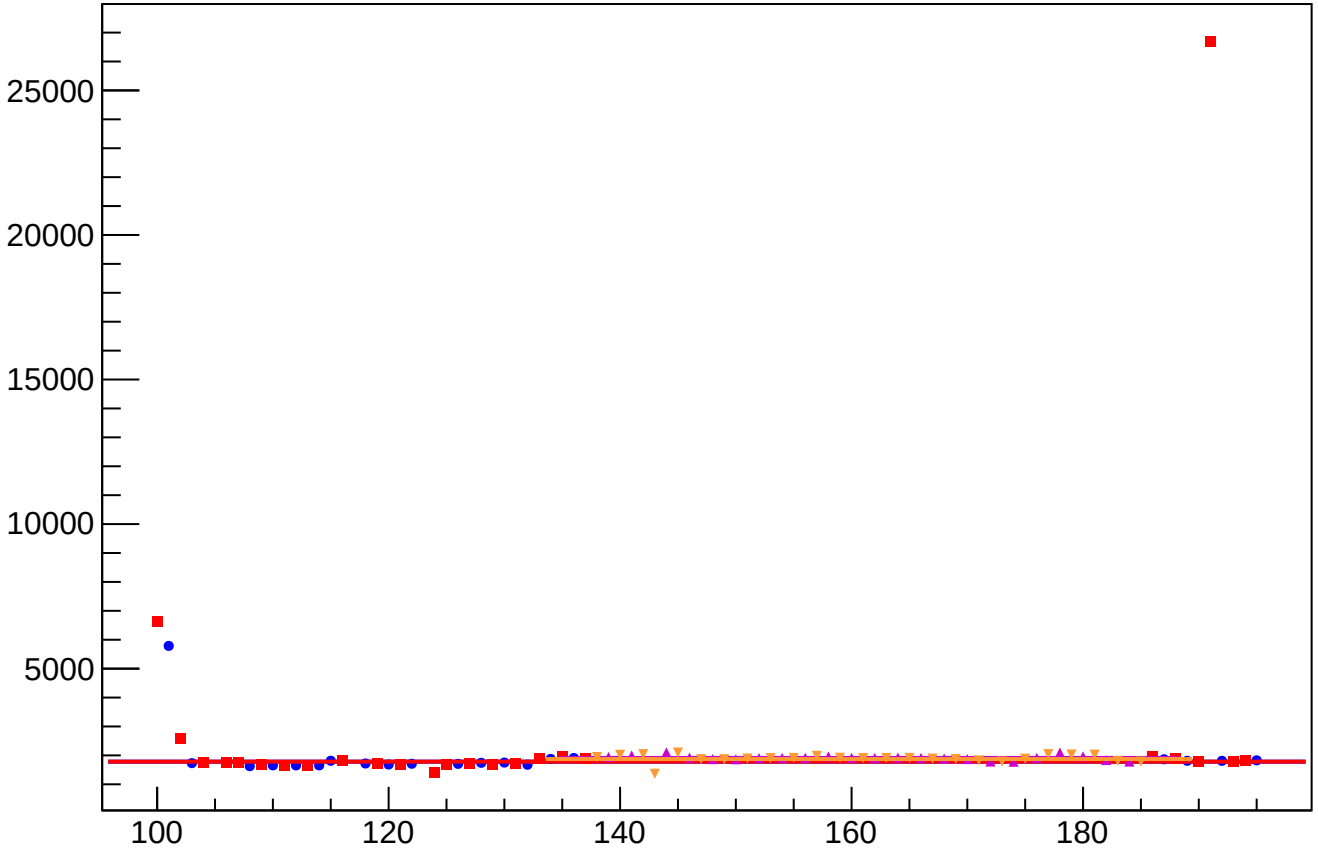
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1677.193+/-344.001 χ^2/NDF: 53.5/44

All: -370.922+/-244.220 χ^2/NDF: 166.5/92

- sign -2452.206+/-346.775 χ^2/NDF: 41.5/47

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: 1783.592+/-0.388 χ^2/NDF: 552470.3/24

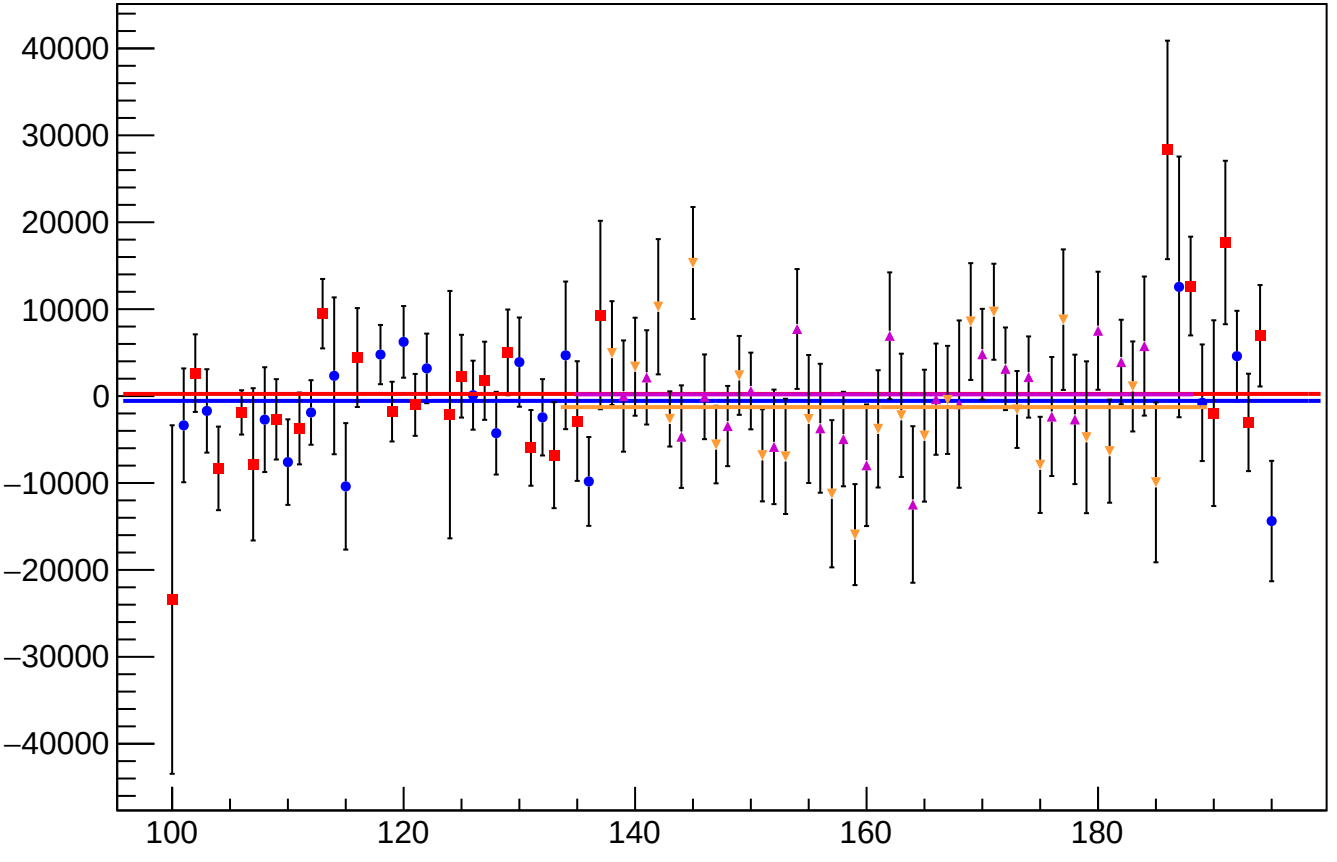
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1841.187+/-0.243 χ^2/NDF: 1012481.2/44

All: 1850.774+/-0.173 χ^2/NDF: 1692453.2/92

- sign 1860.501+/-0.245 χ^2/NDF: 676842.8/47

asym_atr1l2_avg_dit_correction_mean vs Slug



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: 248.548+/-1003.559 χ^2/NDF: 34.5/24

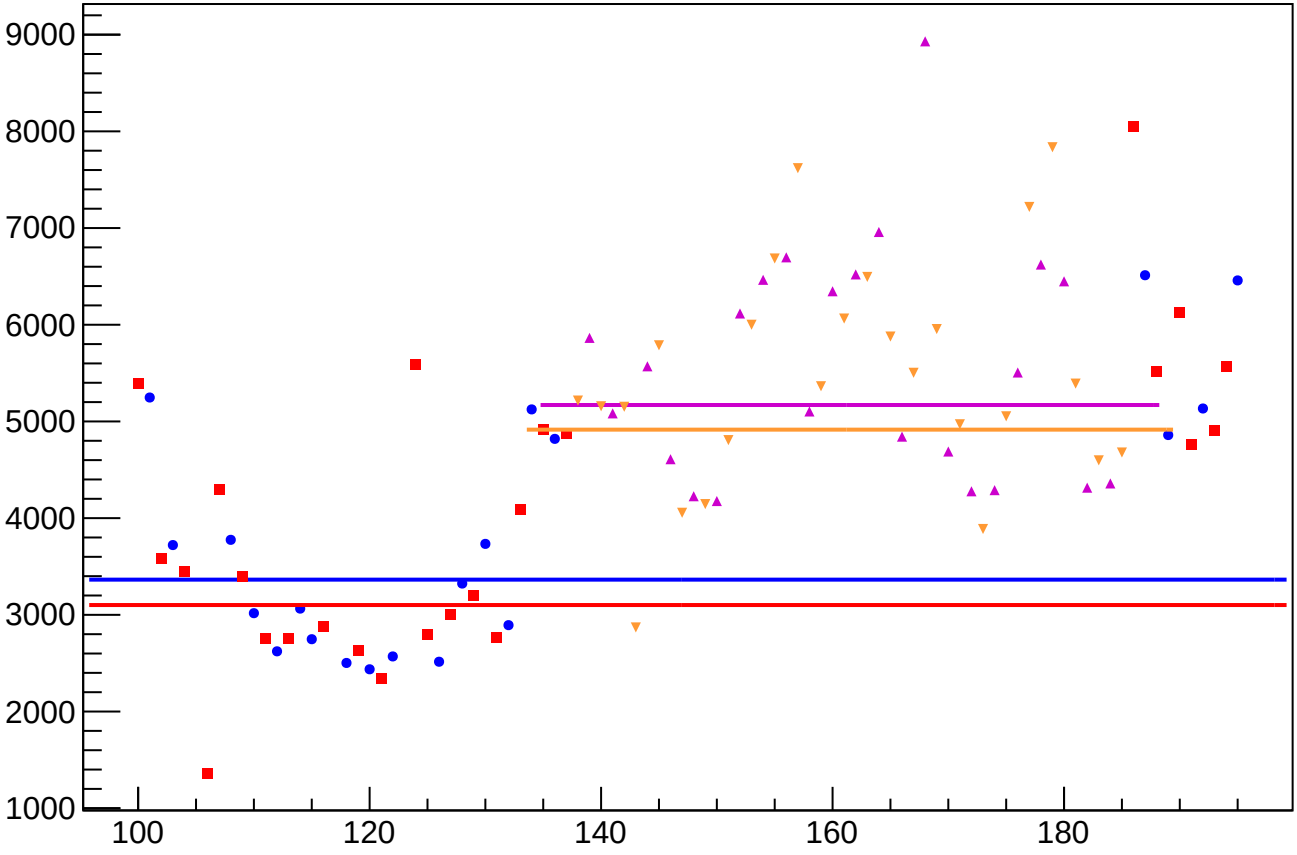
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -903.948+/-808.829 χ^2/NDF: 55.1/44

All: -316.513+/-560.982 χ^2/NDF: 103.4/92

- sign 228.005+/-778.723 χ^2/NDF: 47.3/47

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: 3101.400+/-0.710 χ^2/NDF: 2988104.6/24

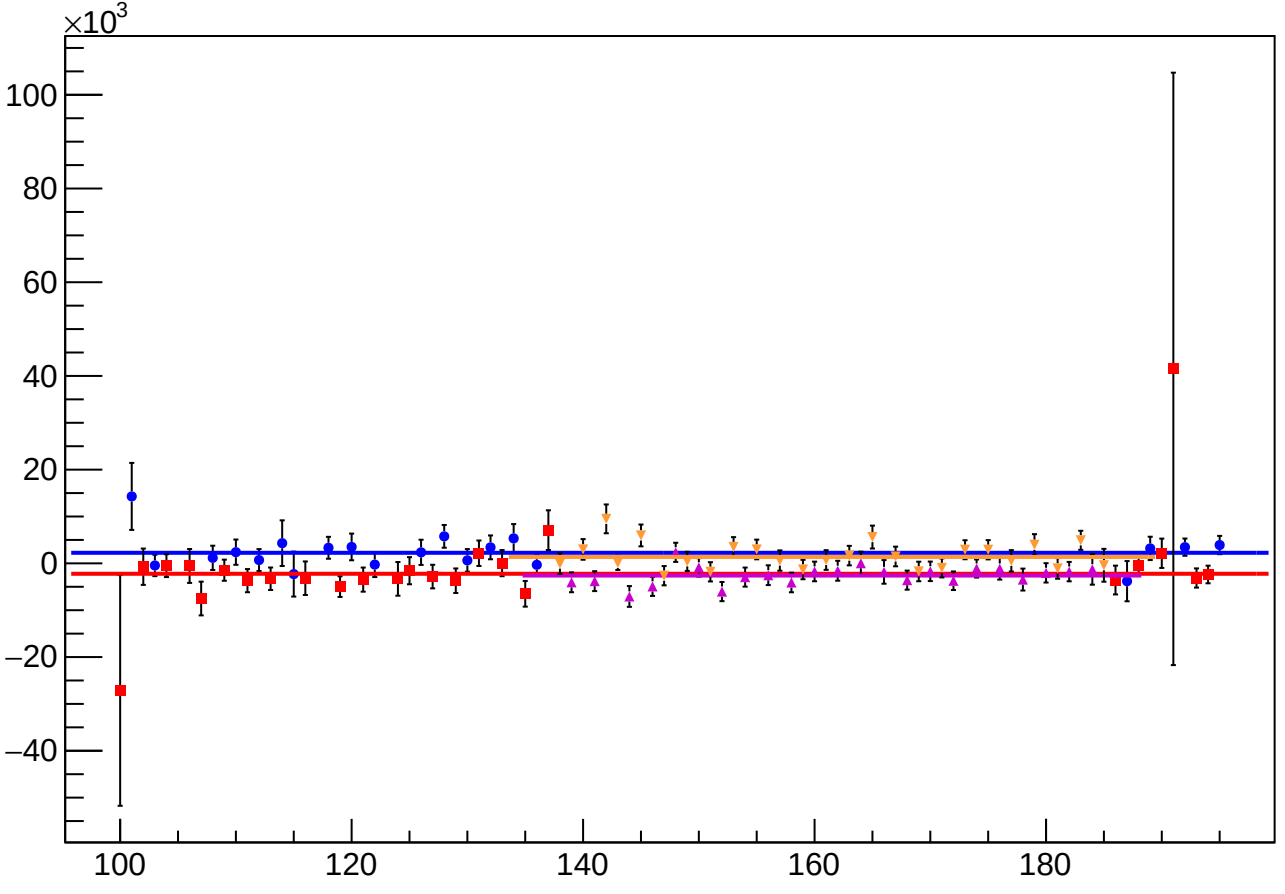
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4123.252+/-0.572 χ^2/NDF: 5794375.6/44

All: 4020.095+/-0.397 χ^2/NDF: 13575039.0/9

- sign 3924.474+/-0.551 χ^2/NDF: 7717975.8/47

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: -2223.859+/-550.046 χ^2/NDF: 21.2/24

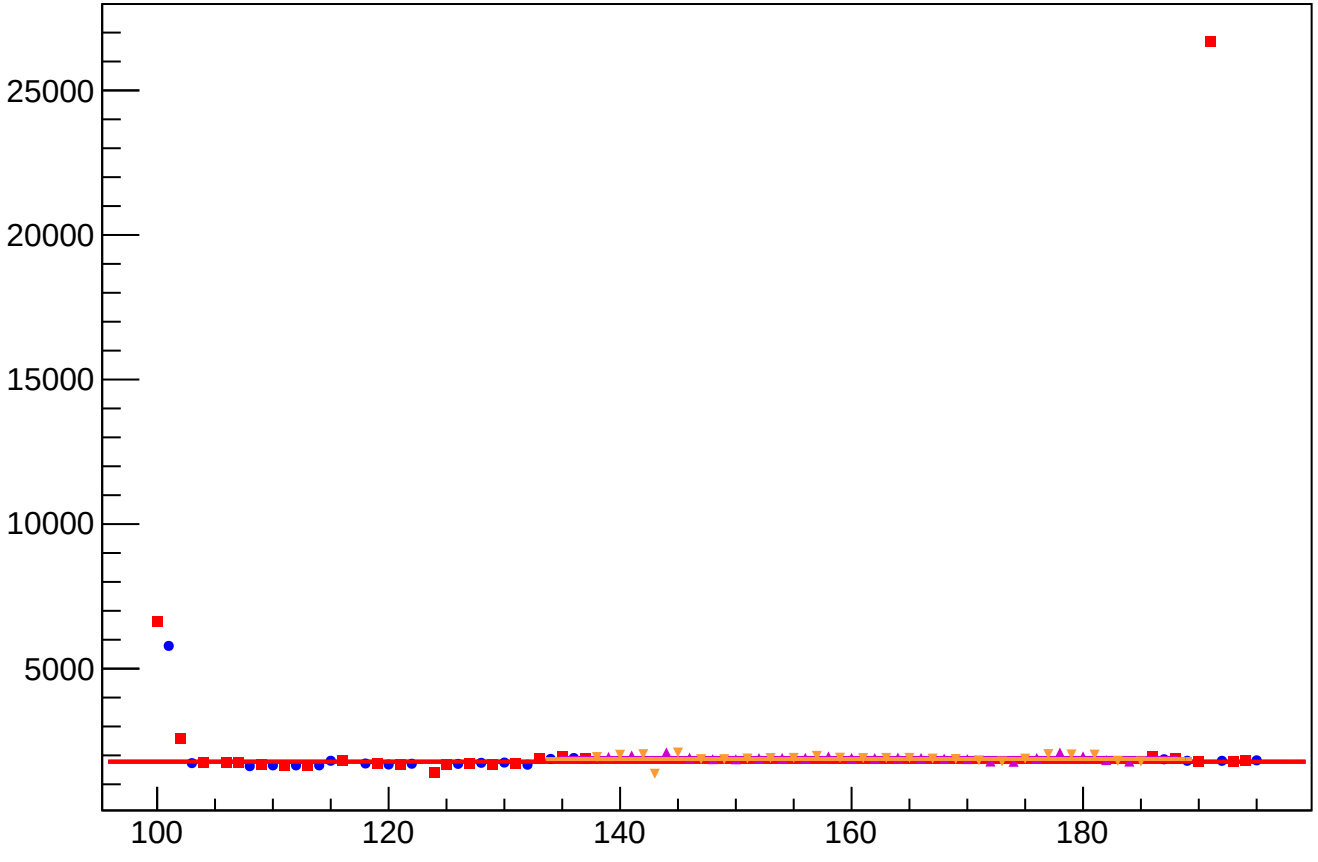
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1677.190+/-344.001 χ^2/NDF: 53.5/44

All: -370.922+/-244.220 χ^2/NDF: 166.5/92

- sign -2452.205+/-346.775 χ^2/NDF: 41.5/47

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

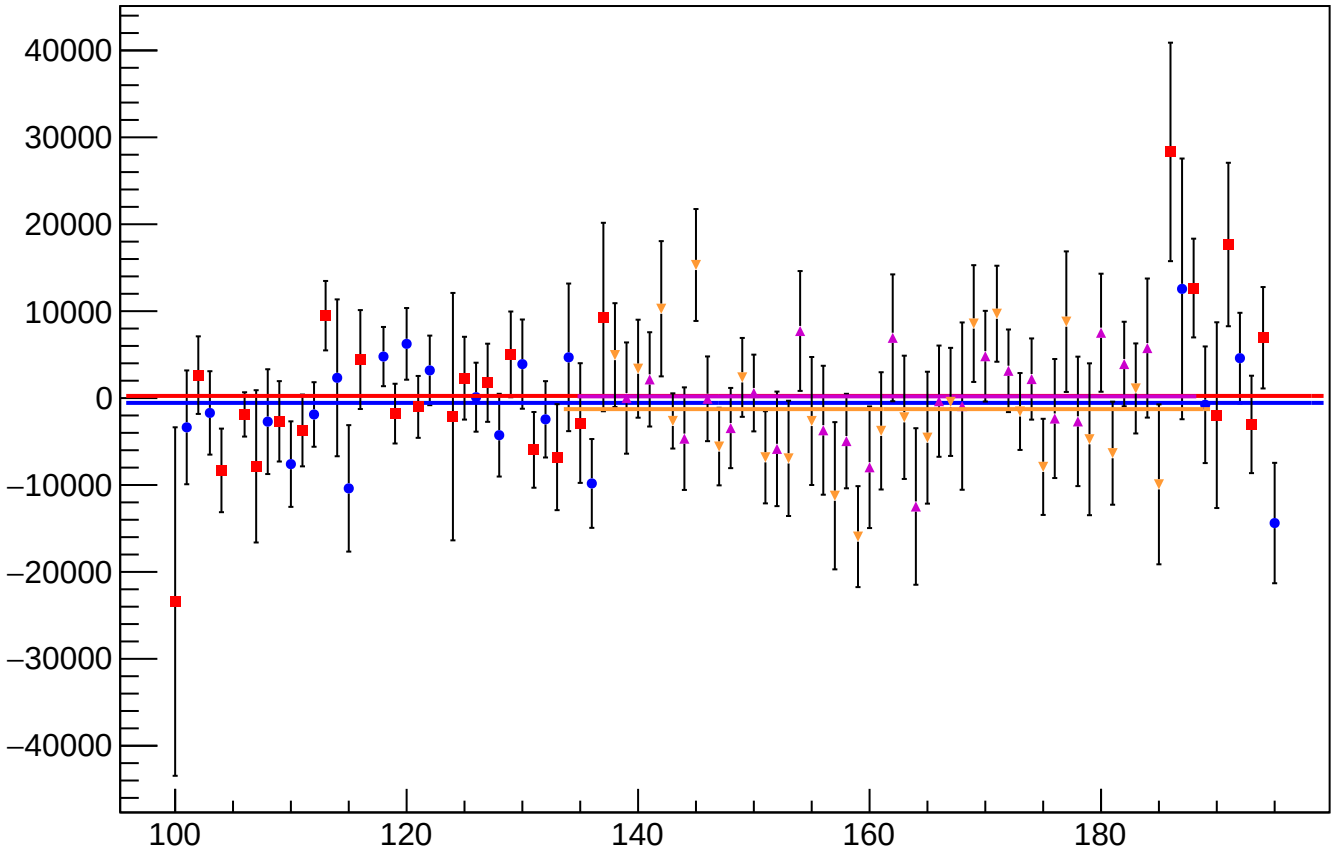
Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.2/24

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1841.188+/-0.243 χ^2/NDF: 1012485.4/44

All: 1850.774+/-0.173 χ^2/NDF: 1692460.7/92

- sign 1860.502+/-0.245 χ^2/NDF: 676846.2/47



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: 248.540+/-1003.556 χ^2/NDF: 34.5/24

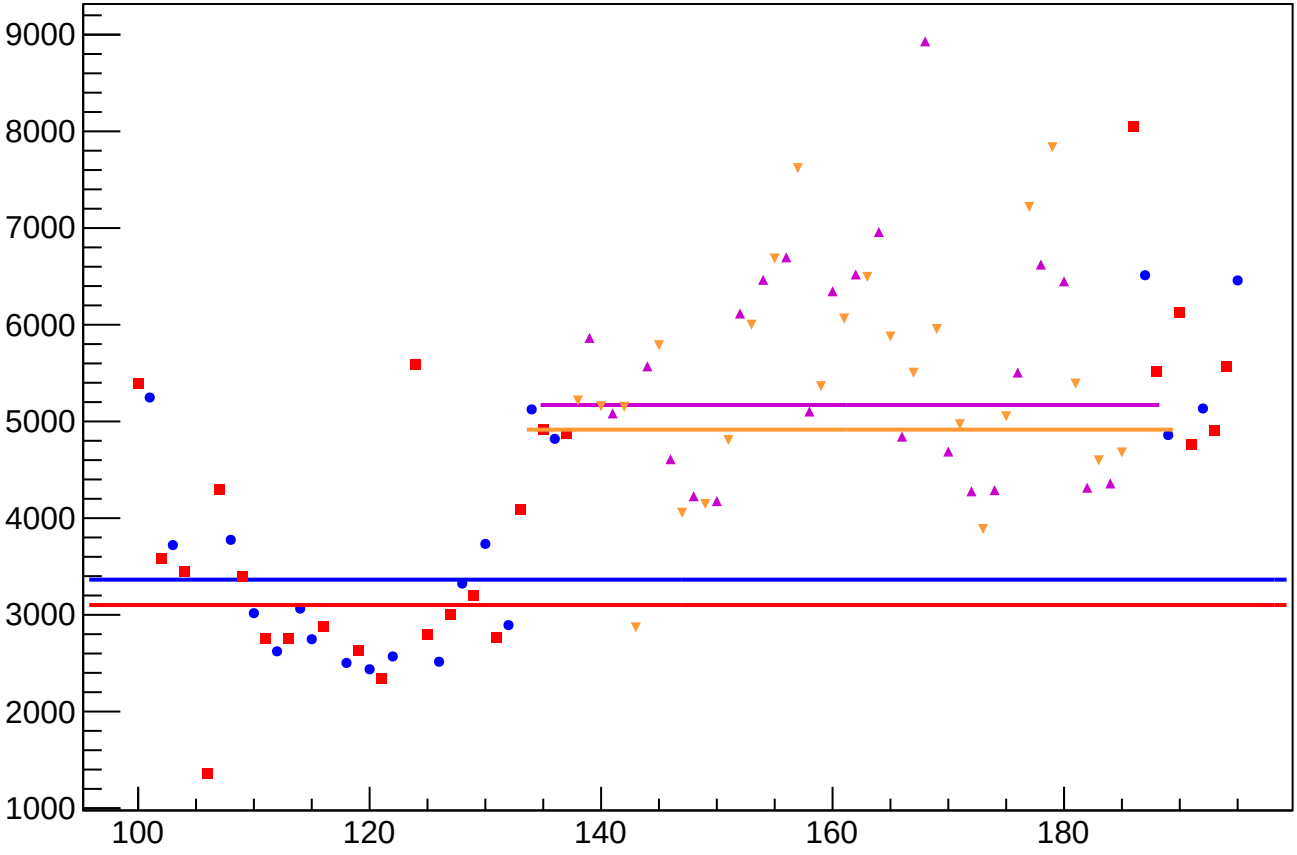
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -903.946+/-808.829 χ^2/NDF: 55.1/44

All: -316.514+/-560.981 χ^2/NDF: 103.4/92

\- sign 228.000+/-778.722 χ^2/NDF: 47.3/47

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: 3101.386+/-0.710 χ^2/NDF: 2988144.5/24

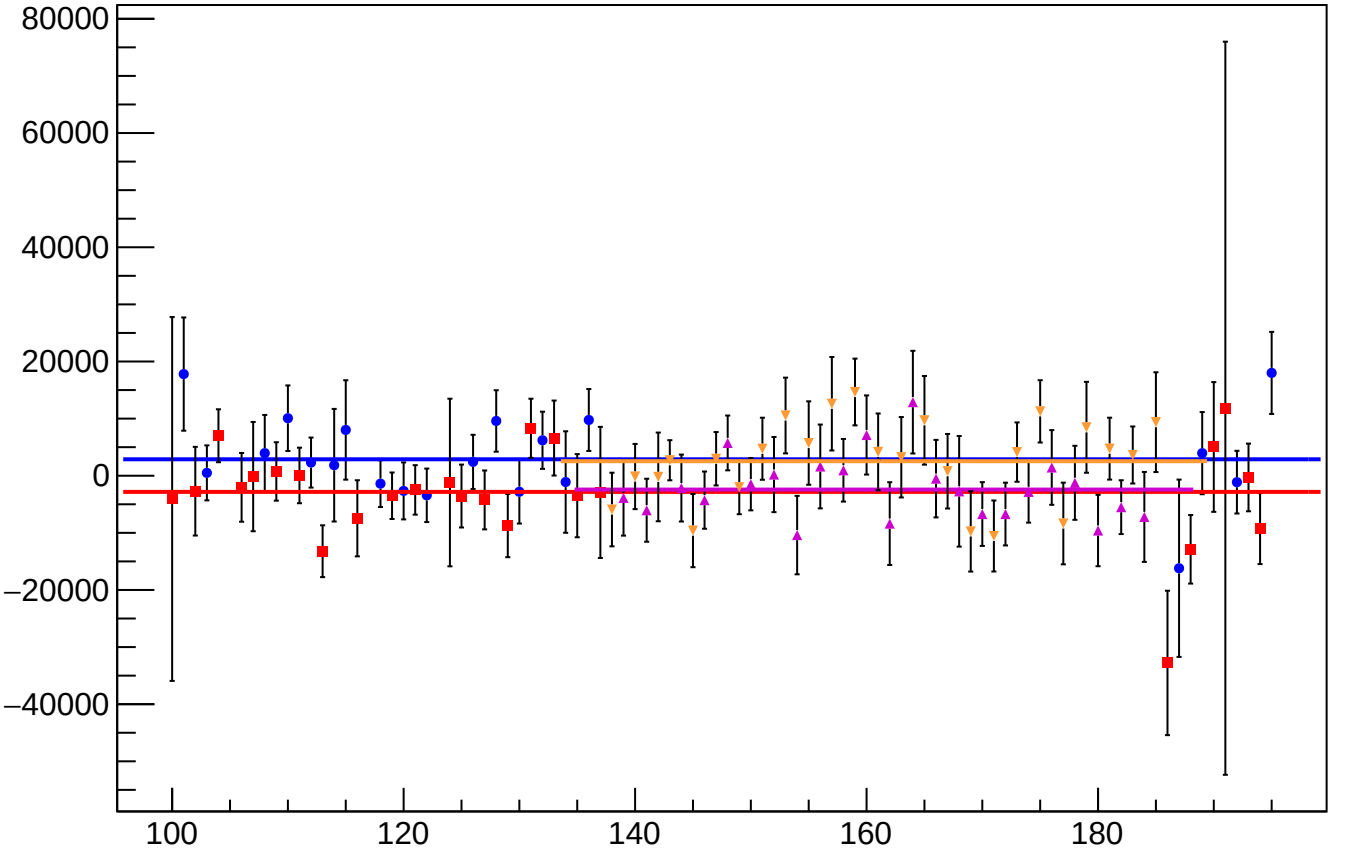
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4123.246+/-0.572 χ^2/NDF: 5794450.3/44

All: 4020.087+/-0.397 χ^2/NDF: 13575229.1/9

- sign 3924.465+/-0.551 χ^2/NDF: 7718088.6/47

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: -2828.287+/-1231.633 χ^2/NDF: 29.3/24

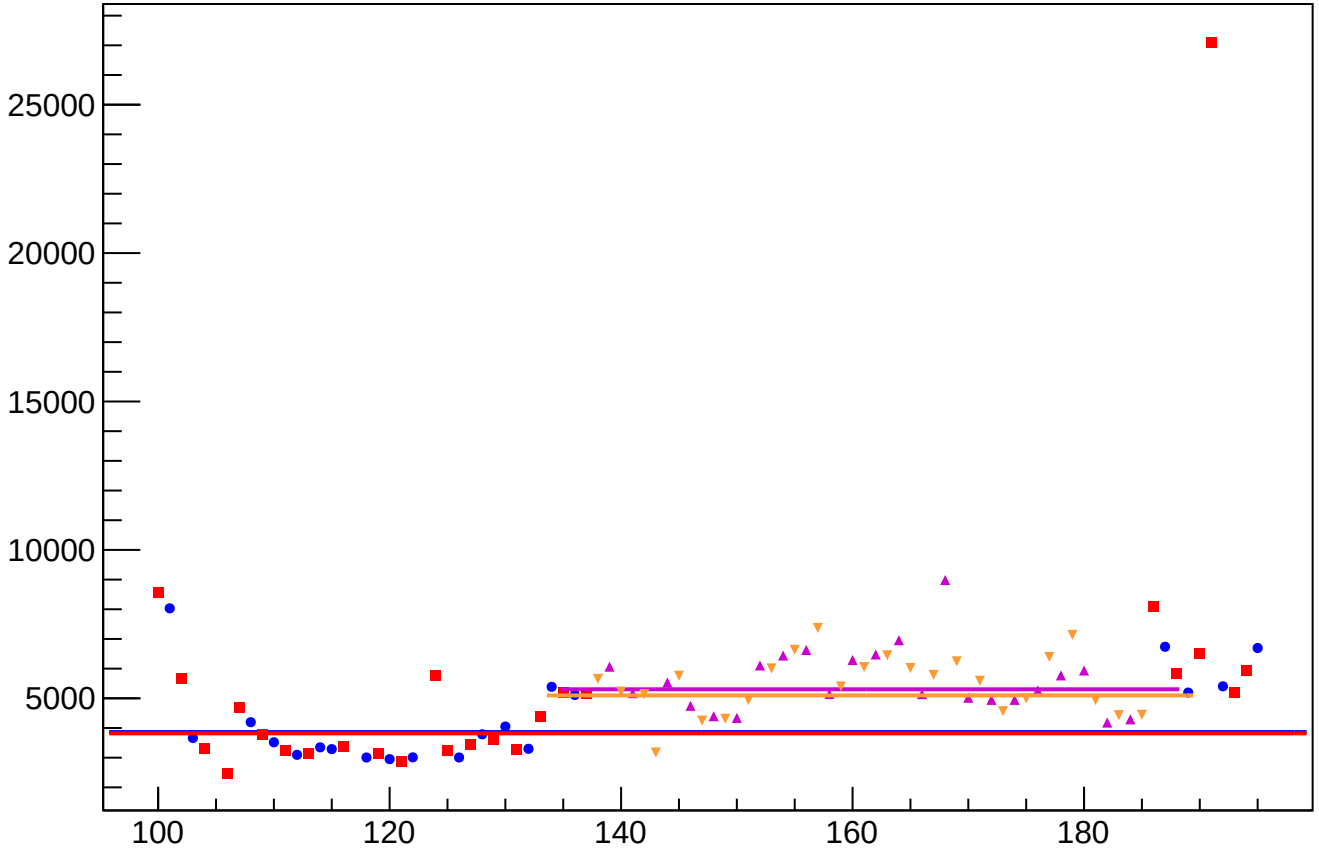
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2699.278+/-873.649 χ^2/NDF: 49.1/44

All: 55.758+/-620.219 χ^2/NDF: 111.9/92

- sign -2630.209+/-880.636 χ^2/NDF: 44.4/47

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: 3818.974+/-0.860 χ^2/NDF: 1982816.7/24

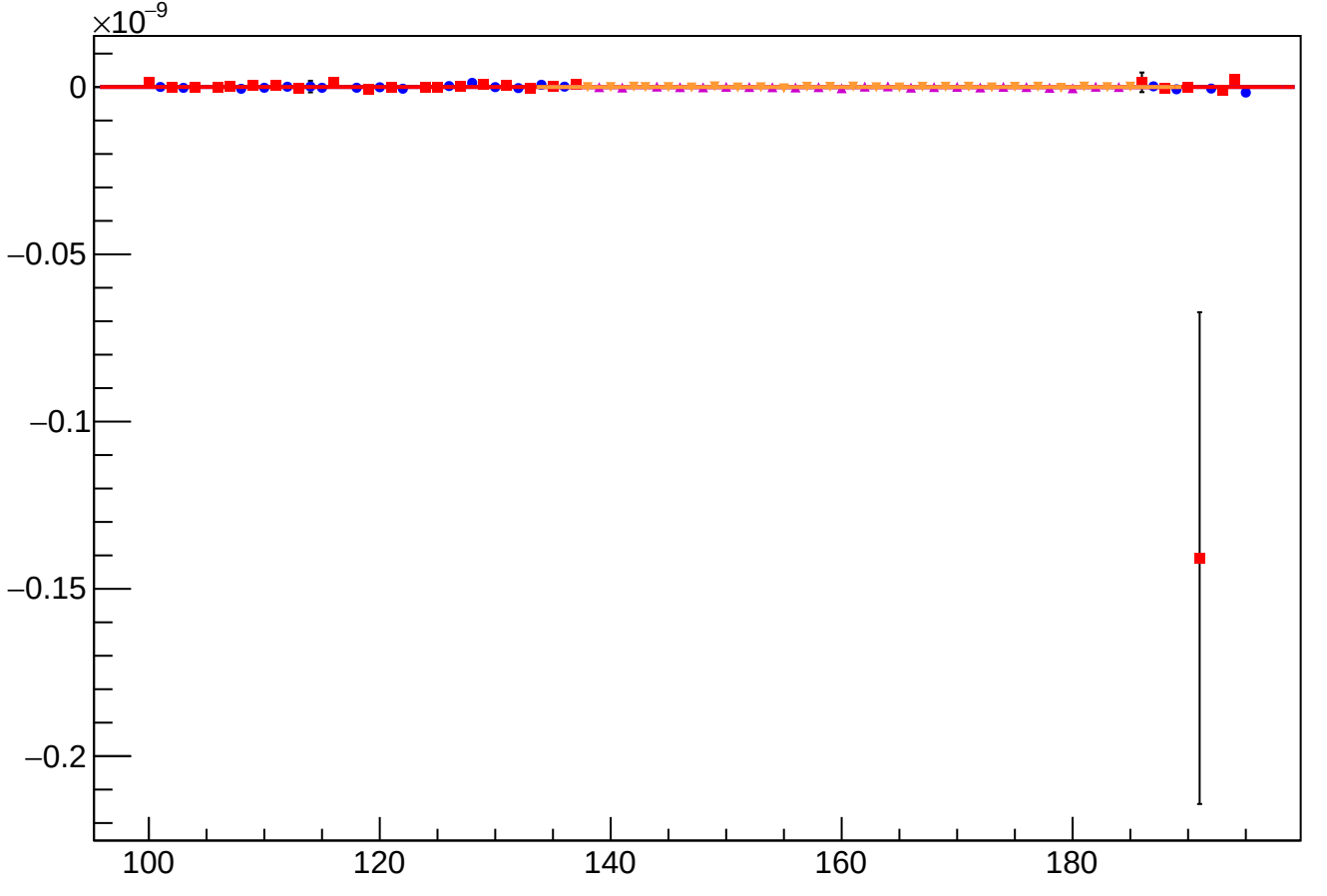
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4530.877+/-0.618 χ^2/NDF: 4067949.2/44

All: 4533.013+/-0.437 χ^2/NDF: 8508384.1/92

- sign 4535.154+/-0.619 χ^2/NDF: 4440411.0/47

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



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: 34.9/24

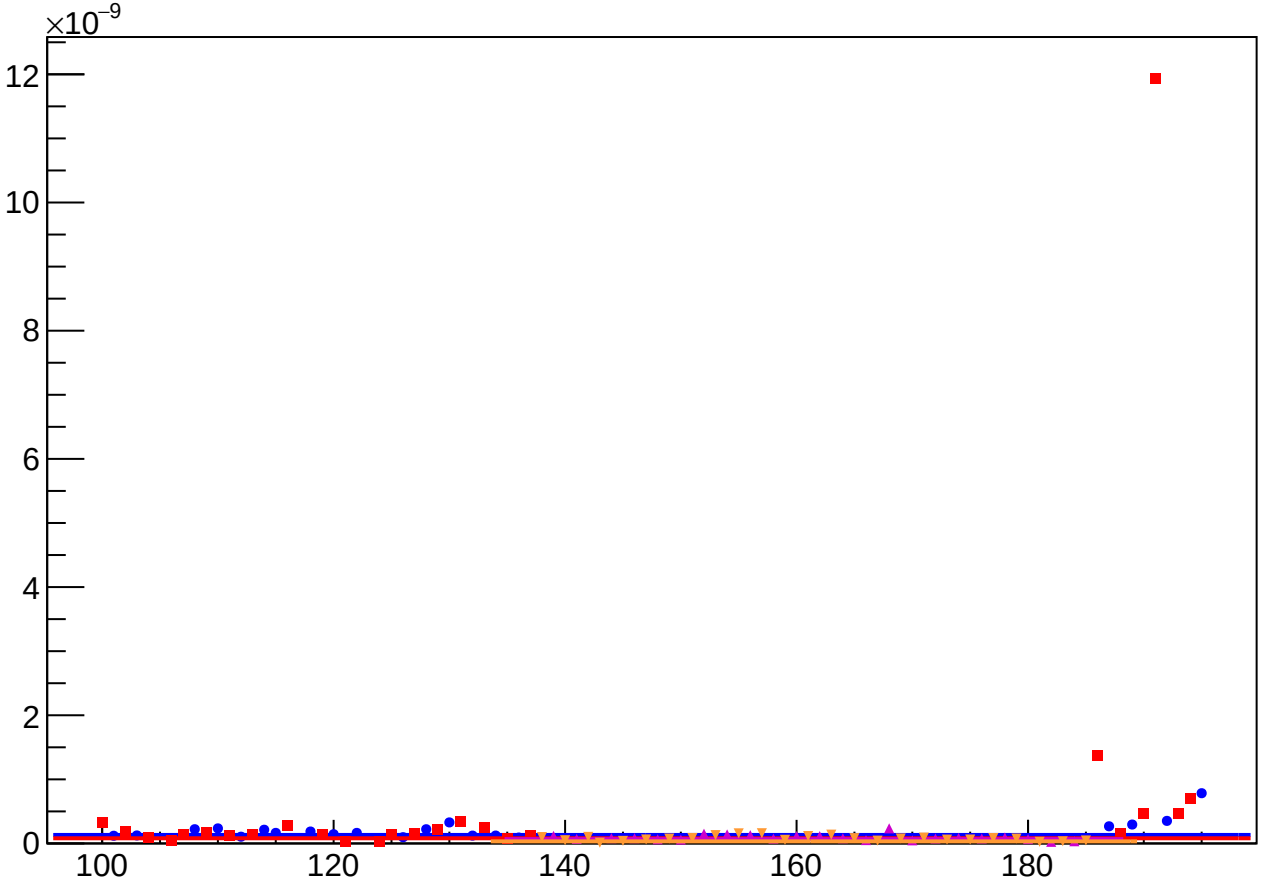
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/44

All: 0.000+/-0.000 χ^2/NDF: 94.9/92

- sign 0.000+/-0.000 χ^2/NDF: 57.9/47

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



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: 4346667.9/24

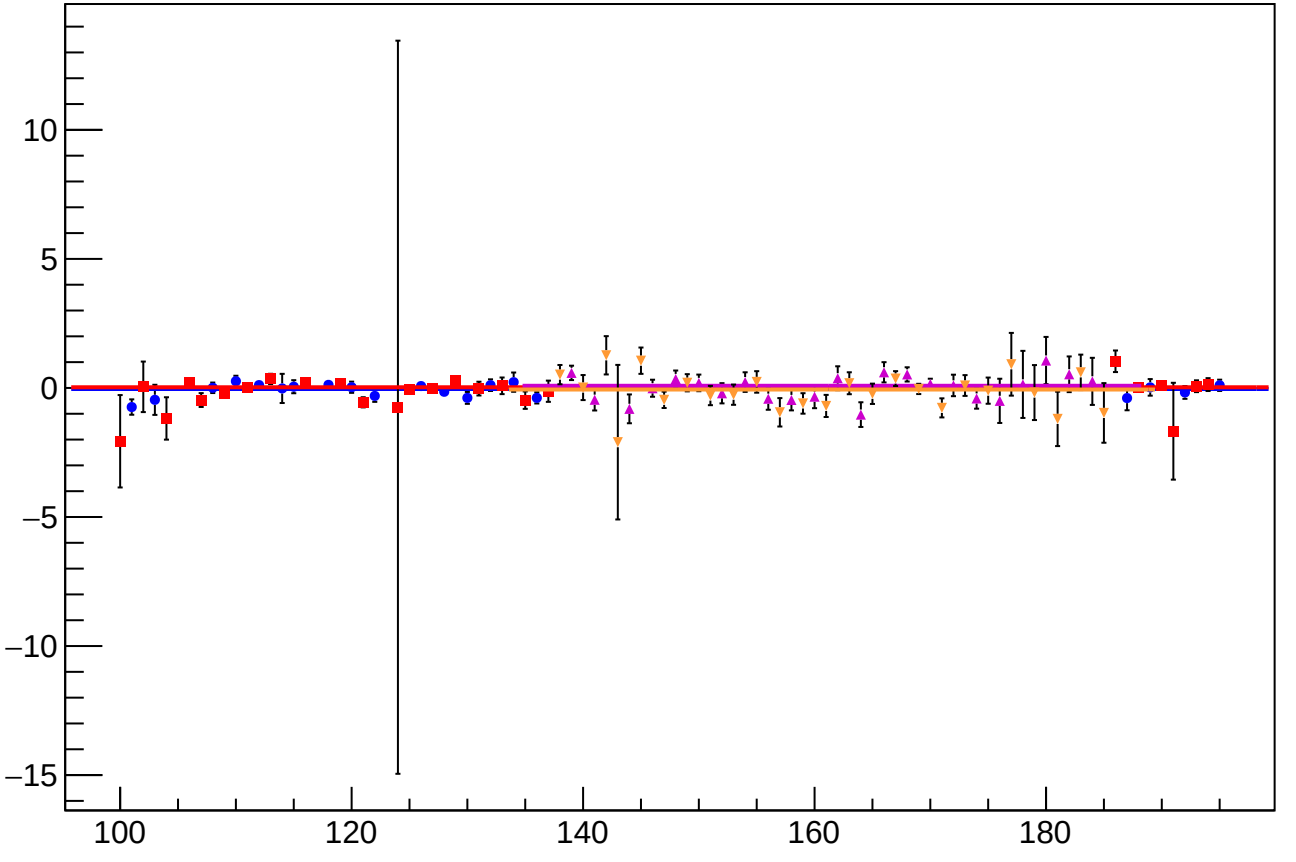
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11515545.7/44

All: 0.000+/-0.000 χ^2/NDF: 20732593.4/92

- sign 0.000+/-0.000 χ^2/NDF: 6891593.8/47

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: 0.026+/-0.044 χ^2/NDF: 35.9/24

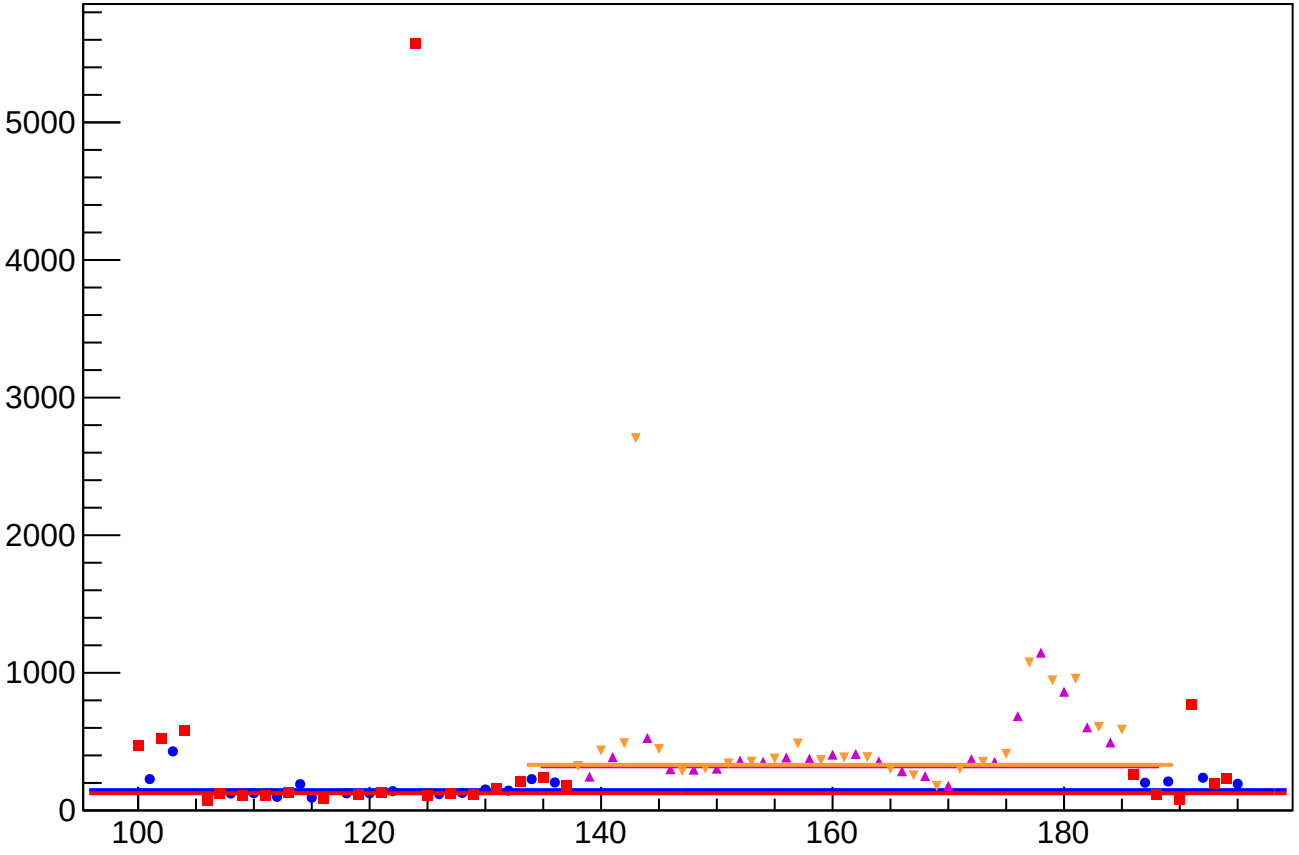
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.002+/-0.029 χ^2/NDF: 115.5/92

- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

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: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

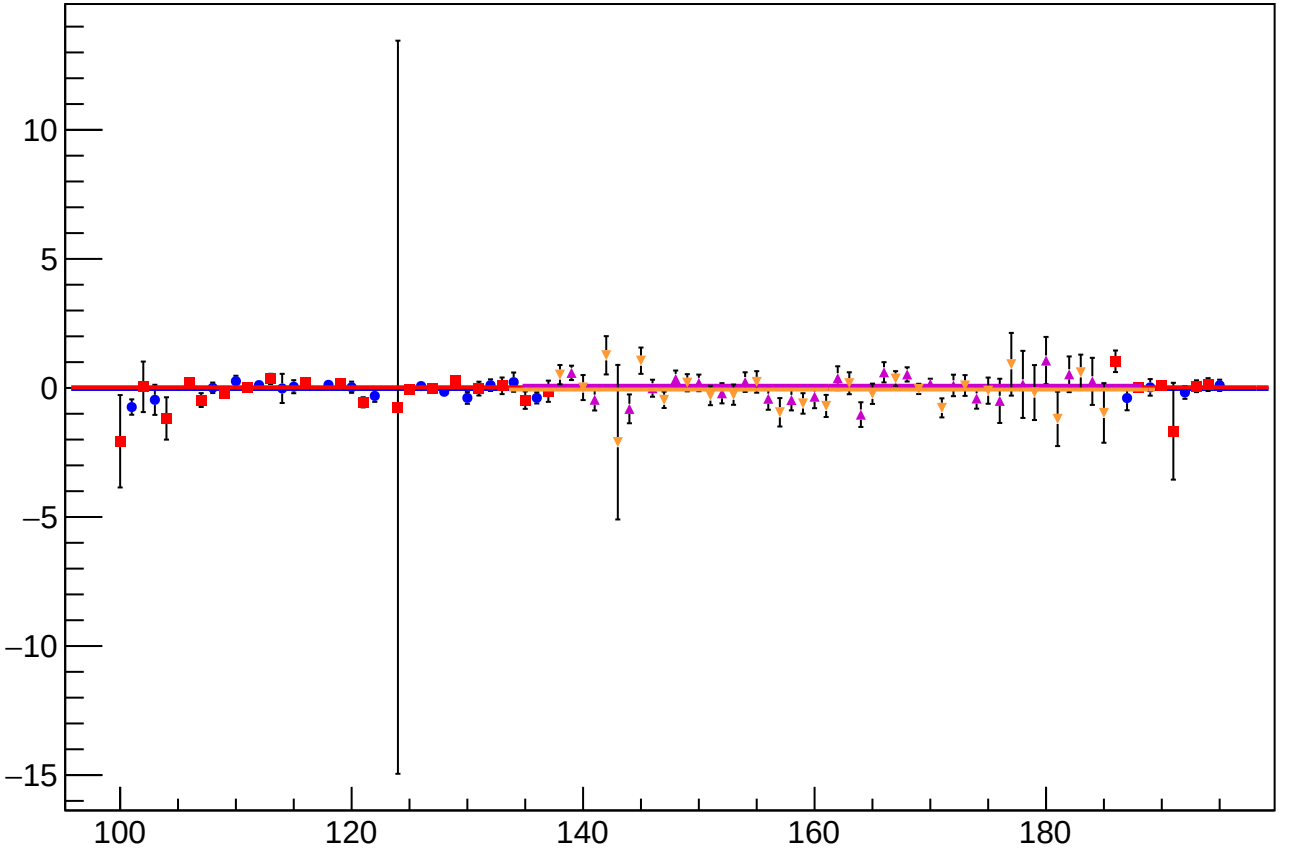
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.607+/-0.031 χ^2/NDF: 14619194.7/44

All: 182.018+/-0.020 χ^2/NDF: 31713233.8/92

- sign 169.347+/-0.027 χ^2/NDF: 16593828.1/47

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: 0.026+/-0.044 χ^2/NDF: 35.9/24

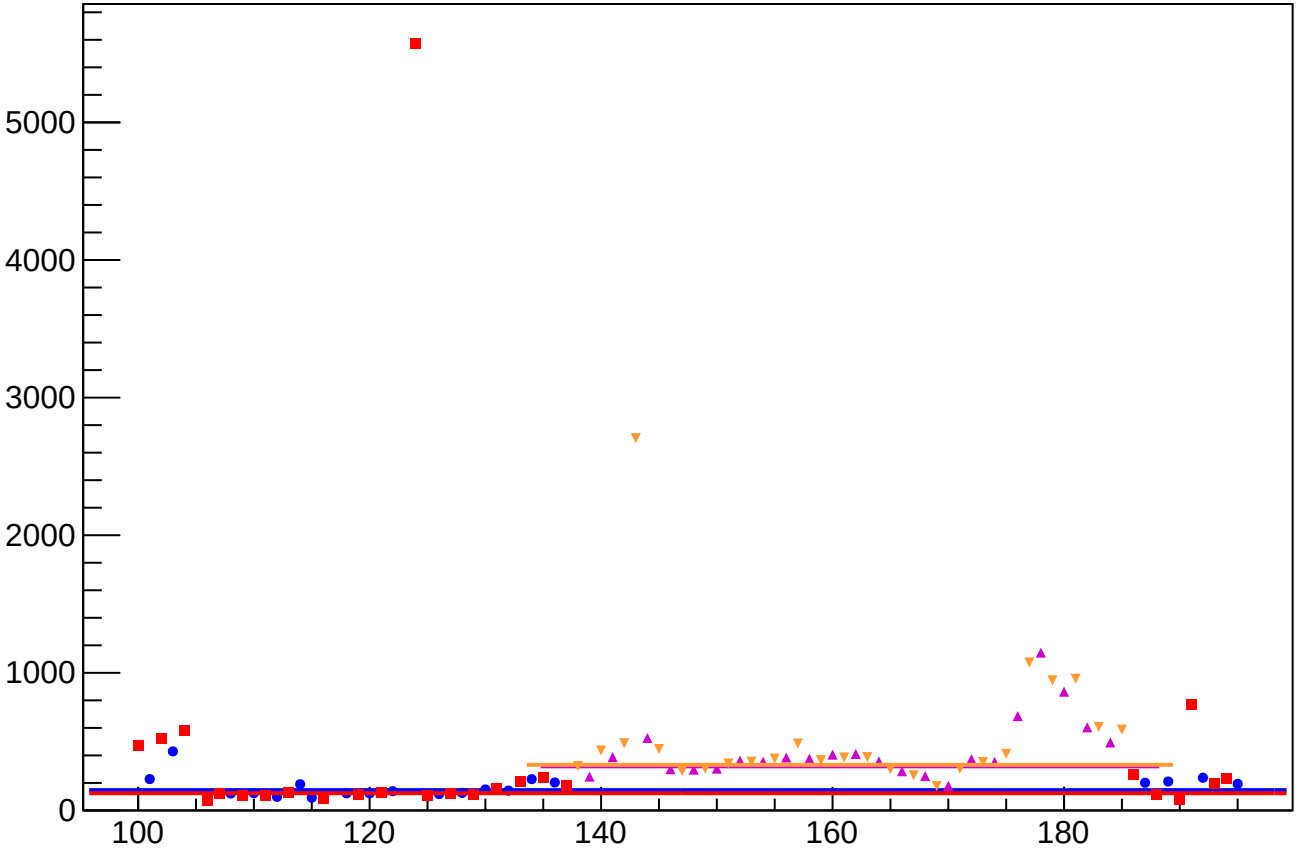
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.002+/-0.029 χ^2/NDF: 115.5/92

- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

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

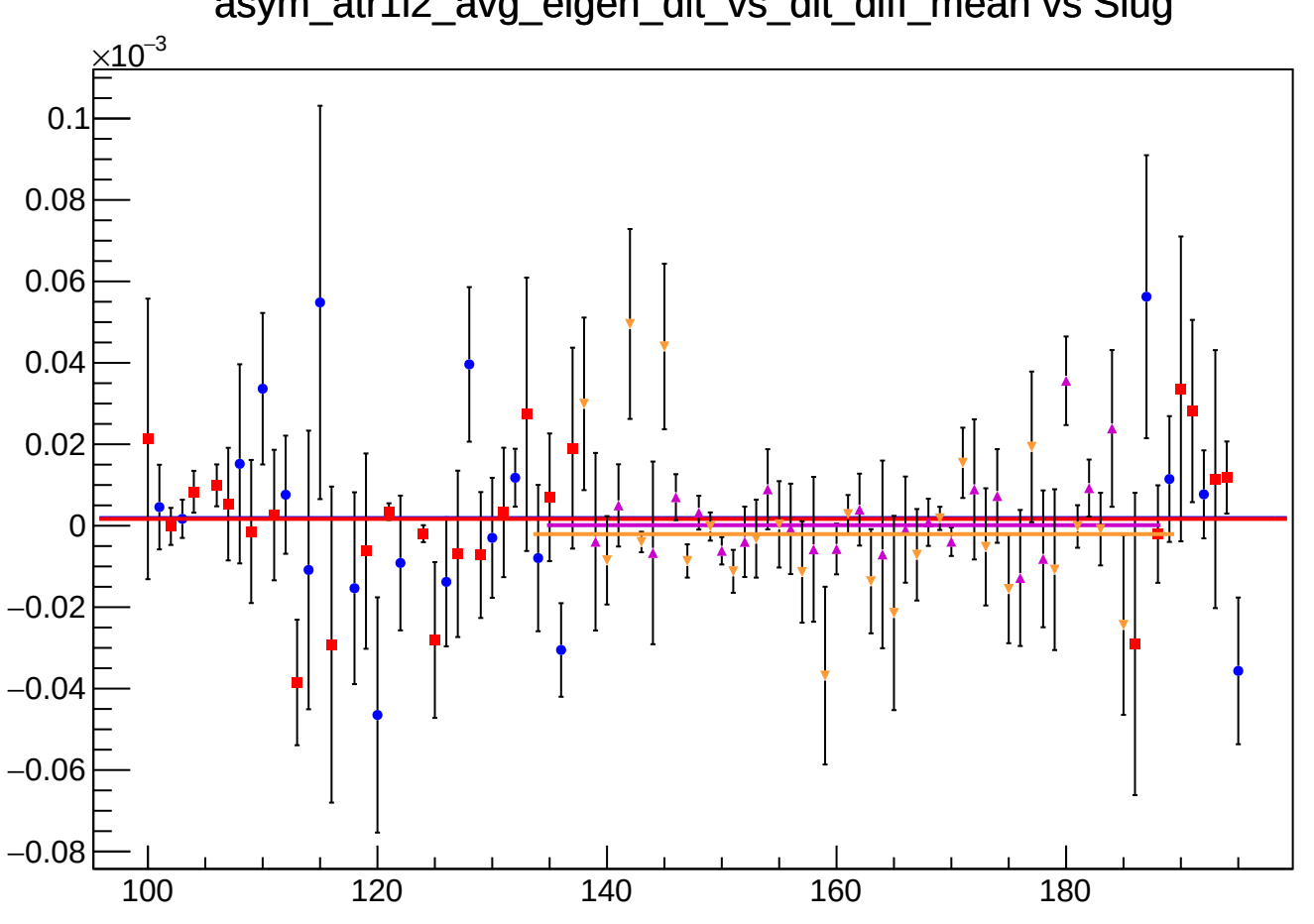
Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.607+/-0.031 χ^2/NDF: 14619194.7/44

All: 182.018+/-0.020 χ^2/NDF: 31713233.8/92

- sign 169.347+/-0.027 χ^2/NDF: 16593828.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

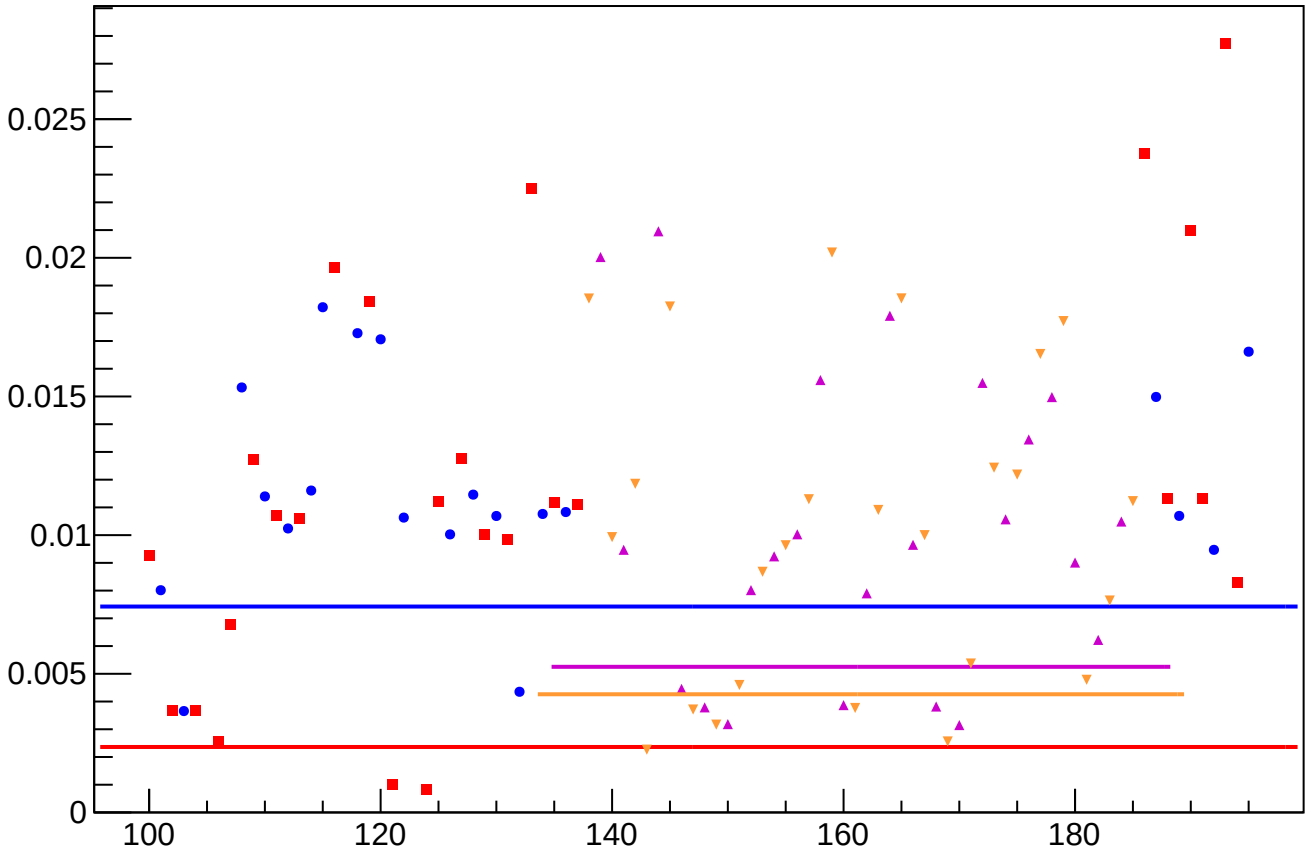
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

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: 120.6/92

- sign 0.000+/-0.000 χ^2/NDF: 50.1/47



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: 13930362.5/24

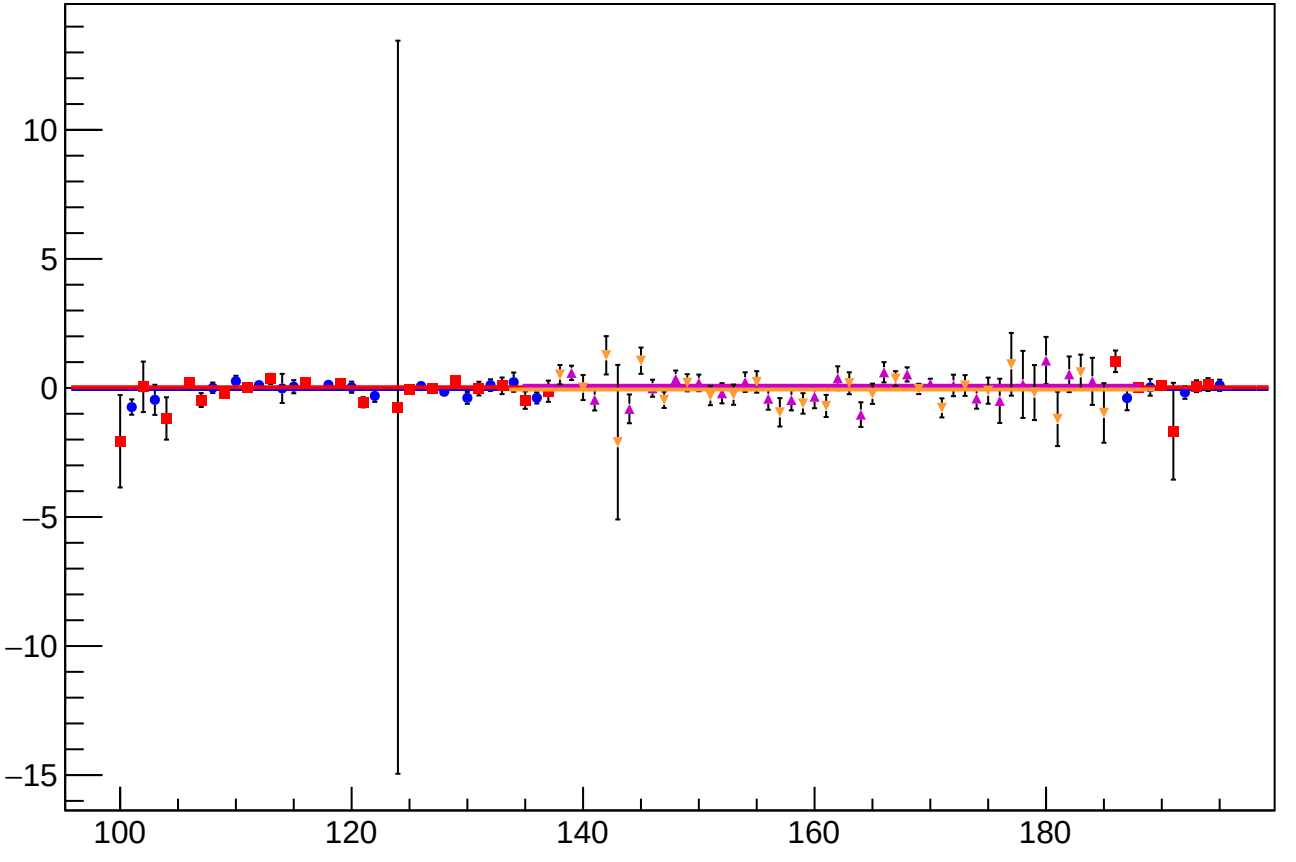
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 19219836.2/44

All: 0.004+/-0.000 χ^2/NDF: 48543584.0/92

- sign 0.004+/-0.000 χ^2/NDF: 27829953.1/47

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: 0.026+/-0.044 χ^2/NDF: 35.9/24

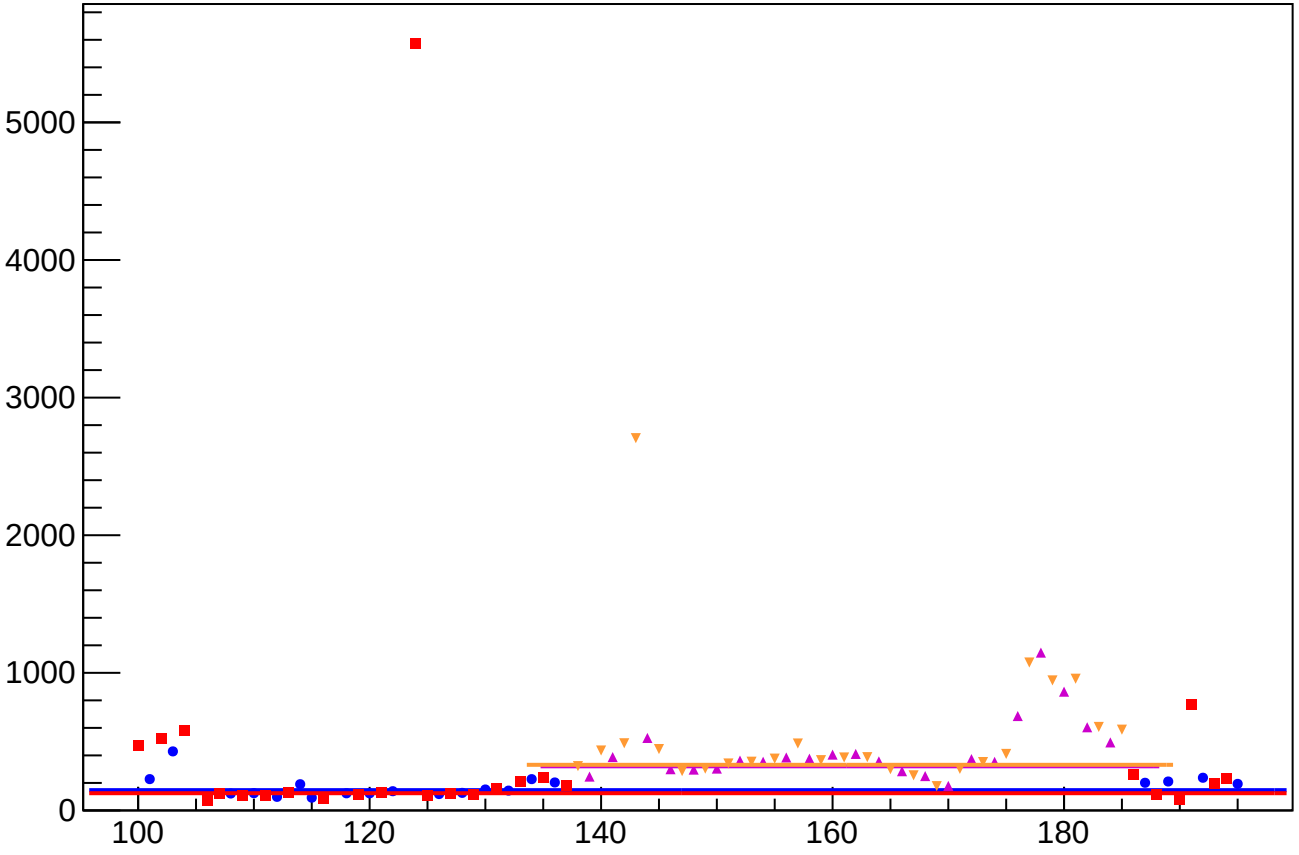
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.002+/-0.029 χ^2/NDF: 115.5/92

- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

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

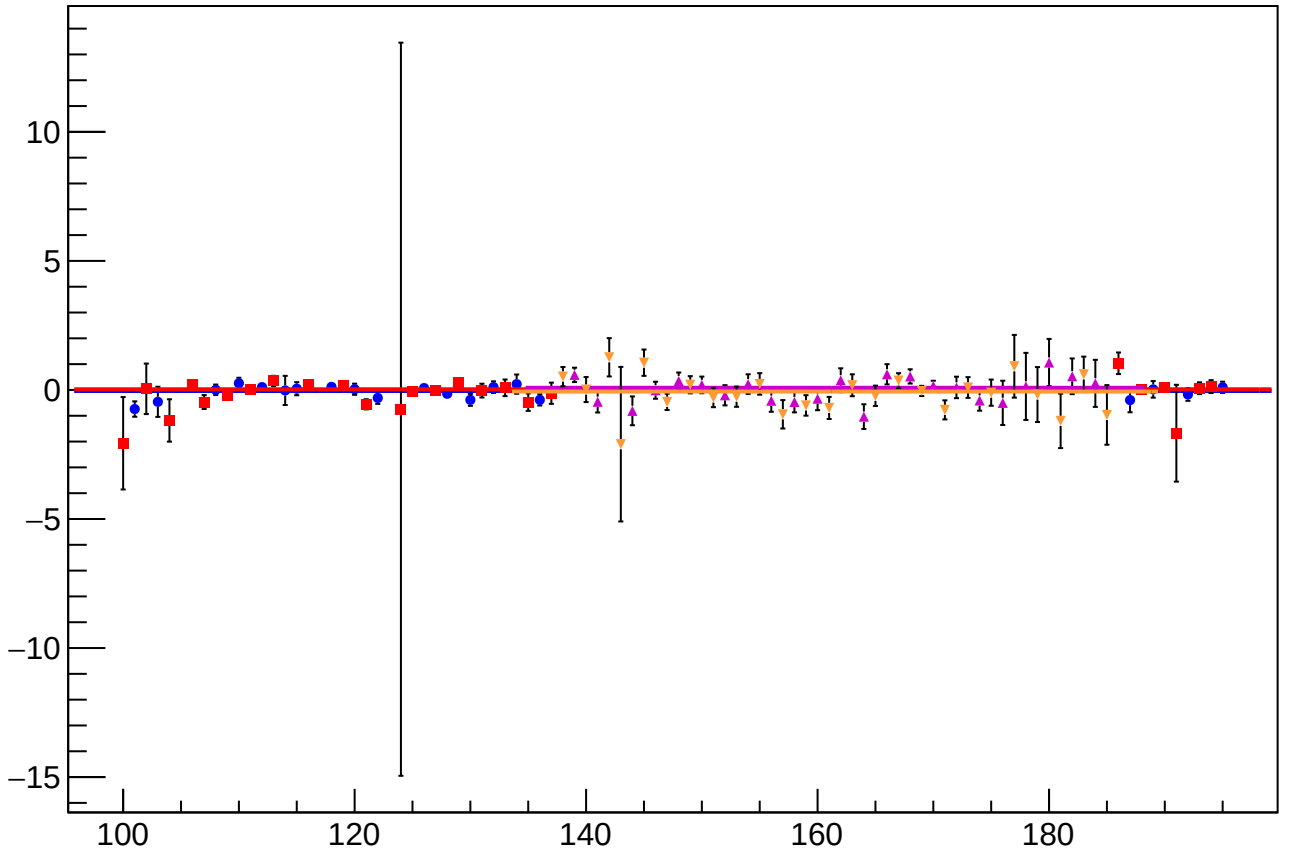
Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.608+/-0.031 χ^2/NDF: 14619166.7/44

All: 182.018+/-0.020 χ^2/NDF: 31713388.5/92

- sign 169.346+/-0.027 χ^2/NDF: 16593961.5/47



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: 0.026+/-0.044 χ^2/NDF: 35.9/24

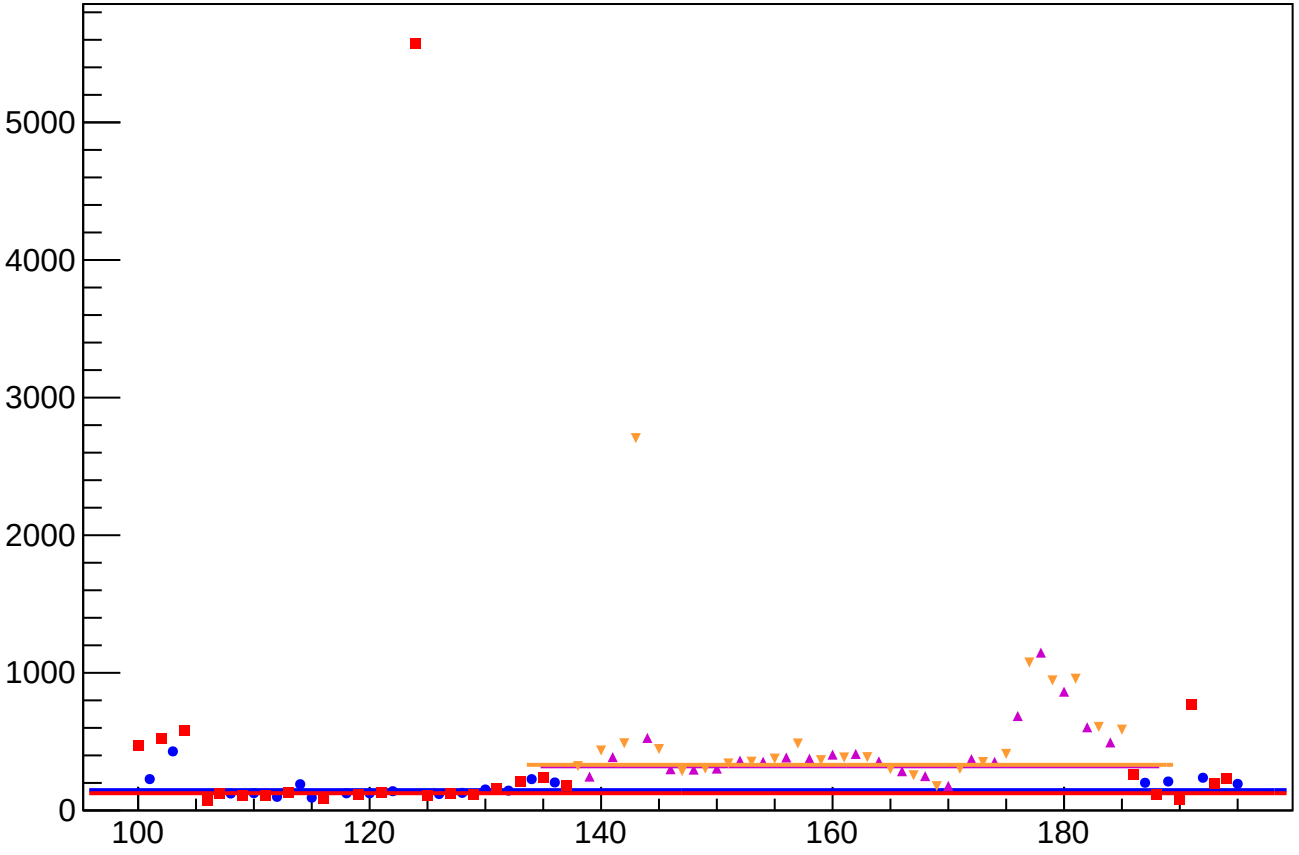
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.046+/-0.044 χ^2/NDF: 50.1/44

All: 0.002+/-0.029 χ^2/NDF: 115.5/92

\- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

asym_atr1l2_avg_eigen_dit_vs_eigen_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

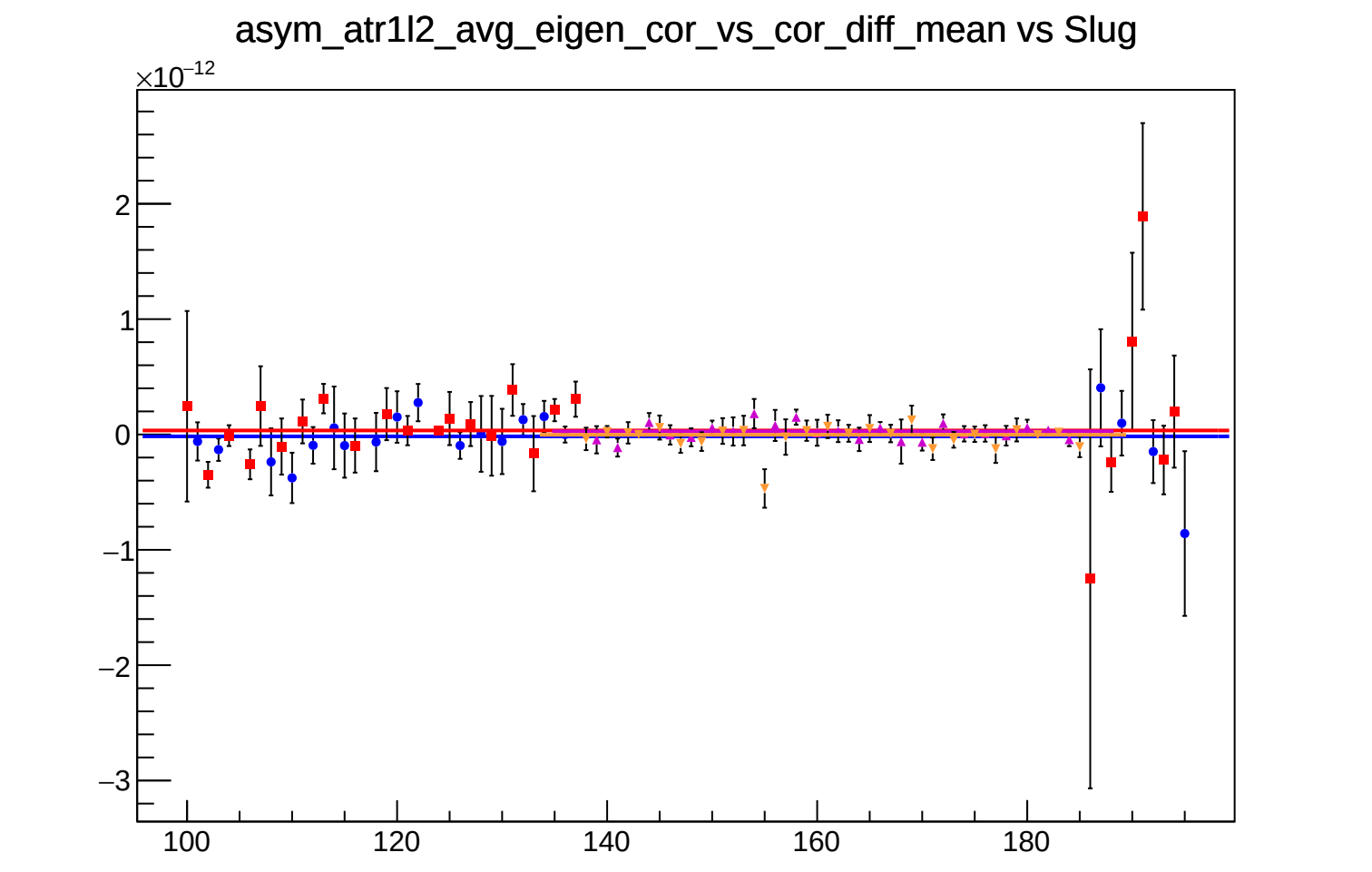
Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

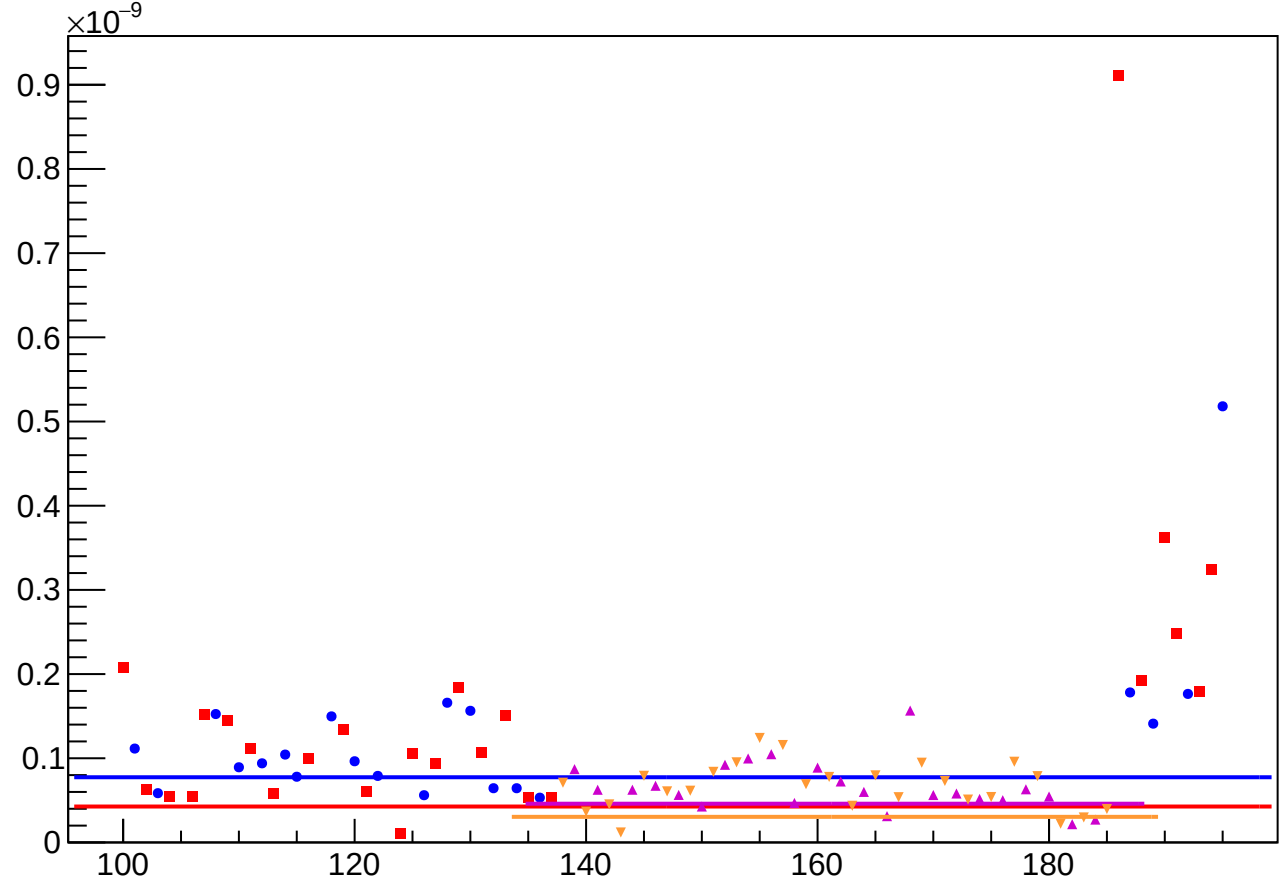
+ sign 198.608+/-0.031 χ^2/NDF: 14619166.7/44

All: 182.018+/-0.020 χ^2/NDF: 31713388.5/92

- sign 169.346+/-0.027 χ^2/NDF: 16593961.5/47


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 14.8/19
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.9/24
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 31.9/44
All: 0.000+/-0.000 χ²/NDF: 94.1/92
- sign 0.000+/-0.000 χ²/NDF: 58.1/47

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2367694.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7016350.7/24

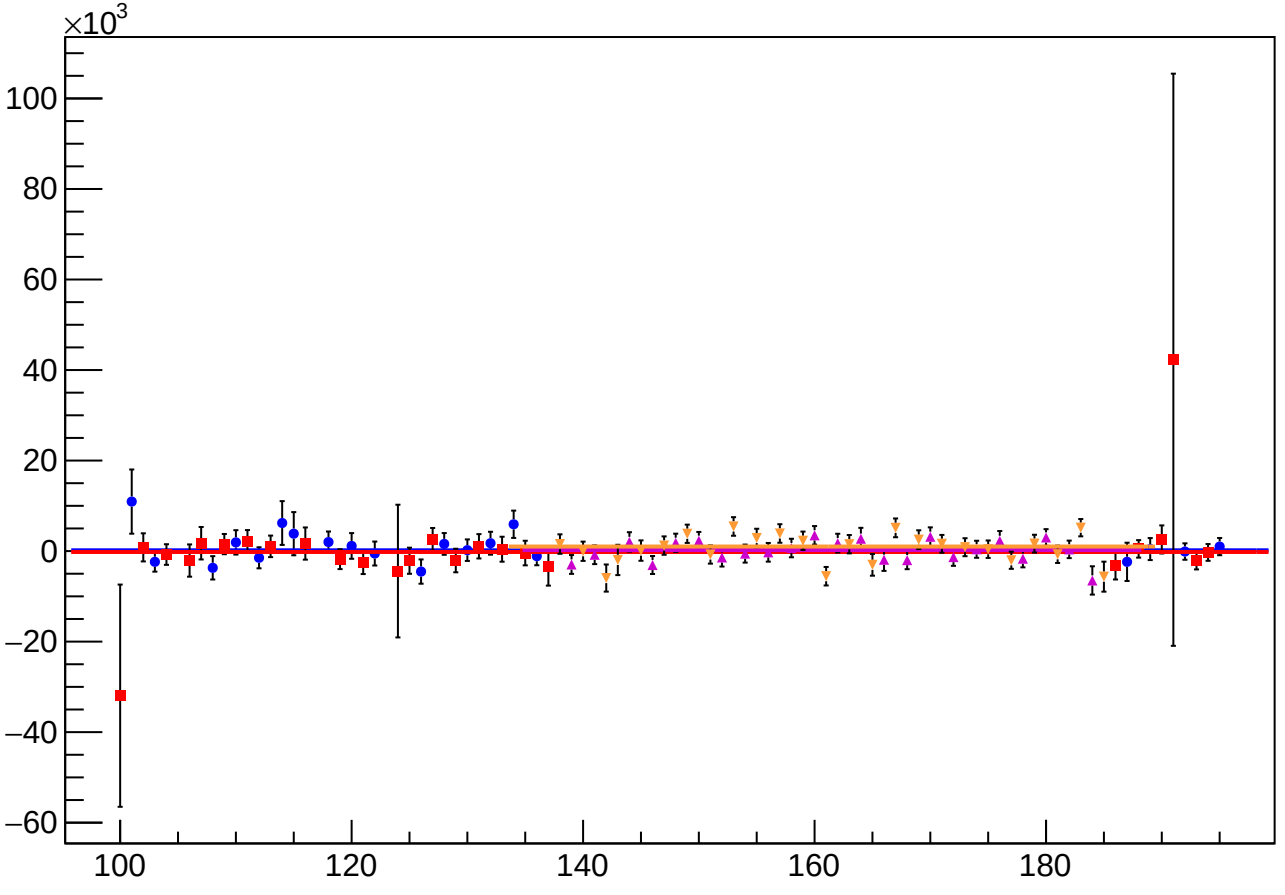
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15949662.9/44

All: 0.000+/-0.000 χ^2/NDF: 28806033.8/92

- sign 0.000+/-0.000 χ^2/NDF: 11942560.0/47

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: -195.047+/-546.793 χ^2/NDF: 12.2/24

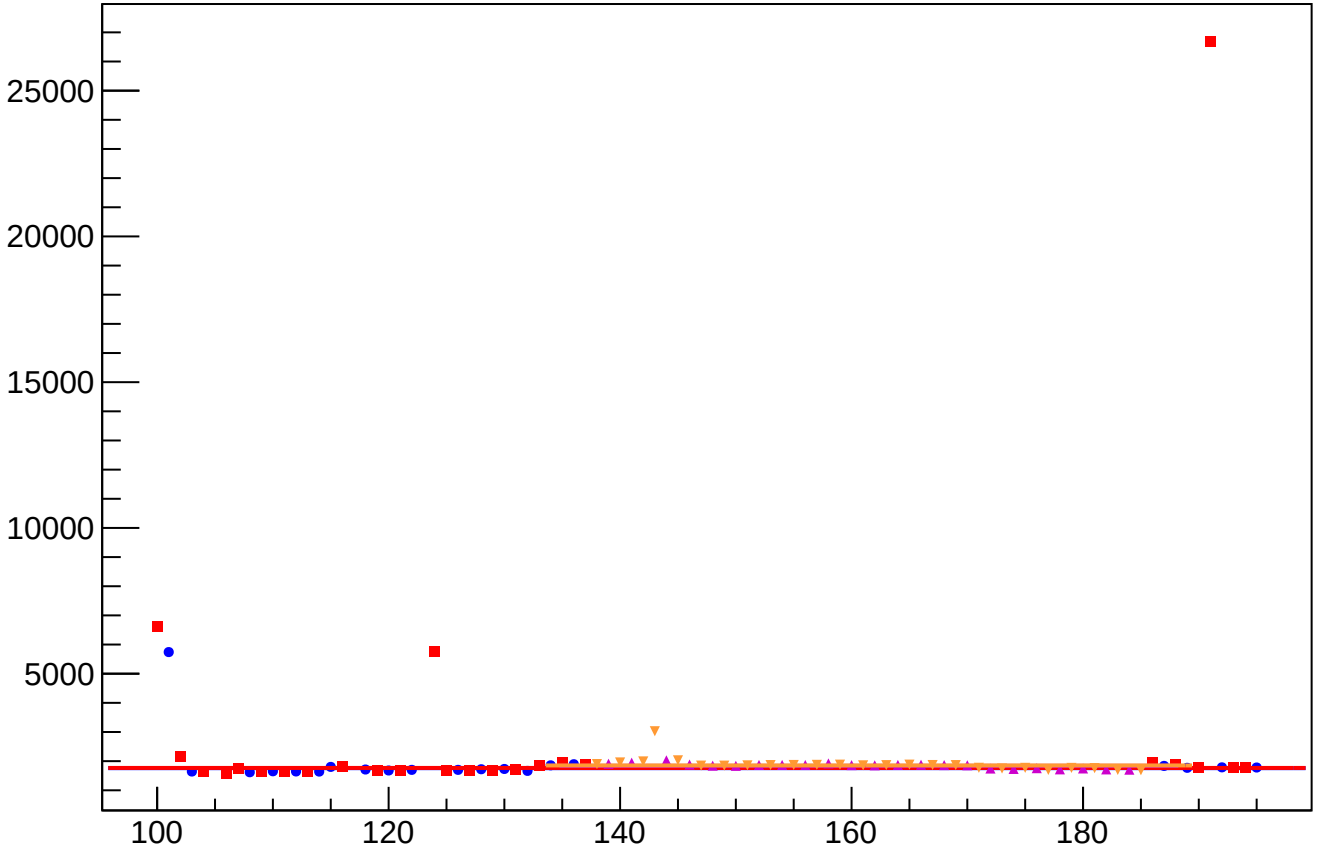
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 710.480+/-339.951 χ^2/NDF: 67.0/44

All: 386.905+/-239.638 χ^2/NDF: 107.7/92

- sign 67.303+/-337.857 χ^2/NDF: 39.0/47

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: 1767.097+/-0.385 χ^2/NDF: 637755.8/24

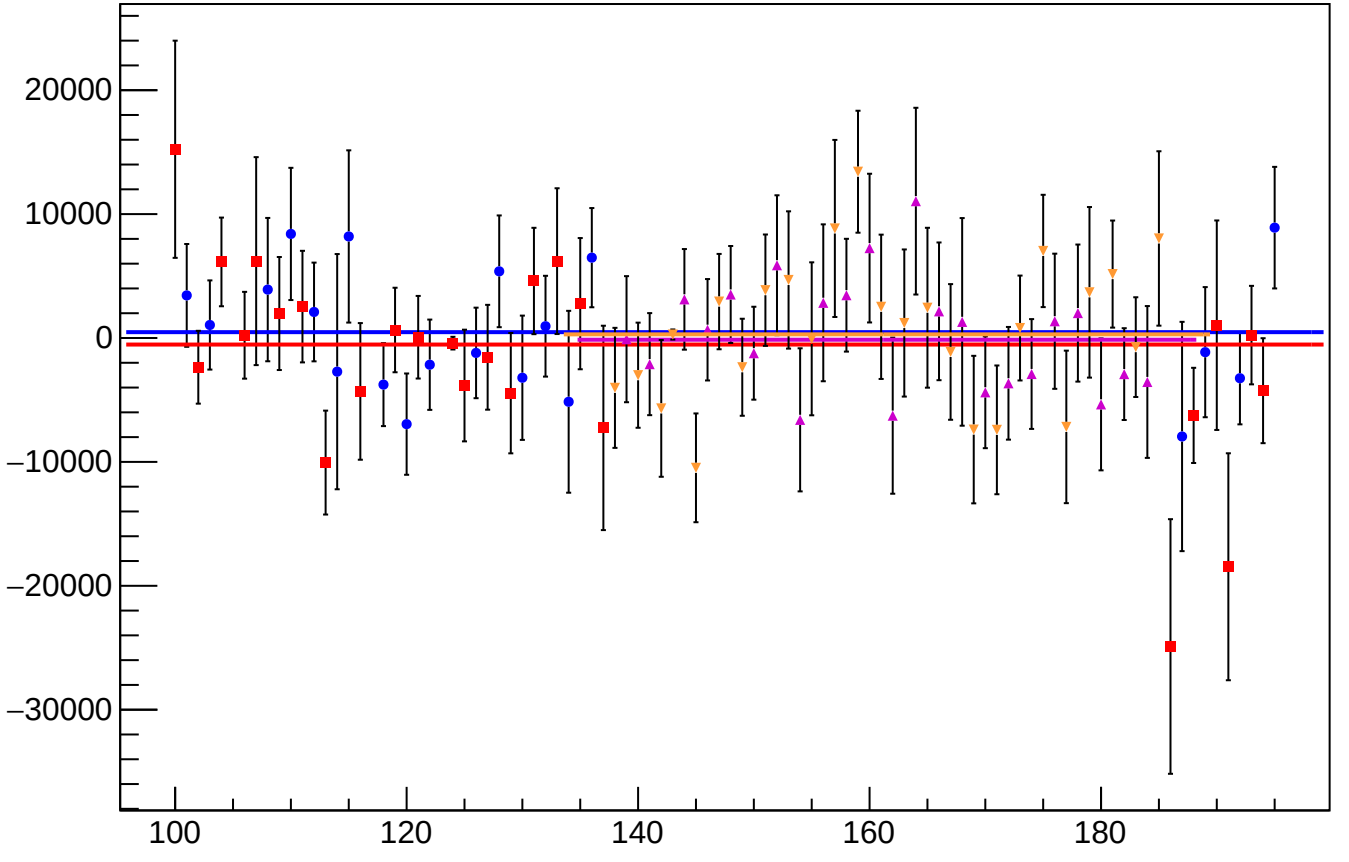
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026875.8/44

All: 1815.318+/-0.169 χ^2/NDF: 1754980.4/92

- sign 1811.083+/-0.238 χ^2/NDF: 727468.6/47

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: -528.905+/-447.638 χ^2/NDF: 31.9/24

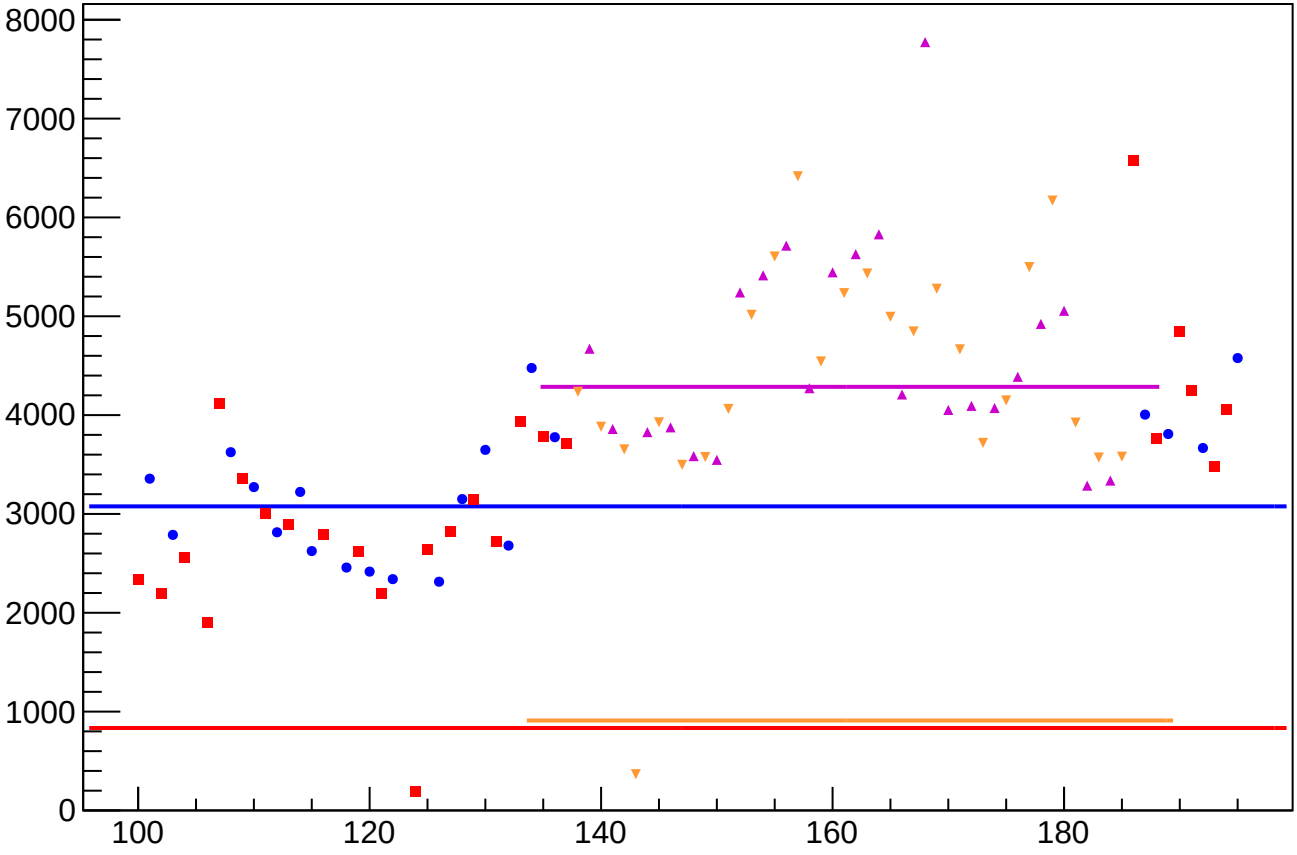
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 316.556+/-355.462 χ^2/NDF: 49.7/44

All: -19.221+/-268.603 χ^2/NDF: 97.8/92

- sign -466.136+/-410.092 χ^2/NDF: 46.0/47

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: 834.394+/-0.317 χ^2/NDF: 14908213.9/24

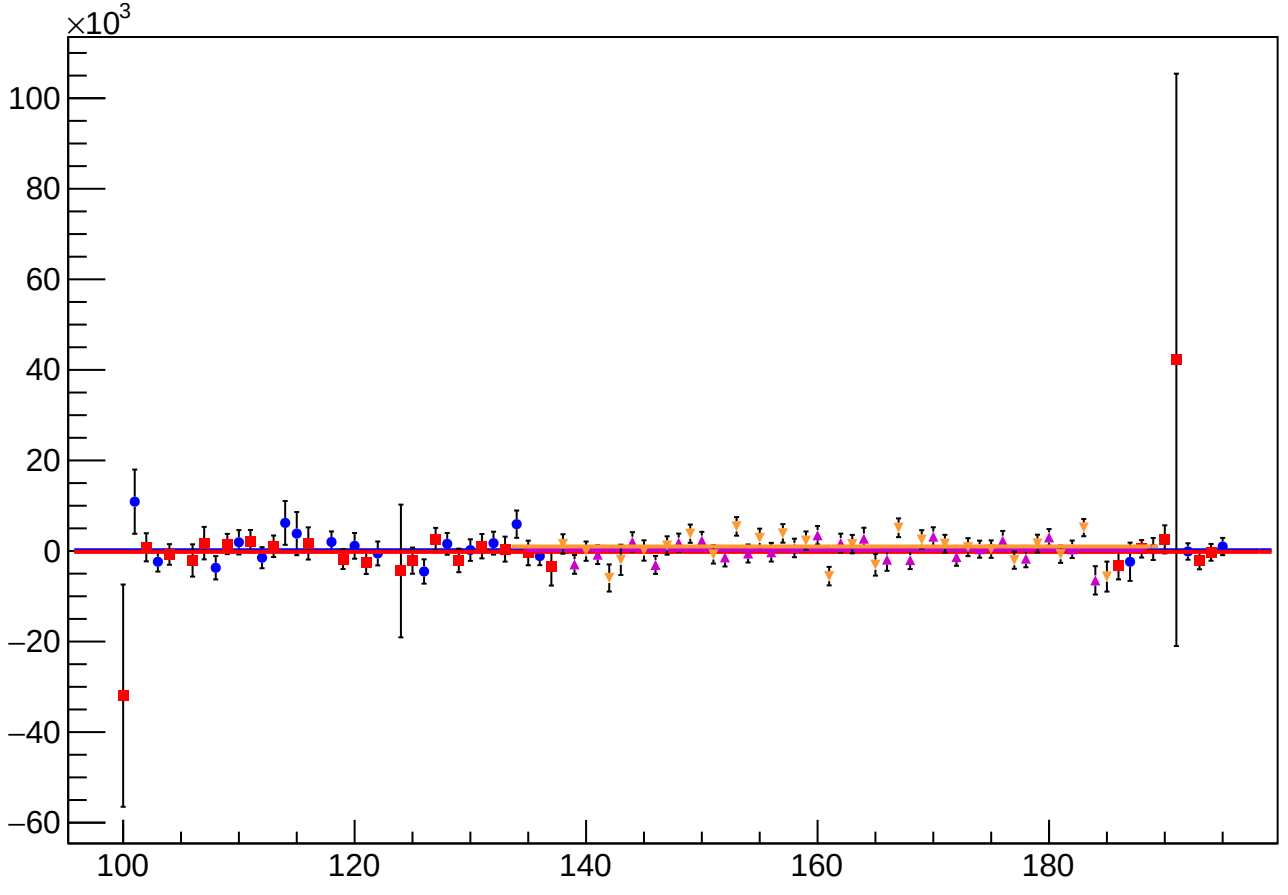
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1180.110+/-0.251 χ^2/NDF: 35703581.3/44

All: 1269.766+/-0.190 χ^2/NDF: 71345321.0/9

- sign 1389.097+/-0.290 χ^2/NDF: 35345159.7/47

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: -195.072+/-546.793 χ^2/NDF: 12.2/24

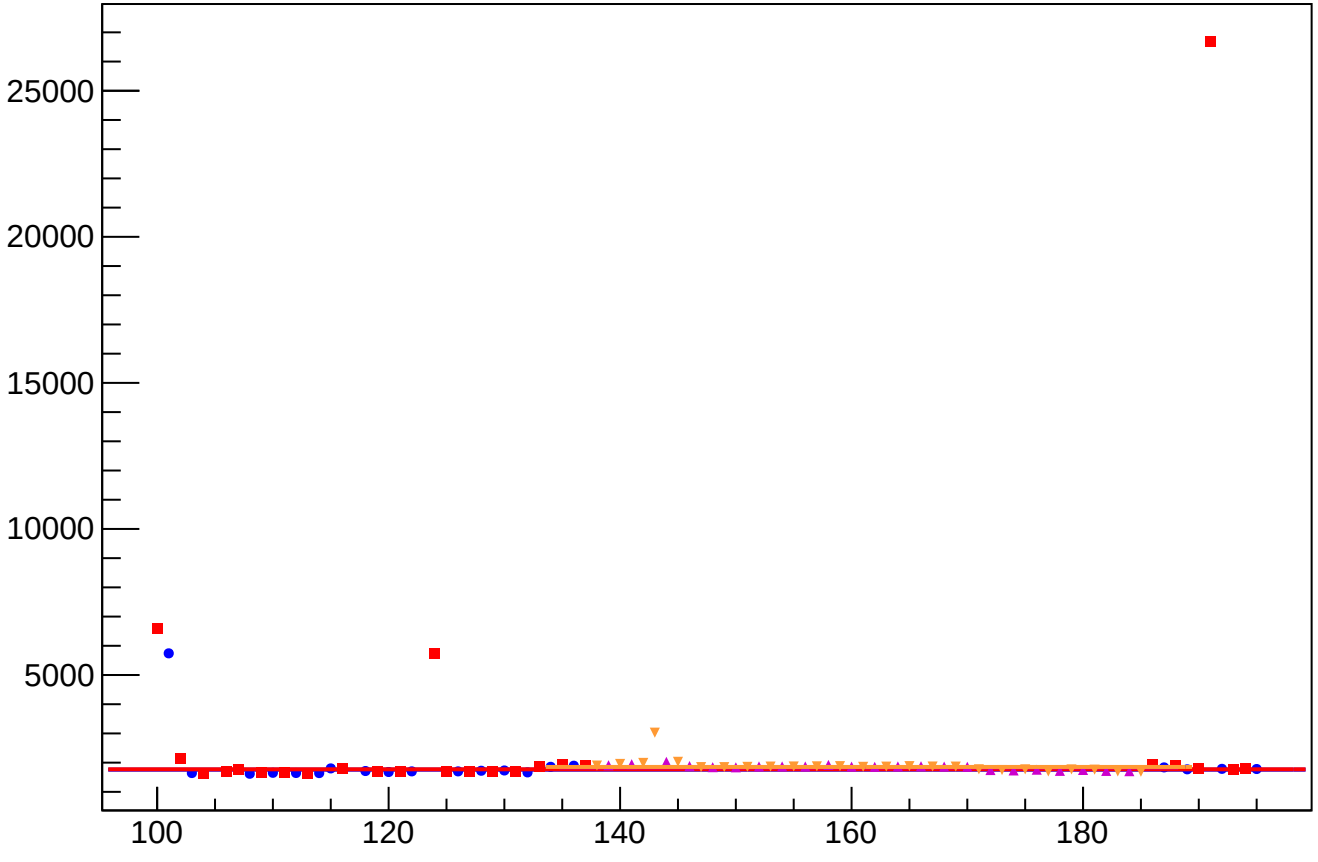
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 710.350+/-339.951 χ^2/NDF: 67.0/44

All: 386.810+/-239.638 χ^2/NDF: 107.7/92

- sign 67.241+/-337.857 χ^2/NDF: 39.0/47

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: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

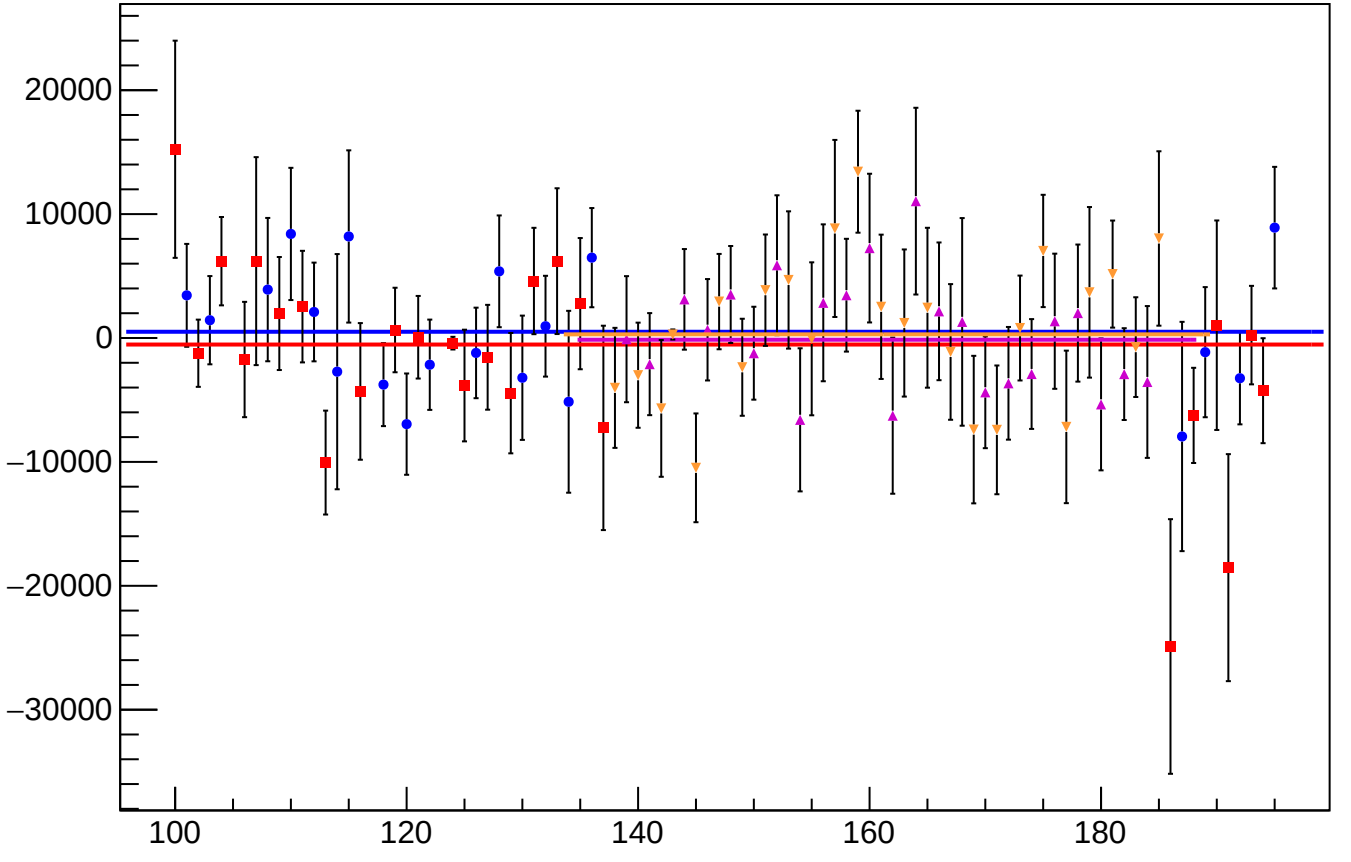
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026876.1/44

All: 1816.294+/-0.169 χ^2/NDF: 1743614.9/92

- sign 1813.014+/-0.239 χ^2/NDF: 716358.2/47

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: -527.537+/-448.492 χ^2/NDF: 31.8/24

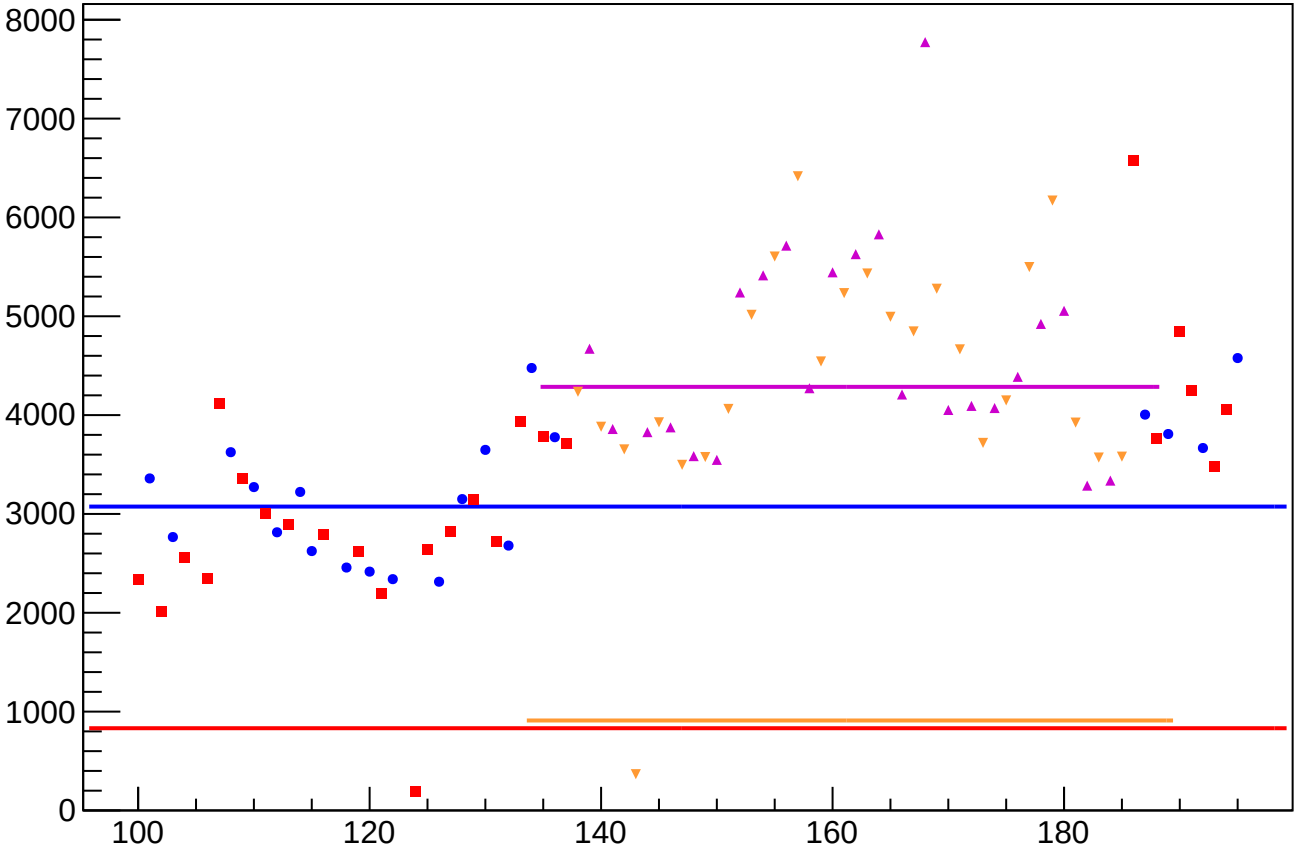
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 321.351+/-355.451 χ^2/NDF: 49.8/44

All: -15.271+/-268.782 χ^2/NDF: 97.7/92

- sign -464.775+/-410.748 χ^2/NDF: 45.8/47

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: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

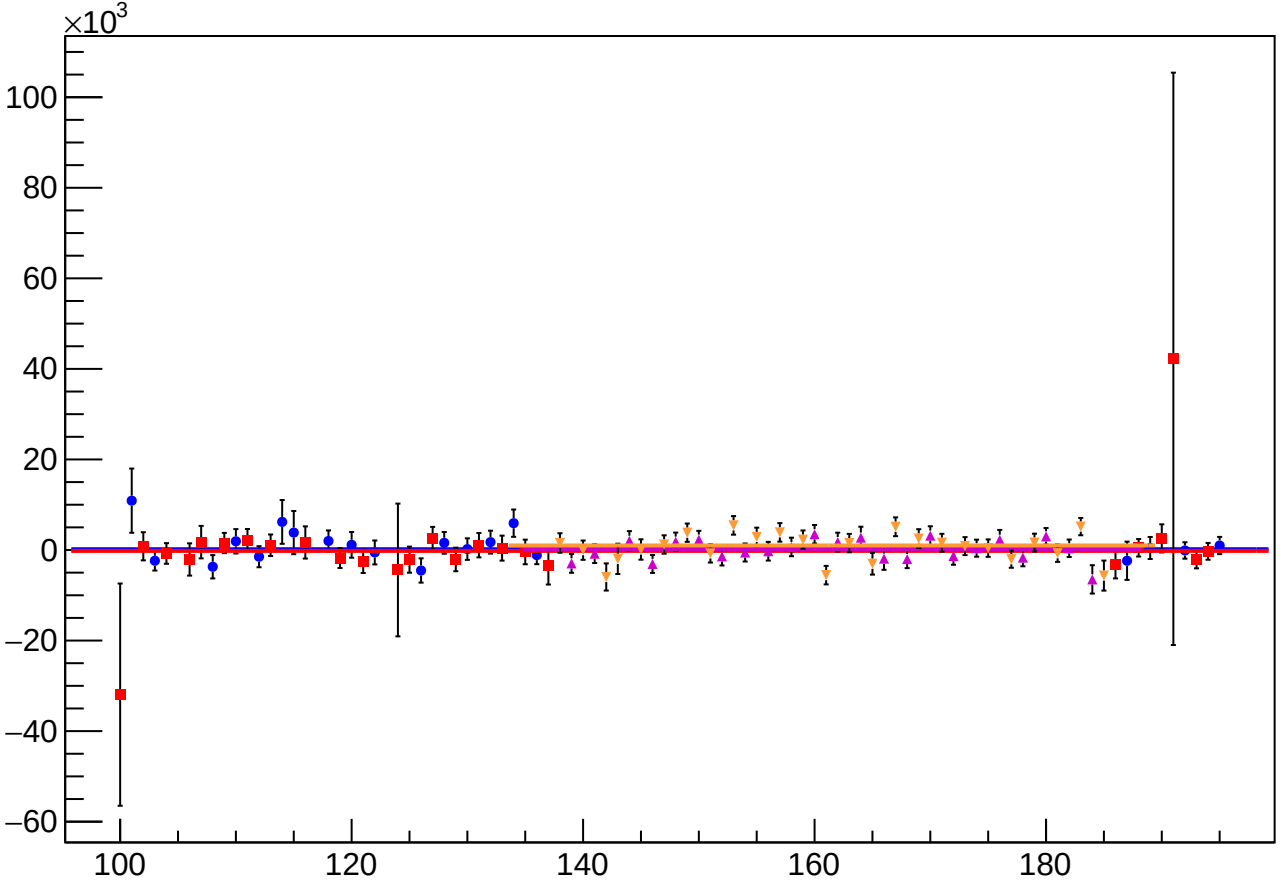
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1180.359+/-0.251 χ^2/NDF: 35699273.6/44

All: 1269.652+/-0.190 χ^2/NDF: 71318279.0/9

- sign 1388.887+/-0.290 χ^2/NDF: 35324257.7/47

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: -195.072+/-546.793 χ^2/NDF: 12.2/24

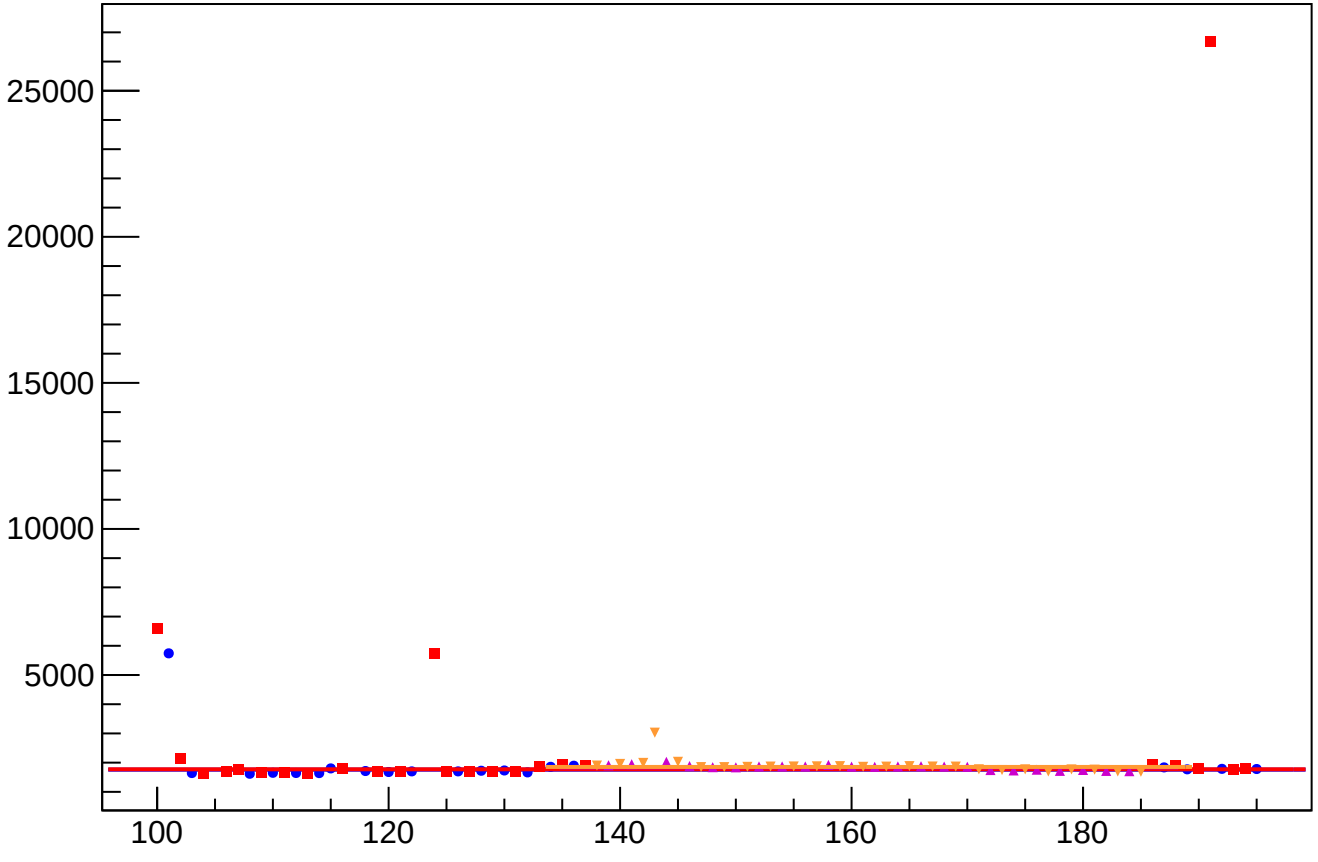
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 710.350+/-339.951 χ^2/NDF: 67.0/44

All: 386.810+/-239.638 χ^2/NDF: 107.7/92

- sign 67.241+/-337.857 χ^2/NDF: 39.0/47

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

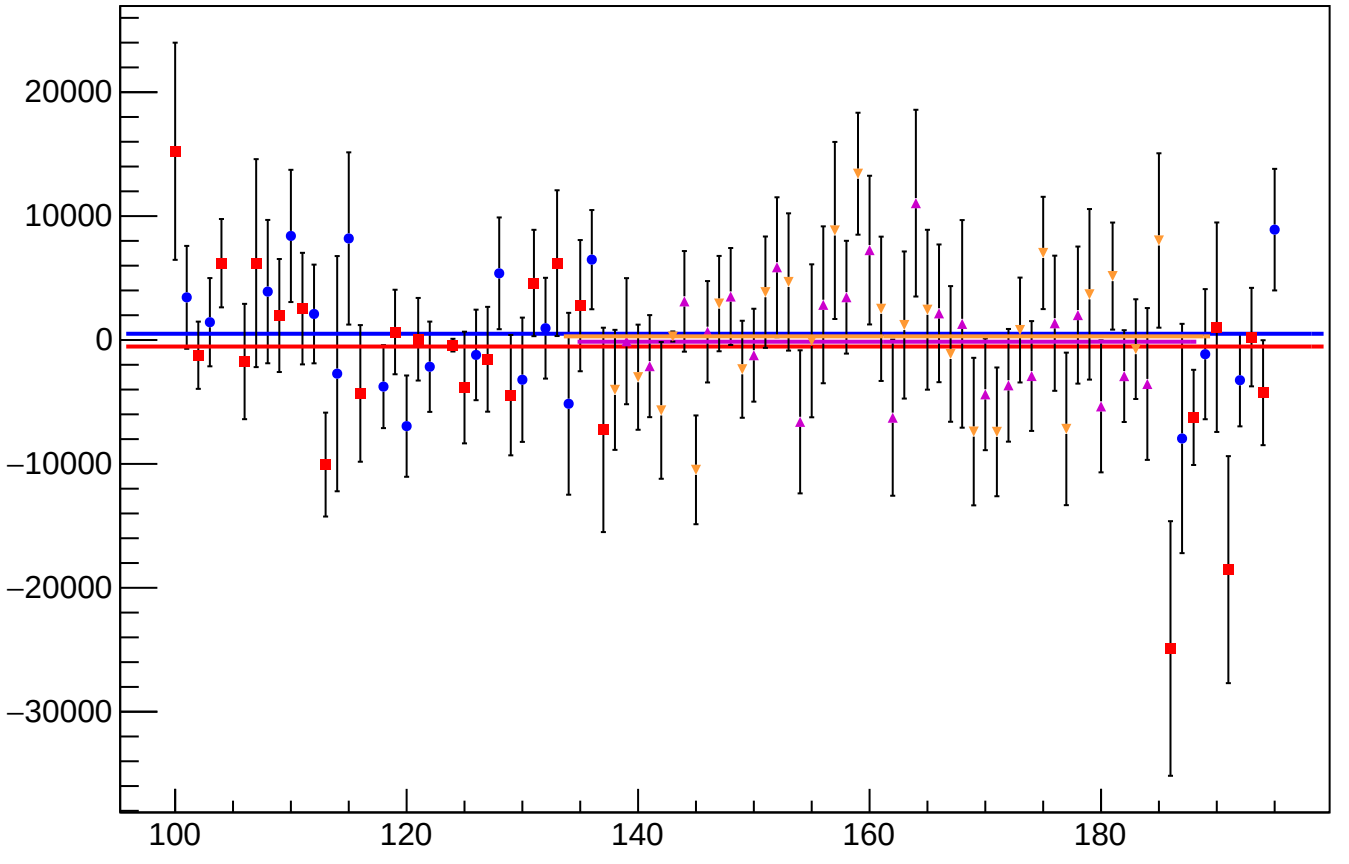
Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1819.622+/-0.240 χ^2/NDF: 1026876.1/44

All: 1816.294+/-0.169 χ^2/NDF: 1743614.9/92

- sign 1813.014+/-0.239 χ^2/NDF: 716358.2/47



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: -527.537+/-448.492 χ^2/NDF: 31.8/24

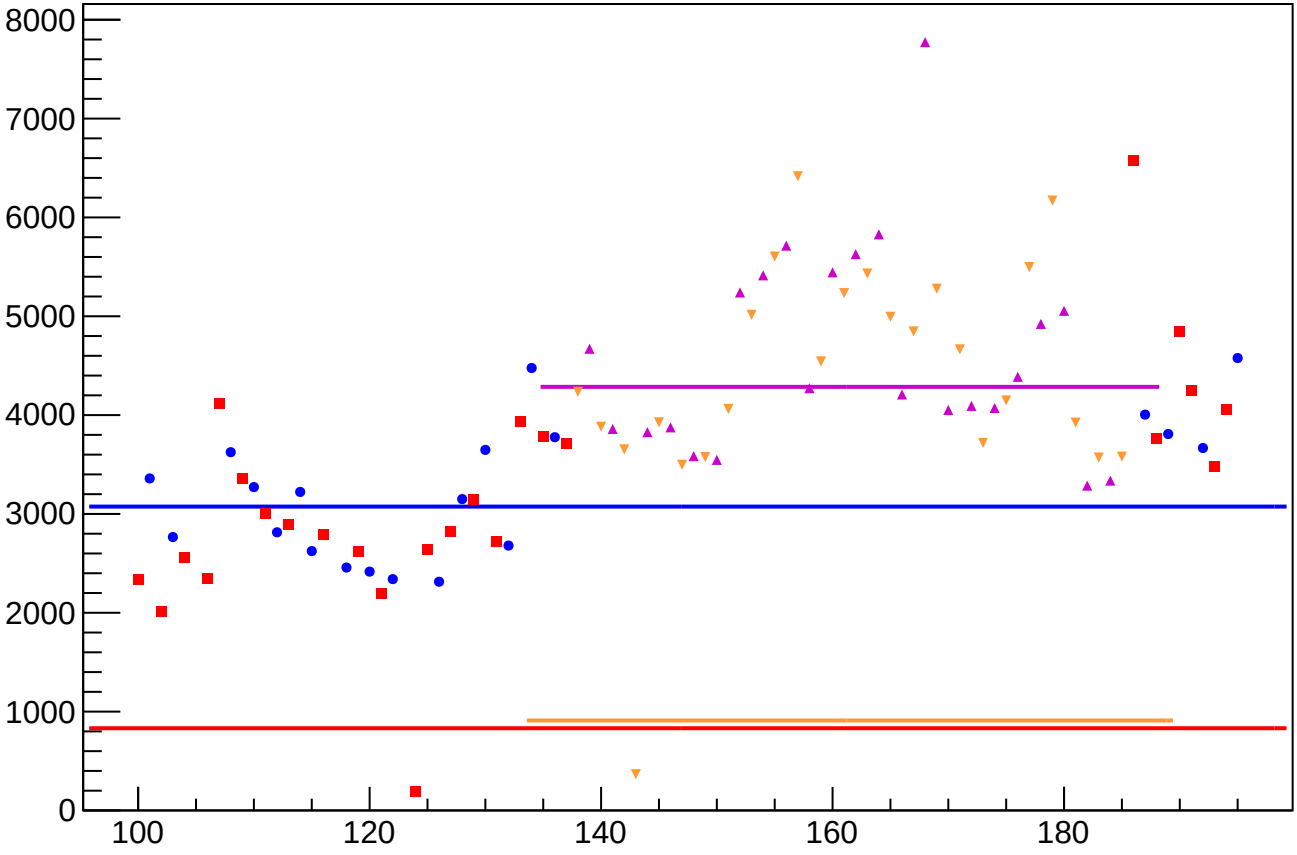
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 321.351+/-355.451 χ^2/NDF: 49.8/44

All: -15.271+/-268.782 χ^2/NDF: 97.7/92

- sign -464.775+/-410.748 χ^2/NDF: 45.8/47

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: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

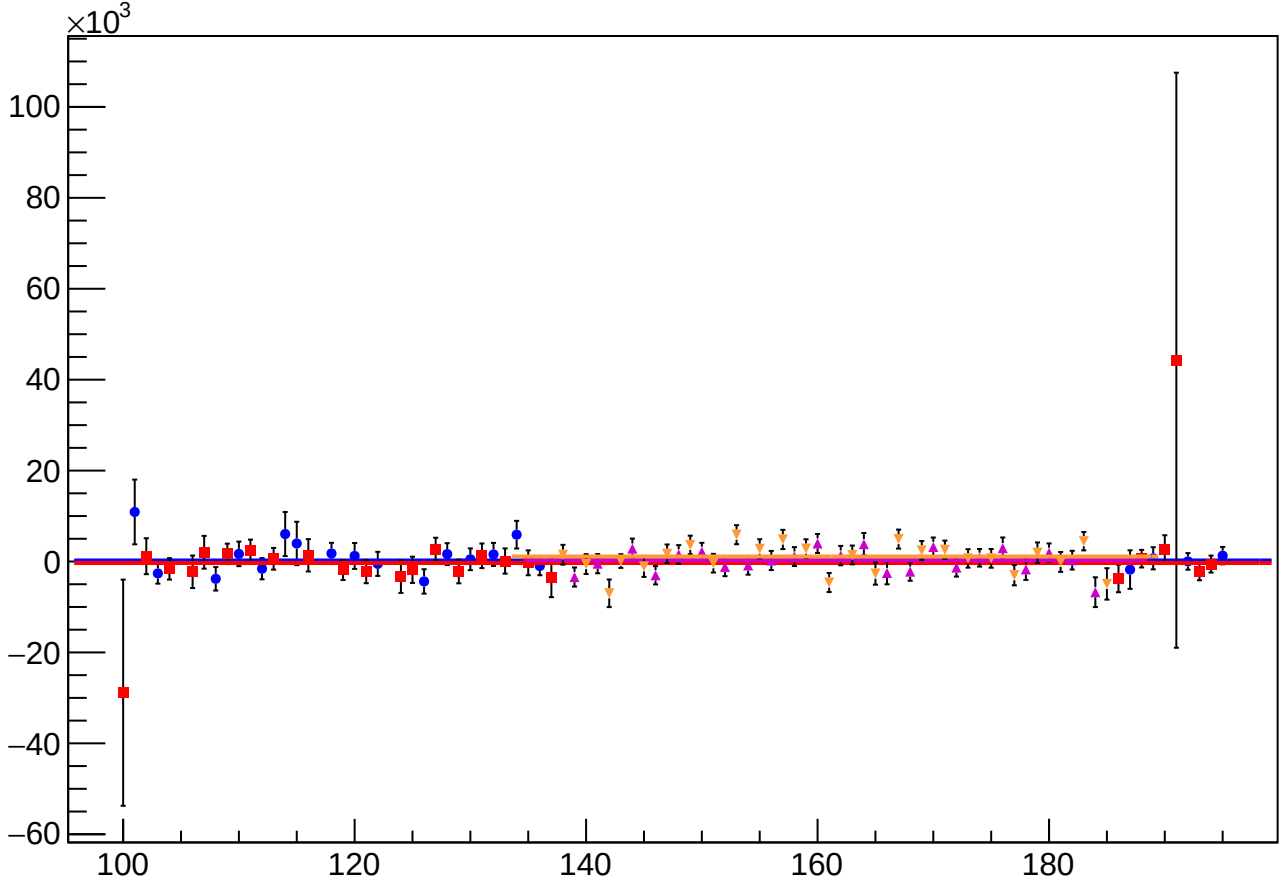
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1180.359+/-0.251 χ^2/NDF: 35699273.6/44

All: 1269.652+/-0.190 χ^2/NDF: 71318279.0/9

- sign 1388.887+/-0.290 χ^2/NDF: 35324257.7/47

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: -330.108+/-546.859 χ^2/NDF: 13.4/24

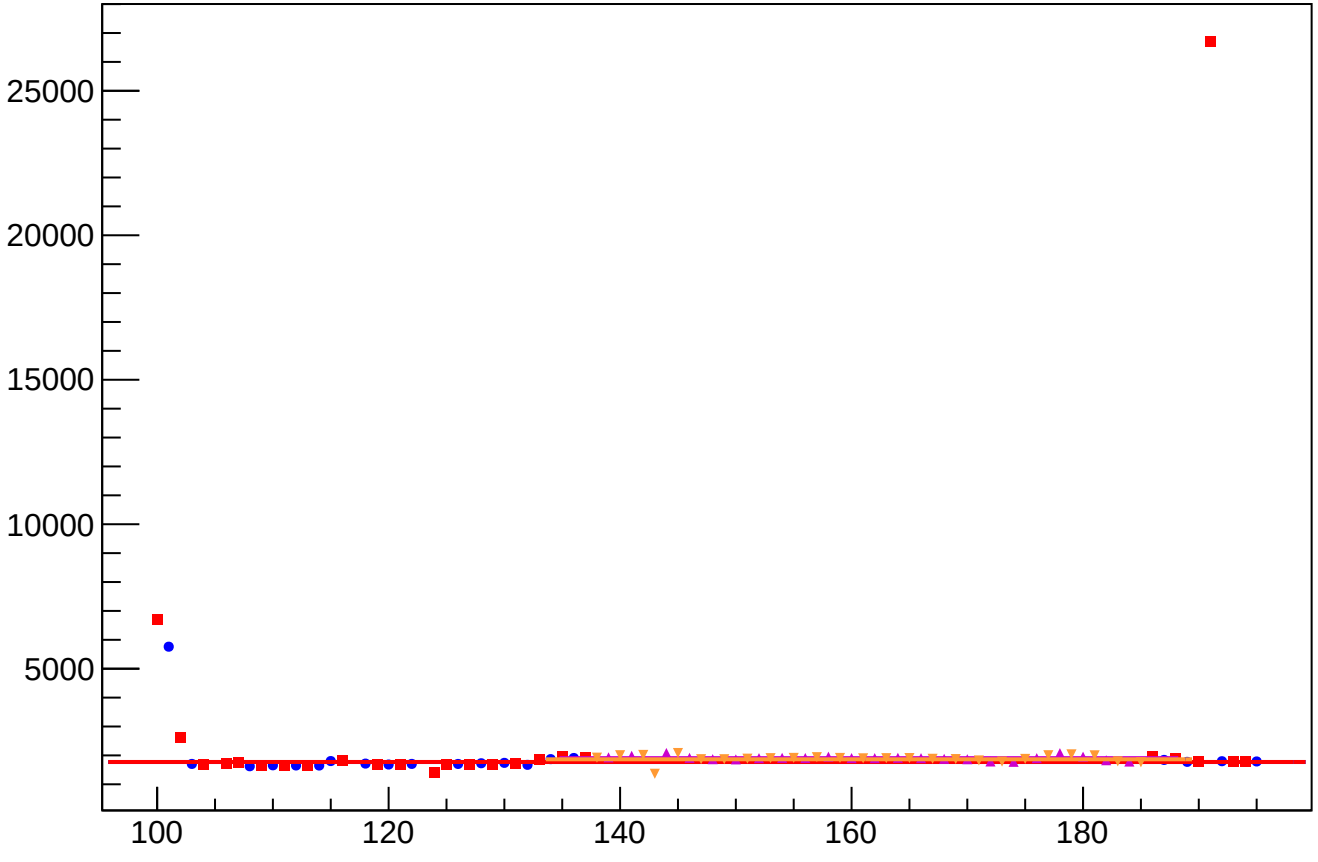
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 793.129+/-342.141 χ^2/NDF: 64.2/44

All: 413.842+/-243.049 χ^2/NDF: 108.5/92

- sign 27.461+/-345.326 χ^2/NDF: 41.8/47

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: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

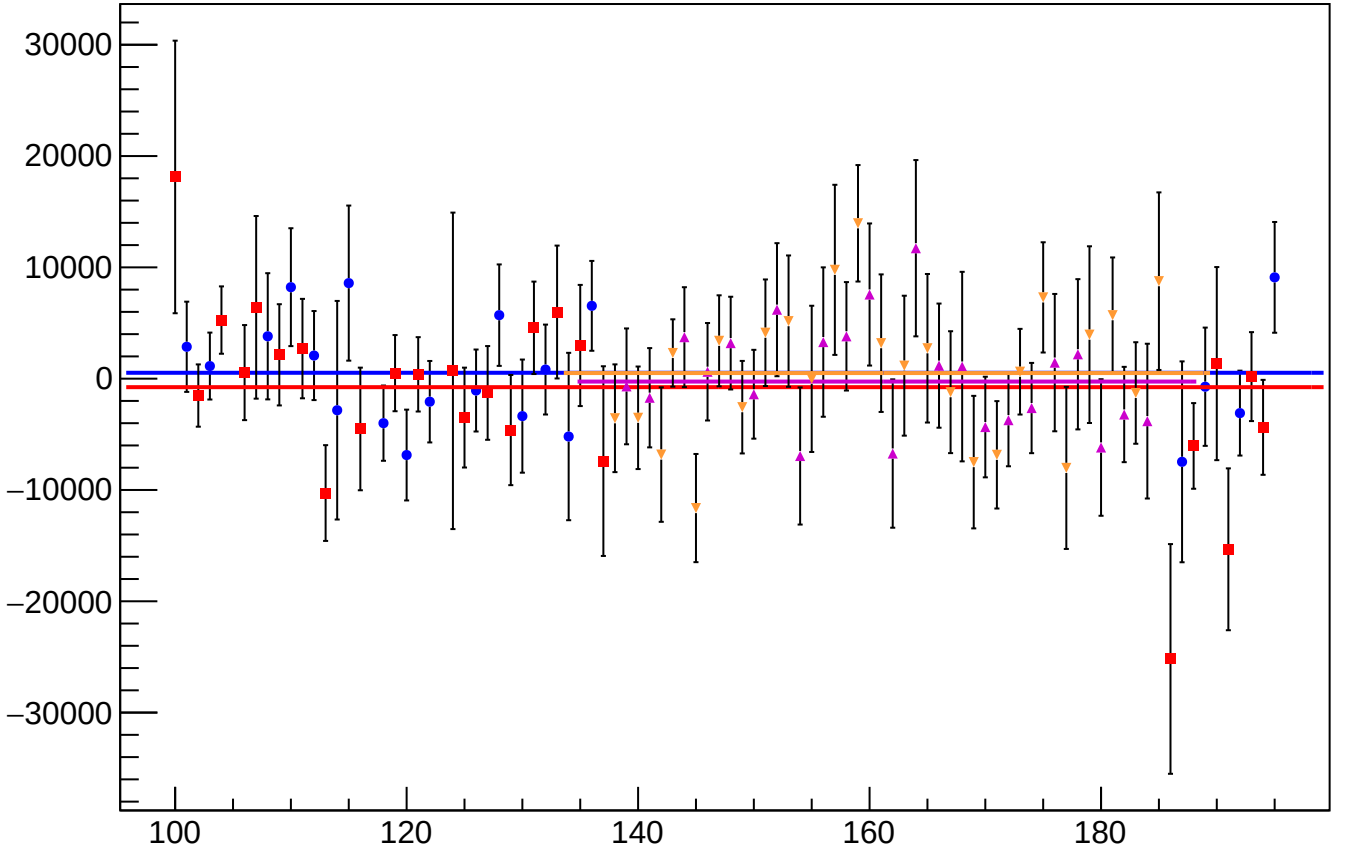
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1831.578+/-0.242 χ^2/NDF: 998690.3/44

All: 1841.927+/-0.172 χ^2/NDF: 1687071.6/92

- sign 1852.453+/-0.244 χ^2/NDF: 684690.3/47

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: -763.395+/-918.246 χ^2/NDF: 31.2/24

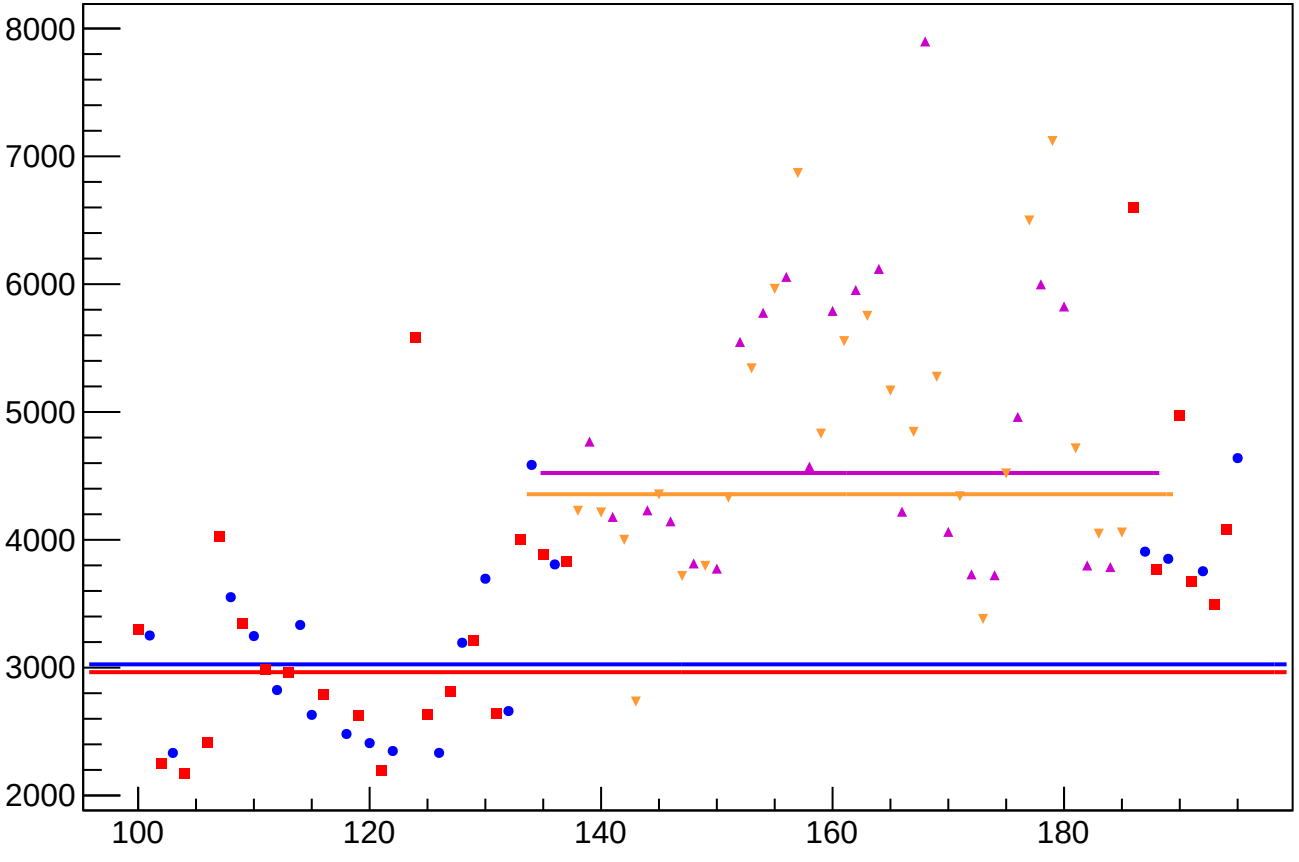
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 517.012+/-712.500 χ^2/NDF: 49.6/44

All: -27.470+/-499.317 χ^2/NDF: 95.7/92

- sign -552.939+/-699.950 χ^2/NDF: 45.0/47

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: 2964.647+/-0.649 χ^2/NDF: 1348840.1/24

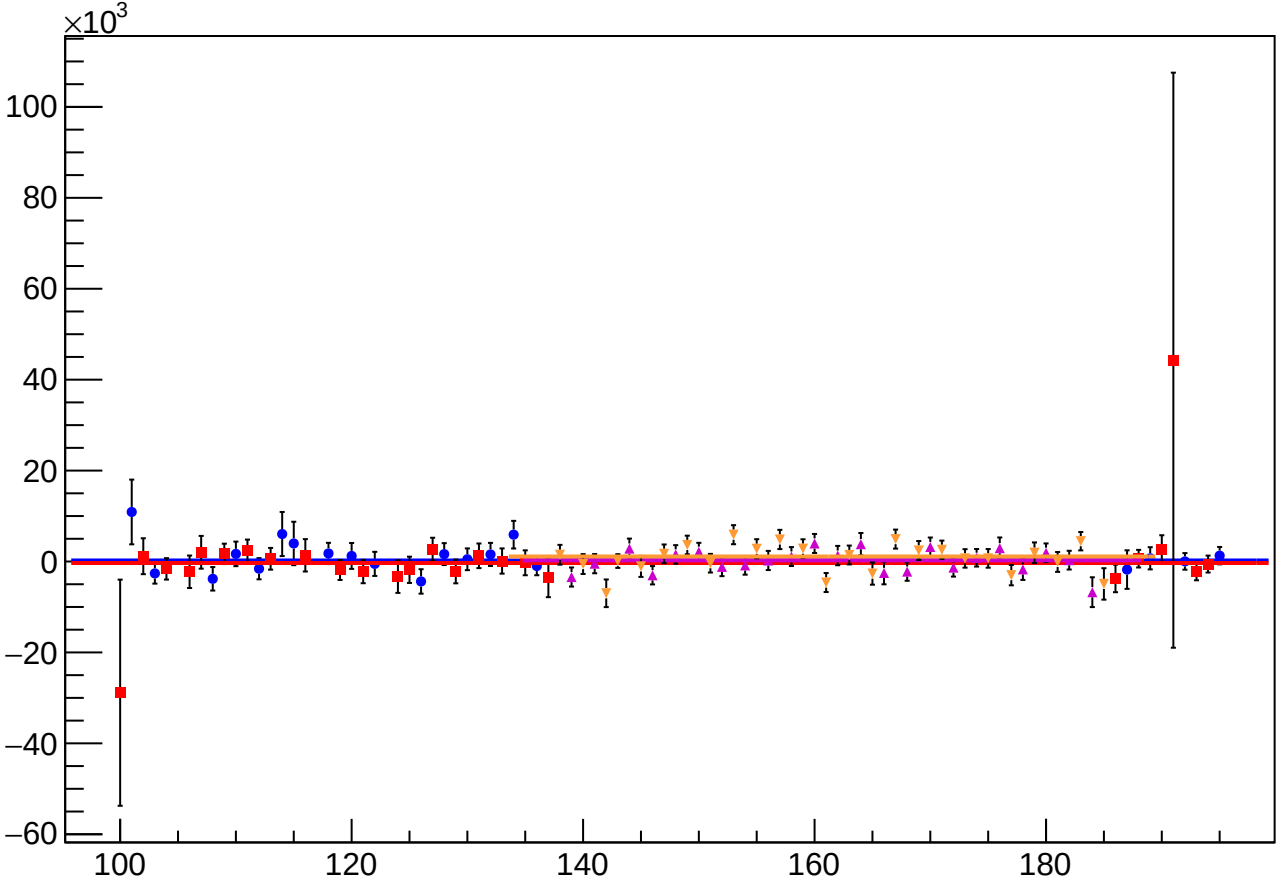
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3673.041+/-0.504 χ^2/NDF: 4604504.2/44

All: 3644.739+/-0.353 χ^2/NDF: 9806149.1/92

- sign 3617.426+/-0.495 χ^2/NDF: 5195443.7/47

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: -330.105+/-546.859 χ^2/NDF: 13.4/24

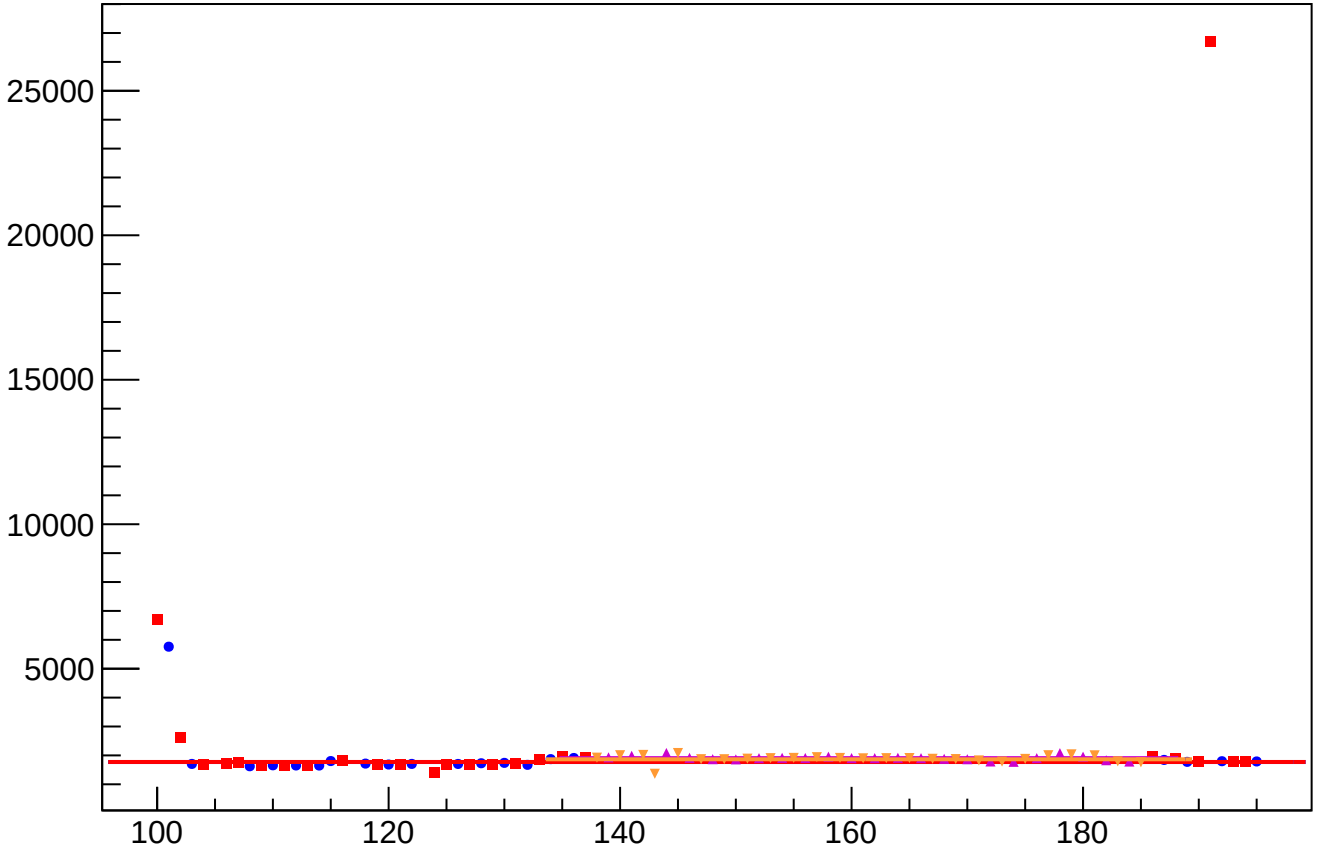
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 793.130+/-342.141 χ^2/NDF: 64.2/44

All: 413.844+/-243.049 χ^2/NDF: 108.5/92

- sign 27.462+/-345.326 χ^2/NDF: 41.8/47

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: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

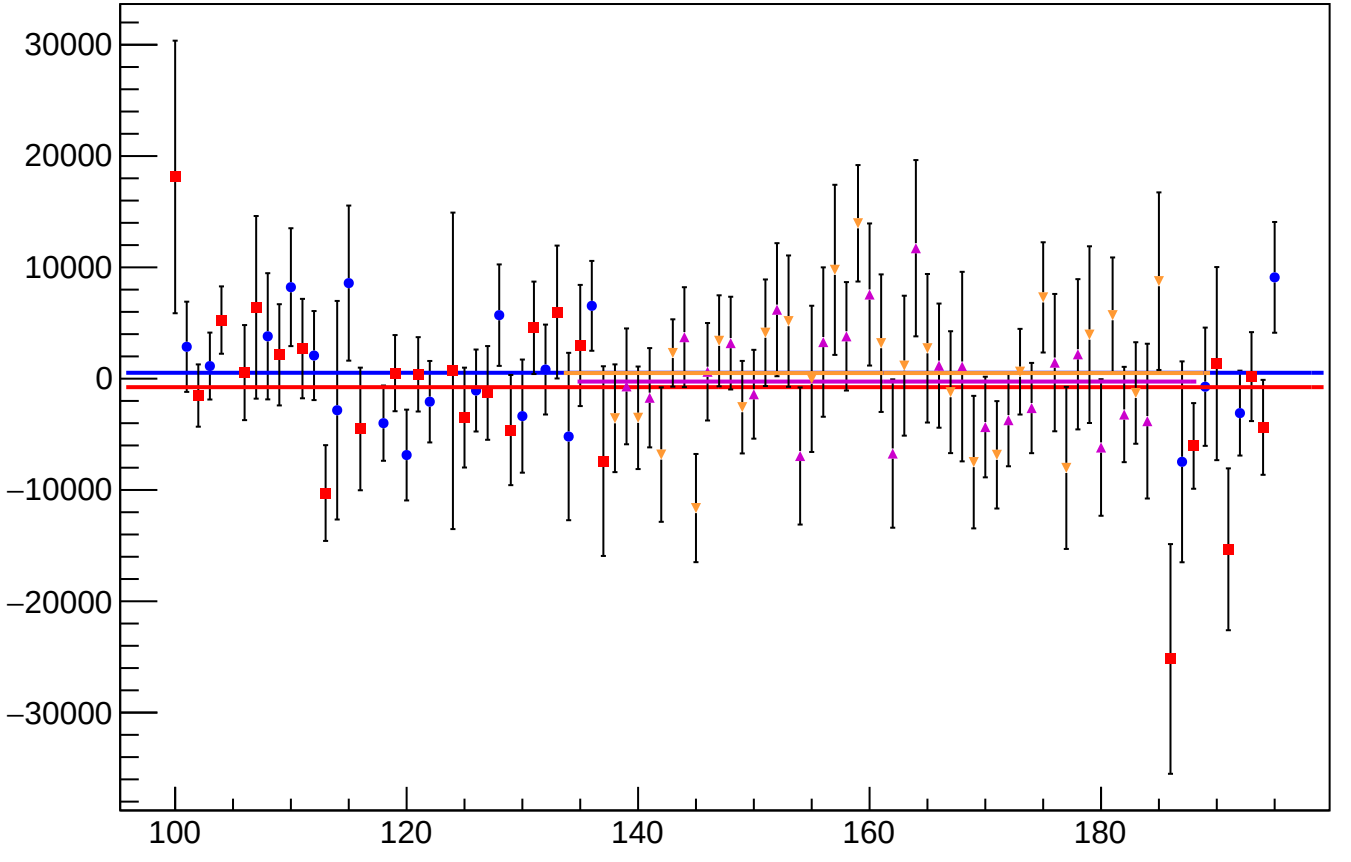
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1831.579+/-0.242 χ^2/NDF: 998694.4/44

All: 1841.928+/-0.172 χ^2/NDF: 1687079.1/92

- sign 1852.454+/-0.244 χ^2/NDF: 684693.7/47

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



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: -763.391+/-918.245 χ^2/NDF: 31.2/24

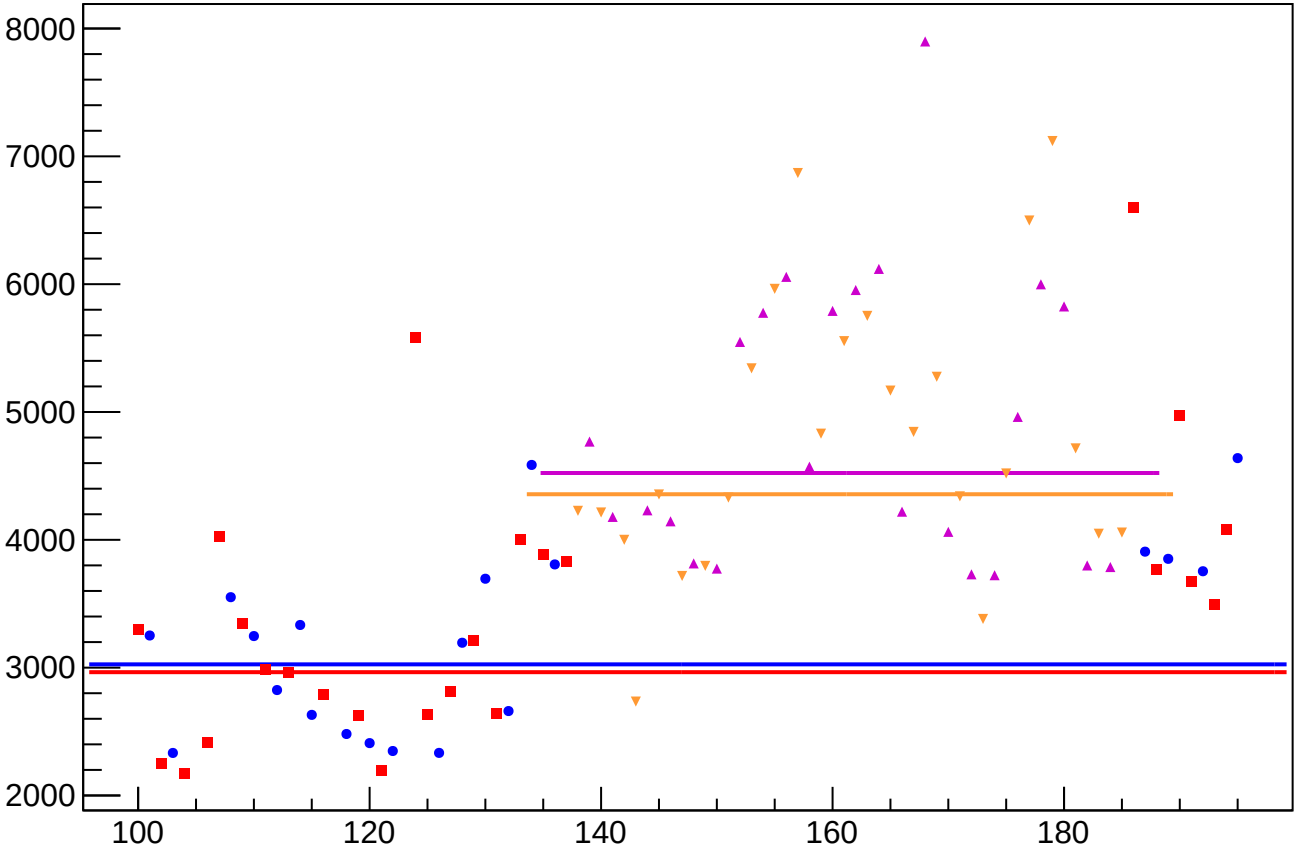
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 517.011+/-712.500 χ^2/NDF: 49.6/44

All: -27.469+/-499.317 χ^2/NDF: 95.7/92

- sign -552.938+/-699.950 χ^2/NDF: 45.0/47

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: 2964.642+/-0.649 χ^2/NDF: 1348845.5/24

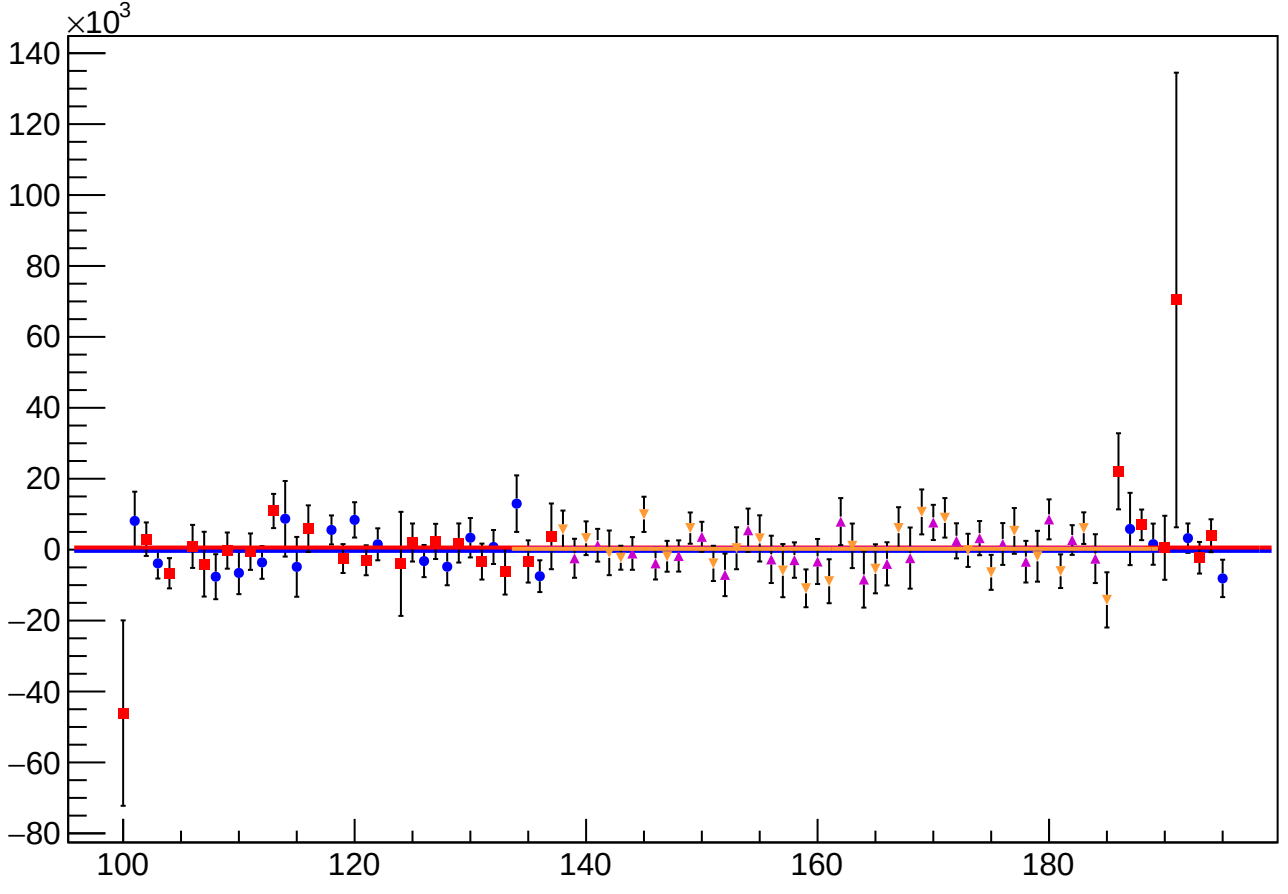
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3673.039+/-0.504 χ^2/NDF: 4604557.8/44

All: 3644.737+/-0.353 χ^2/NDF: 9806244.3/92

- sign 3617.424+/-0.495 χ^2/NDF: 5195485.4/47

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: 598.506+/-1127.862 χ^2/NDF: 24.1/24

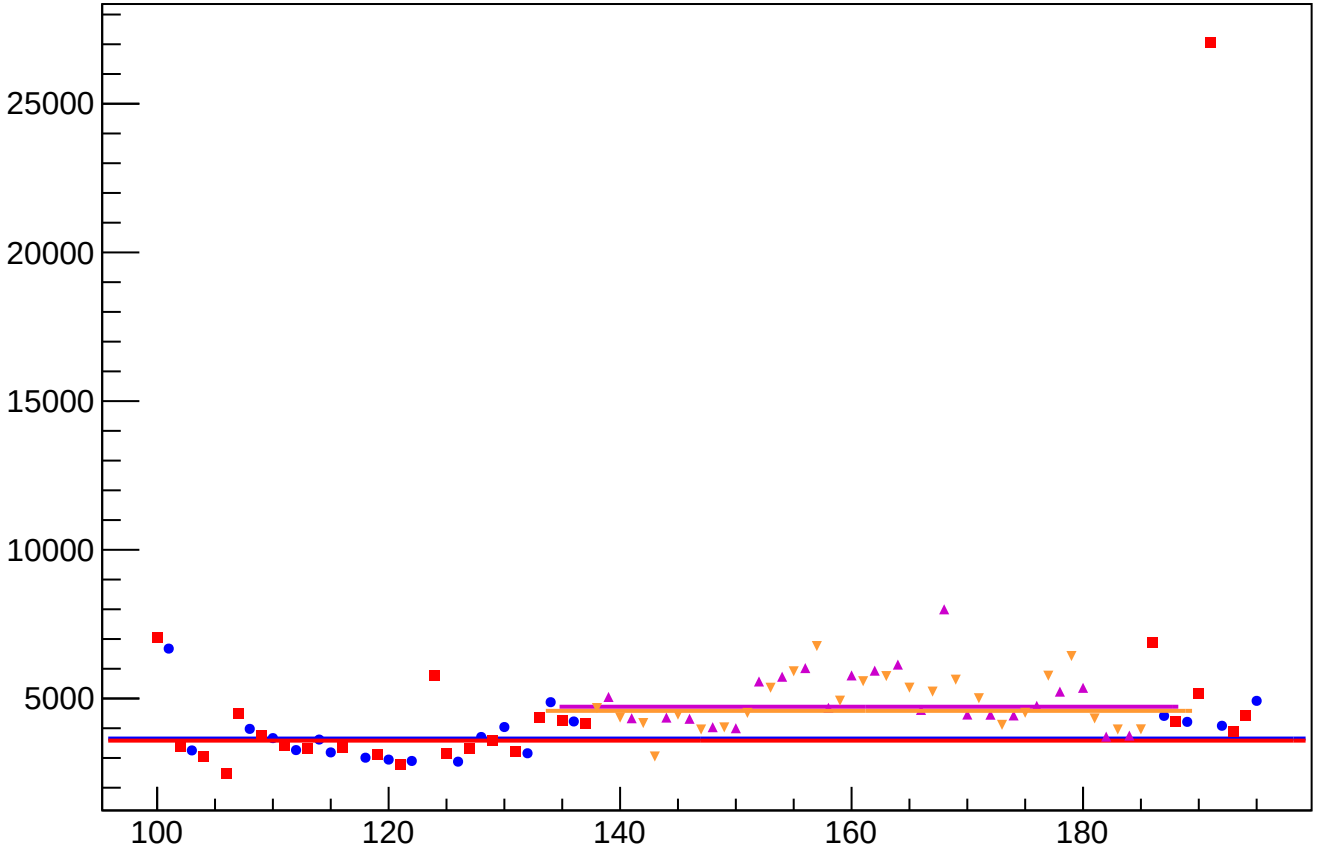
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign -18.769+/-794.702 χ^2/NDF: 53.6/44

All: 239.260+/-562.114 χ^2/NDF: 92.2/92

- sign 497.610+/-795.197 χ^2/NDF: 38.3/47

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: 3583.618+/-0.789 χ^2/NDF: 1088450.9/24

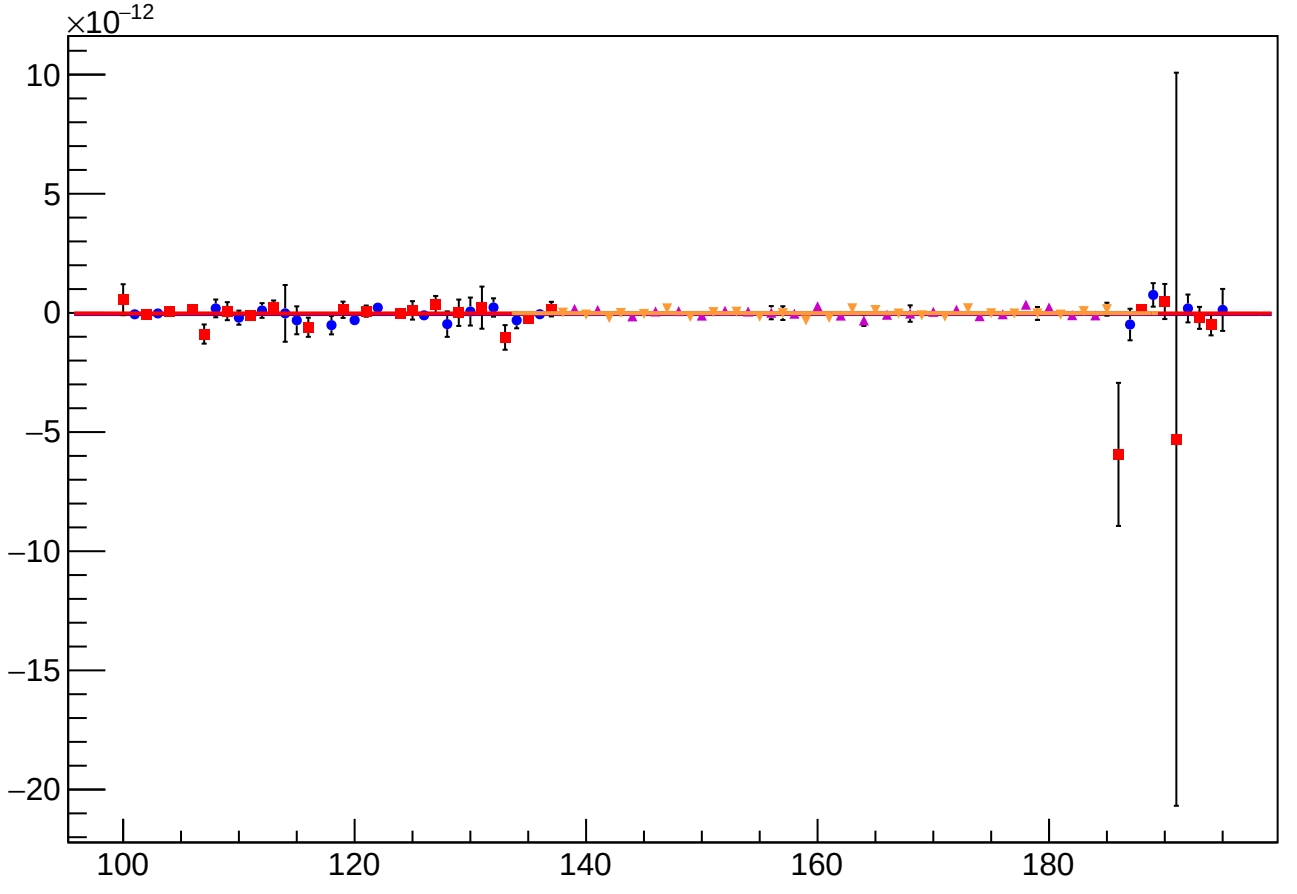
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4172.085+/-0.562 χ^2/NDF: 2784567.0/44

All: 4161.168+/-0.396 χ^2/NDF: 5928239.3/92

- sign 4150.358+/-0.559 χ^2/NDF: 3142921.2/47

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: 24.8/24

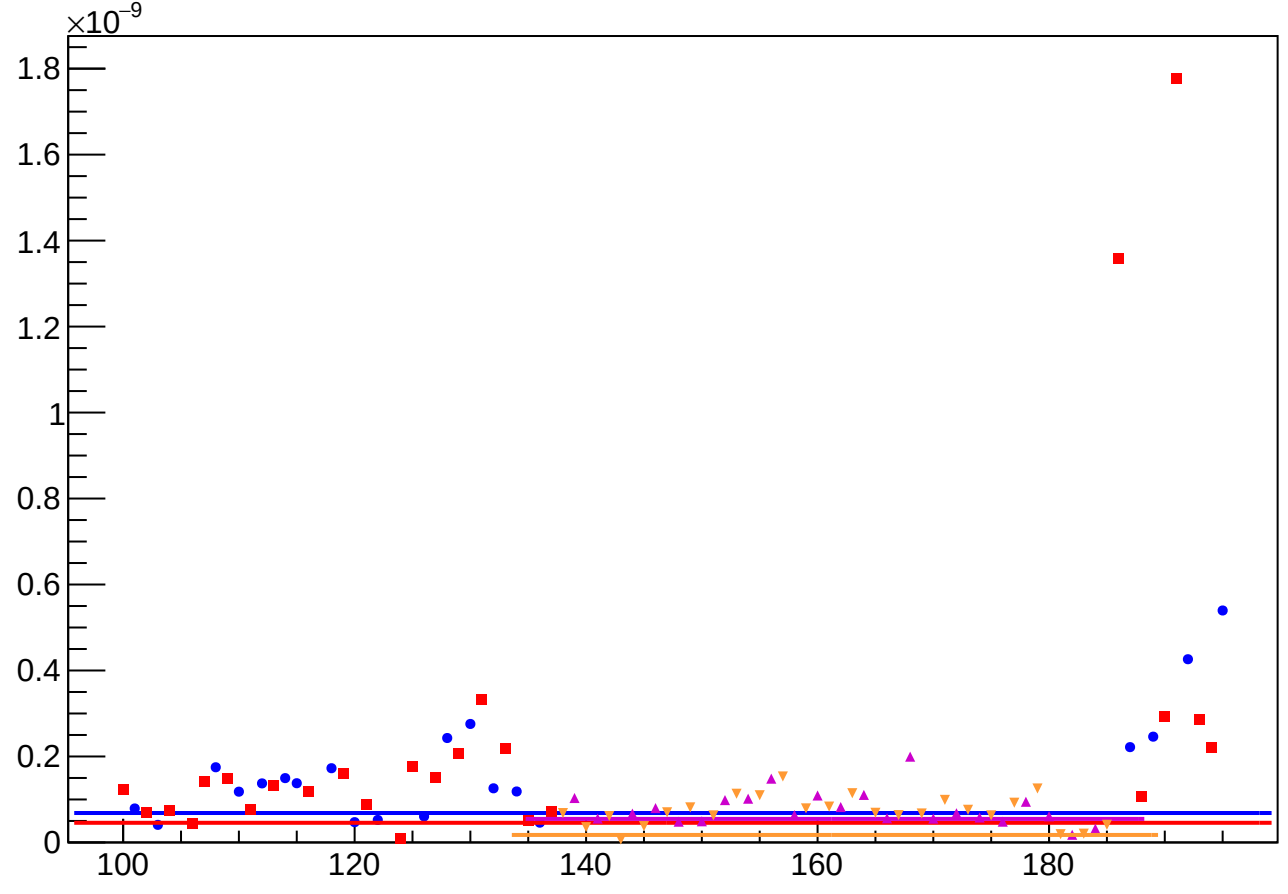
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/44

All: -0.000+/-0.000 χ^2/NDF: 86.3/92

- sign -0.000+/-0.000 χ^2/NDF: 50.9/47

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: 4859293.2/24

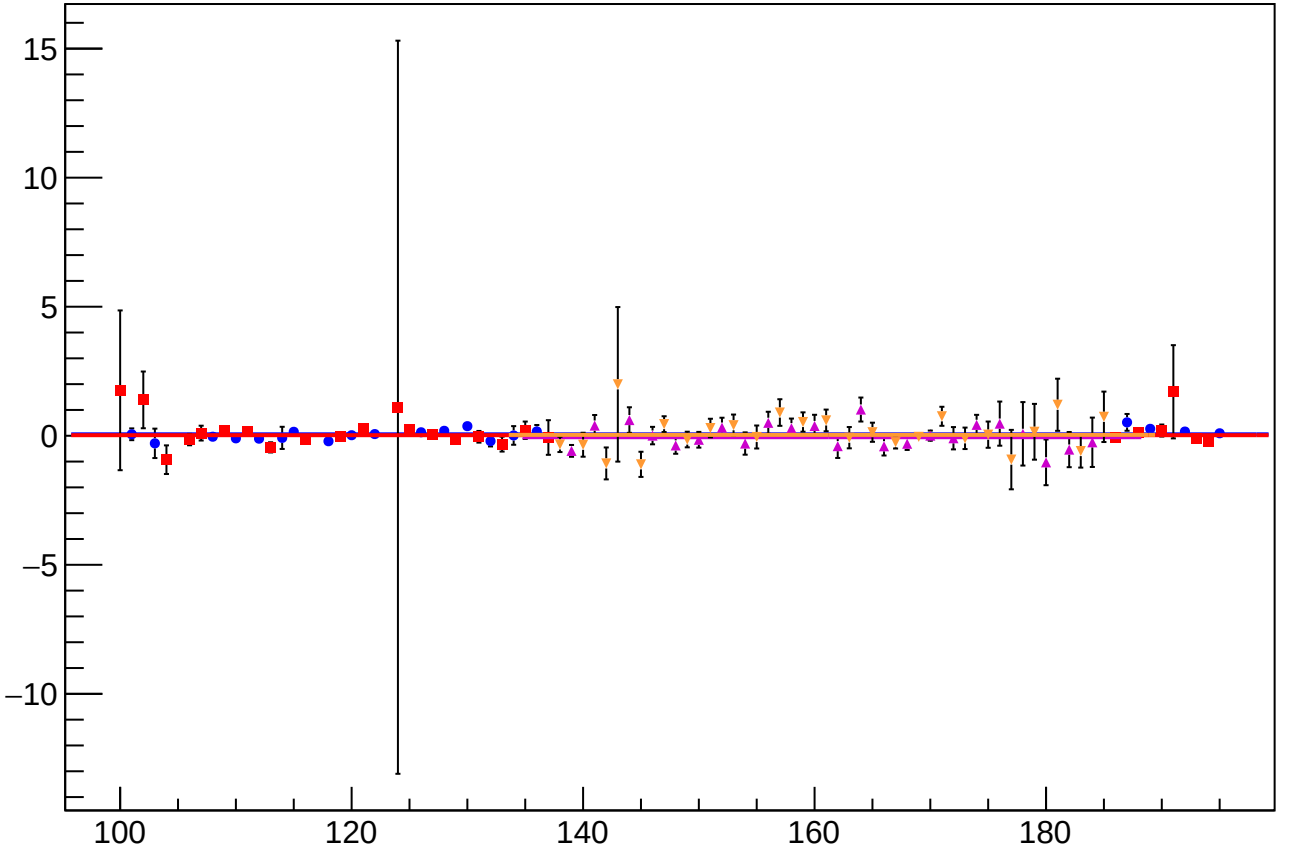
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 14541892.2/44

All: 0.000+/-0.000 χ^2/NDF: 26131607.0/92

\- sign 0.000+/-0.000 χ^2/NDF: 7749727.6/47

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: 0.022+/-0.037 χ^2/NDF: 28.1/24

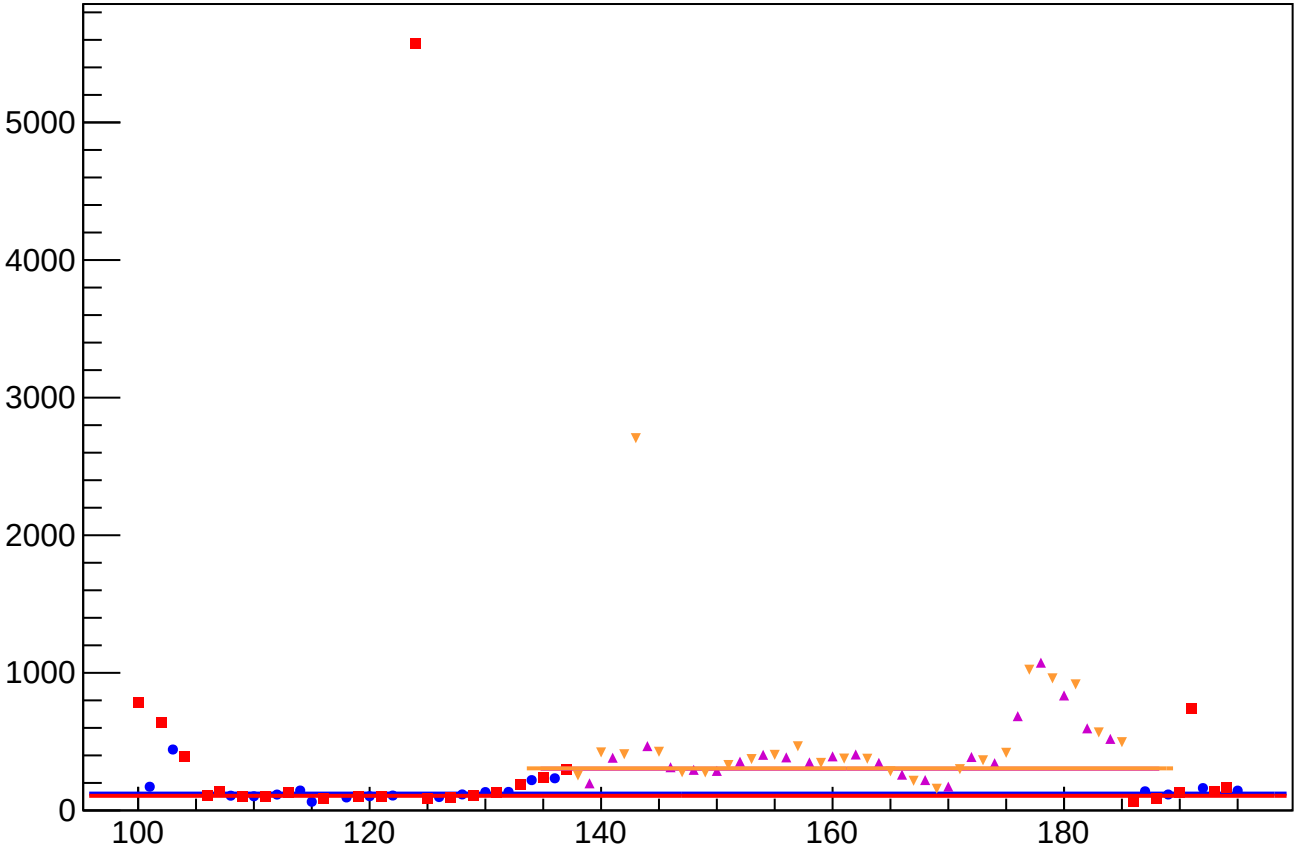
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.027+/-0.025 χ^2/NDF: 102.9/92

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

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: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

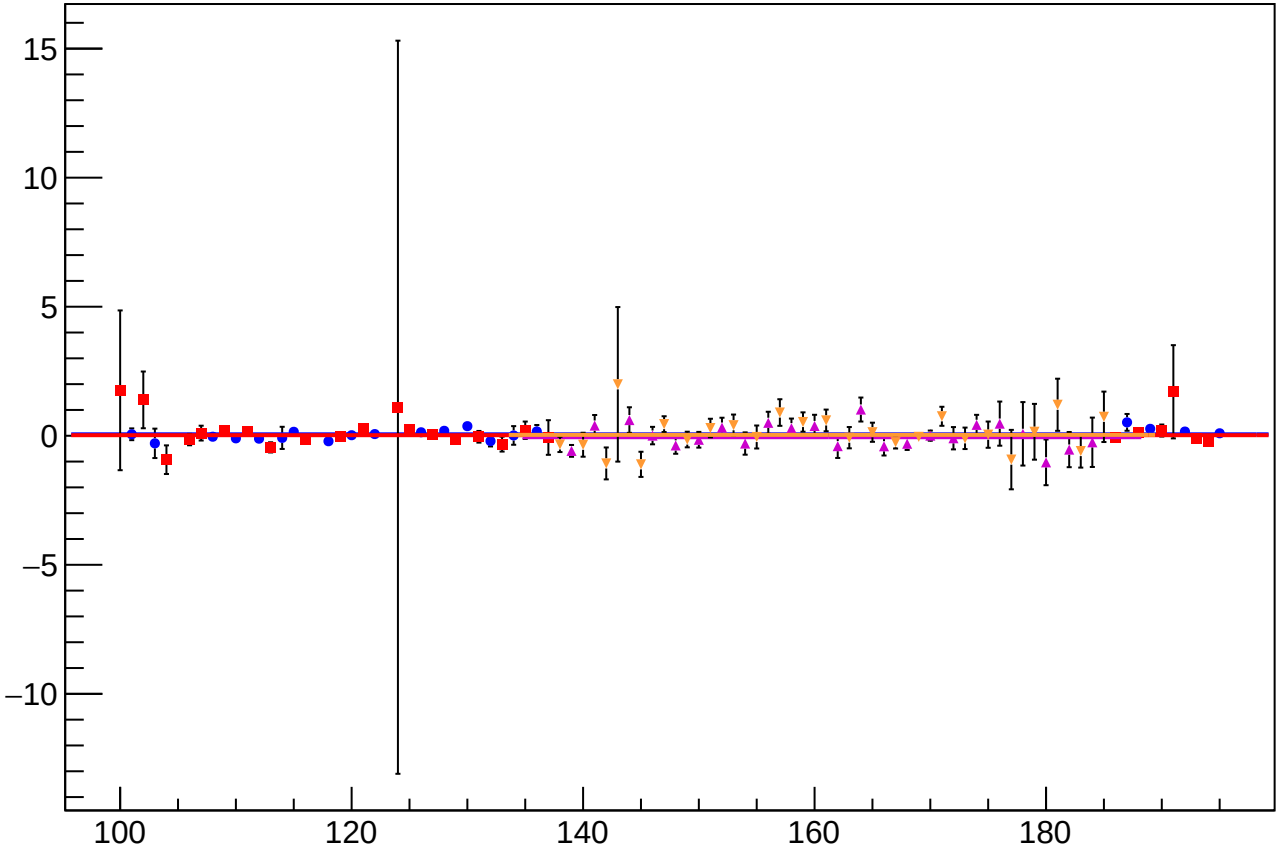
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.441+/-0.026 χ^2/NDF: 17078579.6/44

All: 152.113+/-0.017 χ^2/NDF: 36103501.4/92

- sign 142.418+/-0.023 χ^2/NDF: 18633745.3/47

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: 0.022+/-0.037 χ^2/NDF: 28.1/24

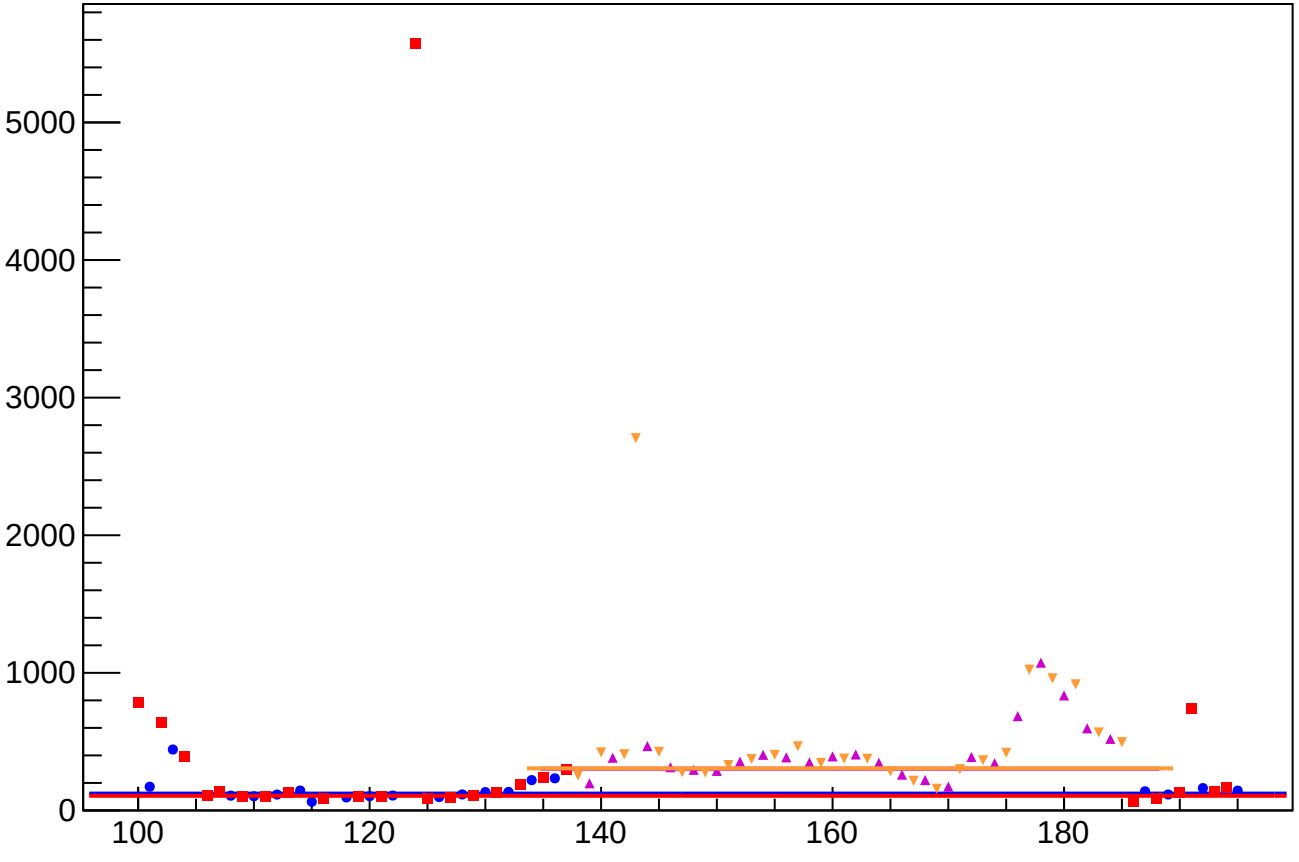
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.027+/-0.025 χ^2/NDF: 102.9/92

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

asym_atr1l2_dd_dit_vs_eigen_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

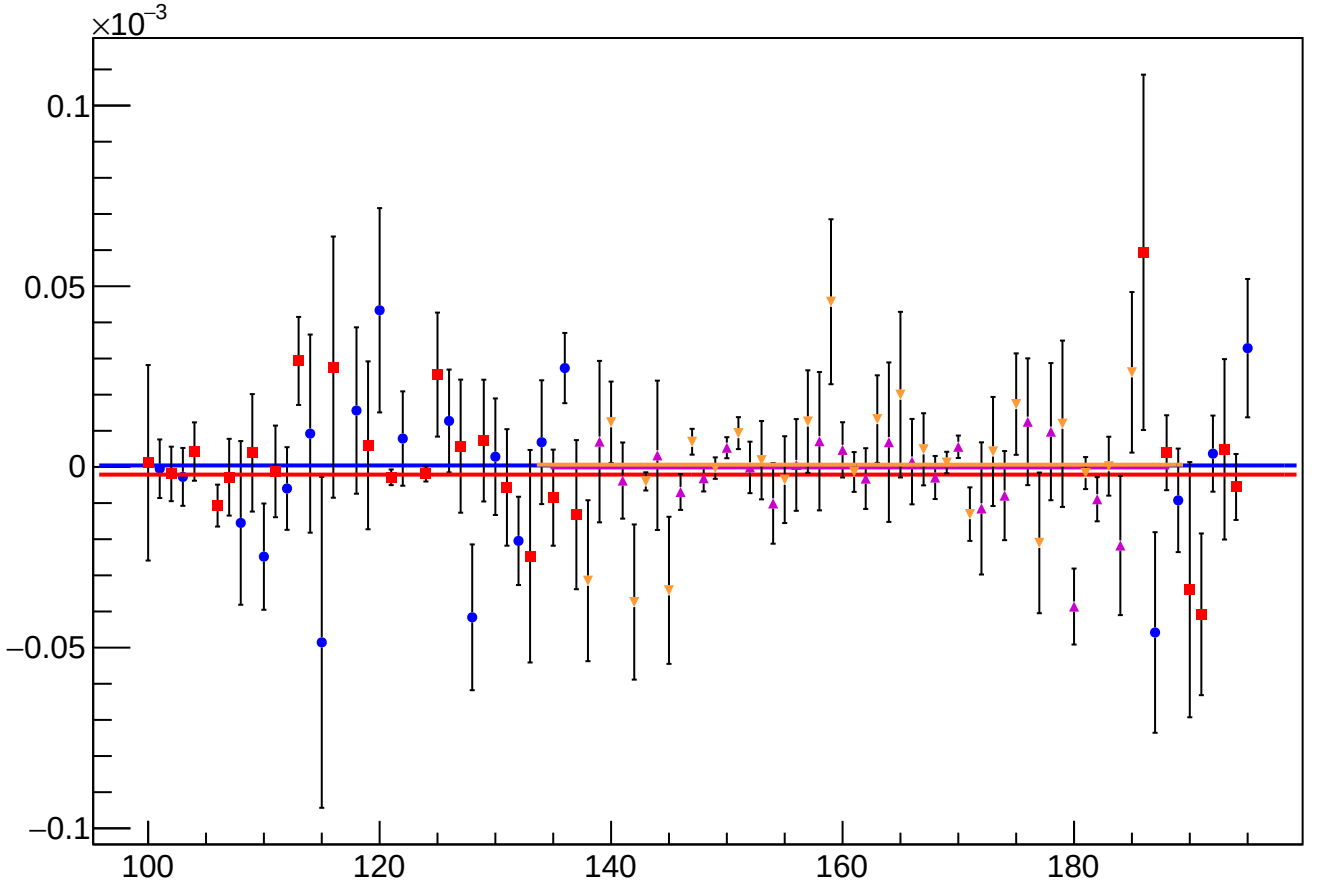
Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.441+/-0.026 χ^2/NDF: 17078579.6/44

All: 152.113+/-0.017 χ^2/NDF: 36103501.4/92

- sign 142.418+/-0.023 χ^2/NDF: 18633745.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

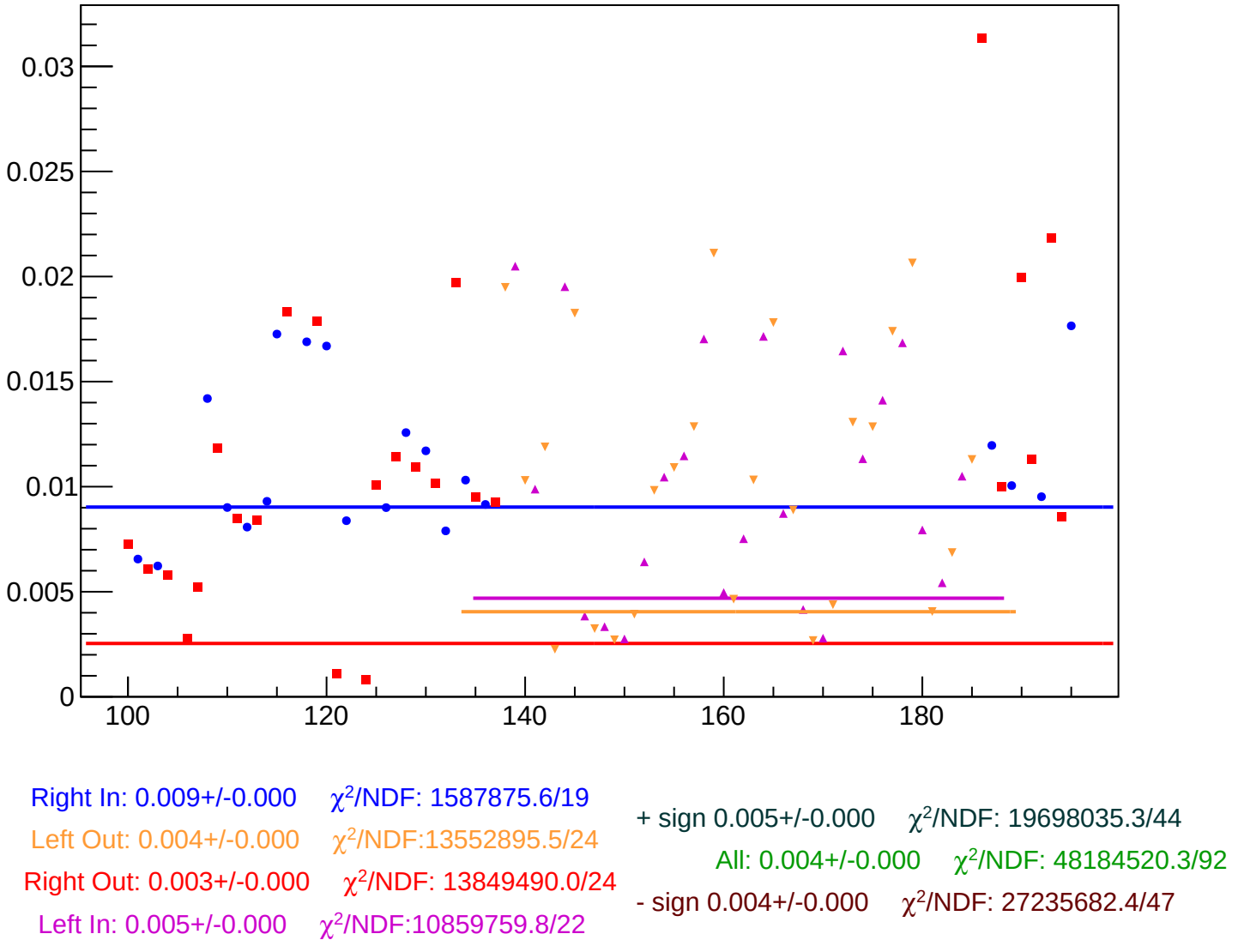
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

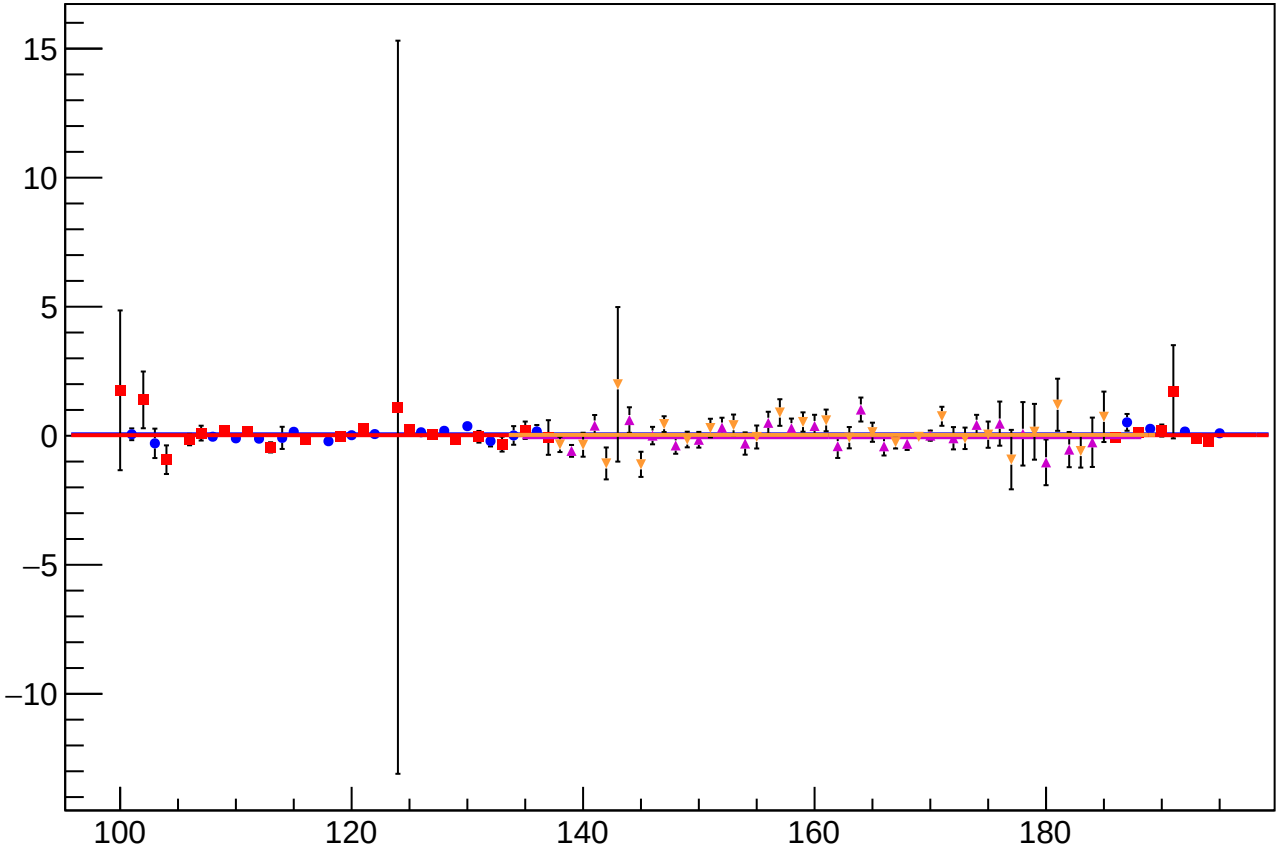
+ sign 0.000+/-0.000 χ^2/NDF: 64.9/44

All: -0.000+/-0.000 χ^2/NDF: 118.0/92

- sign -0.000+/-0.000 χ^2/NDF: 51.6/47


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.009+/-0.000 χ²/NDF: 1587875.6/19
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 13849490.0/24
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 19698035.3/44
All: 0.004+/-0.000 χ²/NDF: 48184520.3/92
- sign 0.004+/-0.000 χ²/NDF: 27235682.4/47

asym_atr1l2_dd_eigen_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: 0.022+/-0.037 χ^2/NDF: 28.1/24

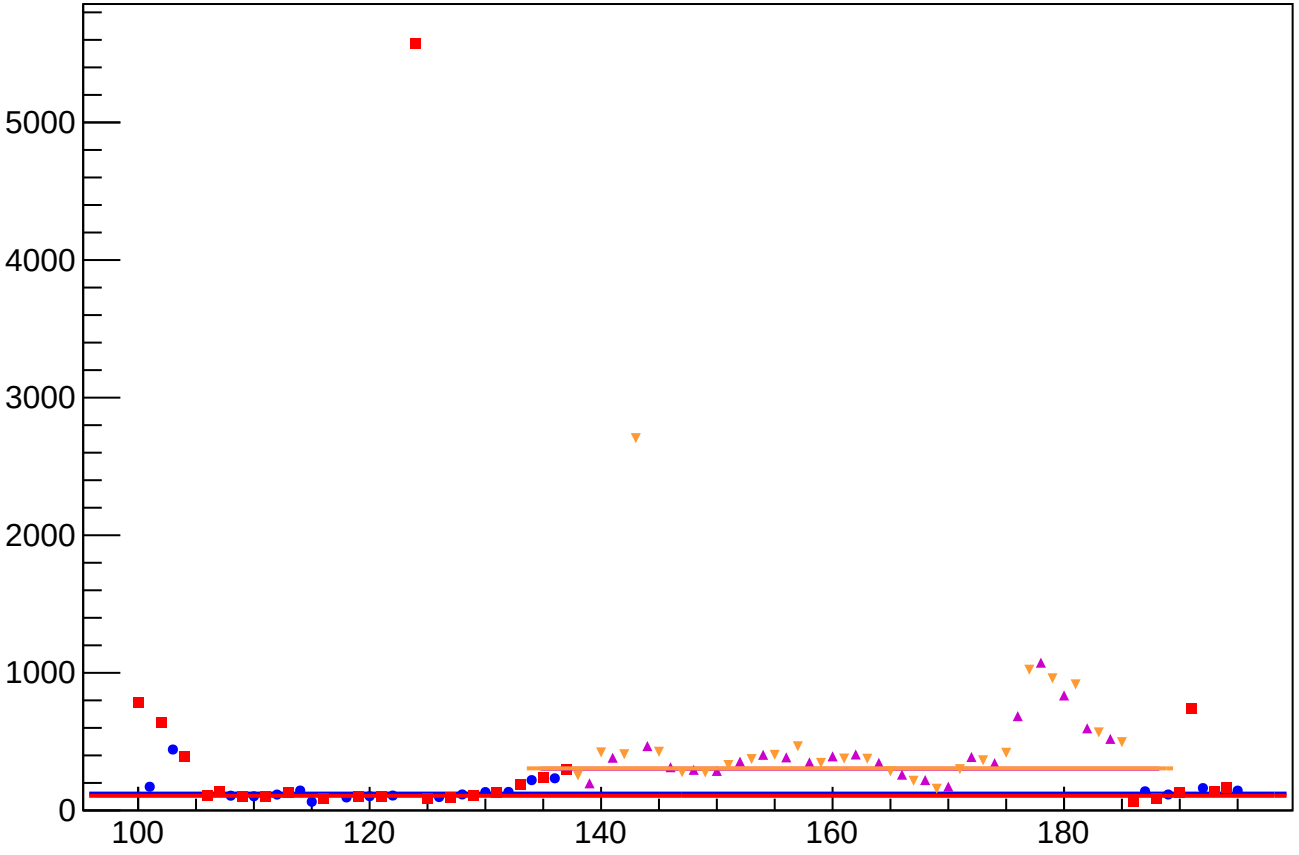
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.027+/-0.025 χ^2/NDF: 102.9/92

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

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

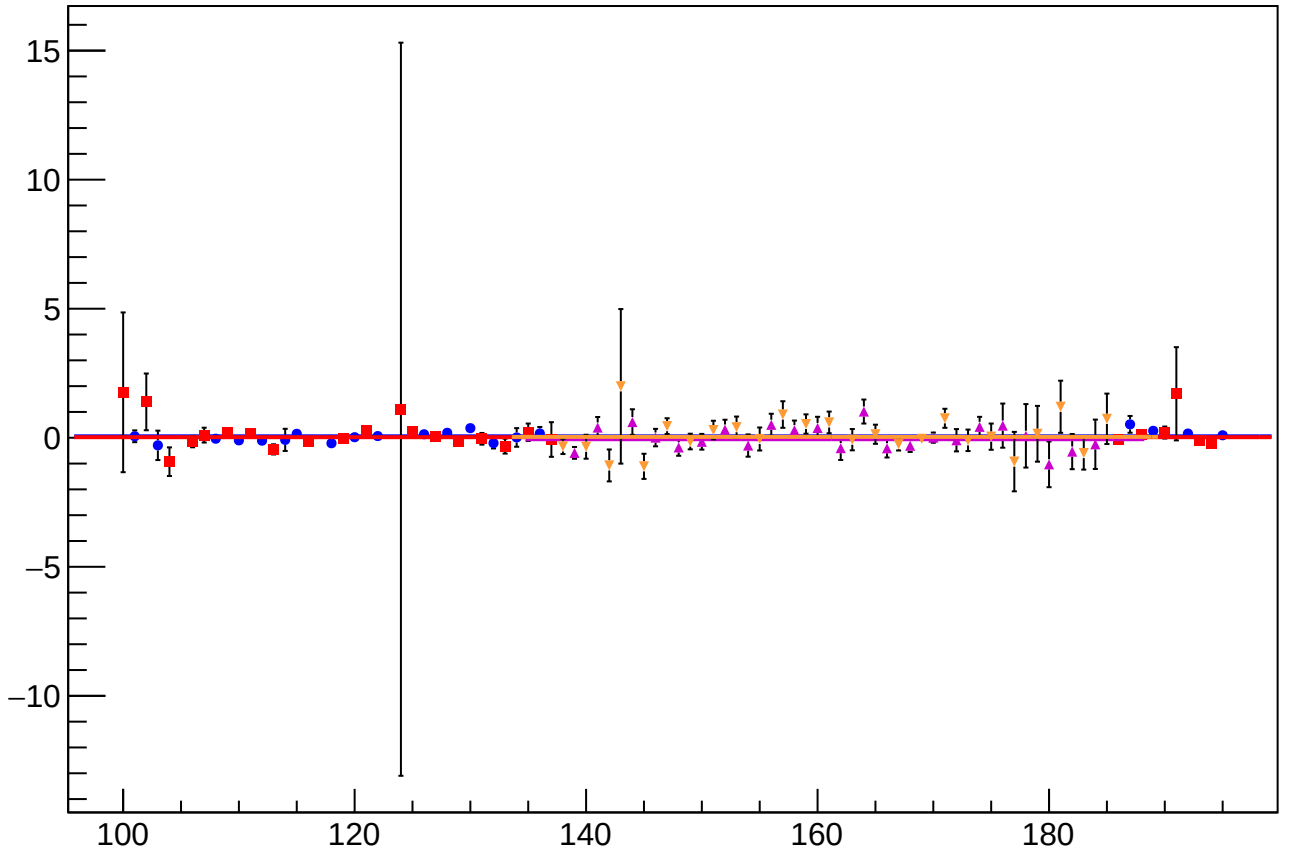
Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.442+/-0.026 χ^2/NDF: 17078643.4/44

All: 152.114+/-0.017 χ^2/NDF: 36103415.9/92

- sign 142.419+/-0.023 χ^2/NDF: 18633612.8/47



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

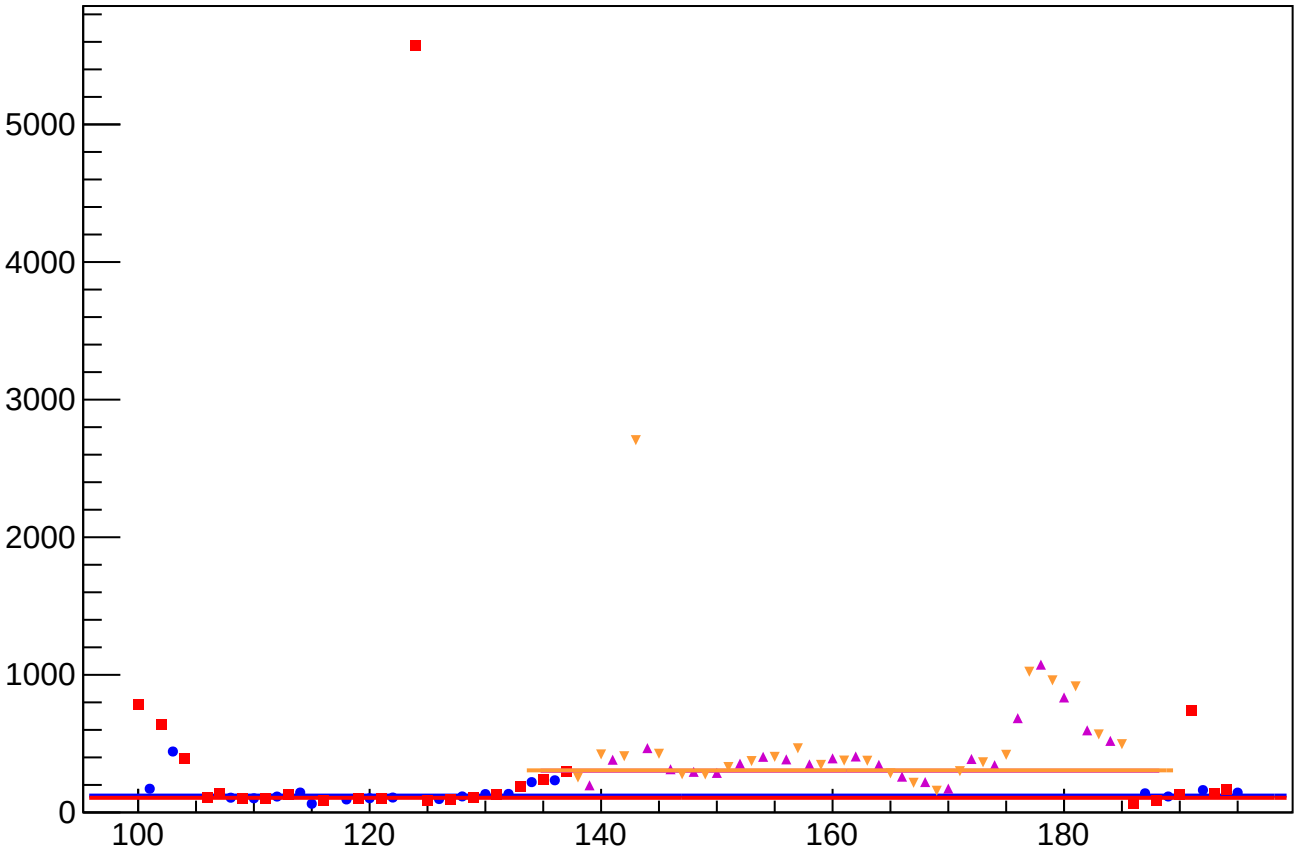
Right Out: 0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.051+/-0.037 χ^2/NDF: 47.2/44

All: 0.027+/-0.025 χ^2/NDF: 102.9/92

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47



Right In: 122.521+/-0.030 χ^2/NDF: 1896996.3/19

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

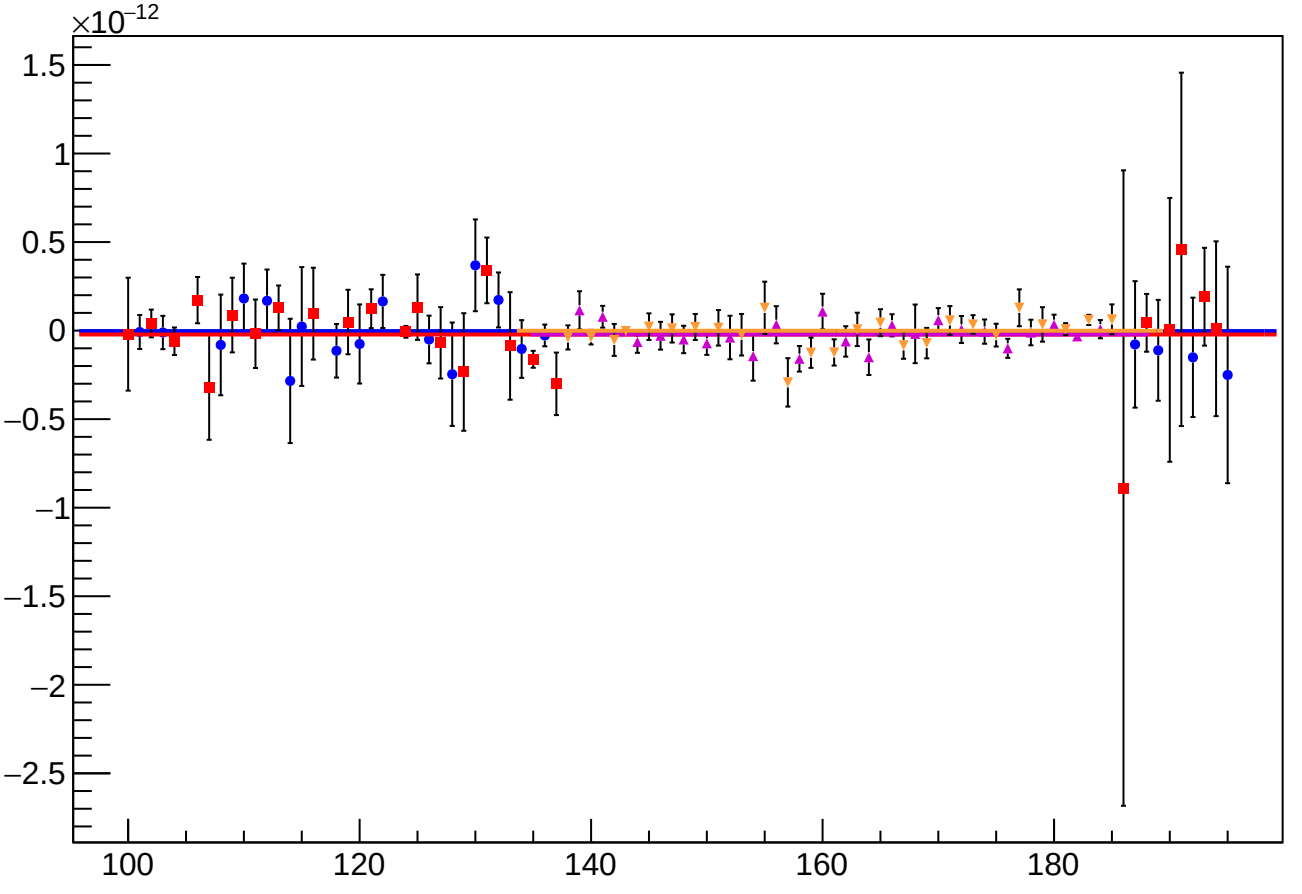
Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.442+/-0.026 χ^2/NDF: 17078643.4/44

All: 152.114+/-0.017 χ^2/NDF: 36103415.9/92

- sign 142.419+/-0.023 χ^2/NDF: 18633612.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

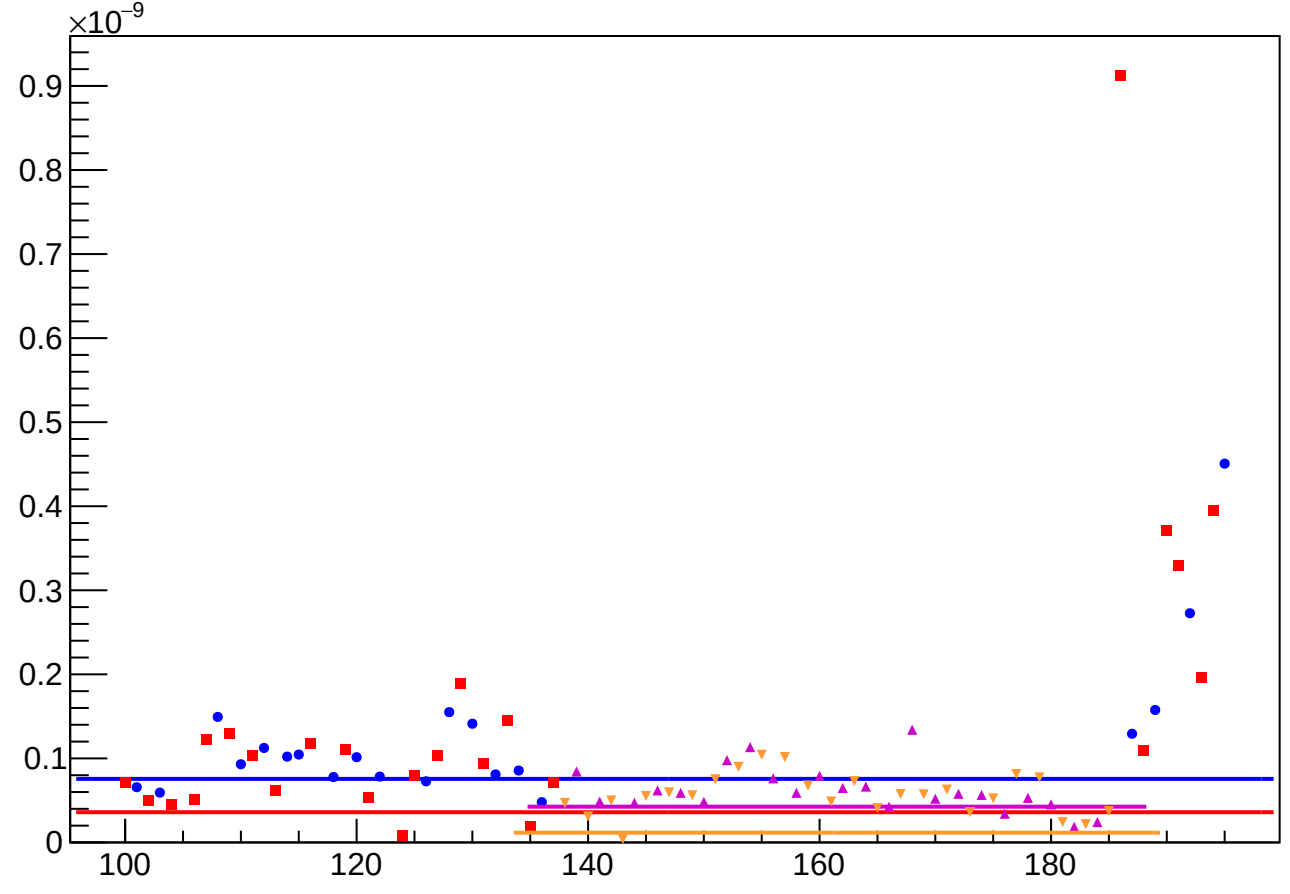
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/24

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: 79.5/92

- sign -0.000+/-0.000 χ^2/NDF: 45.0/47



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: 7696187.3/24

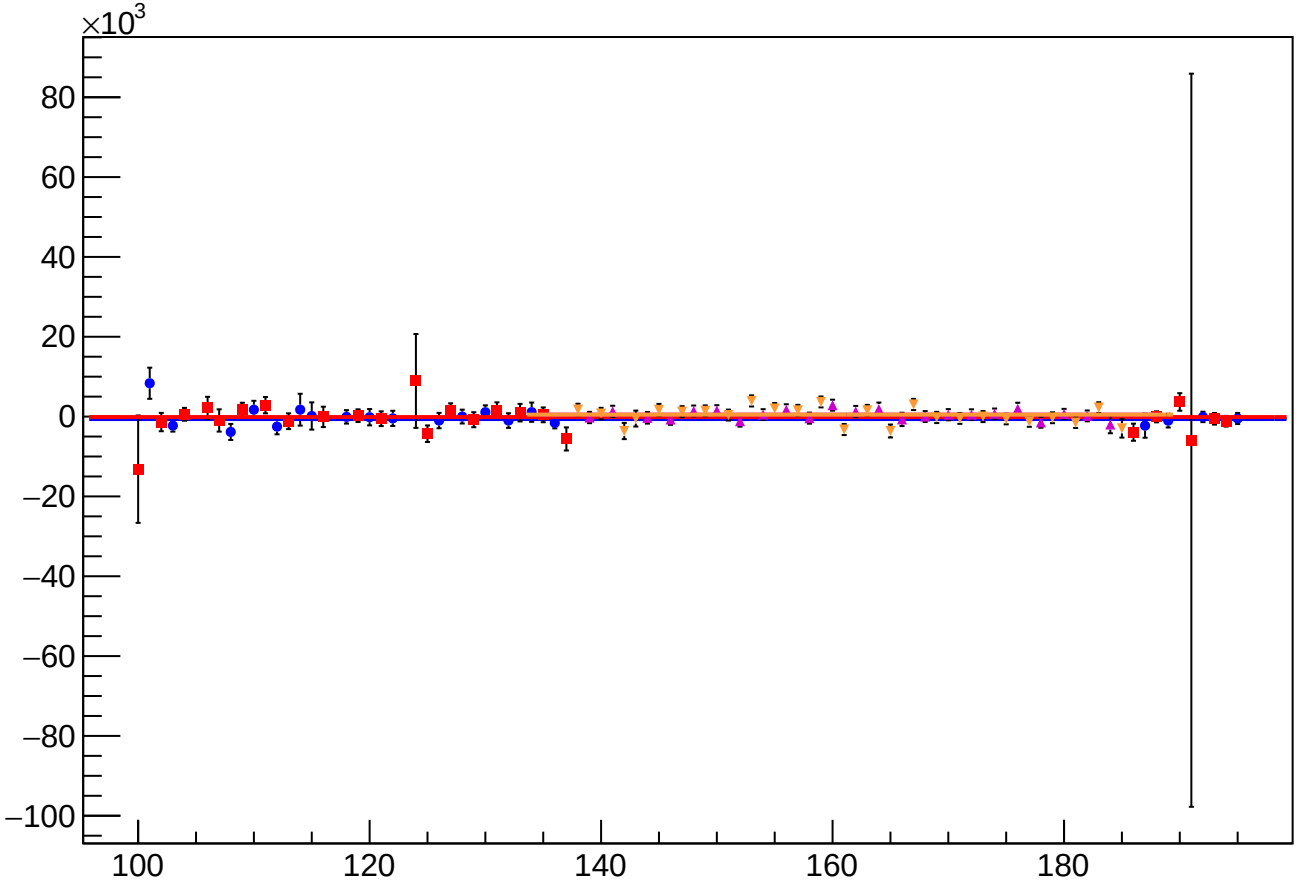
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 27530634.6/44

All: 0.000+/-0.000 χ^2/NDF: 50027013.5/92

\- sign 0.000+/-0.000 χ^2/NDF: 13253781.2/47

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: -122.782+/-402.054 χ^2/NDF: 22.8/24

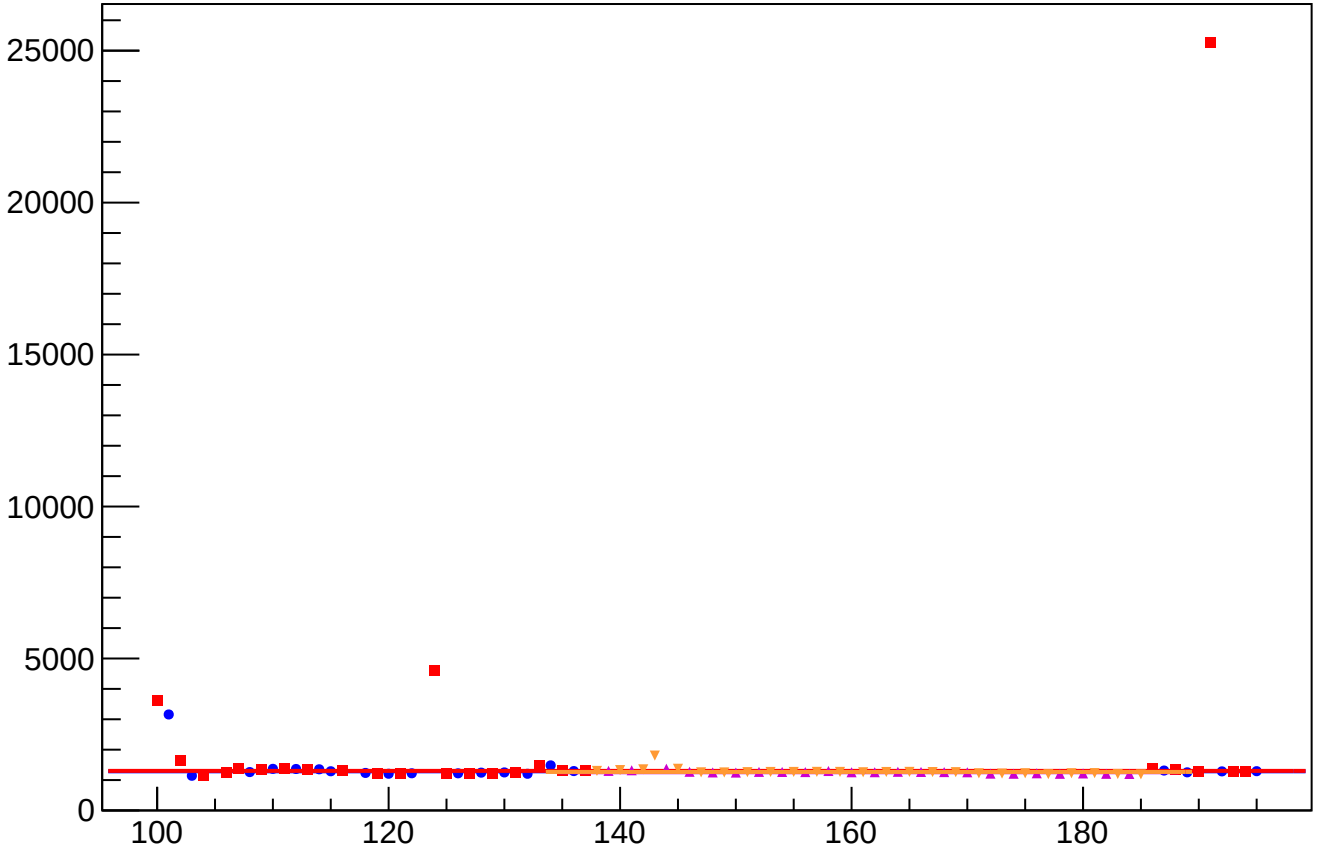
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 204.324+/-167.751 χ^2/NDF: 105.0/92

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47

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

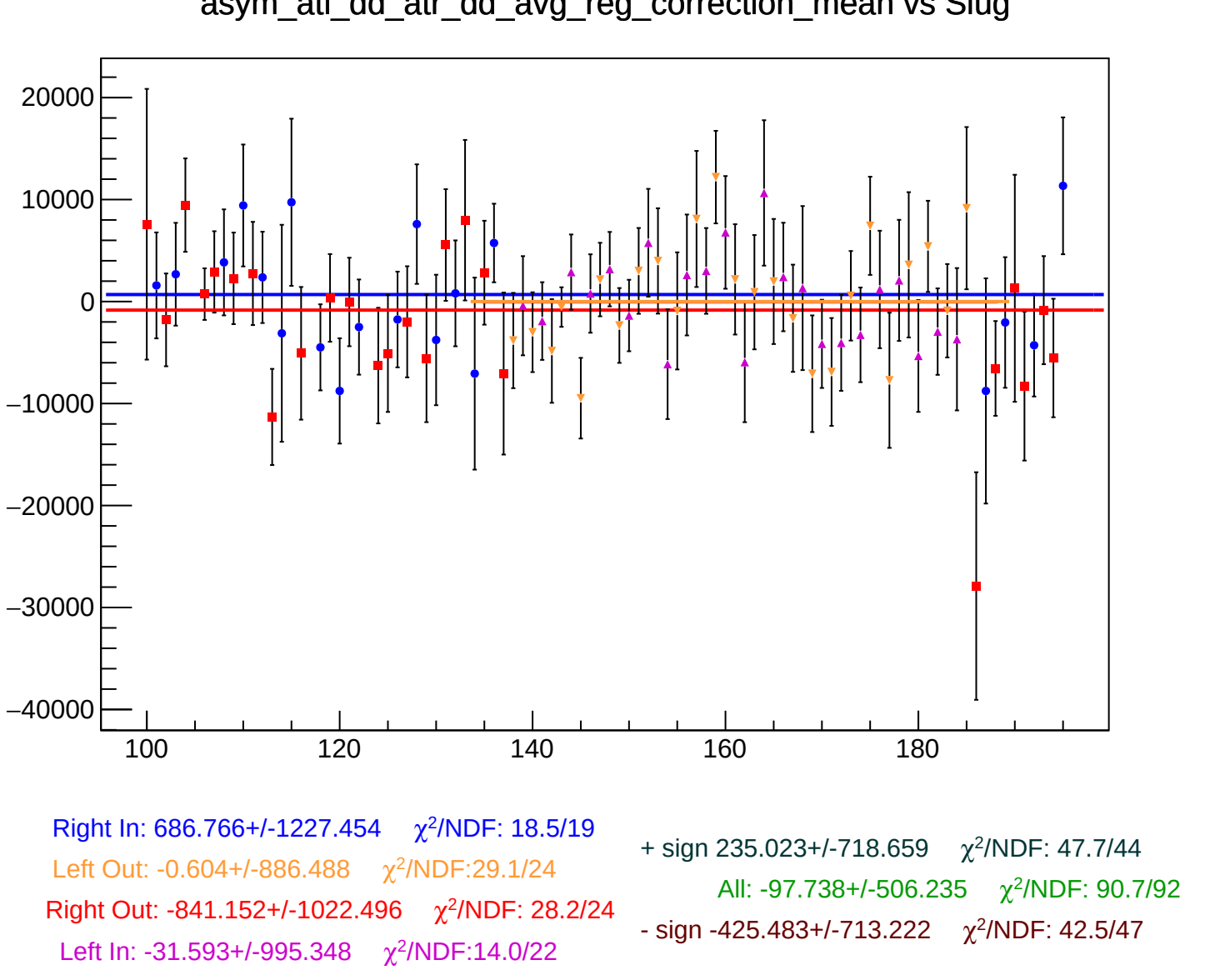
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

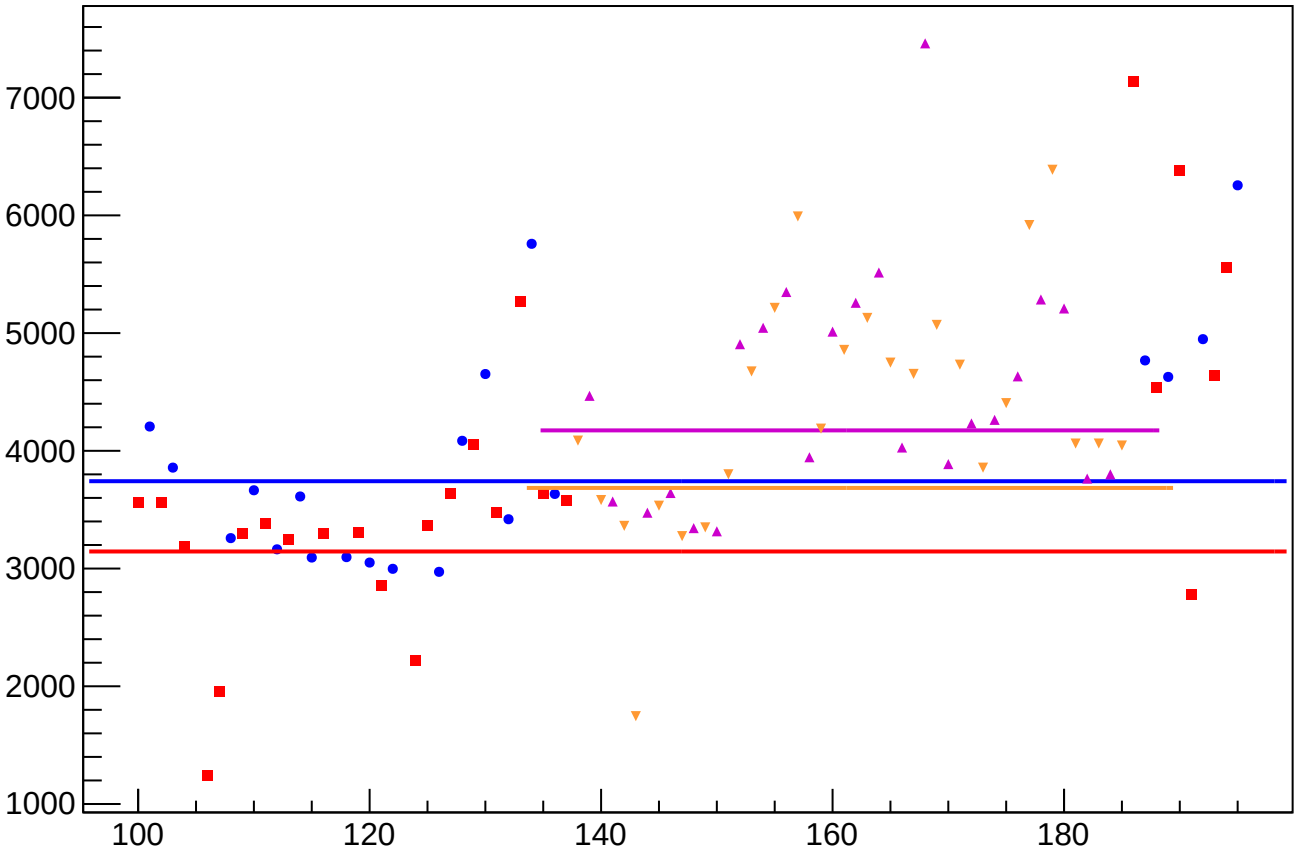
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 686.766+/-1227.454 χ²/NDF: 18.5/19
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: -841.152+/-1022.496 χ²/NDF: 28.2/24
Left In: -31.593+/-995.348 χ²/NDF:14.0/22
+ sign 235.023+/-718.659 χ²/NDF: 47.7/44
All: -97.738+/-506.235 χ²/NDF: 90.7/92
- sign -425.483+/-713.222 χ²/NDF: 42.5/47



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: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

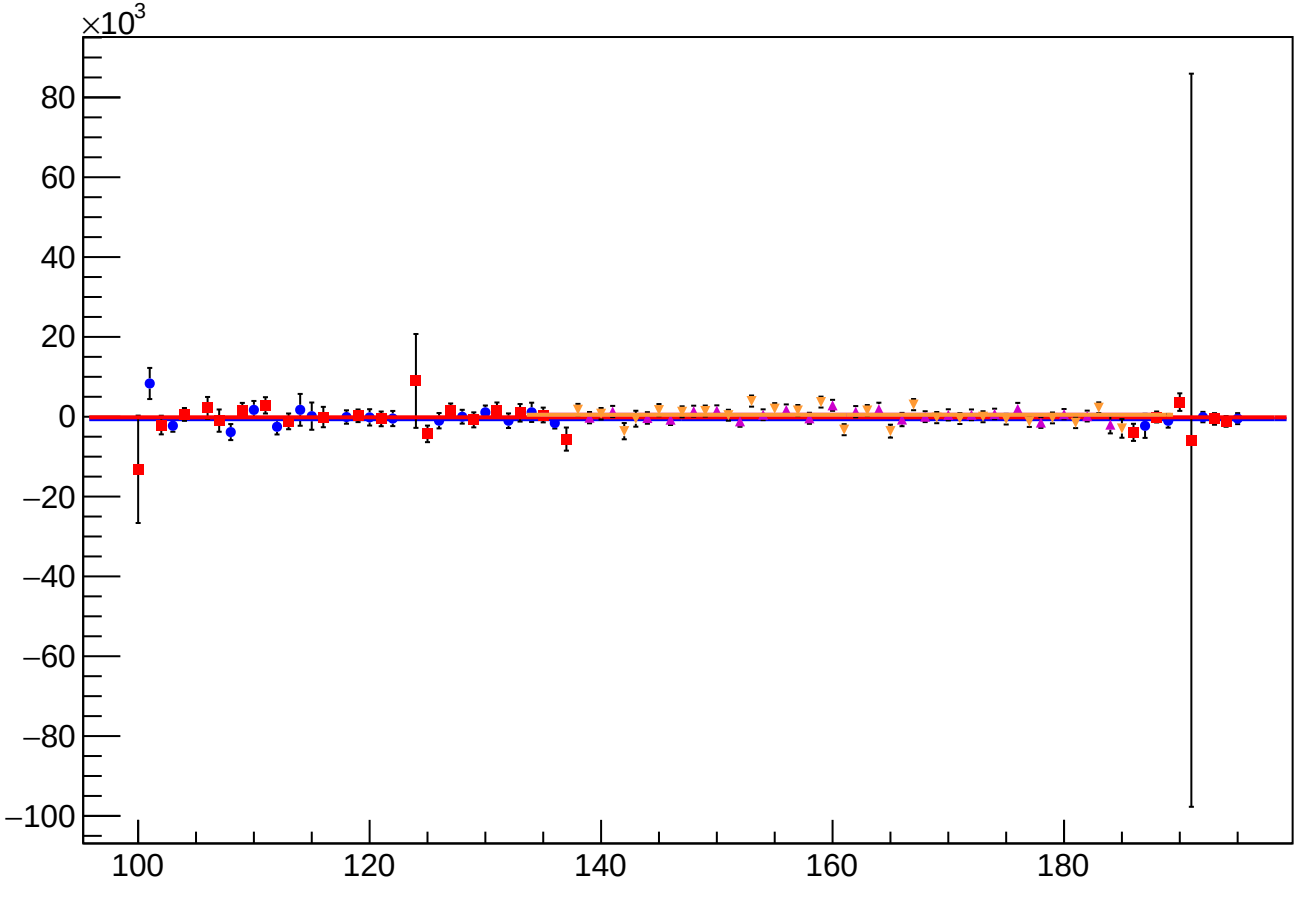
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47

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: -142.652+/-402.235 χ^2/NDF: 23.2/24

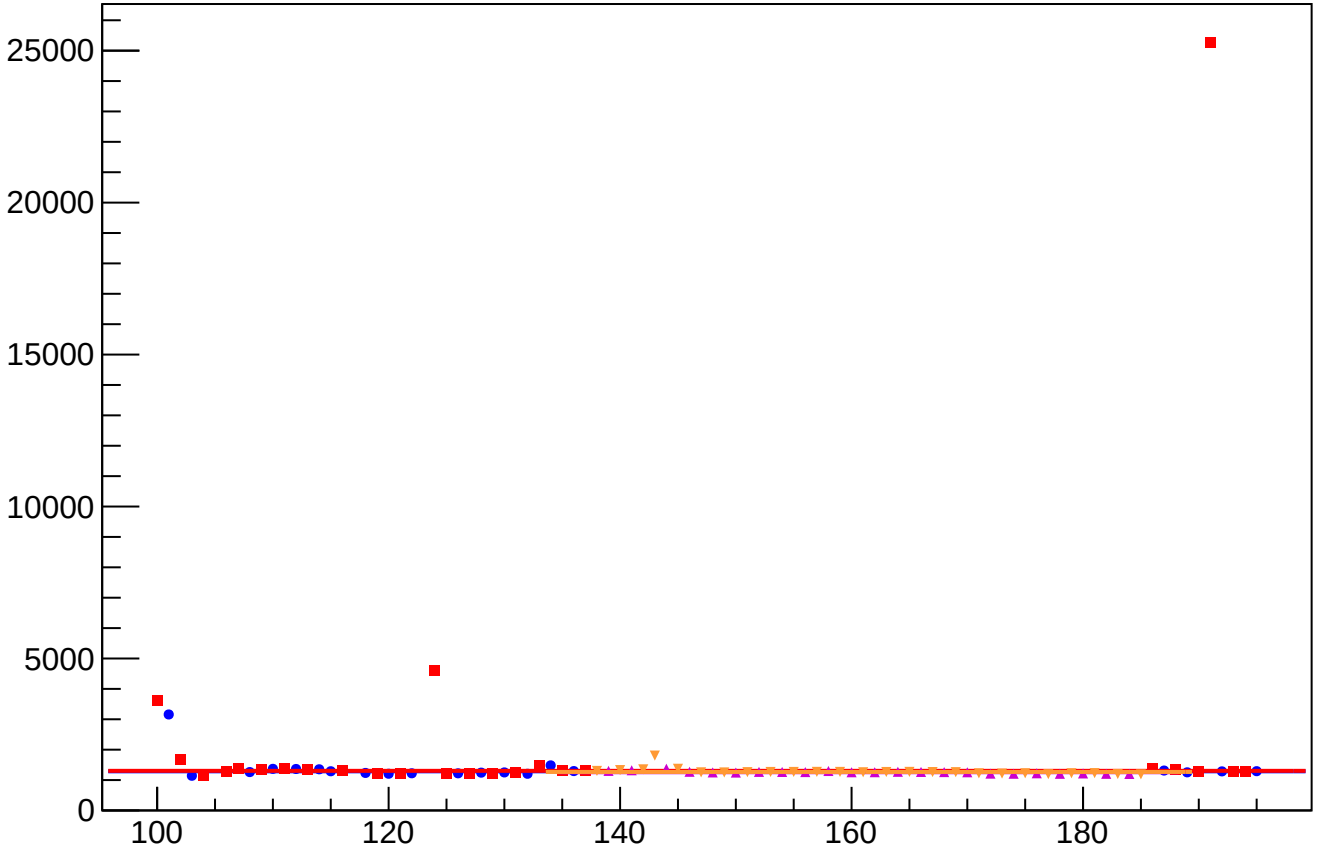
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

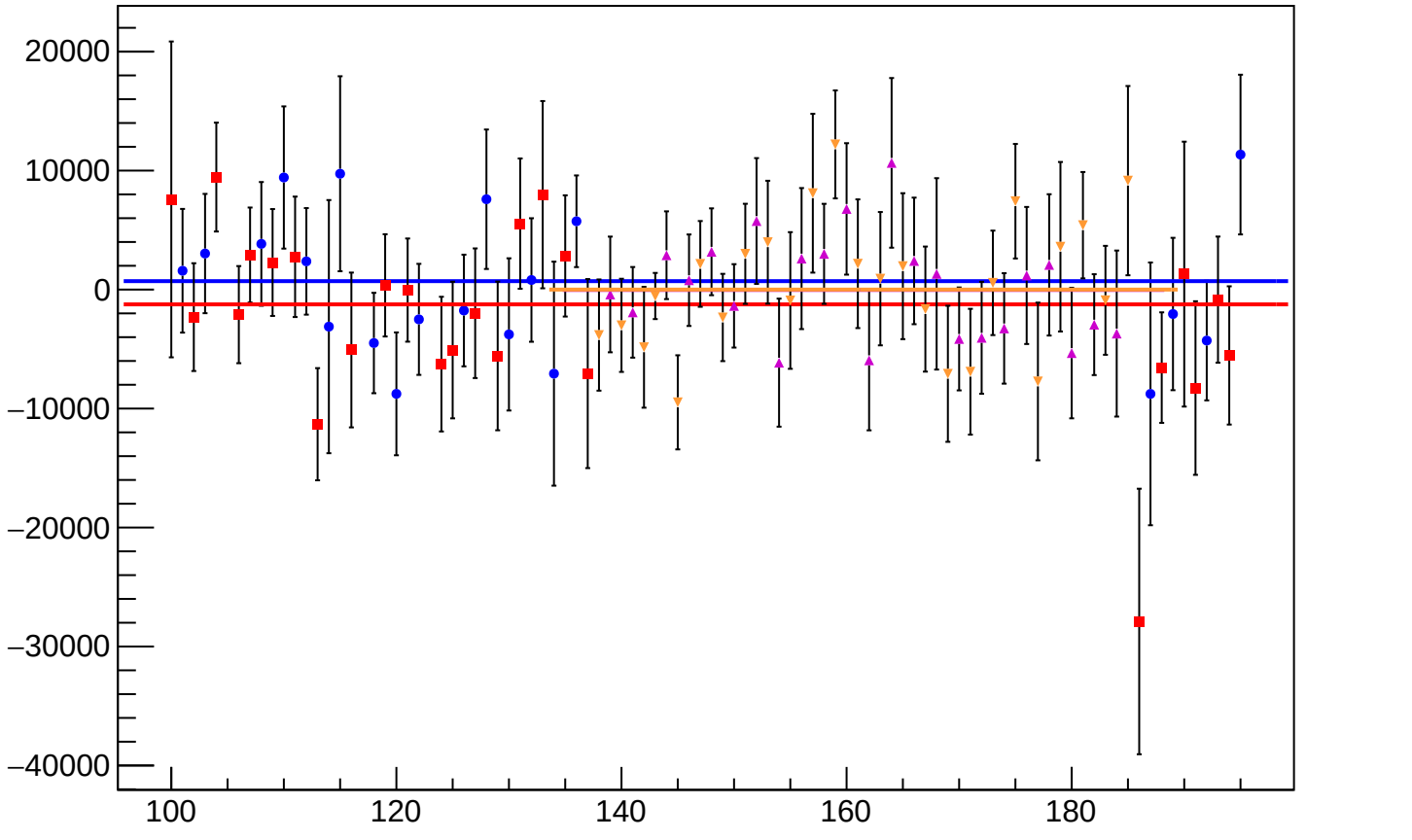
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

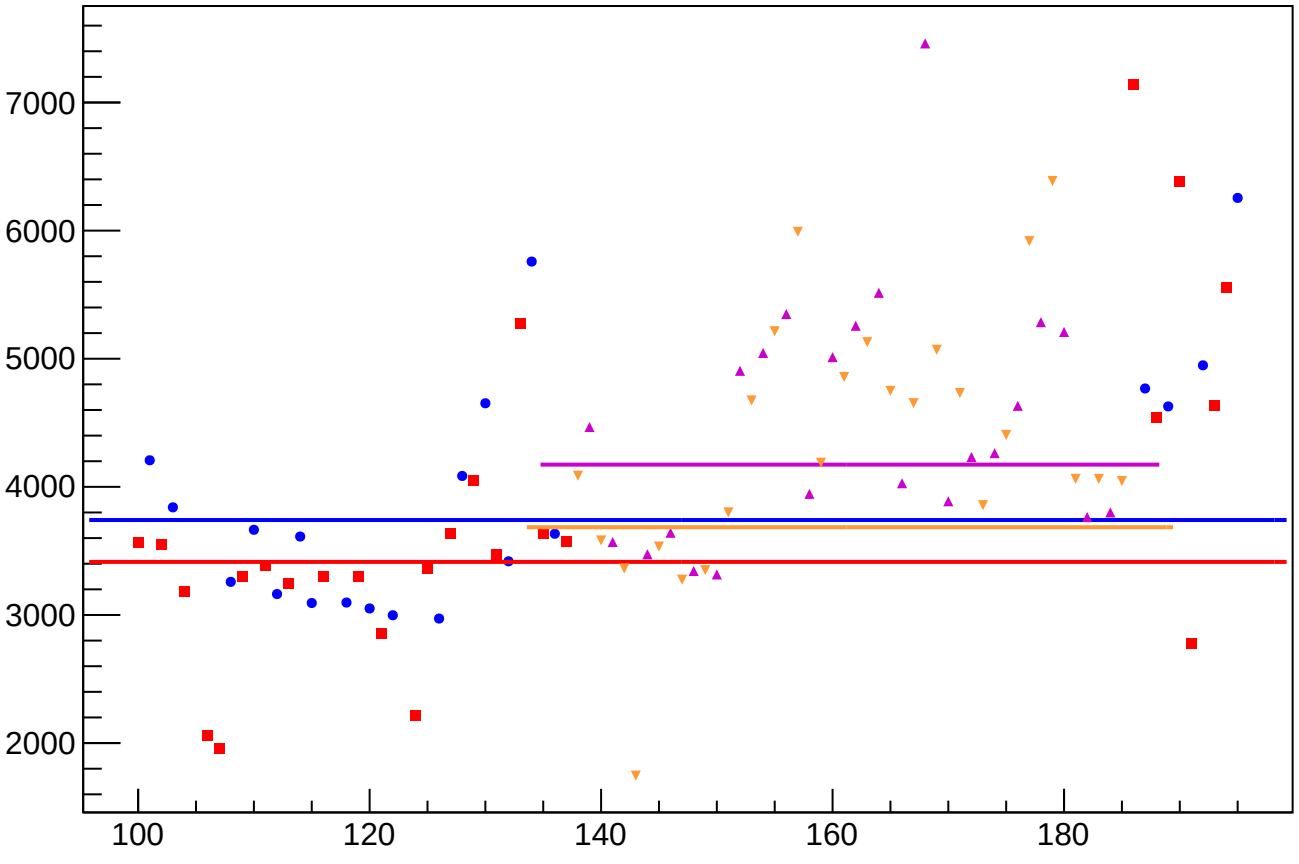
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -165.916+/-512.533 χ^2/NDF: 91.0/92

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



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: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

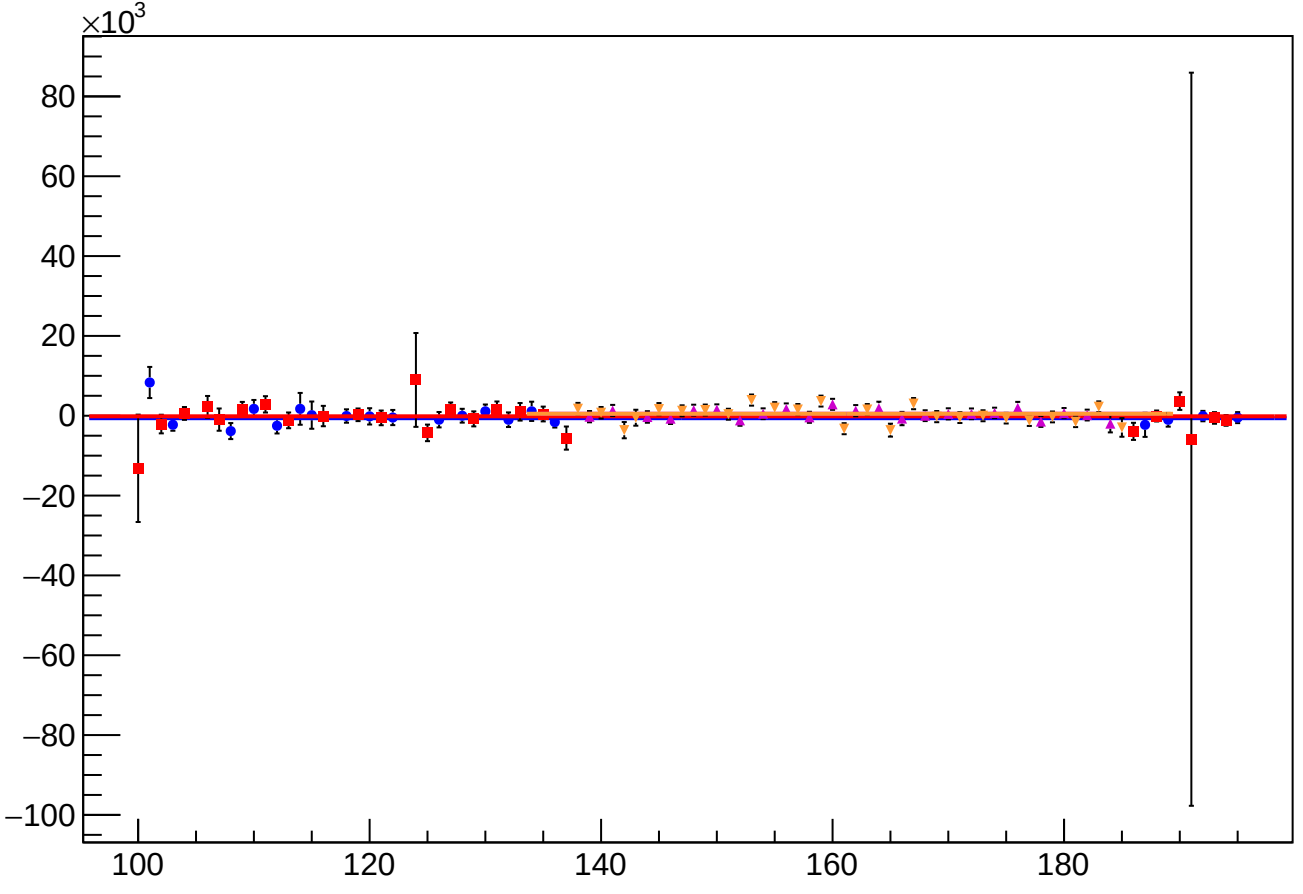
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47

eigen_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: -142.652+/-402.235 χ^2/NDF: 23.2/24

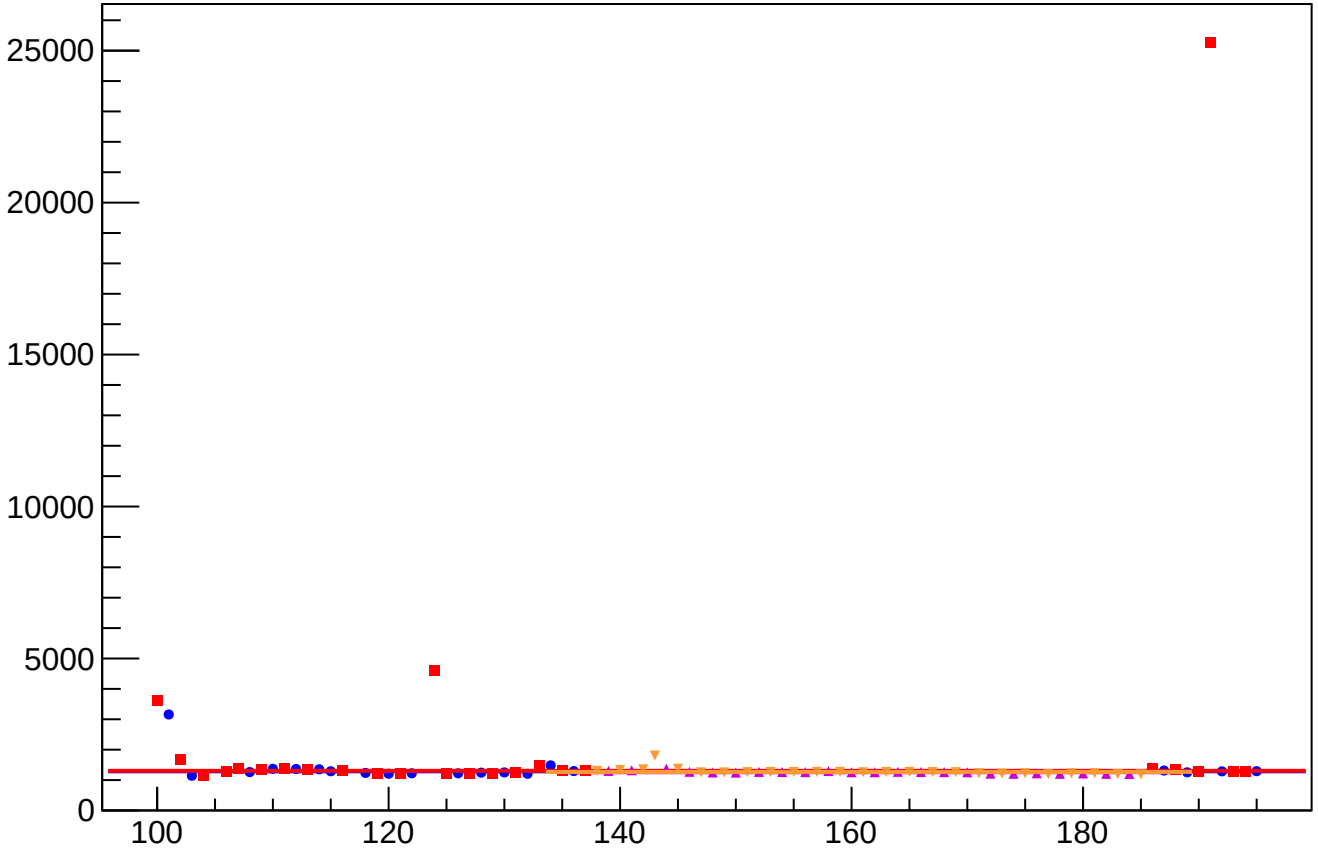
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

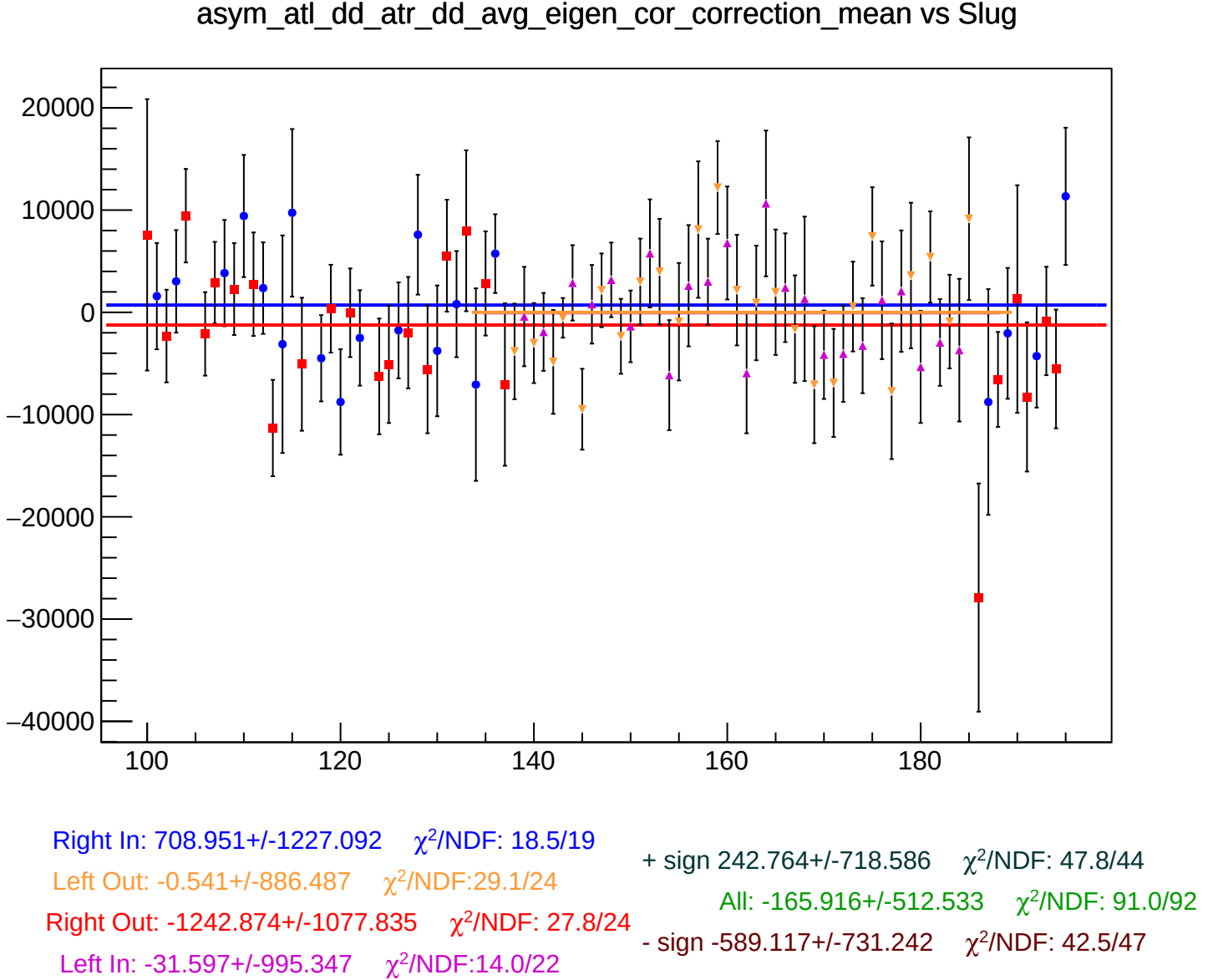
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

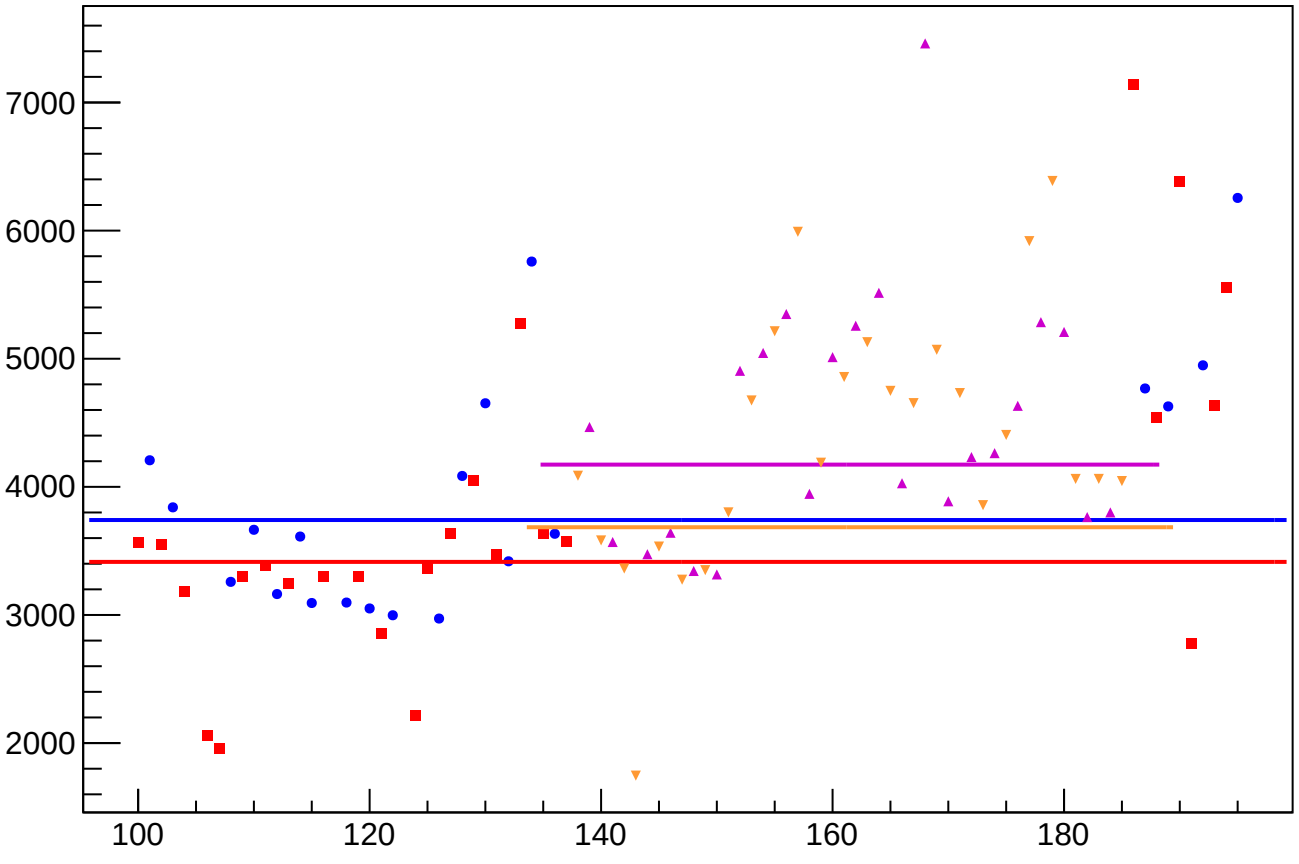
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 708.951+/-1227.092 χ²/NDF: 18.5/19
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1242.874+/-1077.835 χ²/NDF: 27.8/24
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 242.764+/-718.586 χ²/NDF: 47.8/44
All: -165.916+/-512.533 χ²/NDF: 91.0/92
- sign -589.117+/-731.242 χ²/NDF: 42.5/47



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

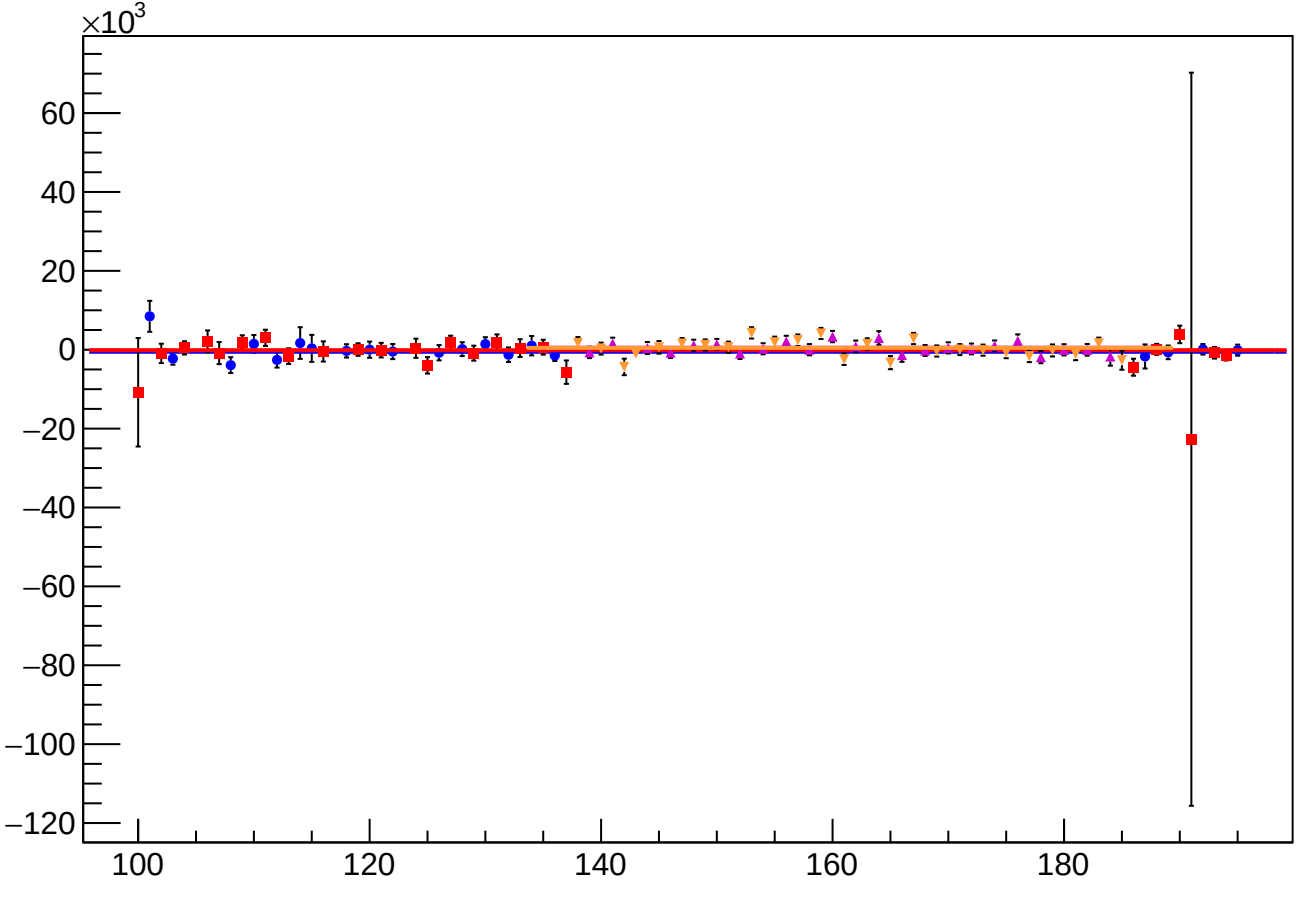
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



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: -122.732+/-402.102 χ^2/NDF: 23.5/24

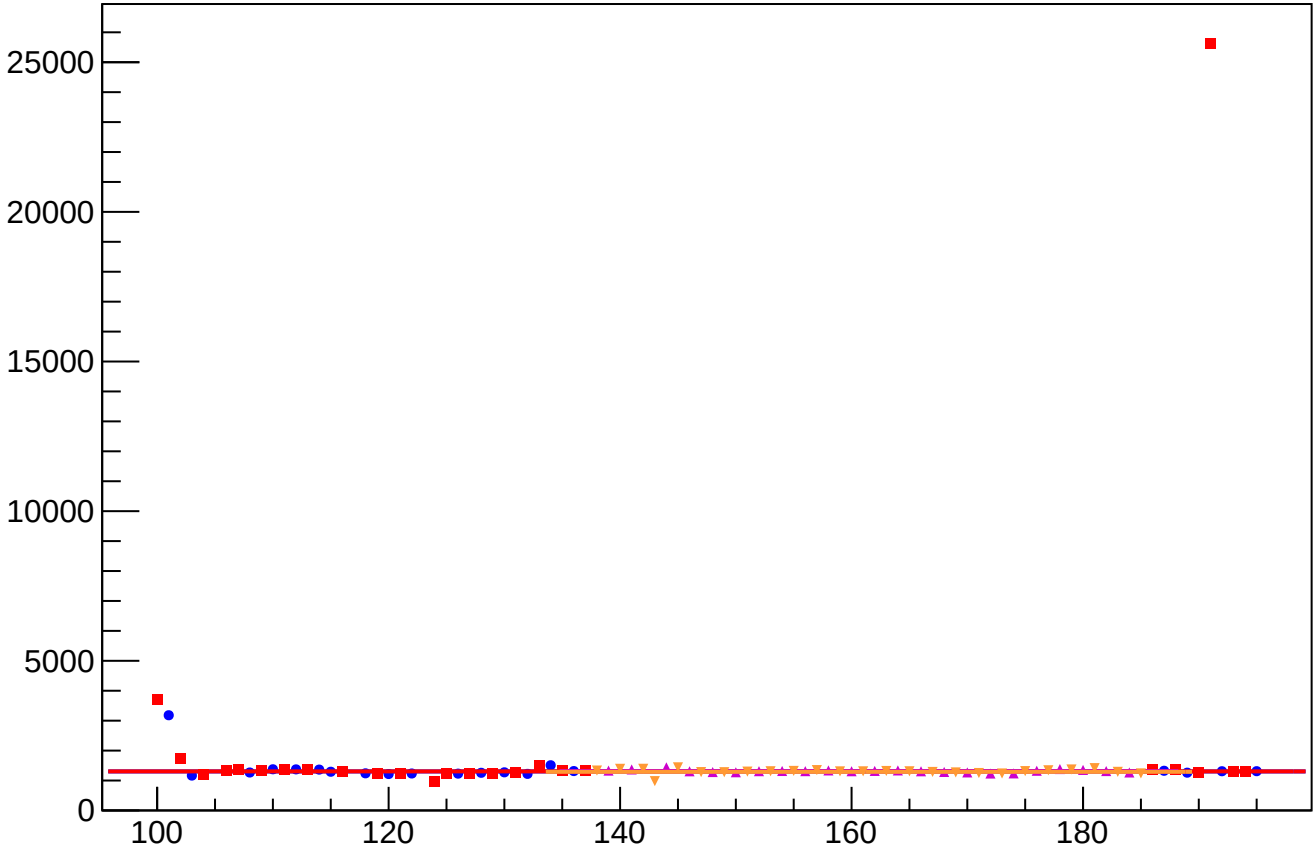
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 208.985+/-171.624 χ^2/NDF: 104.9/92

- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

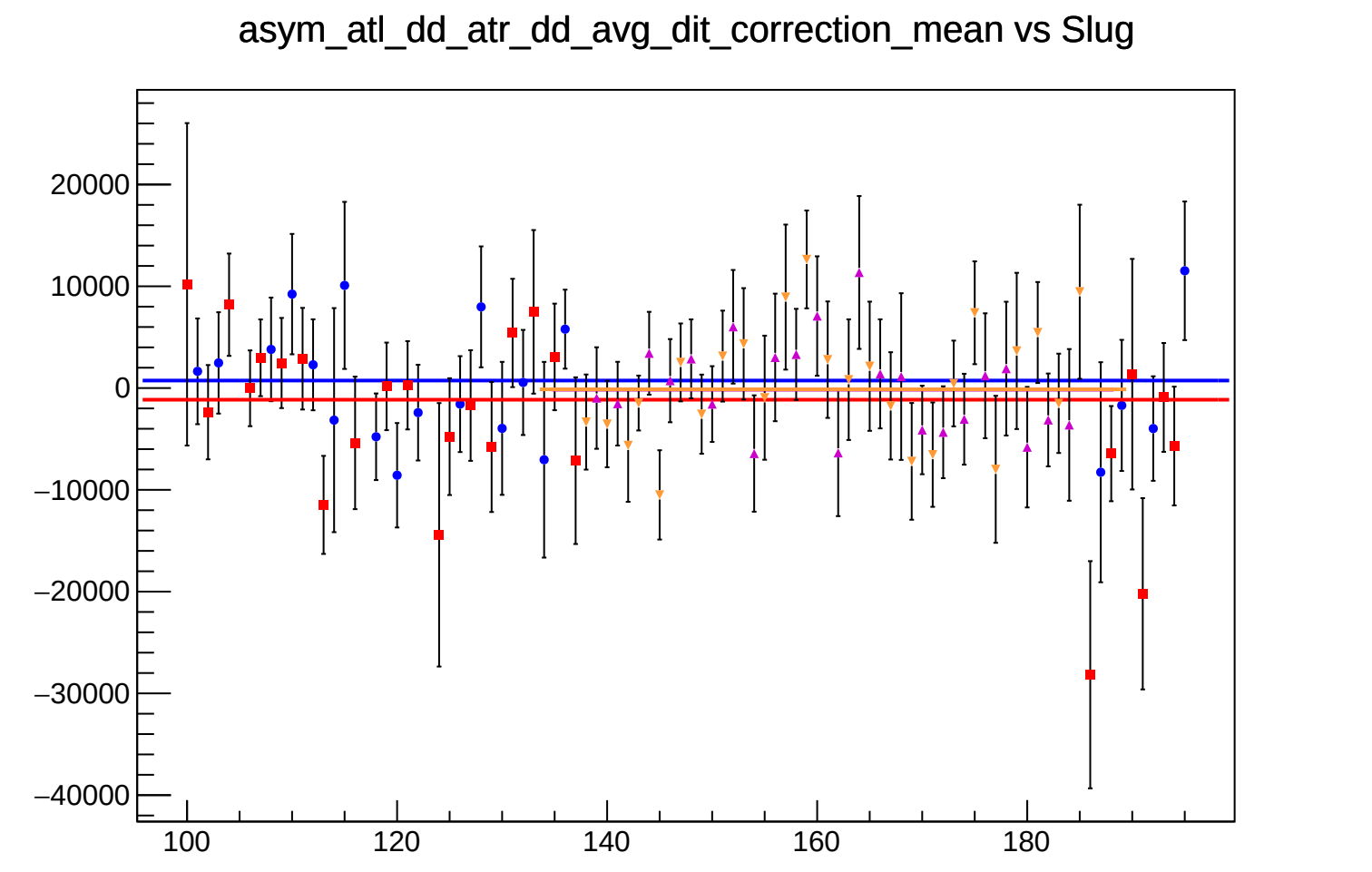
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



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: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

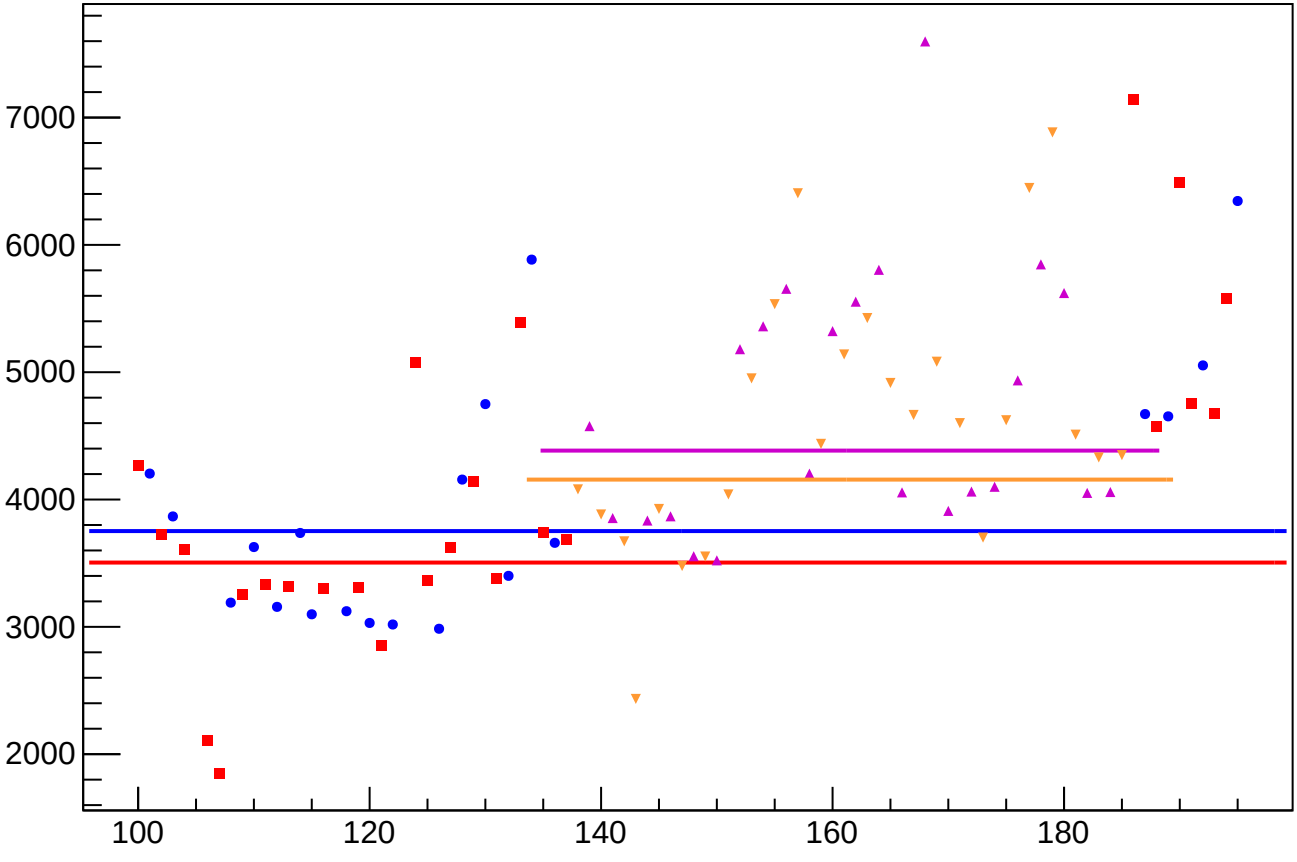
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -215.571+/-538.125 χ^2/NDF: 91.6/92

- sign -629.033+/-756.688 χ^2/NDF: 43.8/47

asym_atl_dd_atr_dd_avg_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

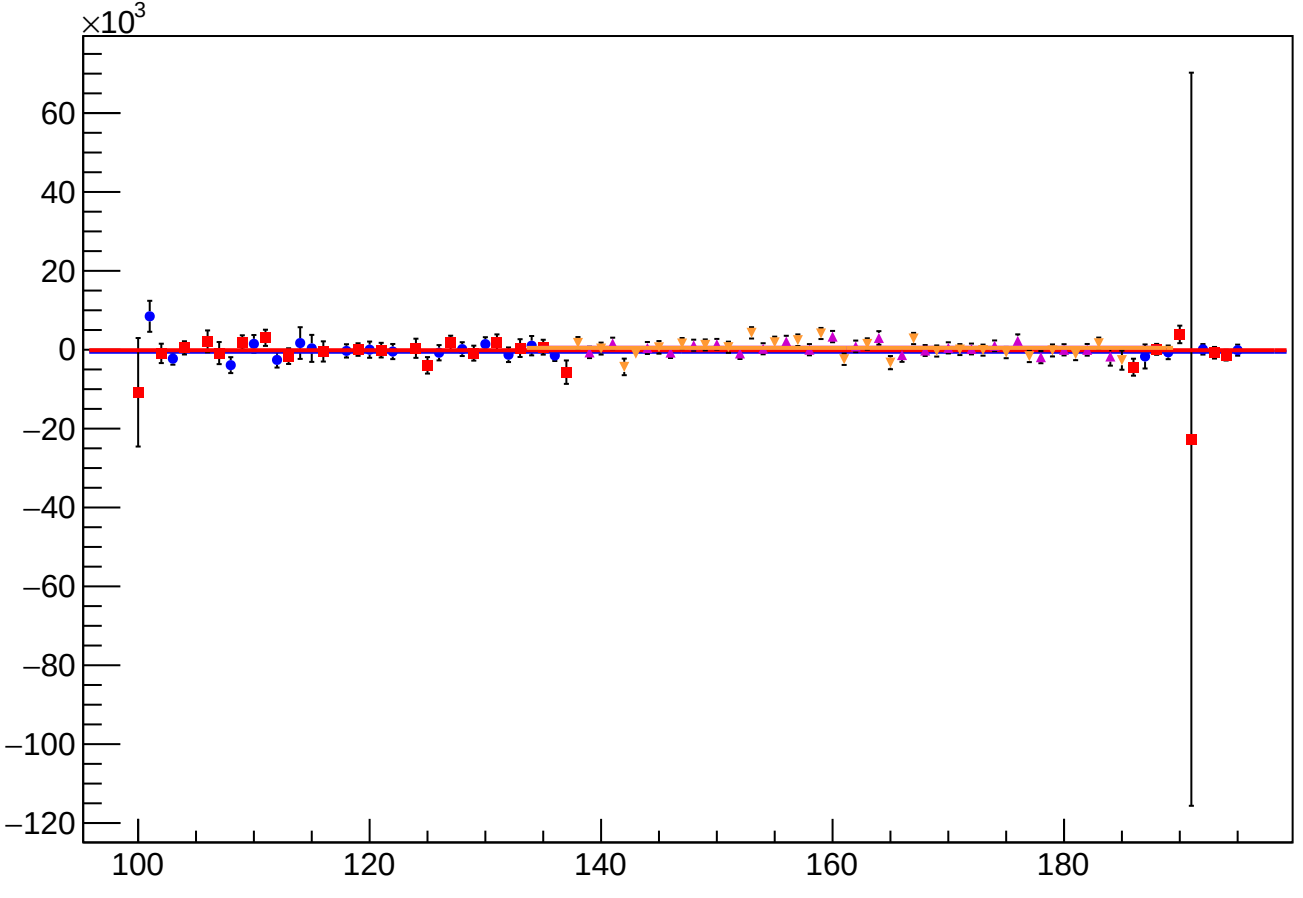
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



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: -122.727+/-402.102 χ^2/NDF: 23.5/24

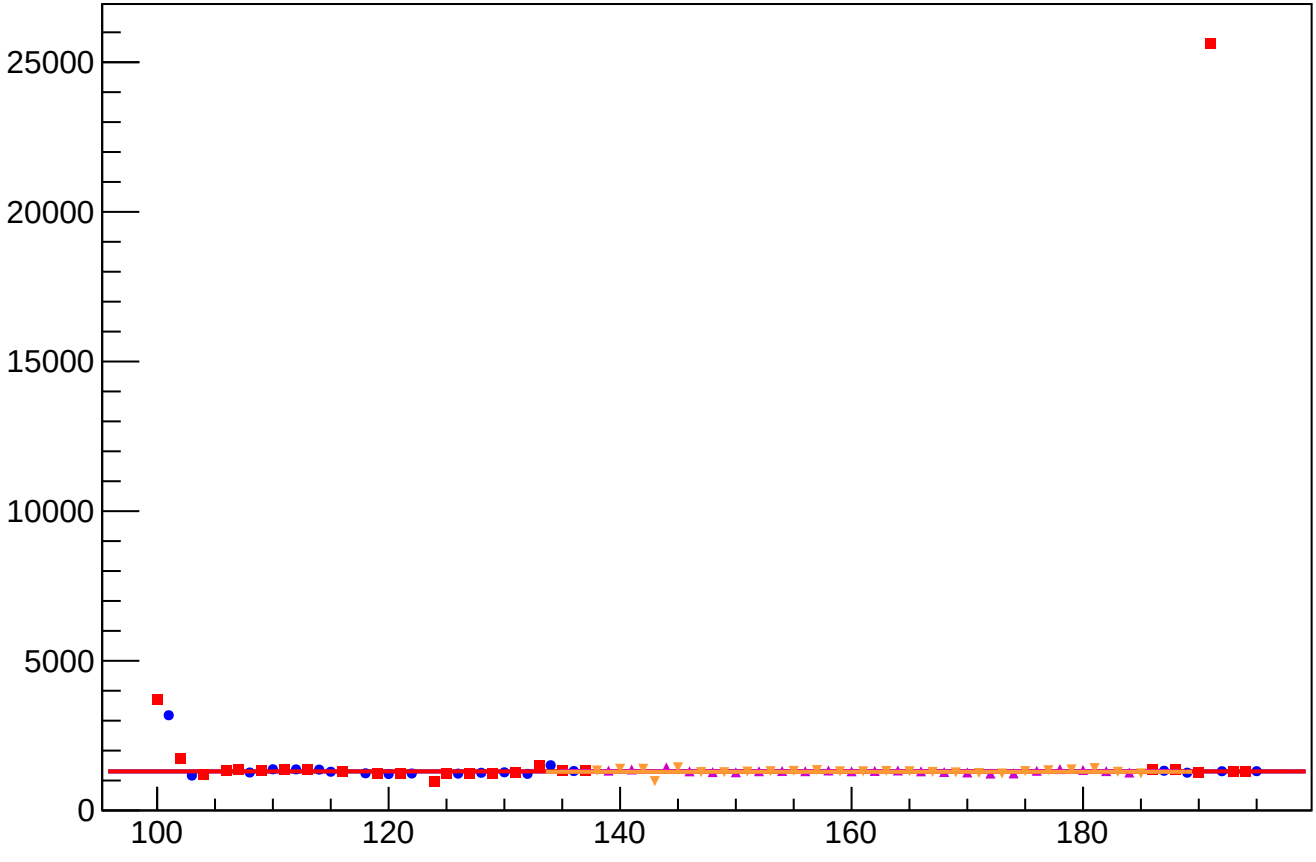
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 208.987+/-171.624 χ^2/NDF: 104.9/92

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47

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

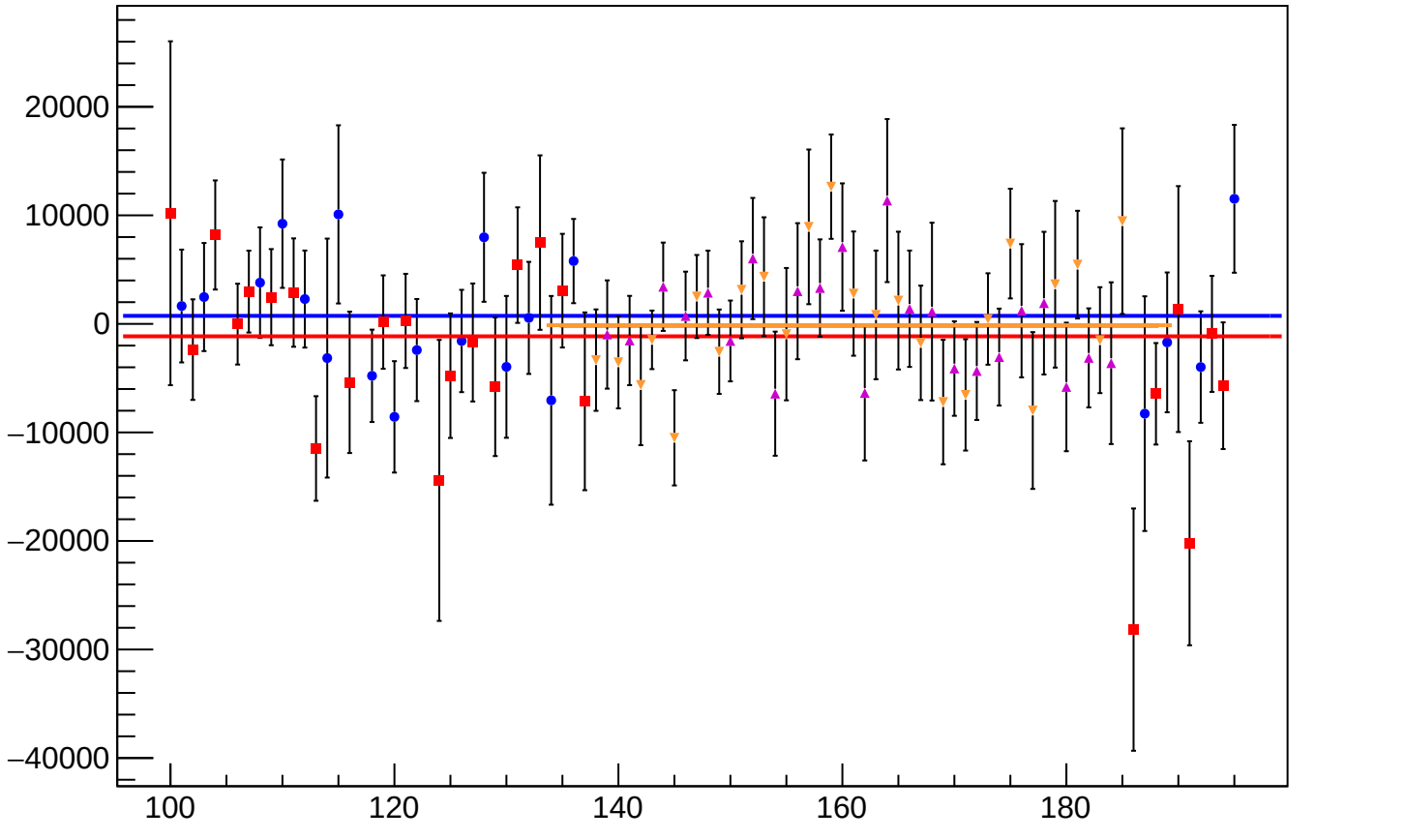
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

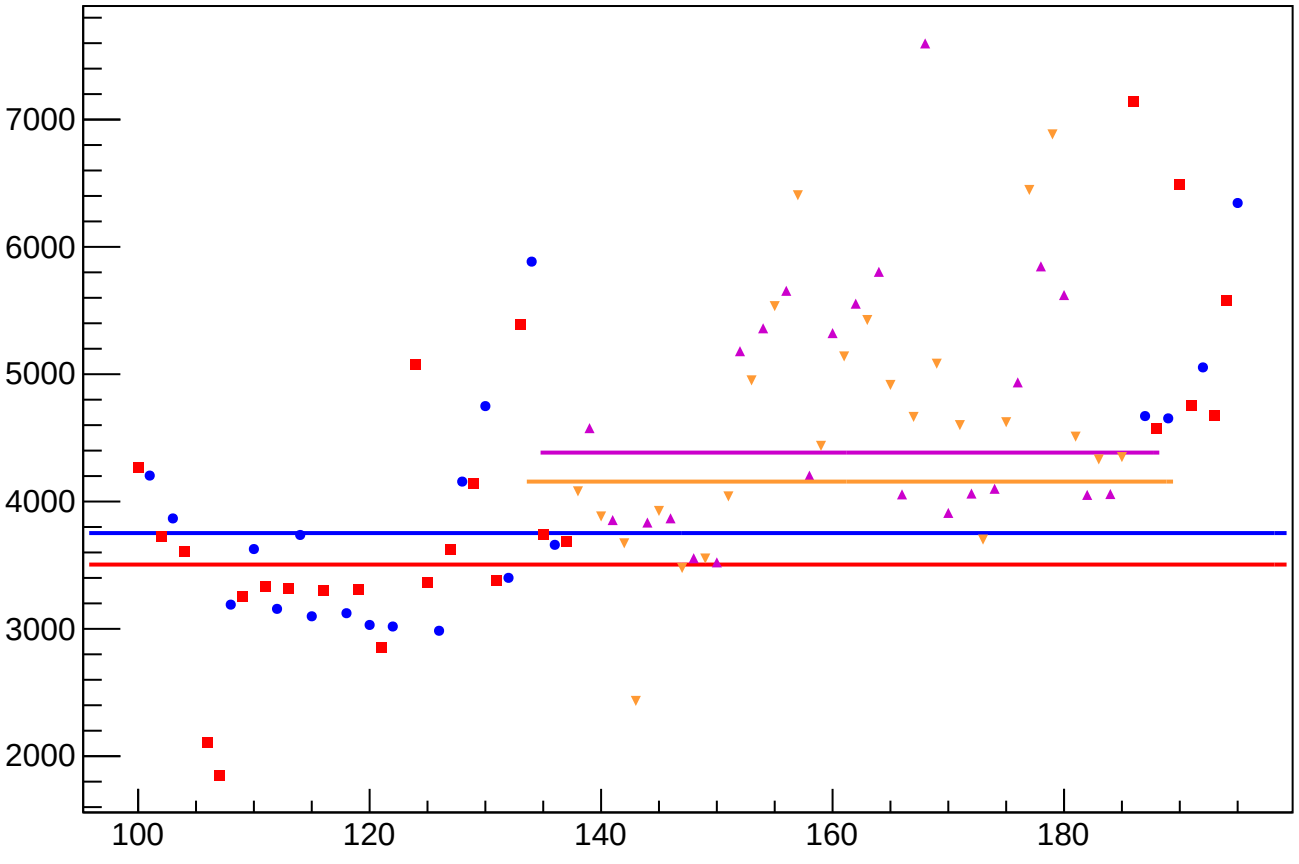
Right Out: -1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 207.502+/-765.434 χ^2/NDF: 47.2/44

All: -215.571+/-538.125 χ^2/NDF: 91.6/92

- sign -629.031+/-756.688 χ^2/NDF: 43.8/47



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: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

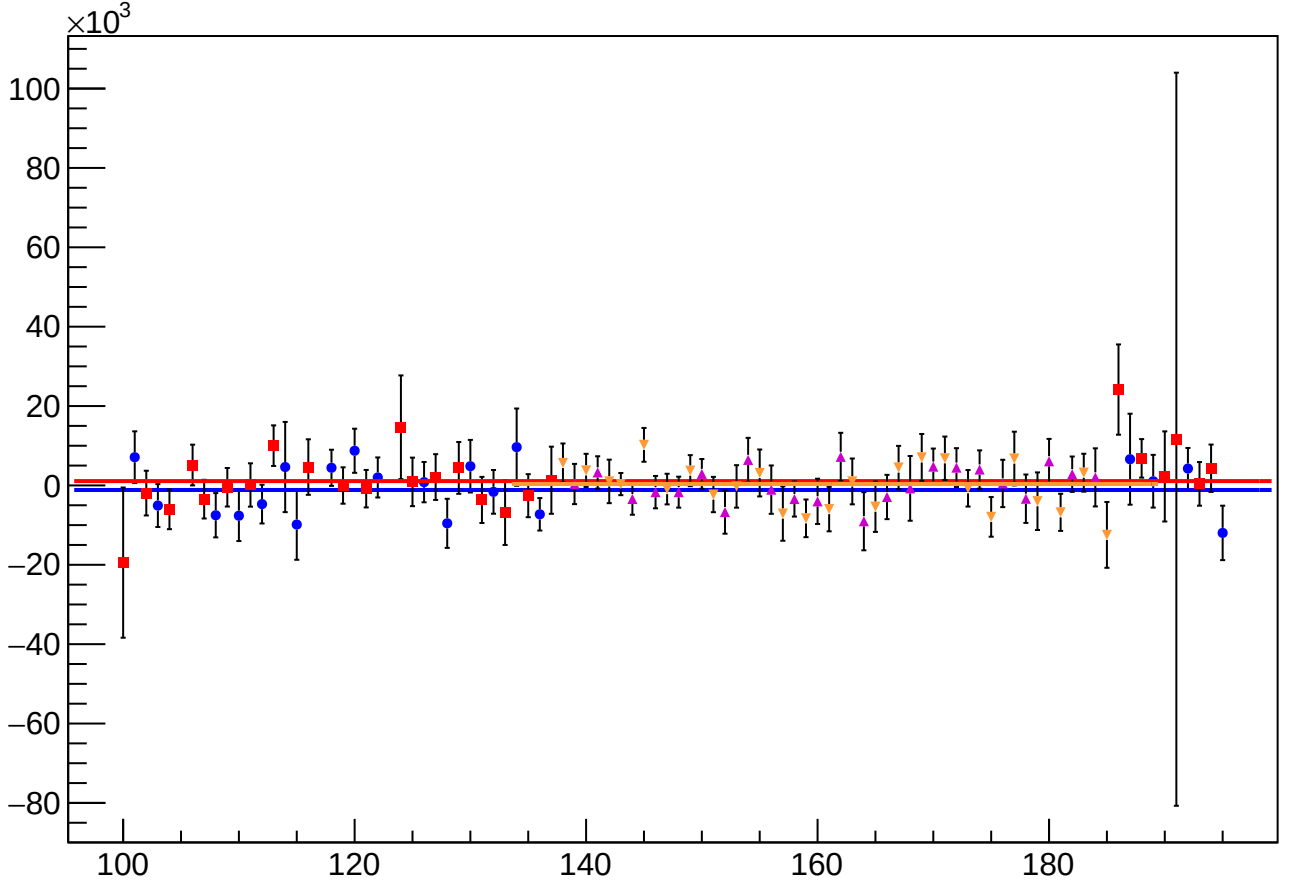
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92

- sign 3965.580+/-0.535 χ^2/NDF: 3676136.5/47

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: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

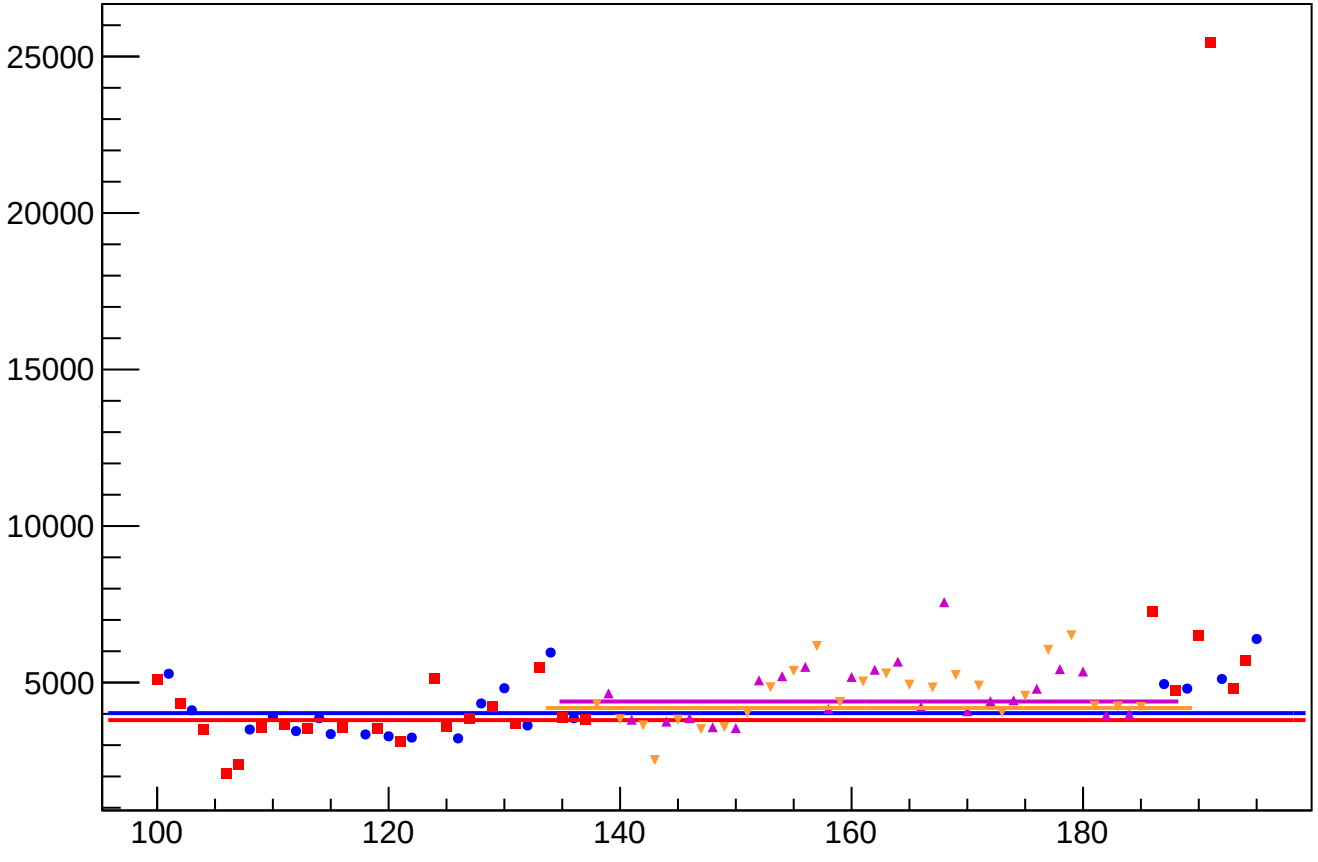
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 284.393+/-557.828 χ^2/NDF: 82.9/92

\- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

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

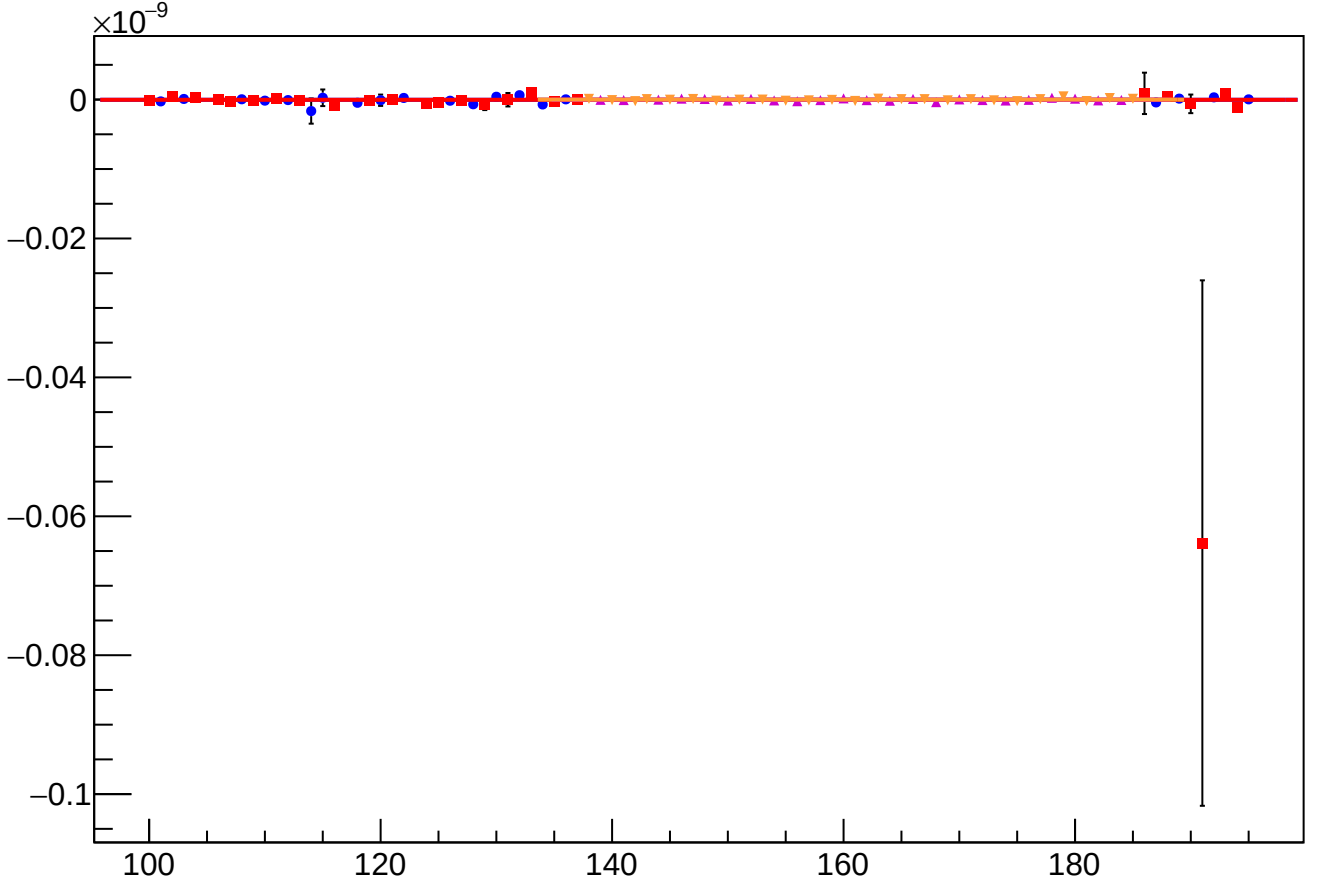
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4133.455+/-0.393 χ^2/NDF: 5451162.6/92

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

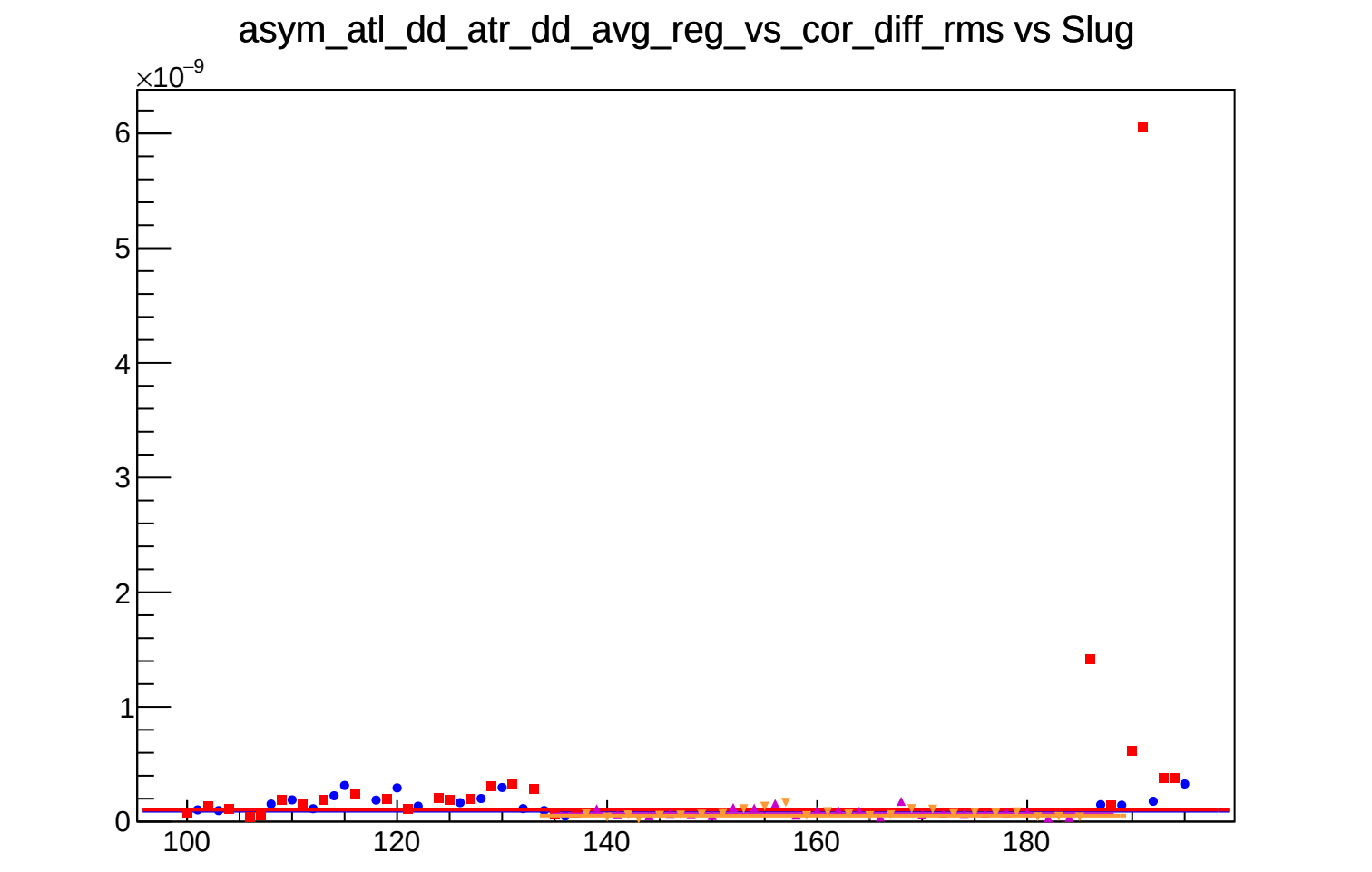
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

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: 91.8/92

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1819721.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

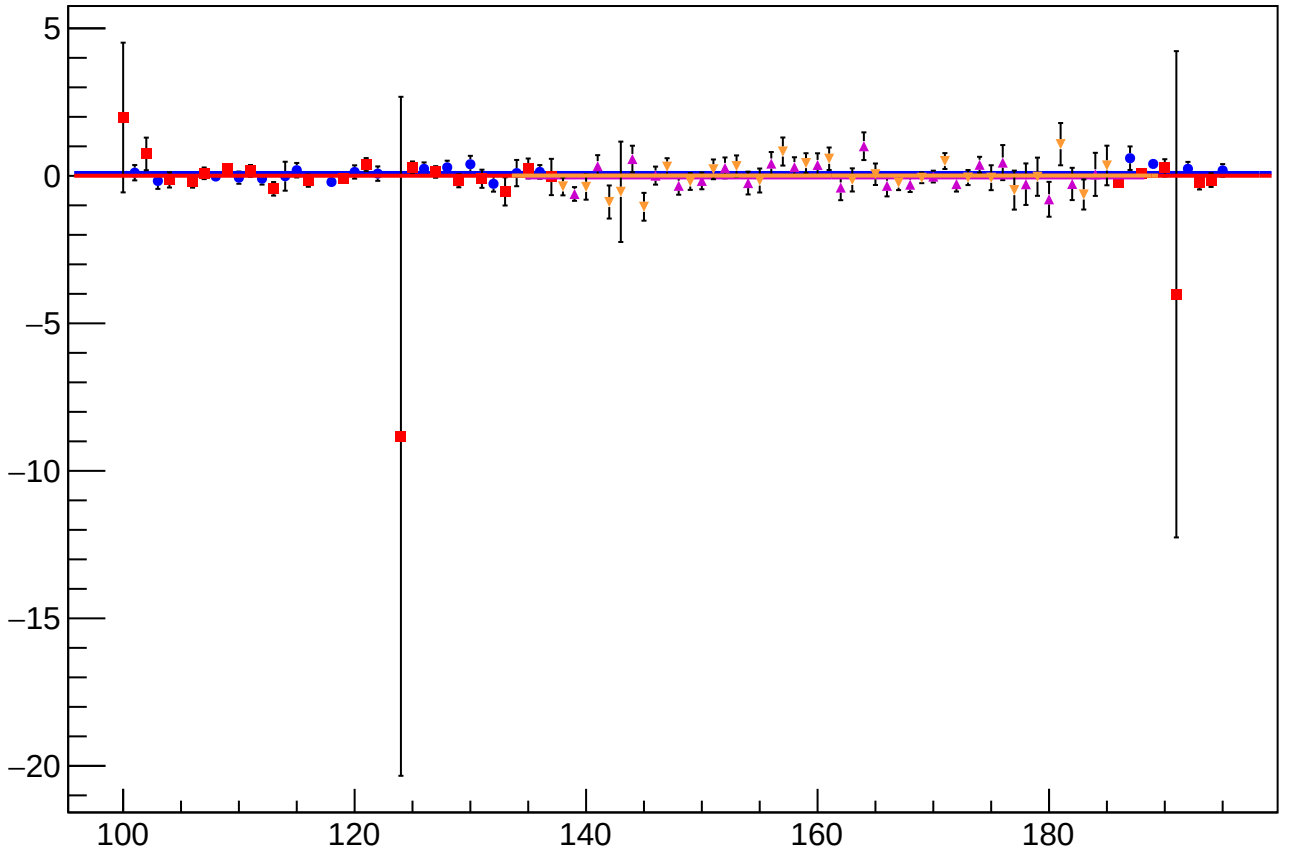
Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

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: 11361907.2/92

- sign 0.000+/-0.000 χ^2/NDF: 5734792.1/47



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: 0.003+/-0.043 χ^2/NDF: 27.5/24

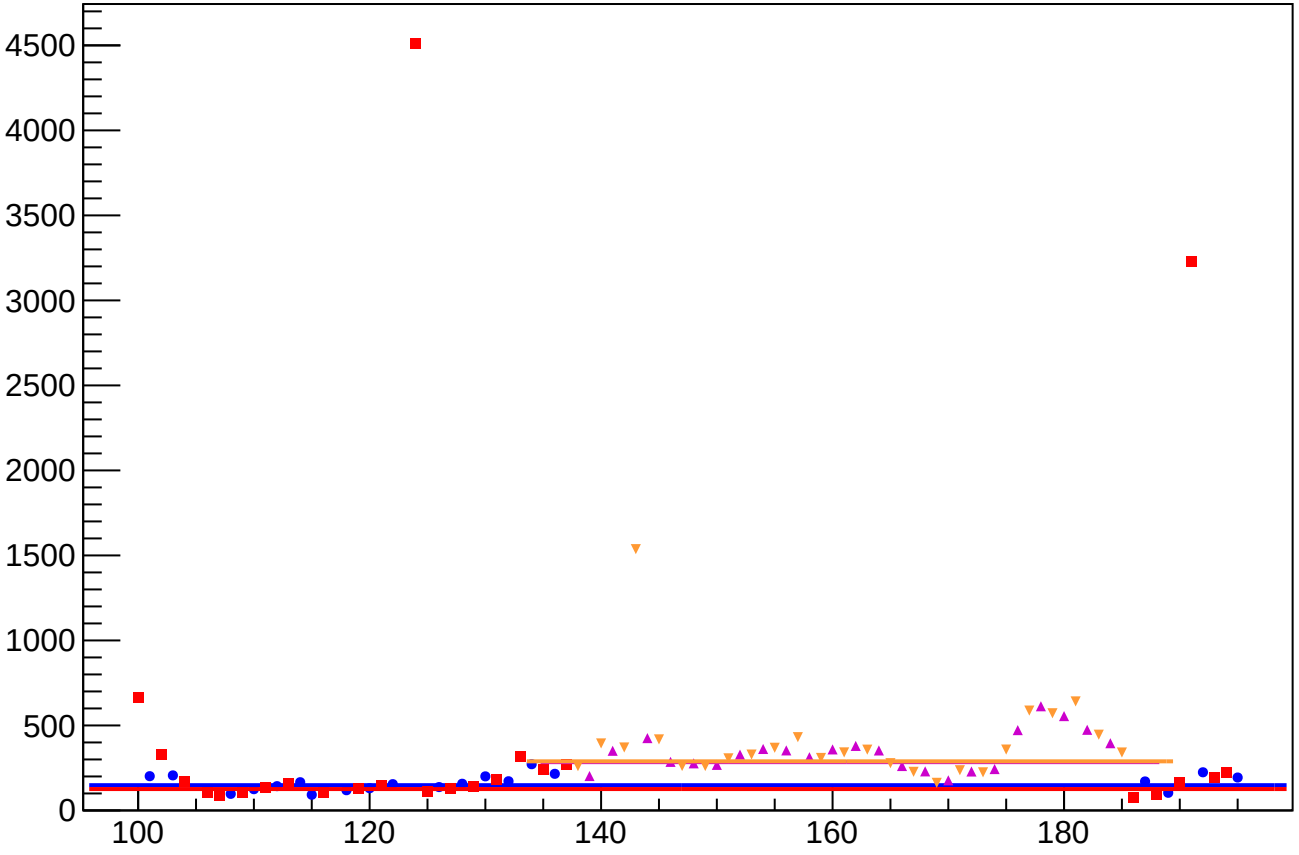
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

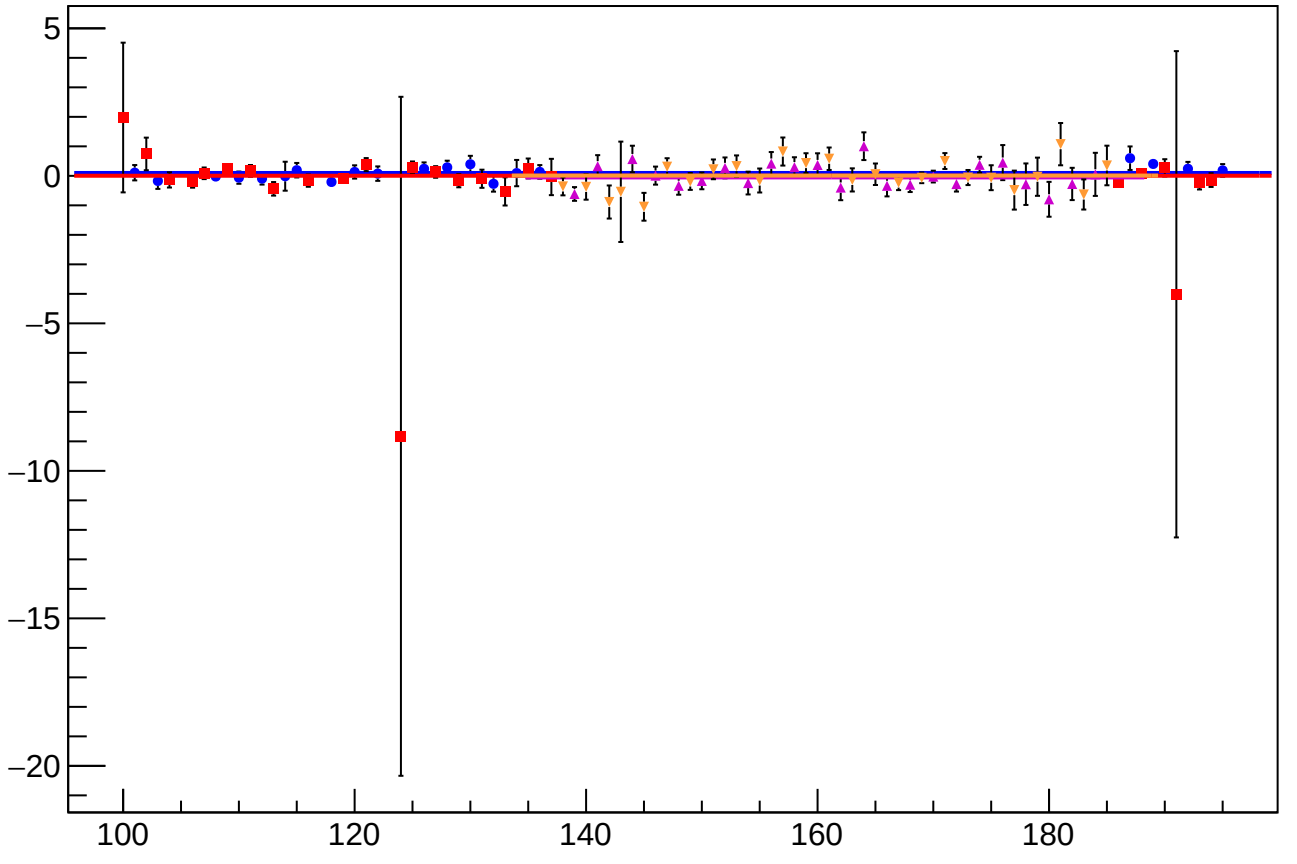
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



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: 0.003+/-0.043 χ^2/NDF: 27.5/24

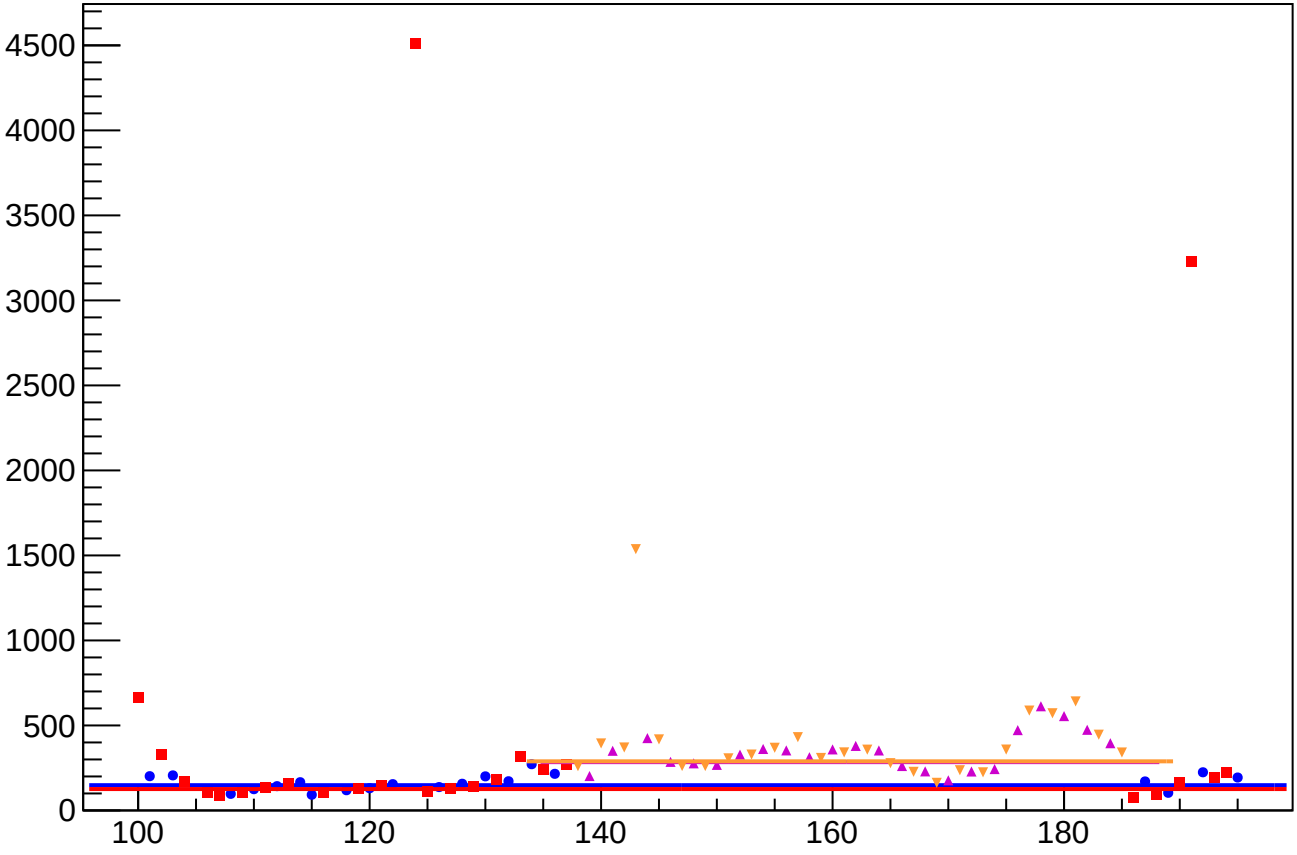
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

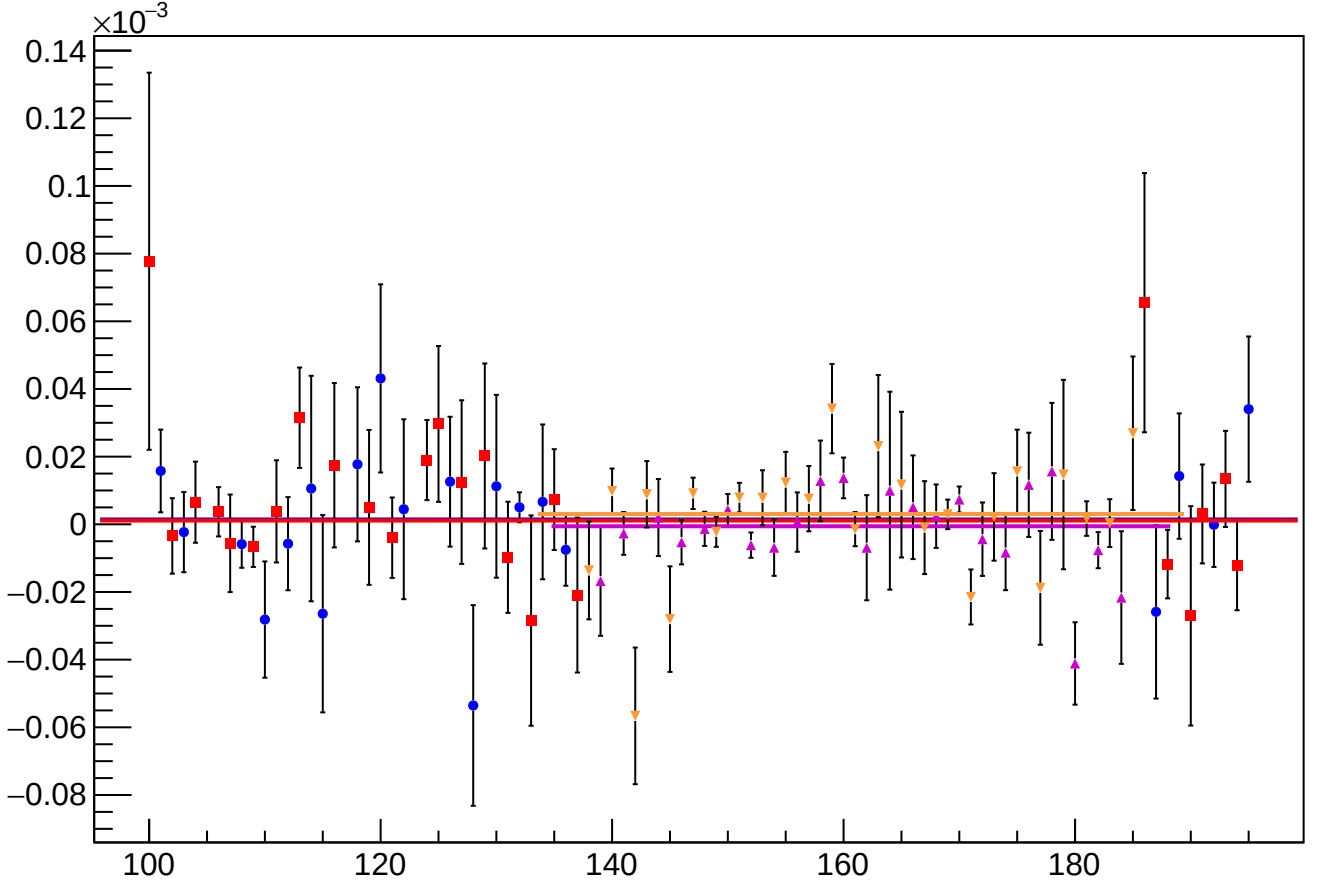
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

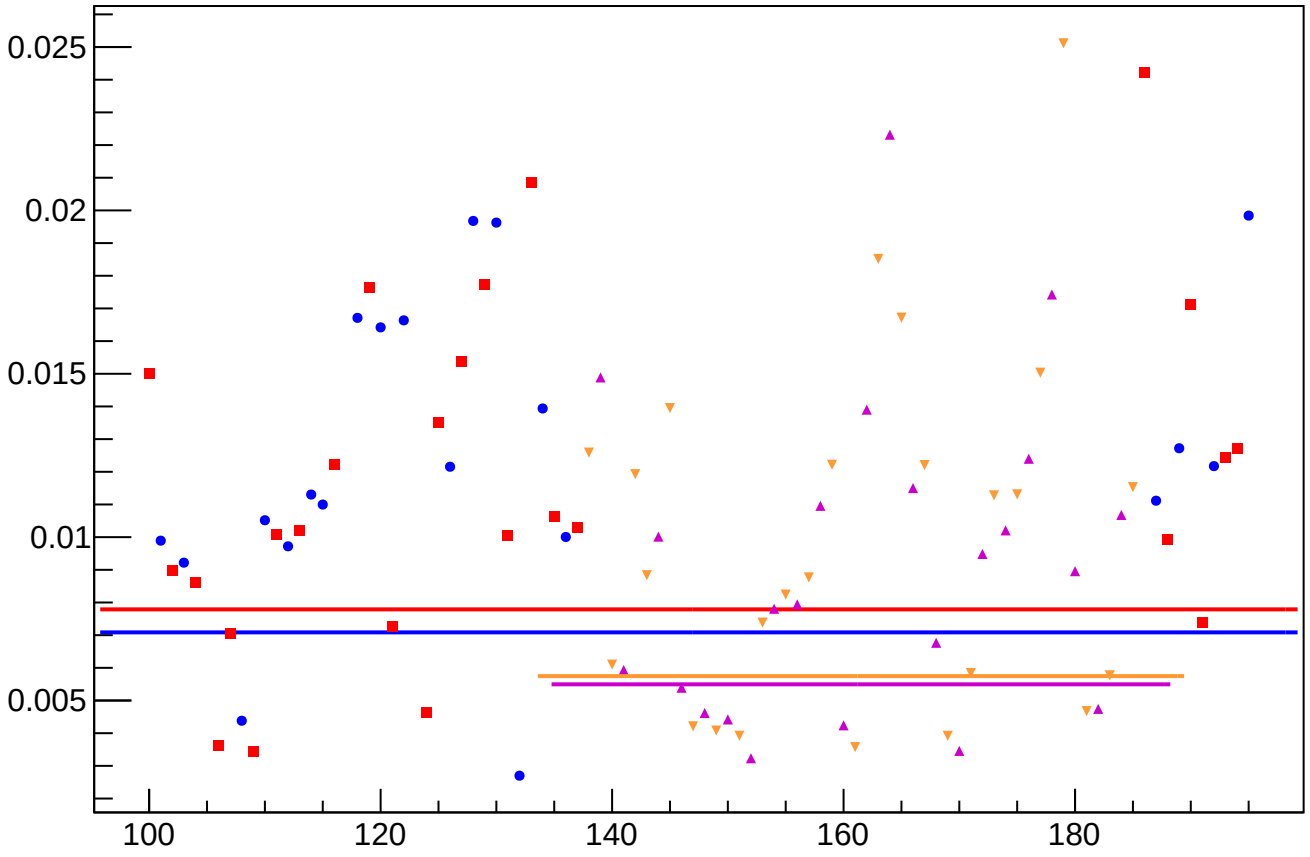
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

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: 120.2/92

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

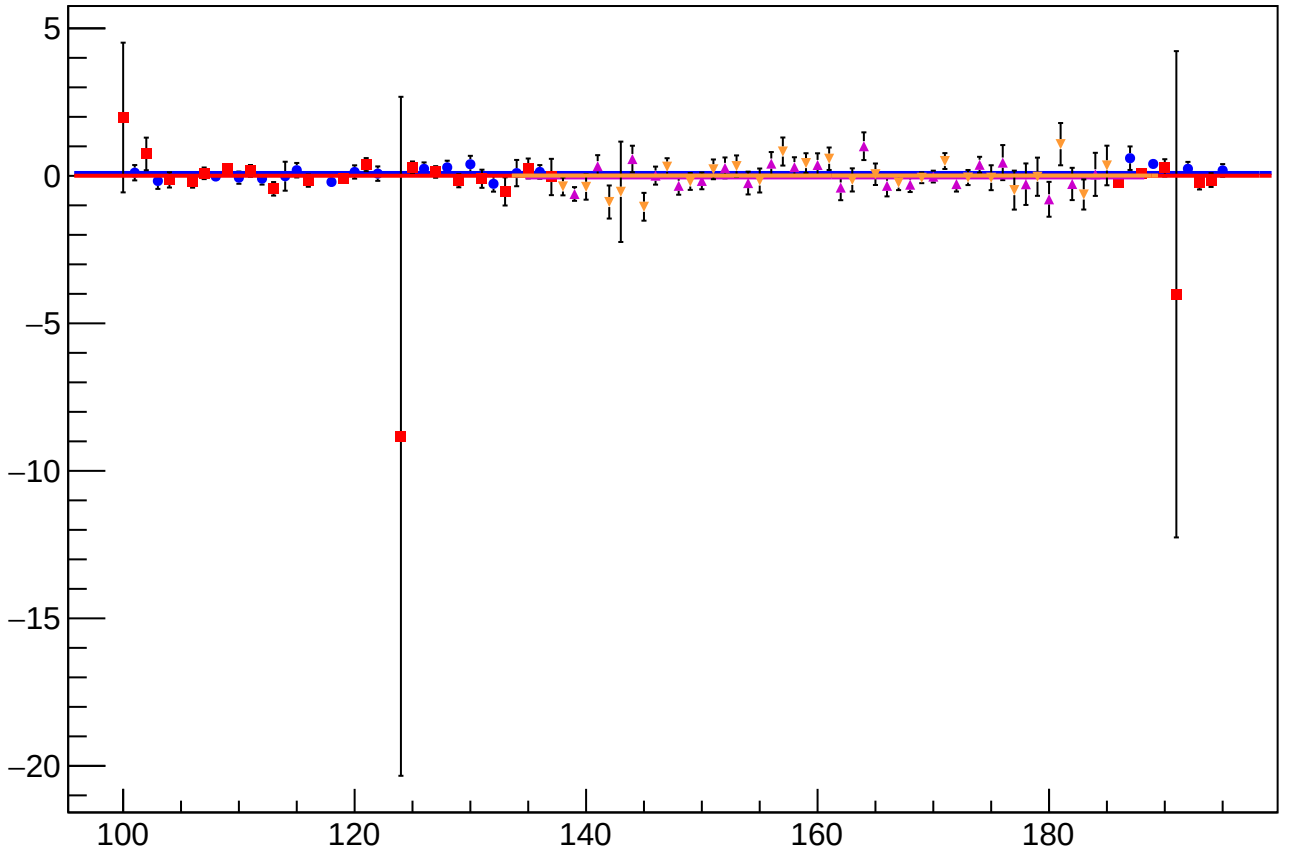
Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

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: 27220884.6/92

\- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47



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: 0.003+/-0.043 χ^2/NDF: 27.5/24

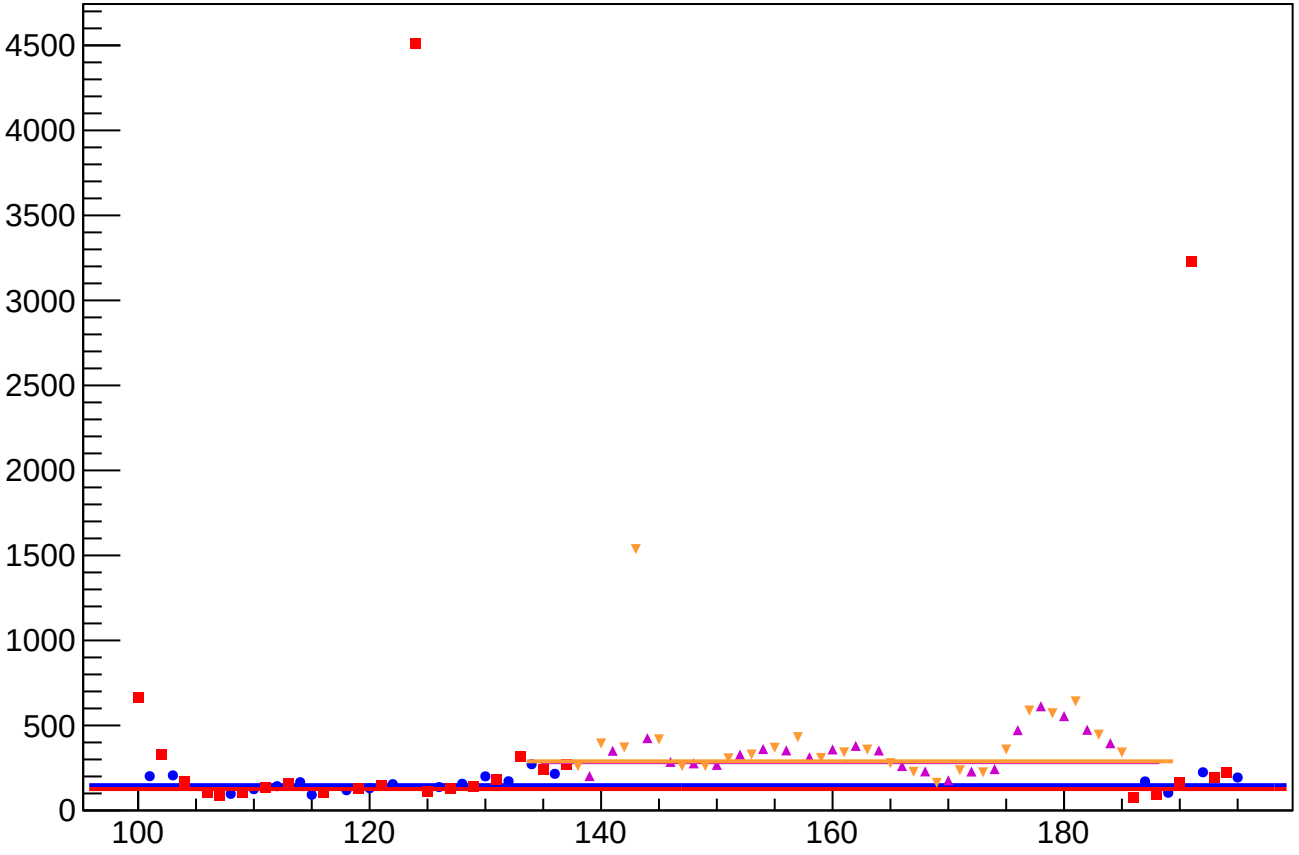
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

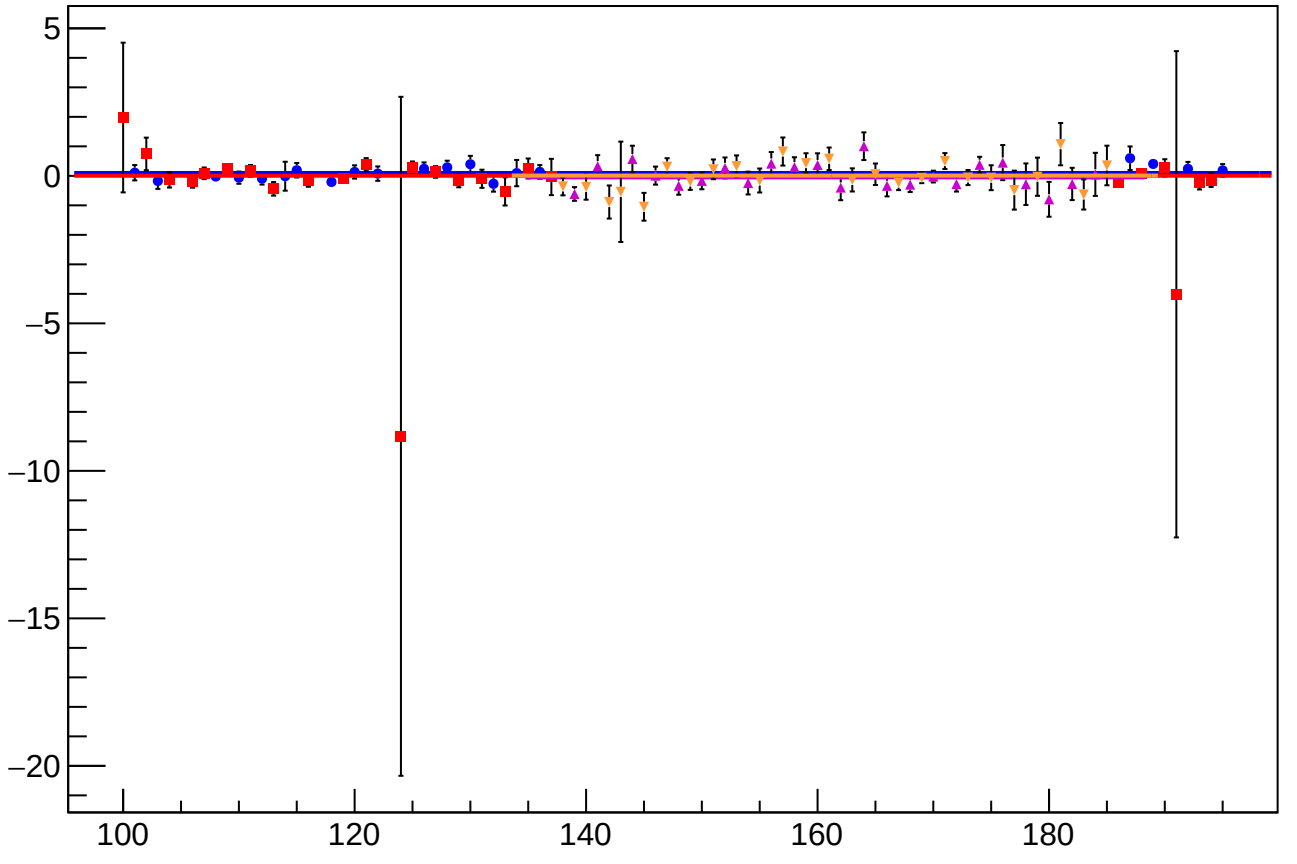
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

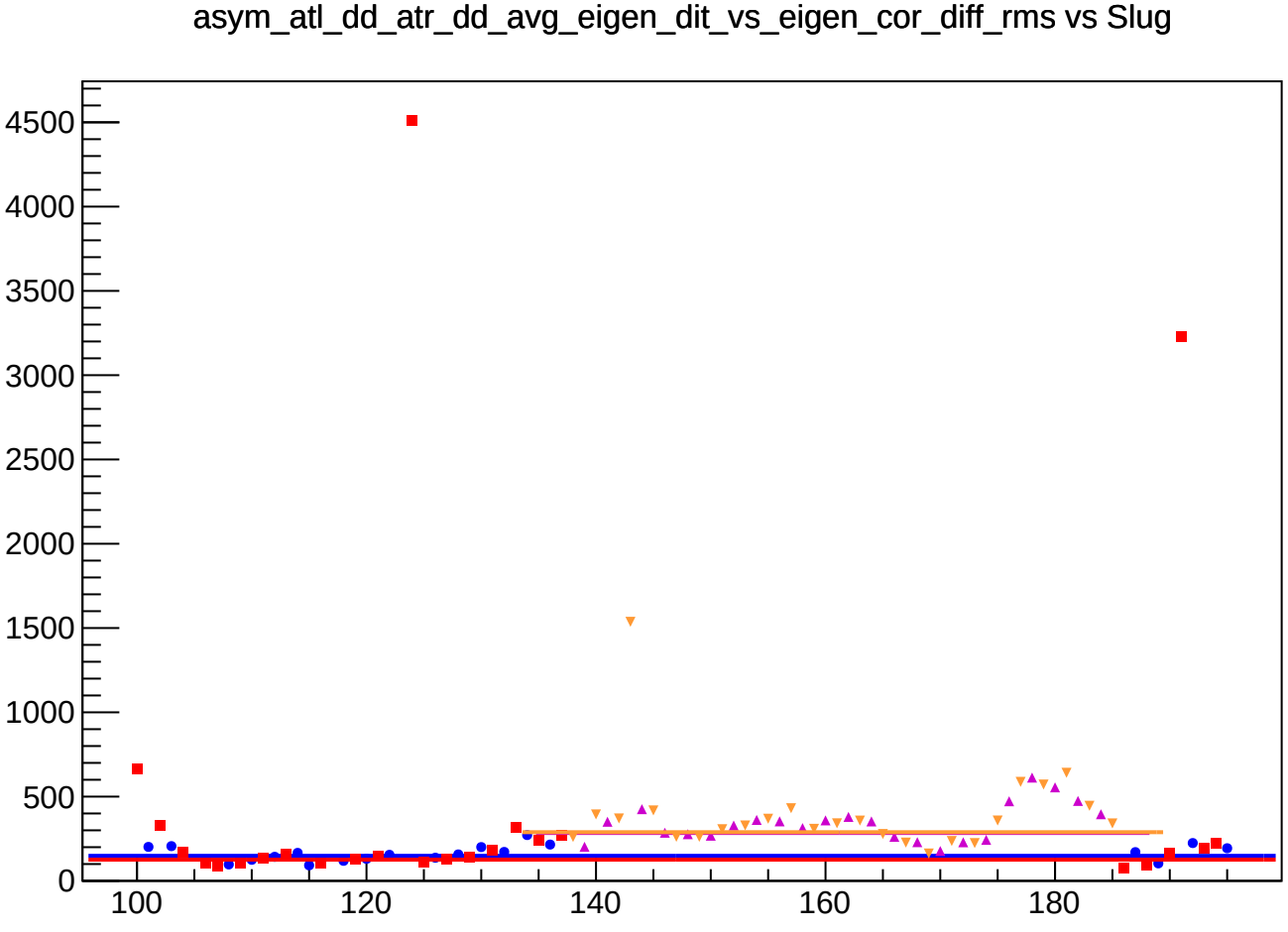
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

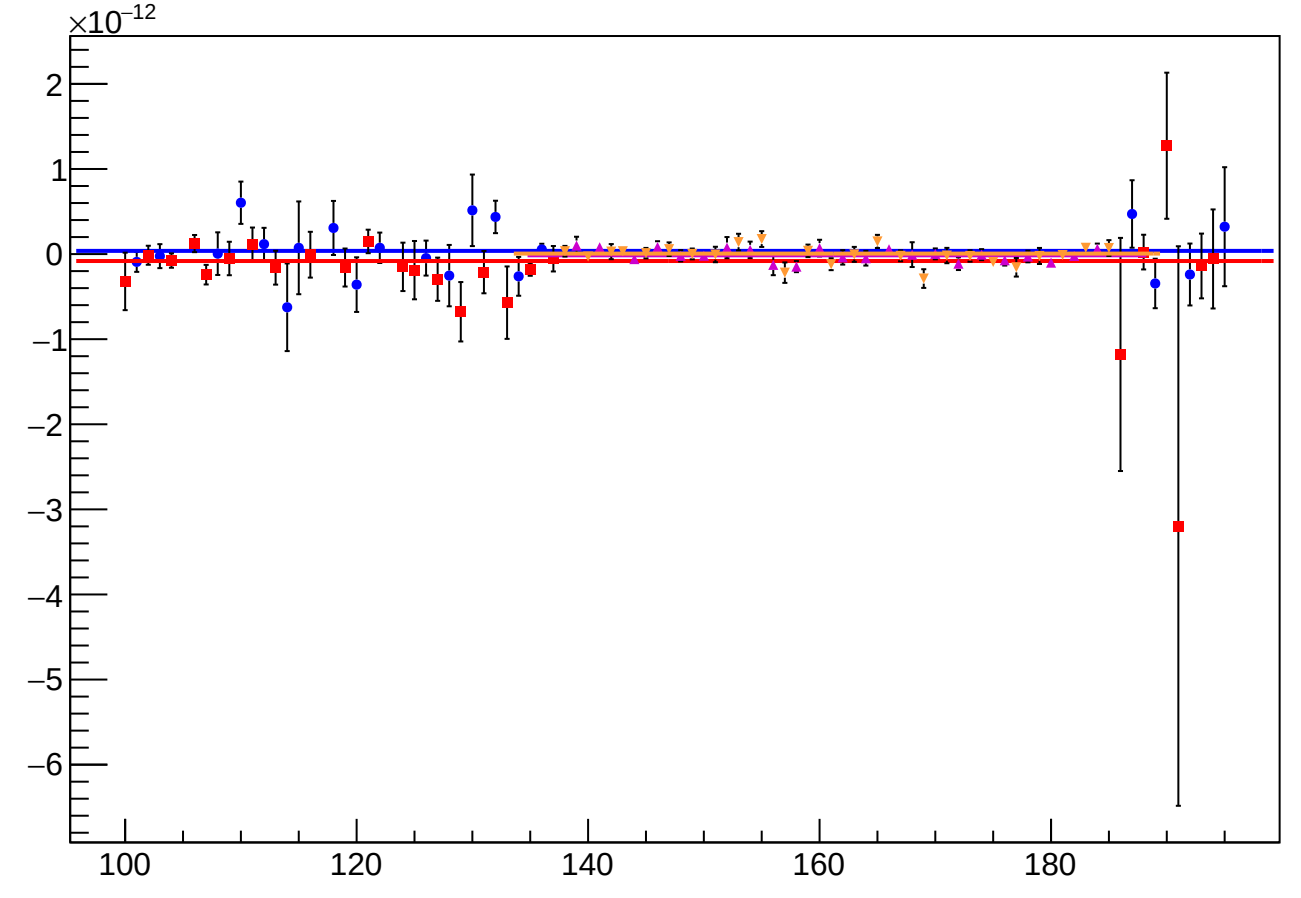
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47


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
Right In: 148.685+/-0.036 χ²/NDF: 1480056.0/19
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 125.883+/-0.030 χ²/NDF: 3040972.0/24
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 195.938+/-0.029 χ²/NDF: 11299227.7/44
All: 180.557+/-0.019 χ²/NDF: 25303134.2/92
- sign 168.483+/-0.026 χ²/NDF: 13506945.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

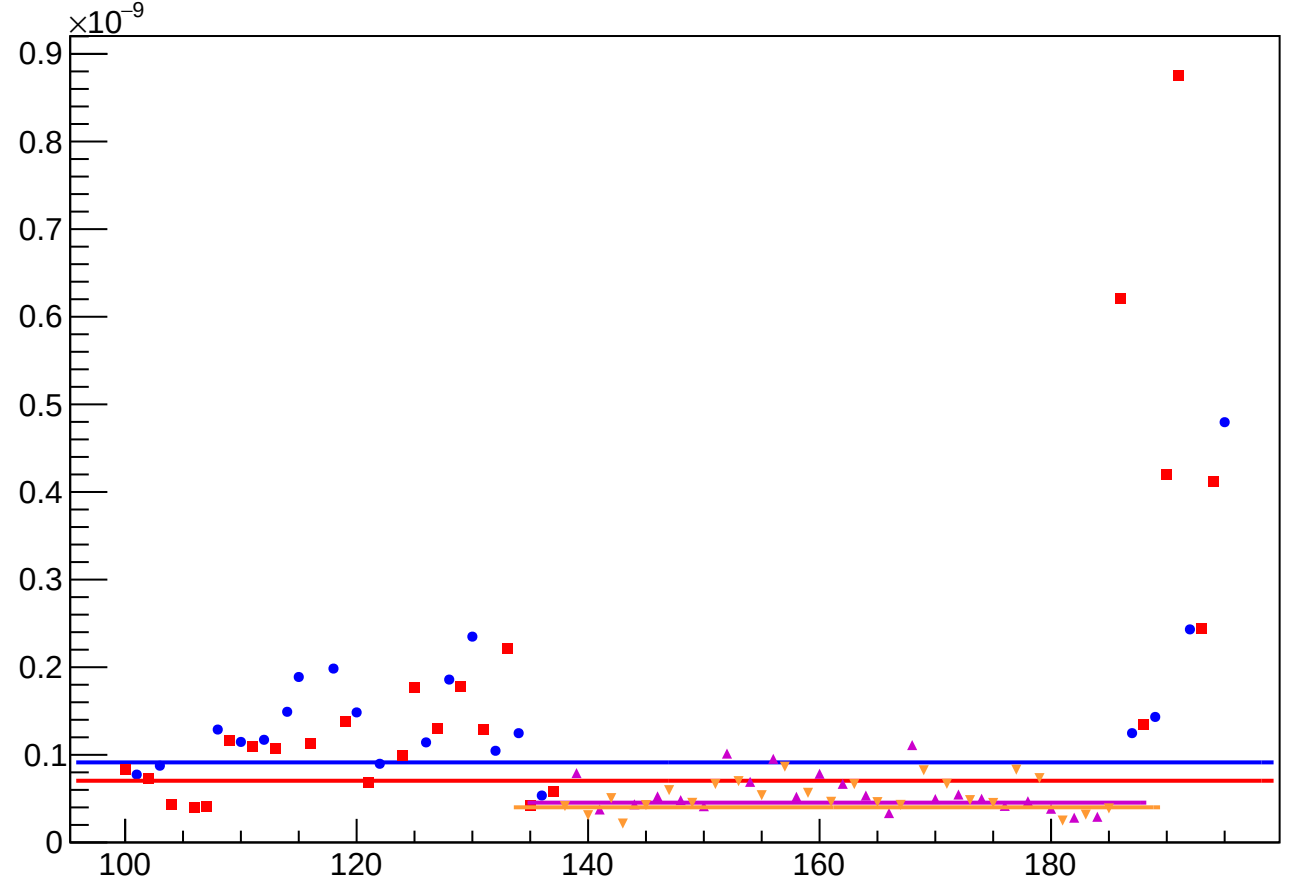
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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: 110.0/92

- sign -0.000+/-0.000 χ^2/NDF: 49.2/47



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: 4282007.7/24

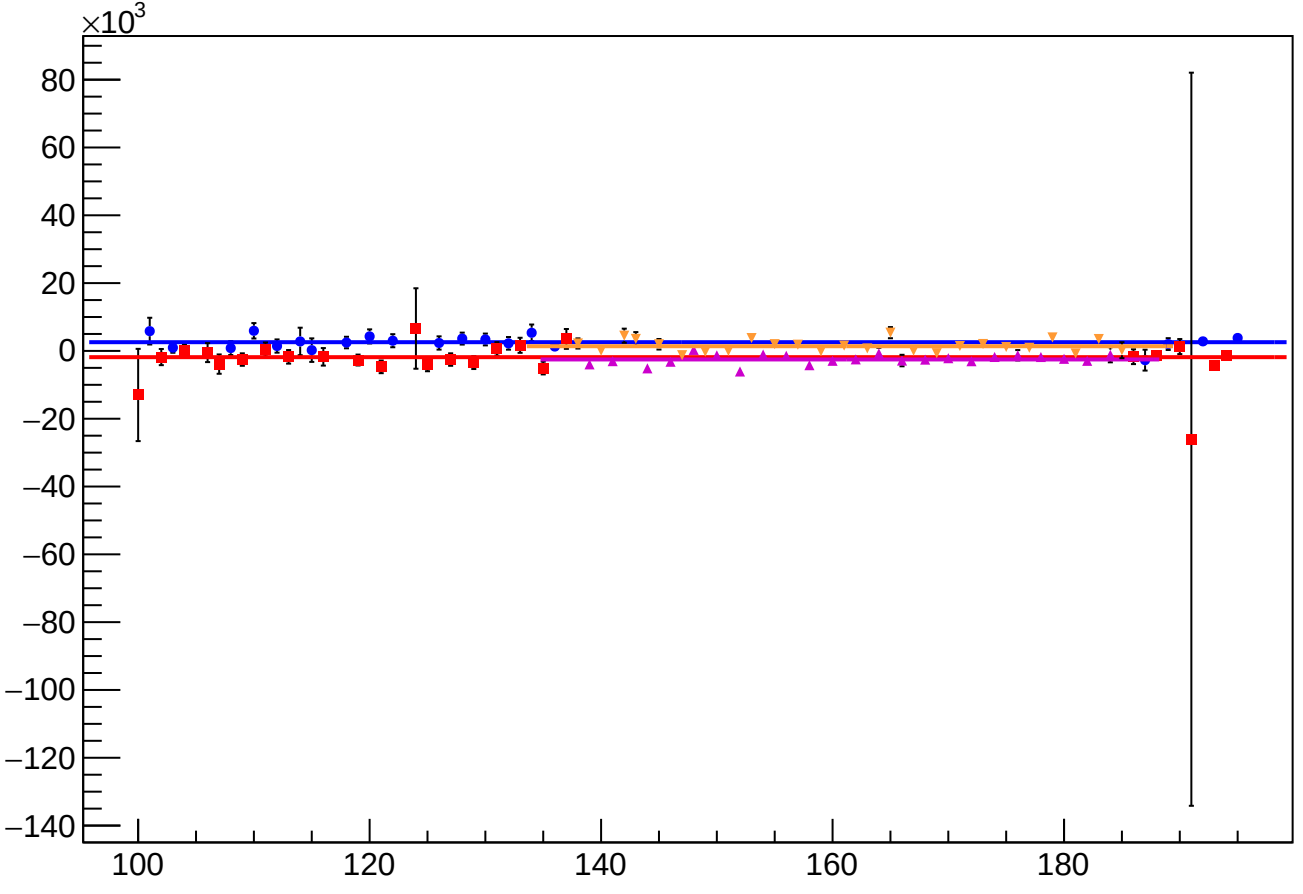
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9030177.6/44

All: 0.000+/-0.000 χ^2/NDF: 17199676.8/92

- sign 0.000+/-0.000 χ^2/NDF: 8016263.0/47

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



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: -1843.212+/-407.598 χ^2/NDF: 24.4/24

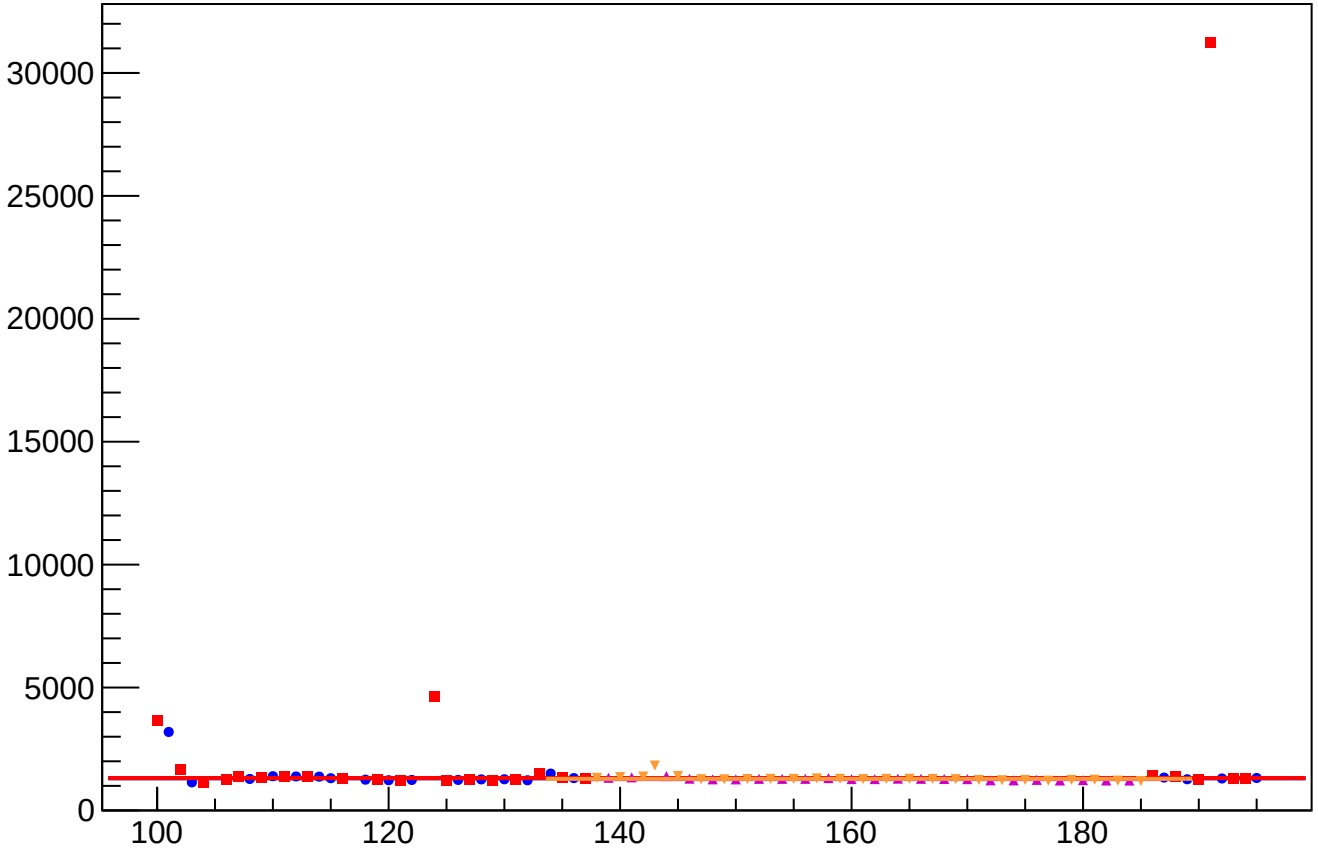
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.772+/-240.746 χ^2/NDF: 51.2/44

All: -258.605+/-170.186 χ^2/NDF: 241.6/92

- sign -2283.740+/-240.613 χ^2/NDF: 48.7/47

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

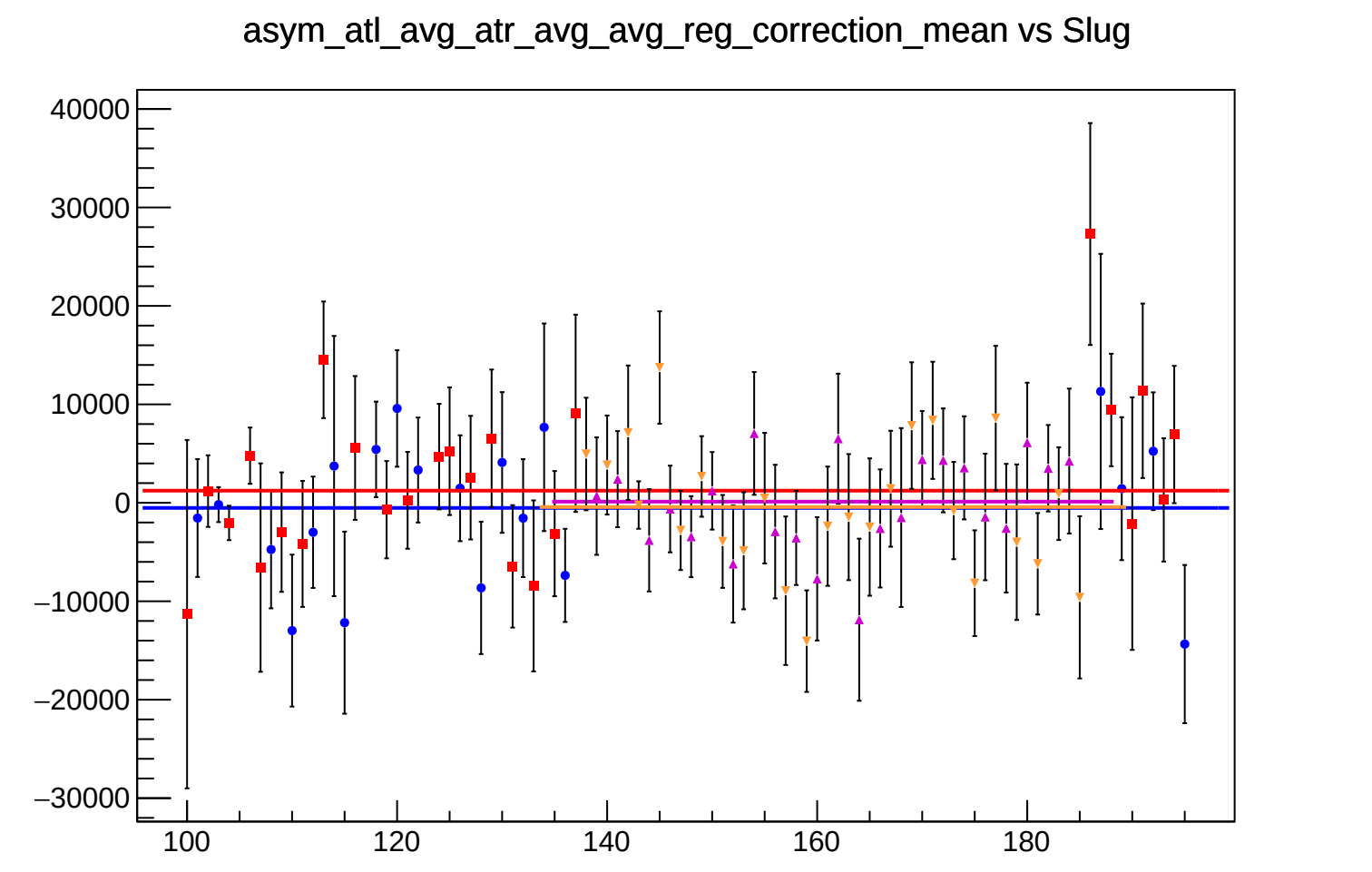
Right Out: 1319.125+/-0.288 χ^2/NDF: 488350.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.212+/-0.170 χ^2/NDF: 711750.7/44

All: 1291.618+/-0.120 χ^2/NDF: 1256185.8/92

- sign 1291.025+/-0.170 χ^2/NDF: 544410.9/47



Right In: -518.361+/-1139.350 χ^2/NDF: 19.4/19

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

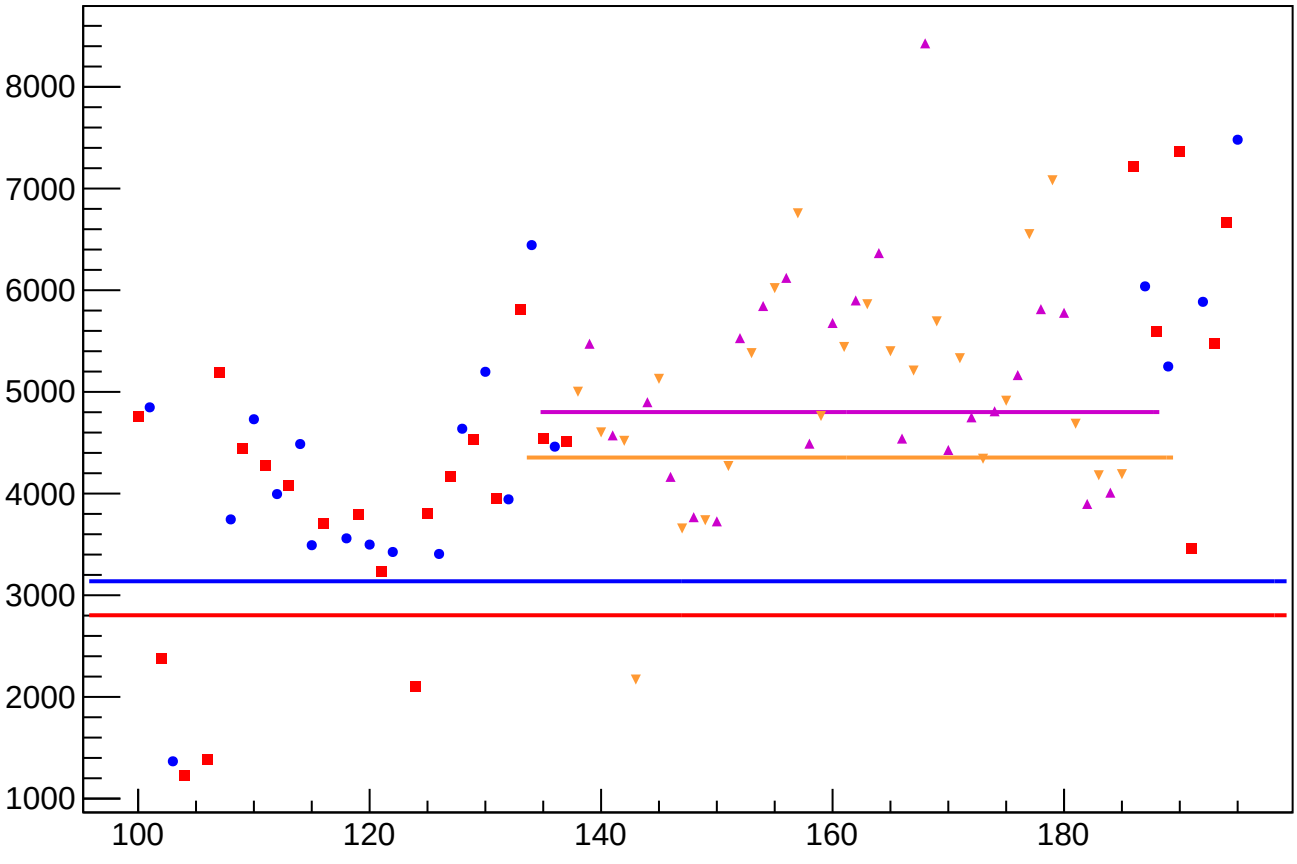
Right Out: 1233.680+/-999.445 χ^2/NDF: 27.7/24

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -469.275+/-767.326 χ^2/NDF: 49.2/44

All: 152.803+/-537.395 χ^2/NDF: 92.3/92

- sign 751.652+/-752.864 χ^2/NDF: 41.8/47



Right In: 3137.584+/-0.806 χ^2/NDF: 4279873.5/19

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

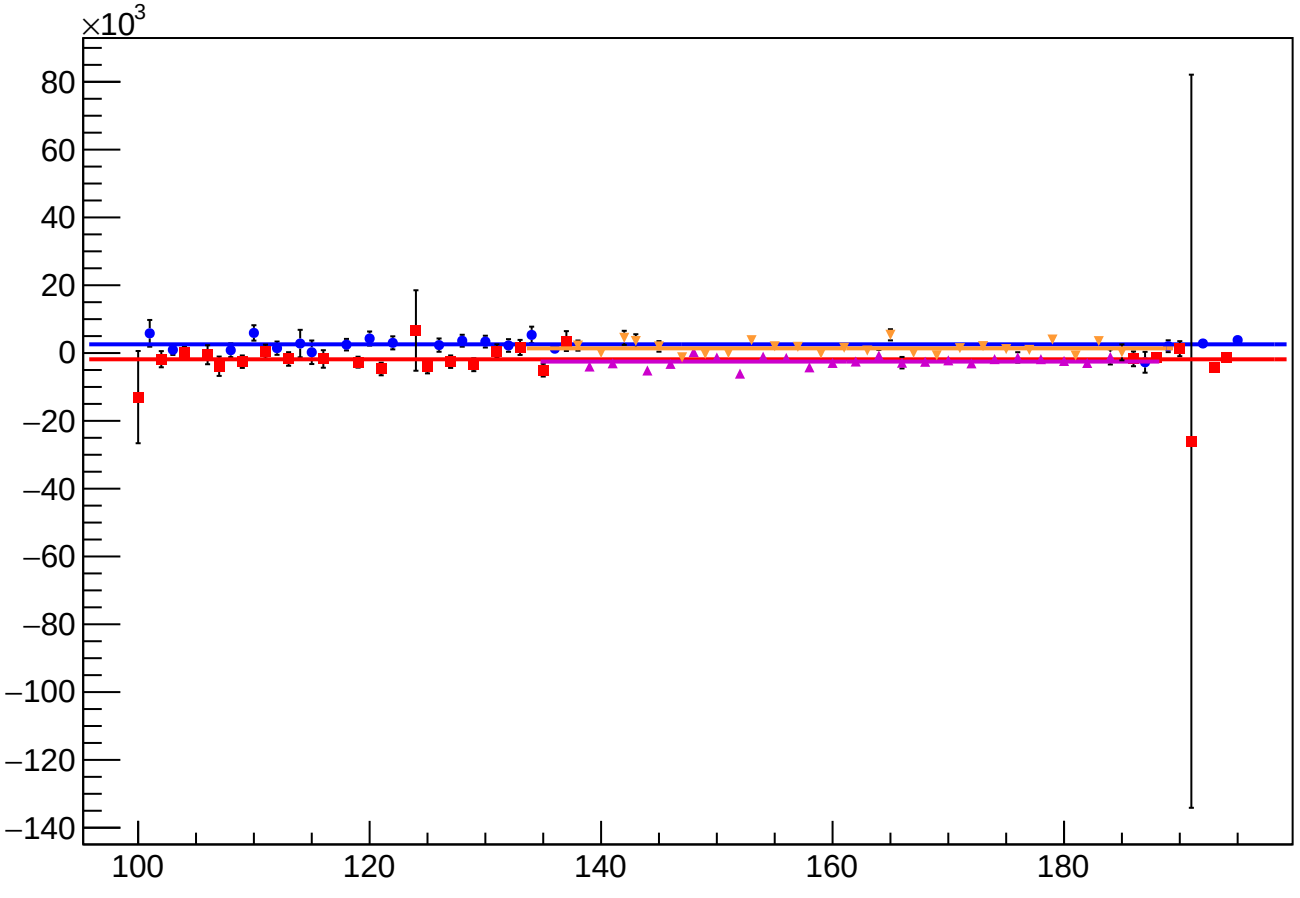
Right Out: 2803.201+/-0.707 χ^2/NDF: 5588255.3/24

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3802.556+/-0.543 χ^2/NDF: 8598087.6/44

All: 3733.809+/-0.380 χ^2/NDF: 18908474.5/9

- sign 3667.629+/-0.532 χ^2/NDF: 10278878.8/47



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: -1843.025+/-407.598 χ^2/NDF: 24.4/24

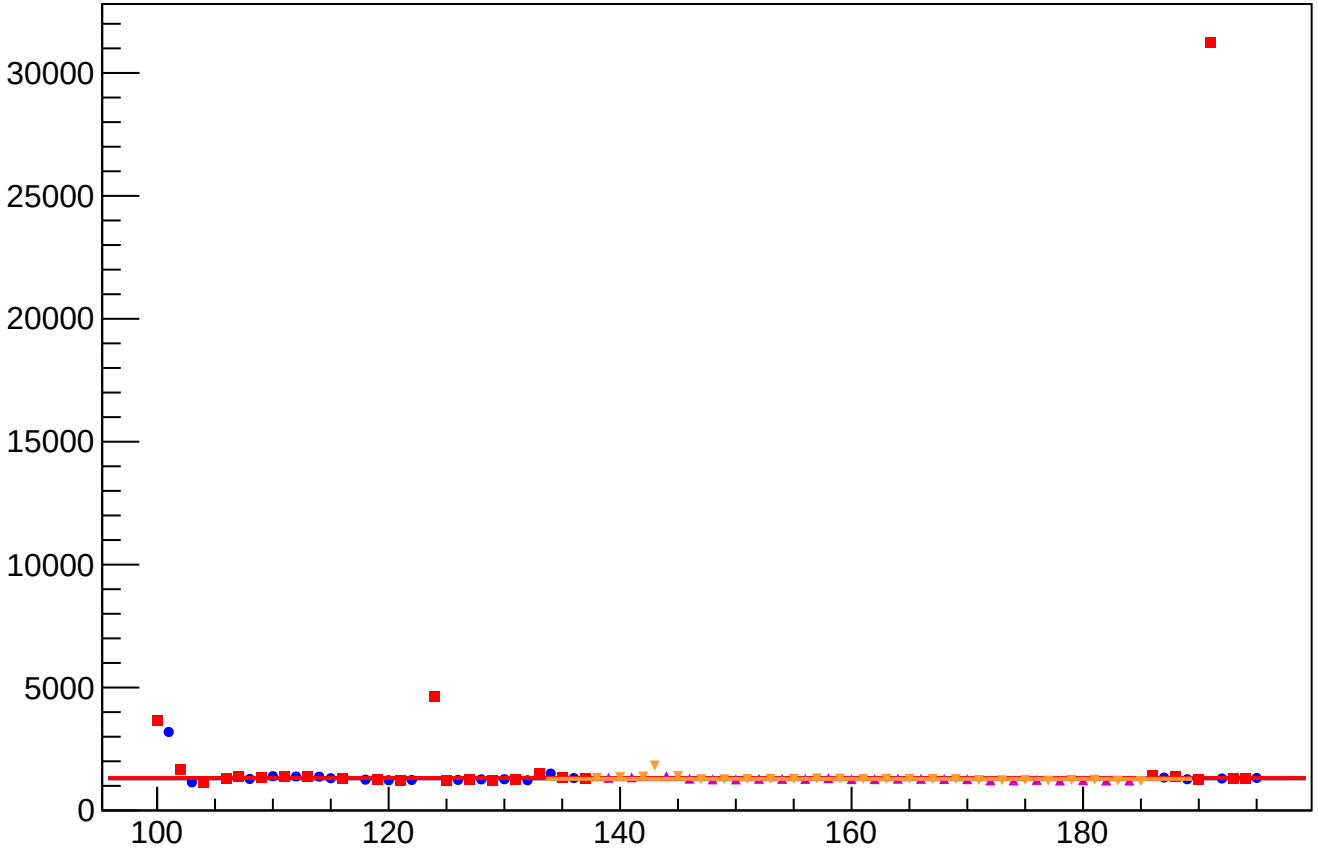
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.672+/-240.746 χ^2/NDF: 51.2/44

All: -258.622+/-170.186 χ^2/NDF: 241.6/92

- sign -2283.676+/-240.613 χ^2/NDF: 48.7/47

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

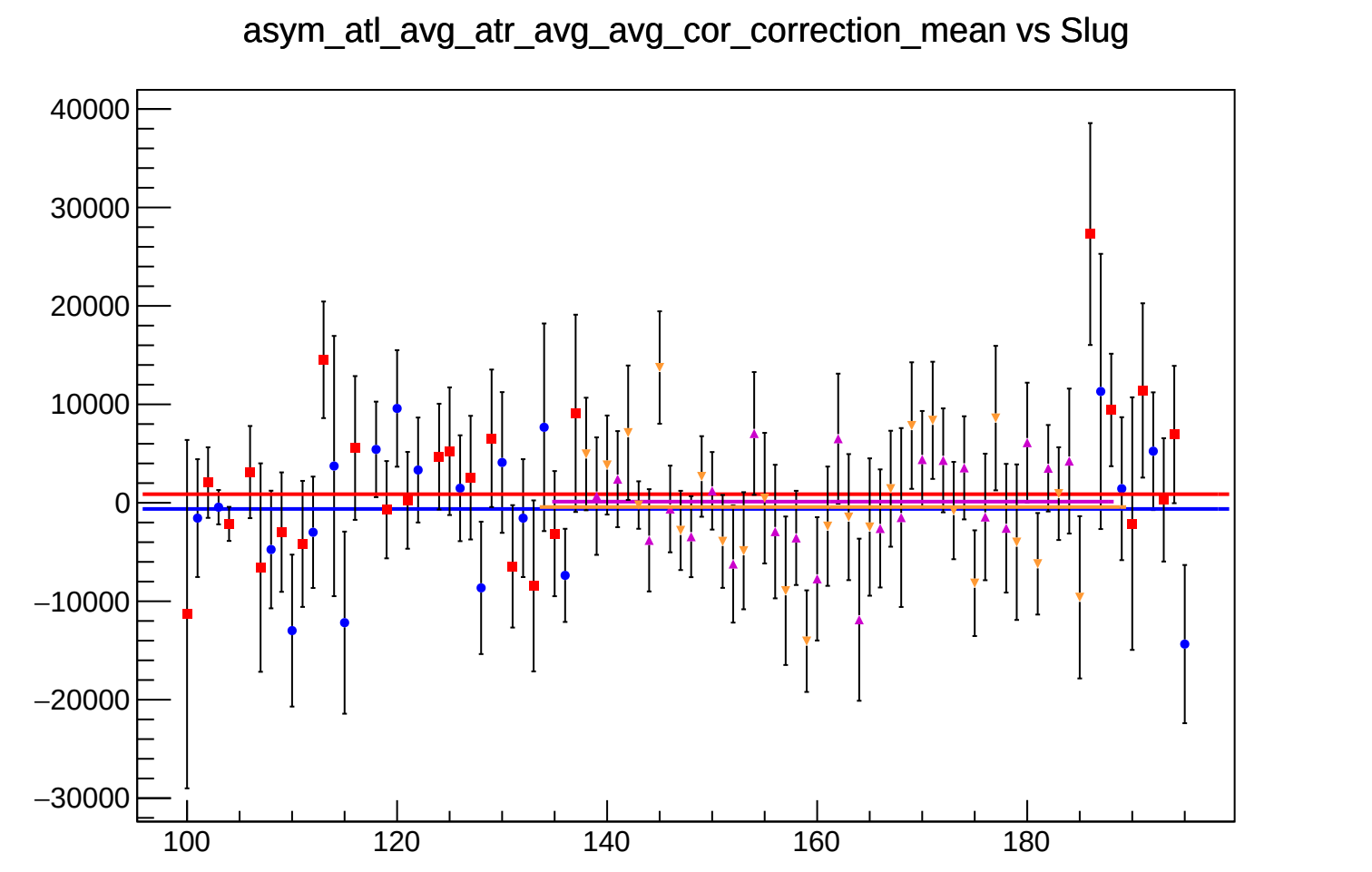
Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.211+/-0.170 χ^2/NDF: 711752.1/44

All: 1291.747+/-0.120 χ^2/NDF: 1256147.3/92

- sign 1291.284+/-0.170 χ^2/NDF: 544380.3/47



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

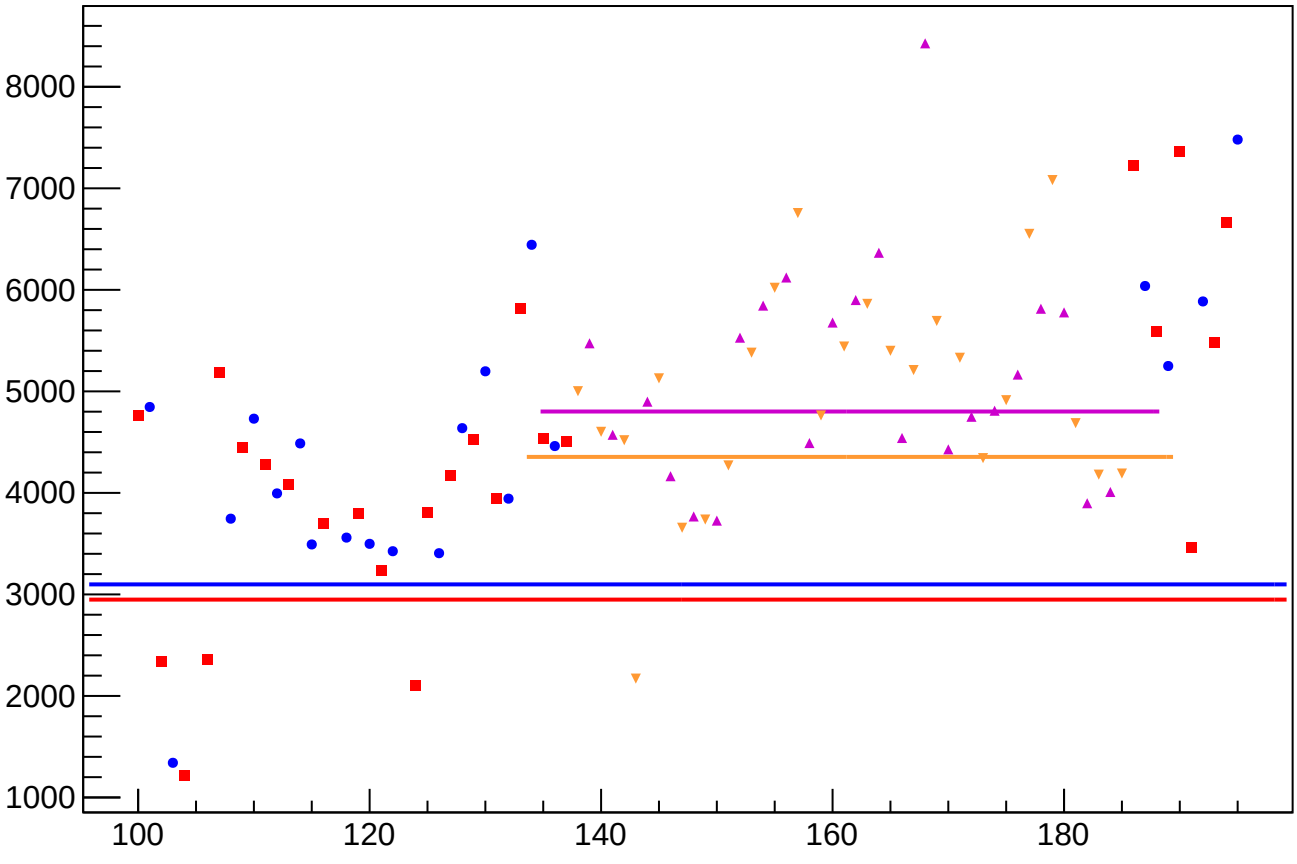
Right Out: 875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -517.515+/-764.528 χ^2/NDF: 49.2/44

All: 6.585+/-541.801 χ^2/NDF: 90.5/92

- sign 535.358+/-767.929 χ^2/NDF: 40.3/47



Right In: 3098.800+/-0.799 χ^2/NDF: 4414683.5/19

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

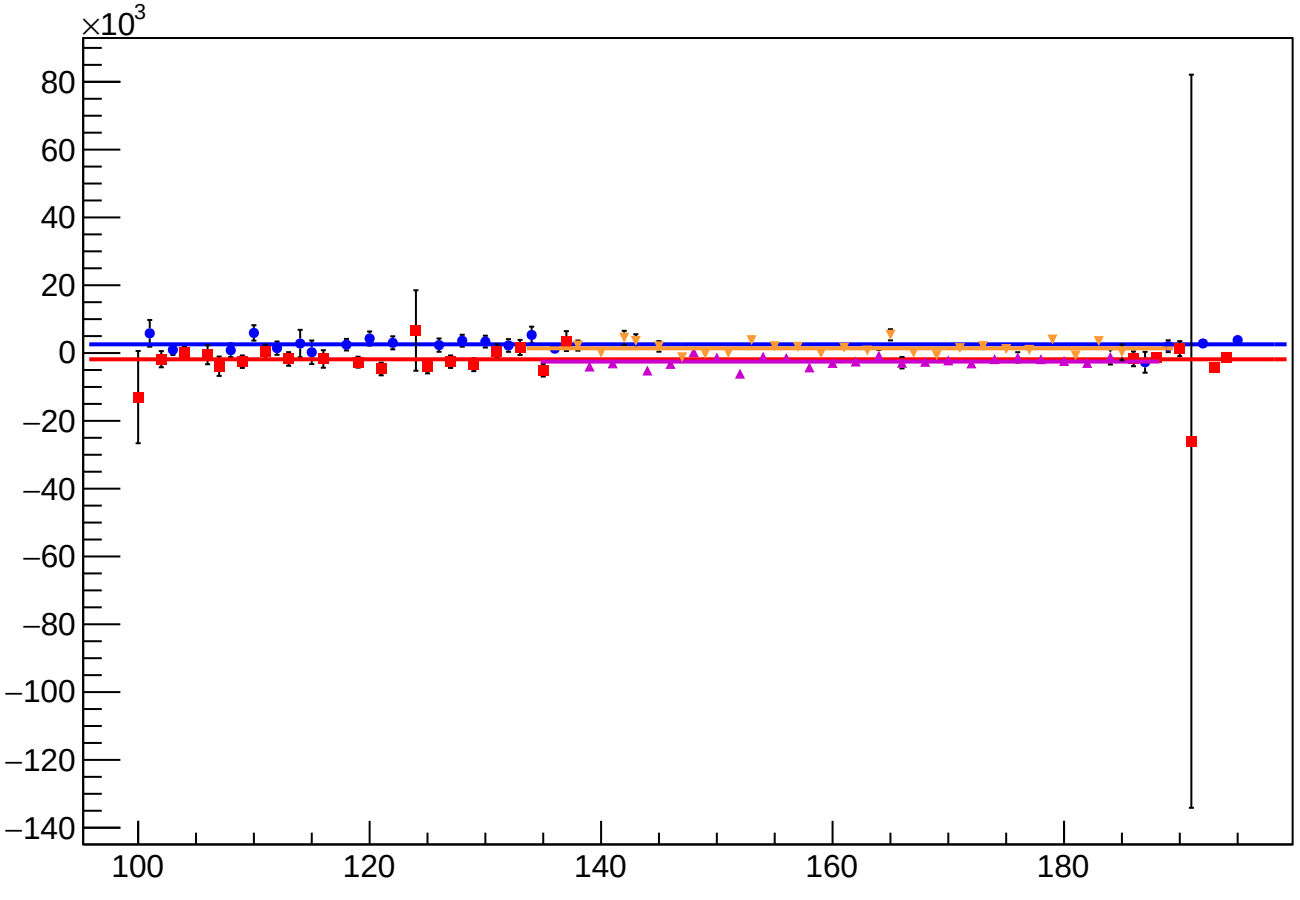
Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3779.964+/-0.541 χ^2/NDF: 8825335.6/44

All: 3781.330+/-0.383 χ^2/NDF: 18073987.2/9

- sign 3782.708+/-0.543 χ^2/NDF: 9248638.8/47



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: -1843.025+/-407.598 χ^2/NDF: 24.4/24

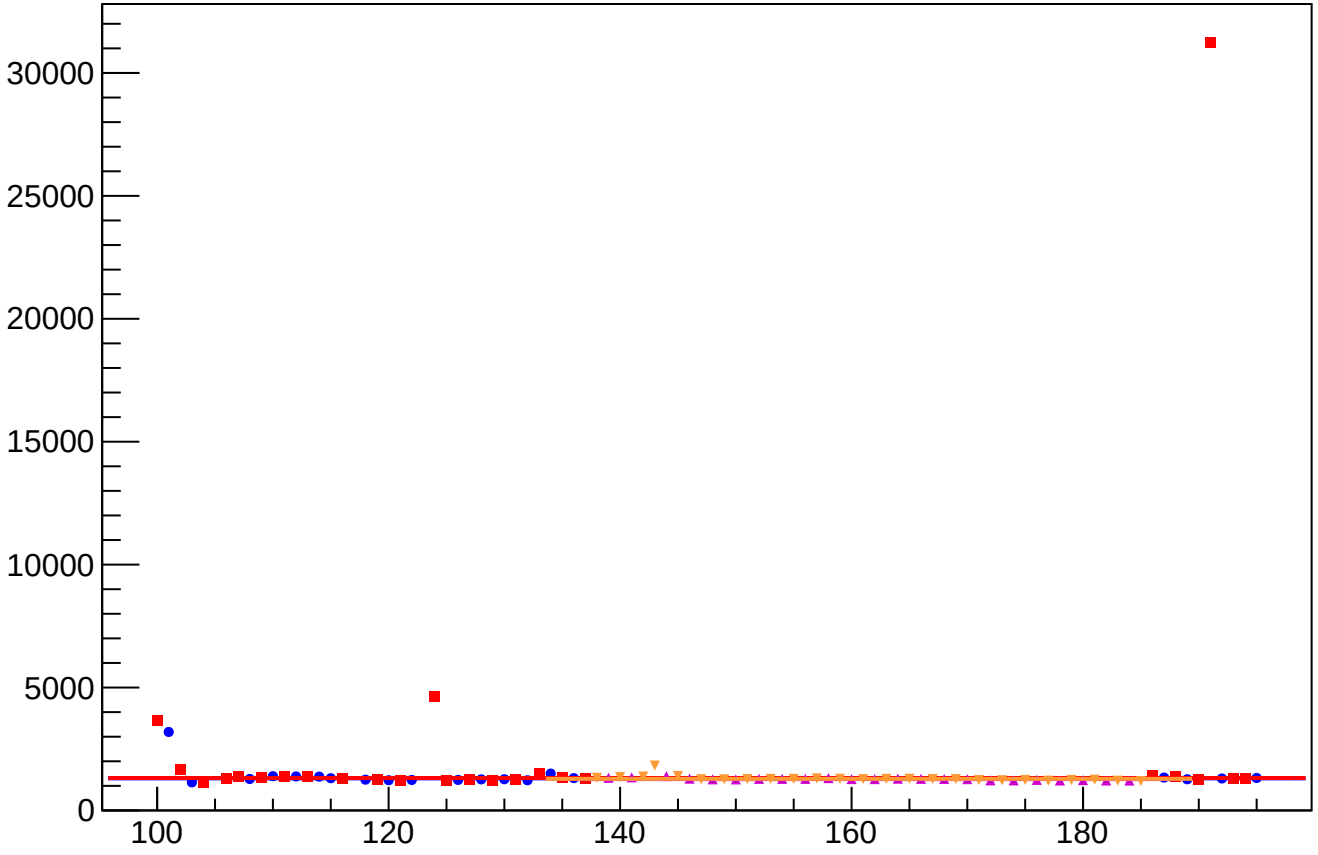
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1768.672+/-240.746 χ^2/NDF: 51.2/44

All: -258.622+/-170.186 χ^2/NDF: 241.6/92

- sign -2283.676+/-240.613 χ^2/NDF: 48.7/47

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

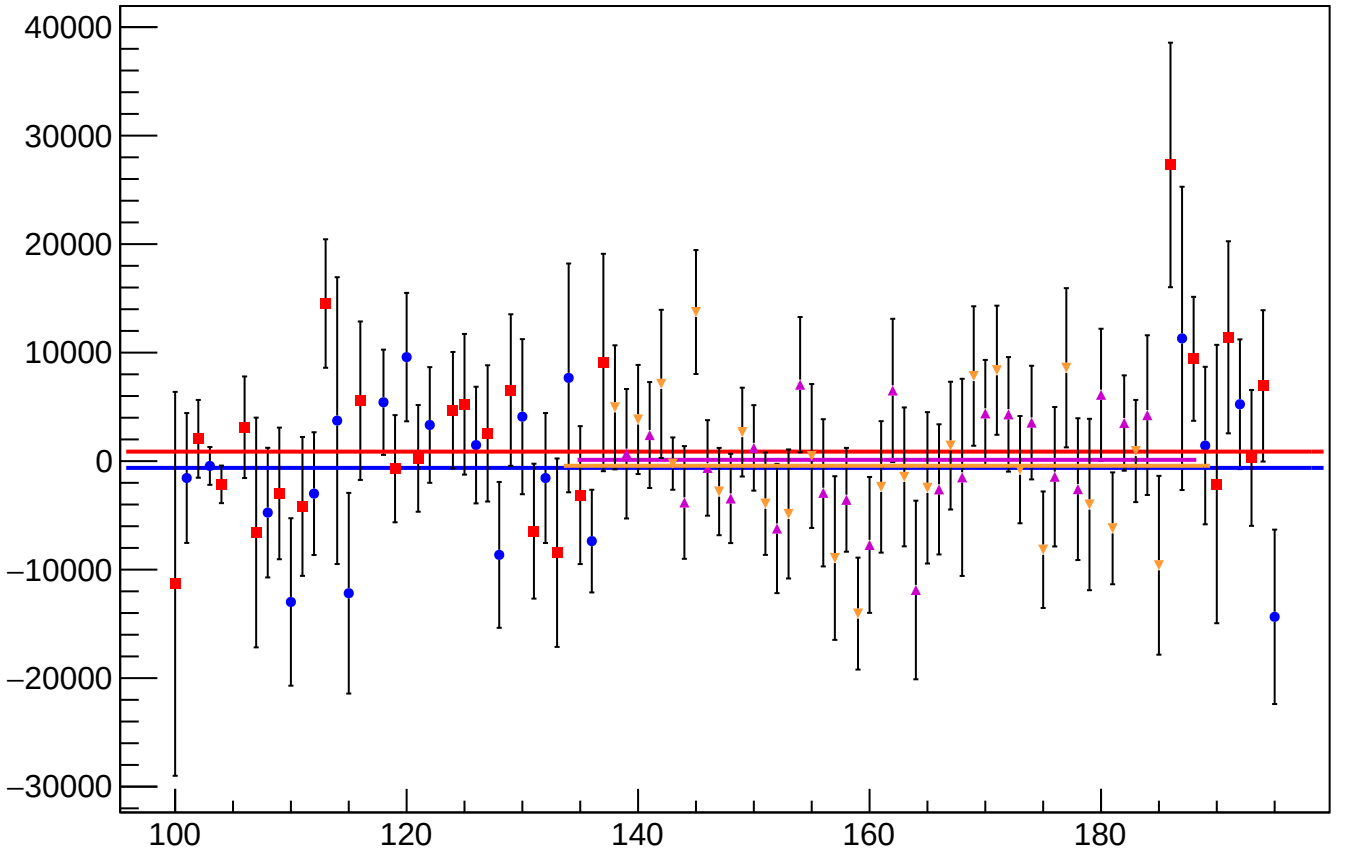
Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.211+/-0.170 χ^2/NDF: 711752.1/44

All: 1291.747+/-0.120 χ^2/NDF: 1256147.3/92

- sign 1291.284+/-0.170 χ^2/NDF: 544380.3/47



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

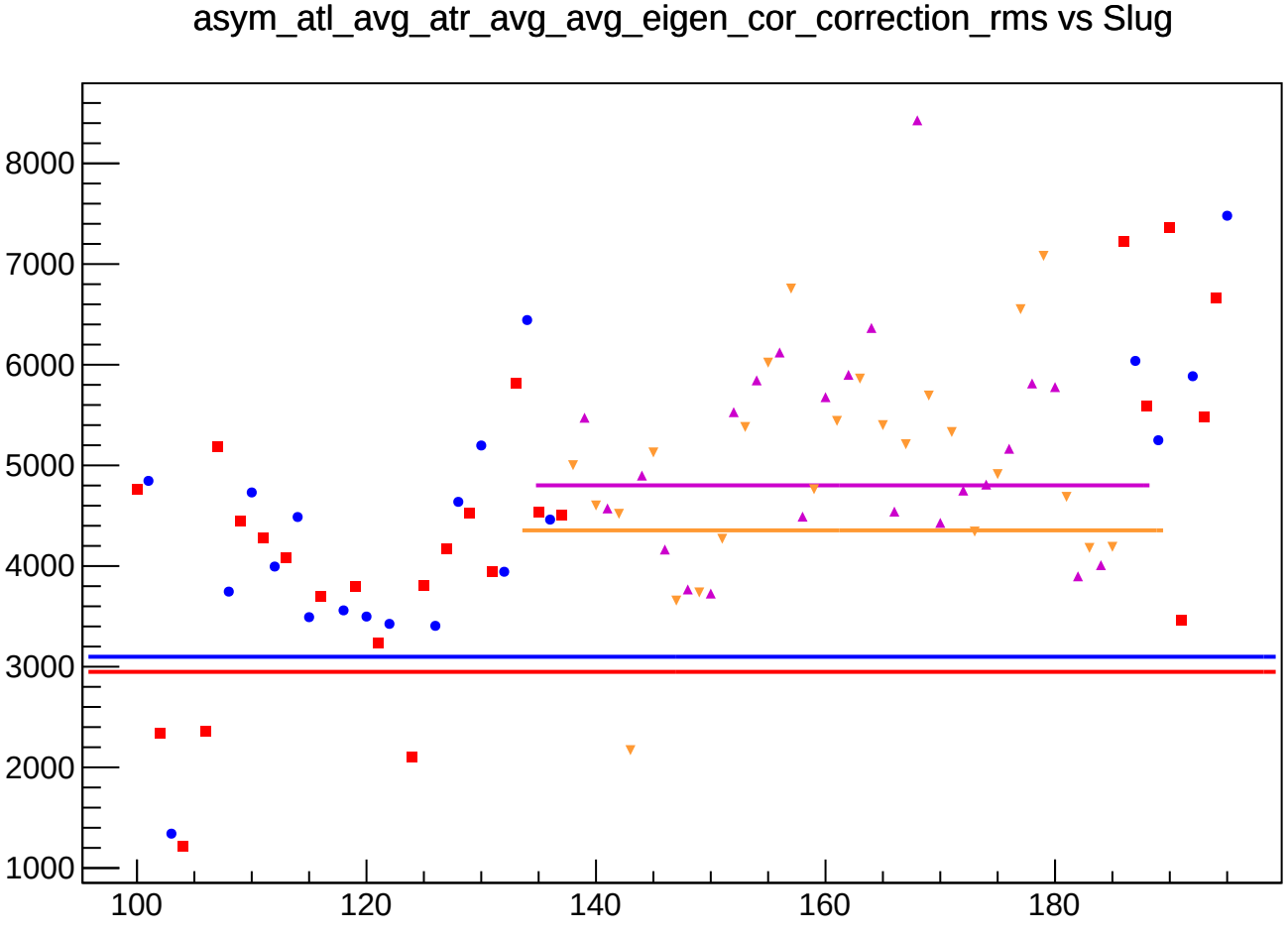
Right Out: 875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -517.515+/-764.528 χ^2/NDF: 49.2/44

All: 6.585+/-541.801 χ^2/NDF: 90.5/92

- sign 535.358+/-767.929 χ^2/NDF: 40.3/47



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: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

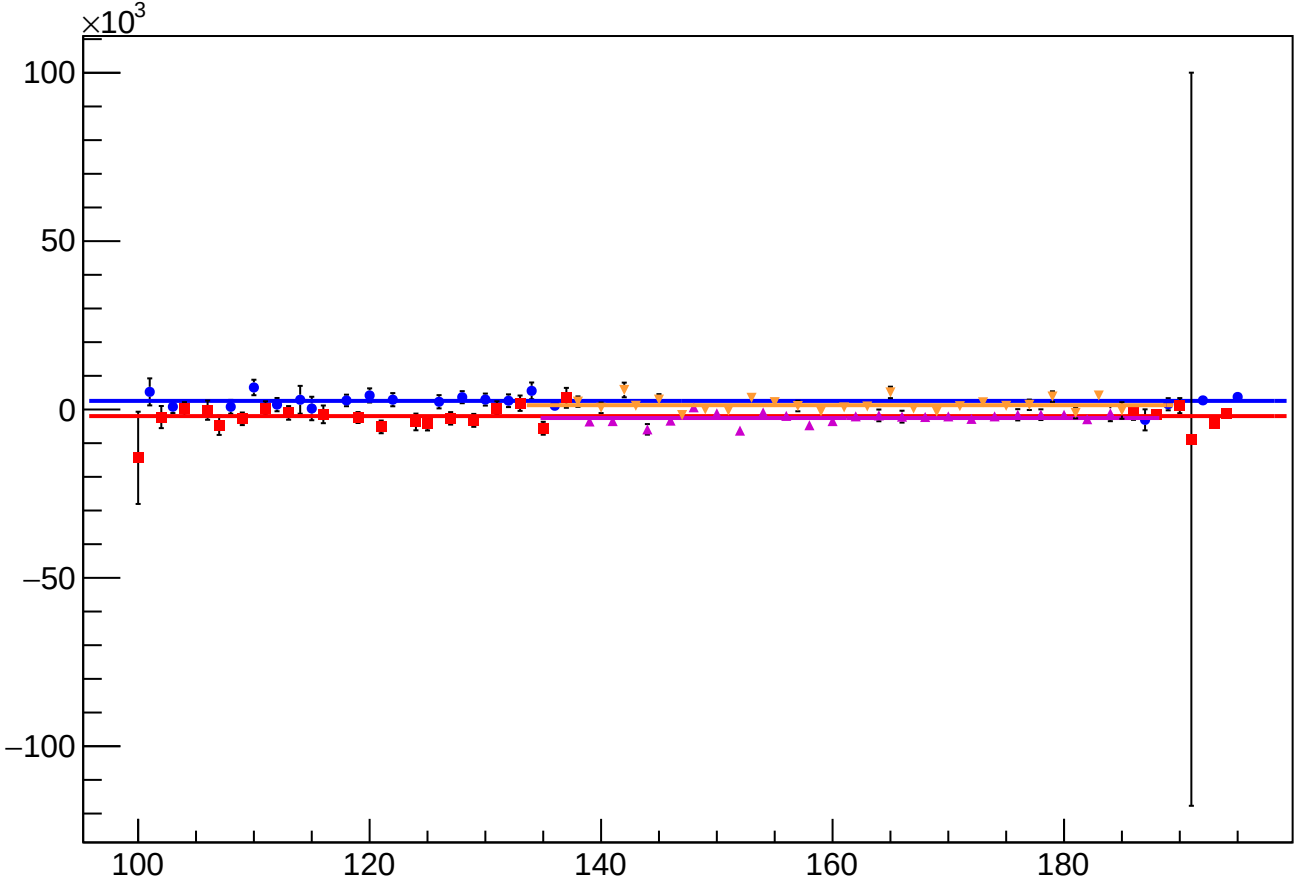
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3779.964+/-0.541 χ^2/NDF: 8825335.6/44

All: 3781.330+/-0.383 χ^2/NDF: 18073987.2/9

- sign 3782.708+/-0.543 χ^2/NDF: 9248638.8/47

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: -1958.674+/-414.965 χ^2/NDF: 25.5/24

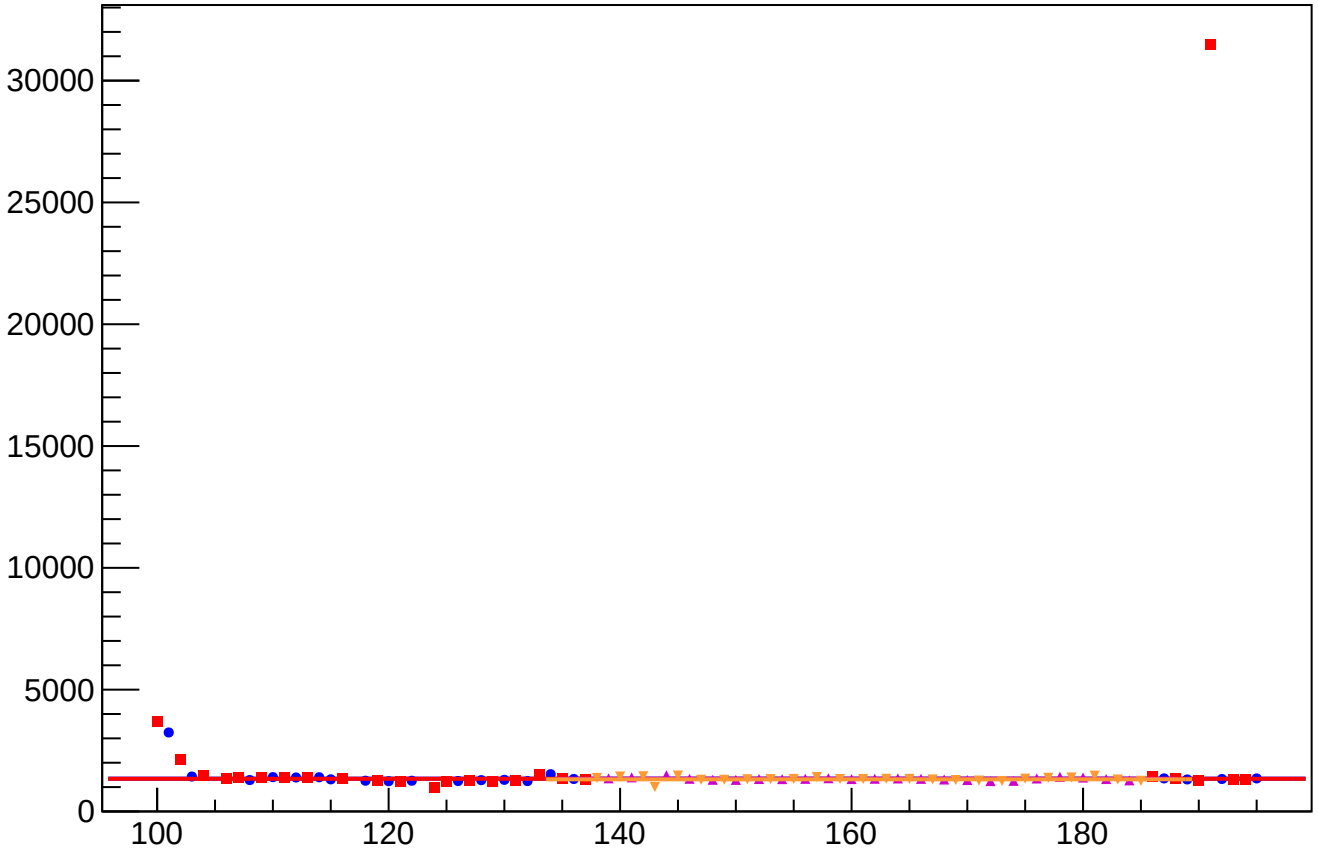
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1694.317+/-247.479 χ^2/NDF: 52.7/44

All: -295.895+/-175.819 χ^2/NDF: 235.0/92

- sign -2324.059+/-249.828 χ^2/NDF: 51.7/47

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

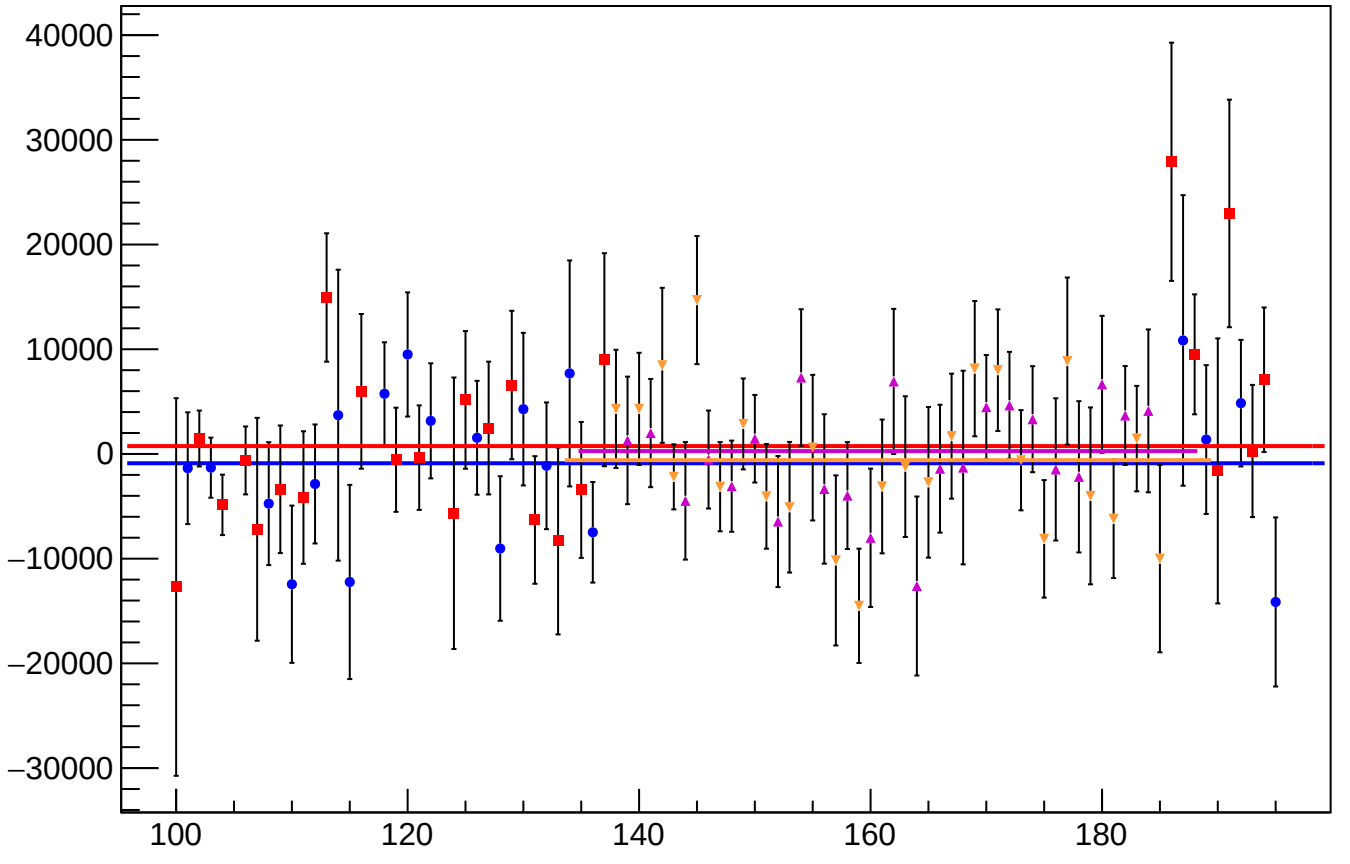
Right Out: 1341.289+/-0.293 χ^2/NDF: 433226.9/24

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1327.418+/-0.175 χ^2/NDF: 749611.7/44

All: 1333.441+/-0.124 χ^2/NDF: 1239532.1/92

- sign 1339.577+/-0.177 χ^2/NDF: 487528.9/47



Right In: -888.914+/-1319.102 χ^2/NDF: 19.0/19

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

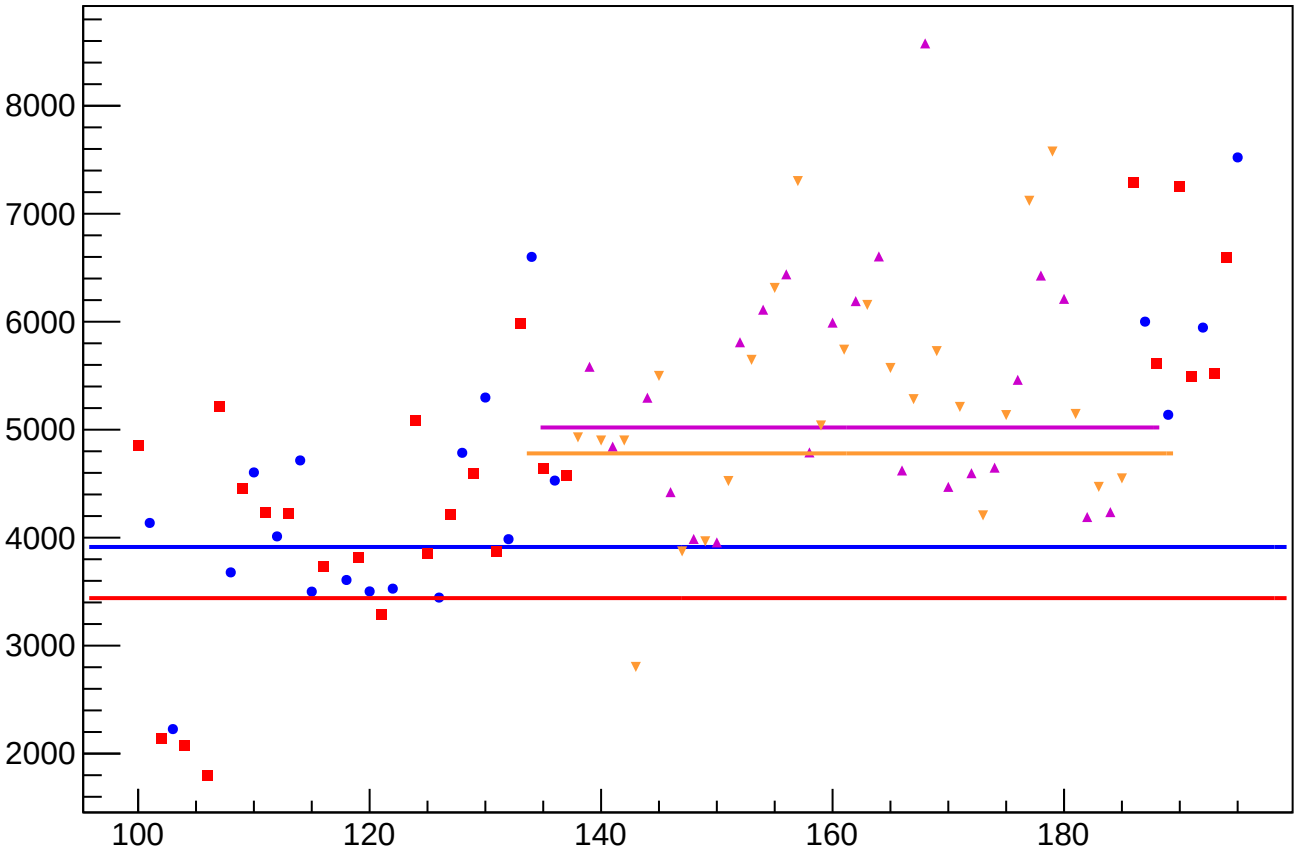
Right Out: 750.890+/-1124.701 χ^2/NDF: 30.2/24

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -718.367+/-854.779 χ^2/NDF: 48.6/44

All: -69.661+/-591.586 χ^2/NDF: 93.3/92

- sign 526.733+/-819.589 χ^2/NDF: 43.7/47



Right In: 3913.675+/-0.933 χ^2/NDF: 1759288.1/19

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

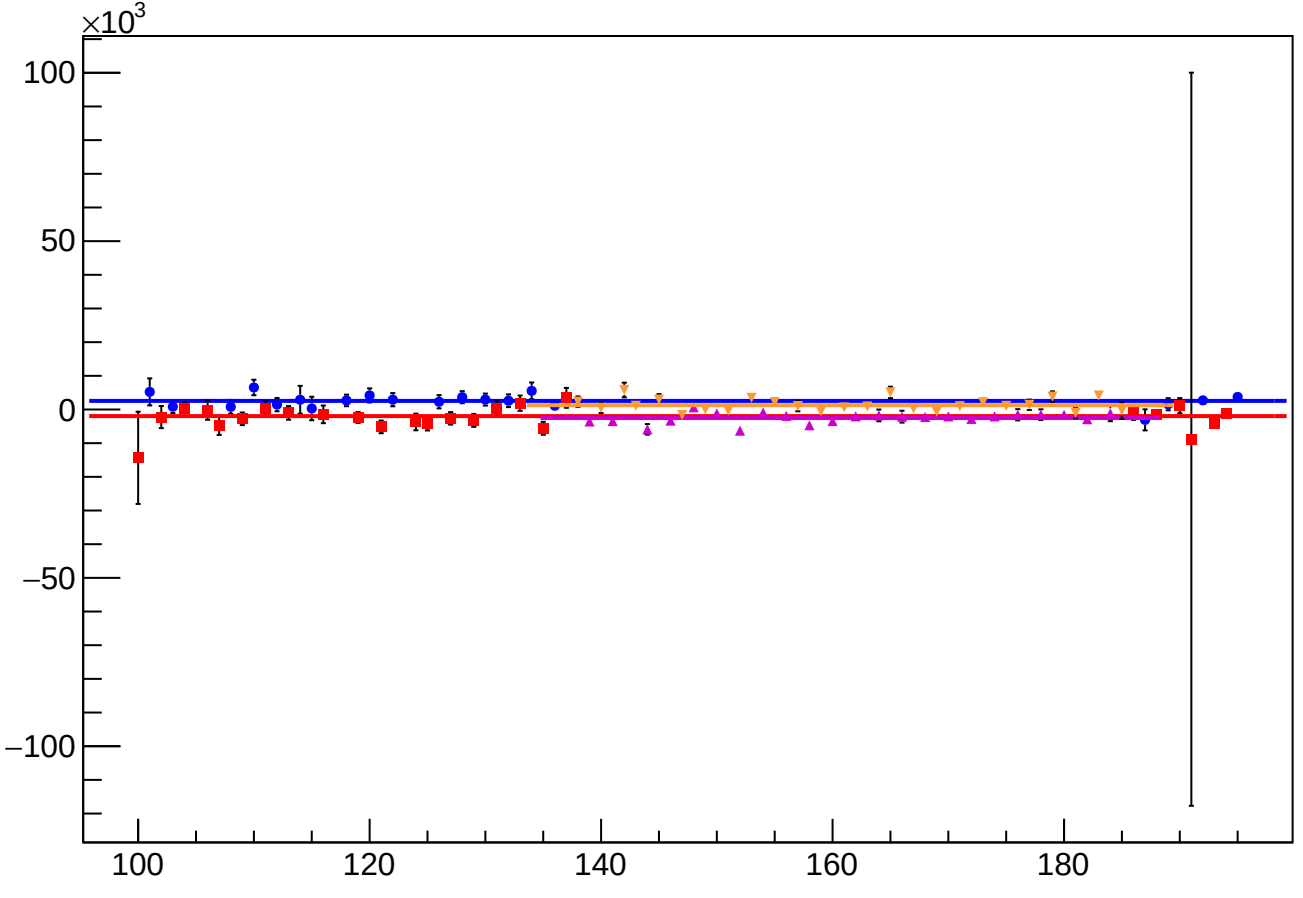
Right Out: 3440.097+/-0.795 χ^2/NDF: 3433065.6/24

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4416.456+/-0.604 χ^2/NDF: 4266410.8/44

All: 4293.932+/-0.418 χ^2/NDF: 10855566.6/9

- sign 4181.288+/-0.580 χ^2/NDF: 6510283.8/47



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: -1958.674+/-414.965 χ^2/NDF: 25.5/24

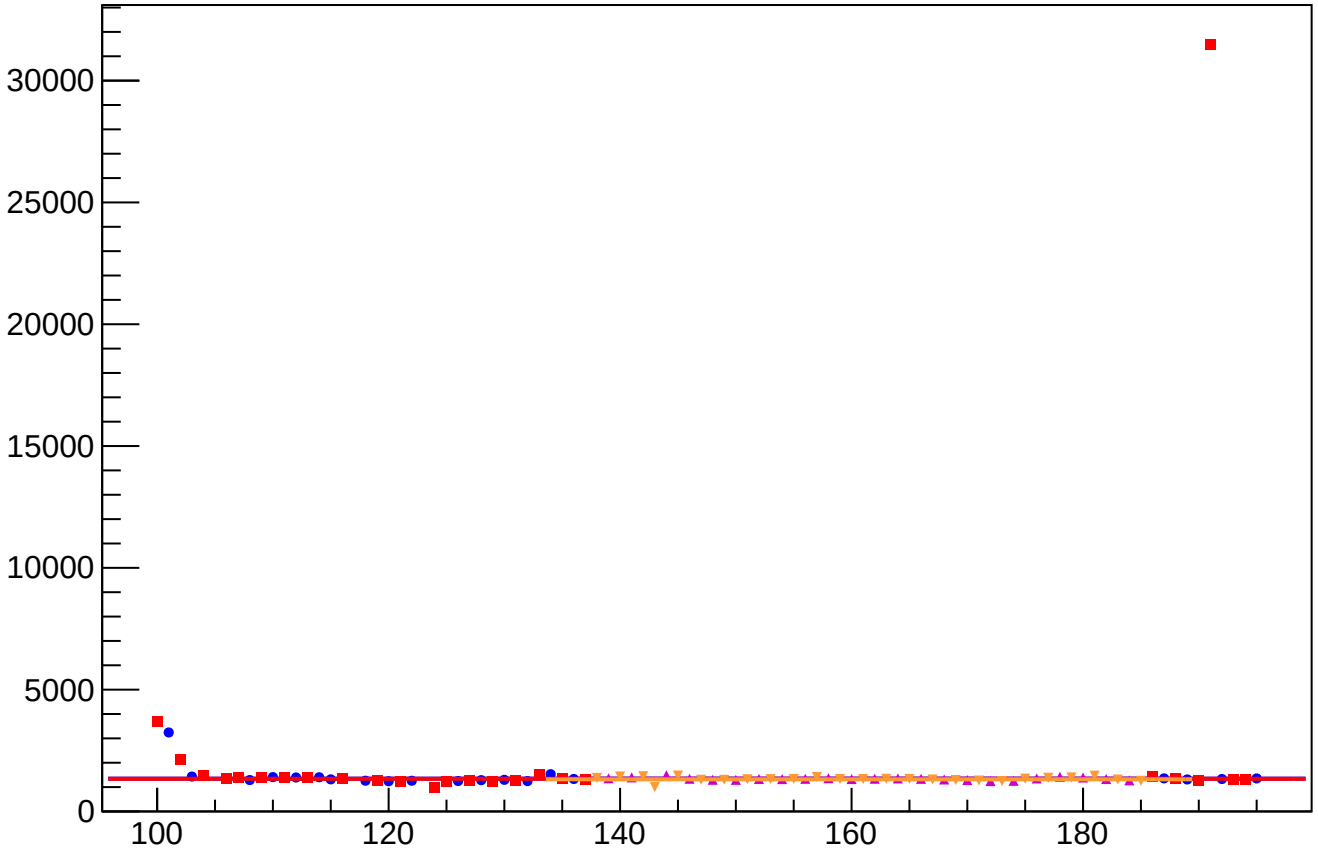
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1694.313+/-247.479 χ^2/NDF: 52.7/44

All: -295.897+/-175.819 χ^2/NDF: 235.0/92

- sign -2324.059+/-249.828 χ^2/NDF: 51.7/47

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

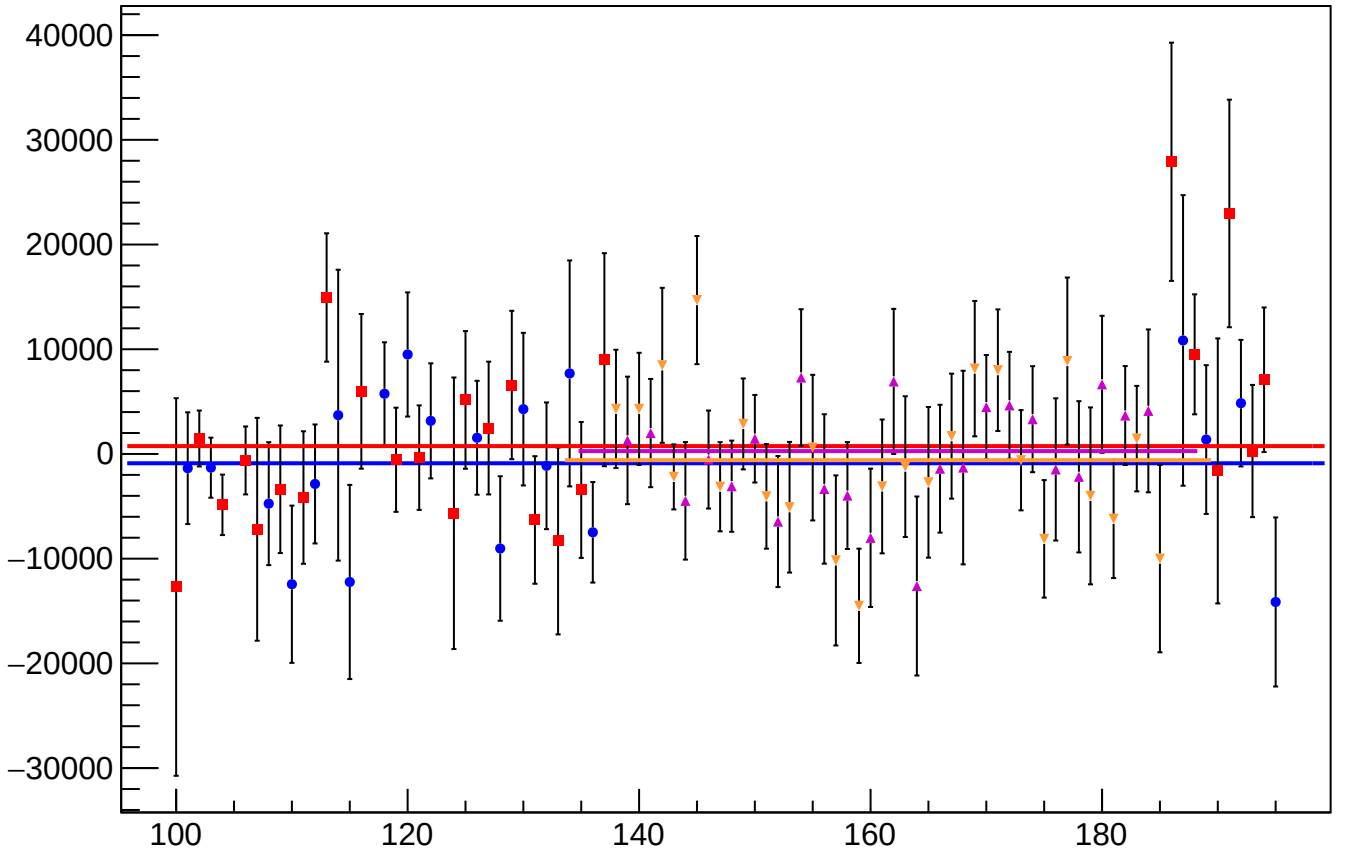
Right Out: 1341.289+/-0.293 χ^2/NDF: 433225.8/24

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1327.418+/-0.175 χ^2/NDF: 749613.6/44

All: 1333.441+/-0.124 χ^2/NDF: 1239535.5/92

- sign 1339.578+/-0.177 χ^2/NDF: 487530.2/47



Right In: -888.906+/-1319.100 χ^2/NDF: 19.0/19

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

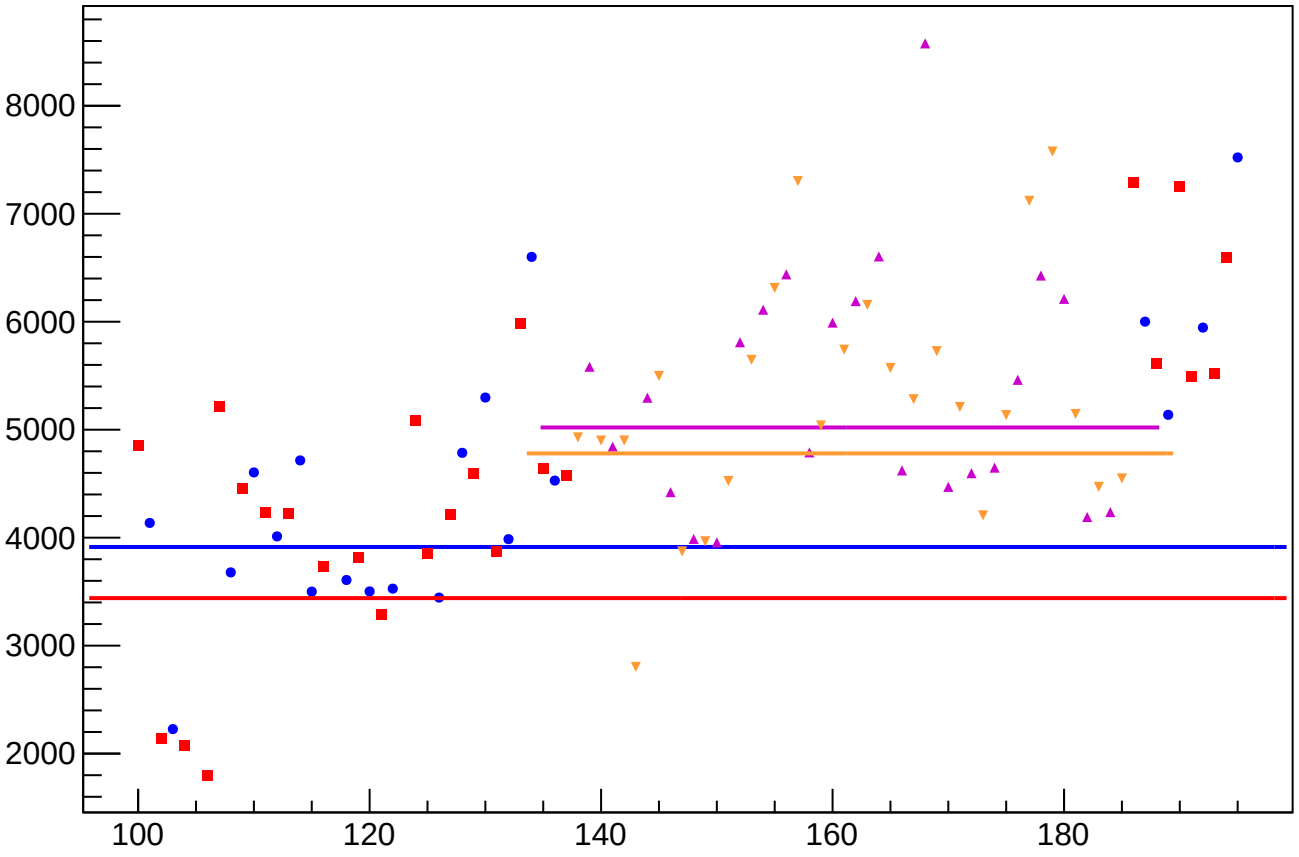
Right Out: 750.883+/-1124.698 χ^2/NDF: 30.2/24

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -718.367+/-854.779 χ^2/NDF: 48.6/44

All: -69.661+/-591.586 χ^2/NDF: 93.3/92

- sign 526.731+/-819.589 χ^2/NDF: 43.7/47



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: 3440.088+/-0.795 χ^2/NDF: 3433081.0/24

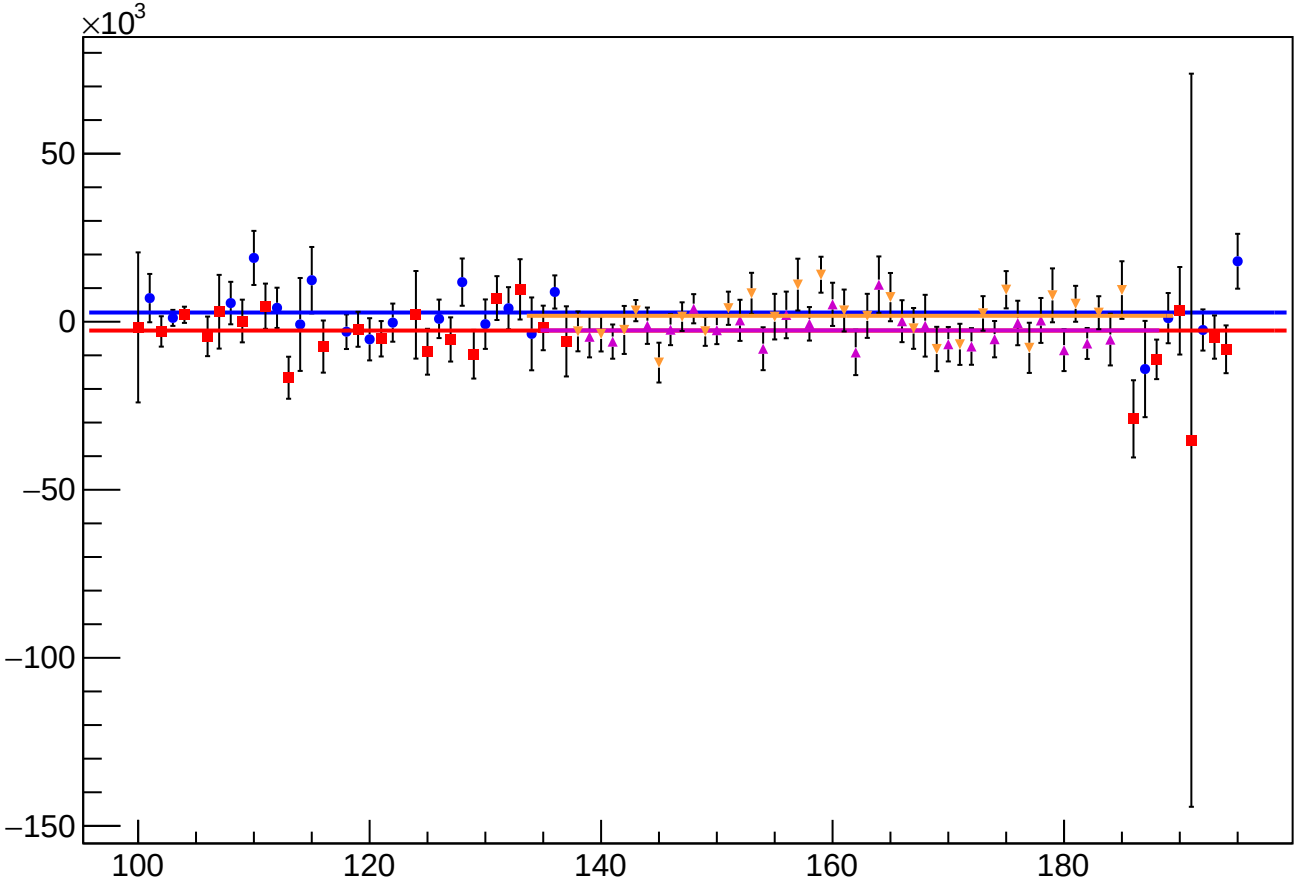
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4416.455+/-0.604 χ^2/NDF: 4266444.0/44

All: 4293.929+/-0.418 χ^2/NDF: 10855660.6/9

- sign 4181.284+/-0.580 χ^2/NDF: 6510342.3/47

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: -2625.310+/-1244.376 χ^2/NDF: 25.7/24

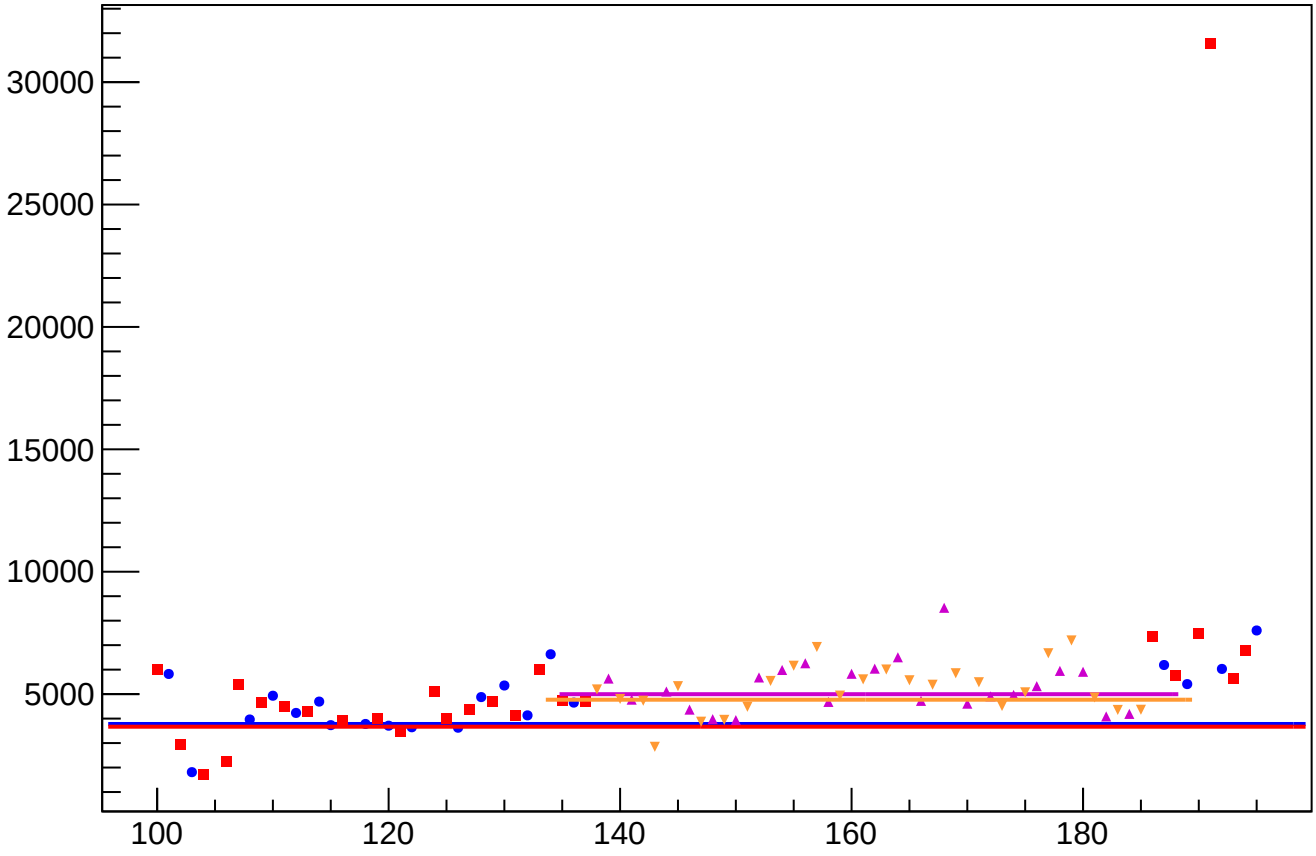
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2172.789+/-849.709 χ^2/NDF: 46.8/44

All: -187.188+/-604.250 χ^2/NDF: 101.4/92

- sign -2601.593+/-859.451 χ^2/NDF: 39.0/47

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

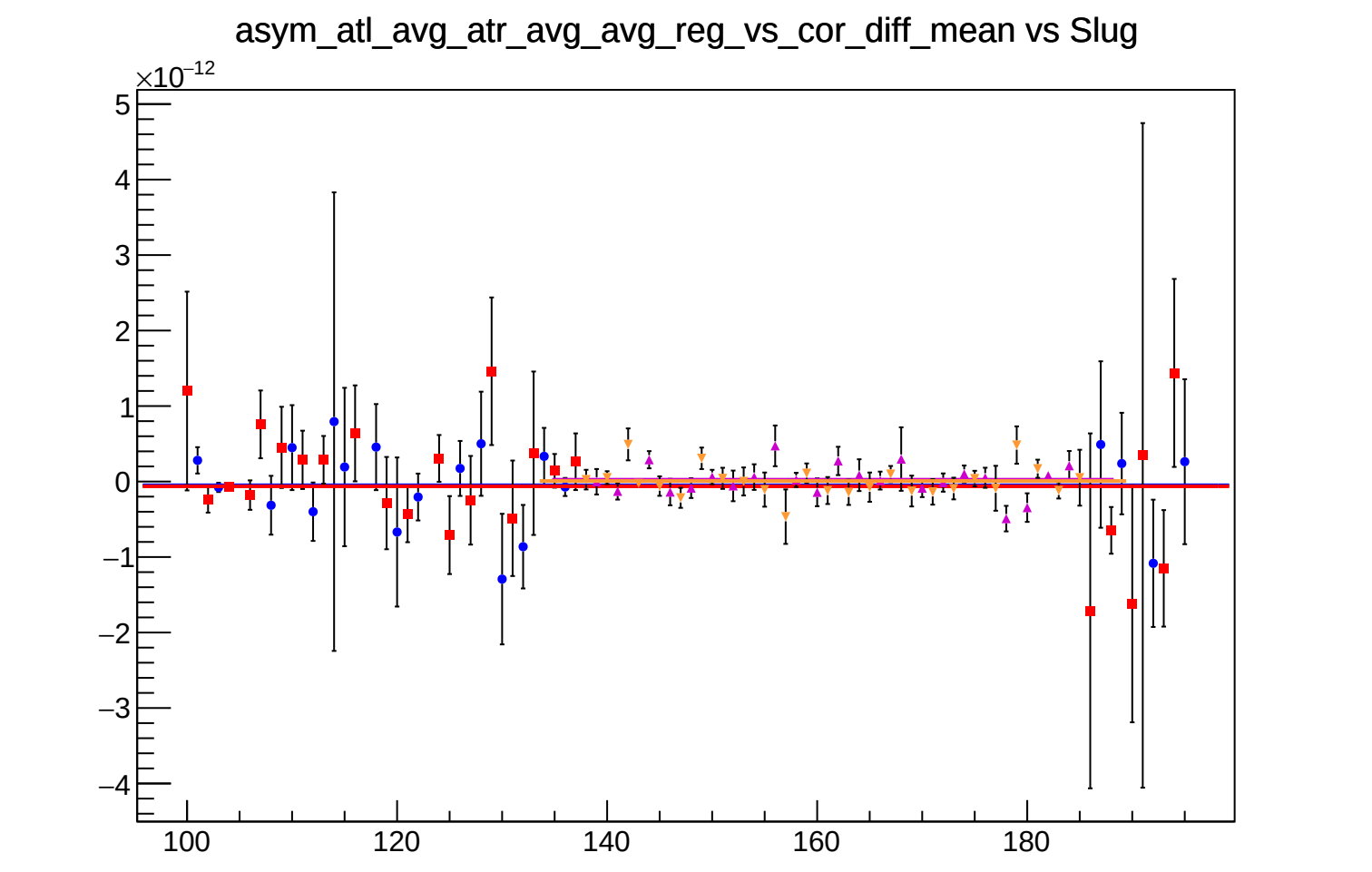
Right Out: 3668.471+/-0.869 χ^2/NDF: 3384609.4/24

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4354.118+/-0.601 χ^2/NDF: 5251503.4/44

All: 4354.654+/-0.426 χ^2/NDF: 10938589.0/9

- sign 4355.196+/-0.604 χ^2/NDF: 5687083.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

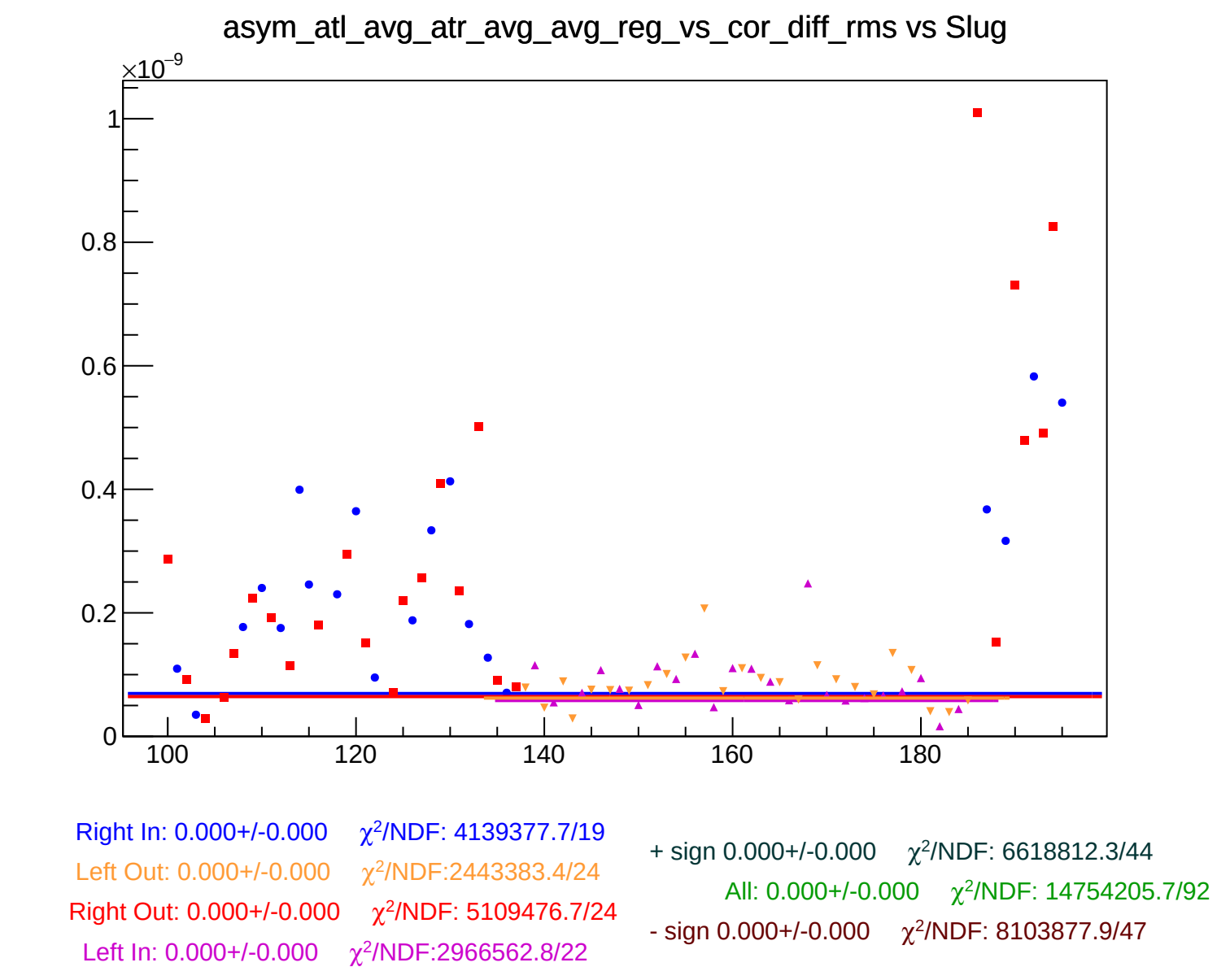
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/24

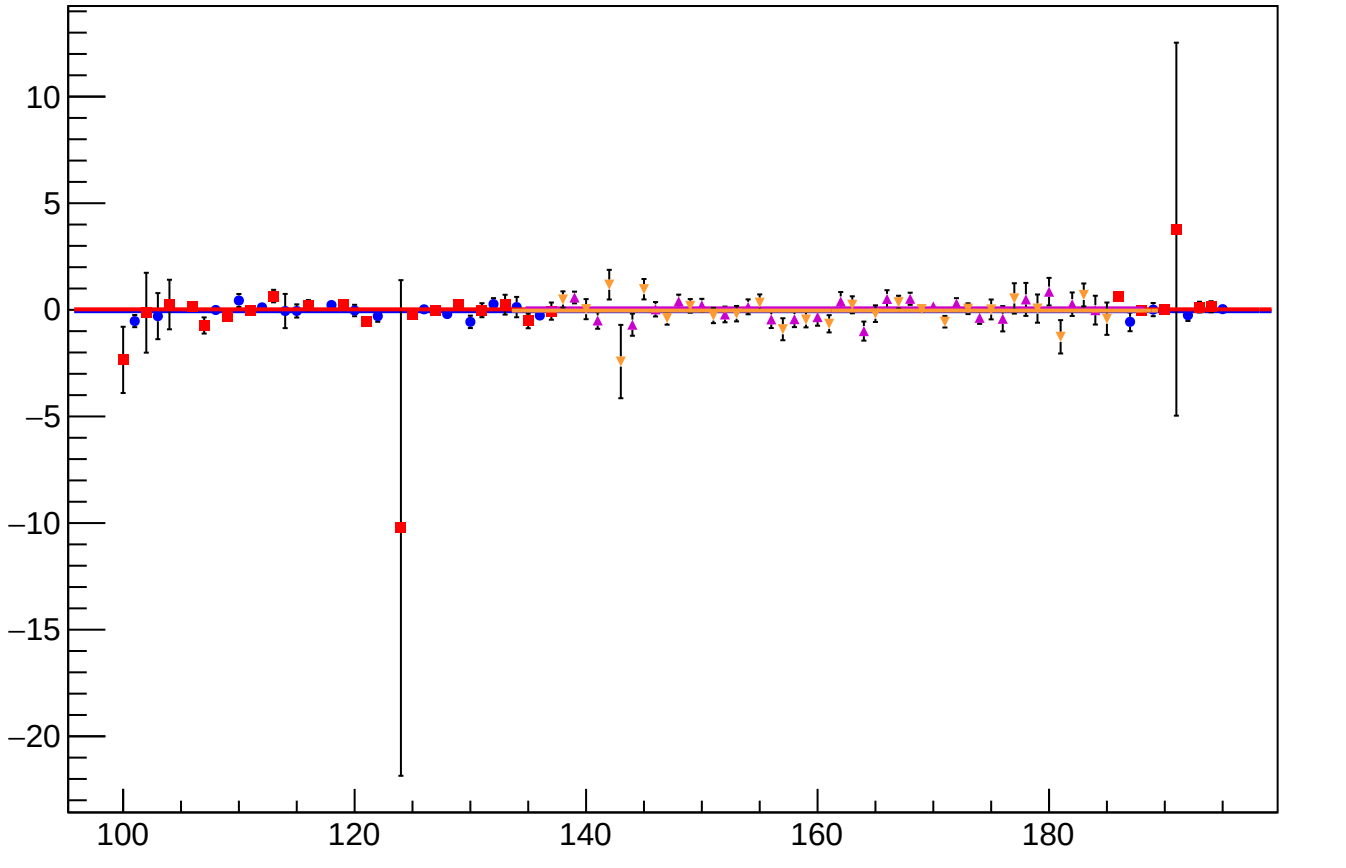
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/44

All: -0.000+/-0.000 χ^2/NDF: 105.5/92

- sign 0.000+/-0.000 χ^2/NDF: 61.5/47


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4139377.7/19
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5109476.7/24
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6618812.3/44
All: 0.000+/-0.000 χ²/NDF: 14754205.7/92
- sign 0.000+/-0.000 χ²/NDF: 8103877.9/47



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

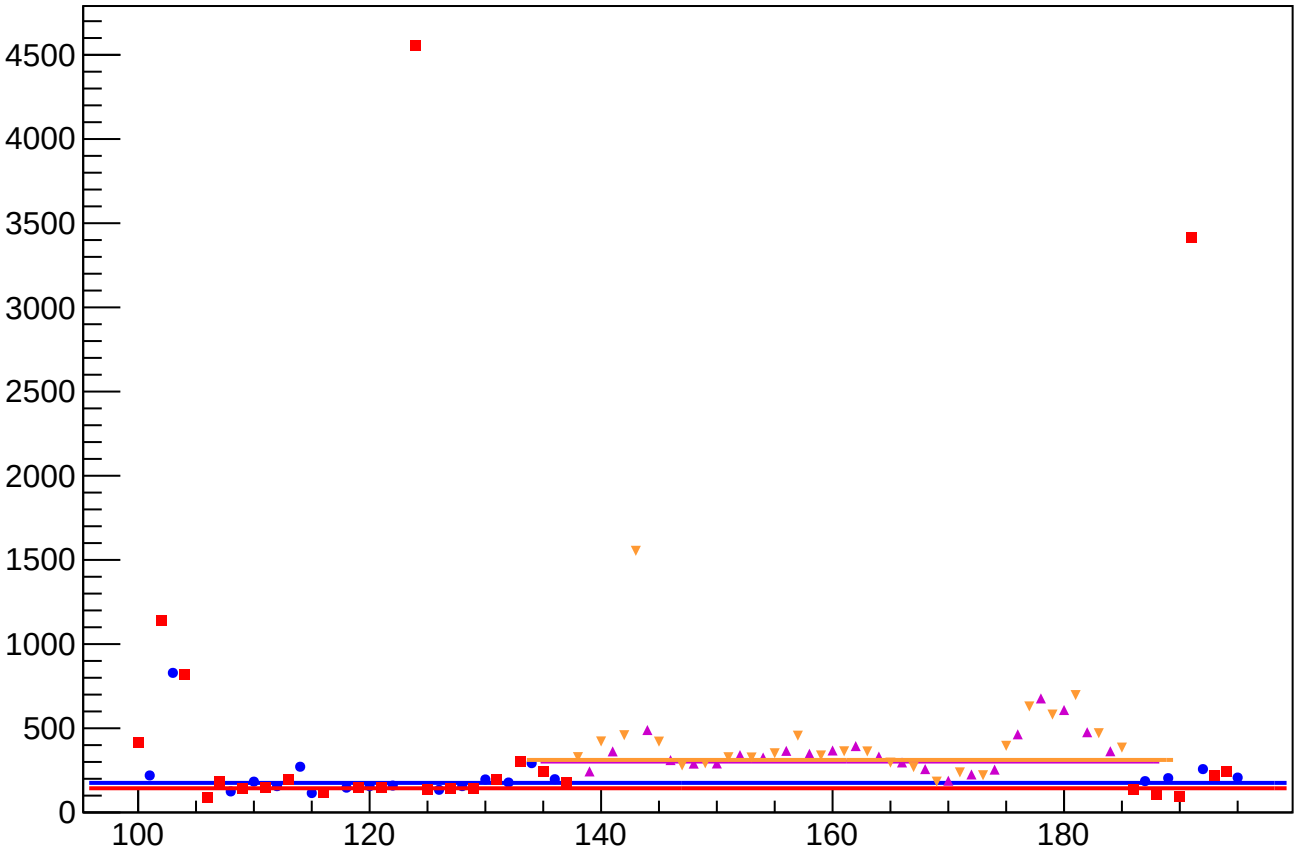
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

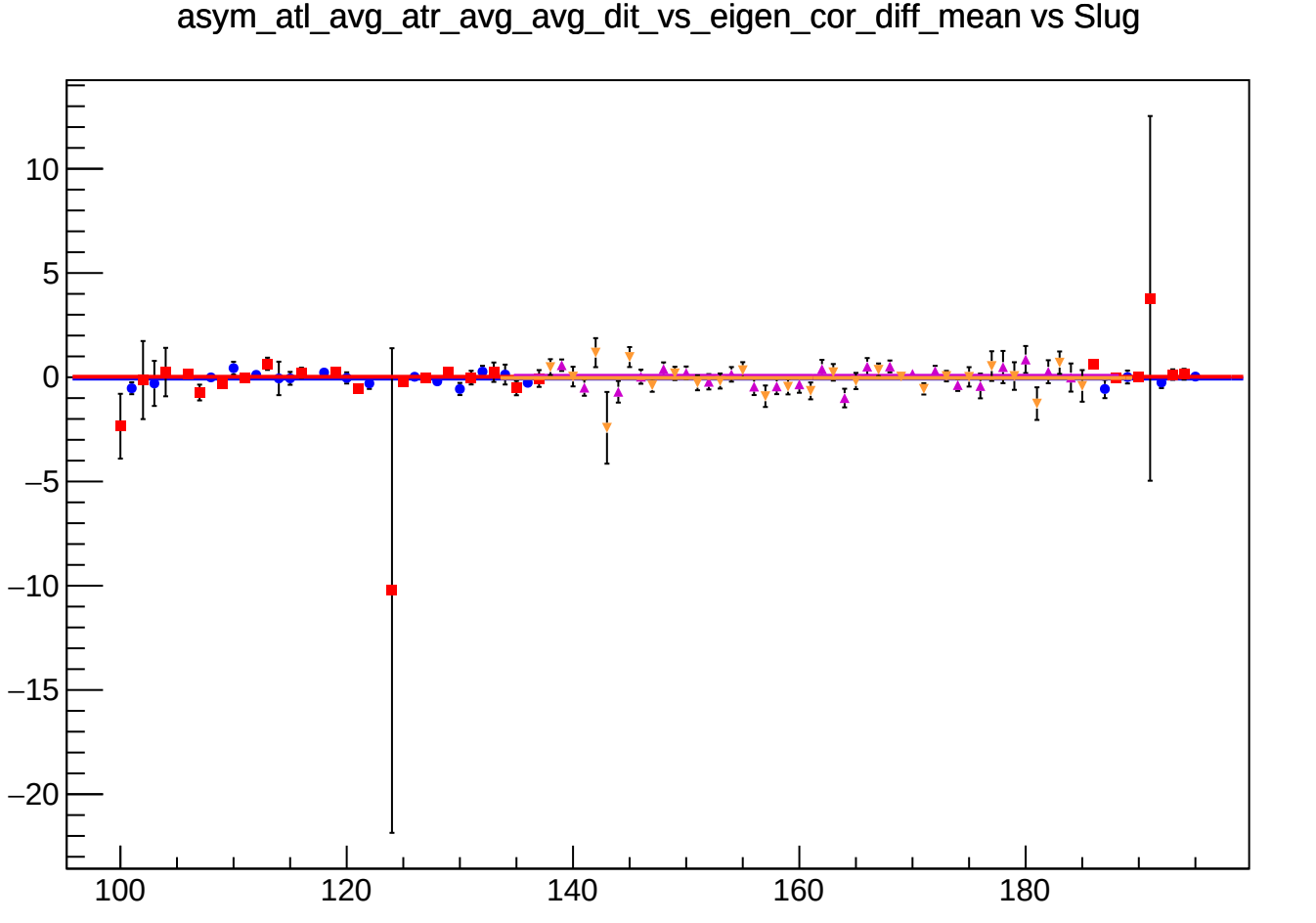
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.001+/-0.031 χ^2/NDF: 117.5/92

- sign 0.037+/-0.041 χ^2/NDF: 65.9/47


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 175.630+/-0.043 χ²/NDF: 1563740.0/19
Left Out: 311.961+/-0.054 χ²/NDF:4350162.2/24
Right Out: 143.651+/-0.035 χ²/NDF: 3514054.7/24
Left In: 302.375+/-0.053 χ²/NDF:2808730.8/22
+ sign 227.992+/-0.034 χ²/NDF: 9808358.7/44
All: 207.728+/-0.022 χ²/NDF: 23001288.5/92
- sign 192.299+/-0.029 χ²/NDF: 12552284.3/47



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

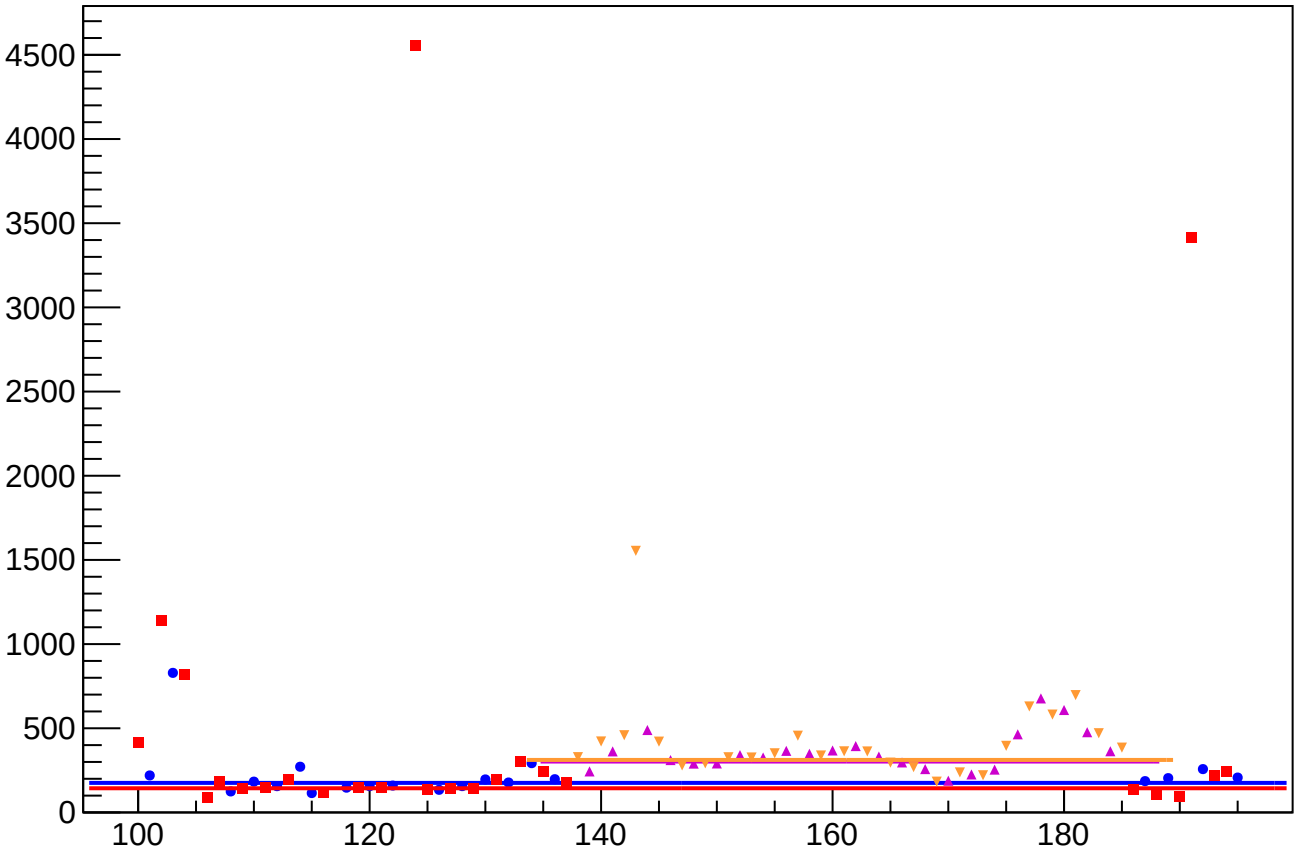
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.001+/-0.031 χ^2/NDF: 117.5/92

- sign 0.037+/-0.041 χ^2/NDF: 65.9/47



Right In: 175.630+/-0.043 χ^2/NDF: 1563740.0/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

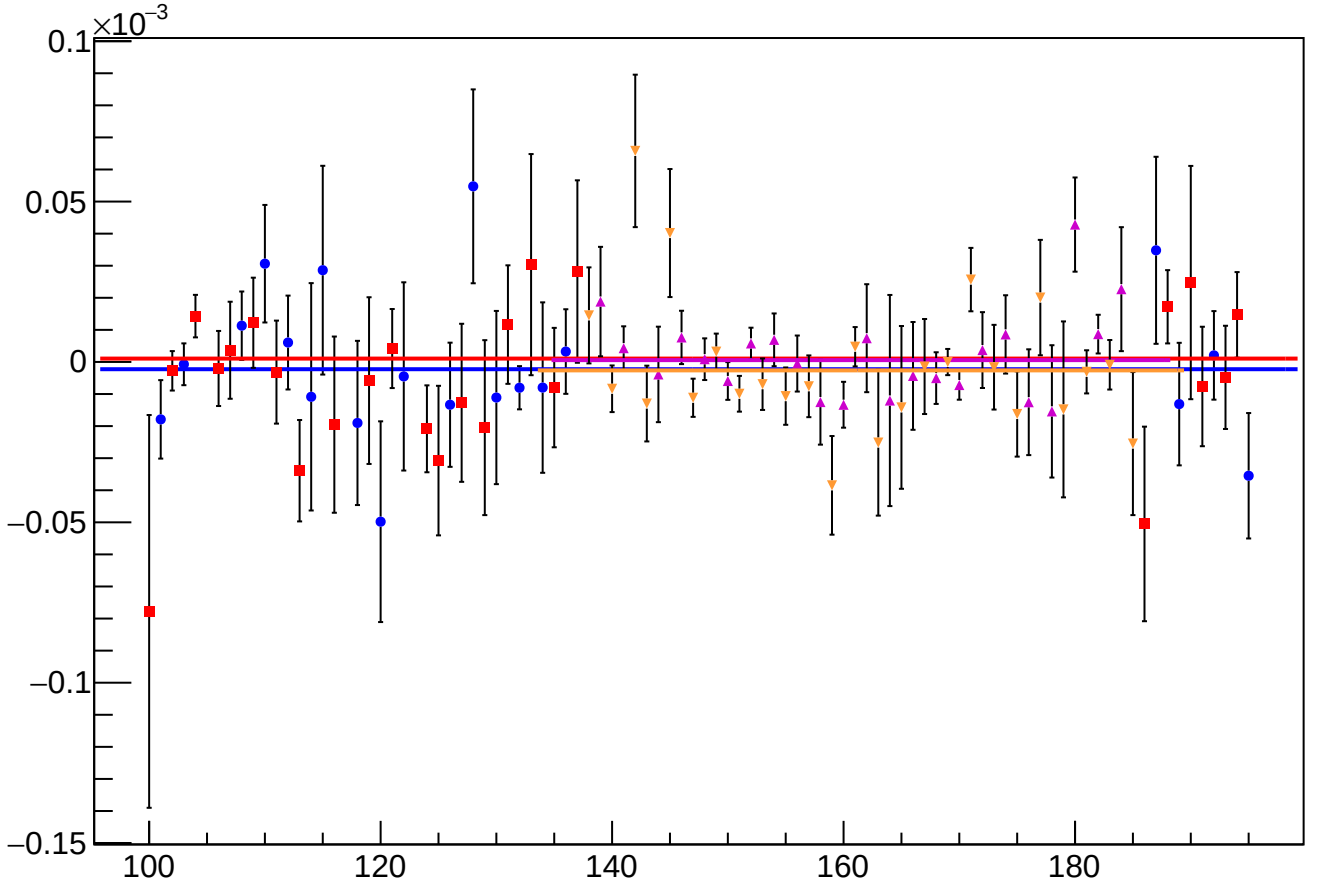
Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.992+/-0.034 χ^2/NDF: 9808358.7/44

All: 207.728+/-0.022 χ^2/NDF: 23001288.5/92

- sign 192.299+/-0.029 χ^2/NDF: 12552284.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

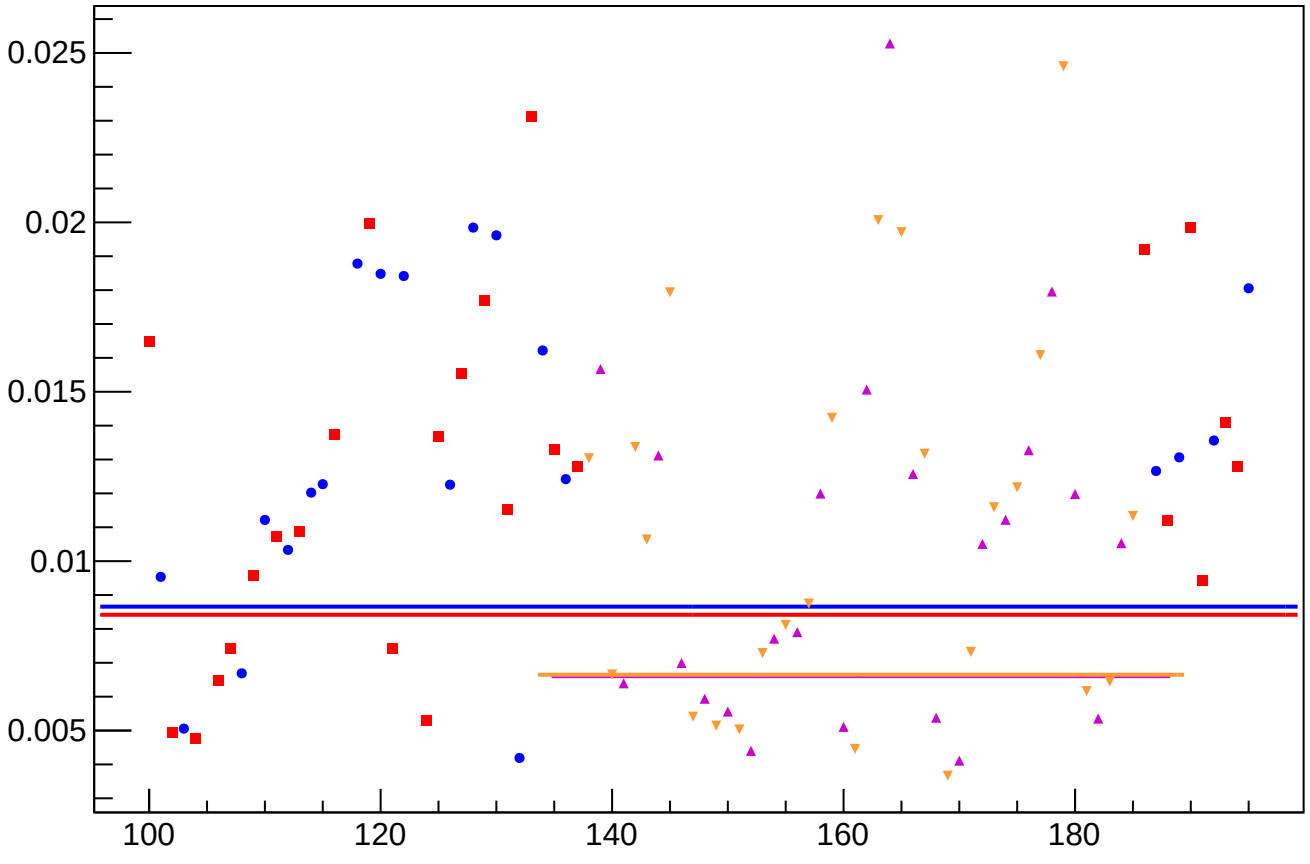
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/24

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: 118.8/92

- sign 0.000+/-0.000 χ^2/NDF: 53.6/47



Right In: 0.009+/-0.000 χ^2/NDF: 4264338.7/19

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

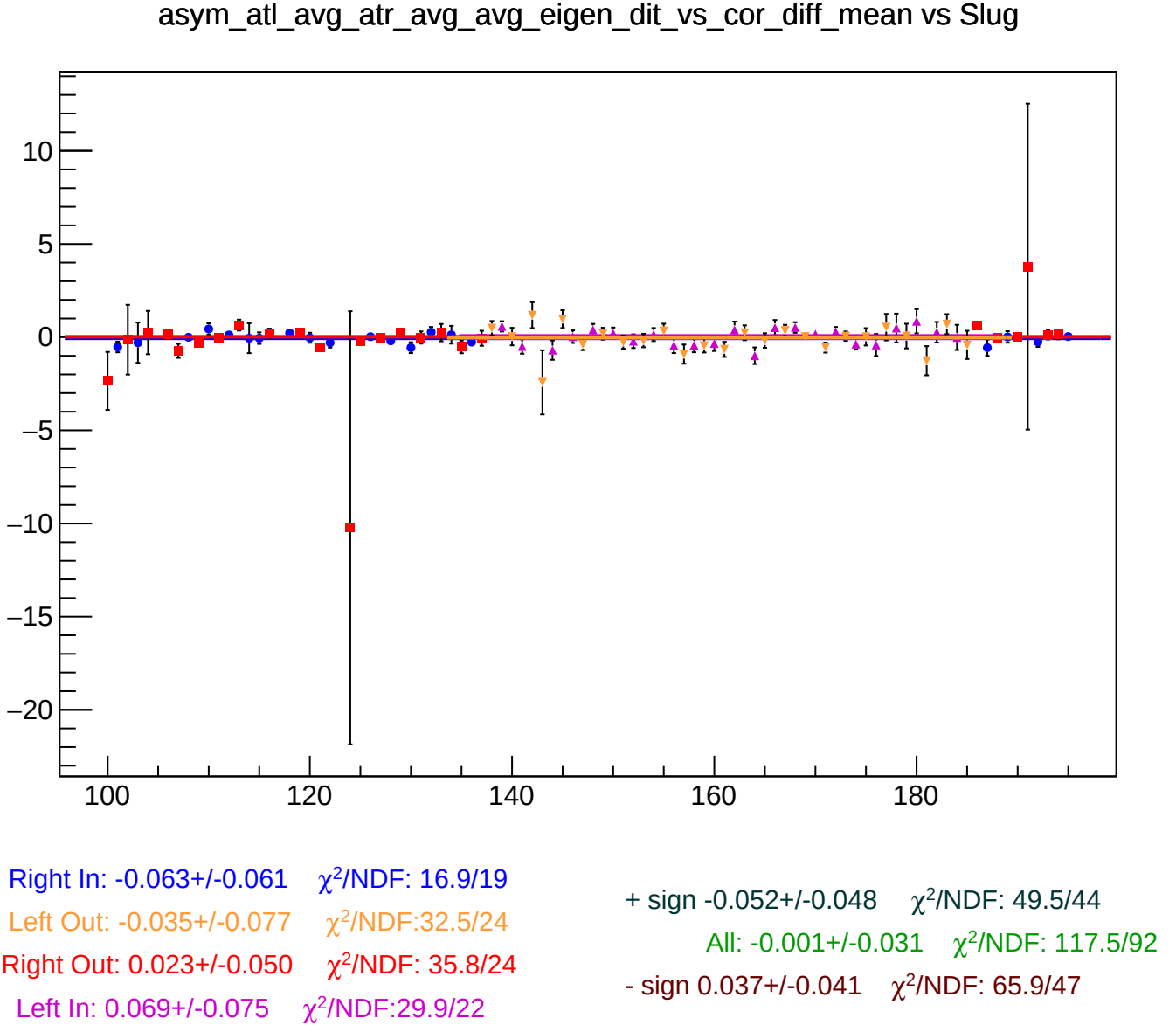
Right Out: 0.008+/-0.000 χ^2/NDF: 4176718.9/24

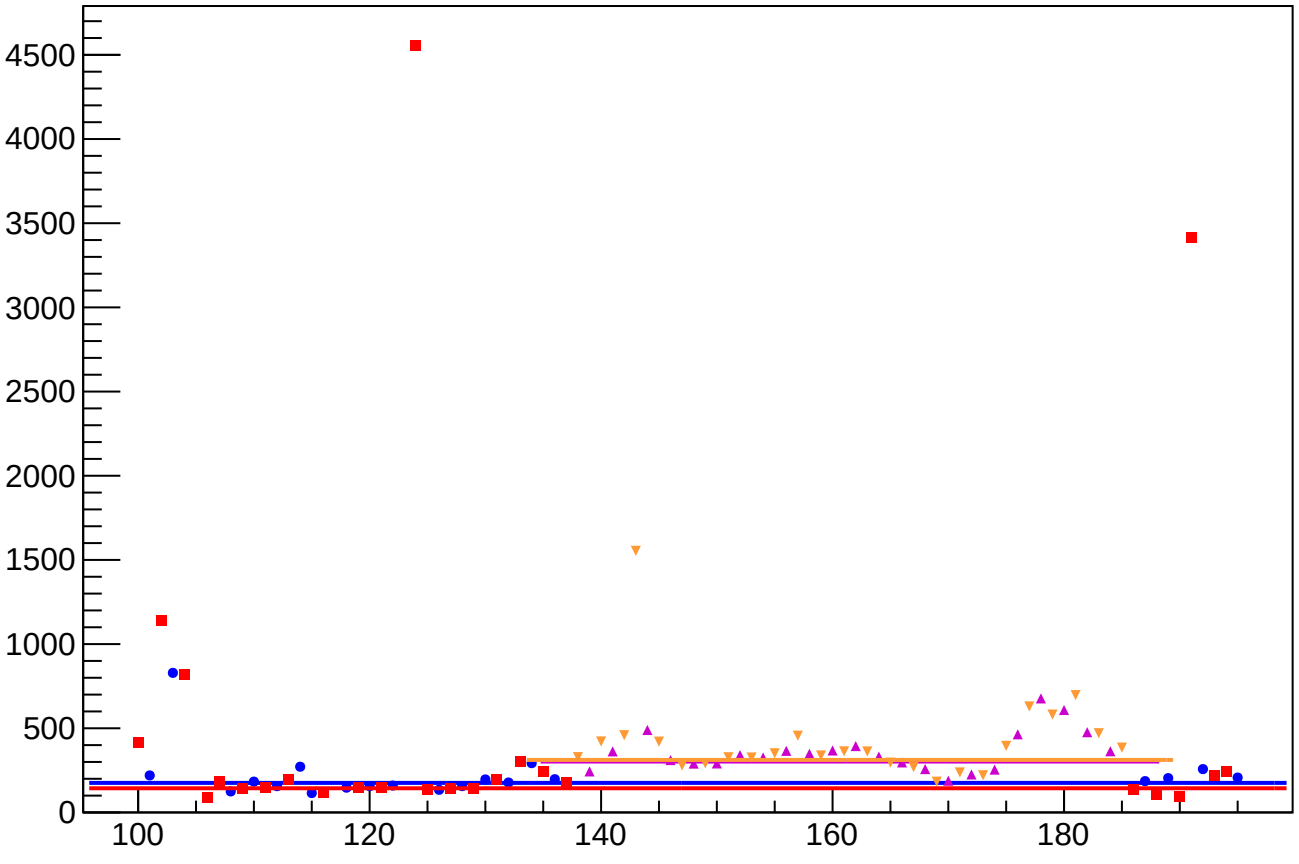
Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12390548.1/44

All: 0.007+/-0.000 χ^2/NDF: 23006444.4/92

- sign 0.007+/-0.000 χ^2/NDF: 10615877.9/47


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
Right In: -0.063+/-0.061 χ²/NDF: 16.9/19
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: 0.023+/-0.050 χ²/NDF: 35.8/24
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.052+/-0.048 χ²/NDF: 49.5/44
All: -0.001+/-0.031 χ²/NDF: 117.5/92
- sign 0.037+/-0.041 χ²/NDF: 65.9/47



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: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

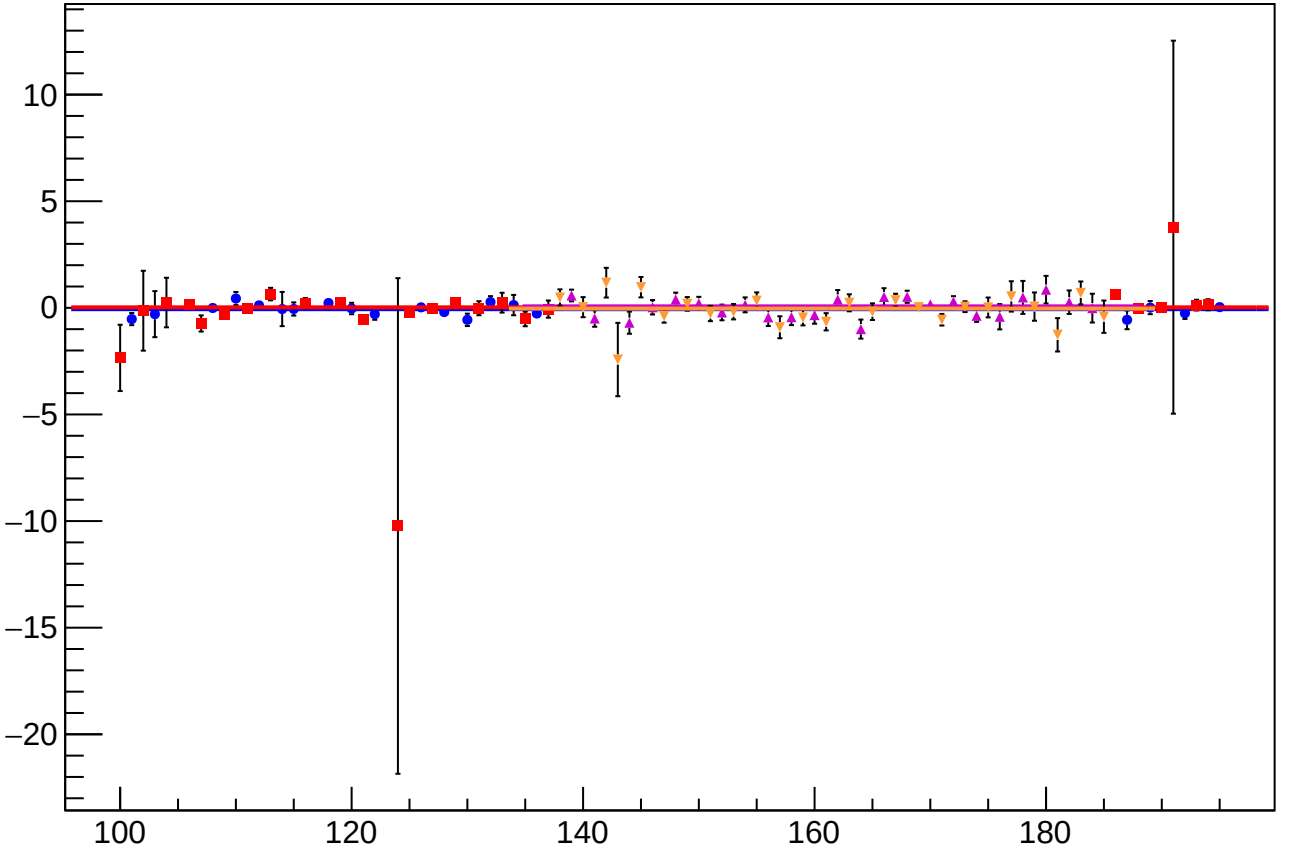
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.991+/-0.034 χ^2/NDF: 9808600.4/44

All: 207.726+/-0.022 χ^2/NDF: 23002294.3/92

- sign 192.295+/-0.029 χ^2/NDF: 12552935.5/47

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

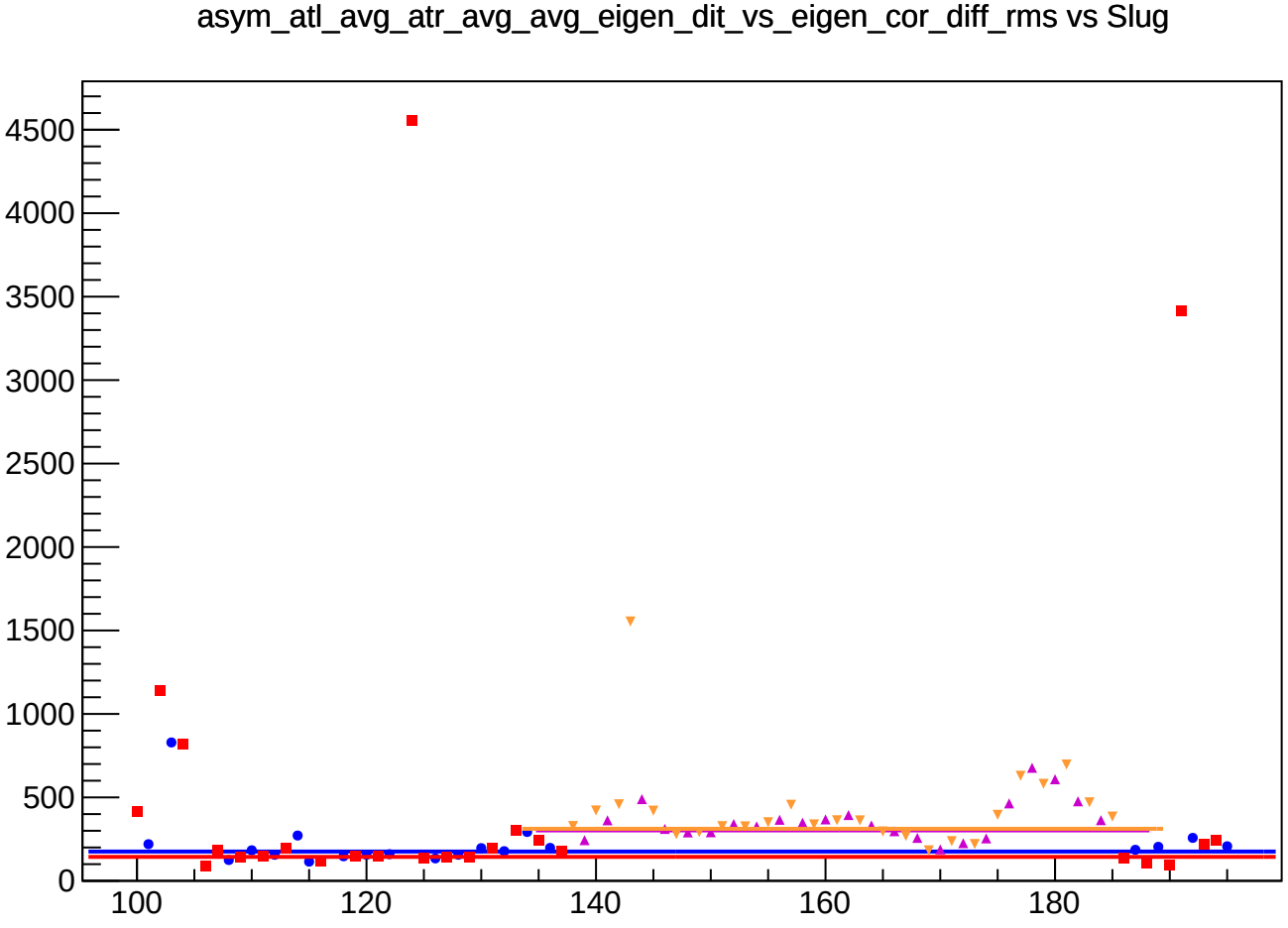
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.048 χ^2/NDF: 49.5/44

All: -0.001+/-0.031 χ^2/NDF: 117.5/92

- sign 0.037+/-0.041 χ^2/NDF: 65.9/47



Right In: 175.629+/-0.043 χ^2/NDF: 1563735.6/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

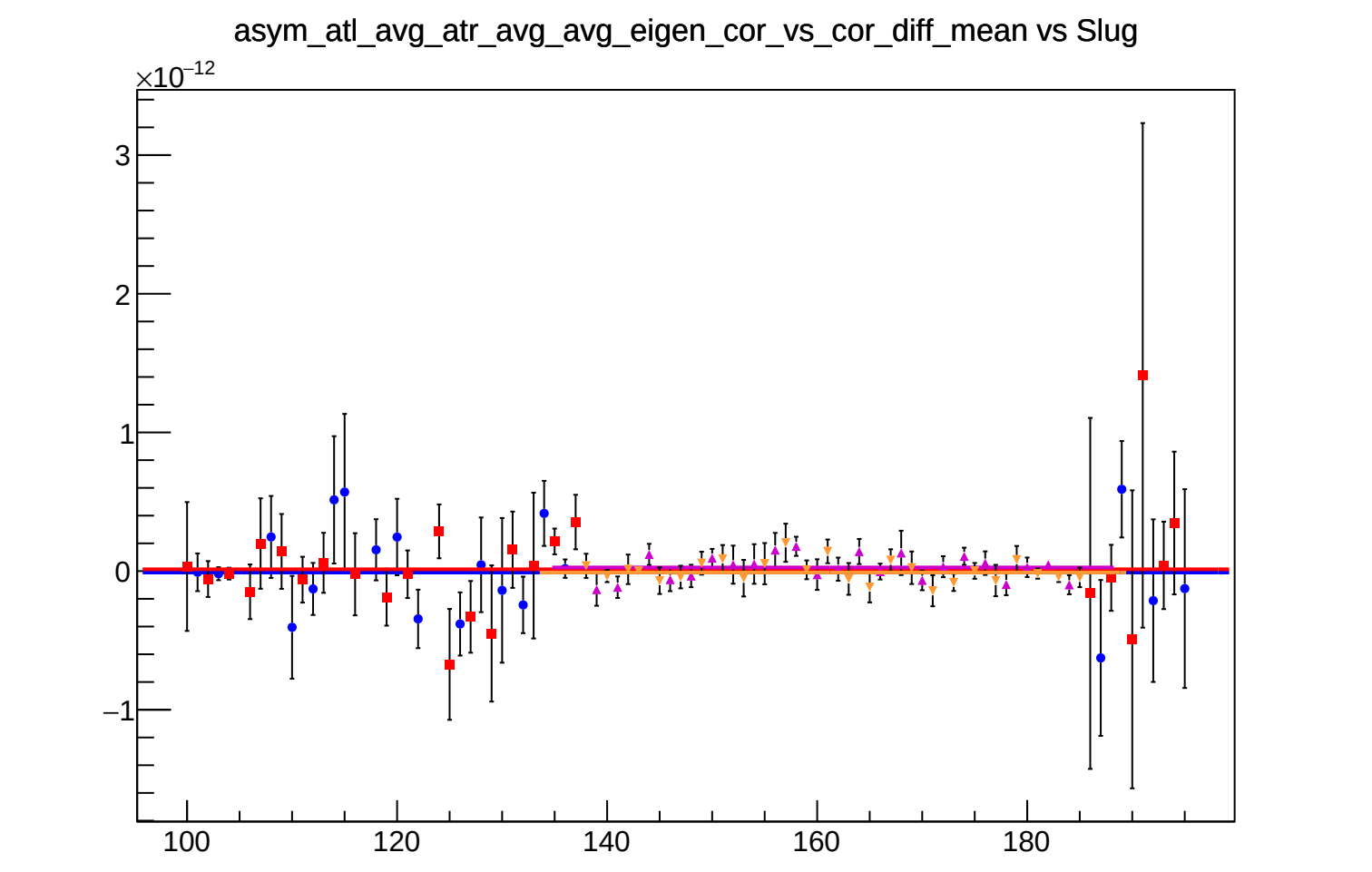
Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.991+/-0.034 χ^2/NDF: 9808600.4/44

All: 207.726+/-0.022 χ^2/NDF: 23002294.3/92

- sign 192.295+/-0.029 χ^2/NDF: 12552935.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

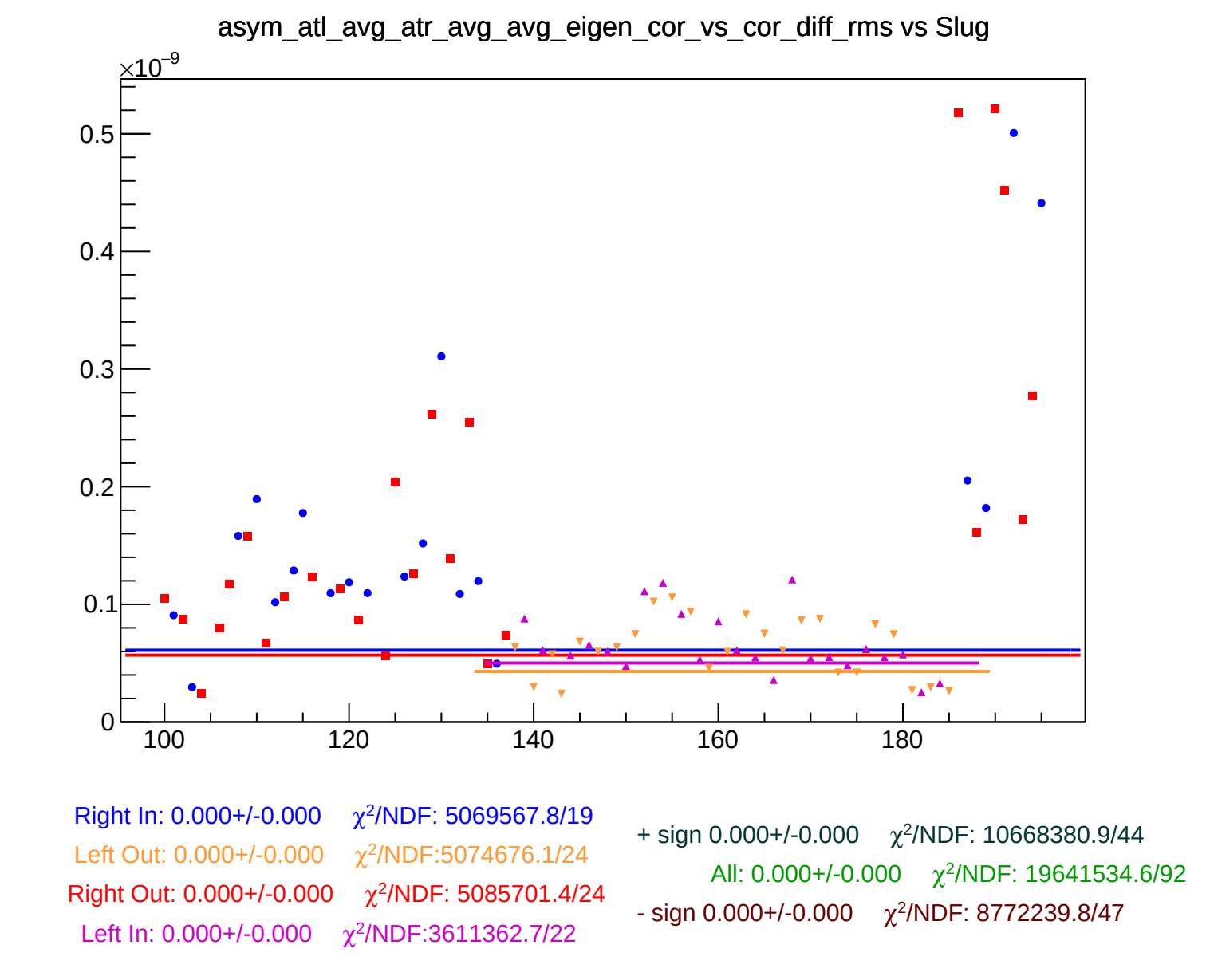
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/24

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

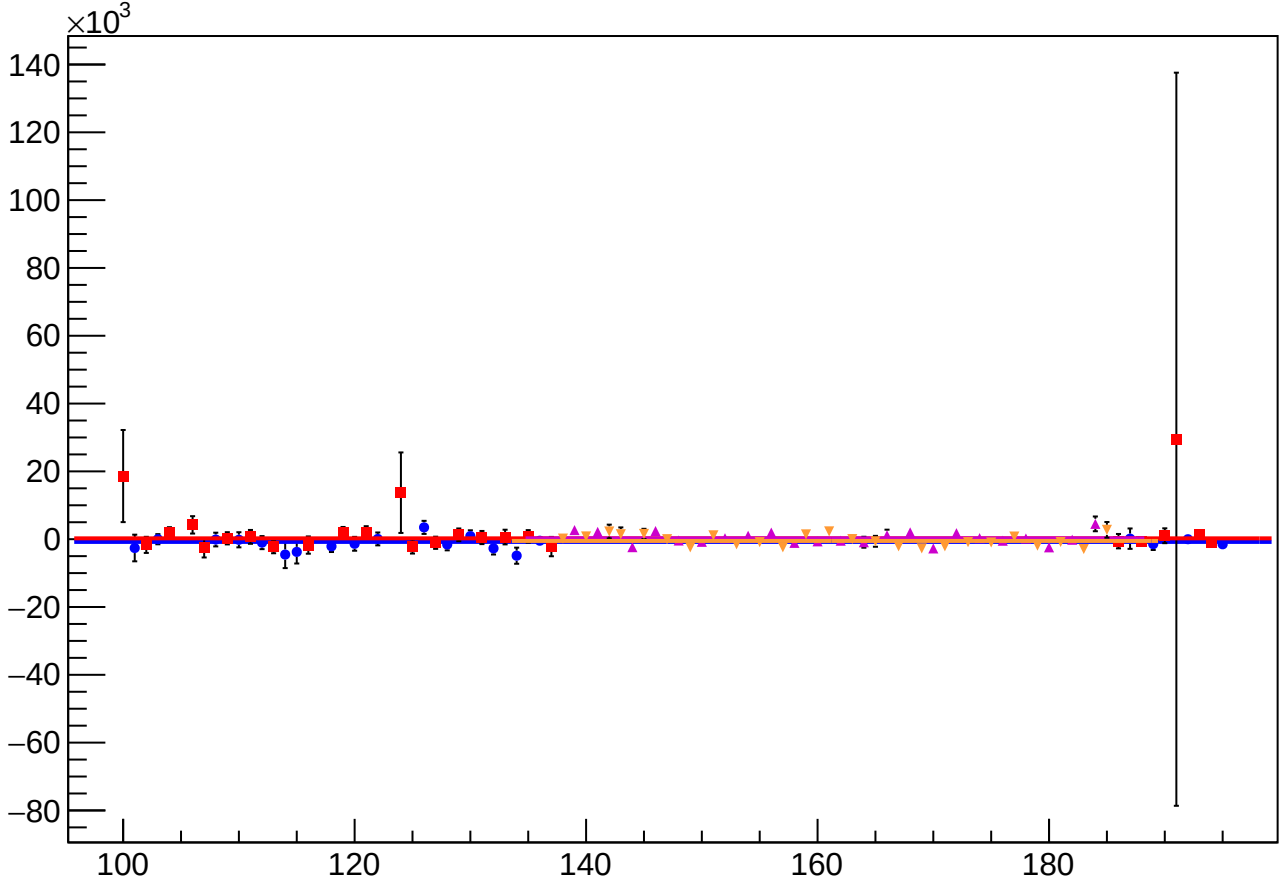
+ sign -0.000+/-0.000 χ^2/NDF: 36.7/44

All: 0.000+/-0.000 χ^2/NDF: 87.9/92

- sign 0.000+/-0.000 χ^2/NDF: 47.9/47


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
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: 5085701.4/24
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: 19641534.6/92
- sign 0.000+/-0.000 χ²/NDF: 8772239.8/47

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: 247.383+/-400.655 χ^2/NDF: 17.8/24

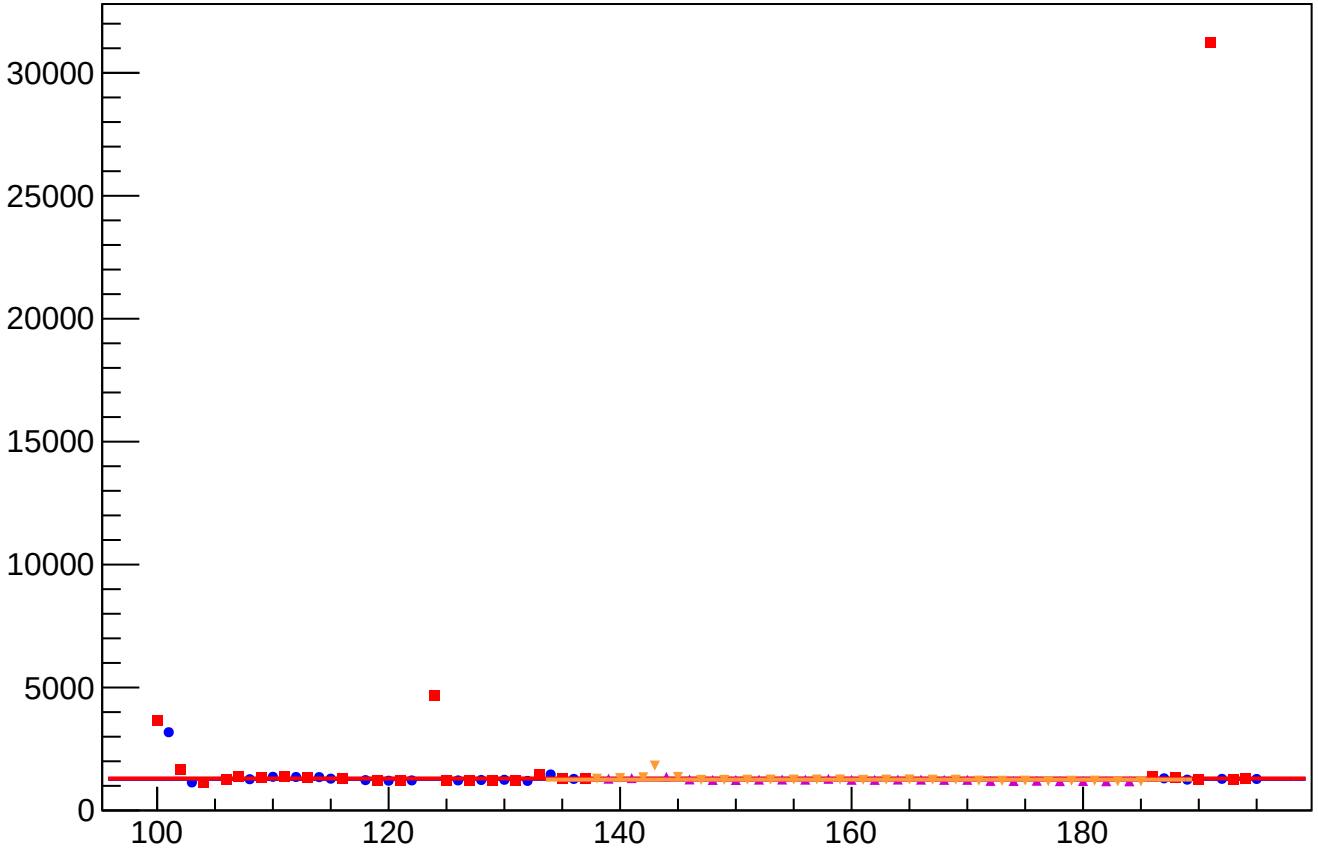
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -607.121+/-235.634 χ^2/NDF: 45.5/44

All: -181.232+/-166.584 χ^2/NDF: 101.9/92

- sign 244.309+/-235.538 χ^2/NDF: 49.8/47

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

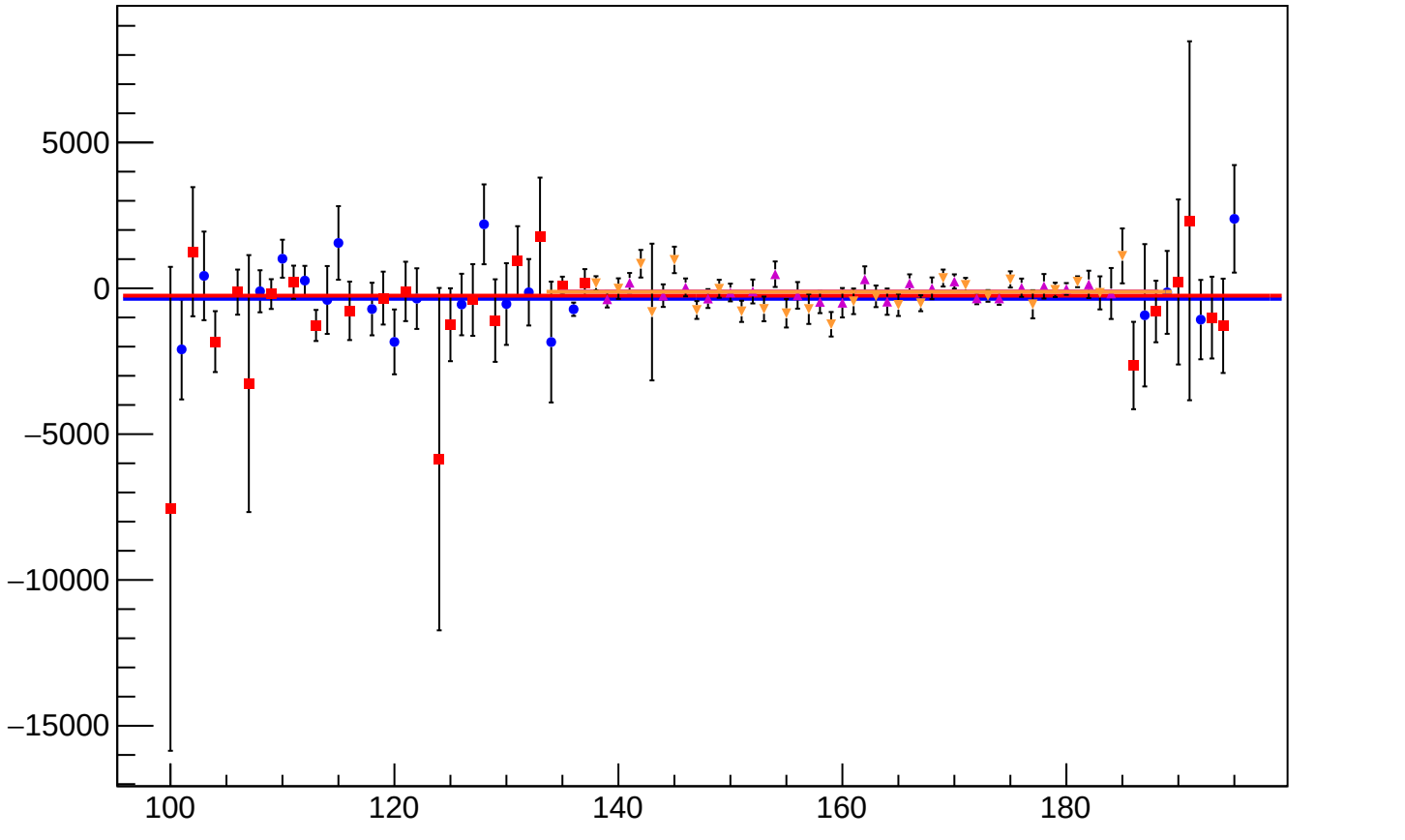
Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728443.7/44

All: 1264.630+/-0.118 χ^2/NDF: 1280316.4/92

- sign 1264.613+/-0.167 χ^2/NDF: 551872.7/47



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: -252.395+/-164.040 χ^2/NDF: 18.5/24

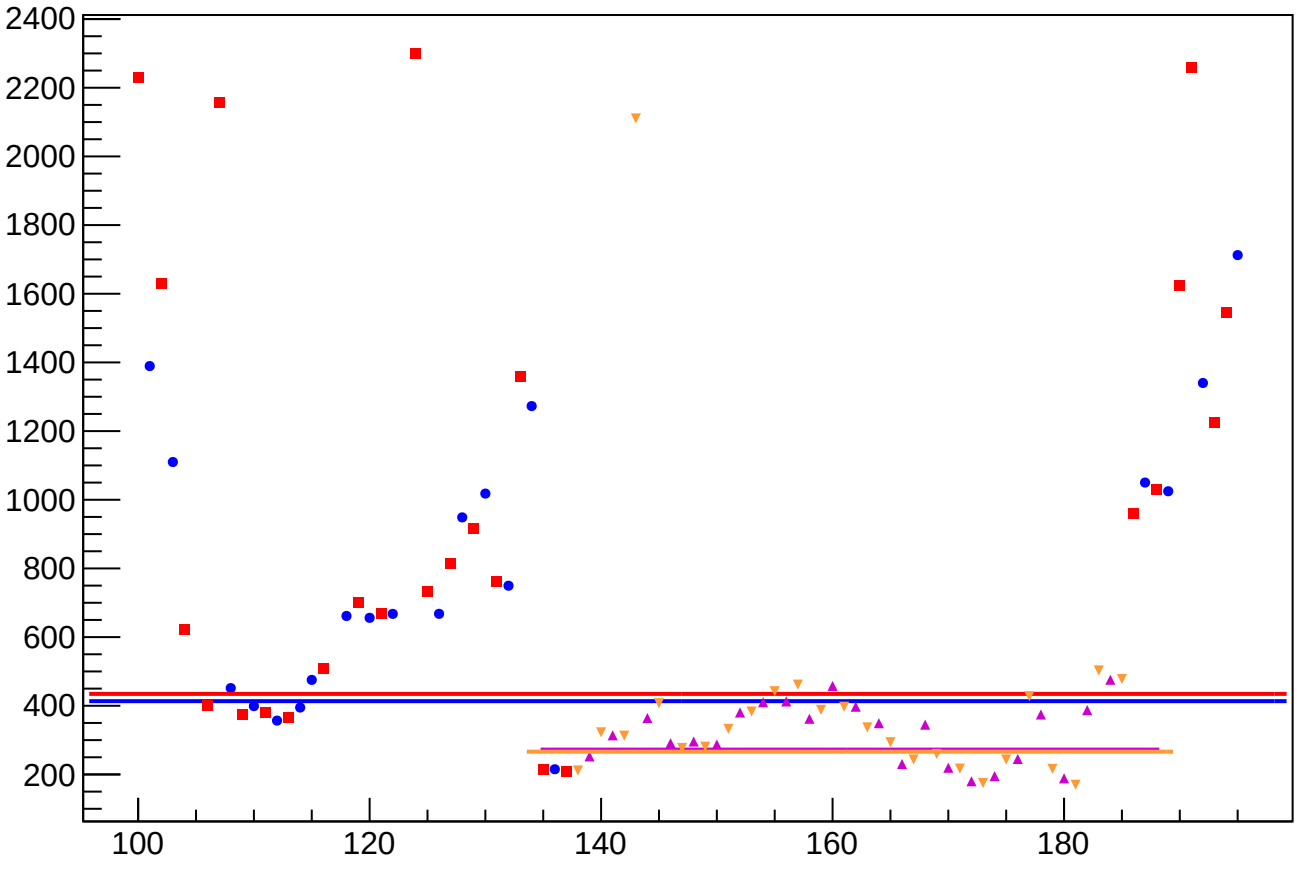
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -149.805+/-60.512 χ^2/NDF: 71.0/44

All: -139.211+/-43.314 χ^2/NDF: 104.0/92

- sign -128.080+/-62.027 χ^2/NDF: 32.9/47

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

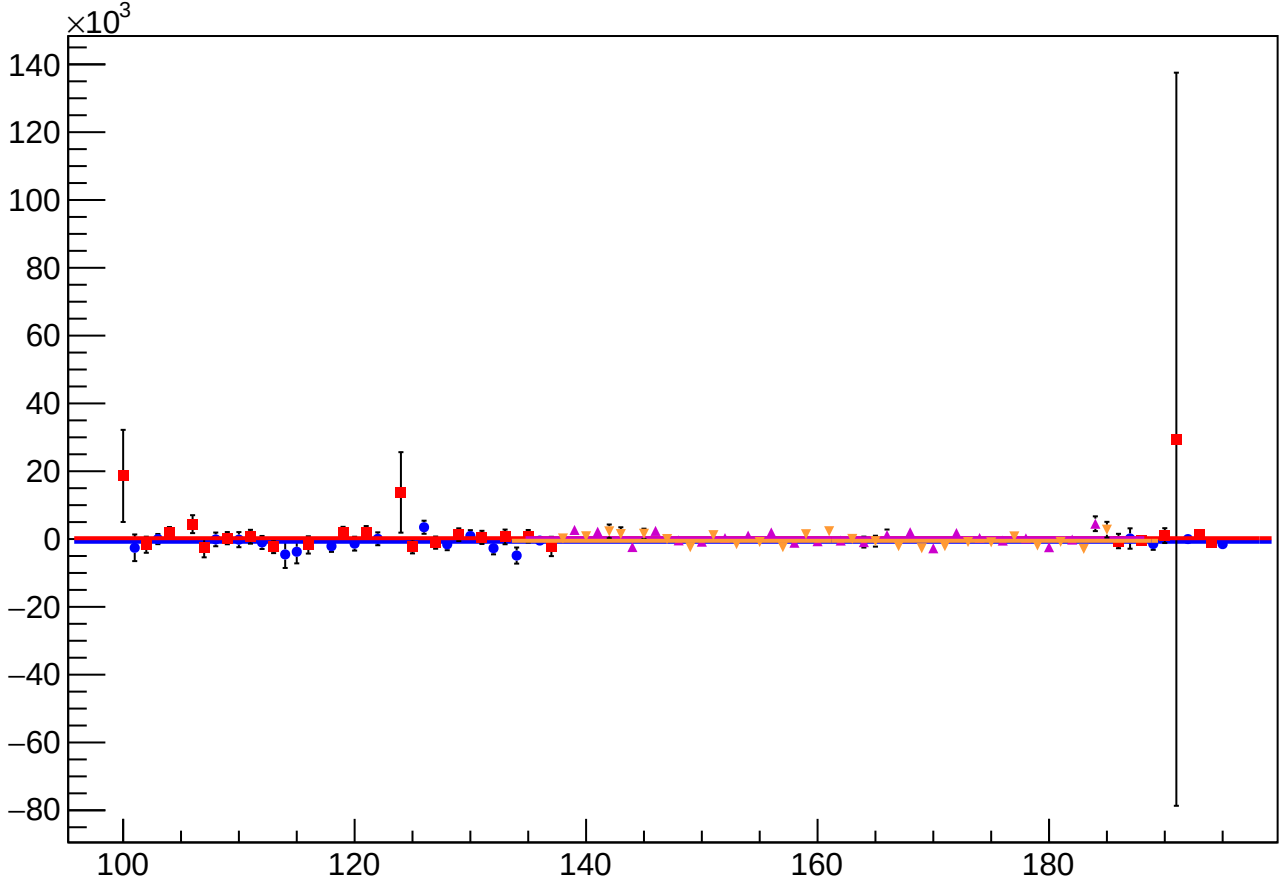
Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 286.168+/-0.043 χ^2/NDF: 12720303.0/44

All: 290.752+/-0.031 χ^2/NDF: 24540916.1/92

- sign 295.568+/-0.044 χ^2/NDF: 11797075.8/47



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: 245.473+/-400.948 χ^2/NDF: 17.9/24

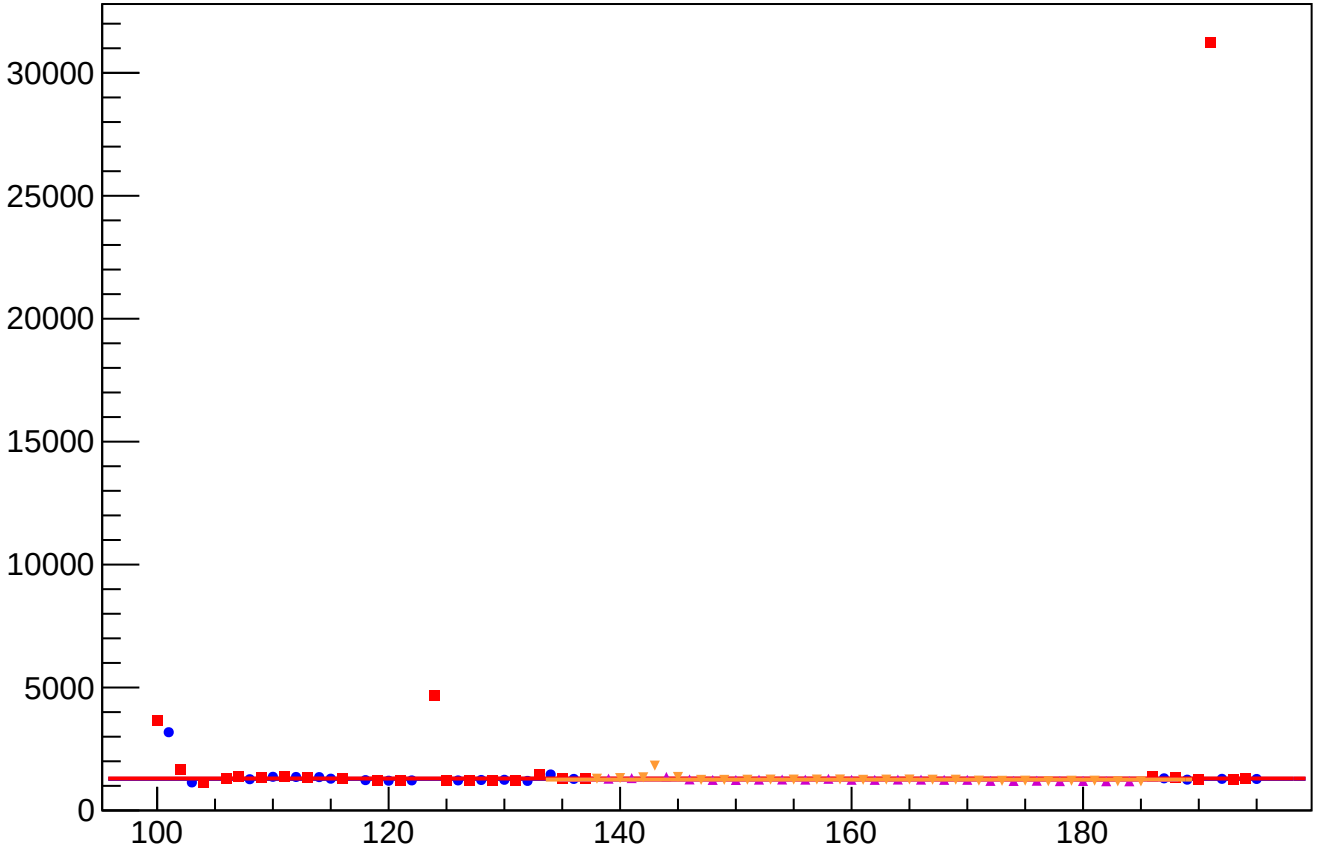
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -181.620+/-166.605 χ^2/NDF: 102.0/92

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

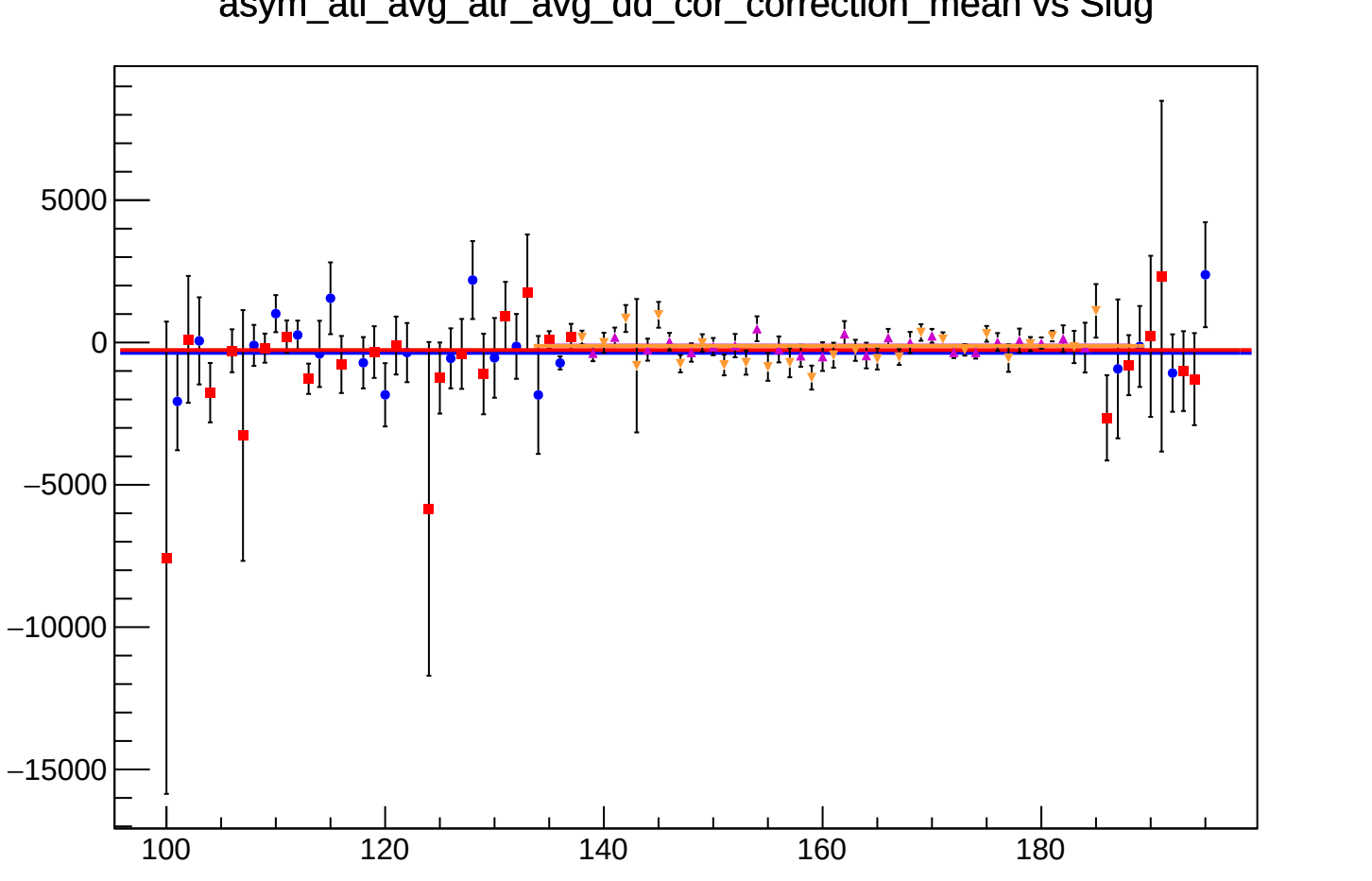
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



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: -264.609+/-163.861 χ^2/NDF: 17.9/24

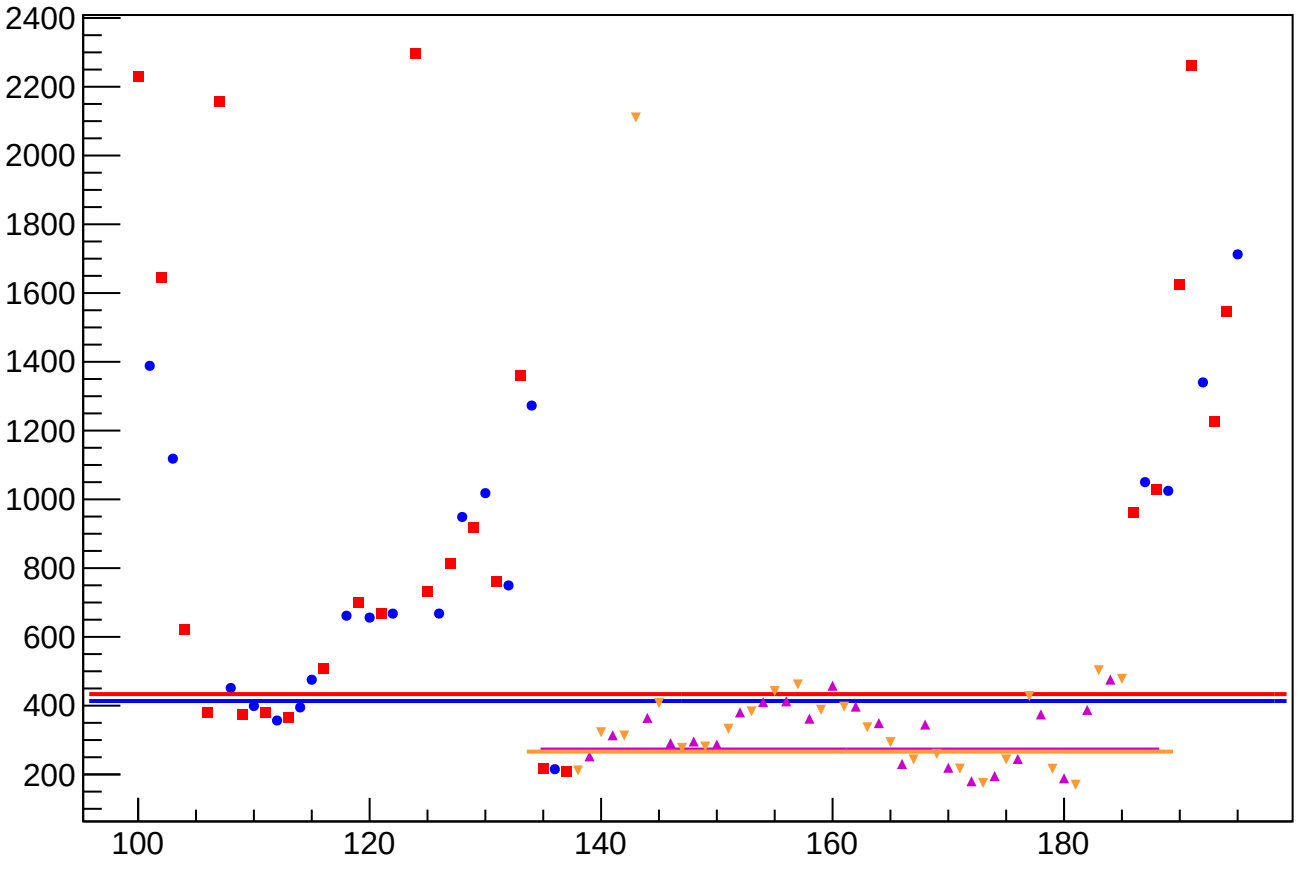
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.412+/-43.312 χ^2/NDF: 103.3/92

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47

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

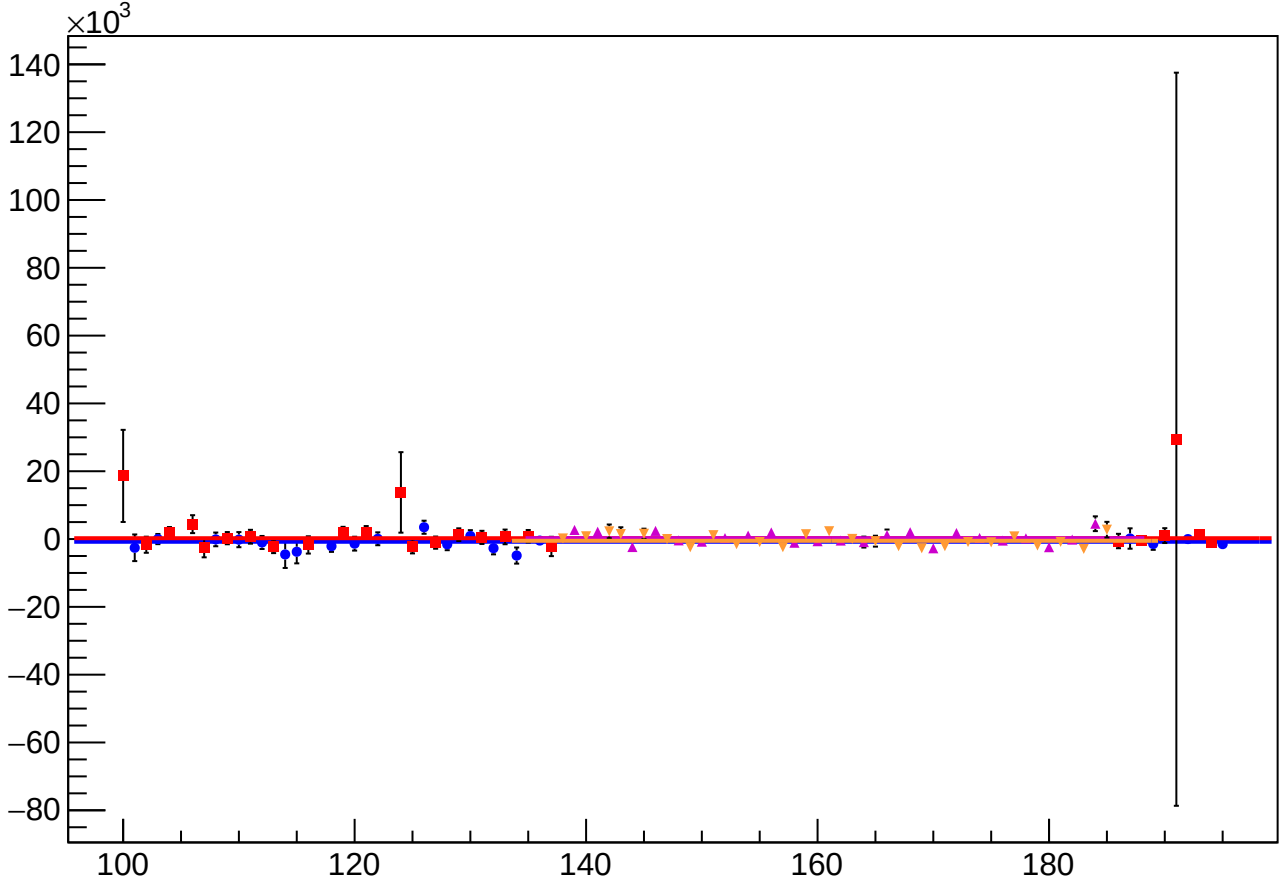
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



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: 245.473+/-400.948 χ^2/NDF: 17.9/24

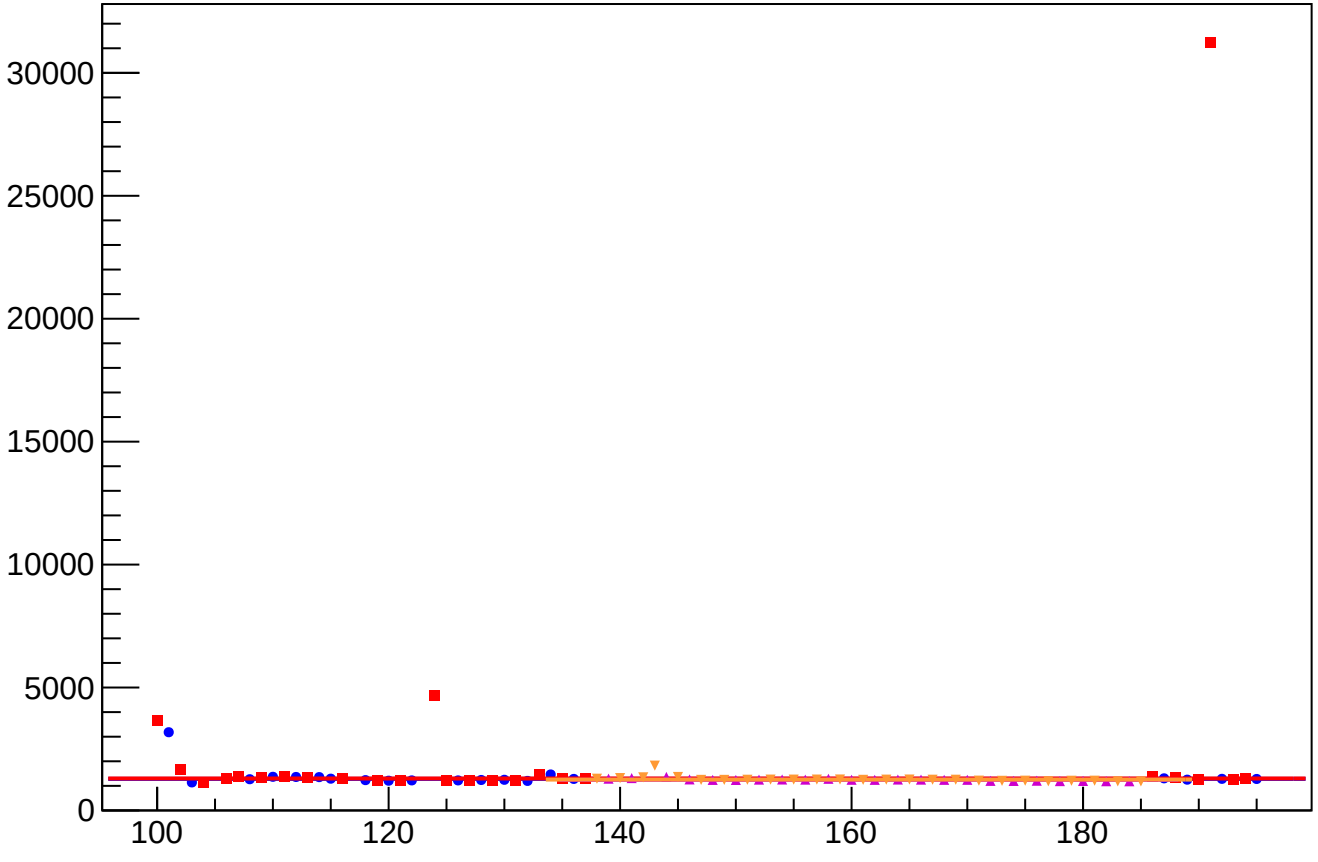
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -181.620+/-166.605 χ^2/NDF: 102.0/92

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

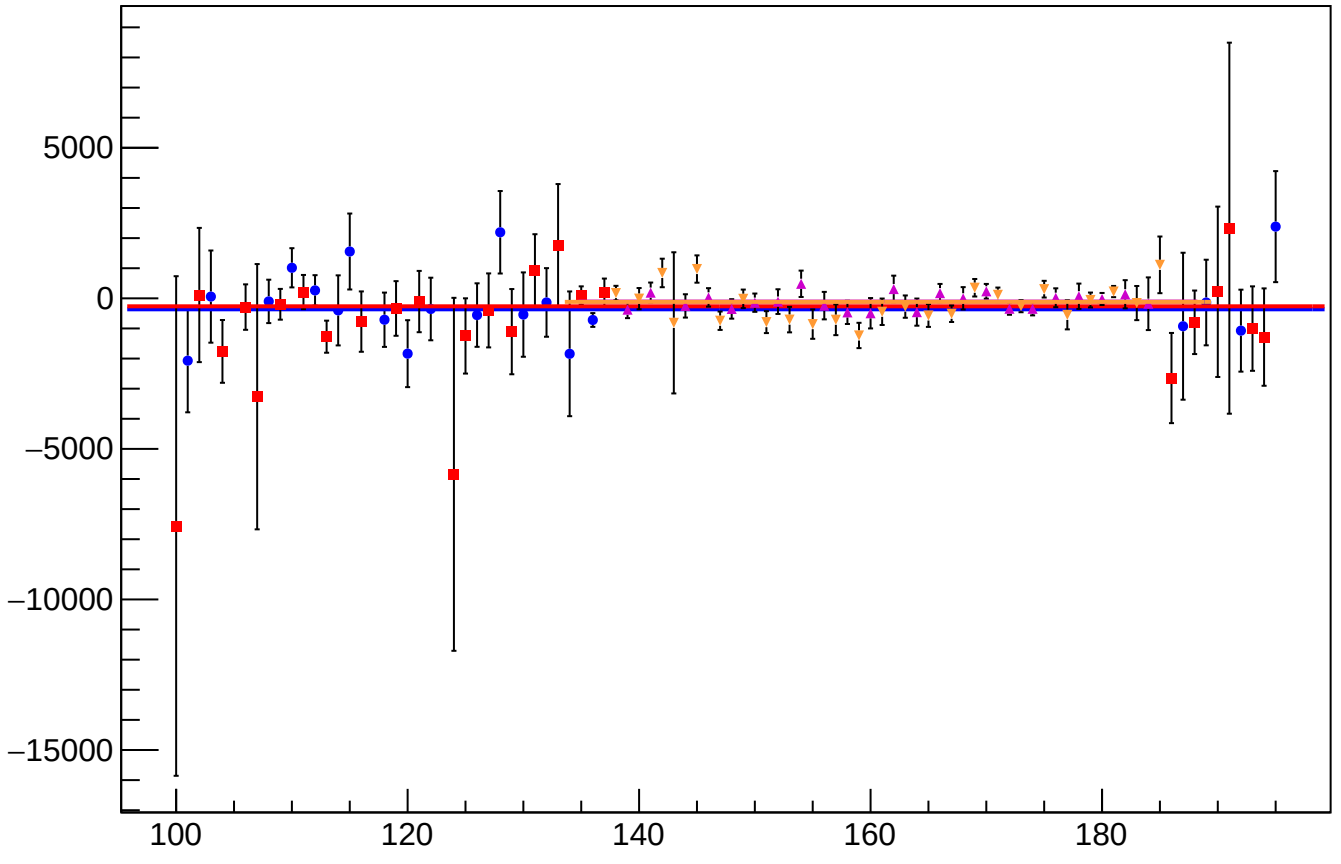
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

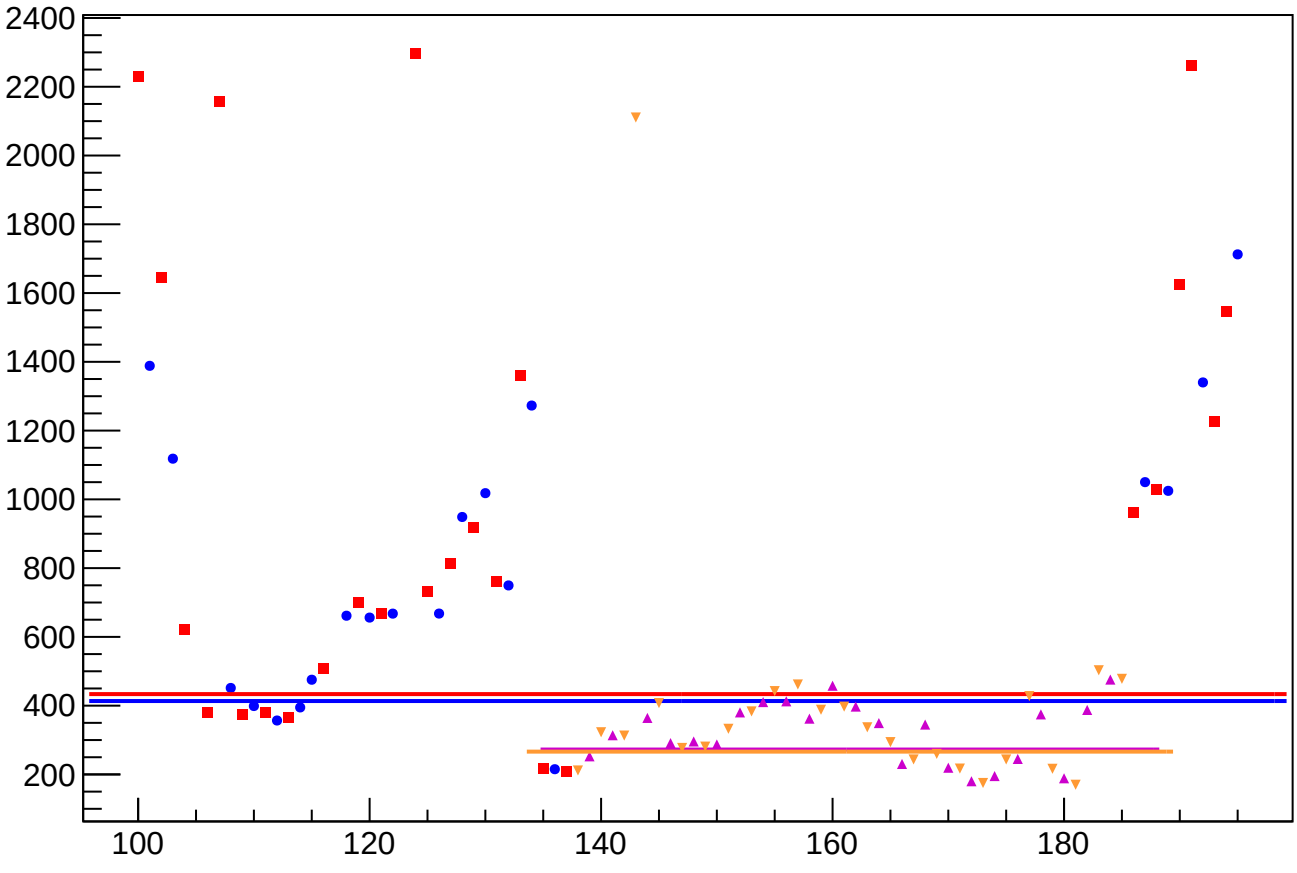
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.412+/-43.312 χ^2/NDF: 103.3/92

\- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

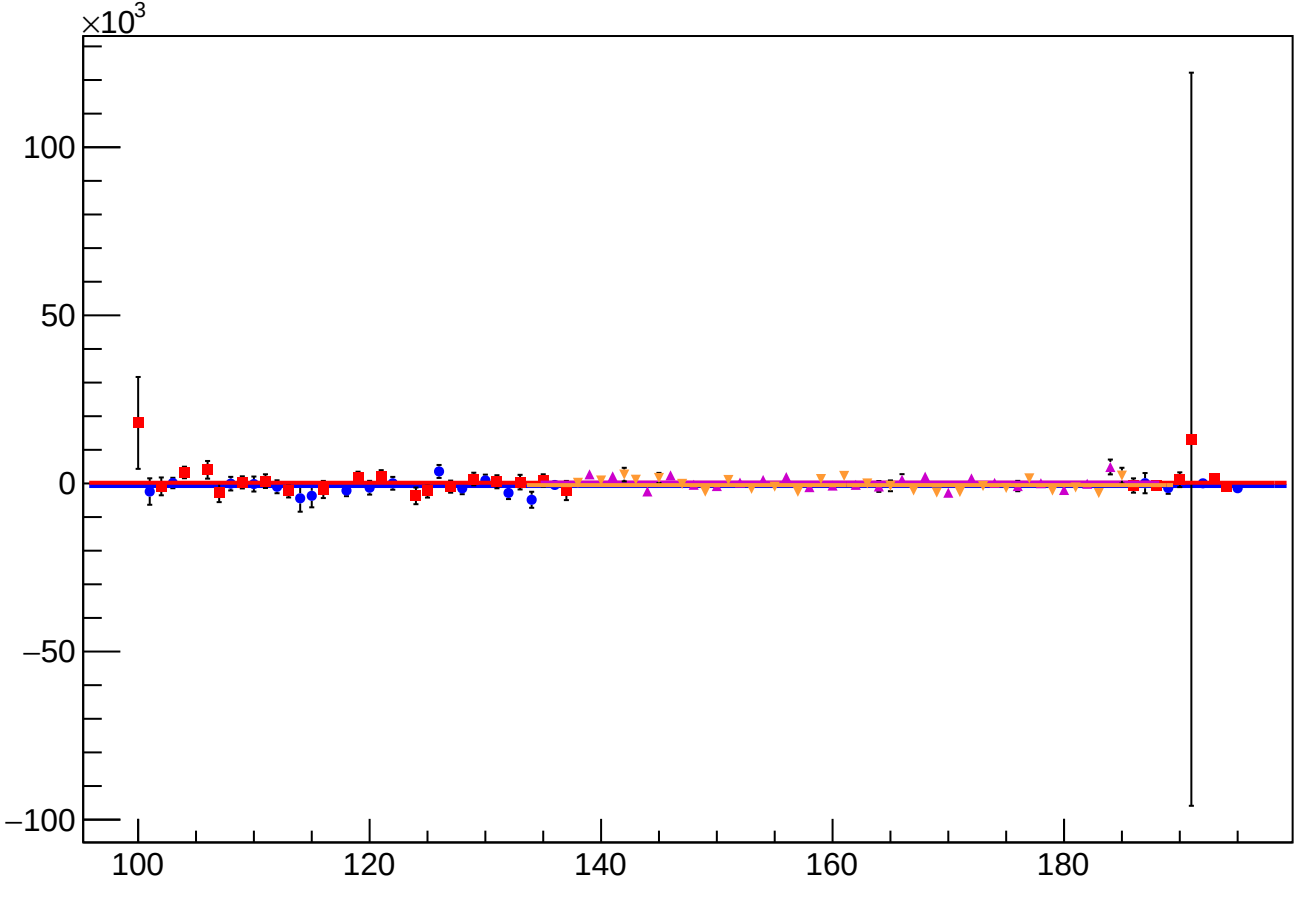
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



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: 206.473+/-399.026 χ^2/NDF: 19.8/24

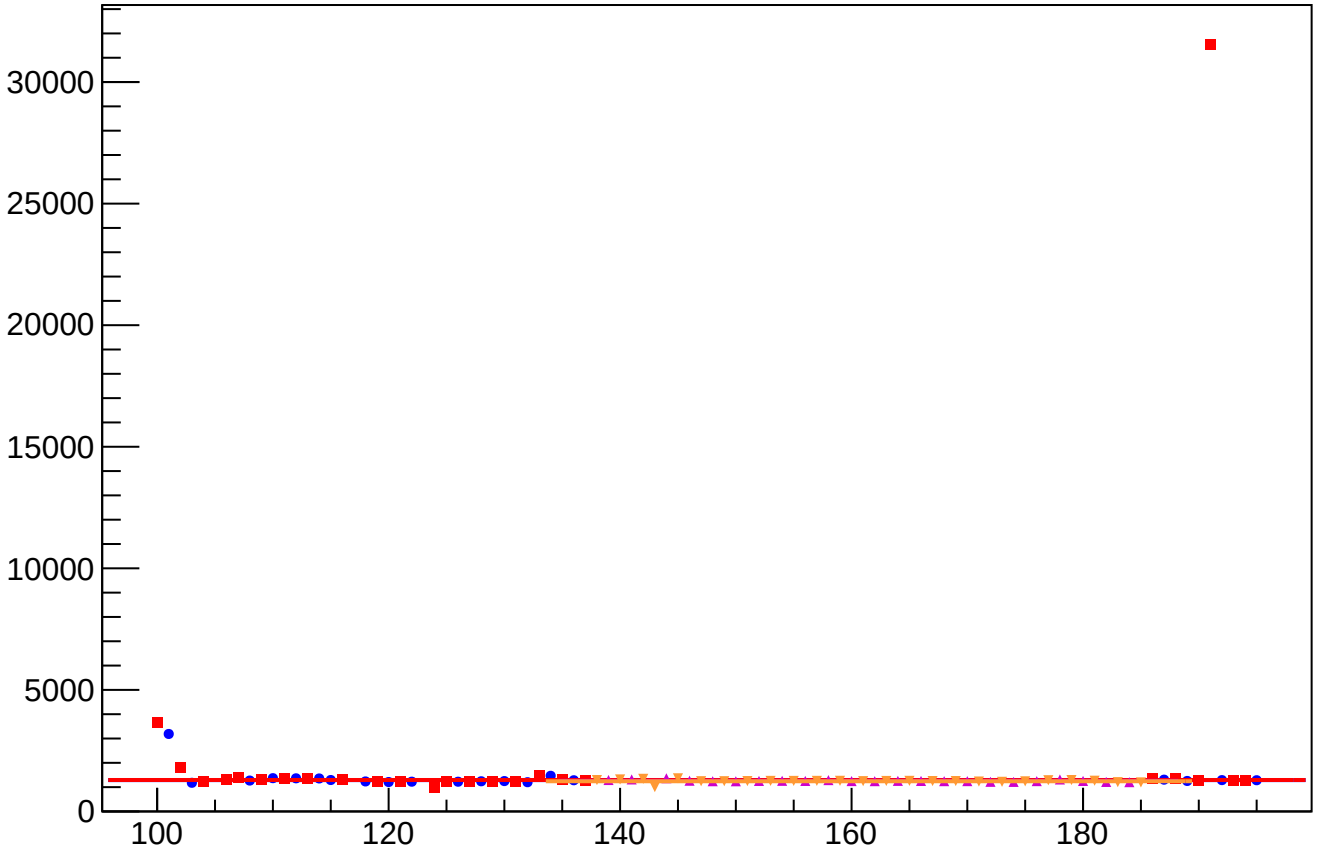
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.837+/-166.509 χ^2/NDF: 105.3/92

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

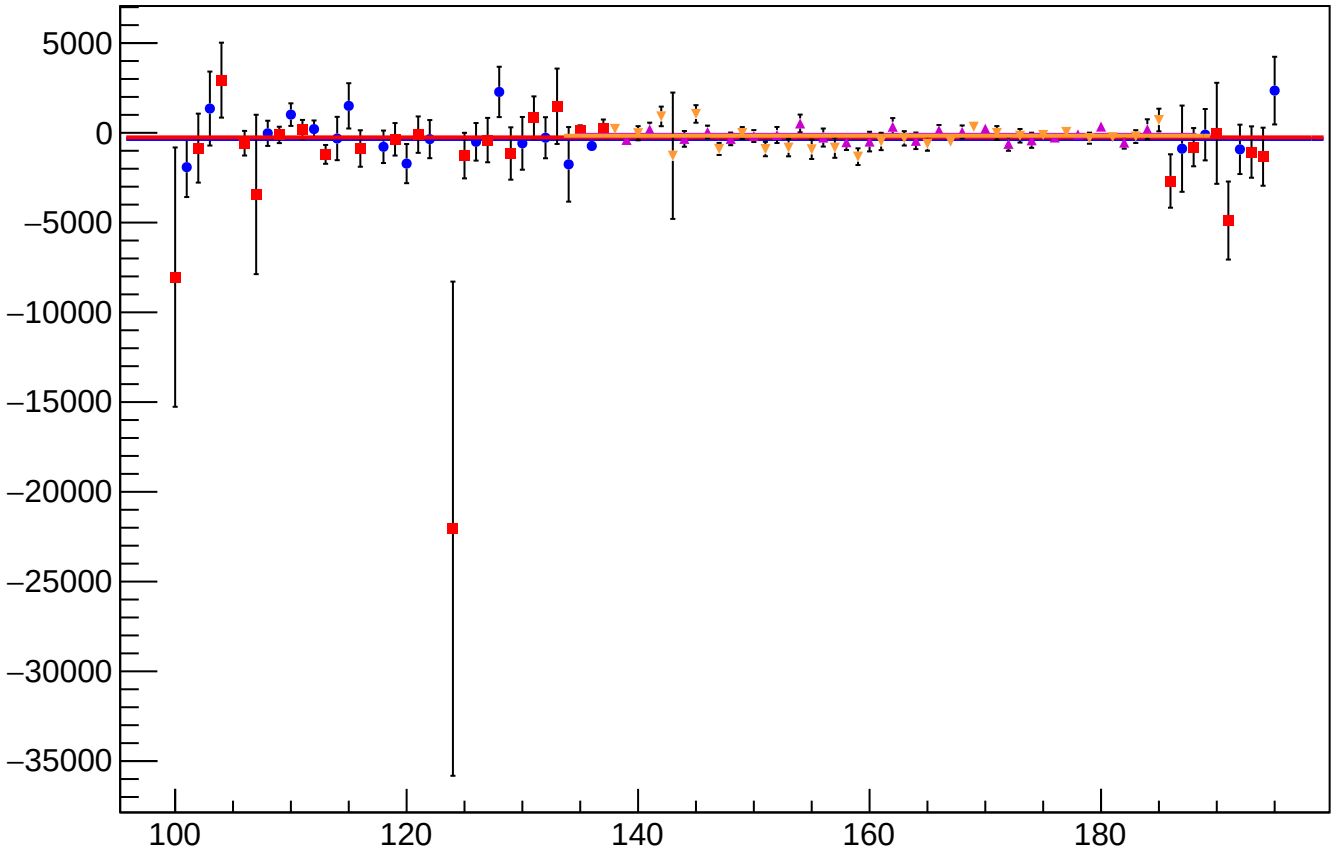
Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657490.1/44

All: 1264.571+/-0.118 χ^2/NDF: 1070915.2/92

- sign 1272.129+/-0.167 χ^2/NDF: 409399.5/47



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

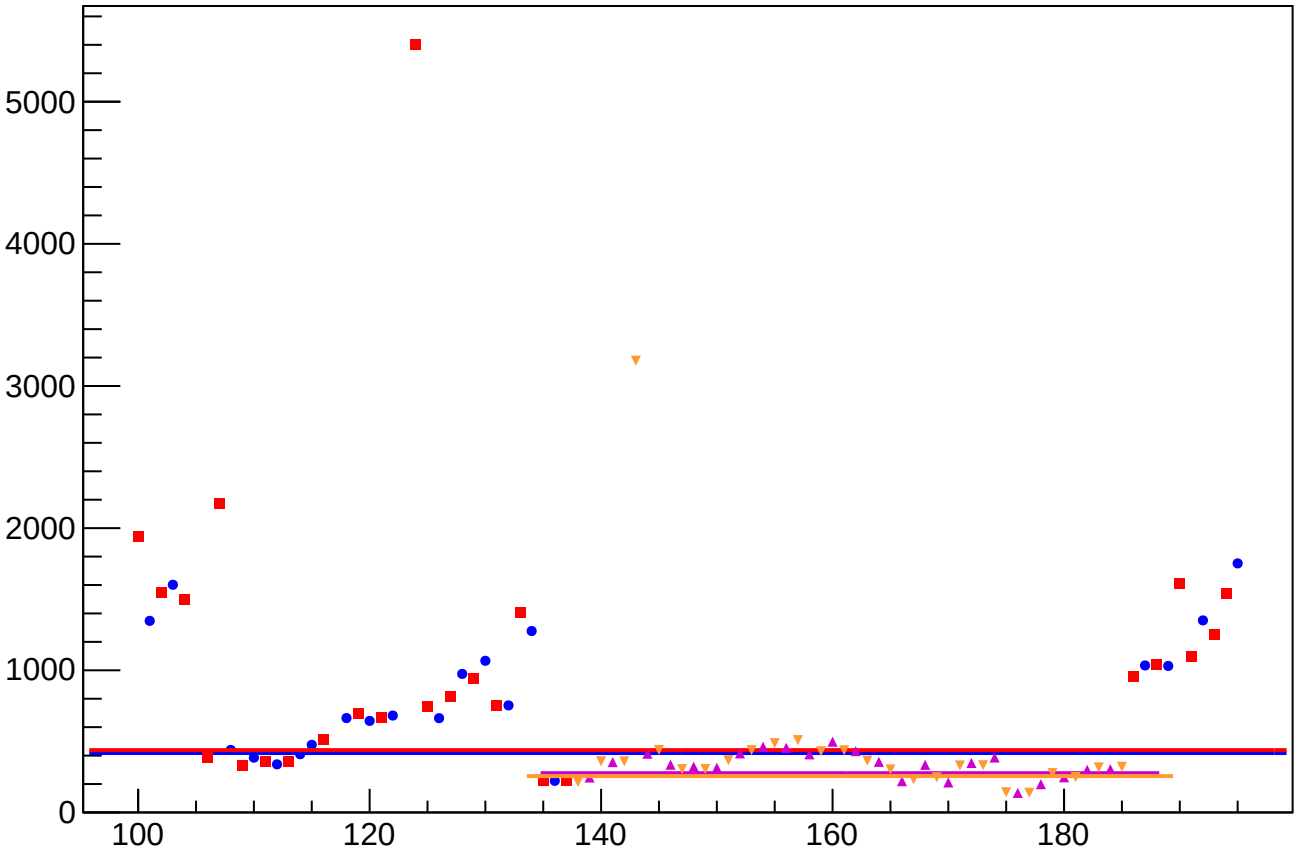
Right Out: -254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.271+/-59.845 χ^2/NDF: 65.5/44

All: -160.982+/-43.540 χ^2/NDF: 109.1/92

- sign -134.794+/-63.462 χ^2/NDF: 43.2/47



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

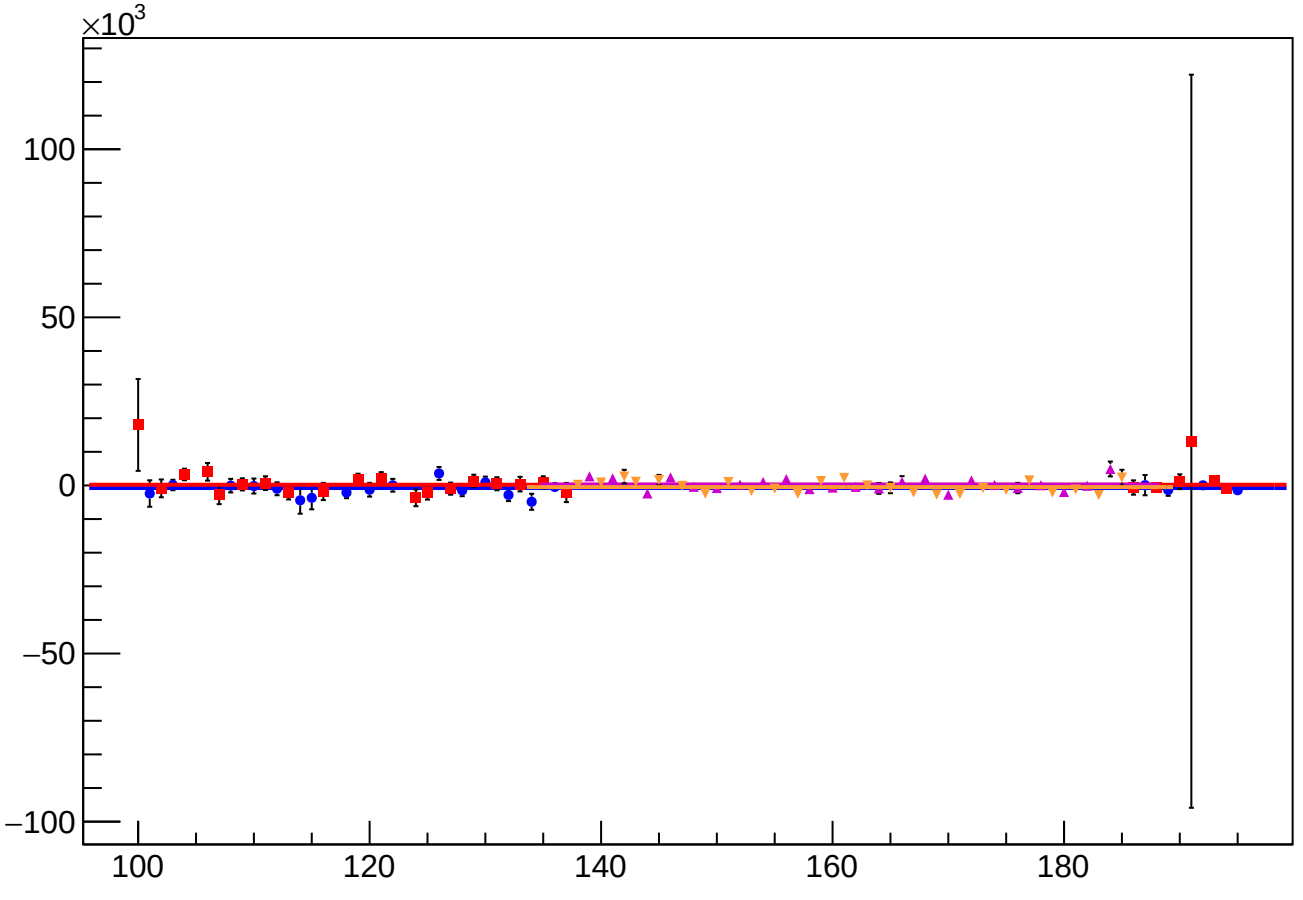
Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 276.756+/-0.042 χ^2/NDF: 14862683.7/44

All: 288.006+/-0.031 χ^2/NDF: 28461278.8/92

- sign 300.656+/-0.045 χ^2/NDF: 13448455.3/47



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: 206.473+/-399.026 χ^2/NDF: 19.8/24

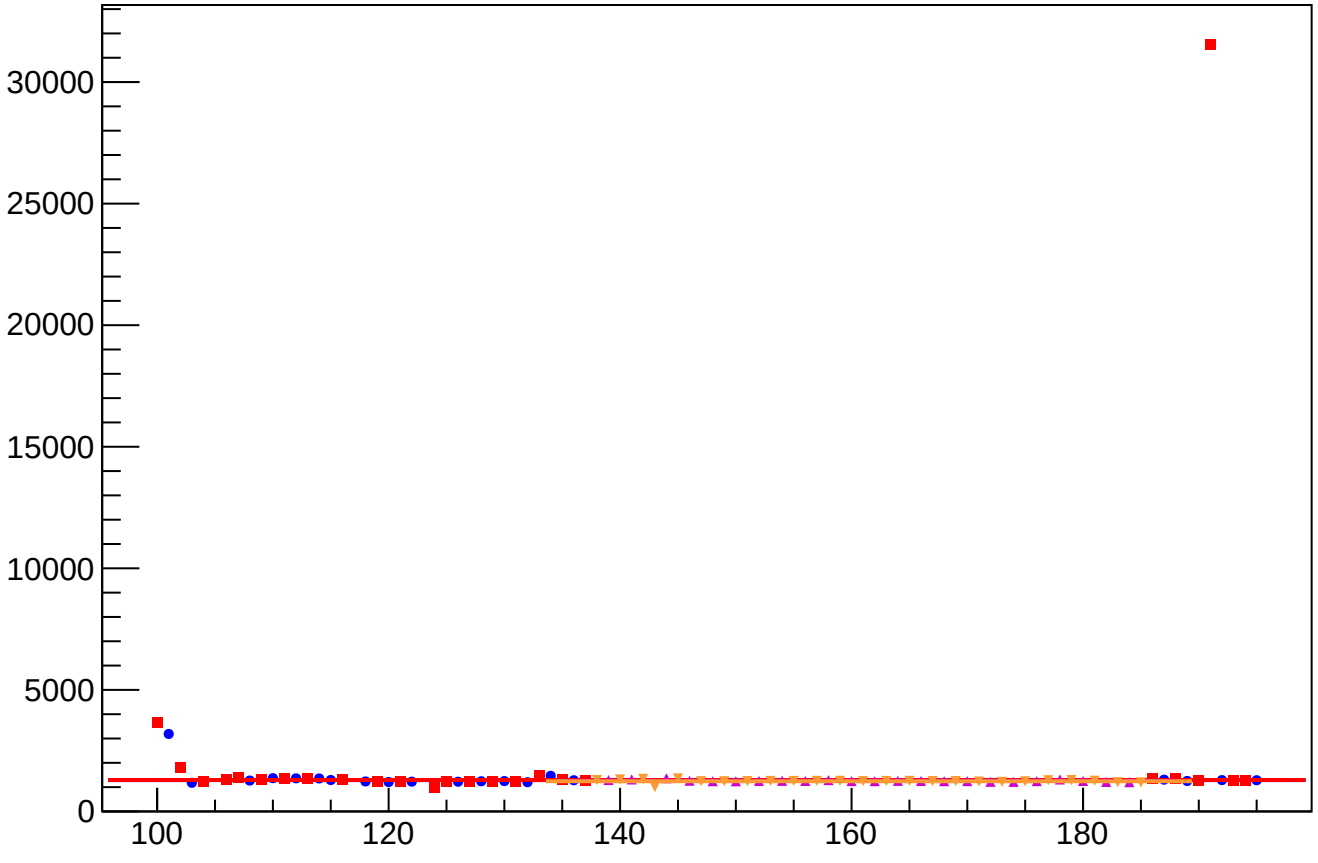
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.837+/-166.509 χ^2/NDF: 105.3/92

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

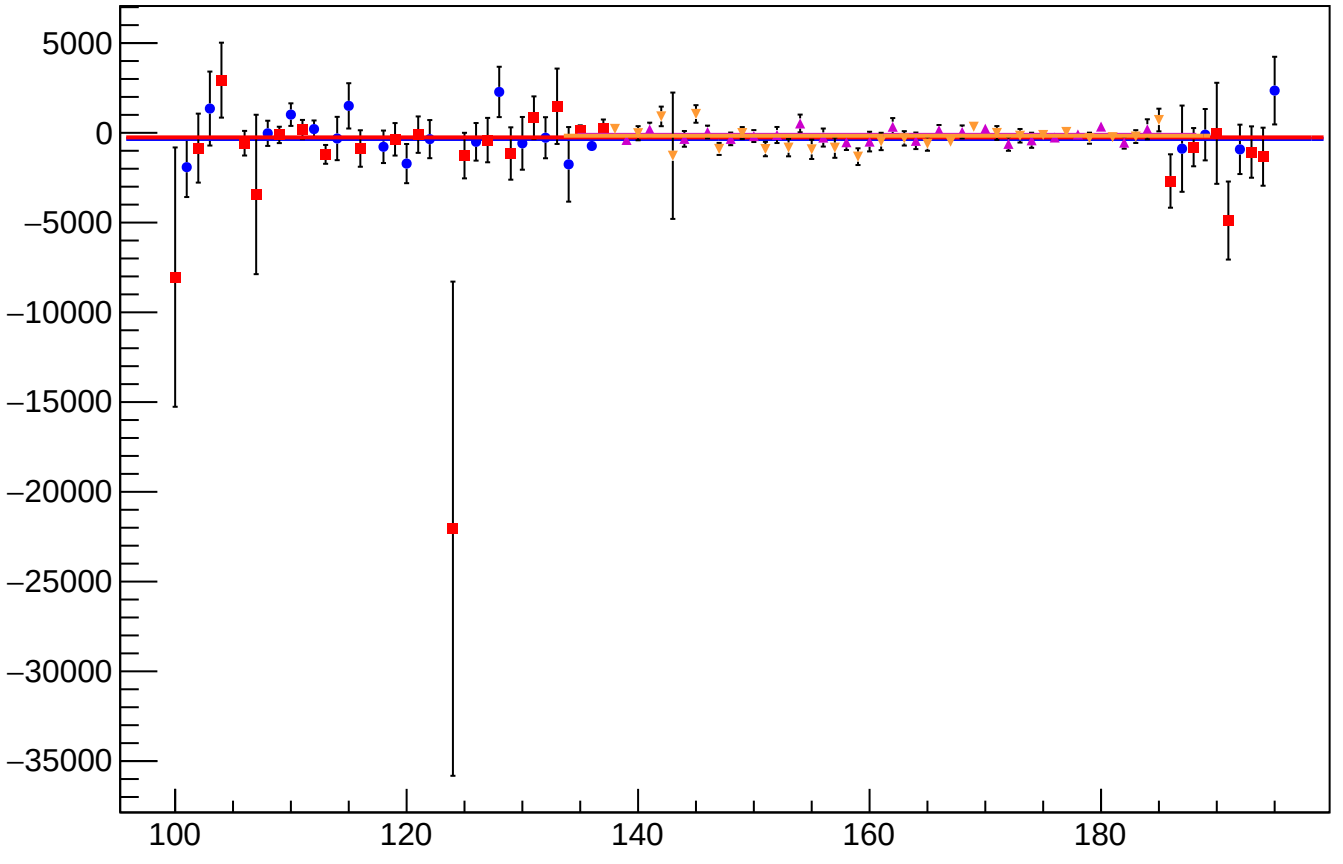
Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657489.2/44

All: 1264.571+/-0.118 χ^2/NDF: 1070914.7/92

- sign 1272.129+/-0.167 χ^2/NDF: 409399.9/47



Right In: -341.534+/-166.472 χ^2/NDF: 20.7/19

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

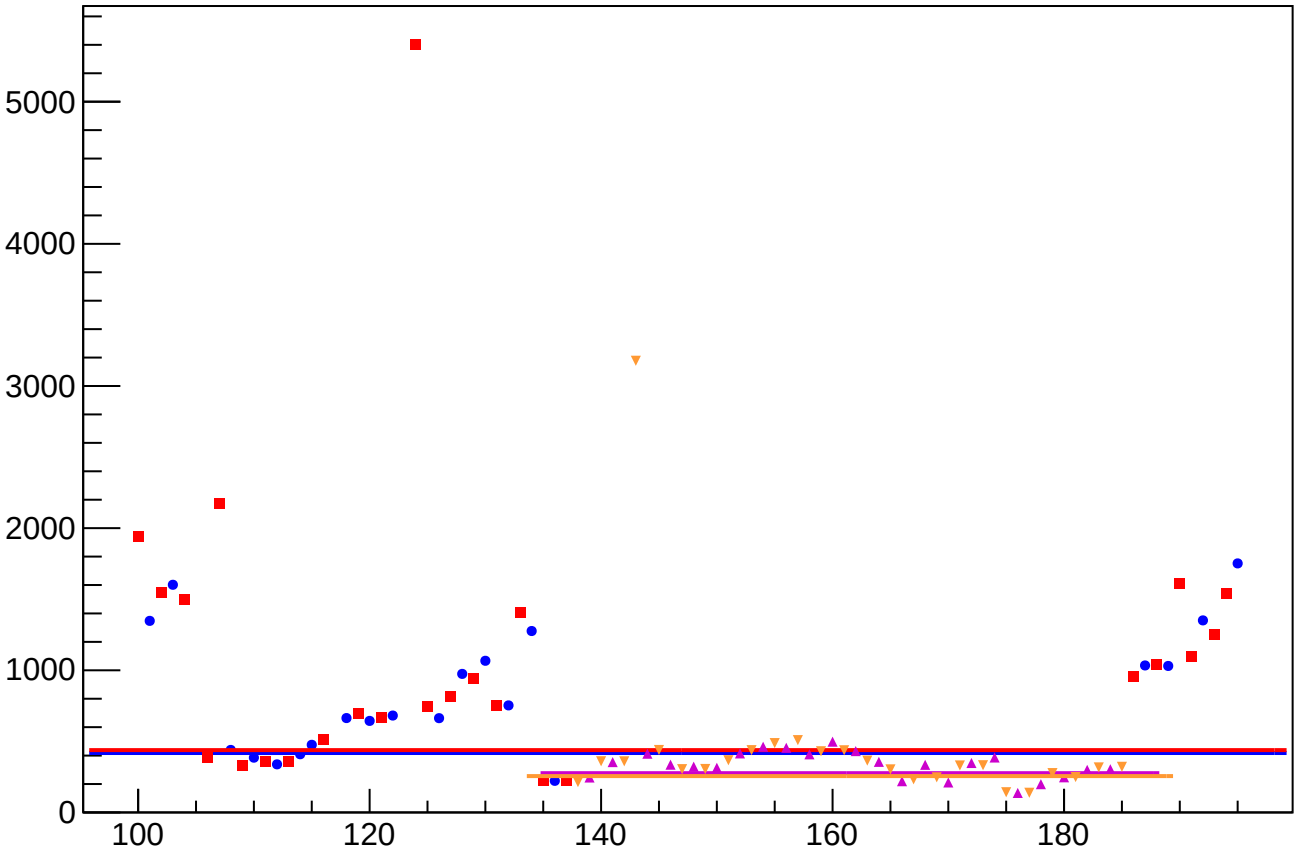
Right Out: -254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -184.273+/-59.845 χ^2/NDF: 65.5/44

All: -160.983+/-43.540 χ^2/NDF: 109.1/92

\- sign -134.793+/-63.463 χ^2/NDF: 43.2/47



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: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

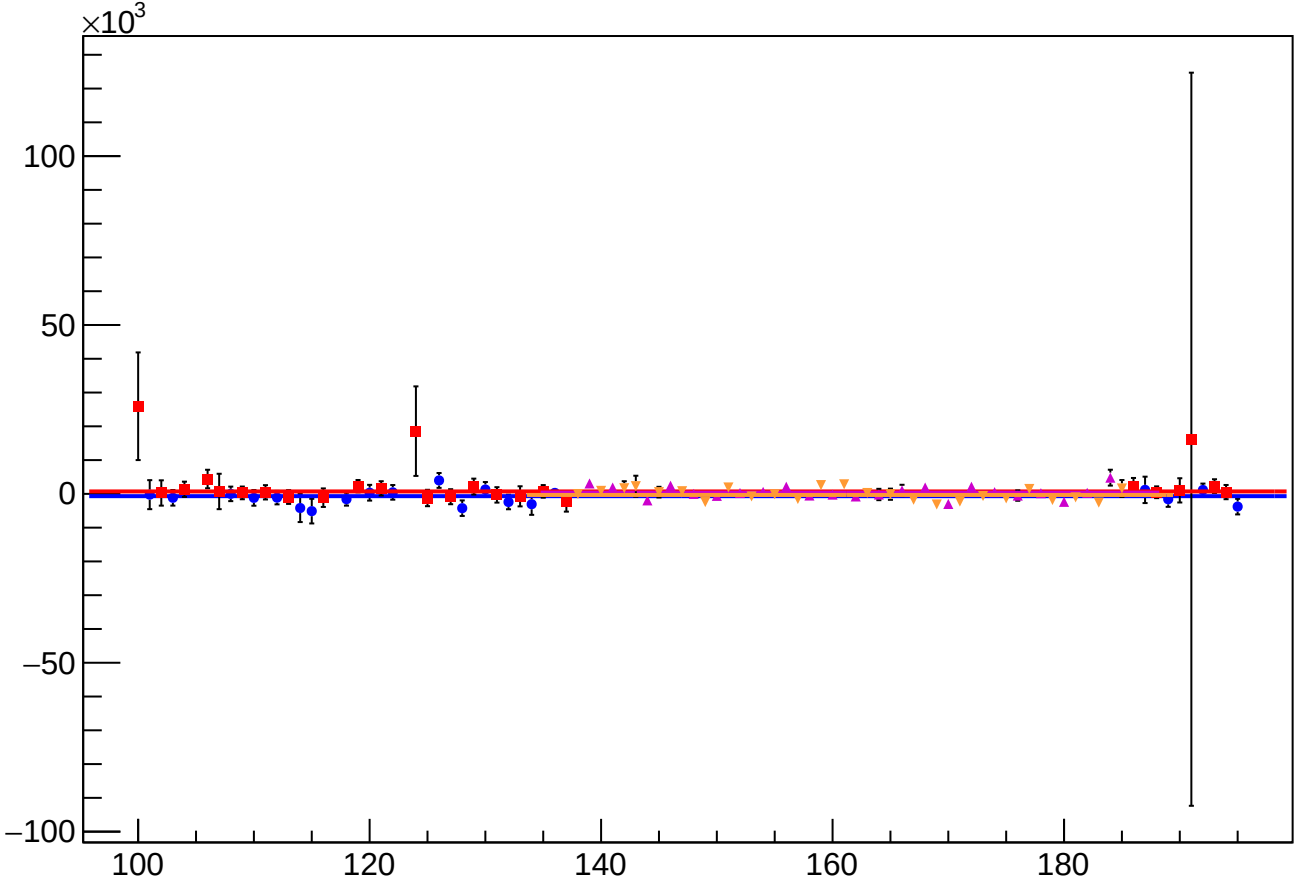
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 276.758+/-0.042 χ^2/NDF: 14862489.8/44

All: 288.007+/-0.031 χ^2/NDF: 28460958.2/92

- sign 300.657+/-0.045 χ^2/NDF: 13448340.1/47

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: 724.004+/-491.743 χ^2/NDF: 12.3/24

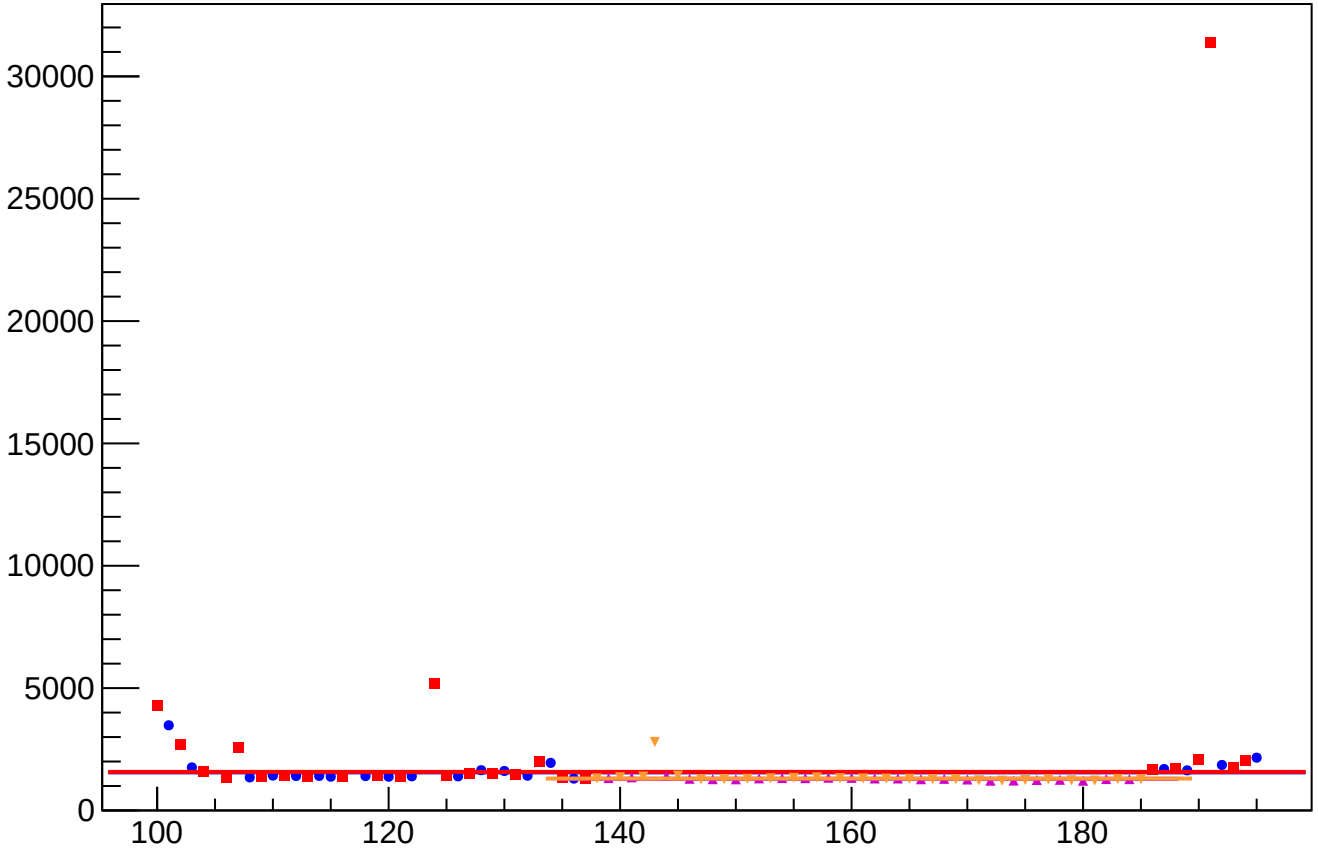
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -411.699+/-257.258 χ^2/NDF: 47.5/44

All: 22.619+/-181.918 χ^2/NDF: 95.7/92

- sign 457.020+/-257.283 χ^2/NDF: 42.4/47

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

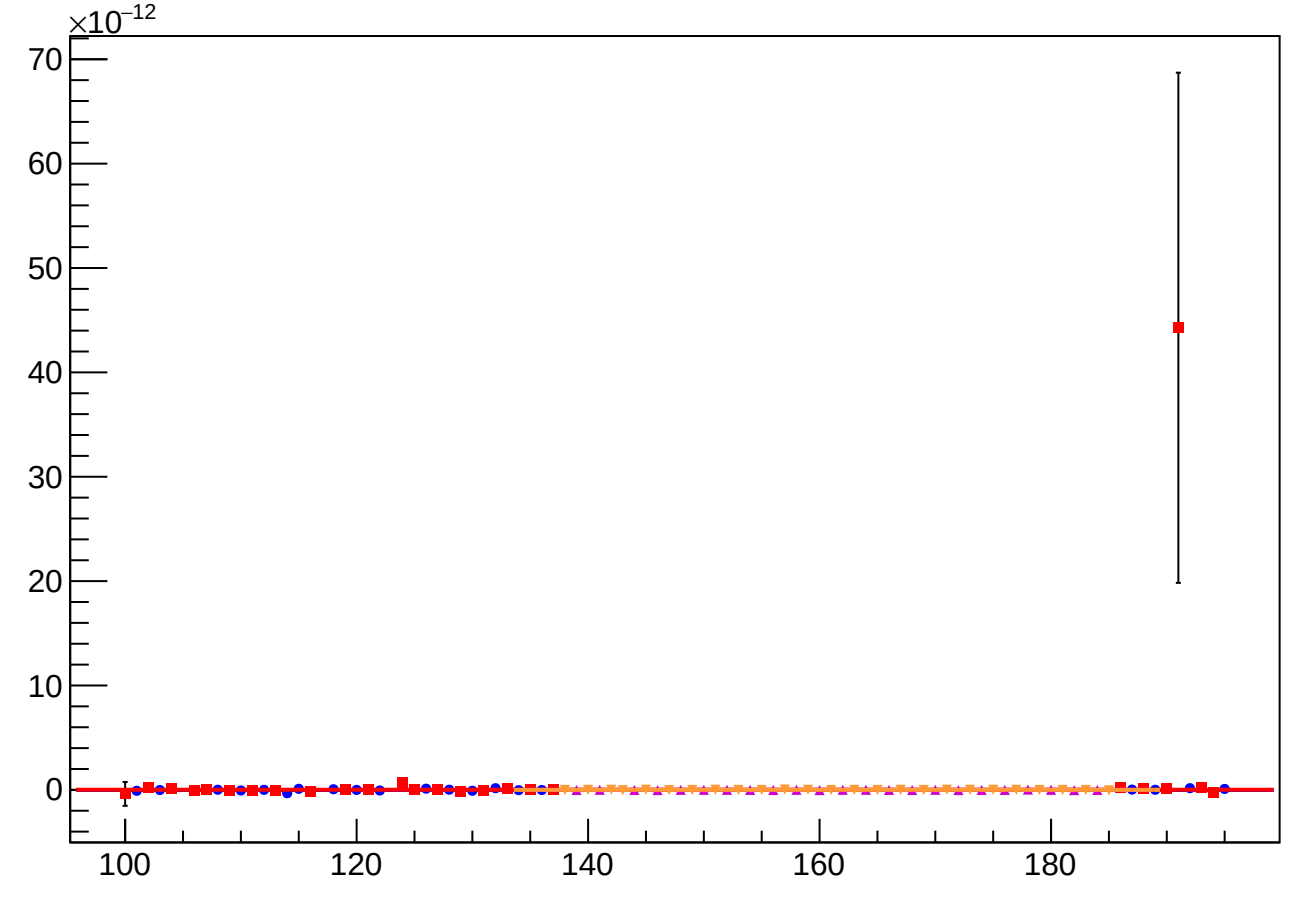
Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1368.730+/-0.182 χ^2/NDF: 1693424.1/44

All: 1369.306+/-0.129 χ^2/NDF: 3202039.8/92

- sign 1369.883+/-0.182 χ^2/NDF: 1508595.6/47



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: 31.7/24

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: 101.3/92

- sign 0.000+/-0.000 χ^2/NDF: 63.2/47

Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

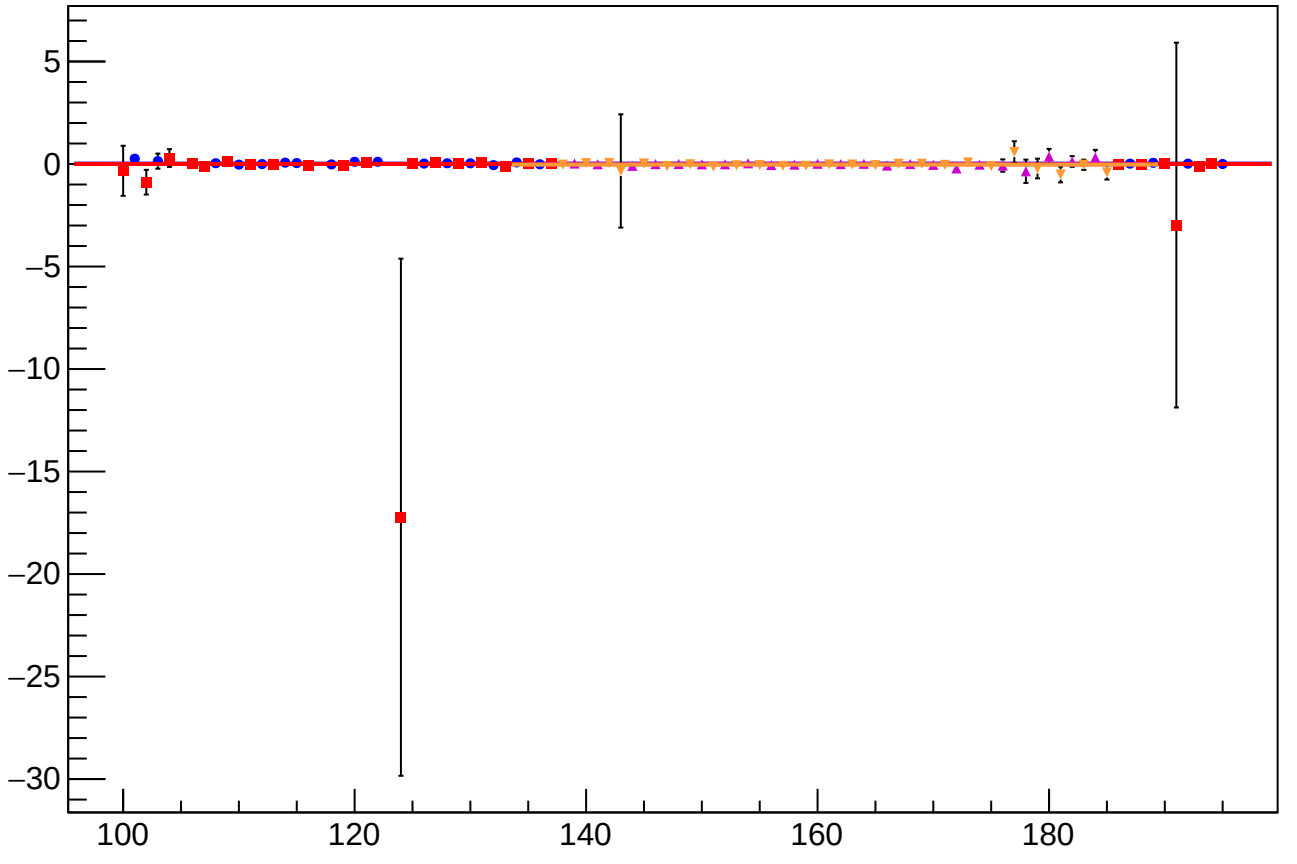
Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

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: 16385143.4/92

- sign 0.000+/-0.000 χ^2/NDF: 8431722.4/47



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: 20.1/24

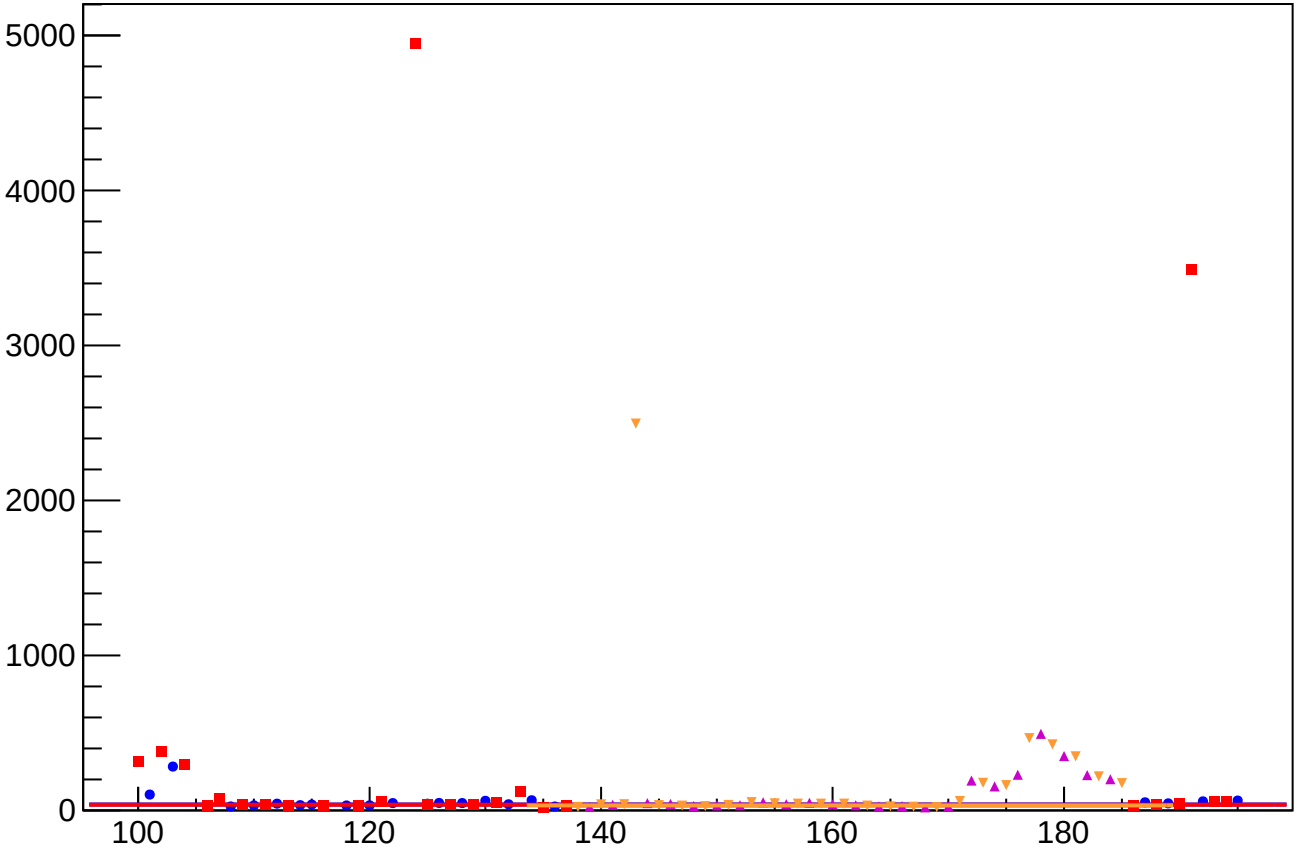
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47

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

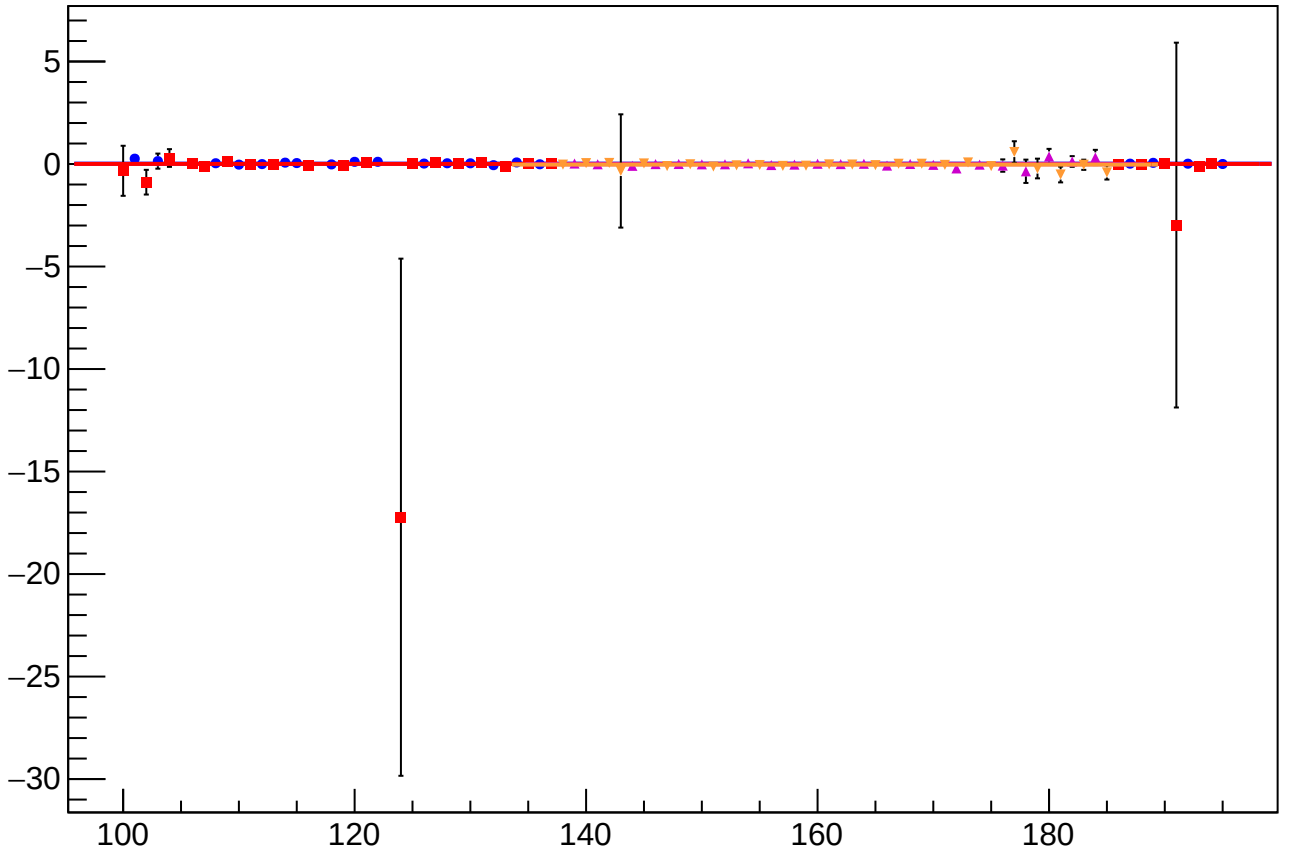
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

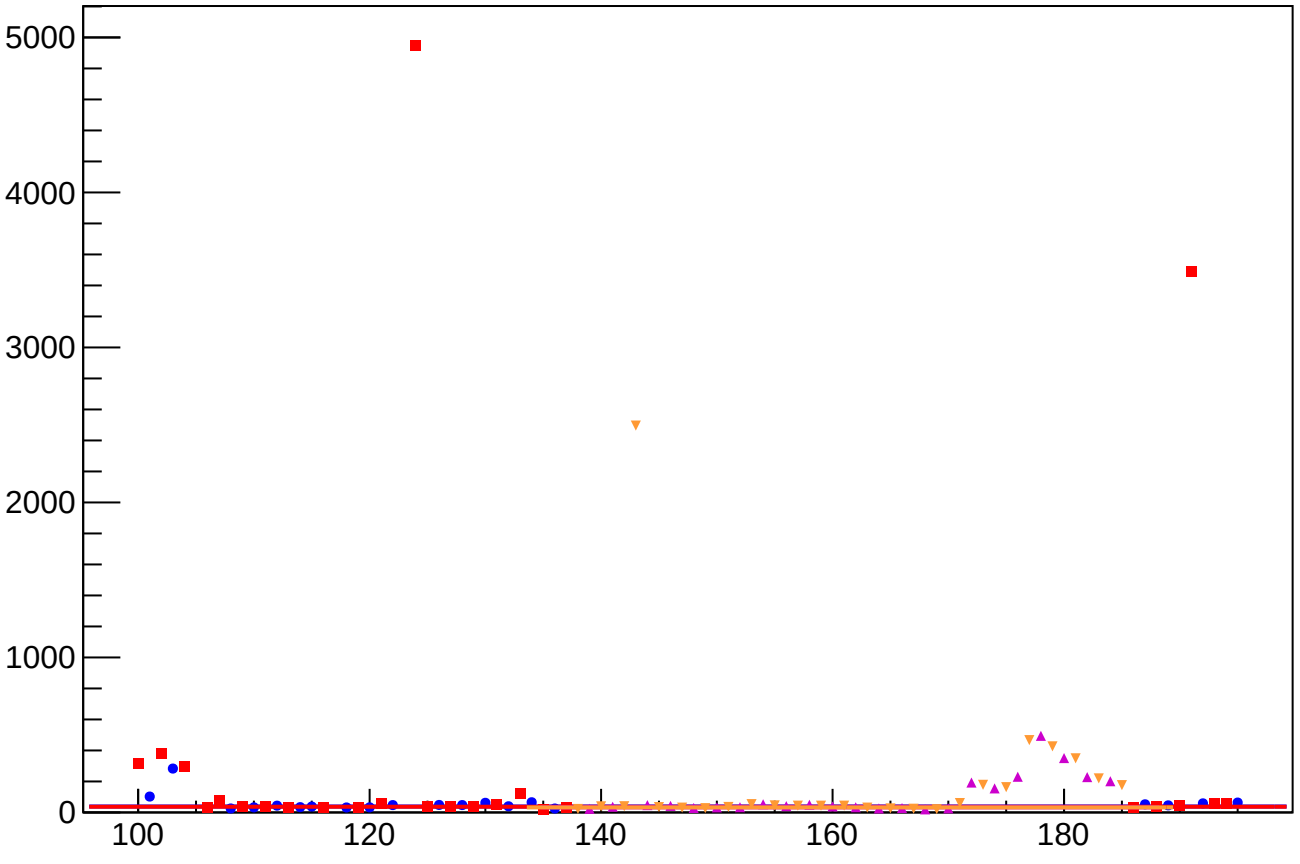
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

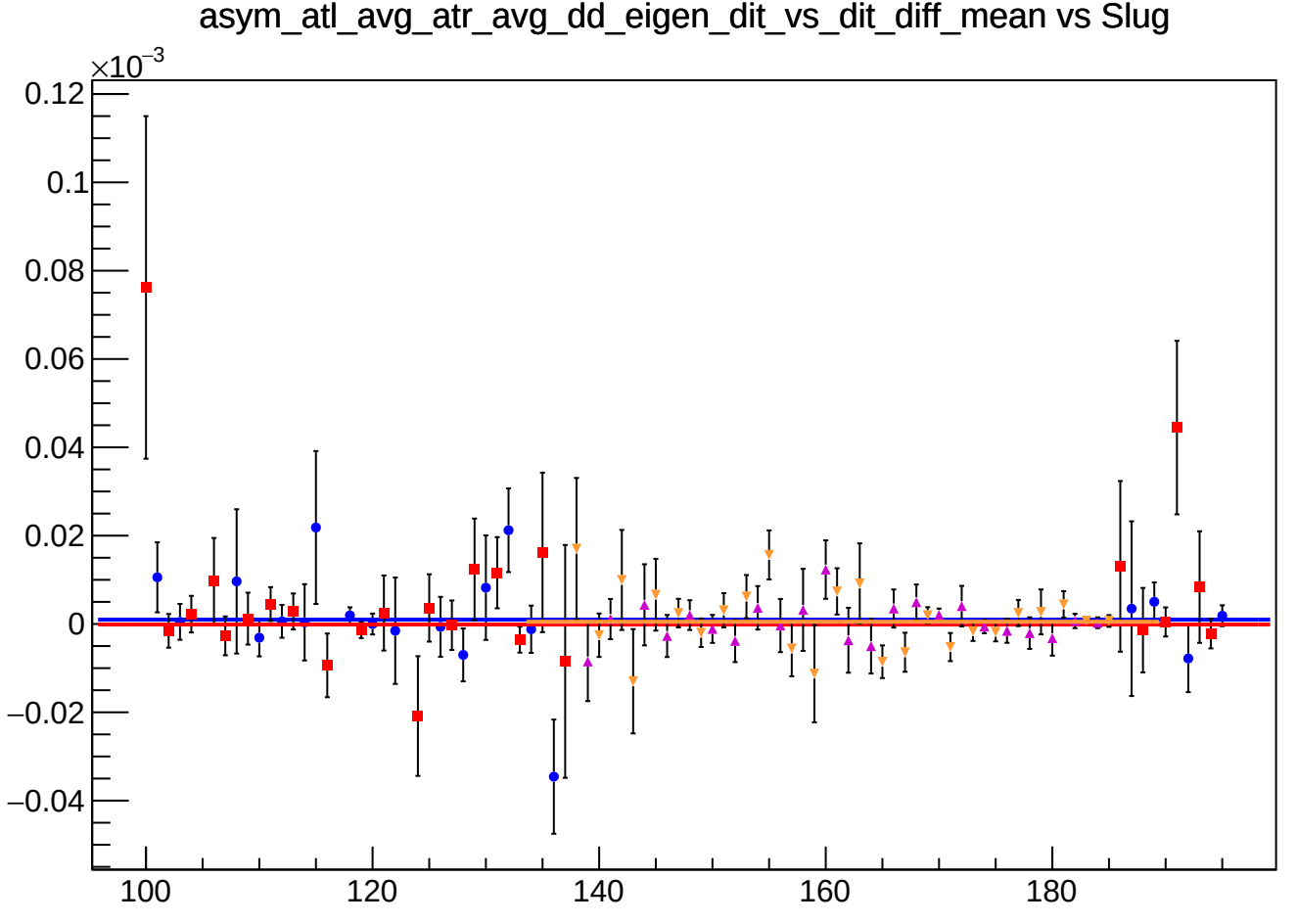
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

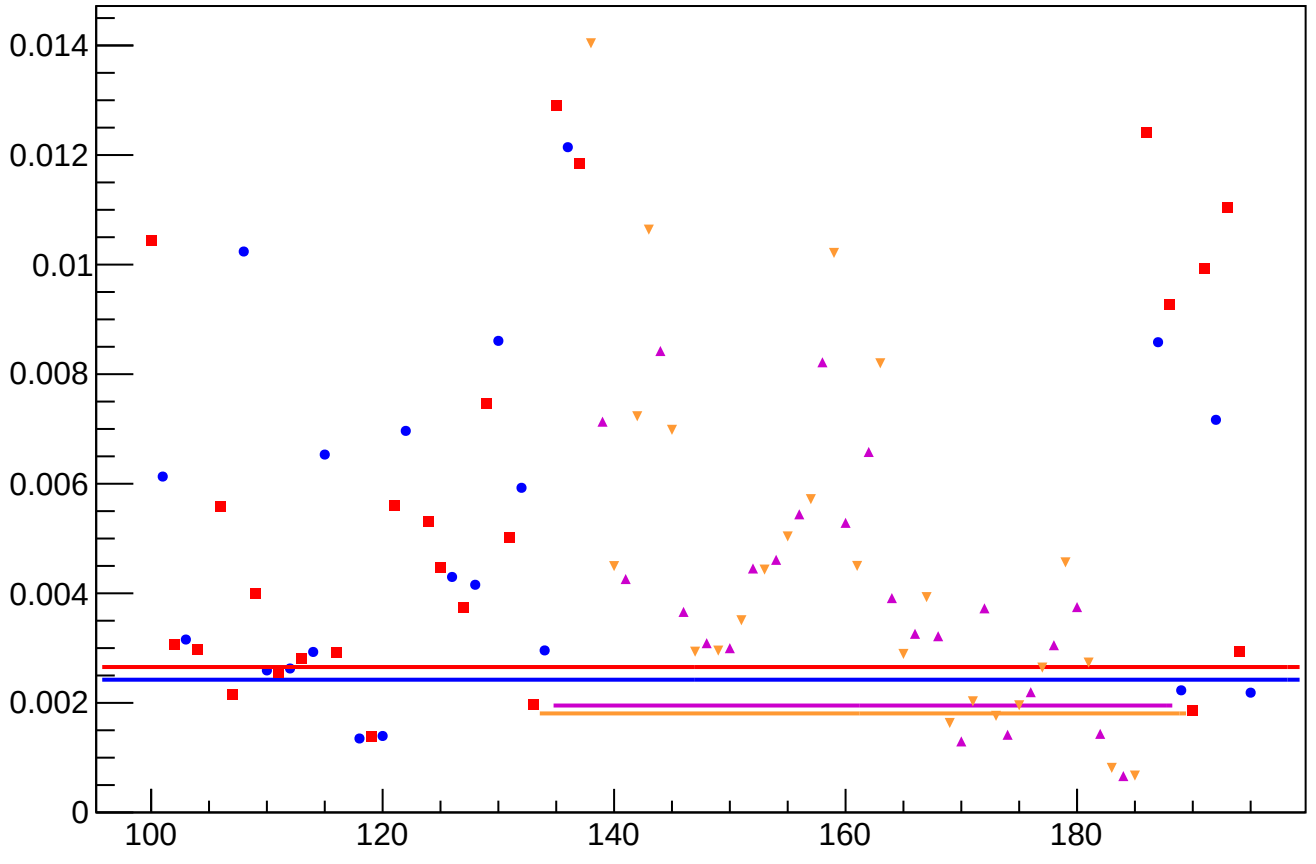
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

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: 96.1/92

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 5718326.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

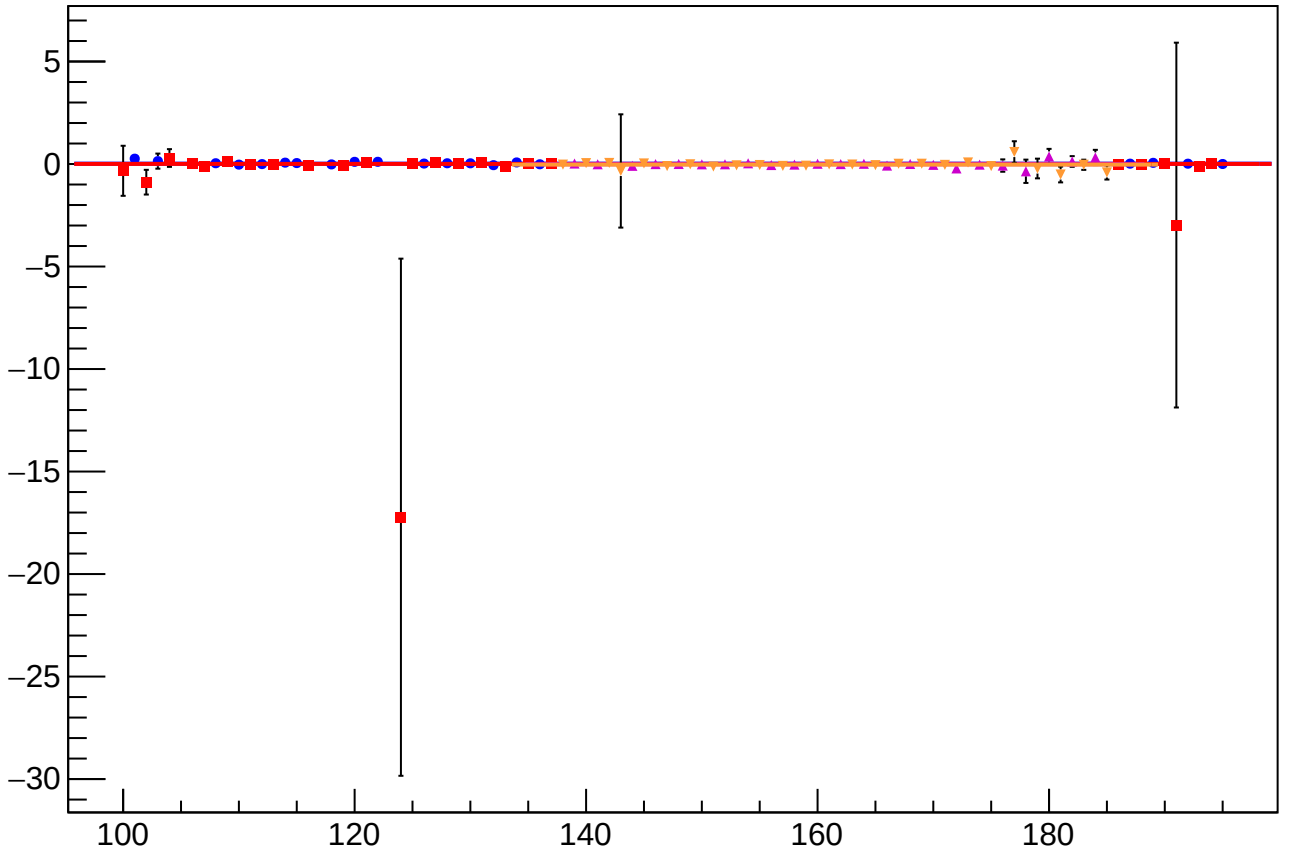
Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

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: 39862416.7/92

- sign 0.002+/-0.000 χ^2/NDF: 18442468.5/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

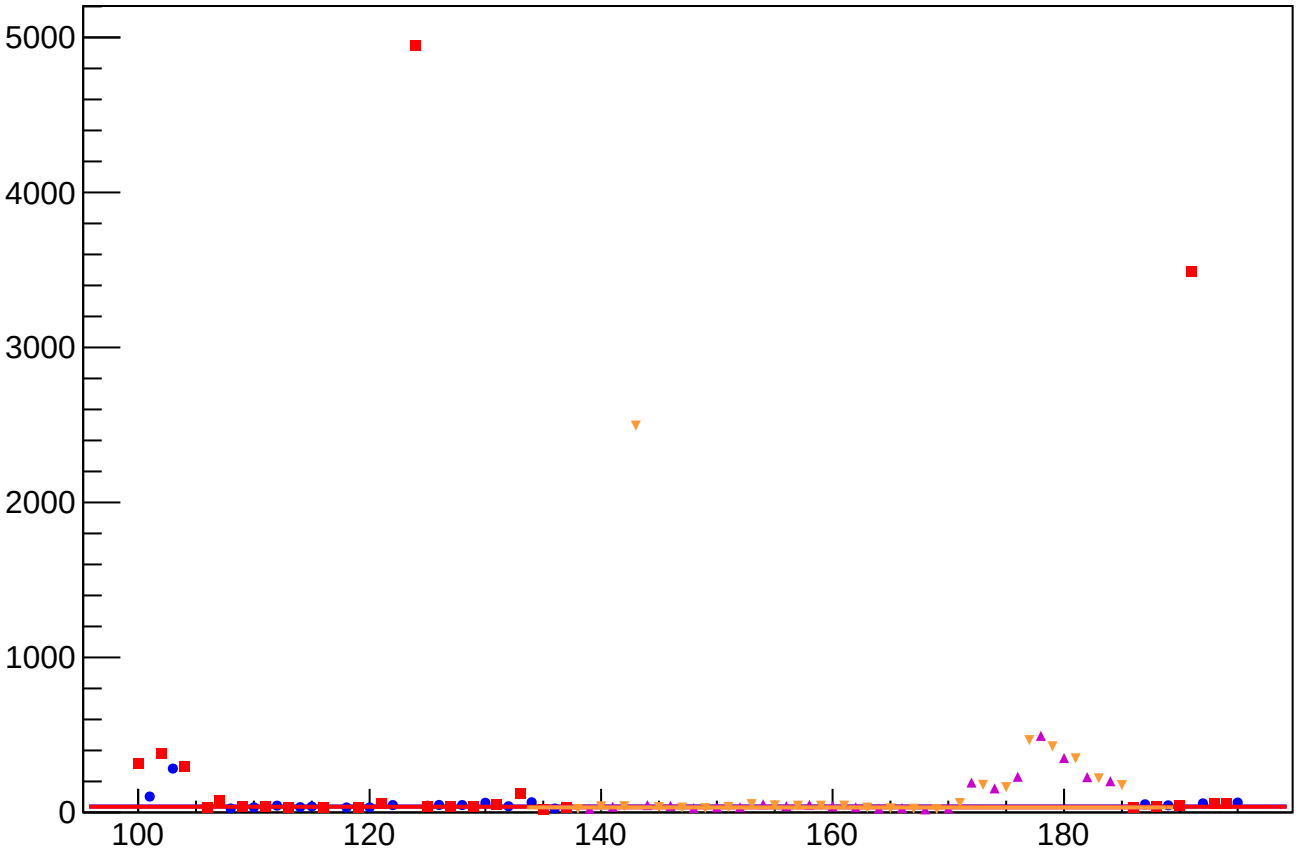
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

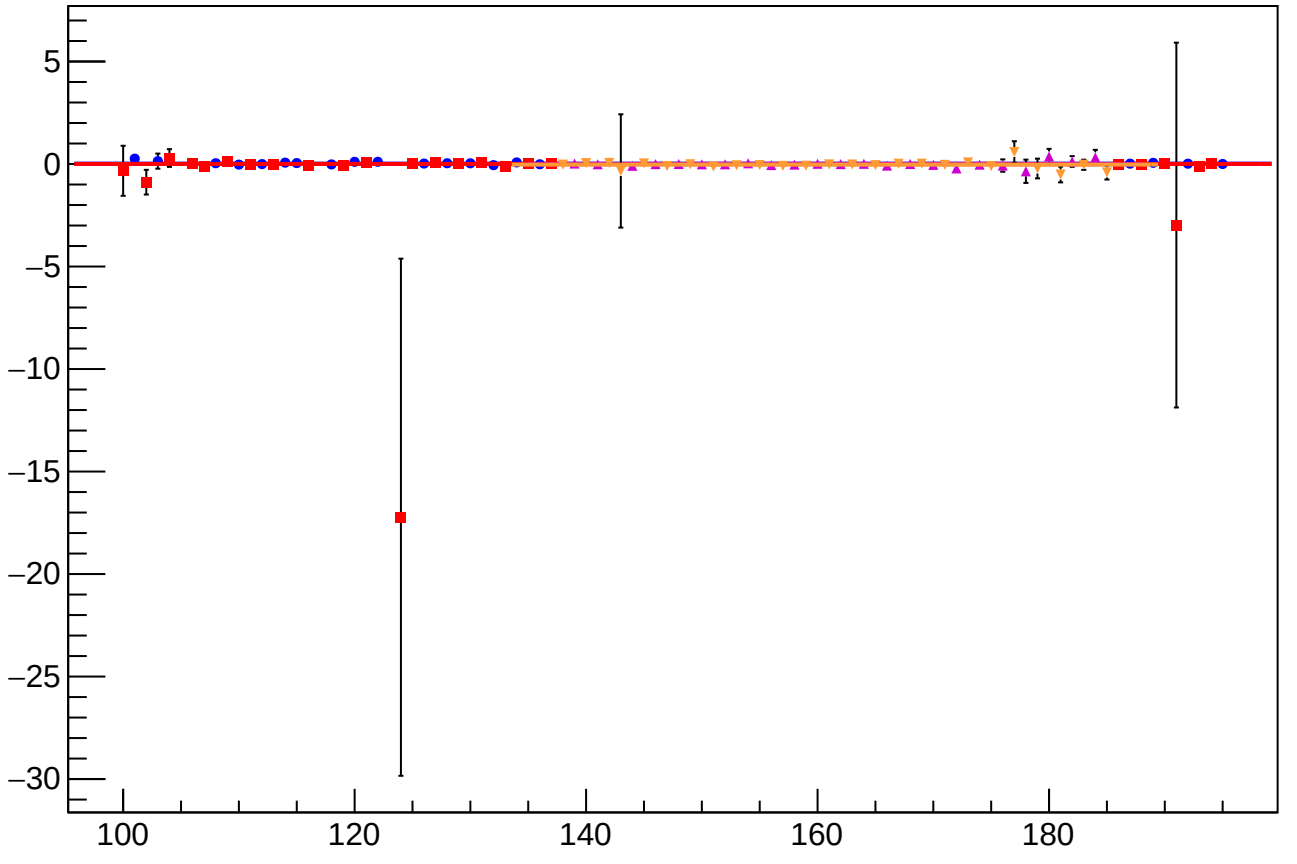
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

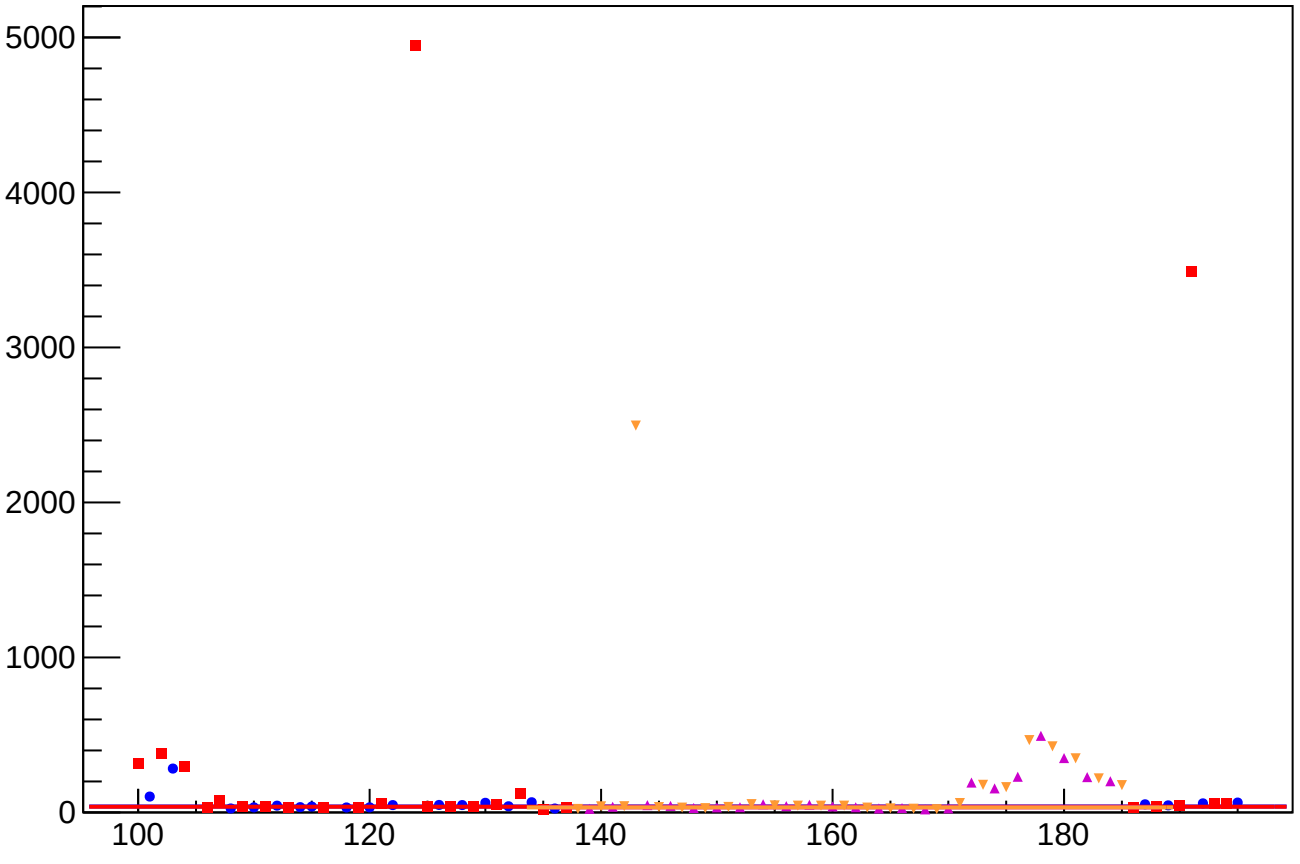
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

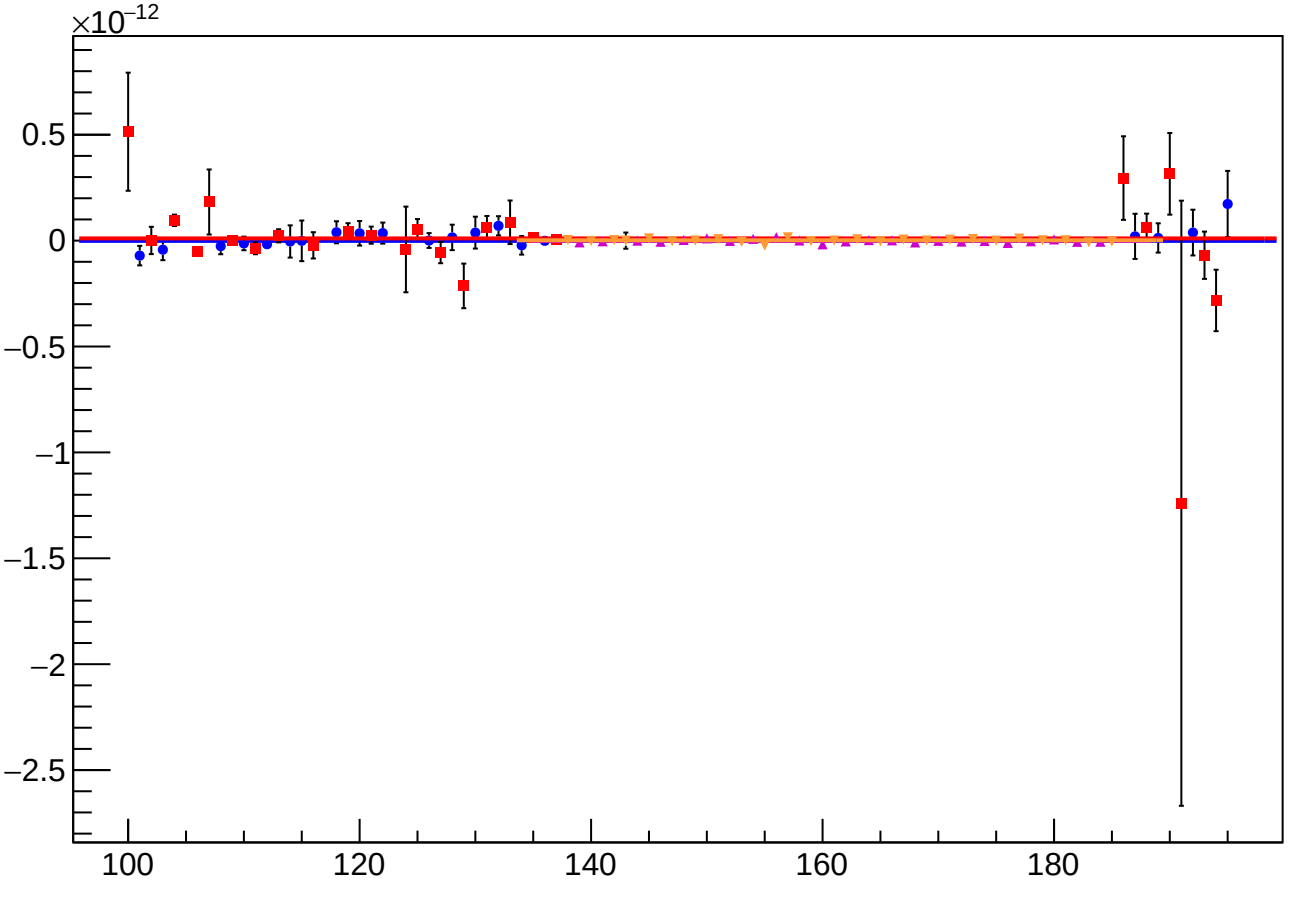
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

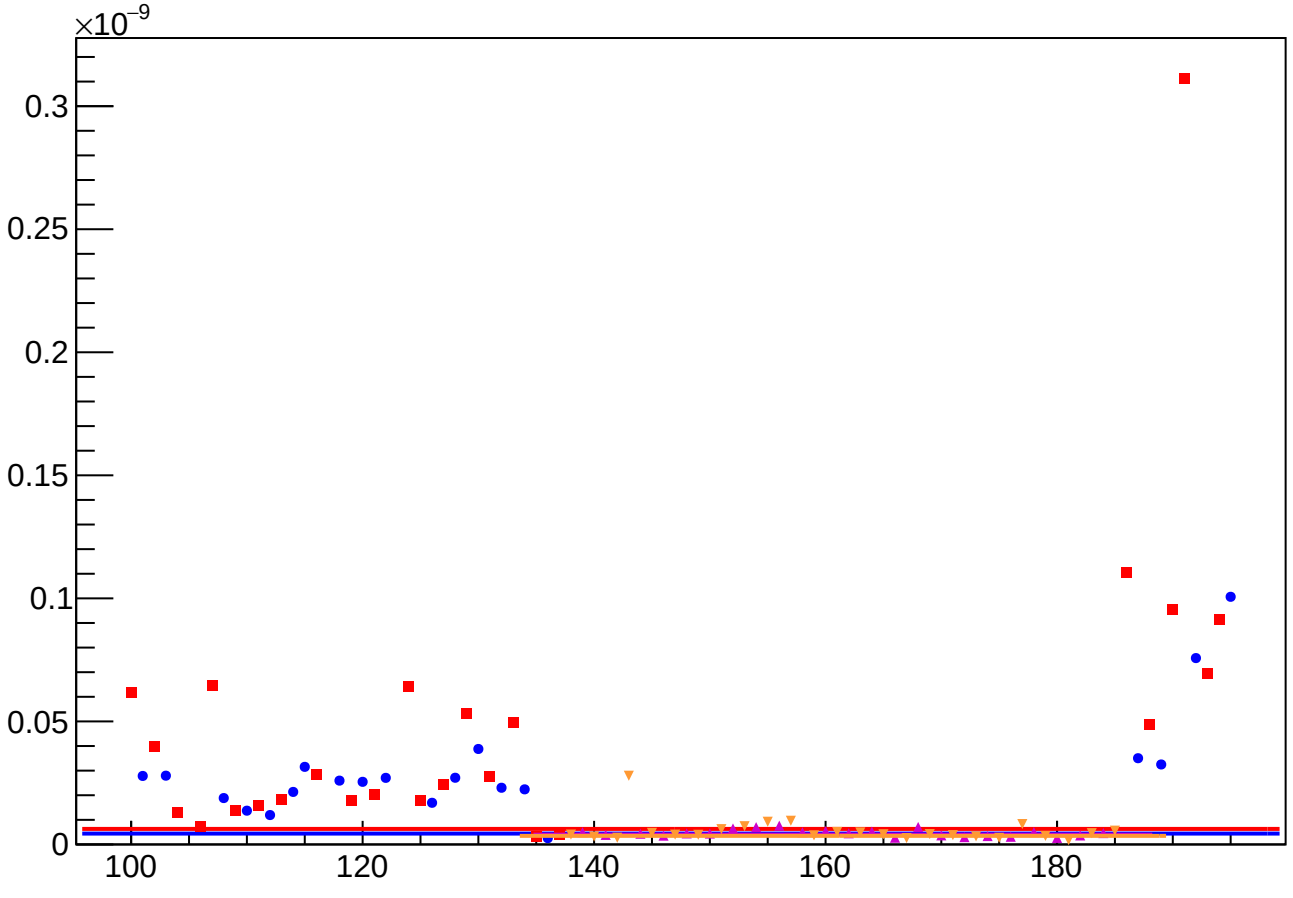
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/24

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: 116.3/92

- sign -0.000+/-0.000 χ^2/NDF: 86.5/47



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: 8146362.8/24

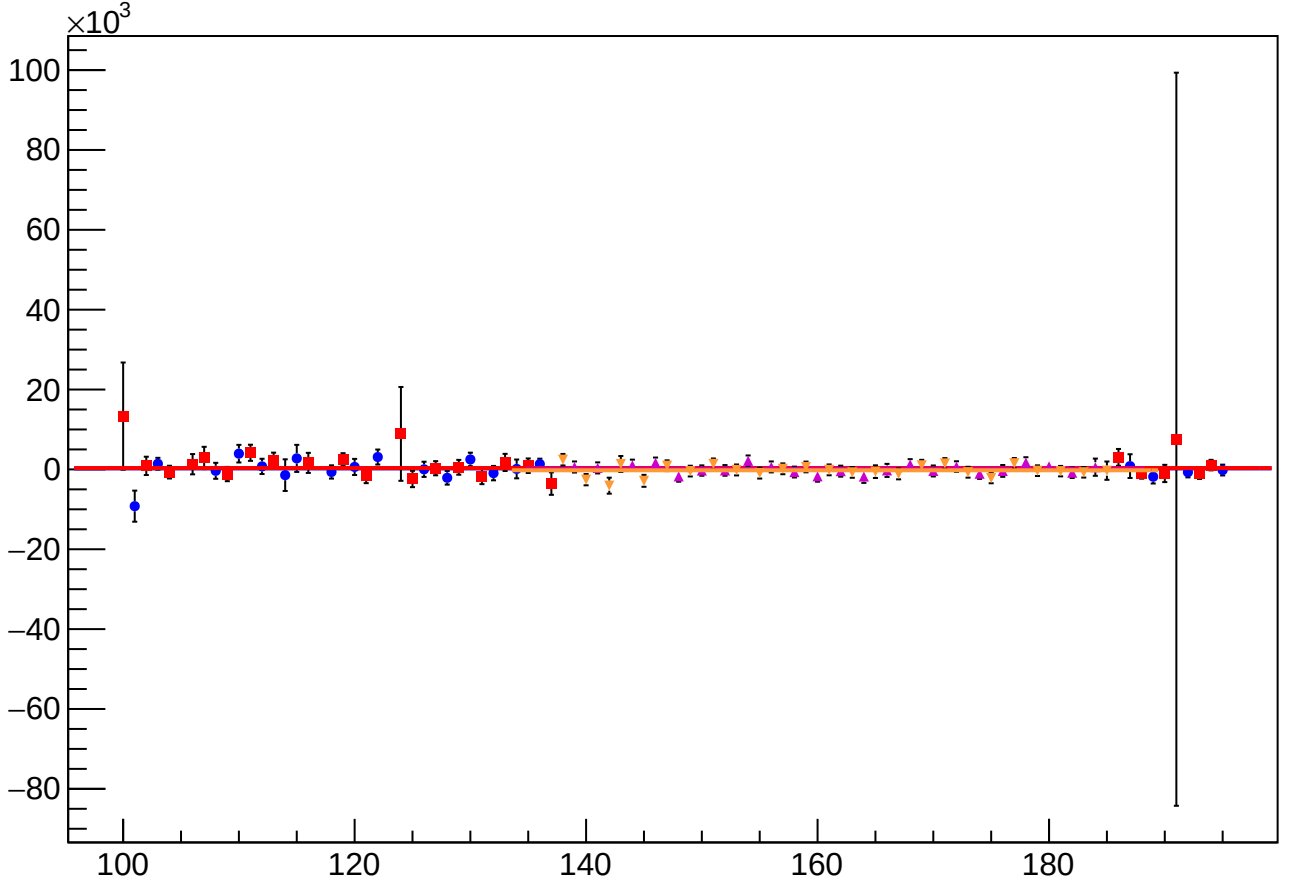
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12036302.1/44

All: 0.000+/-0.000 χ^2/NDF: 23128560.4/92

- sign 0.000+/-0.000 χ^2/NDF: 10809084.7/47

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: 336.374+/-396.306 χ^2/NDF: 21.0/24

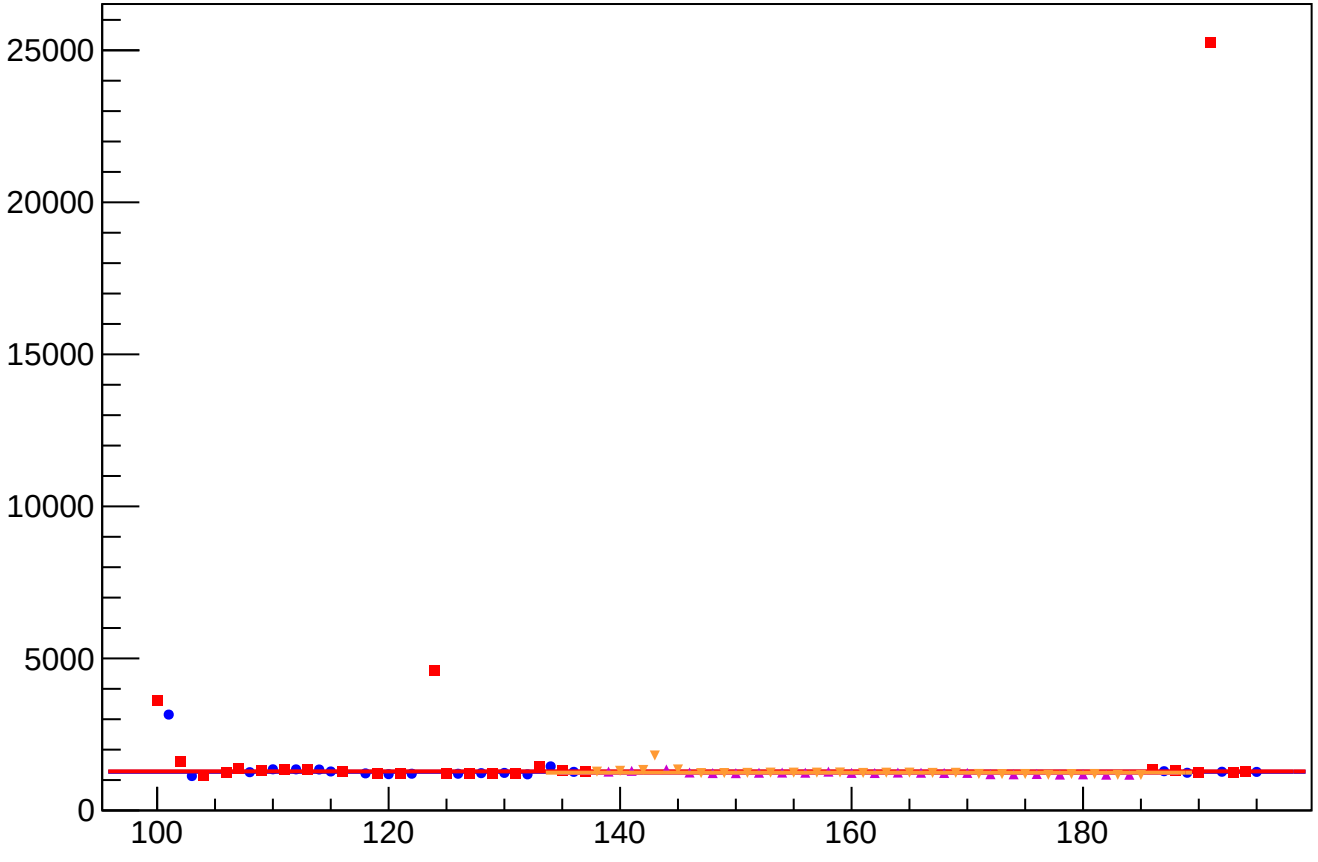
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -69.941+/-233.244 χ^2/NDF: 44.5/44

All: 53.510+/-164.875 χ^2/NDF: 81.0/92

- sign 176.801+/-233.093 χ^2/NDF: 35.9/47

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

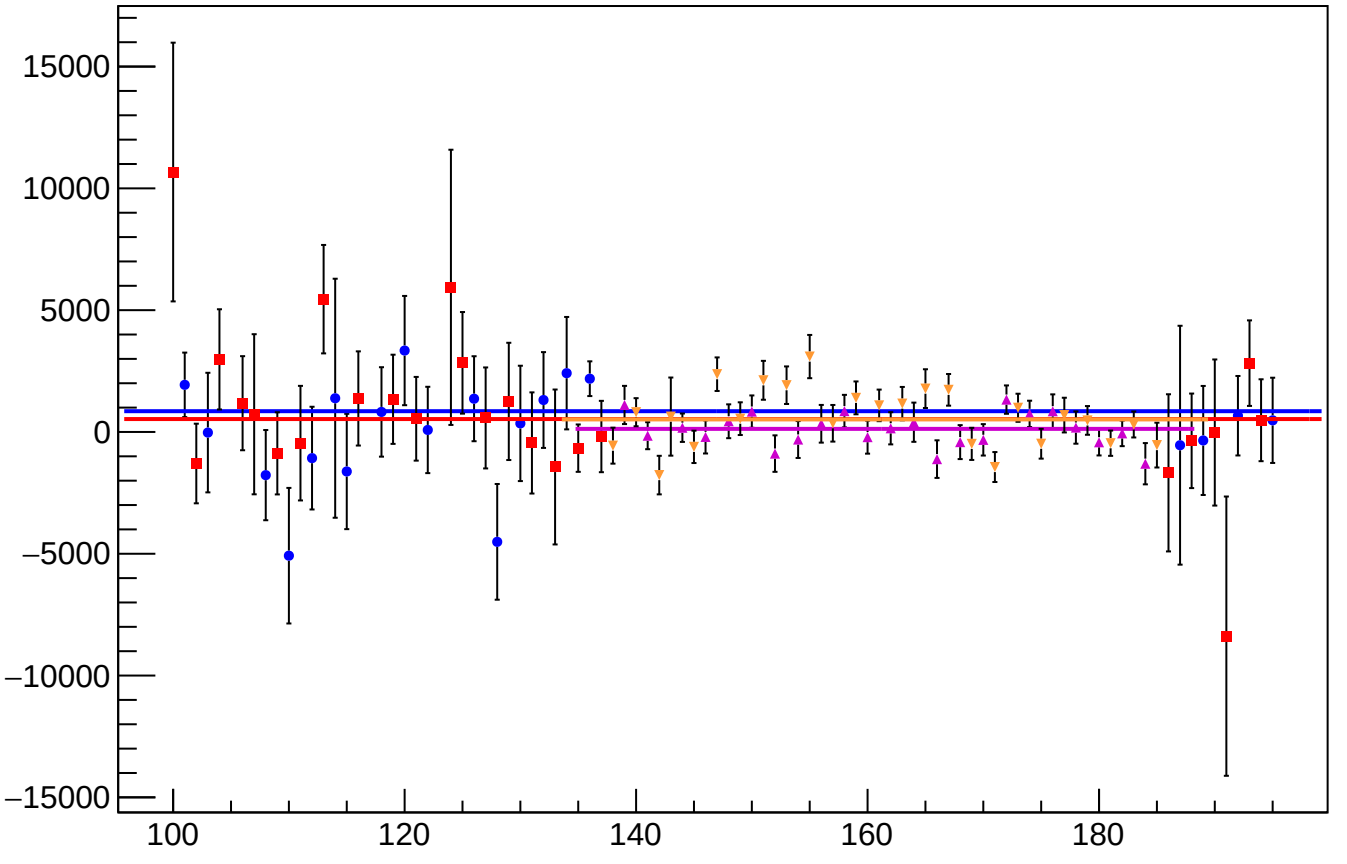
Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729679.4/44

All: 1251.734+/-0.117 χ^2/NDF: 1259106.1/92

- sign 1251.660+/-0.165 χ^2/NDF: 529426.3/47



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: 529.973+/-396.869 χ^2/NDF: 22.0/24

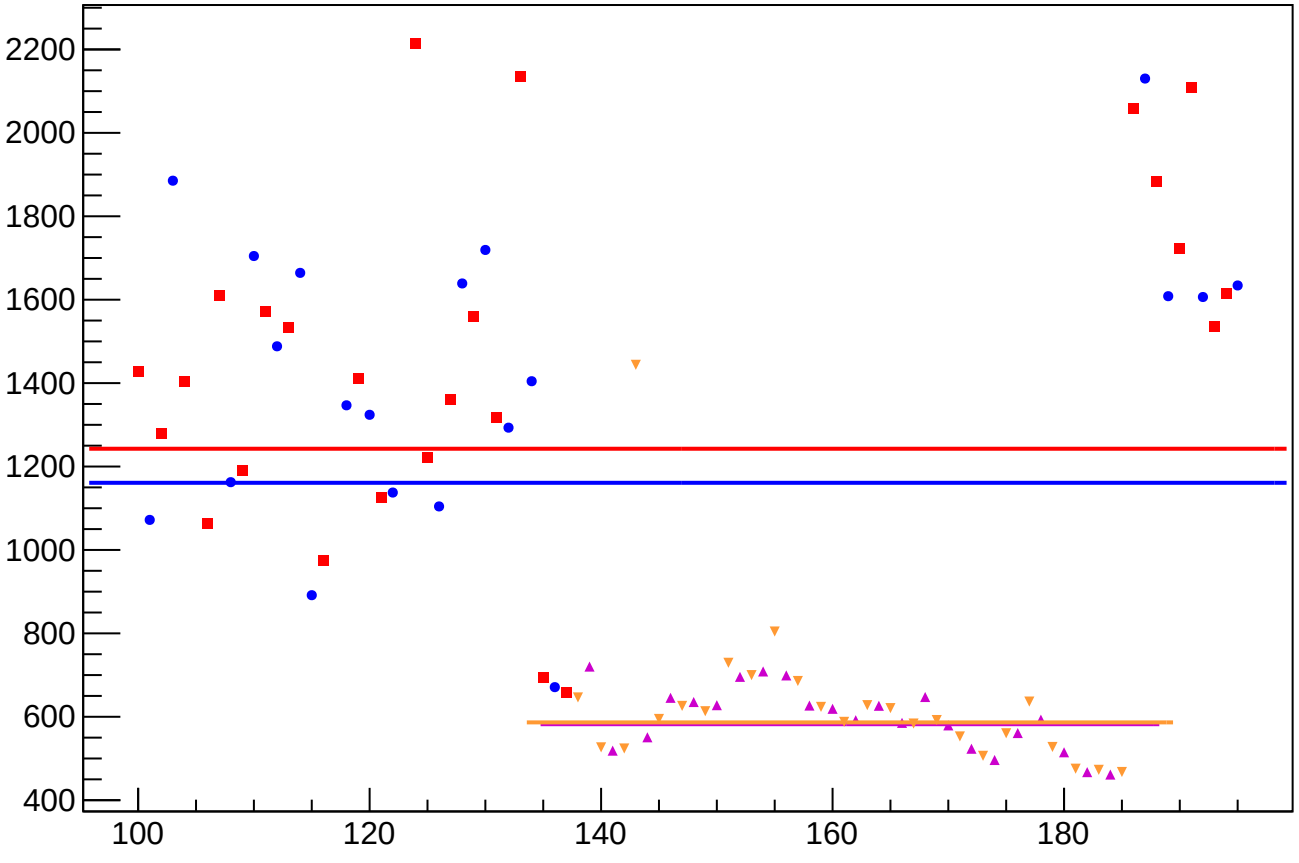
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.526+/-128.325 χ^2/NDF: 88.1/44

All: 363.177+/-91.231 χ^2/NDF: 136.9/92

- sign 169.671+/-129.726 χ^2/NDF: 44.5/47

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

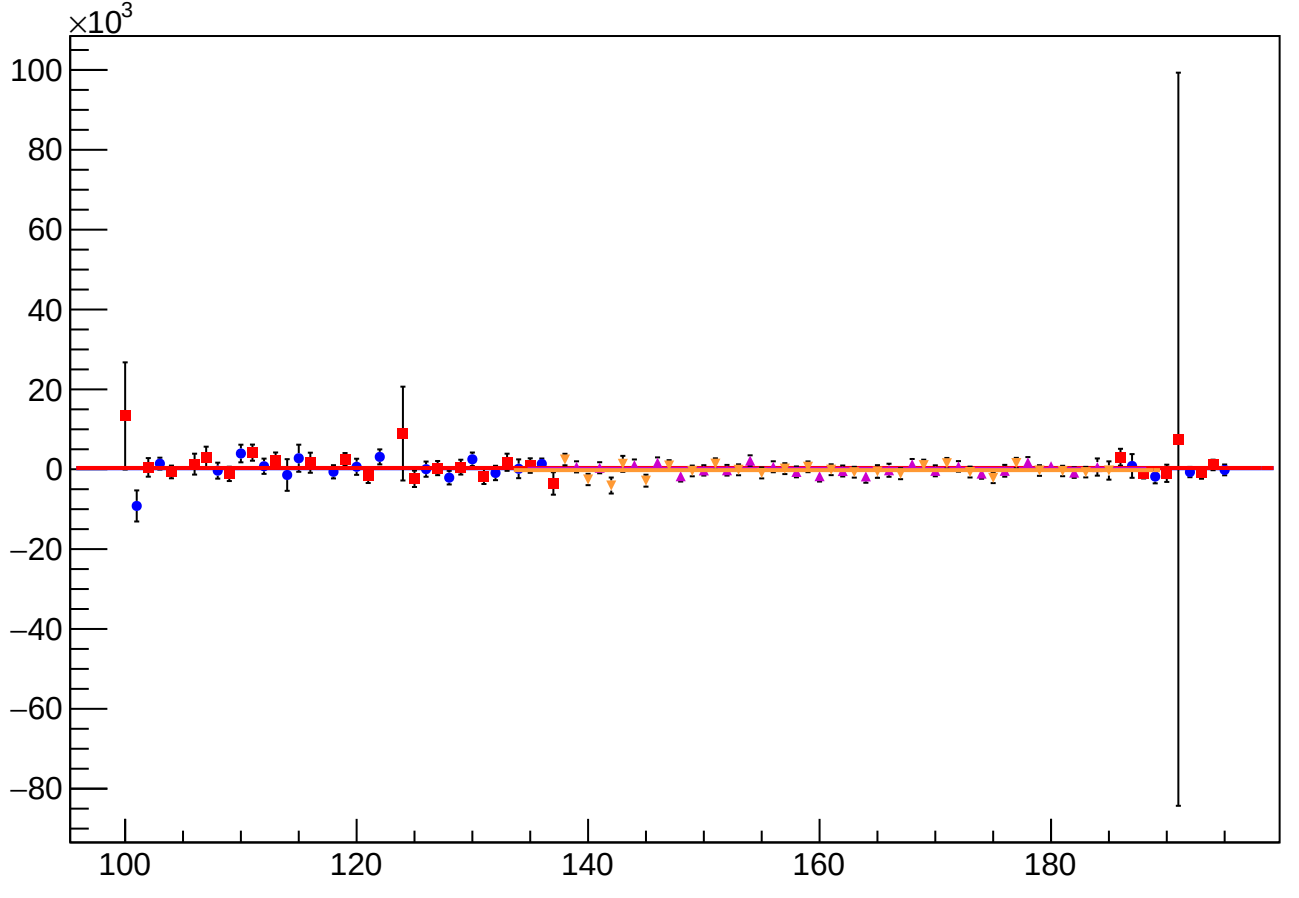
Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 647.648+/-0.091 χ^2/NDF: 7021324.1/44

All: 650.176+/-0.065 χ^2/NDF: 14539169.8/92

- sign 652.759+/-0.092 χ^2/NDF: 7516276.5/47



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: 322.039+/-396.764 χ^2/NDF: 20.9/24

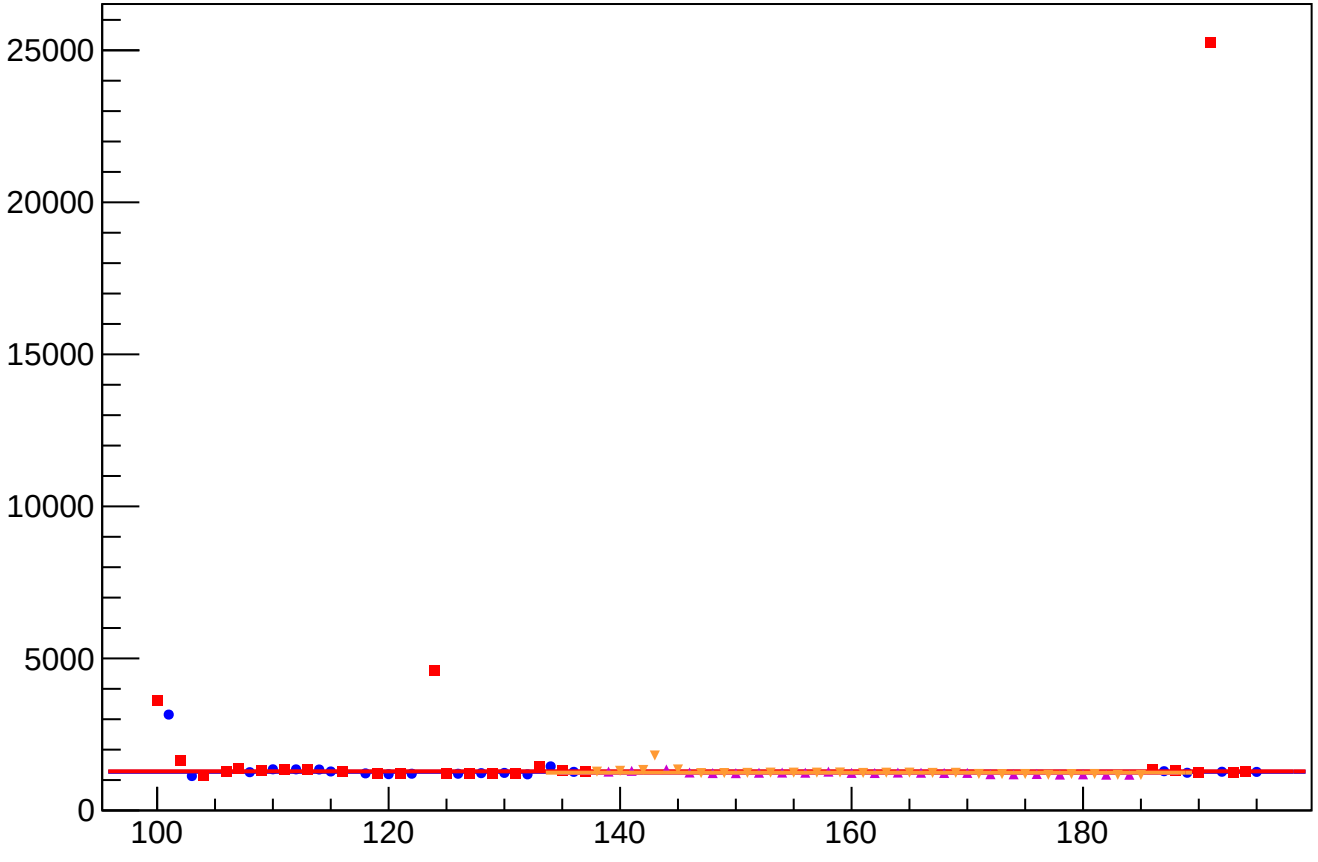
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 50.969+/-164.908 χ^2/NDF: 80.9/92

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

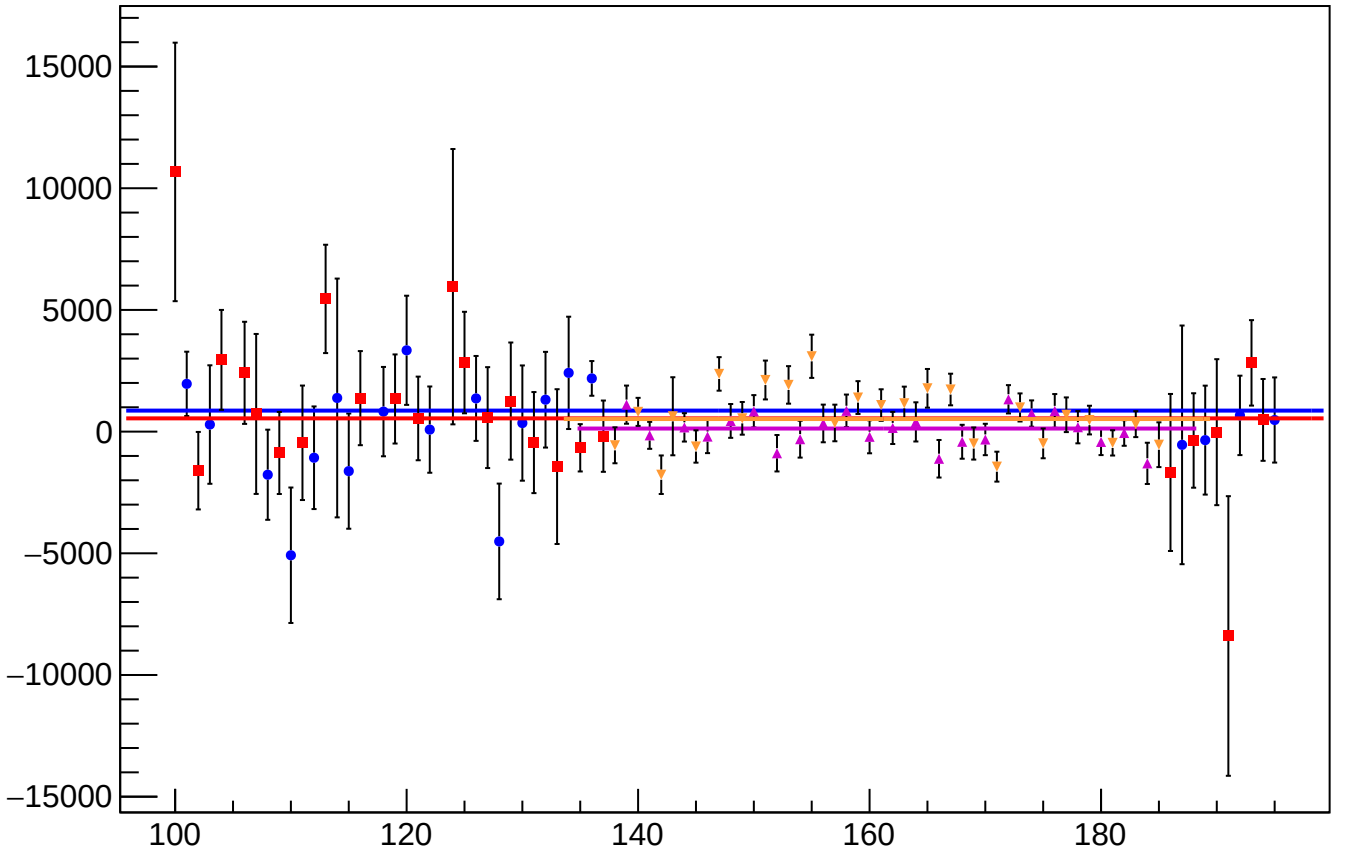
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

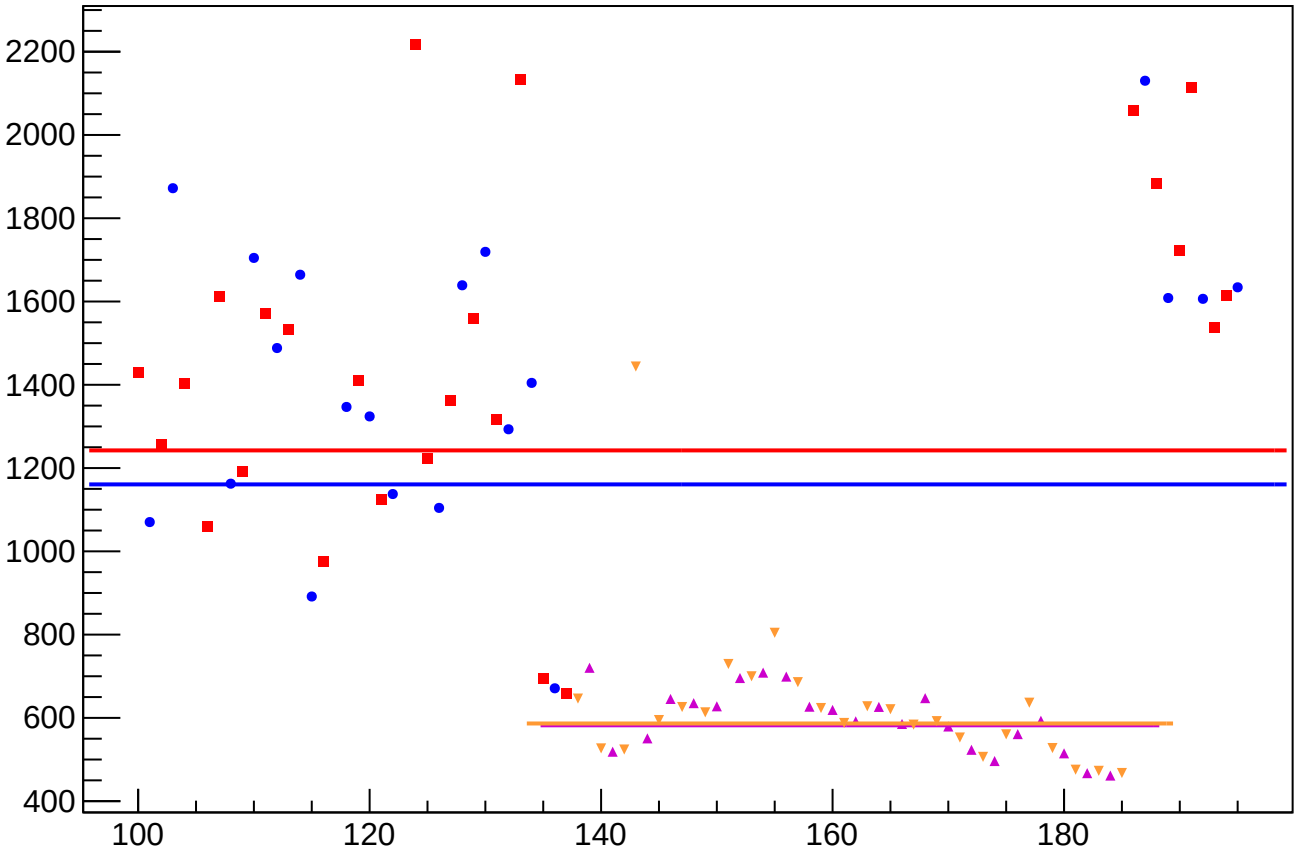
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 364.484+/-91.237 χ^2/NDF: 138.2/92

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



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: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

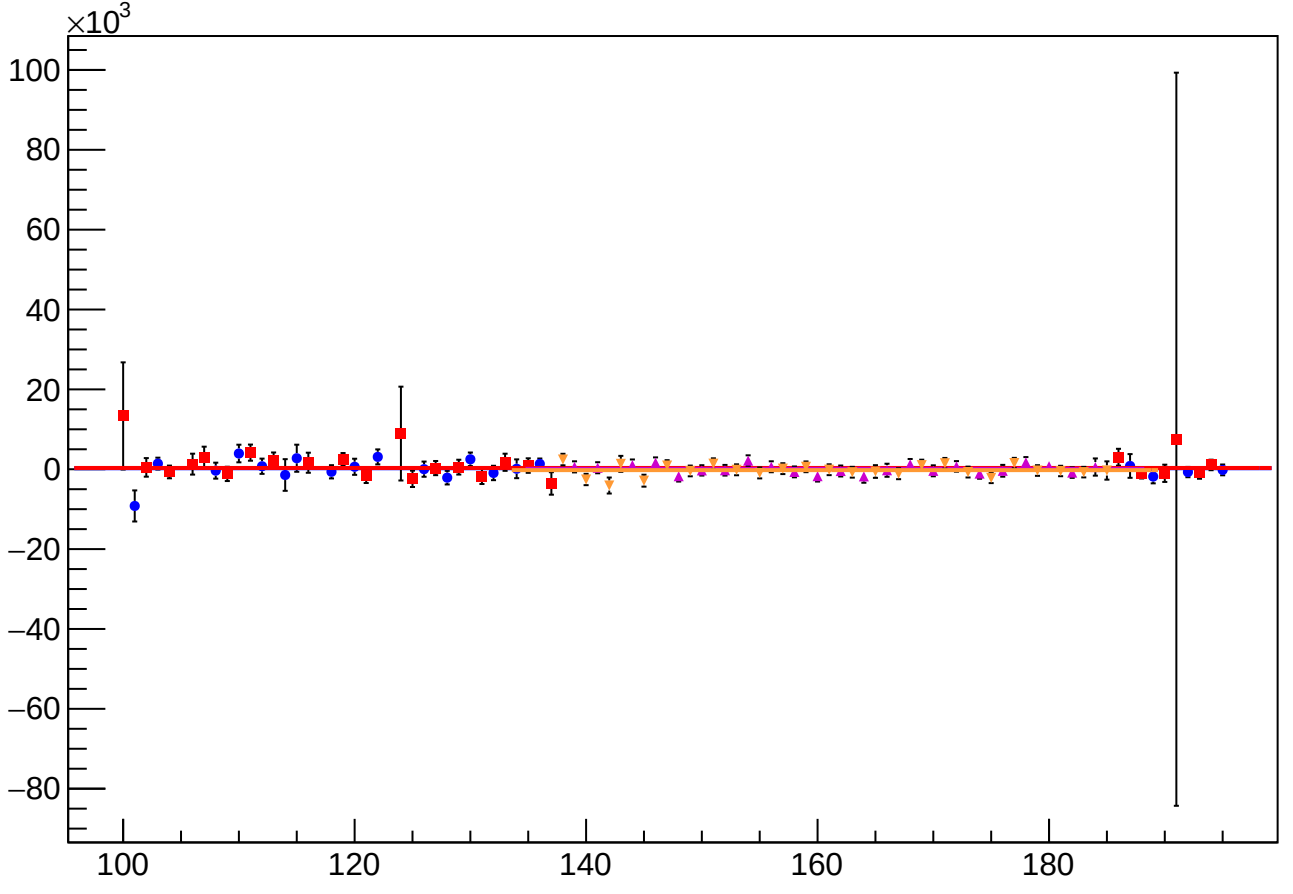
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47

eigen_cor_asym_atl_dd_atr_dd_dd_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: 322.039+/-396.764 χ^2/NDF: 20.9/24

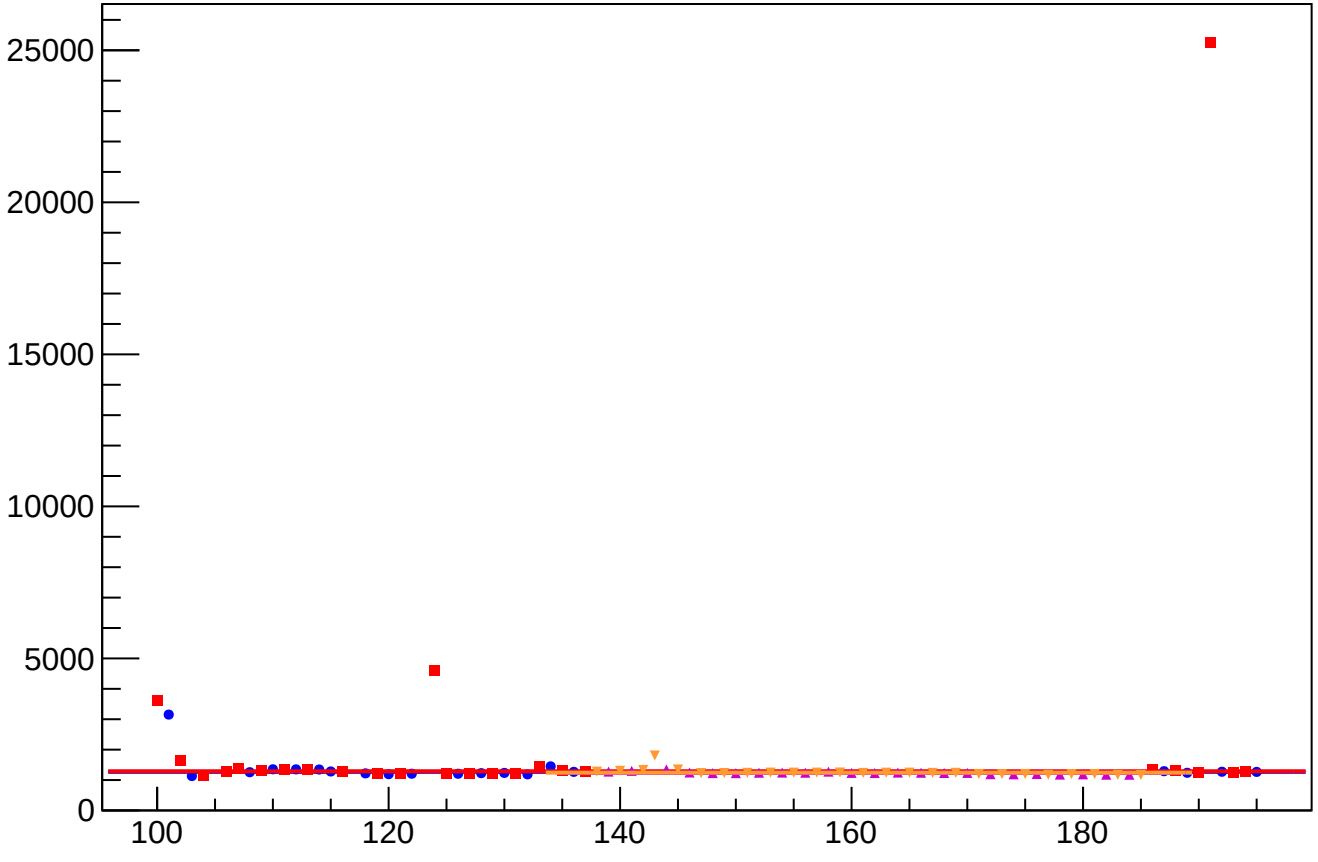
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 50.969+/-164.908 χ^2/NDF: 80.9/92

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

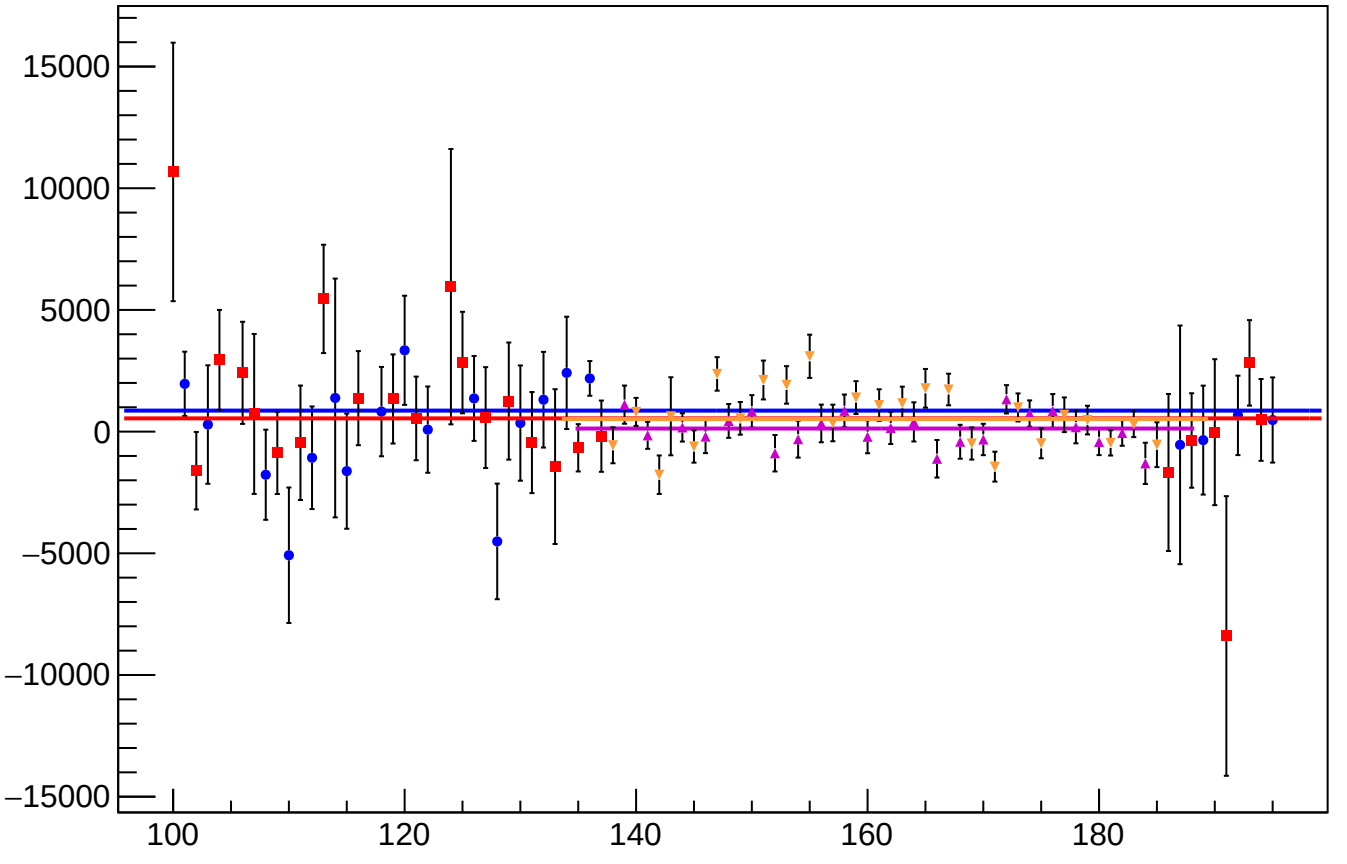
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

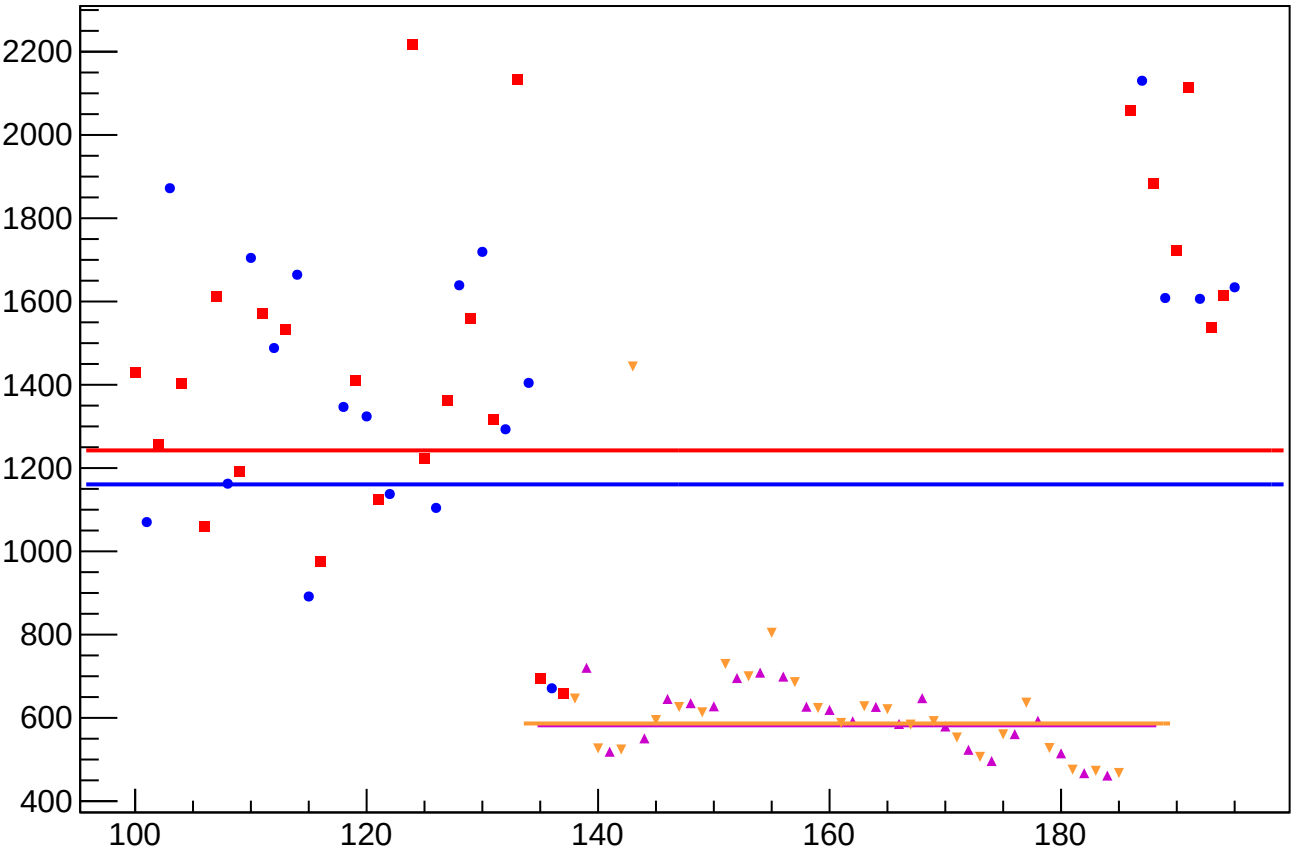
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 364.484+/-91.237 χ^2/NDF: 138.2/92

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

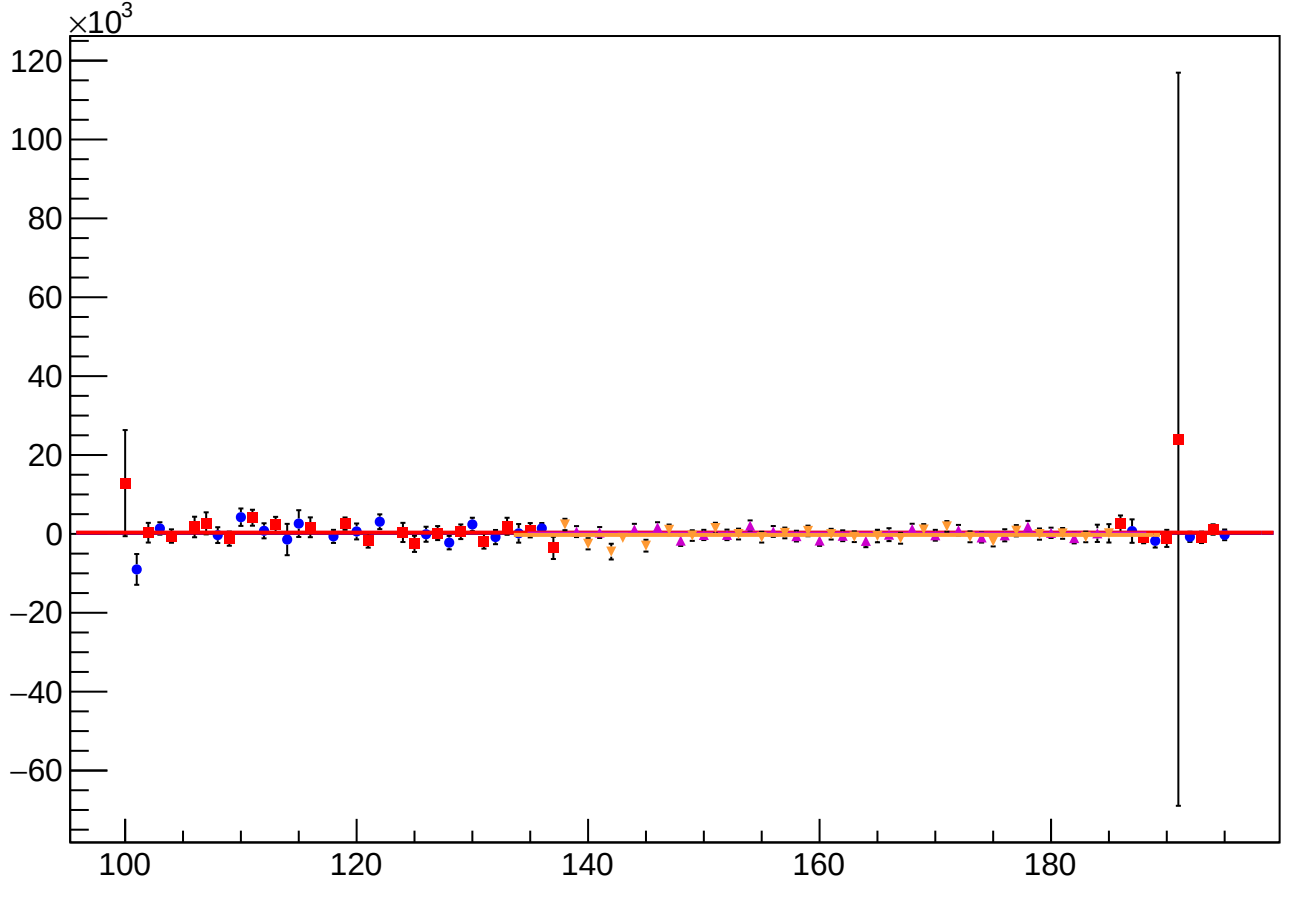
Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47



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: 316.862+/-394.407 χ^2/NDF: 20.4/24

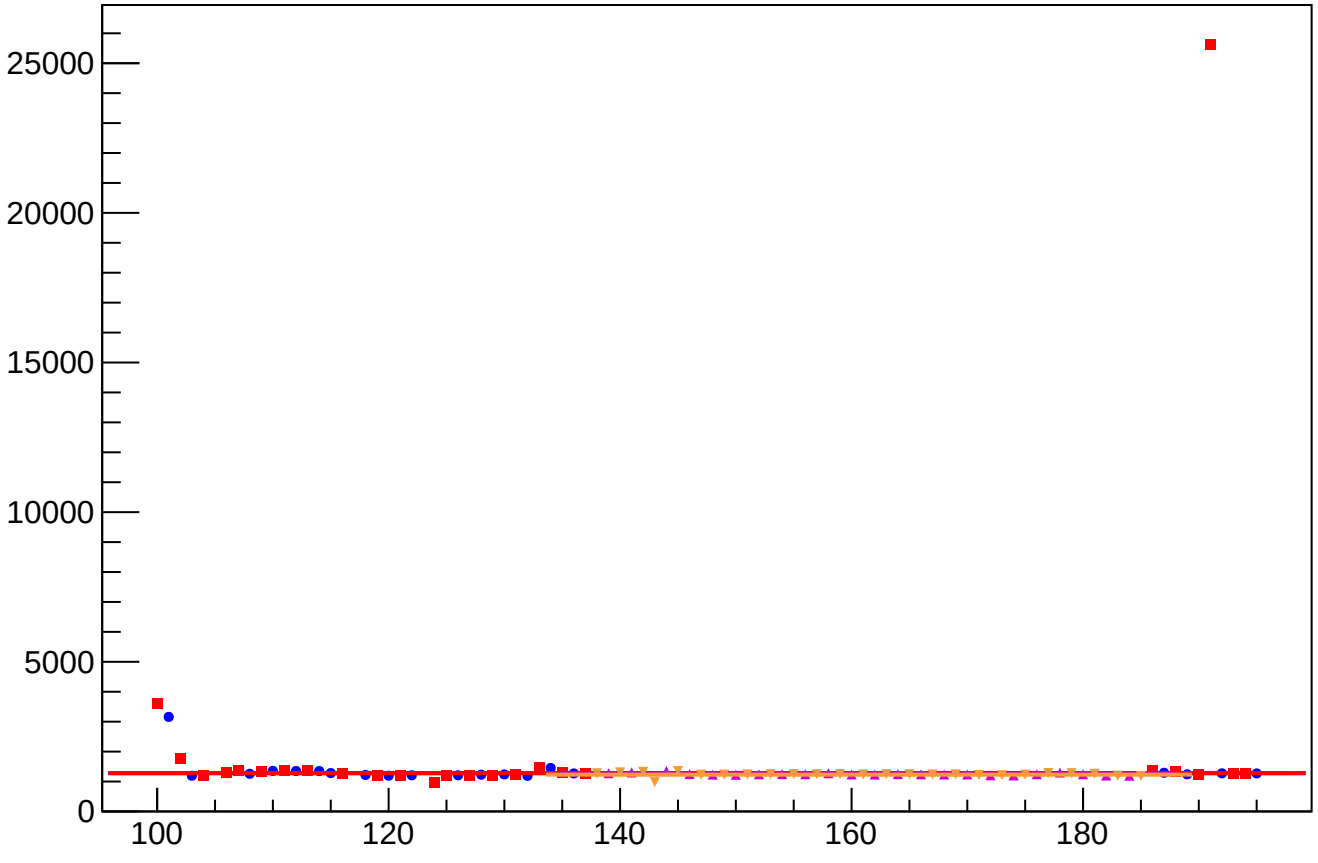
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.788+/-231.839 χ^2/NDF: 44.7/44

All: 30.369+/-164.833 χ^2/NDF: 80.0/92

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

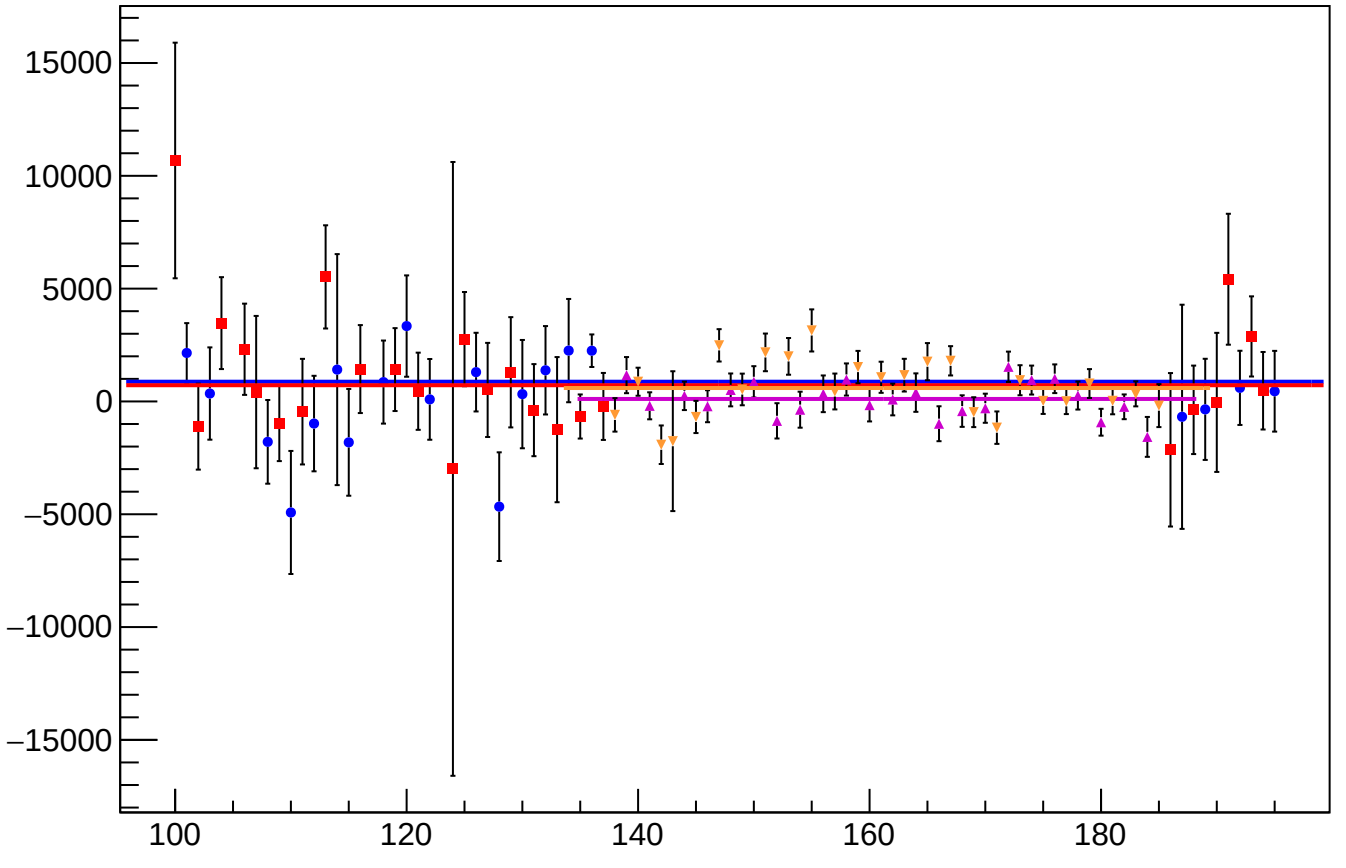
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667875.3/44

All: 1252.352+/-0.117 χ^2/NDF: 1077695.8/92

- sign 1259.991+/-0.166 χ^2/NDF: 405618.7/47



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: 718.604+/-401.132 χ^2/NDF: 22.4/24

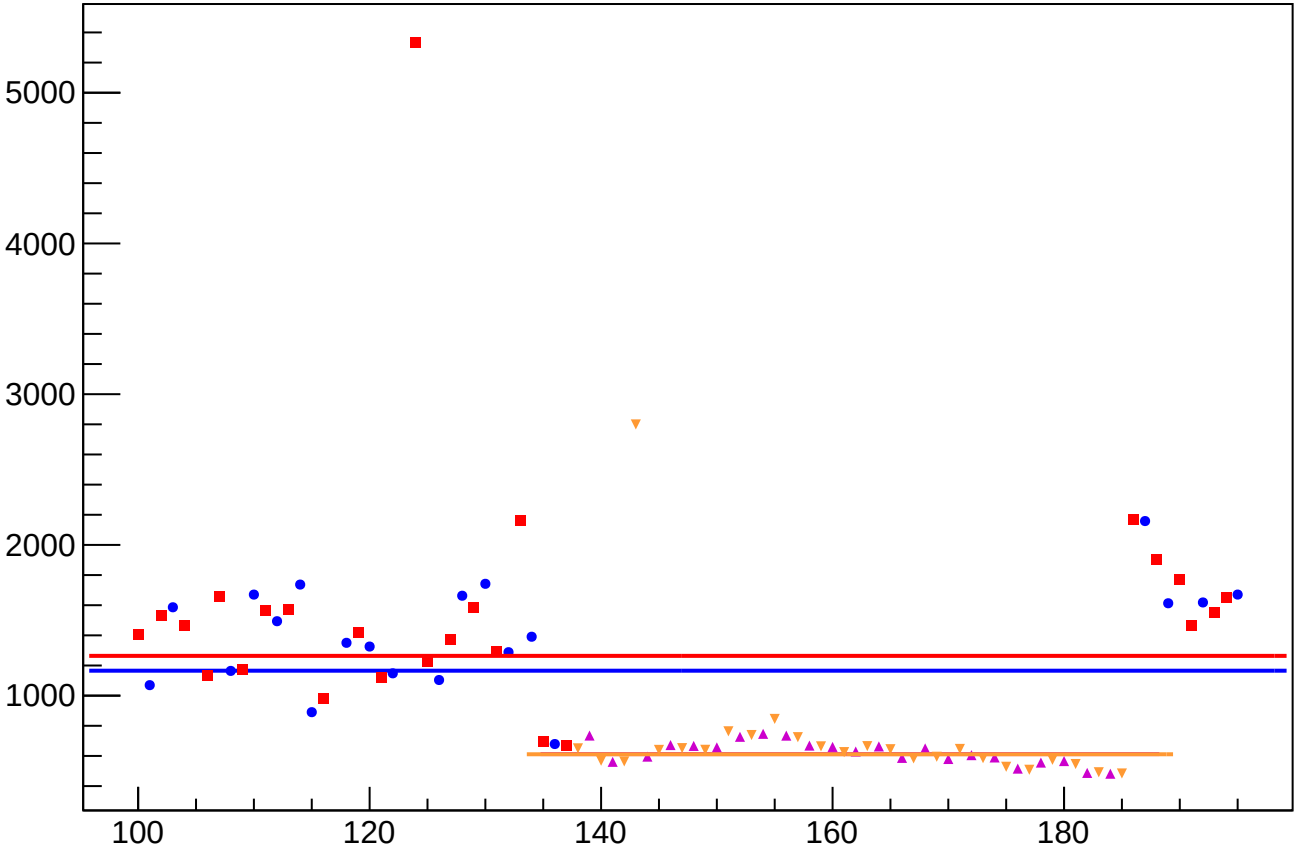
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

\+ sign 627.250+/-133.684 χ^2/NDF: 78.8/44

All: 406.963+/-95.242 χ^2/NDF: 134.4/92

\- sign 179.899+/-135.725 χ^2/NDF: 50.1/47

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

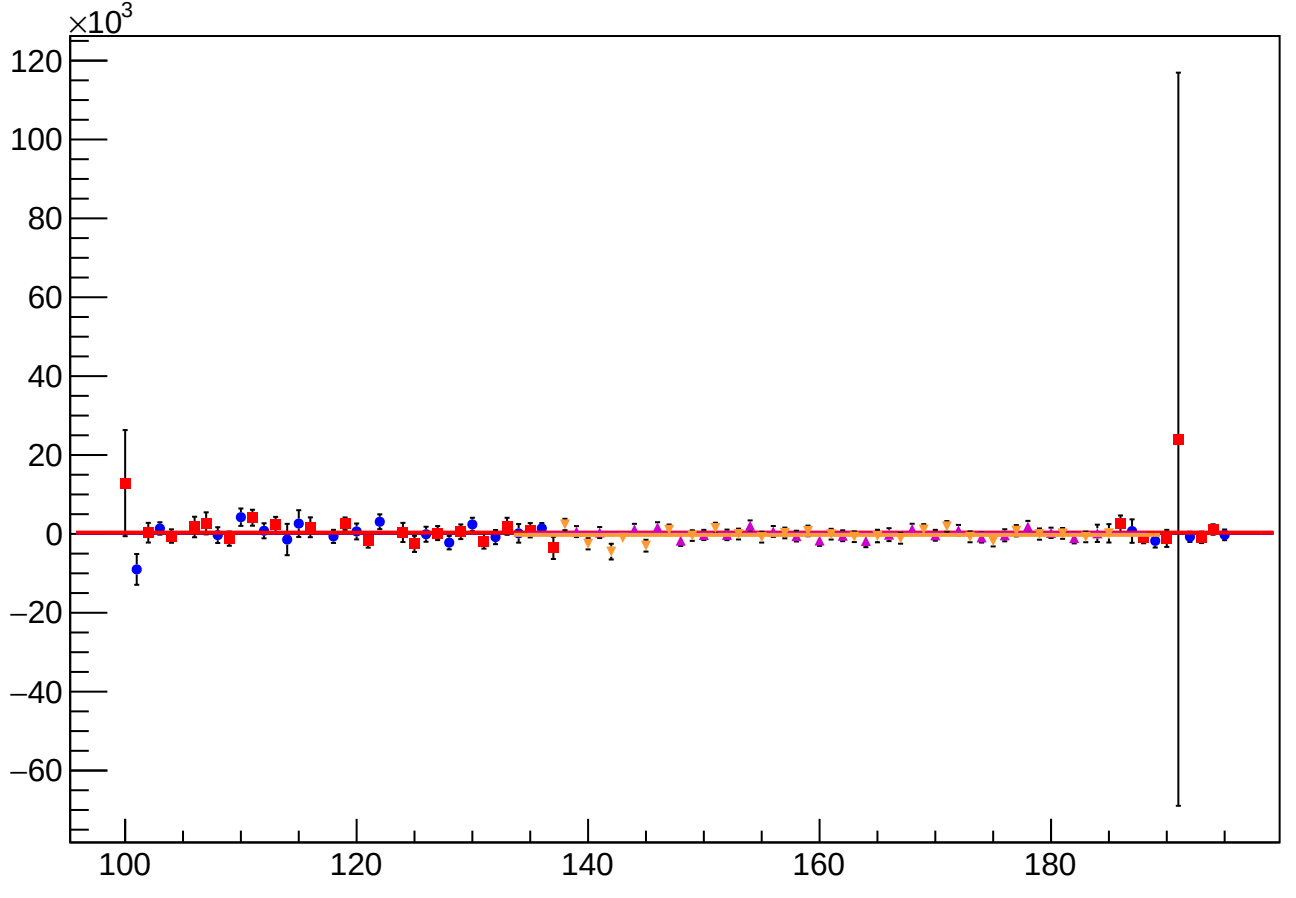
Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034613.9/44

All: 680.916+/-0.067 χ^2/NDF: 14402331.6/92

- sign 686.988+/-0.096 χ^2/NDF: 7359831.0/47



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: 316.861+/-394.407 χ^2/NDF: 20.4/24

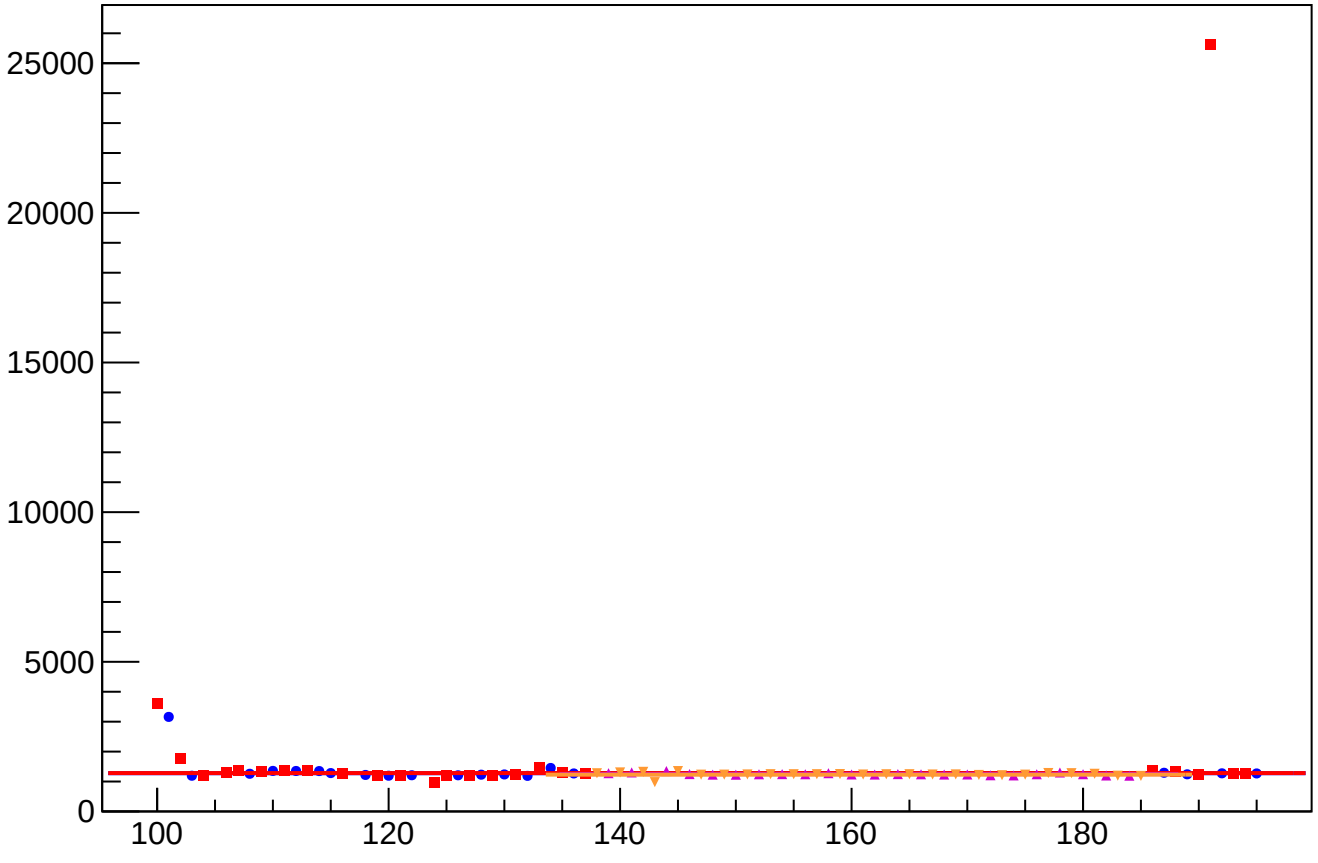
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.789+/-231.839 χ^2/NDF: 44.7/44

All: 30.368+/-164.833 χ^2/NDF: 80.0/92

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

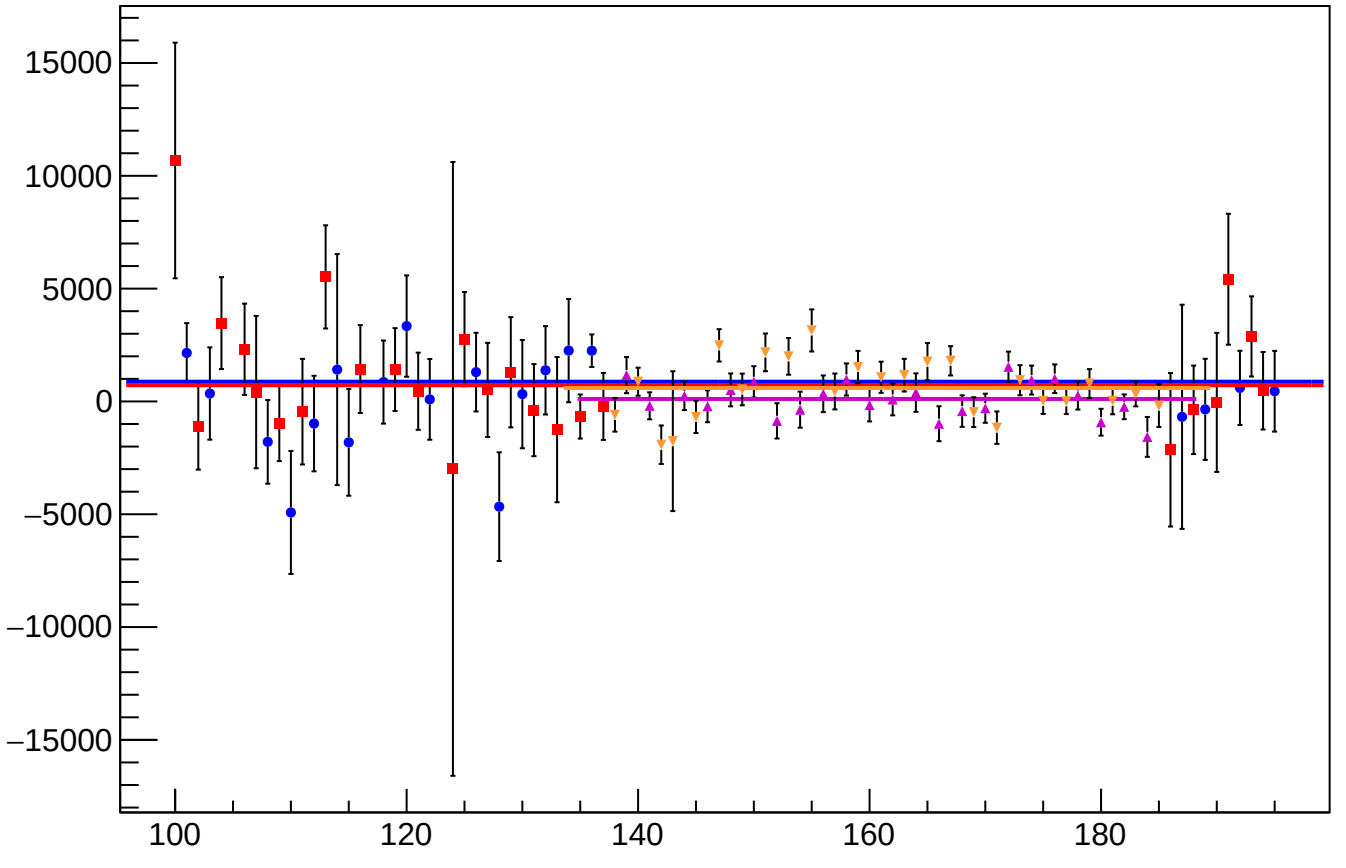
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667874.5/44

All: 1252.352+/-0.117 χ^2/NDF: 1077694.8/92

- sign 1259.991+/-0.166 χ^2/NDF: 405618.6/47



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

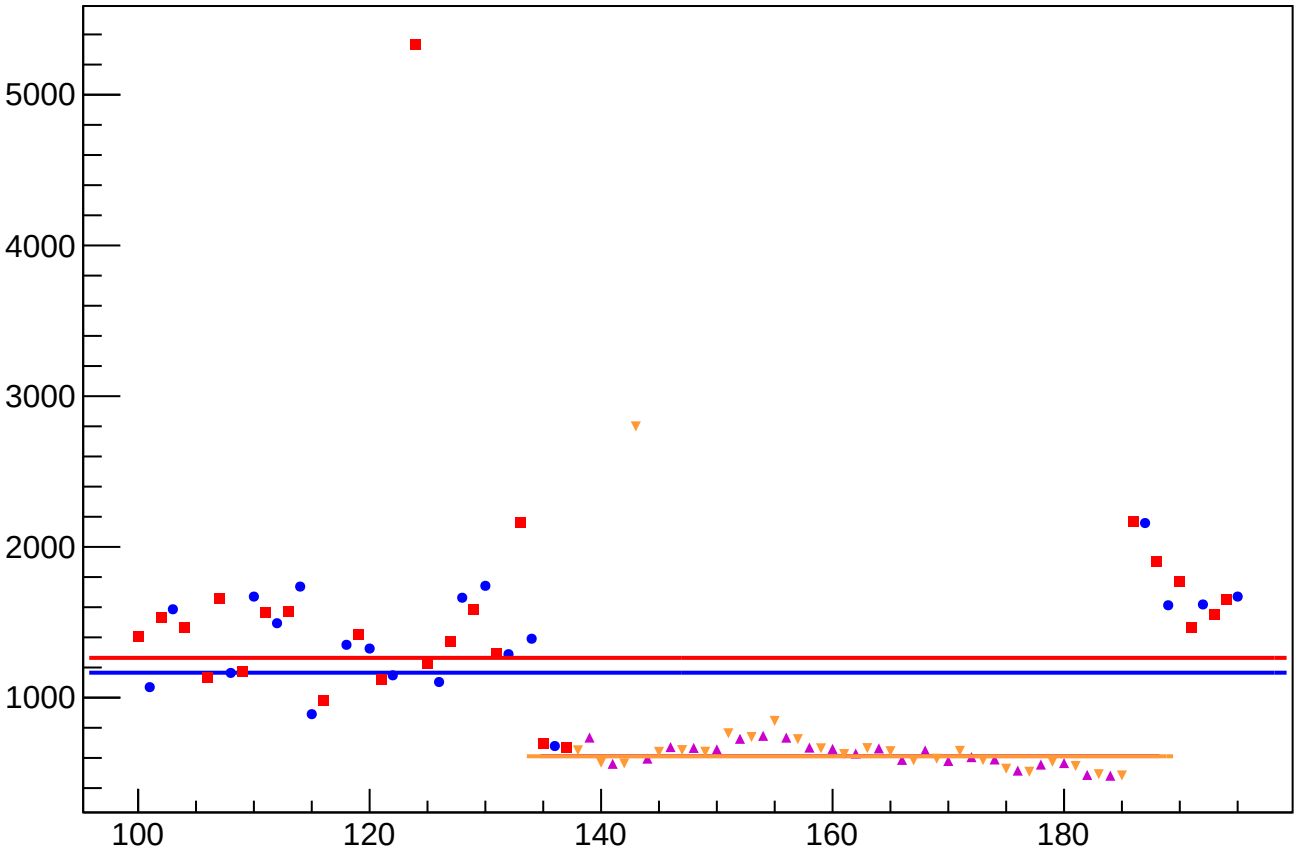
Right Out: 718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 627.249+/-133.684 χ^2/NDF: 78.8/44

All: 406.963+/-95.242 χ^2/NDF: 134.4/92

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



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: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

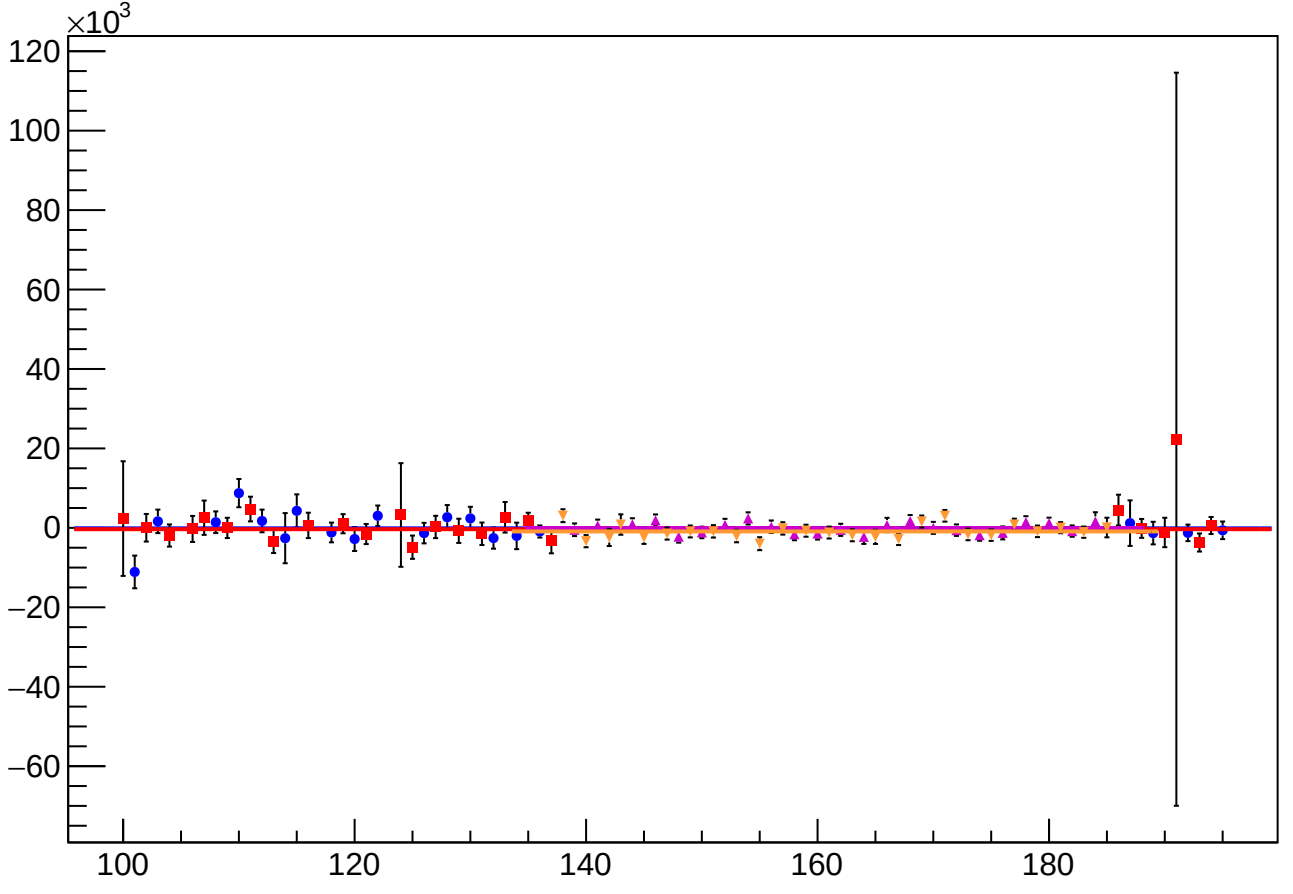
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034598.8/44

All: 680.915+/-0.067 χ^2/NDF: 14402321.1/92

- sign 686.987+/-0.096 χ^2/NDF: 7359836.3/47

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: -335.810+/-600.826 χ^2/NDF: 14.4/24

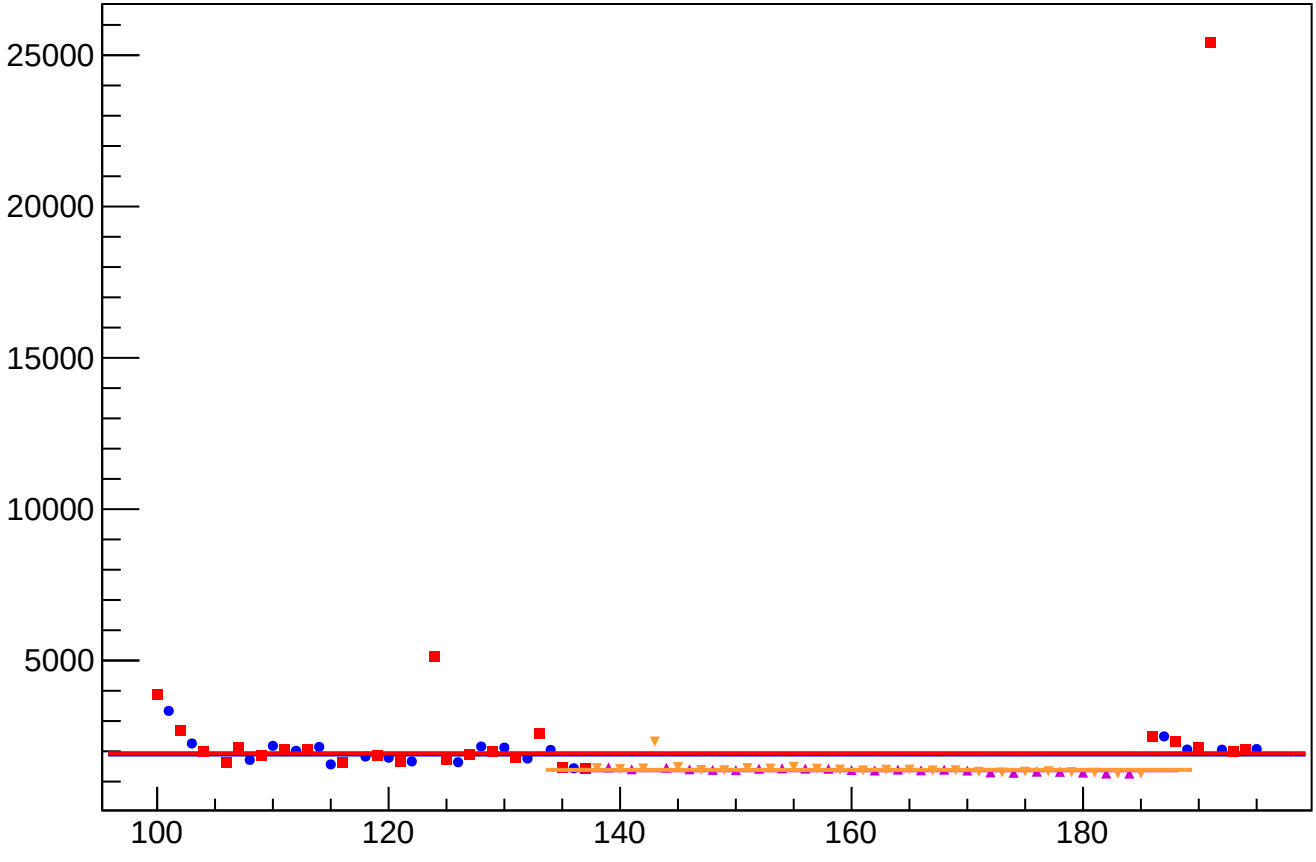
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -738.869+/-281.488 χ^2/NDF: 53.0/44

All: -427.212+/-199.602 χ^2/NDF: 87.9/92

- sign -112.026+/-283.077 χ^2/NDF: 32.4/47

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

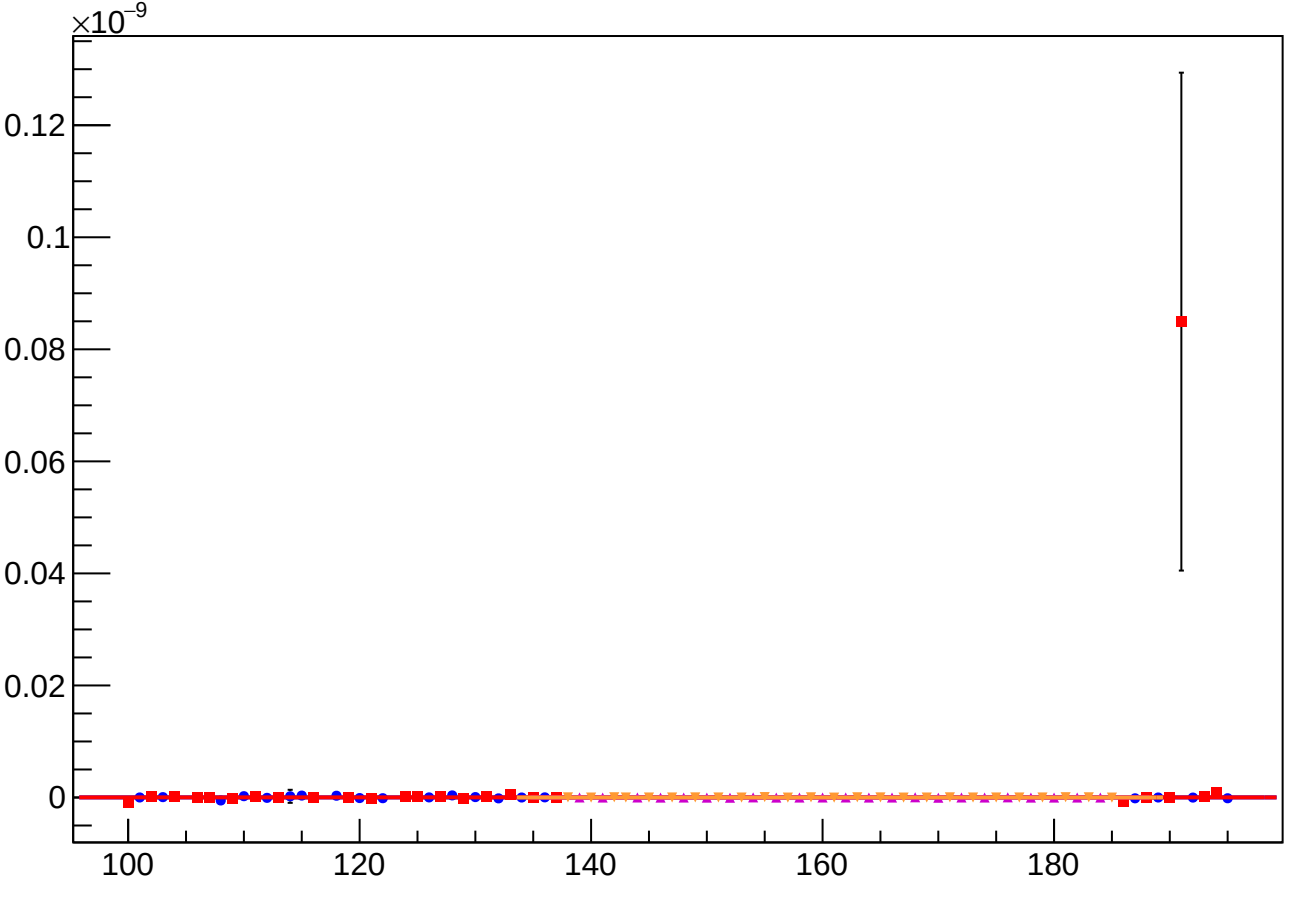
Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1492.667+/-0.199 χ^2/NDF: 2033528.1/44

All: 1495.575+/-0.141 χ^2/NDF: 4254919.7/92

- sign 1498.517+/-0.200 χ^2/NDF: 2220962.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

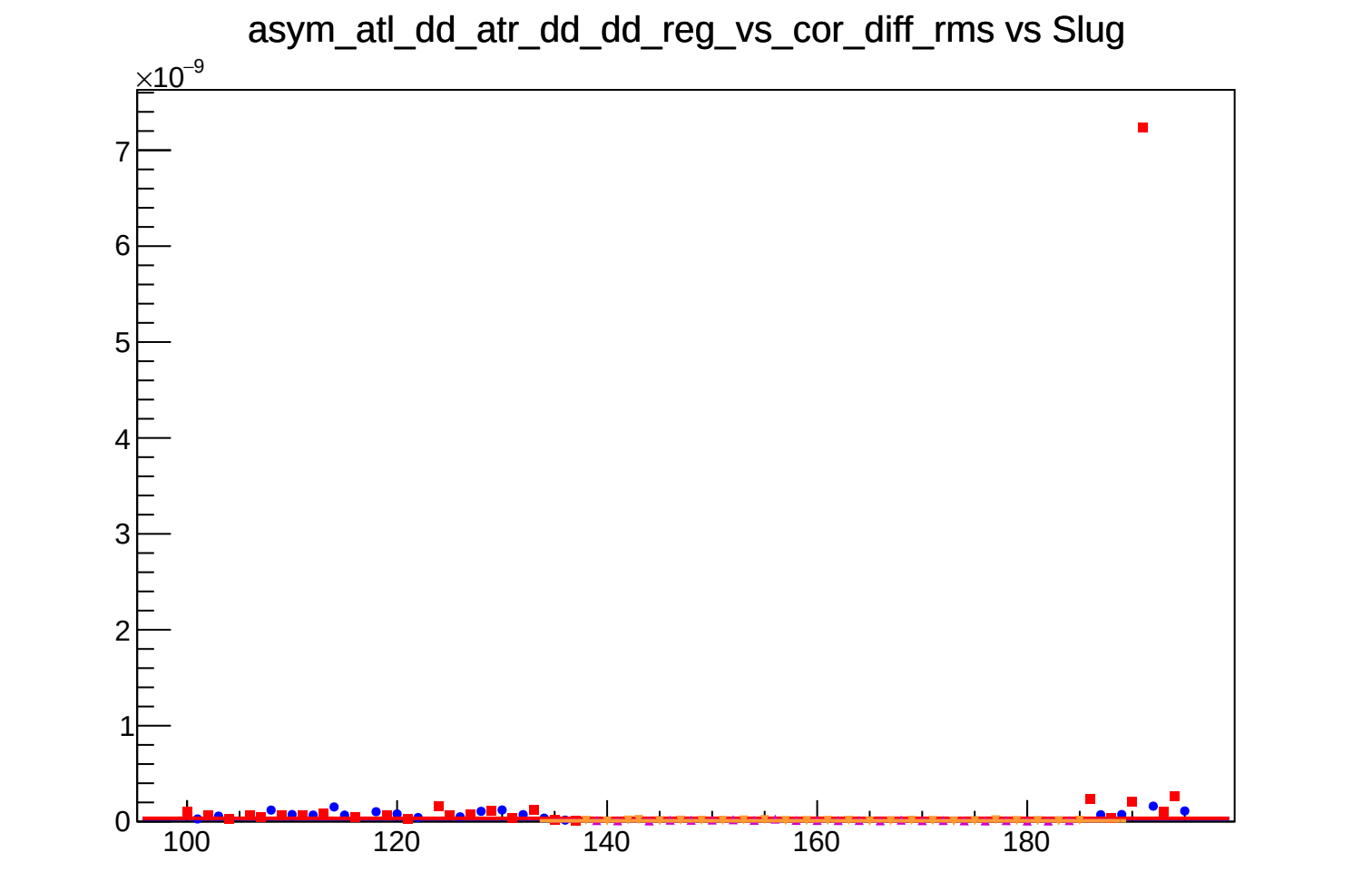
Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/24

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: 97.8/92

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47



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: 3953352.2/24

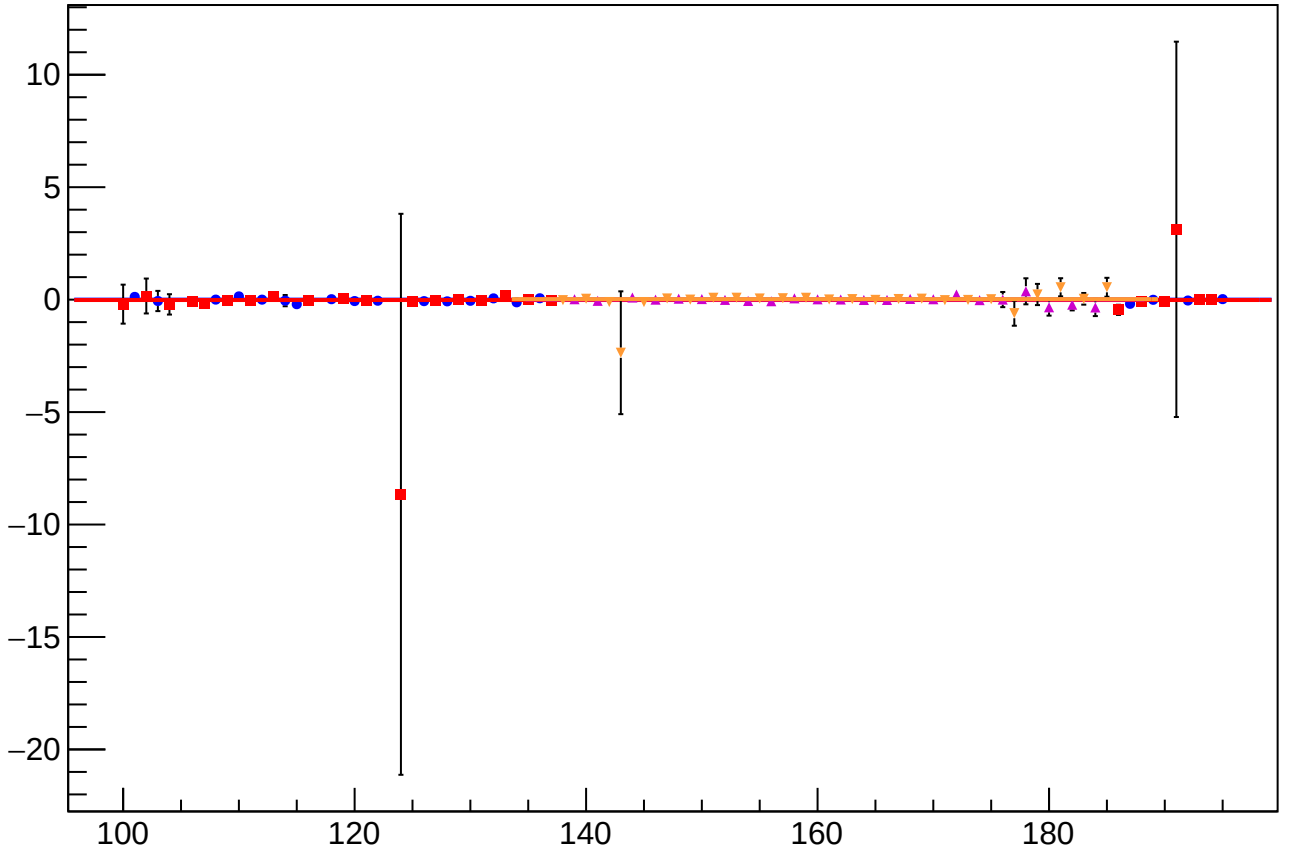
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8109031.9/44

All: 0.000+/-0.000 χ^2/NDF: 15983039.7/92

- sign 0.000+/-0.000 χ^2/NDF: 7608358.4/47

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



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: -0.017+/-0.014 χ^2/NDF: 20.3/24

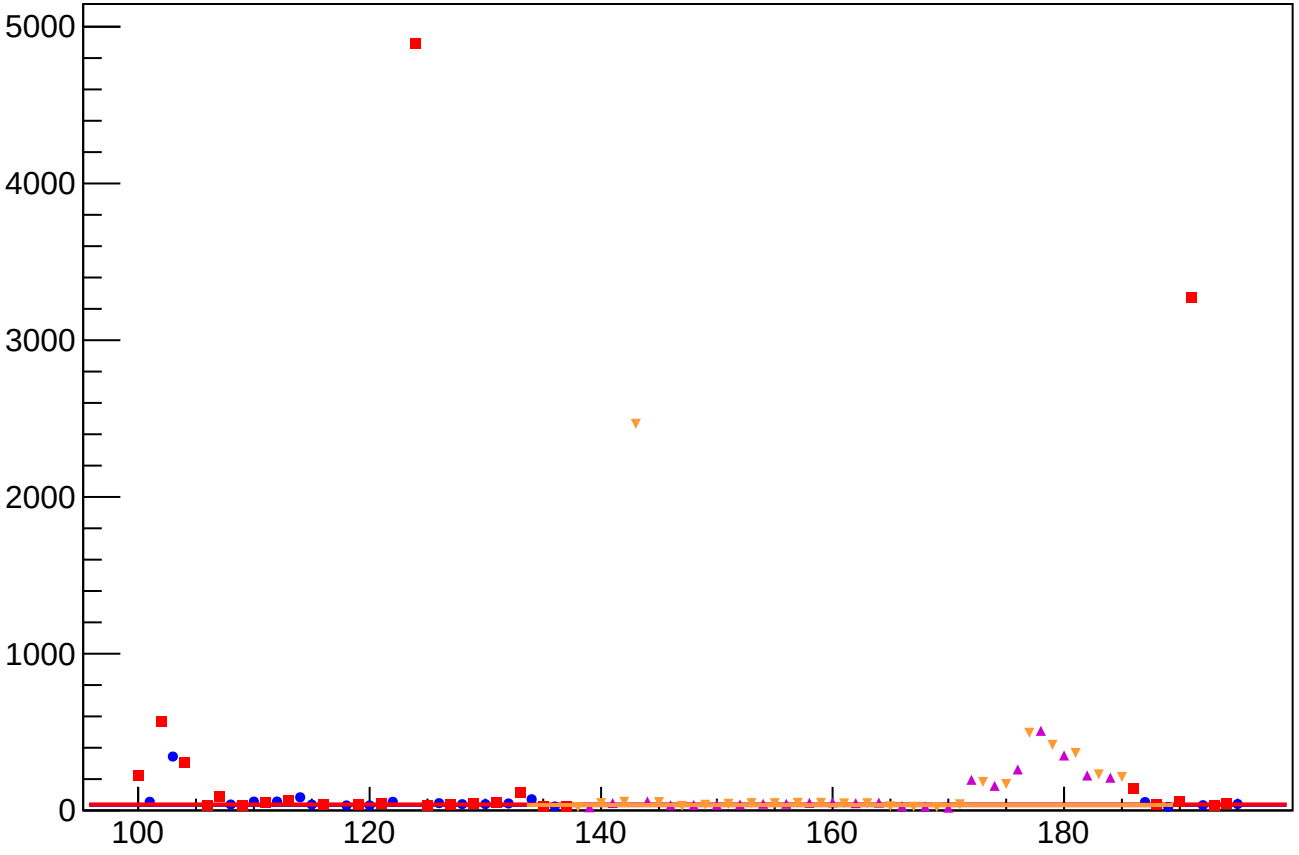
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

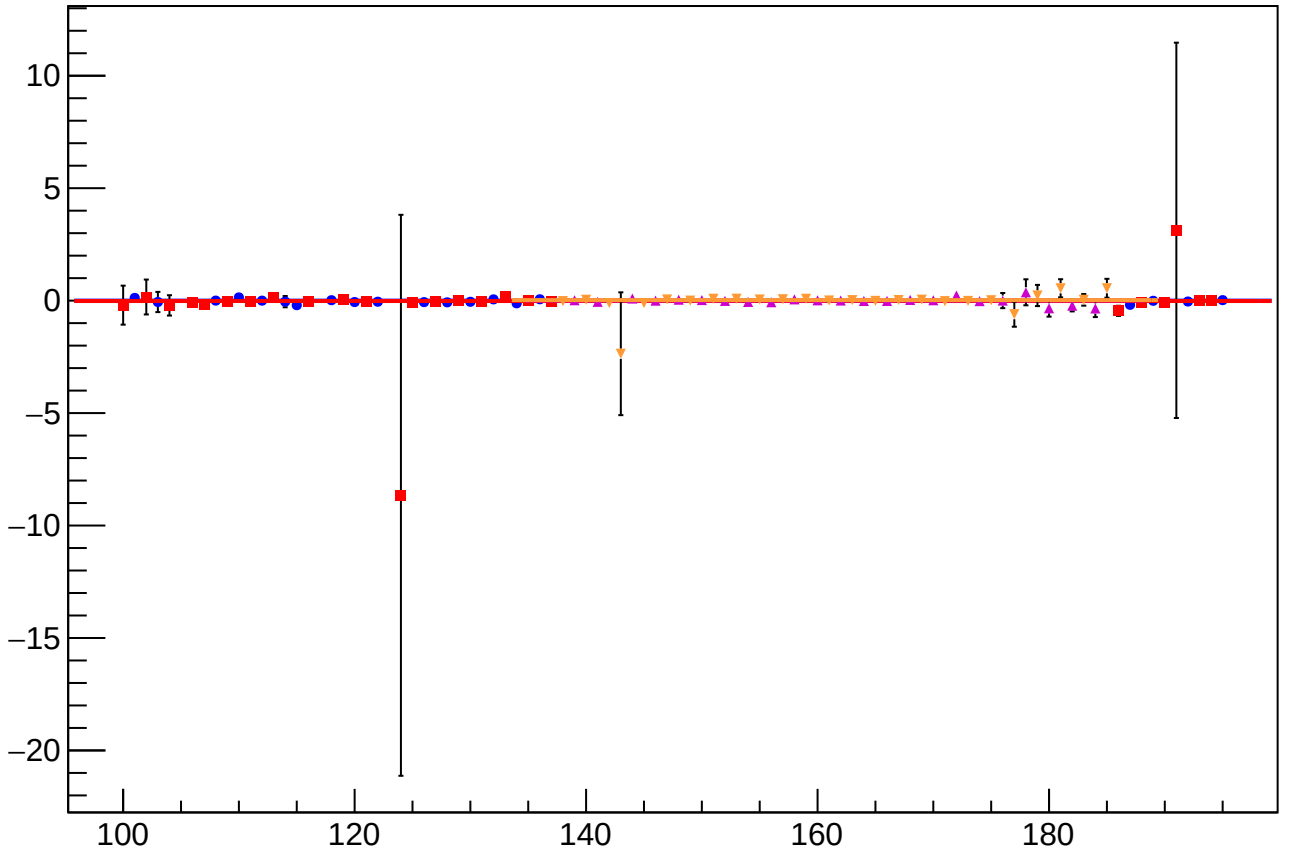
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



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: -0.017+/-0.014 χ^2/NDF: 20.3/24

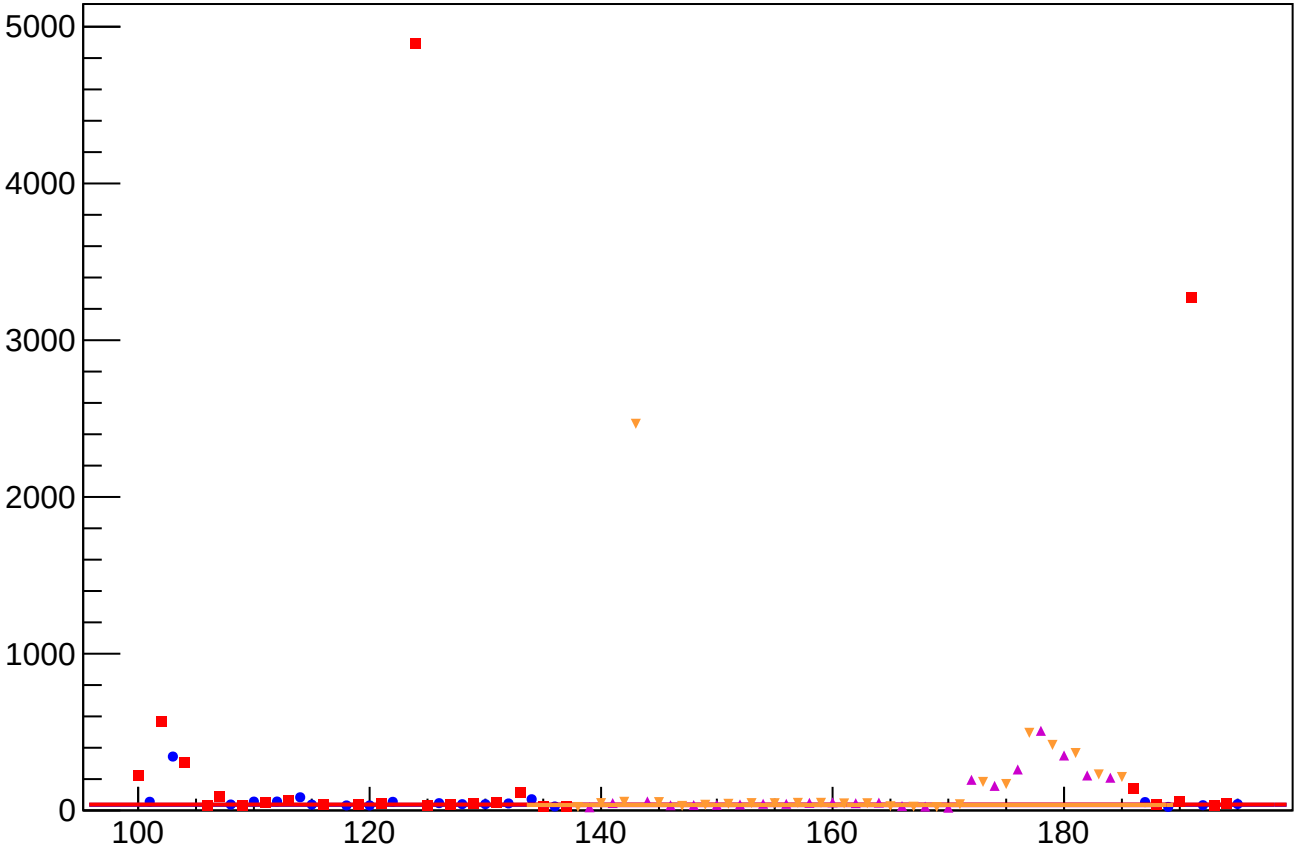
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

asym_atl_dd_atr_dd_dd_dit_vs_eigen_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

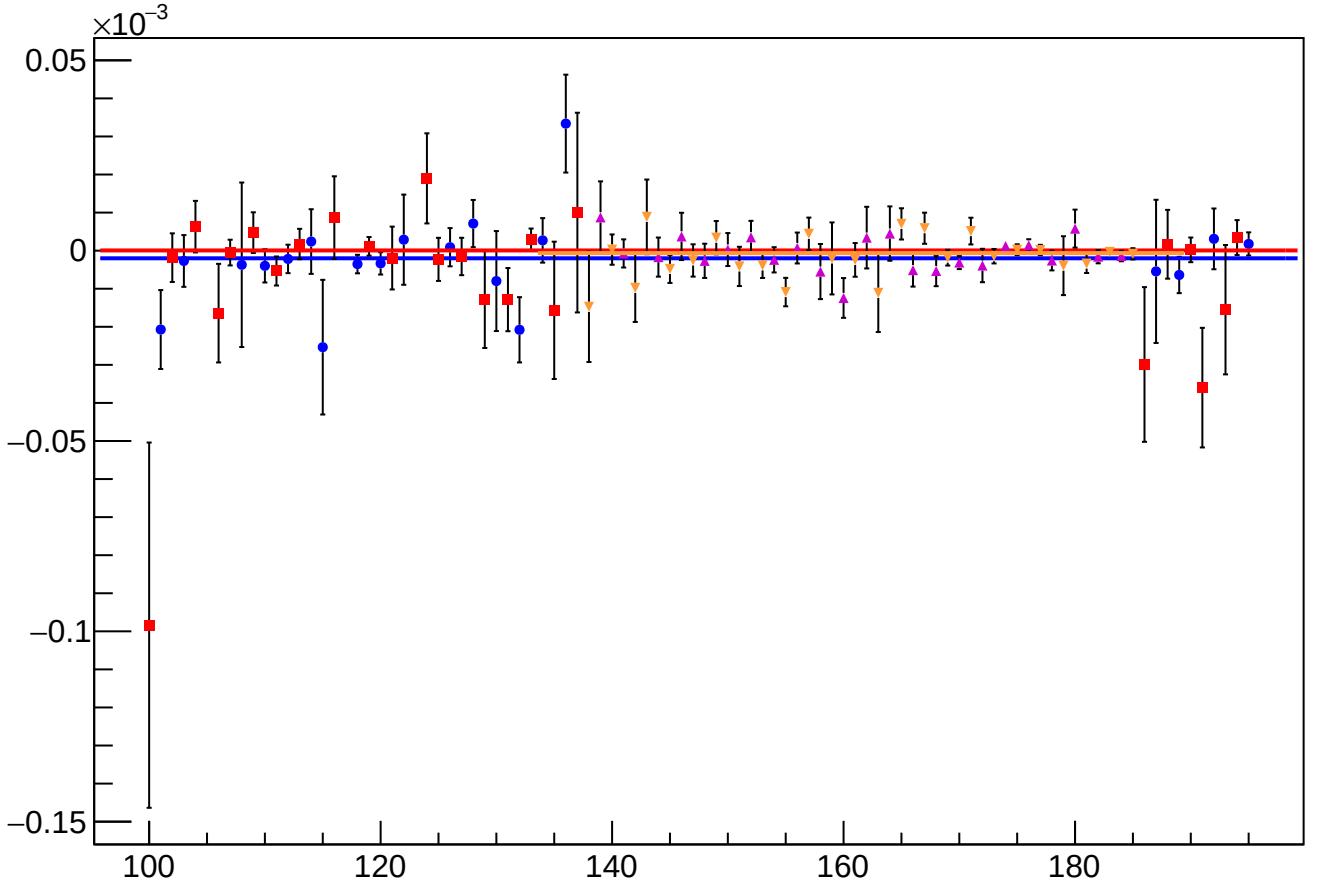
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

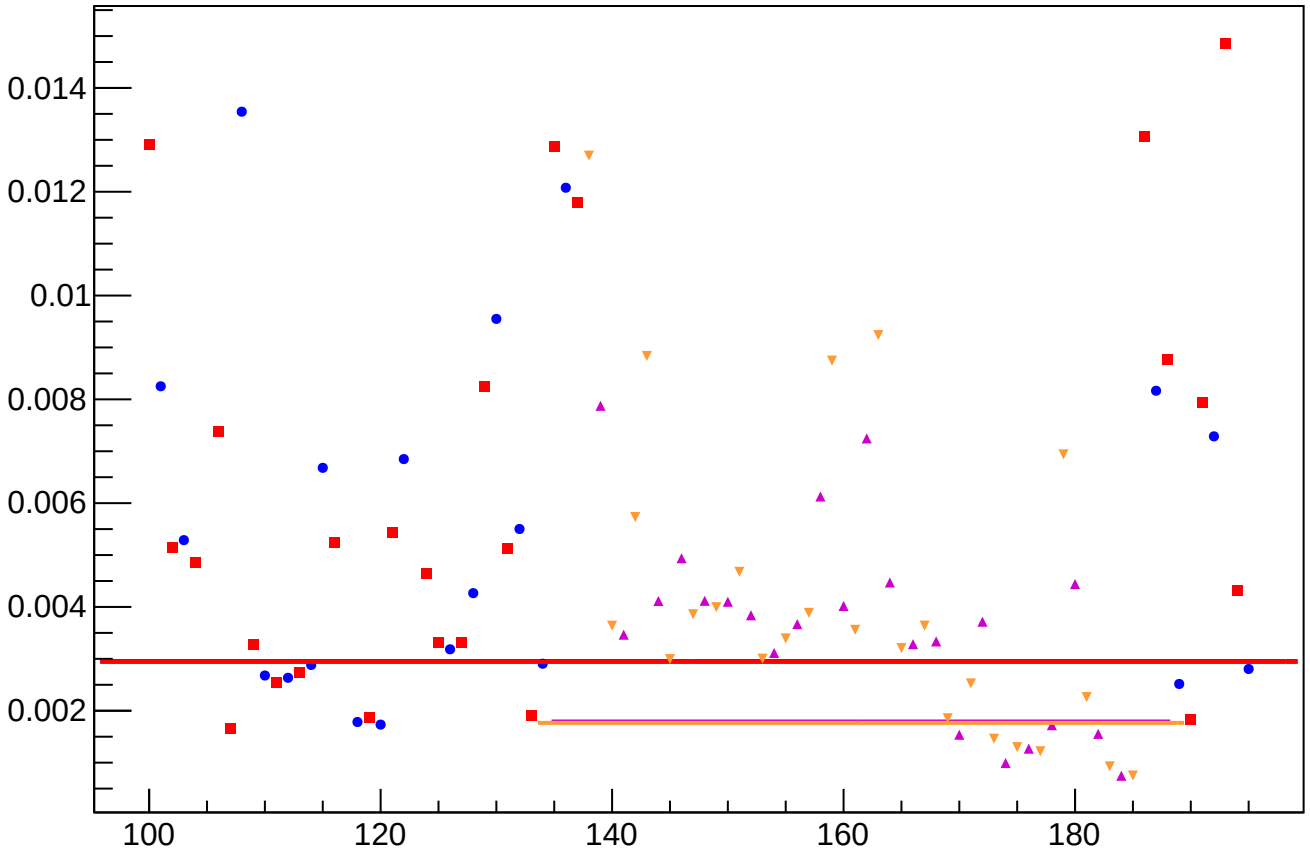
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

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: 104.7/92

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

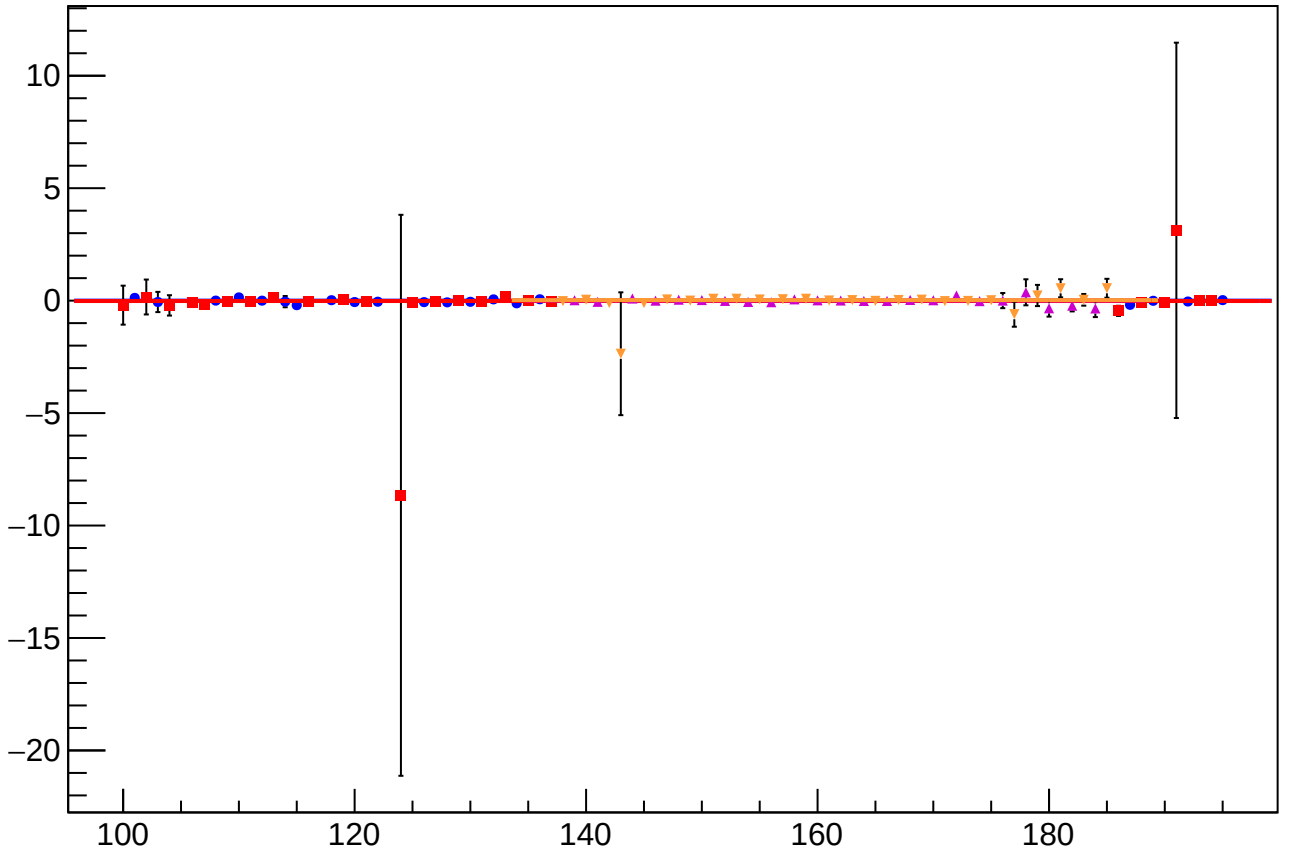
Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

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: 38559735.7/92

- sign 0.002+/-0.000 χ^2/NDF: 18902076.1/47



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: -0.017+/-0.014 χ^2/NDF: 20.3/24

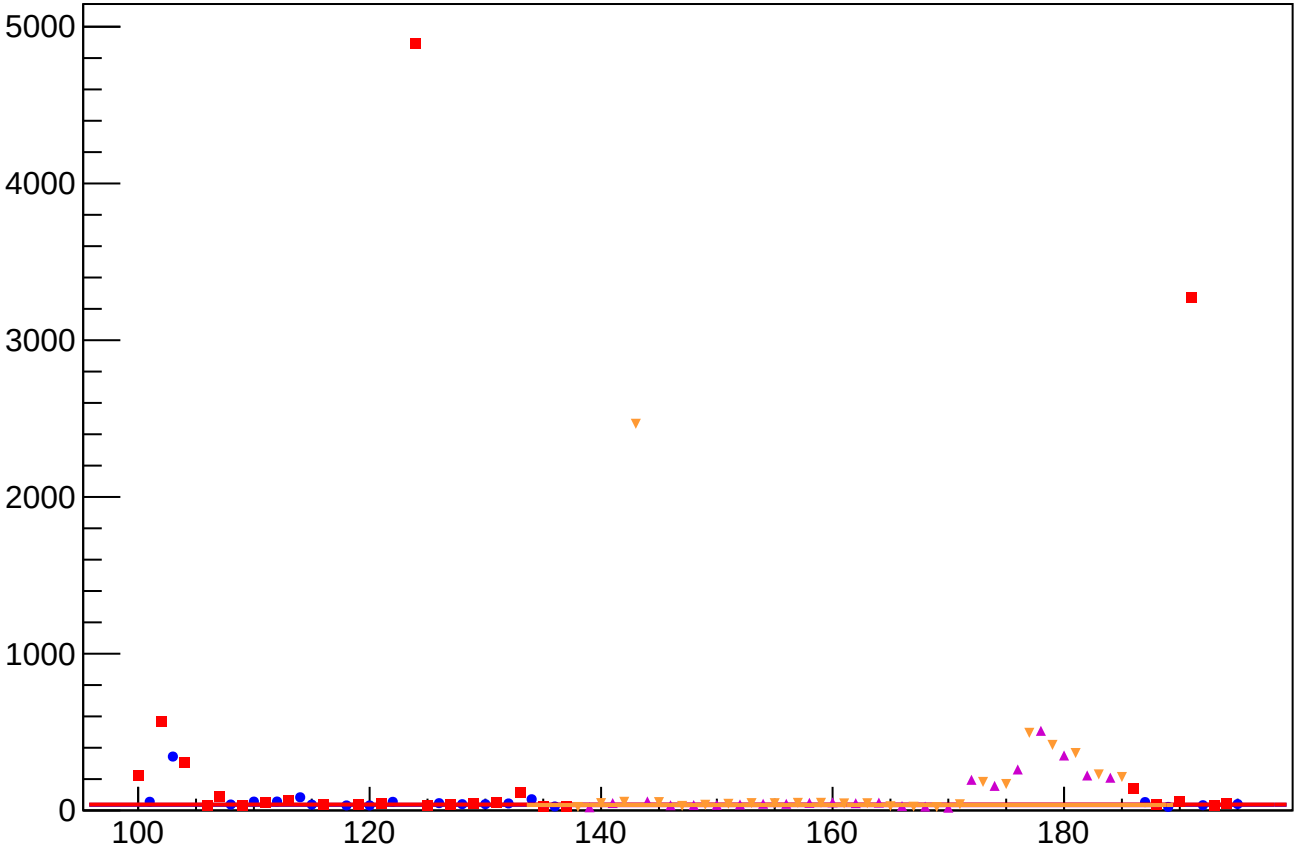
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

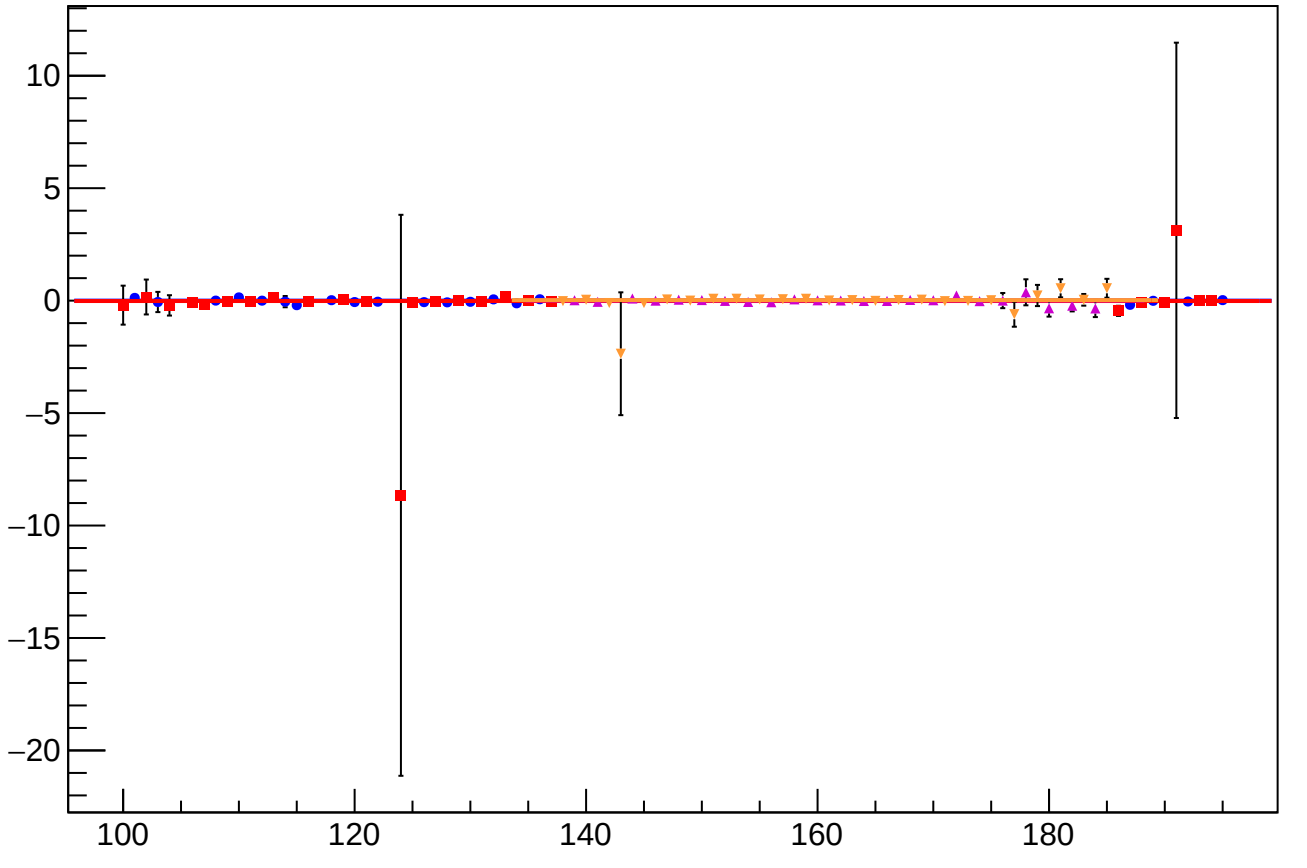
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

\- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

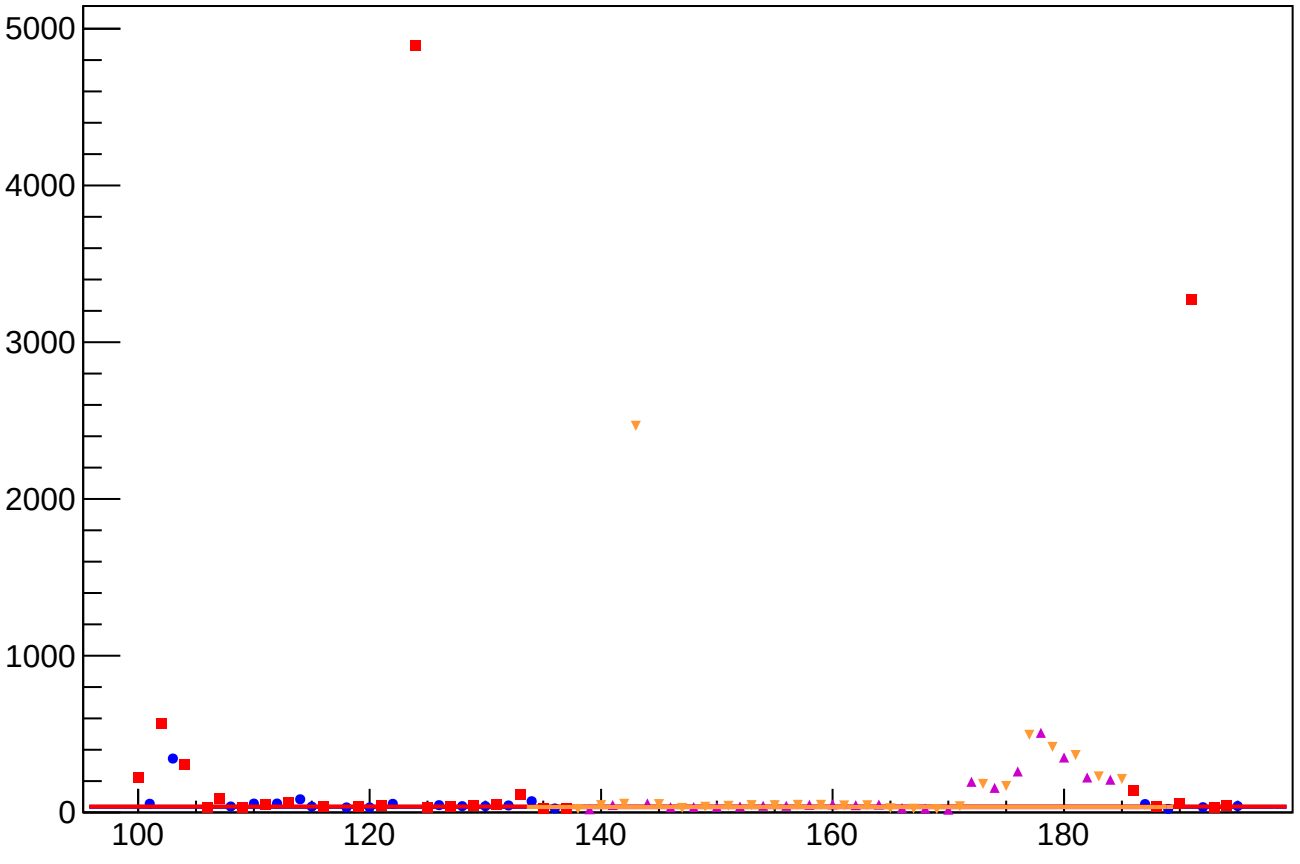
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

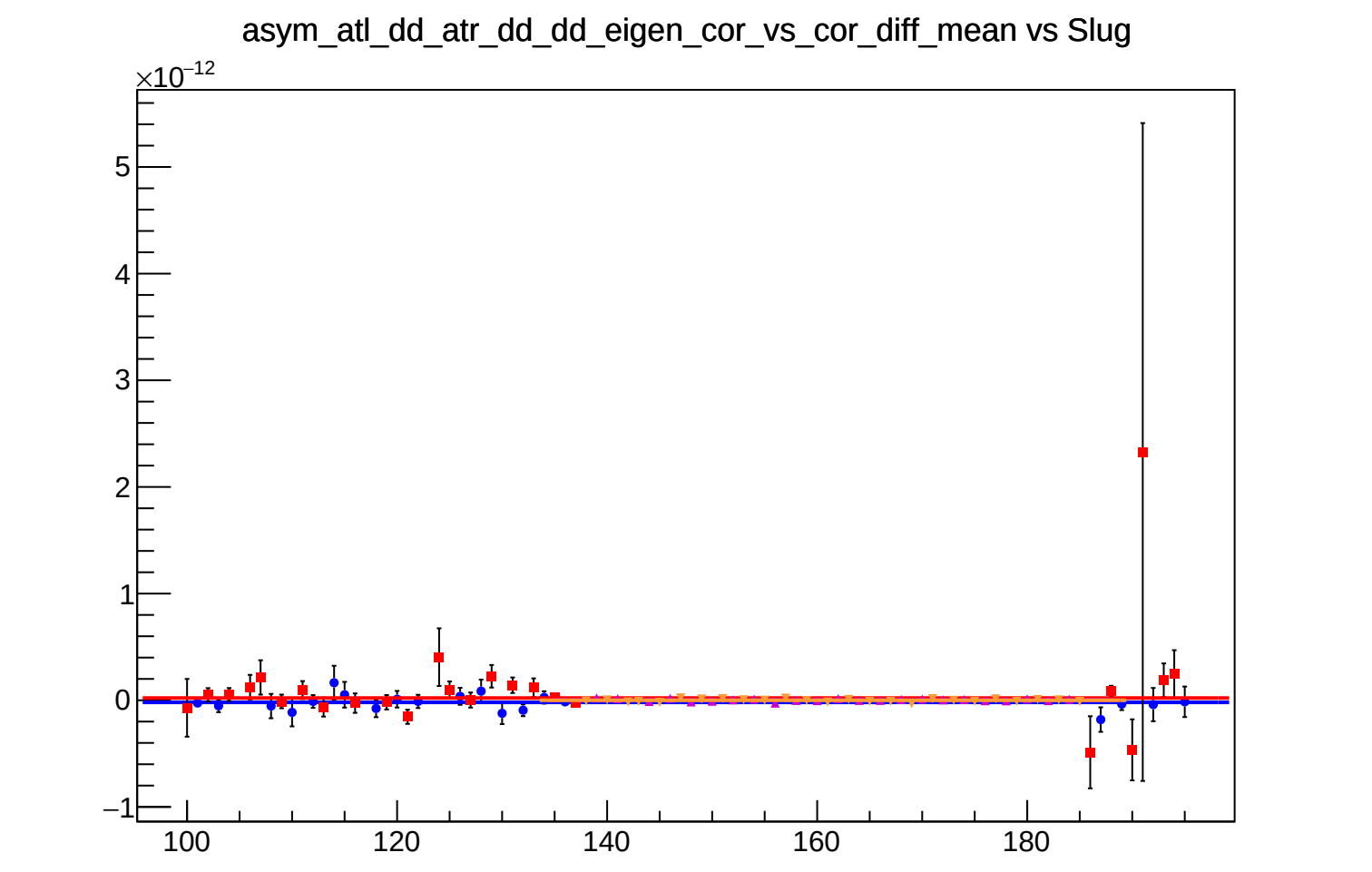
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

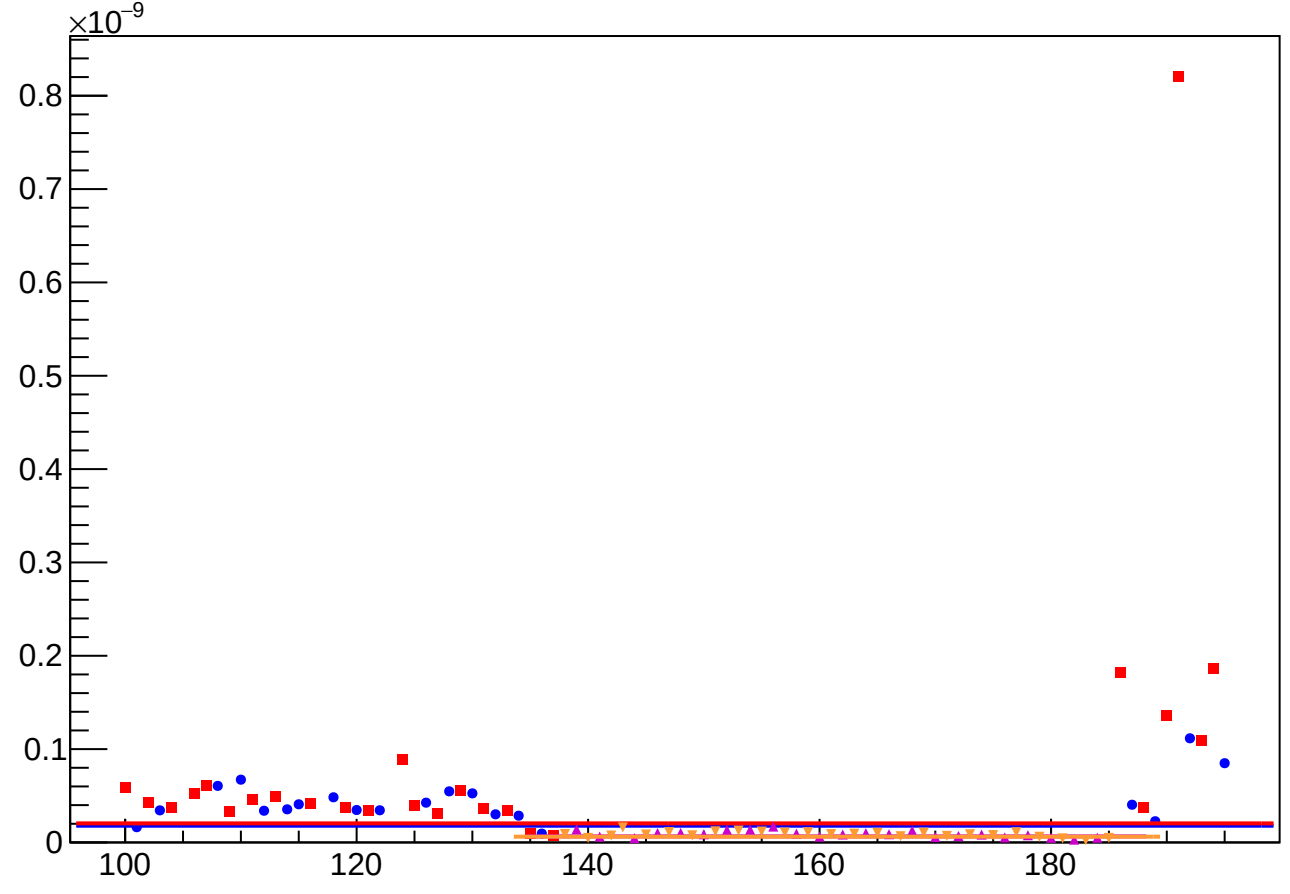
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/24

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: 102.1/92

- sign 0.000+/-0.000 χ^2/NDF: 59.8/47



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: 6635620.7/24

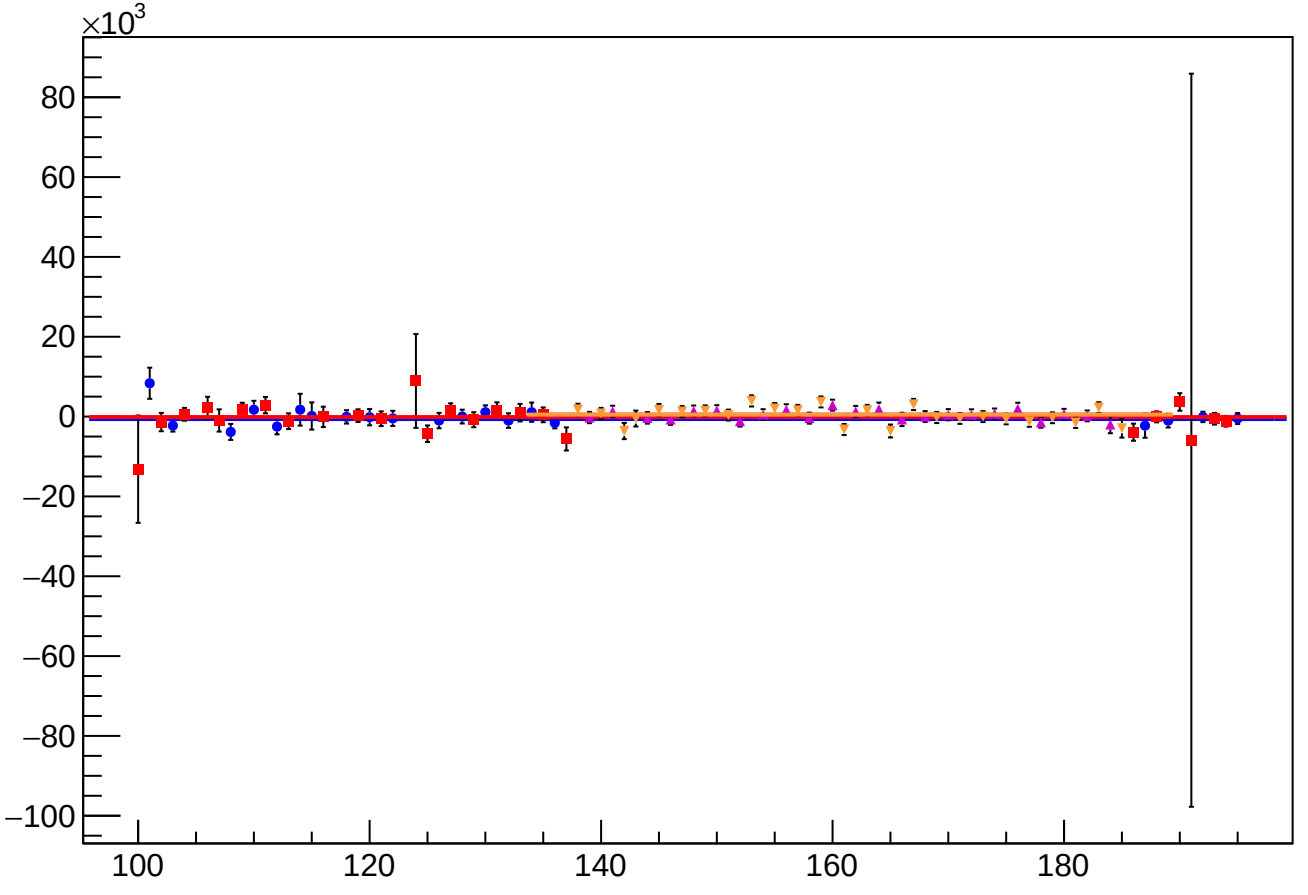
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12381452.9/44

All: 0.000+/-0.000 χ^2/NDF: 26289528.5/92

- sign 0.000+/-0.000 χ^2/NDF: 13882735.9/47

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: -122.782+/-402.054 χ^2/NDF: 22.8/24

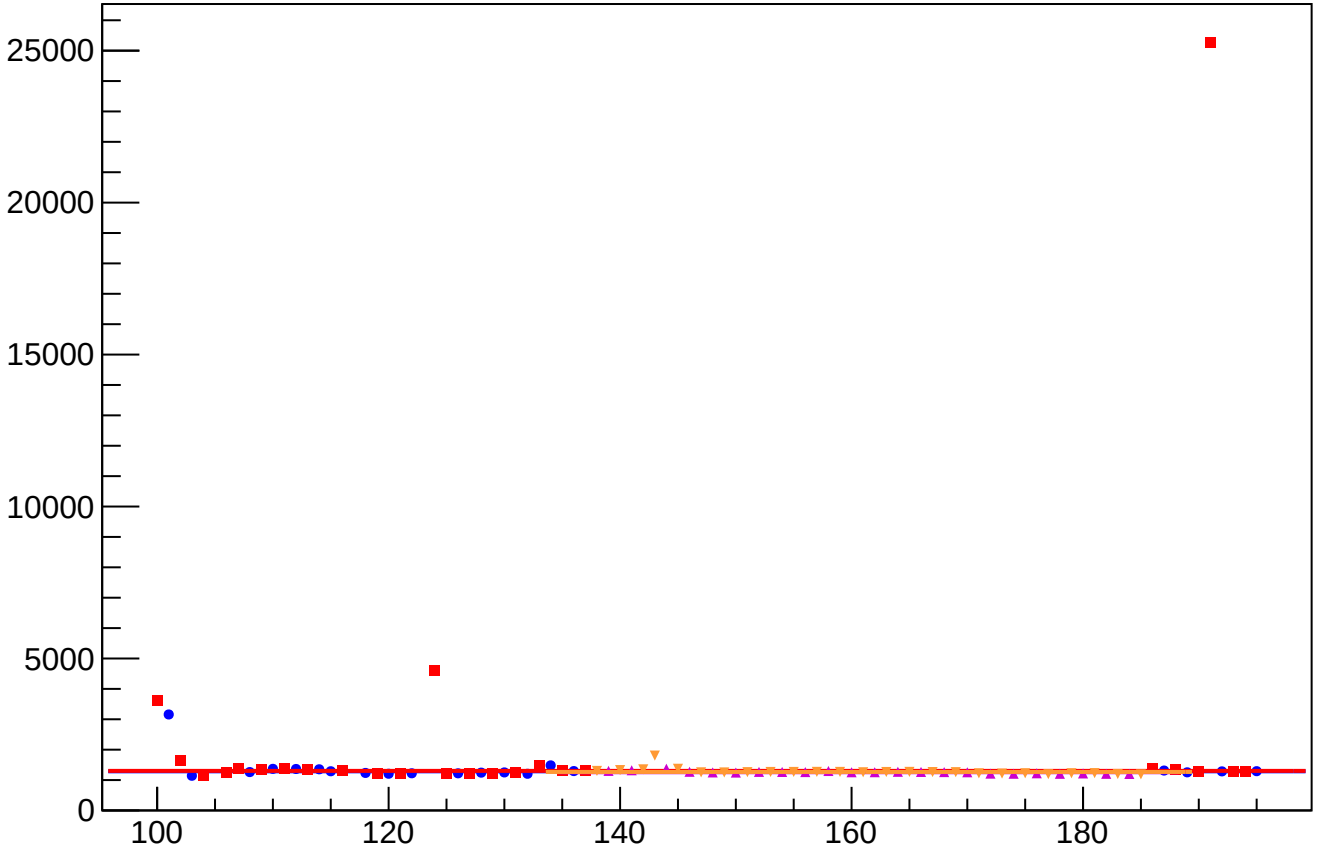
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 204.324+/-167.751 χ^2/NDF: 105.0/92

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47

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

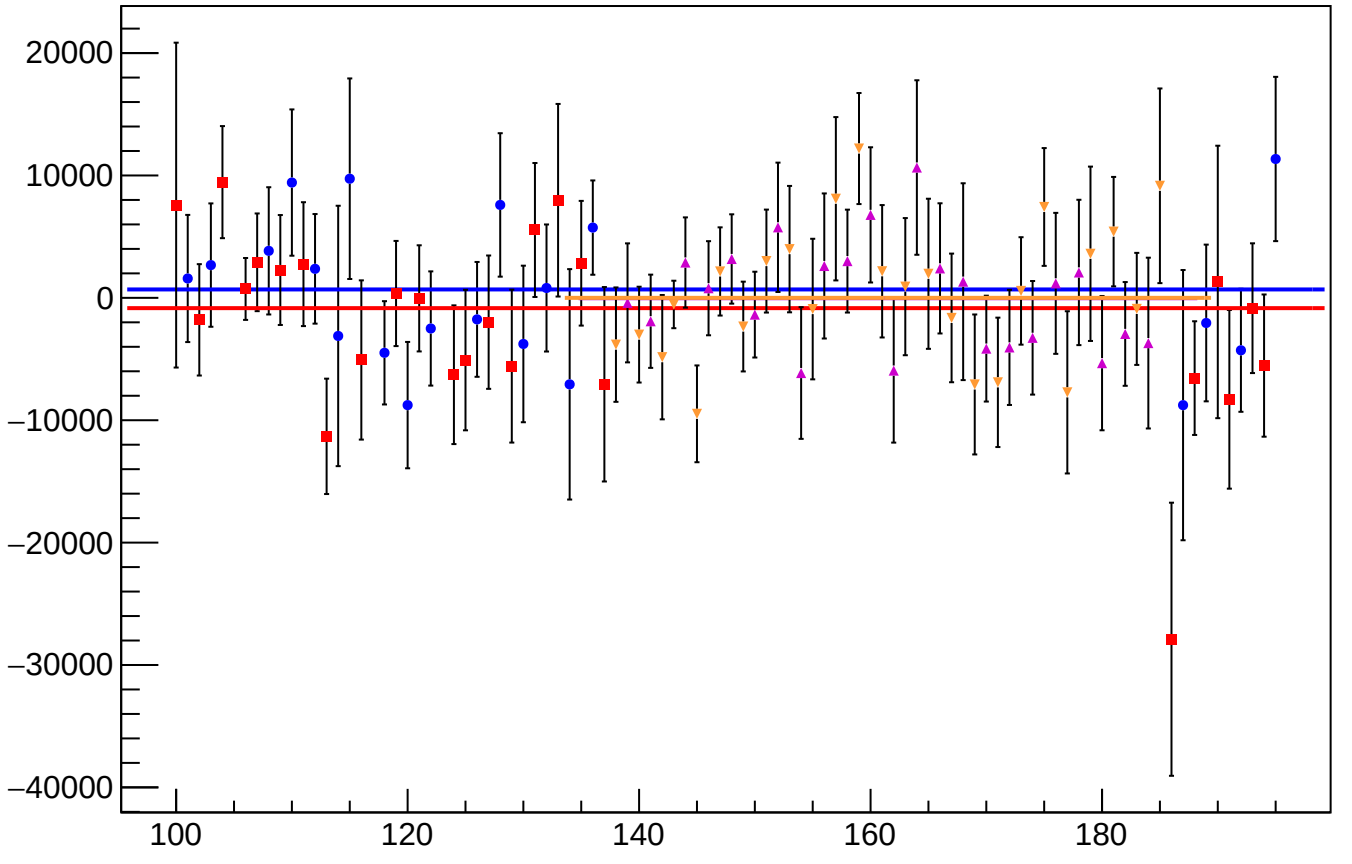
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

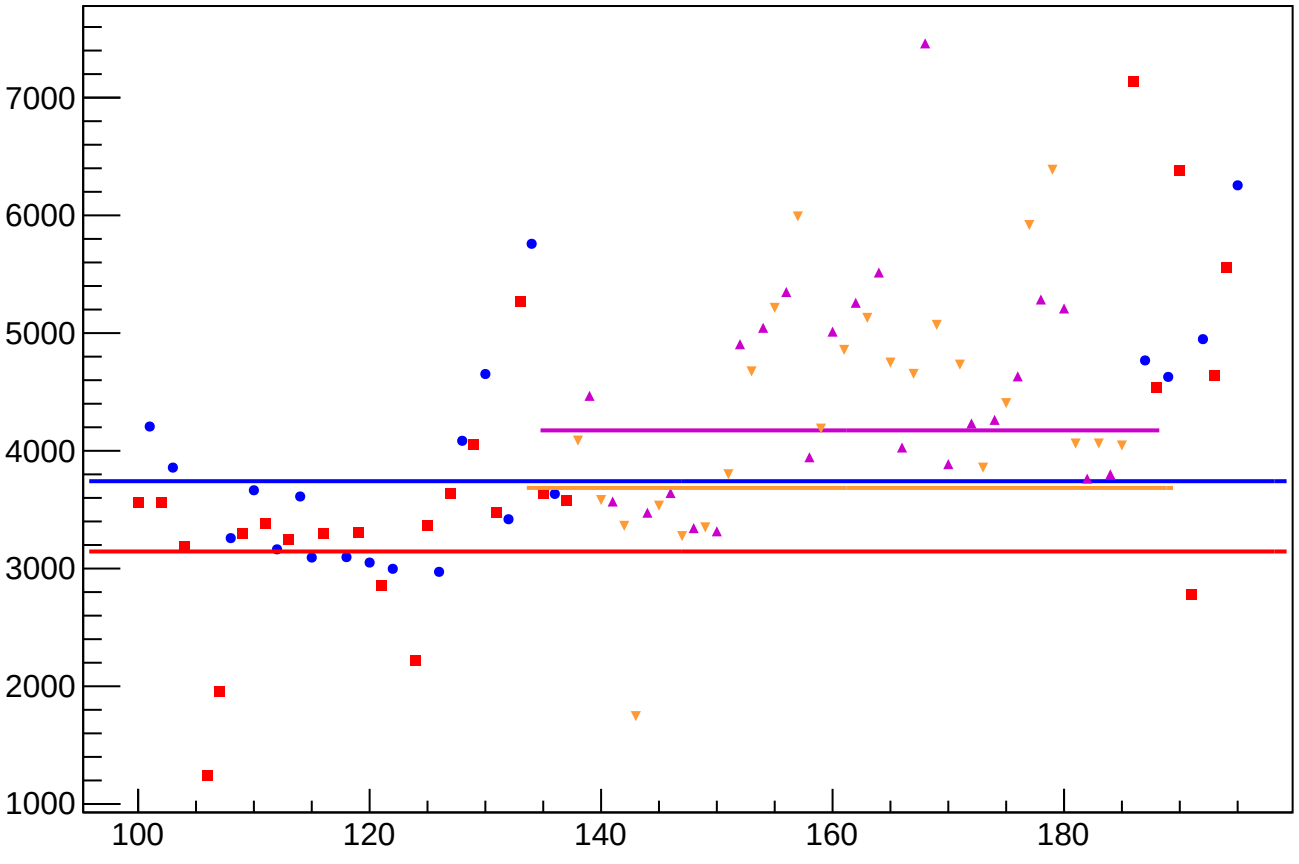
Right Out: -841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 235.023+/-718.659 χ^2/NDF: 47.7/44

All: -97.738+/-506.235 χ^2/NDF: 90.7/92

- sign -425.483+/-713.222 χ^2/NDF: 42.5/47



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: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

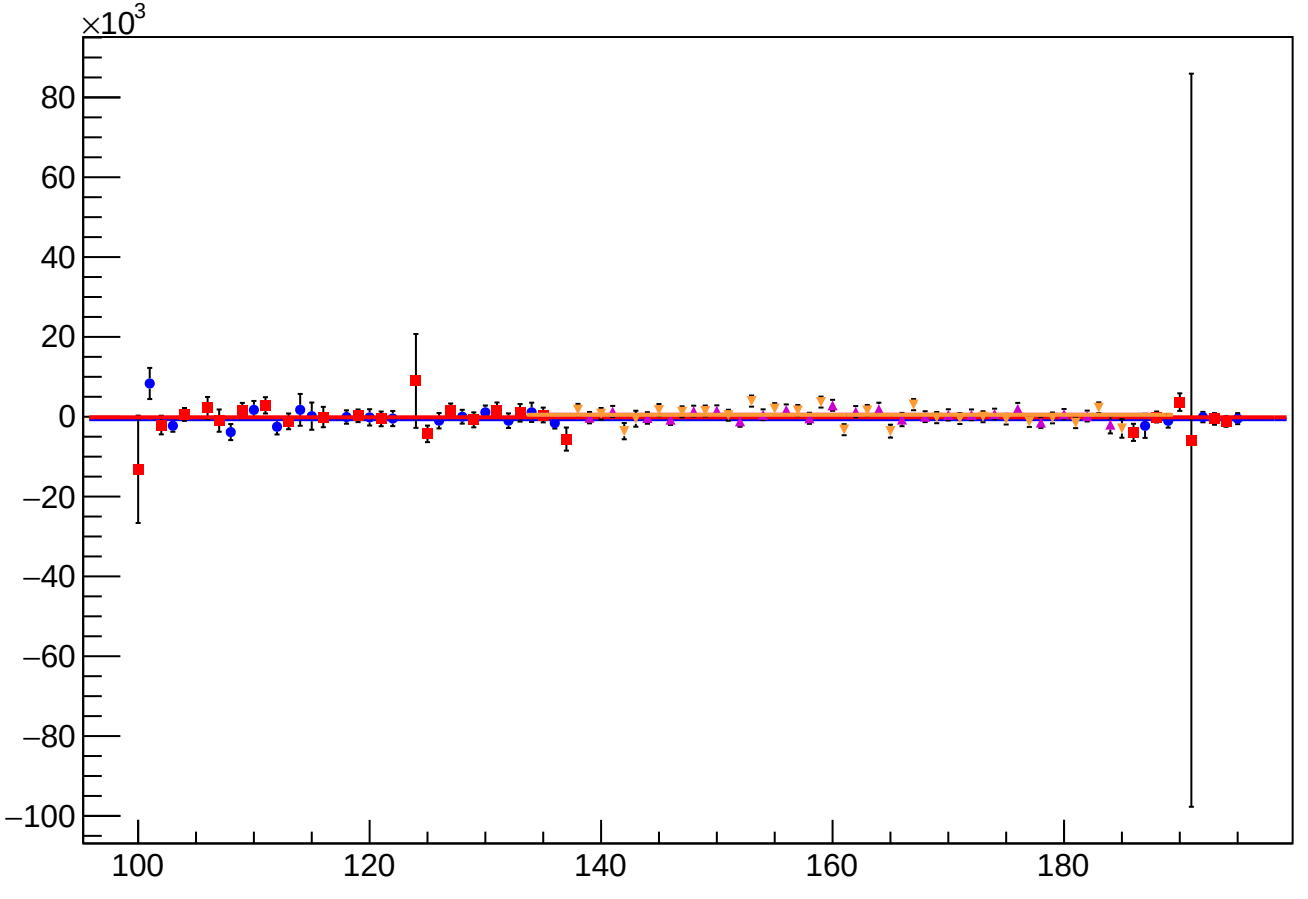
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47

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: -142.652+/-402.235 χ^2/NDF: 23.2/24

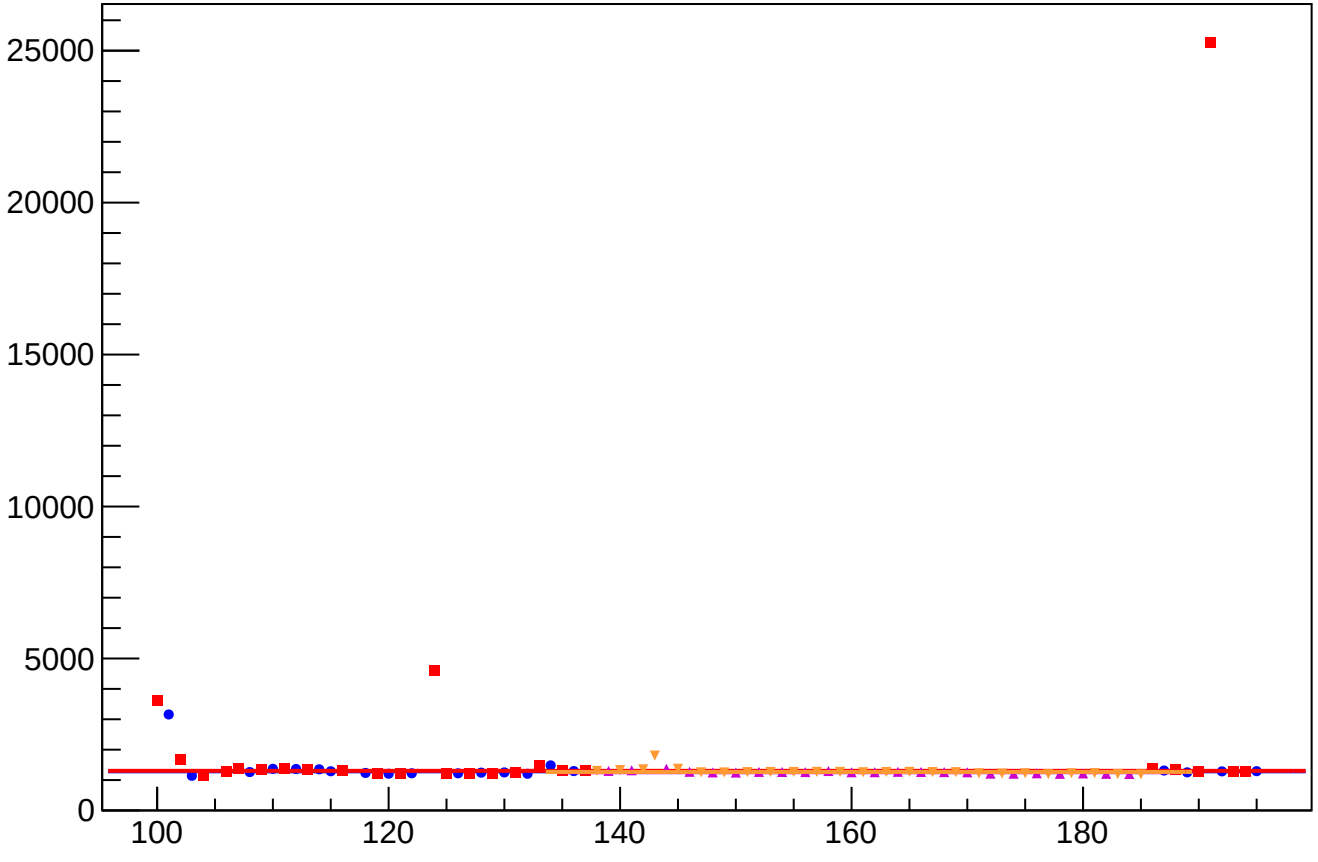
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

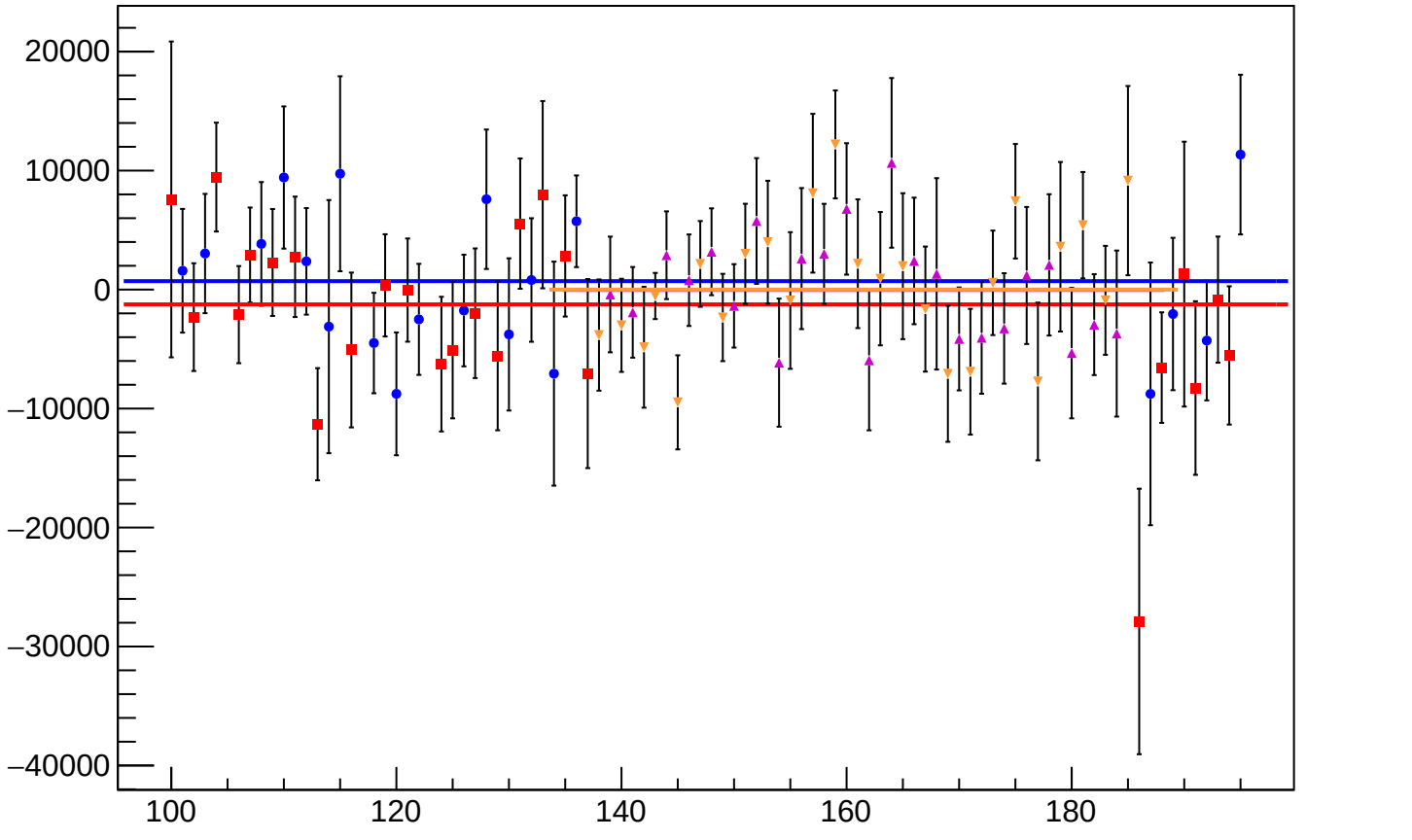
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

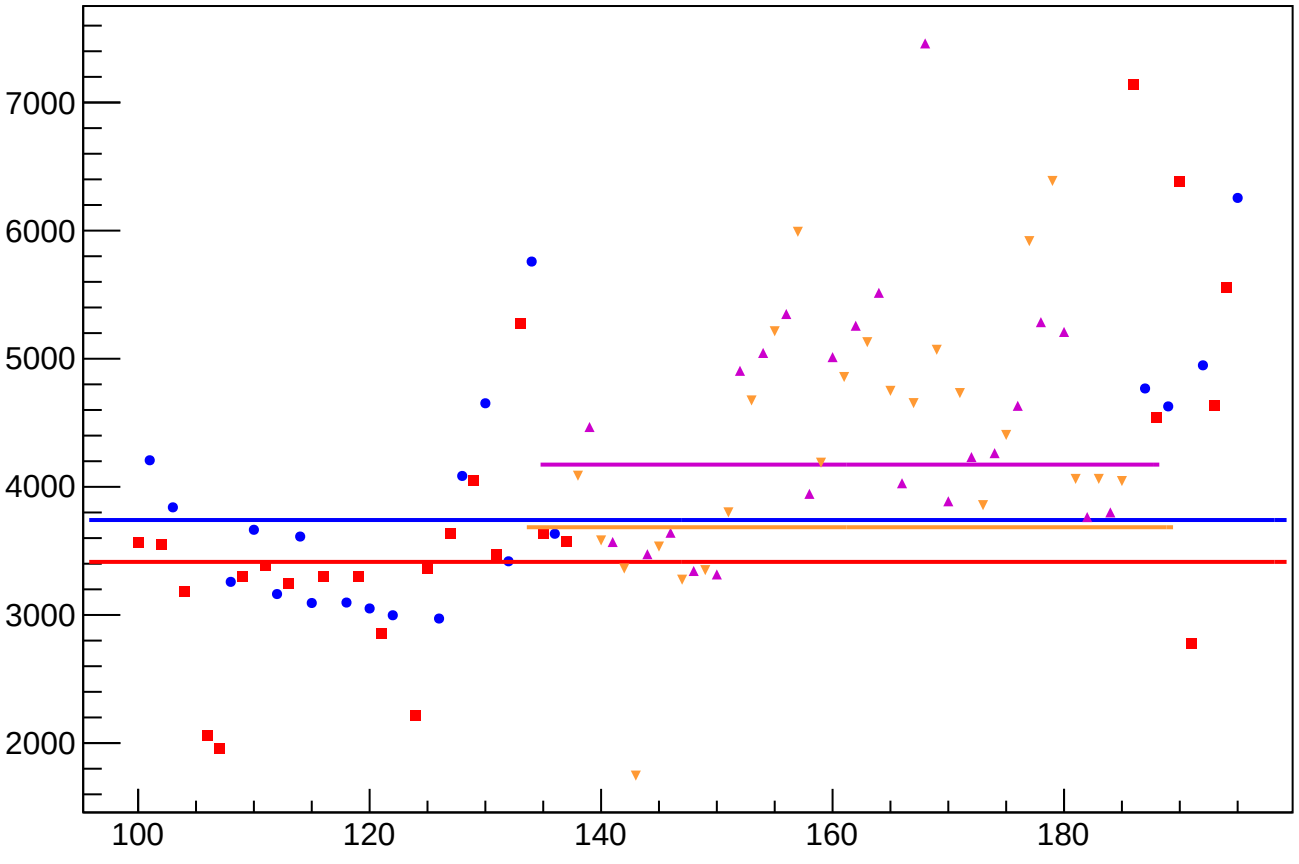
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -165.916+/-512.533 χ^2/NDF: 91.0/92

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

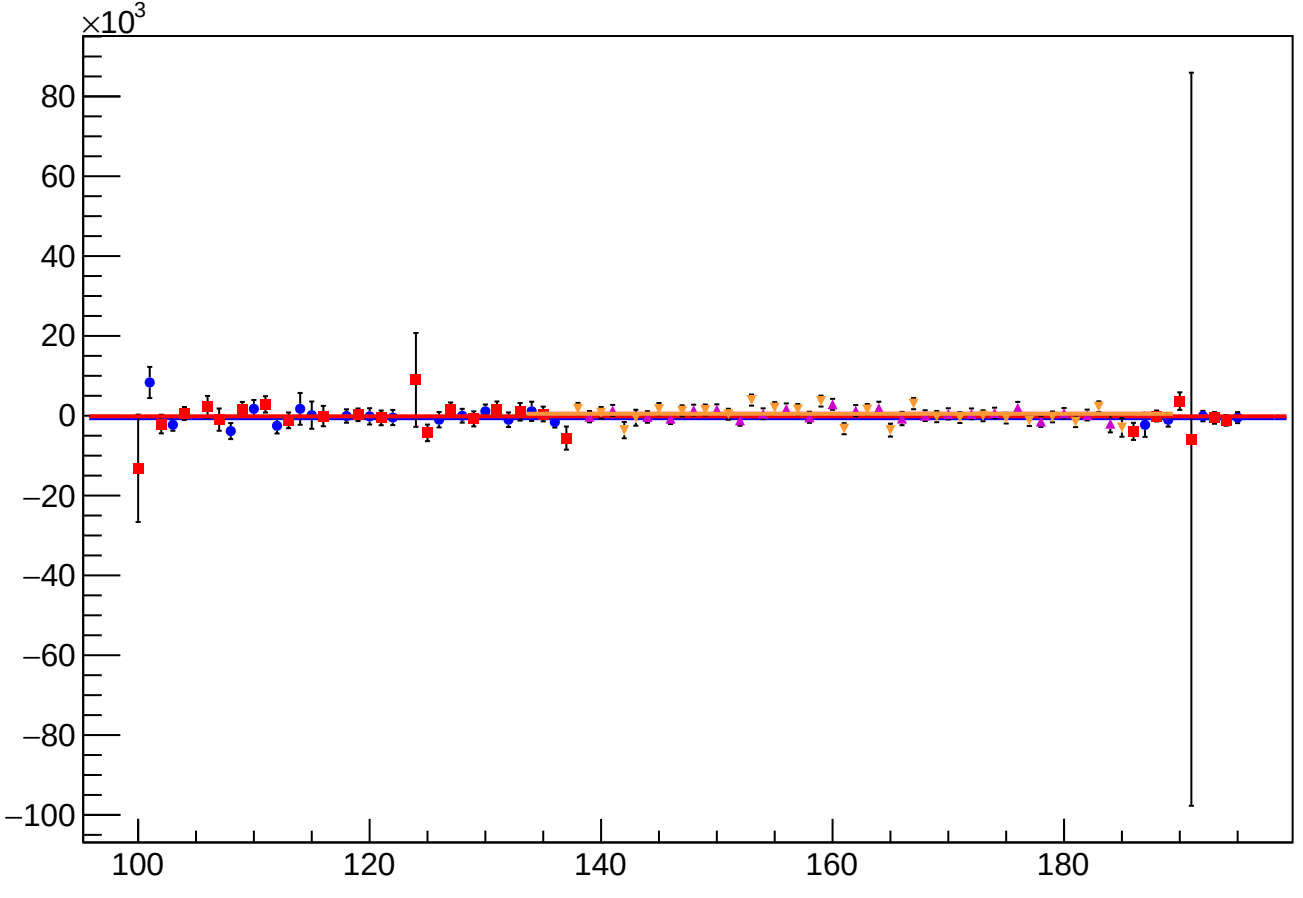
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



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: -142.652+/-402.235 χ^2/NDF: 23.2/24

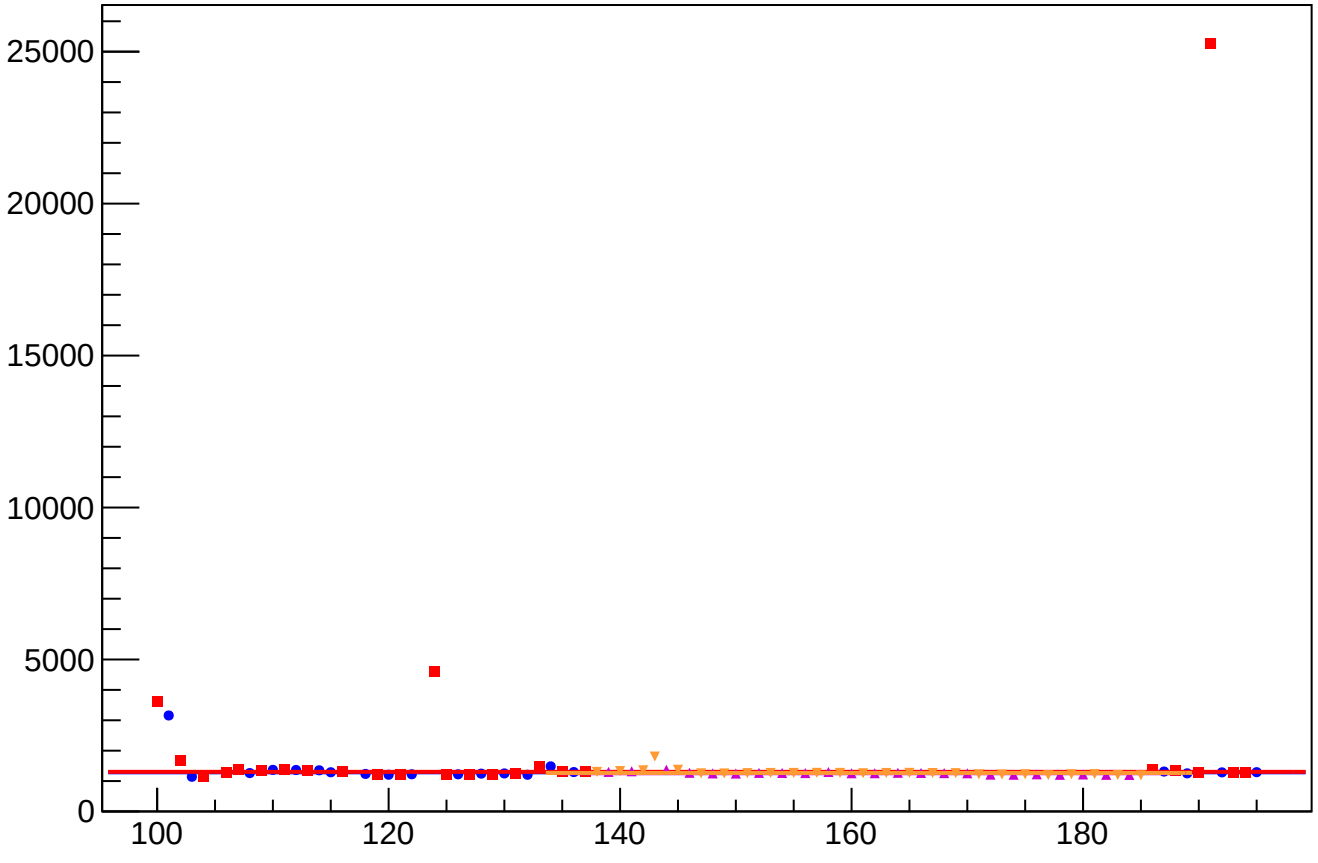
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

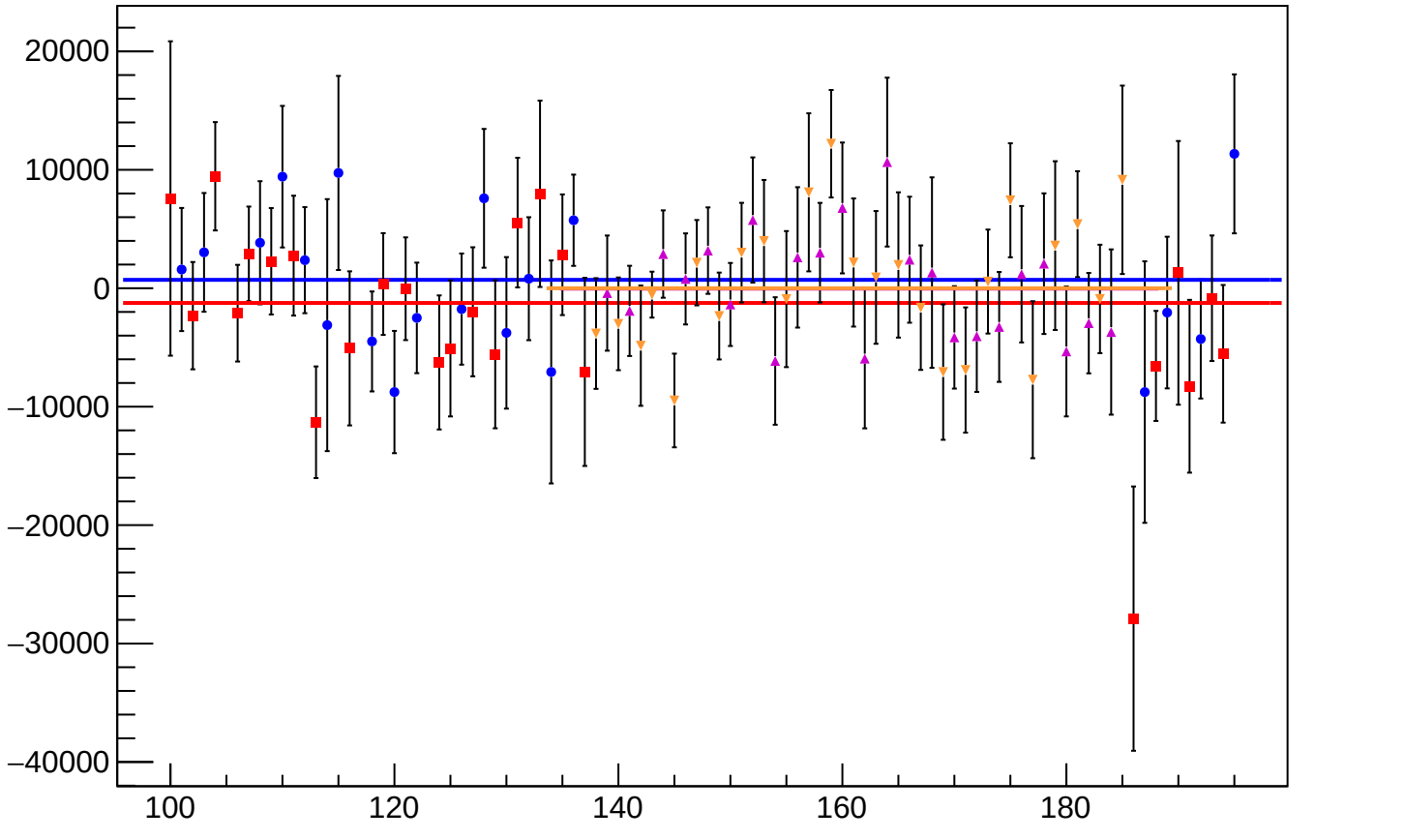
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

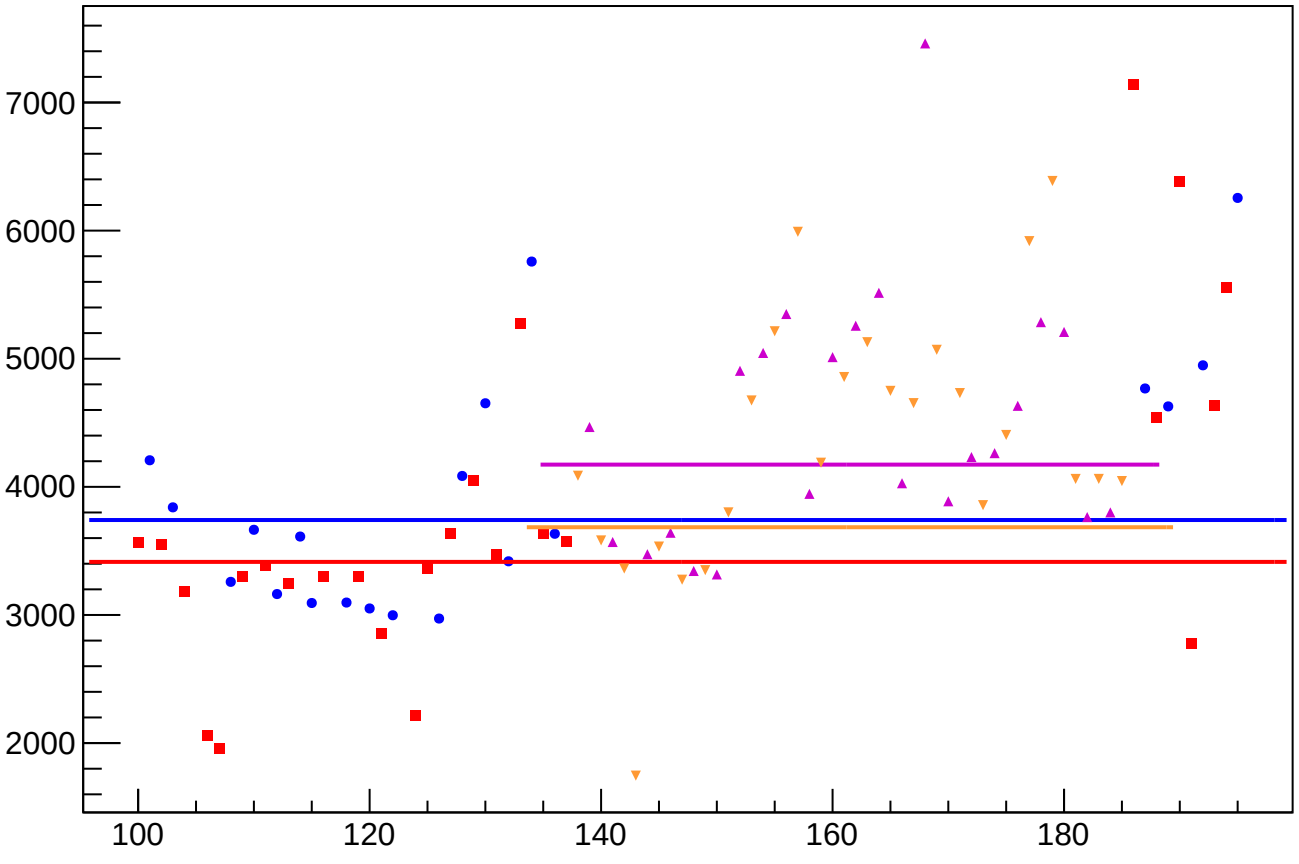
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -165.916+/-512.533 χ^2/NDF: 91.0/92

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

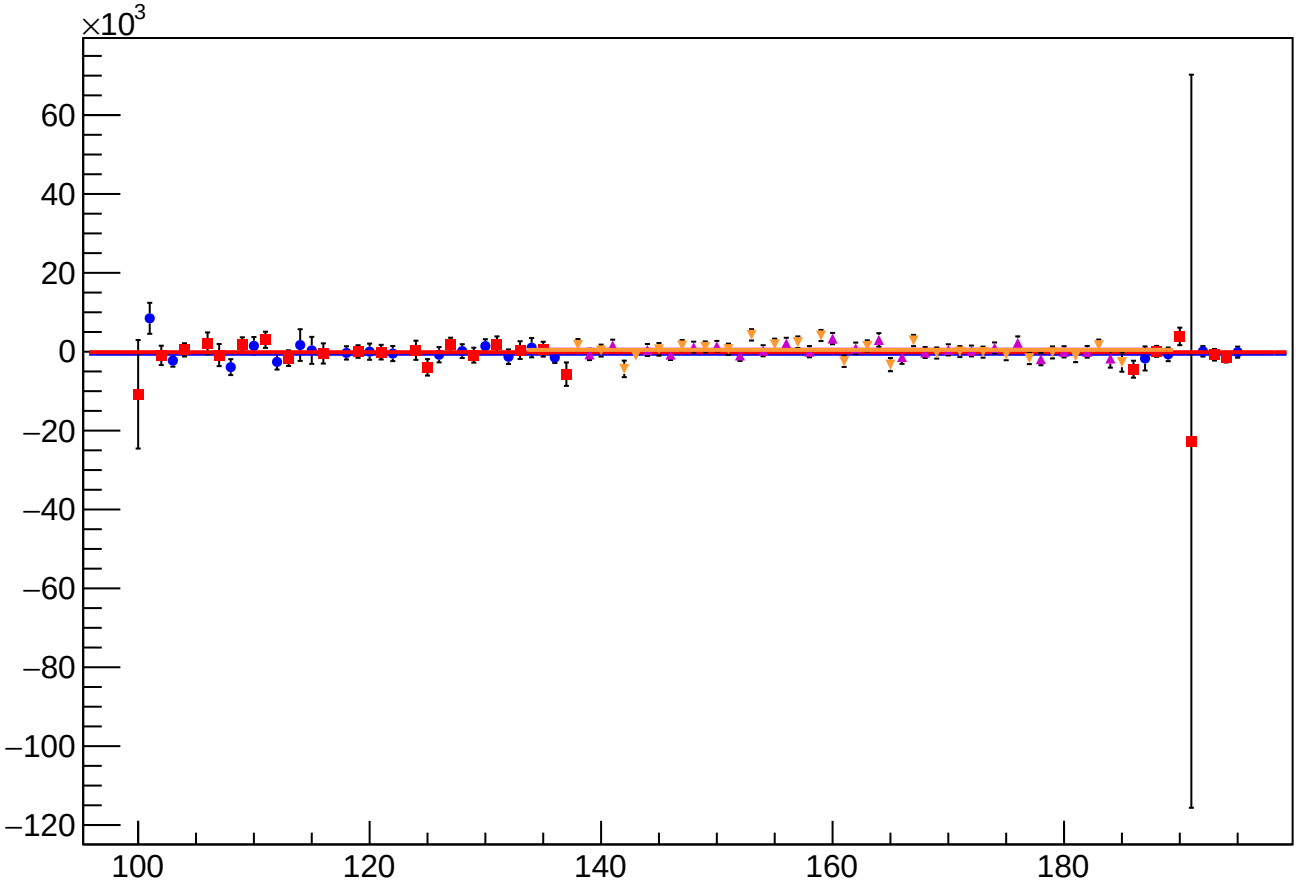
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



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: -122.732+/-402.102 χ^2/NDF: 23.5/24

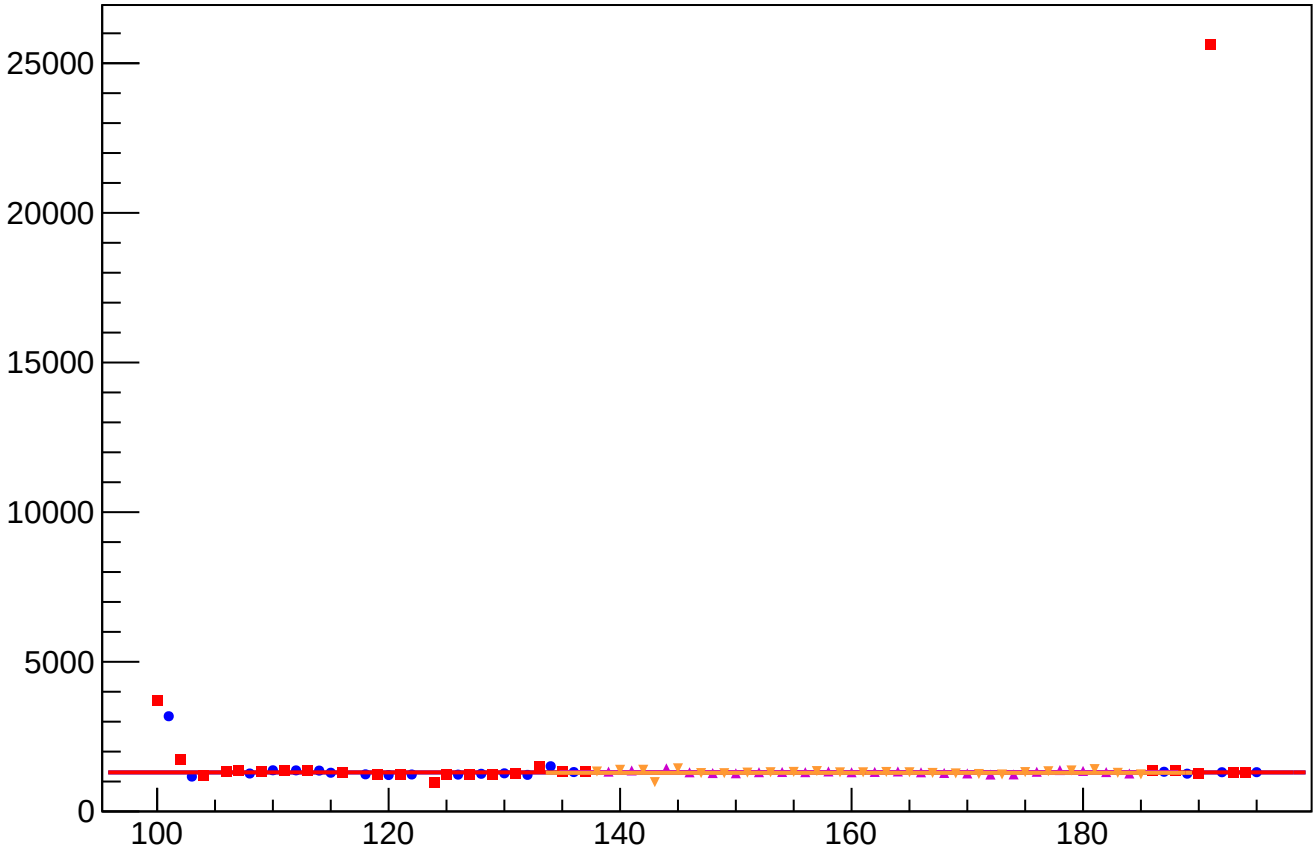
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 208.985+/-171.624 χ^2/NDF: 104.9/92

- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

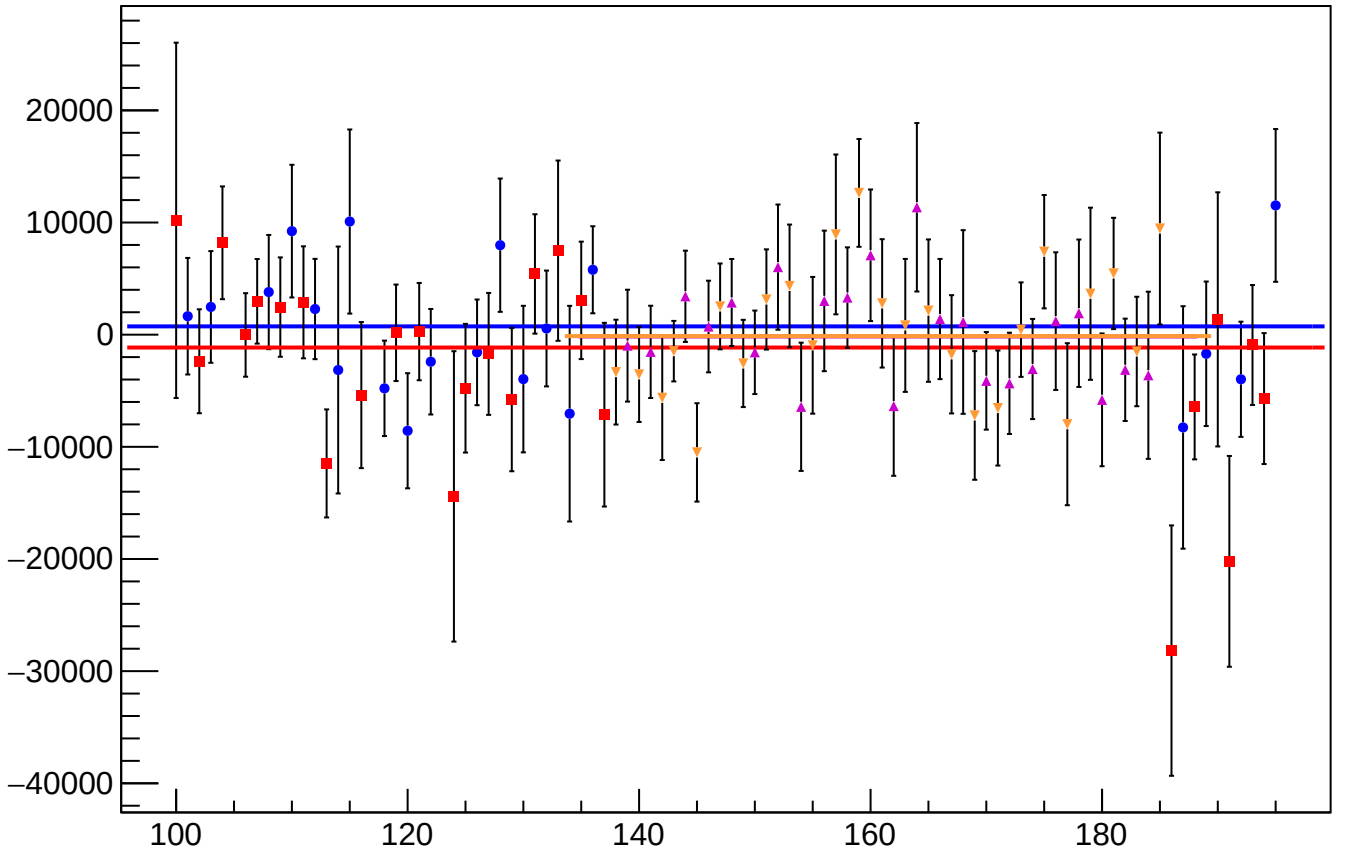
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

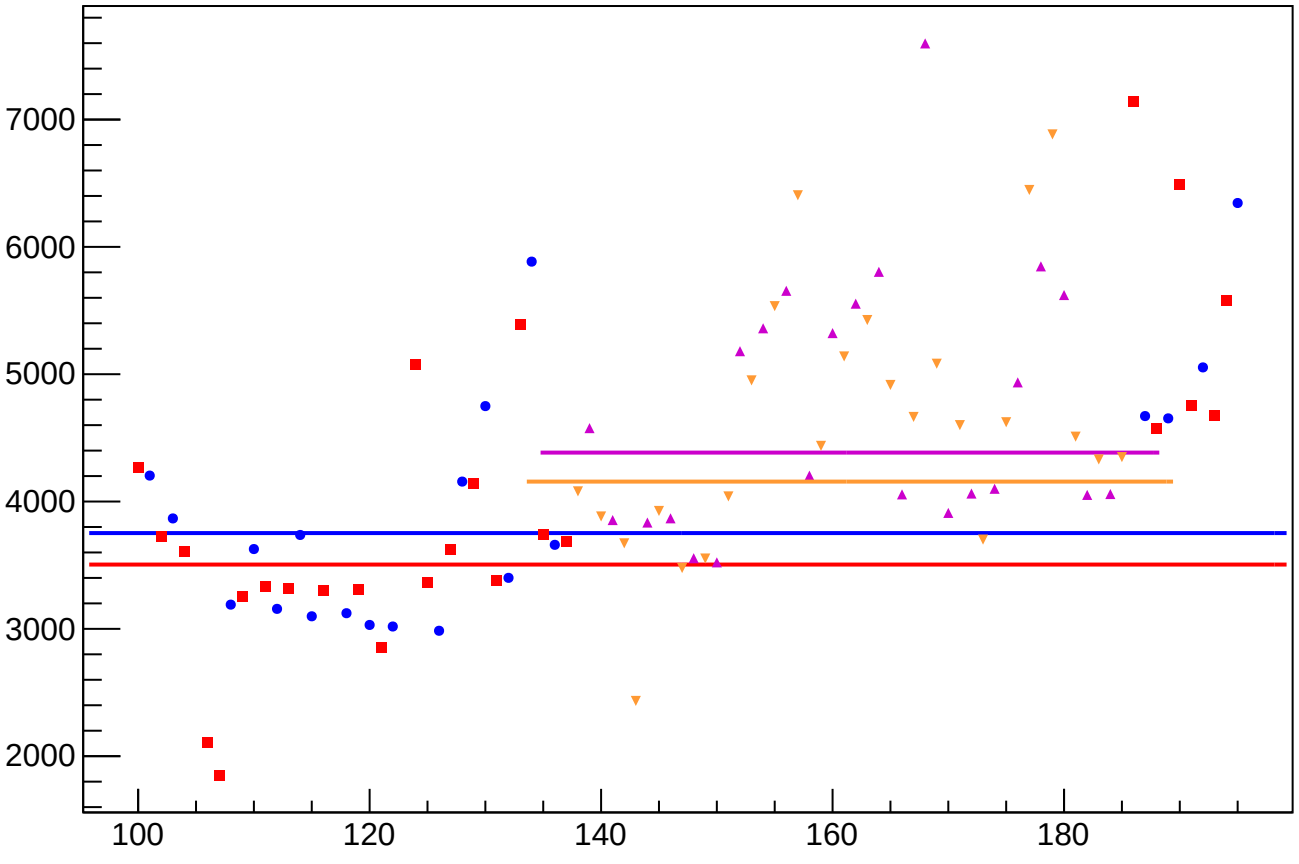
Right Out: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -215.571+/-538.125 χ^2/NDF: 91.6/92

- sign -629.033+/-756.688 χ^2/NDF: 43.8/47



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

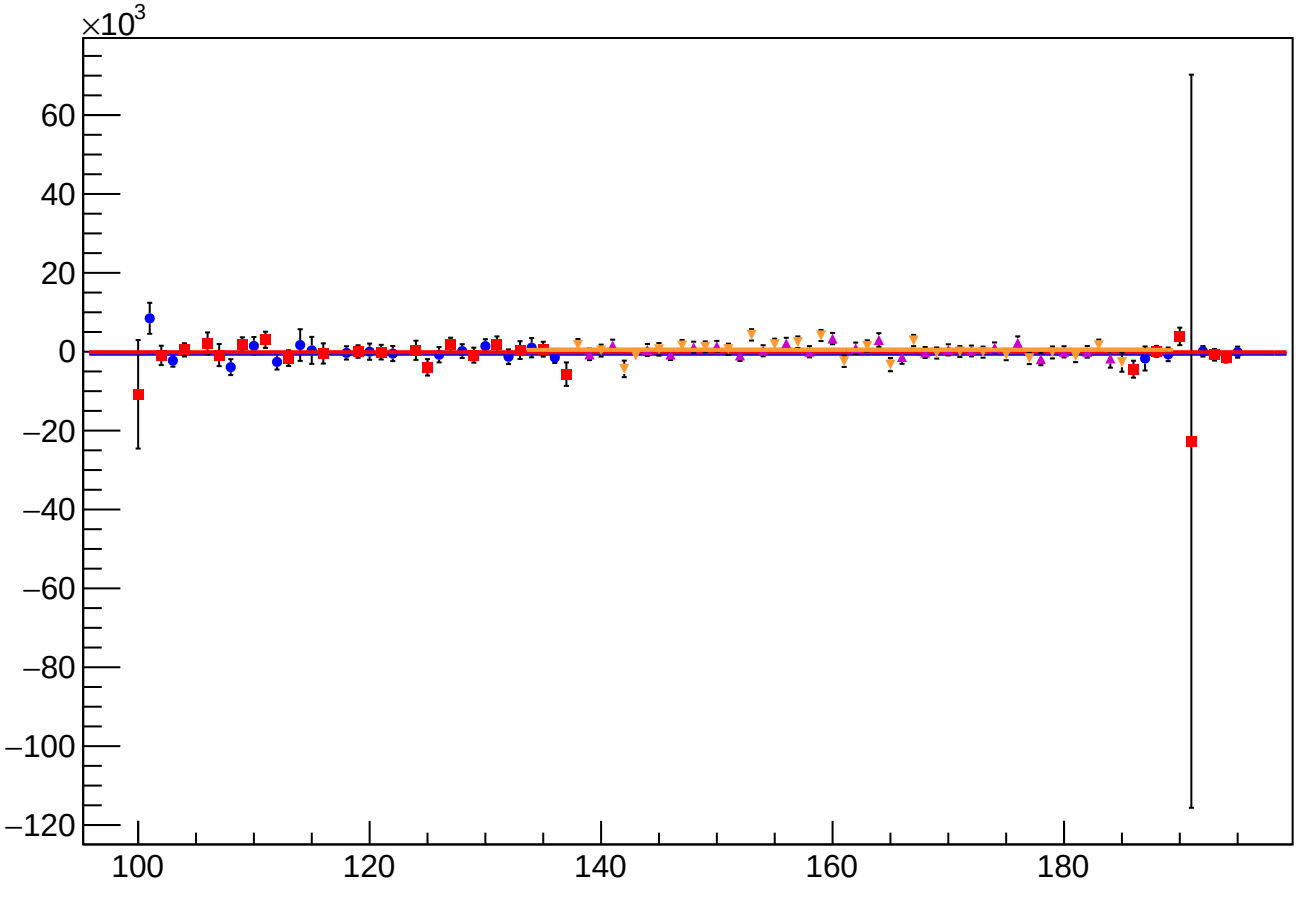
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



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: -122.727+/-402.102 χ^2/NDF: 23.5/24

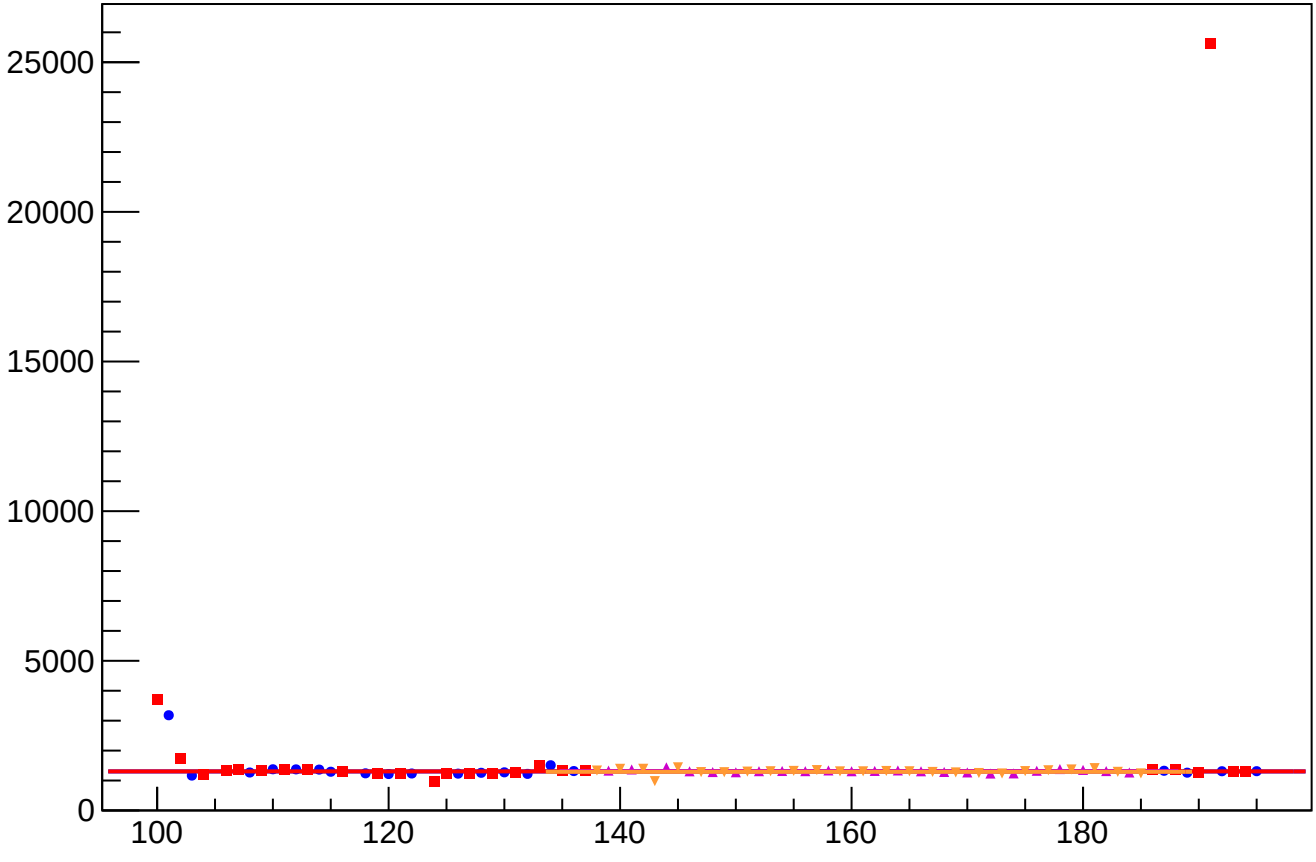
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 208.987+/-171.624 χ^2/NDF: 104.9/92

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47

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

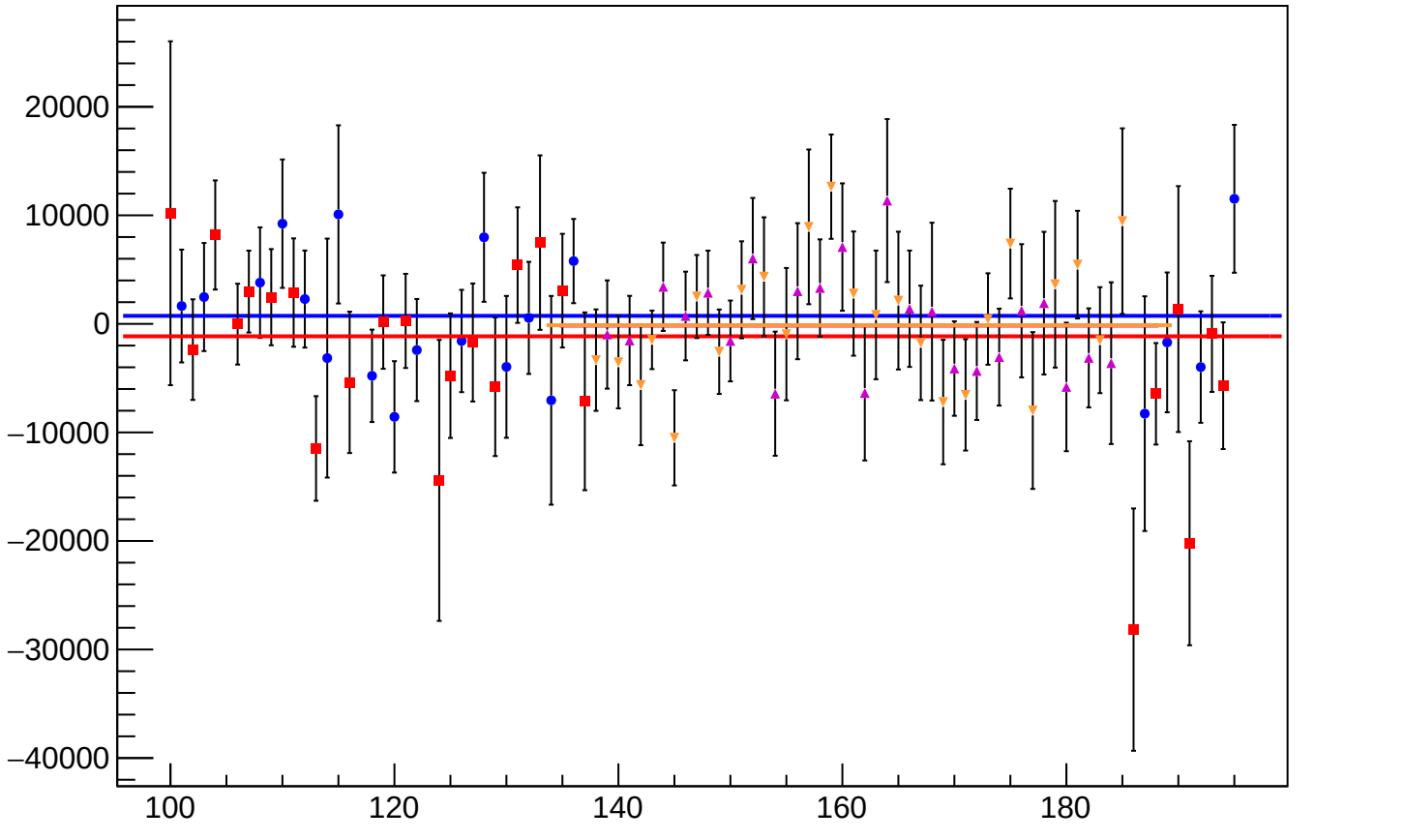
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

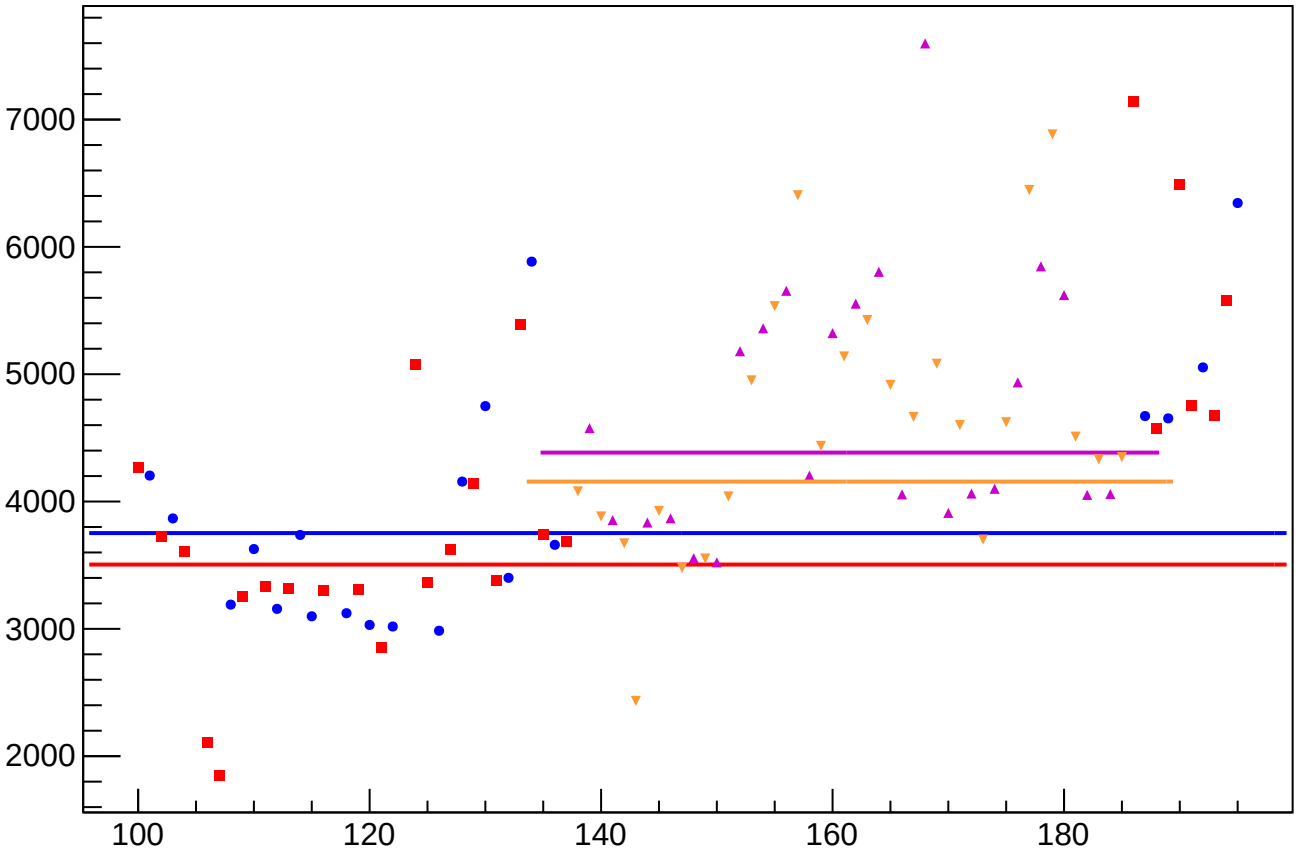
Right Out: -1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 207.502+/-765.434 χ^2/NDF: 47.2/44

All: -215.571+/-538.125 χ^2/NDF: 91.6/92

- sign -629.031+/-756.688 χ^2/NDF: 43.8/47



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: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

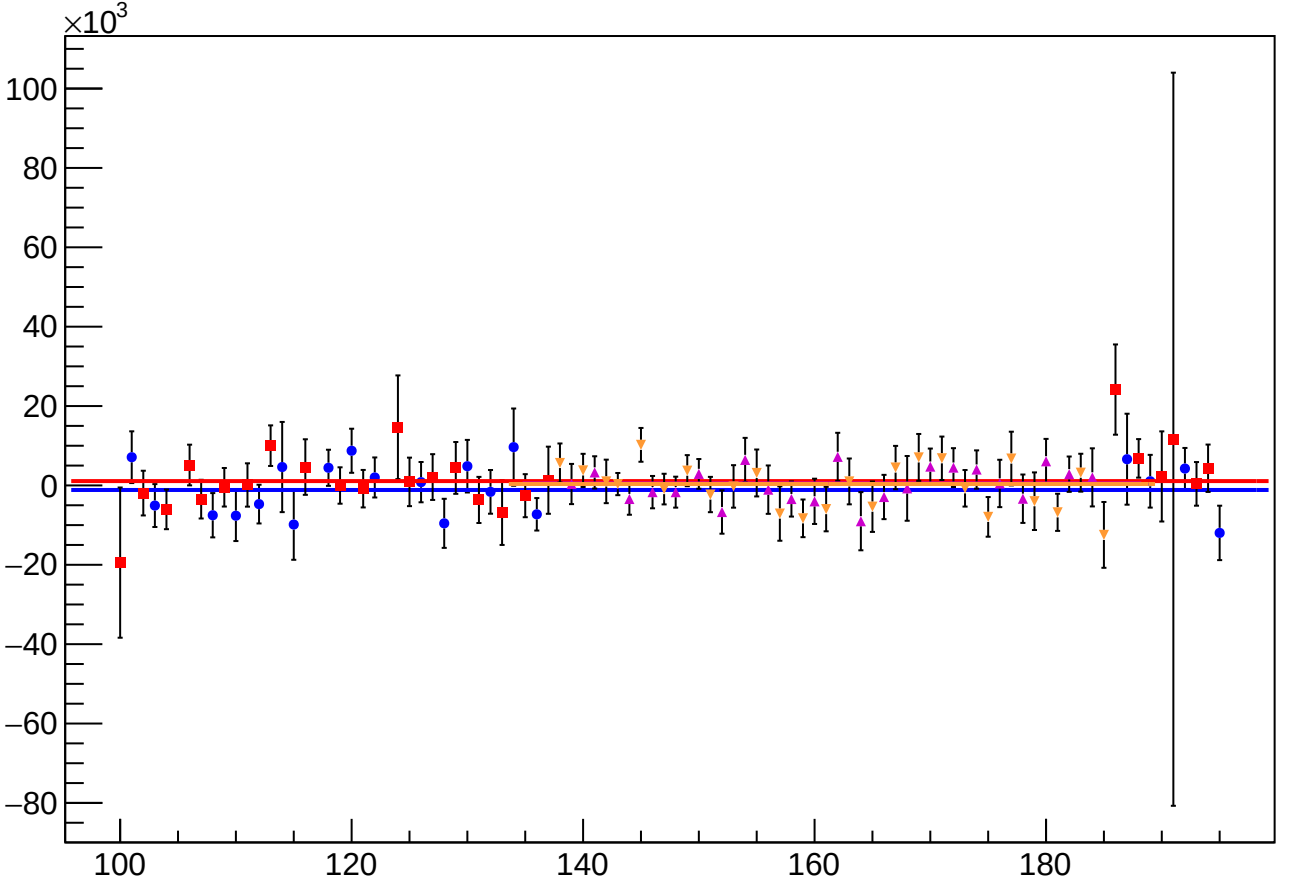
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92

- sign 3965.580+/-0.535 χ^2/NDF: 3676136.5/47

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: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

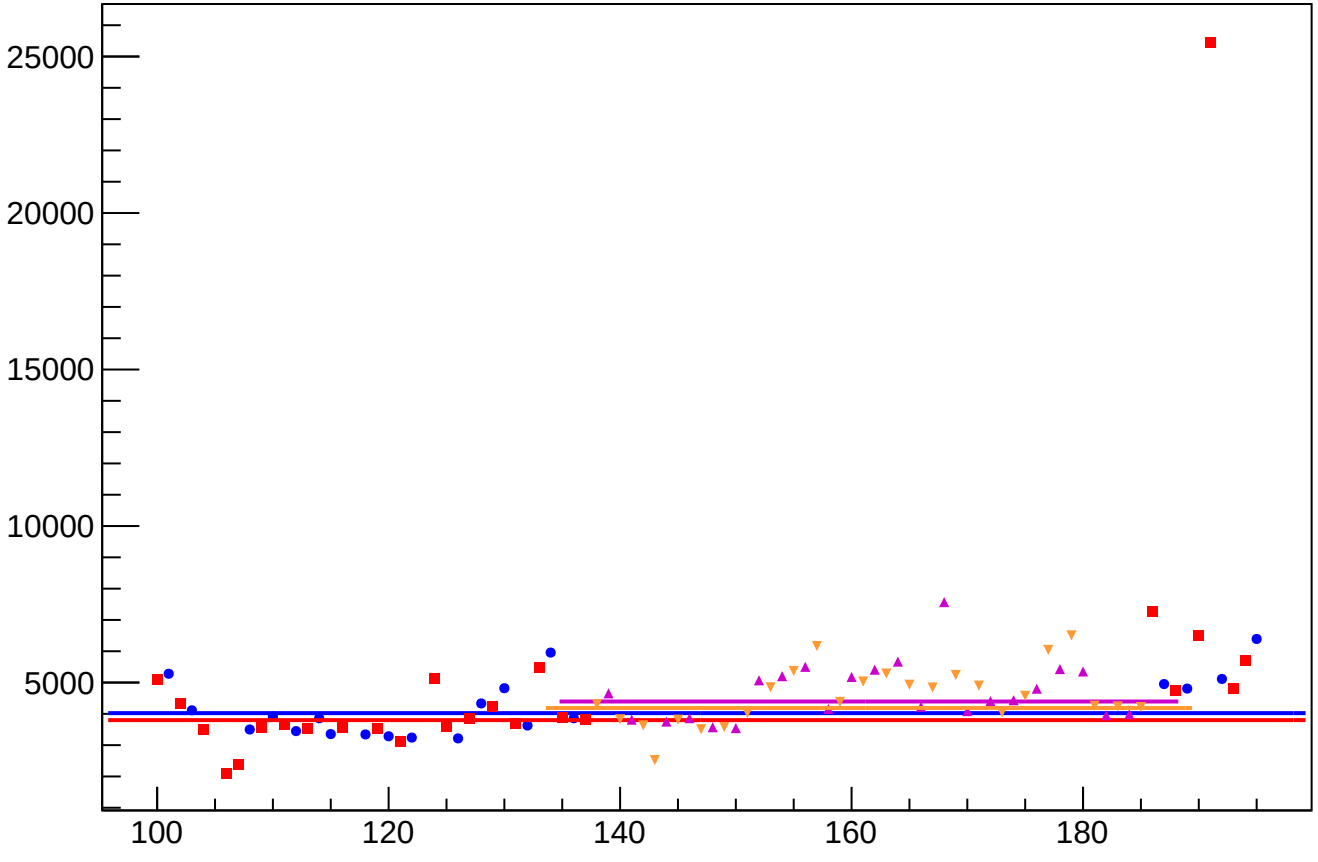
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 284.393+/-557.828 χ^2/NDF: 82.9/92

\- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

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

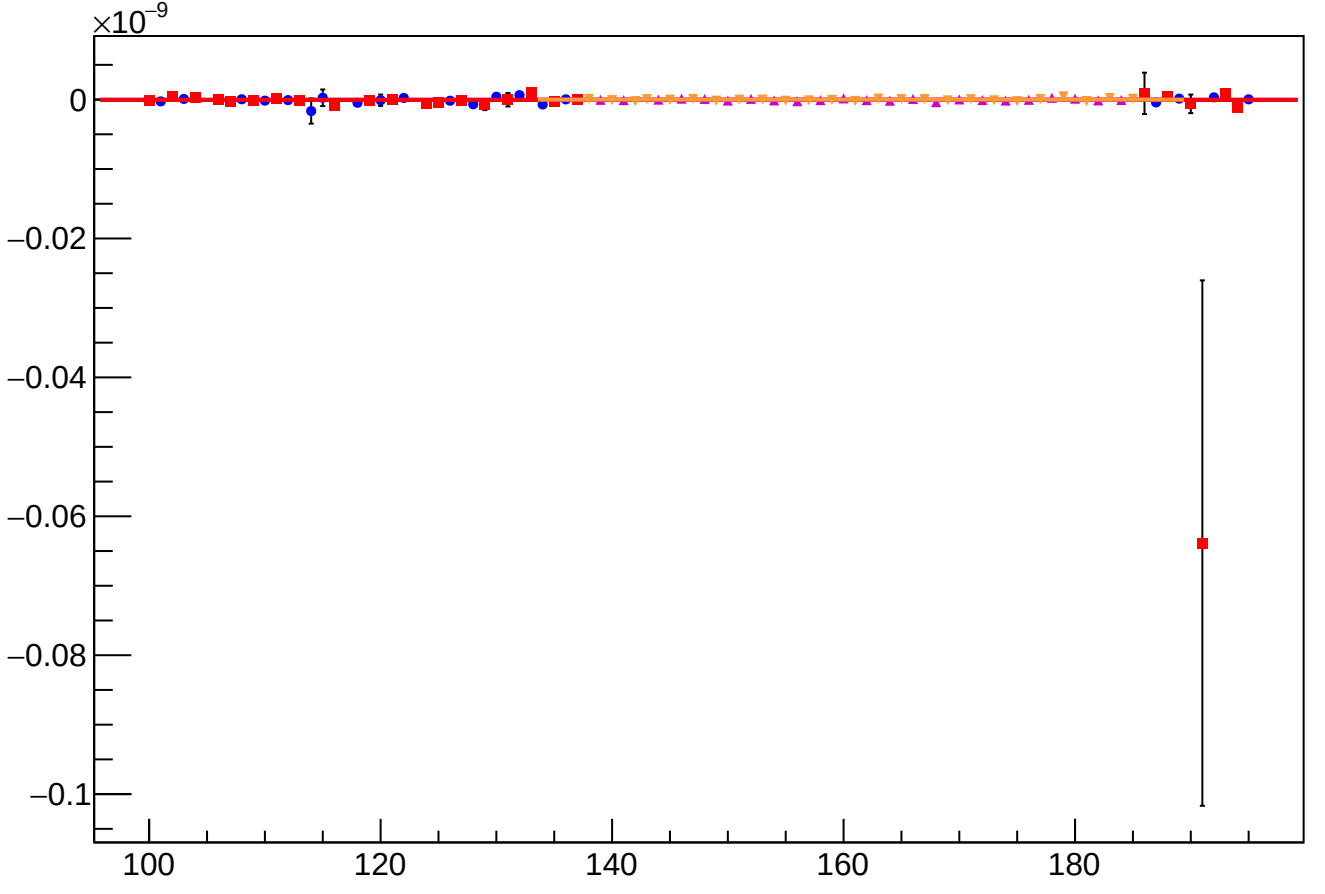
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4133.455+/-0.393 χ^2/NDF: 5451162.6/92

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

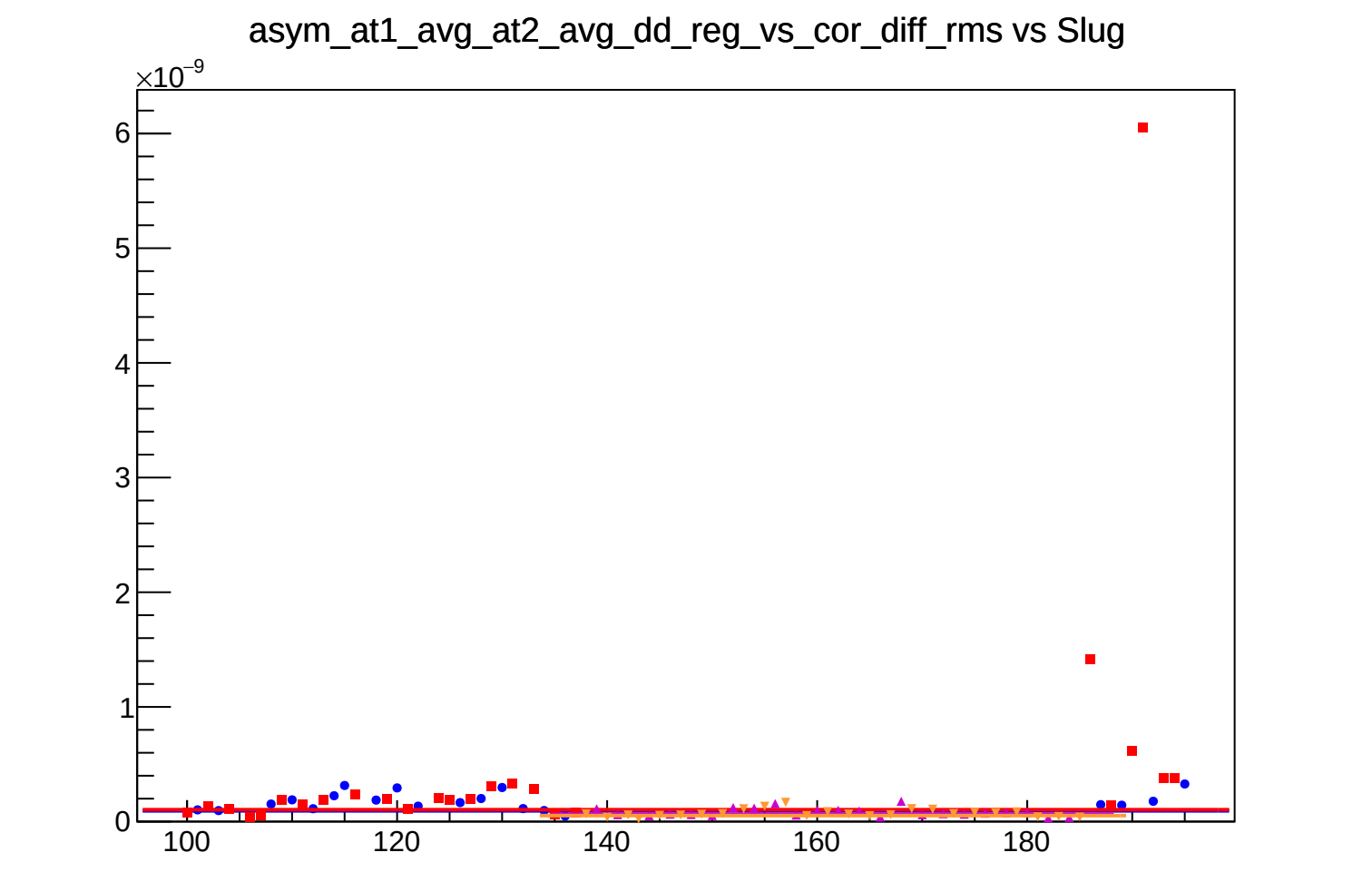
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

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: 91.8/92

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1819721.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

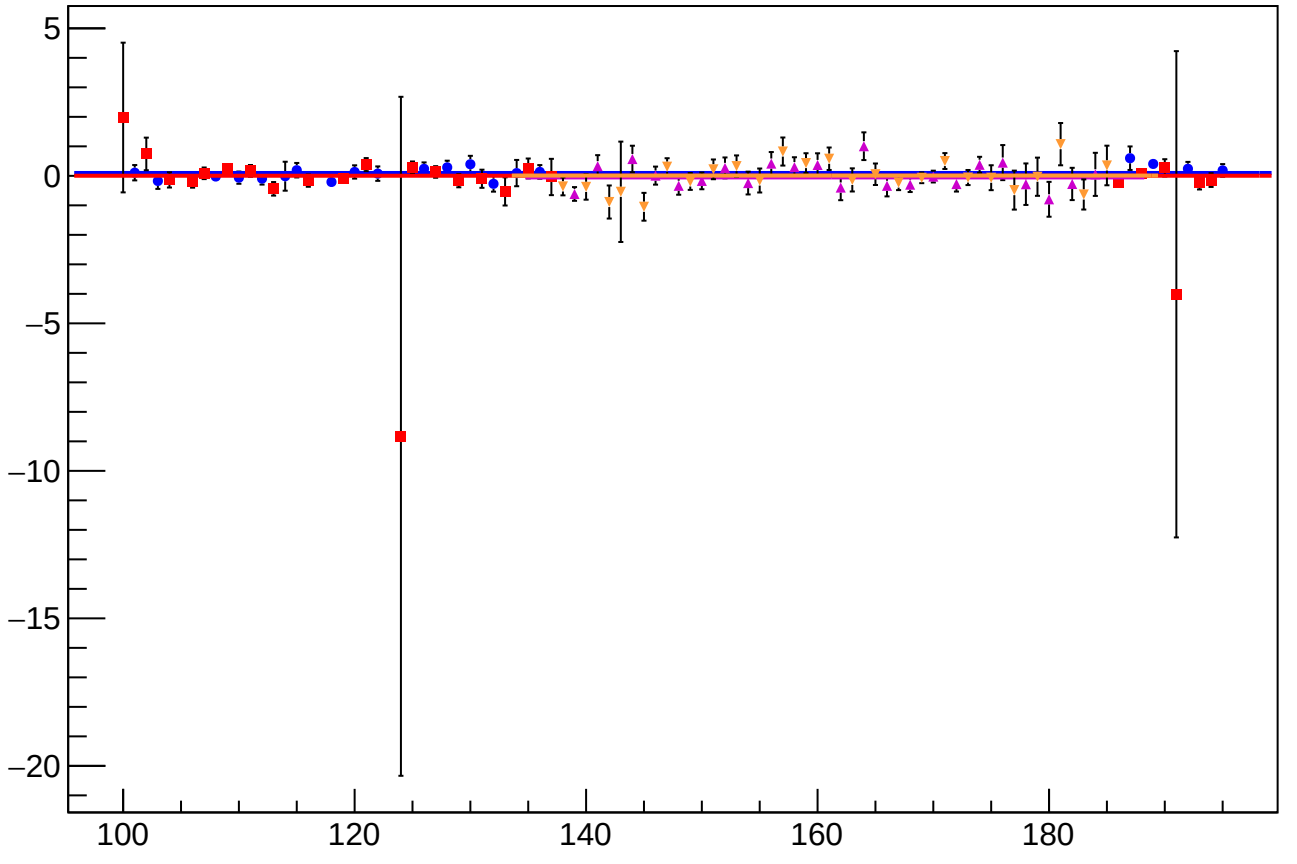
Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

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: 11361907.2/92

- sign 0.000+/-0.000 χ^2/NDF: 5734792.1/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

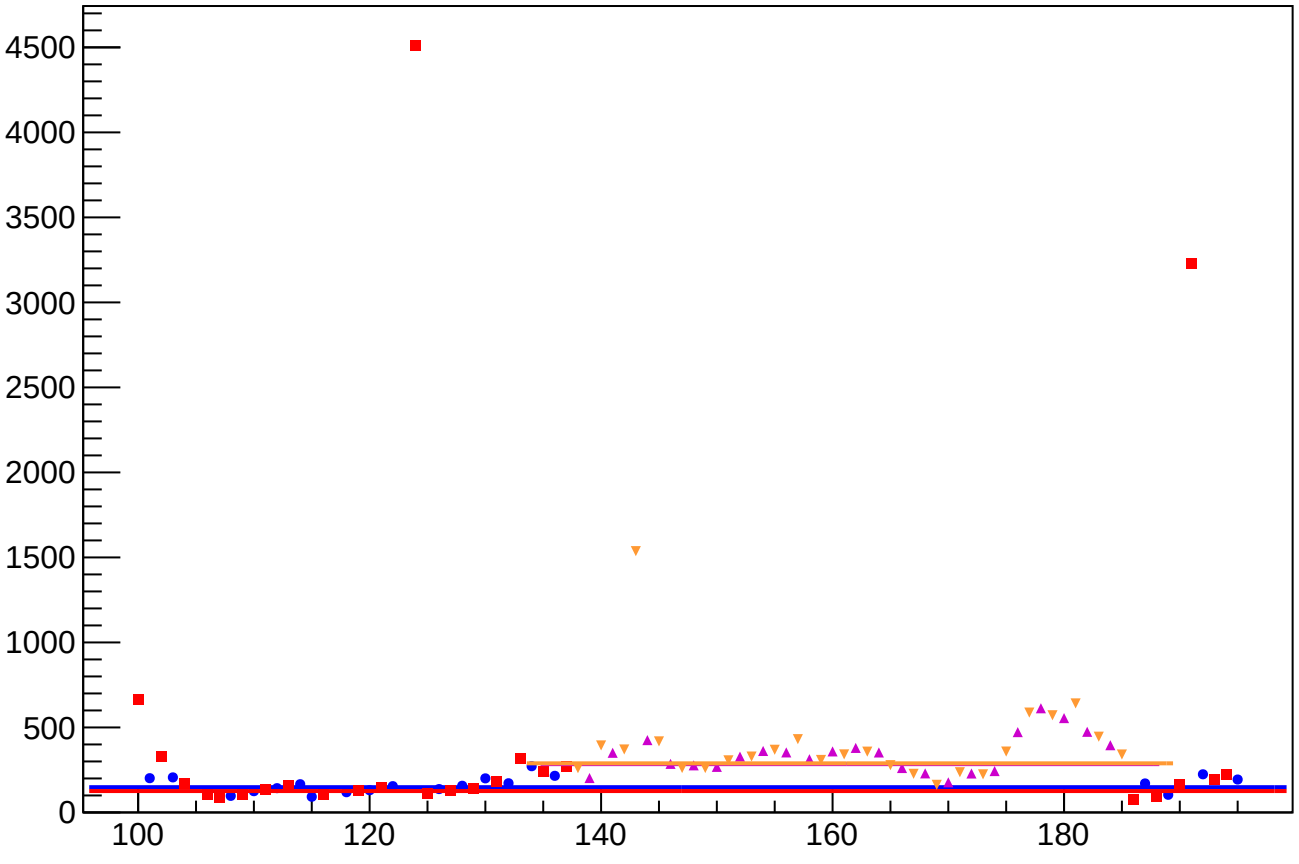
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

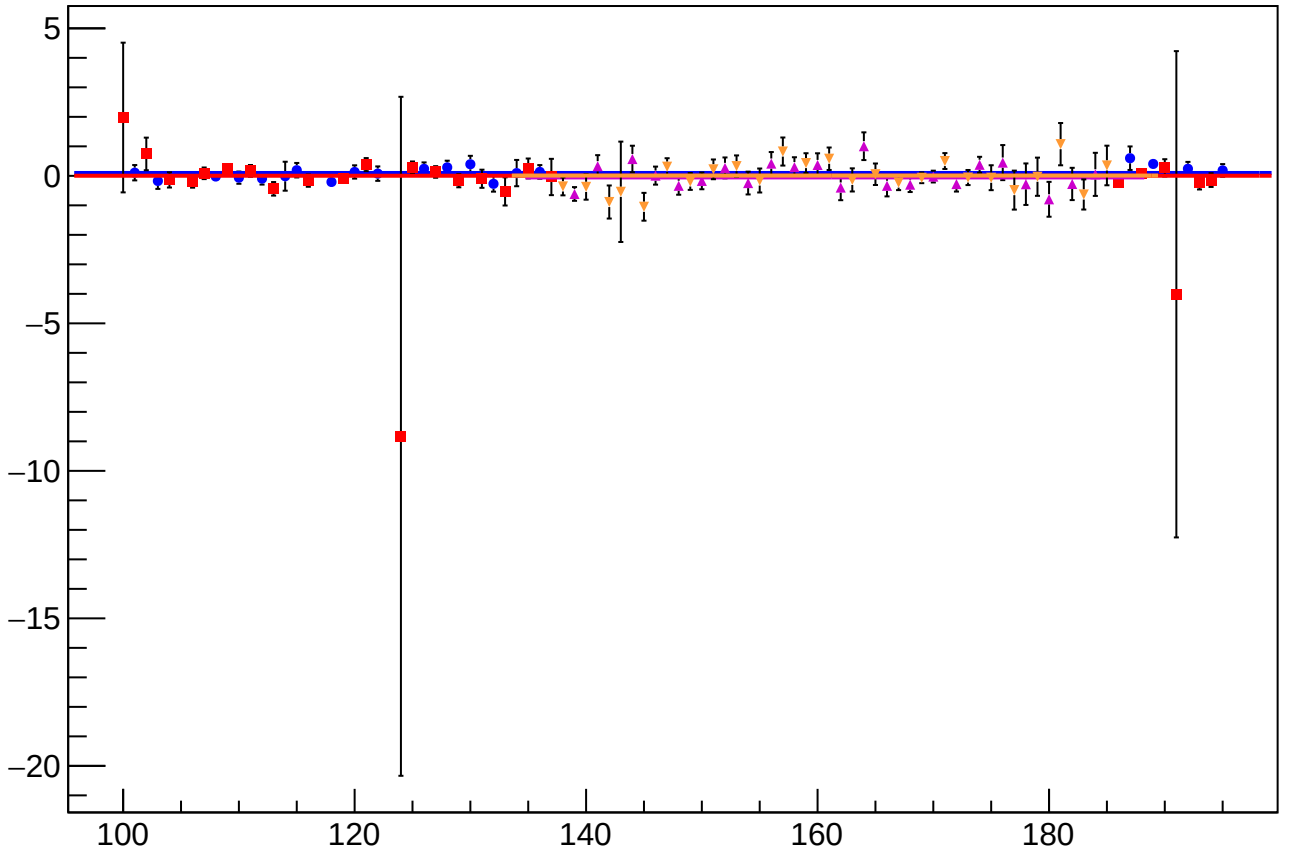
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

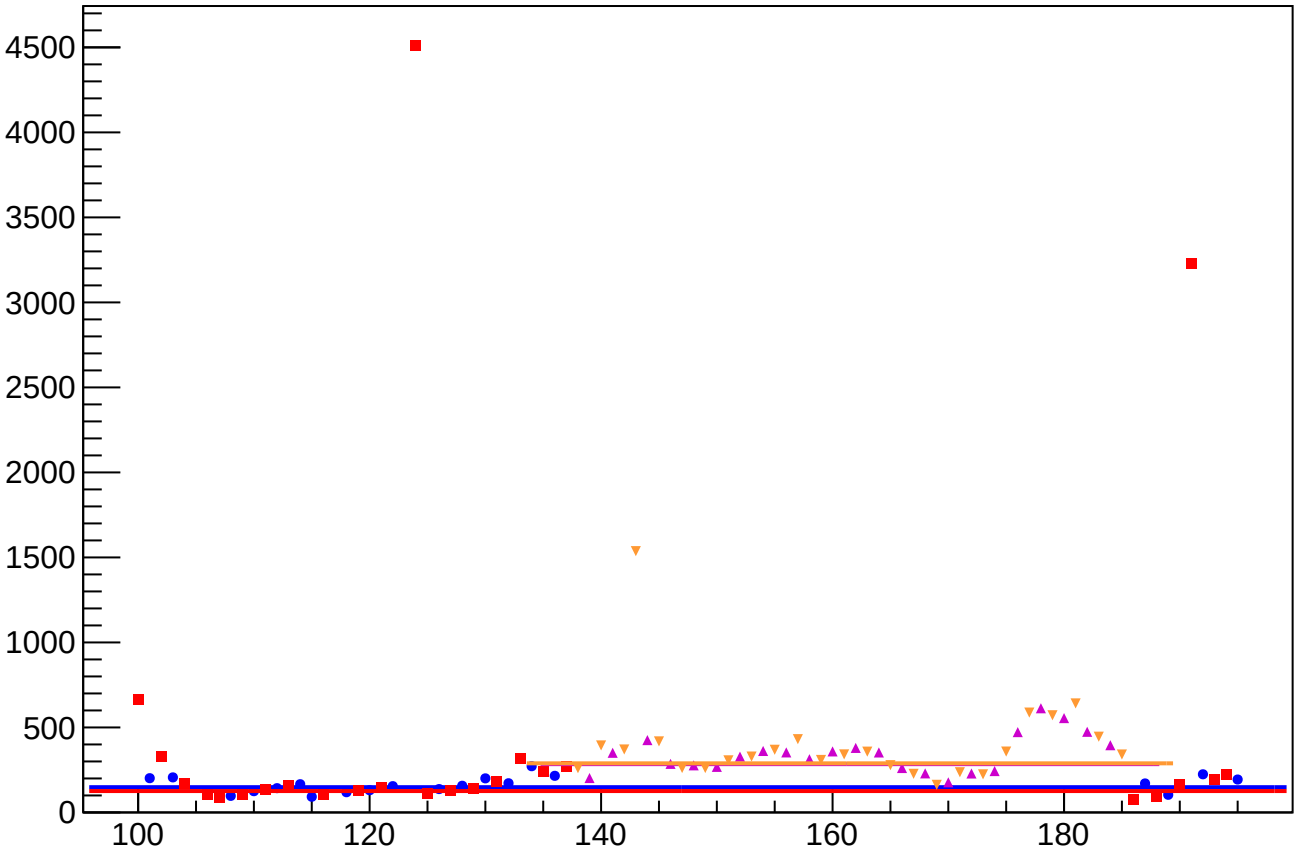
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

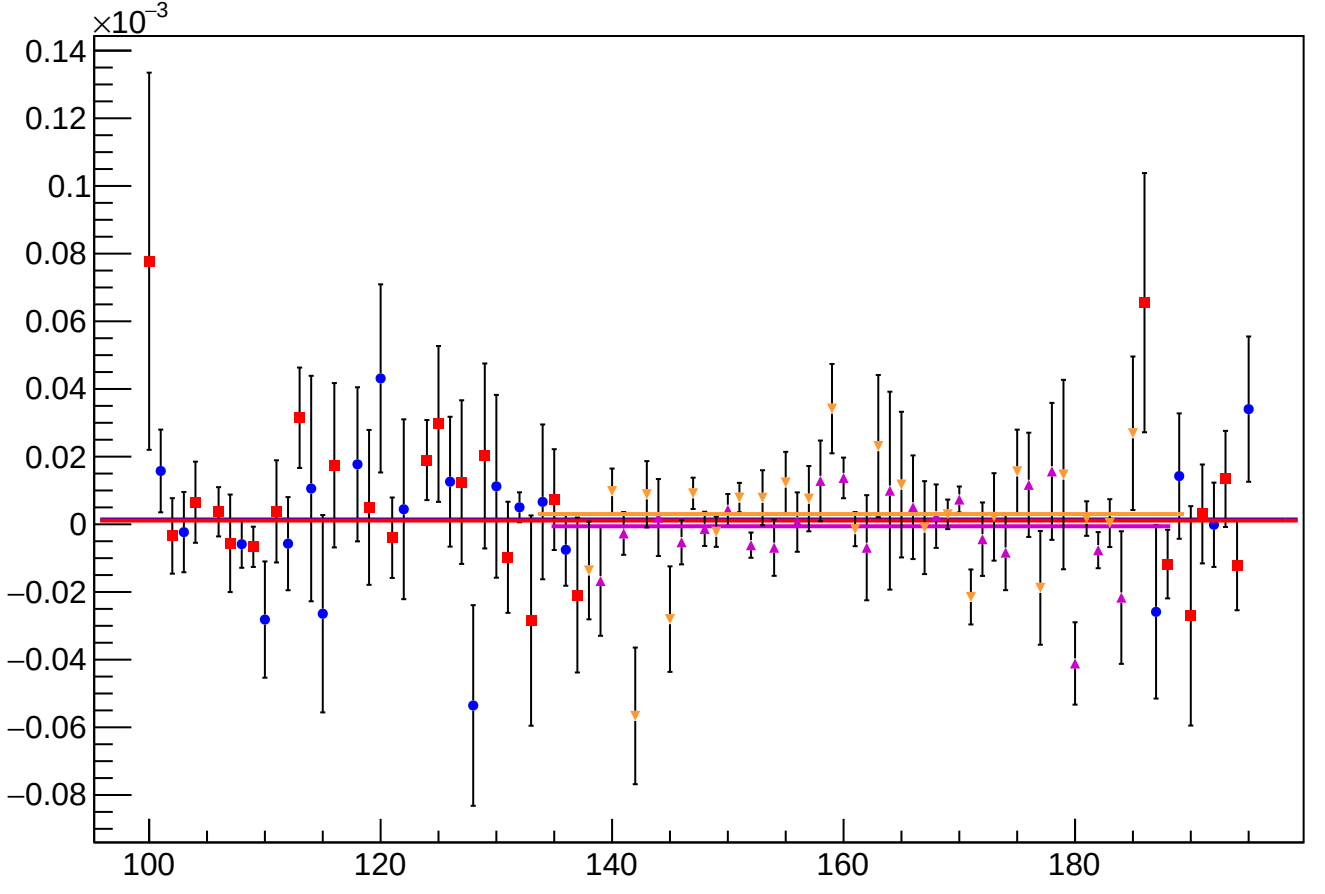
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

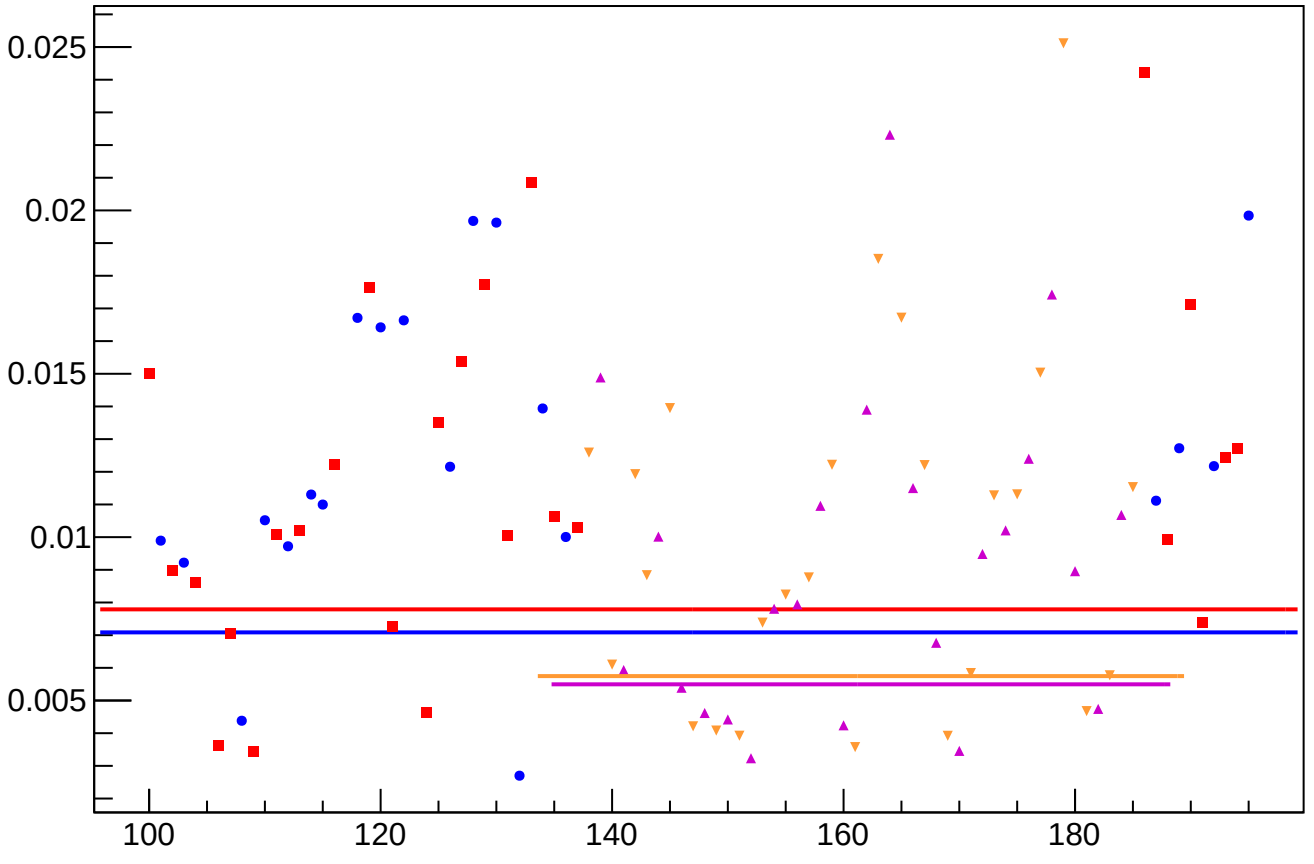
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

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: 120.2/92

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



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: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

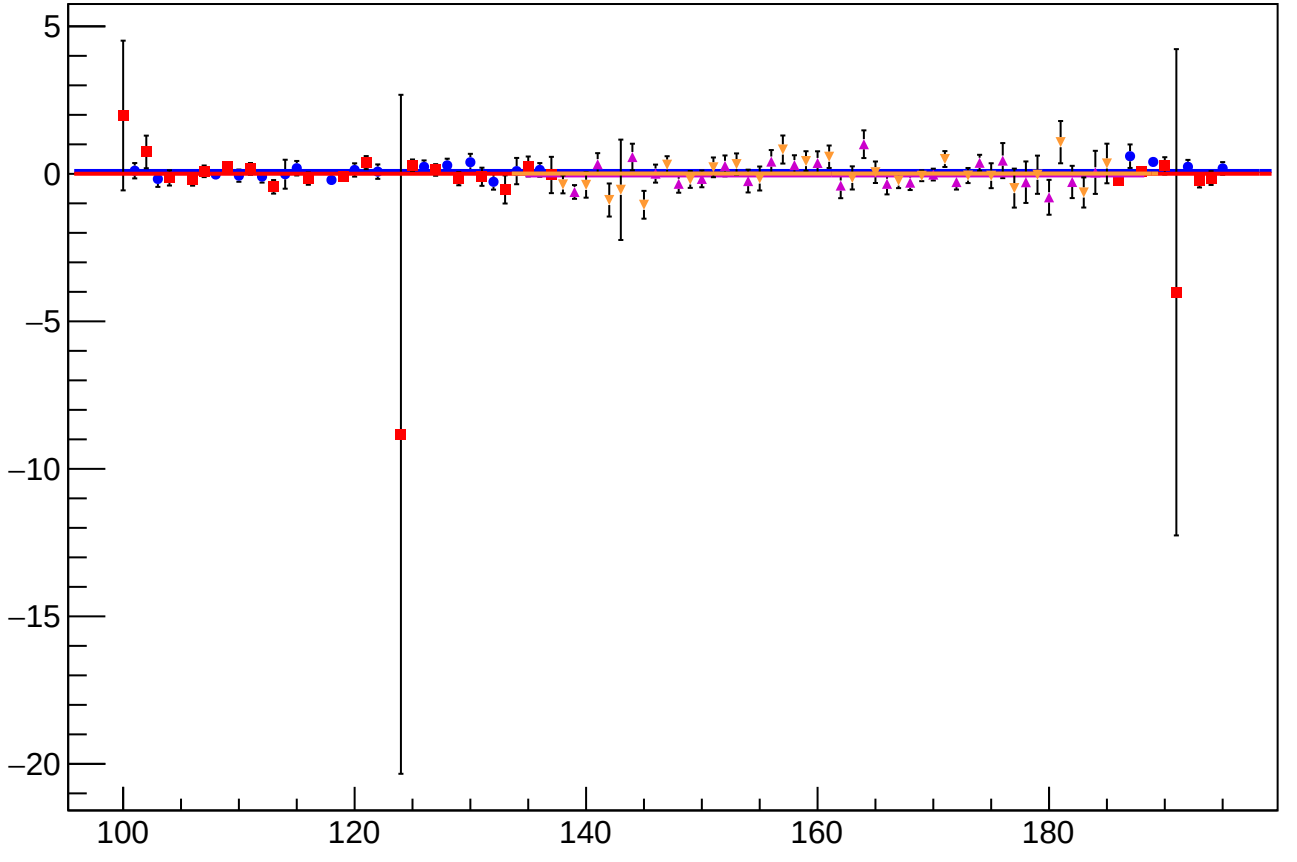
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14517339.2/44

All: 0.006+/-0.000 χ^2/NDF: 27220884.6/92

\- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47

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: 0.003+/-0.043 χ^2/NDF: 27.5/24

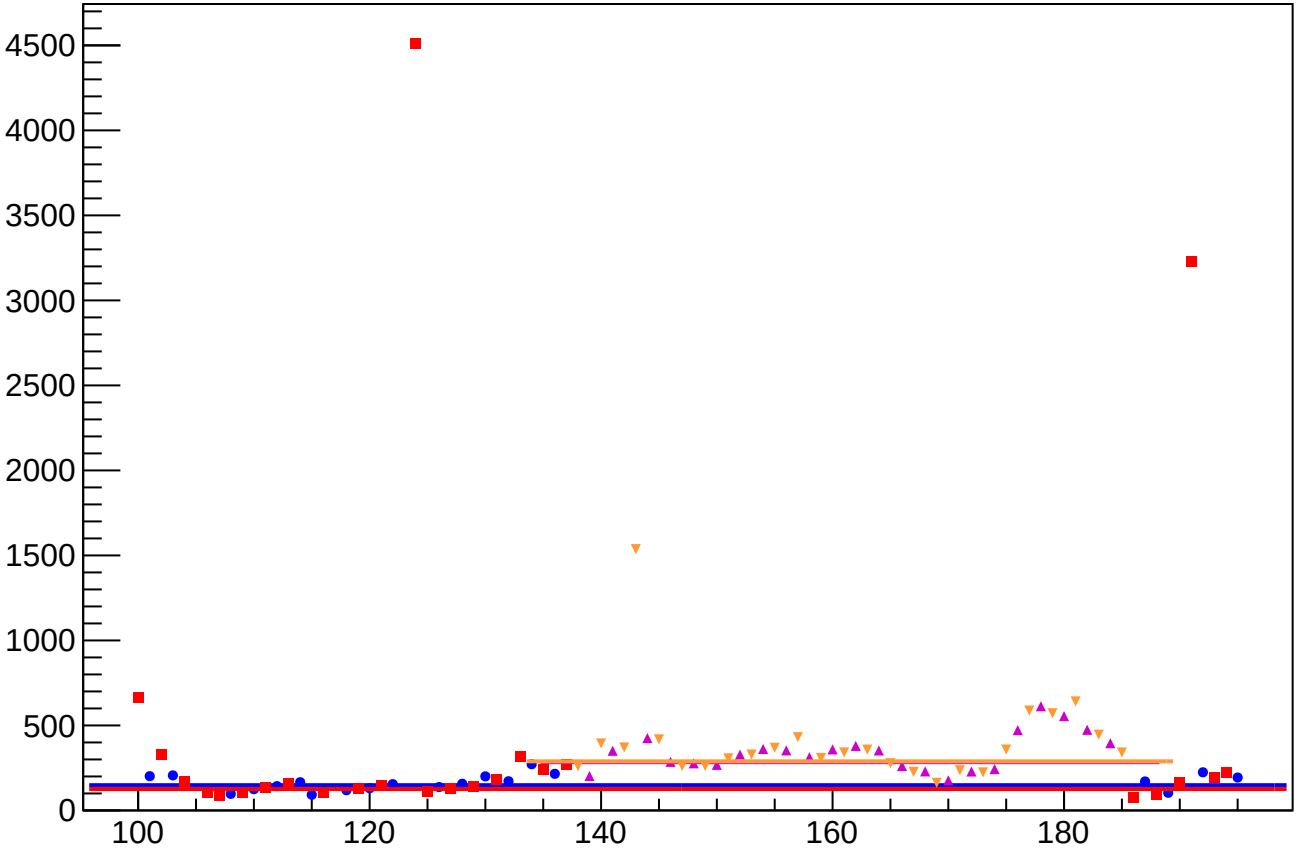
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

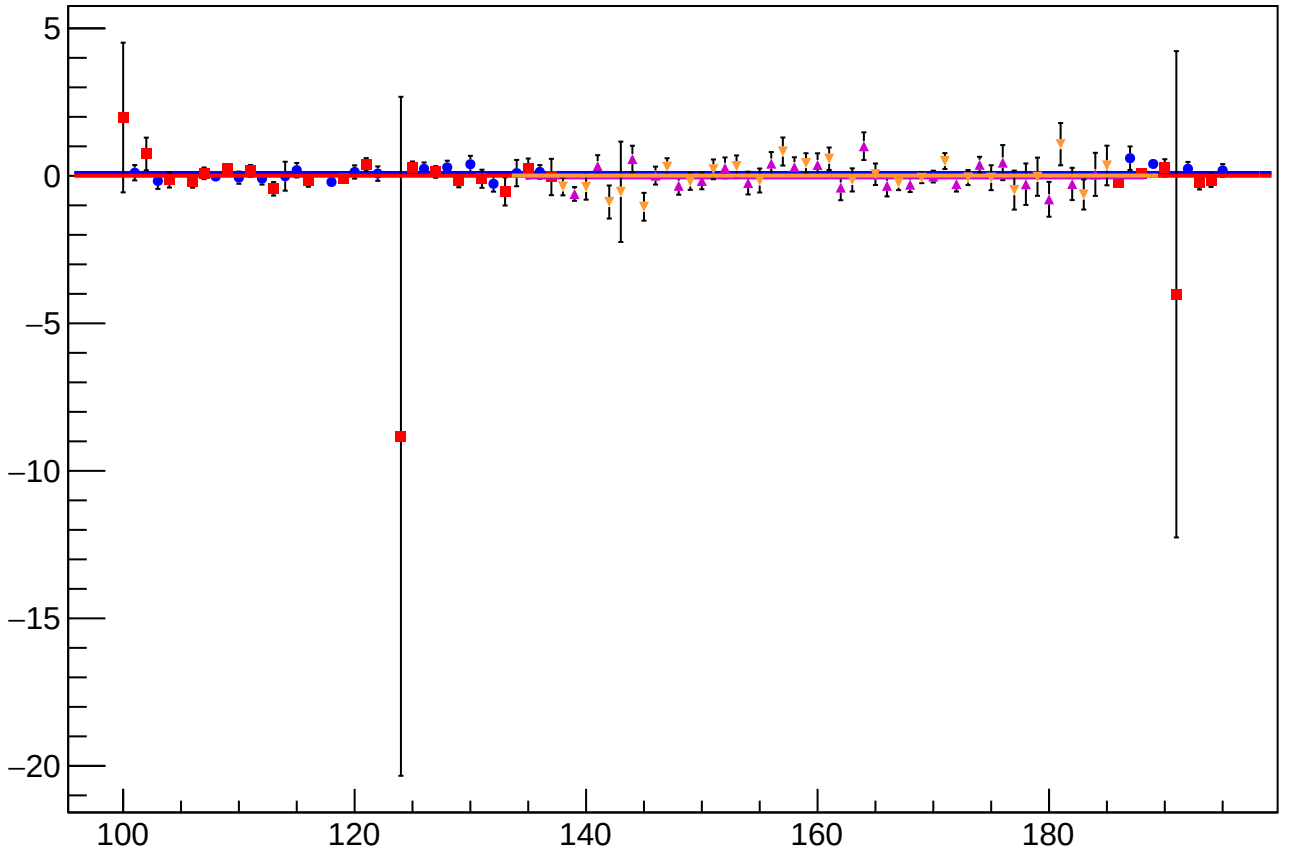
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

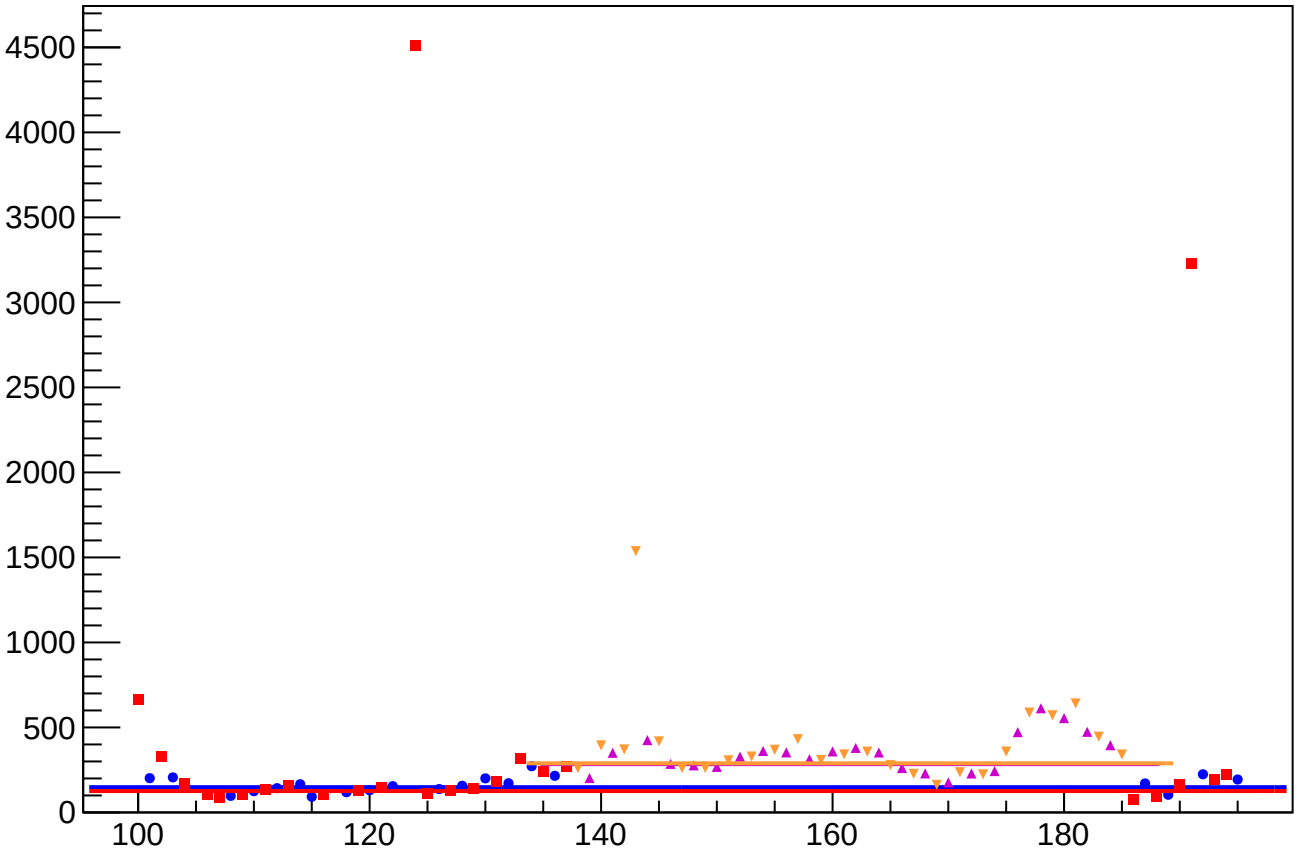
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

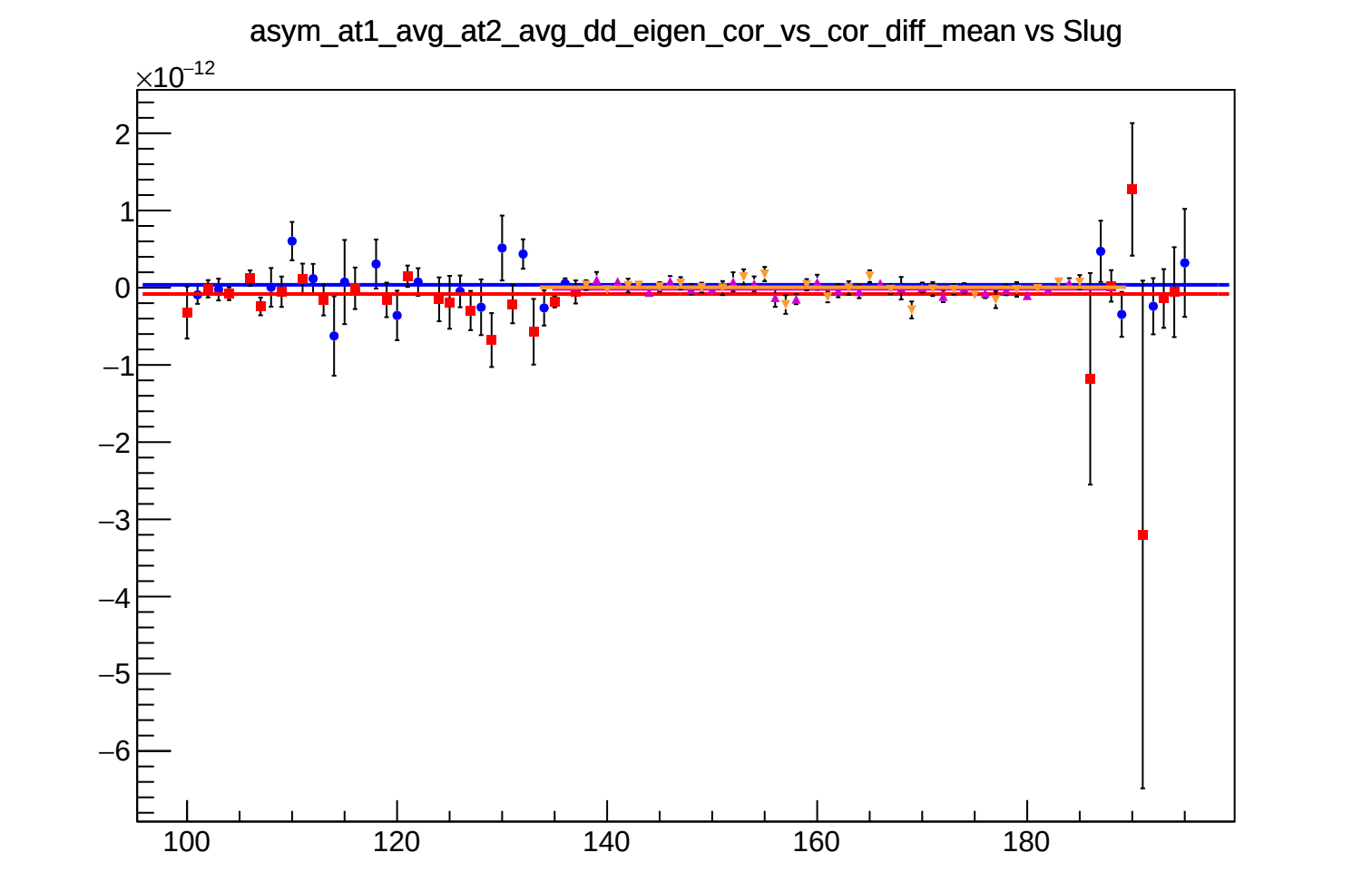
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

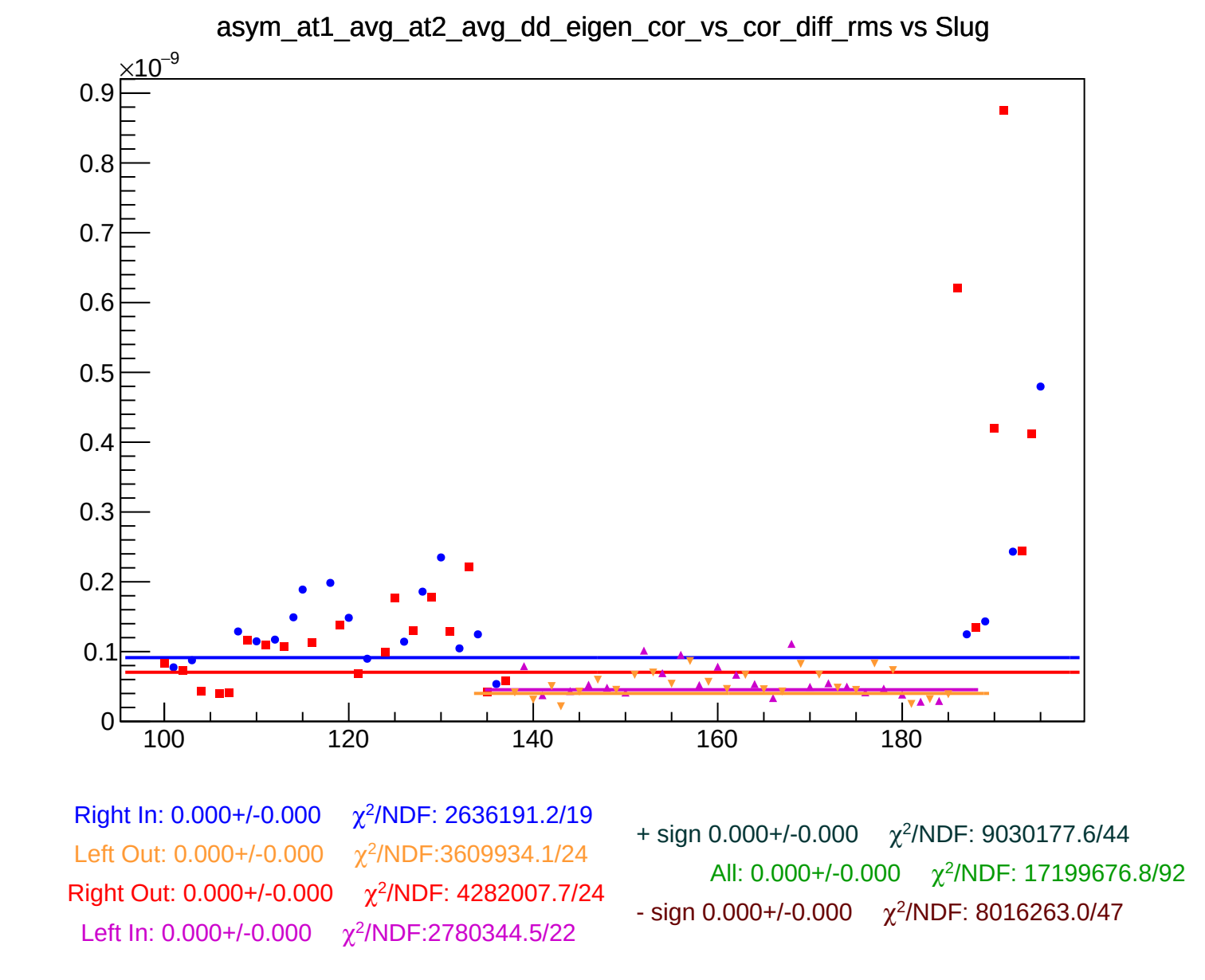
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

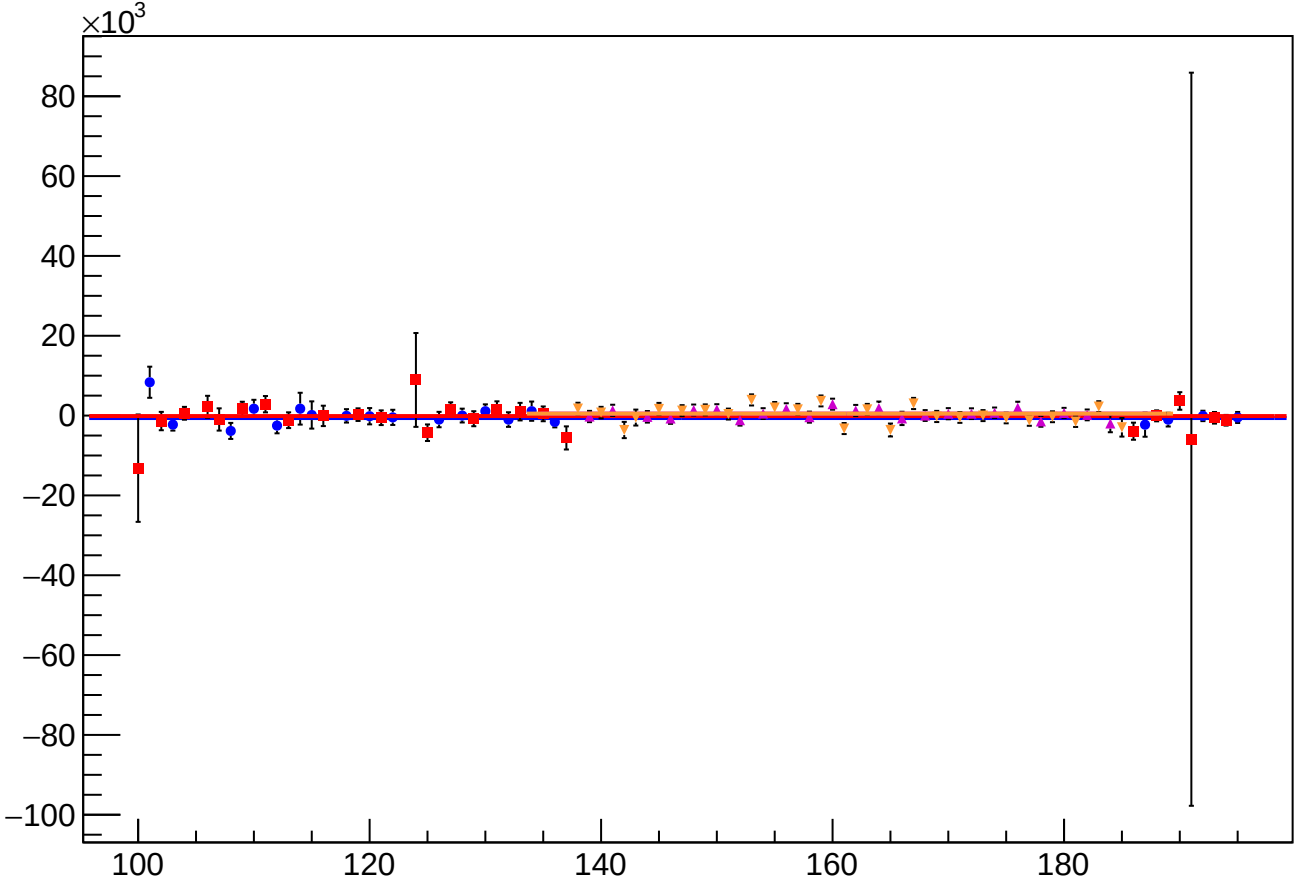
All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.7/19
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.5/24
Left In: -0.000+/-0.000 χ²/NDF:23.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.4/44
All: -0.000+/-0.000 χ²/NDF: 110.0/92
- sign -0.000+/-0.000 χ²/NDF: 49.2/47


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2636191.2/19
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 4282007.7/24
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9030177.6/44
All: 0.000+/-0.000 χ²/NDF: 17199676.8/92
- sign 0.000+/-0.000 χ²/NDF: 8016263.0/47

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

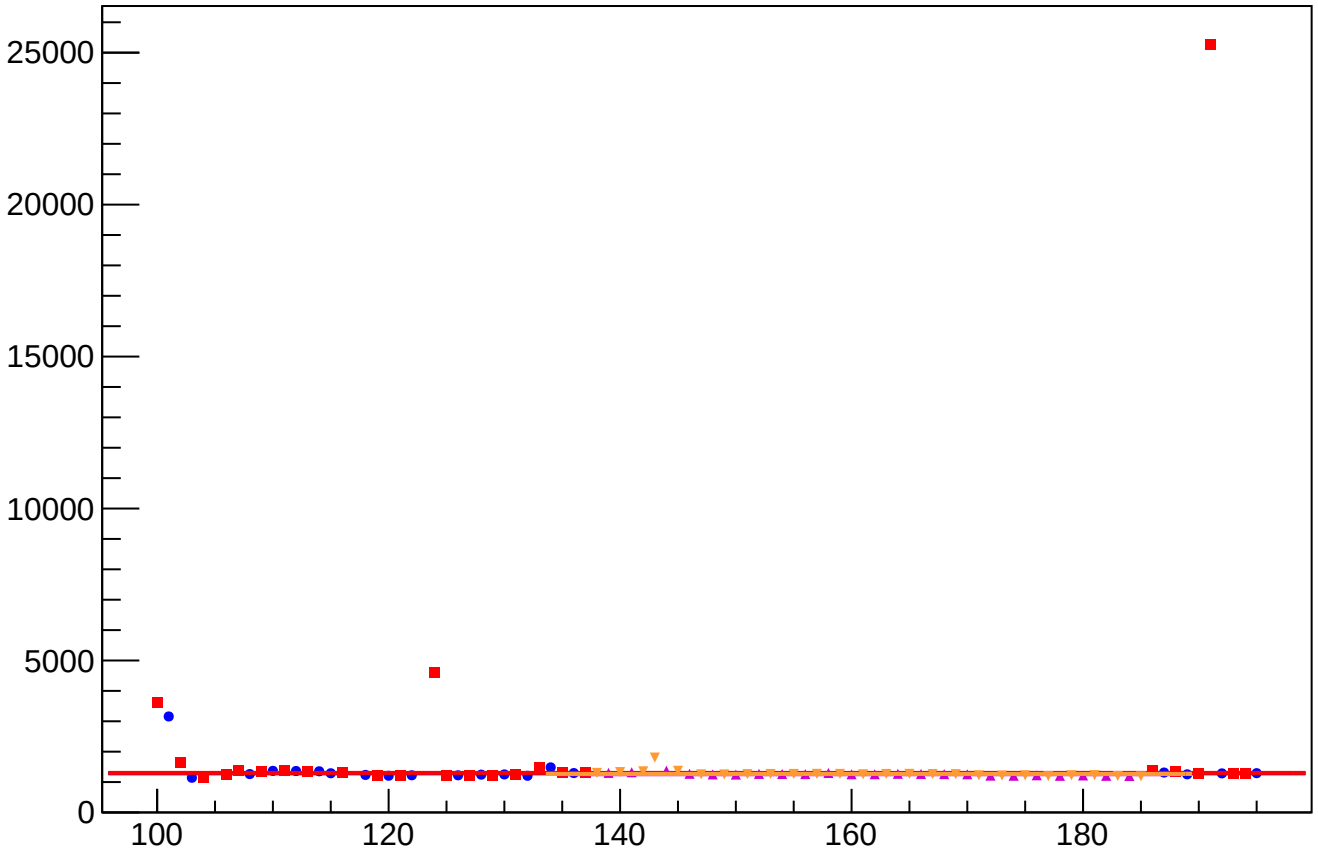
Right Out: -122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 133.959+/-237.274 χ^2/NDF: 66.1/44

All: 204.324+/-167.751 χ^2/NDF: 105.0/92

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

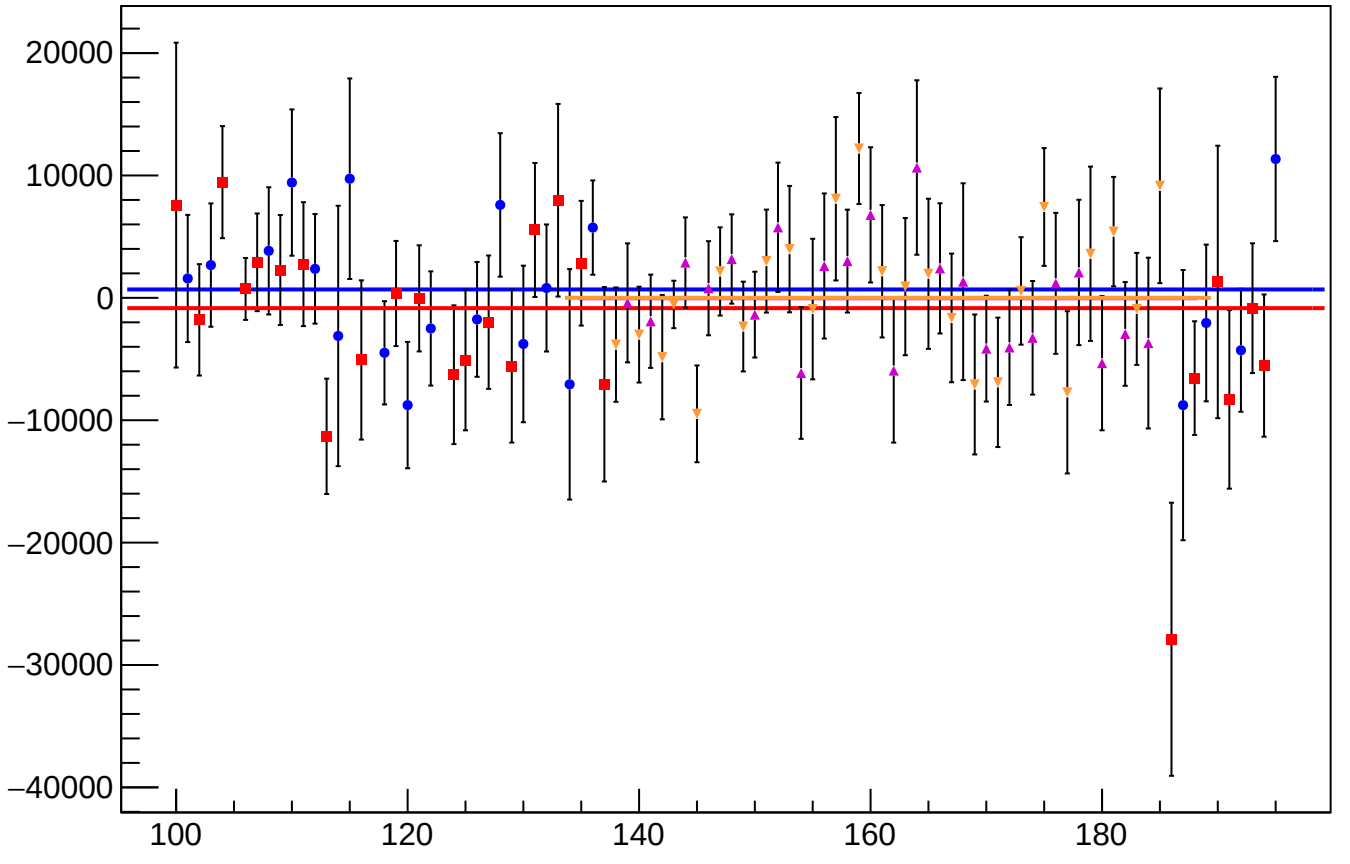
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706525.8/44

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

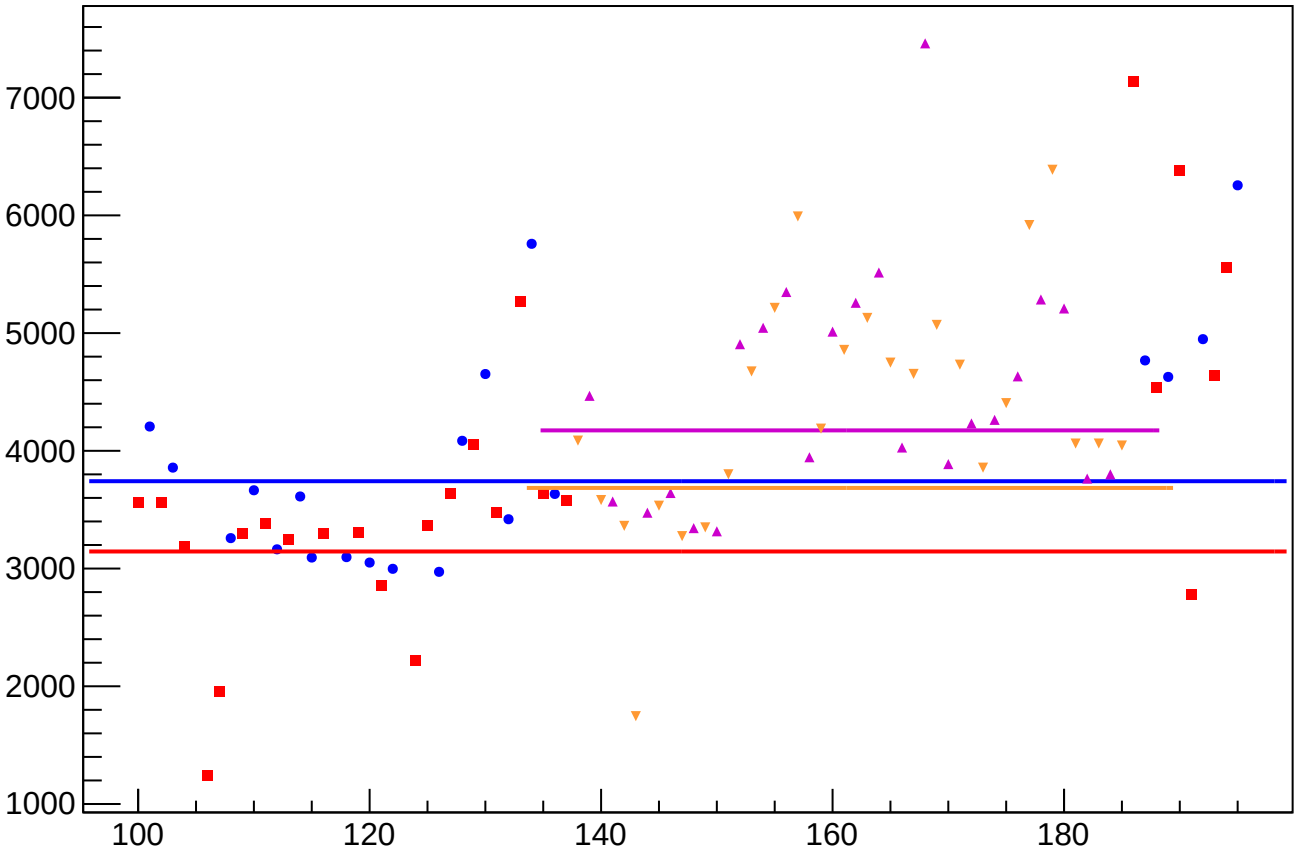
Right Out: -841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 235.023+/-718.659 χ^2/NDF: 47.7/44

All: -97.738+/-506.235 χ^2/NDF: 90.7/92

- sign -425.483+/-713.222 χ^2/NDF: 42.5/47



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

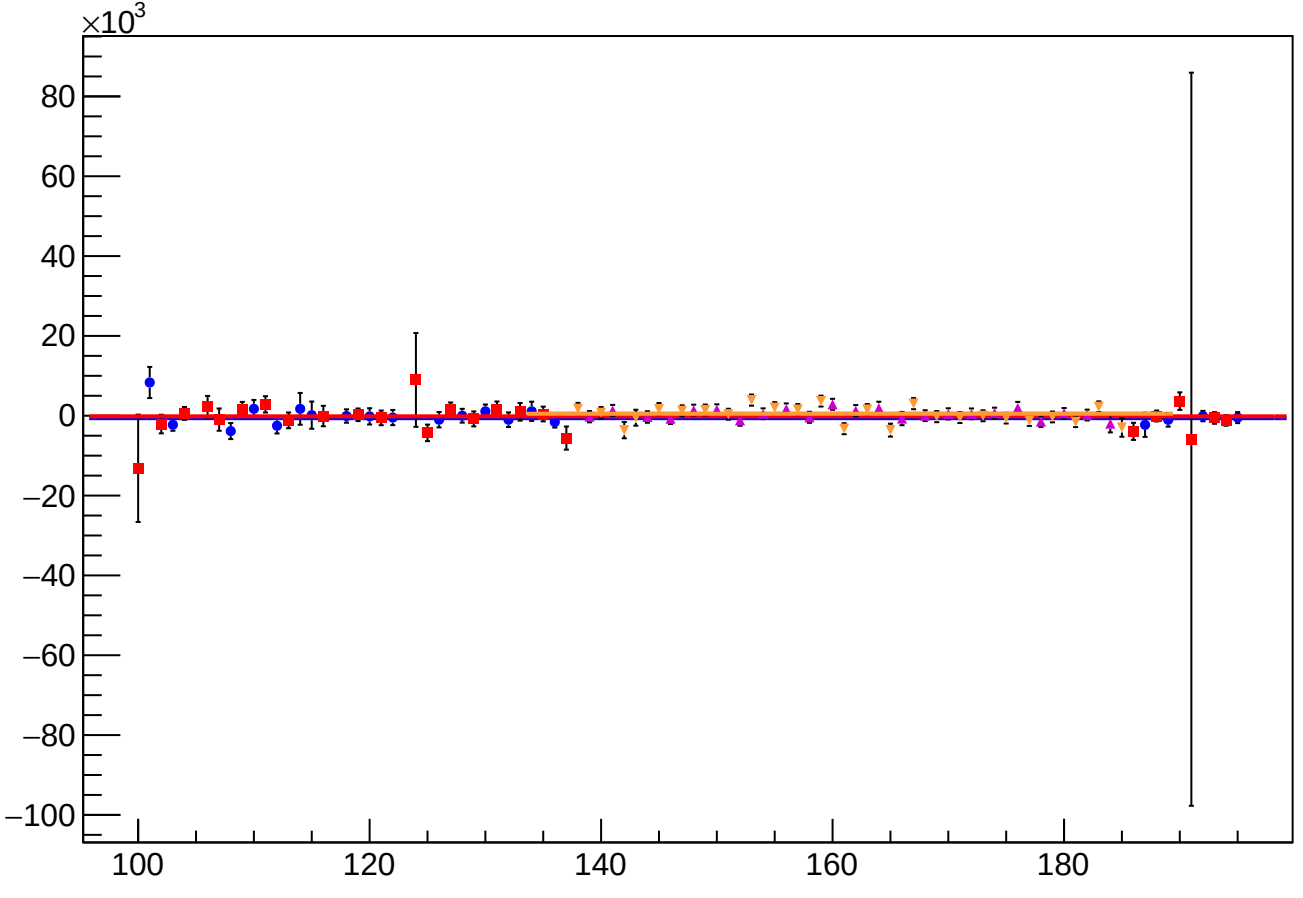
Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3704.384+/-0.508 χ^2/NDF: 4564376.7/44

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47



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: -142.652+/-402.235 χ^2/NDF: 23.2/24

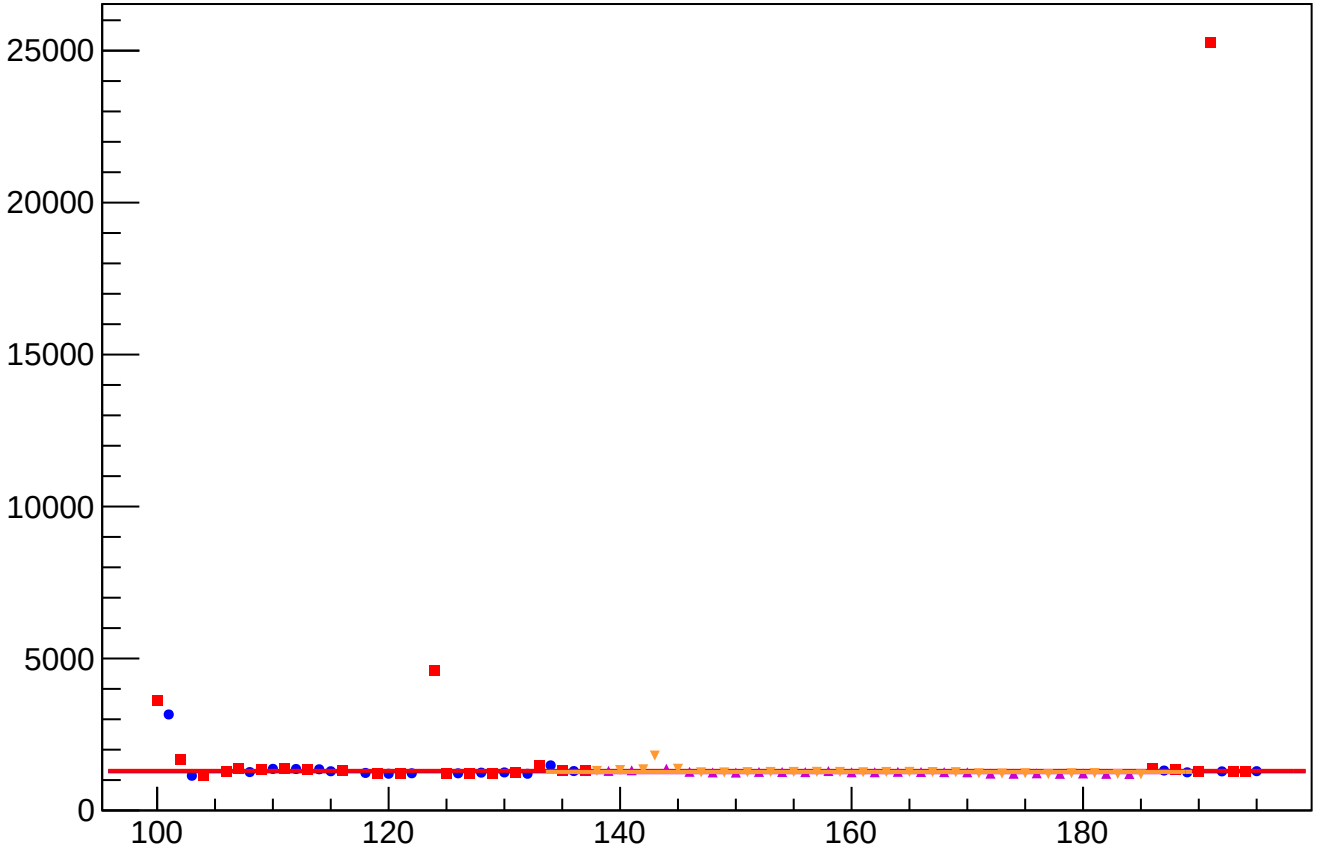
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

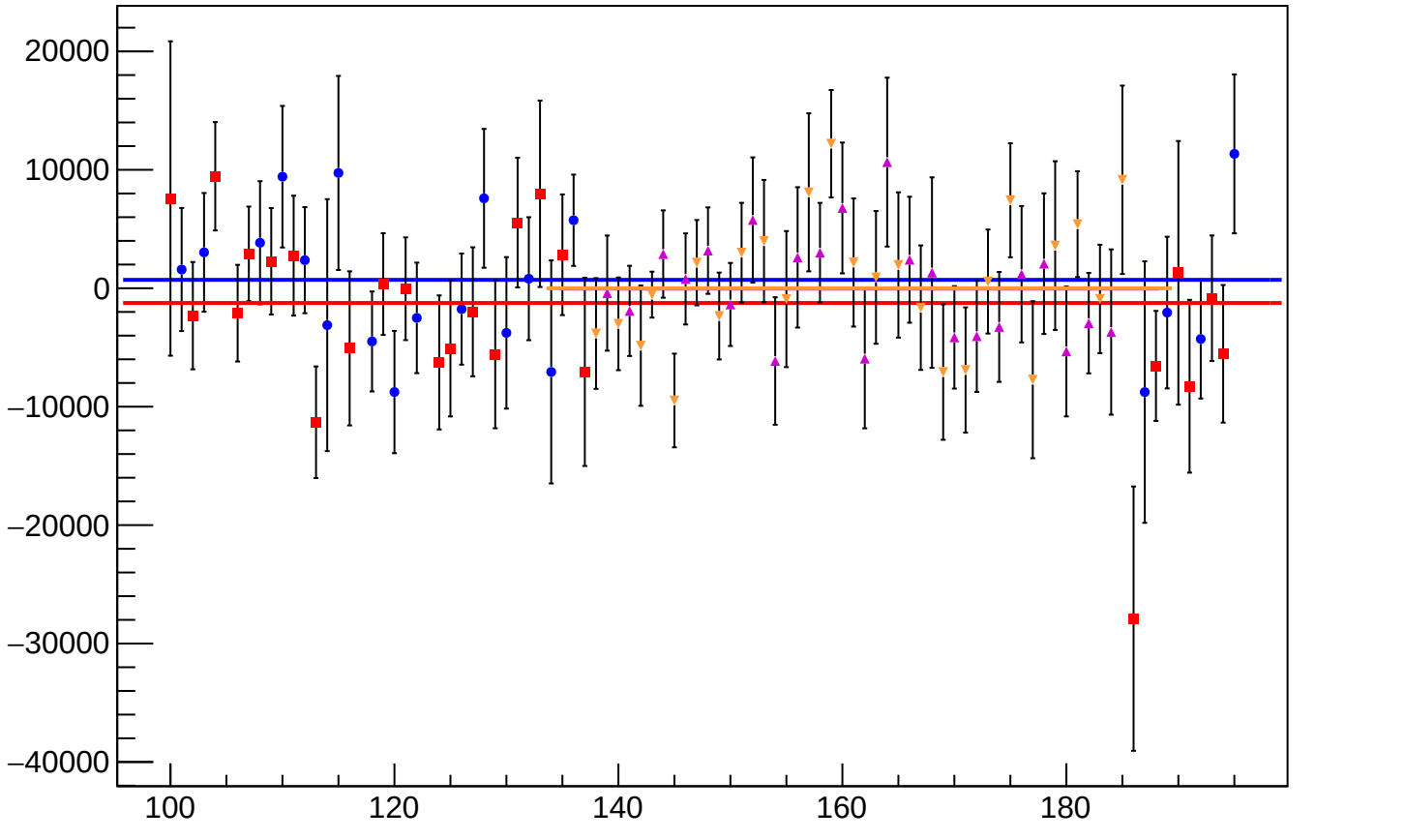
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

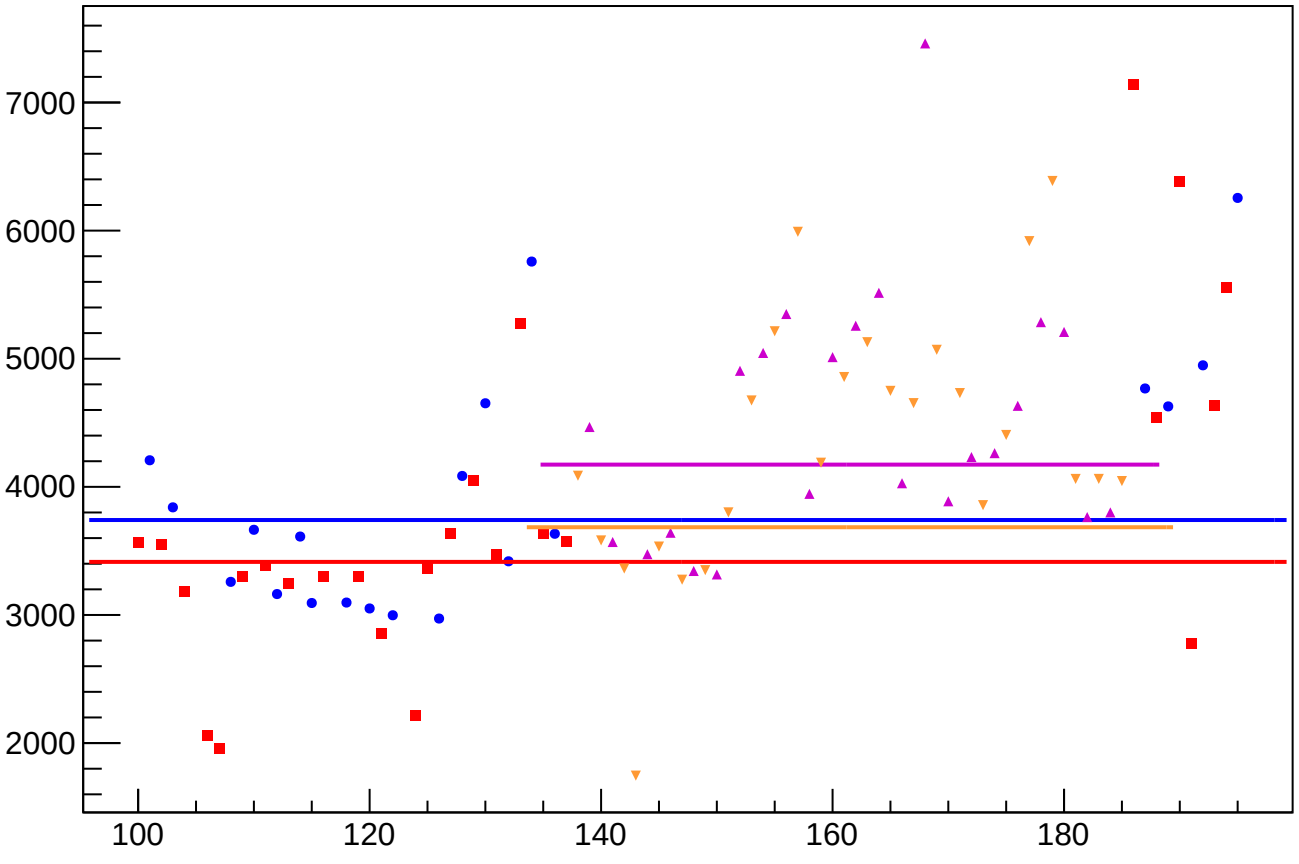
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 242.764+/-718.586 χ^2/NDF: 47.8/44

All: -165.916+/-512.533 χ^2/NDF: 91.0/92

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

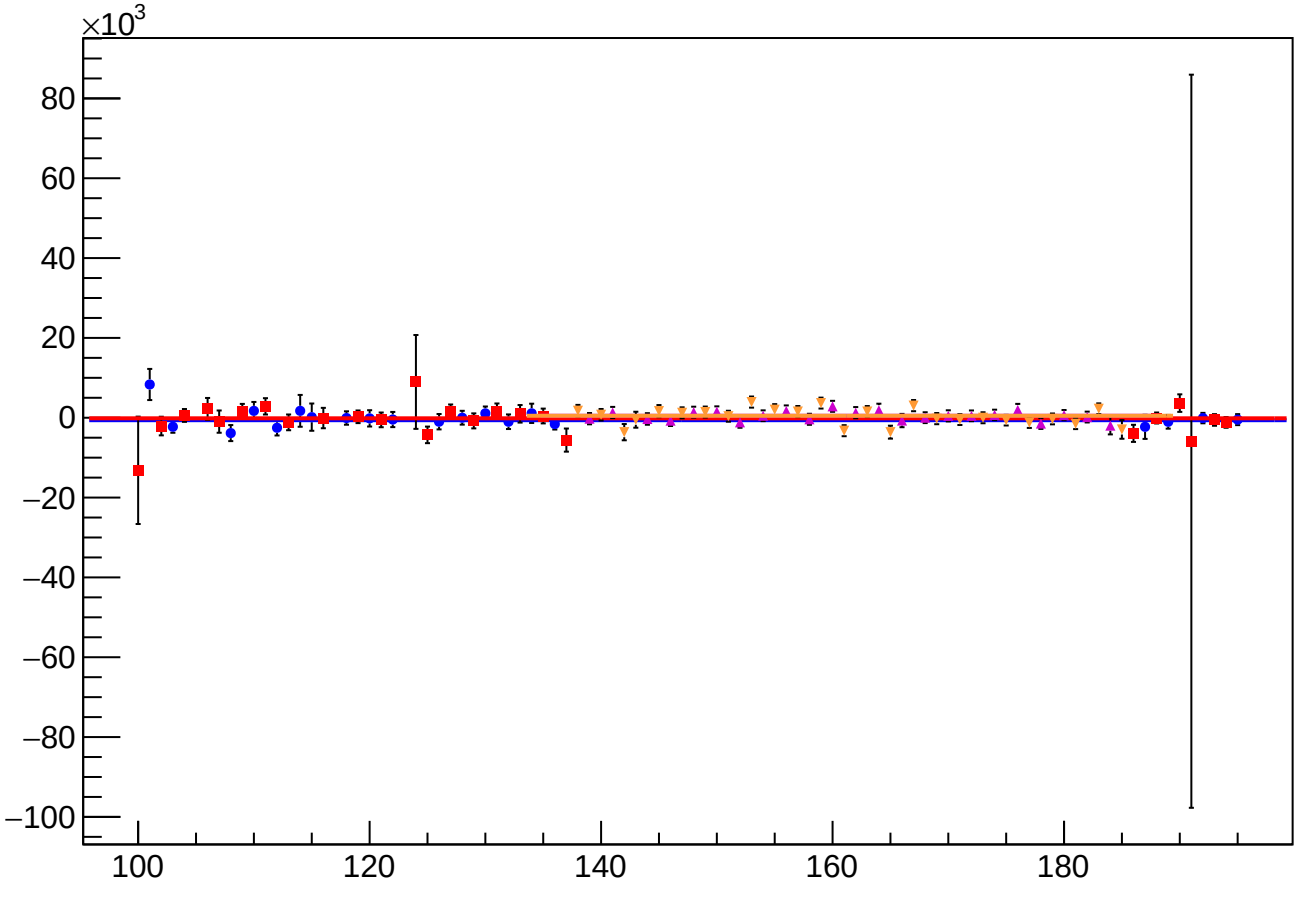
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



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: -142.652+/-402.235 χ^2/NDF: 23.2/24

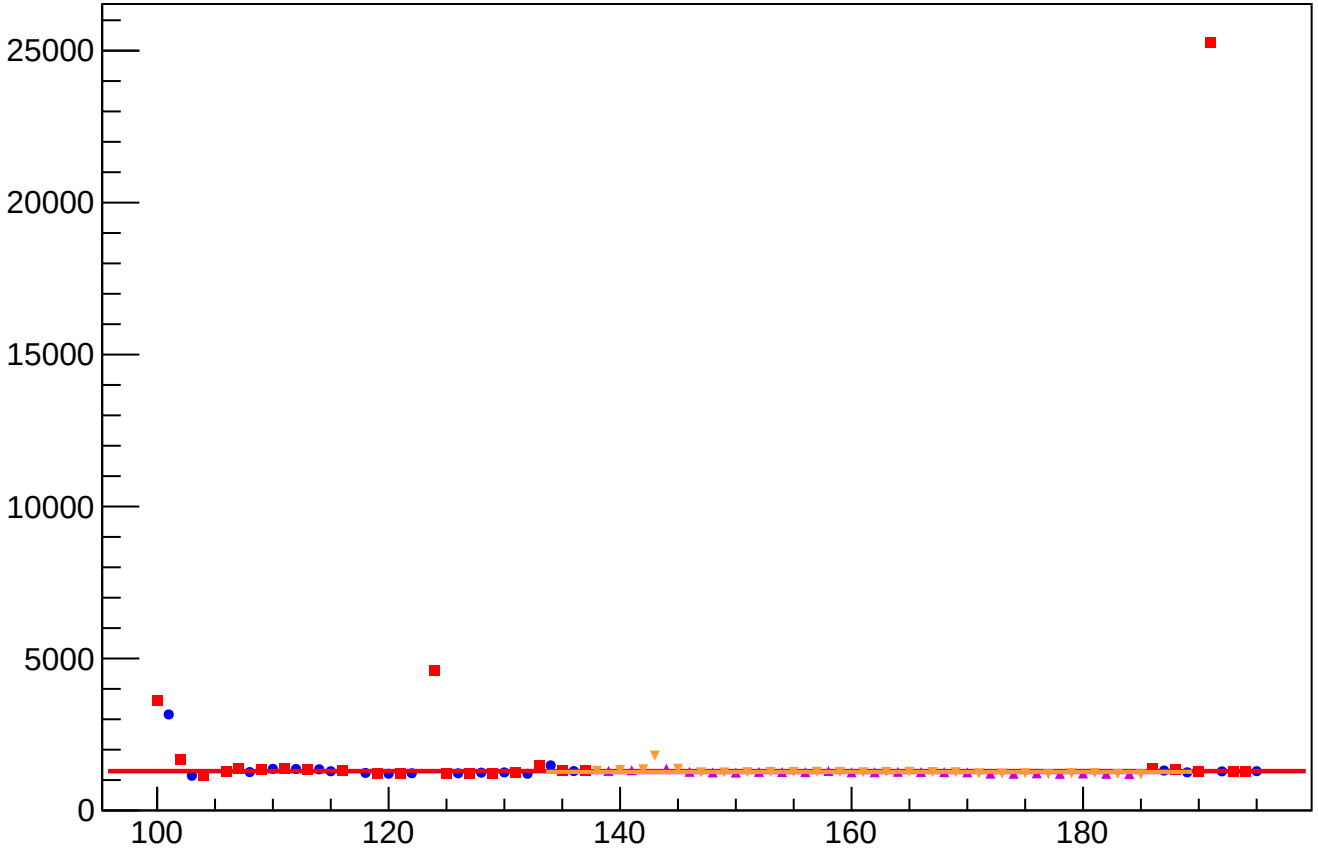
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.882+/-237.274 χ^2/NDF: 66.1/44

All: 200.848+/-167.764 χ^2/NDF: 105.5/92

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

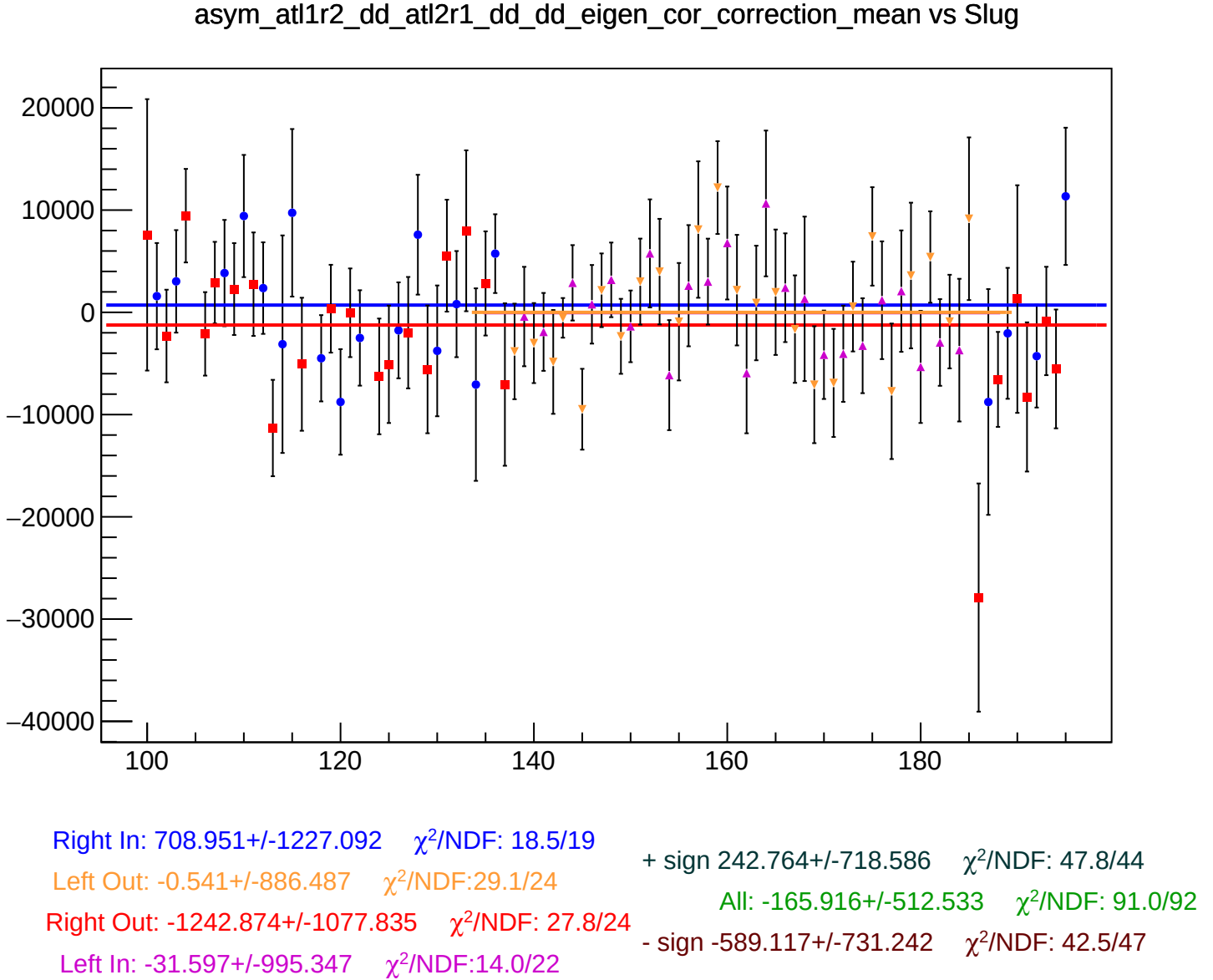
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

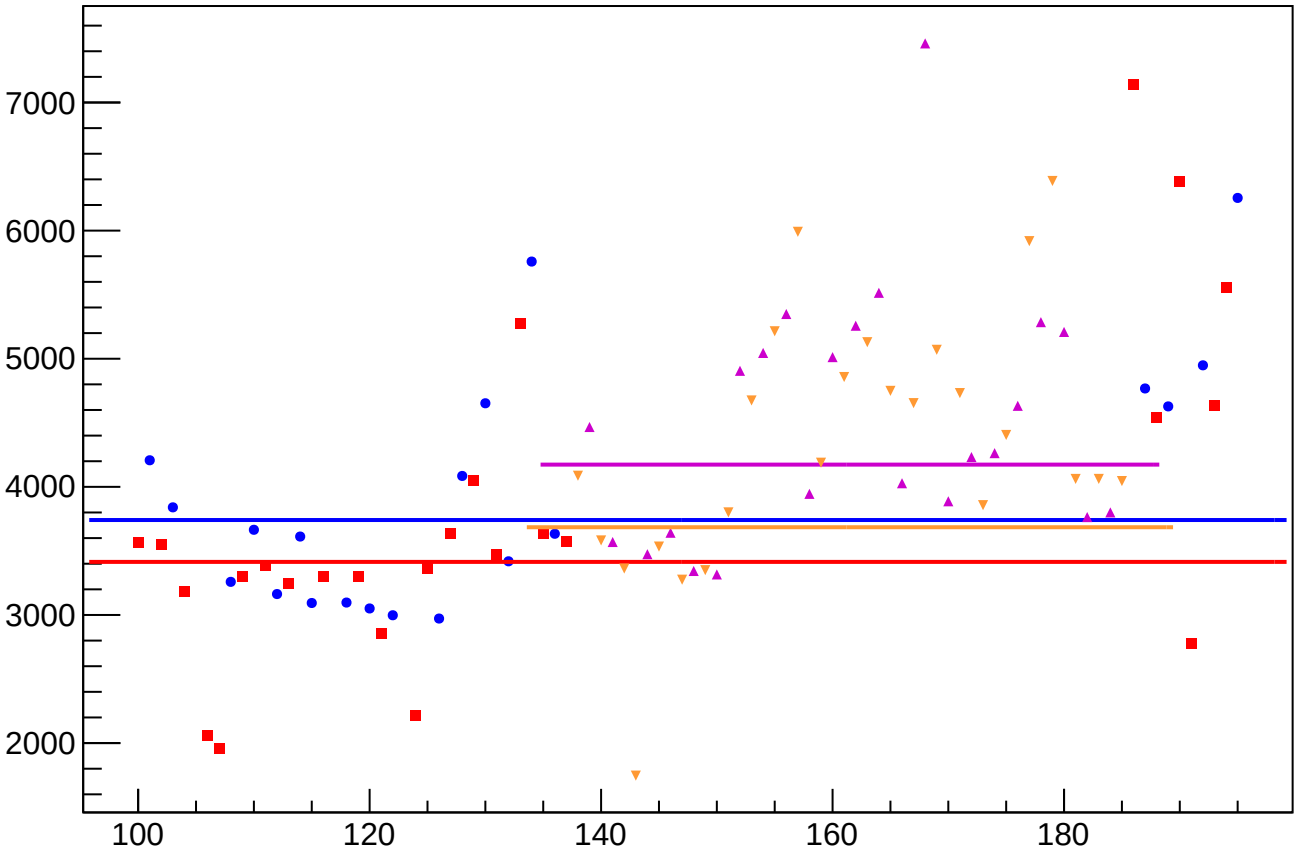
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.695+/-0.168 χ^2/NDF: 706527.2/44

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 708.951+/-1227.092 χ²/NDF: 18.5/19
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1242.874+/-1077.835 χ²/NDF: 27.8/24
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 242.764+/-718.586 χ²/NDF: 47.8/44
All: -165.916+/-512.533 χ²/NDF: 91.0/92
- sign -589.117+/-731.242 χ²/NDF: 42.5/47



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: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

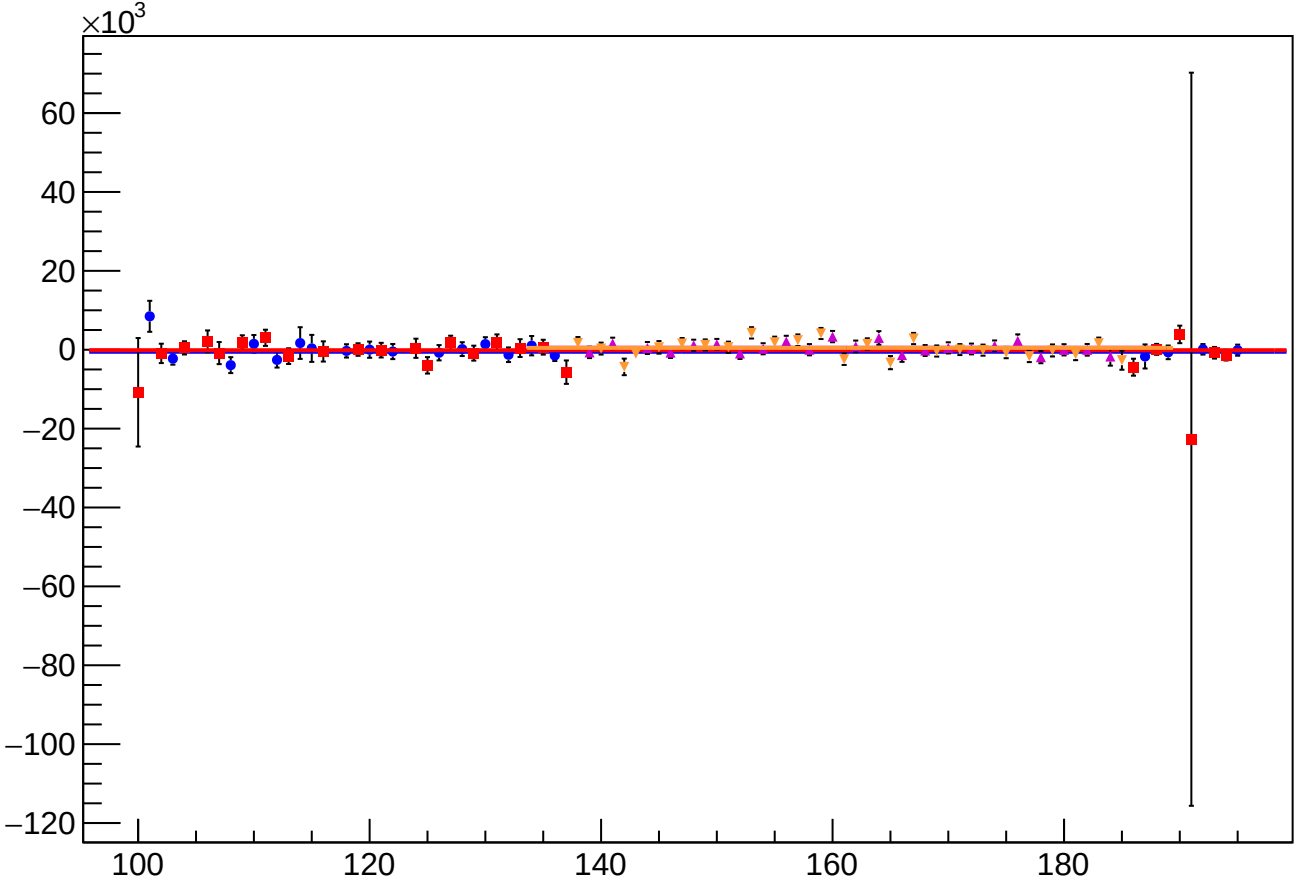
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3704.071+/-0.508 χ^2/NDF: 4564116.6/44

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



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: -122.732+/-402.102 χ^2/NDF: 23.5/24

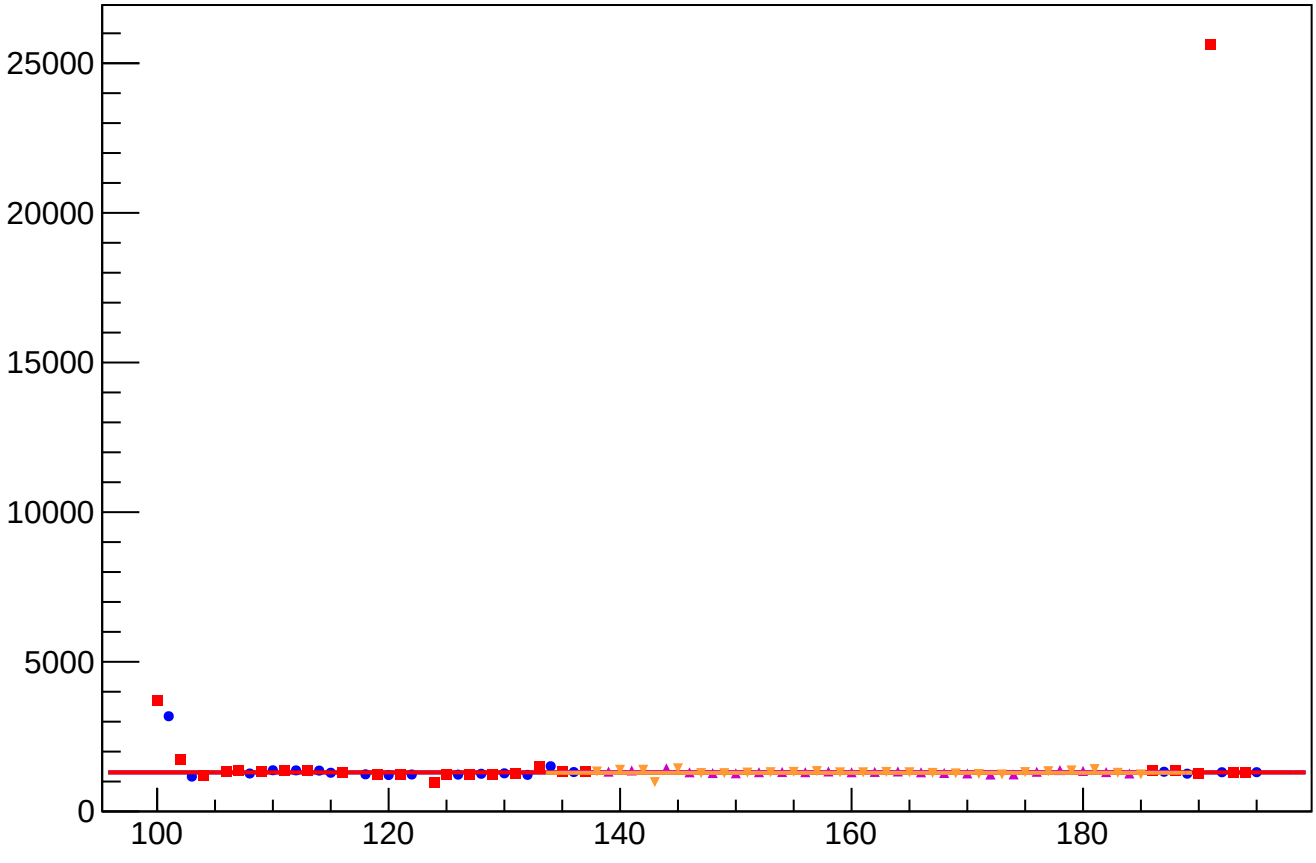
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 146.467+/-241.409 χ^2/NDF: 62.4/44

All: 208.985+/-171.624 χ^2/NDF: 104.9/92

- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

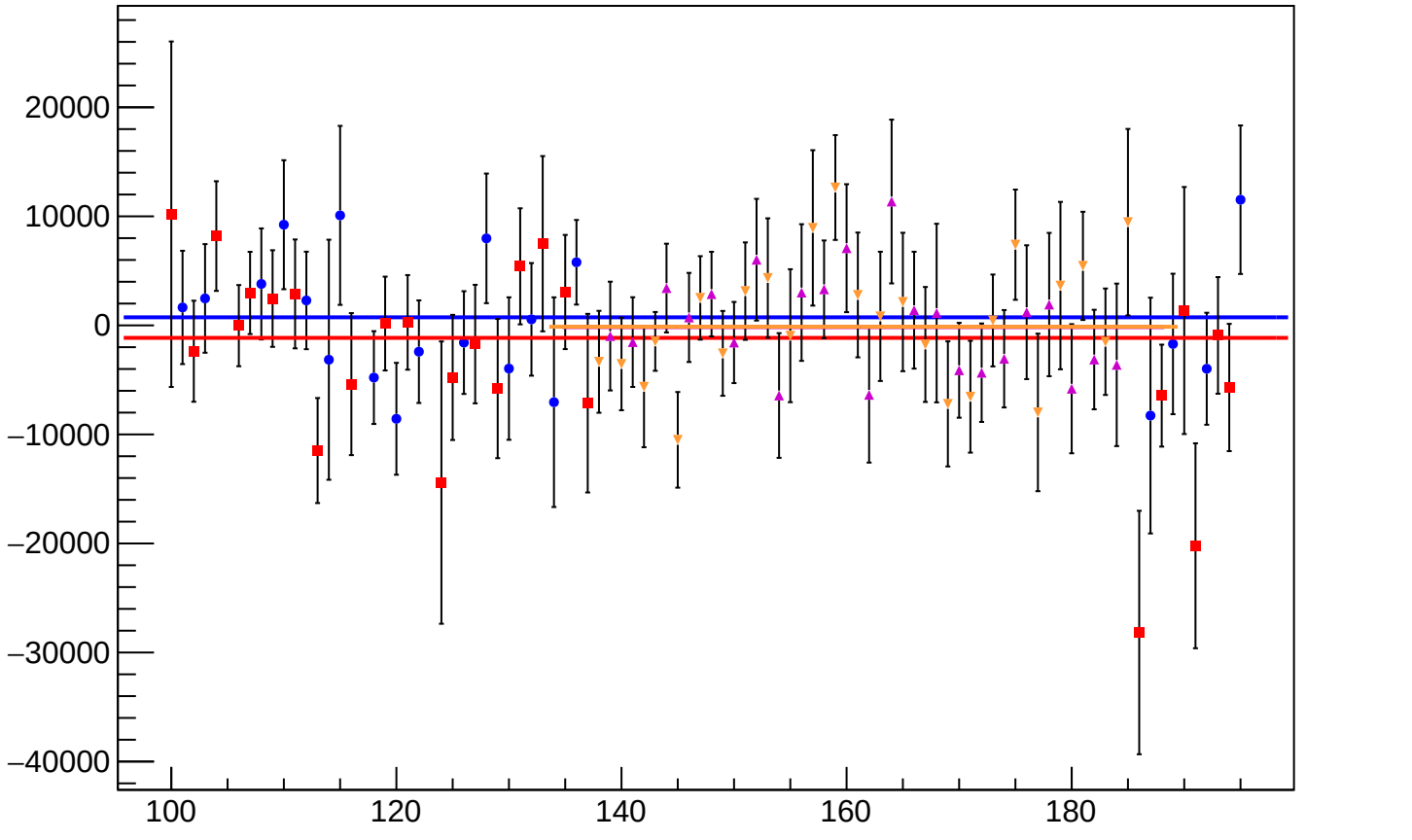
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.211+/-0.171 χ^2/NDF: 743823.7/44

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

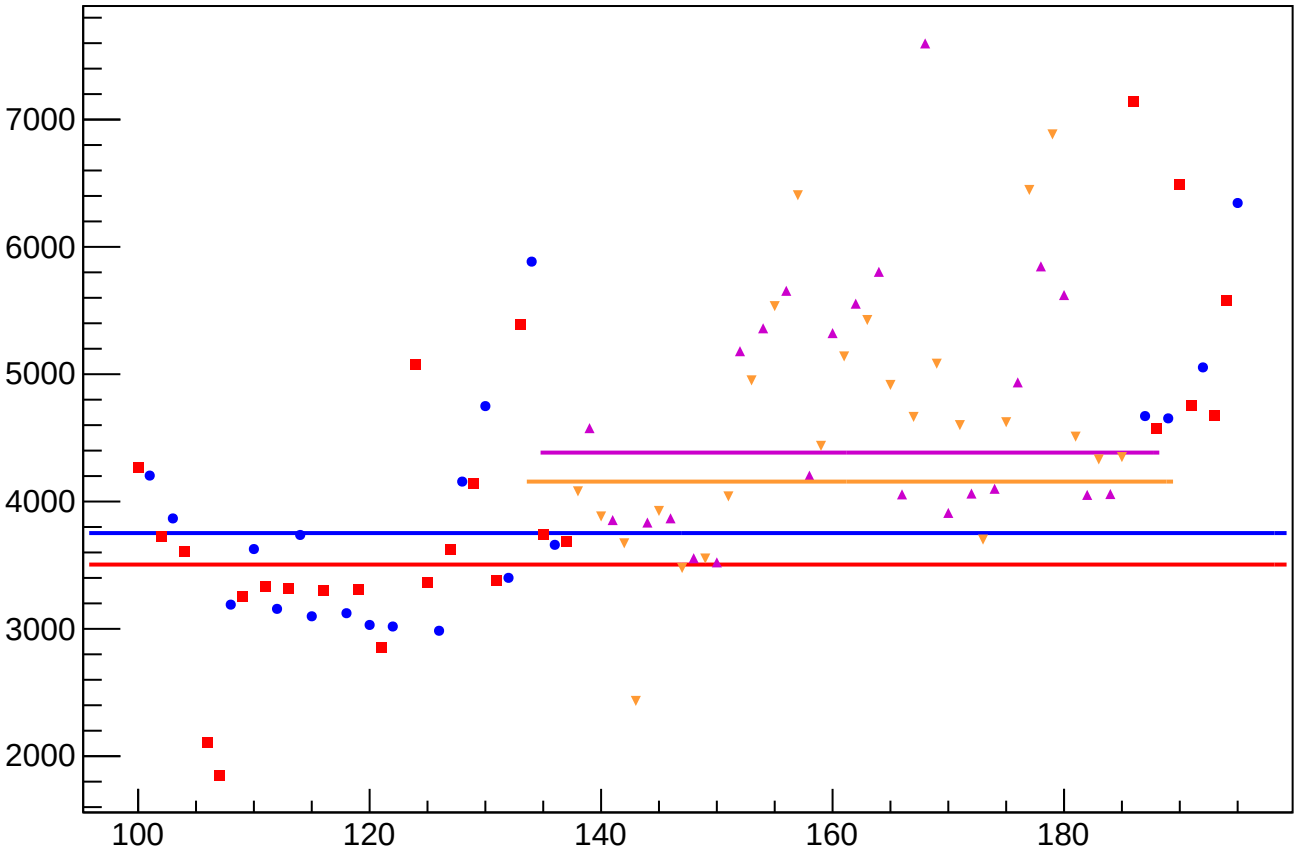
Right Out: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 207.503+/-765.433 χ^2/NDF: 47.2/44

All: -215.571+/-538.125 χ^2/NDF: 91.6/92

- sign -629.033+/-756.688 χ^2/NDF: 43.8/47



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

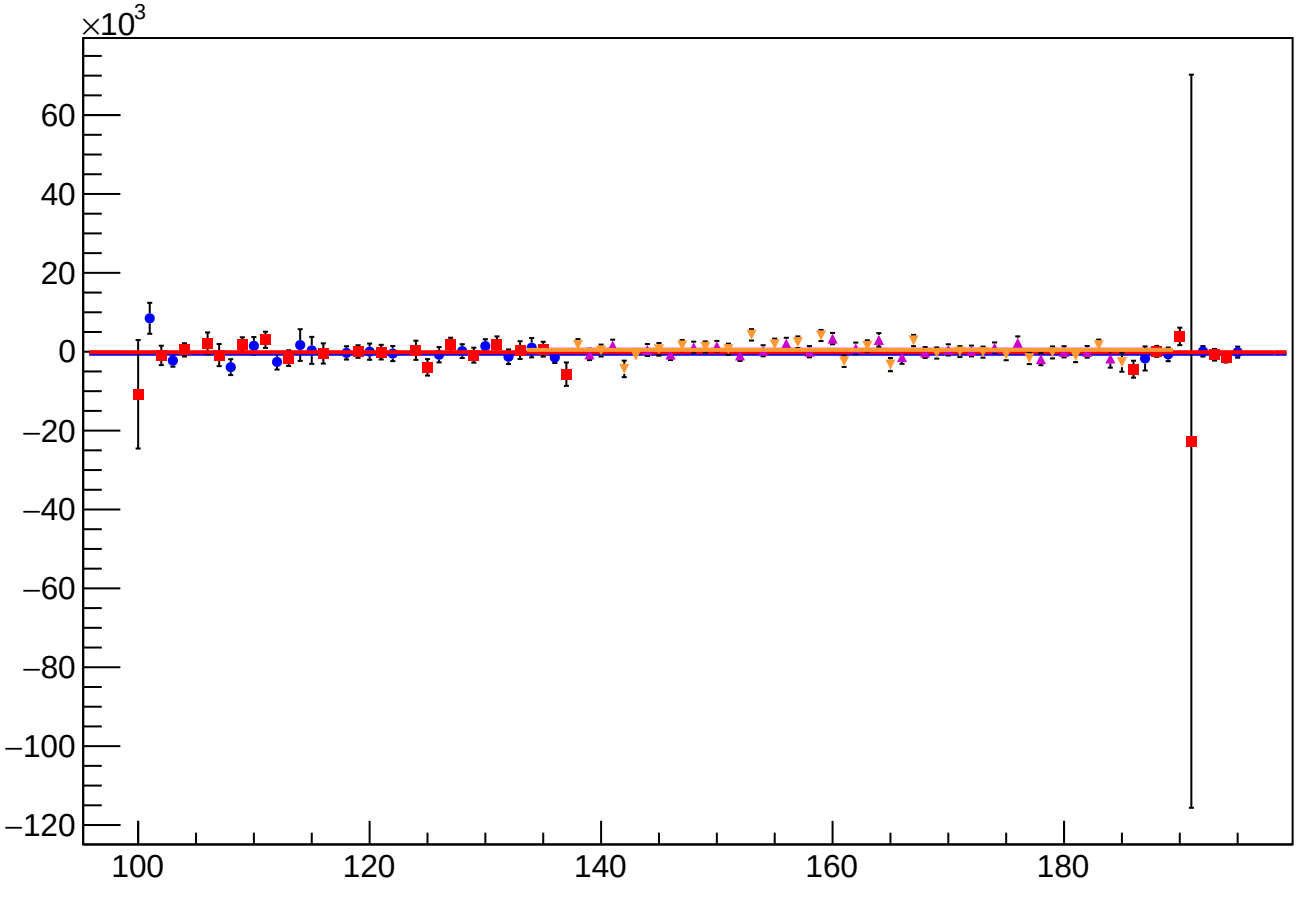
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123884.4/44

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



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: -122.727+/-402.102 χ^2/NDF: 23.5/24

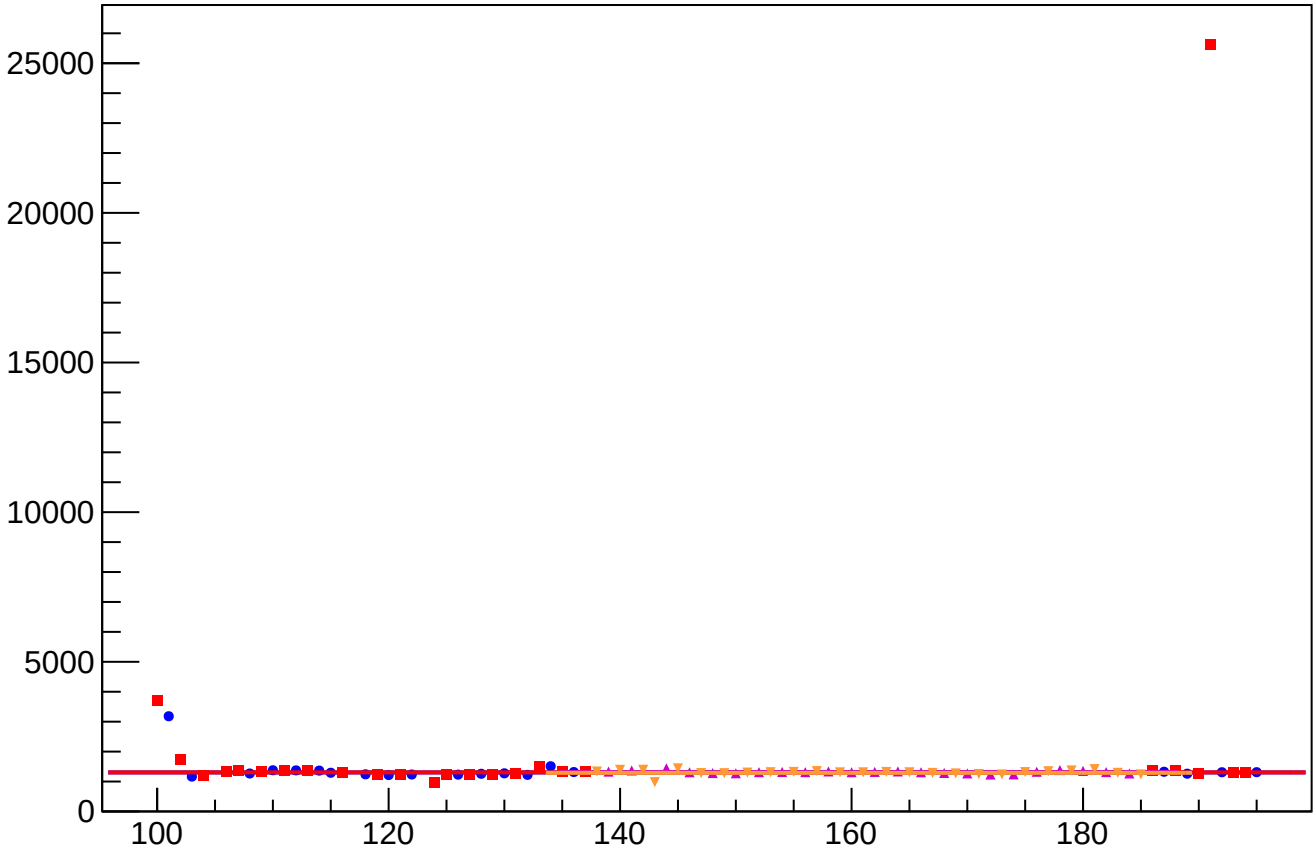
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 146.469+/-241.409 χ^2/NDF: 62.4/44

All: 208.987+/-171.624 χ^2/NDF: 104.9/92

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47

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

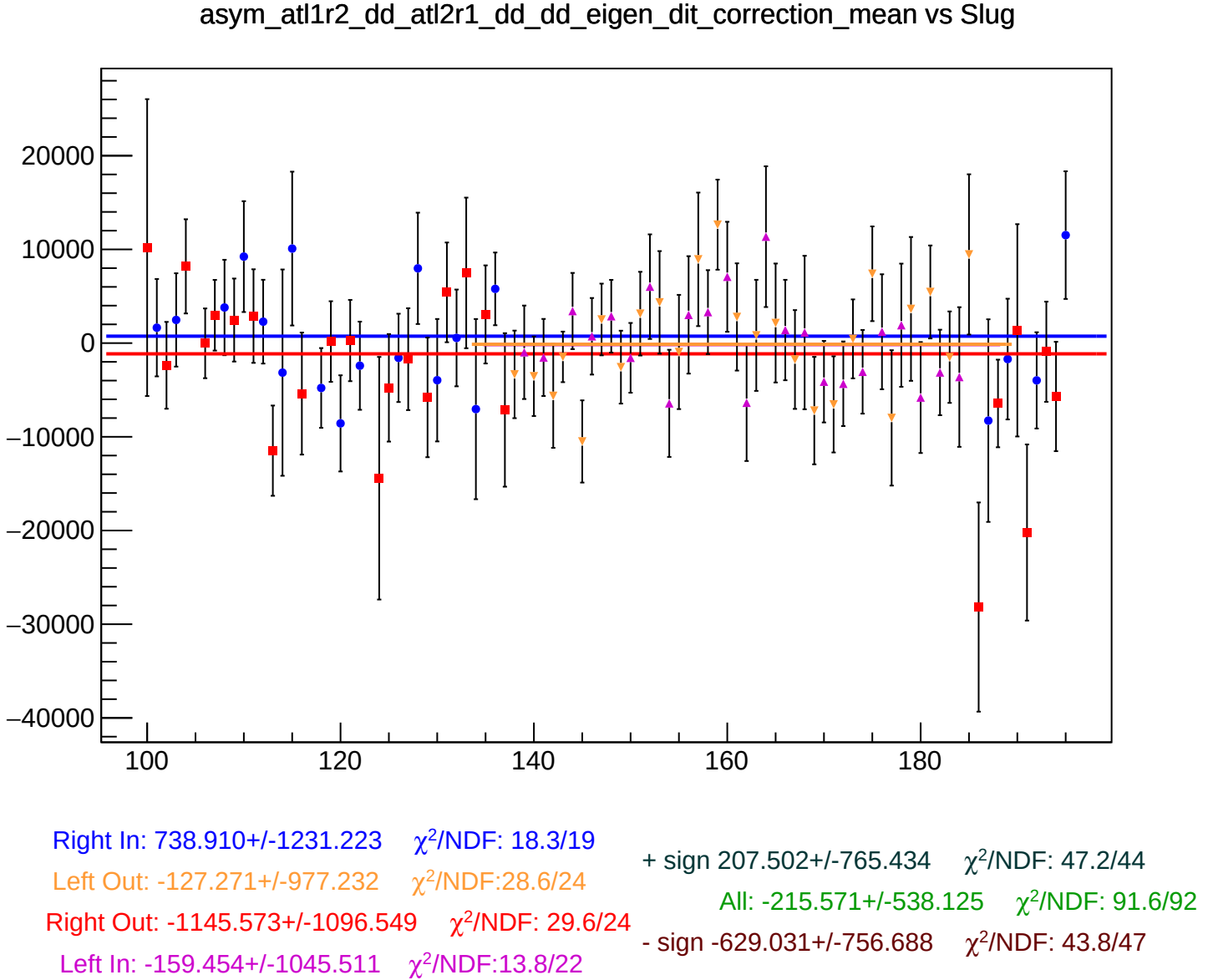
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

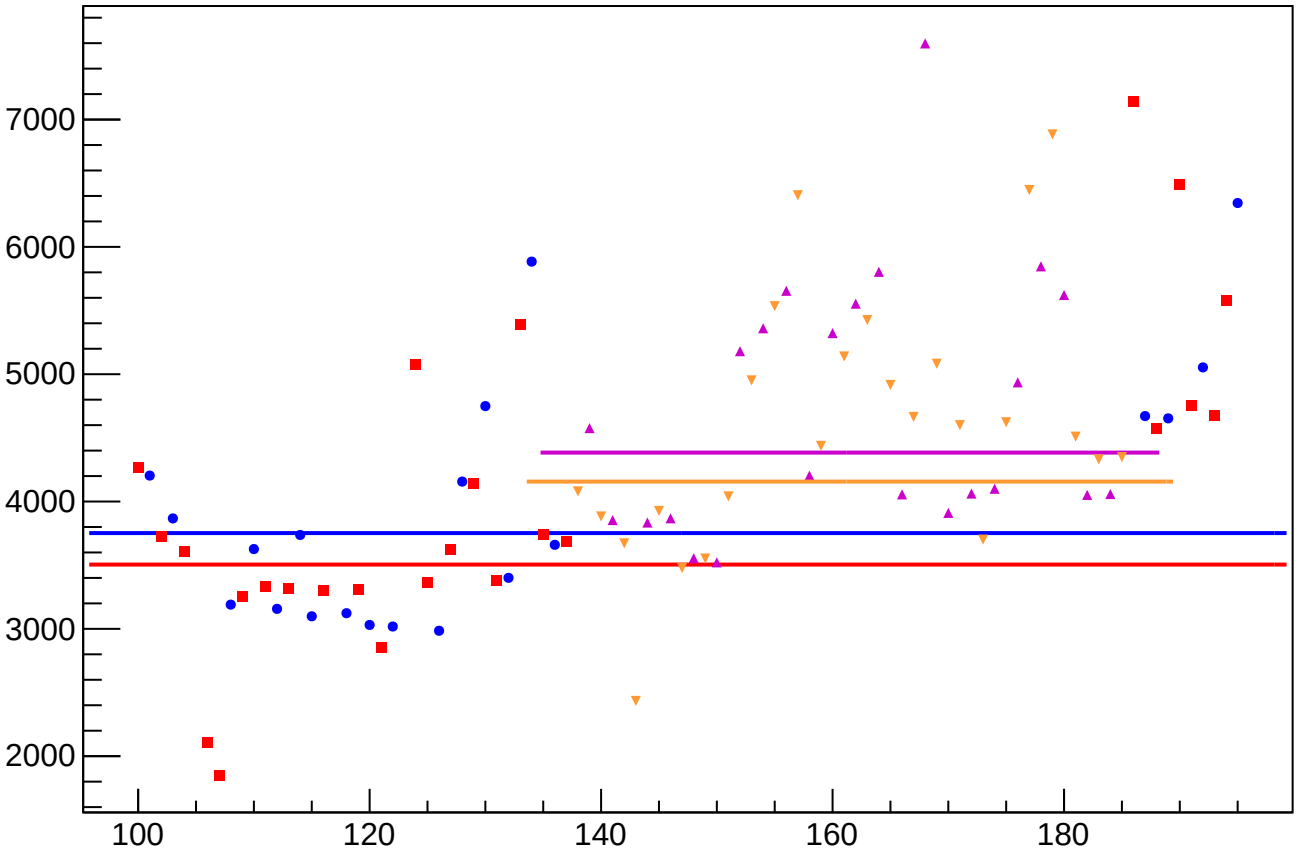
Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.212+/-0.171 χ^2/NDF: 743826.1/44

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 738.910+/-1231.223 χ²/NDF: 18.3/19
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -1145.573+/-1096.549 χ²/NDF: 29.6/24
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign 207.502+/-765.434 χ²/NDF: 47.2/44
All: -215.571+/-538.125 χ²/NDF: 91.6/92
- sign -629.031+/-756.688 χ²/NDF: 43.8/47



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: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

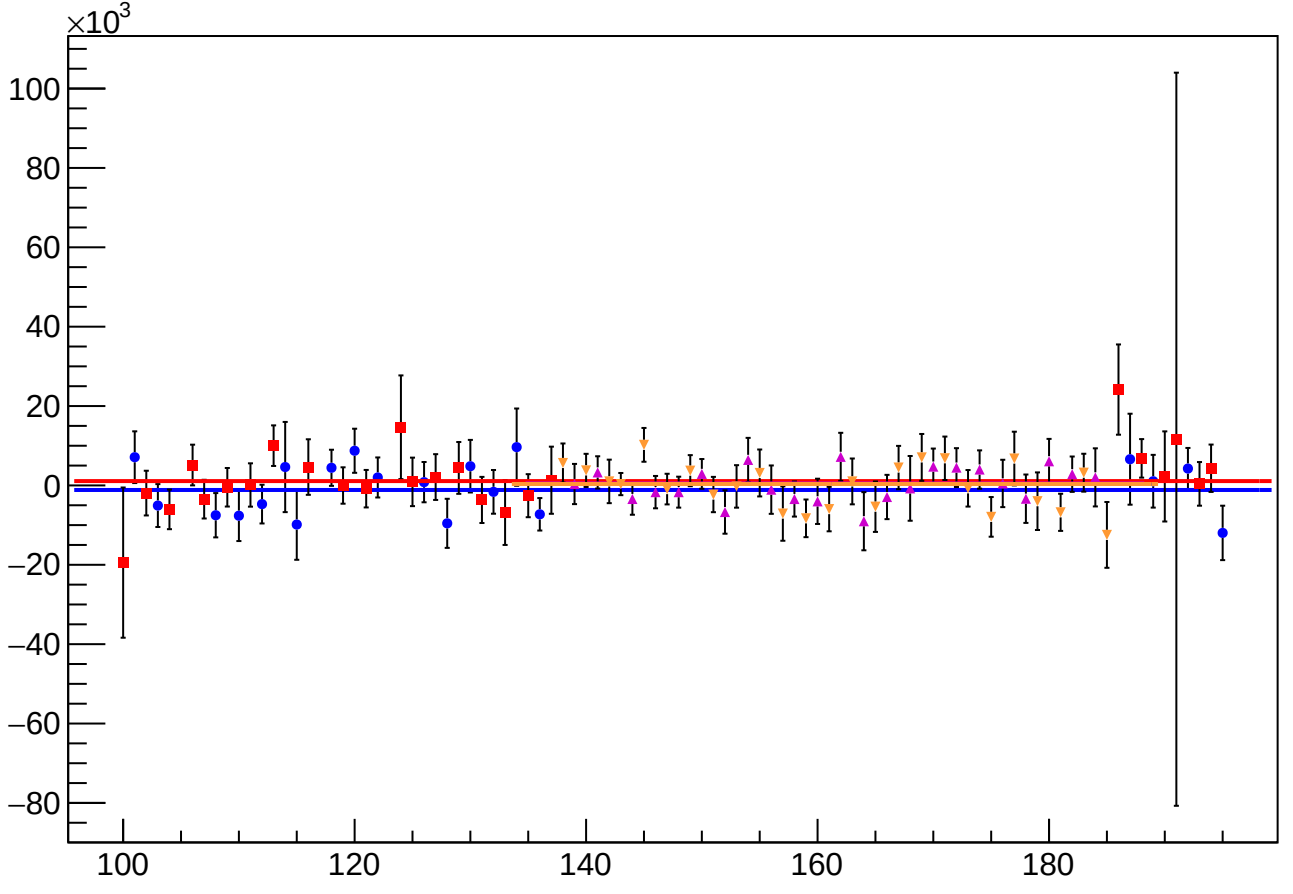
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4000.309+/-0.541 χ^2/NDF: 3123910.8/44

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92

- sign 3965.580+/-0.535 χ^2/NDF: 3676136.5/47

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: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

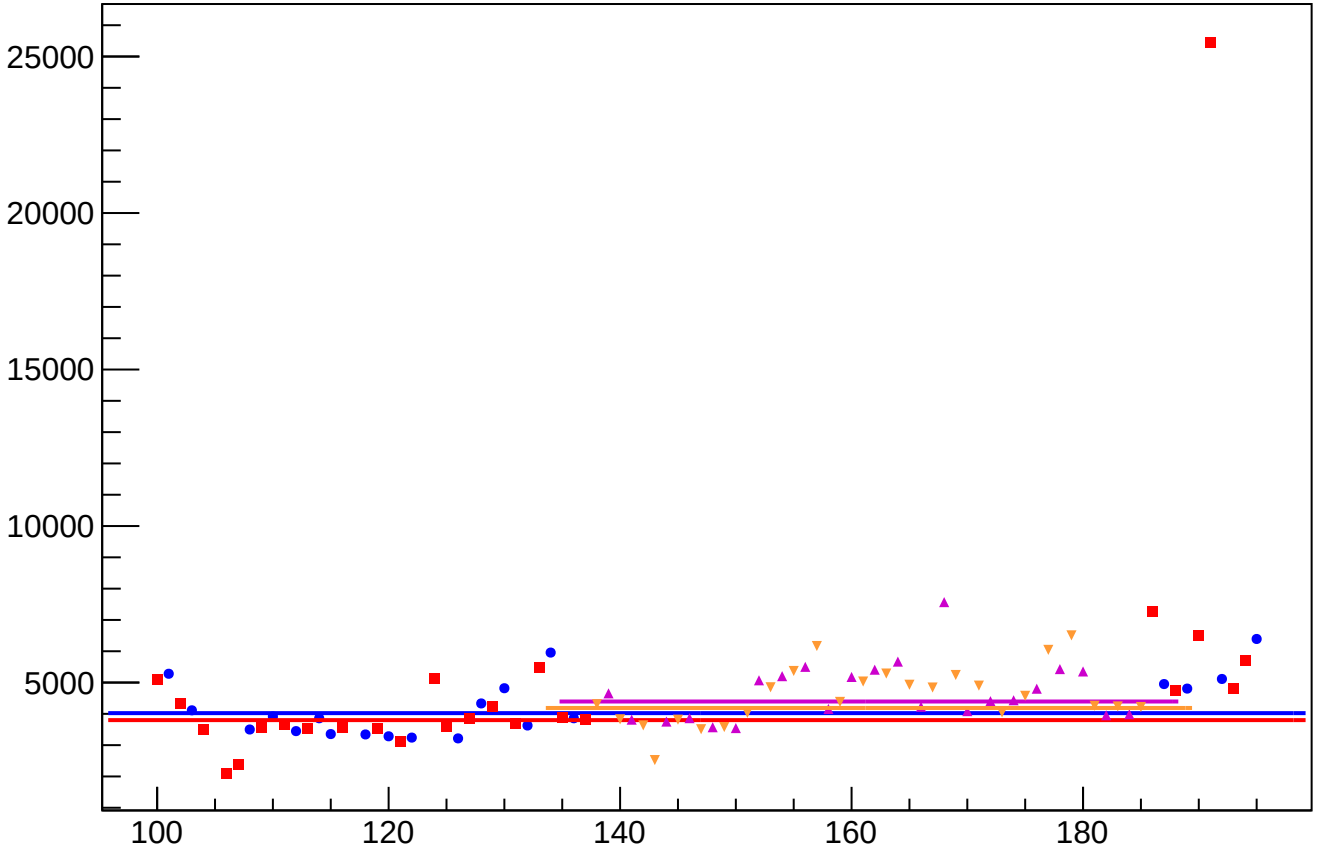
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -175.580+/-786.150 χ^2/NDF: 50.2/44

All: 284.393+/-557.828 χ^2/NDF: 82.9/92

- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

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

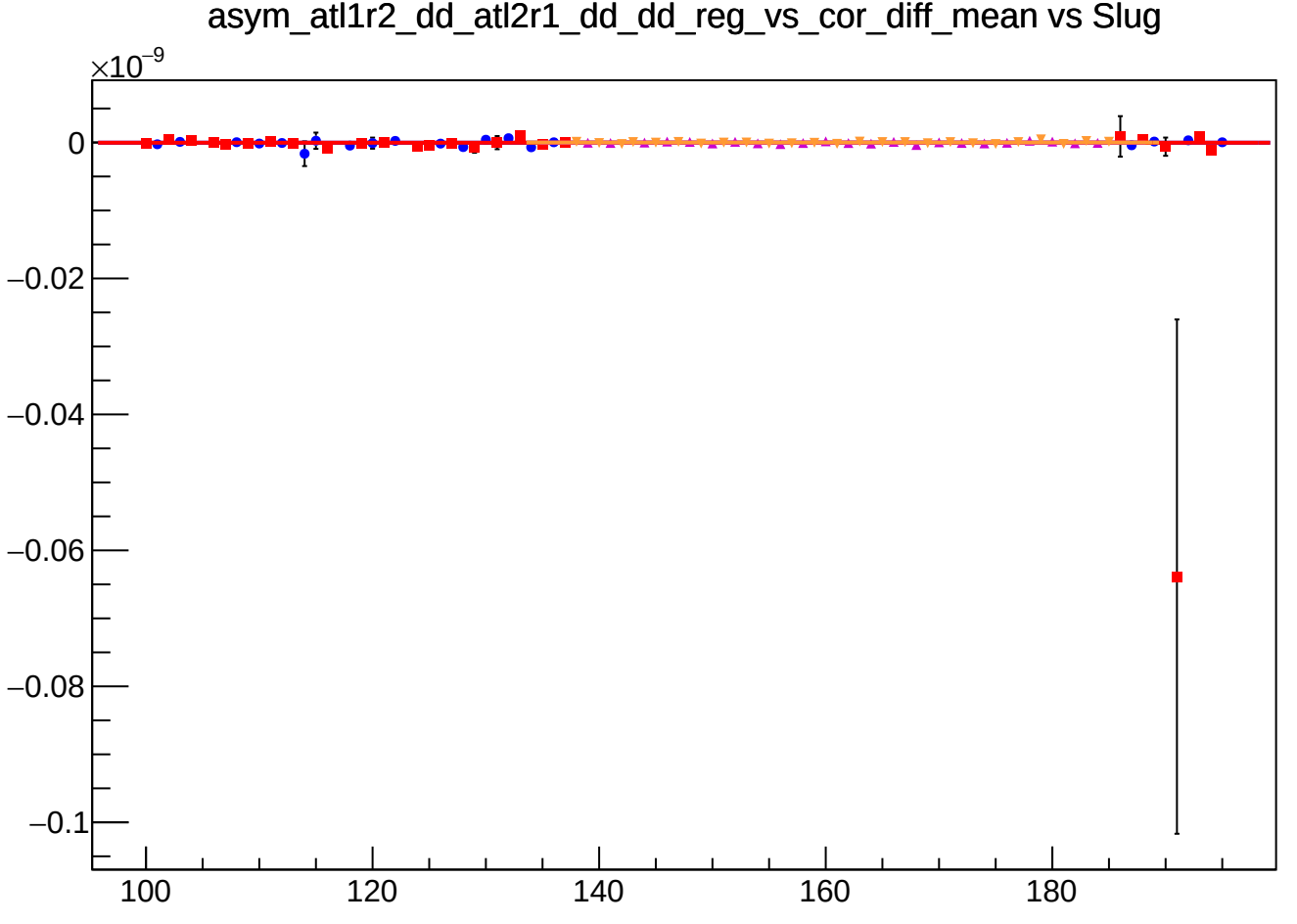
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4129.066+/-0.556 χ^2/NDF: 2622541.5/44

All: 4133.455+/-0.393 χ^2/NDF: 5451162.6/92

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

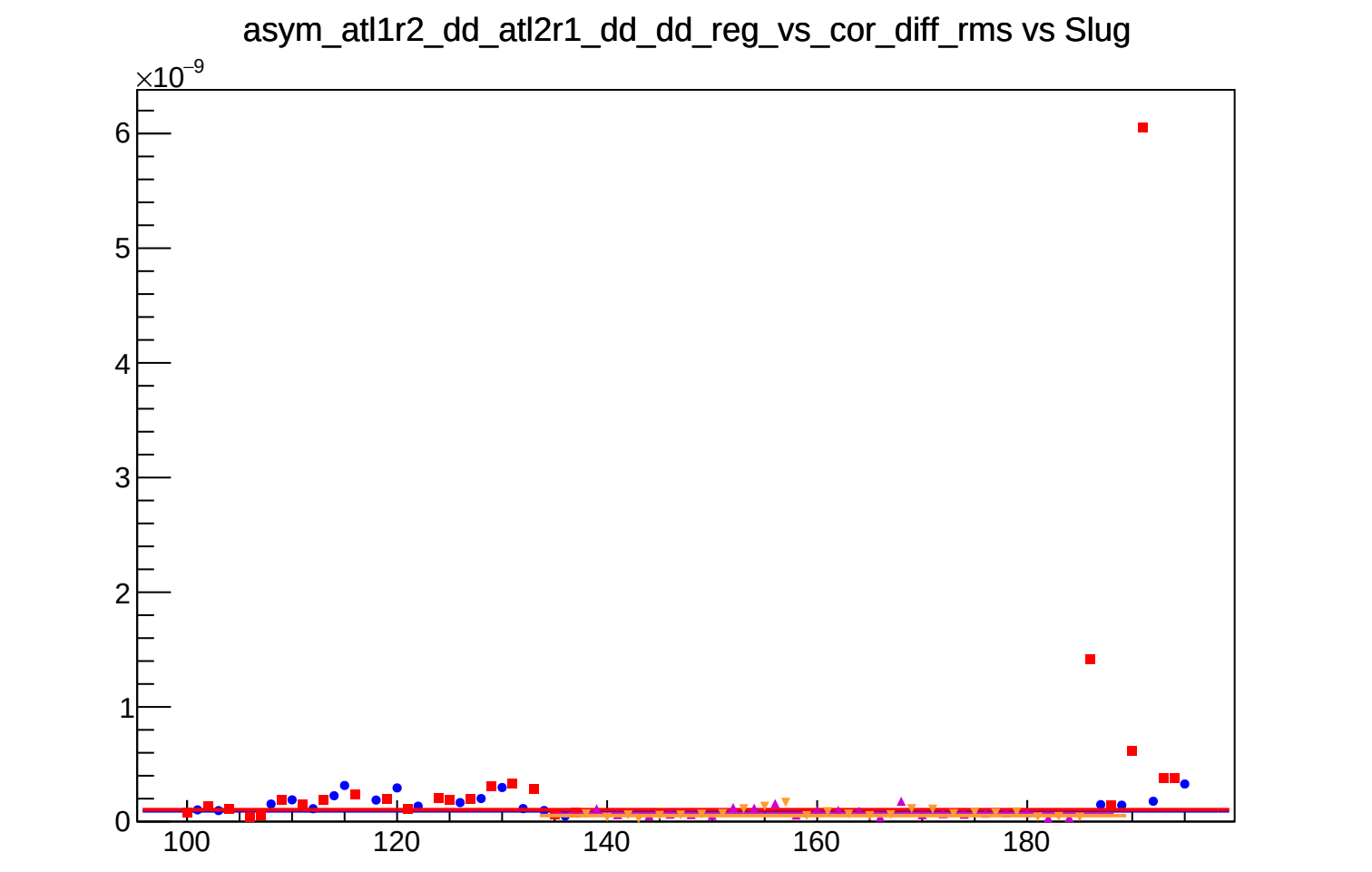
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

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: 91.8/92

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1819721.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

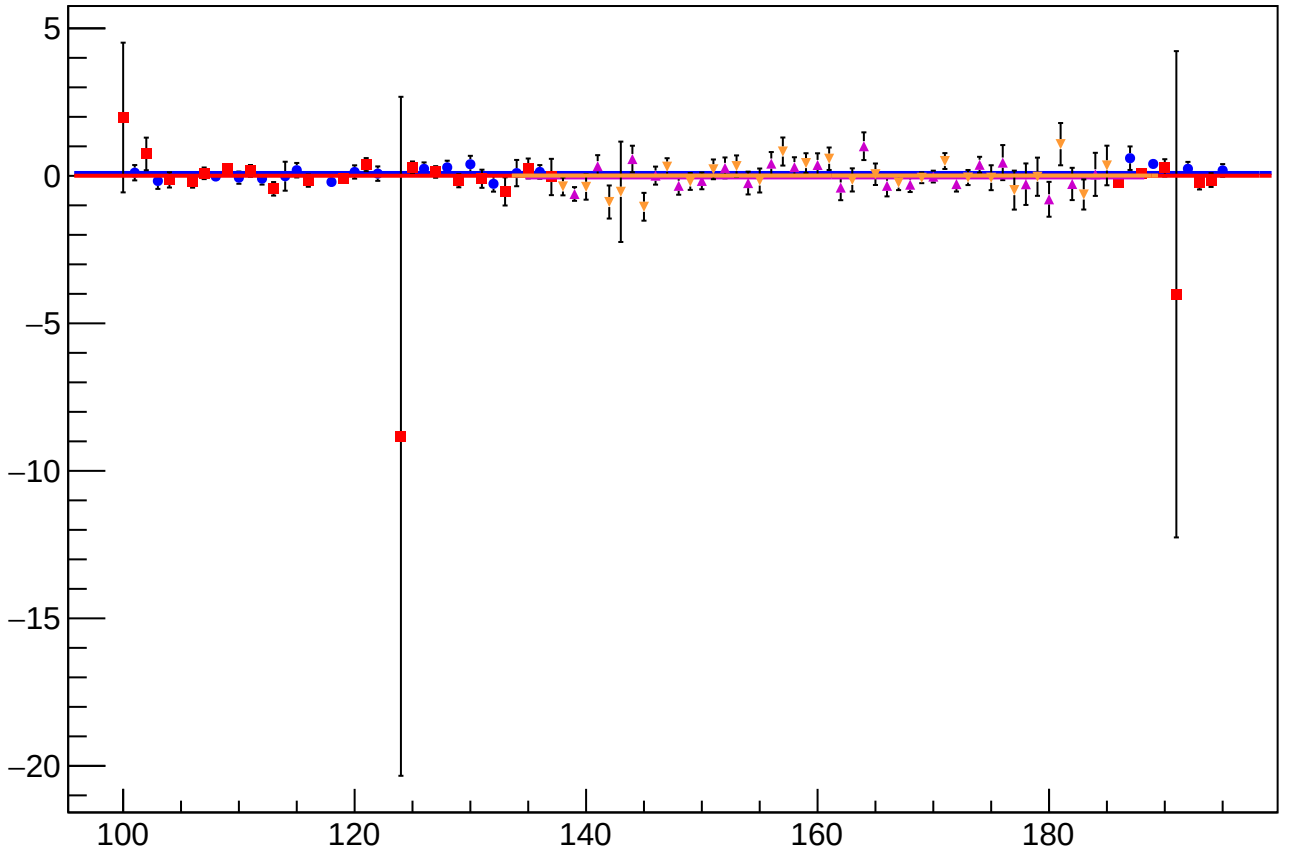
Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

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: 11361907.2/92

- sign 0.000+/-0.000 χ^2/NDF: 5734792.1/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

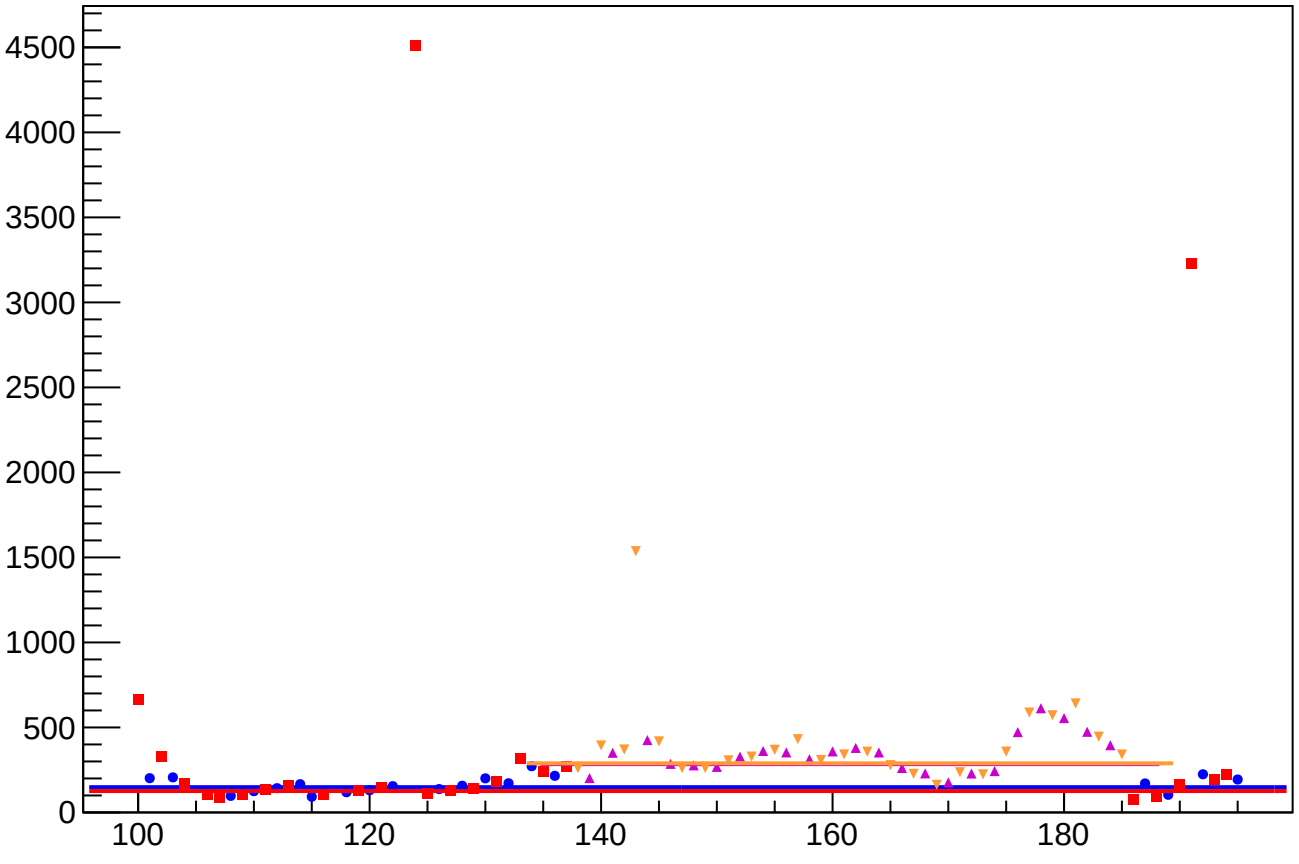
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

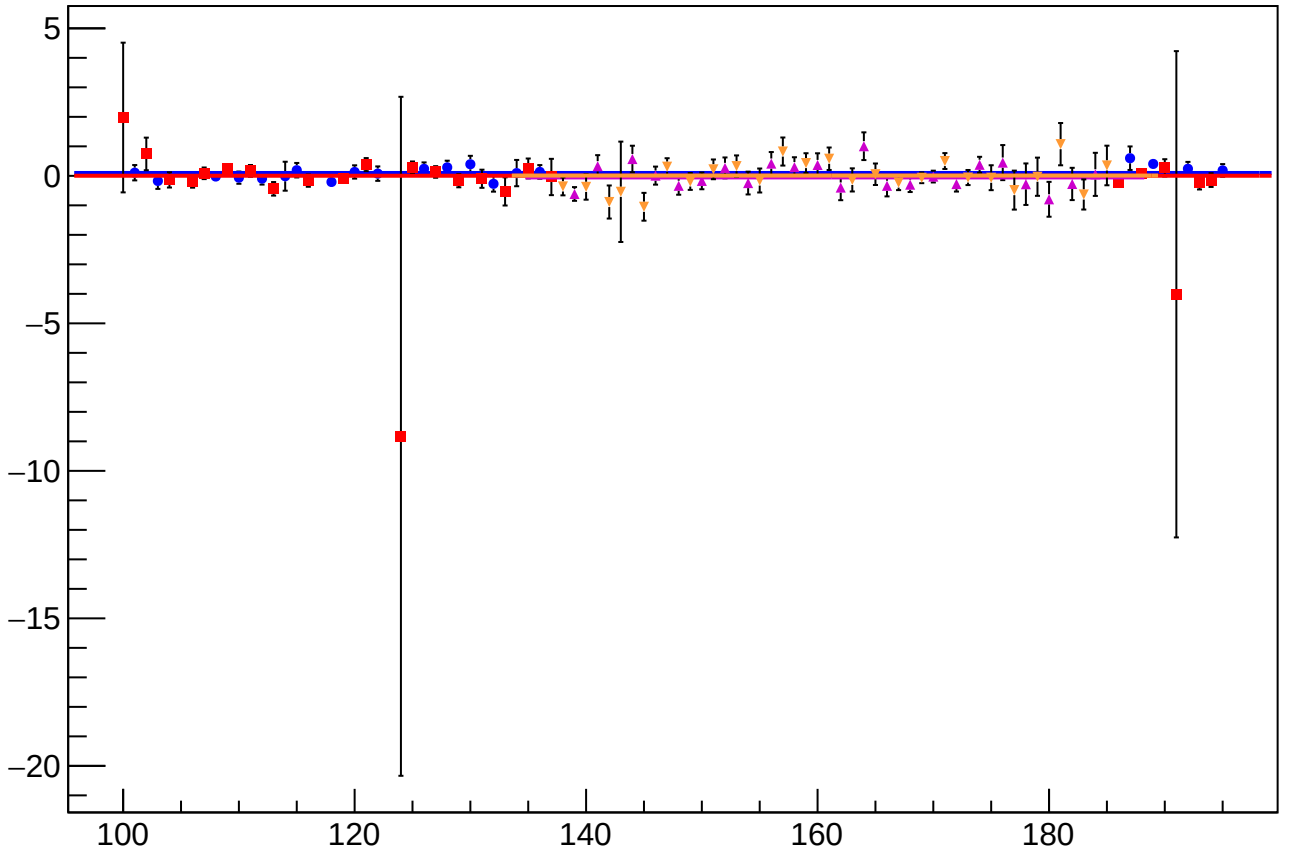
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

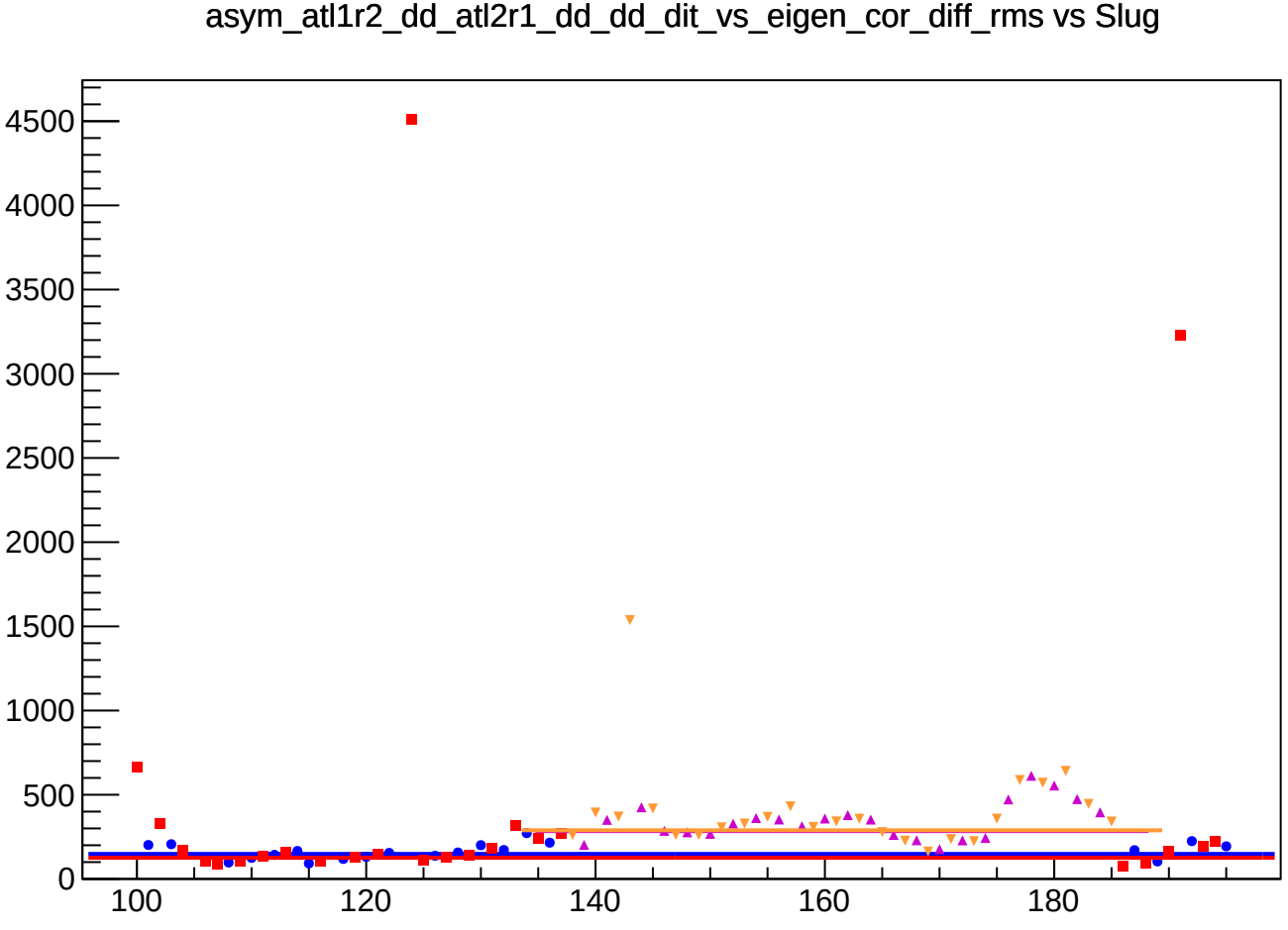
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

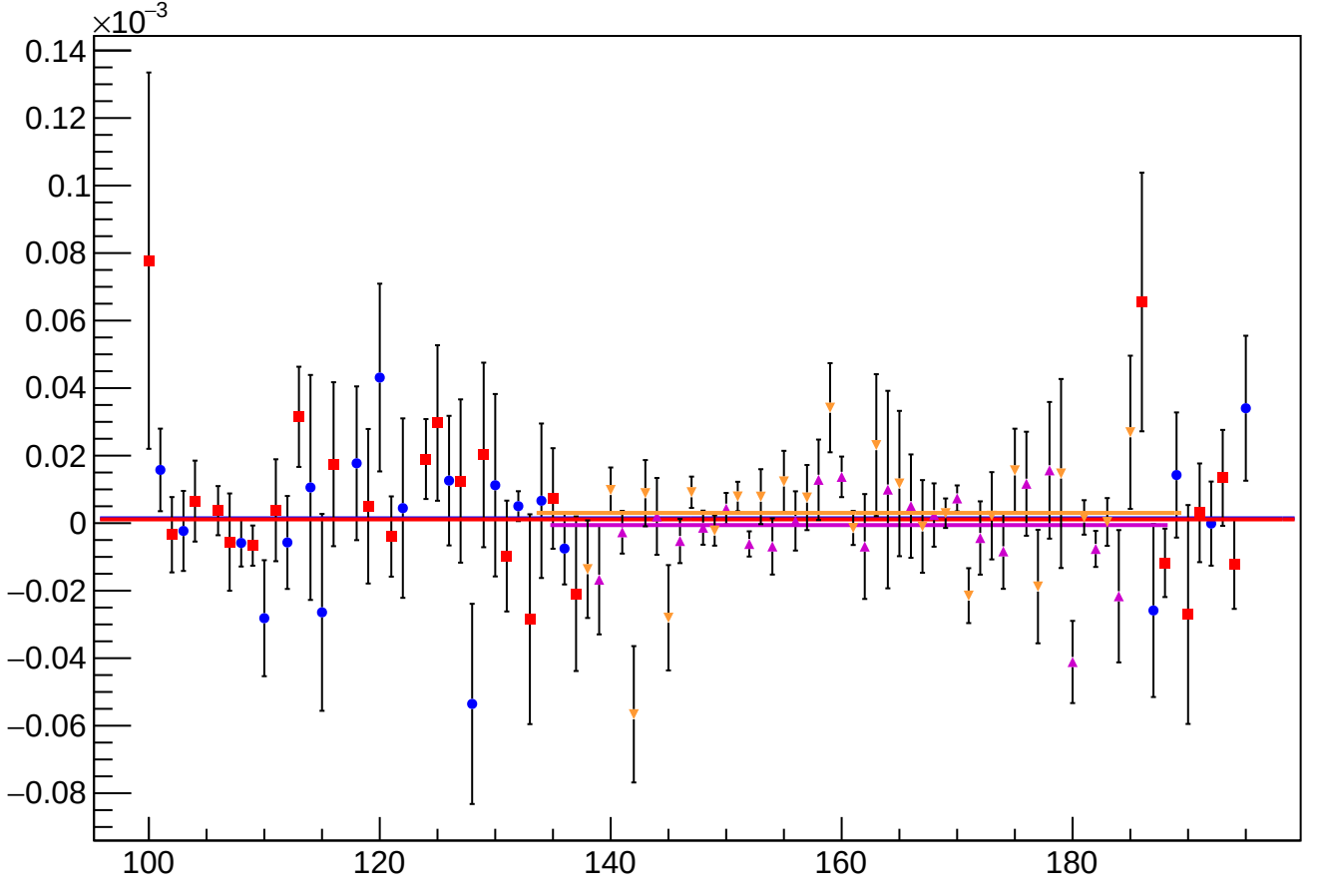
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.939+/-0.029 χ^2/NDF: 11299020.9/44

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

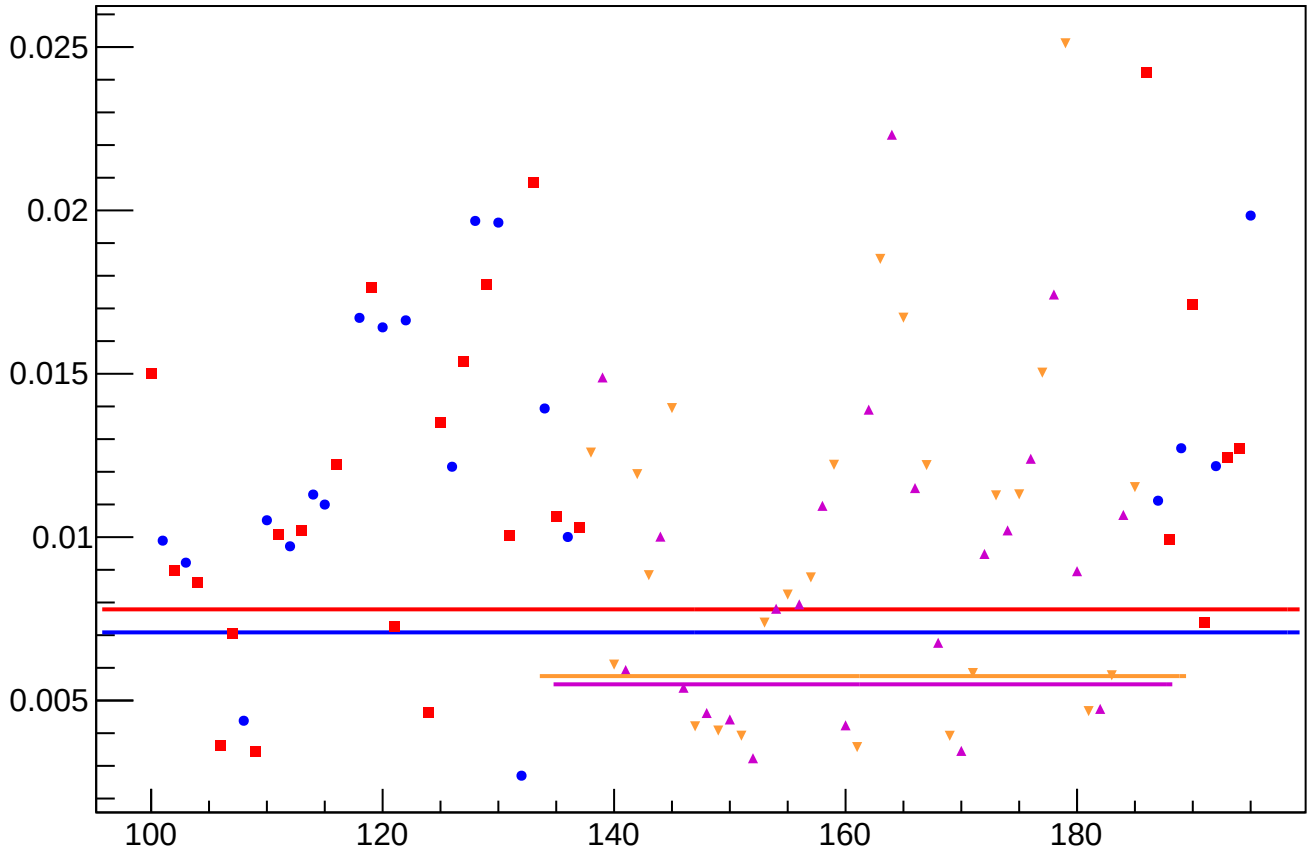
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

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: 120.2/92

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

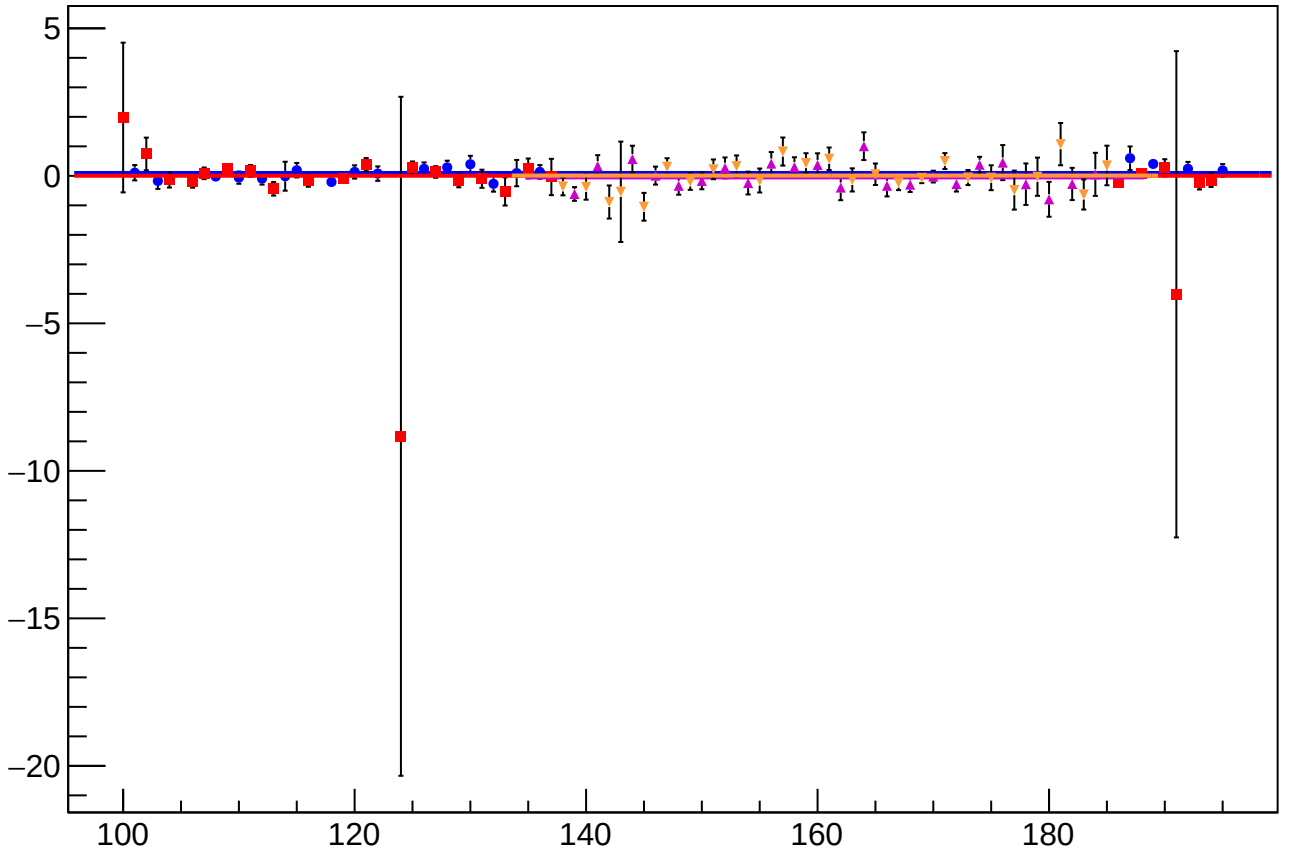
Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

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: 27220884.6/92

\- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

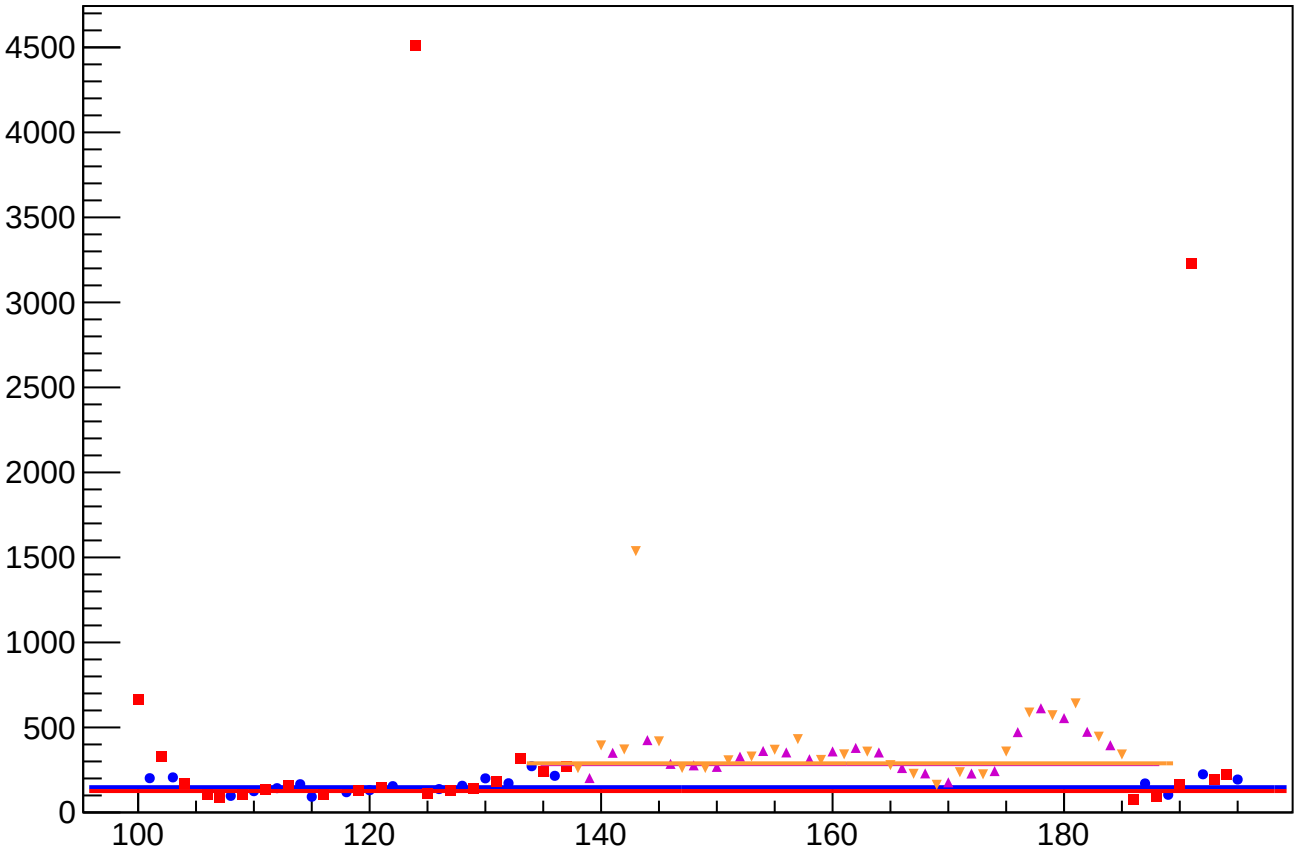
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



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: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

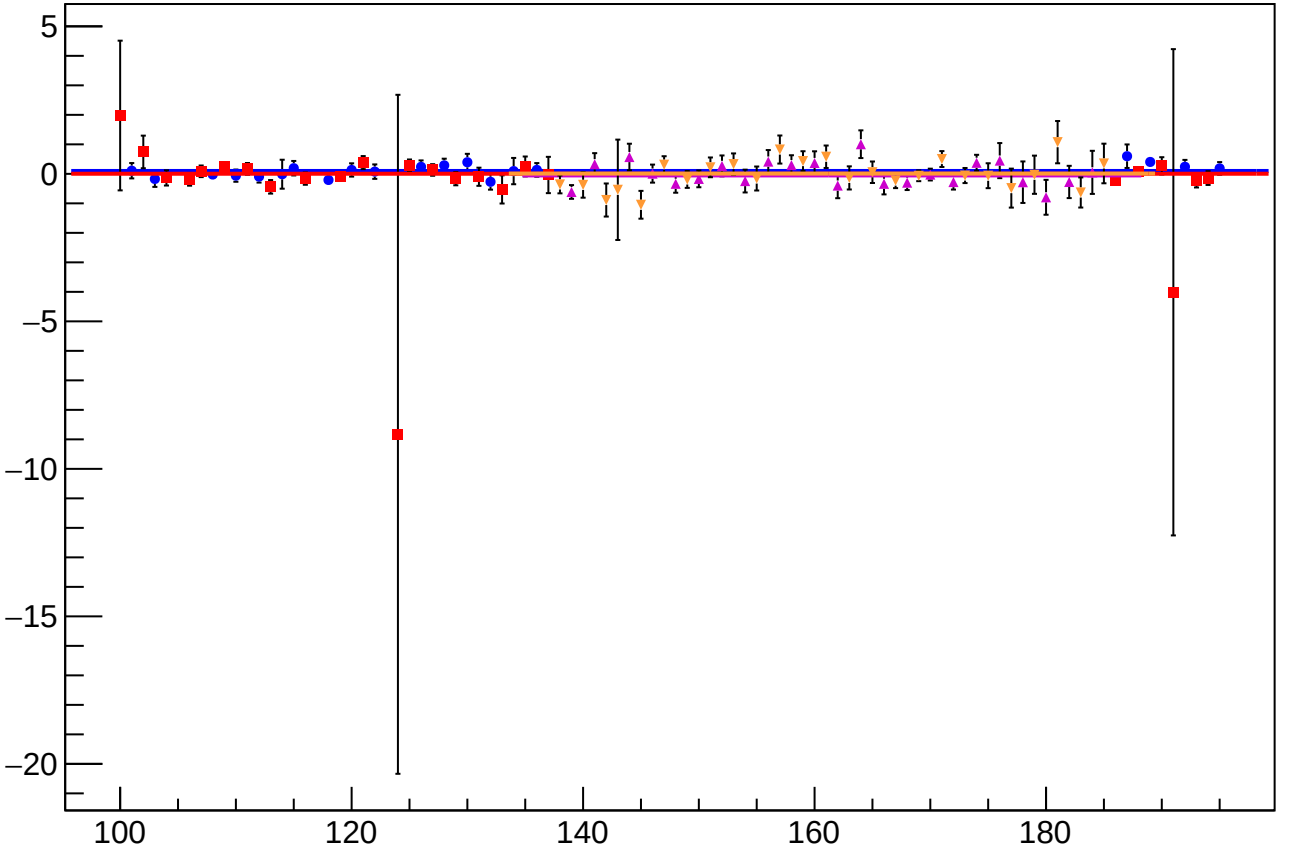
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.938+/-0.029 χ^2/NDF: 11299227.7/44

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47

asym_atl1r2_dd_atl2r1_dd_dd_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

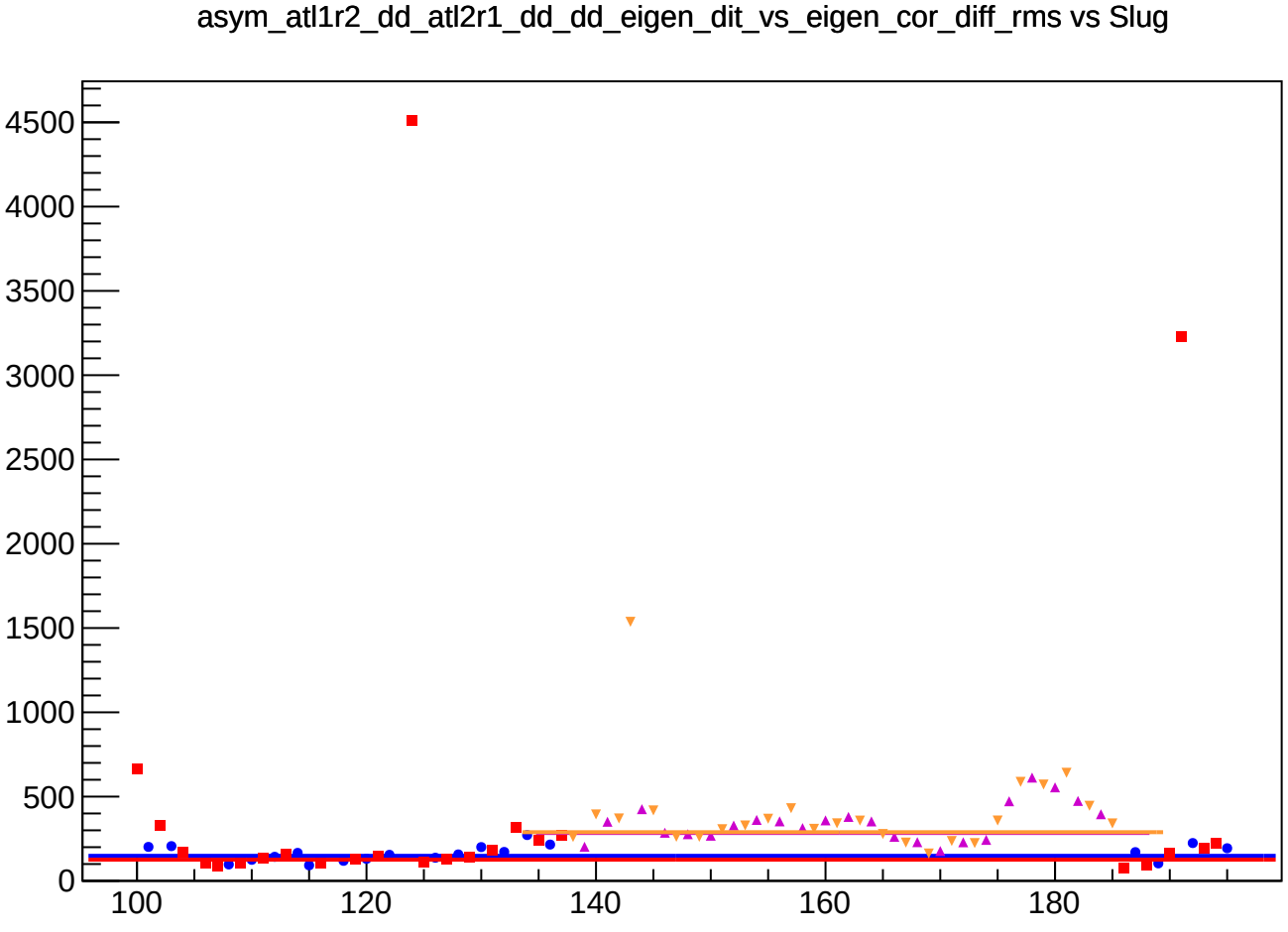
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

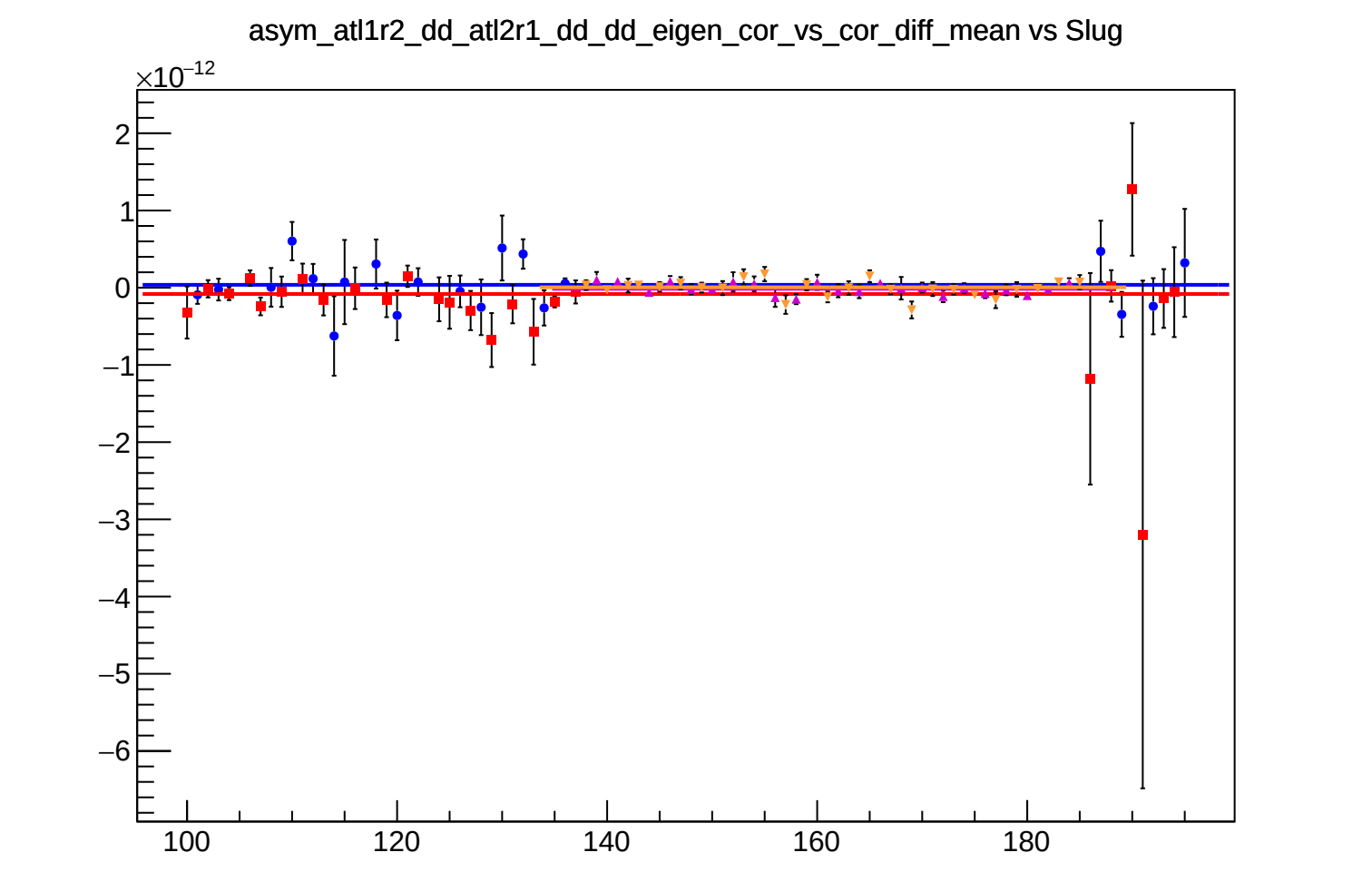
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.068+/-0.041 χ^2/NDF: 47.0/44

All: 0.023+/-0.027 χ^2/NDF: 104.8/92

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 148.685+/-0.036 χ²/NDF: 1480056.0/19
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 125.883+/-0.030 χ²/NDF: 3040972.0/24
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 195.938+/-0.029 χ²/NDF: 11299227.7/44
All: 180.557+/-0.019 χ²/NDF: 25303134.2/92
- sign 168.483+/-0.026 χ²/NDF: 13506945.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

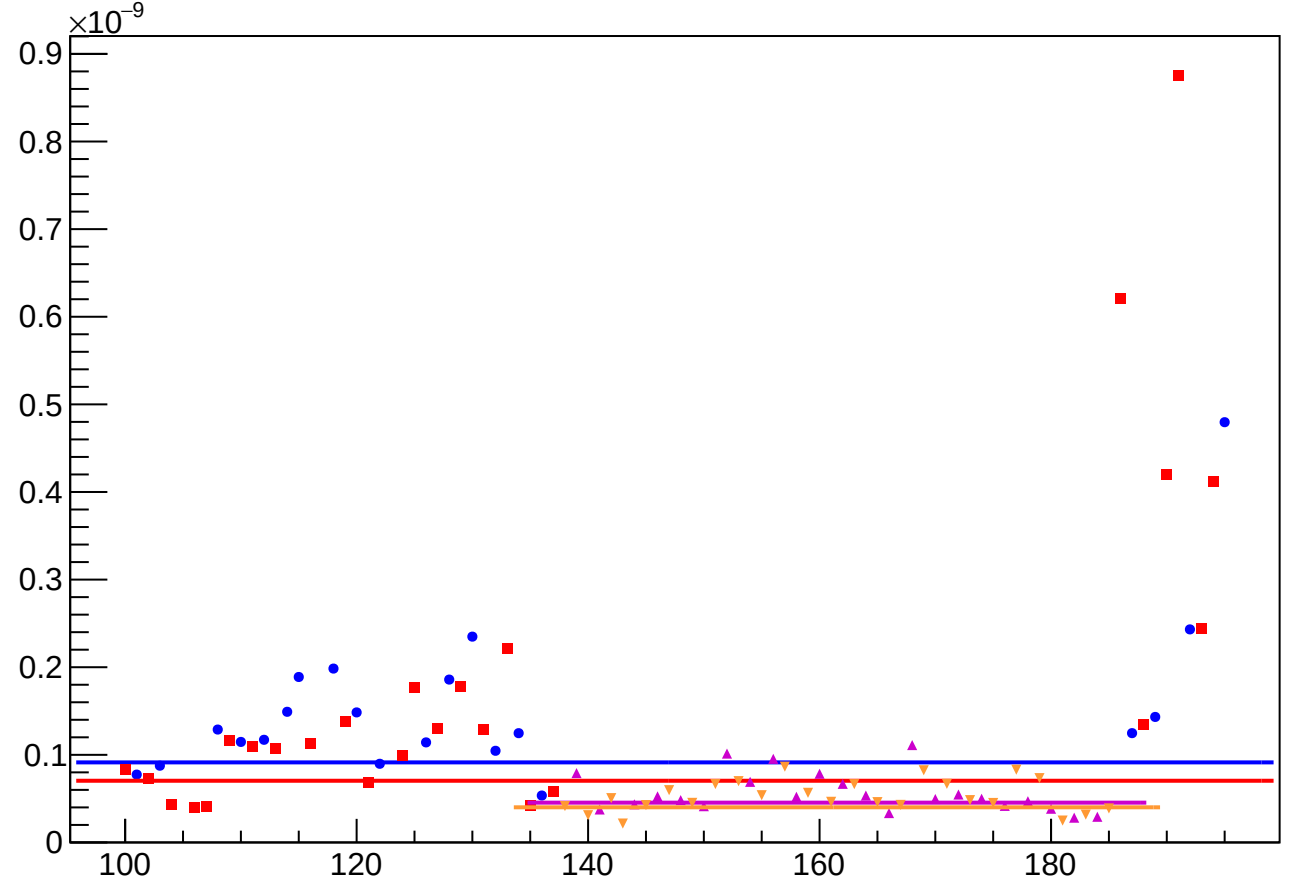
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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: 110.0/92

- sign -0.000+/-0.000 χ^2/NDF: 49.2/47



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: 4282007.7/24

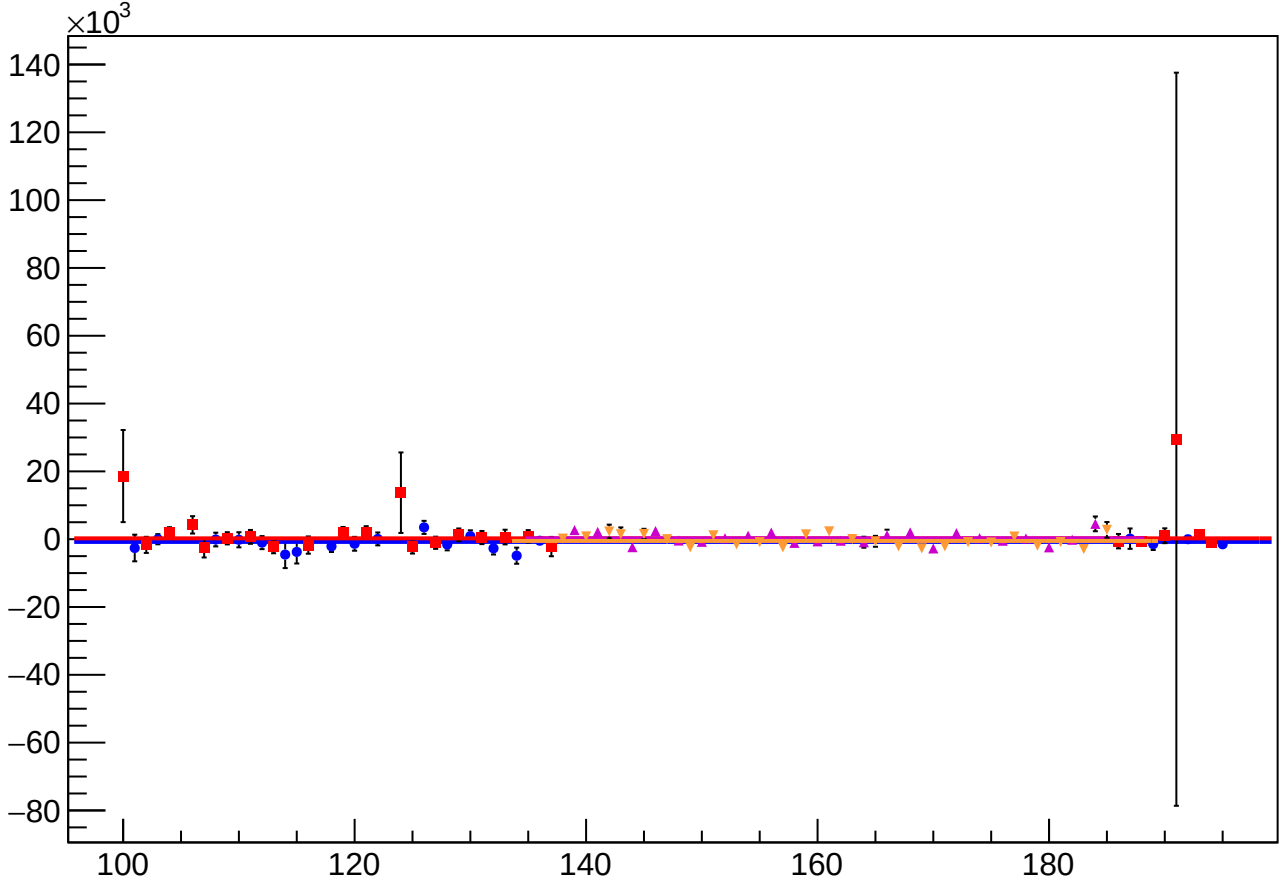
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9030177.6/44

All: 0.000+/-0.000 χ^2/NDF: 17199676.8/92

- sign 0.000+/-0.000 χ^2/NDF: 8016263.0/47

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: 247.383+/-400.655 χ^2/NDF: 17.8/24

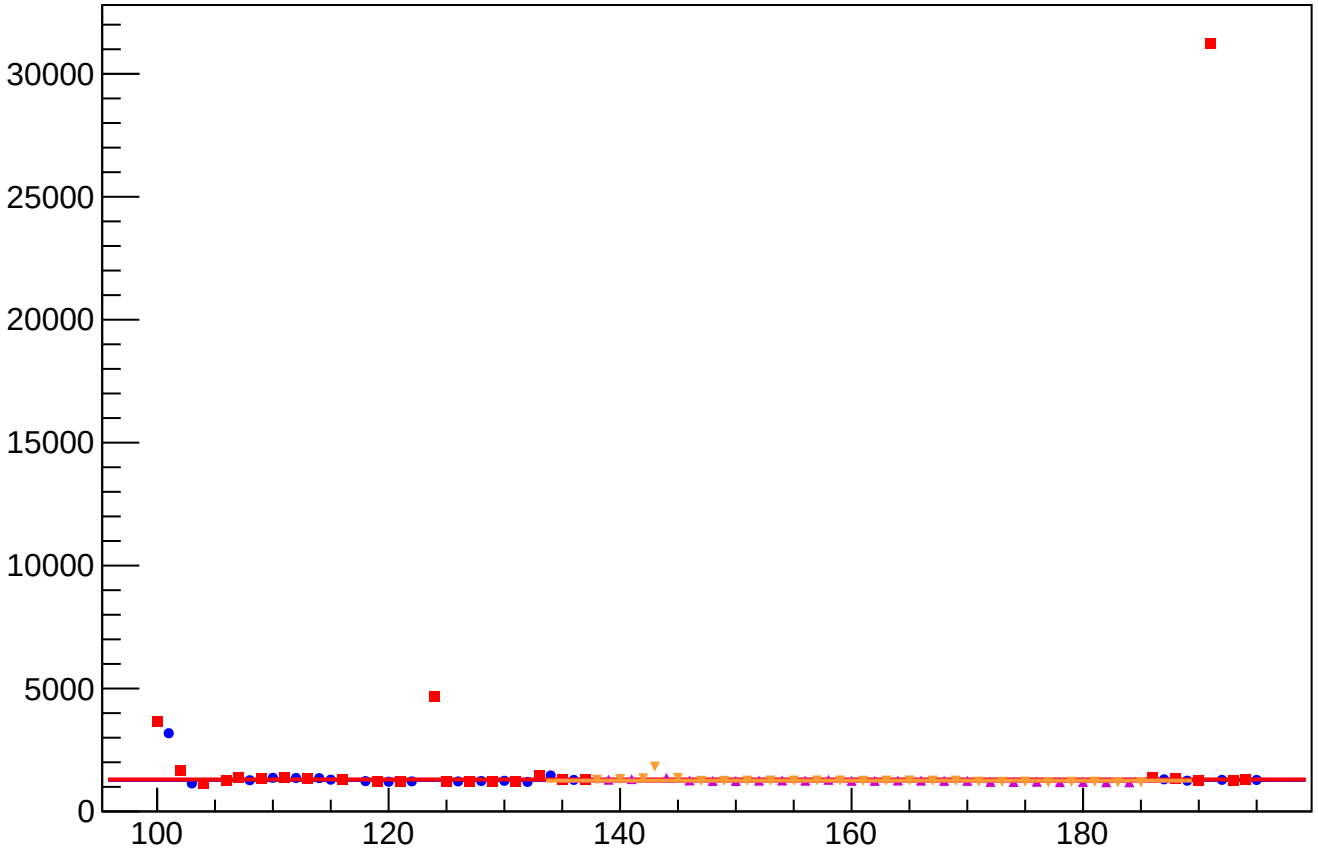
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -607.121+/-235.634 χ^2/NDF: 45.5/44

All: -181.232+/-166.584 χ^2/NDF: 101.9/92

- sign 244.309+/-235.538 χ^2/NDF: 49.8/47

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

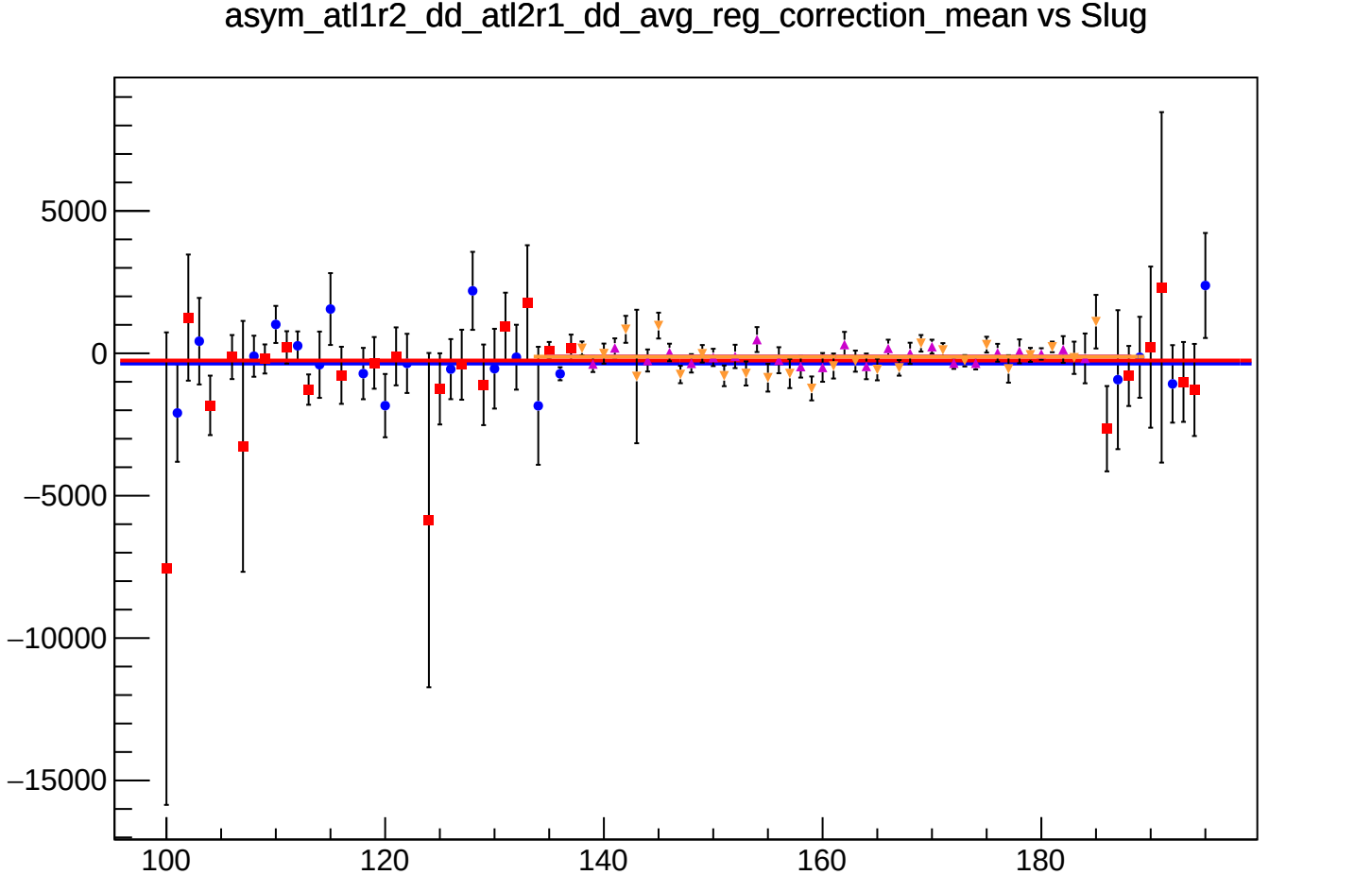
Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.646+/-0.167 χ^2/NDF: 728443.7/44

All: 1264.630+/-0.118 χ^2/NDF: 1280316.4/92

\- sign 1264.613+/-0.167 χ^2/NDF: 551872.7/47



Right In: -359.992+/-164.751 χ^2/NDF: 20.7/19

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

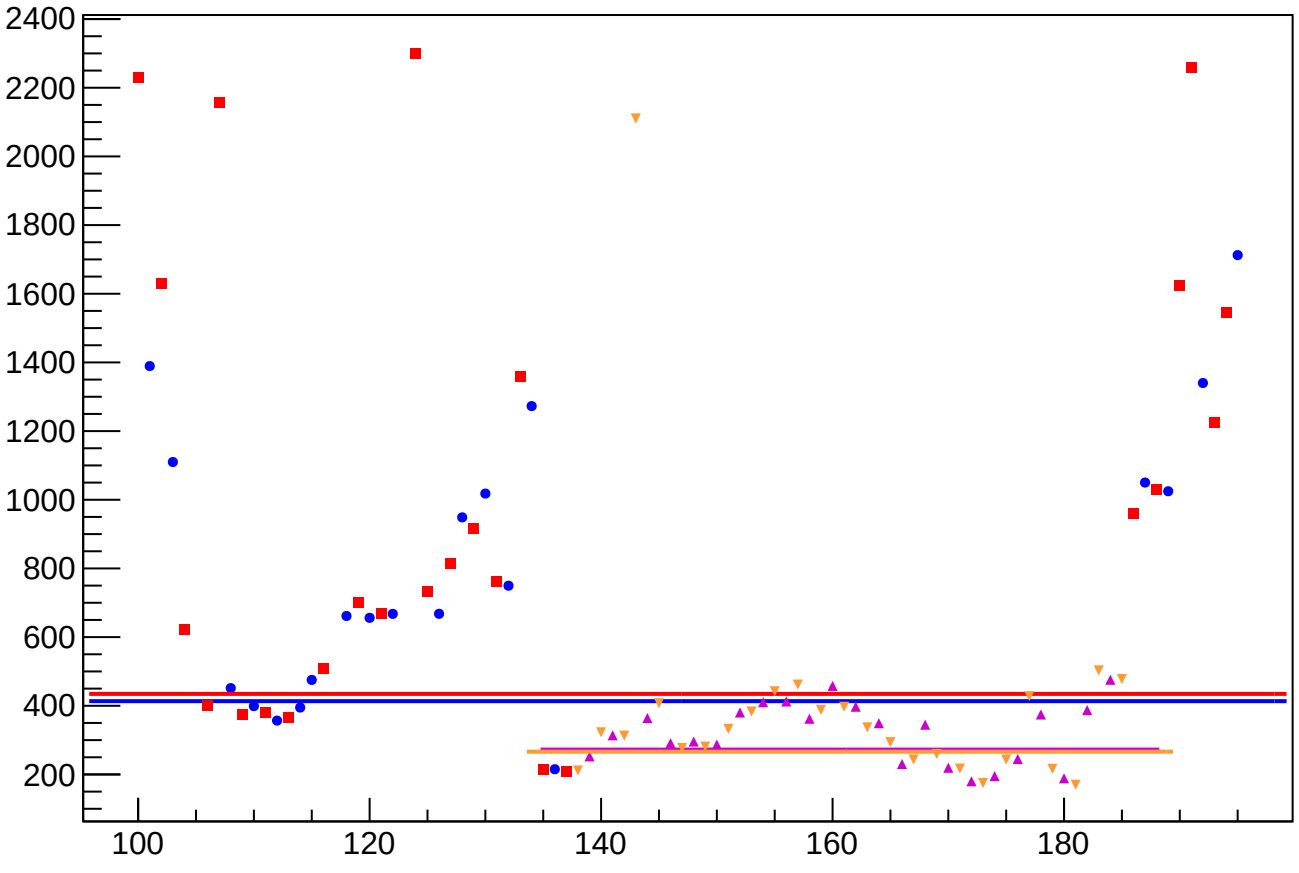
Right Out: -252.395+/-164.040 χ^2/NDF: 18.5/24

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -149.805+/-60.512 χ^2/NDF: 71.0/44

All: -139.211+/-43.314 χ^2/NDF: 104.0/92

- sign -128.080+/-62.027 χ^2/NDF: 32.9/47



Right In: 413.440+/-0.116 χ^2/NDF: 6710494.9/19

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

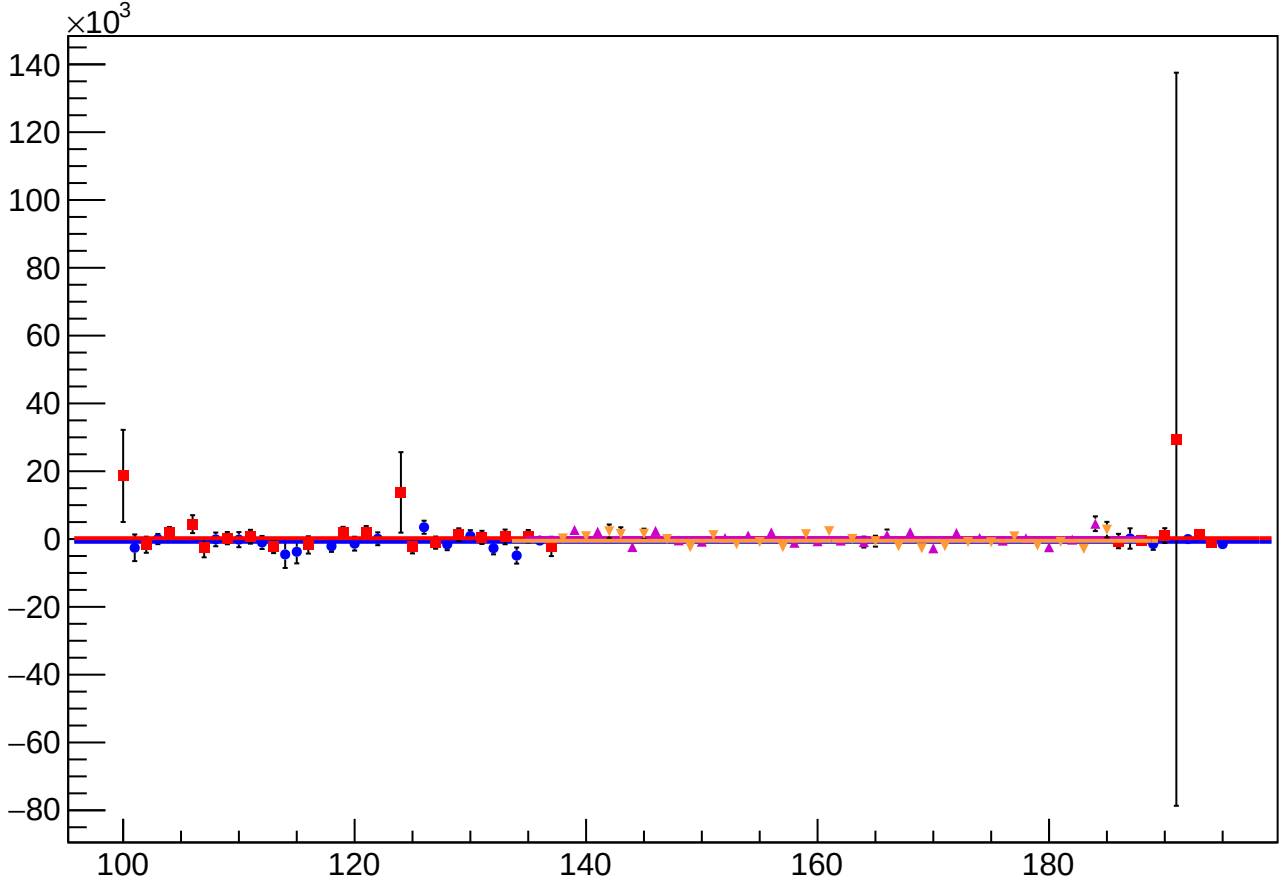
Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 286.168+/-0.043 χ^2/NDF: 12720303.0/44

All: 290.752+/-0.031 χ^2/NDF: 24540916.1/92

- sign 295.568+/-0.044 χ^2/NDF: 11797075.8/47



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: 245.473+/-400.948 χ^2/NDF: 17.9/24

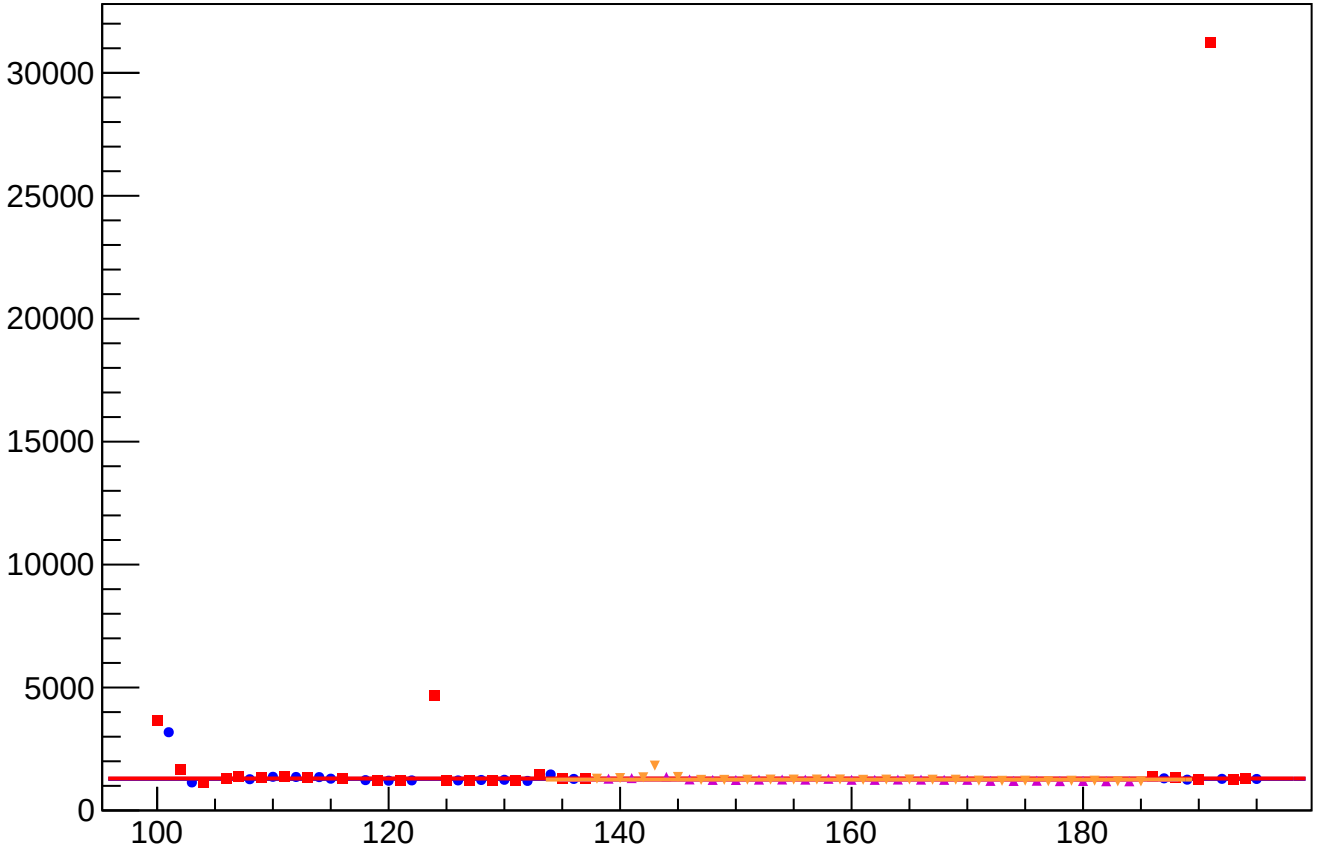
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -181.620+/-166.605 χ^2/NDF: 102.0/92

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

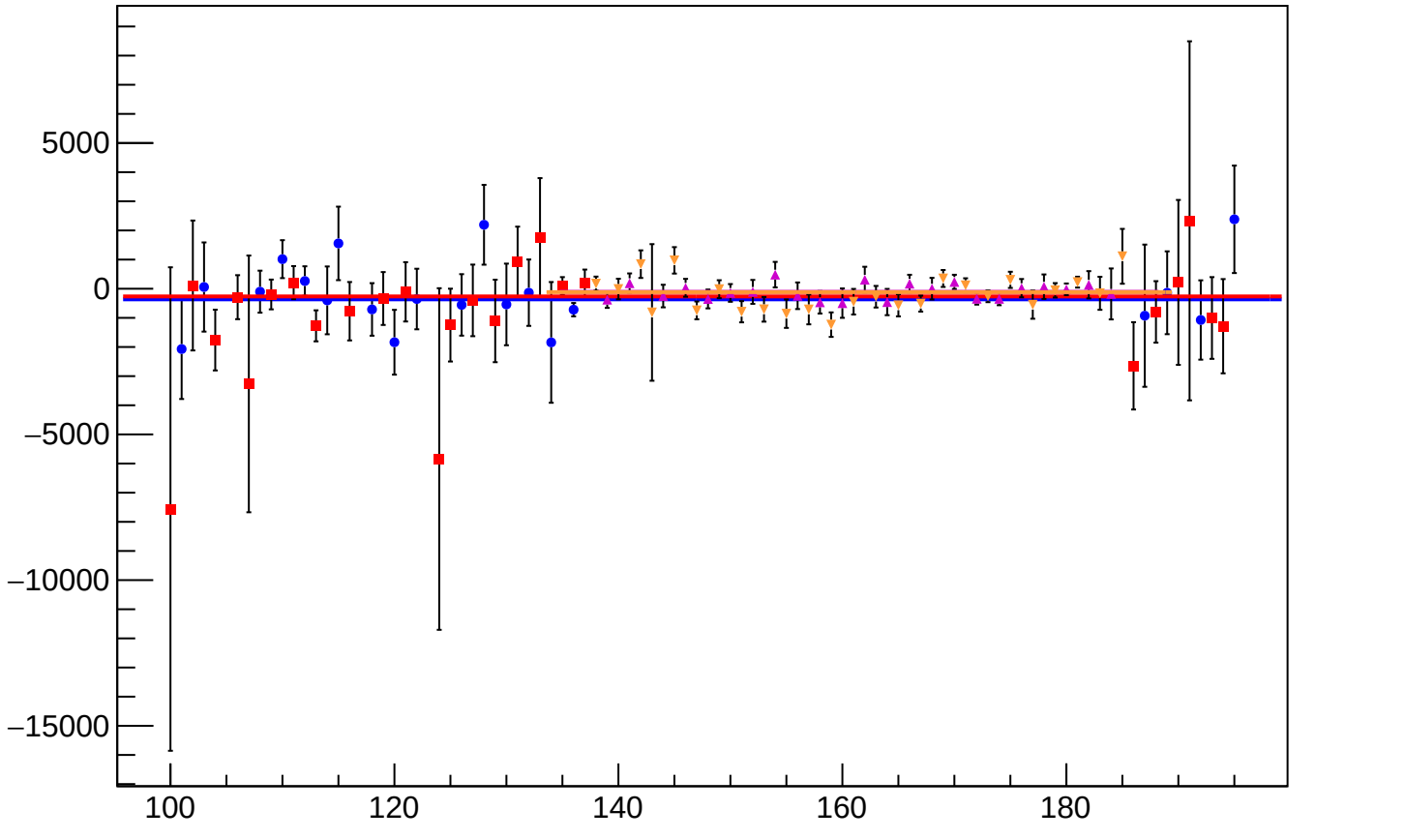
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

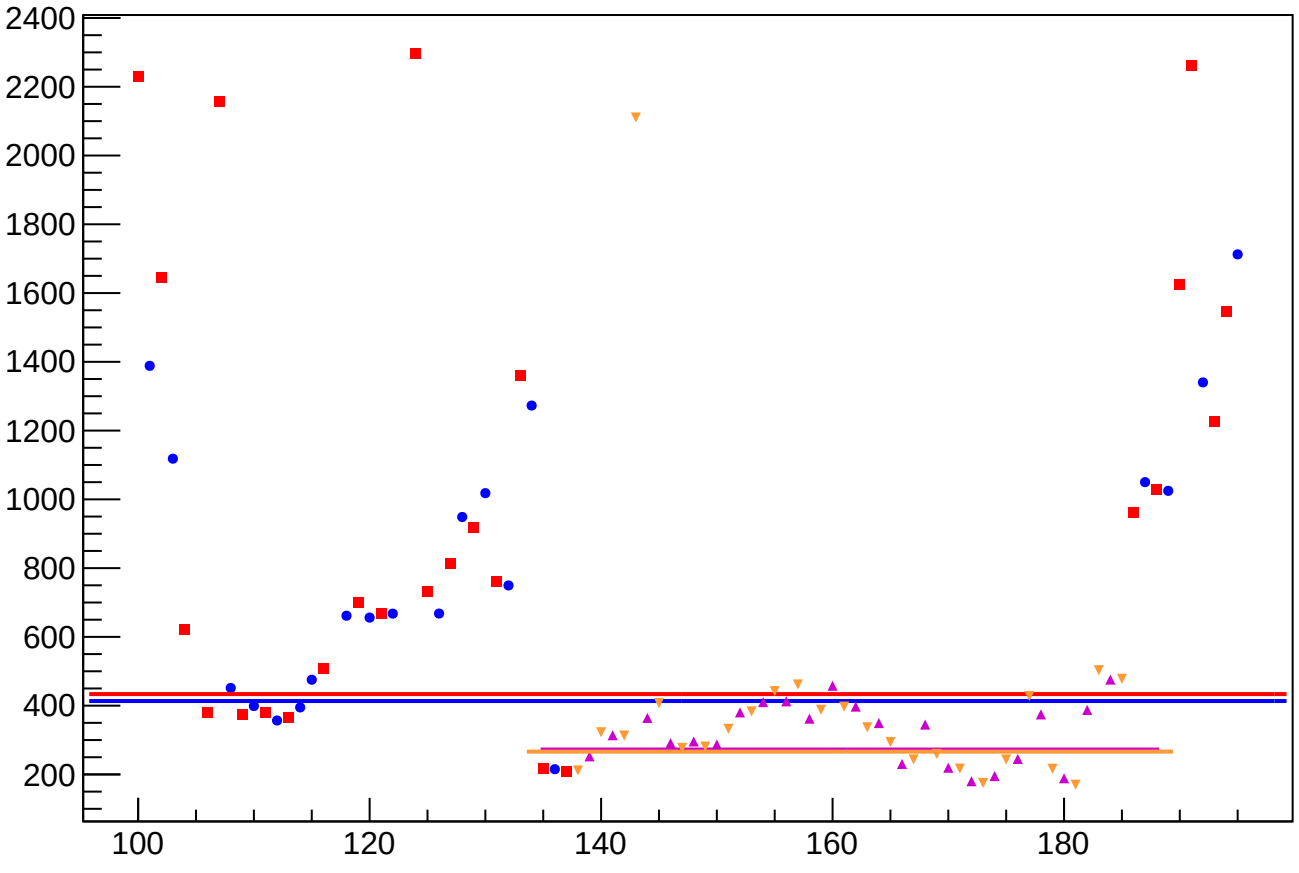
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.412+/-43.312 χ^2/NDF: 103.3/92

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

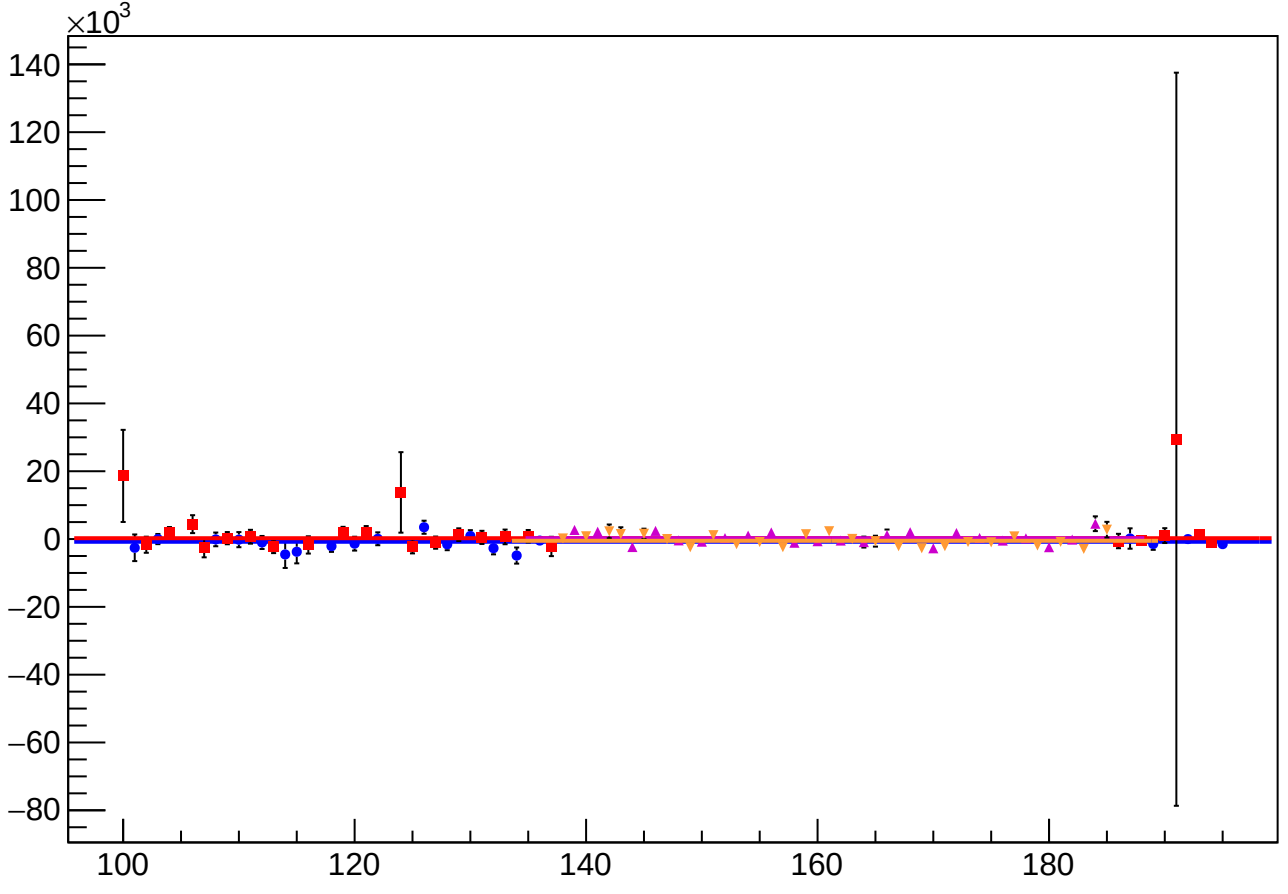
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

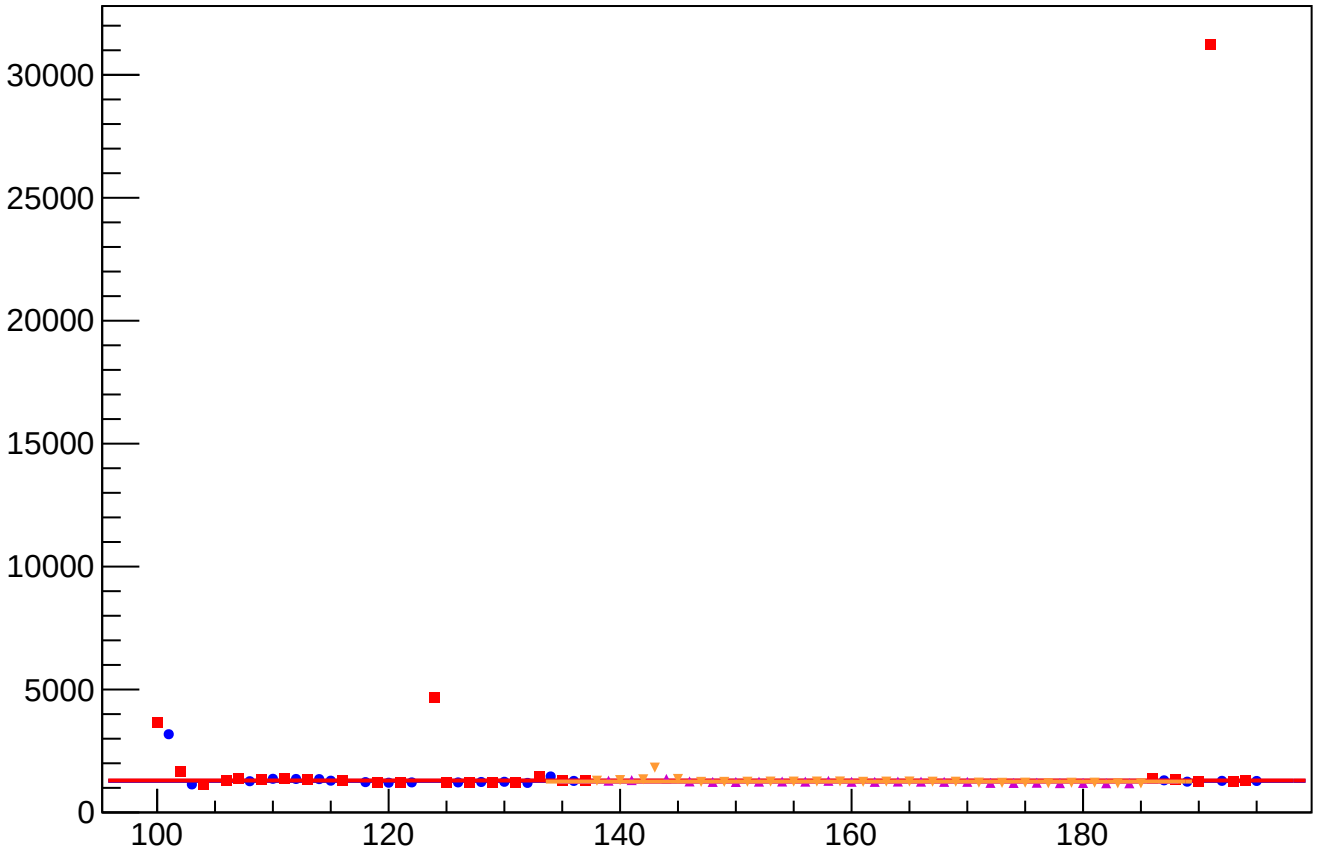
Right Out: 245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -607.004+/-235.634 χ^2/NDF: 45.5/44

All: -181.620+/-166.605 χ^2/NDF: 102.0/92

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

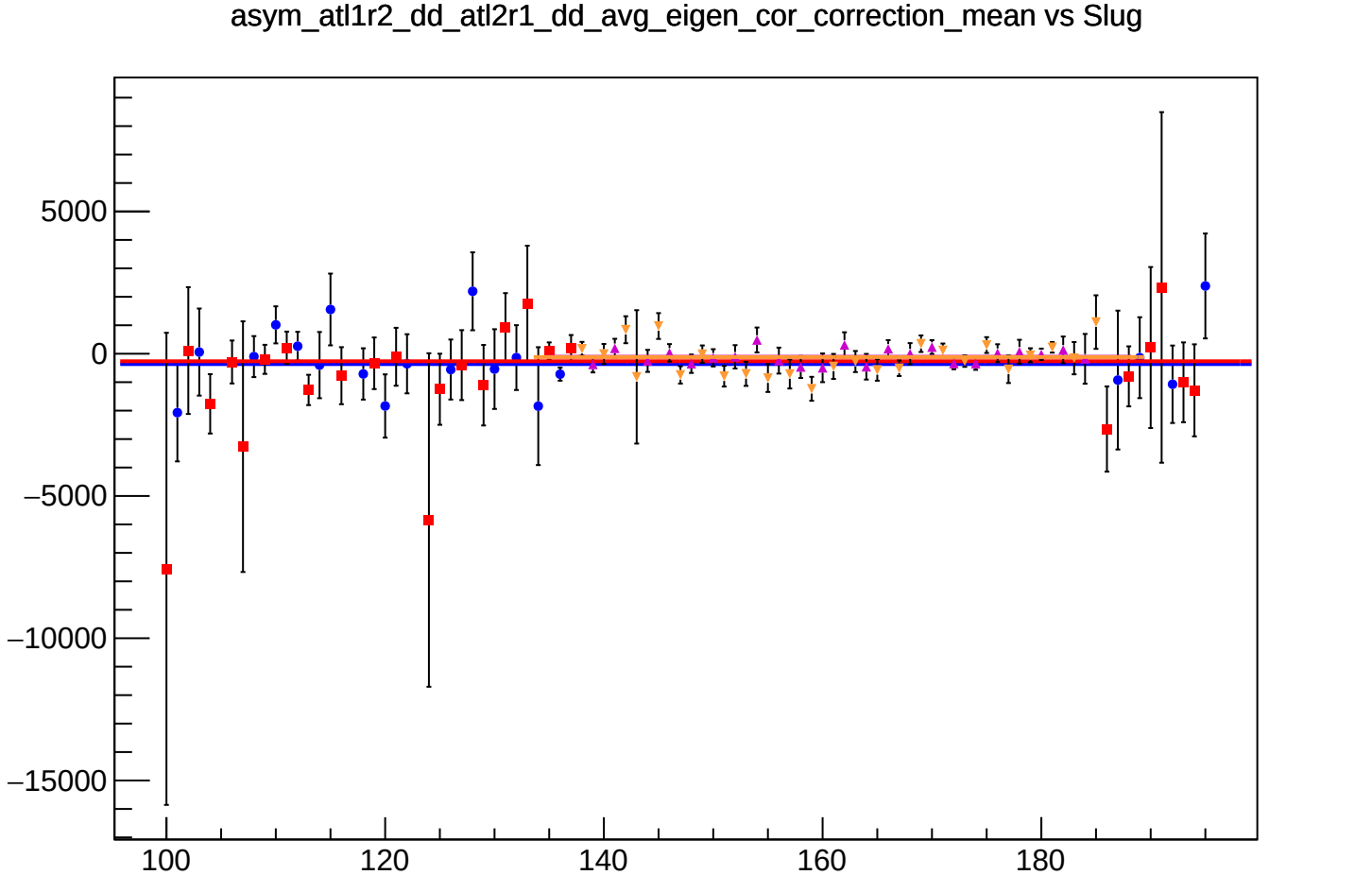
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.646+/-0.167 χ^2/NDF: 728445.0/44

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



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: -264.609+/-163.861 χ^2/NDF: 17.9/24

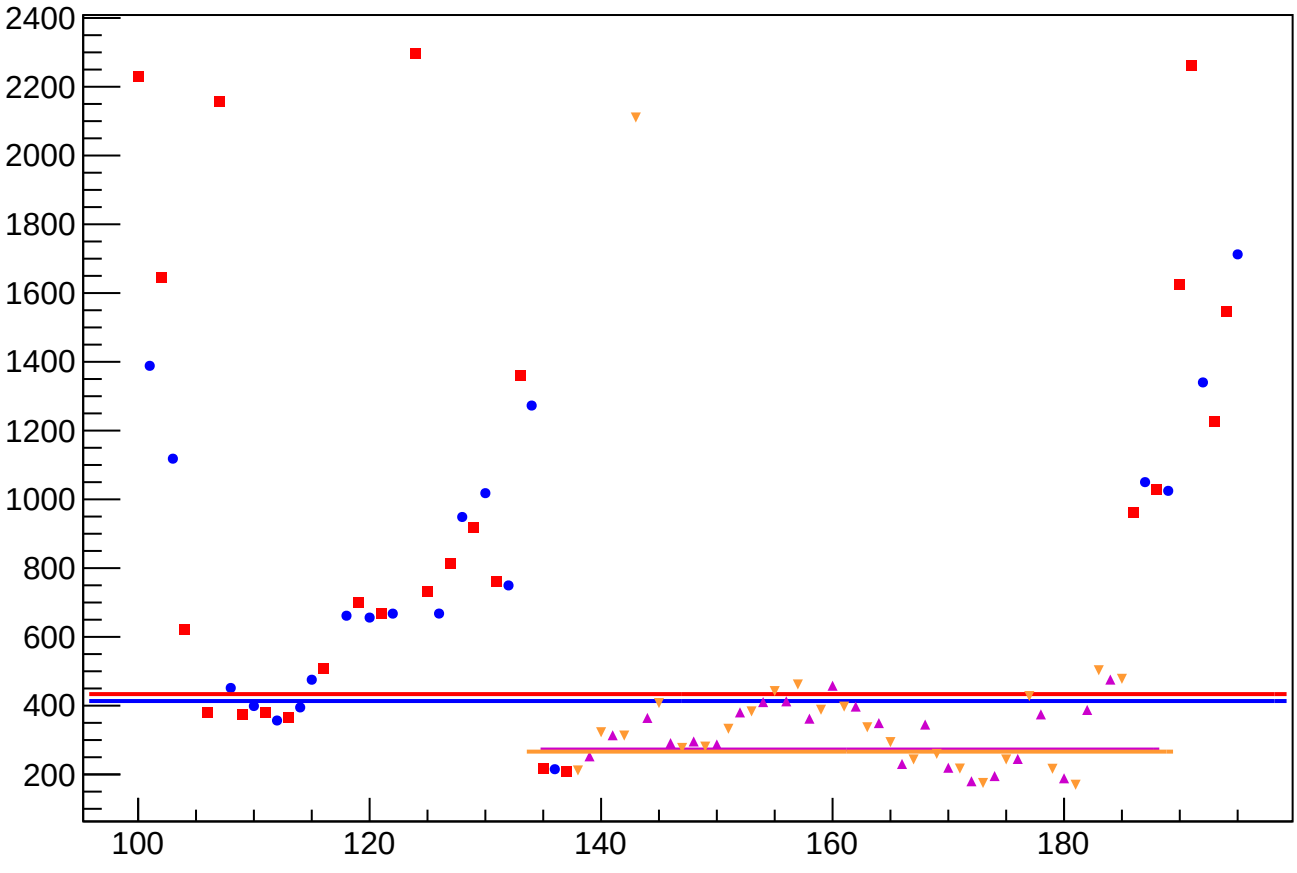
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.352+/-60.514 χ^2/NDF: 70.9/44

All: -140.412+/-43.312 χ^2/NDF: 103.3/92

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47

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

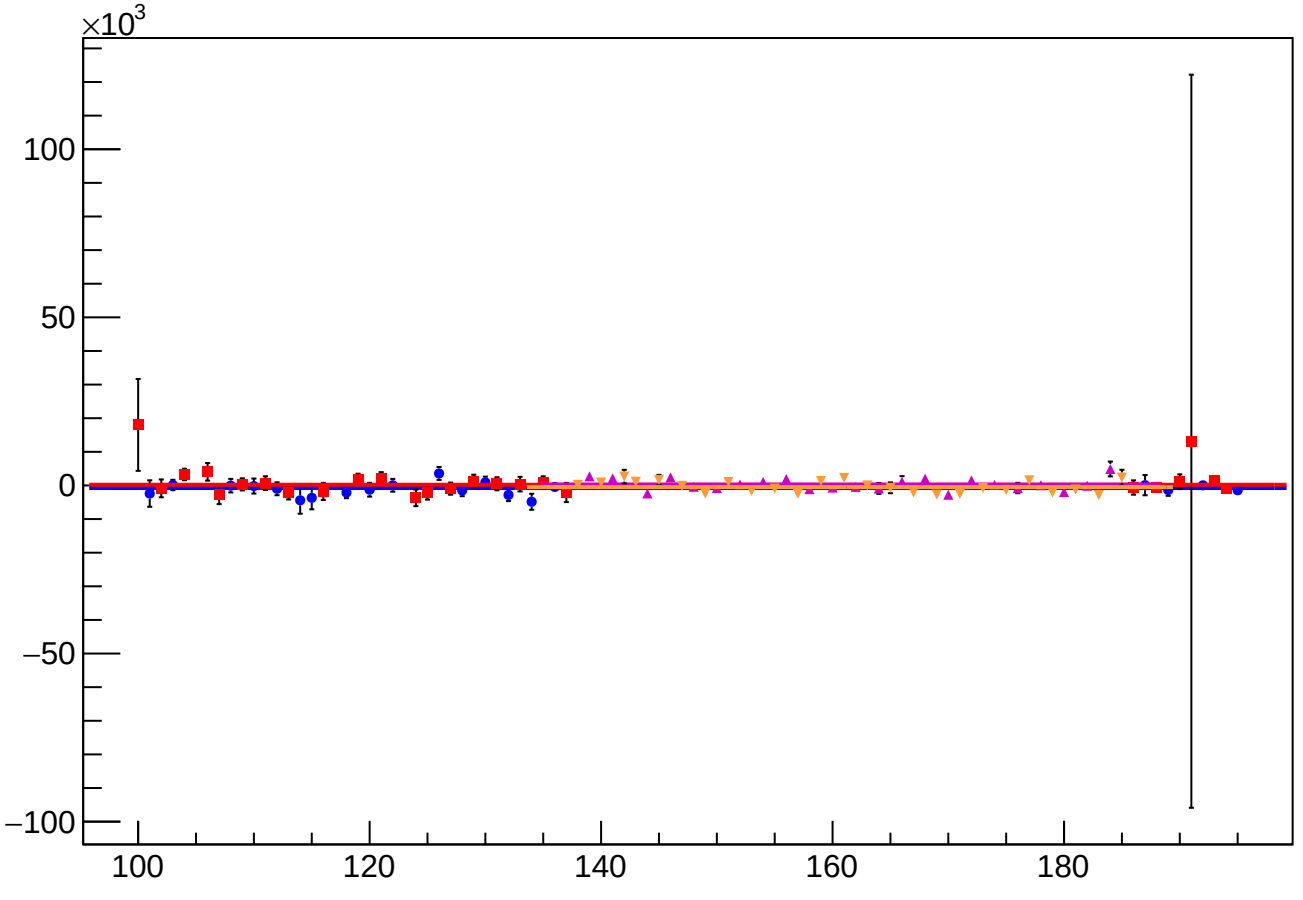
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 286.169+/-0.043 χ^2/NDF: 12723122.3/44

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



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: 206.473+/-399.026 χ^2/NDF: 19.8/24

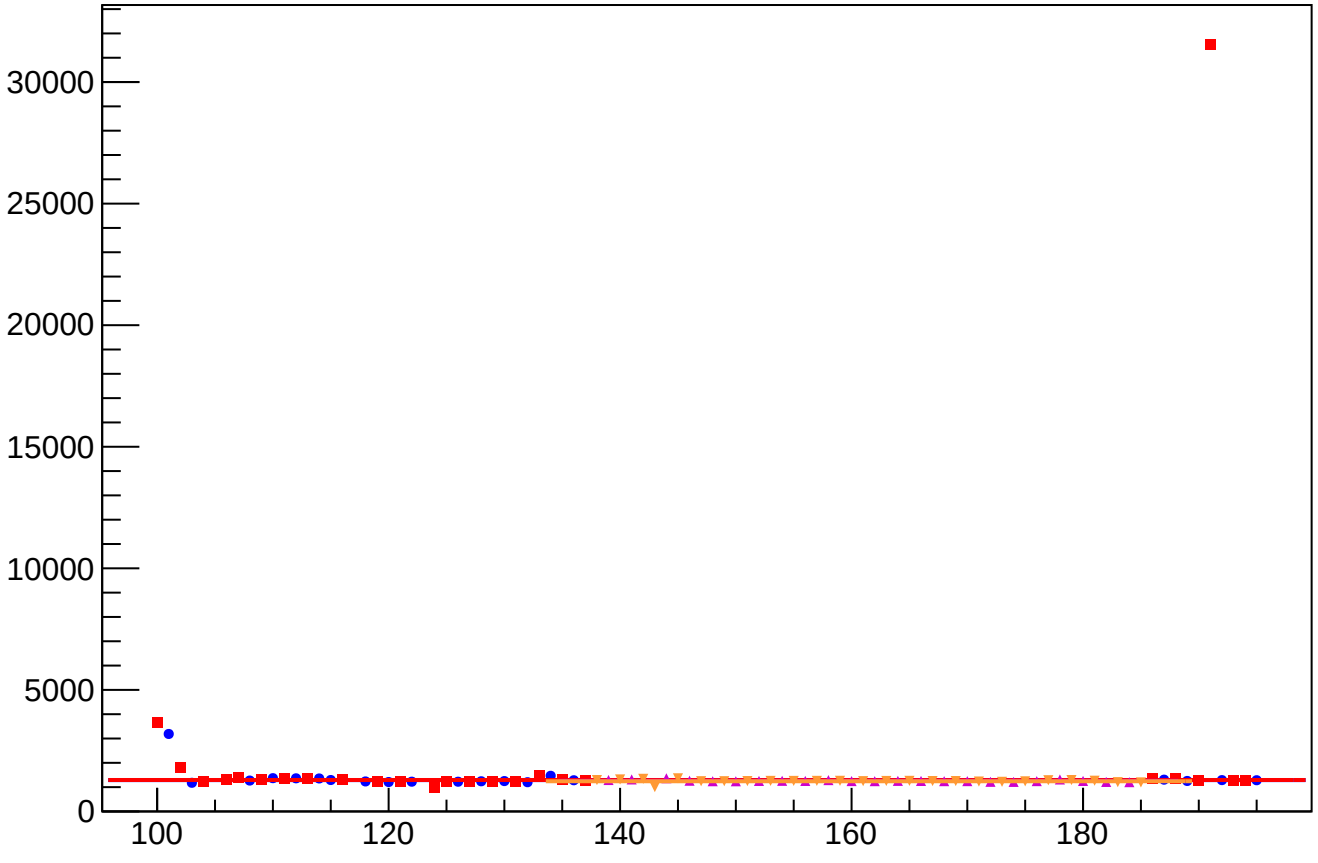
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

\+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.837+/-166.509 χ^2/NDF: 105.3/92

\- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

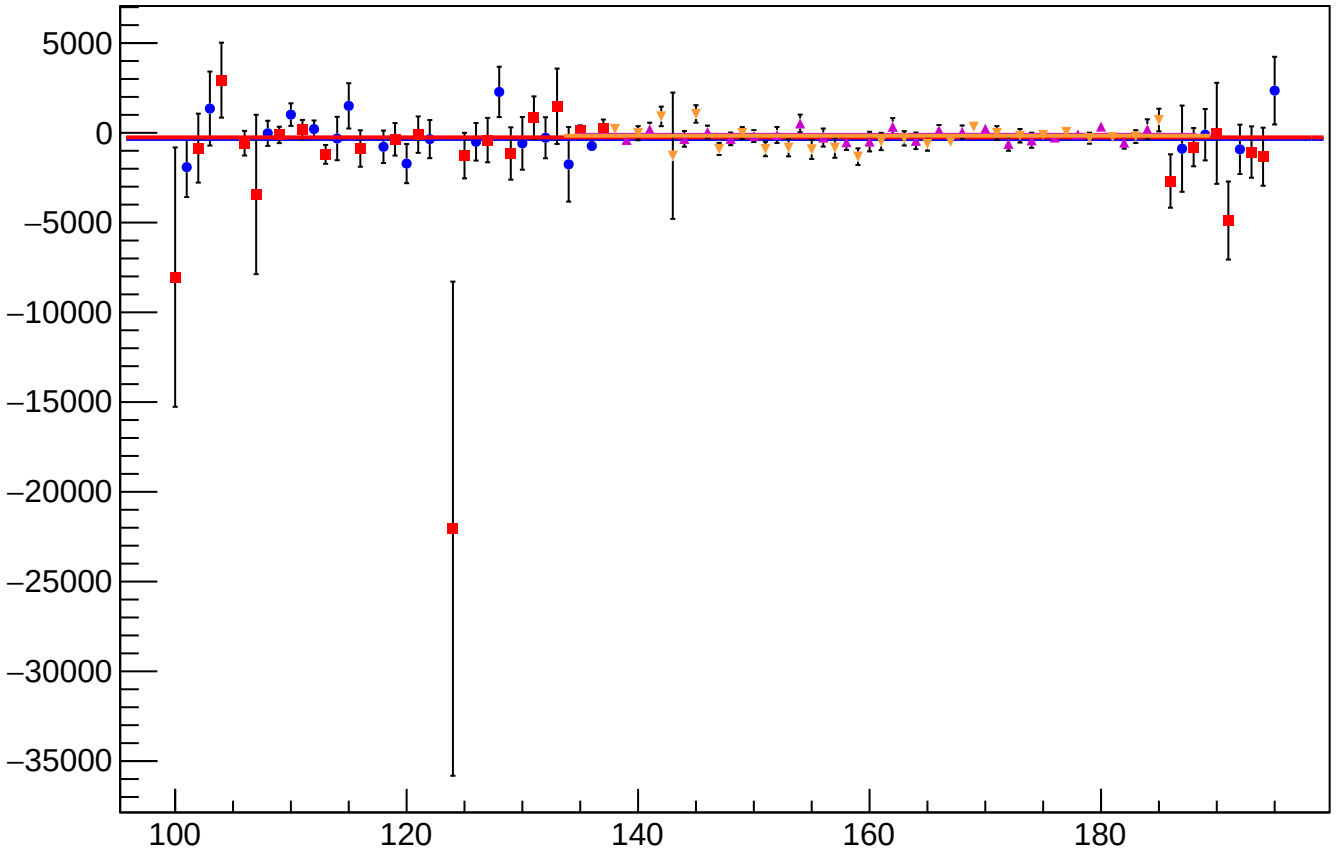
Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657490.1/44

All: 1264.571+/-0.118 χ^2/NDF: 1070915.2/92

- sign 1272.129+/-0.167 χ^2/NDF: 409399.5/47



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

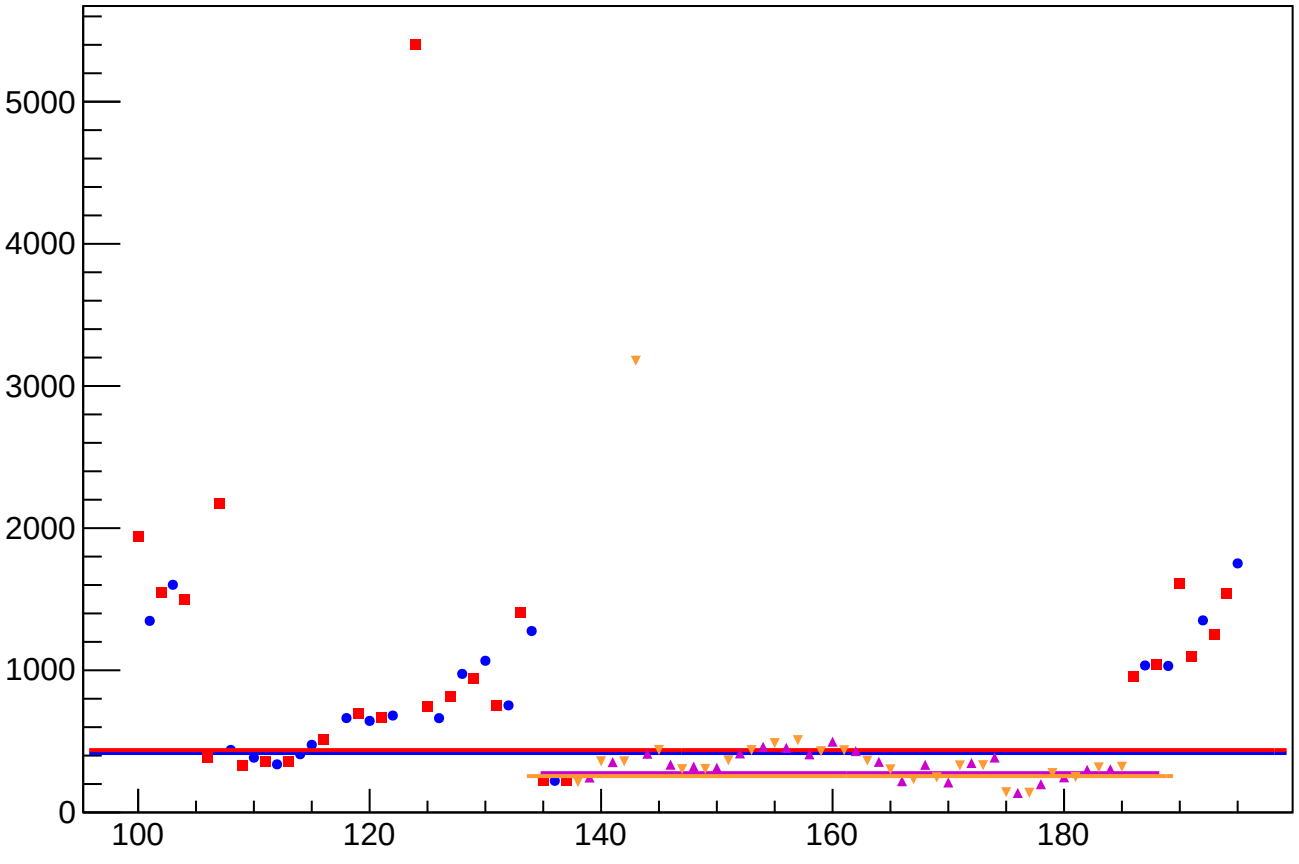
Right Out: -254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -184.271+/-59.845 χ^2/NDF: 65.5/44

All: -160.982+/-43.540 χ^2/NDF: 109.1/92

- sign -134.794+/-63.462 χ^2/NDF: 43.2/47



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

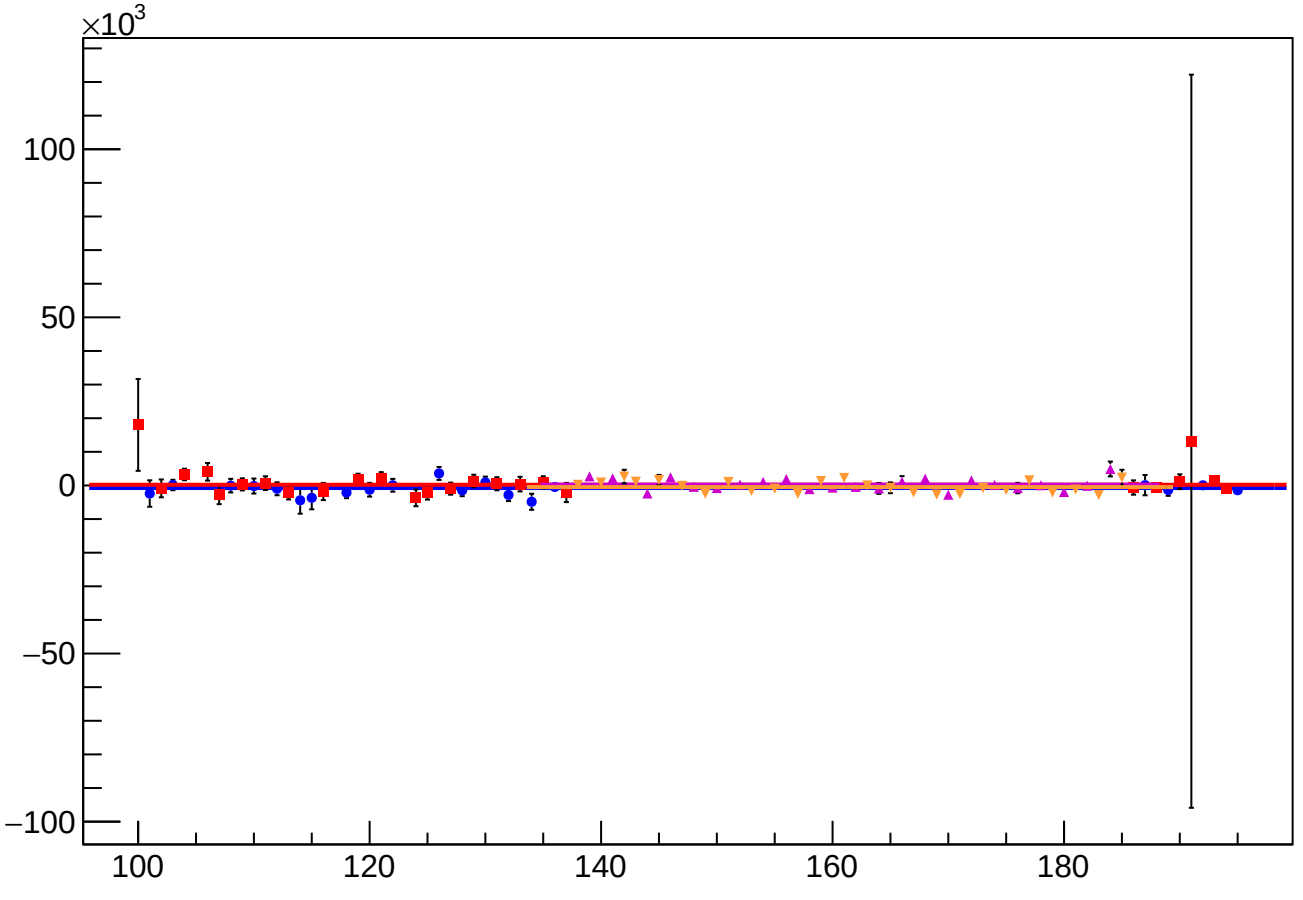
Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 276.756+/-0.042 χ^2/NDF: 14862683.7/44

All: 288.006+/-0.031 χ^2/NDF: 28461278.8/92

- sign 300.656+/-0.045 χ^2/NDF: 13448455.3/47



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: 206.473+/-399.026 χ^2/NDF: 19.8/24

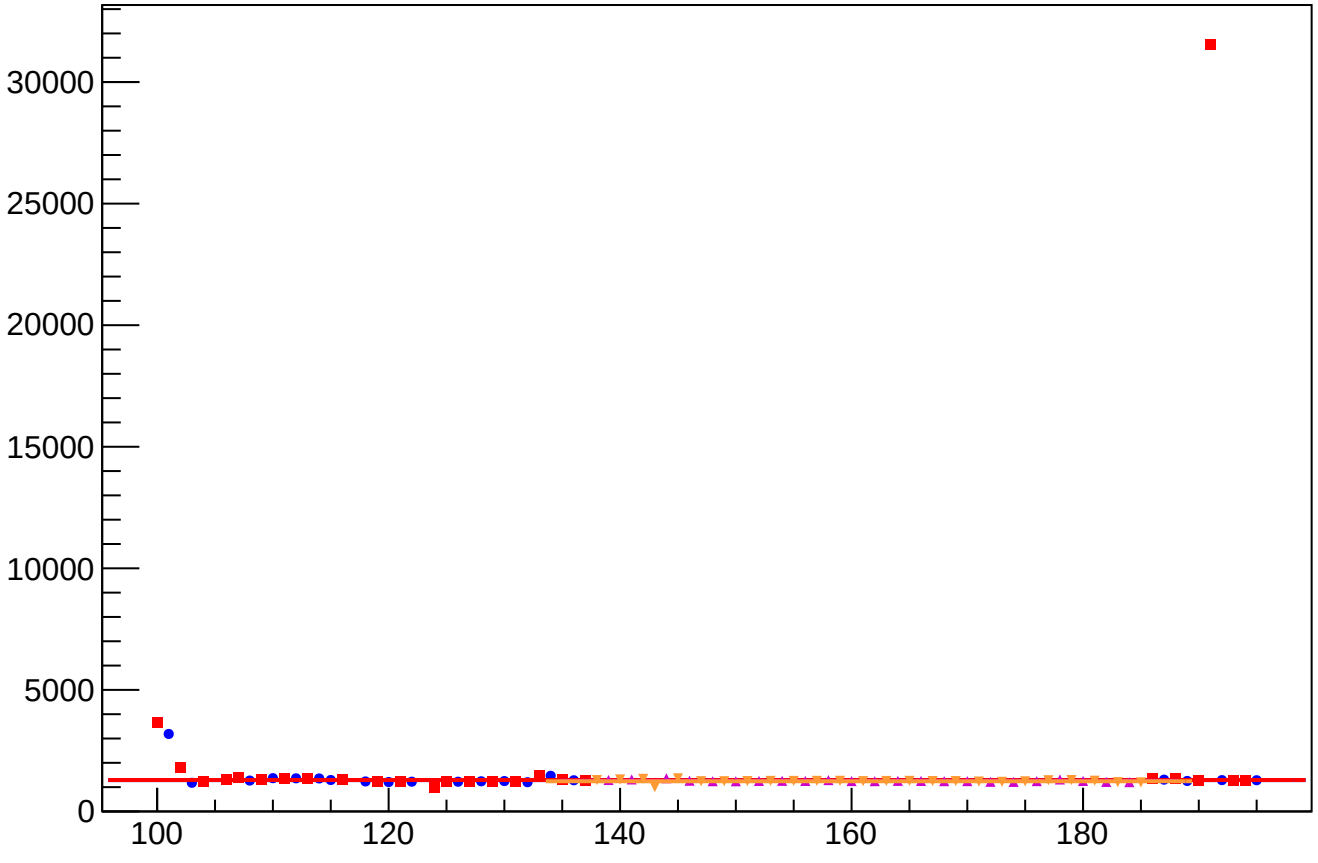
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

\+ sign -579.688+/-234.113 χ^2/NDF: 48.9/44

All: -179.837+/-166.509 χ^2/NDF: 105.3/92

\- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

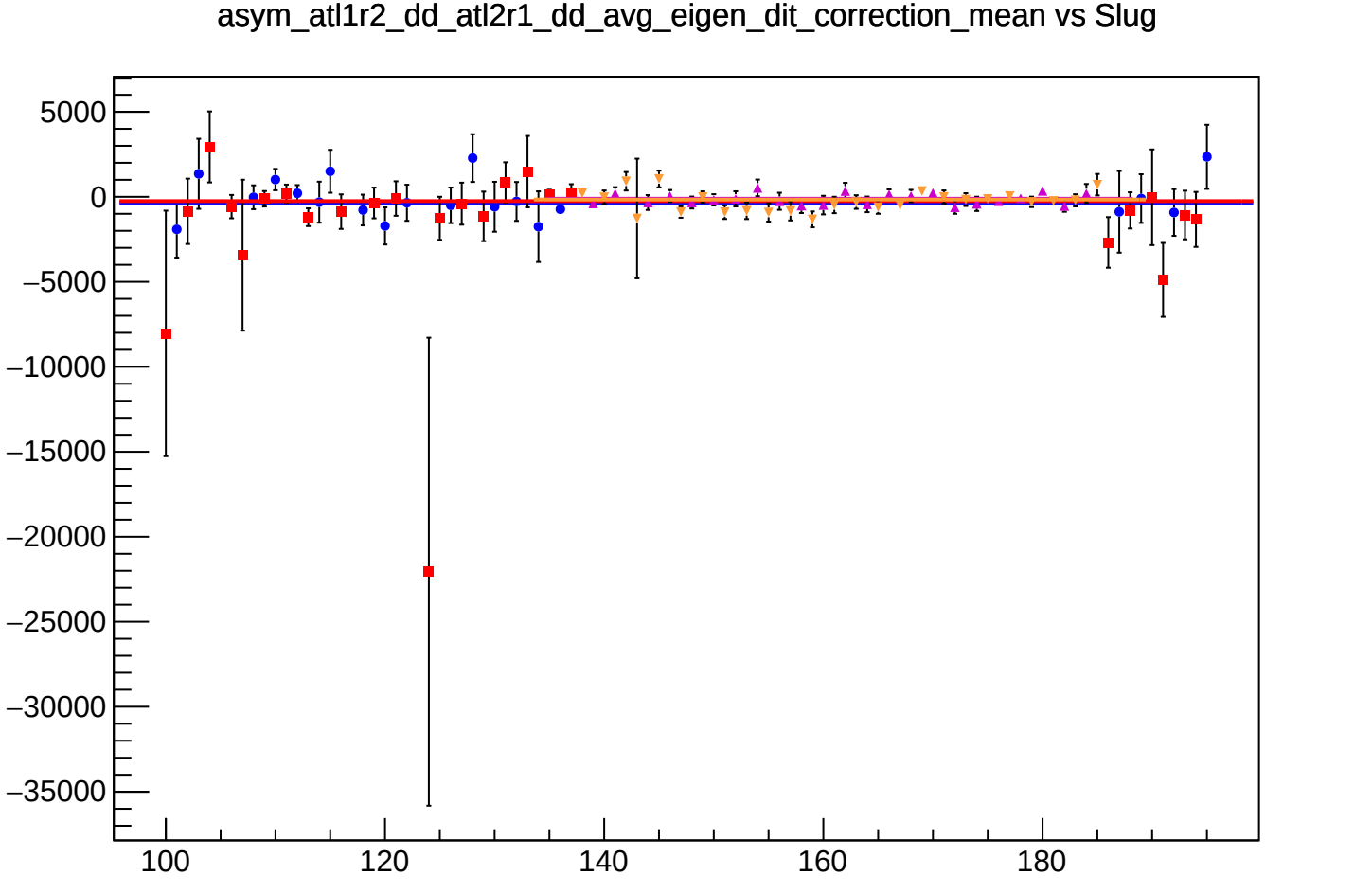
Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1257.187+/-0.166 χ^2/NDF: 657489.2/44

All: 1264.571+/-0.118 χ^2/NDF: 1070914.7/92

- sign 1272.129+/-0.167 χ^2/NDF: 409399.9/47



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: -254.074+/-163.781 χ^2/NDF: 24.4/24

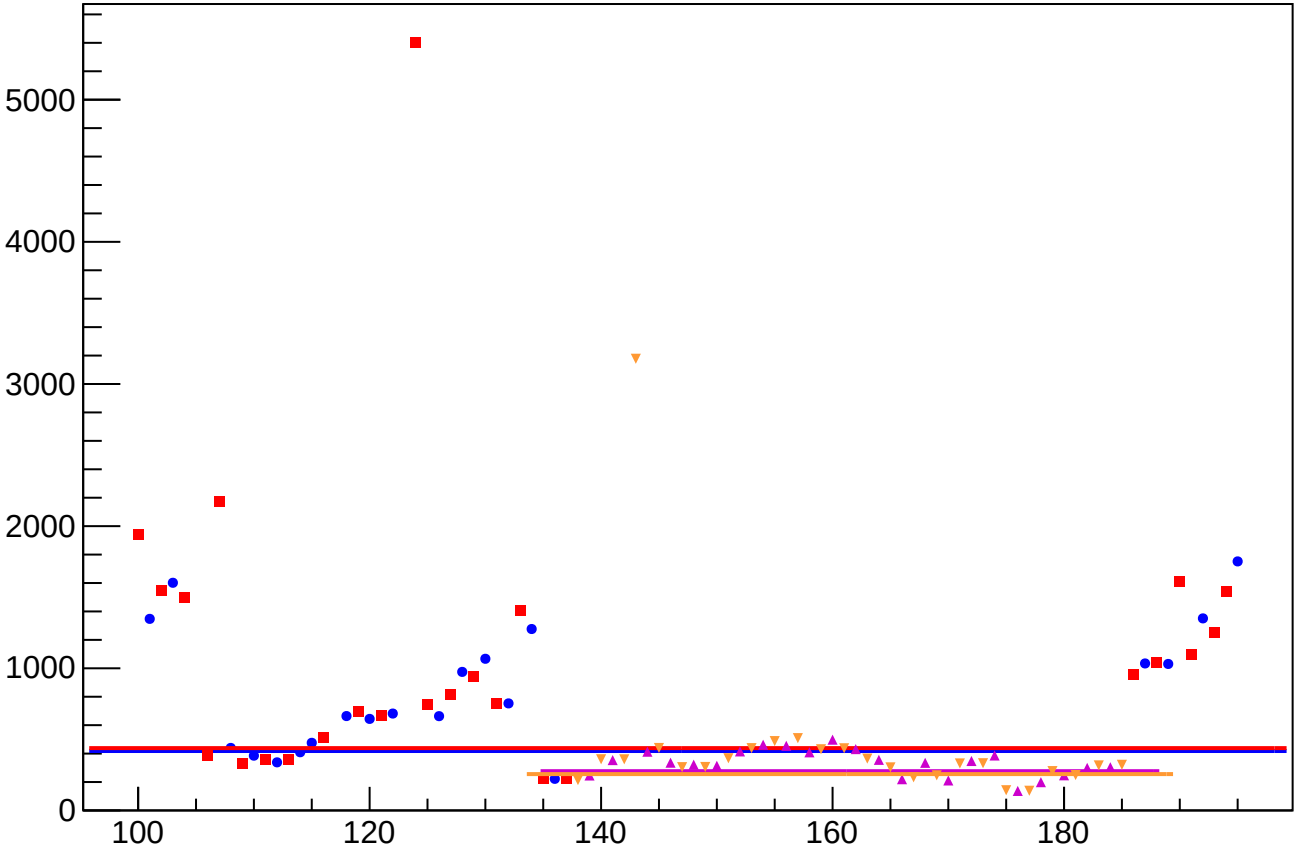
Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -184.273+/-59.845 χ^2/NDF: 65.5/44

All: -160.983+/-43.540 χ^2/NDF: 109.1/92

- sign -134.793+/-63.463 χ^2/NDF: 43.2/47

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 418.176+/-0.118 χ^2/NDF: 6831147.2/19

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

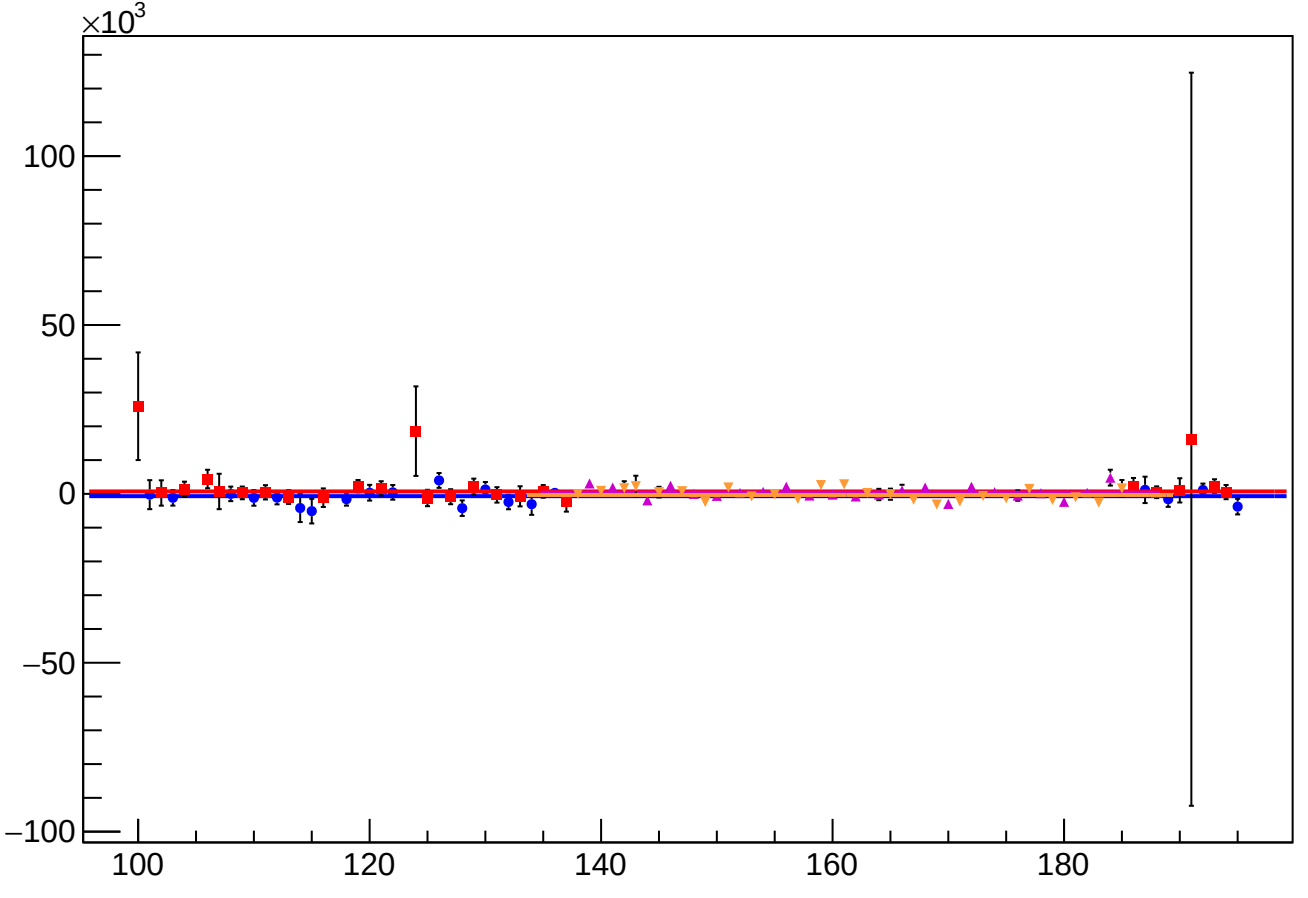
Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 276.758+/-0.042 χ^2/NDF: 14862489.8/44

All: 288.007+/-0.031 χ^2/NDF: 28460958.2/92

- sign 300.657+/-0.045 χ^2/NDF: 13448340.1/47



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: 724.004+/-491.743 χ^2/NDF: 12.3/24

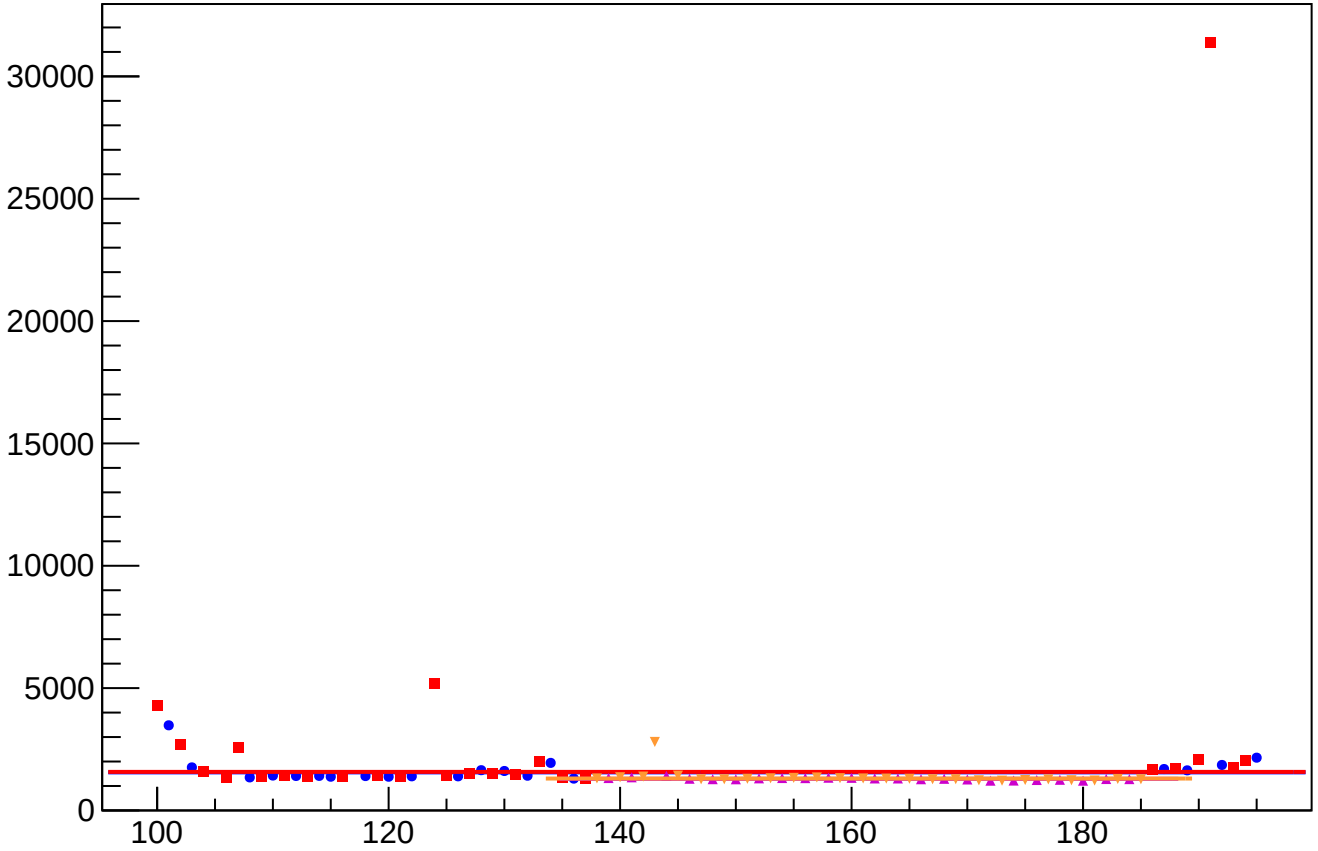
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -411.699+/-257.258 χ^2/NDF: 47.5/44

All: 22.619+/-181.918 χ^2/NDF: 95.7/92

\- sign 457.020+/-257.283 χ^2/NDF: 42.4/47

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

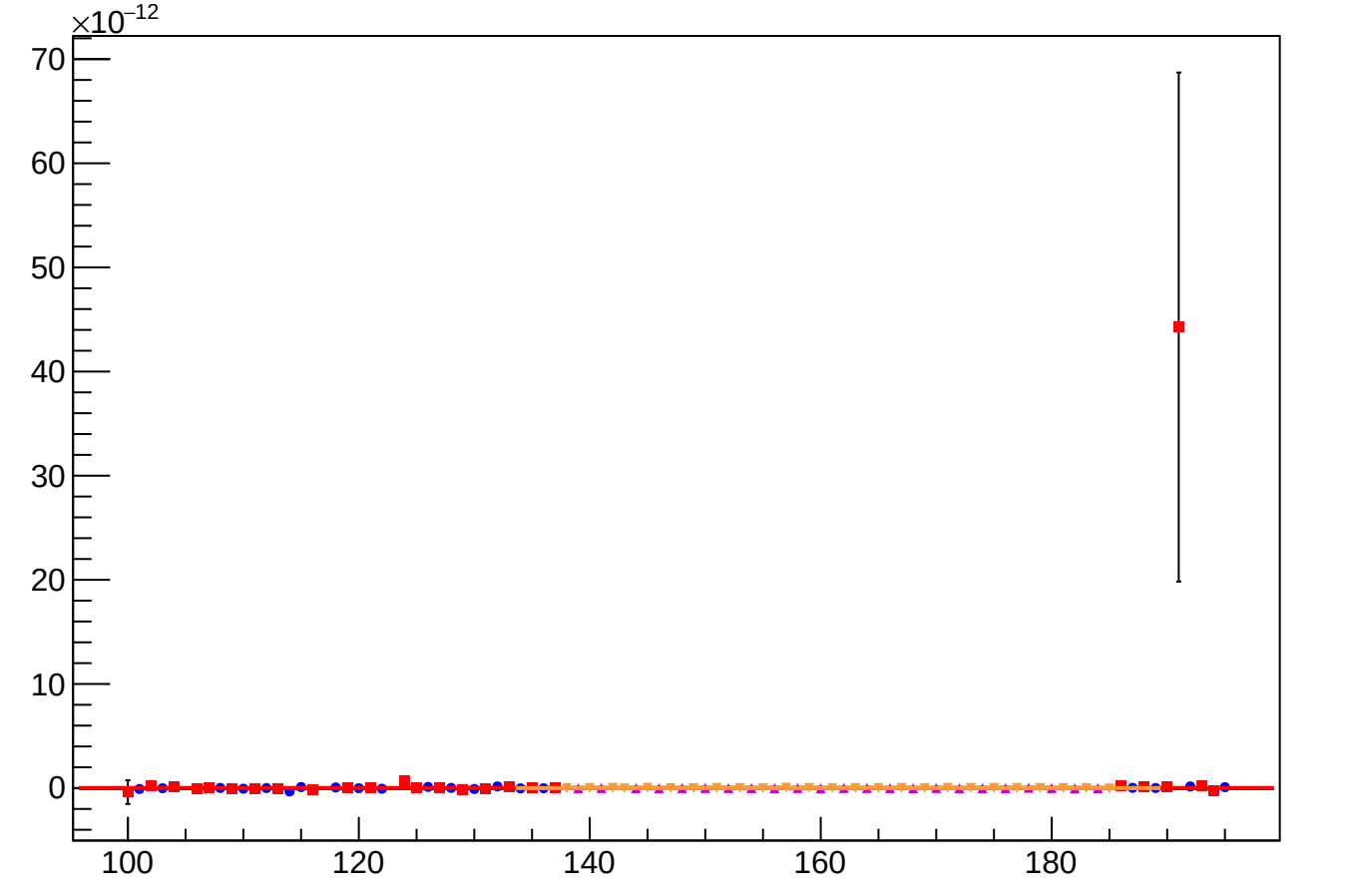
Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

\+ sign 1368.730+/-0.182 χ^2/NDF: 1693424.1/44

All: 1369.306+/-0.129 χ^2/NDF: 3202039.8/92

\- sign 1369.883+/-0.182 χ^2/NDF: 1508595.6/47



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: 31.7/24

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: 101.3/92

- sign 0.000+/-0.000 χ^2/NDF: 63.2/47

Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

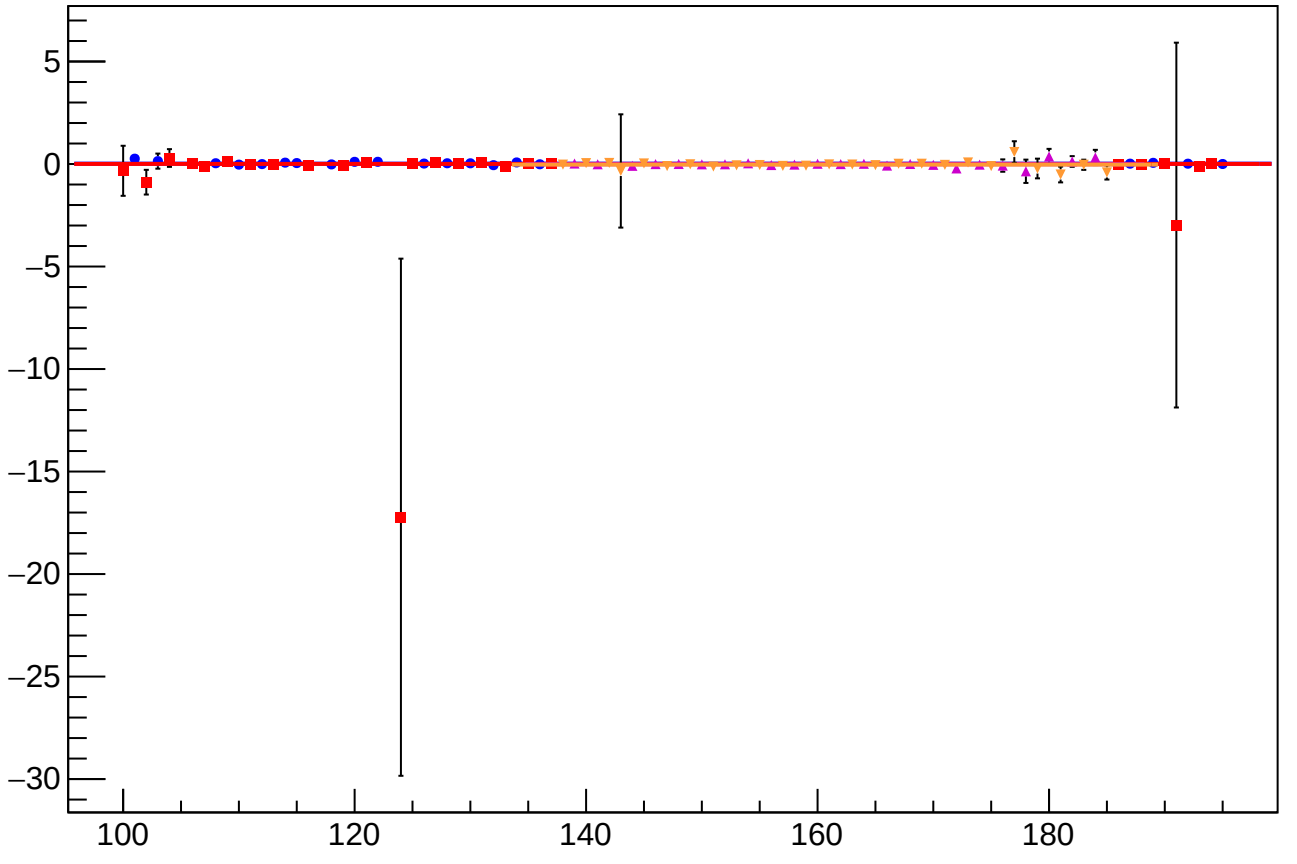
Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

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: 16385143.4/92

- sign 0.000+/-0.000 χ^2/NDF: 8431722.4/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

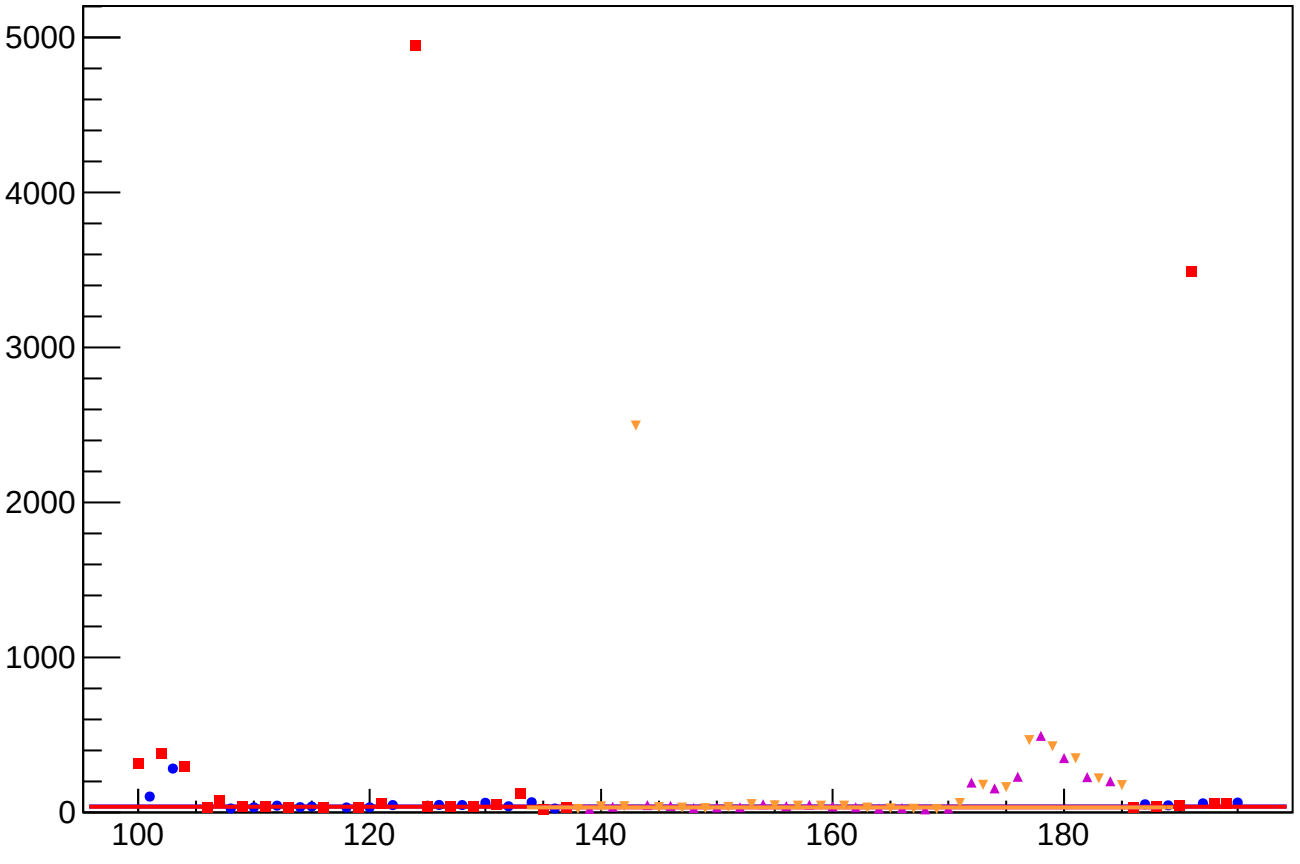
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

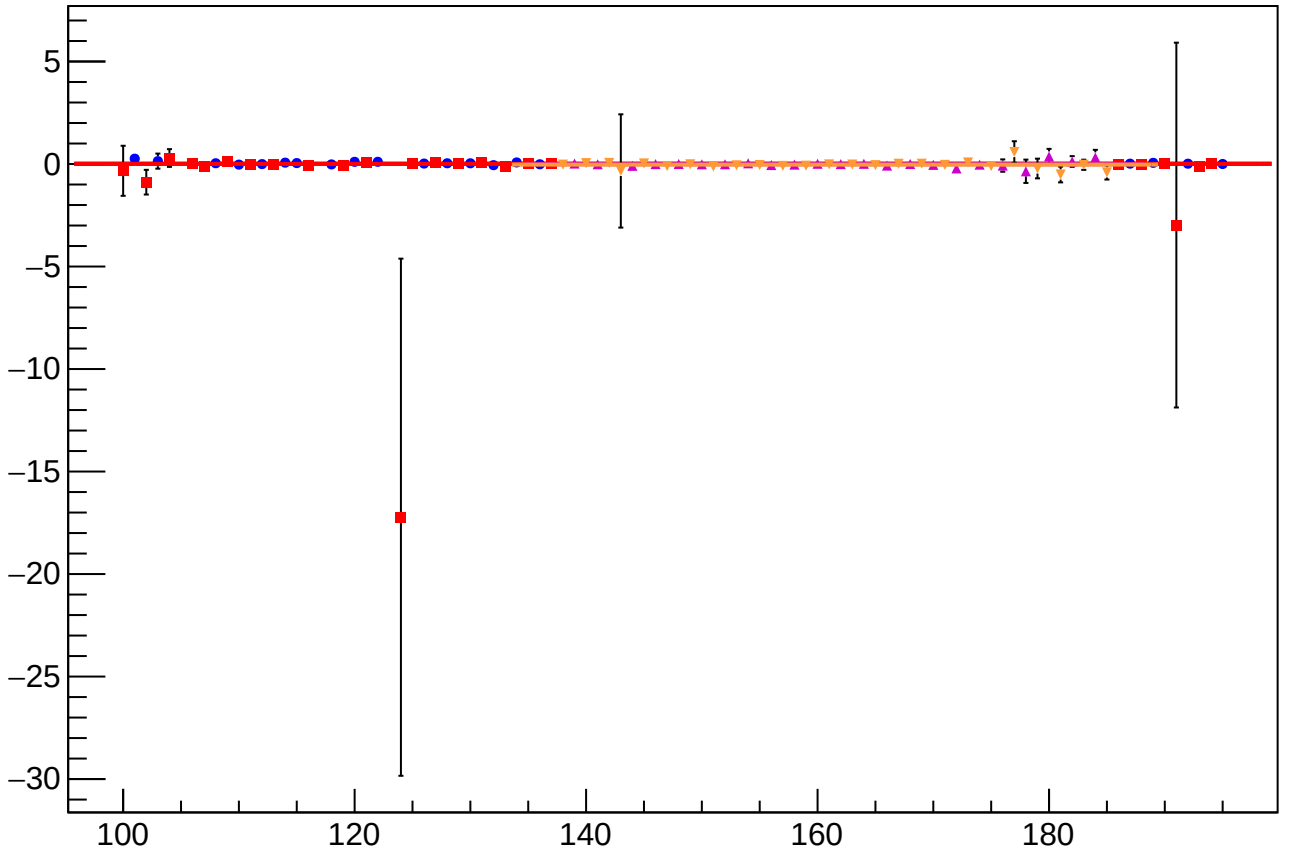
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

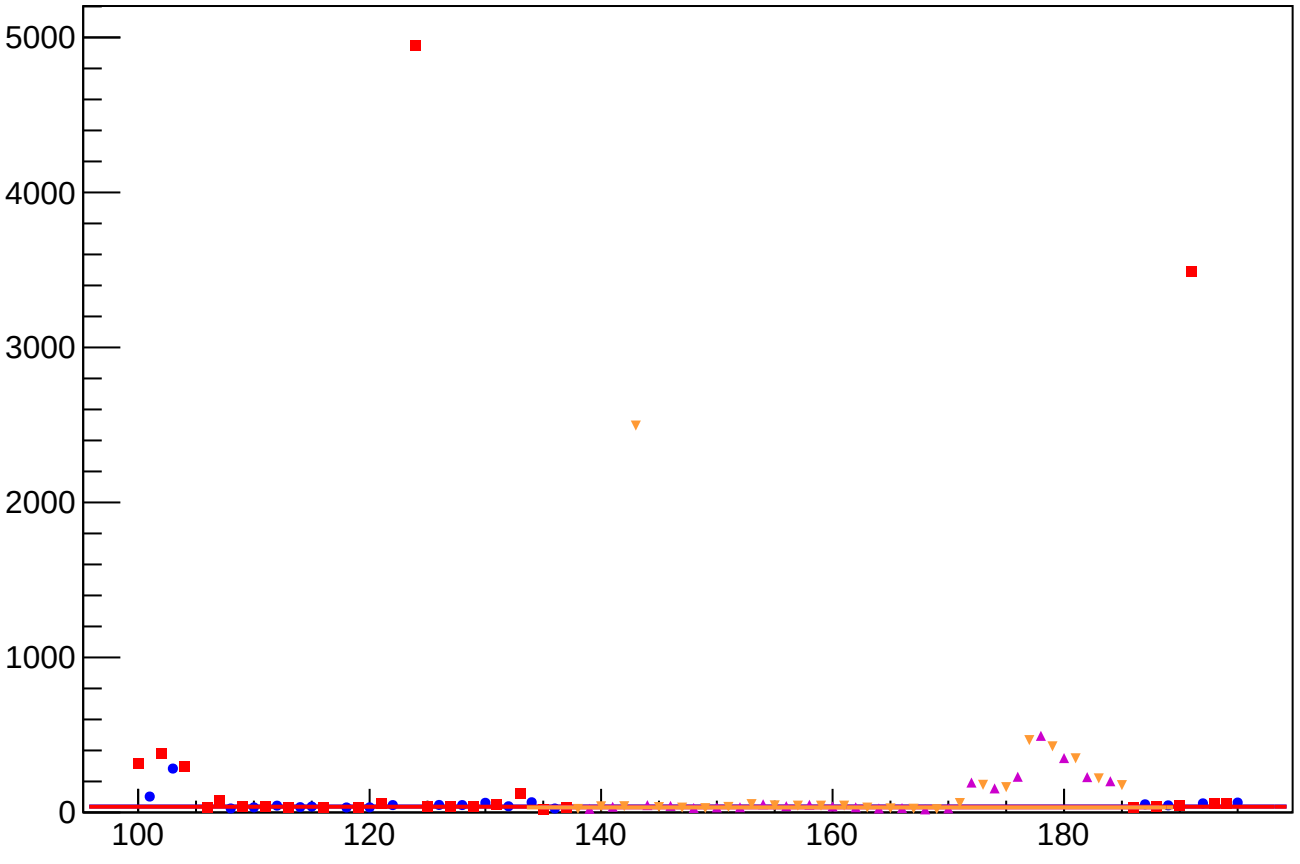
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

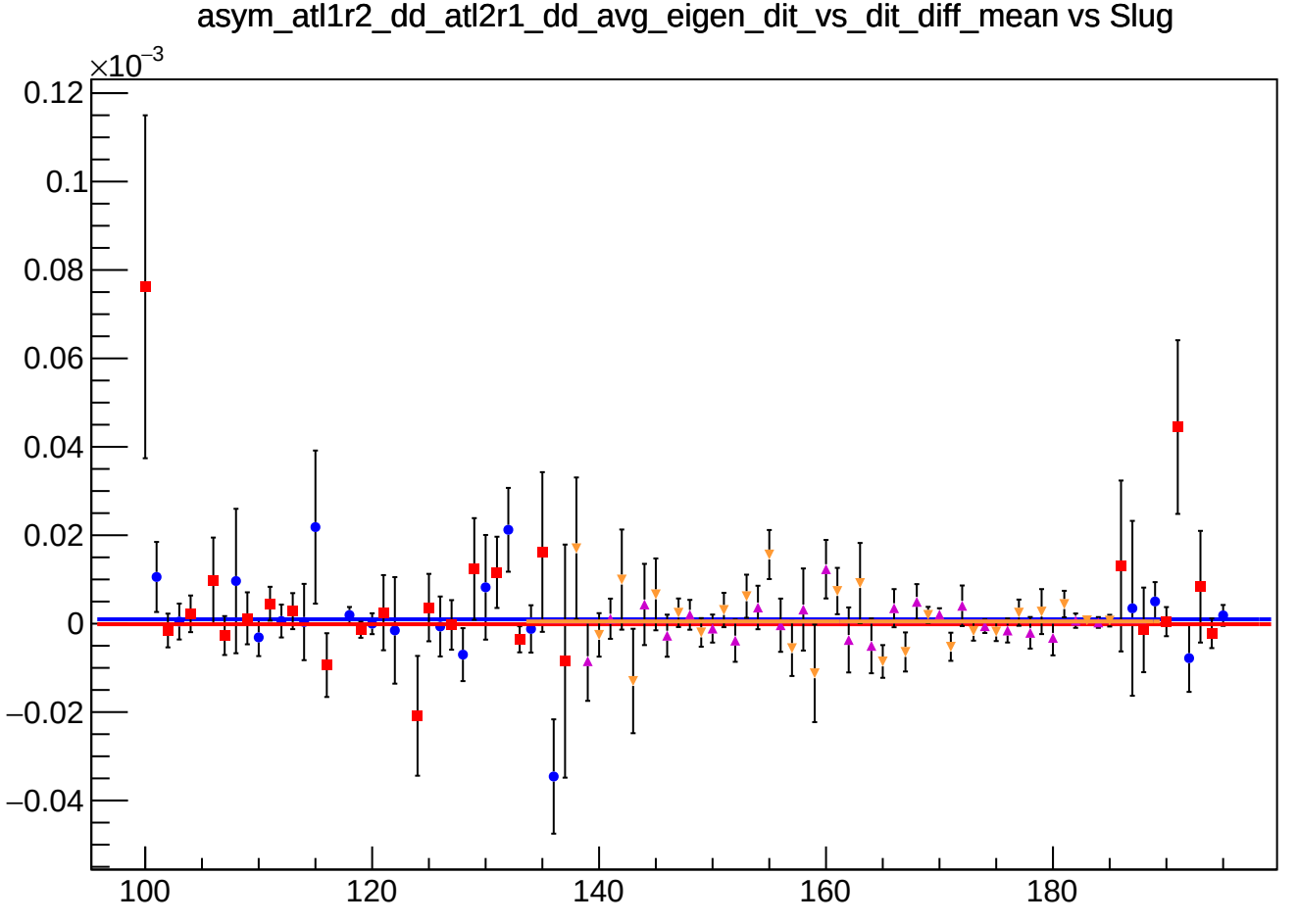
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.377+/-0.006 χ^2/NDF: 13910396.0/44

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

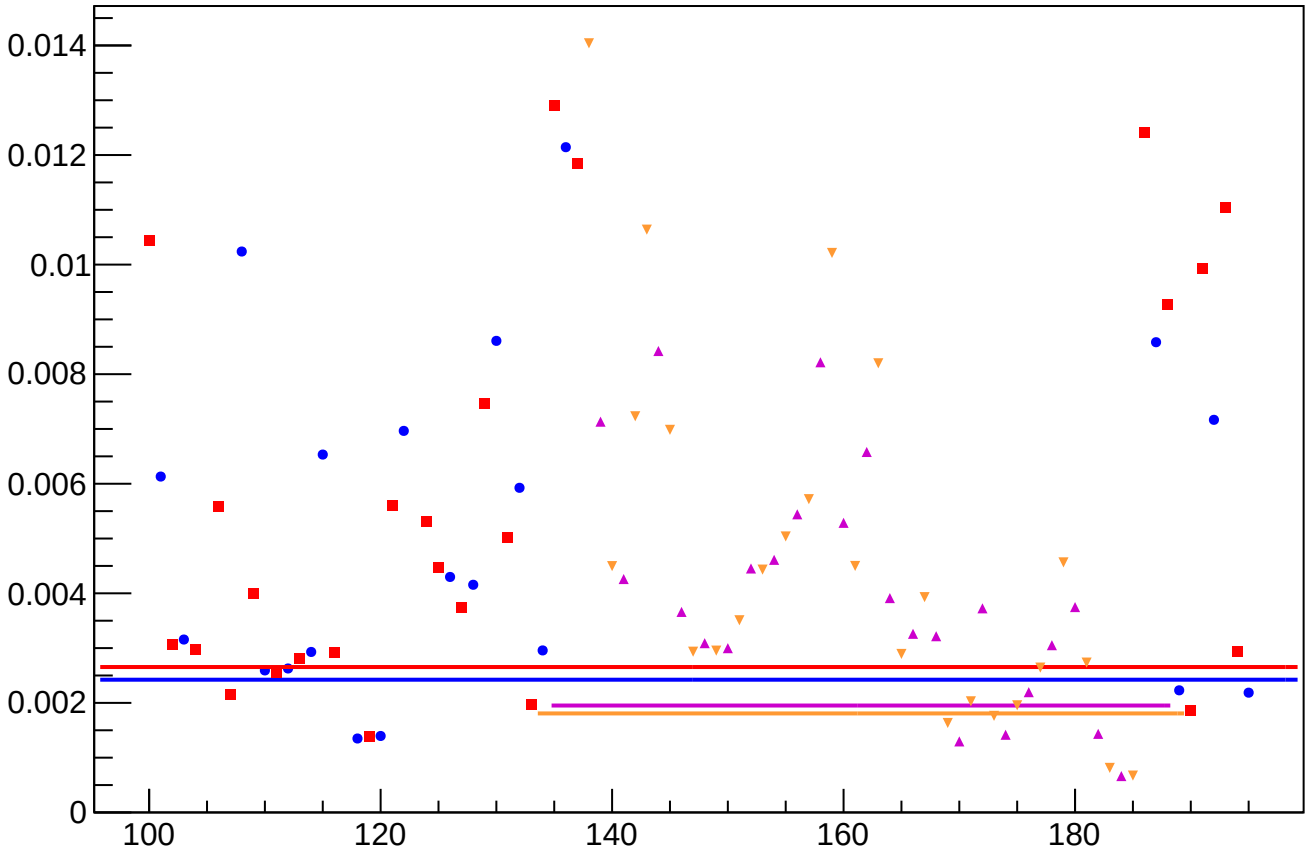
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

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: 96.1/92

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 5718326.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

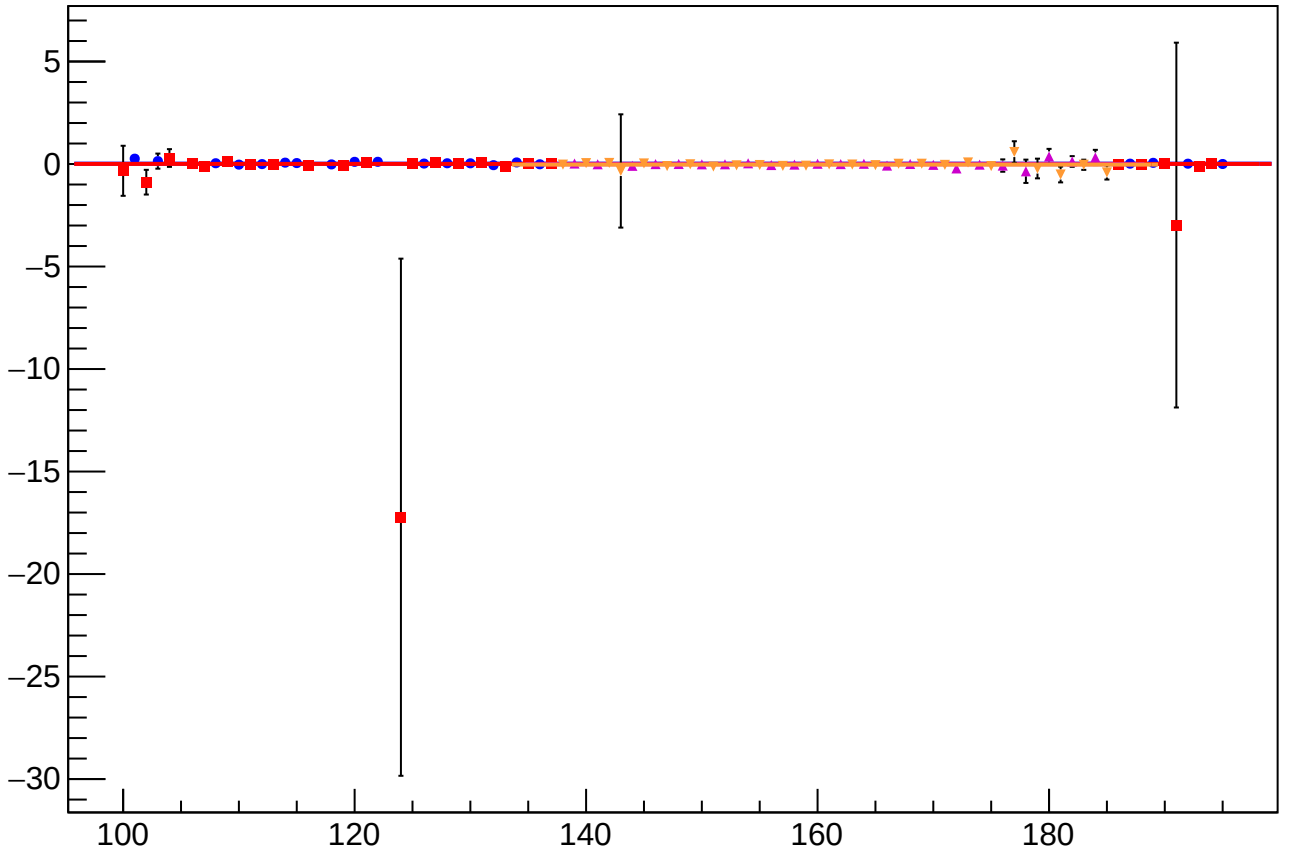
Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

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: 39862416.7/92

- sign 0.002+/-0.000 χ^2/NDF: 18442468.5/47



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

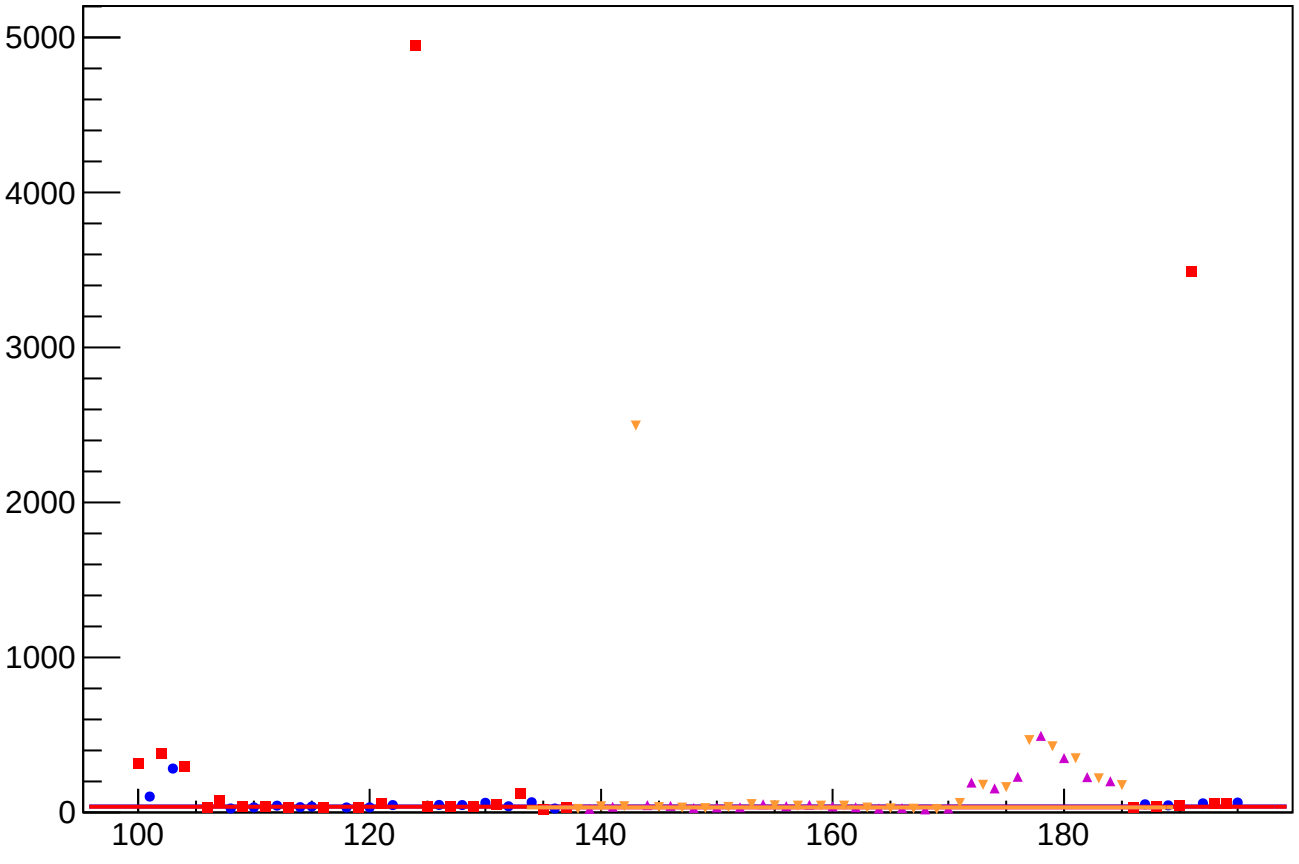
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



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: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

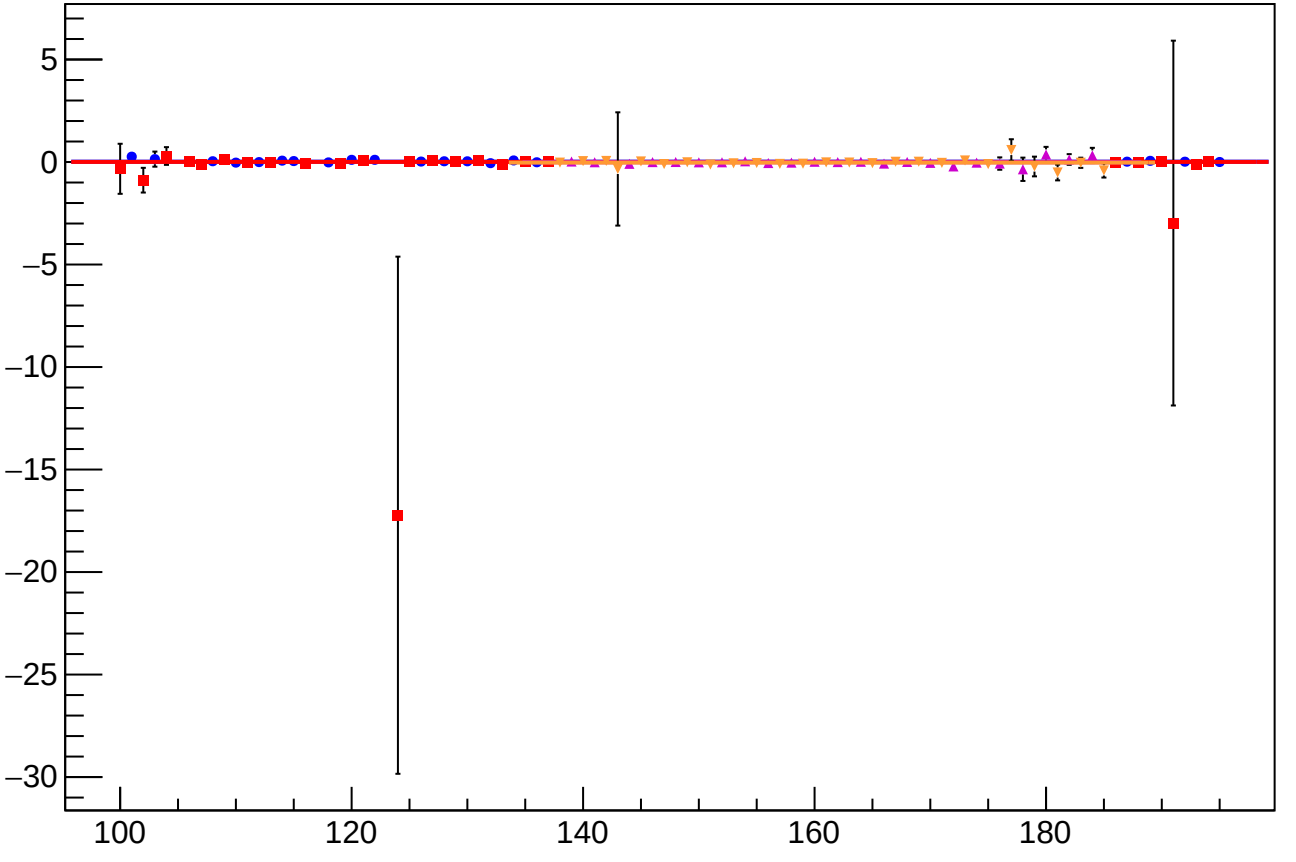
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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: 20.1/24

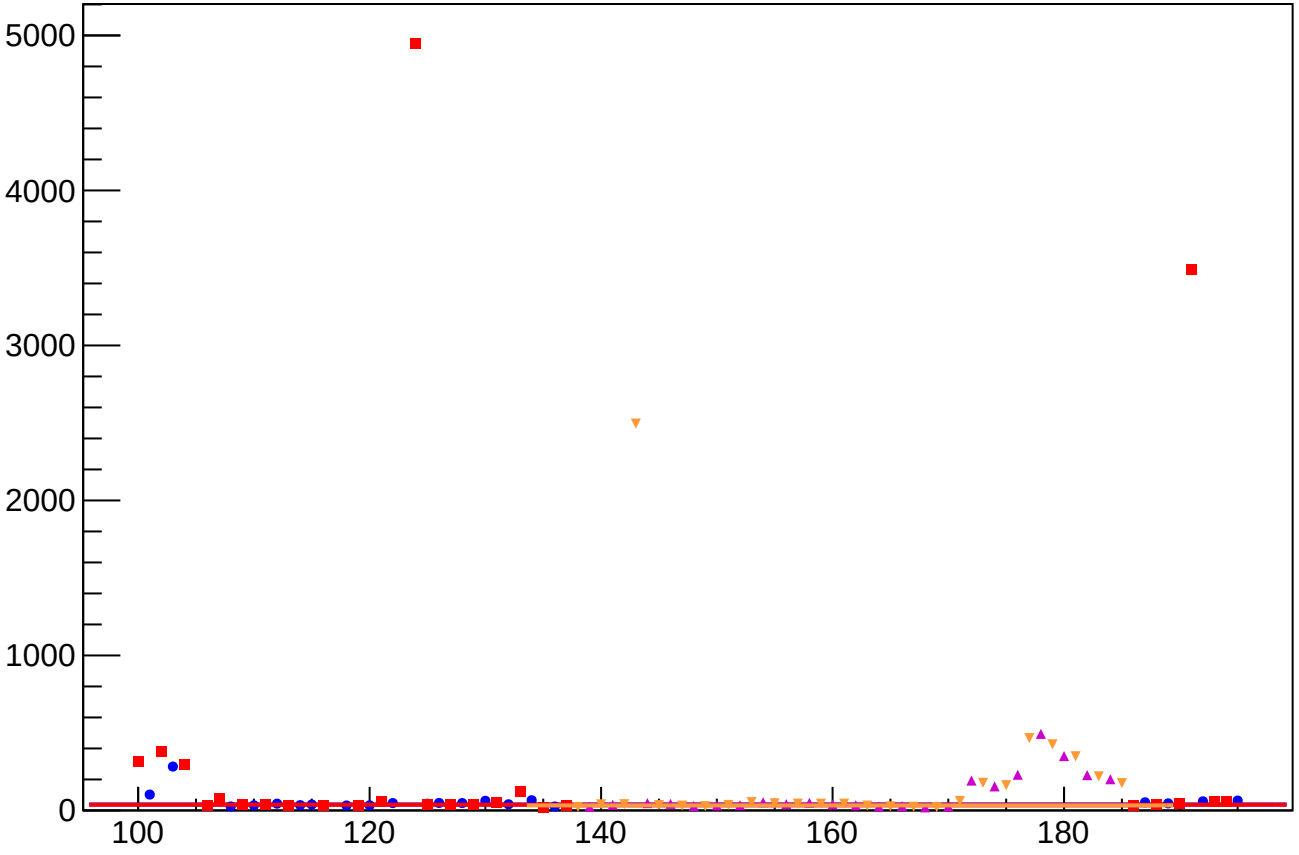
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/44

All: -0.010+/-0.006 χ^2/NDF: 81.8/92

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

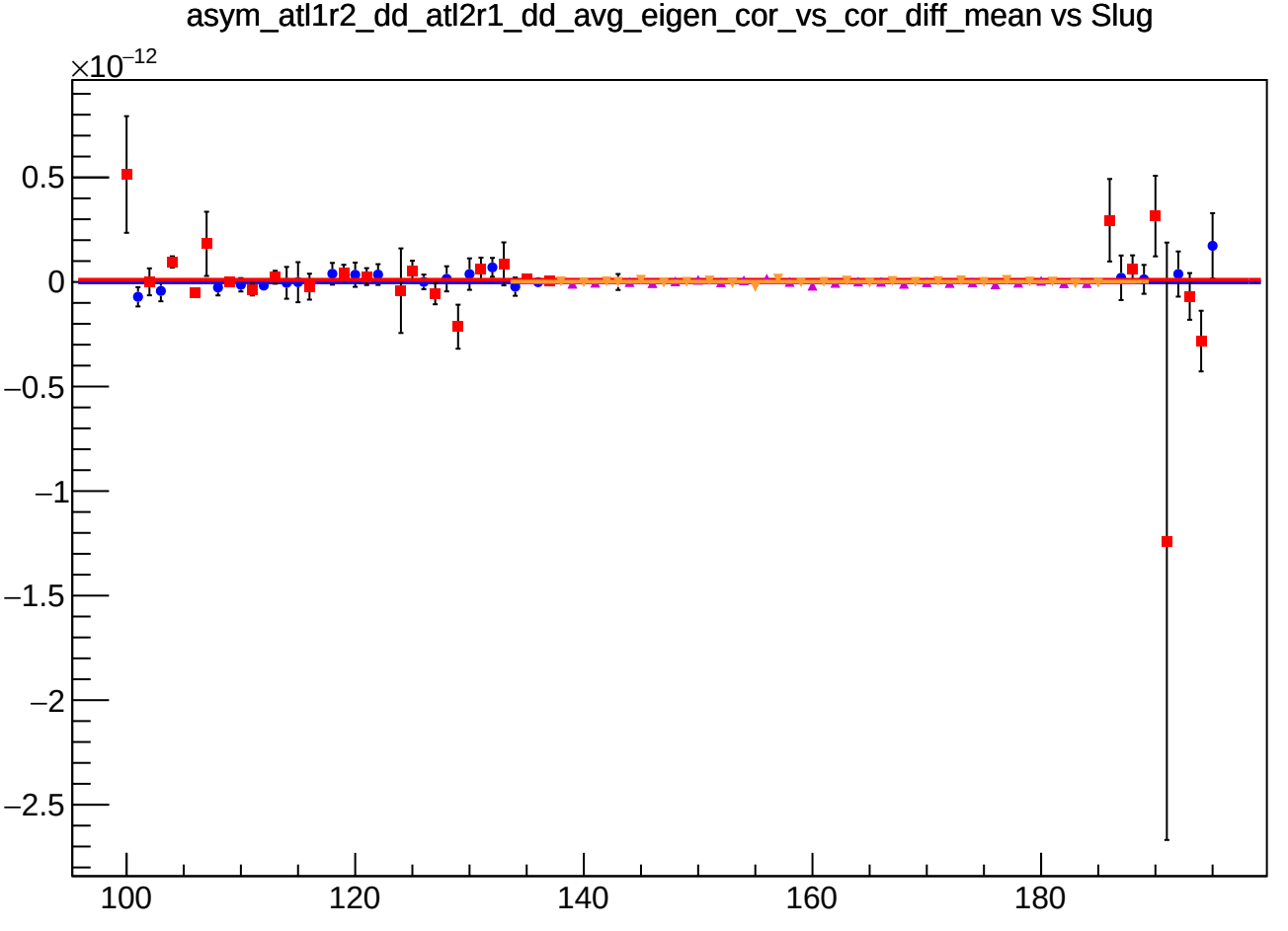
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.378+/-0.006 χ^2/NDF: 13910363.1/44

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

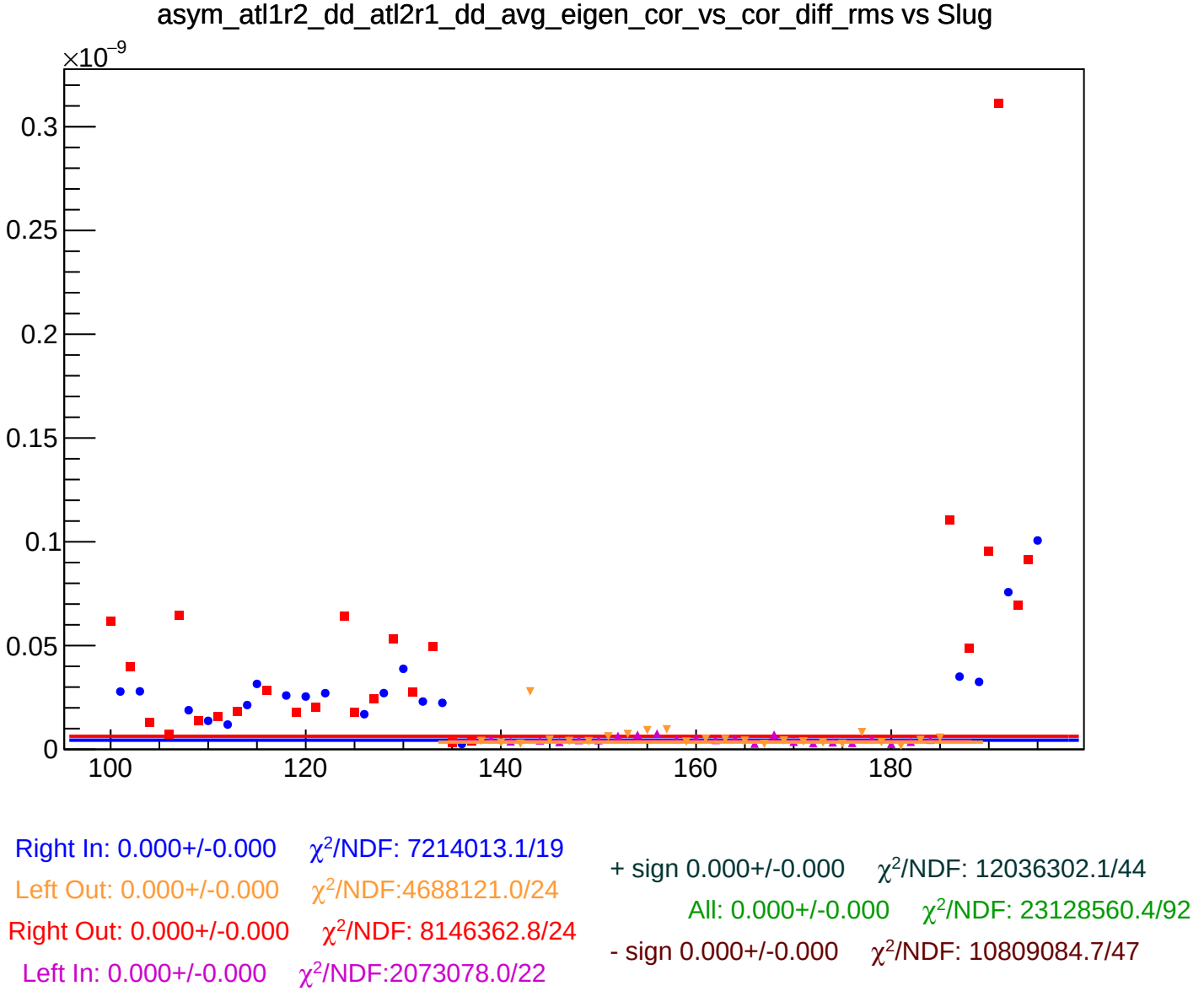
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

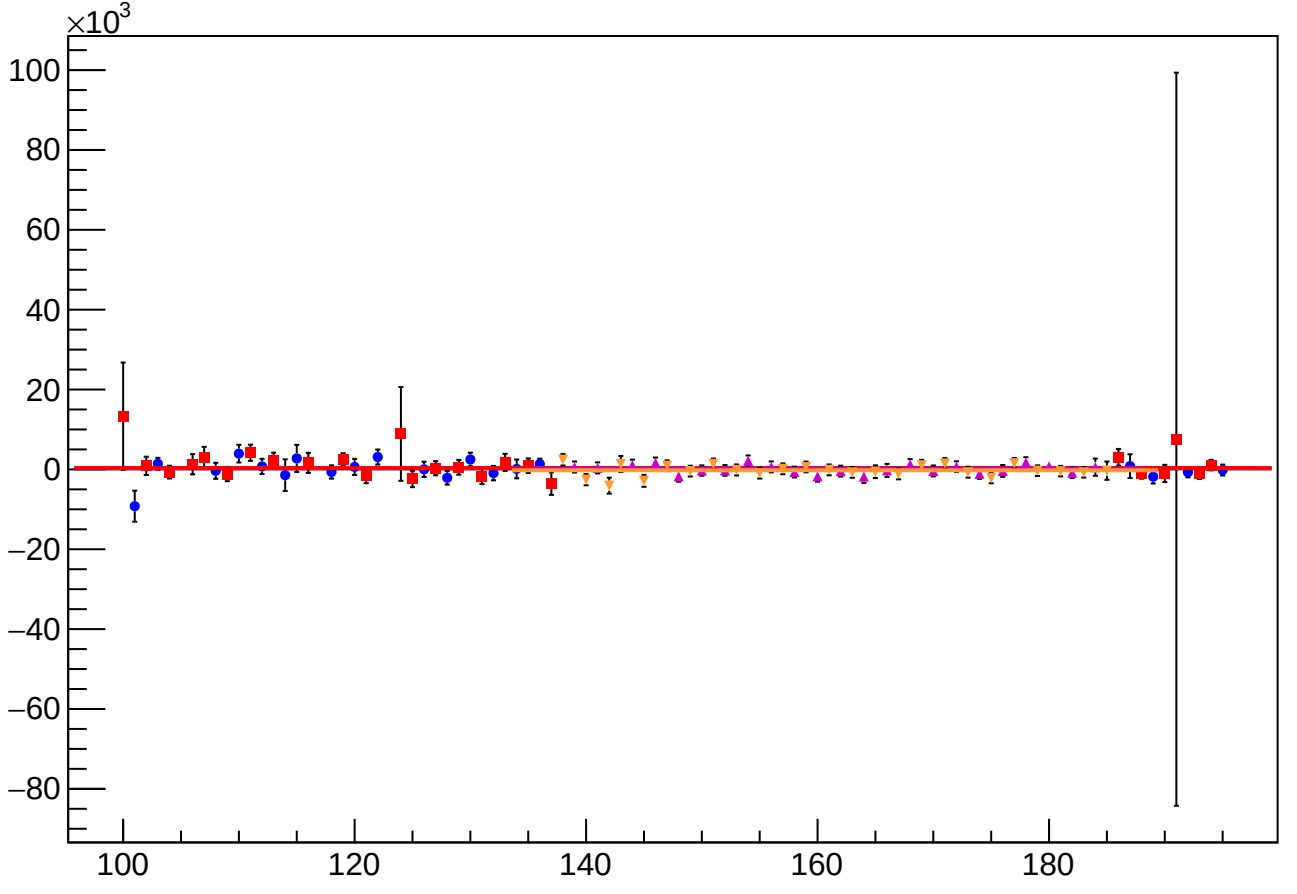
+ sign 0.000+/-0.000 χ^2/NDF: 28.7/44

All: 0.000+/-0.000 χ^2/NDF: 116.3/92

- sign -0.000+/-0.000 χ^2/NDF: 86.5/47


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 7214013.1/19
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8146362.8/24
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 12036302.1/44
All: 0.000+/-0.000 χ²/NDF: 23128560.4/92
- sign 0.000+/-0.000 χ²/NDF: 10809084.7/47

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: 336.374+/-396.306 χ^2/NDF: 21.0/24

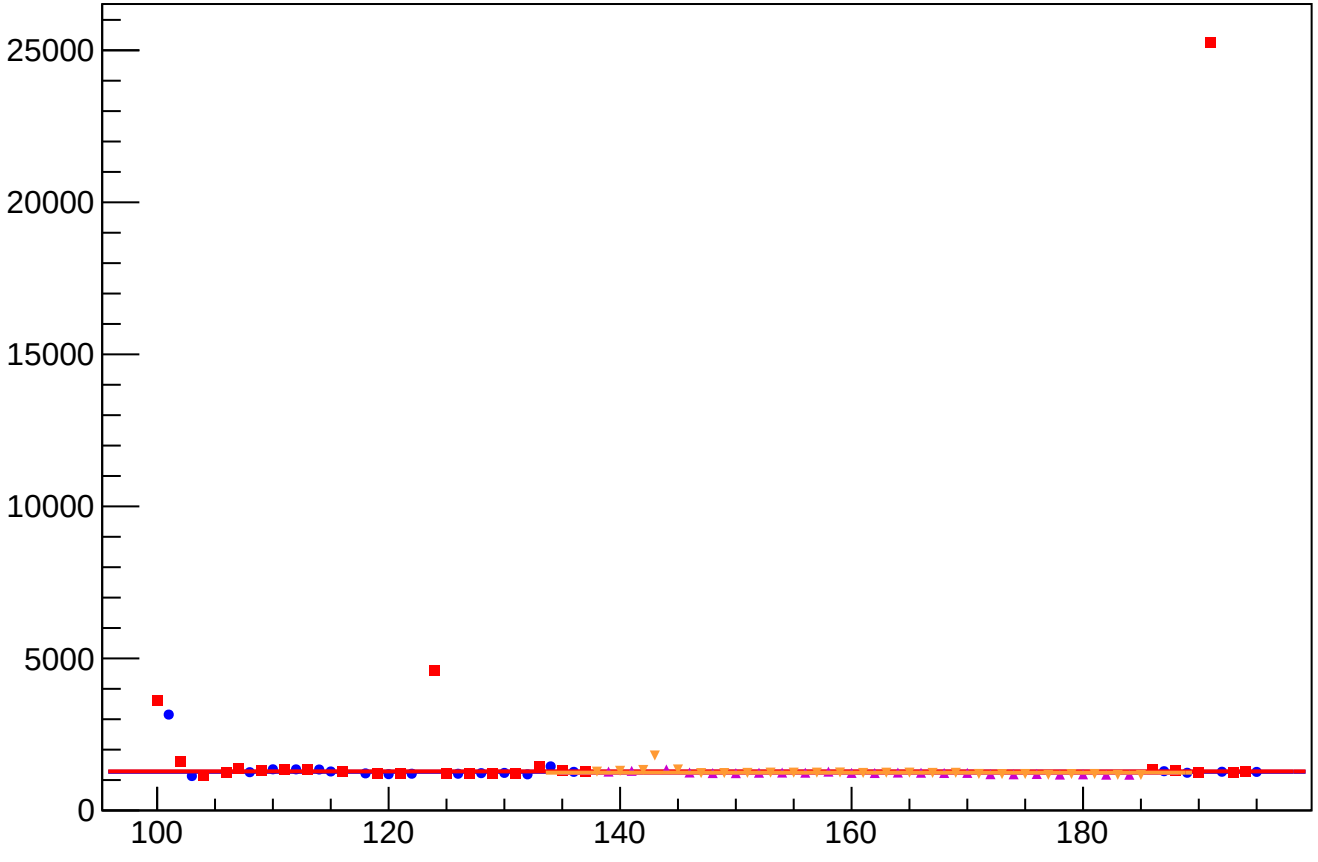
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -69.941+/-233.244 χ^2/NDF: 44.5/44

All: 53.510+/-164.875 χ^2/NDF: 81.0/92

- sign 176.801+/-233.093 χ^2/NDF: 35.9/47

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

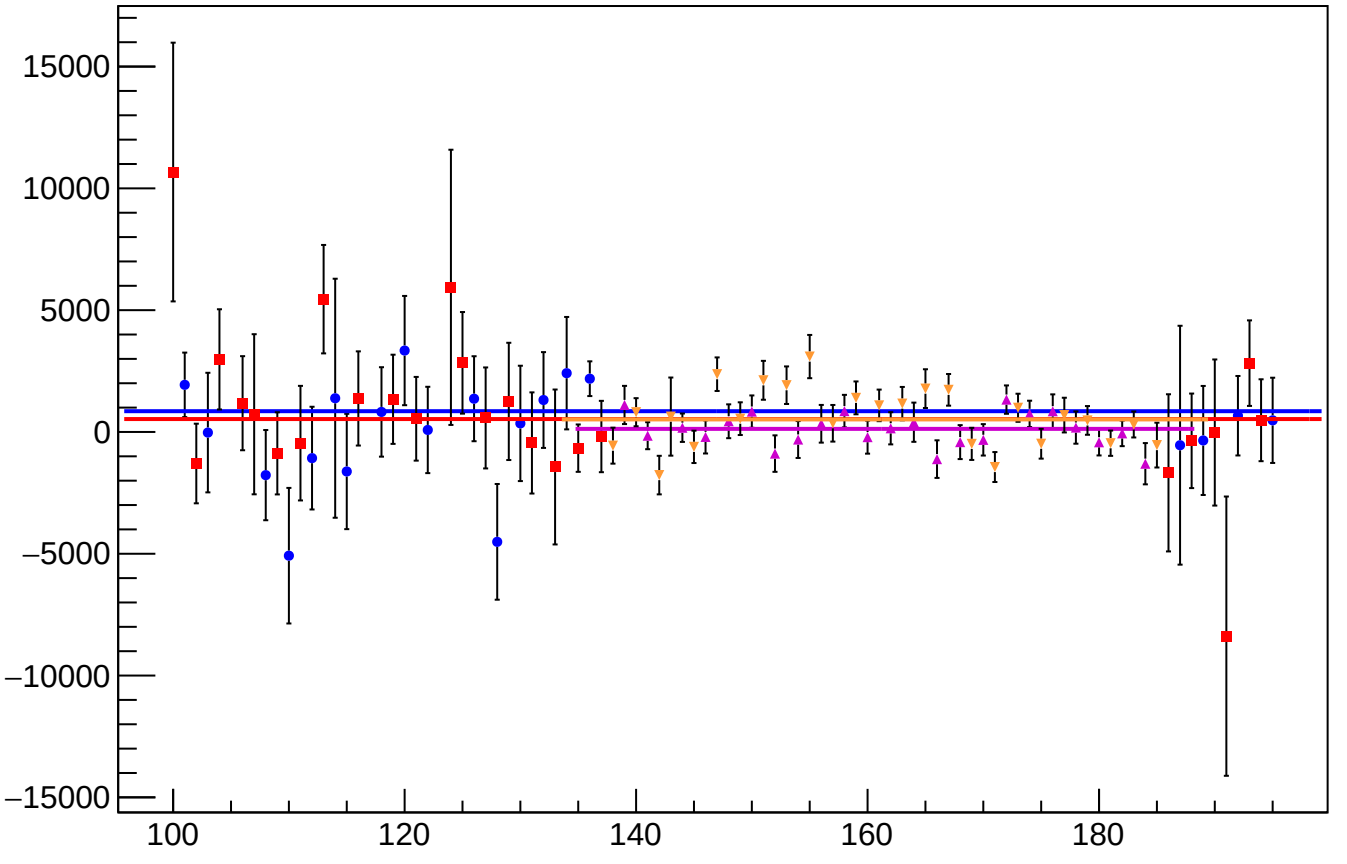
Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729679.4/44

All: 1251.734+/-0.117 χ^2/NDF: 1259106.1/92

- sign 1251.660+/-0.165 χ^2/NDF: 529426.3/47



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: 529.973+/-396.869 χ^2/NDF: 22.0/24

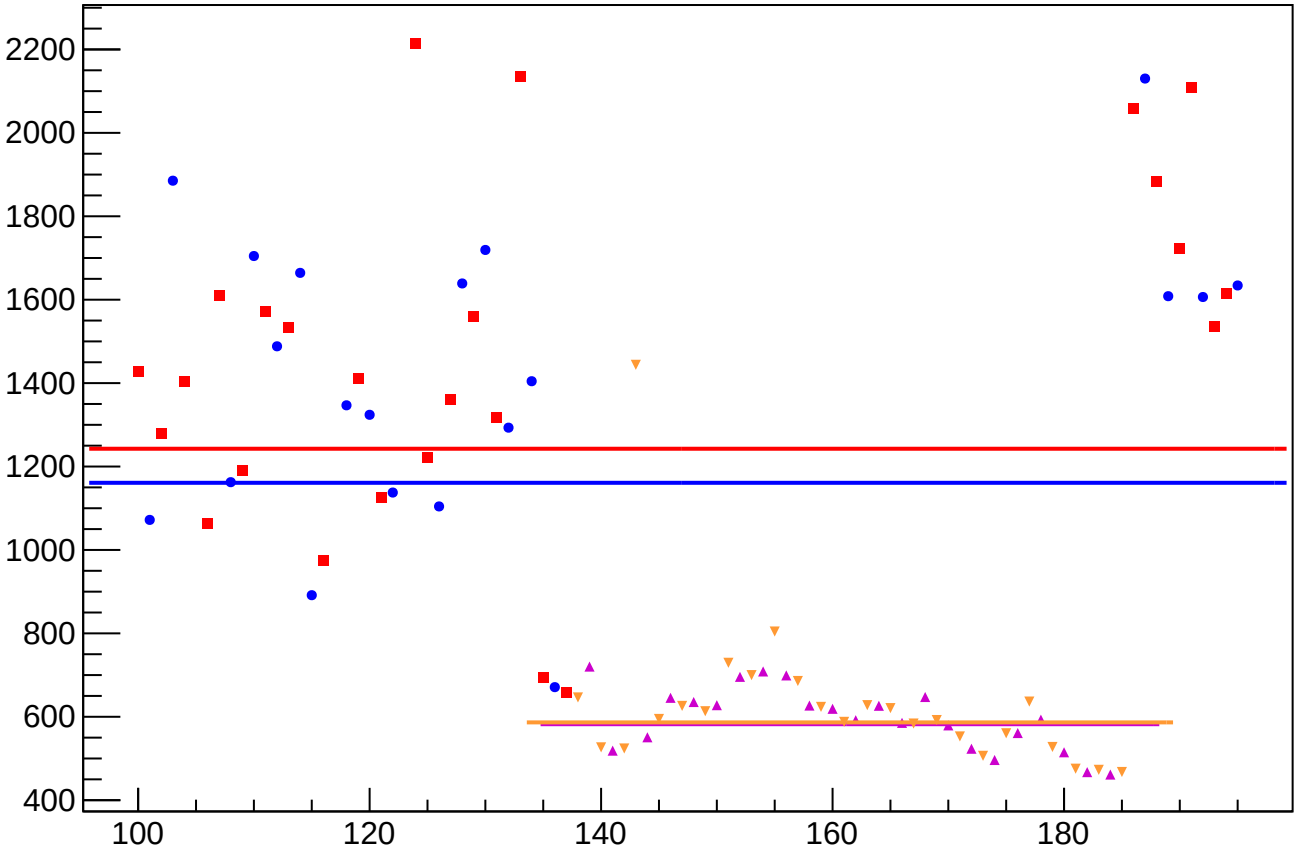
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.526+/-128.325 χ^2/NDF: 88.1/44

All: 363.177+/-91.231 χ^2/NDF: 136.9/92

- sign 169.671+/-129.726 χ^2/NDF: 44.5/47

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

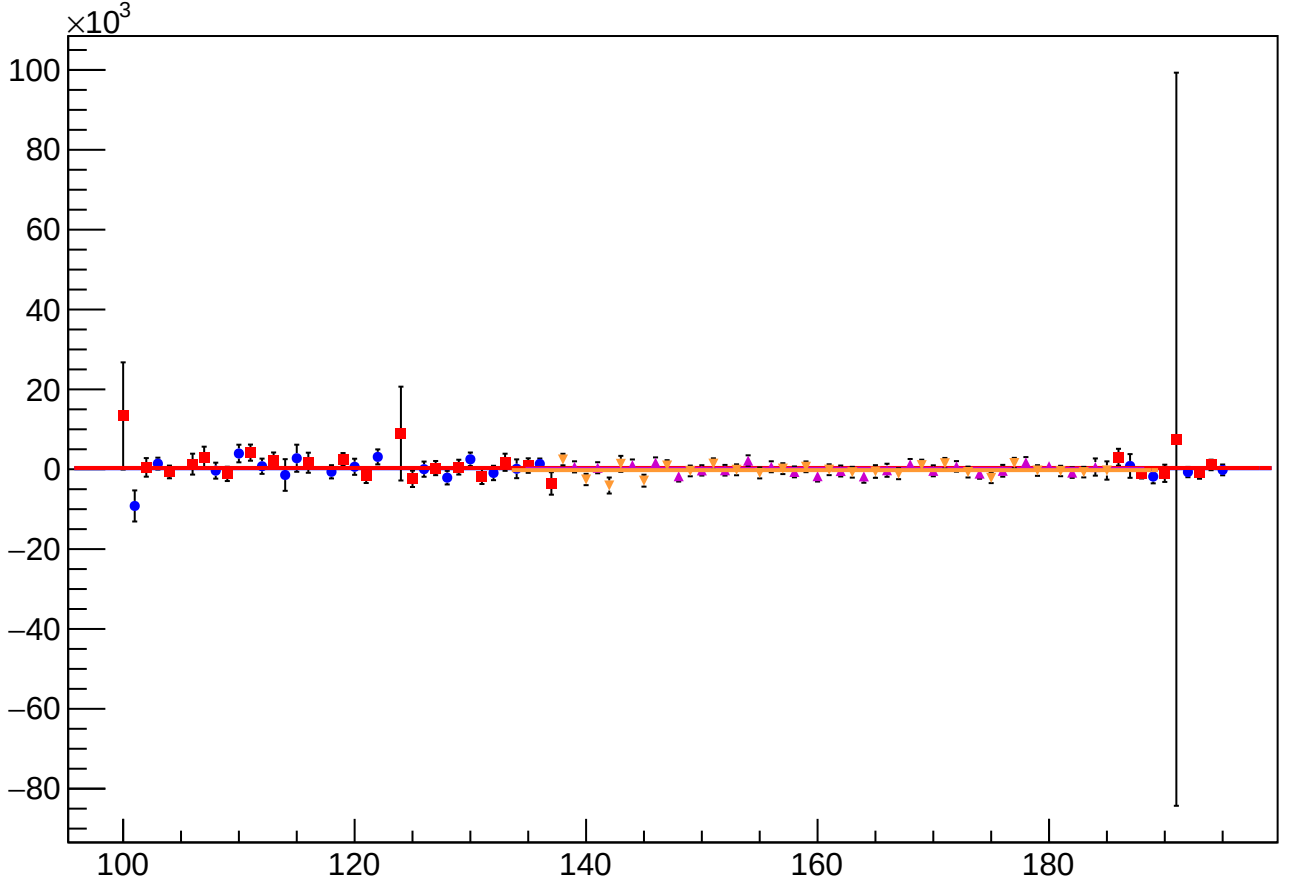
Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 647.648+/-0.091 χ^2/NDF: 7021324.1/44

All: 650.176+/-0.065 χ^2/NDF: 14539169.8/92

- sign 652.759+/-0.092 χ^2/NDF: 7516276.5/47



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: 322.039+/-396.764 χ^2/NDF: 20.9/24

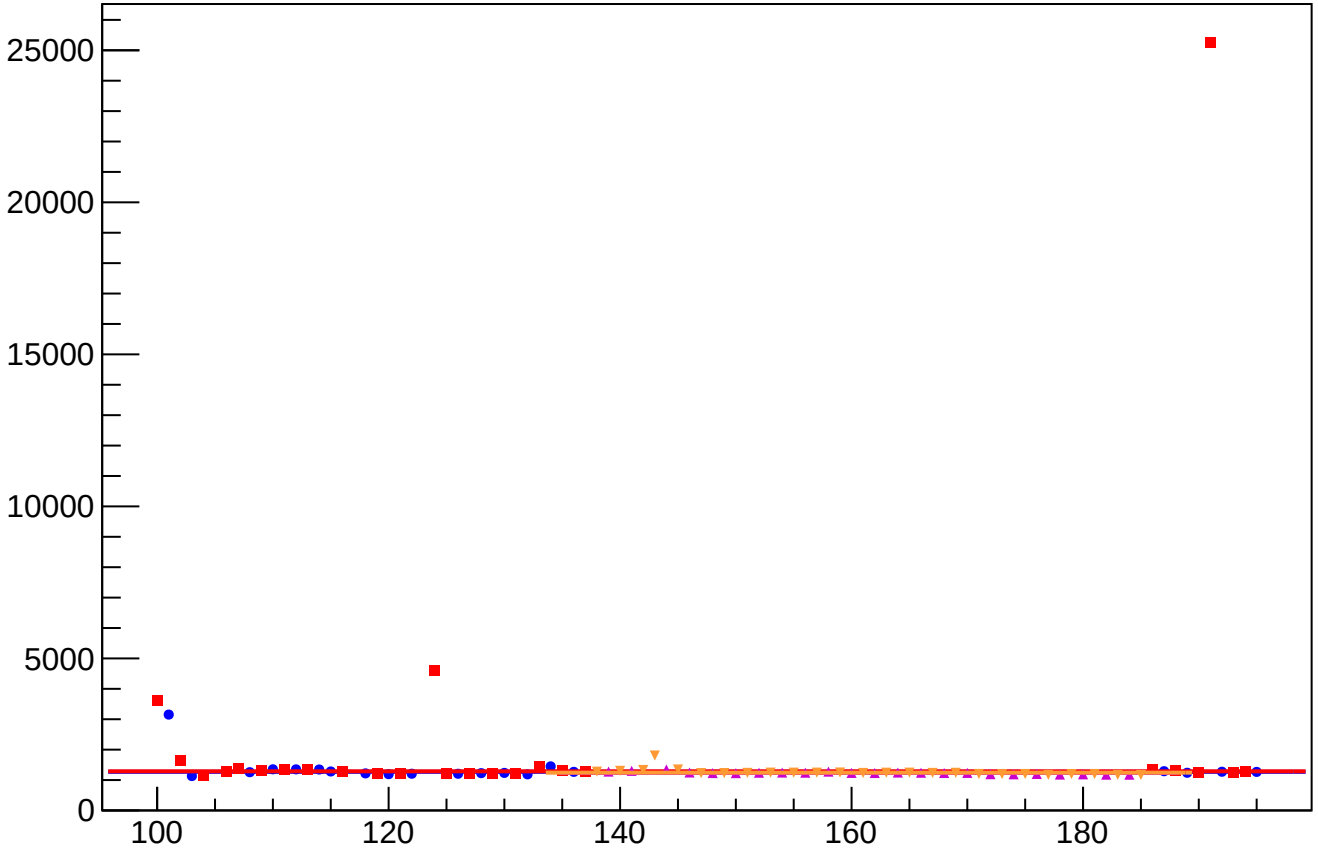
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 50.969+/-164.908 χ^2/NDF: 80.9/92

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

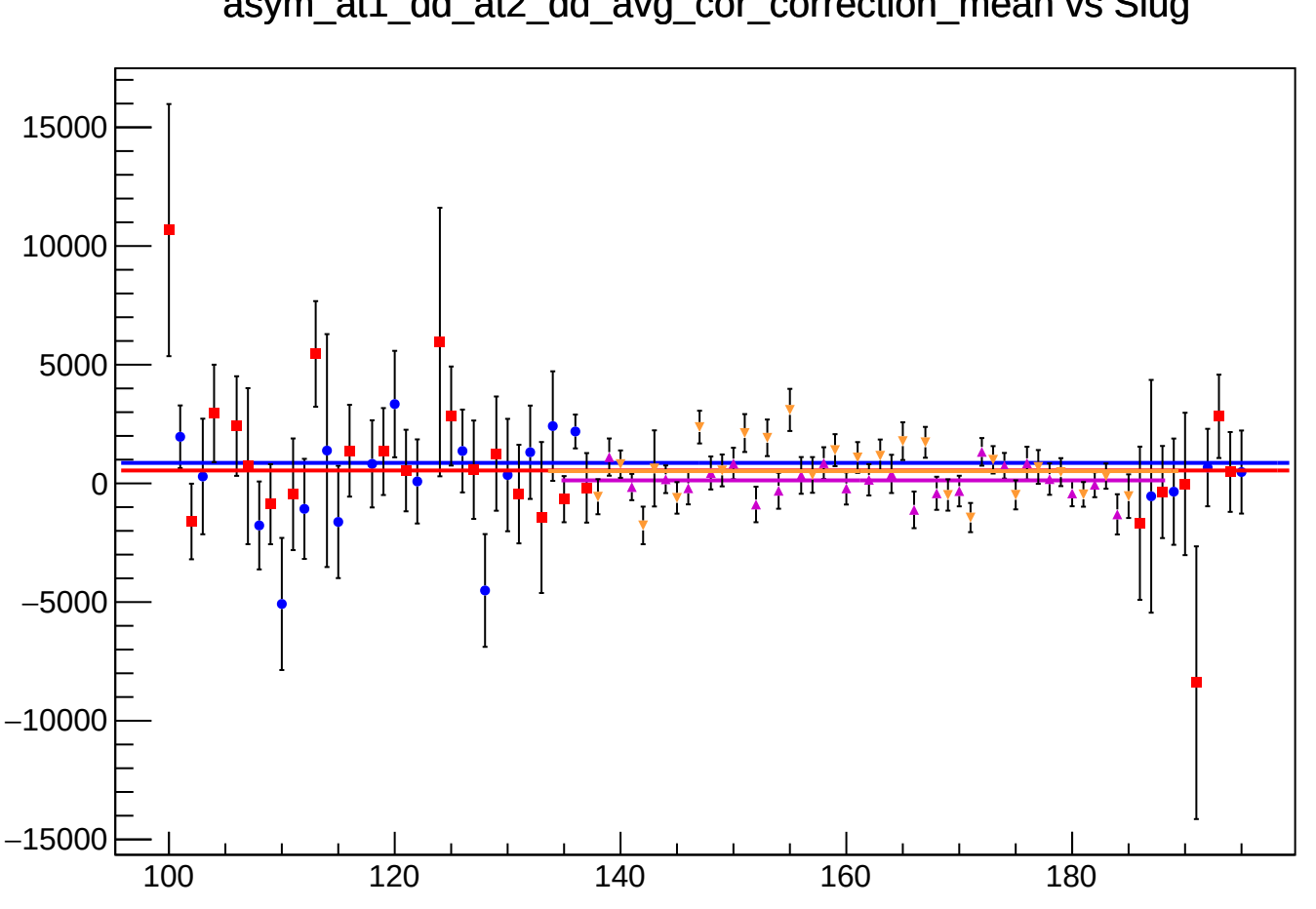
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

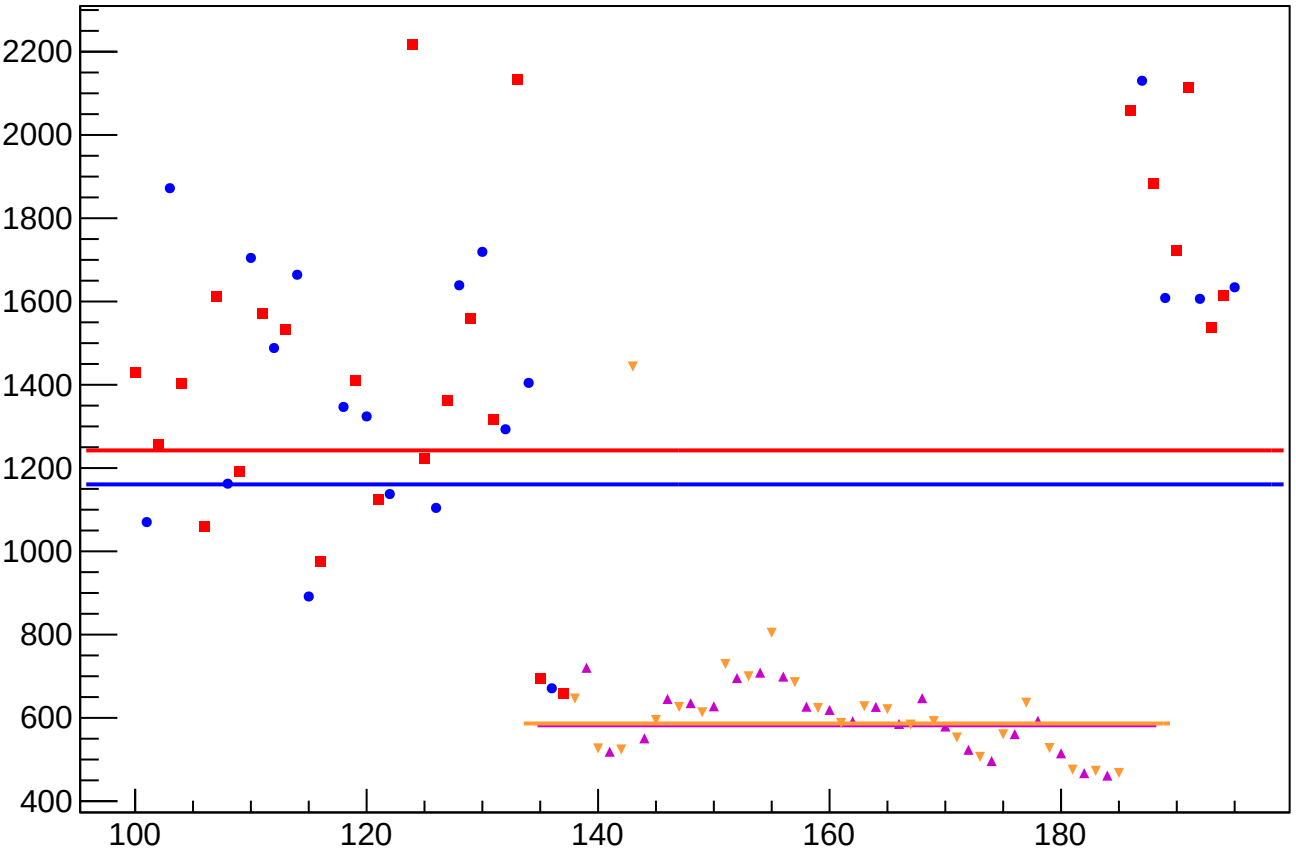
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 364.484+/-91.237 χ^2/NDF: 138.2/92

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

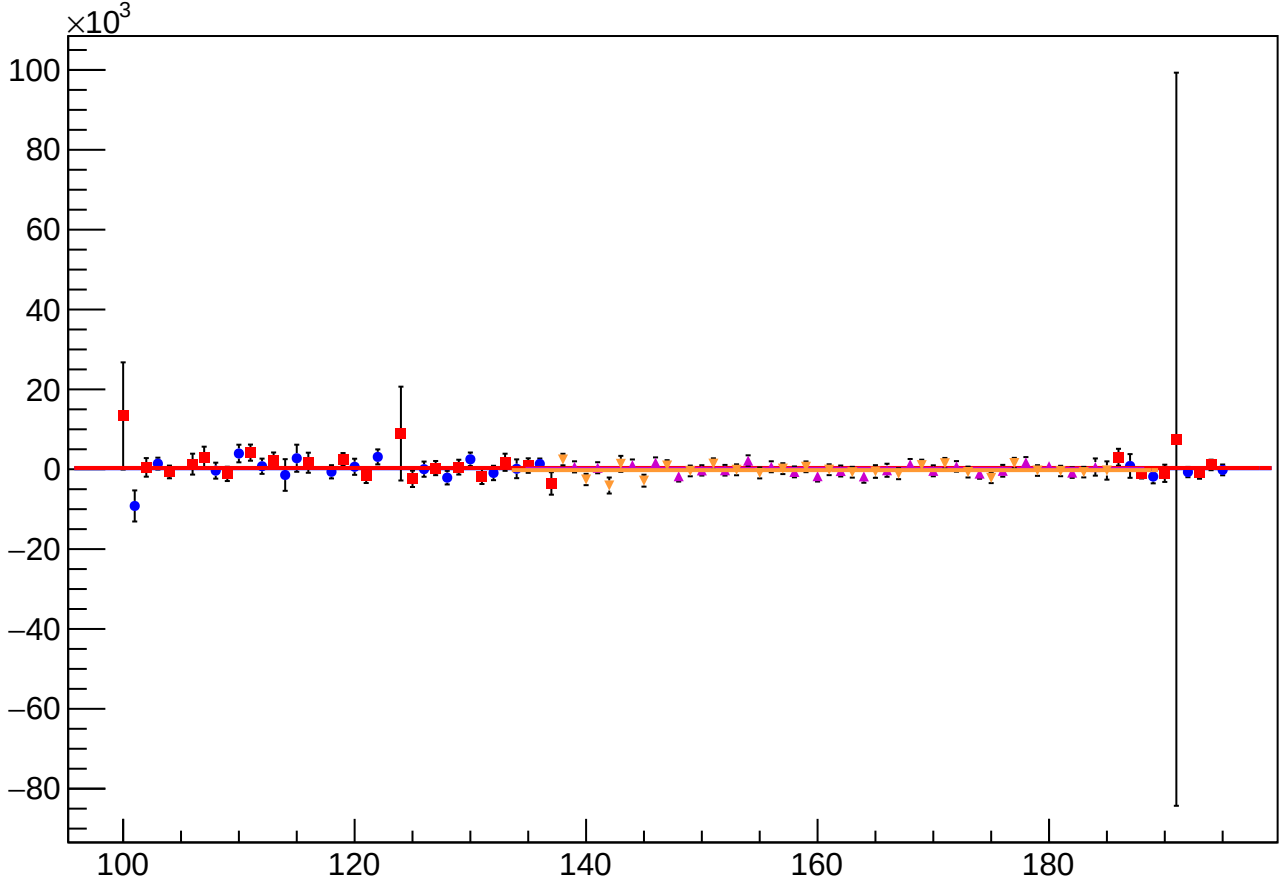
Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47



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: 322.039+/-396.764 χ^2/NDF: 20.9/24

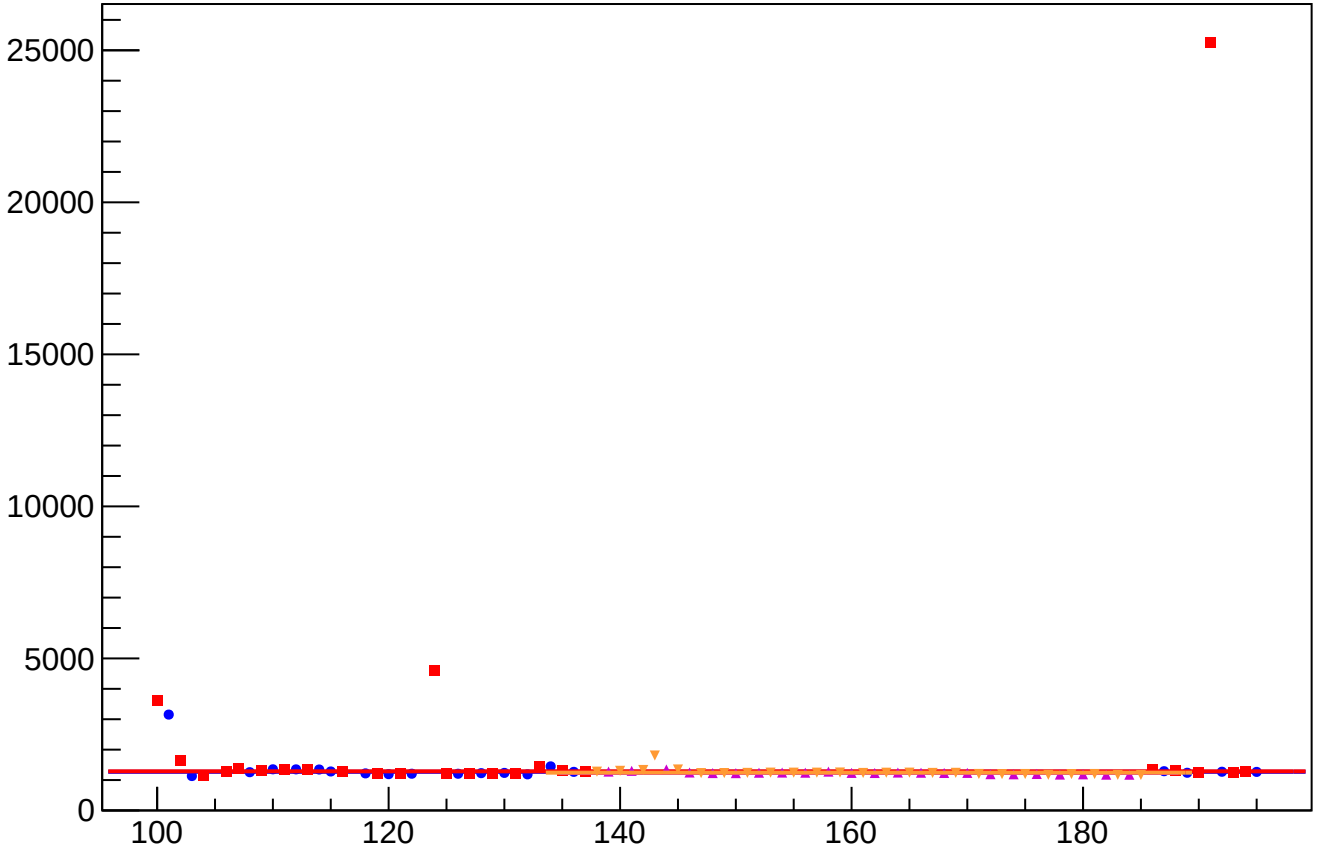
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -69.890+/-233.244 χ^2/NDF: 44.5/44

All: 50.969+/-164.908 χ^2/NDF: 80.9/92

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

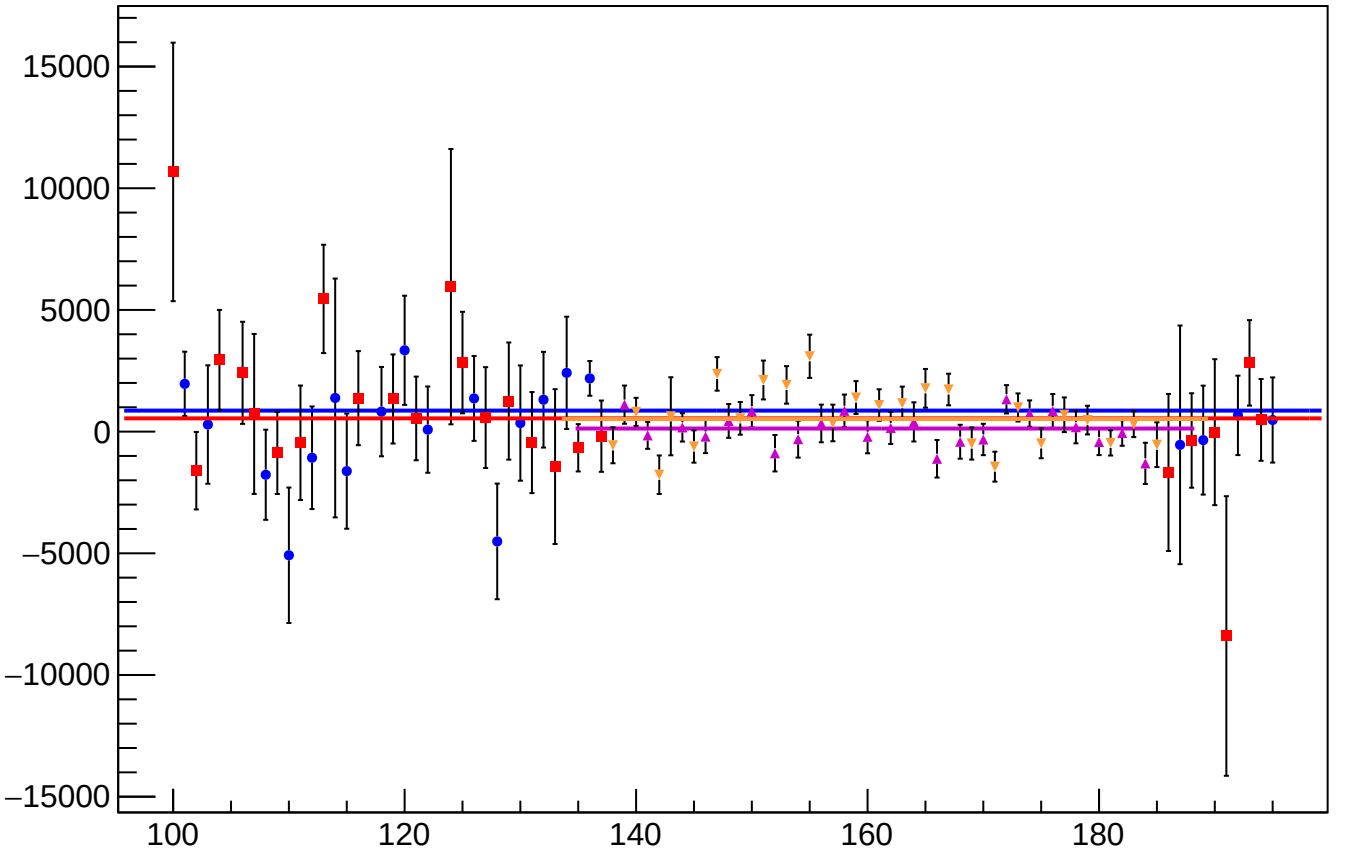
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.808+/-0.165 χ^2/NDF: 729680.7/44

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

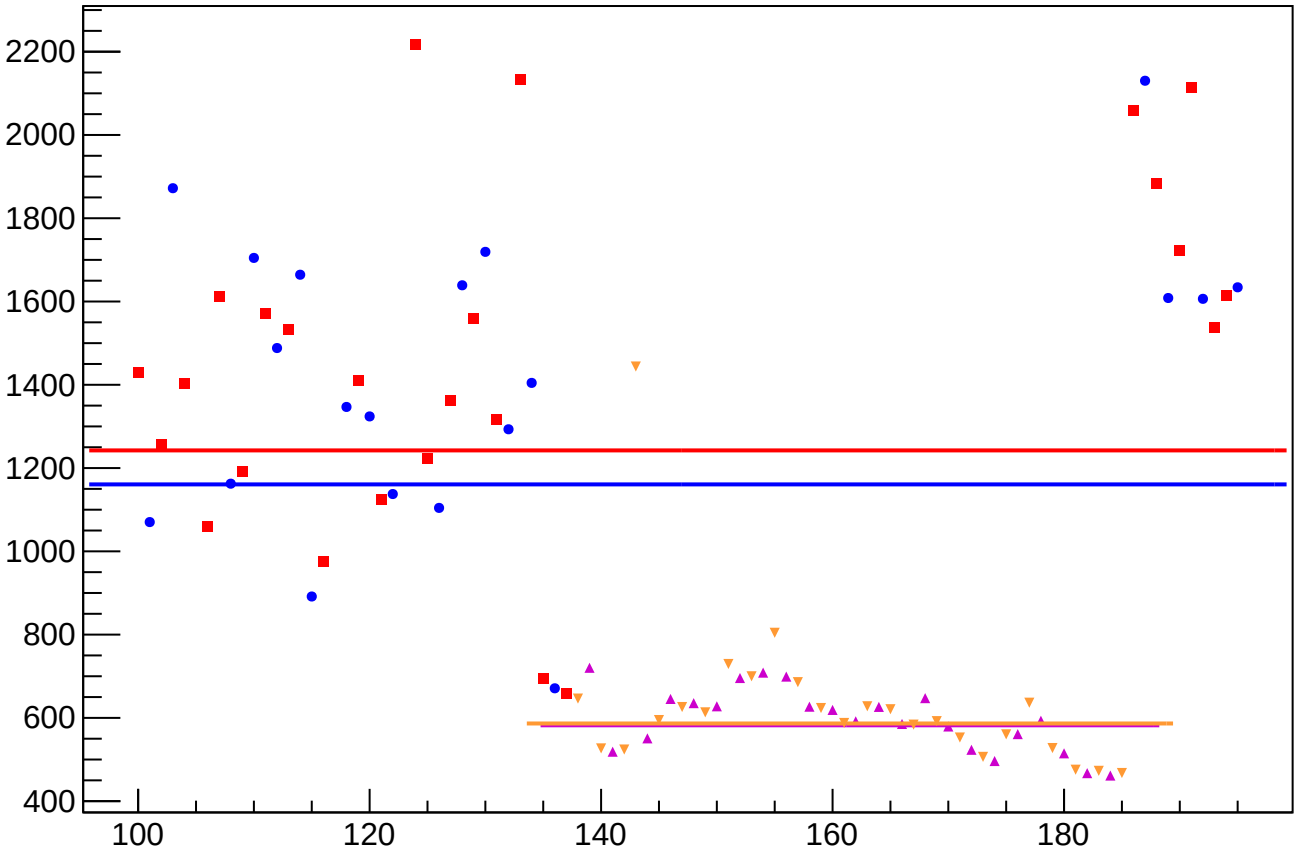
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.698+/-128.321 χ^2/NDF: 88.1/44

All: 364.484+/-91.237 χ^2/NDF: 138.2/92

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



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: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

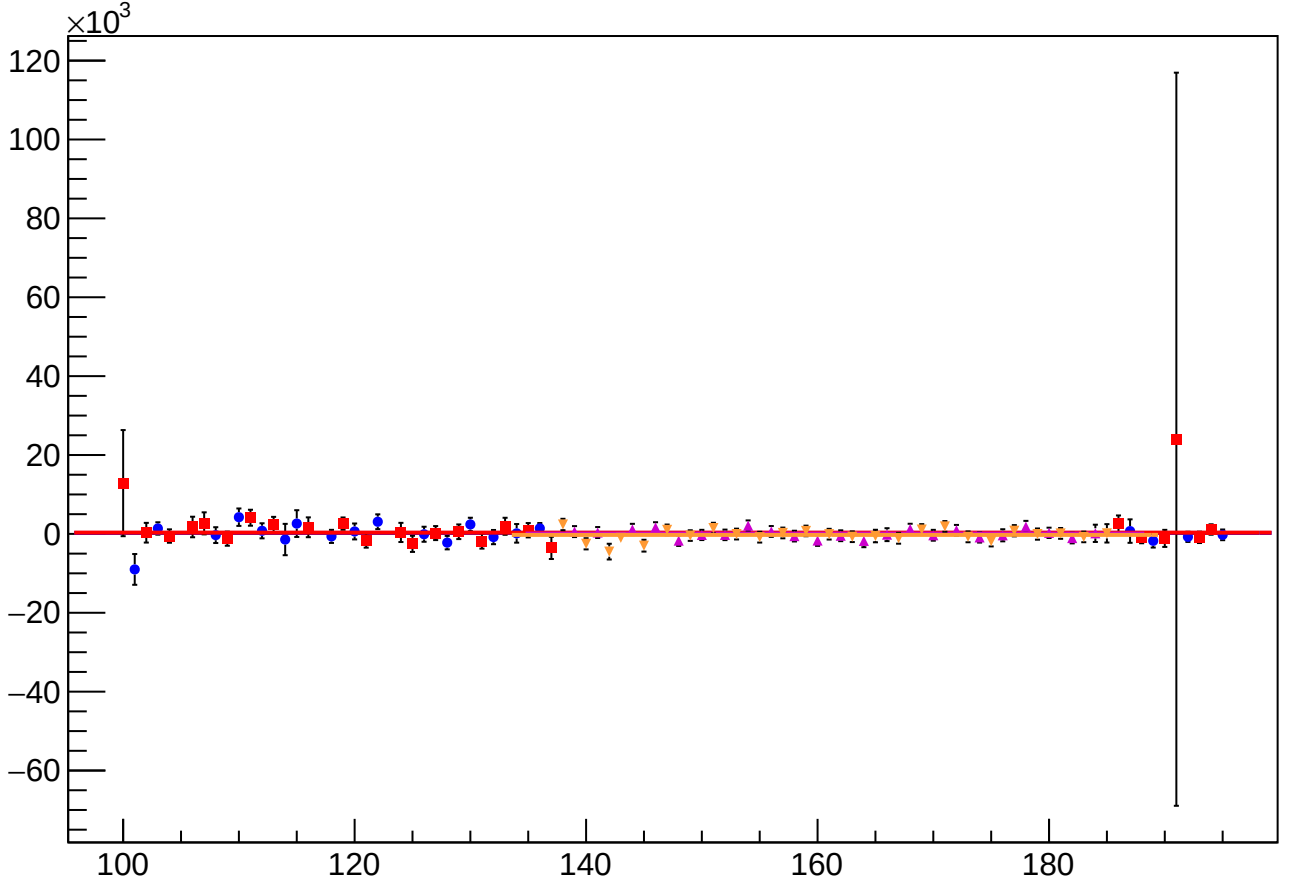
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 647.668+/-0.091 χ^2/NDF: 7017558.9/44

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47

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: 316.862+/-394.407 χ^2/NDF: 20.4/24

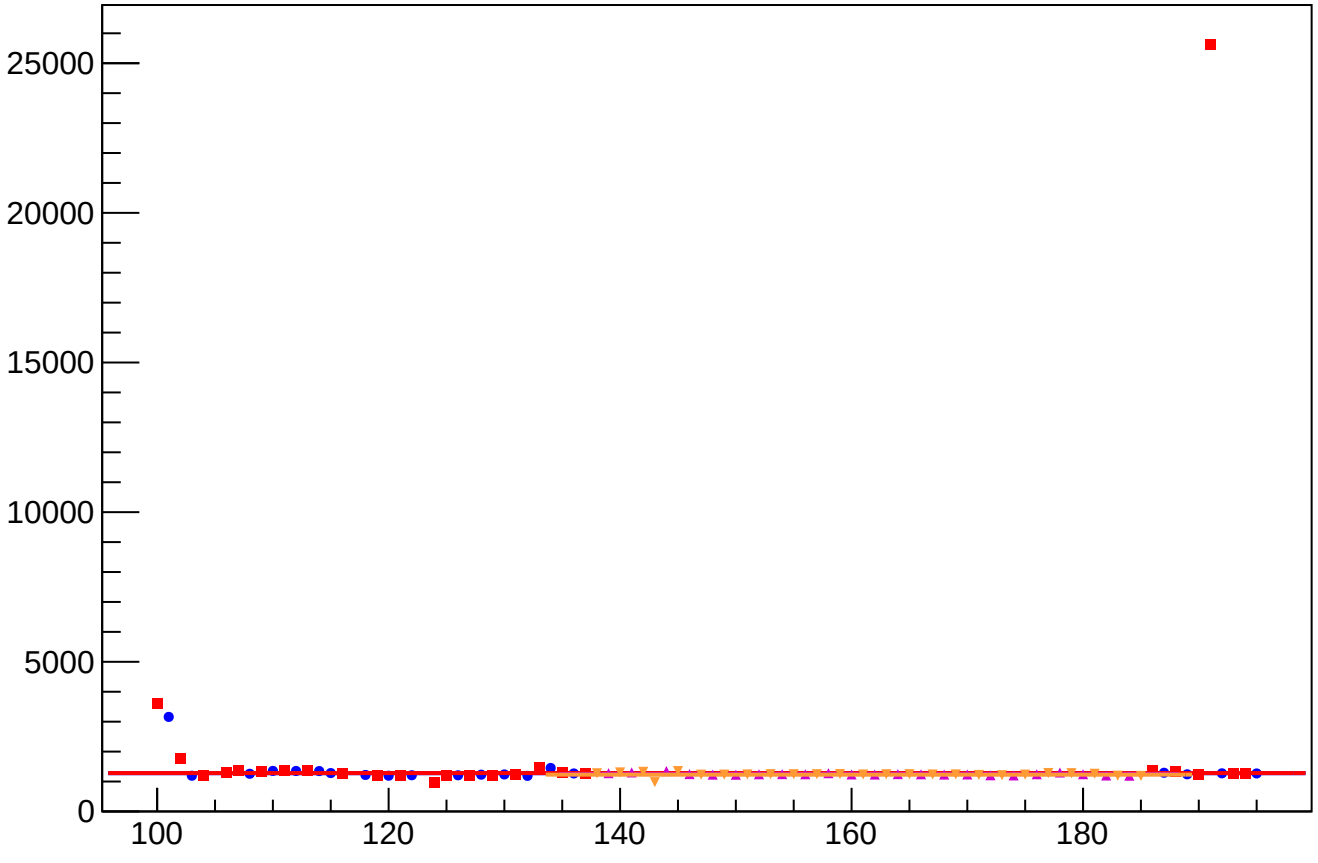
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.788+/-231.839 χ^2/NDF: 44.7/44

All: 30.369+/-164.833 χ^2/NDF: 80.0/92

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

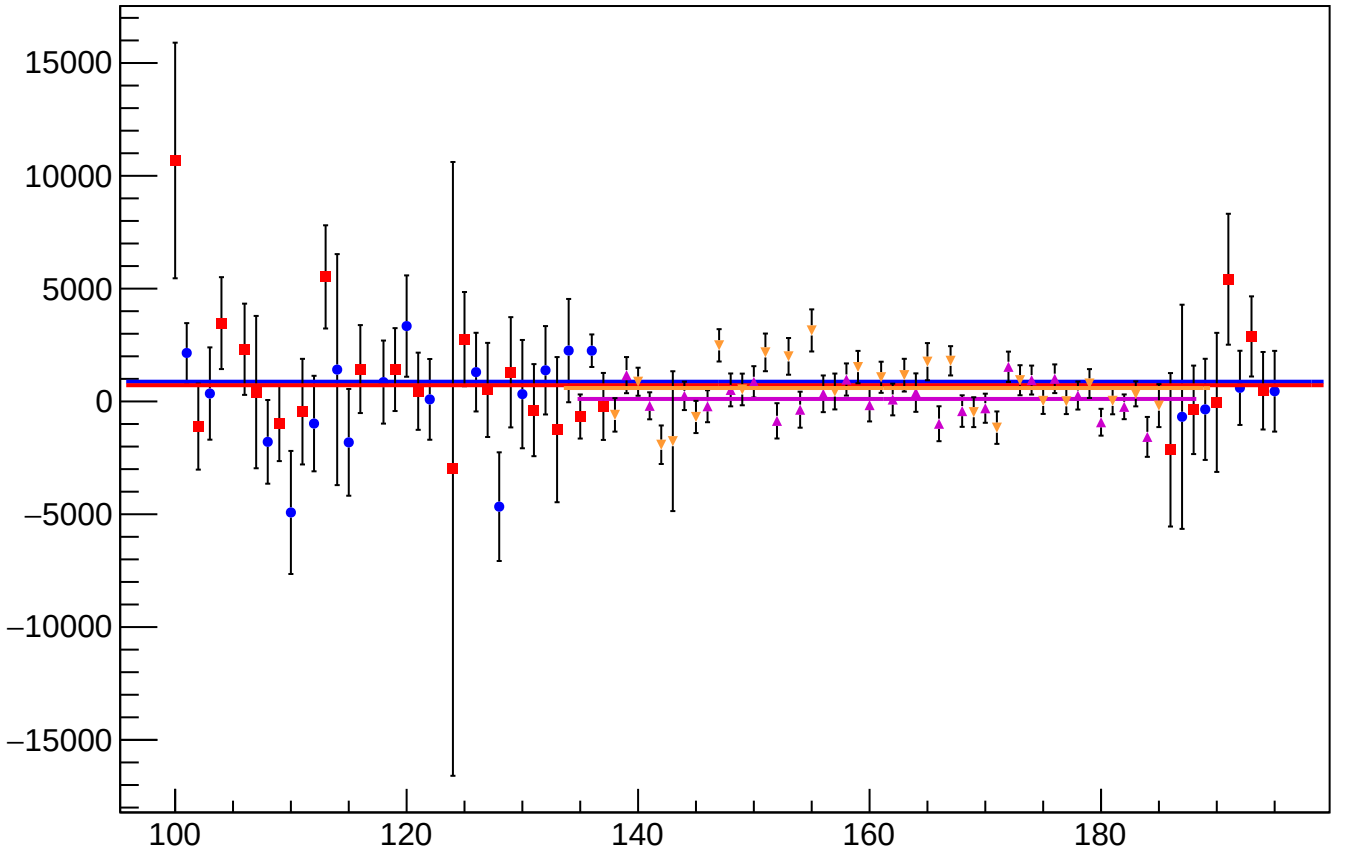
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667875.3/44

All: 1252.352+/-0.117 χ^2/NDF: 1077695.8/92

- sign 1259.991+/-0.166 χ^2/NDF: 405618.7/47



Right In: 874.661+/-393.668 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

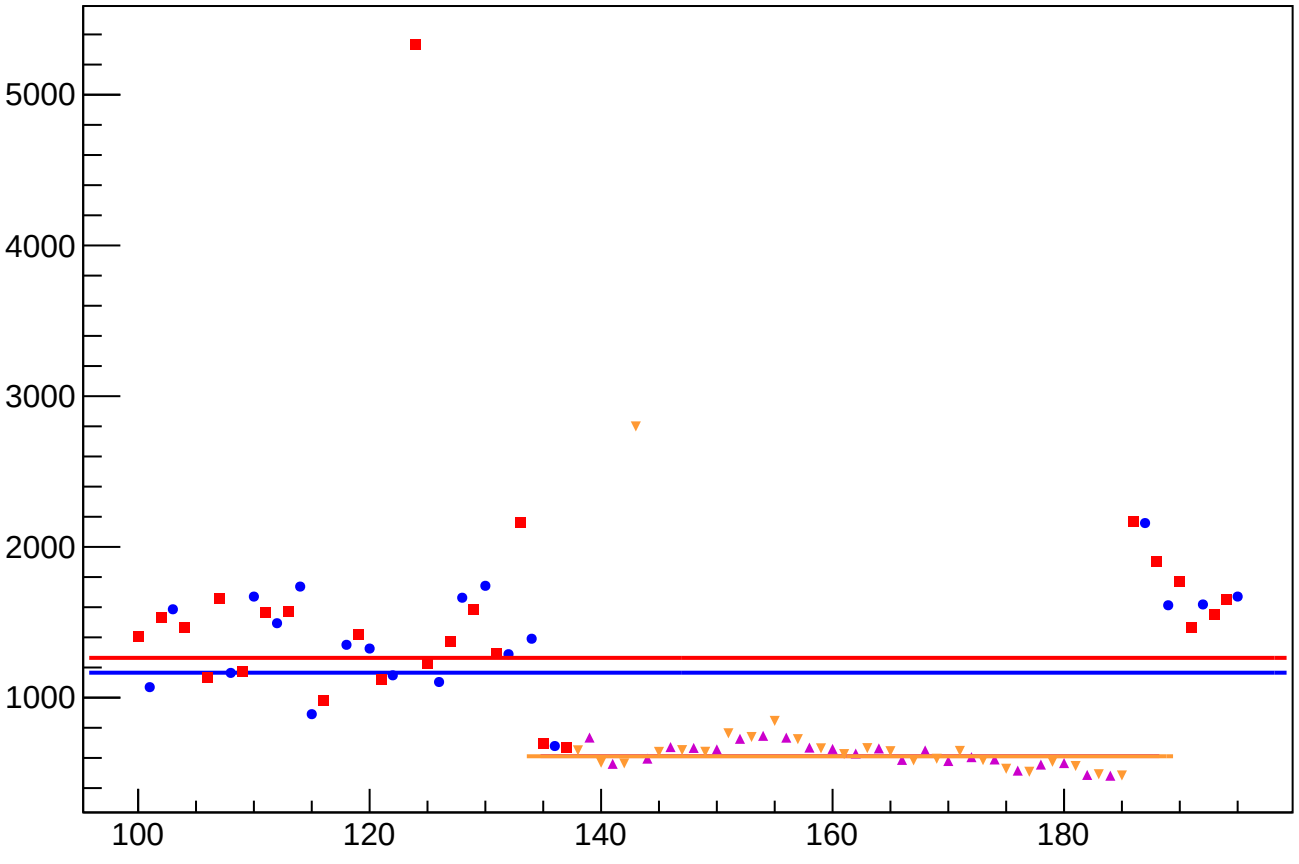
Right Out: 718.604+/-401.132 χ^2/NDF: 22.4/24

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 627.250+/-133.684 χ^2/NDF: 78.8/44

All: 406.963+/-95.242 χ^2/NDF: 134.4/92

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

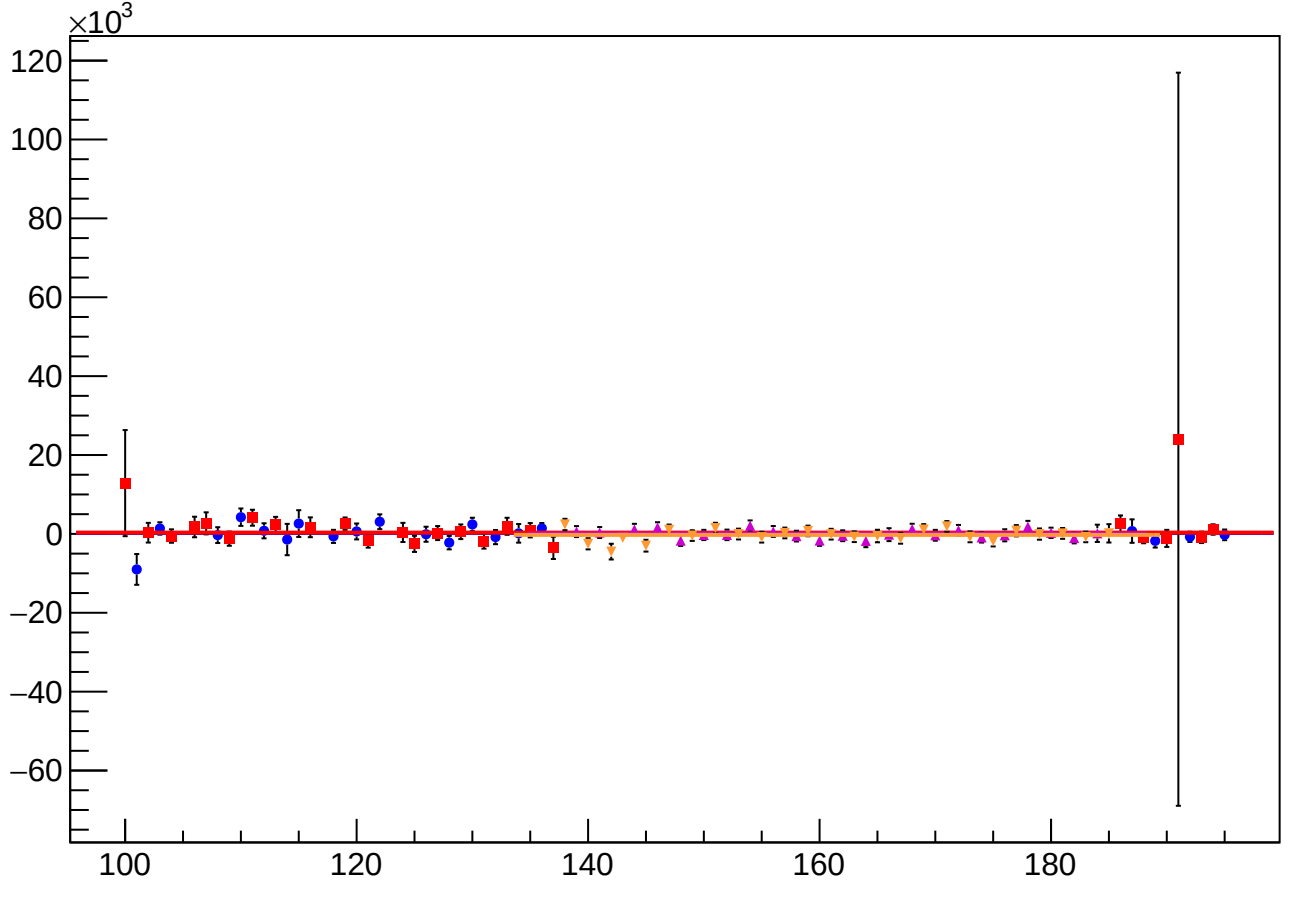
Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034613.9/44

All: 680.916+/-0.067 χ^2/NDF: 14402331.6/92

- sign 686.988+/-0.096 χ^2/NDF: 7359831.0/47



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: 316.861+/-394.407 χ^2/NDF: 20.4/24

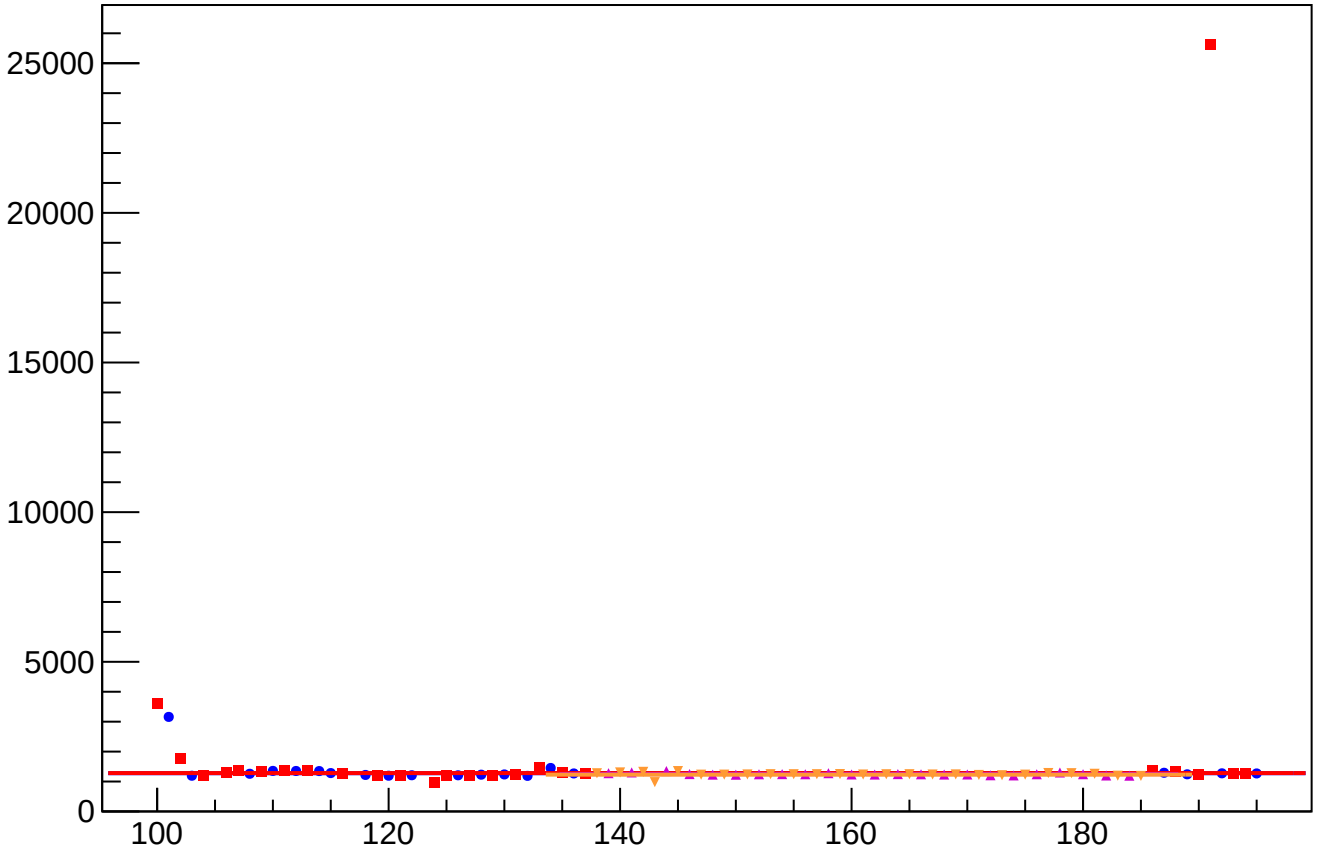
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -96.789+/-231.839 χ^2/NDF: 44.7/44

All: 30.368+/-164.833 χ^2/NDF: 80.0/92

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

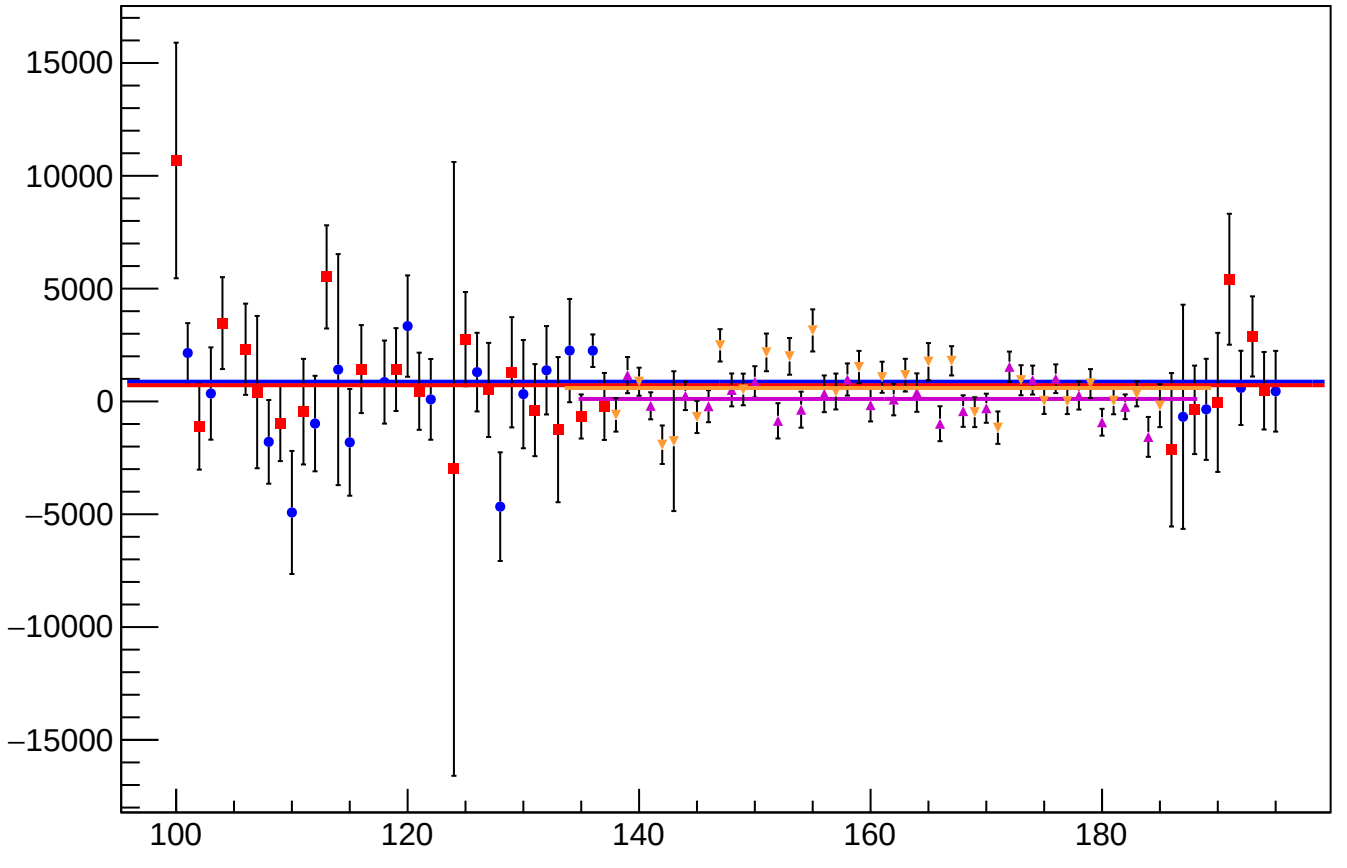
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.880+/-0.164 χ^2/NDF: 667874.5/44

All: 1252.352+/-0.117 χ^2/NDF: 1077694.8/92

- sign 1259.991+/-0.166 χ^2/NDF: 405618.6/47



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

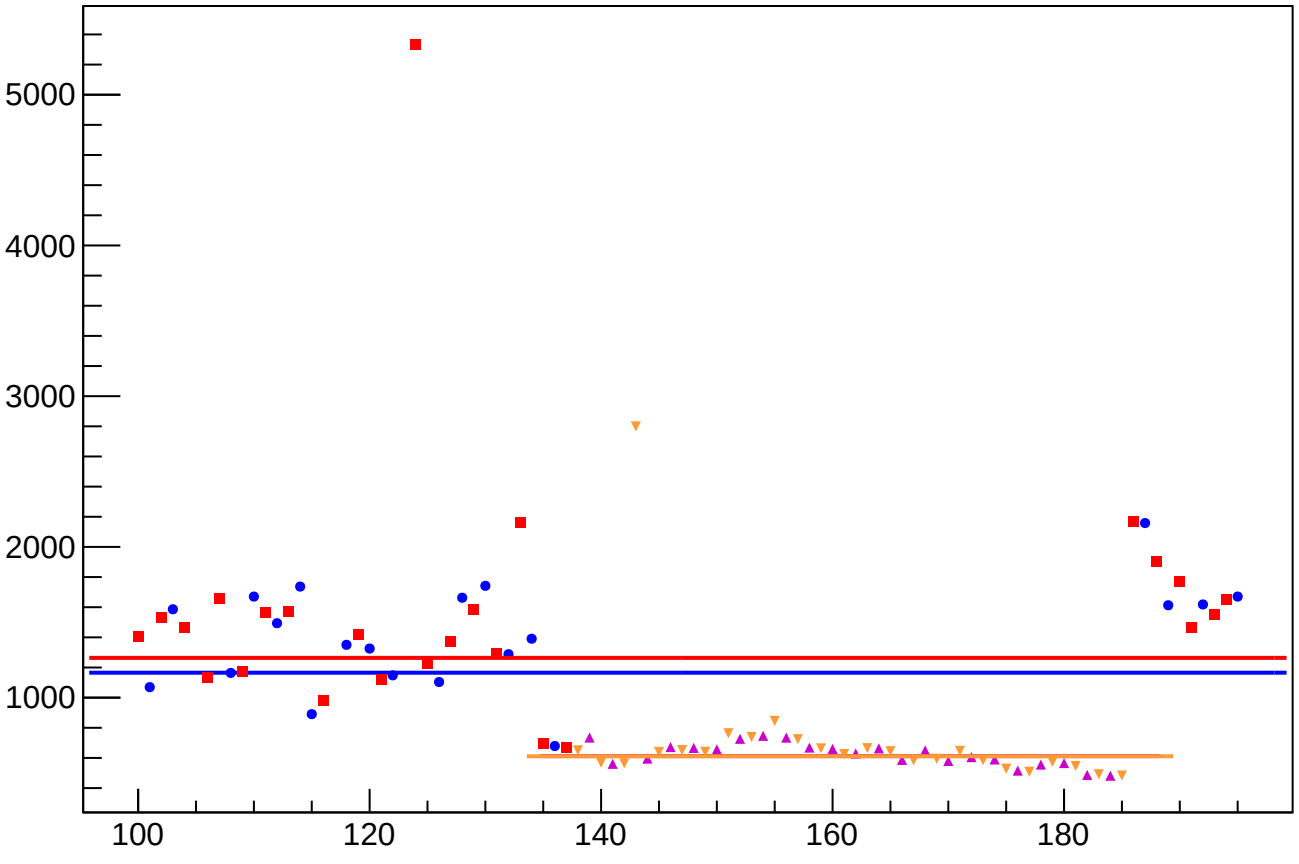
Right Out: 718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 627.249+/-133.684 χ^2/NDF: 78.8/44

All: 406.963+/-95.242 χ^2/NDF: 134.4/92

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



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: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

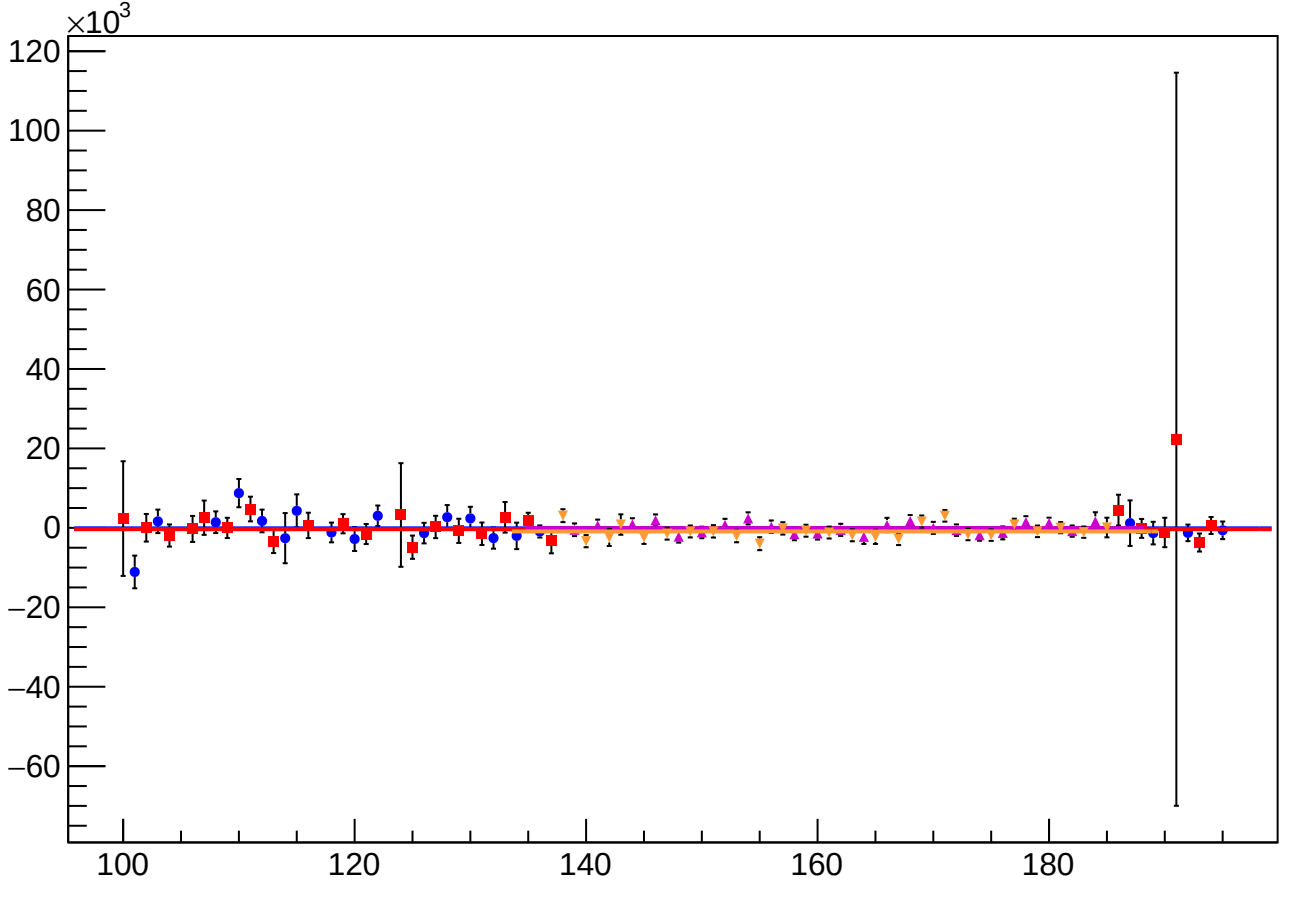
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 675.025+/-0.095 χ^2/NDF: 7034598.8/44

All: 680.915+/-0.067 χ^2/NDF: 14402321.1/92

- sign 686.987+/-0.096 χ^2/NDF: 7359836.3/47

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: -335.810+/-600.826 χ^2/NDF: 14.4/24

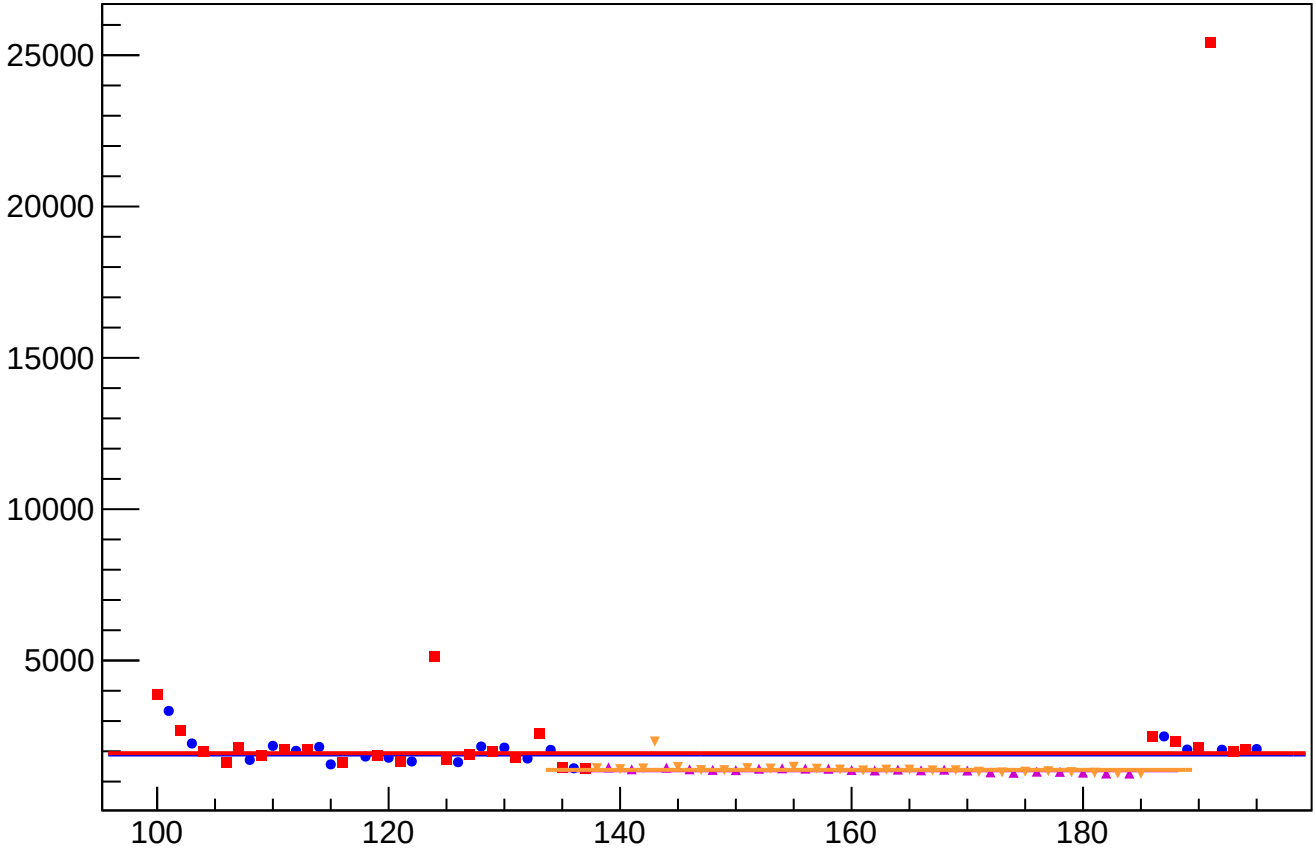
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -738.869+/-281.488 χ^2/NDF: 53.0/44

All: -427.212+/-199.602 χ^2/NDF: 87.9/92

- sign -112.026+/-283.077 χ^2/NDF: 32.4/47

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

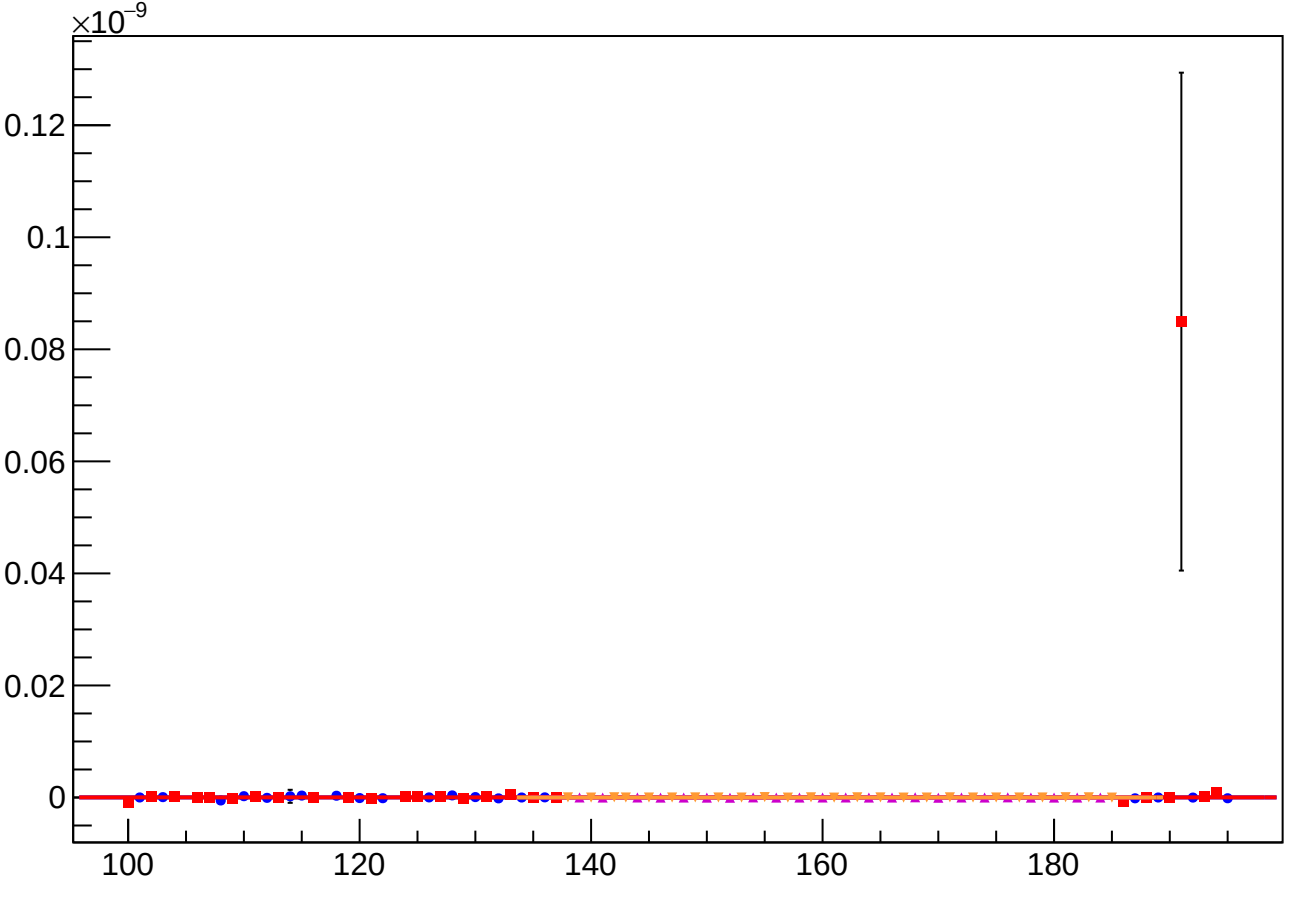
Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1492.667+/-0.199 χ^2/NDF: 2033528.1/44

All: 1495.575+/-0.141 χ^2/NDF: 4254919.7/92

- sign 1498.517+/-0.200 χ^2/NDF: 2220962.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

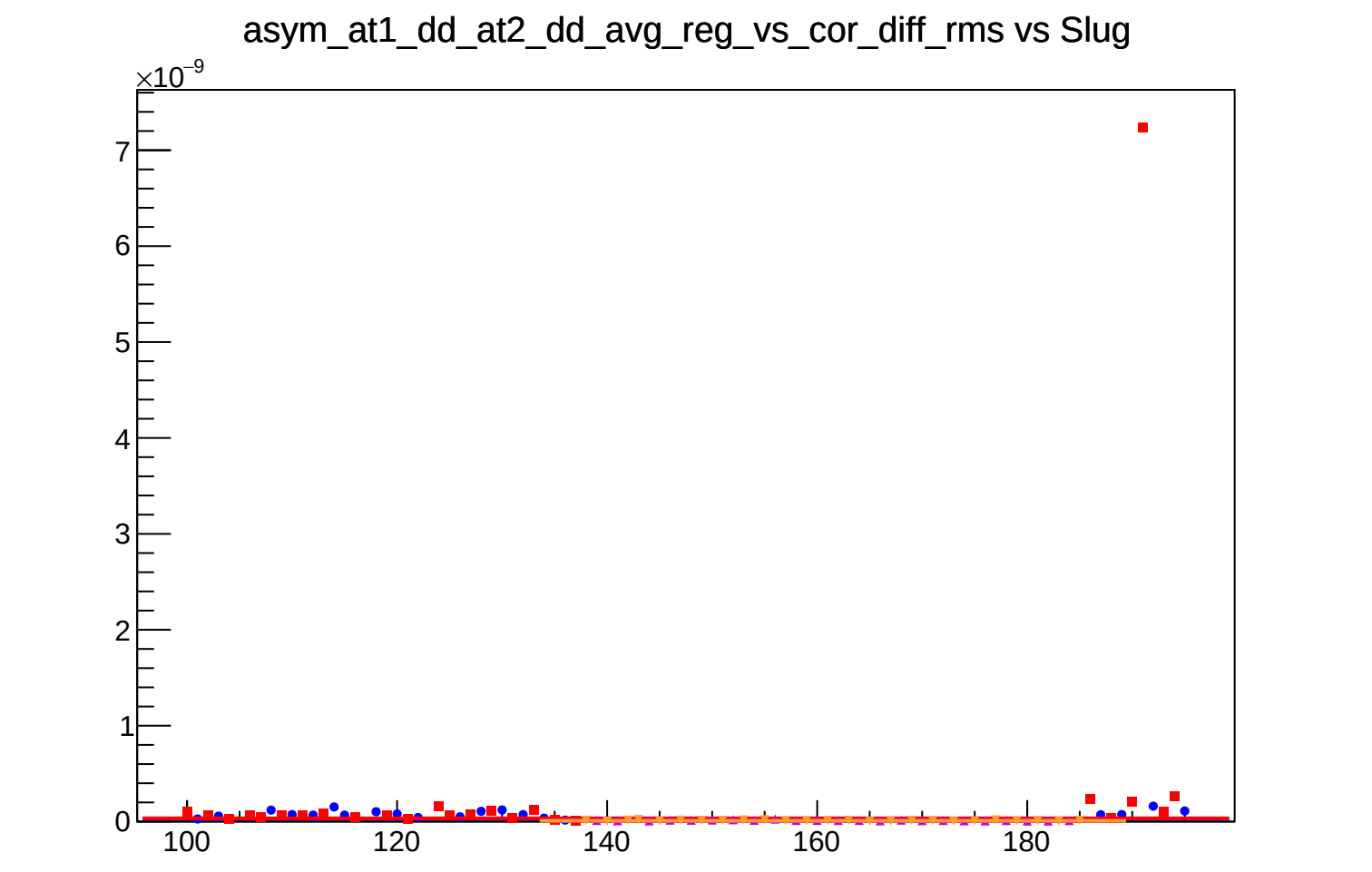
Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/24

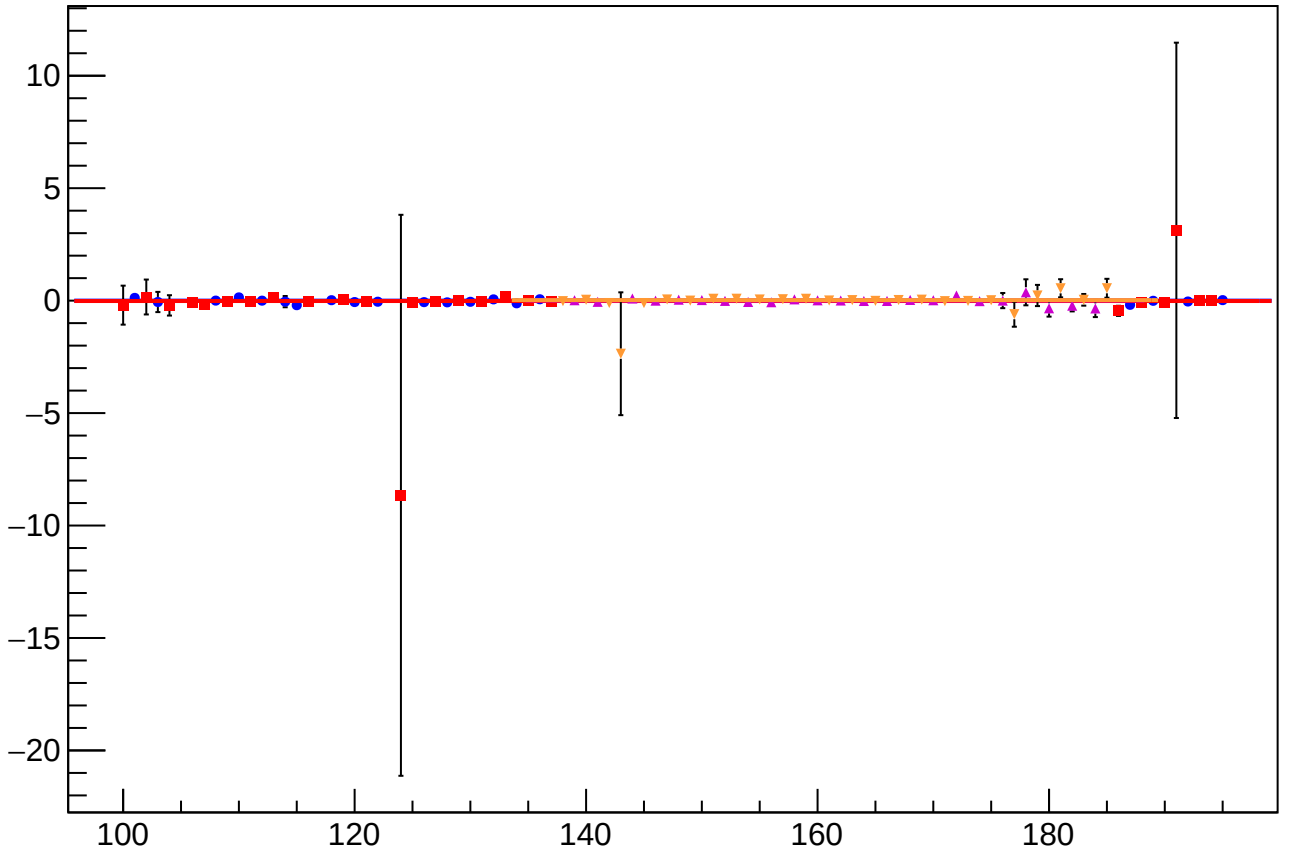
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/44

All: 0.000+/-0.000 χ^2/NDF: 97.8/92

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3648903.1/19
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3953352.2/24
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8109031.9/44
All: 0.000+/-0.000 χ²/NDF: 15983039.7/92
- sign 0.000+/-0.000 χ²/NDF: 7608358.4/47



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: -0.017+/-0.014 χ^2/NDF: 20.3/24

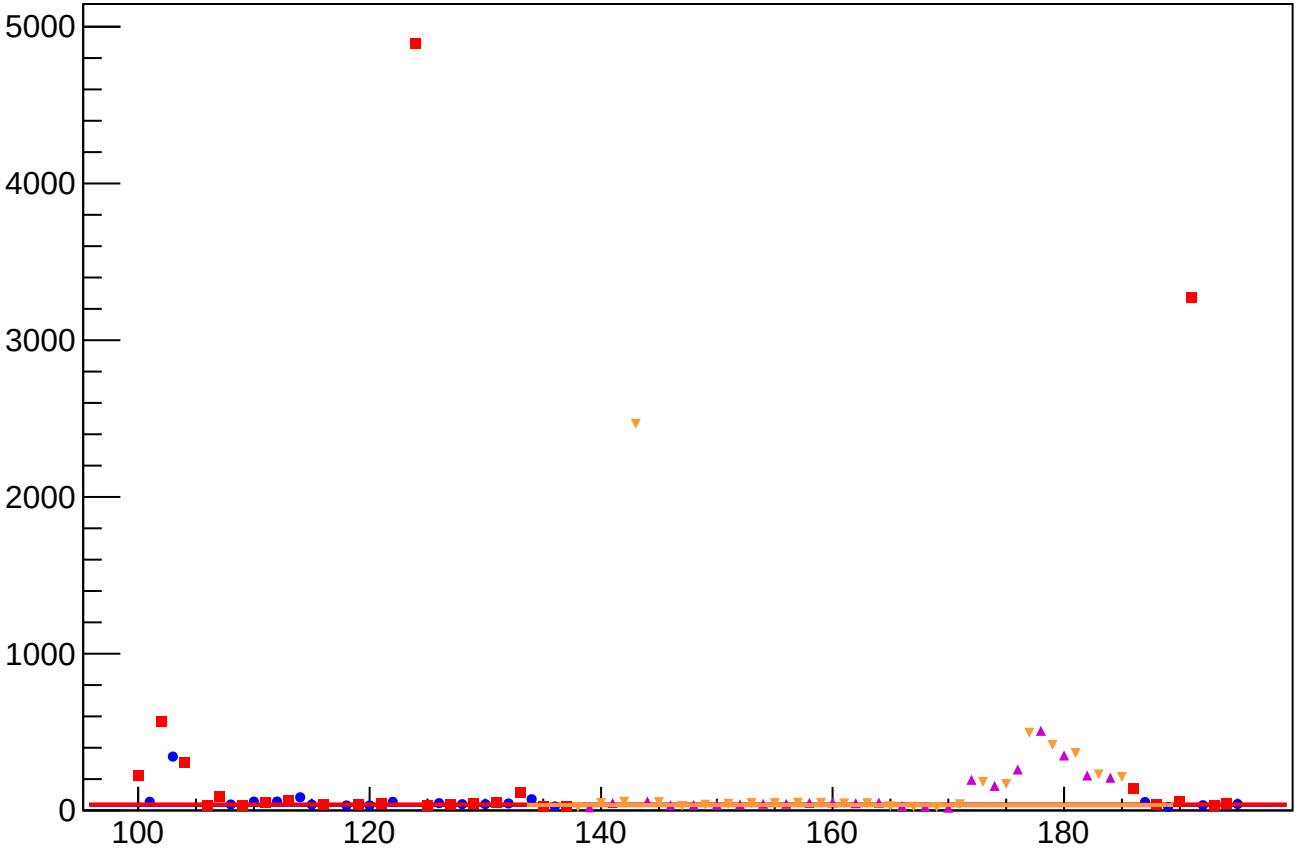
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

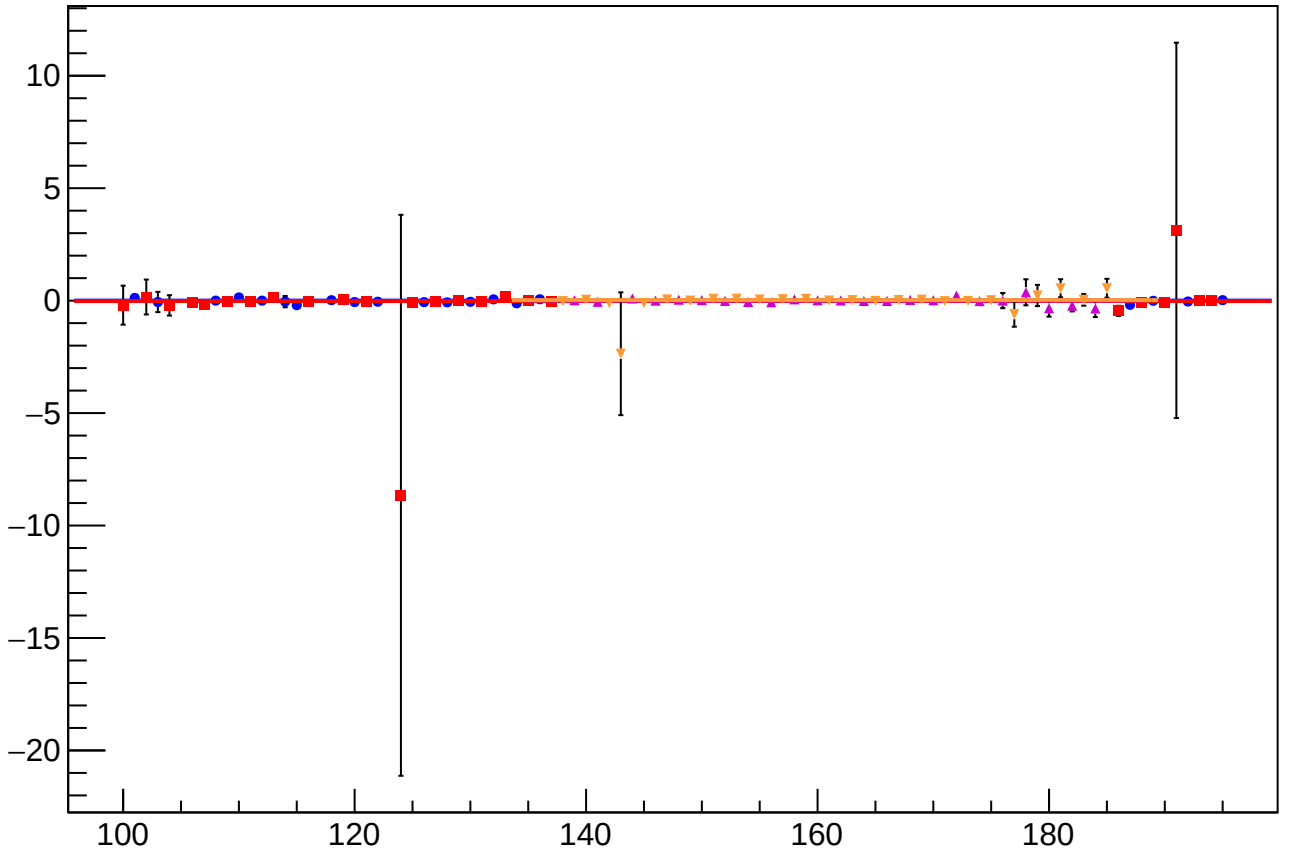
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

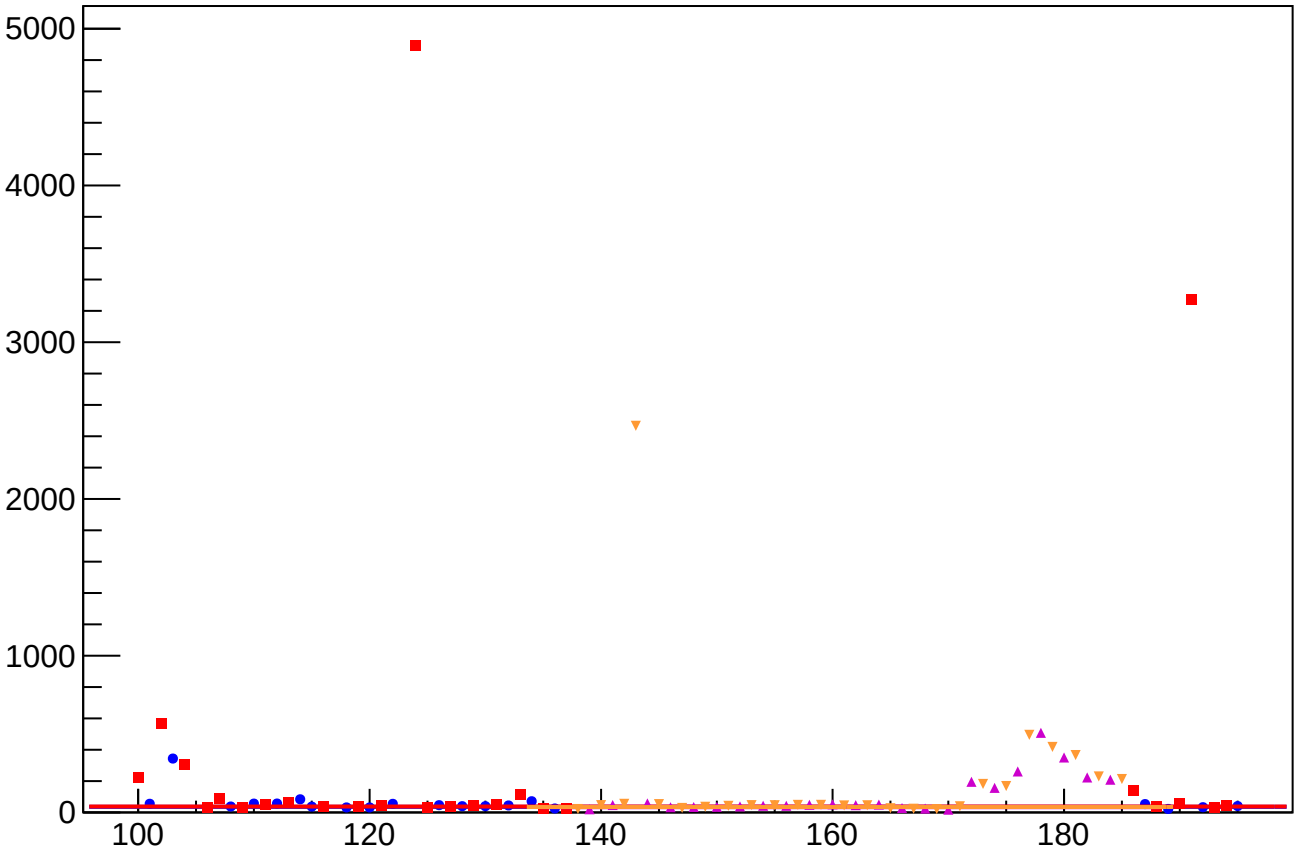
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

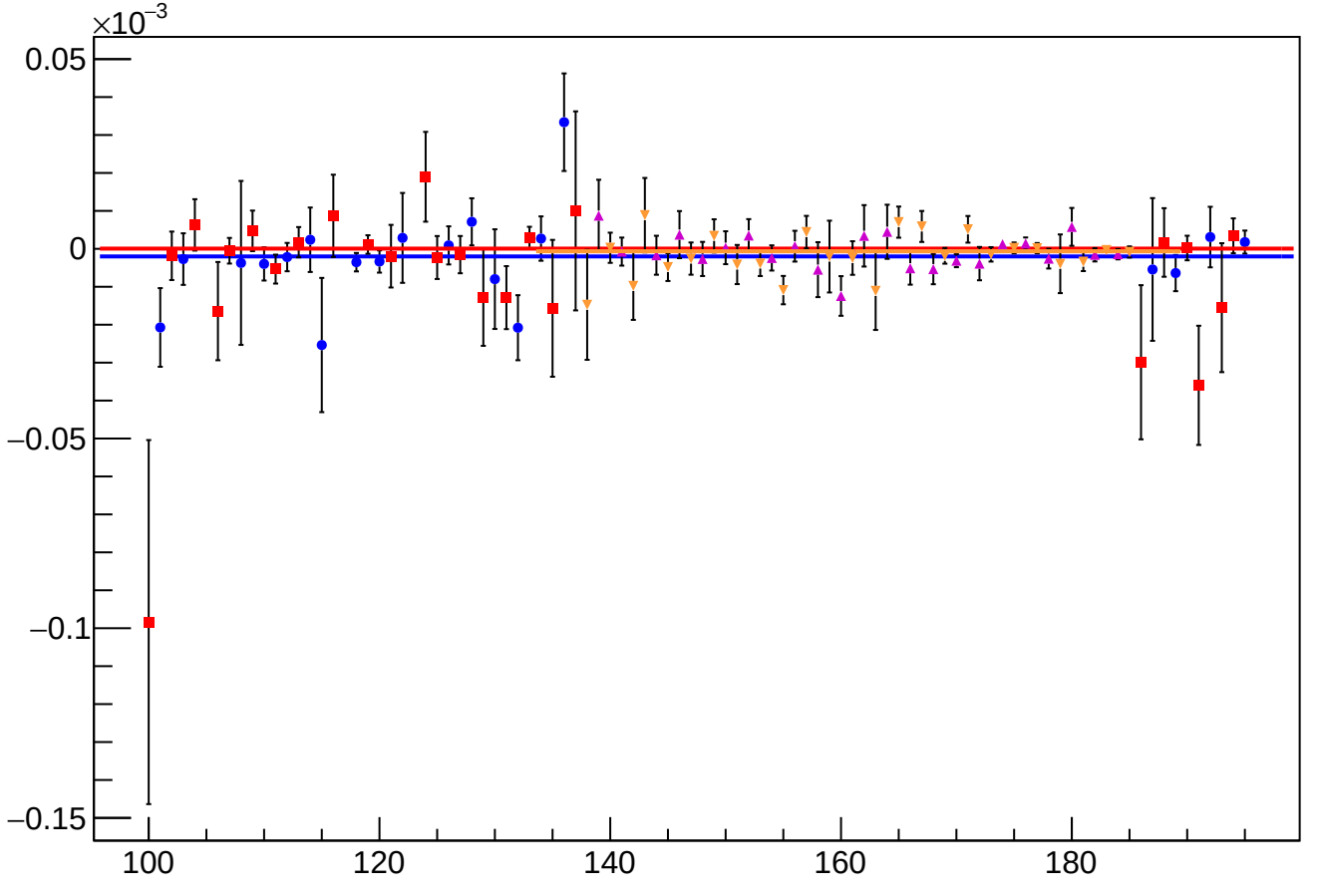
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.080+/-0.006 χ^2/NDF: 13694279.2/44

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

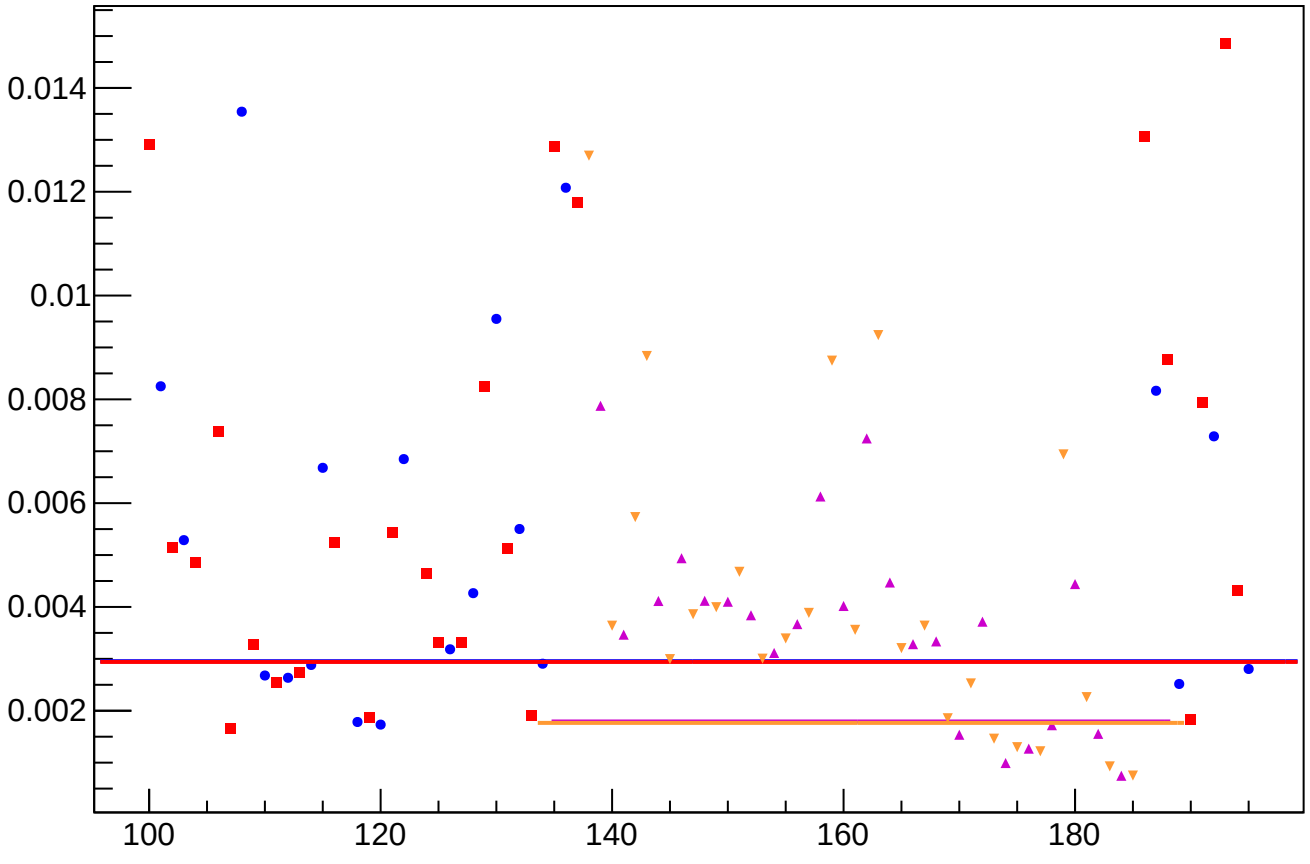
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

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: 104.7/92

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

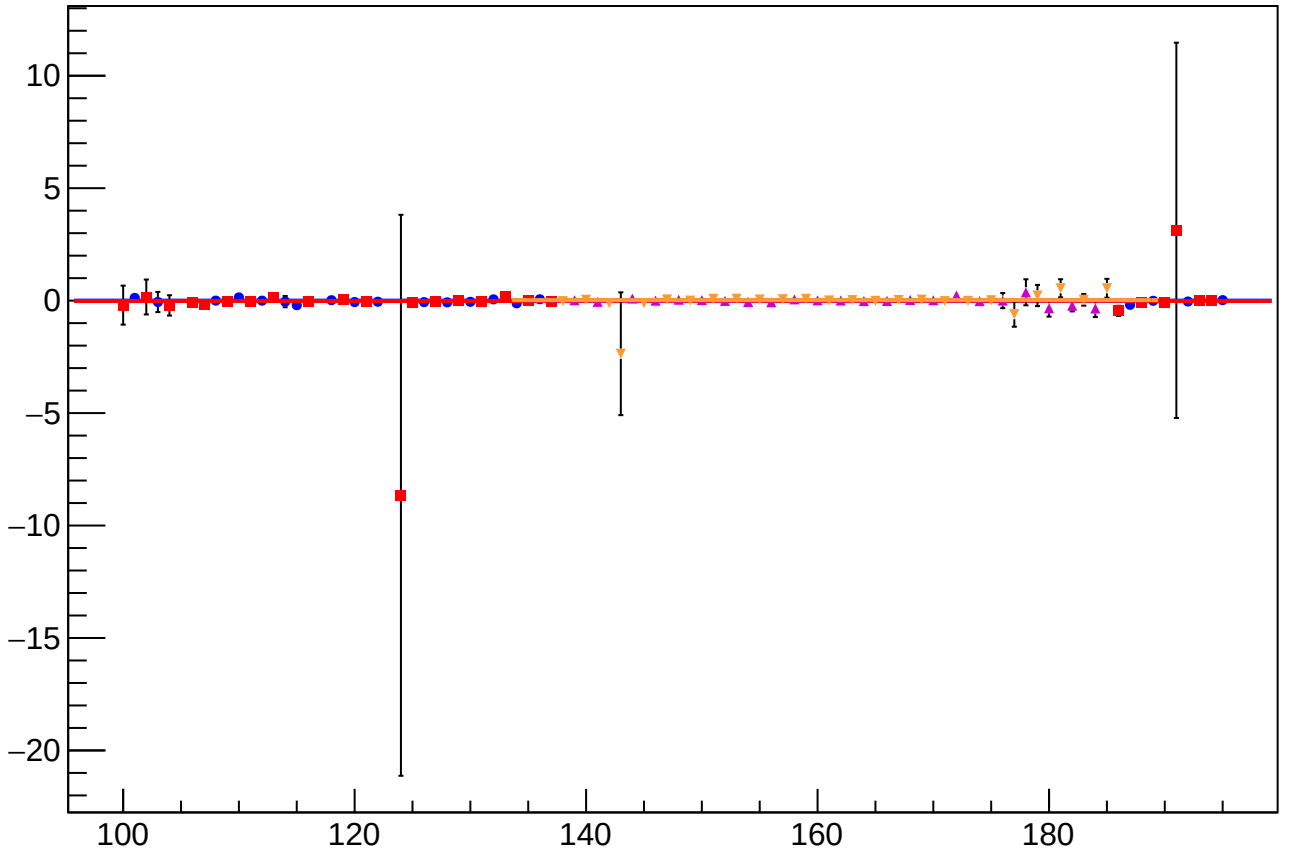
Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

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: 38559735.7/92

- sign 0.002+/-0.000 χ^2/NDF: 18902076.1/47



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: -0.017+/-0.014 χ^2/NDF: 20.3/24

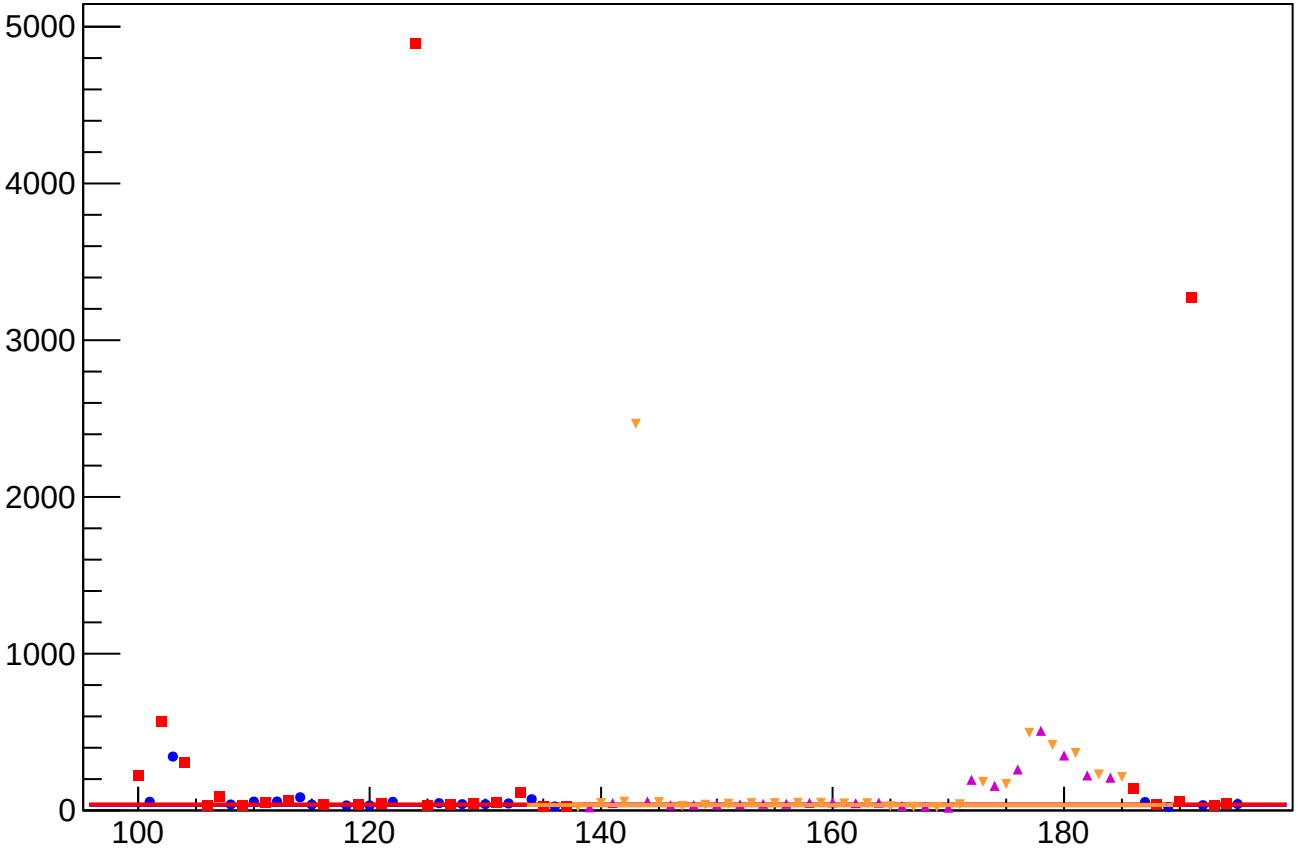
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

asym_at1_dd_at2_dd_avg_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

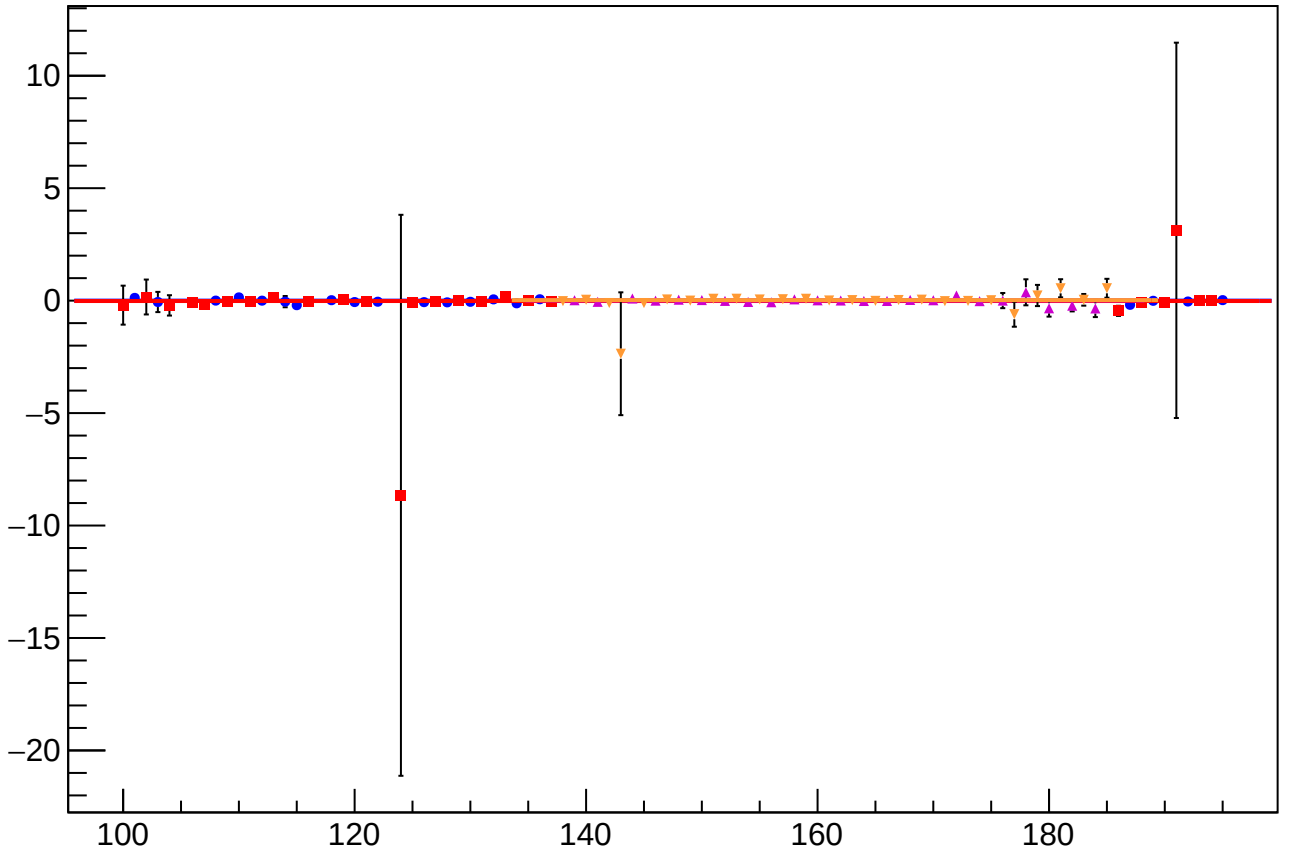
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

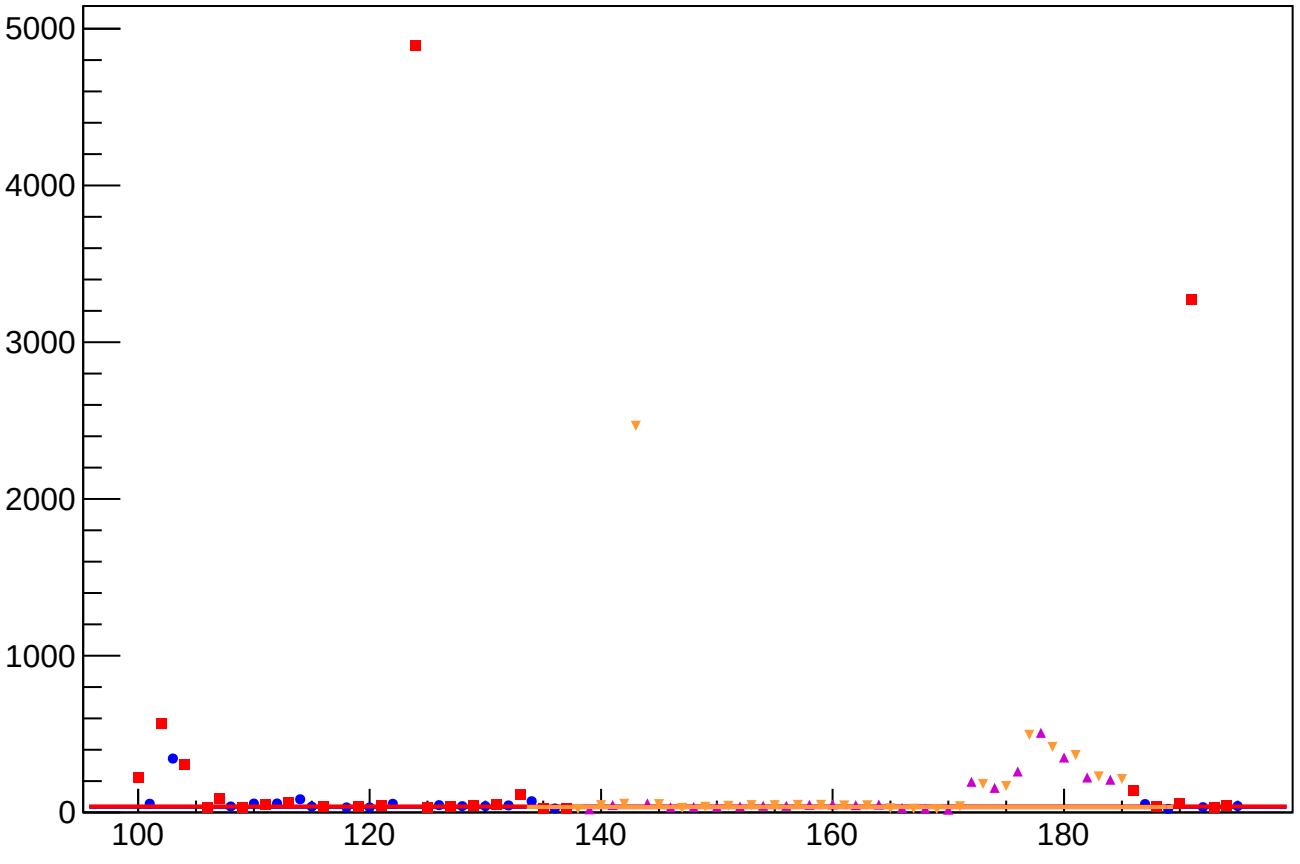
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 47.8/44

All: 0.007+/-0.006 χ^2/NDF: 87.0/92

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

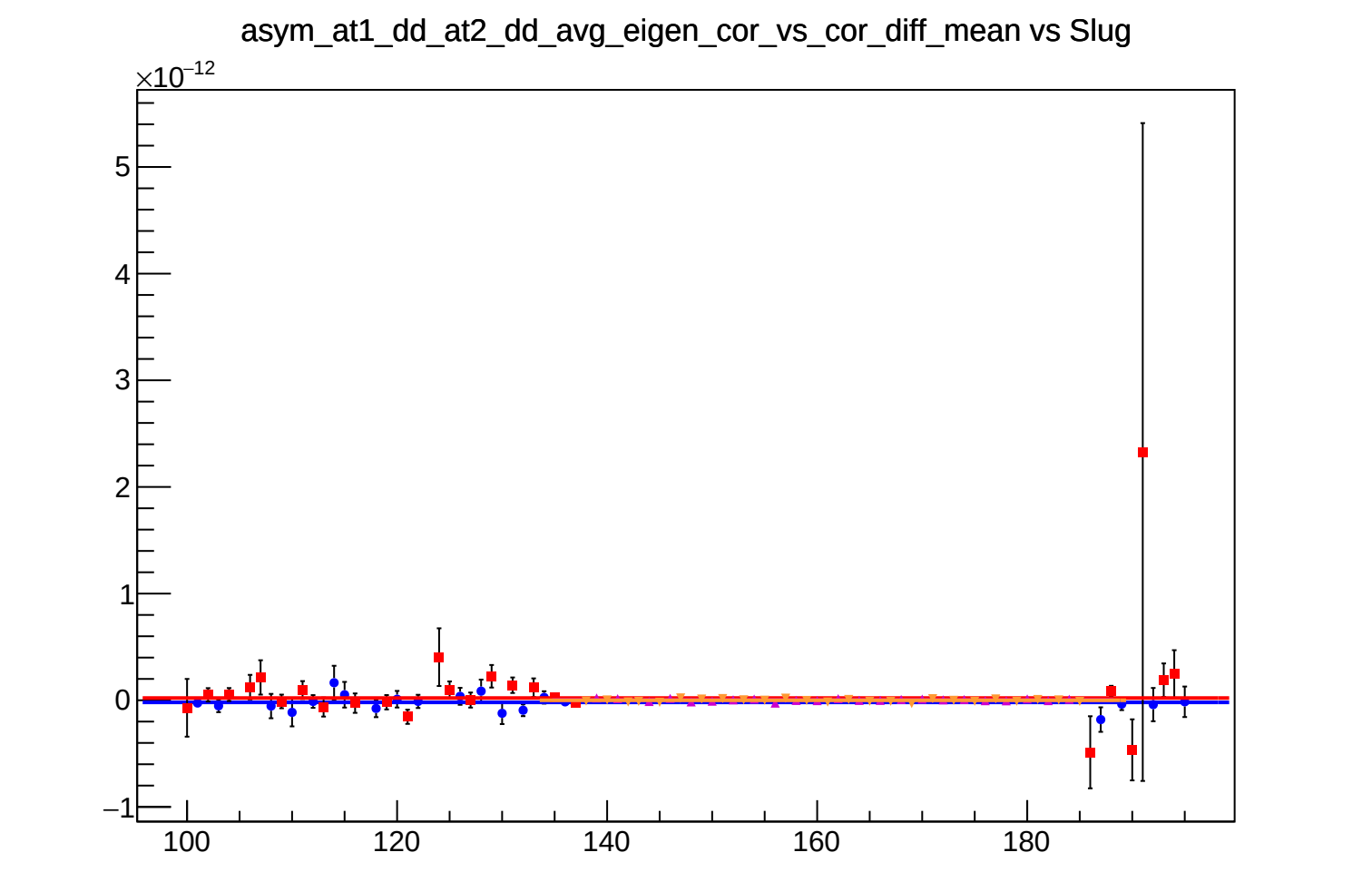
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.080+/-0.006 χ^2/NDF: 13693798.3/44

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

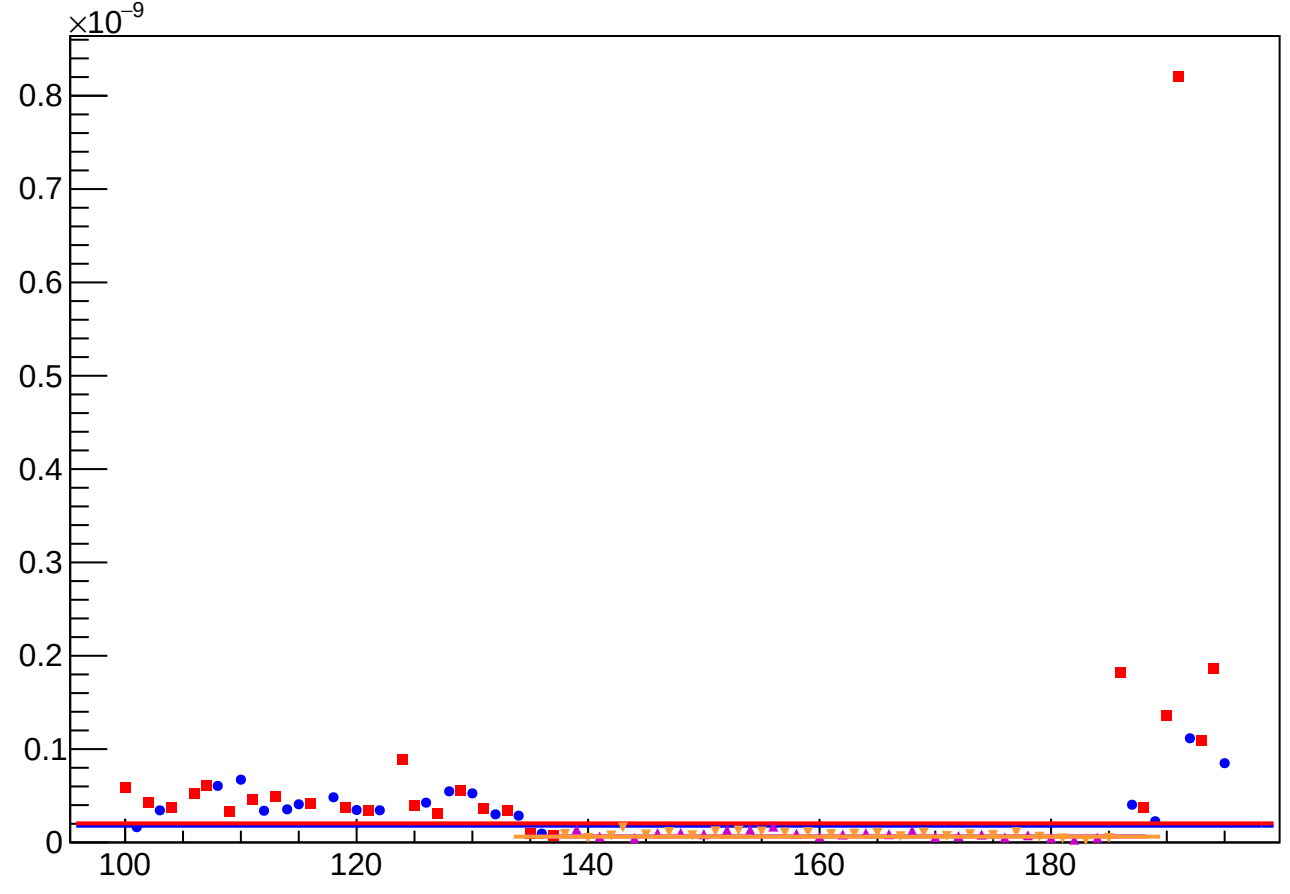
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/24

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: 102.1/92

- sign 0.000+/-0.000 χ^2/NDF: 59.8/47



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: 6635620.7/24

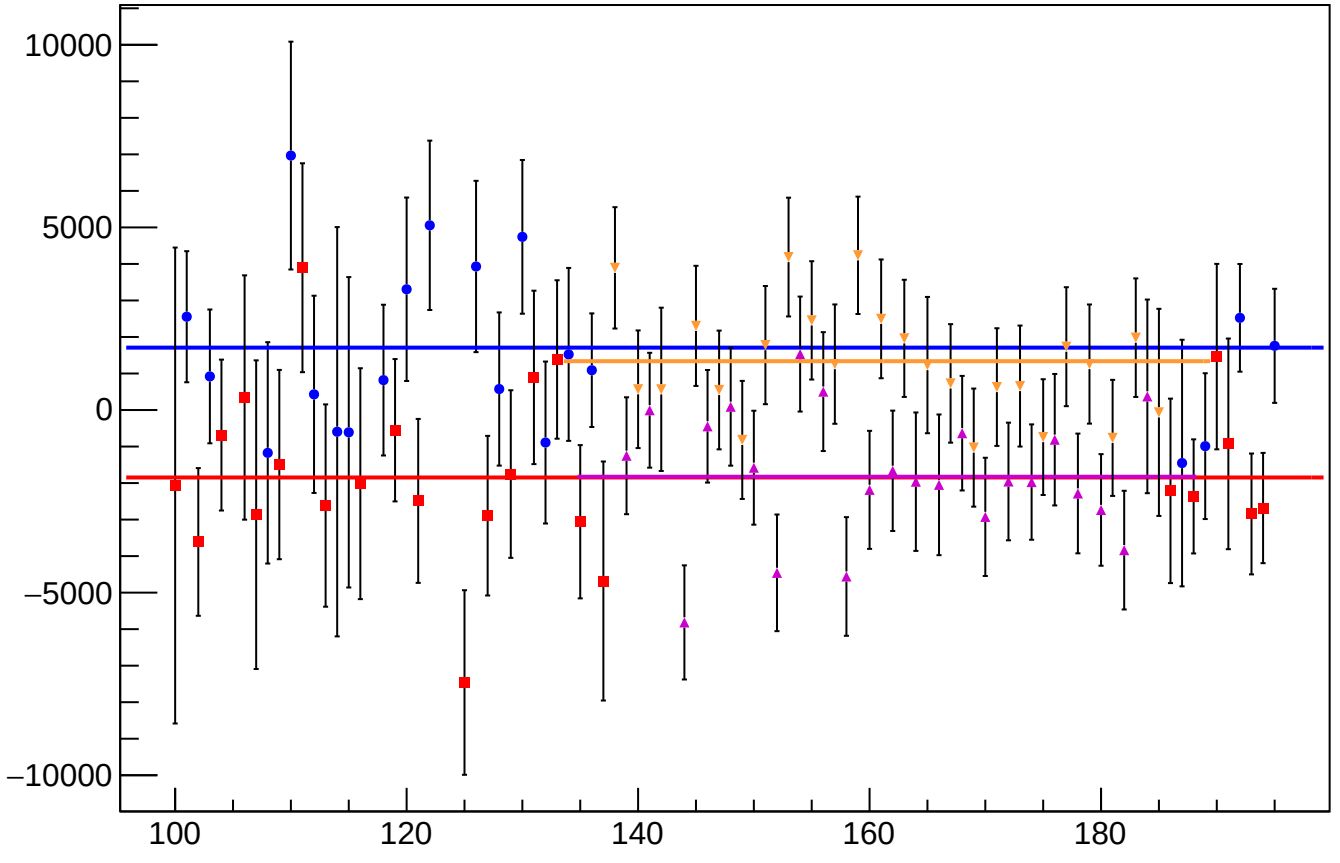
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12381452.9/44

All: 0.000+/-0.000 χ^2/NDF: 26289528.5/92

- sign 0.000+/-0.000 χ^2/NDF: 13882735.9/47

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: -1847.119+/-470.186 χ^2/NDF: 18.6/23

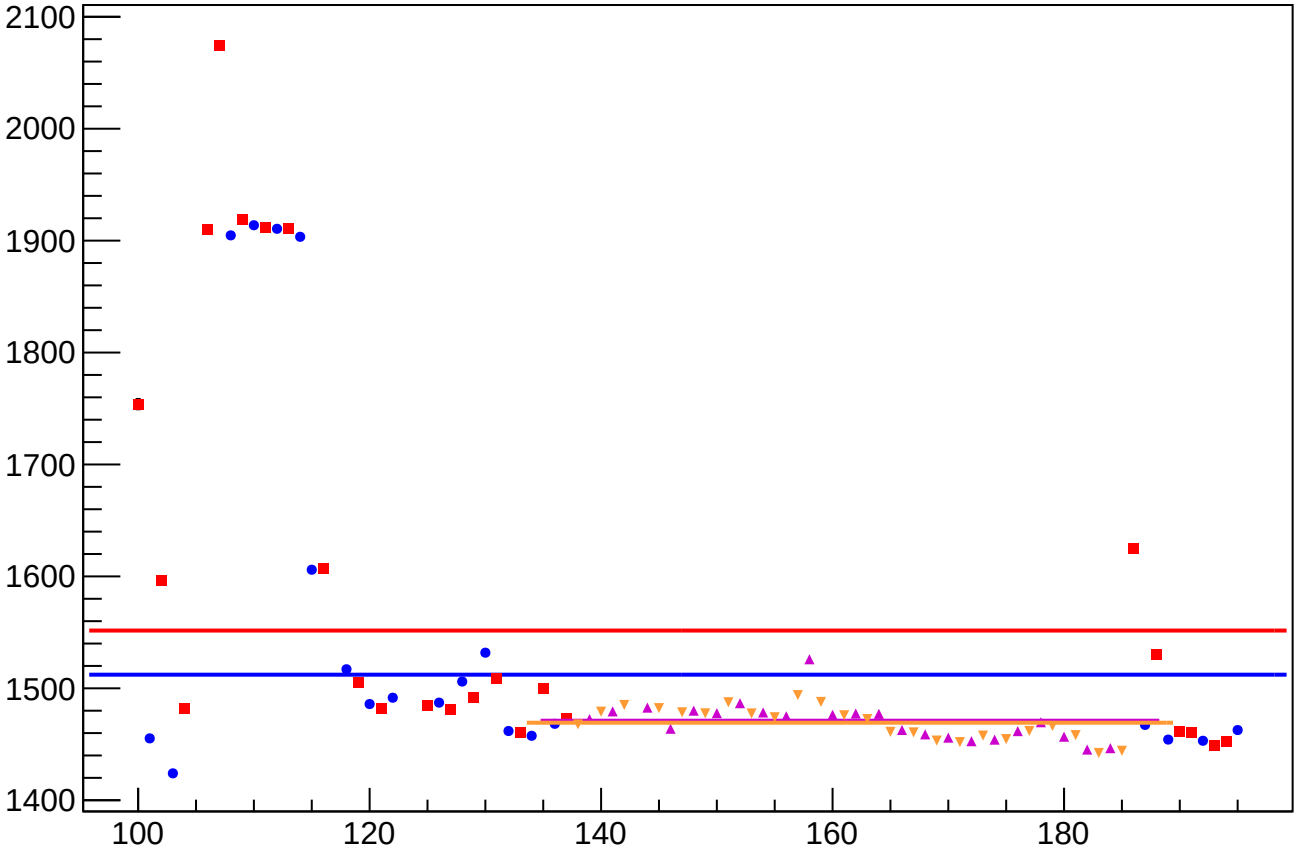
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.114+/-278.836 χ^2/NDF: 34.9/43

All: -195.570+/-196.642 χ^2/NDF: 150.2/90

- sign -1833.739+/-277.357 χ^2/NDF: 45.1/46

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

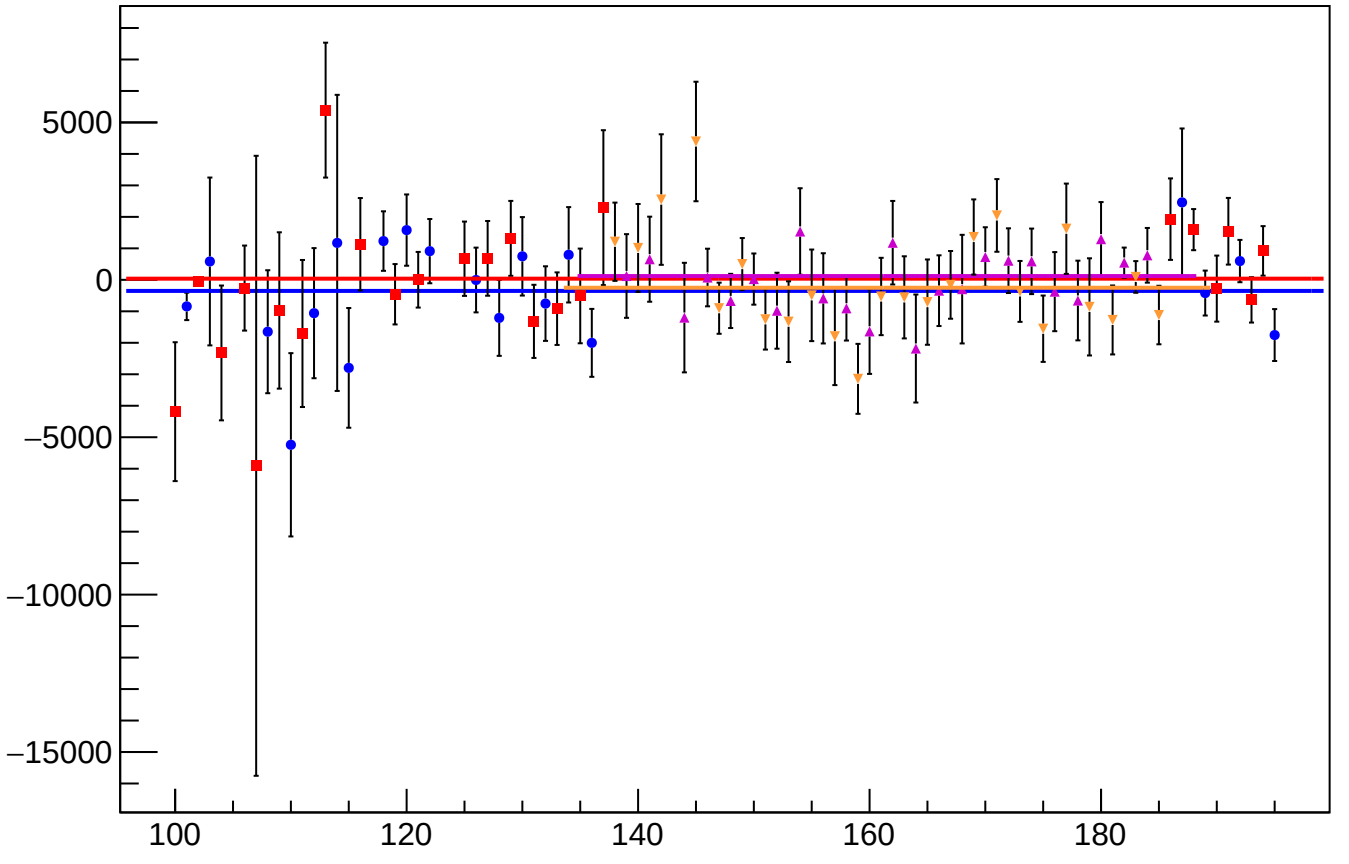
Right Out: 1551.609+/-0.332 χ^2/NDF: 202254.4/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153026.0/43

All: 1491.328+/-0.139 χ^2/NDF: 401345.3/90

- sign 1499.084+/-0.196 χ^2/NDF: 245174.1/46



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: 37.263+/-119.862 χ^2/NDF: 30.4/23

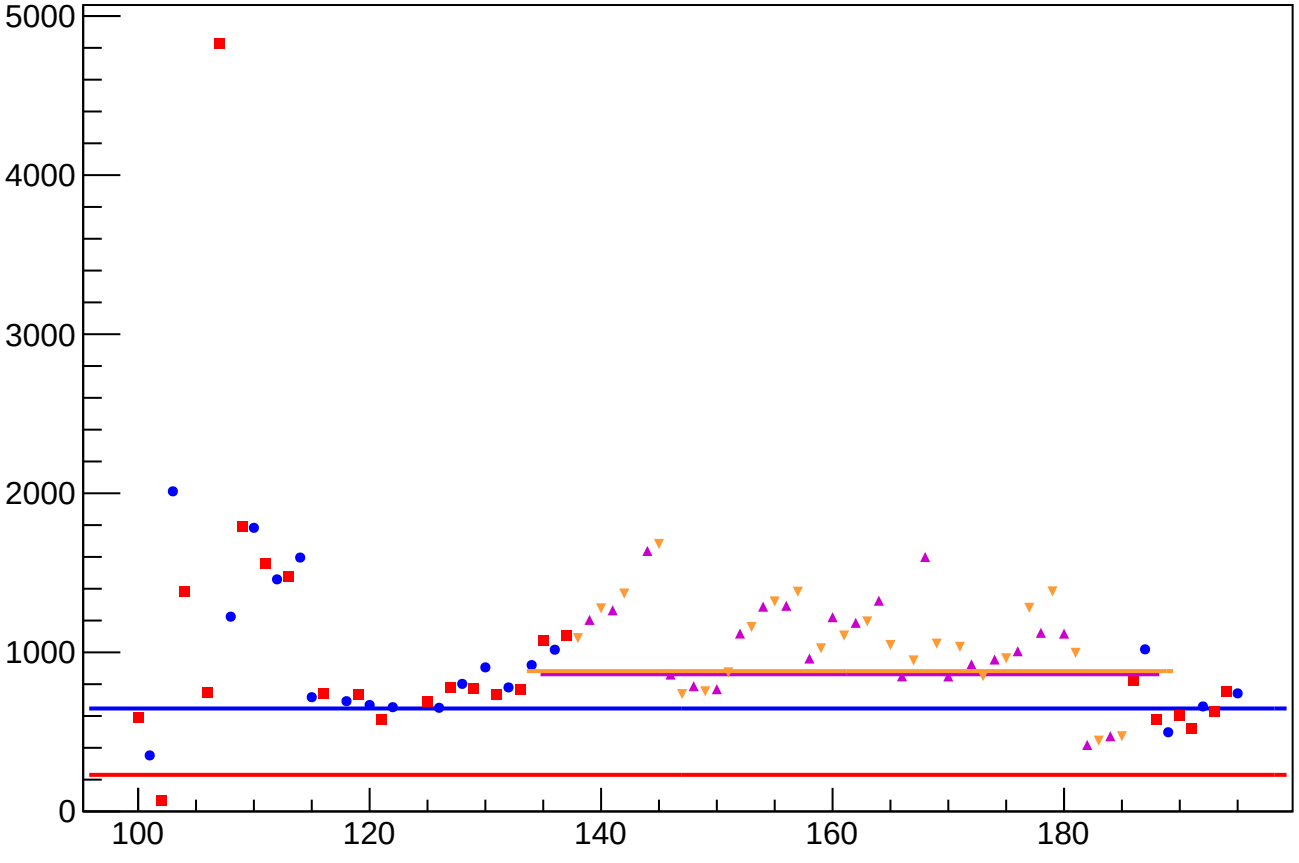
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -299.838+/-157.530 χ^2/NDF: 57.3/43

All: -52.692+/-87.257 χ^2/NDF: 104.2/90

- sign 56.699+/-104.804 χ^2/NDF: 43.4/46

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: 230.113+/-0.085 χ^2/NDF: 13030445.0/23

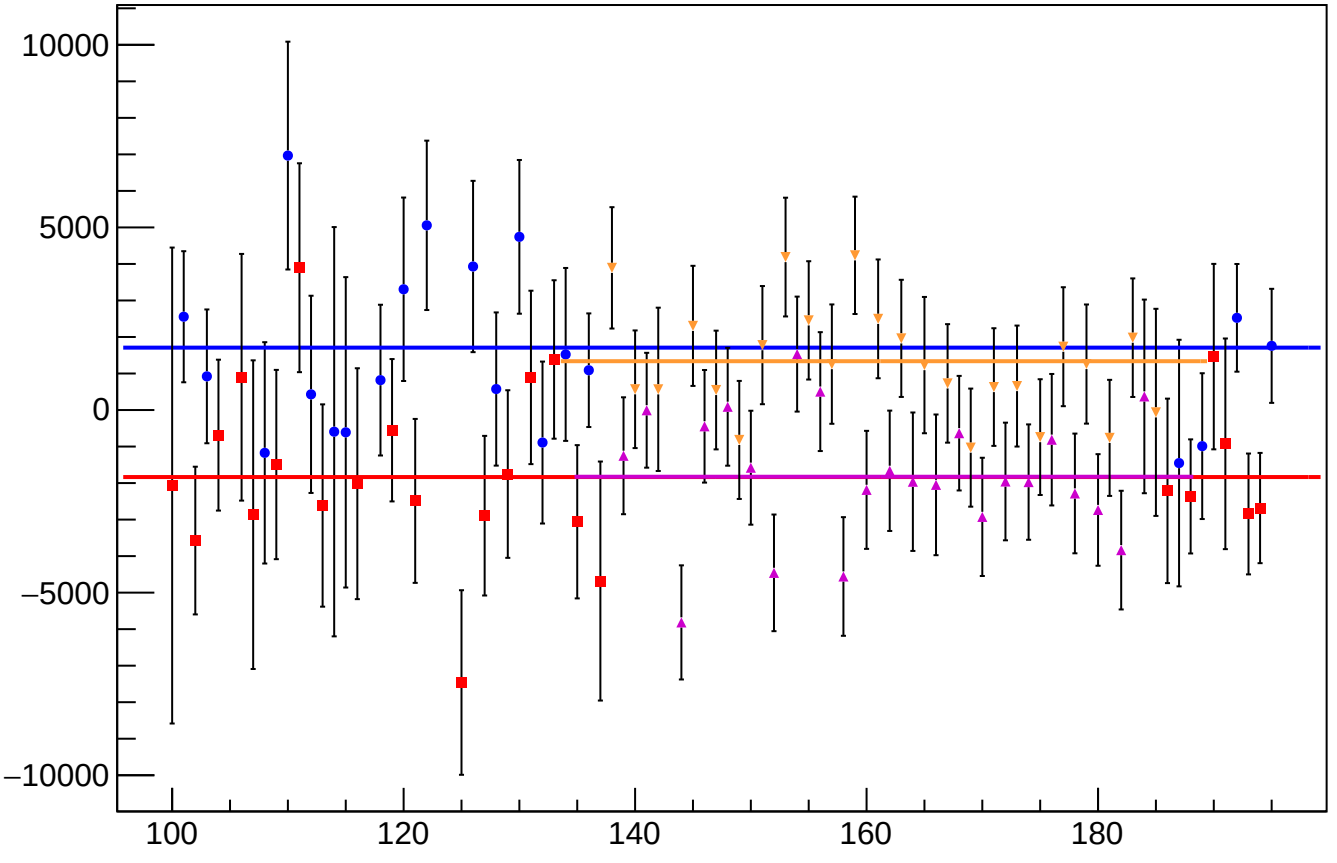
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 769.640+/-0.111 χ^2/NDF: 7942066.8/43

All: 498.840+/-0.062 χ^2/NDF: 46969024.9/90

- sign 378.978+/-0.074 χ^2/NDF: 30500773.1/46

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: -1835.108+/-470.278 χ^2/NDF: 18.8/23

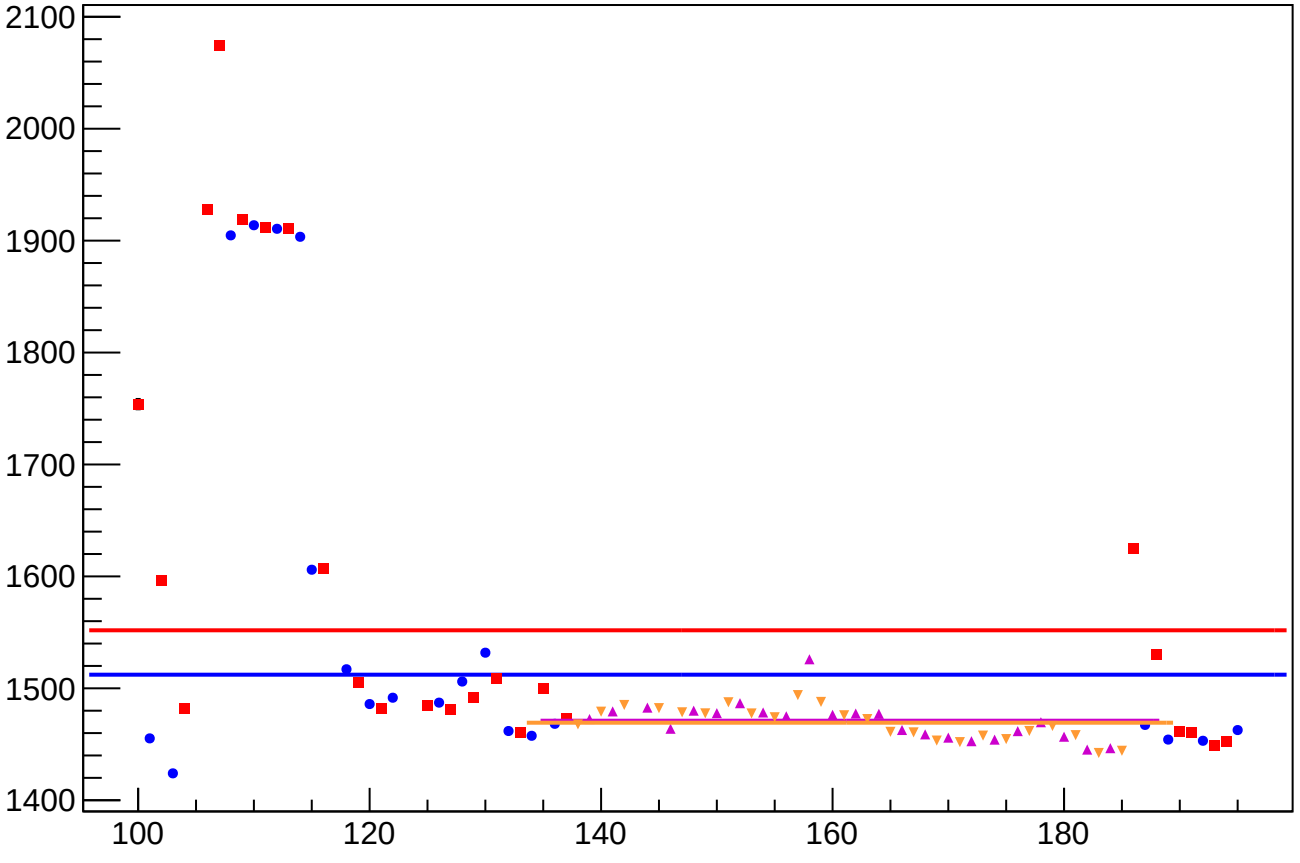
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.148+/-278.836 χ^2/NDF: 34.9/43

All: -193.355+/-196.649 χ^2/NDF: 150.2/90

- sign -1829.588+/-277.376 χ^2/NDF: 45.3/46

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

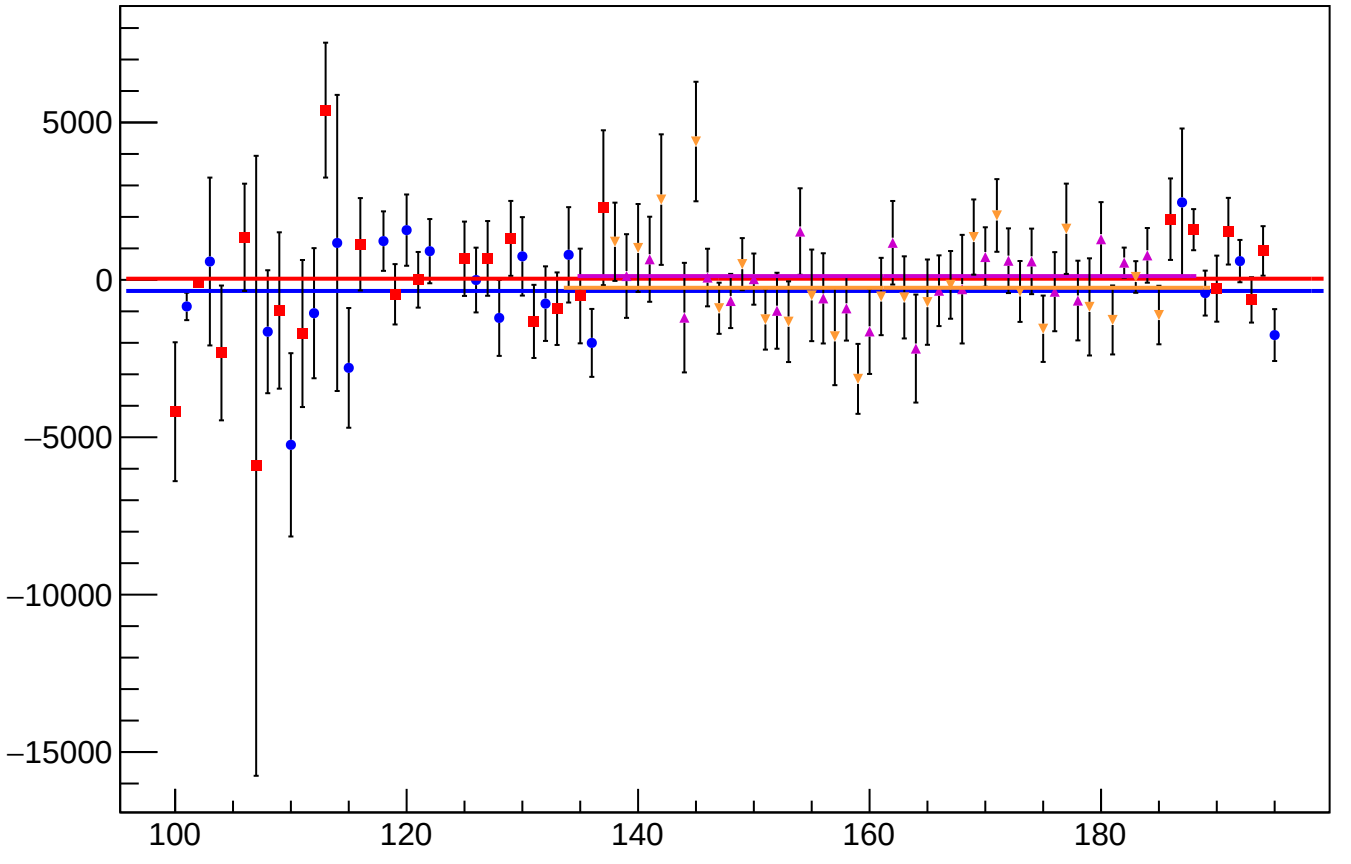
Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153025.9/43

All: 1491.364+/-0.139 χ^2/NDF: 403517.6/90

- sign 1499.158+/-0.196 χ^2/NDF: 247317.1/46



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: 37.094+/-128.366 χ^2/NDF: 31.2/23

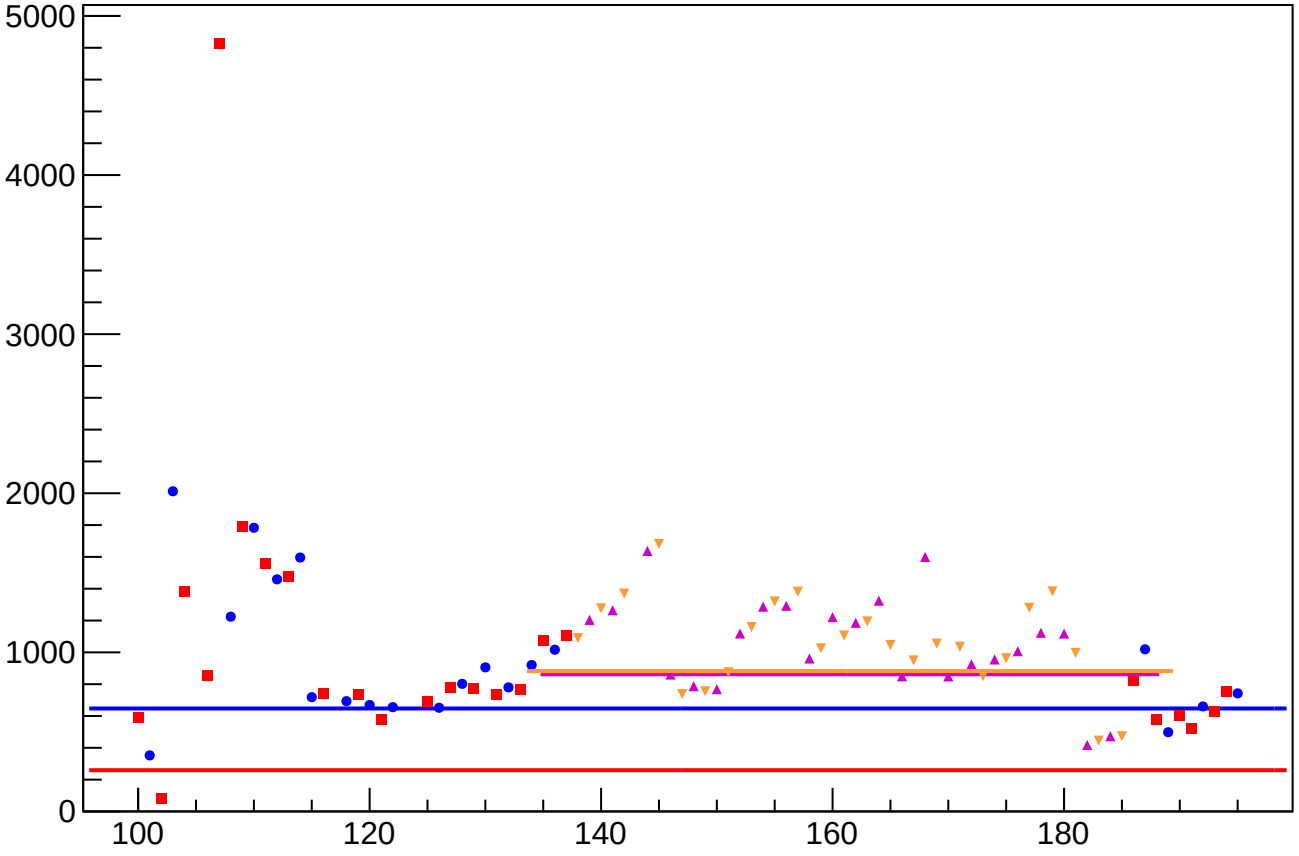
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -299.788+/-157.529 χ^2/NDF: 57.3/43

All: -59.304+/-90.379 χ^2/NDF: 105.0/90

- sign 58.696+/-110.347 χ^2/NDF: 44.2/46

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: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

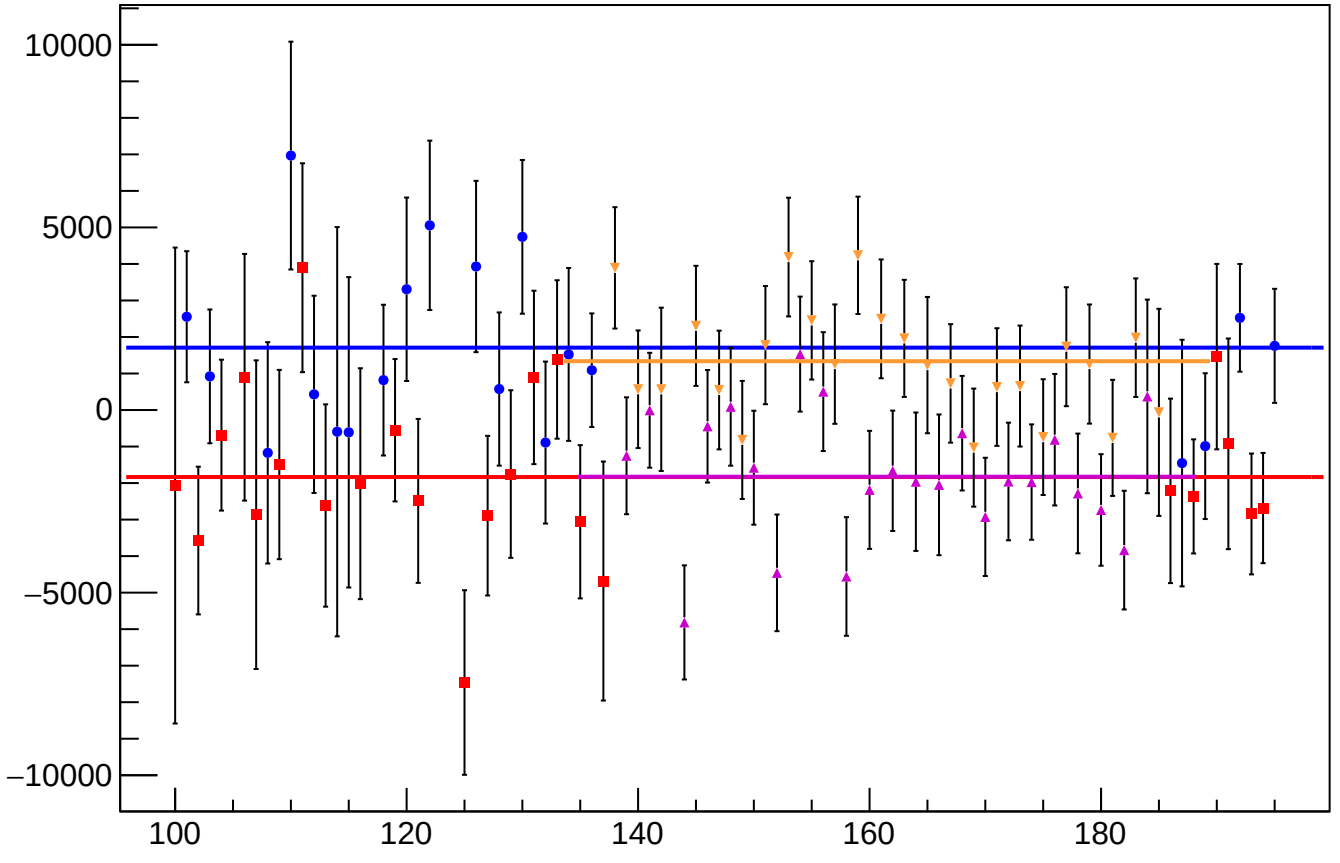
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 769.635+/-0.111 χ^2/NDF: 7942375.7/43

All: 532.896+/-0.064 χ^2/NDF: 42740162.7/90

- sign 416.733+/-0.078 χ^2/NDF: 28064436.8/46

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: -1835.108+/-470.278 χ^2/NDF: 18.8/23

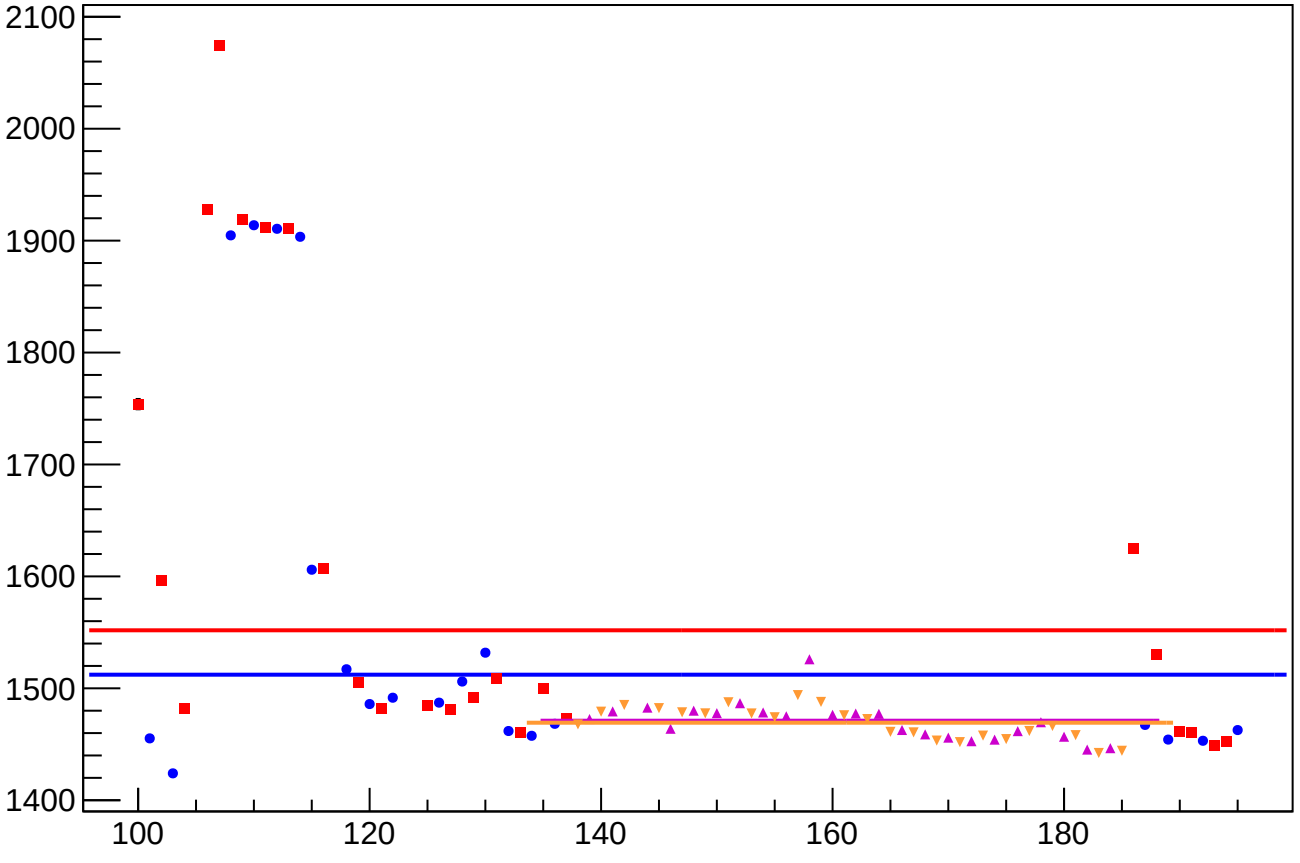
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.148+/-278.836 χ^2/NDF: 34.9/43

All: -193.355+/-196.649 χ^2/NDF: 150.2/90

- sign -1829.588+/-277.376 χ^2/NDF: 45.3/46

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

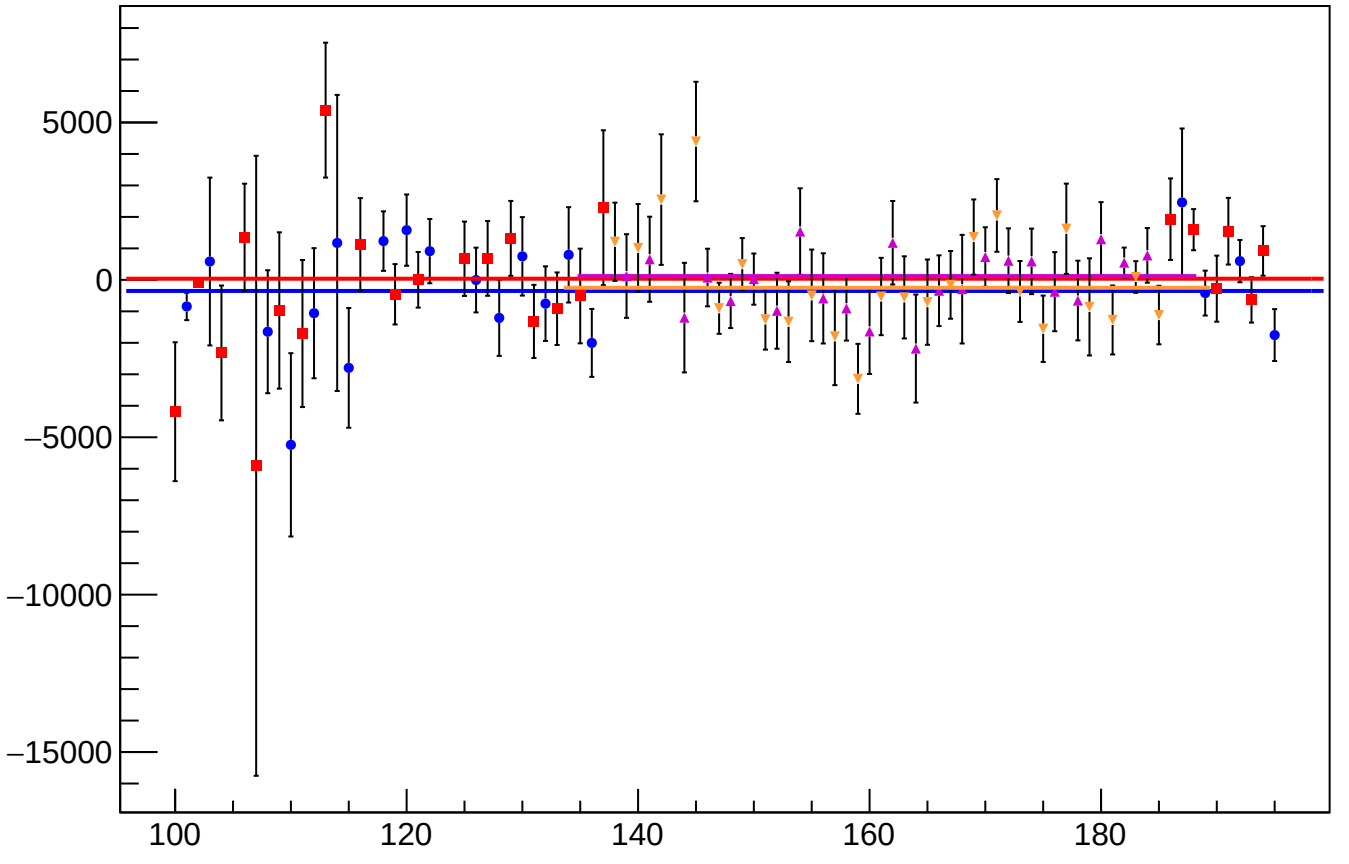
Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.488+/-0.197 χ^2/NDF: 153025.9/43

All: 1491.364+/-0.139 χ^2/NDF: 403517.6/90

- sign 1499.158+/-0.196 χ^2/NDF: 247317.1/46



Right In: -352.090+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

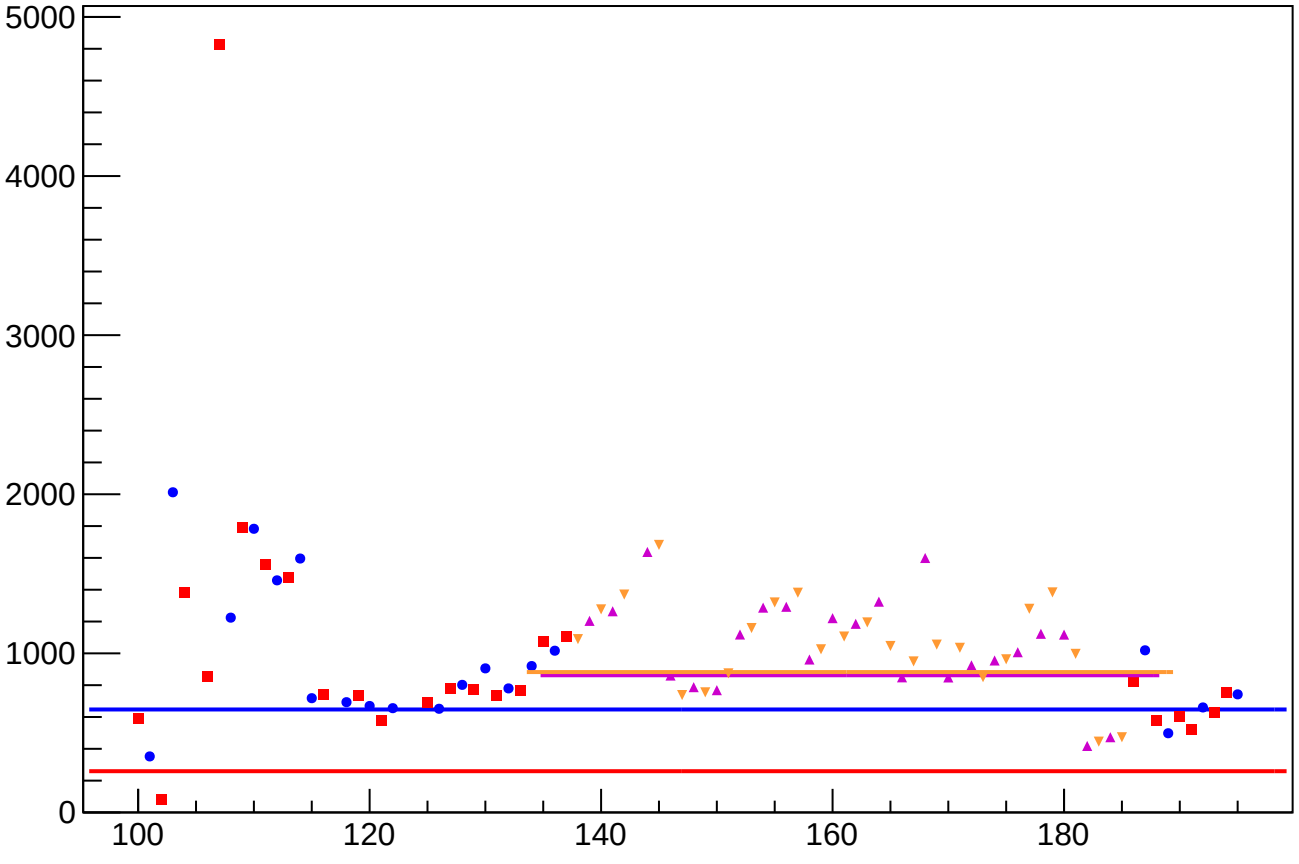
Right Out: 37.094+/-128.366 χ^2/NDF: 31.2/23

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -299.788+/-157.529 χ^2/NDF: 57.3/43

All: -59.304+/-90.379 χ^2/NDF: 105.0/90

- sign 58.696+/-110.347 χ^2/NDF: 44.2/46



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: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

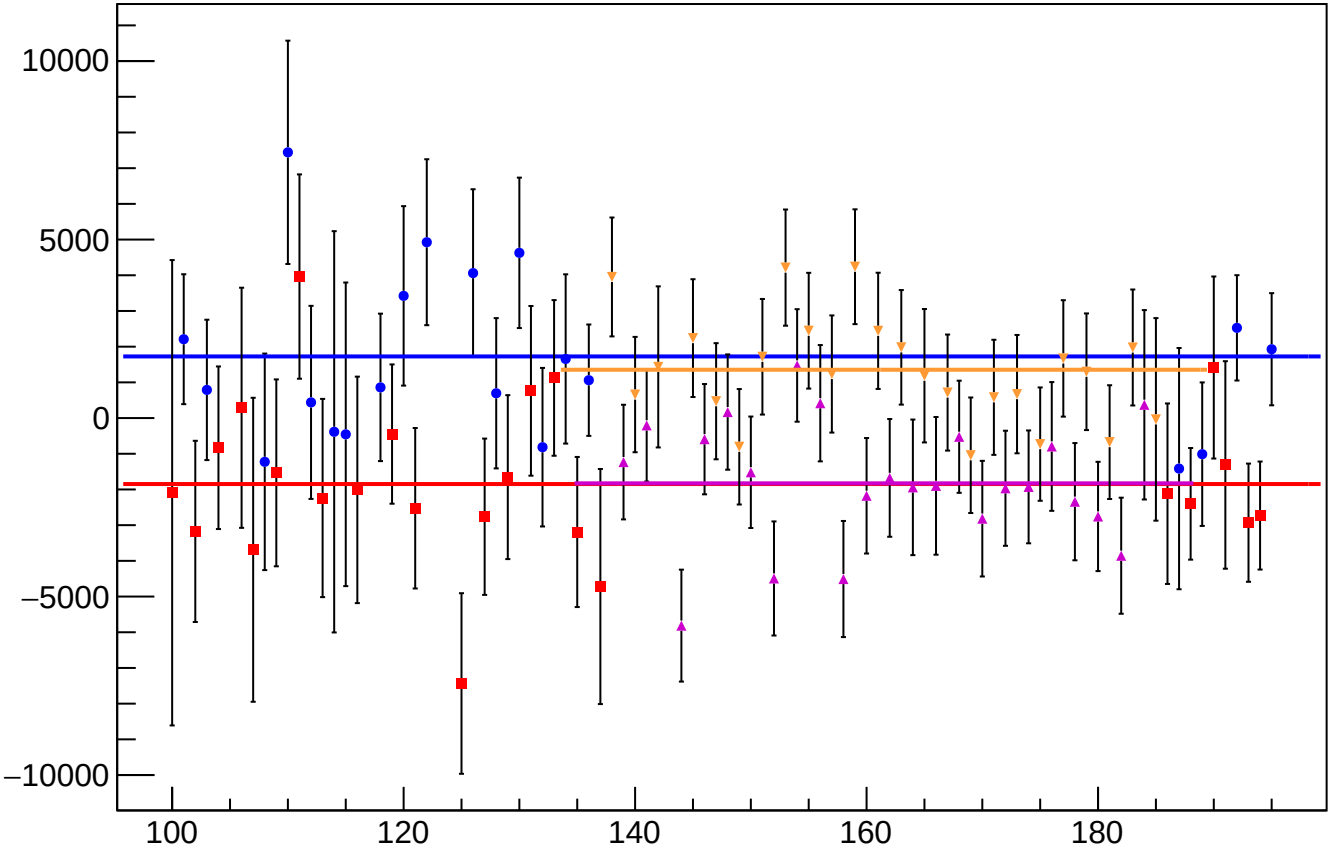
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 769.635+/-0.111 χ^2/NDF: 7942375.7/43

All: 532.896+/-0.064 χ^2/NDF: 42740162.7/90

- sign 416.733+/-0.078 χ^2/NDF: 28064436.8/46

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: -1848.135+/-478.203 χ^2/NDF: 17.7/23

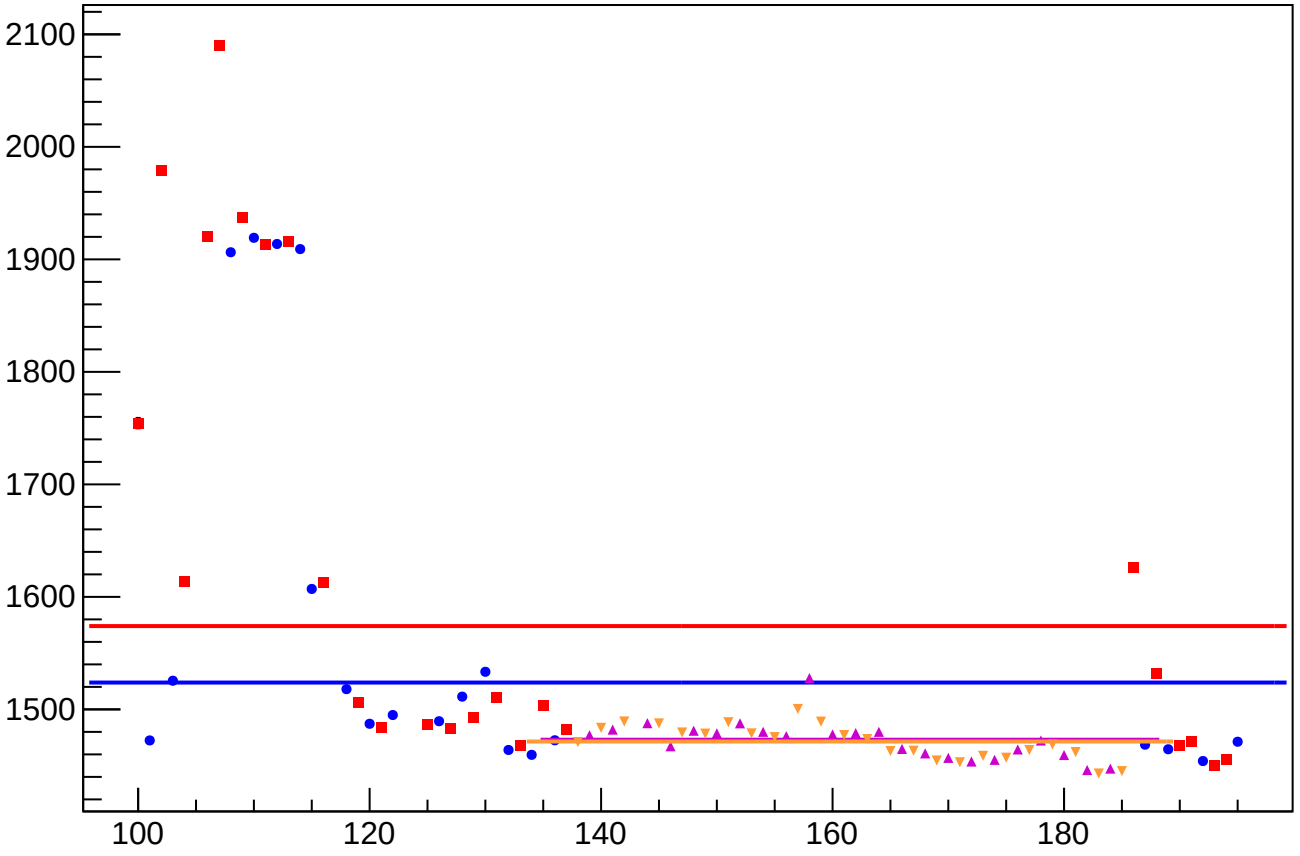
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1476.193+/-279.859 χ^2/NDF: 34.7/43

All: -183.160+/-197.666 χ^2/NDF: 148.4/90

- sign -1835.029+/-279.227 χ^2/NDF: 43.5/46

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: 1574.050+/-0.338 χ^2/NDF: 256607.5/23

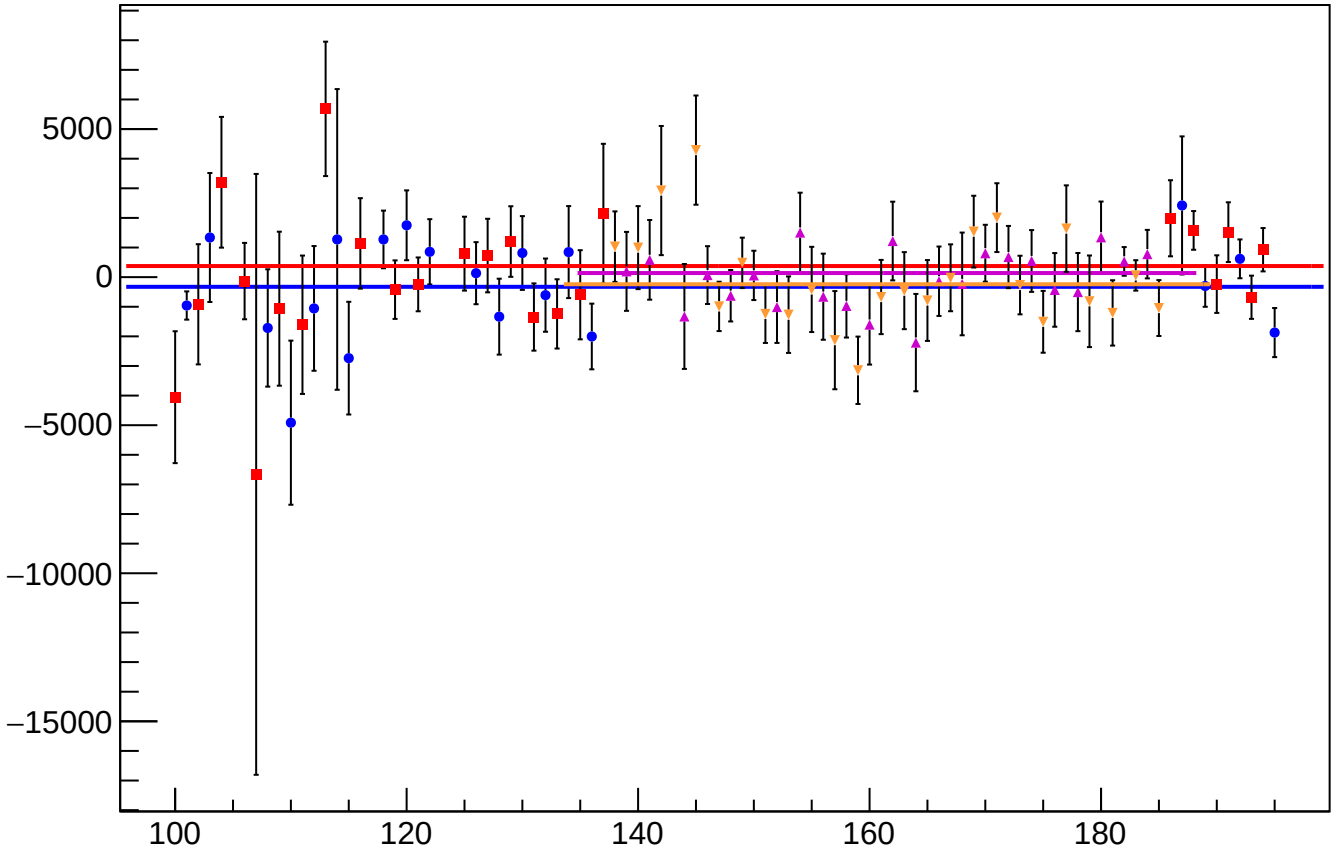
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1488.667+/-0.198 χ^2/NDF: 151359.2/43

All: 1498.098+/-0.140 χ^2/NDF: 476049.8/90

- sign 1507.485+/-0.197 χ^2/NDF: 320159.1/46

asym_usl_atl1_avg_dit_correction_mean vs Slug



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: 374.499+/-240.395 χ^2/NDF: 29.7/23

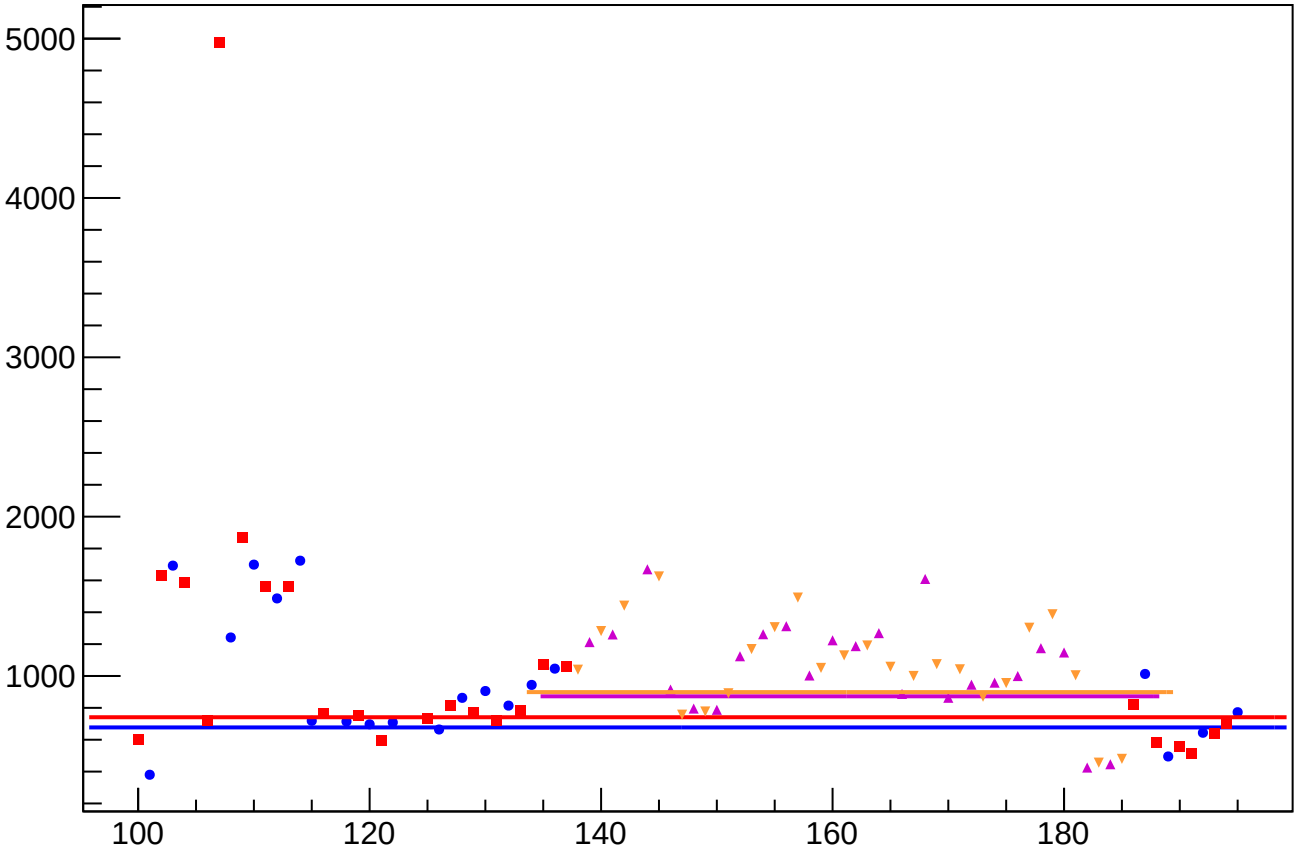
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -281.121+/-161.162 χ^2/NDF: 58.4/43

All: -18.803+/-114.142 χ^2/NDF: 106.9/90

- sign 245.210+/-161.682 χ^2/NDF: 43.2/46

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: 741.123+/-0.170 χ^2/NDF: 2458512.8/23

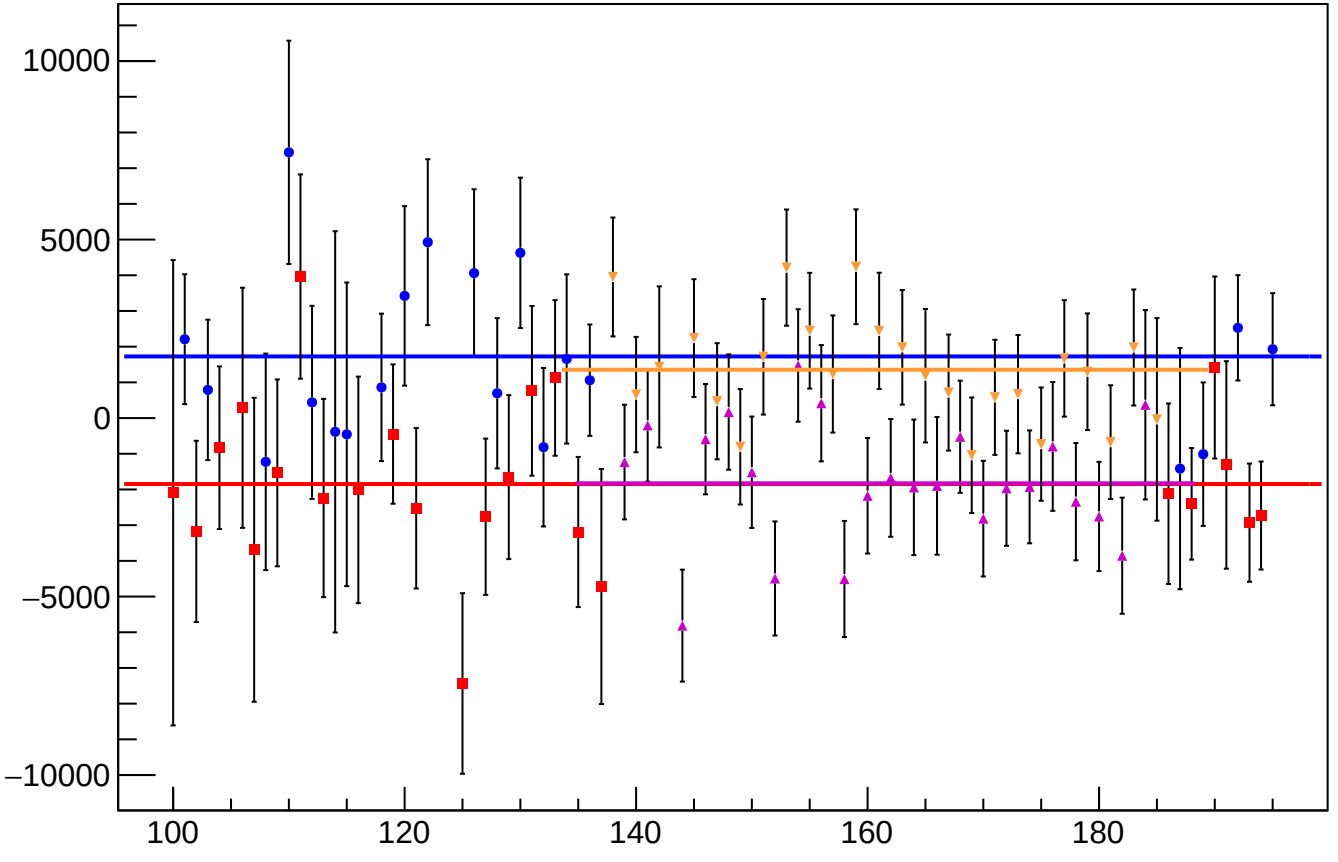
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 794.244+/-0.114 χ^2/NDF: 7387912.0/43

All: 803.620+/-0.081 χ^2/NDF: 14622517.6/90

- sign 813.057+/-0.114 χ^2/NDF: 7221023.1/46

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: -1848.132+/-478.203 χ^2/NDF: 17.7/23

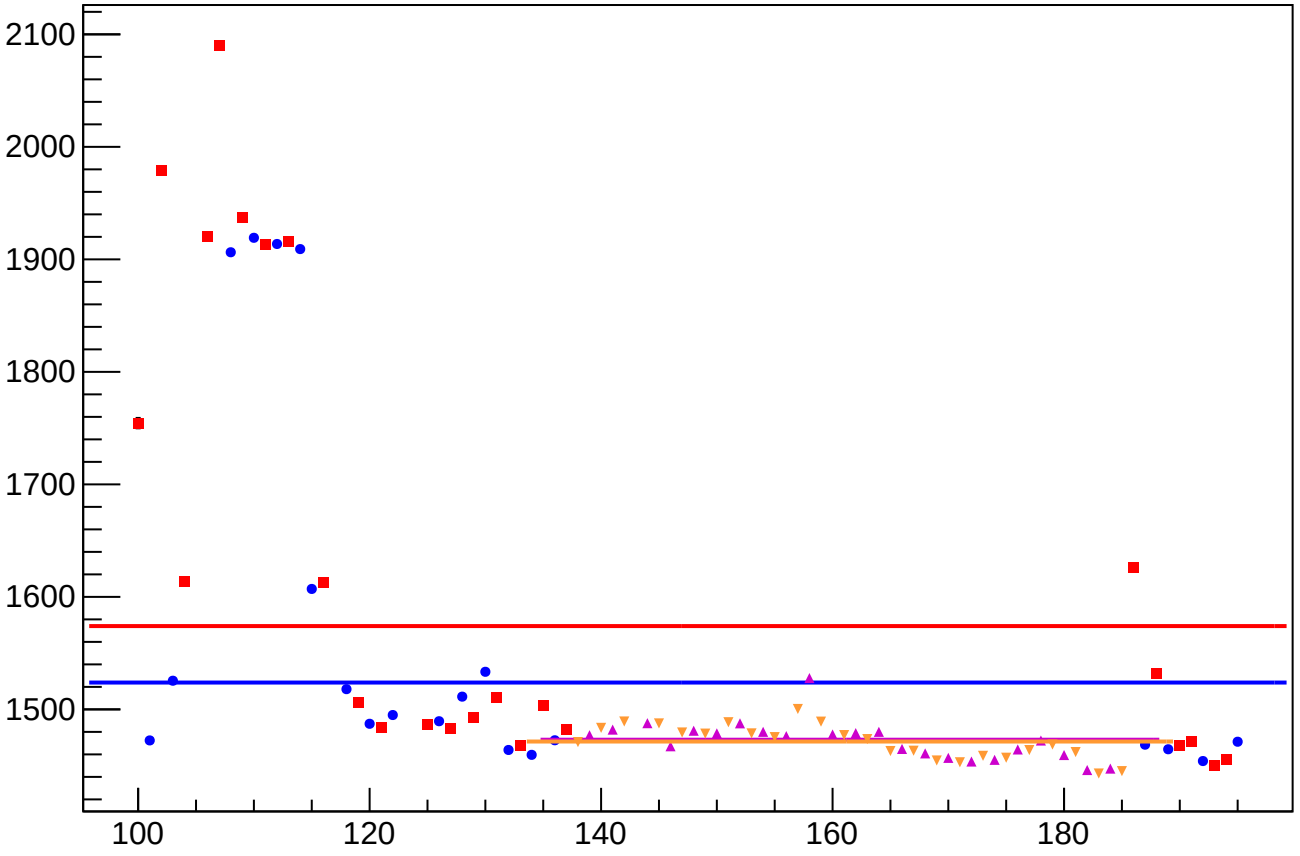
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1476.191+/-279.859 χ^2/NDF: 34.7/43

All: -183.160+/-197.666 χ^2/NDF: 148.4/90

- sign -1835.029+/-279.227 χ^2/NDF: 43.5/46

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

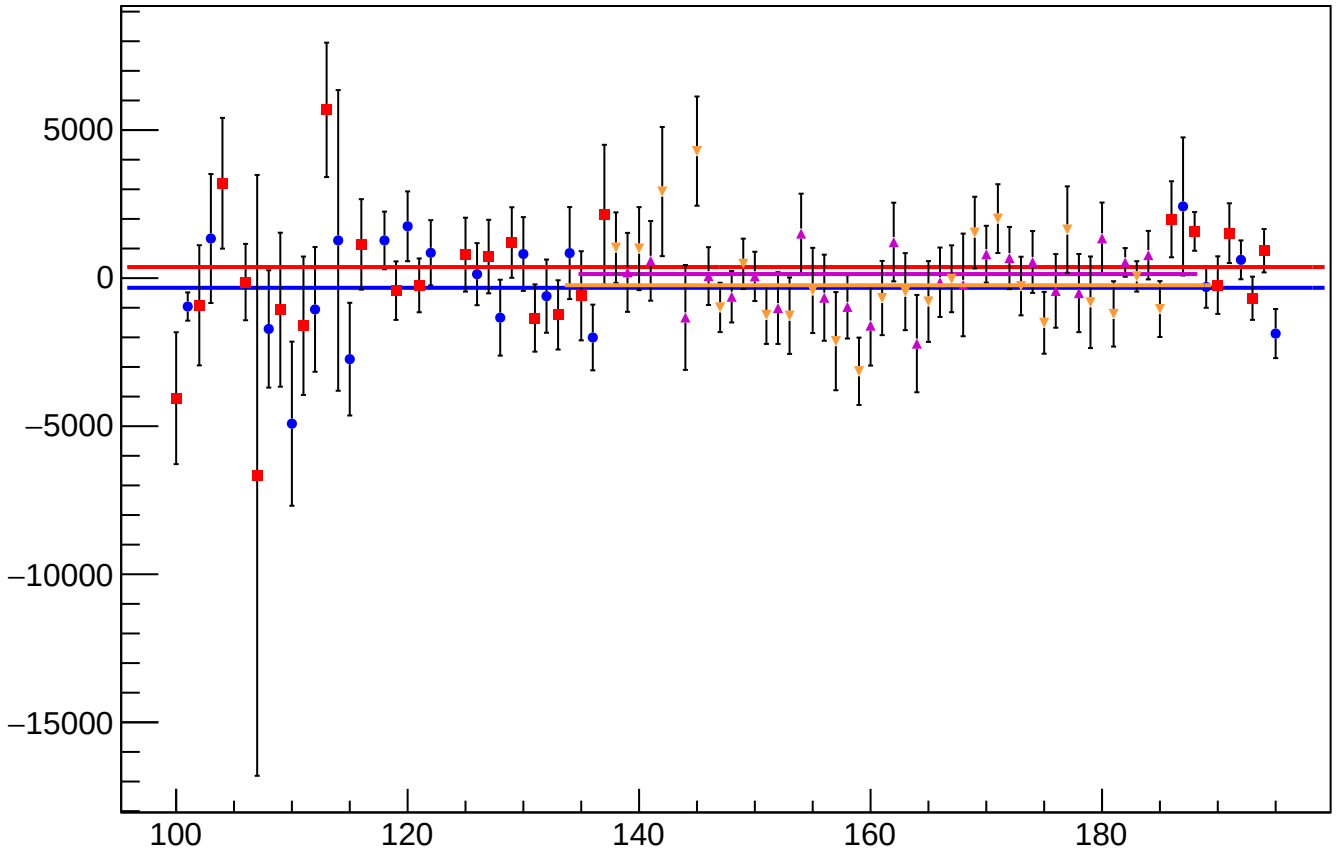
Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.2/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1488.667+/-0.198 χ^2/NDF: 151359.1/43

All: 1498.097+/-0.140 χ^2/NDF: 476049.1/90

- sign 1507.485+/-0.197 χ^2/NDF: 320158.6/46



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: 374.498+/-240.395 χ^2/NDF: 29.7/23

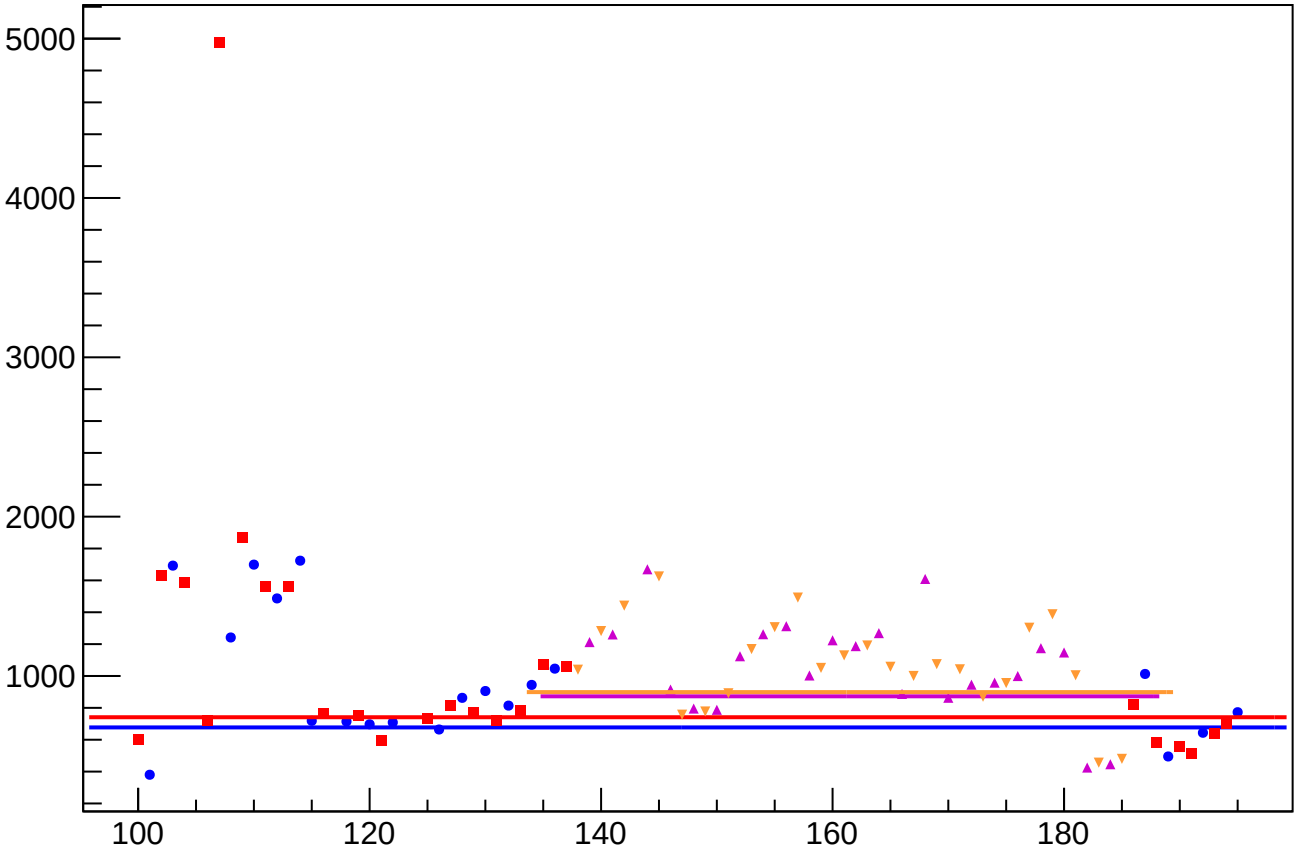
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -281.122+/-161.162 χ^2/NDF: 58.4/43

All: -18.804+/-114.142 χ^2/NDF: 106.9/90

\- sign 245.210+/-161.682 χ^2/NDF: 43.2/46

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



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: 741.123+/-0.170 χ^2/NDF: 2458516.5/23

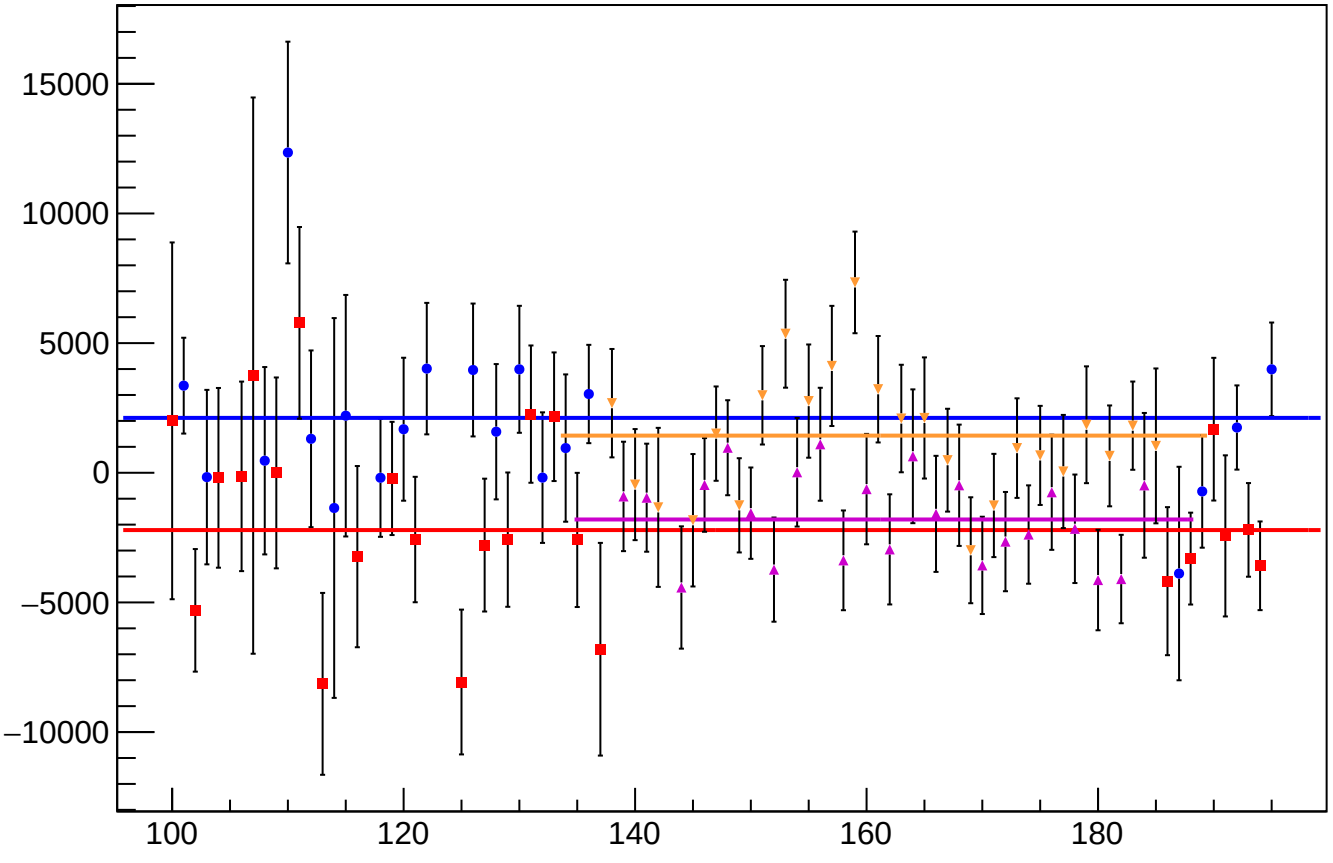
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 794.244+/-0.114 χ^2/NDF: 7387920.3/43

All: 803.620+/-0.081 χ^2/NDF: 14622544.3/90

- sign 813.057+/-0.114 χ^2/NDF: 7221041.8/46

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: -2209.899+/-548.221 χ^2/NDF: 27.1/23

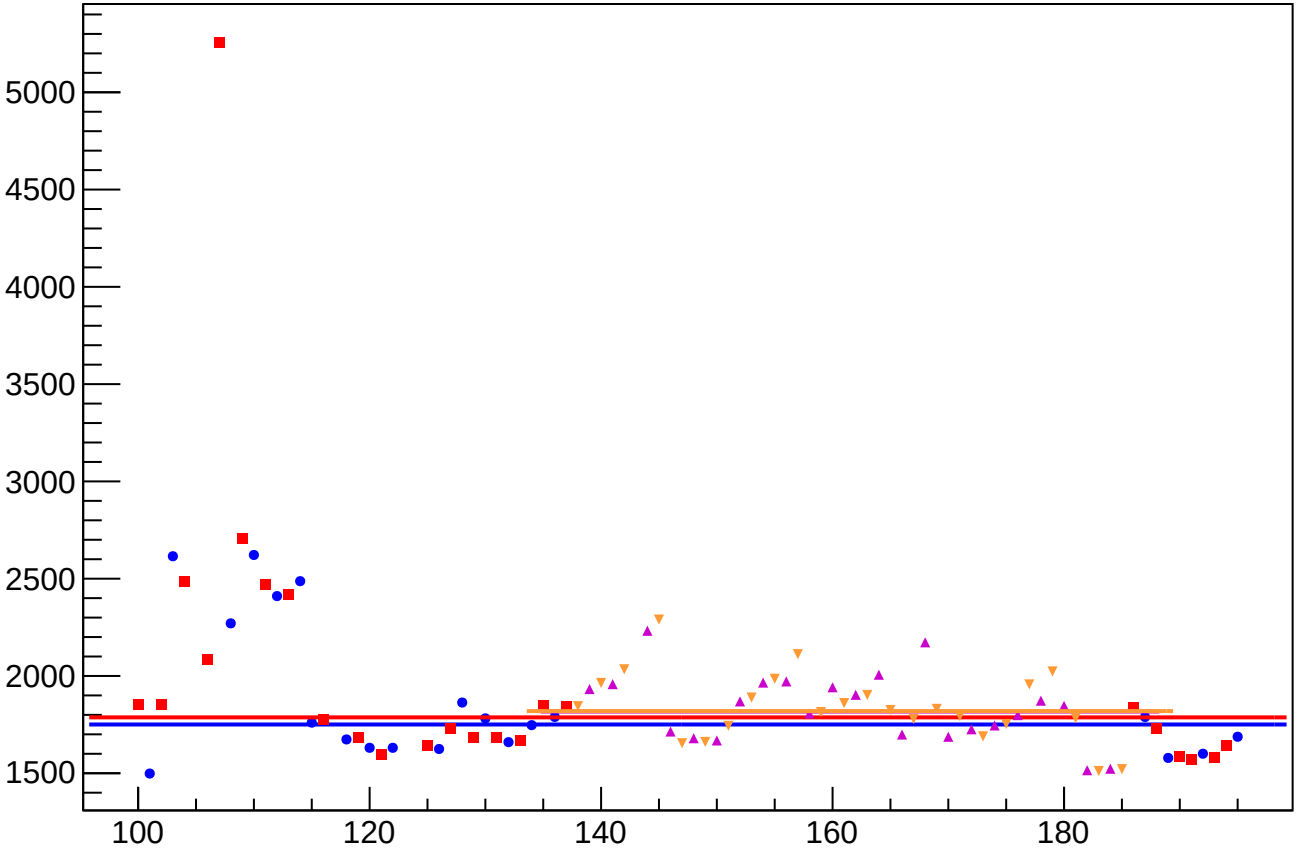
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1679.551+/-339.473 χ^2/NDF: 46.4/43

All: -153.324+/-239.028 χ^2/NDF: 147.0/90

- sign -1955.502+/-336.619 χ^2/NDF: 42.8/46

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: 1787.172+/-0.388 χ^2/NDF: 663207.5/23

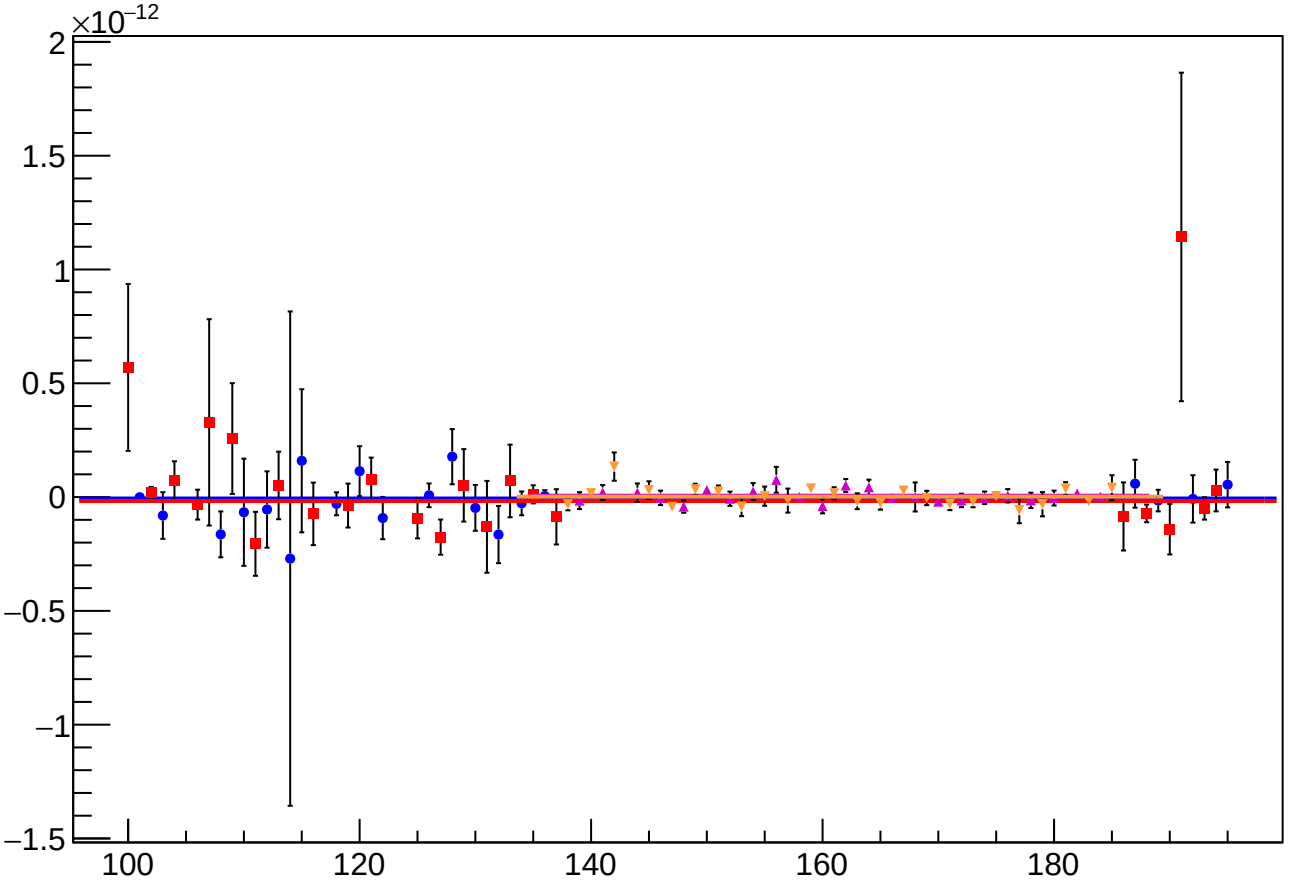
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1794.608+/-0.240 χ^2/NDF: 758213.1/43

All: 1800.273+/-0.169 χ^2/NDF: 1733351.6/90

- sign 1805.843+/-0.238 χ^2/NDF: 974034.0/46

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

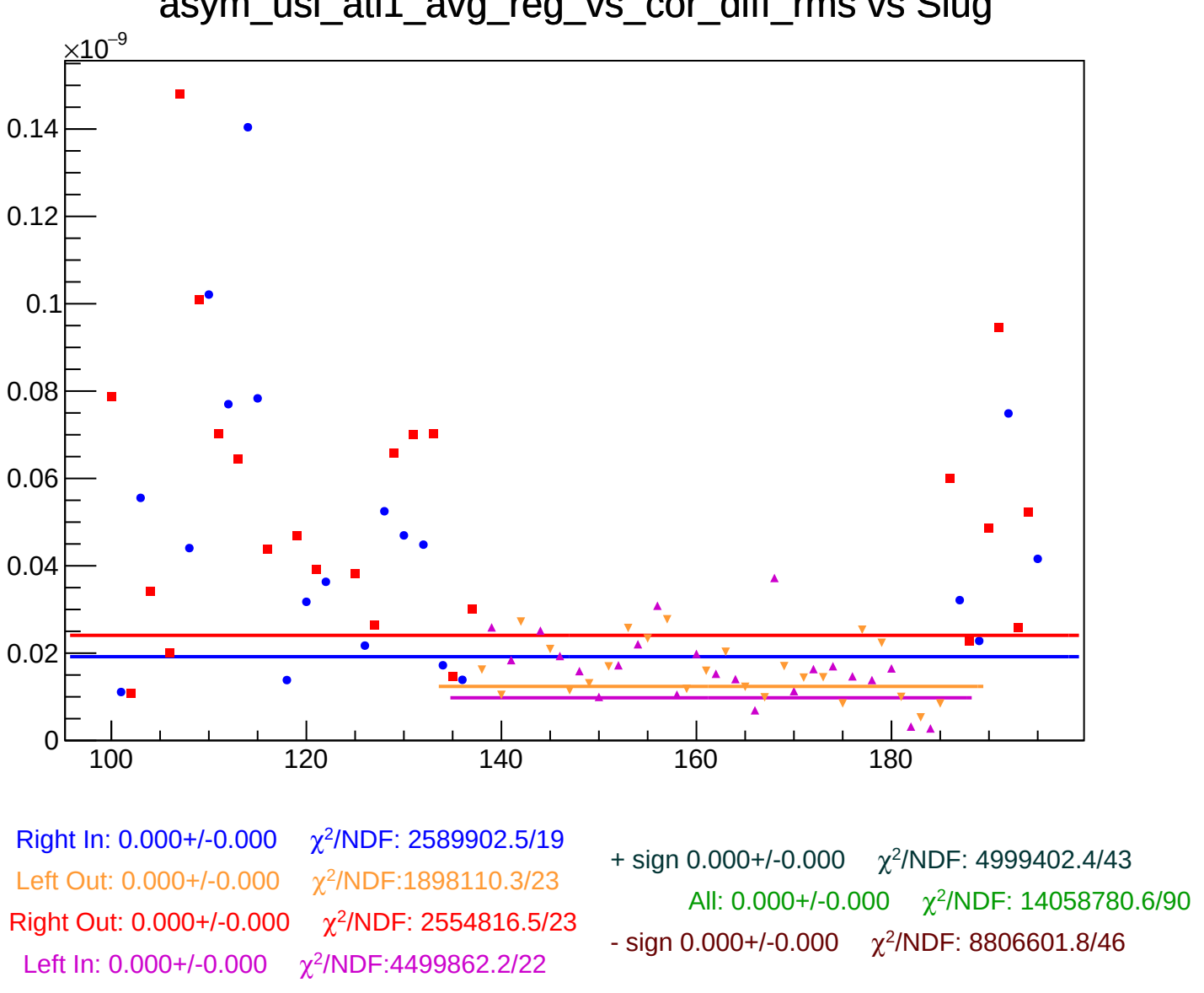
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/23

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

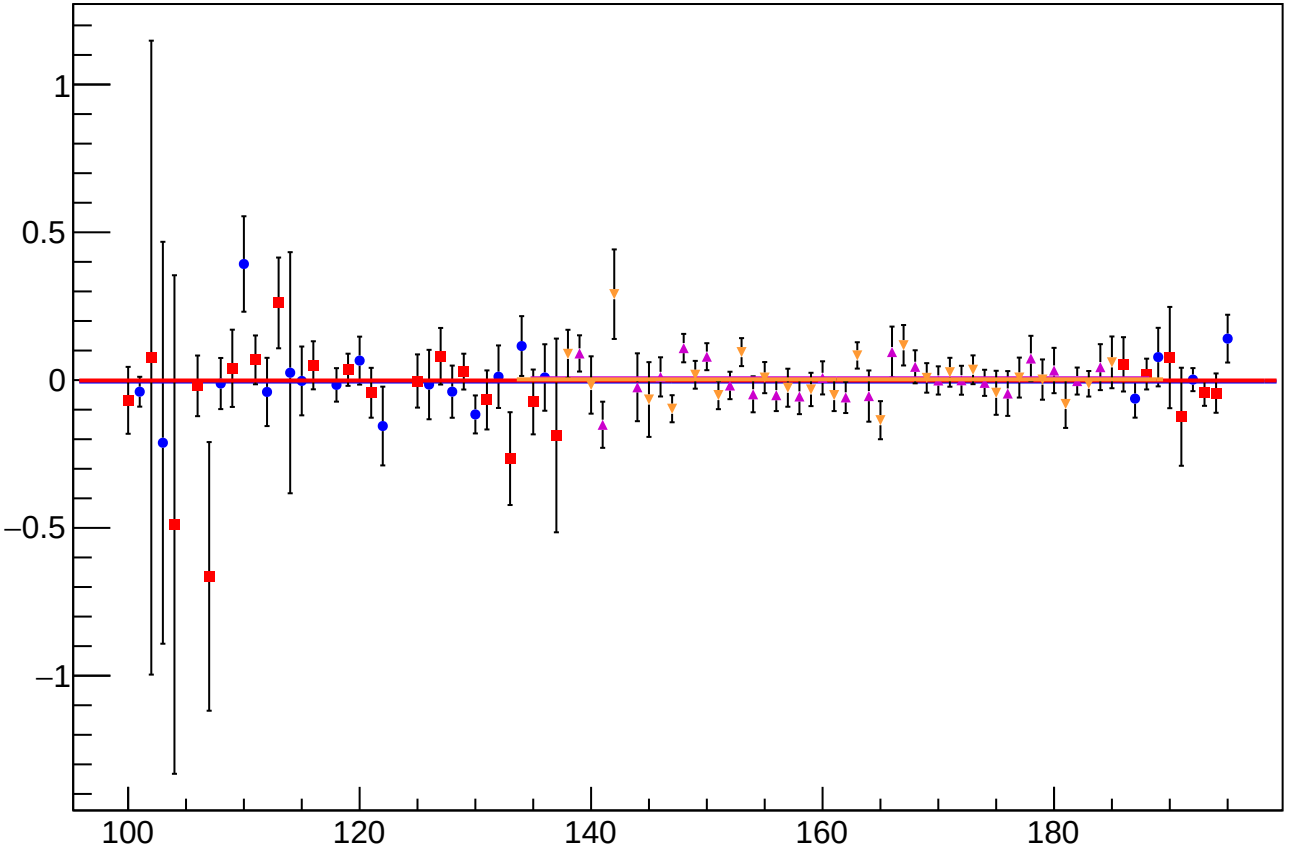
+ sign 0.000+/-0.000 χ^2/NDF: 40.7/43

All: 0.000+/-0.000 χ^2/NDF: 85.5/90

- sign 0.000+/-0.000 χ^2/NDF: 44.5/46


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
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: 2554816.5/23
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: 14058780.6/90
- sign 0.000+/-0.000 χ²/NDF: 8806601.8/46

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: 15.3/23

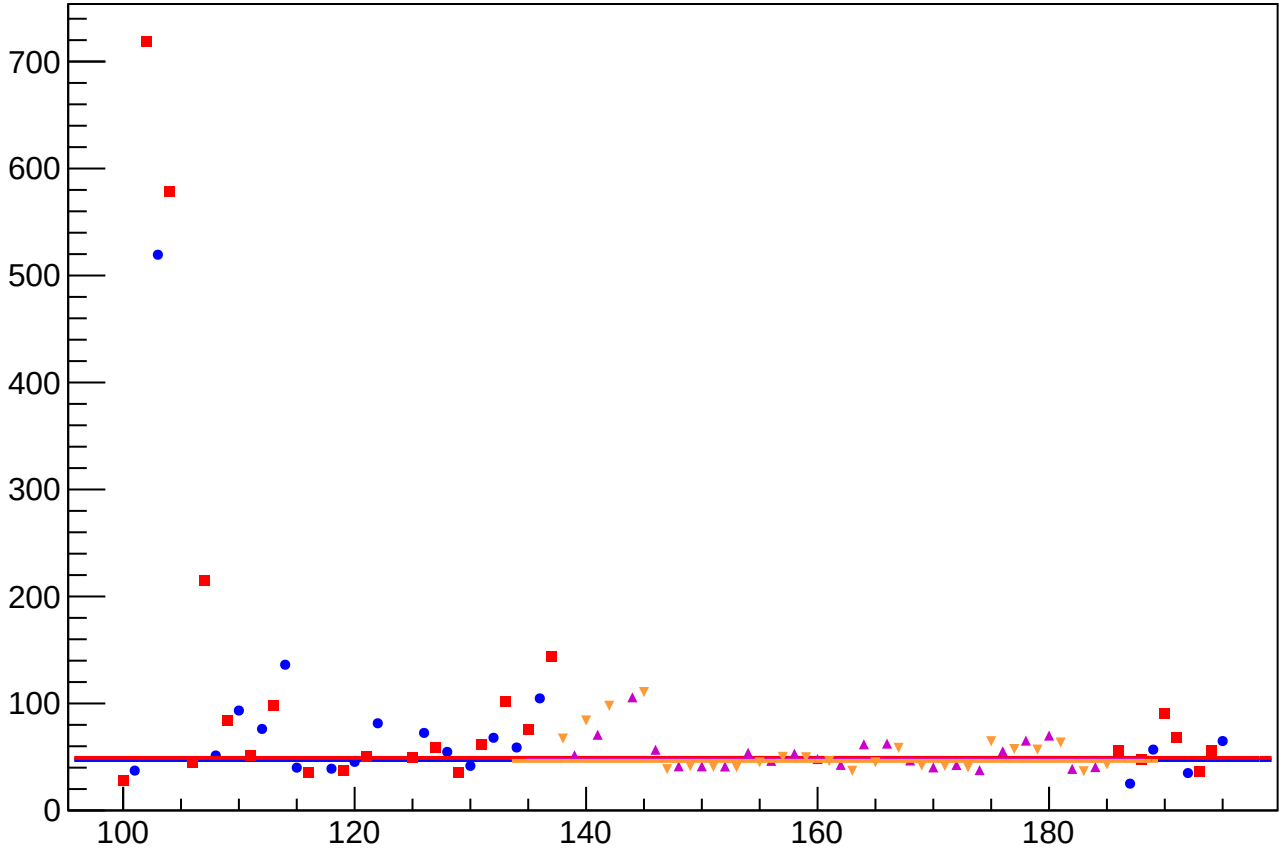
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/90

- sign 0.004+/-0.010 χ^2/NDF: 37.1/46

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: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

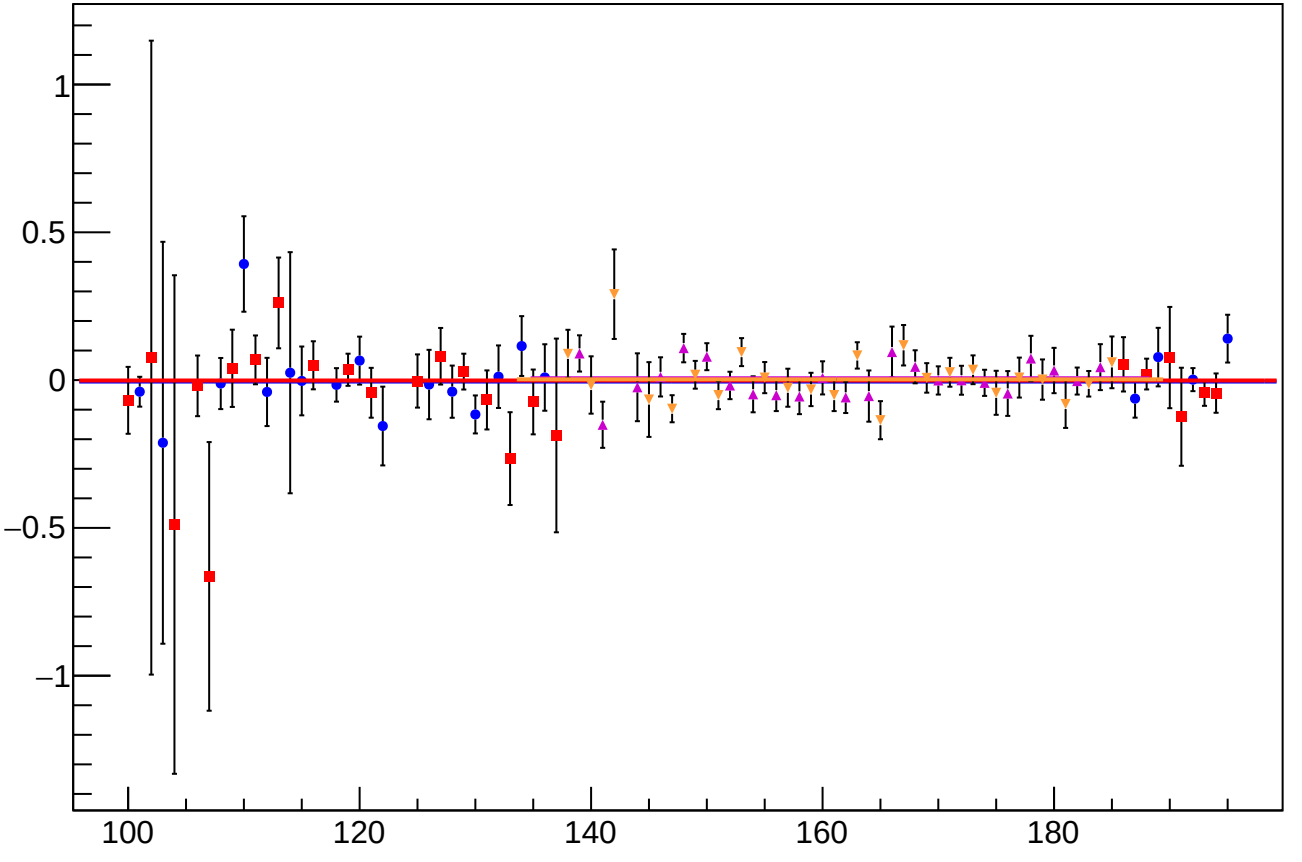
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.615+/-0.007 χ^2/NDF: 4883110.8/43

All: 47.324+/-0.005 χ^2/NDF: 9901581.9/90

- sign 48.052+/-0.007 χ^2/NDF: 4997746.9/46

asym_usl_atl1_avg_dit_vs_eigen_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: 15.3/23

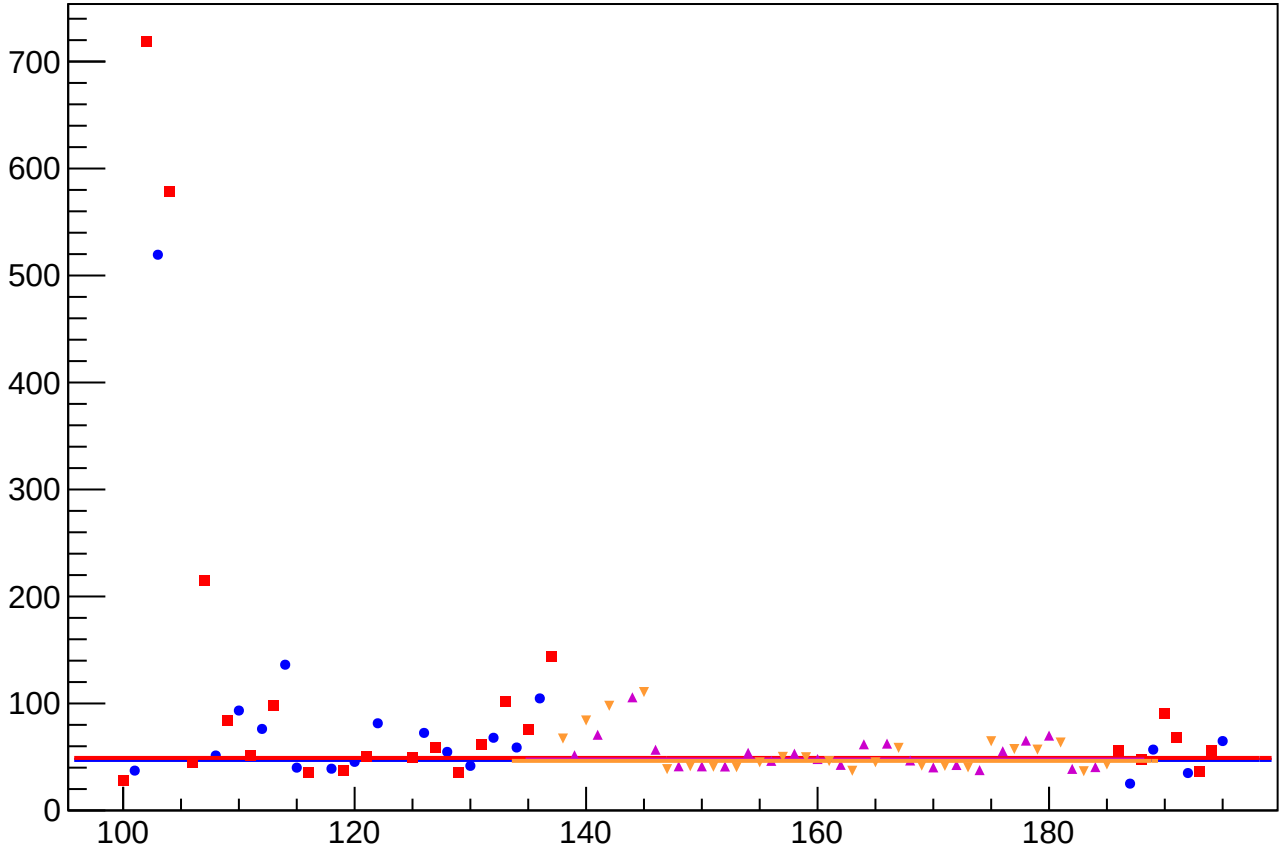
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 48.2/43

All: 0.002+/-0.007 χ^2/NDF: 85.3/90

- sign 0.004+/-0.010 χ^2/NDF: 37.1/46

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

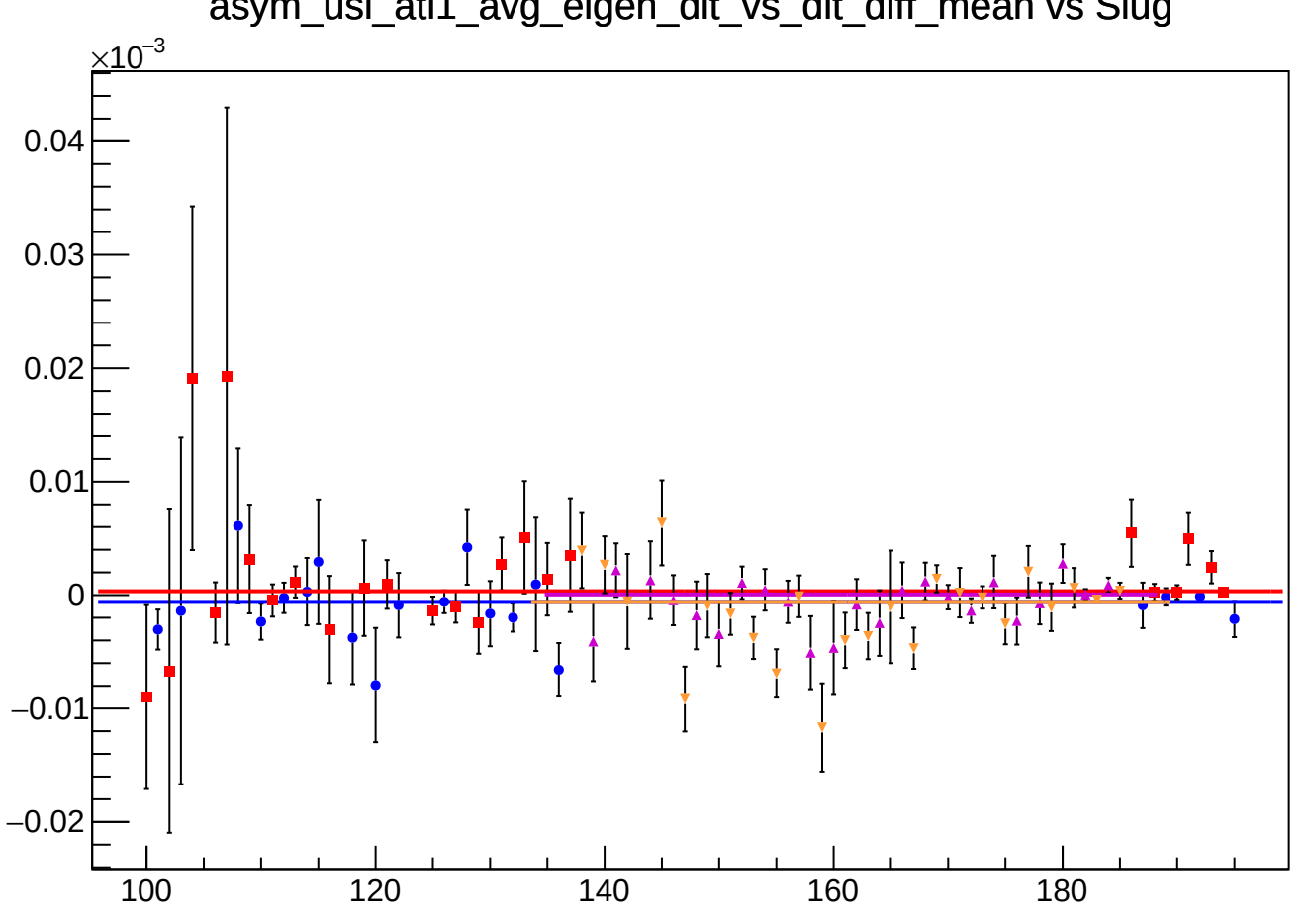
Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.615+/-0.007 χ^2/NDF: 4883110.8/43

All: 47.324+/-0.005 χ^2/NDF: 9901581.9/90

- sign 48.052+/-0.007 χ^2/NDF: 4997746.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

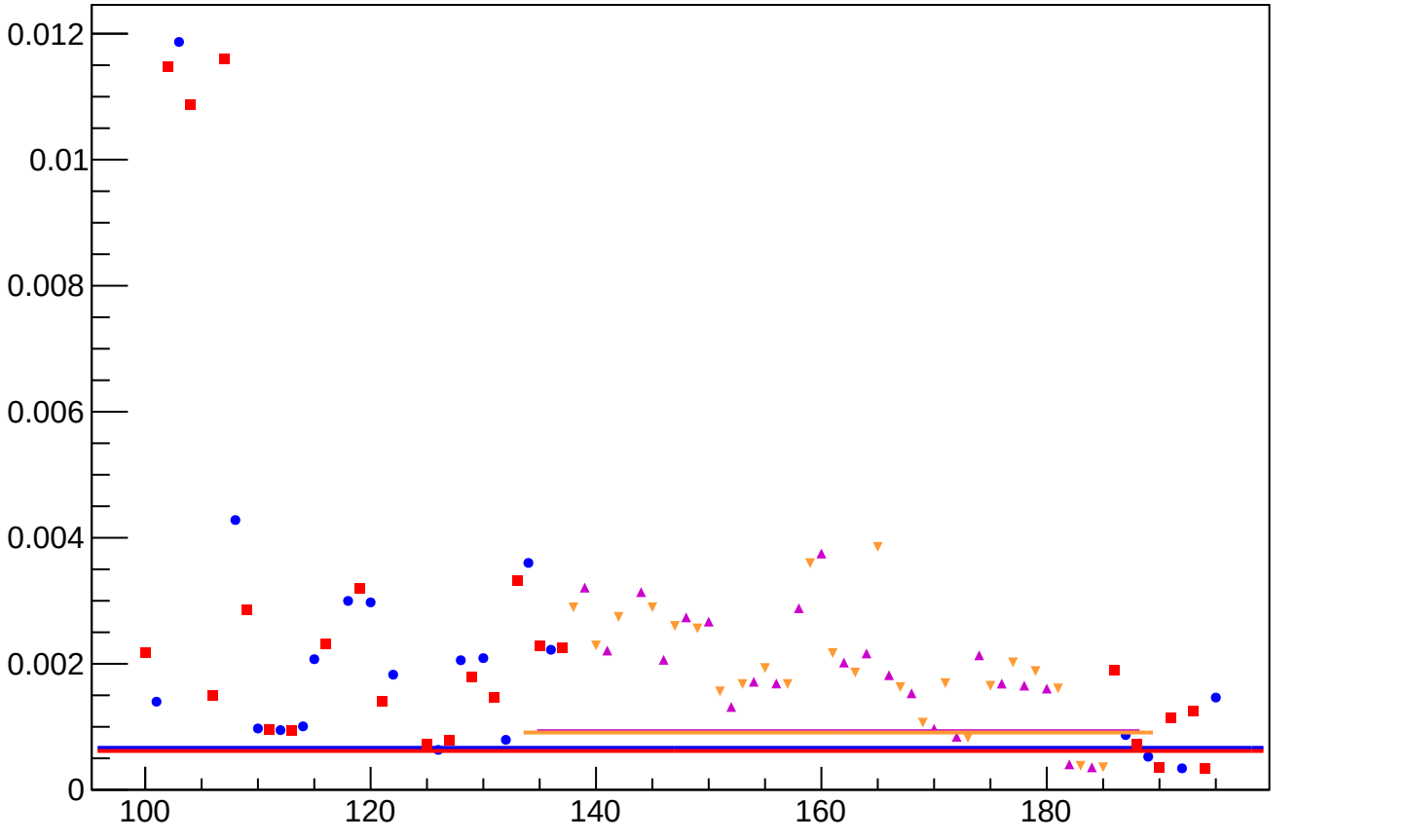
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/23

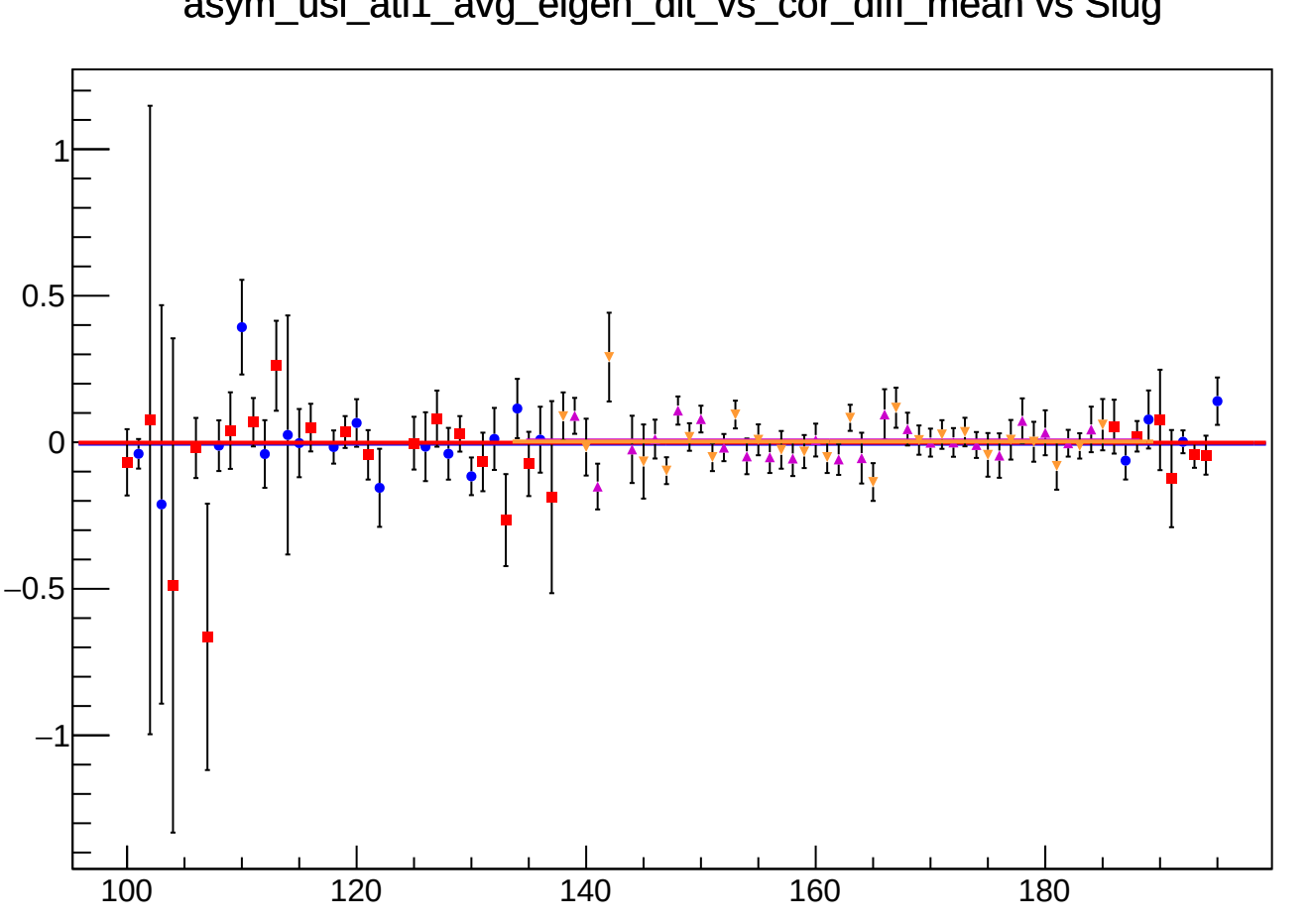
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.1/43

All: -0.000+/-0.000 χ^2/NDF: 123.1/90

- sign 0.000+/-0.000 χ^2/NDF: 40.1/46


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 7803845.9/19
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 9159778.3/23
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 22683327.9/43
All: 0.001+/-0.000 χ²/NDF: 46924462.6/90
- sign 0.001+/-0.000 χ²/NDF: 24210224.1/46



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

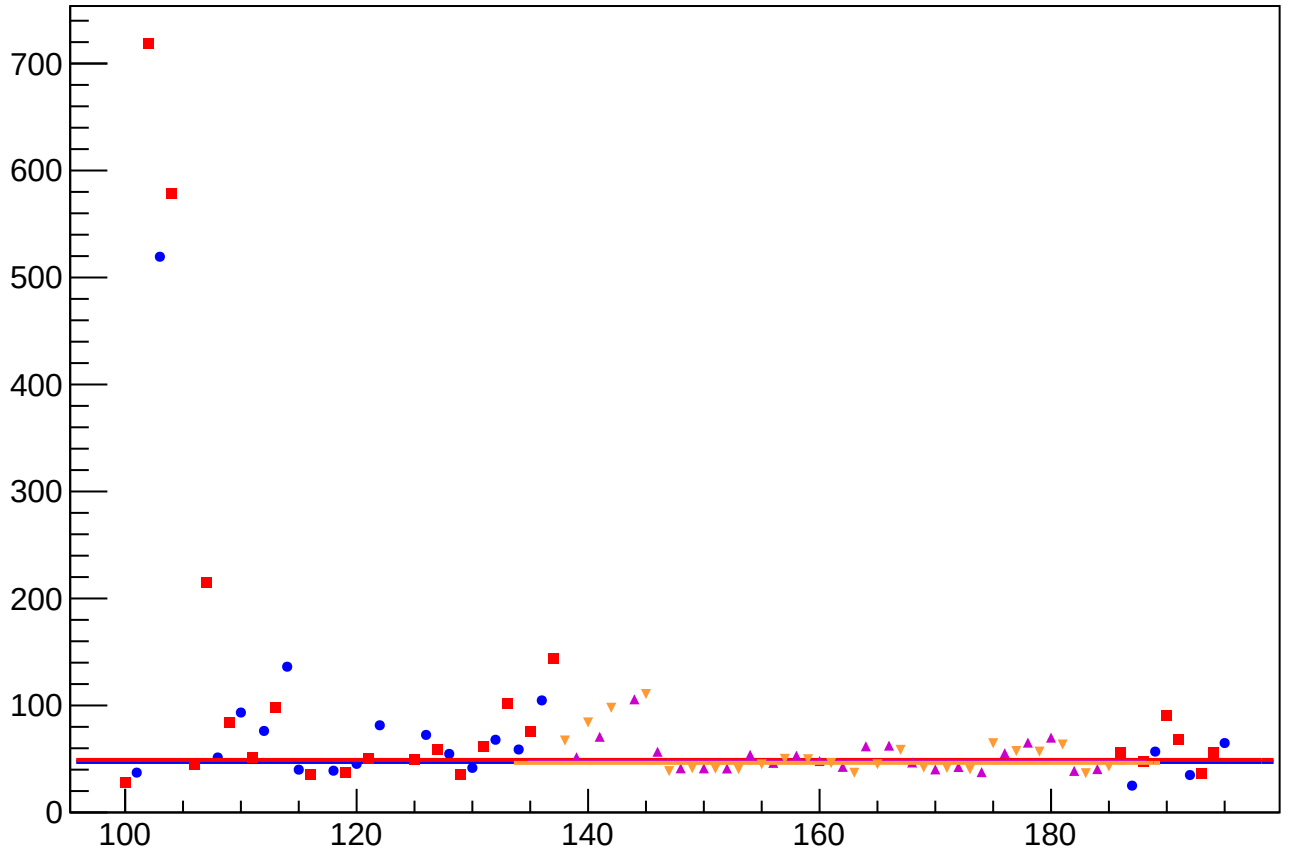
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/23

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: 85.3/90

- sign 0.004+/-0.010 χ^2/NDF: 37.0/46



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: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

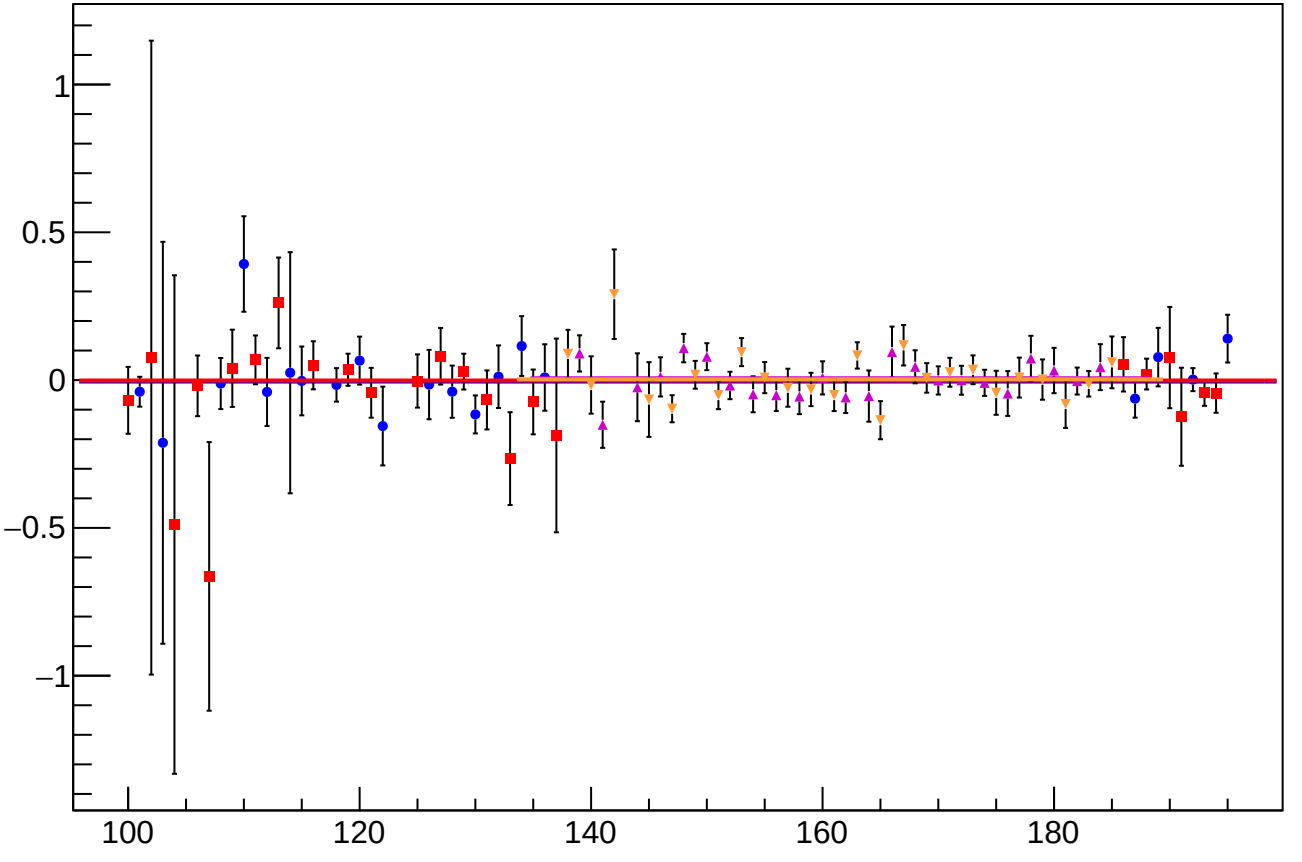
Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

\+ sign 46.615+/-0.007 χ^2/NDF: 4883097.4/43

All: 47.324+/-0.005 χ^2/NDF: 9901561.3/90

\- sign 48.052+/-0.007 χ^2/NDF: 4997743.4/46

asym_usl_atl1_avg_eigen_dit_vs_eigen_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

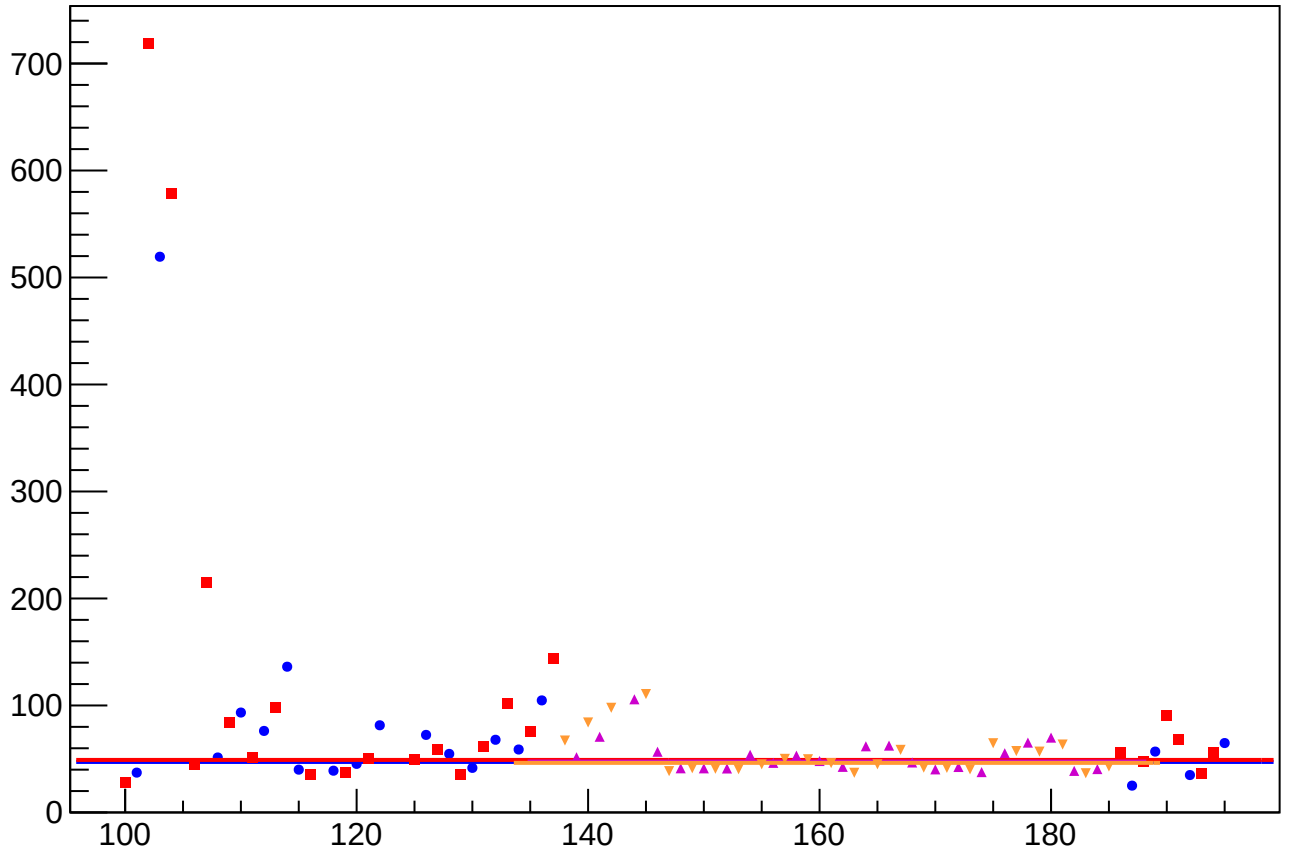
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/23

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: 85.3/90

- sign 0.004+/-0.010 χ^2/NDF: 37.0/46



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.6/19

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

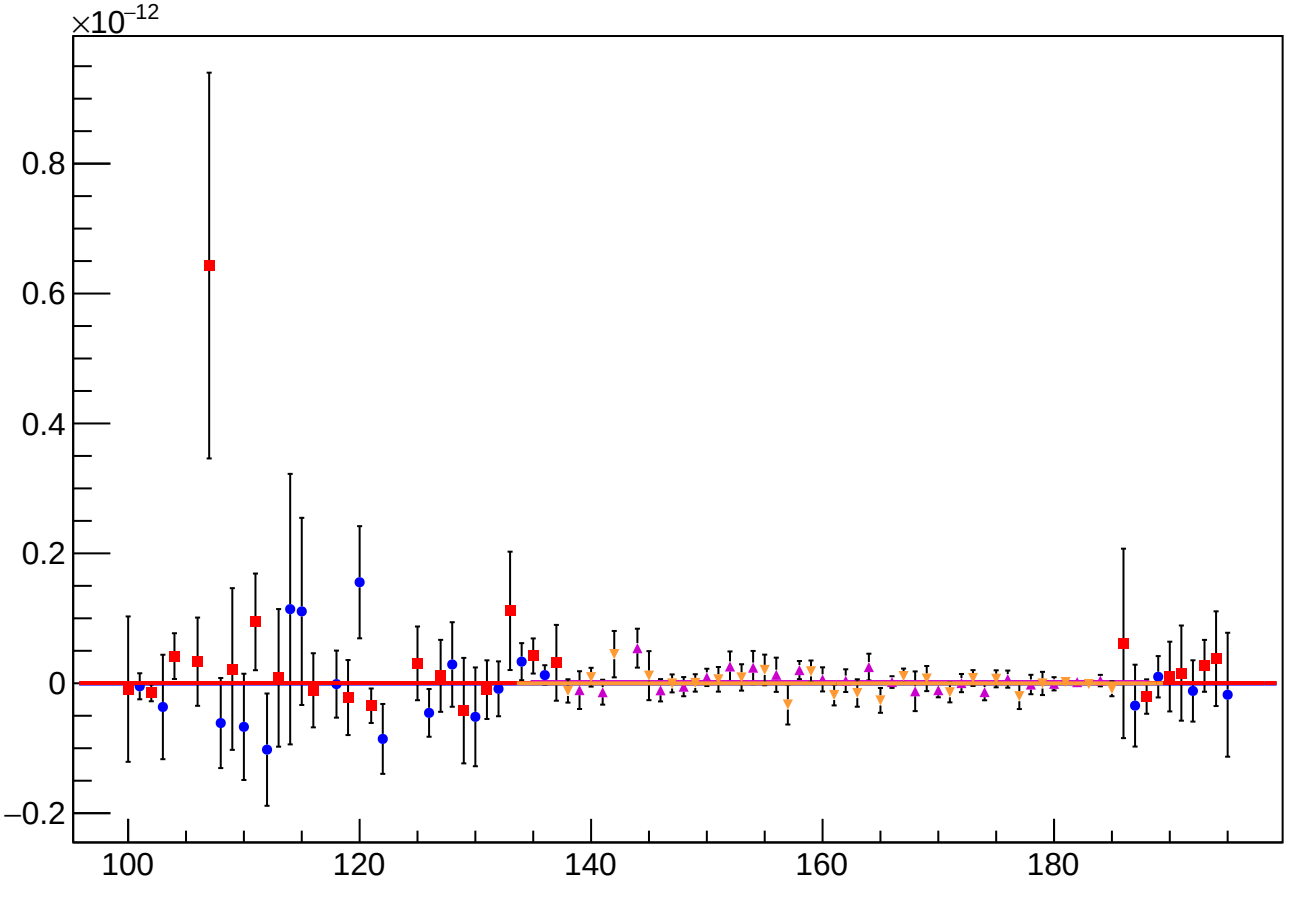
Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.615+/-0.007 χ^2/NDF: 4883097.4/43

All: 47.324+/-0.005 χ^2/NDF: 9901561.3/90

- sign 48.052+/-0.007 χ^2/NDF: 4997743.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

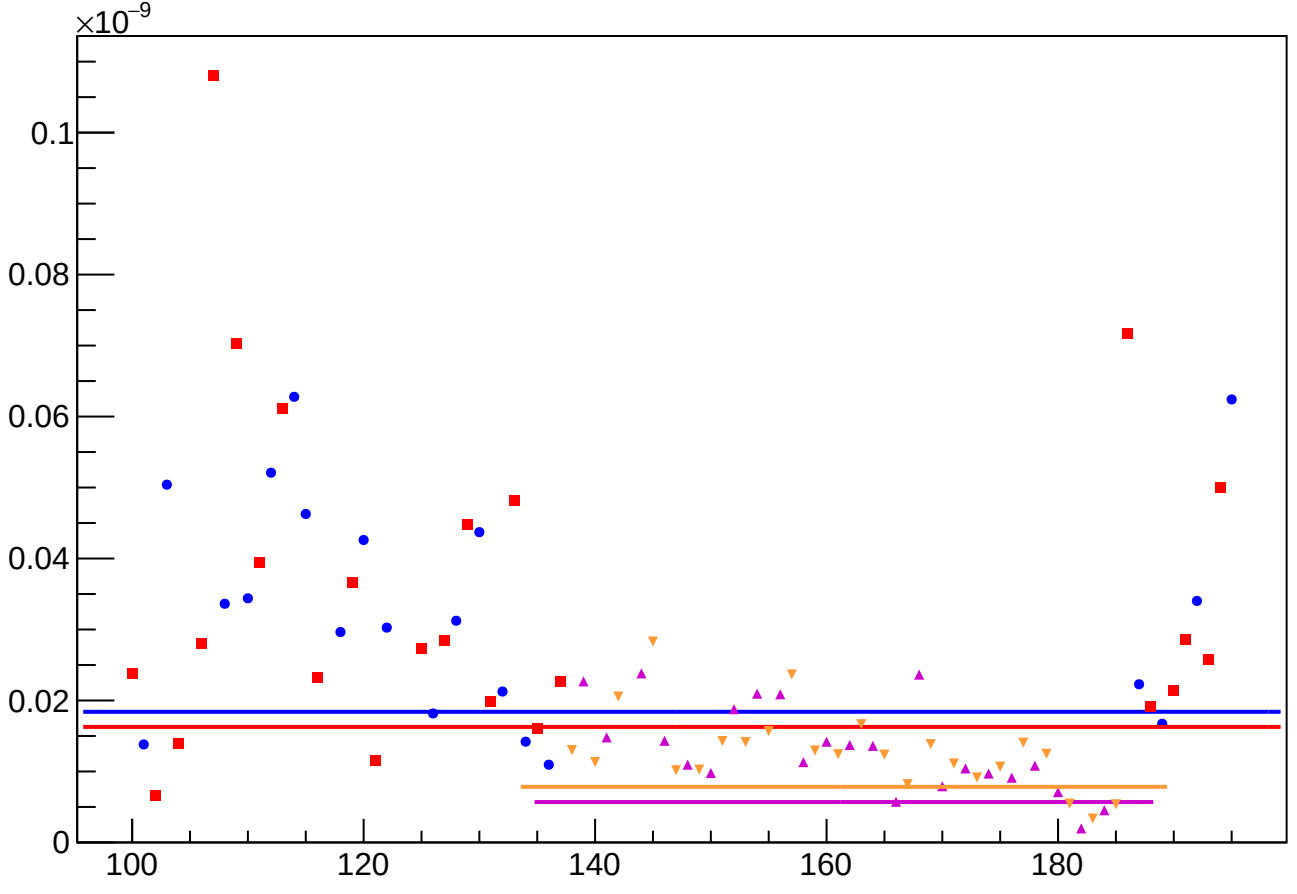
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/23

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: 59.8/90

- sign 0.000+/-0.000 χ^2/NDF: 31.0/46



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: 4269604.9/23

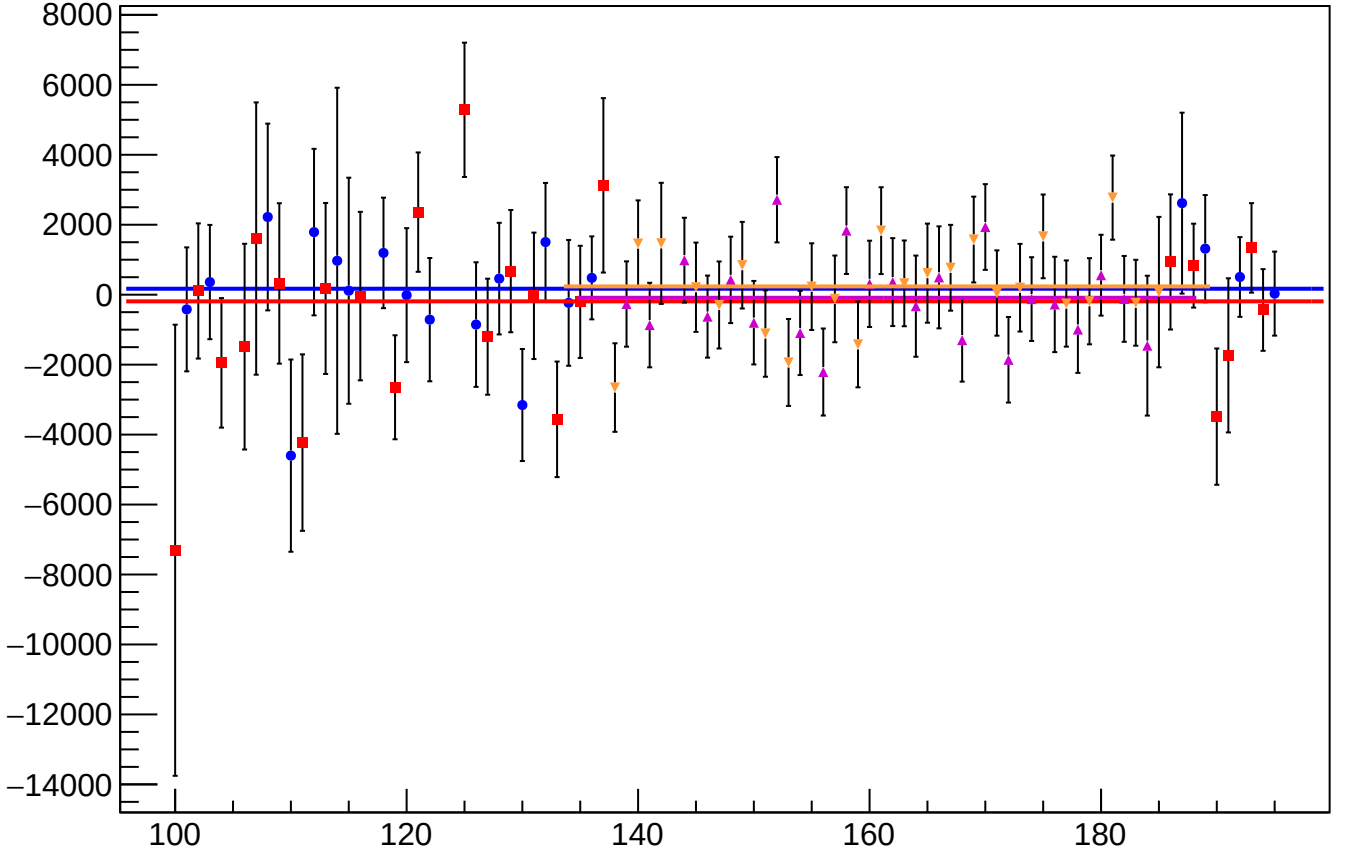
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12031626.2/43

All: 0.000+/-0.000 χ^2/NDF: 31733763.5/90

- sign 0.000+/-0.000 χ^2/NDF: 18677082.3/46

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: -190.714+/-372.412 χ^2/NDF: 30.7/23

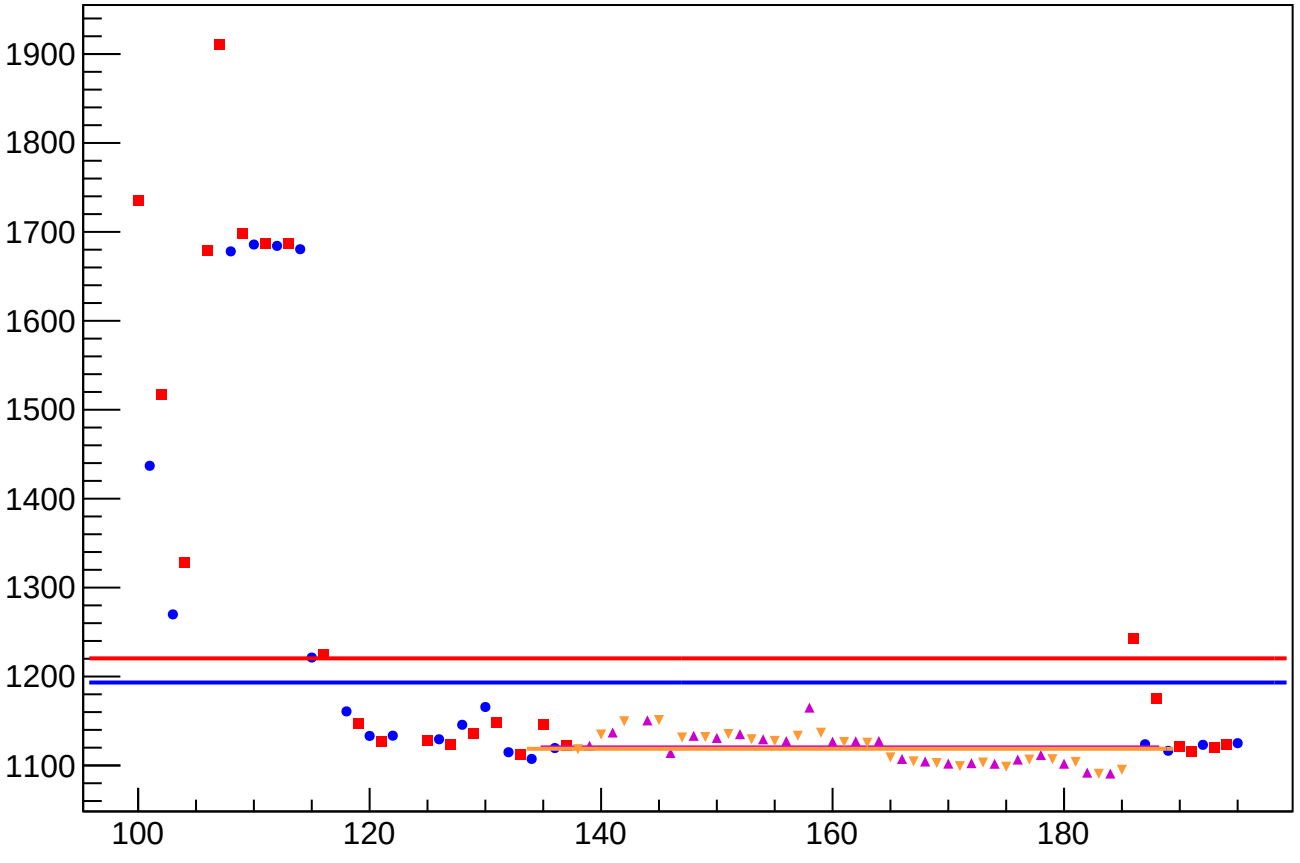
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 215.843+/-215.110 χ^2/NDF: 34.6/43

All: 46.003+/-151.735 χ^2/NDF: 87.5/90

- sign -122.192+/-214.066 χ^2/NDF: 51.7/46

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: 1220.427+/-0.263 χ^2/NDF: 490778.1/23

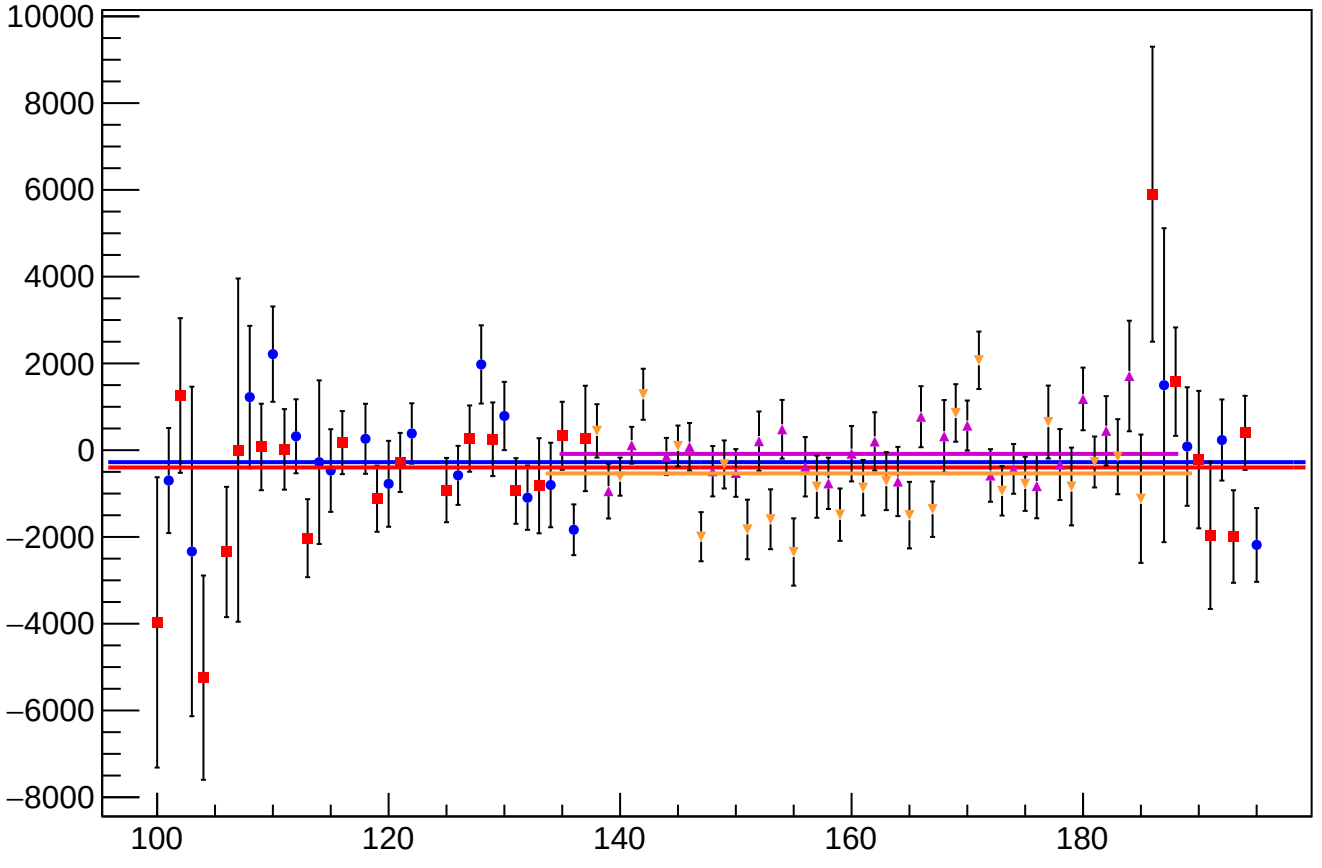
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.781+/-0.107 χ^2/NDF: 983941.1/90

- sign 1153.388+/-0.151 χ^2/NDF: 597047.4/46

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: -398.069+/-204.999 χ^2/NDF: 26.8/23

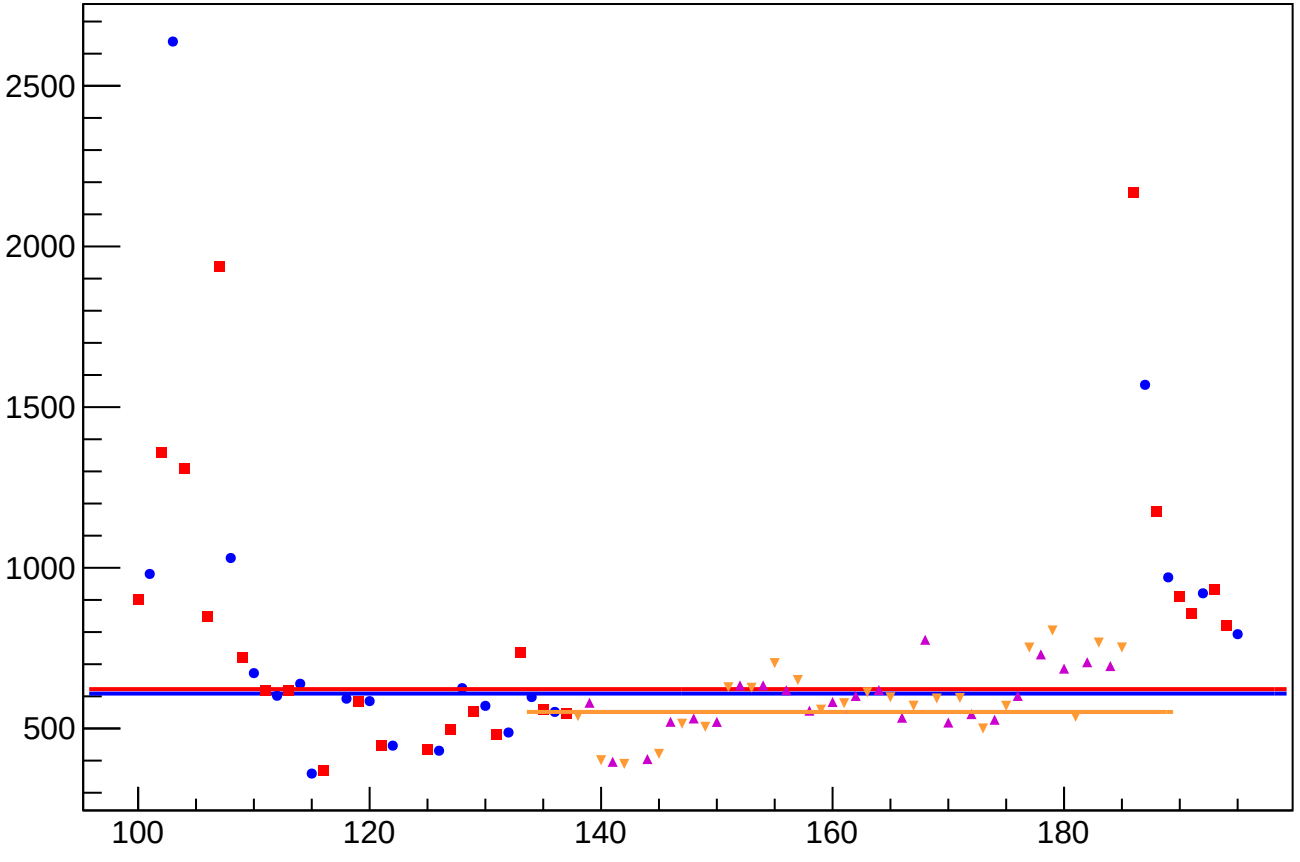
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -462.085+/-110.527 χ^2/NDF: 93.7/43

All: -318.794+/-78.097 χ^2/NDF: 142.6/90

- sign -175.922+/-110.366 χ^2/NDF: 45.6/46

asym_usl_atl1_dd_reg_correction_rms vs Slug



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: 622.456+/-0.145 χ^2/NDF: 2689328.6/23

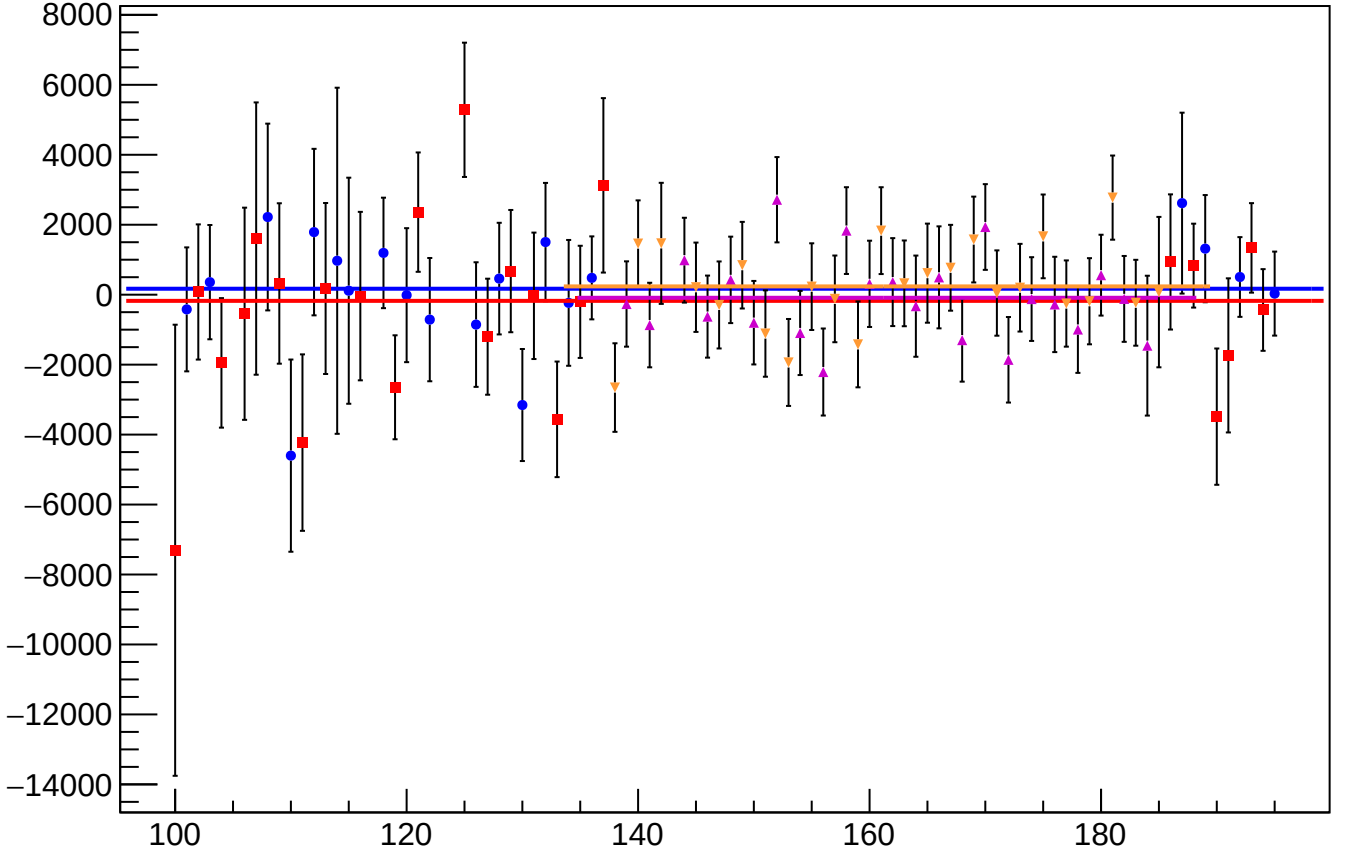
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 567.700+/-0.078 χ^2/NDF: 3295088.5/43

All: 569.828+/-0.055 χ^2/NDF: 7218607.6/90

- sign 571.950+/-0.078 χ^2/NDF: 3922038.2/46

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: -176.431+/-372.593 χ^2/NDF: 30.6/23

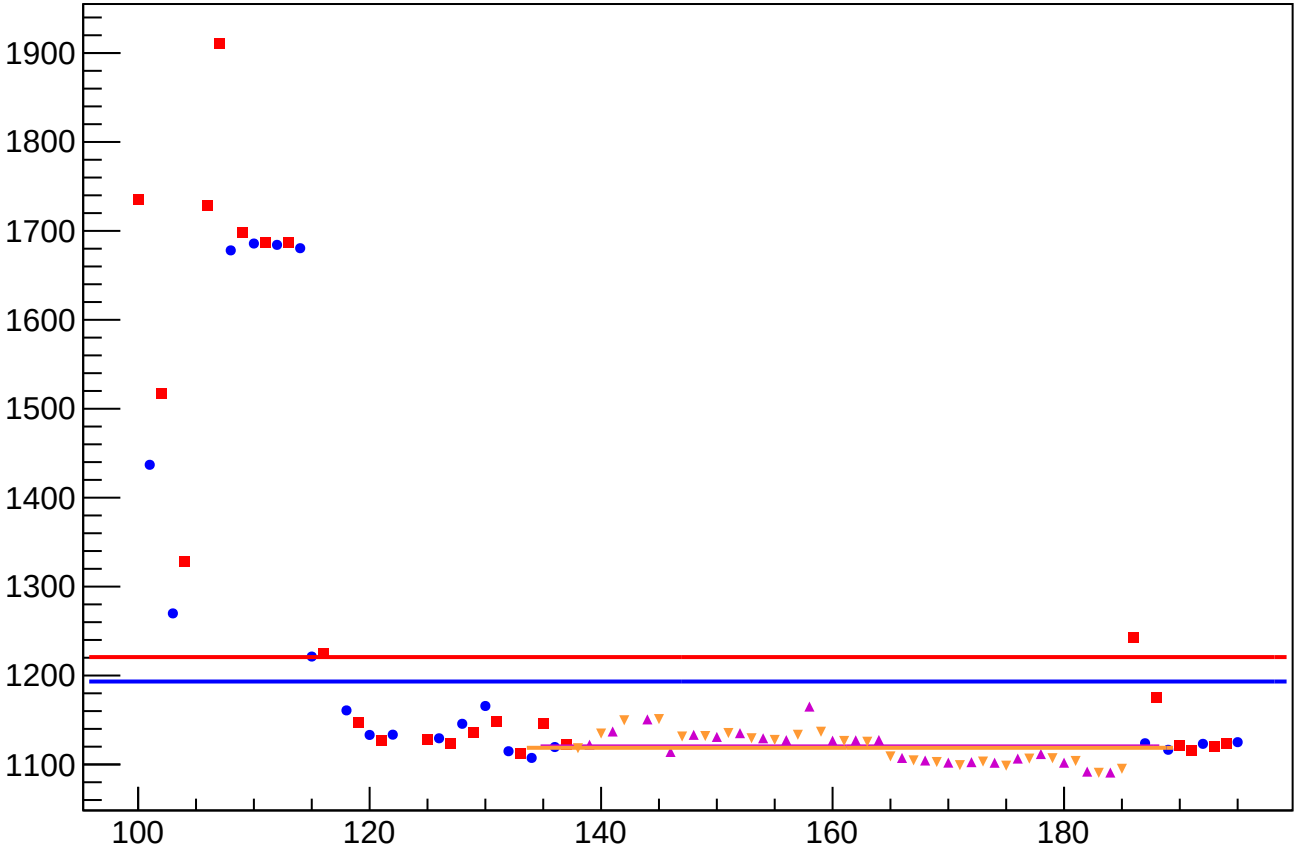
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 215.820+/-215.110 χ^2/NDF: 34.6/43

All: 48.402+/-151.747 χ^2/NDF: 87.3/90

- sign -117.447+/-214.100 χ^2/NDF: 51.5/46

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: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

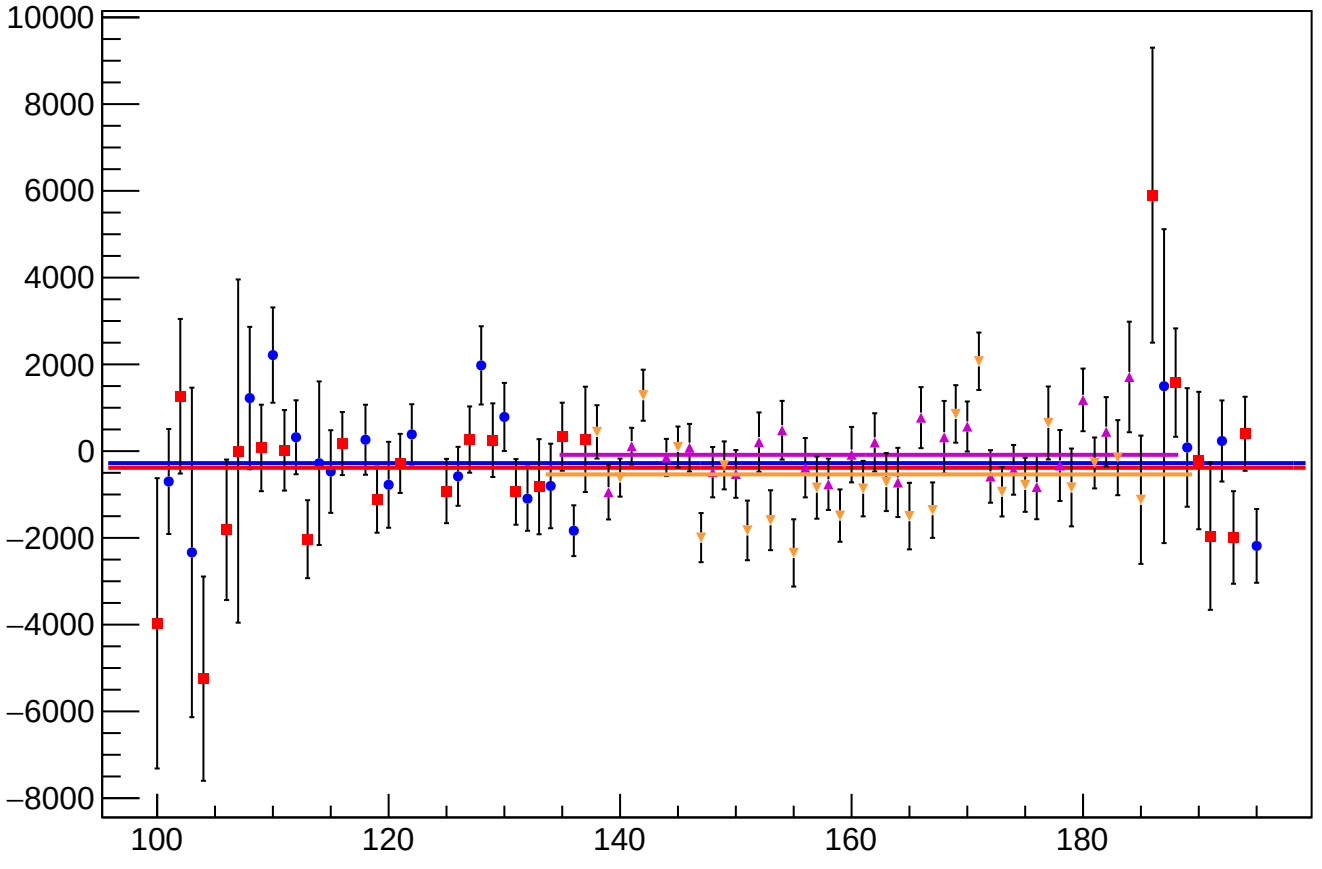
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.821+/-0.107 χ^2/NDF: 992112.0/90

- sign 1153.470+/-0.151 χ^2/NDF: 605178.3/46

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: -384.452+/-205.266 χ^2/NDF: 25.9/23

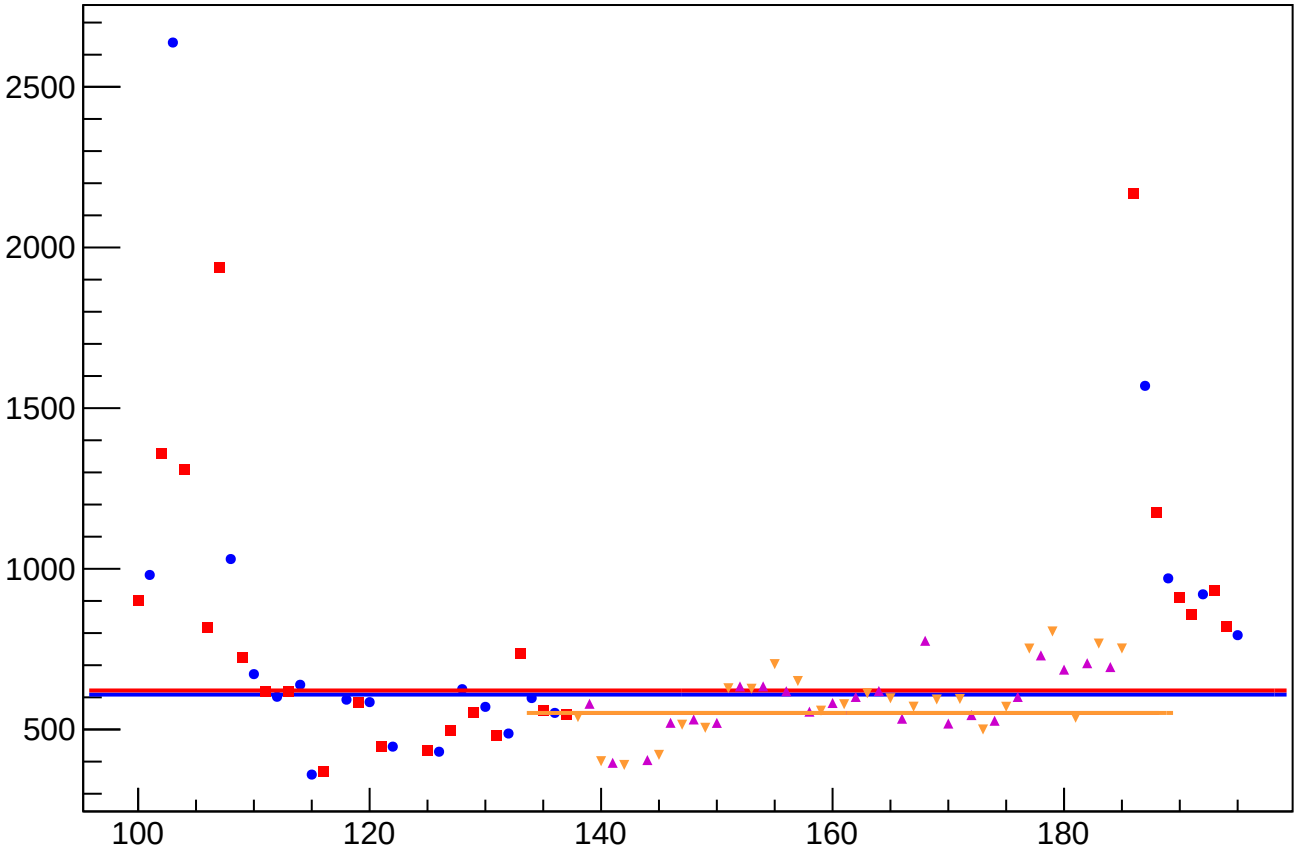
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -462.104+/-110.527 χ^2/NDF: 93.7/43

All: -316.798+/-78.112 χ^2/NDF: 141.7/90

\- sign -171.806+/-110.407 χ^2/NDF: 44.5/46

asym_usl_atl1_dd_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: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

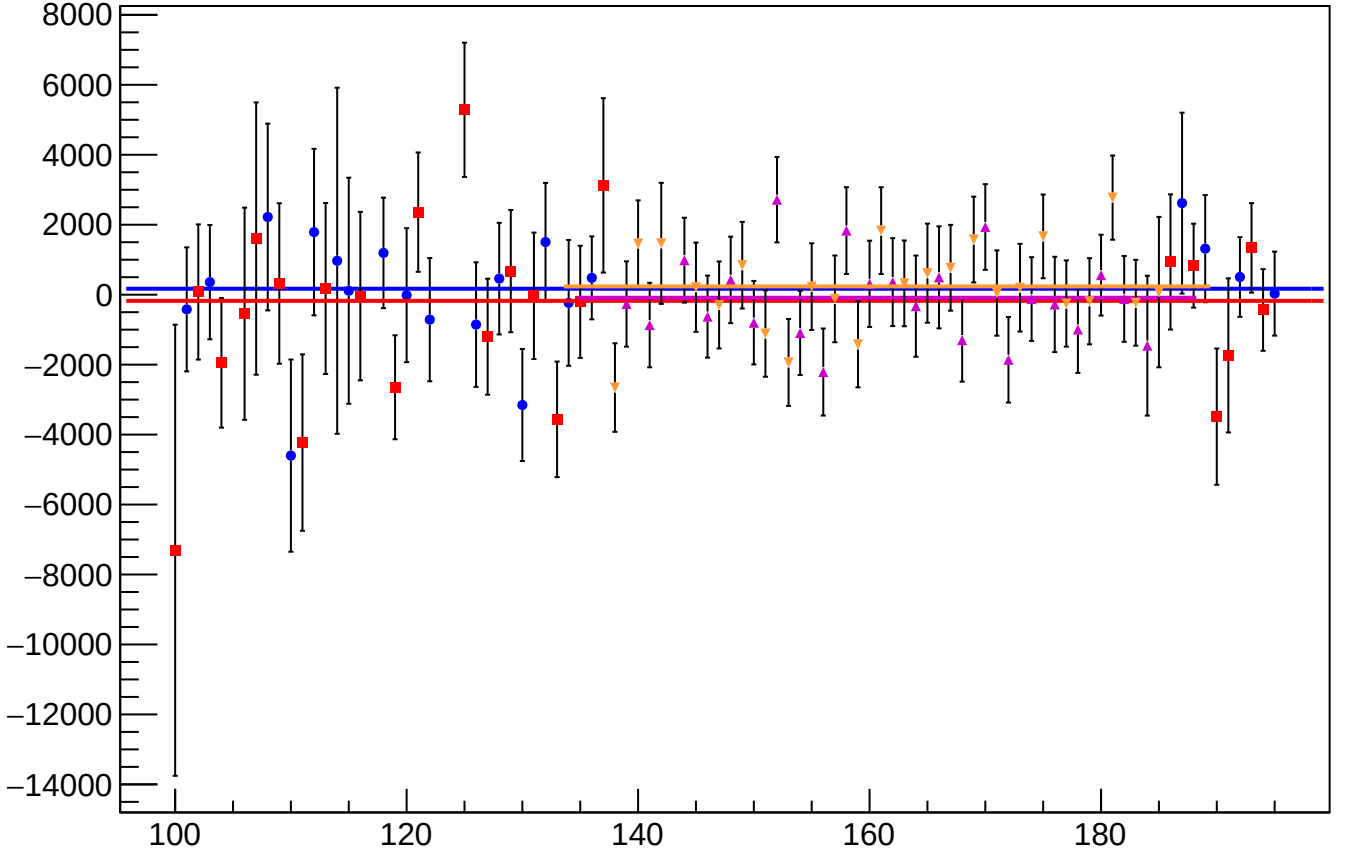
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 567.698+/-0.078 χ^2/NDF: 3295081.7/43

All: 569.649+/-0.055 χ^2/NDF: 7196811.4/90

- sign 571.595+/-0.078 χ^2/NDF: 3900485.3/46

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: -176.431+/-372.593 χ^2/NDF: 30.6/23

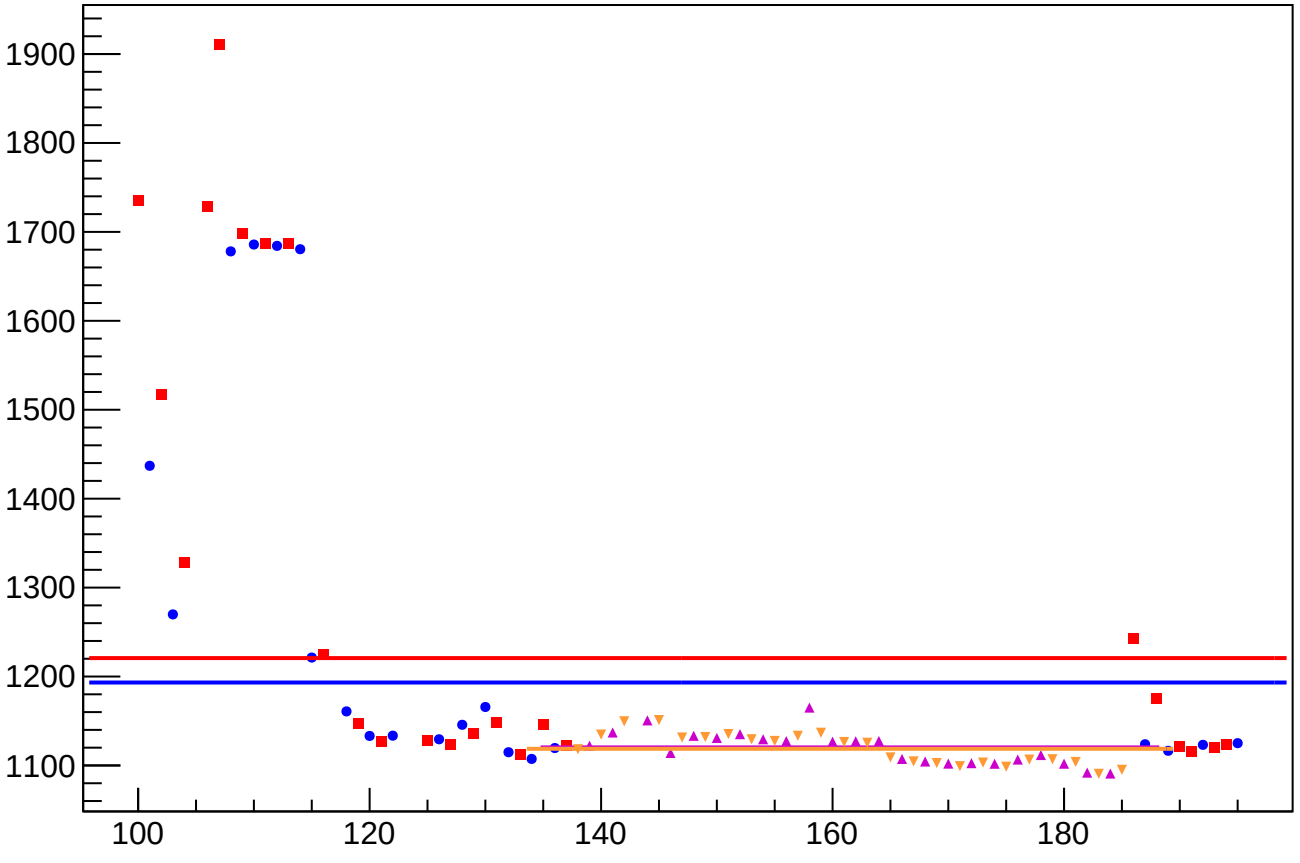
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 215.820+/-215.110 χ^2/NDF: 34.6/43

All: 48.402+/-151.747 χ^2/NDF: 87.3/90

- sign -117.447+/-214.100 χ^2/NDF: 51.5/46

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

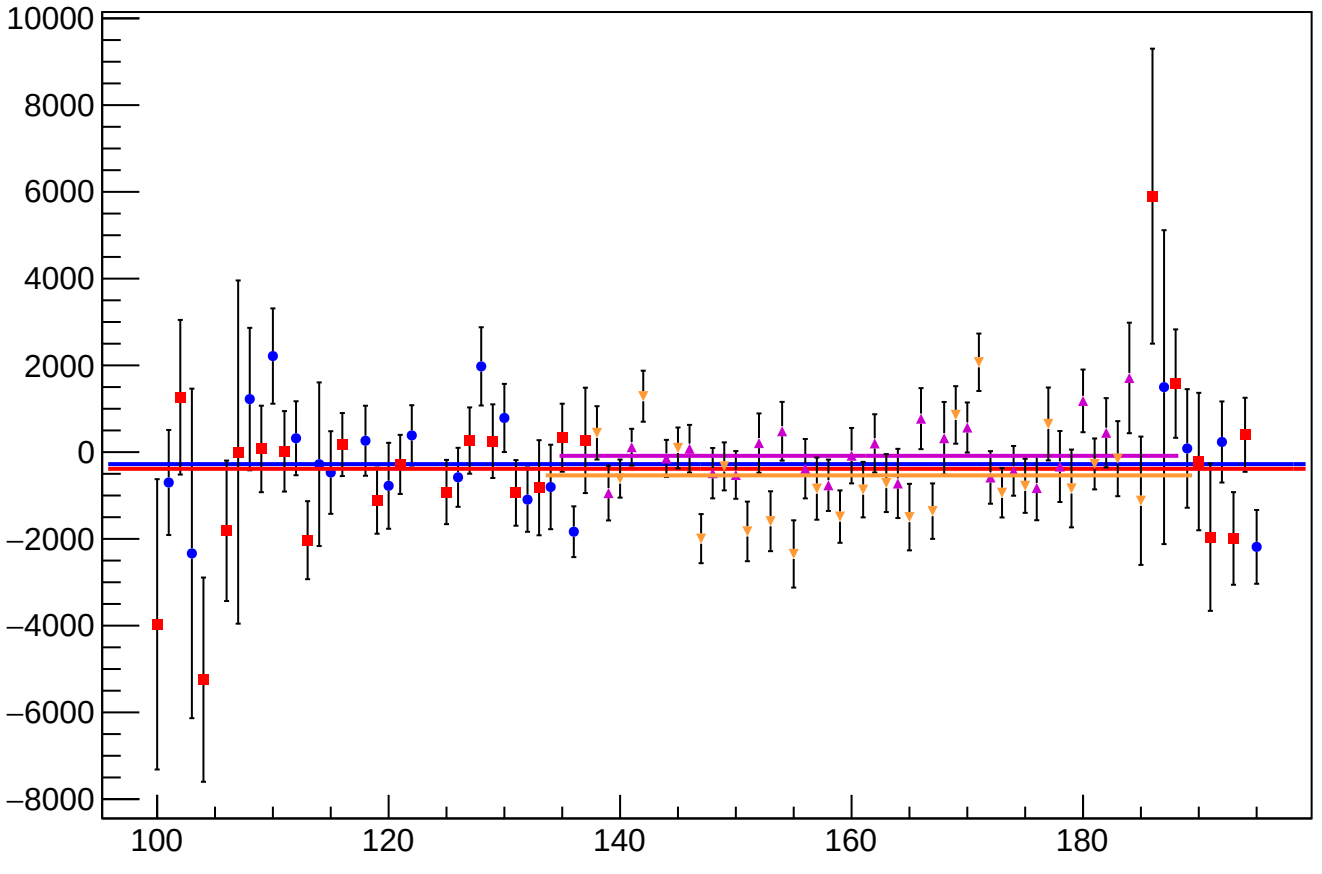
Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.118+/-0.152 χ^2/NDF: 384135.6/43

All: 1147.821+/-0.107 χ^2/NDF: 992112.0/90

- sign 1153.470+/-0.151 χ^2/NDF: 605178.3/46



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: -384.452+/-205.266 χ^2/NDF: 25.9/23

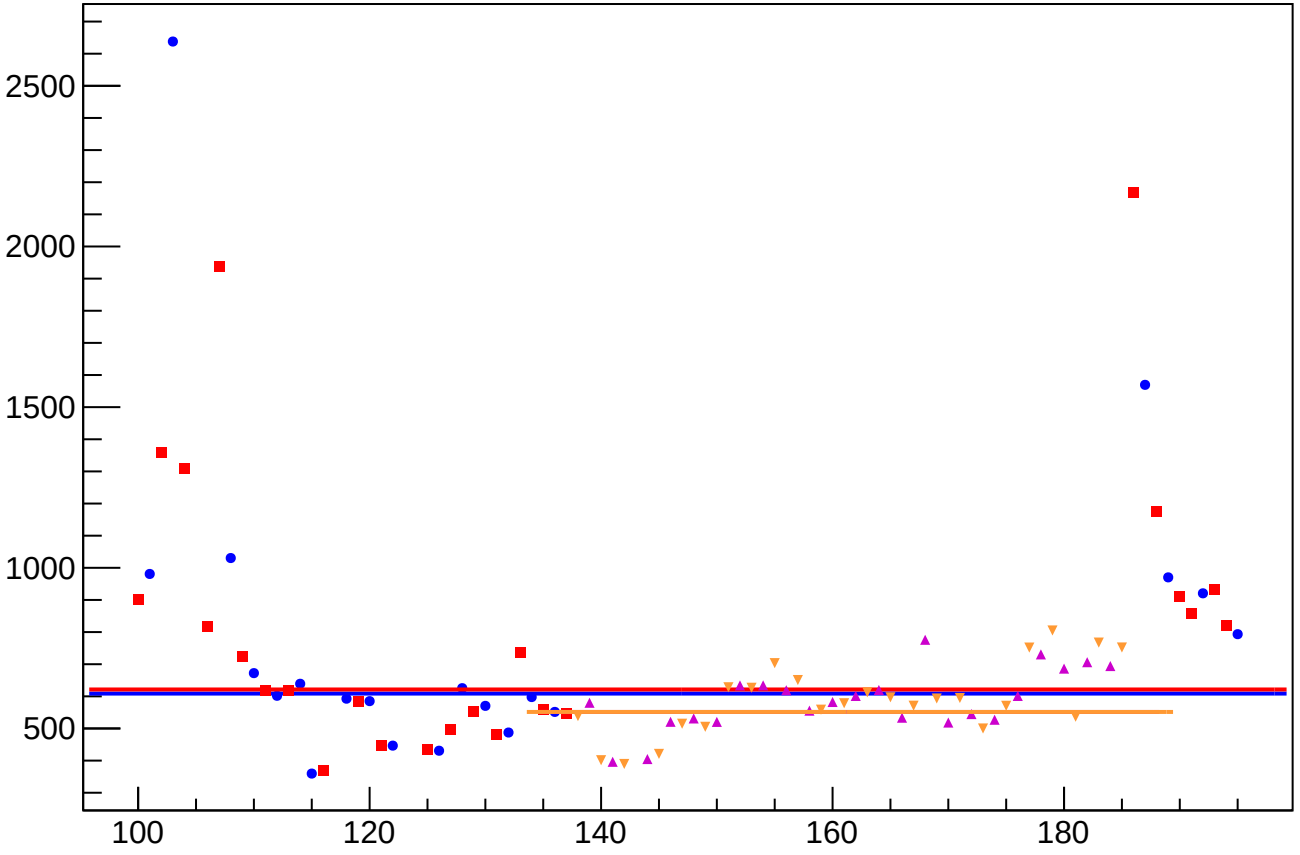
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -462.104+/-110.527 χ^2/NDF: 93.7/43

All: -316.798+/-78.112 χ^2/NDF: 141.7/90

\- sign -171.806+/-110.407 χ^2/NDF: 44.5/46

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: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

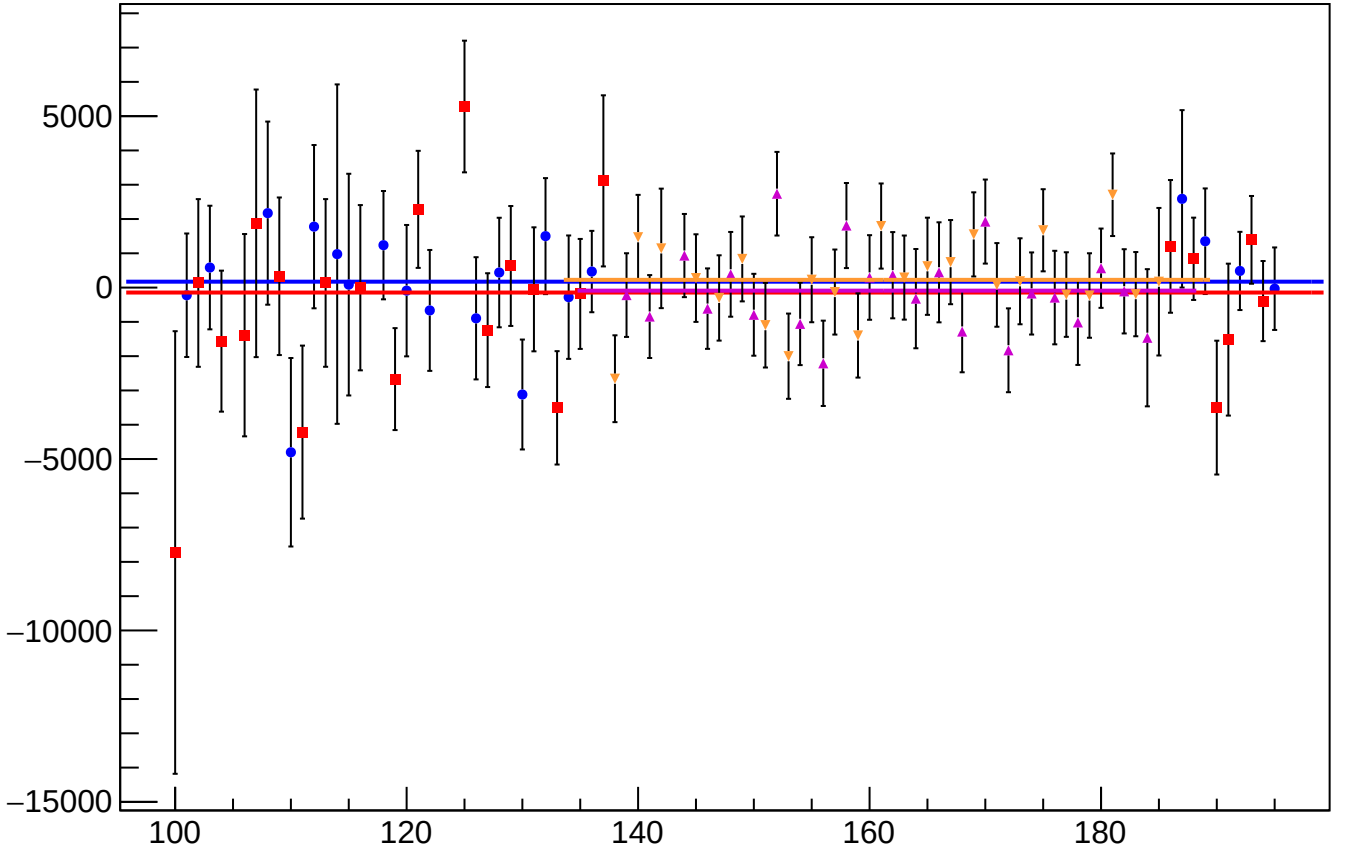
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 567.698+/-0.078 χ^2/NDF: 3295081.7/43

All: 569.649+/-0.055 χ^2/NDF: 7196811.4/90

- sign 571.595+/-0.078 χ^2/NDF: 3900485.3/46

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: -144.273+/-376.838 χ^2/NDF: 30.3/23

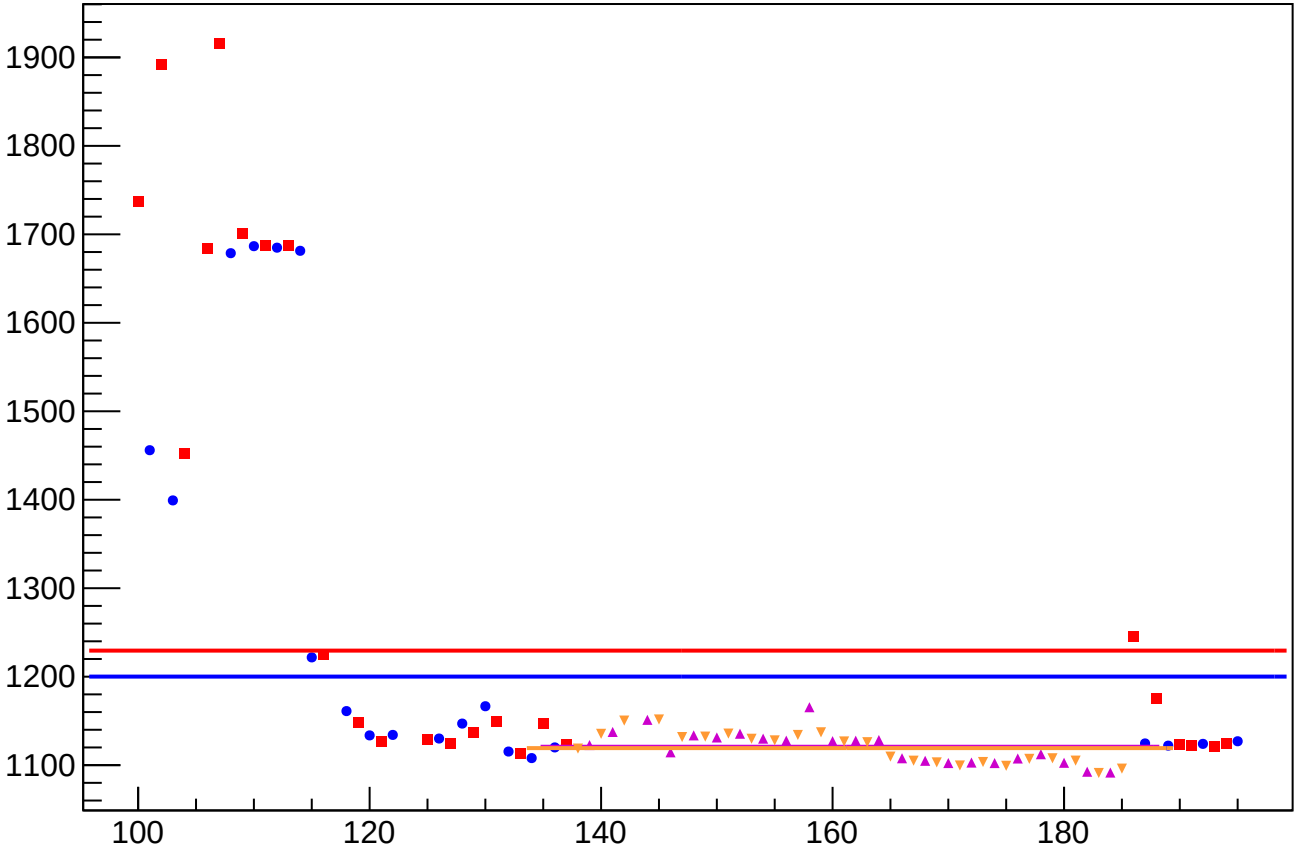
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 209.099+/-215.648 χ^2/NDF: 34.2/43

All: 50.525+/-152.242 χ^2/NDF: 86.2/90

- sign -107.038+/-214.960 χ^2/NDF: 50.9/46

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: 1229.469+/-0.266 χ^2/NDF: 612700.6/23

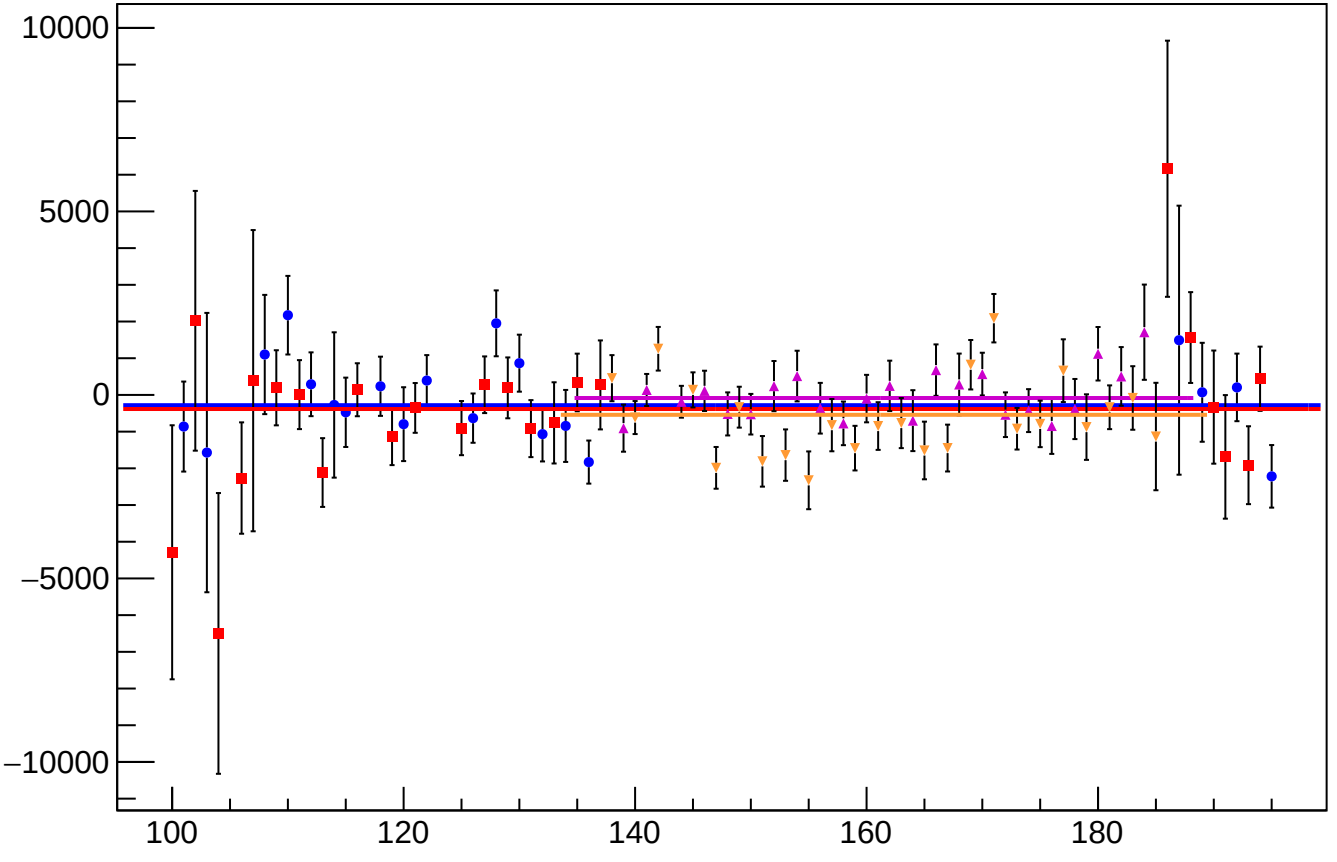
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.414+/-0.152 χ^2/NDF: 417045.3/43

All: 1150.306+/-0.108 χ^2/NDF: 1154345.3/90

- sign 1156.160+/-0.152 χ^2/NDF: 734323.8/46

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: -383.681+/-207.706 χ^2/NDF: 24.3/23

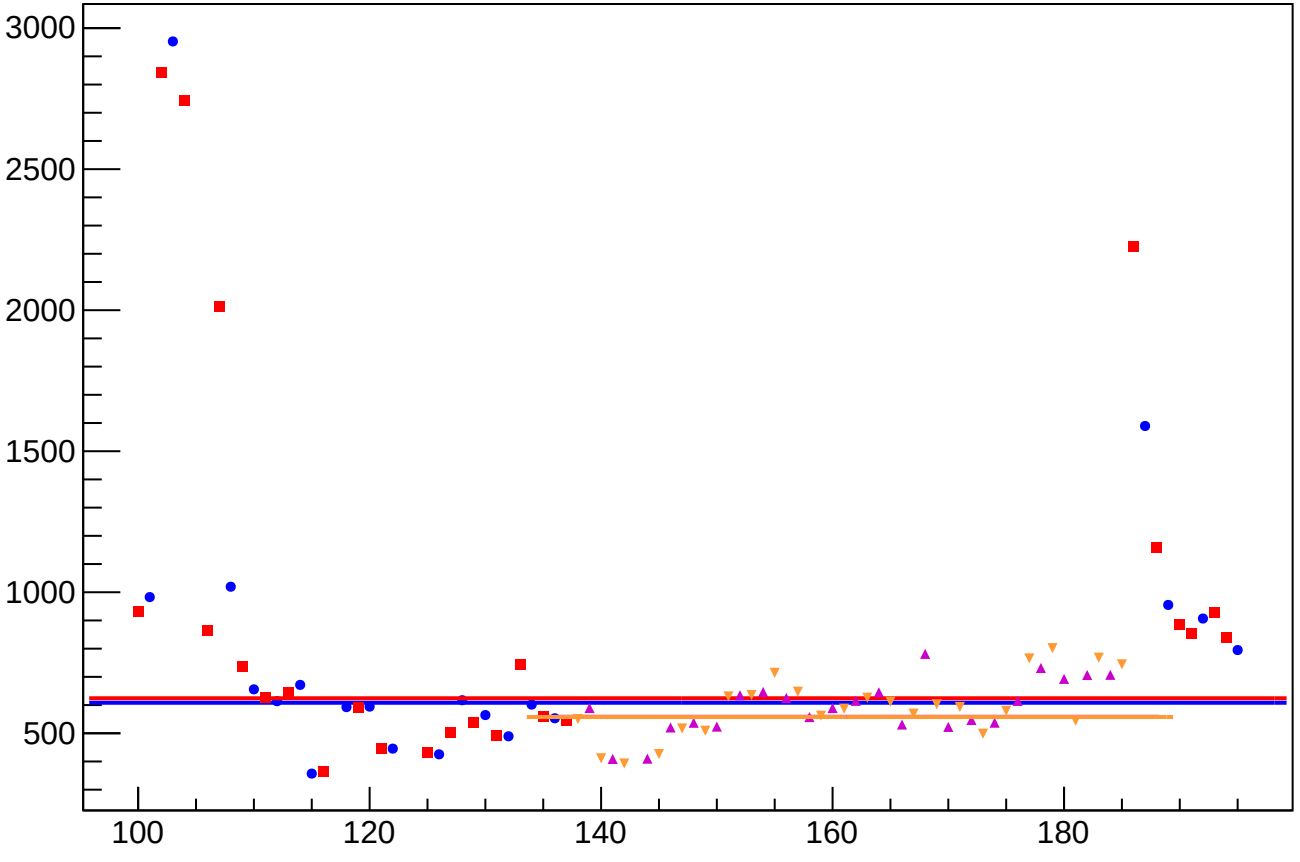
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -465.802+/-111.308 χ^2/NDF: 93.2/43

All: -318.872+/-78.857 χ^2/NDF: 138.9/90

- sign -170.811+/-111.735 χ^2/NDF: 42.2/46

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: 624.145+/-0.147 χ^2/NDF: 3602891.9/23

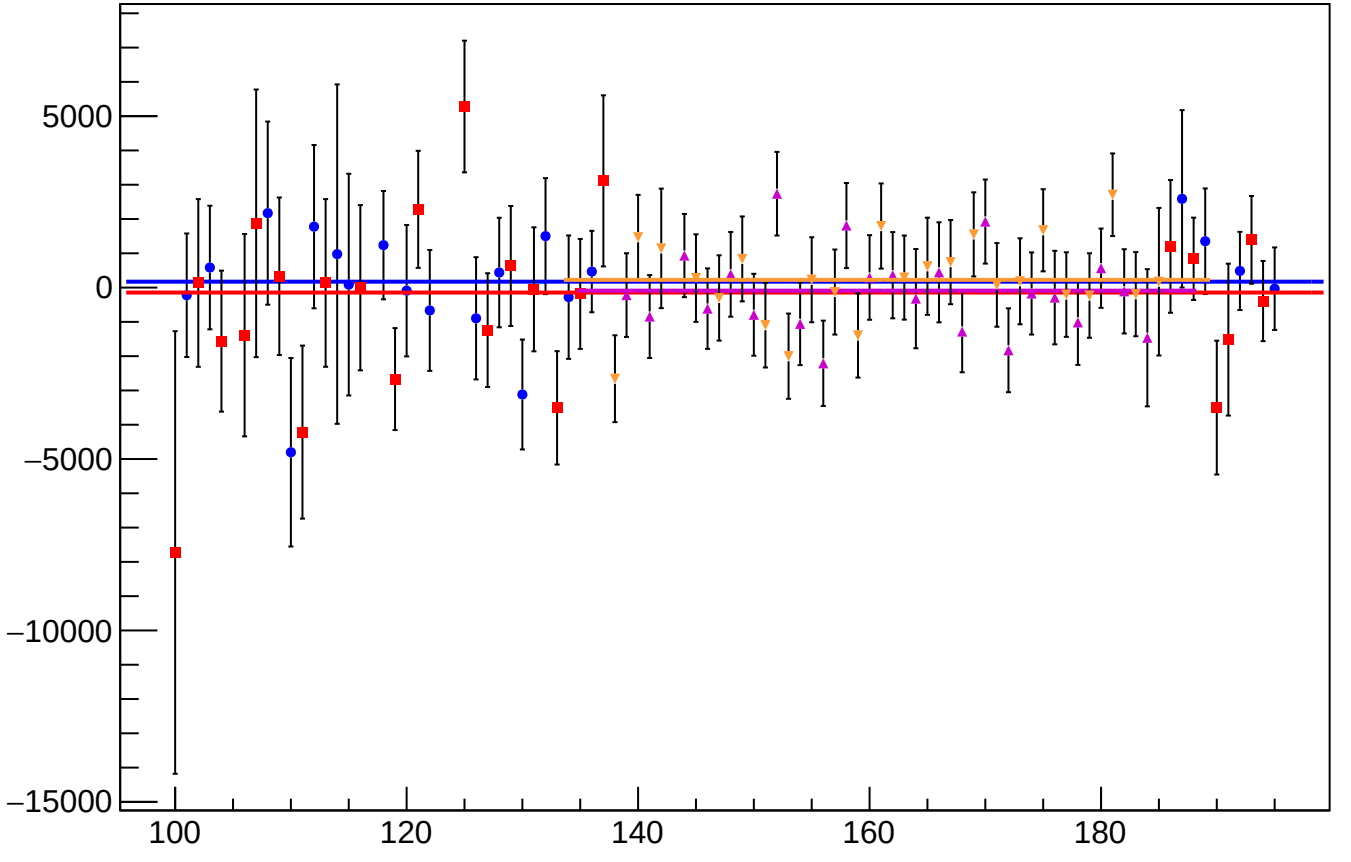
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 572.223+/-0.079 χ^2/NDF: 3416531.8/43

All: 574.812+/-0.056 χ^2/NDF: 8191832.7/90

- sign 577.421+/-0.079 χ^2/NDF: 4773128.6/46

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: -144.272+/-376.838 χ^2/NDF: 30.3/23

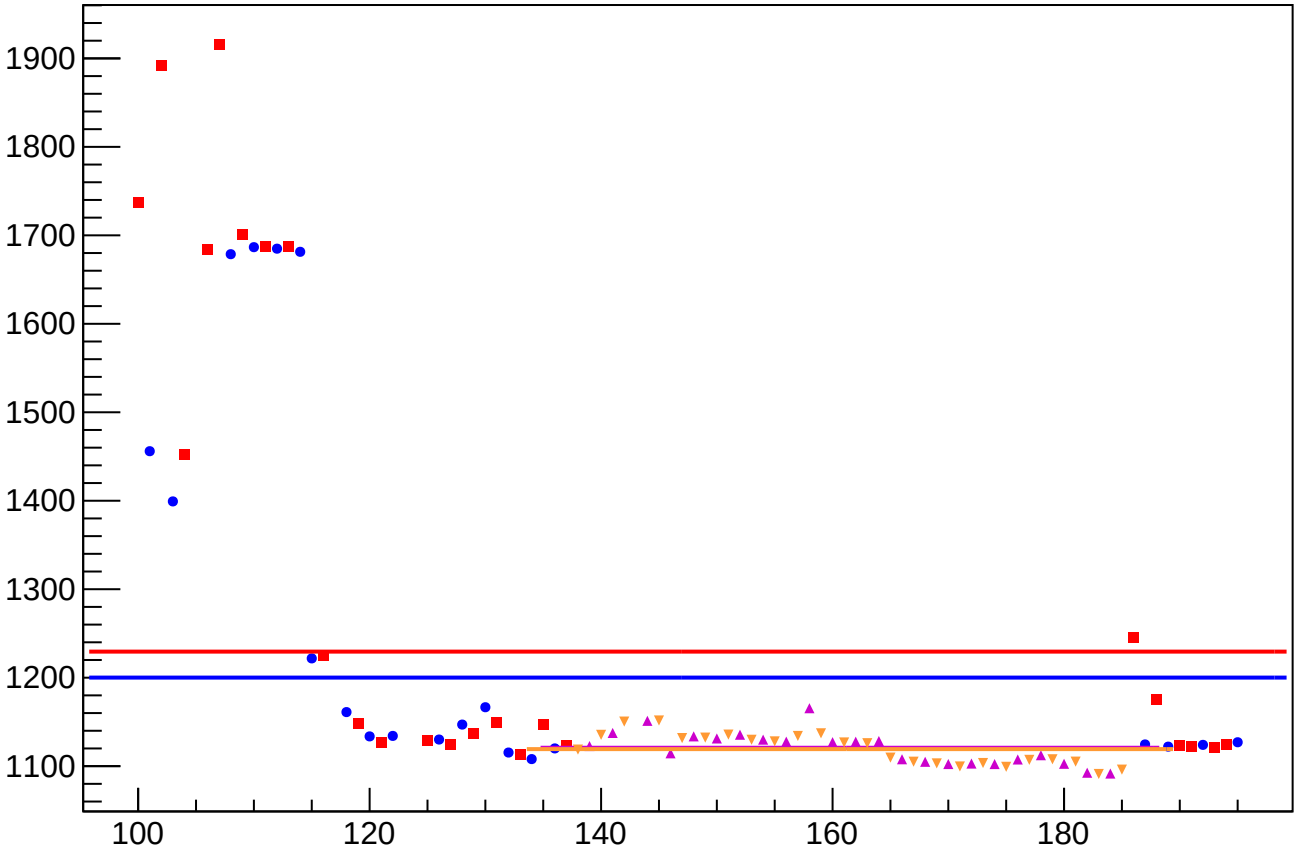
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 209.098+/-215.648 χ^2/NDF: 34.2/43

All: 50.525+/-152.242 χ^2/NDF: 86.2/90

- sign -107.038+/-214.960 χ^2/NDF: 50.9/46

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: 1229.469+/-0.266 χ^2/NDF: 612700.0/23

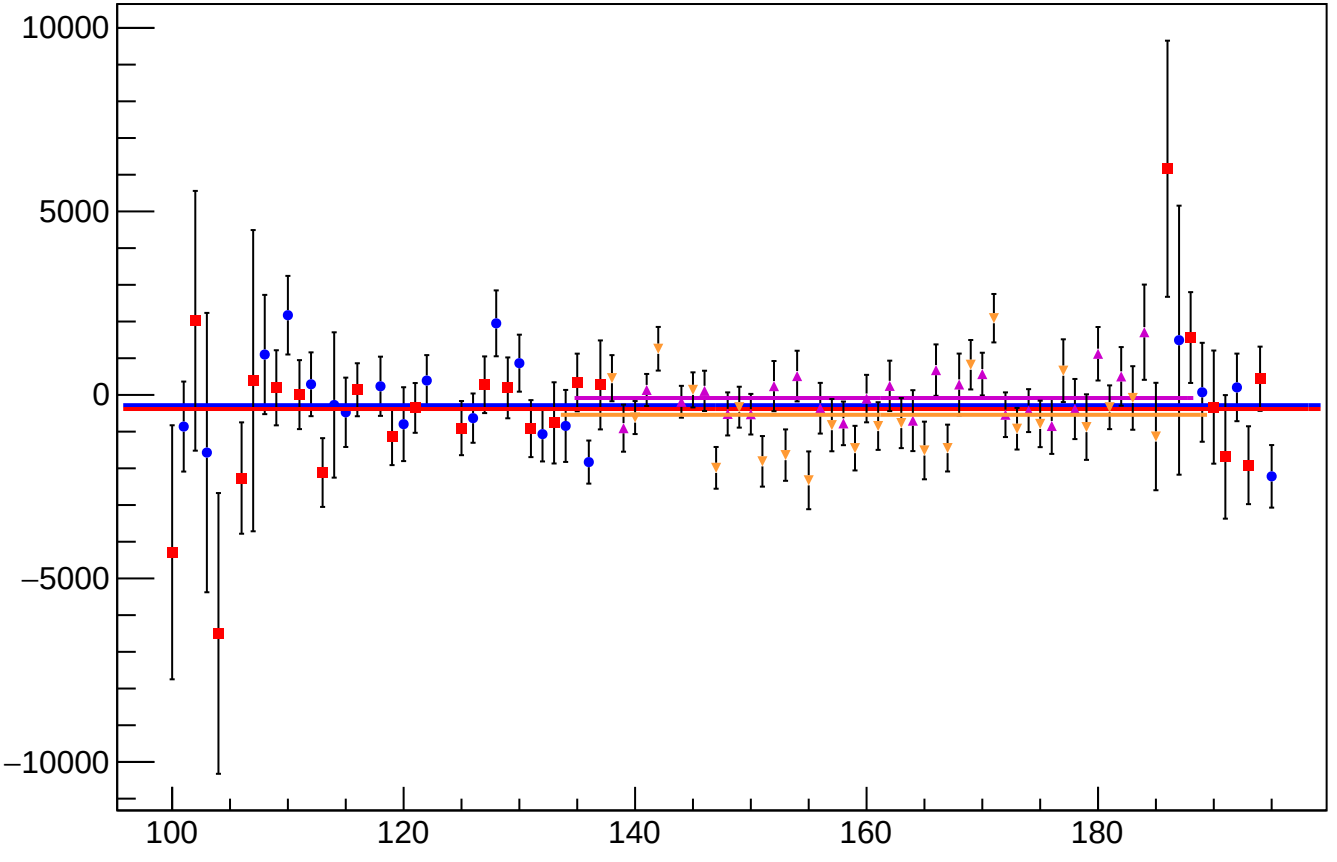
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.414+/-0.152 χ^2/NDF: 417044.7/43

All: 1150.306+/-0.108 χ^2/NDF: 1154344.1/90

- sign 1156.160+/-0.152 χ^2/NDF: 734323.1/46

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



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: -383.682+/-207.706 χ^2/NDF: 24.3/23

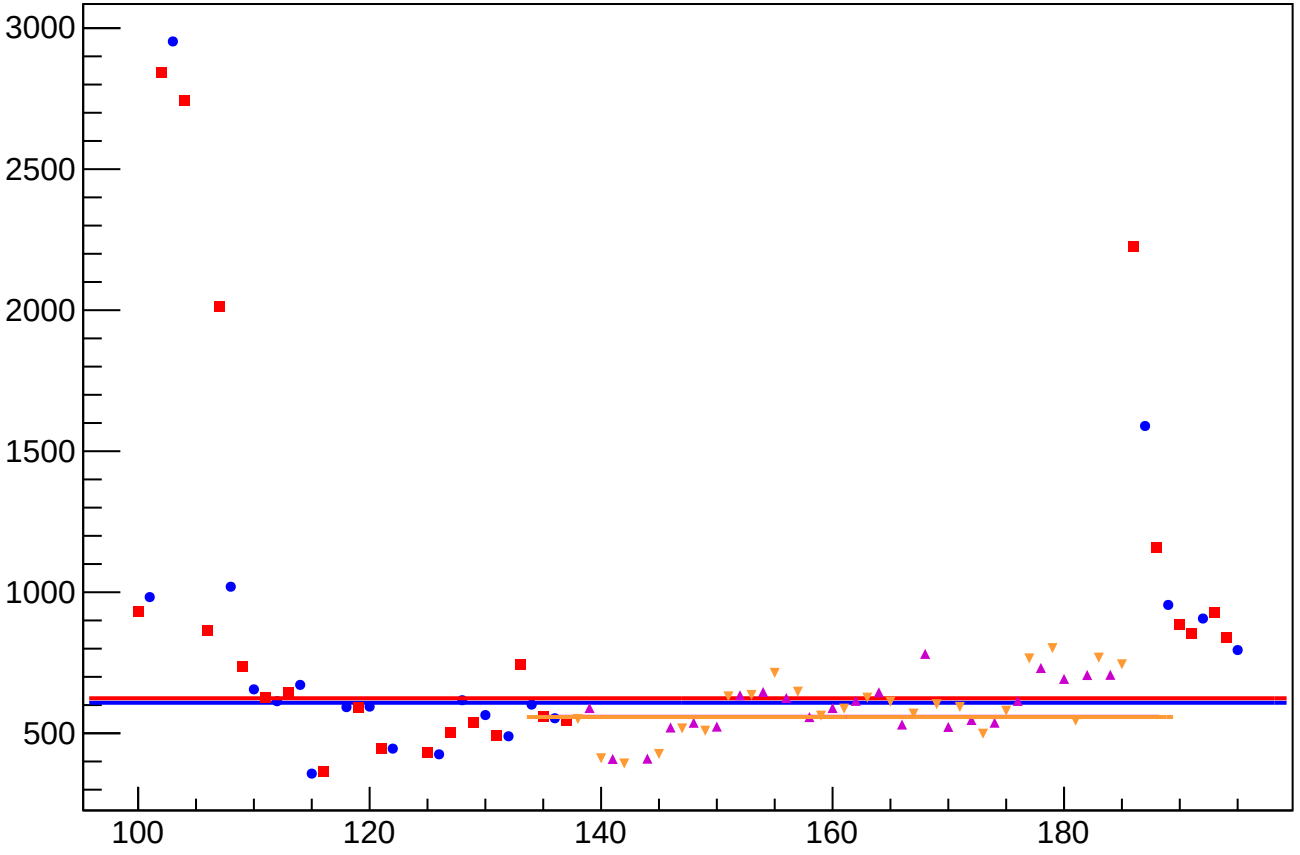
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -465.801+/-111.308 χ^2/NDF: 93.2/43

All: -318.871+/-78.857 χ^2/NDF: 138.9/90

- sign -170.811+/-111.735 χ^2/NDF: 42.2/46

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: 624.144+/-0.147 χ^2/NDF: 3602892.3/23

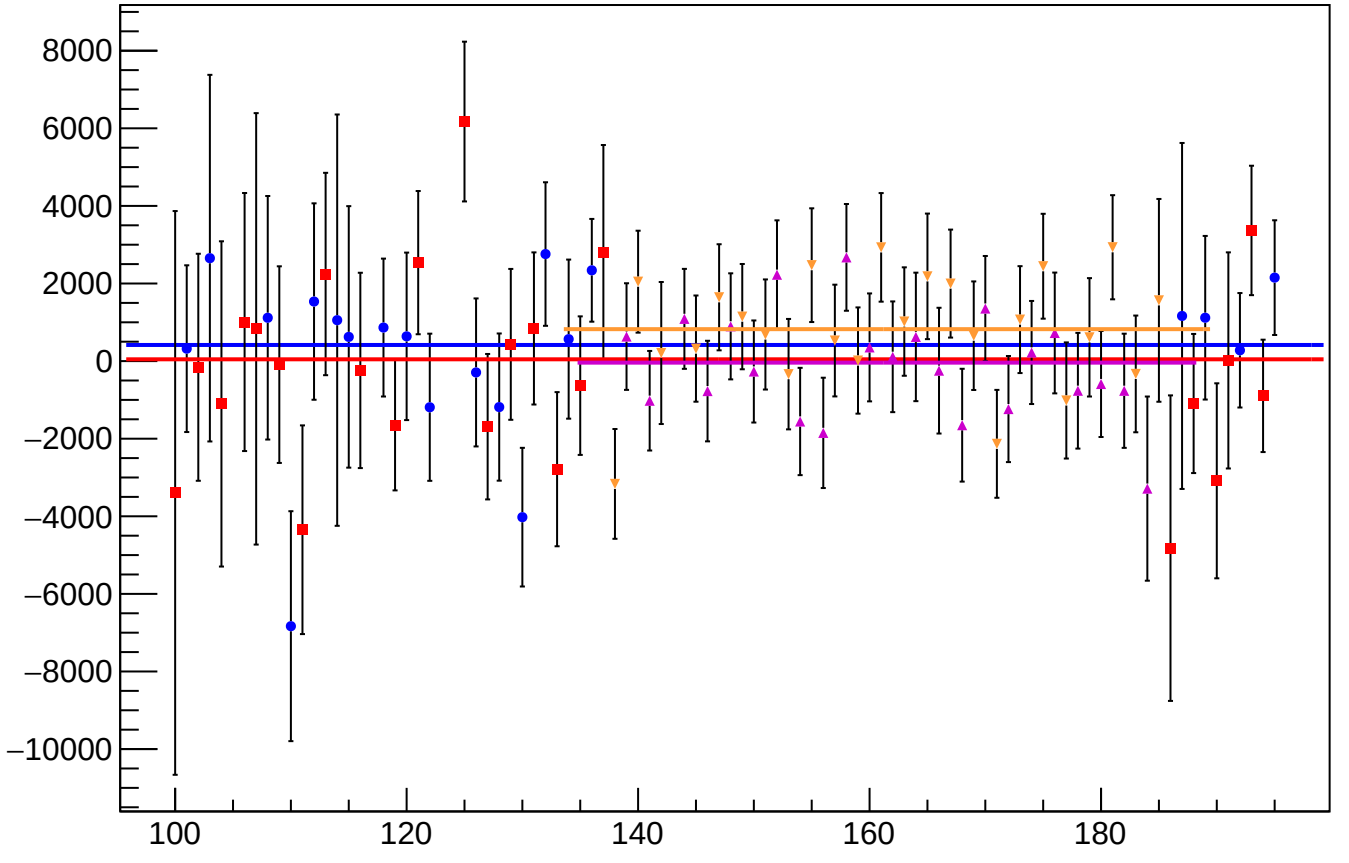
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 572.222+/-0.079 χ^2/NDF: 3416550.9/43

All: 574.811+/-0.056 χ^2/NDF: 8191868.9/90

- sign 577.420+/-0.079 χ^2/NDF: 4773145.6/46

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: 46.206+/-456.295 χ^2/NDF: 27.6/23

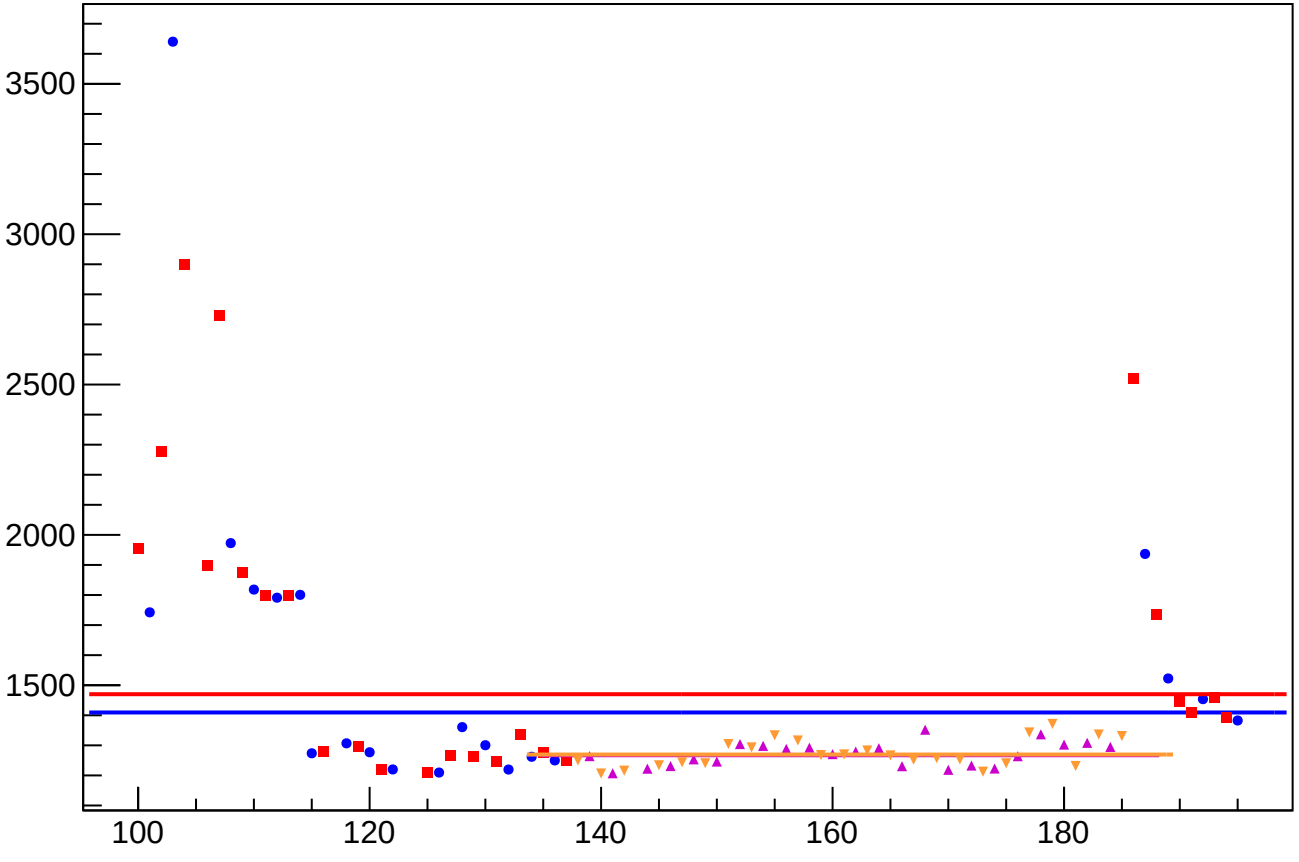
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 704.675+/-248.237 χ^2/NDF: 46.3/43

All: 345.346+/-175.563 χ^2/NDF: 95.9/90

- sign -14.253+/-248.330 χ^2/NDF: 45.5/46

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: 1470.113+/-0.323 χ^2/NDF: 1054010.5/23

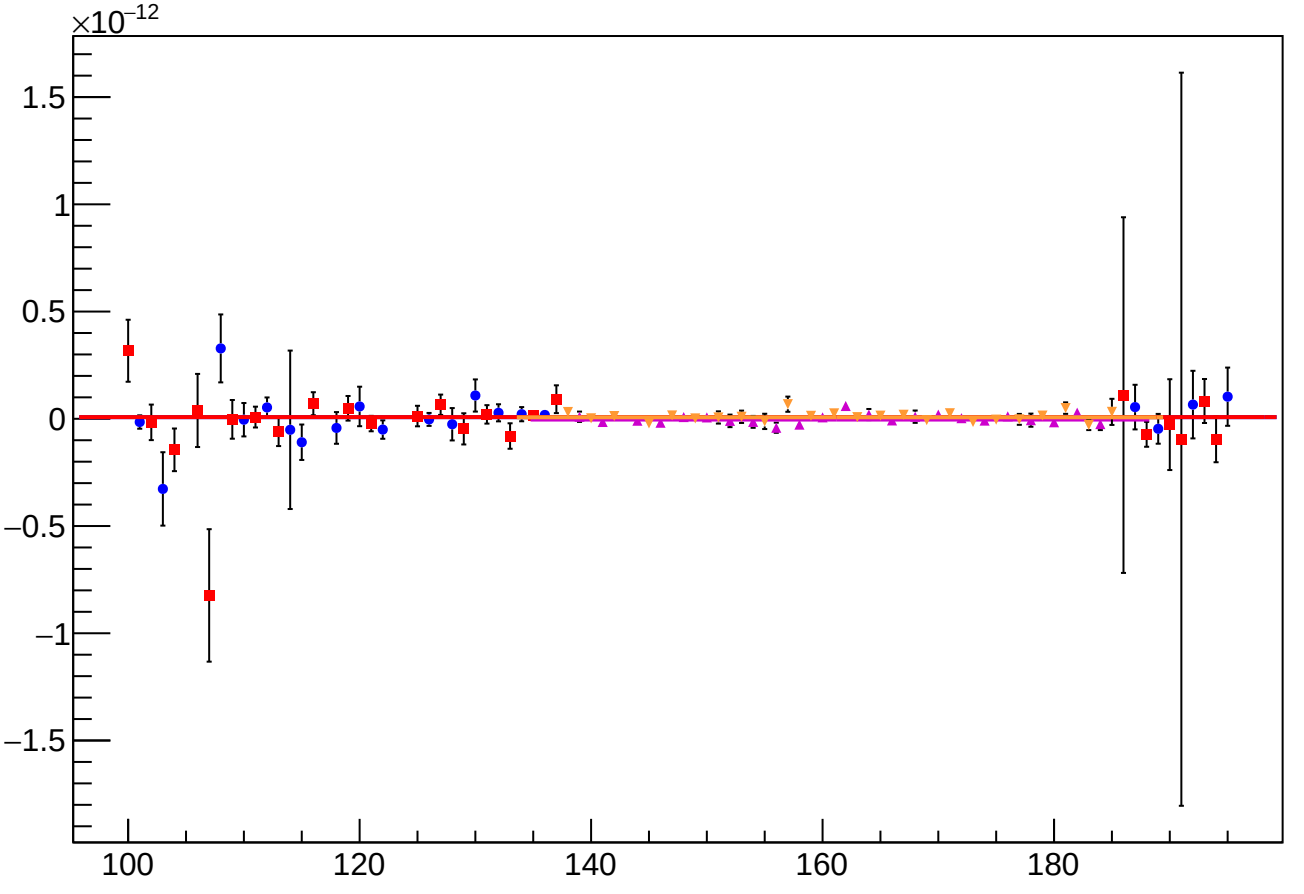
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1310.165+/-0.176 χ^2/NDF: 991592.3/43

All: 1318.682+/-0.124 χ^2/NDF: 2363595.2/90

- sign 1327.206+/-0.176 χ^2/NDF: 1367292.2/46

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



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: 27.6/23

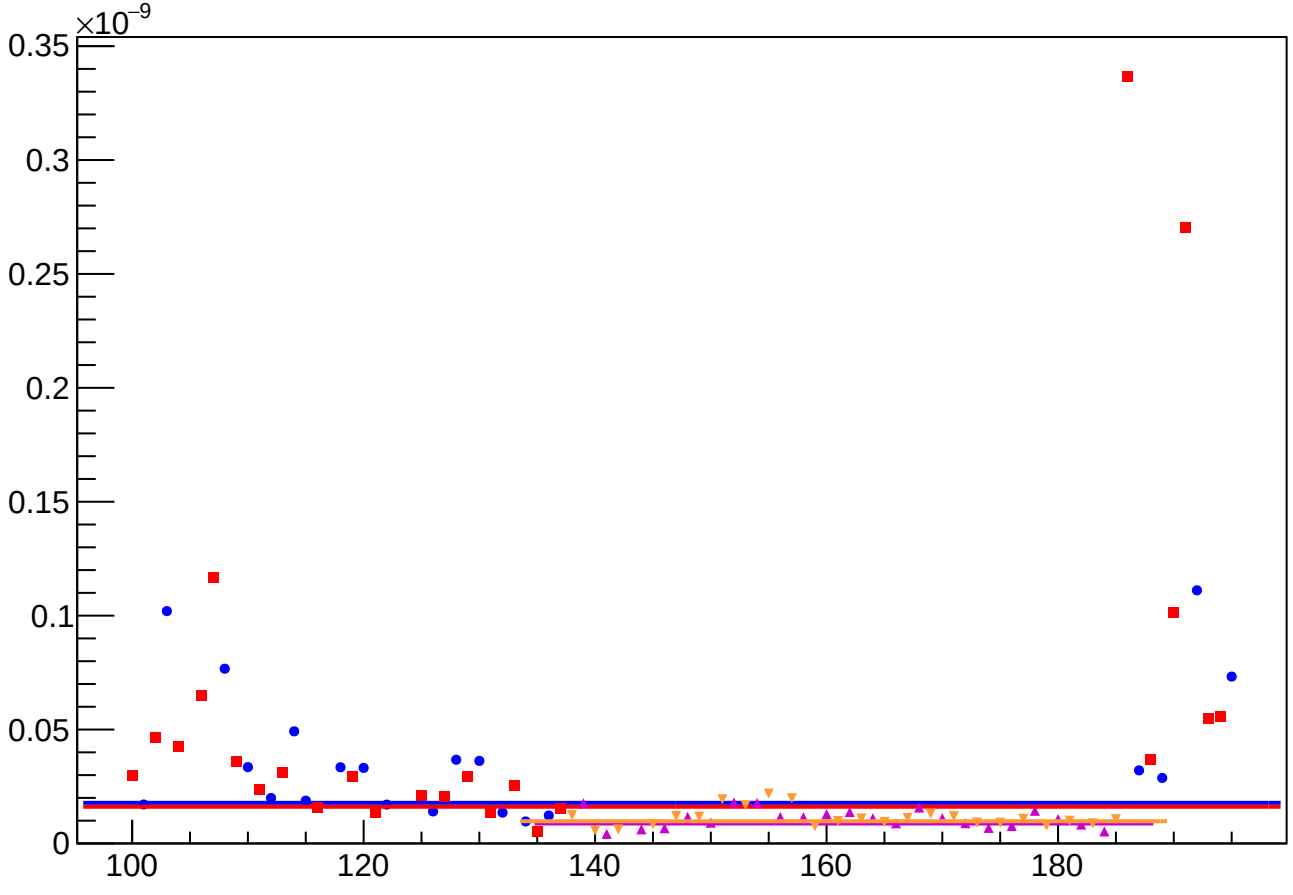
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/43

All: 0.000+/-0.000 χ^2/NDF: 93.1/90

- sign -0.000+/-0.000 χ^2/NDF: 51.7/46

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: 3798244.9/23

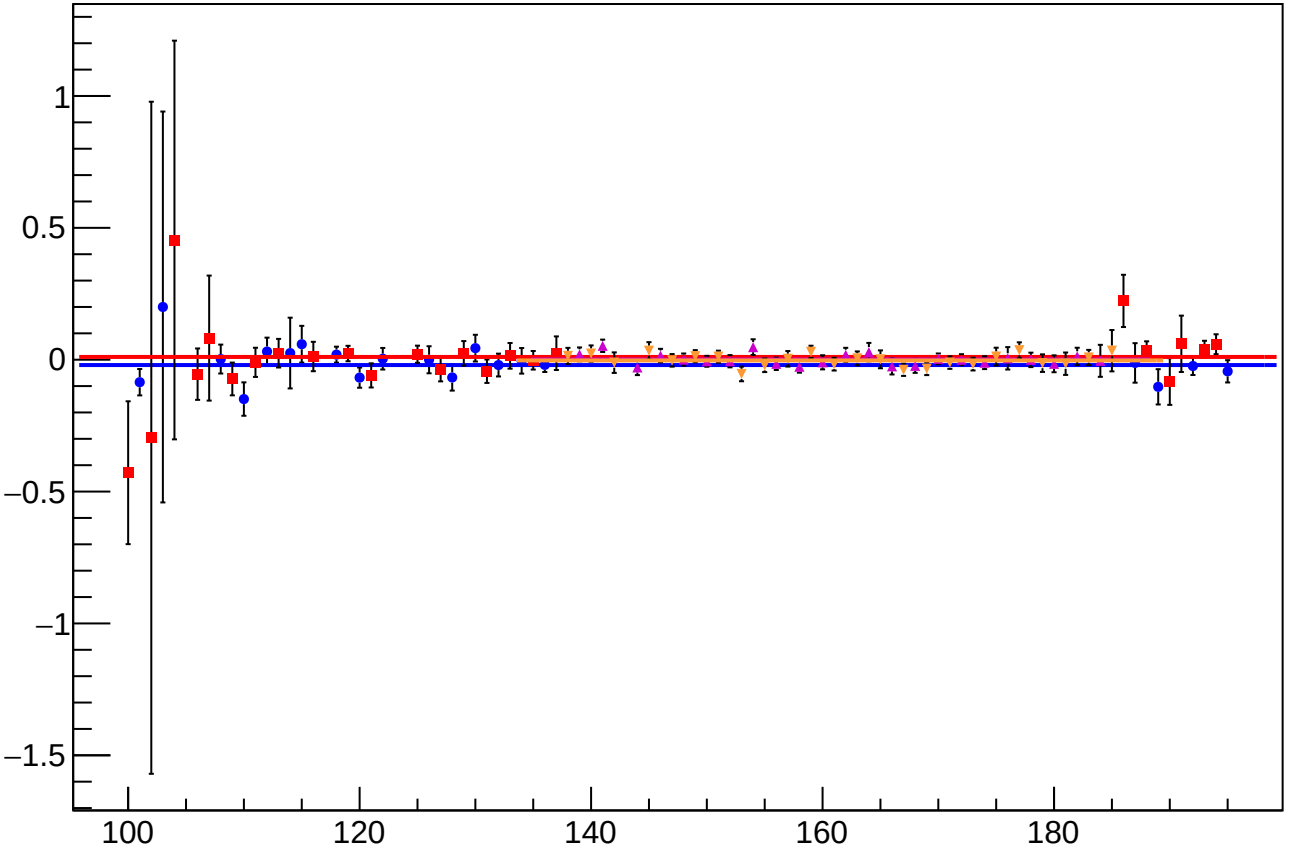
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5107558.6/43

All: 0.000+/-0.000 χ^2/NDF: 11839045.4/90

- sign 0.000+/-0.000 χ^2/NDF: 6628911.1/46

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: 0.010+/-0.010 χ^2/NDF: 19.9/23

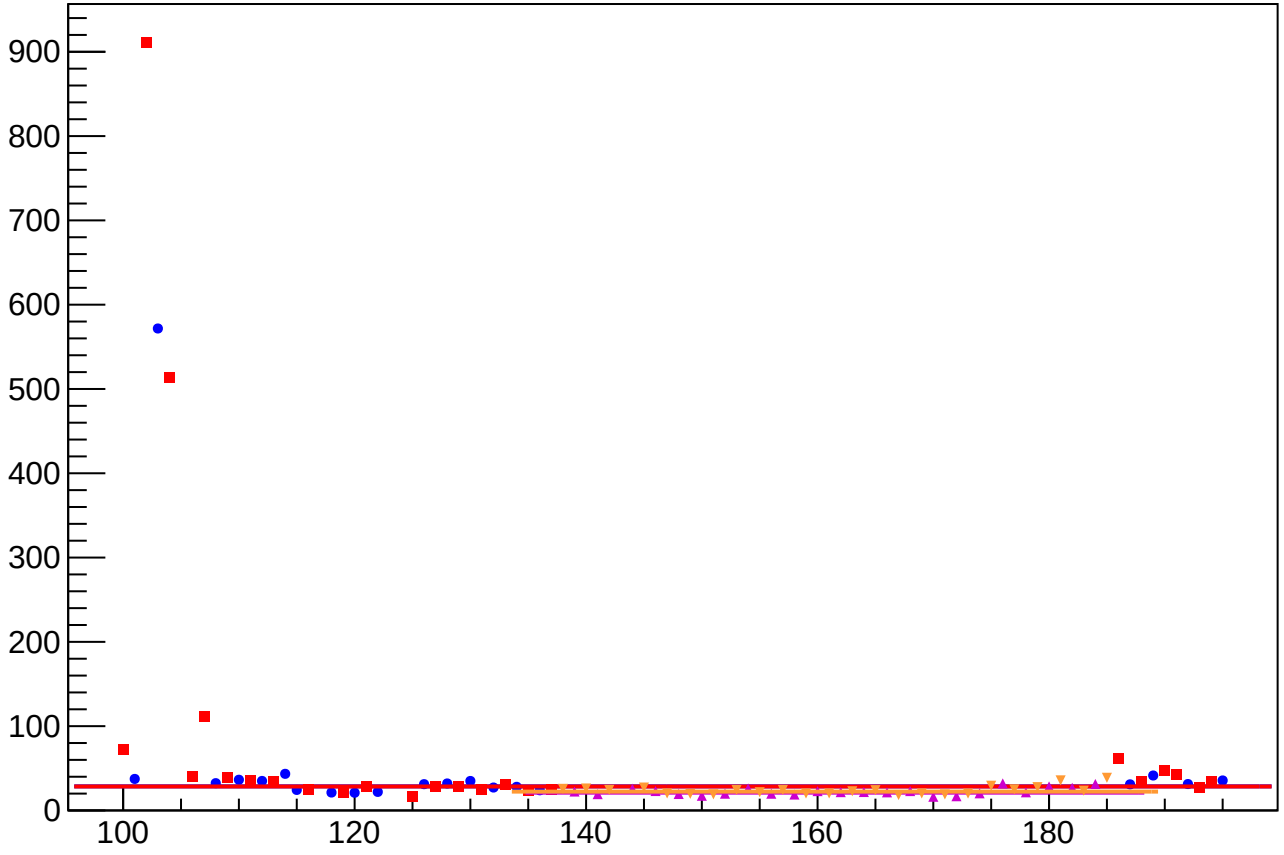
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.6/90

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

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

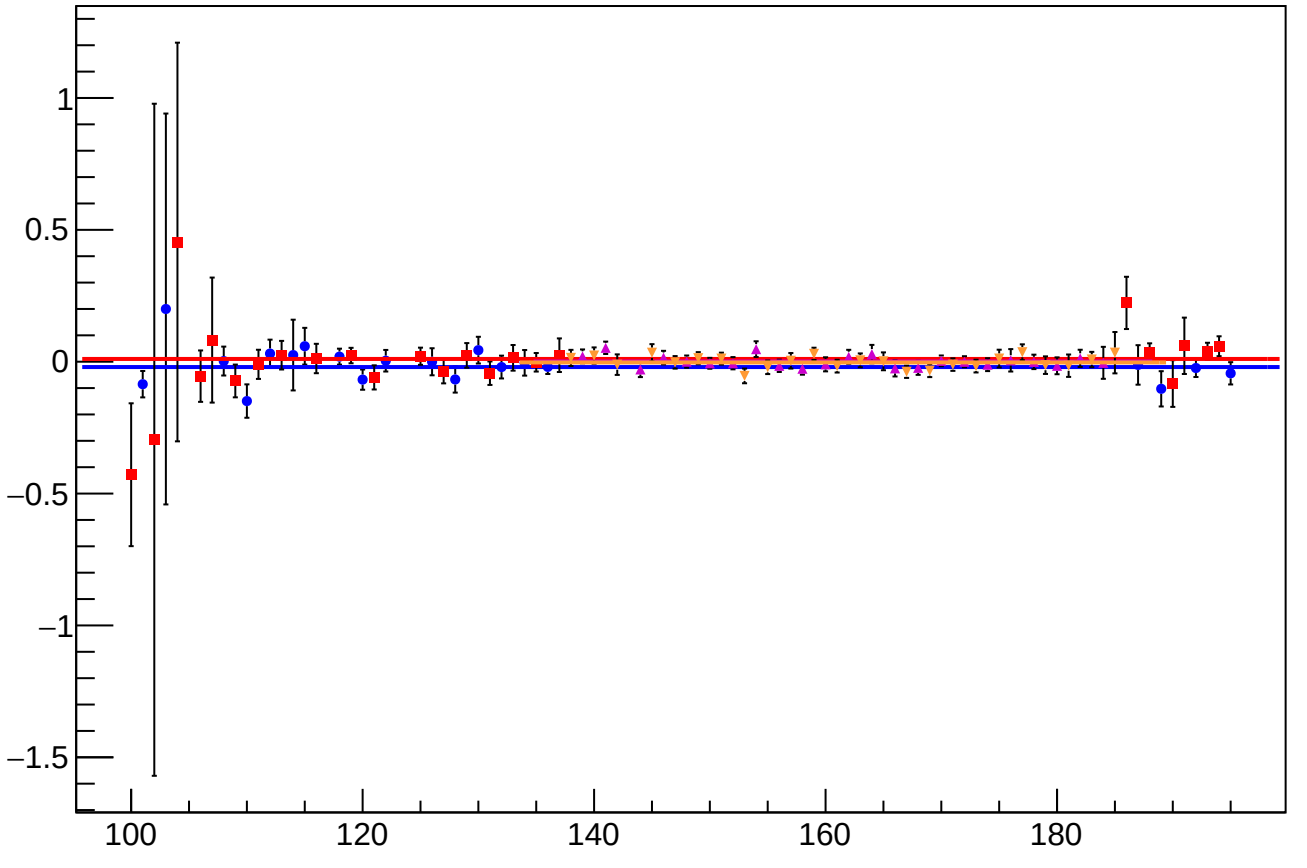
Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108895.8/43

All: 23.250+/-0.002 χ^2/NDF: 7909688.0/90

- sign 22.740+/-0.003 χ^2/NDF: 4754393.5/46



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: 0.010+/-0.010 χ^2/NDF: 19.9/23

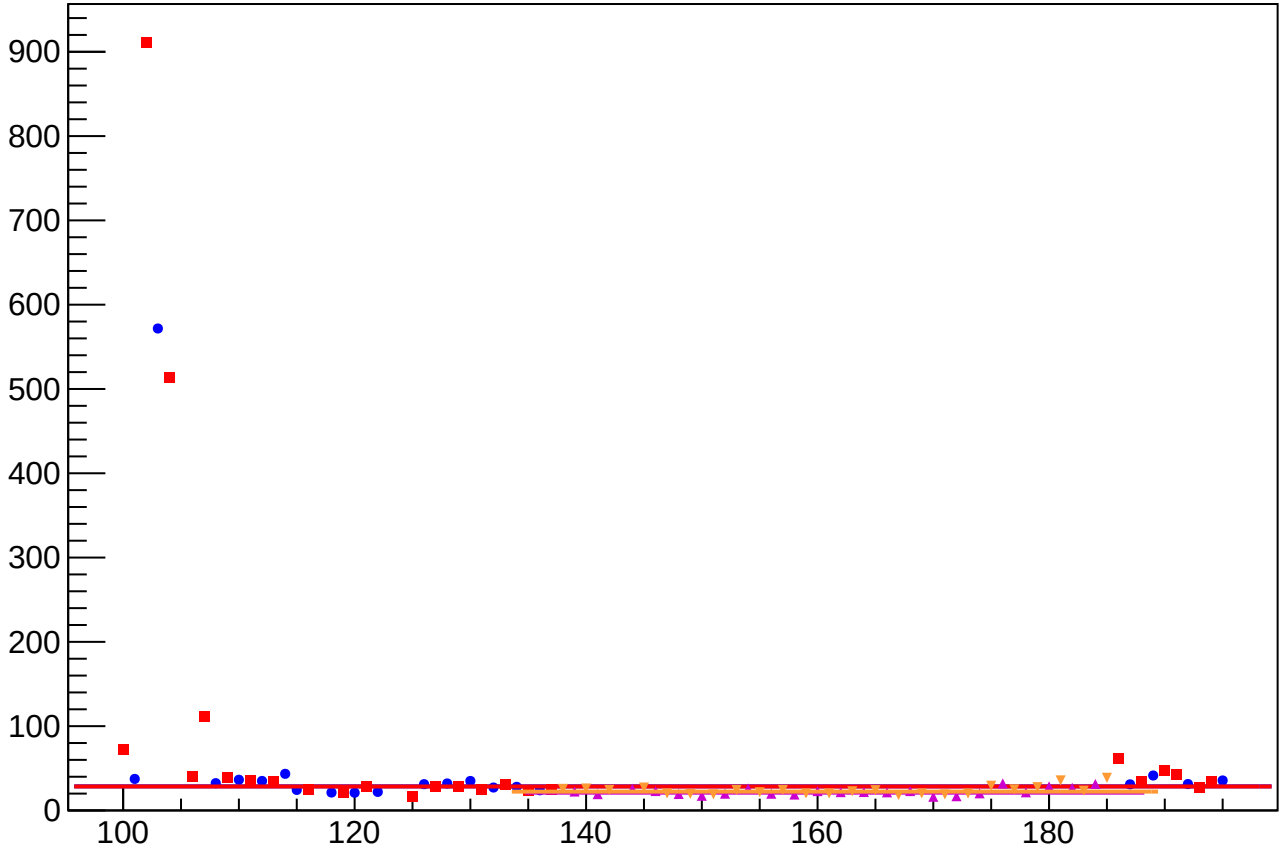
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.6/90

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_dit_vs_eigen_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

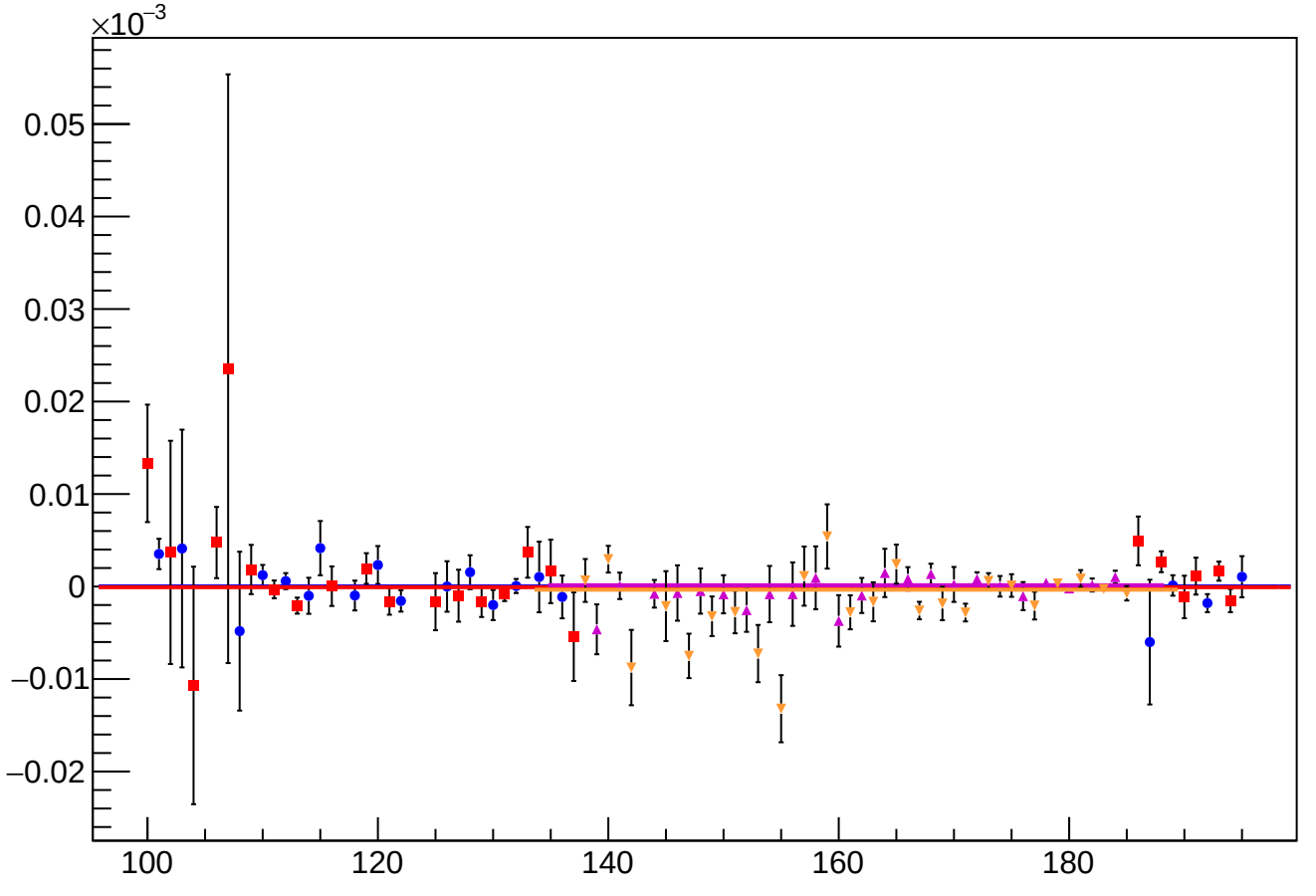
Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 23.796+/-0.004 χ^2/NDF: 3108895.8/43

All: 23.250+/-0.002 χ^2/NDF: 7909688.0/90

\- sign 22.740+/-0.003 χ^2/NDF: 4754393.5/46



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: 35.7/23

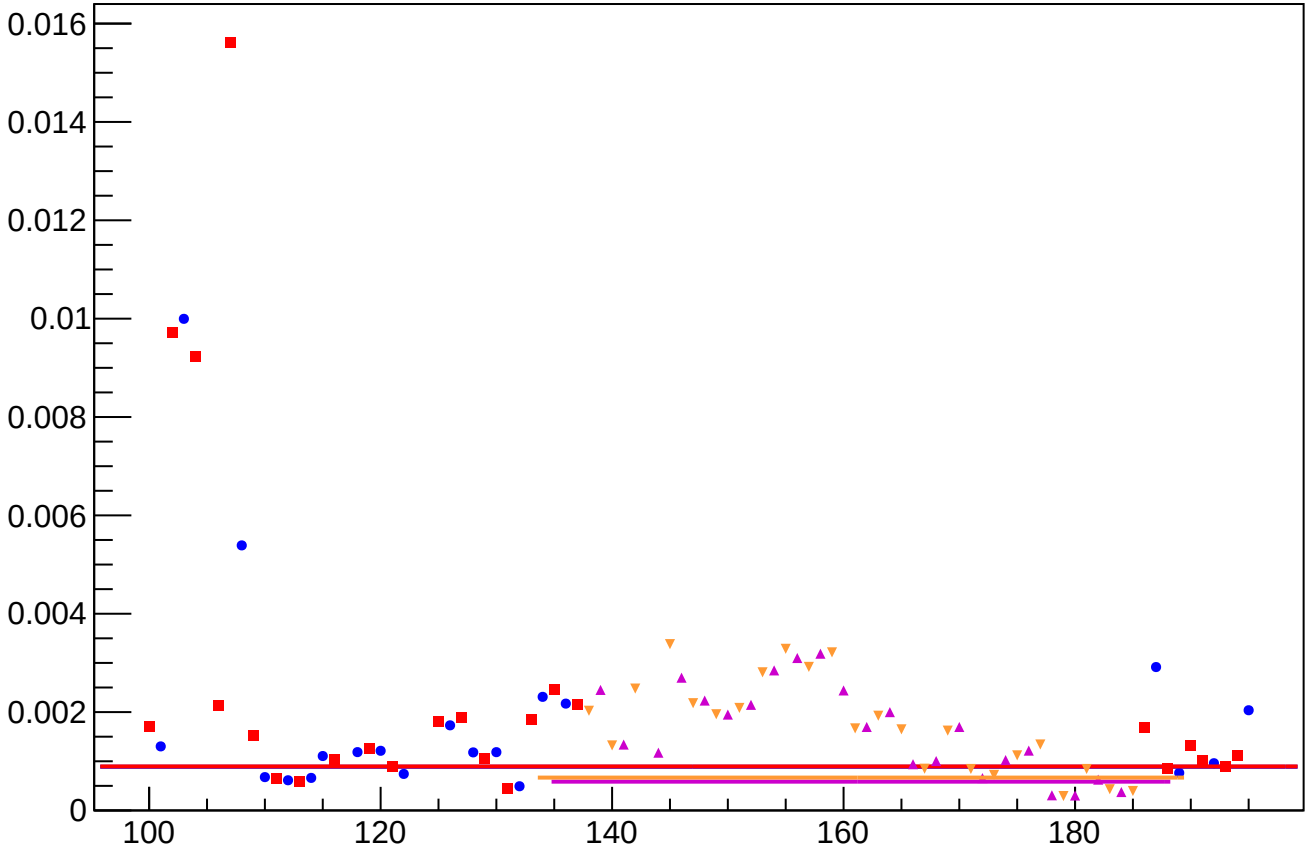
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.3/43

All: -0.000+/-0.000 χ^2/NDF: 140.5/90

- sign 0.000+/-0.000 χ^2/NDF: 50.3/46

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

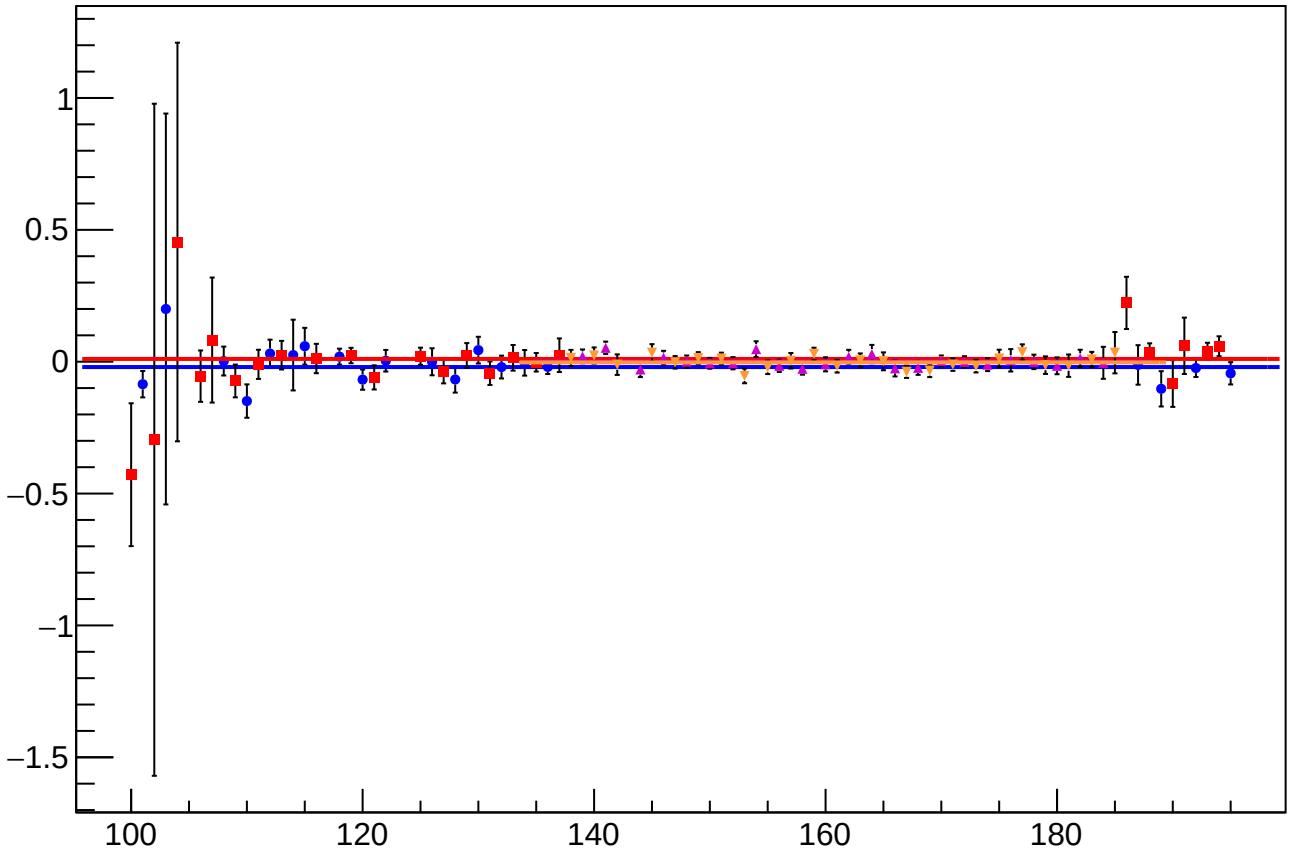
Right Out: 0.001+/-0.000 χ^2/NDF: 5396760.8/23

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: 43198275.4/90

- sign 0.001+/-0.000 χ^2/NDF: 22386512.1/46



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: 0.010+/-0.010 χ^2/NDF: 19.9/23

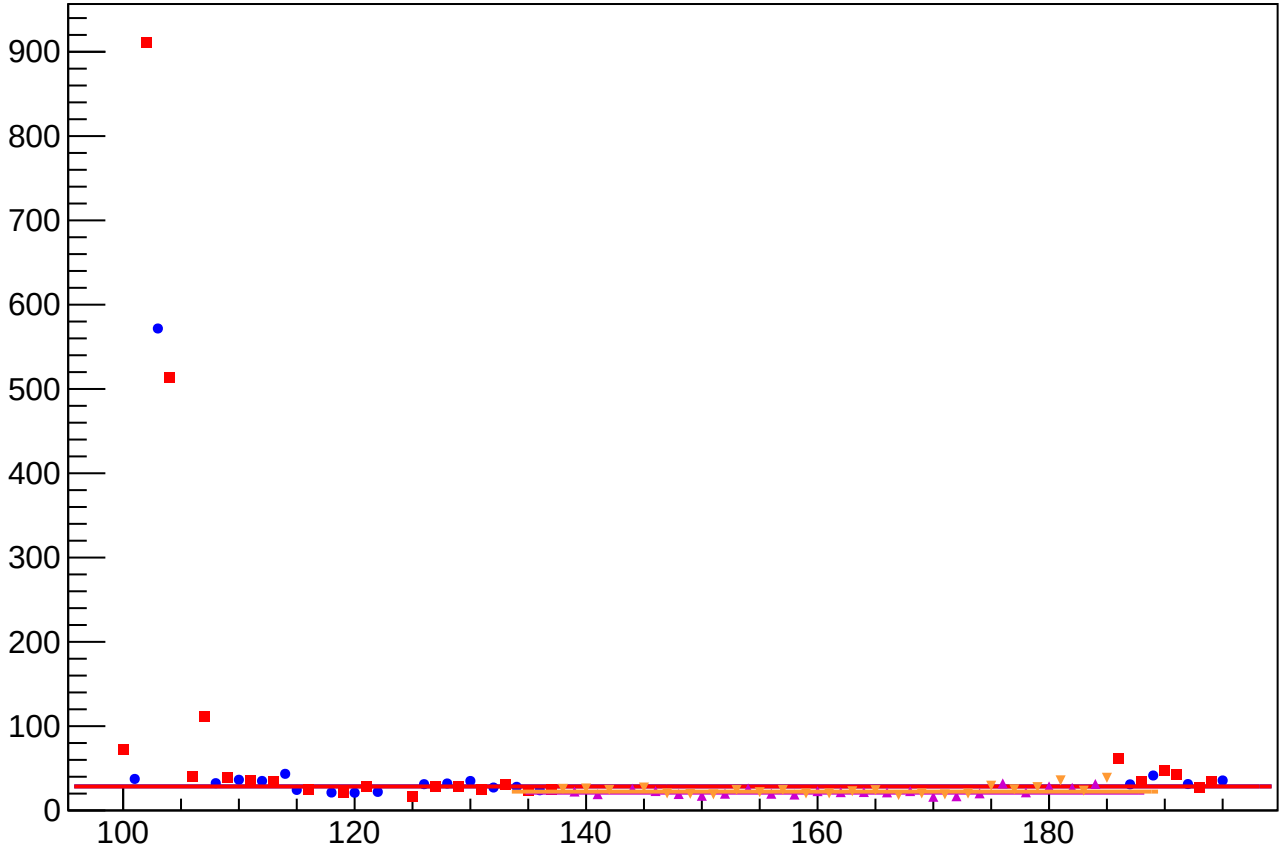
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.6/90

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.587+/-0.007 χ^2/NDF: 1737077.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

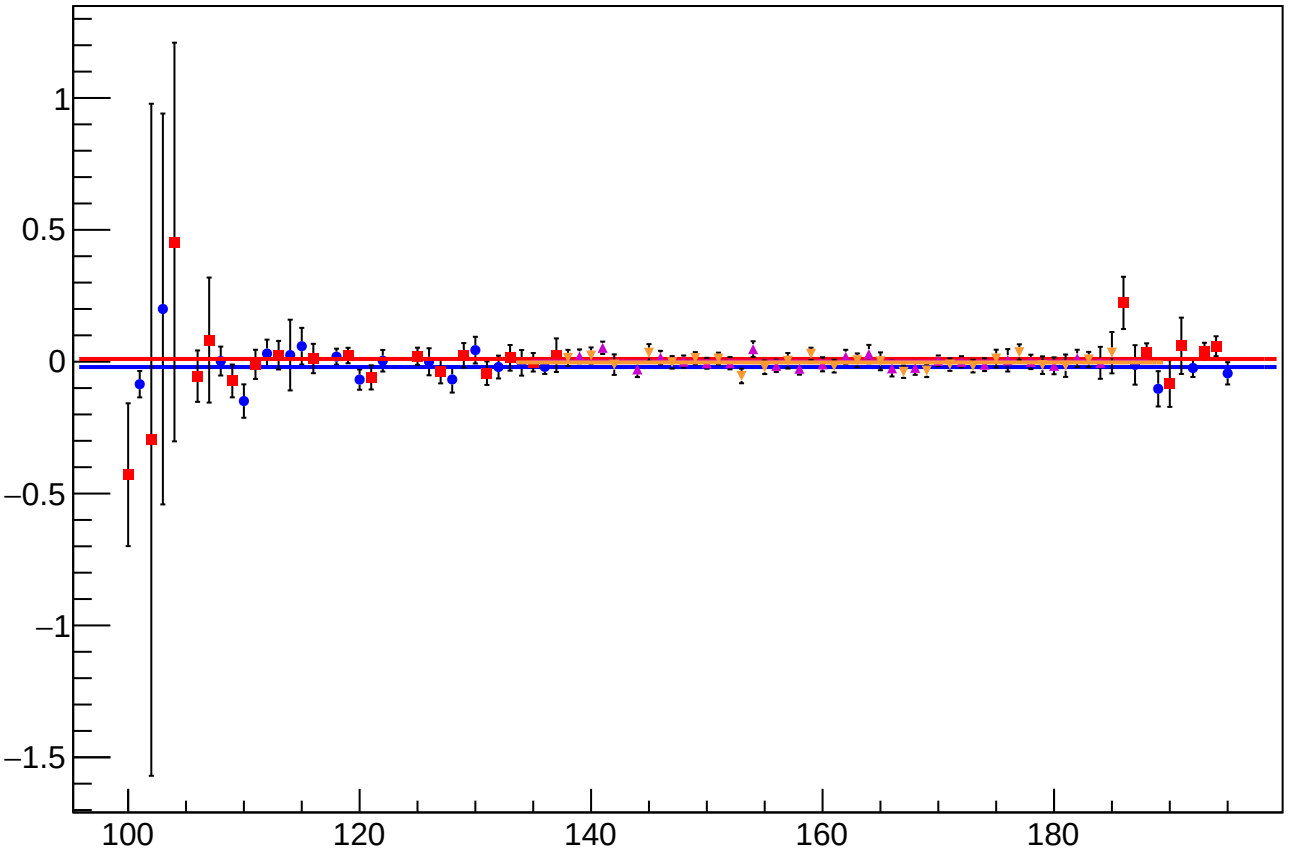
Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108881.1/43

All: 23.250+/-0.002 χ^2/NDF: 7909688.5/90

- sign 22.740+/-0.003 χ^2/NDF: 4754409.8/46



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: 0.010+/-0.010 χ^2/NDF: 19.9/23

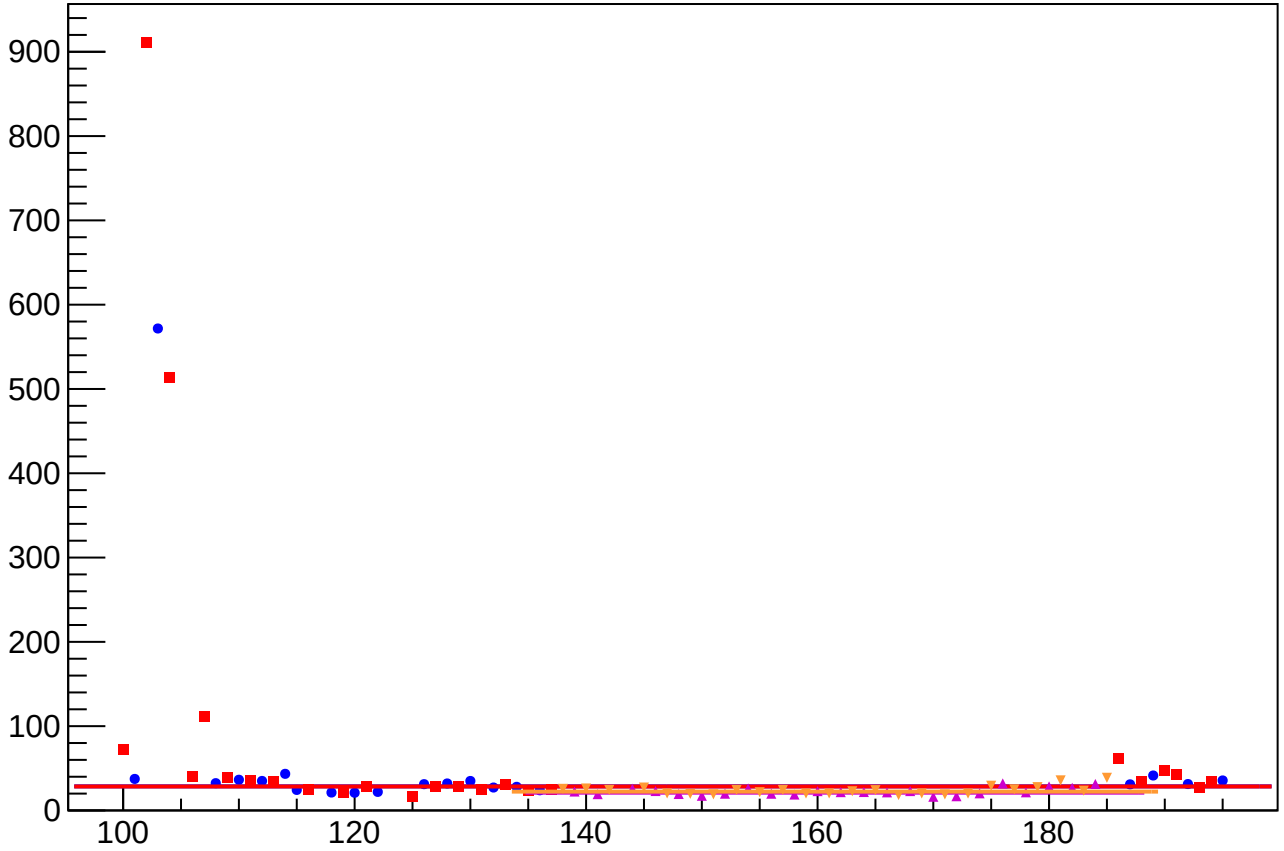
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 35.2/43

All: -0.002+/-0.003 χ^2/NDF: 72.6/90

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.587+/-0.007 χ^2/NDF: 1737077.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

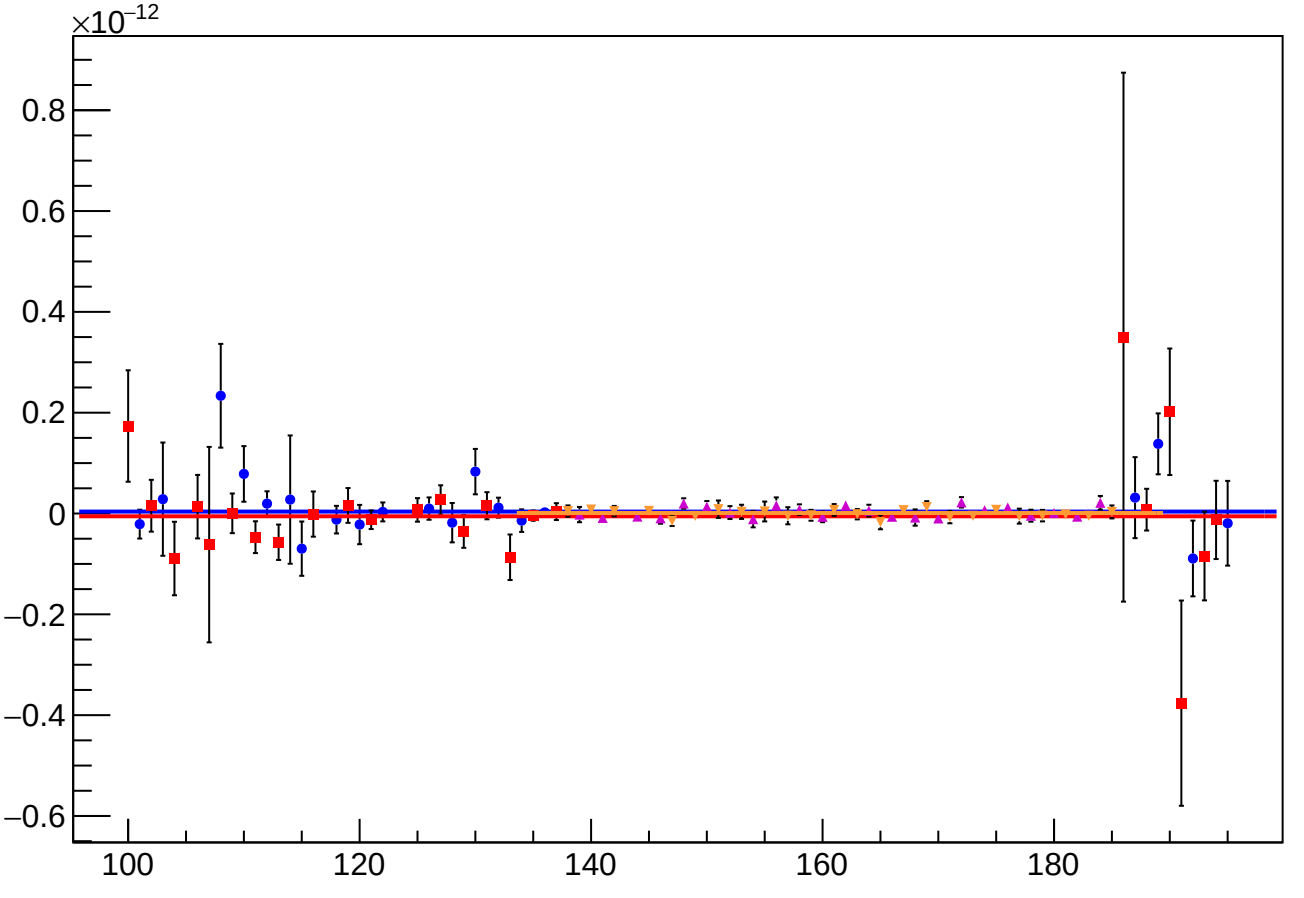
Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.796+/-0.004 χ^2/NDF: 3108881.1/43

All: 23.250+/-0.002 χ^2/NDF: 7909688.5/90

- sign 22.740+/-0.003 χ^2/NDF: 4754409.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

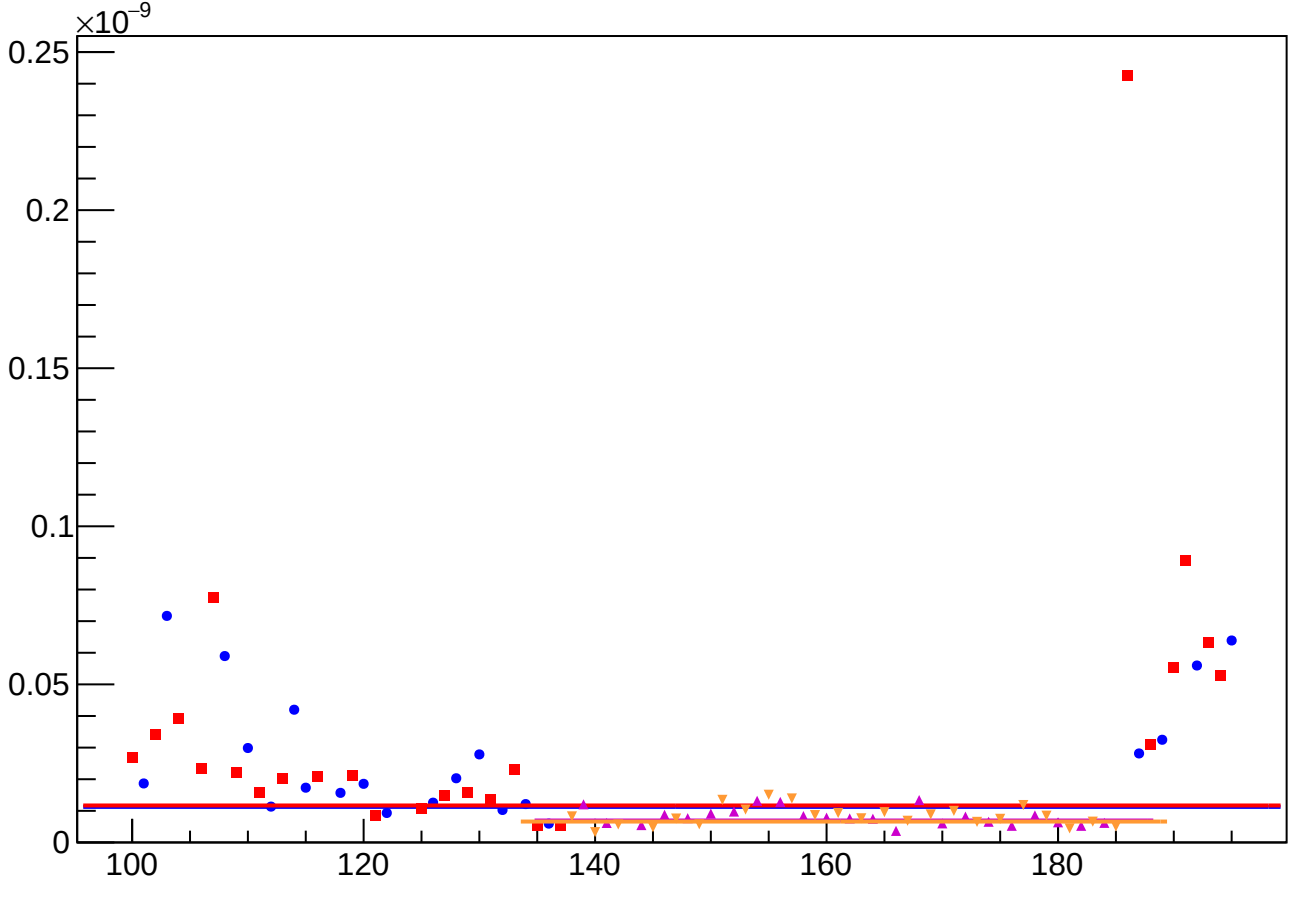
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/23

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: 83.2/90

- sign 0.000+/-0.000 χ^2/NDF: 49.6/46



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: 5443181.3/23

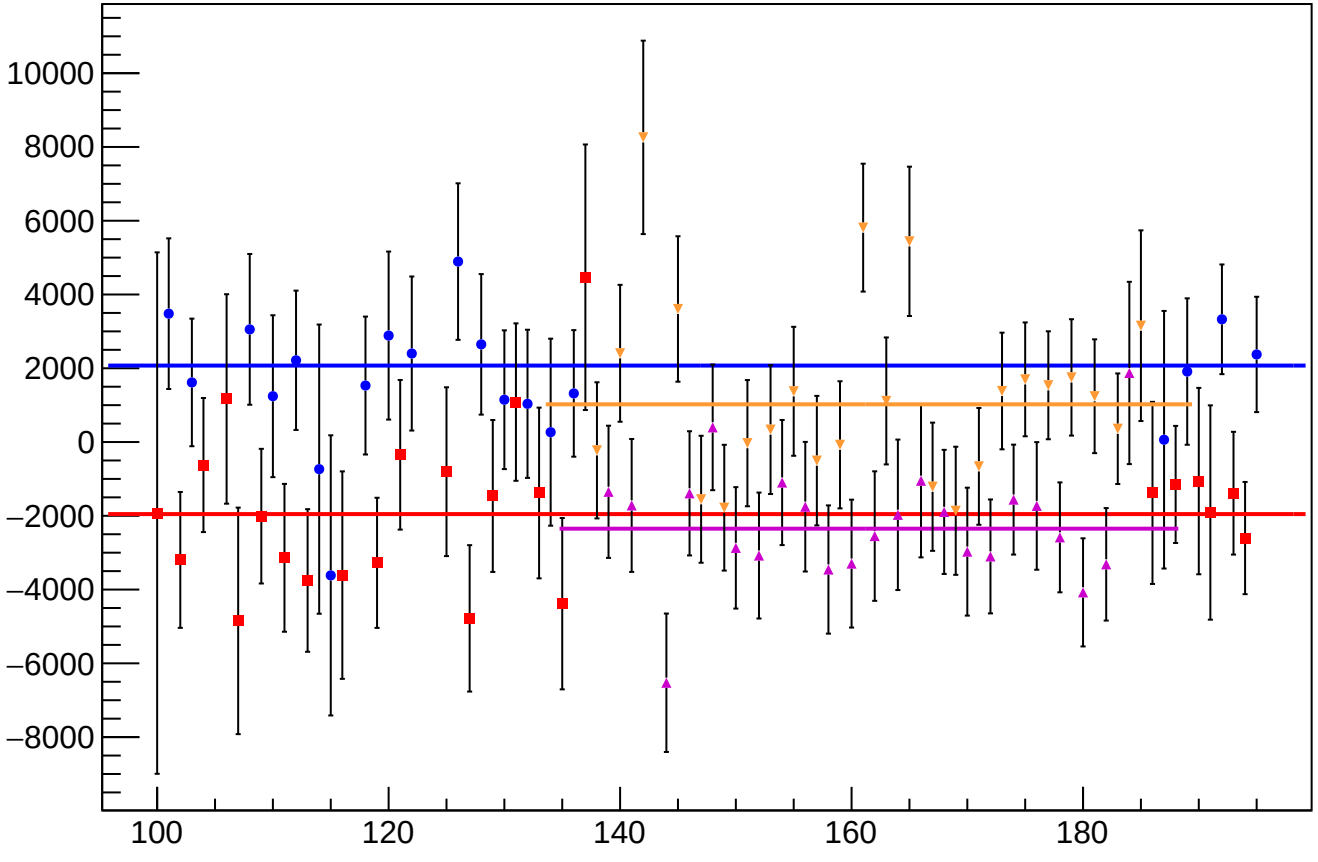
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9307643.5/43

All: 0.000+/-0.000 χ^2/NDF: 18228388.4/90

- sign 0.000+/-0.000 χ^2/NDF: 8892968.3/46

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: -1953.713+/-433.016 χ^2/NDF: 15.3/23

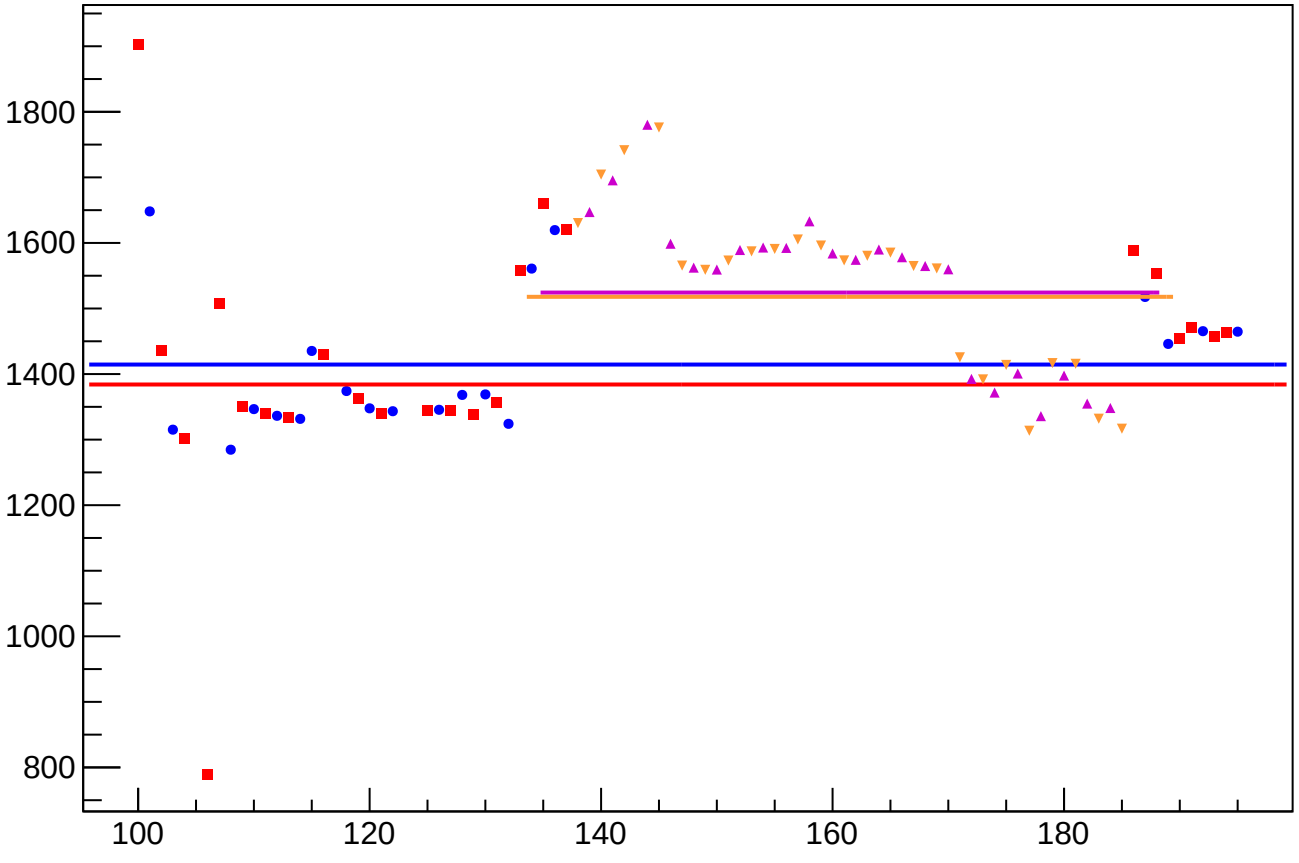
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.709+/-278.760 χ^2/NDF: 47.9/43

All: -406.021+/-195.945 χ^2/NDF: 164.4/90

- sign -2189.119+/-275.486 χ^2/NDF: 31.7/46

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

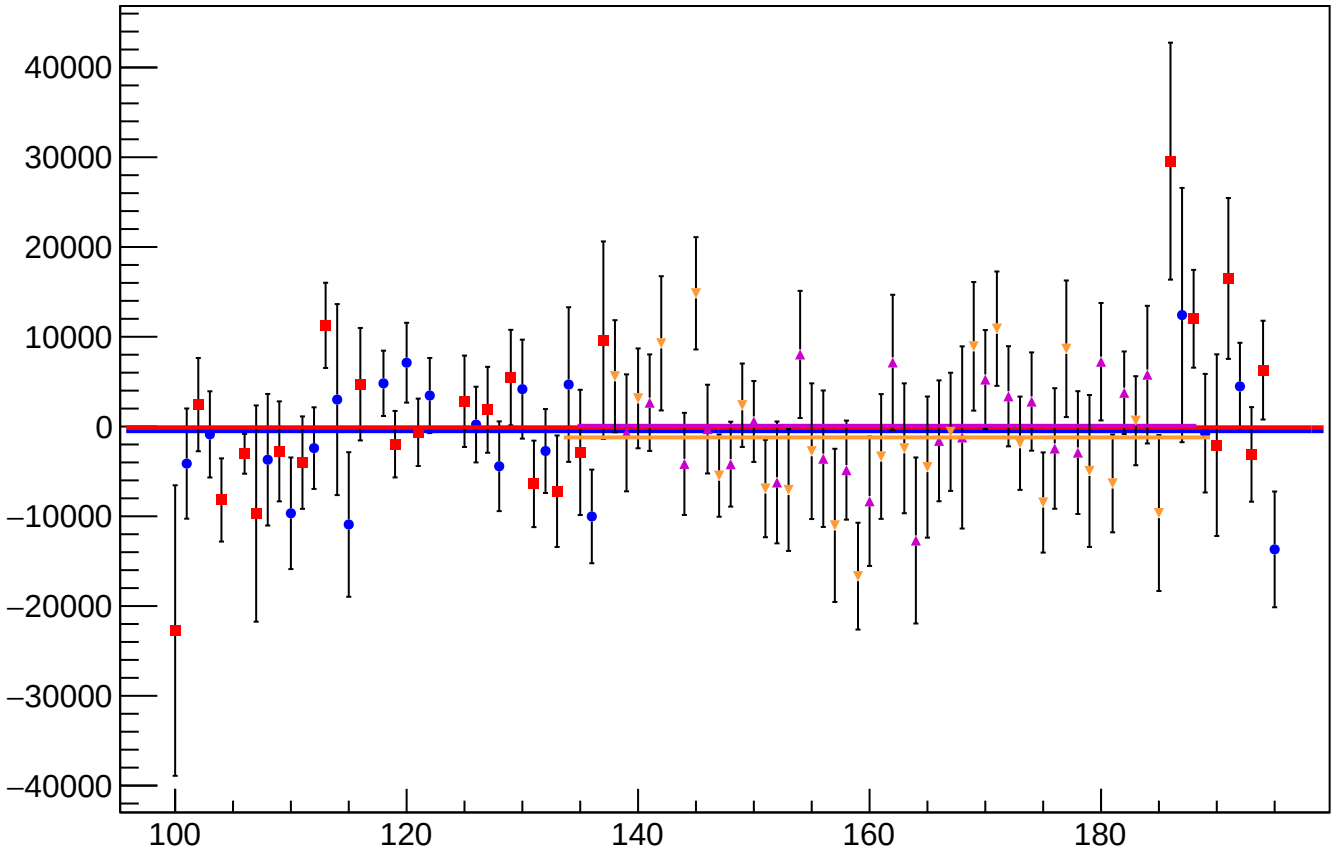
Right Out: 1384.080+/-0.299 χ^2/NDF: 383600.1/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.7/43

All: 1472.271+/-0.138 χ^2/NDF: 1139301.4/90

- sign 1466.042+/-0.193 χ^2/NDF: 736108.4/46



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: -85.483+/-1038.028 χ^2/NDF: 35.7/23

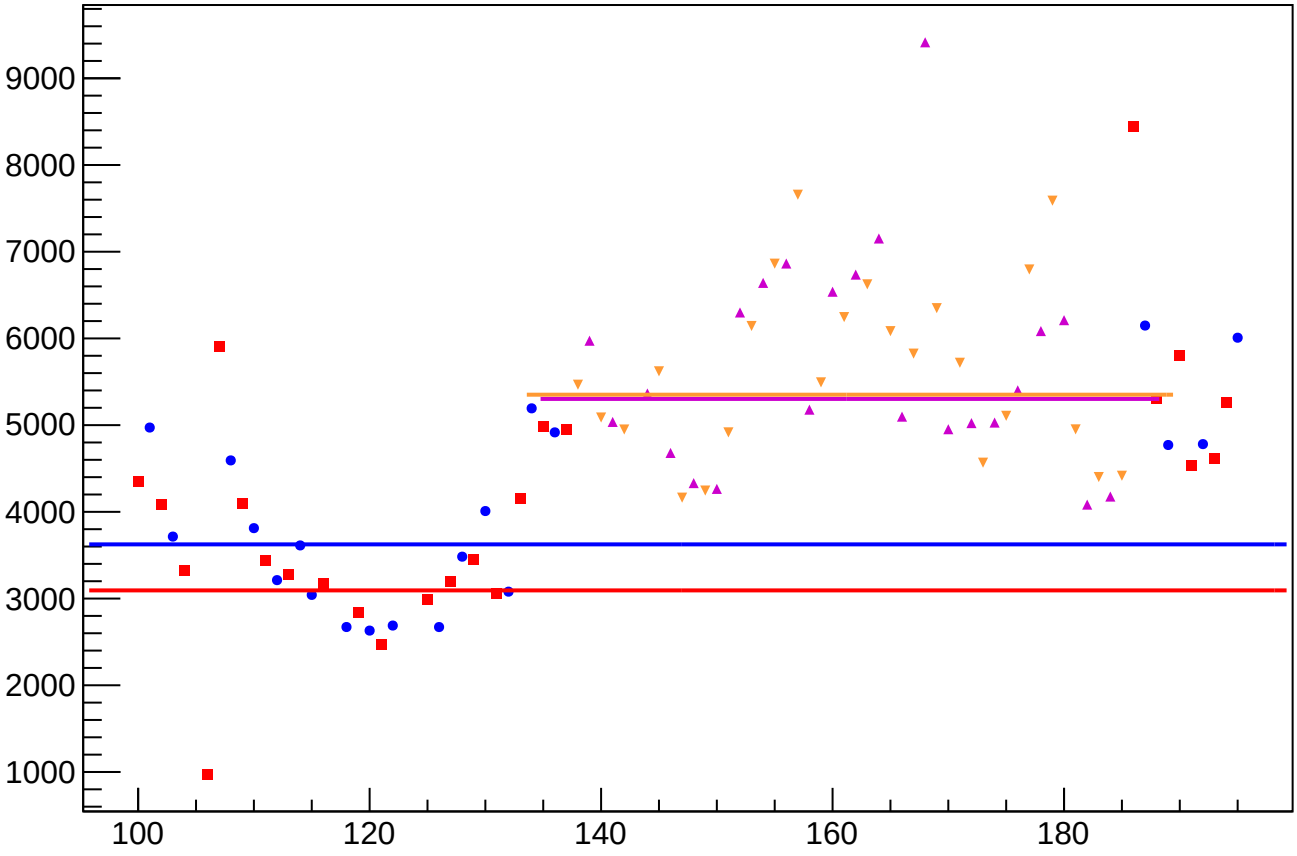
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -847.010+/-873.215 χ^2/NDF: 55.4/43

All: -397.759+/-590.784 χ^2/NDF: 104.8/90

- sign -18.537+/-802.275 χ^2/NDF: 48.9/46

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: 3094.197+/-0.734 χ^2/NDF: 3783879.9/23

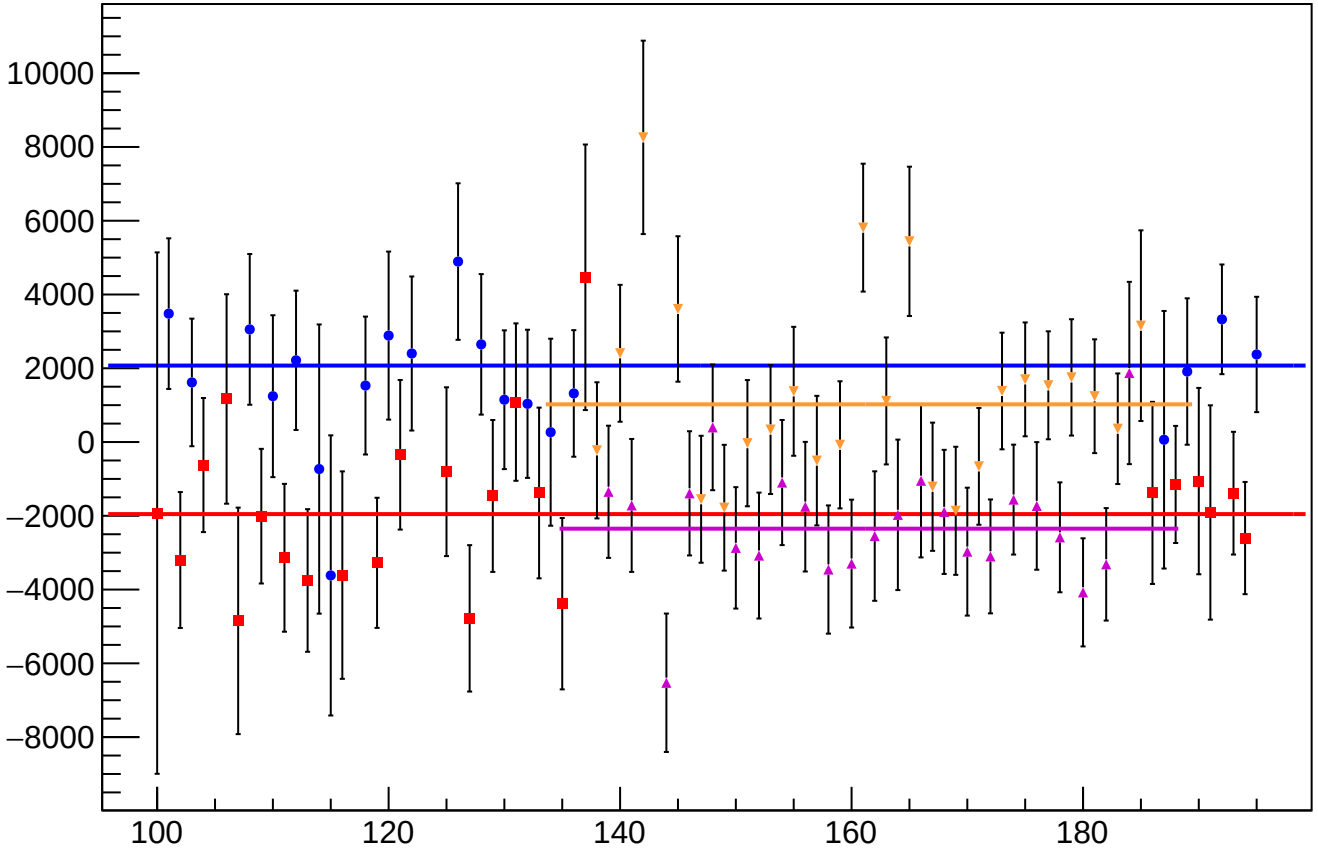
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4443.193+/-0.617 χ^2/NDF: 4352902.6/43

All: 4193.780+/-0.418 χ^2/NDF: 13337608.9/9

- sign 3983.244+/-0.567 χ^2/NDF: 8683809.5/46

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: -1953.831+/-433.018 χ^2/NDF: 15.3/23

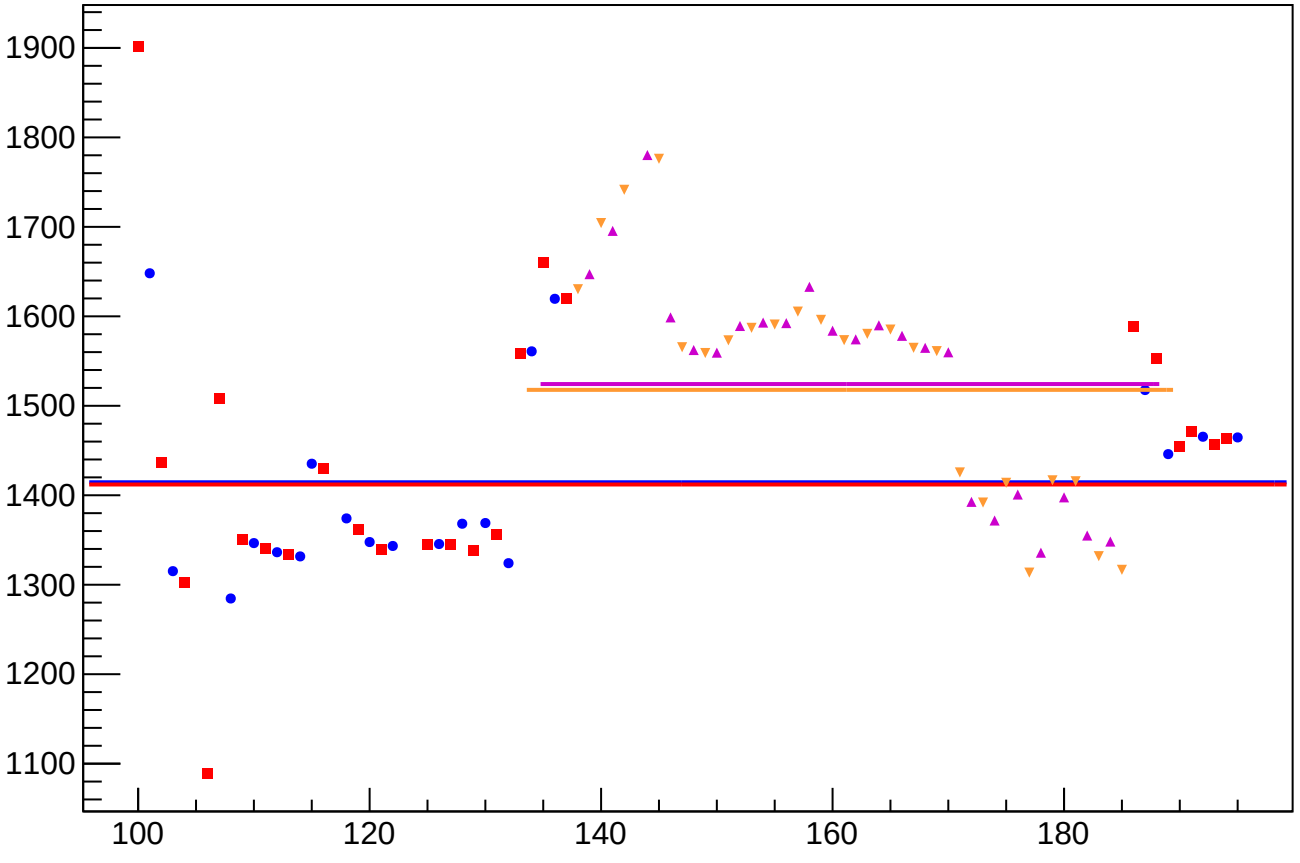
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.743+/-278.760 χ^2/NDF: 47.9/43

All: -406.025+/-195.945 χ^2/NDF: 164.4/90

- sign -2189.165+/-275.486 χ^2/NDF: 31.7/46

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

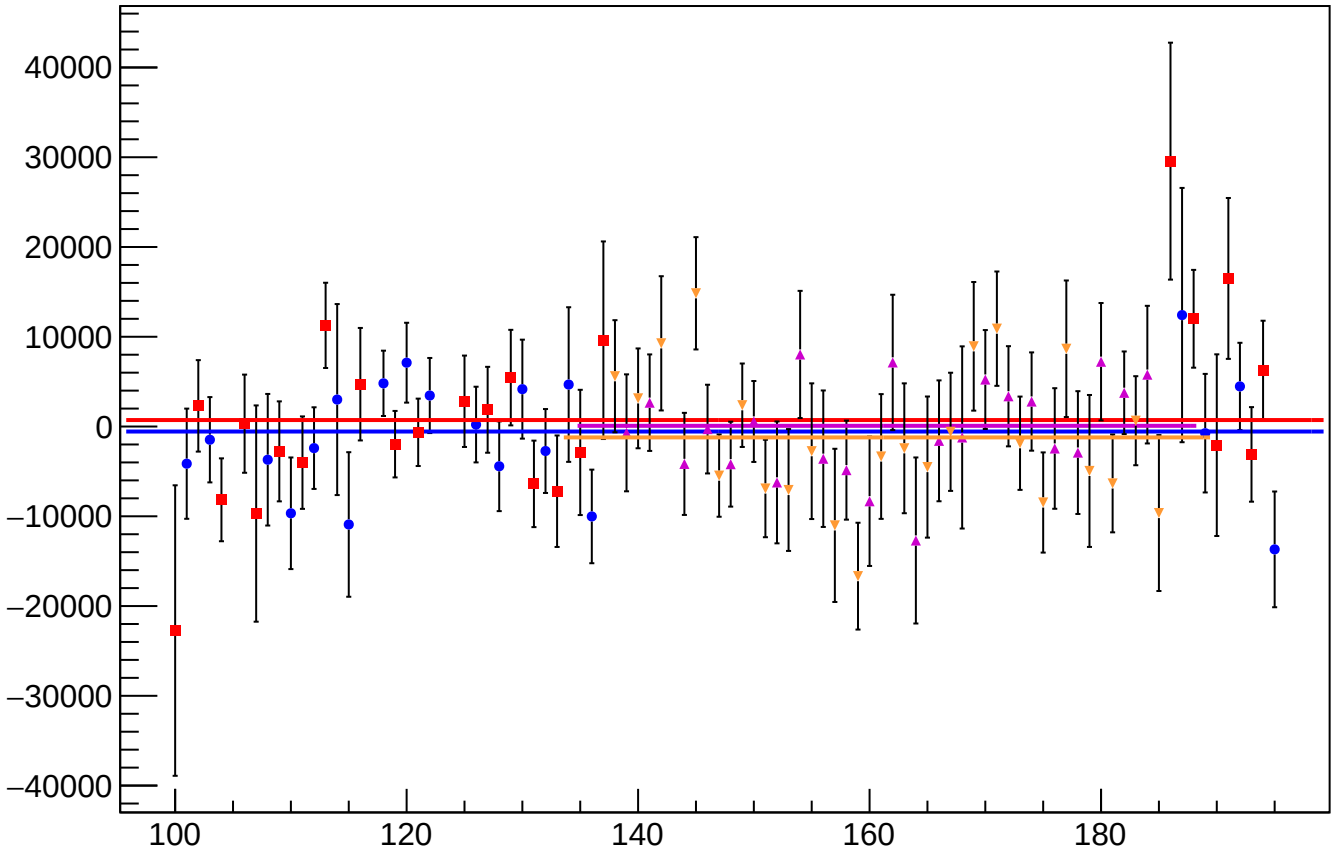
Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.8/43

All: 1478.563+/-0.138 χ^2/NDF: 861280.6/90

- sign 1478.367+/-0.194 χ^2/NDF: 460212.7/46



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: 721.367+/-1147.615 χ^2/NDF: 33.4/23

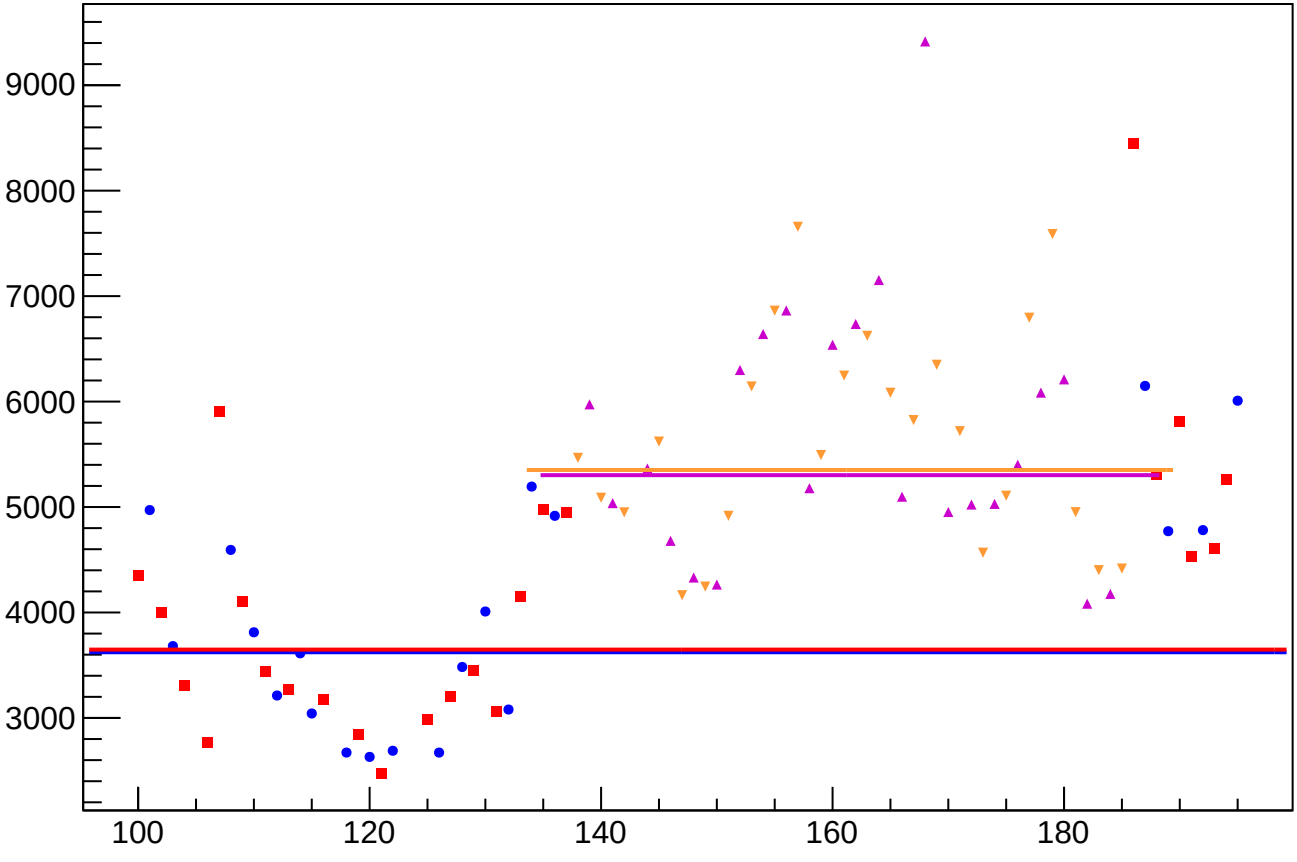
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -867.364+/-872.913 χ^2/NDF: 55.4/43

All: -200.242+/-608.891 χ^2/NDF: 103.3/90

- sign 431.957+/-849.759 χ^2/NDF: 46.8/46

asym_usl_atl2_avg_cor_correction_rms vs Slug



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: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

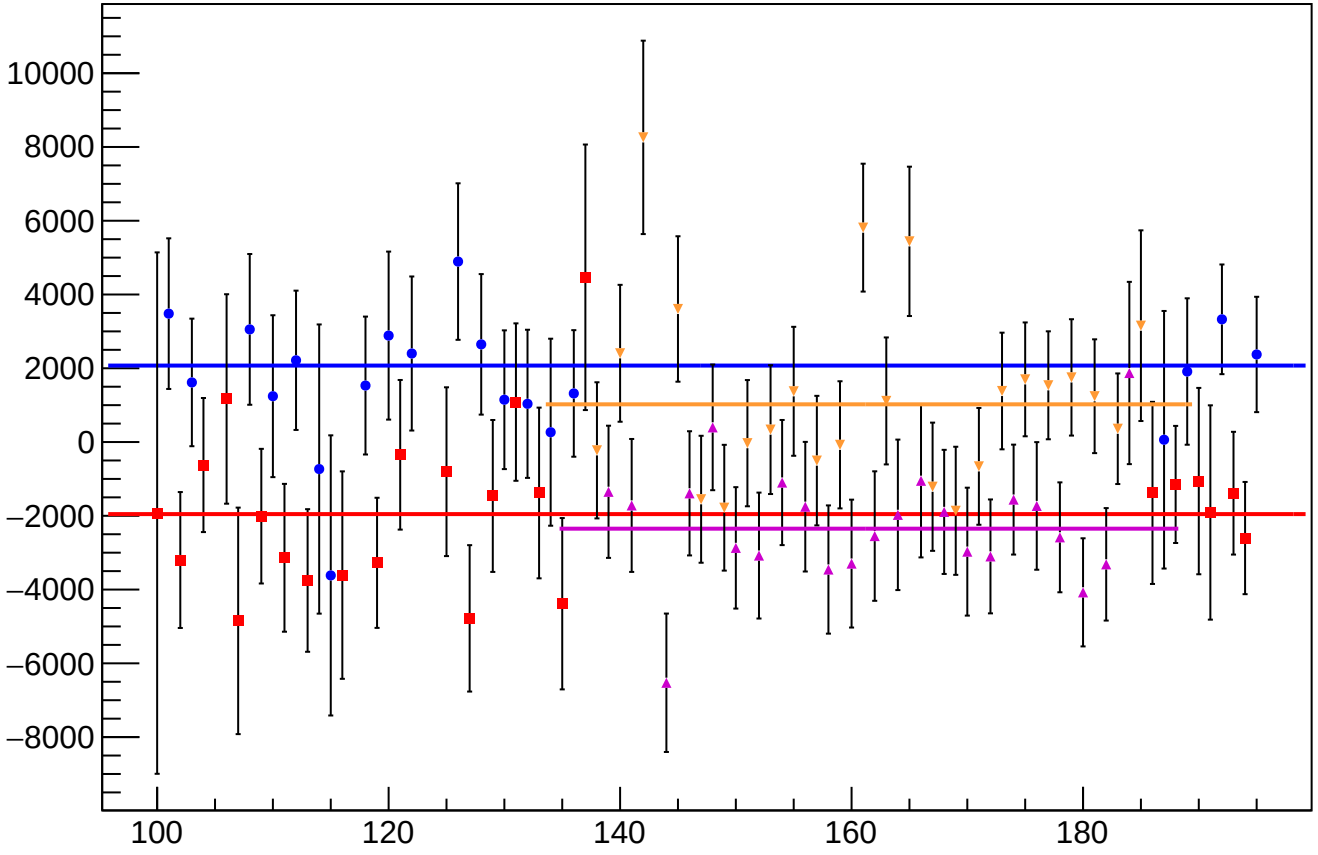
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4441.549+/-0.617 χ^2/NDF: 4358229.4/43

All: 4417.759+/-0.431 χ^2/NDF: 8967930.0/90

\- sign 4395.215+/-0.601 χ^2/NDF: 4606807.5/46

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: -1953.831+/-433.018 χ^2/NDF: 15.3/23

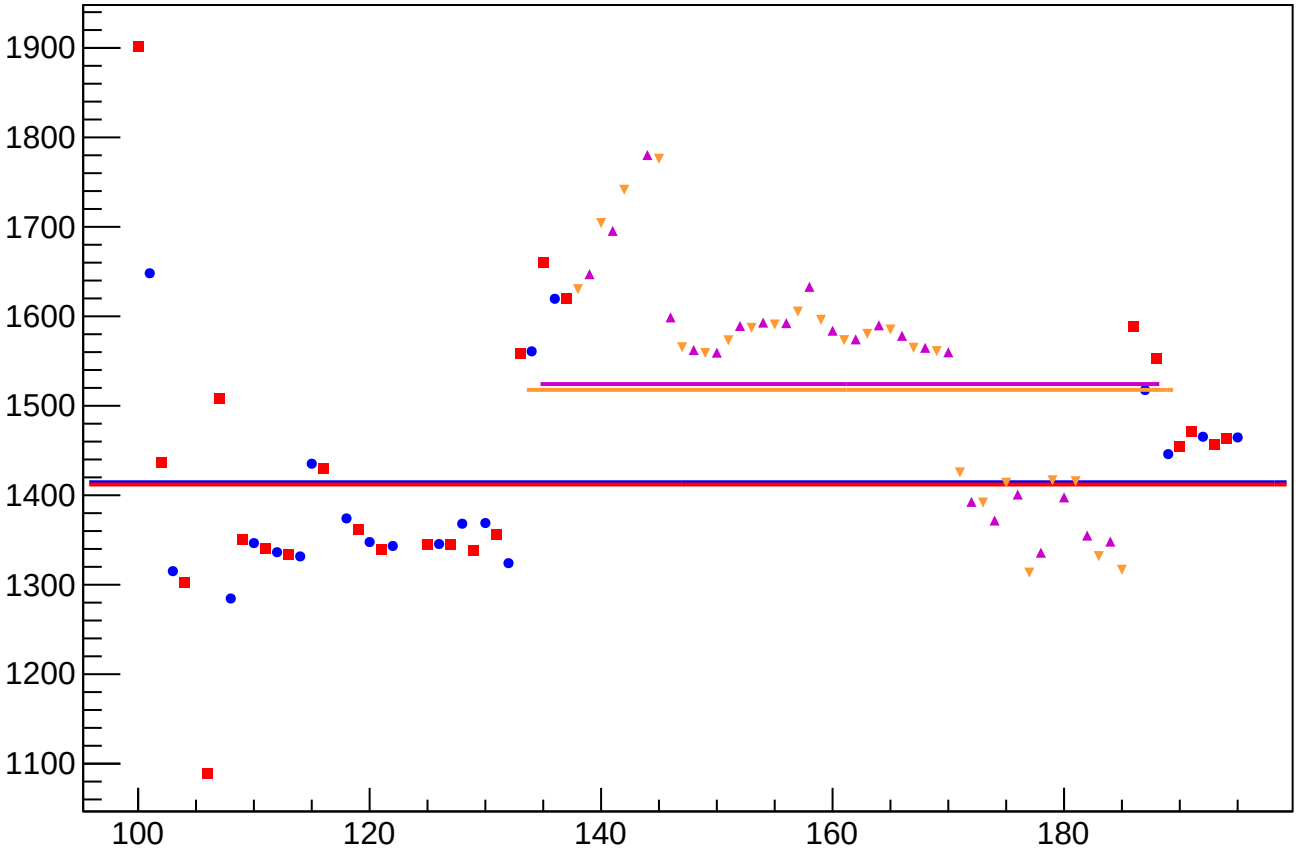
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1419.743+/-278.760 χ^2/NDF: 47.9/43

All: -406.025+/-195.945 χ^2/NDF: 164.4/90

- sign -2189.165+/-275.486 χ^2/NDF: 31.7/46

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

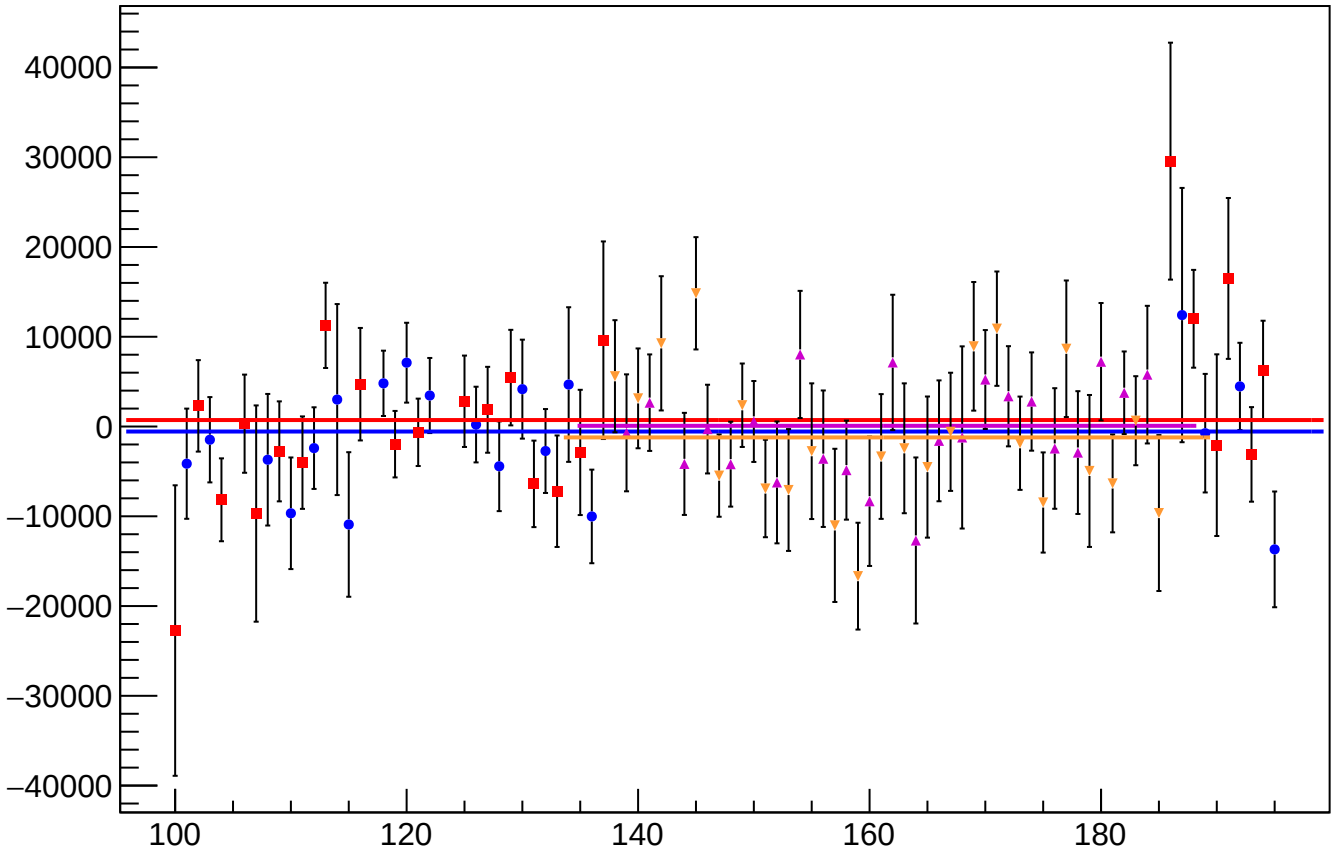
Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.766+/-0.197 χ^2/NDF: 401065.8/43

All: 1478.563+/-0.138 χ^2/NDF: 861280.6/90

- sign 1478.367+/-0.194 χ^2/NDF: 460212.7/46



Right In: -557.294+/-1203.225 χ^2/NDF: 22.0/19

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

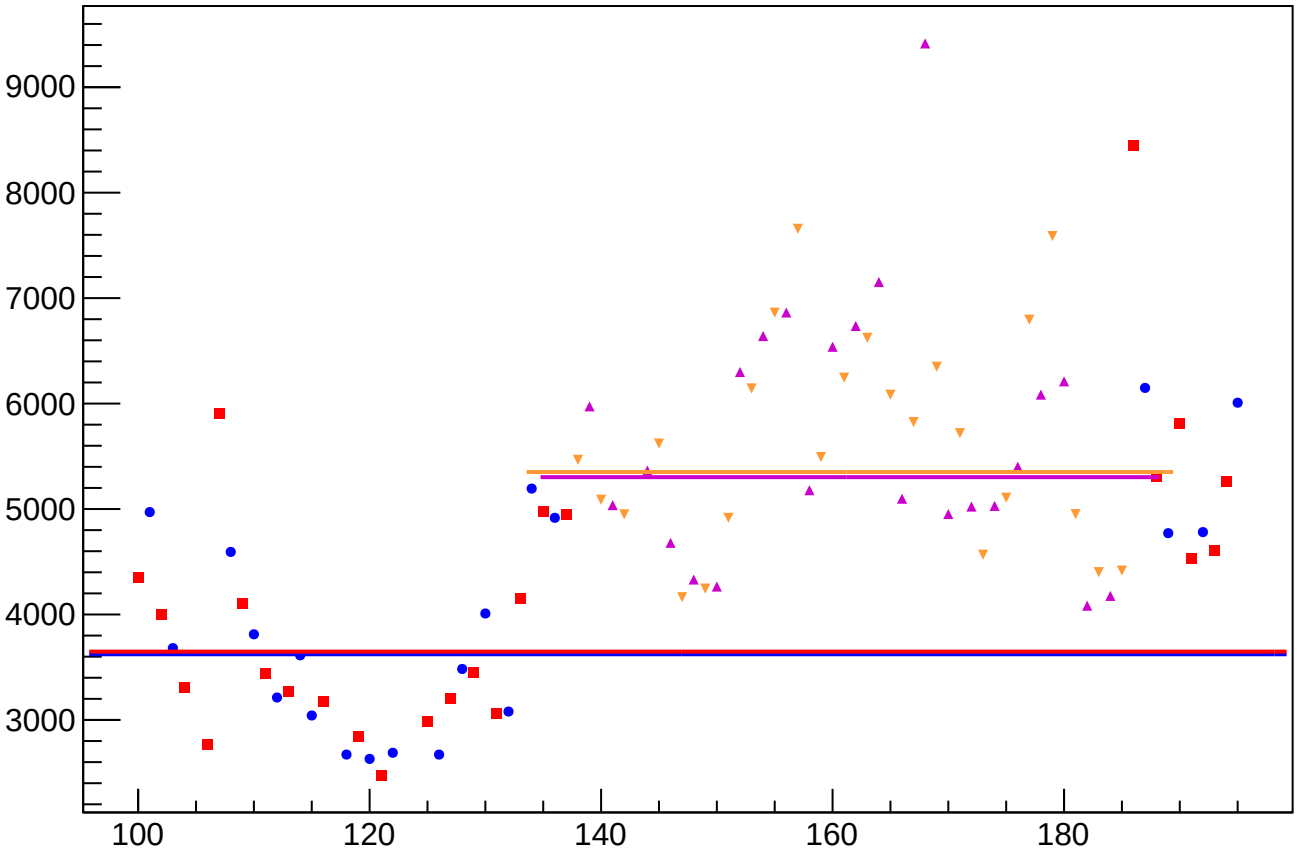
Right Out: 721.367+/-1147.615 χ^2/NDF: 33.4/23

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -867.364+/-872.913 χ^2/NDF: 55.4/43

All: -200.242+/-608.891 χ^2/NDF: 103.3/90

- sign 431.957+/-849.759 χ^2/NDF: 46.8/46



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: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

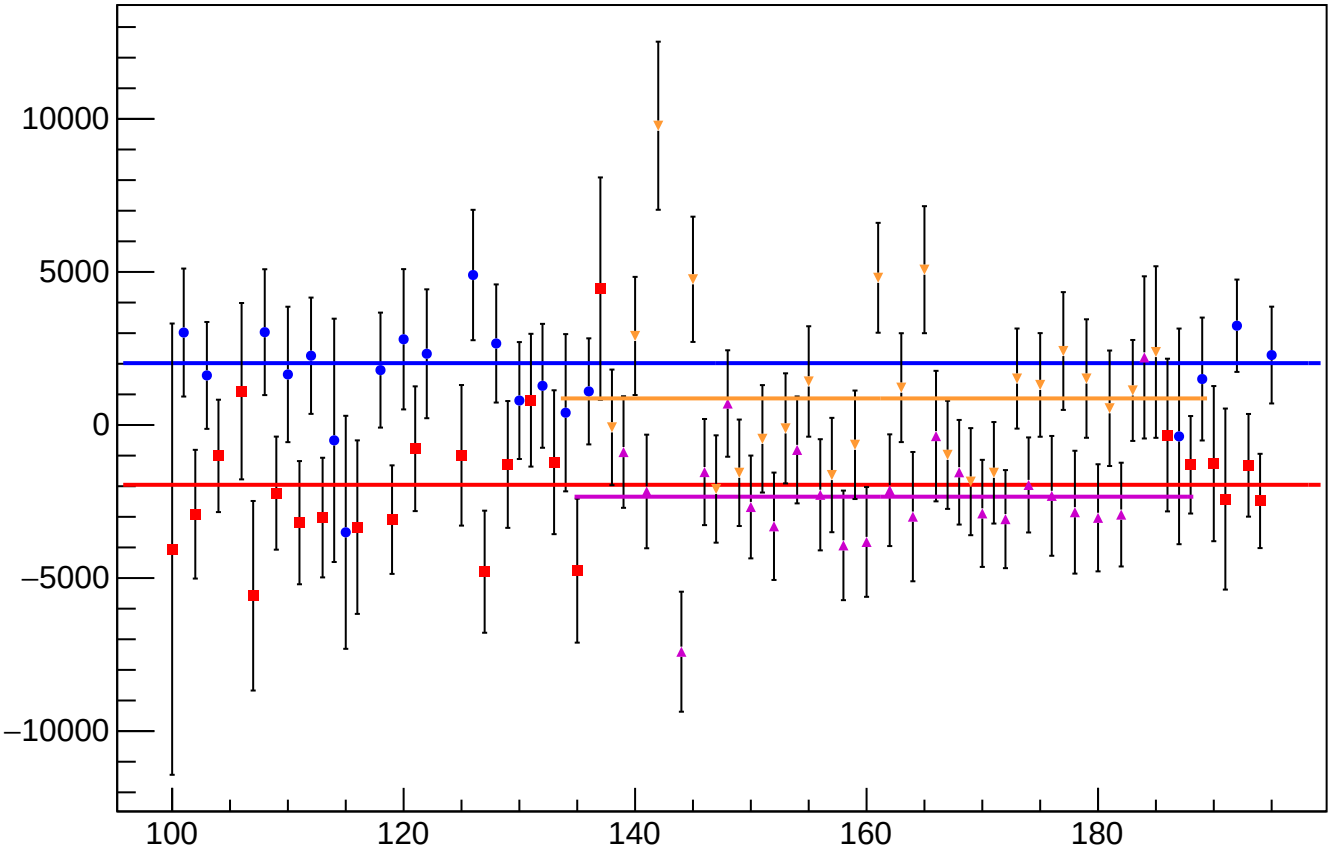
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4441.549+/-0.617 χ^2/NDF: 4358229.4/43

All: 4417.759+/-0.431 χ^2/NDF: 8967930.0/90

- sign 4395.215+/-0.601 χ^2/NDF: 4606807.5/46

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: -1953.704+/-439.439 χ^2/NDF: 14.3/23

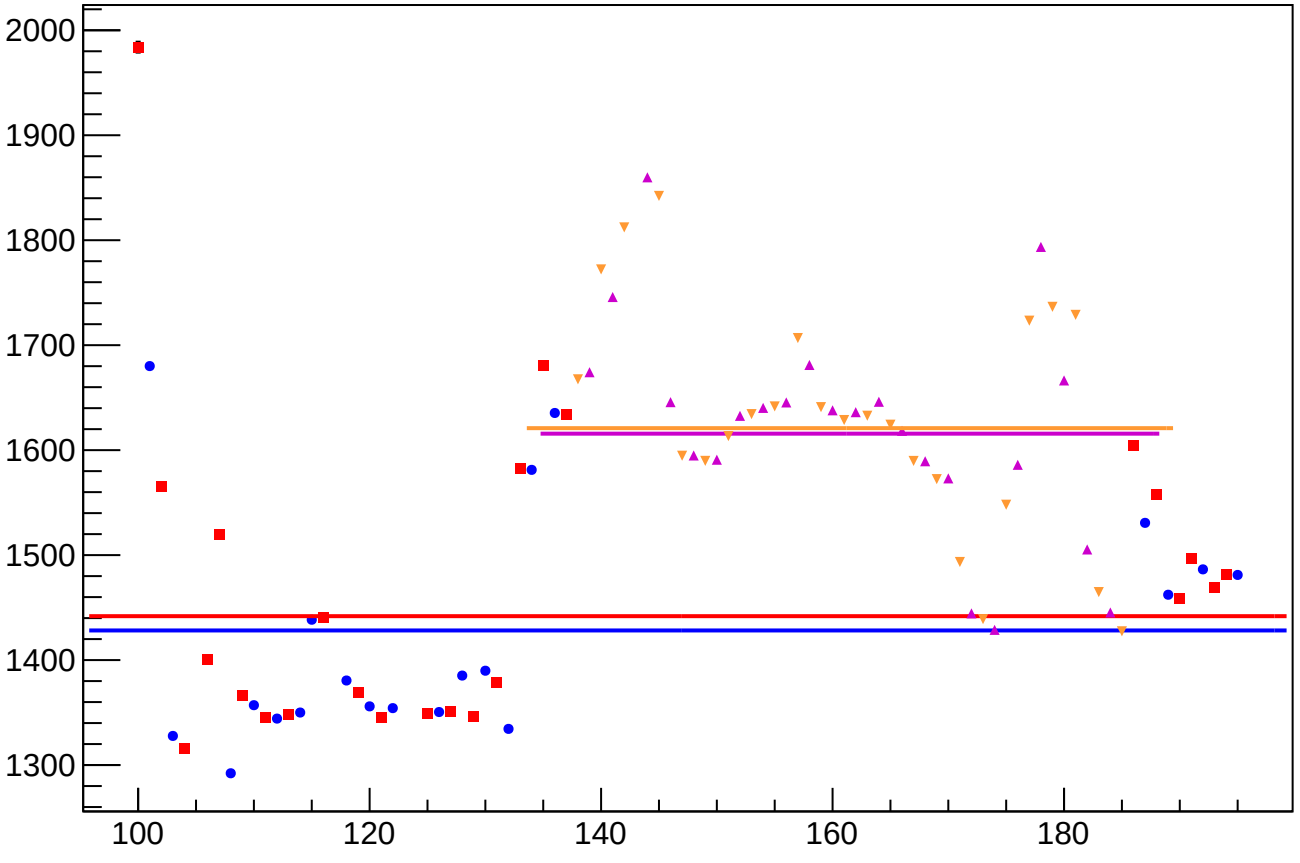
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1334.093+/-291.159 χ^2/NDF: 51.1/43

All: -449.045+/-204.256 χ^2/NDF: 157.7/90

- sign -2176.989+/-286.617 χ^2/NDF: 32.7/46

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: 1441.835+/-0.310 χ^2/NDF: 117808.6/23

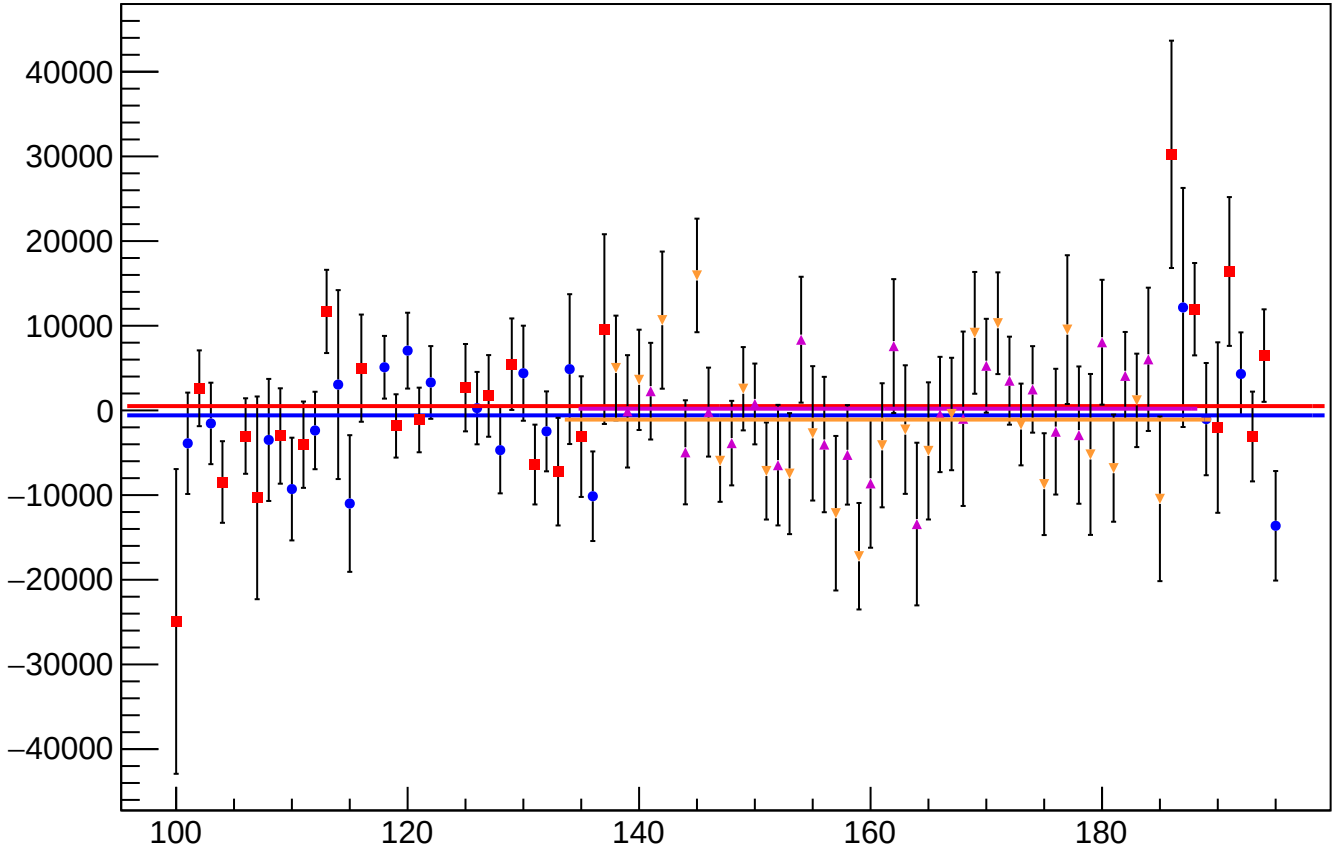
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1543.064+/-0.206 χ^2/NDF: 461862.4/43

All: 1542.311+/-0.144 χ^2/NDF: 897121.0/90

- sign 1541.582+/-0.203 χ^2/NDF: 435232.2/46

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: 509.630+/-1137.261 χ^2/NDF: 34.5/23

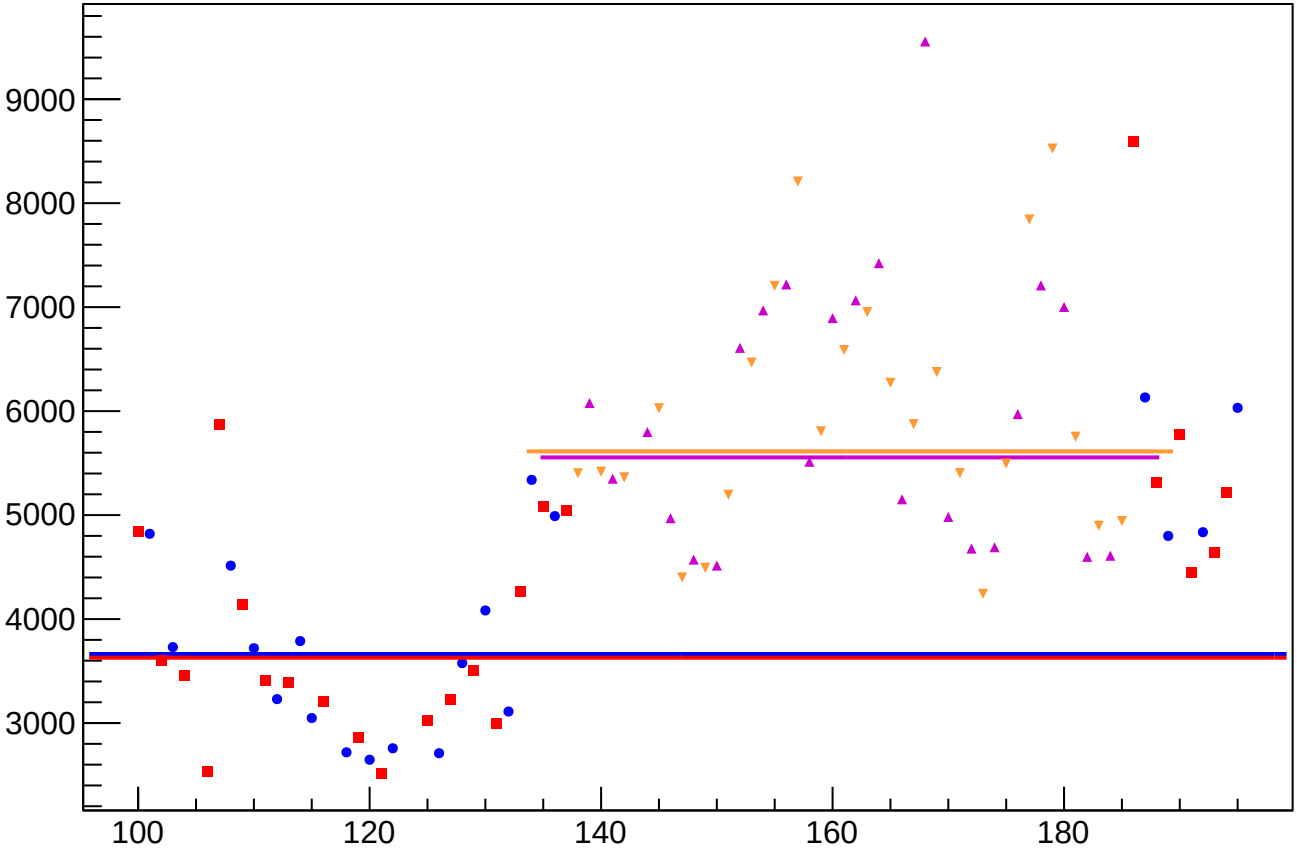
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -810.398+/-897.923 χ^2/NDF: 54.7/43

All: -192.261+/-622.325 χ^2/NDF: 103.1/90

- sign 379.125+/-863.299 χ^2/NDF: 47.4/46

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: 3628.574+/-0.804 χ^2/NDF: 1517110.9/23

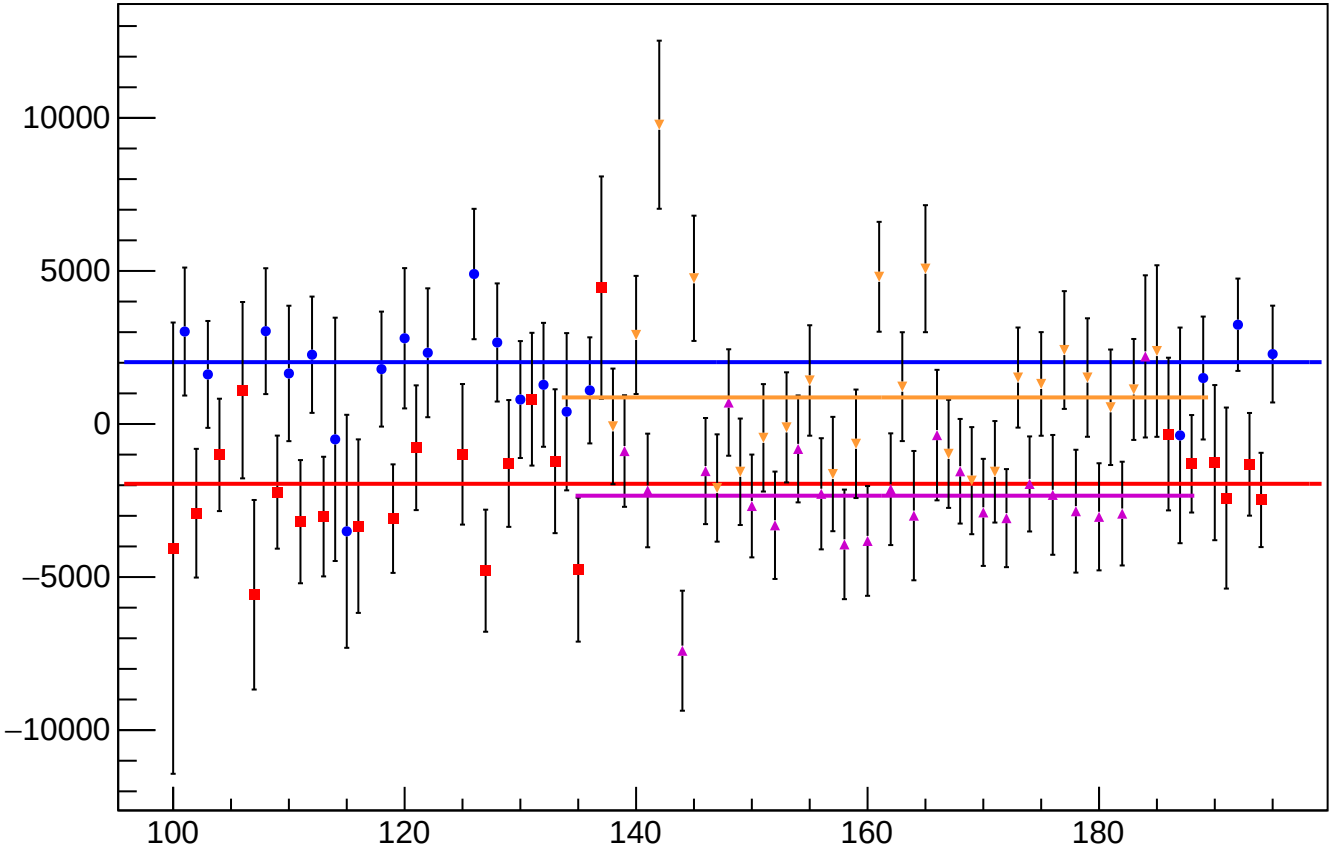
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

\+ sign 4549.139+/-0.635 χ^2/NDF: 4815831.0/43

All: 4494.965+/-0.440 χ^2/NDF: 10111581.5/9

\- sign 4444.889+/-0.610 χ^2/NDF: 5281741.3/46

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: -1953.703+/-439.439 χ^2/NDF: 14.3/23

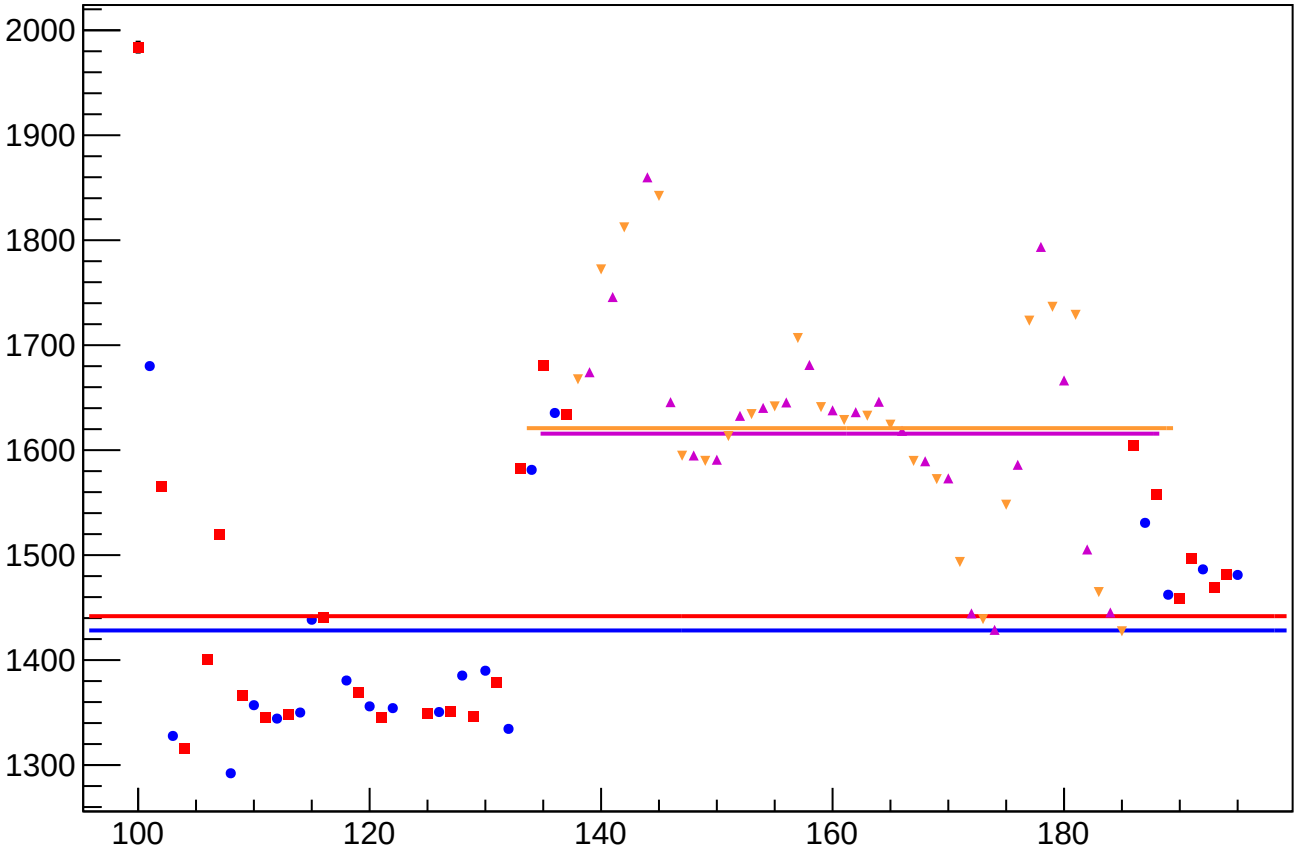
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1334.089+/-291.159 χ^2/NDF: 51.1/43

All: -449.047+/-204.256 χ^2/NDF: 157.7/90

- sign -2176.989+/-286.617 χ^2/NDF: 32.7/46

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

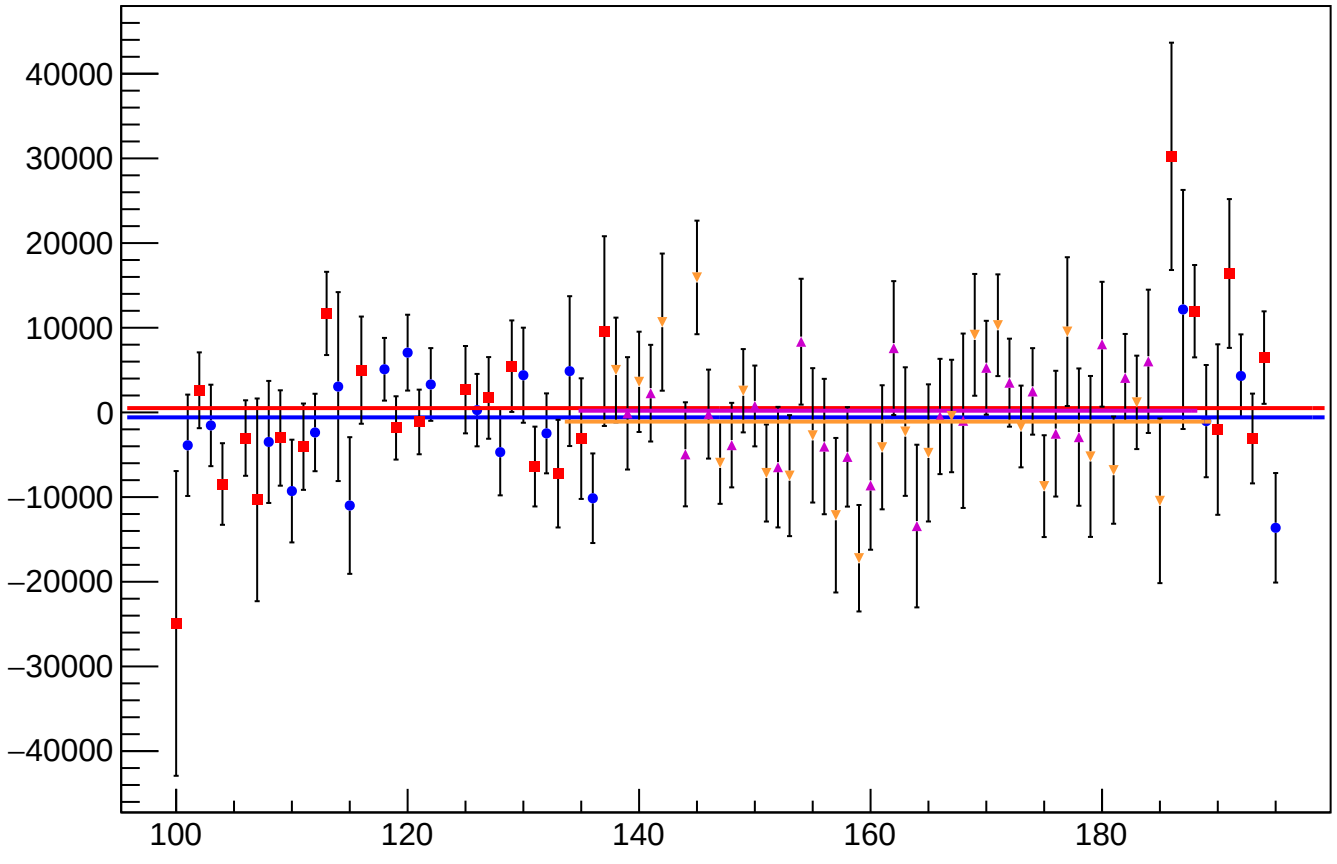
Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.7/23

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1543.065+/-0.206 χ^2/NDF: 461869.8/43

All: 1542.311+/-0.144 χ^2/NDF: 897136.0/90

- sign 1541.583+/-0.203 χ^2/NDF: 435239.8/46



Right In: -584.217+/-1215.359 χ^2/NDF: 21.7/19

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

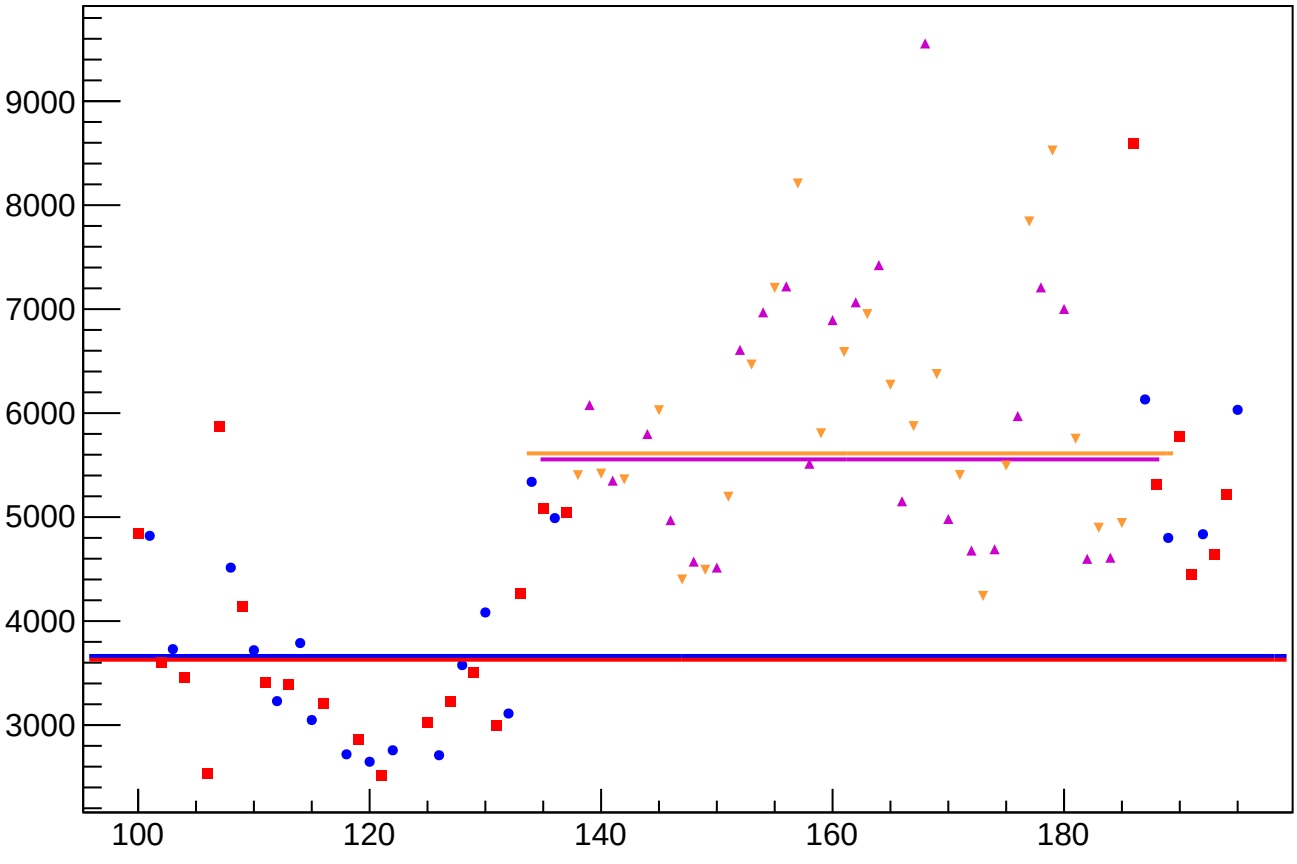
Right Out: 509.623+/-1137.259 χ^2/NDF: 34.5/23

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -810.396+/-897.923 χ^2/NDF: 54.7/43

All: -192.262+/-622.325 χ^2/NDF: 103.1/90

- sign 379.122+/-863.299 χ^2/NDF: 47.4/46



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: 3628.565+/-0.804 χ^2/NDF: 1517127.0/23

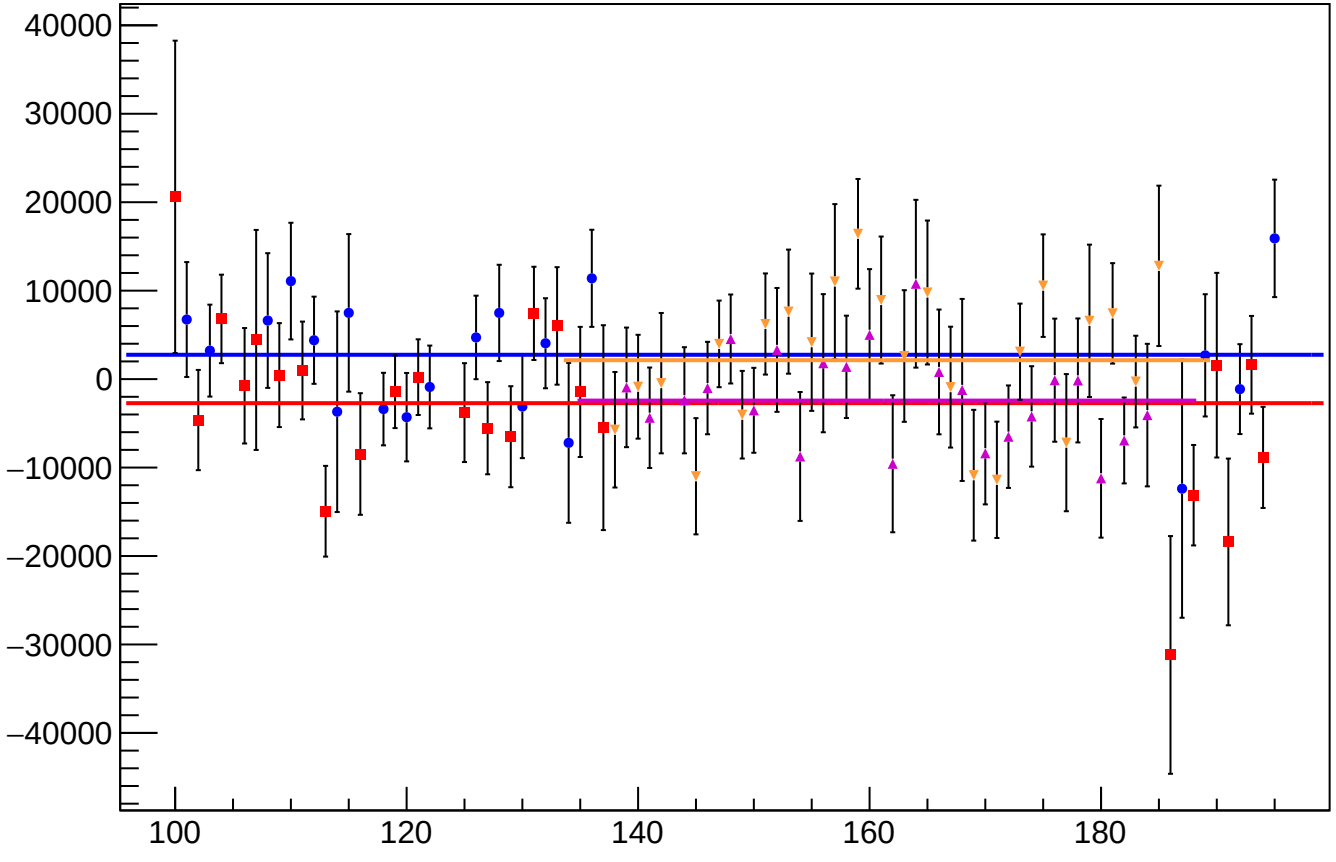
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4549.134+/-0.635 χ^2/NDF: 4815898.9/43

All: 4494.960+/-0.440 χ^2/NDF: 10111710.9/9

- sign 4444.884+/-0.610 χ^2/NDF: 5281802.8/46

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: -2718.206+/-1246.803 χ^2/NDF: 32.4/23

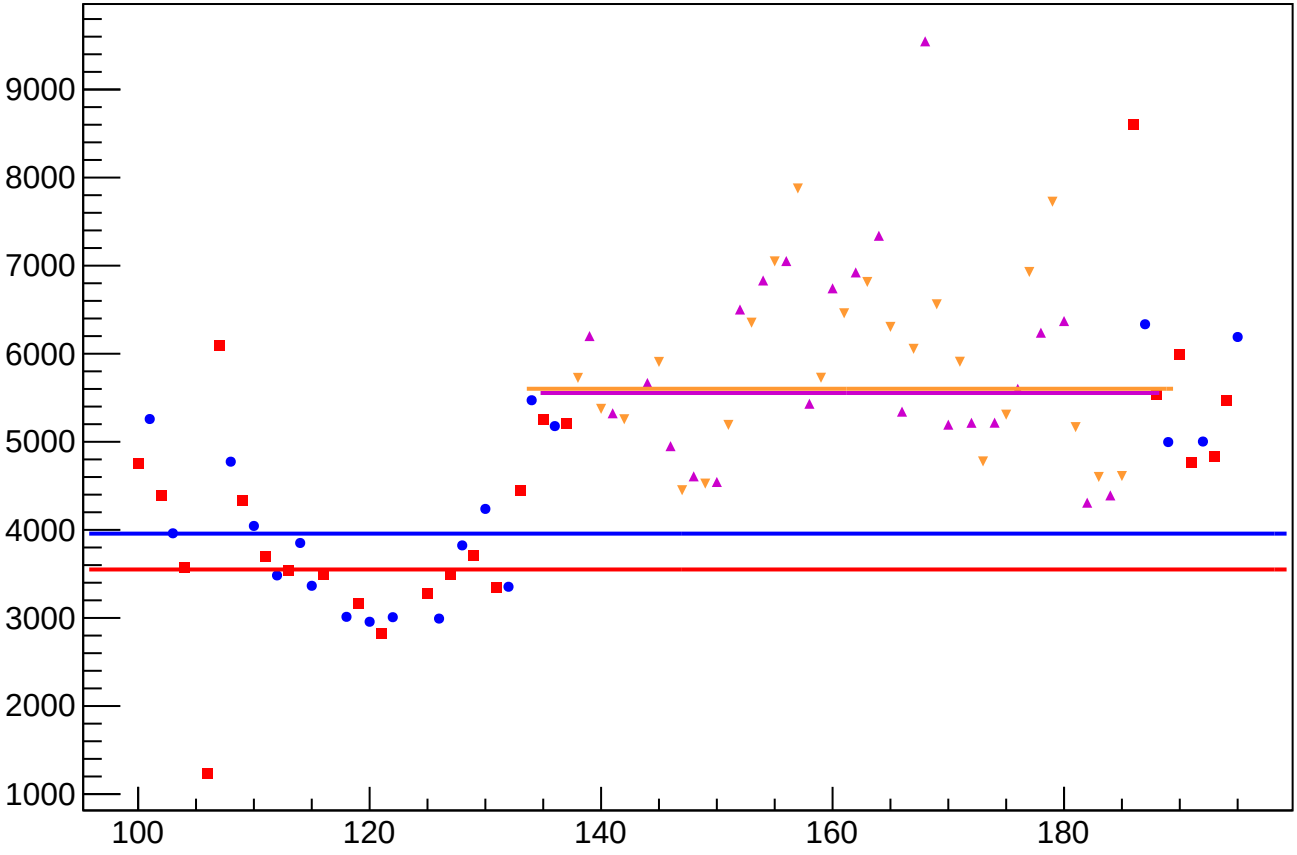
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2449.036+/-929.685 χ^2/NDF: 49.9/43

All: -129.071+/-649.124 χ^2/NDF: 110.2/90

- sign -2581.518+/-906.745 χ^2/NDF: 45.3/46

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: 3550.332+/-0.820 χ^2/NDF: 2778135.2/23

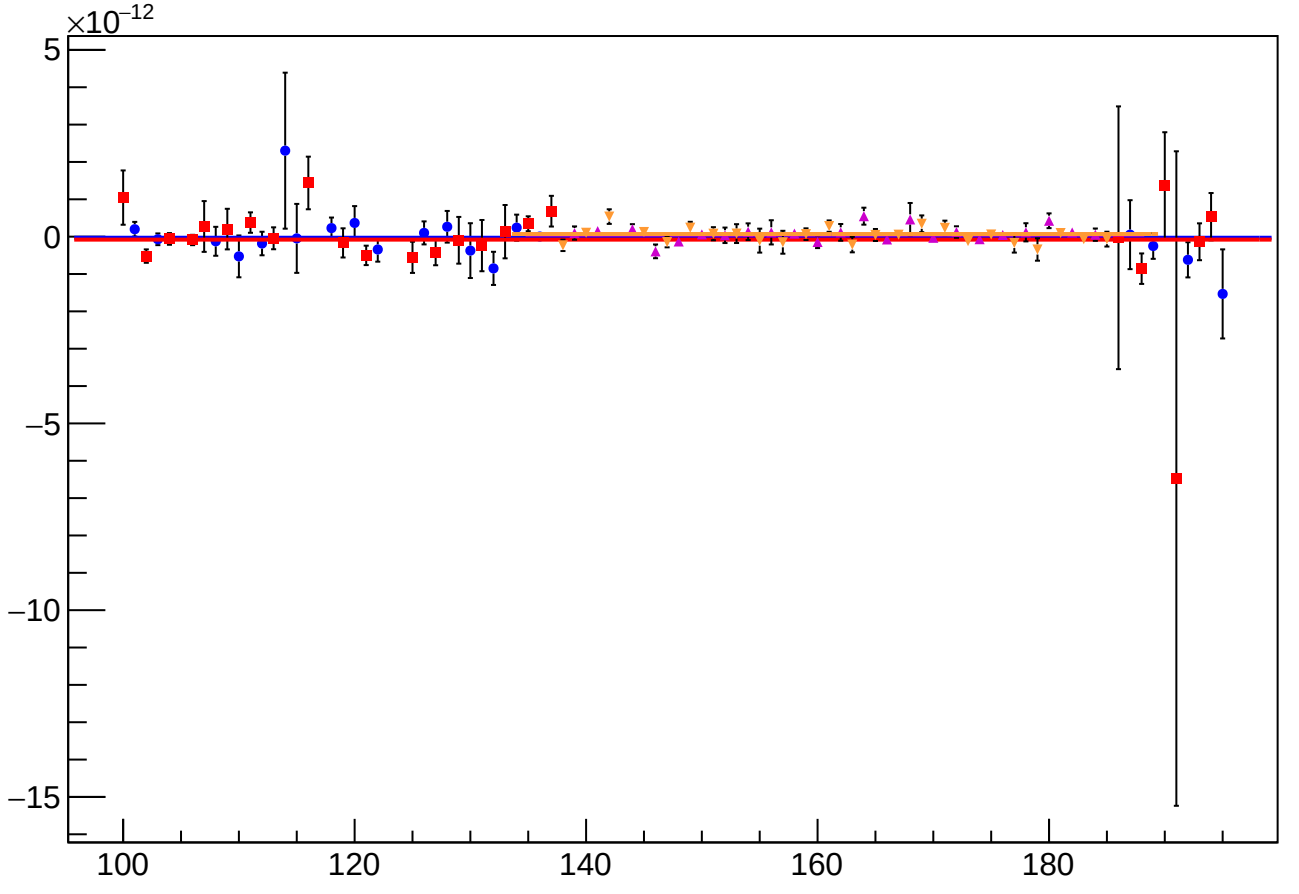
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4767.950+/-0.657 χ^2/NDF: 3586685.9/43

All: 4583.950+/-0.450 χ^2/NDF: 10222977.2/9

- sign 4422.271+/-0.616 χ^2/NDF: 6489111.4/46

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



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: 35.7/23

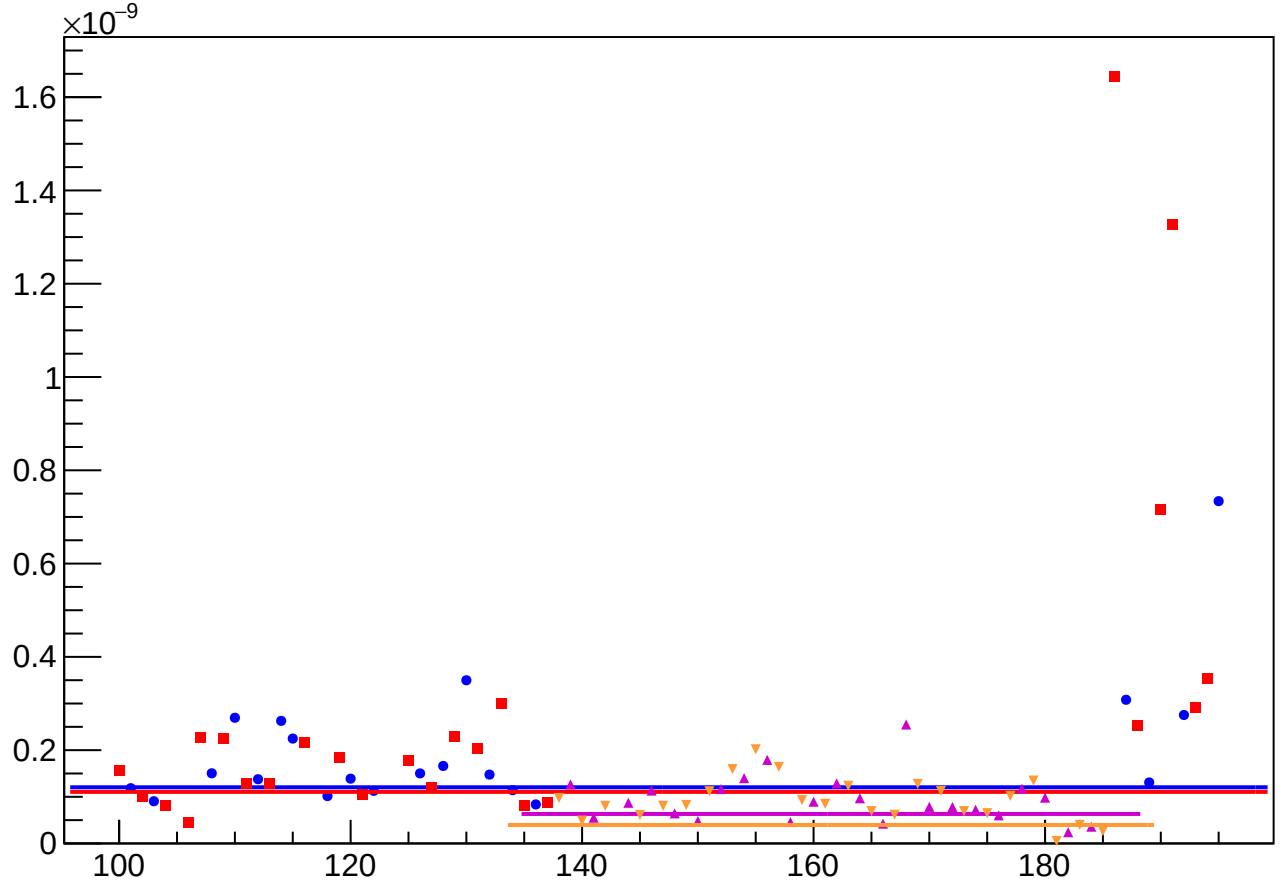
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/43

All: 0.000+/-0.000 χ^2/NDF: 110.5/90

- sign 0.000+/-0.000 χ^2/NDF: 64.7/46

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



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: 2746381.5/23

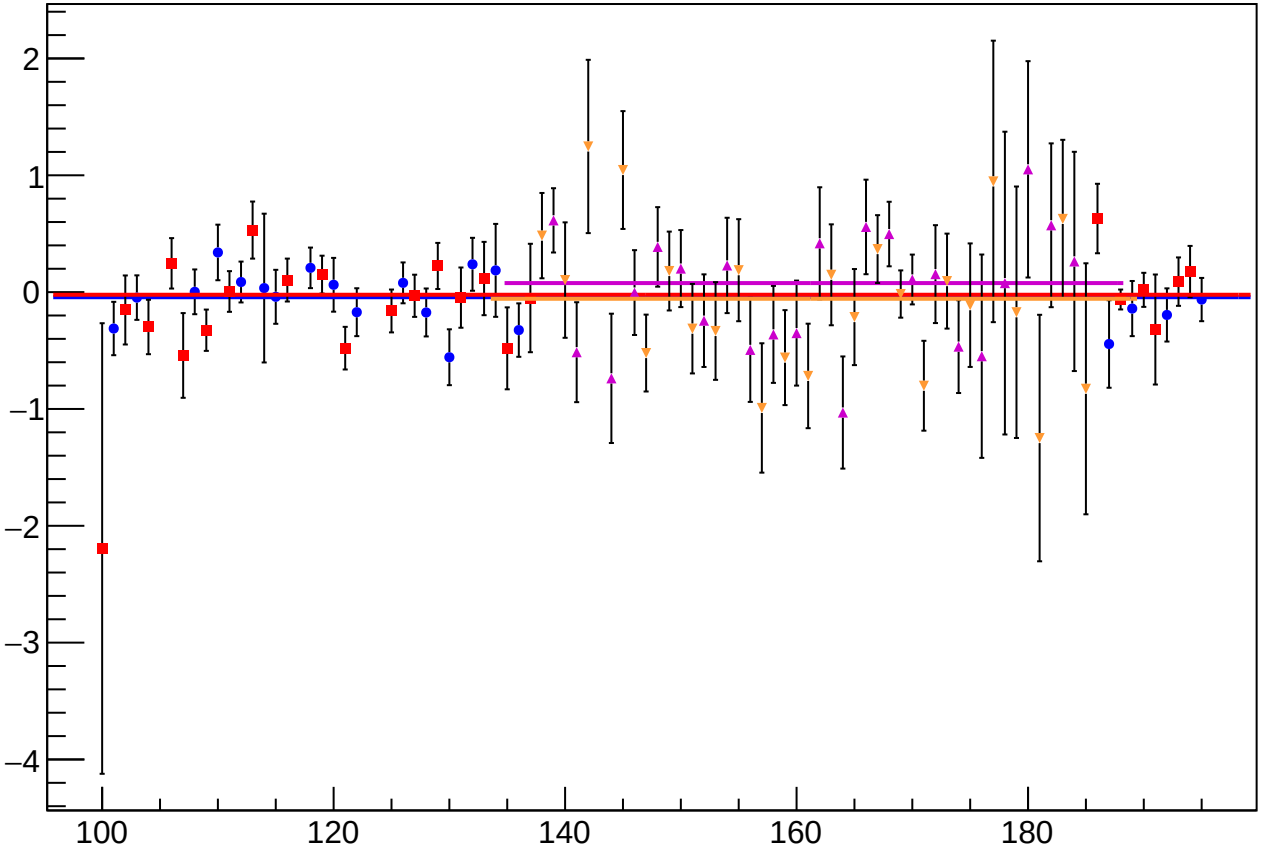
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11017712.3/43

All: 0.000+/-0.000 χ^2/NDF: 18616831.5/90

- sign 0.000+/-0.000 χ^2/NDF: 6591401.0/46

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

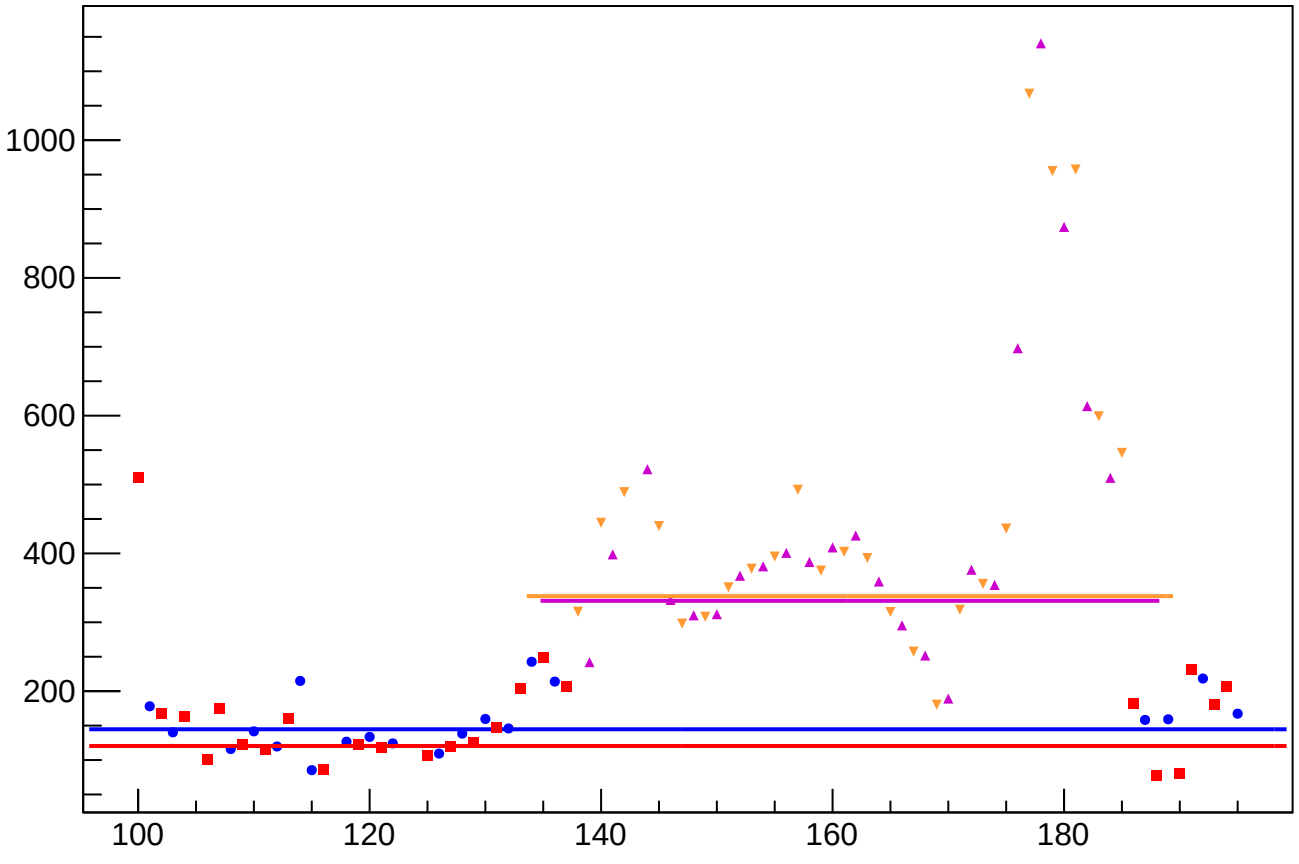
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.022+/-0.028 χ^2/NDF: 110.3/90

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

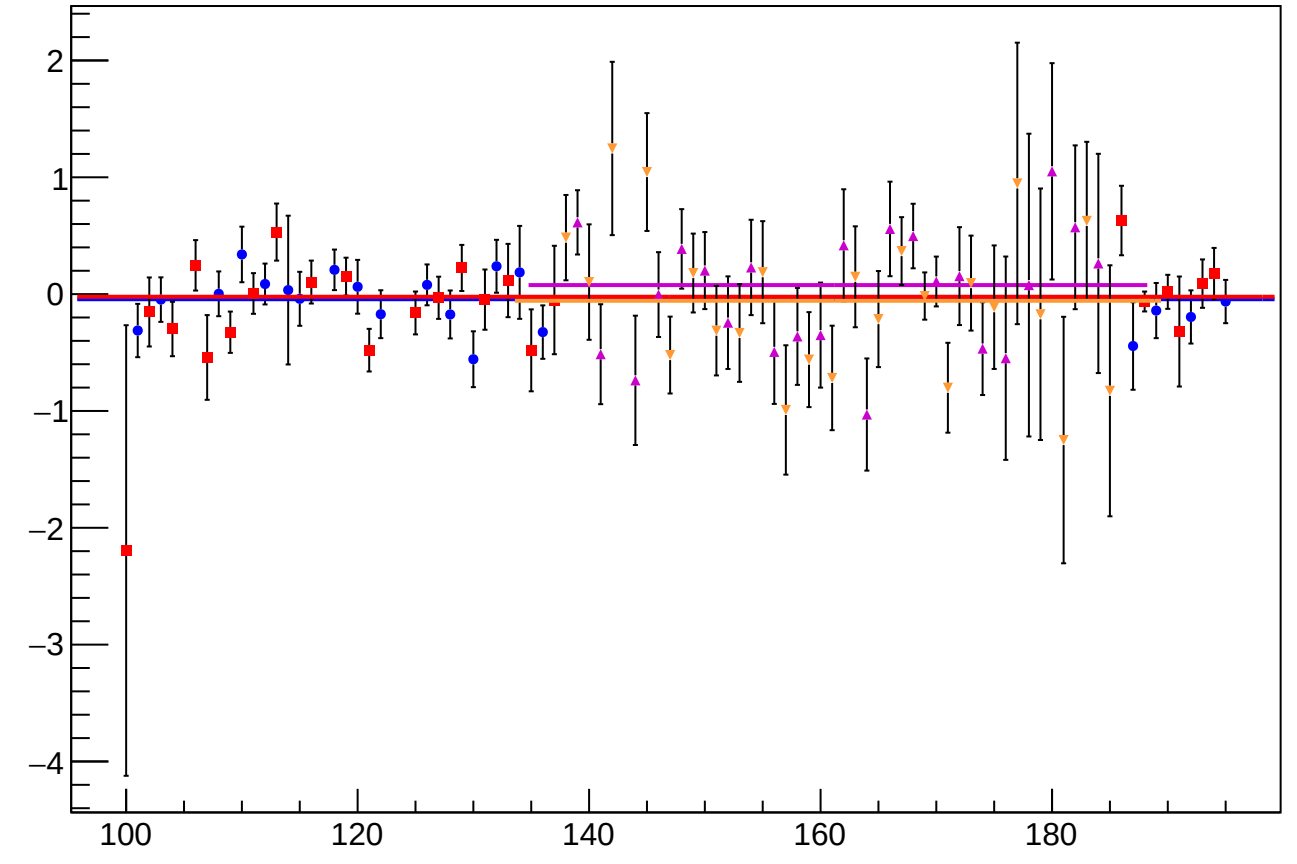
Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181332.7/43

All: 174.261+/-0.020 χ^2/NDF: 30503174.2/90

- sign 160.737+/-0.026 χ^2/NDF: 16672077.8/46



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

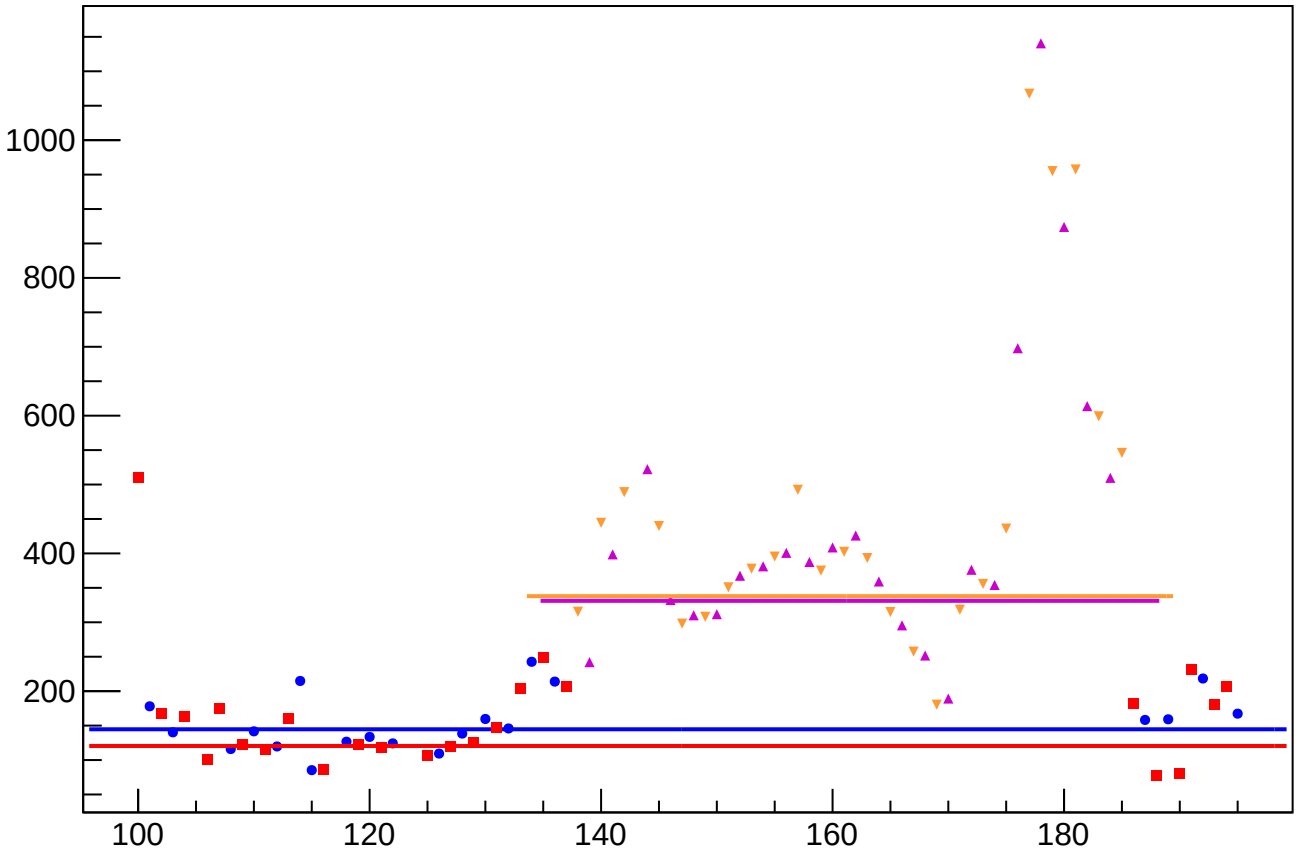
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.022+/-0.028 χ^2/NDF: 110.3/90

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

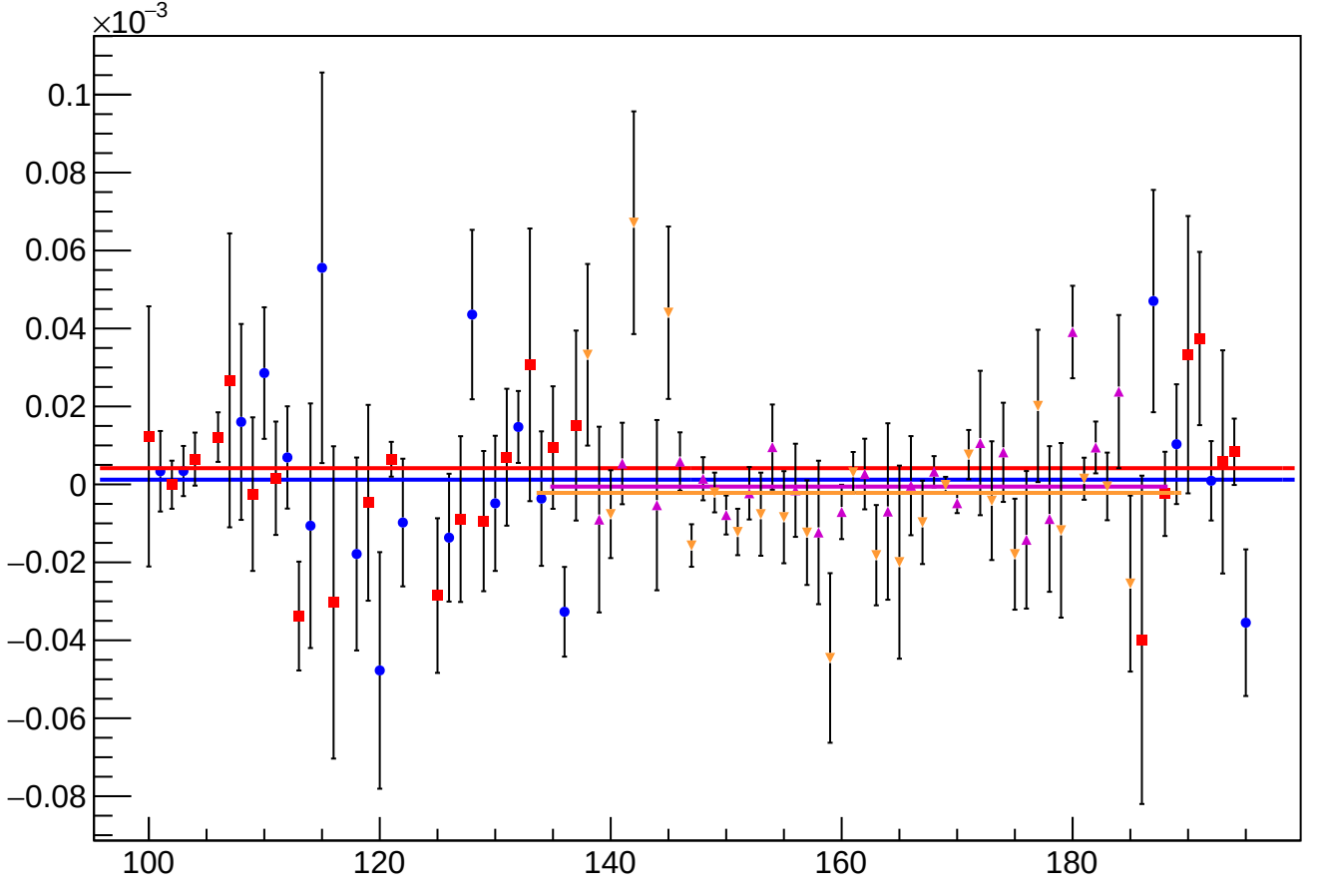
Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181332.7/43

All: 174.261+/-0.020 χ^2/NDF: 30503174.2/90

- sign 160.737+/-0.026 χ^2/NDF: 16672077.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

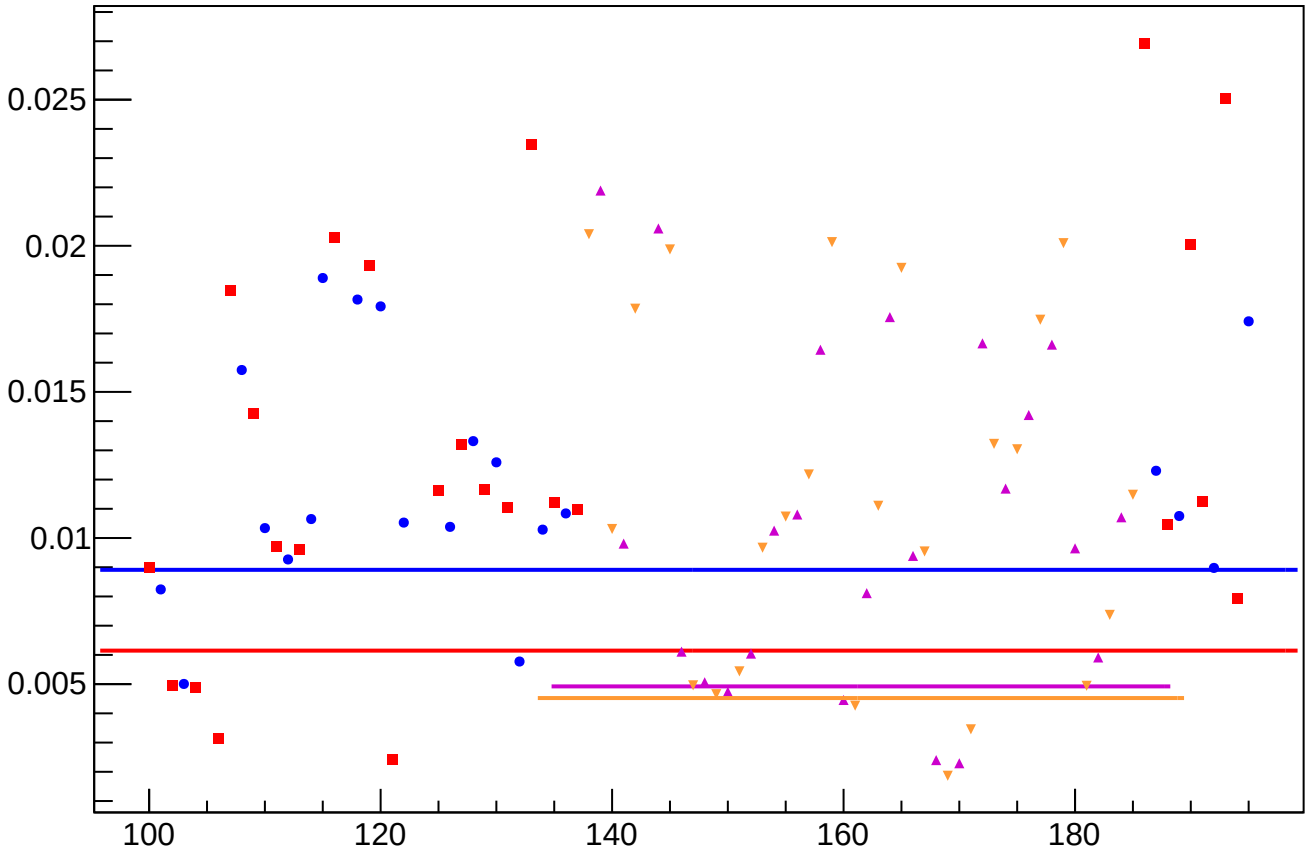
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/23

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: 120.9/90

- sign 0.000+/-0.000 χ^2/NDF: 49.6/46



Right In: 0.009+/-0.000 χ^2/NDF: 2423805.4/19

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

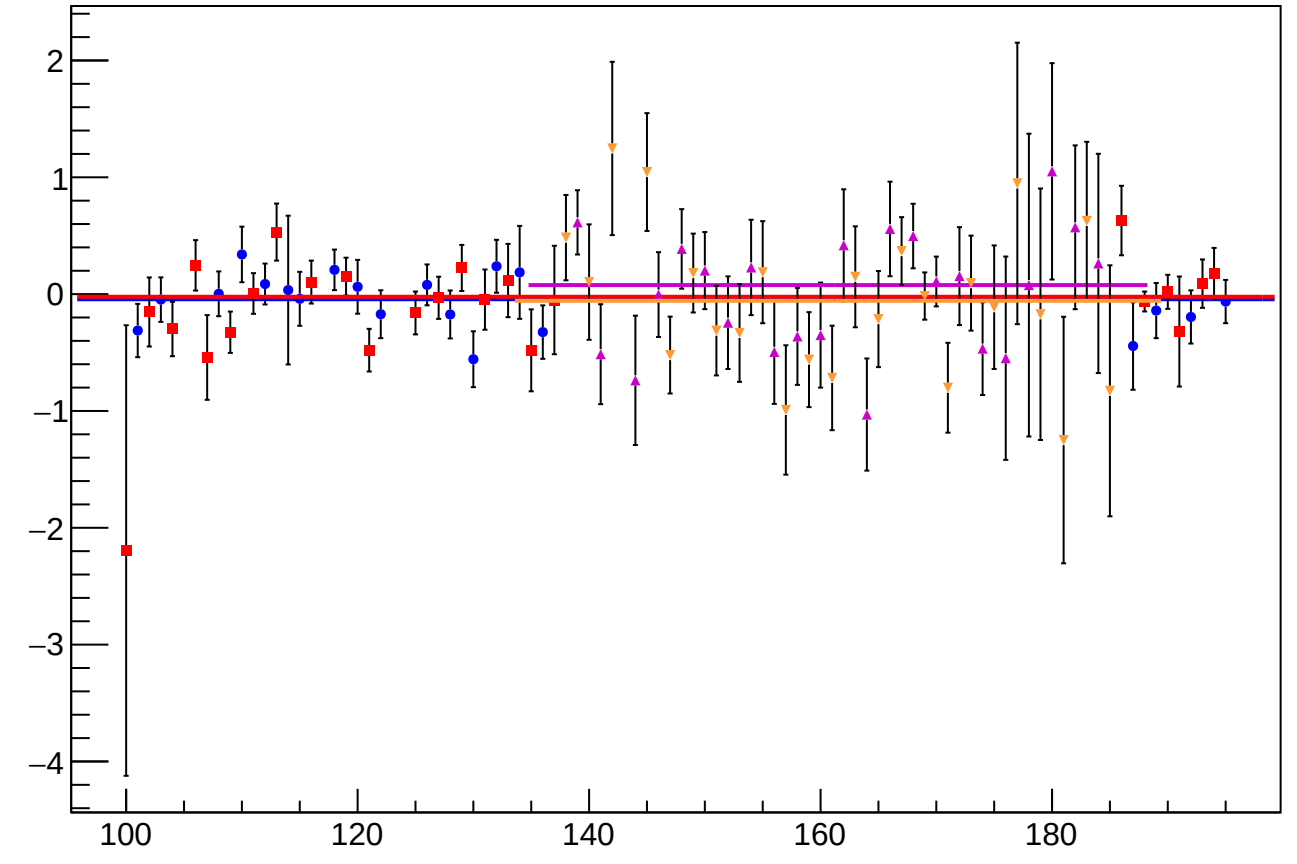
Right Out: 0.006+/-0.000 χ^2/NDF: 7259415.8/23

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: 39213751.4/90

- sign 0.005+/-0.000 χ^2/NDF: 19276823.9/46



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

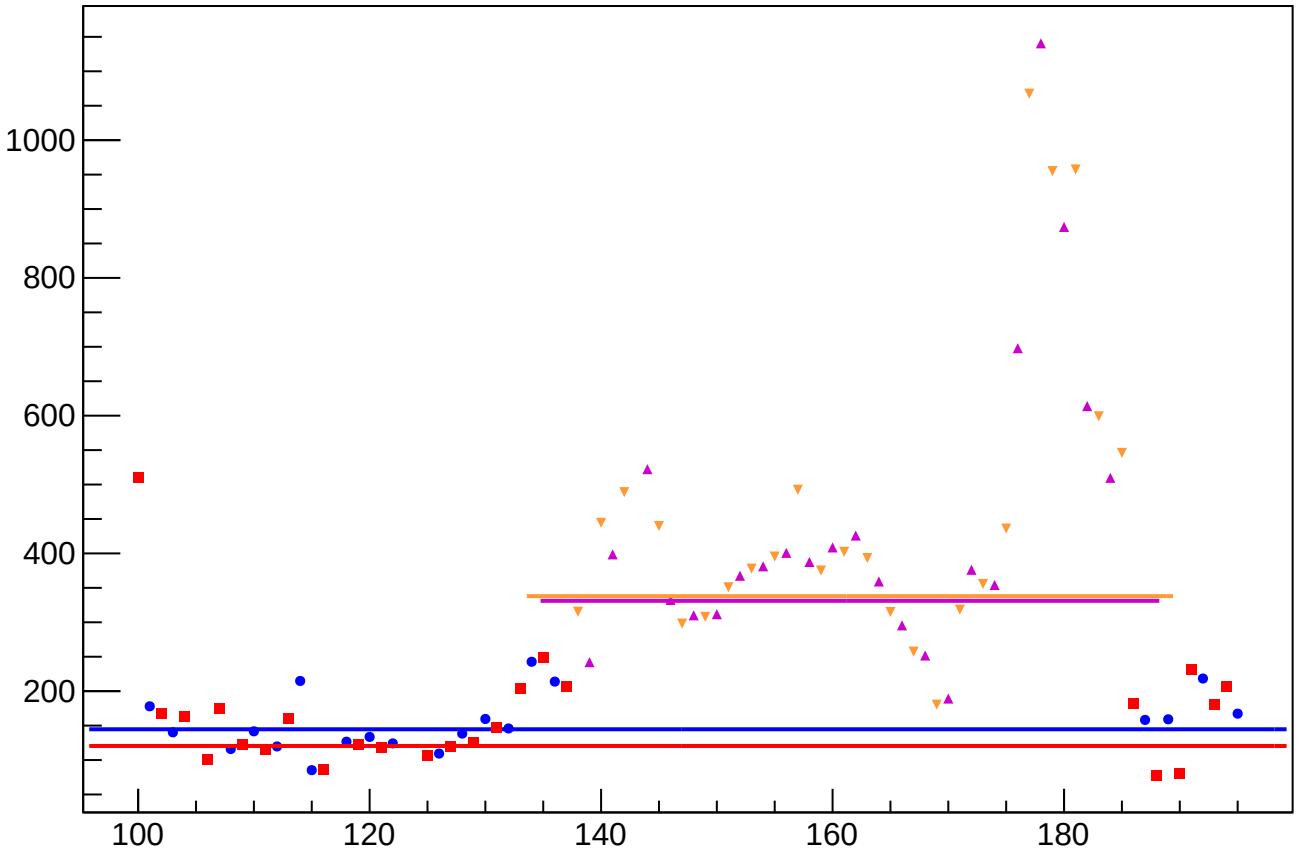
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 48.4/43

All: -0.022+/-0.028 χ^2/NDF: 110.3/90

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

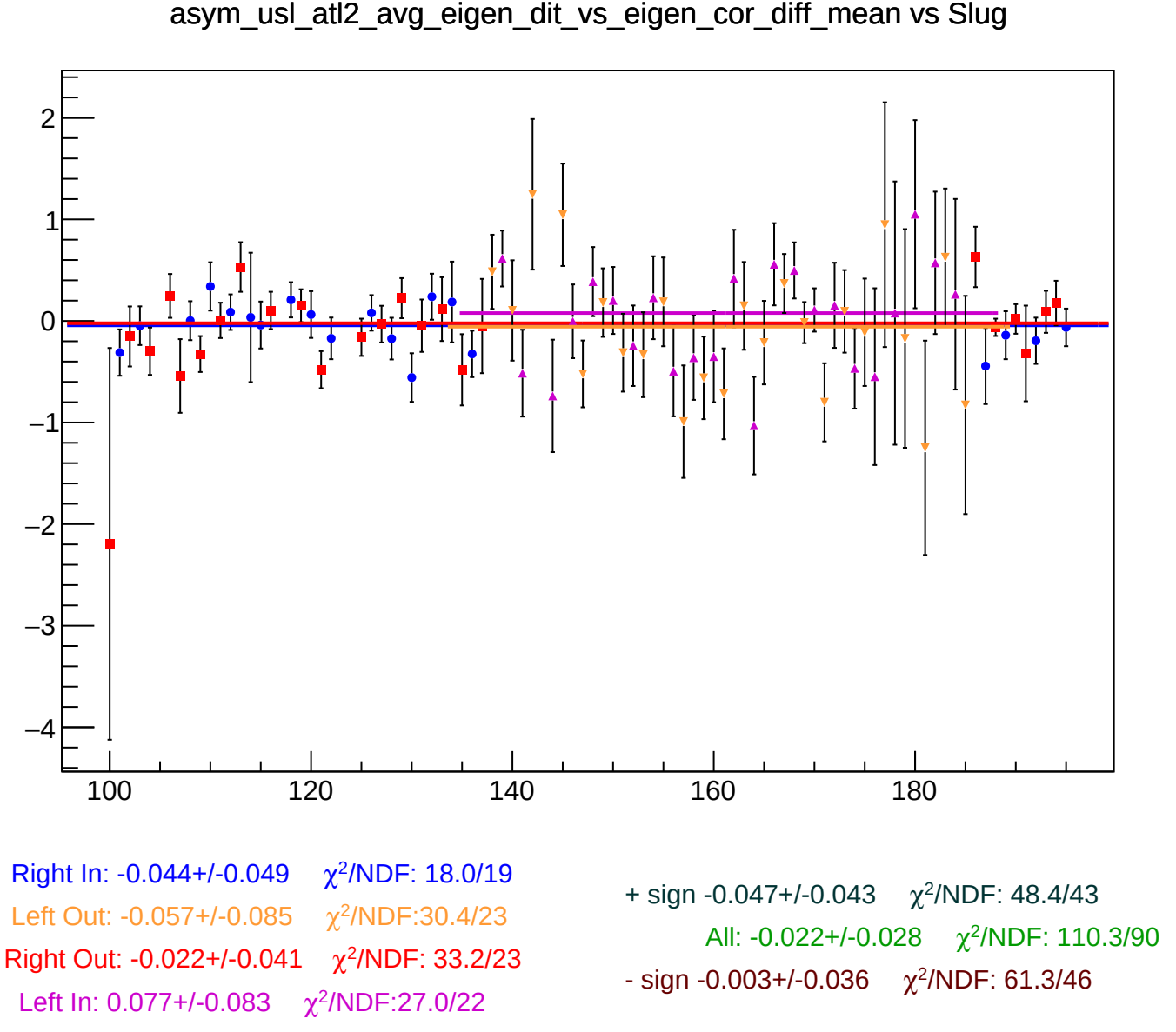
Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

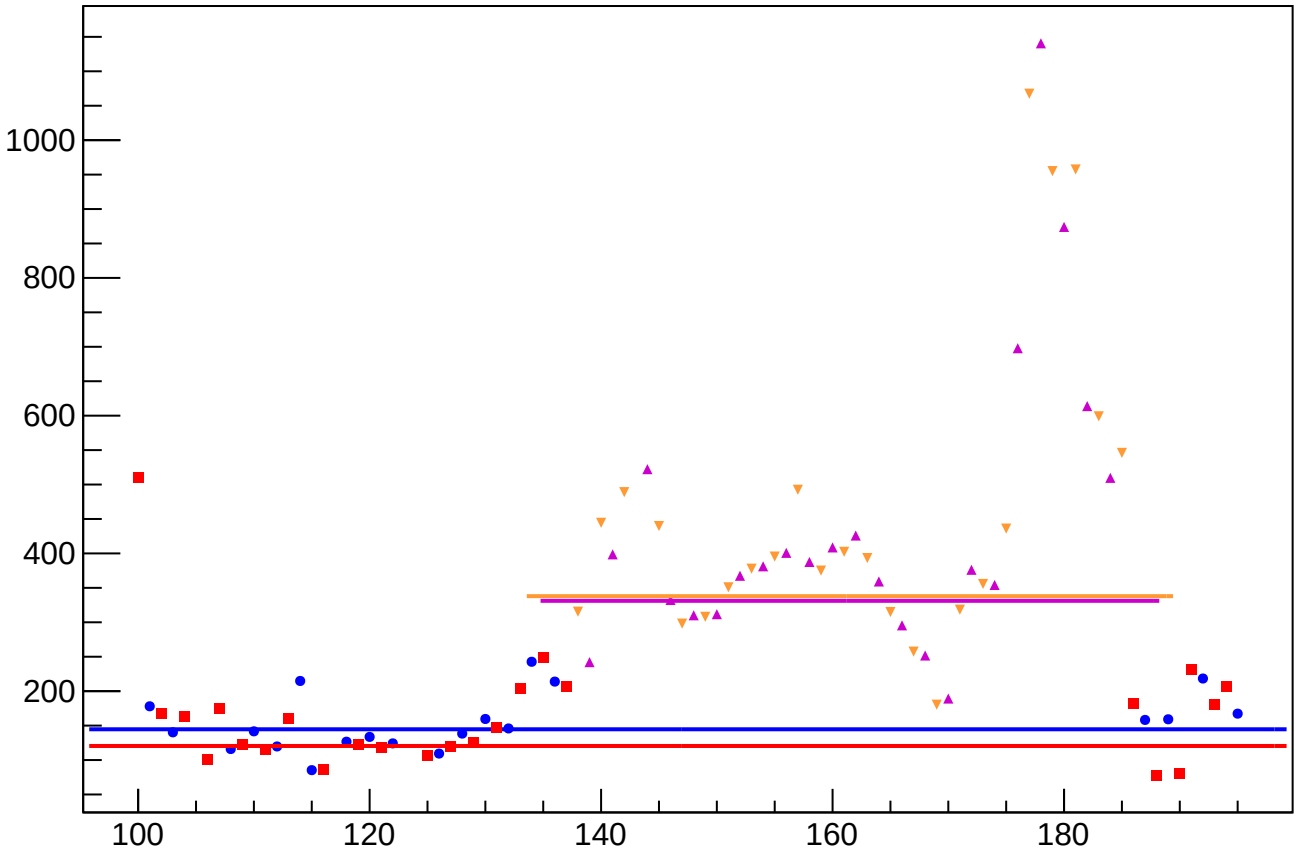
Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181439.6/43

All: 174.260+/-0.020 χ^2/NDF: 30503824.0/90

- sign 160.734+/-0.026 χ^2/NDF: 16672521.9/46


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.044+/-0.049 χ²/NDF: 18.0/19
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: -0.022+/-0.041 χ²/NDF: 33.2/23
Left In: 0.077+/-0.083 χ²/NDF:27.0/22
+ sign -0.047+/-0.043 χ²/NDF: 48.4/43
All: -0.022+/-0.028 χ²/NDF: 110.3/90
- sign -0.003+/-0.036 χ²/NDF: 61.3/46



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

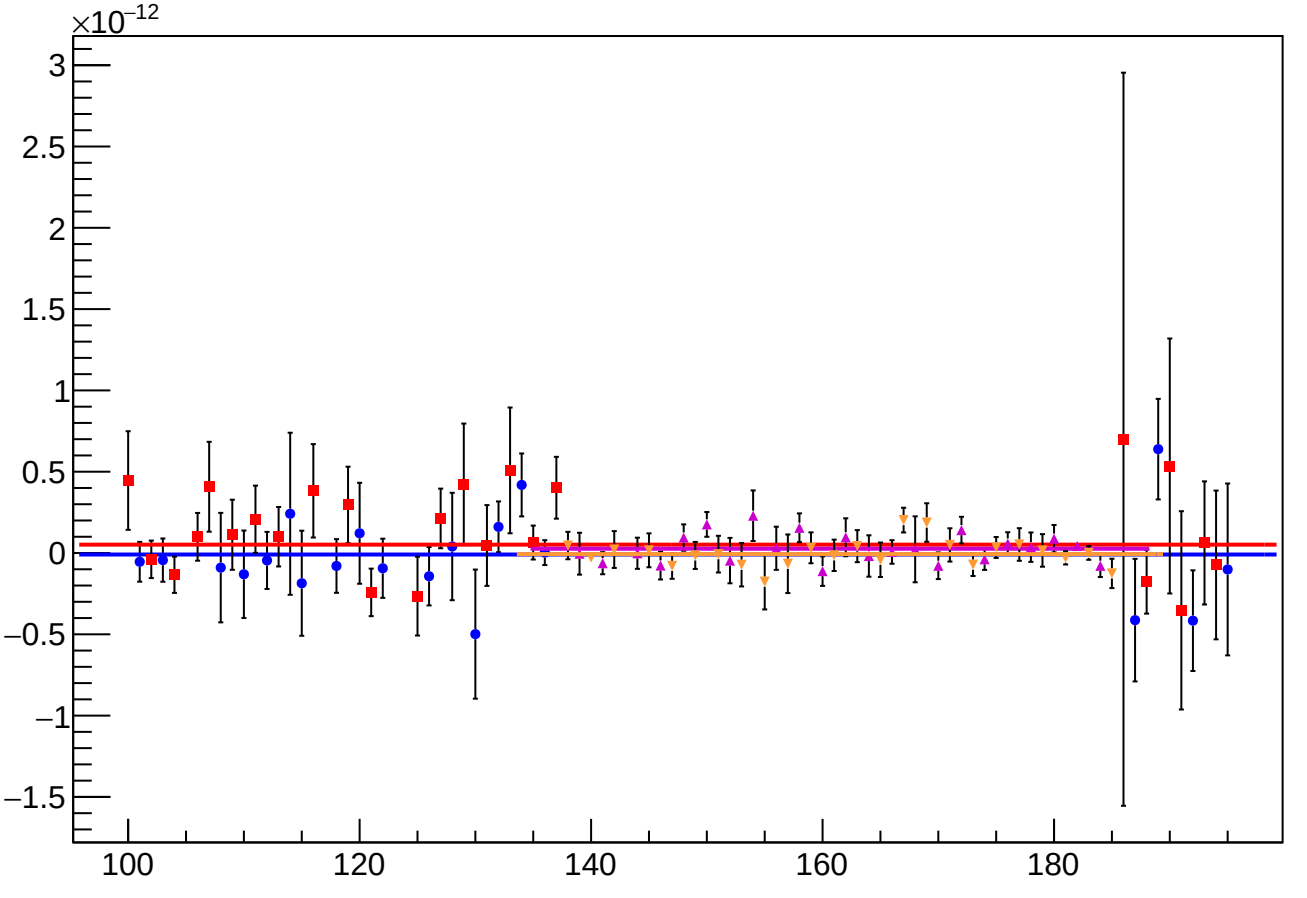
Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.709+/-0.030 χ^2/NDF: 13181439.6/43

All: 174.260+/-0.020 χ^2/NDF: 30503824.0/90

- sign 160.734+/-0.026 χ^2/NDF: 16672521.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

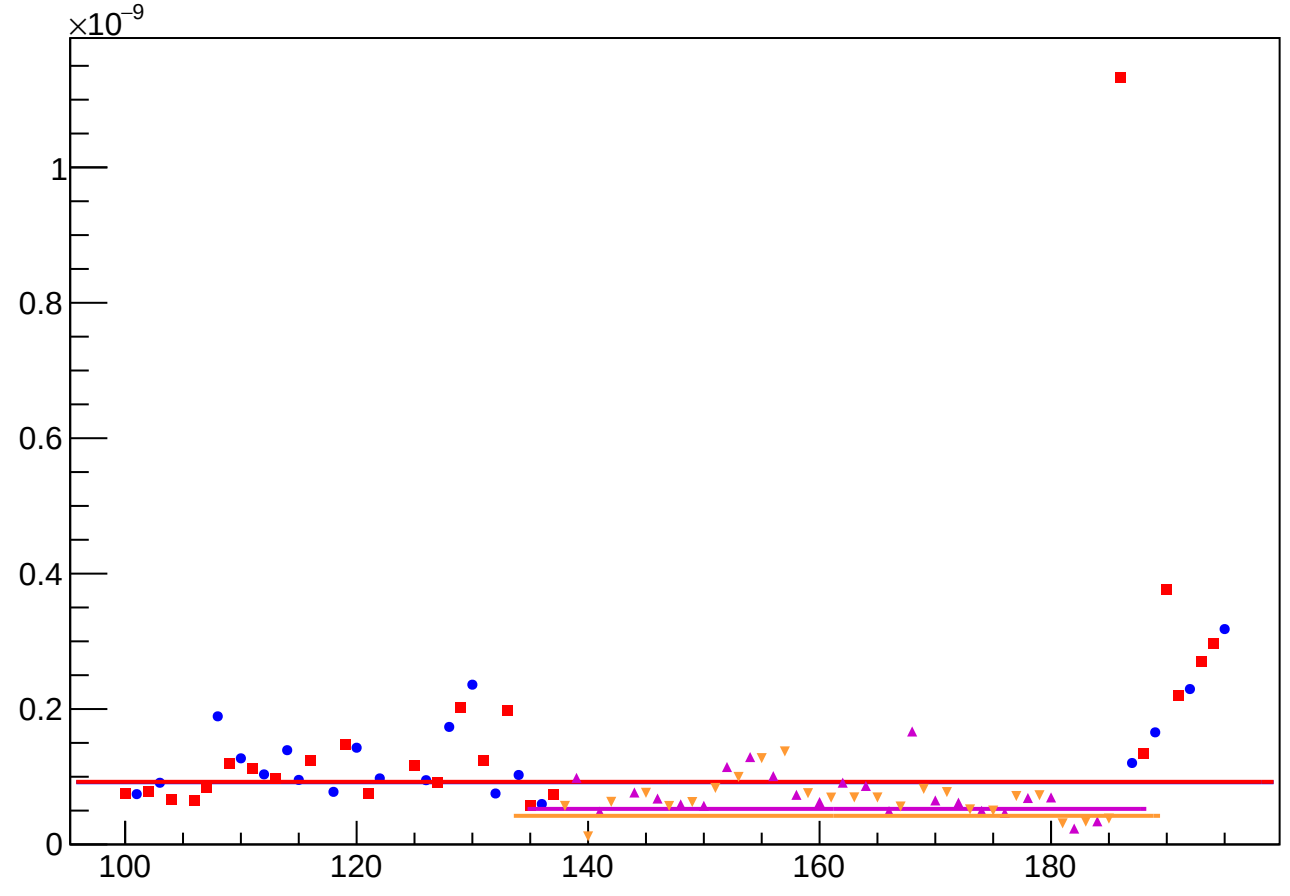
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/23

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: 86.3/90

- sign 0.000+/-0.000 χ^2/NDF: 47.7/46



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: 2751616.8/23

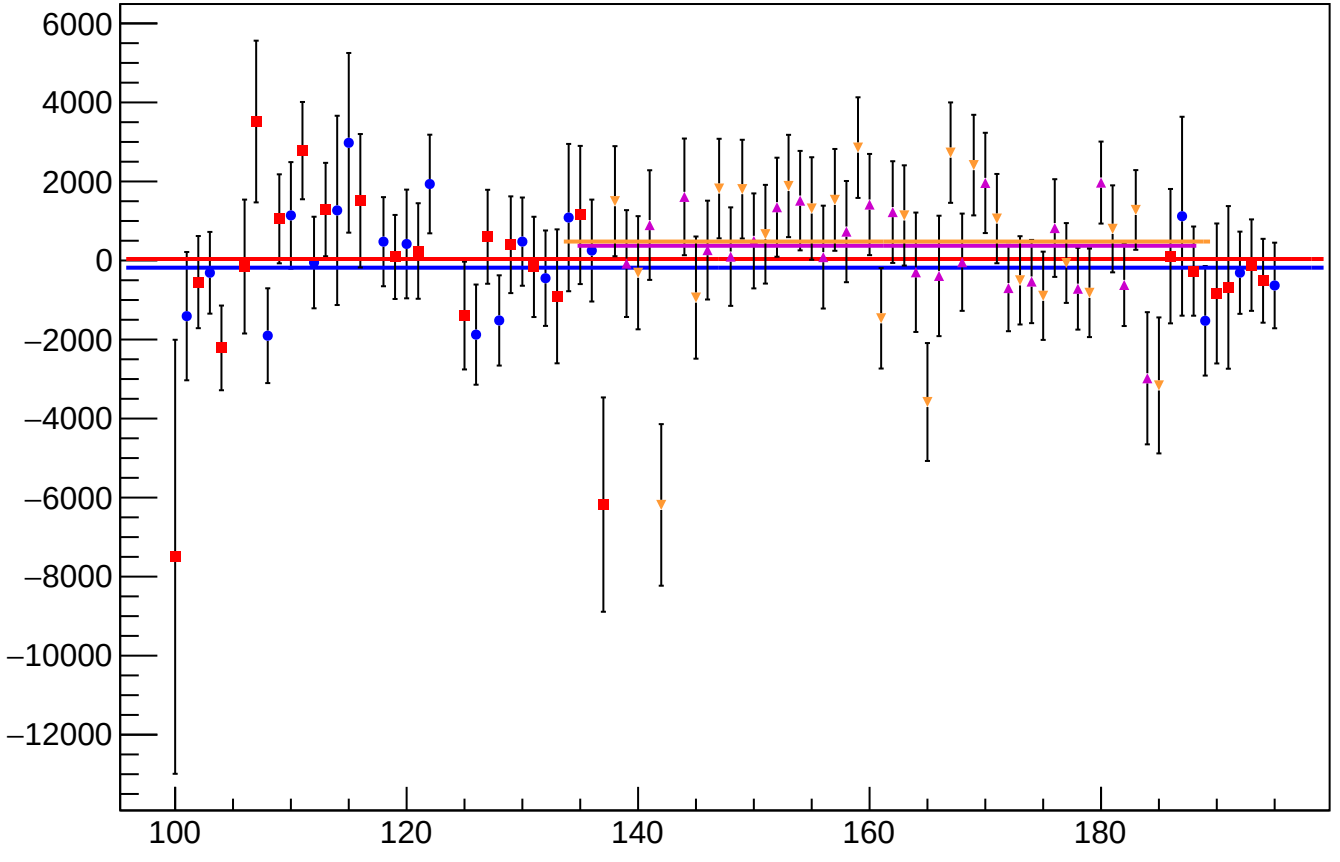
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11248650.6/43

All: 0.000+/-0.000 χ^2/NDF: 21129365.4/90

- sign 0.000+/-0.000 χ^2/NDF: 9346340.2/46

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: 37.940+/-277.608 χ^2/NDF: 25.3/23

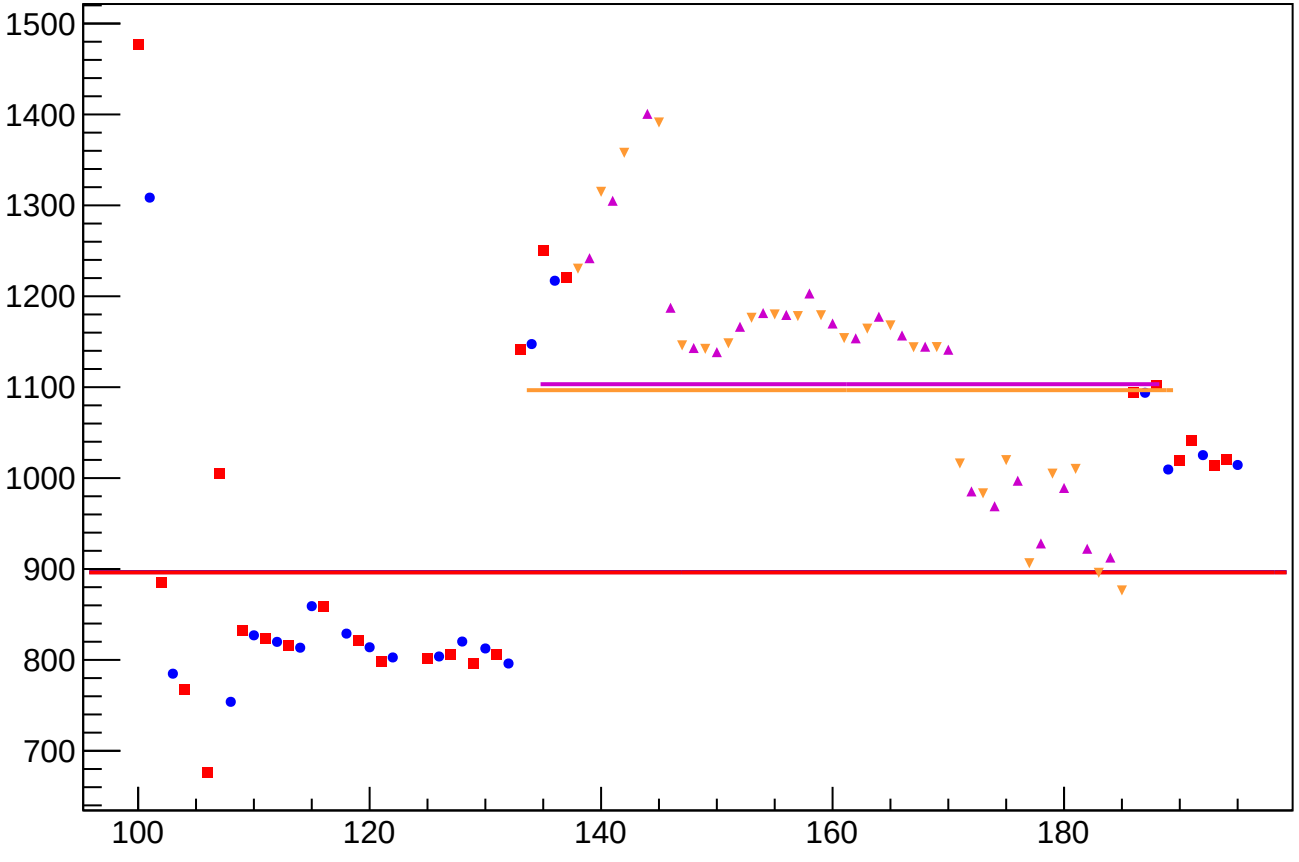
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 189.981+/-192.199 χ^2/NDF: 62.9/43

All: 203.597+/-134.941 χ^2/NDF: 105.0/90

- sign 216.834+/-189.500 χ^2/NDF: 42.1/46

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: 896.248+/-0.194 χ^2/NDF: 519704.2/23

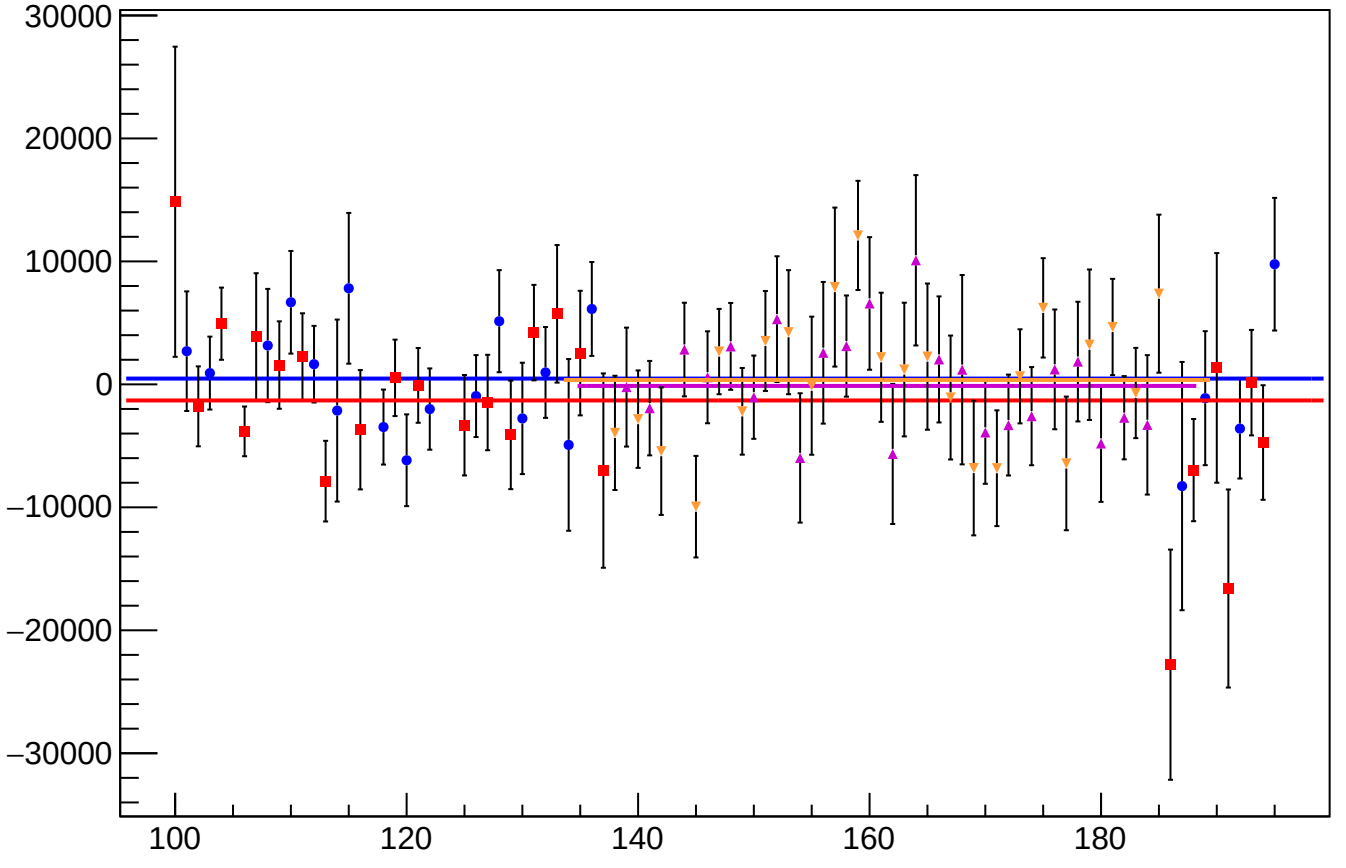
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.2/43

All: 1007.444+/-0.095 χ^2/NDF: 3089409.2/90

- sign 1005.853+/-0.133 χ^2/NDF: 1567168.4/46

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: -1307.634+/-807.605 χ^2/NDF: 32.0/23

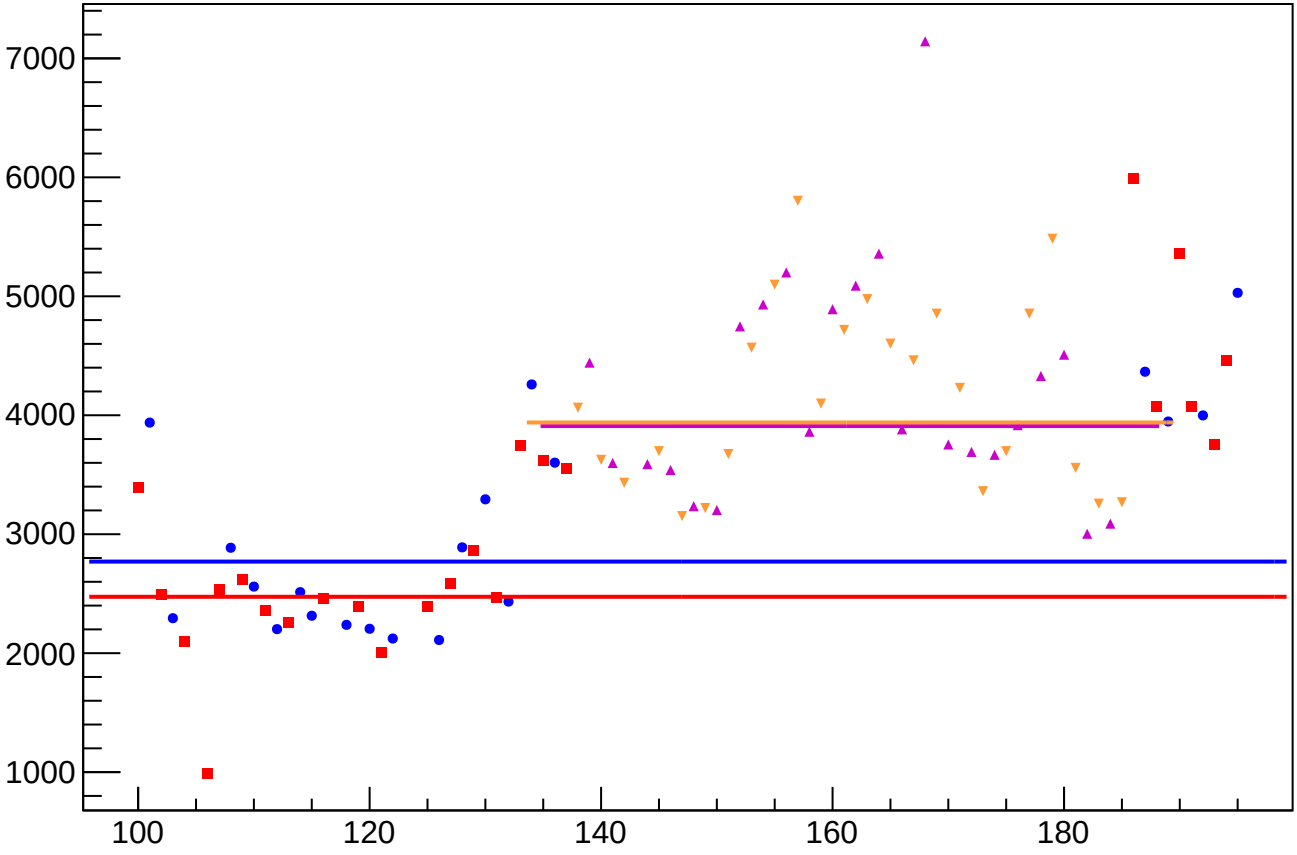
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 414.904+/-656.143 χ^2/NDF: 49.7/43

All: -237.097+/-446.963 χ^2/NDF: 98.2/90

- sign -801.582+/-610.521 χ^2/NDF: 46.7/46

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: 2474.069+/-0.571 χ^2/NDF: 2836411.8/23

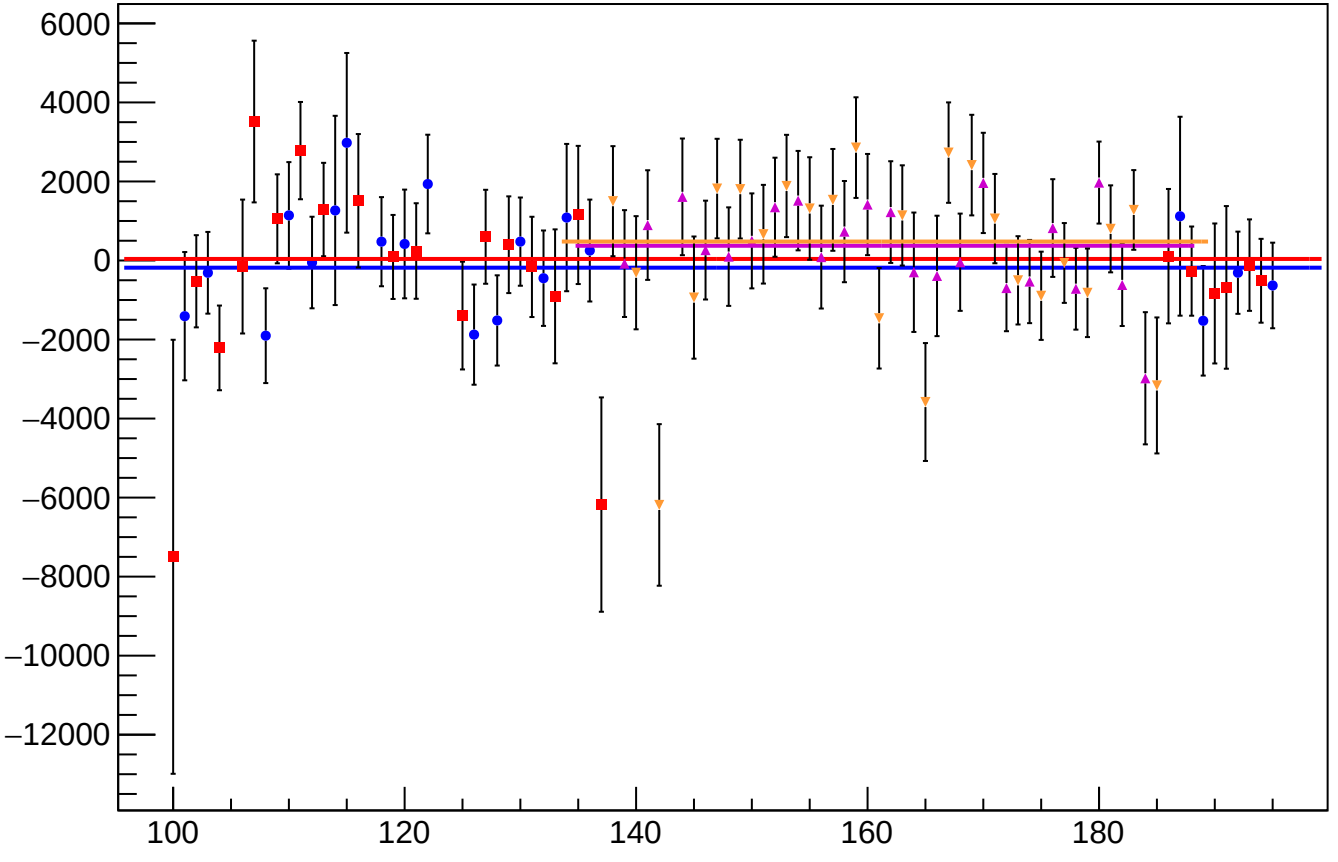
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3346.722+/-0.464 χ^2/NDF: 4103064.6/43

All: 3208.600+/-0.316 χ^2/NDF: 11111702.0/9

- sign 3089.018+/-0.432 χ^2/NDF: 6843282.5/46

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: 39.144+/-277.611 χ^2/NDF: 25.3/23

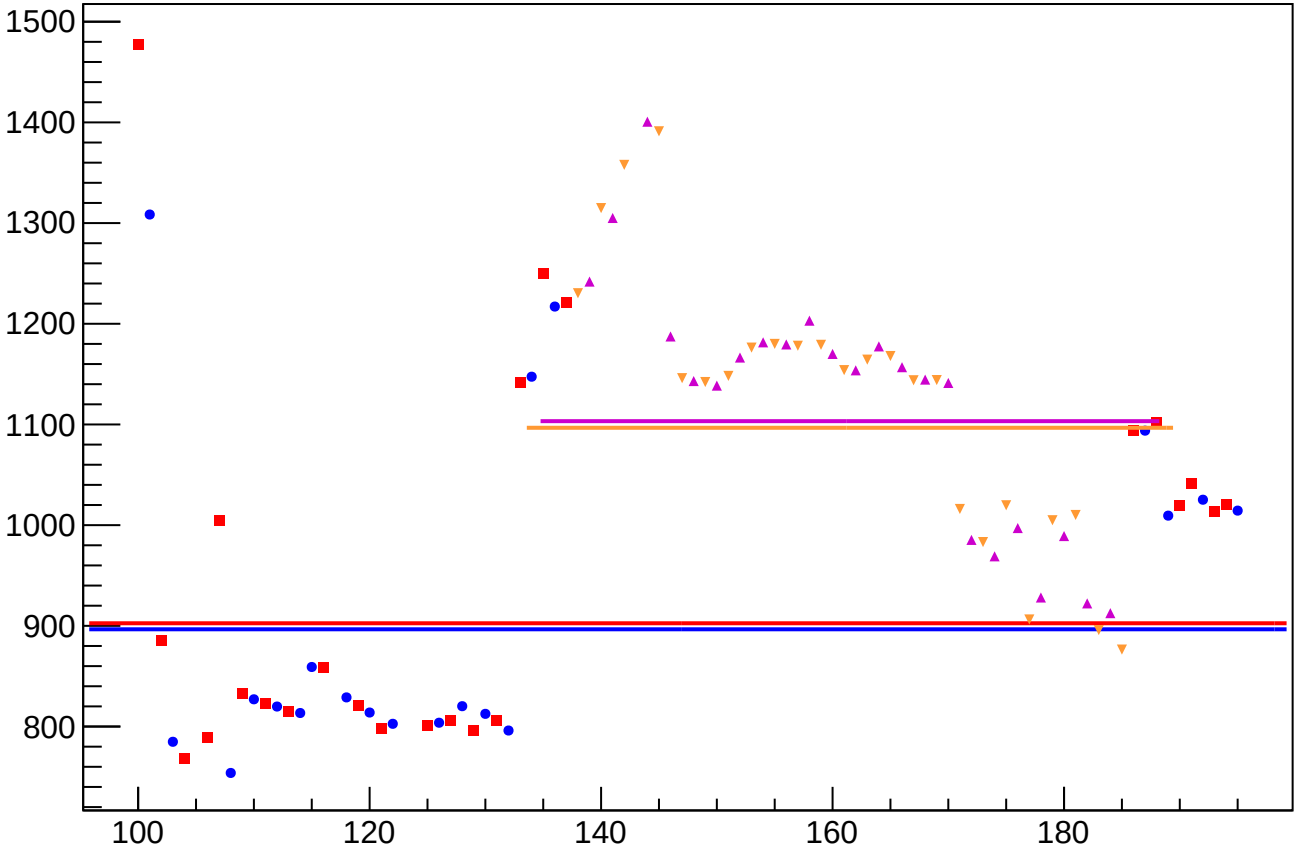
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 189.975+/-192.199 χ^2/NDF: 62.9/43

All: 203.873+/-134.941 χ^2/NDF: 105.0/90

- sign 217.383+/-189.501 χ^2/NDF: 42.1/46

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: 902.555+/-0.196 χ^2/NDF: 471427.5/23

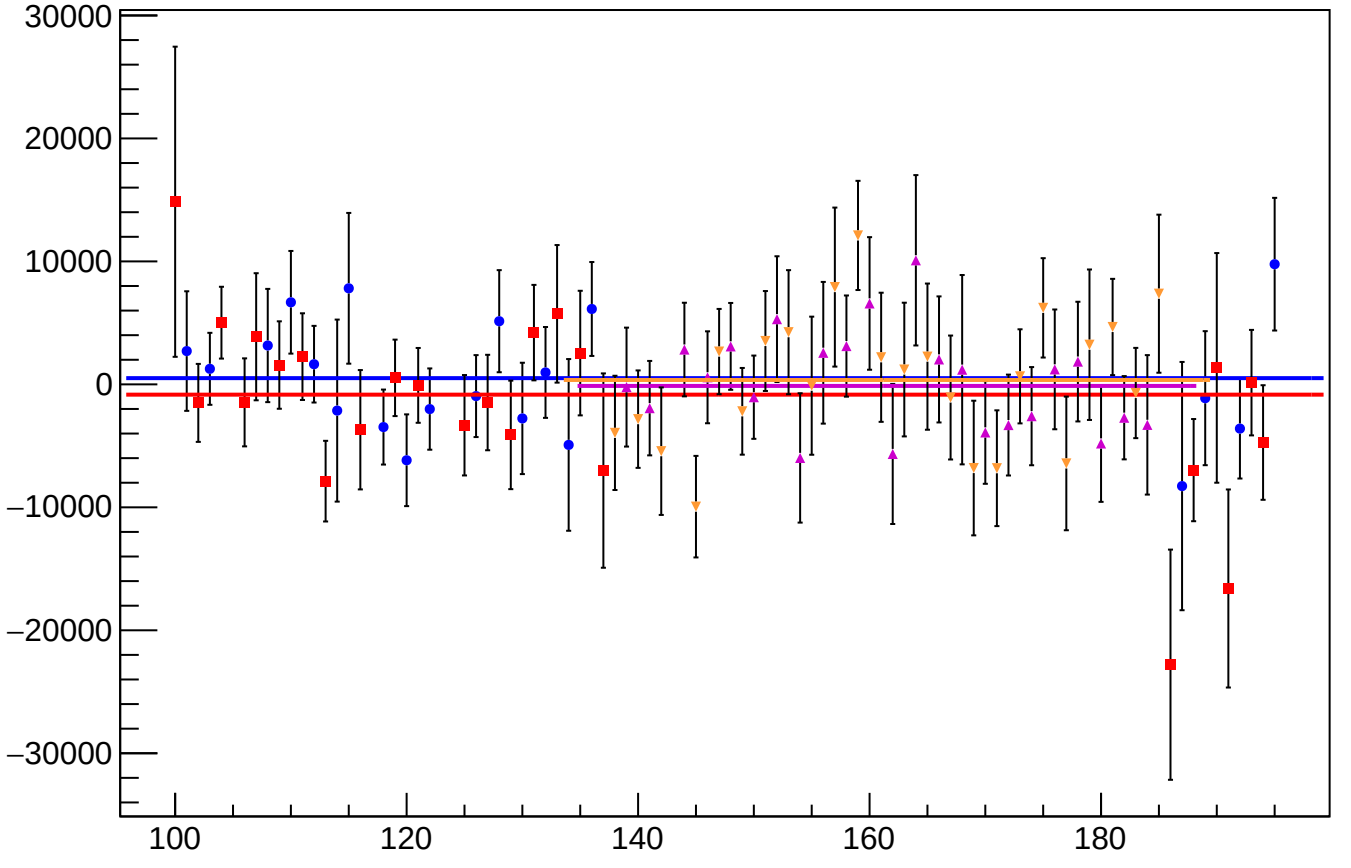
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.3/43

All: 1009.232+/-0.095 χ^2/NDF: 3001608.3/90

- sign 1009.365+/-0.134 χ^2/NDF: 1479654.9/46

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: -836.697+/-853.522 χ^2/NDF: 30.3/23

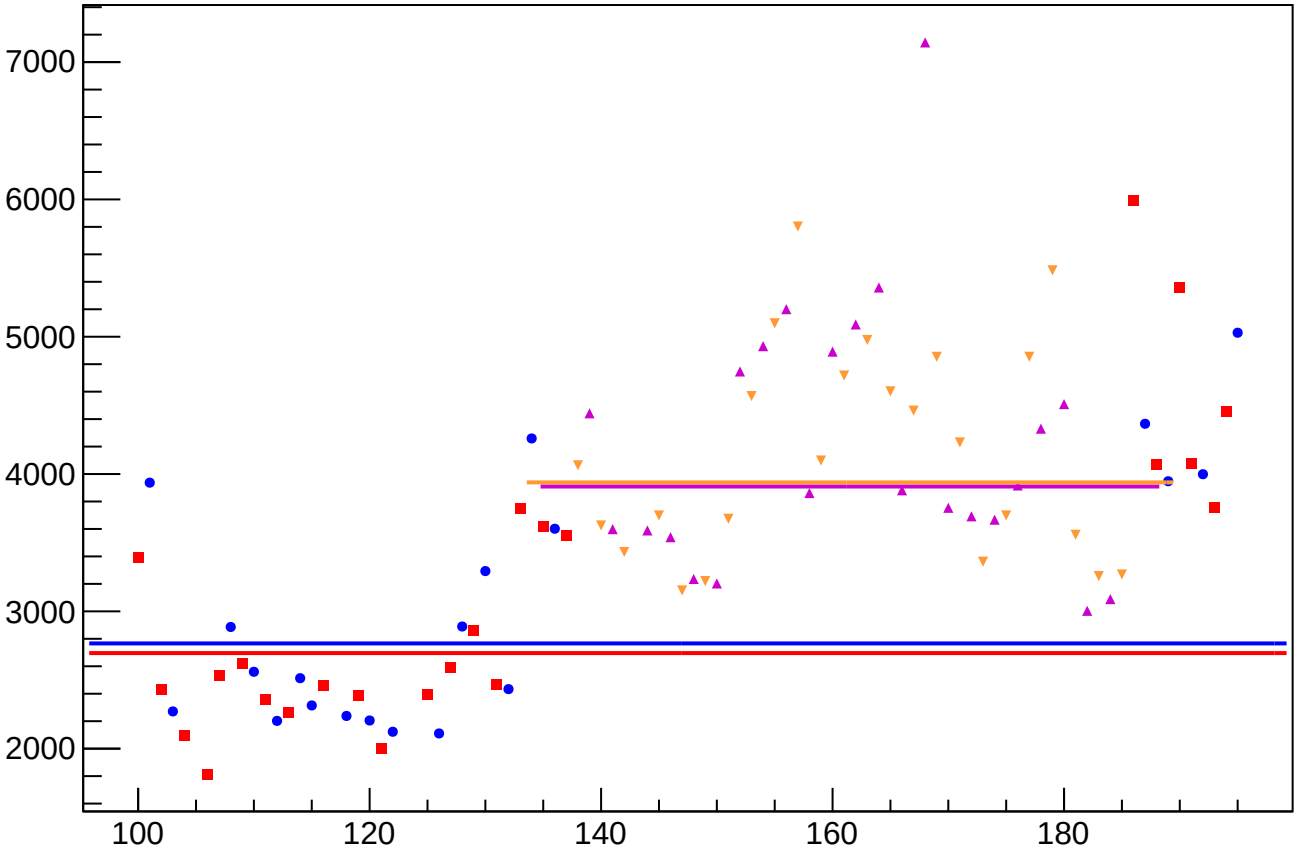
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 433.186+/-655.715 χ^2/NDF: 49.8/43

All: -59.117+/-454.164 χ^2/NDF: 95.2/90

- sign -513.058+/-629.648 χ^2/NDF: 44.4/46

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: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

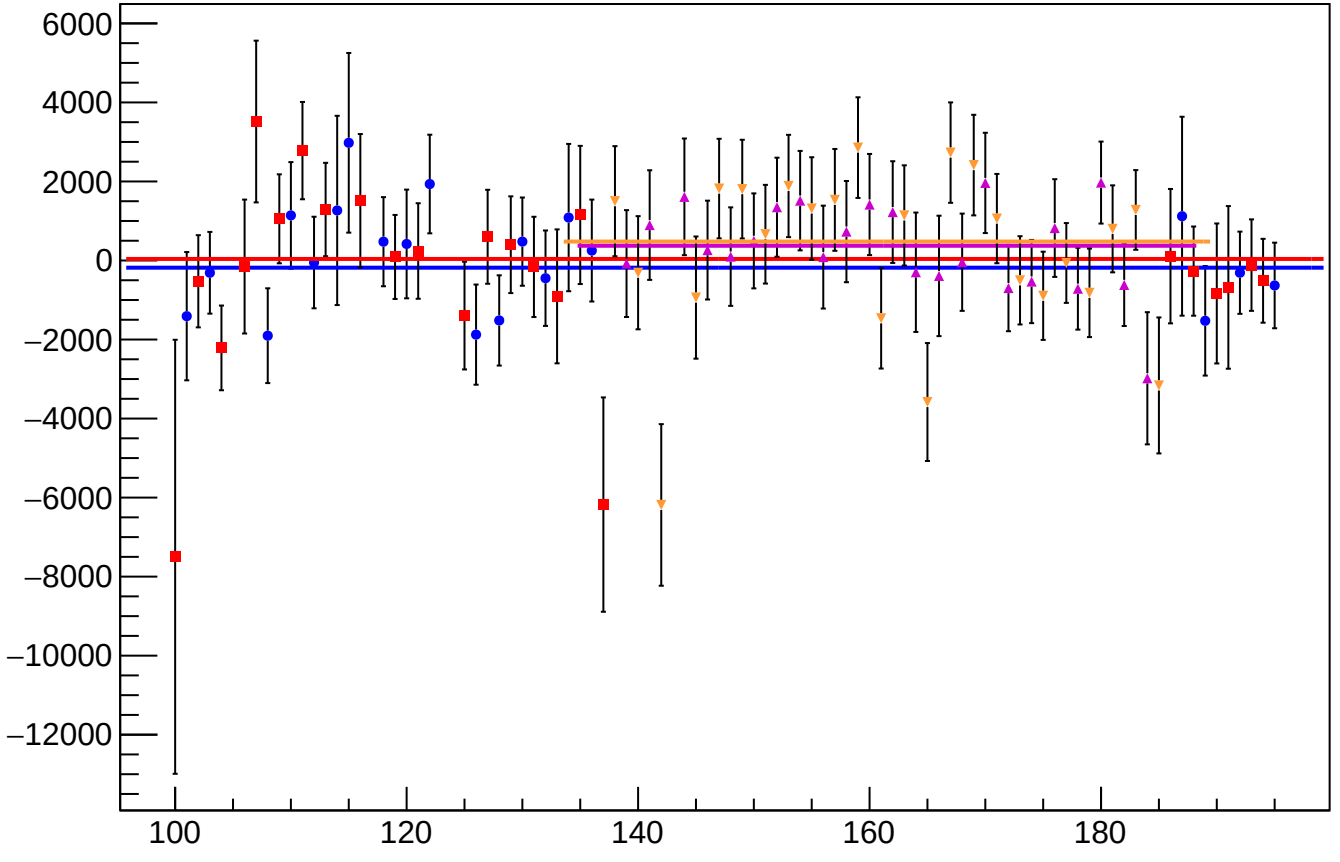
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3344.184+/-0.464 χ^2/NDF: 4121132.0/43

All: 3294.626+/-0.321 χ^2/NDF: 8975672.7/90

\- sign 3248.929+/-0.445 χ^2/NDF: 4832581.8/46

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: 39.144+/-277.611 χ^2/NDF: 25.3/23

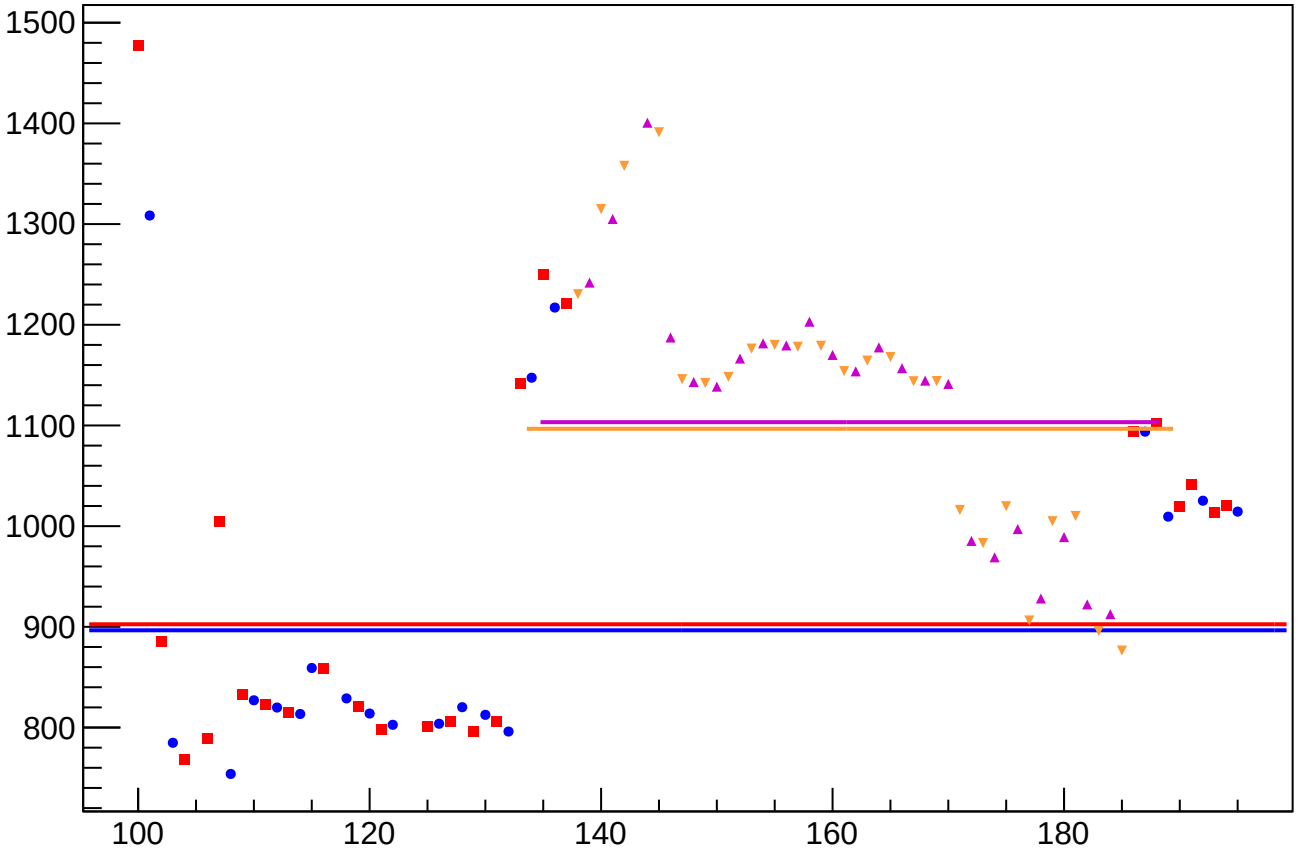
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 189.975+/-192.199 χ^2/NDF: 62.9/43

All: 203.873+/-134.941 χ^2/NDF: 105.0/90

- sign 217.383+/-189.501 χ^2/NDF: 42.1/46

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: 902.555+/-0.196 χ^2/NDF: 471427.5/23

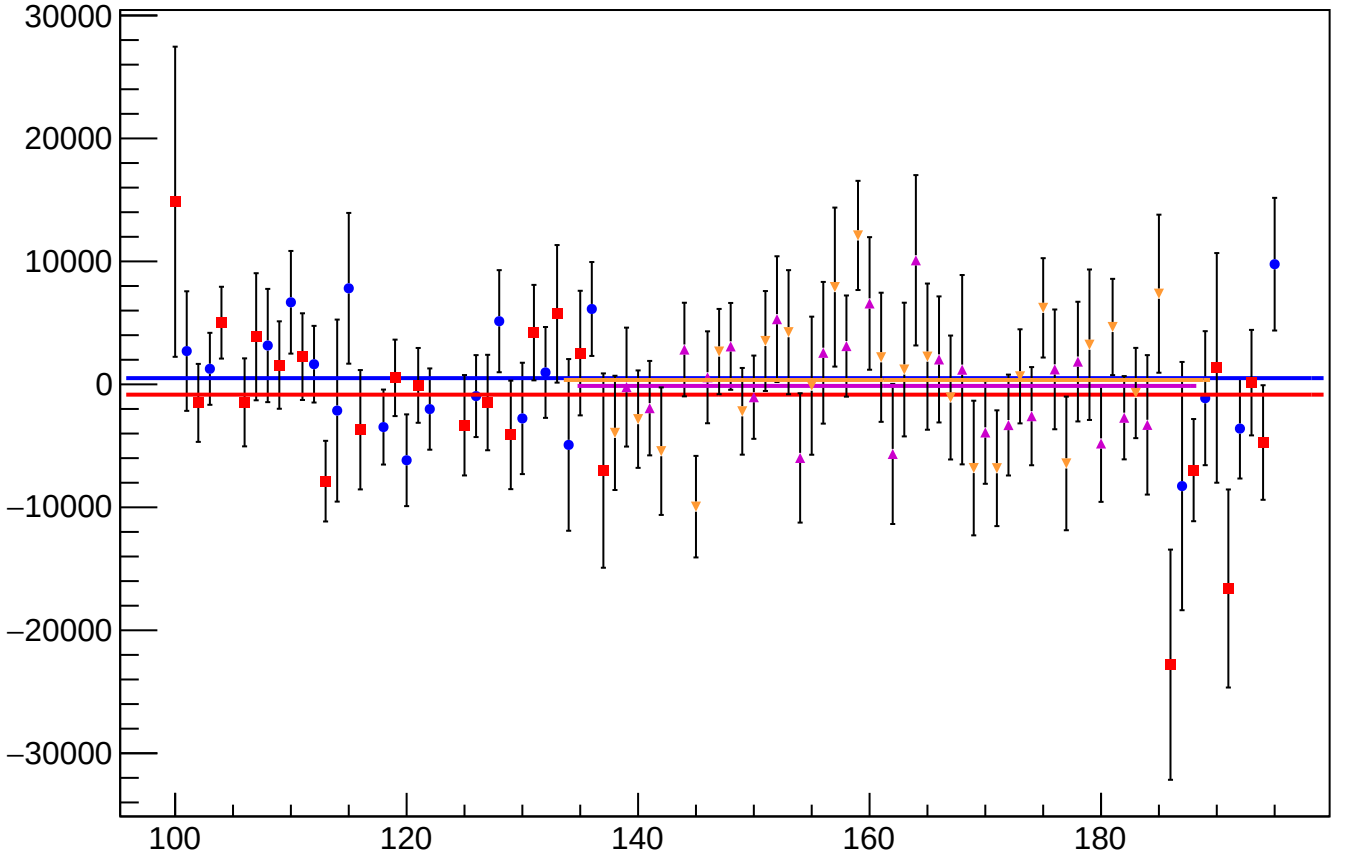
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.094+/-0.136 χ^2/NDF: 1521951.3/43

All: 1009.232+/-0.095 χ^2/NDF: 3001608.3/90

- sign 1009.365+/-0.134 χ^2/NDF: 1479654.9/46

asym_usl_atl2_dd_eigen_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: -836.697+/-853.522 χ^2/NDF: 30.3/23

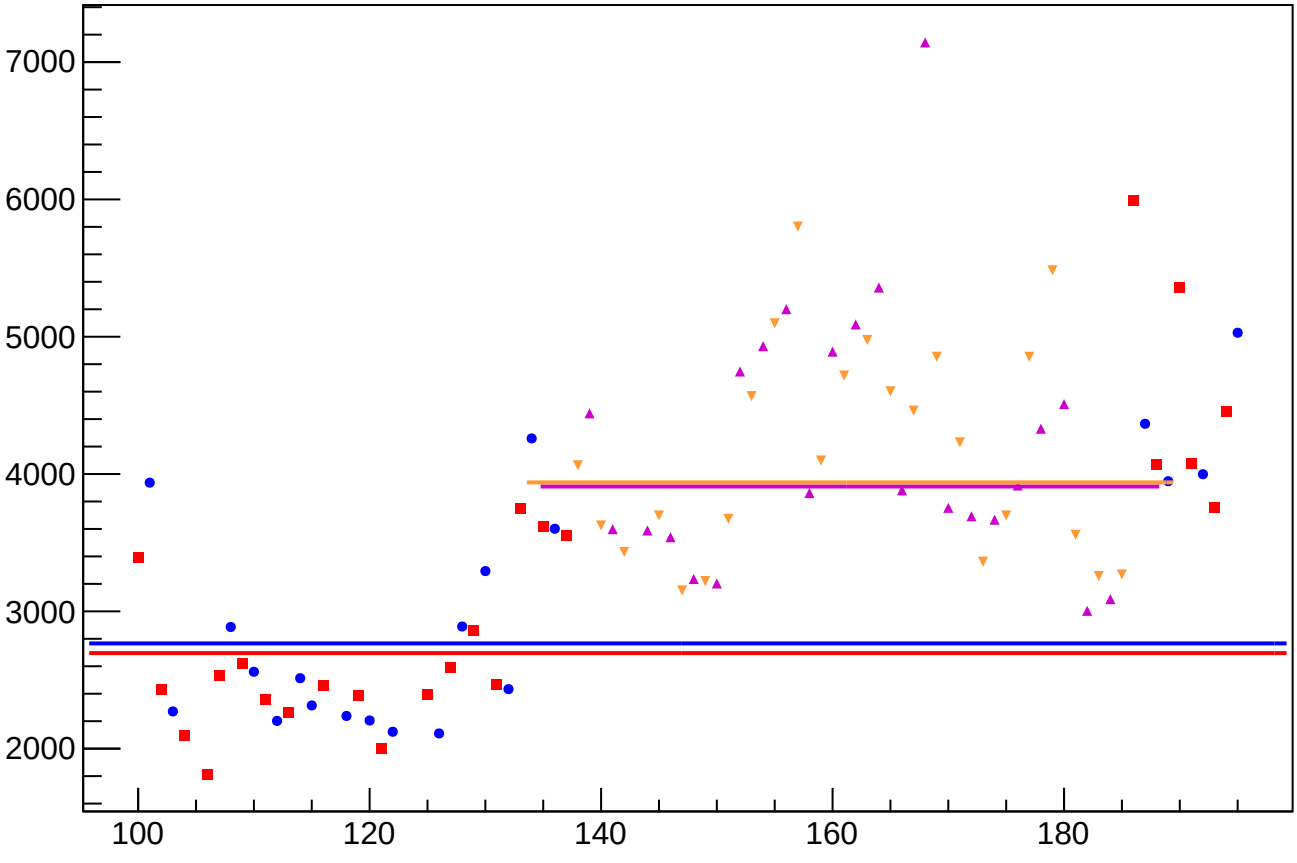
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 433.186+/-655.715 χ^2/NDF: 49.8/43

All: -59.117+/-454.164 χ^2/NDF: 95.2/90

- sign -513.058+/-629.648 χ^2/NDF: 44.4/46

asym_usl_atl2_dd_eigen_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: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

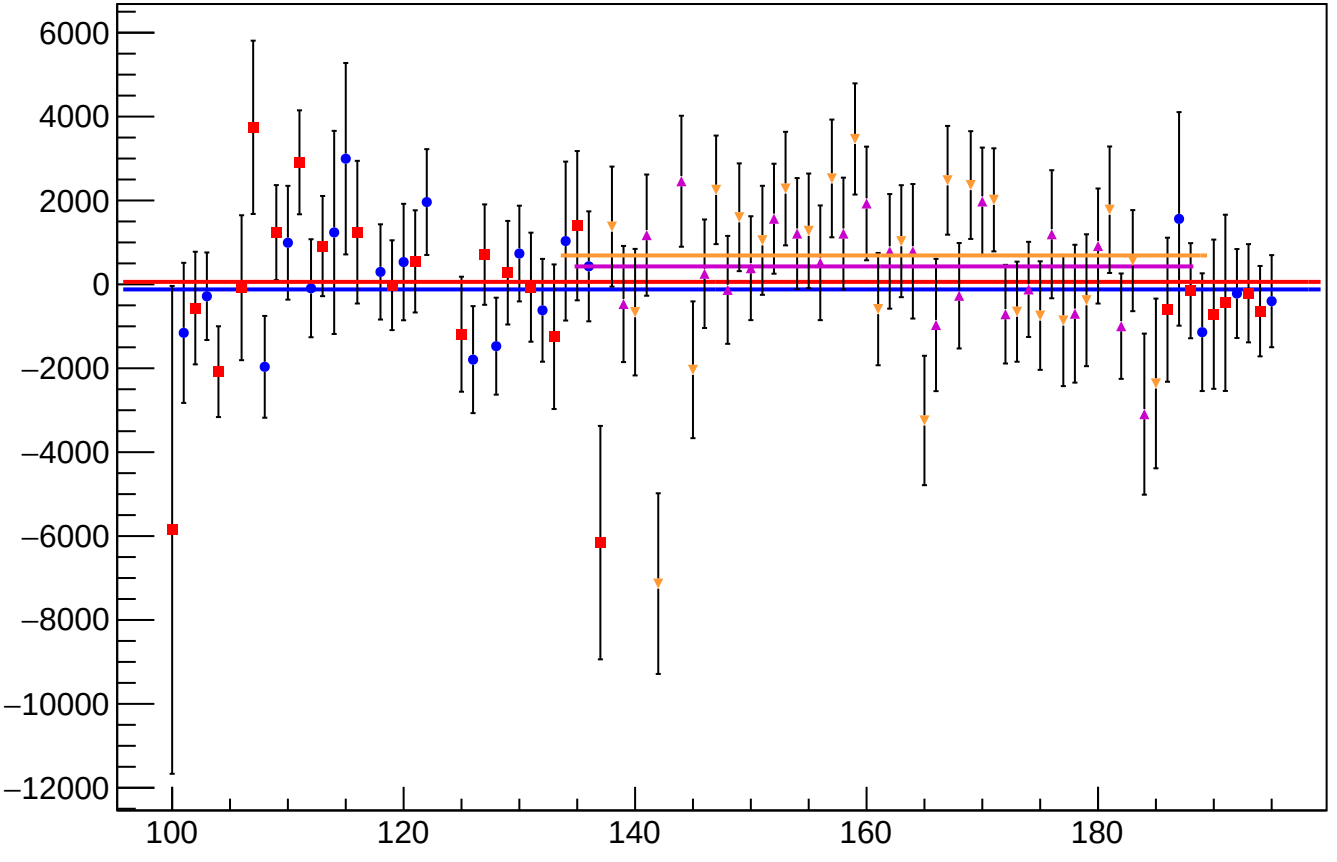
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3344.184+/-0.464 χ^2/NDF: 4121132.0/43

All: 3294.626+/-0.321 χ^2/NDF: 8975672.7/90

\- sign 3248.929+/-0.445 χ^2/NDF: 4832581.8/46

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: 59.715+/-282.360 χ^2/NDF: 24.1/23

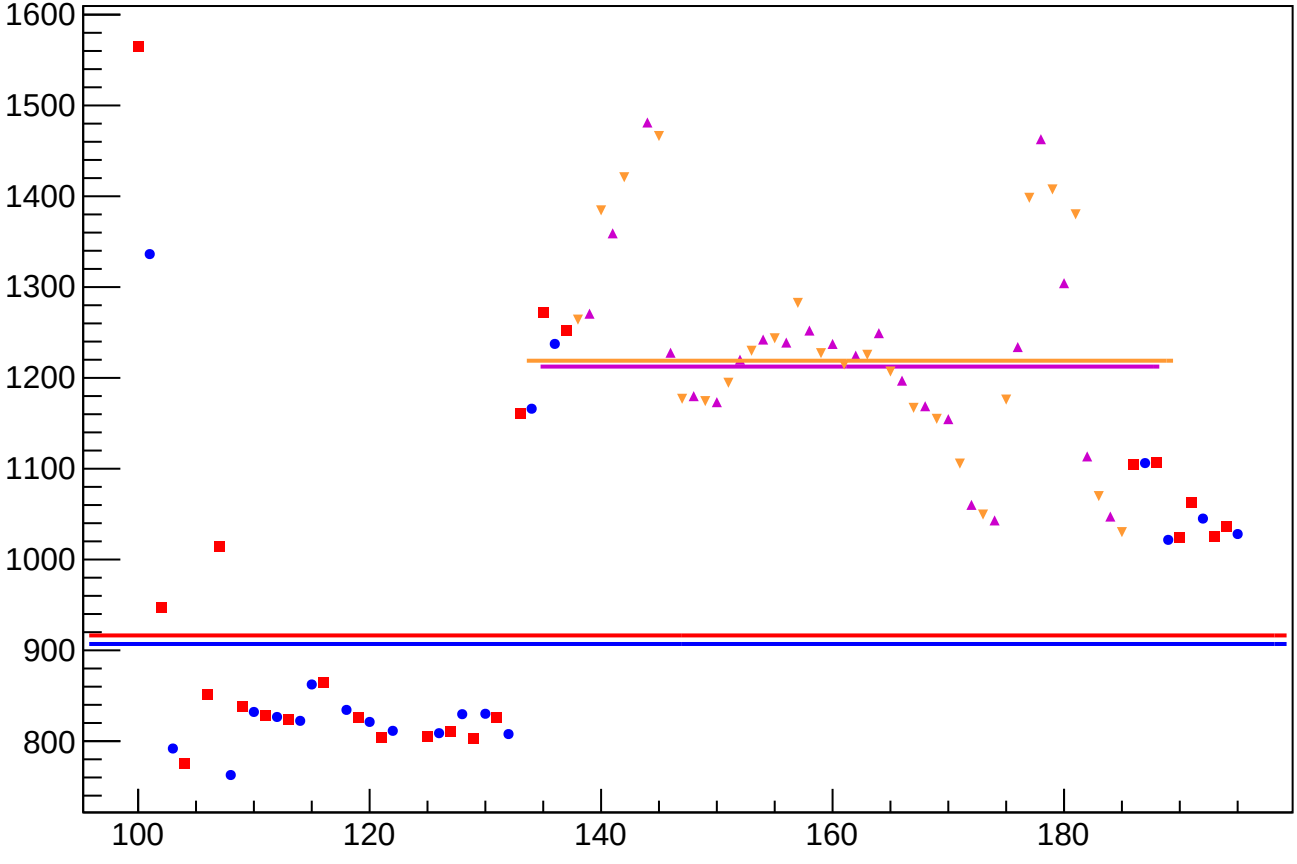
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 298.068+/-204.449 χ^2/NDF: 63.7/43

All: 269.759+/-143.104 χ^2/NDF: 103.3/90

- sign 242.569+/-200.370 χ^2/NDF: 39.5/46

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: 916.410+/-0.200 χ^2/NDF: 475937.2/23

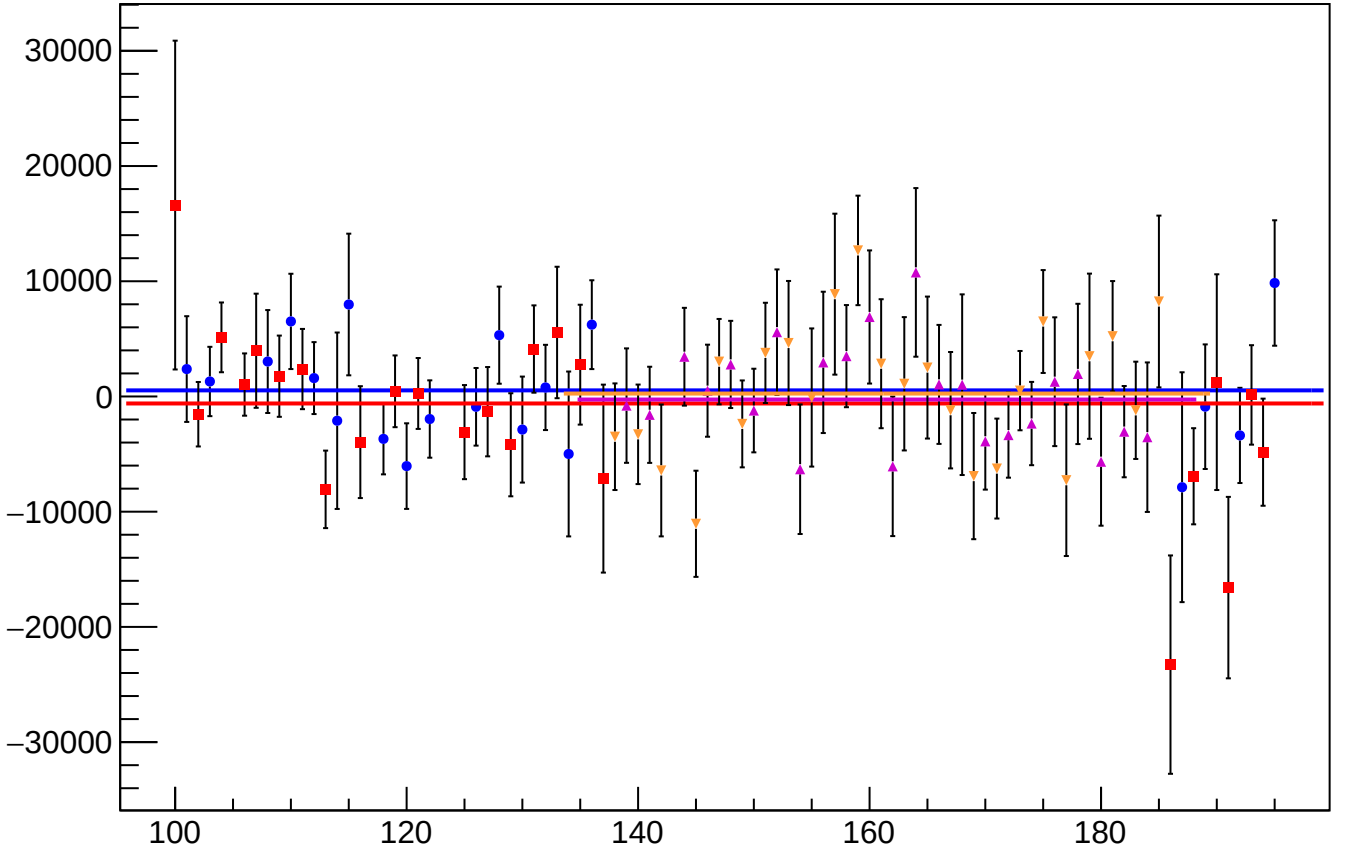
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1068.211+/-0.145 χ^2/NDF: 1978673.5/43

All: 1065.687+/-0.101 χ^2/NDF: 3807698.4/90

- sign 1063.264+/-0.142 χ^2/NDF: 1828427.2/46

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: -607.863+/-831.327 χ^2/NDF: 31.0/23

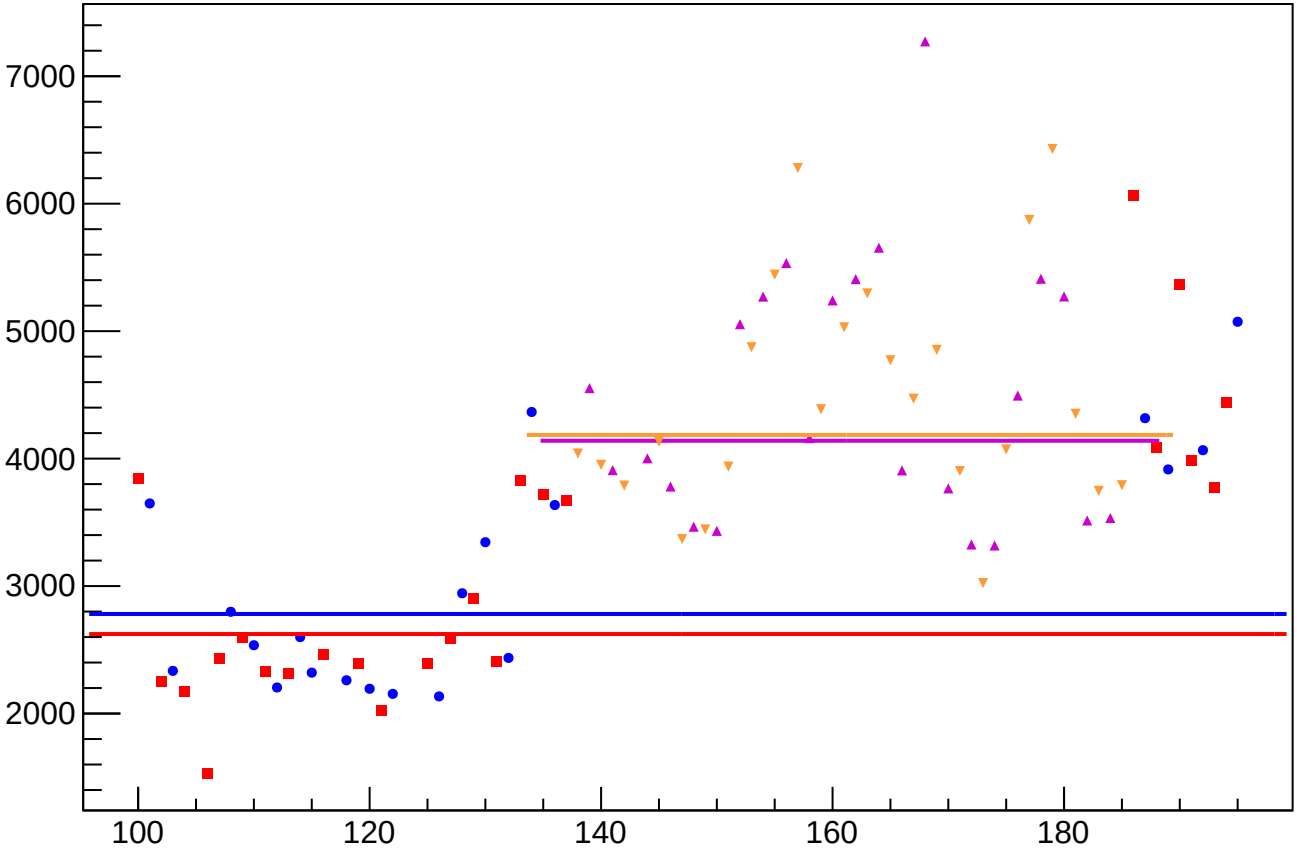
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 401.015+/-677.708 χ^2/NDF: 49.0/43

All: -59.863+/-464.020 χ^2/NDF: 94.4/90

- sign -466.601+/-636.660 χ^2/NDF: 44.5/46

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: 2623.681+/-0.588 χ^2/NDF: 1967784.5/23

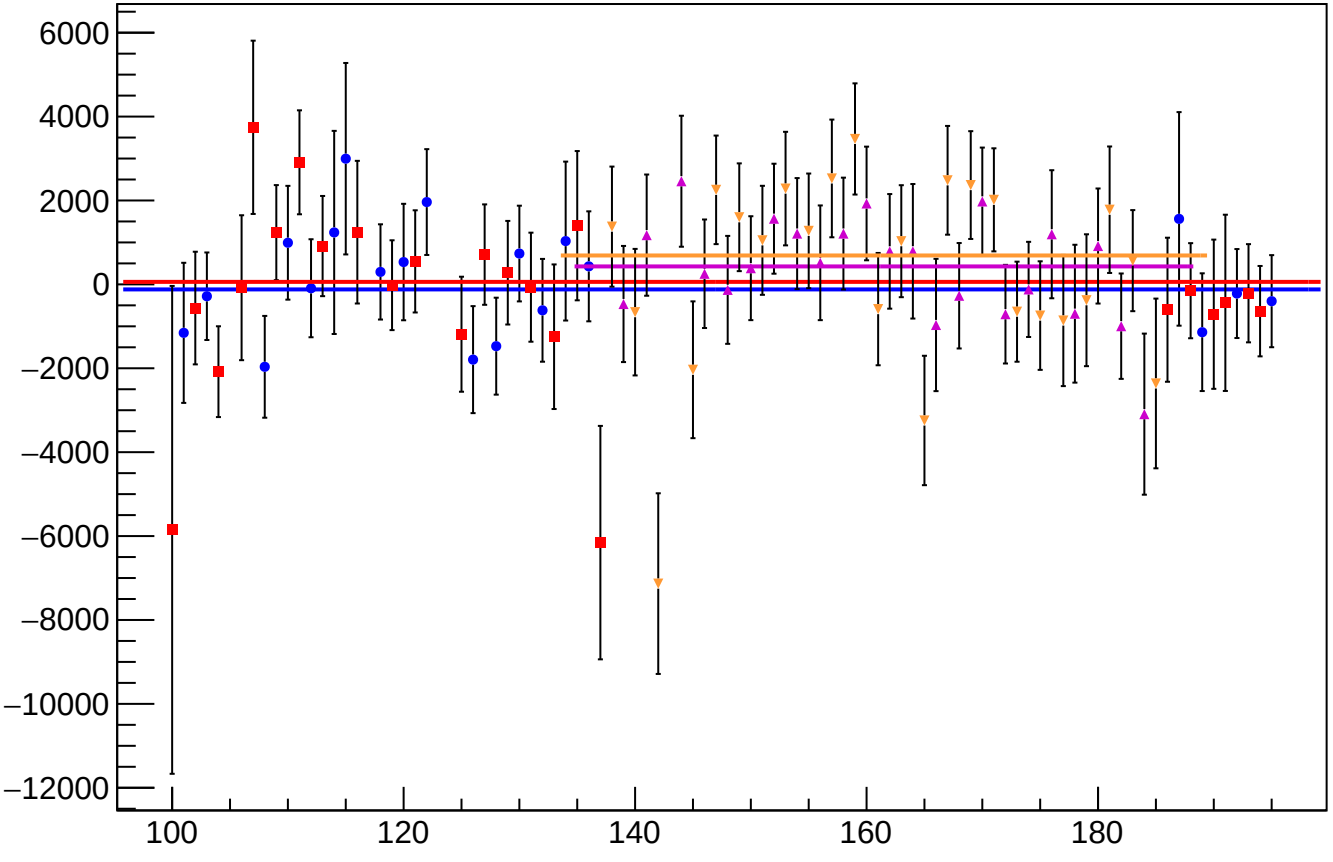
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3432.478+/-0.479 χ^2/NDF: 4791635.4/43

All: 3335.914+/-0.328 χ^2/NDF: 11037274.8/9

- sign 3250.694+/-0.450 χ^2/NDF: 6169200.8/46

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: 59.718+/-282.361 χ^2/NDF: 24.1/23

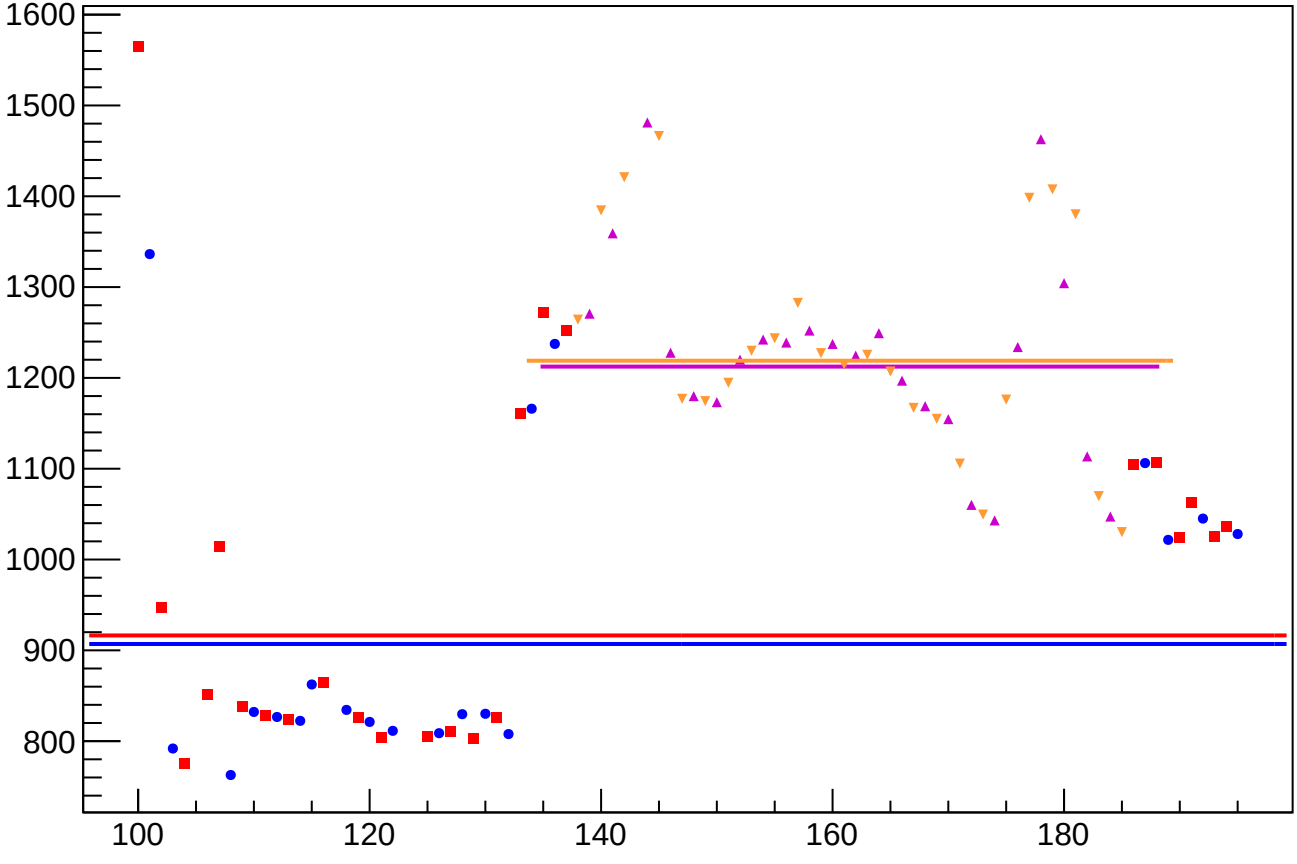
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 298.068+/-204.449 χ^2/NDF: 63.7/43

All: 269.760+/-143.104 χ^2/NDF: 103.3/90

- sign 242.569+/-200.370 χ^2/NDF: 39.5/46

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

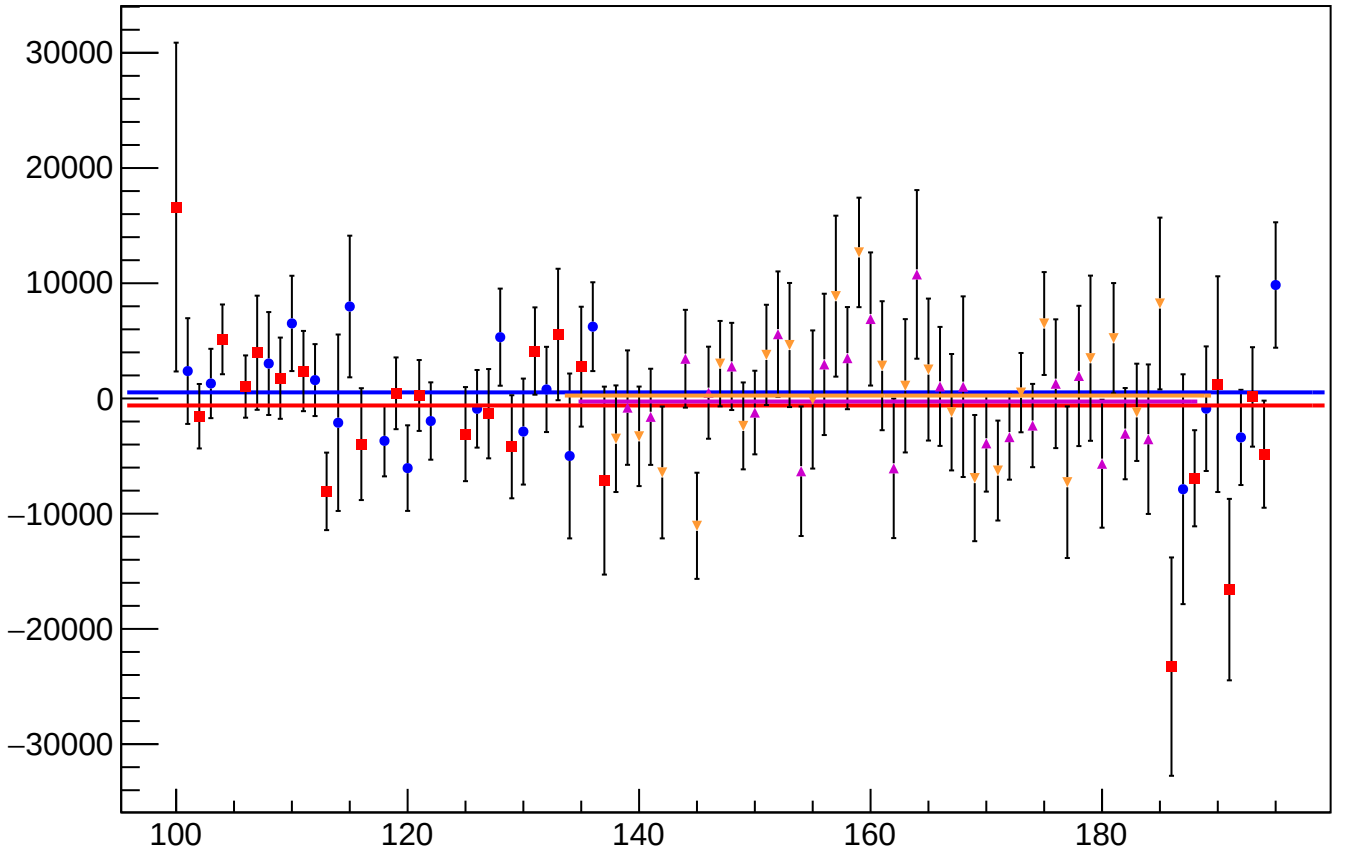
Right Out: 916.410+/-0.200 χ^2/NDF: 475936.9/23

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1068.212+/-0.145 χ^2/NDF: 1978690.2/43

All: 1065.687+/-0.101 χ^2/NDF: 3807731.6/90

- sign 1063.264+/-0.142 χ^2/NDF: 1828443.7/46



Right In: 529.198+/-925.484 χ^2/NDF: 19.3/19

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

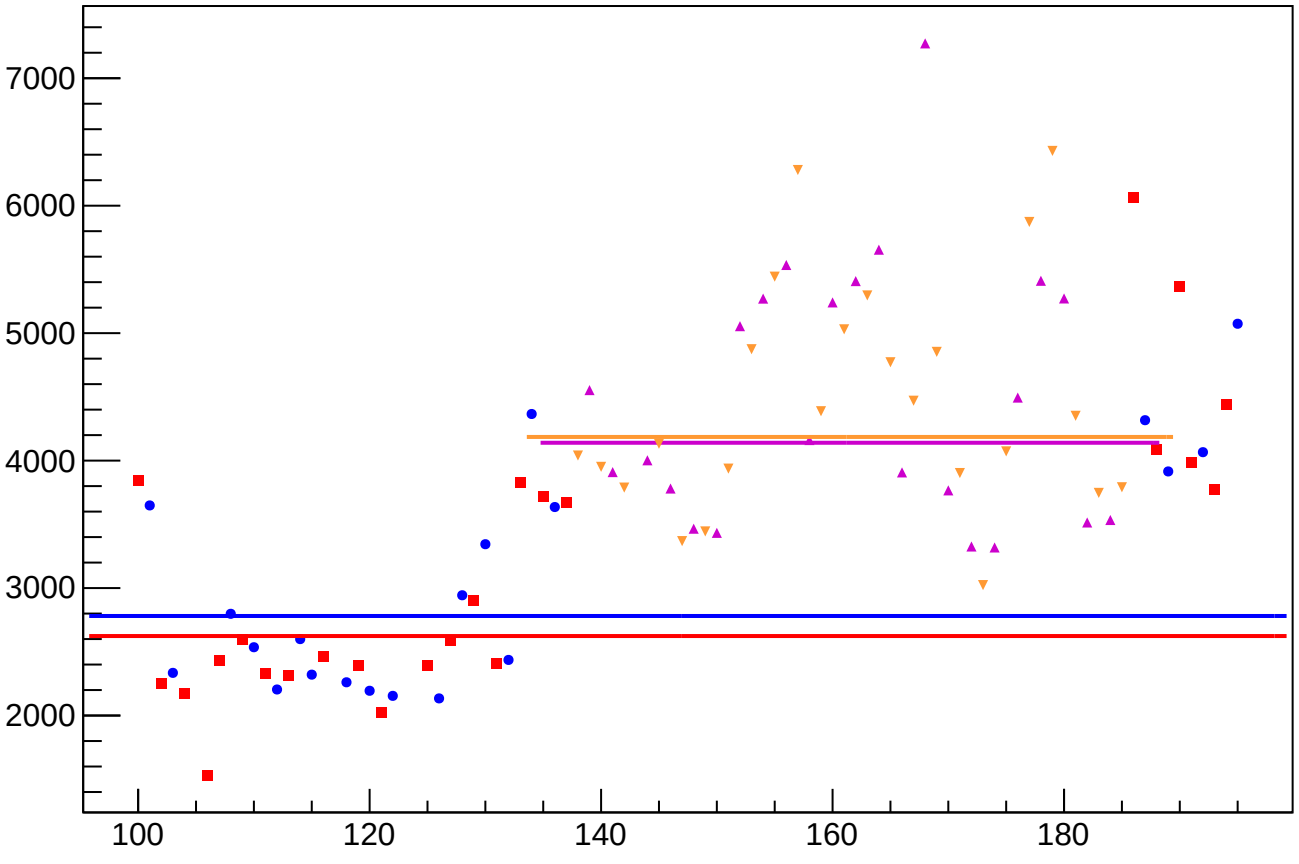
Right Out: -607.858+/-831.325 χ^2/NDF: 31.0/23

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 401.014+/-677.708 χ^2/NDF: 49.0/43

All: -59.862+/-464.019 χ^2/NDF: 94.4/90

- sign -466.599+/-636.659 χ^2/NDF: 44.5/46



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: 2623.674+/-0.588 χ^2/NDF: 1967803.3/23

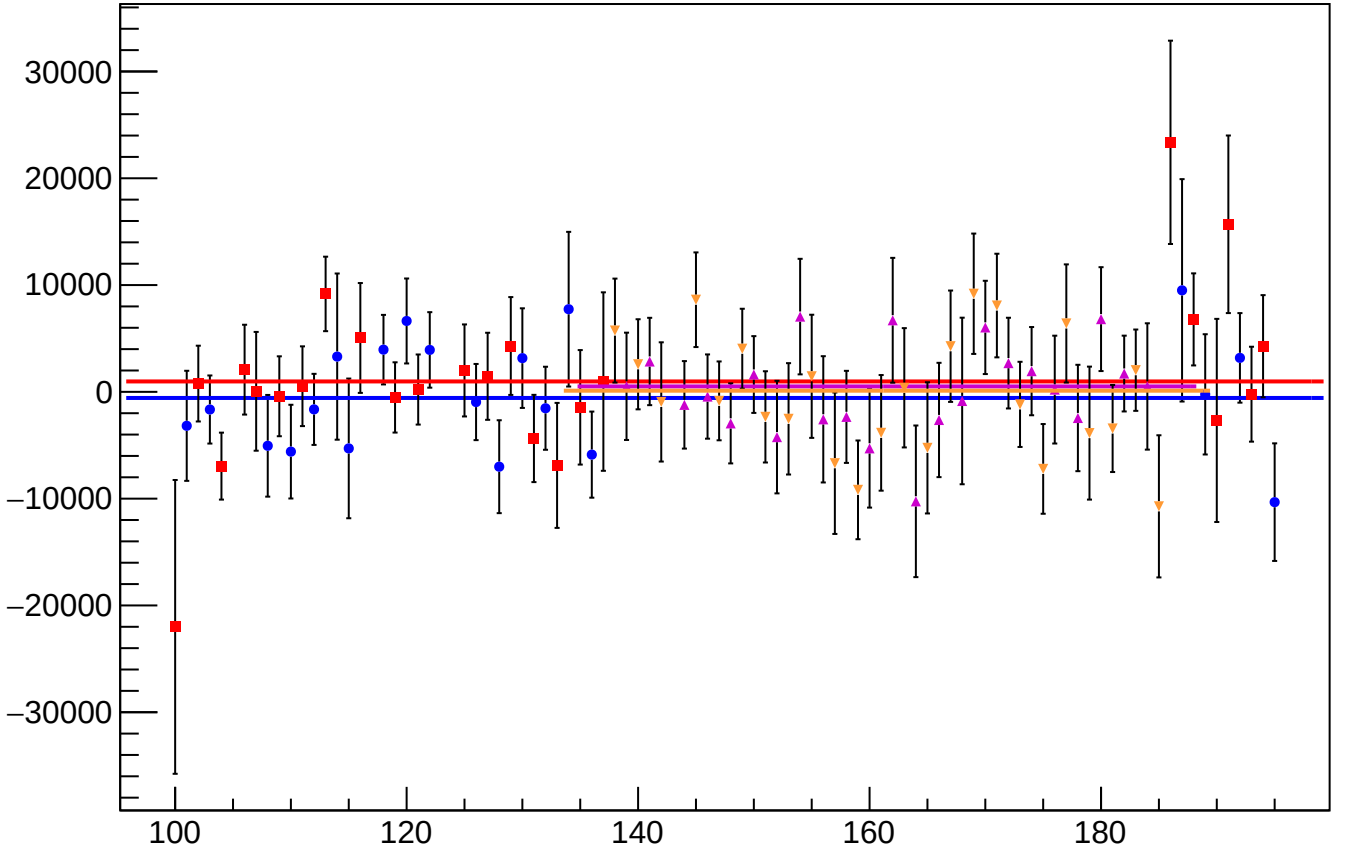
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3432.474+/-0.479 χ^2/NDF: 4791704.8/43

All: 3335.911+/-0.328 χ^2/NDF: 11037413.6/9

- sign 3250.691+/-0.450 χ^2/NDF: 6169270.1/46

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: 975.665+/-909.716 χ^2/NDF: 31.3/23

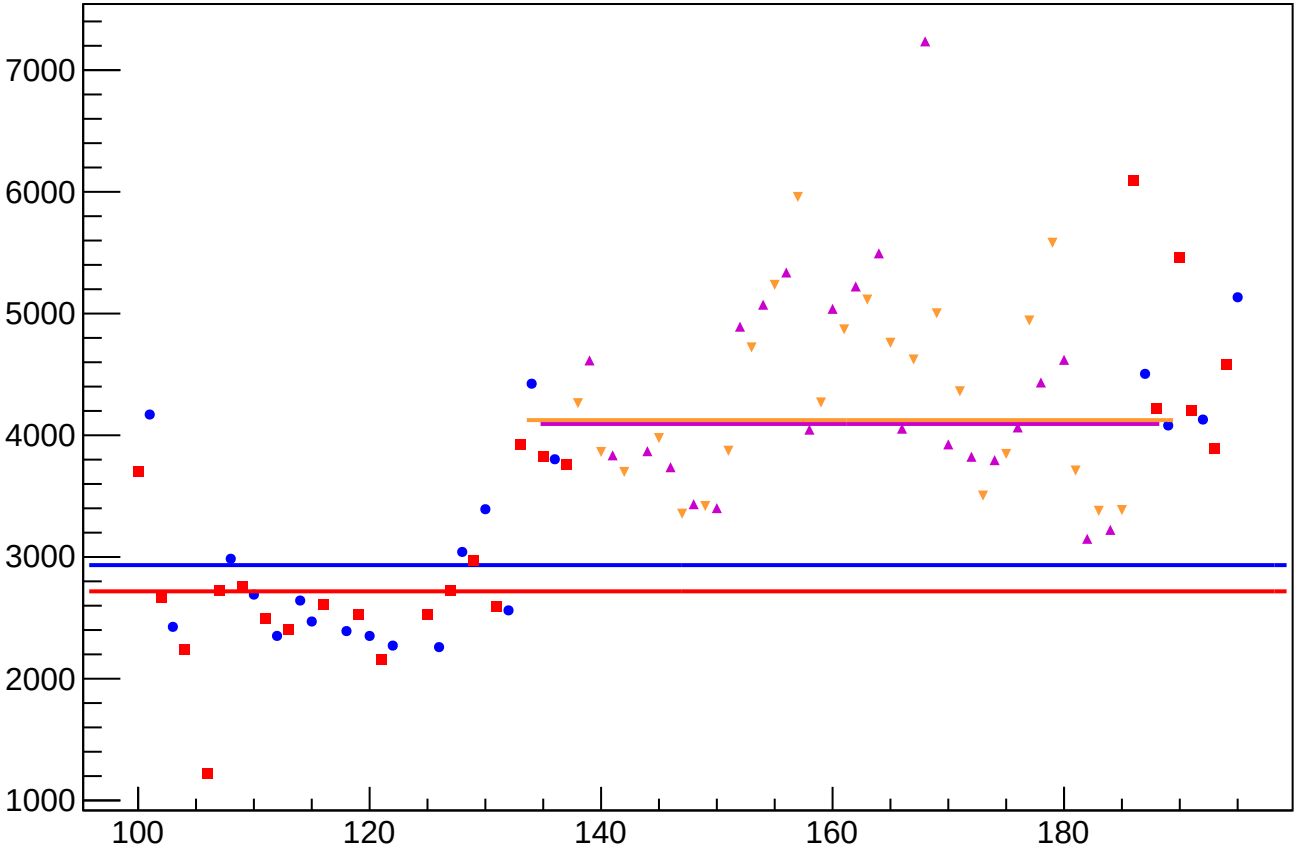
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign -231.806+/-689.200 χ^2/NDF: 49.4/43

All: 281.015+/-478.510 χ^2/NDF: 95.4/90

\- sign 758.292+/-664.886 χ^2/NDF: 45.0/46

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: 2717.808+/-0.618 χ^2/NDF: 2230339.9/23

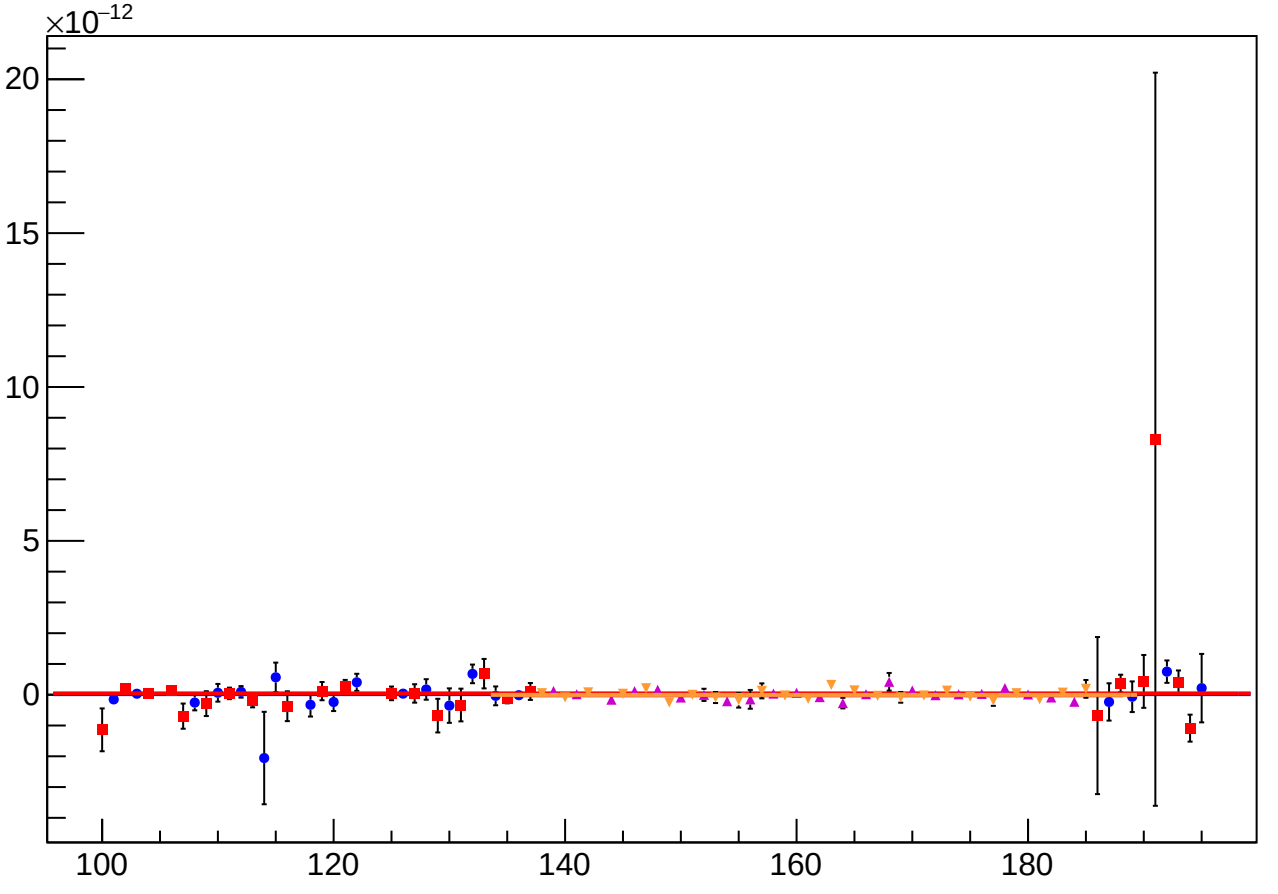
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3527.747+/-0.487 χ^2/NDF: 3776720.0/43

All: 3423.815+/-0.335 χ^2/NDF: 9464037.5/90

- sign 3331.199+/-0.460 χ^2/NDF: 5601305.7/46

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

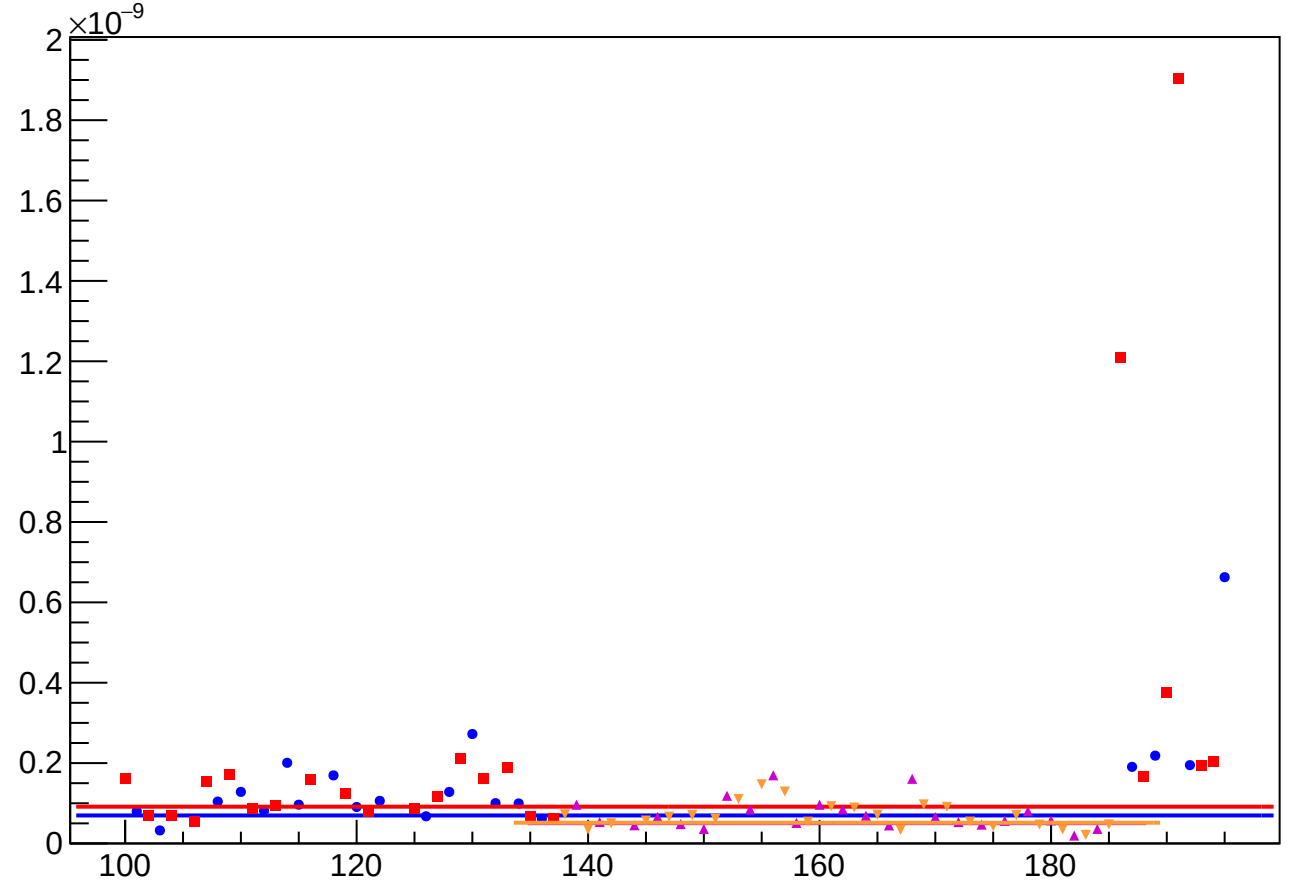
Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/23

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: 97.6/90

- sign -0.000+/-0.000 χ^2/NDF: 53.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 2307710.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1792711.1/23

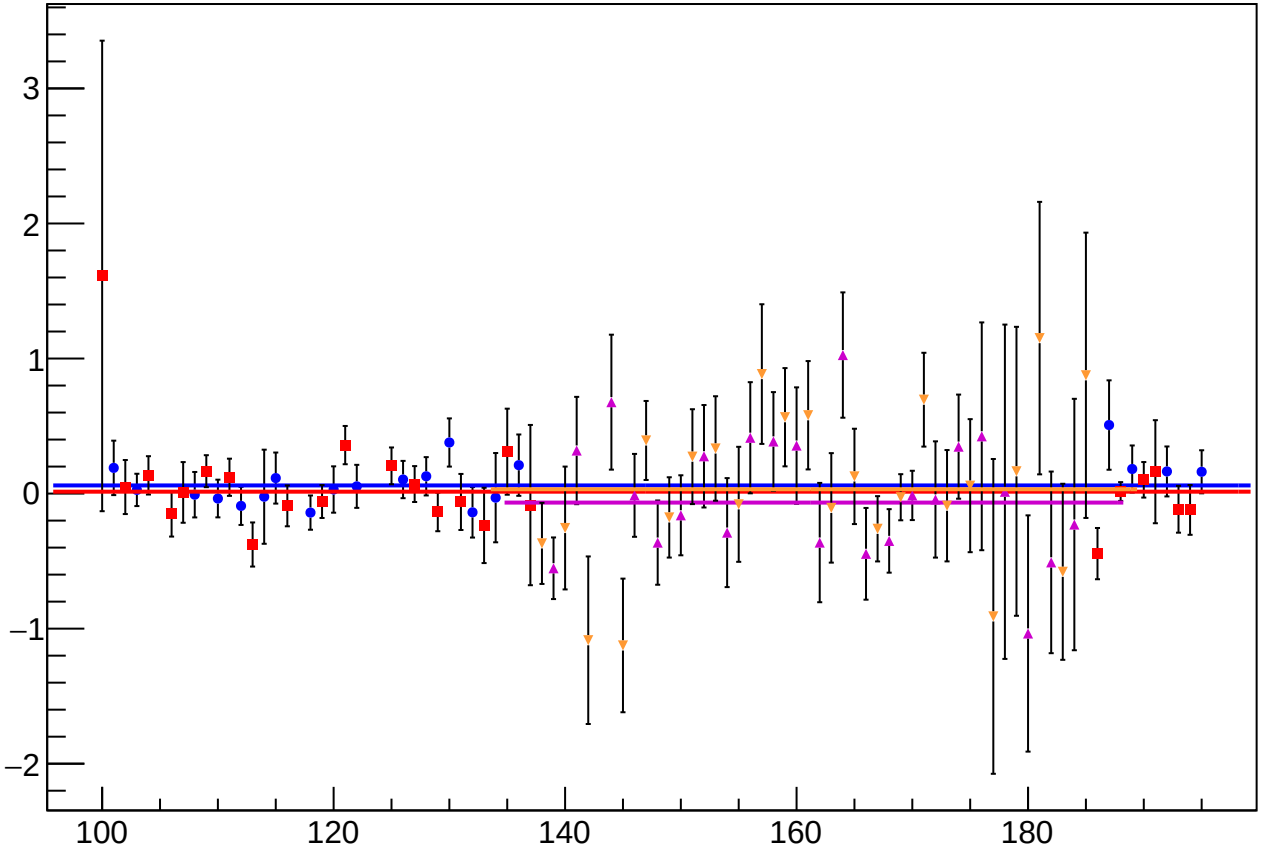
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4852908.7/43

All: 0.000+/-0.000 χ^2/NDF: 10156163.0/90

- sign 0.000+/-0.000 χ^2/NDF: 5297535.3/46

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: 0.014+/-0.031 χ^2/NDF: 29.9/23

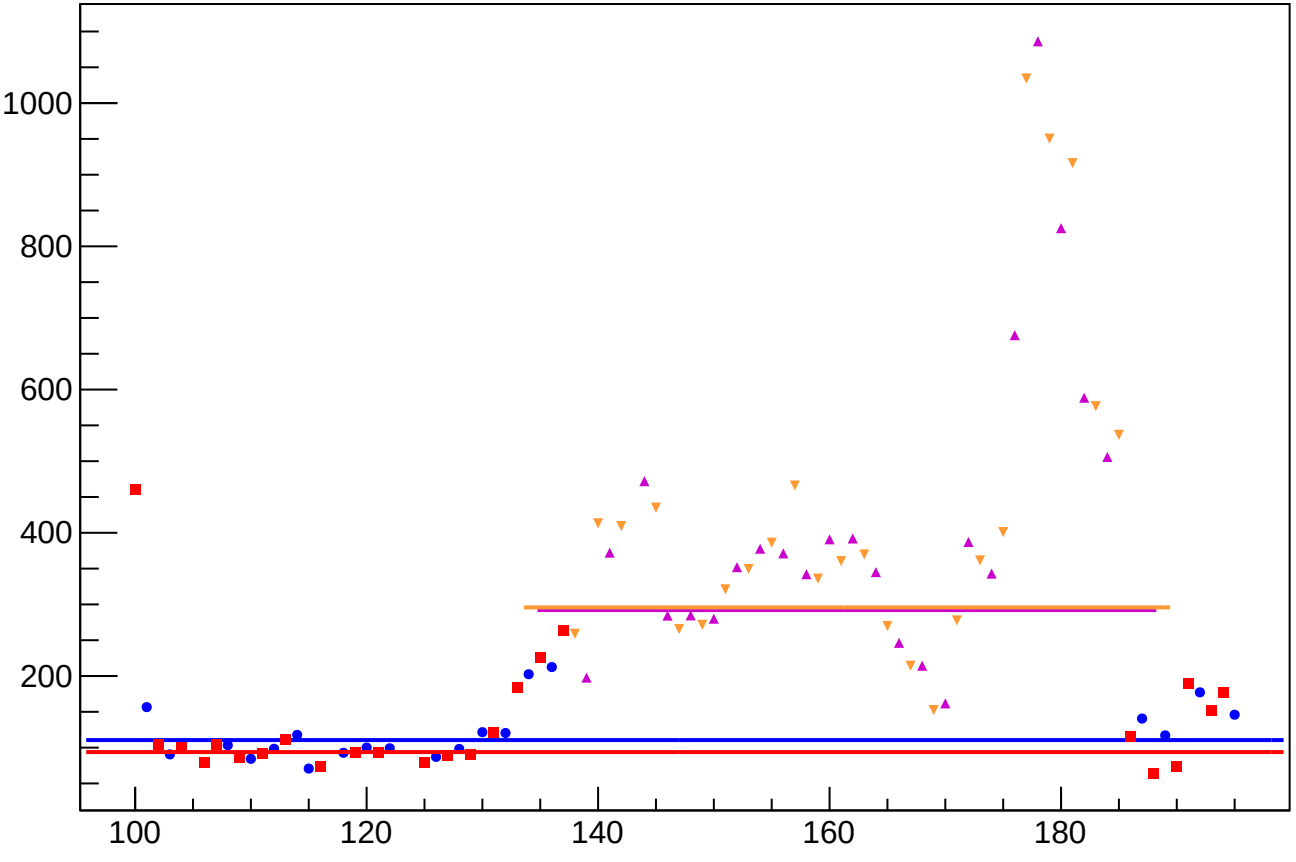
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.024+/-0.022 χ^2/NDF: 101.0/90

- sign 0.002+/-0.029 χ^2/NDF: 56.6/46

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: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

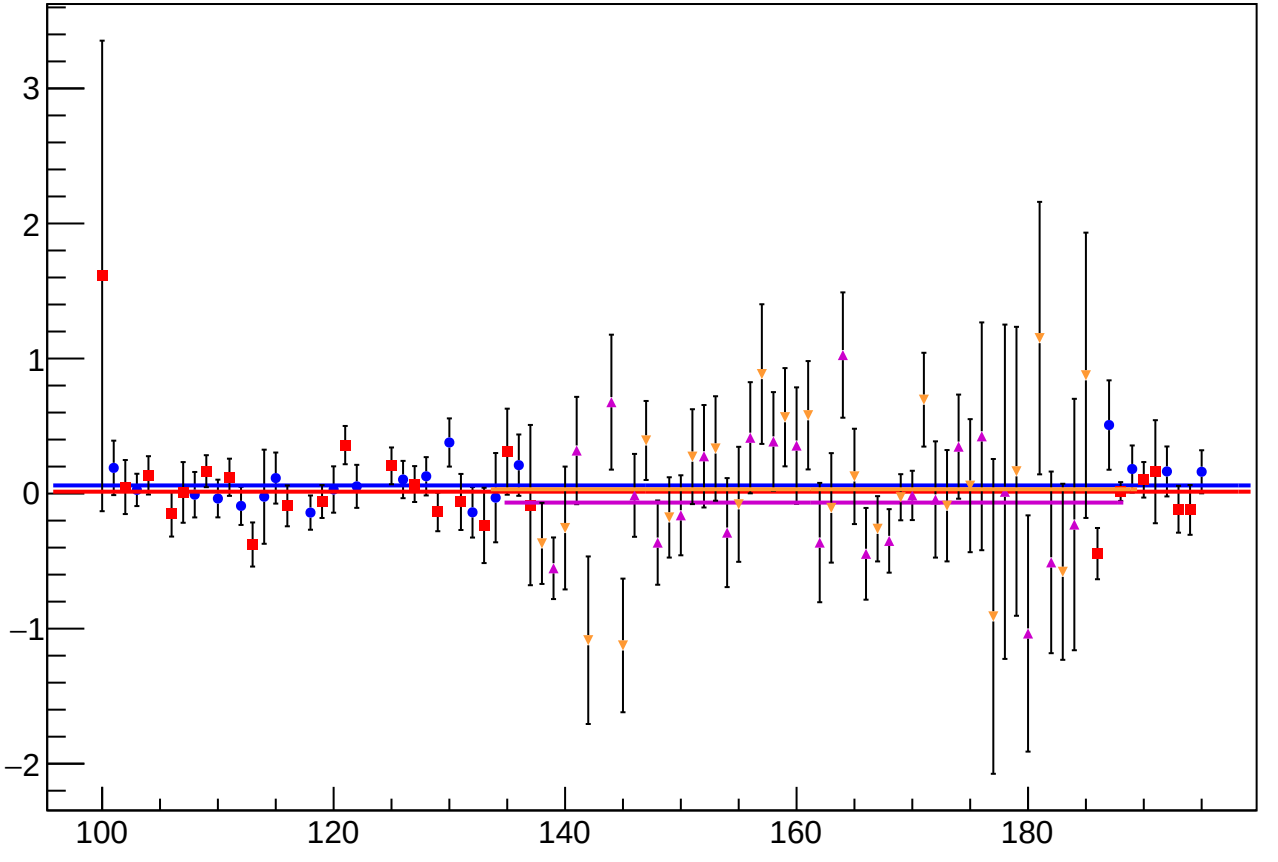
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.085+/-0.024 χ^2/NDF: 16455907.4/43

All: 133.374+/-0.016 χ^2/NDF: 36240491.7/90

- sign 123.356+/-0.020 χ^2/NDF: 19213371.2/46

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

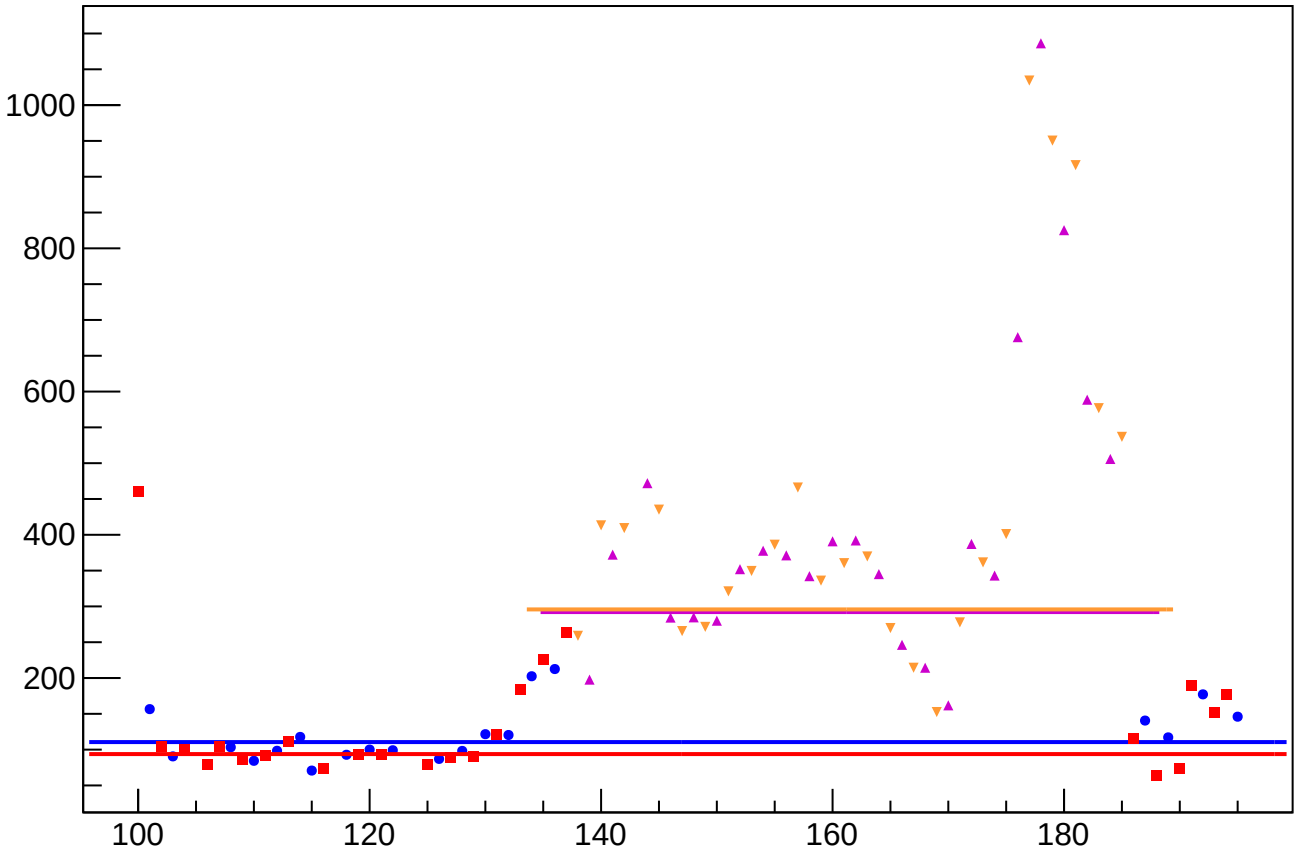
Right Out: 0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.024+/-0.022 χ^2/NDF: 101.0/90

- sign 0.002+/-0.029 χ^2/NDF: 56.6/46



Right In: 110.554+/-0.027 χ^2/NDF: 1417220.5/19

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

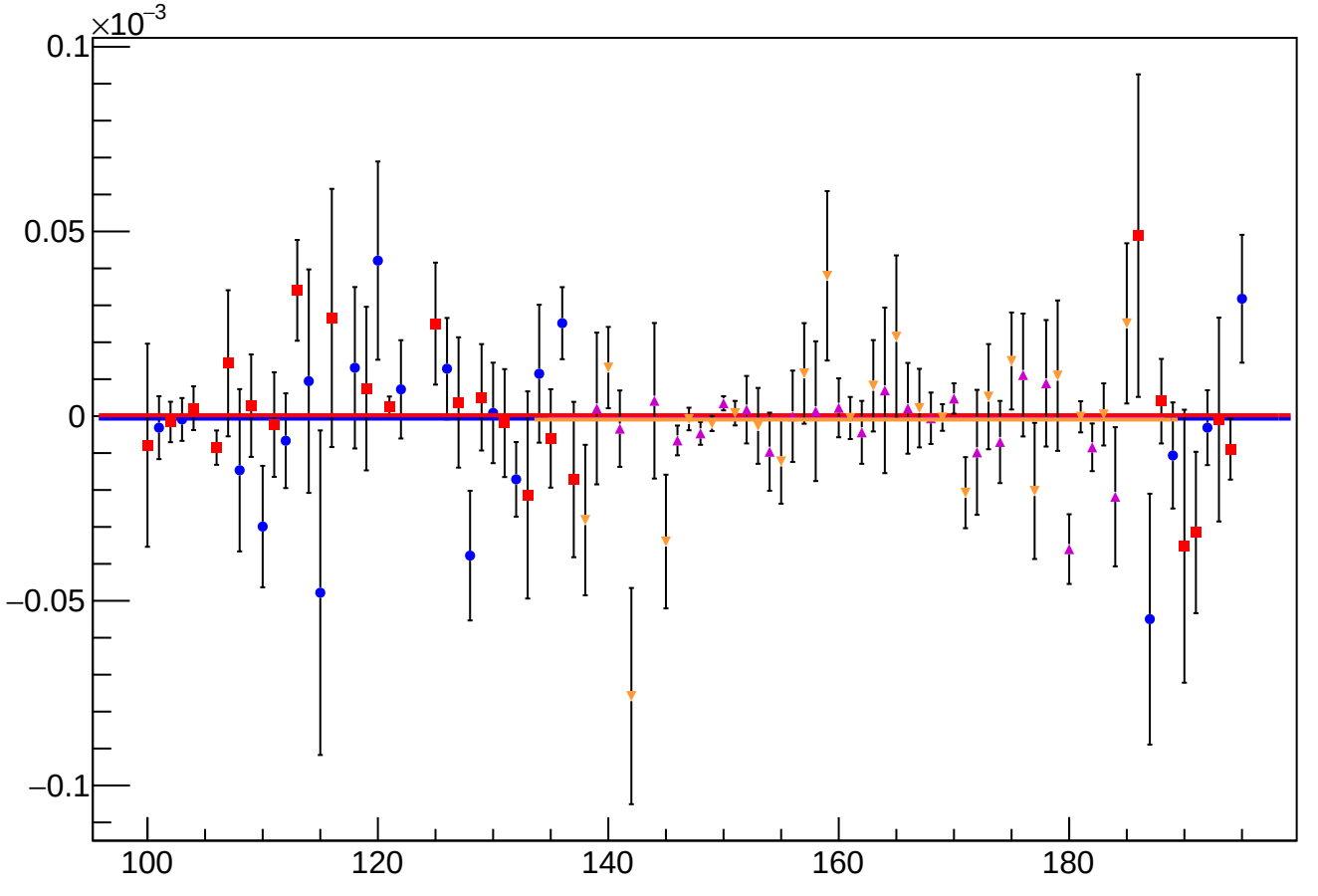
Right Out: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.085+/-0.024 χ^2/NDF: 16455907.4/43

All: 133.374+/-0.016 χ^2/NDF: 36240491.7/90

- sign 123.356+/-0.020 χ^2/NDF: 19213371.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

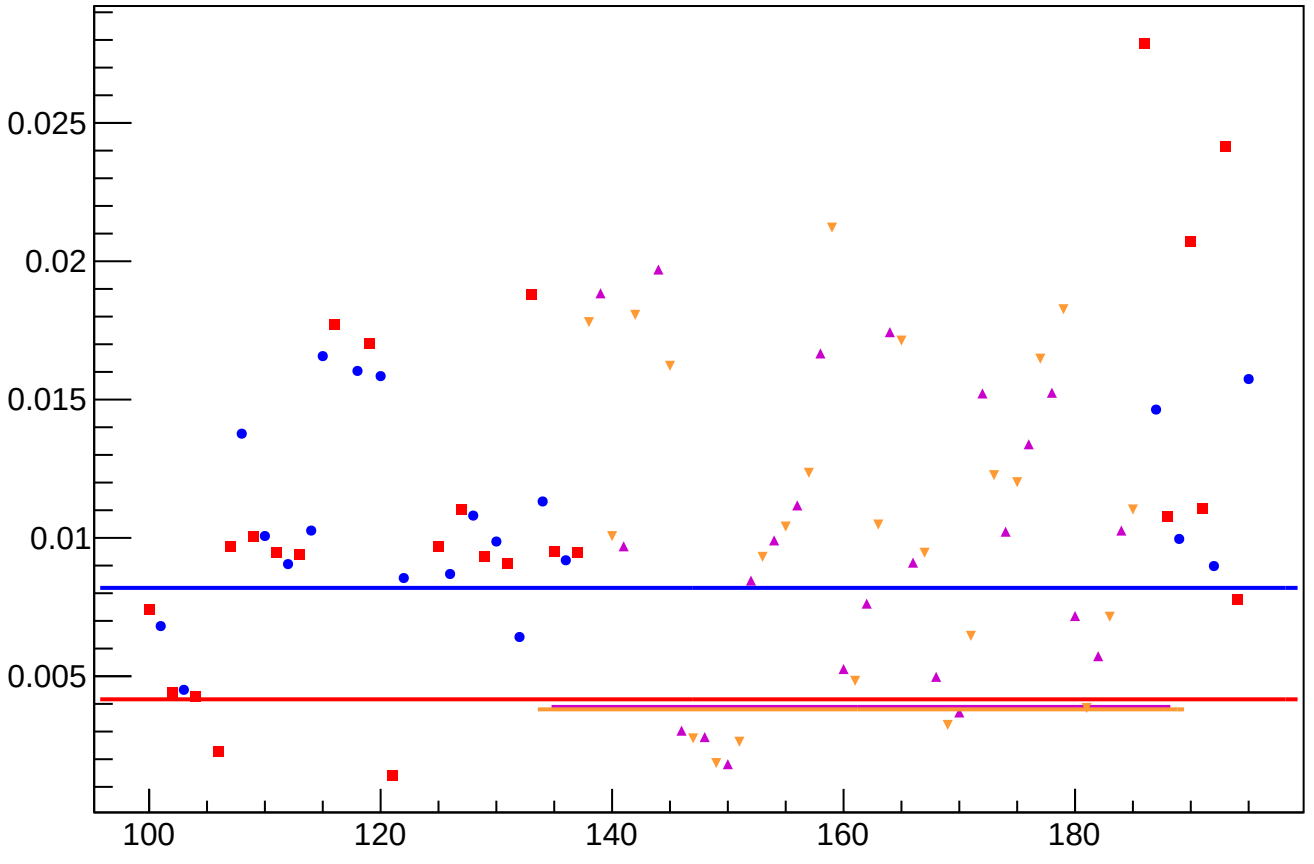
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/23

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: 111.4/90

- sign -0.000+/-0.000 χ^2/NDF: 51.6/46



Right In: 0.008+/-0.000 χ^2/NDF: 2238997.1/19

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9844888.0/23

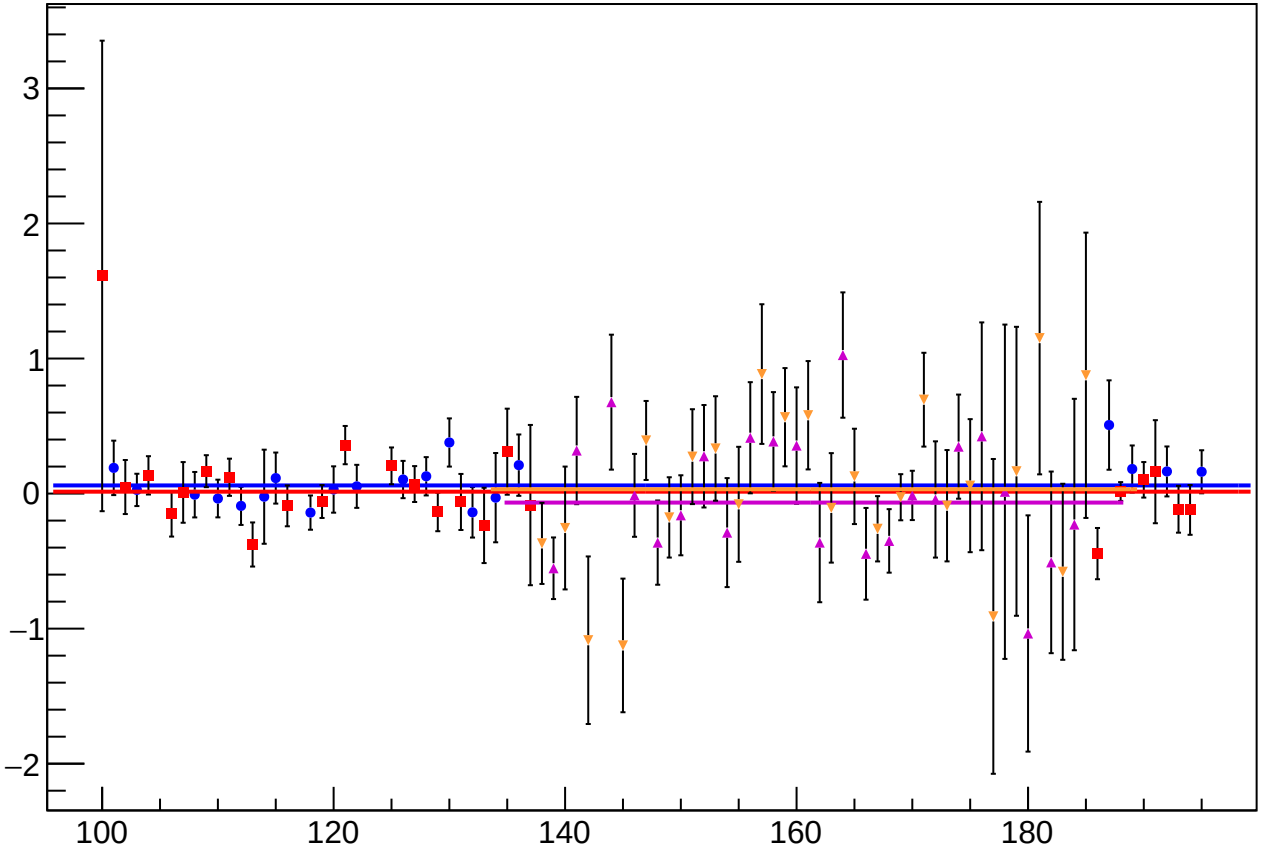
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 20874675.0/43

All: 0.004+/-0.000 χ^2/NDF: 44474050.7/90

- sign 0.004+/-0.000 χ^2/NDF: 23401069.0/46

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

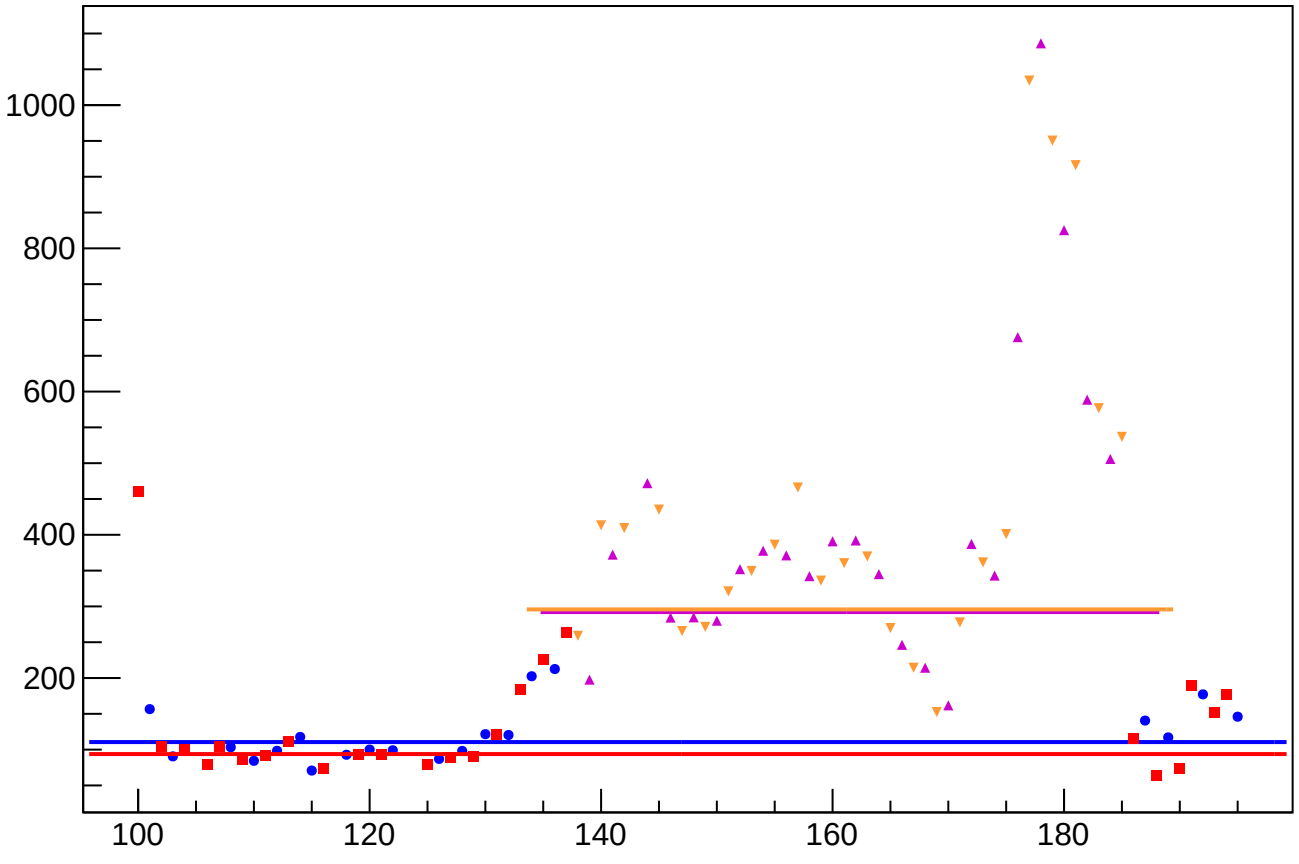
Right Out: 0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.055+/-0.034 χ^2/NDF: 43.0/43

All: 0.024+/-0.022 χ^2/NDF: 101.0/90

- sign 0.002+/-0.029 χ^2/NDF: 56.6/46



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

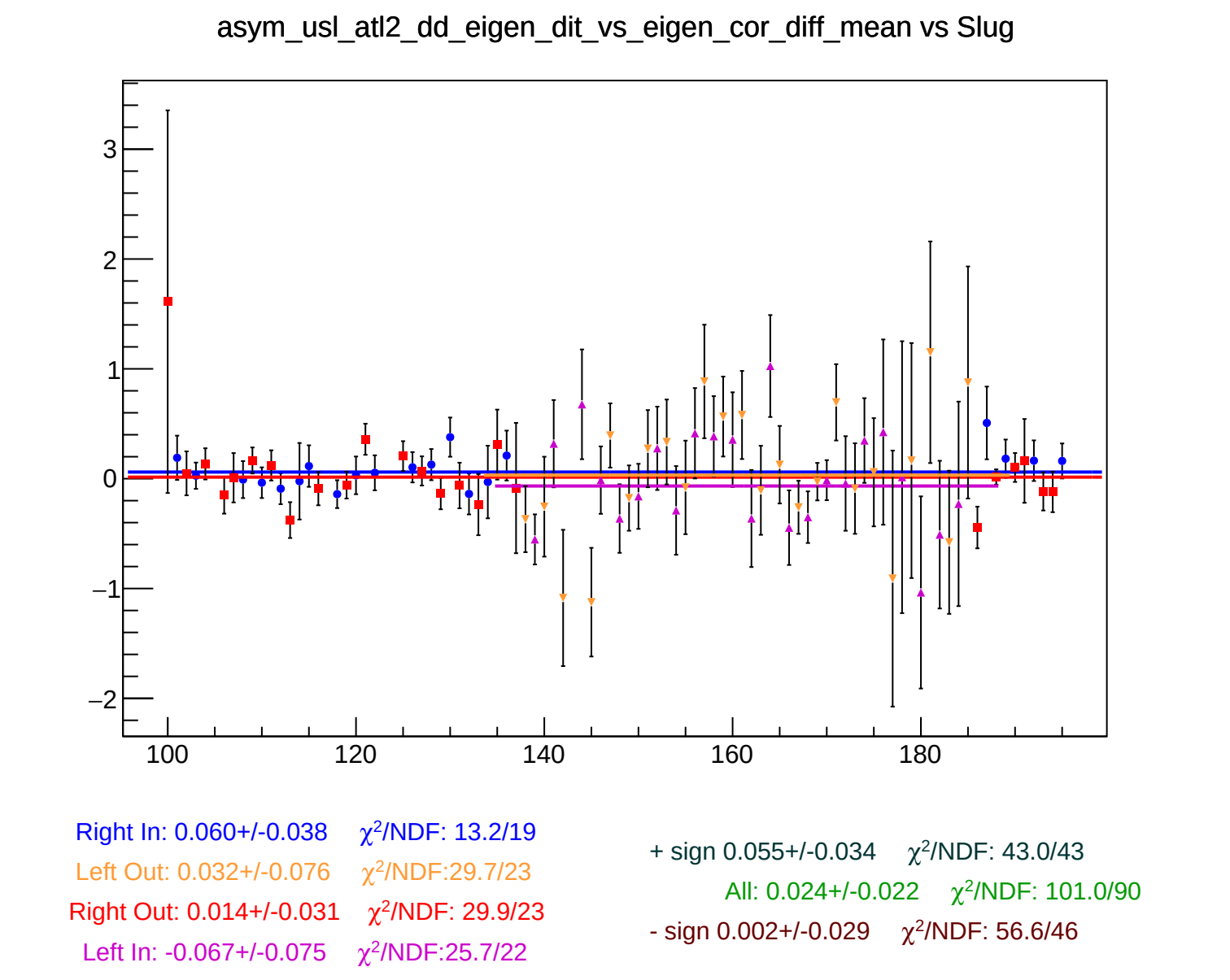
Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

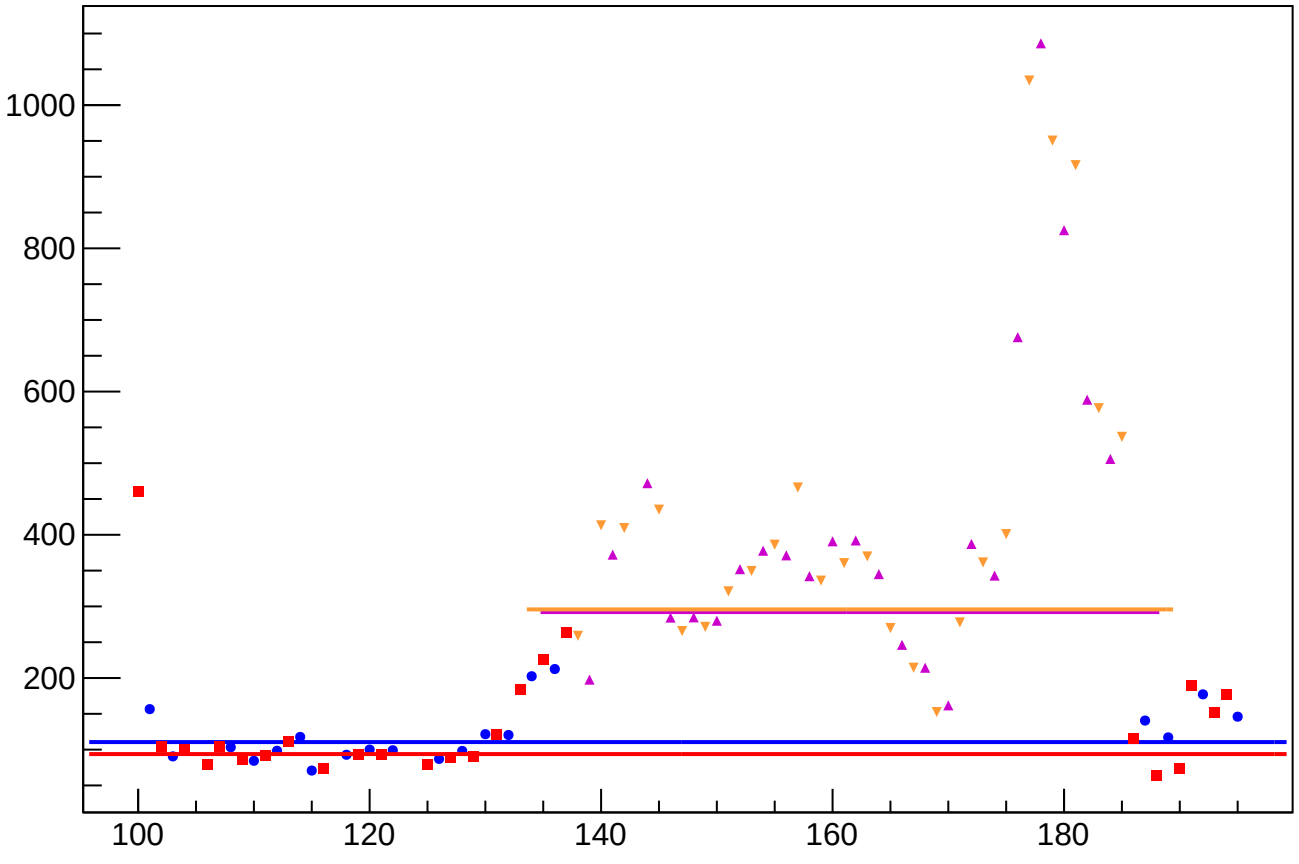
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.086+/-0.024 χ^2/NDF: 16455917.7/43

All: 133.373+/-0.016 χ^2/NDF: 36241059.8/90

- sign 123.354+/-0.020 χ^2/NDF: 19213813.6/46


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.060+/-0.038 χ²/NDF: 13.2/19
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.014+/-0.031 χ²/NDF: 29.9/23
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.055+/-0.034 χ²/NDF: 43.0/43
All: 0.024+/-0.022 χ²/NDF: 101.0/90
- sign 0.002+/-0.029 χ²/NDF: 56.6/46



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

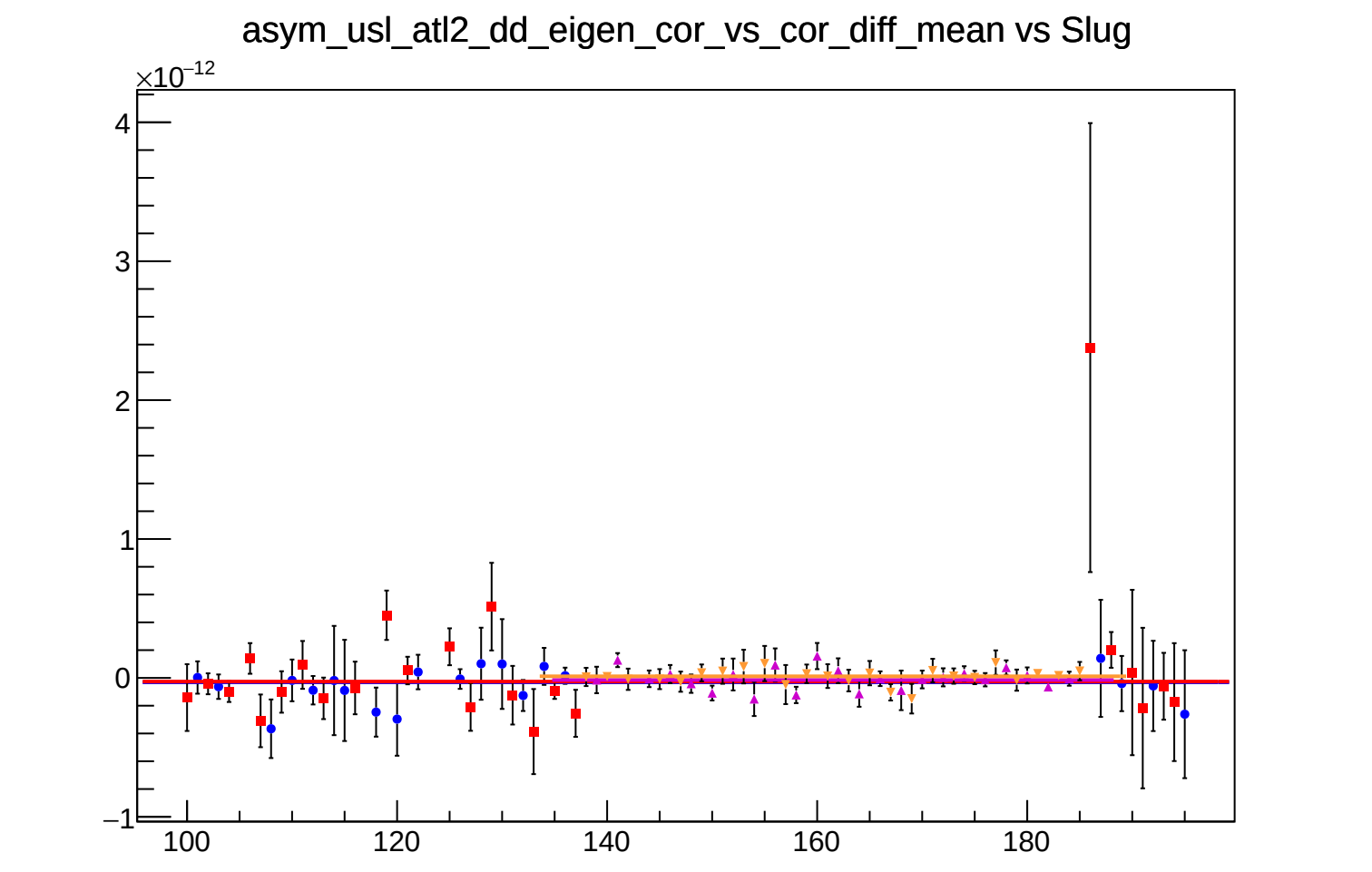
Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.086+/-0.024 χ^2/NDF: 16455917.7/43

All: 133.373+/-0.016 χ^2/NDF: 36241059.8/90

- sign 123.354+/-0.020 χ^2/NDF: 19213813.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

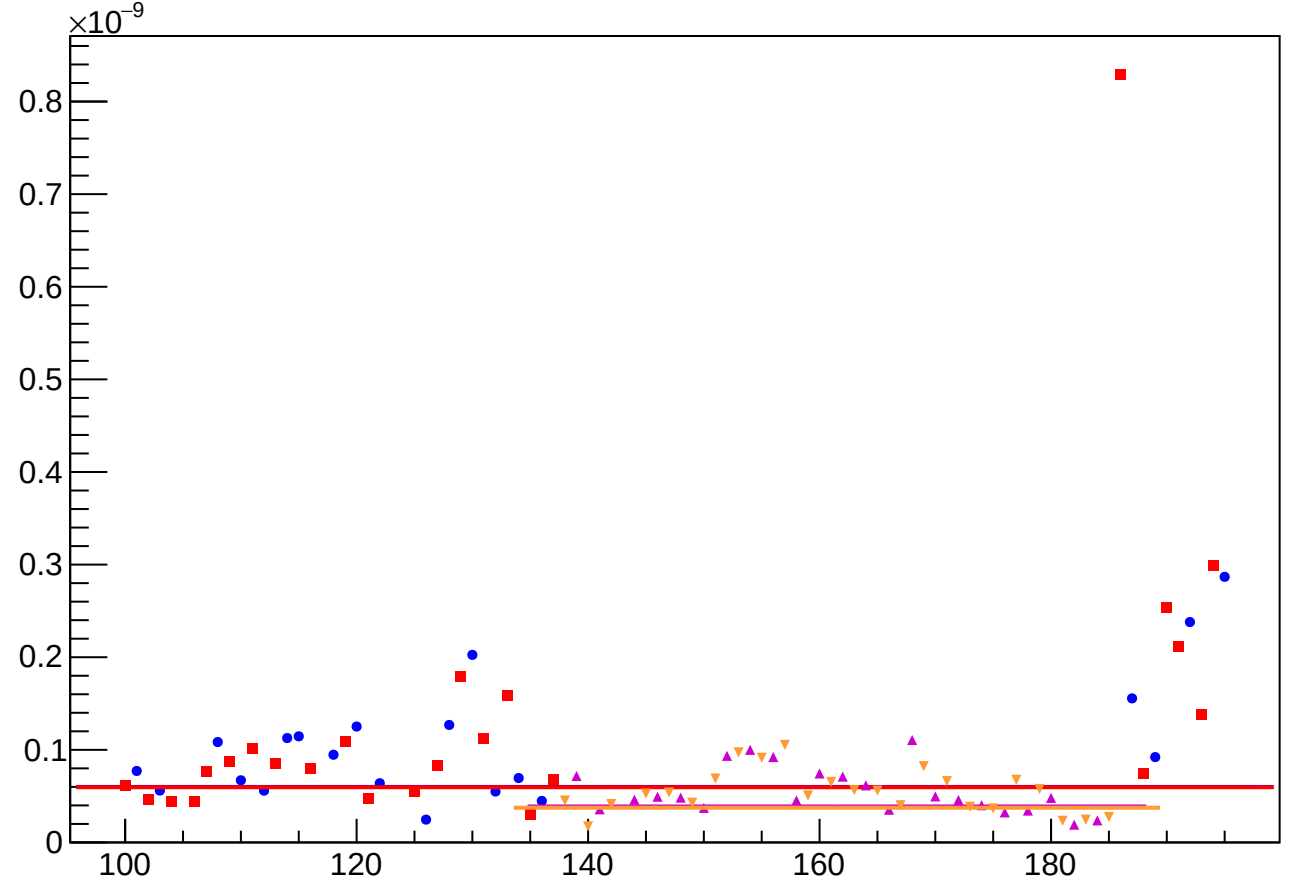
Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/23

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: 87.3/90

- sign -0.000+/-0.000 χ^2/NDF: 63.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 2853814.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3484530.2/23

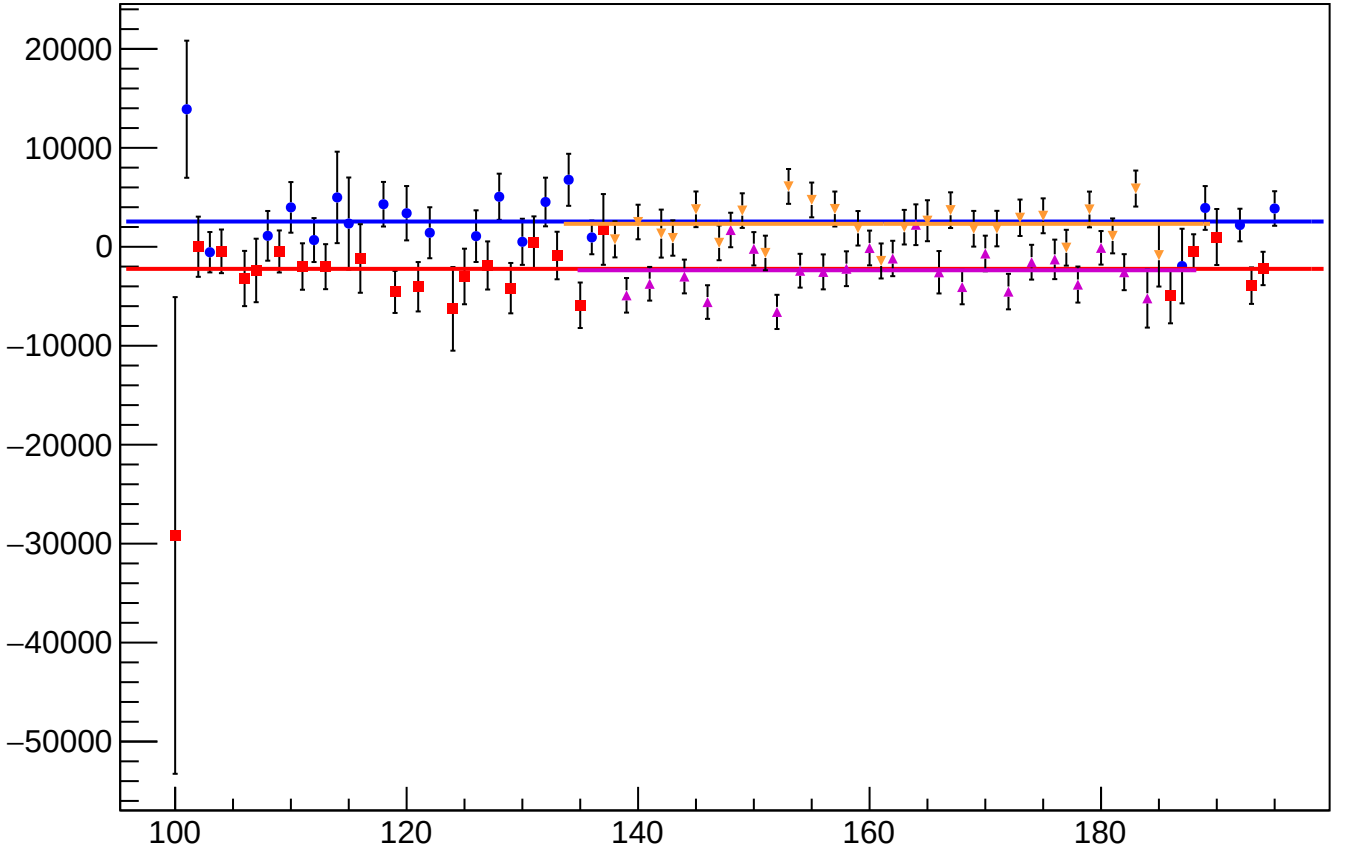
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8859778.5/43

All: 0.000+/-0.000 χ^2/NDF: 17881937.3/90

- sign 0.000+/-0.000 χ^2/NDF: 9005964.6/46

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: -2230.424+/-504.674 χ^2/NDF: 16.0/23

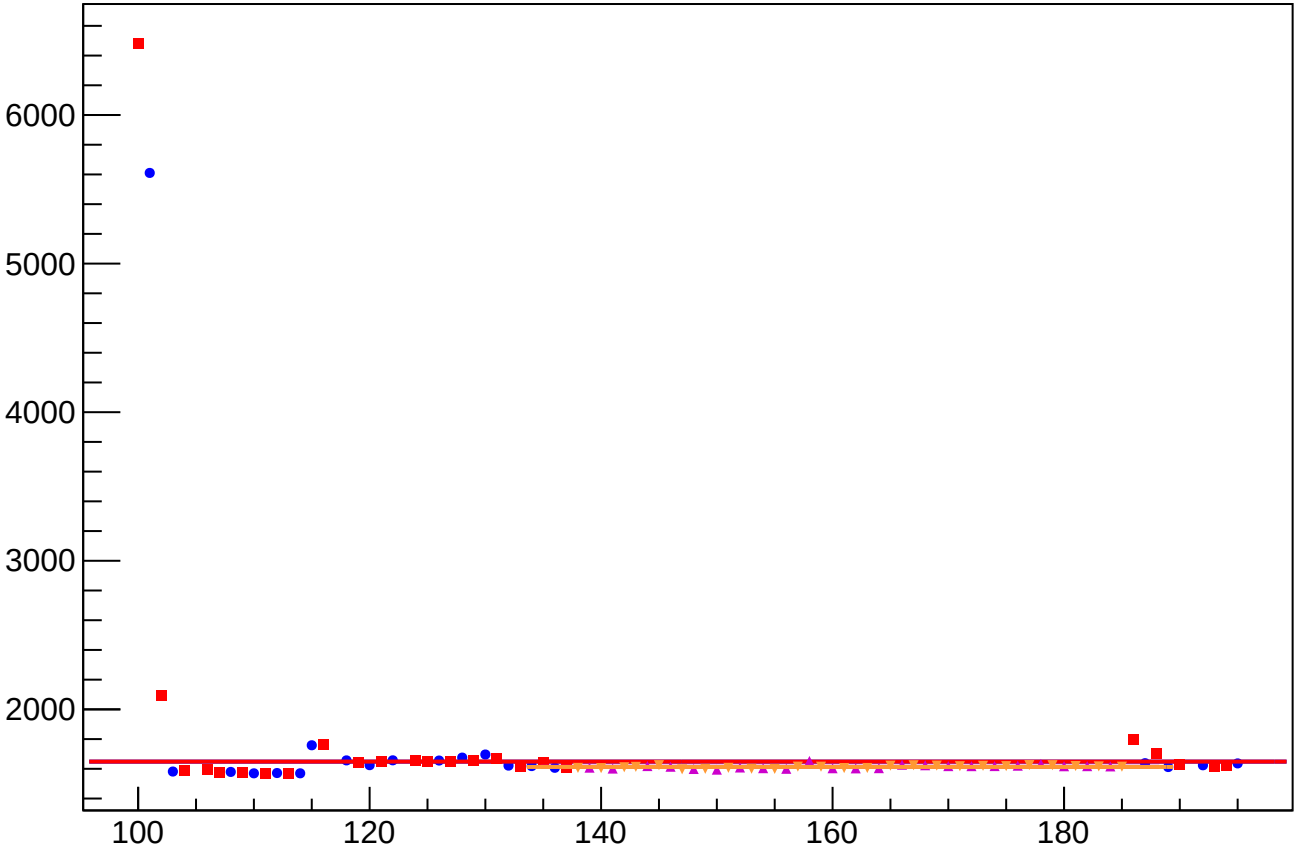
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.481+/-302.320 χ^2/NDF: 43.9/44

All: 34.457+/-213.634 χ^2/NDF: 215.5/91

- sign -2320.447+/-301.928 χ^2/NDF: 49.8/46

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: 1648.603+/-0.357 χ^2/NDF: 145631.0/23

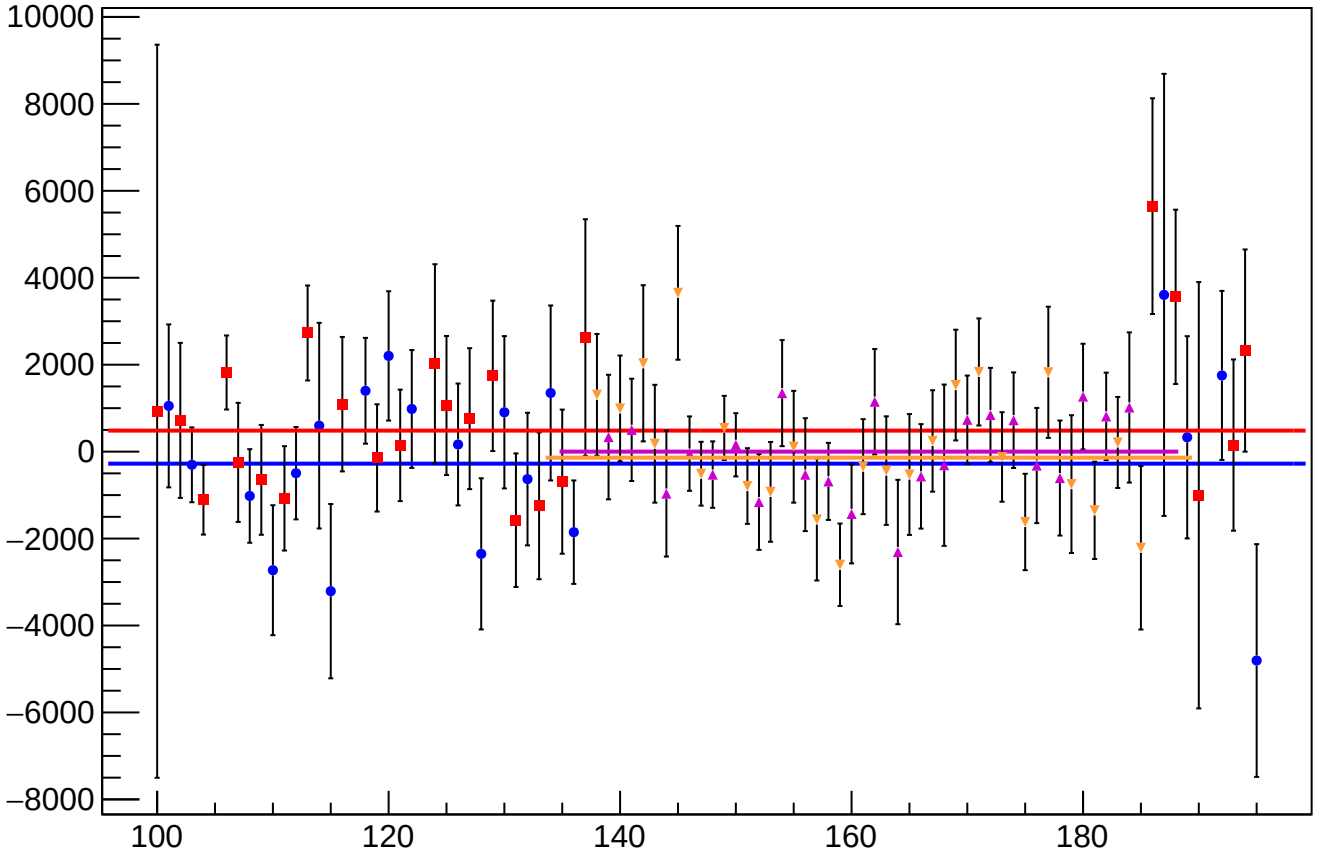
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.7/44

All: 1625.122+/-0.151 χ^2/NDF: 829050.7/91

- sign 1626.252+/-0.213 χ^2/NDF: 154094.9/46

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: 483.639+/-300.096 χ^2/NDF: 26.5/23

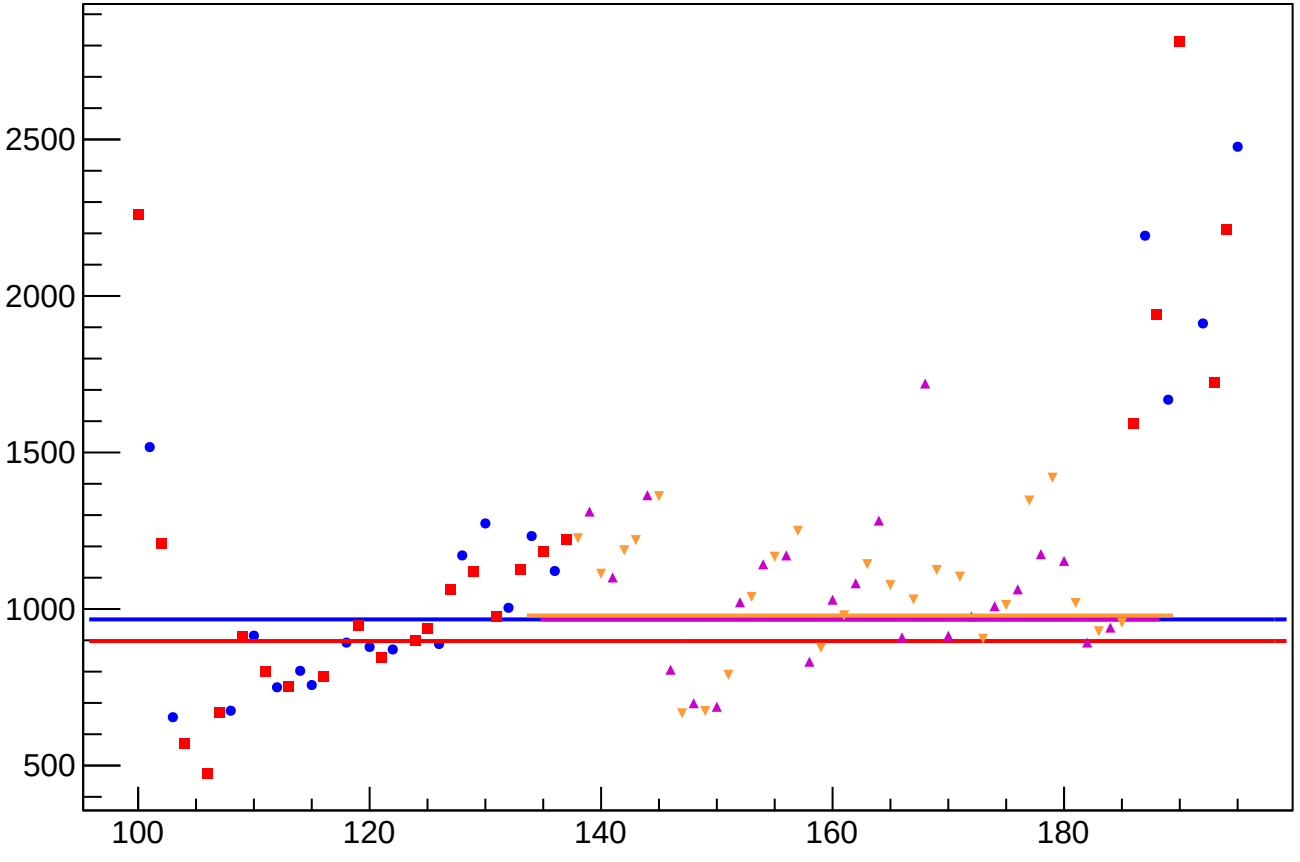
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -183.563+/-188.465 χ^2/NDF: 50.8/44

All: 3.528+/-131.474 χ^2/NDF: 93.7/91

- sign 180.886+/-183.498 χ^2/NDF: 40.9/46

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: 897.769+/-0.212 χ^2/NDF: 3240859.1/23

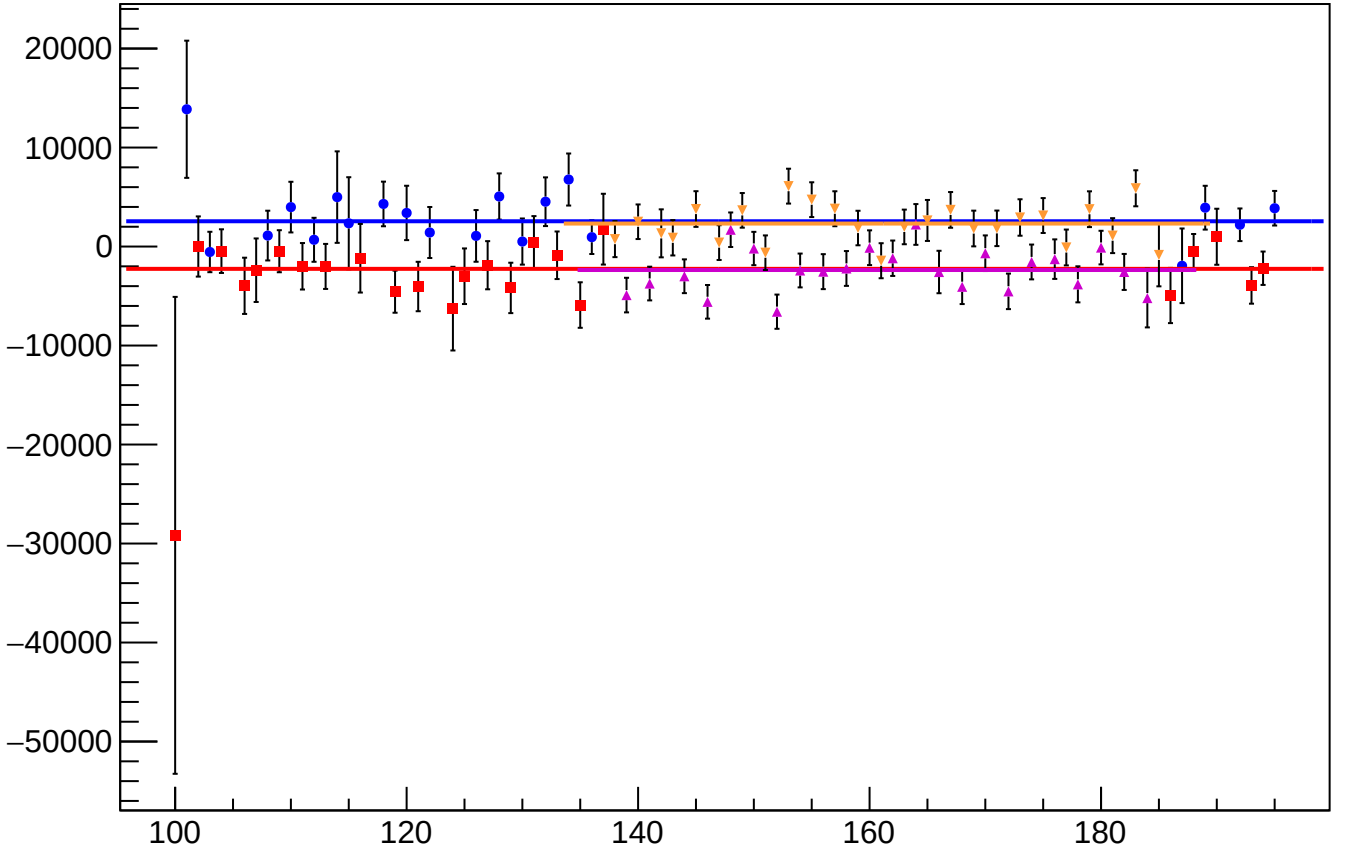
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 975.271+/-0.133 χ^2/NDF: 3929416.3/44

All: 957.585+/-0.093 χ^2/NDF: 8872916.0/91

- sign 940.819+/-0.130 χ^2/NDF: 4909189.5/46

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: -2253.639+/-504.958 χ^2/NDF: 16.2/23

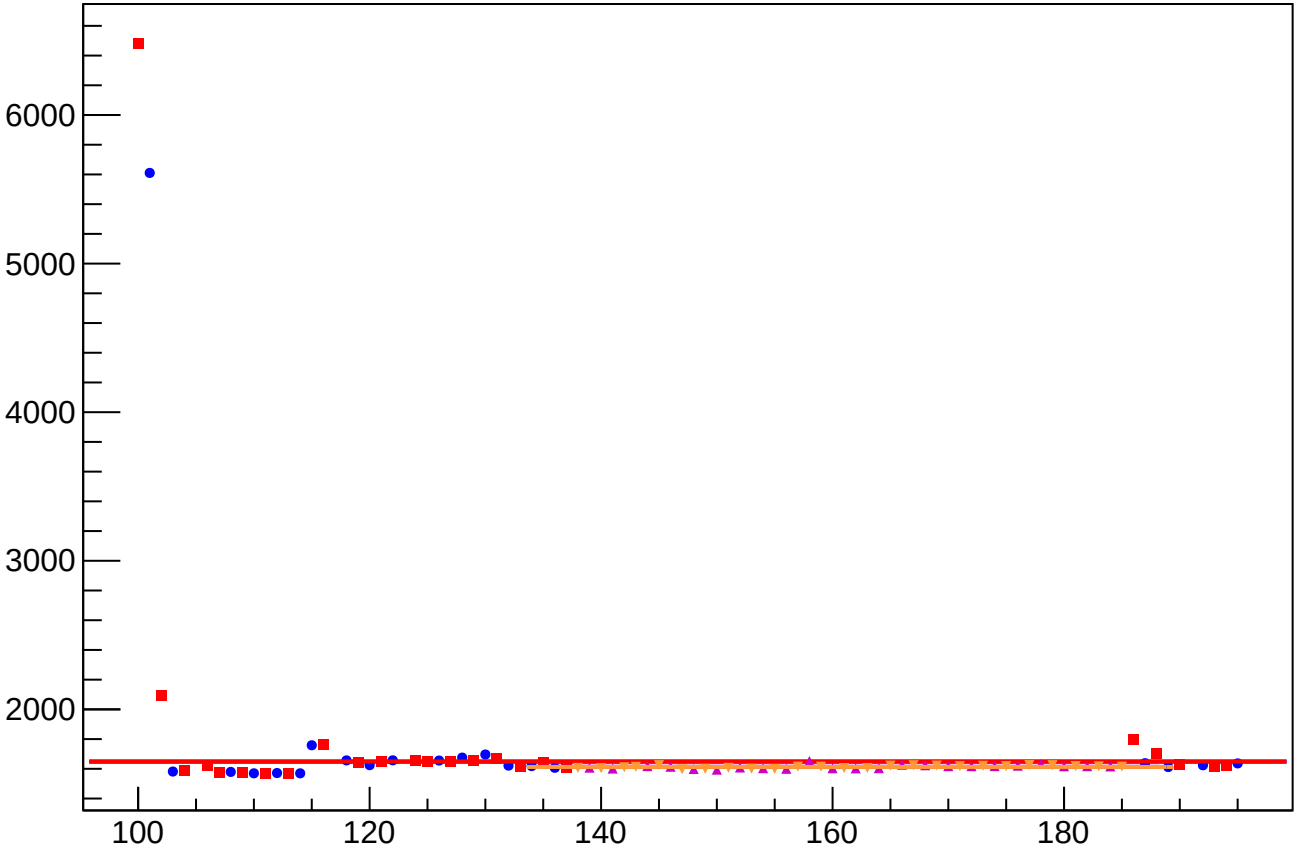
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.334+/-302.320 χ^2/NDF: 43.9/44

All: 30.661+/-213.655 χ^2/NDF: 216.1/91

- sign -2328.832+/-301.989 χ^2/NDF: 50.0/46

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

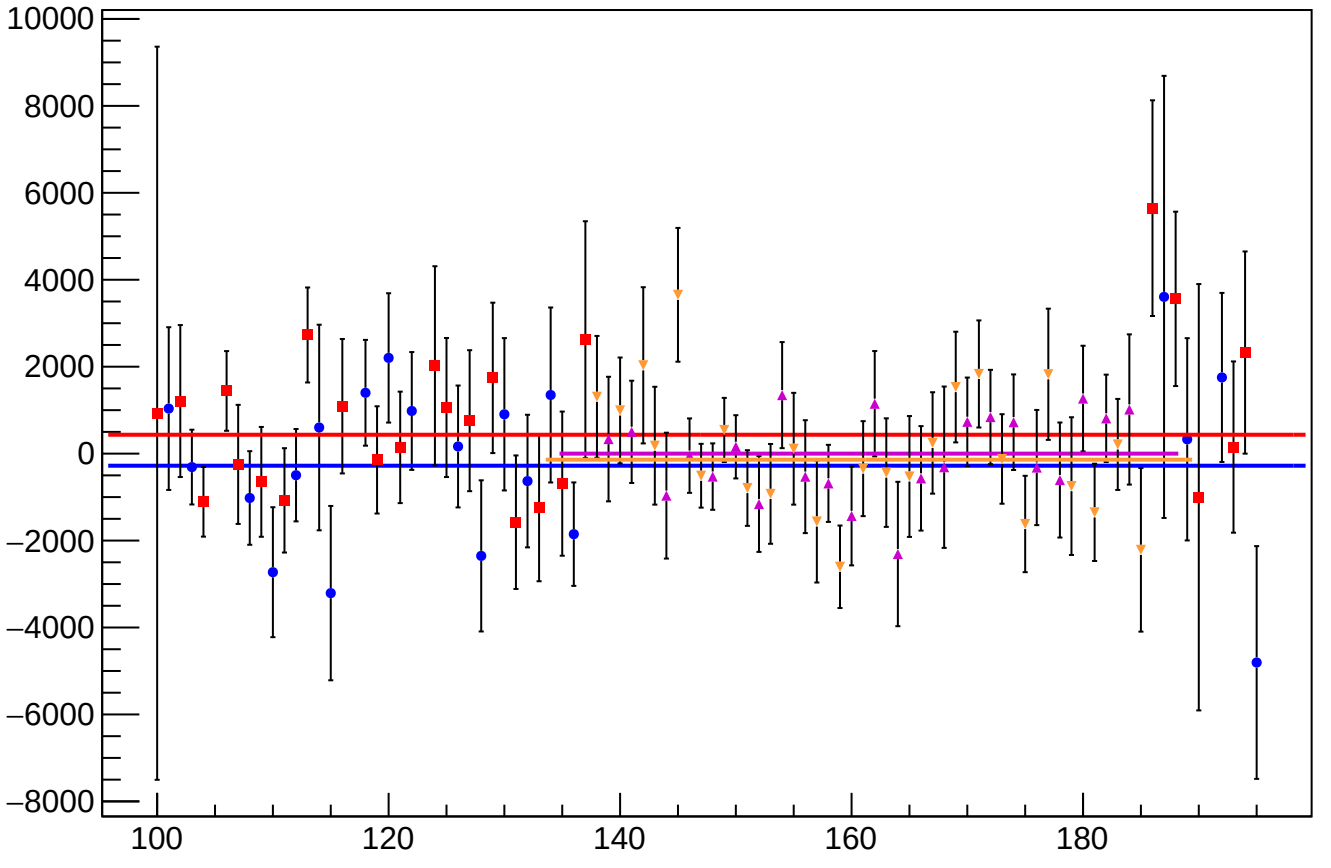
Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.2/44

All: 1625.278+/-0.151 χ^2/NDF: 828797.2/91

- sign 1626.565+/-0.214 χ^2/NDF: 153825.3/46



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: 434.712+/-302.537 χ^2/NDF: 25.2/23

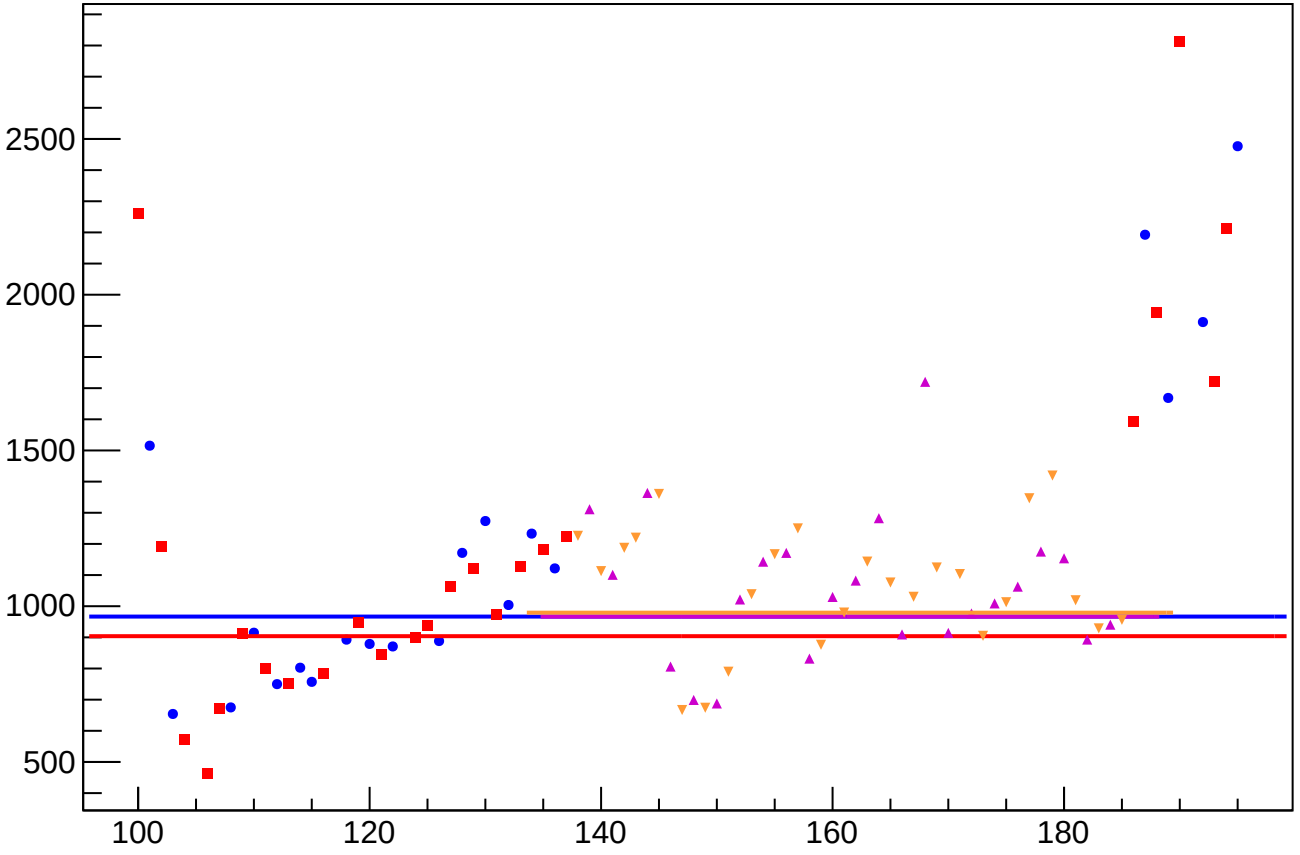
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -184.009+/-188.457 χ^2/NDF: 50.8/44

All: -7.460+/-131.675 χ^2/NDF: 91.9/91

- sign 160.932+/-184.053 χ^2/NDF: 39.4/46

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: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

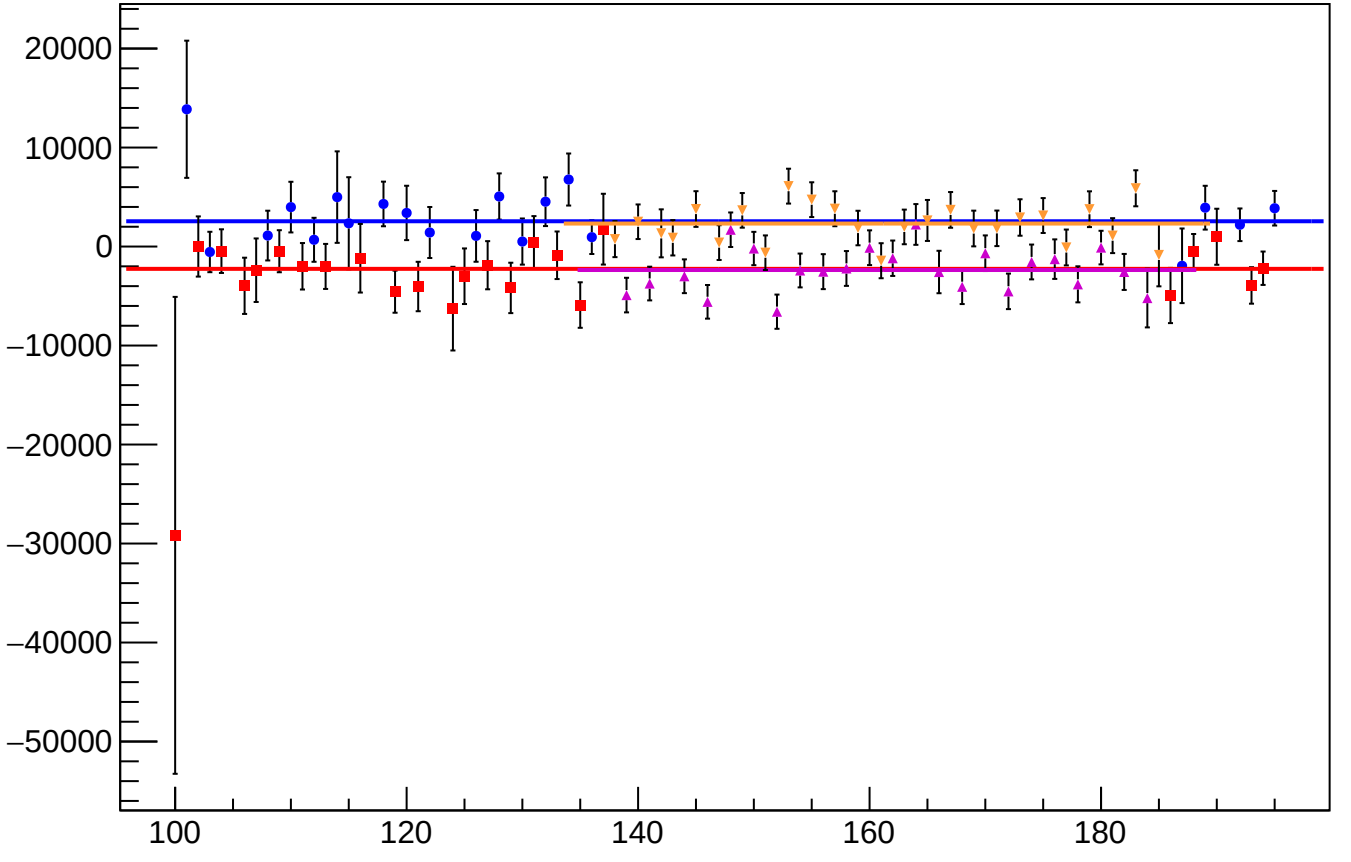
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 975.230+/-0.133 χ^2/NDF: 3929615.1/44

All: 958.897+/-0.093 χ^2/NDF: 8804713.4/91

- sign 943.318+/-0.130 χ^2/NDF: 4845746.9/46

eigen_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: -2253.639+/-504.958 χ^2/NDF: 16.2/23

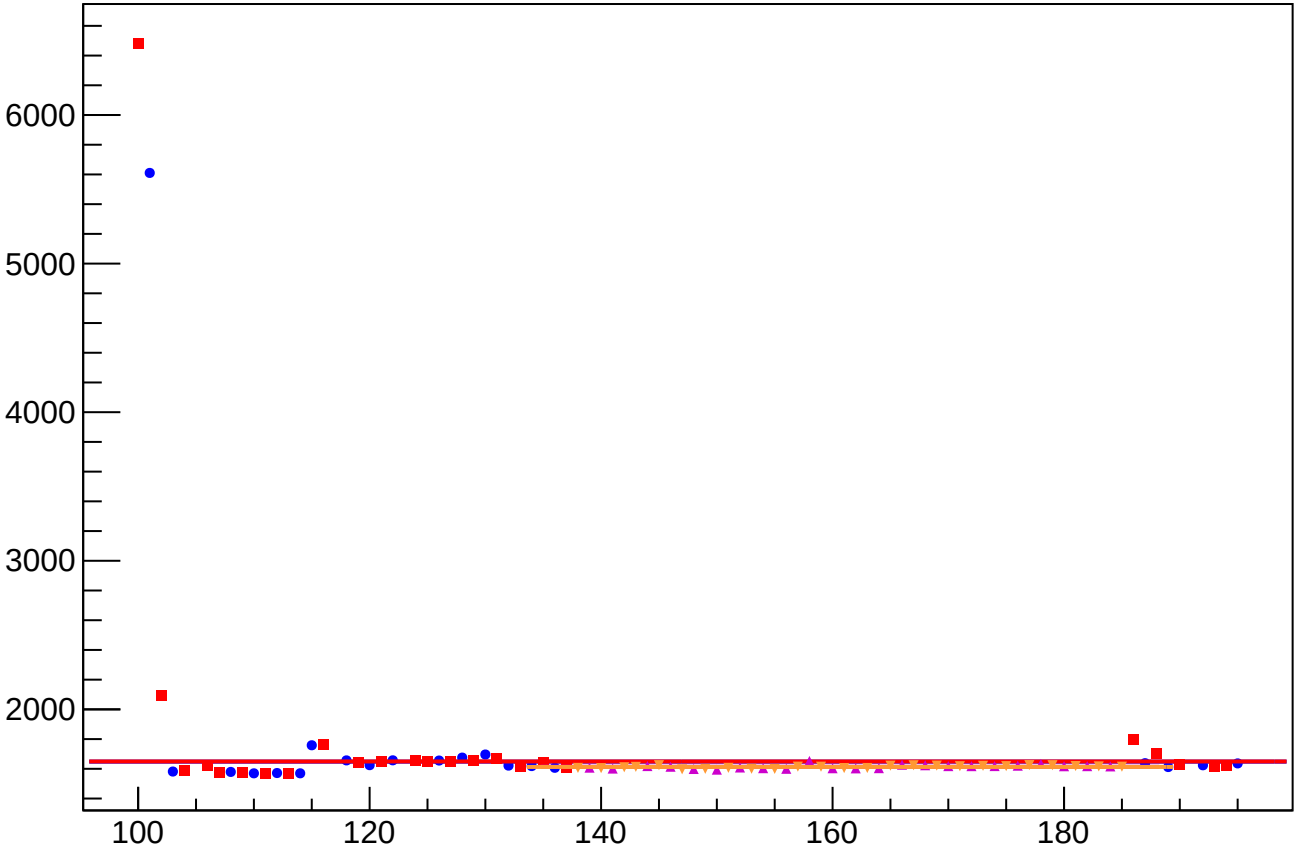
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2395.334+/-302.320 χ^2/NDF: 43.9/44

All: 30.661+/-213.655 χ^2/NDF: 216.1/91

- sign -2328.832+/-301.989 χ^2/NDF: 50.0/46

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

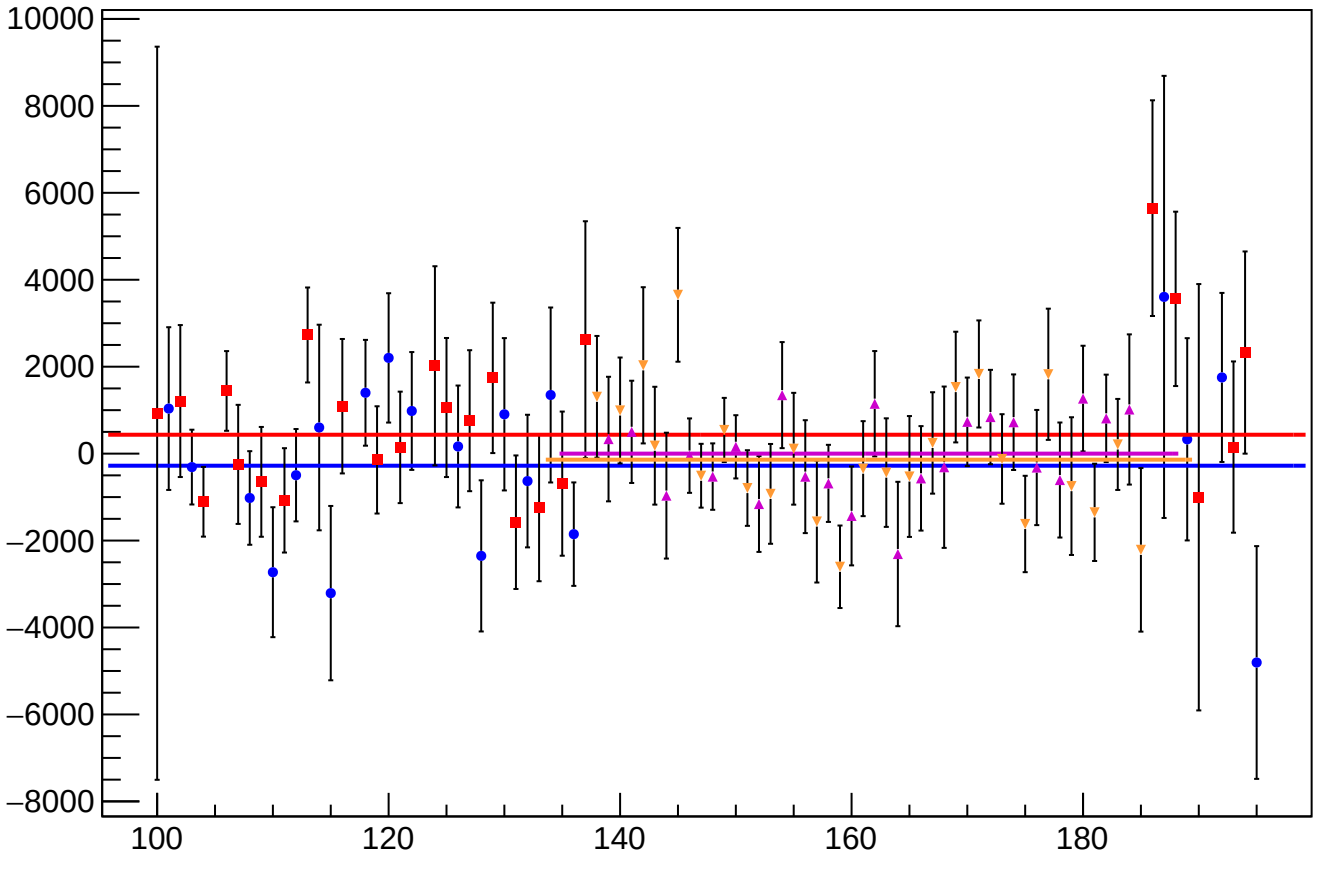
Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.988+/-0.214 χ^2/NDF: 674899.2/44

All: 1625.278+/-0.151 χ^2/NDF: 828797.2/91

- sign 1626.565+/-0.214 χ^2/NDF: 153825.3/46



Right In: -277.987+/-331.352 χ^2/NDF: 20.6/19

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

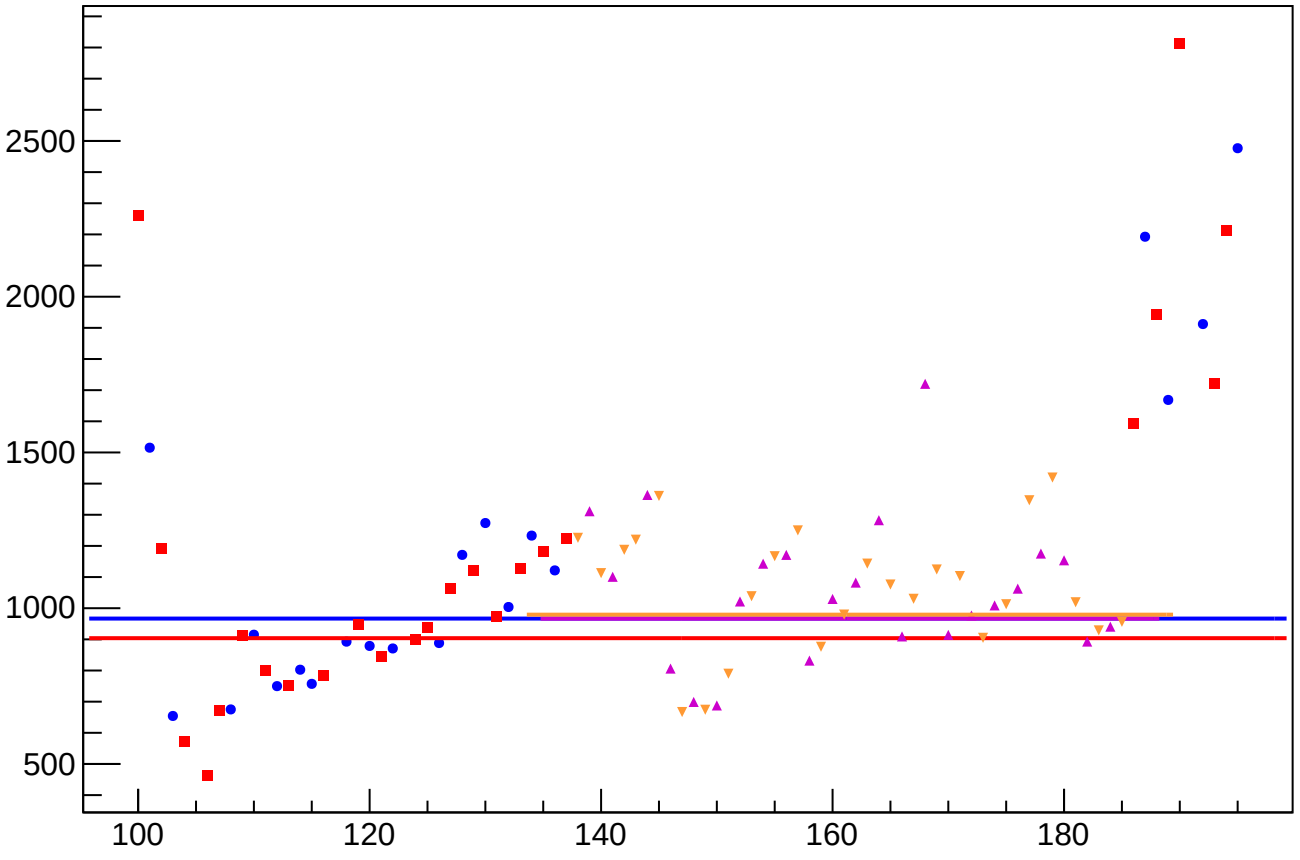
Right Out: 434.712+/-302.537 χ^2/NDF: 25.2/23

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -184.009+/-188.457 χ^2/NDF: 50.8/44

All: -7.460+/-131.675 χ^2/NDF: 91.9/91

\- sign 160.932+/-184.053 χ^2/NDF: 39.4/46



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: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

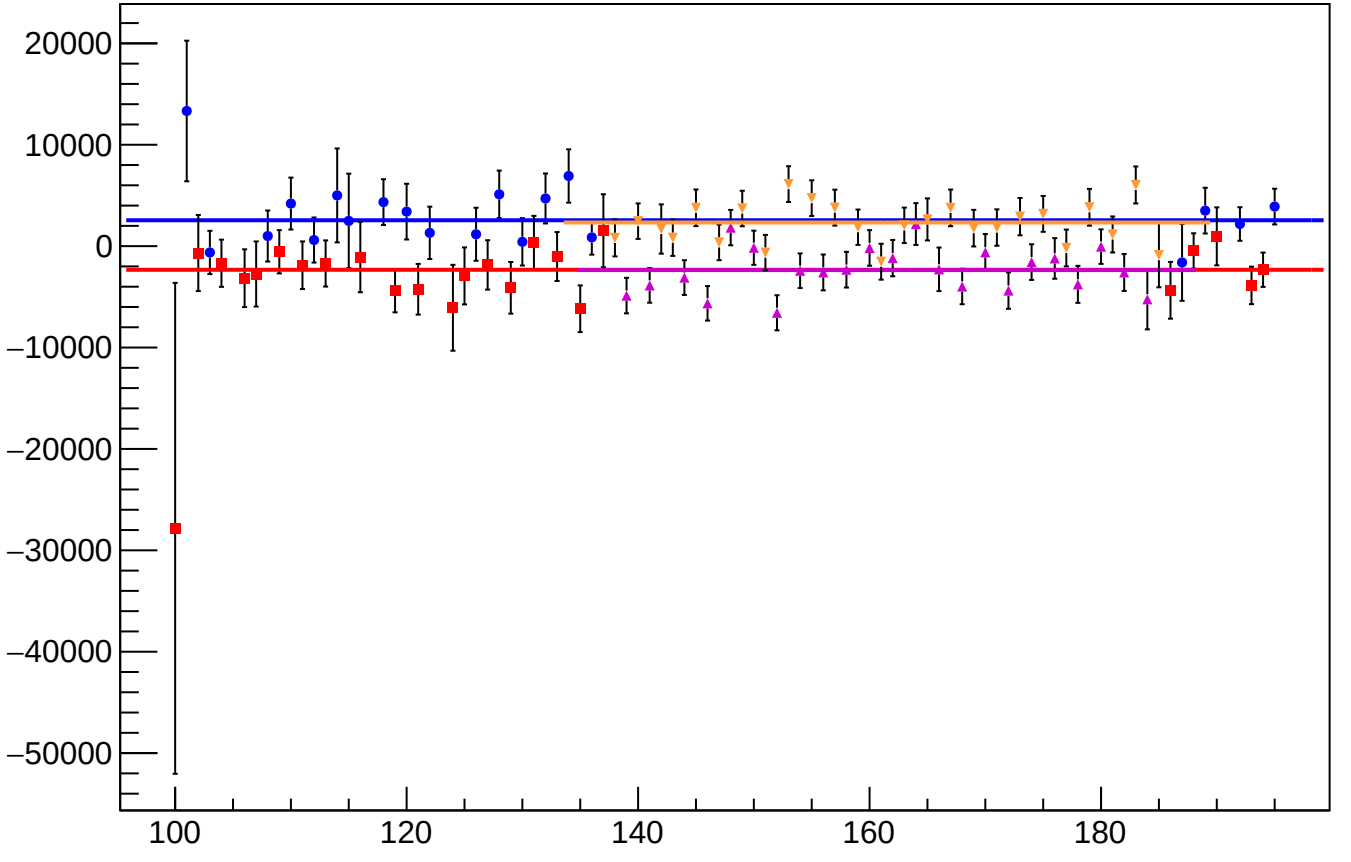
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 975.230+/-0.133 χ^2/NDF: 3929615.1/44

All: 958.897+/-0.093 χ^2/NDF: 8804713.4/91

- sign 943.318+/-0.130 χ^2/NDF: 4845746.9/46

dit_asym_usr_atr1_avg_mean vs Slug



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: -2331.778+/-510.029 χ^2/NDF: 14.3/23

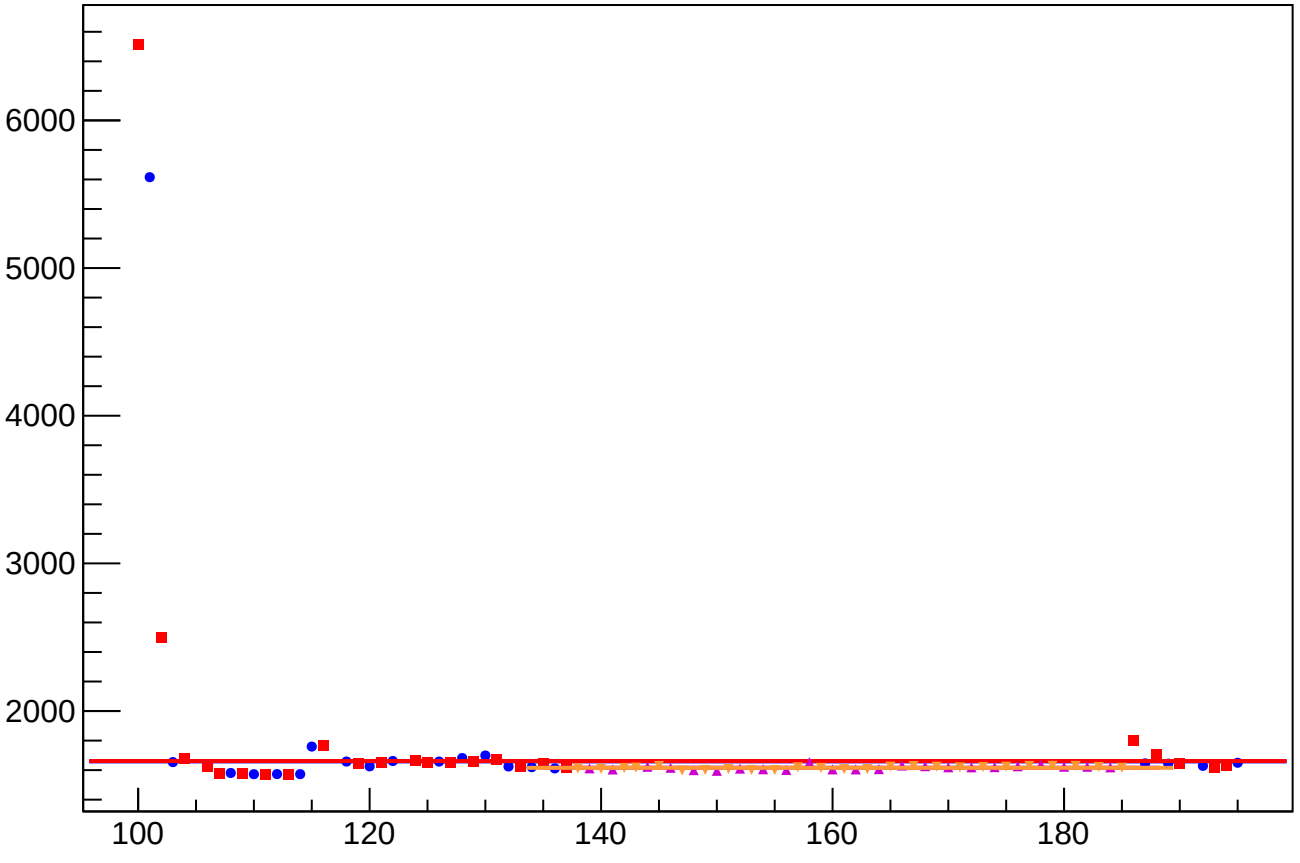
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2404.159+/-303.335 χ^2/NDF: 44.6/44

All: 27.301+/-214.505 χ^2/NDF: 215.7/91

- sign -2350.201+/-303.376 χ^2/NDF: 48.3/46

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

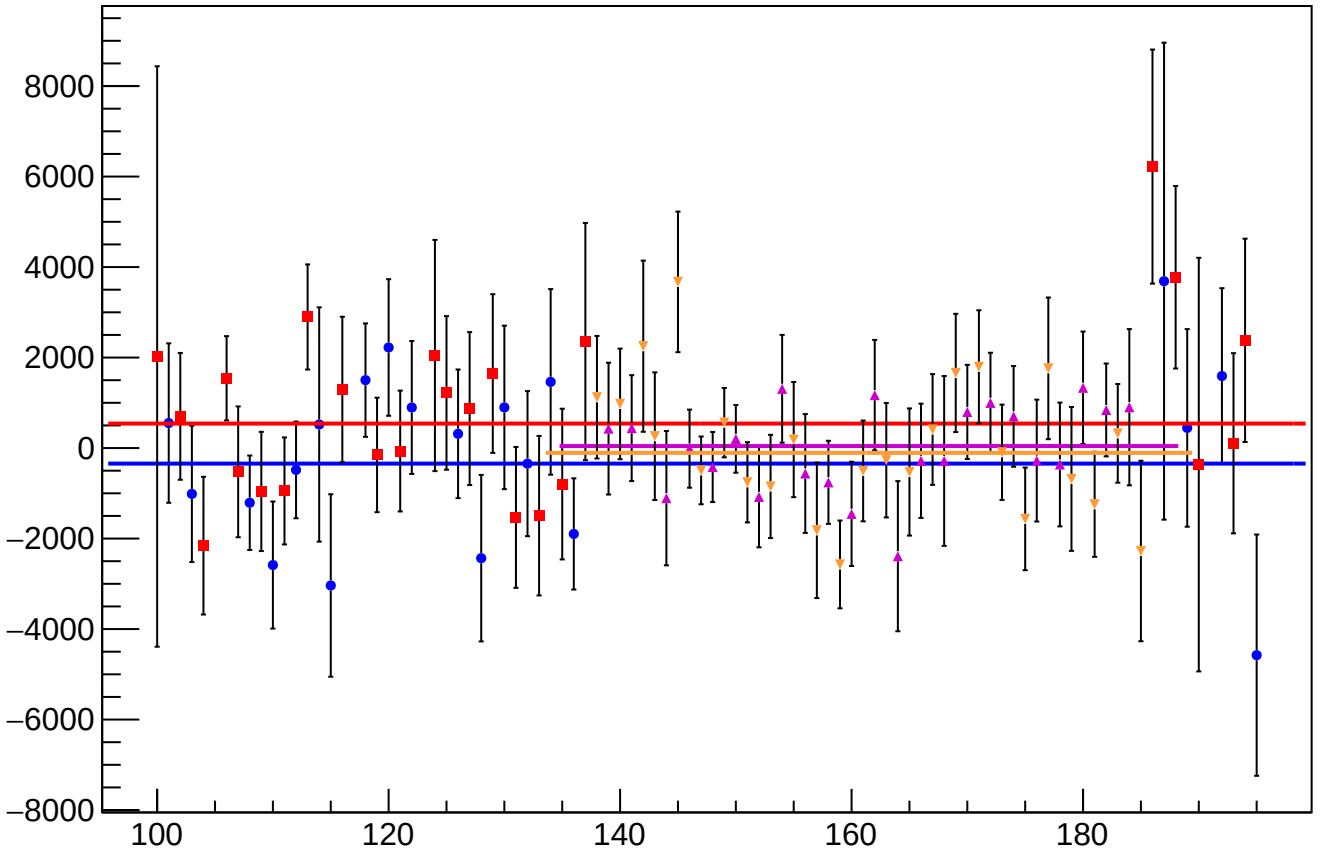
Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.7/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.425+/-0.214 χ^2/NDF: 674379.4/44

All: 1630.846+/-0.152 χ^2/NDF: 888508.2/91

- sign 1632.268+/-0.215 χ^2/NDF: 214041.0/46



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: 540.988+/-324.224 χ^2/NDF: 26.0/23

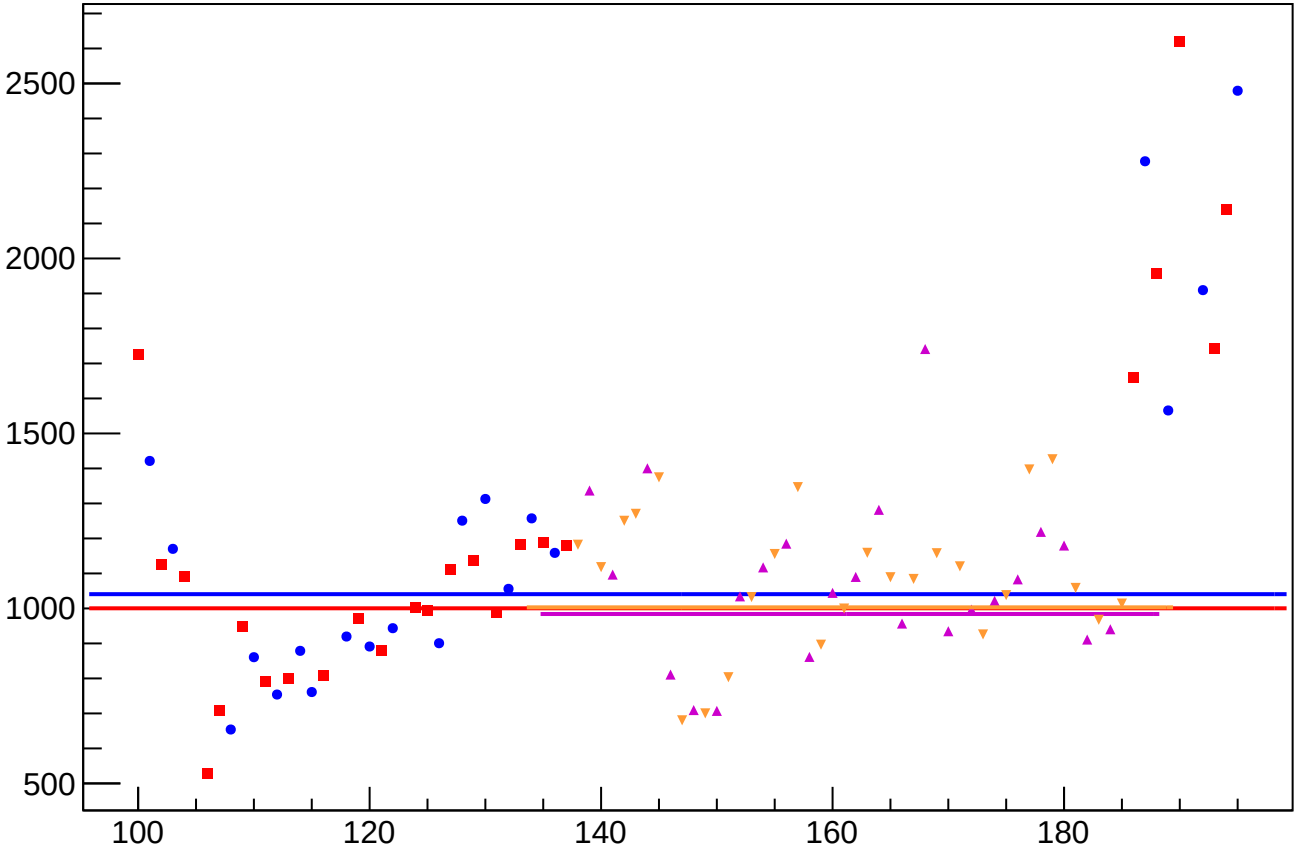
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -179.000+/-195.168 χ^2/NDF: 49.3/44

All: 23.199+/-136.384 χ^2/NDF: 91.7/91

- sign 216.174+/-190.664 χ^2/NDF: 40.3/46

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: 1000.371+/-0.229 χ^2/NDF: 2517149.6/23

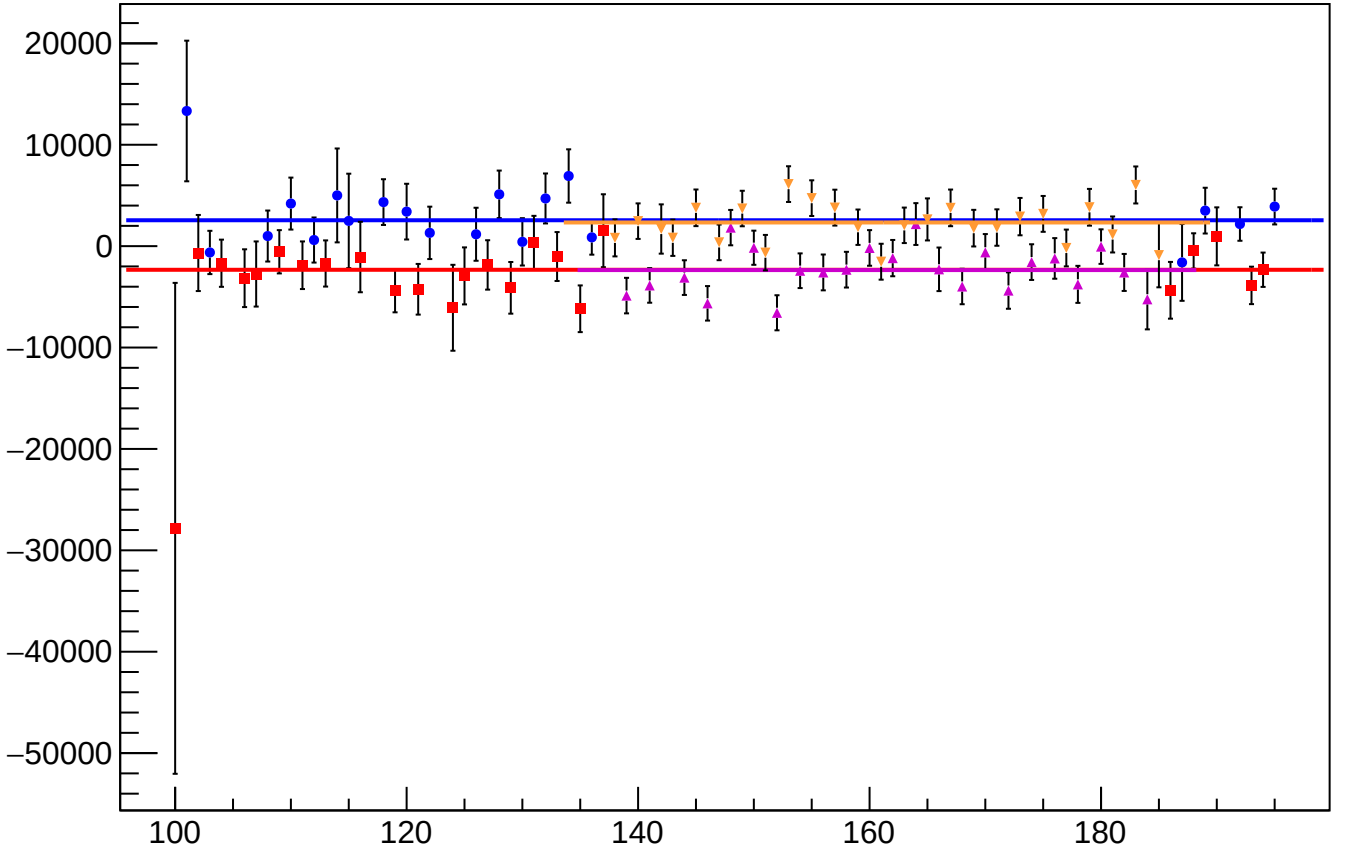
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1014.634+/-0.138 χ^2/NDF: 3607885.6/44

All: 1001.874+/-0.096 χ^2/NDF: 7704618.5/91

- sign 989.696+/-0.135 χ^2/NDF: 4080025.2/46

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: -2331.776+/-510.029 χ^2/NDF: 14.3/23

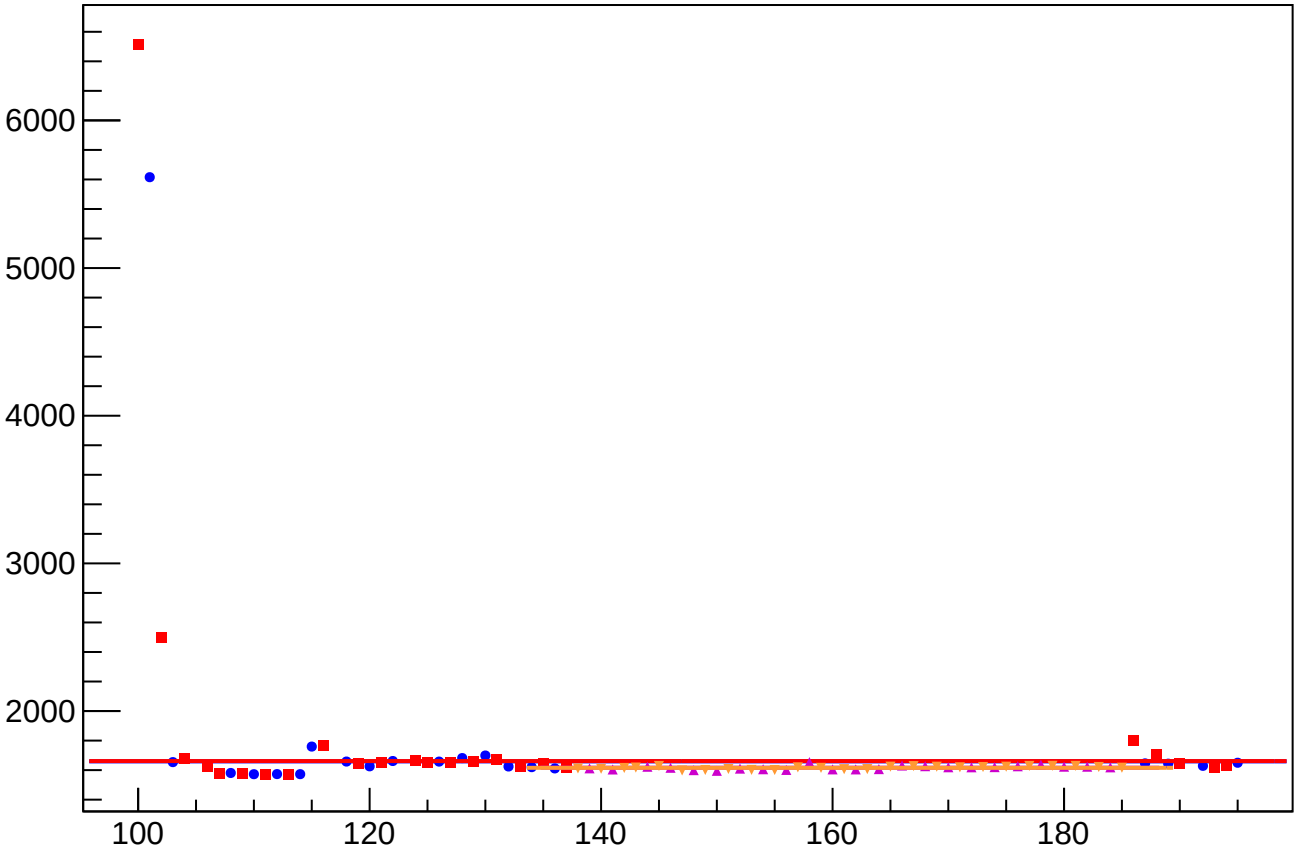
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2404.158+/-303.335 χ^2/NDF: 44.6/44

All: 27.301+/-214.505 χ^2/NDF: 215.7/91

- sign -2350.201+/-303.376 χ^2/NDF: 48.3/46

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

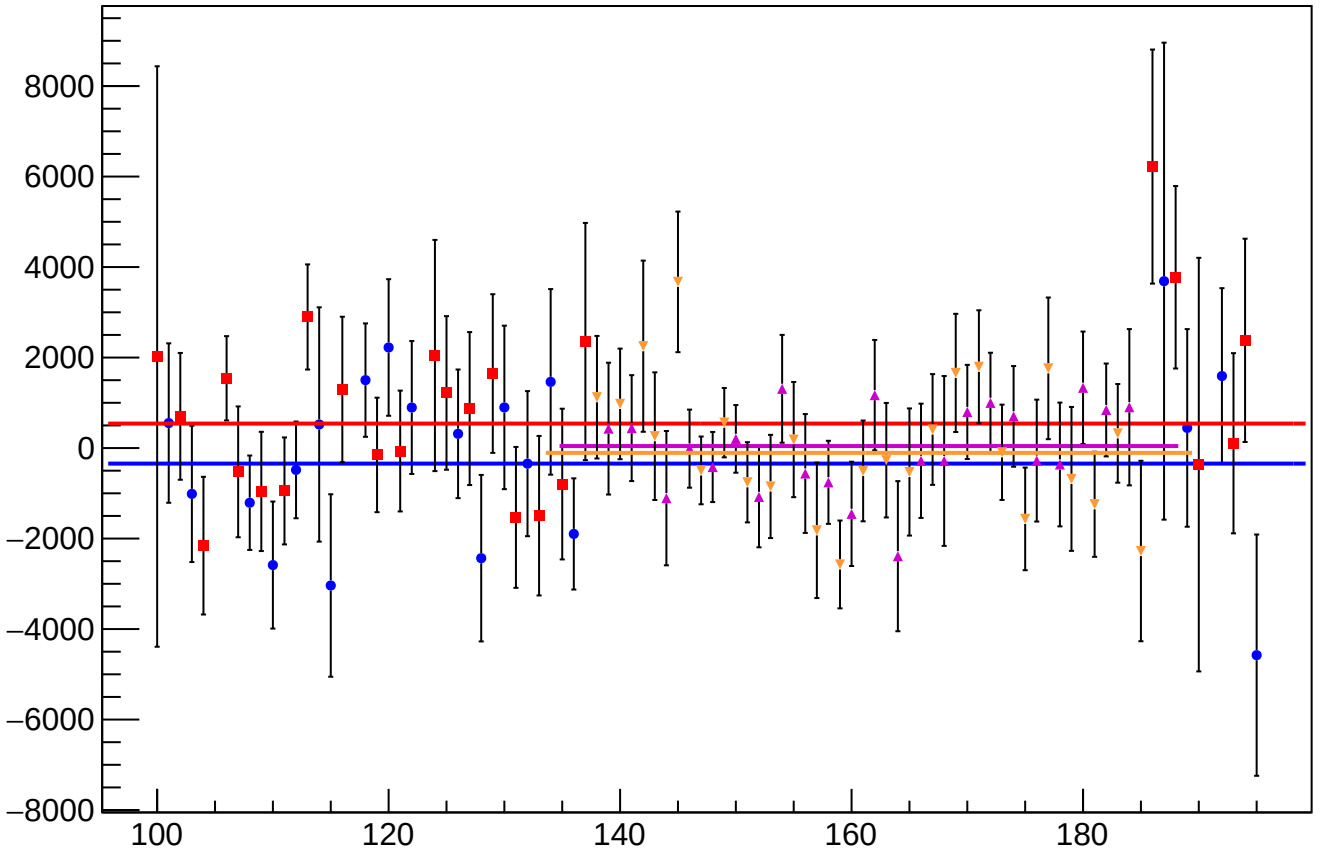
Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.5/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.425+/-0.214 χ^2/NDF: 674379.3/44

All: 1630.846+/-0.152 χ^2/NDF: 888508.0/91

- sign 1632.268+/-0.215 χ^2/NDF: 214040.8/46



Right In: -343.658+/-352.713 χ^2/NDF: 20.0/19

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

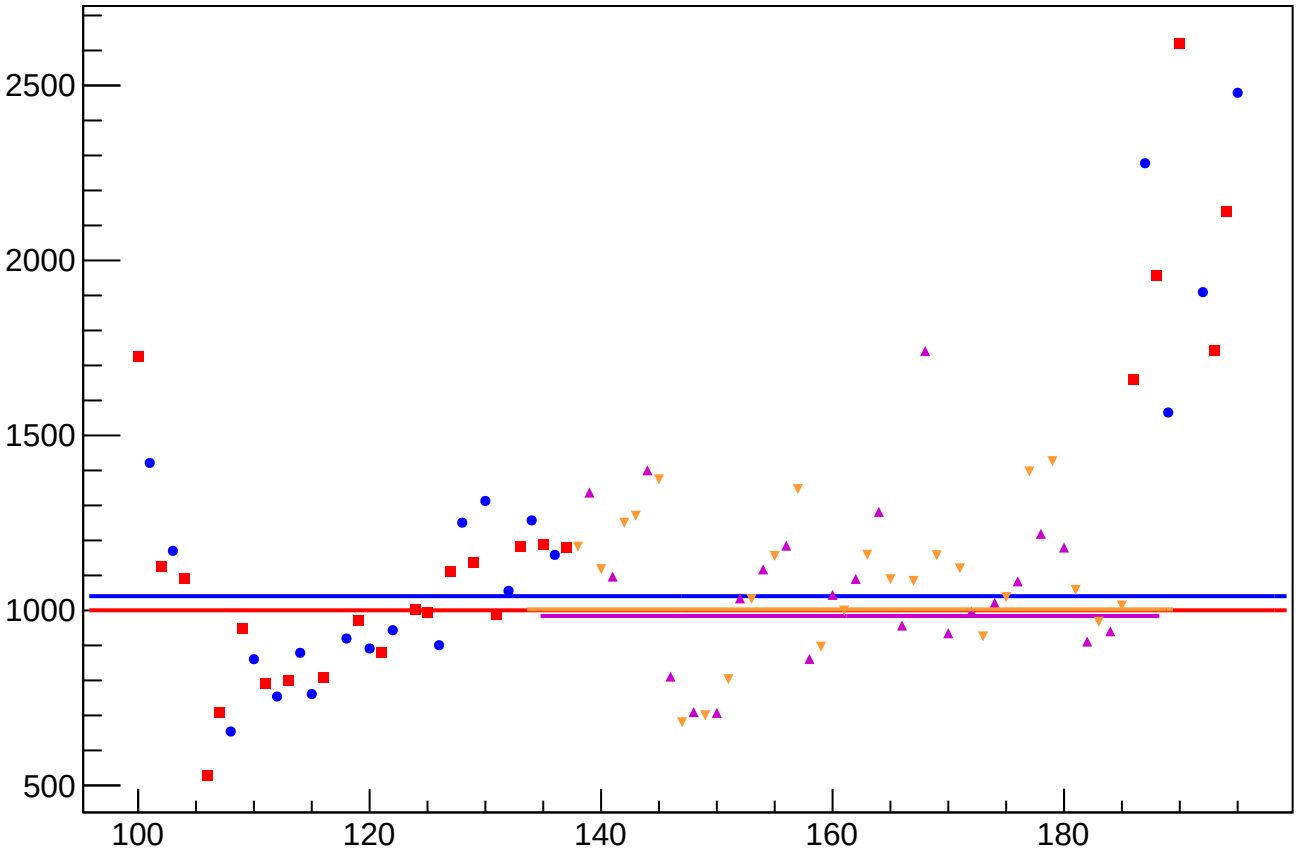
Right Out: 540.986+/-324.223 χ^2/NDF: 26.0/23

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -179.001+/-195.168 χ^2/NDF: 49.3/44

All: 23.199+/-136.384 χ^2/NDF: 91.7/91

- sign 216.174+/-190.664 χ^2/NDF: 40.3/46



Right In: 1040.765+/-0.249 χ^2/NDF: 1993662.8/19

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

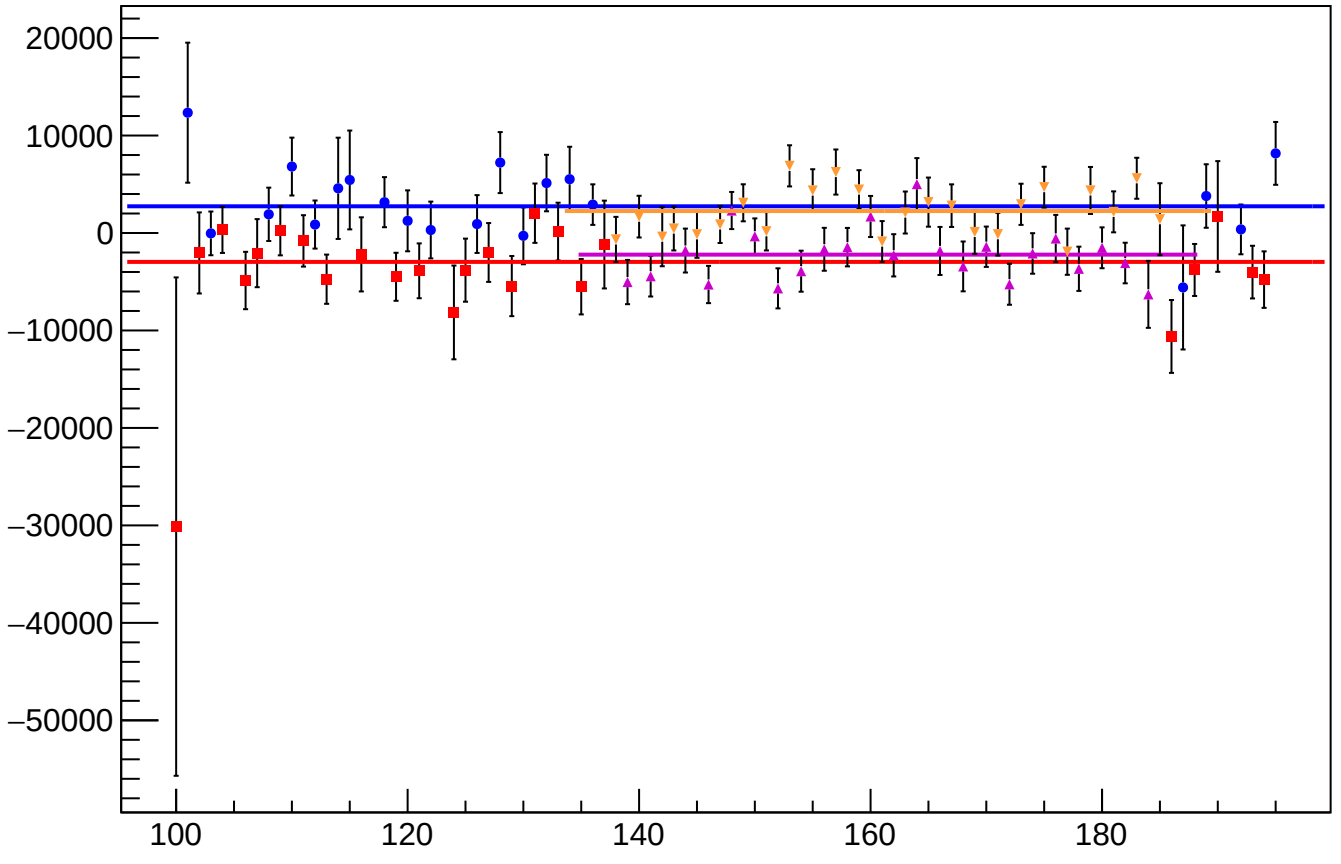
Right Out: 1000.369+/-0.229 χ^2/NDF: 2517158.6/23

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1014.634+/-0.138 χ^2/NDF: 3607902.0/44

All: 1001.875+/-0.096 χ^2/NDF: 7704644.0/91

- sign 989.697+/-0.135 χ^2/NDF: 4080034.5/46



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: -2964.299+/-632.101 χ^2/NDF: 19.1/23

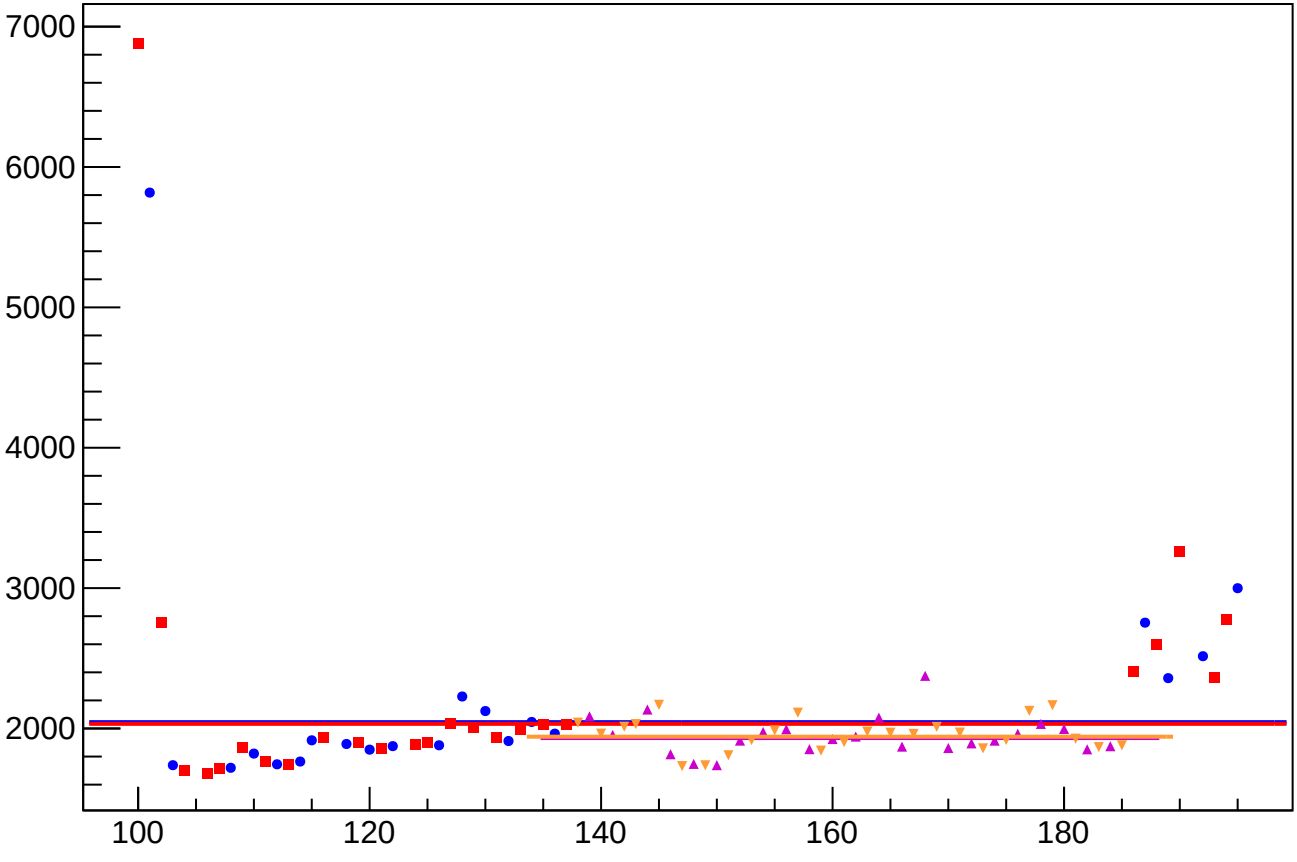
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2399.900+/-369.289 χ^2/NDF: 46.3/44

All: -45.548+/-260.607 χ^2/NDF: 185.2/91

- sign -2471.635+/-367.824 χ^2/NDF: 51.6/46

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

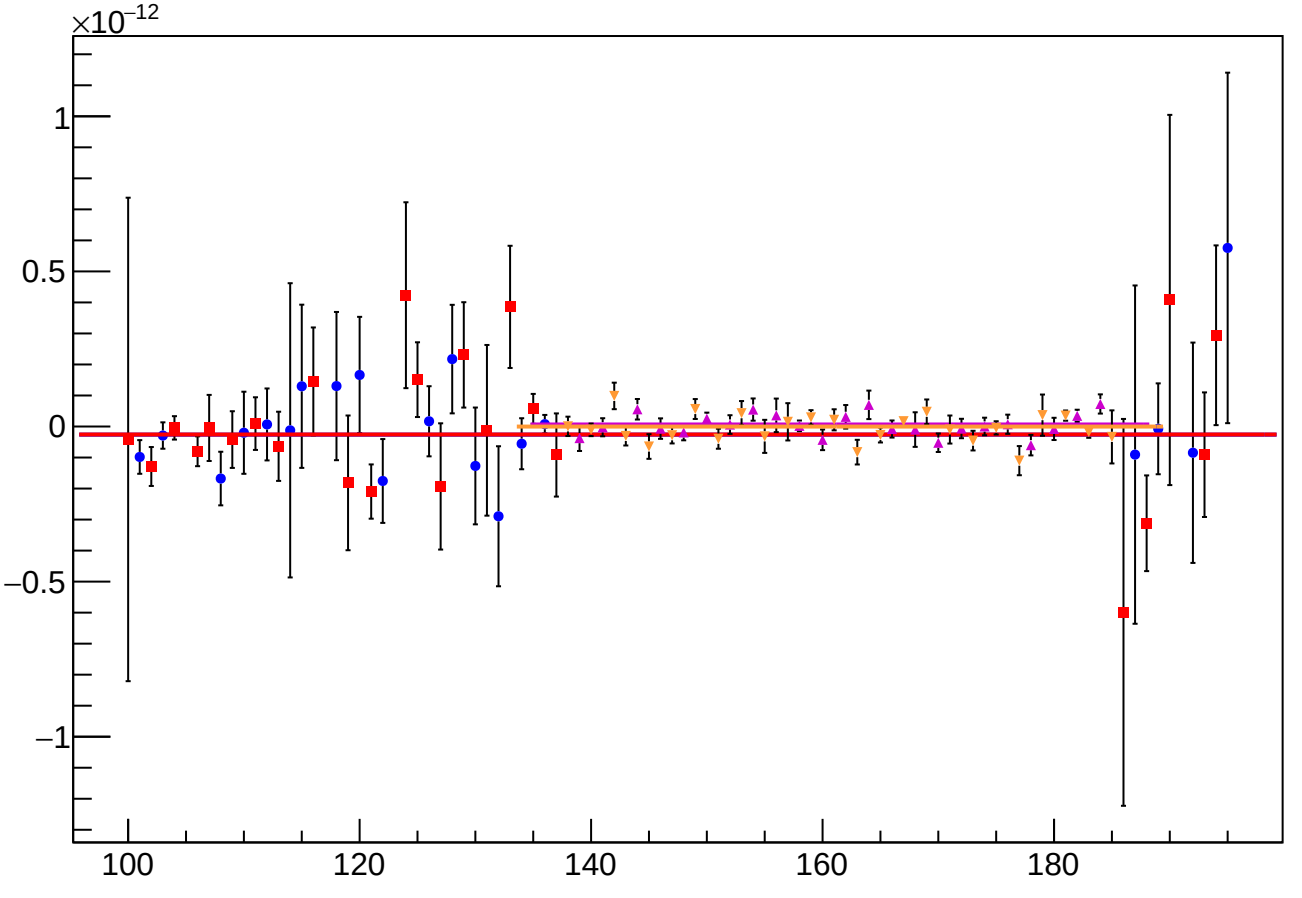
Right Out: 2033.066+/-0.447 χ^2/NDF: 662159.0/23

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1972.933+/-0.261 χ^2/NDF: 1167649.8/44

All: 1969.502+/-0.184 χ^2/NDF: 2023971.3/91

- sign 1966.098+/-0.260 χ^2/NDF: 855977.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

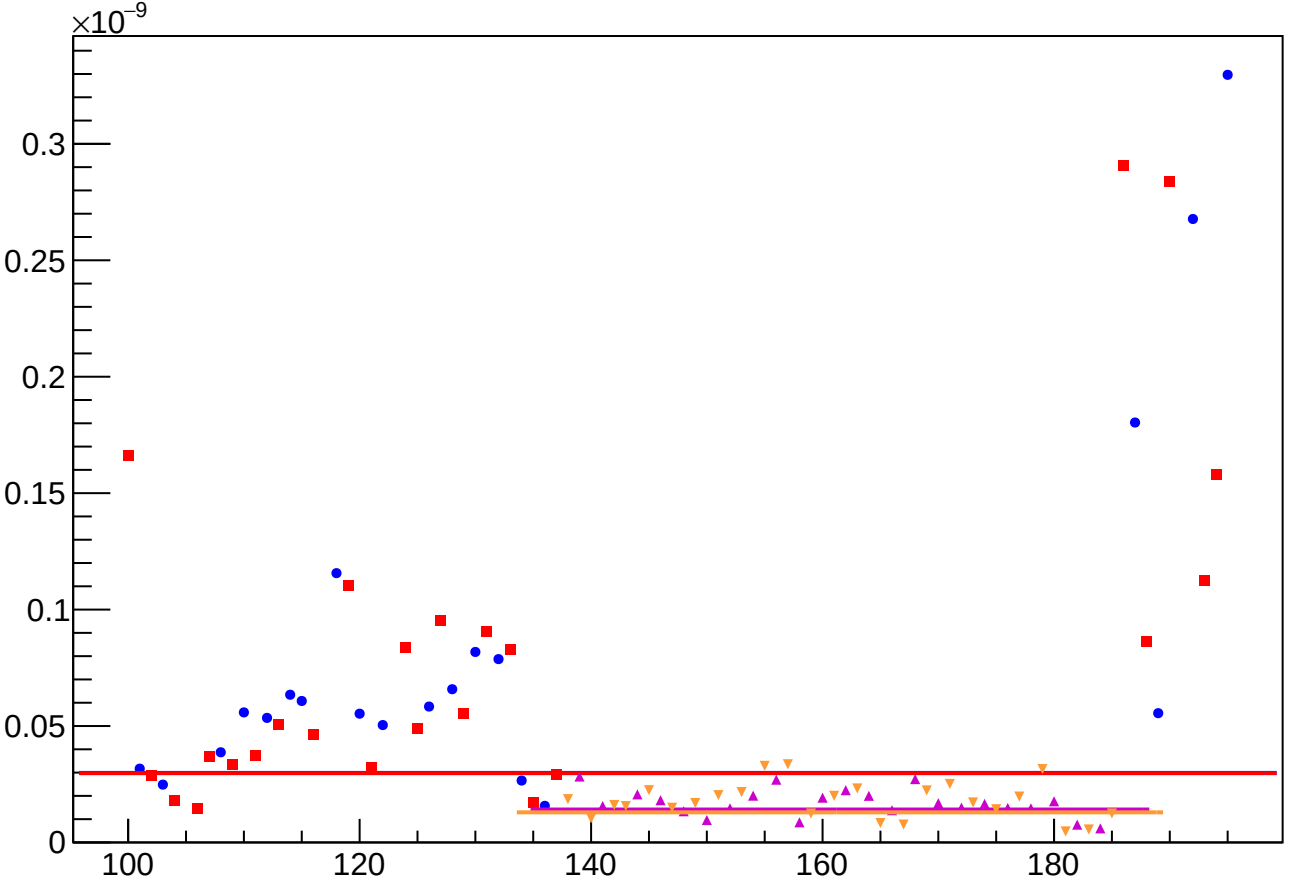
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/23

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: 118.2/91

- sign 0.000+/-0.000 χ^2/NDF: 61.7/46



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: 3310095.9/23

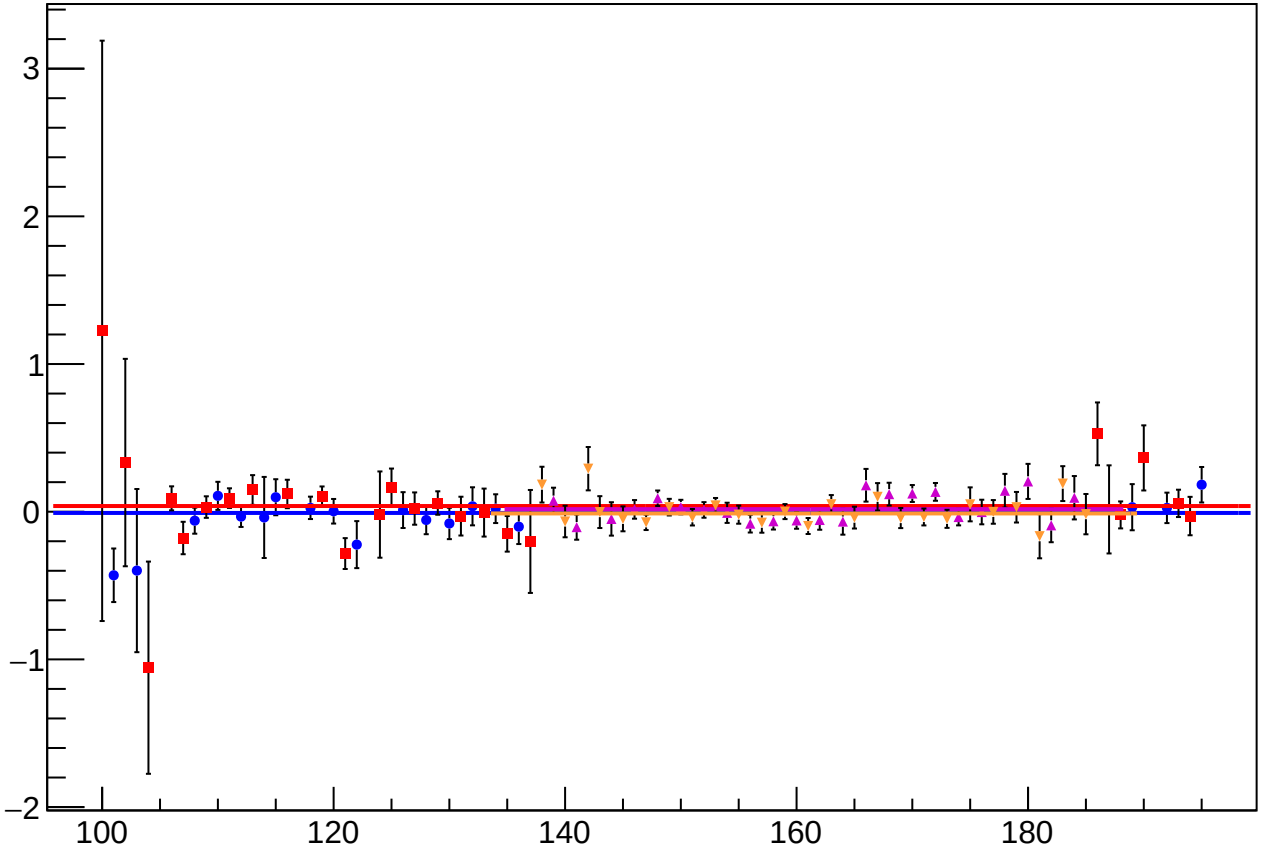
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7470629.1/44

All: 0.000+/-0.000 χ^2/NDF: 13571836.7/91

- sign 0.000+/-0.000 χ^2/NDF: 6050205.5/46

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: 32.6/23

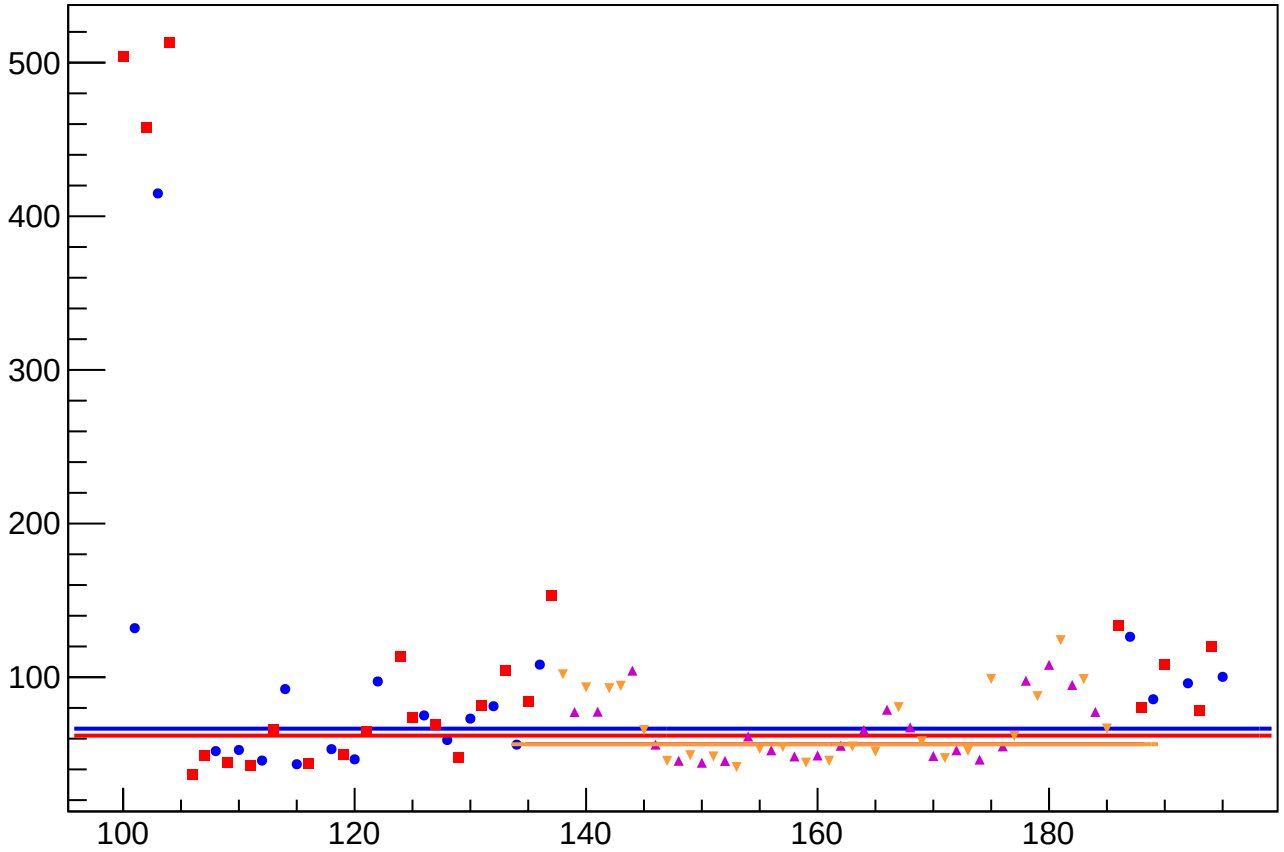
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/91

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46

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

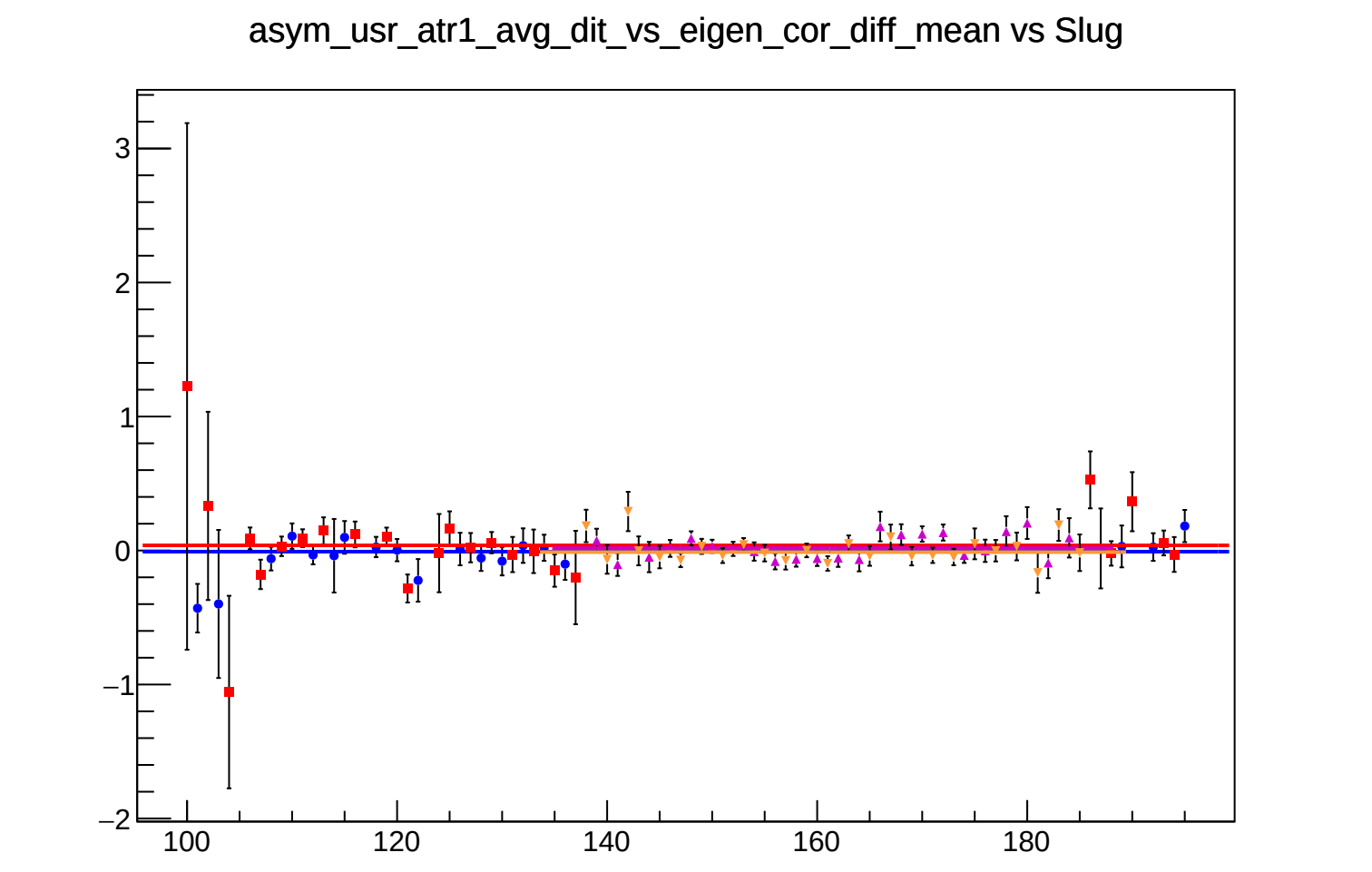
Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479876.8/44

All: 58.498+/-0.006 χ^2/NDF: 11282449.8/91

- sign 58.094+/-0.009 χ^2/NDF: 5798093.2/46



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

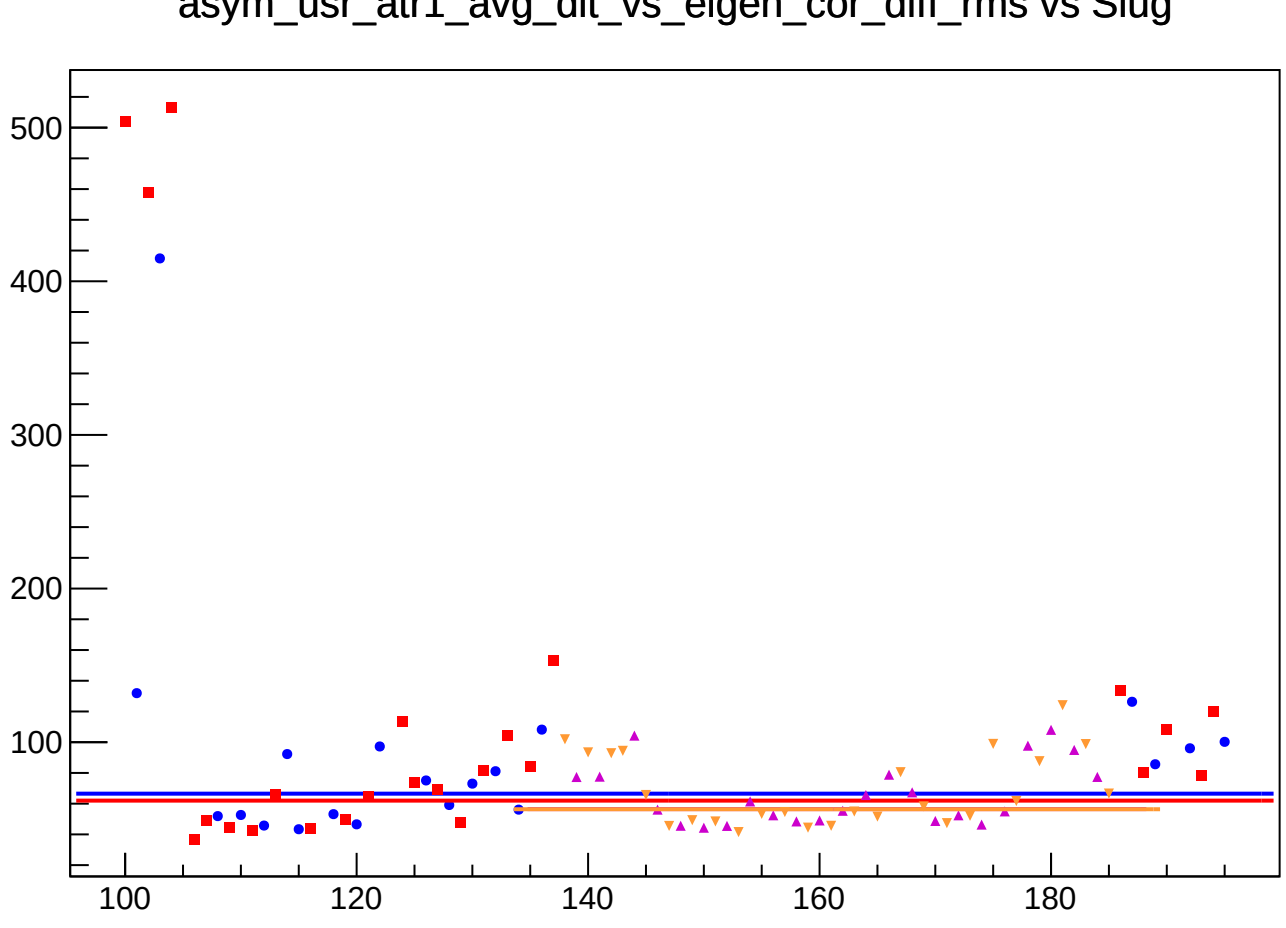
Right Out: 0.038+/-0.022 χ^2/NDF: 32.6/23

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: 104.6/91

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46



Right In: 66.511+/-0.017 χ^2/NDF: 2431053.5/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

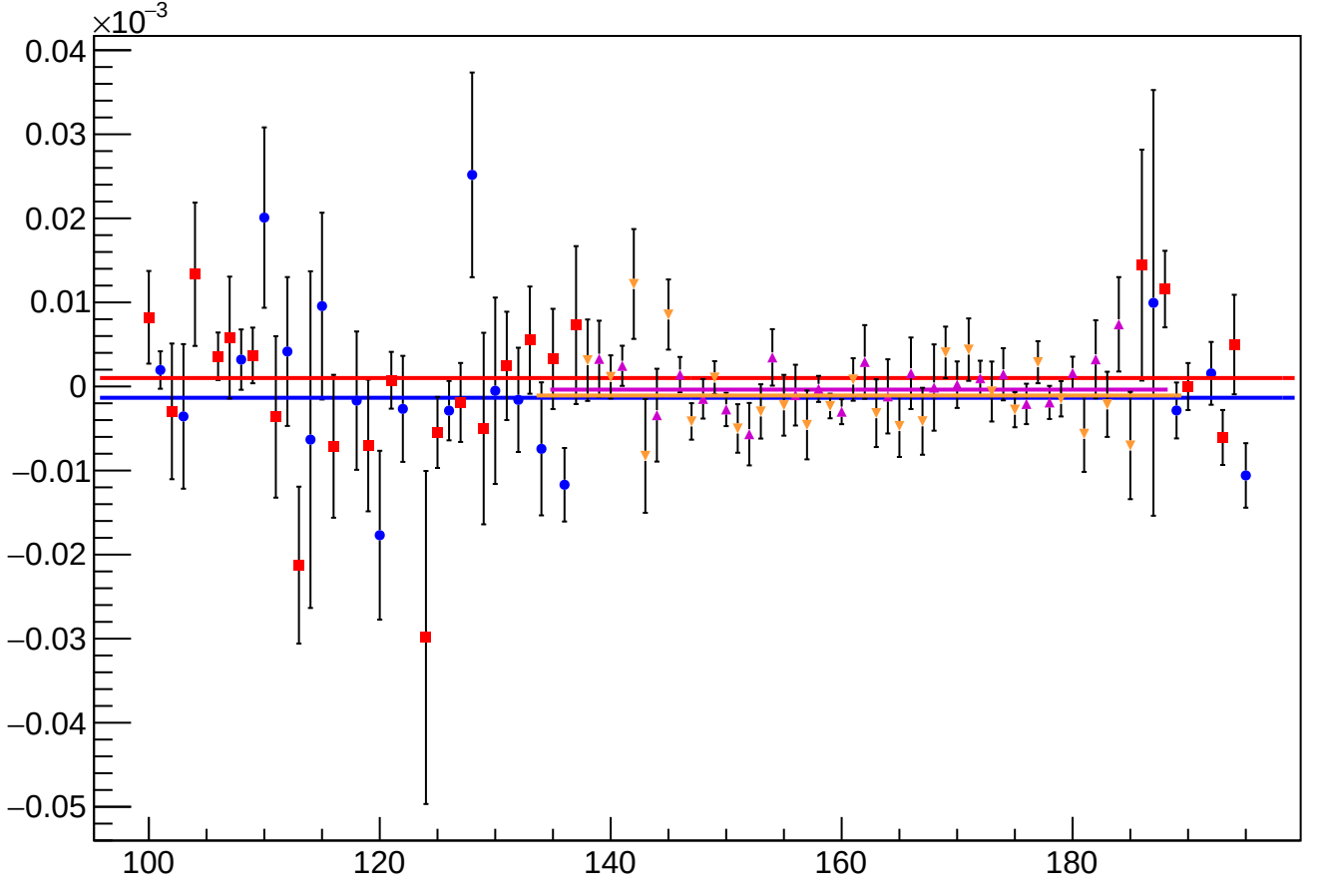
Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479876.8/44

All: 58.498+/-0.006 χ^2/NDF: 11282449.8/91

- sign 58.094+/-0.009 χ^2/NDF: 5798093.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

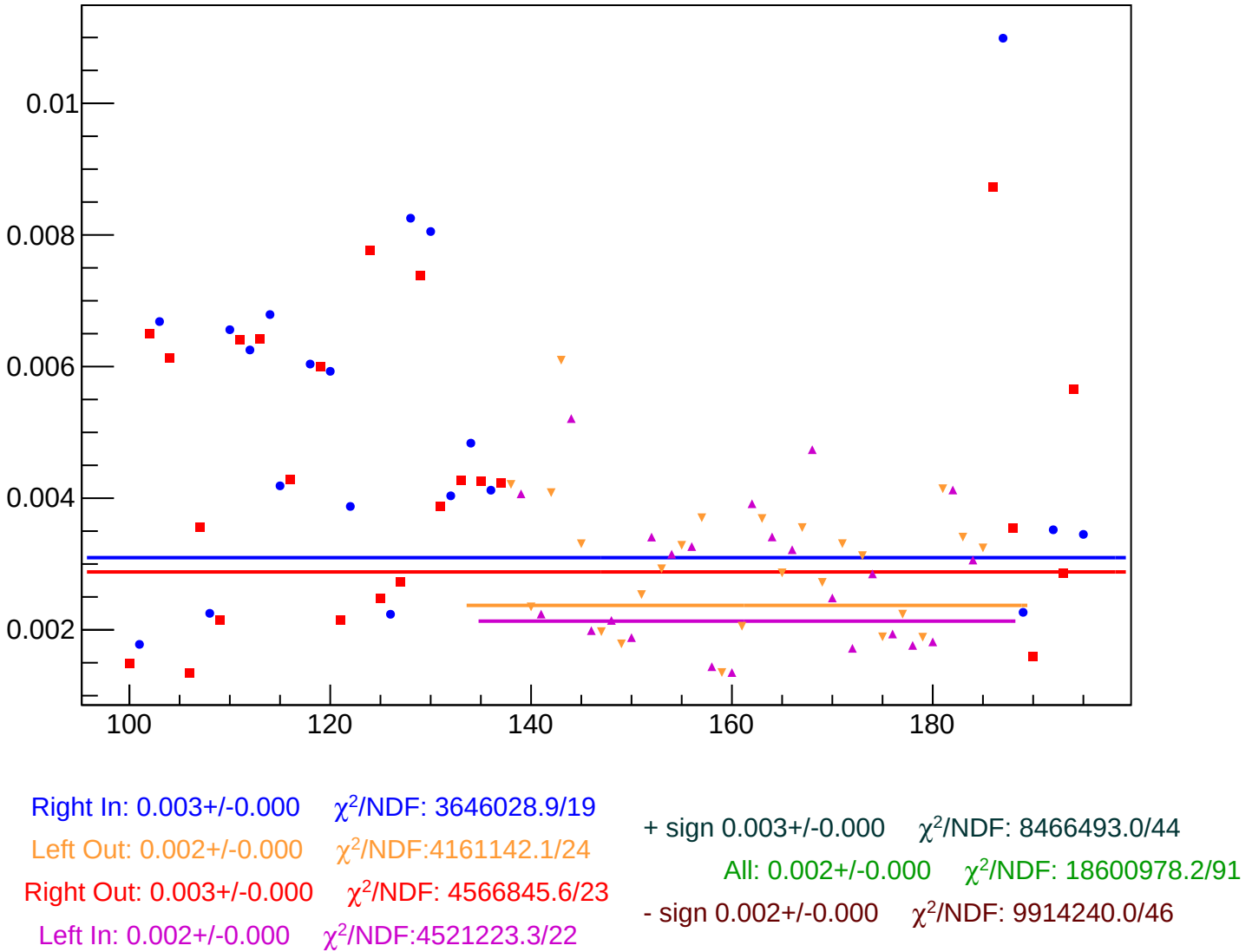
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/23

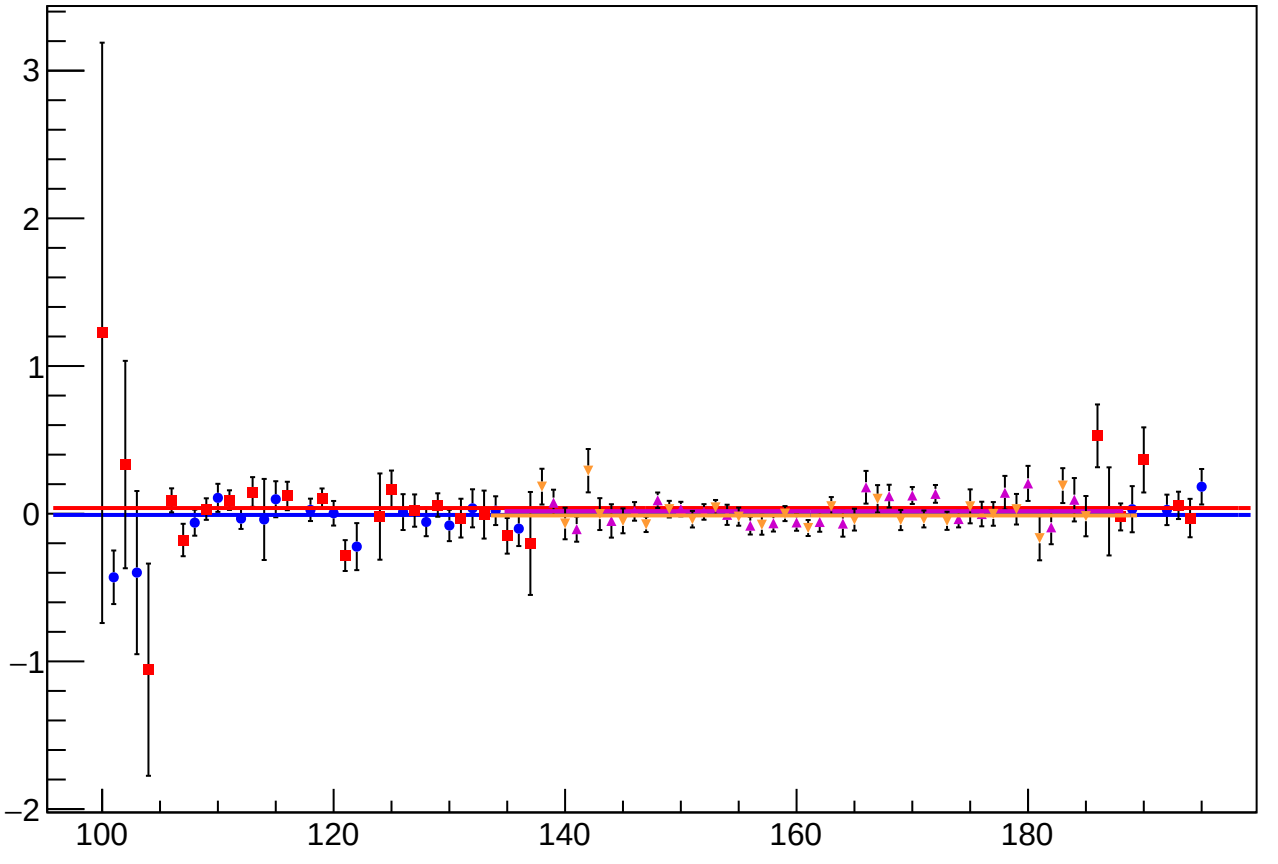
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.5/44

All: -0.000+/-0.000 χ^2/NDF: 114.7/91

- sign -0.000+/-0.000 χ^2/NDF: 51.0/46


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 3646028.9/19
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 4566845.6/23
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8466493.0/44
All: 0.002+/-0.000 χ²/NDF: 18600978.2/91
- sign 0.002+/-0.000 χ²/NDF: 9914240.0/46



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: 32.6/23

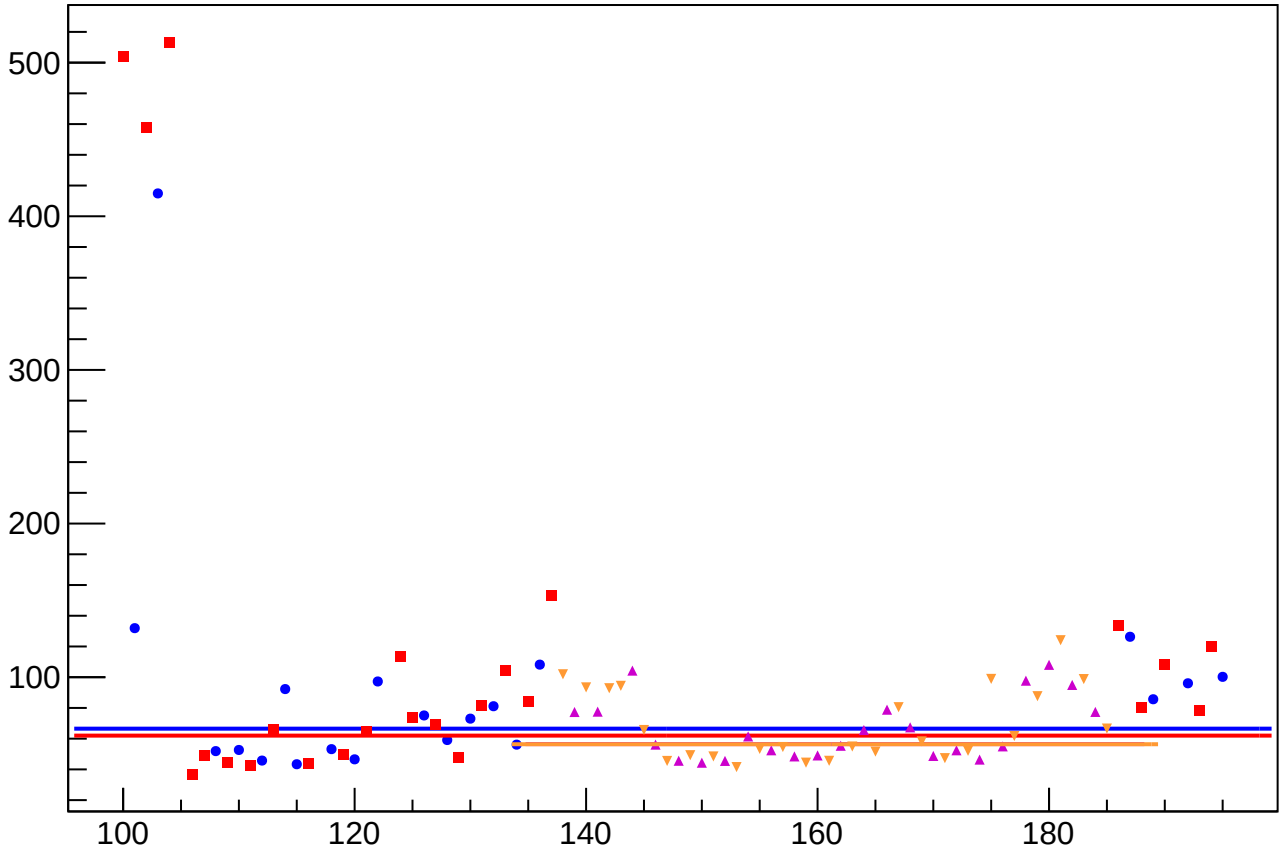
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 36.8/44

All: 0.007+/-0.009 χ^2/NDF: 104.6/91

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46

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

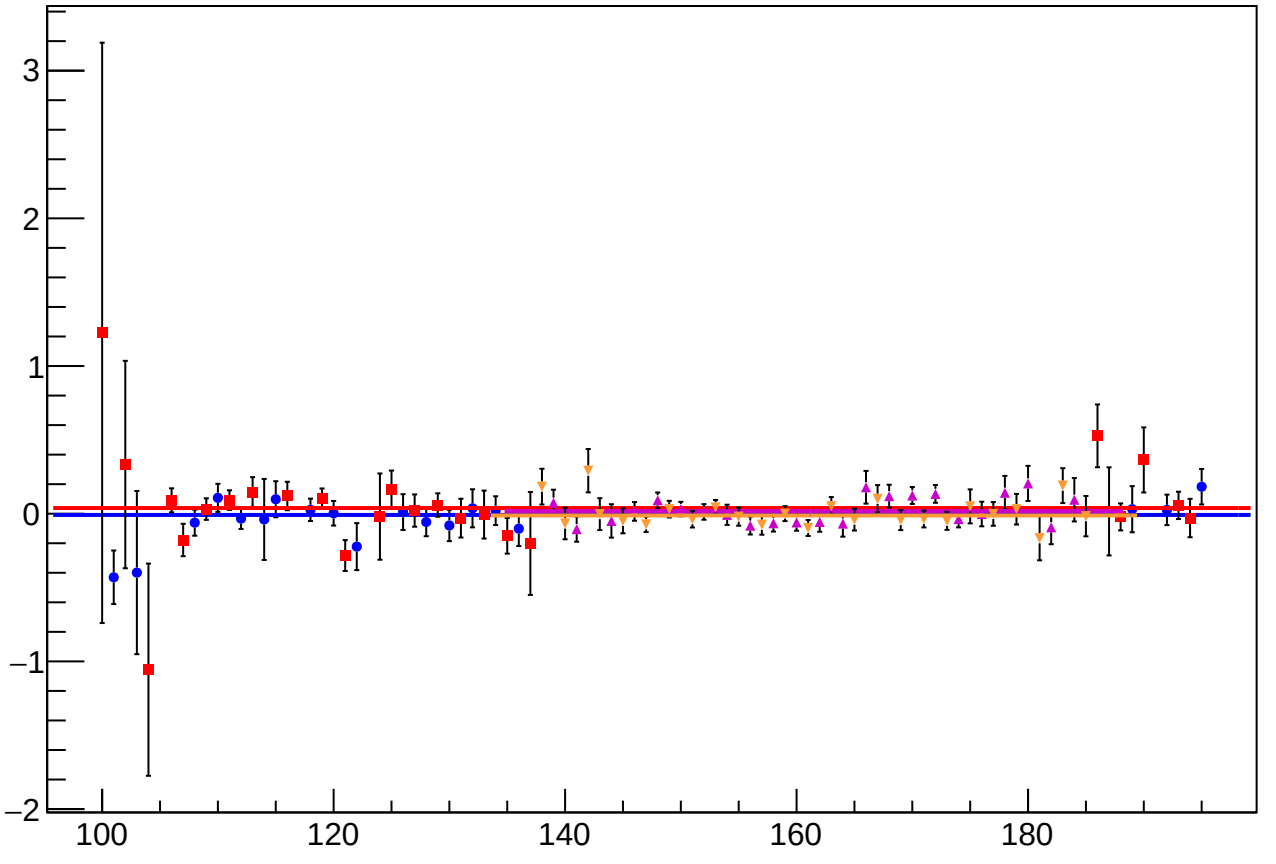
Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479883.4/44

All: 58.498+/-0.006 χ^2/NDF: 11282433.9/91

- sign 58.094+/-0.009 χ^2/NDF: 5798069.1/46



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

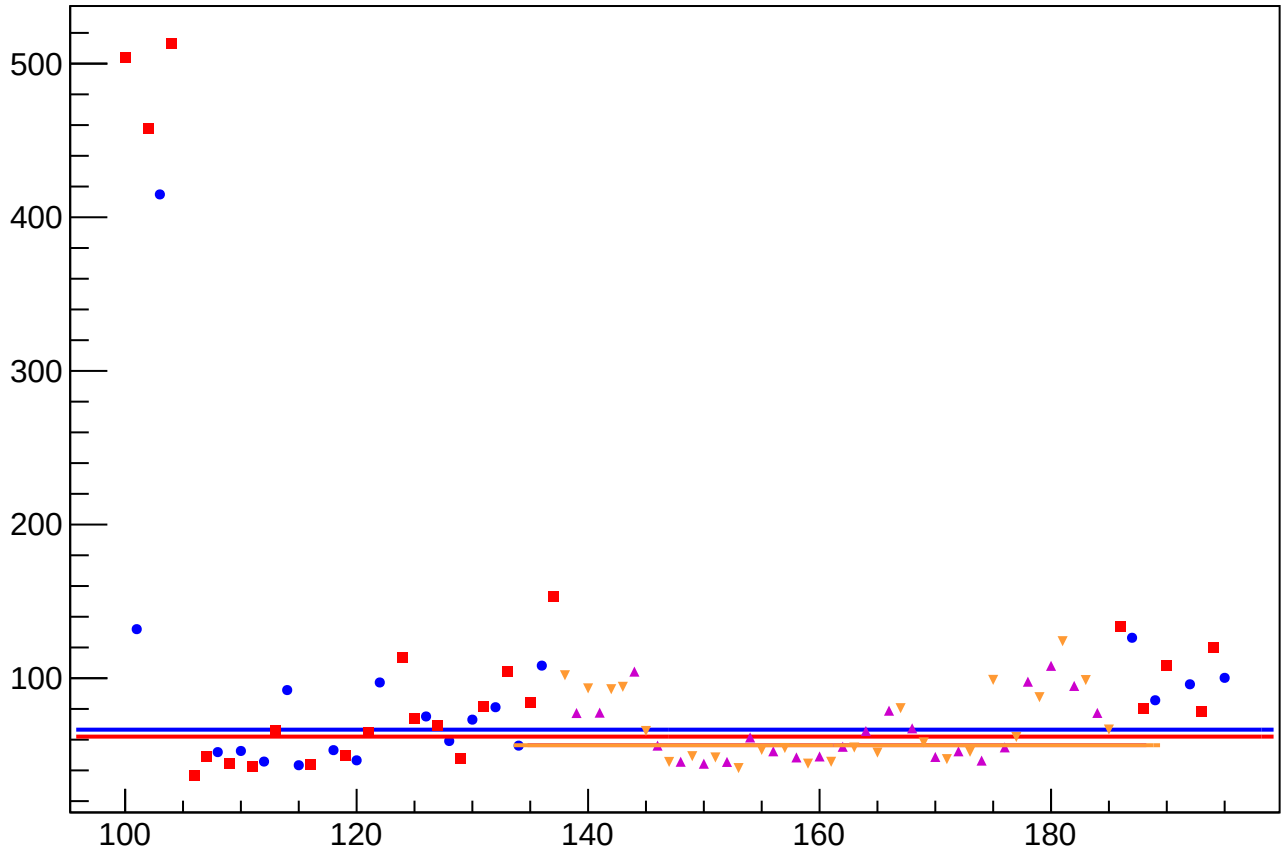
Right Out: 0.038+/-0.022 χ^2/NDF: 32.6/23

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: 104.6/91

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46



Right In: 66.510+/-0.017 χ^2/NDF: 2431025.8/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

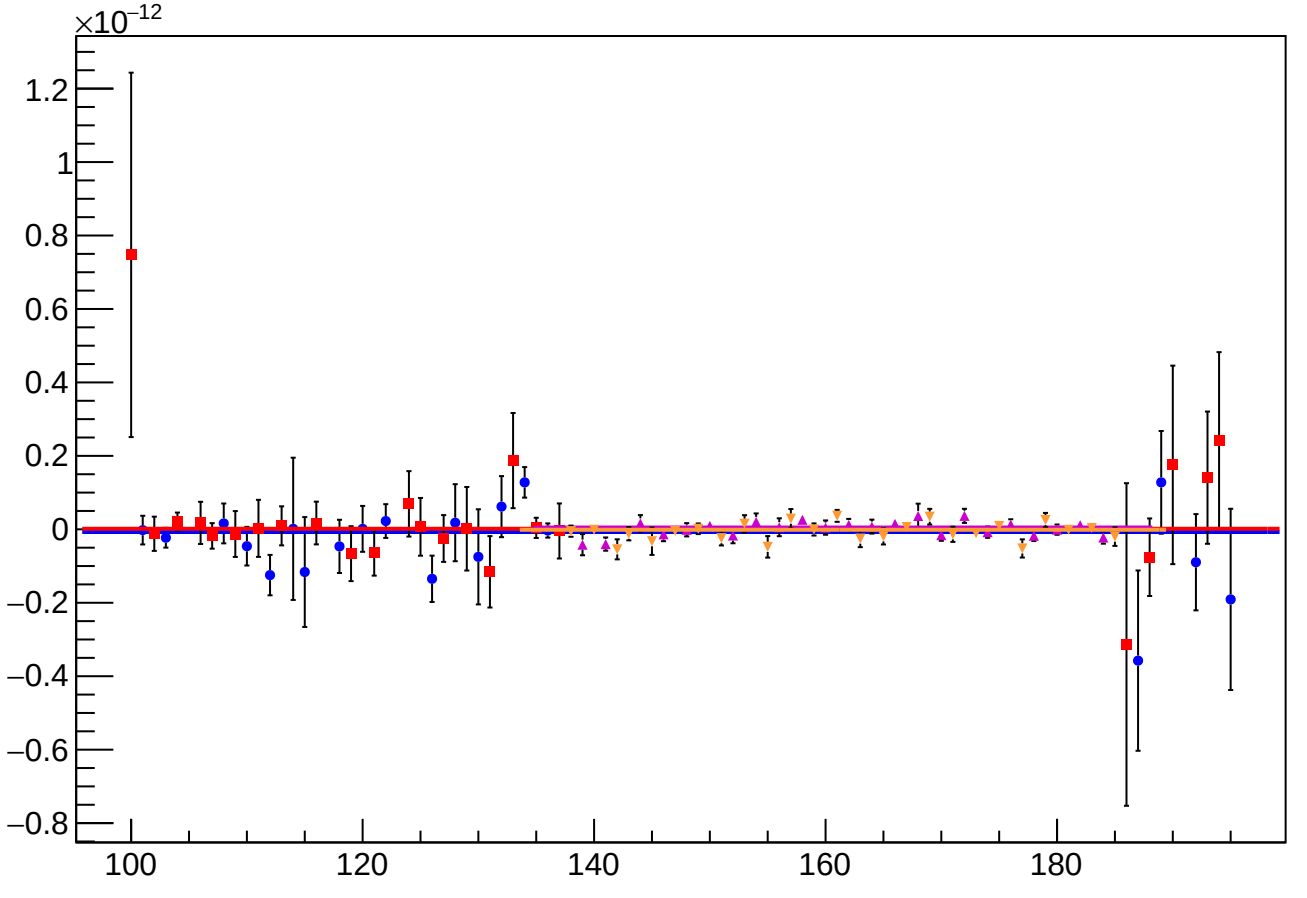
Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.916+/-0.009 χ^2/NDF: 5479883.4/44

All: 58.498+/-0.006 χ^2/NDF: 11282433.9/91

- sign 58.094+/-0.009 χ^2/NDF: 5798069.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

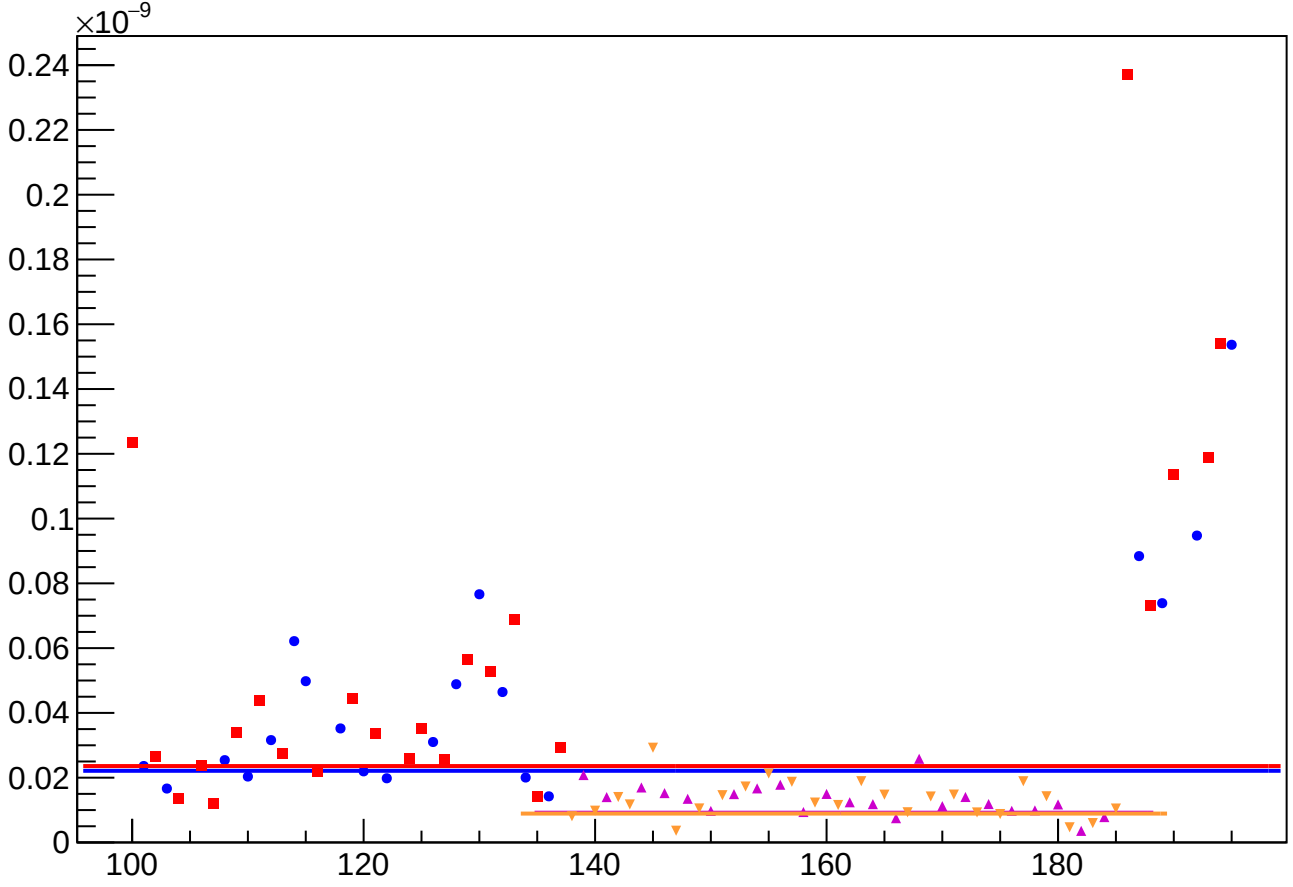
Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/23

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: 100.1/91

- sign 0.000+/-0.000 χ^2/NDF: 41.2/46



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: 4233998.7/23

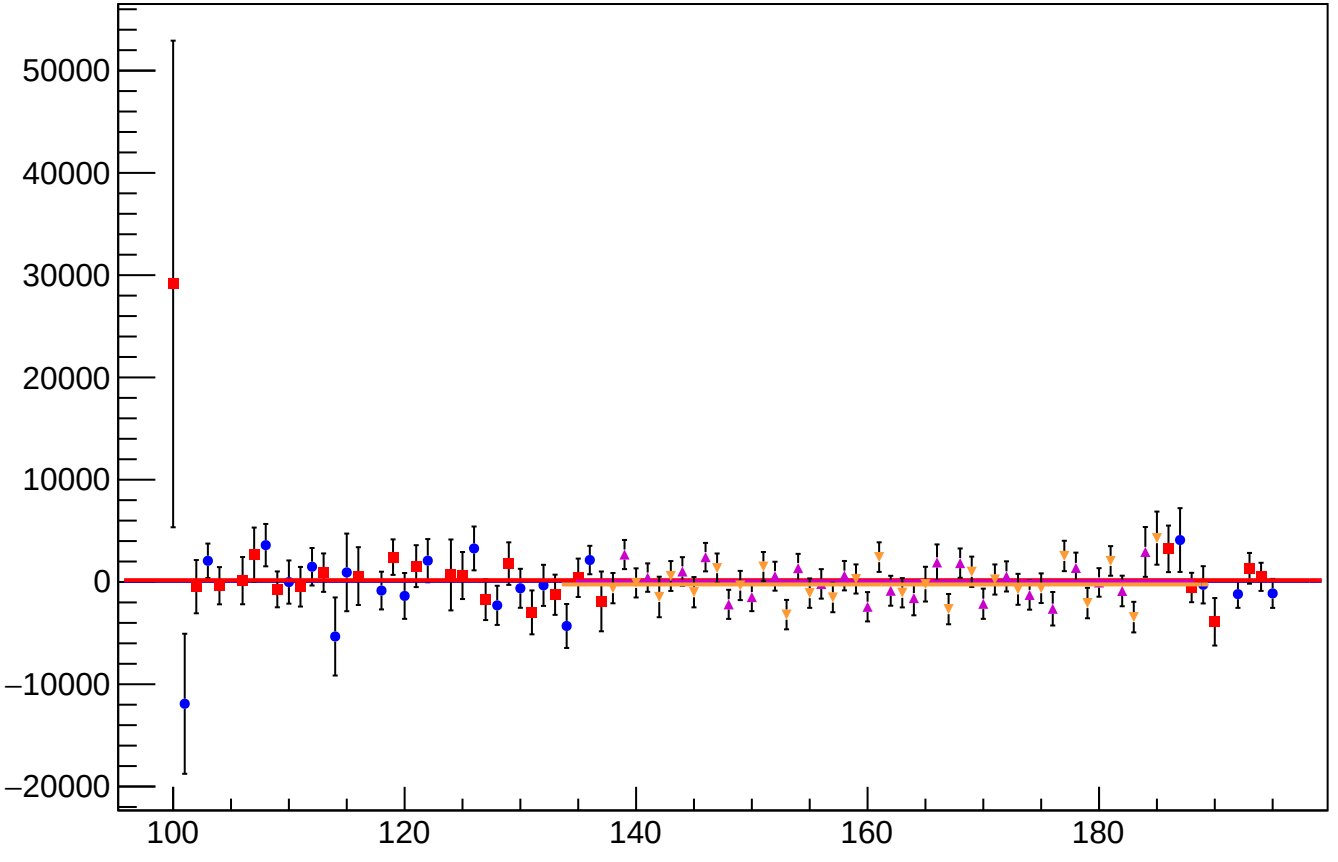
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10678721.7/44

All: 0.000+/-0.000 χ^2/NDF: 22816736.5/91

\- sign 0.000+/-0.000 χ^2/NDF: 12126285.6/46

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: 173.031+/-414.565 χ^2/NDF: 15.8/23

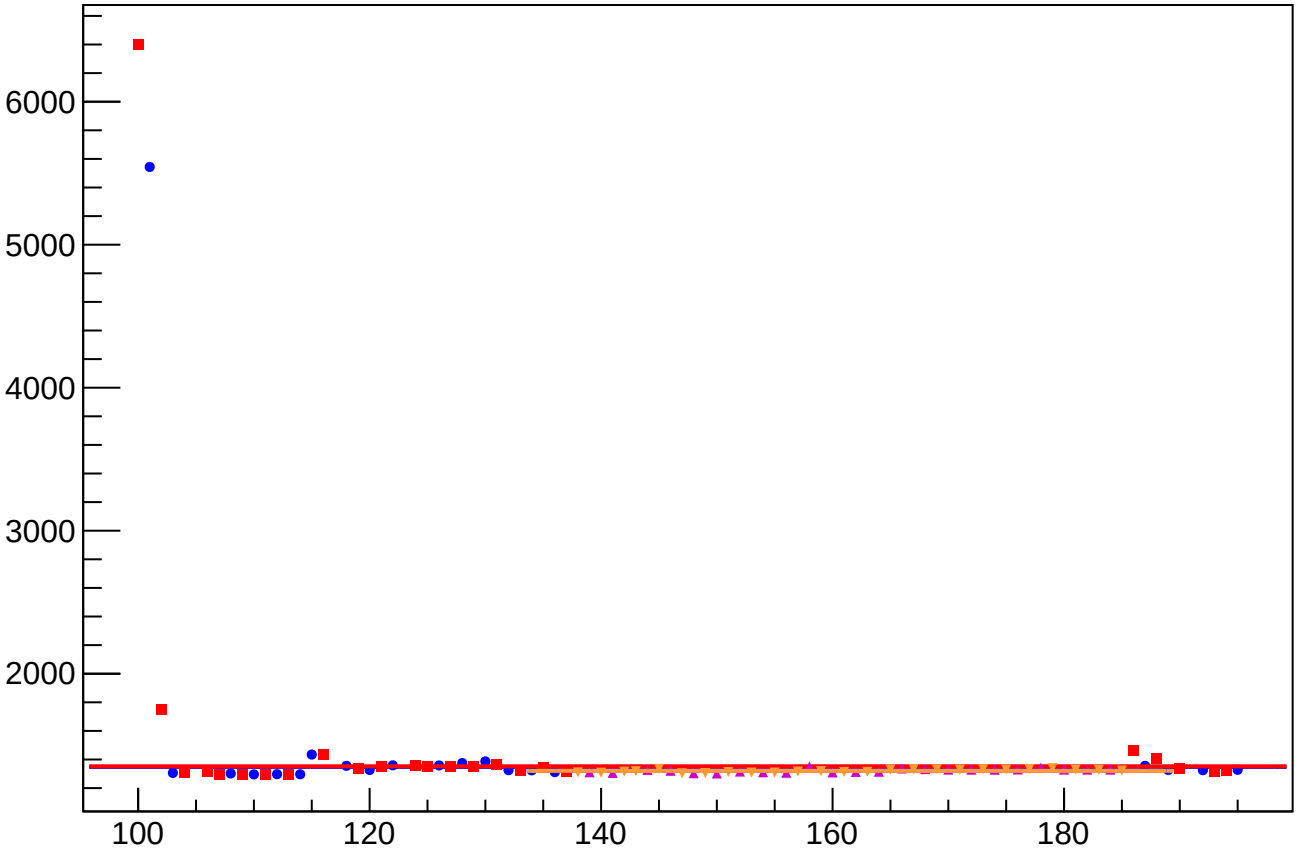
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -130.576+/-247.725 χ^2/NDF: 57.3/44

All: -21.777+/-175.108 χ^2/NDF: 100.6/91

- sign 86.872+/-247.556 χ^2/NDF: 42.9/46

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: 1352.390+/-0.293 χ^2/NDF: 157203.3/23

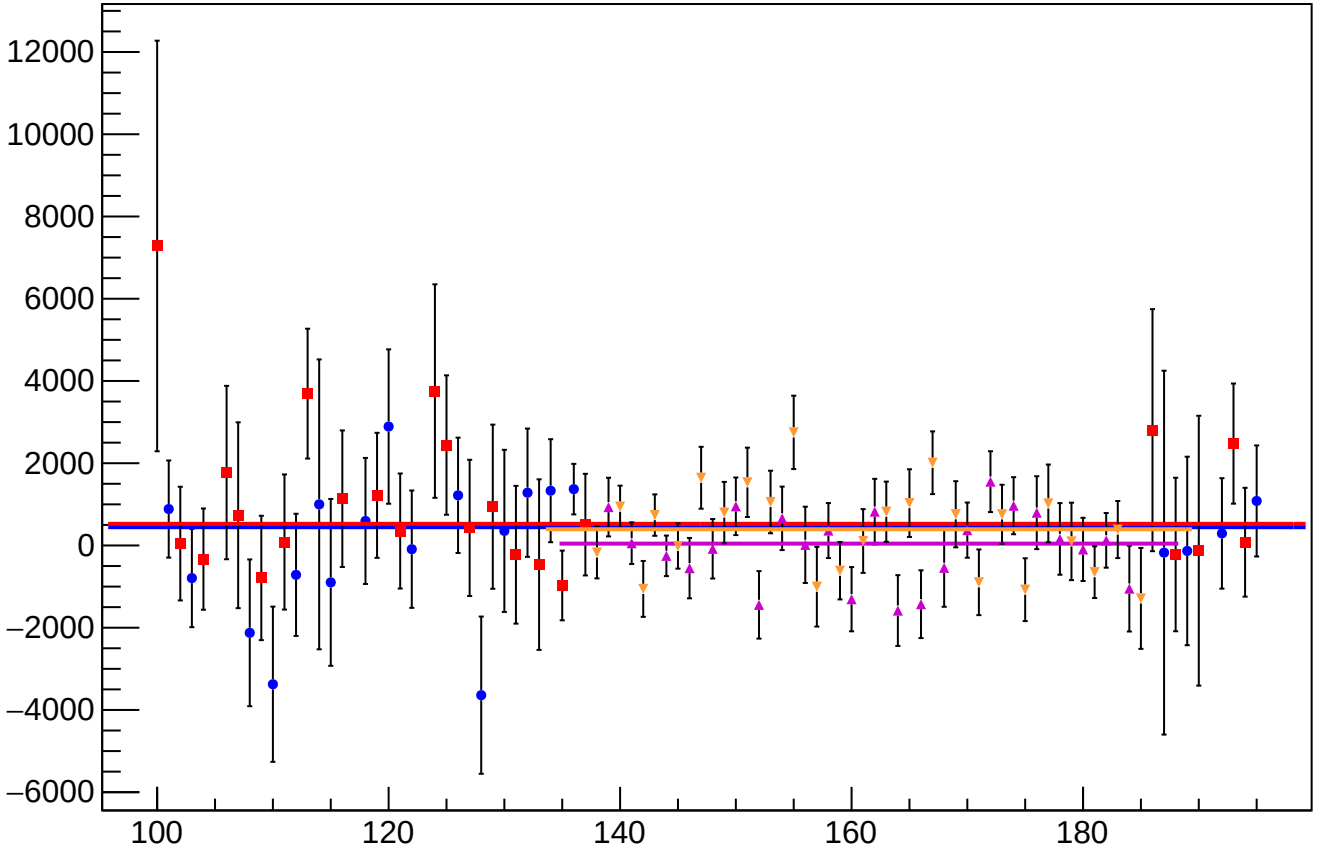
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770135.6/44

All: 1331.157+/-0.124 χ^2/NDF: 938061.3/91

- sign 1332.696+/-0.175 χ^2/NDF: 167770.8/46

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: 526.366+/-325.404 χ^2/NDF: 17.1/23

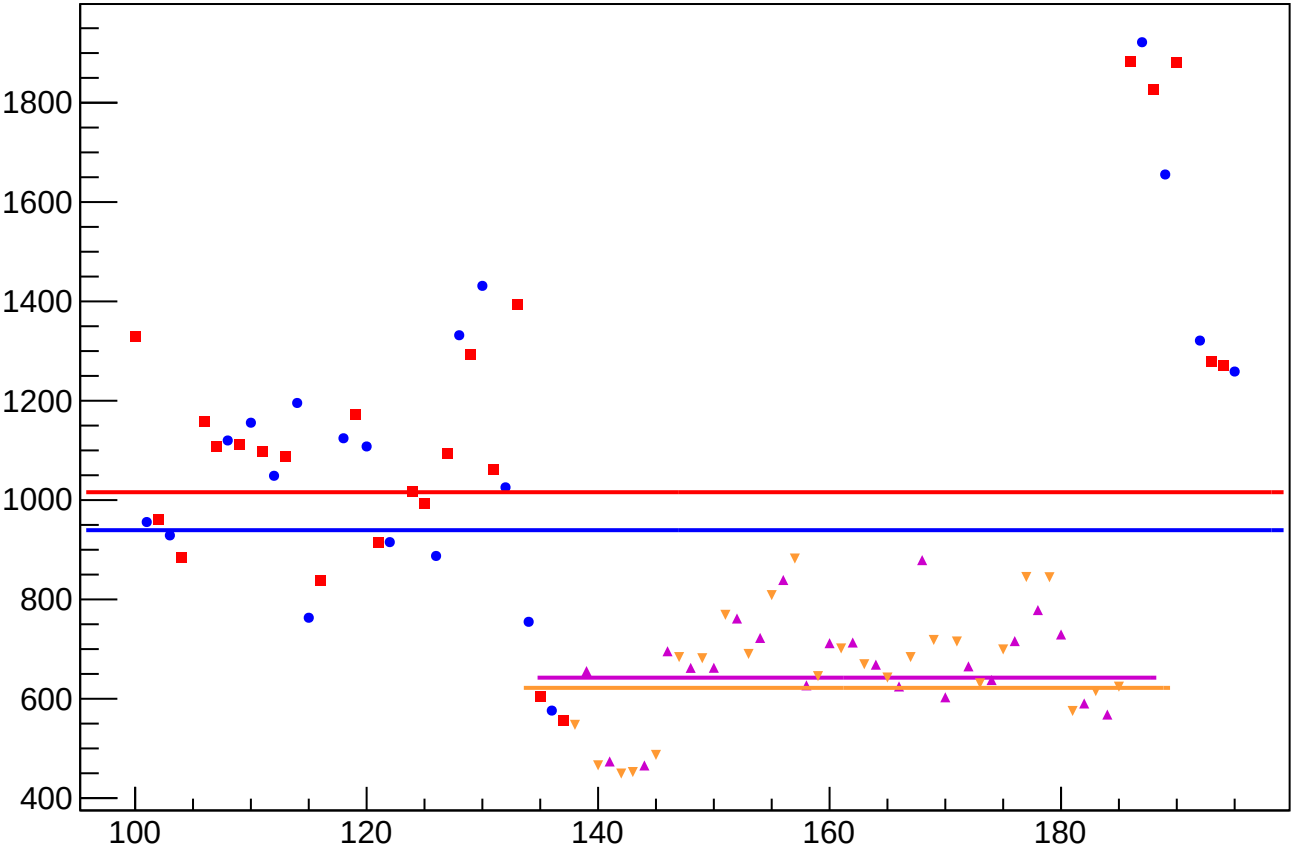
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 403.251+/-131.391 χ^2/NDF: 60.4/44

All: 273.929+/-95.146 χ^2/NDF: 109.0/91

- sign 131.346+/-137.964 χ^2/NDF: 46.5/46

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: 1015.855+/-0.230 χ^2/NDF: 1806401.0/23

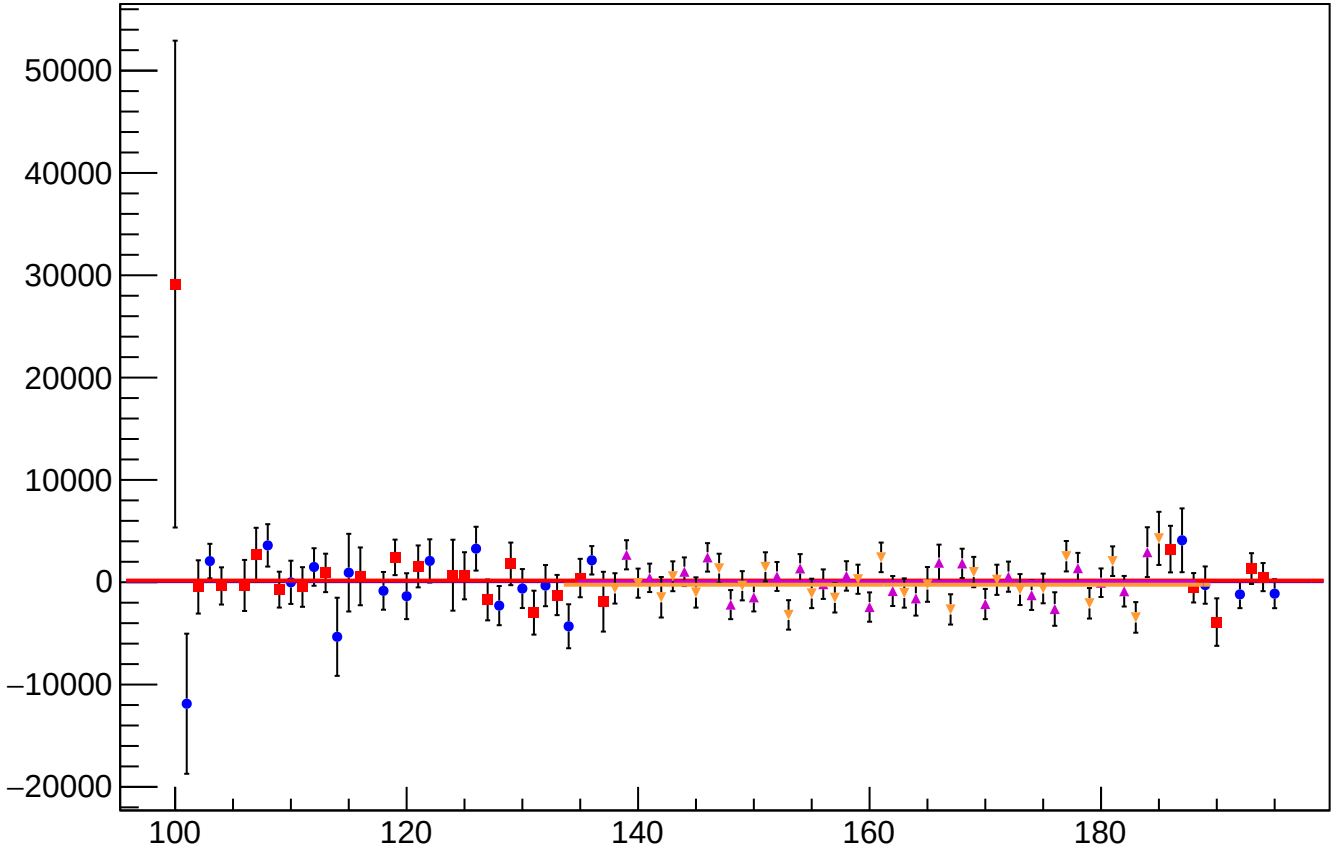
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

\+ sign 677.162+/-0.093 χ^2/NDF: 4718453.4/44

All: 692.584+/-0.067 χ^2/NDF: 9669049.6/91

\- sign 709.588+/-0.098 χ^2/NDF: 4892660.3/46

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: 161.167+/-415.532 χ^2/NDF: 15.8/23

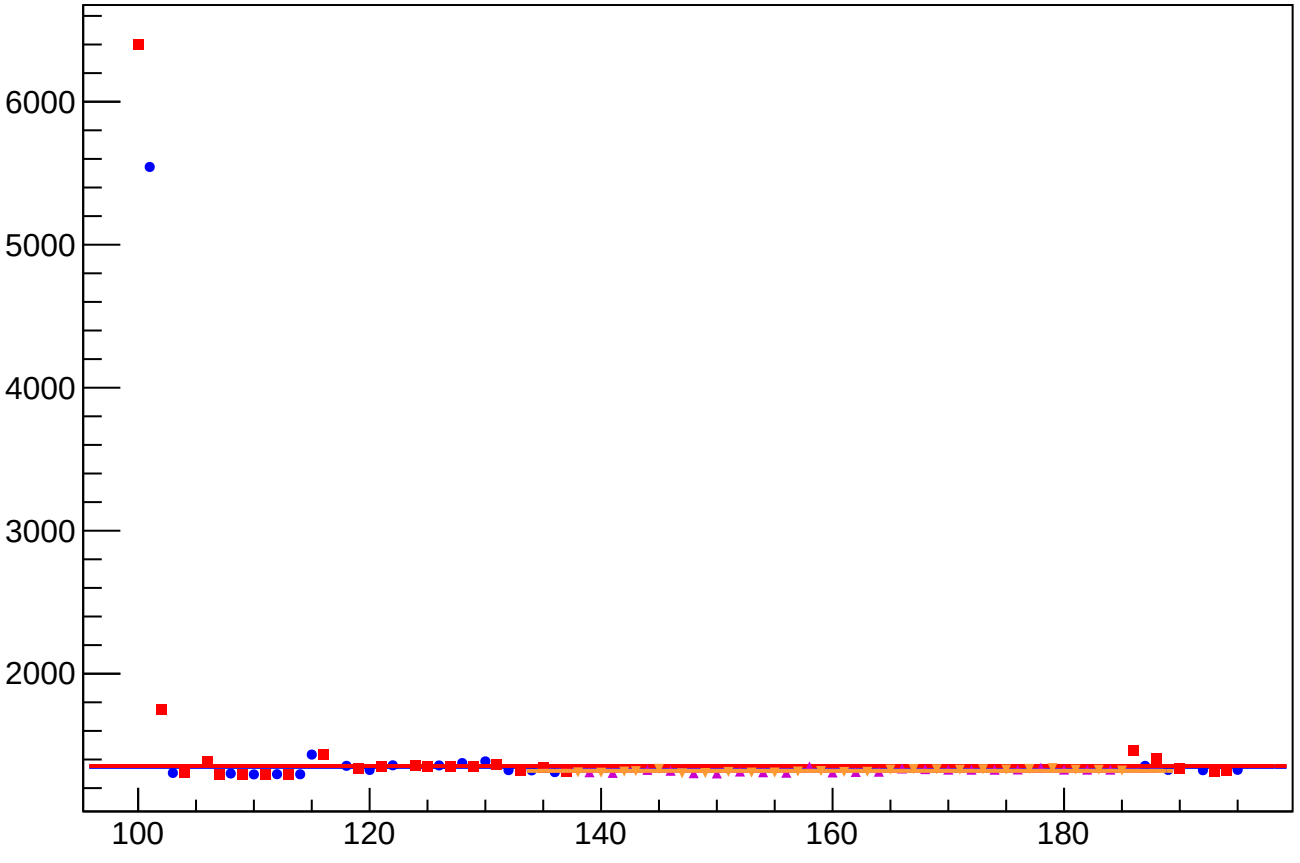
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -130.524+/-247.725 χ^2/NDF: 57.3/44

All: -23.999+/-175.181 χ^2/NDF: 100.6/91

- sign 82.557+/-247.761 χ^2/NDF: 43.0/46

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: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

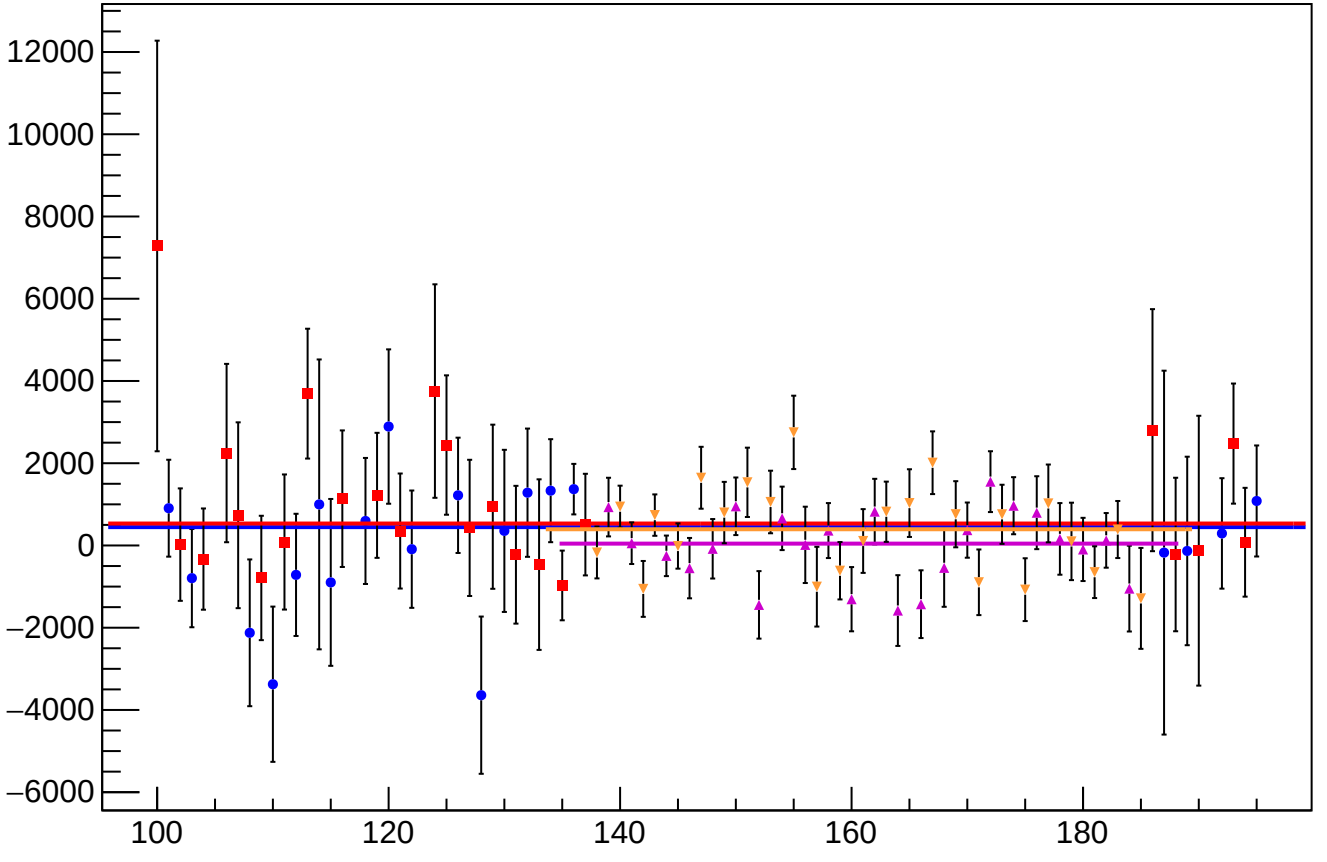
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770134.7/44

All: 1331.519+/-0.124 χ^2/NDF: 939048.7/91

- sign 1333.425+/-0.175 χ^2/NDF: 168677.6/46

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: 533.472+/-325.408 χ^2/NDF: 17.4/23

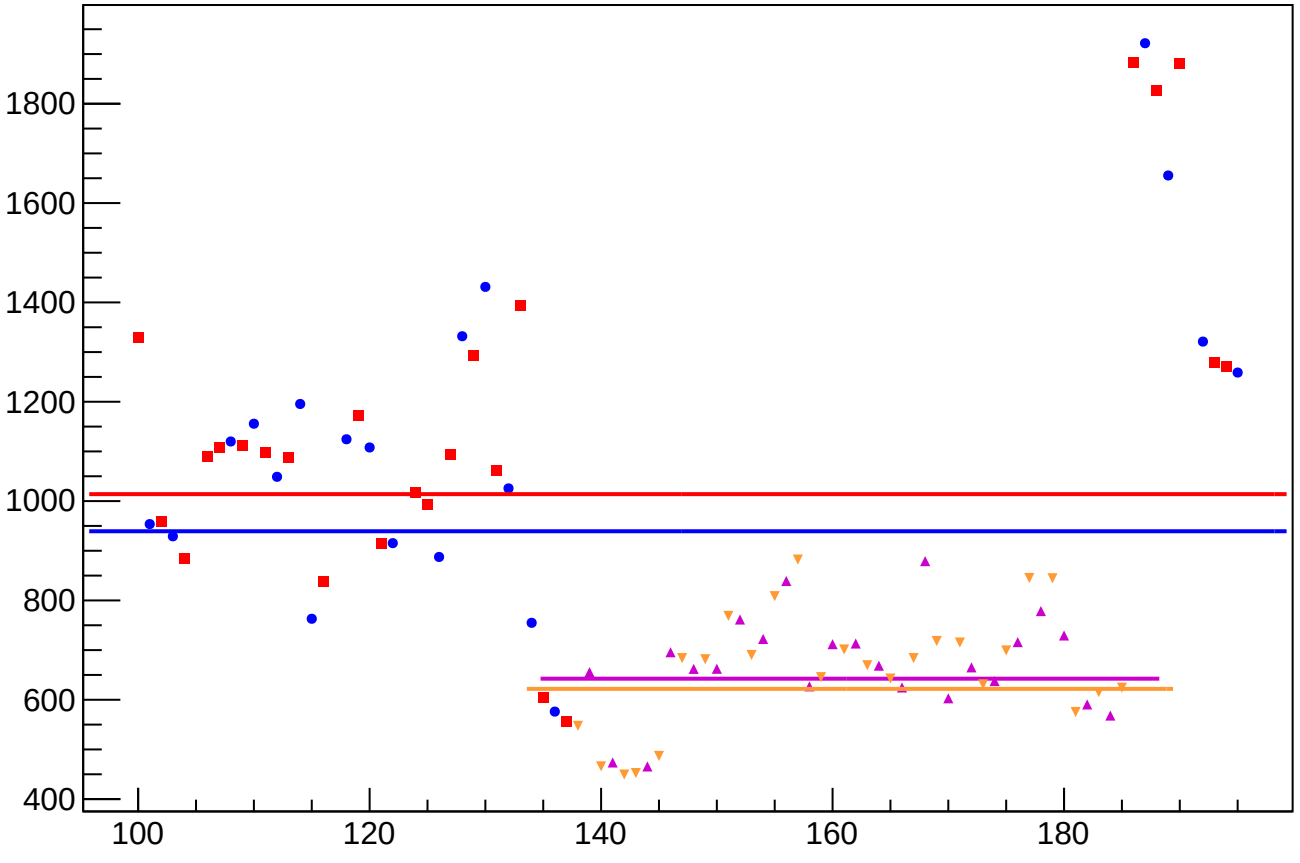
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 403.493+/-131.388 χ^2/NDF: 60.4/44

All: 274.661+/-95.145 χ^2/NDF: 109.3/91

- sign 132.611+/-137.963 χ^2/NDF: 46.9/46

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: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

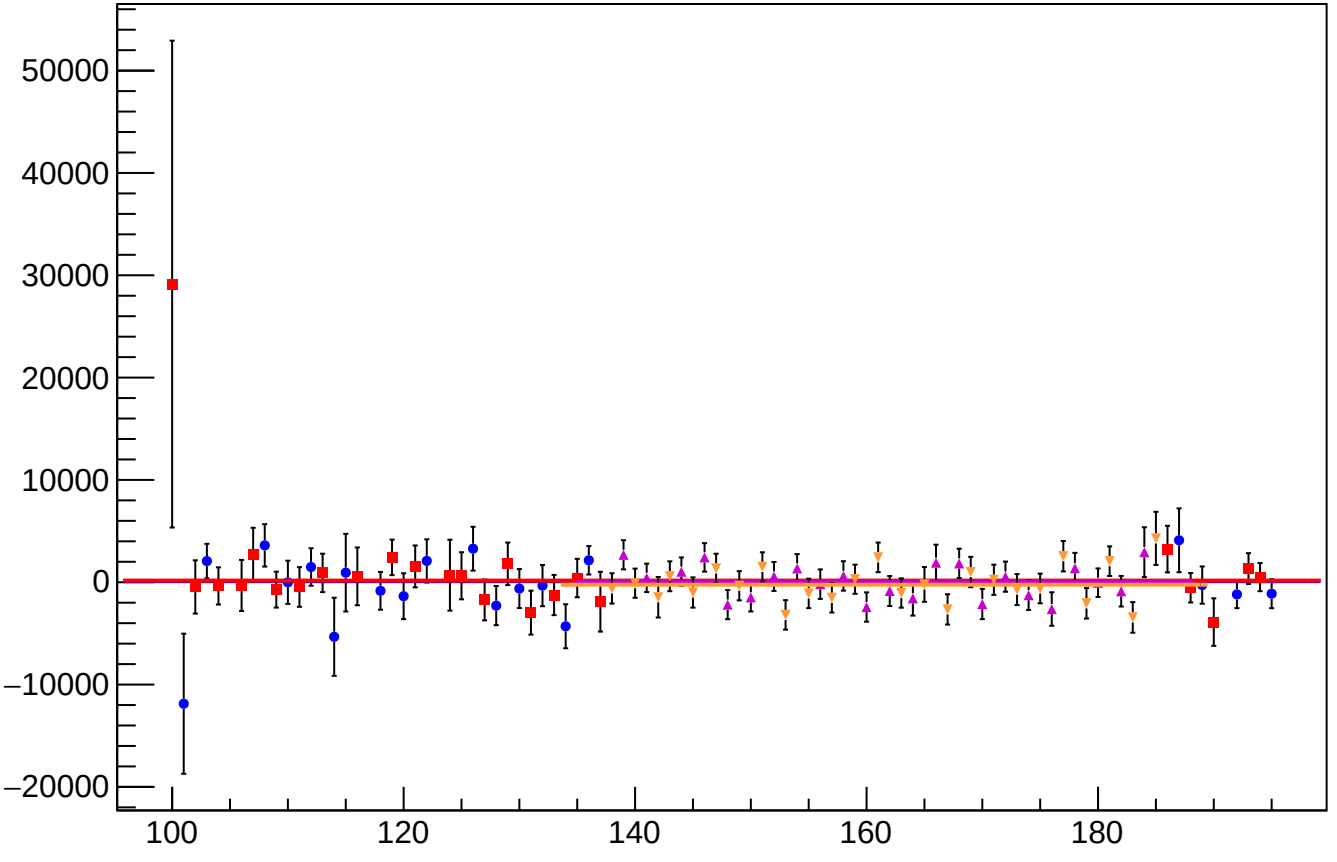
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 677.153+/-0.093 χ^2/NDF: 4717251.8/44

All: 692.417+/-0.067 χ^2/NDF: 9638742.5/91

\- sign 709.247+/-0.098 χ^2/NDF: 4864733.4/46

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: 161.167+/-415.532 χ^2/NDF: 15.8/23

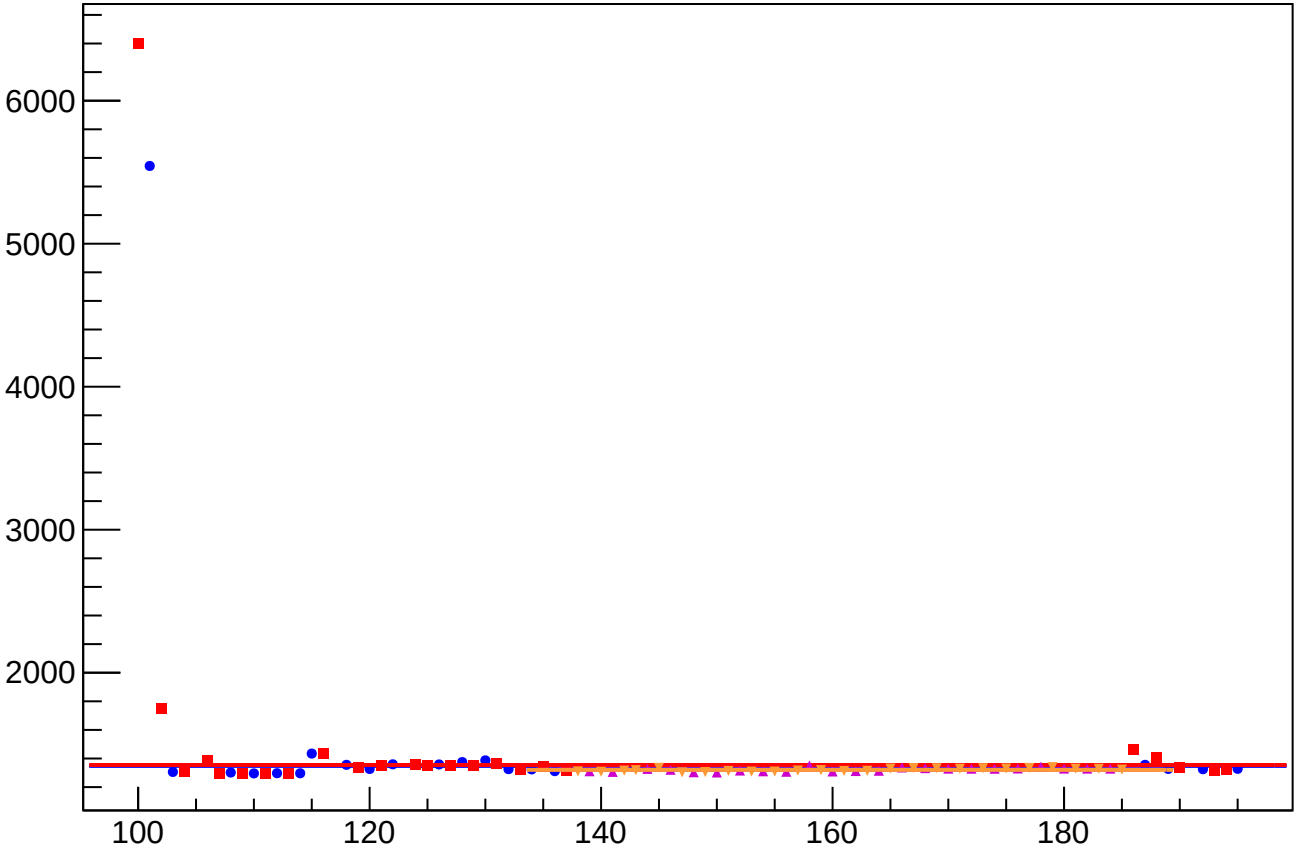
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -130.524+/-247.725 χ^2/NDF: 57.3/44

All: -23.999+/-175.181 χ^2/NDF: 100.6/91

- sign 82.557+/-247.761 χ^2/NDF: 43.0/46

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

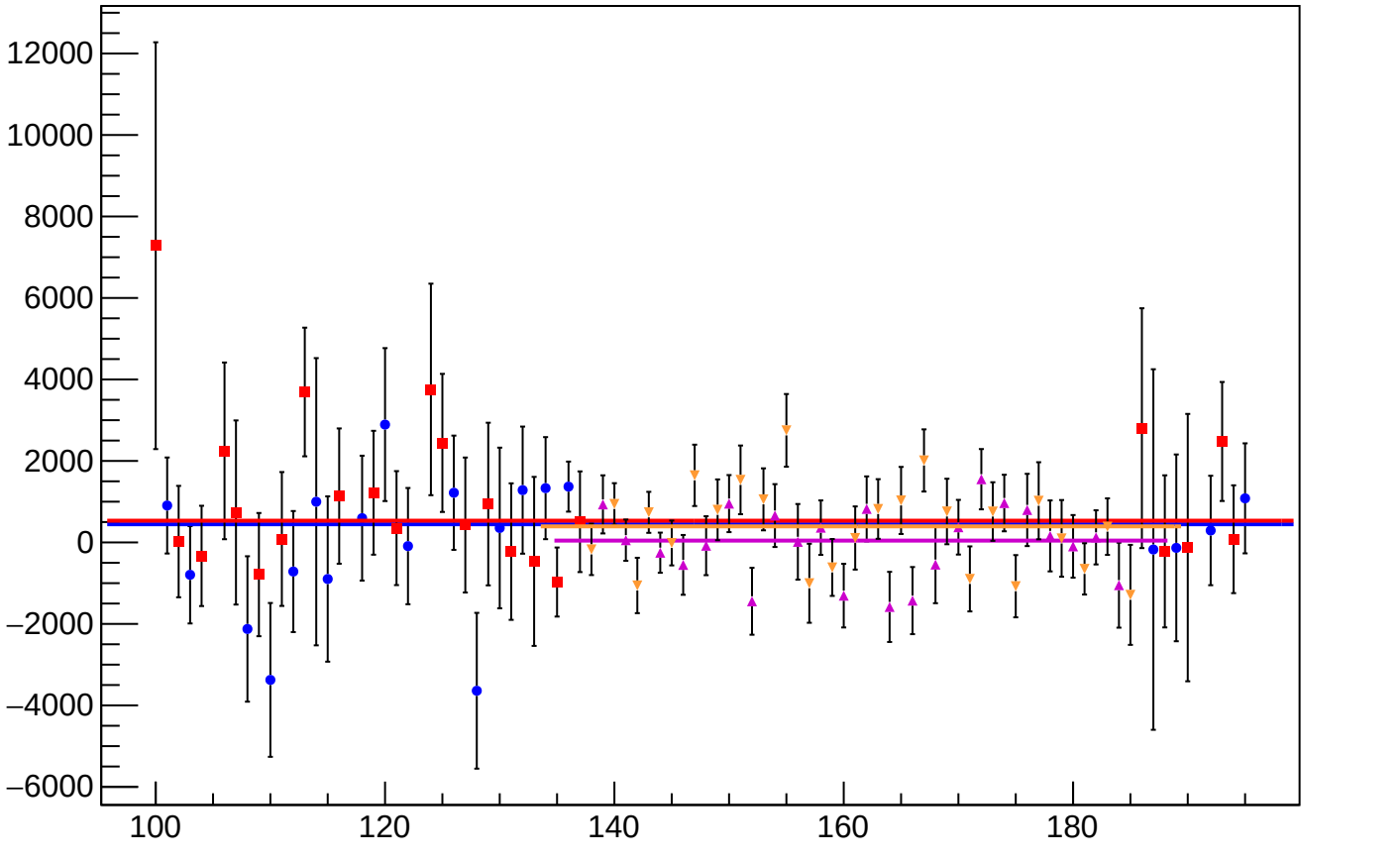
Right Out: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.615+/-0.175 χ^2/NDF: 770134.7/44

All: 1331.519+/-0.124 χ^2/NDF: 939048.7/91

- sign 1333.425+/-0.175 χ^2/NDF: 168677.6/46



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: 533.472+/-325.408 χ^2/NDF: 17.4/23

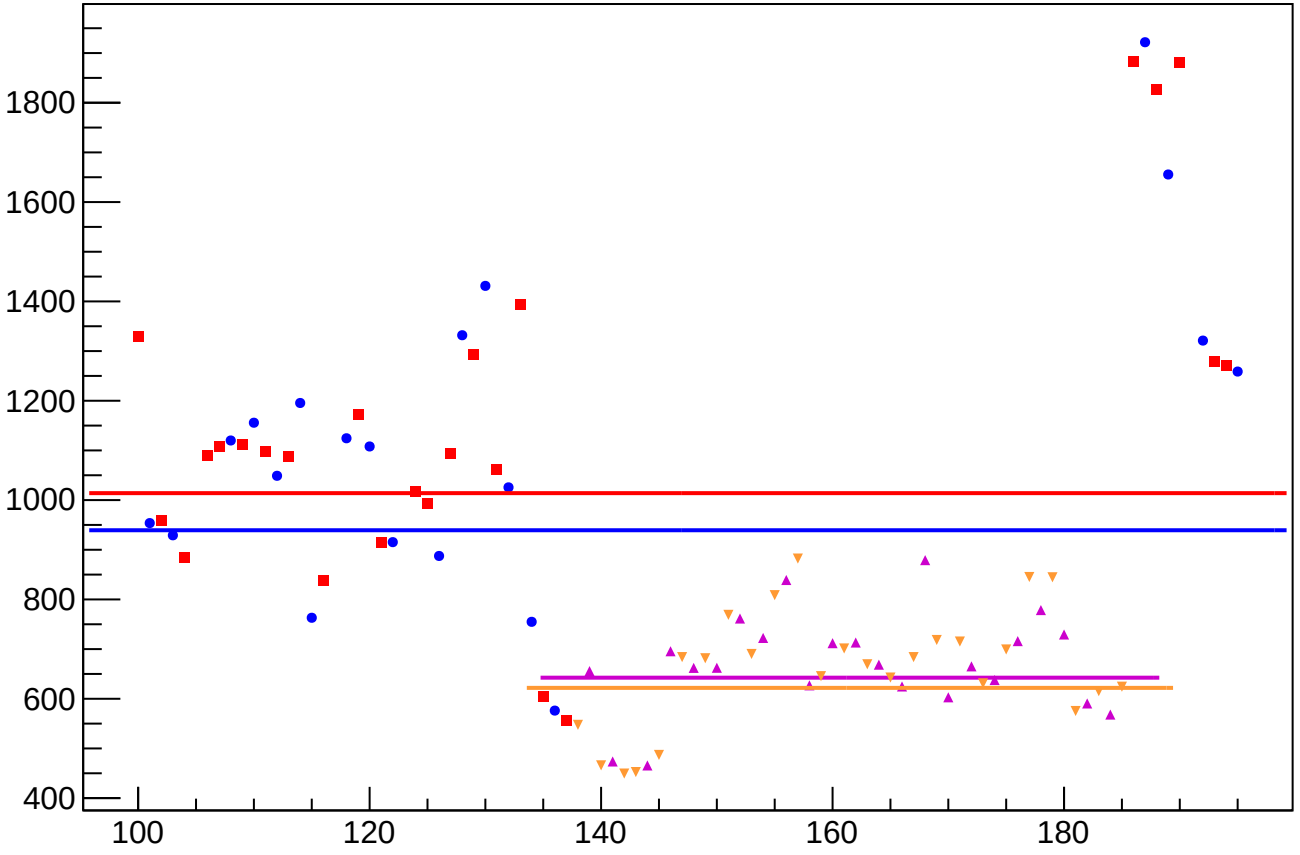
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 403.493+/-131.388 χ^2/NDF: 60.4/44

All: 274.661+/-95.145 χ^2/NDF: 109.3/91

- sign 132.611+/-137.963 χ^2/NDF: 46.9/46

asym_usr_atr1_dd_eigen_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: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

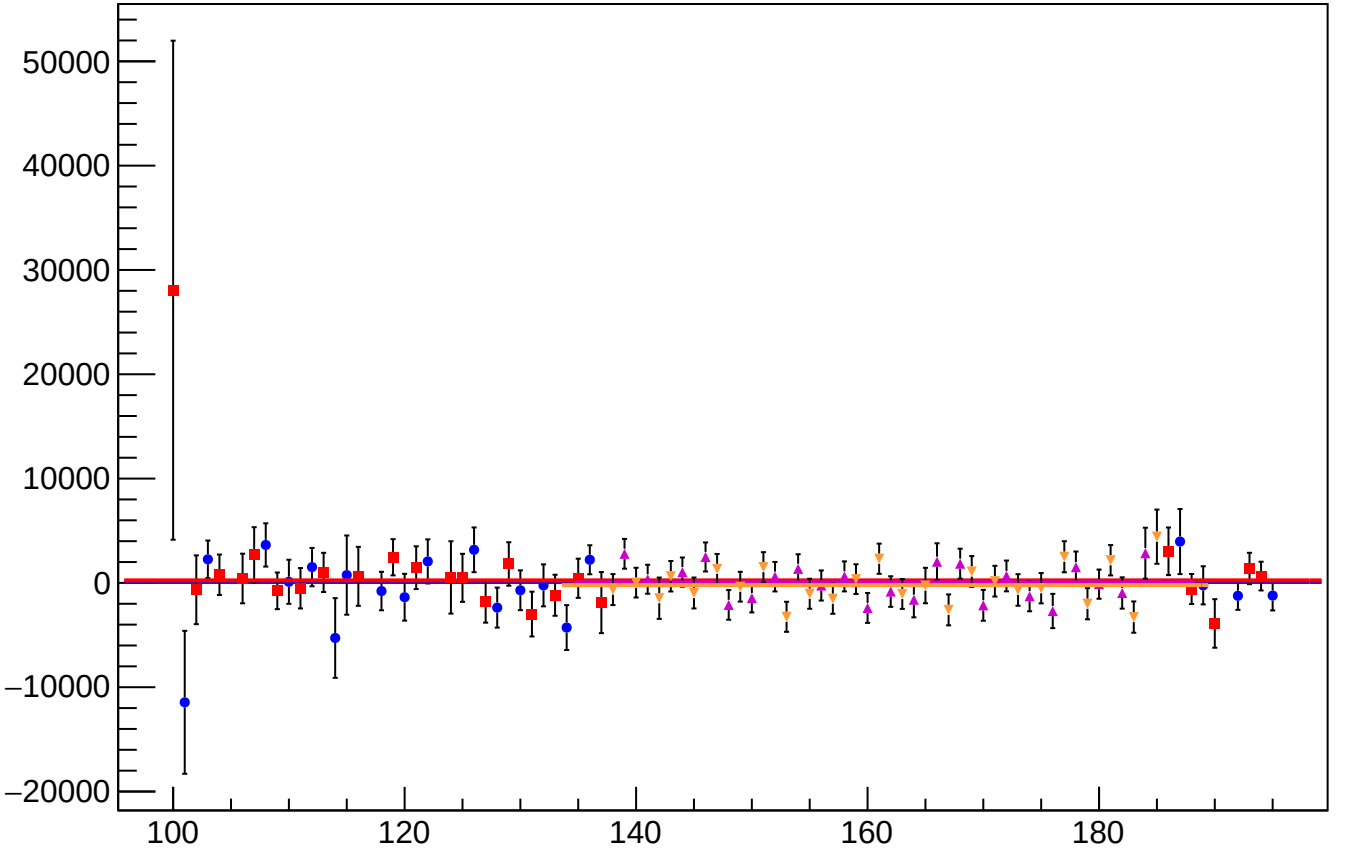
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 677.153+/-0.093 χ^2/NDF: 4717251.8/44

All: 692.417+/-0.067 χ^2/NDF: 9638742.5/91

\- sign 709.247+/-0.098 χ^2/NDF: 4864733.4/46

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: 241.828+/-418.658 χ^2/NDF: 15.6/23

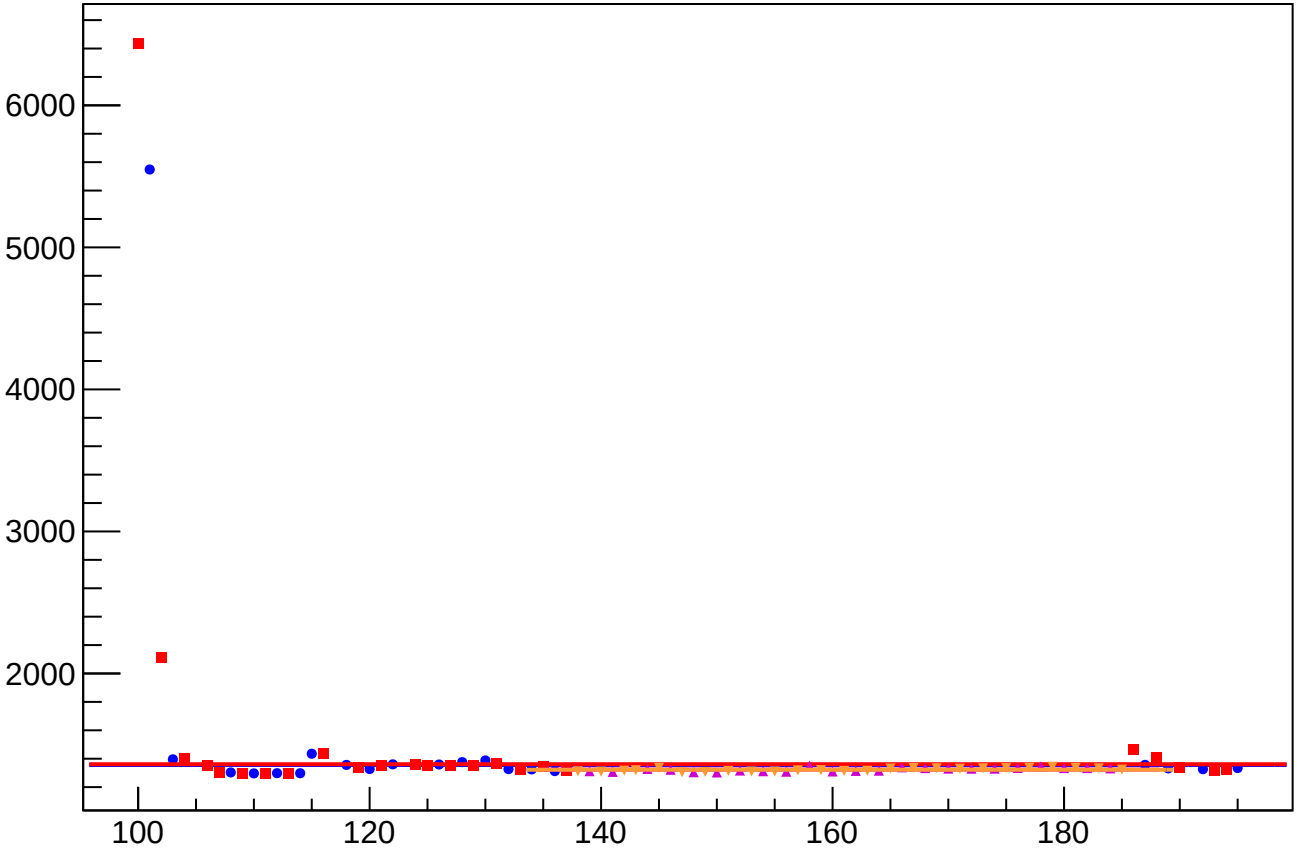
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -116.731+/-248.363 χ^2/NDF: 56.7/44

All: 0.419+/-175.706 χ^2/NDF: 100.7/91

- sign 117.802+/-248.609 χ^2/NDF: 43.6/46

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: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

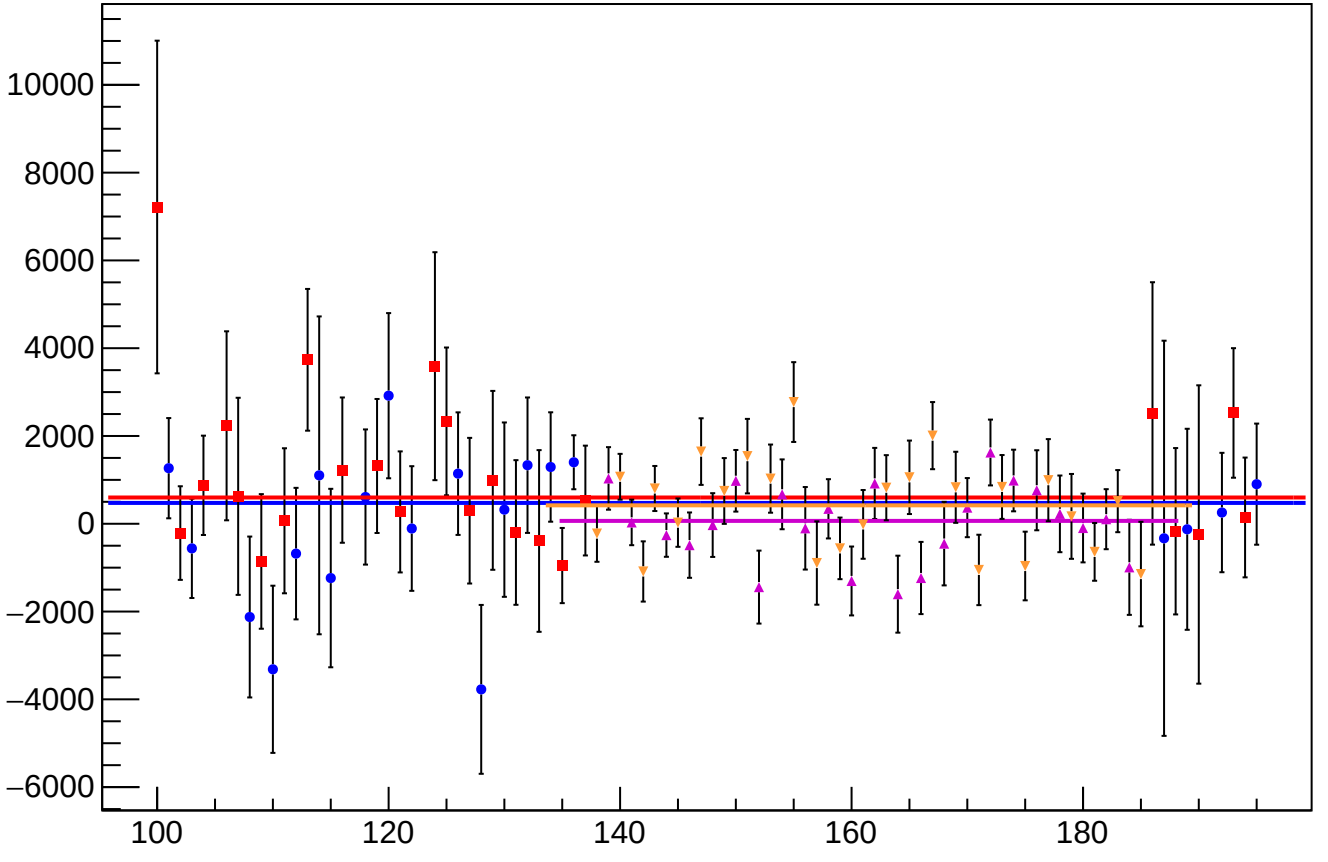
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.010+/-0.176 χ^2/NDF: 772234.3/44

All: 1334.824+/-0.124 χ^2/NDF: 1001889.5/91

- sign 1336.641+/-0.176 χ^2/NDF: 229441.6/46

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: 598.501+/-319.095 χ^2/NDF: 18.1/23

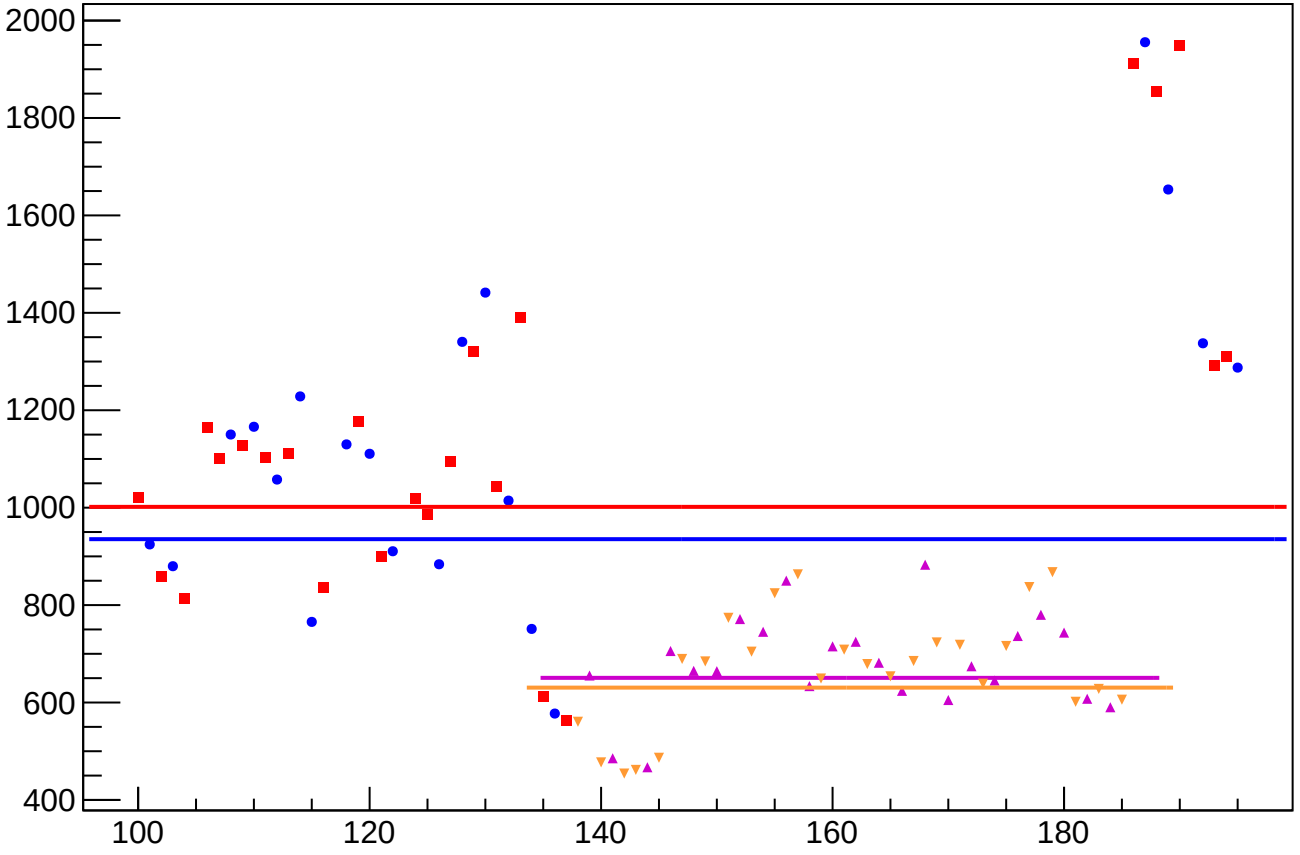
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 429.729+/-132.721 χ^2/NDF: 60.4/44

All: 303.989+/-95.944 χ^2/NDF: 109.7/91

\- sign 166.354+/-138.857 χ^2/NDF: 47.4/46

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: 1001.656+/-0.226 χ^2/NDF: 1908598.6/23

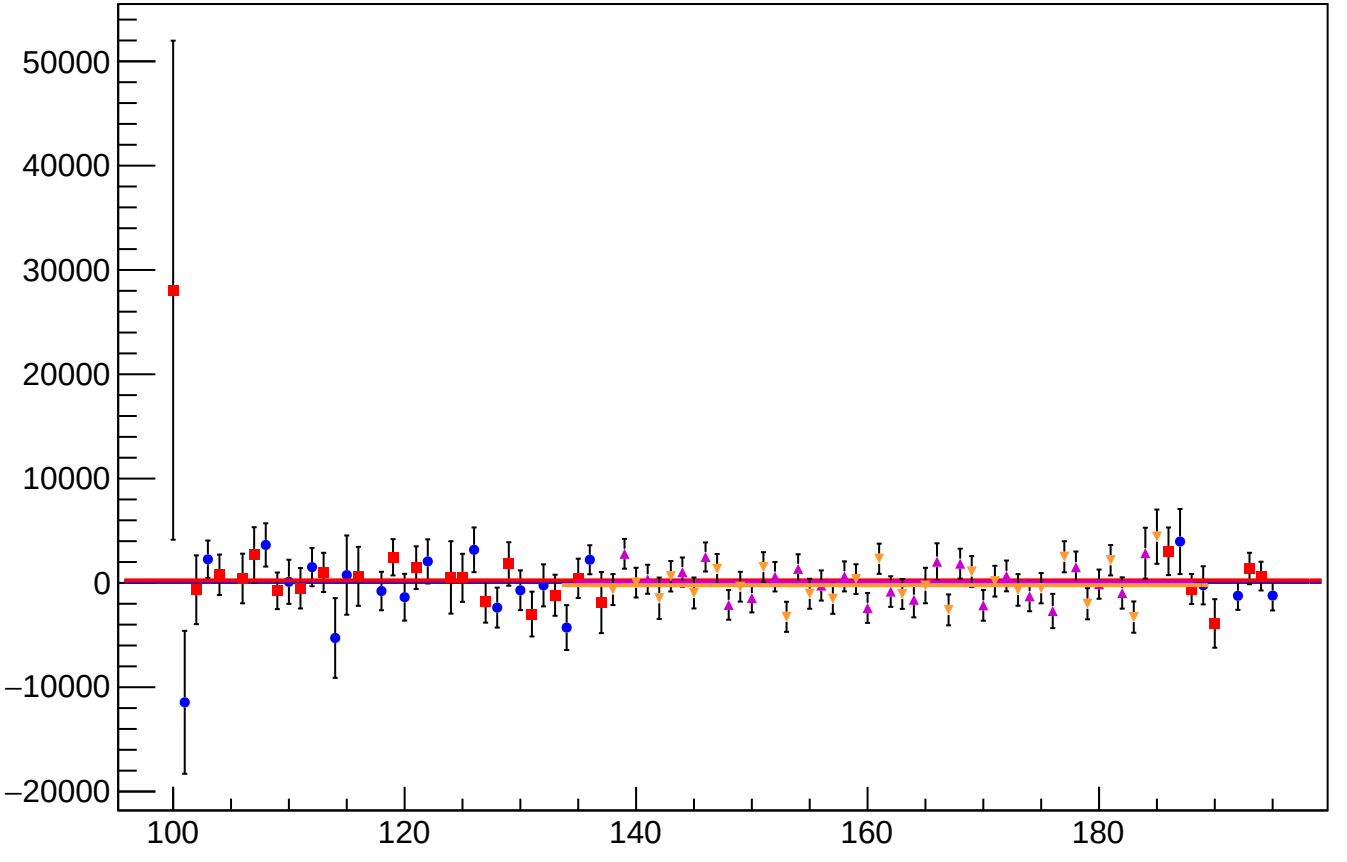
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

\+ sign 685.004+/-0.094 χ^2/NDF: 4579660.3/44

All: 700.330+/-0.068 χ^2/NDF: 9428116.2/91

\- sign 717.107+/-0.098 χ^2/NDF: 4792592.3/46

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: 241.826+/-418.658 χ^2/NDF: 15.6/23

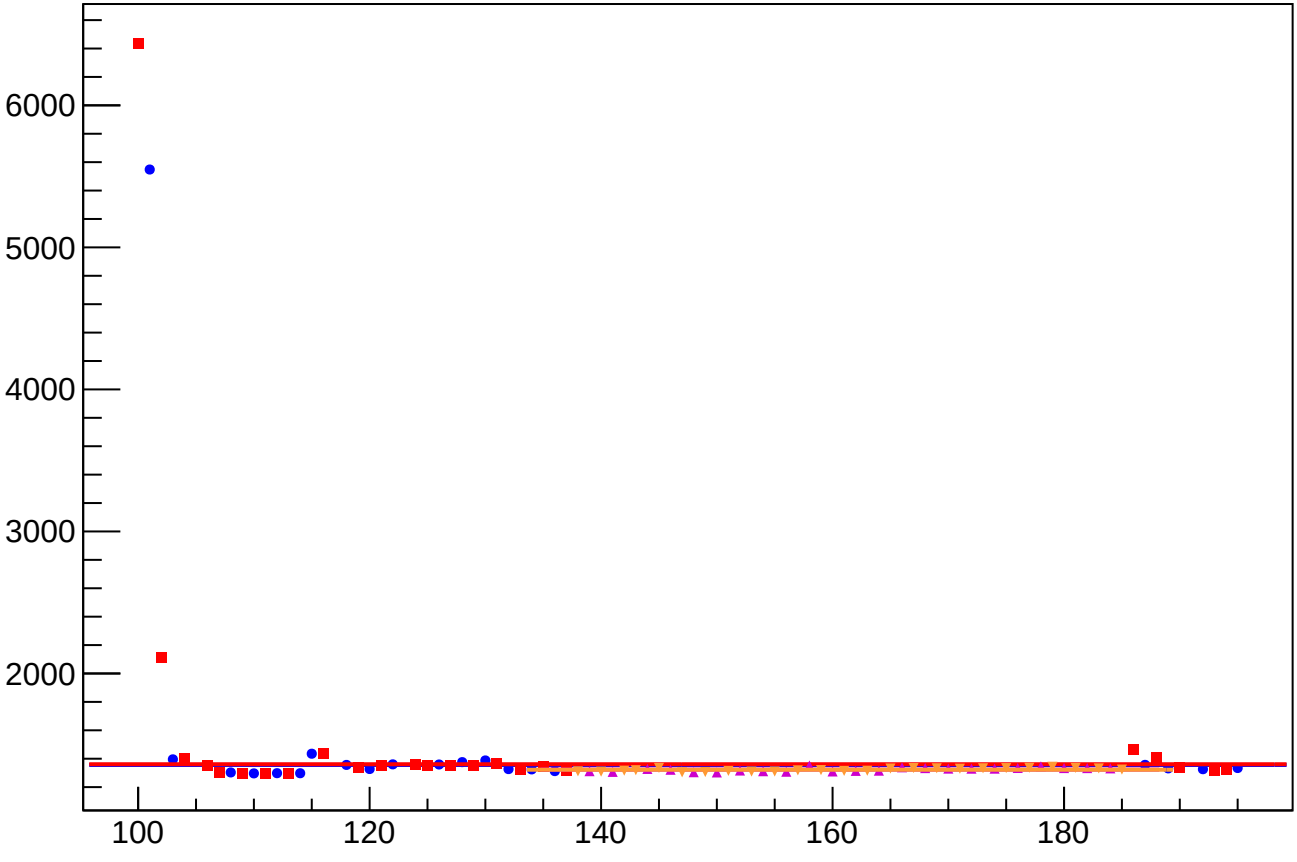
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -116.732+/-248.363 χ^2/NDF: 56.7/44

All: 0.418+/-175.706 χ^2/NDF: 100.7/91

- sign 117.801+/-248.609 χ^2/NDF: 43.6/46

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: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

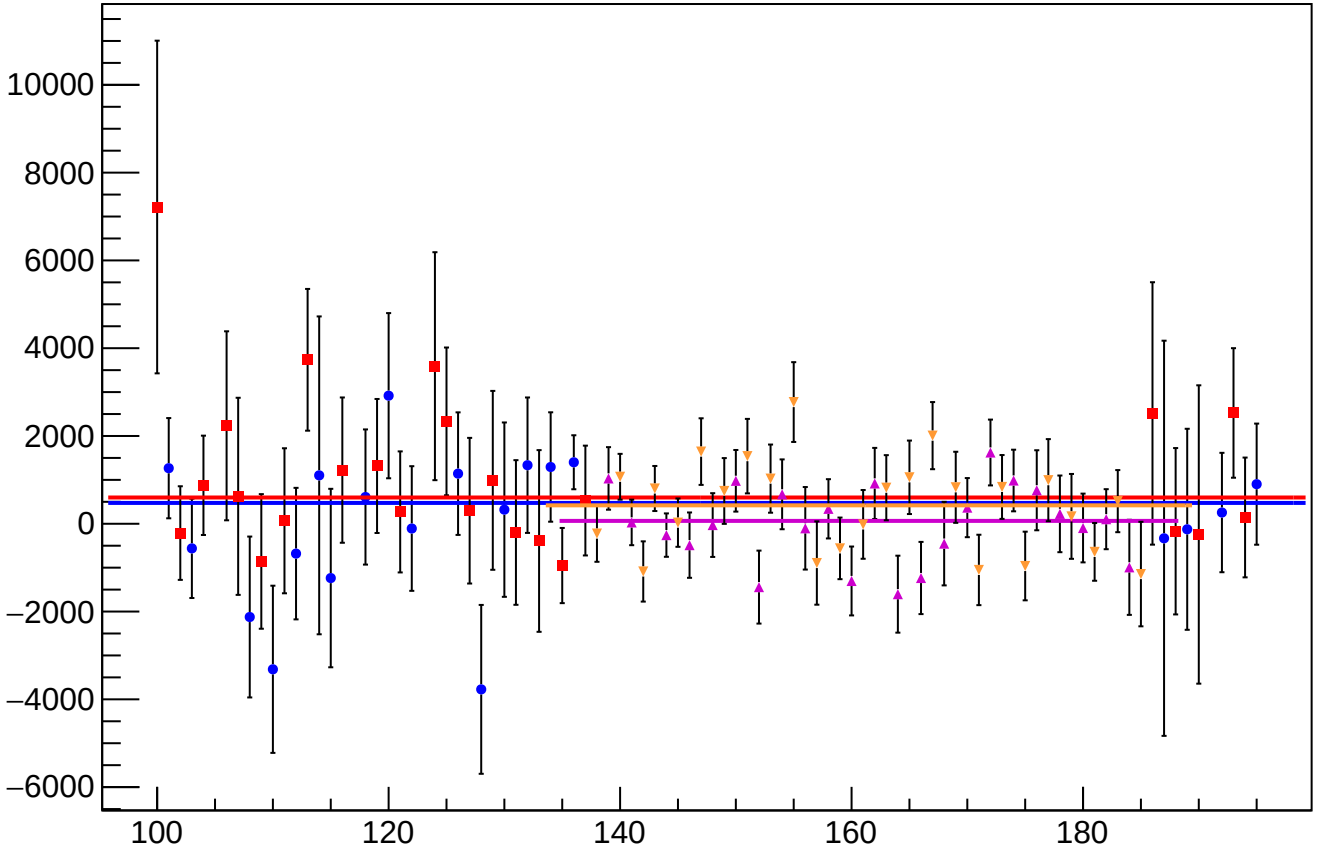
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.010+/-0.176 χ^2/NDF: 772234.2/44

All: 1334.824+/-0.124 χ^2/NDF: 1001889.4/91

- sign 1336.641+/-0.176 χ^2/NDF: 229441.6/46

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 474.952+/-314.095 χ^2/NDF: 18.8/19

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 598.499+/-319.094 χ^2/NDF: 18.1/23

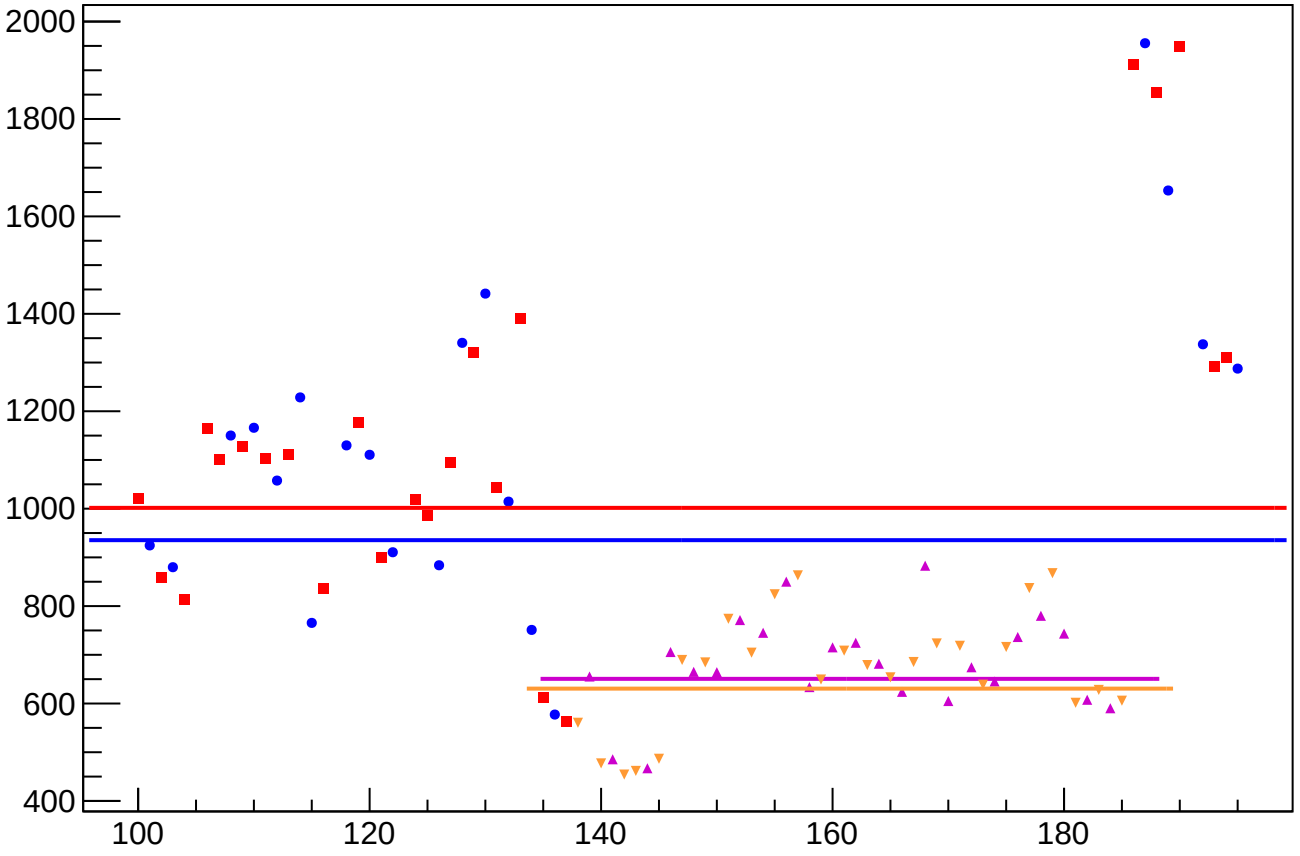
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 429.728+/-132.721 χ^2/NDF: 60.4/44

All: 303.989+/-95.944 χ^2/NDF: 109.7/91

\- sign 166.354+/-138.857 χ^2/NDF: 47.4/46

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: 1001.654+/-0.226 χ^2/NDF: 1908596.1/23

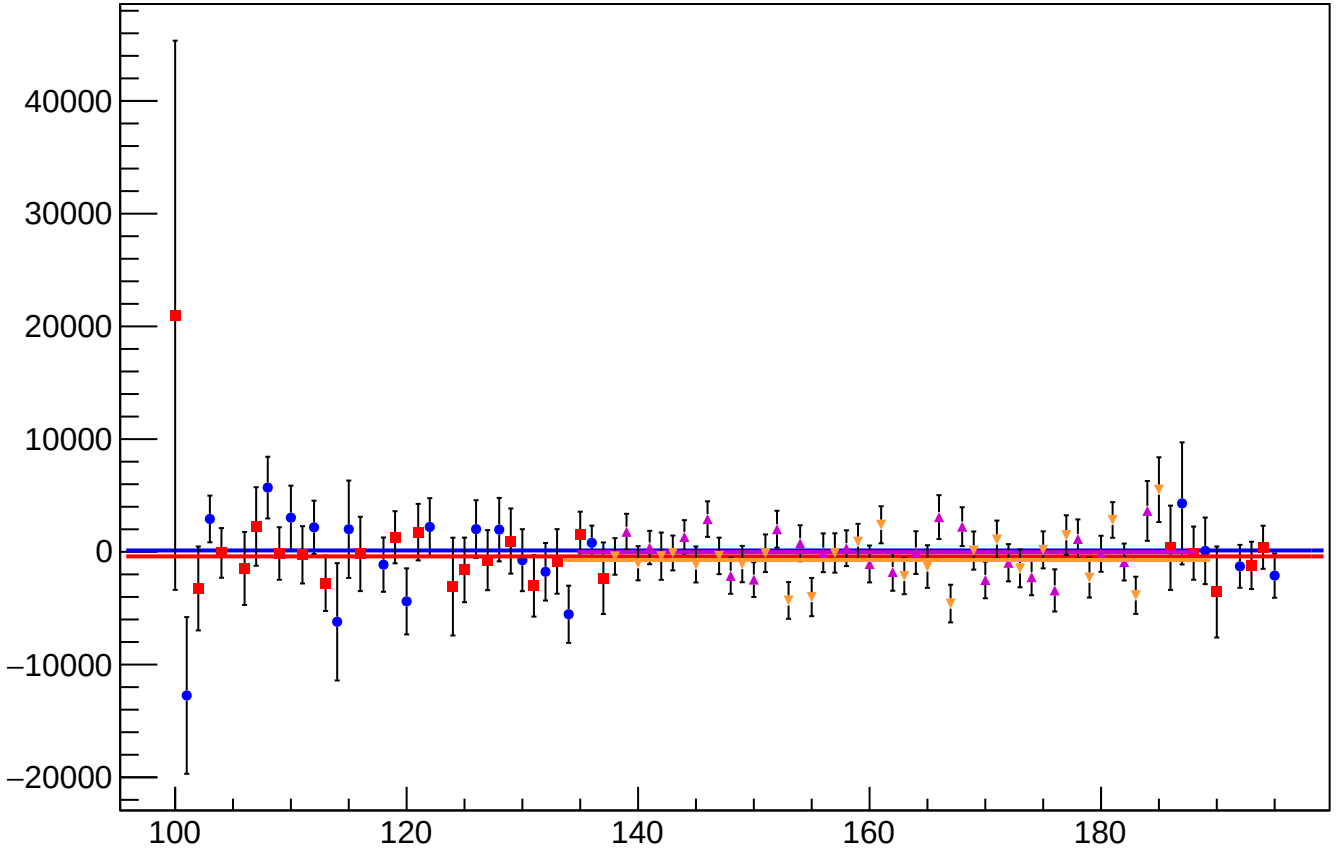
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 685.005+/-0.094 χ^2/NDF: 4579656.4/44

All: 700.331+/-0.068 χ^2/NDF: 9428091.0/91

- sign 717.108+/-0.098 χ^2/NDF: 4792569.0/46

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: -404.136+/-555.588 χ^2/NDF: 8.3/23

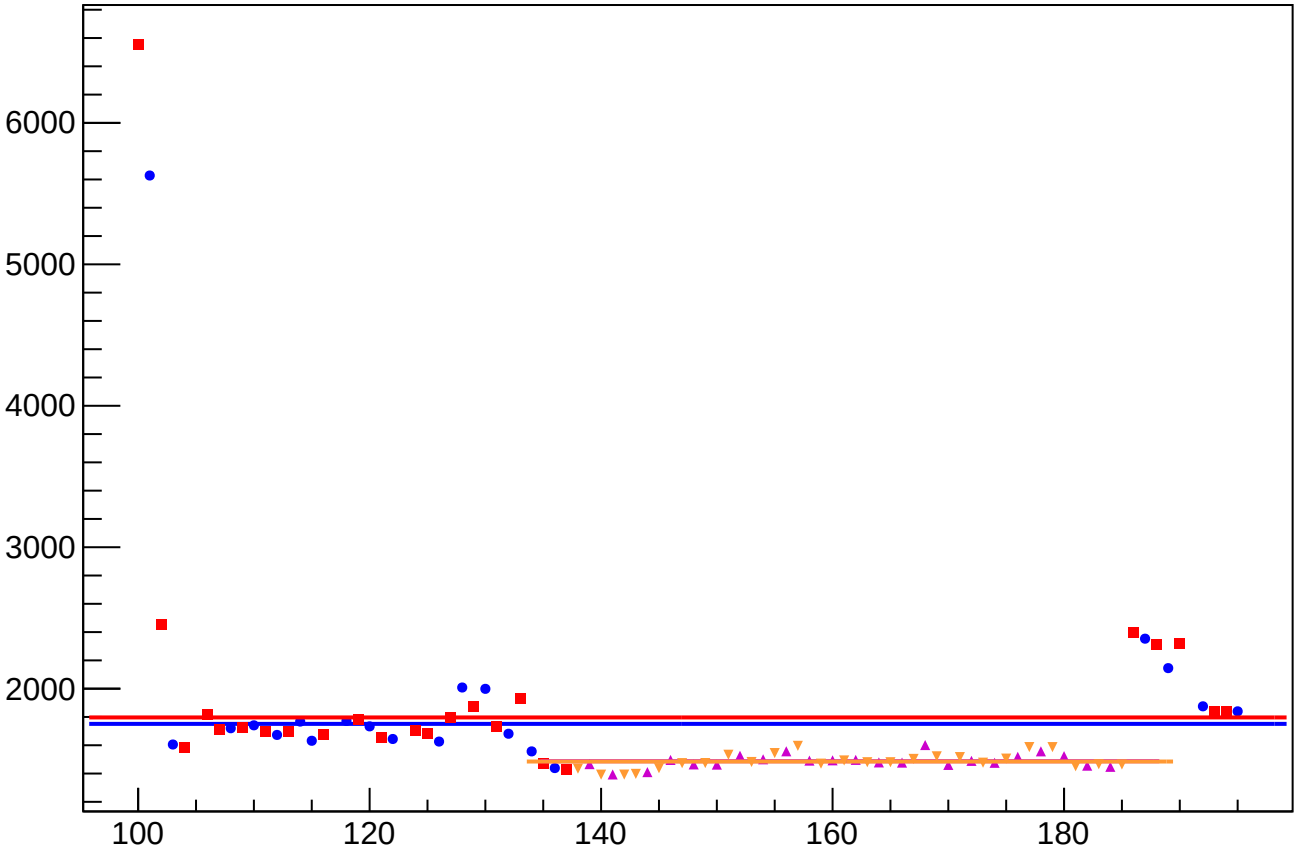
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -500.629+/-290.734 χ^2/NDF: 64.8/44

All: -319.410+/-206.922 χ^2/NDF: 102.1/91

- sign -133.382+/-294.566 χ^2/NDF: 36.6/46

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: 1796.673+/-0.393 χ^2/NDF: 445292.0/23

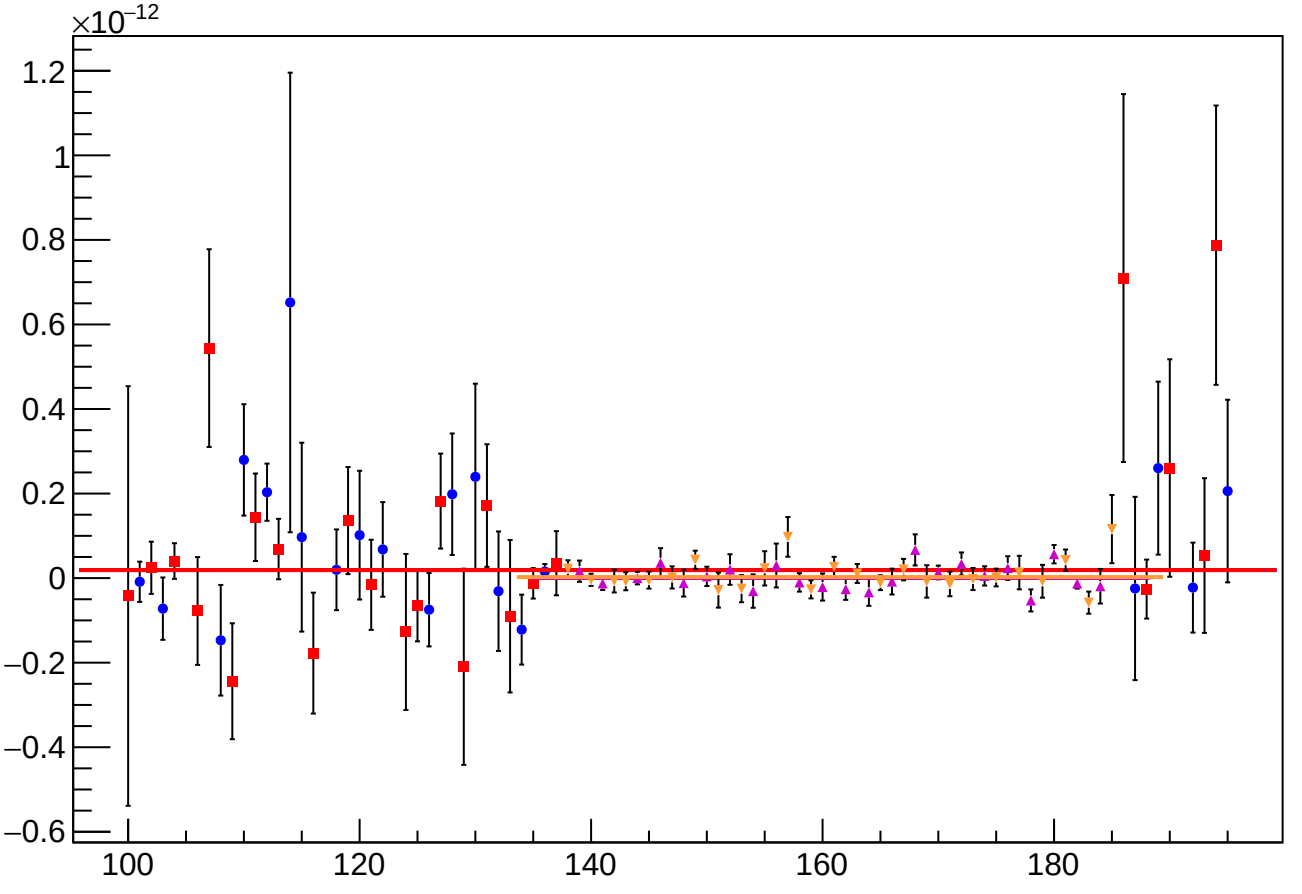
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1553.707+/-0.206 χ^2/NDF: 1219830.3/44

All: 1563.785+/-0.146 χ^2/NDF: 2151169.8/91

- sign 1574.130+/-0.208 χ^2/NDF: 926469.7/46

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: 30.6/23

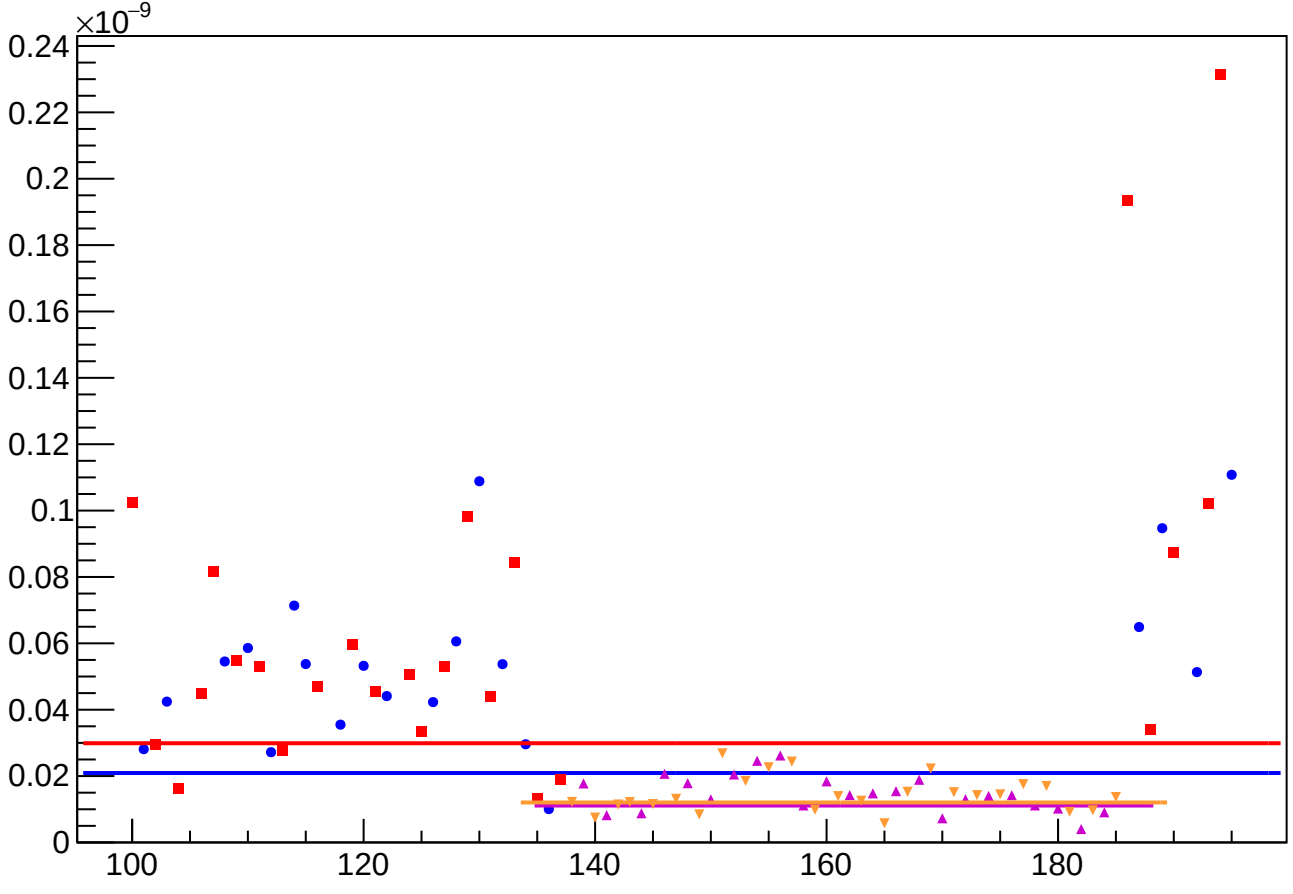
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/44

All: 0.000+/-0.000 χ^2/NDF: 109.2/91

- sign 0.000+/-0.000 χ^2/NDF: 56.5/46

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

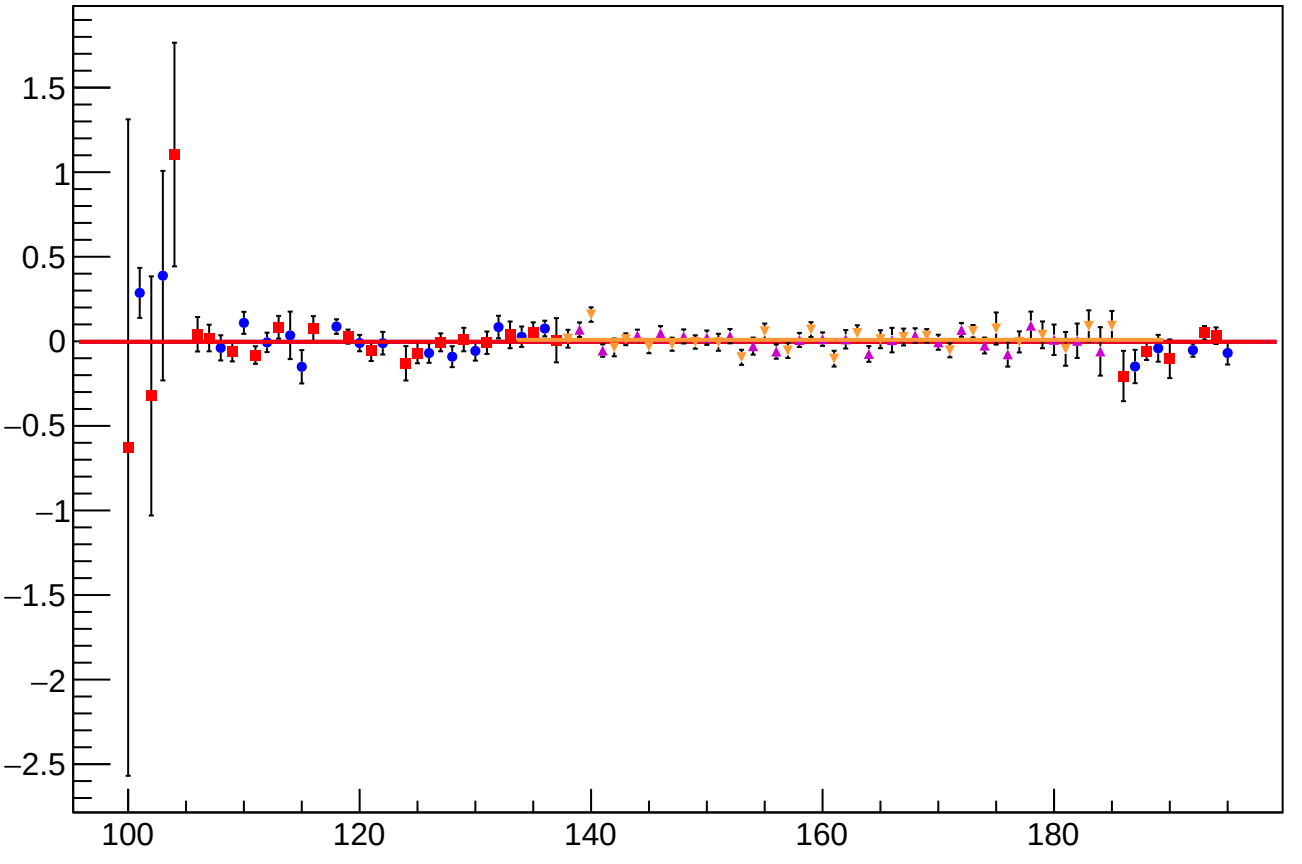
Right Out: 0.000+/-0.000 χ^2/NDF: 3126667.9/23

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: 12704059.7/91

- sign 0.000+/-0.000 χ^2/NDF: 7314340.7/46



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: 21.0/23

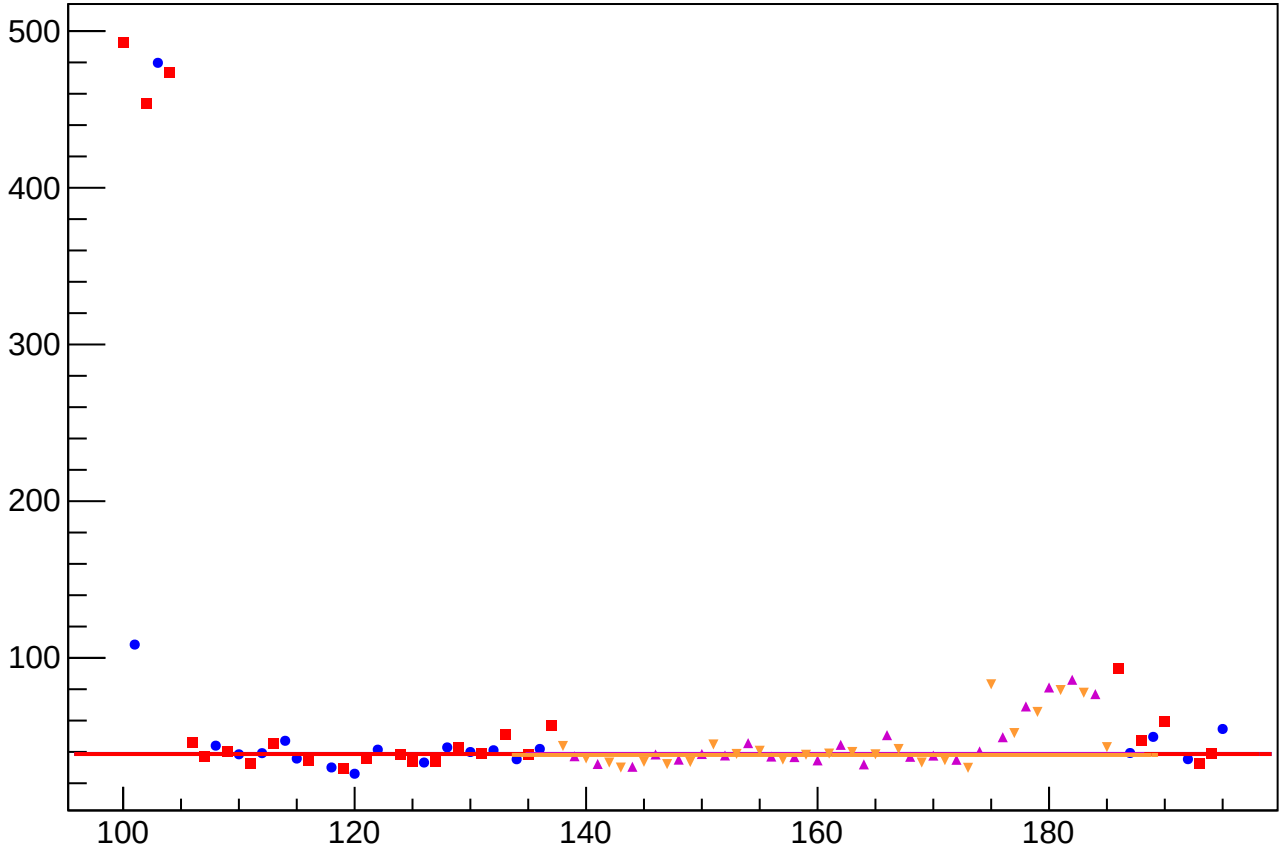
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/91

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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

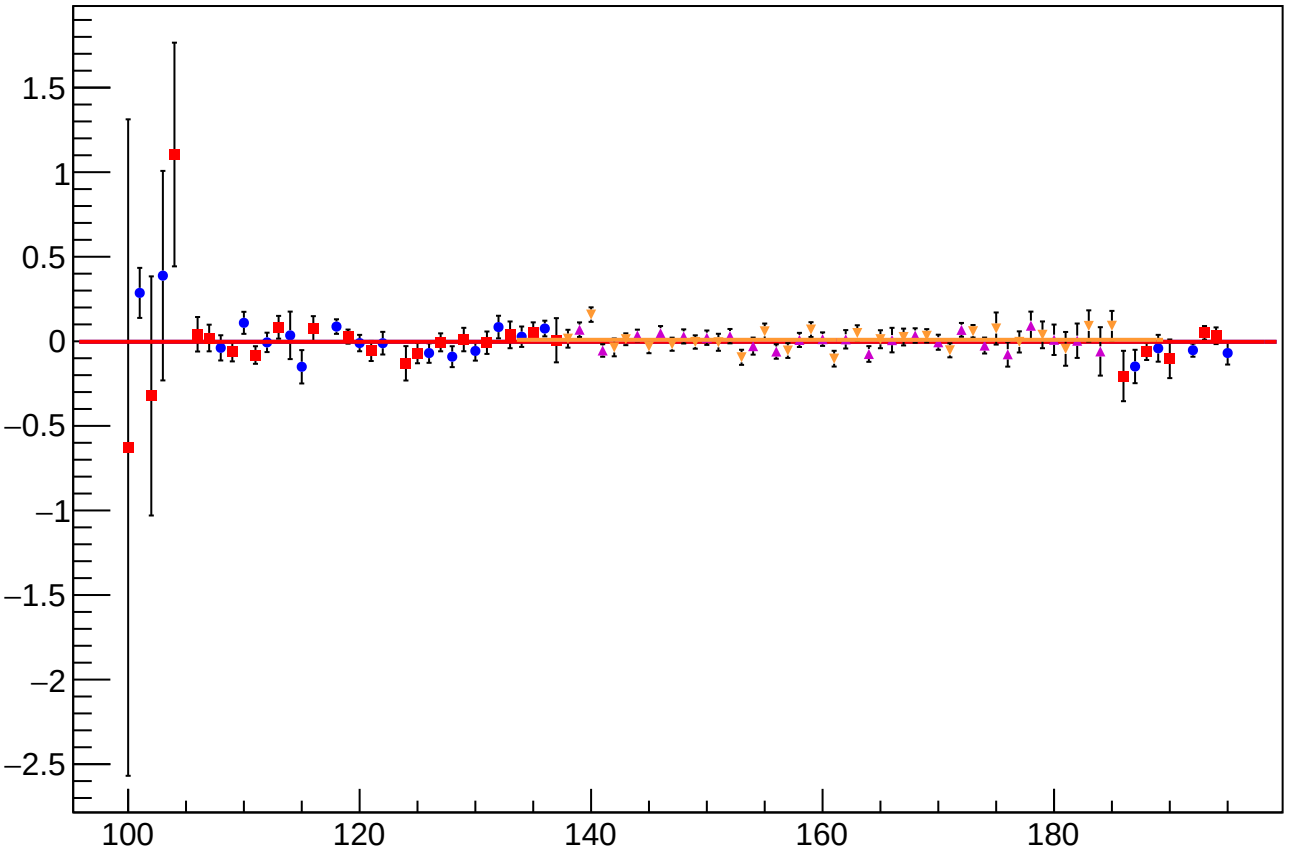
Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875951.6/44

All: 38.449+/-0.004 χ^2/NDF: 7996940.8/91

\- sign 38.634+/-0.006 χ^2/NDF: 4118888.2/46



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: 21.0/23

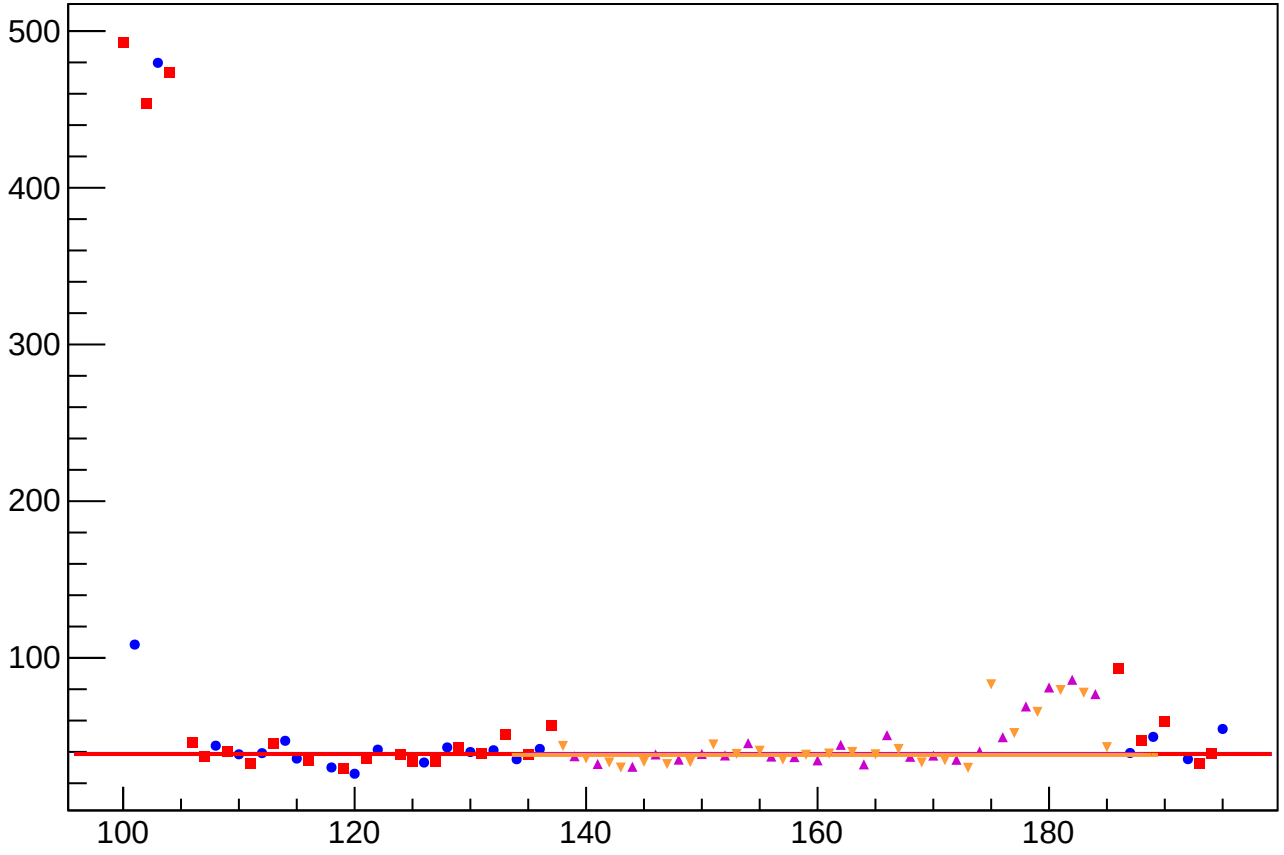
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/91

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

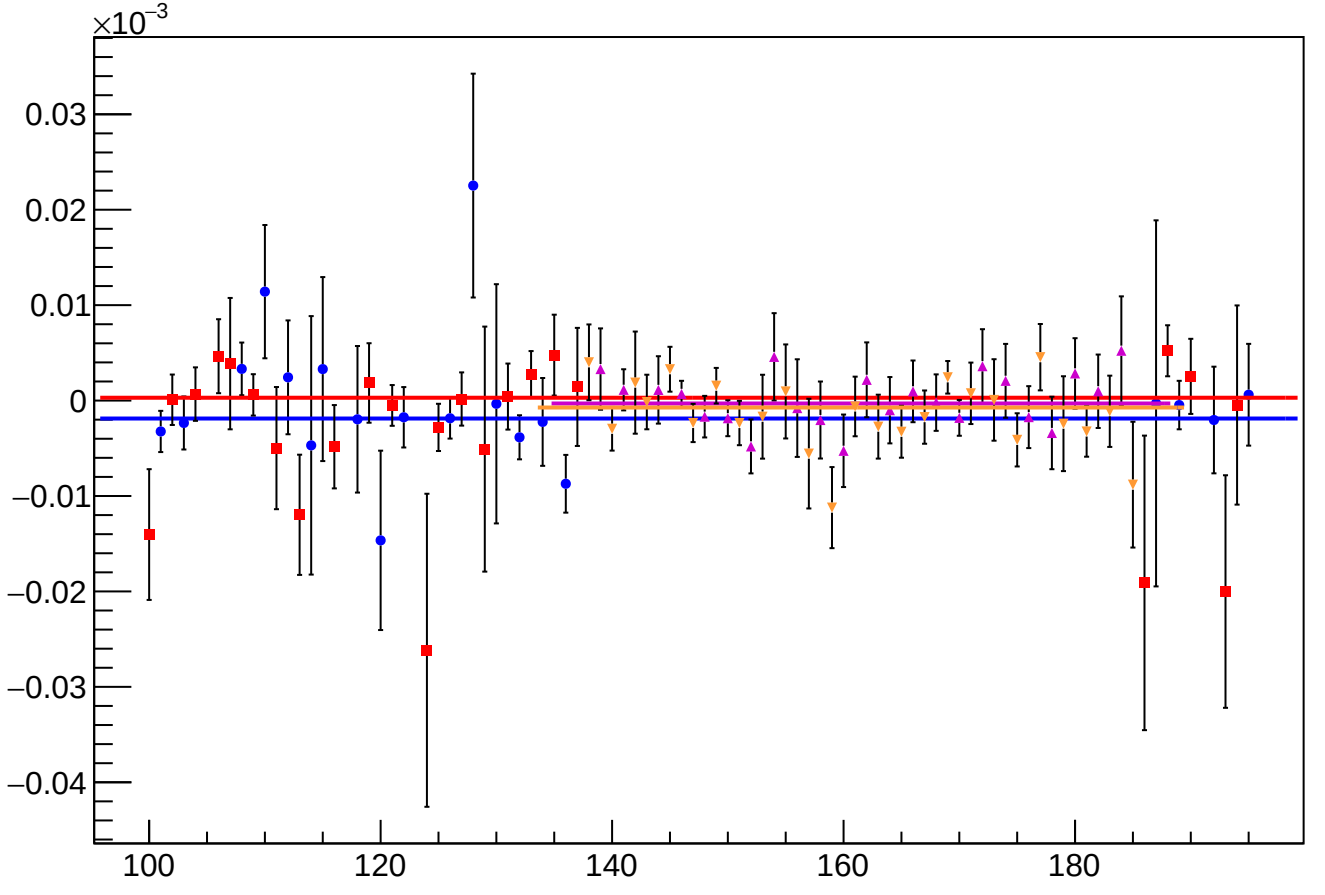
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875951.6/44

All: 38.449+/-0.004 χ^2/NDF: 7996940.8/91

\- sign 38.634+/-0.006 χ^2/NDF: 4118888.2/46

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

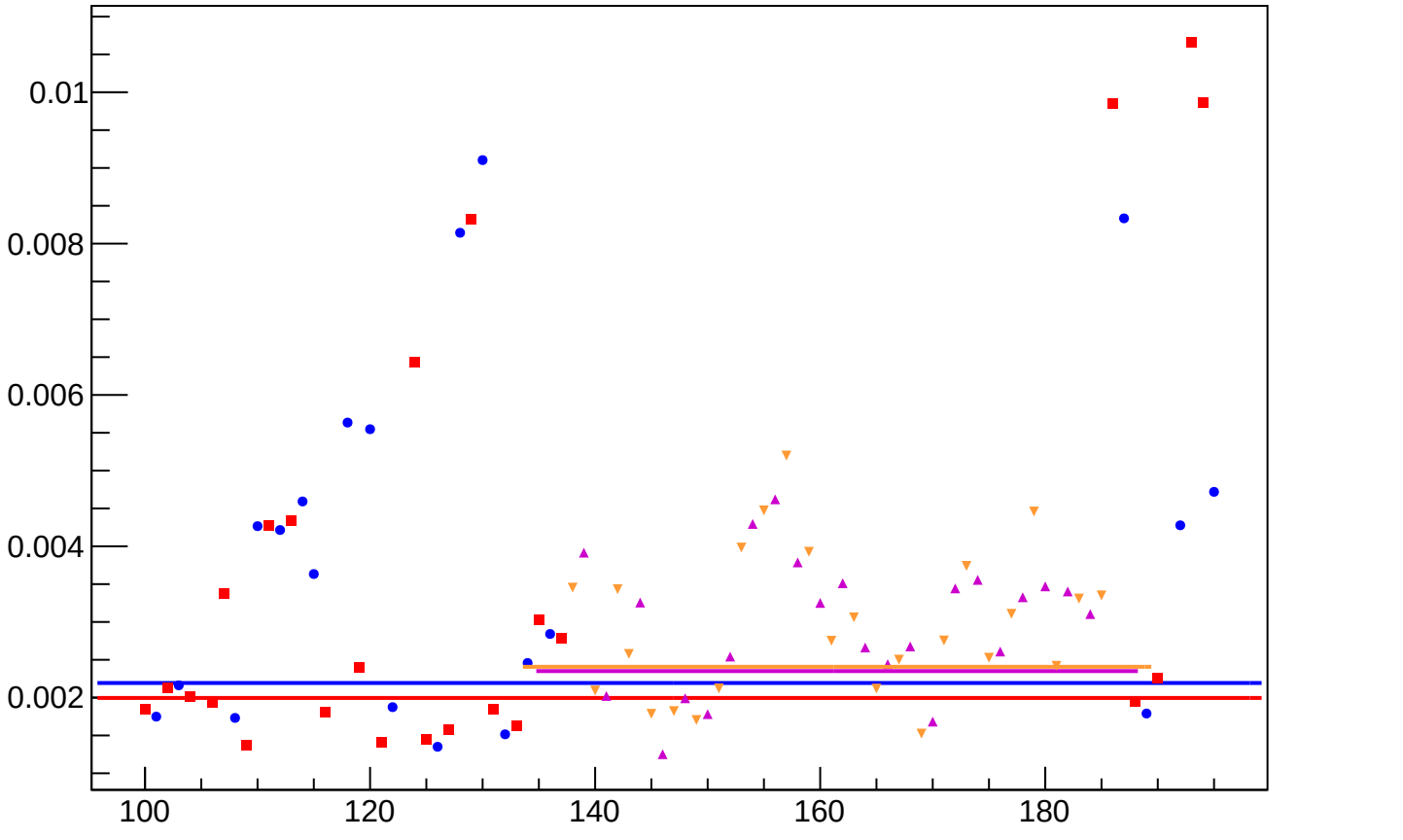
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/23

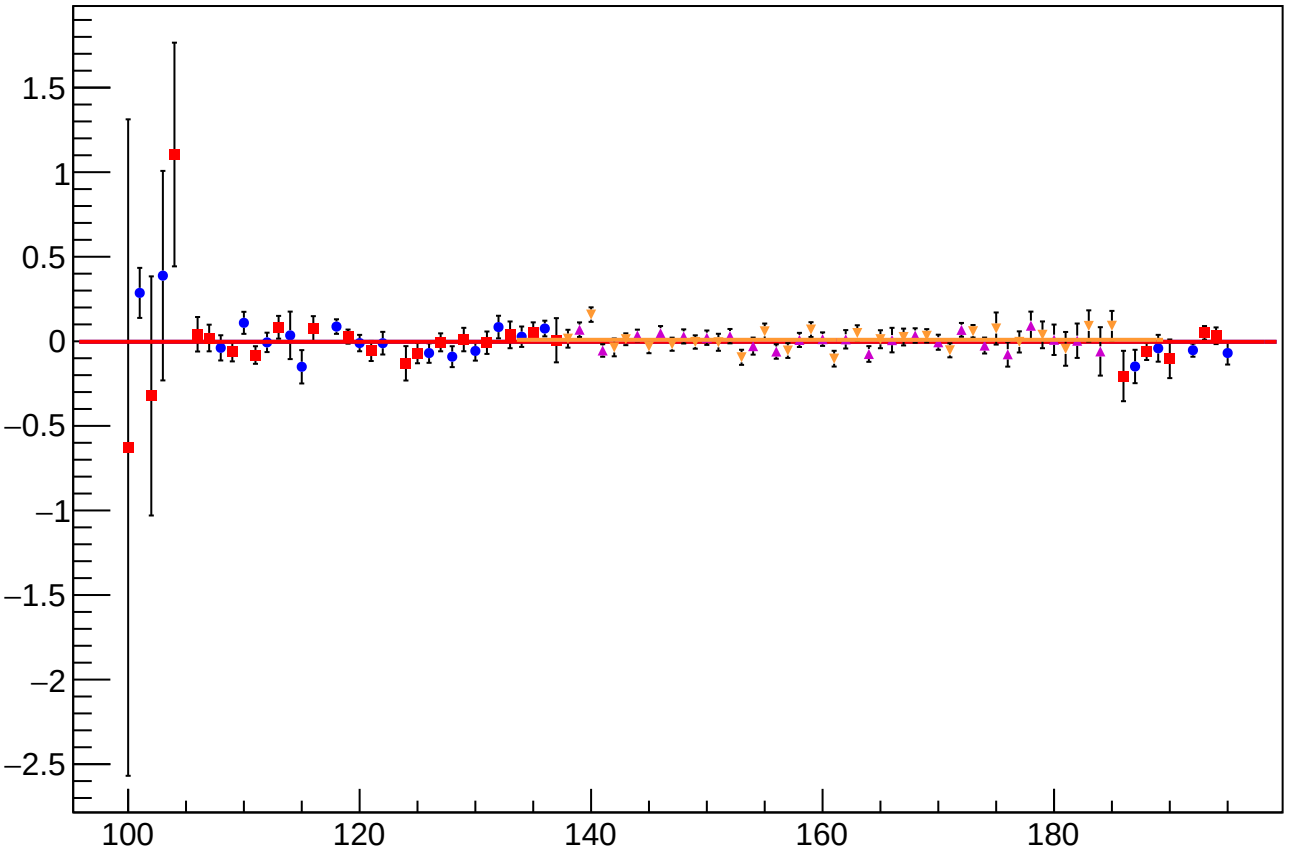
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/44

All: -0.000+/-0.000 χ^2/NDF: 92.2/91

- sign -0.000+/-0.000 χ^2/NDF: 40.9/46


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 4019255.7/19
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 4604215.2/23
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7791831.7/44
All: 0.002+/-0.000 χ²/NDF: 17184631.1/91
- sign 0.002+/-0.000 χ²/NDF: 9322330.1/46



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: 21.0/23

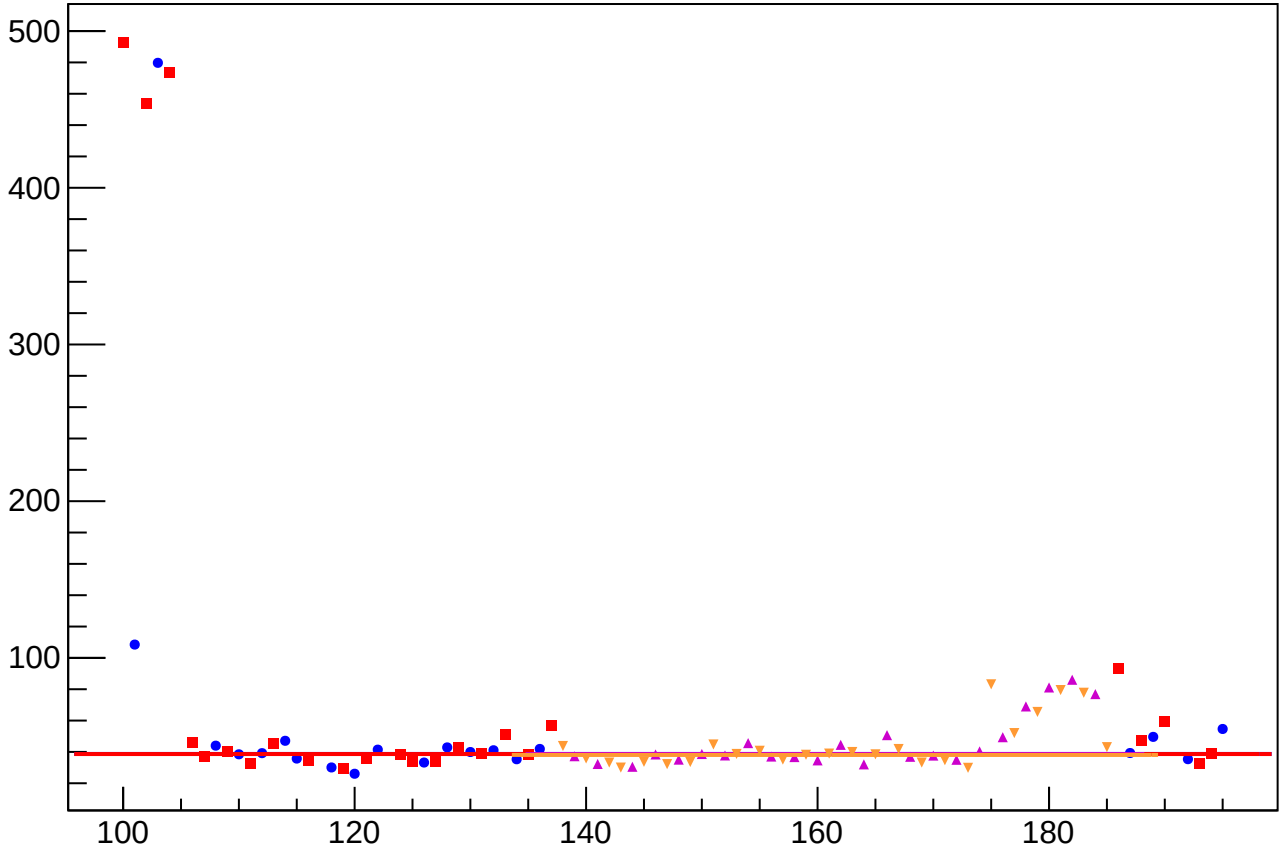
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 67.3/44

All: 0.005+/-0.006 χ^2/NDF: 107.6/91

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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

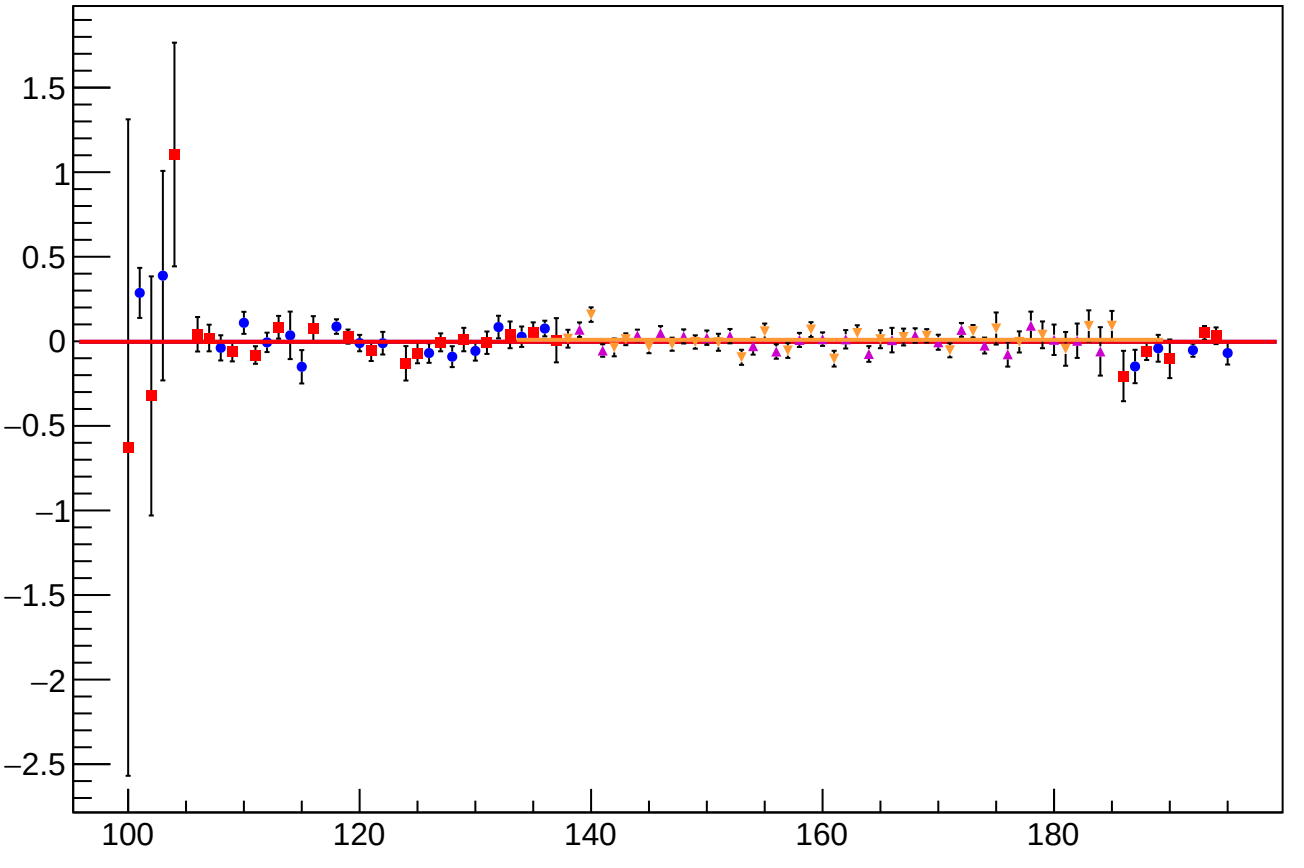
Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.269+/-0.006 χ^2/NDF: 3875991.3/44

All: 38.448+/-0.004 χ^2/NDF: 7997169.4/91

\- sign 38.633+/-0.006 χ^2/NDF: 4119088.9/46



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

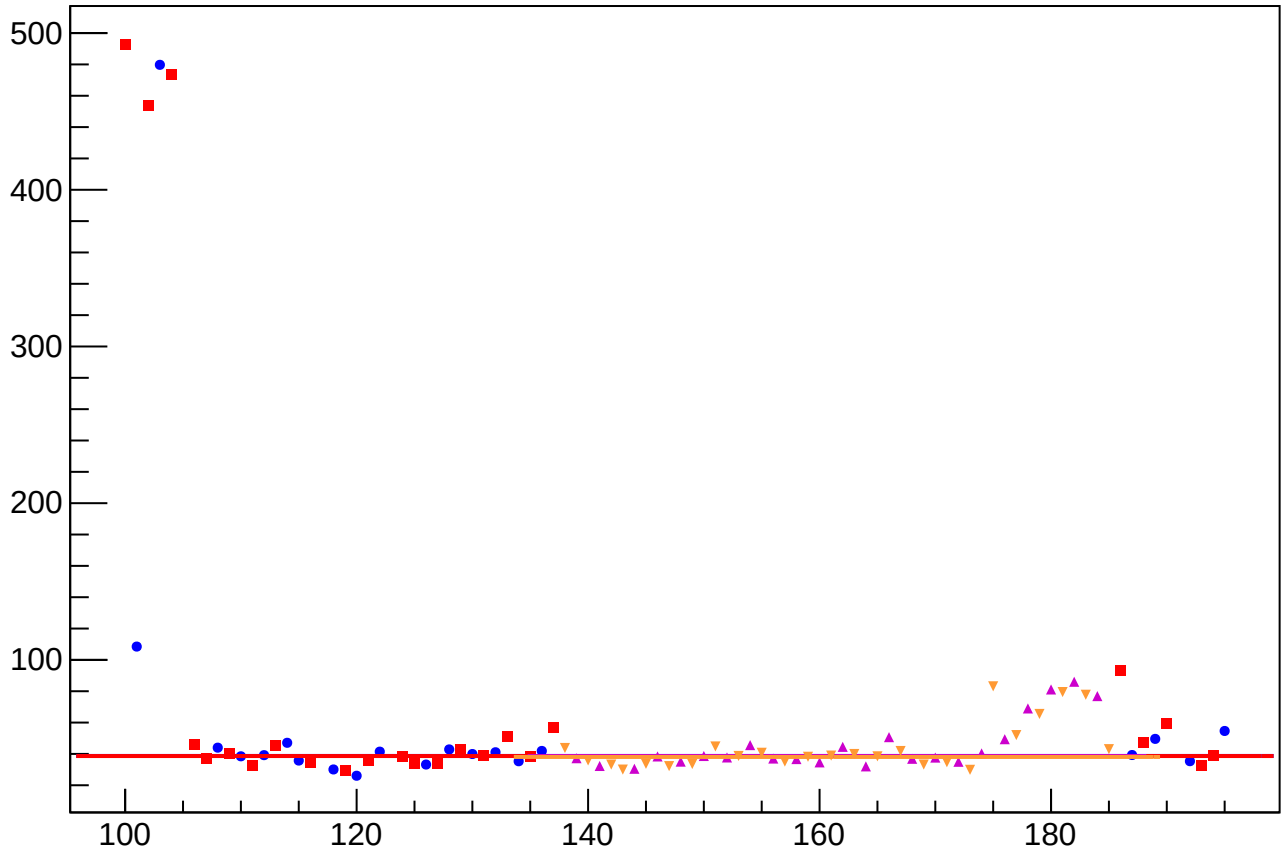
Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/23

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: 107.6/91

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46



Right In: 38.703+/-0.010 χ^2/NDF: 1906079.1/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

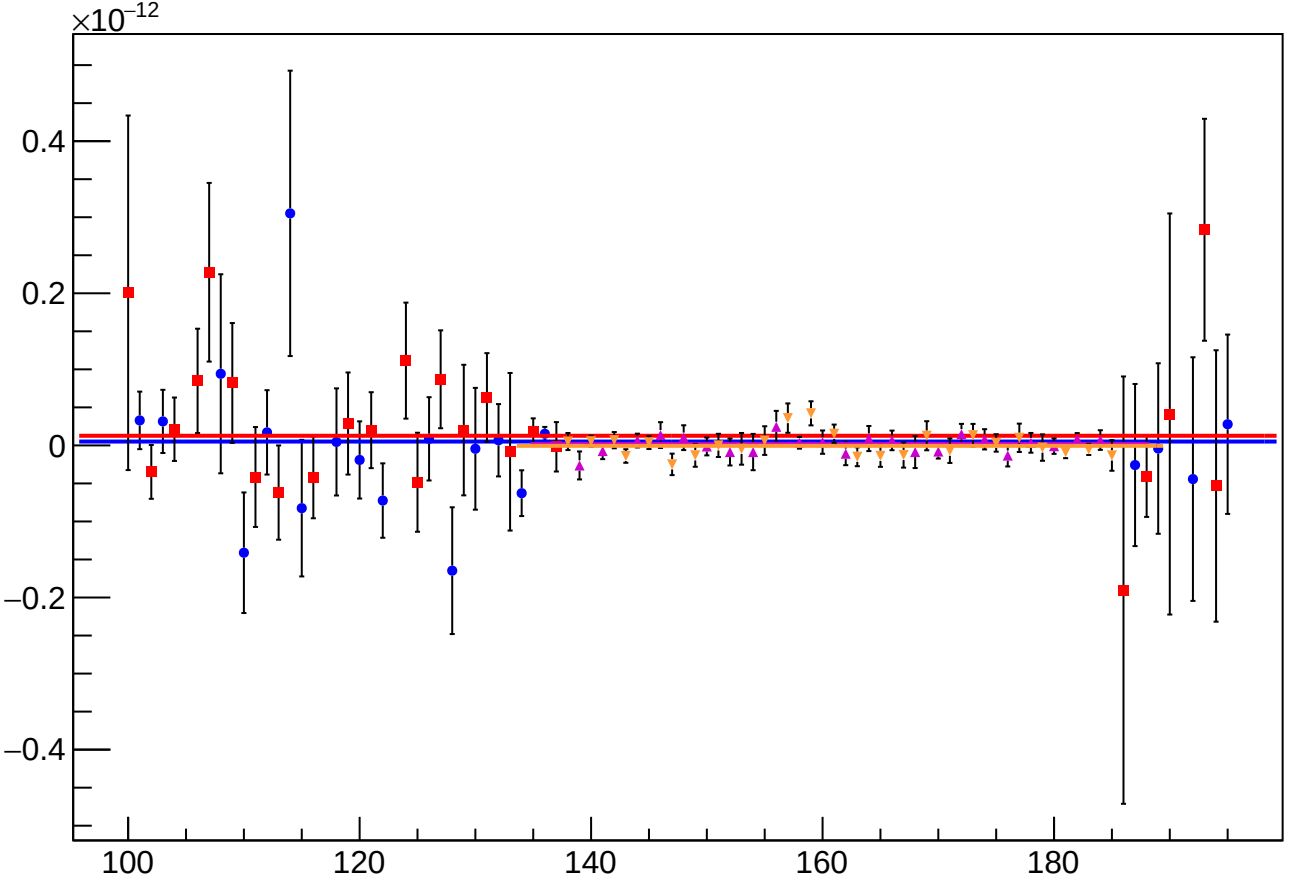
Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.269+/-0.006 χ^2/NDF: 3875991.3/44

All: 38.448+/-0.004 χ^2/NDF: 7997169.4/91

- sign 38.633+/-0.006 χ^2/NDF: 4119088.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

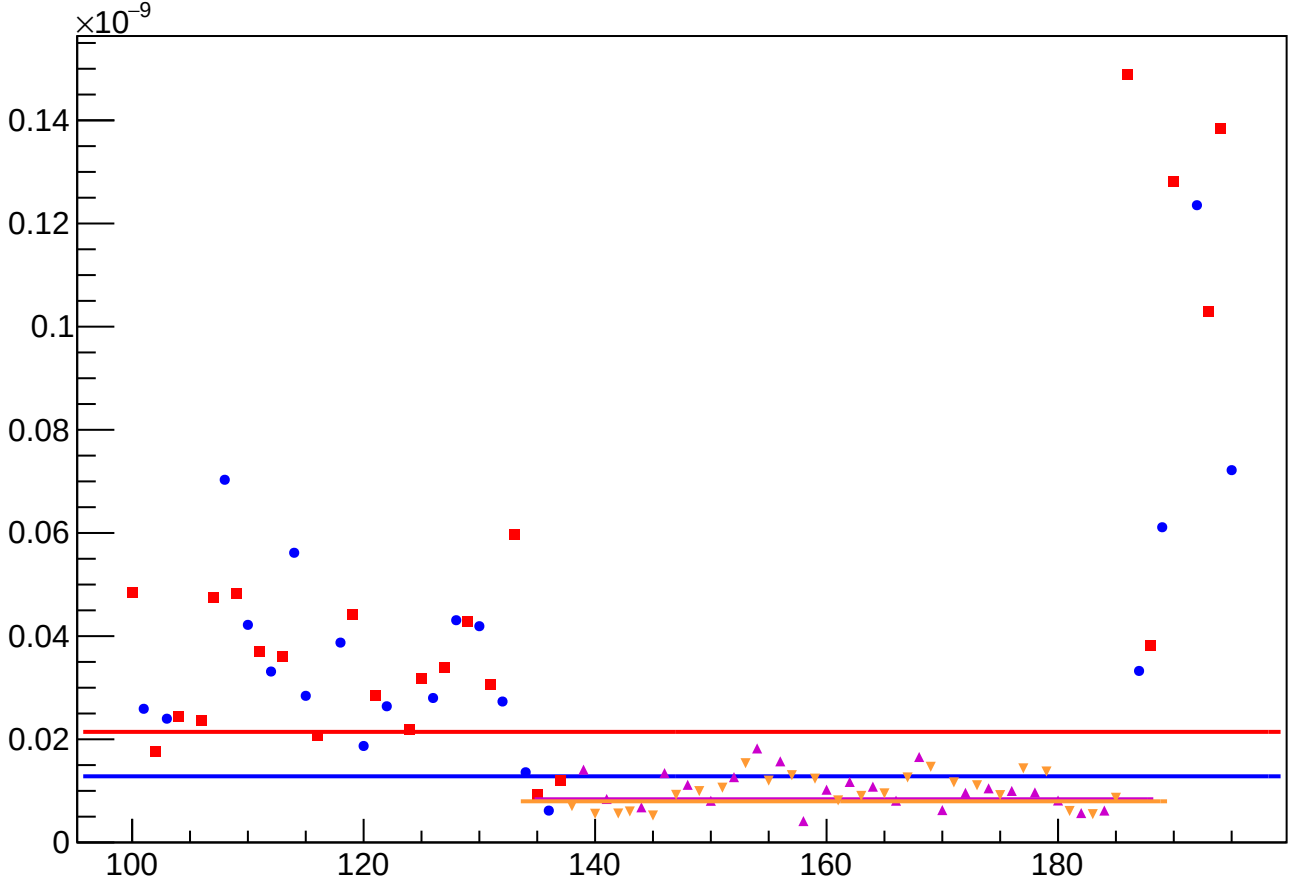
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/23

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: 83.6/91

- sign 0.000+/-0.000 χ^2/NDF: 33.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 5799571.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5102249.8/23

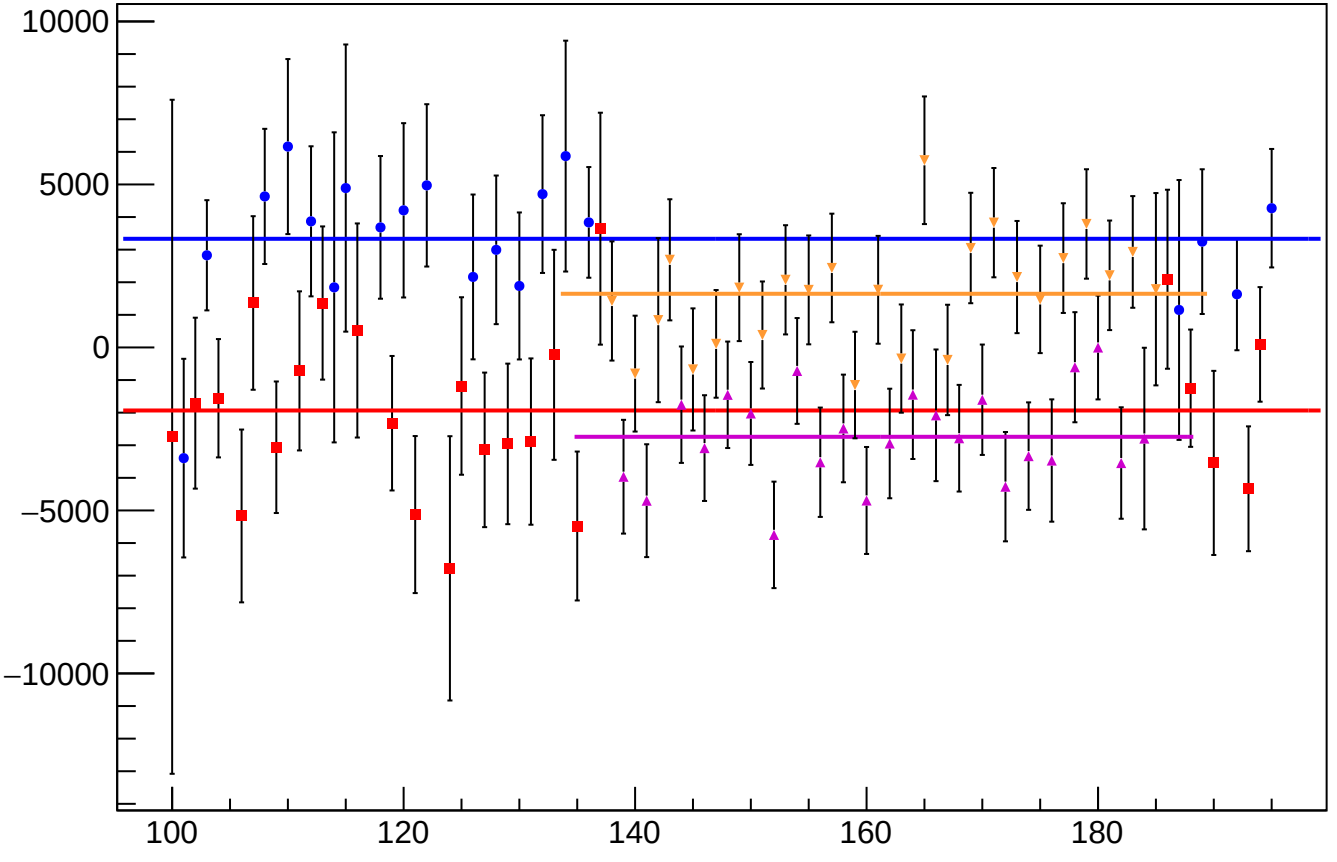
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9388311.7/44

All: 0.000+/-0.000 χ^2/NDF: 20392812.4/91

- sign 0.000+/-0.000 χ^2/NDF: 10916338.4/46

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: -1933.631+/-496.312 χ^2/NDF: 20.7/23

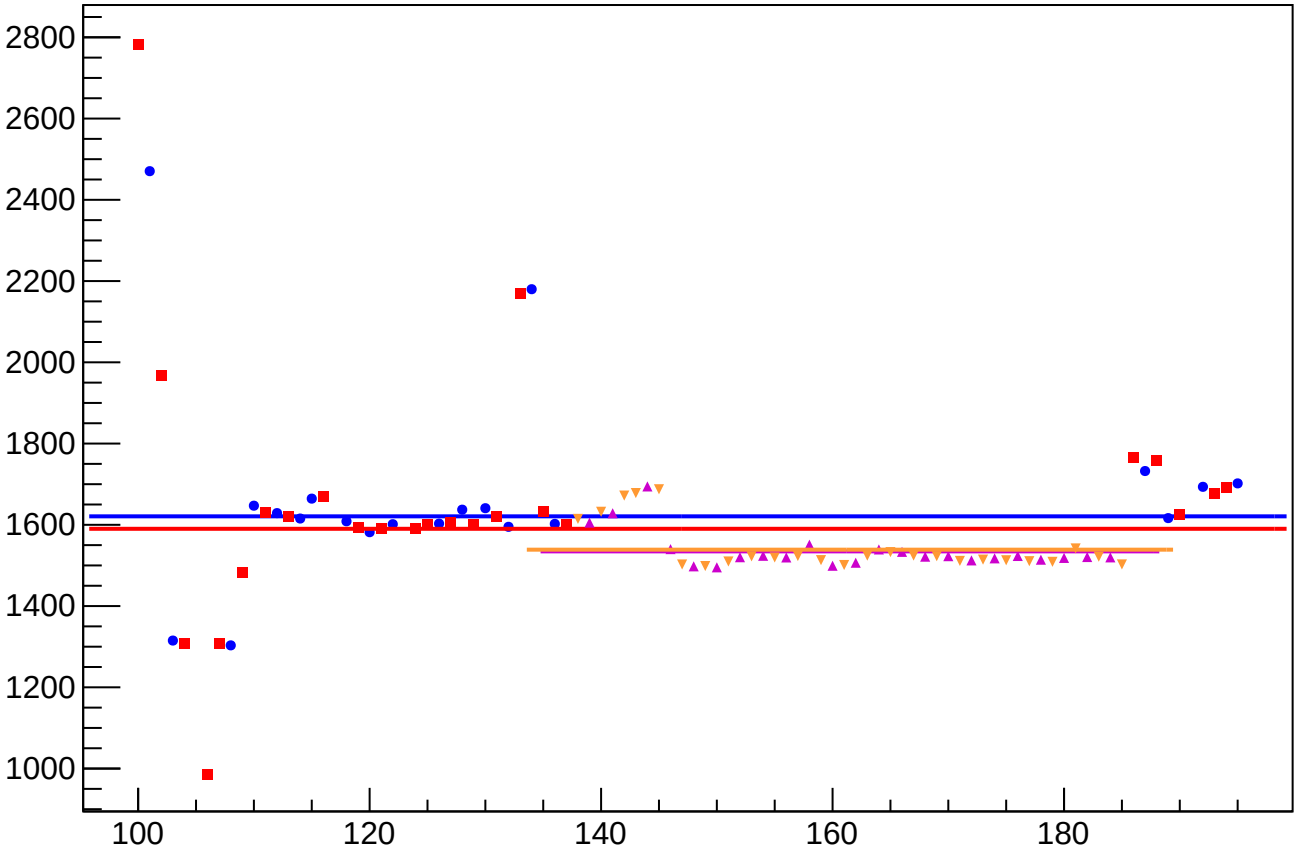
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.382+/-290.512 χ^2/NDF: 38.7/44

All: -146.760+/-205.451 χ^2/NDF: 204.7/91

- sign -2464.174+/-290.592 χ^2/NDF: 38.9/46

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: 1590.186+/-0.347 χ^2/NDF: 425090.4/23

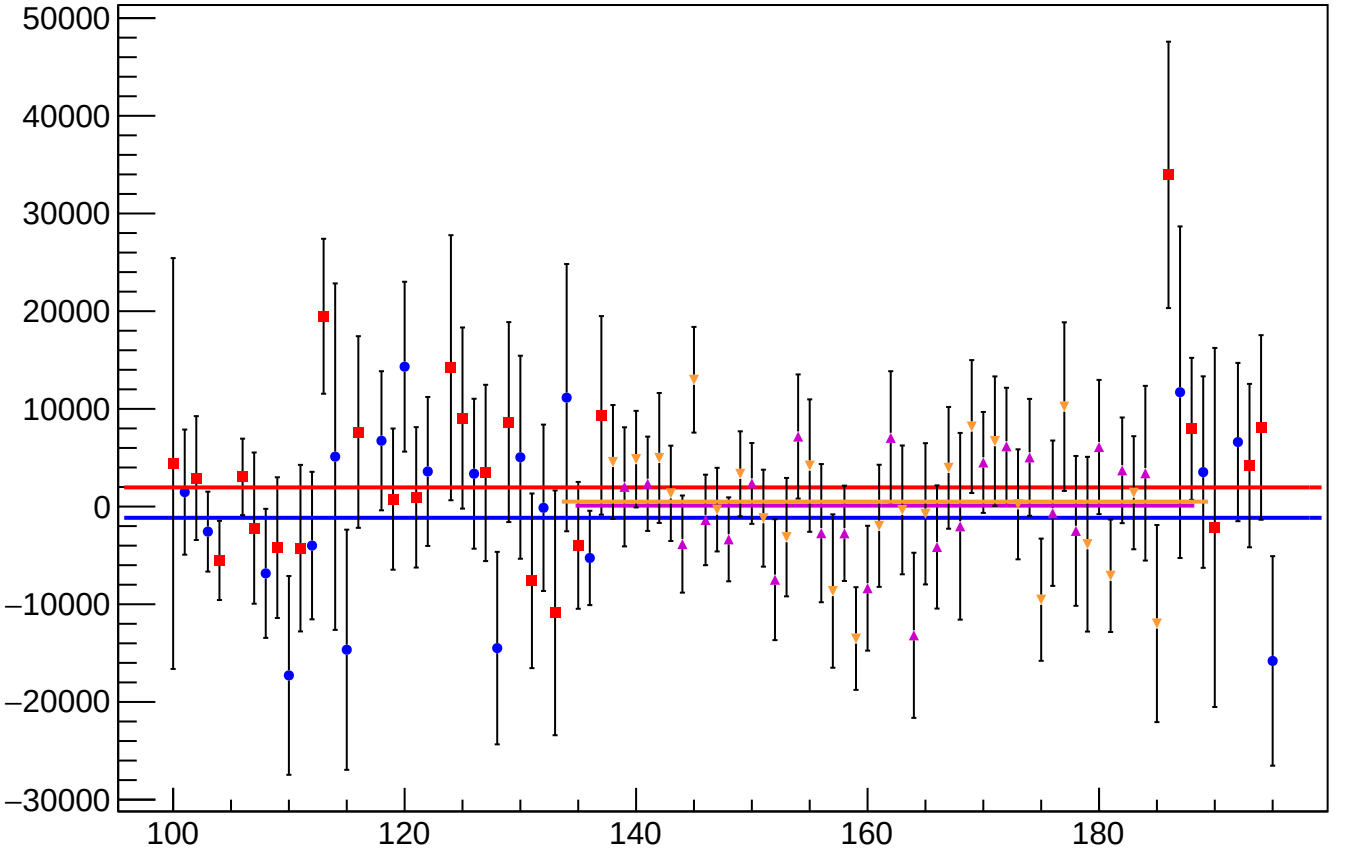
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409949.0/44

All: 1559.091+/-0.145 χ^2/NDF: 884159.1/91

- sign 1553.968+/-0.205 χ^2/NDF: 472951.4/46

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: 1960.736+/-1558.628 χ^2/NDF: 22.5/23

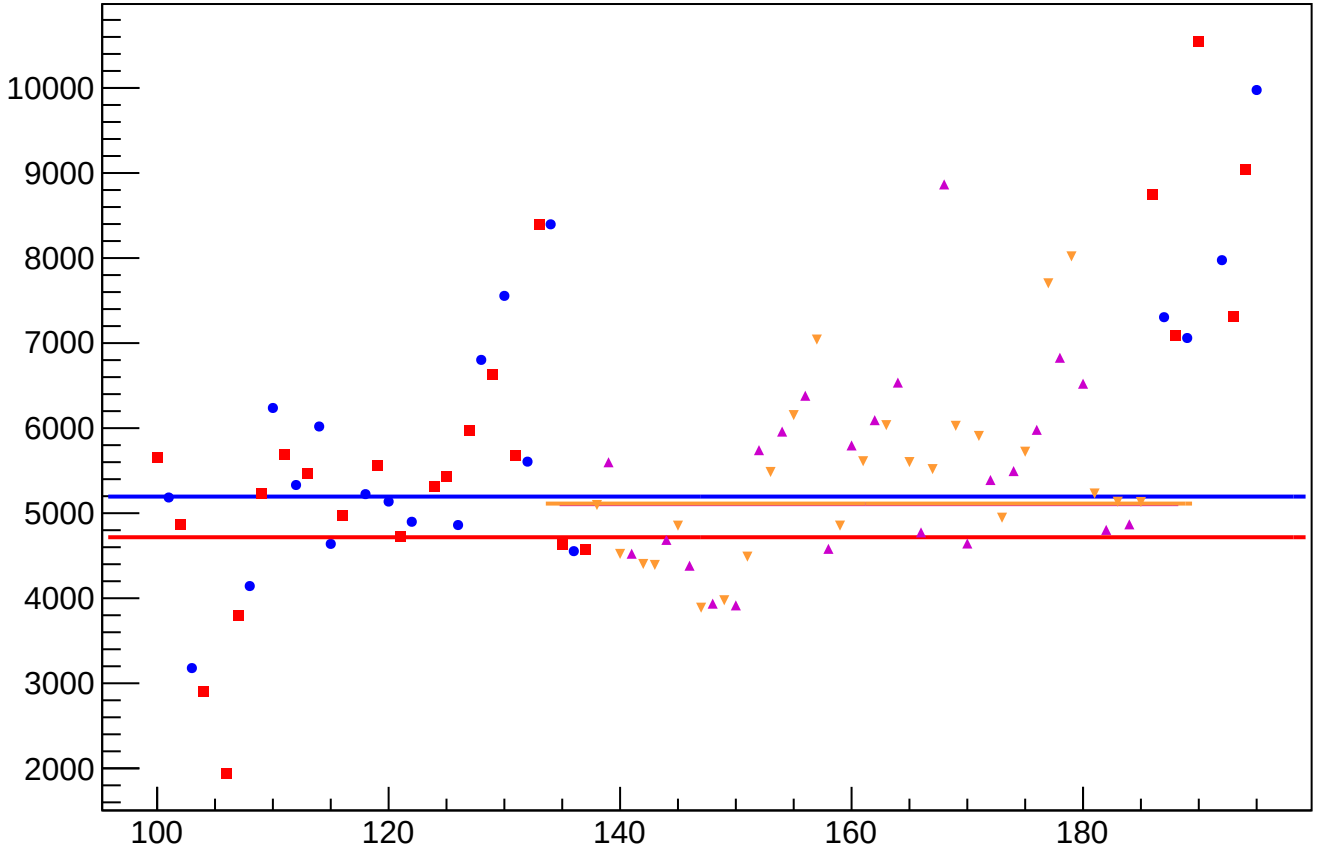
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.779+/-980.621 χ^2/NDF: 44.9/44

All: 400.035+/-685.820 χ^2/NDF: 83.5/91

- sign 803.887+/-959.514 χ^2/NDF: 38.2/46

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: 4717.255+/-1.102 χ^2/NDF: 3041976.0/23

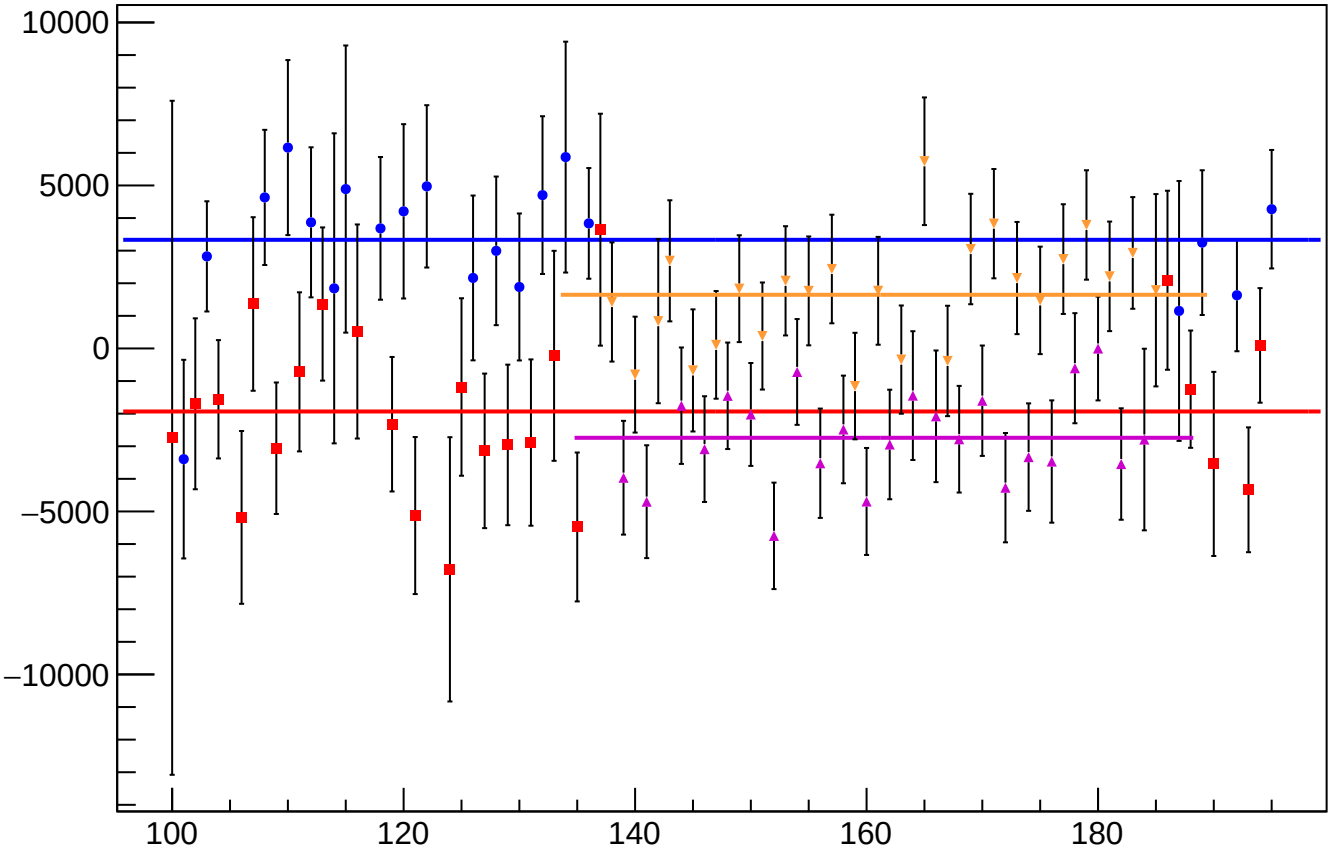
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5139.150+/-0.693 χ^2/NDF: 2777379.7/44

All: 5047.071+/-0.485 χ^2/NDF: 7182912.8/91

- sign 4958.912+/-0.678 χ^2/NDF: 4371016.0/46

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: -1933.620+/-496.314 χ^2/NDF: 20.7/23

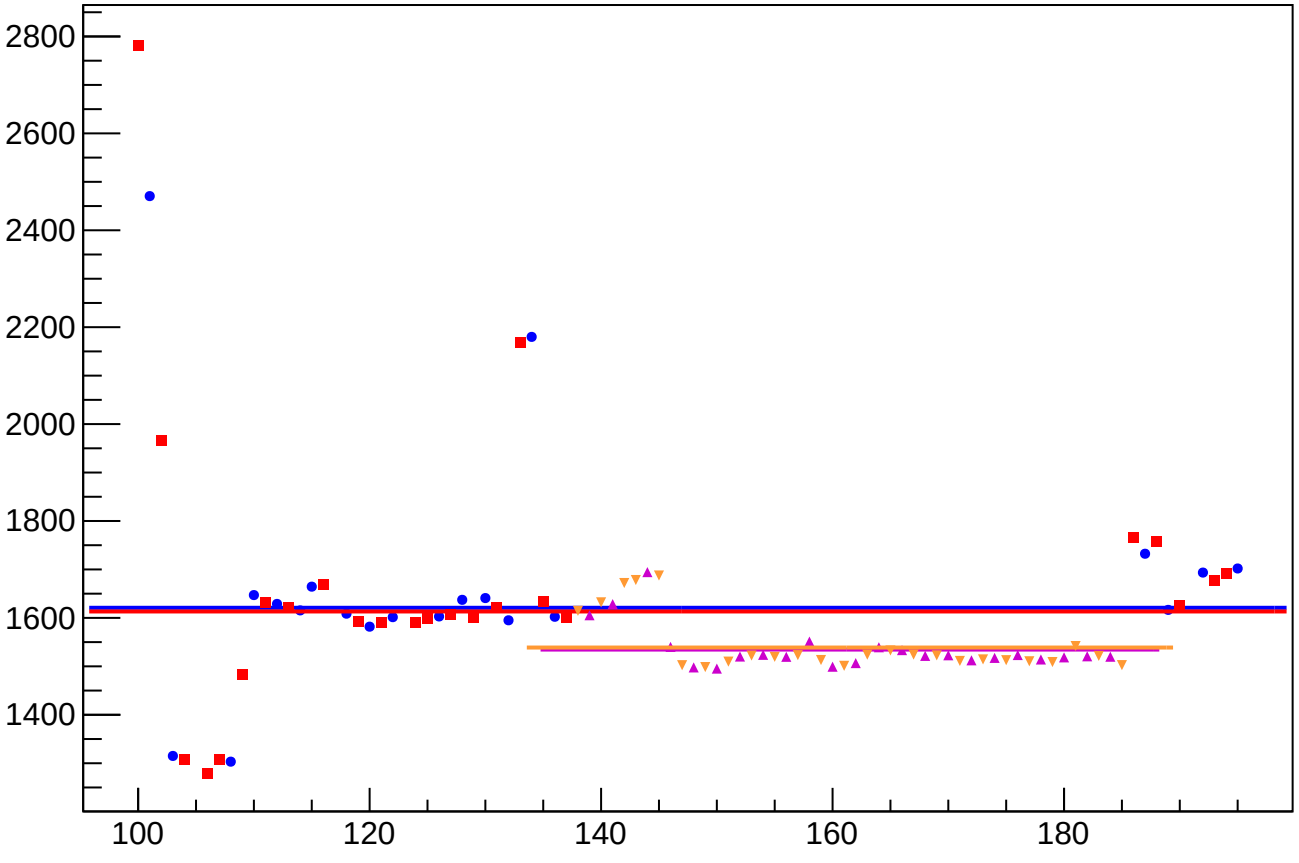
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.237+/-290.512 χ^2/NDF: 38.7/44

All: -146.797+/-205.451 χ^2/NDF: 204.7/91

- sign -2464.107+/-290.592 χ^2/NDF: 38.9/46

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: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

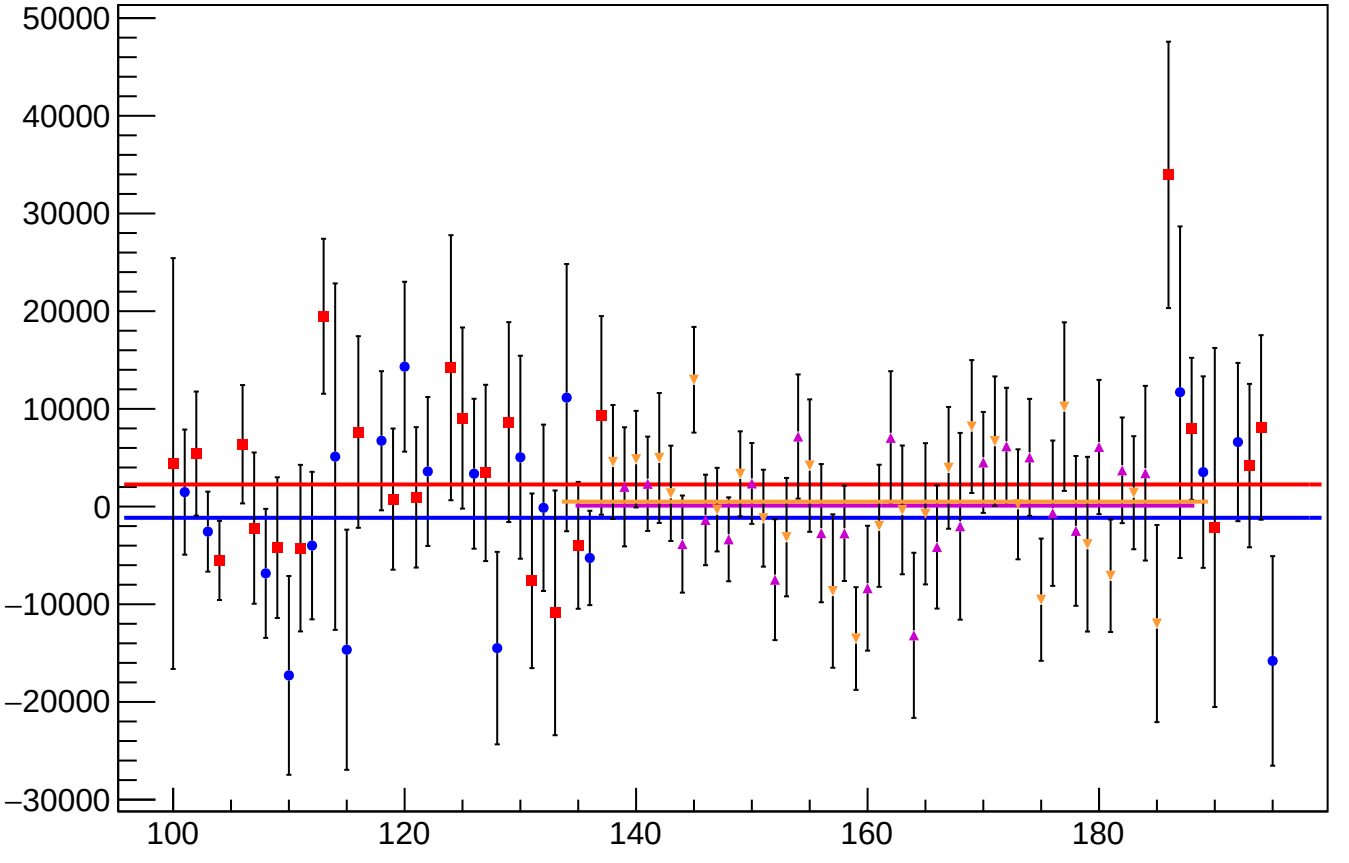
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409948.2/44

All: 1562.964+/-0.145 χ^2/NDF: 751079.0/91

- sign 1561.676+/-0.205 χ^2/NDF: 341051.9/46

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: 2262.313+/-1635.990 χ^2/NDF: 23.2/23

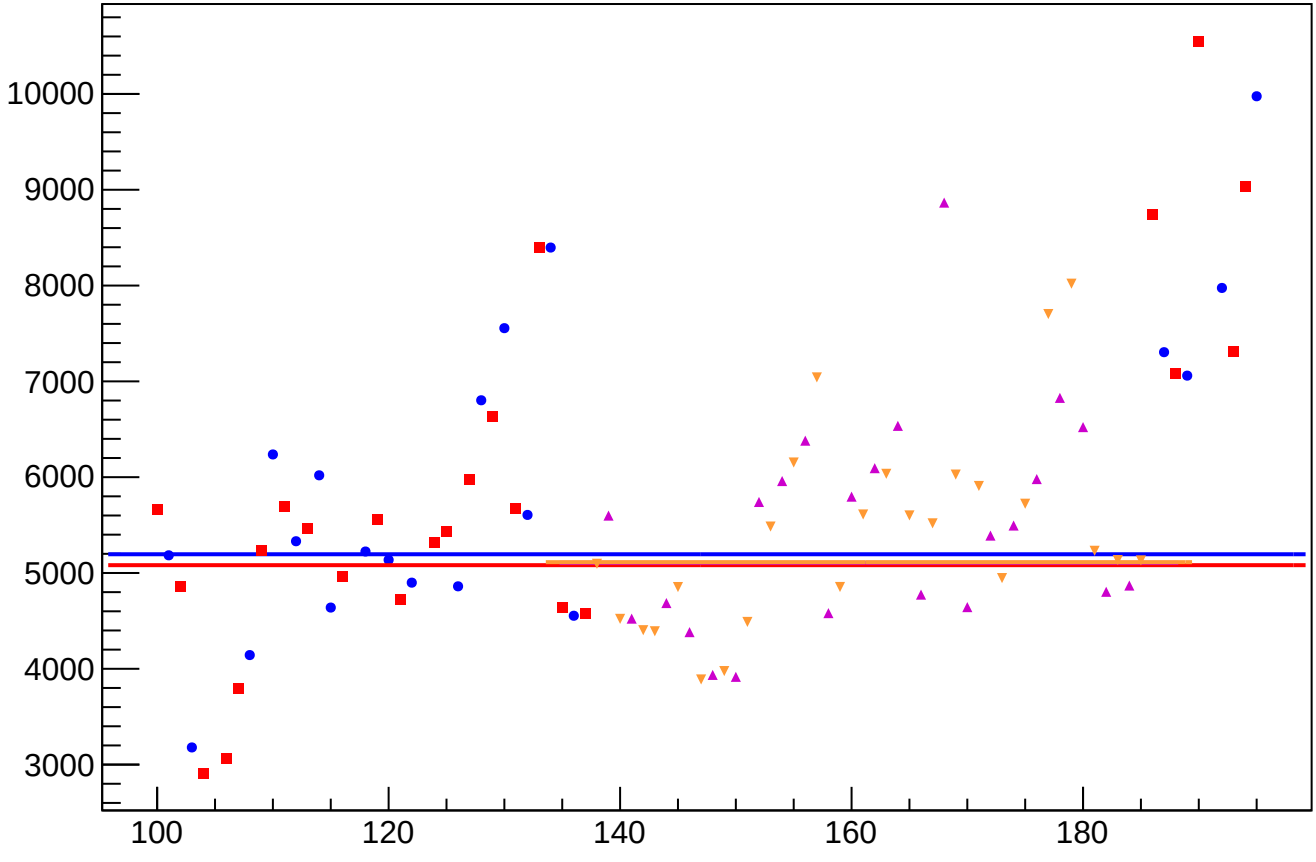
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.822+/-980.626 χ^2/NDF: 44.9/44

All: 425.575+/-692.035 χ^2/NDF: 84.5/91

- sign 869.448+/-976.757 χ^2/NDF: 39.2/46

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: 5081.549+/-1.157 χ^2/NDF: 2084753.8/23

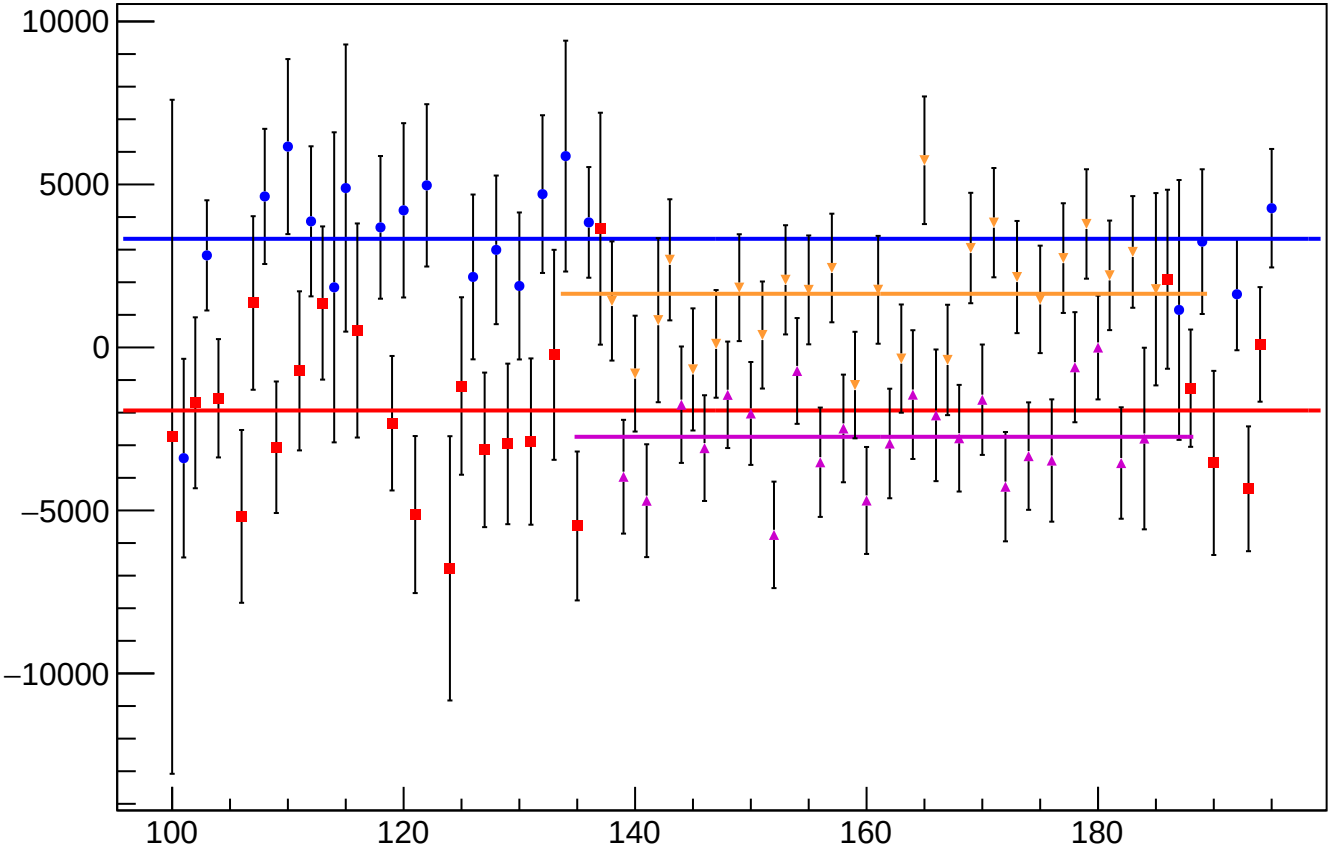
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5139.187+/-0.693 χ^2/NDF: 2777141.8/44

All: 5118.277+/-0.489 χ^2/NDF: 6115626.6/91

- sign 5097.531+/-0.691 χ^2/NDF: 3336673.3/46

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: -1933.620+/-496.314 χ^2/NDF: 20.7/23

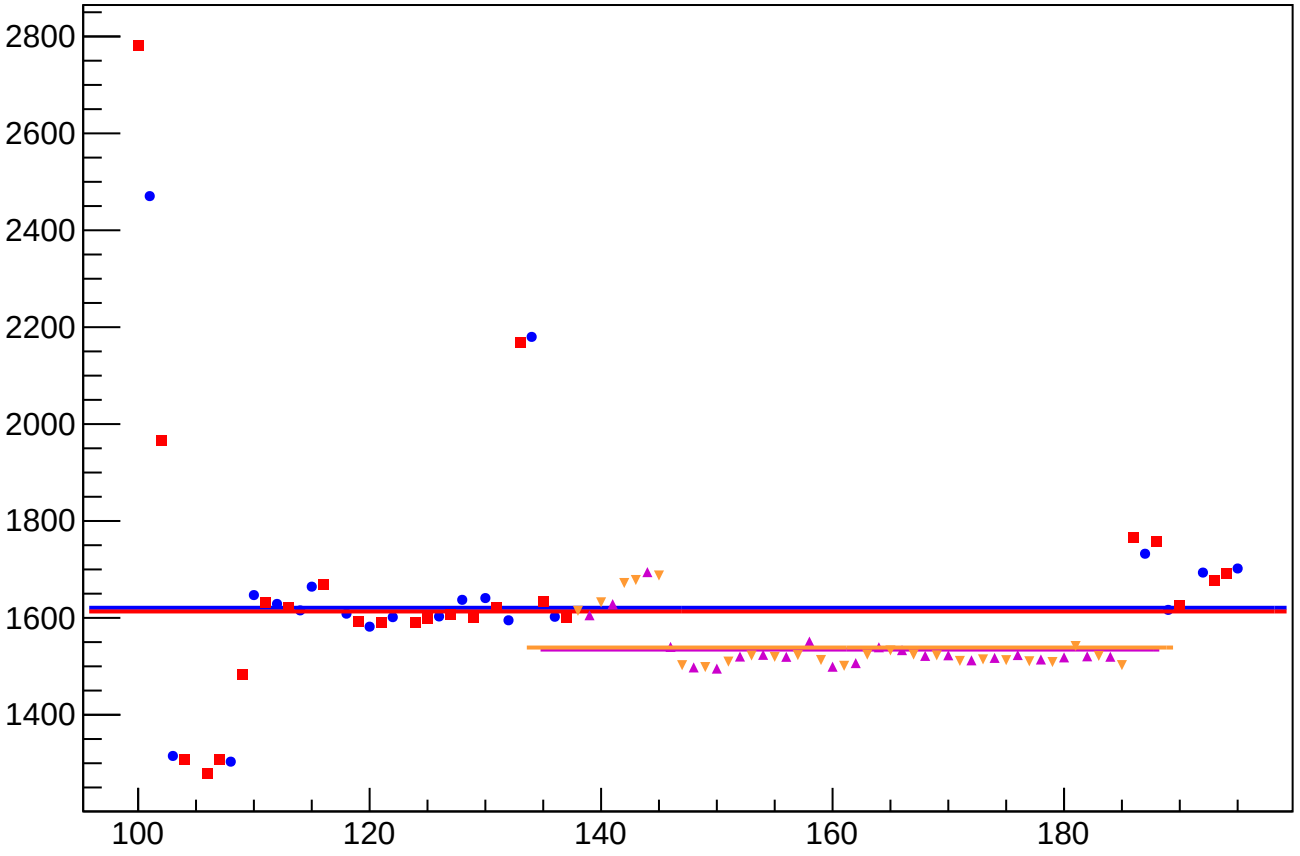
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2169.237+/-290.512 χ^2/NDF: 38.7/44

All: -146.797+/-205.451 χ^2/NDF: 204.7/91

- sign -2464.107+/-290.592 χ^2/NDF: 38.9/46

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: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

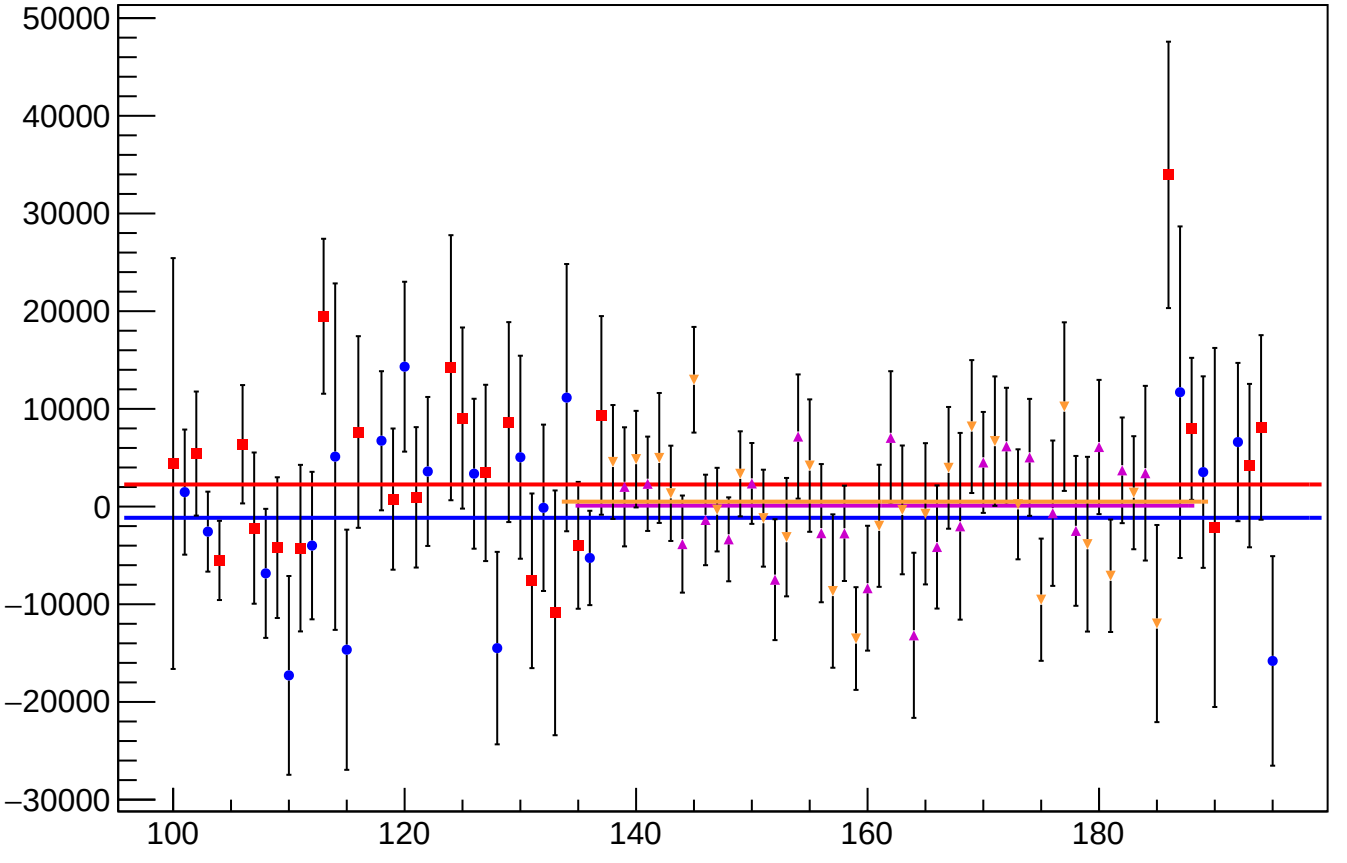
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1564.255+/-0.205 χ^2/NDF: 409948.2/44

All: 1562.964+/-0.145 χ^2/NDF: 751079.0/91

- sign 1561.676+/-0.205 χ^2/NDF: 341051.9/46

asym_usr_atr2_avg_eigen_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

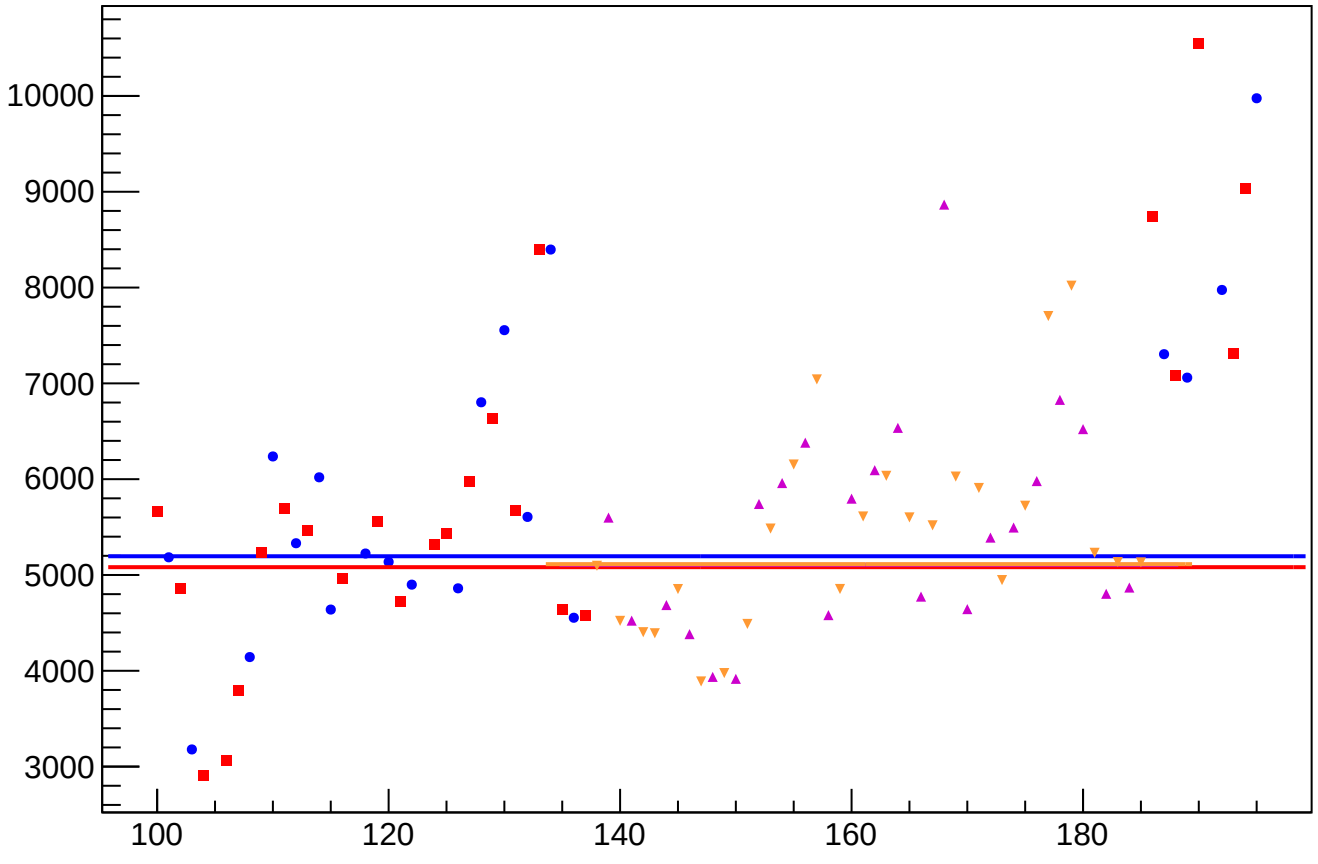
Right Out: 2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -21.822+/-980.626 χ^2/NDF: 44.9/44

All: 425.575+/-692.035 χ^2/NDF: 84.5/91

- sign 869.448+/-976.757 χ^2/NDF: 39.2/46



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: 5081.549+/-1.157 χ^2/NDF: 2084753.8/23

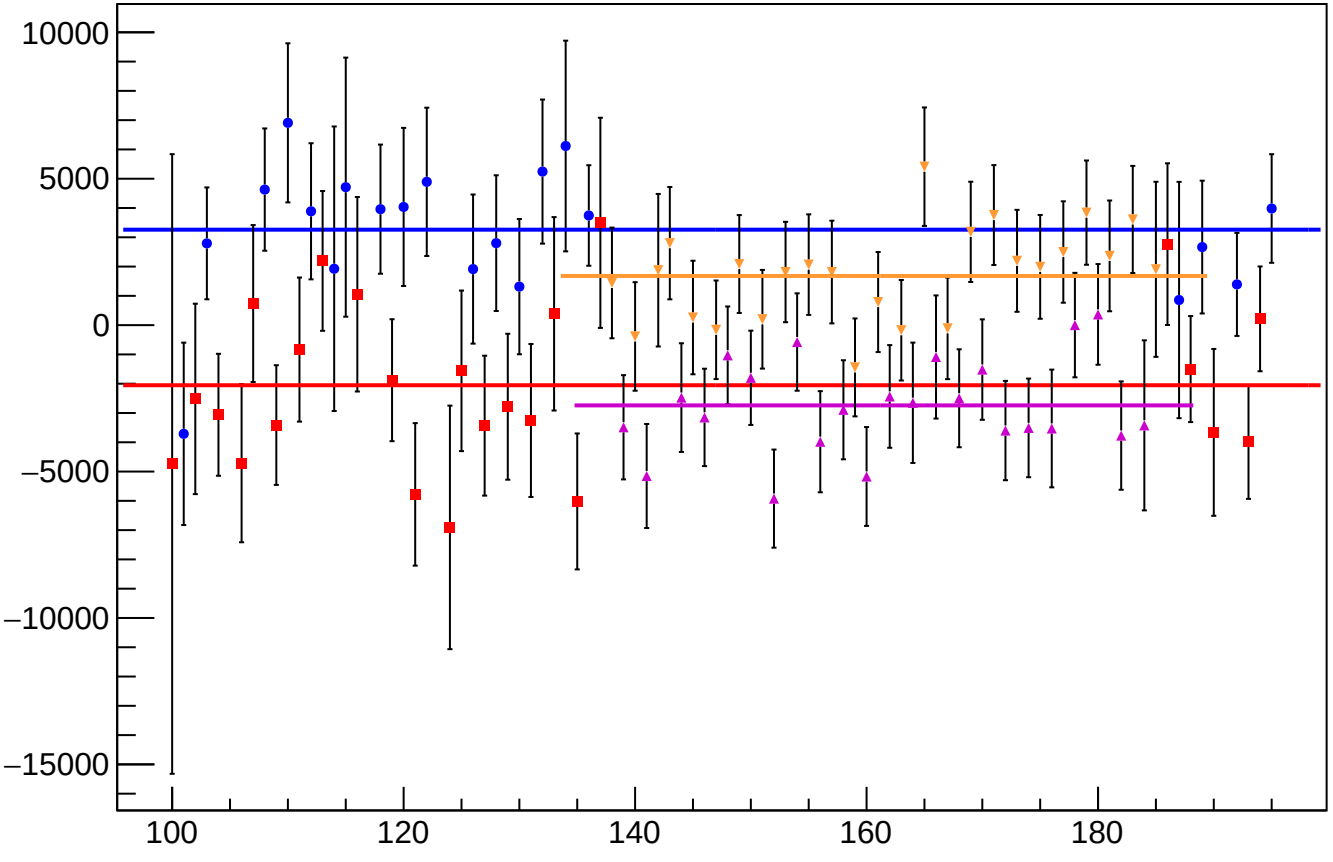
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5139.187+/-0.693 χ^2/NDF: 2777141.8/44

All: 5118.277+/-0.489 χ^2/NDF: 6115626.6/91

- sign 5097.531+/-0.691 χ^2/NDF: 3336673.3/46

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: -2052.518+/-509.892 χ^2/NDF: 23.4/23

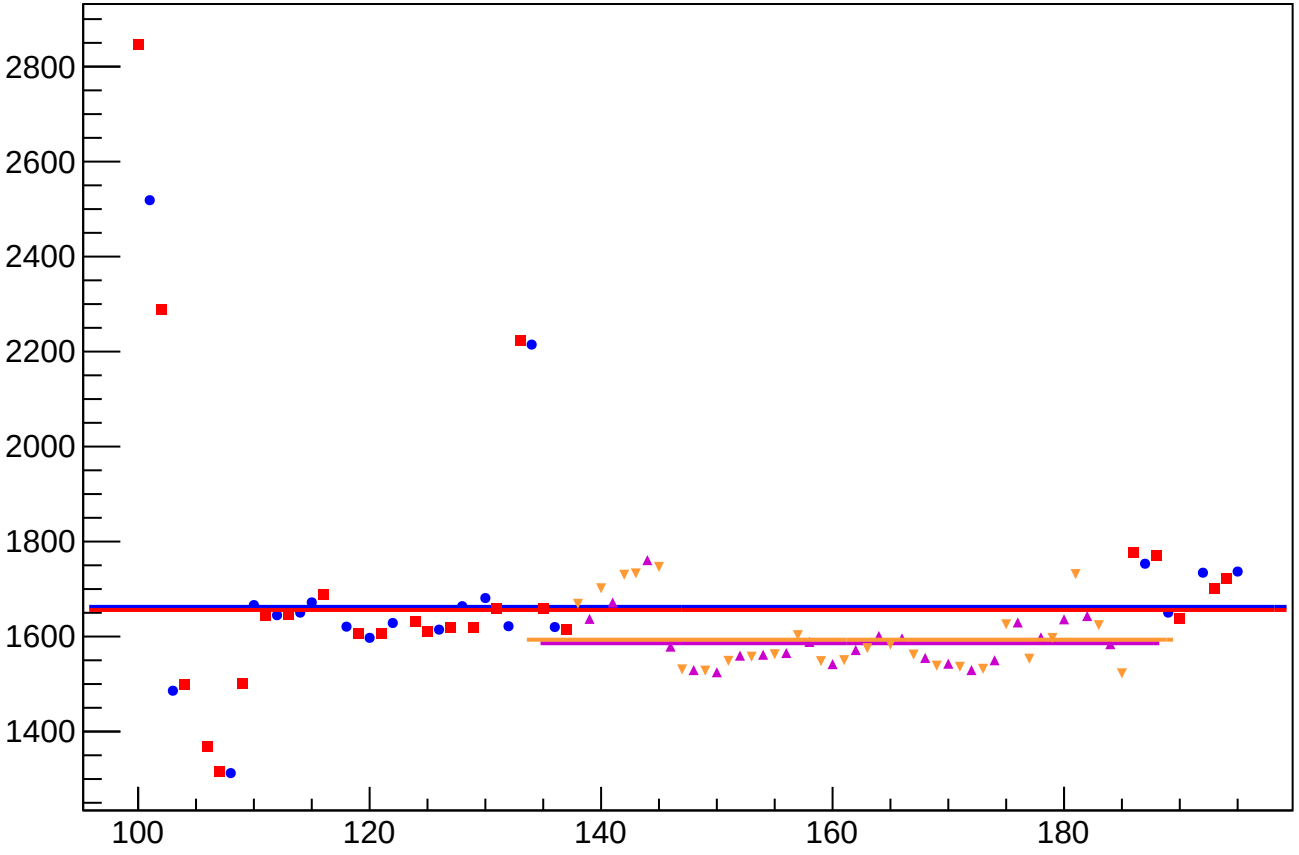
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2176.849+/-299.970 χ^2/NDF: 37.2/44

All: -164.420+/-212.045 χ^2/NDF: 202.7/91

- sign -2502.794+/-299.784 χ^2/NDF: 43.8/46

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: 1656.003+/-0.360 χ^2/NDF: 258021.5/23

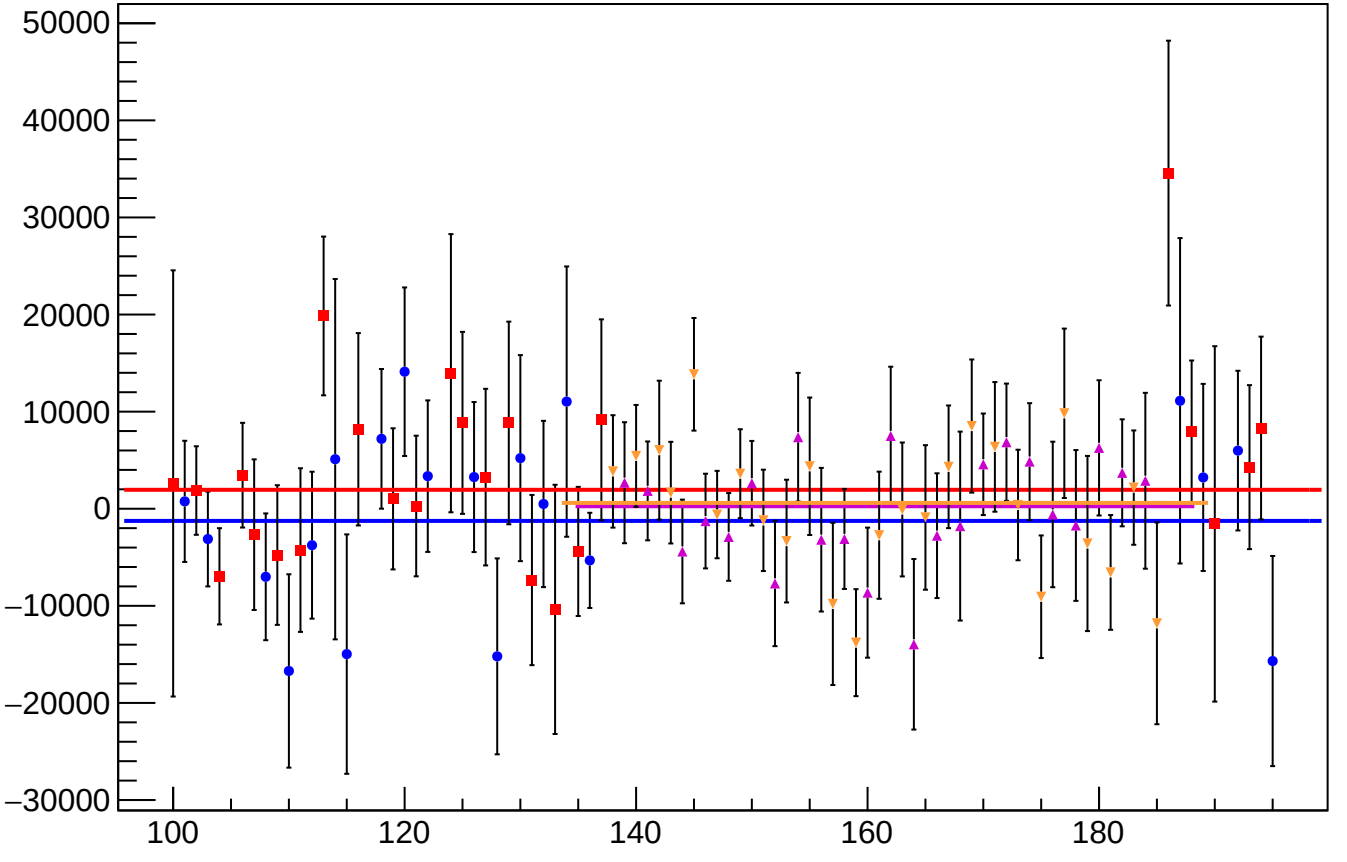
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1615.140+/-0.212 χ^2/NDF: 378969.0/44

All: 1612.650+/-0.150 χ^2/NDF: 703925.2/91

- sign 1610.164+/-0.212 χ^2/NDF: 324680.8/46

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: 1949.737+/-1623.516 χ^2/NDF: 22.4/23

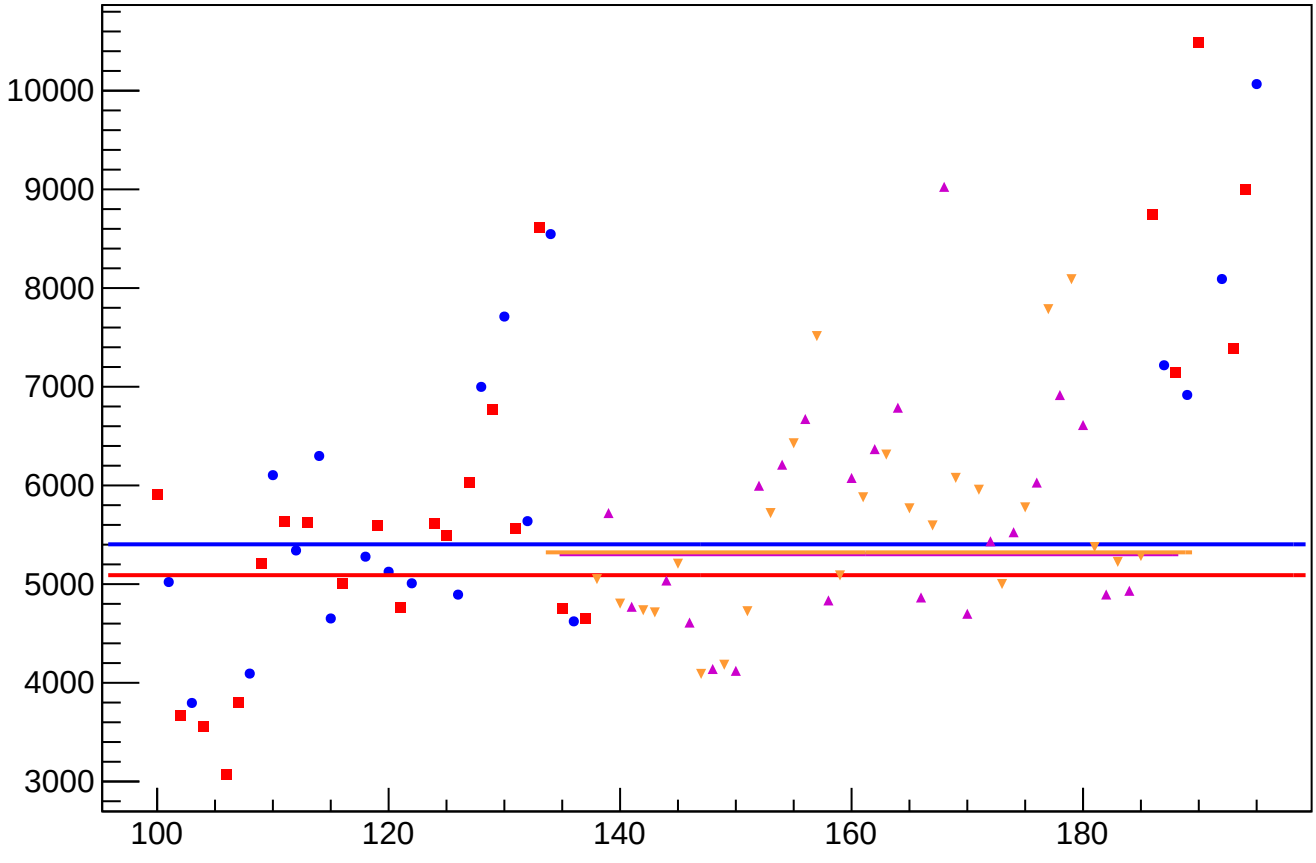
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 6.331+/-1016.466 χ^2/NDF: 44.0/44

All: 459.026+/-711.651 χ^2/NDF: 82.1/91

- sign 894.269+/-996.680 χ^2/NDF: 37.8/46

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: 5090.736+/-1.148 χ^2/NDF: 1969329.7/23

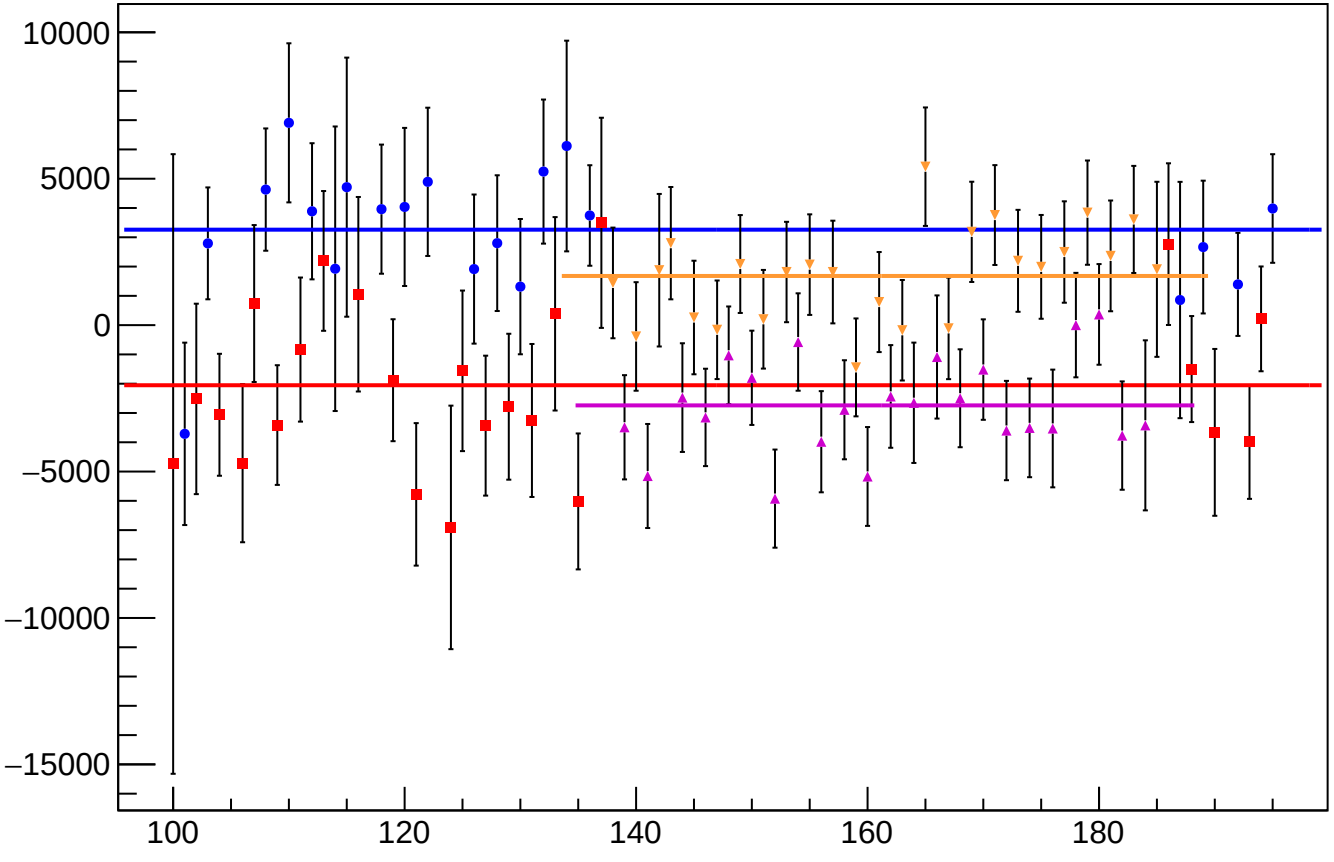
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5348.066+/-0.719 χ^2/NDF: 2339959.3/44

All: 5284.258+/-0.503 χ^2/NDF: 5498397.0/91

- sign 5222.909+/-0.705 χ^2/NDF: 3142978.8/46

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: -2052.522+/-509.892 χ^2/NDF: 23.4/23

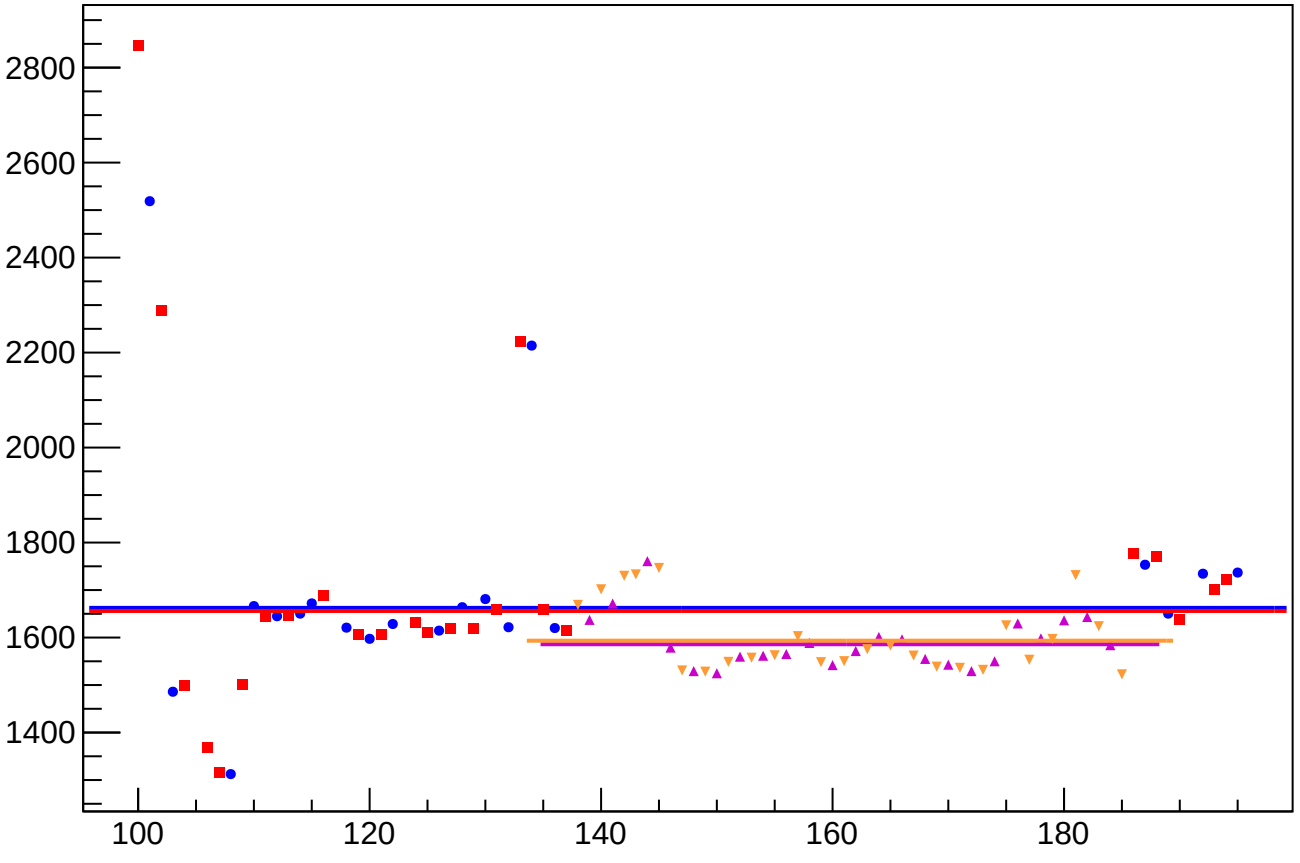
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2176.845+/-299.970 χ^2/NDF: 37.2/44

All: -164.423+/-212.045 χ^2/NDF: 202.7/91

- sign -2502.796+/-299.785 χ^2/NDF: 43.8/46

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

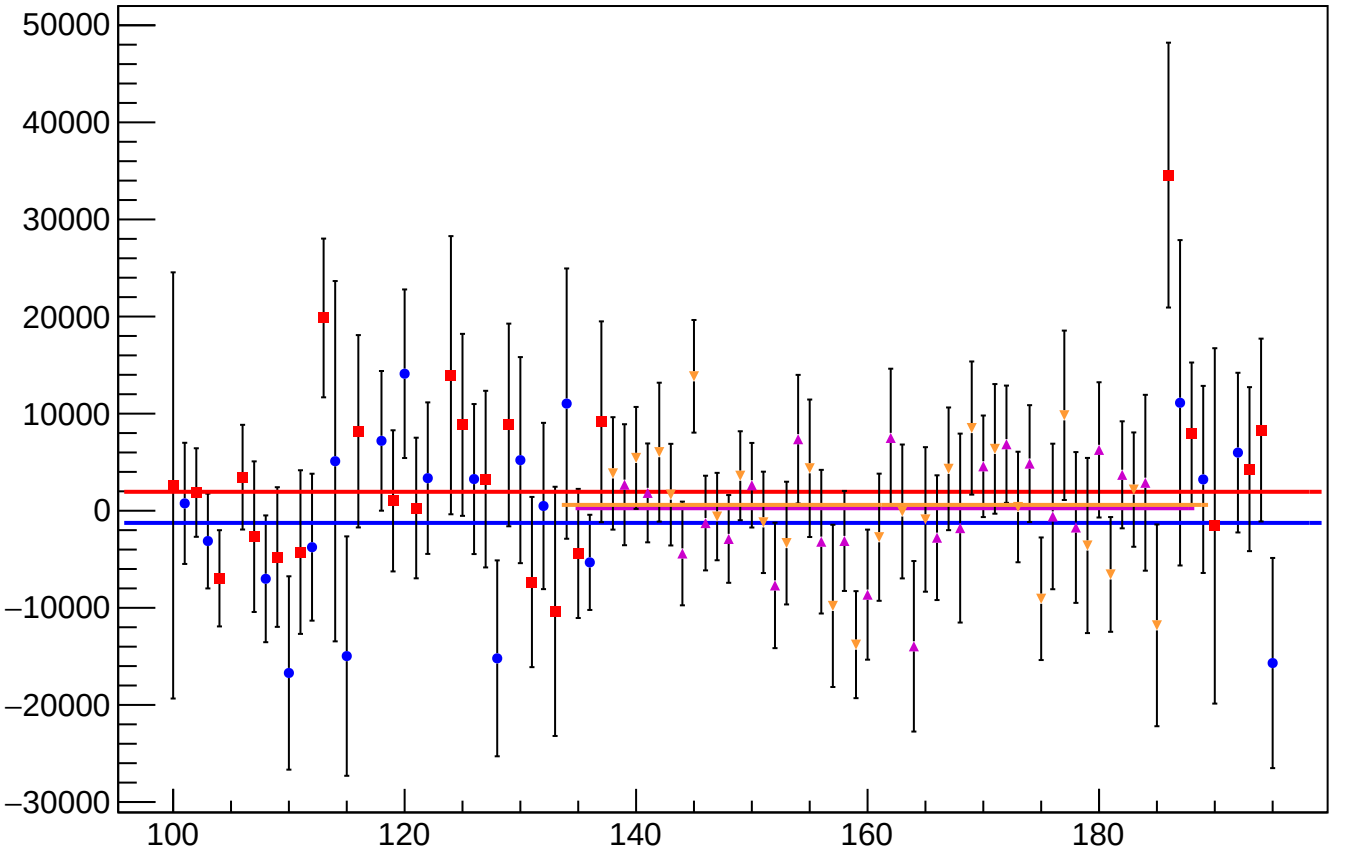
Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.3/23

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1615.140+/-0.212 χ^2/NDF: 378968.1/44

All: 1612.650+/-0.150 χ^2/NDF: 703923.0/91

\- sign 1610.164+/-0.212 χ^2/NDF: 324679.5/46



Right In: -1253.239+/-1794.056 χ^2/NDF: 17.2/19

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

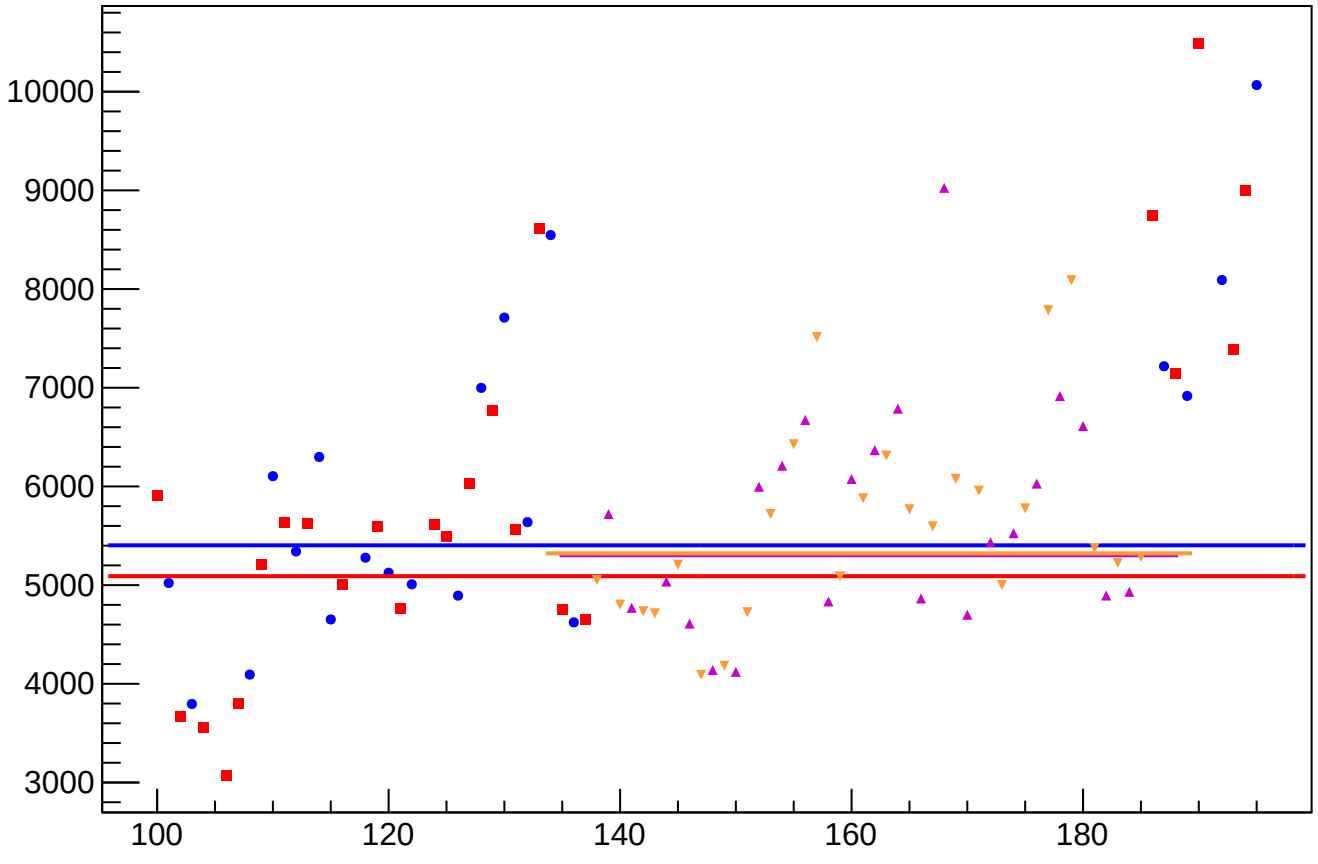
Right Out: 1949.735+/-1623.514 χ^2/NDF: 22.4/23

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 6.331+/-1016.467 χ^2/NDF: 44.0/44

All: 459.028+/-711.652 χ^2/NDF: 82.1/91

- sign 894.272+/-996.680 χ^2/NDF: 37.8/46



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: 5090.729+/-1.148 χ^2/NDF: 1969327.5/23

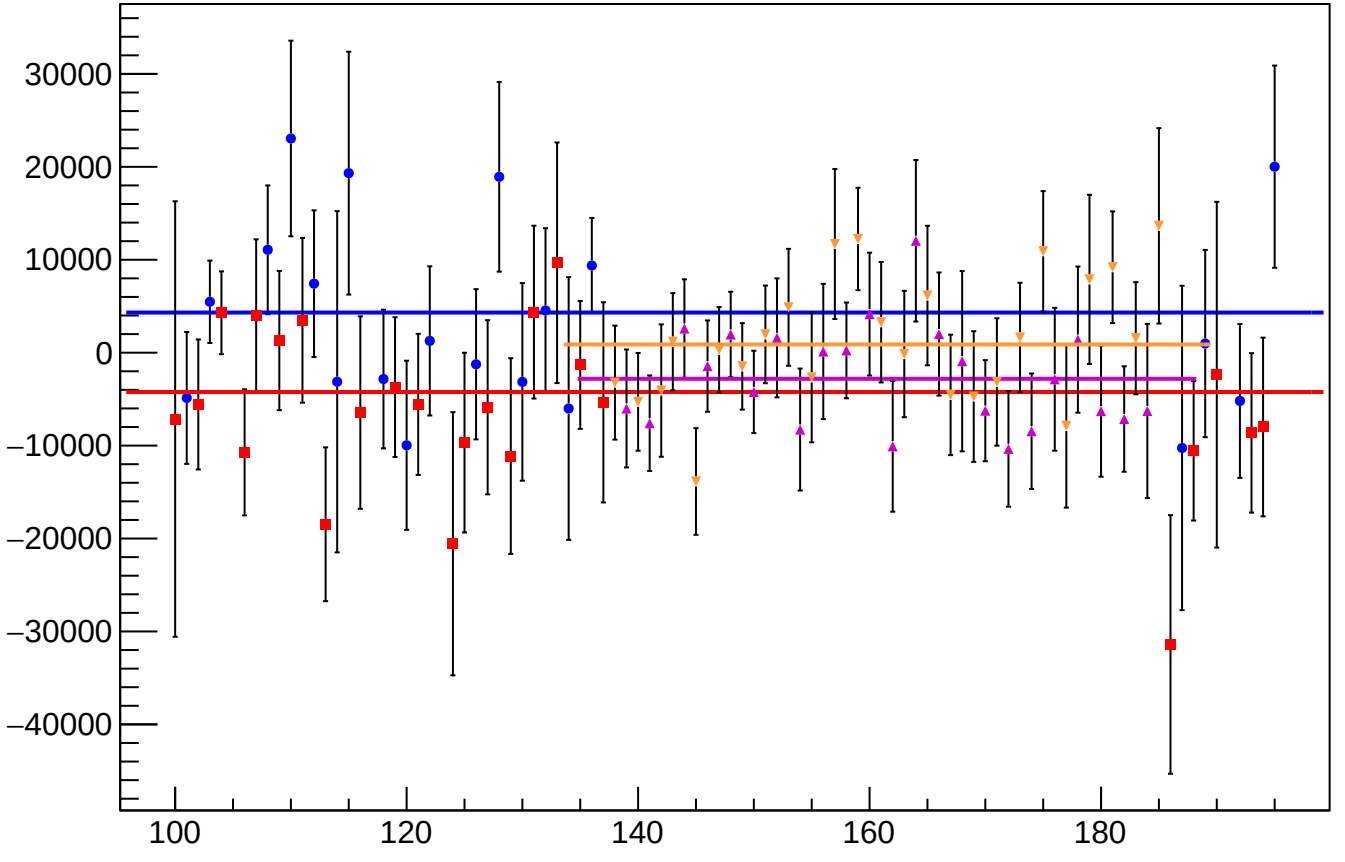
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5348.071+/-0.719 χ^2/NDF: 2339959.4/44

All: 5284.261+/-0.503 χ^2/NDF: 5498402.4/91

- sign 5222.912+/-0.705 χ^2/NDF: 3142983.6/46

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: -4232.784+/-1734.795 χ^2/NDF: 19.2/23

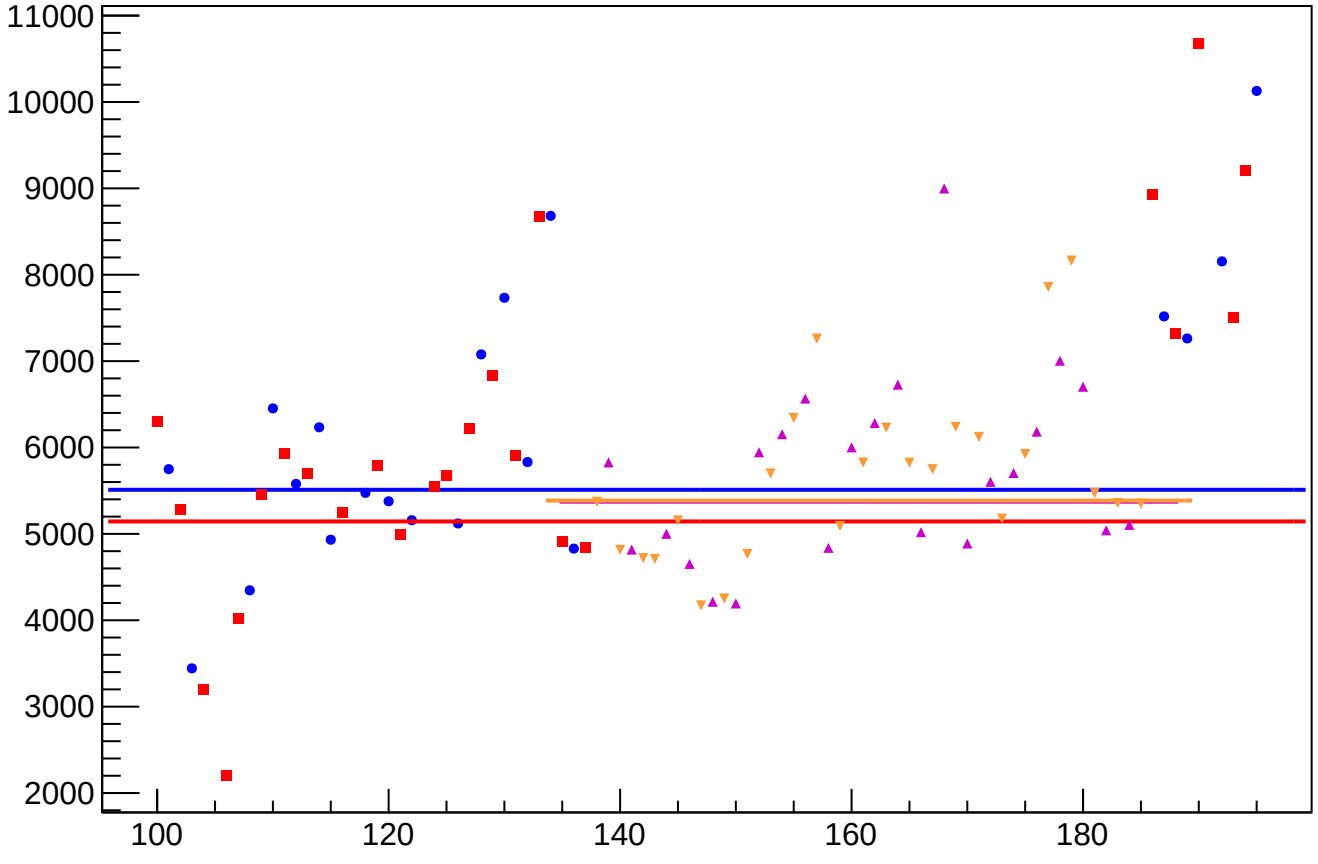
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1969.531+/-1031.167 χ^2/NDF: 47.8/44

All: -677.278+/-728.212 χ^2/NDF: 95.3/91

- sign -3310.581+/-1028.533 χ^2/NDF: 34.4/46

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

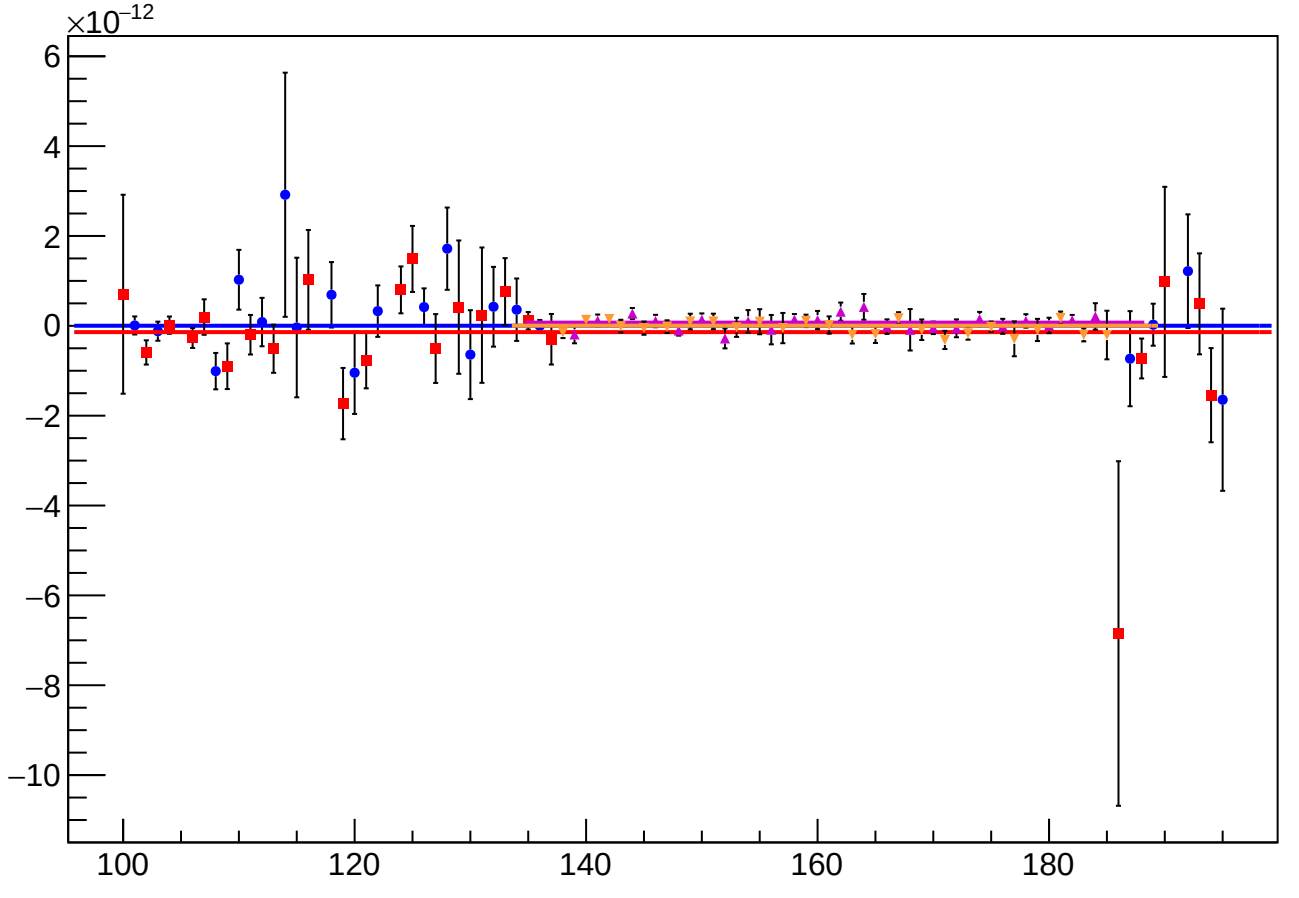
Right Out: 5144.052+/-1.186 χ^2/NDF: 2493671.7/23

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5425.064+/-0.729 χ^2/NDF: 2443407.4/44

All: 5356.004+/-0.512 χ^2/NDF: 6050133.4/91

- sign 5288.923+/-0.719 χ^2/NDF: 3589041.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

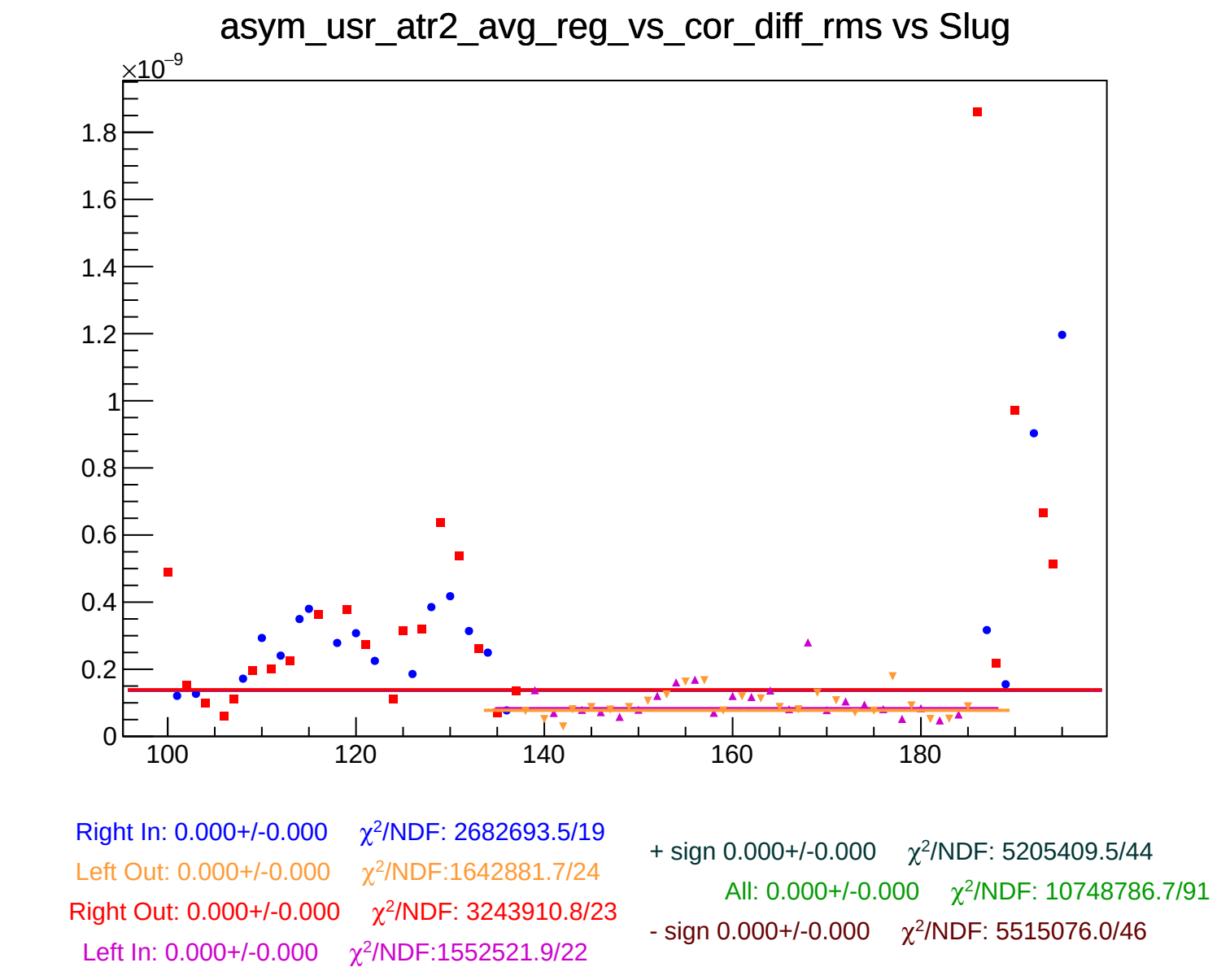
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/23

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

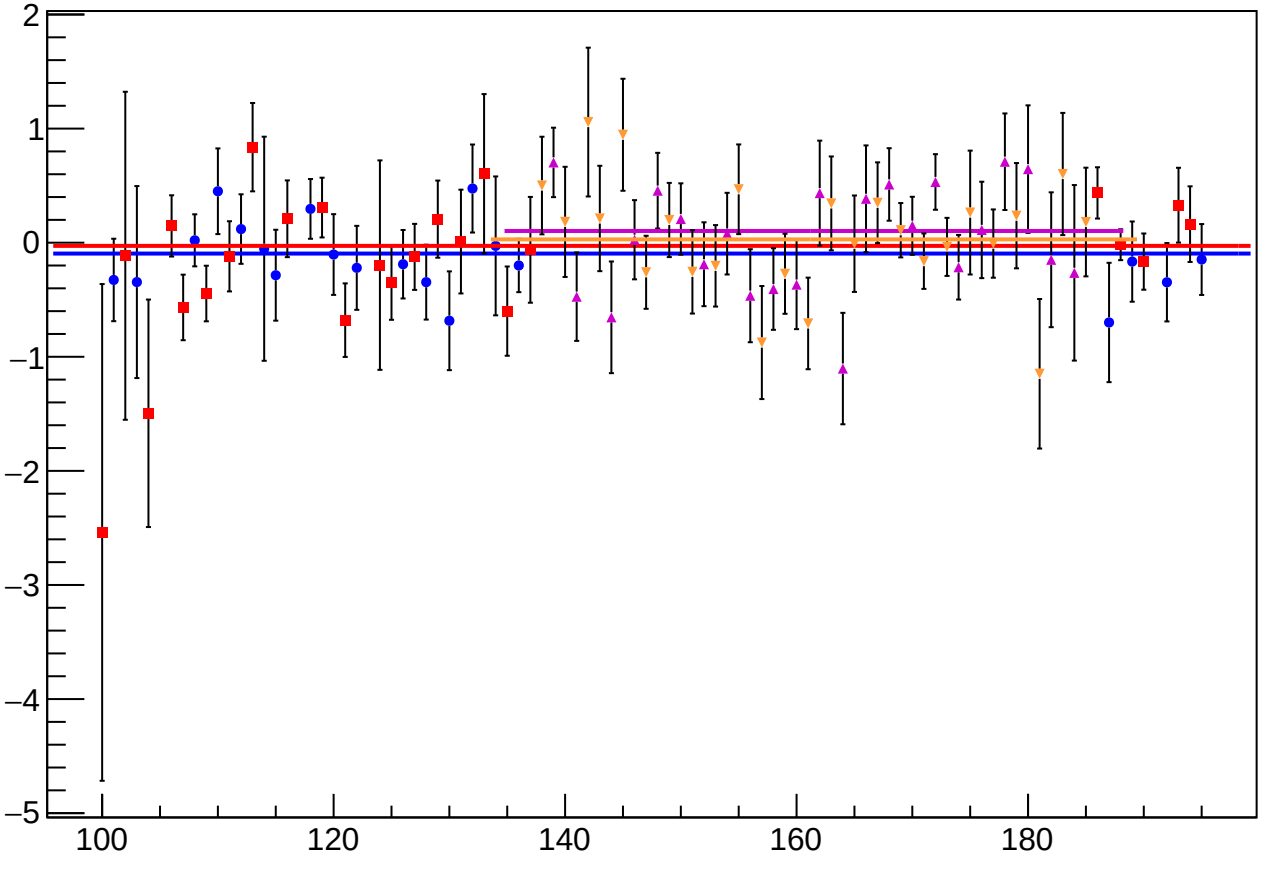
+ sign 0.000+/-0.000 χ^2/NDF: 38.4/44

All: 0.000+/-0.000 χ^2/NDF: 92.7/91

- sign 0.000+/-0.000 χ^2/NDF: 53.4/46


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
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: 3243910.8/23
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: 10748786.7/91
- sign 0.000+/-0.000 χ²/NDF: 5515076.0/46

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



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: -0.028+/-0.063 χ^2/NDF: 32.4/23

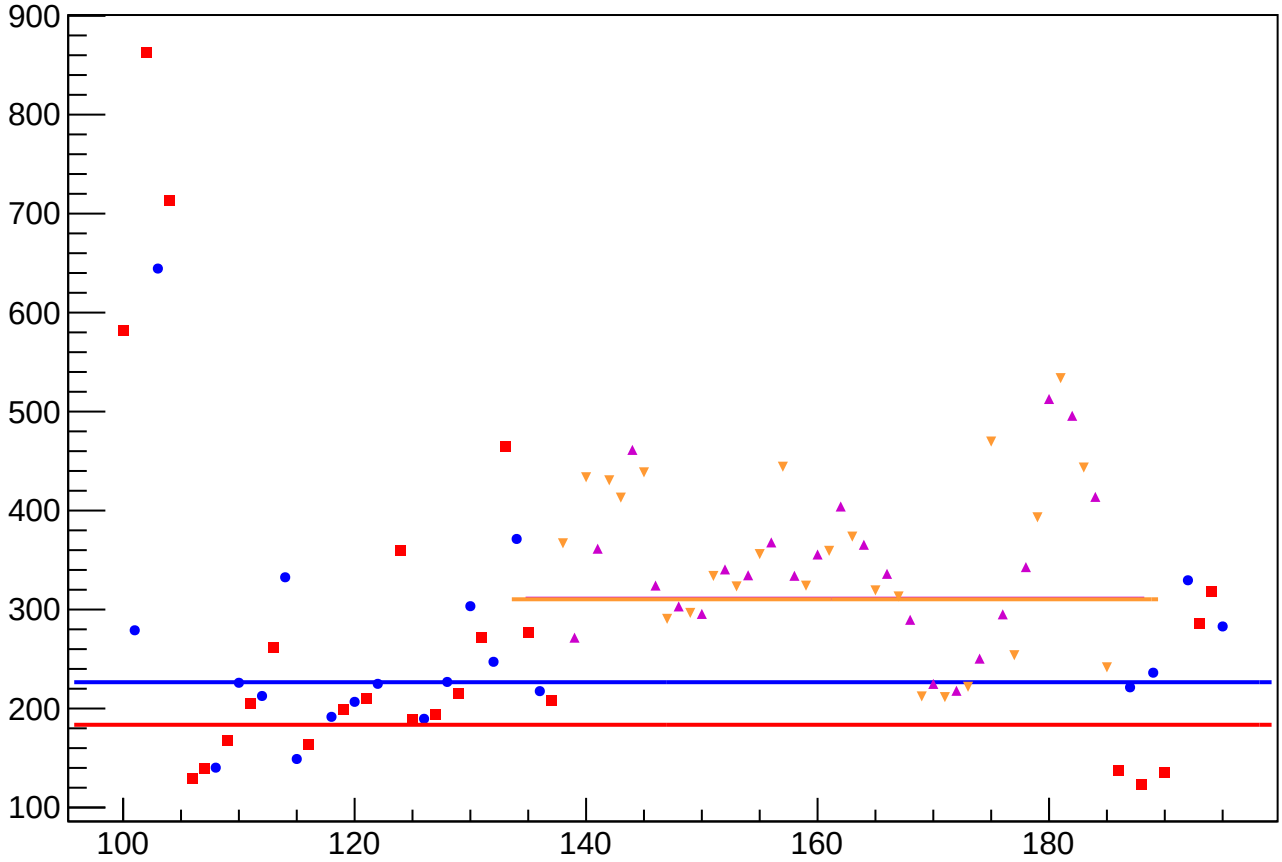
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.000+/-0.036 χ^2/NDF: 106.5/91

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46

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

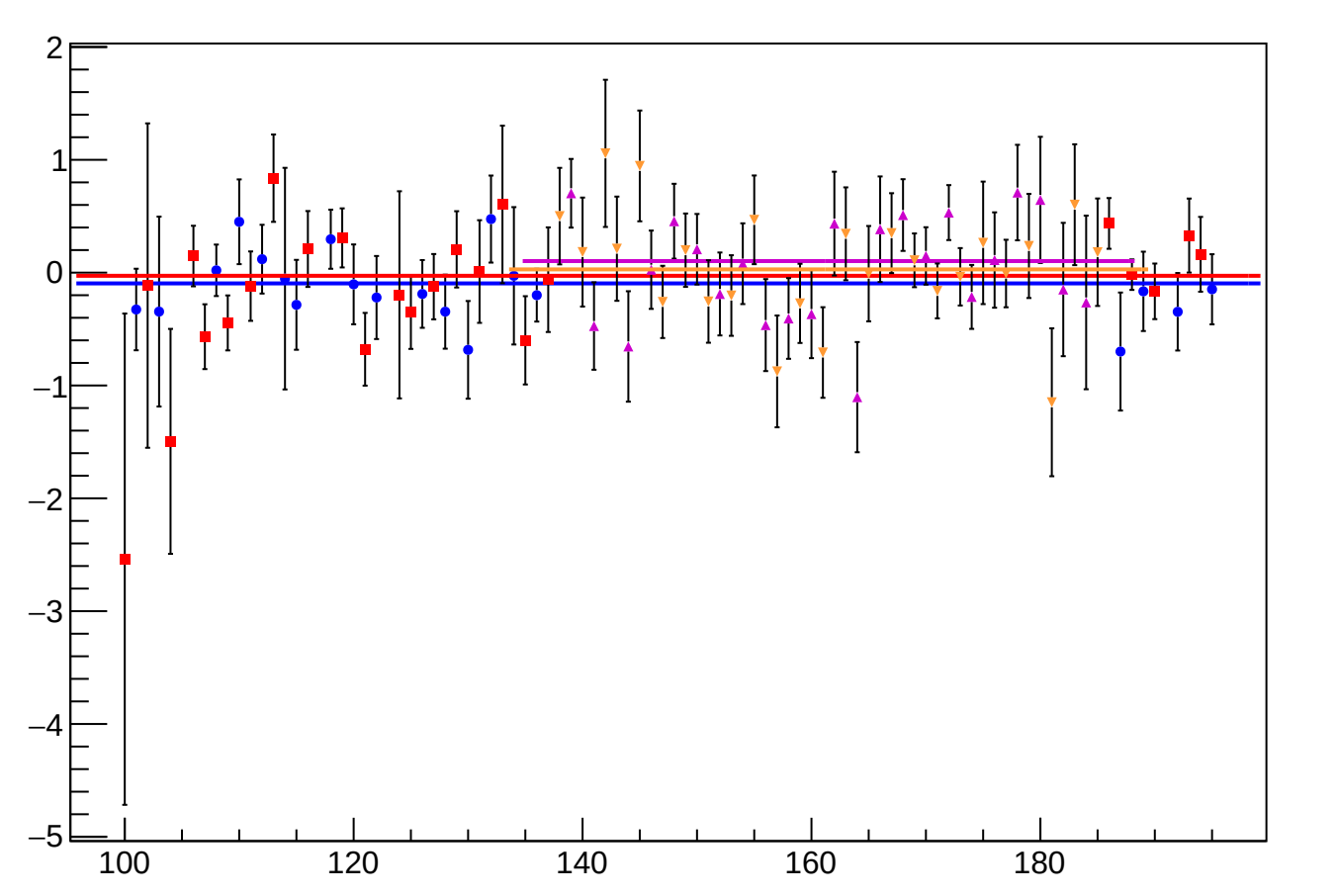
Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008139.7/44

All: 250.696+/-0.025 χ^2/NDF: 13431622.0/91

- sign 235.041+/-0.034 χ^2/NDF: 7958741.6/46



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

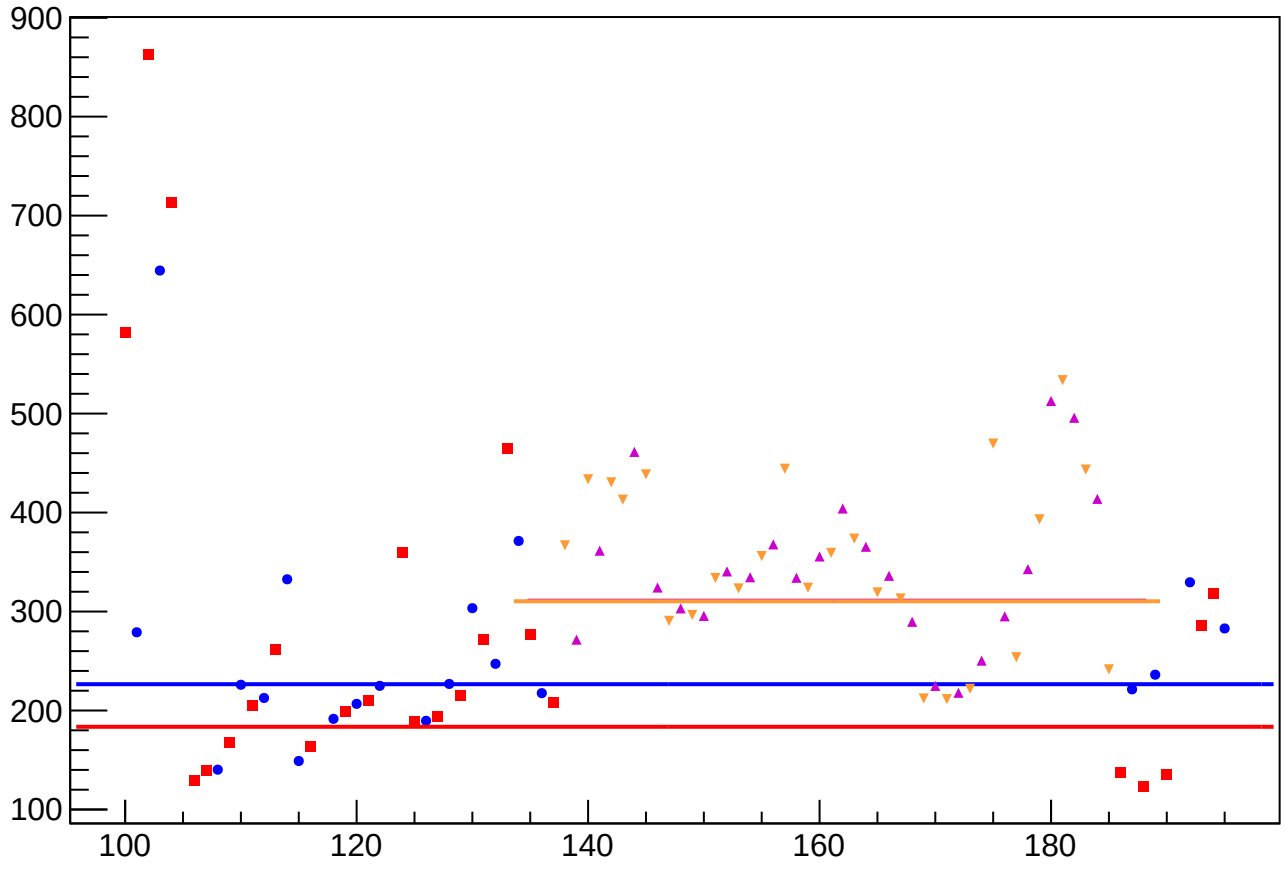
Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.000+/-0.036 χ^2/NDF: 106.5/91

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46



Right In: 226.590+/-0.055 χ^2/NDF: 1429537.9/19

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

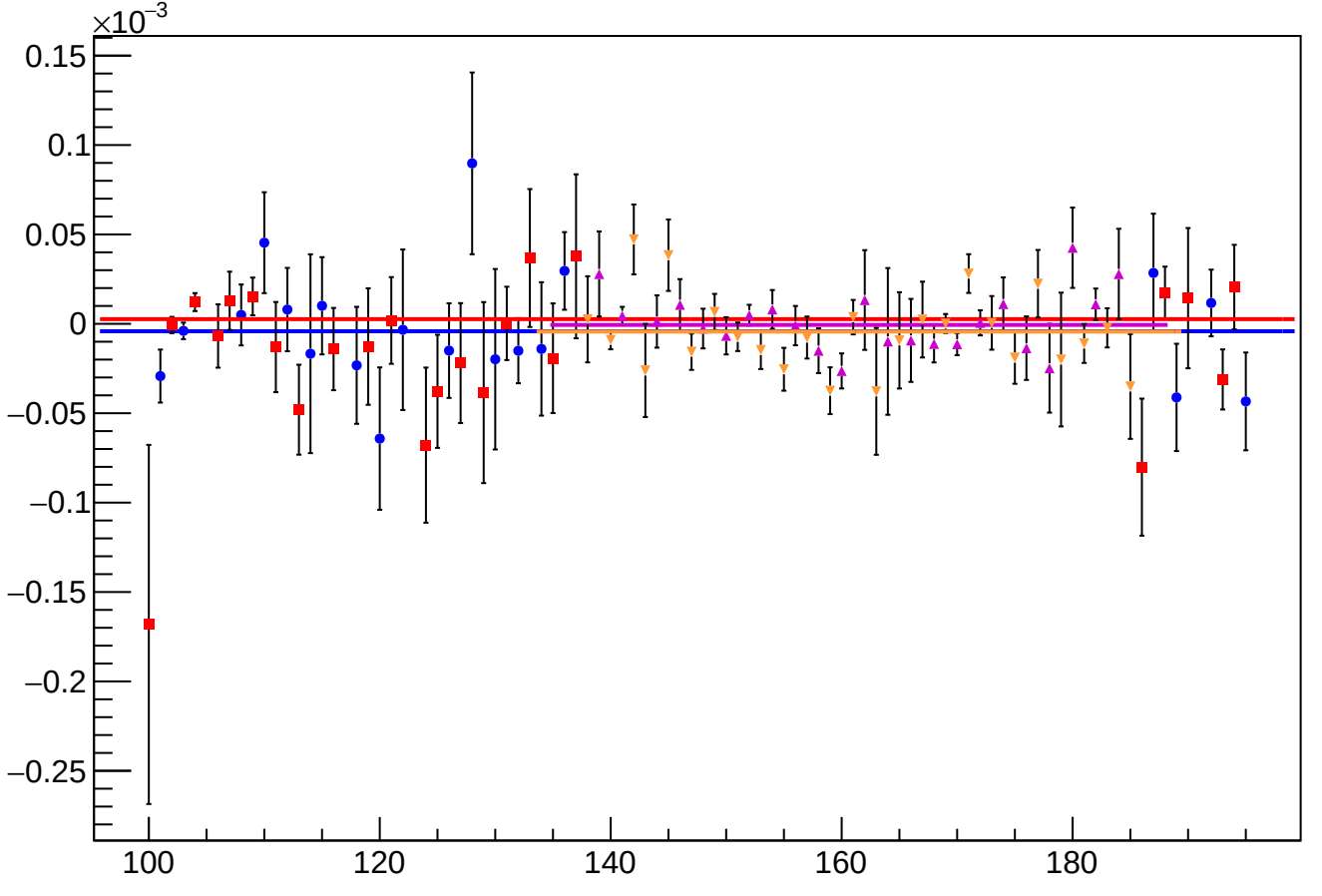
Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008139.7/44

All: 250.696+/-0.025 χ^2/NDF: 13431622.0/91

- sign 235.041+/-0.034 χ^2/NDF: 7958741.6/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

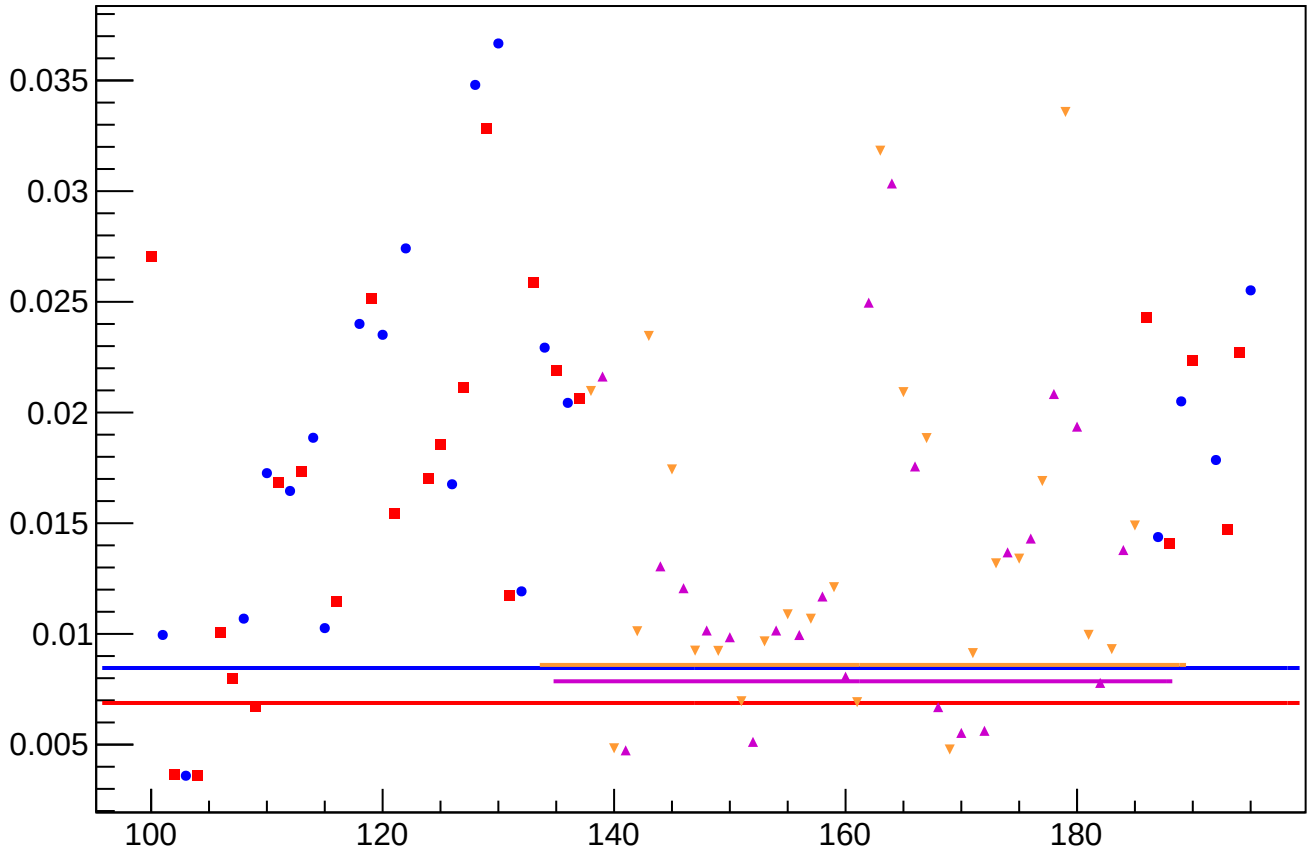
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/23

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: 126.7/91

- sign 0.000+/-0.000 χ^2/NDF: 59.4/46



Right In: 0.008+/-0.000 χ^2/NDF: 7883248.7/19

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

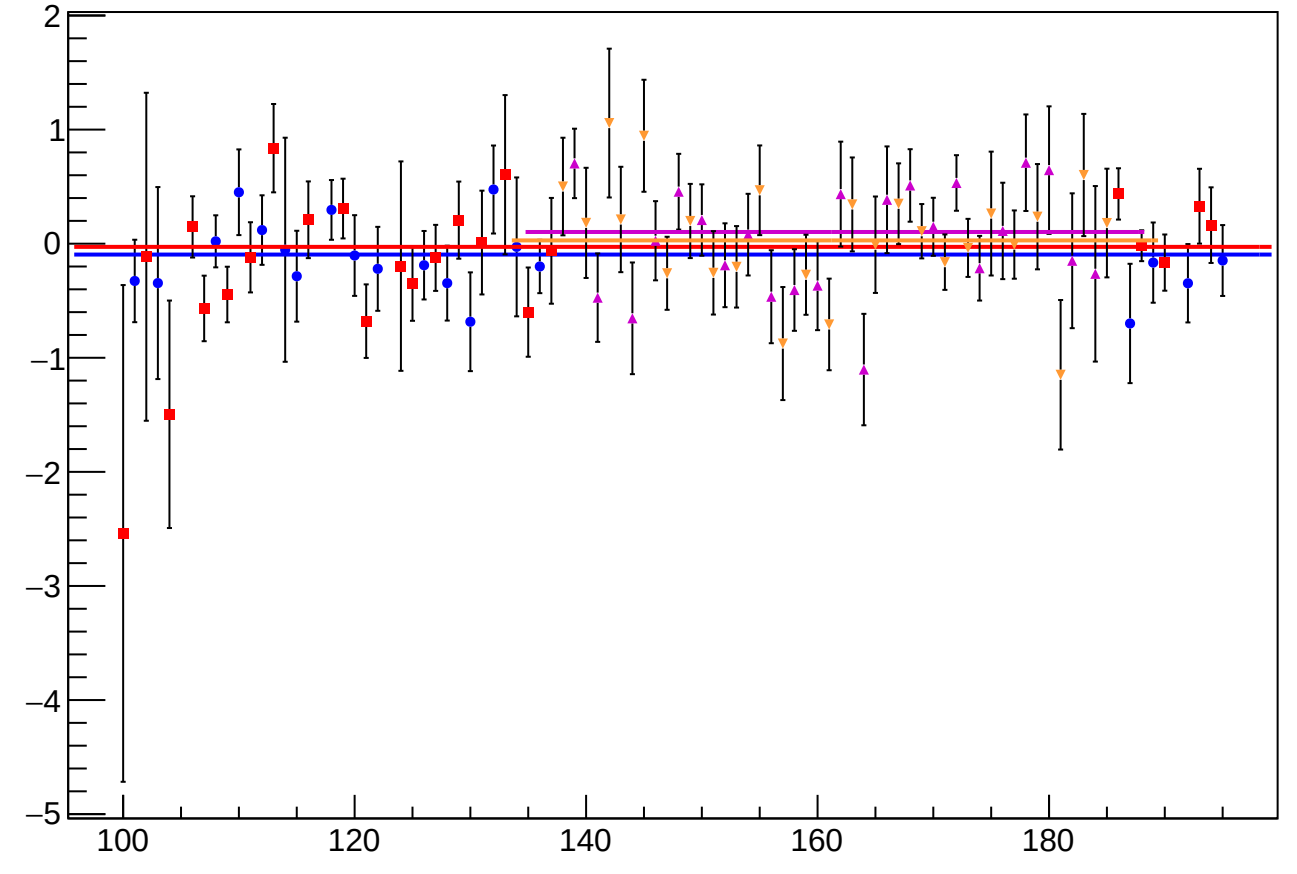
Right Out: 0.007+/-0.000 χ^2/NDF: 8675384.7/23

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: 31500427.9/91

- sign 0.007+/-0.000 χ^2/NDF: 15611531.0/46



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

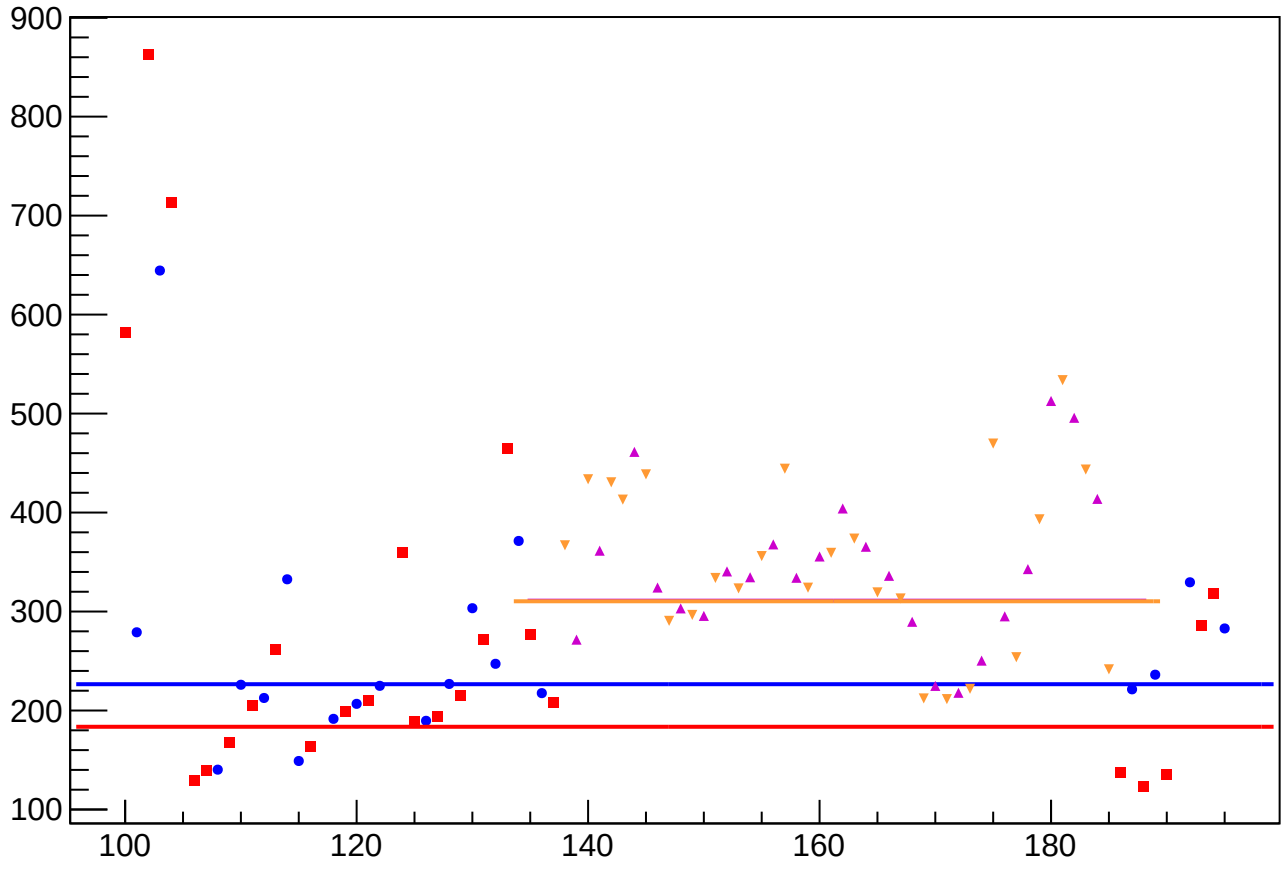
Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.000+/-0.036 χ^2/NDF: 106.5/91

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

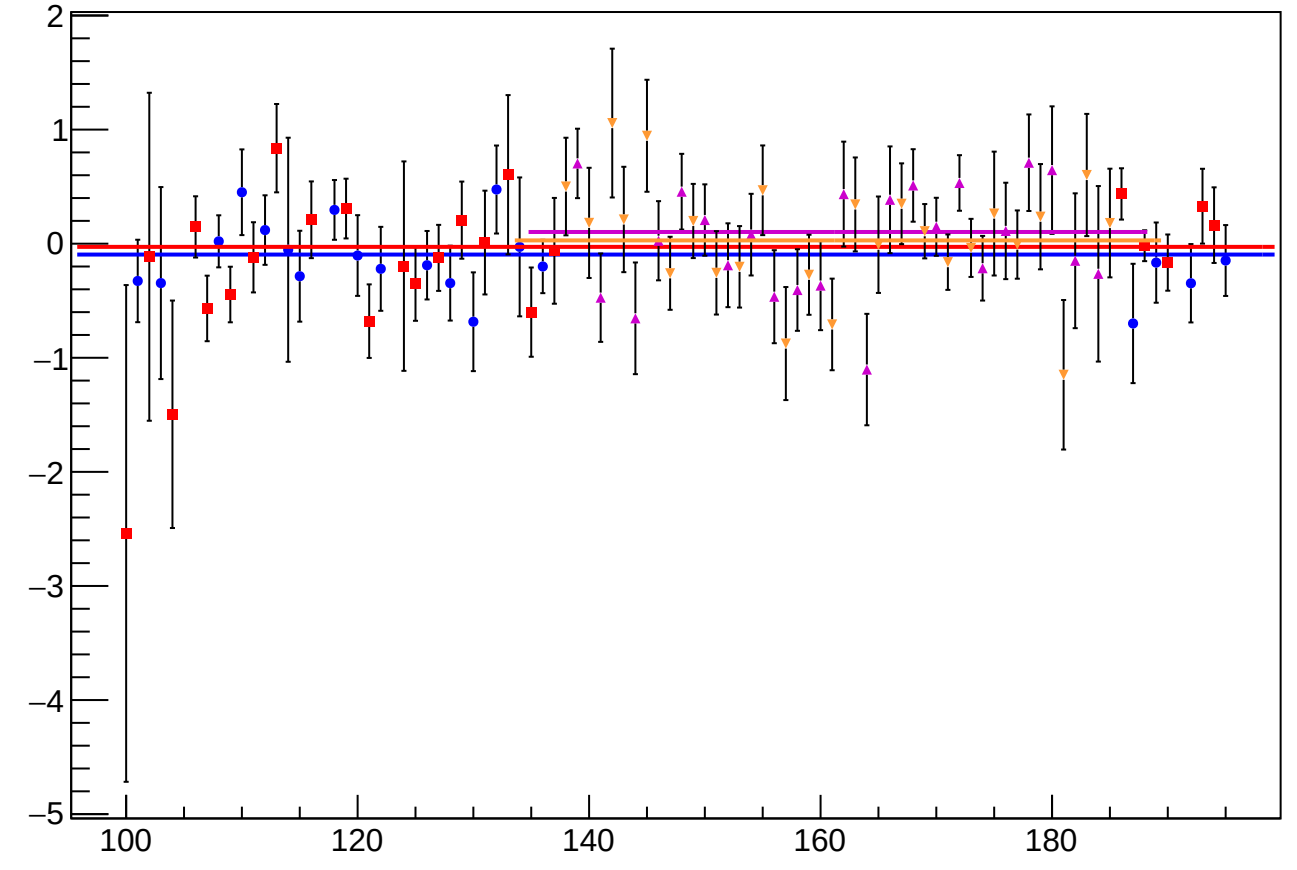
Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008294.5/44

All: 250.695+/-0.025 χ^2/NDF: 13432255.4/91

- sign 235.040+/-0.034 χ^2/NDF: 7959161.7/46



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

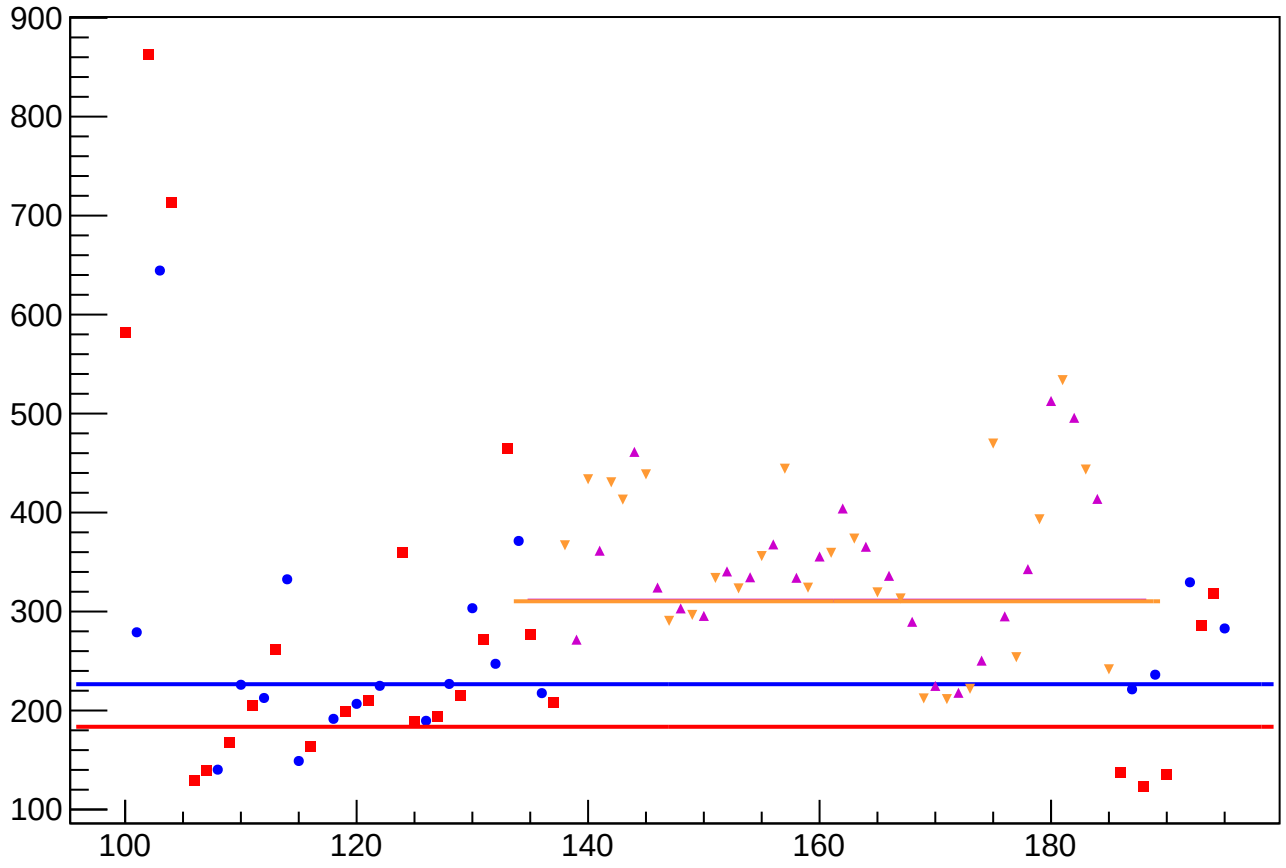
Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.054 χ^2/NDF: 39.5/44

All: -0.000+/-0.036 χ^2/NDF: 106.5/91

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

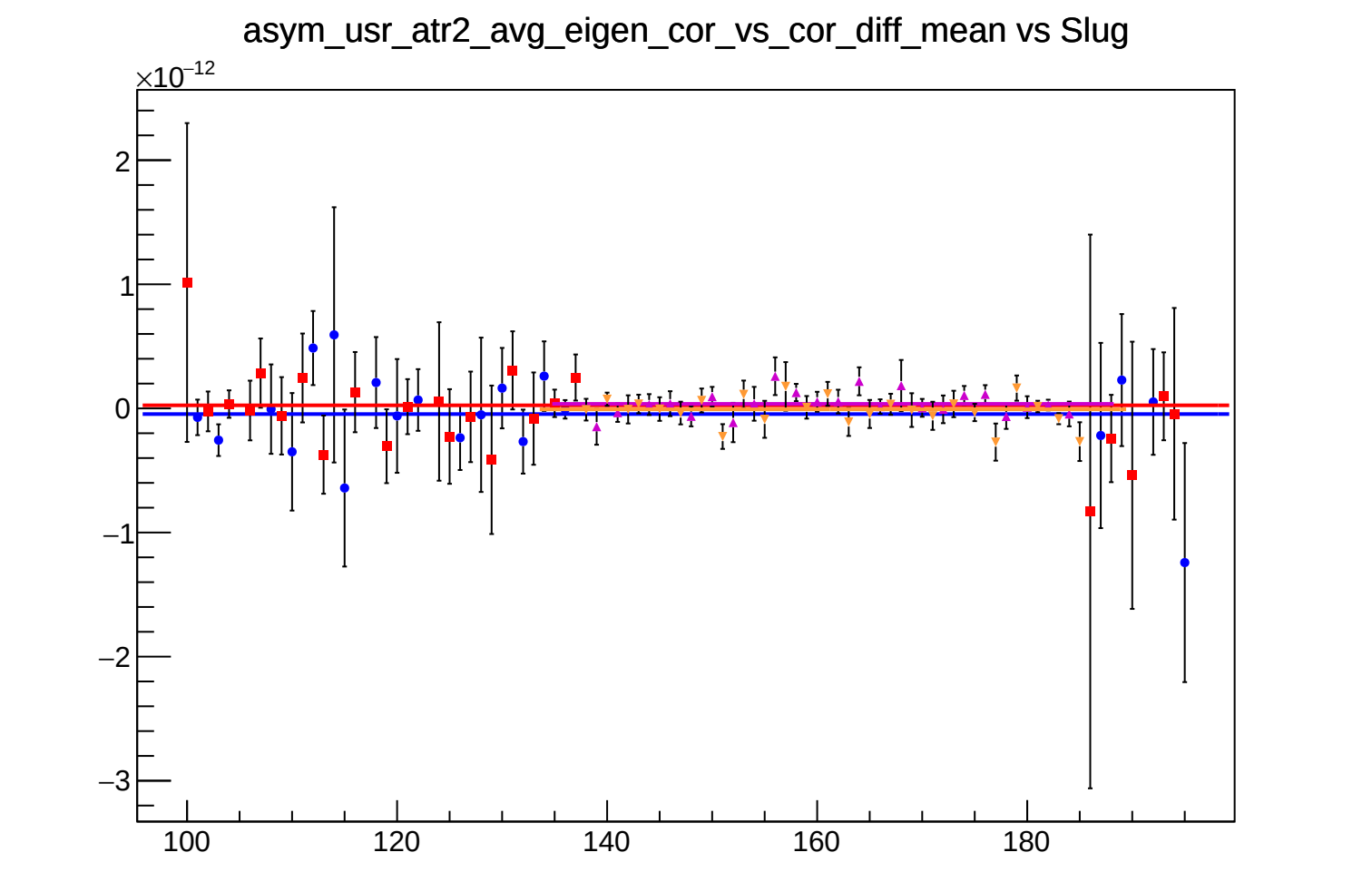
Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.910+/-0.038 χ^2/NDF: 5008294.5/44

All: 250.695+/-0.025 χ^2/NDF: 13432255.4/91

- sign 235.040+/-0.034 χ^2/NDF: 7959161.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

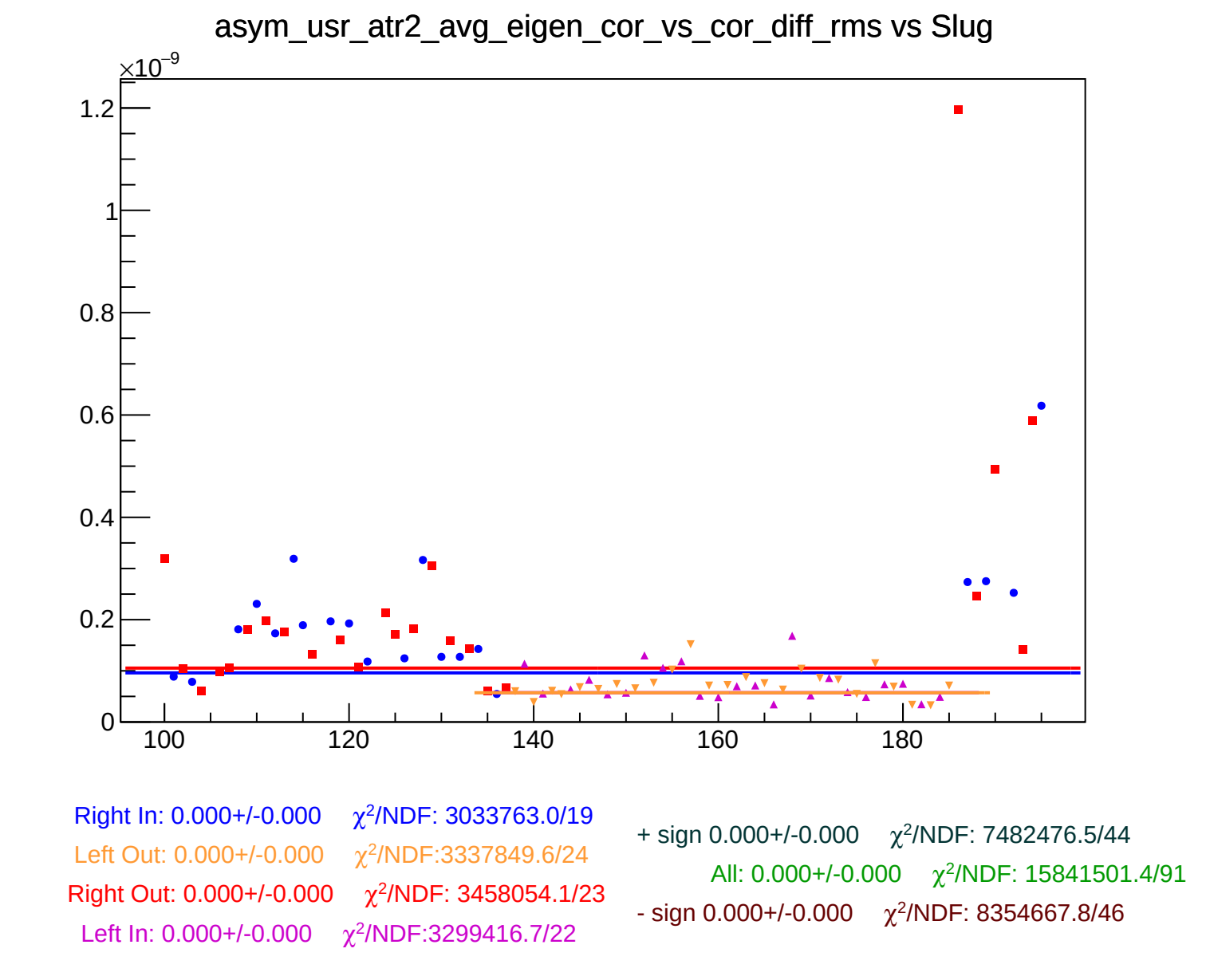
Right Out: 0.000+/-0.000 χ^2/NDF: 9.4/23

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

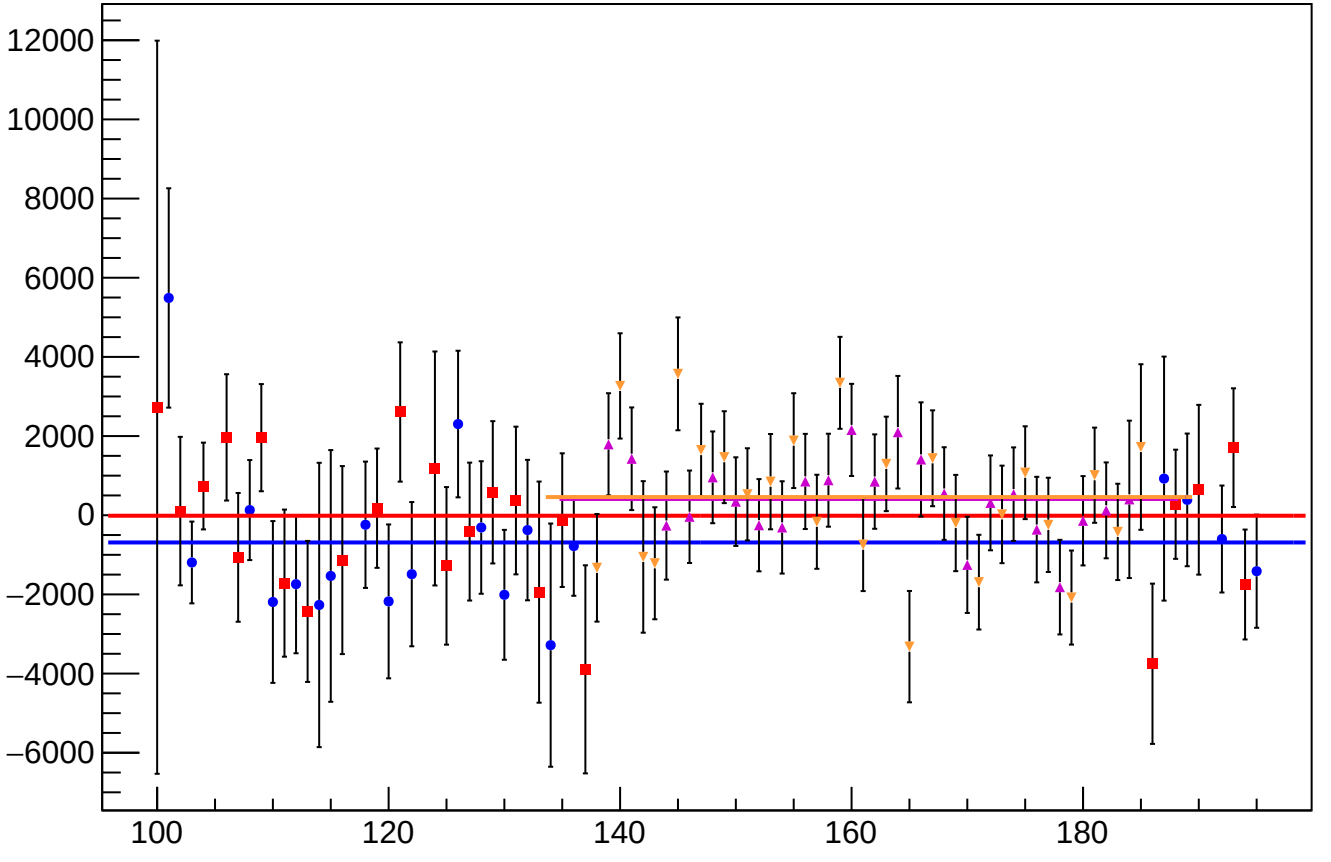
+ sign -0.000+/-0.000 χ^2/NDF: 39.7/44

All: 0.000+/-0.000 χ^2/NDF: 70.0/91

- sign 0.000+/-0.000 χ^2/NDF: 26.2/46


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
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: 3458054.1/23
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: 15841501.4/91
- sign 0.000+/-0.000 χ²/NDF: 8354667.8/46

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: -12.684+/-356.722 χ^2/NDF: 19.6/23

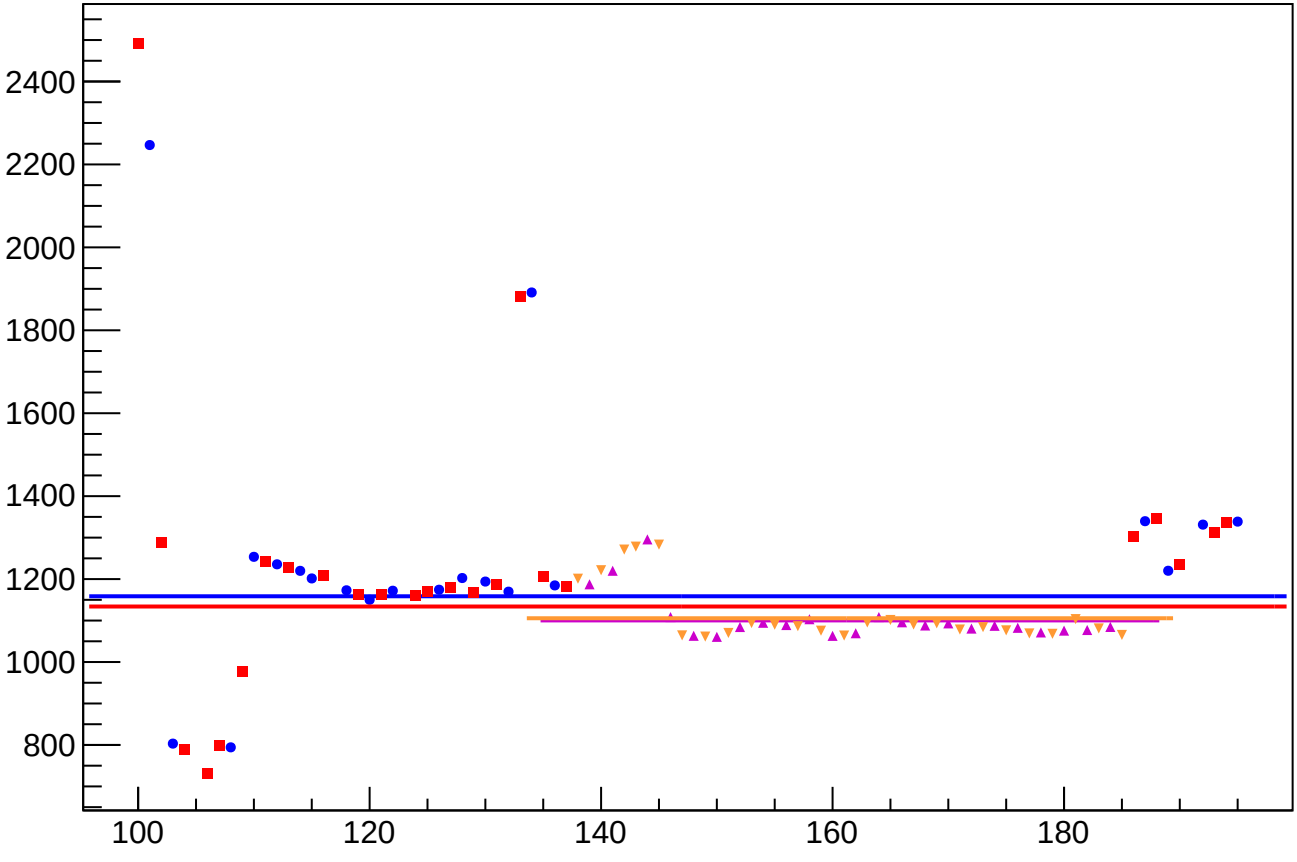
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 107.728+/-209.527 χ^2/NDF: 61.1/44

All: 187.332+/-147.839 χ^2/NDF: 95.6/91

- sign 266.254+/-208.627 χ^2/NDF: 34.2/46

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

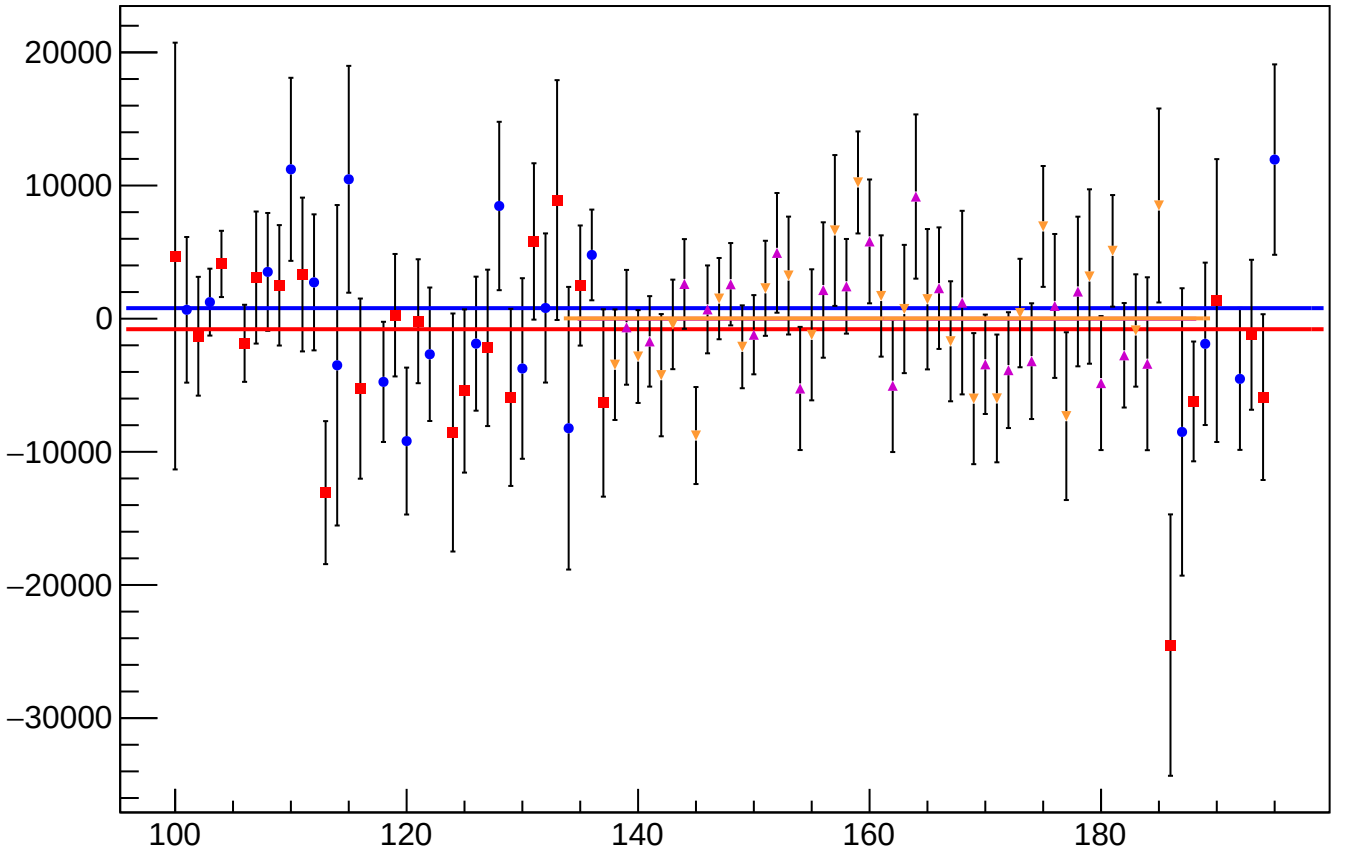
Right Out: 1133.870+/-0.251 χ^2/NDF: 828577.5/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061322.2/44

All: 1116.812+/-0.104 χ^2/NDF: 1984087.2/91

- sign 1111.910+/-0.147 χ^2/NDF: 920533.0/46



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: -791.065+/-1035.868 χ^2/NDF: 25.1/23

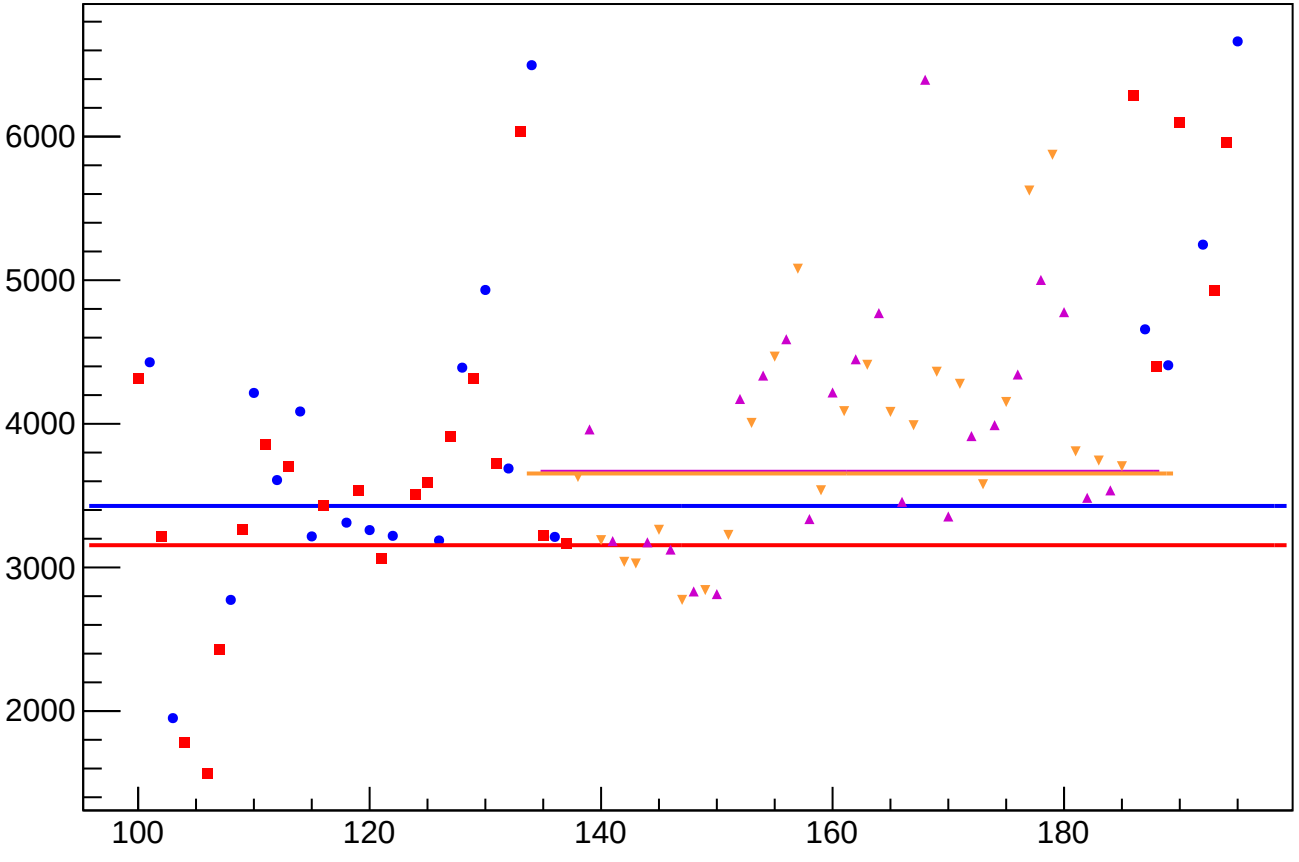
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 292.798+/-685.029 χ^2/NDF: 47.0/44

All: -27.820+/-478.458 χ^2/NDF: 86.8/91

- sign -333.203+/-668.555 χ^2/NDF: 39.4/46

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: 3154.927+/-0.732 χ^2/NDF: 2777165.5/23

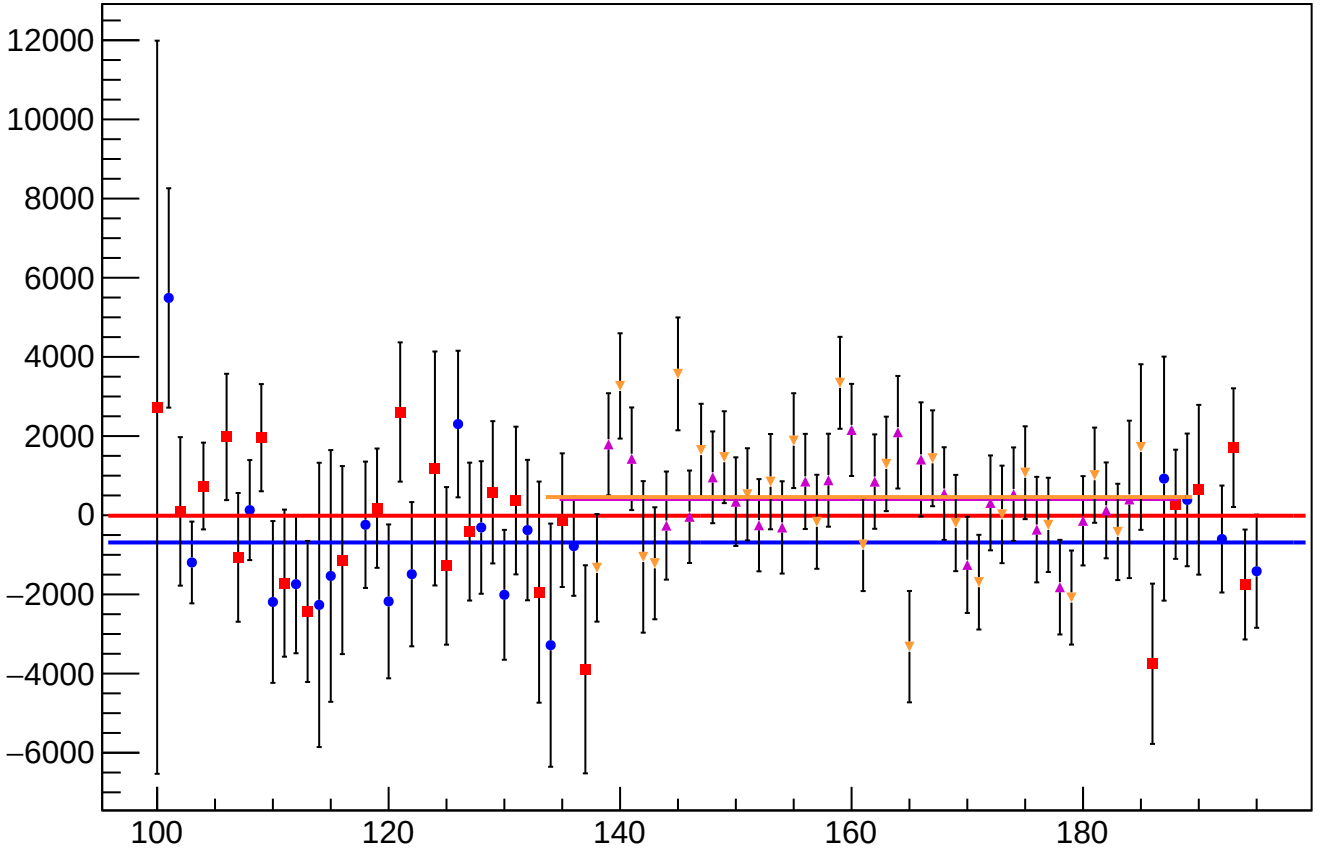
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3574.868+/-0.484 χ^2/NDF: 3254304.5/44

All: 3512.544+/-0.338 χ^2/NDF: 7691680.6/91

\- sign 3453.182+/-0.473 χ^2/NDF: 4405053.5/46

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: -12.465+/-356.725 χ^2/NDF: 19.7/23

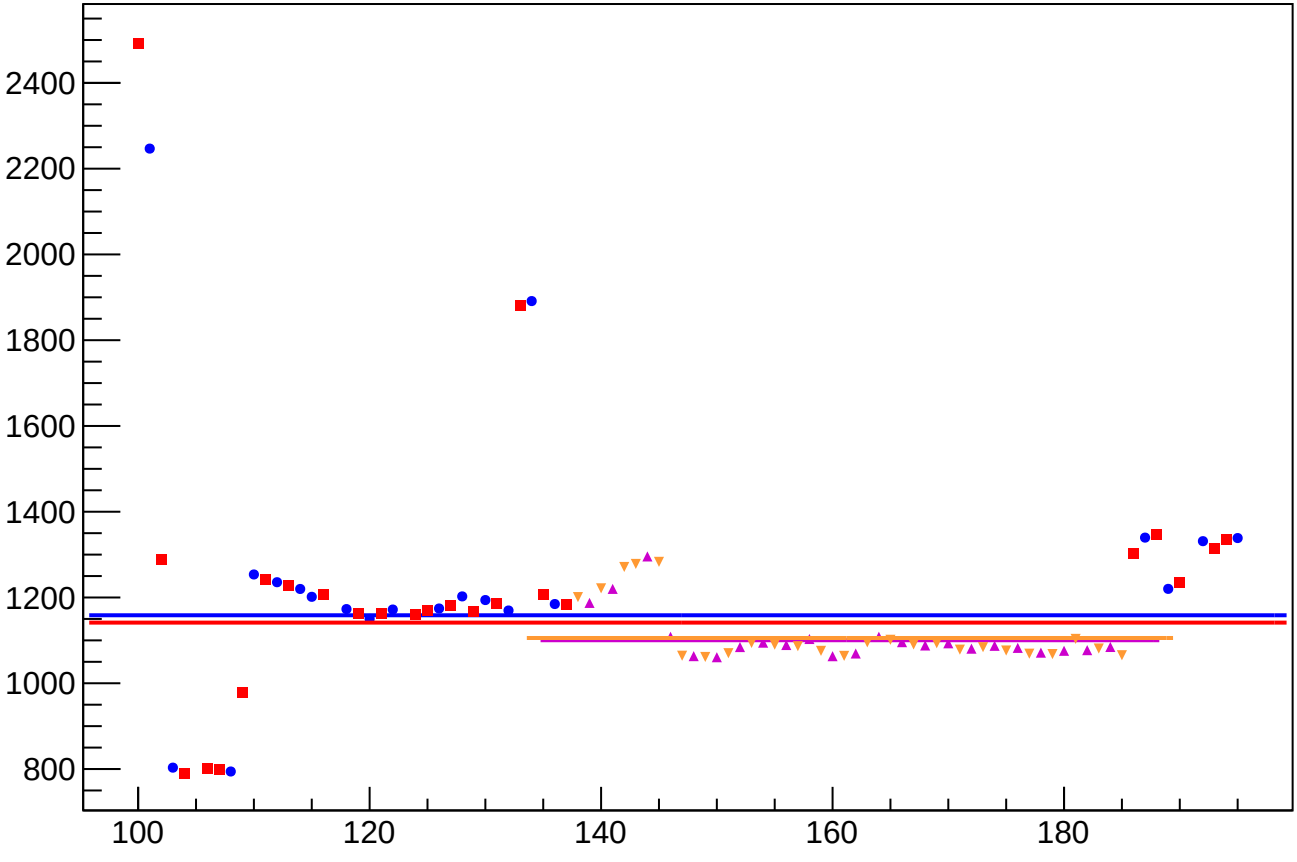
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 107.775+/-209.527 χ^2/NDF: 61.1/44

All: 187.361+/-147.839 χ^2/NDF: 95.6/91

- sign 266.266+/-208.628 χ^2/NDF: 34.3/46

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: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

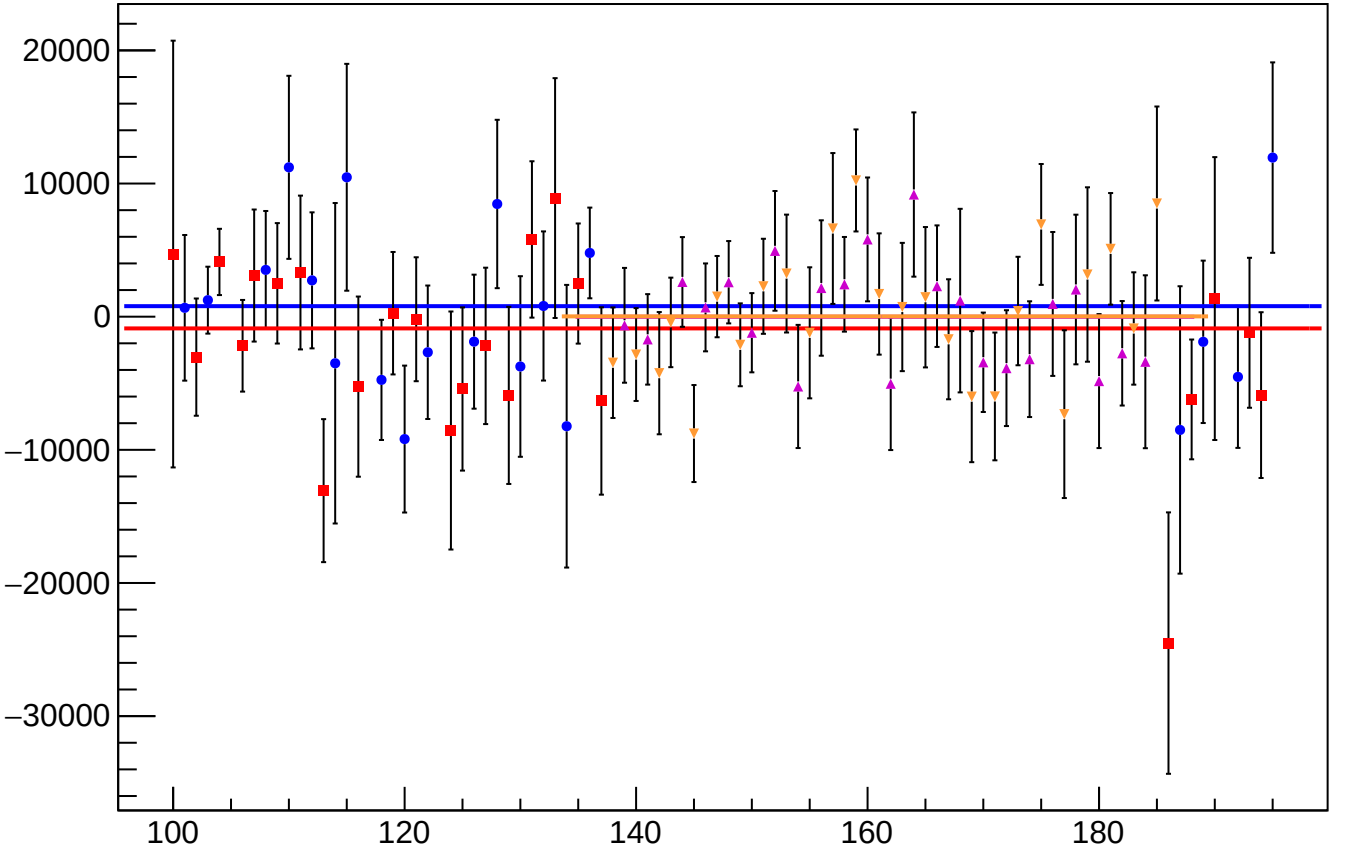
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061318.6/44

All: 1118.084+/-0.105 χ^2/NDF: 1920801.3/91

- sign 1114.426+/-0.147 χ^2/NDF: 858245.9/46

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: -880.963+/-1055.081 χ^2/NDF: 25.4/23

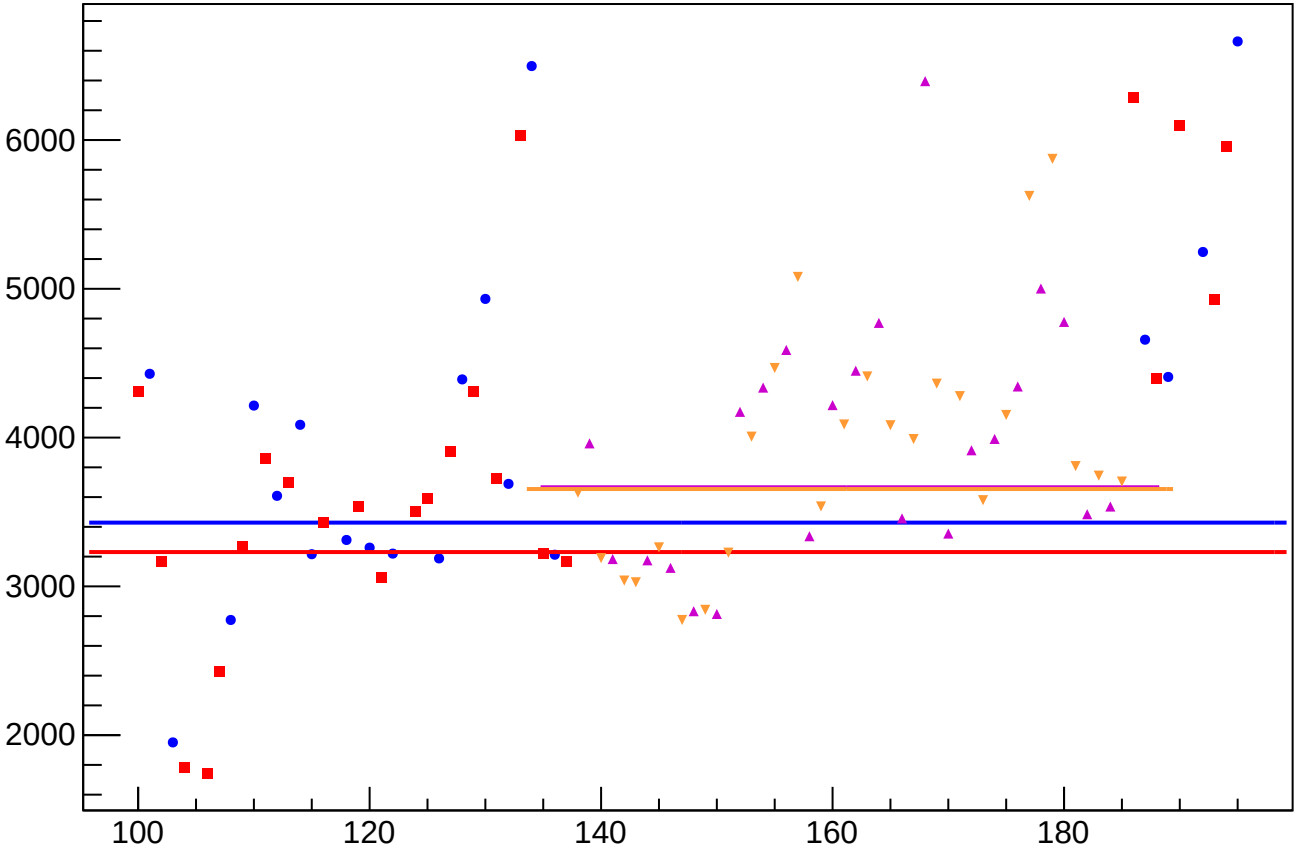
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.617+/-685.038 χ^2/NDF: 47.0/44

All: -40.637+/-480.313 χ^2/NDF: 87.2/91

- sign -362.891+/-673.637 χ^2/NDF: 39.8/46

asym_usr_atr2_dd_cor_correction_rms vs Slug



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: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

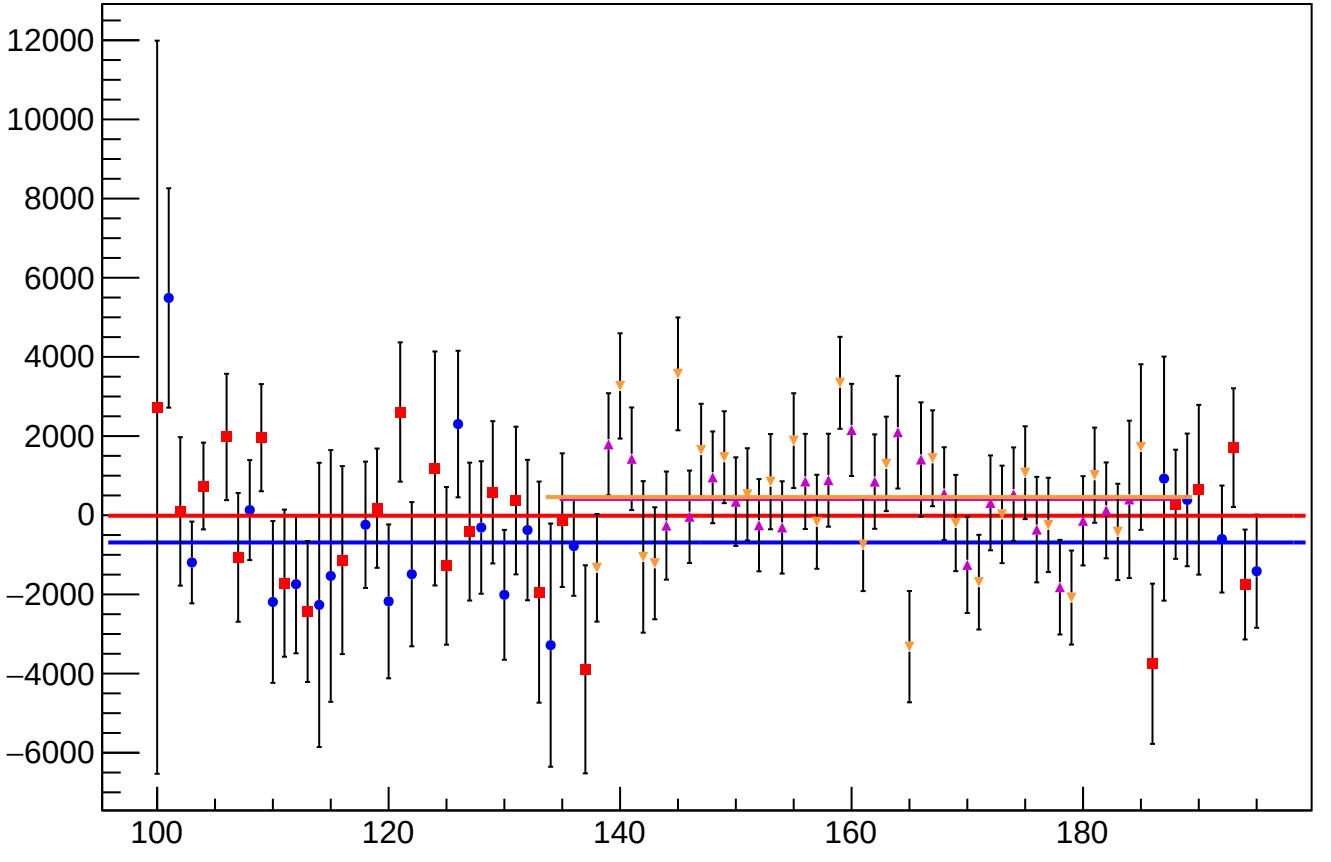
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3574.933+/-0.484 χ^2/NDF: 3253659.4/44

All: 3531.035+/-0.340 χ^2/NDF: 7315213.6/91

- sign 3488.585+/-0.476 χ^2/NDF: 4045399.3/46

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: -12.465+/-356.725 χ^2/NDF: 19.7/23

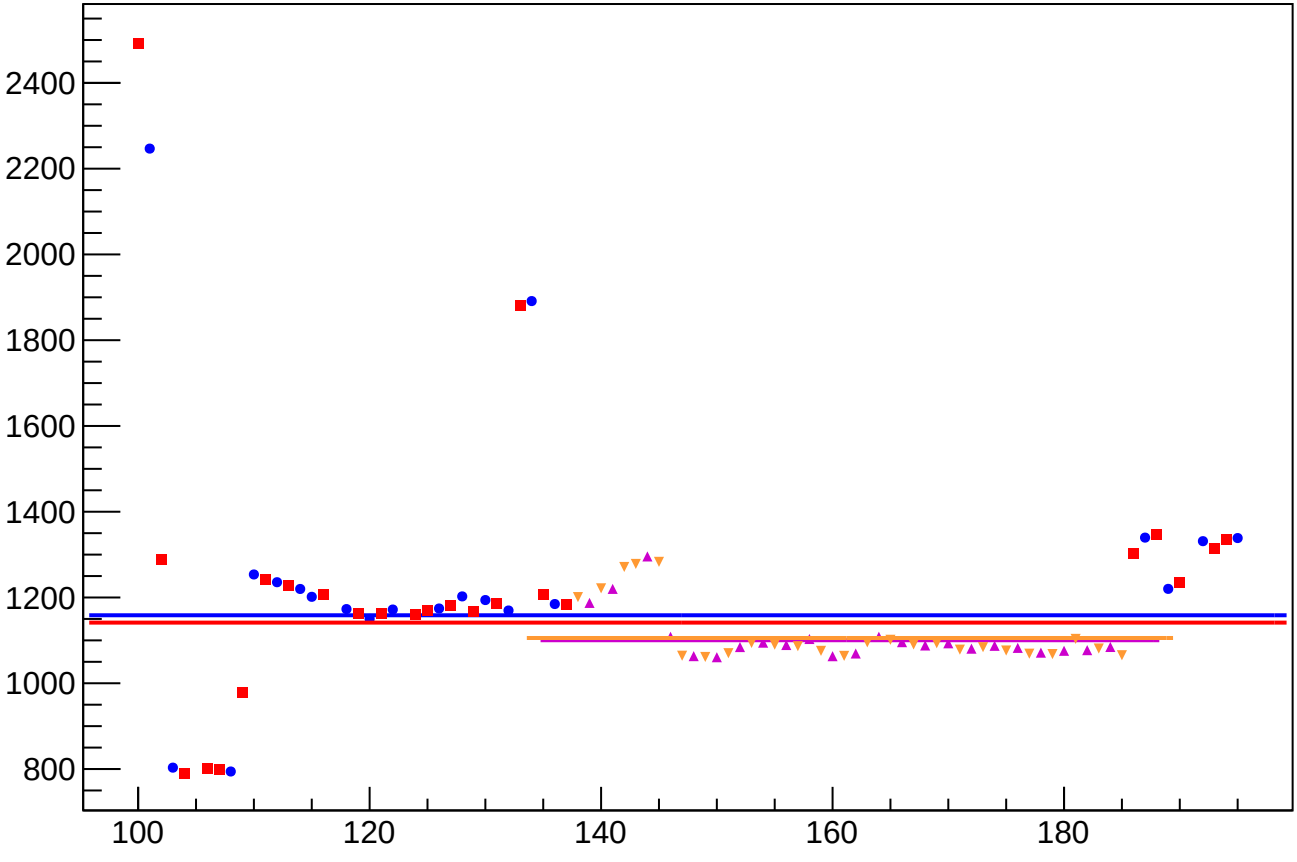
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 107.775+/-209.527 χ^2/NDF: 61.1/44

All: 187.361+/-147.839 χ^2/NDF: 95.6/91

- sign 266.266+/-208.628 χ^2/NDF: 34.3/46

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

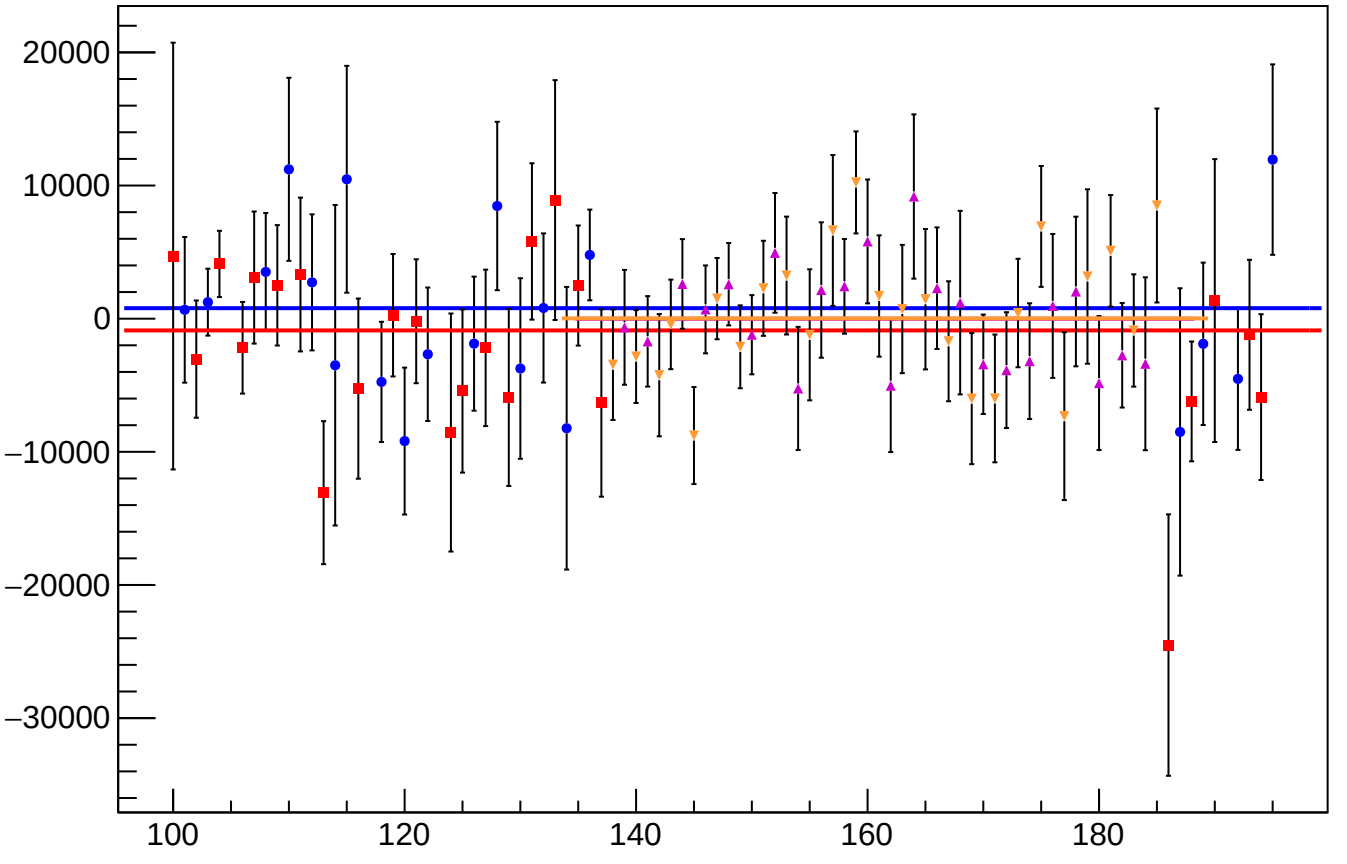
Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1121.777+/-0.148 χ^2/NDF: 1061318.6/44

All: 1118.084+/-0.105 χ^2/NDF: 1920801.3/91

- sign 1114.426+/-0.147 χ^2/NDF: 858245.9/46



Right In: 790.252+/-1156.113 χ^2/NDF: 18.2/19

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

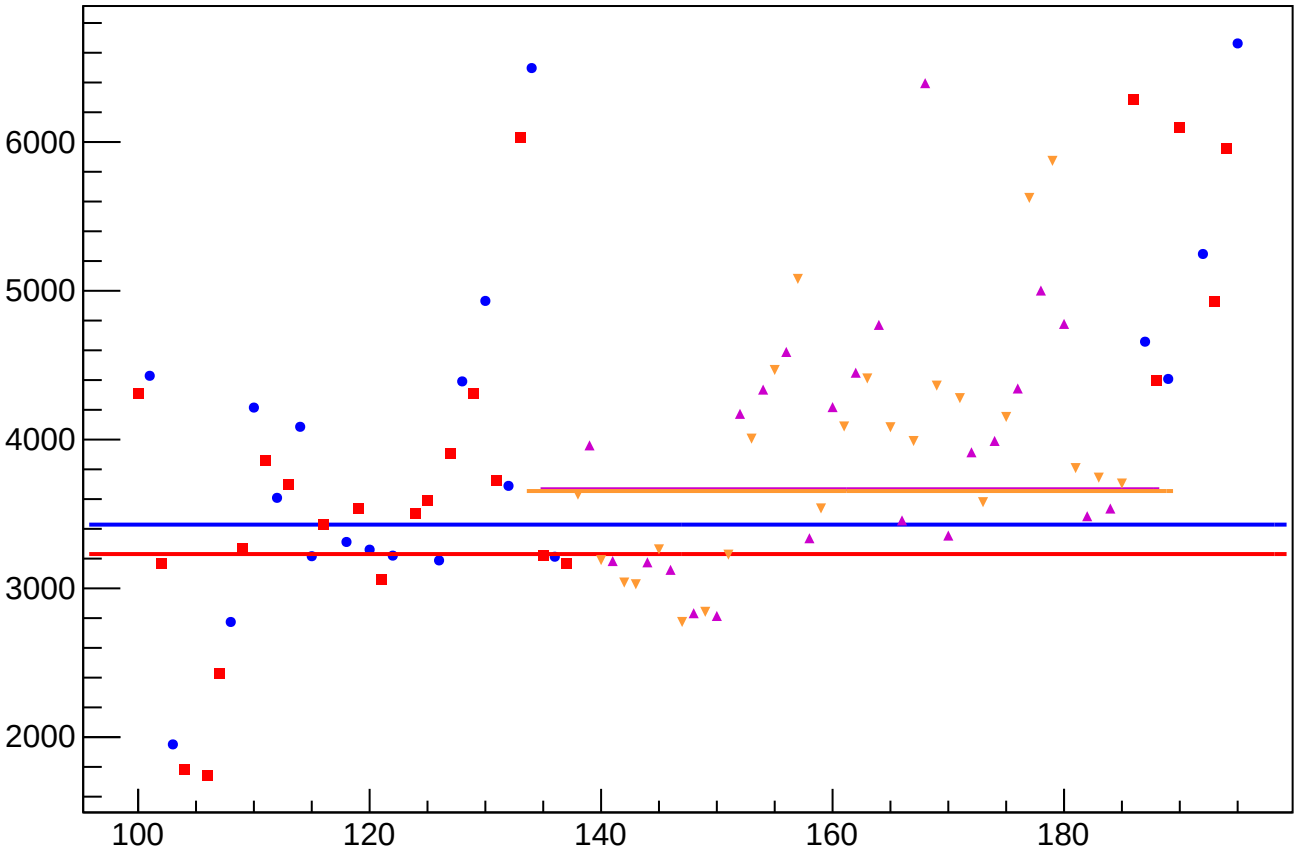
Right Out: -880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

\+ sign 292.617+/-685.038 χ^2/NDF: 47.0/44

All: -40.637+/-480.313 χ^2/NDF: 87.2/91

\- sign -362.891+/-673.637 χ^2/NDF: 39.8/46



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: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

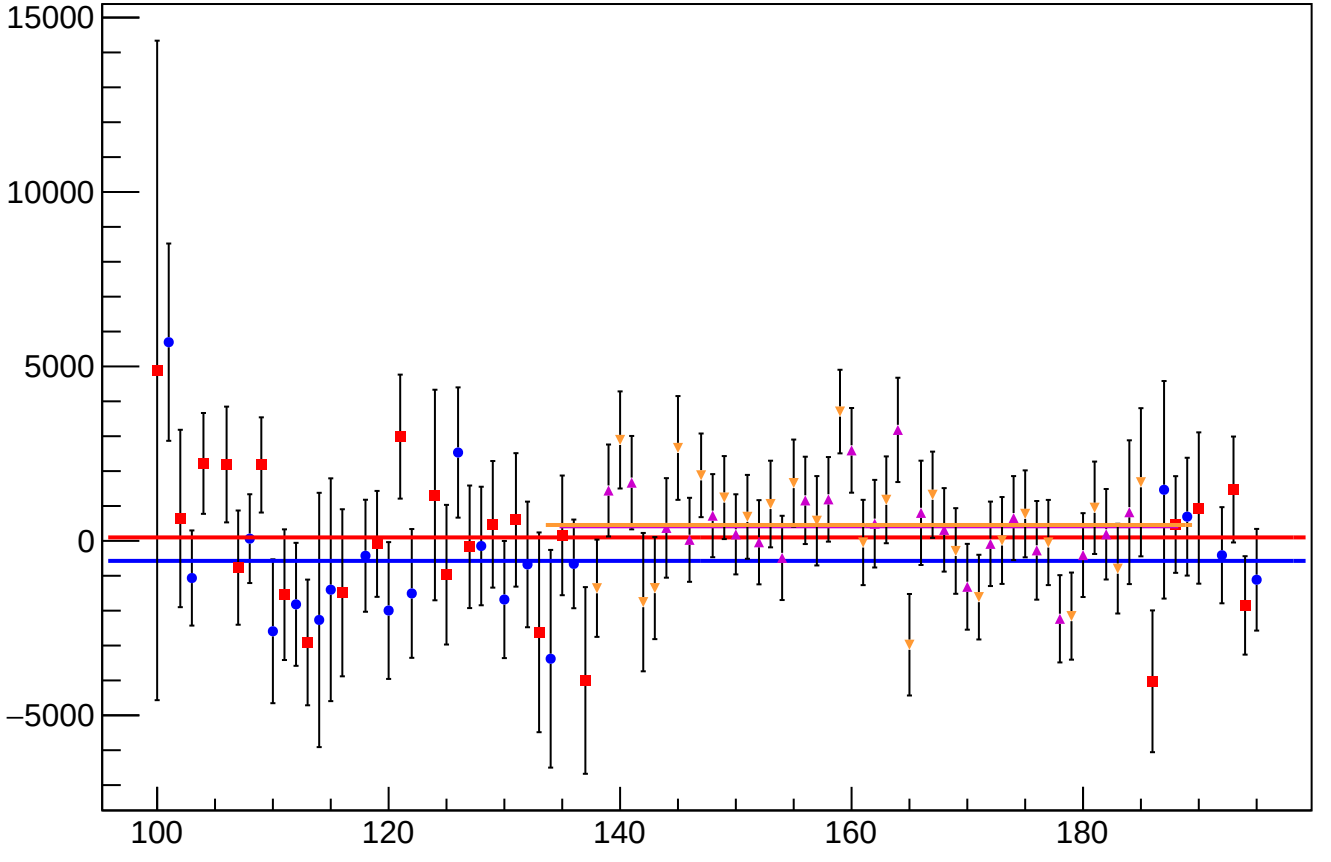
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3574.933+/-0.484 χ^2/NDF: 3253659.4/44

All: 3531.035+/-0.340 χ^2/NDF: 7315213.6/91

- sign 3488.585+/-0.476 χ^2/NDF: 4045399.3/46

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: 99.550+/-372.397 χ^2/NDF: 24.2/23

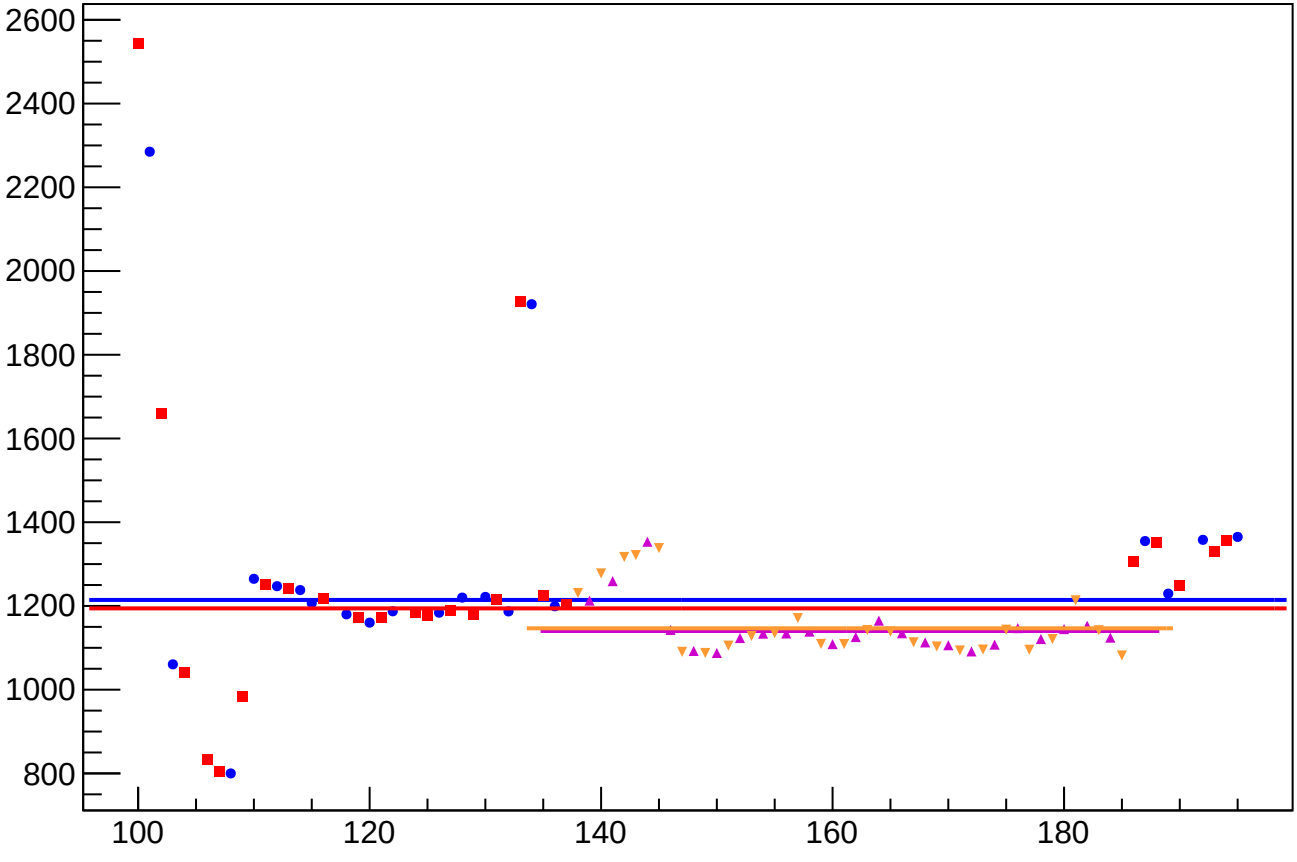
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 142.513+/-217.692 χ^2/NDF: 53.9/44

All: 226.400+/-153.603 χ^2/NDF: 96.2/91

- sign 309.575+/-216.766 χ^2/NDF: 42.0/46

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: 1194.170+/-0.263 χ^2/NDF: 599787.8/23

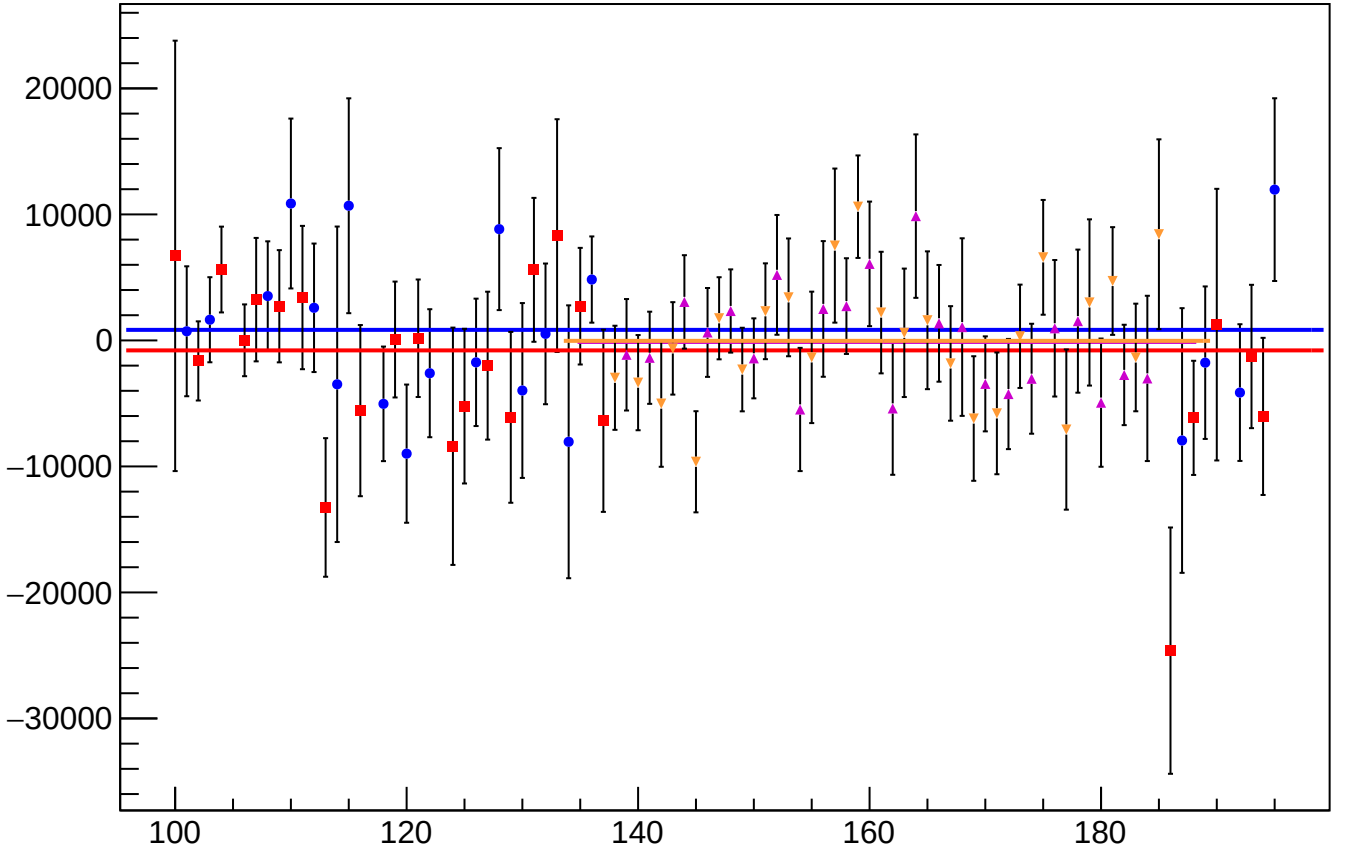
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1167.240+/-0.154 χ^2/NDF: 862317.7/44

All: 1162.838+/-0.109 χ^2/NDF: 1576291.7/91

- sign 1158.473+/-0.153 χ^2/NDF: 712344.9/46

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: -791.373+/-1050.270 χ^2/NDF: 24.8/23

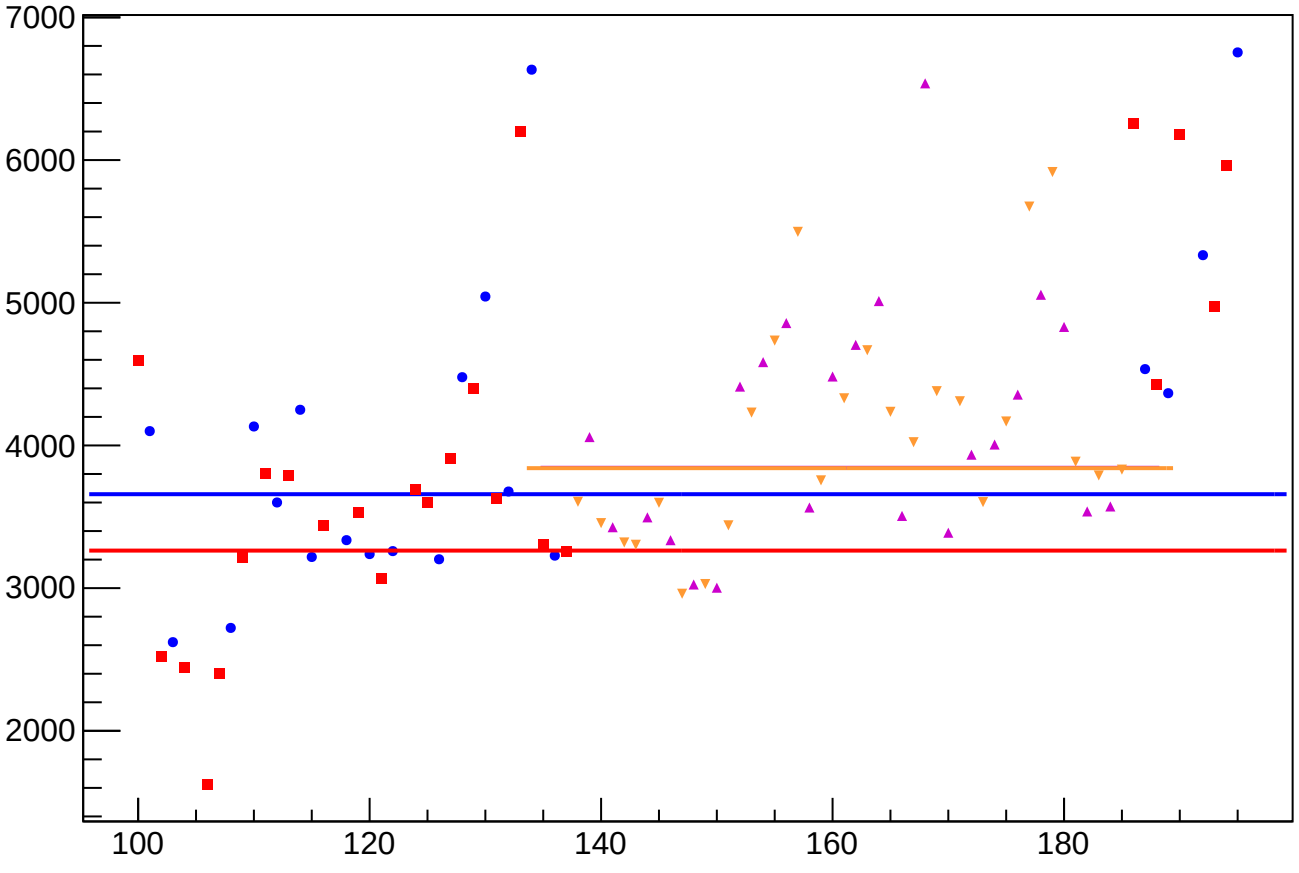
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 271.657+/-718.426 χ^2/NDF: 46.1/44

All: -83.105+/-497.728 χ^2/NDF: 85.3/91

- sign -410.548+/-690.210 χ^2/NDF: 38.8/46

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: 3263.111+/-0.743 χ^2/NDF: 2334024.4/23

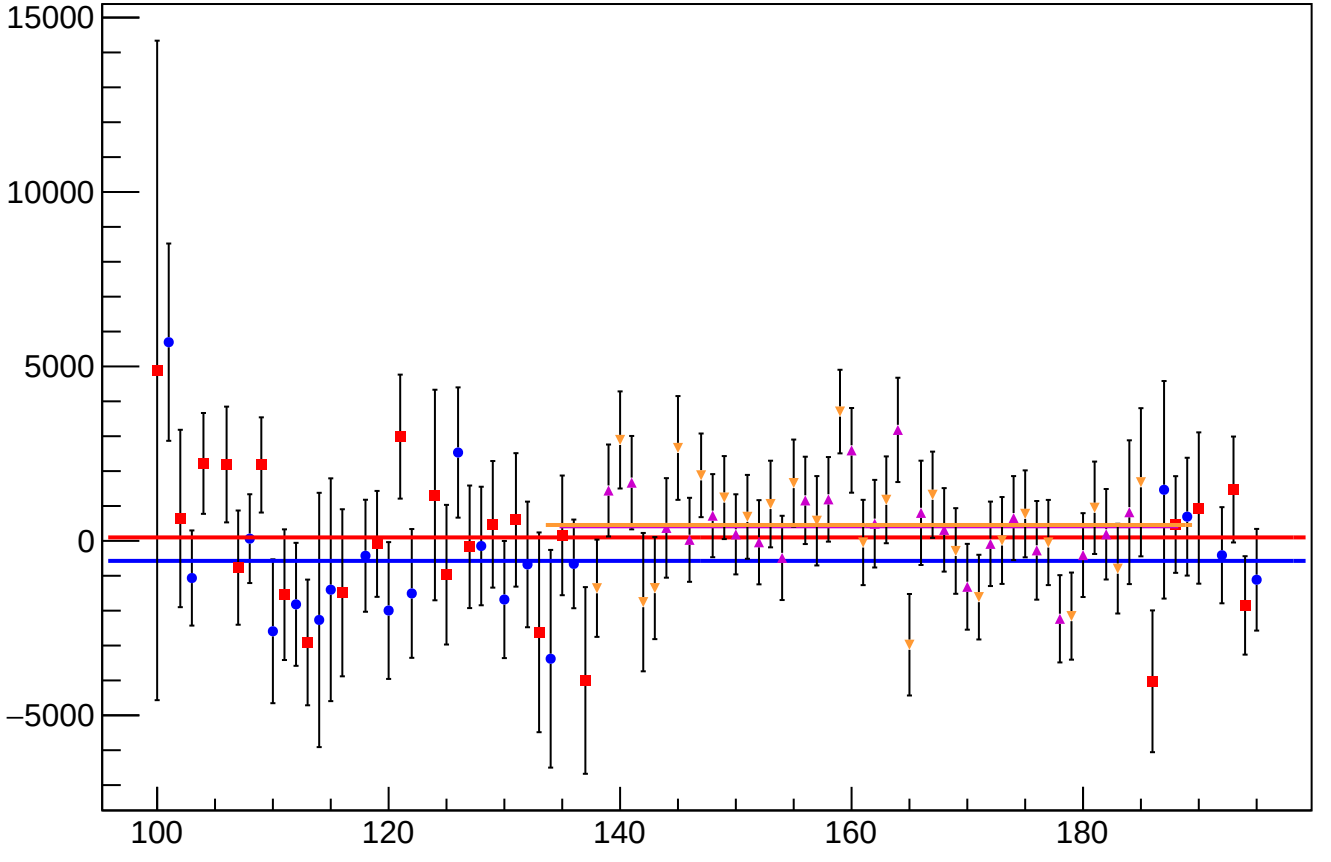
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3776.883+/-0.508 χ^2/NDF: 2406537.1/44

All: 3681.127+/-0.352 χ^2/NDF: 6351720.8/91

- sign 3592.746+/-0.488 χ^2/NDF: 3876860.1/46

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: 99.554+/-372.397 χ^2/NDF: 24.2/23

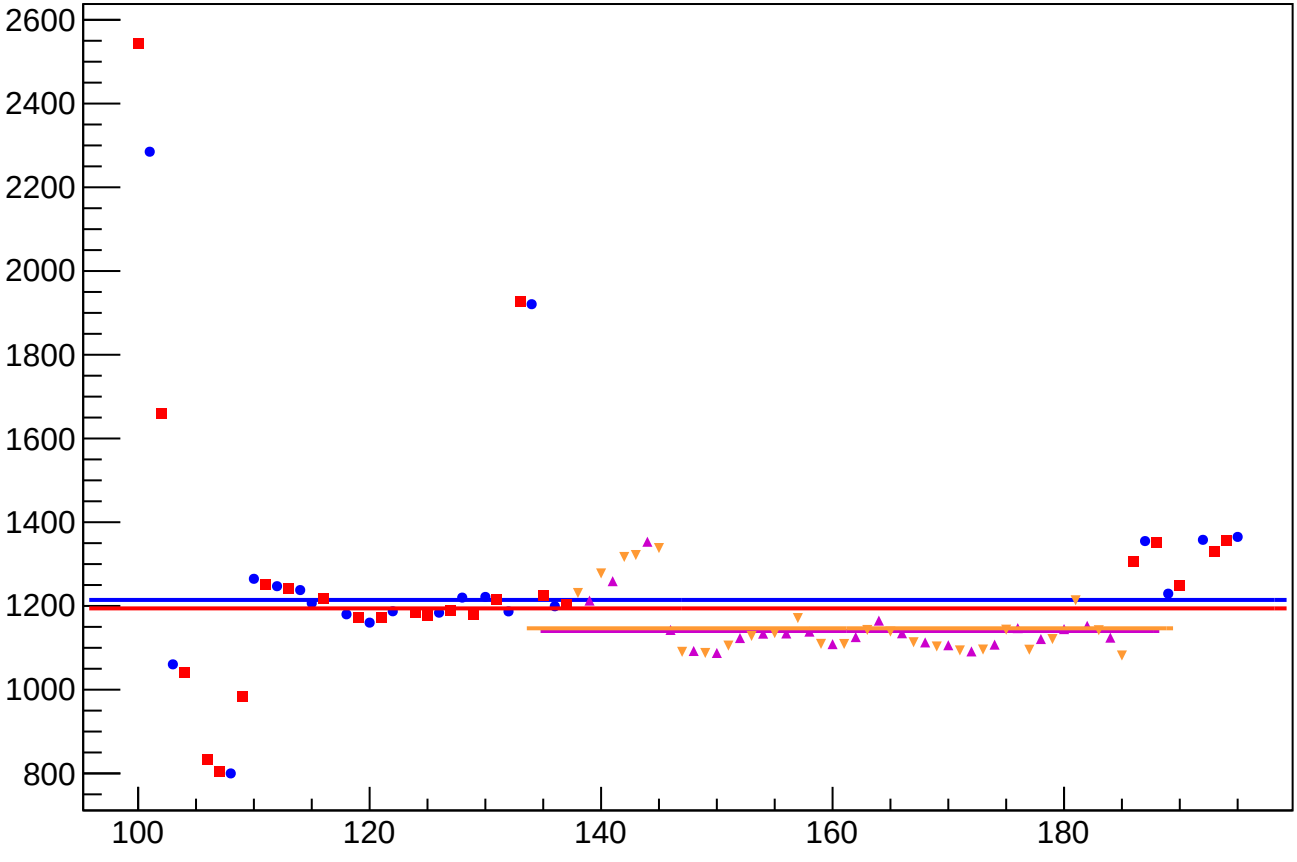
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 142.516+/-217.692 χ^2/NDF: 53.9/44

All: 226.402+/-153.603 χ^2/NDF: 96.2/91

- sign 309.575+/-216.766 χ^2/NDF: 42.0/46

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

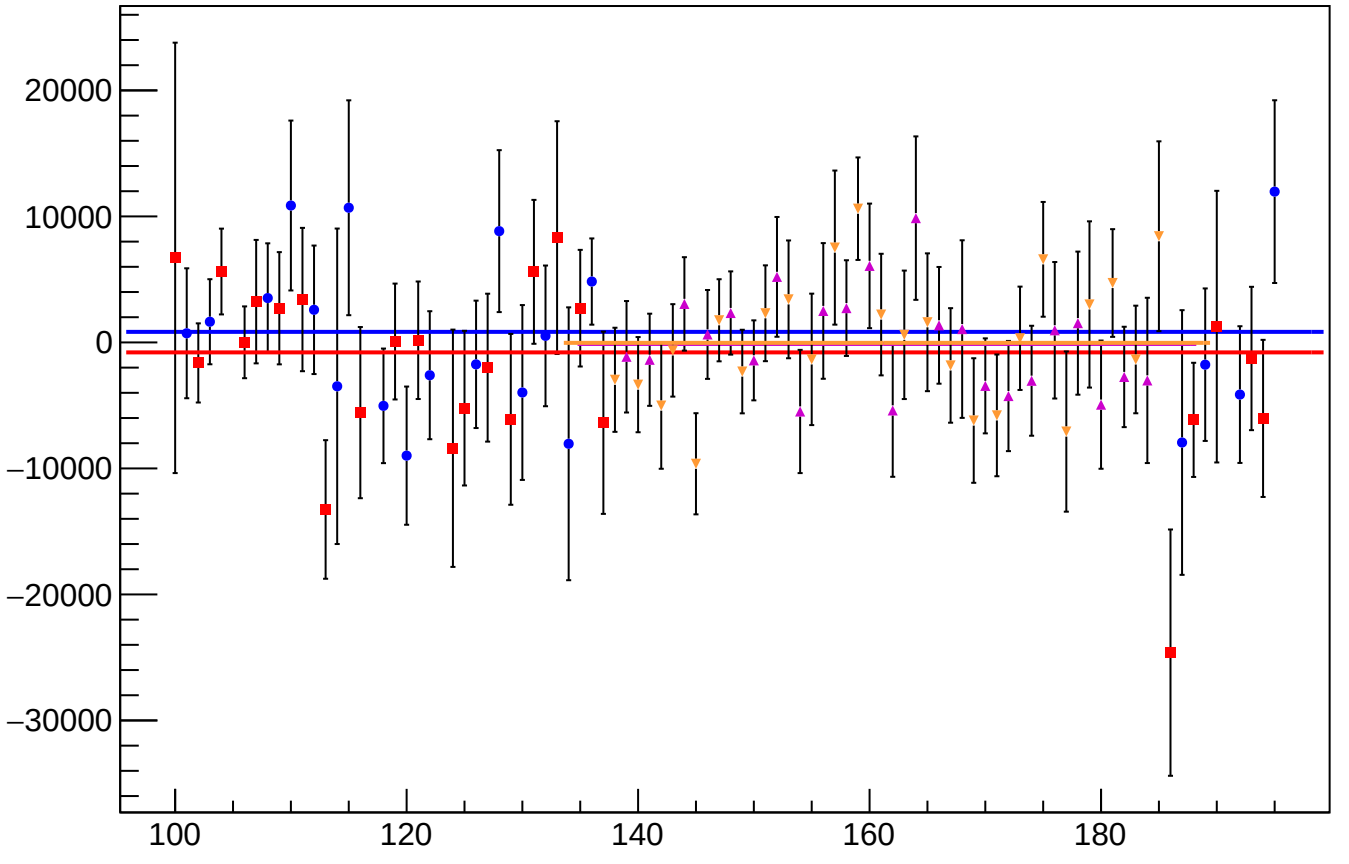
Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.1/23

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1167.241+/-0.154 χ^2/NDF: 862317.1/44

All: 1162.838+/-0.109 χ^2/NDF: 1576289.5/91

- sign 1158.474+/-0.153 χ^2/NDF: 712343.4/46



Right In: 837.463+/-1213.671 χ^2/NDF: 18.0/19

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

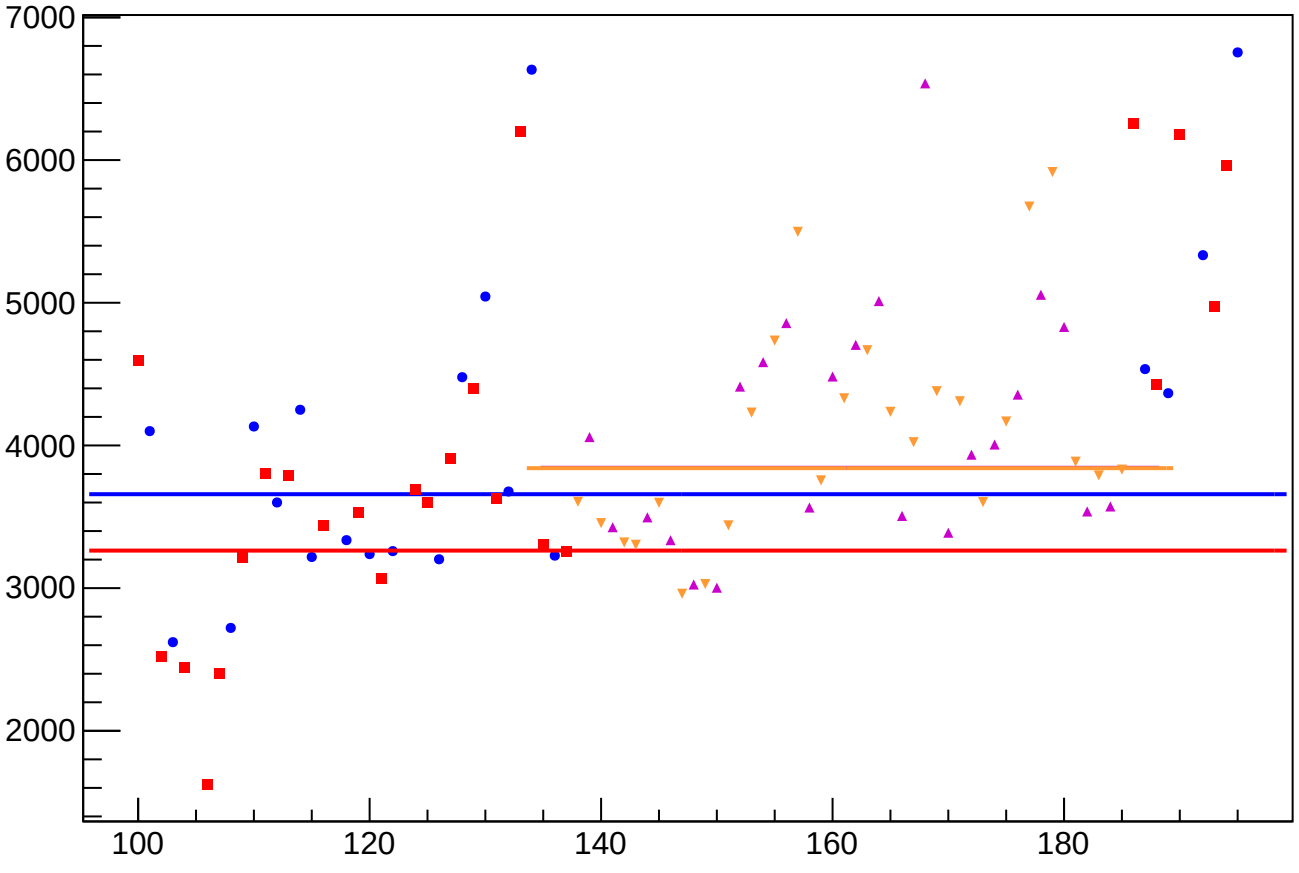
Right Out: -791.364+/-1050.269 χ^2/NDF: 24.8/23

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 271.653+/-718.426 χ^2/NDF: 46.1/44

All: -83.106+/-497.729 χ^2/NDF: 85.3/91

- sign -410.547+/-690.210 χ^2/NDF: 38.8/46



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: 3263.106+/-0.743 χ^2/NDF: 2334029.9/23

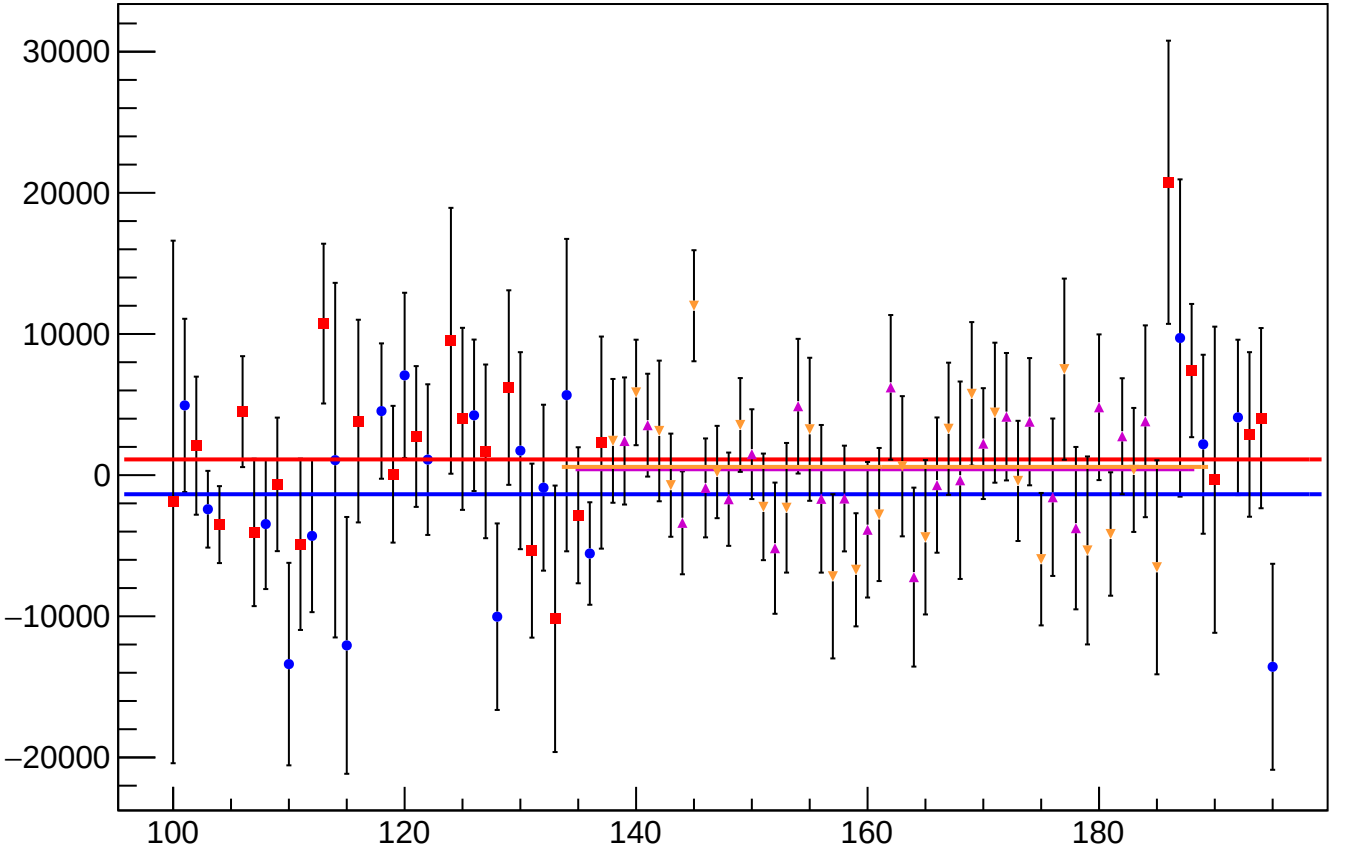
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3776.885+/-0.508 χ^2/NDF: 2406542.6/44

All: 3681.128+/-0.352 χ^2/NDF: 6351749.0/91

- sign 3592.746+/-0.488 χ^2/NDF: 3876881.2/46

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: 1114.339+/-1129.078 χ^2/NDF: 19.7/23

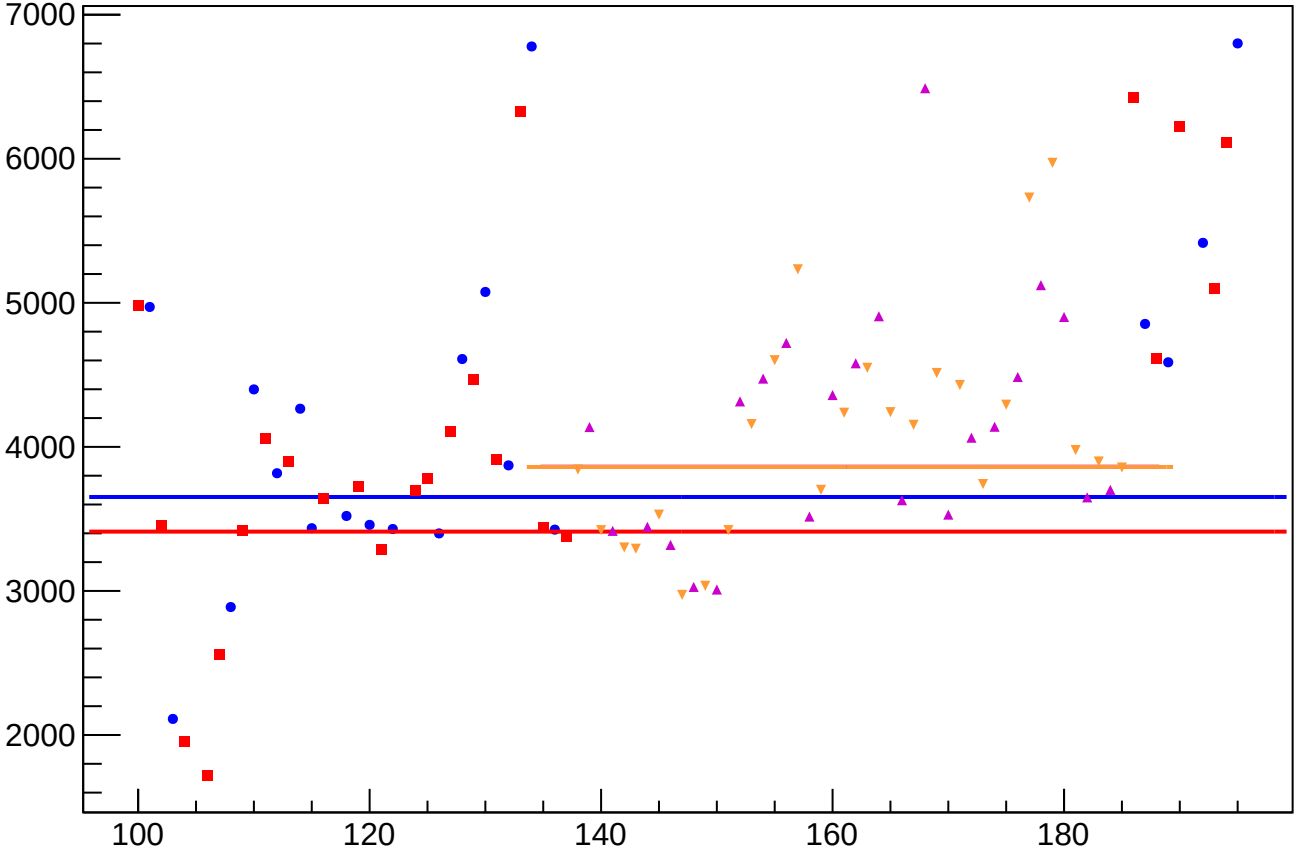
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -89.328+/-722.935 χ^2/NDF: 48.6/44

All: 308.284+/-507.553 χ^2/NDF: 81.6/91

\- sign 694.770+/-712.750 χ^2/NDF: 32.4/46

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

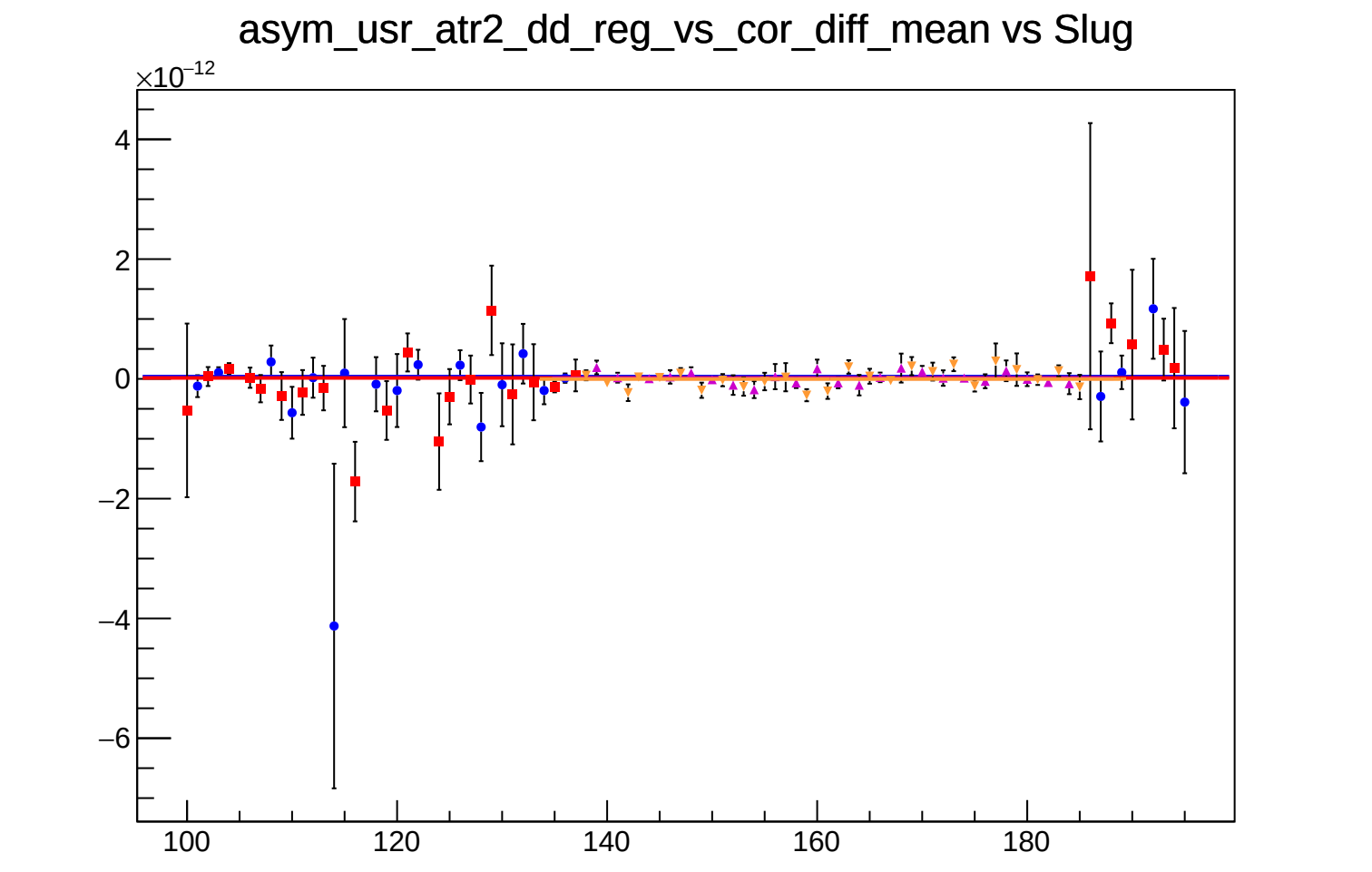
Right Out: 3411.851+/-0.787 χ^2/NDF: 2445428.3/23

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3788.161+/-0.511 χ^2/NDF: 2905643.9/44

All: 3732.848+/-0.358 χ^2/NDF: 6711044.4/91

- sign 3679.701+/-0.501 χ^2/NDF: 3782443.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

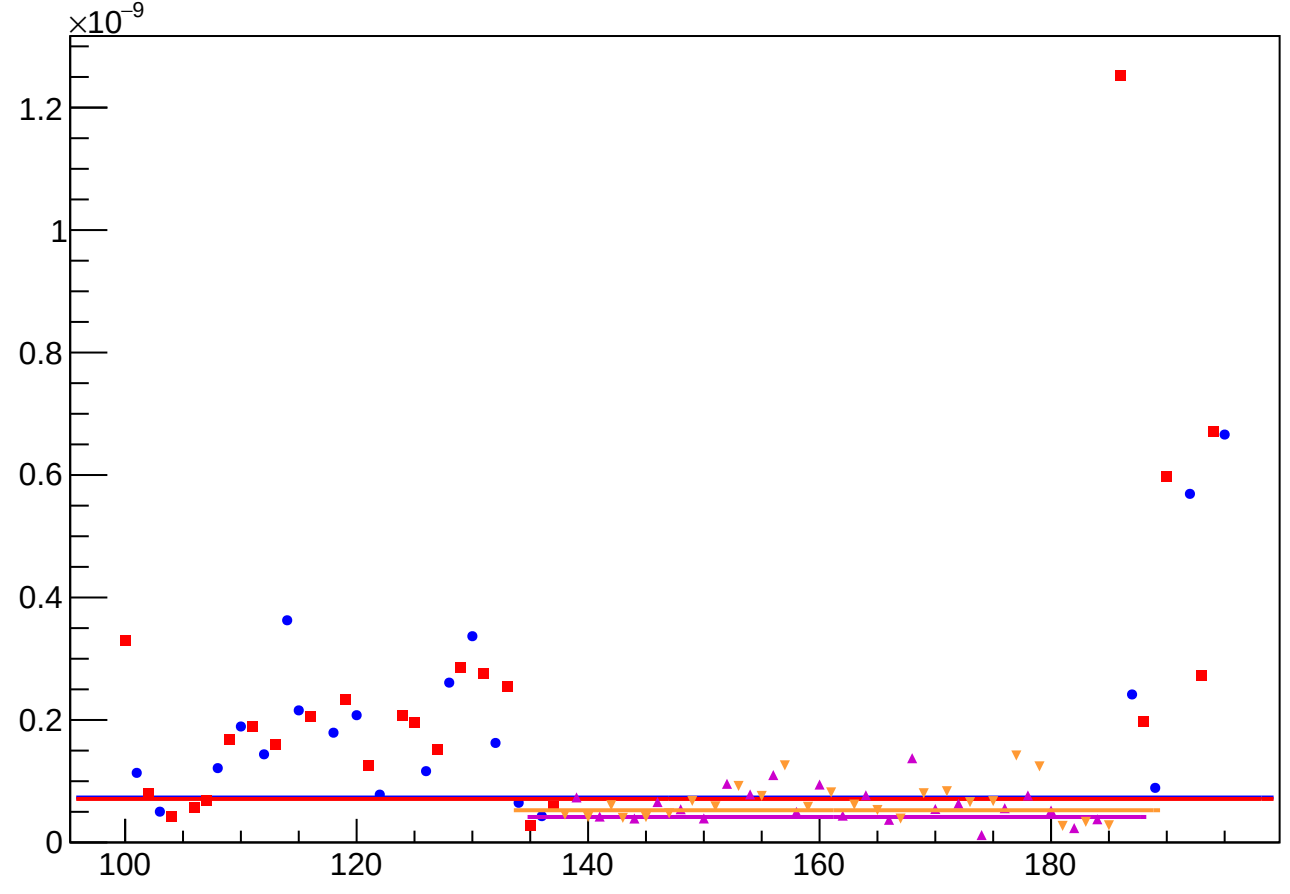
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/23

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: 93.0/91

- sign 0.000+/-0.000 χ^2/NDF: 44.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3053274.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

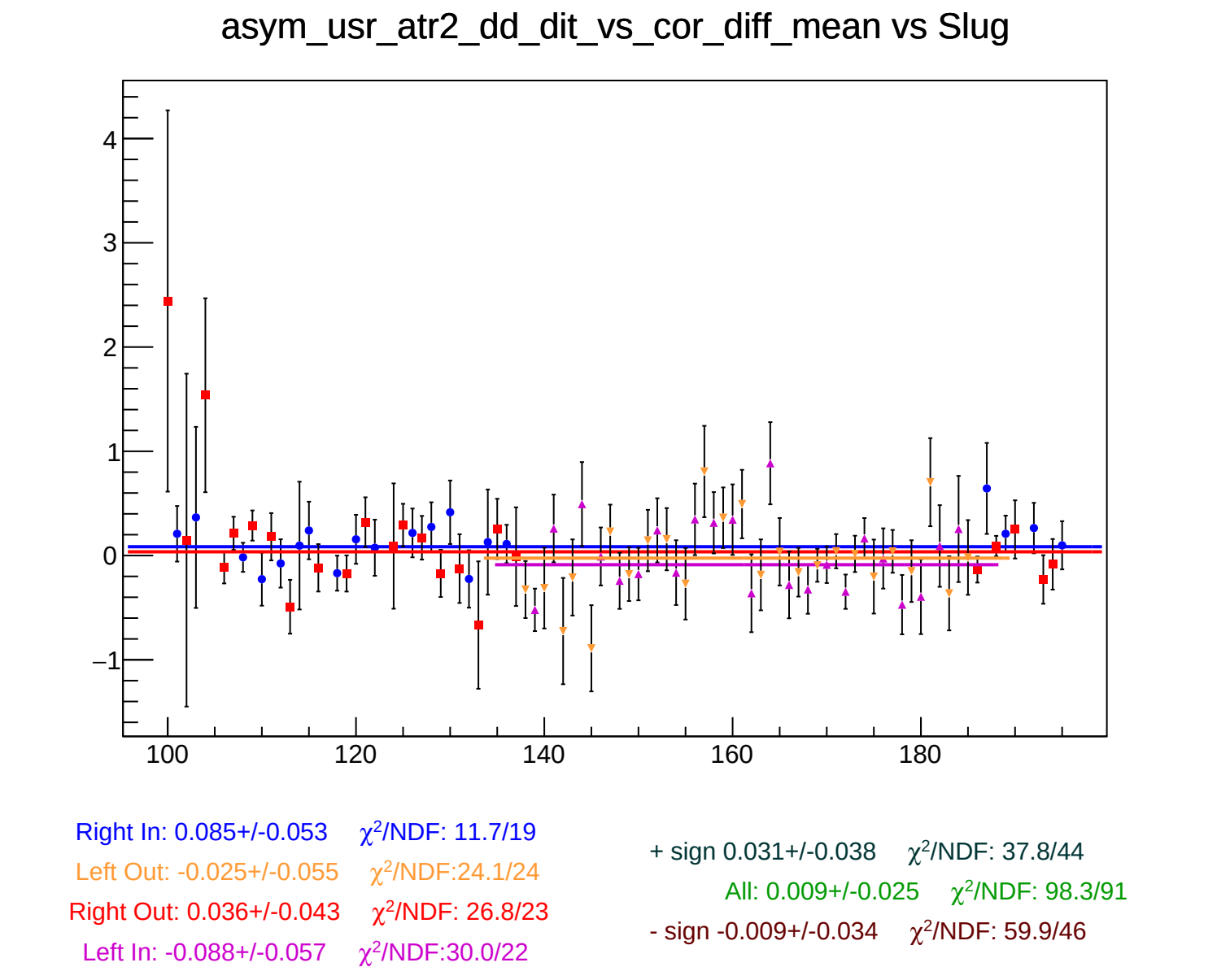
Right Out: 0.000+/-0.000 χ^2/NDF: 4388772.7/23

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4976808.6/44

All: 0.000+/-0.000 χ^2/NDF: 13241390.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7960560.9/46


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug
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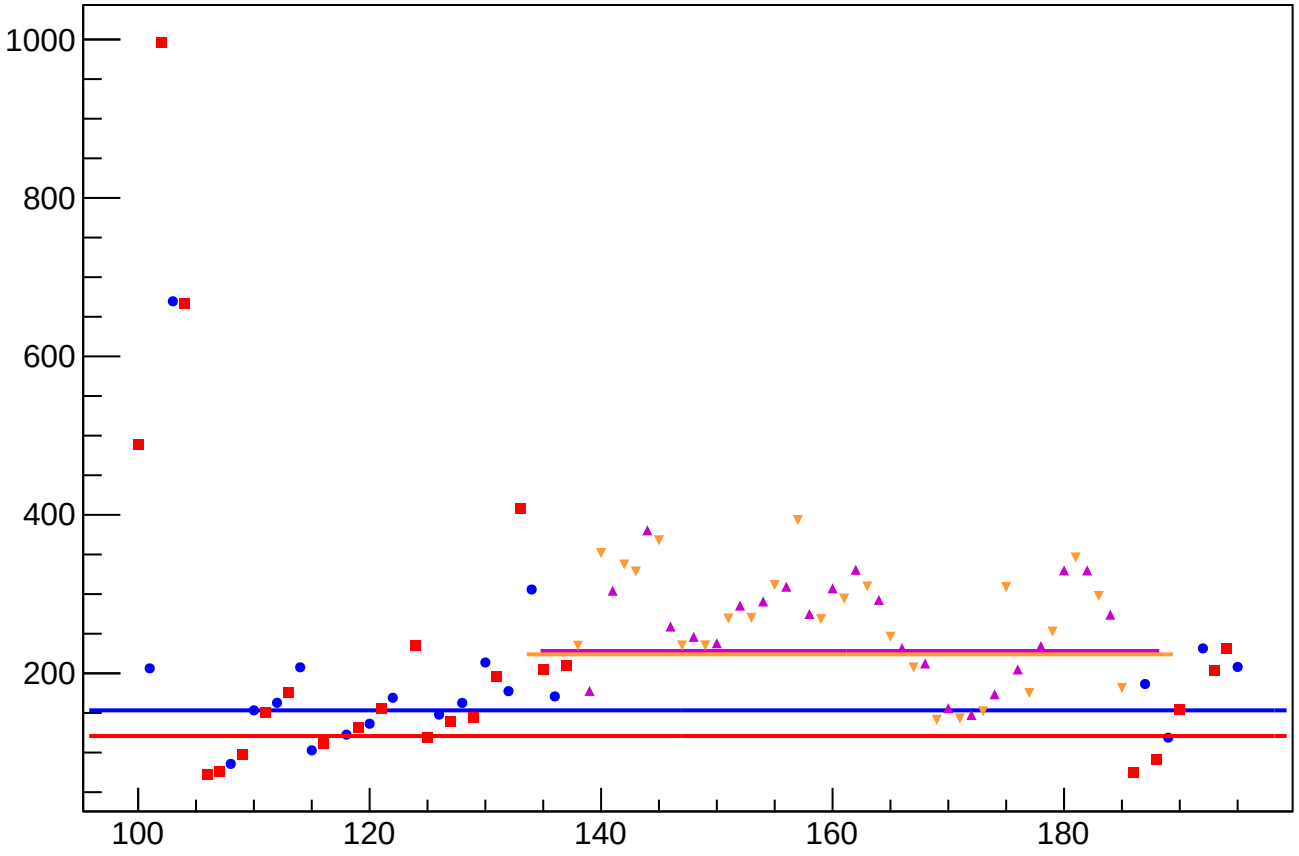
Right In: 0.085+/-0.053 χ²/NDF: 11.7/19
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.036+/-0.043 χ²/NDF: 26.8/23
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.031+/-0.038 χ²/NDF: 37.8/44
All: 0.009+/-0.025 χ²/NDF: 98.3/91
- sign -0.009+/-0.034 χ²/NDF: 59.9/46

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

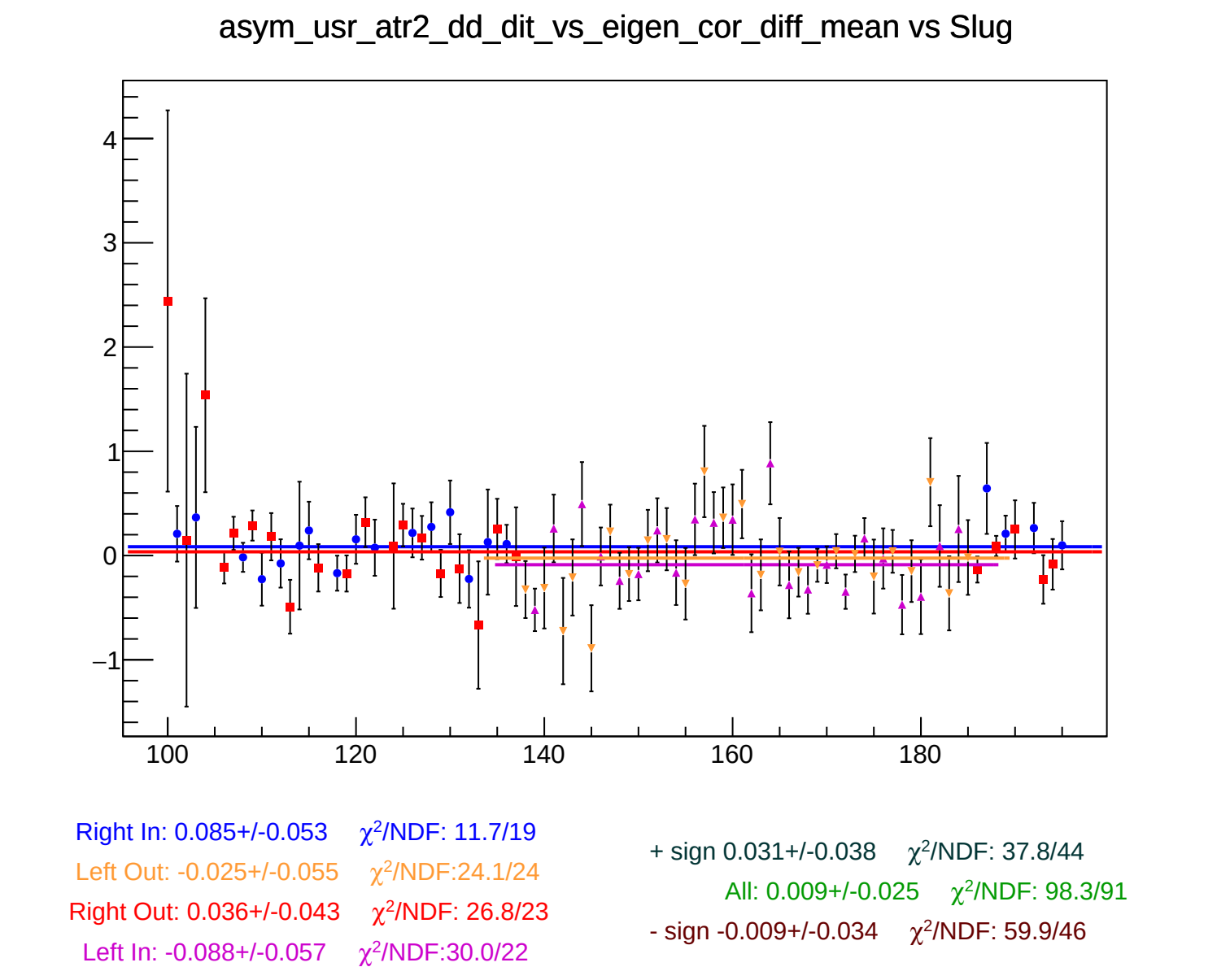
Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.765+/-0.027 χ^2/NDF: 7290103.7/44

All: 172.087+/-0.018 χ^2/NDF: 19001617.8/91

- sign 159.605+/-0.024 χ^2/NDF: 11104729.5/46


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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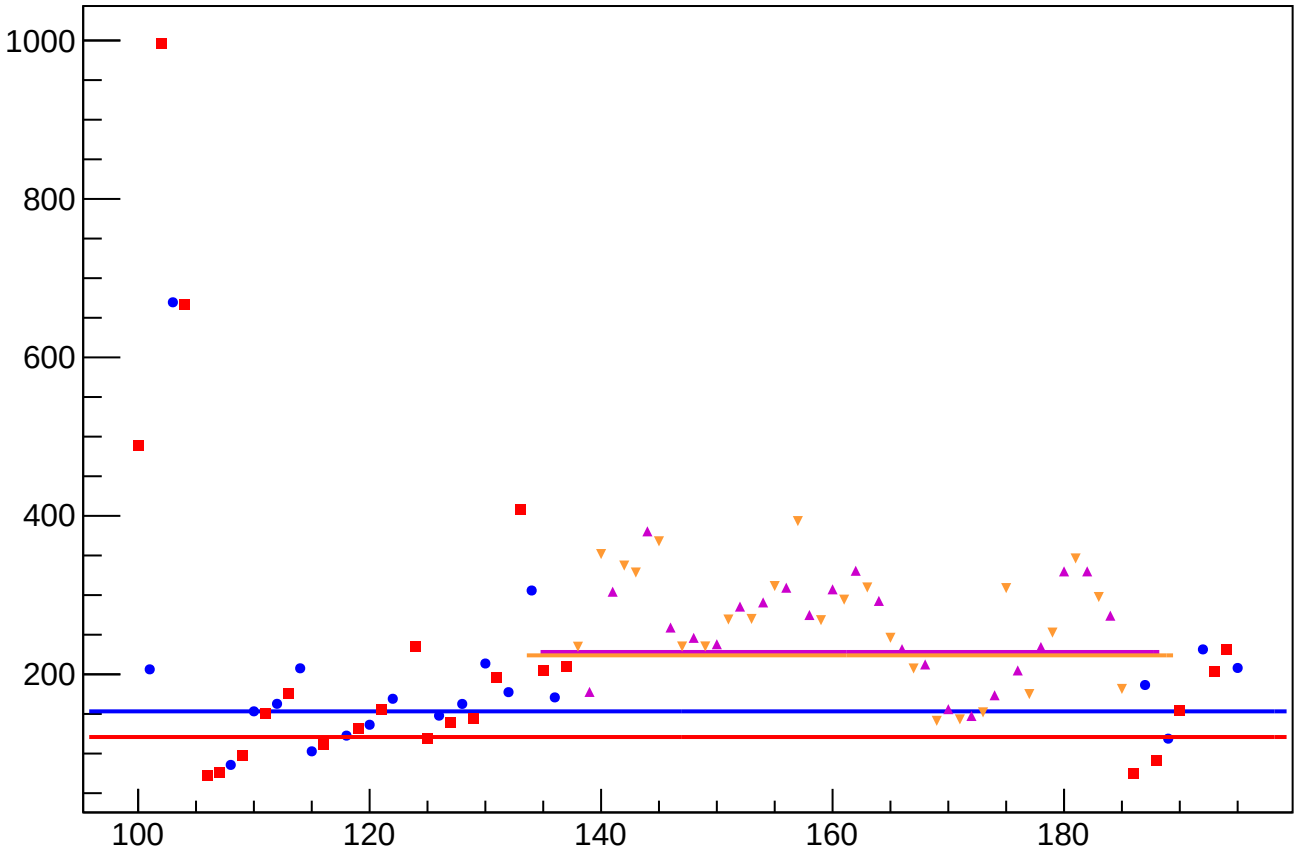
Right In: 0.085+/-0.053 χ²/NDF: 11.7/19
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.036+/-0.043 χ²/NDF: 26.8/23
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.031+/-0.038 χ²/NDF: 37.8/44
All: 0.009+/-0.025 χ²/NDF: 98.3/91
- sign -0.009+/-0.034 χ²/NDF: 59.9/46



Right In: 153.264+/-0.038 χ^2/NDF: 2136057.5/19

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

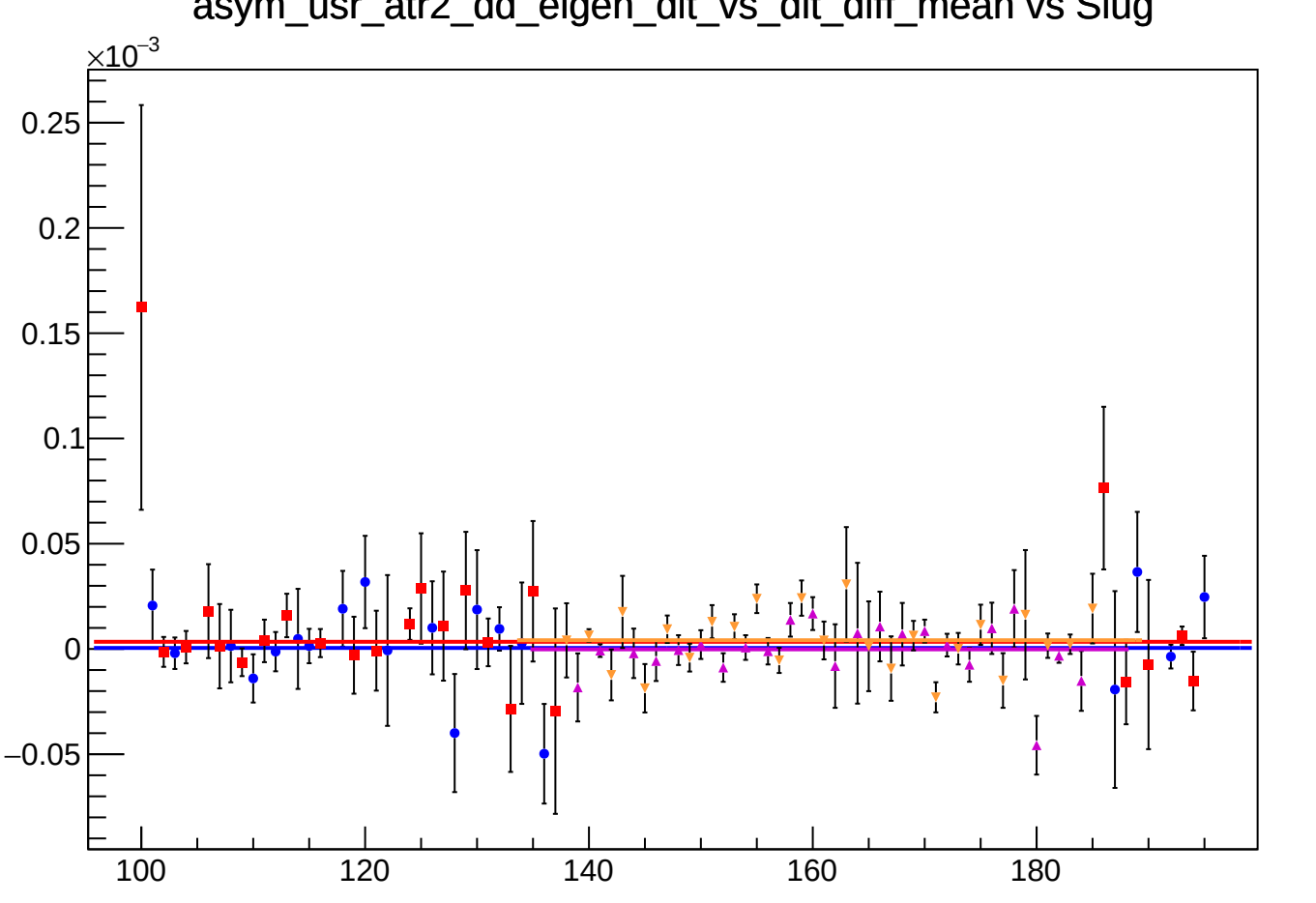
Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.765+/-0.027 χ^2/NDF: 7290103.7/44

All: 172.087+/-0.018 χ^2/NDF: 19001617.8/91

- sign 159.605+/-0.024 χ^2/NDF: 11104729.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

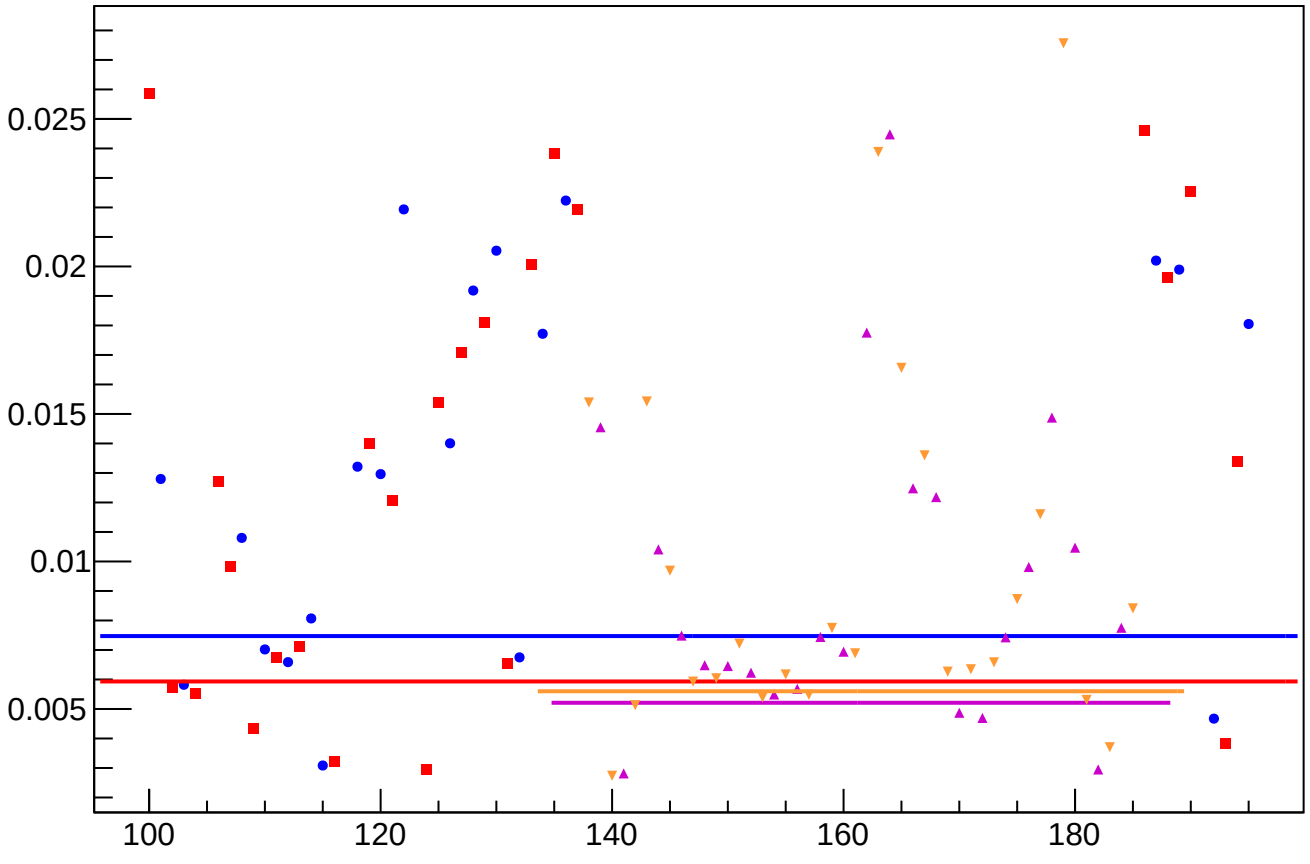
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/23

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/44

All: 0.000+/-0.000 χ^2/NDF: 121.6/91

- sign 0.000+/-0.000 χ^2/NDF: 51.4/46



Right In: 0.007+/-0.000 χ^2/NDF: 5212222.2/19

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6779273.7/23

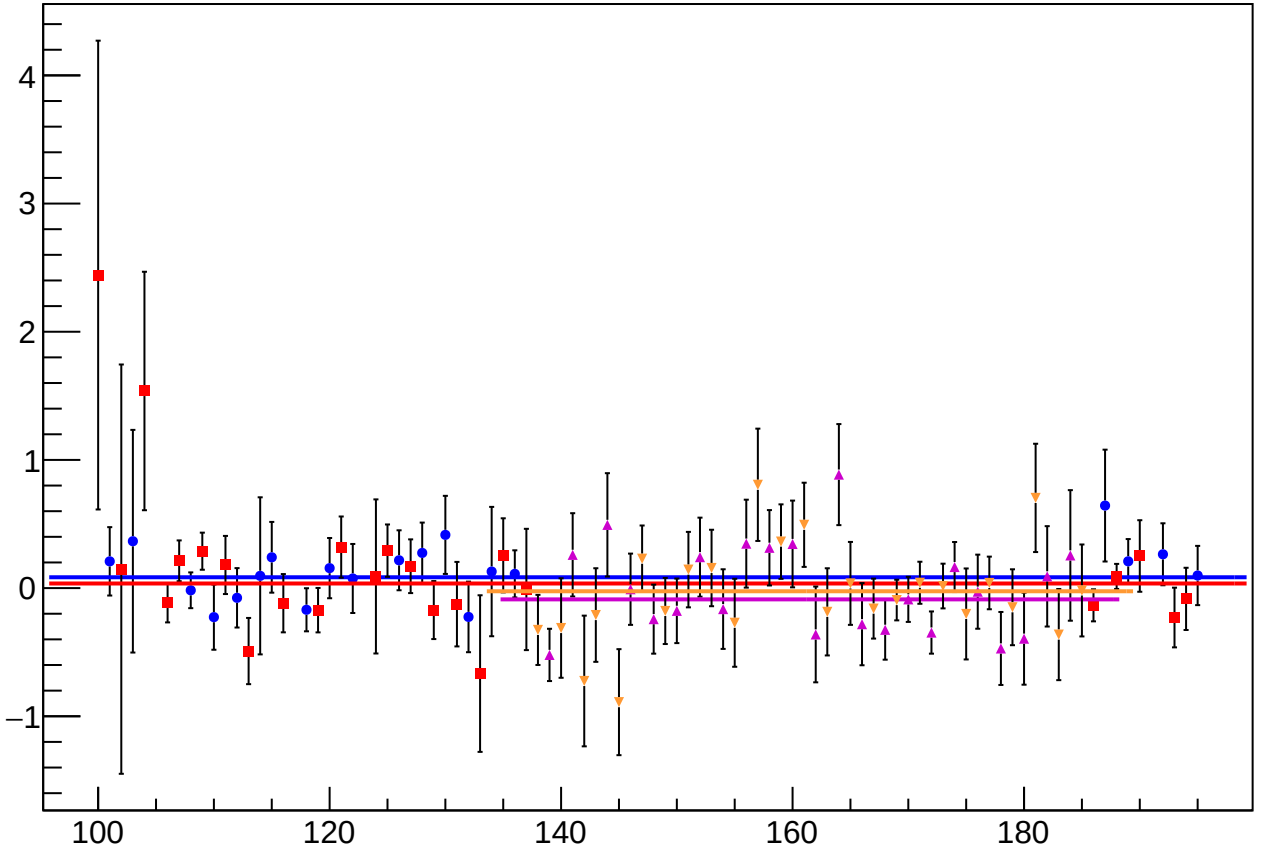
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 13643746.6/44

All: 0.006+/-0.000 χ^2/NDF: 28231147.5/91

- sign 0.005+/-0.000 χ^2/NDF: 14390114.5/46

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: 0.036+/-0.043 χ^2/NDF: 26.8/23

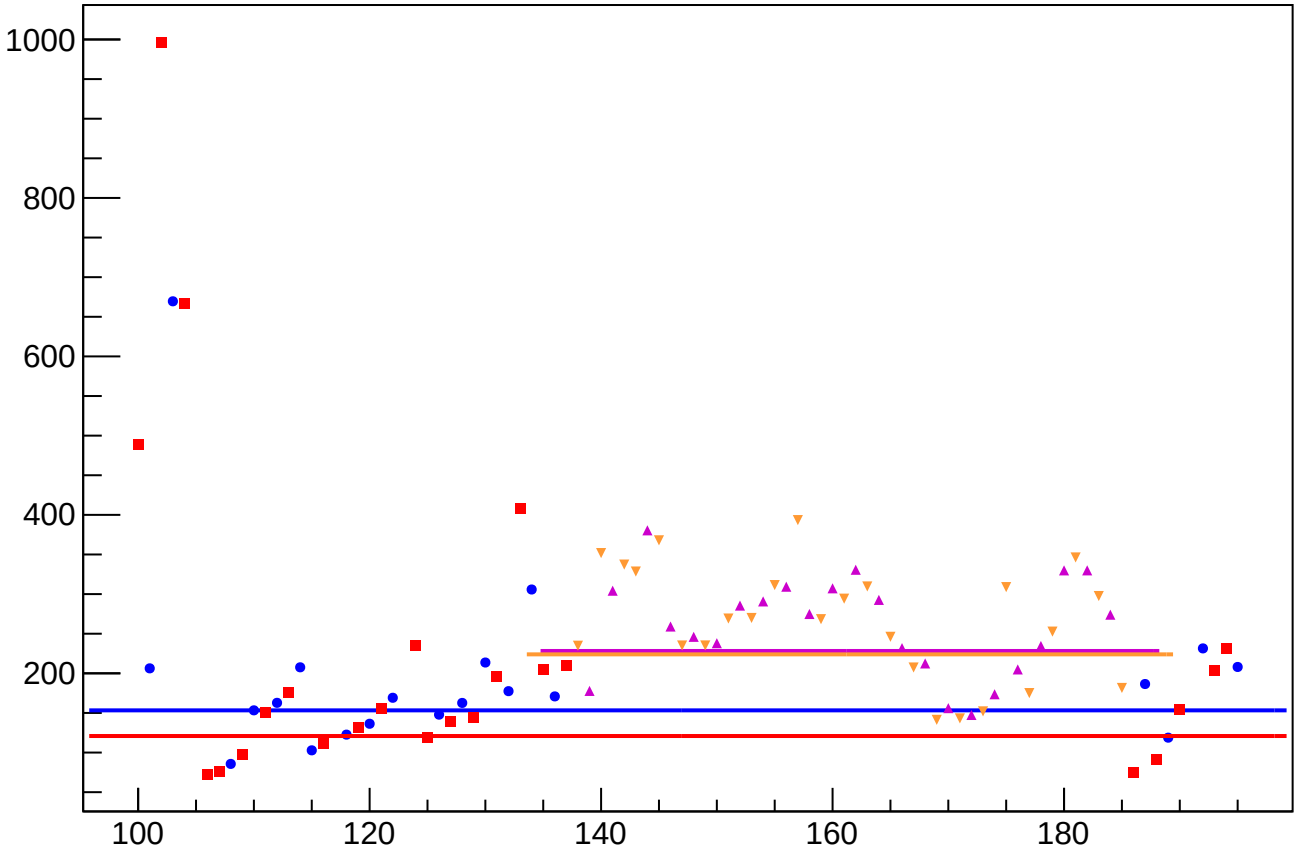
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.038 χ^2/NDF: 37.8/44

All: 0.009+/-0.025 χ^2/NDF: 98.3/91

- sign -0.009+/-0.034 χ^2/NDF: 59.9/46

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

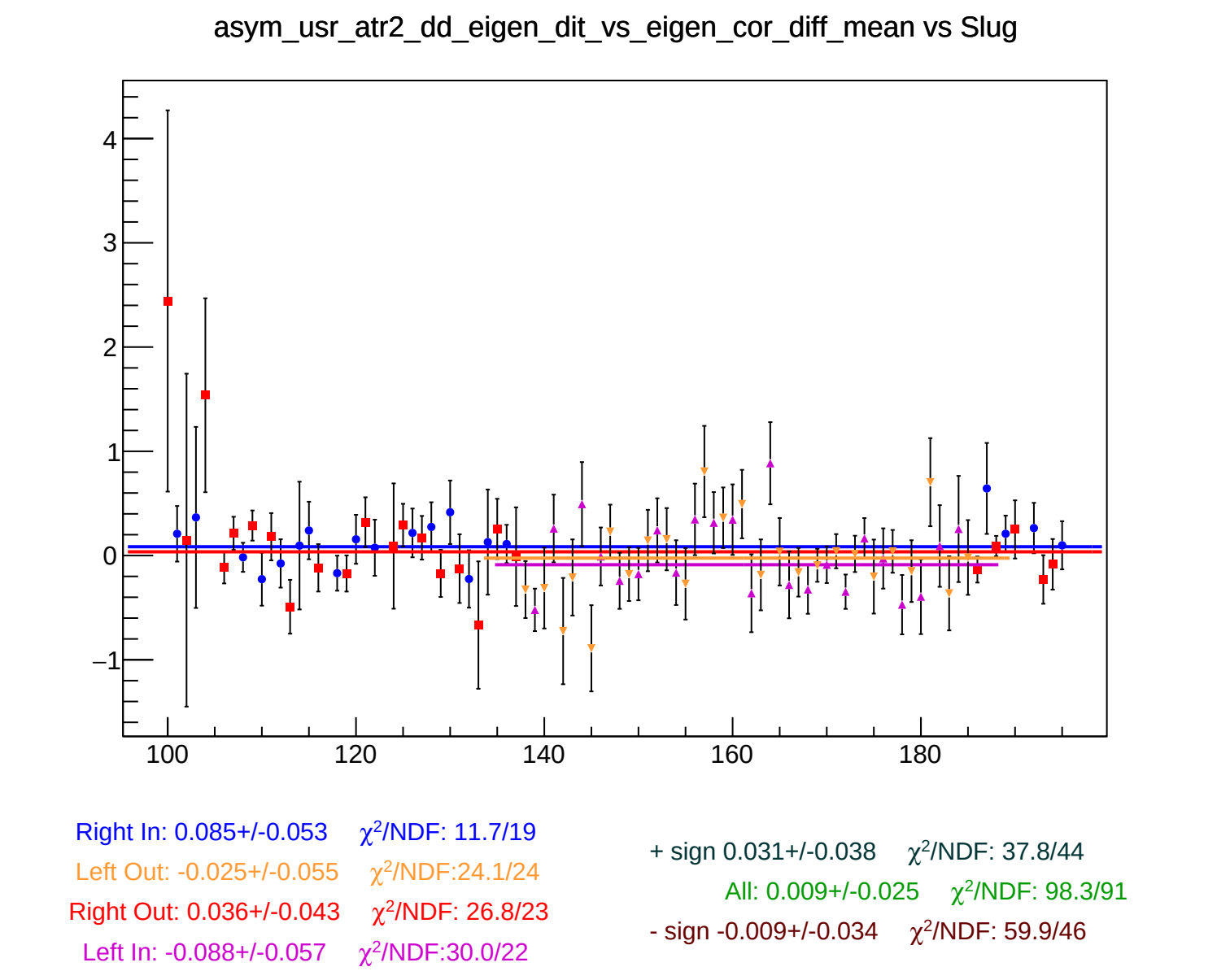
Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.763+/-0.027 χ^2/NDF: 7290583.1/44

All: 172.089+/-0.018 χ^2/NDF: 19001073.5/91

- sign 159.610+/-0.024 χ^2/NDF: 11104000.6/46


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
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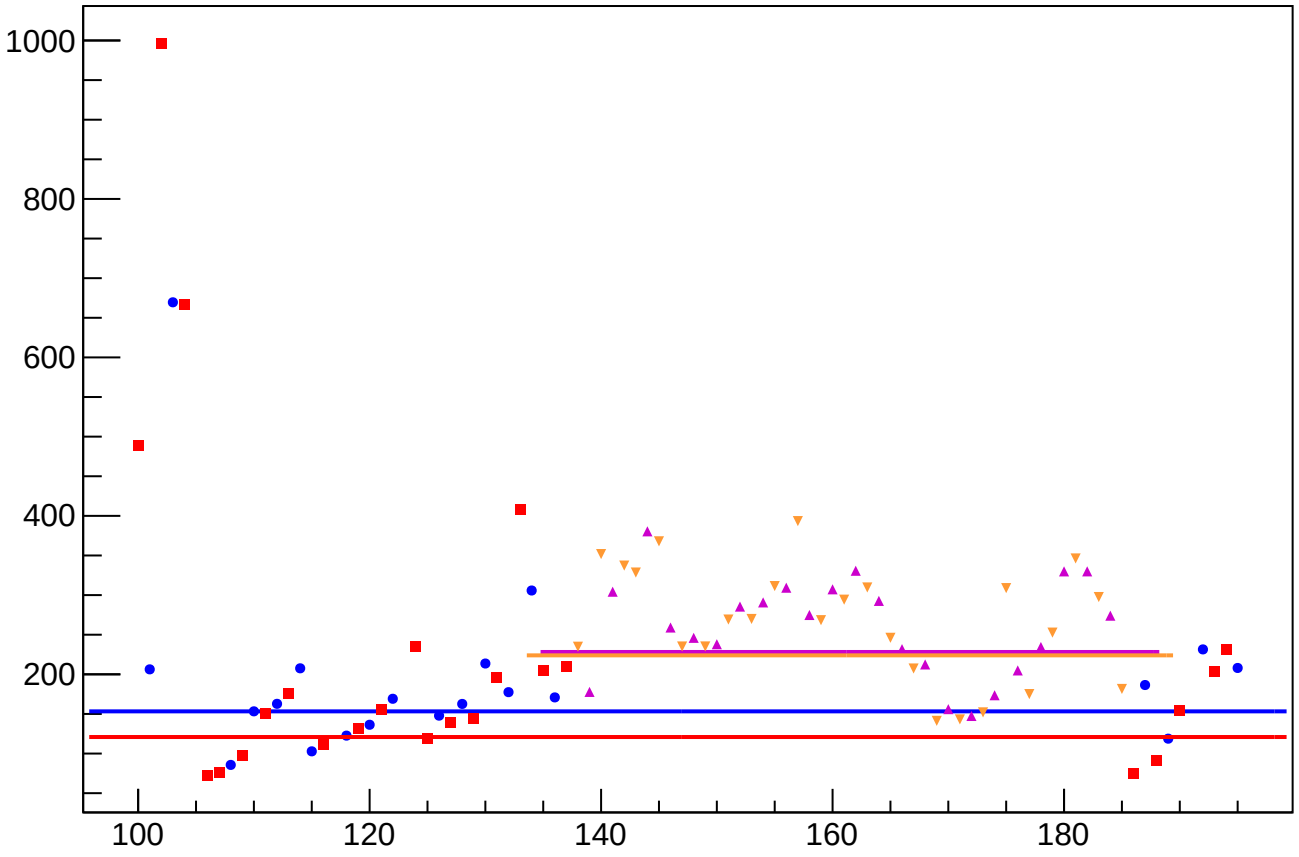
Right In: 0.085+/-0.053 χ²/NDF: 11.7/19
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.036+/-0.043 χ²/NDF: 26.8/23
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.031+/-0.038 χ²/NDF: 37.8/44
All: 0.009+/-0.025 χ²/NDF: 98.3/91
- sign -0.009+/-0.034 χ²/NDF: 59.9/46



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

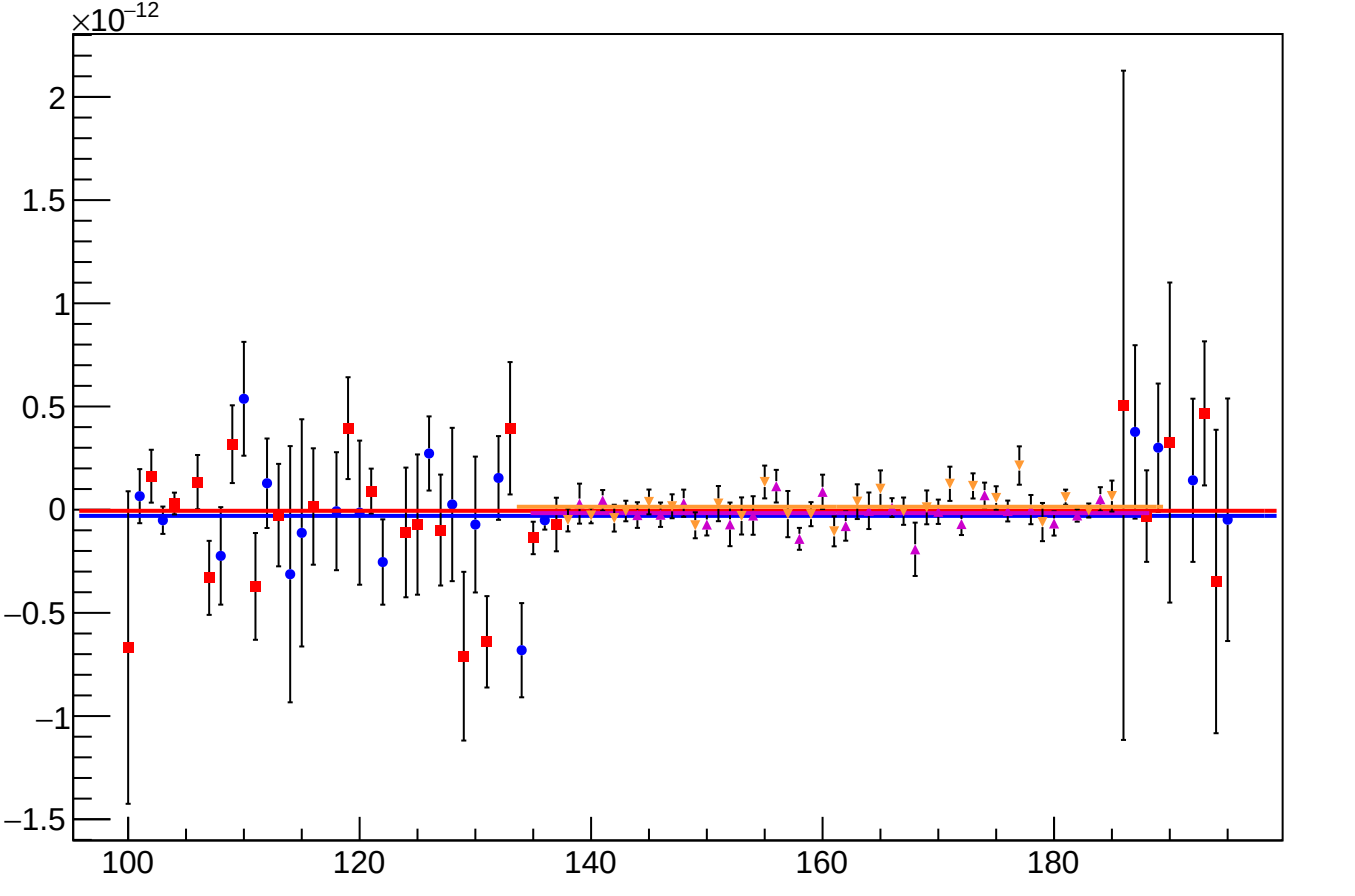
Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.763+/-0.027 χ^2/NDF: 7290583.1/44

All: 172.089+/-0.018 χ^2/NDF: 19001073.5/91

- sign 159.610+/-0.024 χ^2/NDF: 11104000.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/19

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

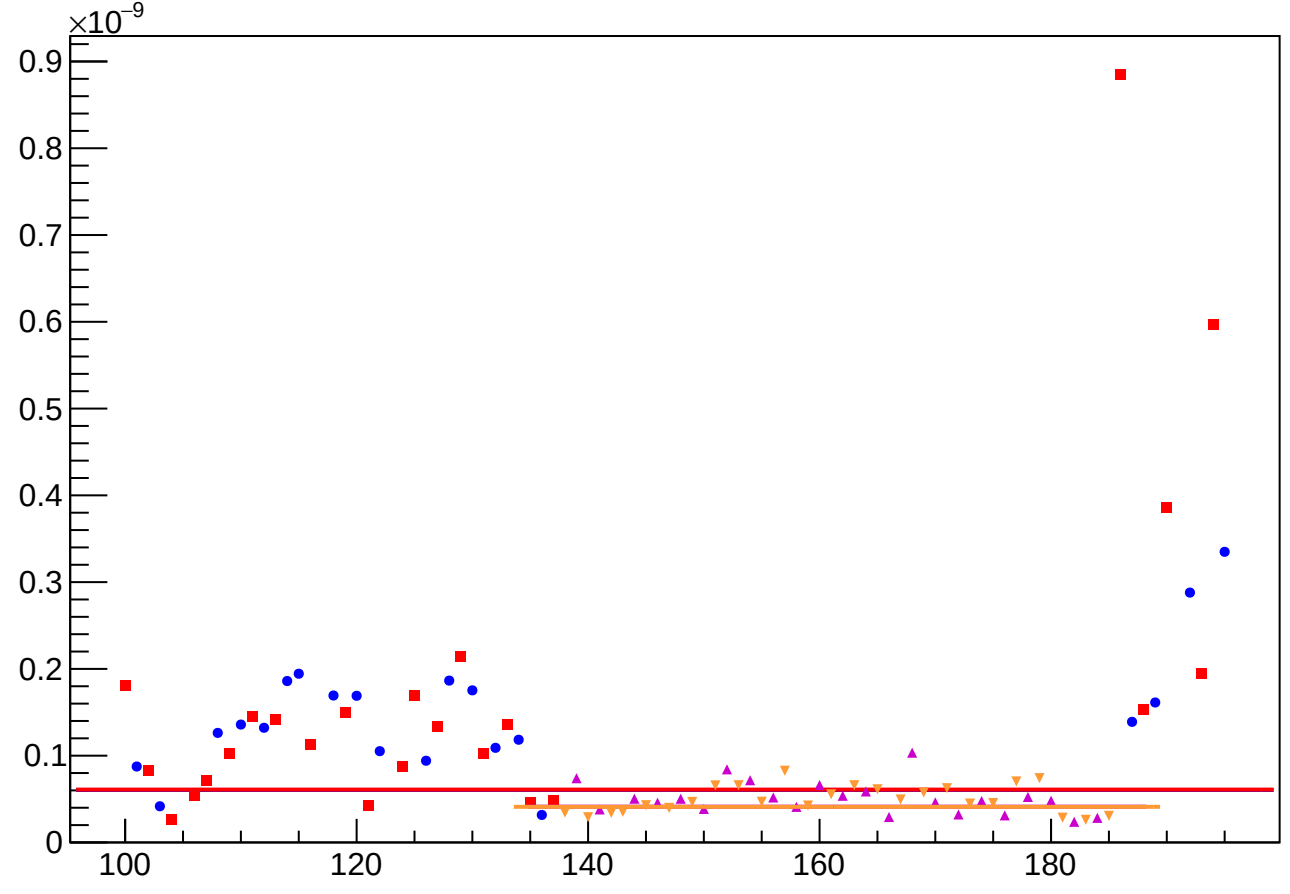
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/23

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: 107.0/91

- sign -0.000+/-0.000 χ^2/NDF: 56.0/46



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: 5353718.5/23

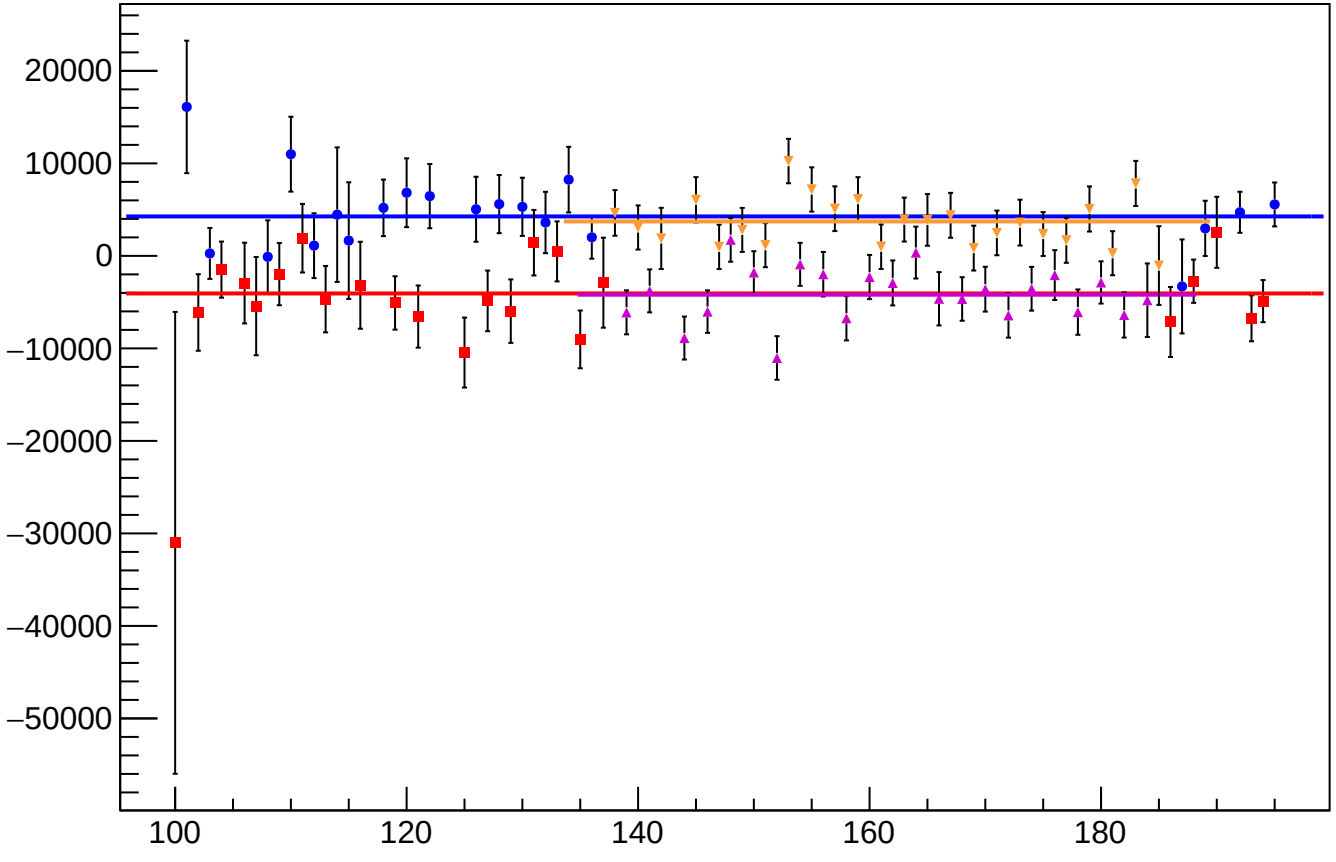
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7821094.7/44

All: 0.000+/-0.000 χ^2/NDF: 16702925.8/91

- sign 0.000+/-0.000 χ^2/NDF: 8881015.8/46

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: -4062.822+/-708.396 χ^2/NDF: 21.4/22

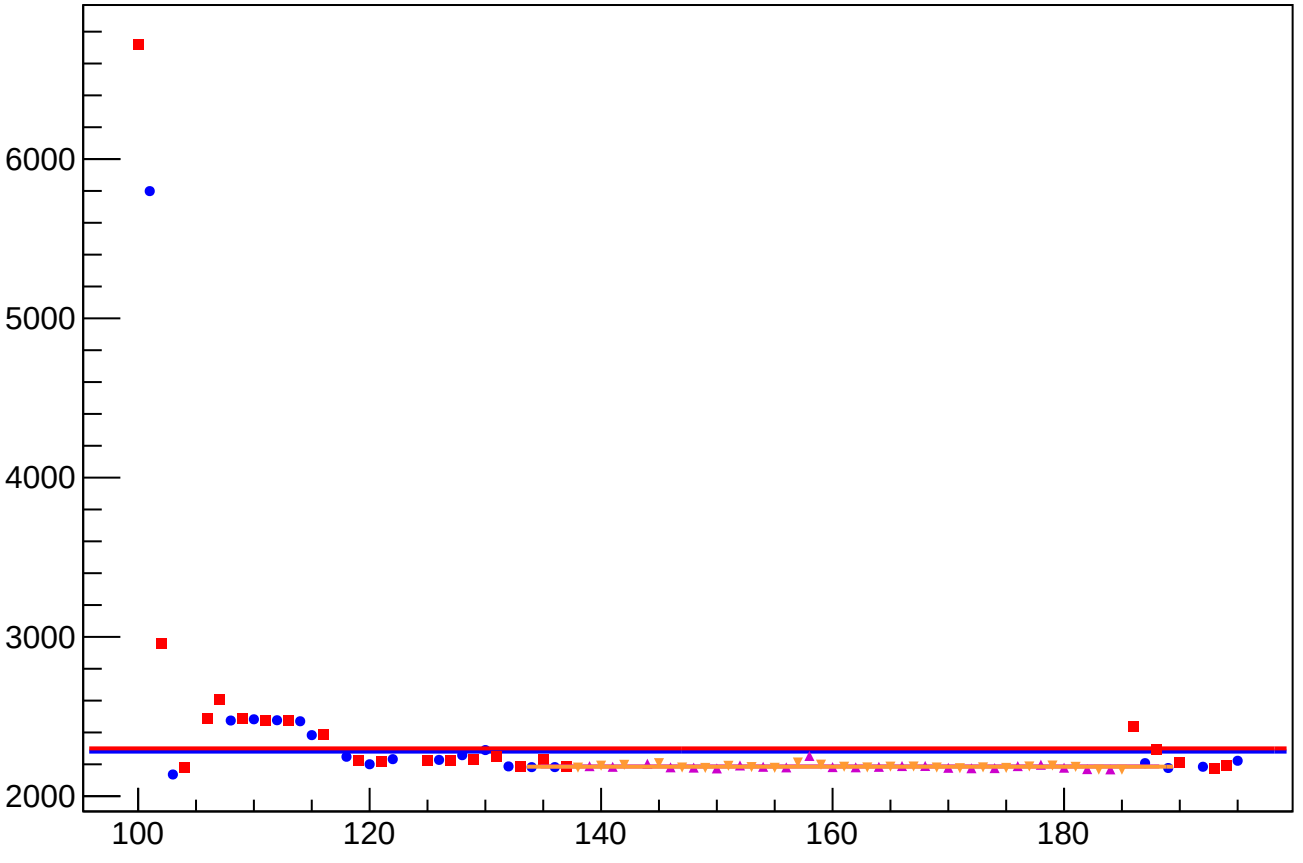
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.358+/-417.922 χ^2/NDF: 41.9/43

All: -162.491+/-294.192 χ^2/NDF: 282.6/89

- sign -4150.431+/-414.204 χ^2/NDF: 53.6/45

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

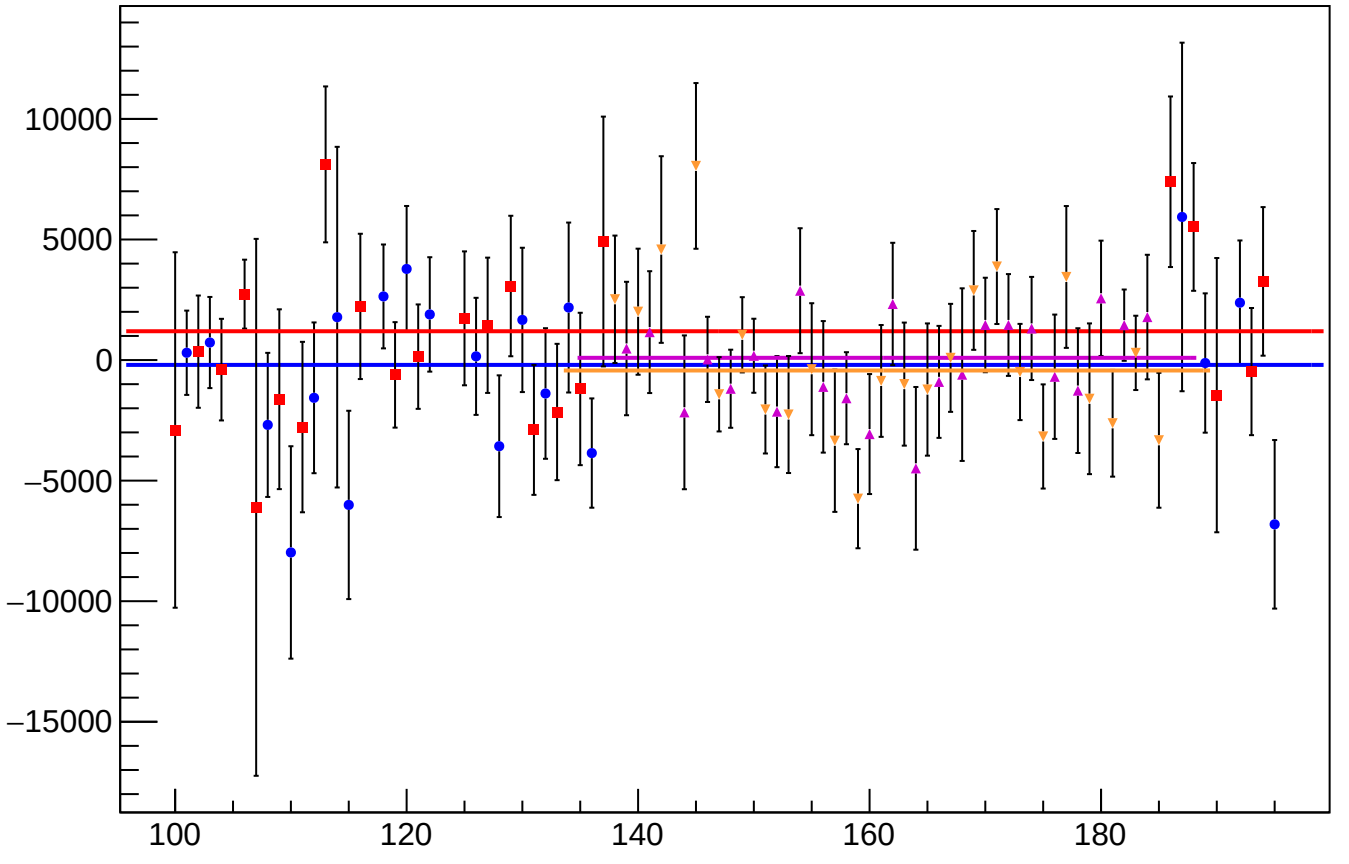
Right Out: 2299.989+/-0.501 χ^2/NDF: 167085.3/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546135.6/43

All: 2220.530+/-0.208 χ^2/NDF: 749493.2/89

- sign 2225.461+/-0.293 χ^2/NDF: 202785.5/45



Right In: -200.580+/-611.058 χ^2/NDF: 21.7/19

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

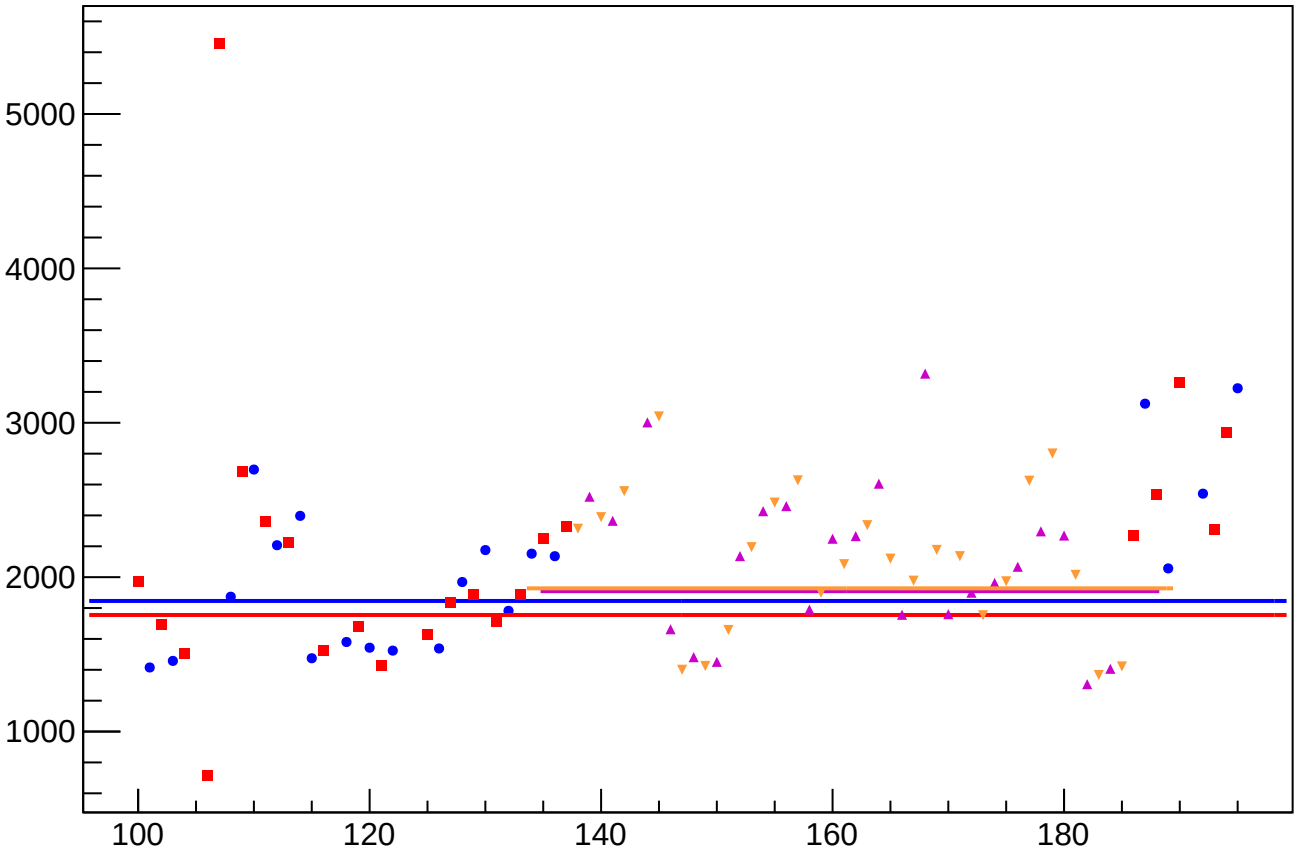
Right Out: 1195.288+/-578.962 χ^2/NDF: 22.1/22

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -347.921+/-368.719 χ^2/NDF: 53.1/43

All: 95.900+/-257.761 χ^2/NDF: 93.0/89

- sign 520.109+/-360.480 χ^2/NDF: 37.1/45



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: 1755.099+/-0.409 χ^2/NDF: 2423612.1/22

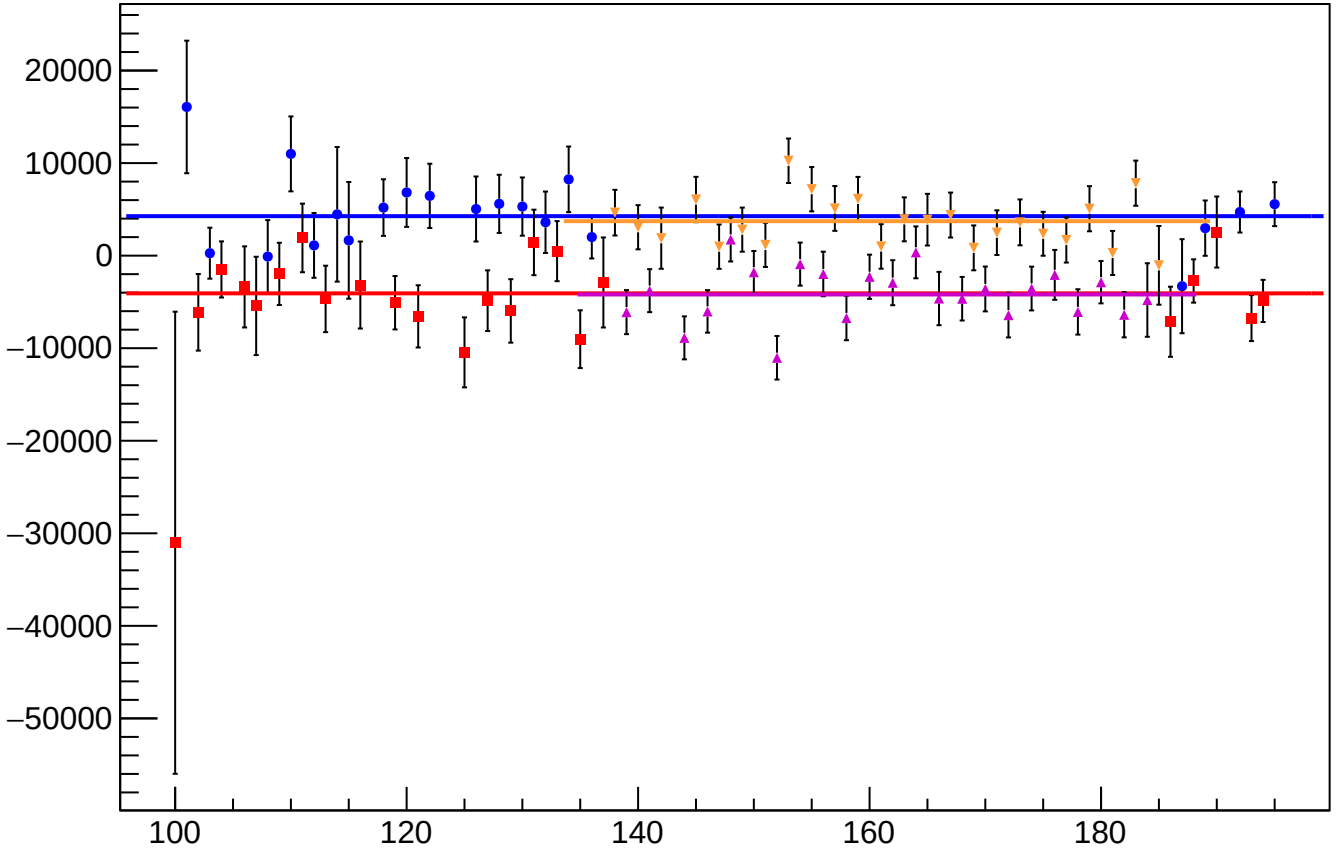
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1897.889+/-0.261 χ^2/NDF: 2890557.2/43

All: 1873.256+/-0.182 χ^2/NDF: 7361118.1/89

- sign 1849.712+/-0.255 χ^2/NDF: 4453103.2/45

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: -4074.836+/-708.477 χ^2/NDF: 21.4/22

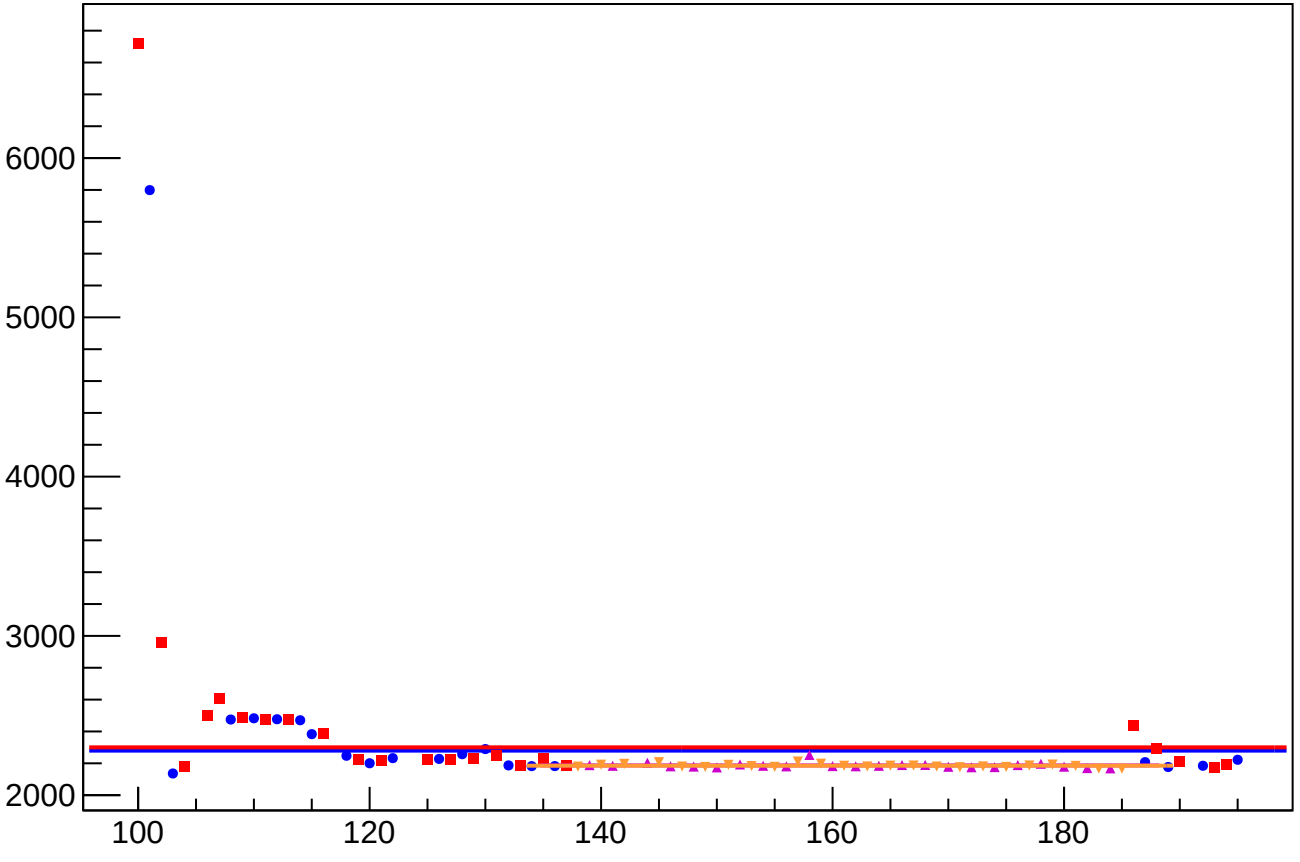
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.179+/-417.922 χ^2/NDF: 41.9/43

All: -164.537+/-294.198 χ^2/NDF: 282.7/89

- sign -4154.622+/-414.220 χ^2/NDF: 53.5/45

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

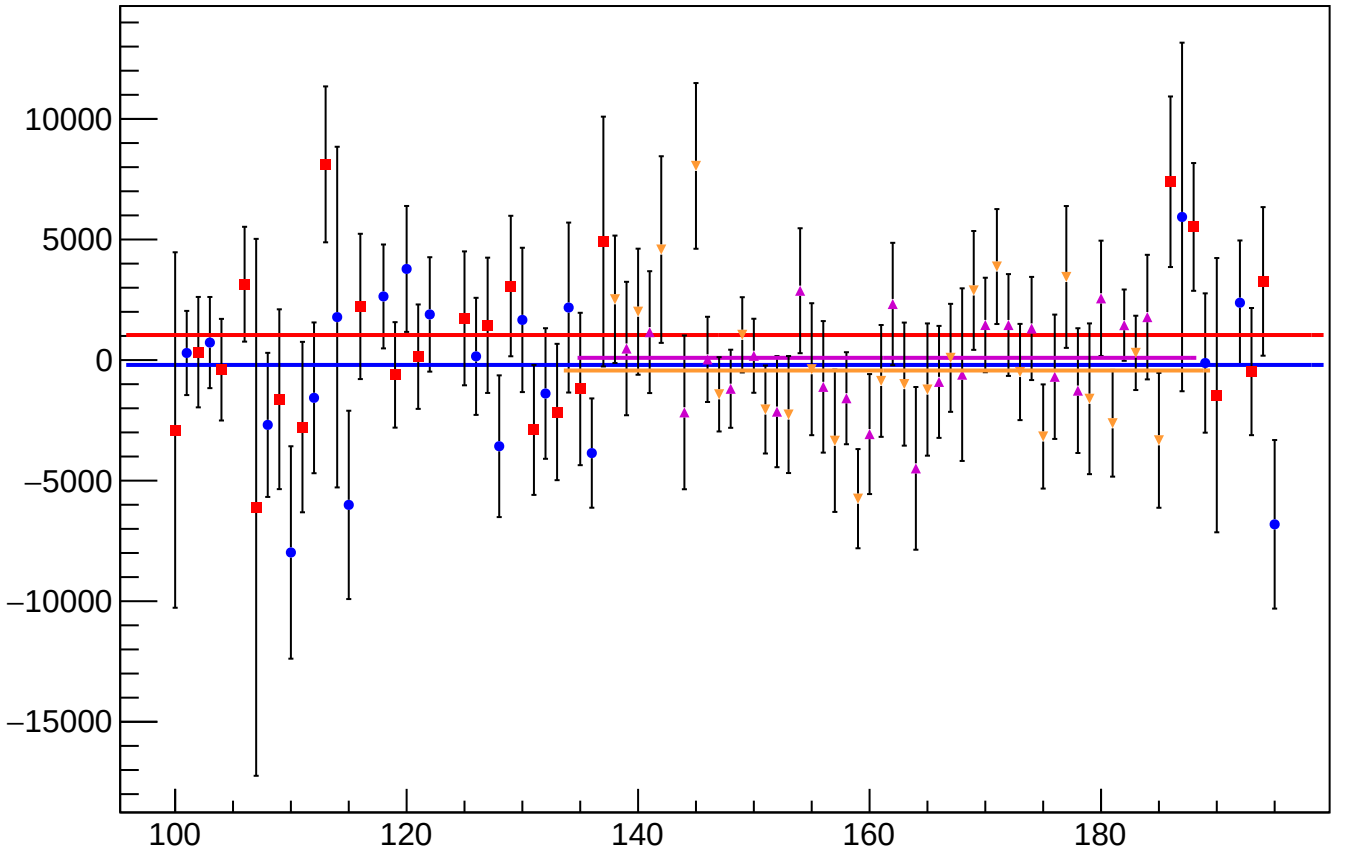
Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546136.0/43

All: 2220.568+/-0.208 χ^2/NDF: 750042.5/89

- sign 2225.537+/-0.293 χ^2/NDF: 203325.7/45



Right In: -201.477+/-610.955 χ^2/NDF: 21.7/19

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

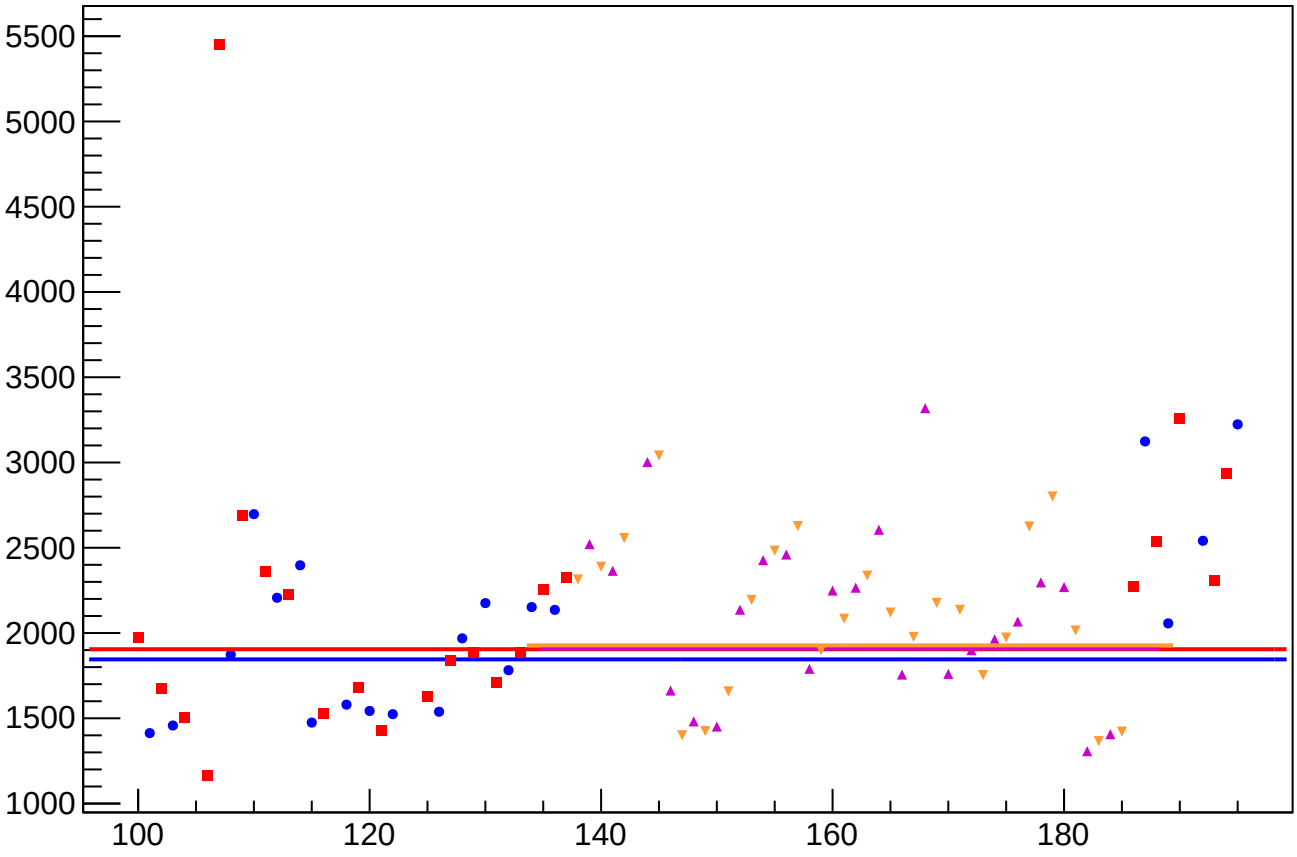
Right Out: 1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -348.251+/-368.696 χ^2/NDF: 53.1/43

All: 44.444+/-260.421 χ^2/NDF: 91.2/89

- sign 435.419+/-367.888 χ^2/NDF: 35.9/45



Right In: 1845.520+/-0.432 χ^2/NDF: 1070825.2/19

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

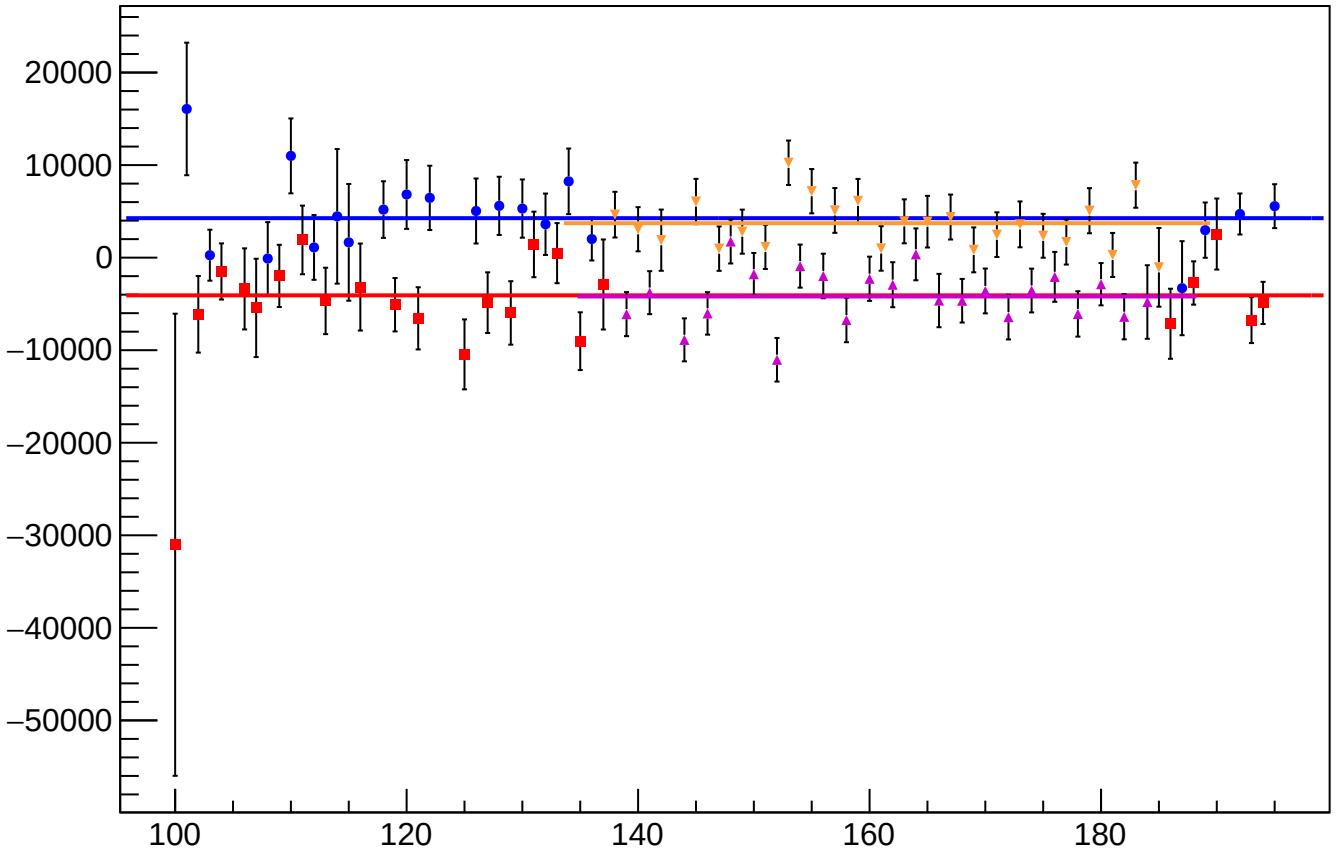
Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1897.745+/-0.261 χ^2/NDF: 2892217.5/43

All: 1902.863+/-0.184 χ^2/NDF: 6202757.3/89

- sign 1907.959+/-0.260 χ^2/NDF: 3309770.7/45



Right In: 4264.801+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

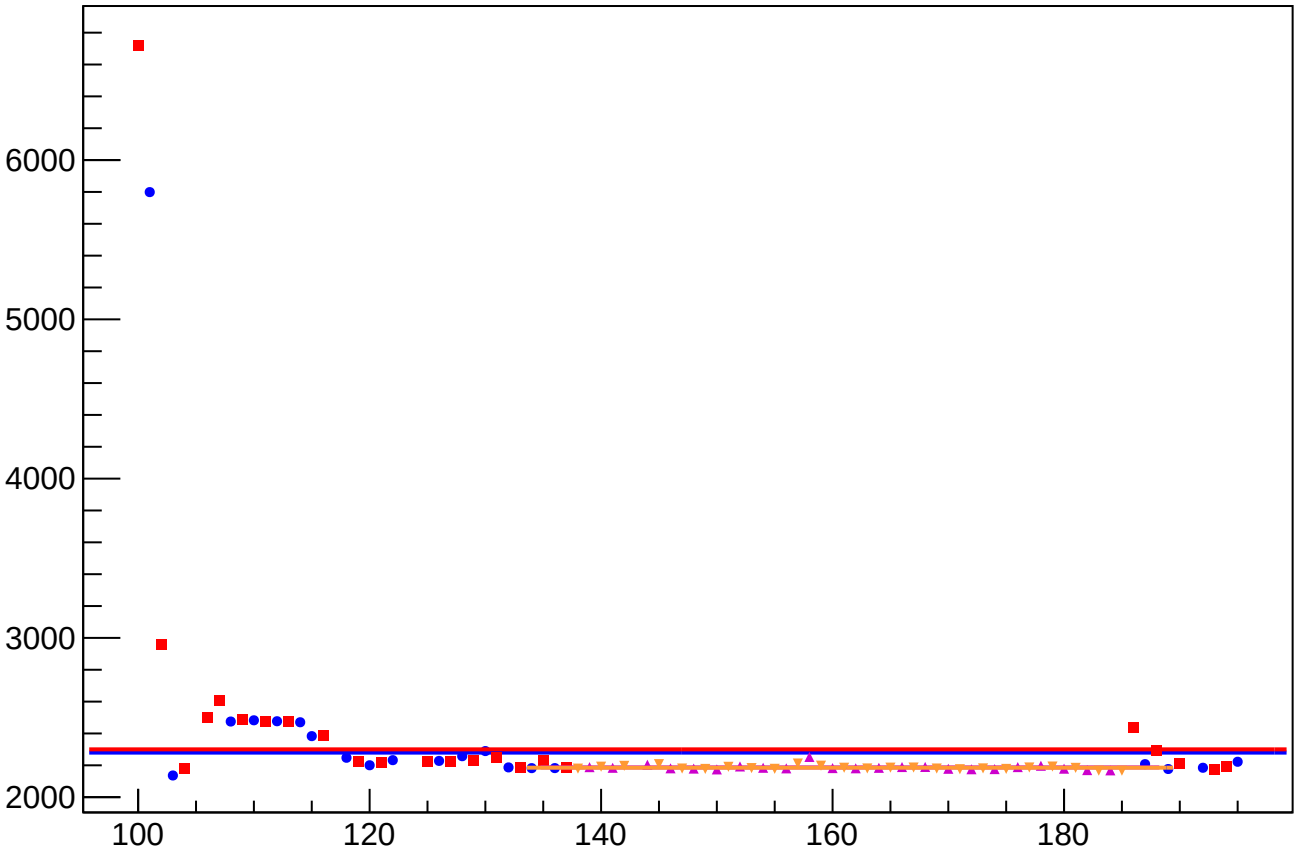
Right Out: -4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3897.179+/-417.922 χ^2/NDF: 41.9/43

All: -164.537+/-294.198 χ^2/NDF: 282.7/89

- sign -4154.622+/-414.220 χ^2/NDF: 53.5/45



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.5/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

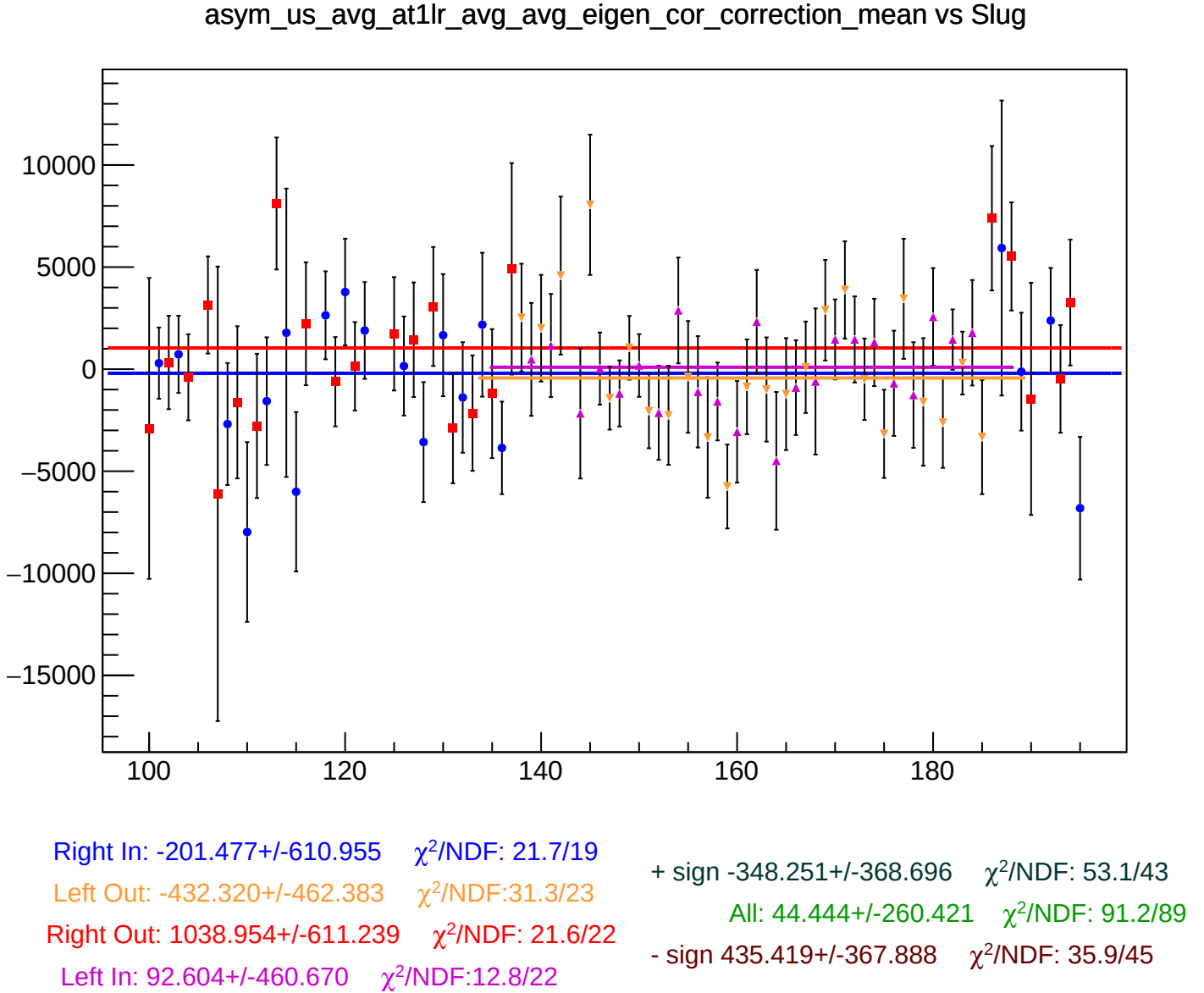
Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.509+/-0.296 χ^2/NDF: 546136.0/43

All: 2220.568+/-0.208 χ^2/NDF: 750042.5/89

- sign 2225.537+/-0.293 χ^2/NDF: 203325.7/45


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
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0
−5000
−10000
−15000
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120
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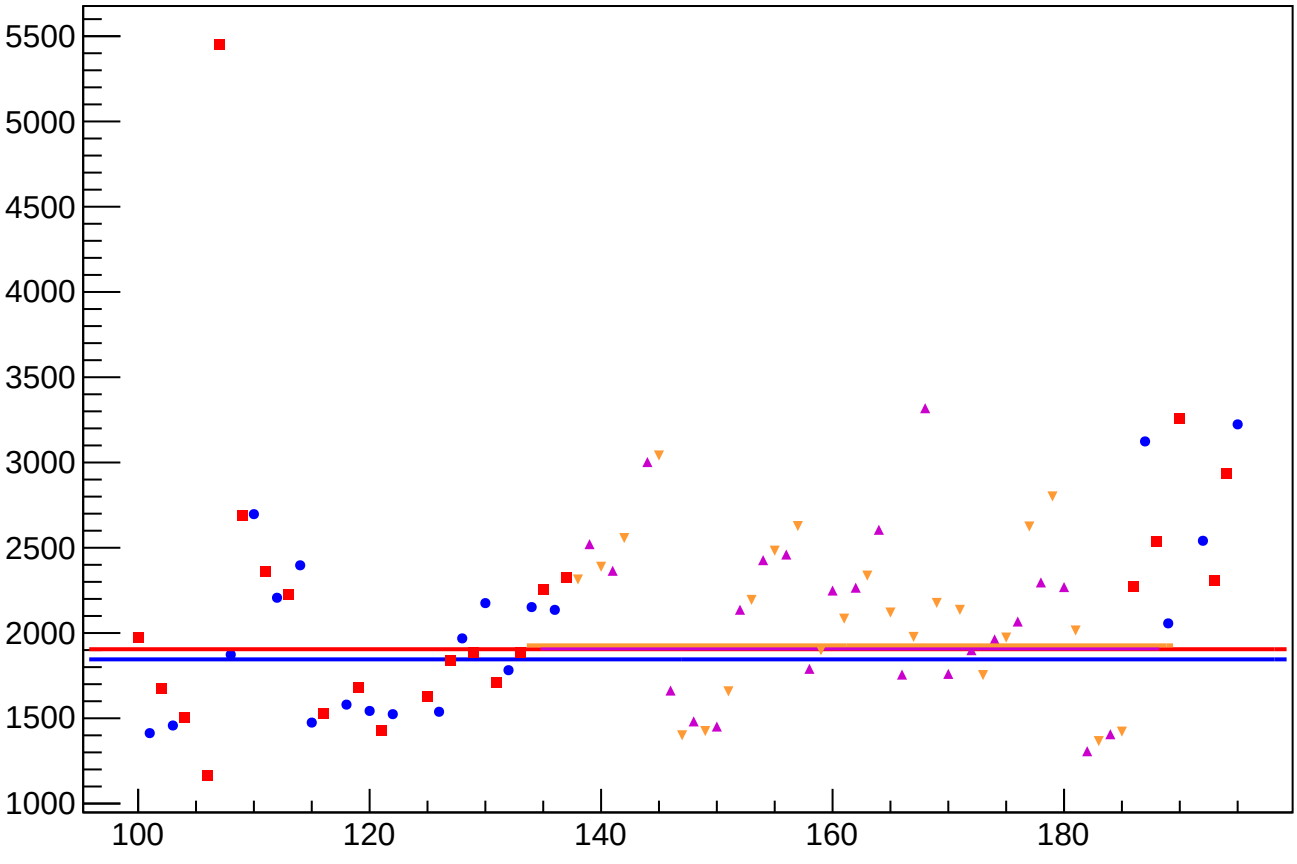
160
180
Right In: -201.477+/-610.955 χ²/NDF: 21.7/19
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 1038.954+/-611.239 χ²/NDF: 21.6/22
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -348.251+/-368.696 χ²/NDF: 53.1/43
All: 44.444+/-260.421 χ²/NDF: 91.2/89
- sign 435.419+/-367.888 χ²/NDF: 35.9/45



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: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

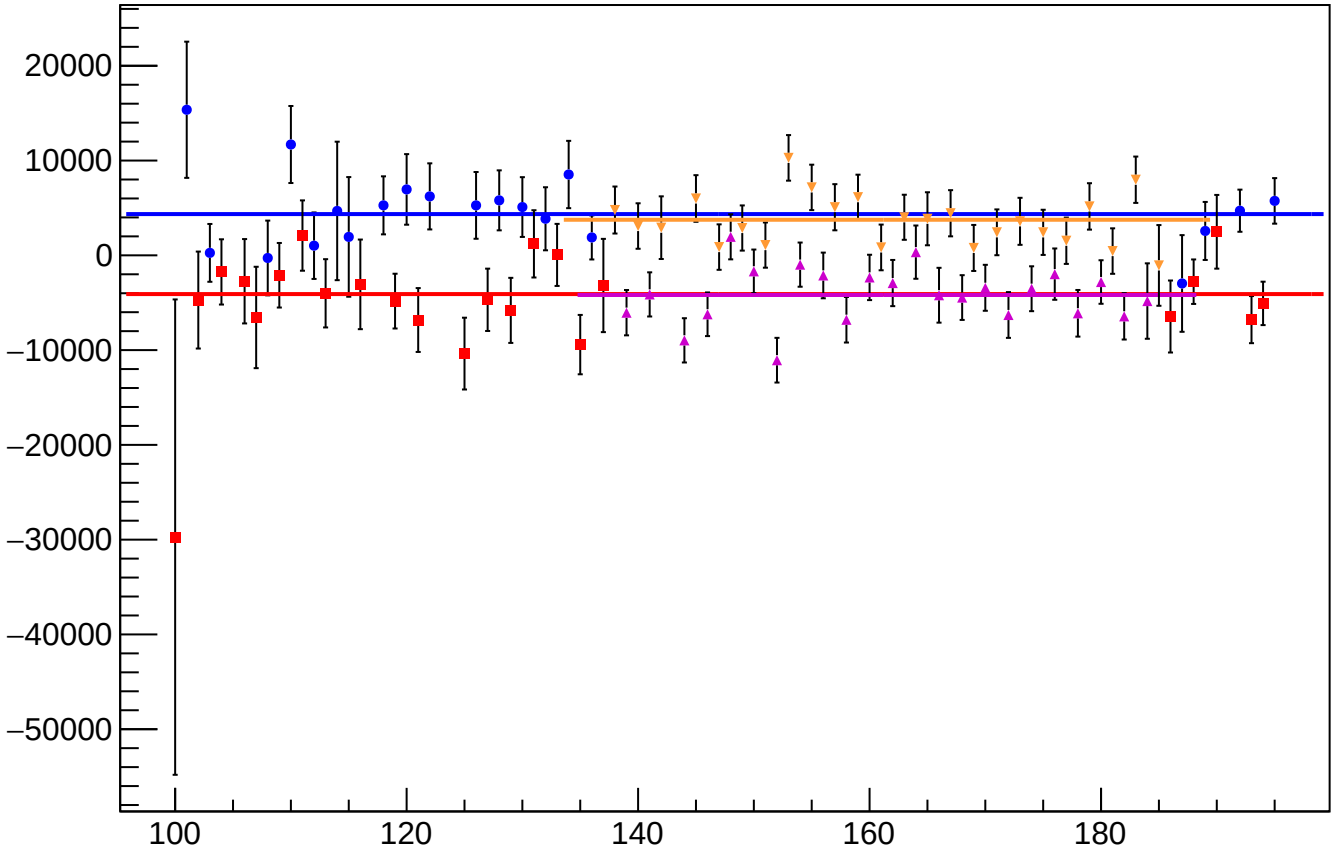
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1897.745+/-0.261 χ^2/NDF: 2892217.5/43

All: 1902.863+/-0.184 χ^2/NDF: 6202757.3/89

- sign 1907.959+/-0.260 χ^2/NDF: 3309770.7/45

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



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: -4088.093+/-719.669 χ^2/NDF: 20.4/22

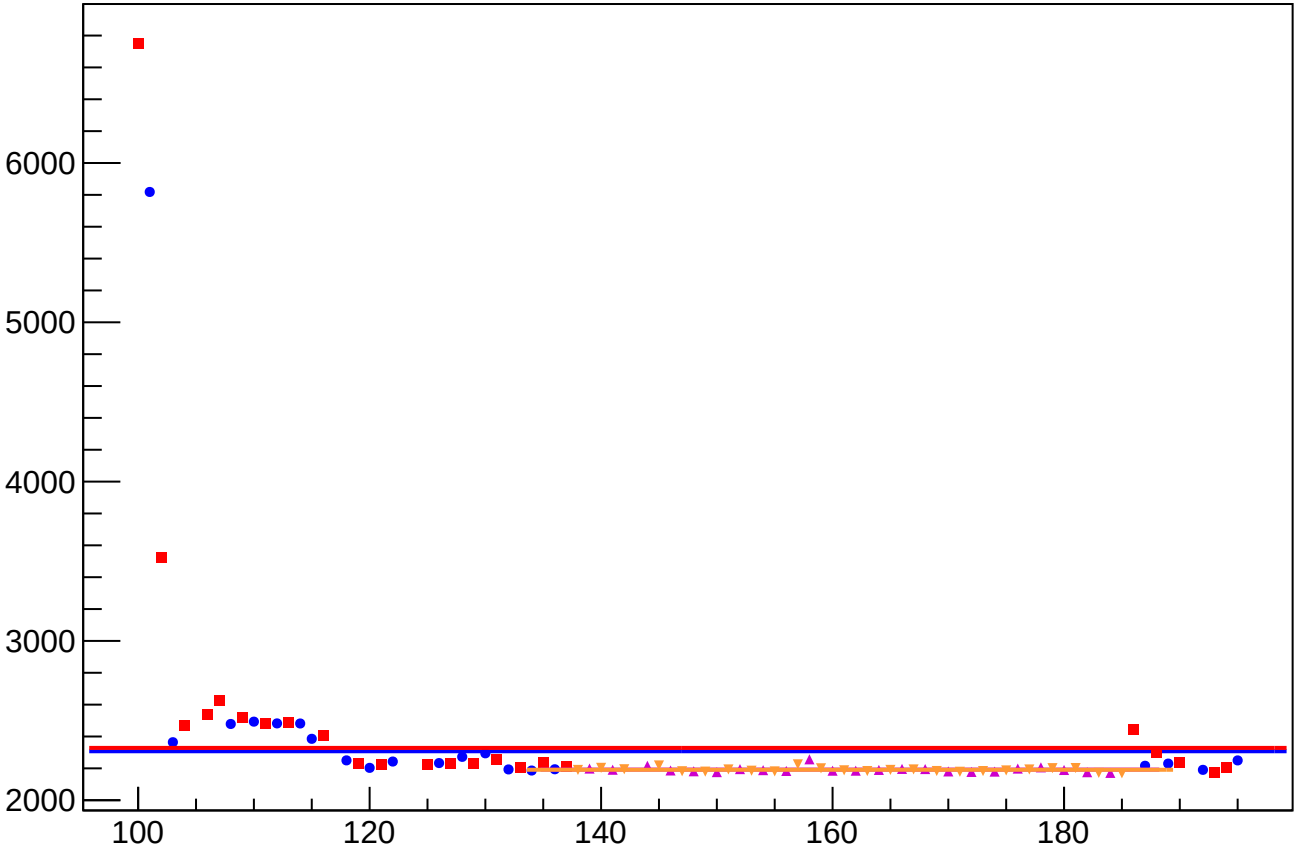
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3943.691+/-420.306 χ^2/NDF: 42.4/43

All: -134.928+/-296.068 χ^2/NDF: 282.4/89

- sign -4151.923+/-417.119 χ^2/NDF: 53.1/45

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

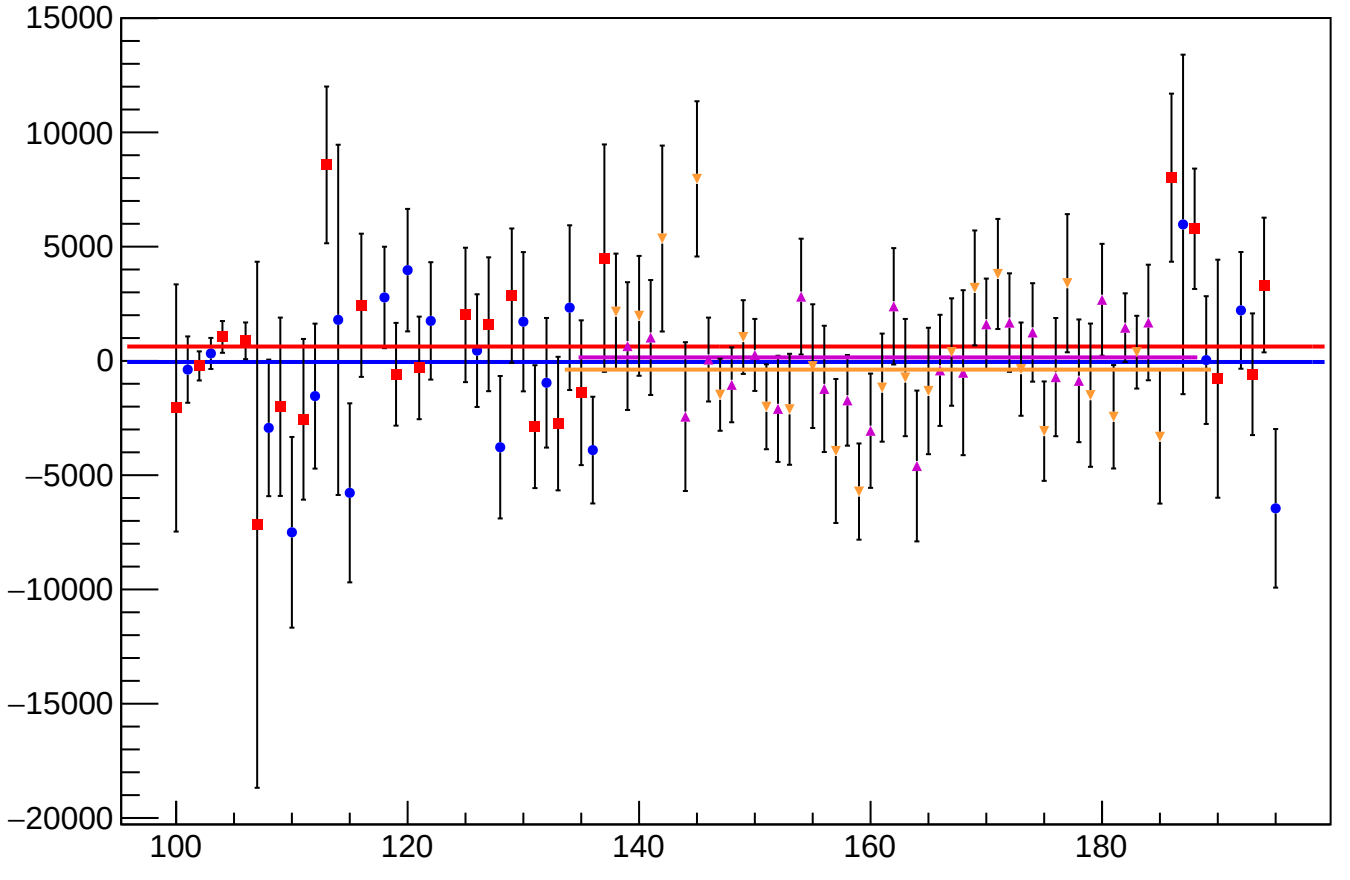
Right Out: 2328.437+/-0.509 χ^2/NDF: 231086.0/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.975+/-0.297 χ^2/NDF: 548976.4/43

All: 2233.009+/-0.209 χ^2/NDF: 830508.8/89

- sign 2237.967+/-0.295 χ^2/NDF: 280962.9/45



Right In: -46.857+/-464.842 χ^2/NDF: 21.2/19

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

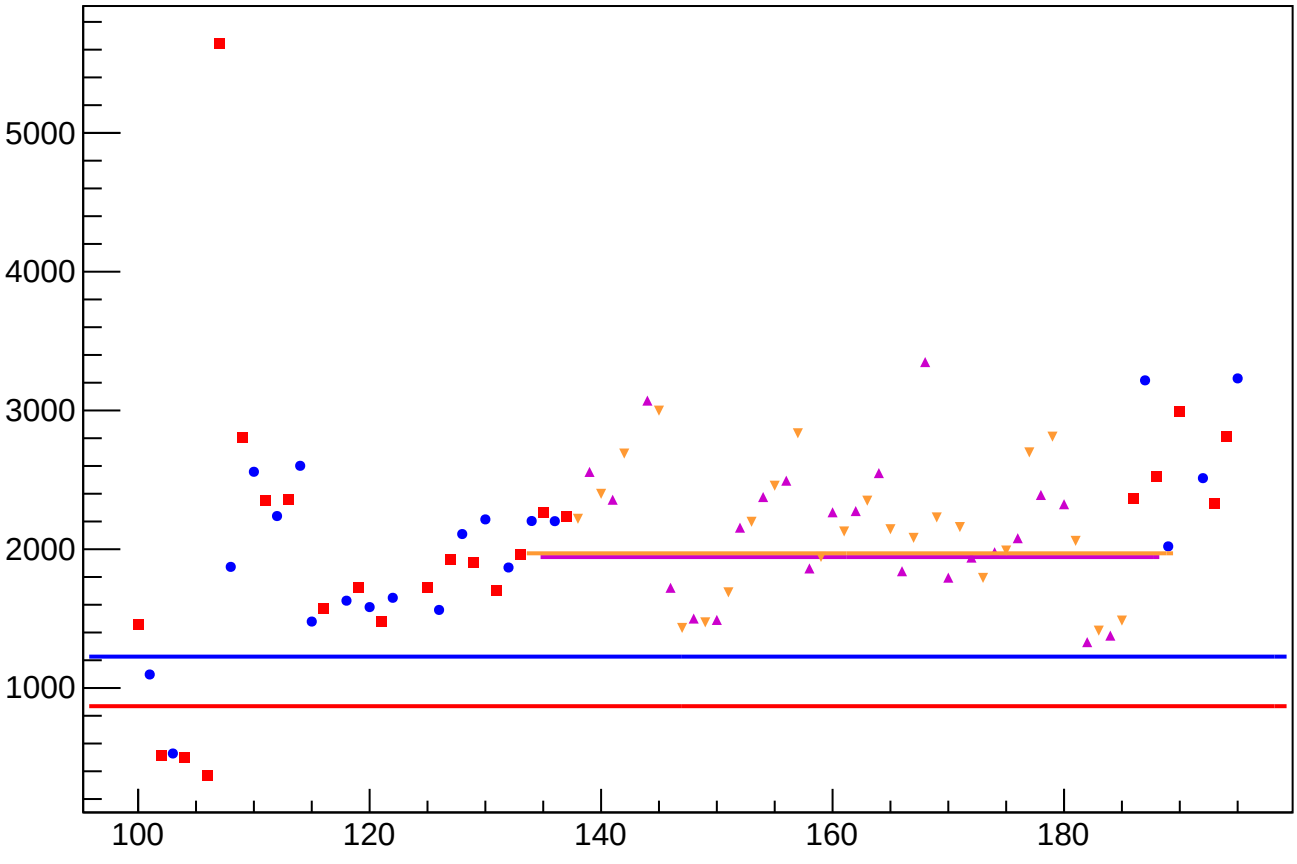
Right Out: 629.211+/-350.969 χ^2/NDF: 24.3/22

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -211.307+/-331.015 χ^2/NDF: 52.2/43

All: 178.129+/-214.125 χ^2/NDF: 92.4/89

- sign 458.338+/-280.784 χ^2/NDF: 37.8/45



Right In: 1226.241+/-0.329 χ^2/NDF: 5344796.3/19

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

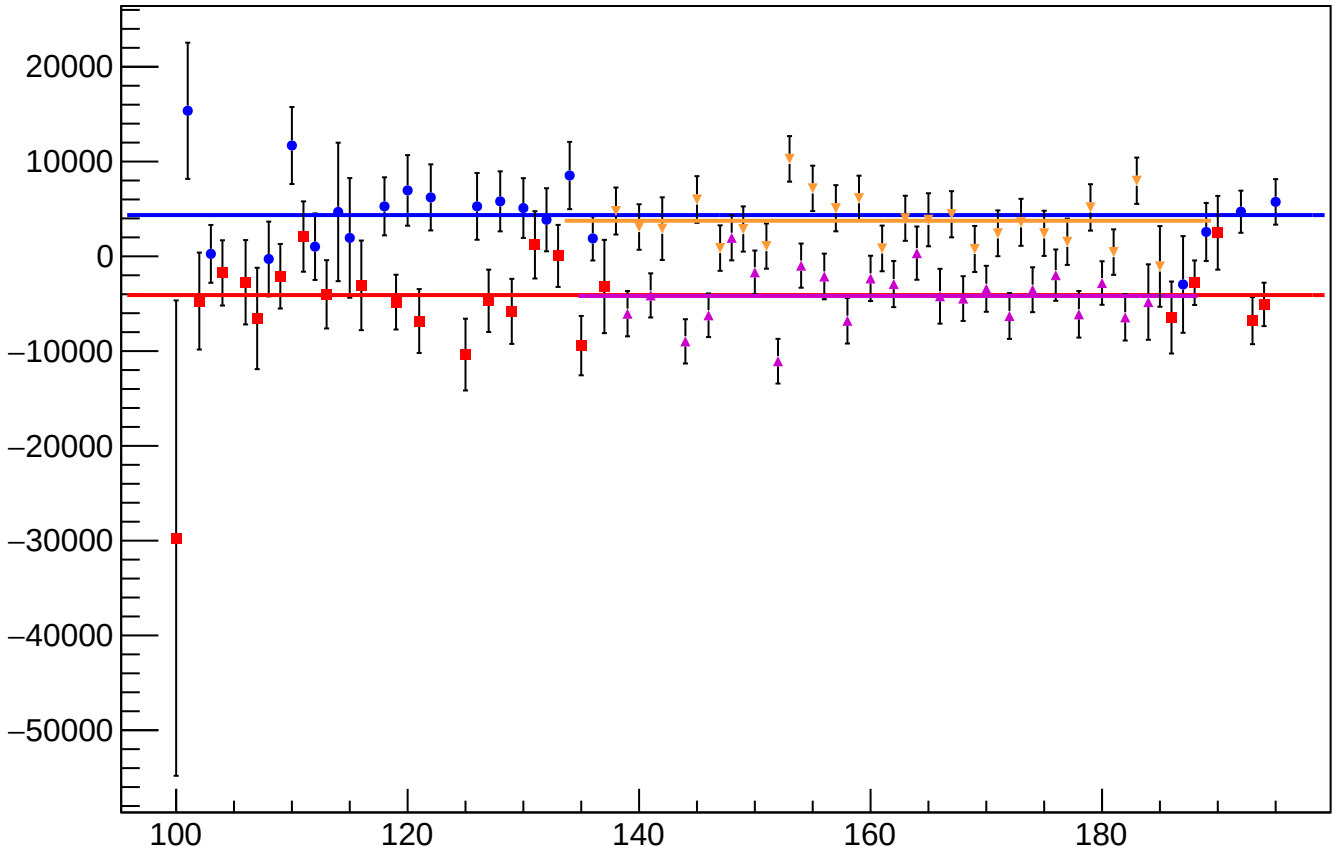
Right Out: 869.016+/-0.248 χ^2/NDF: 8715122.0/22

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1593.170+/-0.234 χ^2/NDF: 9569683.9/43

All: 1396.990+/-0.151 χ^2/NDF: 28124867.4/8

- sign 1255.833+/-0.199 χ^2/NDF: 17347219.0/45



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: -4088.088+/-719.669 χ^2/NDF: 20.4/22

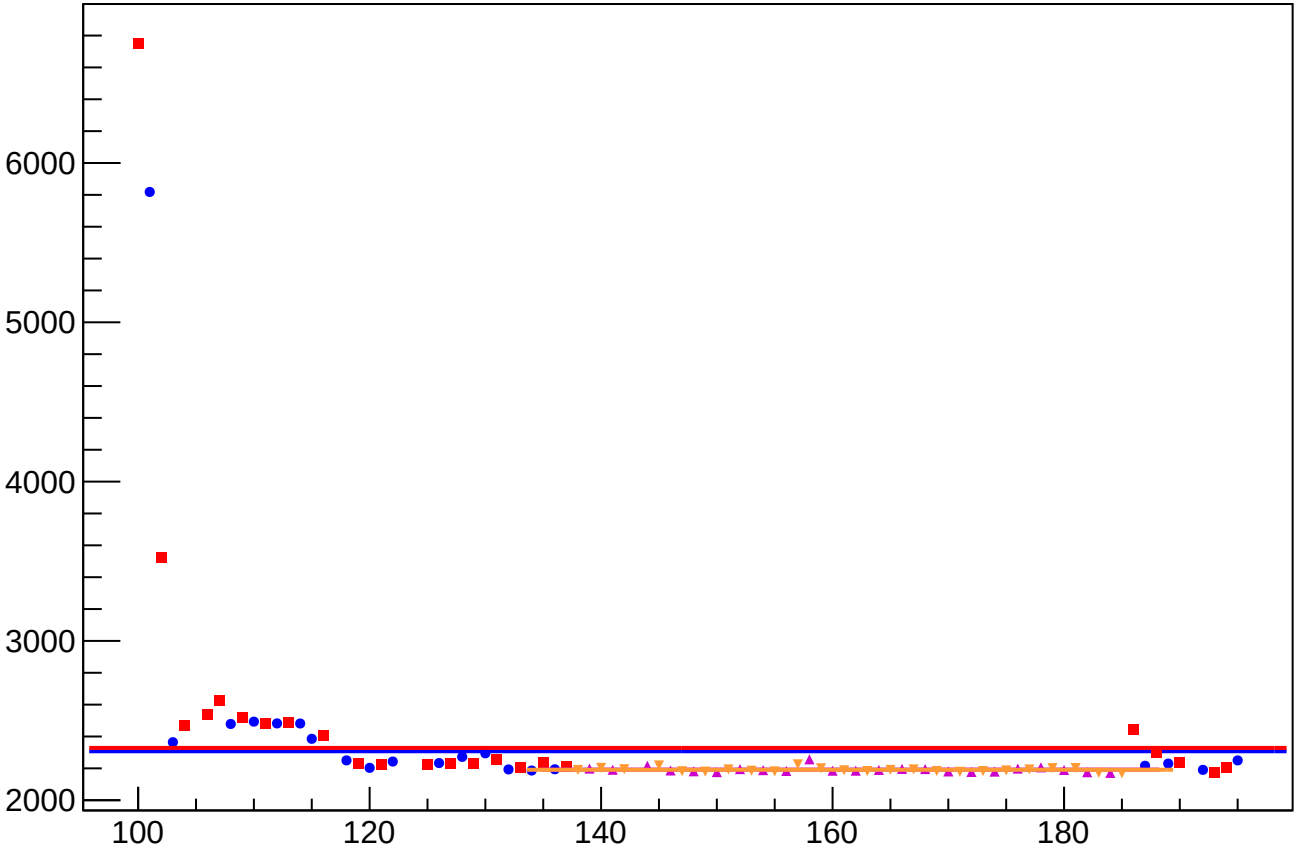
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3943.689+/-420.306 χ^2/NDF: 42.4/43

All: -134.929+/-296.068 χ^2/NDF: 282.4/89

- sign -4151.922+/-417.119 χ^2/NDF: 53.1/45

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

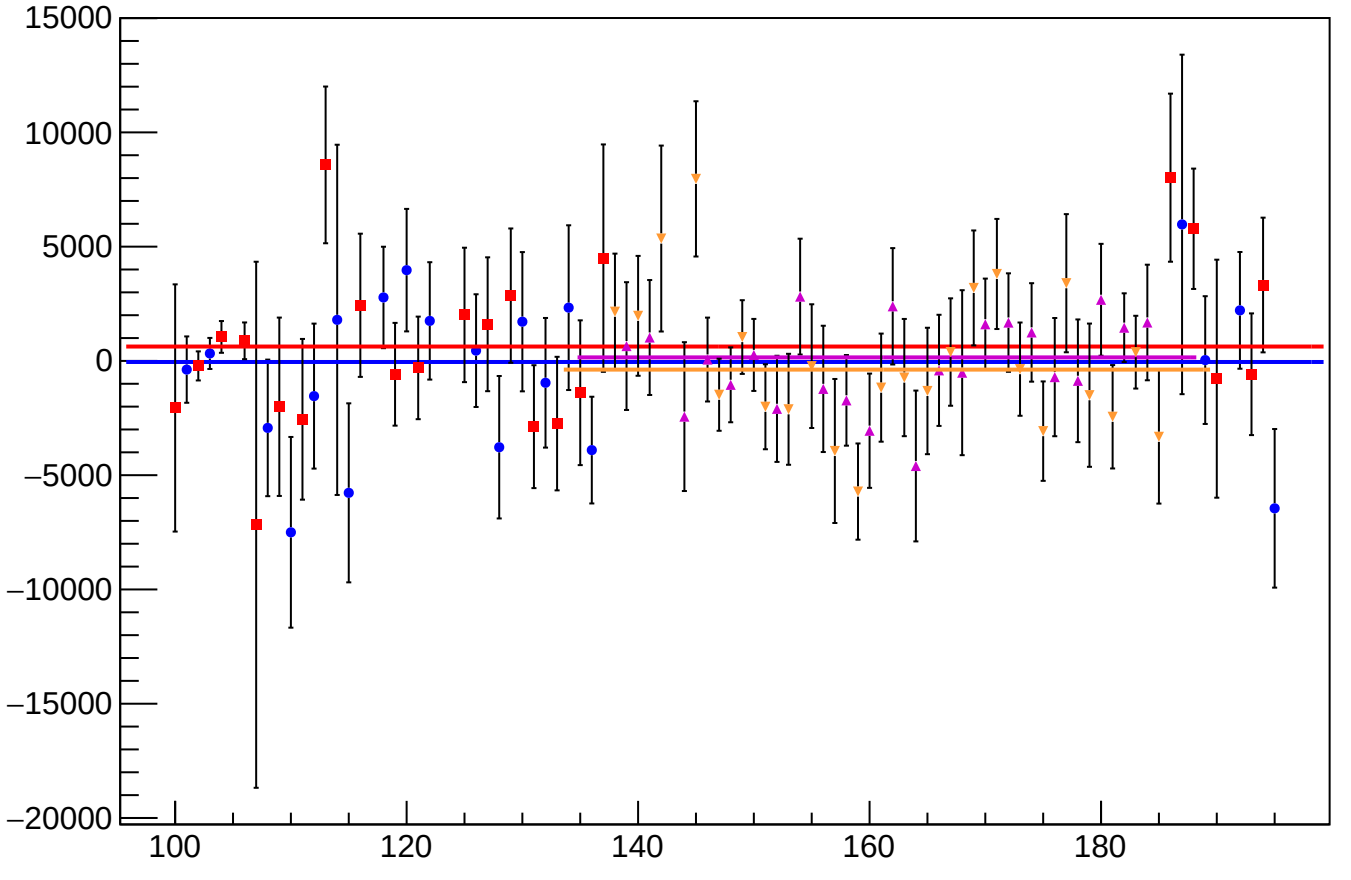
Right Out: 2328.437+/-0.509 χ^2/NDF: 231084.8/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

\+ sign 2227.975+/-0.297 χ^2/NDF: 548976.1/43

All: 2233.009+/-0.209 χ^2/NDF: 830507.1/89

\- sign 2237.967+/-0.295 χ^2/NDF: 280961.5/45



Right In: -46.863+/-464.845 χ^2/NDF: 21.2/19

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

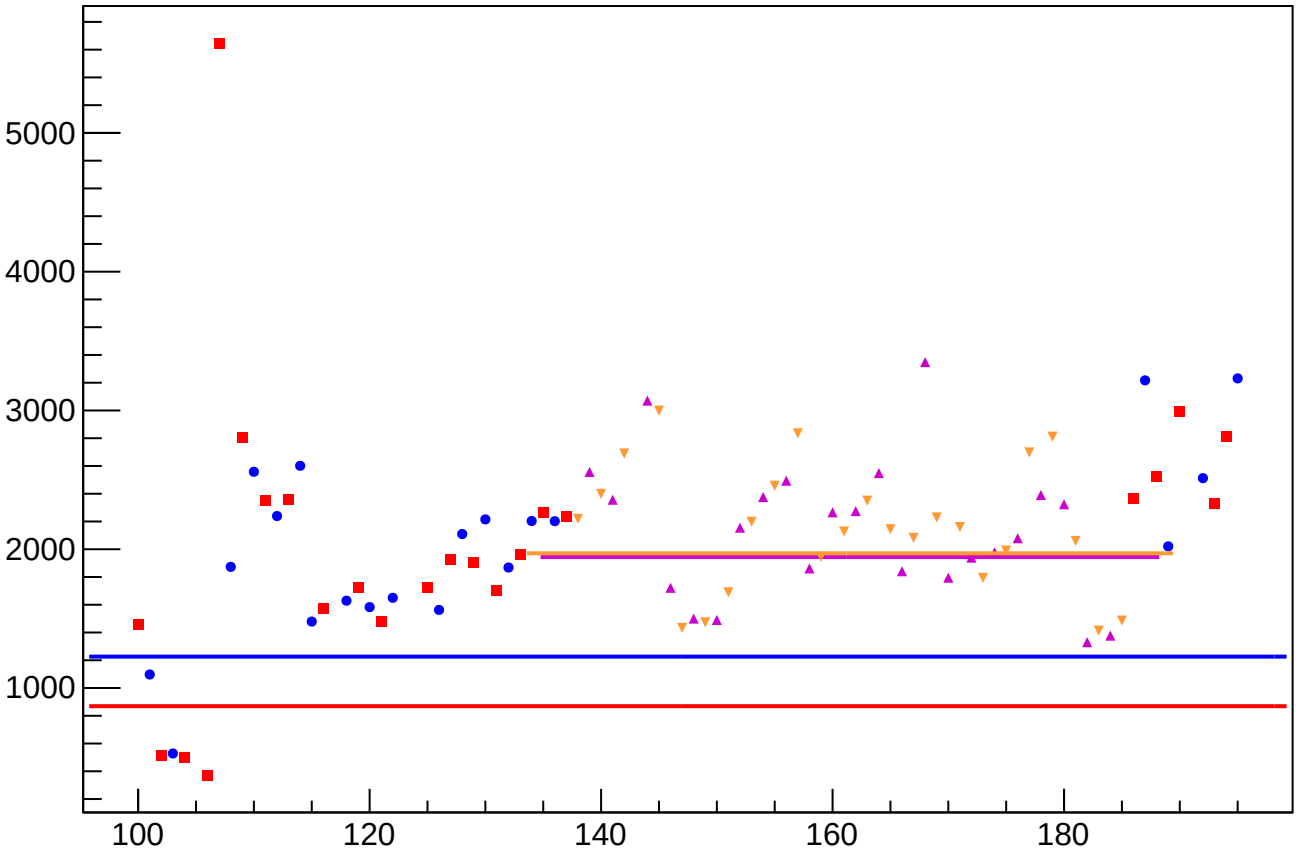
Right Out: 629.218+/-350.973 χ^2/NDF: 24.3/22

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -211.313+/-331.016 χ^2/NDF: 52.2/43

All: 178.126+/-214.126 χ^2/NDF: 92.4/89

- sign 458.341+/-280.786 χ^2/NDF: 37.8/45



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: 869.033+/-0.248 χ^2/NDF: 8714949.3/22

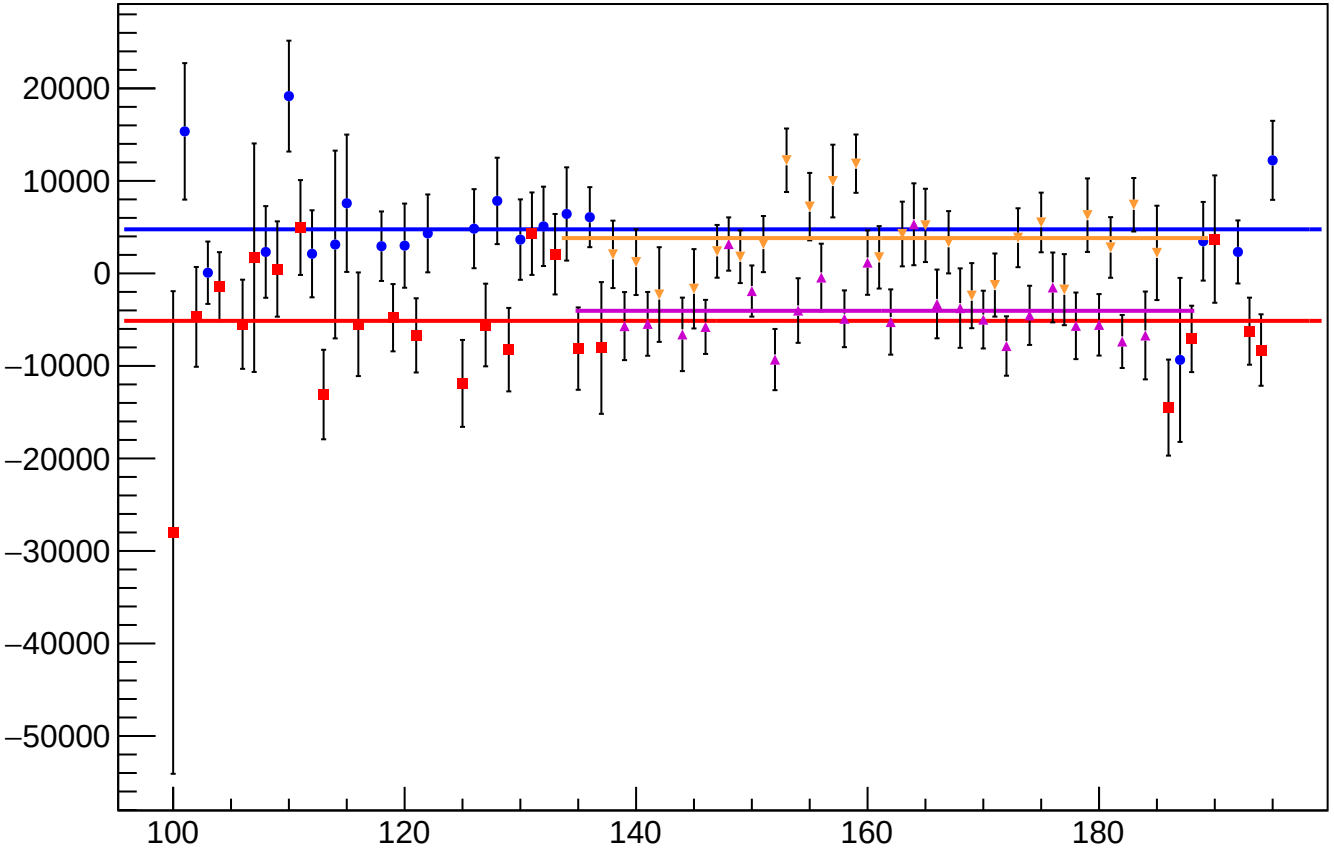
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1593.179+/-0.234 χ^2/NDF: 9569527.1/43

All: 1397.004+/-0.151 χ^2/NDF: 28124214.5/8

- sign 1255.850+/-0.199 χ^2/NDF: 17346802.0/45

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: -5127.180+/-979.446 χ^2/NDF: 26.4/22

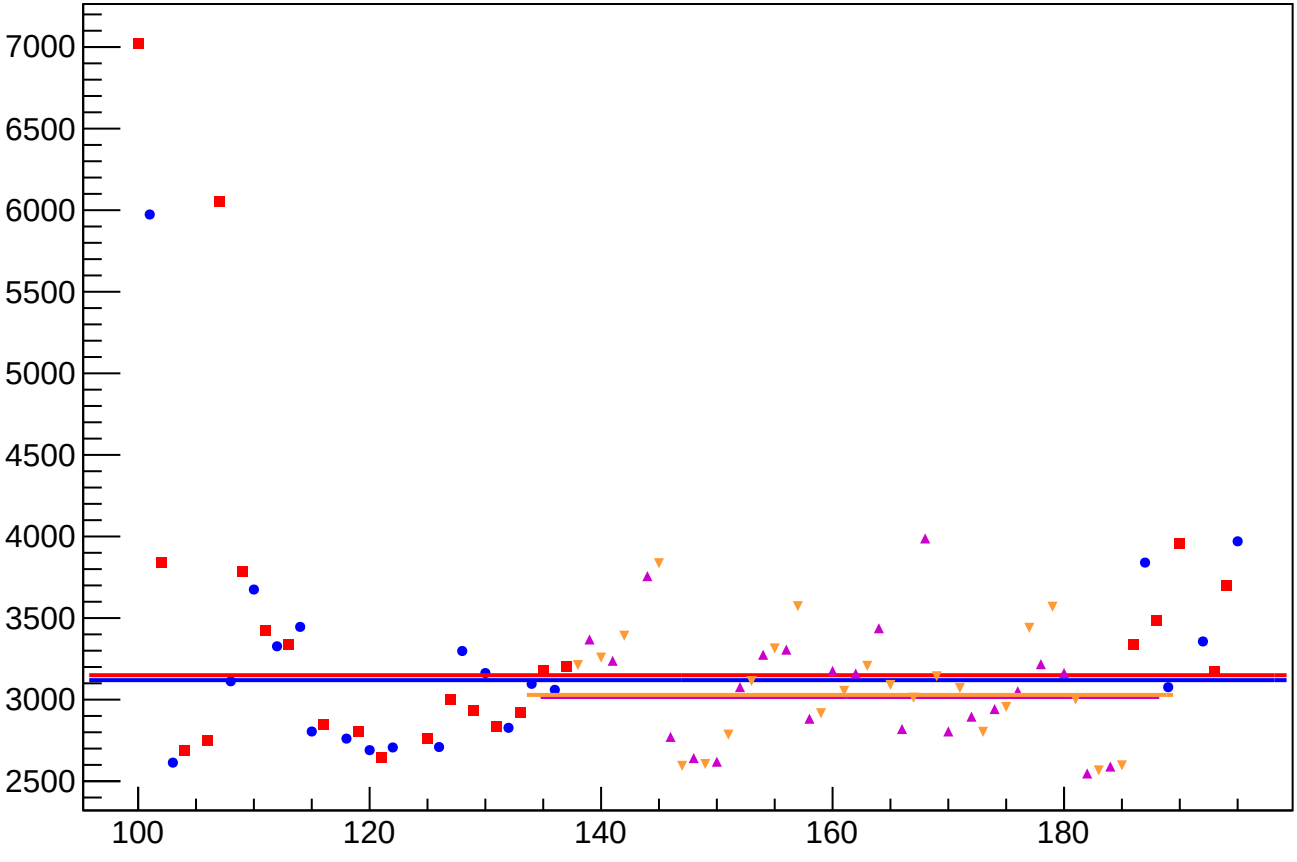
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4128.923+/-580.433 χ^2/NDF: 49.3/43

All: -186.405+/-408.359 χ^2/NDF: 208.4/89

- sign -4415.792+/-574.624 χ^2/NDF: 49.7/45

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

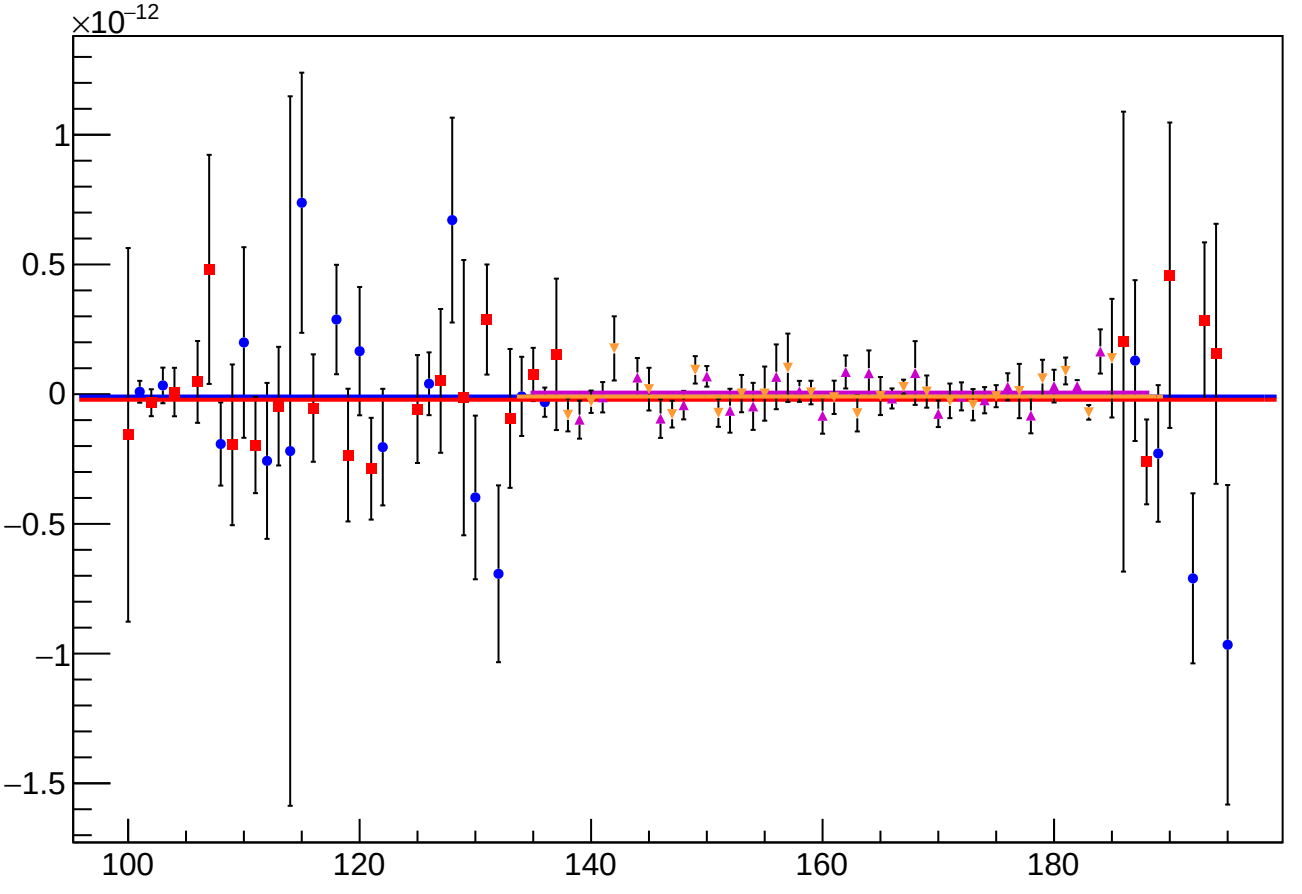
Right Out: 3149.717+/-0.693 χ^2/NDF: 450856.5/22

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3058.705+/-0.410 χ^2/NDF: 968247.1/43

All: 3060.465+/-0.289 χ^2/NDF: 1883392.3/89

- sign 3062.190+/-0.406 χ^2/NDF: 915108.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

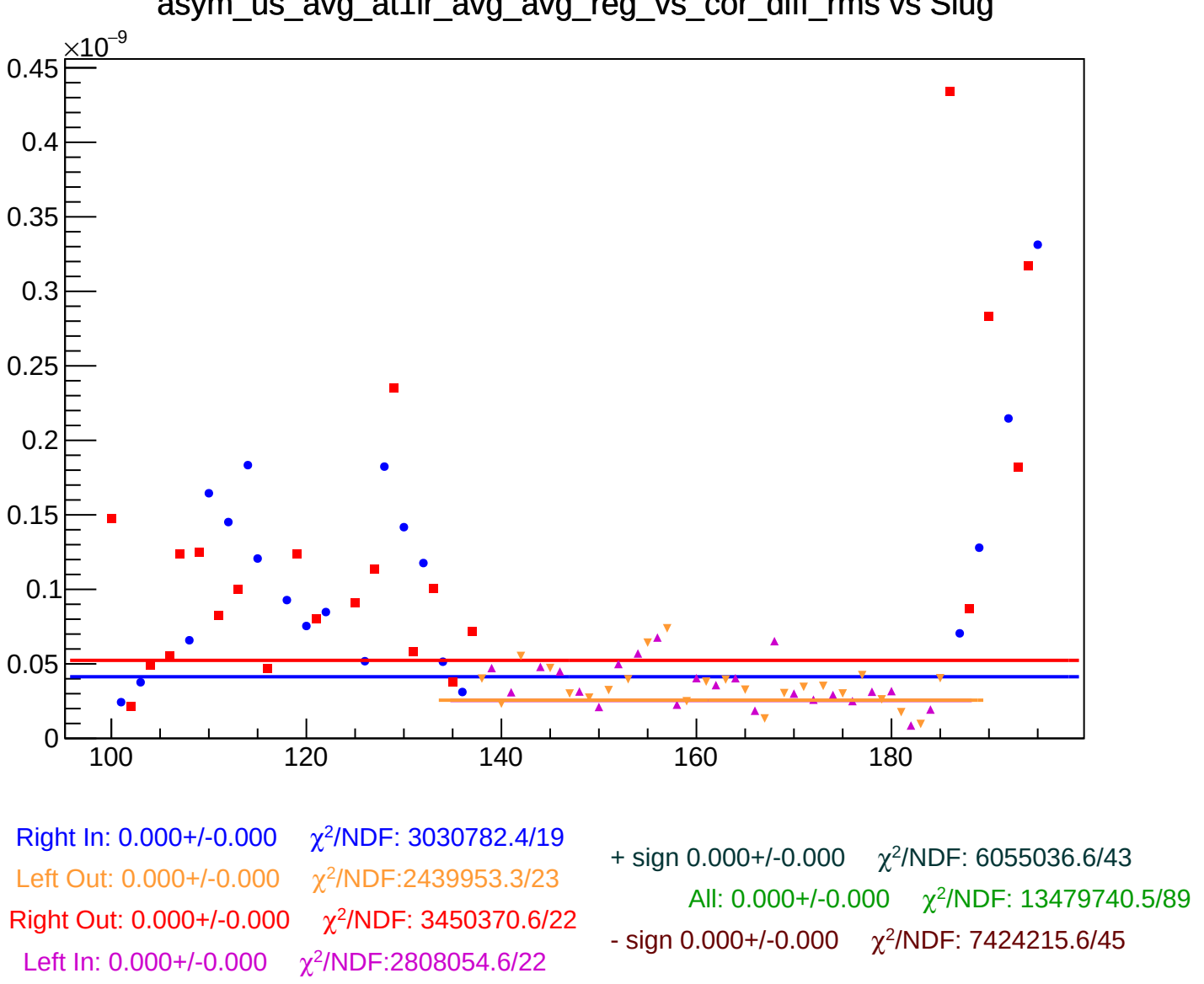
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/22

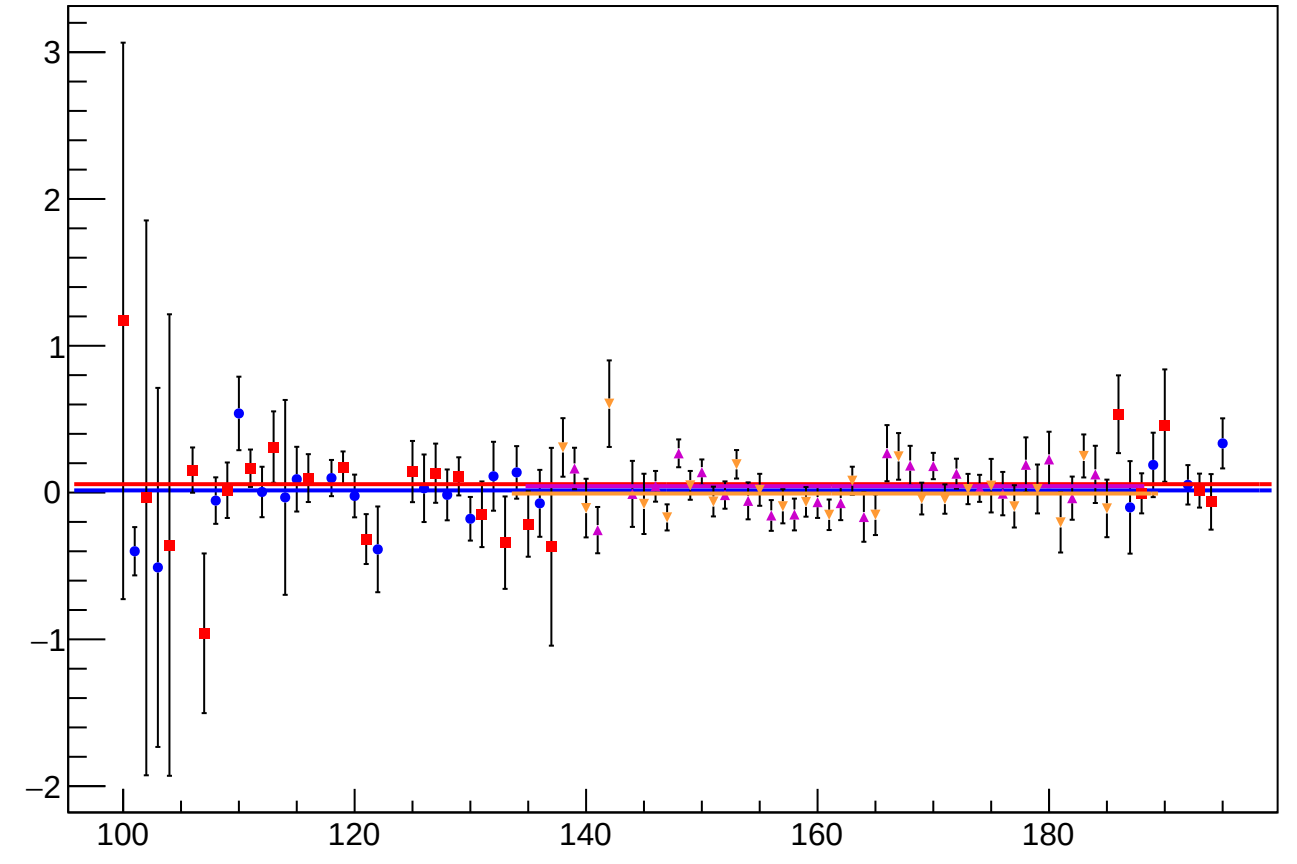
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/43

All: -0.000+/-0.000 χ^2/NDF: 86.8/89

- sign 0.000+/-0.000 χ^2/NDF: 36.9/45


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
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: 3450370.6/22
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: 13479740.5/89
- sign 0.000+/-0.000 χ²/NDF: 7424215.6/45



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

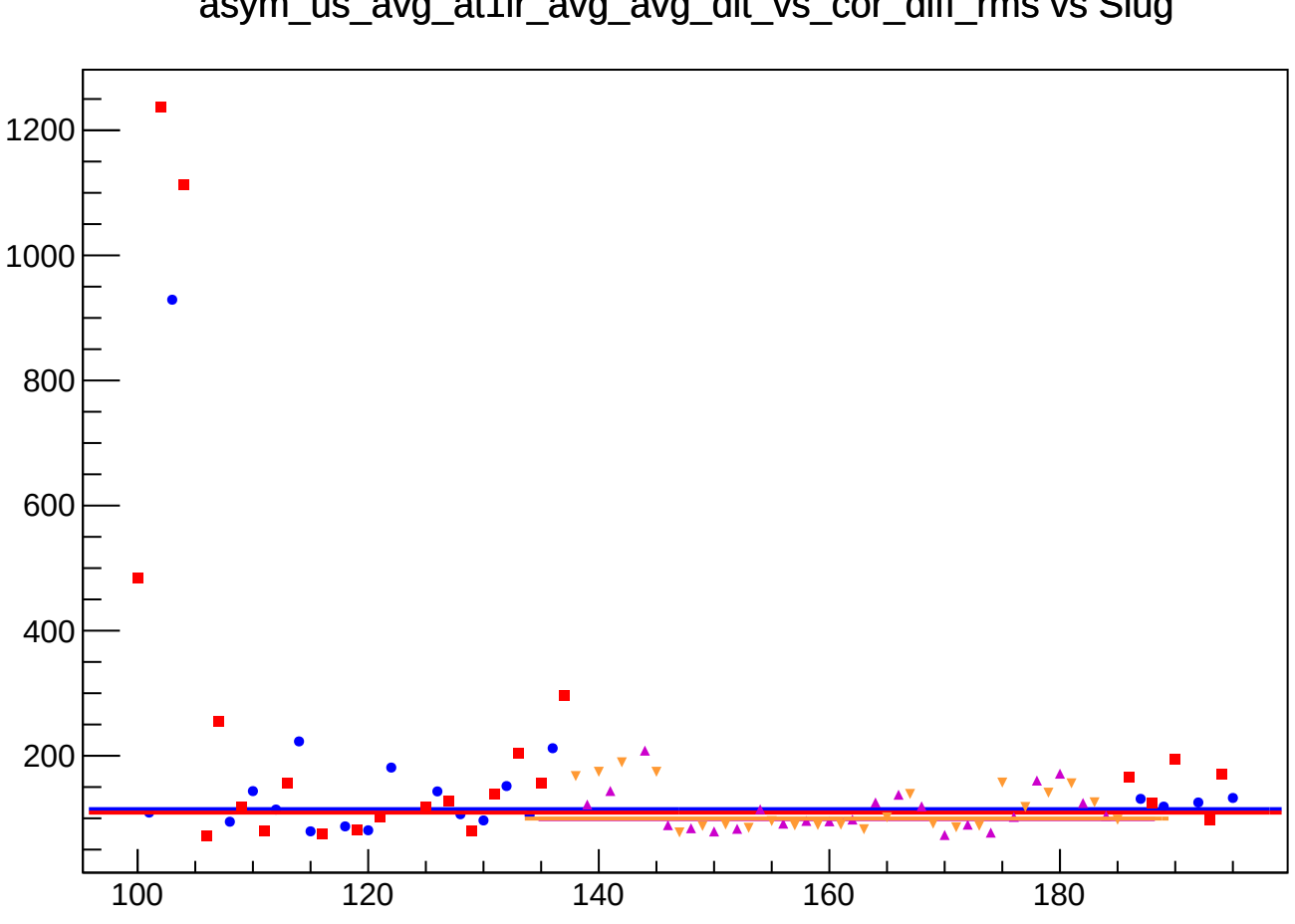
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

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: 103.2/89

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



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: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

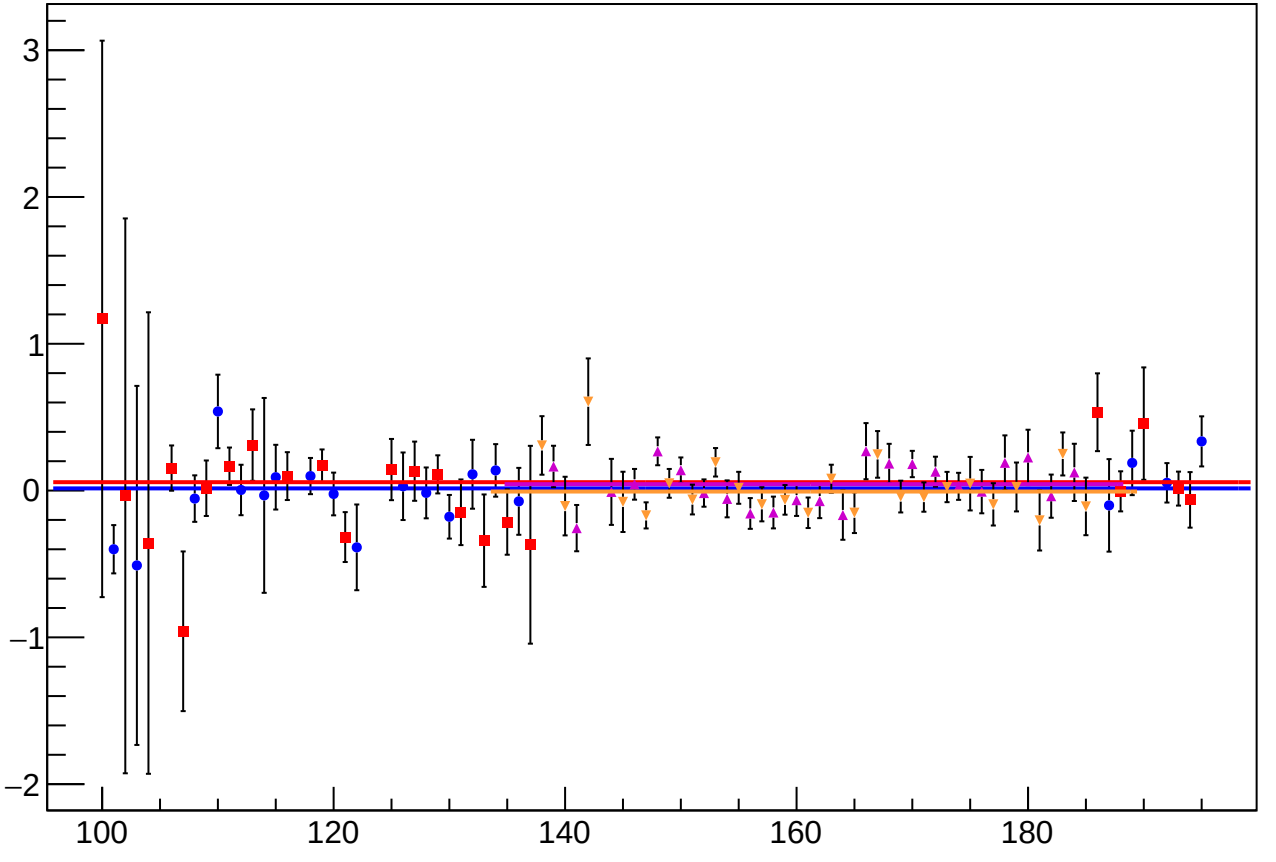
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149062.0/43

All: 102.608+/-0.011 χ^2/NDF: 9570645.3/89

- sign 101.677+/-0.015 χ^2/NDF: 5413621.2/45

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_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

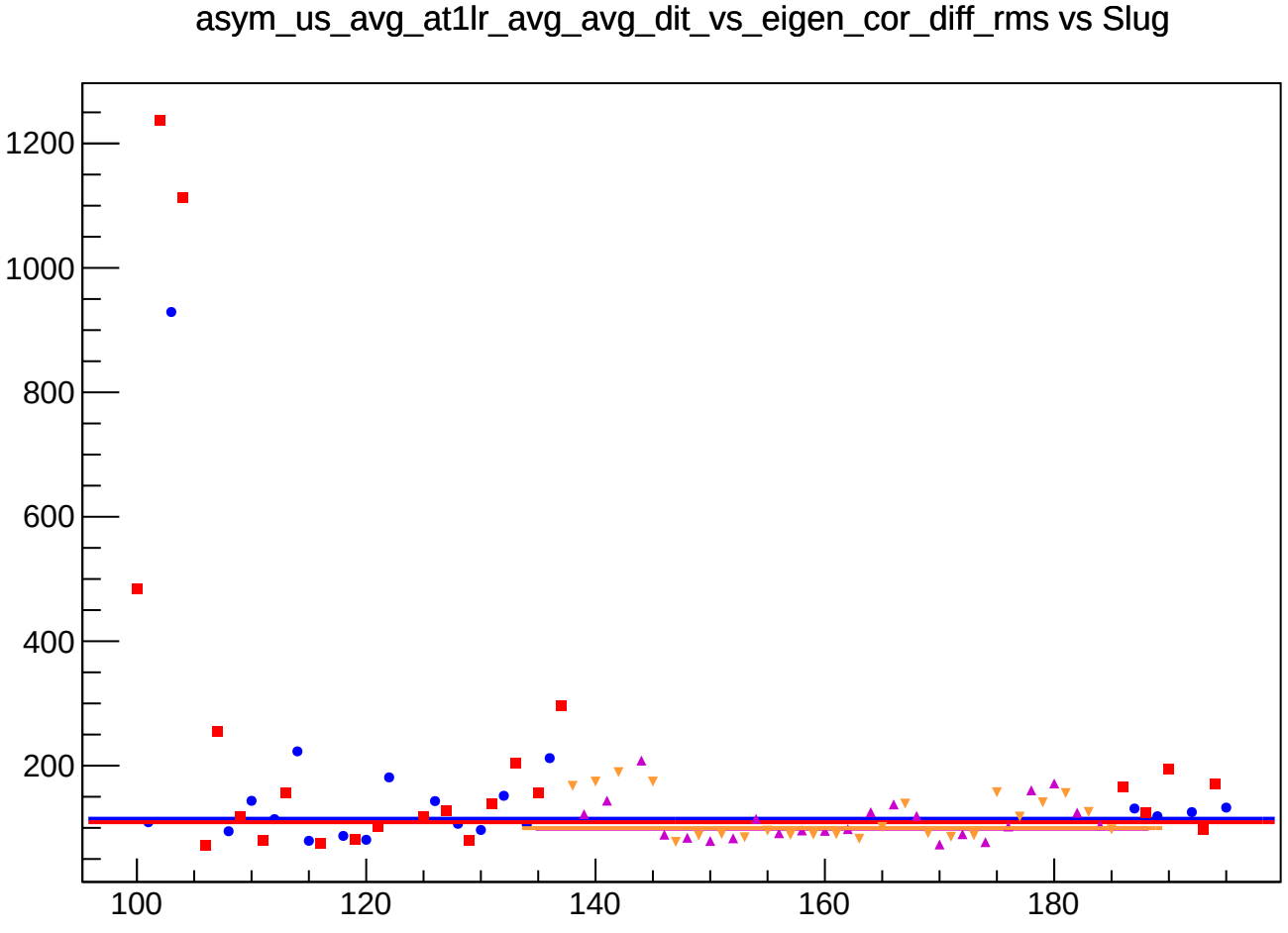
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

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: 103.2/89

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 114.701+/-0.030 χ^2/NDF: 1889531.1/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

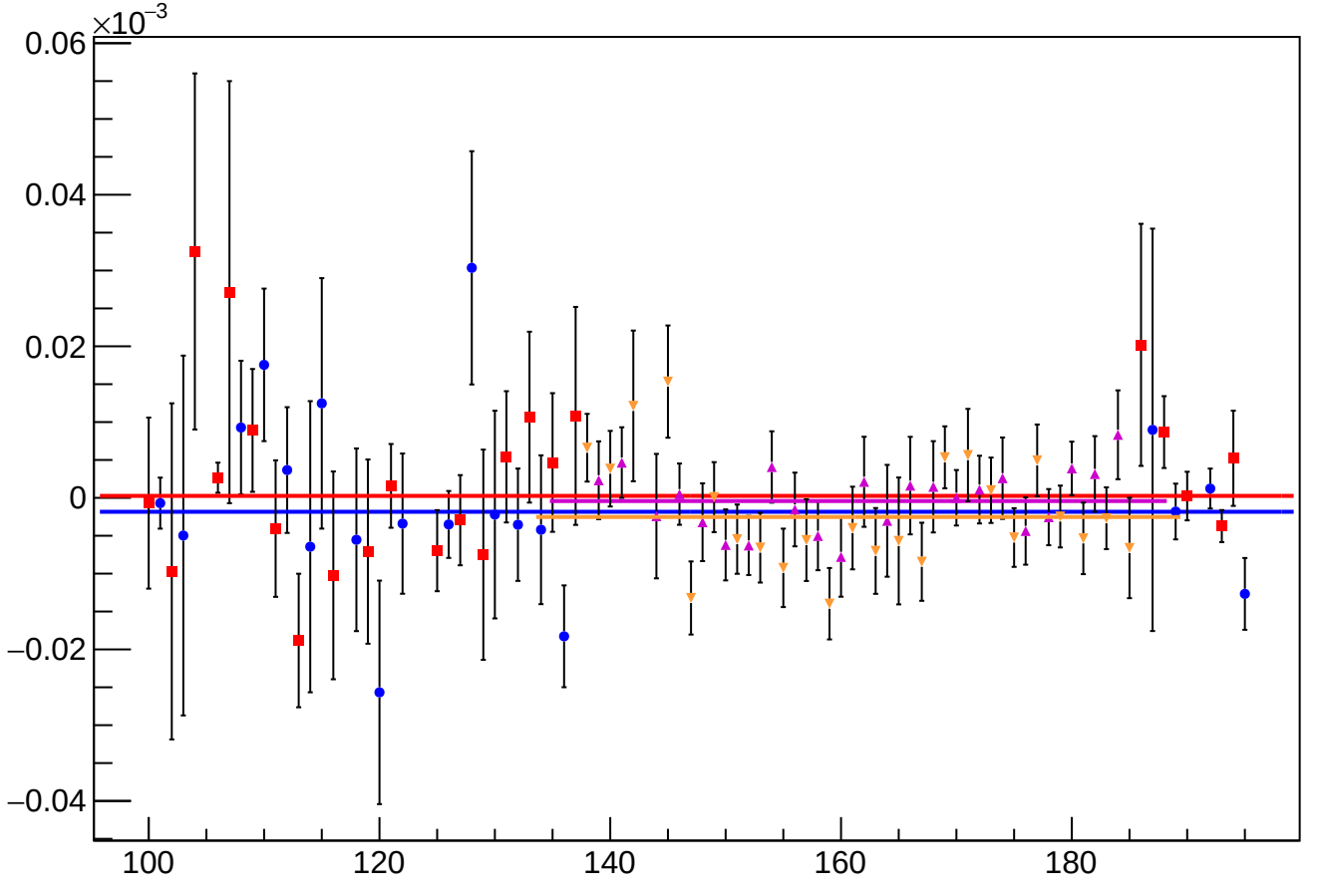
Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149062.0/43

All: 102.608+/-0.011 χ^2/NDF: 9570645.3/89

- sign 101.677+/-0.015 χ^2/NDF: 5413621.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

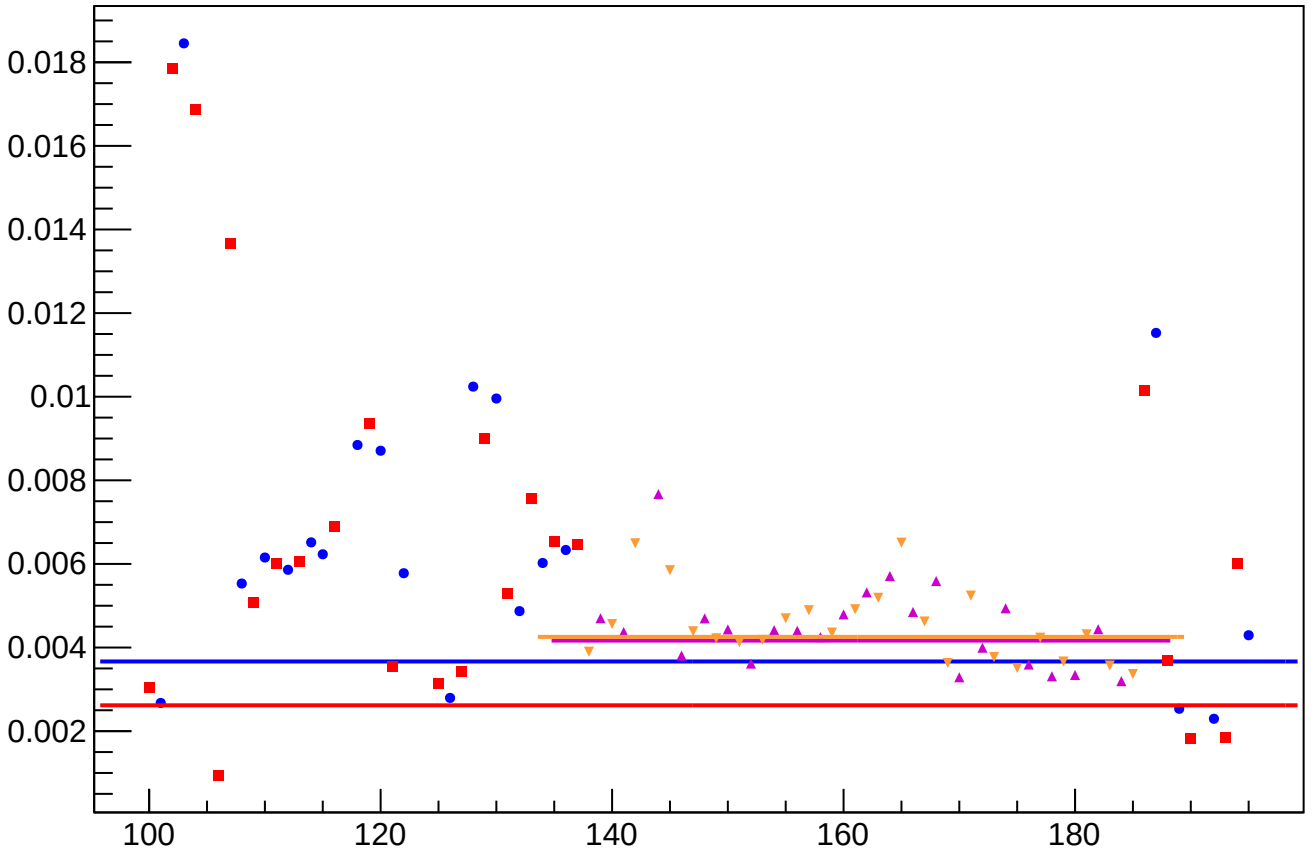
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/22

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: 112.0/89

- sign -0.000+/-0.000 χ^2/NDF: 40.9/45



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: 8147570.8/22

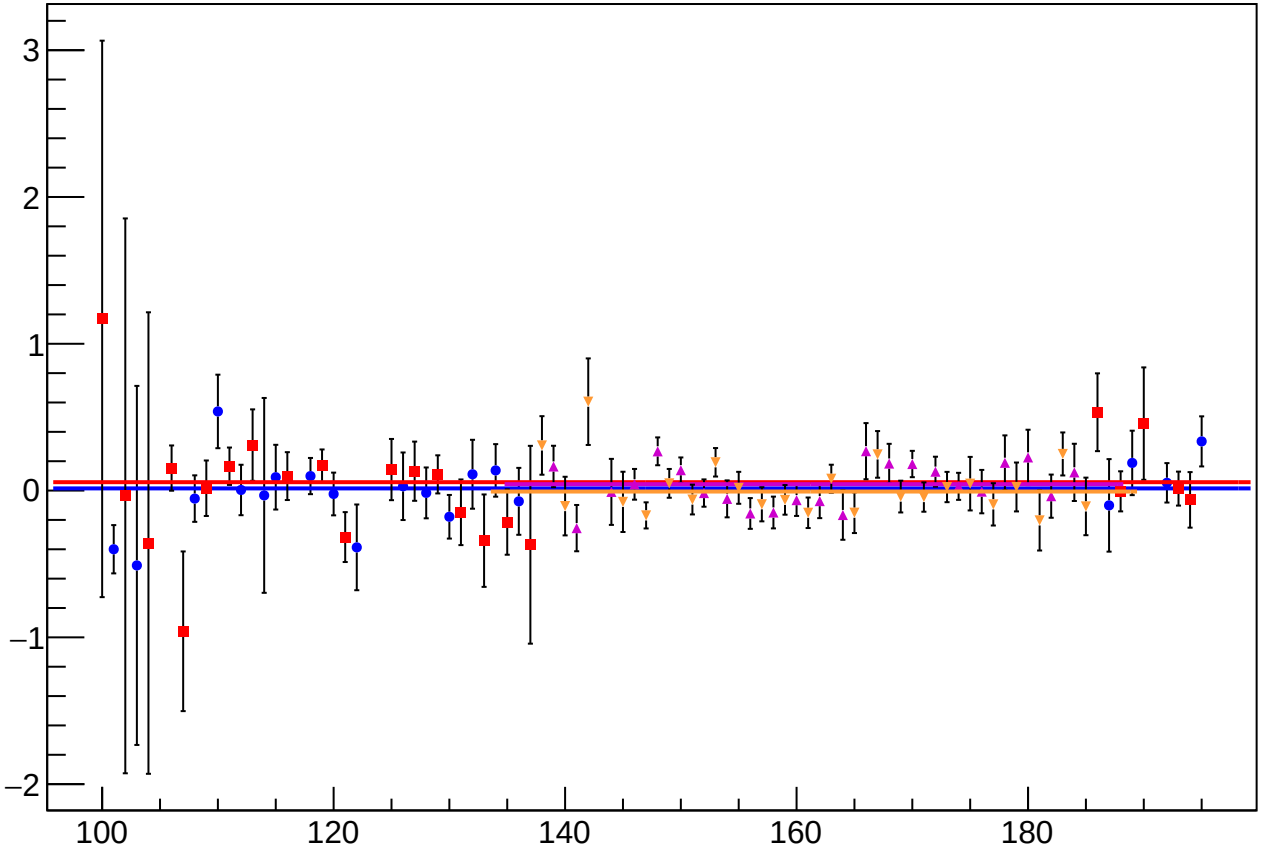
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5458596.0/43

All: 0.004+/-0.000 χ^2/NDF: 17676613.7/89

- sign 0.003+/-0.000 χ^2/NDF: 11639153.7/45

asym_us_avg_at1lr_avg_avg_eigen_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

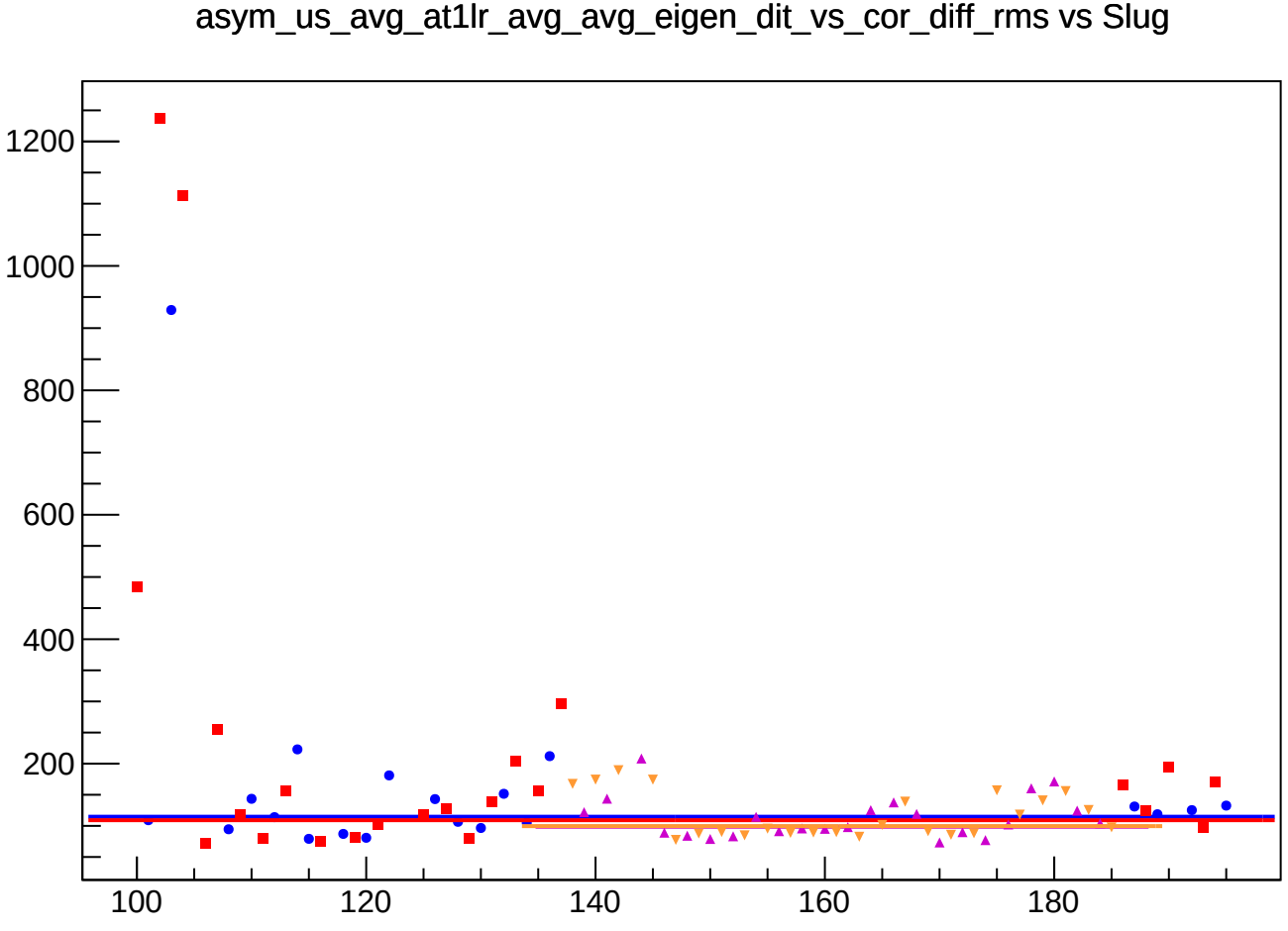
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

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: 103.2/89

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 114.699+/-0.030 χ^2/NDF: 1889596.8/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

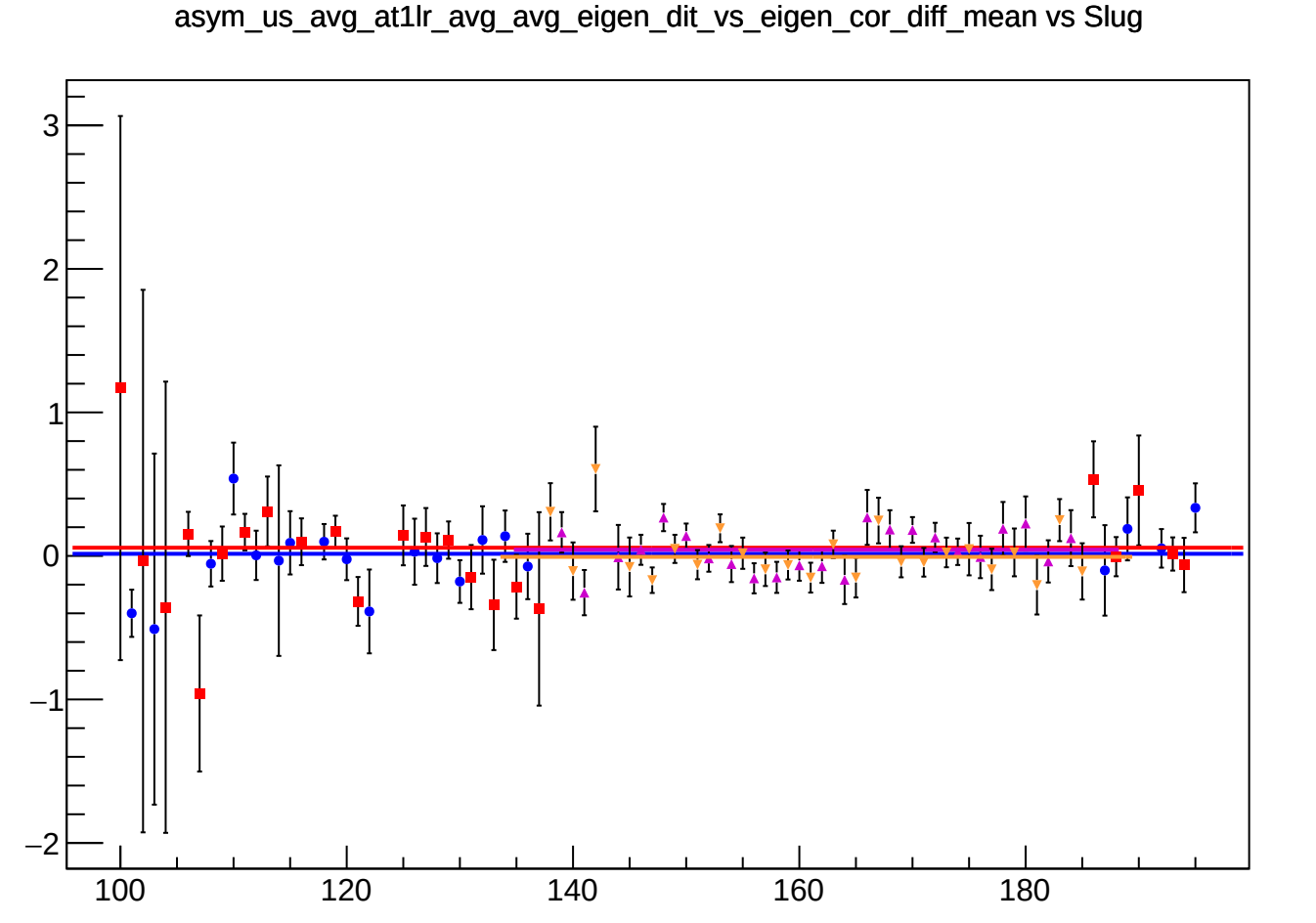
Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149025.2/43

All: 102.608+/-0.011 χ^2/NDF: 9570573.4/89

- sign 101.677+/-0.015 χ^2/NDF: 5413585.6/45



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

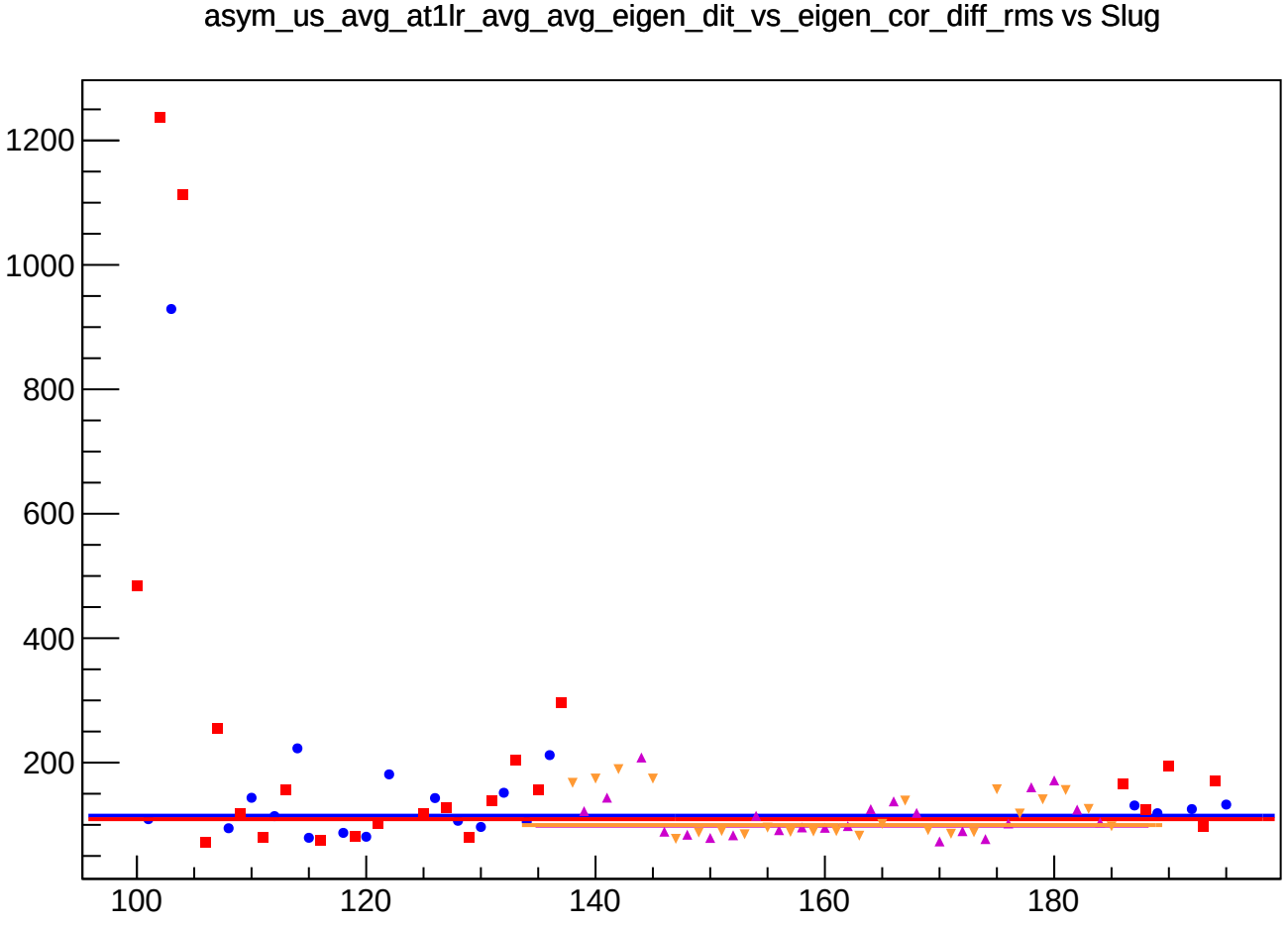
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

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: 103.2/89

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 114.699+/-0.030 χ^2/NDF: 1889596.8/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

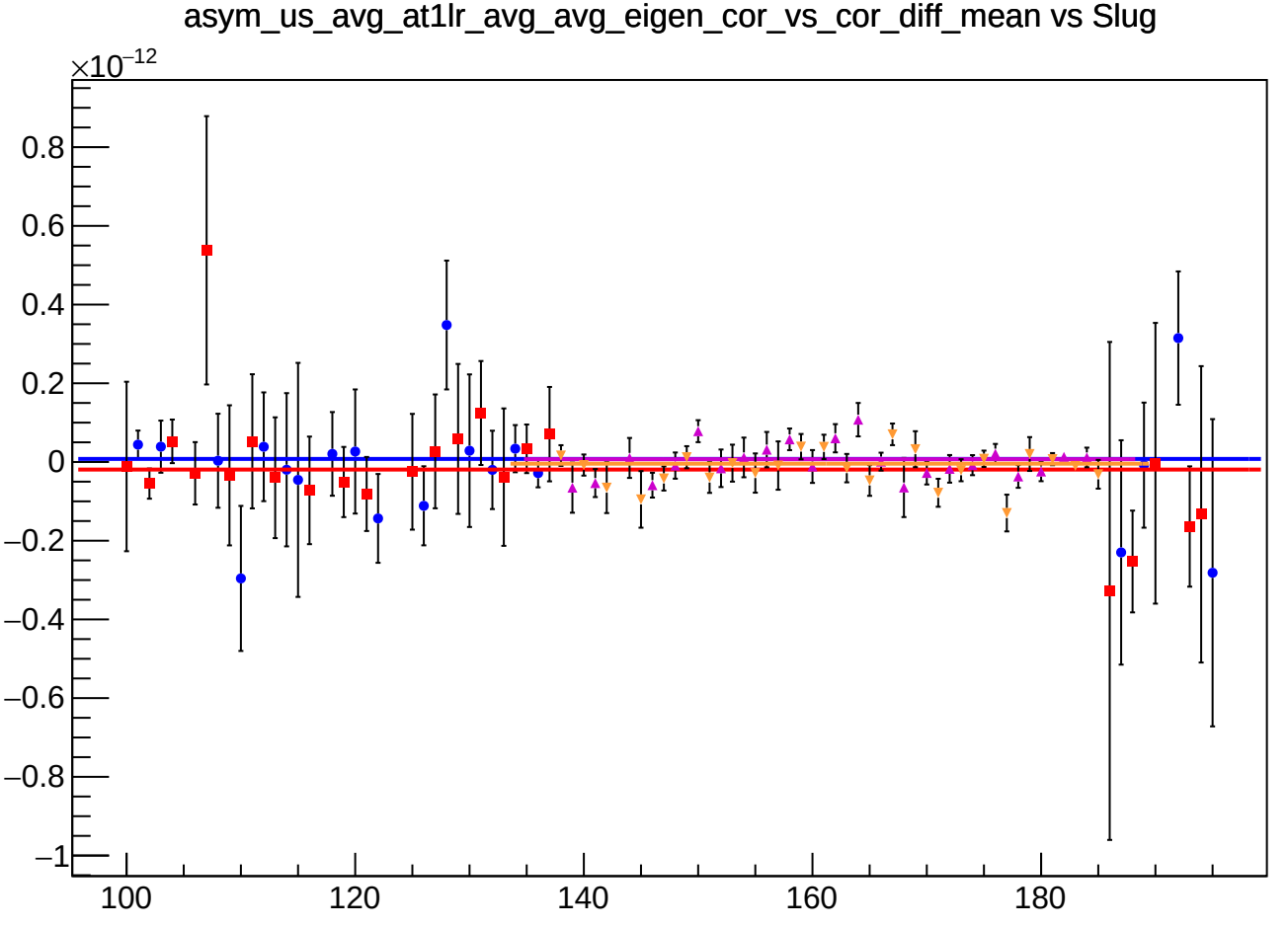
Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.589+/-0.015 χ^2/NDF: 4149025.2/43

All: 102.608+/-0.011 χ^2/NDF: 9570573.4/89

- sign 101.677+/-0.015 χ^2/NDF: 5413585.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

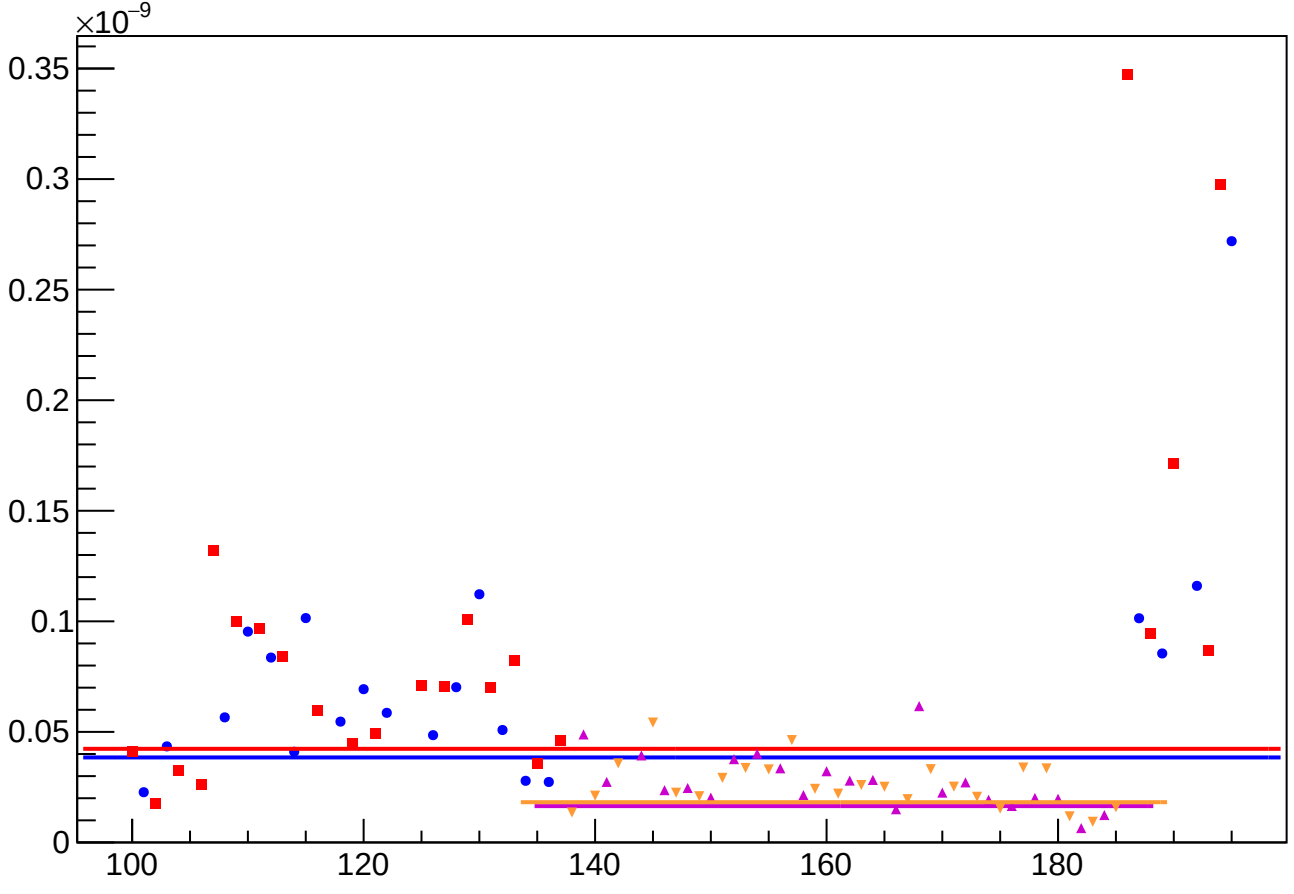
Right Out: -0.000+/-0.000 χ^2/NDF: 13.4/22

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: 102.2/89

- sign 0.000+/-0.000 χ^2/NDF: 50.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 3201725.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4406833.5/22

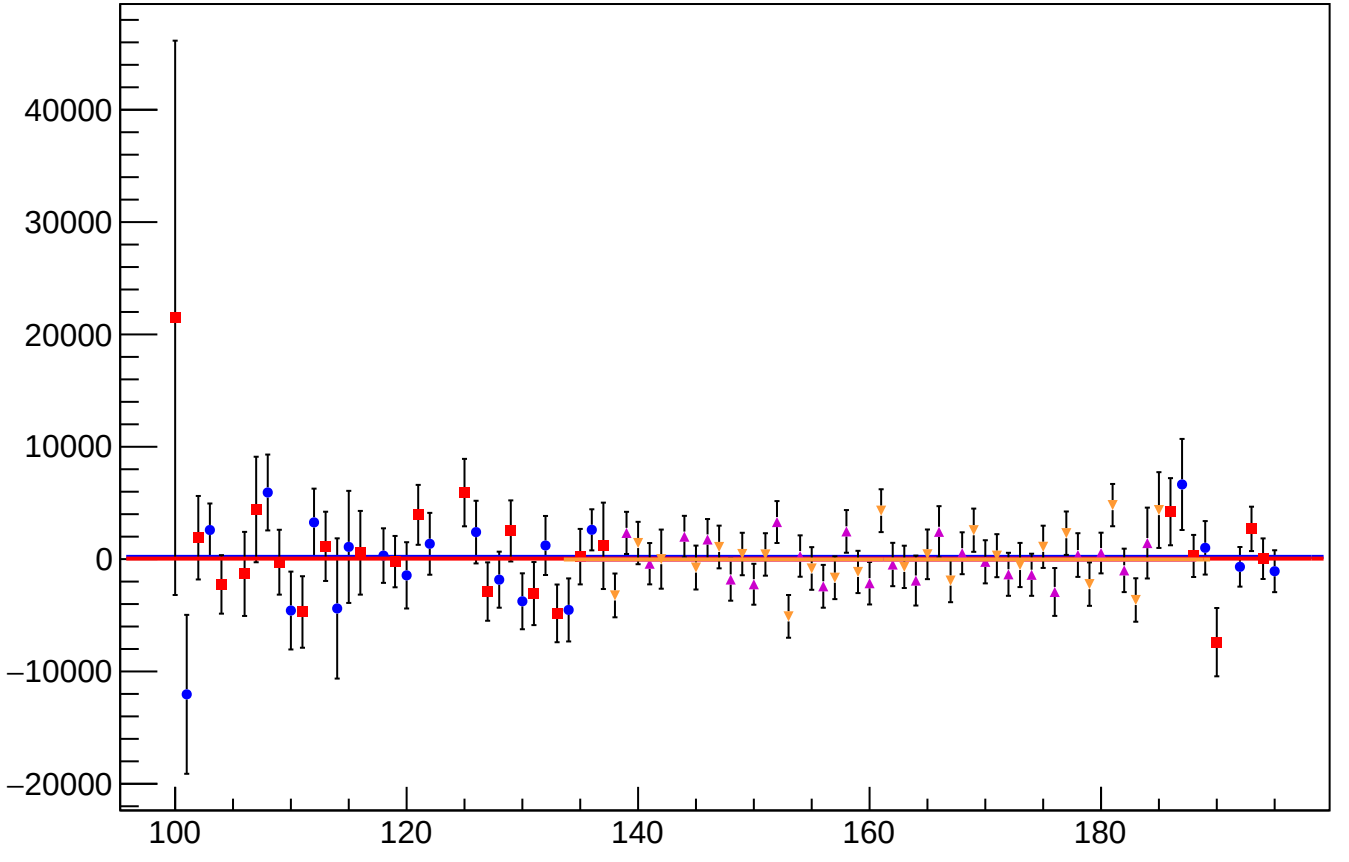
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9612524.3/43

All: 0.000+/-0.000 χ^2/NDF: 24000209.5/89

- sign 0.000+/-0.000 χ^2/NDF: 14262463.2/45

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: 46.206+/-573.668 χ^2/NDF: 27.9/22

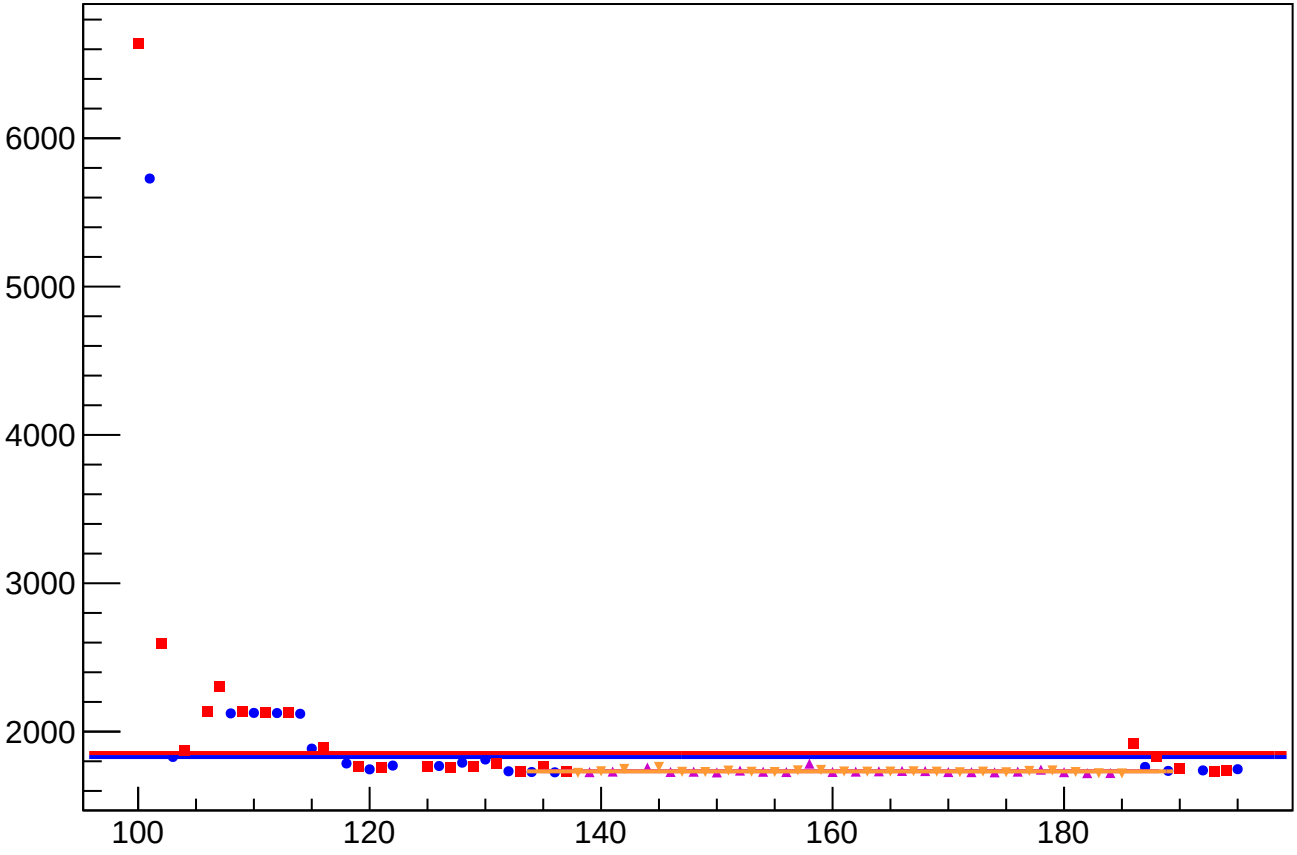
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 39.004+/-332.955 χ^2/NDF: 58.3/43

All: 9.353+/-234.631 χ^2/NDF: 105.6/89

\- sign -19.898+/-330.694 χ^2/NDF: 47.3/45

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

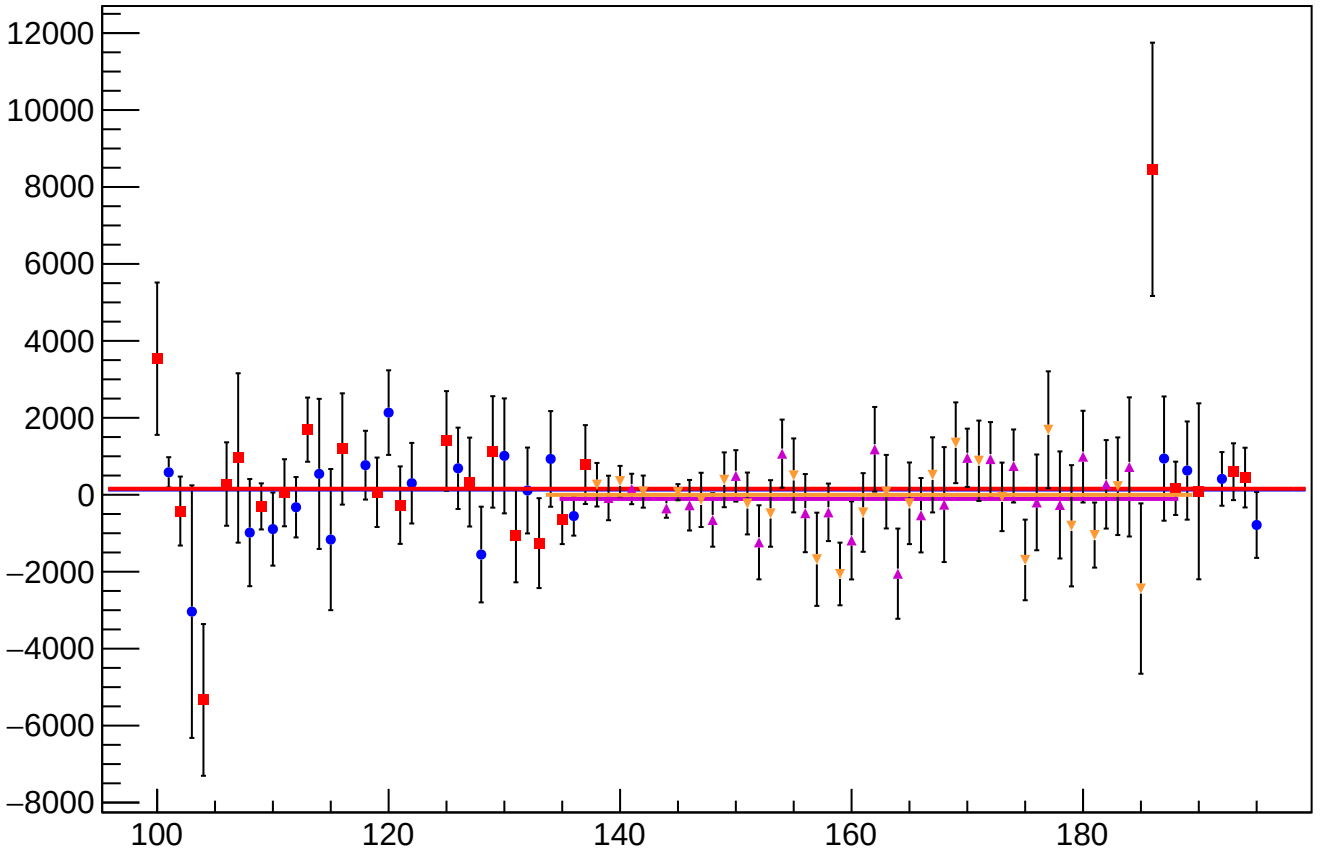
Right Out: 1855.634+/-0.406 χ^2/NDF: 277251.2/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.8/43

All: 1768.149+/-0.166 χ^2/NDF: 1069265.3/89

- sign 1773.962+/-0.234 χ^2/NDF: 340194.0/45



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: 156.218+/-206.385 χ^2/NDF: 28.5/22

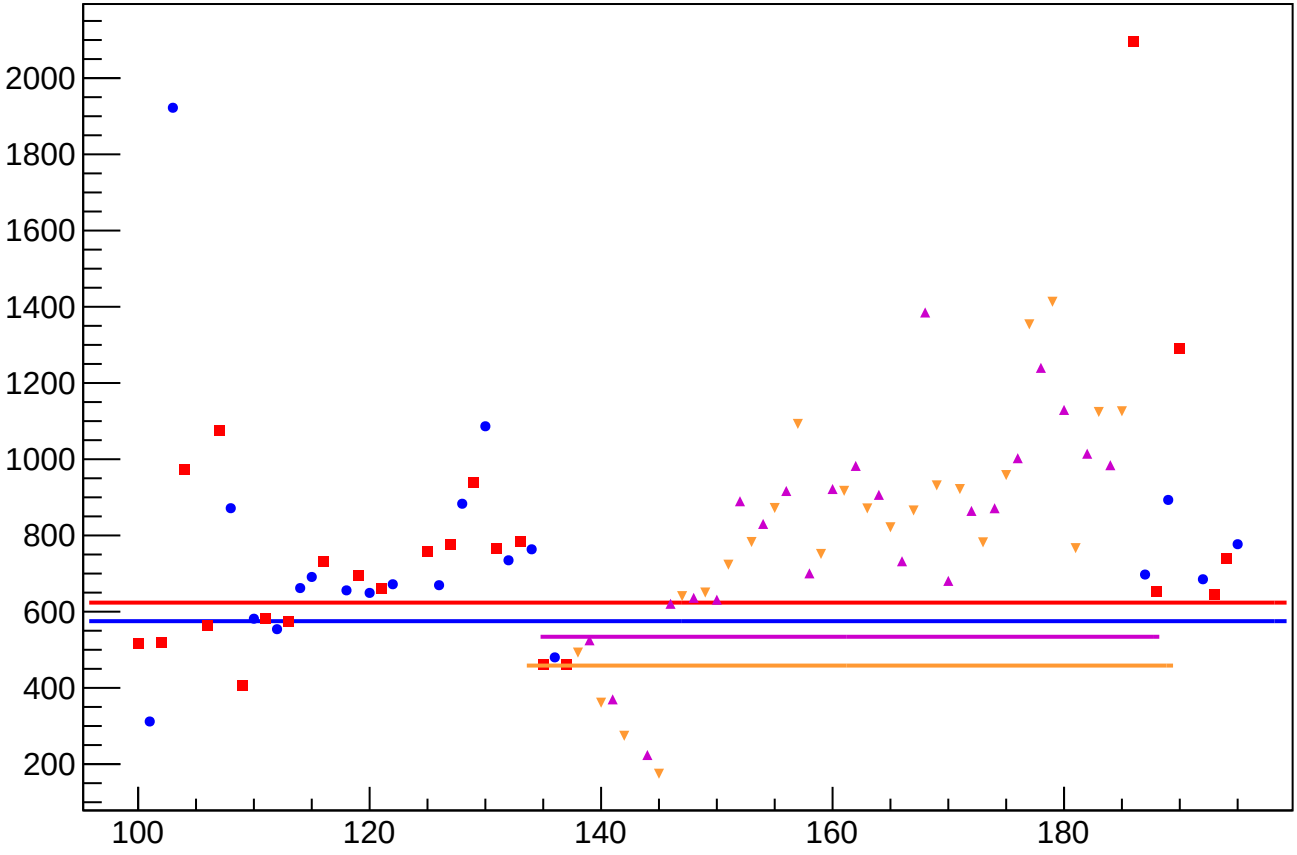
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 38.774+/-108.988 χ^2/NDF: 35.8/43

All: 10.583+/-79.974 χ^2/NDF: 82.5/89

- sign -22.304+/-117.717 χ^2/NDF: 46.6/45

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: 623.756+/-0.146 χ^2/NDF: 1498149.7/22

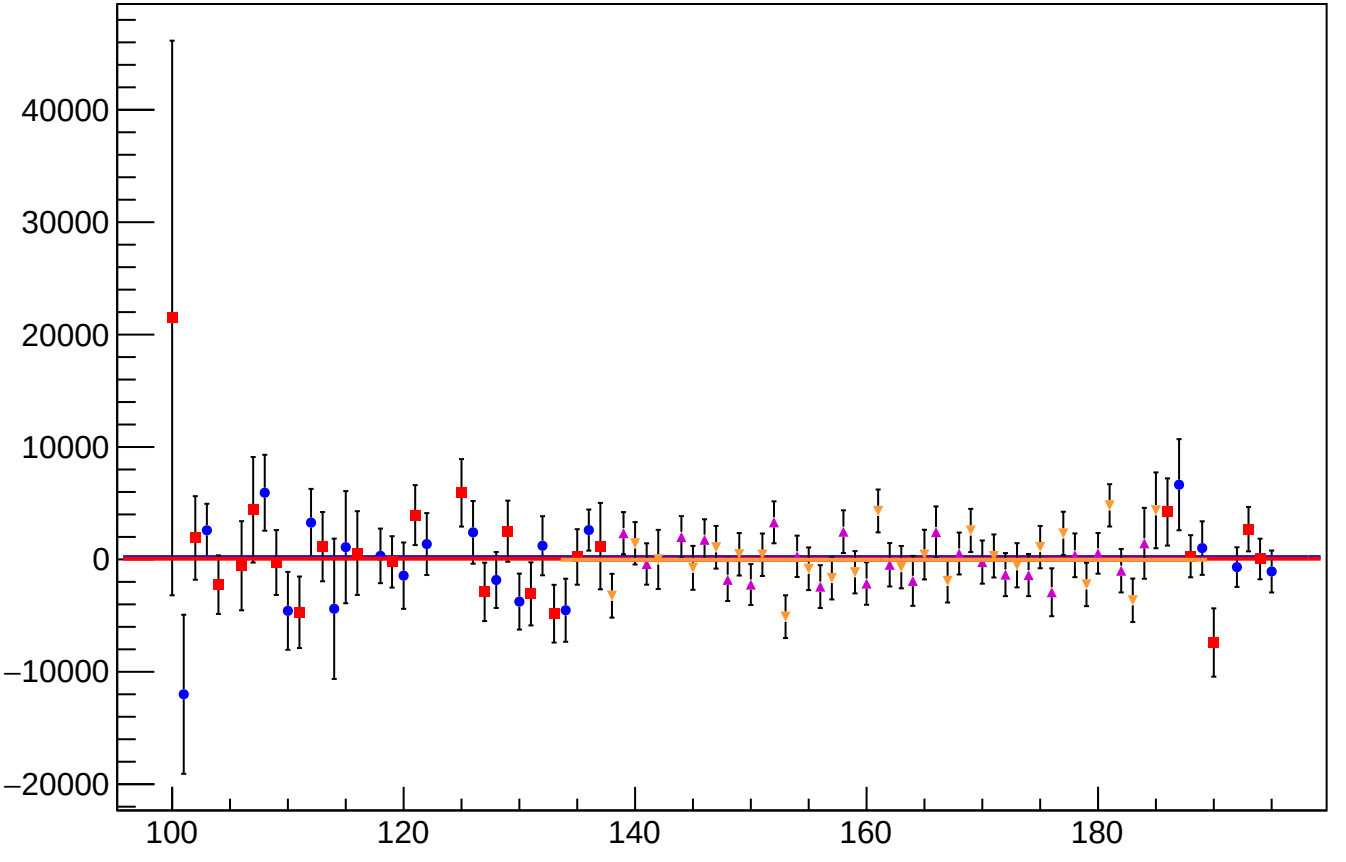
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 493.262+/-0.077 χ^2/NDF: 14109851.7/43

All: 525.592+/-0.057 χ^2/NDF: 24686887.4/89

- sign 563.308+/-0.083 χ^2/NDF: 10195735.6/45

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: 65.688+/-574.403 χ^2/NDF: 27.8/22

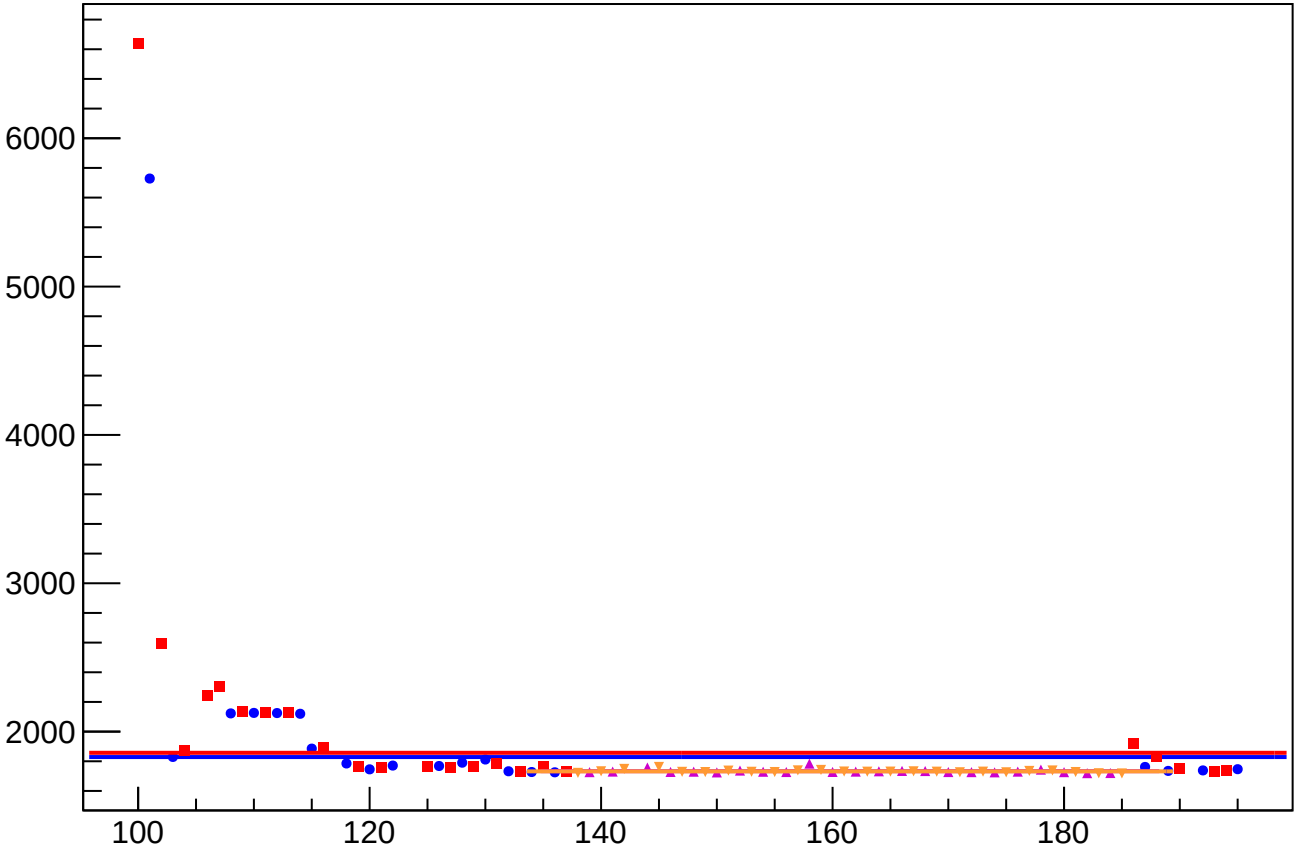
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 39.068+/-332.955 χ^2/NDF: 58.3/43

All: 12.648+/-234.681 χ^2/NDF: 105.5/89

- sign -13.436+/-330.835 χ^2/NDF: 47.2/45

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

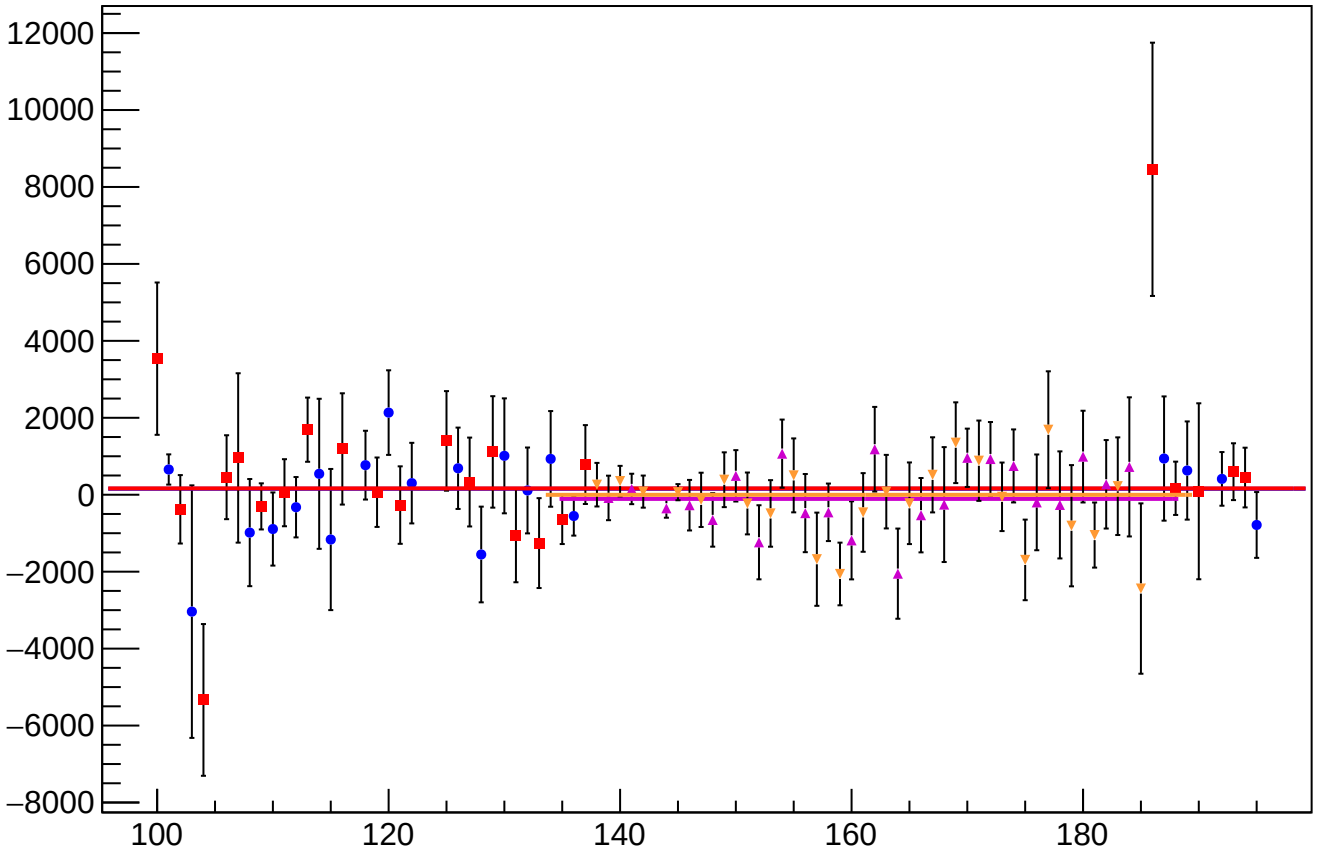
Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.6/43

All: 1768.359+/-0.166 χ^2/NDF: 1078410.1/89

- sign 1774.385+/-0.234 χ^2/NDF: 349247.9/45



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: 164.401+/-206.349 χ^2/NDF: 28.5/22

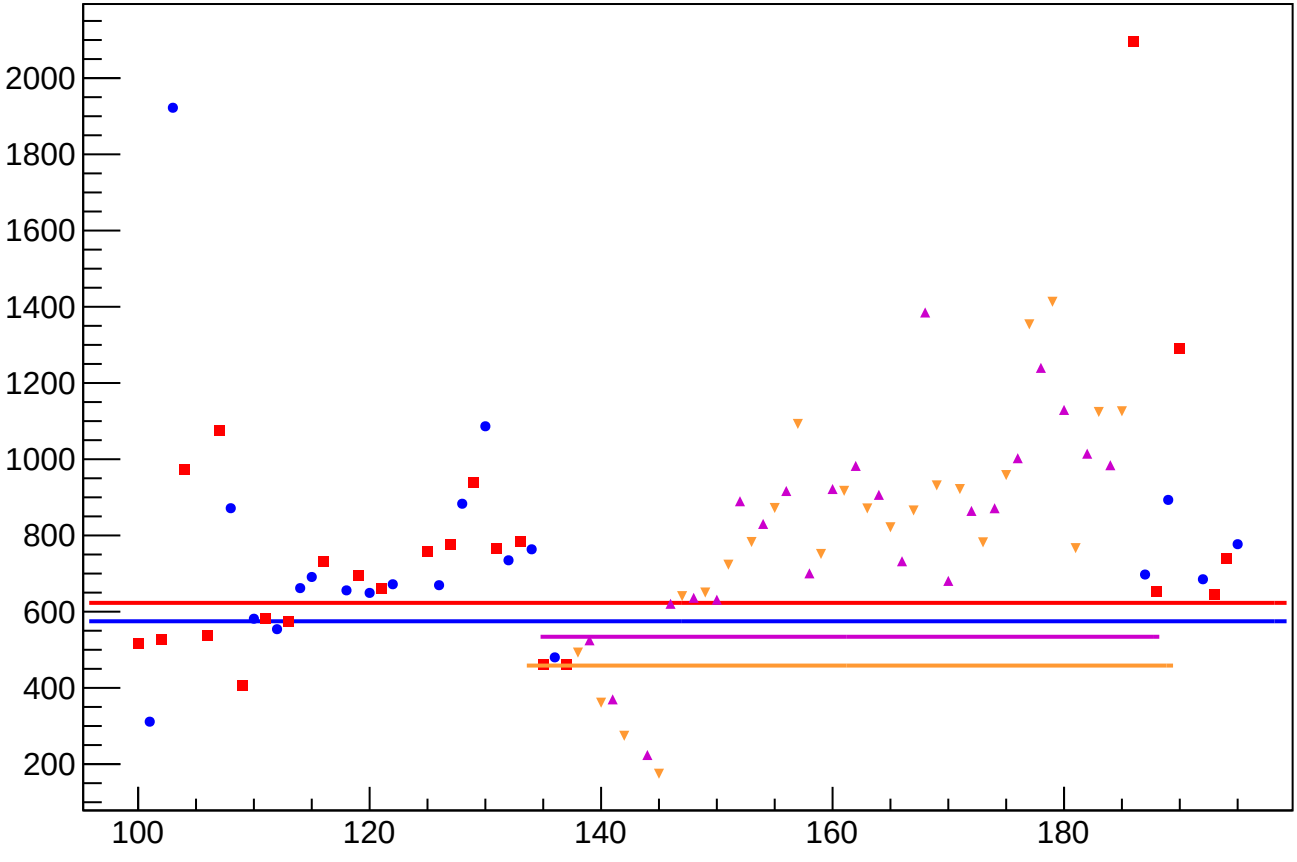
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.424+/-108.980 χ^2/NDF: 36.3/43

All: 14.874+/-79.969 χ^2/NDF: 83.2/89

- sign -19.601+/-117.710 χ^2/NDF: 46.7/45

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

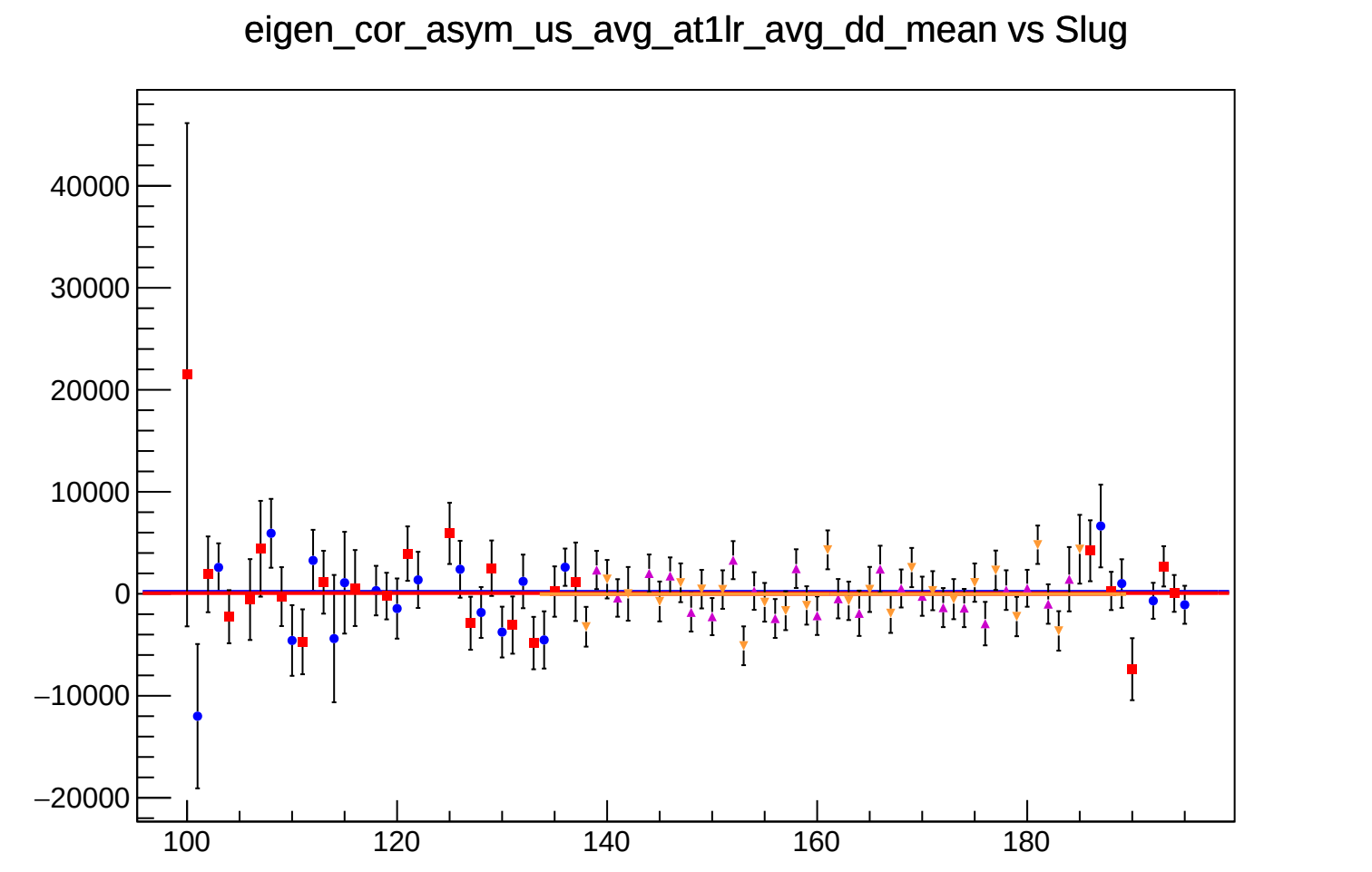
Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

\+ sign 493.201+/-0.077 χ^2/NDF: 14112627.4/43

All: 525.466+/-0.057 χ^2/NDF: 24687403.1/89

\- sign 563.107+/-0.083 χ^2/NDF: 10194959.2/45



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: 65.688+/-574.403 χ^2/NDF: 27.8/22

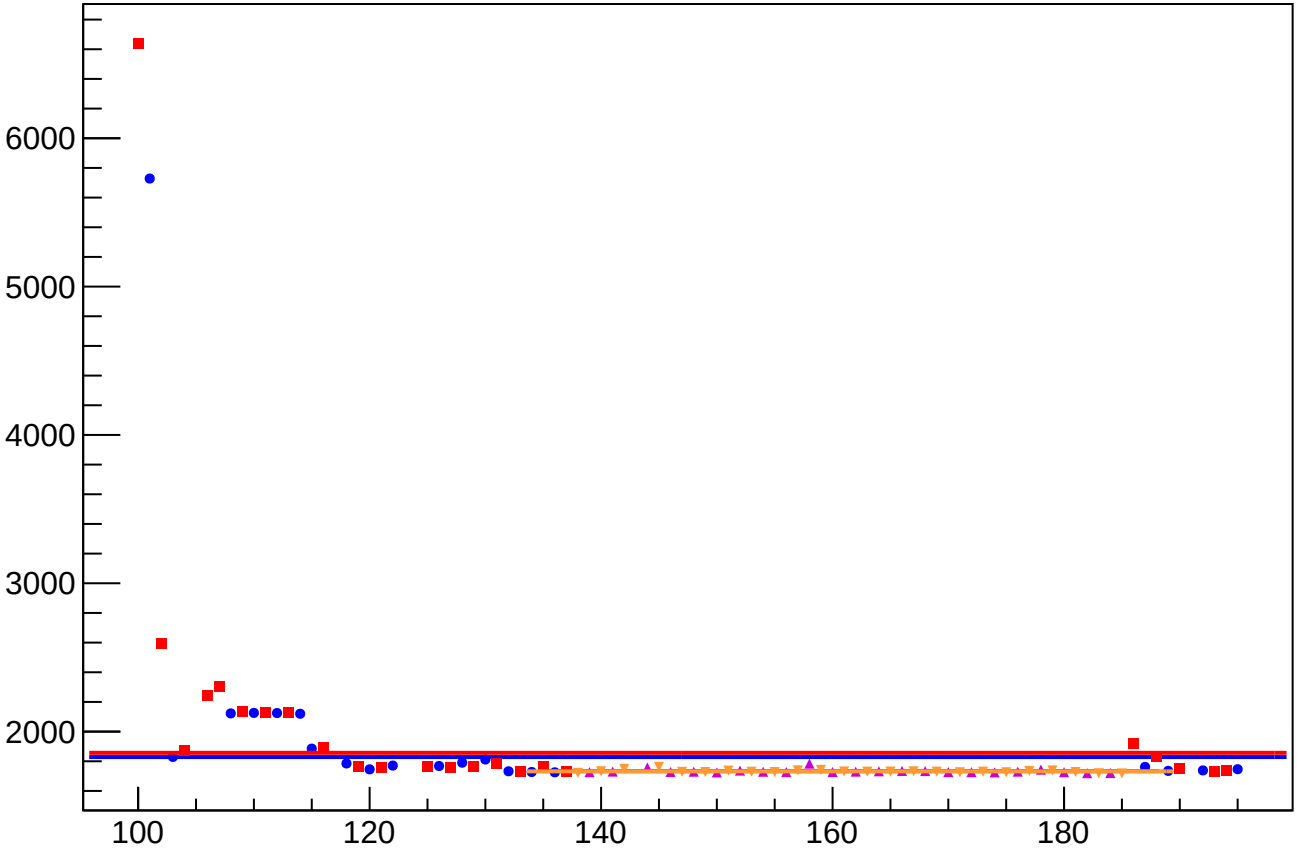
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 39.068+/-332.955 χ^2/NDF: 58.3/43

All: 12.648+/-234.681 χ^2/NDF: 105.5/89

- sign -13.436+/-330.835 χ^2/NDF: 47.2/45

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

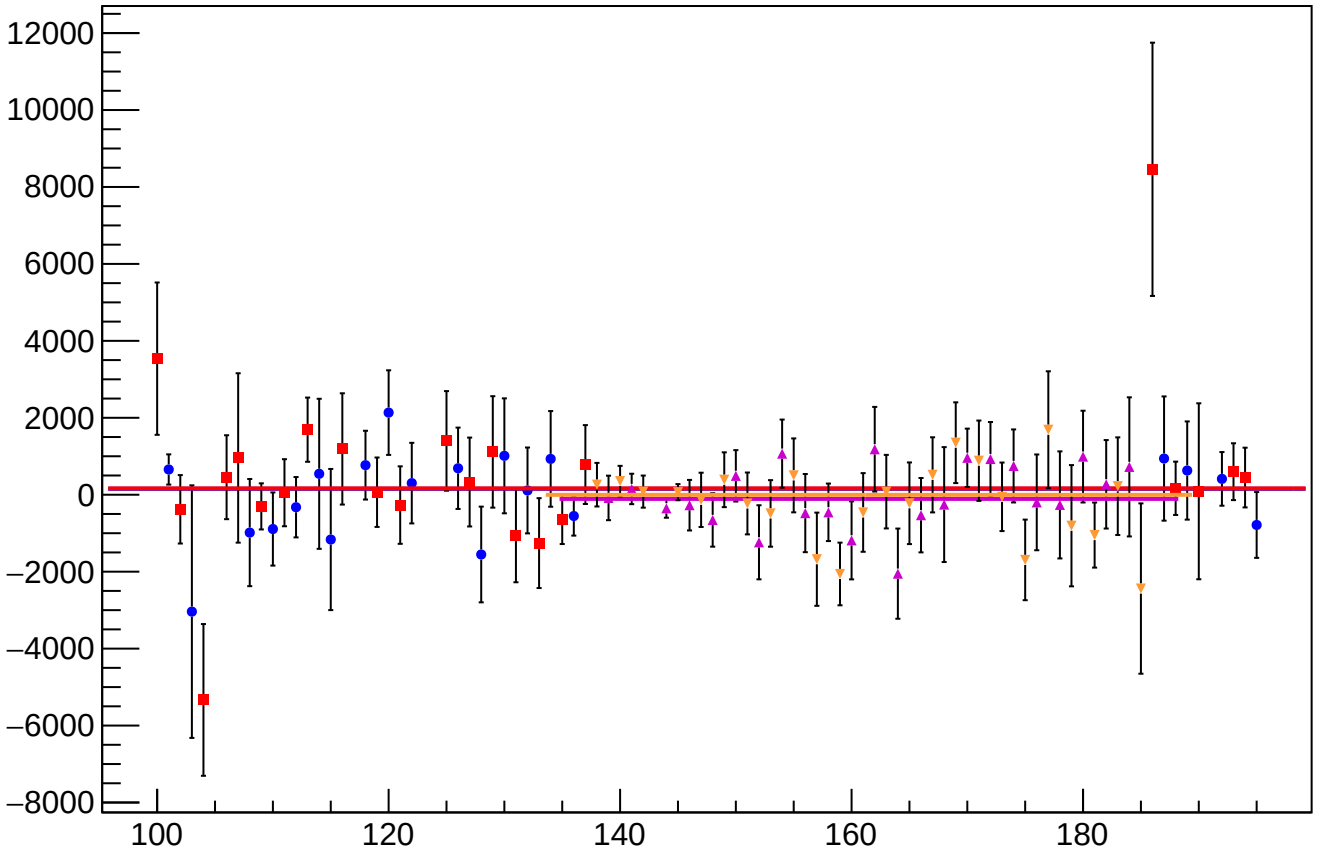
Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.256+/-0.235 χ^2/NDF: 727826.6/43

All: 1768.359+/-0.166 χ^2/NDF: 1078410.1/89

- sign 1774.385+/-0.234 χ^2/NDF: 349247.9/45



Right In: 155.122+/-199.694 χ^2/NDF: 15.6/19

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

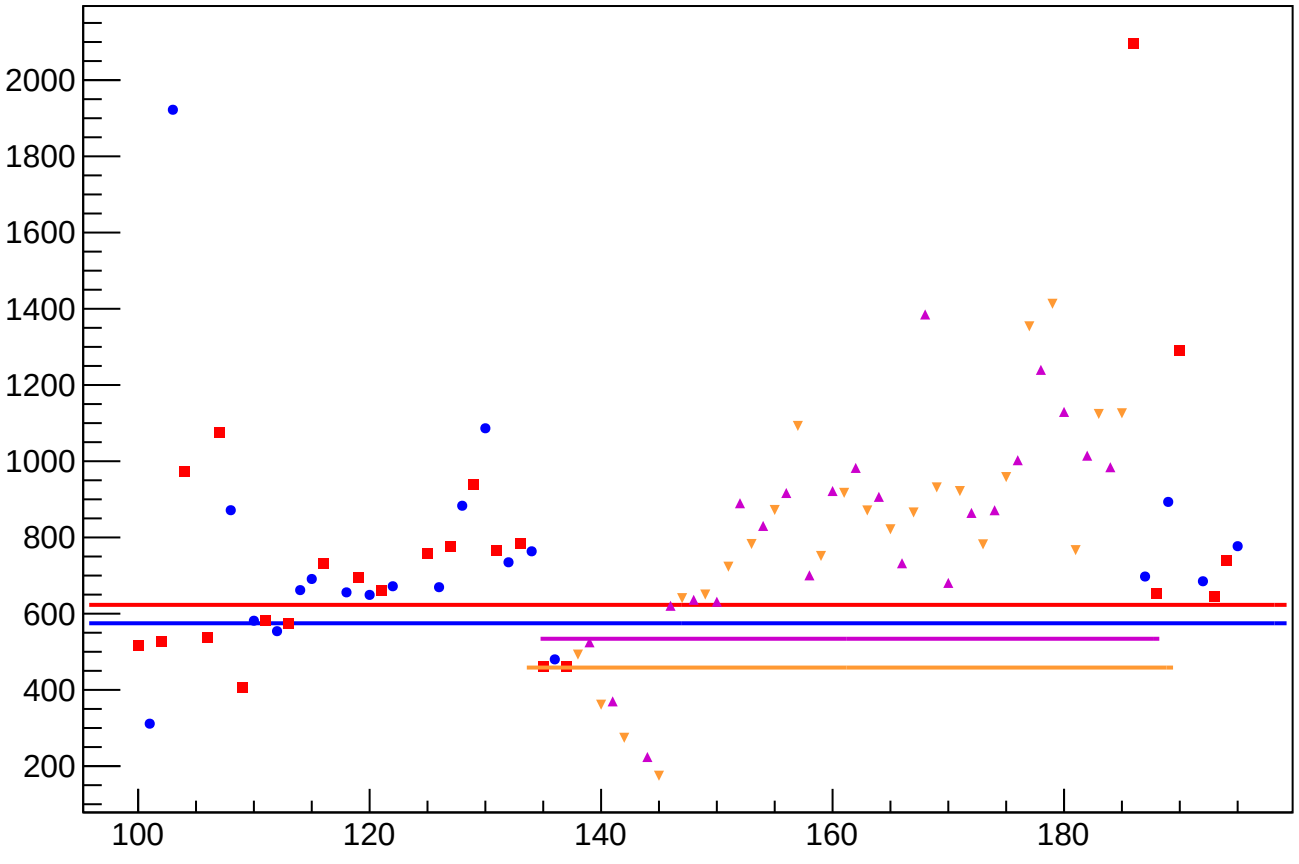
Right Out: 164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.424+/-108.980 χ^2/NDF: 36.3/43

All: 14.874+/-79.969 χ^2/NDF: 83.2/89

- sign -19.601+/-117.710 χ^2/NDF: 46.7/45



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

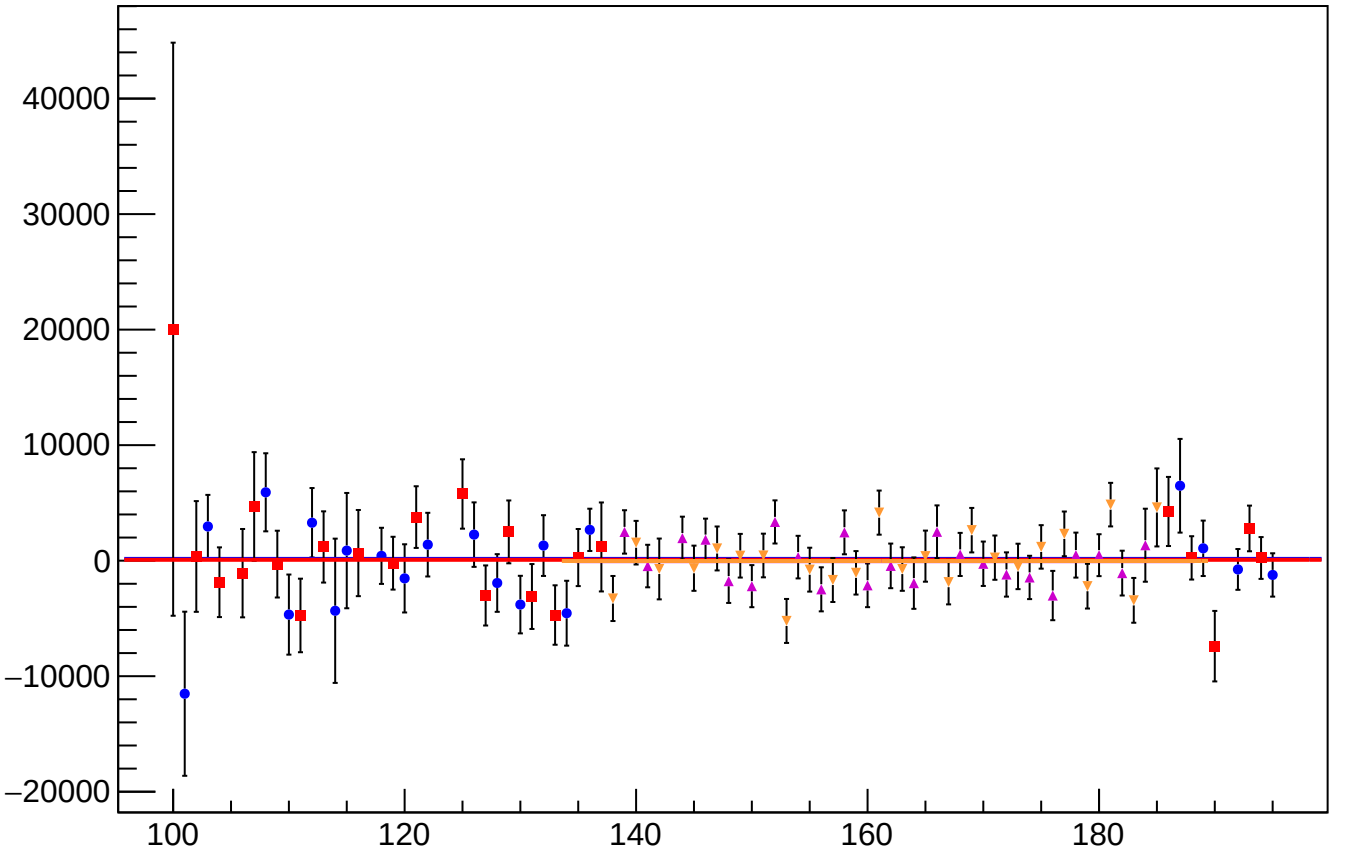
Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 493.201+/-0.077 χ^2/NDF: 14112627.4/43

All: 525.466+/-0.057 χ^2/NDF: 24687403.1/89

- sign 563.107+/-0.083 χ^2/NDF: 10194959.2/45



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: 75.573+/-580.940 χ^2/NDF: 27.0/22

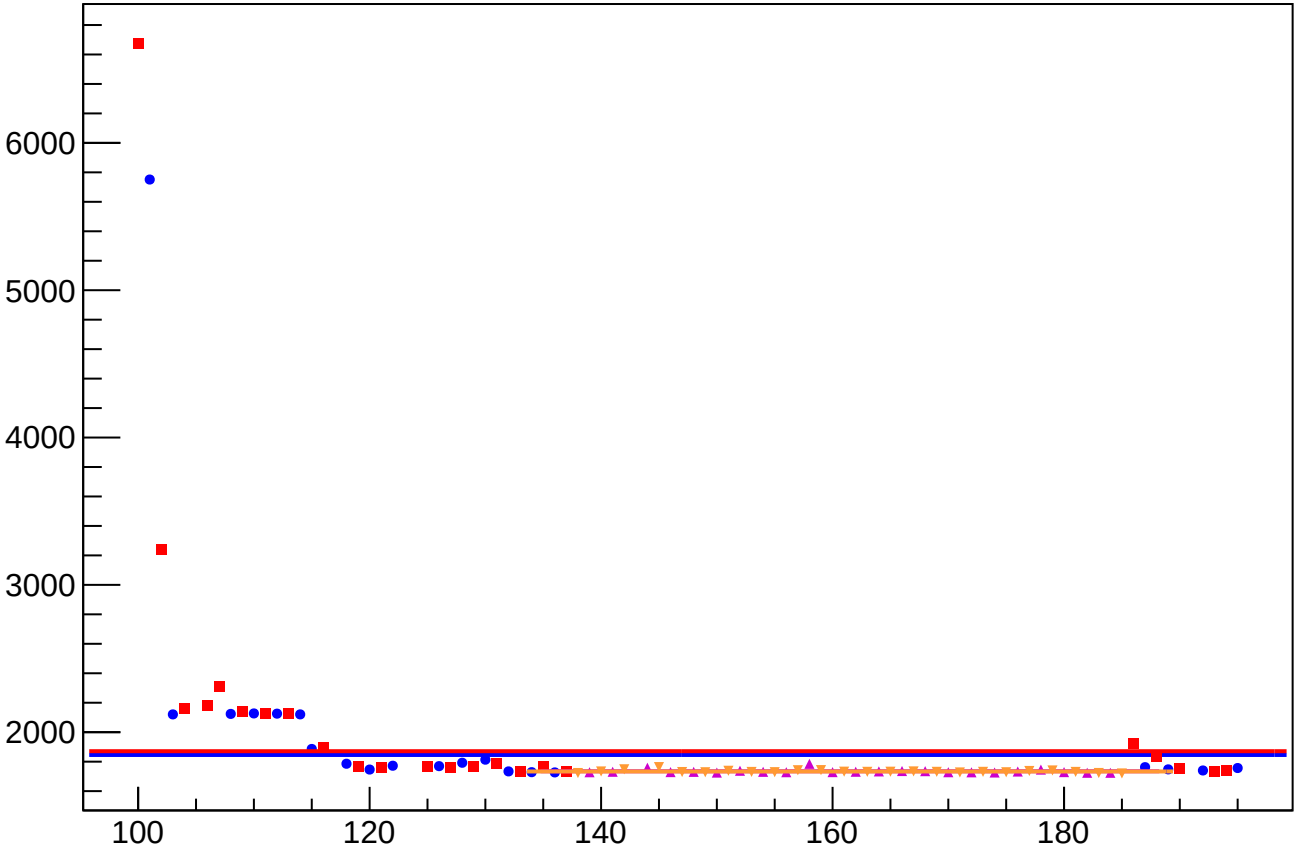
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 27.021+/-334.178 χ^2/NDF: 58.3/43

All: 11.495+/-235.619 χ^2/NDF: 105.2/89

\- sign -3.853+/-332.262 χ^2/NDF: 46.9/45

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

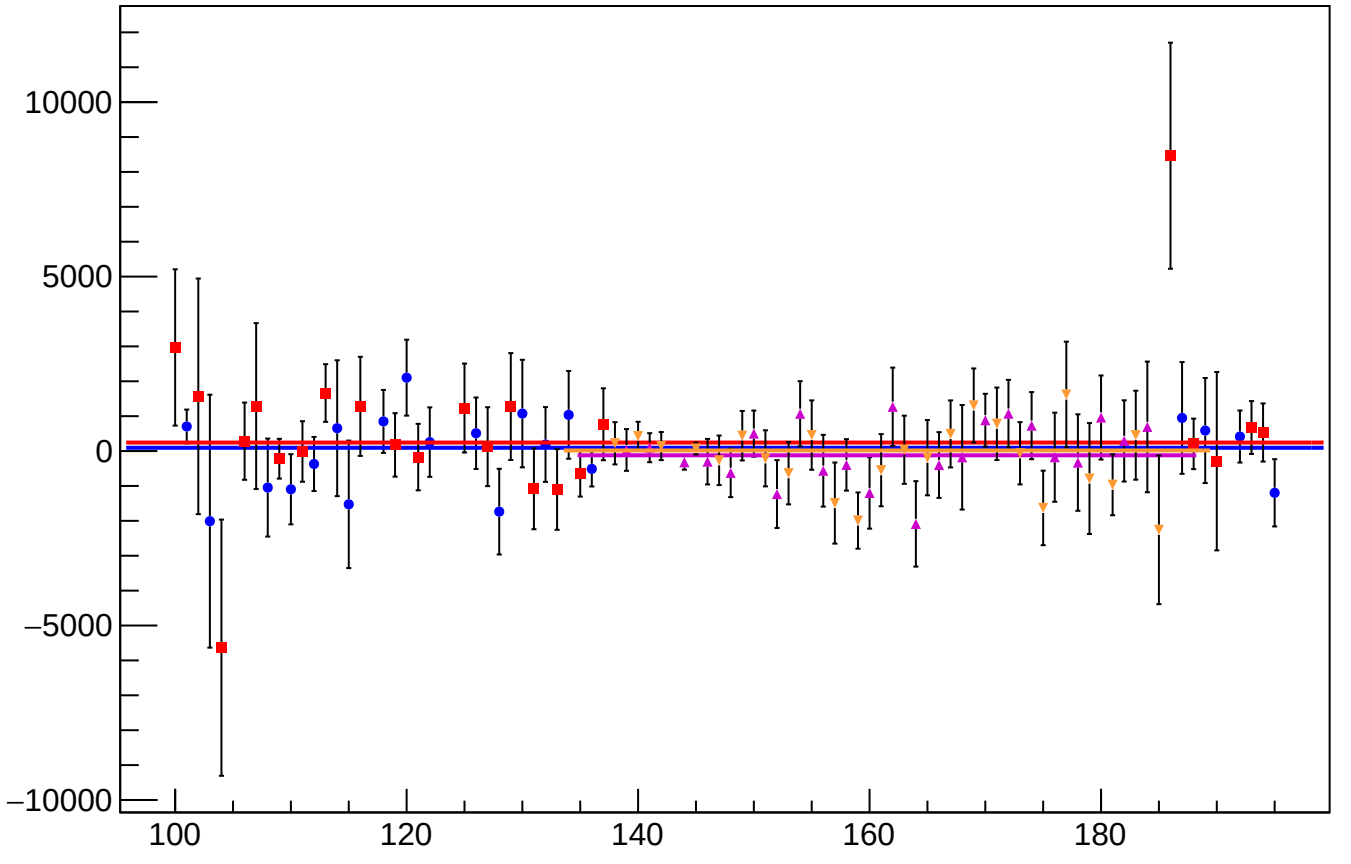
Right Out: 1870.980+/-0.411 χ^2/NDF: 385811.2/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.205+/-0.236 χ^2/NDF: 760923.1/43

All: 1773.811+/-0.167 χ^2/NDF: 1223969.0/89

- sign 1779.353+/-0.235 χ^2/NDF: 461926.5/45



Right In: 94.234+/-211.614 χ^2/NDF: 16.5/19

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

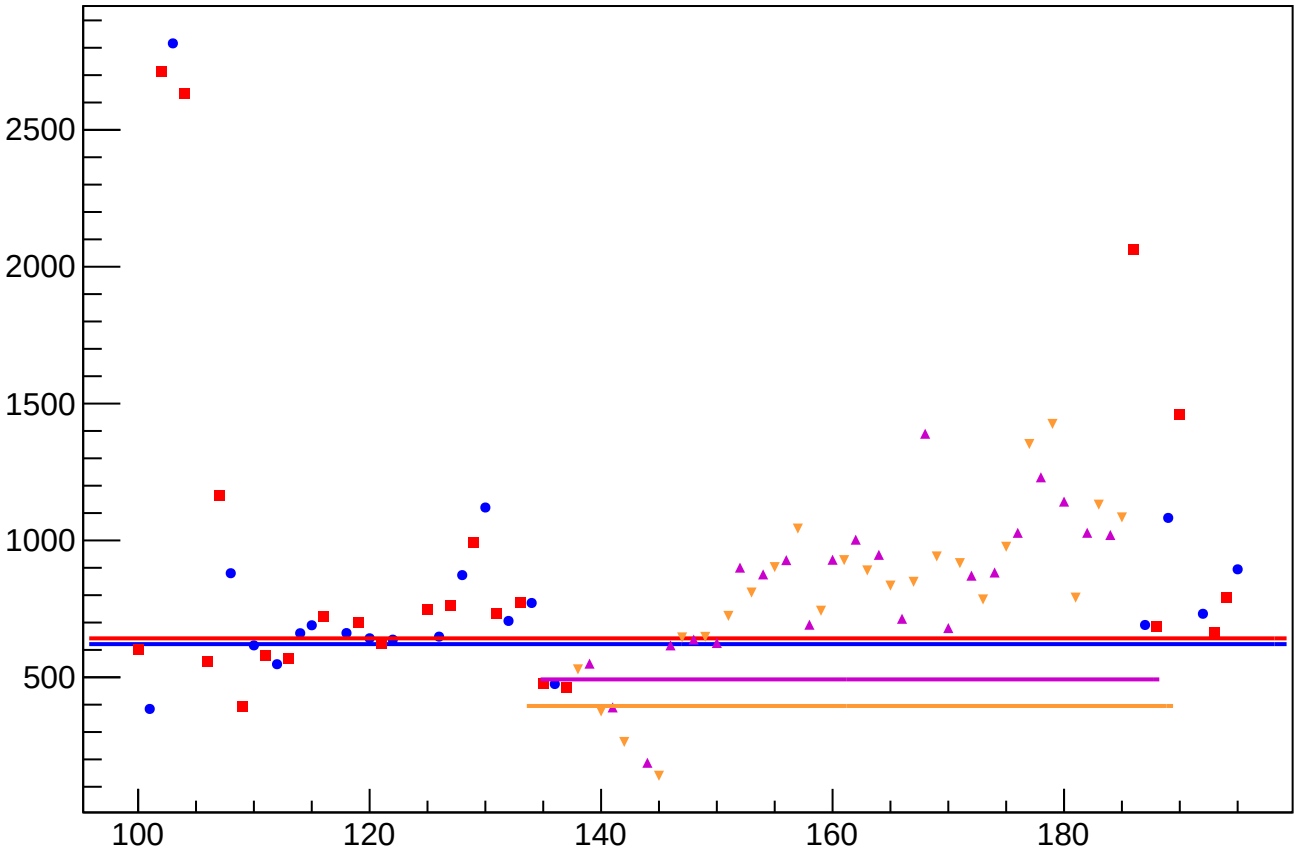
Right Out: 243.915+/-213.812 χ^2/NDF: 21.5/22

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 36.414+/-103.945 χ^2/NDF: 36.1/43

All: 13.339+/-77.246 χ^2/NDF: 76.2/89

- sign -15.122+/-115.441 χ^2/NDF: 40.0/45



Right In: 621.160+/-0.150 χ^2/NDF: 2207196.1/19

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

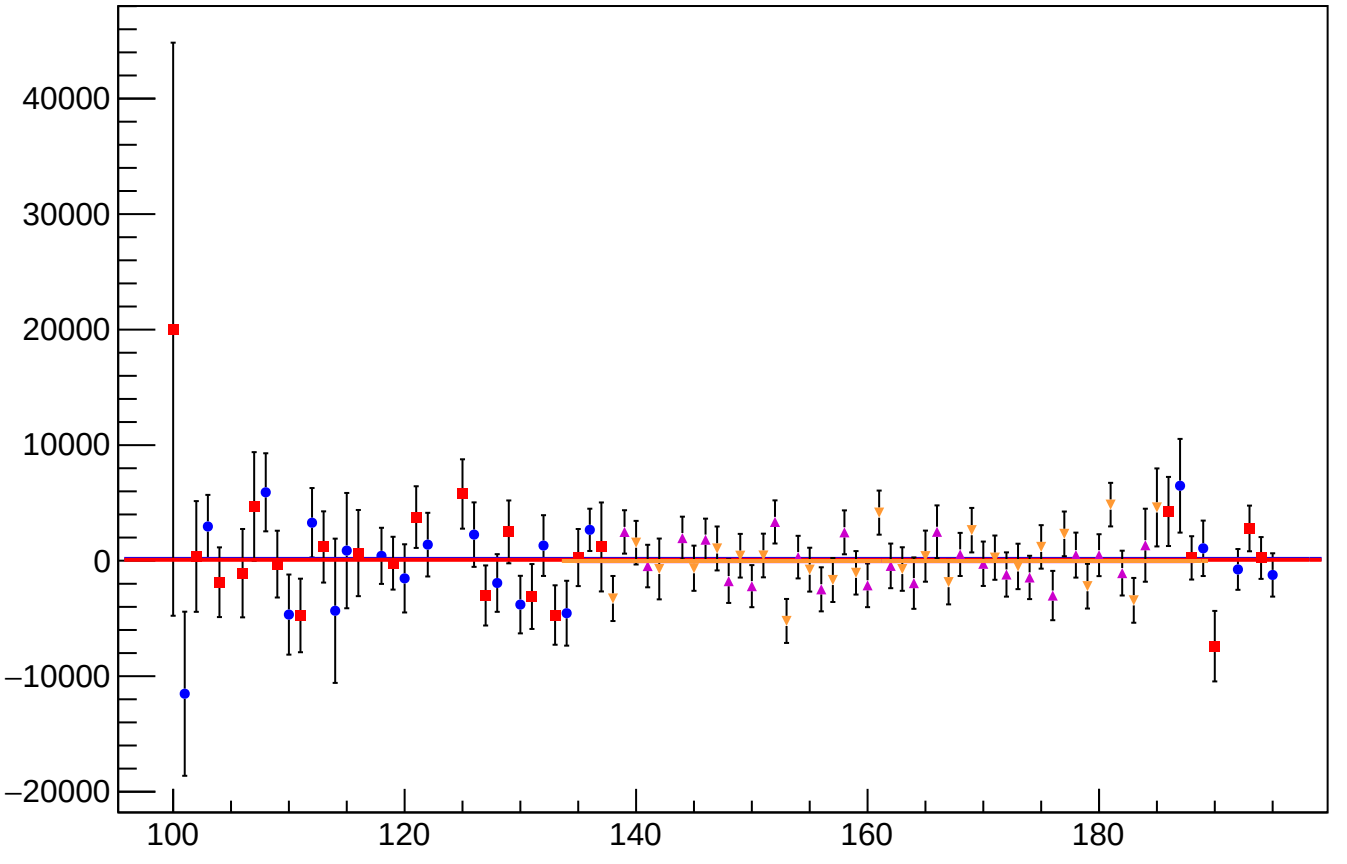
Right Out: 642.233+/-0.151 χ^2/NDF: 2903436.4/22

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 449.710+/-0.074 χ^2/NDF: 18271961.3/43

All: 488.347+/-0.055 χ^2/NDF: 32908897.9/89

- sign 536.003+/-0.082 χ^2/NDF: 14019763.7/45



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: 75.572+/-580.939 χ^2/NDF: 27.0/22

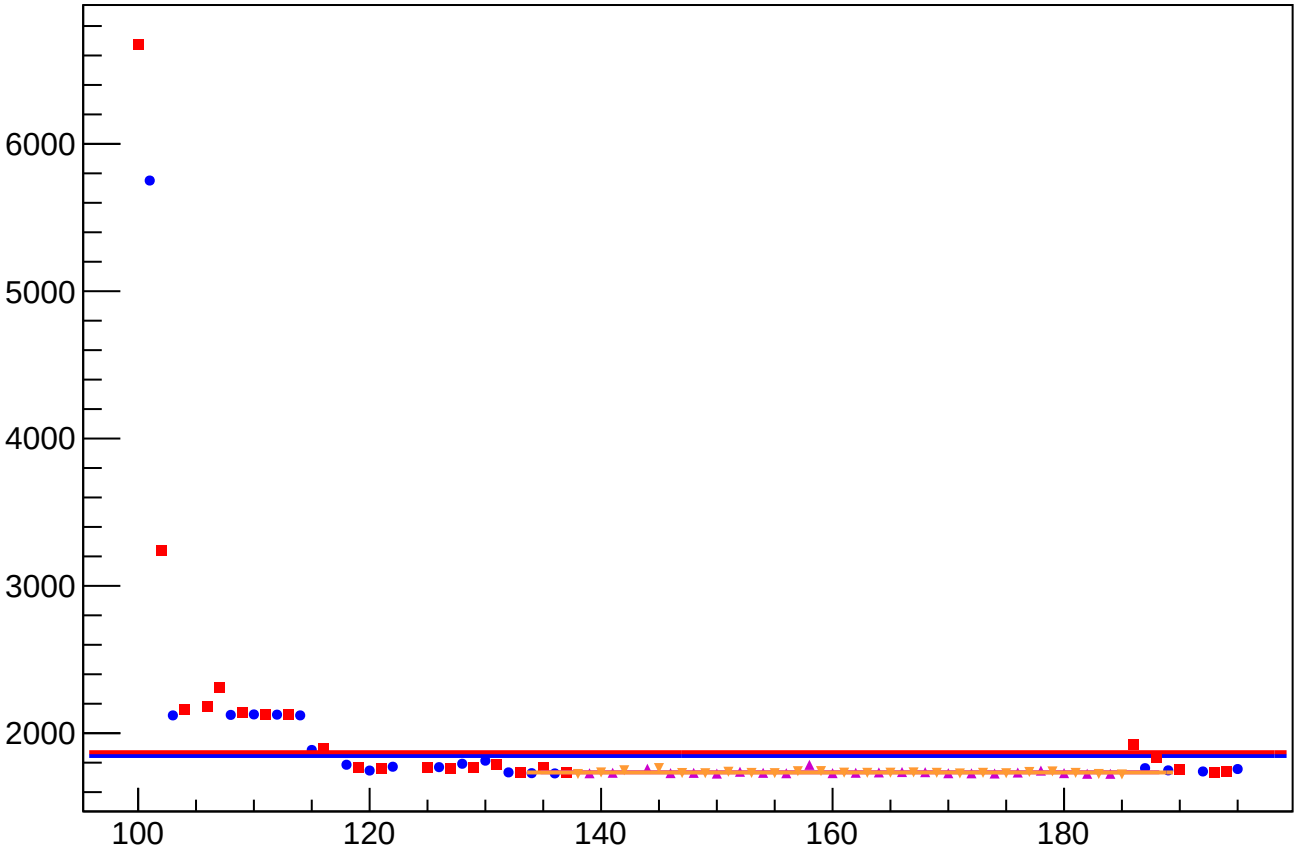
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 27.019+/-334.178 χ^2/NDF: 58.3/43

All: 11.494+/-235.619 χ^2/NDF: 105.2/89

\- sign -3.853+/-332.262 χ^2/NDF: 46.9/45

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

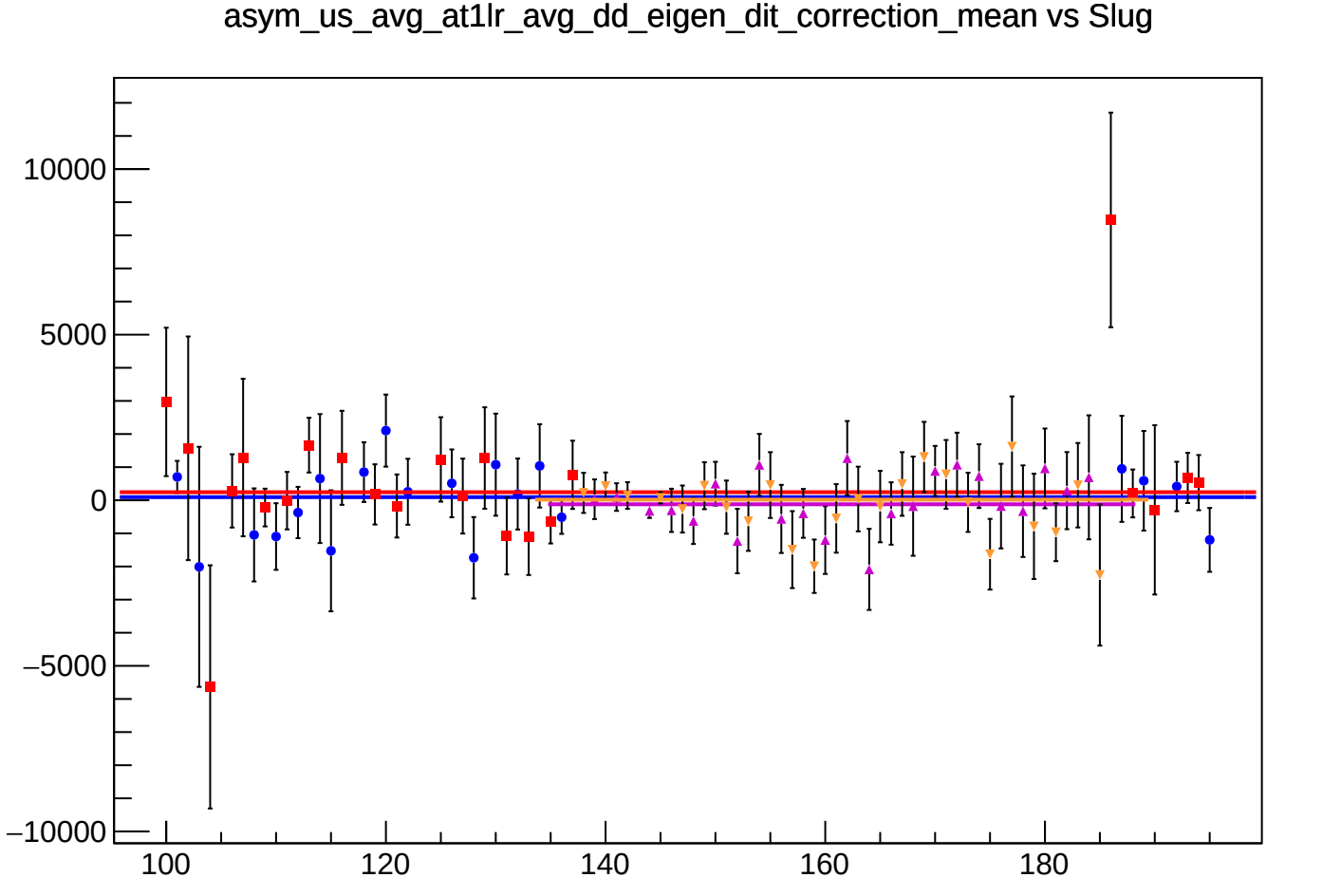
Right Out: 1870.980+/-0.411 χ^2/NDF: 385810.4/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.205+/-0.236 χ^2/NDF: 760922.7/43

All: 1773.811+/-0.167 χ^2/NDF: 1223967.8/89

- sign 1779.353+/-0.235 χ^2/NDF: 461925.7/45



Right In: 94.232+/-211.613 χ^2/NDF: 16.5/19

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

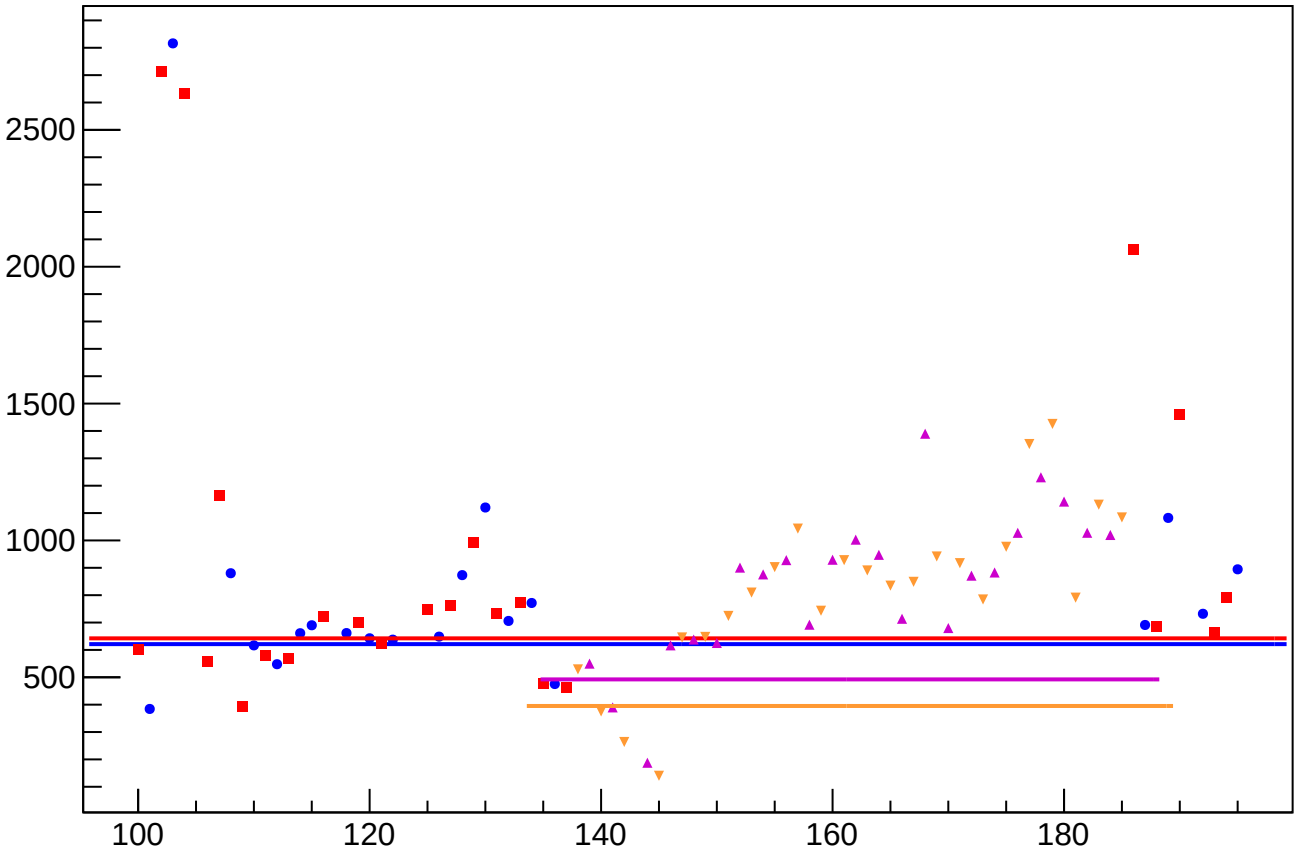
Right Out: 243.913+/-213.811 χ^2/NDF: 21.5/22

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 36.413+/-103.945 χ^2/NDF: 36.1/43

All: 13.339+/-77.246 χ^2/NDF: 76.2/89

- sign -15.122+/-115.441 χ^2/NDF: 40.0/45



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: 642.229+/-0.151 χ^2/NDF: 2903453.7/22

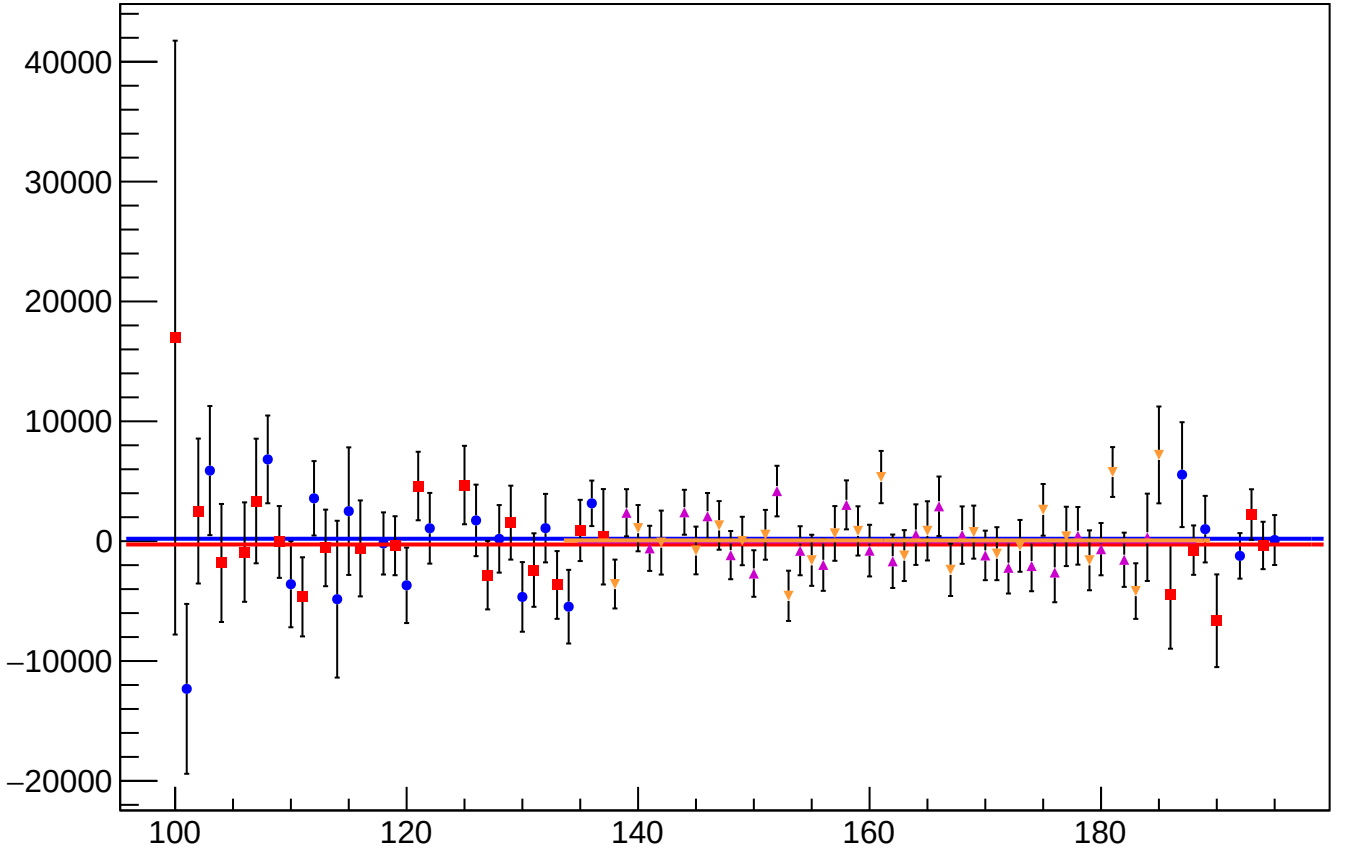
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 449.710+/-0.074 χ^2/NDF: 18271975.3/43

All: 488.347+/-0.055 χ^2/NDF: 32908910.3/89

- sign 536.003+/-0.082 χ^2/NDF: 14019764.3/45

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: -276.943+/-643.145 χ^2/NDF: 16.6/22

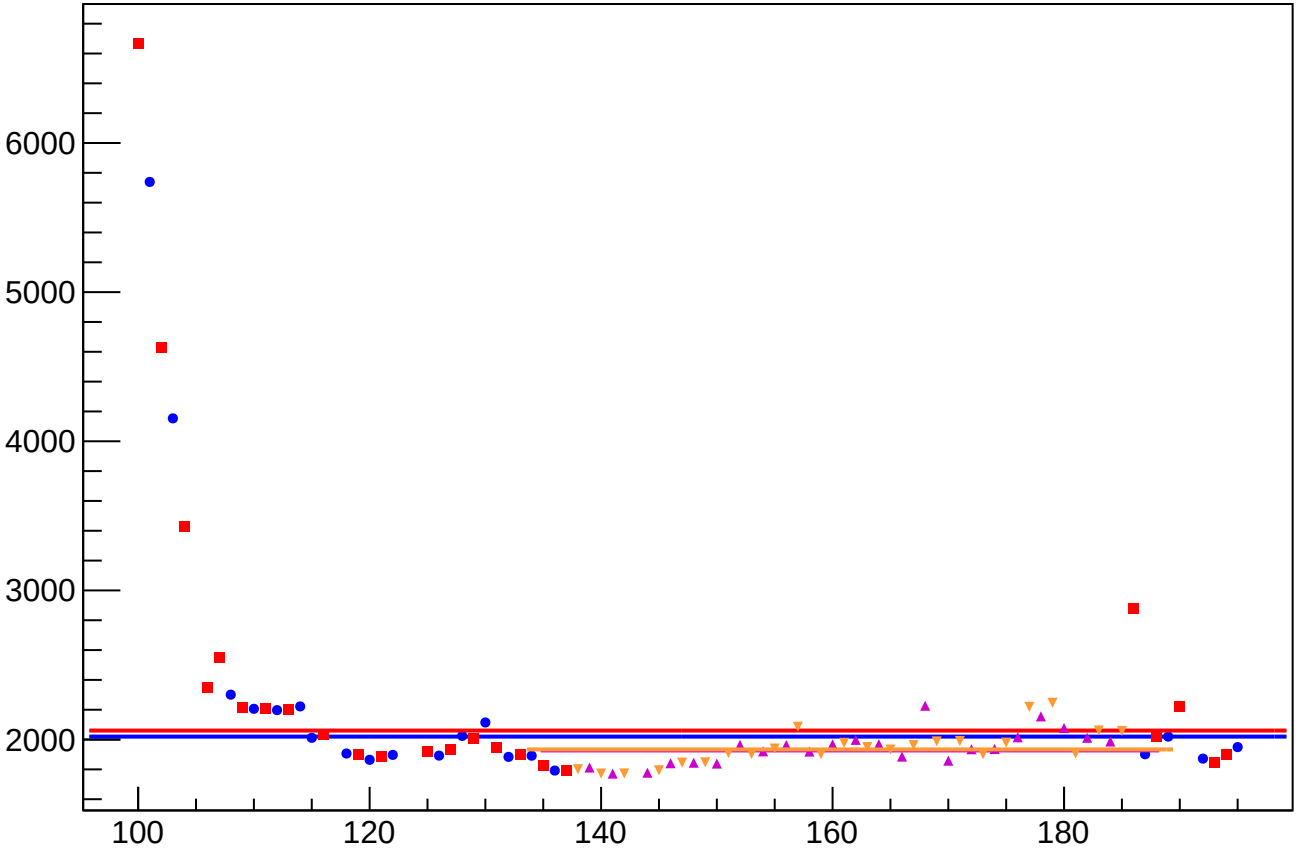
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 109.260+/-371.939 χ^2/NDF: 56.9/43

All: -0.385+/-262.000 χ^2/NDF: 93.8/89

- sign -108.376+/-369.123 χ^2/NDF: 36.7/45

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

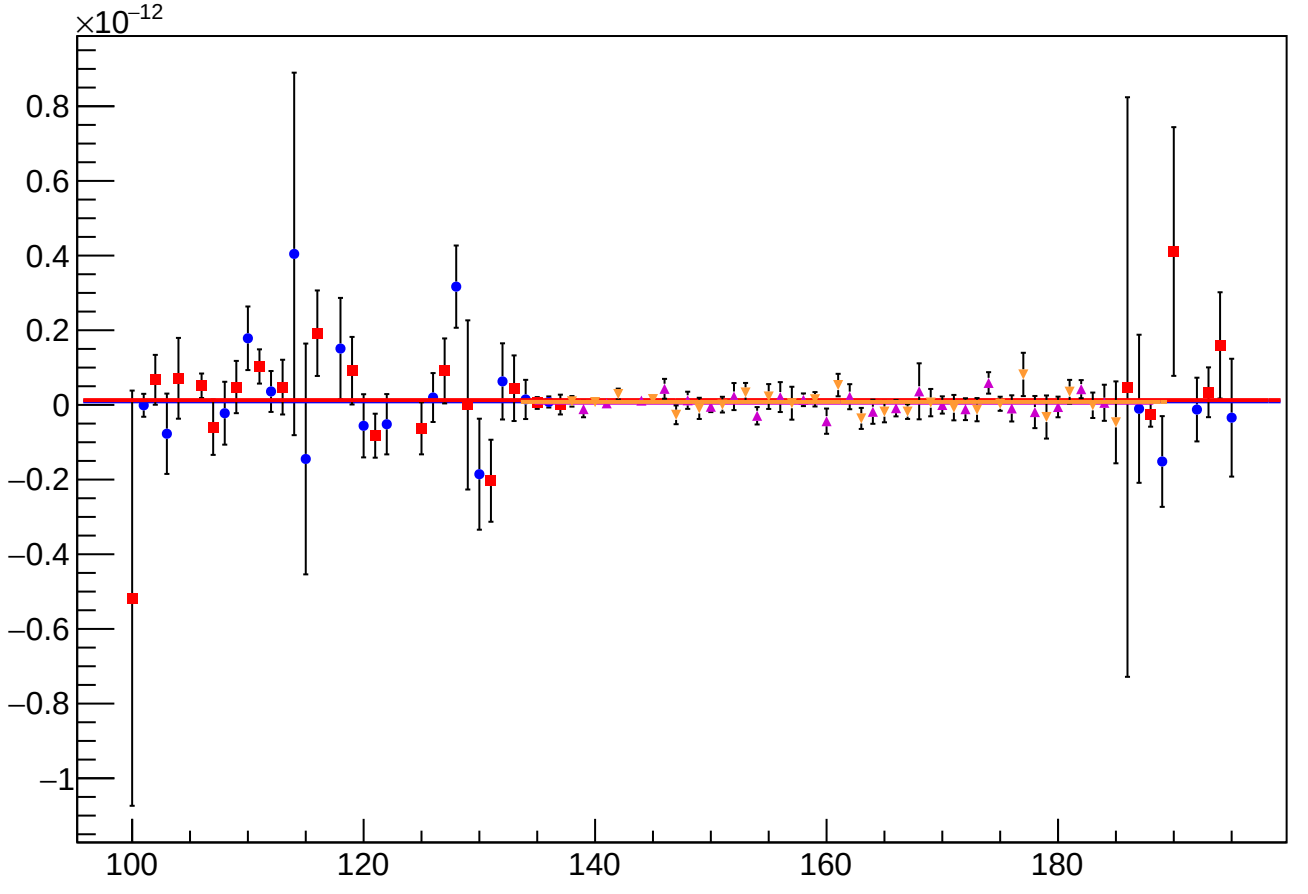
Right Out: 2060.350+/-0.455 χ^2/NDF: 788449.6/22

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1960.989+/-0.263 χ^2/NDF: 1112373.1/43

All: 1966.037+/-0.185 χ^2/NDF: 2075540.0/89

- sign 1971.010+/-0.261 χ^2/NDF: 962435.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

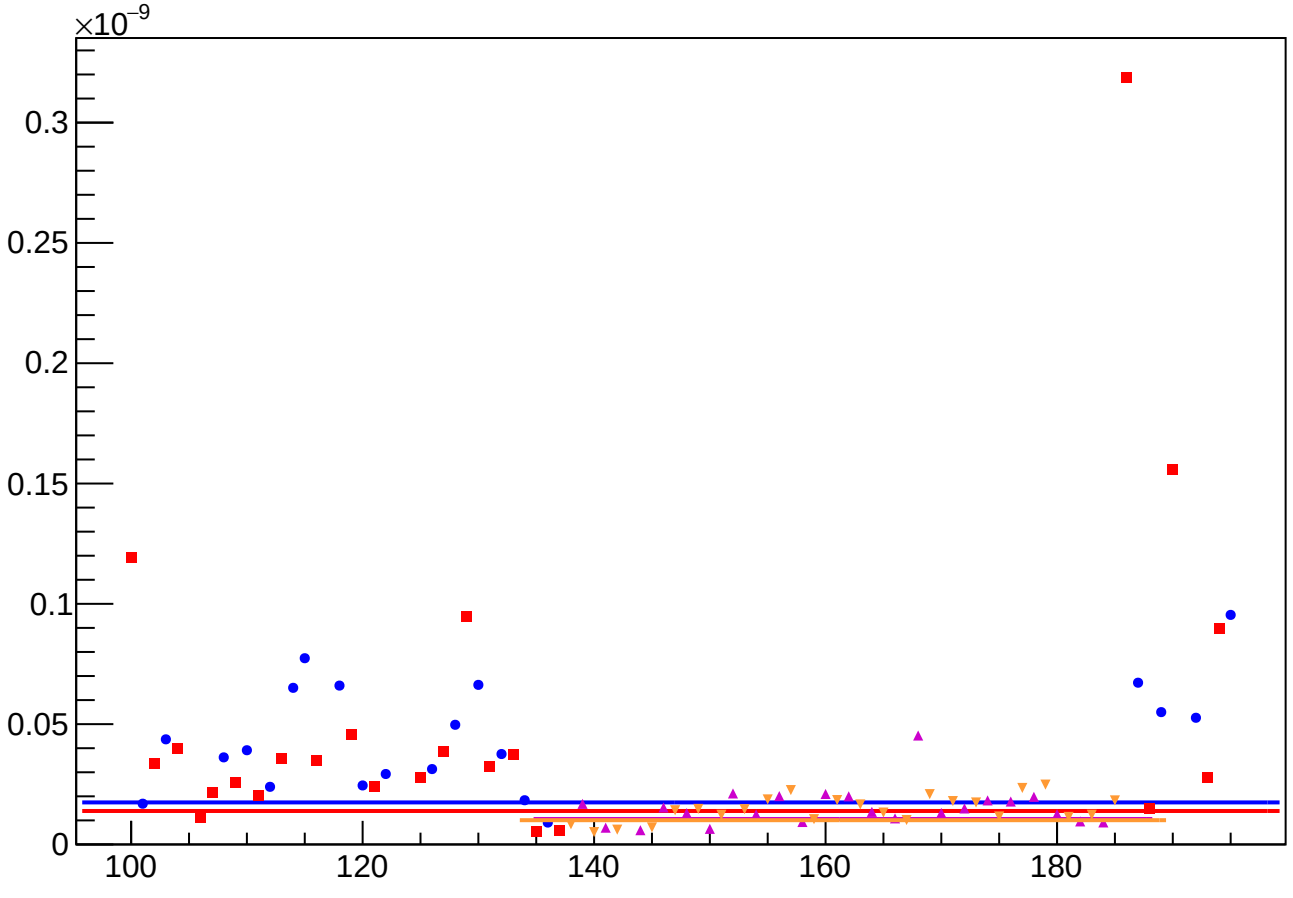
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

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: 79.4/89

- sign 0.000+/-0.000 χ^2/NDF: 42.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 3116938.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

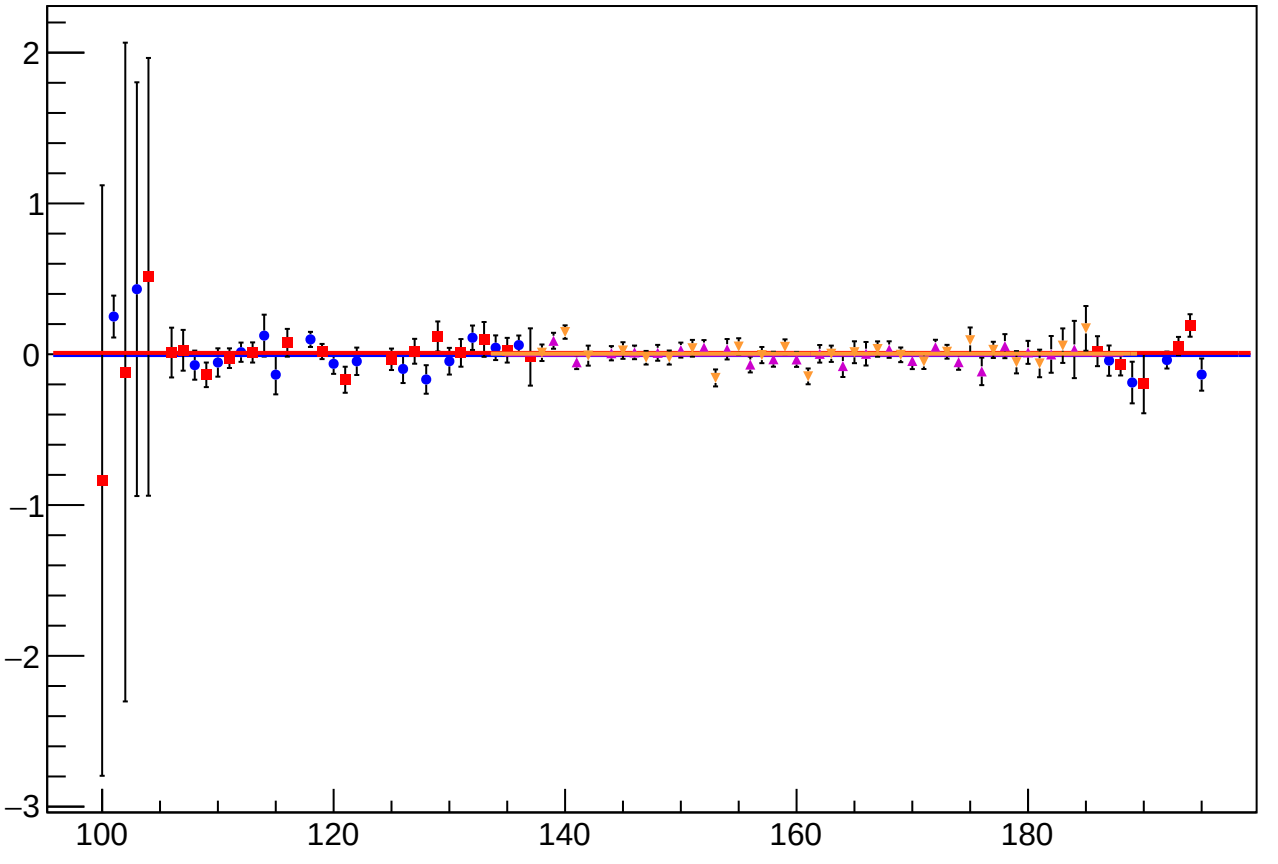
Right Out: 0.000+/-0.000 χ^2/NDF: 3838722.6/22

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: 12729246.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6601458.6/45



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

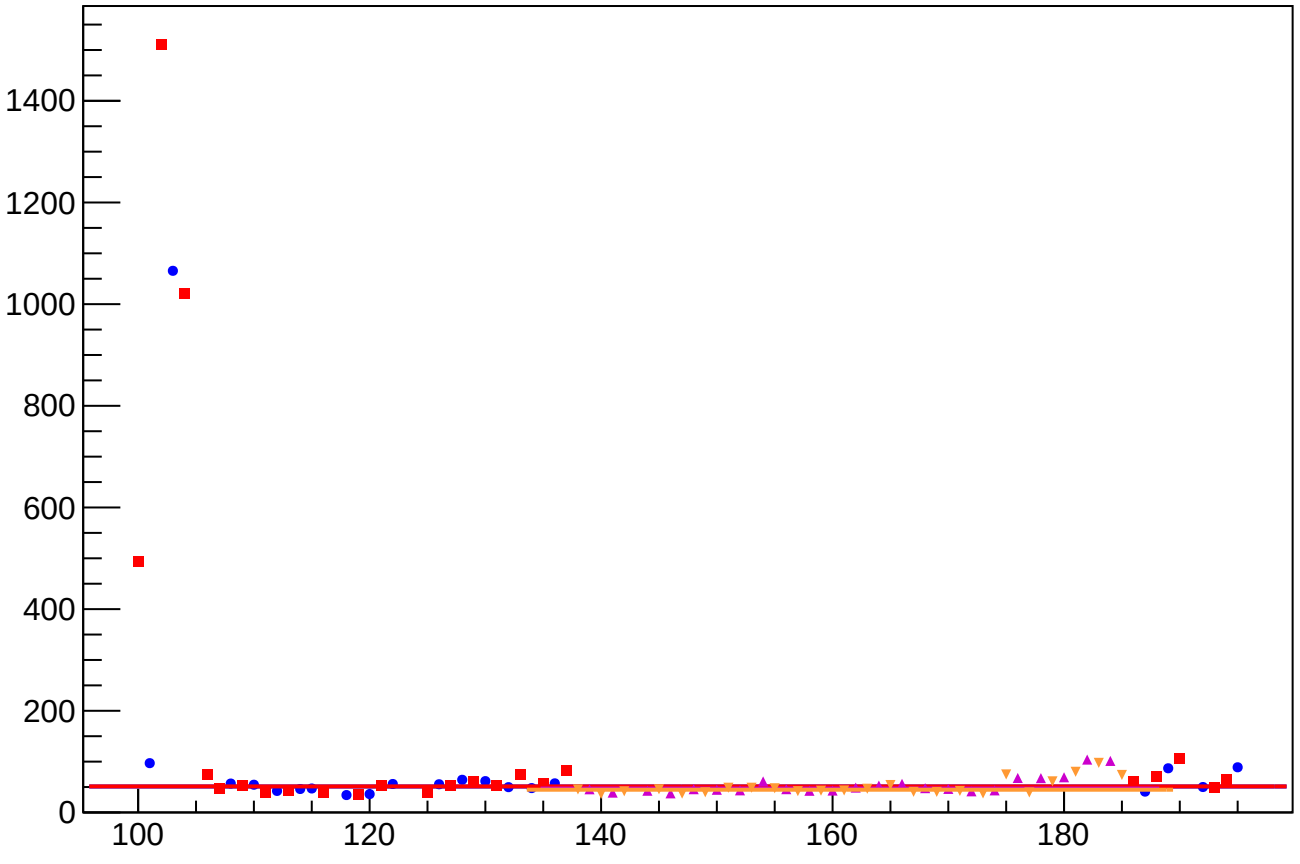
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

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: 92.1/89

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

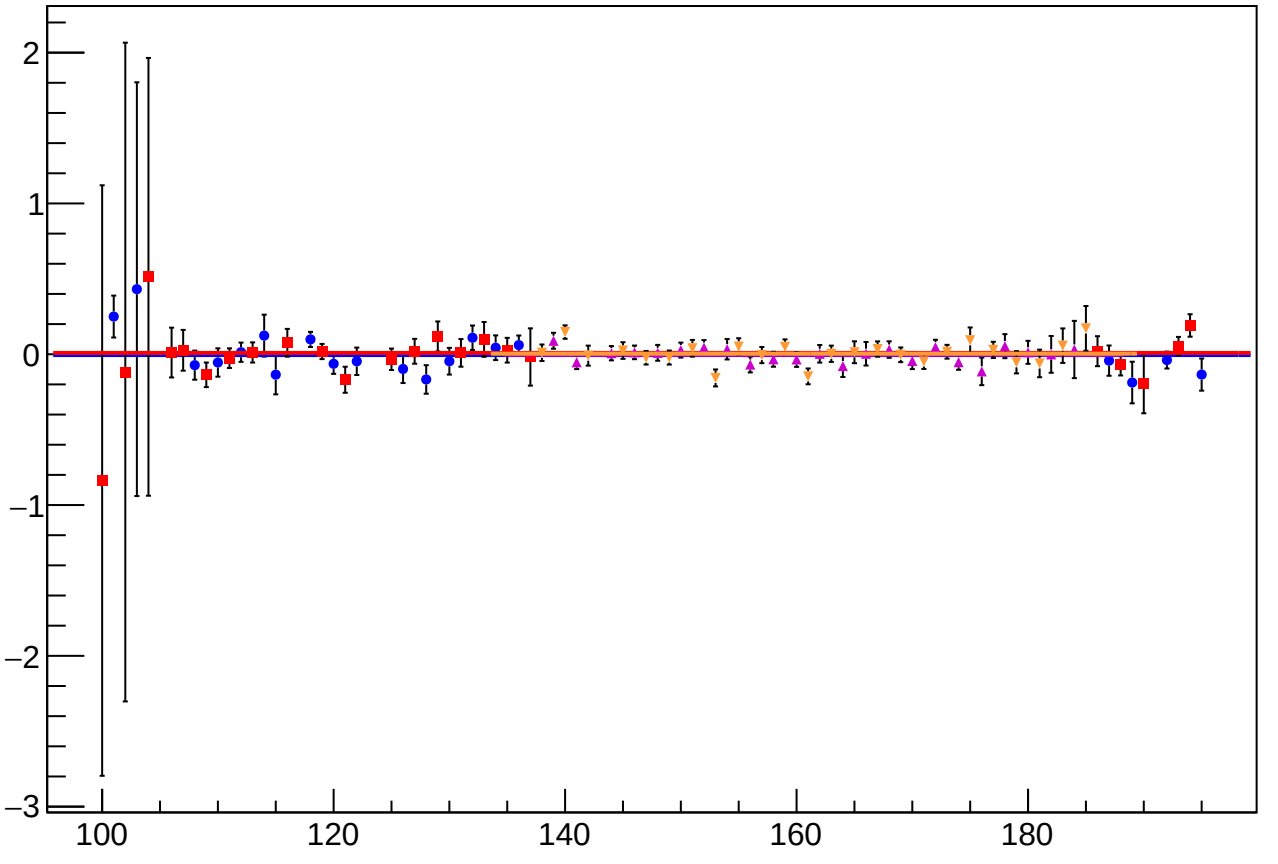
Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.454+/-0.007 χ^2/NDF: 3843062.2/43

All: 47.343+/-0.005 χ^2/NDF: 8180481.2/89

- sign 48.272+/-0.007 χ^2/NDF: 4303843.1/45



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

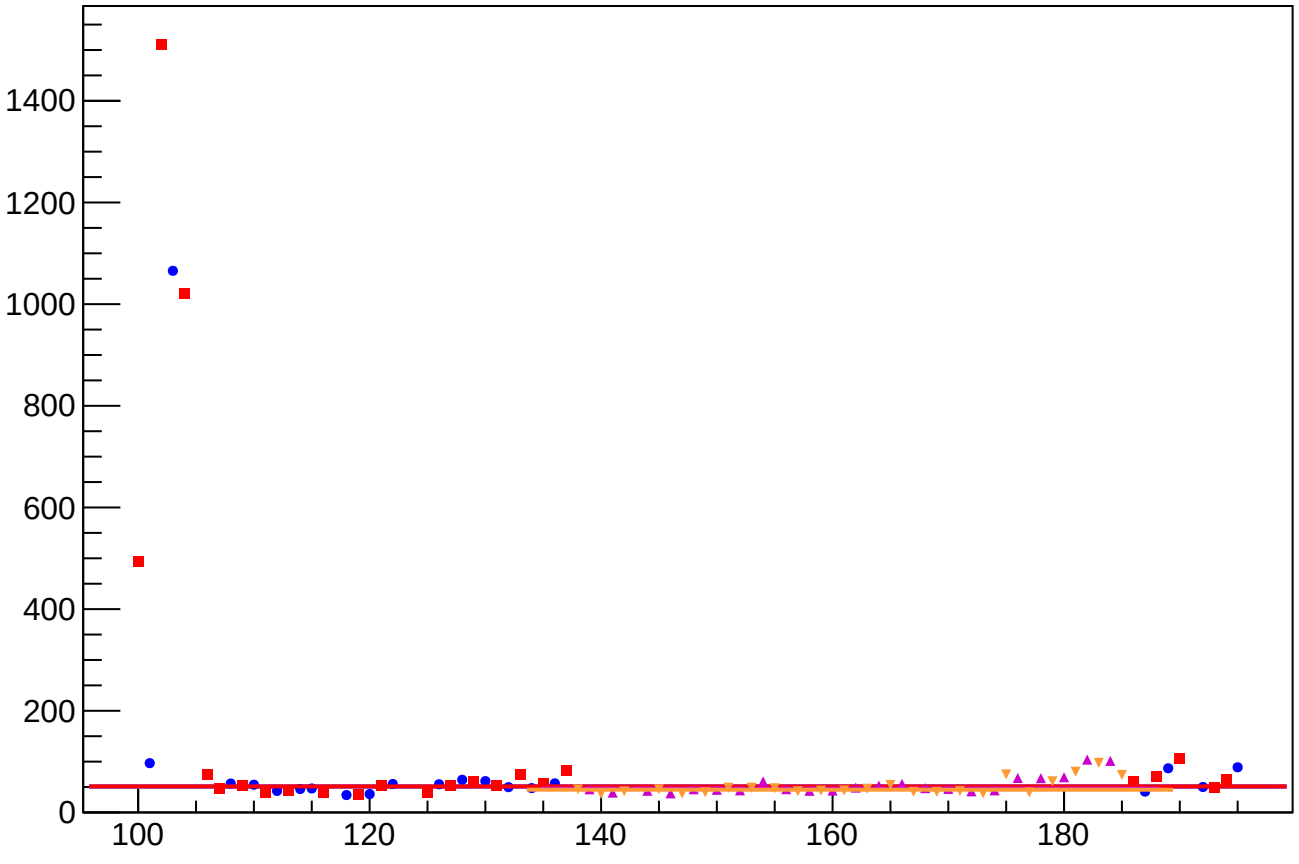
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

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: 92.1/89

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

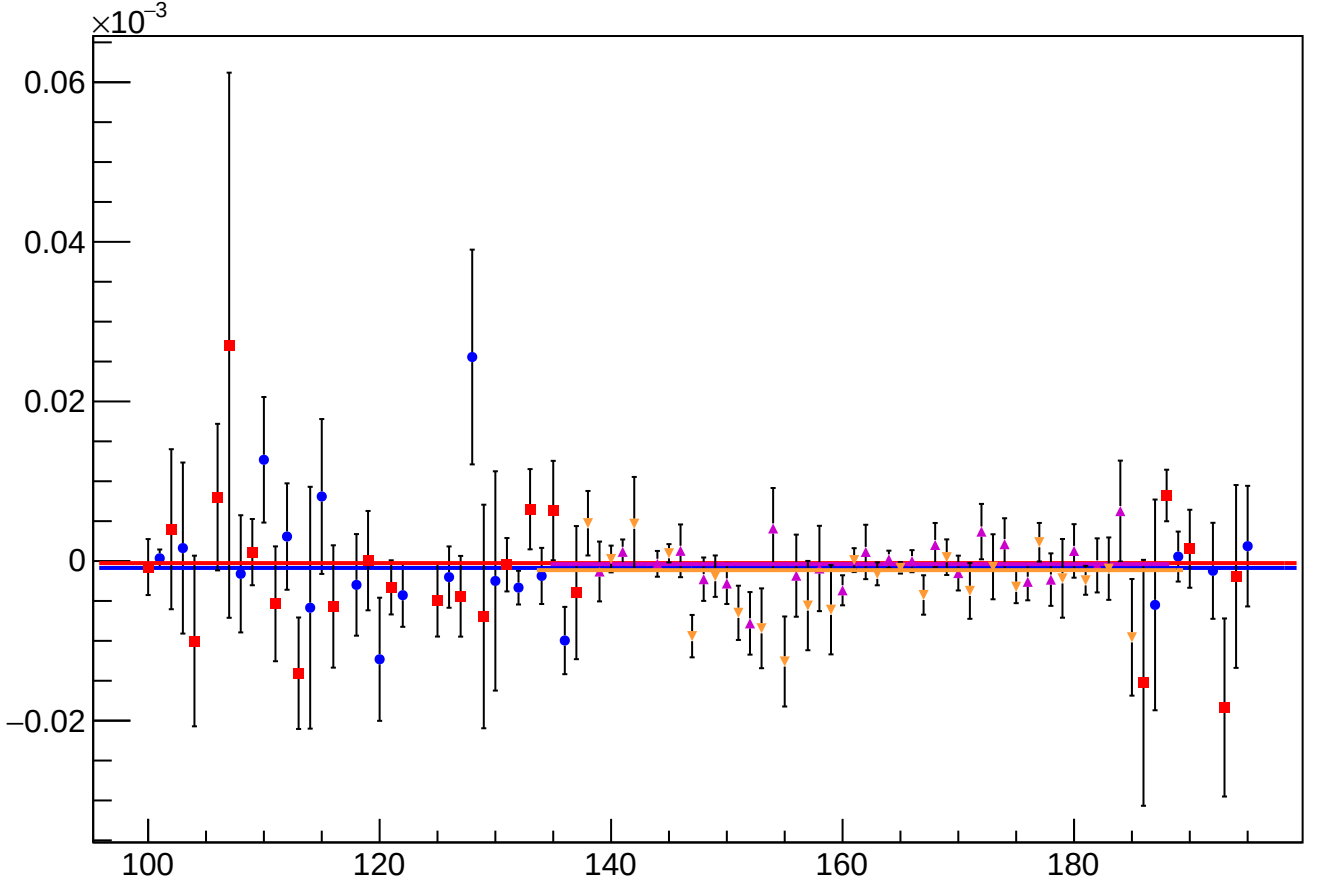
Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.454+/-0.007 χ^2/NDF: 3843062.2/43

All: 47.343+/-0.005 χ^2/NDF: 8180481.2/89

- sign 48.272+/-0.007 χ^2/NDF: 4303843.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

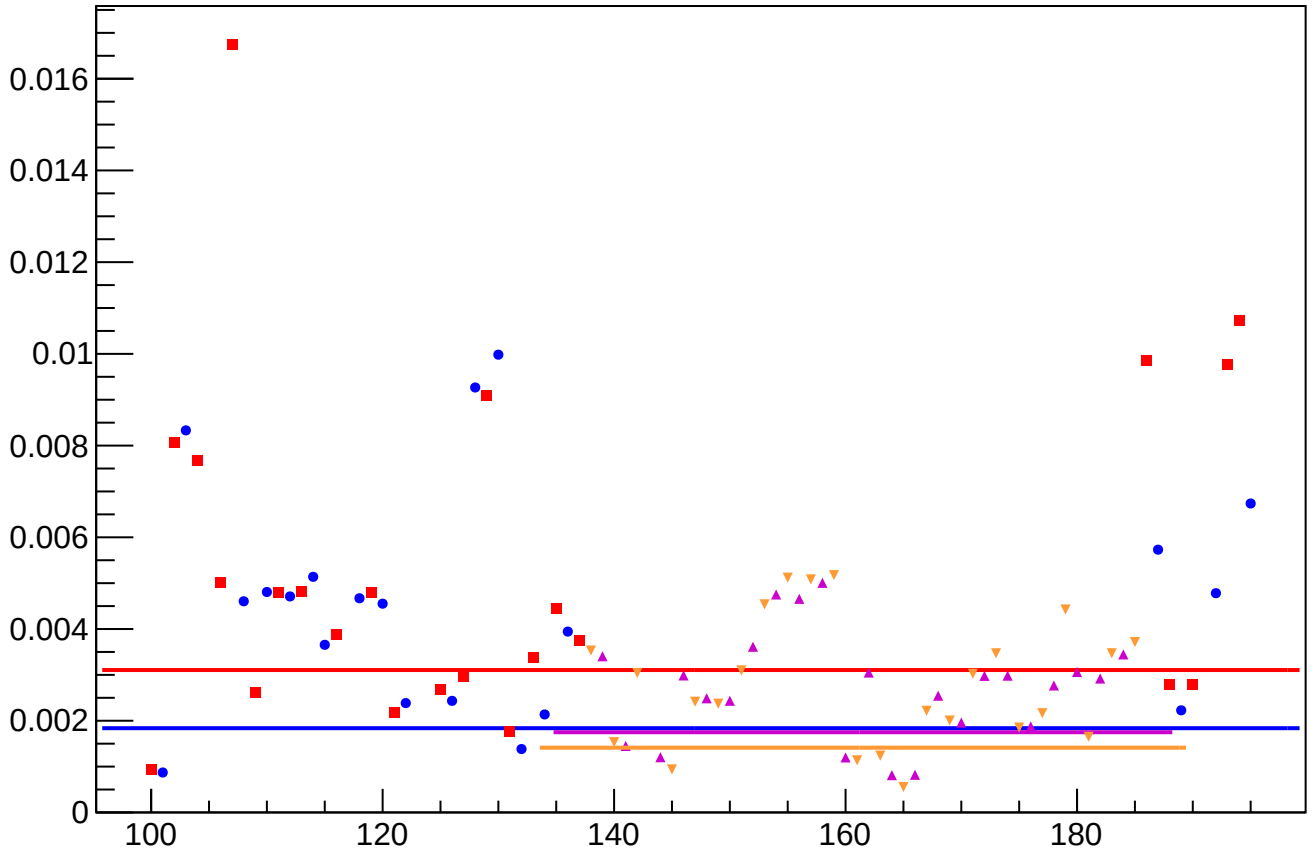
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/22

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: 96.8/89

- sign -0.000+/-0.000 χ^2/NDF: 40.3/45



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: 5417857.4/22

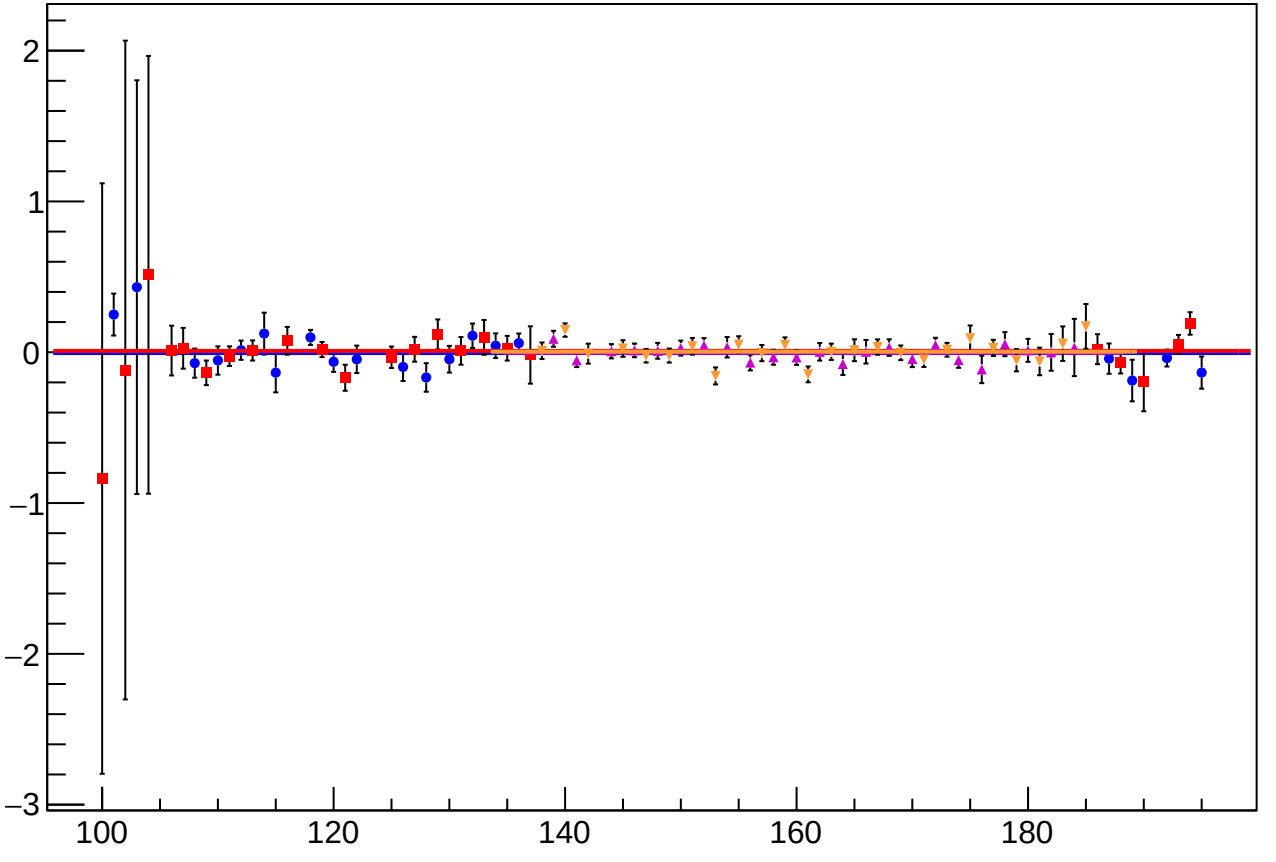
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 19600072.9/43

All: 0.002+/-0.000 χ^2/NDF: 36855964.8/89

- sign 0.002+/-0.000 χ^2/NDF: 16016627.2/45

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

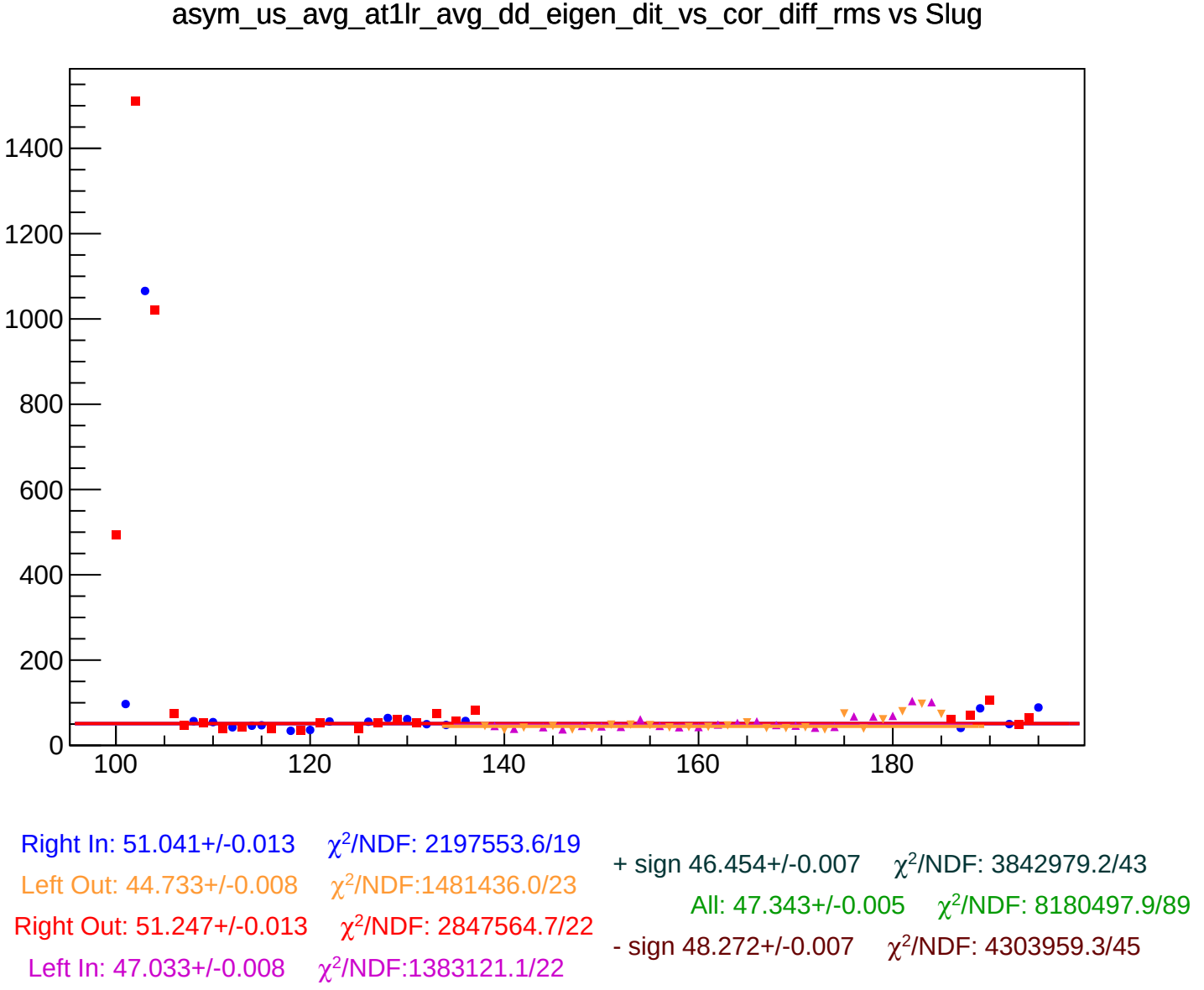
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

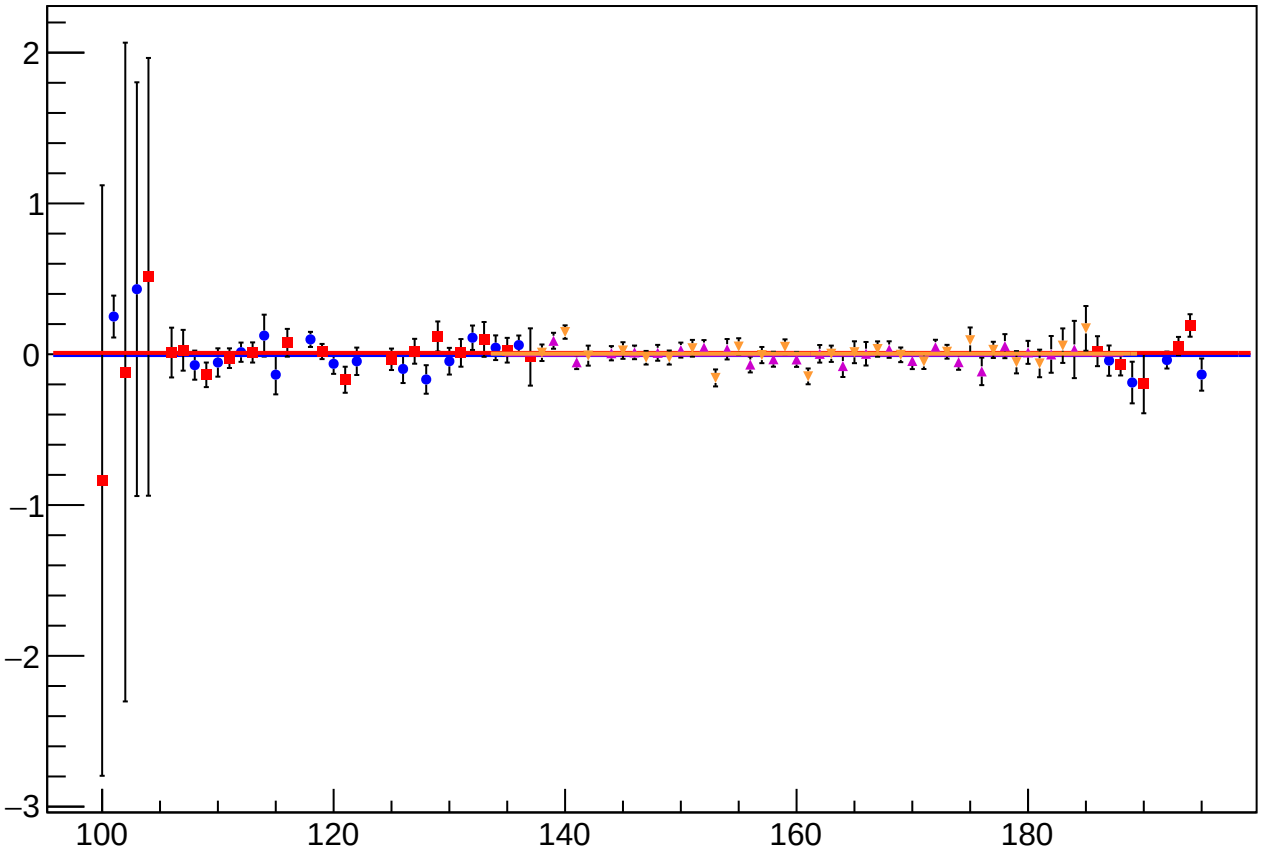
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.1/89

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
Right In: 51.041+/-0.013 χ²/NDF: 2197553.6/19
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 51.247+/-0.013 χ²/NDF: 2847564.7/22
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.454+/-0.007 χ²/NDF: 3842979.2/43
All: 47.343+/-0.005 χ²/NDF: 8180497.9/89
- sign 48.272+/-0.007 χ²/NDF: 4303959.3/45



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

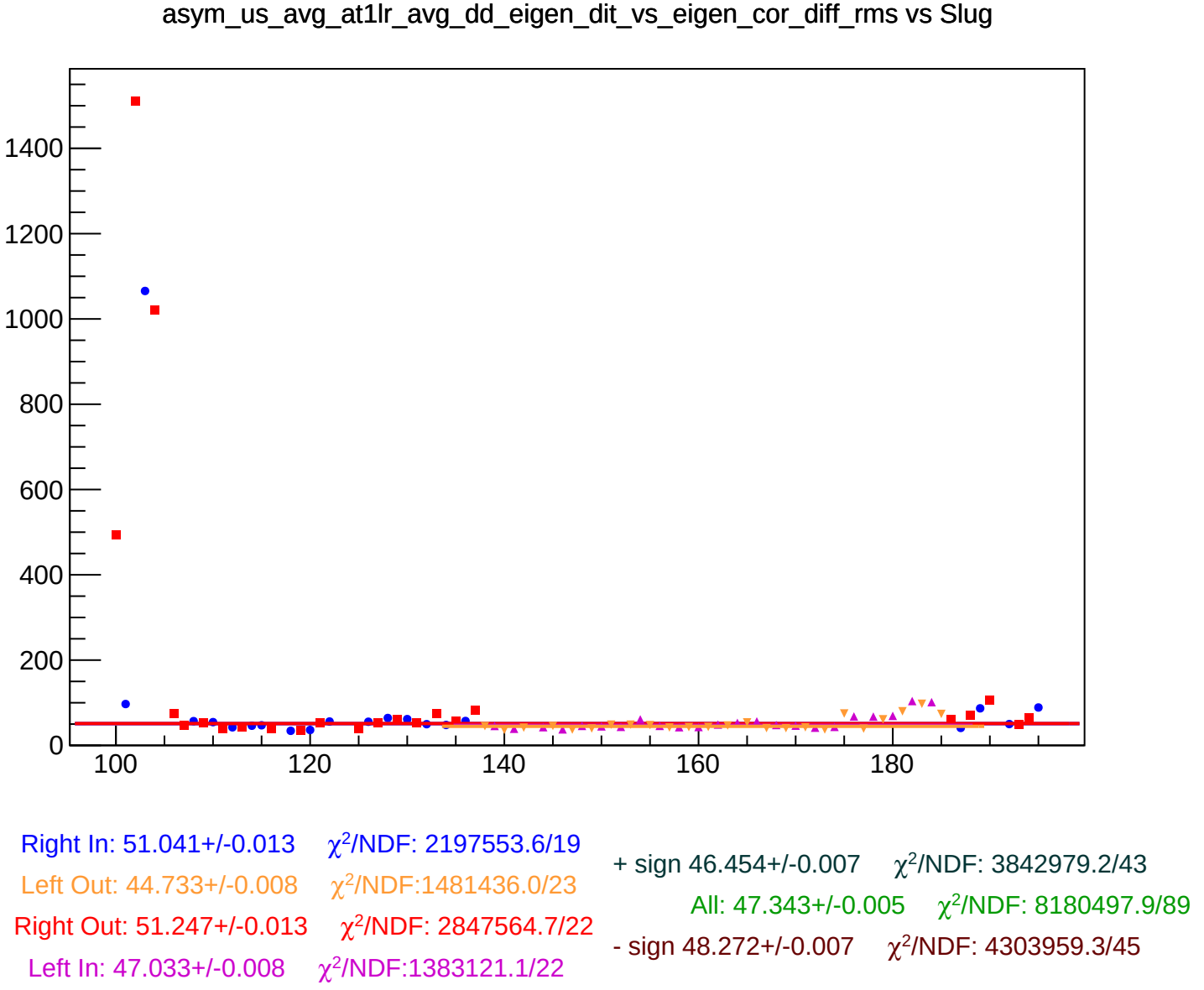
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

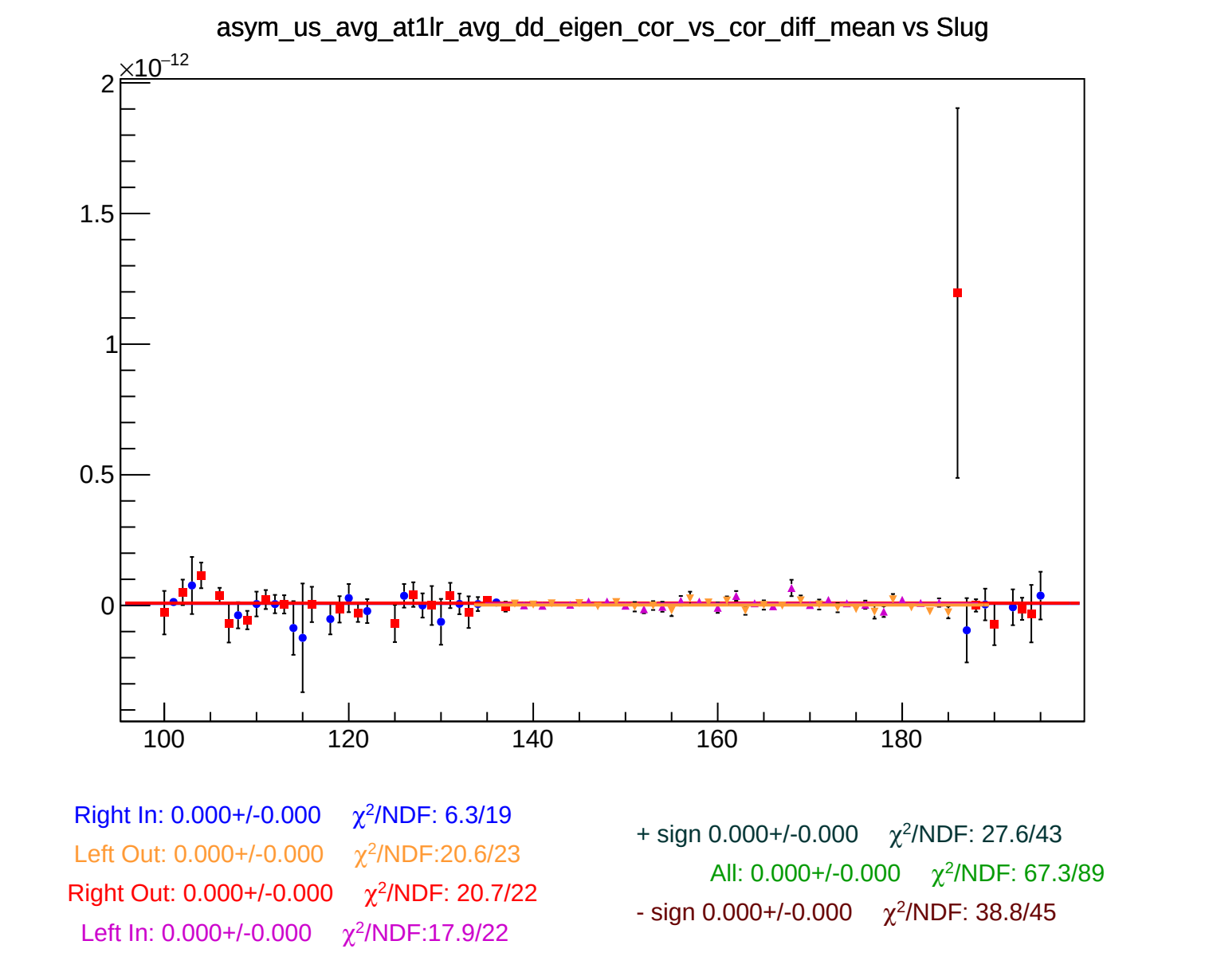
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

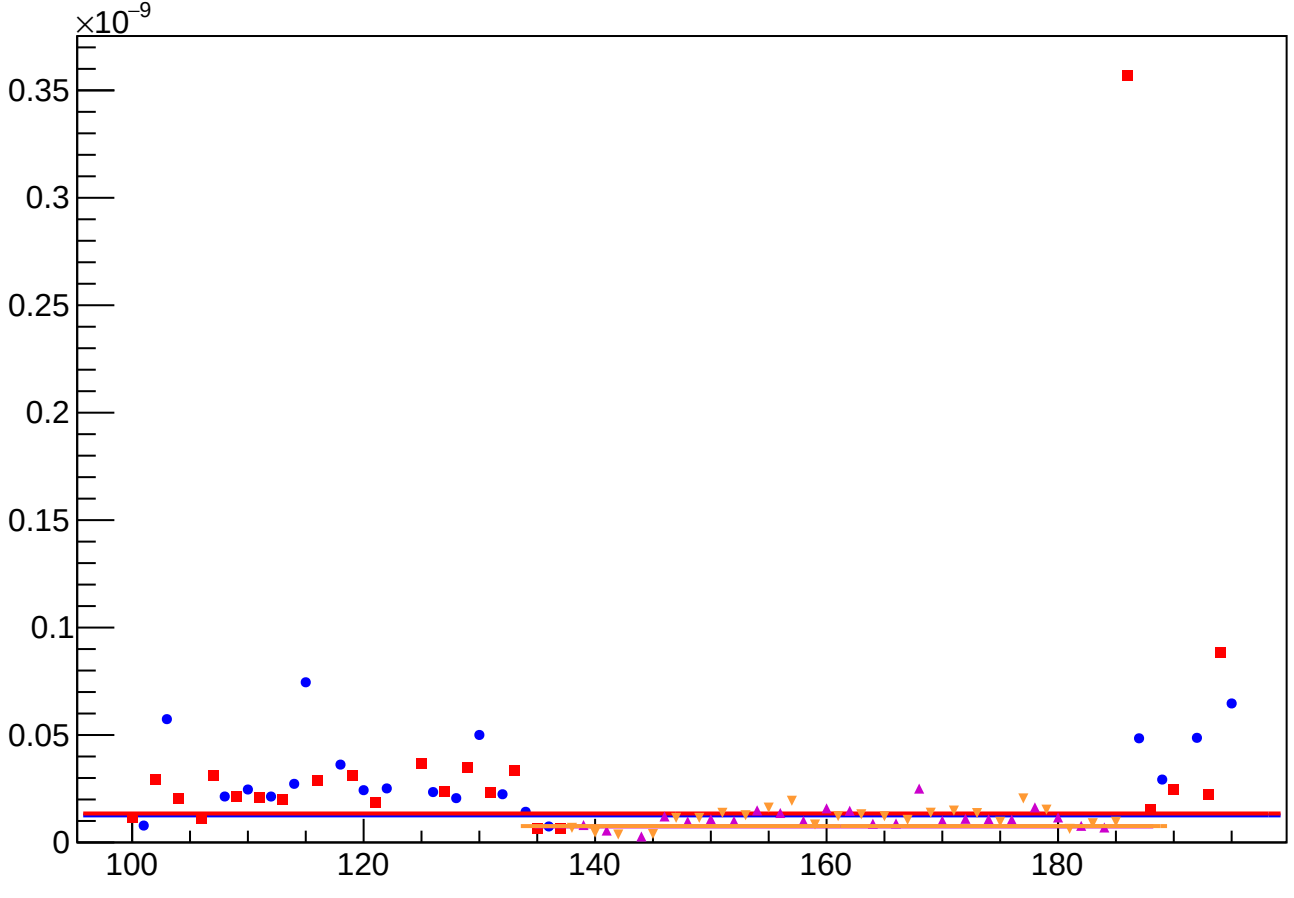
+ sign 0.001+/-0.010 χ^2/NDF: 57.9/43

All: 0.001+/-0.007 χ^2/NDF: 92.1/89

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45


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
Right In: 51.041+/-0.013 χ²/NDF: 2197553.6/19
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 51.247+/-0.013 χ²/NDF: 2847564.7/22
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.454+/-0.007 χ²/NDF: 3842979.2/43
All: 47.343+/-0.005 χ²/NDF: 8180497.9/89
- sign 48.272+/-0.007 χ²/NDF: 4303959.3/45


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
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: 20.7/22
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: 67.3/89
- sign 0.000+/-0.000 χ²/NDF: 38.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 4469391.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4489087.8/22

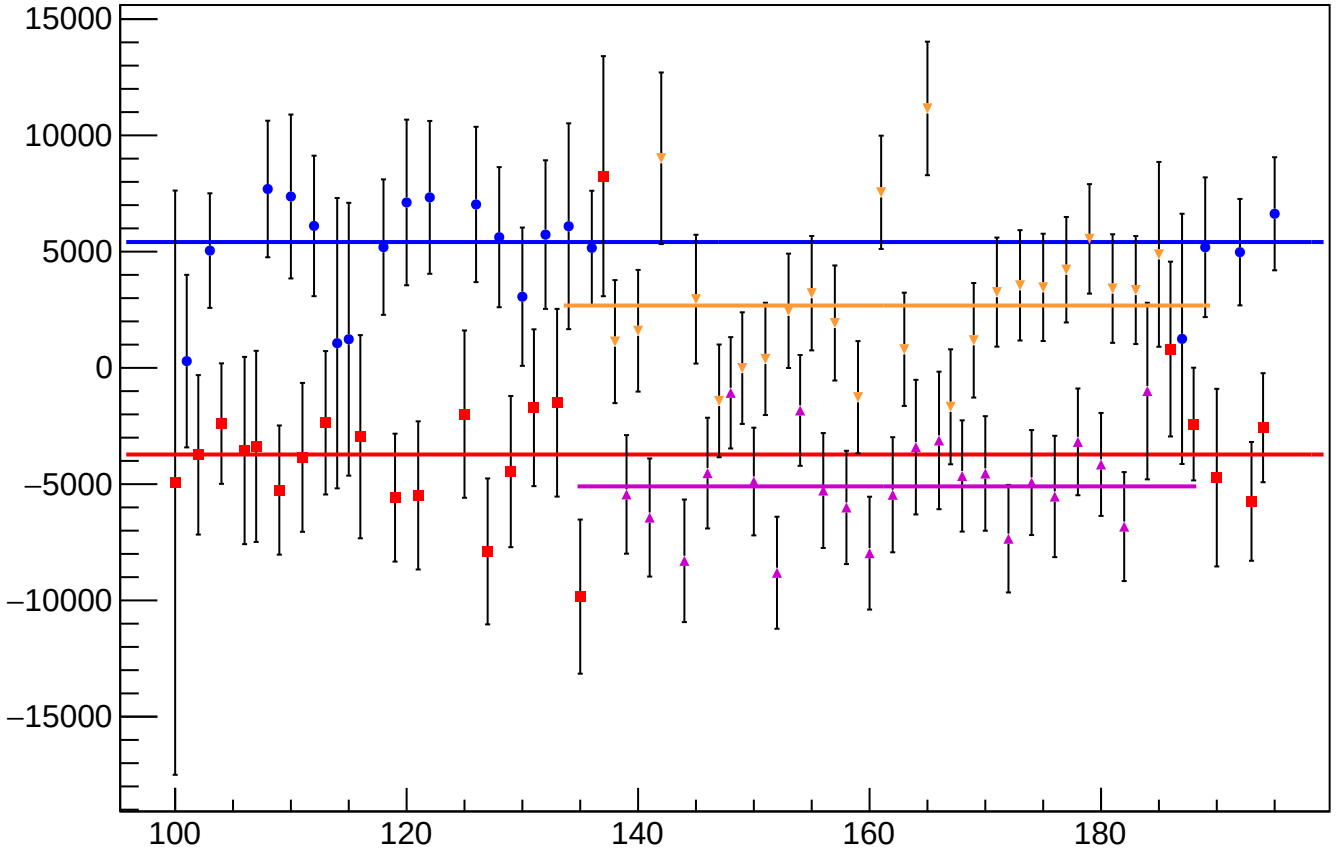
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11051022.7/43

All: 0.000+/-0.000 χ^2/NDF: 22920764.2/89

- sign 0.000+/-0.000 χ^2/NDF: 11868416.6/45

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: -3724.982+/-678.433 χ^2/NDF: 15.7/22

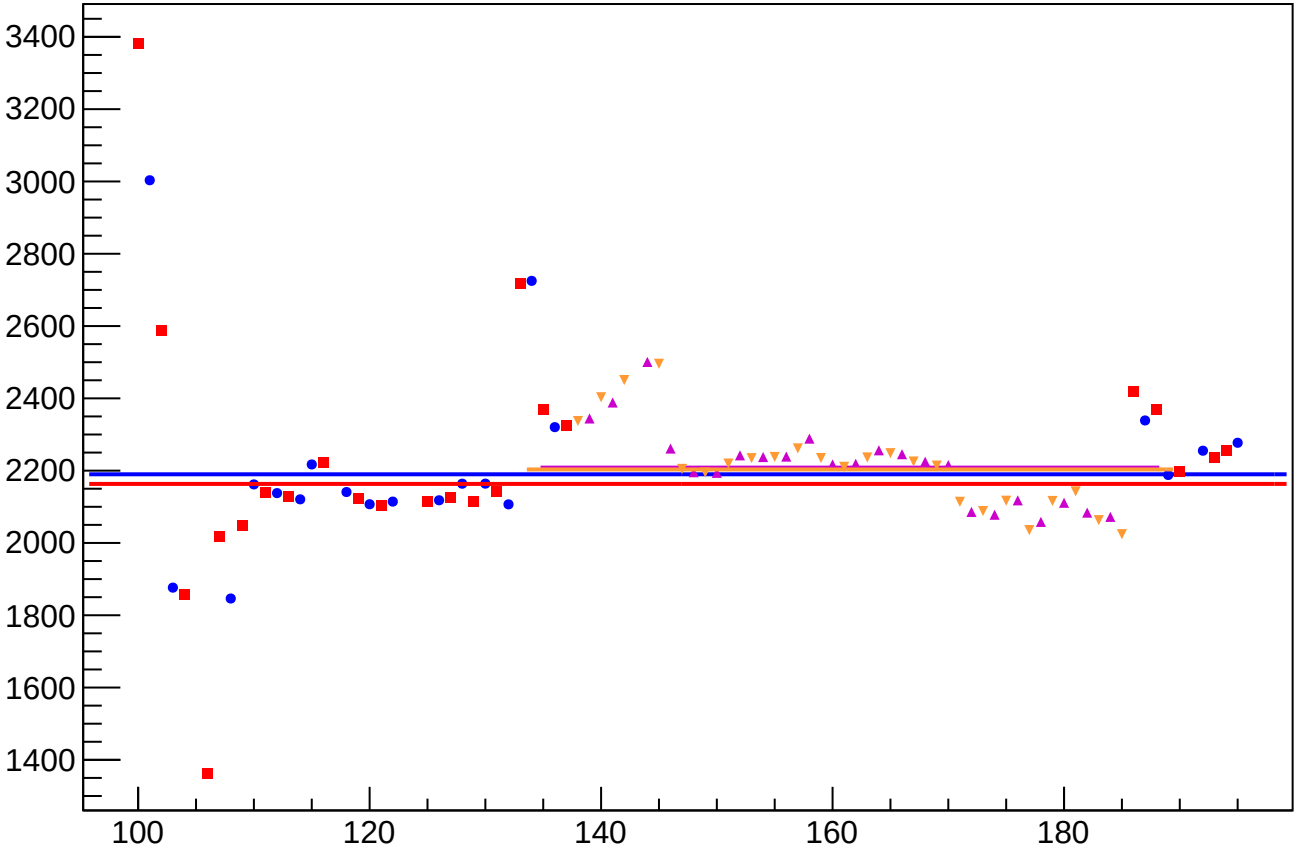
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.814+/-413.999 χ^2/NDF: 46.9/43

All: -514.517+/-291.612 χ^2/NDF: 278.9/89

- sign -4593.537+/-410.823 χ^2/NDF: 33.2/45

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

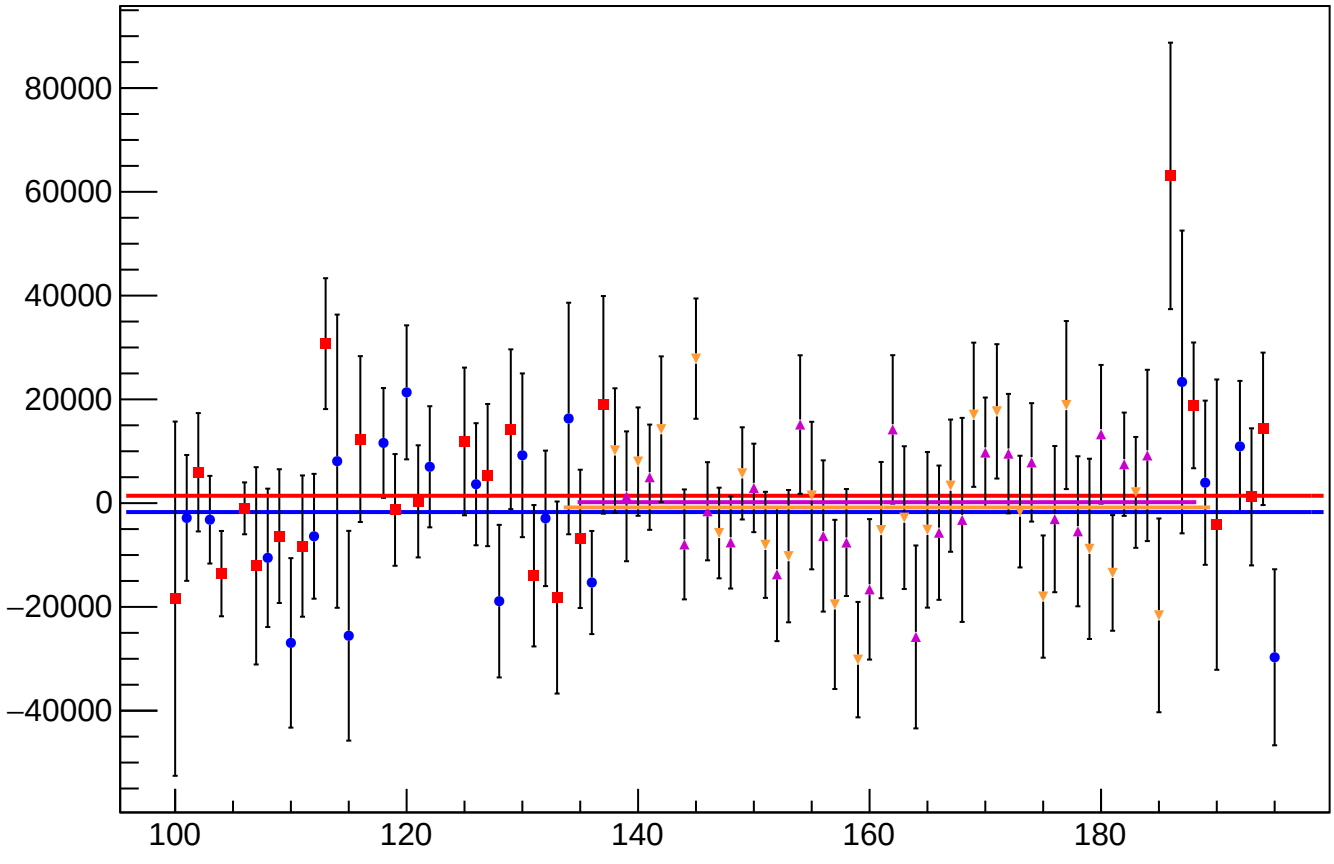
Right Out: 2163.312+/-0.474 χ^2/NDF: 304732.0/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.5/43

All: 2195.101+/-0.206 χ^2/NDF: 683123.2/89

- sign 2191.616+/-0.289 χ^2/NDF: 391395.9/45



Right In: -1720.231+/-2990.122 χ^2/NDF: 19.0/19

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

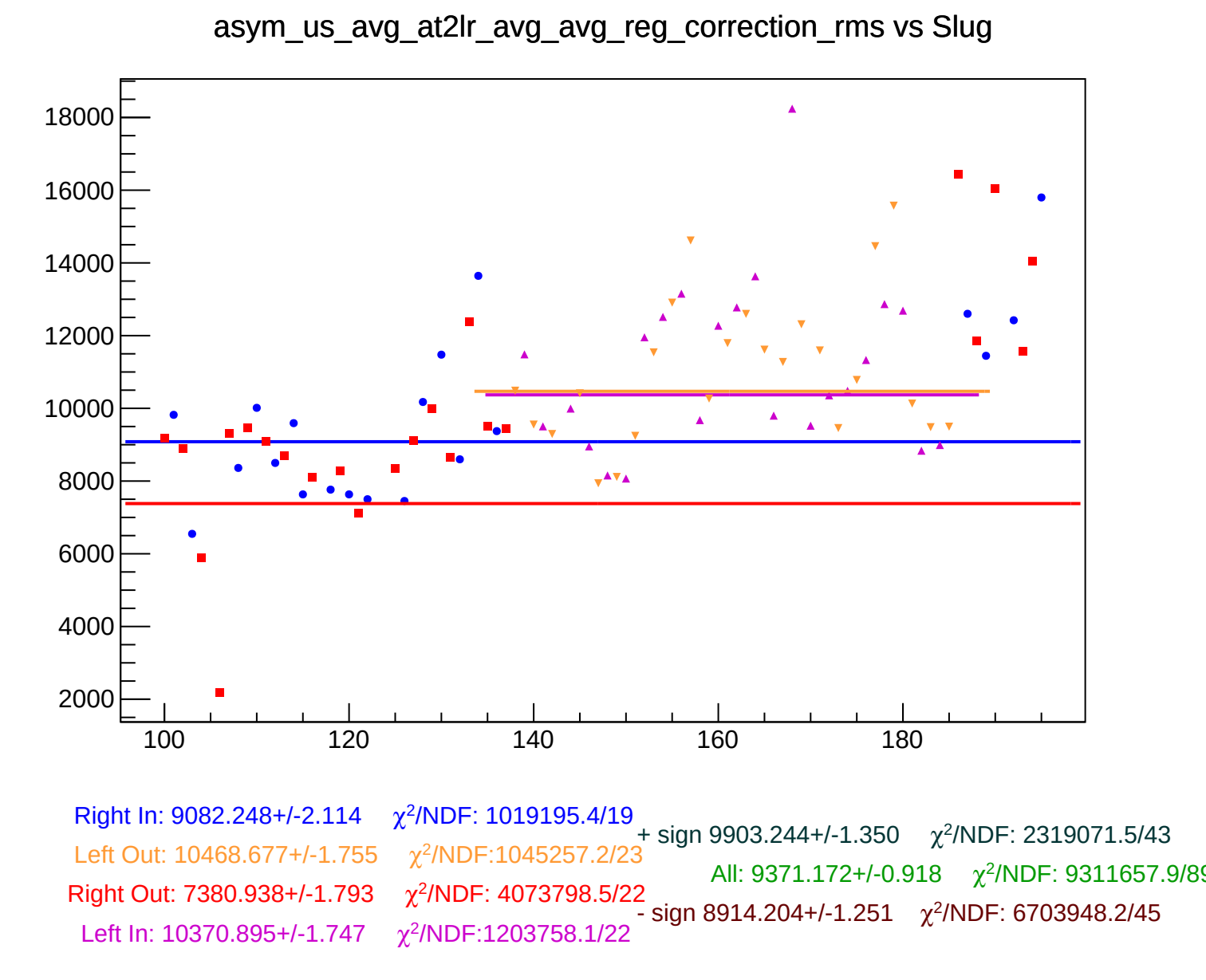
Right Out: 1422.175+/-2535.344 χ^2/NDF: 24.8/22

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

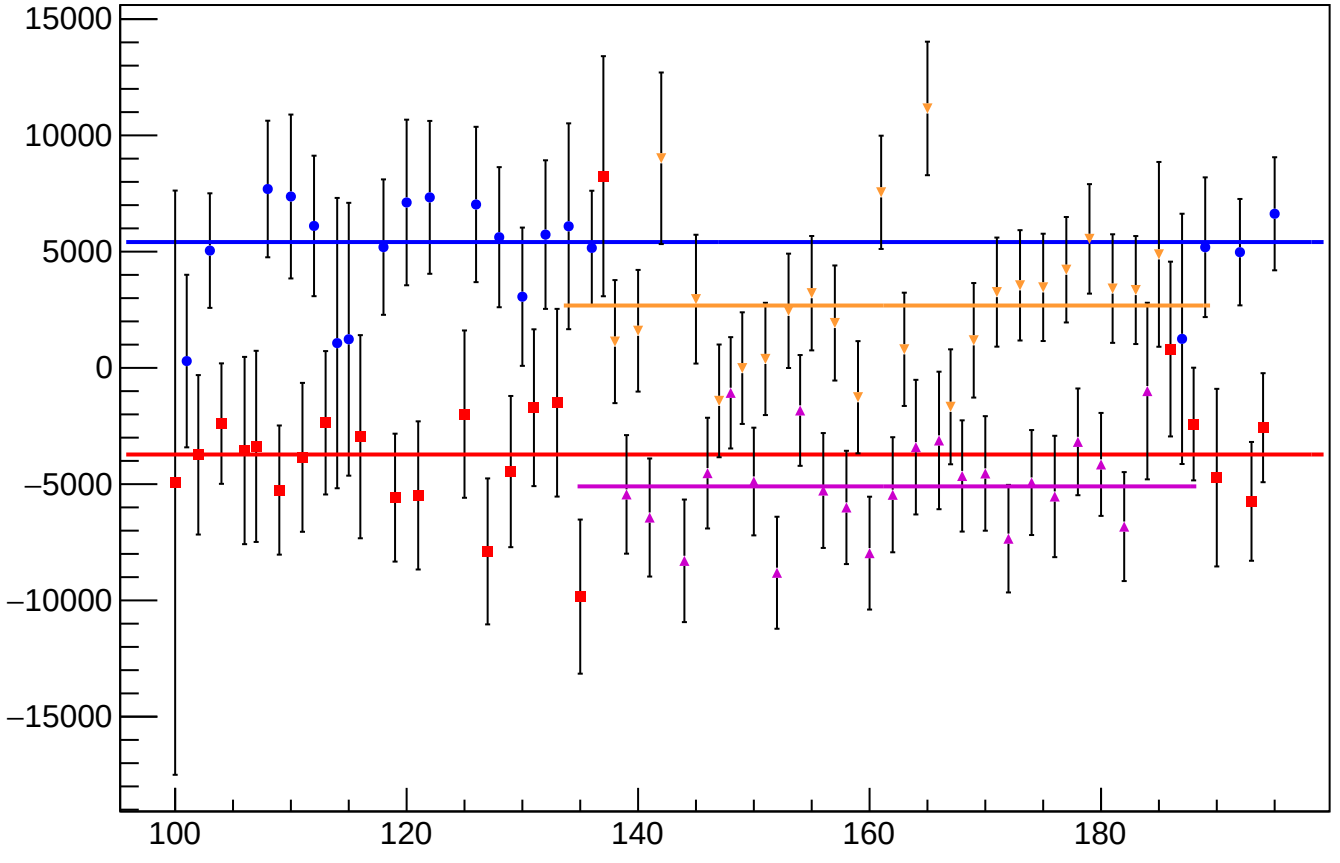
+ sign -1195.130+/-1909.548 χ^2/NDF: 48.6/43

All: -129.116+/-1297.976 χ^2/NDF: 87.8/89

- sign 786.425+/-1769.653 χ^2/NDF: 38.7/45


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
Right In: 9082.248+/-2.114 χ²/NDF: 1019195.4/19
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7380.938+/-1.793 χ²/NDF: 4073798.5/22
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 9903.244+/-1.350 χ²/NDF: 2319071.5/43
All: 9371.172+/-0.918 χ²/NDF: 9311657.9/89
- sign 8914.204+/-1.251 χ²/NDF: 6703948.2/45

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: -3724.787+/-678.433 χ^2/NDF: 15.7/22

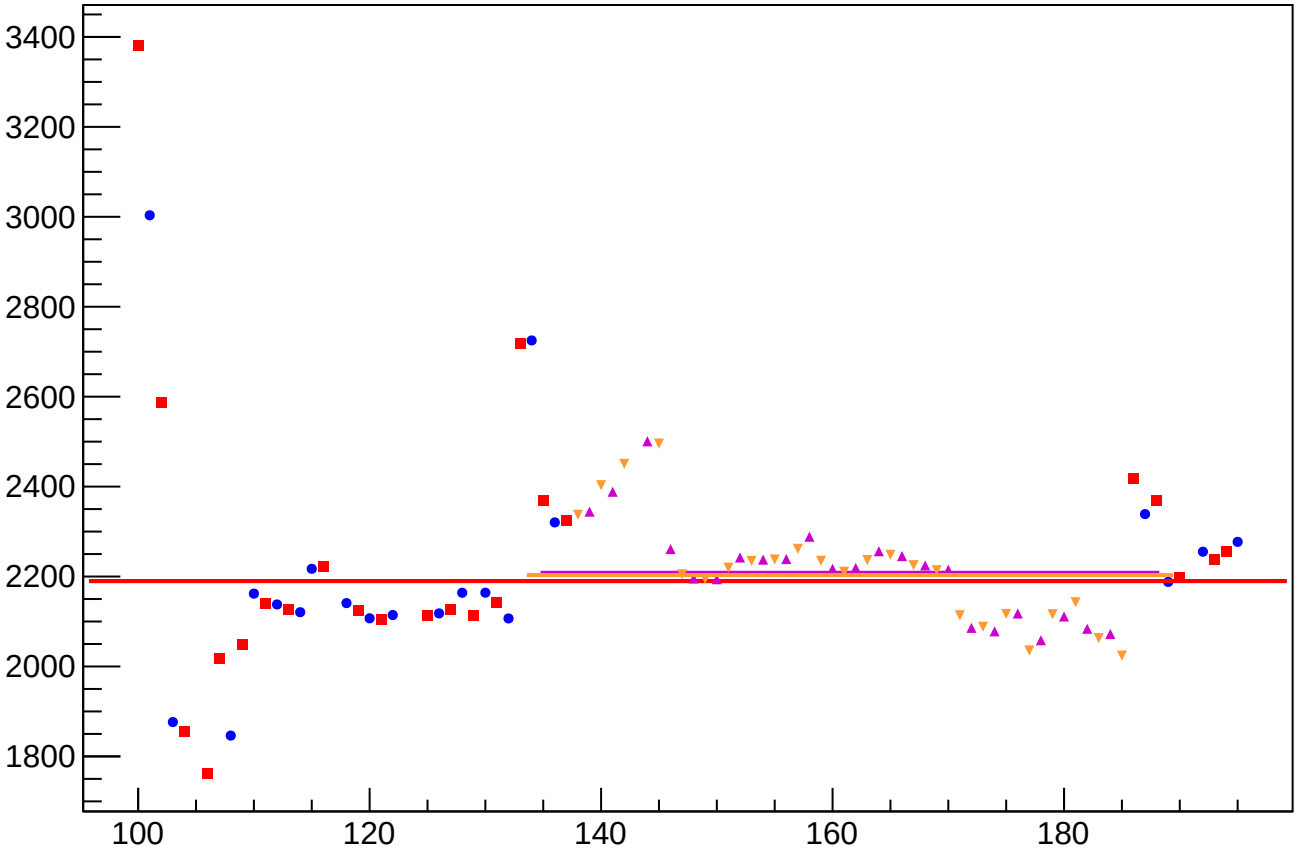
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.807+/-413.999 χ^2/NDF: 46.9/43

All: -514.455+/-291.612 χ^2/NDF: 278.9/89

- sign -4593.407+/-410.823 χ^2/NDF: 33.2/45

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

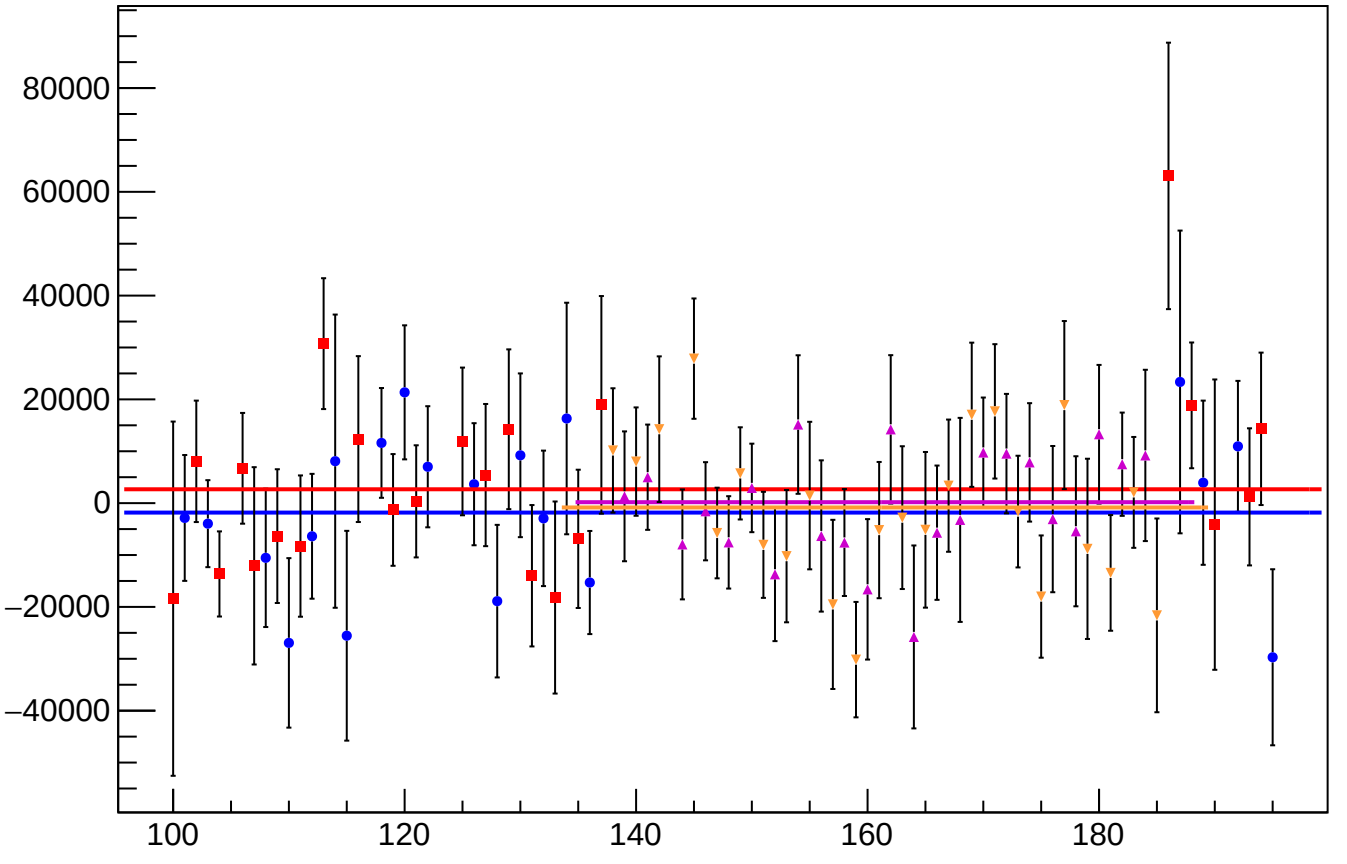
Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.9/43

All: 2200.136+/-0.206 χ^2/NDF: 557383.6/89

- sign 2201.575+/-0.290 χ^2/NDF: 265900.1/45



Right In: -1820.060+/-2987.243 χ^2/NDF: 19.1/19

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

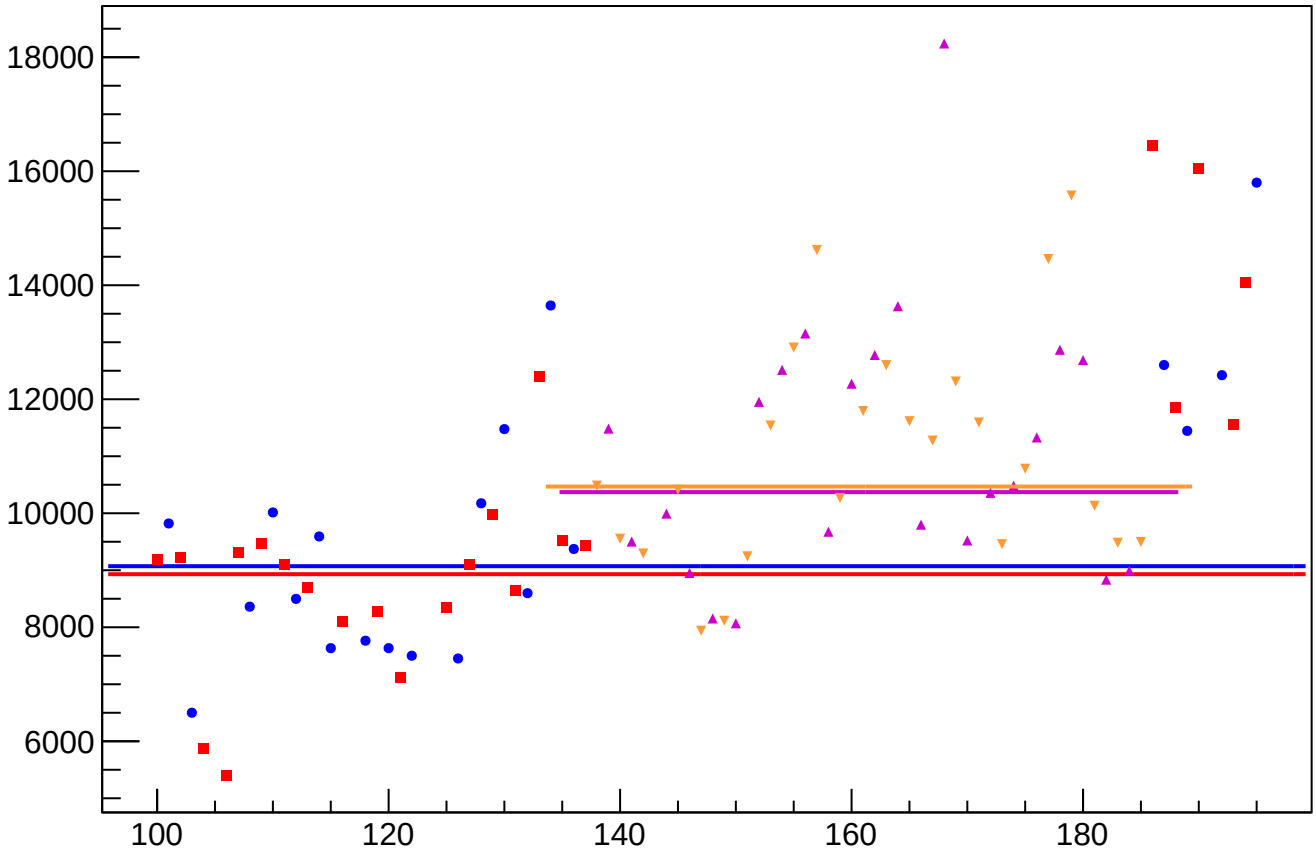
Right Out: 2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1236.287+/-1908.797 χ^2/NDF: 48.6/43

All: 39.086+/-1333.646 χ^2/NDF: 88.5/89

- sign 1255.449+/-1864.116 χ^2/NDF: 39.0/45



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: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

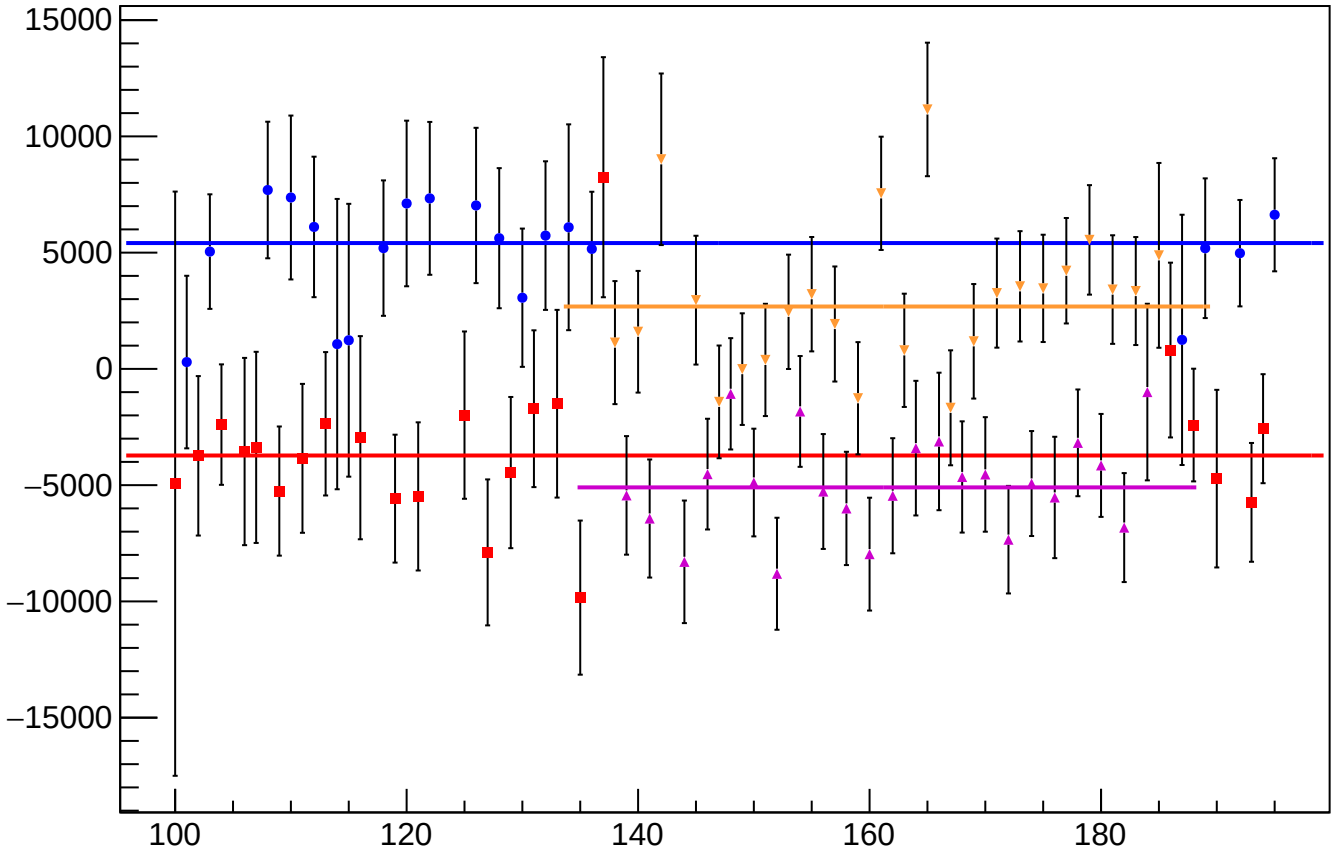
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9898.145+/-1.350 χ^2/NDF: 2332995.7/43

All: 9822.487+/-0.943 χ^2/NDF: 5234998.1/89

- sign 9750.330+/-1.318 χ^2/NDF: 2895863.6/45

eigen_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: -3724.787+/-678.433 χ^2/NDF: 15.7/22

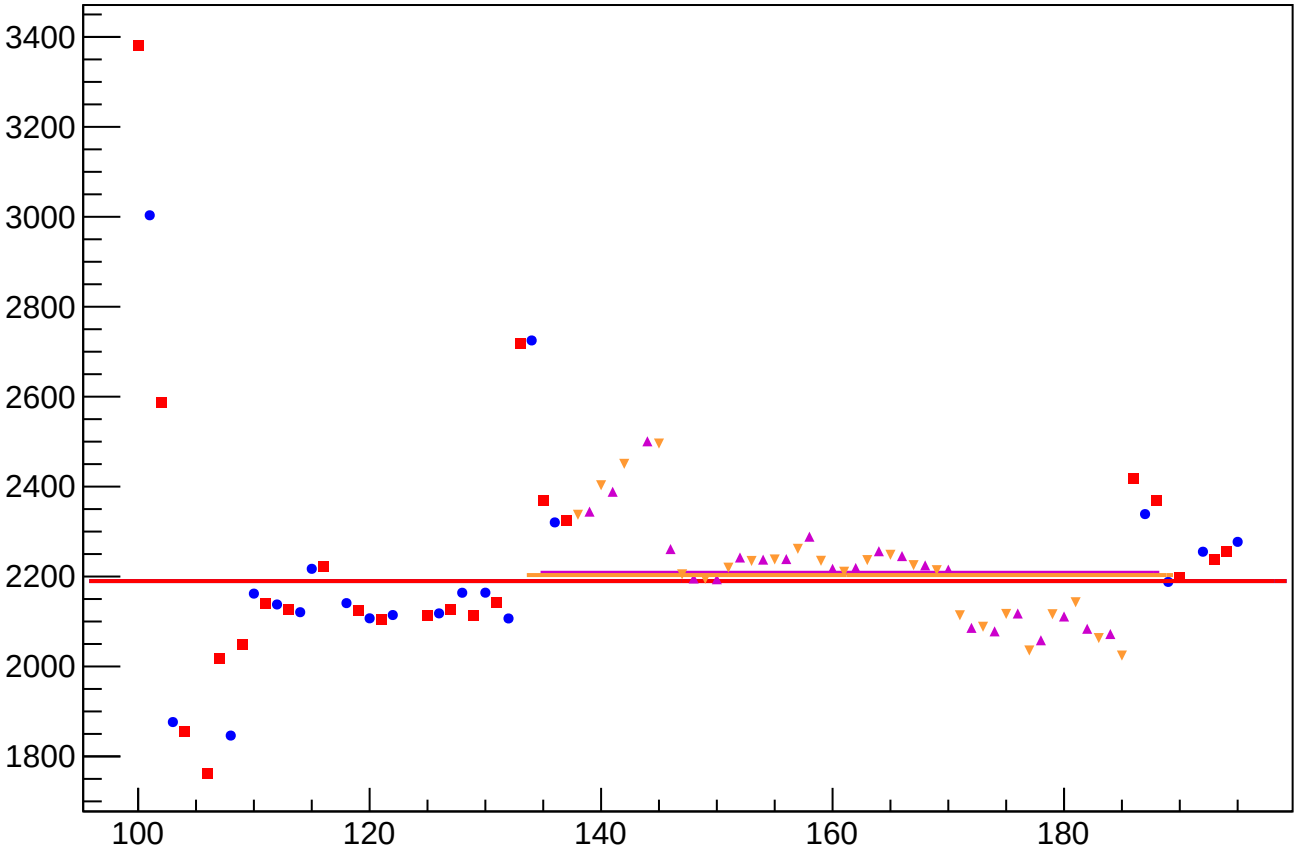
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3627.807+/-413.999 χ^2/NDF: 46.9/43

All: -514.455+/-291.612 χ^2/NDF: 278.9/89

- sign -4593.407+/-410.823 χ^2/NDF: 33.2/45

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

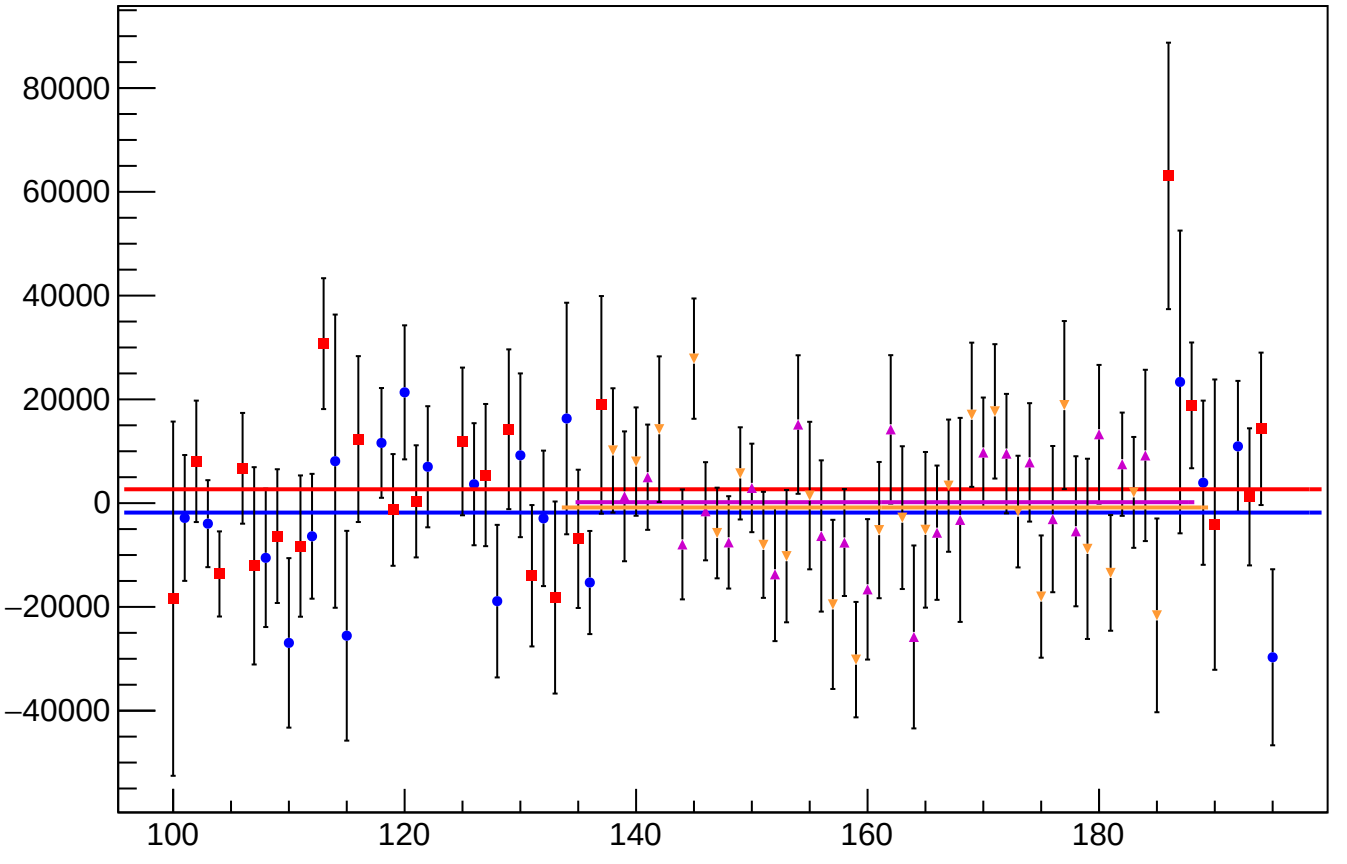
Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2198.670+/-0.293 χ^2/NDF: 291433.9/43

All: 2200.136+/-0.206 χ^2/NDF: 557383.6/89

- sign 2201.575+/-0.290 χ^2/NDF: 265900.1/45



Right In: -1820.060+/-2987.243 χ^2/NDF: 19.1/19

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

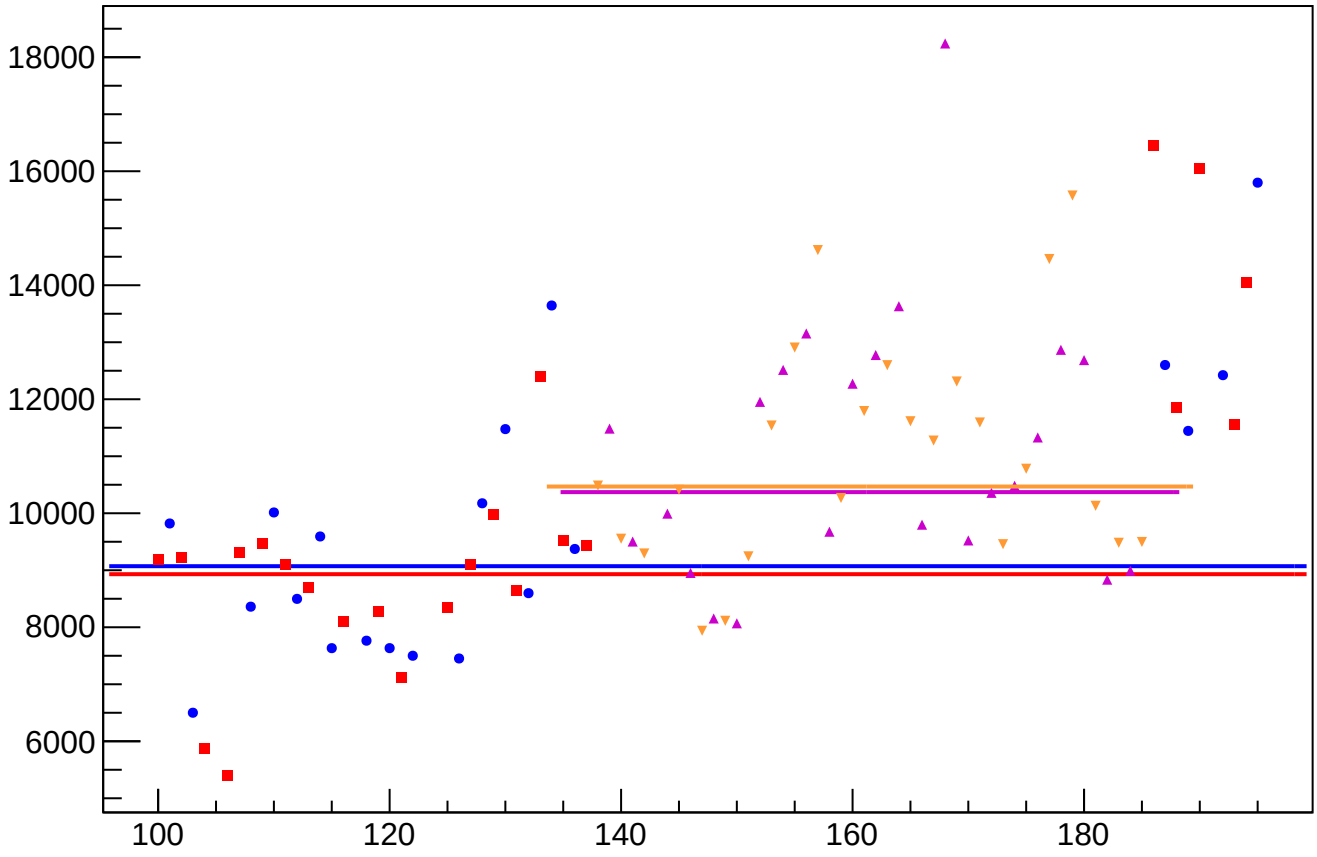
Right Out: 2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1236.287+/-1908.797 χ^2/NDF: 48.6/43

All: 39.086+/-1333.646 χ^2/NDF: 88.5/89

- sign 1255.449+/-1864.116 χ^2/NDF: 39.0/45



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: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

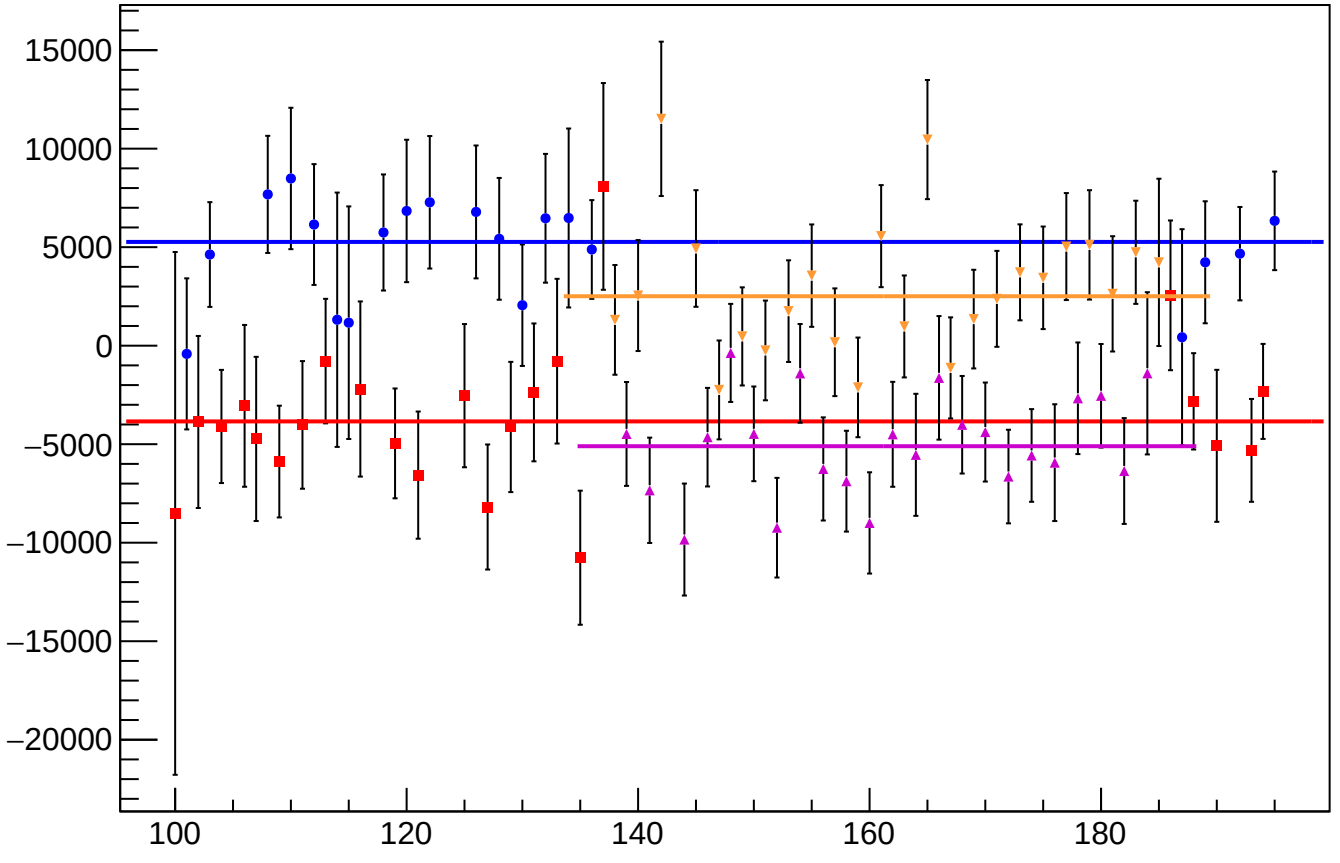
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9898.145+/-1.350 χ^2/NDF: 2332995.7/43

All: 9822.487+/-0.943 χ^2/NDF: 5234998.1/89

- sign 9750.330+/-1.318 χ^2/NDF: 2895863.6/45

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



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: -3843.671+/-699.784 χ^2/NDF: 18.5/22

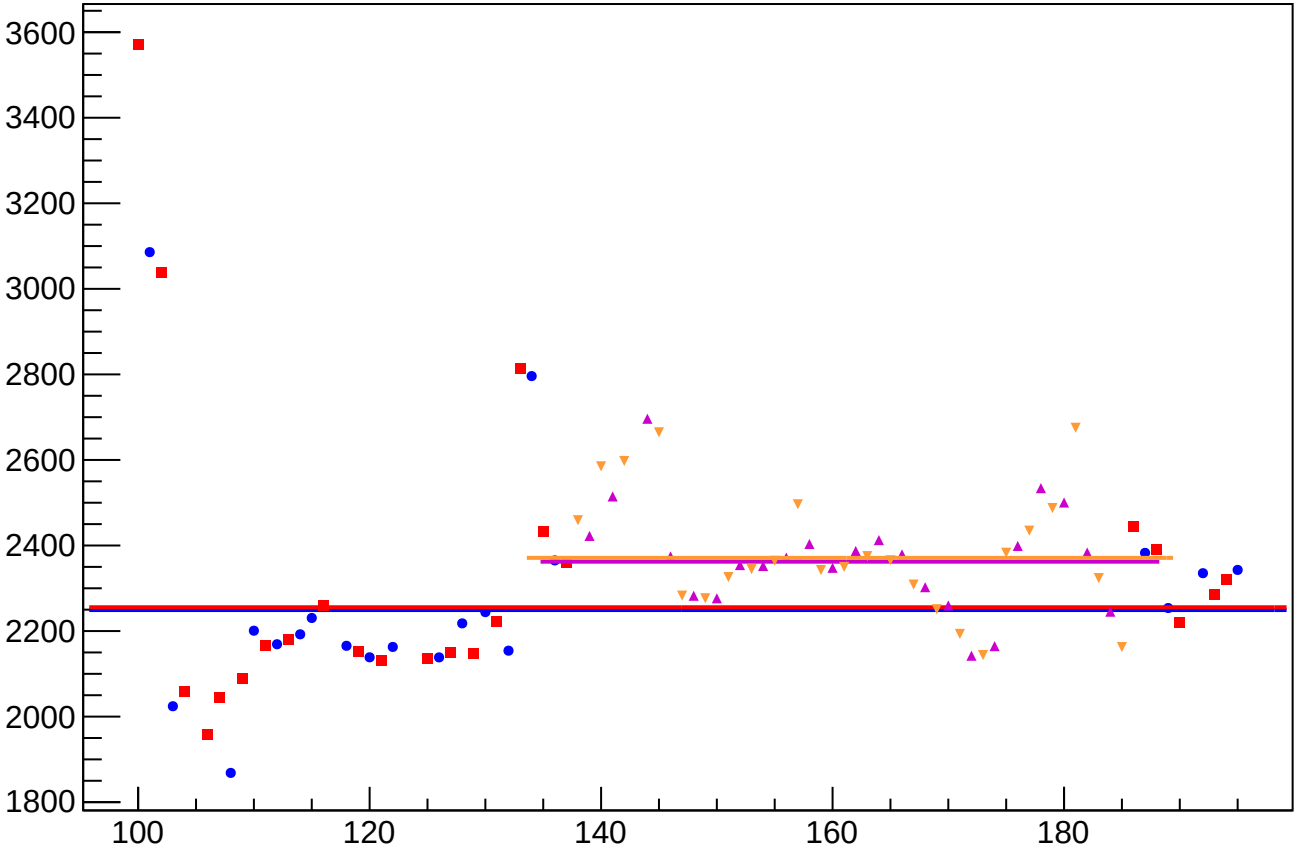
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3523.741+/-438.498 χ^2/NDF: 46.9/43

All: -592.814+/-308.346 χ^2/NDF: 261.7/89

- sign -4619.334+/-433.676 χ^2/NDF: 40.4/45

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

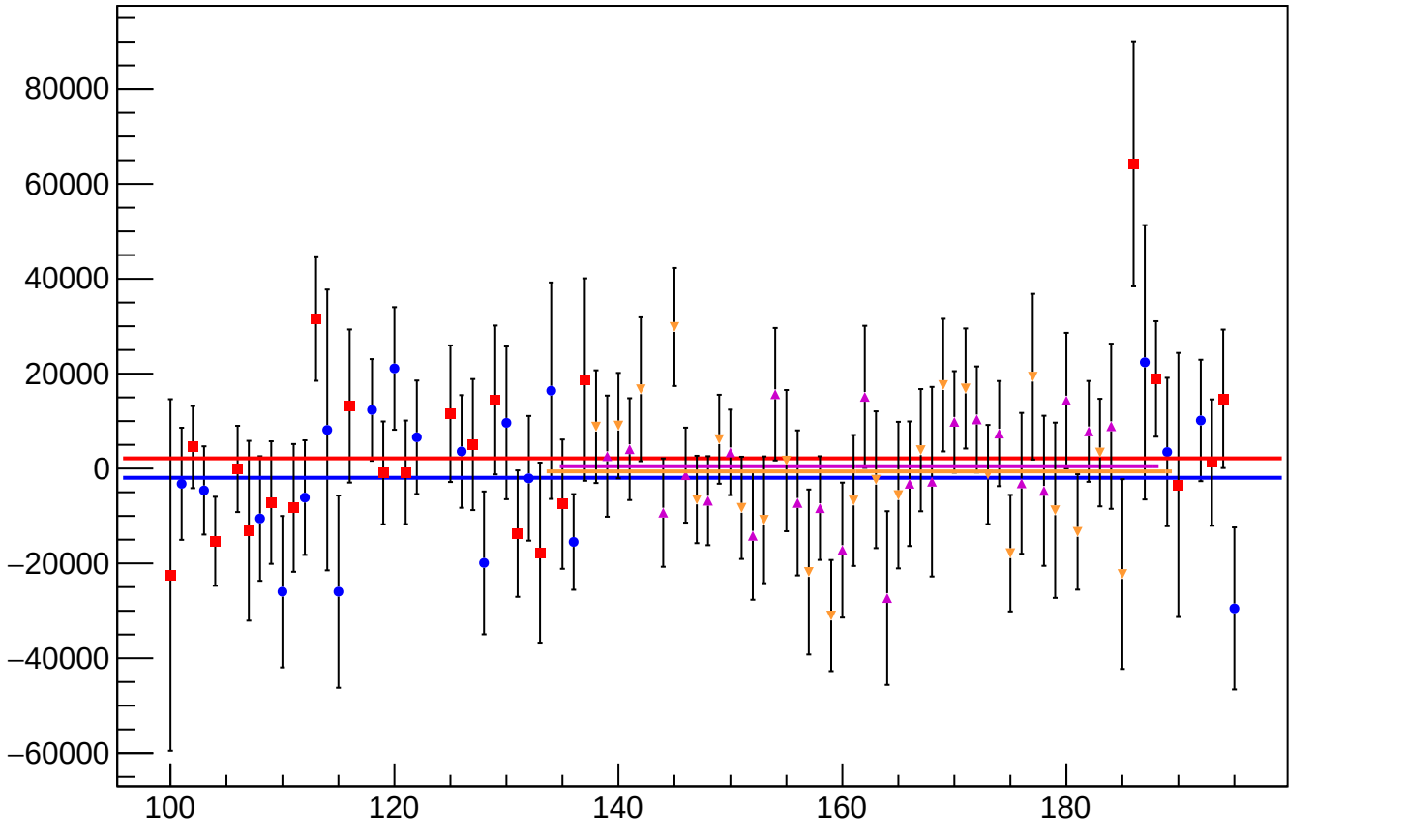
Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.228+/-0.310 χ^2/NDF: 345369.4/43

All: 2323.721+/-0.218 χ^2/NDF: 652121.7/89

- sign 2321.270+/-0.307 χ^2/NDF: 306623.1/45



Right In: -1950.359+/-3039.620 χ^2/NDF: 18.8/19

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

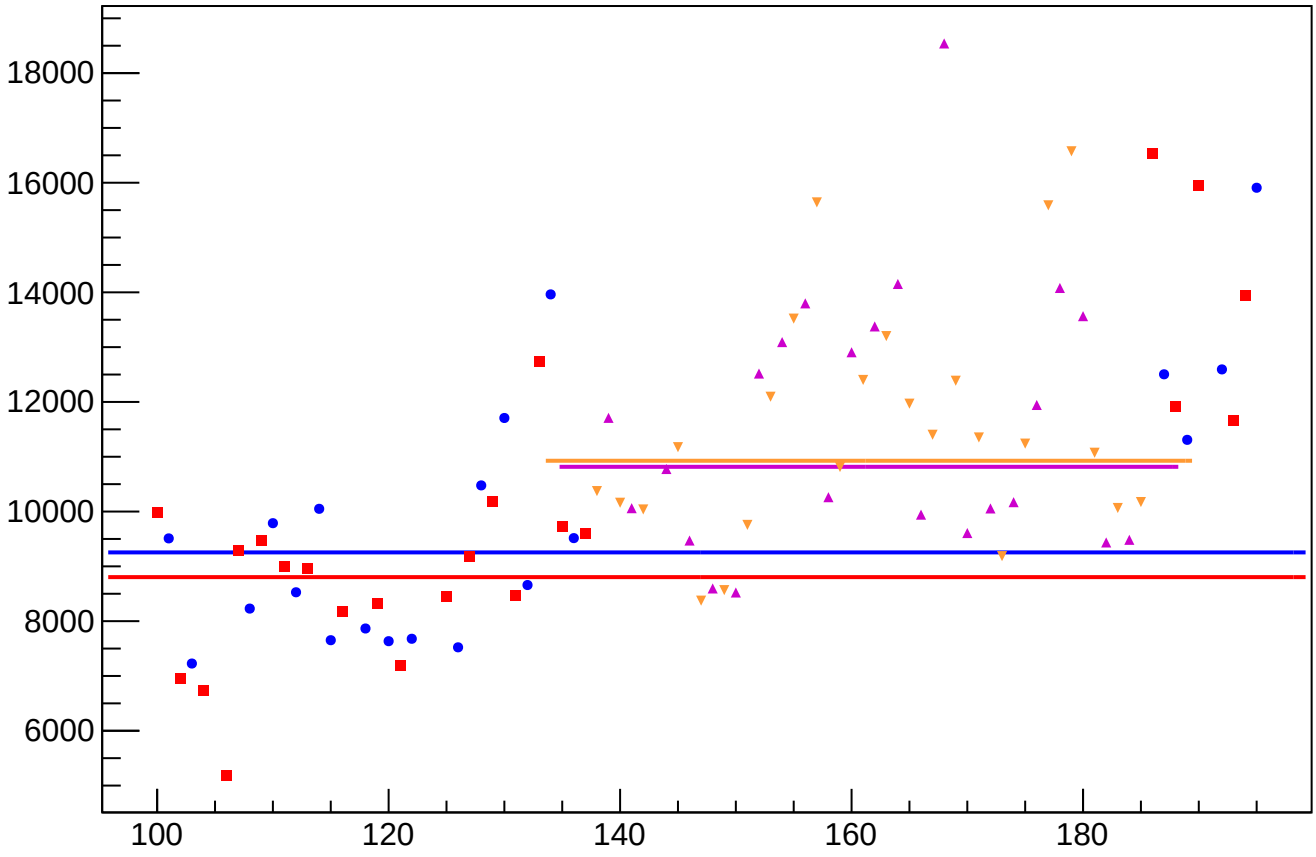
Right Out: 2150.578+/-2790.657 χ^2/NDF: 24.7/22

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1172.793+/-1971.362 χ^2/NDF: 47.8/43

All: 89.783+/-1365.540 χ^2/NDF: 87.0/89

- sign 1254.387+/-1893.332 χ^2/NDF: 38.4/45



Right In: 9254.511+/-2.149 χ^2/NDF: 923240.9/19

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

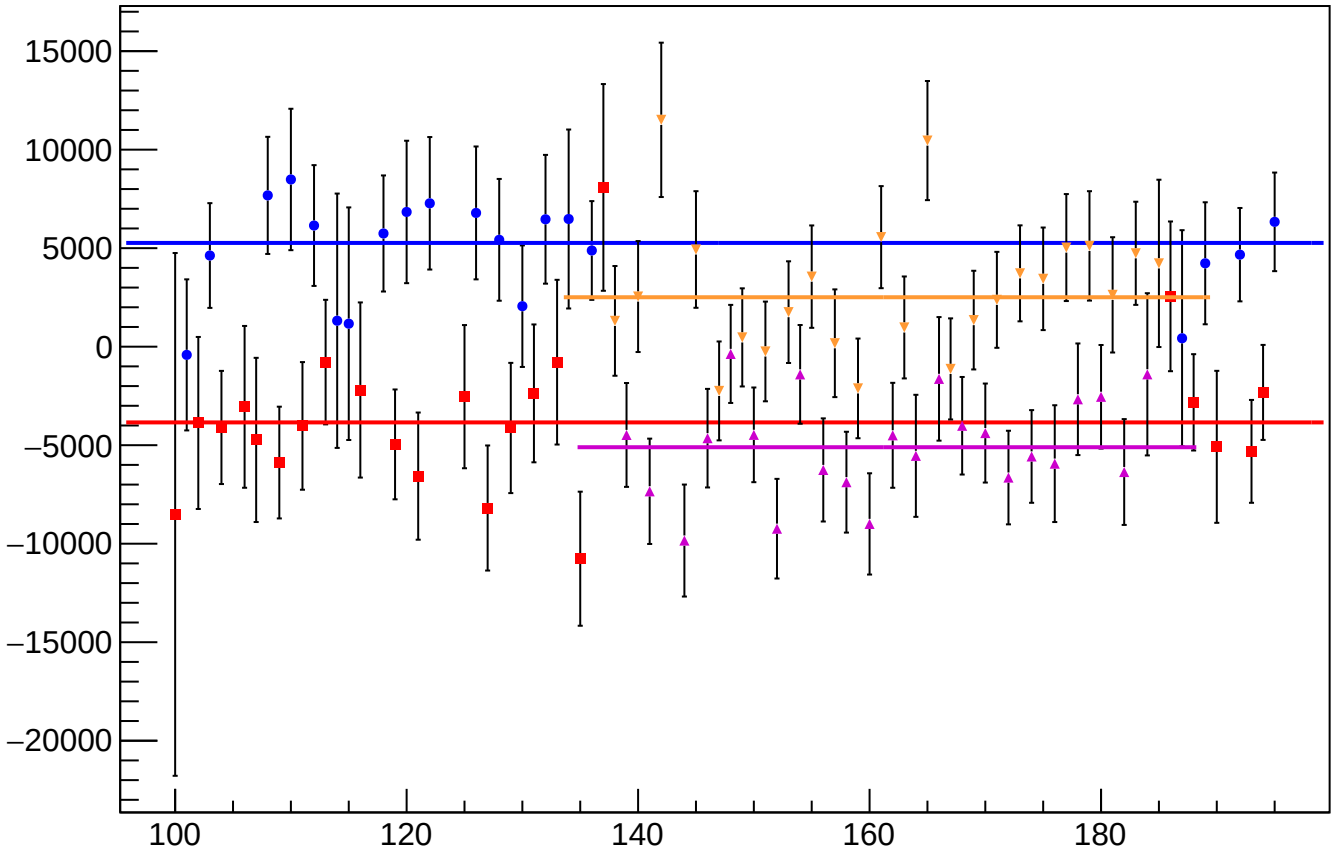
Right Out: 8803.496+/-1.973 χ^2/NDF: 1464883.5/22

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10223.430+/-1.394 χ^2/NDF: 2331328.5/43

All: 10049.891+/-0.966 χ^2/NDF: 5584368.6/8

- sign 9889.818+/-1.339 χ^2/NDF: 3223245.6/45



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: -3843.674+/-699.784 χ^2/NDF: 18.5/22

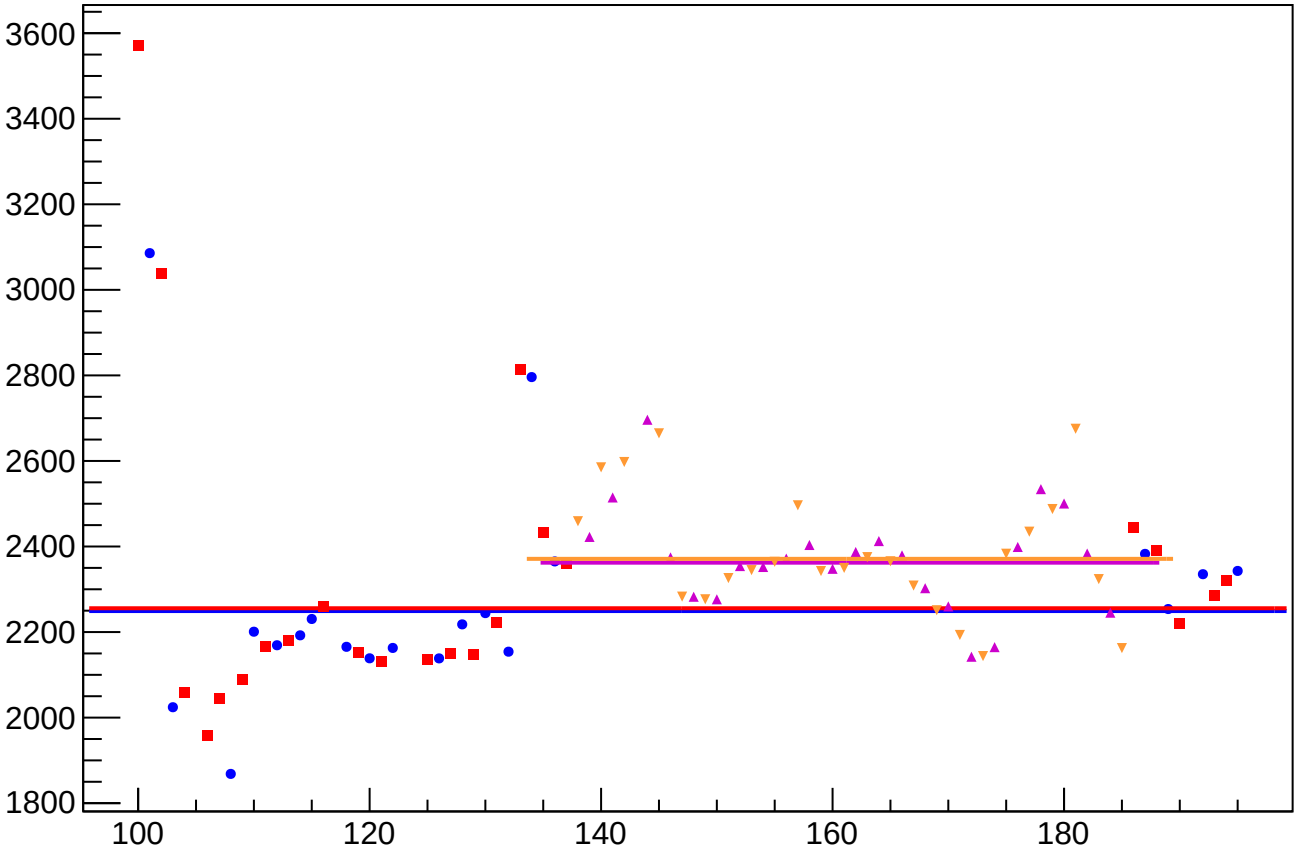
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3523.734+/-438.498 χ^2/NDF: 46.9/43

All: -592.818+/-308.346 χ^2/NDF: 261.7/89

- sign -4619.336+/-433.676 χ^2/NDF: 40.4/45

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

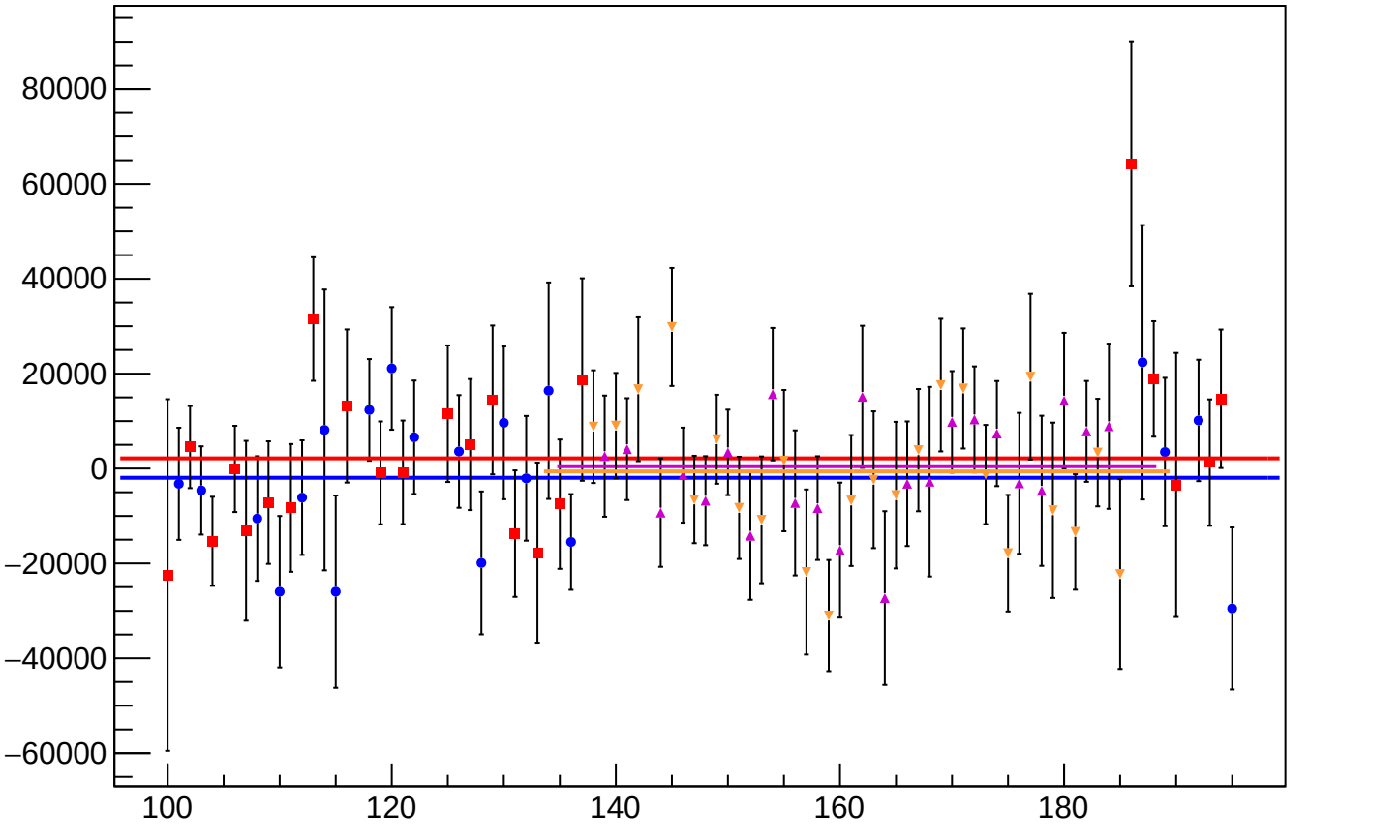
Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.230+/-0.310 χ^2/NDF: 345376.3/43

All: 2323.723+/-0.218 χ^2/NDF: 652135.3/89

- sign 2321.271+/-0.307 χ^2/NDF: 306629.7/45



Right In: -1950.339+/-3039.614 χ^2/NDF: 18.8/19

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

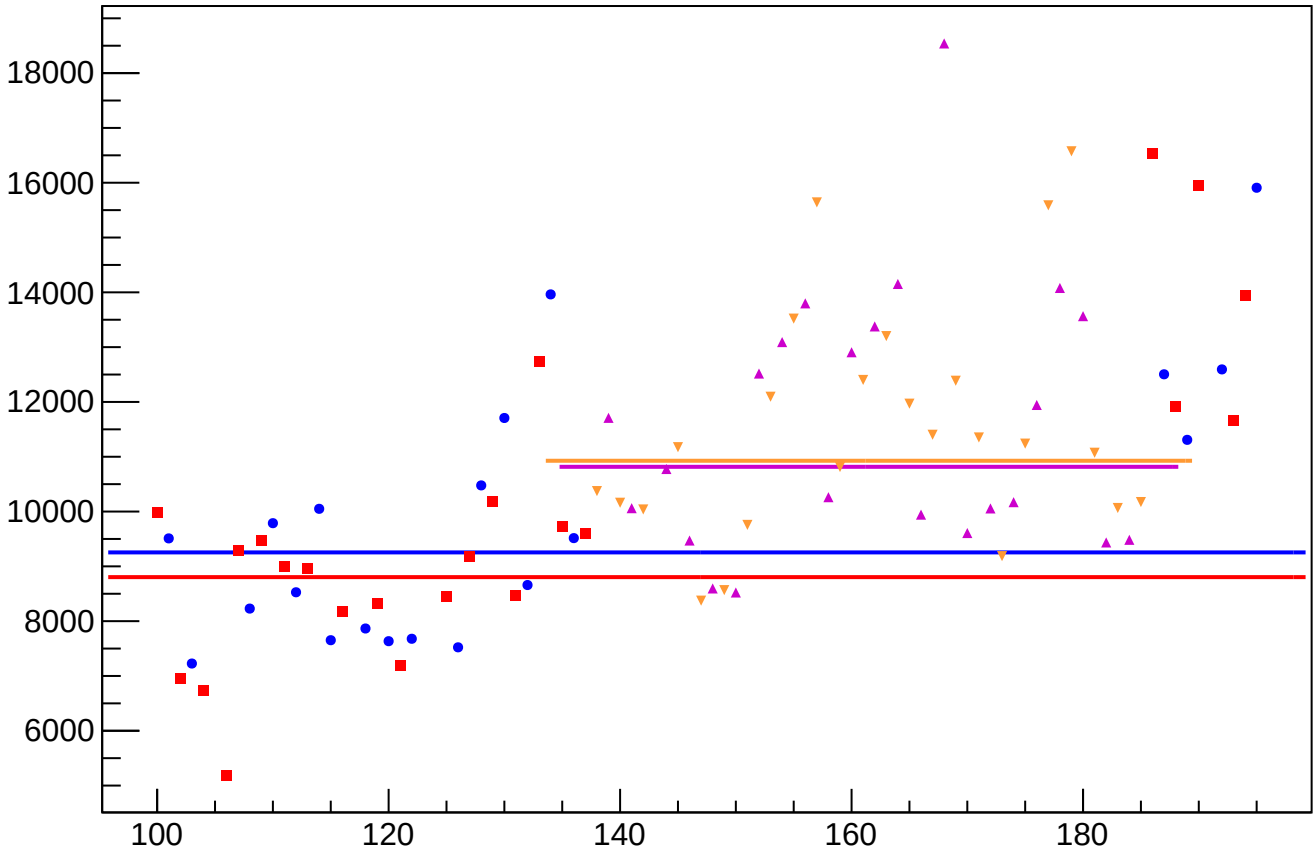
Right Out: 2150.564+/-2790.652 χ^2/NDF: 24.7/22

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1172.791+/-1971.362 χ^2/NDF: 47.8/43

All: 89.783+/-1365.540 χ^2/NDF: 87.0/89

- sign 1254.385+/-1893.332 χ^2/NDF: 38.4/45



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: 8803.479+/-1.973 χ^2/NDF: 1464889.6/22

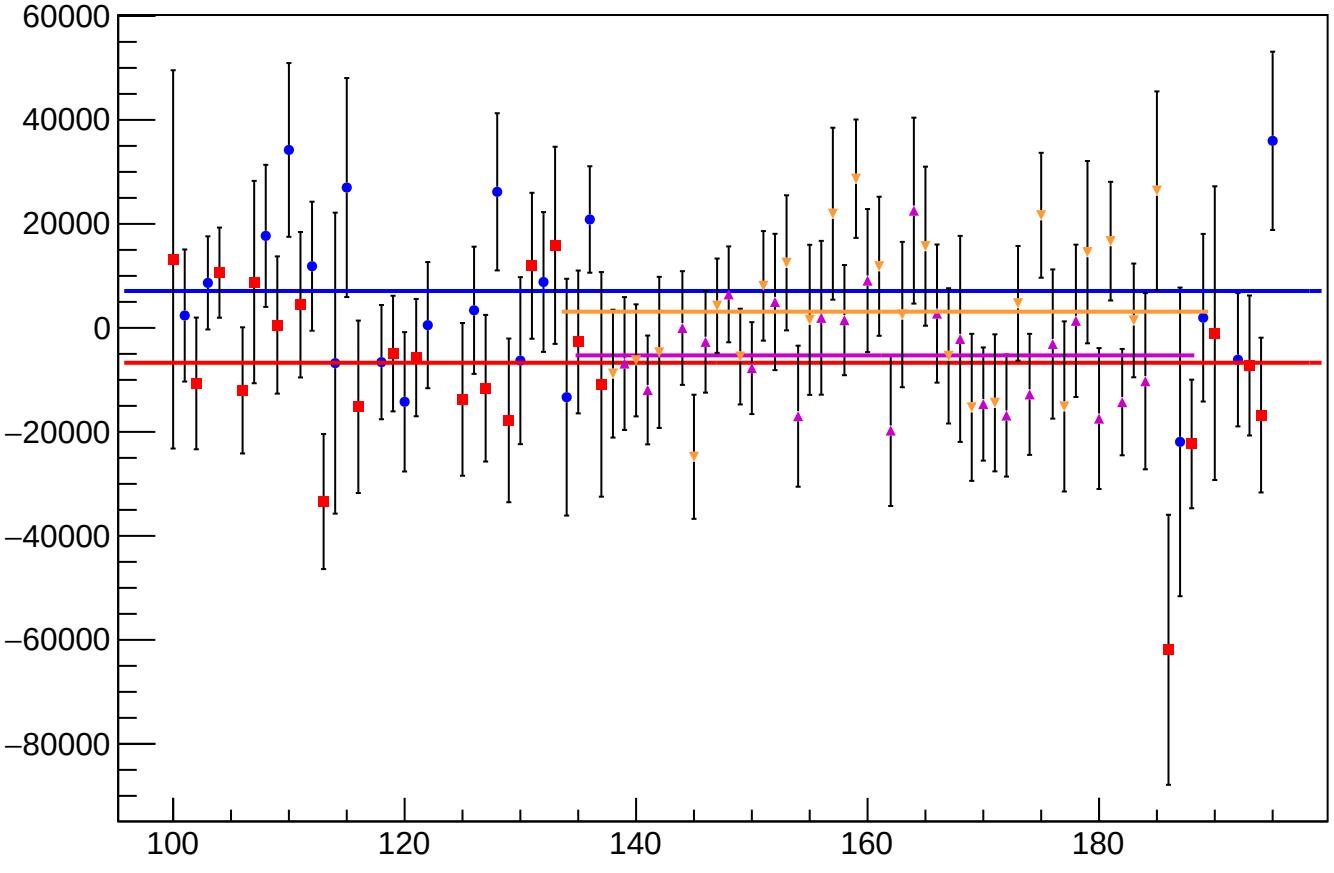
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10223.429+/-1.394 χ^2/NDF: 2331357.9/43

All: 10049.889+/-0.966 χ^2/NDF: 5584426.9/8

- sign 9889.816+/-1.339 χ^2/NDF: 3223274.4/45

asym_us_avg_at2lr_avg_avg_mean vs Slug



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: -6706.002+/-2956.347 χ^2/NDF: 21.4/22

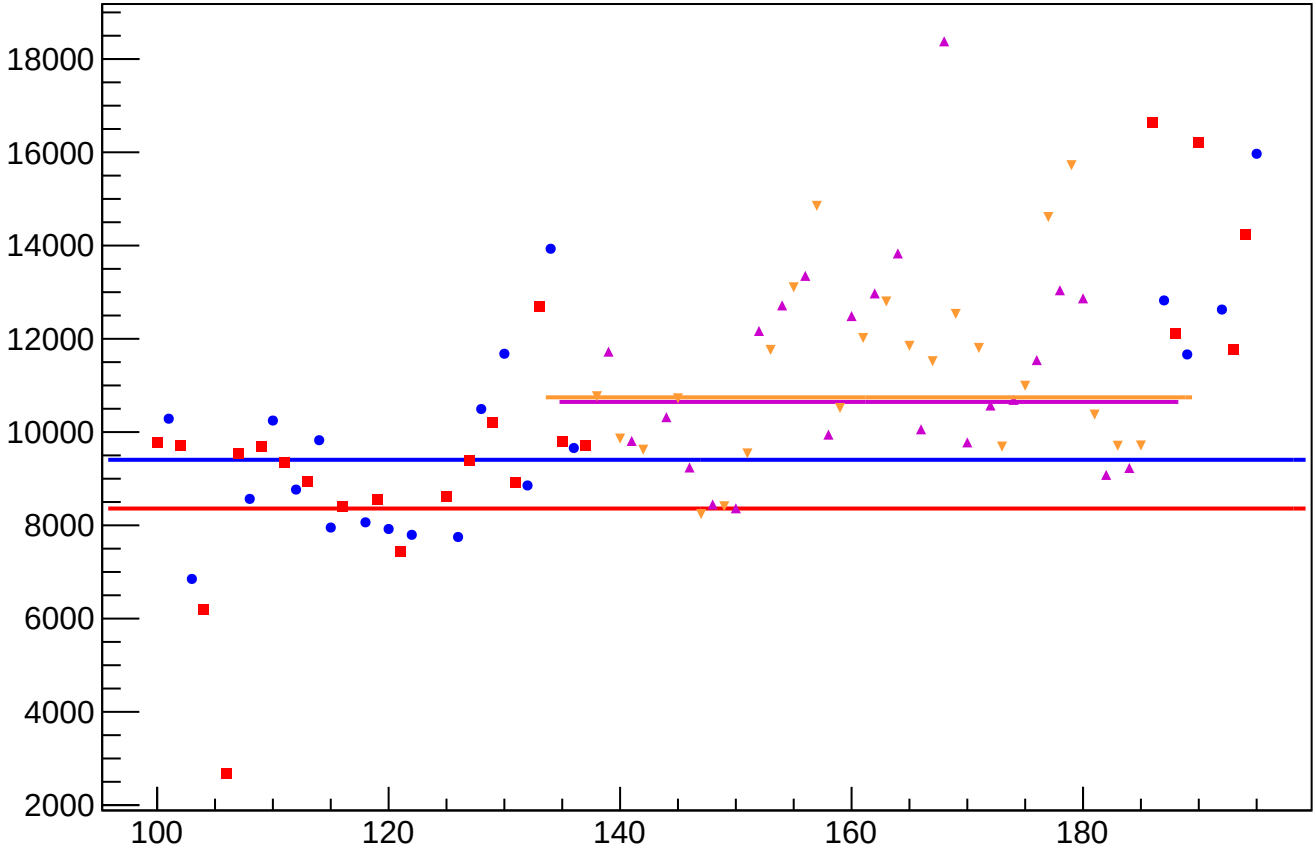
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4723.498+/-1964.005 χ^2/NDF: 47.4/43

All: -693.694+/-1374.224 χ^2/NDF: 97.3/89

- sign -5889.855+/-1923.520 χ^2/NDF: 34.9/45

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

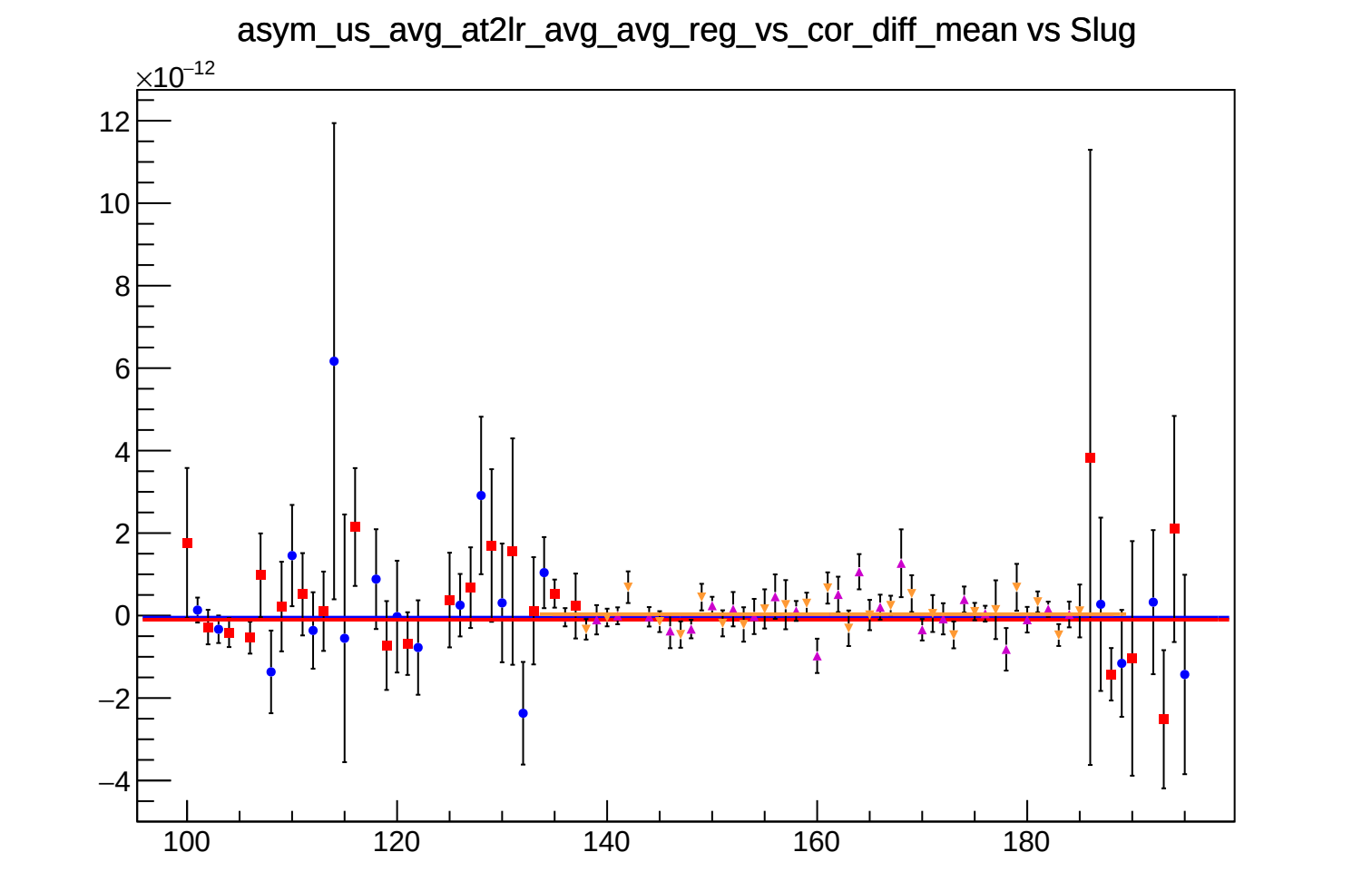
Right Out: 8360.813+/-1.963 χ^2/NDF: 2791144.1/22

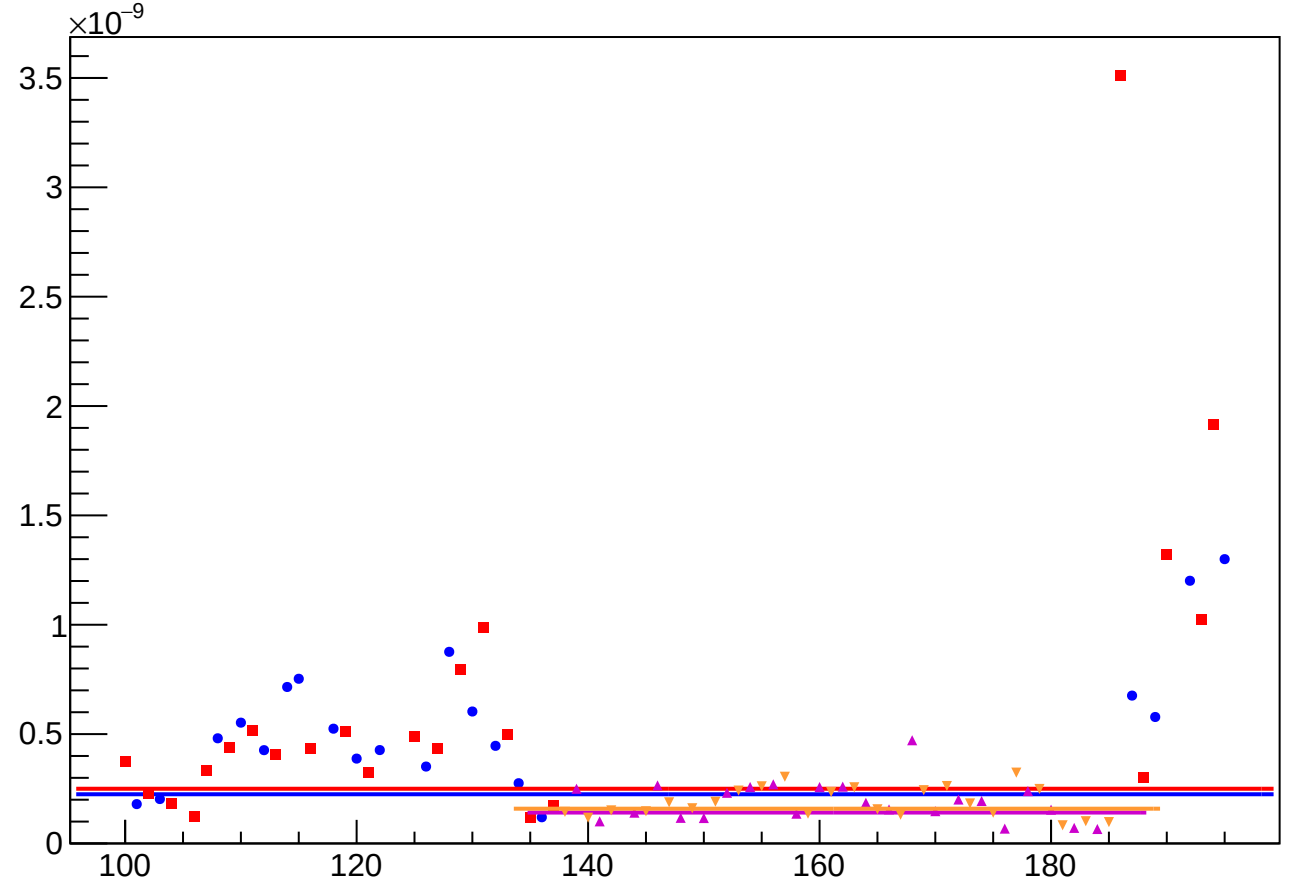
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10204.799+/-1.389 χ^2/NDF: 2134131.8/43

All: 9892.188+/-0.958 χ^2/NDF: 6875645.7/89

- sign 9608.370+/-1.323 χ^2/NDF: 4644839.7/45


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
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: 21.5/22
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: 92.0/89
- sign 0.000+/-0.000 χ²/NDF: 50.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2919322.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

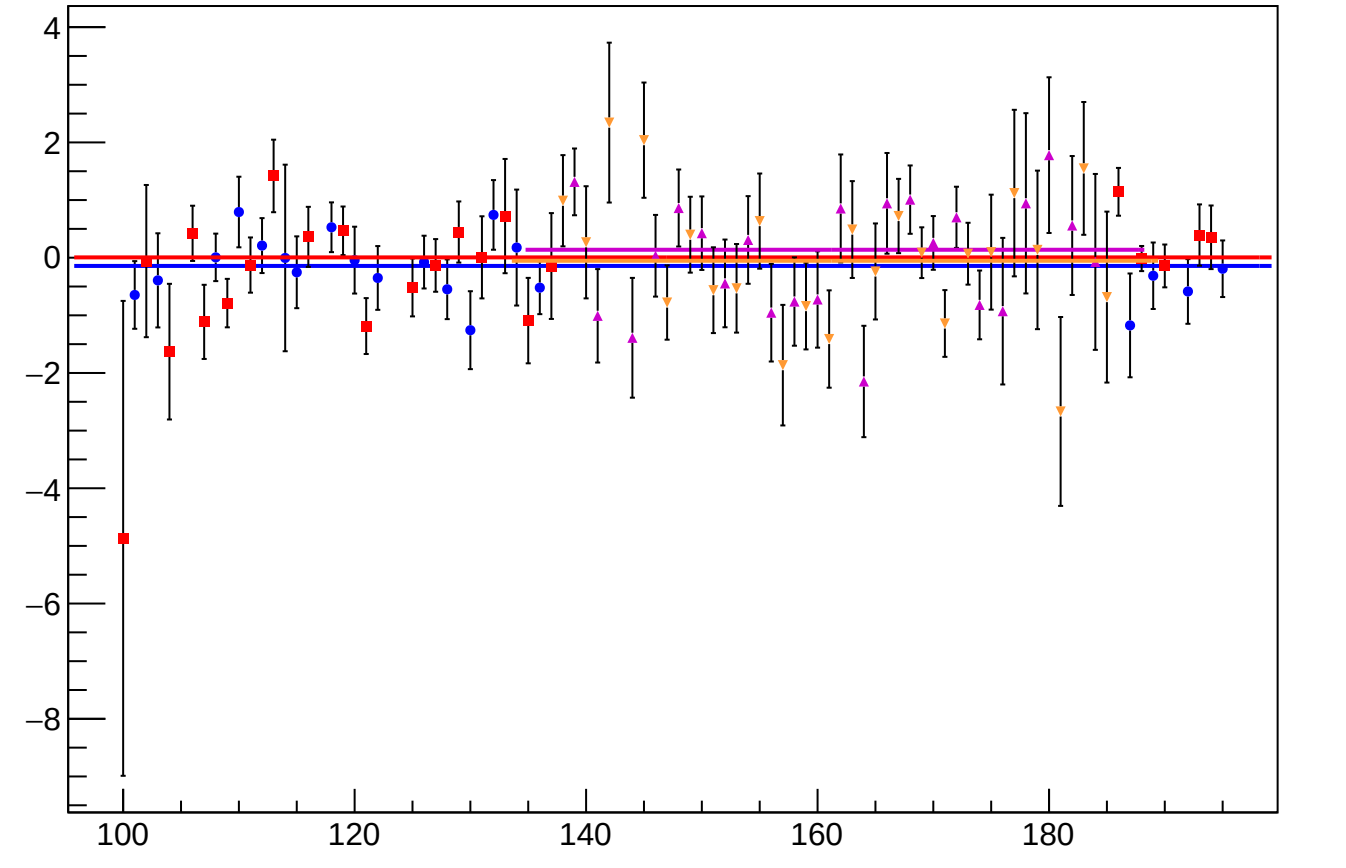
Right Out: 0.000+/-0.000 χ^2/NDF: 3435883.9/22

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: 11370496.1/89

- sign 0.000+/-0.000 χ^2/NDF: 6727666.1/45



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

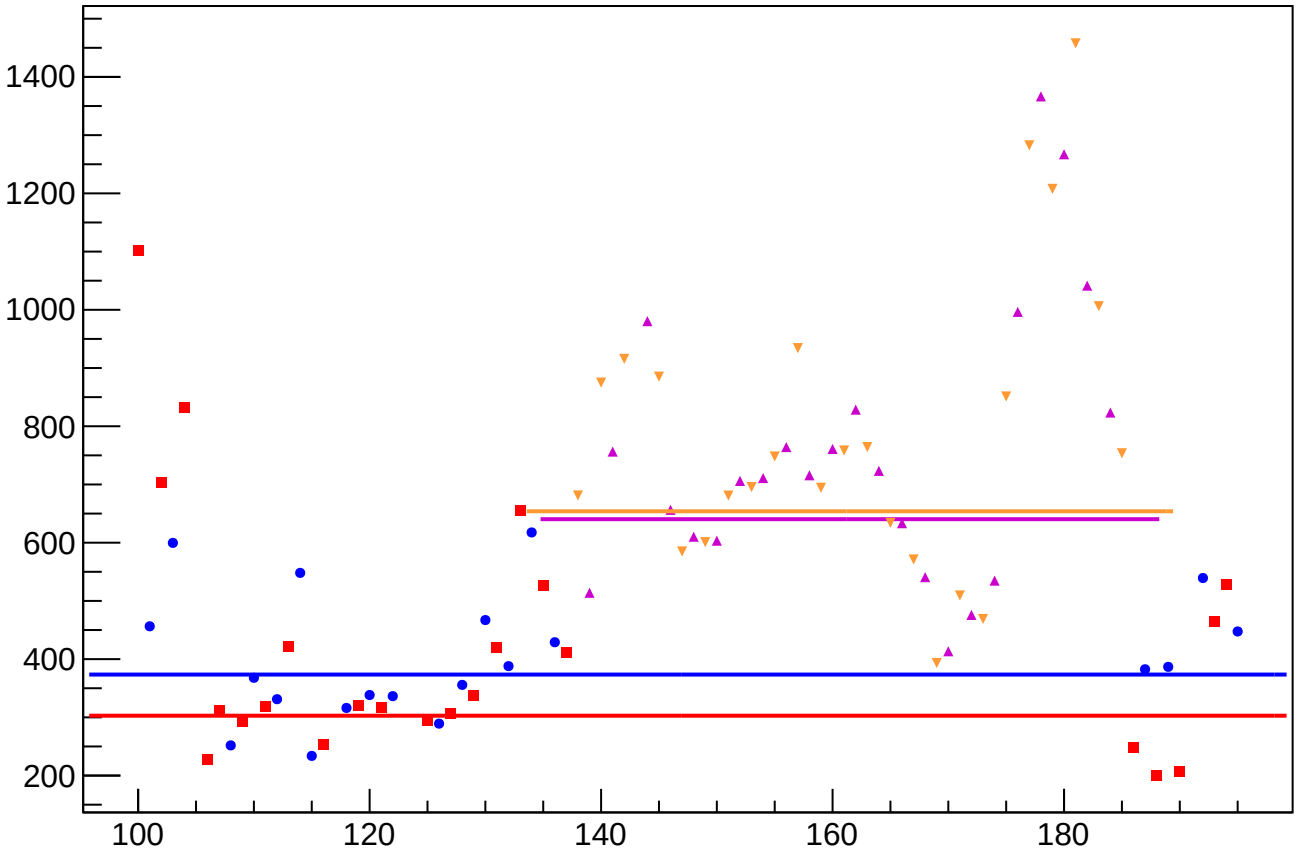
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

\+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.021+/-0.065 χ^2/NDF: 113.6/89

\- sign 0.045+/-0.087 χ^2/NDF: 67.2/45



Right In: 373.508+/-0.089 χ^2/NDF: 1037186.4/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

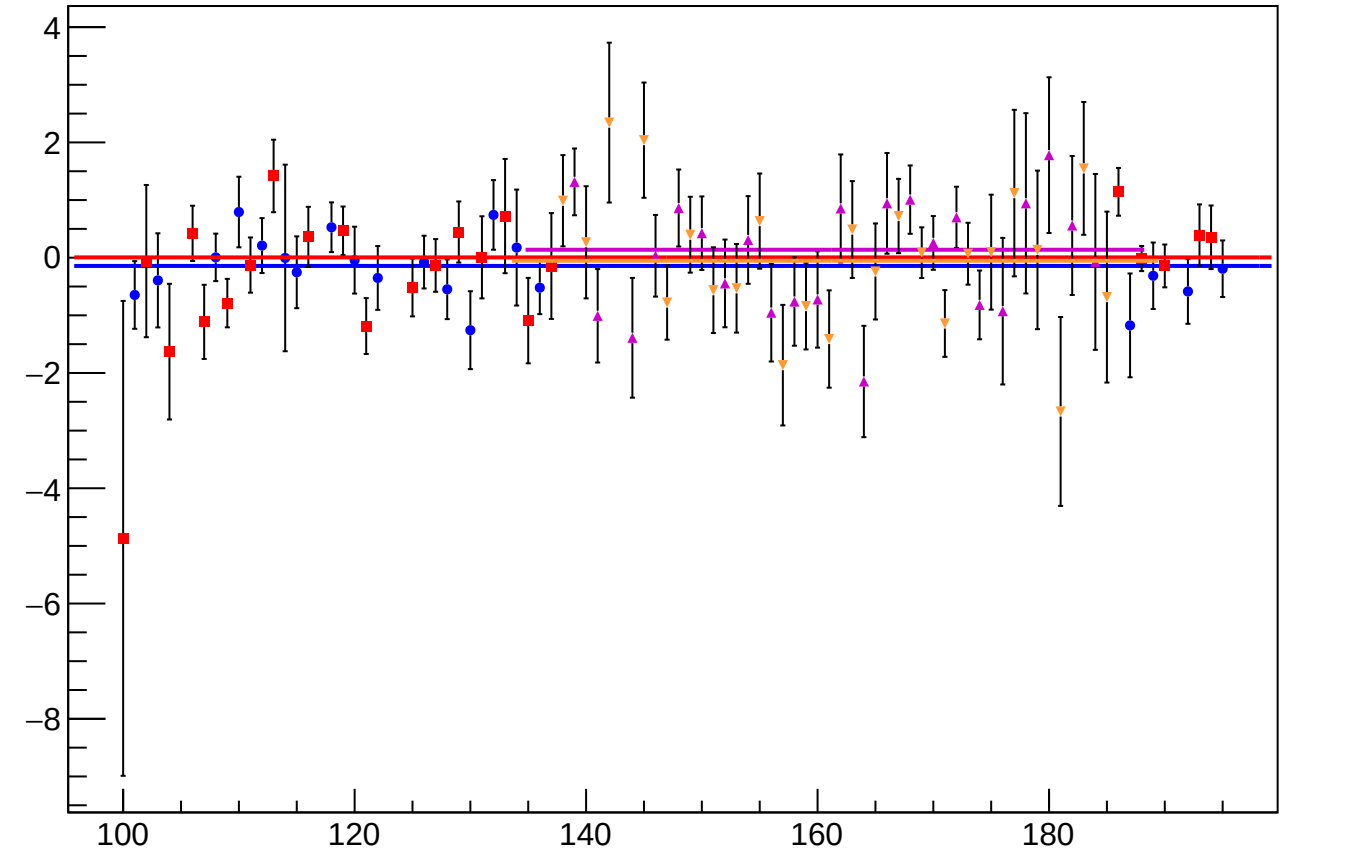
Right Out: 302.842+/-0.073 χ^2/NDF: 2469645.4/22

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.102+/-0.070 χ^2/NDF: 7907487.6/43

All: 436.916+/-0.046 χ^2/NDF: 20084652.9/89

- sign 404.238+/-0.061 χ^2/NDF: 11514831.0/45



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

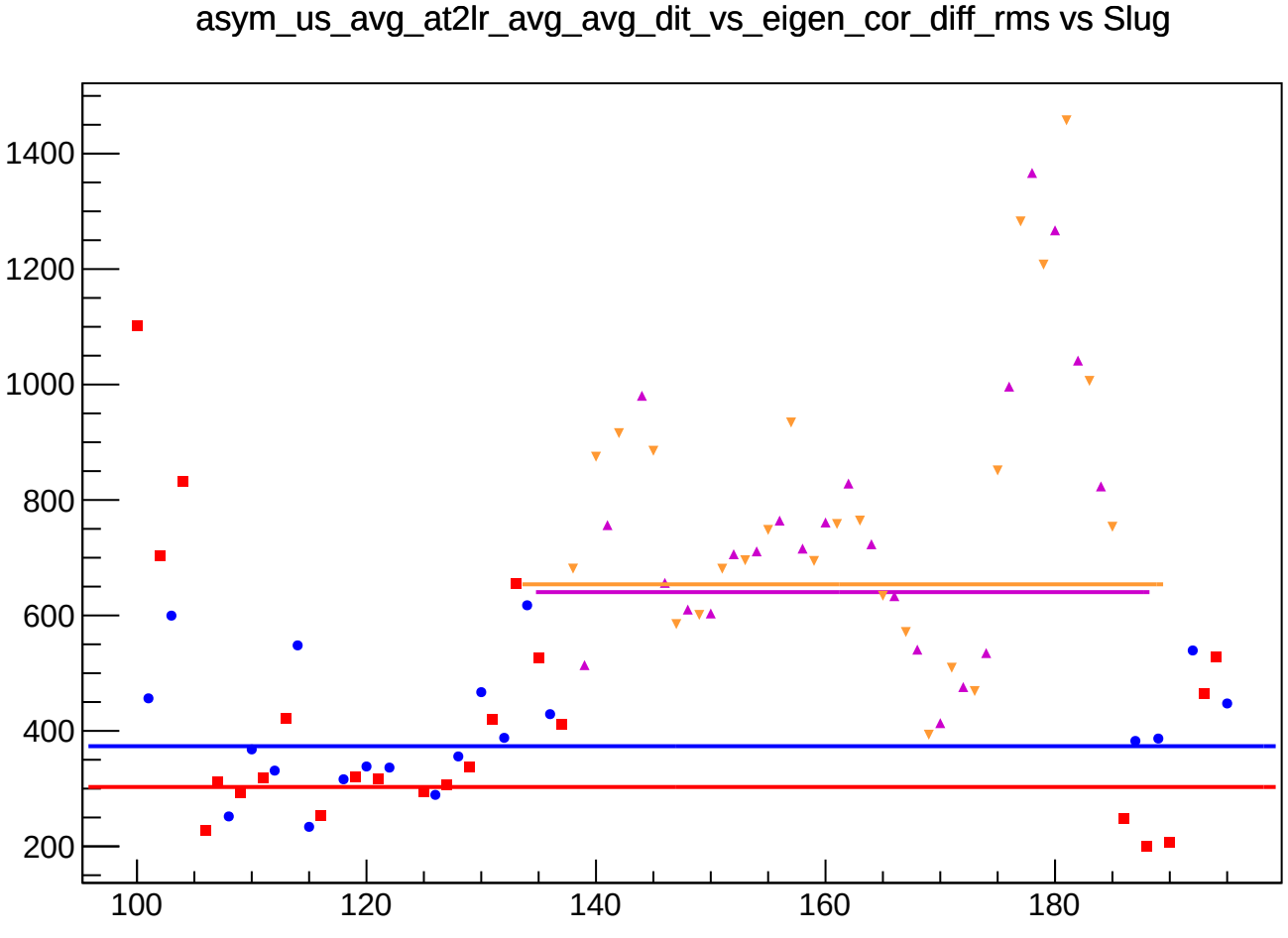
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

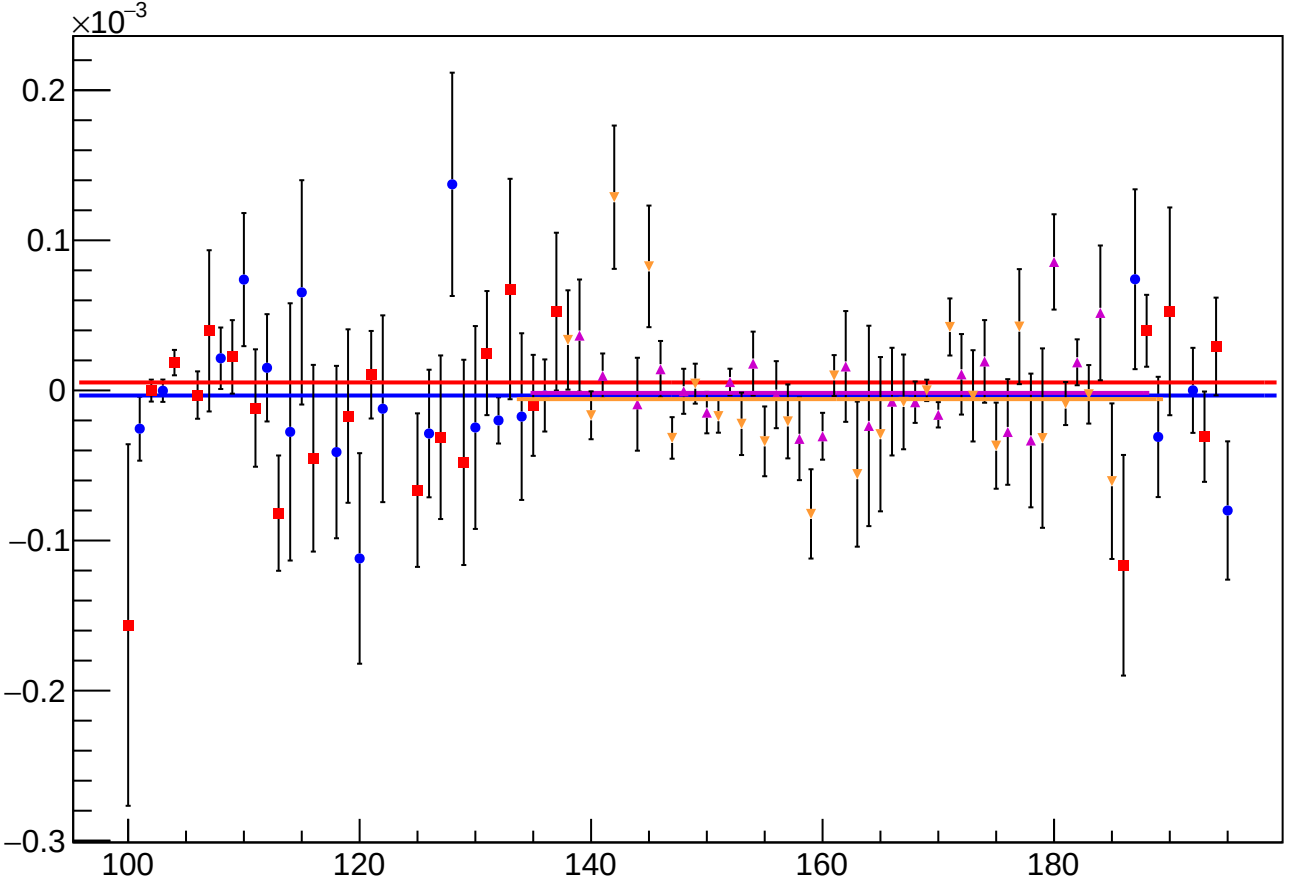
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.021+/-0.065 χ^2/NDF: 113.6/89

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 373.508+/-0.089 χ²/NDF: 1037186.4/19
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 302.842+/-0.073 χ²/NDF: 2469645.4/22
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 480.102+/-0.070 χ²/NDF: 7907487.6/43
All: 436.916+/-0.046 χ²/NDF: 20084652.9/89
- sign 404.238+/-0.061 χ²/NDF: 11514831.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

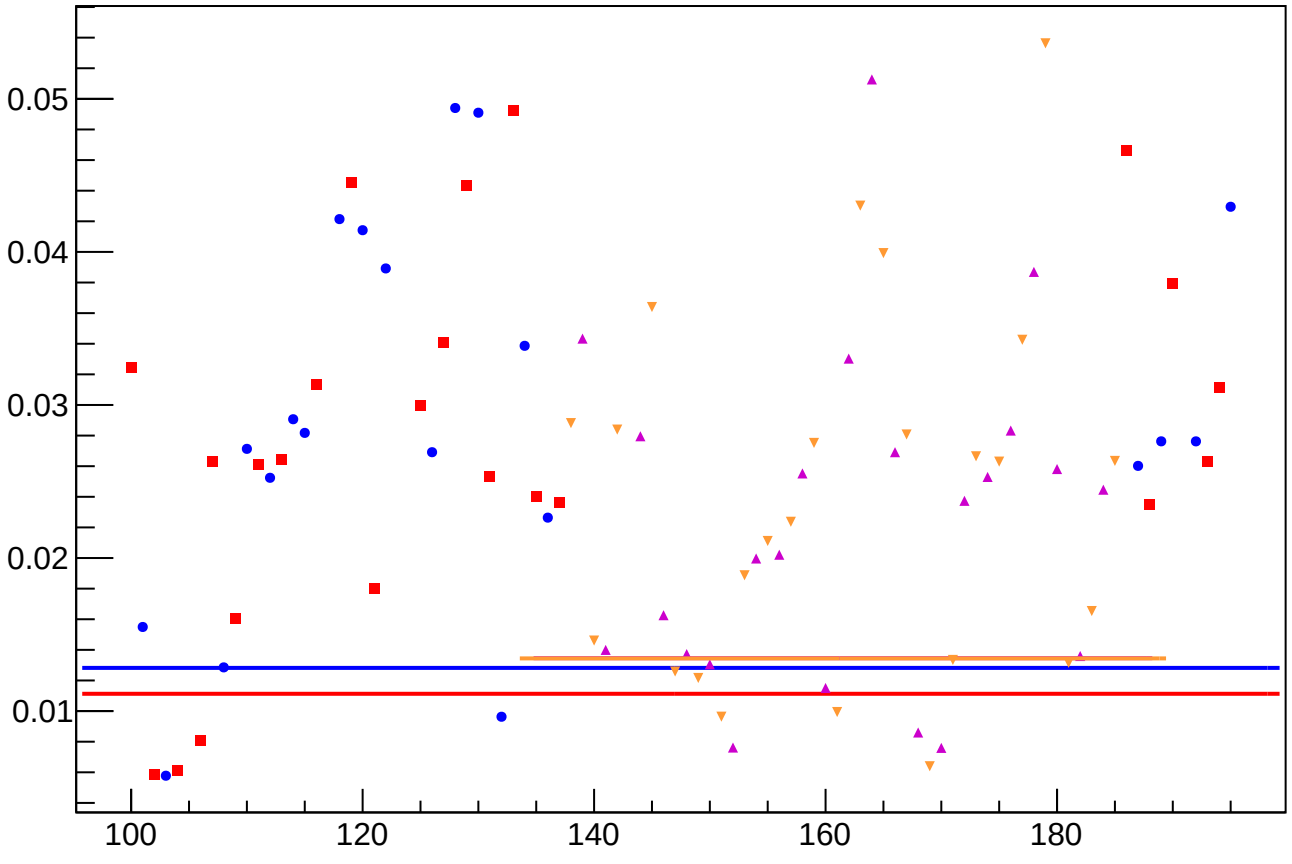
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/22

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: 116.3/89

- sign 0.000+/-0.000 χ^2/NDF: 51.4/45



Right In: 0.013+/-0.000 χ^2/NDF: 7400351.2/19

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

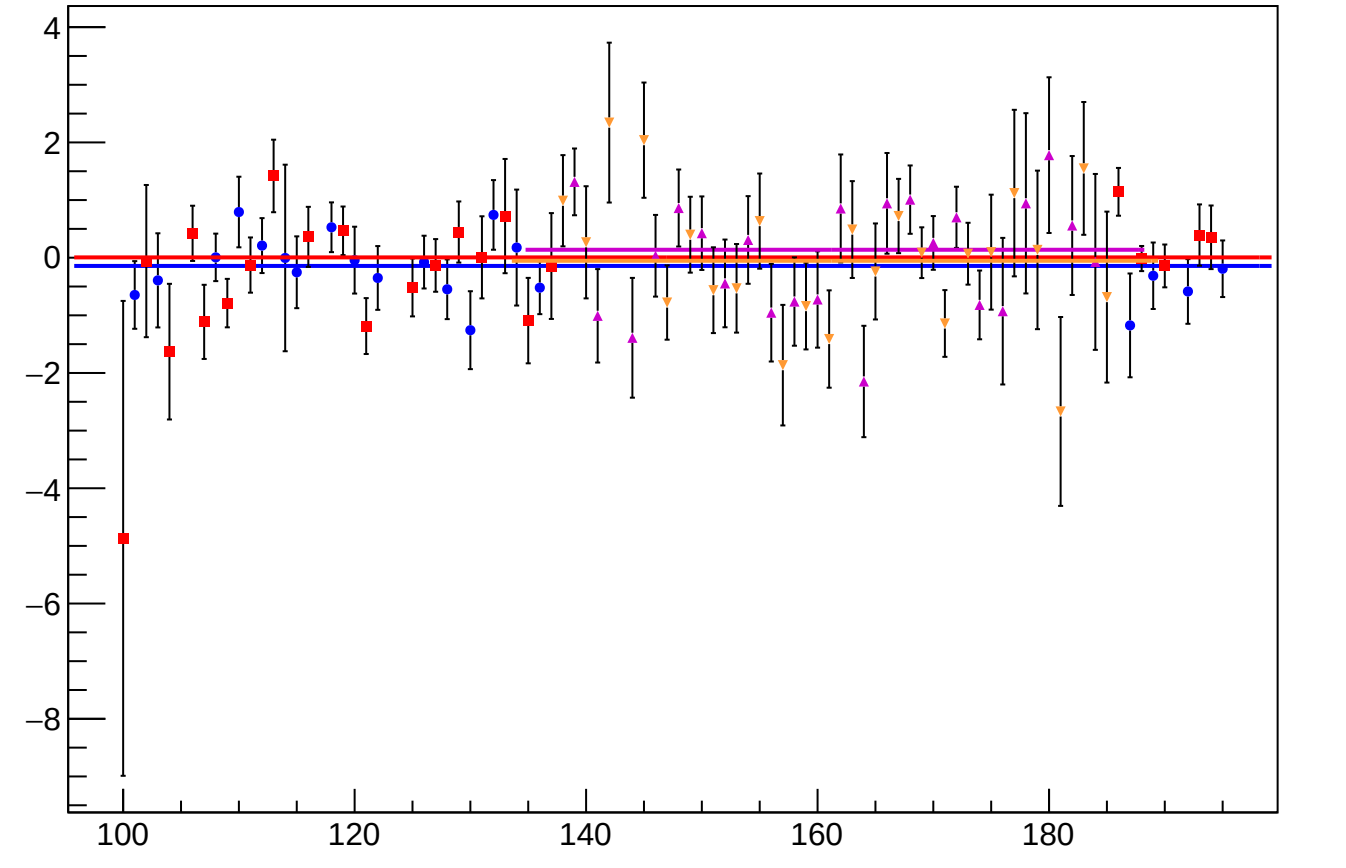
Right Out: 0.011+/-0.000 χ^2/NDF: 8570632.9/22

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: 32769137.1/89

- sign 0.013+/-0.000 χ^2/NDF: 16434167.5/45



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

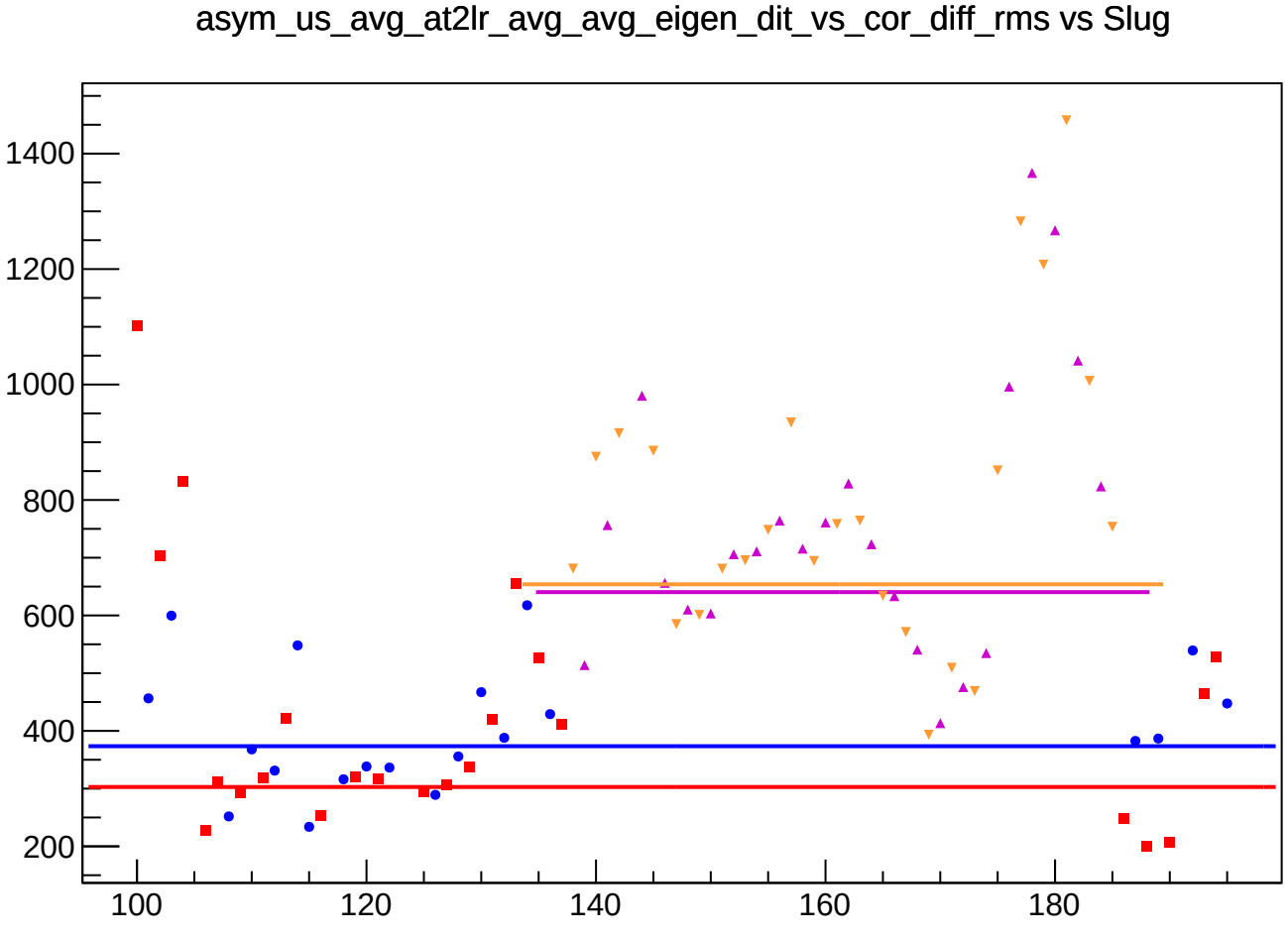
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.021+/-0.065 χ^2/NDF: 113.6/89

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45



Right In: 373.507+/-0.089 χ^2/NDF: 1037148.6/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

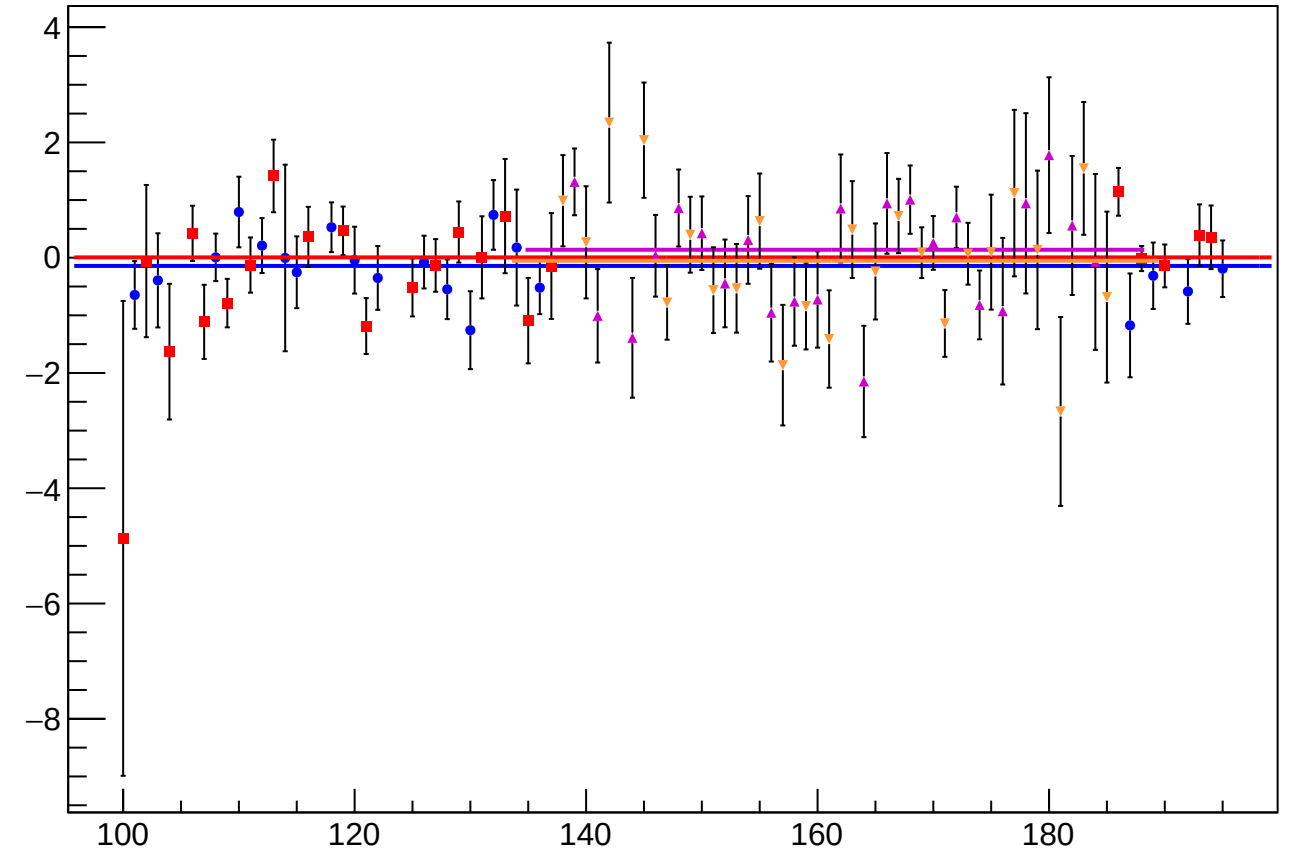
Right Out: 302.836+/-0.073 χ^2/NDF: 2469765.7/22

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 480.101+/-0.070 χ^2/NDF: 7907696.9/43

All: 436.912+/-0.046 χ^2/NDF: 20085580.7/89

- sign 404.231+/-0.061 χ^2/NDF: 11515449.4/45



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

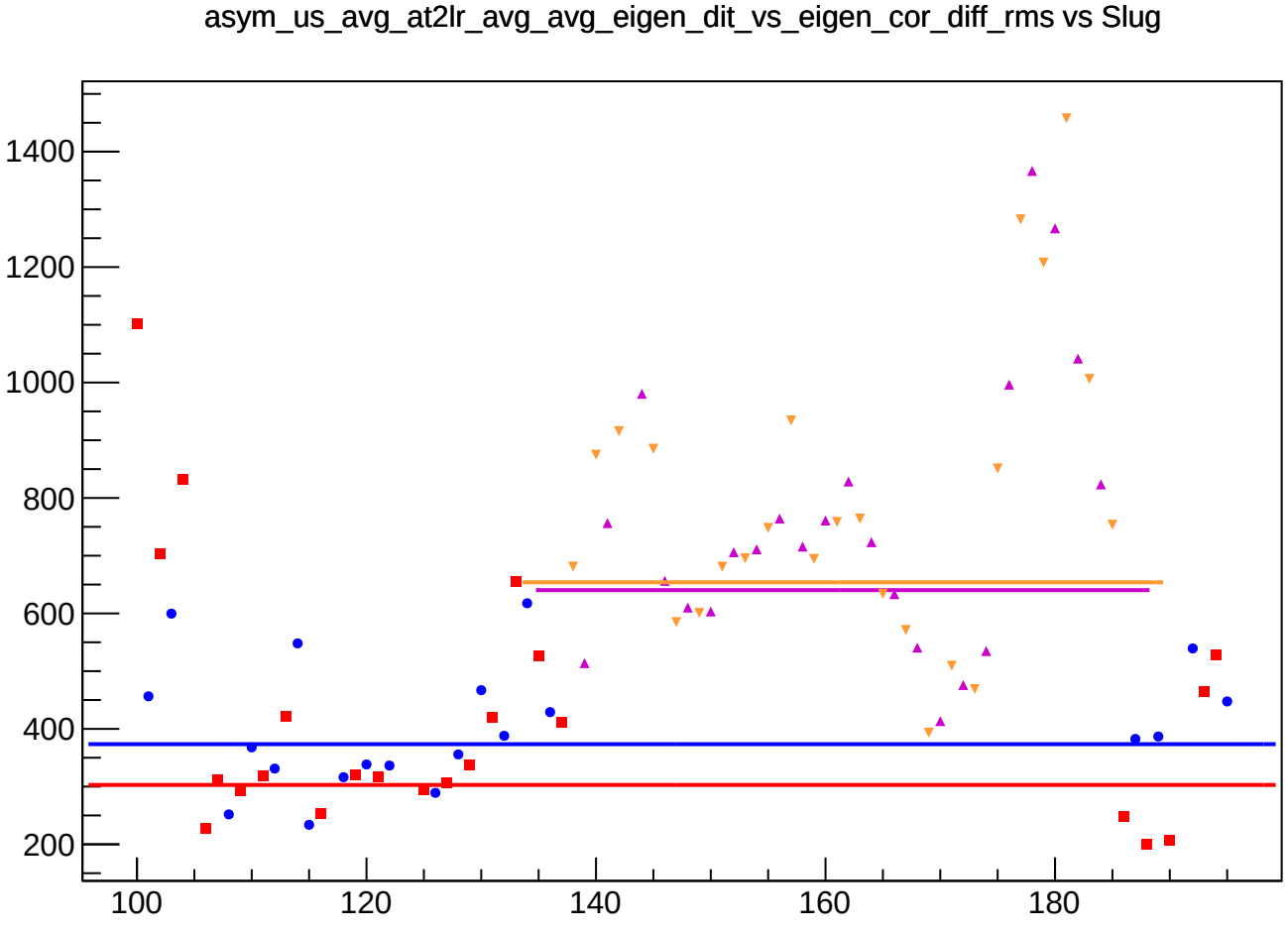
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

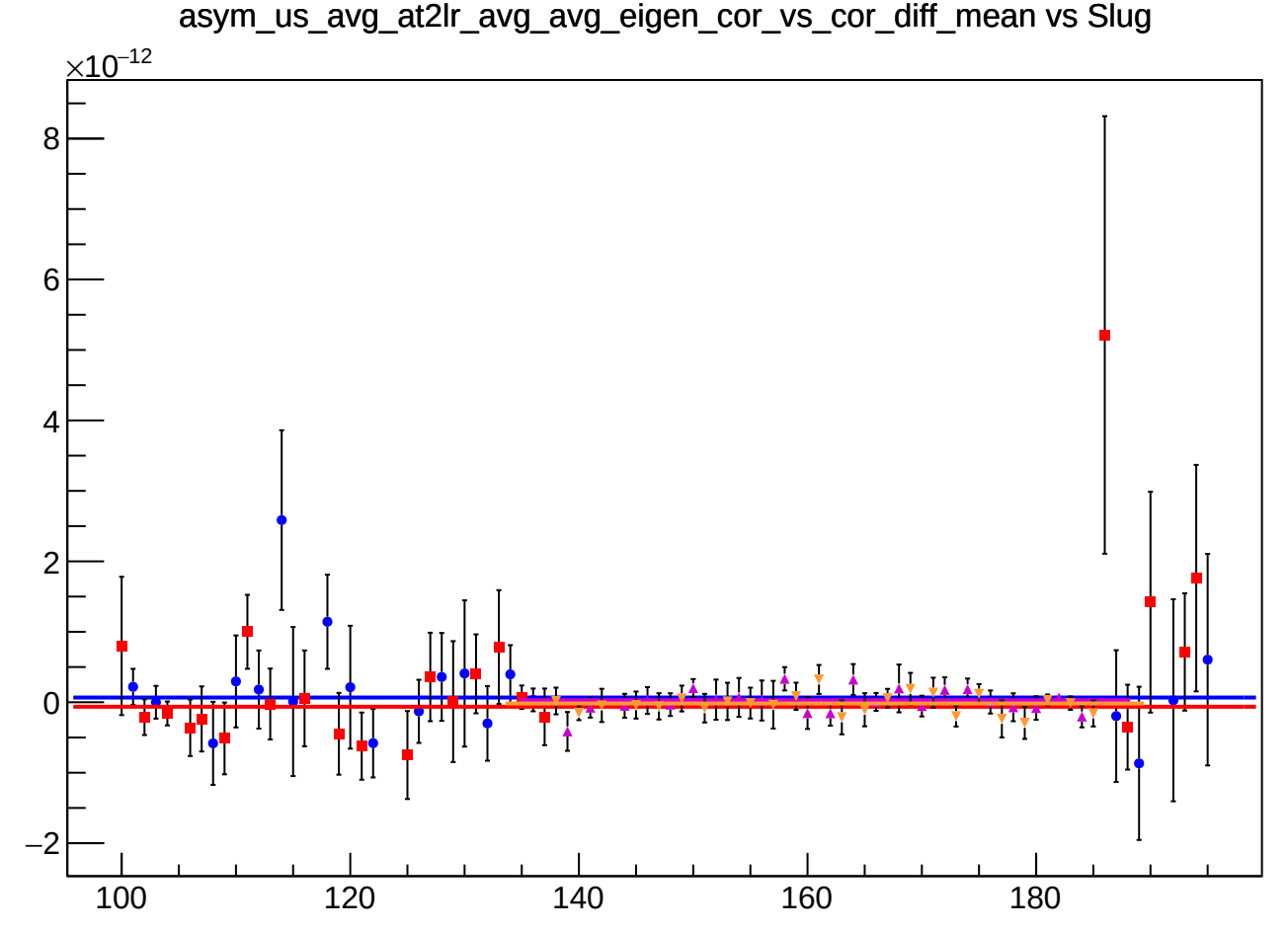
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/43

All: -0.021+/-0.065 χ^2/NDF: 113.6/89

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 373.507+/-0.089 χ²/NDF: 1037148.6/19
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 302.836+/-0.073 χ²/NDF: 2469765.7/22
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 480.101+/-0.070 χ²/NDF: 7907696.9/43
All: 436.912+/-0.046 χ²/NDF: 20085580.7/89
- sign 404.231+/-0.061 χ²/NDF: 11515449.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

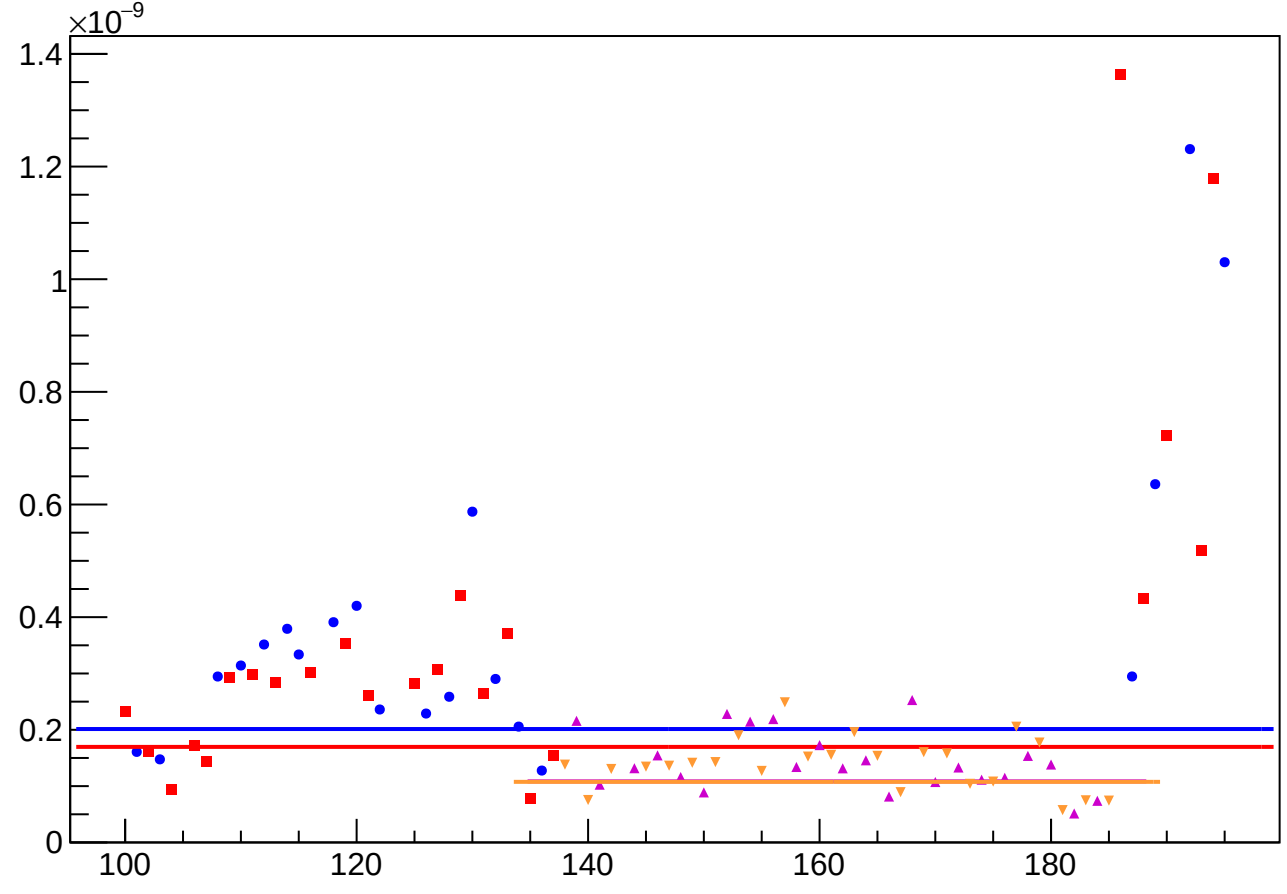
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/22

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: 65.0/89

- sign 0.000+/-0.000 χ^2/NDF: 38.2/45



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: 4323966.4/22

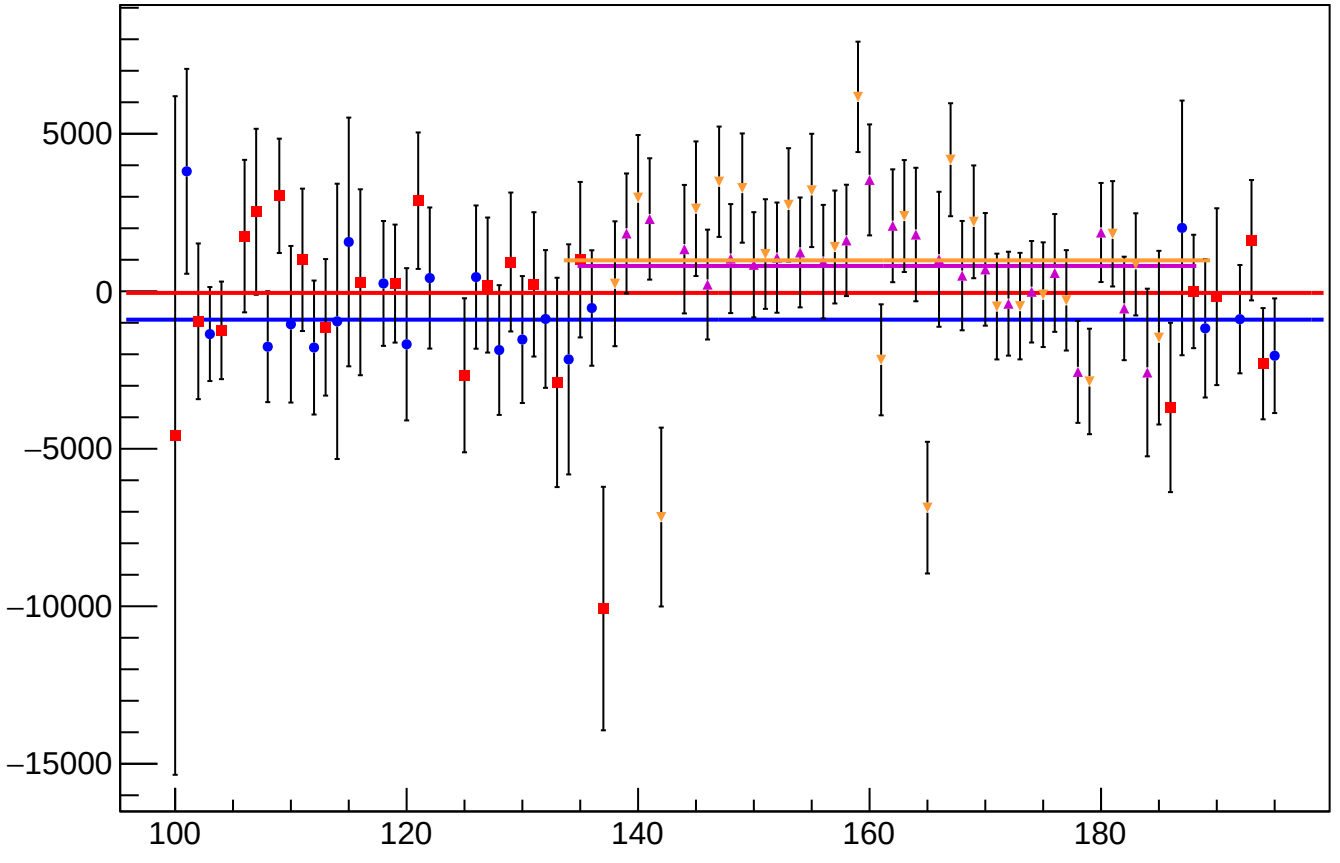
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8722396.9/43

All: 0.000+/-0.000 χ^2/NDF: 17837256.5/89

- sign 0.000+/-0.000 χ^2/NDF: 9113802.8/45

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: -51.693+/-471.373 χ^2/NDF: 20.8/22

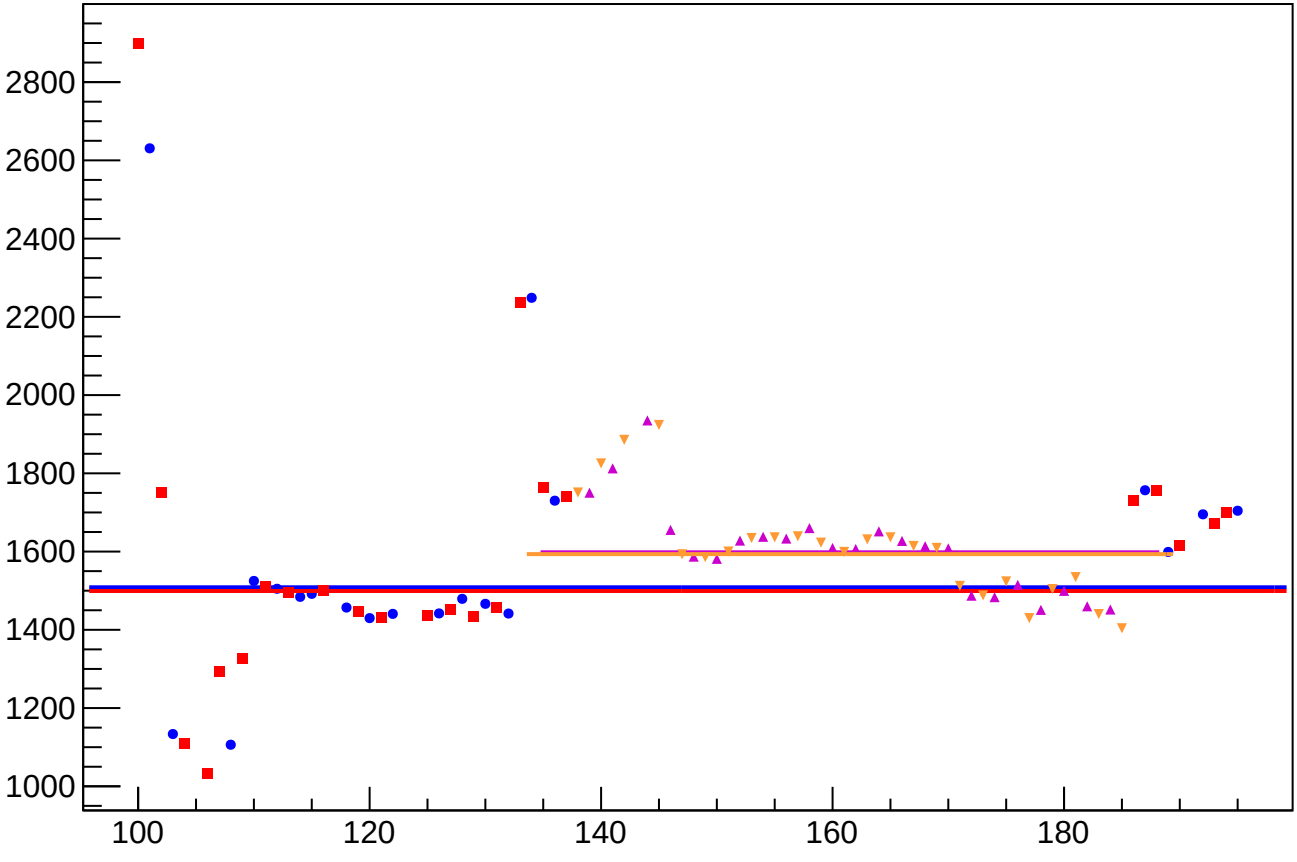
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 296.884+/-295.809 χ^2/NDF: 70.5/43

All: 385.928+/-208.173 χ^2/NDF: 106.0/89

\- sign 473.297+/-293.013 χ^2/NDF: 35.3/45

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

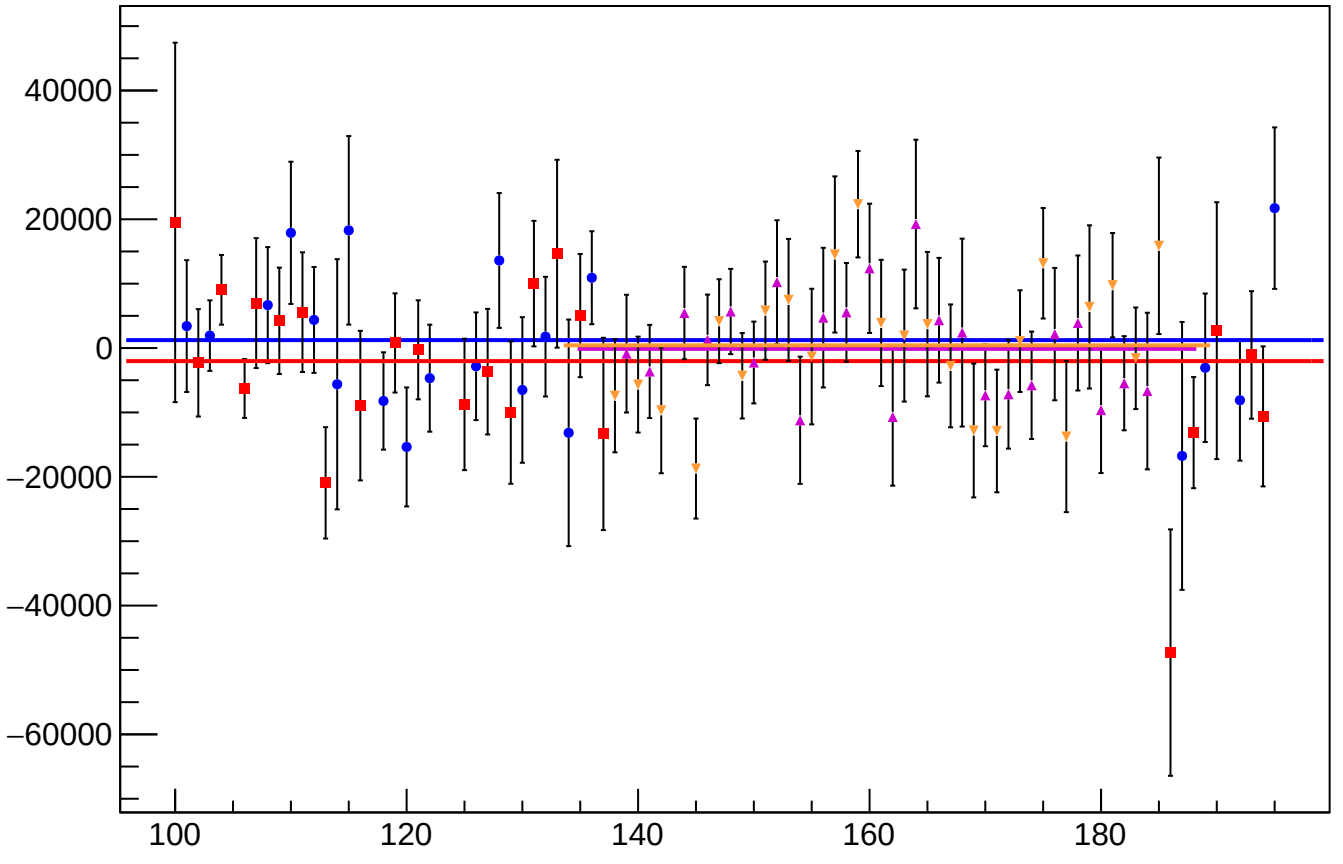
Right Out: 1499.253+/-0.331 χ^2/NDF: 545933.0/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.0/43

All: 1561.132+/-0.147 χ^2/NDF: 1643478.6/89

- sign 1559.658+/-0.207 χ^2/NDF: 769439.7/45



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: -2029.951+/-1874.982 χ^2/NDF: 25.9/22

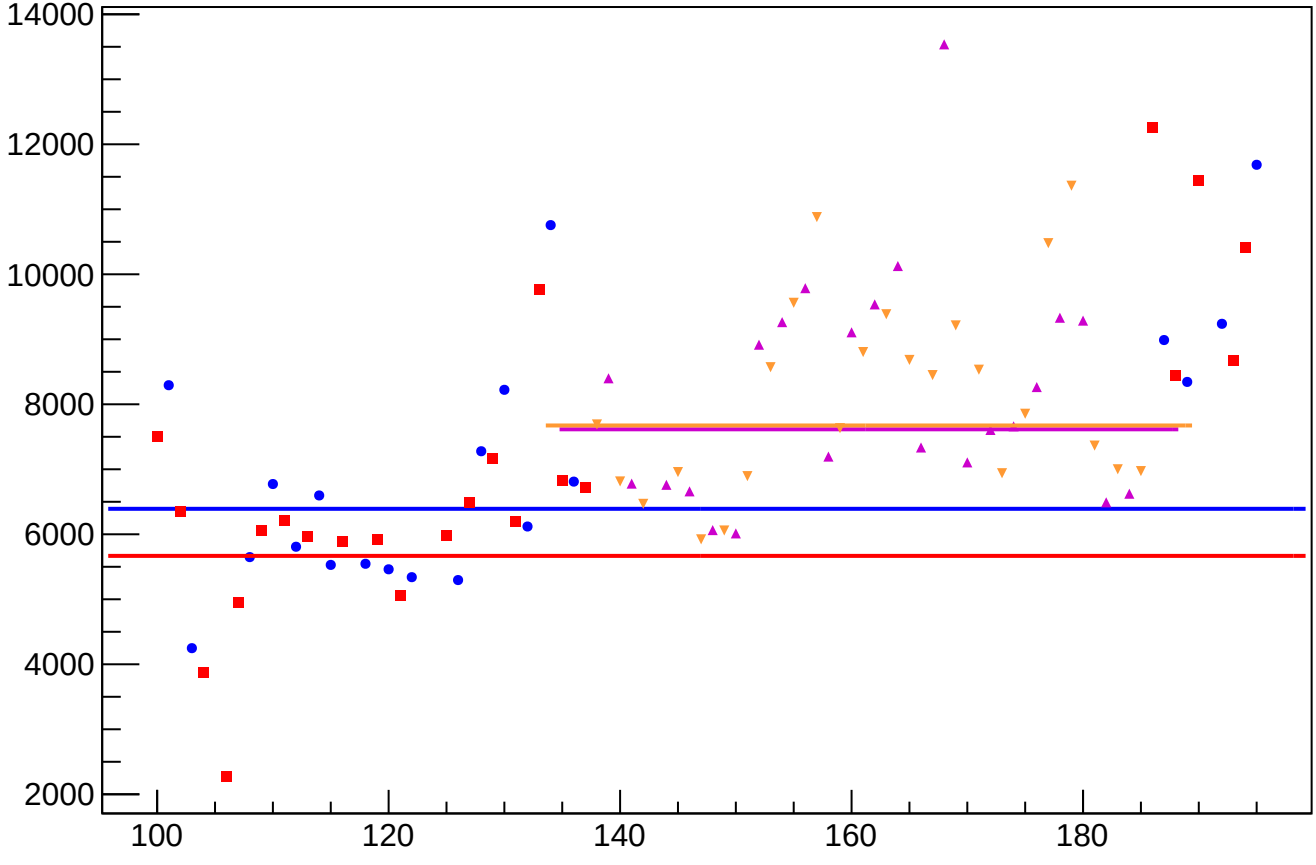
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 768.187+/-1381.597 χ^2/NDF: 48.2/43

All: -191.865+/-948.323 χ^2/NDF: 89.4/89

- sign -1047.136+/-1304.026 χ^2/NDF: 40.3/45

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: 5667.740+/-1.326 χ^2/NDF: 2815349.9/22

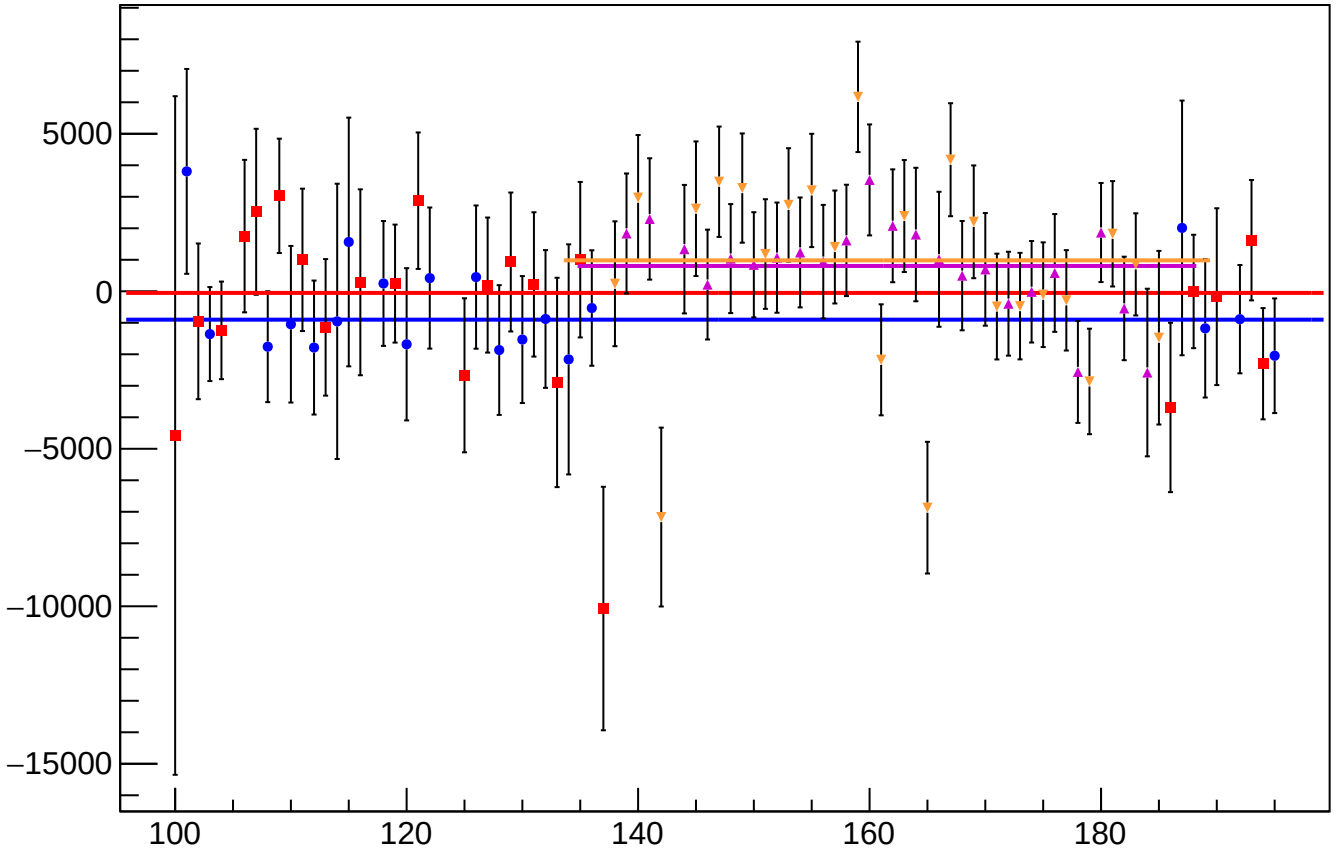
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

\+ sign 7130.861+/-0.977 χ^2/NDF: 2844577.3/43

All: 6888.765+/-0.671 χ^2/NDF: 8114276.2/89

\- sign 6673.092+/-0.922 χ^2/NDF: 5153580.8/45

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: -51.802+/-471.373 χ^2/NDF: 20.8/22

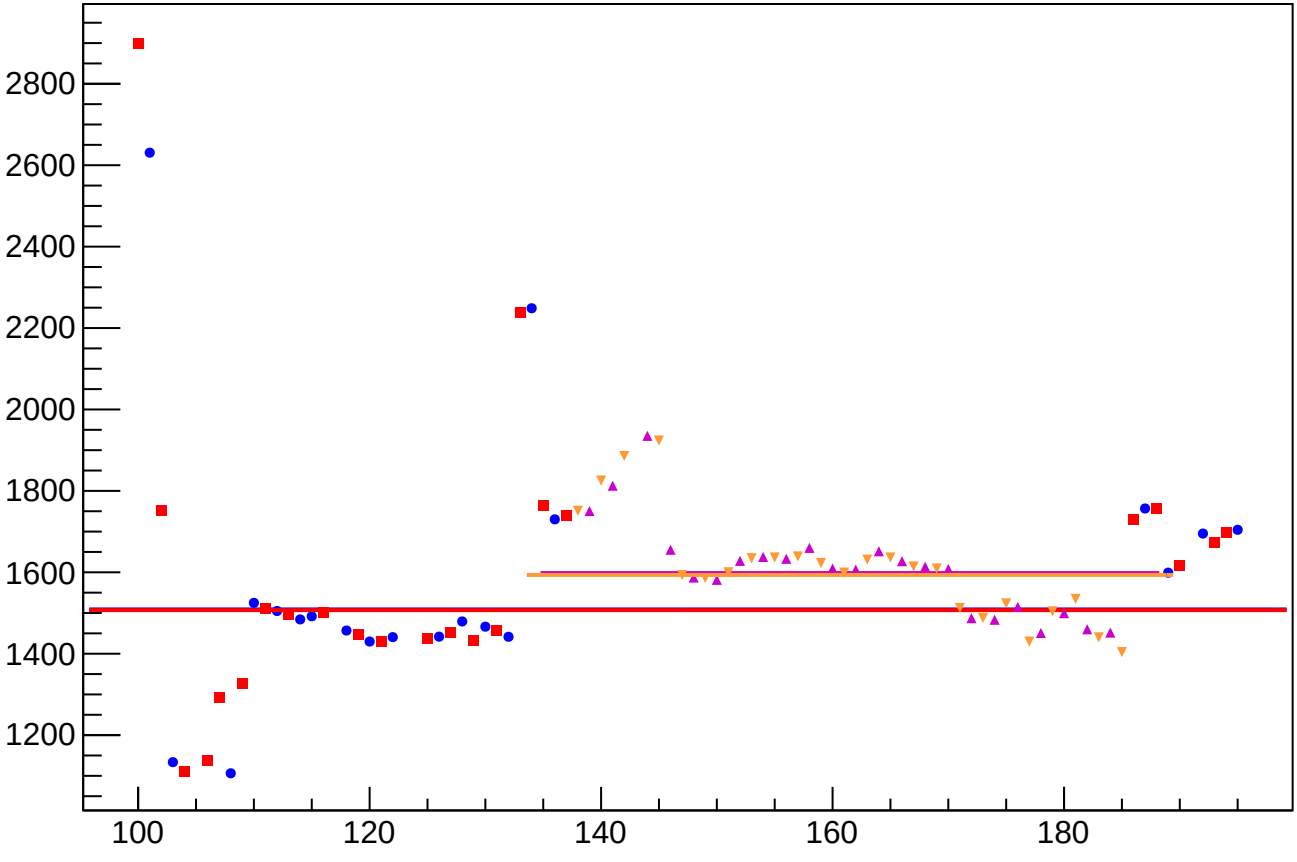
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 296.911+/-295.809 χ^2/NDF: 70.5/43

All: 385.882+/-208.173 χ^2/NDF: 106.0/89

\- sign 473.178+/-293.014 χ^2/NDF: 35.3/45

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

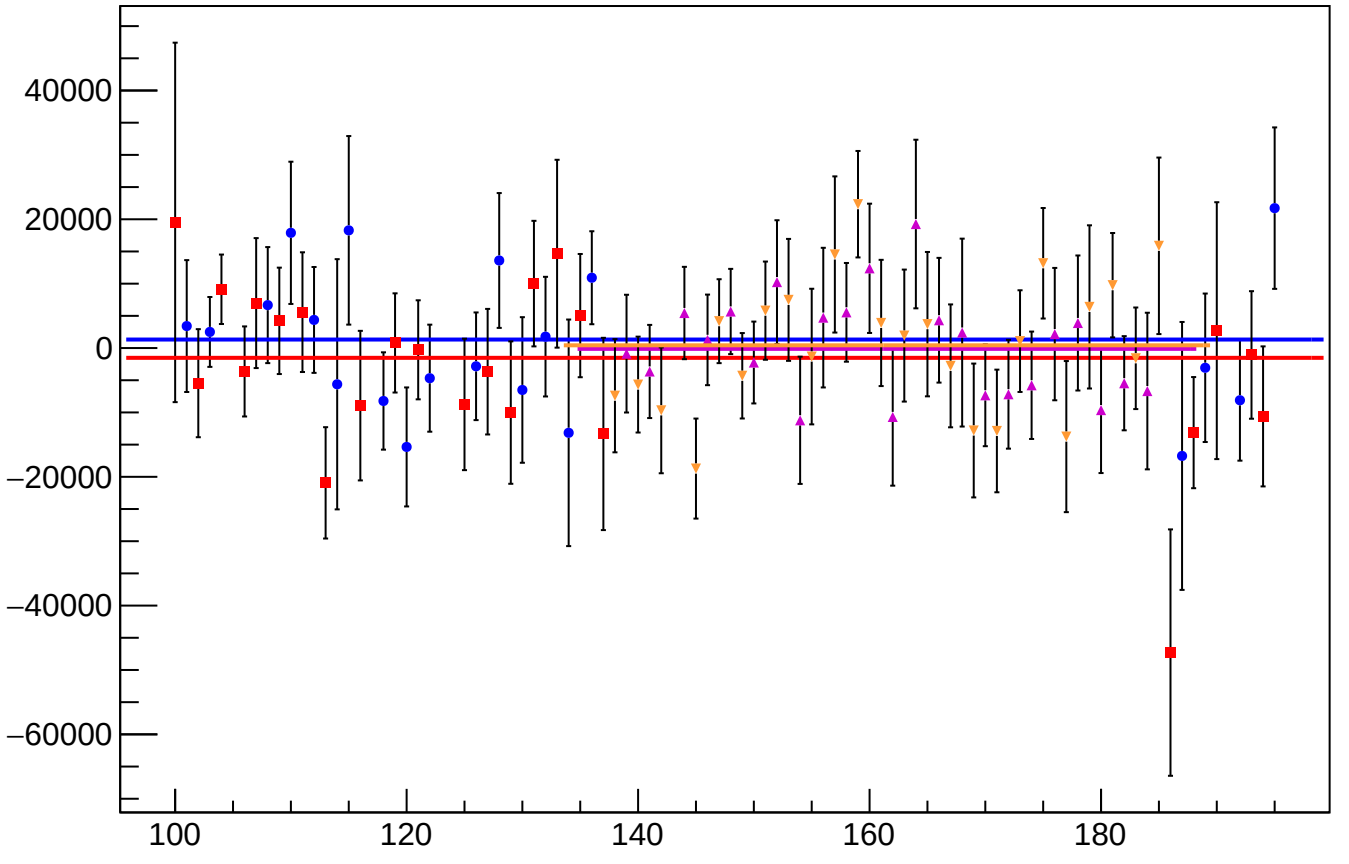
Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.4/43

All: 1562.753+/-0.147 χ^2/NDF: 1587511.5/89

- sign 1562.864+/-0.207 χ^2/NDF: 713574.5/45



Right In: 1322.165+/-2119.531 χ^2/NDF: 18.8/19

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

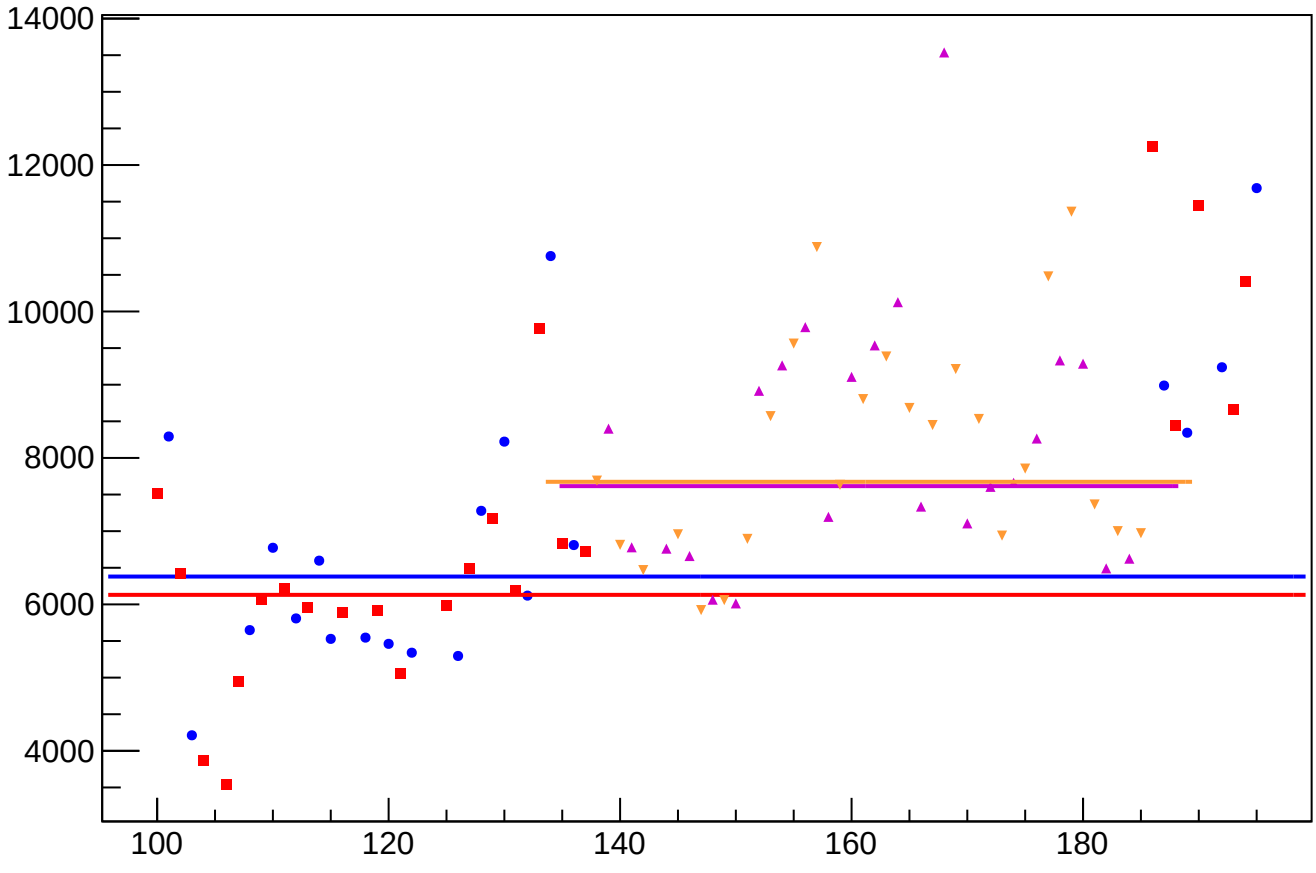
Right Out: -1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 806.711+/-1380.744 χ^2/NDF: 48.3/43

All: -5.281+/-959.918 χ^2/NDF: 88.3/89

- sign -764.871+/-1335.447 χ^2/NDF: 39.4/45



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: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

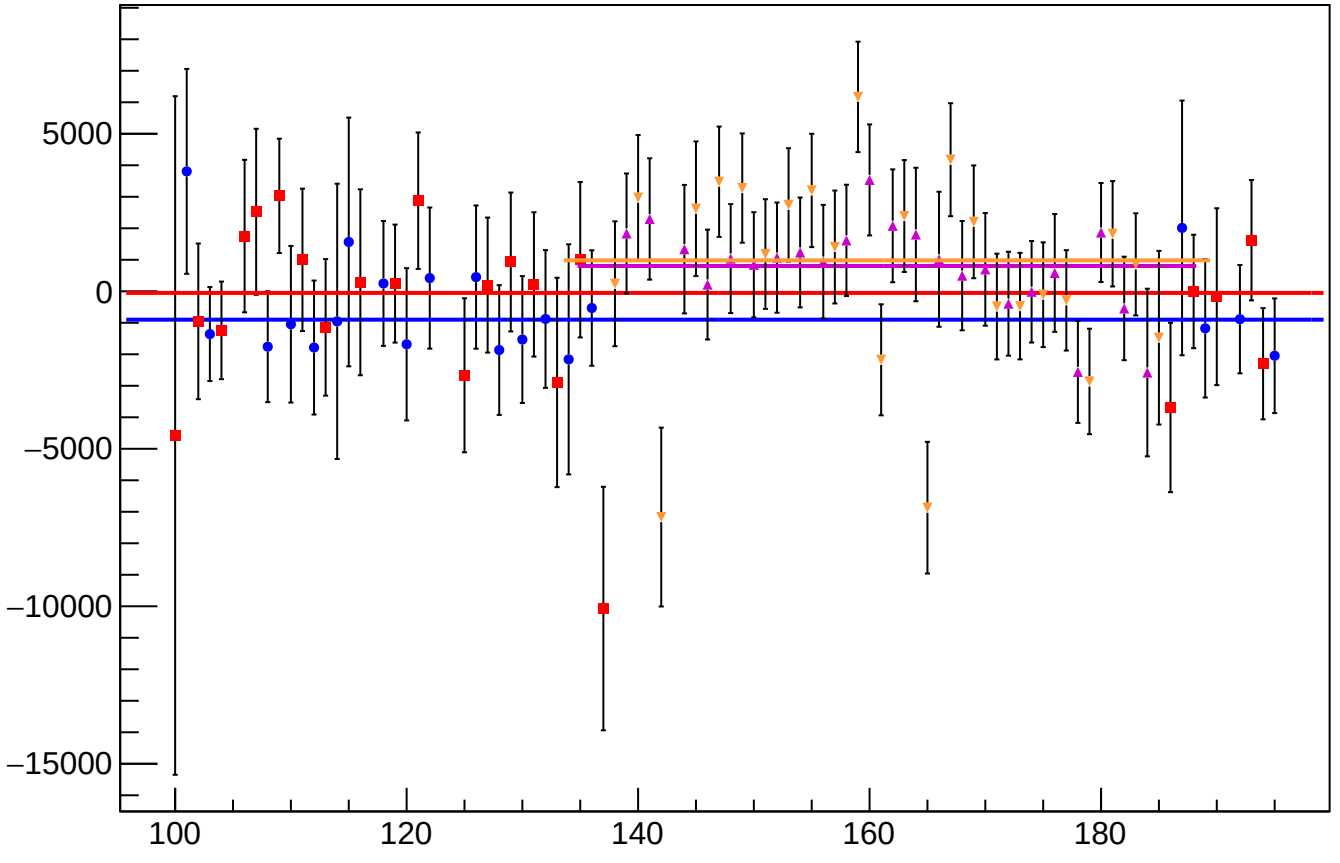
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7124.985+/-0.976 χ^2/NDF: 2869337.4/43

All: 7026.391+/-0.679 χ^2/NDF: 6521056.2/89

- sign 6934.161+/-0.944 χ^2/NDF: 3631981.5/45

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: -51.802+/-471.373 χ^2/NDF: 20.8/22

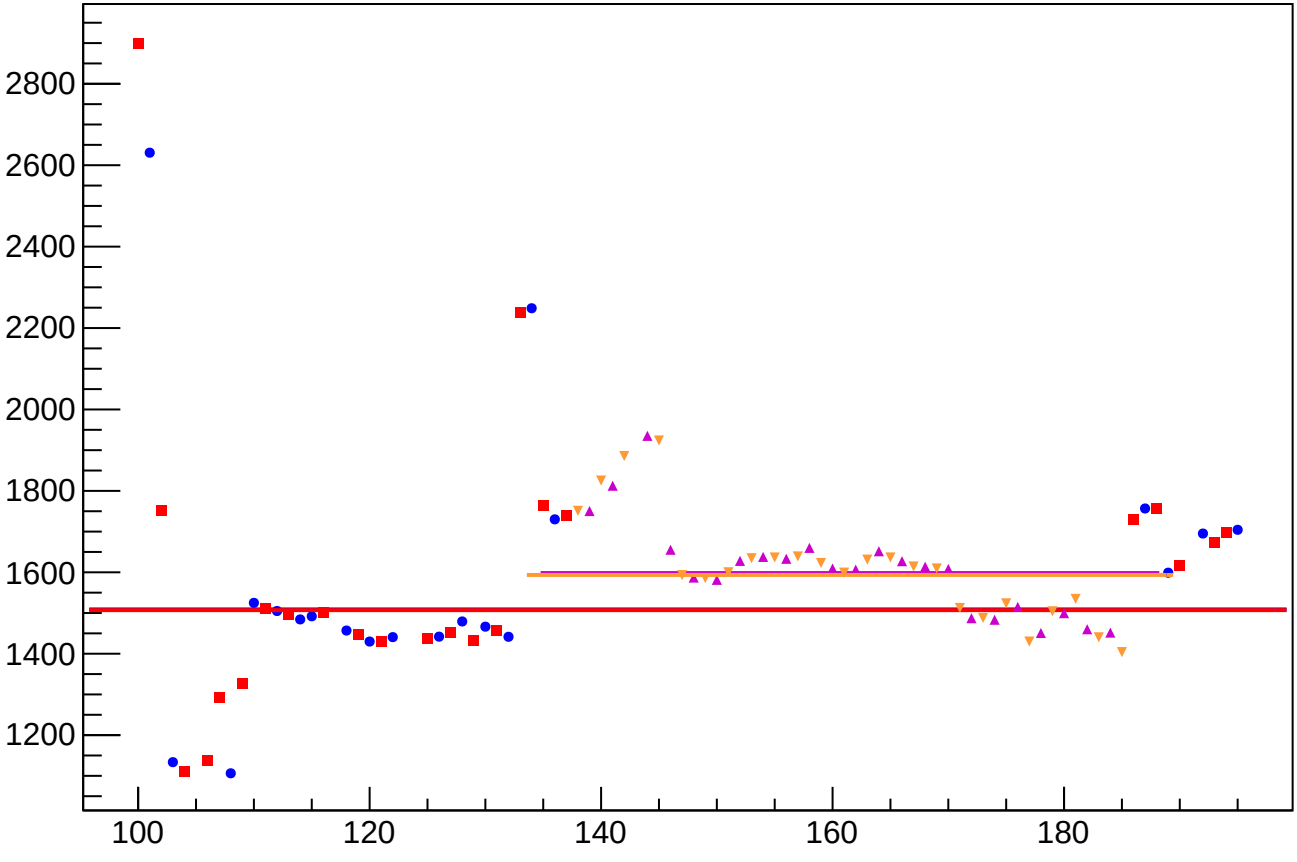
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 296.911+/-295.809 χ^2/NDF: 70.5/43

All: 385.882+/-208.173 χ^2/NDF: 106.0/89

\- sign 473.178+/-293.014 χ^2/NDF: 35.3/45

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

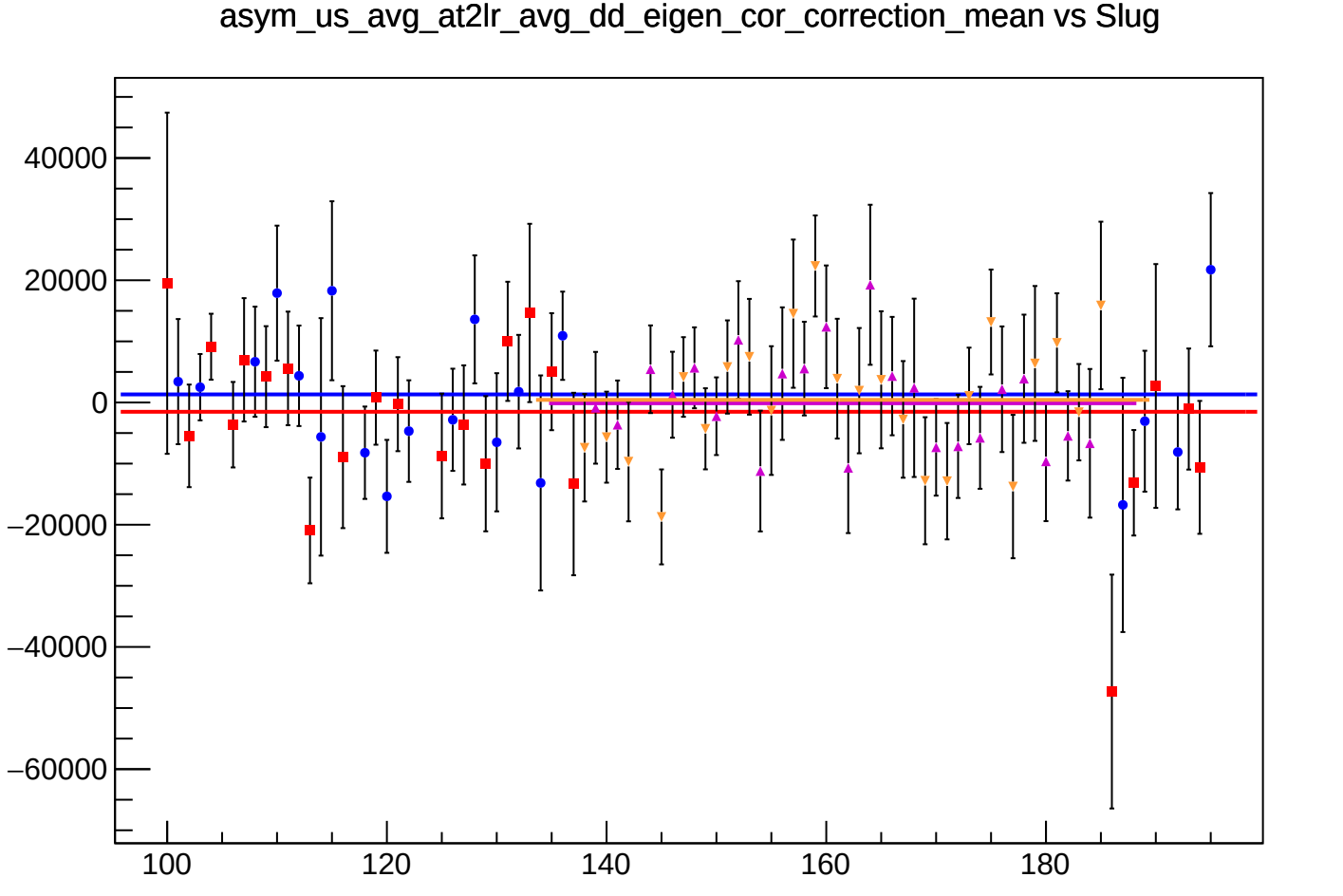
Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1562.640+/-0.209 χ^2/NDF: 873936.4/43

All: 1562.753+/-0.147 χ^2/NDF: 1587511.5/89

- sign 1562.864+/-0.207 χ^2/NDF: 713574.5/45



Right In: 1322.165+/-2119.531 χ^2/NDF: 18.8/19

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

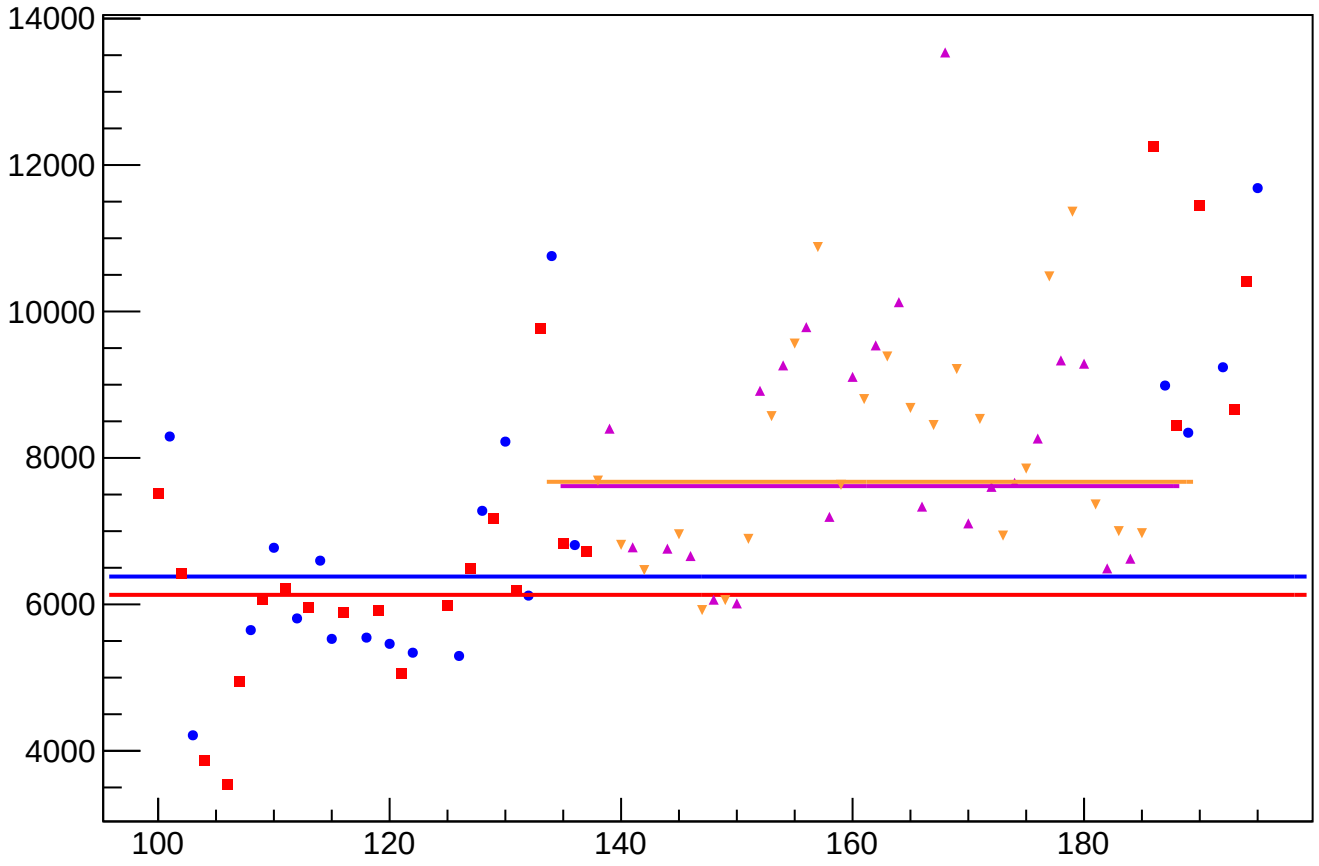
Right Out: -1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 806.711+/-1380.744 χ^2/NDF: 48.3/43

All: -5.281+/-959.918 χ^2/NDF: 88.3/89

- sign -764.871+/-1335.447 χ^2/NDF: 39.4/45



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: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

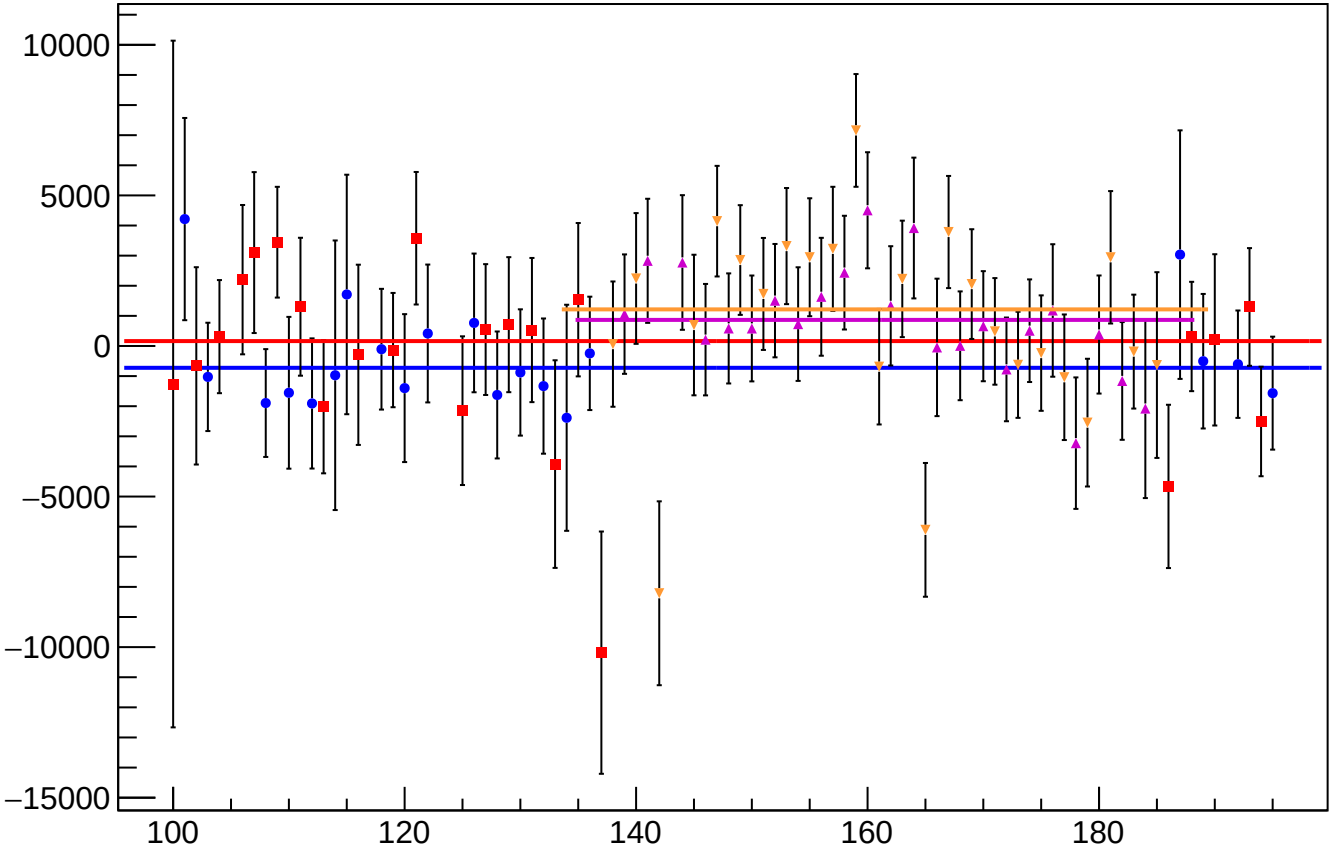
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7124.985+/-0.976 χ^2/NDF: 2869337.4/43

All: 7026.391+/-0.679 χ^2/NDF: 6521056.2/89

- sign 6934.161+/-0.944 χ^2/NDF: 3631981.5/45

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: 162.417+/-490.826 χ^2/NDF: 23.8/22

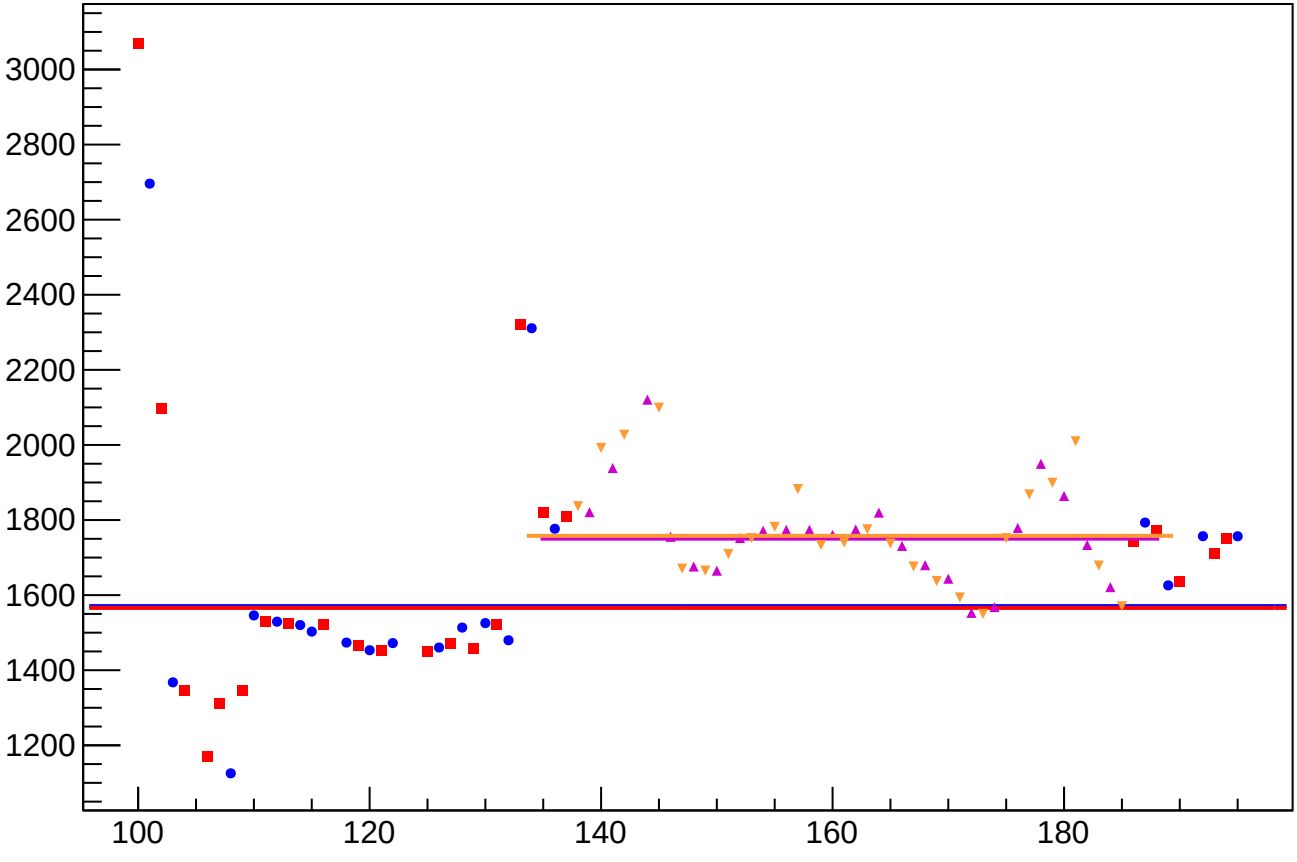
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 453.958+/-319.254 χ^2/NDF: 63.1/43

All: 516.272+/-224.112 χ^2/NDF: 103.3/89

\- sign 576.813+/-314.679 χ^2/NDF: 40.1/45

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

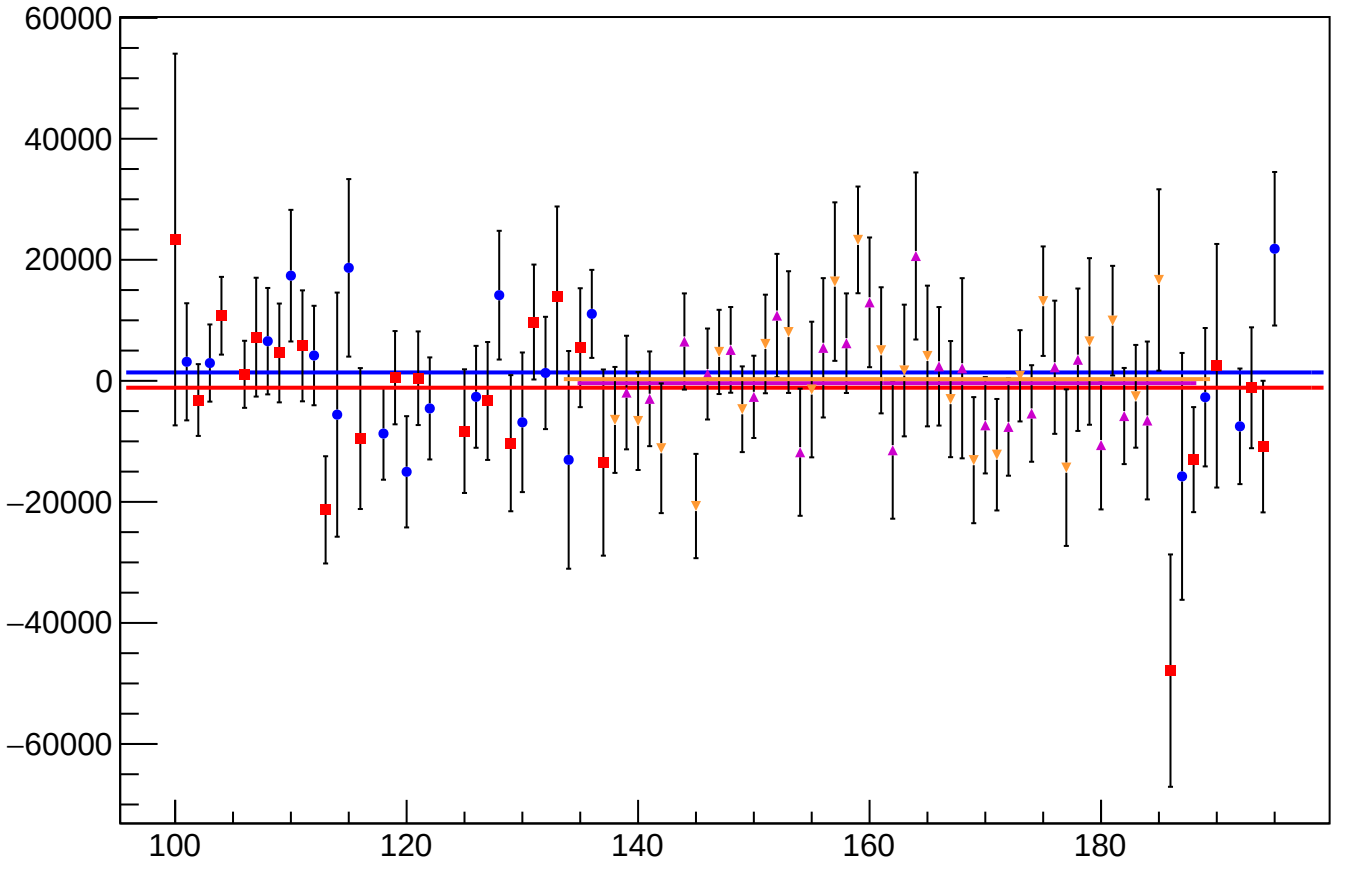
Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.5/22

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1684.519+/-0.226 χ^2/NDF: 926223.8/43

All: 1679.495+/-0.158 χ^2/NDF: 1694944.4/89

- sign 1674.615+/-0.222 χ^2/NDF: 767744.3/45



Right In: 1387.562+/-2166.668 χ^2/NDF: 18.6/19

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

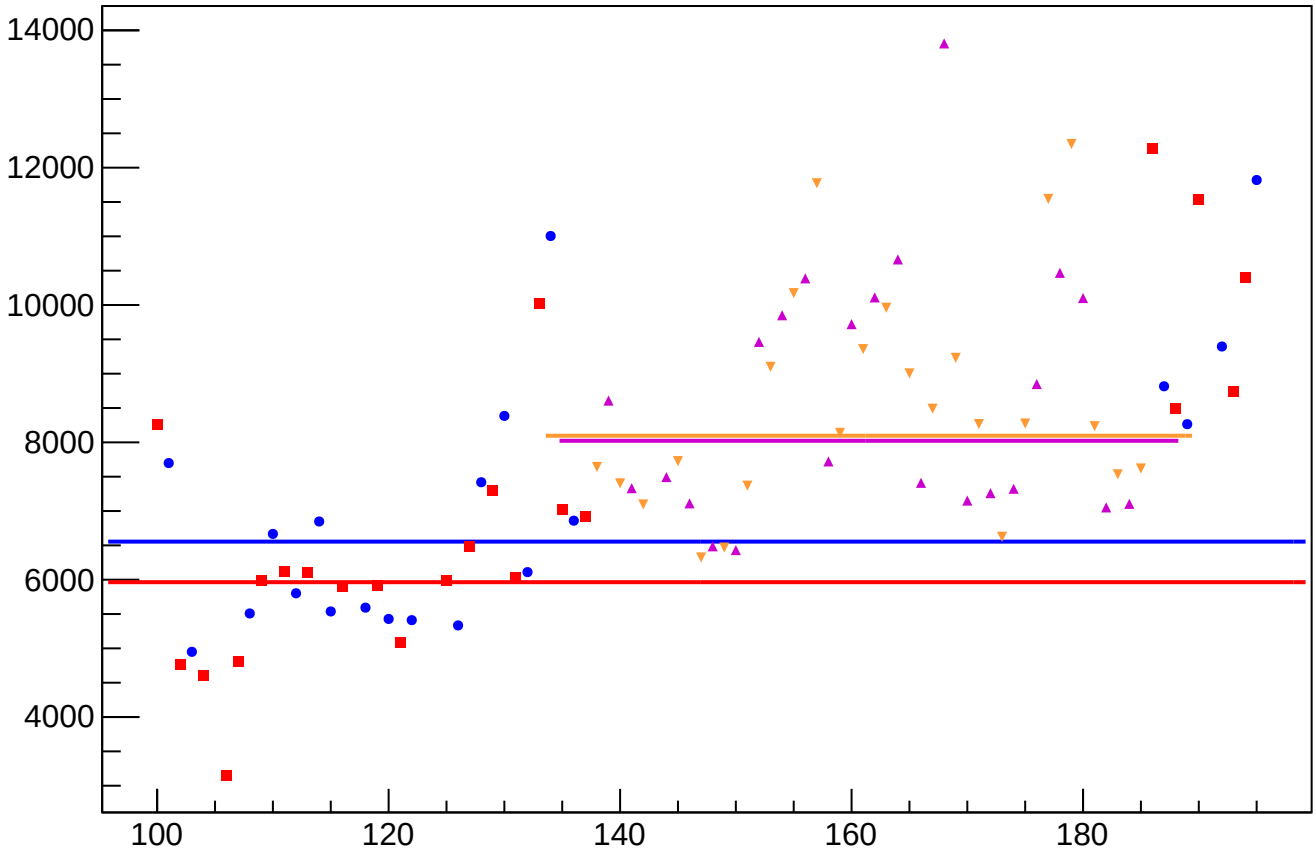
Right Out: -1134.858+/-1916.003 χ^2/NDF: 25.2/22

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 769.969+/-1437.033 χ^2/NDF: 47.4/43

All: -39.718+/-985.291 χ^2/NDF: 86.8/89

- sign -758.048+/-1353.538 χ^2/NDF: 38.9/45



Right In: 6554.534+/-1.532 χ^2/NDF: 1135721.8/19

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

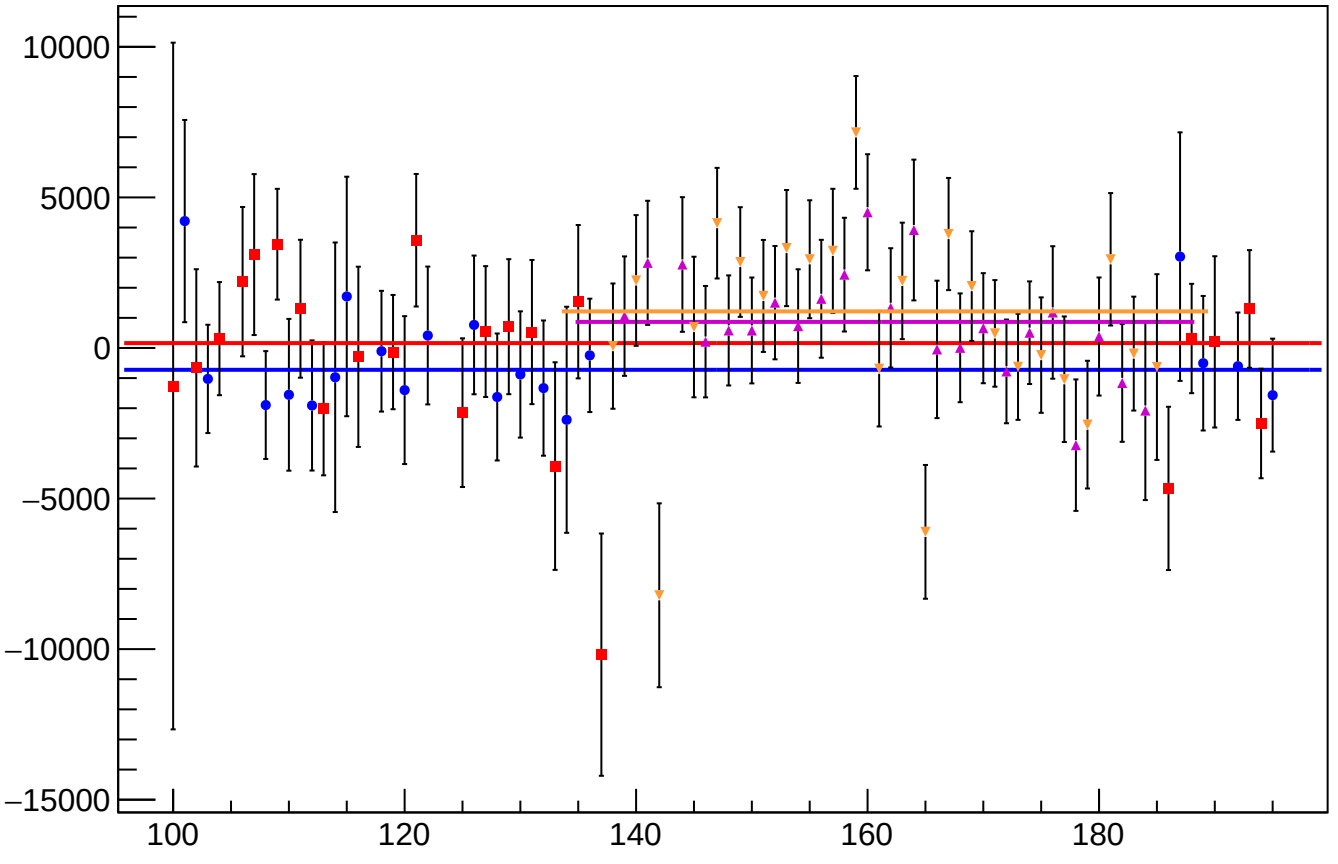
Right Out: 5963.795+/-1.355 χ^2/NDF: 1991887.1/22

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7418.378+/-1.016 χ^2/NDF: 2791116.8/43

All: 7194.142+/-0.697 χ^2/NDF: 7257395.3/89

- sign 6995.206+/-0.957 χ^2/NDF: 4374377.9/45



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: 162.424+/-490.826 χ^2/NDF: 23.8/22

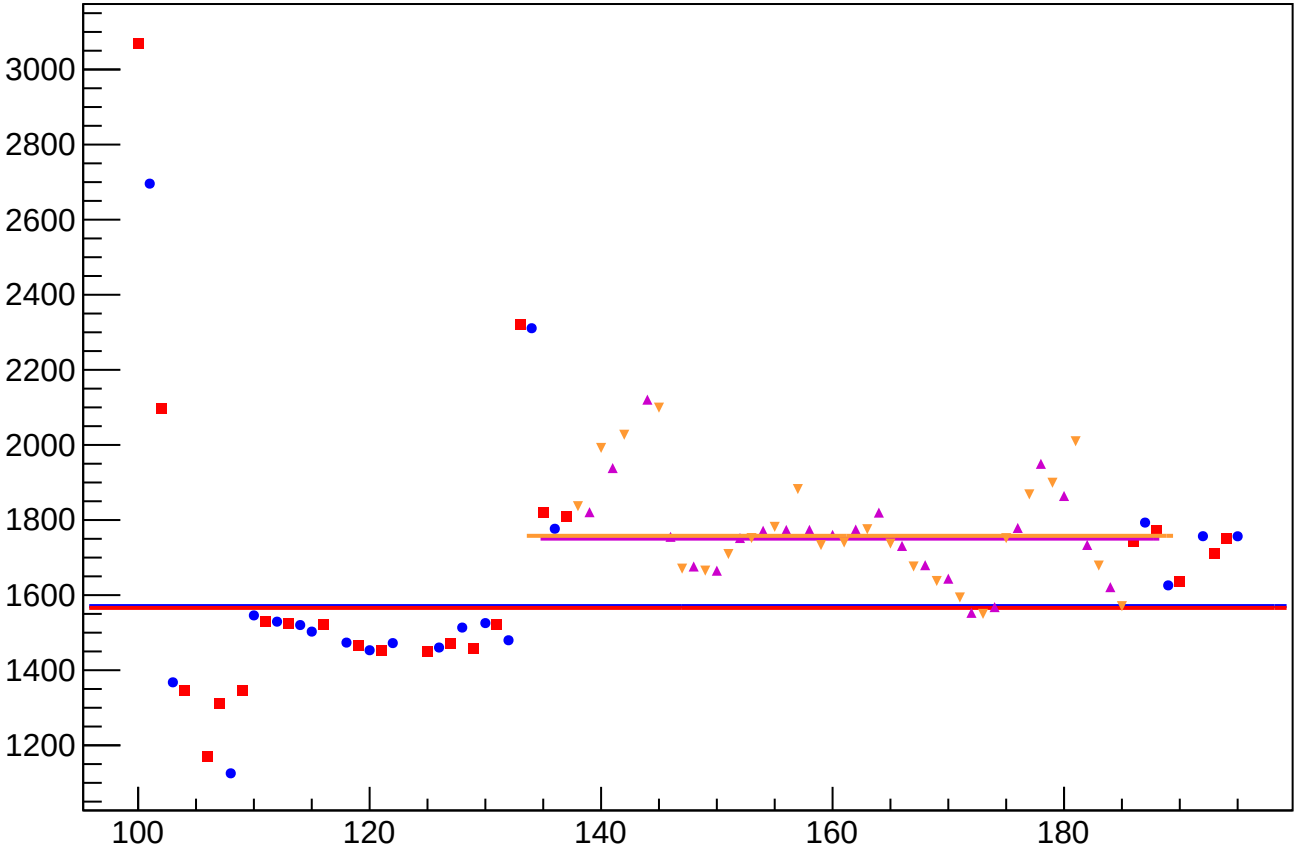
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 453.961+/-319.255 χ^2/NDF: 63.1/43

All: 516.275+/-224.112 χ^2/NDF: 103.3/89

\- sign 576.815+/-314.680 χ^2/NDF: 40.1/45

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

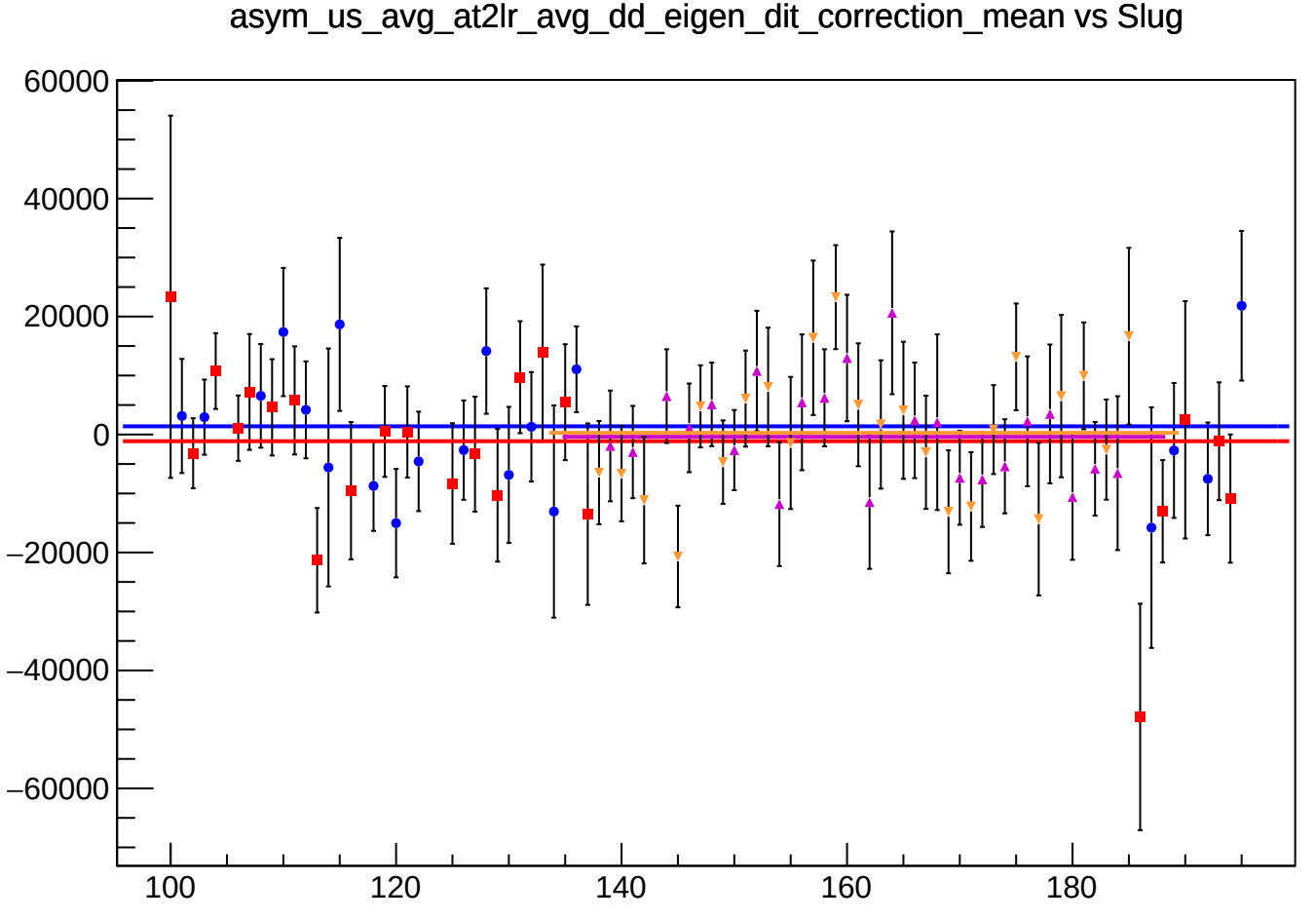
Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.6/22

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1684.520+/-0.226 χ^2/NDF: 926236.3/43

All: 1679.497+/-0.158 χ^2/NDF: 1694969.7/89

- sign 1674.617+/-0.222 χ^2/NDF: 767757.1/45



Right In: 1387.544+/-2166.665 χ^2/NDF: 18.6/19

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

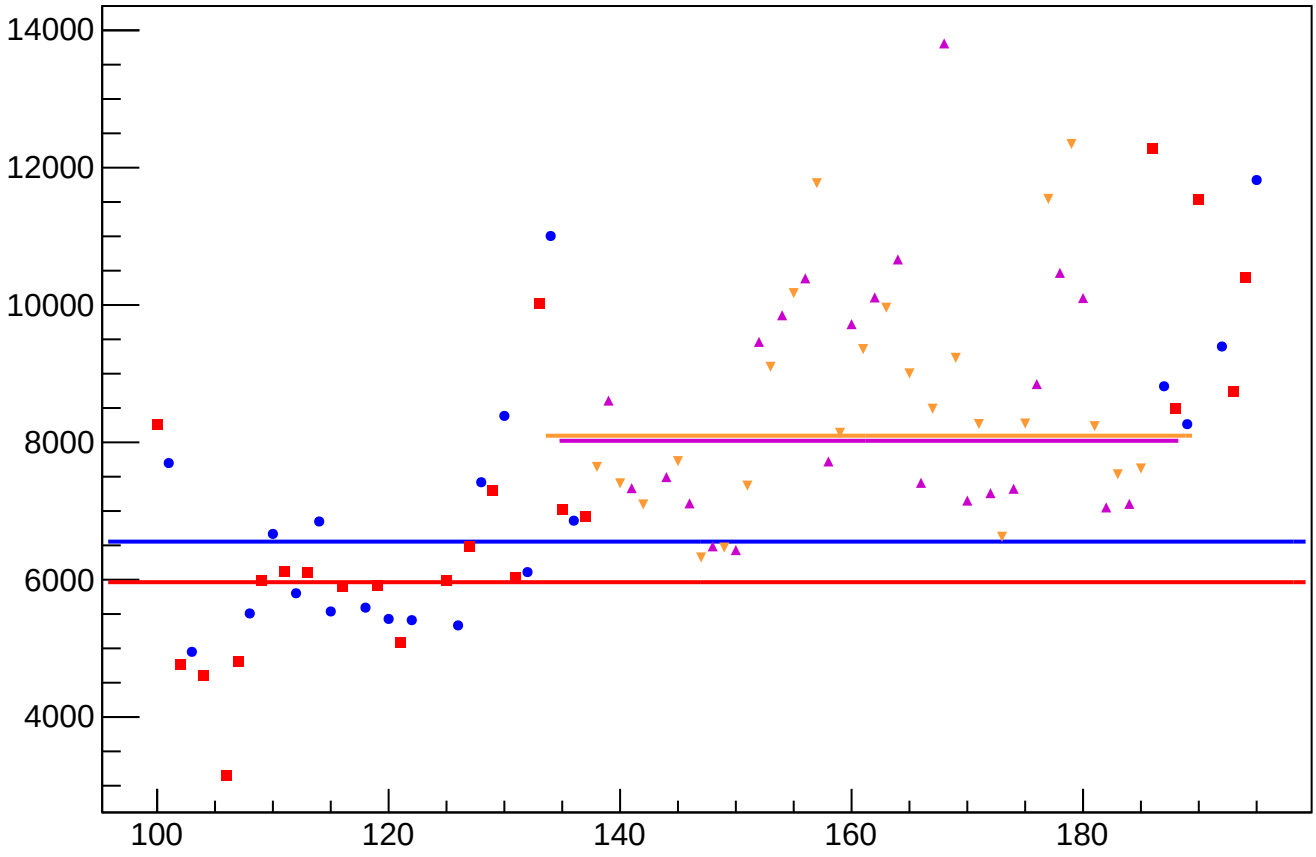
Right Out: -1134.847+/-1916.000 χ^2/NDF: 25.2/22

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 769.963+/-1437.033 χ^2/NDF: 47.4/43

All: -39.719+/-985.291 χ^2/NDF: 86.8/89

- sign -758.046+/-1353.538 χ^2/NDF: 38.9/45



Right In: 6554.521+/-1.532 χ^2/NDF: 1135733.6/19

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

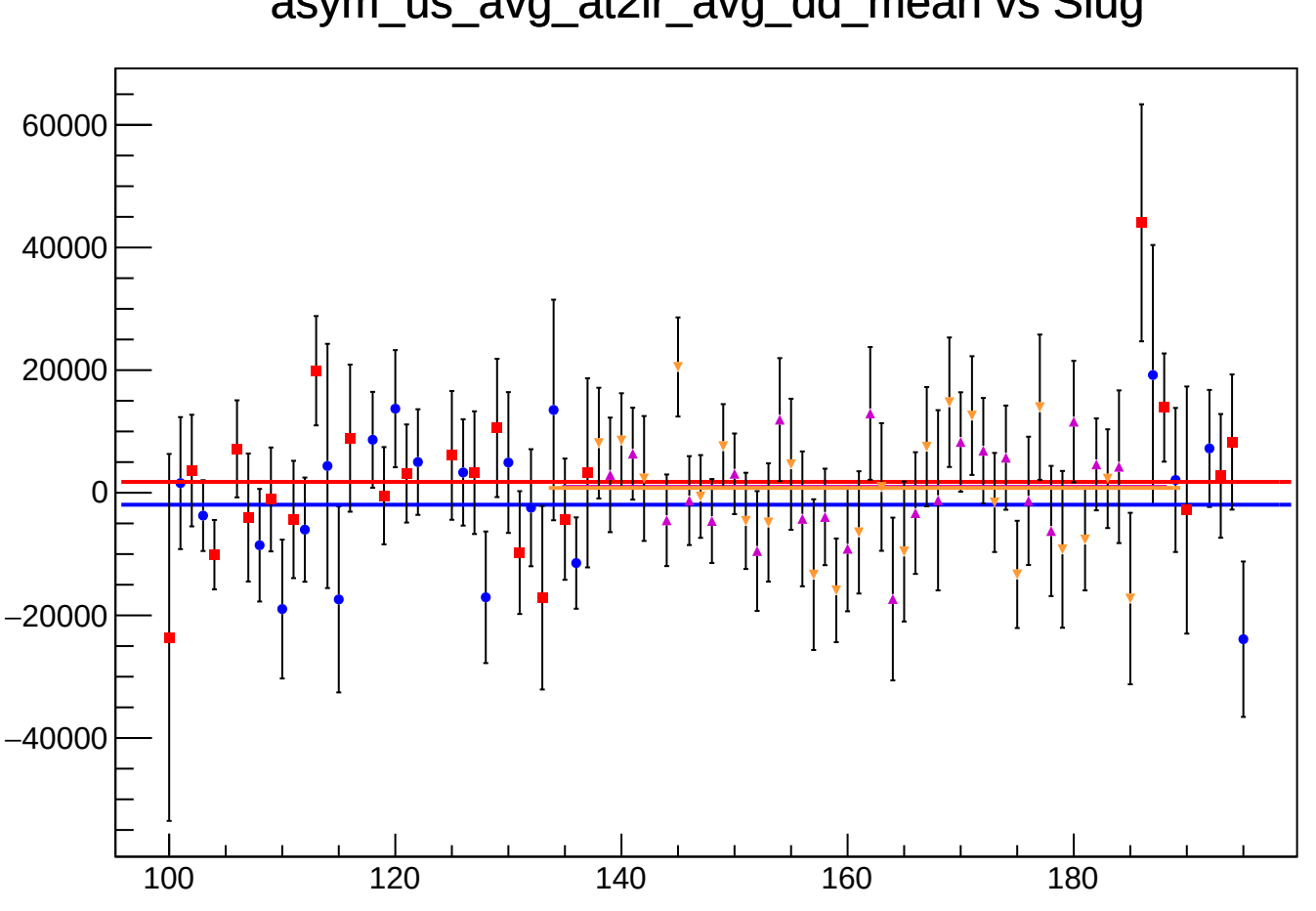
Right Out: 5963.784+/-1.355 χ^2/NDF: 1991896.4/22

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7418.377+/-1.016 χ^2/NDF: 2791149.9/43

All: 7194.140+/-0.697 χ^2/NDF: 7257468.2/89

- sign 6995.203+/-0.957 χ^2/NDF: 4374417.0/45



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: 1775.571+/-2052.747 χ^2/NDF: 22.2/22

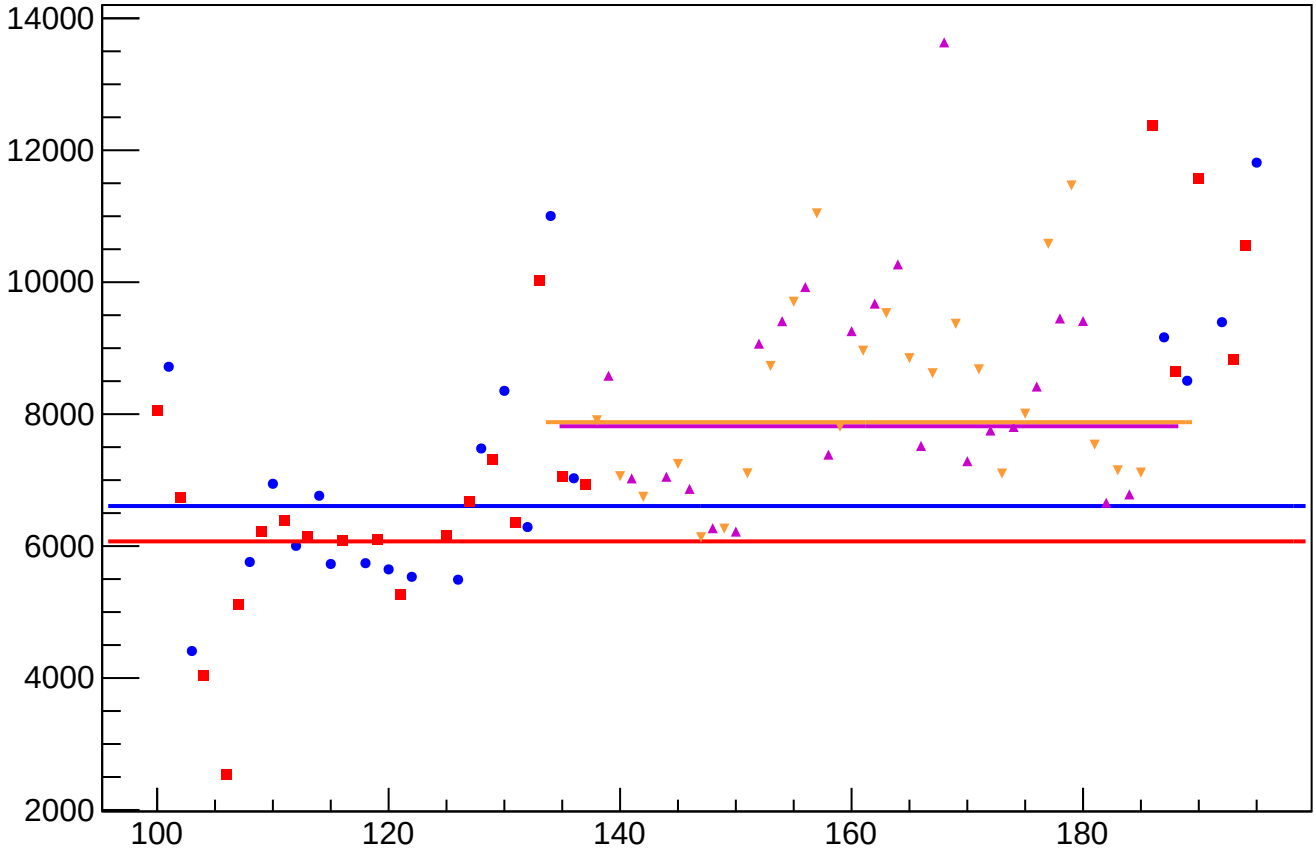
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -360.087+/-1420.504 χ^2/NDF: 47.7/43

All: 510.364+/-989.191 χ^2/NDF: 83.6/89

- sign 1329.869+/-1378.306 χ^2/NDF: 35.1/45

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

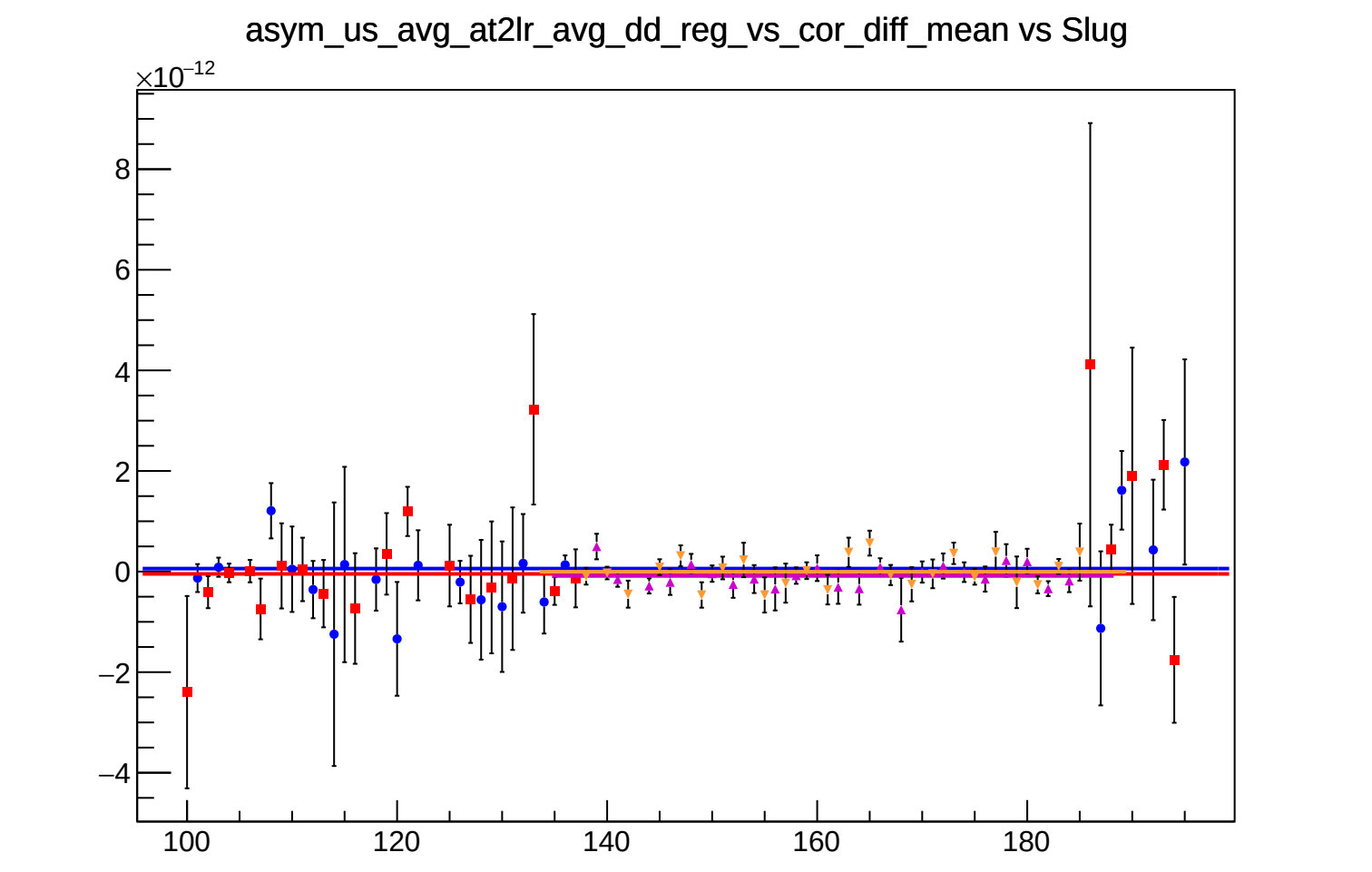
Right Out: 6071.367+/-1.407 χ^2/NDF: 2309351.0/22

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

\+ sign 7344.605+/-1.004 χ^2/NDF: 2668620.4/43

All: 7166.044+/-0.694 χ^2/NDF: 6991884.3/89

\- sign 7002.673+/-0.961 χ^2/NDF: 4262747.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

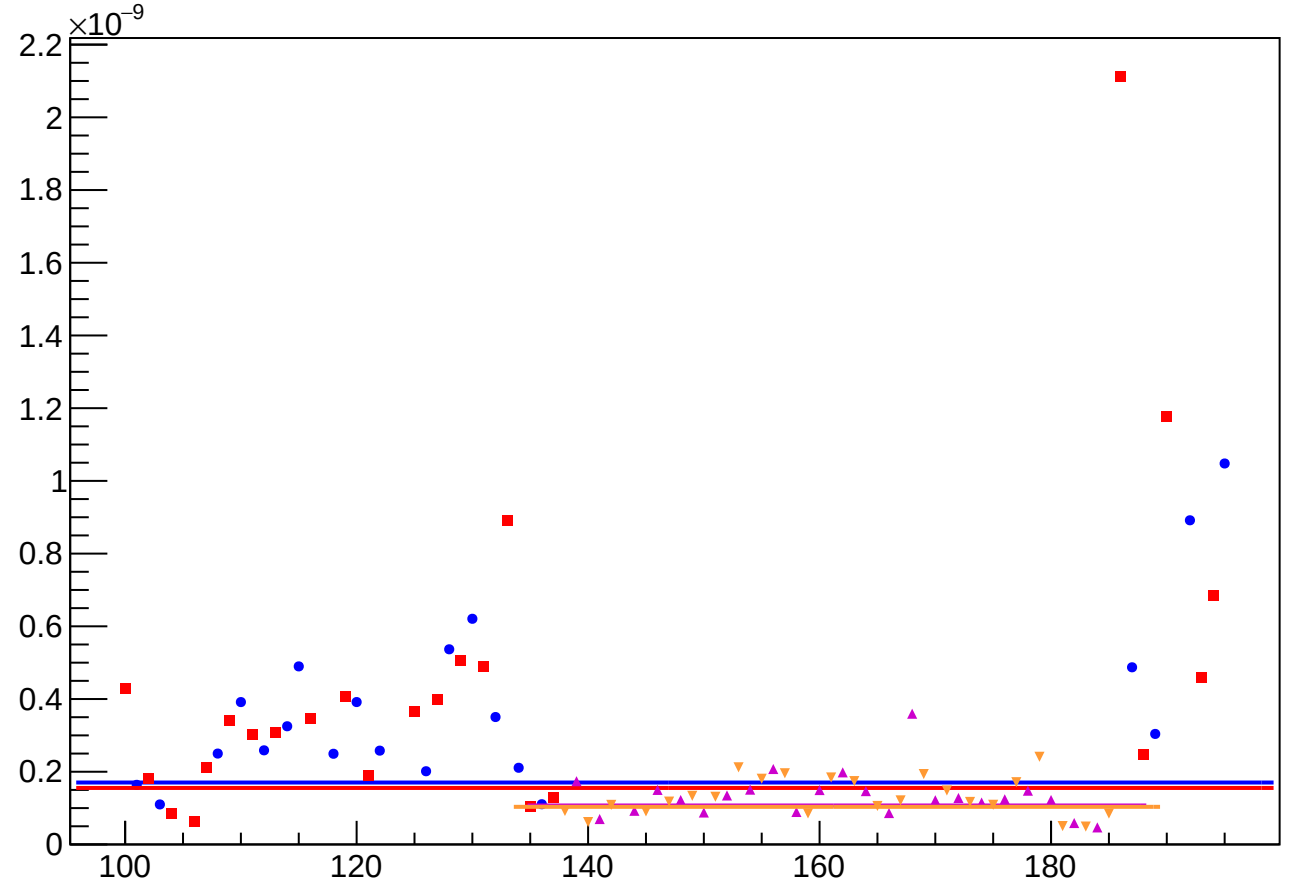
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/22

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: 92.7/89

- sign -0.000+/-0.000 χ^2/NDF: 46.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2396106.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

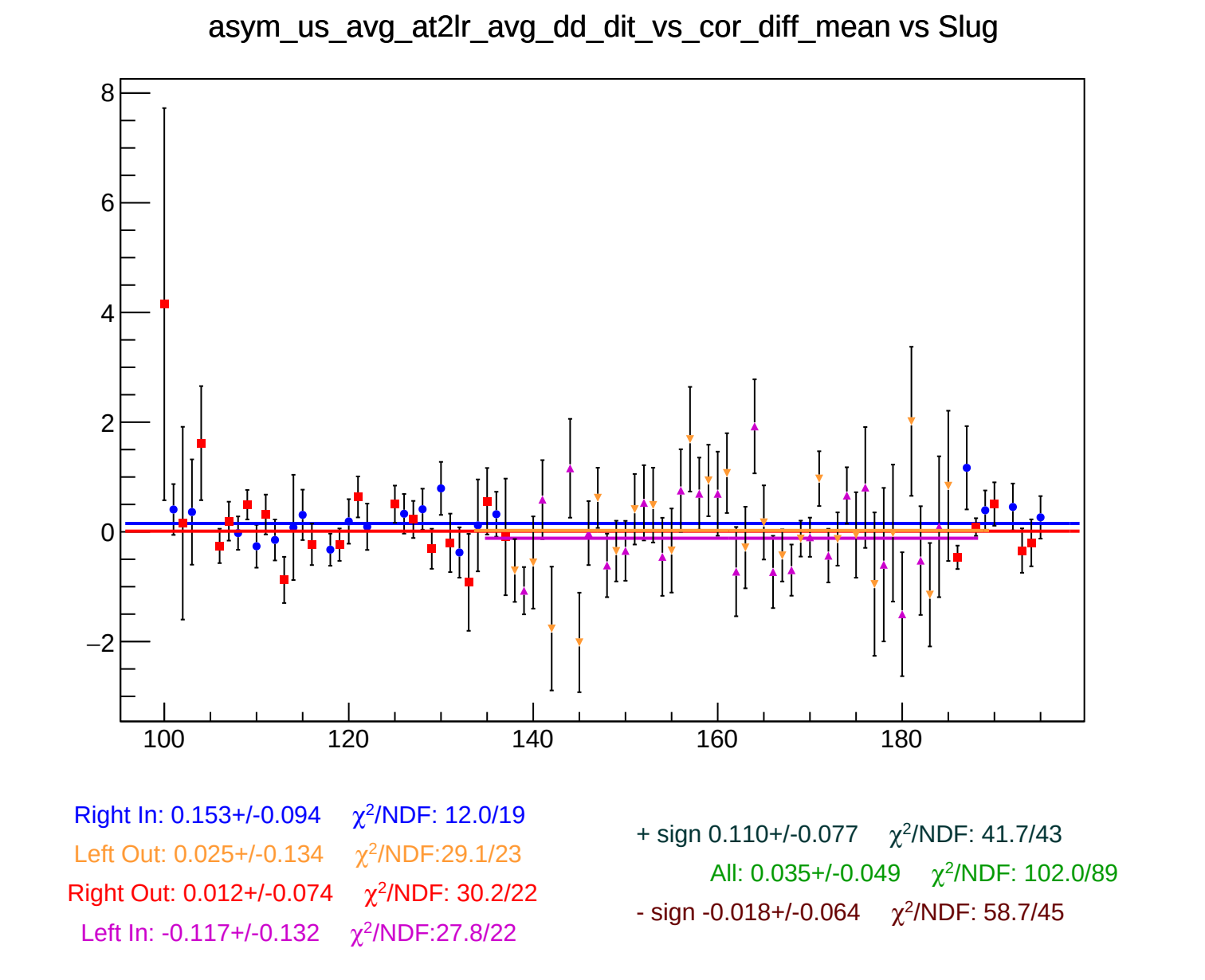
Right Out: 0.000+/-0.000 χ^2/NDF: 3515988.7/22

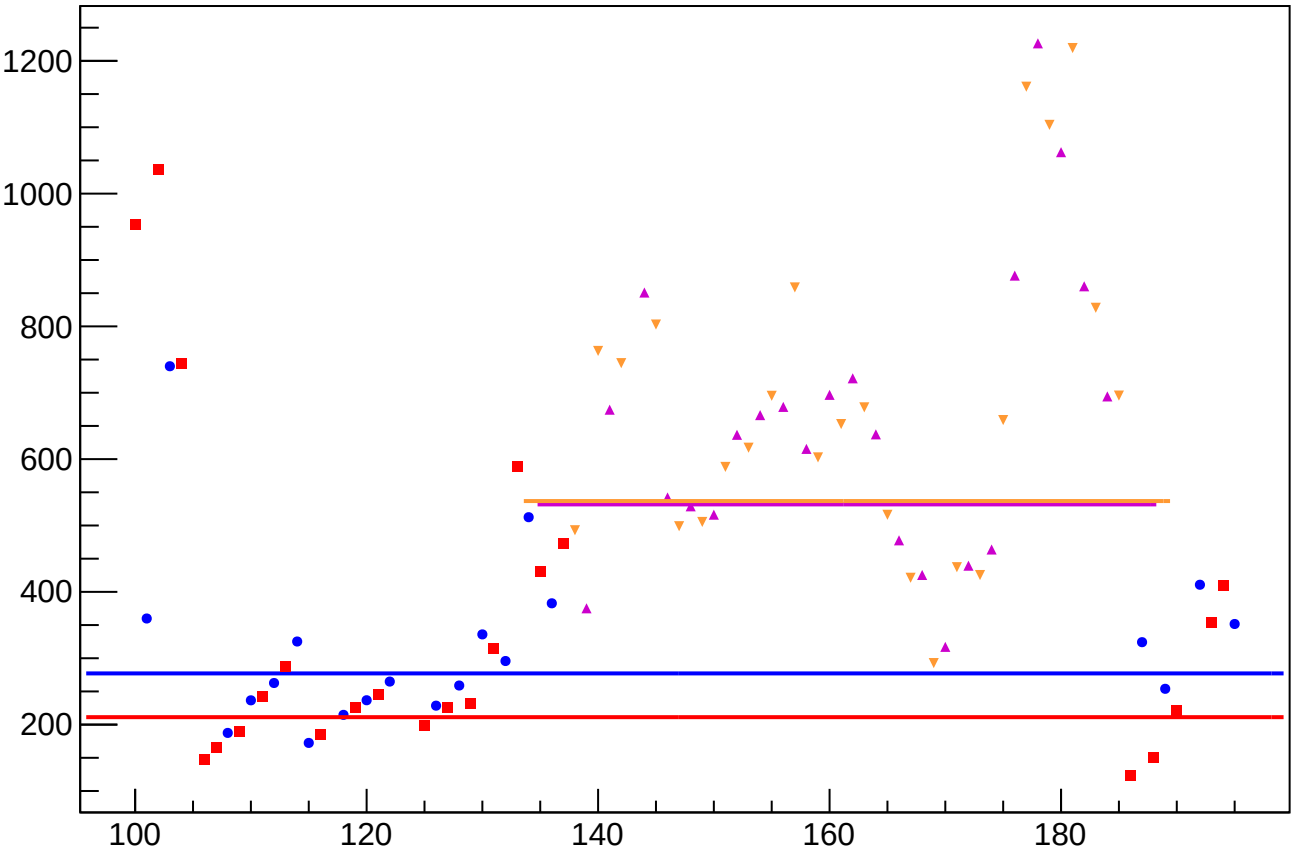
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5023196.3/43

All: 0.000+/-0.000 χ^2/NDF: 10526721.3/89

- sign 0.000+/-0.000 χ^2/NDF: 5502314.5/45


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
Right In: 0.153+/-0.094 χ²/NDF: 12.0/19
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.012+/-0.074 χ²/NDF: 30.2/22
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.110+/-0.077 χ²/NDF: 41.7/43
All: 0.035+/-0.049 χ²/NDF: 102.0/89
- sign -0.018+/-0.064 χ²/NDF: 58.7/45



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: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

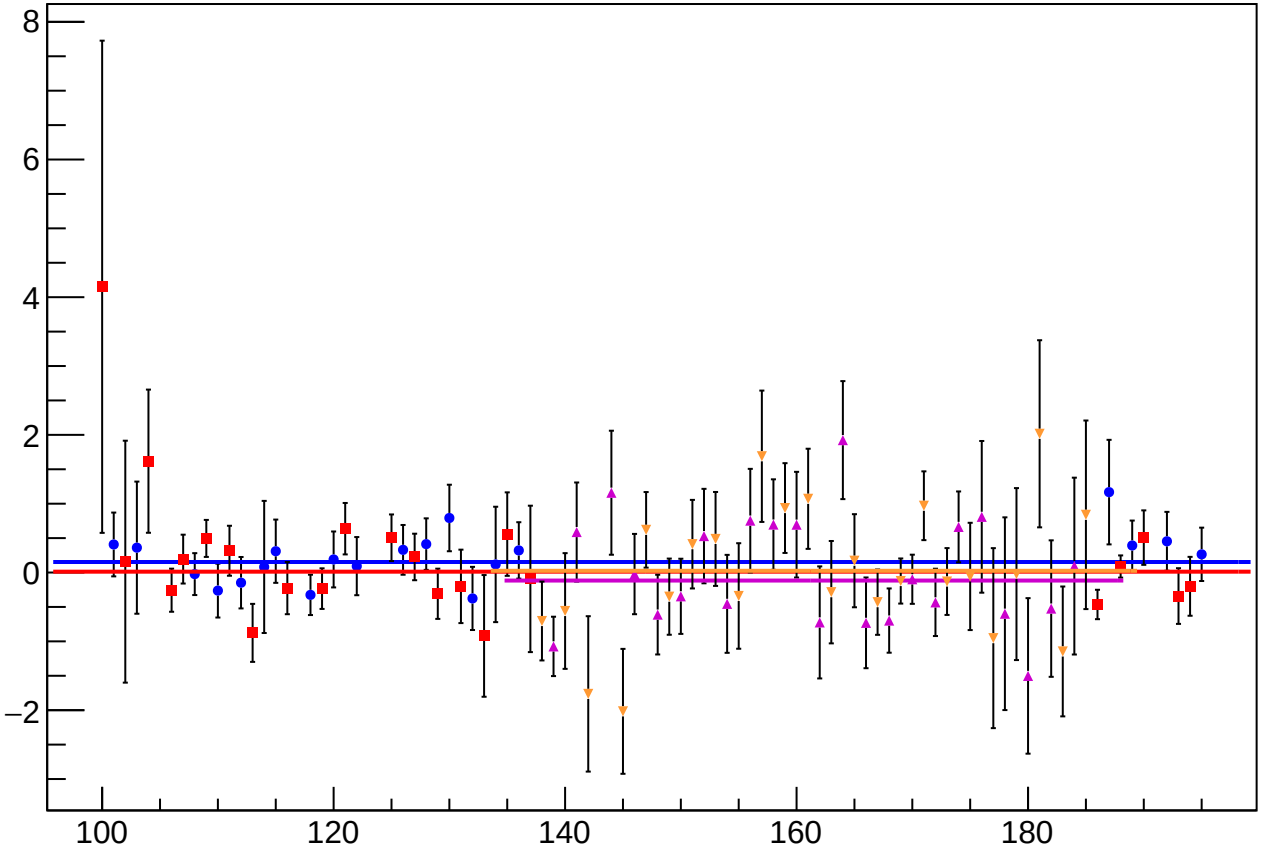
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.385+/-0.055 χ^2/NDF: 10578902.4/43

All: 318.395+/-0.035 χ^2/NDF: 27487109.9/89

- sign 287.062+/-0.046 χ^2/NDF: 15755947.8/45

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

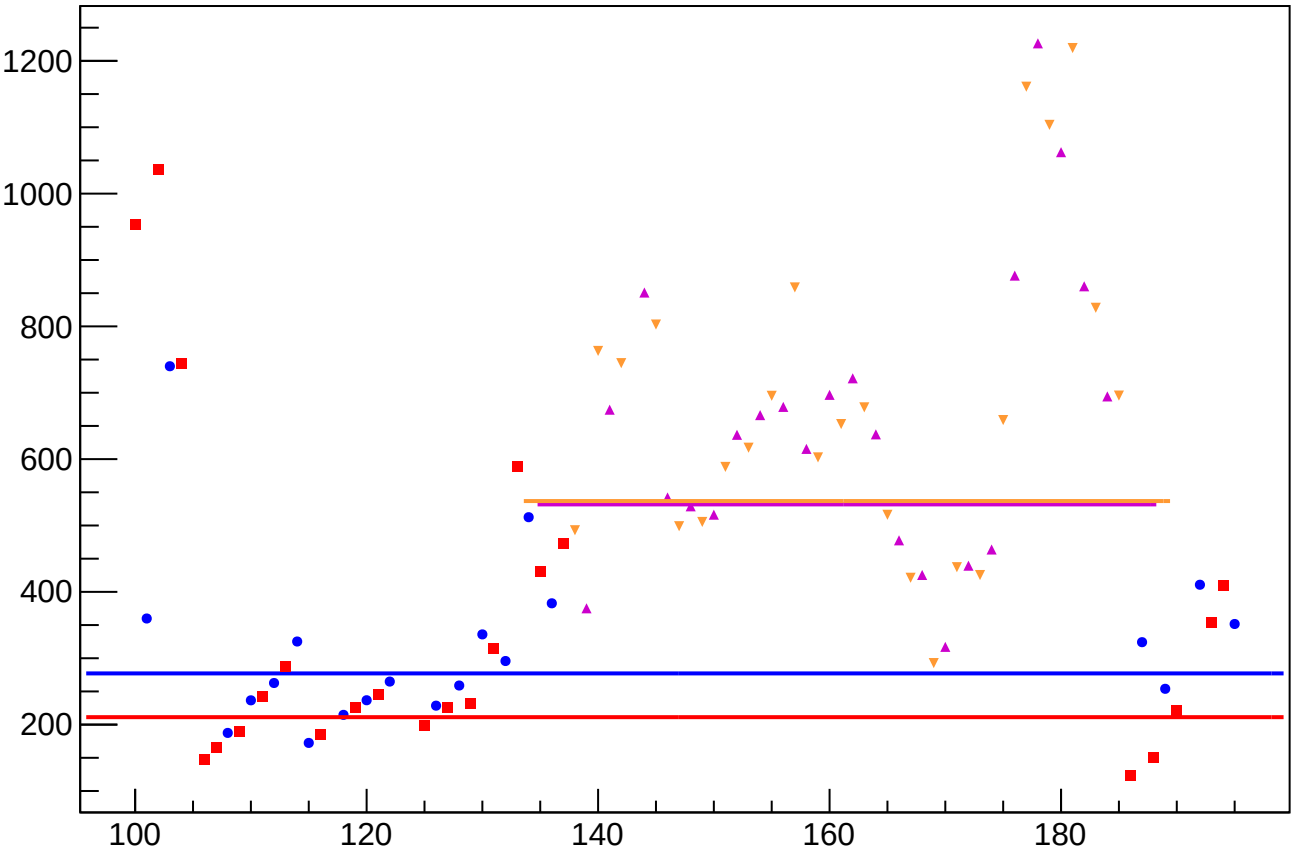
Right Out: 0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.035+/-0.049 χ^2/NDF: 102.0/89

- sign -0.018+/-0.064 χ^2/NDF: 58.7/45



Right In: 277.157+/-0.067 χ^2/NDF: 1597288.5/19

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

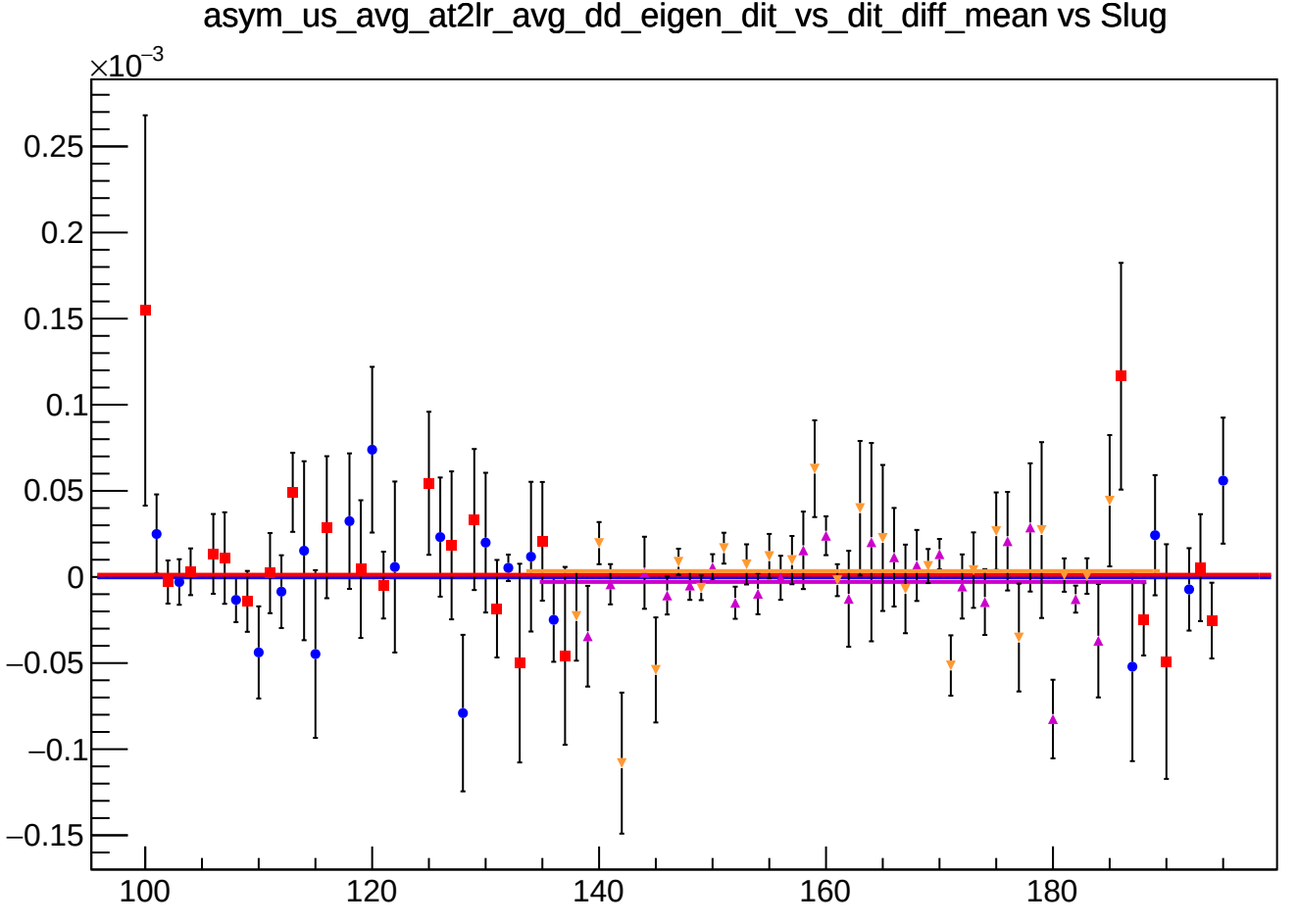
Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.385+/-0.055 χ^2/NDF: 10578902.4/43

All: 318.395+/-0.035 χ^2/NDF: 27487109.9/89

- sign 287.062+/-0.046 χ^2/NDF: 15755947.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

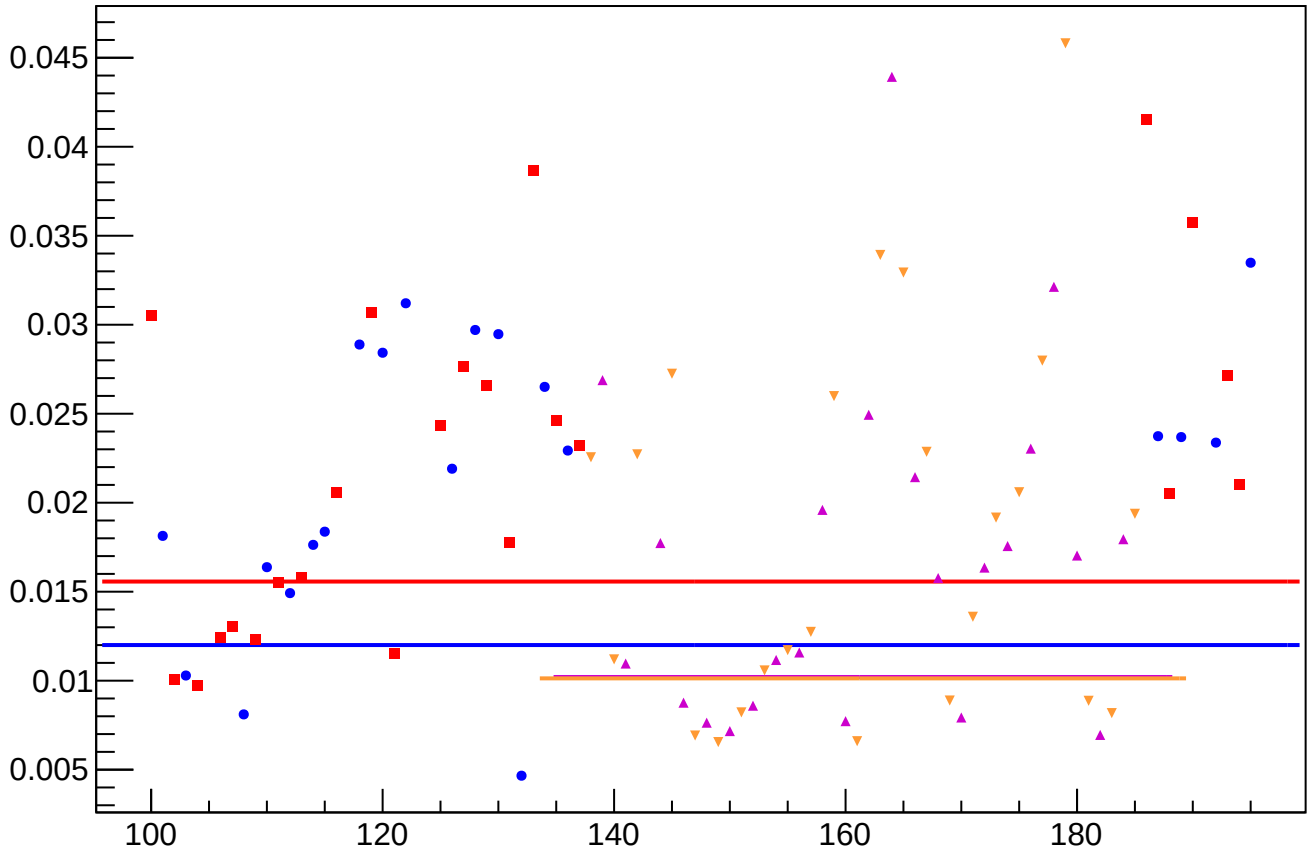
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

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: 111.6/89

- sign -0.000+/-0.000 χ^2/NDF: 52.2/45



Right In: 0.012+/-0.000 χ^2/NDF: 6156072.7/19

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

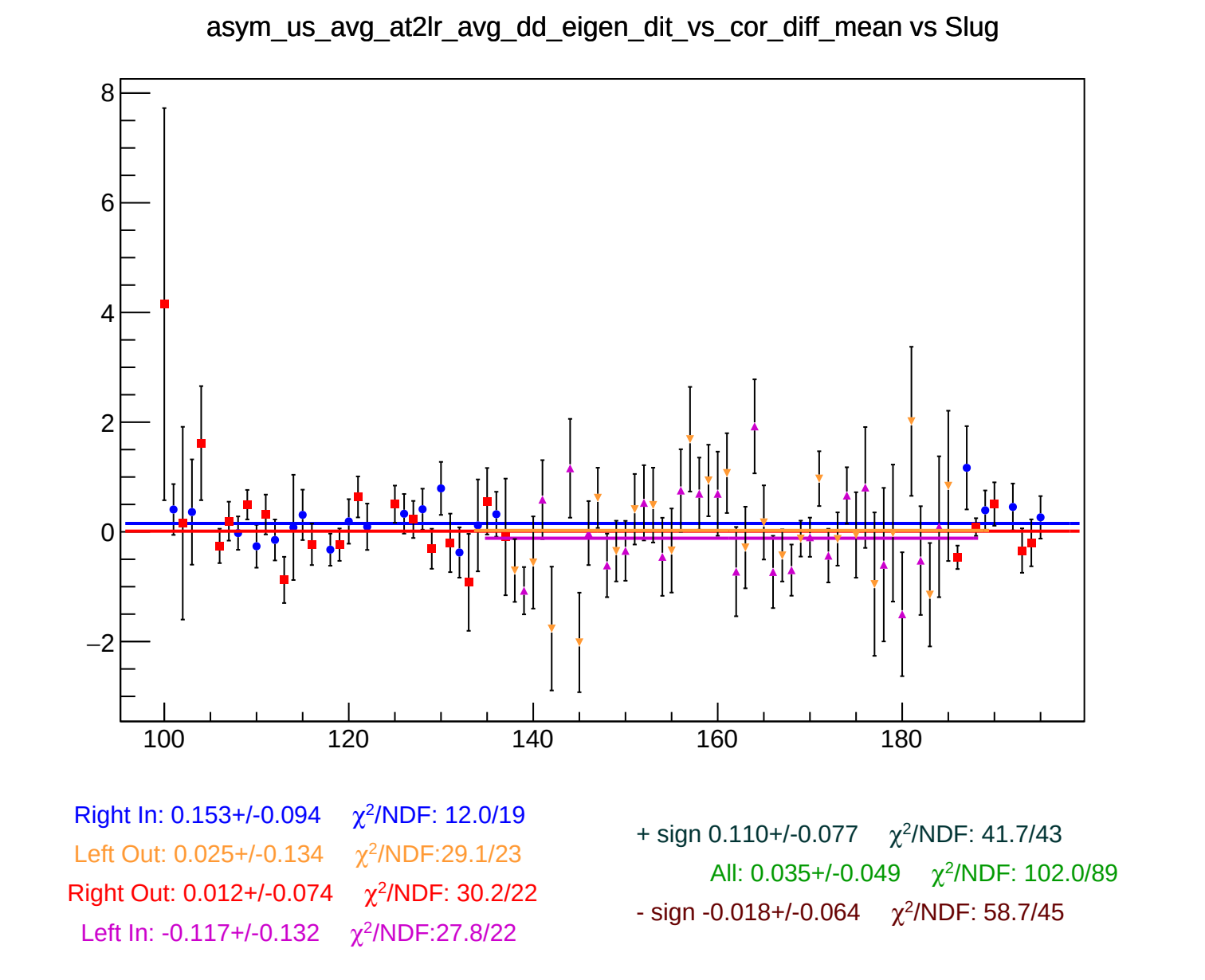
Right Out: 0.016+/-0.000 χ^2/NDF: 3218695.6/22

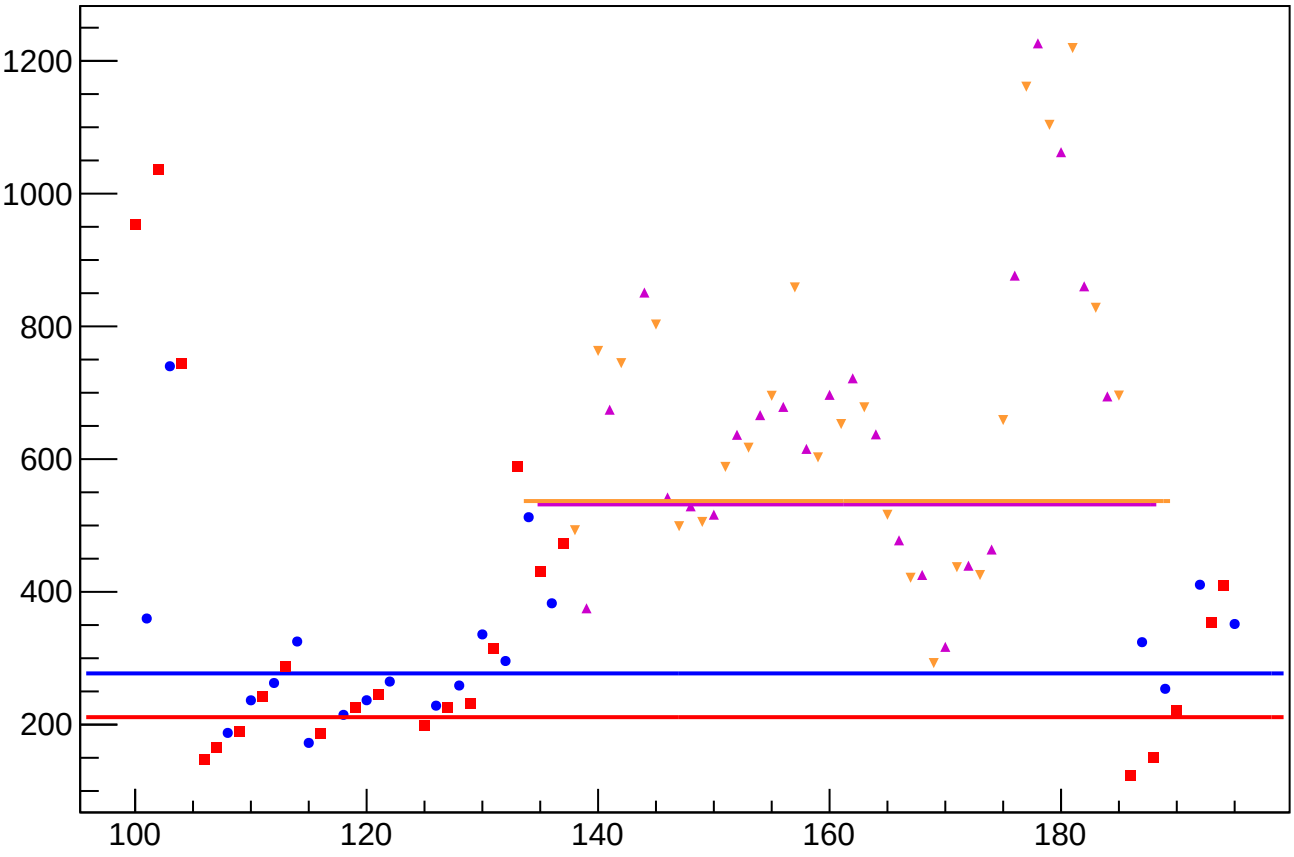
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14200906.3/43

All: 0.011+/-0.000 χ^2/NDF: 25230927.6/89

- sign 0.011+/-0.000 χ^2/NDF: 10925579.0/45


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
Right In: 0.153+/-0.094 χ²/NDF: 12.0/19
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.012+/-0.074 χ²/NDF: 30.2/22
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.110+/-0.077 χ²/NDF: 41.7/43
All: 0.035+/-0.049 χ²/NDF: 102.0/89
- sign -0.018+/-0.064 χ²/NDF: 58.7/45



Right In: 277.155+/-0.067 χ^2/NDF: 1597258.4/19

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 211.230+/-0.052 χ^2/NDF: 3434229.9/22

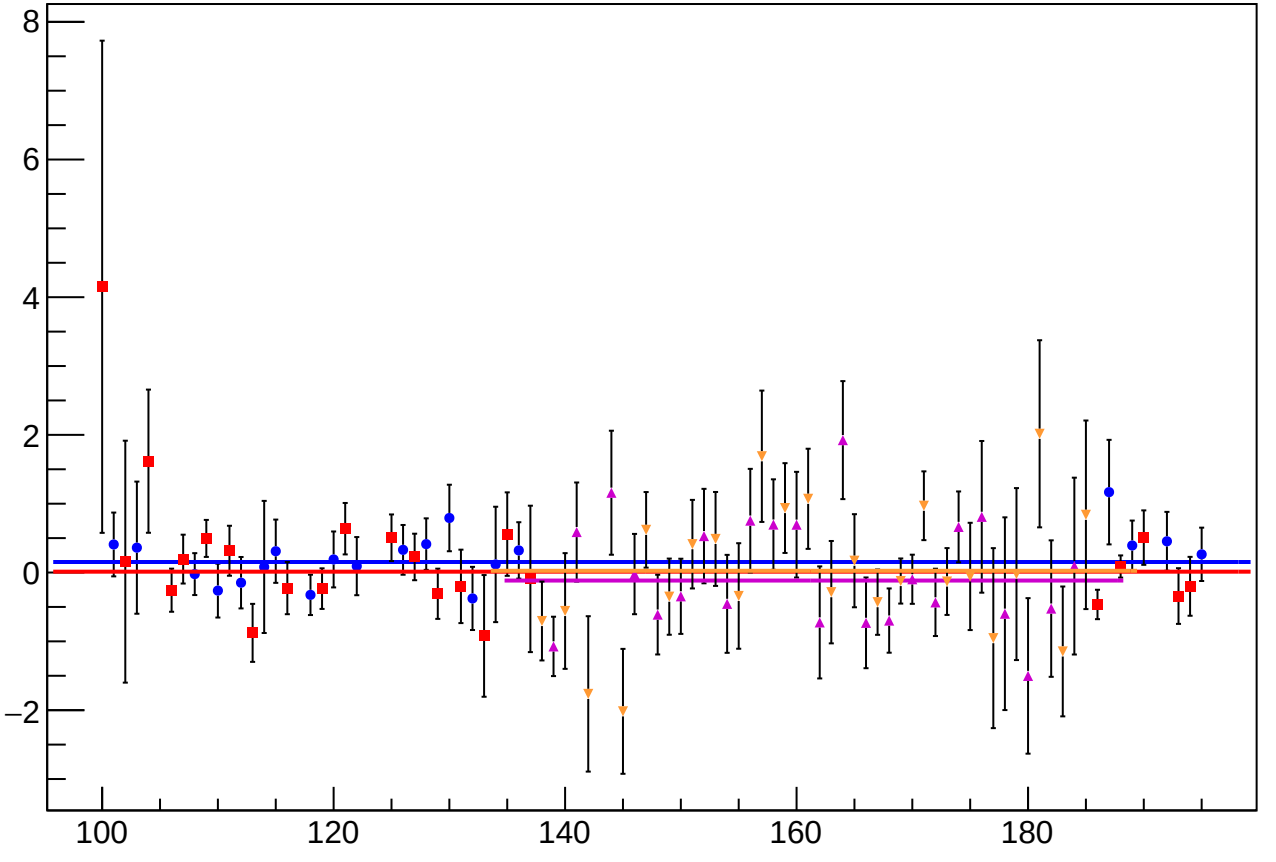
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 363.383+/-0.055 χ^2/NDF: 10579146.3/43

All: 318.392+/-0.035 χ^2/NDF: 27487813.8/89

- sign 287.058+/-0.046 χ^2/NDF: 15756377.4/45

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

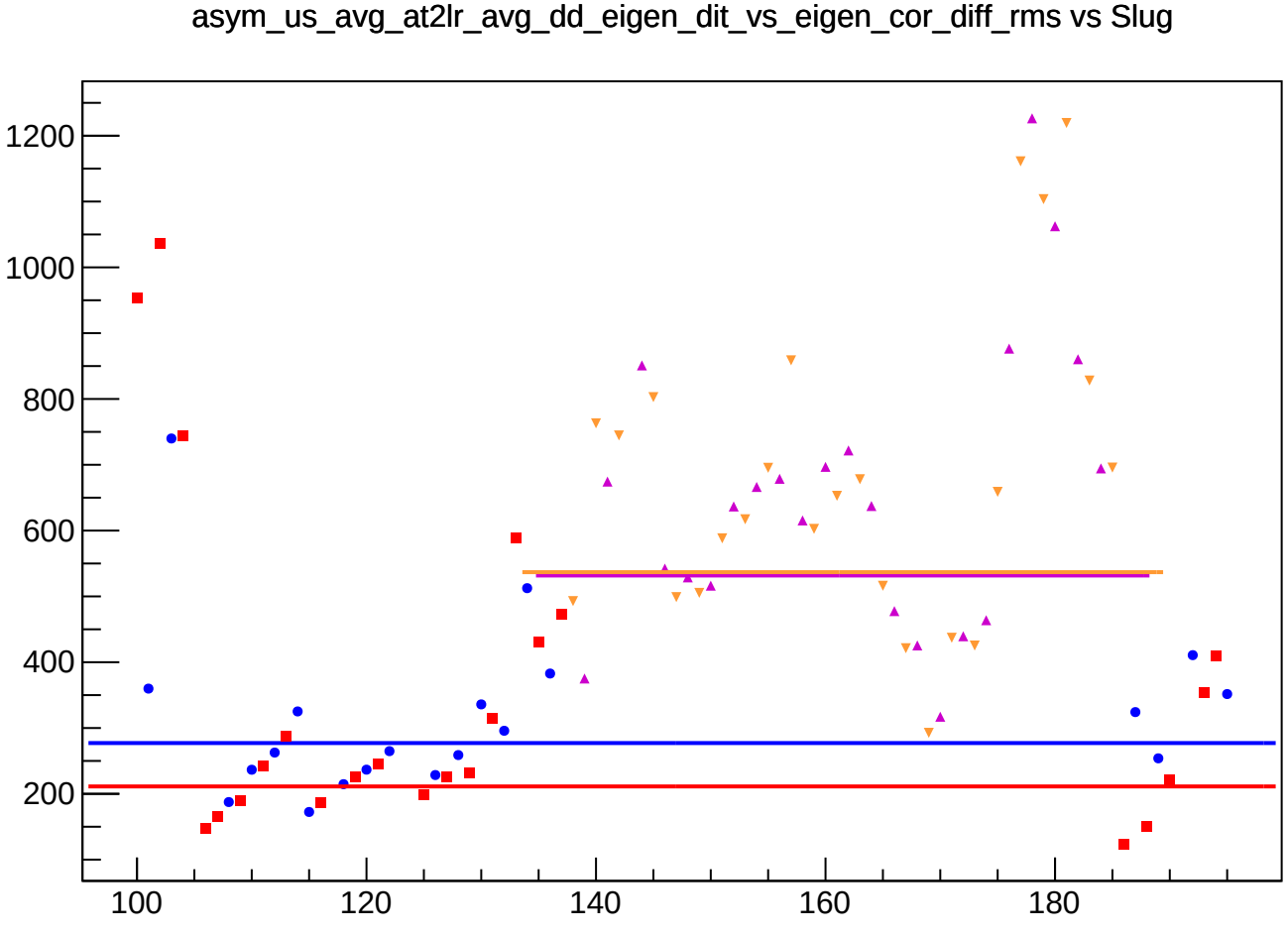
Right Out: 0.012+/-0.074 χ^2/NDF: 30.2/22

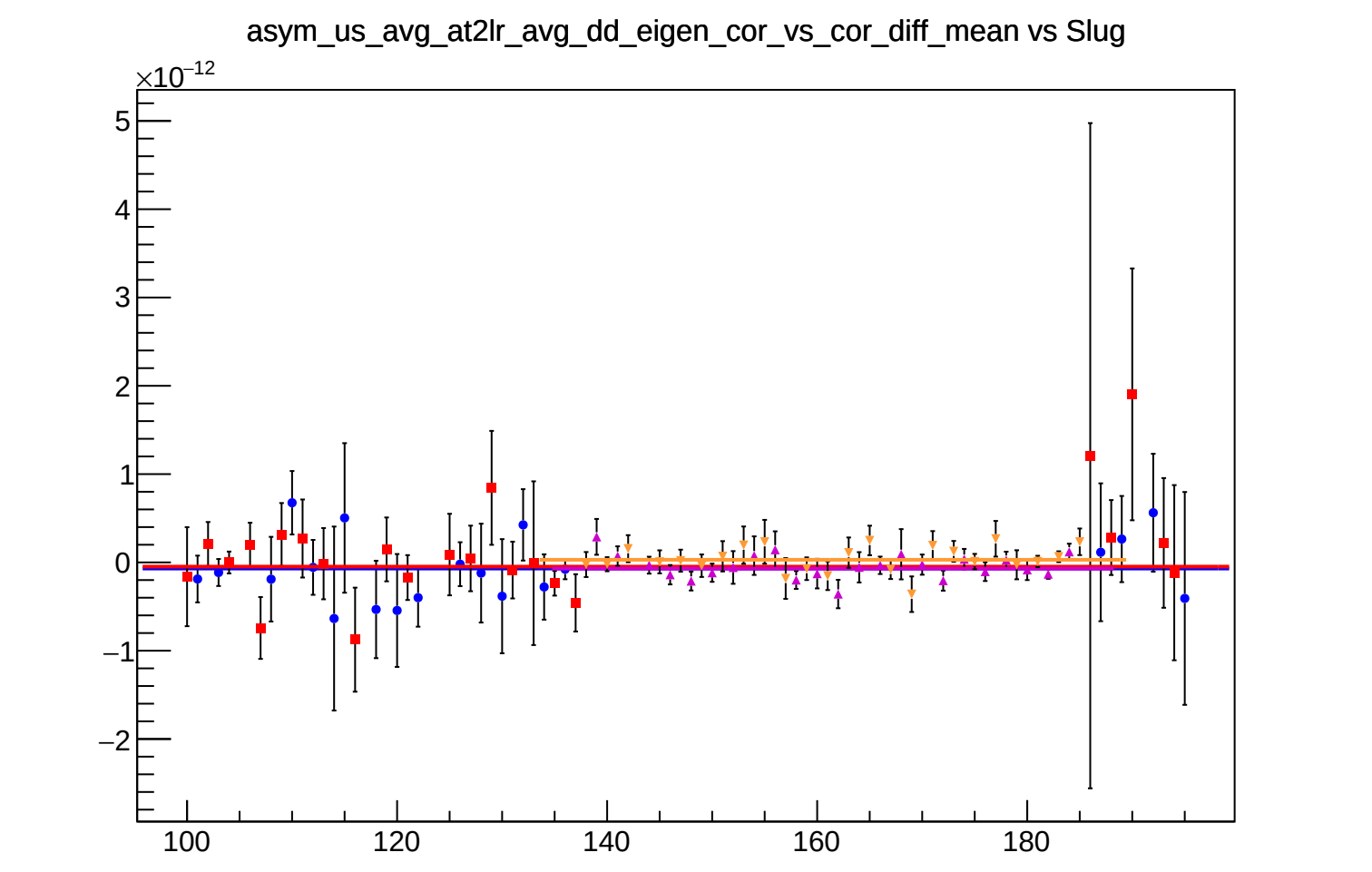
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.077 χ^2/NDF: 41.7/43

All: 0.035+/-0.049 χ^2/NDF: 102.0/89

- sign -0.018+/-0.064 χ^2/NDF: 58.7/45


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 277.155+/-0.067 χ²/NDF: 1597258.4/19
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 211.230+/-0.052 χ²/NDF: 3434229.9/22
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.383+/-0.055 χ²/NDF: 10579146.3/43
All: 318.392+/-0.035 χ²/NDF: 27487813.8/89
- sign 287.058+/-0.046 χ²/NDF: 15756377.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

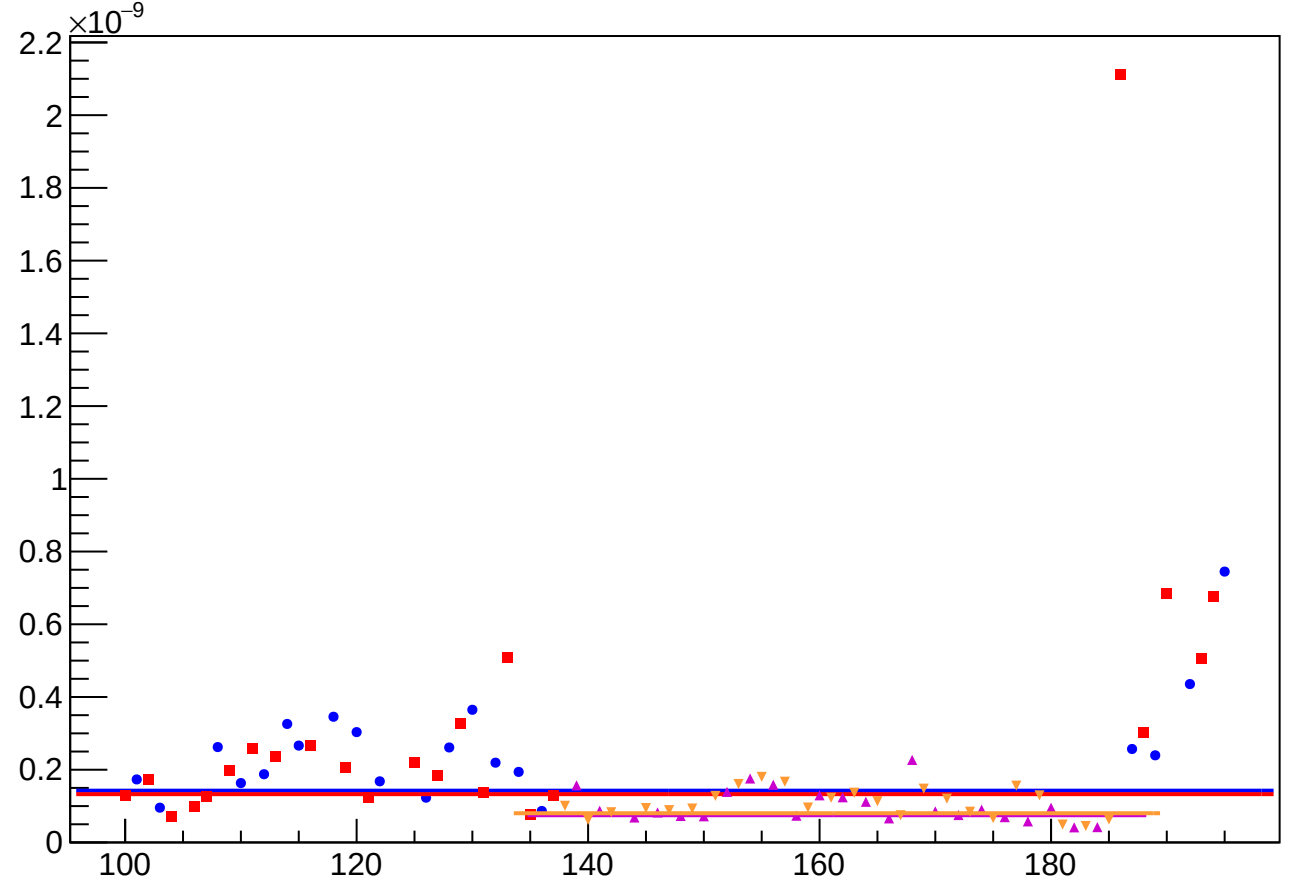
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/43

All: -0.000+/-0.000 χ^2/NDF: 80.2/89

- sign -0.000+/-0.000 χ^2/NDF: 42.0/45



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: 4342221.0/22

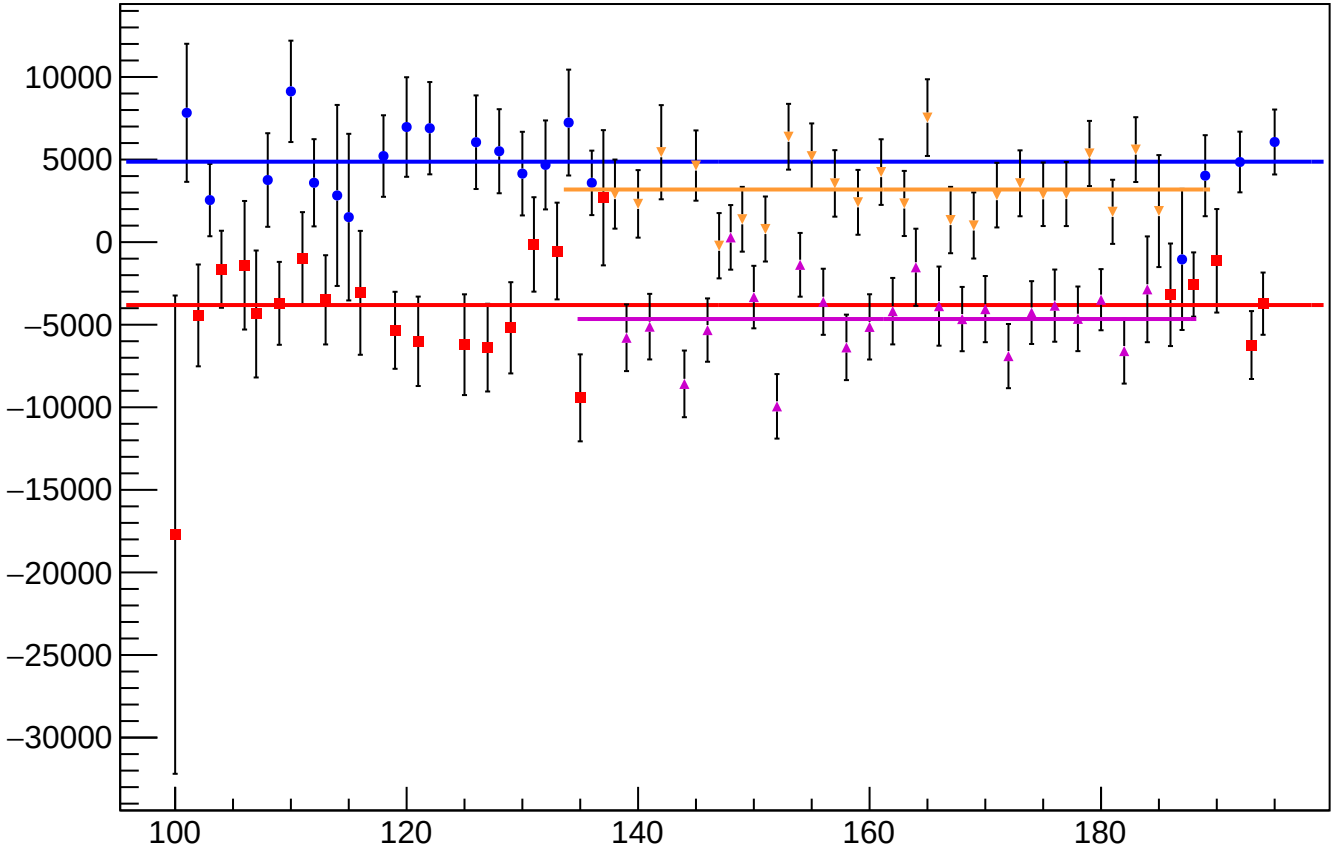
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8069738.5/43

All: 0.000+/-0.000 χ^2/NDF: 17617809.3/89

- sign 0.000+/-0.000 χ^2/NDF: 9481173.3/45

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: -3808.976+/-572.245 χ^2/NDF: 18.7/22

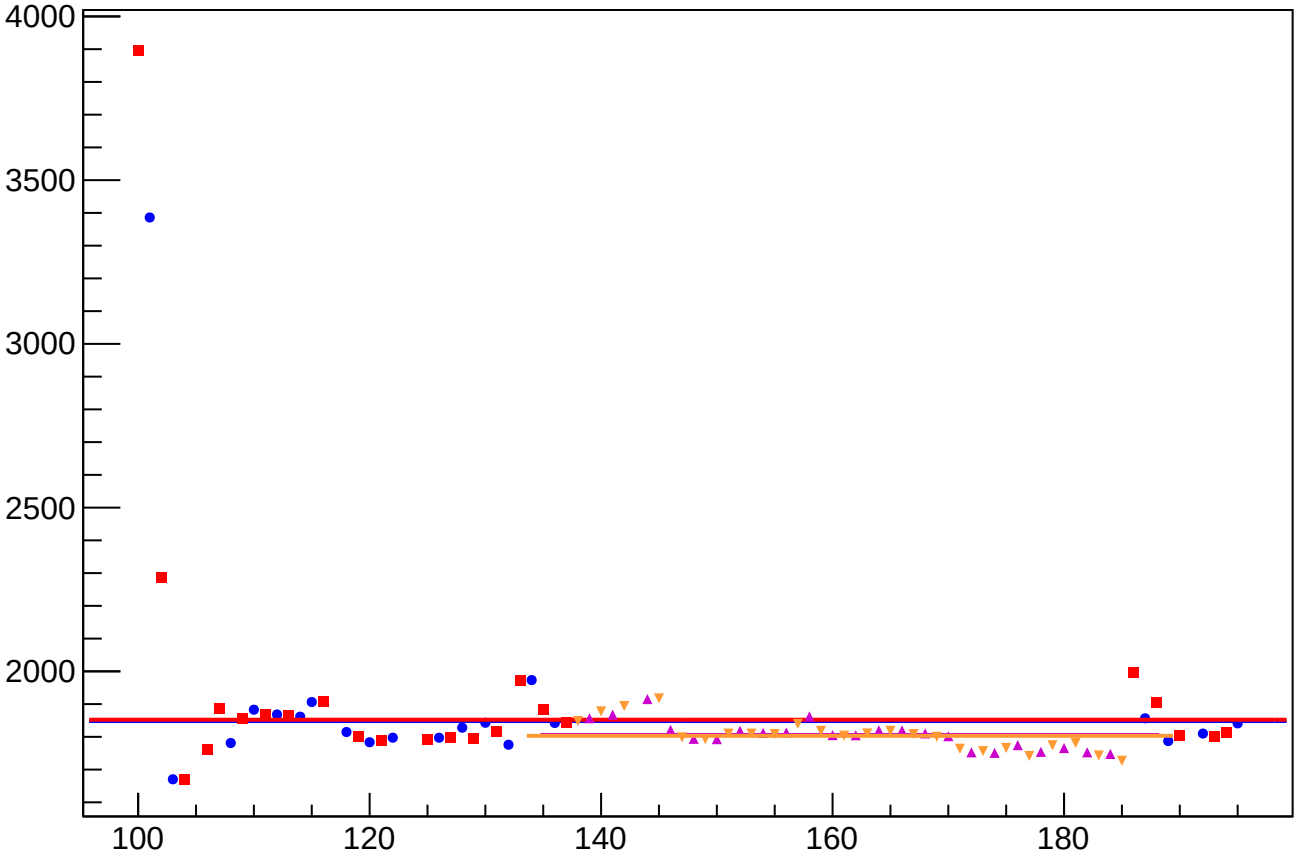
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3744.447+/-342.404 χ^2/NDF: 34.5/43

All: -341.276+/-241.074 χ^2/NDF: 364.7/89

- sign -4357.396+/-339.475 χ^2/NDF: 47.9/45

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

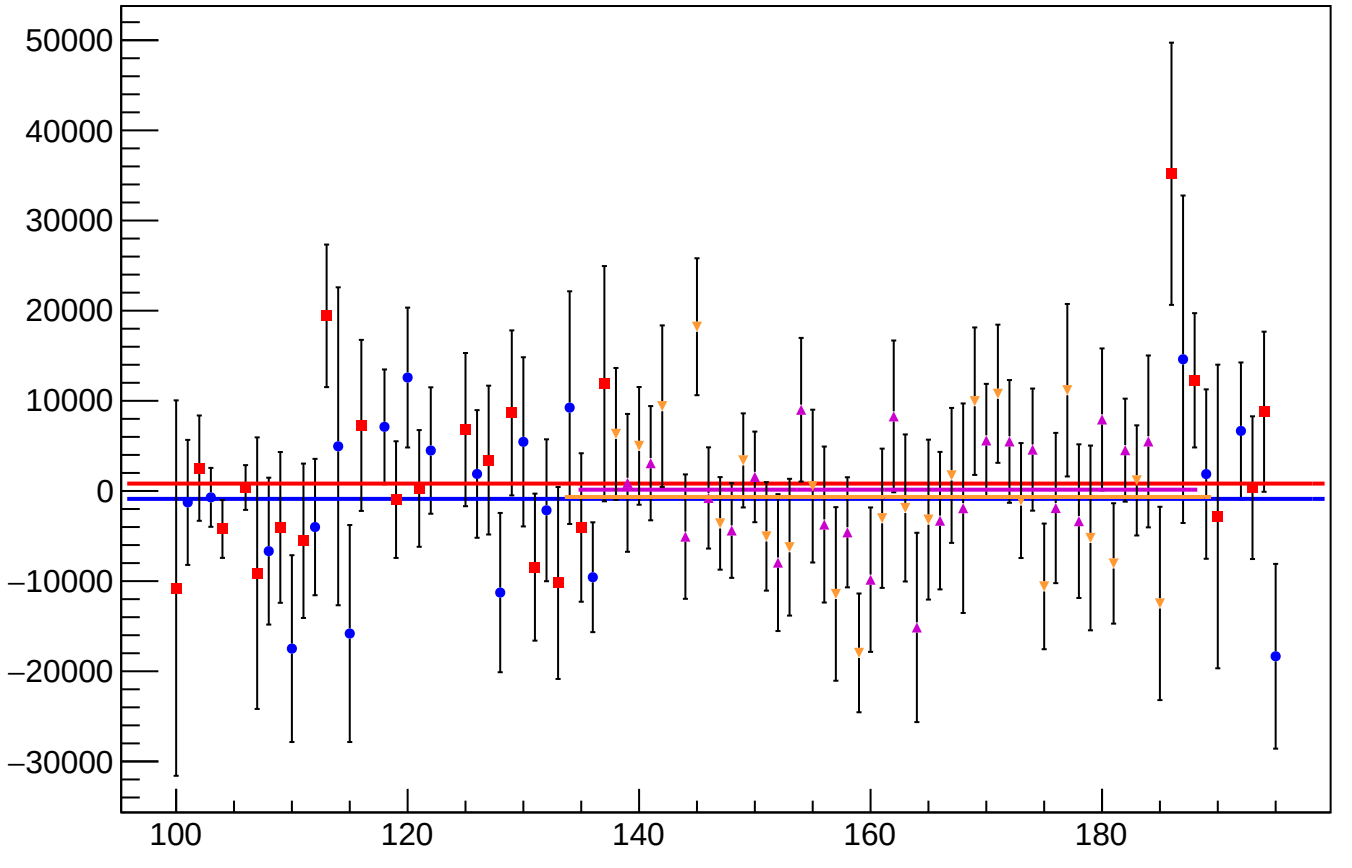
Right Out: 1852.235+/-0.404 χ^2/NDF: 110590.4/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323353.0/43

All: 1820.070+/-0.170 χ^2/NDF: 462039.2/89

- sign 1822.029+/-0.240 χ^2/NDF: 138551.6/45



Right In: -877.622+/-1660.856 χ^2/NDF: 19.4/19

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

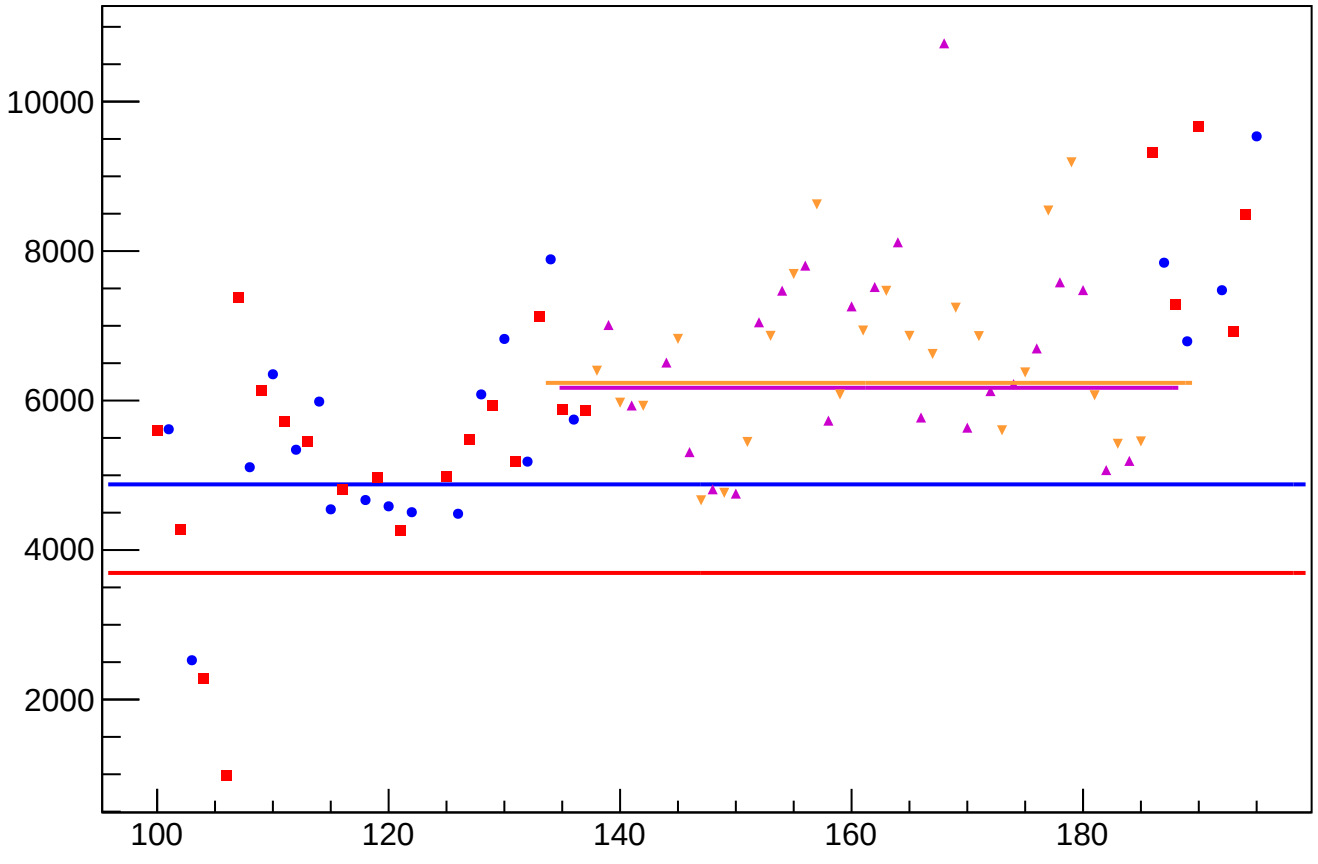
Right Out: 819.862+/-1363.136 χ^2/NDF: 23.9/22

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

\+ sign -760.275+/-1104.448 χ^2/NDF: 49.2/43

All: -63.628+/-741.273 χ^2/NDF: 87.5/89

\- sign 507.440+/-999.960 χ^2/NDF: 37.5/45



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: 3693.654+/-0.964 χ^2/NDF: 6096663.2/22

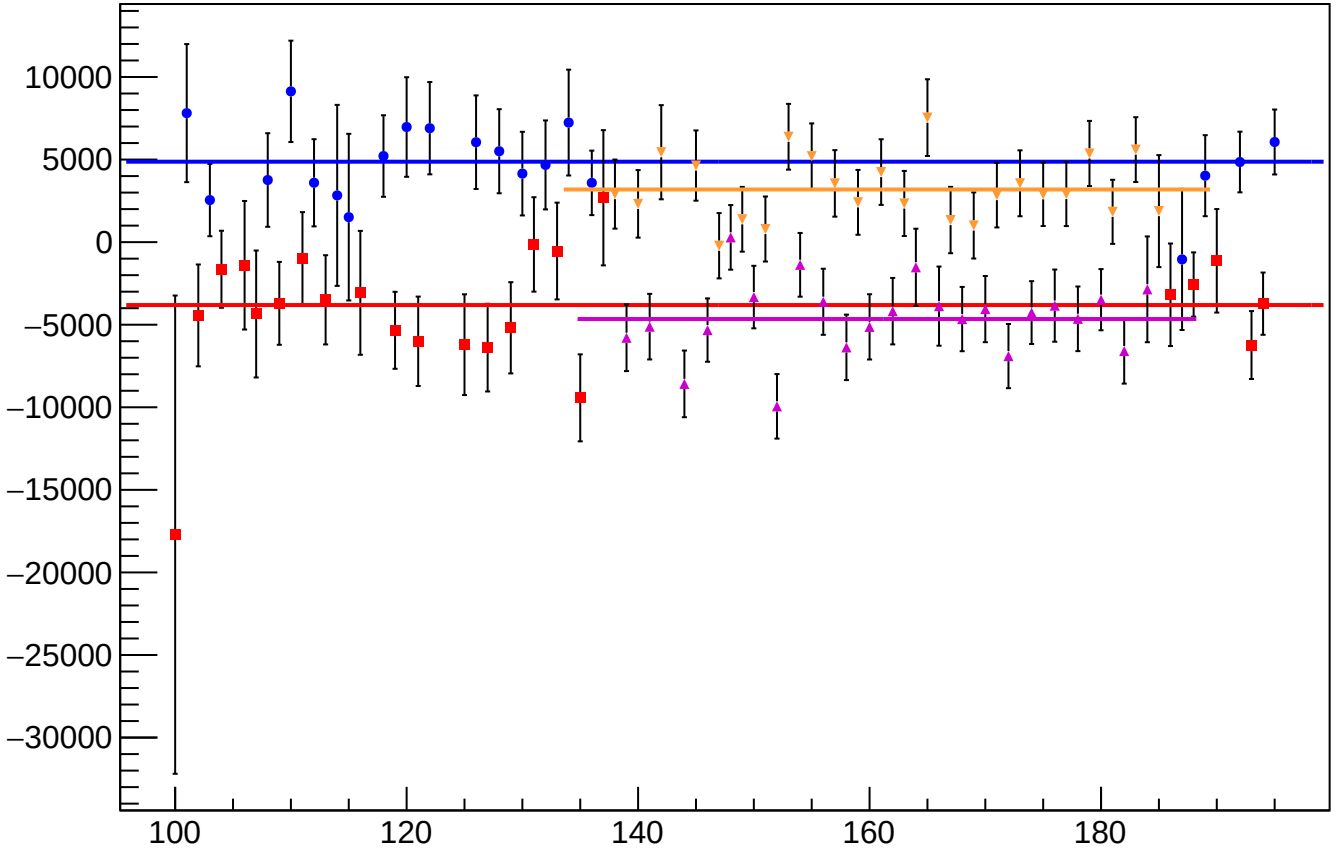
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5636.039+/-0.781 χ^2/NDF: 4007850.9/43

All: 5197.367+/-0.524 χ^2/NDF: 14966731.2/8

- sign 4837.772+/-0.707 χ^2/NDF: 10384726.6/45

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: -3808.804+/-572.245 χ^2/NDF: 18.7/22

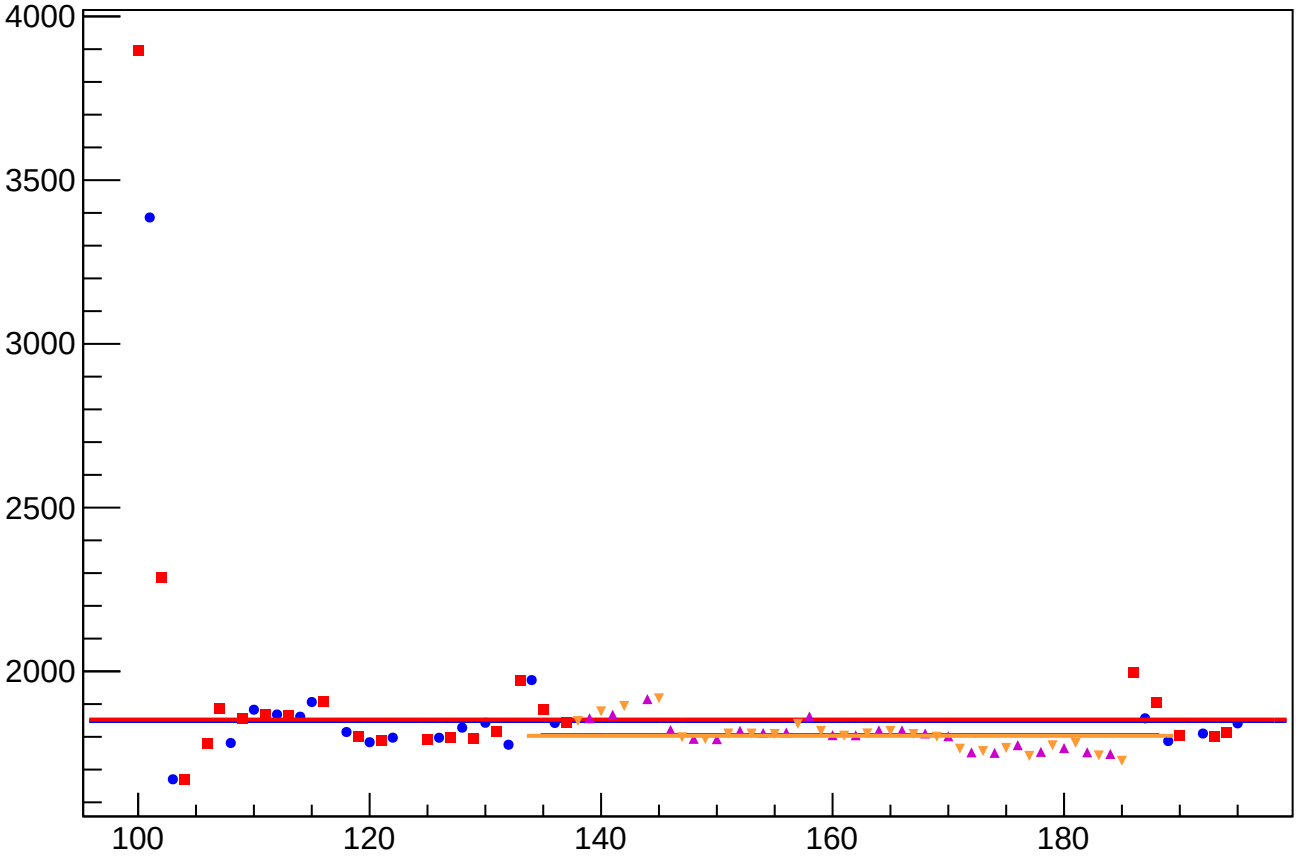
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3744.295+/-342.404 χ^2/NDF: 34.5/43

All: -341.327+/-241.074 χ^2/NDF: 364.7/89

- sign -4357.348+/-339.475 χ^2/NDF: 47.9/45

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

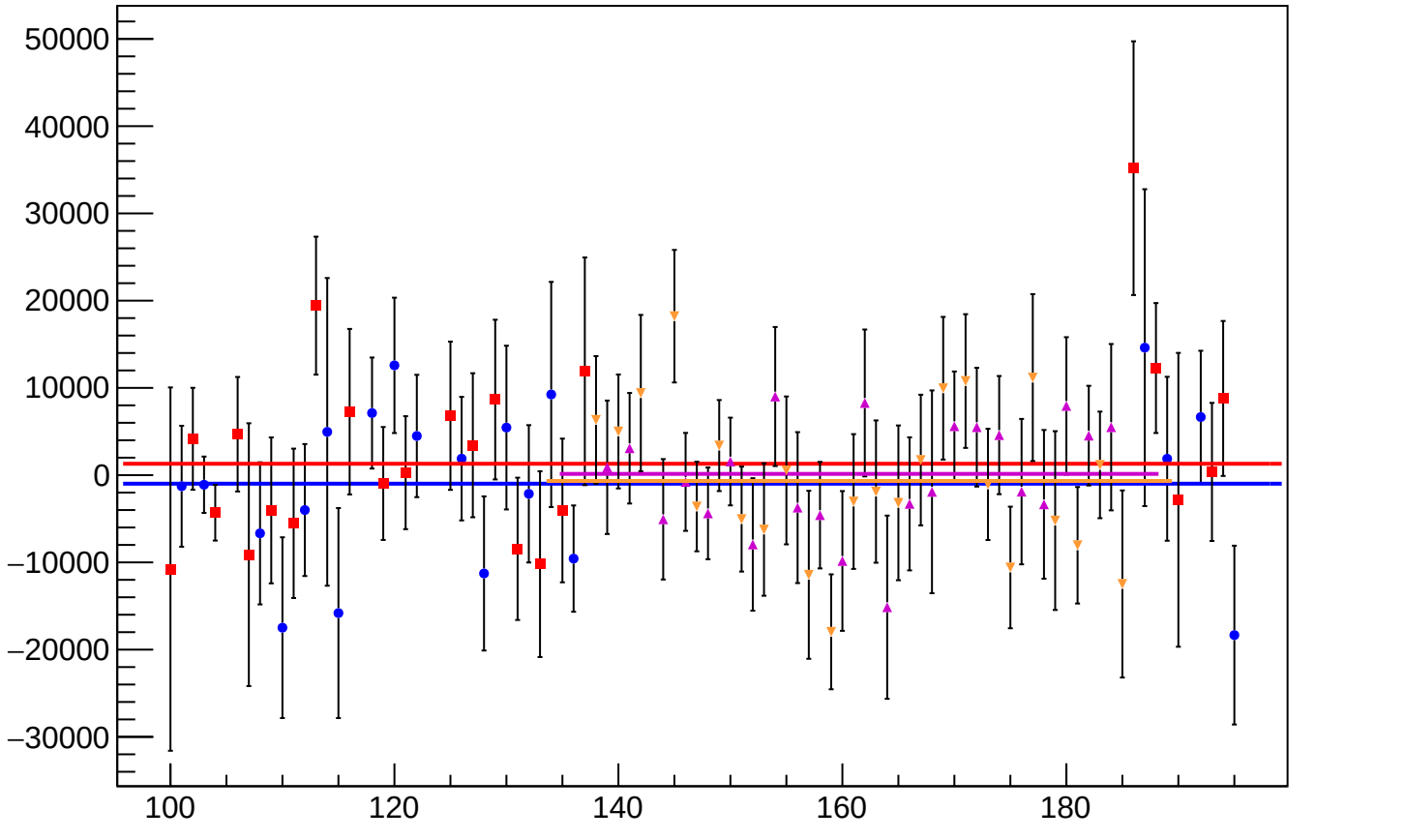
Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323354.8/43

All: 1820.153+/-0.170 χ^2/NDF: 461765.6/89

- sign 1822.193+/-0.240 χ^2/NDF: 138264.8/45



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: 1305.183+/-1581.235 χ^2/NDF: 24.4/22

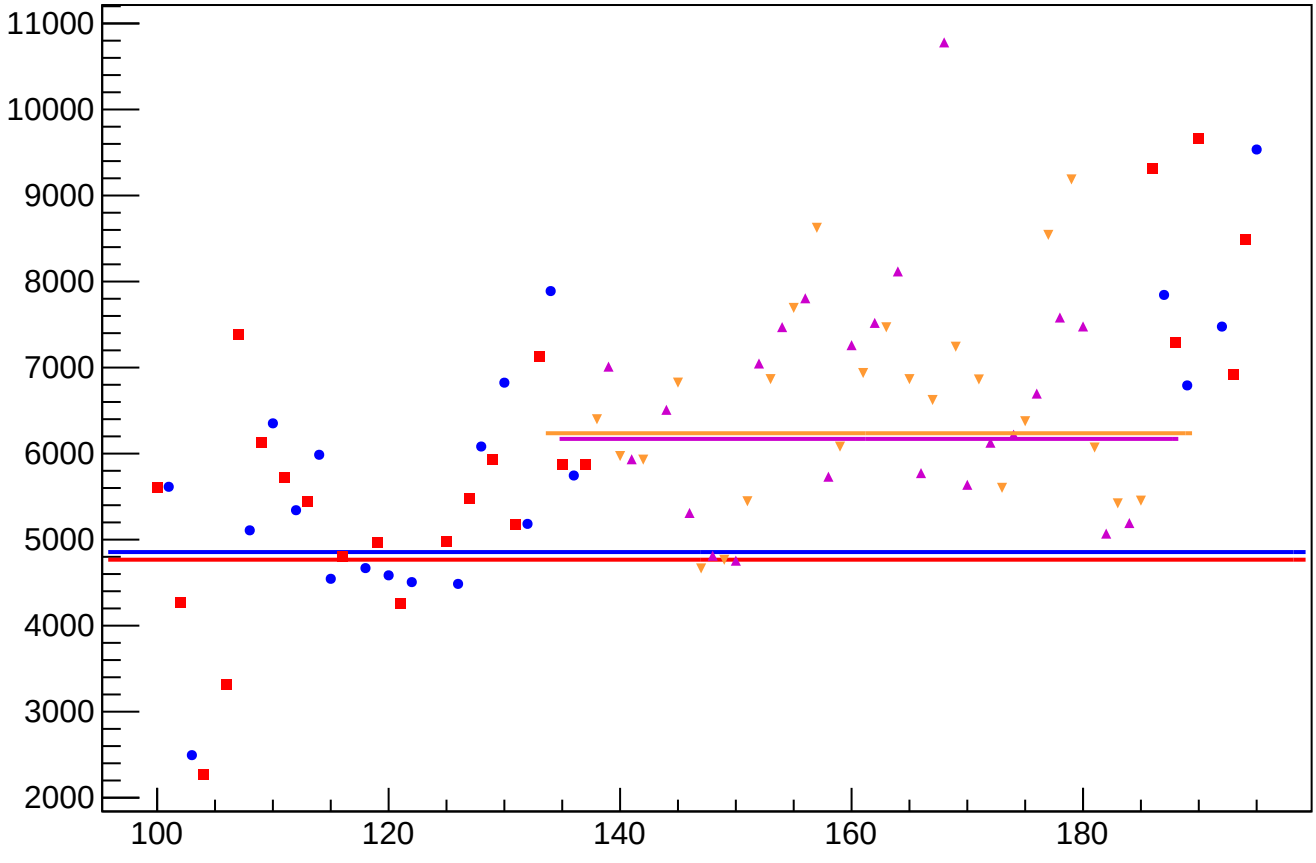
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -806.341+/-1102.896 χ^2/NDF: 49.2/43

All: -44.341+/-770.606 χ^2/NDF: 88.5/89

- sign 682.516+/-1077.164 χ^2/NDF: 38.3/45

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

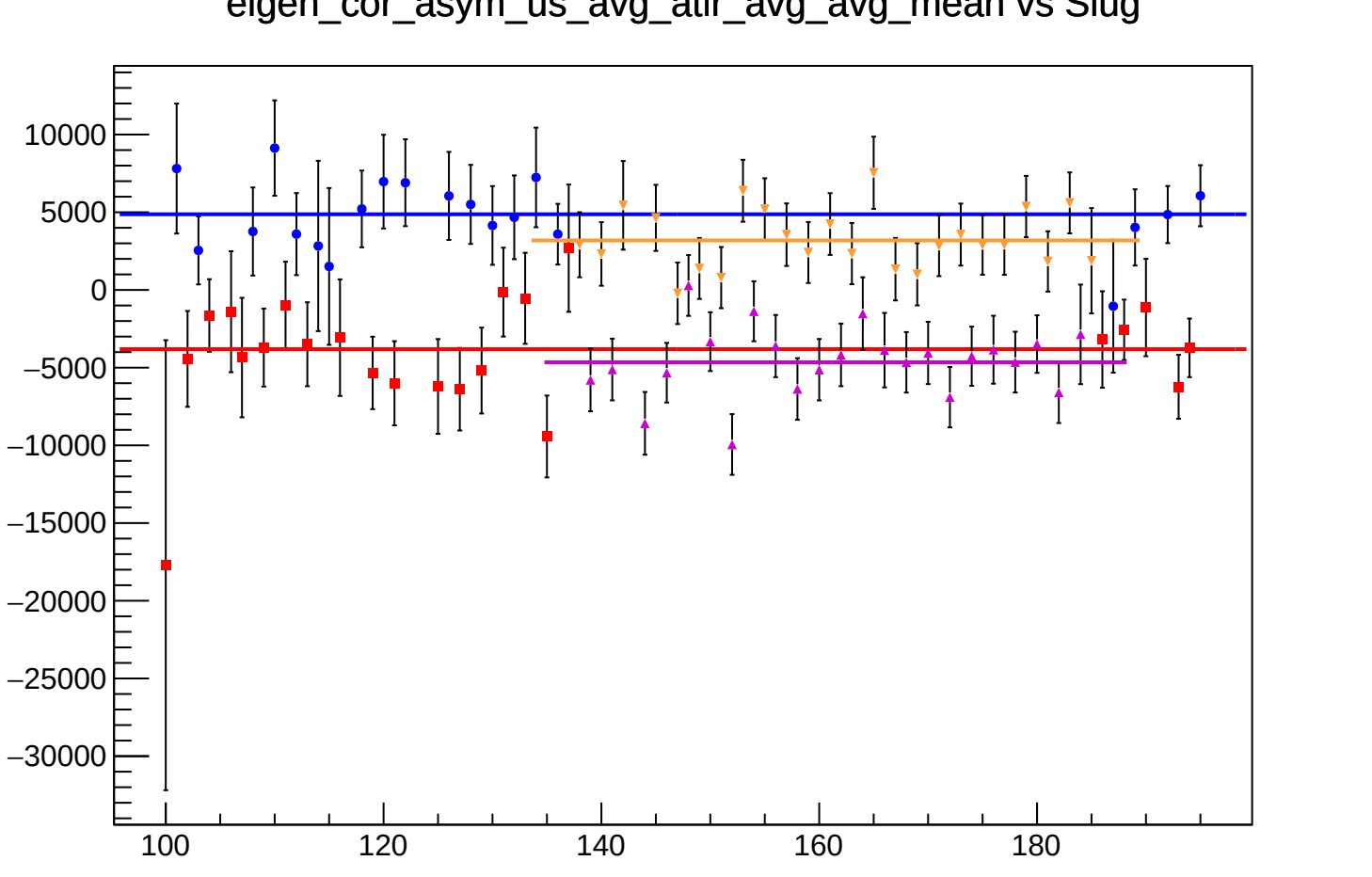
Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5623.702+/-0.780 χ^2/NDF: 4089092.2/43

All: 5570.217+/-0.545 χ^2/NDF: 8983398.7/89

- sign 5519.199+/-0.762 χ^2/NDF: 4885116.3/45



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: -3808.804+/-572.245 χ^2/NDF: 18.7/22

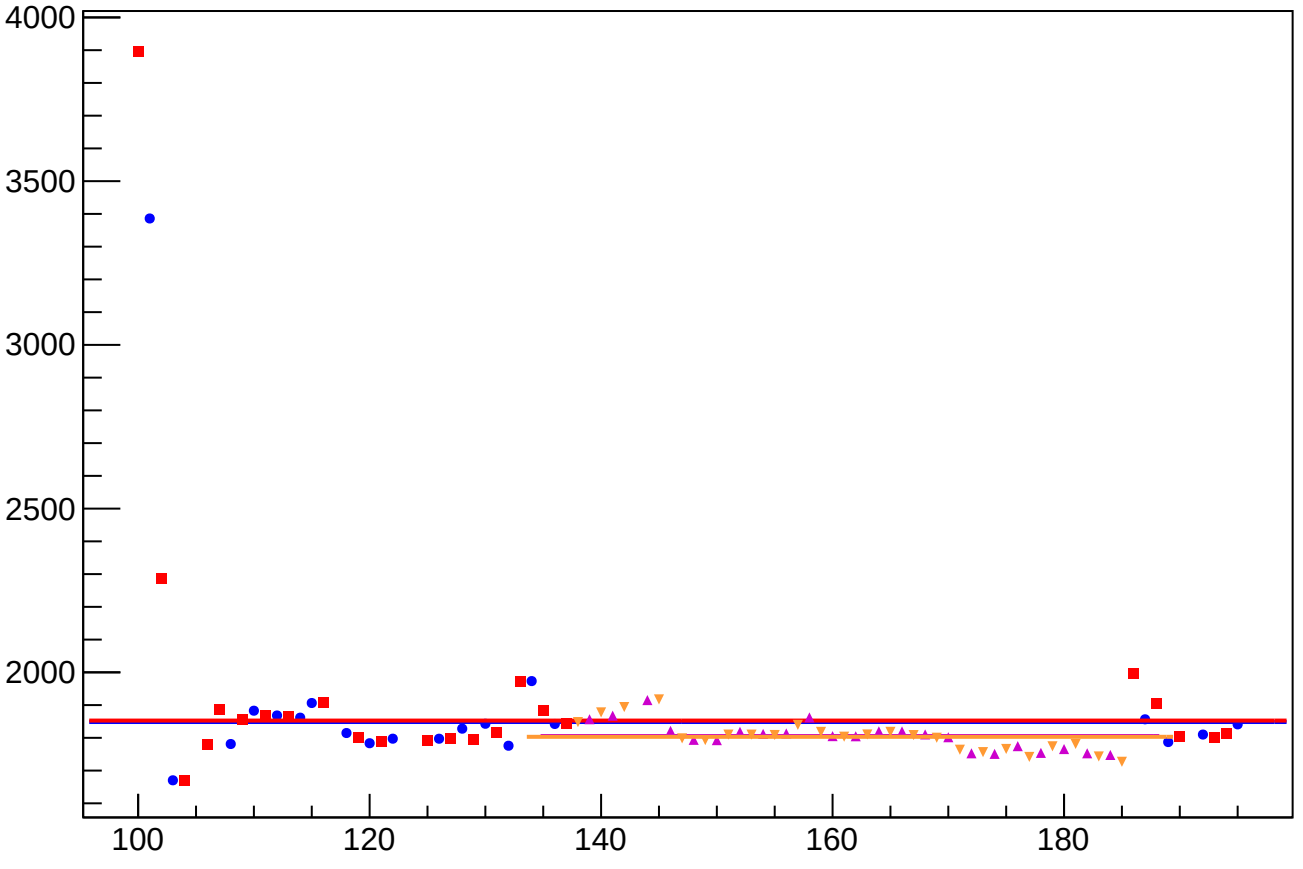
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

\+ sign 3744.295+/-342.404 χ^2/NDF: 34.5/43

All: -341.327+/-241.074 χ^2/NDF: 364.7/89

\- sign -4357.348+/-339.475 χ^2/NDF: 47.9/45

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

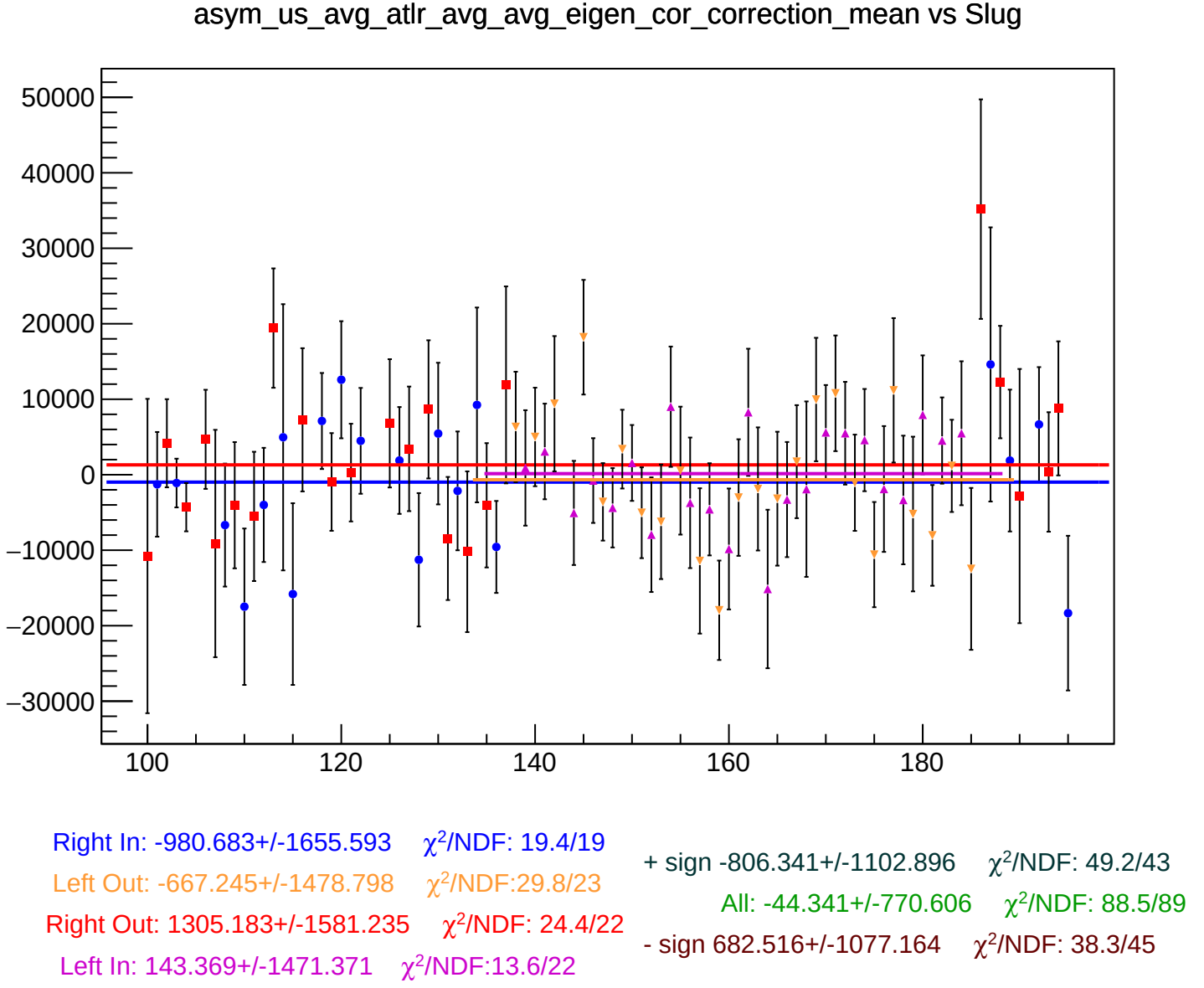
Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

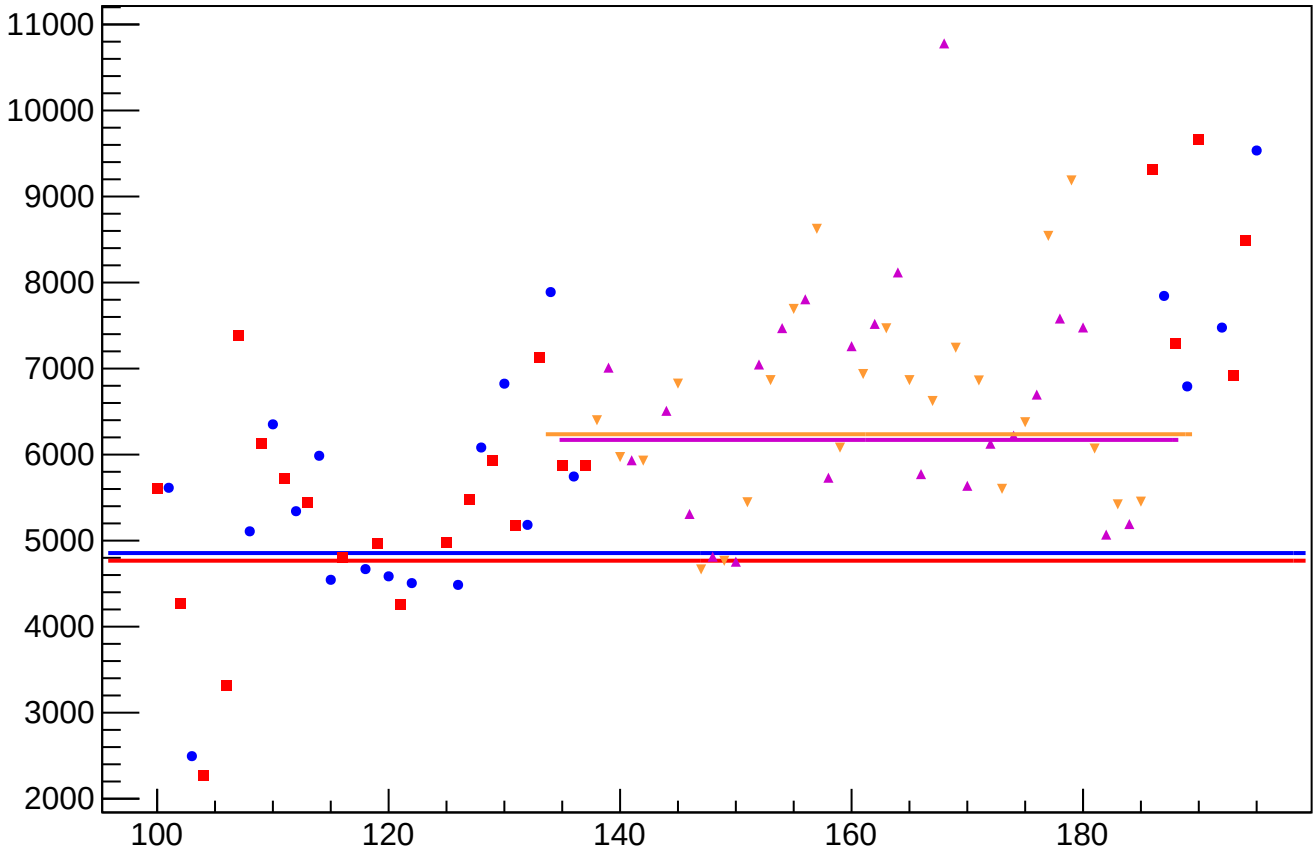
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.074+/-0.242 χ^2/NDF: 323354.8/43

All: 1820.153+/-0.170 χ^2/NDF: 461765.6/89

- sign 1822.193+/-0.240 χ^2/NDF: 138264.8/45


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
Right In: -980.683+/-1655.593 χ²/NDF: 19.4/19
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1305.183+/-1581.235 χ²/NDF: 24.4/22
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -806.341+/-1102.896 χ²/NDF: 49.2/43
All: -44.341+/-770.606 χ²/NDF: 88.5/89
- sign 682.516+/-1077.164 χ²/NDF: 38.3/45



Right In: 4855.452+/-1.171 χ^2/NDF: 2247185.8/19

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

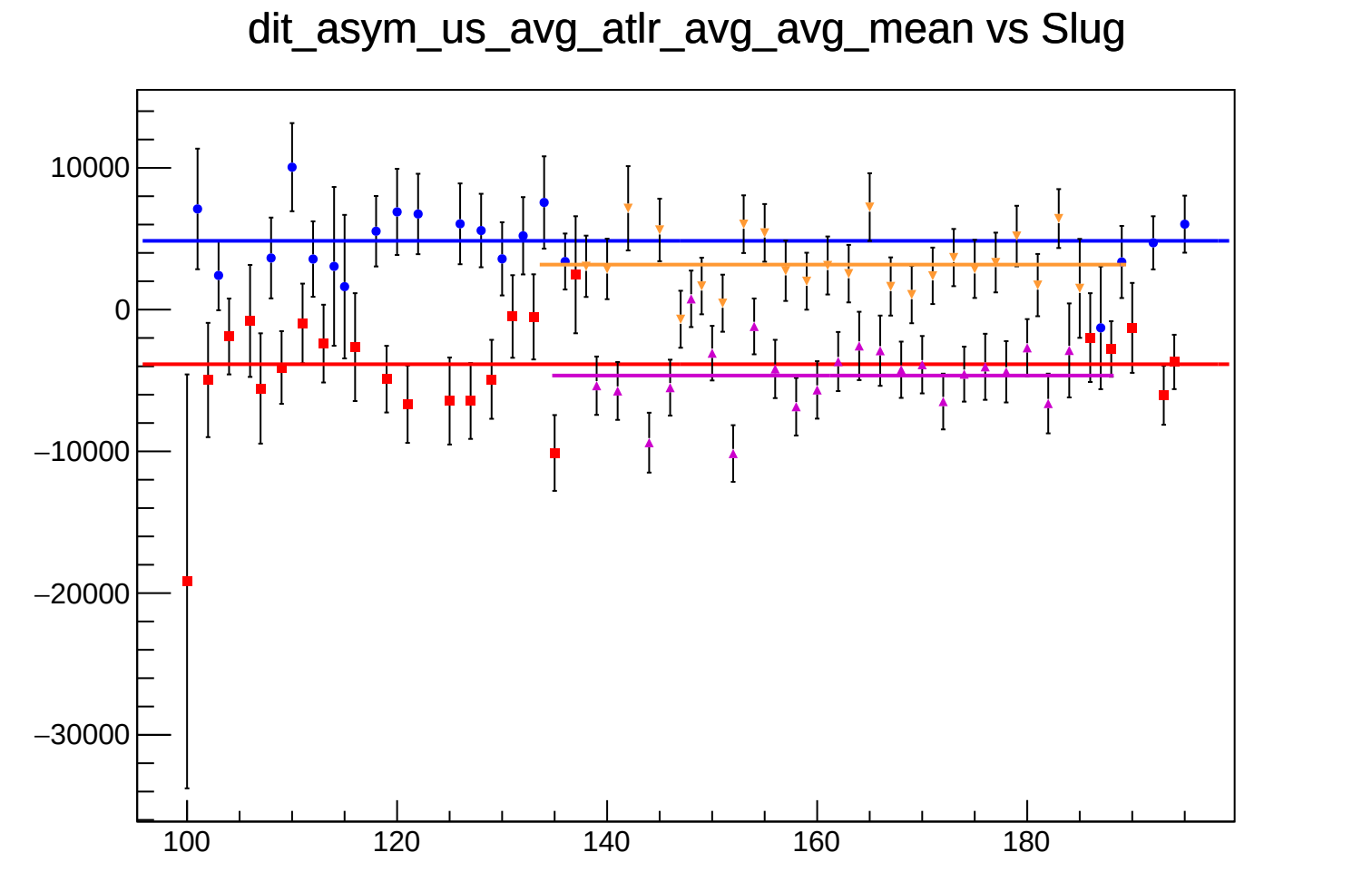
Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5623.702+/-0.780 χ^2/NDF: 4089092.2/43

All: 5570.217+/-0.545 χ^2/NDF: 8983398.7/89

- sign 5519.199+/-0.762 χ^2/NDF: 4885116.3/45



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: -3852.273+/-587.277 χ^2/NDF: 19.8/22

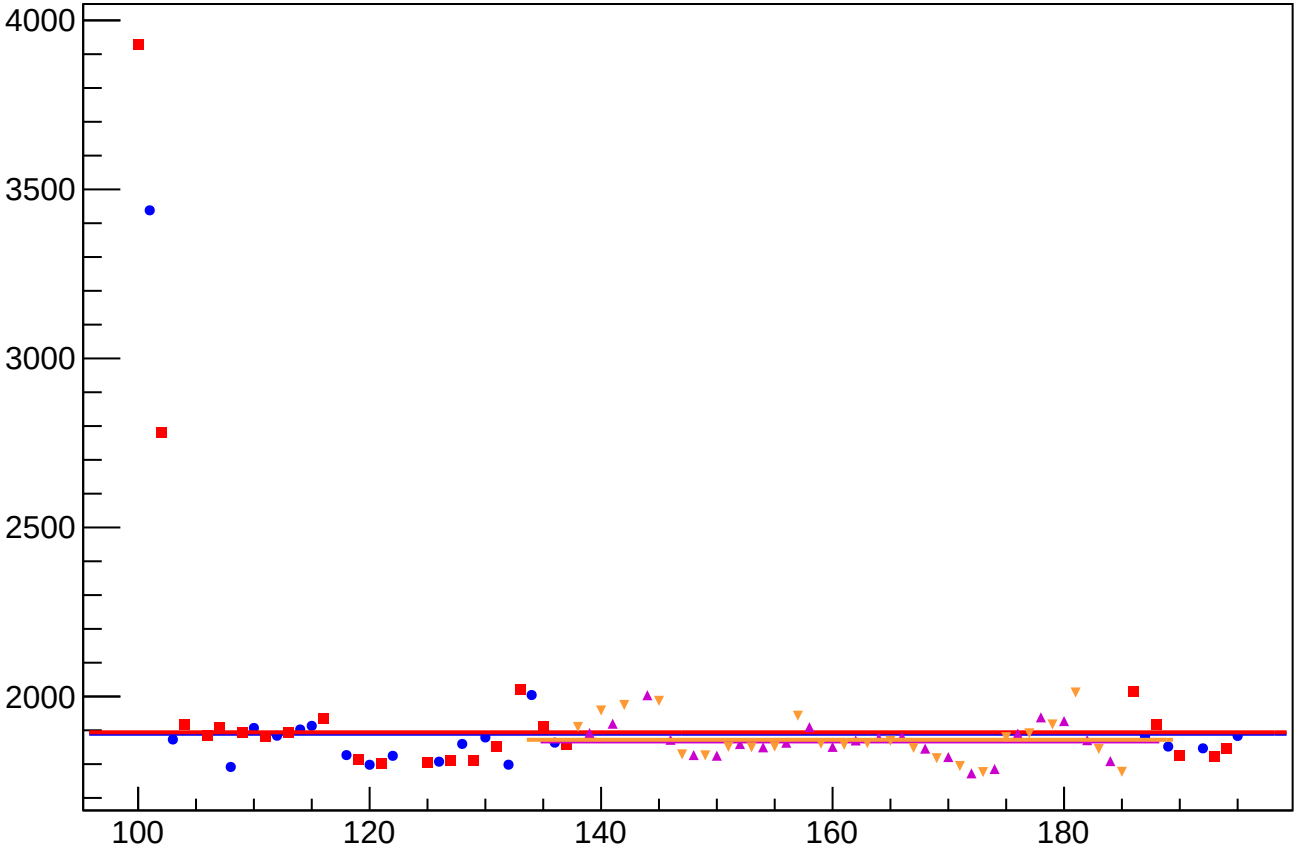
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3741.263+/-353.772 χ^2/NDF: 37.0/43

All: -354.147+/-248.873 χ^2/NDF: 353.9/89

- sign -4366.678+/-350.174 χ^2/NDF: 51.6/45

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

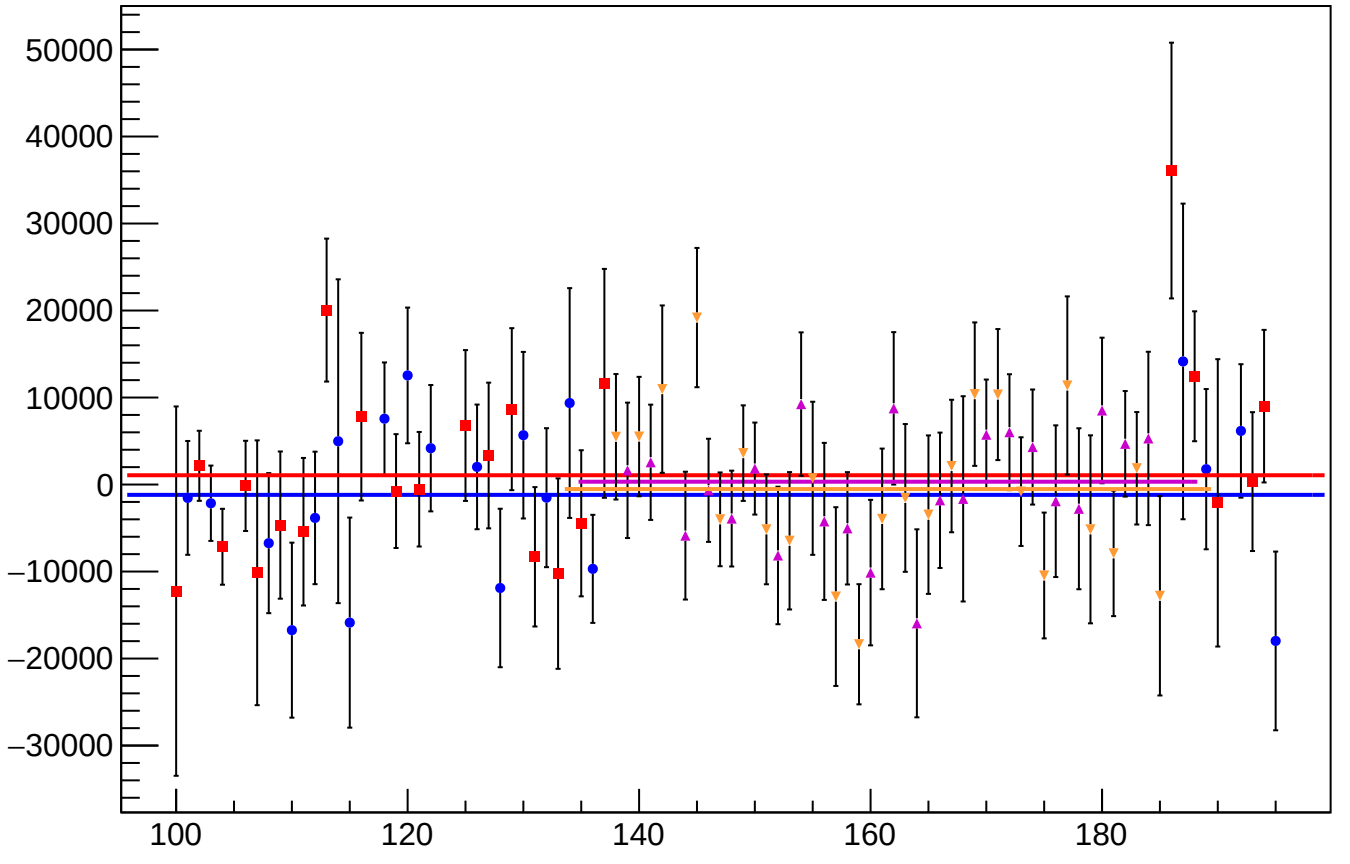
Right Out: 1894.122+/-0.415 χ^2/NDF: 158353.1/22

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1878.000+/-0.250 χ^2/NDF: 318688.3/43

All: 1877.345+/-0.176 χ^2/NDF: 507037.3/89

- sign 1876.703+/-0.248 χ^2/NDF: 188335.4/45



Right In: -1186.561+/-1769.147 χ^2/NDF: 19.1/19

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

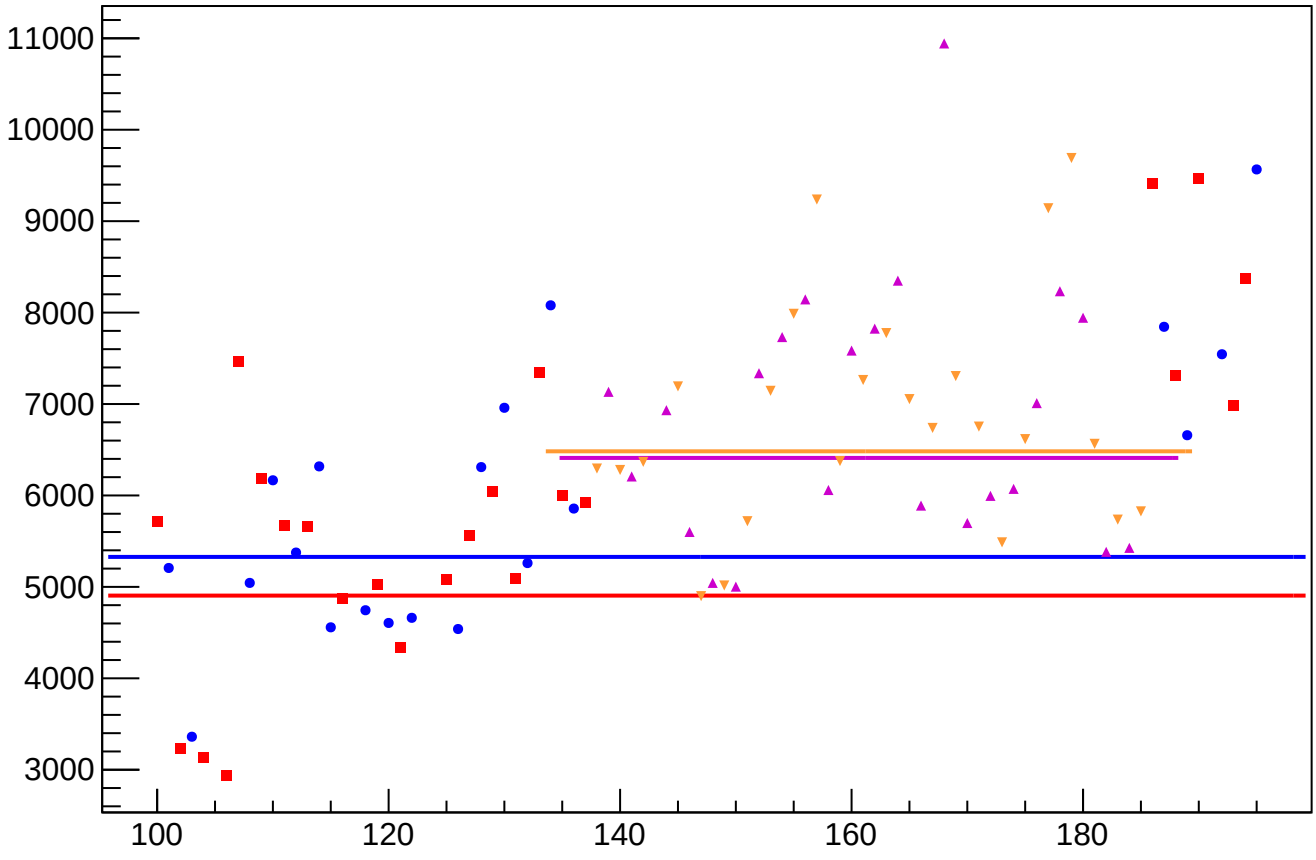
Right Out: 1068.123+/-1589.383 χ^2/NDF: 25.2/22

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -806.810+/-1160.187 χ^2/NDF: 48.4/43

All: -23.949+/-798.827 χ^2/NDF: 88.0/89

- sign 681.739+/-1101.519 χ^2/NDF: 38.7/45



Right In: 5327.866+/-1.251 χ^2/NDF: 1288986.9/19

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

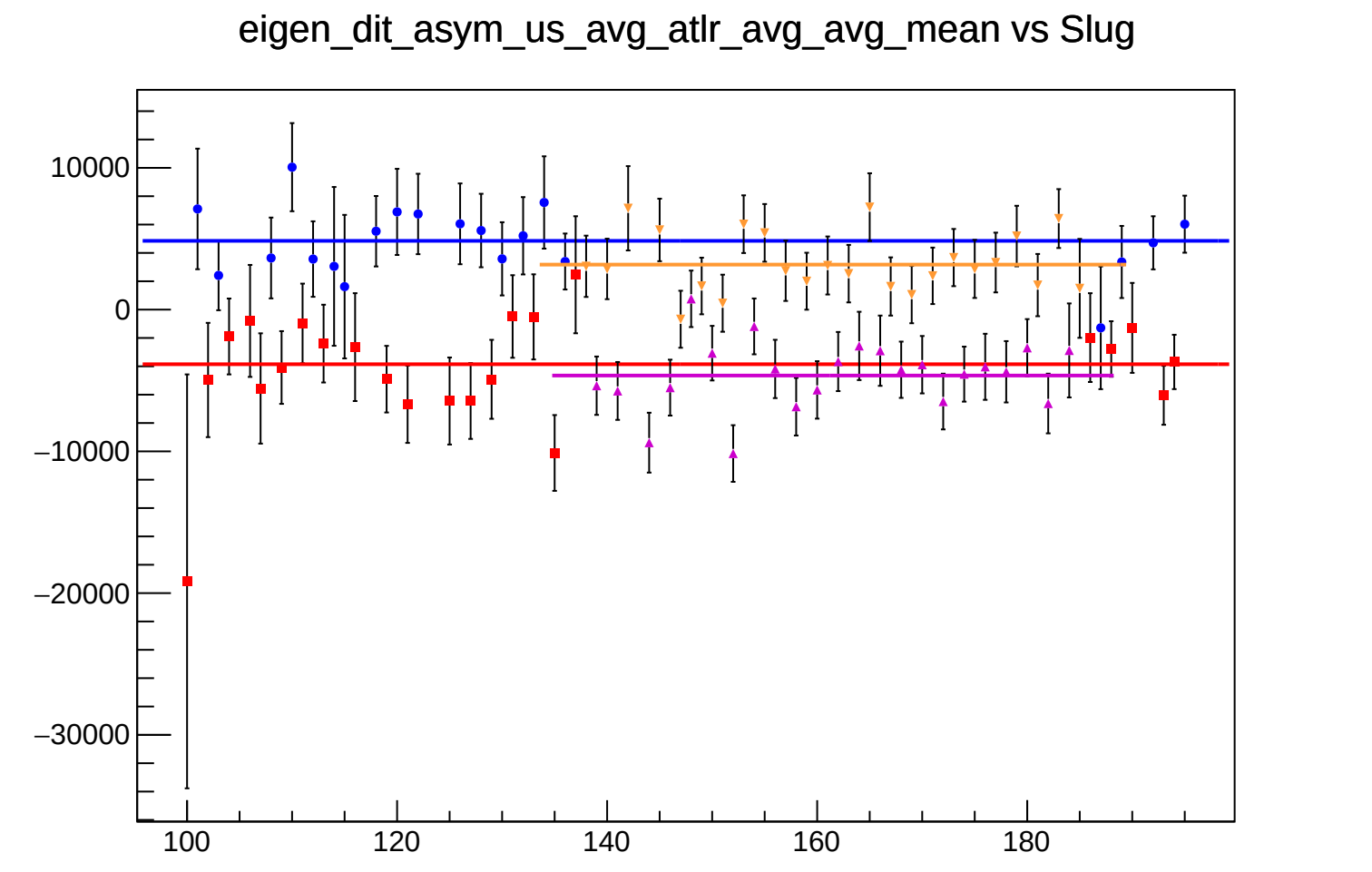
Right Out: 4904.696+/-1.124 χ^2/NDF: 2303246.2/22

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5986.070+/-0.820 χ^2/NDF: 2849300.6/43

All: 5828.886+/-0.565 χ^2/NDF: 7375009.5/89

- sign 5687.197+/-0.779 χ^2/NDF: 4455906.5/45



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: -3852.271+/-587.277 χ^2/NDF: 19.8/22

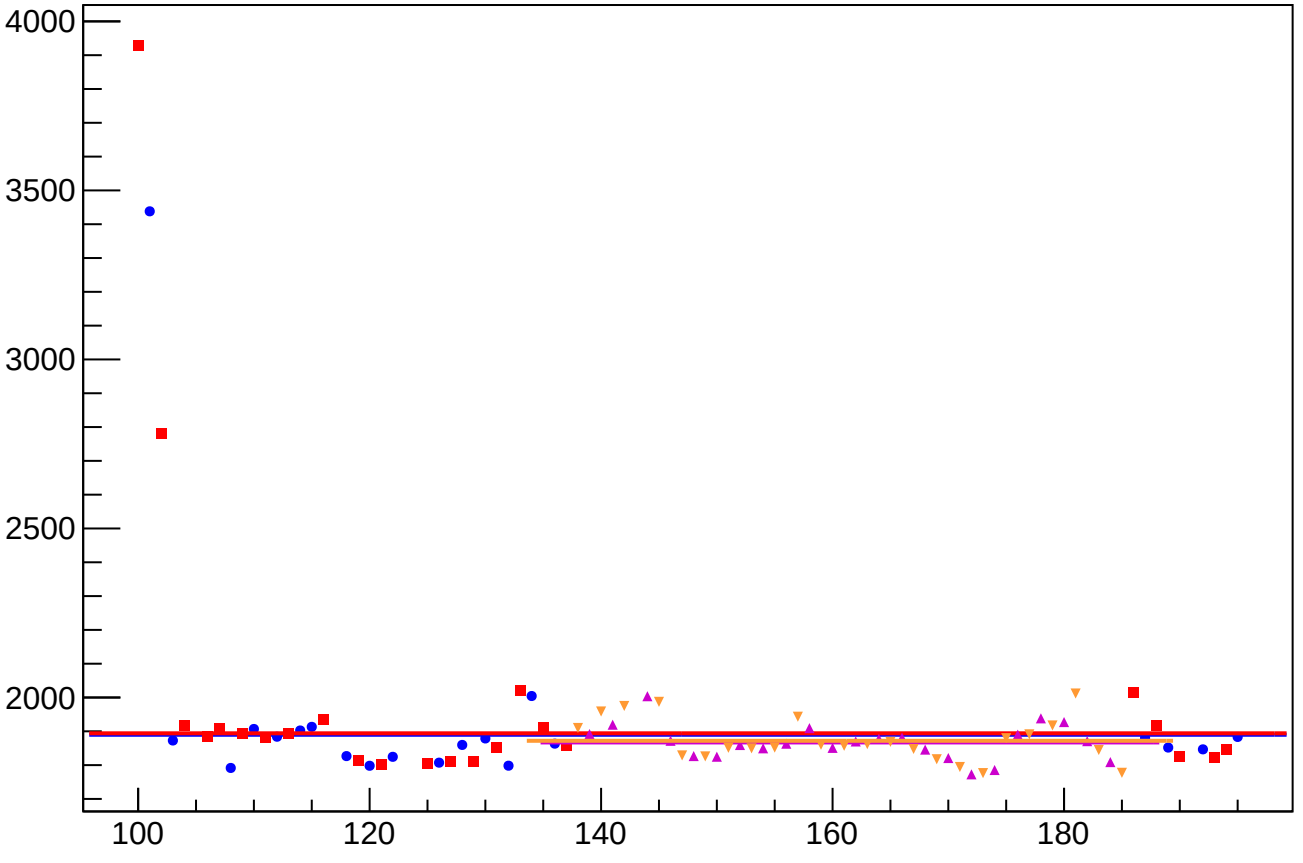
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3741.258+/-353.772 χ^2/NDF: 37.0/43

All: -354.149+/-248.873 χ^2/NDF: 353.9/89

- sign -4366.678+/-350.174 χ^2/NDF: 51.6/45

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

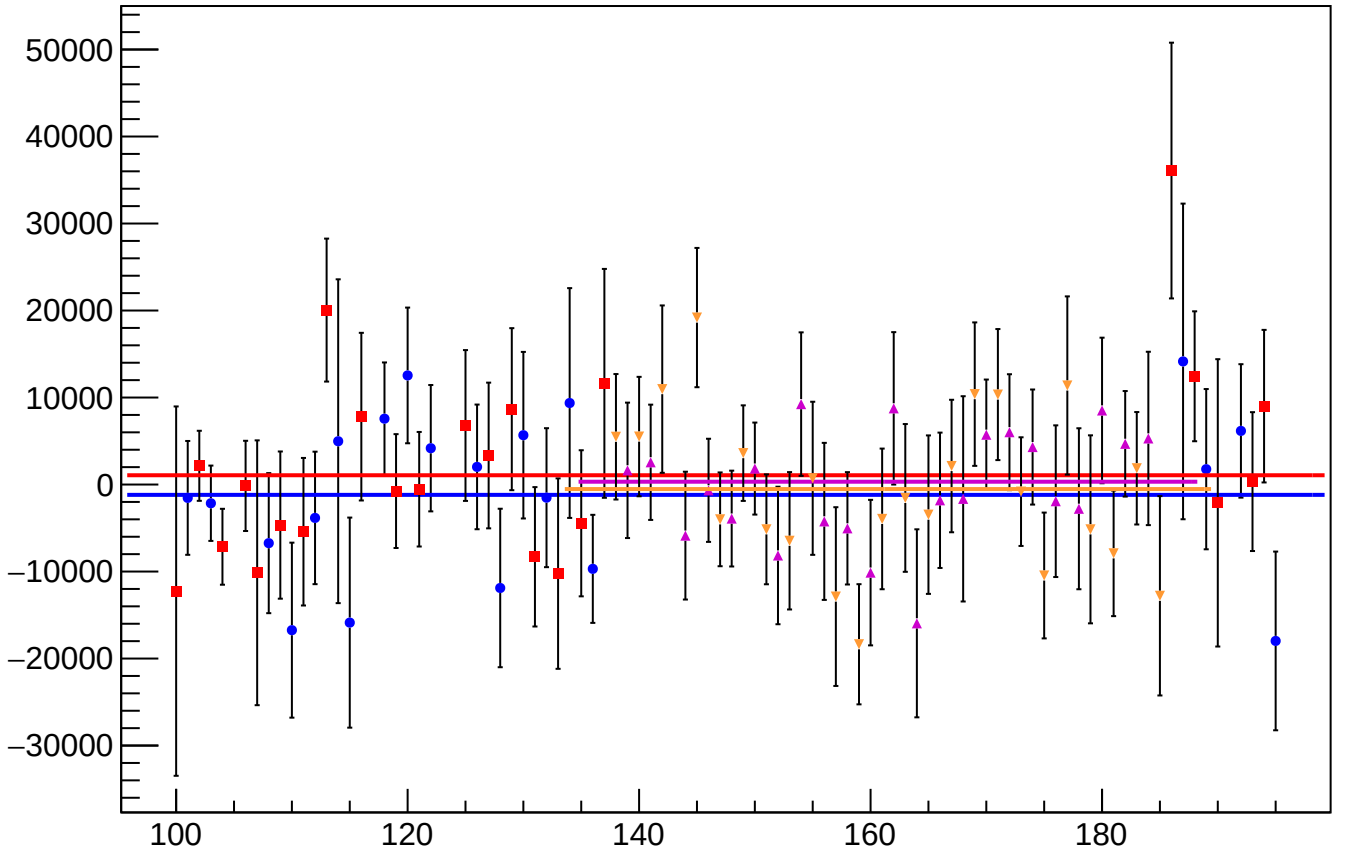
Right Out: 1894.122+/-0.415 χ^2/NDF: 158352.2/22

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1878.001+/-0.250 χ^2/NDF: 318689.3/43

All: 1877.345+/-0.176 χ^2/NDF: 507038.2/89

- sign 1876.703+/-0.248 χ^2/NDF: 188335.3/45



Right In: -1186.551+/-1769.144 χ^2/NDF: 19.1/19

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

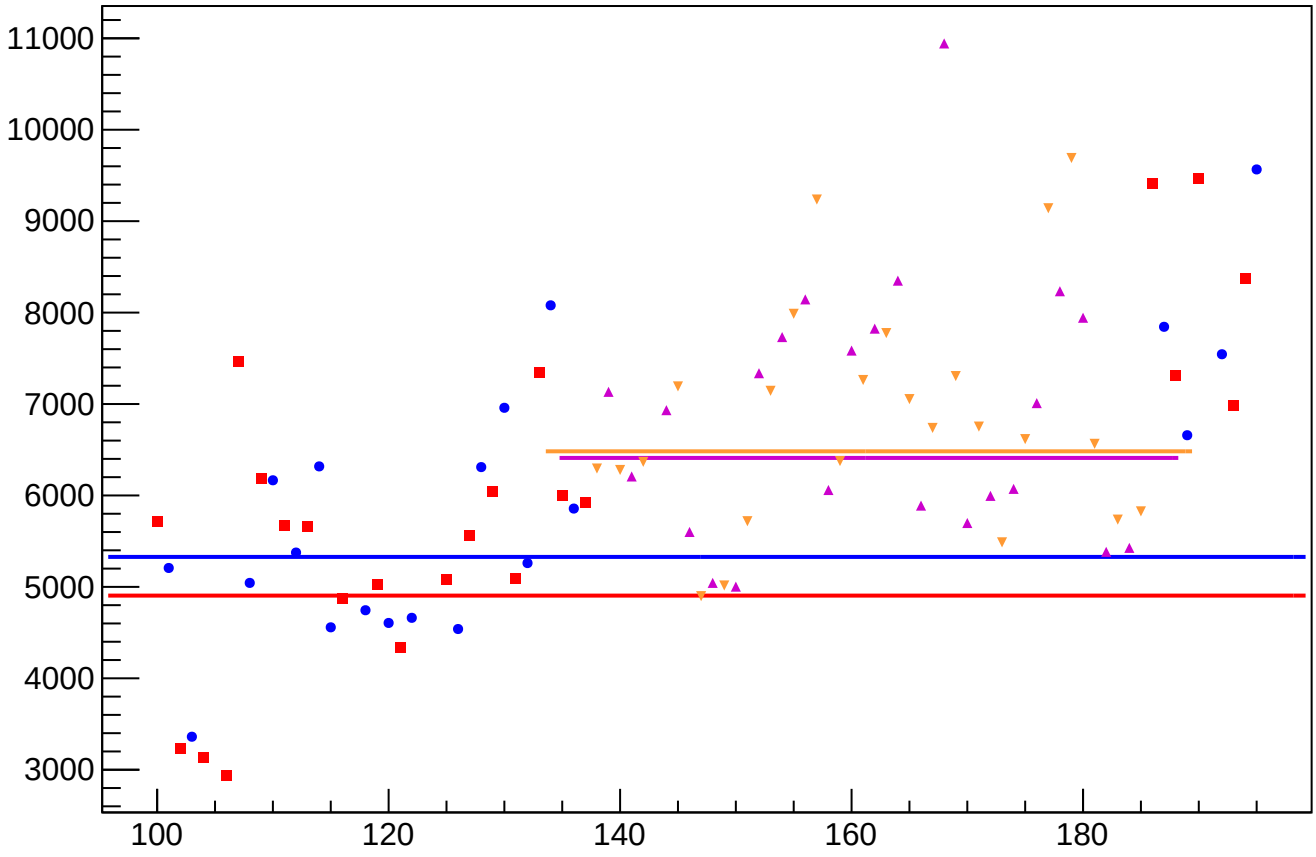
Right Out: 1068.116+/-1589.380 χ^2/NDF: 25.2/22

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -806.810+/-1160.187 χ^2/NDF: 48.4/43

All: -23.950+/-798.827 χ^2/NDF: 88.0/89

- sign 681.737+/-1101.519 χ^2/NDF: 38.7/45



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: 4904.685+/-1.124 χ^2/NDF: 2303255.6/22

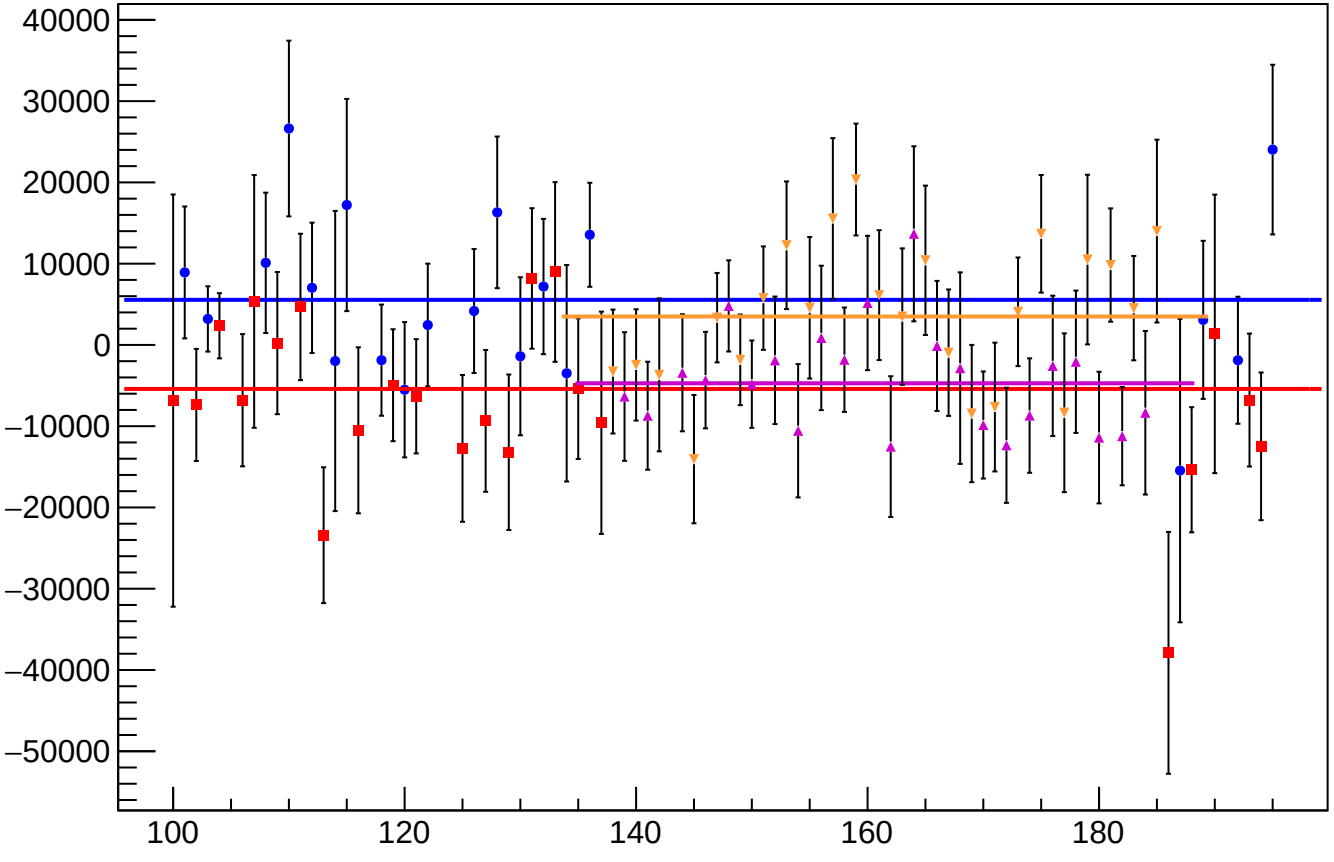
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5986.069+/-0.820 χ^2/NDF: 2849334.5/43

All: 5828.884+/-0.565 χ^2/NDF: 7375083.9/89

- sign 5687.194+/-0.779 χ^2/NDF: 4455946.3/45

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: -5415.003+/-1759.696 χ^2/NDF: 23.9/22

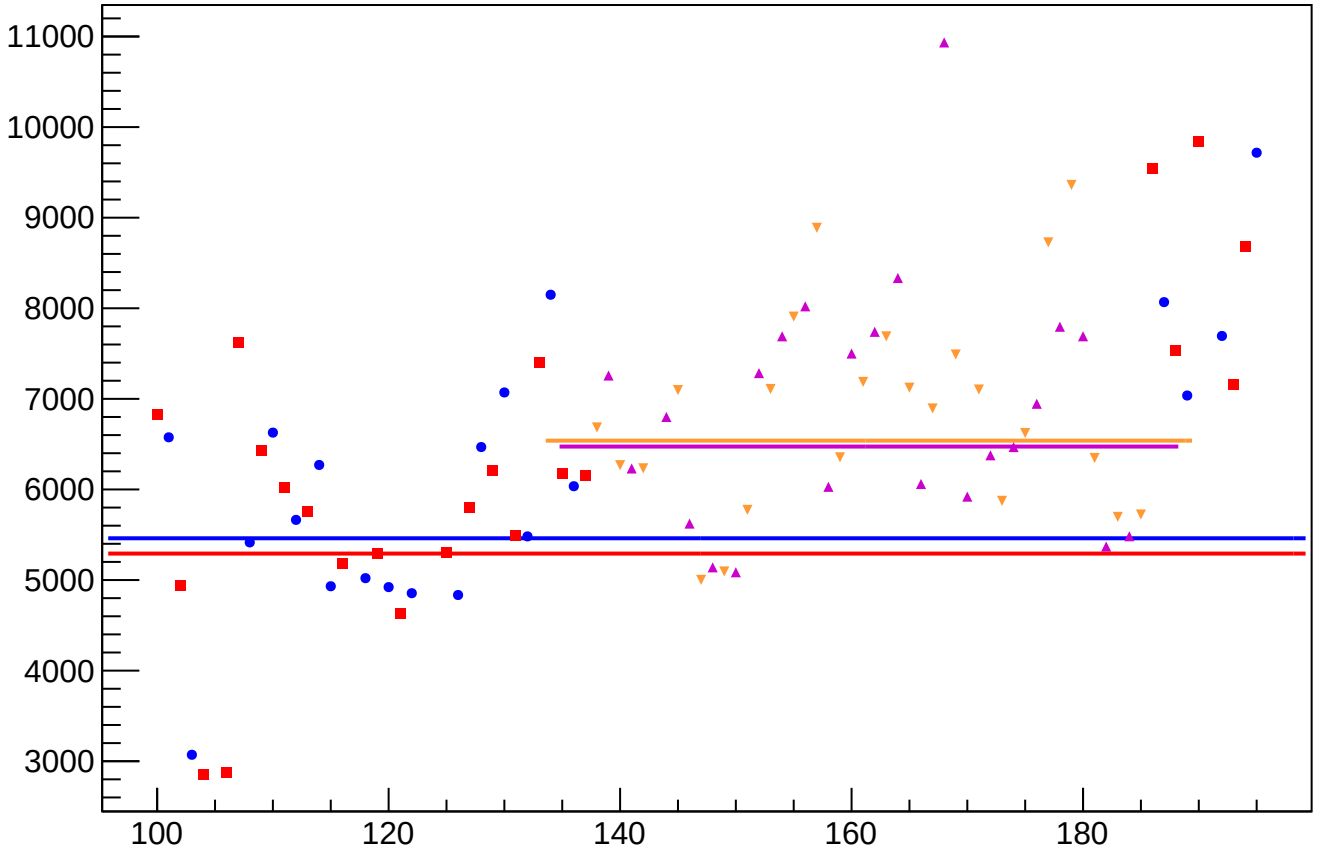
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 4353.368+/-1180.167 χ^2/NDF: 46.2/43

All: -420.531+/-826.748 χ^2/NDF: 116.6/89

\- sign -5020.986+/-1158.530 χ^2/NDF: 38.3/45

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5461.047+/-1.292 χ^2/NDF: 1582830.8/19

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

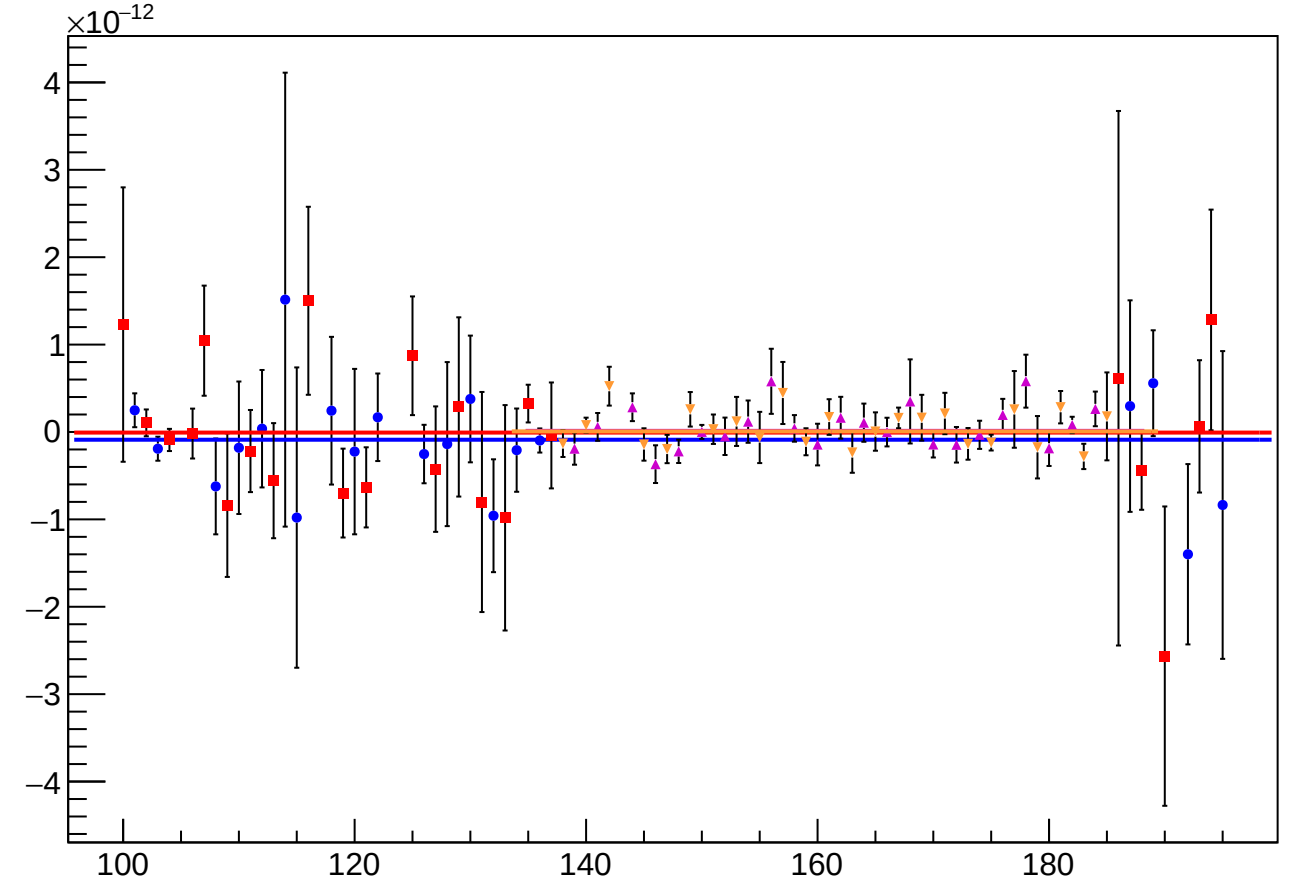
Right Out: 5292.086+/-1.223 χ^2/NDF: 2160292.5/22

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6089.156+/-0.834 χ^2/NDF: 2908915.1/43

All: 6018.508+/-0.582 χ^2/NDF: 6675594.0/89

- sign 5951.440+/-0.813 χ^2/NDF: 3752707.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

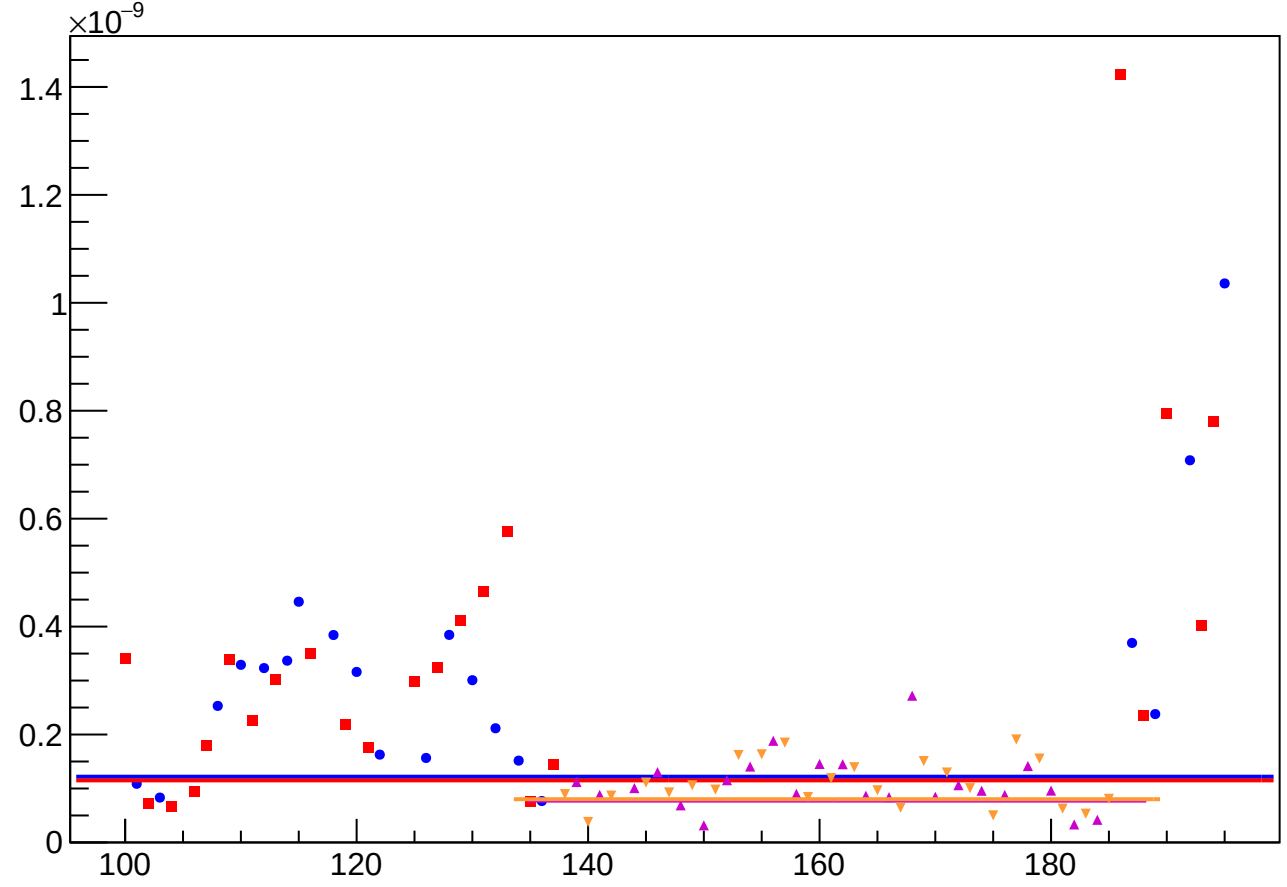
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/22

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: 85.5/89

- sign 0.000+/-0.000 χ^2/NDF: 45.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 2888598.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

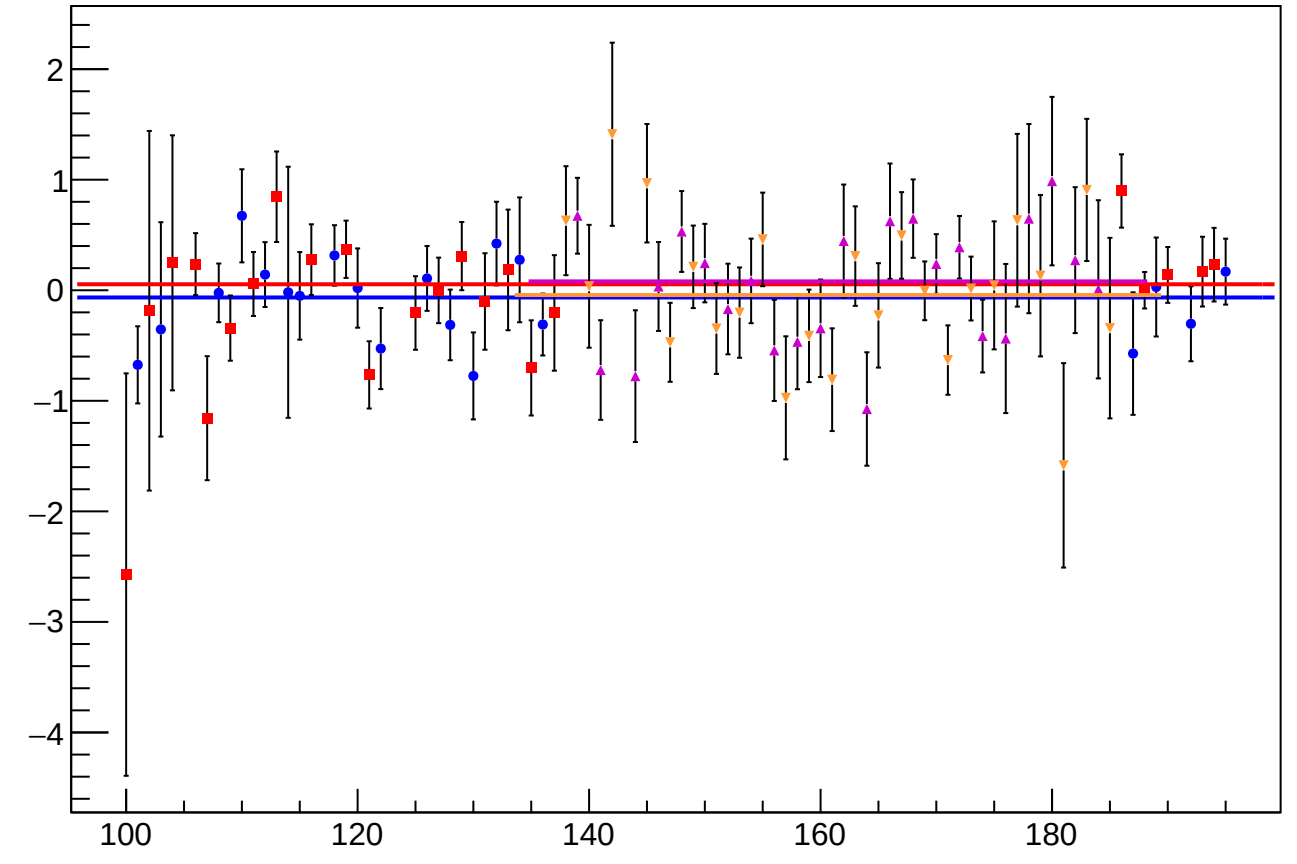
Right Out: 0.000+/-0.000 χ^2/NDF: 3792019.6/22

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: 12384435.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6843140.5/45



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: 0.054+/-0.069 χ^2/NDF: 34.0/22

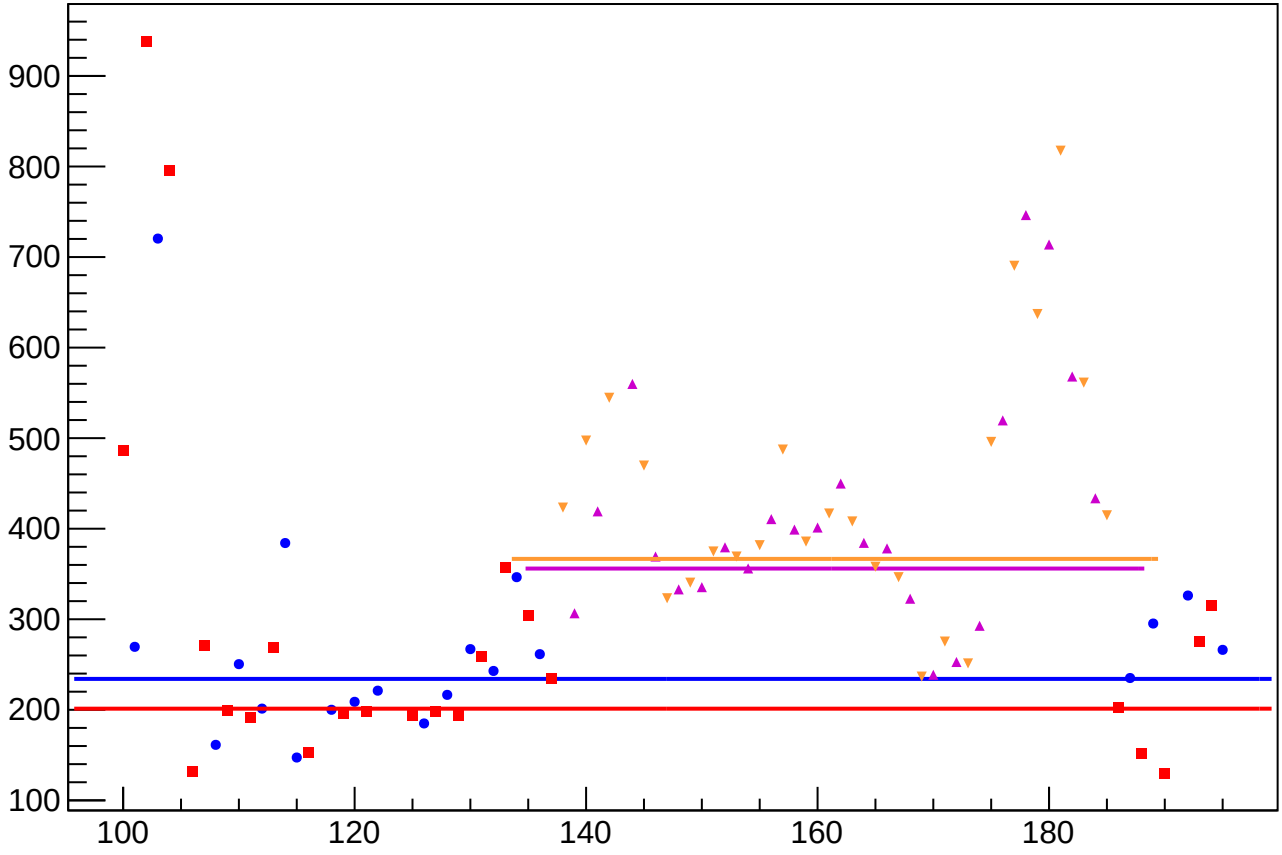
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.010+/-0.040 χ^2/NDF: 116.9/89

\- sign 0.064+/-0.054 χ^2/NDF: 64.3/45

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

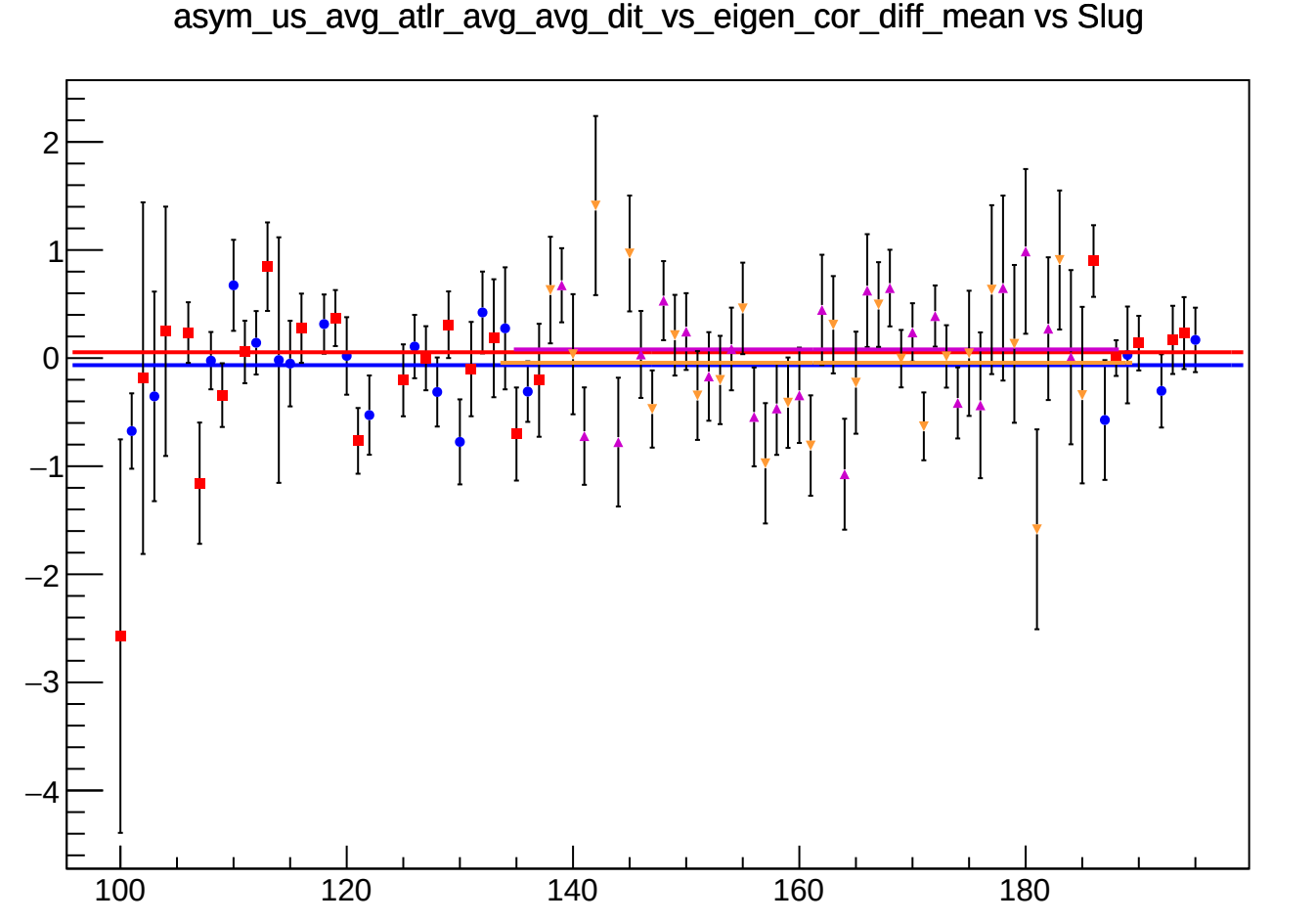
Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.473+/-0.042 χ^2/NDF: 6505681.1/43

All: 274.635+/-0.028 χ^2/NDF: 15351764.8/89

- sign 260.120+/-0.038 χ^2/NDF: 8525621.1/45



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

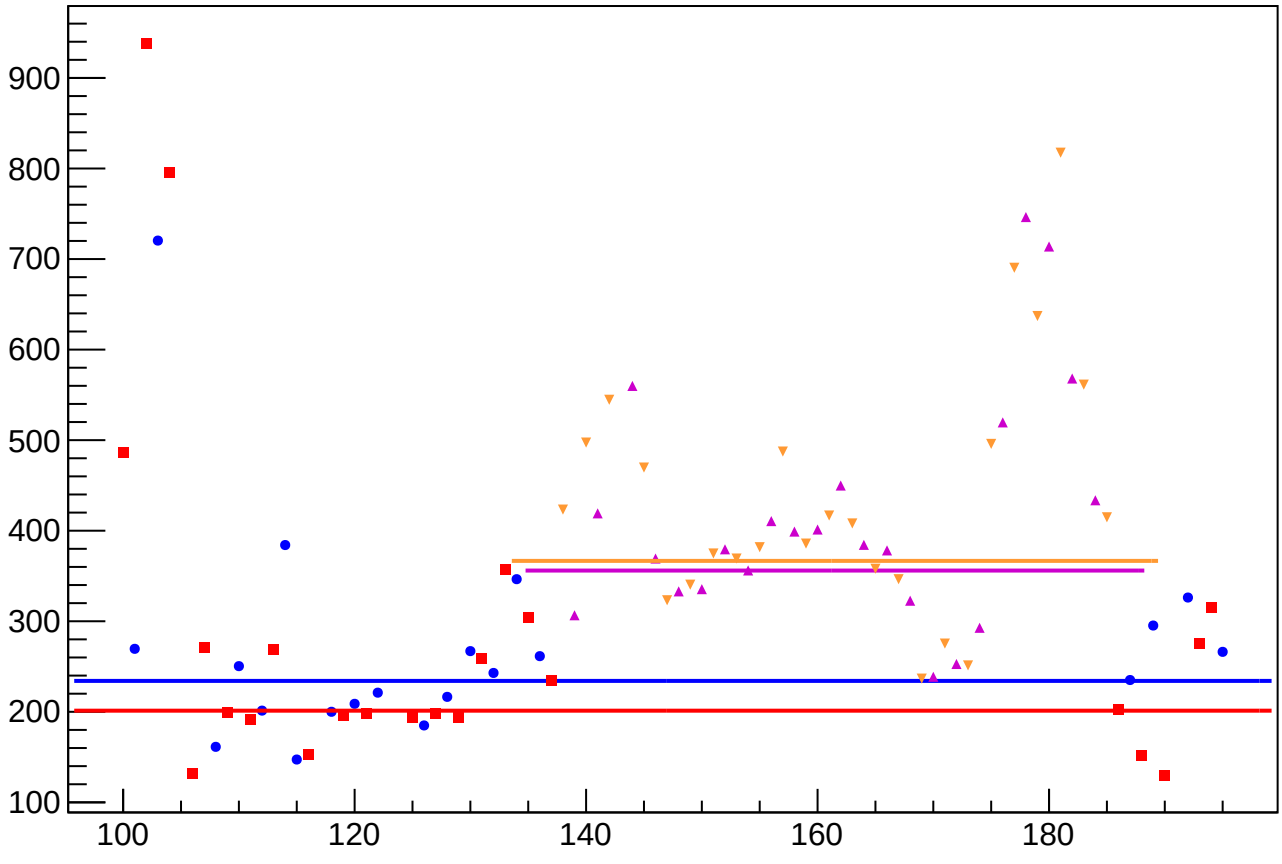
Right Out: 0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.010+/-0.040 χ^2/NDF: 116.9/89

- sign 0.064+/-0.054 χ^2/NDF: 64.3/45



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

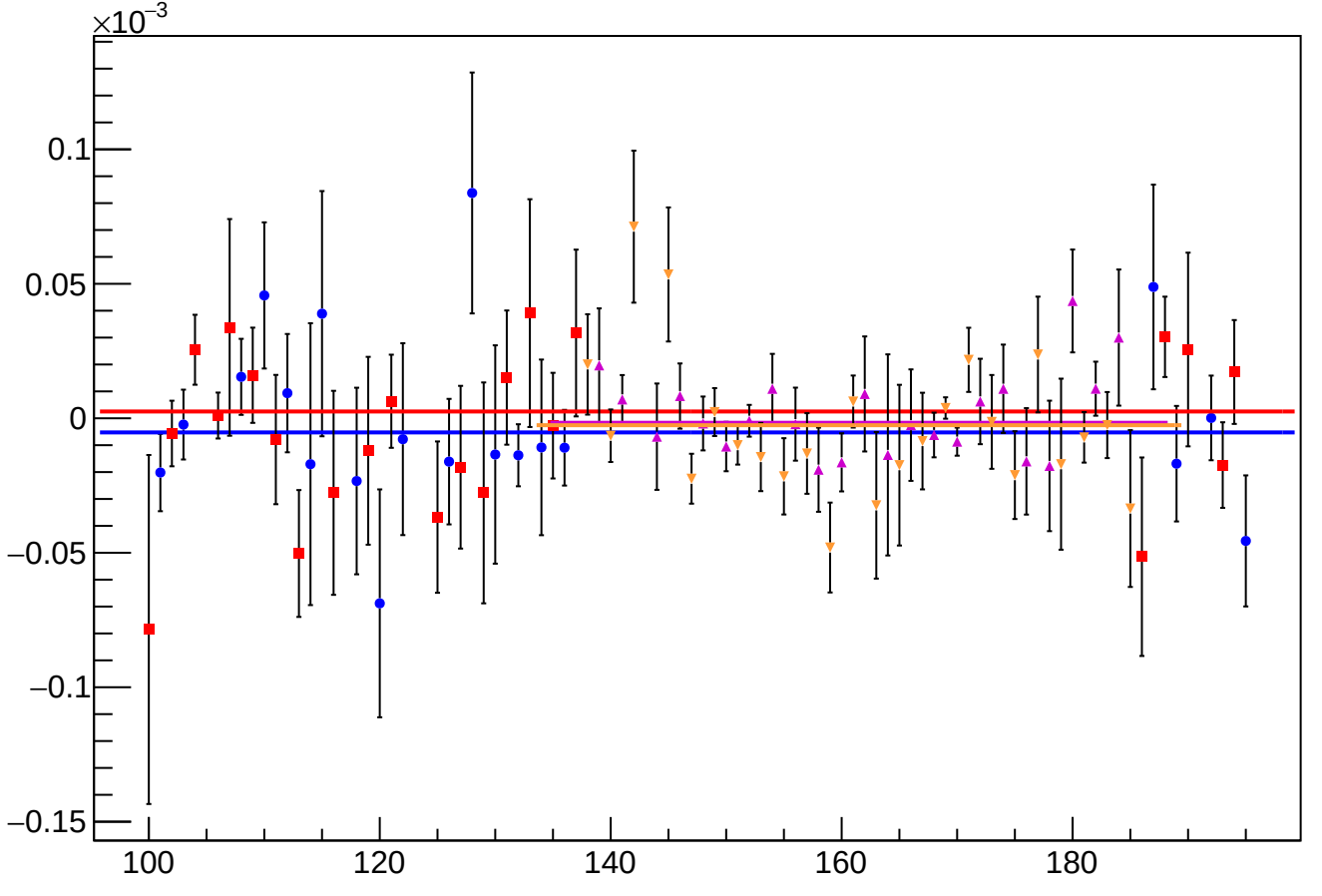
Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.473+/-0.042 χ^2/NDF: 6505681.1/43

All: 274.635+/-0.028 χ^2/NDF: 15351764.8/89

- sign 260.120+/-0.038 χ^2/NDF: 8525621.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

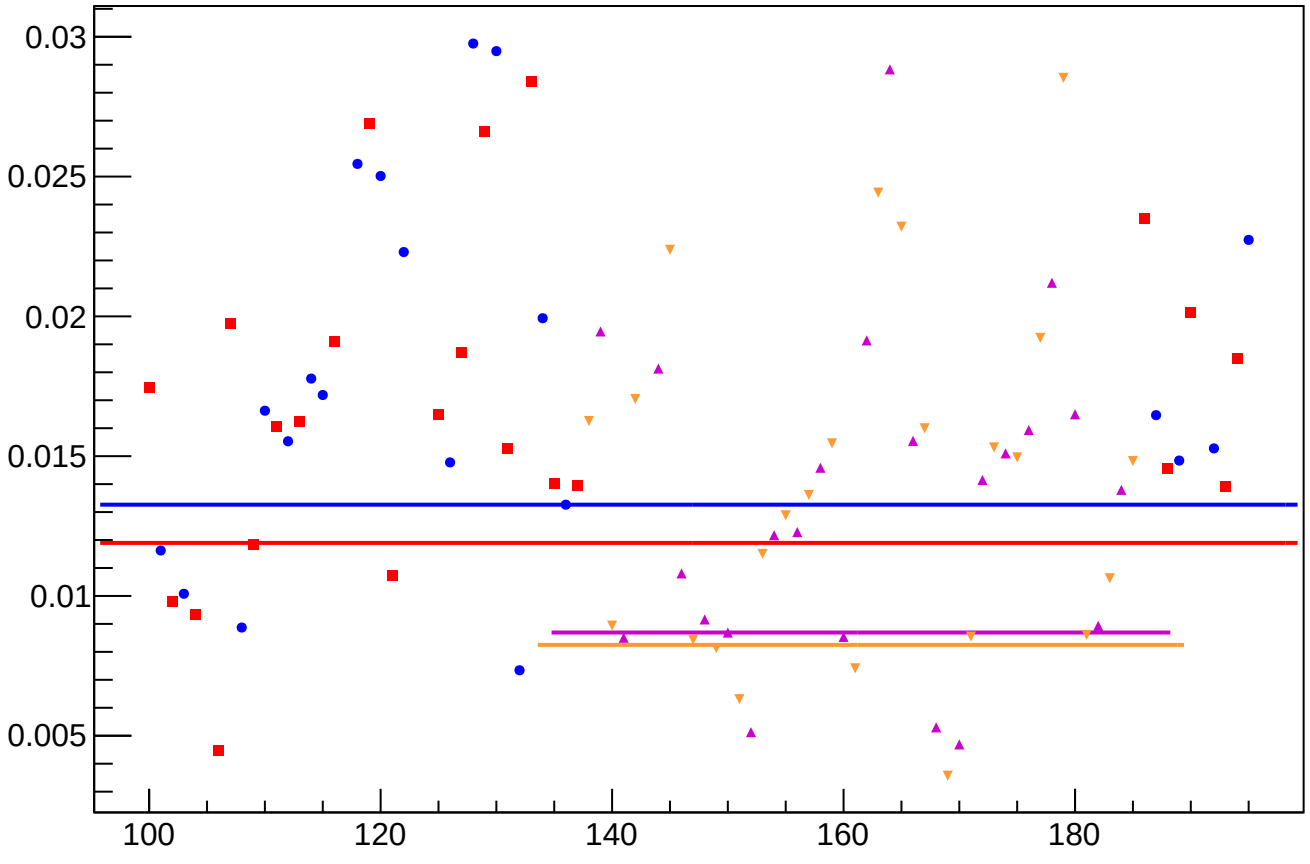
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

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: 112.3/89

- sign -0.000+/-0.000 χ^2/NDF: 47.0/45



Right In: 0.013+/-0.000 χ^2/NDF: 2520524.0/19

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

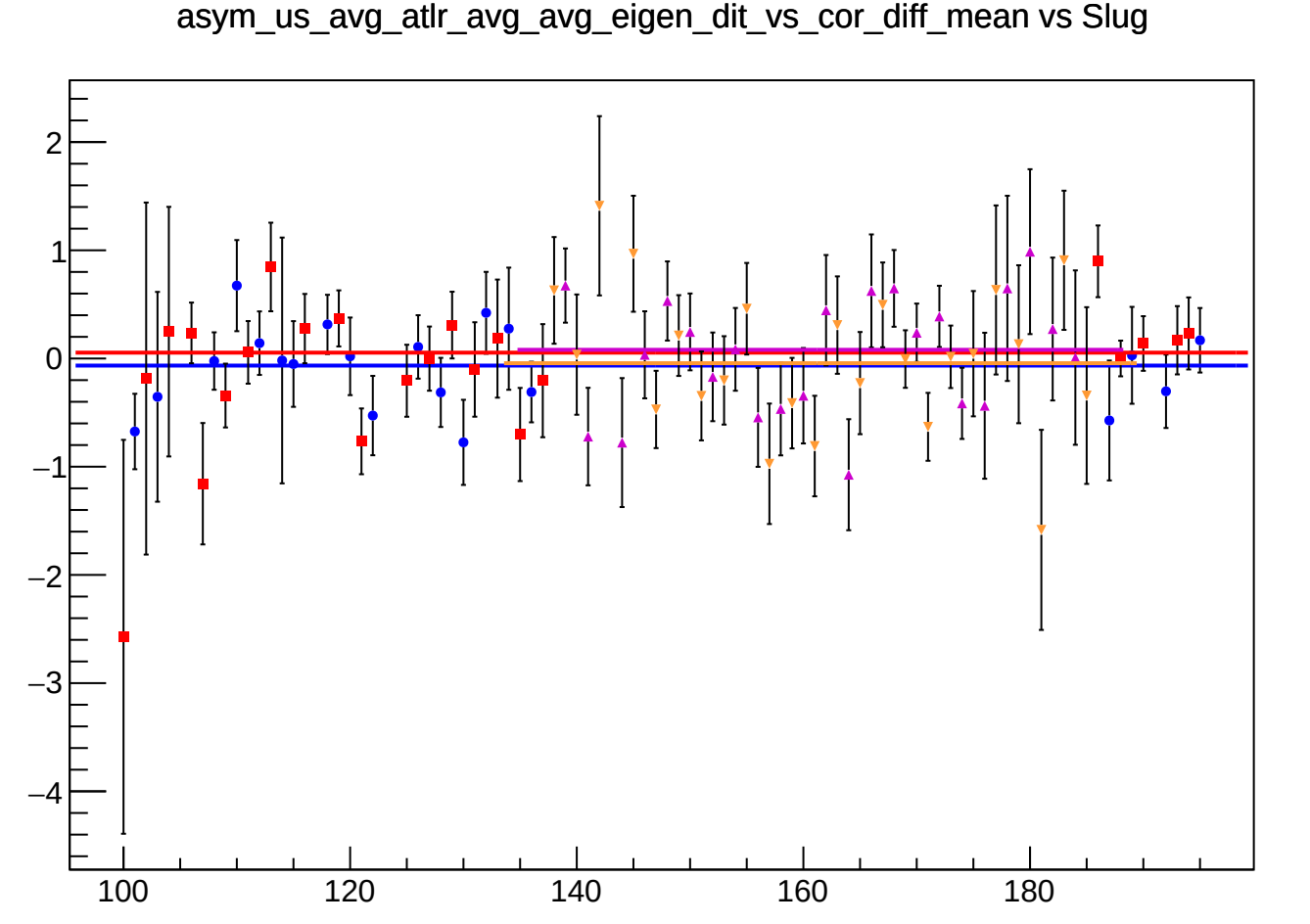
Right Out: 0.012+/-0.000 χ^2/NDF: 3735669.4/22

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: 24868037.4/89

\- sign 0.009+/-0.000 χ^2/NDF: 11538183.5/45



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

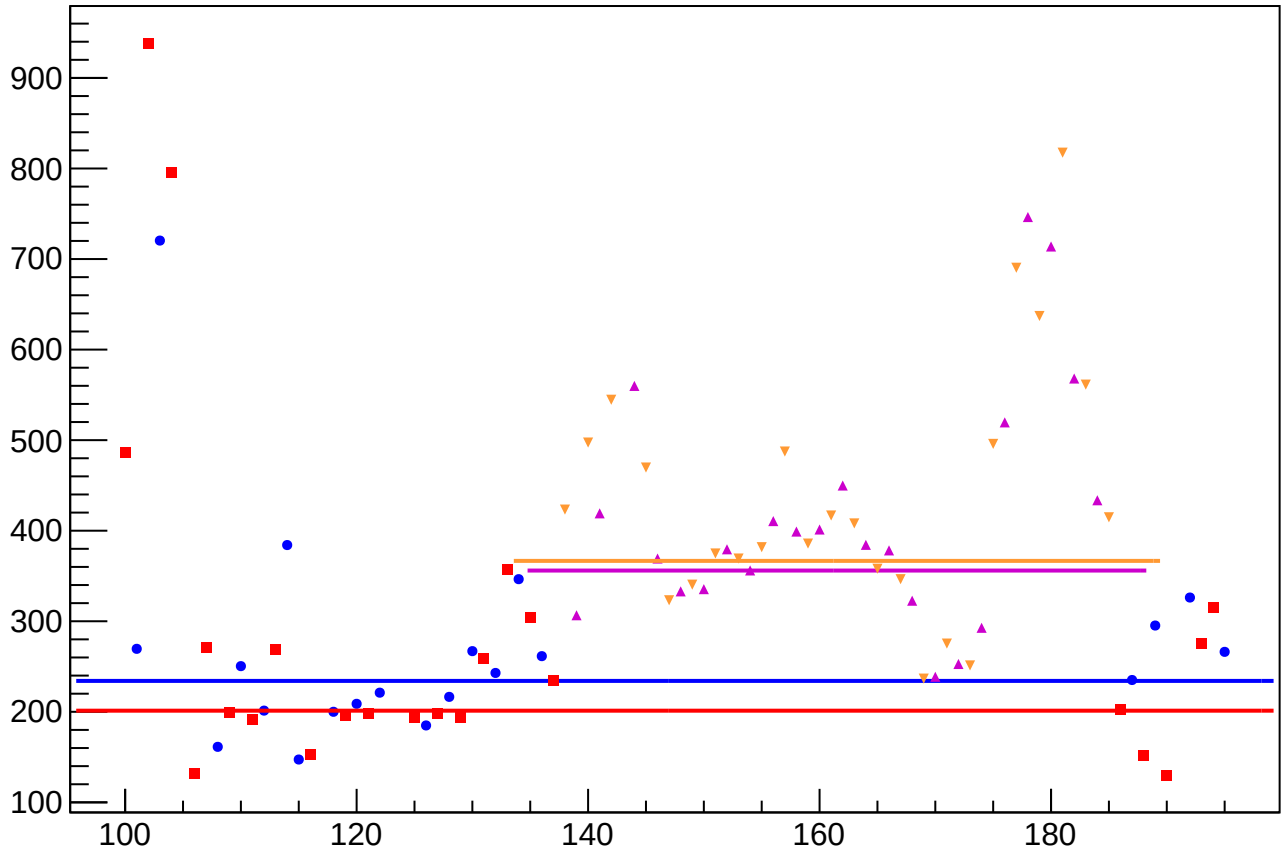
Right Out: 0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.056+/-0.060 χ^2/NDF: 50.3/43

All: 0.010+/-0.040 χ^2/NDF: 116.9/89

- sign 0.064+/-0.054 χ^2/NDF: 64.3/45



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

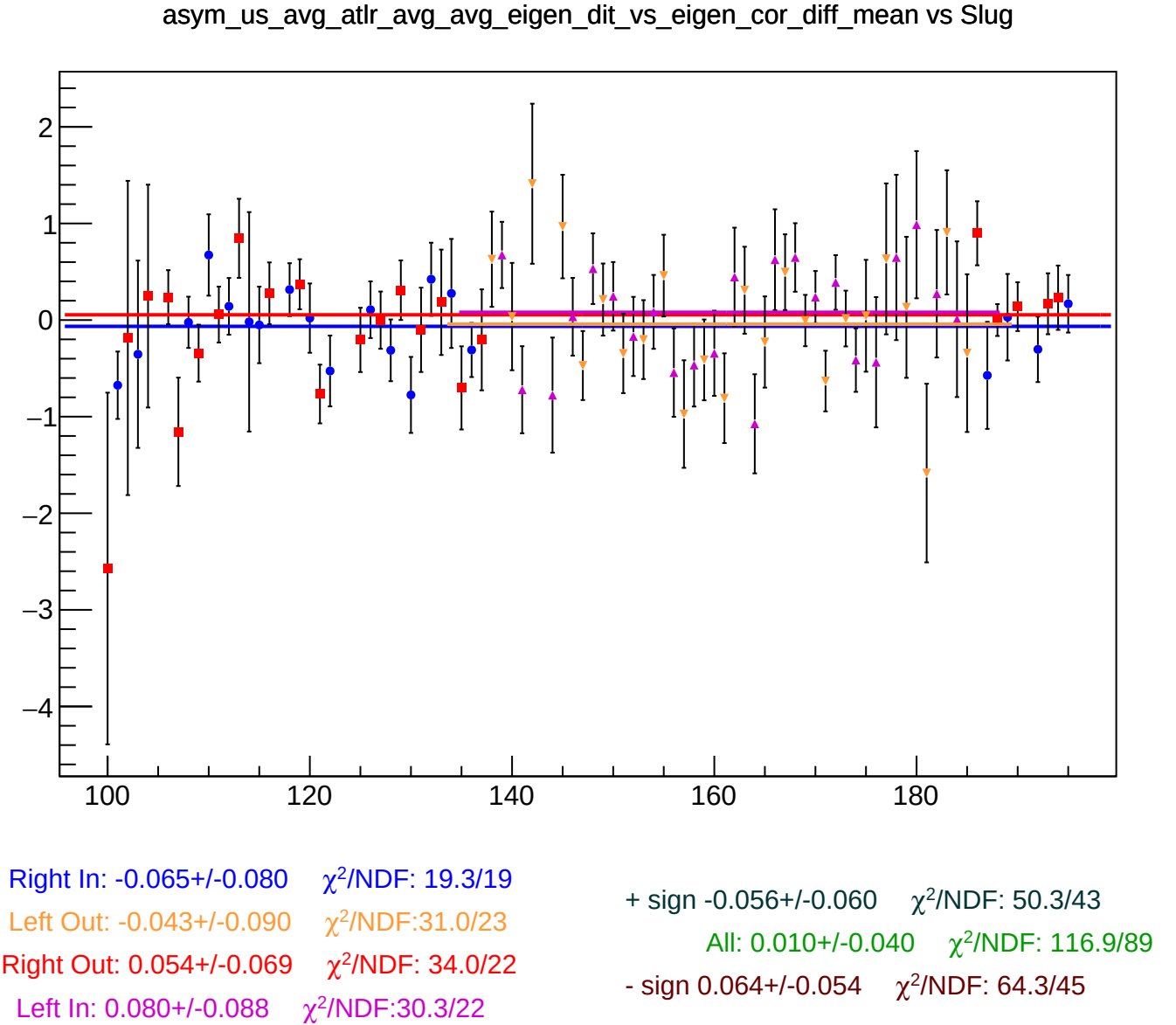
Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

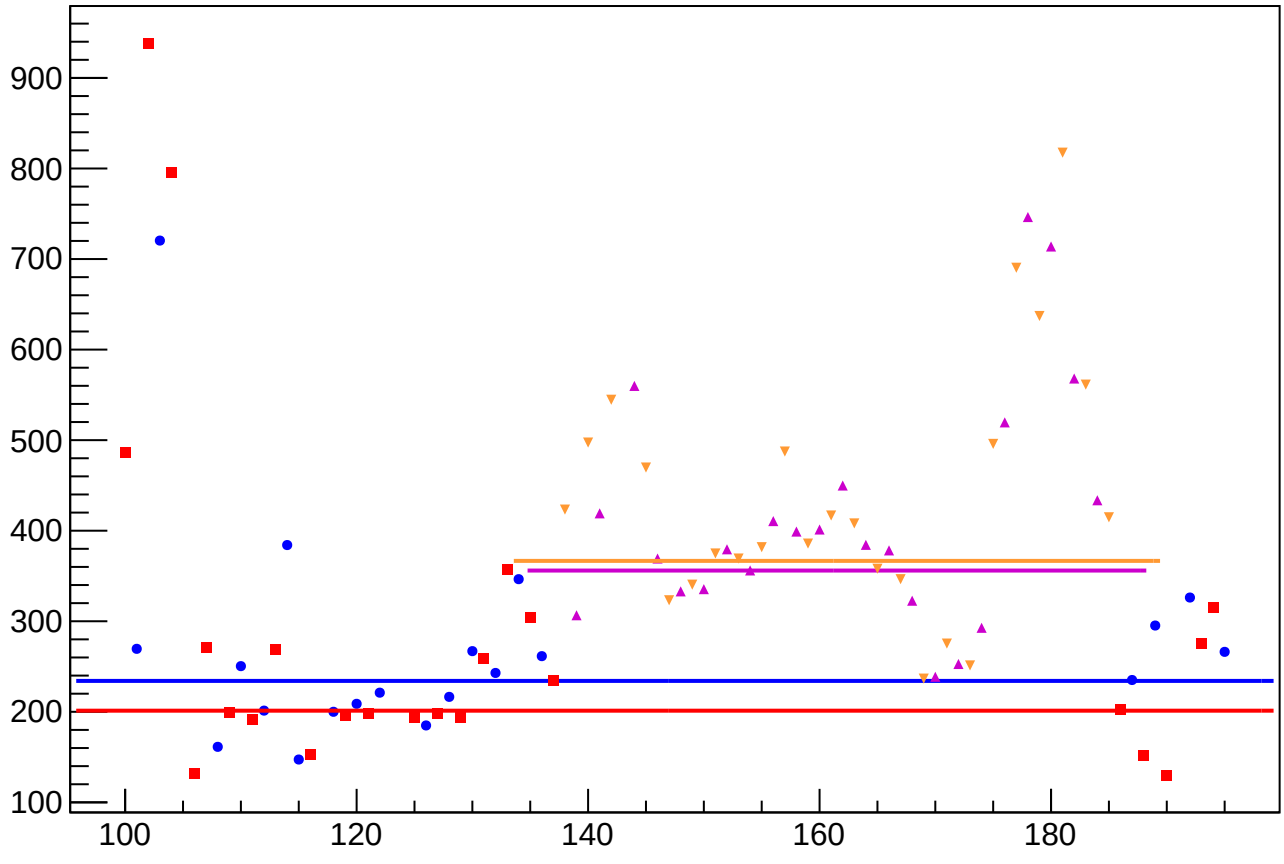
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.472+/-0.042 χ^2/NDF: 6505964.8/43

All: 274.632+/-0.028 χ^2/NDF: 15352501.1/89

- sign 260.118+/-0.038 χ^2/NDF: 8526043.6/45


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.065+/-0.080 χ²/NDF: 19.3/19
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.054+/-0.069 χ²/NDF: 34.0/22
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.056+/-0.060 χ²/NDF: 50.3/43
All: 0.010+/-0.040 χ²/NDF: 116.9/89
- sign 0.064+/-0.054 χ²/NDF: 64.3/45



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

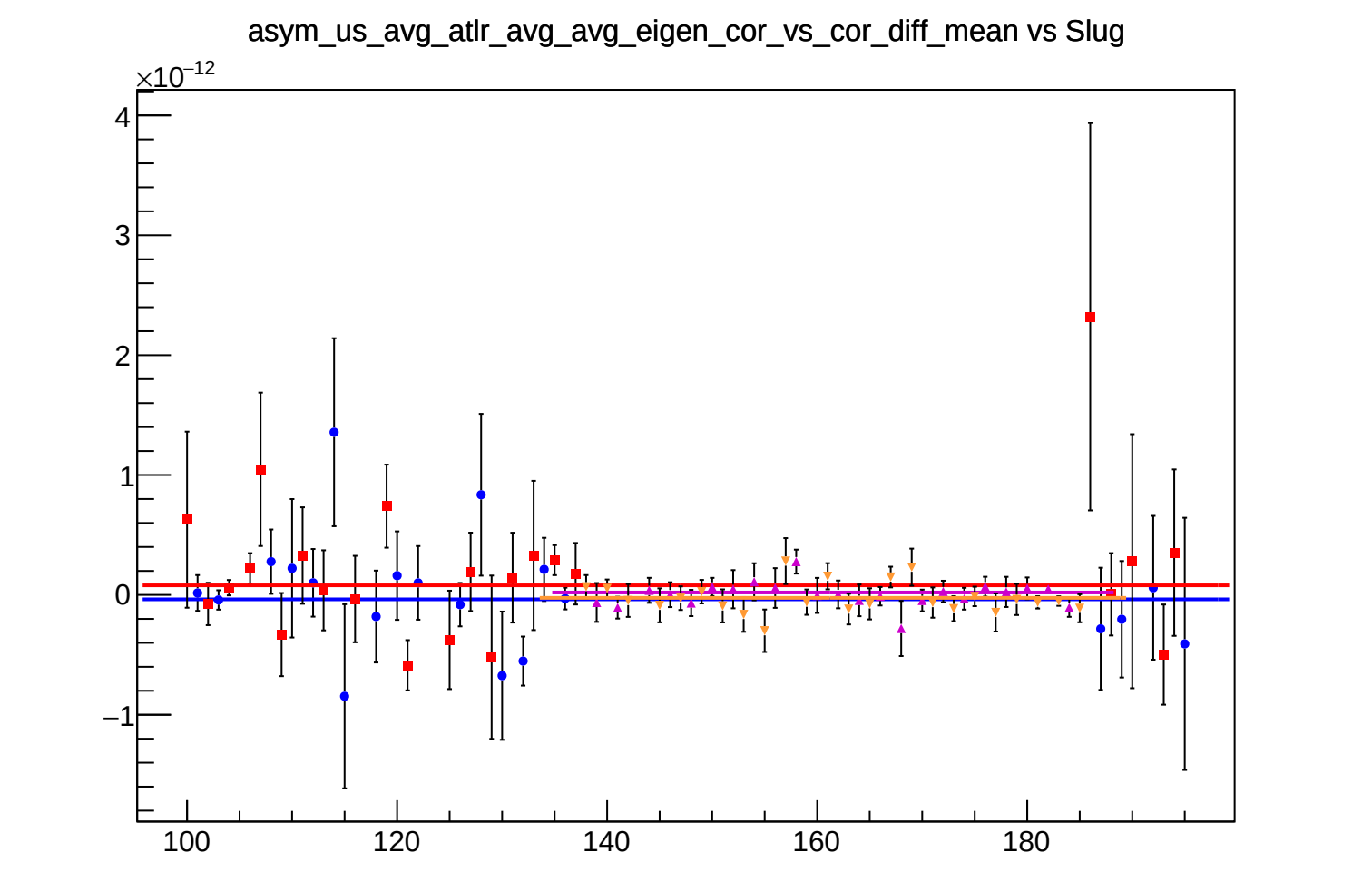
Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.472+/-0.042 χ^2/NDF: 6505964.8/43

All: 274.632+/-0.028 χ^2/NDF: 15352501.1/89

- sign 260.118+/-0.038 χ^2/NDF: 8526043.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

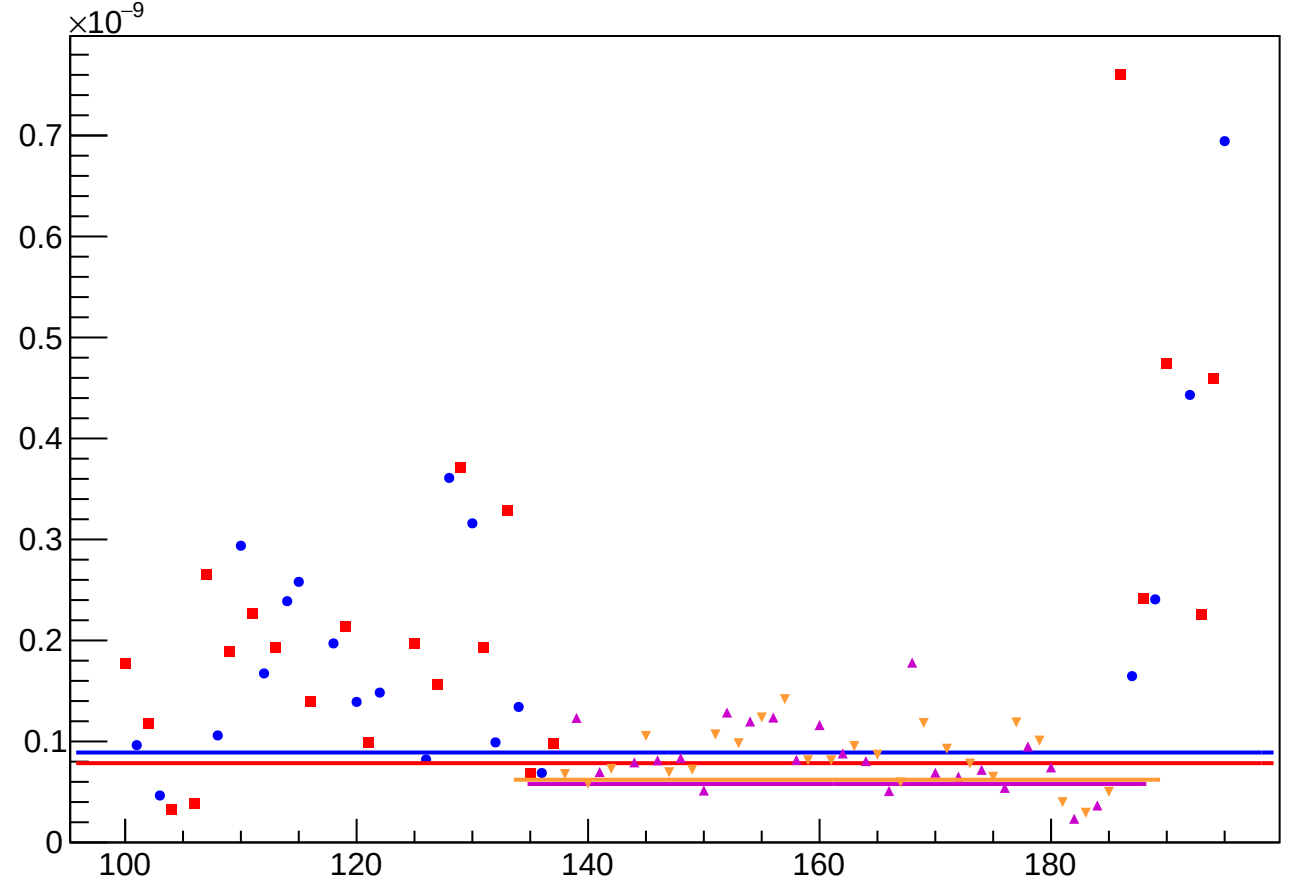
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/22

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/43

All: 0.000+/-0.000 χ^2/NDF: 93.5/89

- sign 0.000+/-0.000 χ^2/NDF: 48.7/45



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: 5734207.7/22

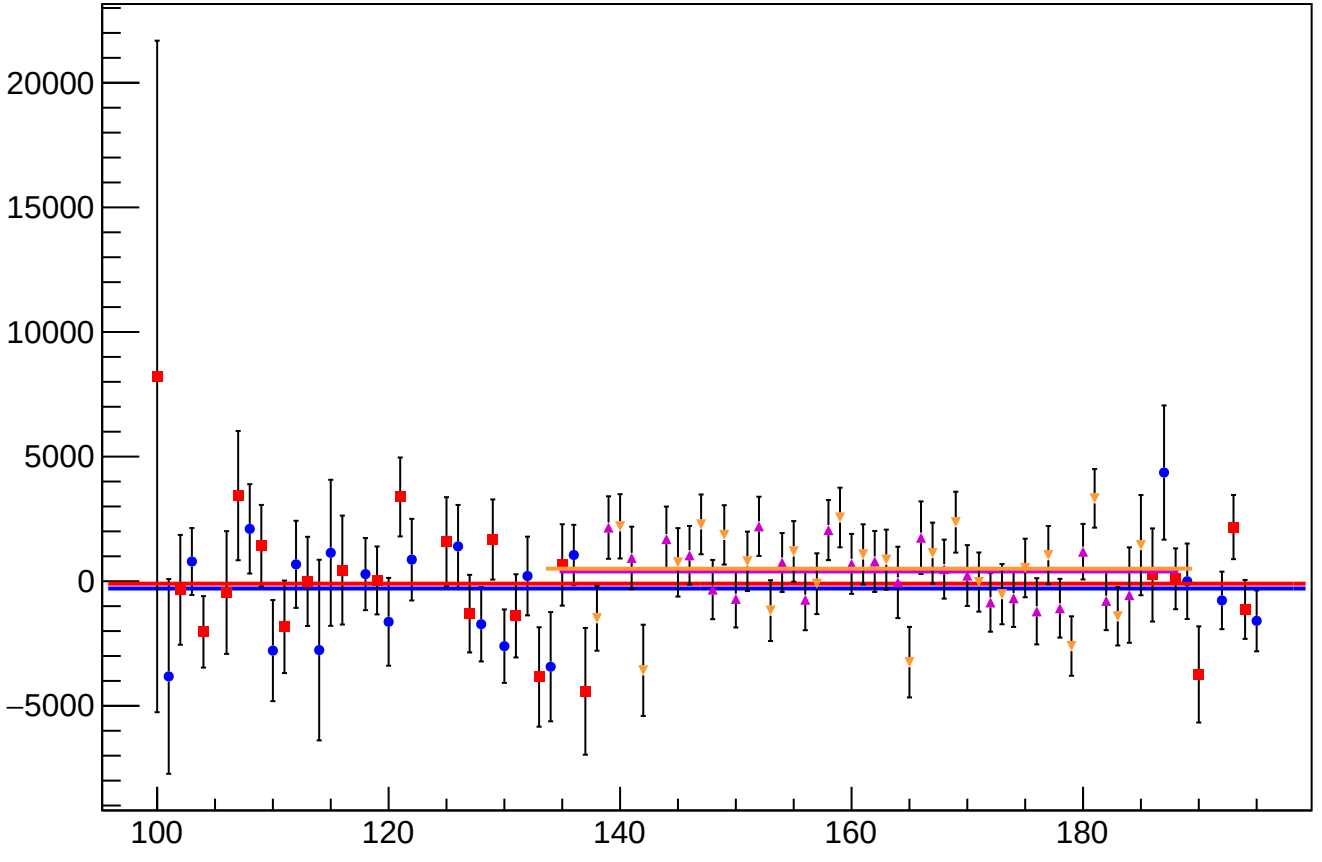
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8533987.3/43

All: 0.000+/-0.000 χ^2/NDF: 20247289.4/89

- sign 0.000+/-0.000 χ^2/NDF: 11628131.8/45

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: -97.220+/-355.035 χ^2/NDF: 28.1/22

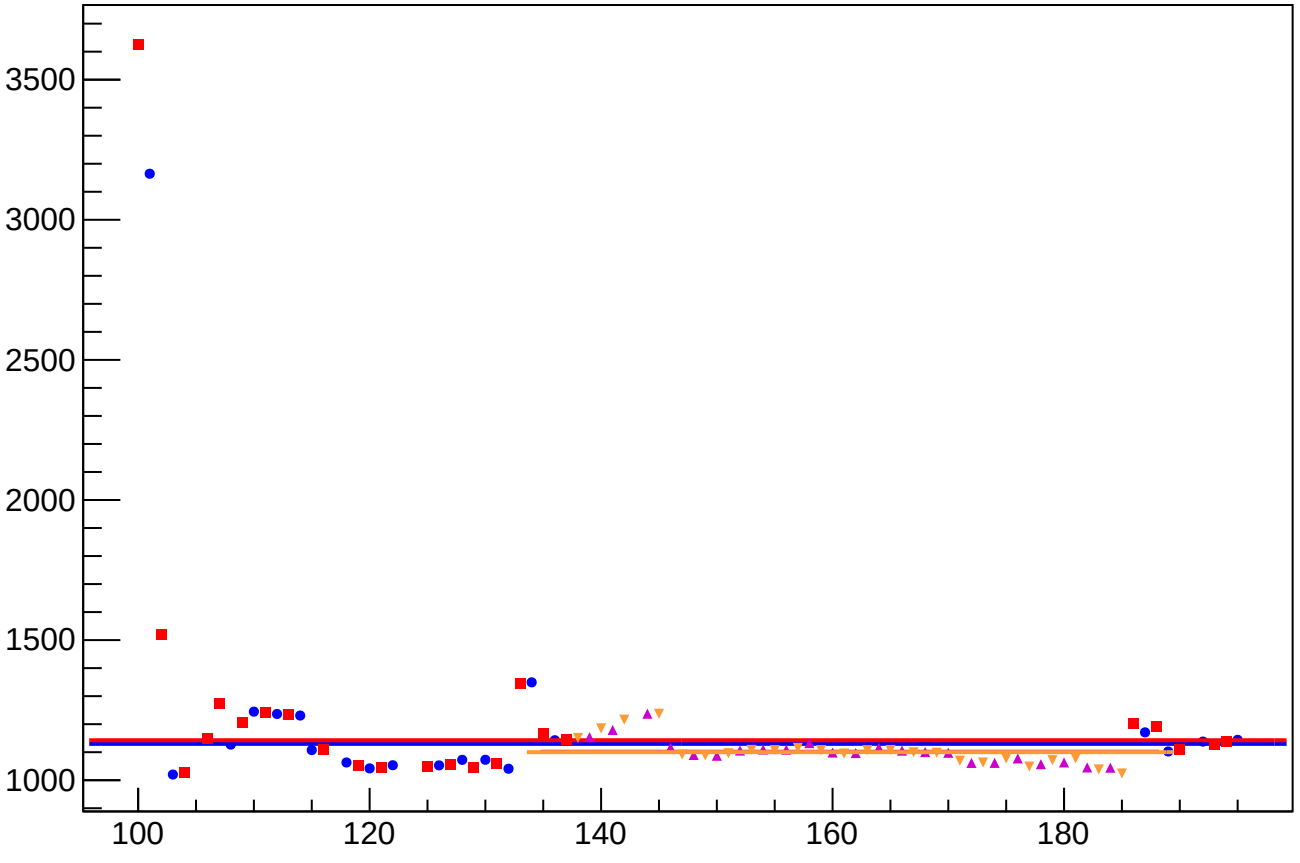
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

\+ sign 243.567+/-209.707 χ^2/NDF: 66.9/43

All: 233.352+/-147.816 χ^2/NDF: 114.1/89

\- sign 223.265+/-208.387 χ^2/NDF: 47.2/45

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

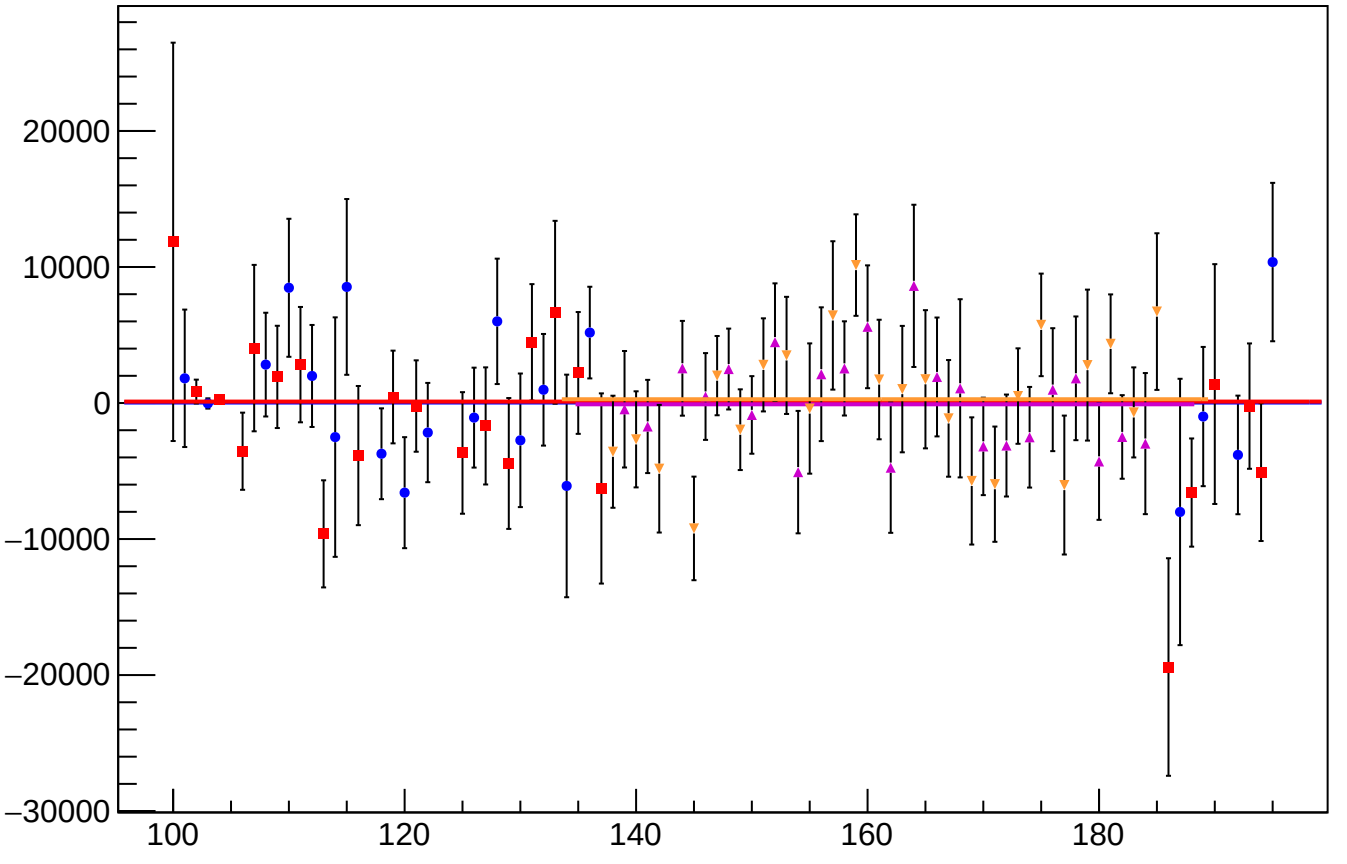
Right Out: 1142.622+/-0.251 χ^2/NDF: 226658.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690450.5/43

All: 1112.751+/-0.104 χ^2/NDF: 987657.6/89

- sign 1115.709+/-0.147 χ^2/NDF: 296395.0/45



Right In: 35.582+/-354.699 χ^2/NDF: 19.5/19

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

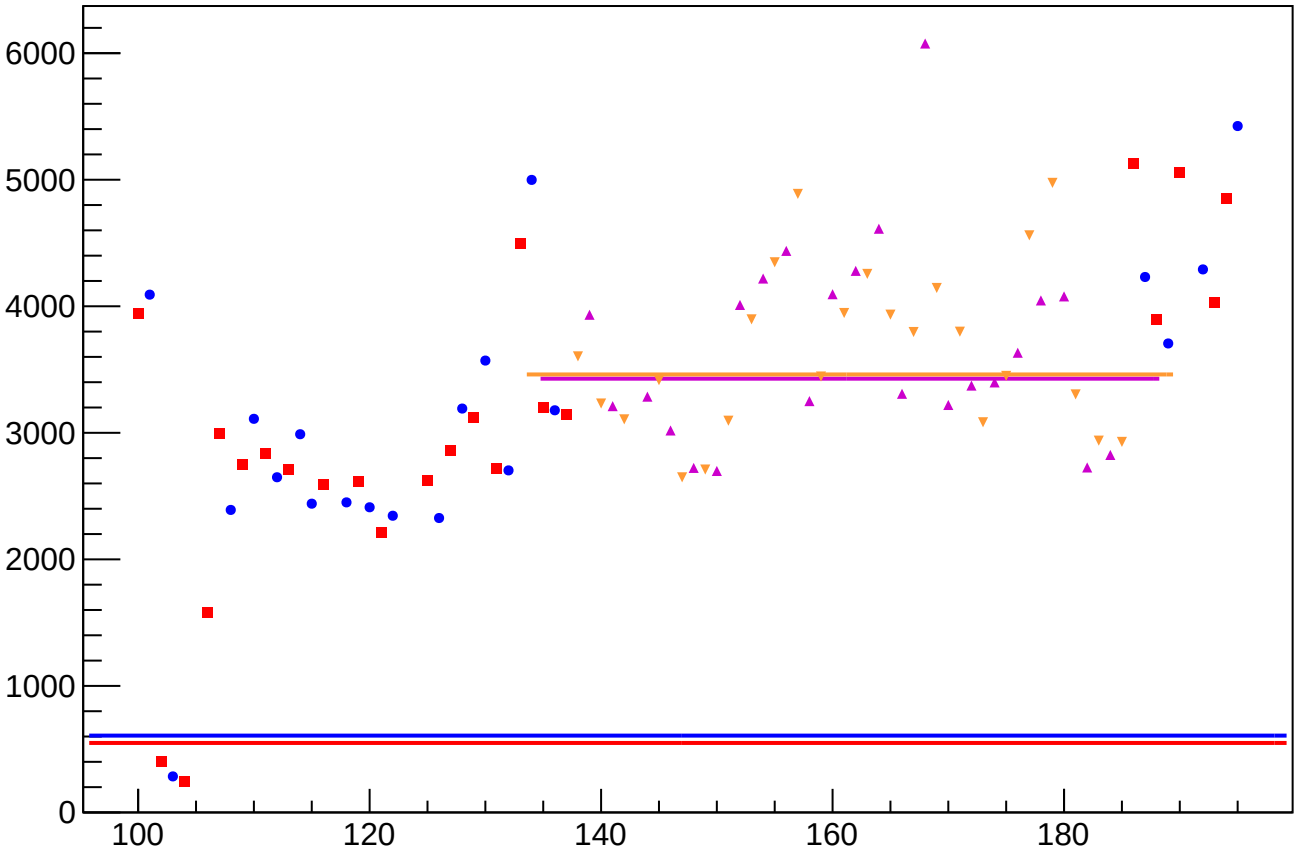
Right Out: 104.996+/-319.603 χ^2/NDF: 25.6/22

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 73.674+/-325.579 χ^2/NDF: 49.4/43

All: 76.303+/-219.682 χ^2/NDF: 88.7/89

- sign 78.500+/-297.650 χ^2/NDF: 39.3/45



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: 549.229+/-0.226 χ^2/NDF: 14458786.9/22

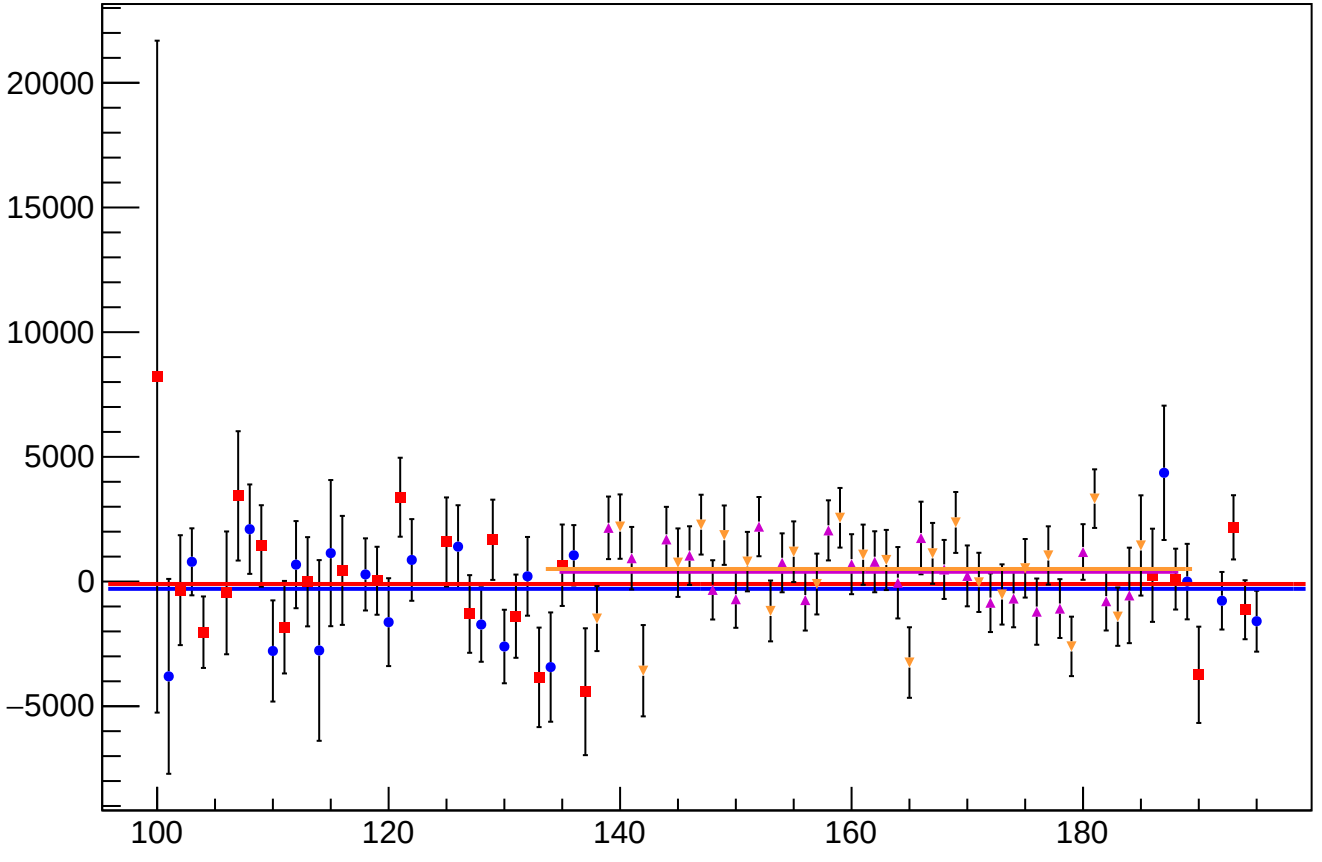
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1056.637+/-0.230 χ^2/NDF: 34995160.3/43

All: 988.254+/-0.155 χ^2/NDF: 72382486.5/89

- sign 931.101+/-0.210 χ^2/NDF: 37225357.4/45

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: -97.318+/-355.035 χ^2/NDF: 28.2/22

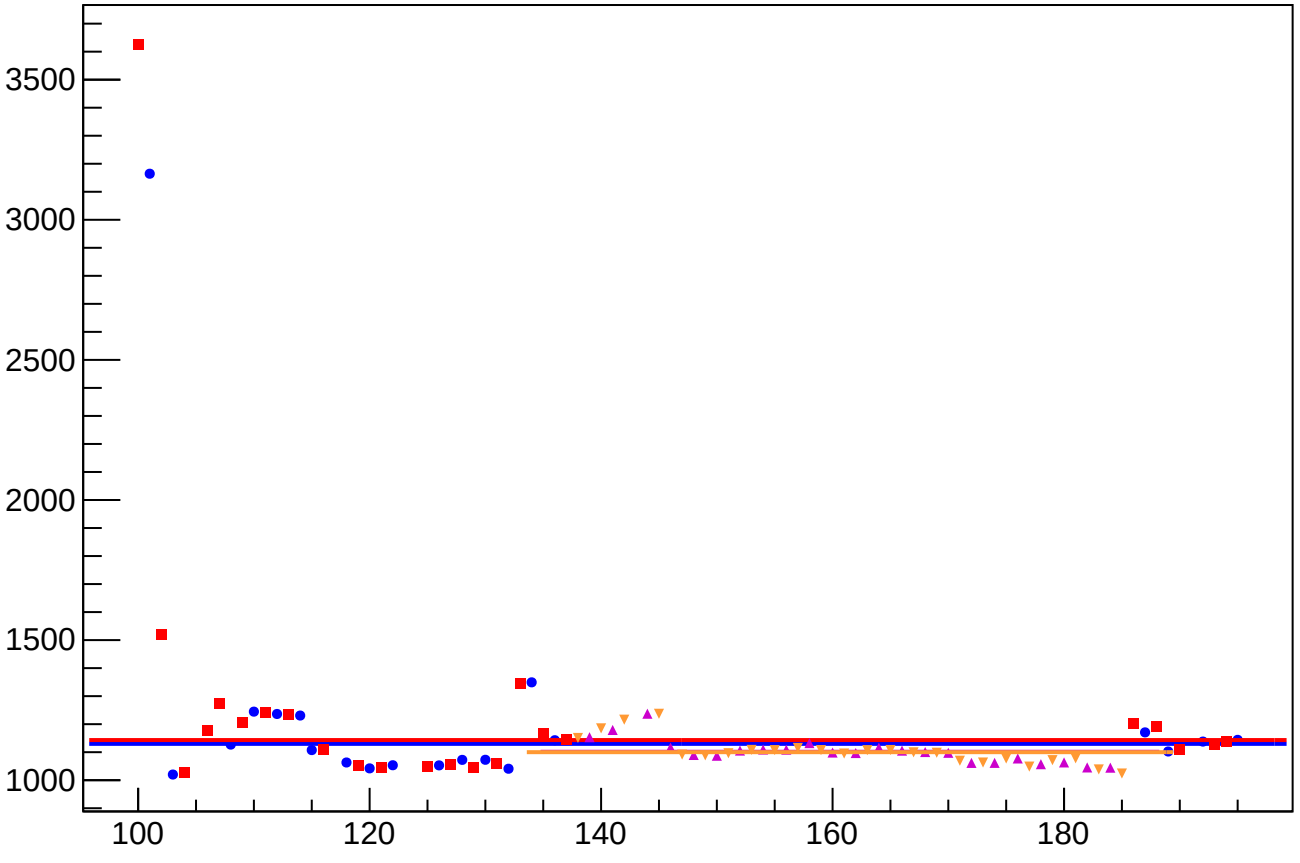
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 243.659+/-209.707 χ^2/NDF: 66.9/43

All: 233.376+/-147.816 χ^2/NDF: 114.1/89

- sign 223.223+/-208.387 χ^2/NDF: 47.2/45

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

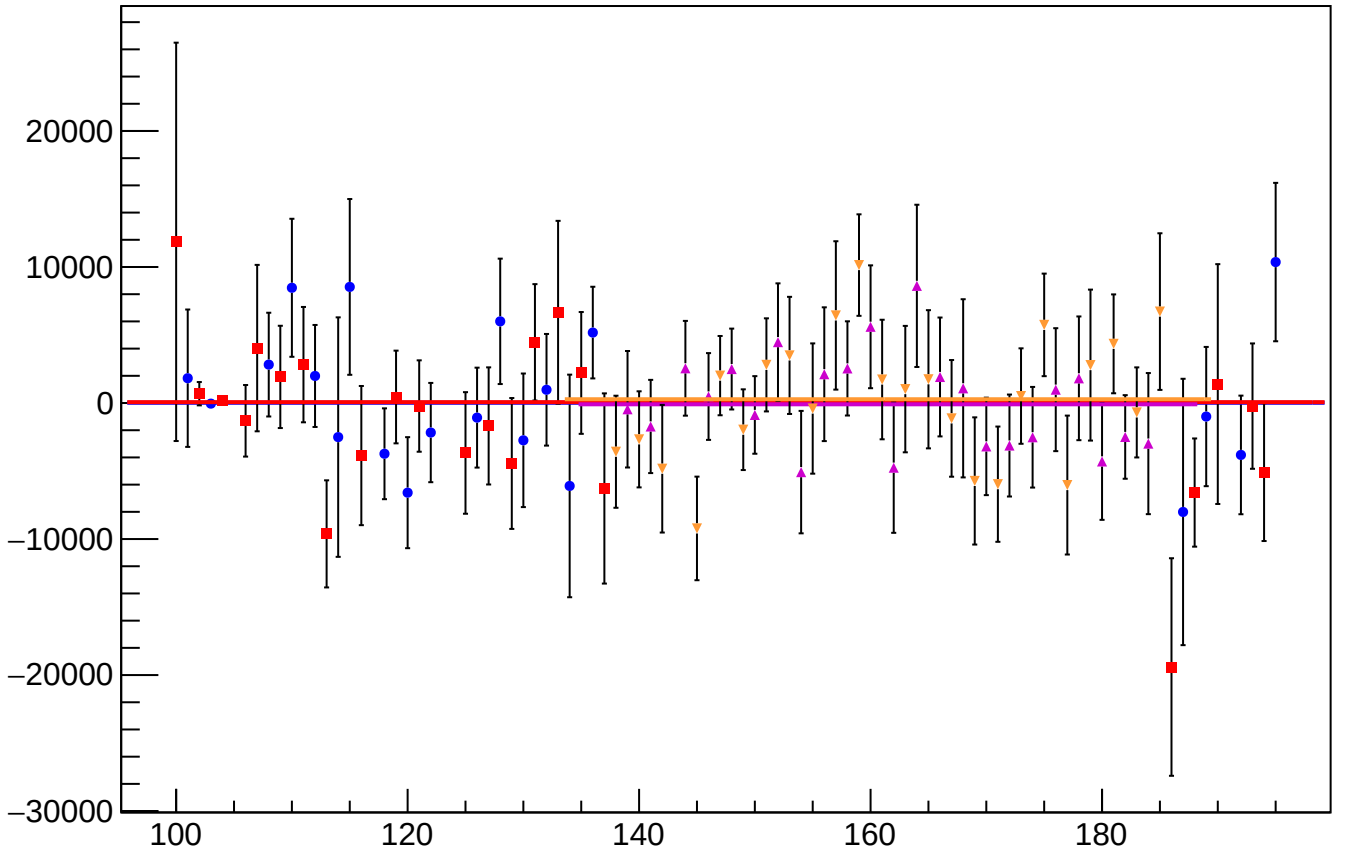
Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690451.5/43

All: 1112.857+/-0.105 χ^2/NDF: 988692.1/89

- sign 1115.921+/-0.147 χ^2/NDF: 297370.0/45



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

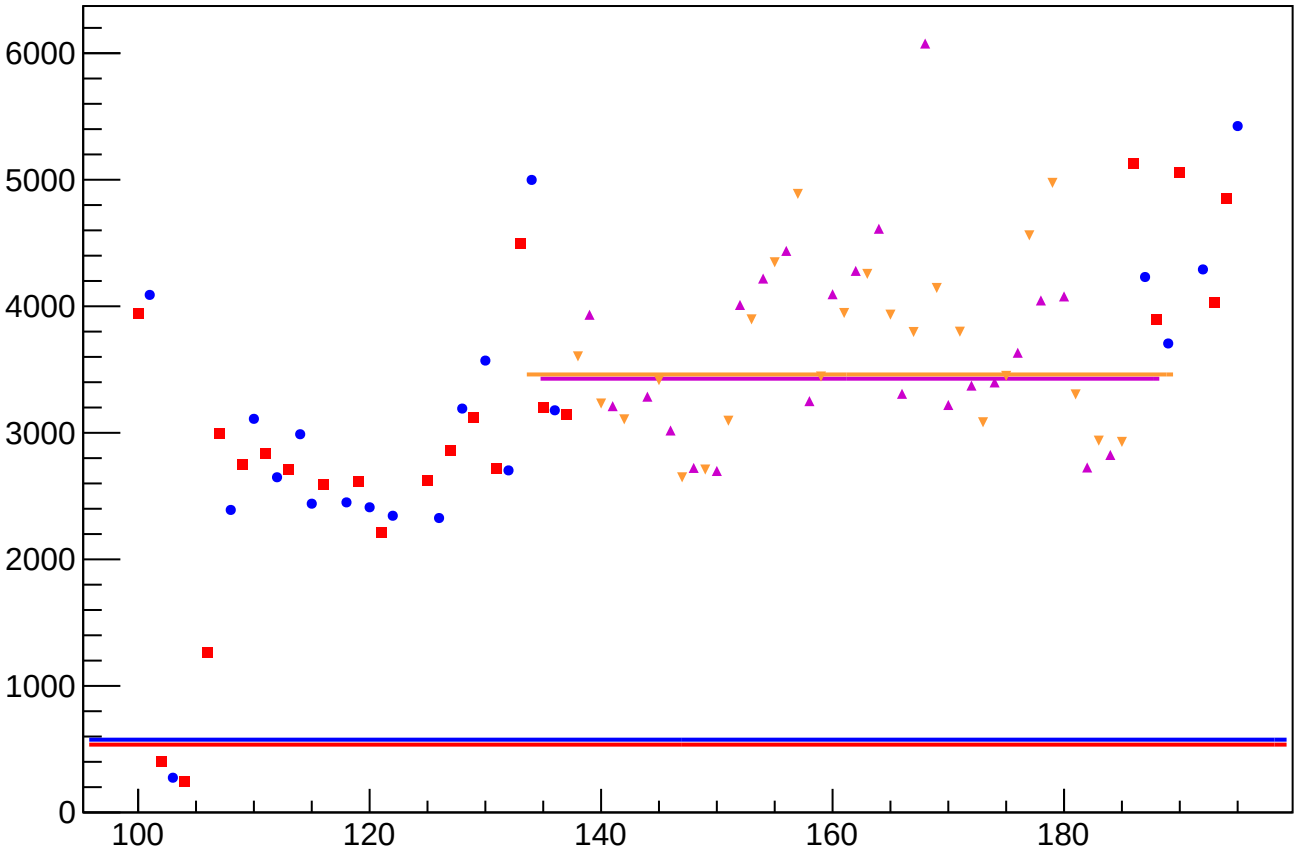
Right Out: 63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 57.564+/-315.584 χ^2/NDF: 49.5/43

All: 49.756+/-214.945 χ^2/NDF: 87.0/89

- sign 43.000+/-293.567 χ^2/NDF: 37.5/45



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: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

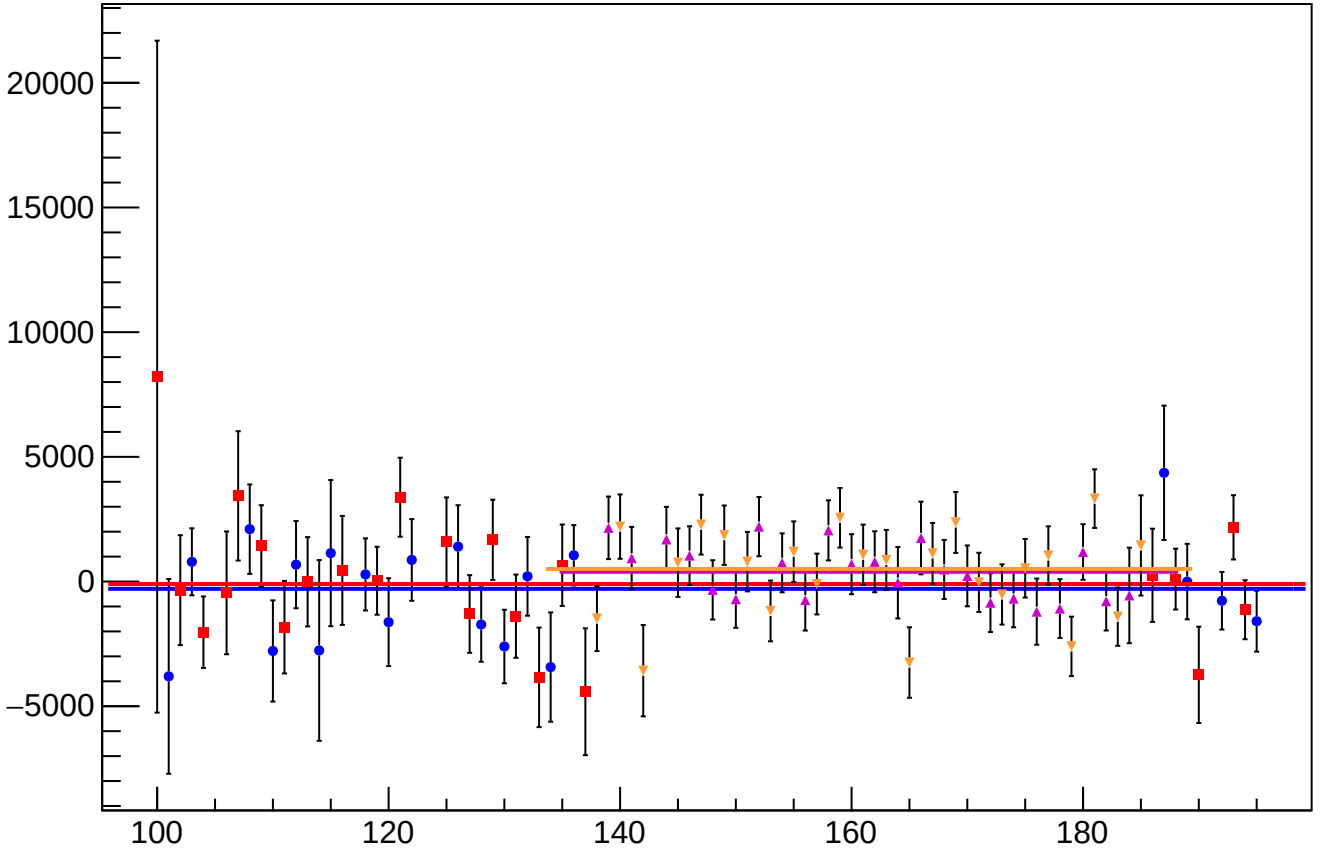
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1002.138+/-0.223 χ^2/NDF: 35903181.1/43

All: 952.320+/-0.152 χ^2/NDF: 73466066.2/89

- sign 909.211+/-0.208 χ^2/NDF: 37469916.7/45

eigen_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: -97.318+/-355.035 χ^2/NDF: 28.2/22

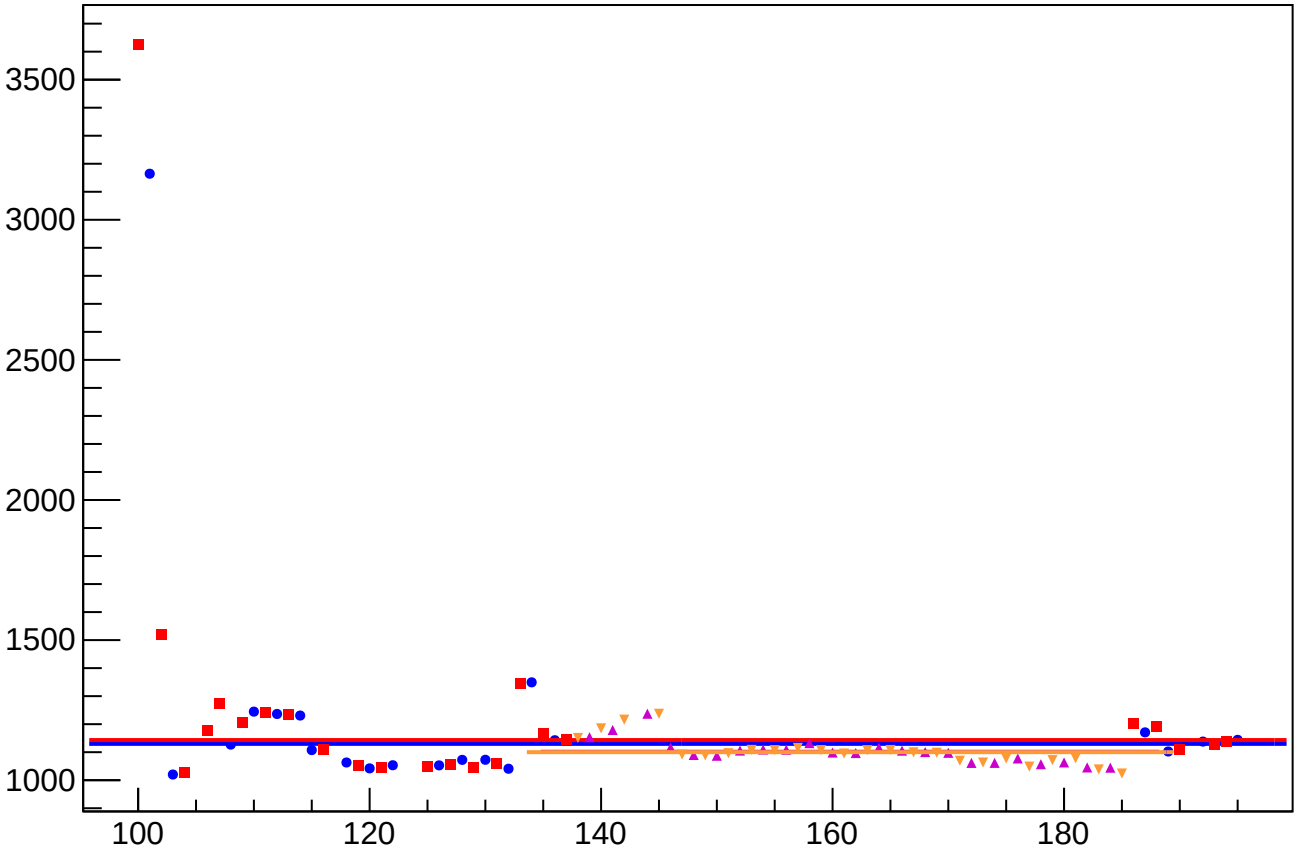
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 243.659+/-209.707 χ^2/NDF: 66.9/43

All: 233.376+/-147.816 χ^2/NDF: 114.1/89

- sign 223.223+/-208.387 χ^2/NDF: 47.2/45

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

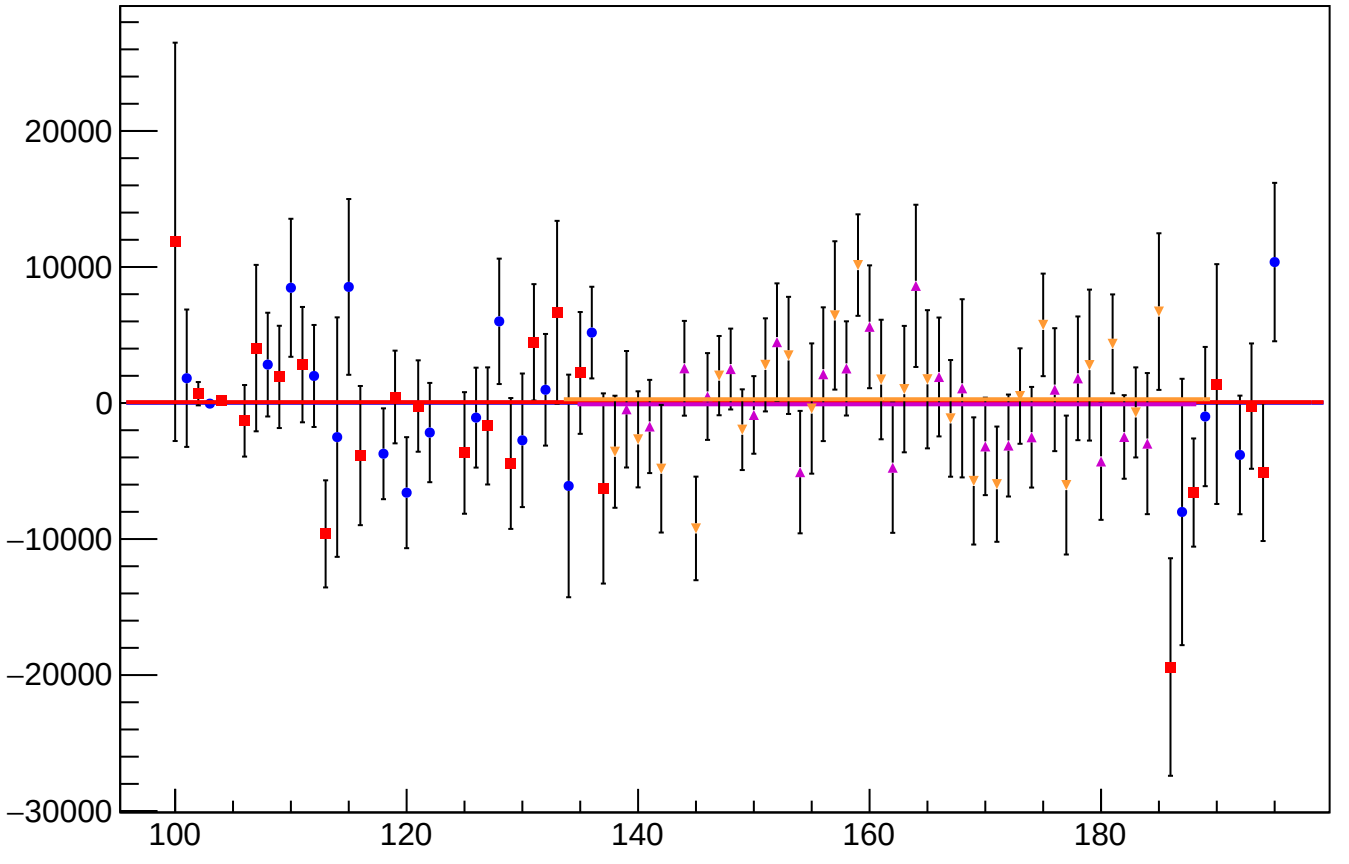
Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.753+/-0.148 χ^2/NDF: 690451.5/43

All: 1112.857+/-0.105 χ^2/NDF: 988692.1/89

- sign 1115.921+/-0.147 χ^2/NDF: 297370.0/45



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

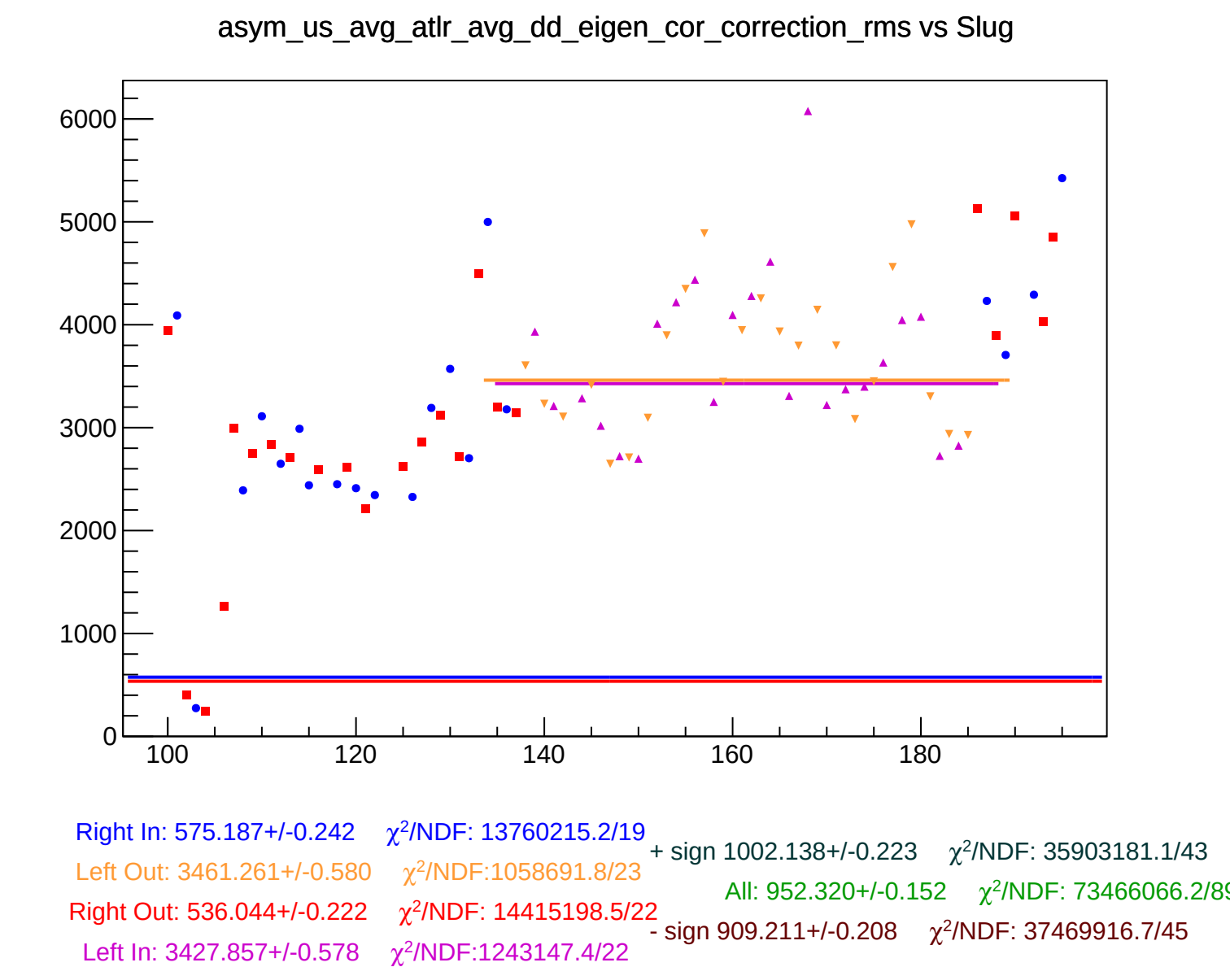
Right Out: 63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

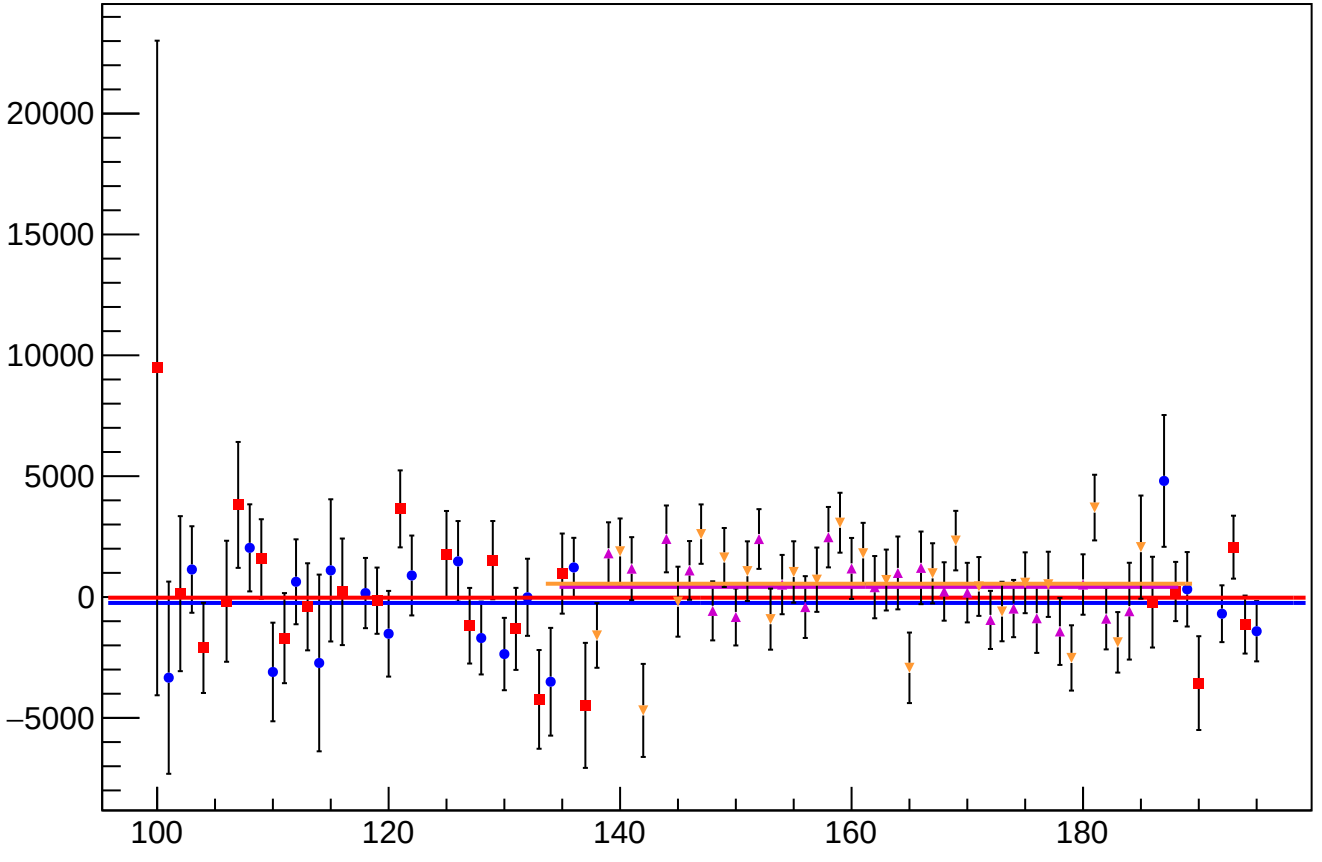
+ sign 57.564+/-315.584 χ^2/NDF: 49.5/43

All: 49.756+/-214.945 χ^2/NDF: 87.0/89

- sign 43.000+/-293.567 χ^2/NDF: 37.5/45


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
Right In: 575.187+/-0.242 χ²/NDF: 13760215.2/19
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 536.044+/-0.222 χ²/NDF: 14415198.5/22
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 1002.138+/-0.223 χ²/NDF: 35903181.1/43
All: 952.320+/-0.152 χ²/NDF: 73466066.2/89
- sign 909.211+/-0.208 χ²/NDF: 37469916.7/45

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: -26.709+/-365.128 χ^2/NDF: 28.5/22

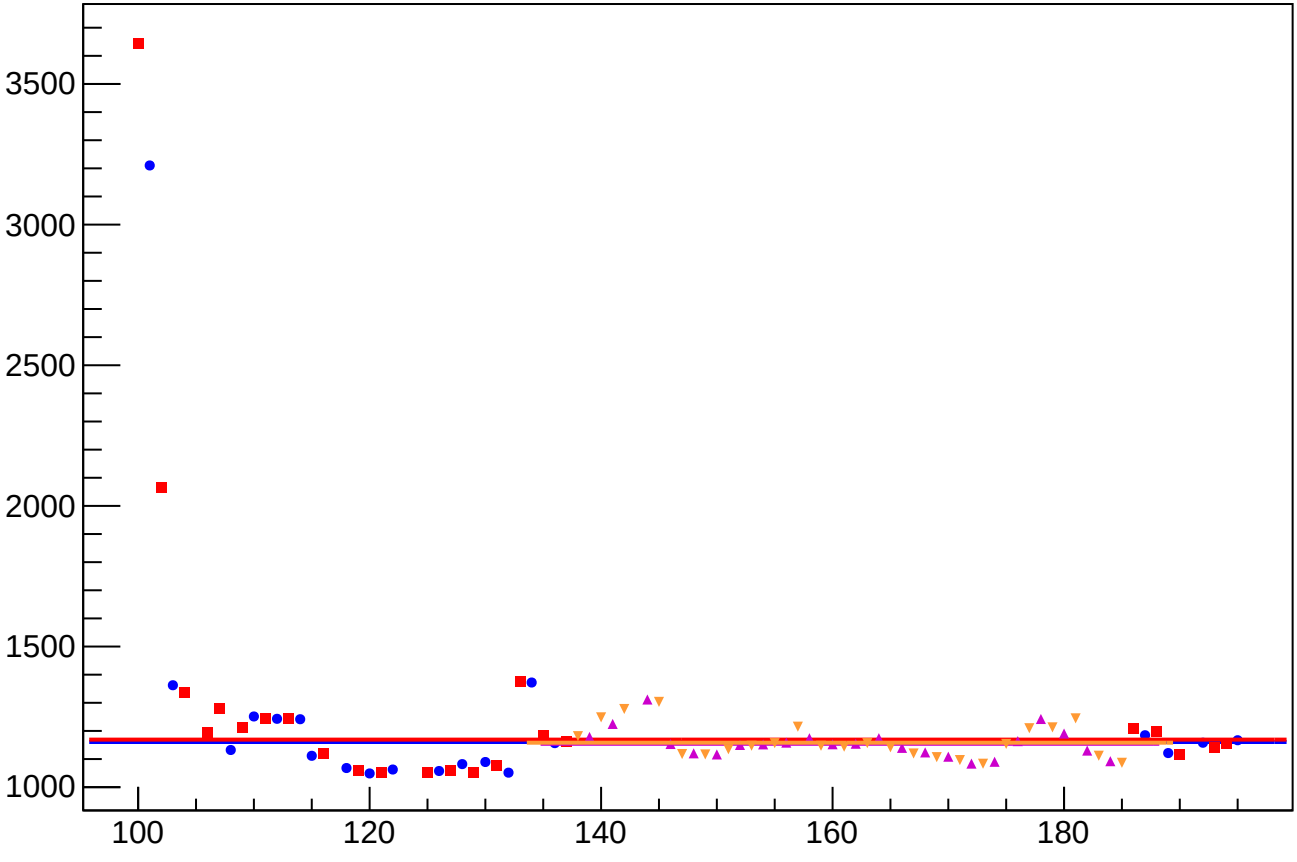
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 282.421+/-219.130 χ^2/NDF: 67.1/43

All: 272.558+/-154.188 χ^2/NDF: 114.5/89

- sign 262.886+/-216.996 χ^2/NDF: 47.5/45

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

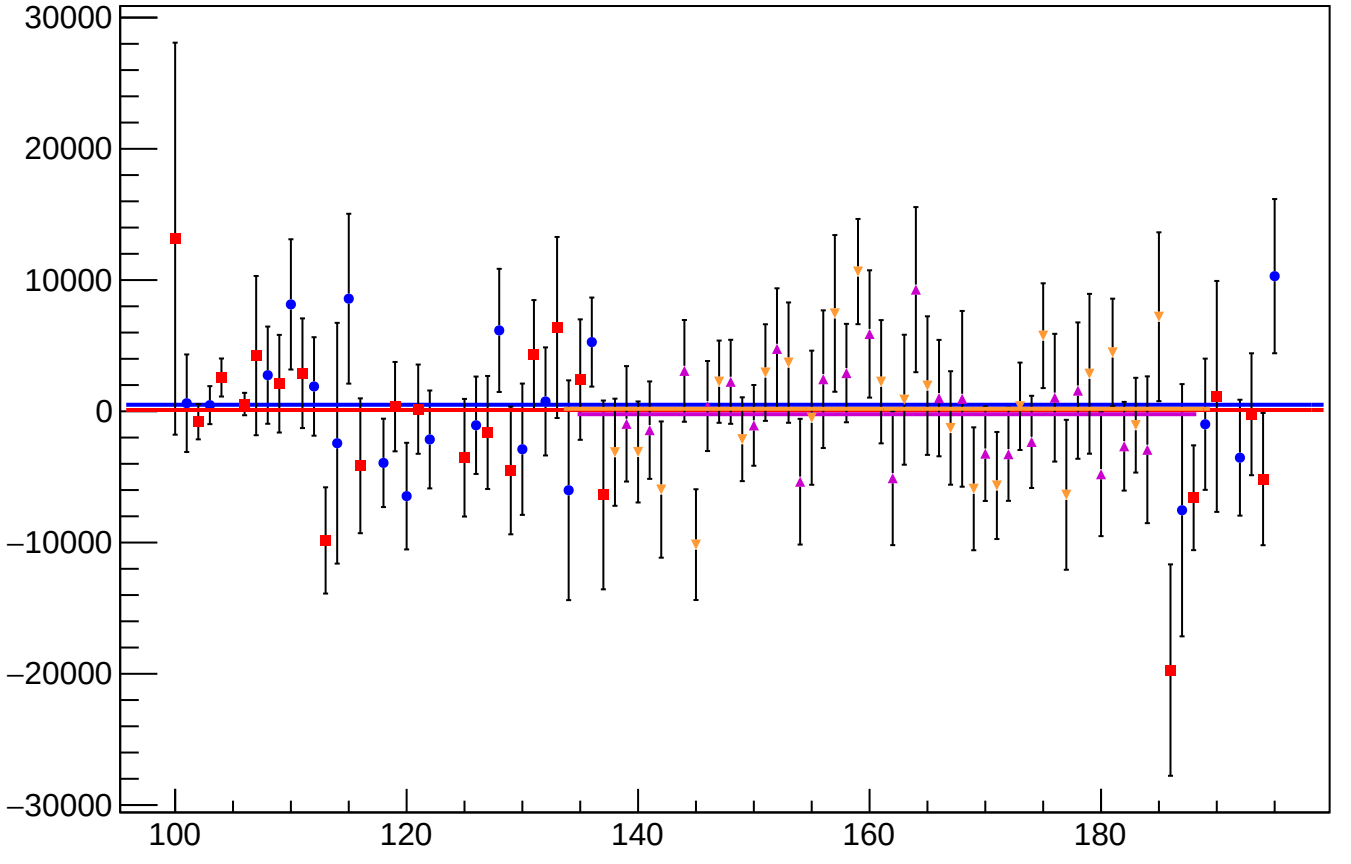
Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.5/22

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

\+ sign 1159.012+/-0.155 χ^2/NDF: 721090.8/43

All: 1159.254+/-0.109 χ^2/NDF: 1126135.5/89

\- sign 1159.491+/-0.153 χ^2/NDF: 405039.9/45



Right In: 499.484+/-833.388 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

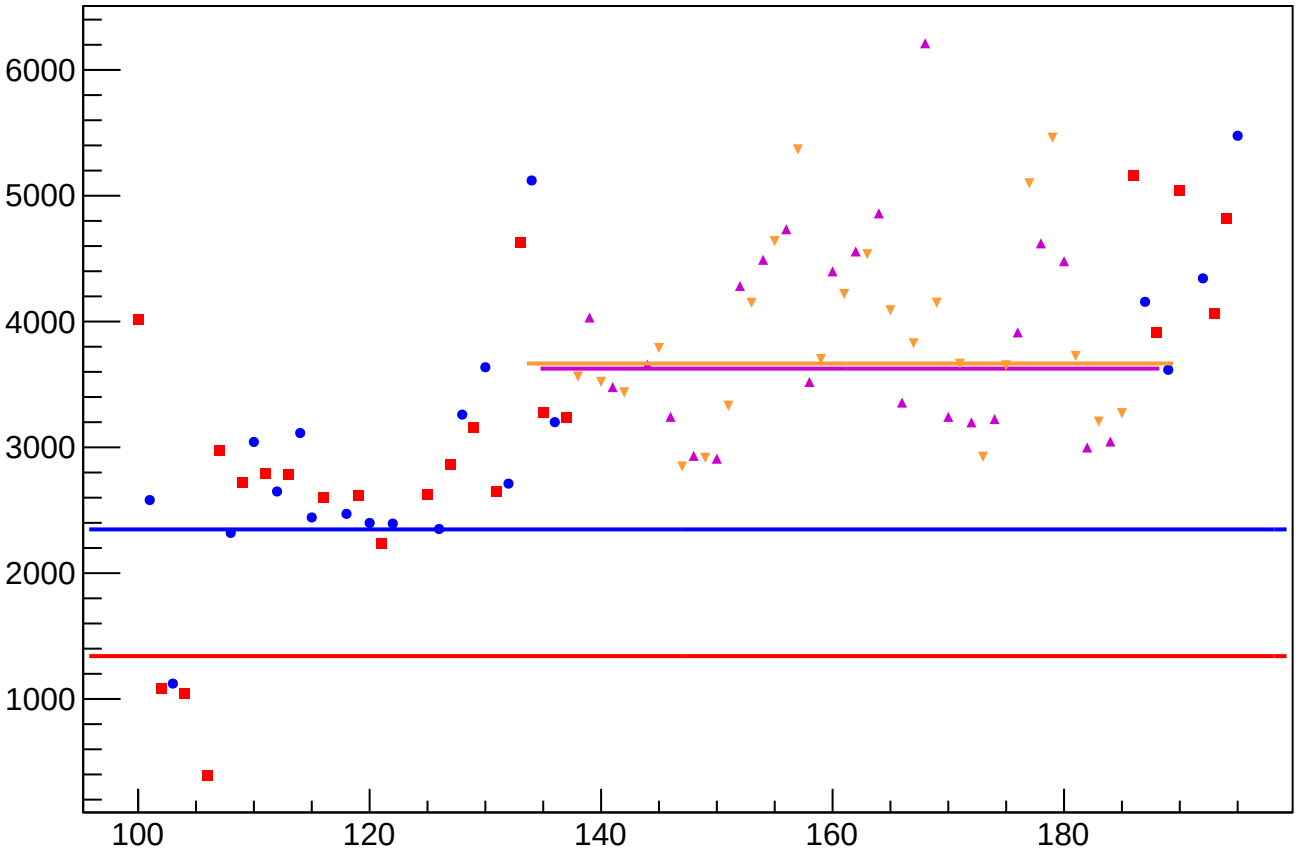
Right Out: 101.295+/-550.501 χ^2/NDF: 26.9/22

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 351.163+/-601.633 χ^2/NDF: 48.1/43

All: 136.278+/-367.615 χ^2/NDF: 88.8/89

- sign 8.248+/-464.390 χ^2/NDF: 40.4/45



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: 1340.698+/-0.389 χ^2/NDF: 9272698.0/22

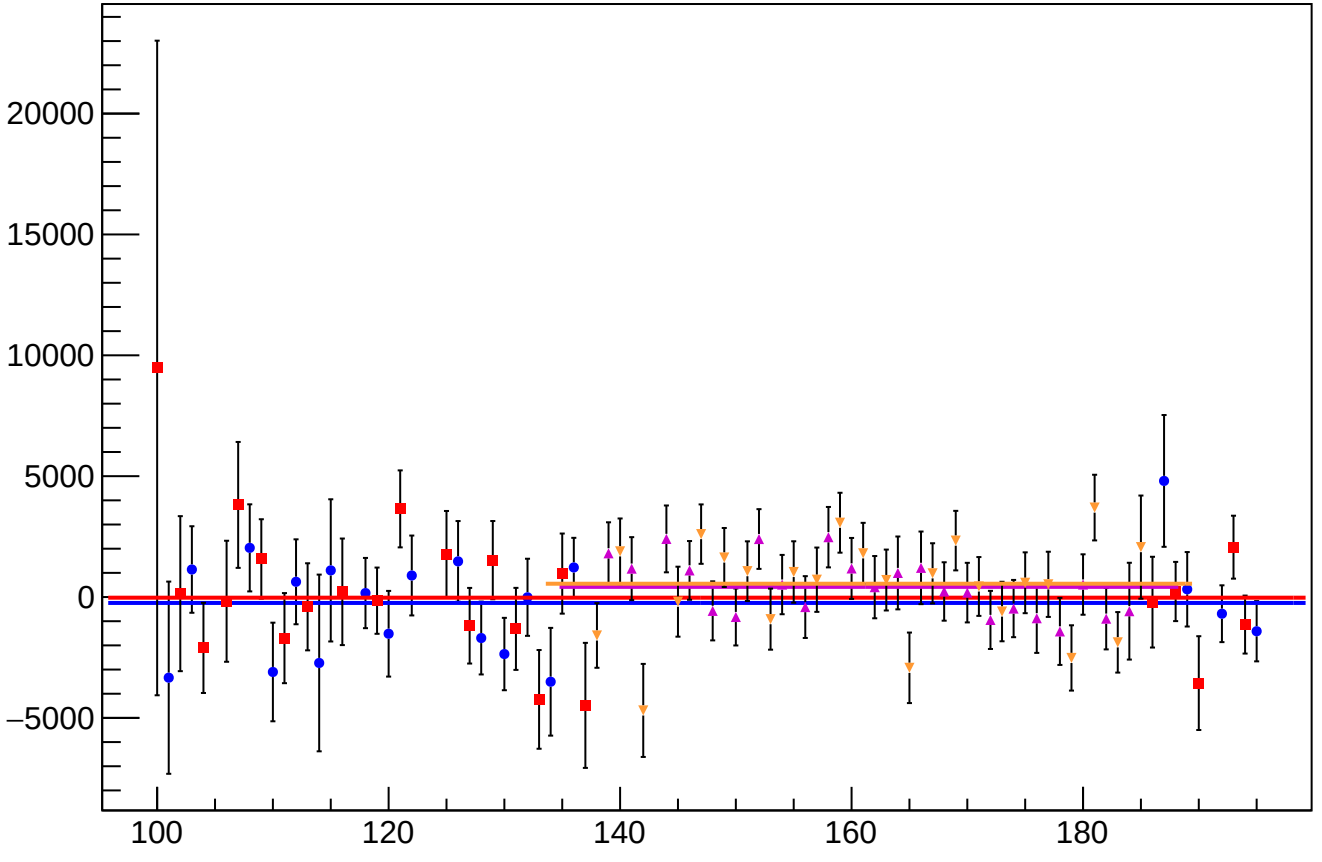
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2979.271+/-0.425 χ^2/NDF: 6749703.9/43

All: 2365.434+/-0.260 χ^2/NDF: 30541625.0/8

- sign 1999.708+/-0.328 χ^2/NDF: 20469522.2/45

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: -26.707+/-365.128 χ^2/NDF: 28.5/22

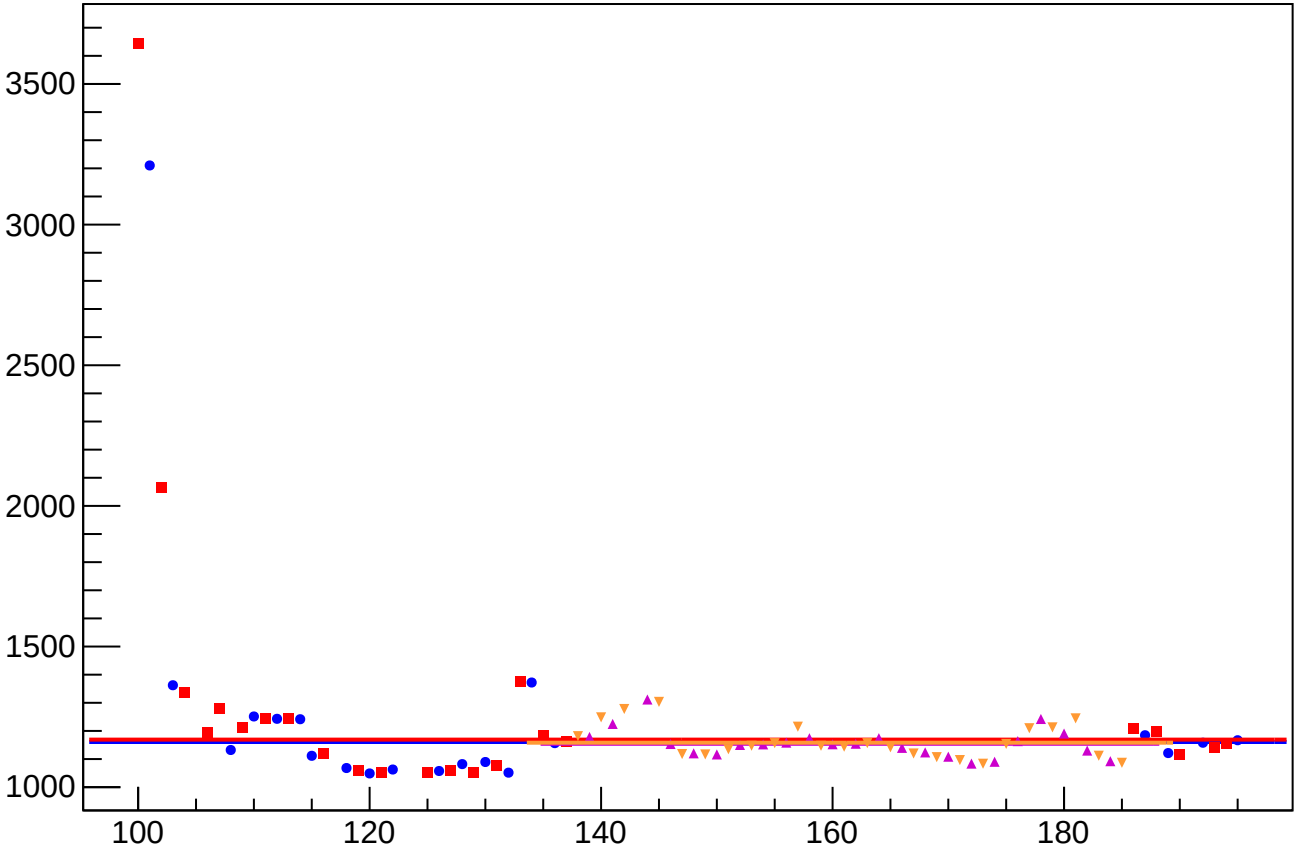
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 282.422+/-219.130 χ^2/NDF: 67.1/43

All: 272.558+/-154.189 χ^2/NDF: 114.5/89

- sign 262.886+/-216.997 χ^2/NDF: 47.5/45

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

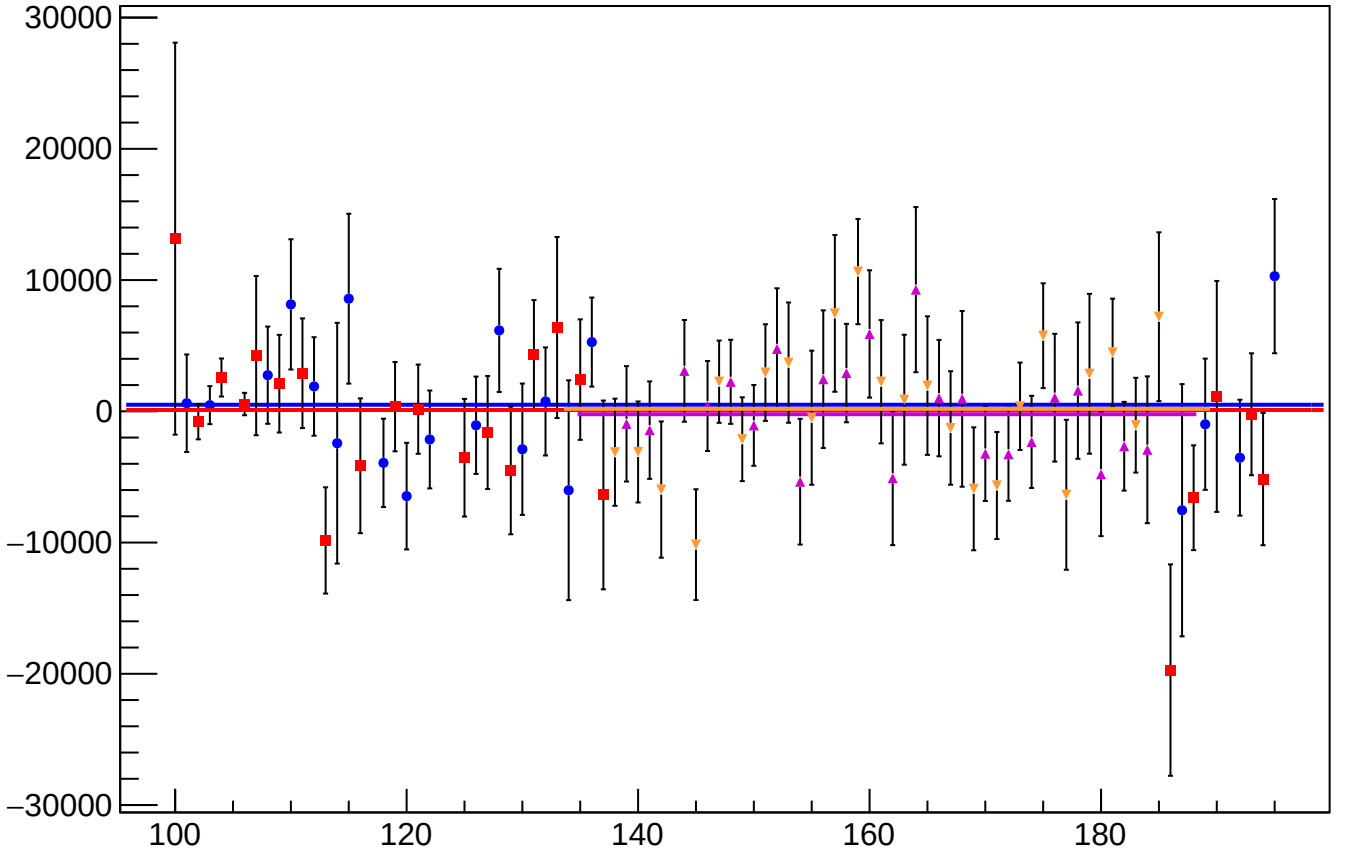
Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.1/22

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.013+/-0.155 χ^2/NDF: 721093.5/43

All: 1159.255+/-0.109 χ^2/NDF: 1126140.0/89

- sign 1159.492+/-0.153 χ^2/NDF: 405041.7/45



Right In: 499.478+/-833.387 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

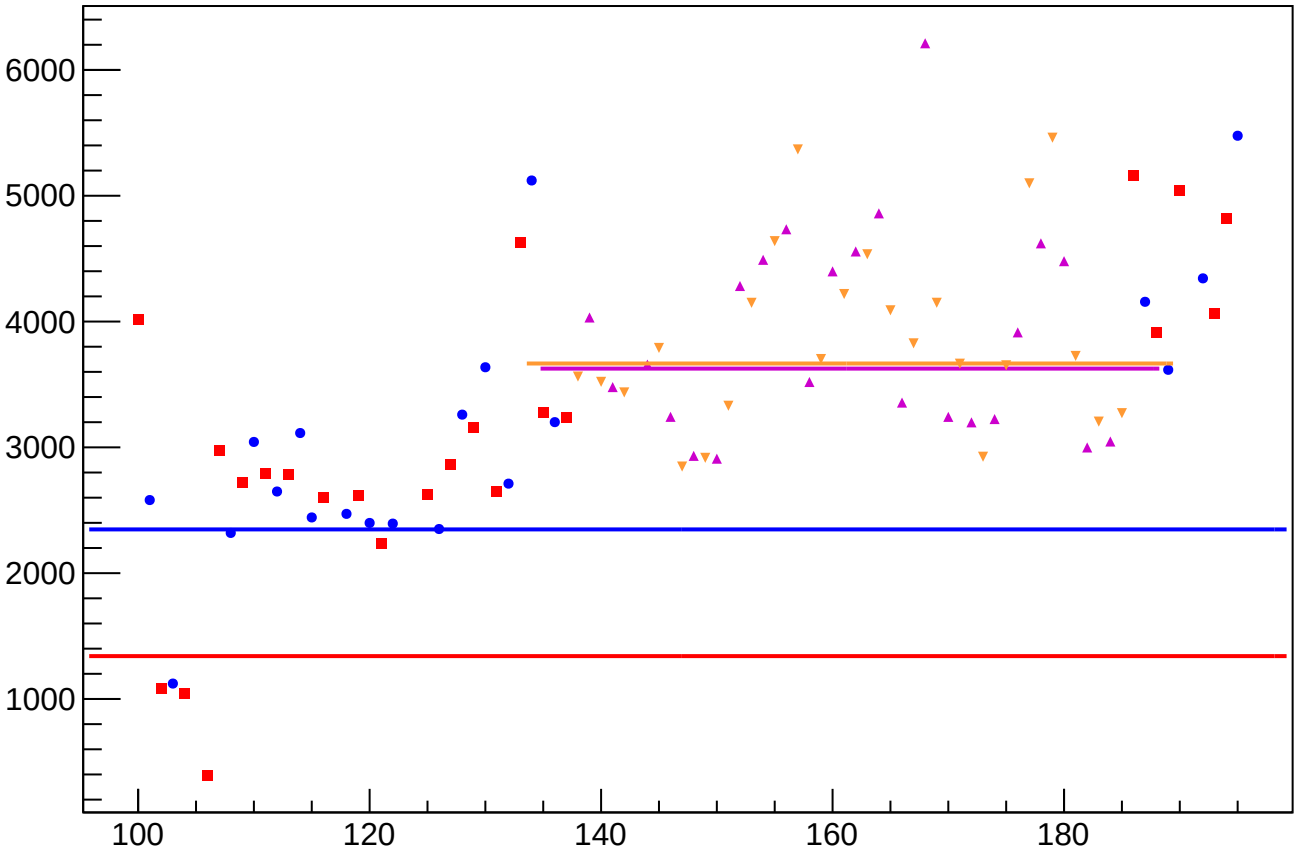
Right Out: 101.303+/-550.494 χ^2/NDF: 26.9/22

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 351.160+/-601.633 χ^2/NDF: 48.1/43

All: 136.280+/-367.613 χ^2/NDF: 88.8/89

- sign 8.255+/-464.387 χ^2/NDF: 40.4/45



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: 1340.673+/-0.389 χ^2/NDF: 9272882.0/22

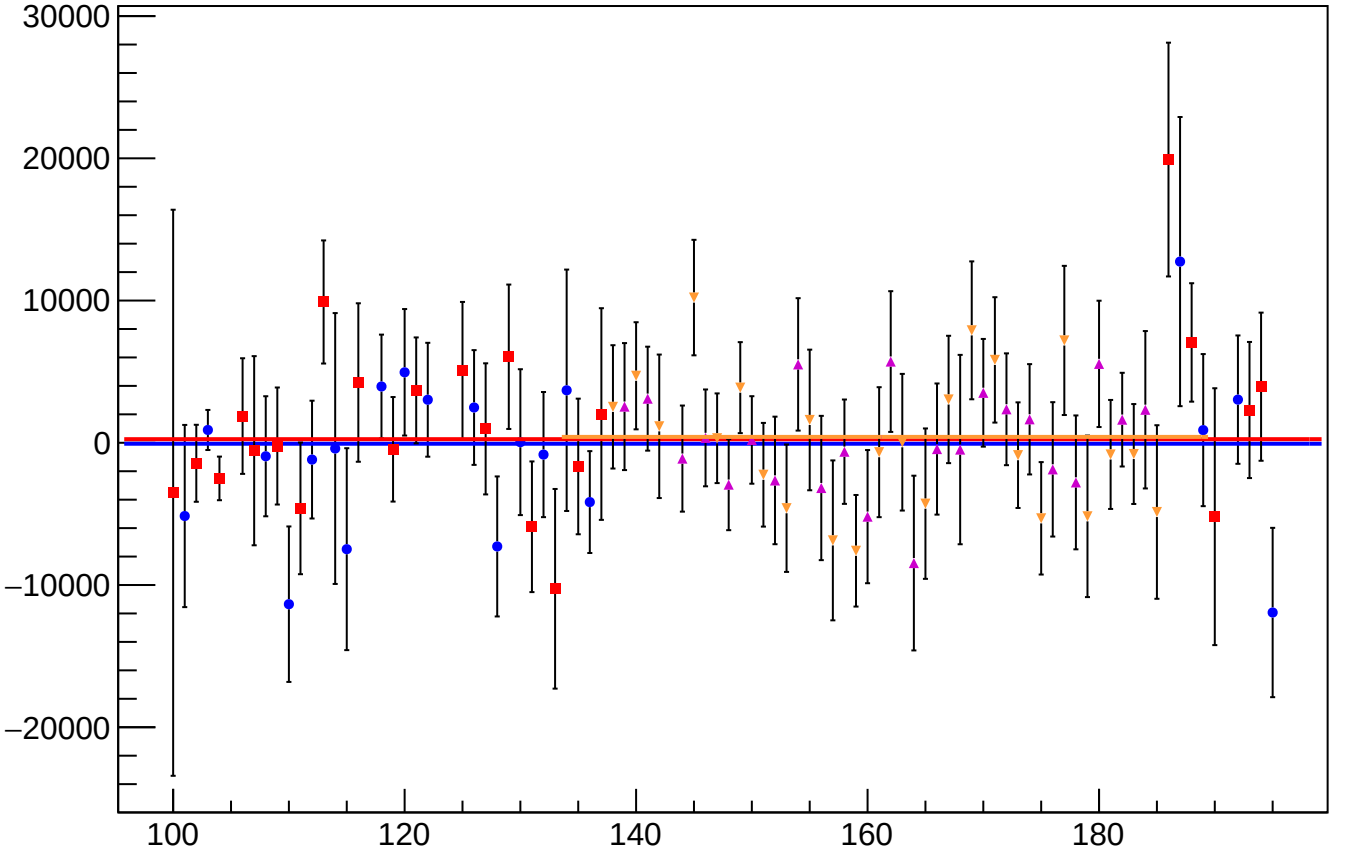
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2979.270+/-0.425 χ^2/NDF: 6749742.7/43

All: 2365.412+/-0.260 χ^2/NDF: 30542372.6/8

- sign 1999.679+/-0.328 χ^2/NDF: 20470022.9/45

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

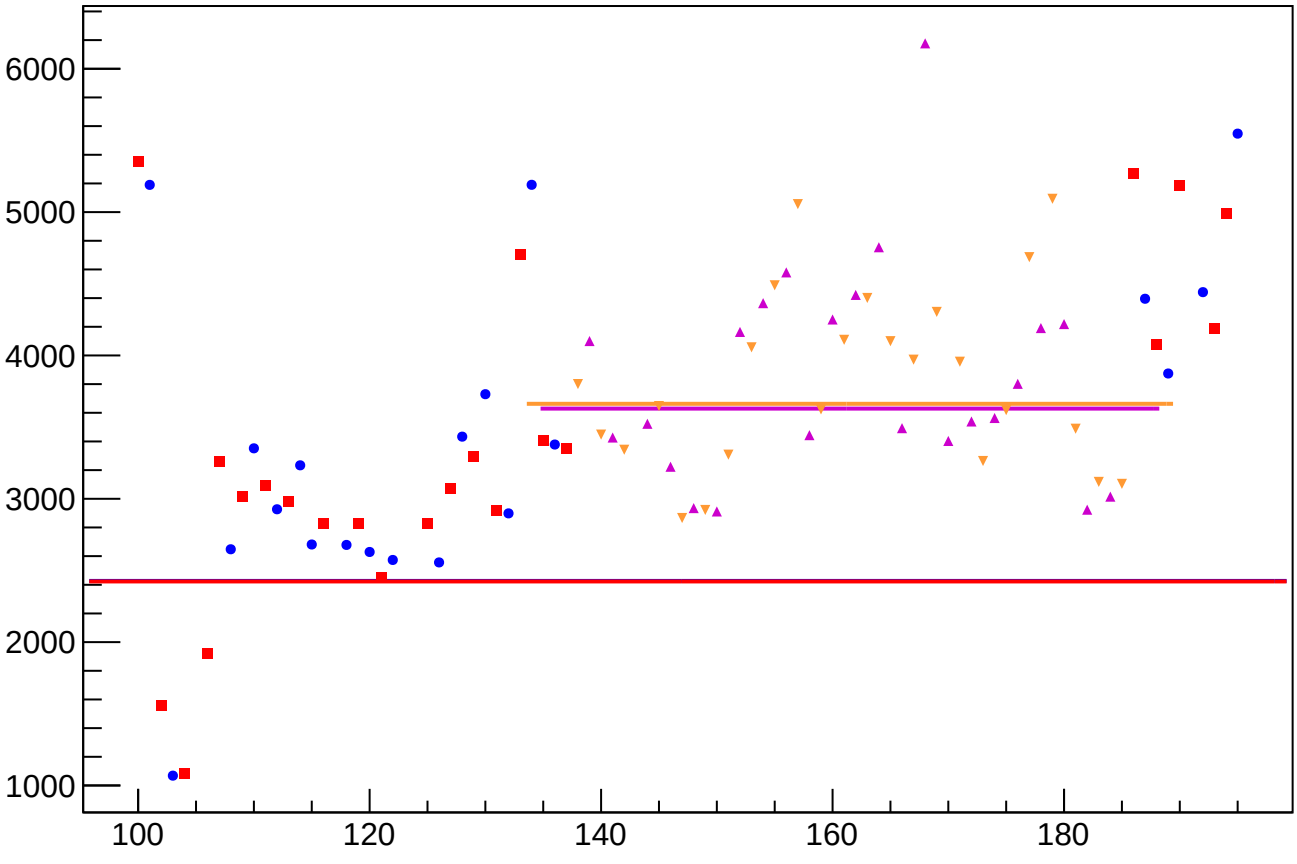
Right Out: 253.774+/-842.488 χ^2/NDF: 27.4/22

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 176.709+/-615.801 χ^2/NDF: 47.1/43

All: 253.427+/-430.715 χ^2/NDF: 86.8/89

\- sign 326.906+/-602.658 χ^2/NDF: 39.7/45



Right In: 2426.959+/-0.620 χ^2/NDF: 4118444.0/19

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

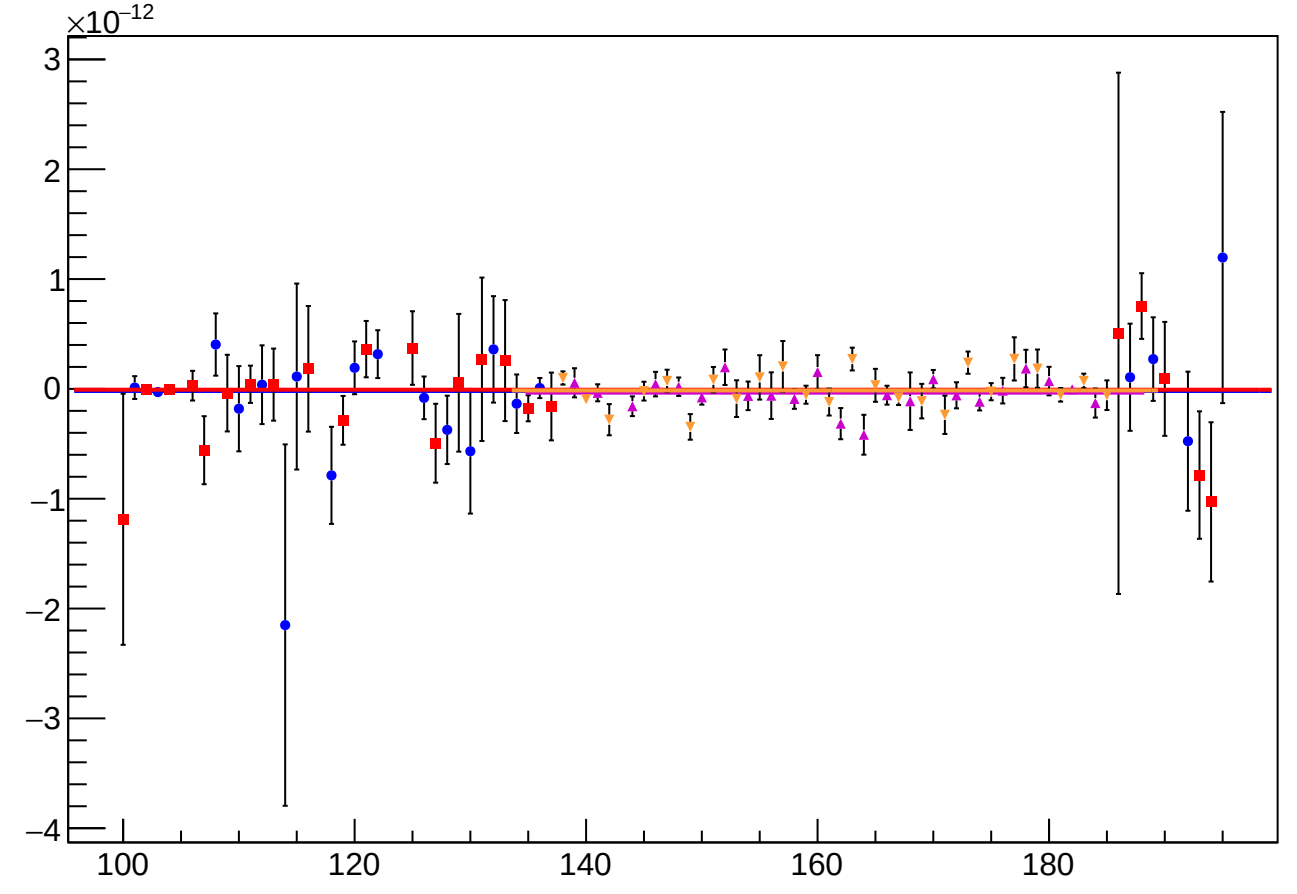
Right Out: 2423.418+/-0.594 χ^2/NDF: 3956870.3/22

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3052.749+/-0.435 χ^2/NDF: 7024927.0/43

All: 3031.360+/-0.304 χ^2/NDF: 14045993.7/8

- sign 3010.919+/-0.426 χ^2/NDF: 7016348.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

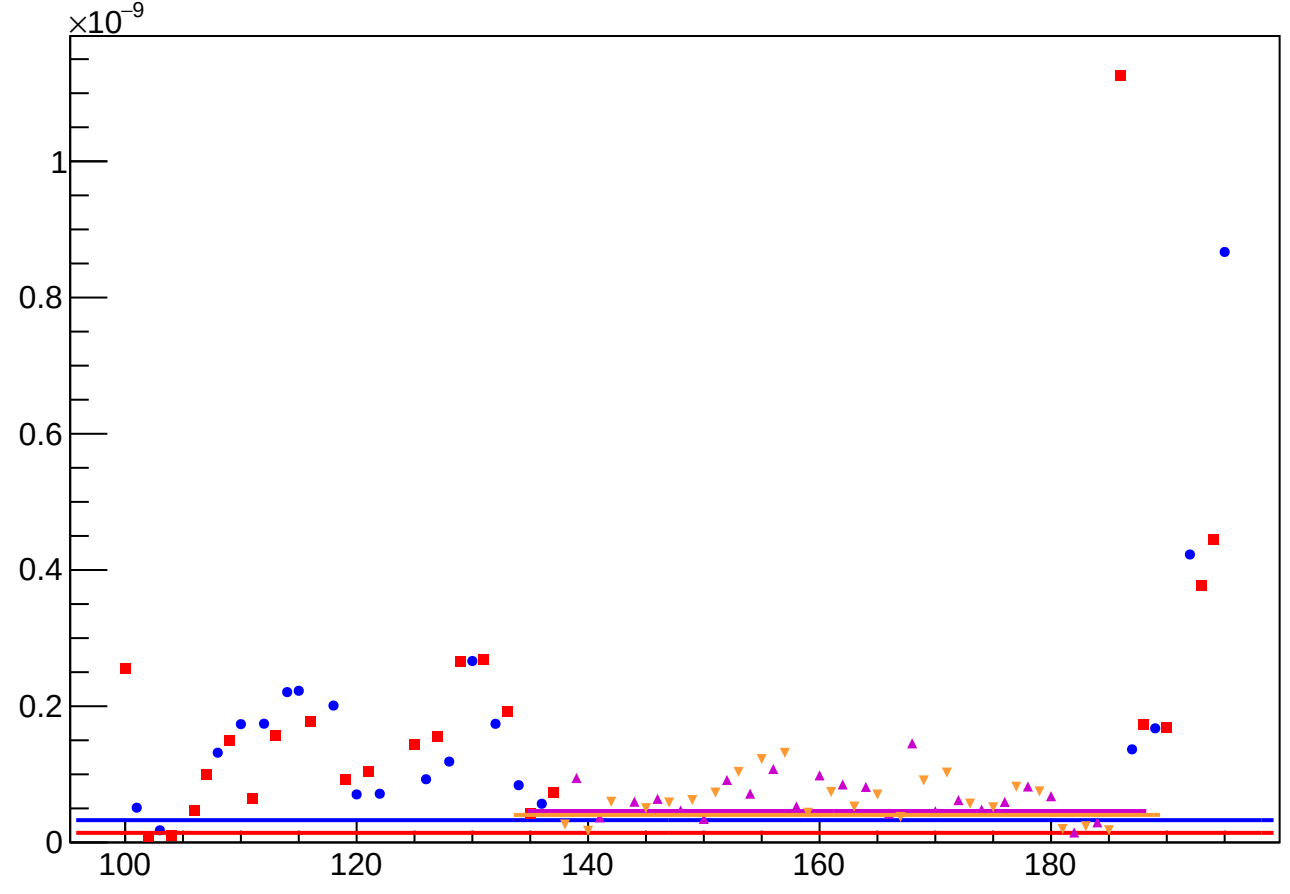
Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/22

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/43

All: -0.000+/-0.000 χ^2/NDF: 109.4/89

- sign -0.000+/-0.000 χ^2/NDF: 48.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 4901360.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

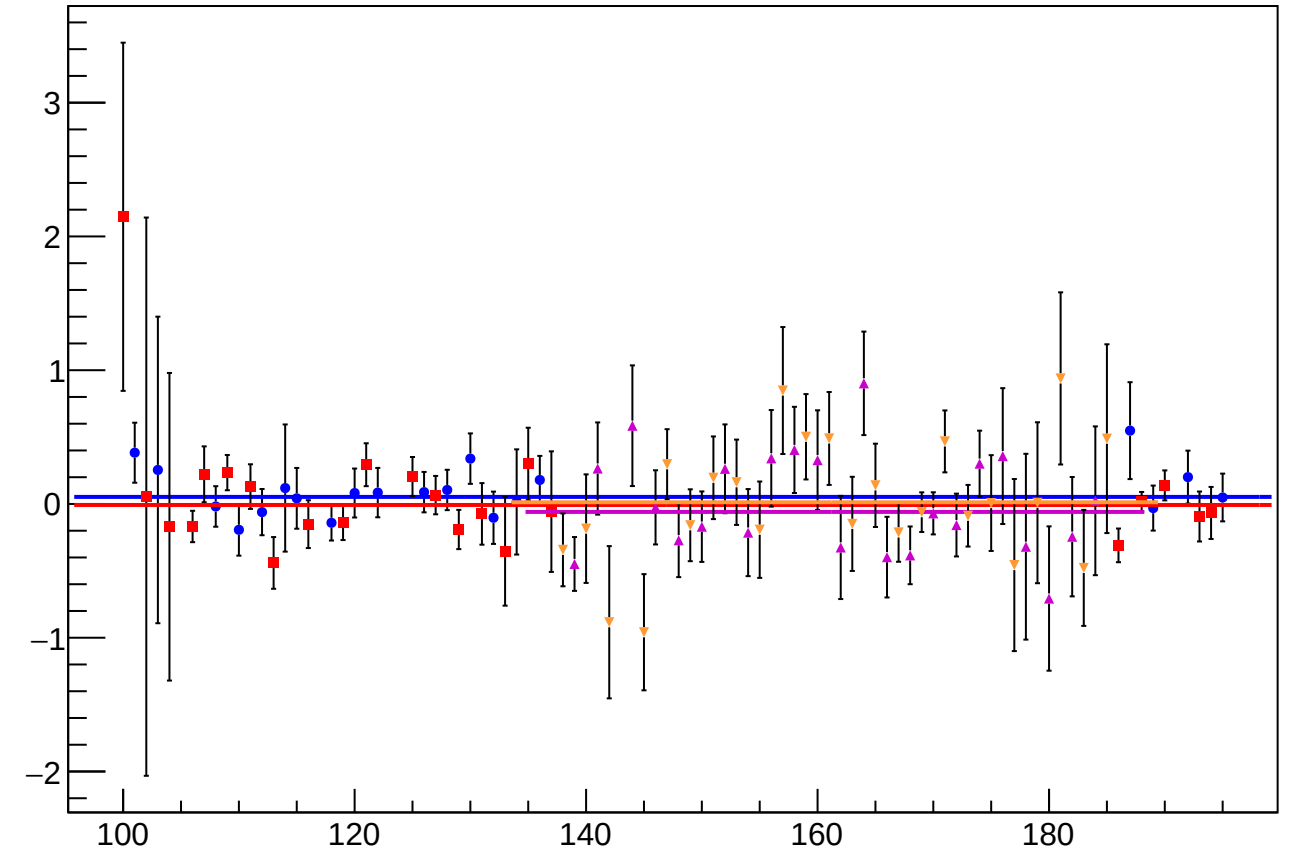
Right Out: 0.000+/-0.000 χ^2/NDF: 6334378.4/22

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: 21857212.0/89

- sign 0.000+/-0.000 χ^2/NDF: 12573012.4/45



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

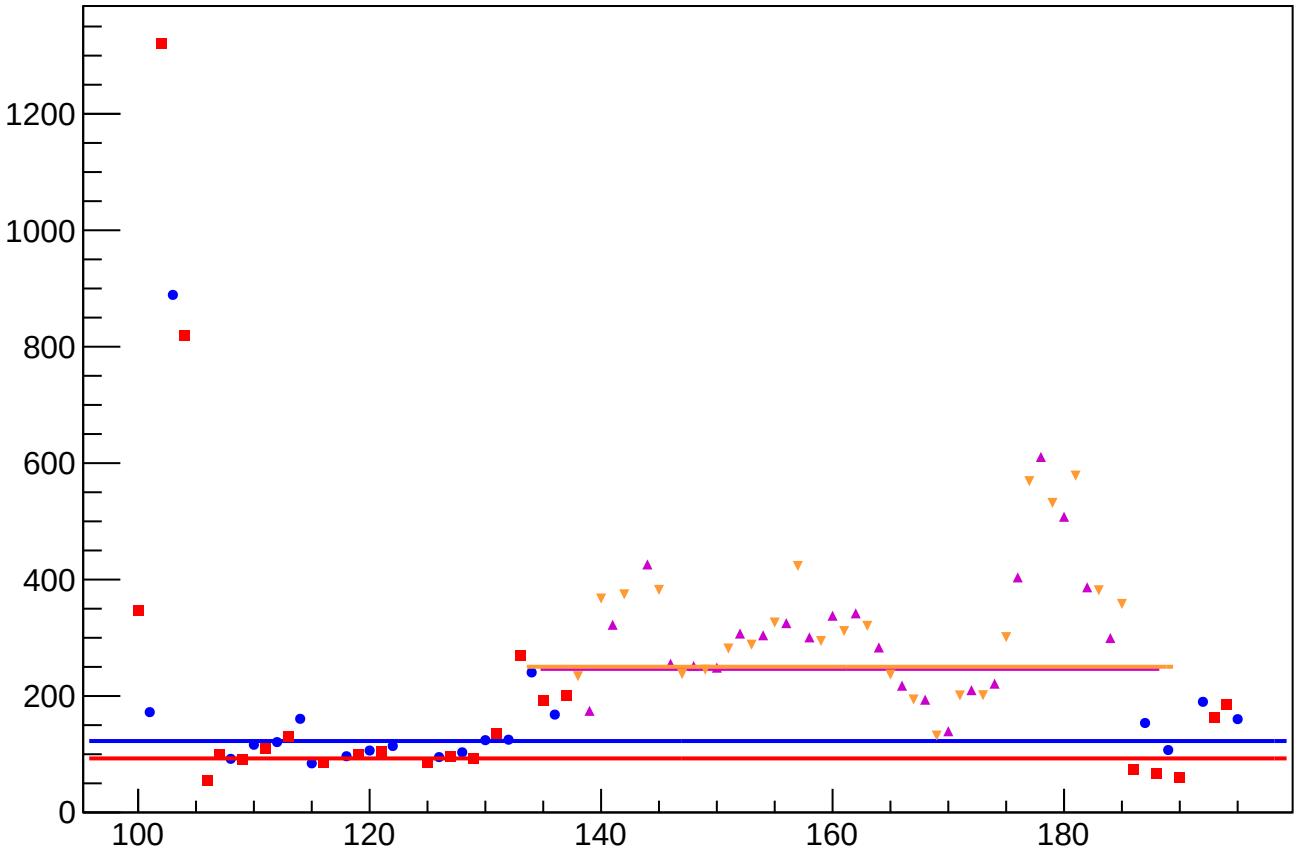
Right Out: -0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.035 χ^2/NDF: 42.6/43

All: 0.005+/-0.023 χ^2/NDF: 106.7/89

- sign -0.019+/-0.029 χ^2/NDF: 62.5/45



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

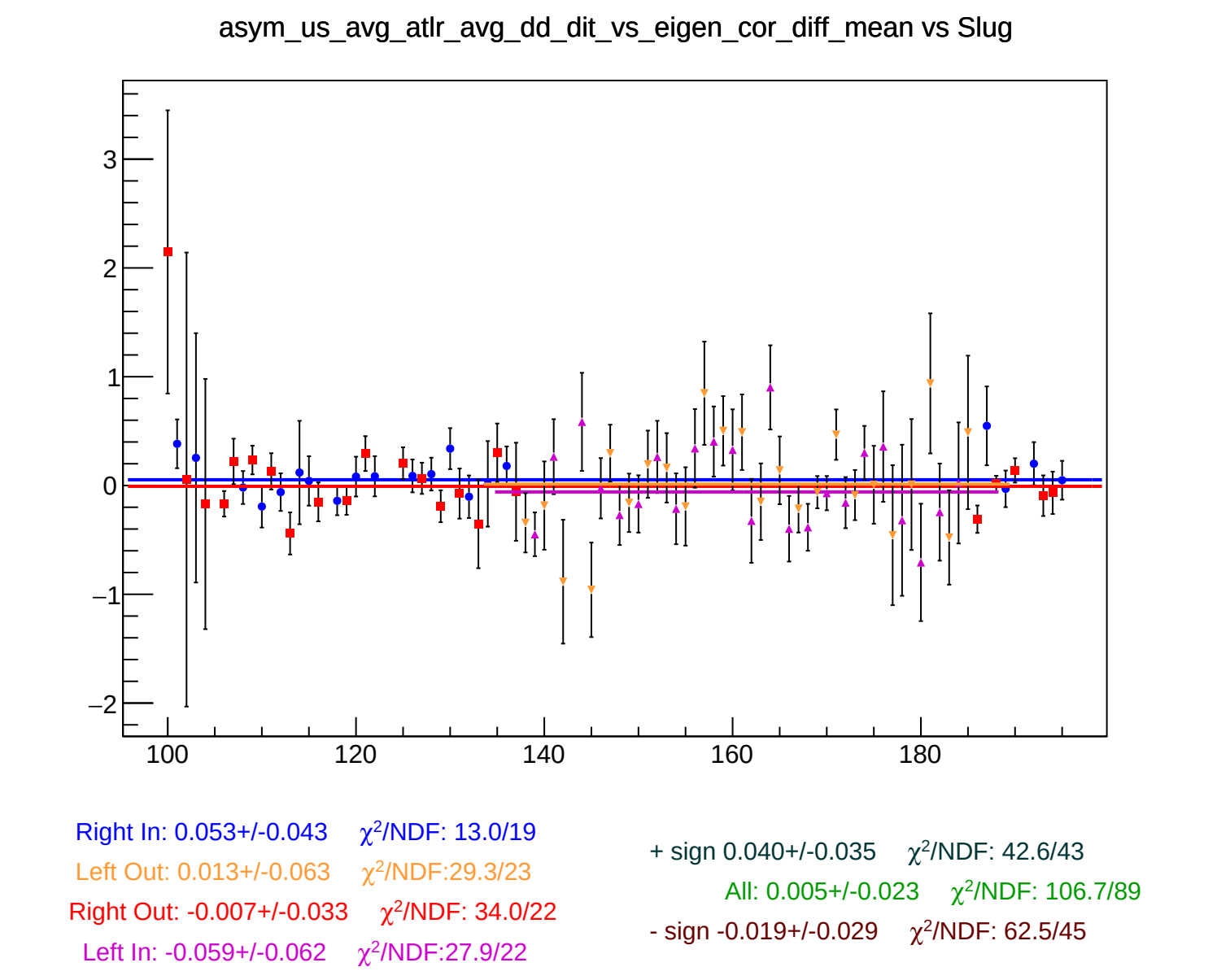
Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

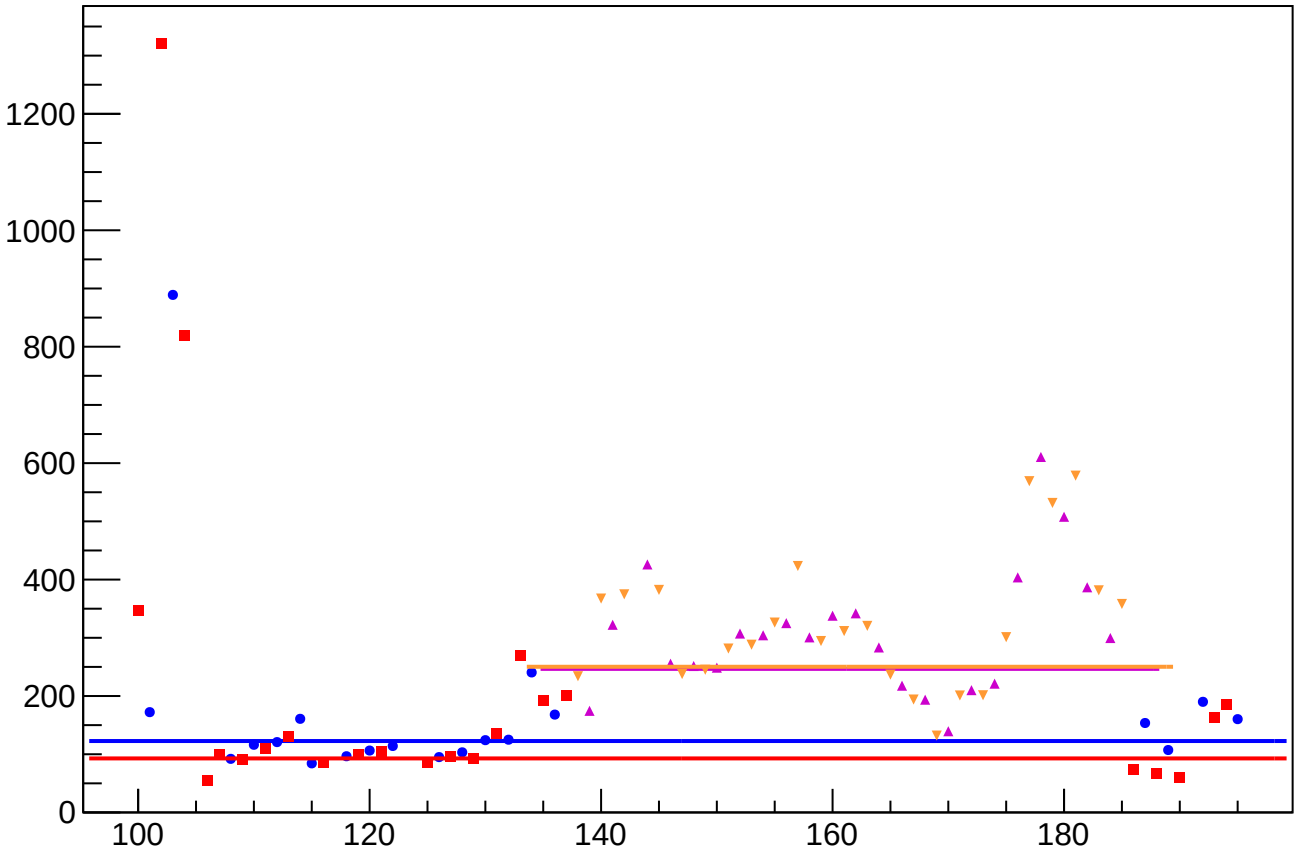
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.068+/-0.025 χ^2/NDF: 11958978.0/43

All: 141.492+/-0.016 χ^2/NDF: 30488278.8/89

- sign 126.873+/-0.021 χ^2/NDF: 17286592.5/45


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
Right In: 0.053+/-0.043 χ²/NDF: 13.0/19
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.005+/-0.023 χ²/NDF: 106.7/89
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

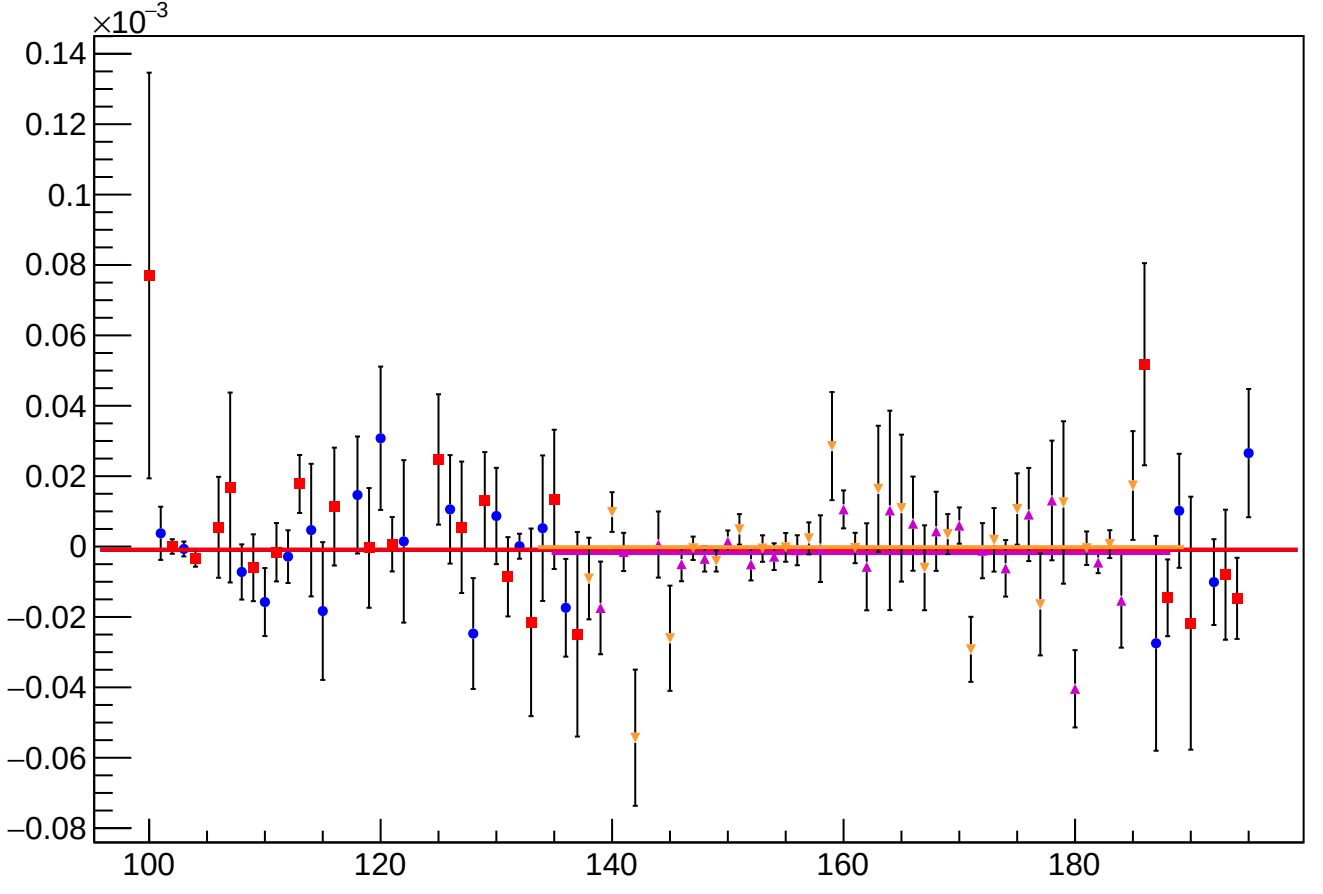
Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.068+/-0.025 χ^2/NDF: 11958978.0/43

All: 141.492+/-0.016 χ^2/NDF: 30488278.8/89

- sign 126.873+/-0.021 χ^2/NDF: 17286592.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

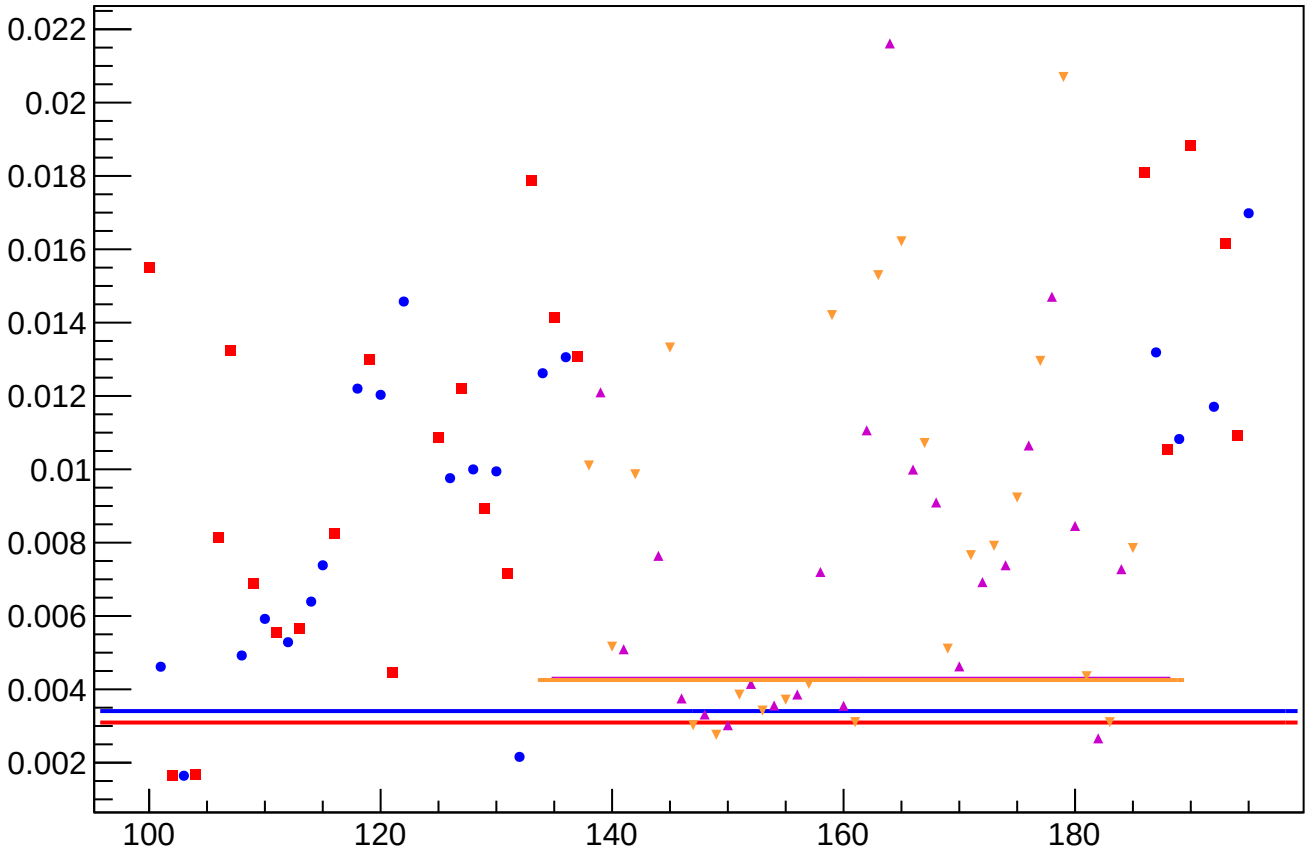
Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/22

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: 105.0/89

- sign -0.000+/-0.000 χ^2/NDF: 50.5/45



Right In: 0.003+/-0.000 χ^2/NDF: 8719053.7/19

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

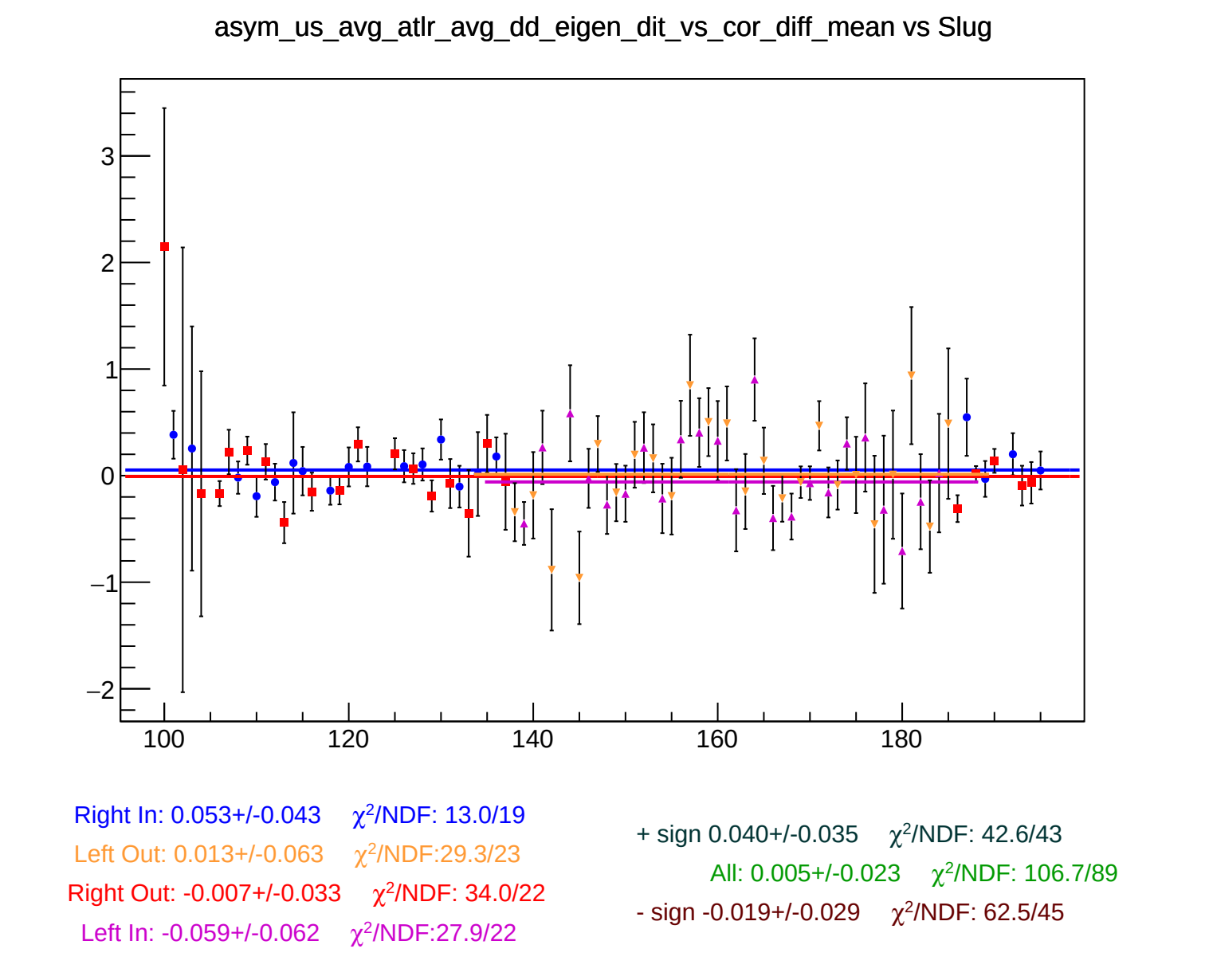
Right Out: 0.003+/-0.000 χ^2/NDF: 10633605.1/22

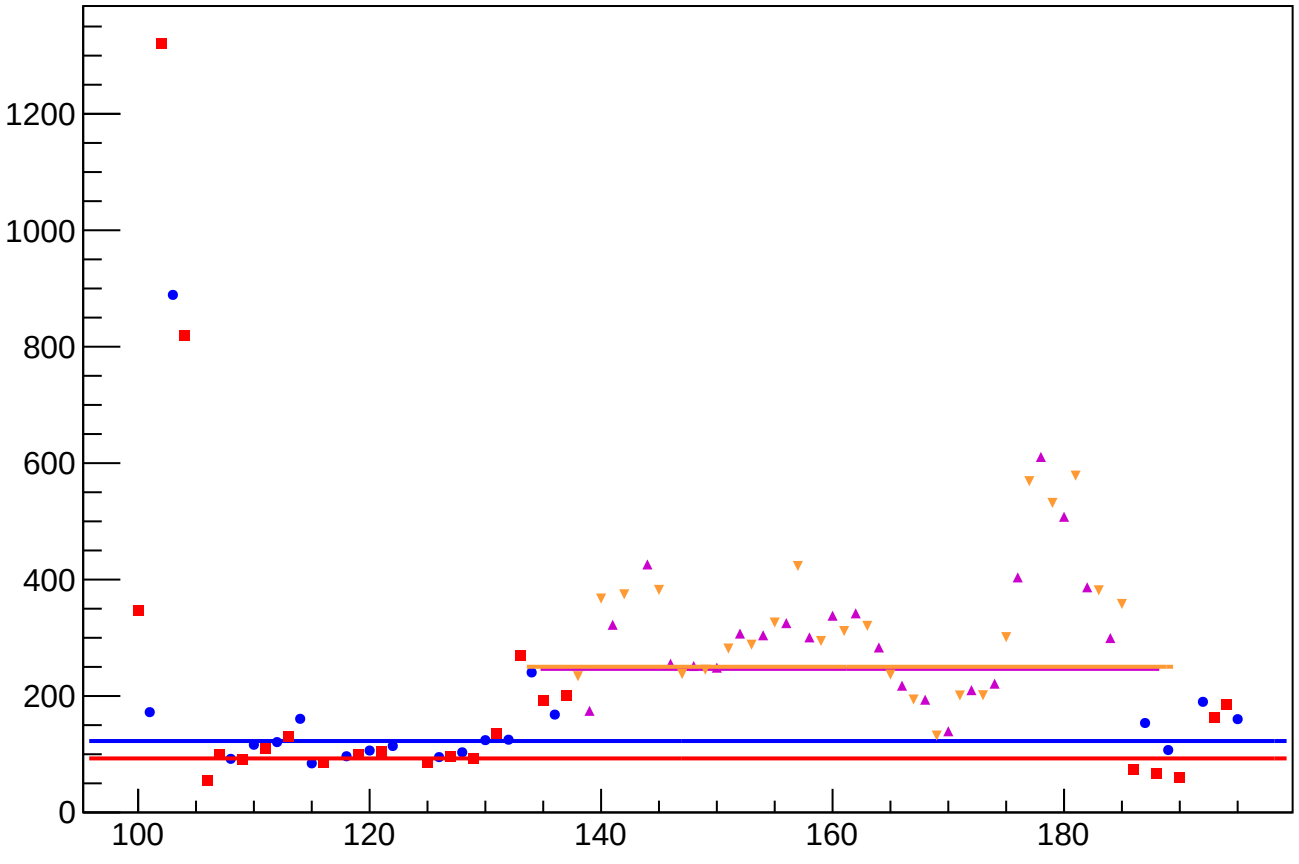
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 17591307.0/43

All: 0.004+/-0.000 χ^2/NDF: 35727686.7/89

- sign 0.004+/-0.000 χ^2/NDF: 18101263.8/45


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.053+/-0.043 χ²/NDF: 13.0/19
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.035 χ²/NDF: 42.6/43
All: 0.005+/-0.023 χ²/NDF: 106.7/89
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



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: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

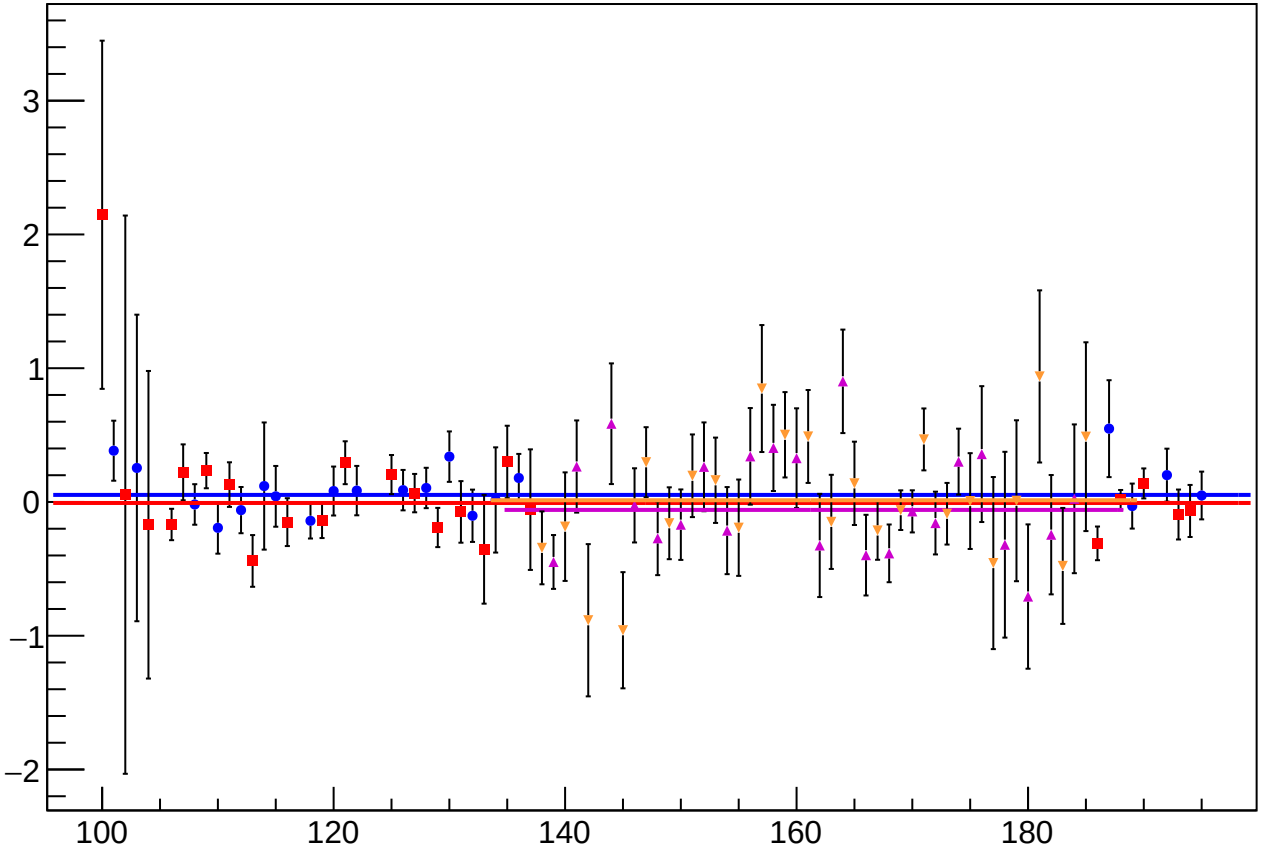
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.067+/-0.025 χ^2/NDF: 11959228.4/43

All: 141.487+/-0.016 χ^2/NDF: 30490090.2/89

- sign 126.868+/-0.021 χ^2/NDF: 17287814.1/45

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

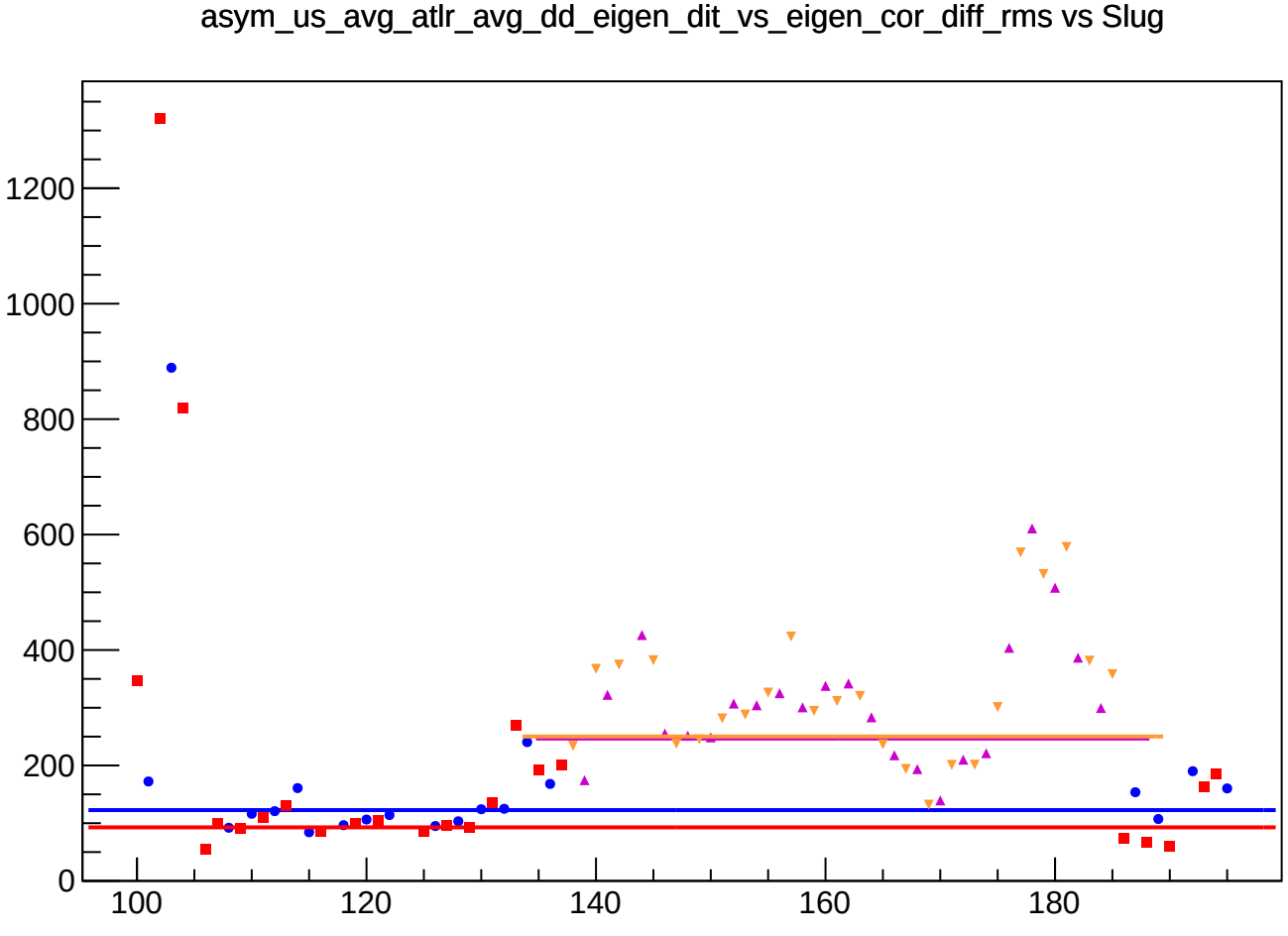
Right Out: -0.007+/-0.033 χ^2/NDF: 34.0/22

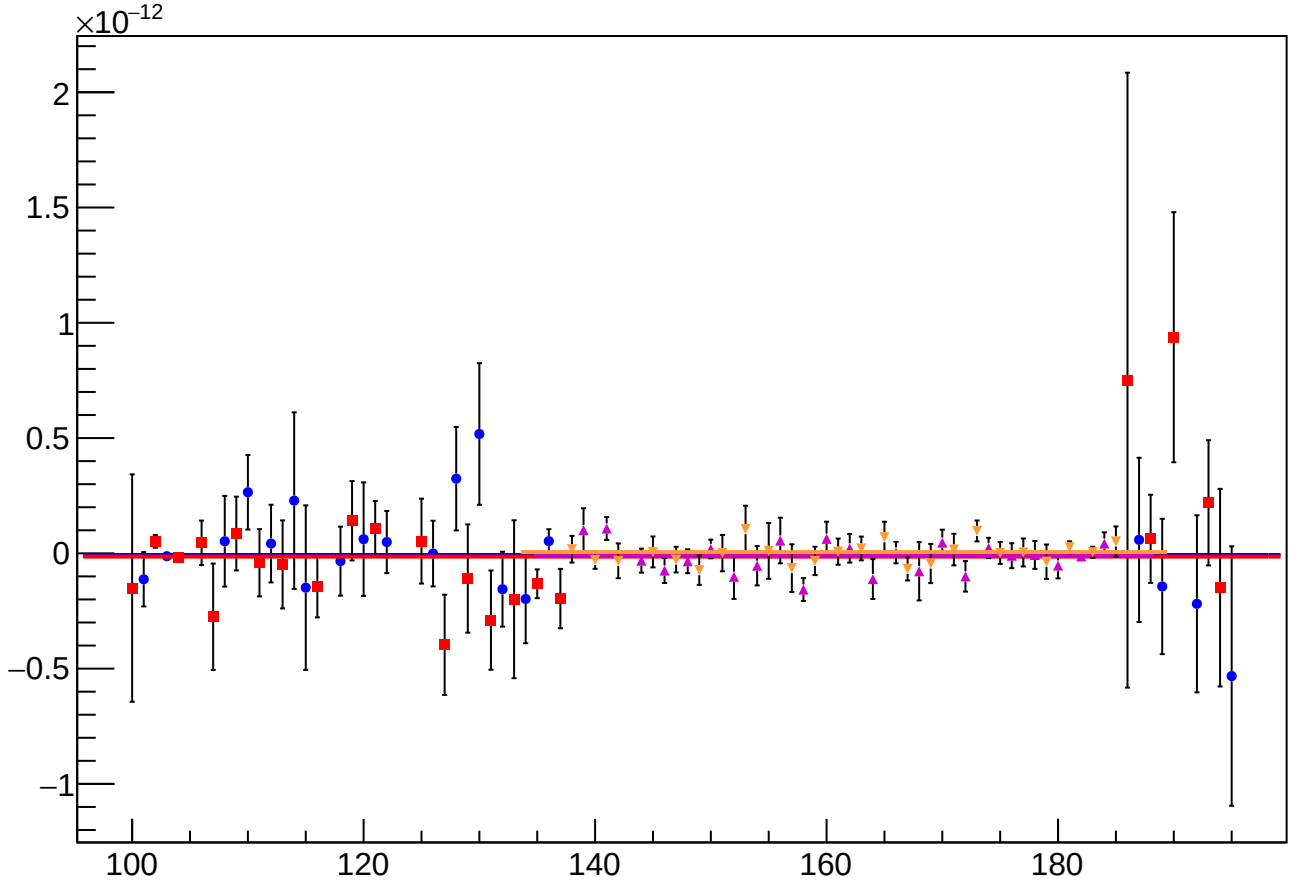
Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.035 χ^2/NDF: 42.6/43

All: 0.005+/-0.023 χ^2/NDF: 106.7/89

- sign -0.019+/-0.029 χ^2/NDF: 62.5/45


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
120
140
160
180
Right In: 122.683+/-0.030 χ²/NDF: 2003369.9/19
Left Out: 250.248+/-0.045 χ²/NDF:4353323.9/23
Right Out: 92.806+/-0.023 χ²/NDF: 3932903.6/22
Left In: 246.632+/-0.044 χ²/NDF:3773144.3/22
+ sign 163.067+/-0.025 χ²/NDF: 11959228.4/43
All: 141.487+/-0.016 χ²/NDF: 30490090.2/89
- sign 126.868+/-0.021 χ²/NDF: 17287814.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

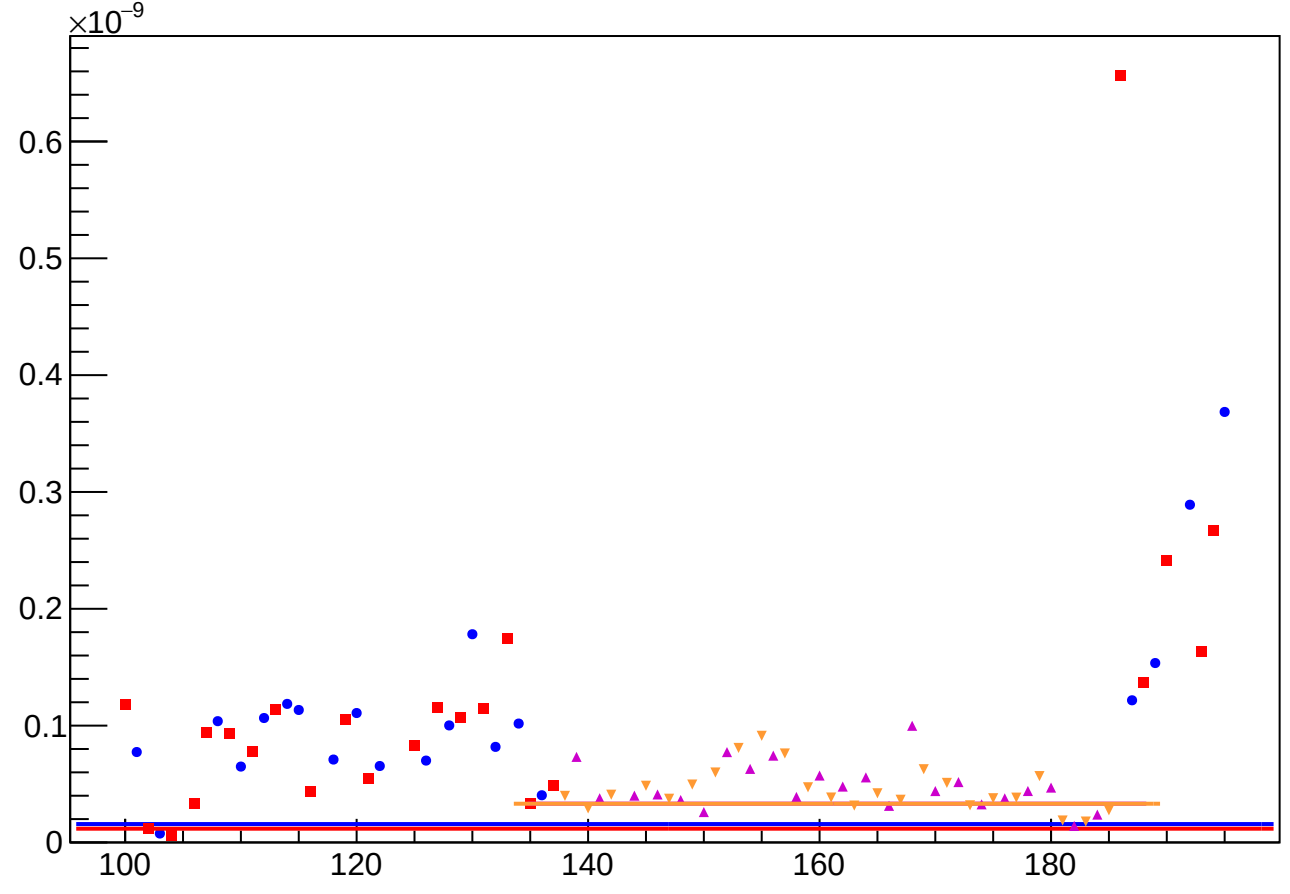
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/22

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: 84.5/89

- sign -0.000+/-0.000 χ^2/NDF: 54.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 8319703.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8892156.2/22

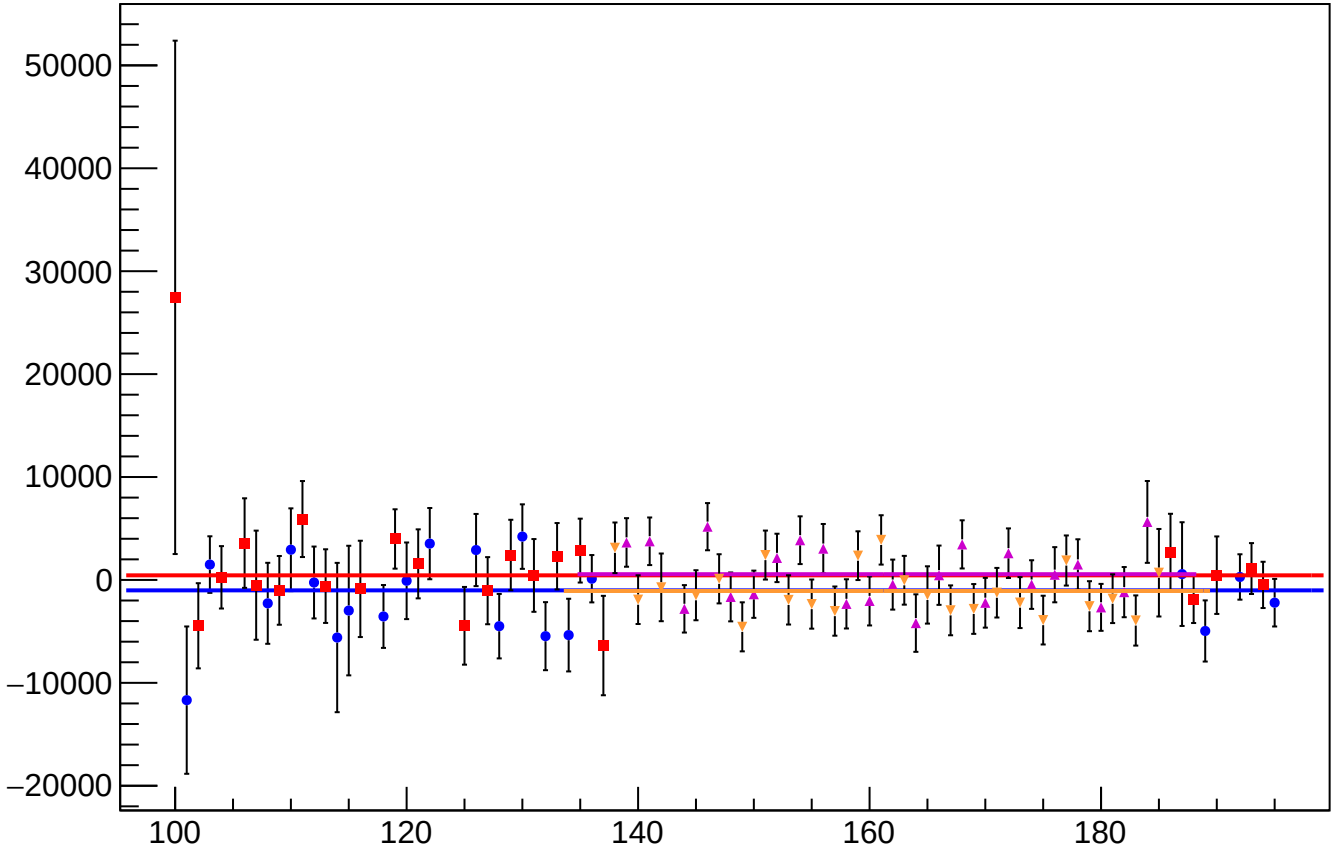
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14638995.2/43

All: 0.000+/-0.000 χ^2/NDF: 33282435.8/89

- sign 0.000+/-0.000 χ^2/NDF: 18354812.6/45

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: 446.753+/-704.861 χ^2/NDF: 14.0/22

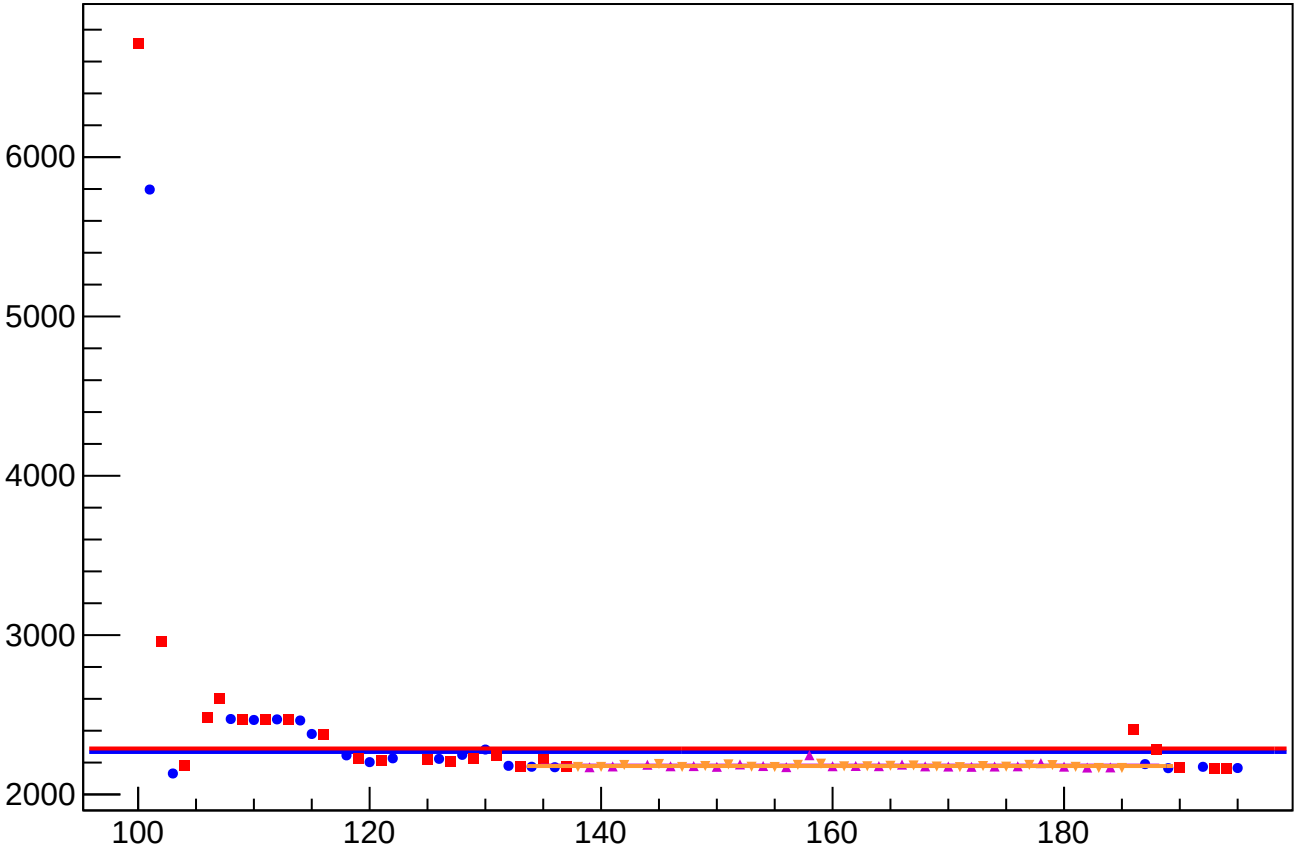
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.829+/-416.256 χ^2/NDF: 40.0/43

All: -260.678+/-293.095 χ^2/NDF: 89.9/89

- sign 519.228+/-412.765 χ^2/NDF: 42.7/45

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

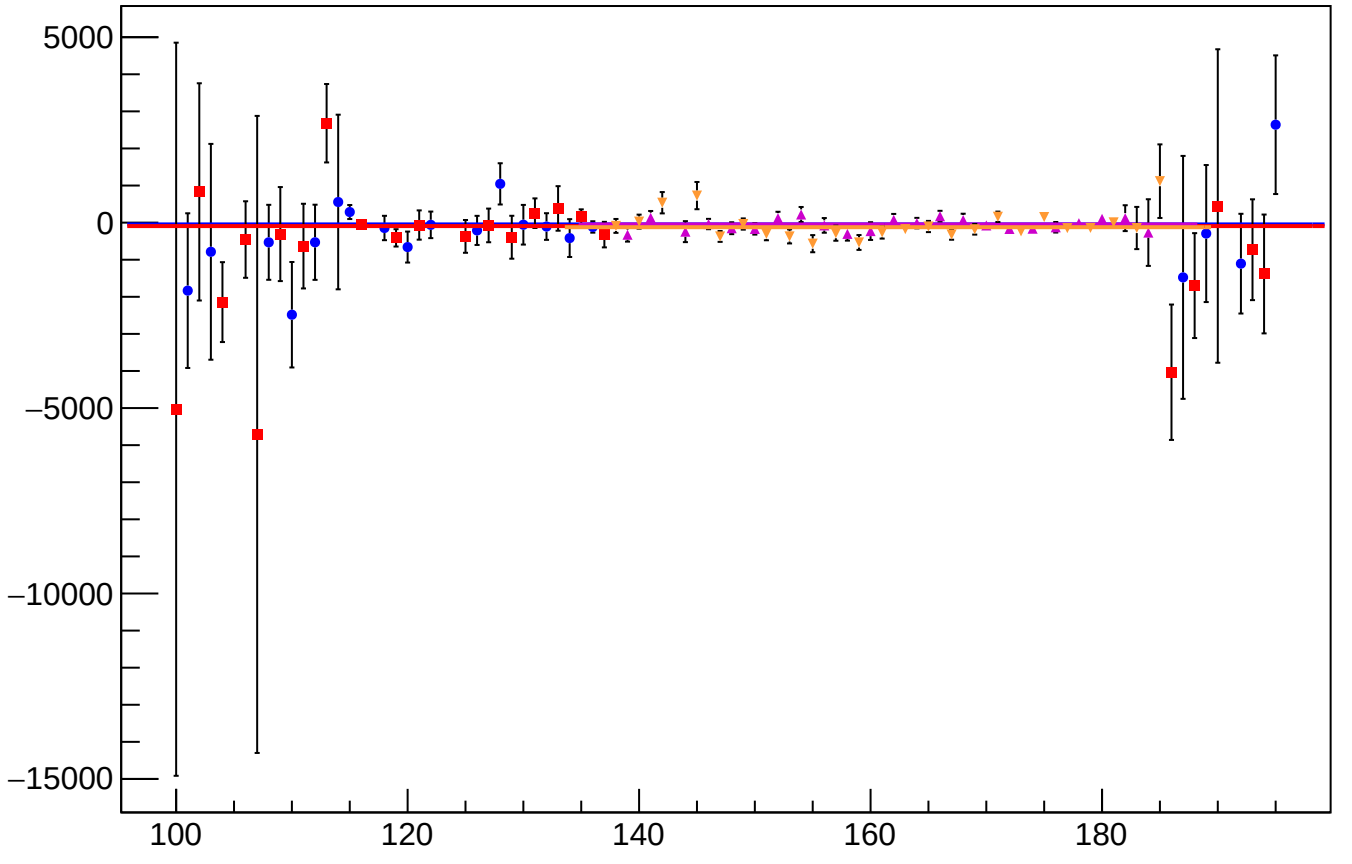
Right Out: 2288.341+/-0.498 χ^2/NDF: 170172.4/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.6/43

All: 2212.277+/-0.207 χ^2/NDF: 751880.0/89

- sign 2217.756+/-0.292 χ^2/NDF: 202561.4/45



Right In: -48.105+/-90.457 χ^2/NDF: 17.3/19

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

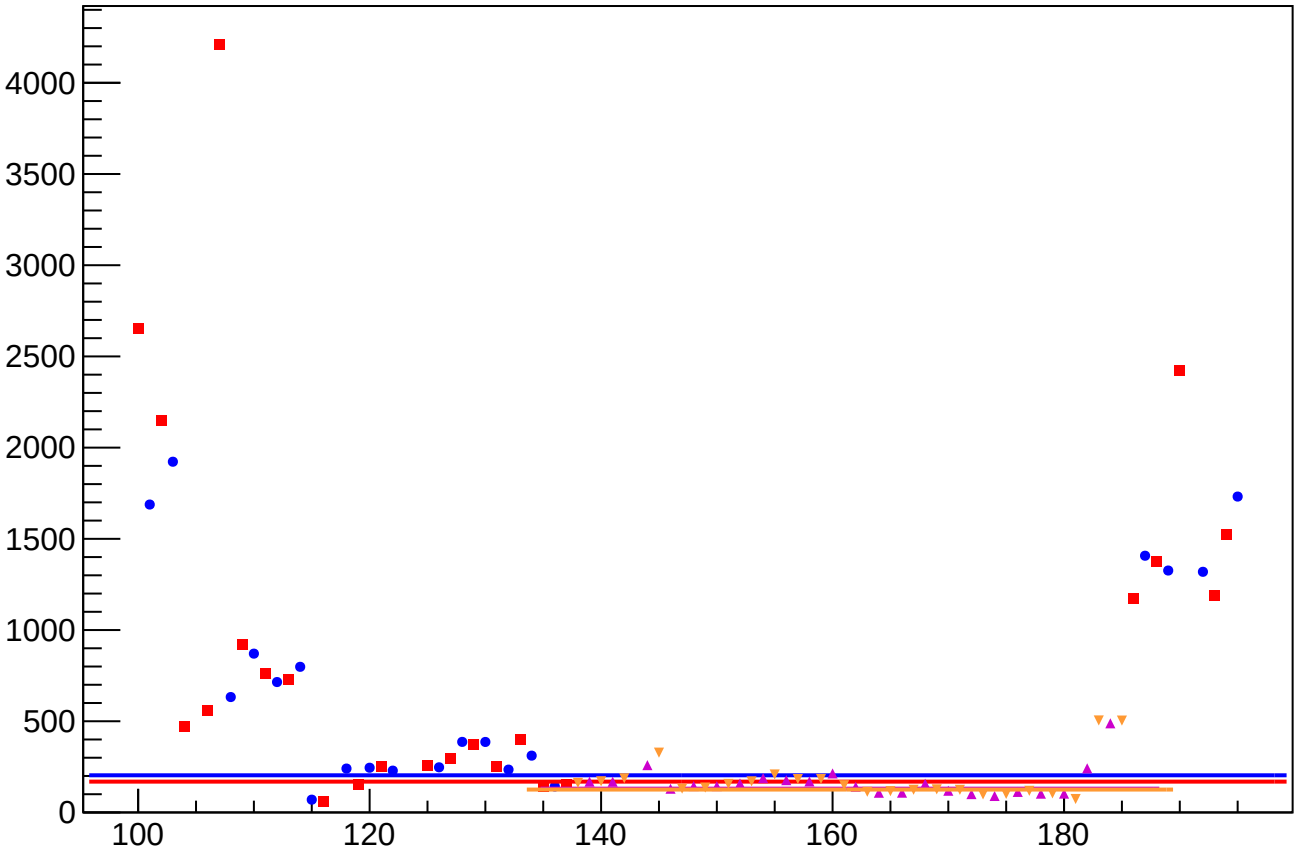
Right Out: -93.222+/-81.889 χ^2/NDF: 24.5/22

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

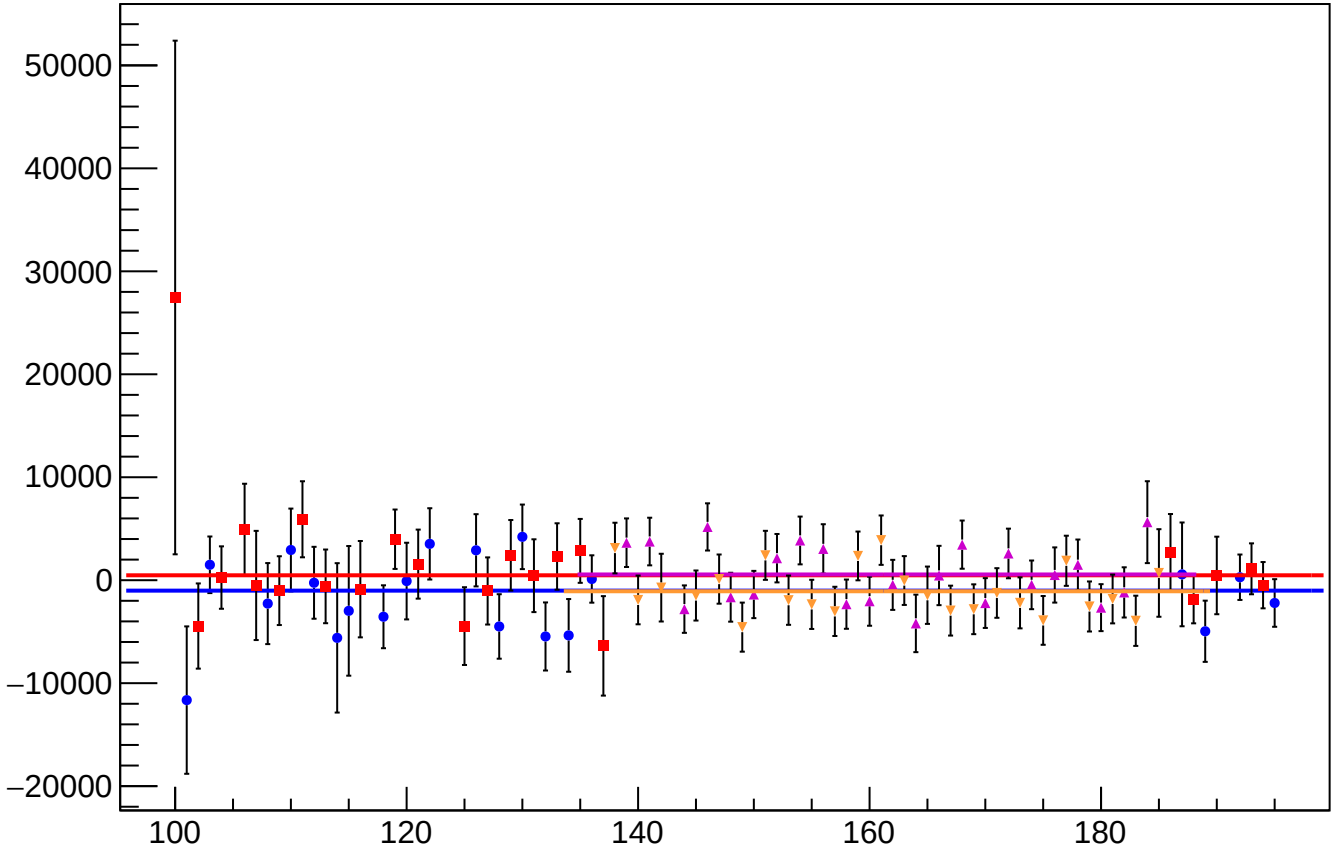
+ sign -114.949+/-29.670 χ^2/NDF: 61.7/43

All: -86.122+/-21.180 χ^2/NDF: 106.6/89

- sign -56.169+/-30.244 χ^2/NDF: 43.0/45


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 203.740+/-0.064 χ²/NDF: 8822920.9/19
Left Out: 125.506+/-0.022 χ²/NDF:3942746.1/23
Right Out: 168.998+/-0.058 χ²/NDF: 11397994.9/22
Left In: 130.436+/-0.023 χ²/NDF:2679692.6/22
+ sign 133.923+/-0.021 χ²/NDF: 14100726.6/43
All: 134.793+/-0.015 χ²/NDF: 28564927.5/89
- sign 135.696+/-0.021 χ²/NDF: 14460698.4/45

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: 477.419+/-705.245 χ^2/NDF: 14.5/22

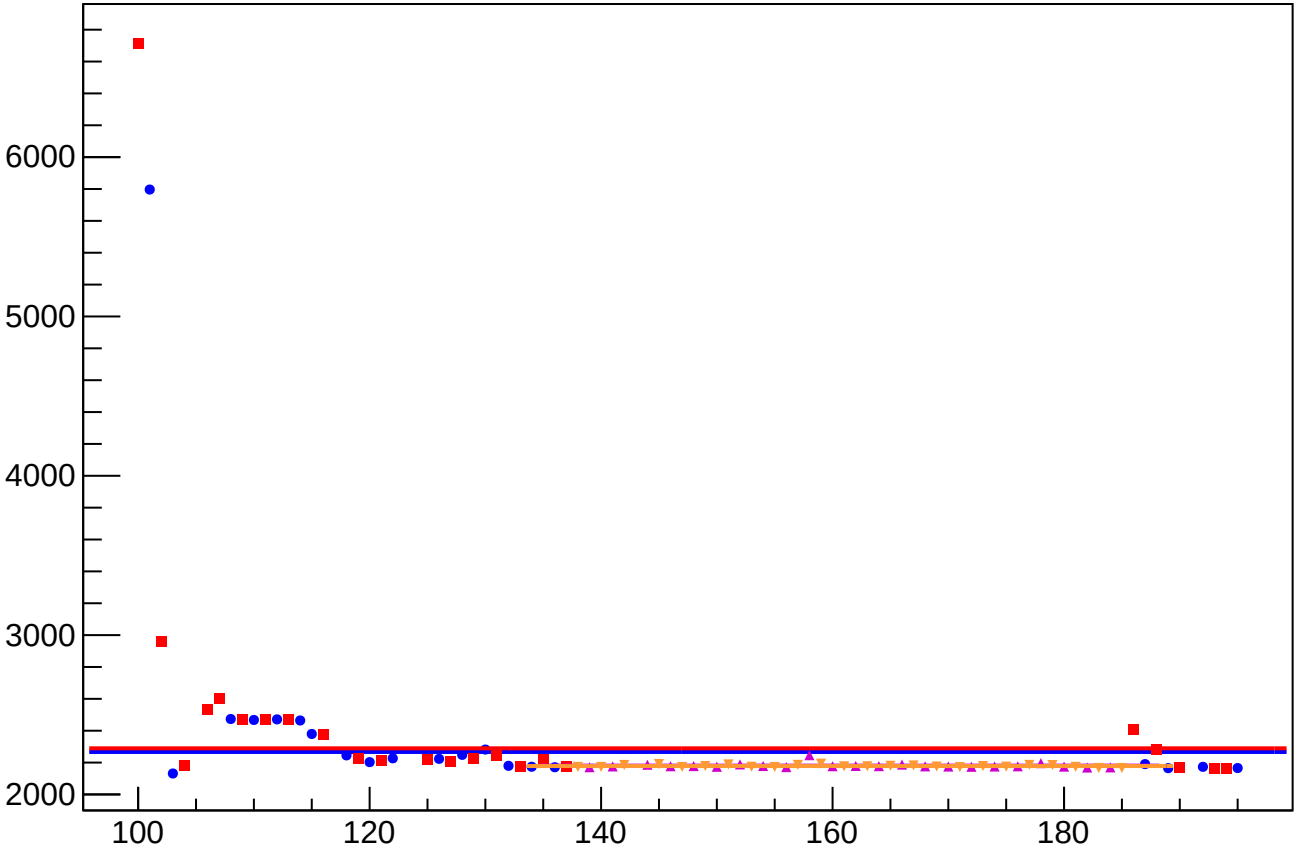
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.573+/-416.256 χ^2/NDF: 40.0/43

All: -255.377+/-293.123 χ^2/NDF: 90.5/89

- sign 529.781+/-412.842 χ^2/NDF: 43.2/45

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

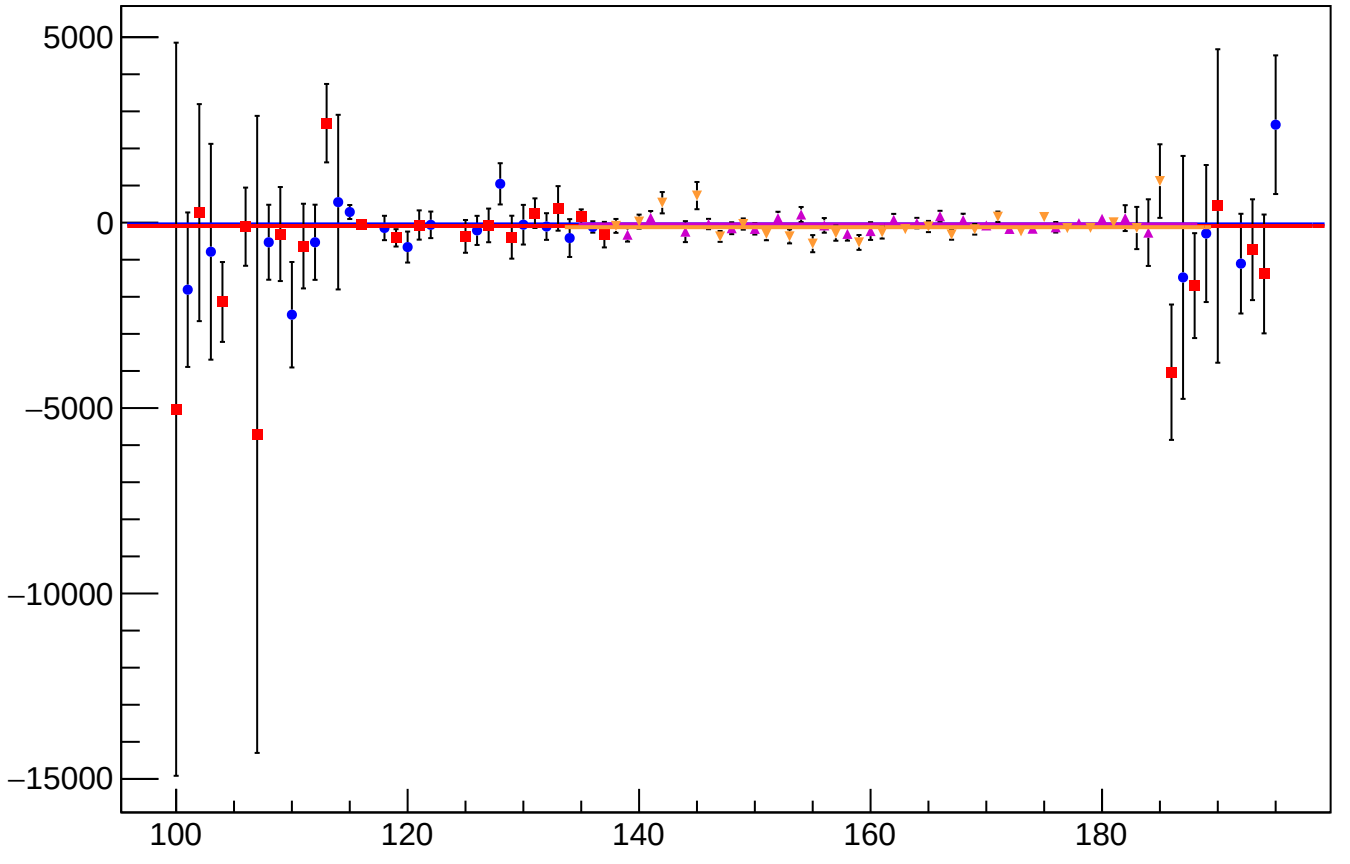
Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.9/43

All: 2212.446+/-0.207 χ^2/NDF: 754605.9/89

- sign 2218.095+/-0.292 χ^2/NDF: 205243.0/45



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

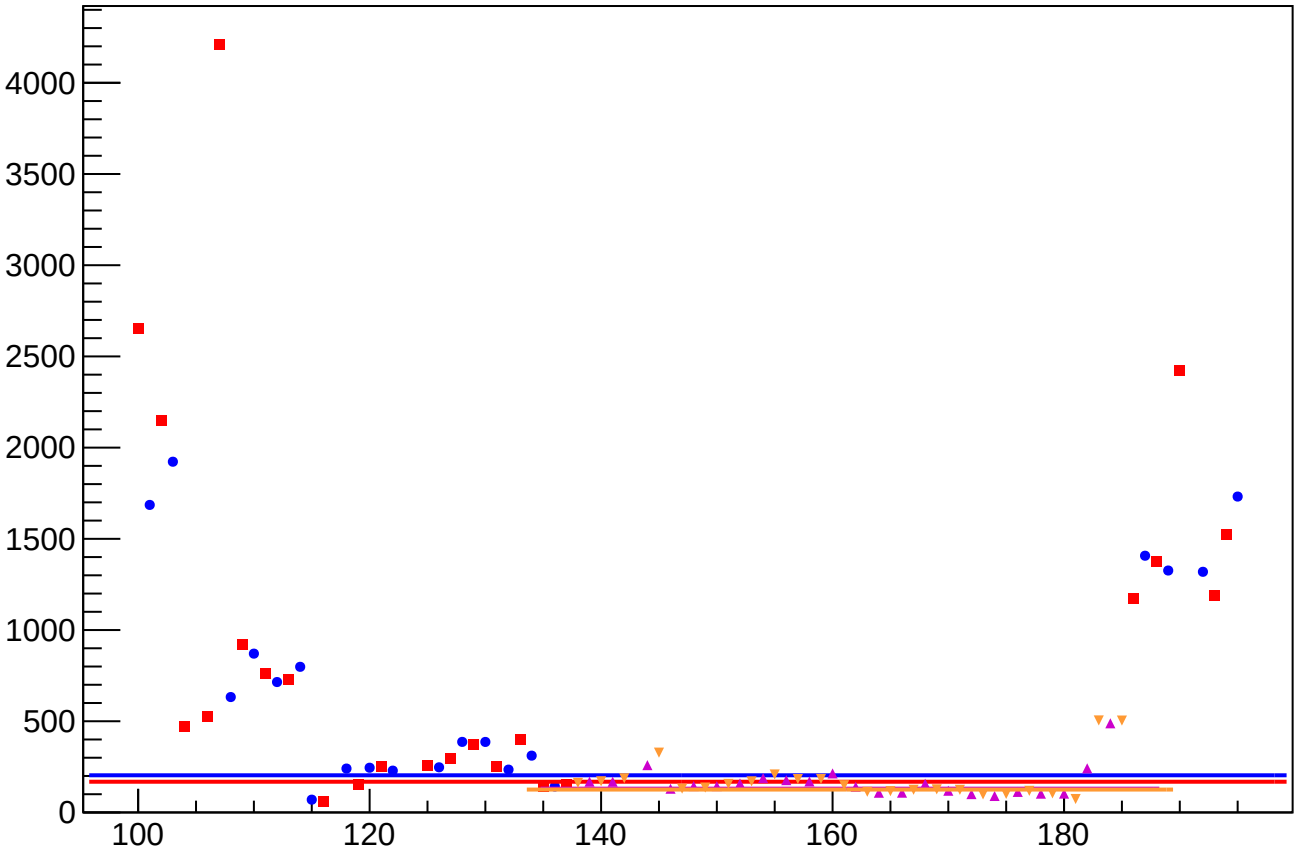
Right Out: -91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.882+/-29.671 χ^2/NDF: 61.7/43

All: -85.912+/-21.180 χ^2/NDF: 106.4/89

- sign -55.811+/-30.243 χ^2/NDF: 42.8/45



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: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

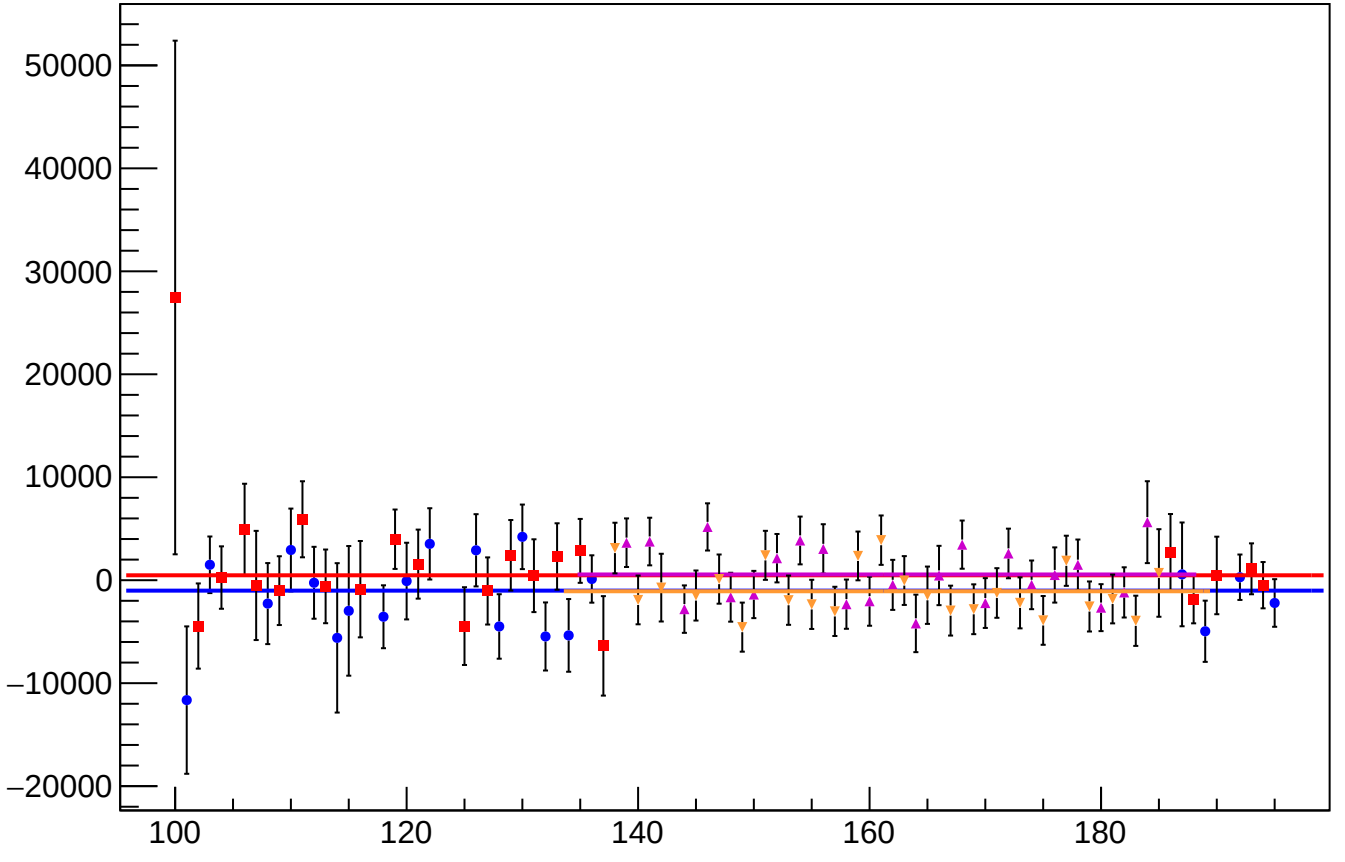
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.922+/-0.021 χ^2/NDF: 14101133.9/43

All: 134.764+/-0.015 χ^2/NDF: 28512872.4/89

- sign 135.639+/-0.021 χ^2/NDF: 14408453.6/45

eigen_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: 477.419+/-705.245 χ^2/NDF: 14.5/22

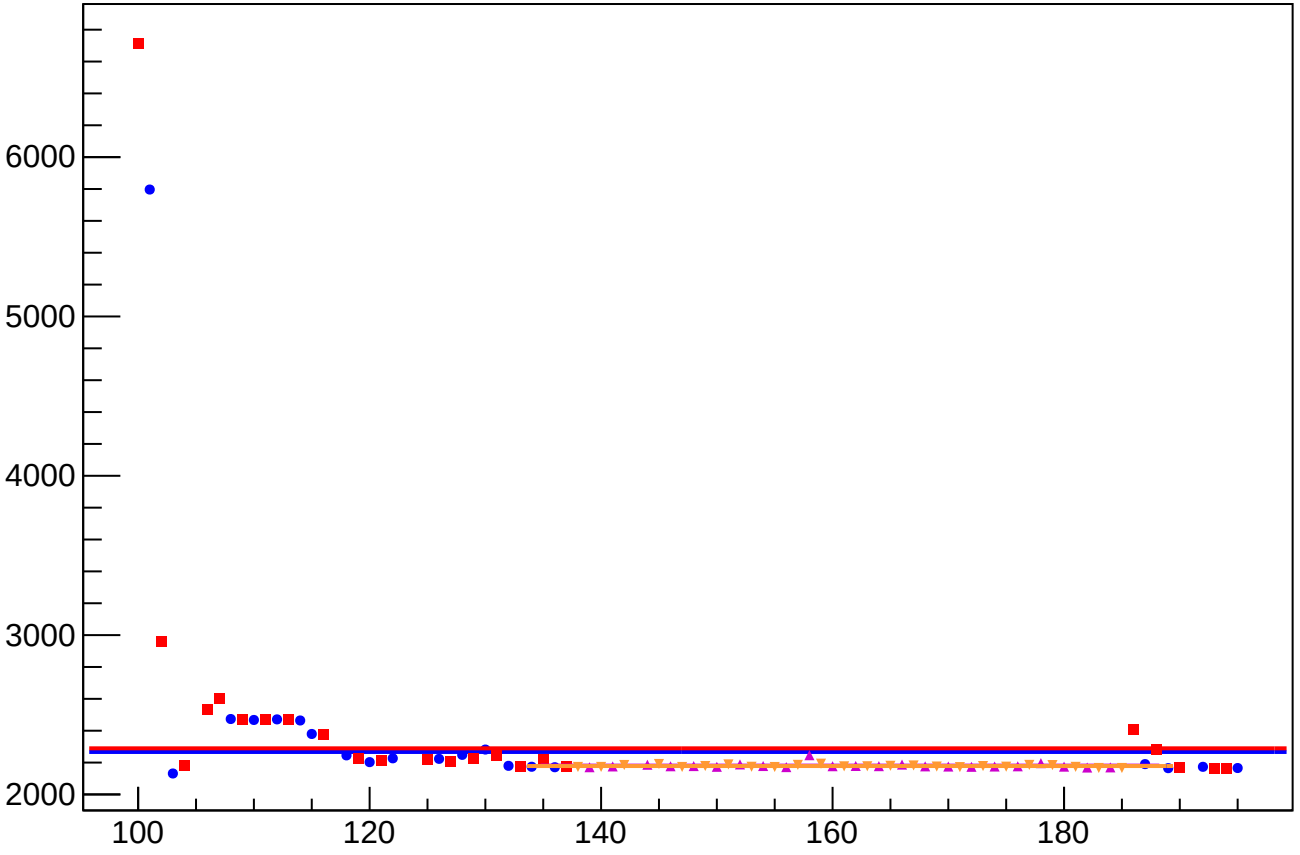
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1053.573+/-416.256 χ^2/NDF: 40.0/43

All: -255.377+/-293.123 χ^2/NDF: 90.5/89

- sign 529.781+/-412.842 χ^2/NDF: 43.2/45

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

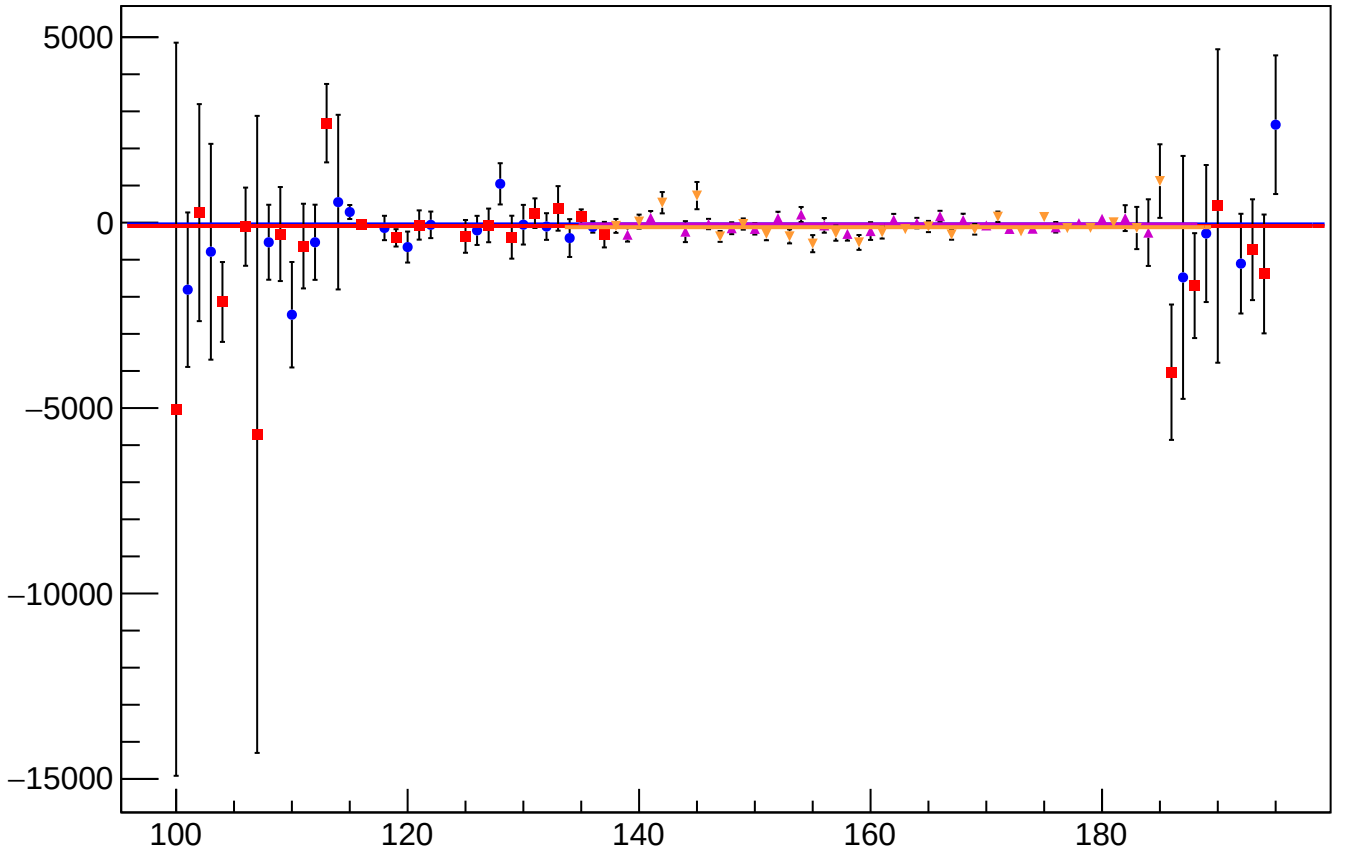
Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2206.704+/-0.294 χ^2/NDF: 548607.9/43

All: 2212.446+/-0.207 χ^2/NDF: 754605.9/89

- sign 2218.095+/-0.292 χ^2/NDF: 205243.0/45



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

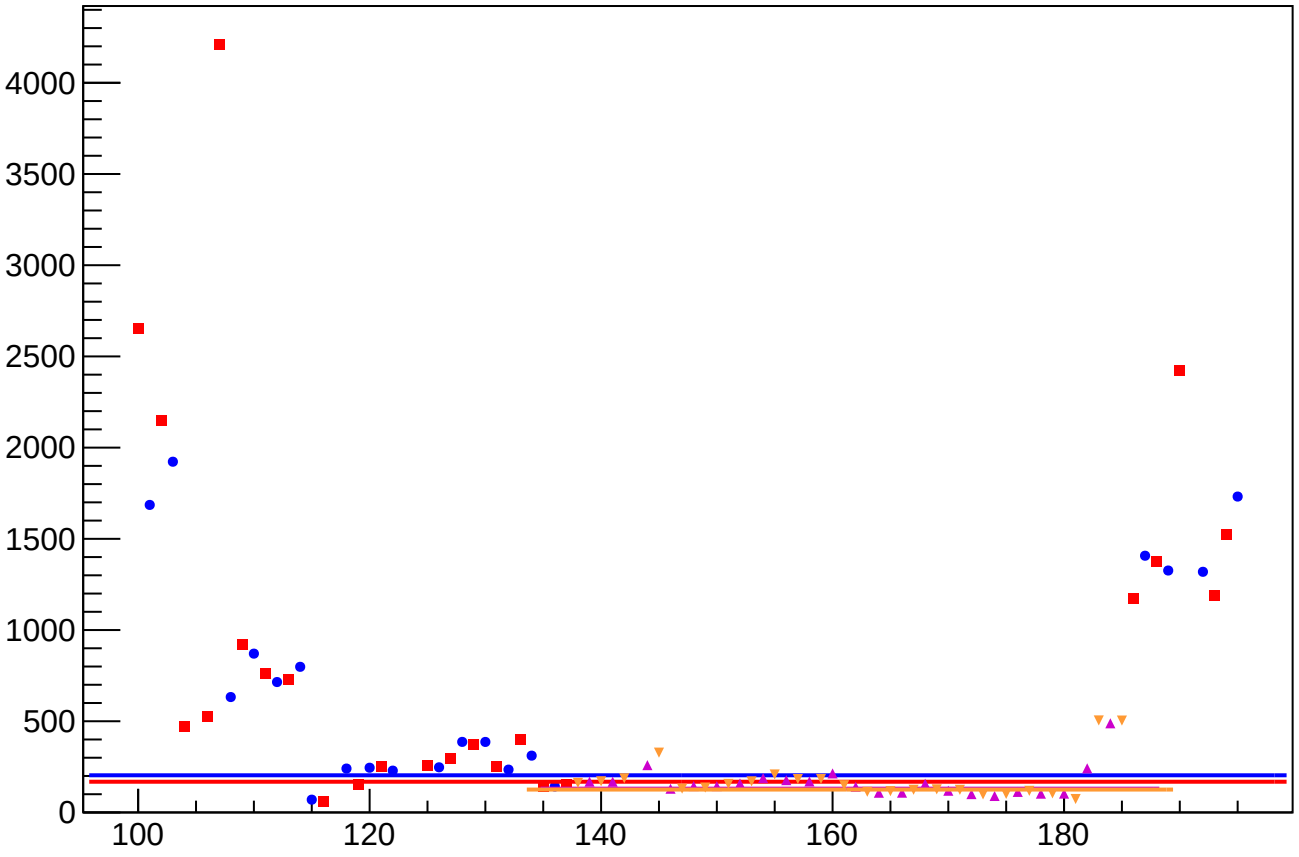
Right Out: -91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.882+/-29.671 χ^2/NDF: 61.7/43

All: -85.912+/-21.180 χ^2/NDF: 106.4/89

- sign -55.811+/-30.243 χ^2/NDF: 42.8/45



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: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

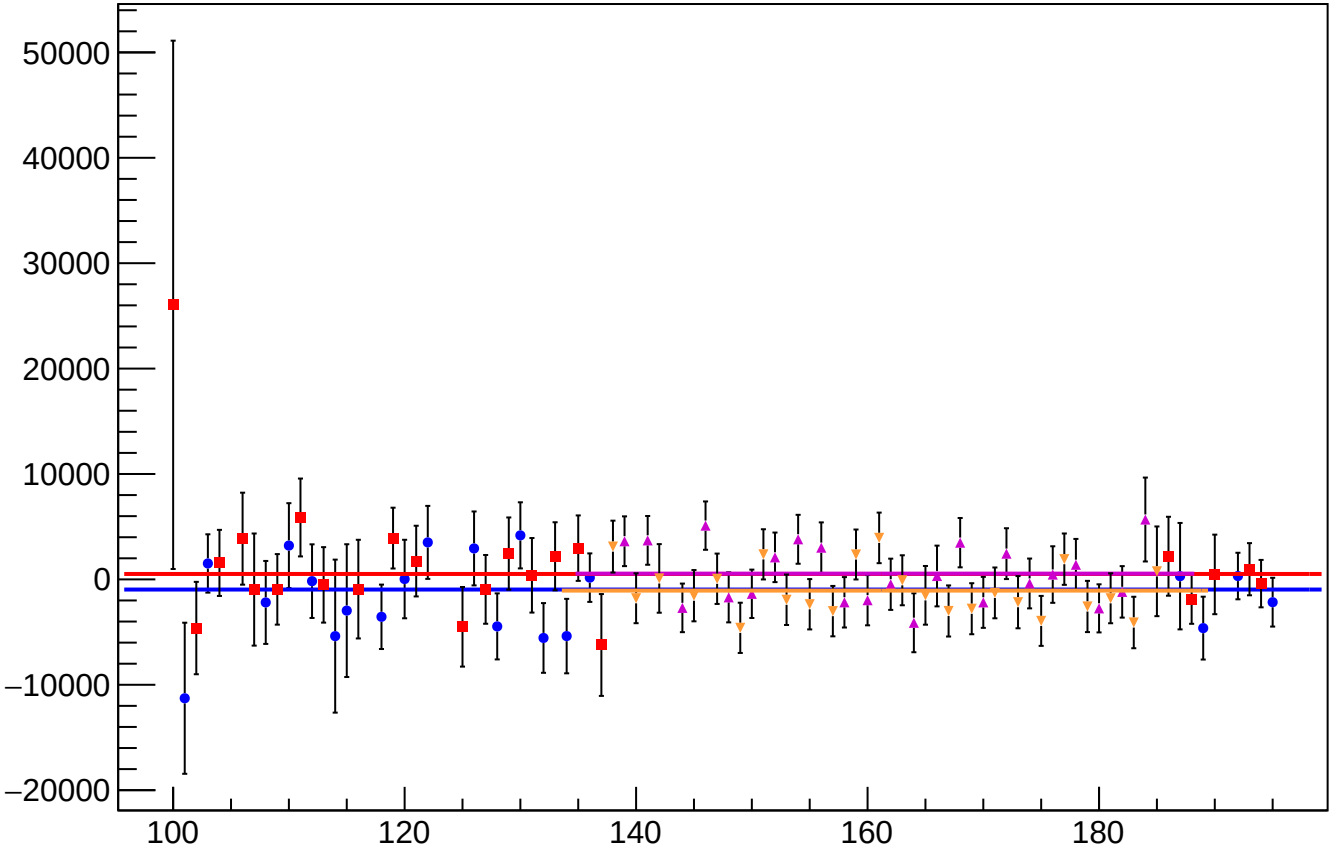
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.922+/-0.021 χ^2/NDF: 14101133.9/43

All: 134.764+/-0.015 χ^2/NDF: 28512872.4/89

- sign 135.639+/-0.021 χ^2/NDF: 14408453.6/45

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: 514.105+/-707.765 χ^2/NDF: 13.8/22

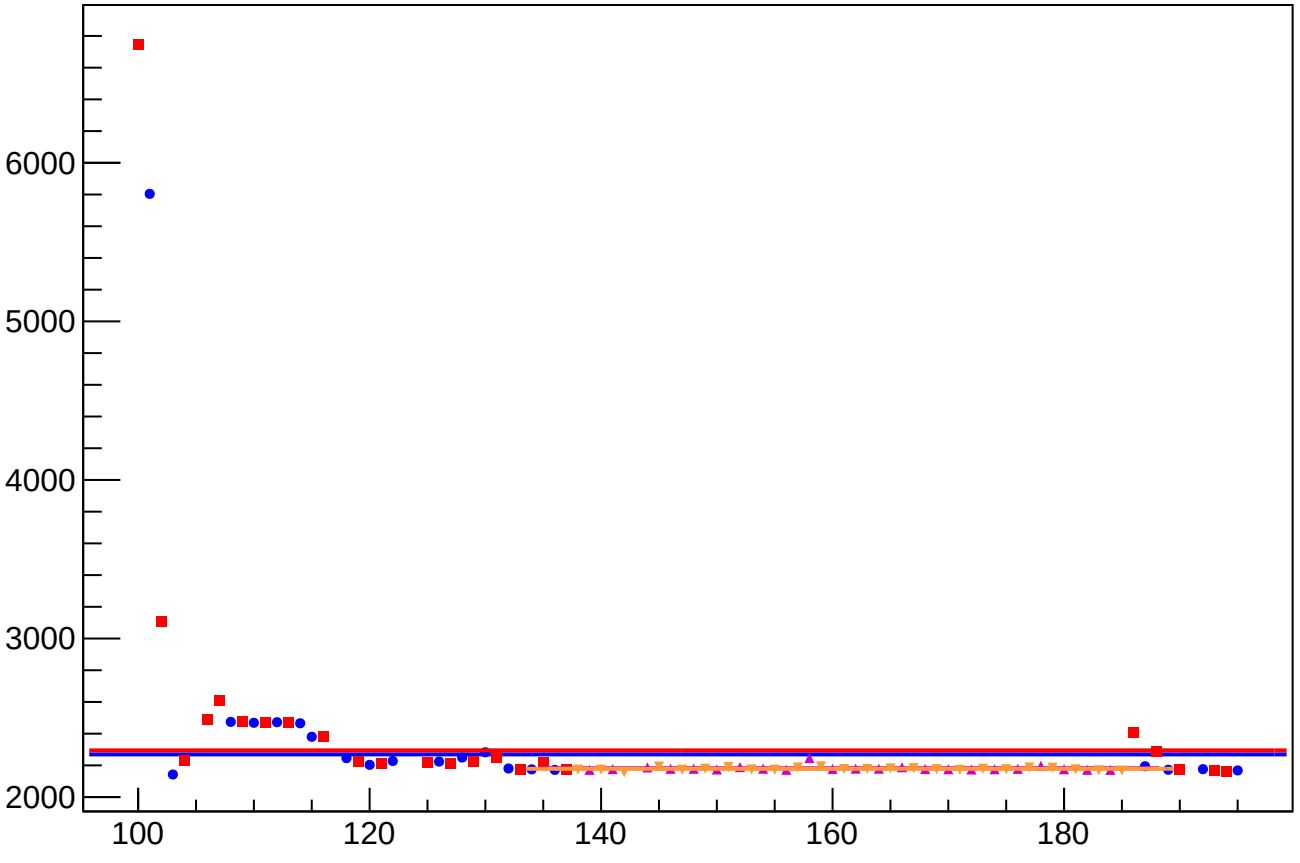
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -1030.589+/-416.472 χ^2/NDF: 40.0/43

All: -242.644+/-293.422 χ^2/NDF: 88.8/89

- sign 533.969+/-413.466 χ^2/NDF: 41.7/45

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

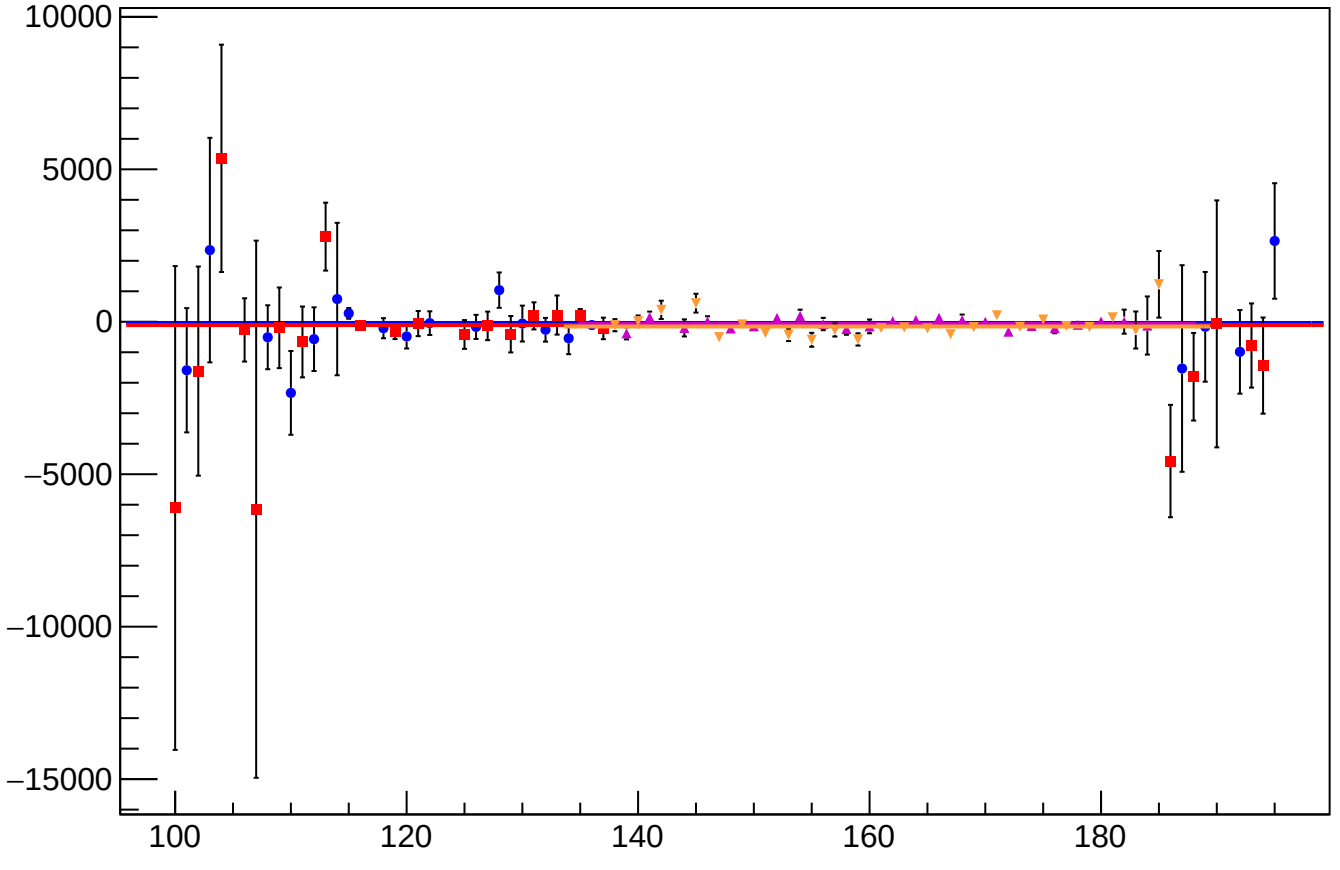
Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.3/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.685+/-0.294 χ^2/NDF: 548905.0/43

All: 2214.096+/-0.207 χ^2/NDF: 772143.5/89

- sign 2220.414+/-0.292 χ^2/NDF: 222297.5/45



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: -108.729+/-85.530 χ^2/NDF: 23.2/22

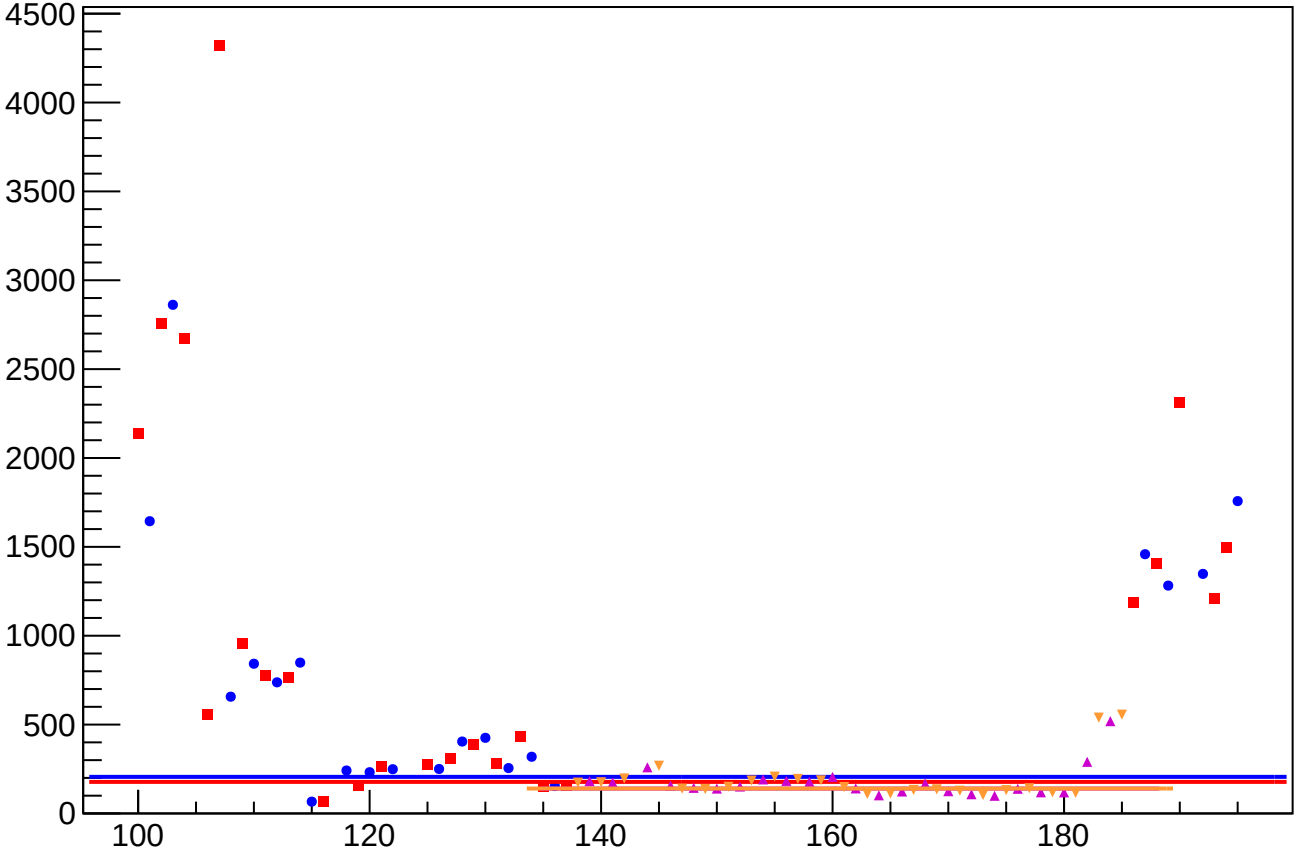
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -140.814+/-31.939 χ^2/NDF: 65.4/43

All: -107.953+/-22.520 χ^2/NDF: 109.9/89

- sign -75.462+/-31.759 χ^2/NDF: 42.3/45

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 205.902+/-0.065 χ^2/NDF: 9372543.4/19

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 177.618+/-0.060 χ^2/NDF: 12261050.2/22

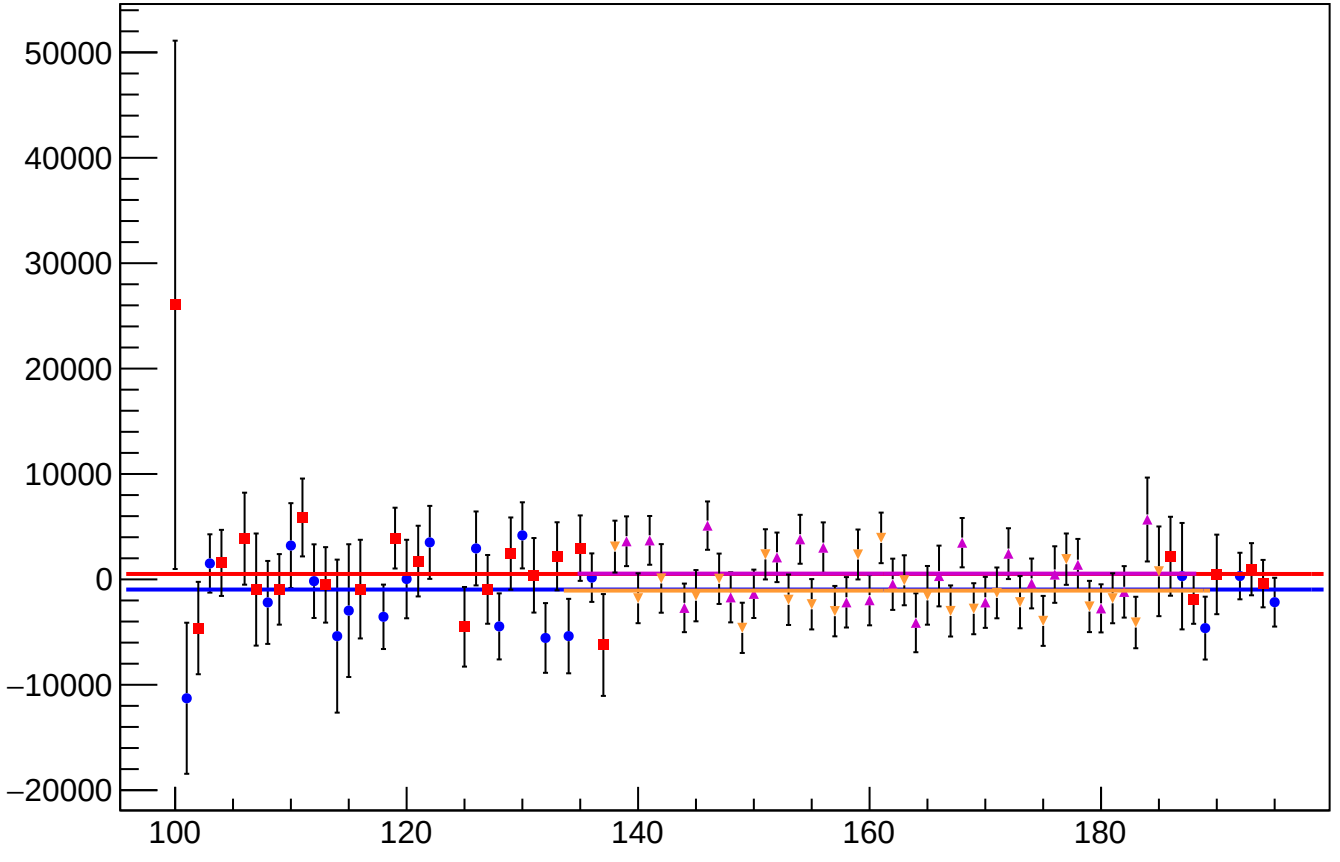
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 148.234+/-0.023 χ^2/NDF: 13027740.5/43

All: 146.692+/-0.016 χ^2/NDF: 28044438.1/89

- sign 145.168+/-0.022 χ^2/NDF: 15007432.6/45

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -963.531+/-734.437 χ^2/NDF: 18.1/19

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 514.105+/-707.765 χ^2/NDF: 13.8/22

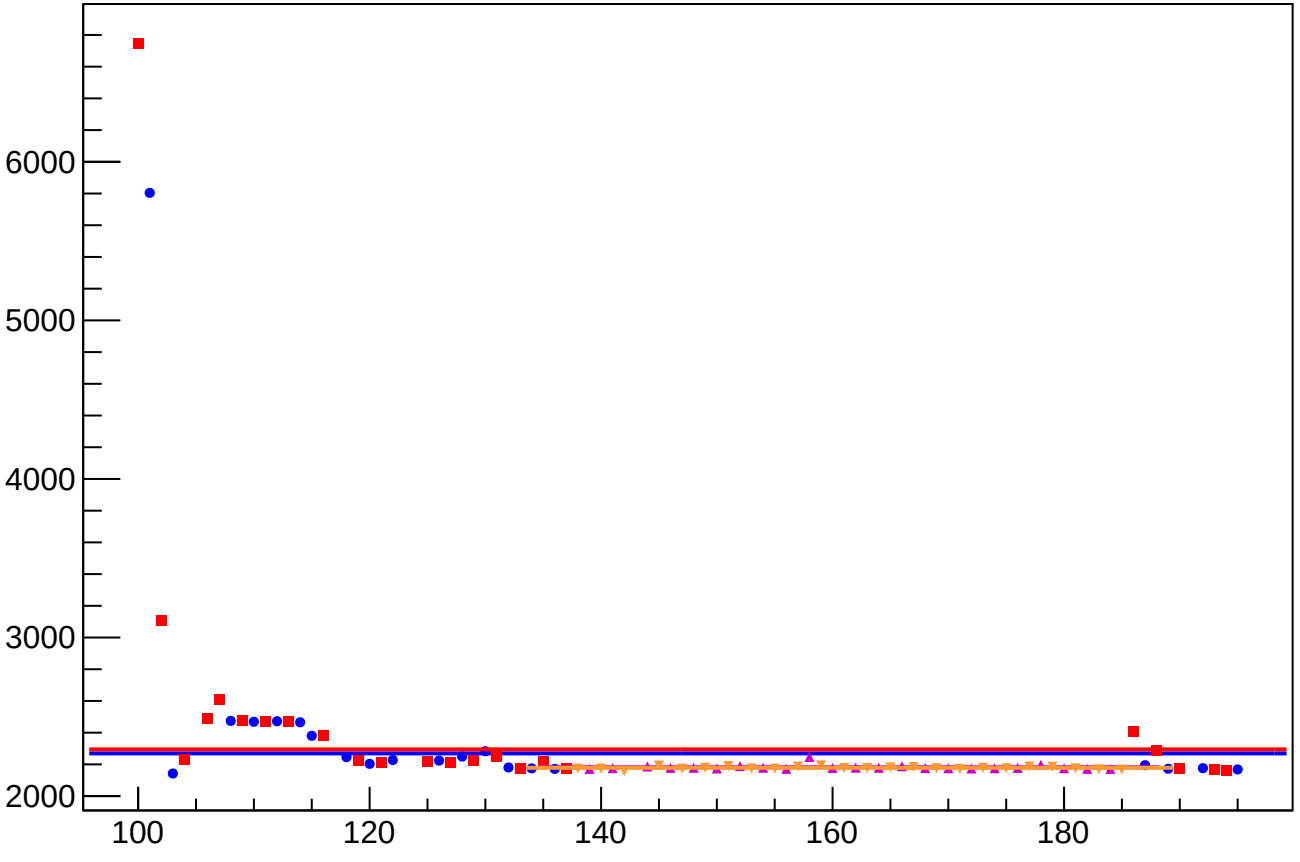
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -1030.589+/-416.472 χ^2/NDF: 40.0/43

All: -242.644+/-293.422 χ^2/NDF: 88.8/89

- sign 533.969+/-413.466 χ^2/NDF: 41.7/45

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

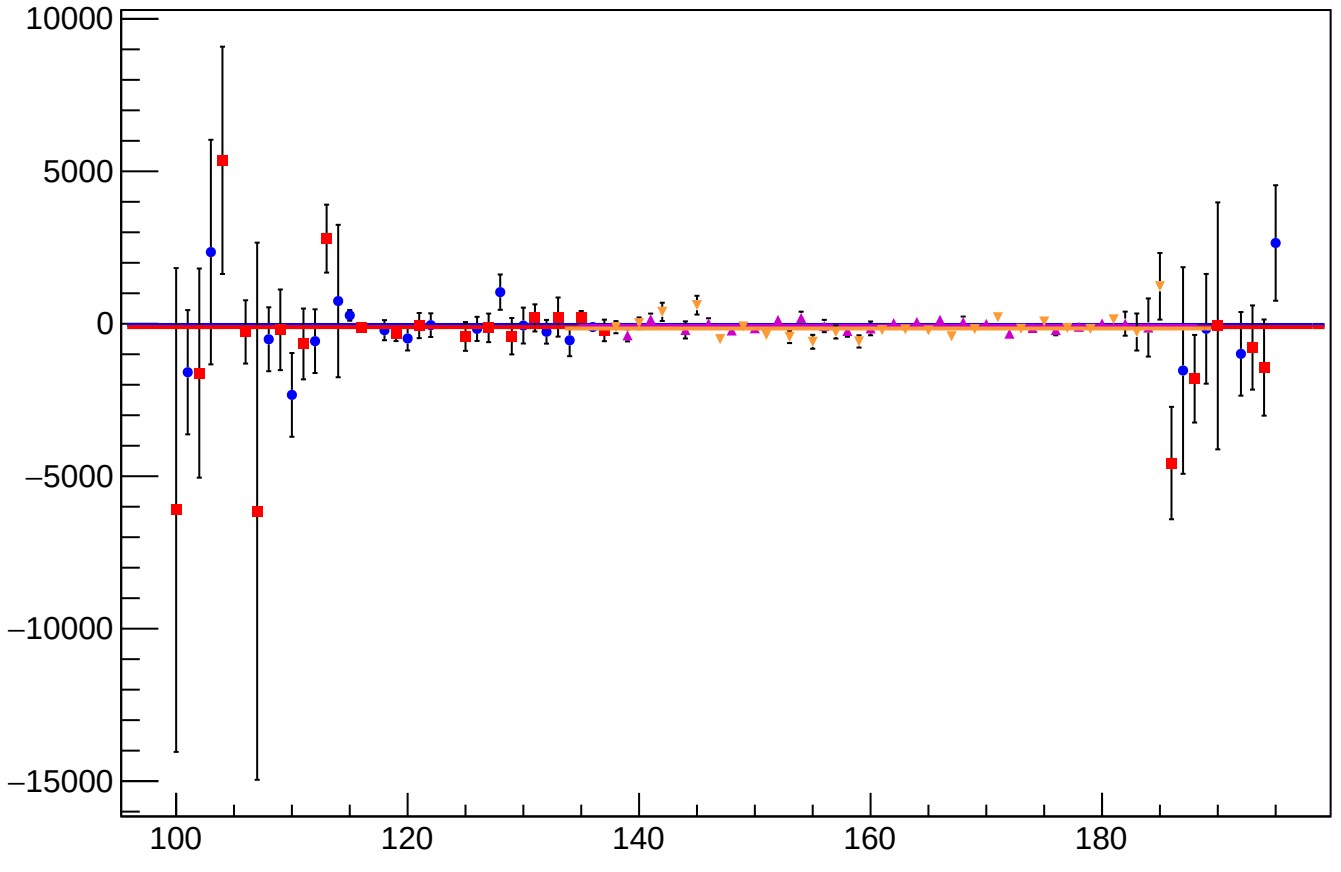
Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.2/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.685+/-0.294 χ^2/NDF: 548905.1/43

All: 2214.096+/-0.207 χ^2/NDF: 772143.4/89

- sign 2220.414+/-0.292 χ^2/NDF: 222297.4/45



Right In: -39.456+/-91.936 χ^2/NDF: 16.7/19

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

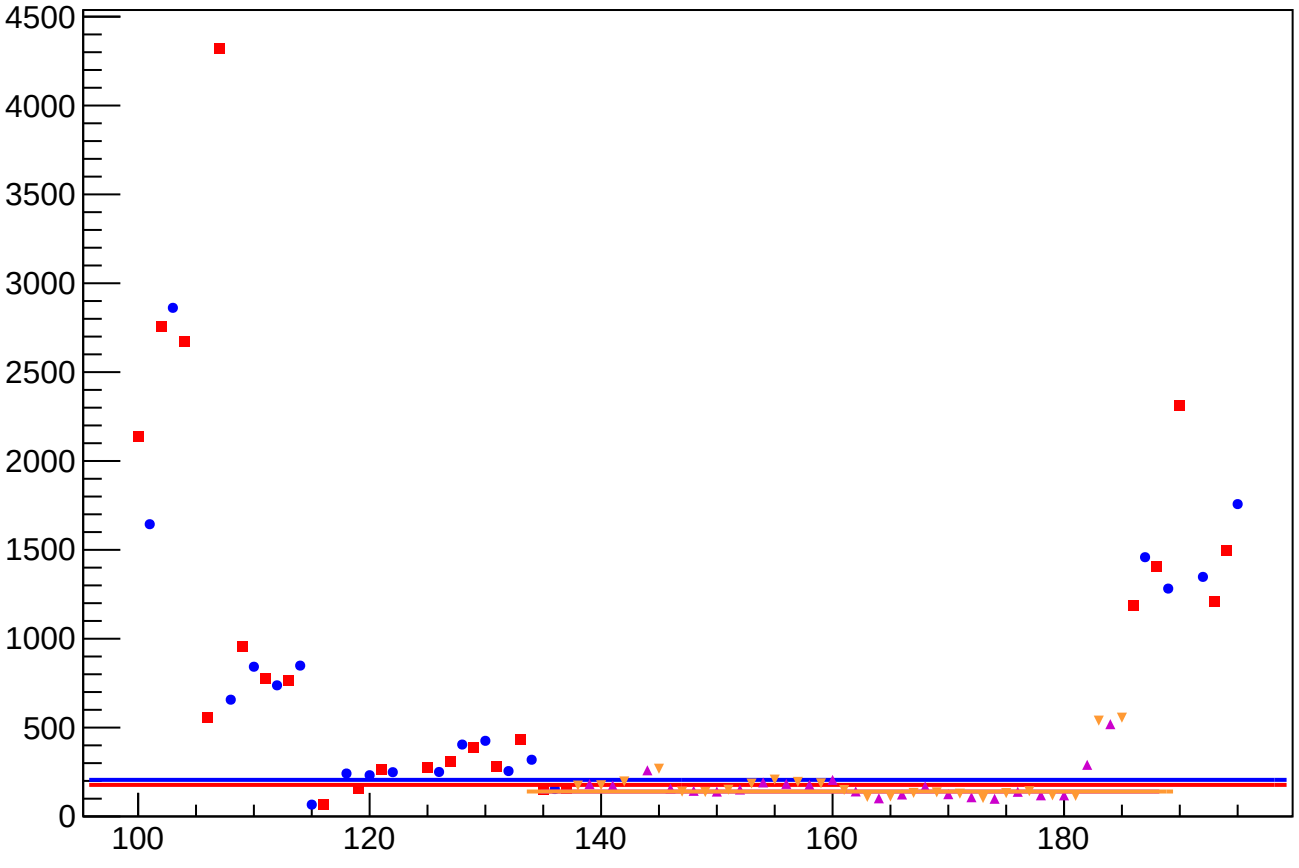
Right Out: -108.729+/-85.529 χ^2/NDF: 23.2/22

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

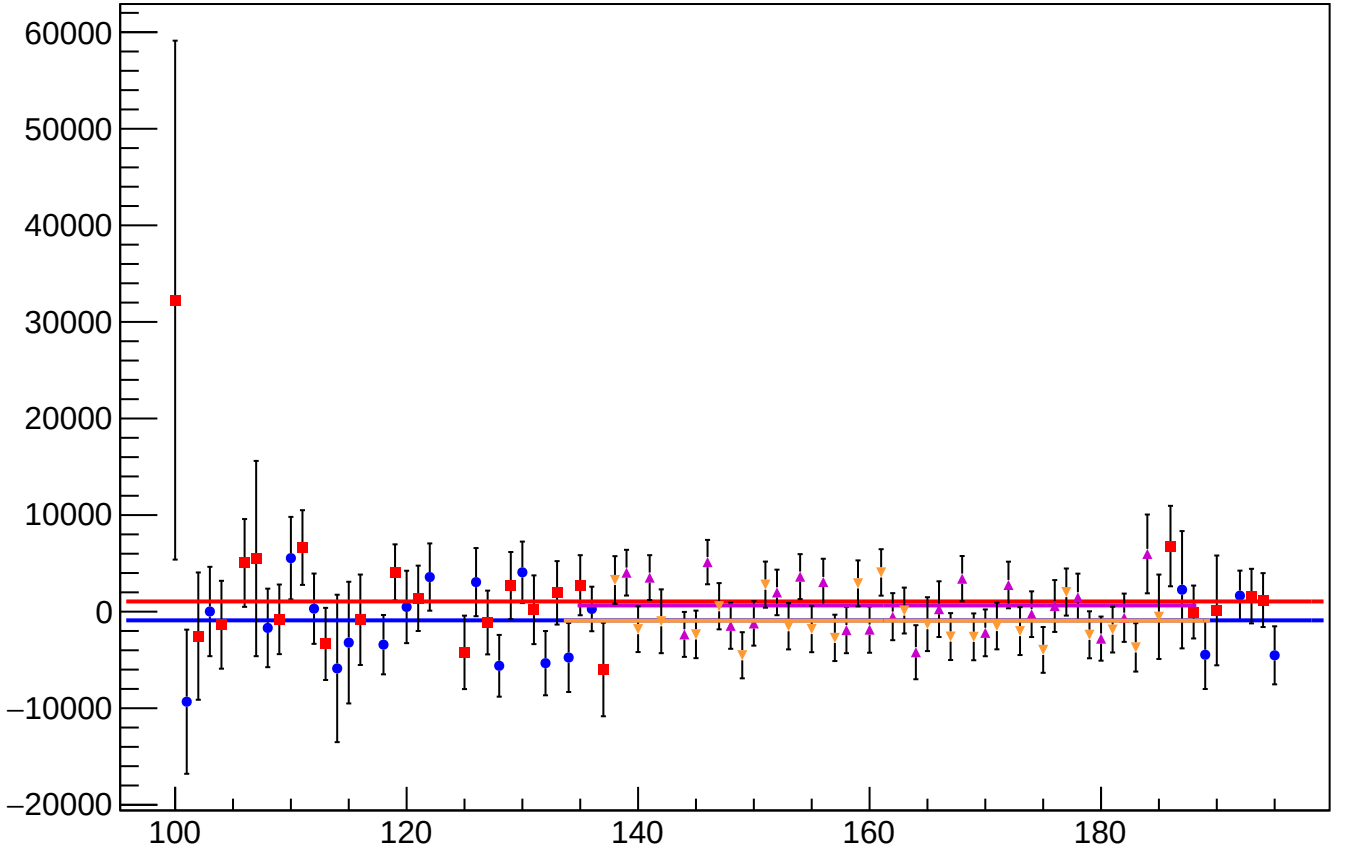
+ sign -140.814+/-31.939 χ^2/NDF: 65.4/43

All: -107.953+/-22.520 χ^2/NDF: 109.9/89

- sign -75.461+/-31.759 χ^2/NDF: 42.3/45


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 205.900+/-0.065 χ²/NDF: 9372594.2/19
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 177.616+/-0.060 χ²/NDF: 12261127.3/22
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 148.234+/-0.023 χ²/NDF: 13027723.5/43
All: 146.692+/-0.016 χ²/NDF: 28044511.8/89
- sign 145.168+/-0.022 χ²/NDF: 15007521.6/45

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: 1055.313+/-782.041 χ^2/NDF: 15.1/22

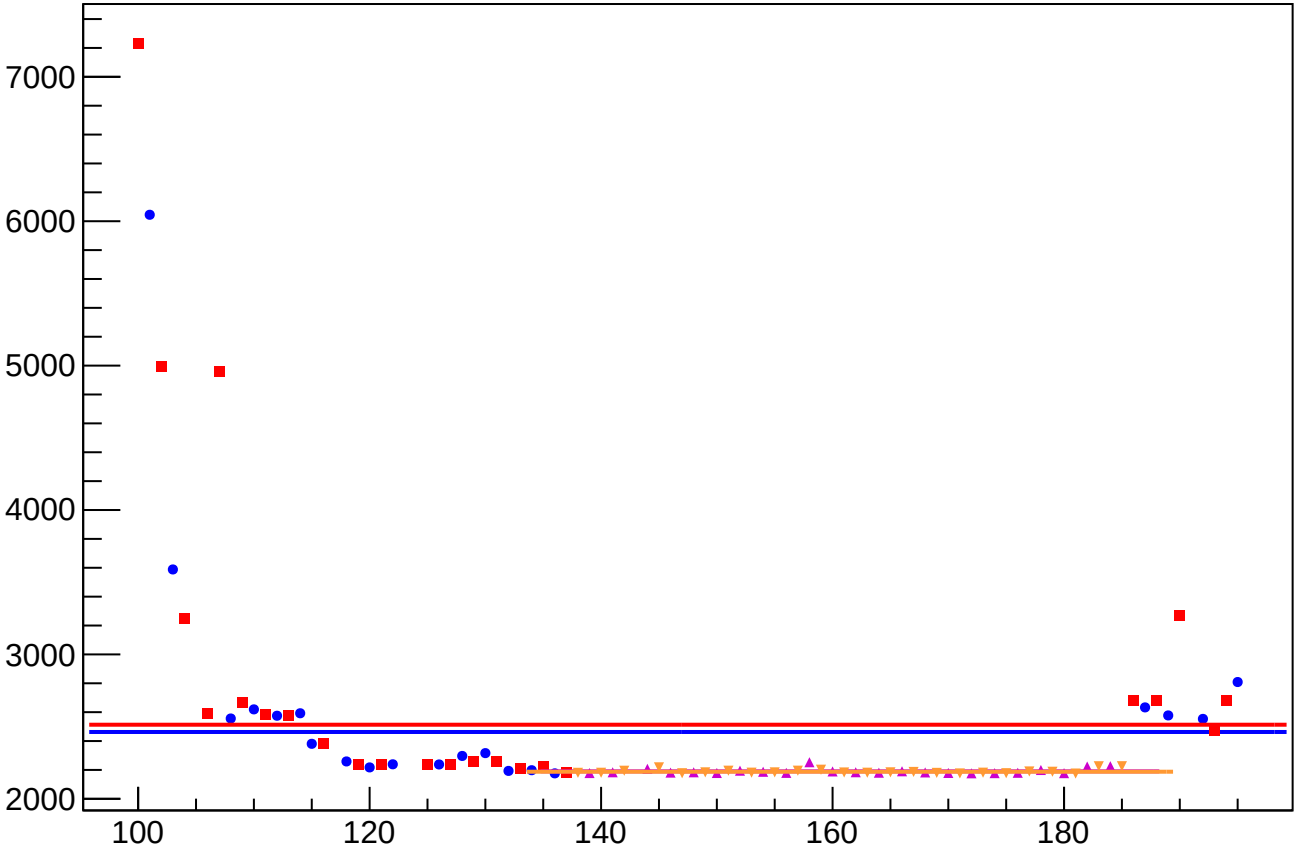
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -923.270+/-428.879 χ^2/NDF: 41.9/43

All: -76.722+/-302.950 χ^2/NDF: 92.0/89

- sign 766.334+/-427.993 χ^2/NDF: 42.3/45

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

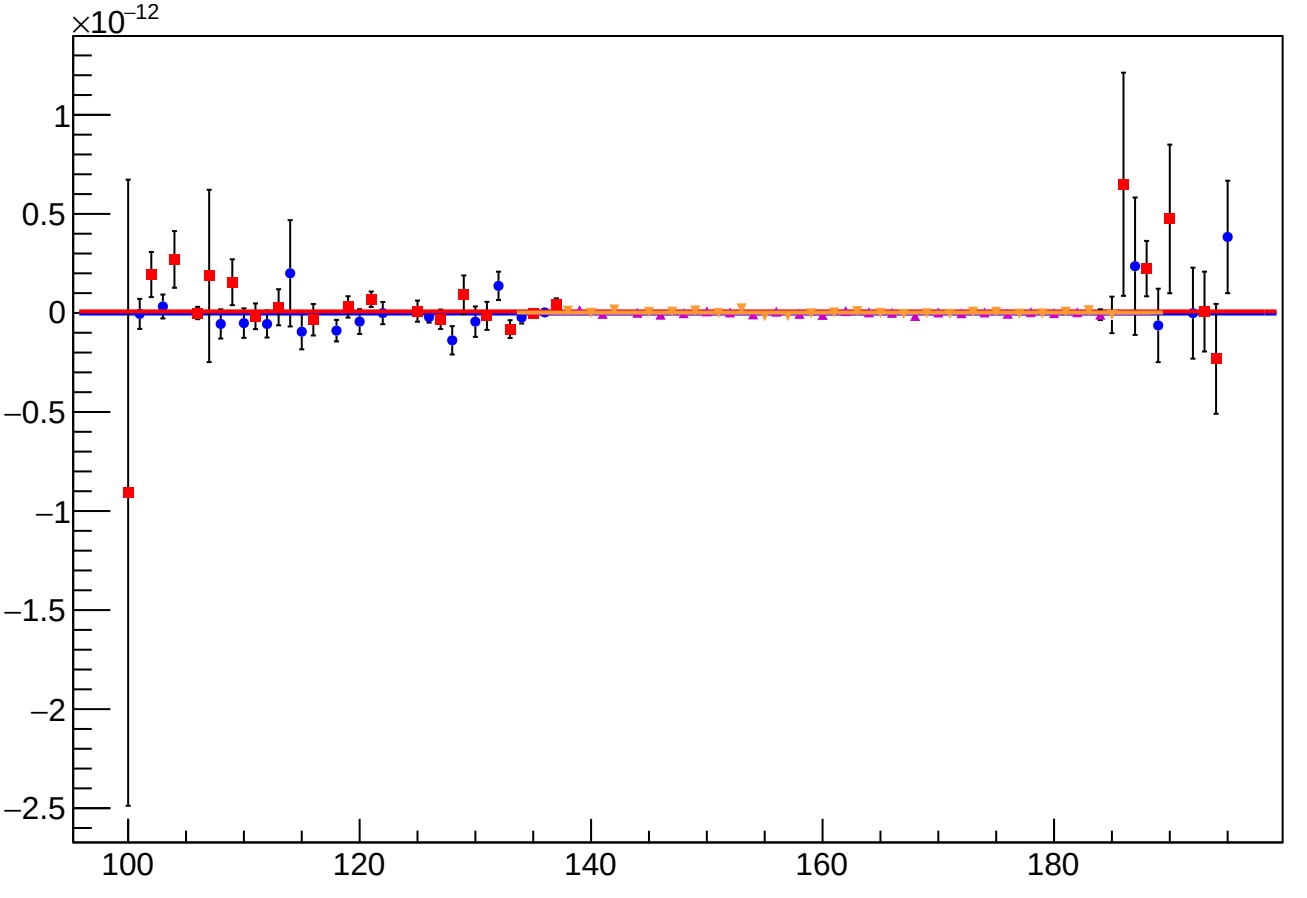
Right Out: 2513.107+/-0.553 χ^2/NDF: 695970.7/22

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2266.441+/-0.303 χ^2/NDF: 886324.0/43

All: 2276.686+/-0.214 χ^2/NDF: 1826022.0/89

- sign 2286.890+/-0.303 χ^2/NDF: 937420.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

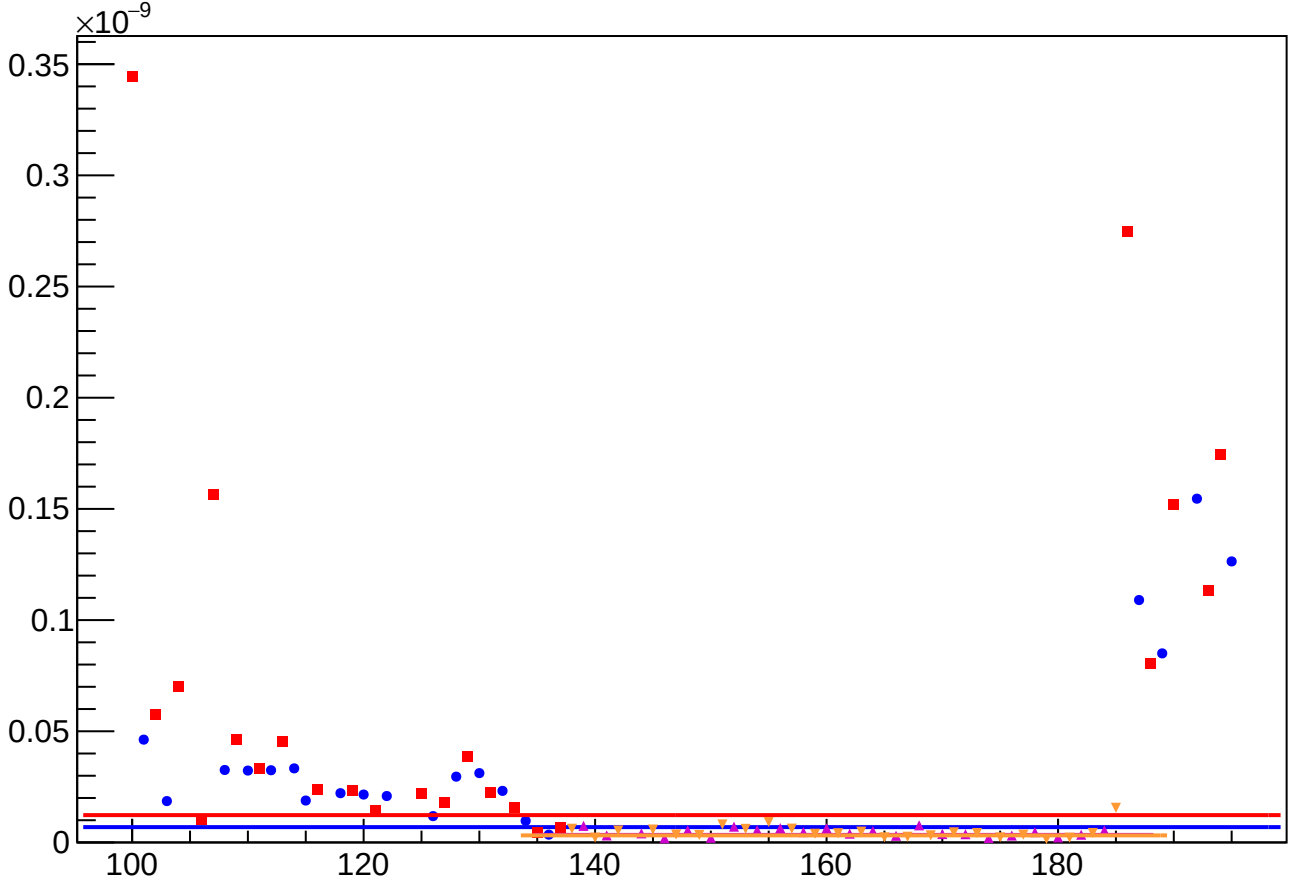
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

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: 77.1/89

- sign 0.000+/-0.000 χ^2/NDF: 38.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 4570555.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

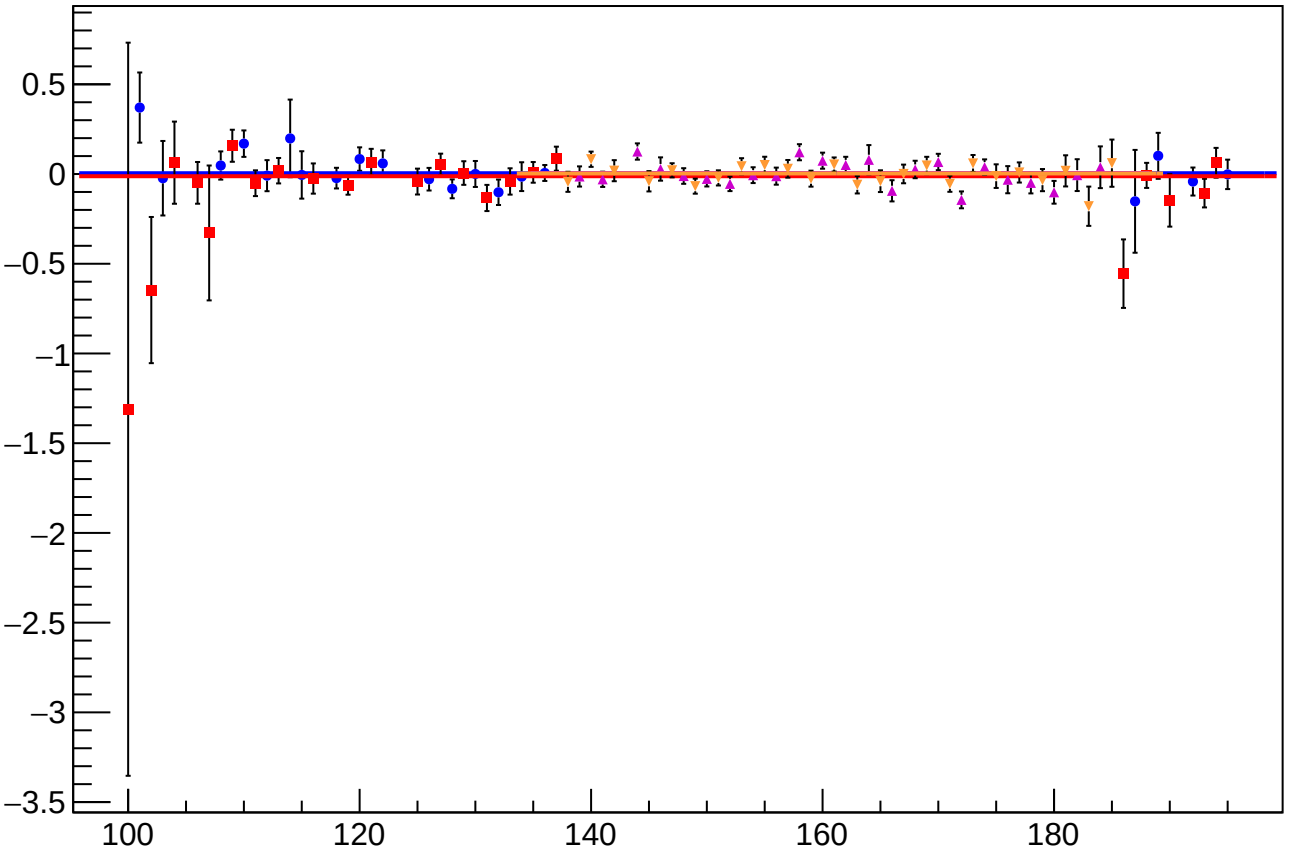
Right Out: 0.000+/-0.000 χ^2/NDF: 5092183.2/22

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: 15752167.2/89

- sign 0.000+/-0.000 χ^2/NDF: 8427349.0/45



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

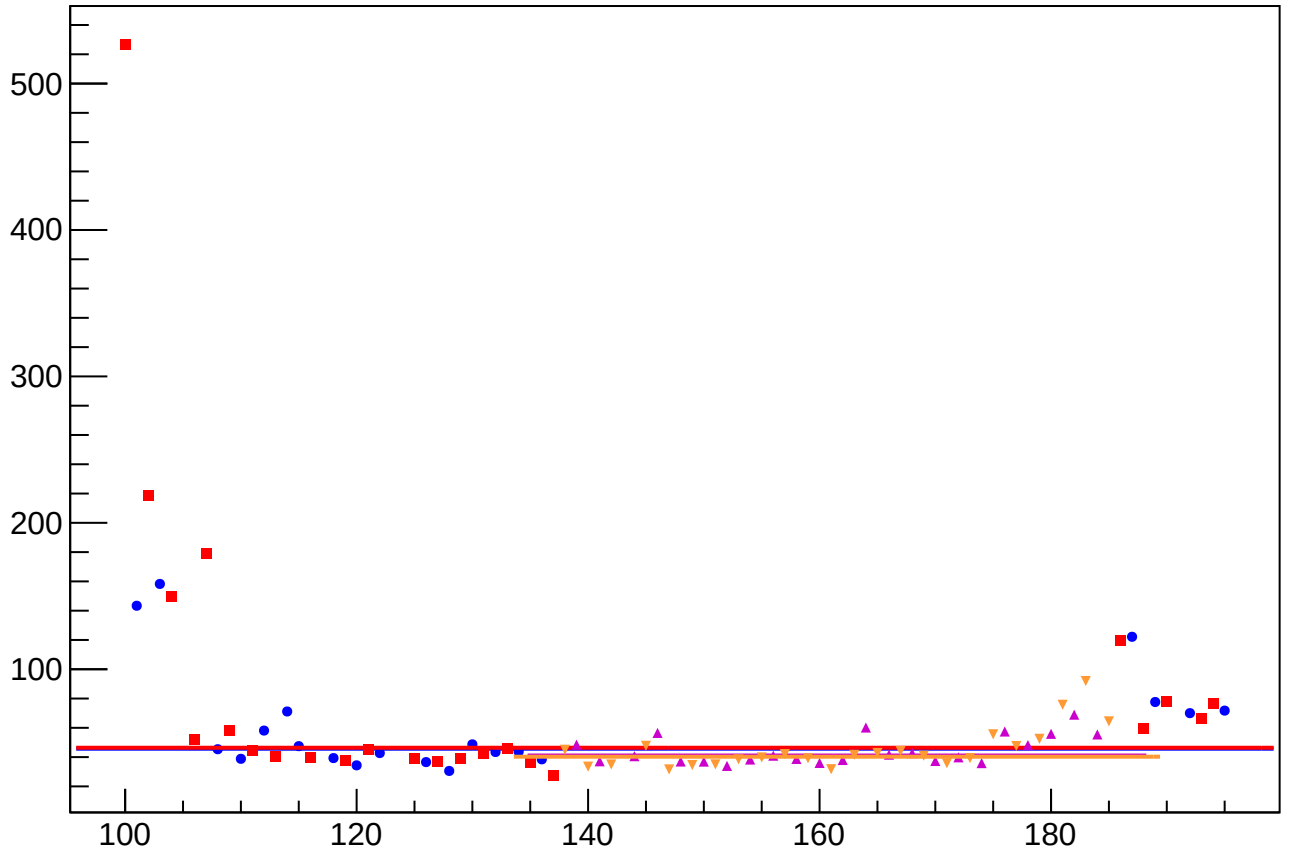
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

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: 110.2/89

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

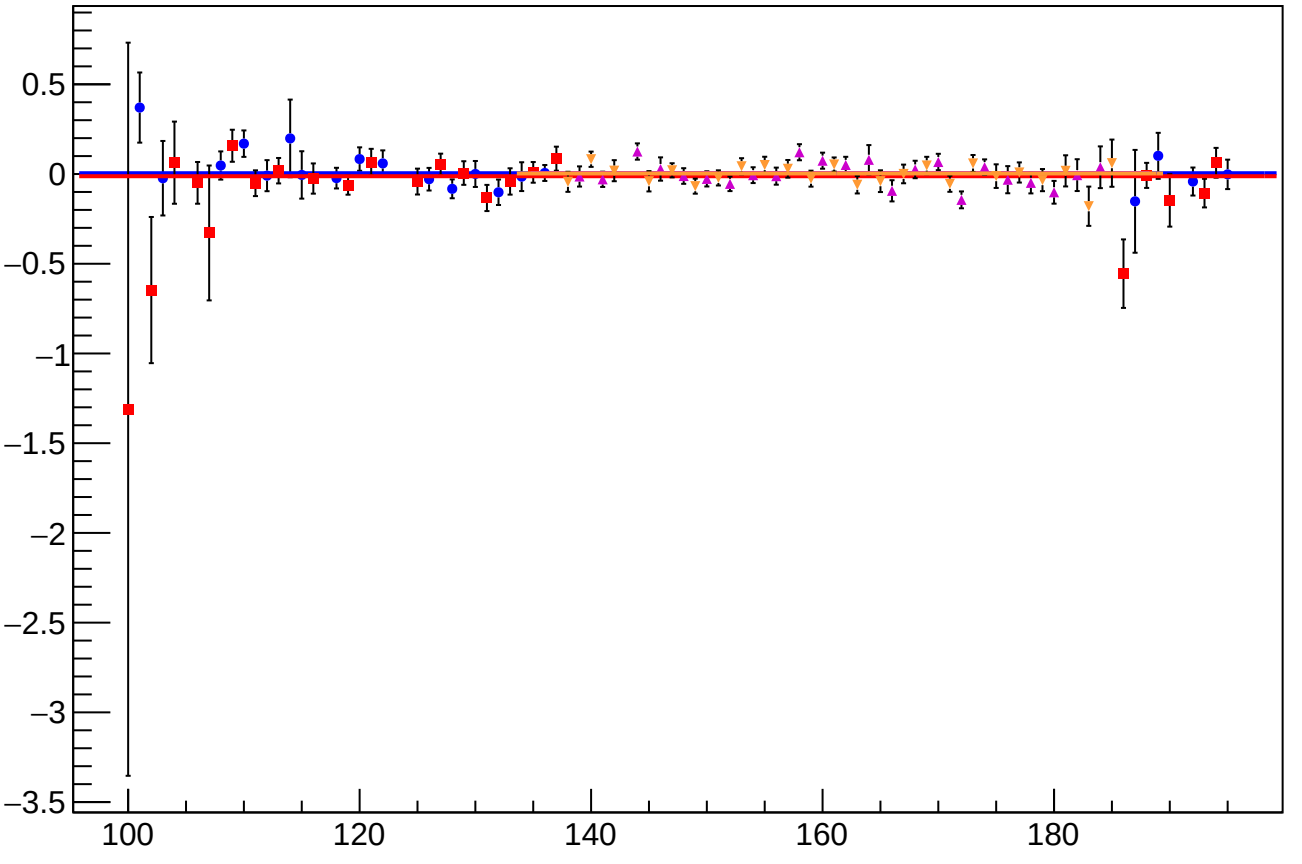
Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.735+/-0.006 χ^2/NDF: 3829281.1/43

All: 42.147+/-0.004 χ^2/NDF: 7316896.6/89

- sign 42.566+/-0.006 χ^2/NDF: 3478938.3/45



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

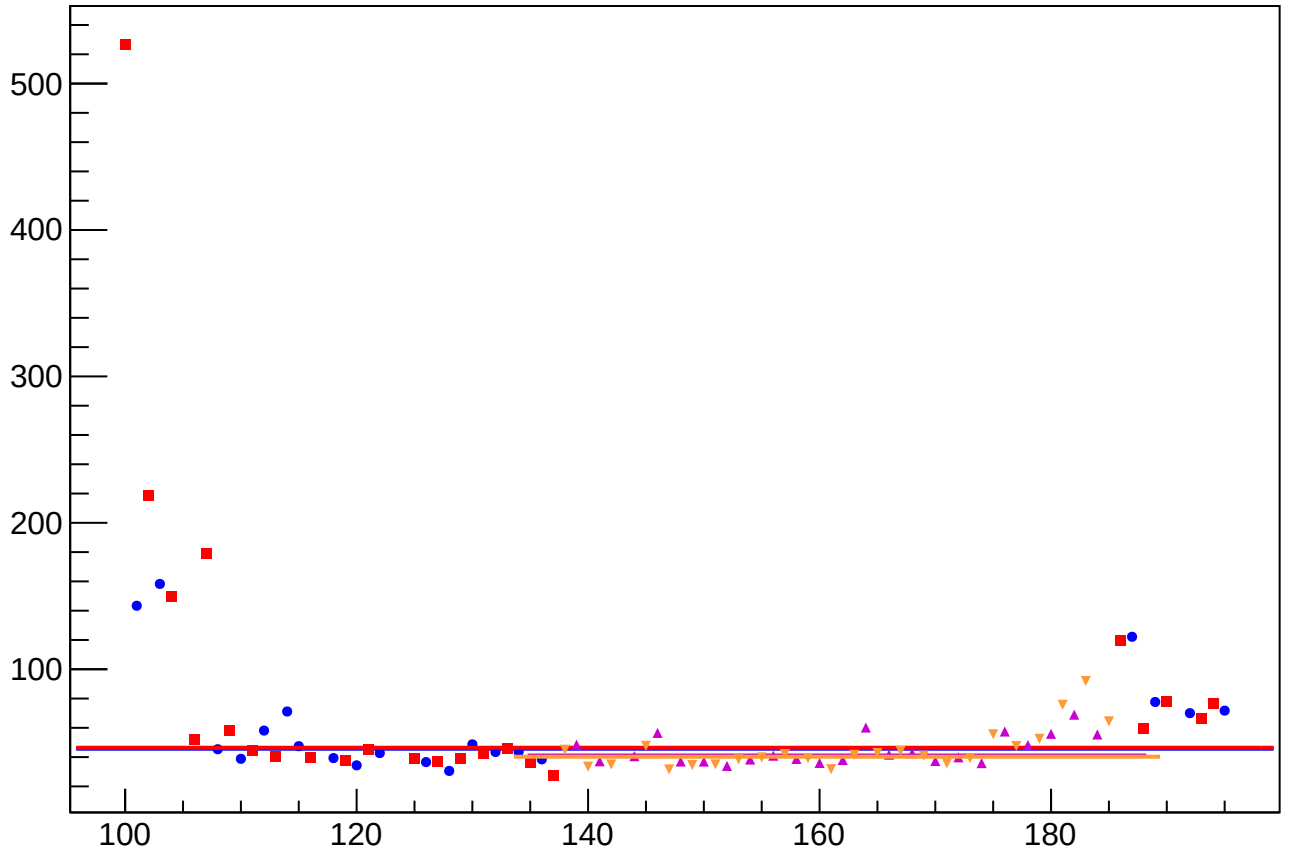
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

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: 110.2/89

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

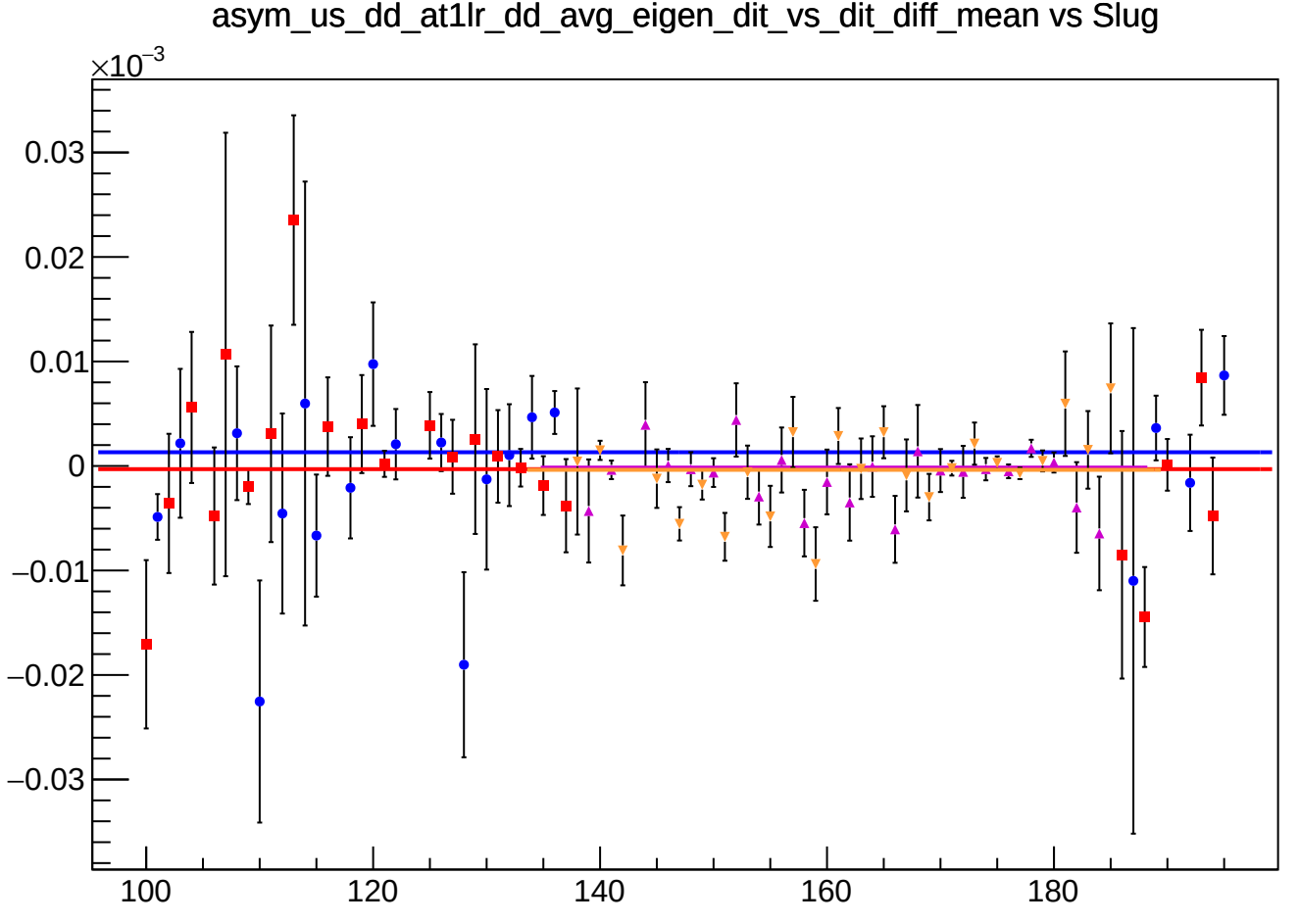
Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.735+/-0.006 χ^2/NDF: 3829281.1/43

All: 42.147+/-0.004 χ^2/NDF: 7316896.6/89

- sign 42.566+/-0.006 χ^2/NDF: 3478938.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

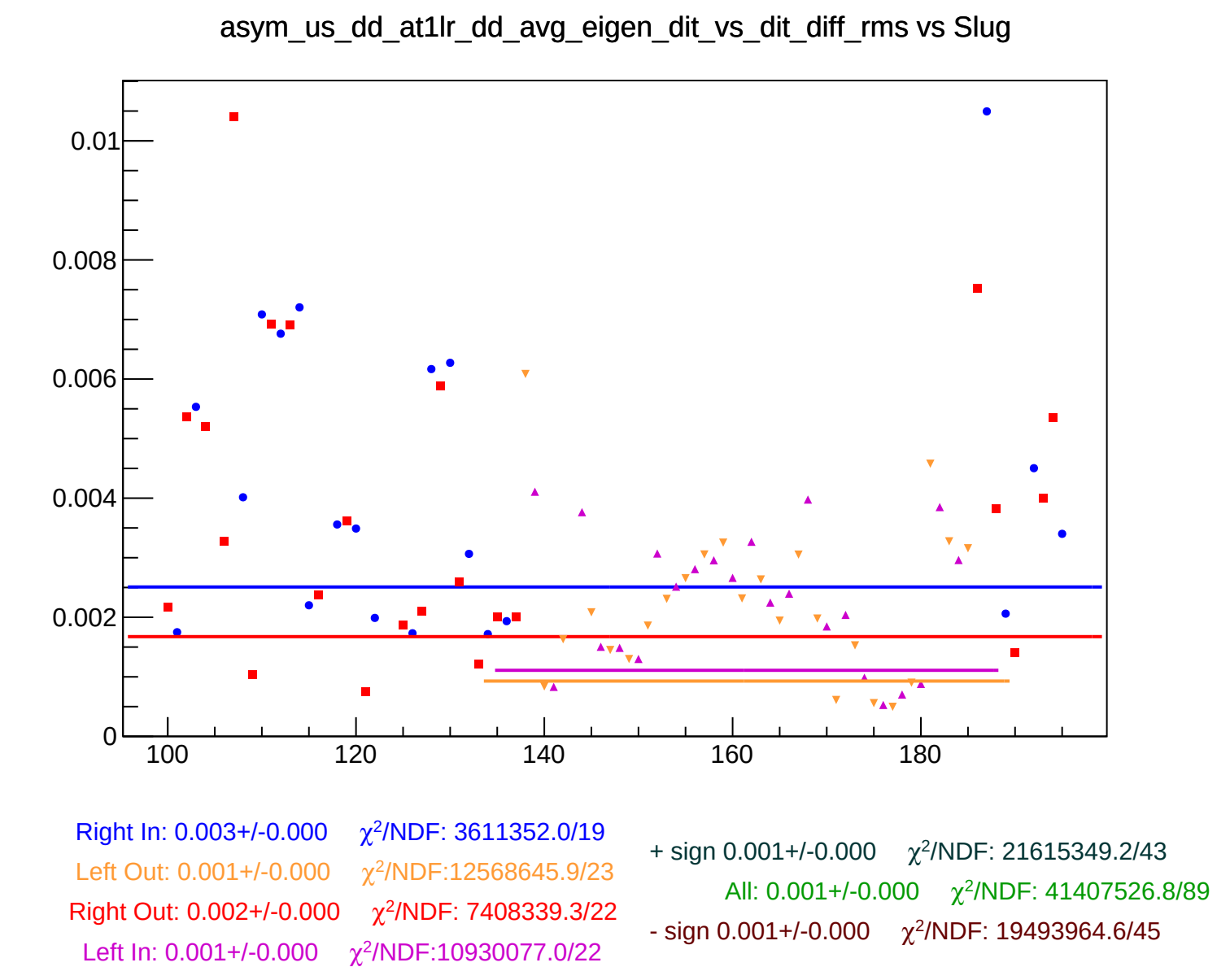
Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/22

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: 137.2/89

- sign -0.000+/-0.000 χ^2/NDF: 51.0/45


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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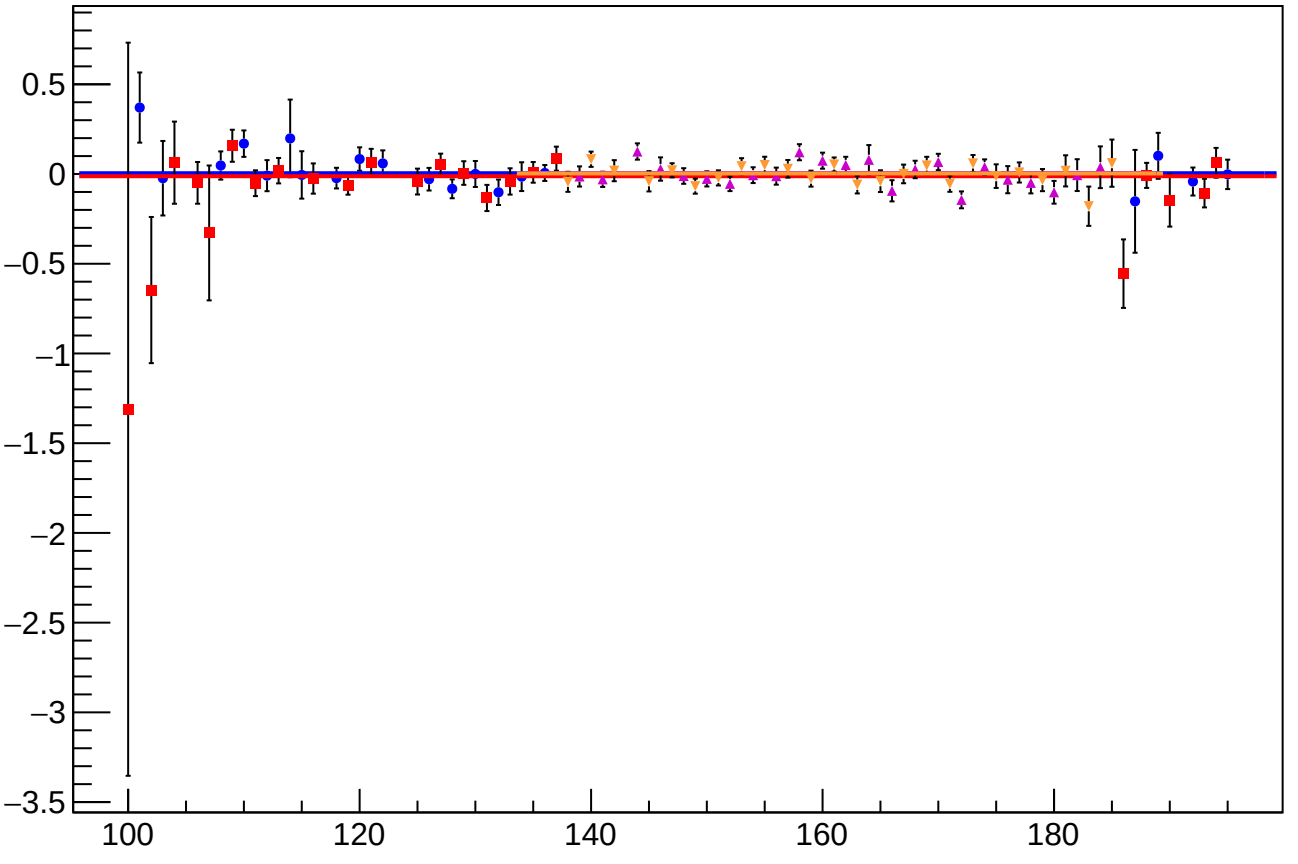
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 3611352.0/19
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 7408339.3/22
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 21615349.2/43
All: 0.001+/-0.000 χ²/NDF: 41407526.8/89
- sign 0.001+/-0.000 χ²/NDF: 19493964.6/45



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

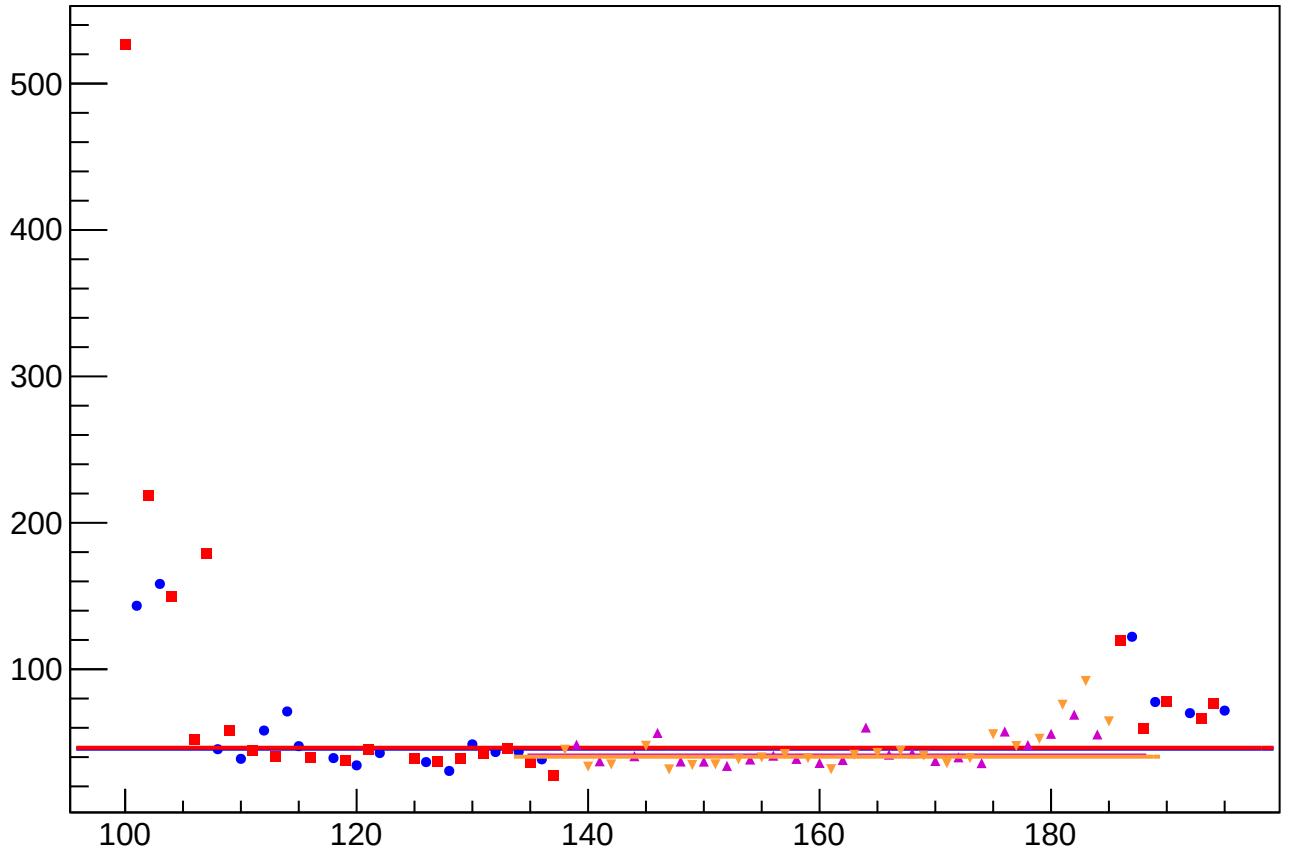
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

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: 110.2/89

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 45.739+/-0.012 χ^2/NDF: 2192324.2/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

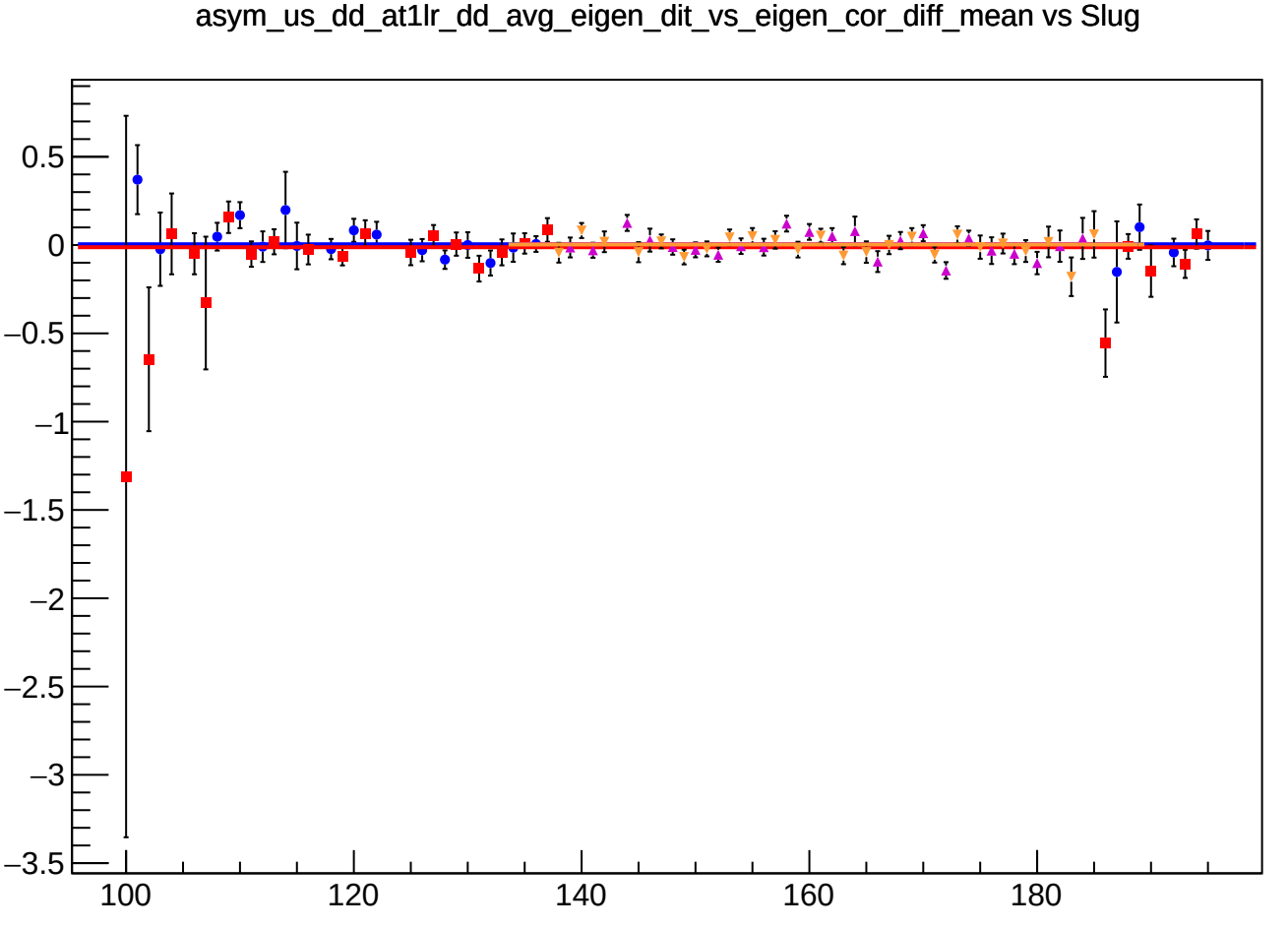
Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 41.735+/-0.006 χ^2/NDF: 3829455.0/43

All: 42.147+/-0.004 χ^2/NDF: 7317161.1/89

- sign 42.567+/-0.006 χ^2/NDF: 3479015.4/45



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

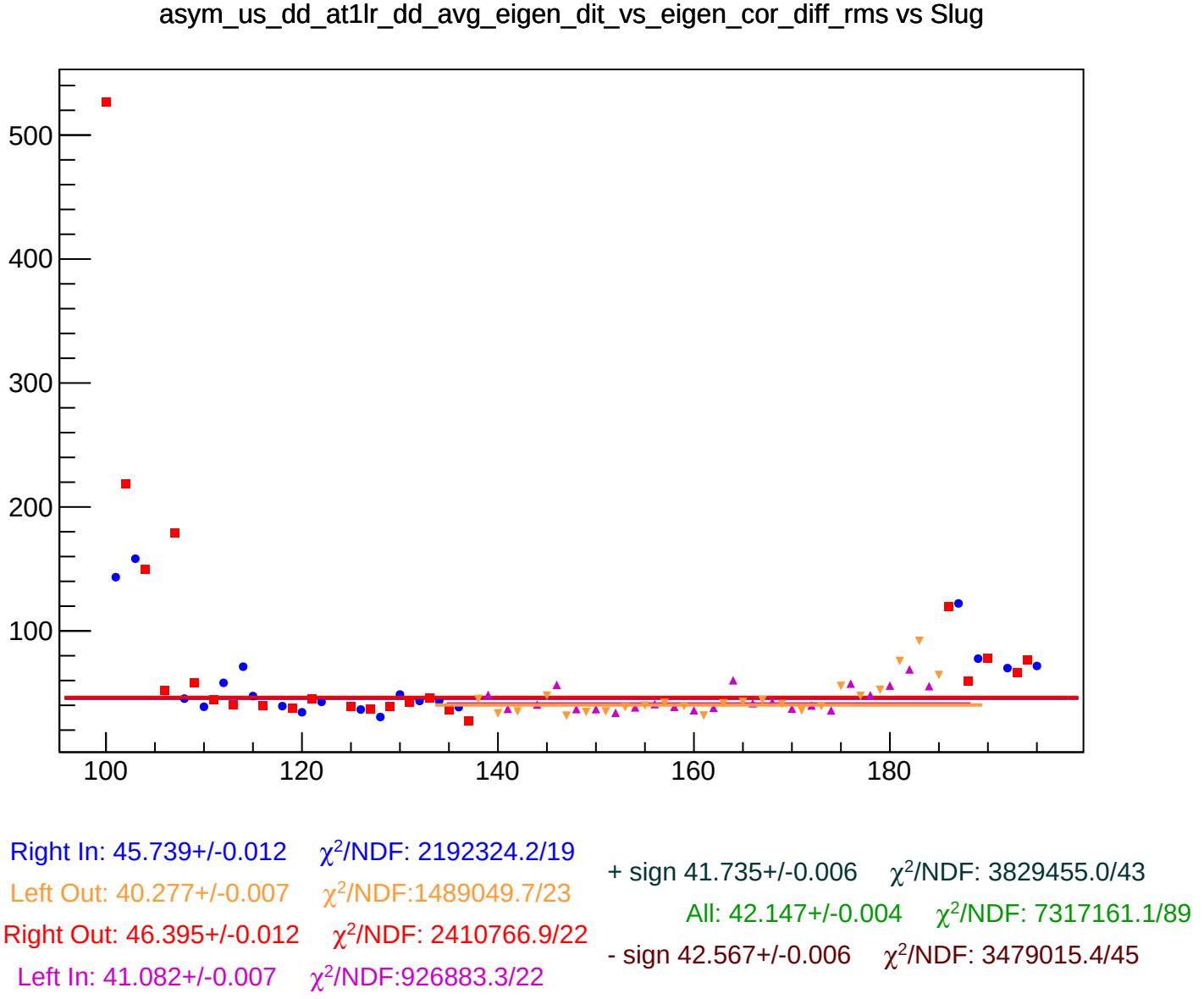
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

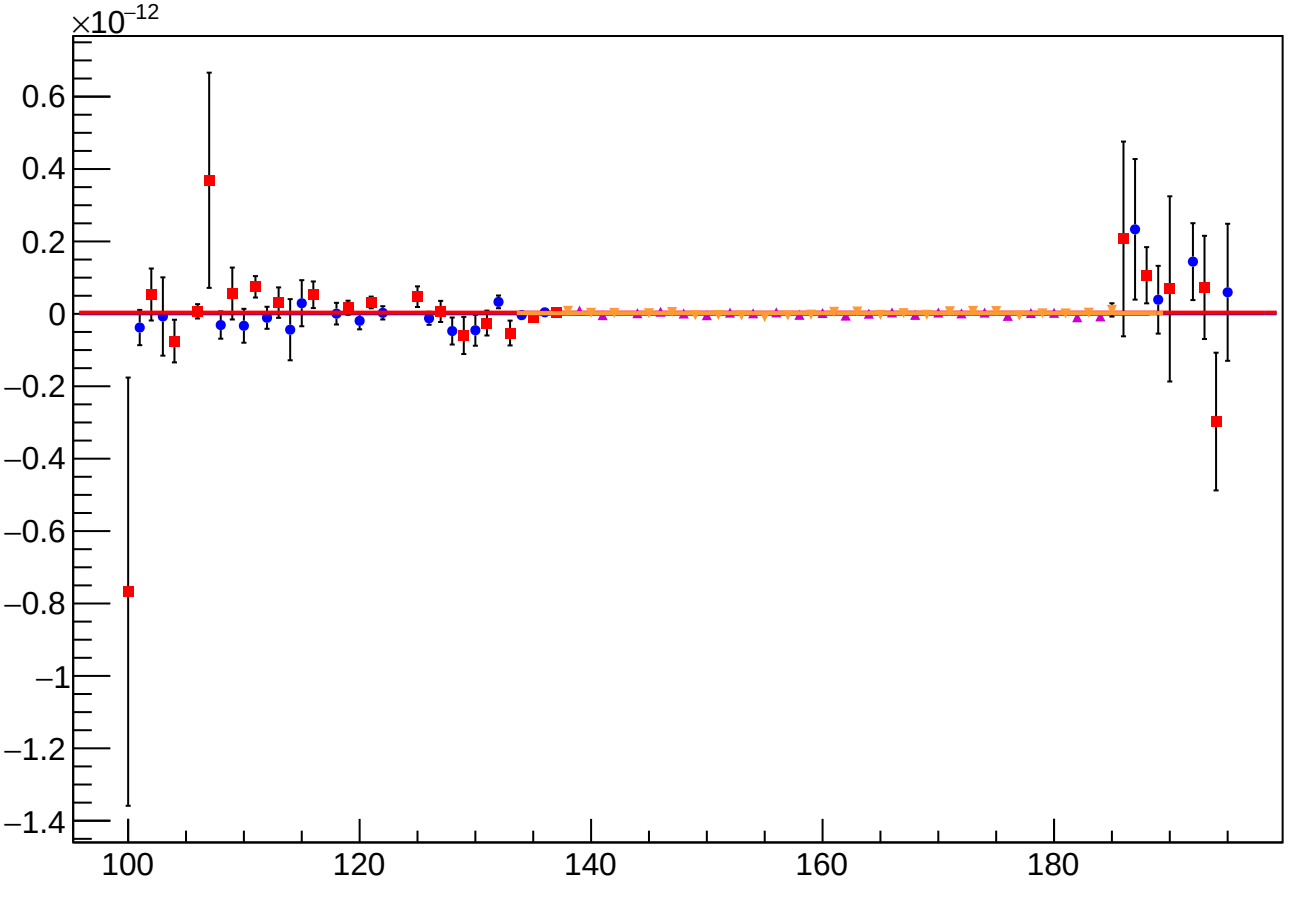
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/43

All: 0.002+/-0.006 χ^2/NDF: 110.2/89

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45


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
Right In: 45.739+/-0.012 χ²/NDF: 2192324.2/19
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 46.395+/-0.012 χ²/NDF: 2410766.9/22
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 41.735+/-0.006 χ²/NDF: 3829455.0/43
All: 42.147+/-0.004 χ²/NDF: 7317161.1/89
- sign 42.567+/-0.006 χ²/NDF: 3479015.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

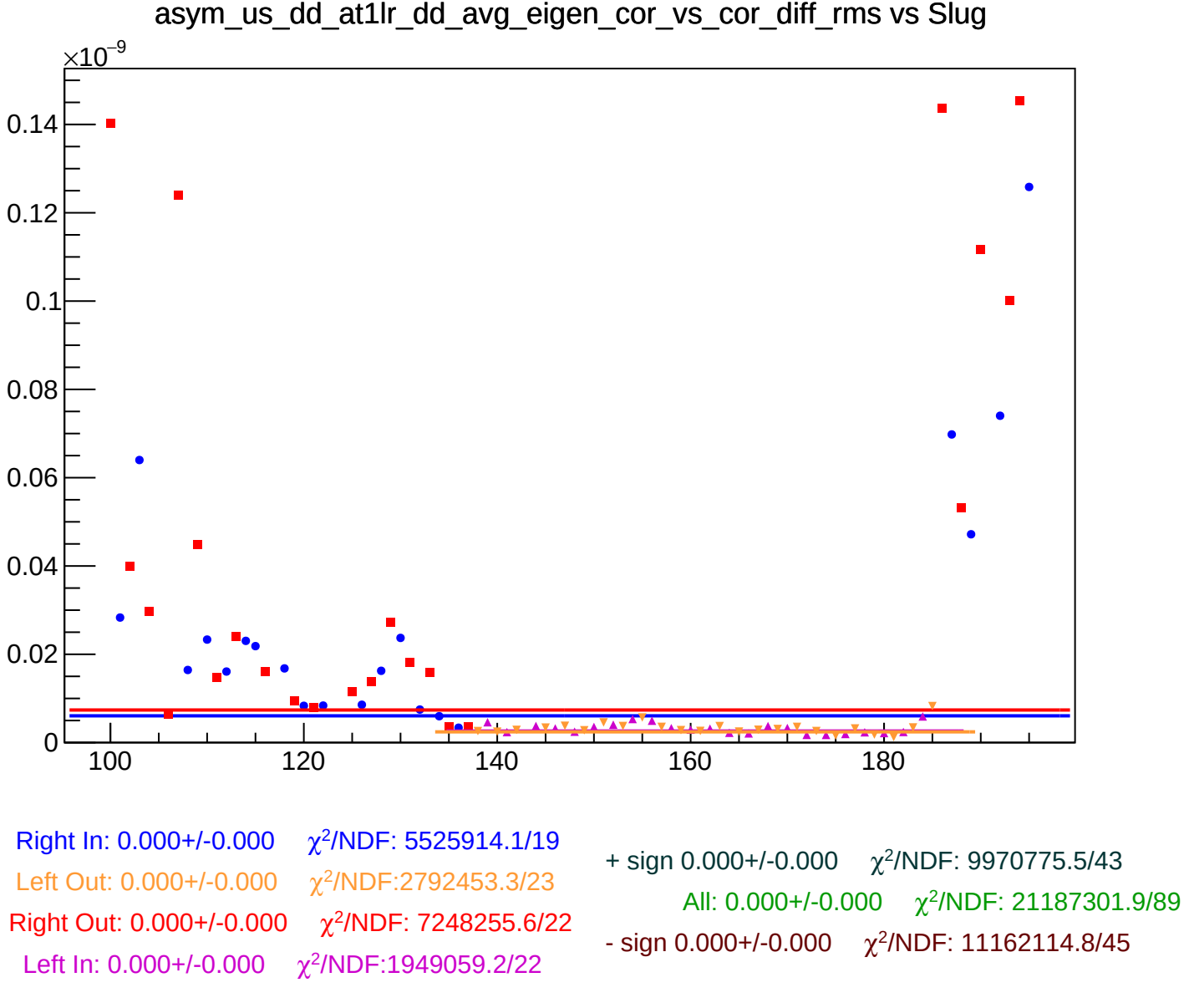
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/22

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

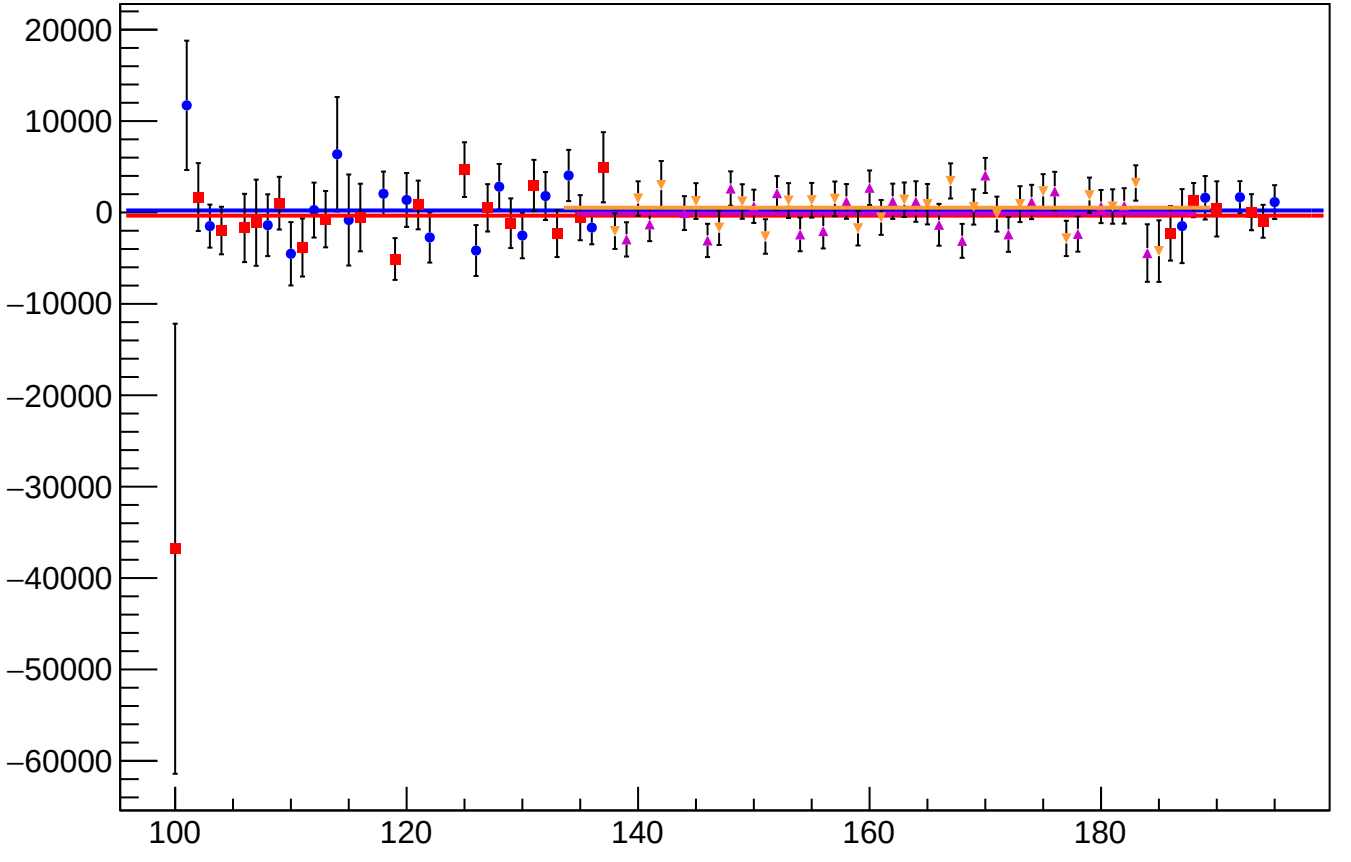
+ sign 0.000+/-0.000 χ^2/NDF: 39.2/43

All: 0.000+/-0.000 χ^2/NDF: 98.7/89

- sign 0.000+/-0.000 χ^2/NDF: 57.5/45


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
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: 7248255.6/22
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: 21187301.9/89
- sign 0.000+/-0.000 χ²/NDF: 11162114.8/45

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: -344.798+/-572.729 χ^2/NDF: 17.4/22

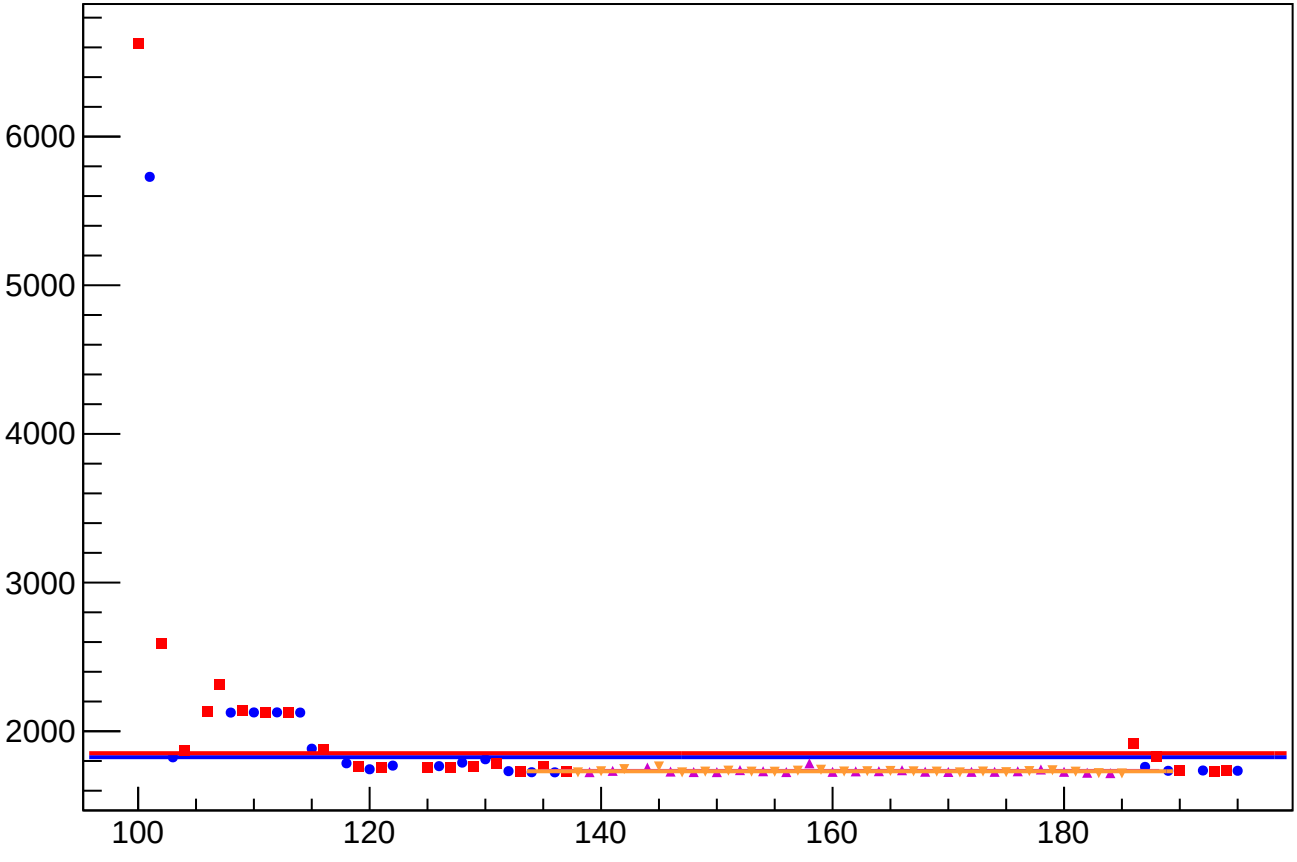
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 424.910+/-332.647 χ^2/NDF: 38.6/43

All: 110.976+/-234.445 χ^2/NDF: 87.3/89

- sign -198.869+/-330.474 χ^2/NDF: 46.9/45

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

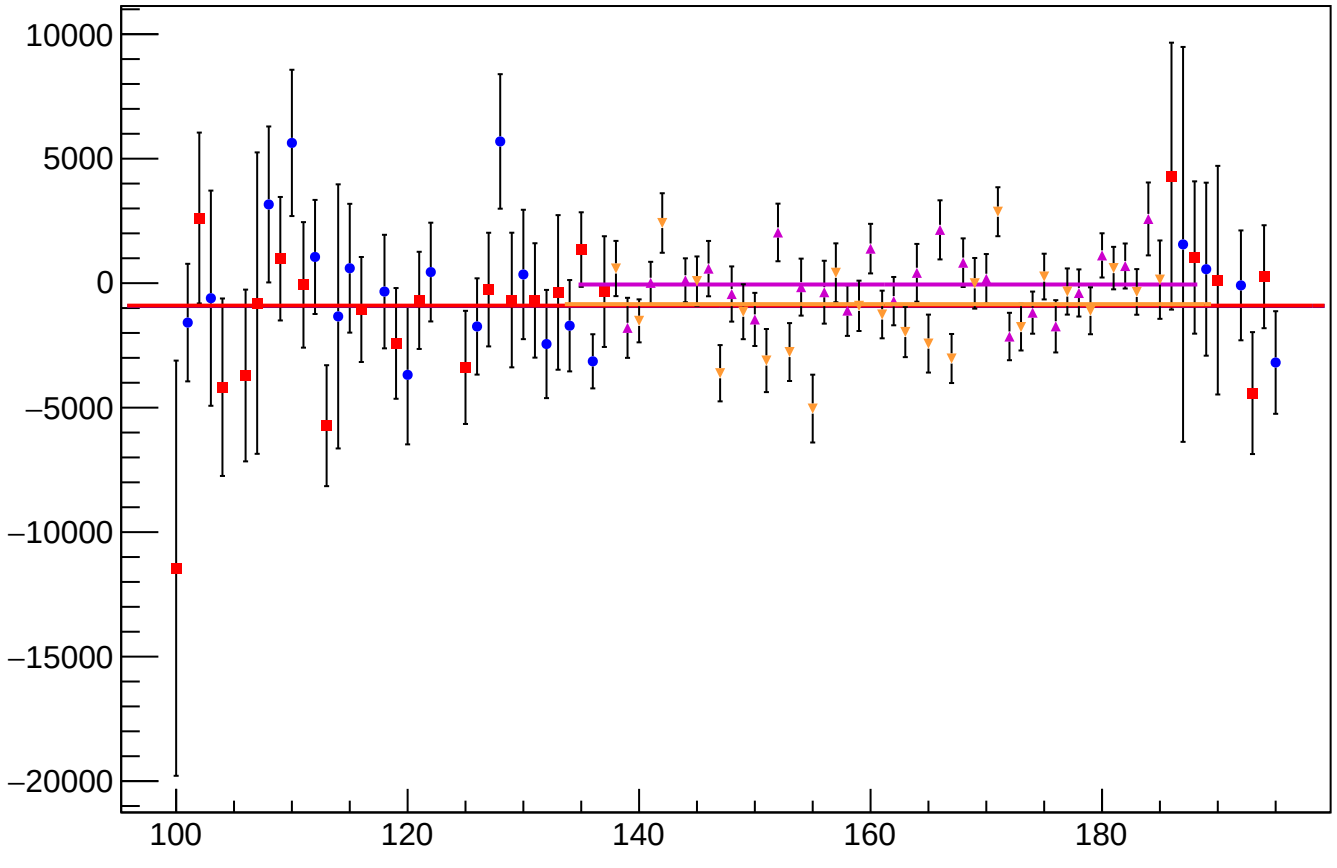
Right Out: 1852.459+/-0.405 χ^2/NDF: 278786.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.2/43

All: 1766.730+/-0.166 χ^2/NDF: 1070238.6/89

- sign 1772.778+/-0.234 χ^2/NDF: 339056.5/45



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: -903.059+/-532.837 χ^2/NDF: 16.7/22

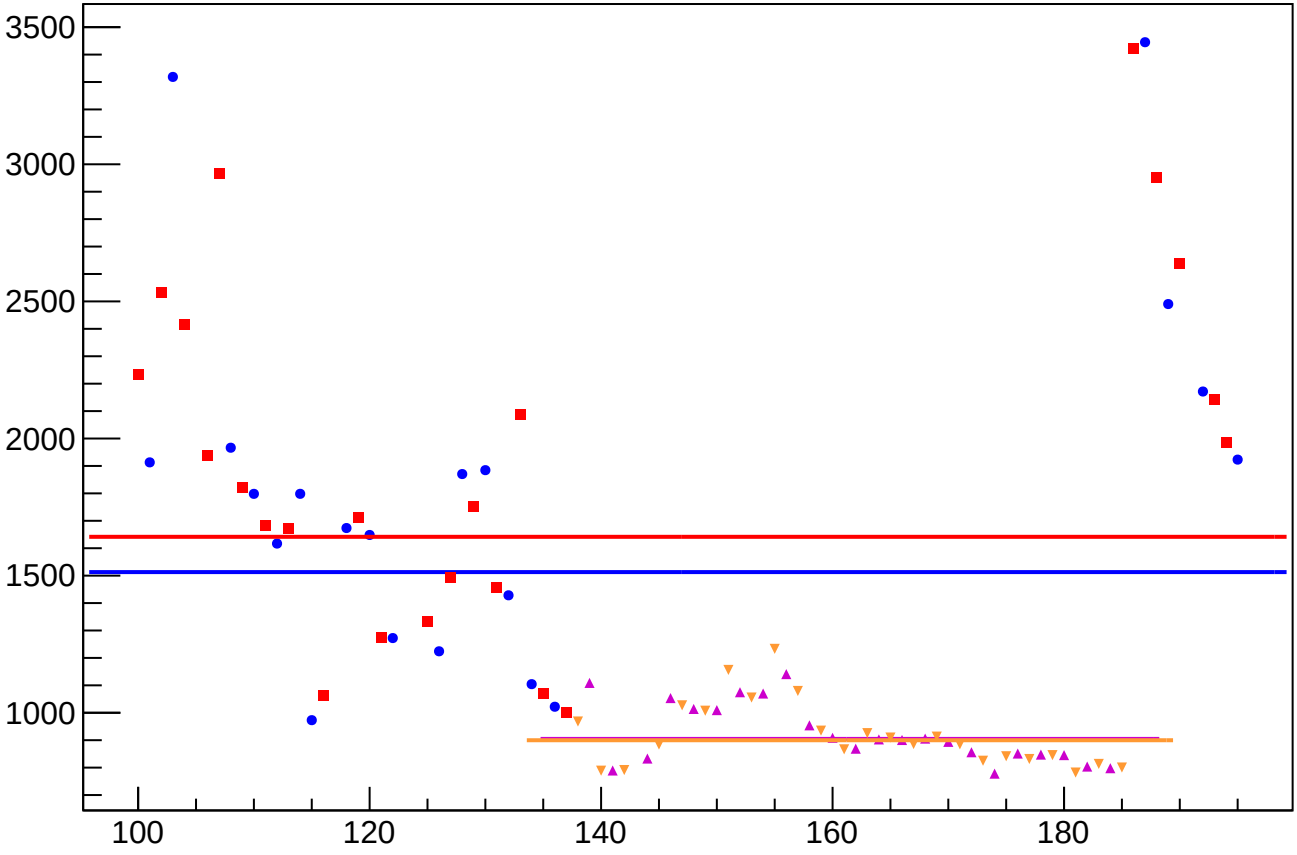
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -853.523+/-194.843 χ^2/NDF: 85.0/43

All: -517.260+/-138.793 χ^2/NDF: 140.5/89

- sign -170.870+/-197.756 χ^2/NDF: 49.5/45

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: 1641.590+/-0.377 χ^2/NDF: 1966630.8/22

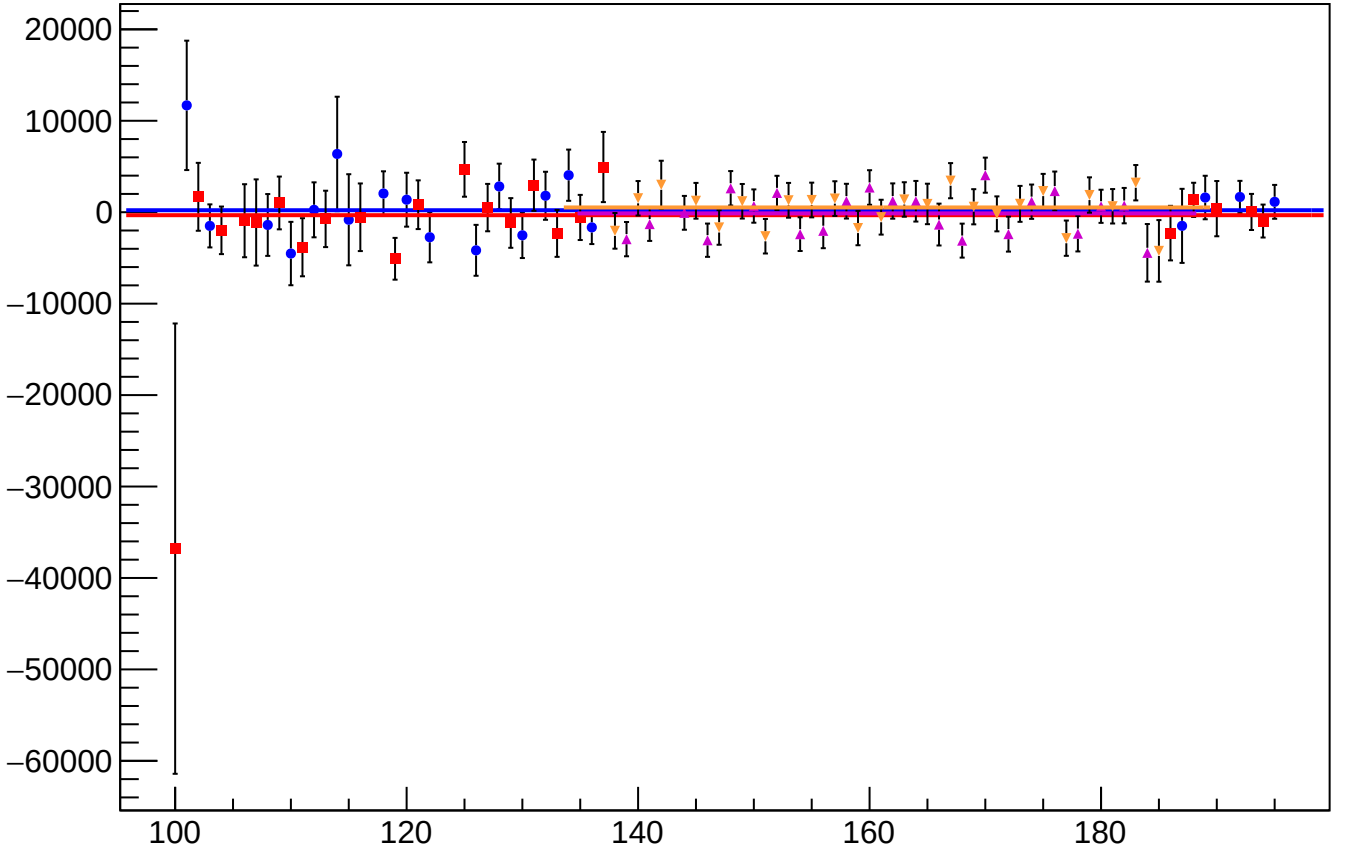
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 989.382+/-0.138 χ^2/NDF: 4739362.4/43

All: 997.648+/-0.098 χ^2/NDF: 10464188.1/89

- sign 1006.163+/-0.140 χ^2/NDF: 5717517.9/45

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: -325.383+/-573.575 χ^2/NDF: 17.2/22

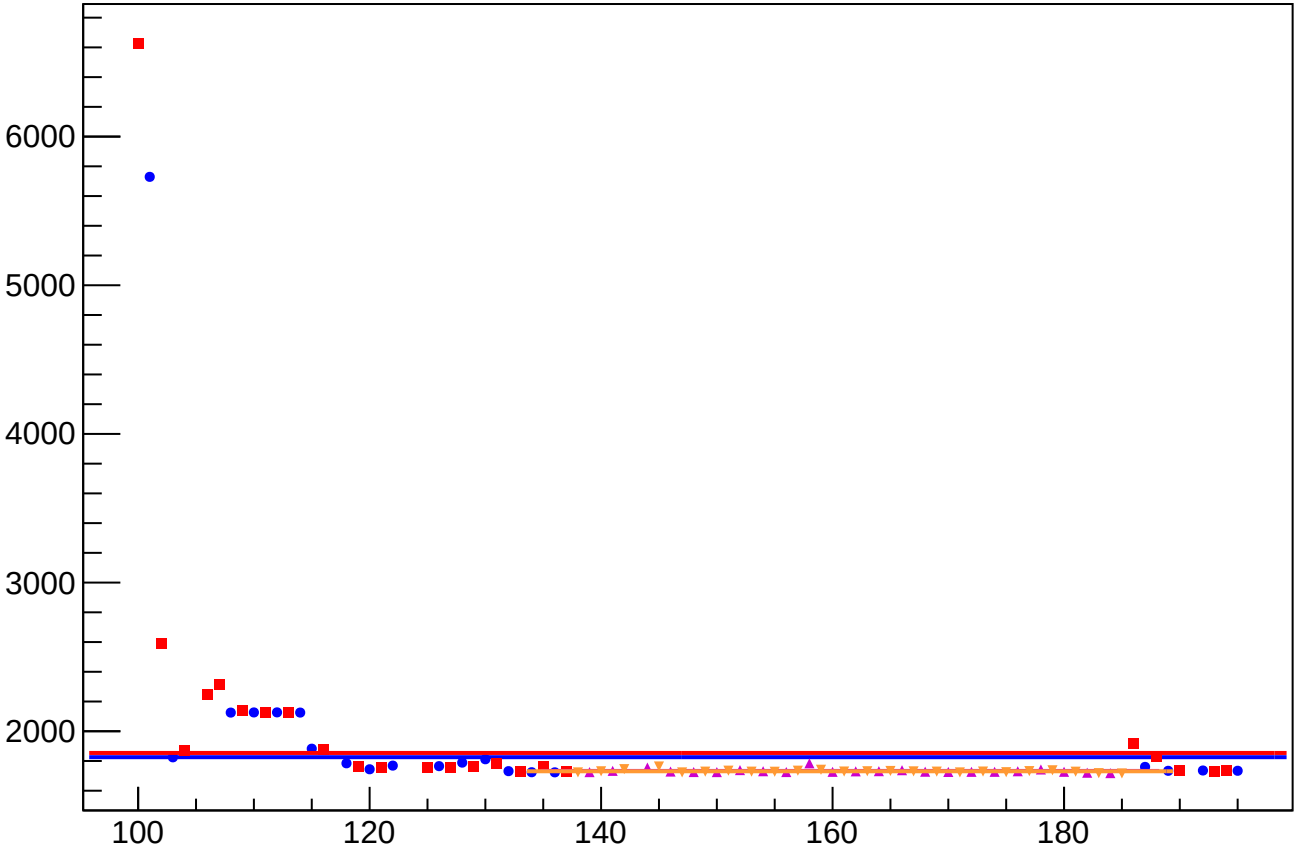
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 424.778+/-332.647 χ^2/NDF: 38.6/43

All: 114.361+/-234.503 χ^2/NDF: 87.1/89

- sign -192.315+/-330.637 χ^2/NDF: 46.8/45

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

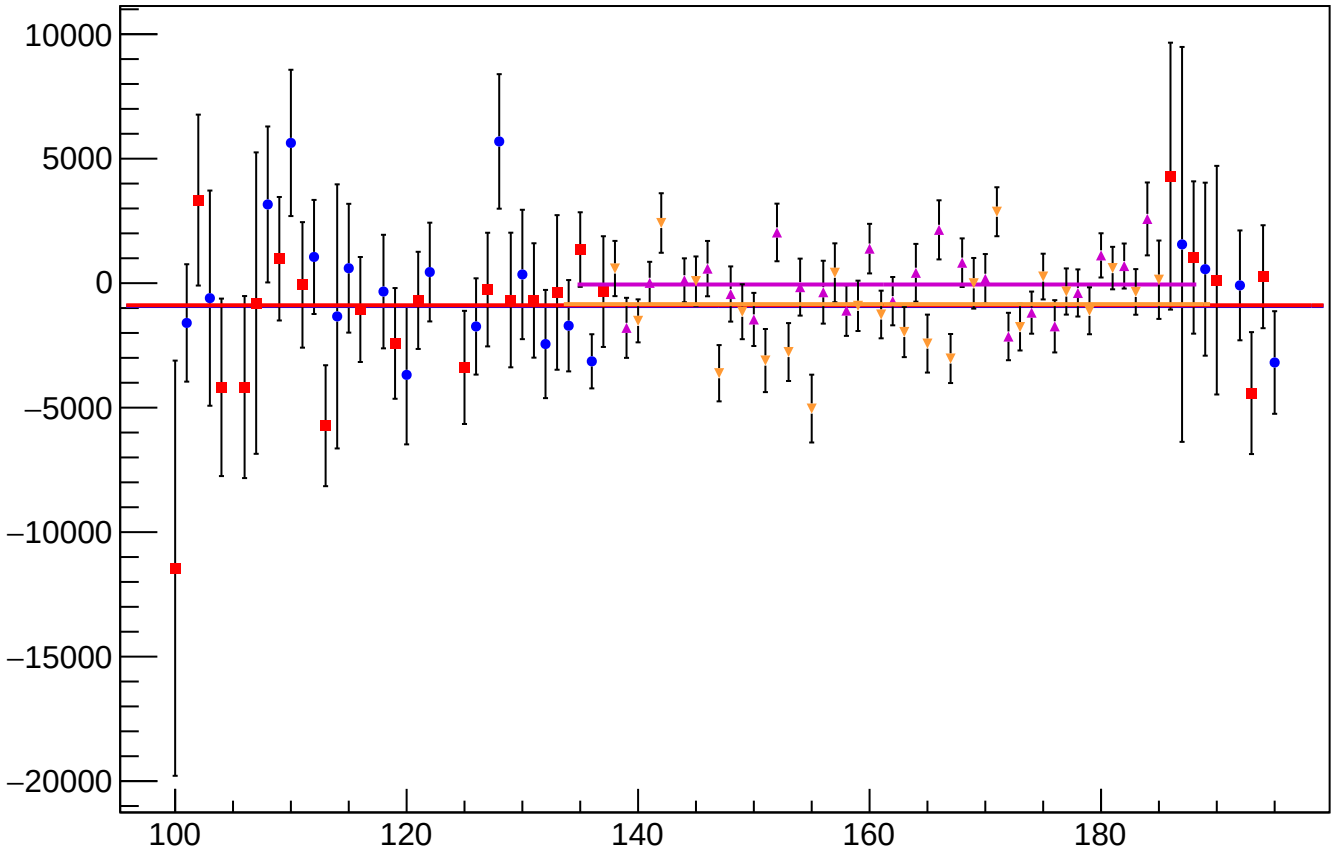
Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.1/43

All: 1766.951+/-0.166 χ^2/NDF: 1080242.0/89

- sign 1773.225+/-0.234 χ^2/NDF: 348959.9/45



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: -888.357+/-533.535 χ^2/NDF: 17.3/22

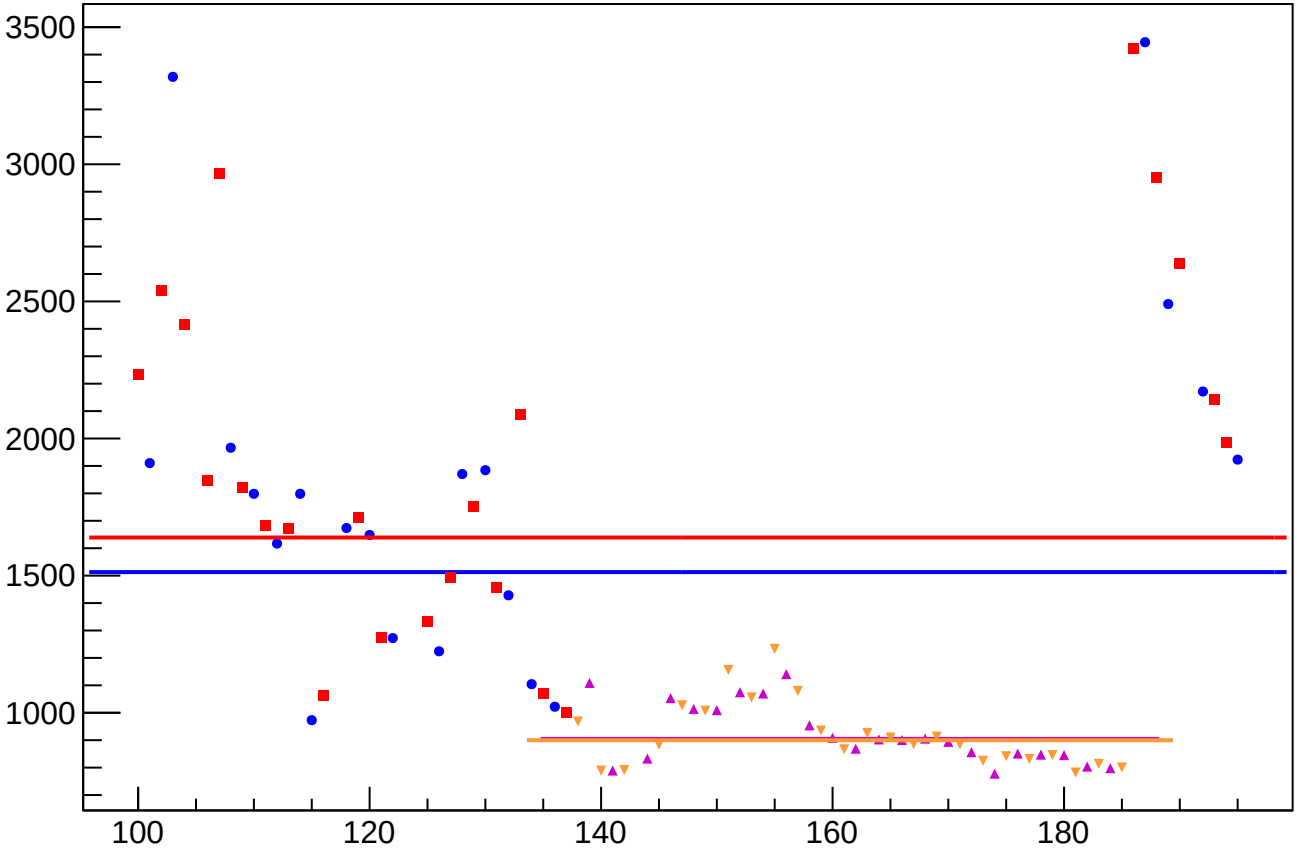
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -853.652+/-194.842 χ^2/NDF: 85.0/43

All: -516.273+/-138.805 χ^2/NDF: 141.1/89

- sign -168.604+/-197.791 χ^2/NDF: 50.0/45

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: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

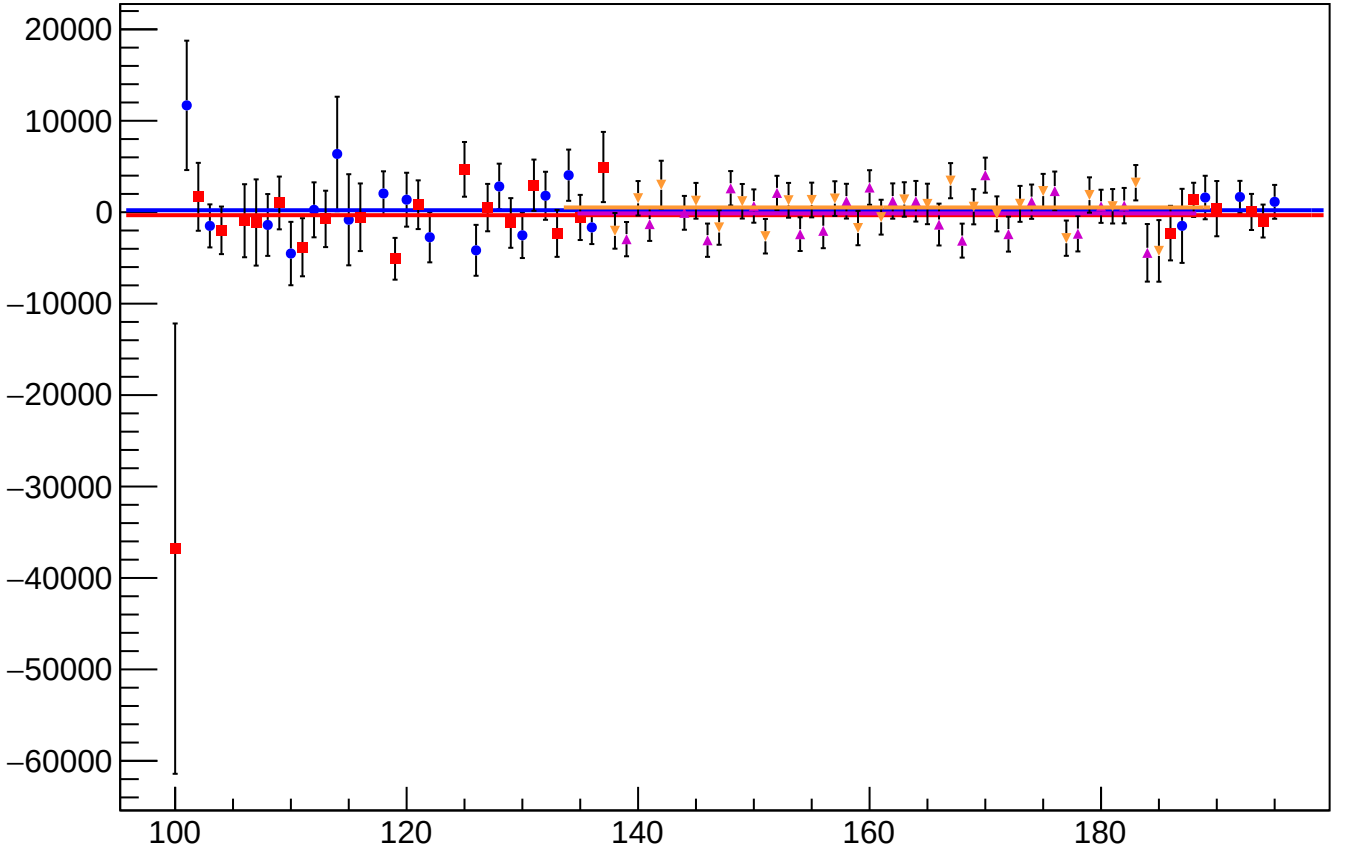
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 989.383+/-0.138 χ^2/NDF: 4738391.0/43

All: 997.352+/-0.098 χ^2/NDF: 10424529.3/89

- sign 1005.564+/-0.140 χ^2/NDF: 5679345.2/45

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: -325.383+/-573.575 χ^2/NDF: 17.2/22

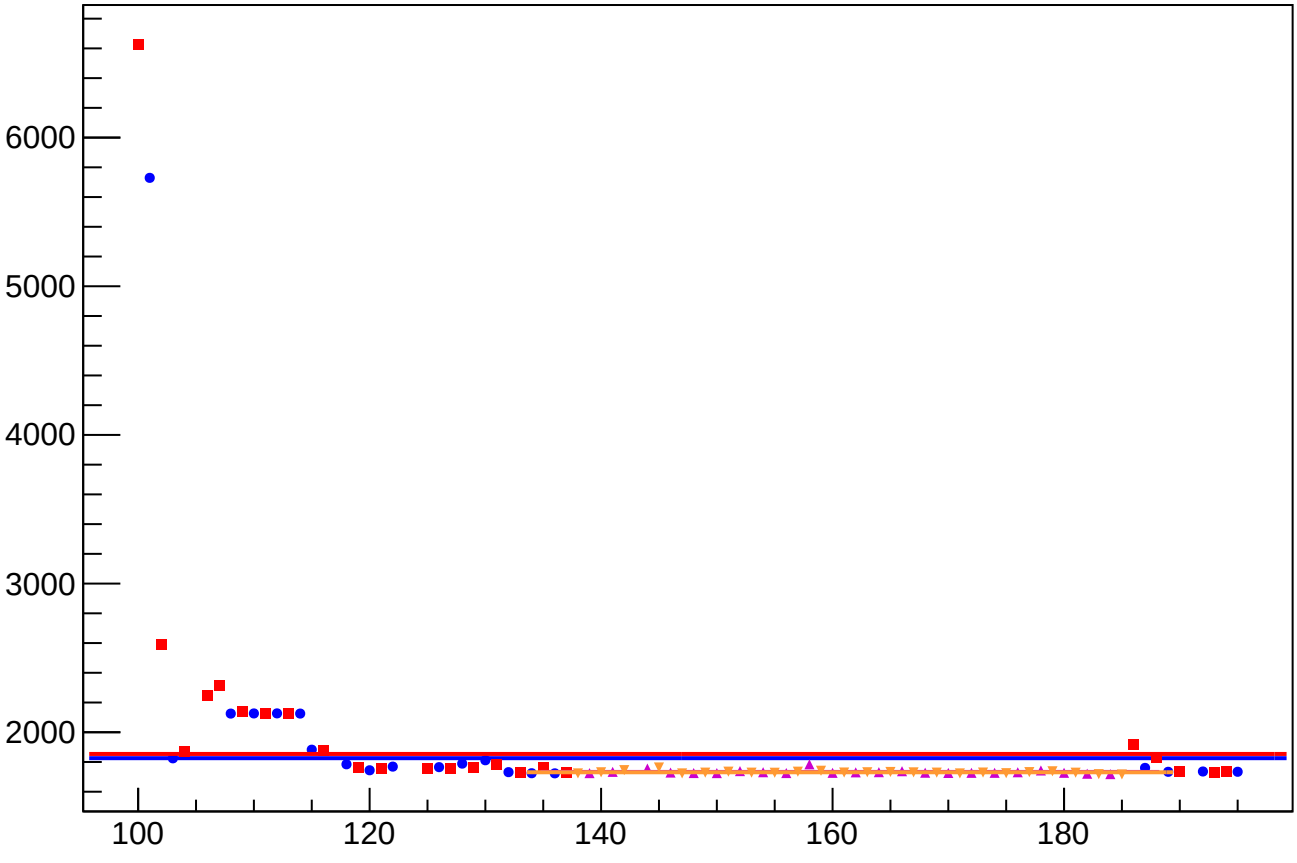
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 424.778+/-332.647 χ^2/NDF: 38.6/43

All: 114.361+/-234.503 χ^2/NDF: 87.1/89

- sign -192.315+/-330.637 χ^2/NDF: 46.8/45

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

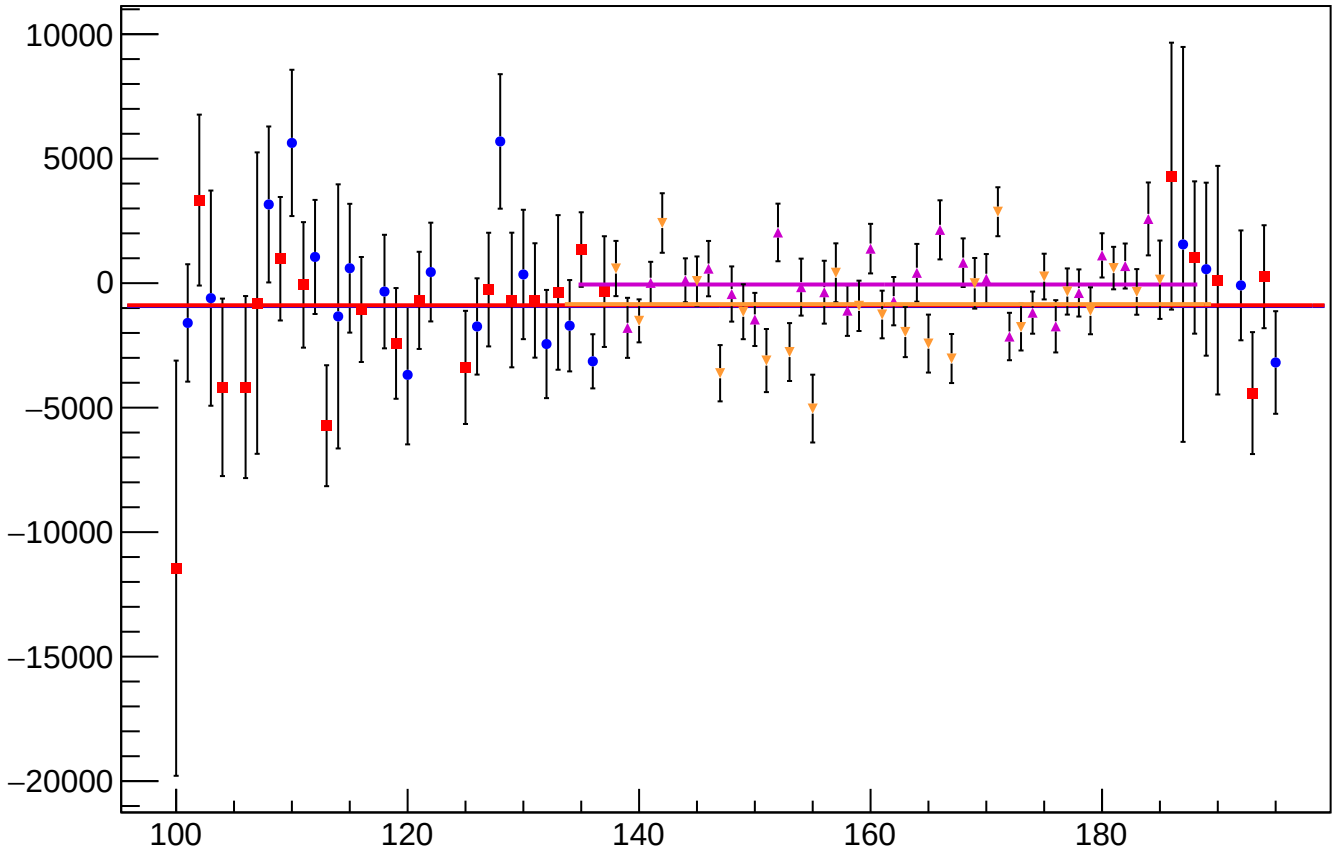
Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.601+/-0.235 χ^2/NDF: 729833.1/43

All: 1766.951+/-0.166 χ^2/NDF: 1080242.0/89

- sign 1773.225+/-0.234 χ^2/NDF: 348959.9/45



Right In: -918.986+/-509.744 χ^2/NDF: 22.3/19

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

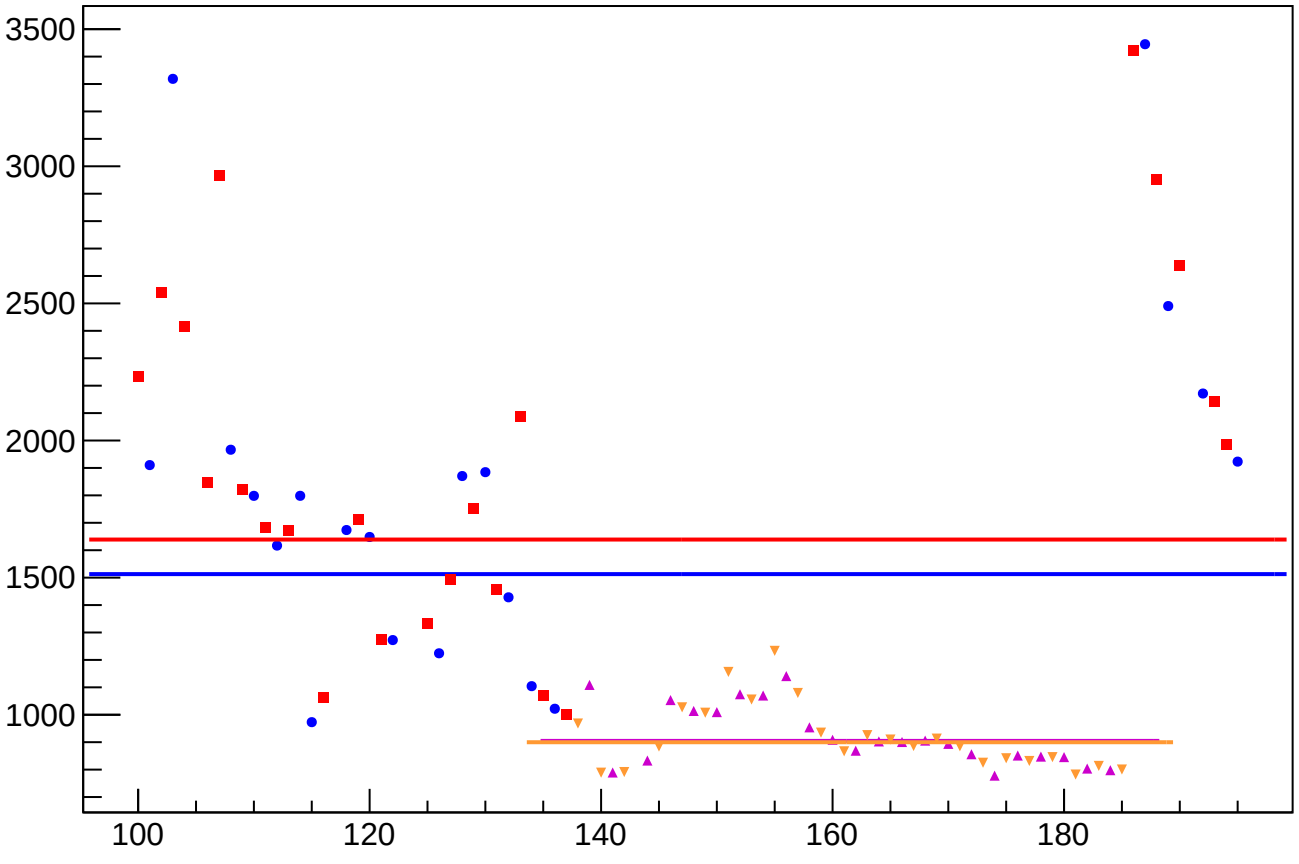
Right Out: -888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -853.652+/-194.842 χ^2/NDF: 85.0/43

All: -516.273+/-138.805 χ^2/NDF: 141.1/89

- sign -168.604+/-197.791 χ^2/NDF: 50.0/45



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: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

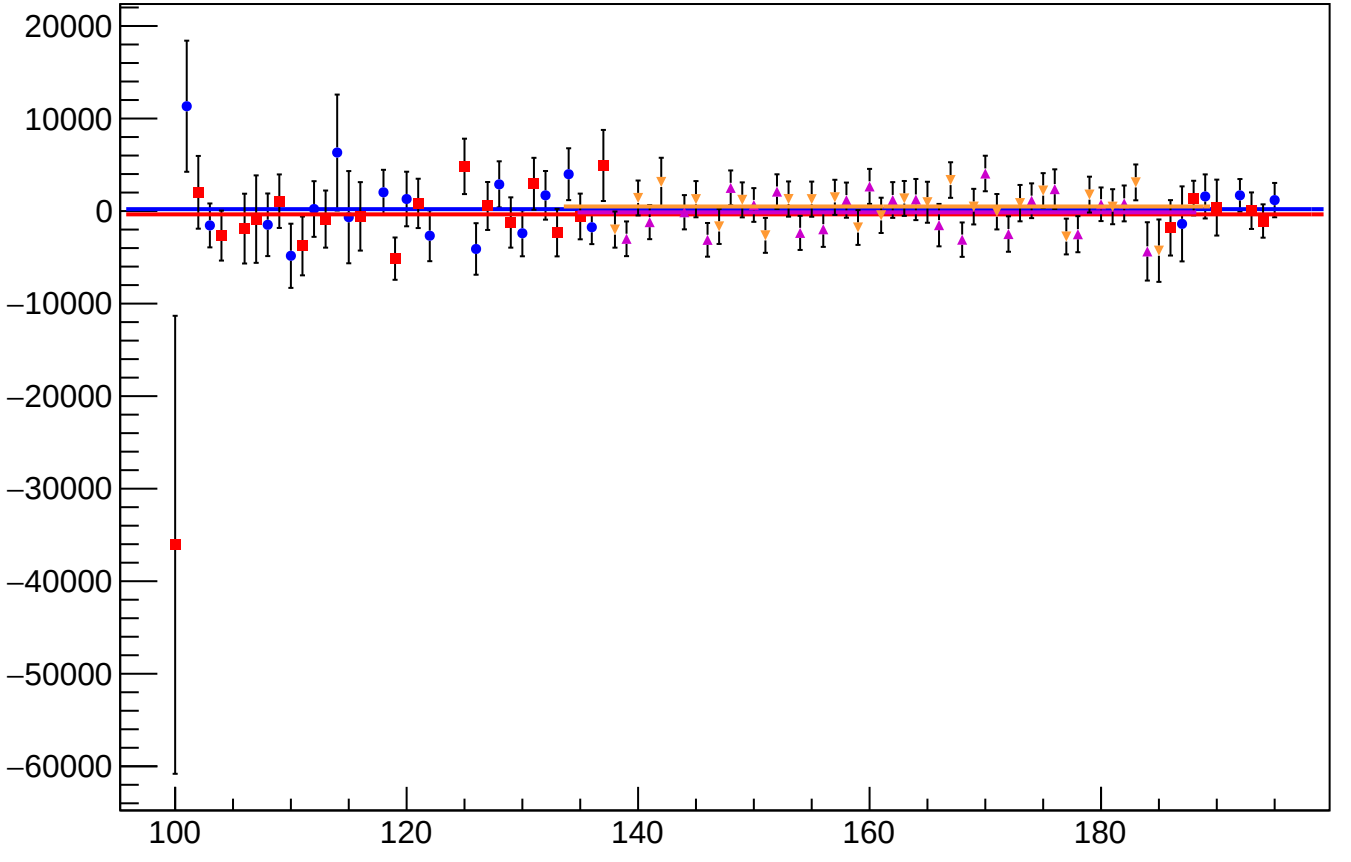
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 989.383+/-0.138 χ^2/NDF: 4738391.0/43

All: 997.352+/-0.098 χ^2/NDF: 10424529.3/89

- sign 1005.564+/-0.140 χ^2/NDF: 5679345.2/45

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: -356.087+/-574.981 χ^2/NDF: 17.8/22

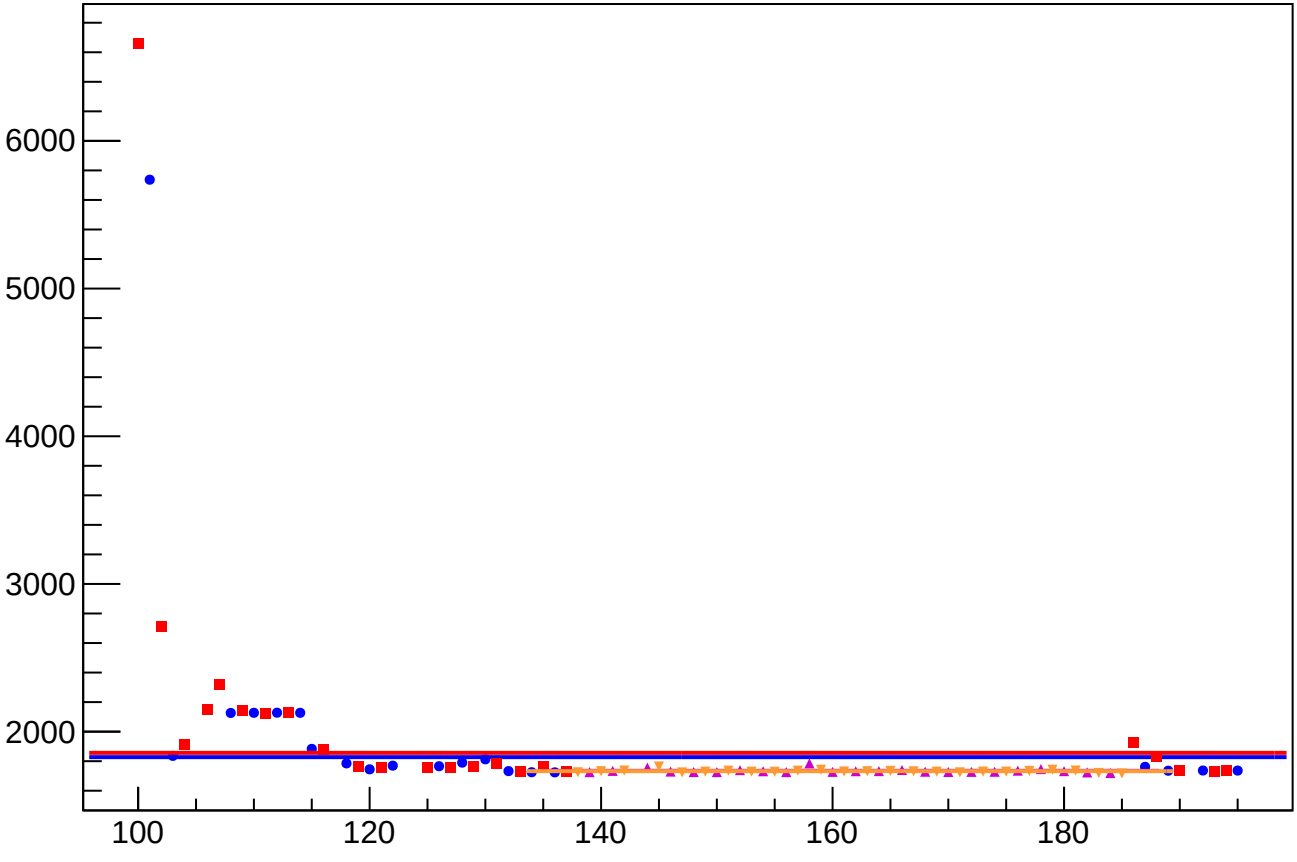
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 404.431+/-332.966 χ^2/NDF: 37.8/43

All: 95.615+/-234.782 χ^2/NDF: 87.0/89

- sign -209.759+/-331.105 χ^2/NDF: 47.5/45

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

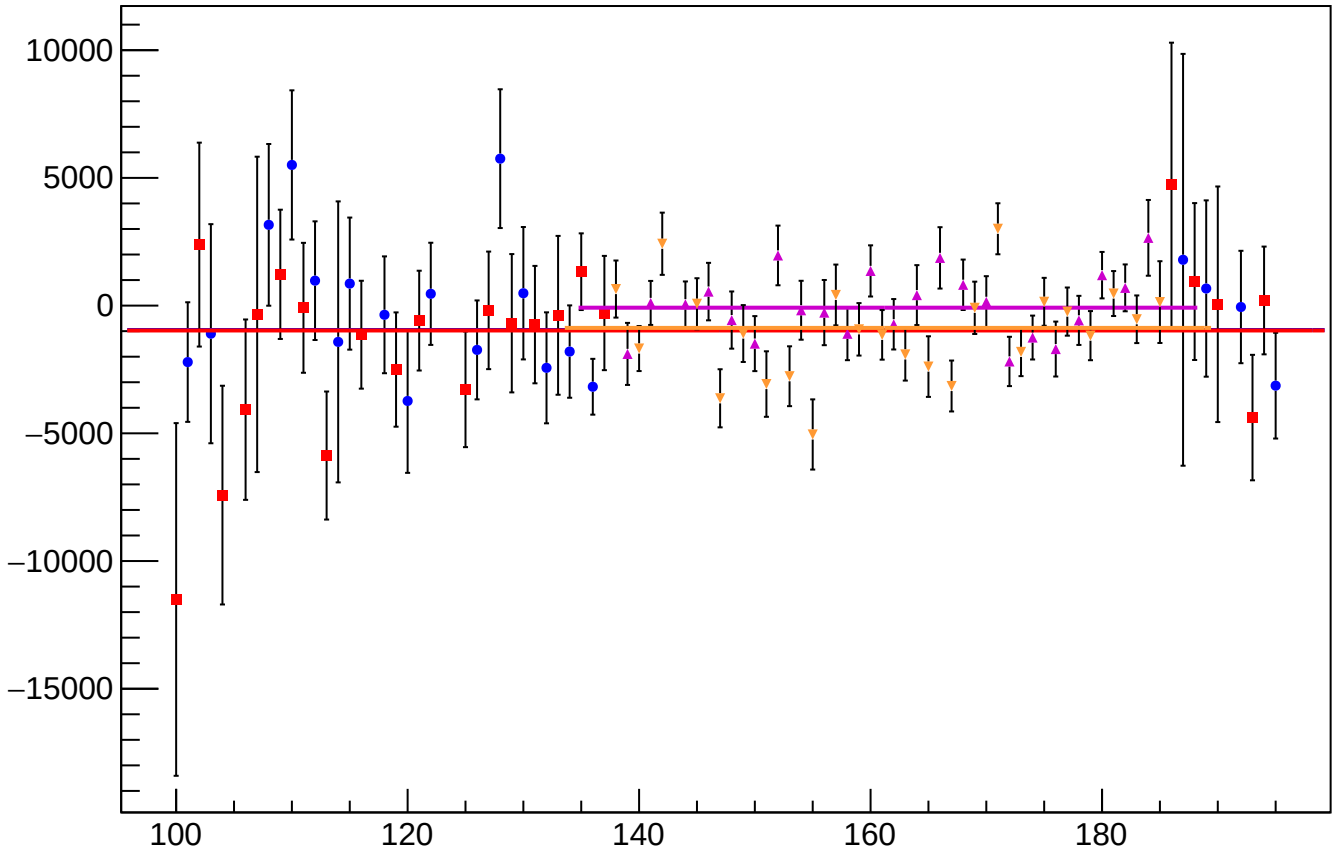
Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.3/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.196+/-0.235 χ^2/NDF: 730242.5/43

All: 1768.633+/-0.166 χ^2/NDF: 1092027.3/89

- sign 1774.998+/-0.234 χ^2/NDF: 360298.2/45



Right In: -954.700+/-510.641 χ^2/NDF: 22.6/19

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

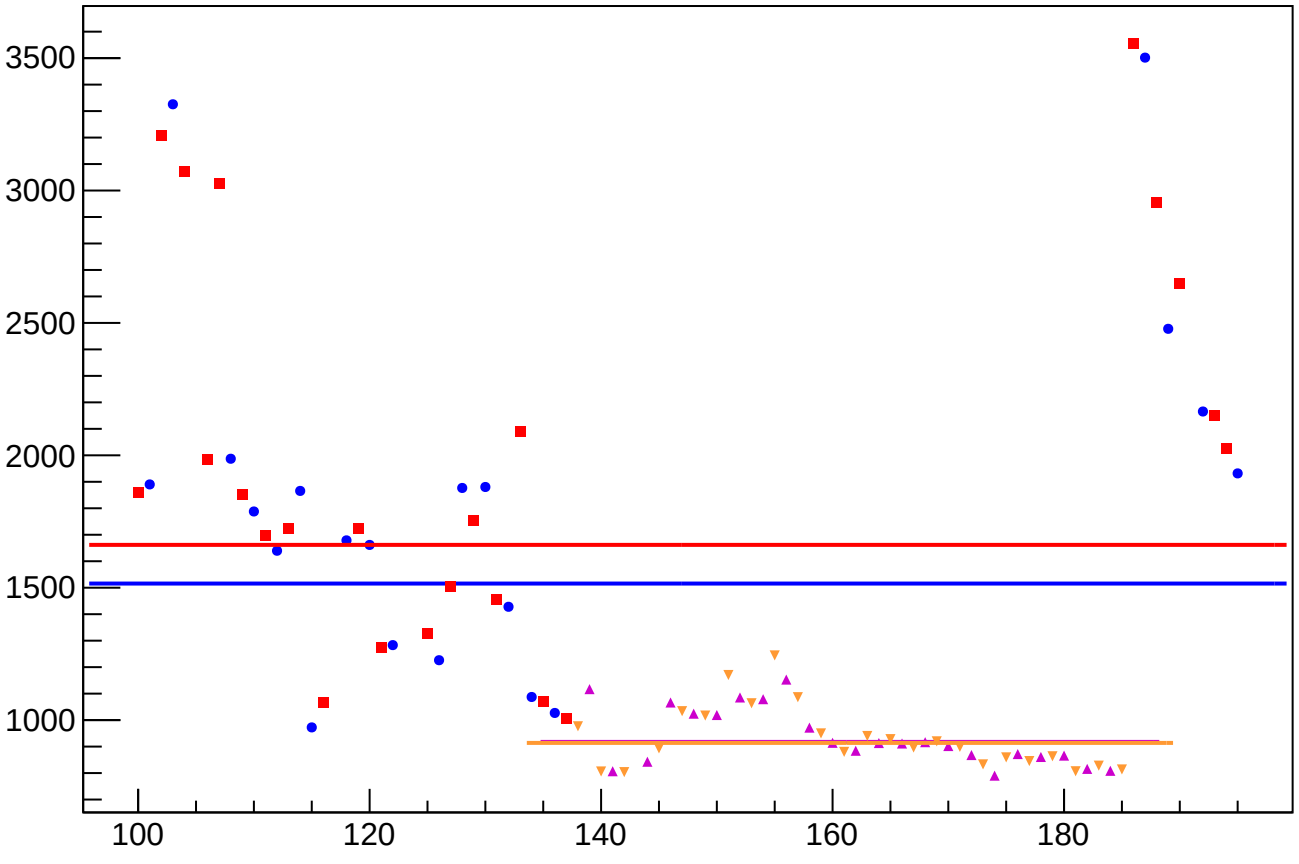
Right Out: -973.284+/-539.710 χ^2/NDF: 18.7/22

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -885.059+/-197.375 χ^2/NDF: 84.6/43

All: -550.093+/-140.646 χ^2/NDF: 141.5/89

- sign -204.550+/-200.467 χ^2/NDF: 51.0/45



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: 1661.773+/-0.382 χ^2/NDF: 2292310.5/22

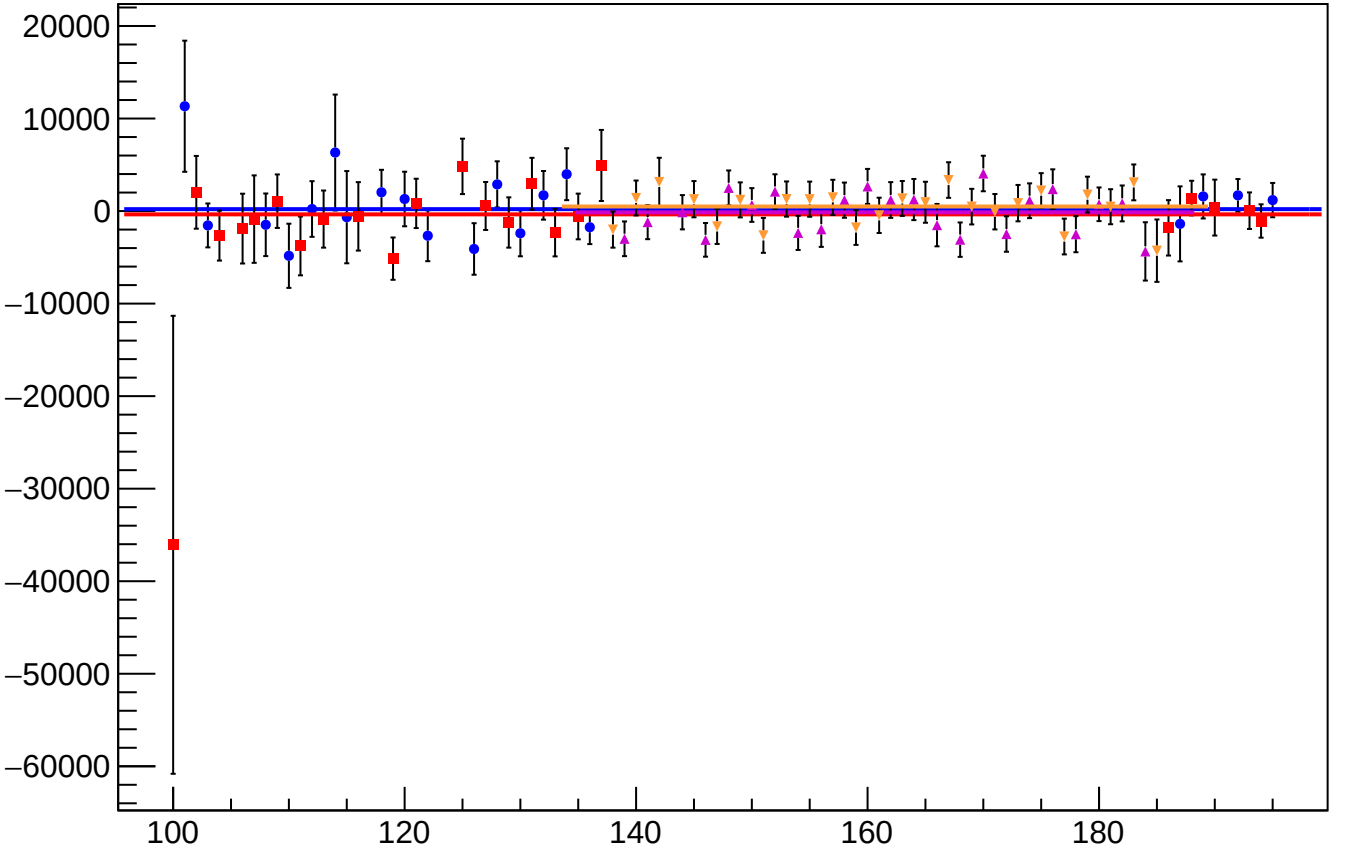
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1003.809+/-0.140 χ^2/NDF: 4606712.4/43

All: 1011.942+/-0.099 χ^2/NDF: 10613568.1/8

- sign 1020.332+/-0.142 χ^2/NDF: 5999956.6/45

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

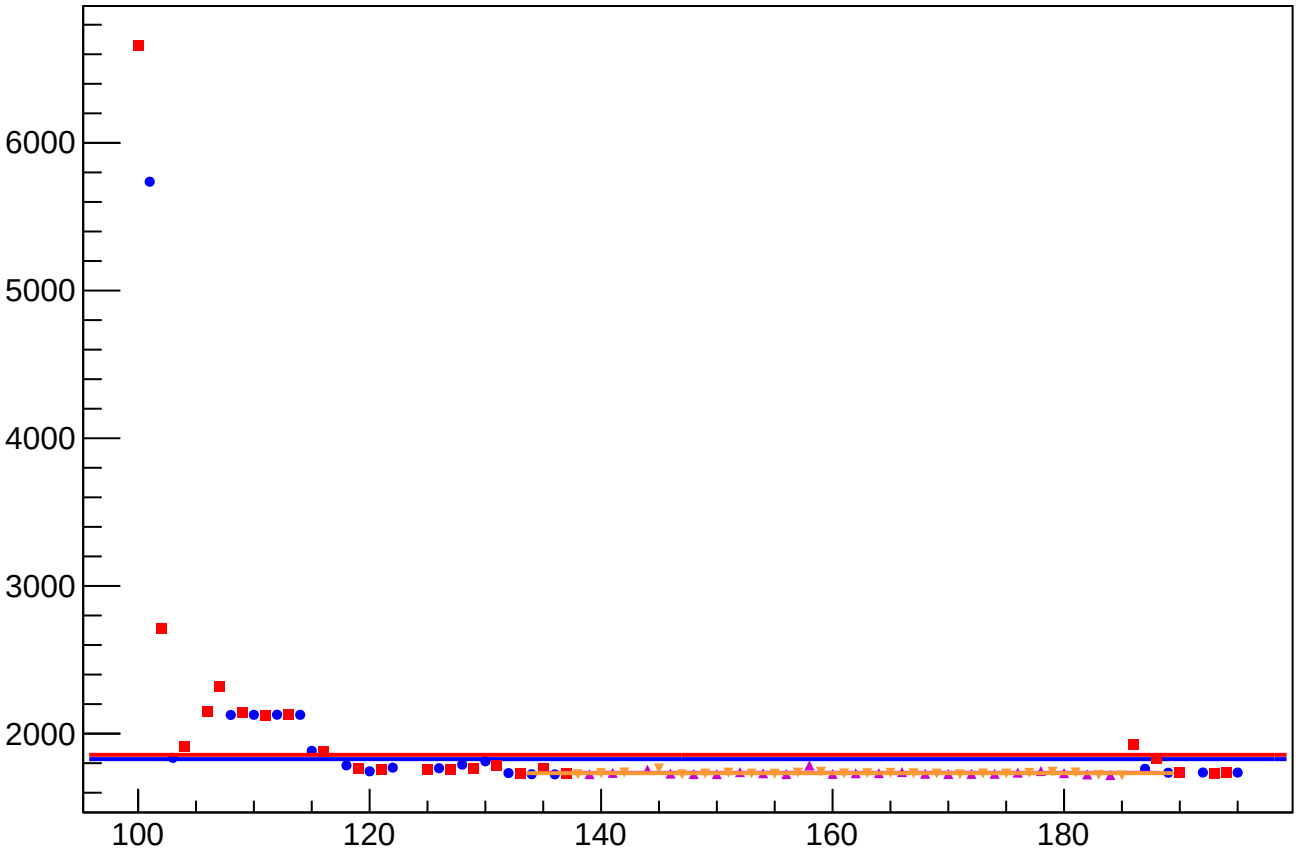
Right Out: -356.085+/-574.981 χ^2/NDF: 17.8/22

Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 404.431+/-332.966 χ^2/NDF: 37.8/43

All: 95.615+/-234.782 χ^2/NDF: 87.0/89

- sign -209.759+/-331.105 χ^2/NDF: 47.5/45



Right In: 1827.255+/-0.420 χ^2/NDF: 694348.2/19

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

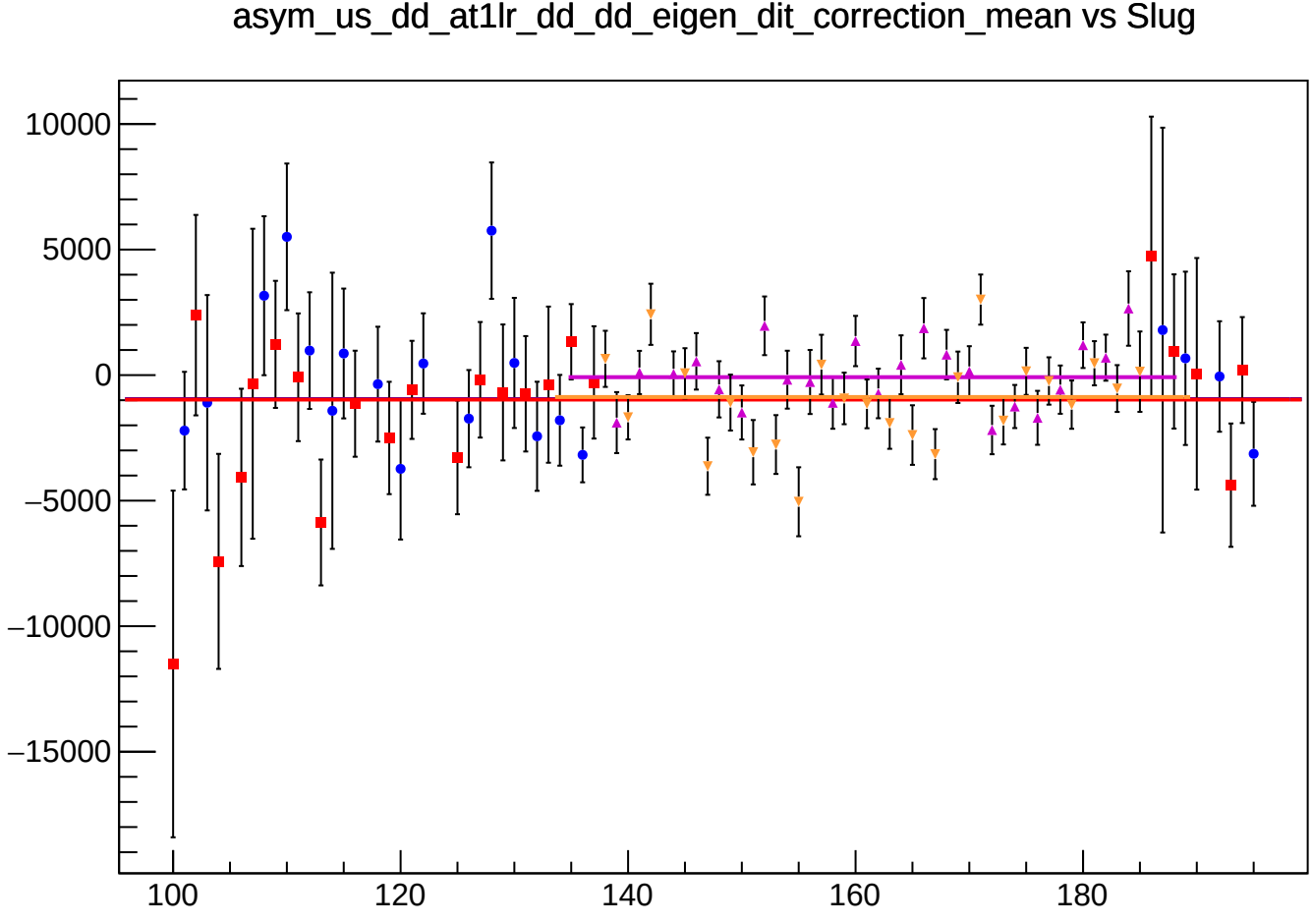
Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.1/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

\+ sign 1762.196+/-0.235 χ^2/NDF: 730242.5/43

All: 1768.633+/-0.166 χ^2/NDF: 1092027.0/89

\- sign 1774.998+/-0.234 χ^2/NDF: 360297.9/45



Right In: -954.694+/-510.640 χ^2/NDF: 22.6/19

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

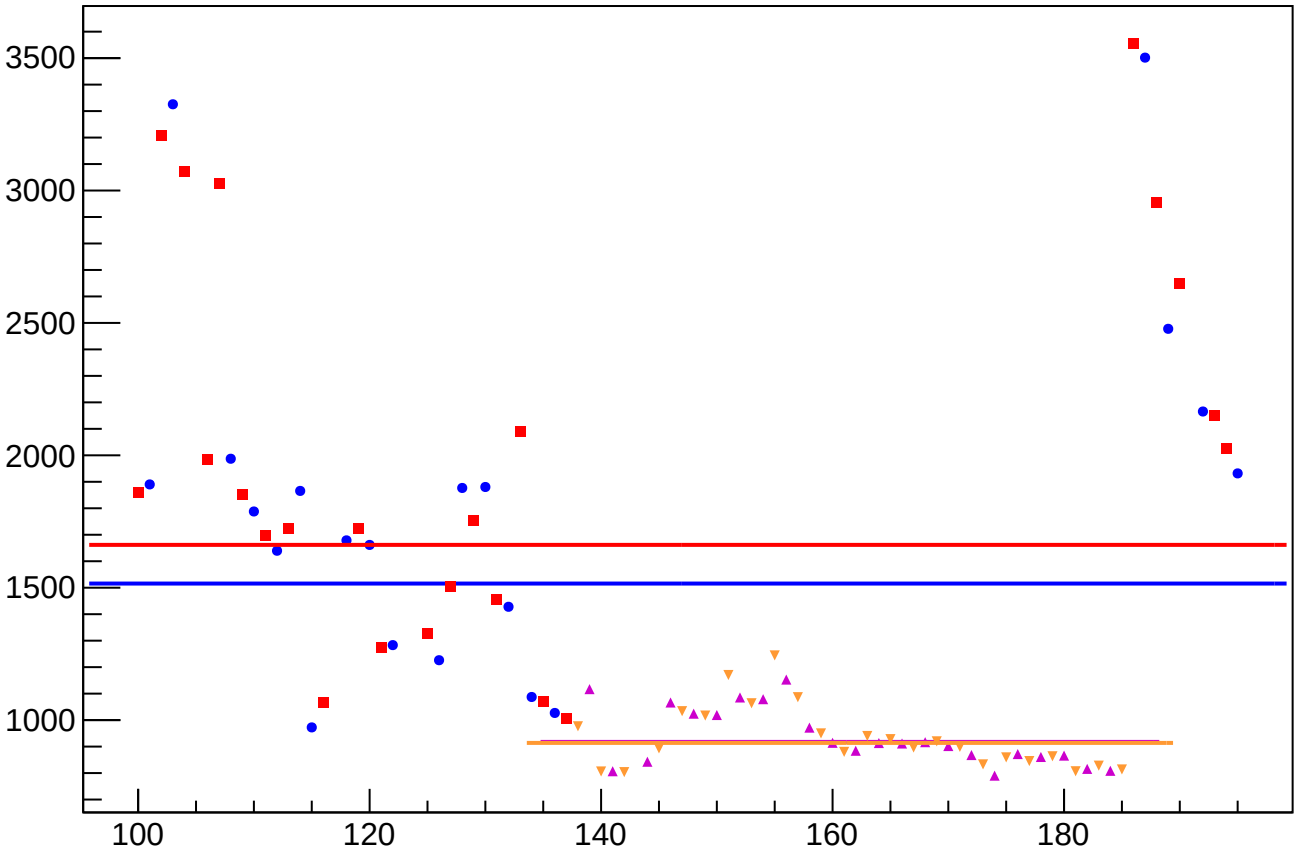
Right Out: -973.282+/-539.709 χ^2/NDF: 18.7/22

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -885.057+/-197.375 χ^2/NDF: 84.6/43

All: -550.091+/-140.645 χ^2/NDF: 141.5/89

- sign -204.549+/-200.467 χ^2/NDF: 51.0/45



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: 1661.770+/-0.382 χ^2/NDF: 2292315.2/22

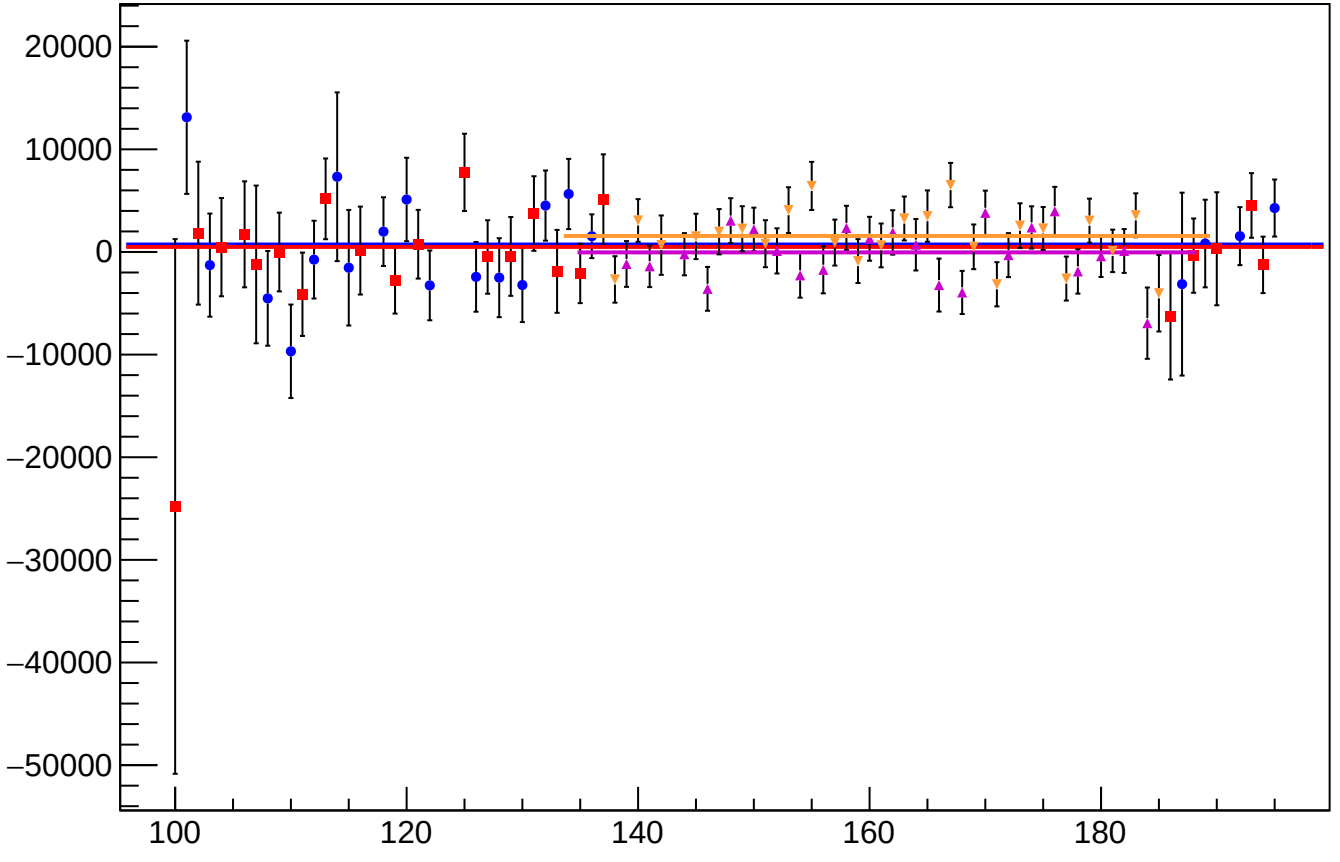
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1003.809+/-0.140 χ^2/NDF: 4606708.6/43

All: 1011.942+/-0.099 χ^2/NDF: 10613567.7/8

- sign 1020.332+/-0.142 χ^2/NDF: 5999960.1/45

asym_us_dd_at1lr_dd_dd_mean vs Slug



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: 493.839+/-831.233 χ^2/NDF: 15.1/22

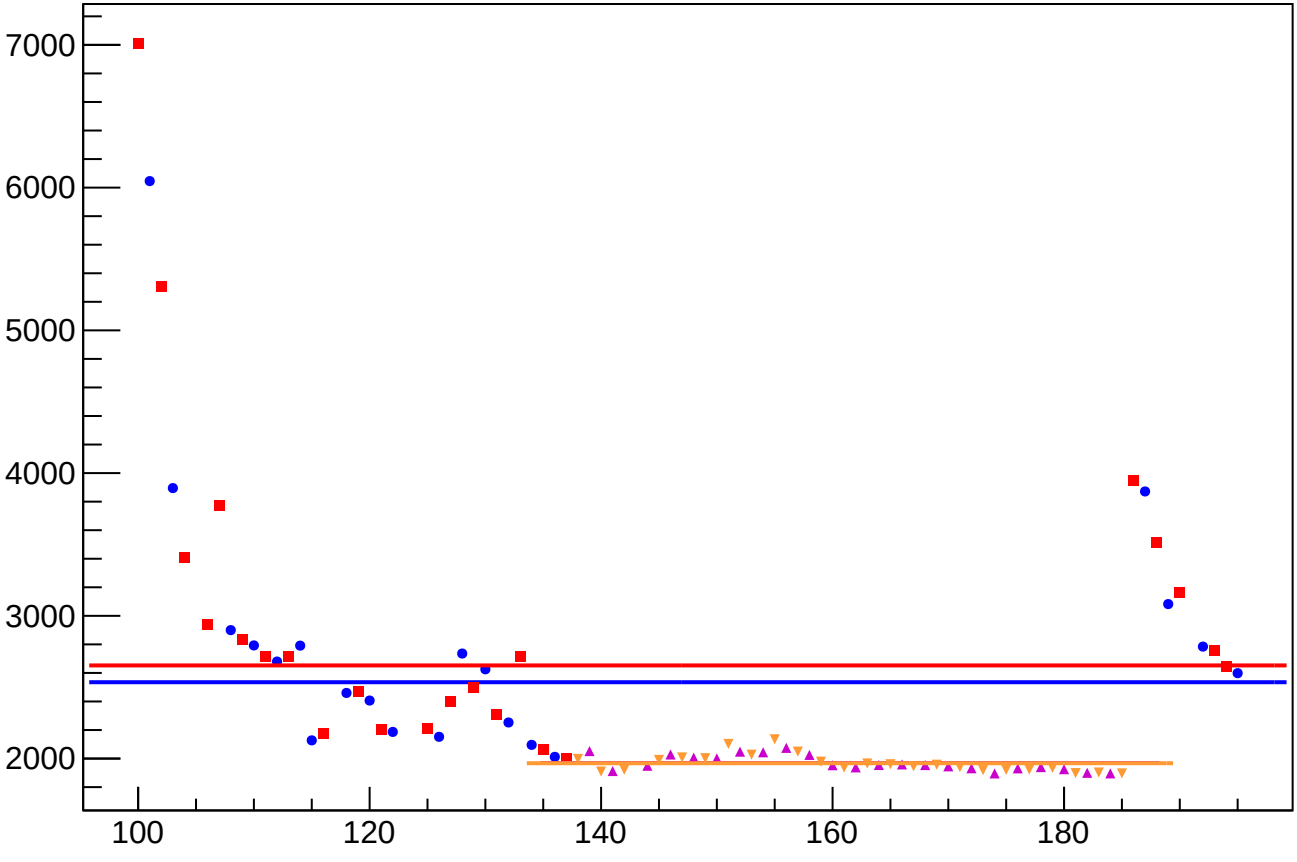
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1367.144+/-400.330 χ^2/NDF: 53.2/43

All: 729.550+/-283.819 χ^2/NDF: 101.5/89

- sign 85.219+/-402.439 χ^2/NDF: 43.2/45

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

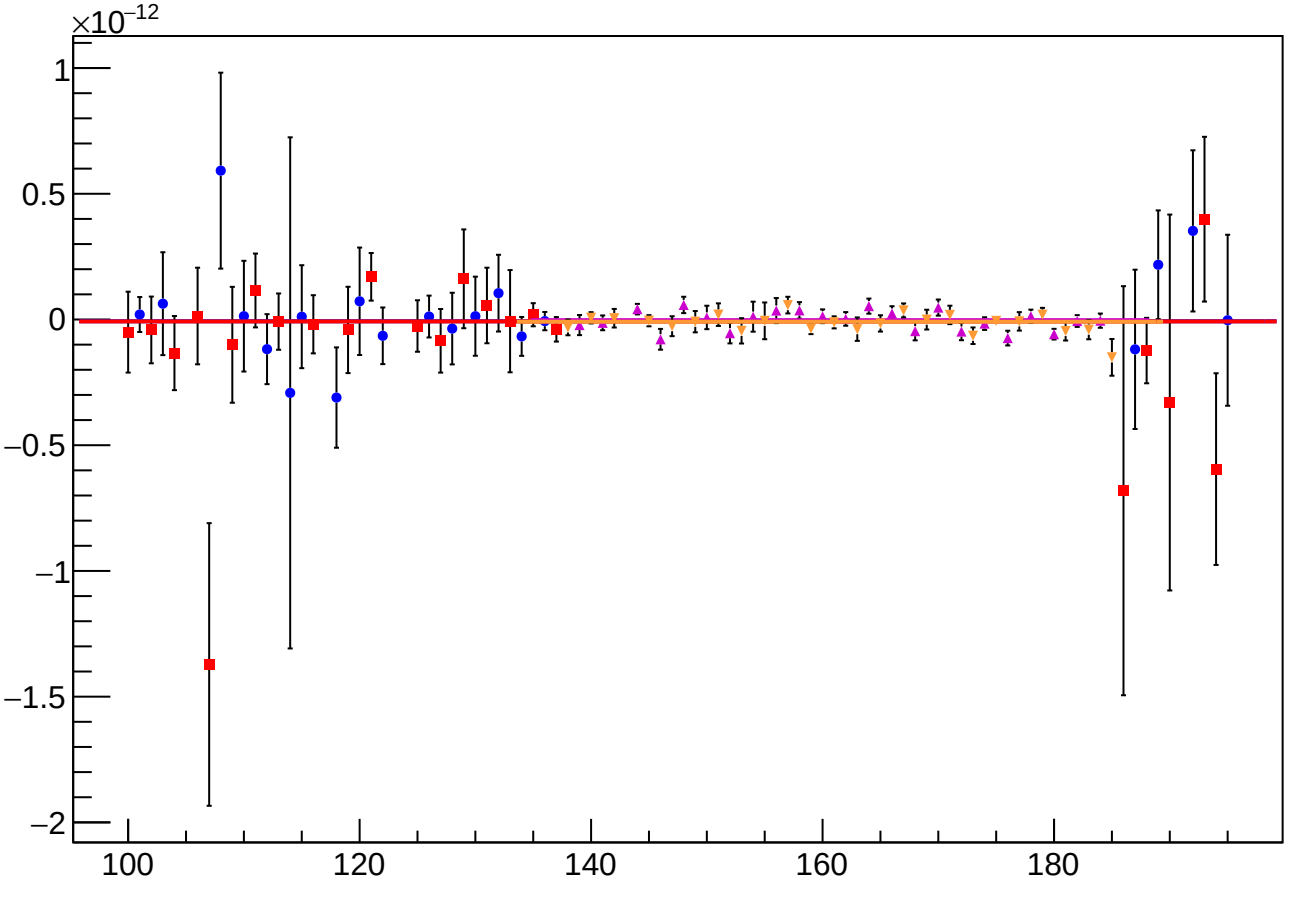
Right Out: 2652.611+/-0.588 χ^2/NDF: 923986.7/22

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2099.213+/-0.283 χ^2/NDF: 1691505.4/43

All: 2114.155+/-0.201 χ^2/NDF: 3683186.9/89

- sign 2129.255+/-0.285 χ^2/NDF: 1986079.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

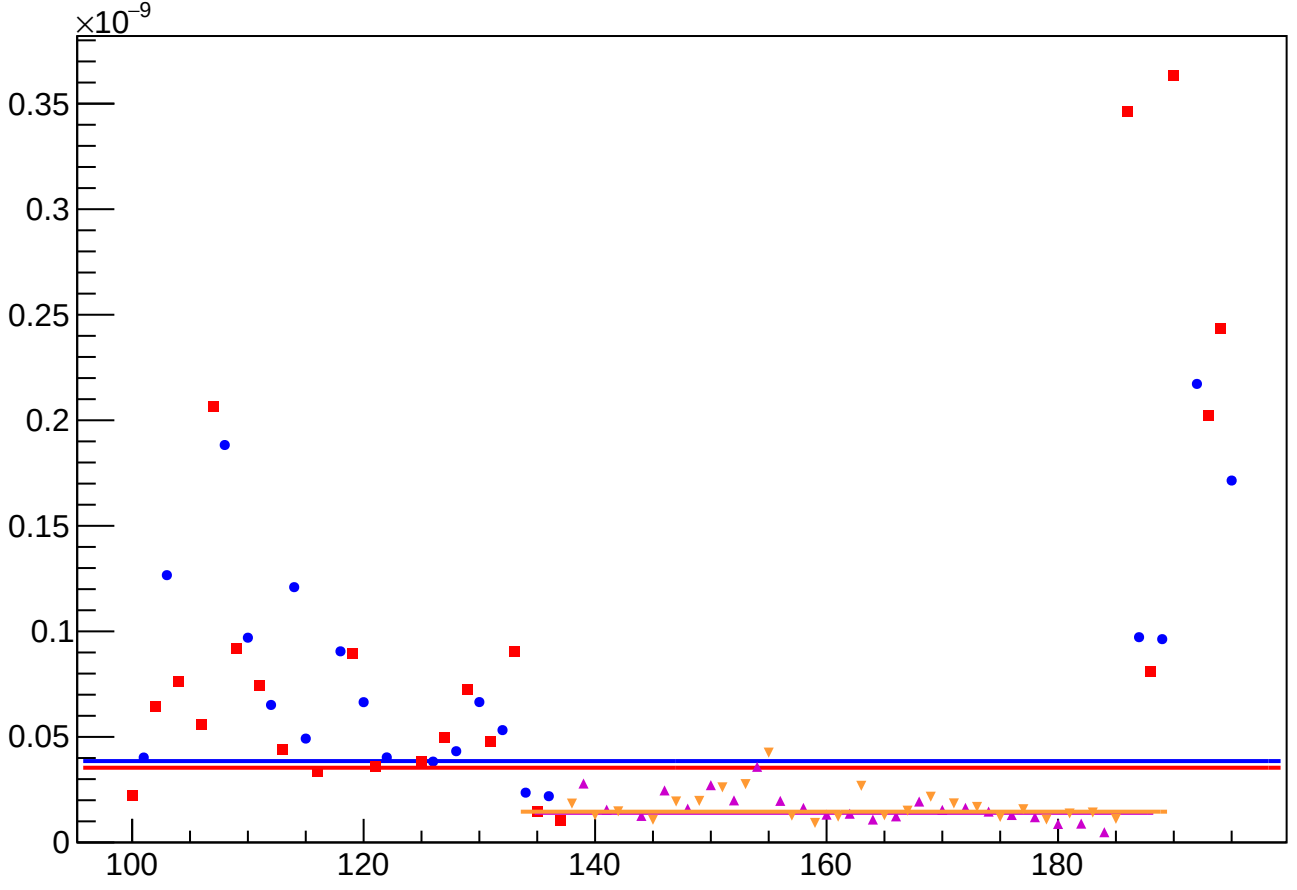
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/22

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: 88.8/89

- sign -0.000+/-0.000 χ^2/NDF: 57.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 2785308.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

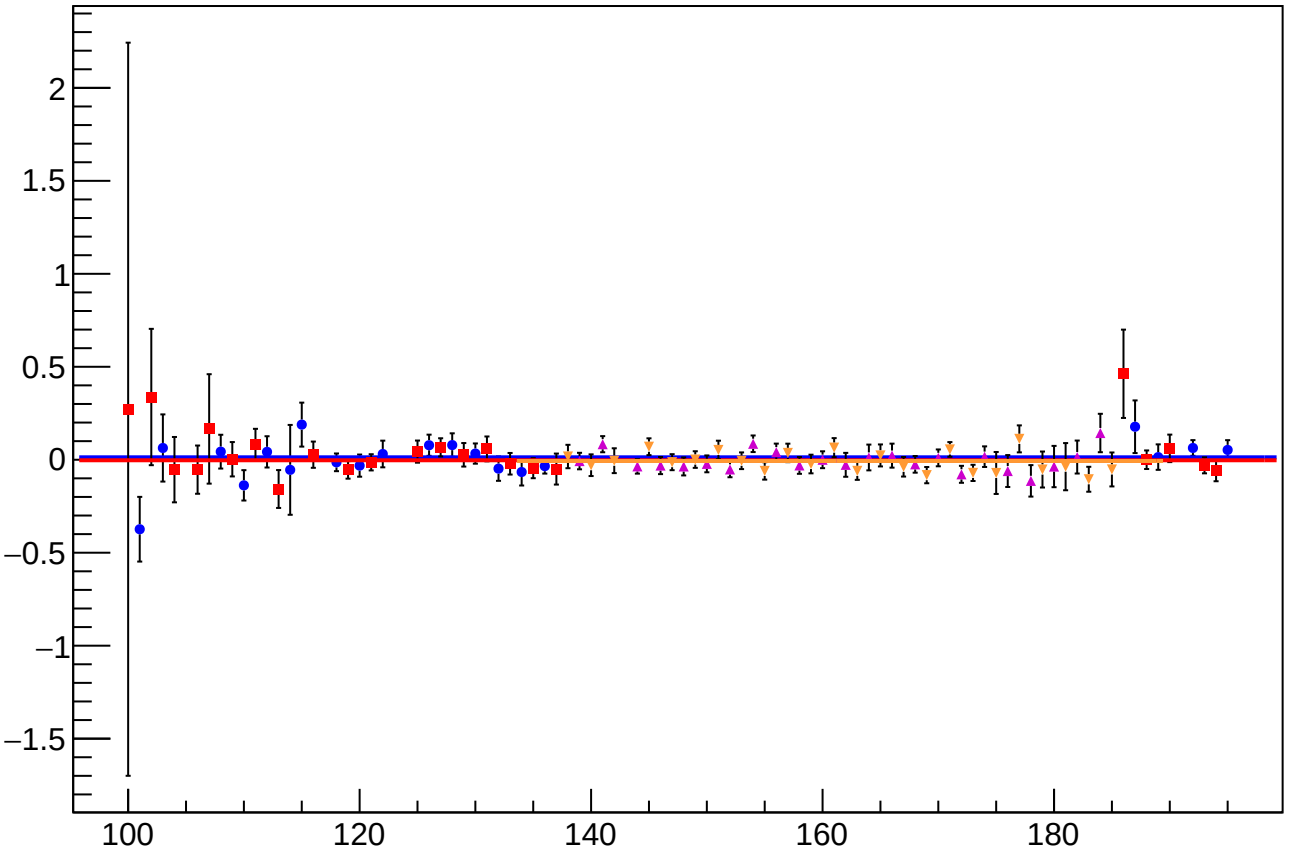
Right Out: 0.000+/-0.000 χ^2/NDF: 4161863.0/22

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: 12910507.5/89

- sign 0.000+/-0.000 χ^2/NDF: 7096990.6/45



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: 16.9/22

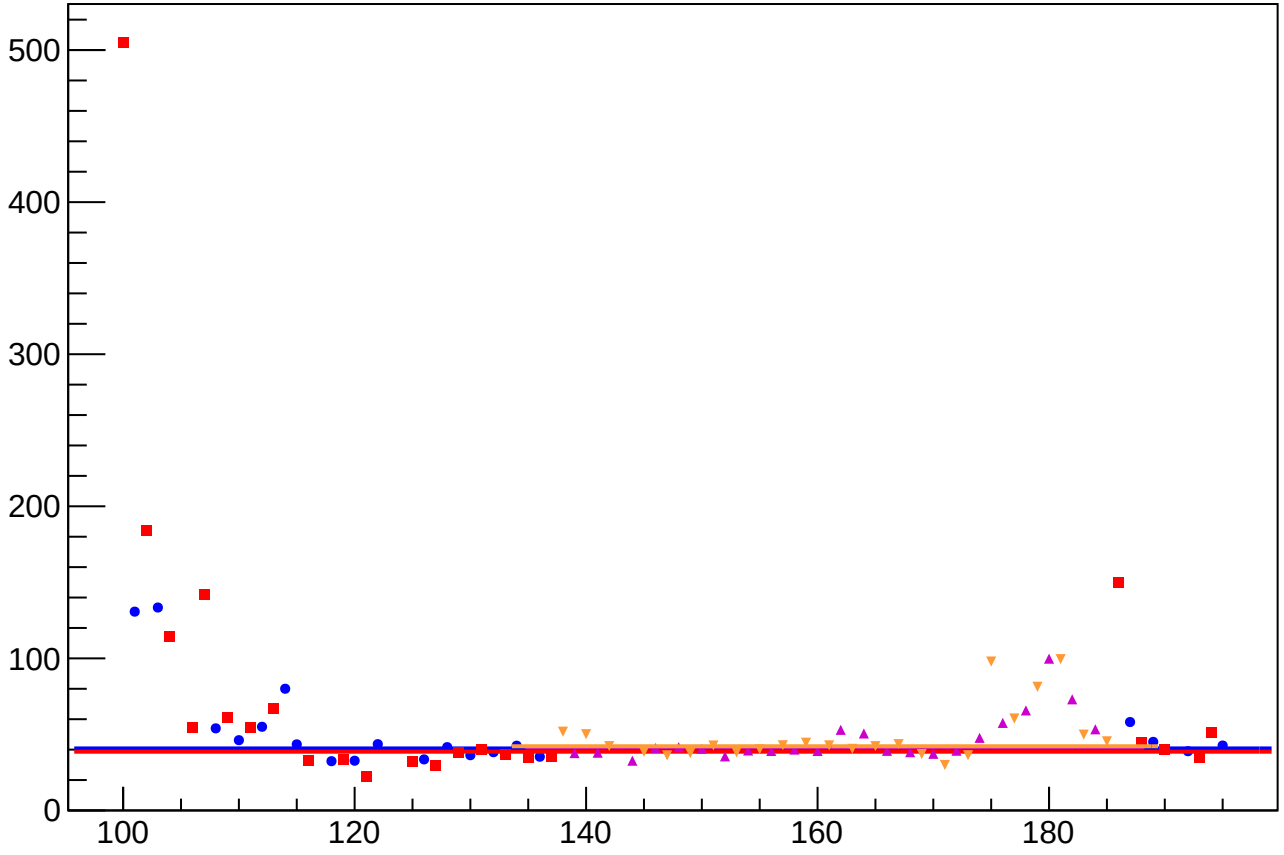
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 46.3/43

All: -0.002+/-0.006 χ^2/NDF: 83.5/89

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45

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

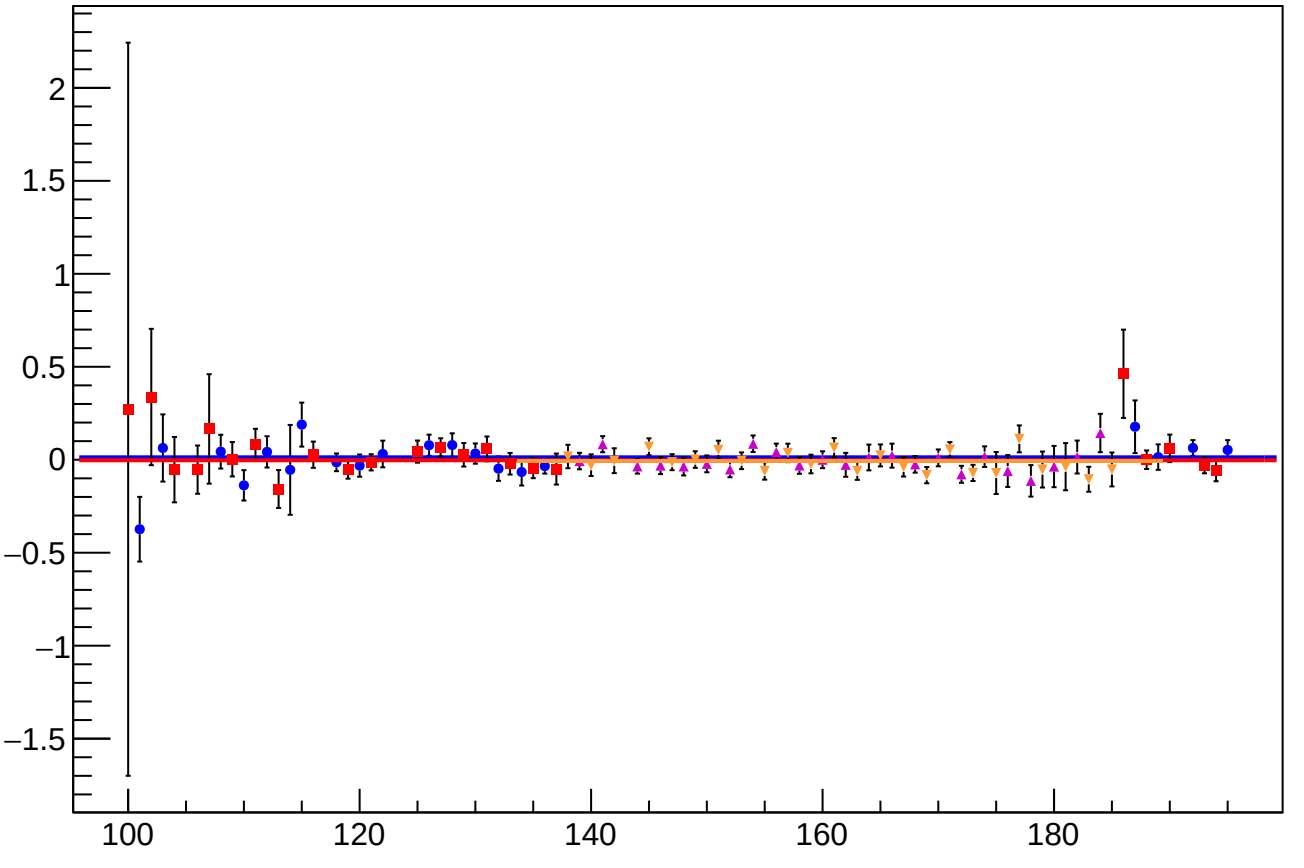
Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287249.0/43

All: 41.032+/-0.004 χ^2/NDF: 7213444.5/89

- sign 40.397+/-0.006 χ^2/NDF: 3903522.2/45



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

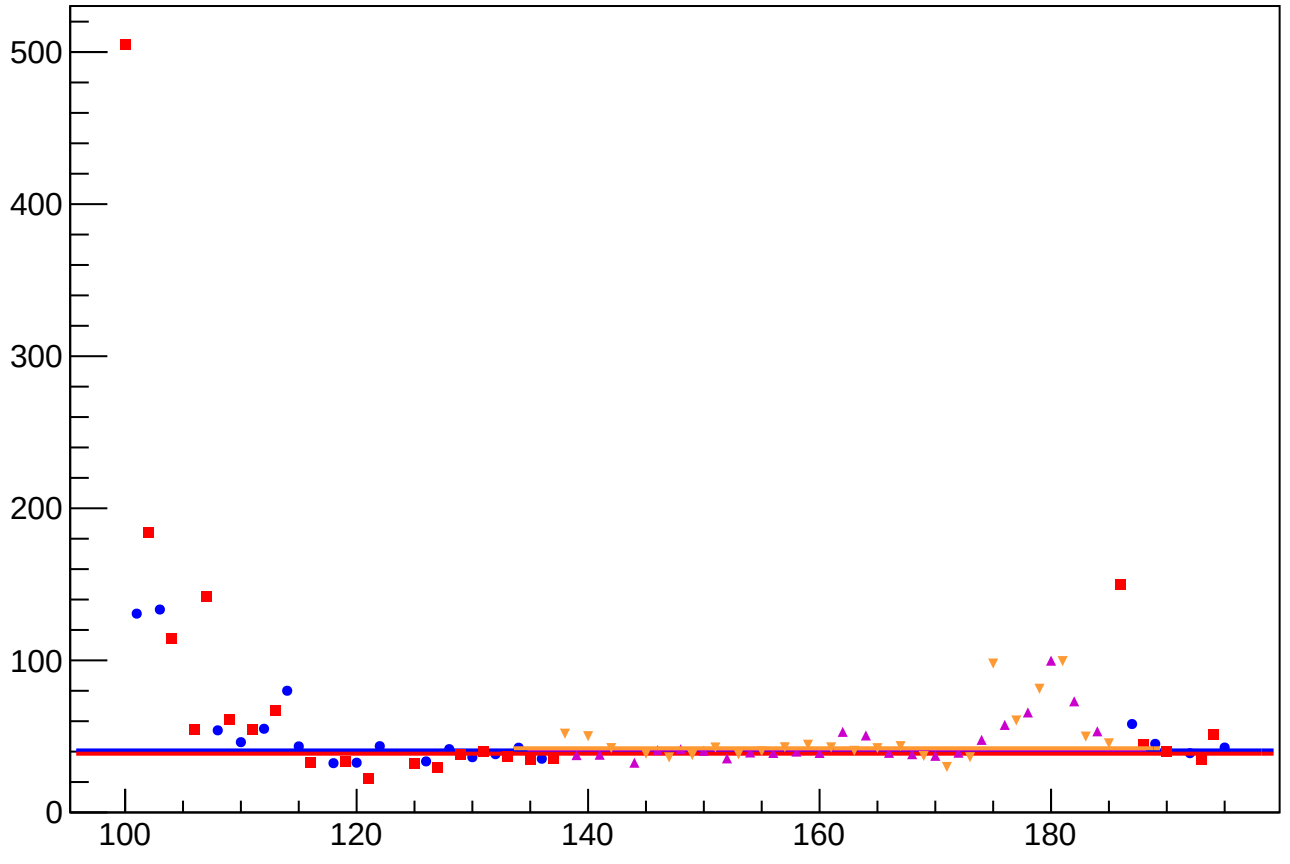
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/22

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: 83.5/89

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45



Right In: 40.778+/-0.010 χ^2/NDF: 1455710.2/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

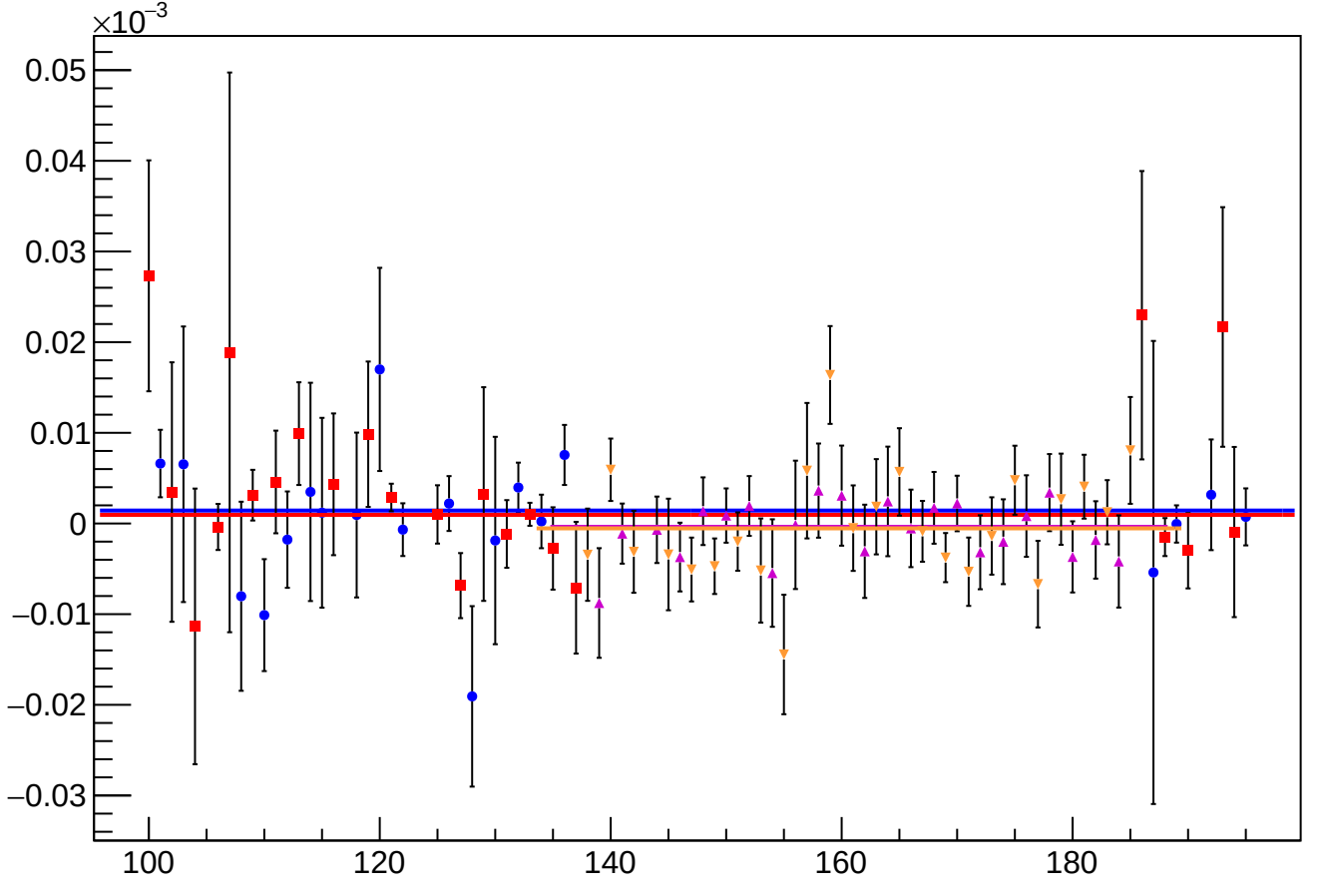
Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287249.0/43

All: 41.032+/-0.004 χ^2/NDF: 7213444.5/89

- sign 40.397+/-0.006 χ^2/NDF: 3903522.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

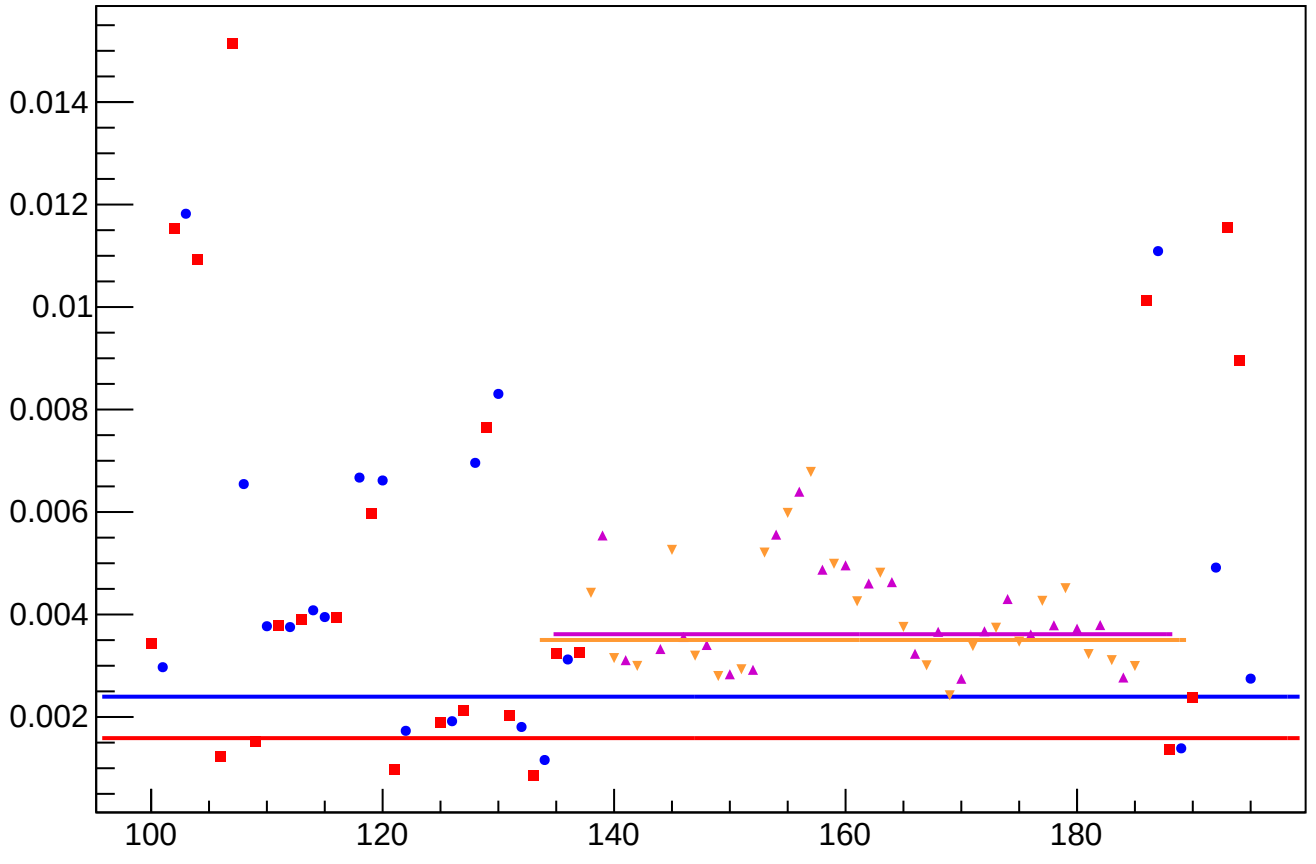
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/22

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: 94.9/89

- sign 0.000+/-0.000 χ^2/NDF: 36.9/45



Right In: 0.002+/-0.000 χ^2/NDF: 4899762.8/19

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

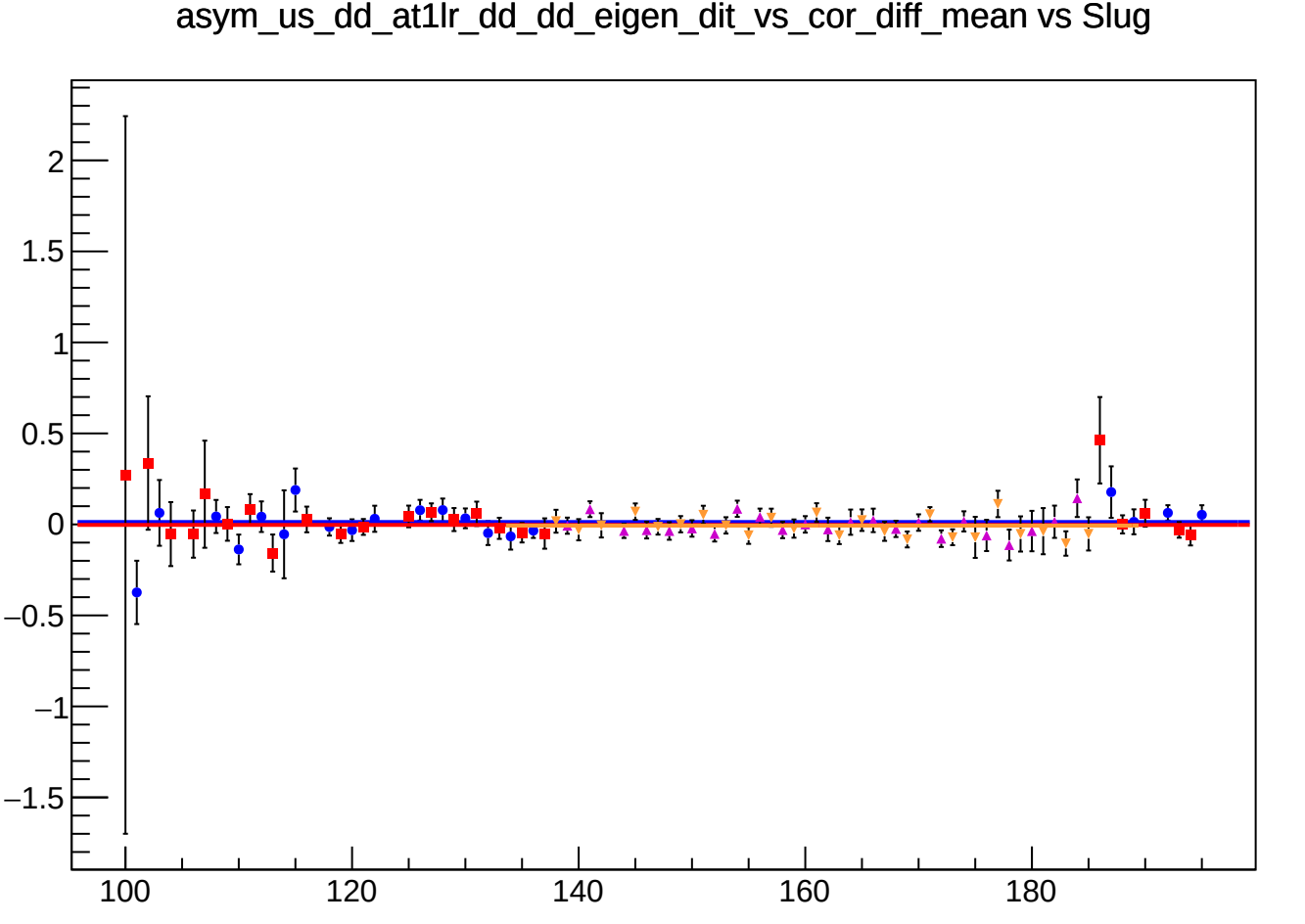
Right Out: 0.002+/-0.000 χ^2/NDF: 8641973.8/22

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 8626383.8/43

All: 0.003+/-0.000 χ^2/NDF: 26731191.0/89

- sign 0.002+/-0.000 χ^2/NDF: 16935295.6/45



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

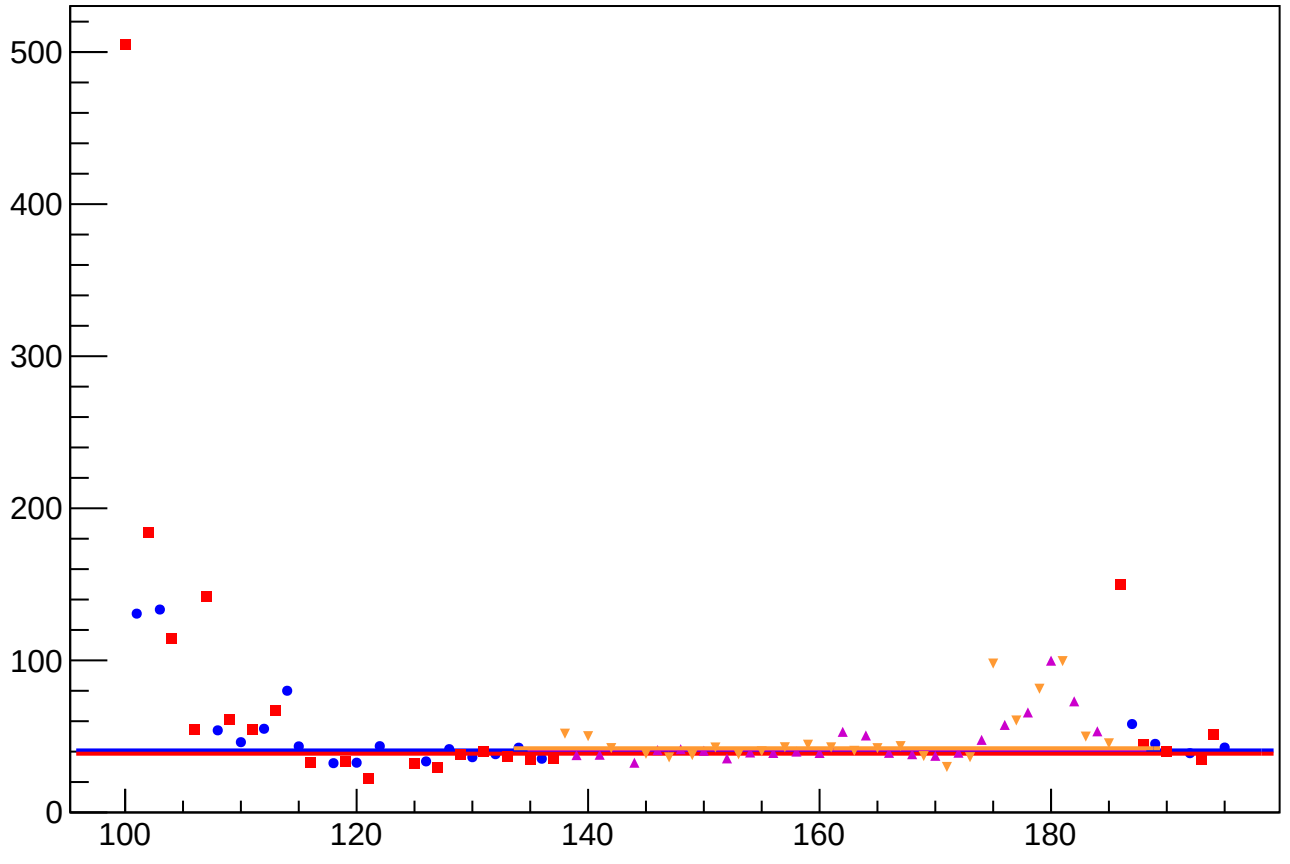
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/22

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: 83.5/89

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

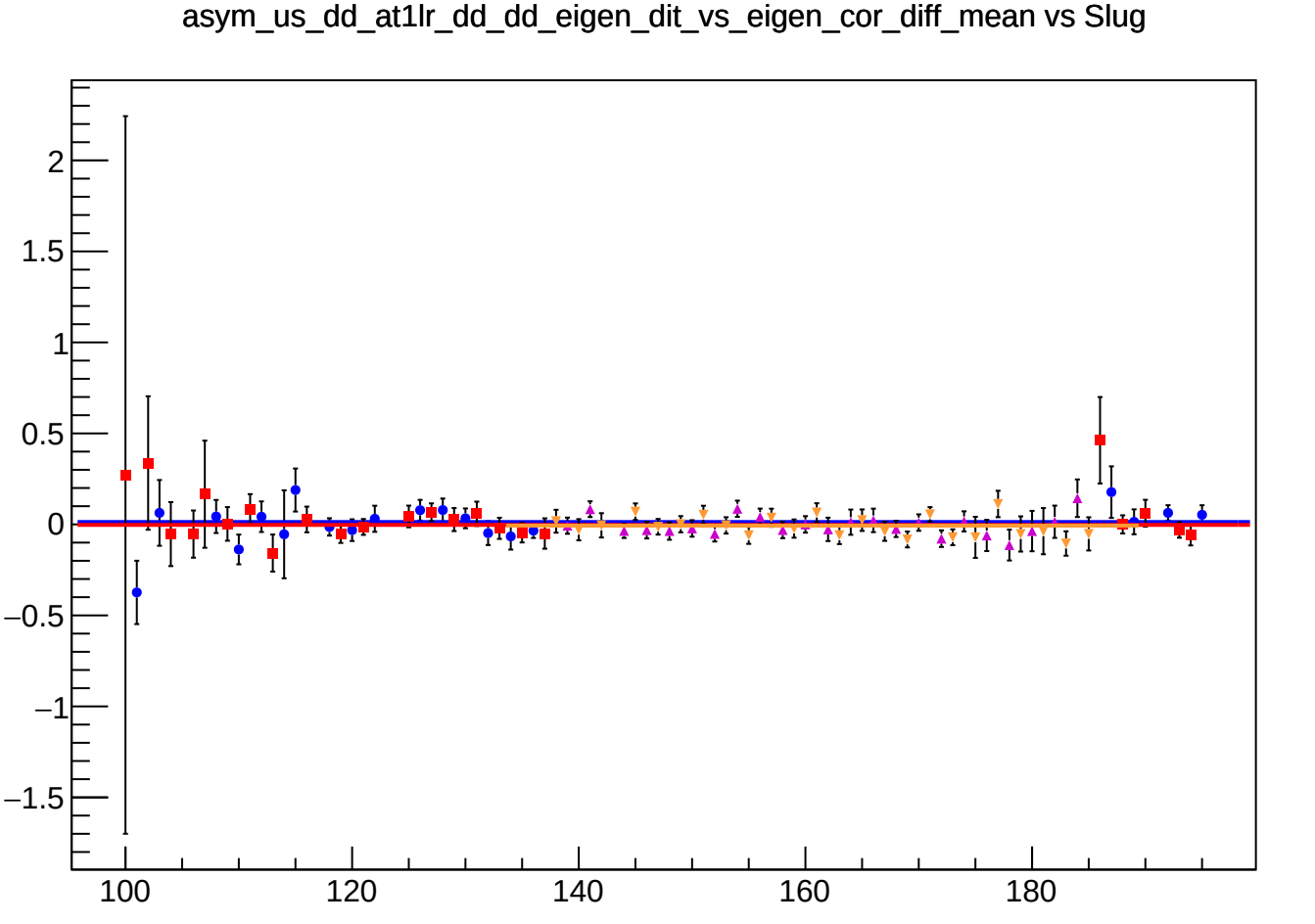
Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287113.1/43

All: 41.031+/-0.004 χ^2/NDF: 7213288.7/89

- sign 40.397+/-0.006 χ^2/NDF: 3903482.1/45



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

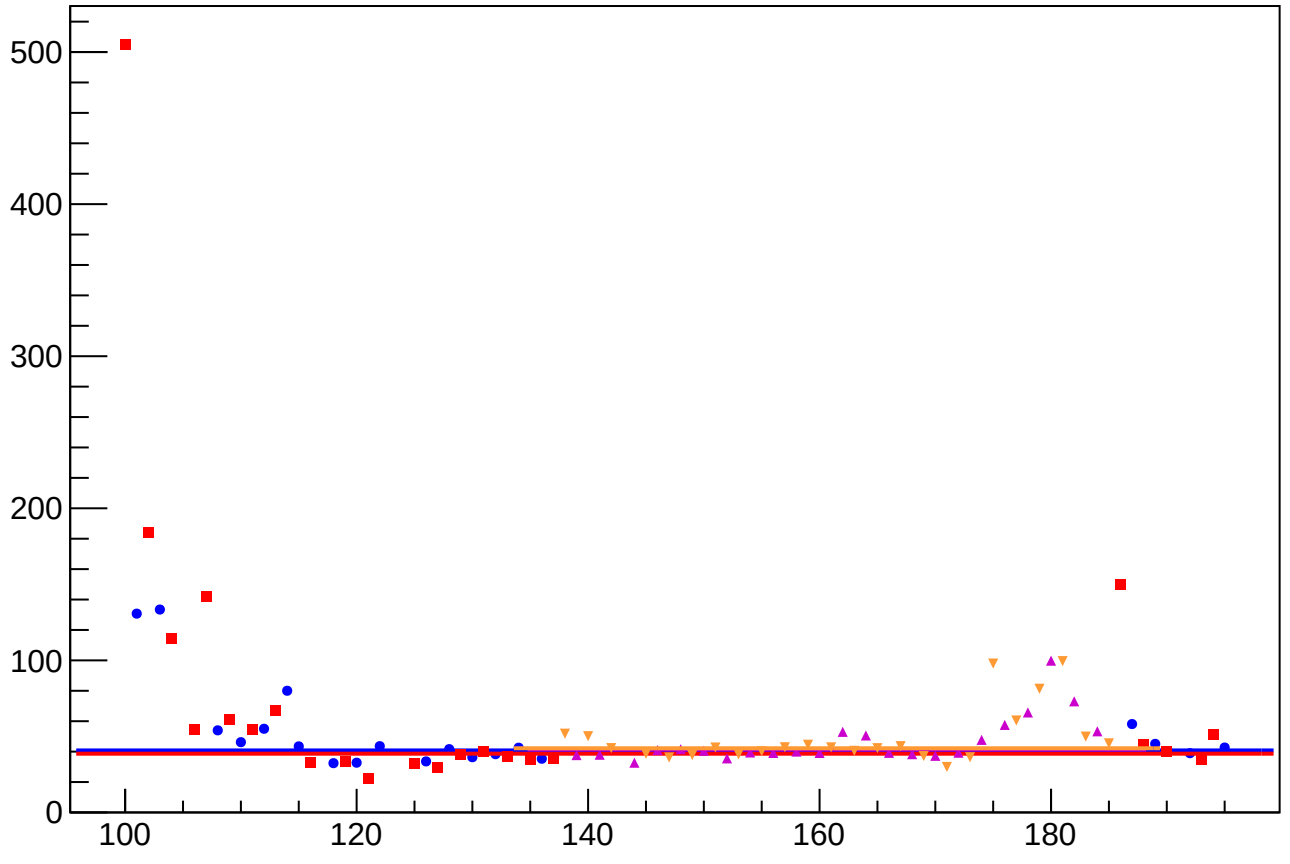
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/22

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: 83.5/89

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

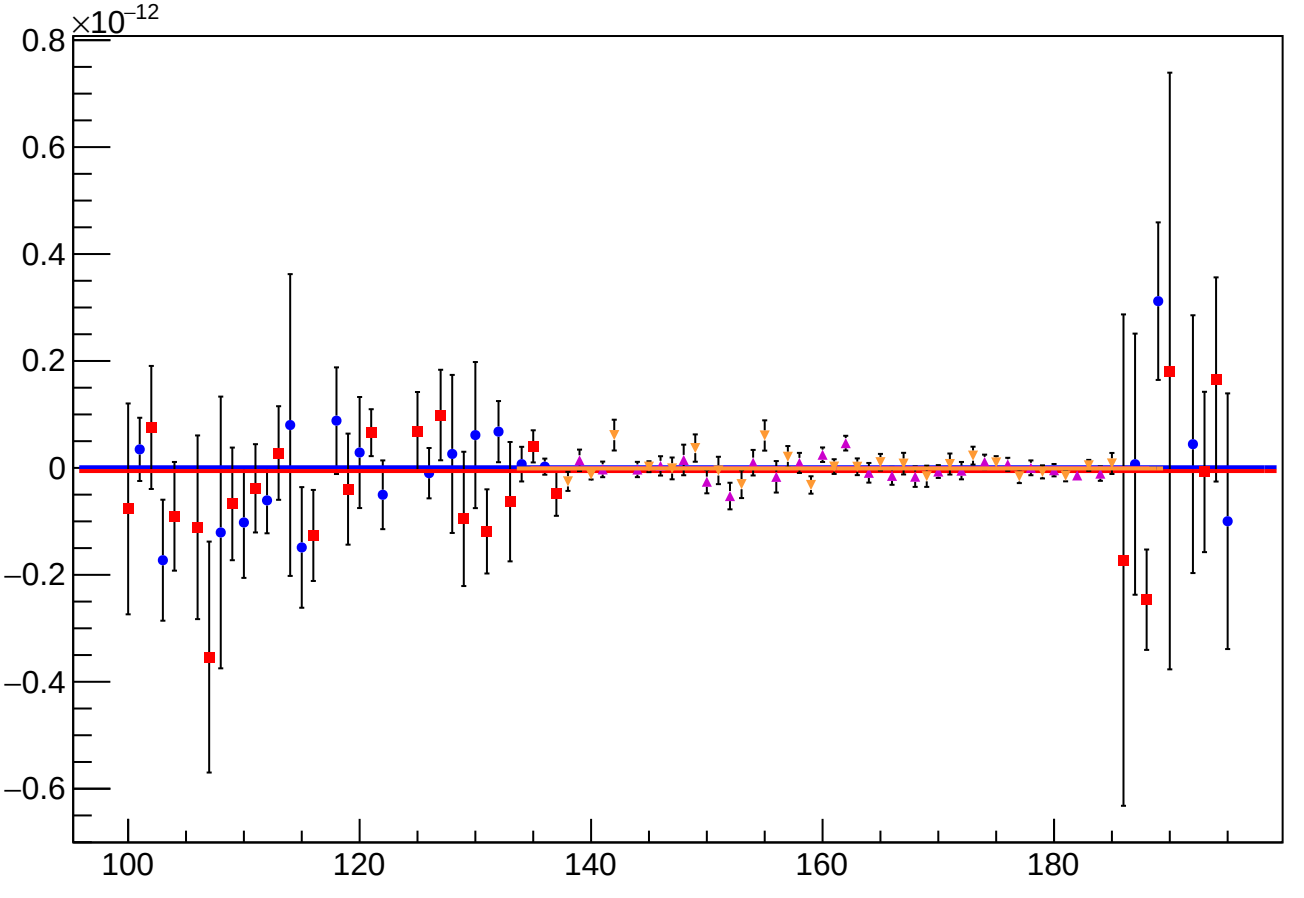
Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.701+/-0.006 χ^2/NDF: 3287113.1/43

All: 41.031+/-0.004 χ^2/NDF: 7213288.7/89

- sign 40.397+/-0.006 χ^2/NDF: 3903482.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

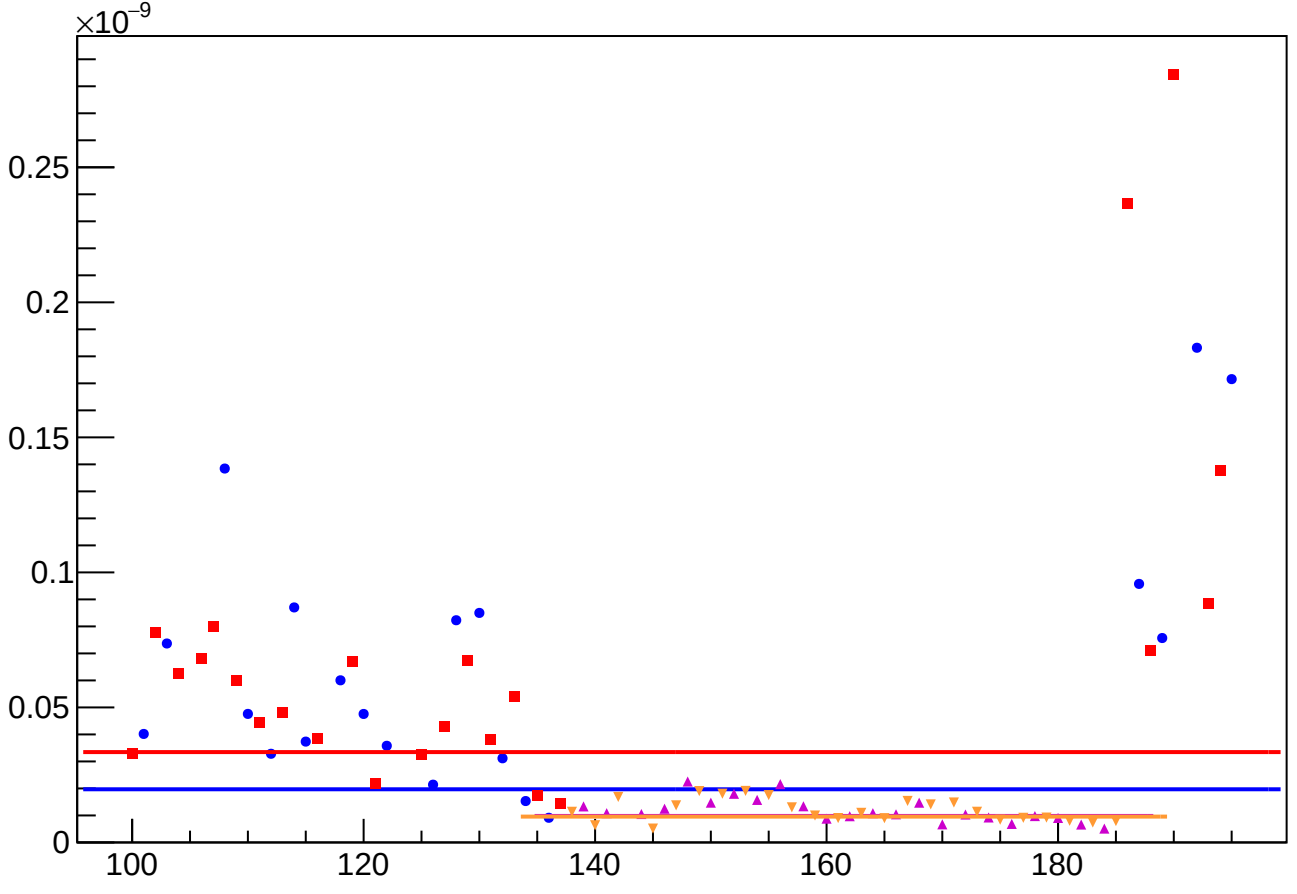
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/22

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: 98.6/89

- sign -0.000+/-0.000 χ^2/NDF: 54.6/45



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: 4435565.1/22

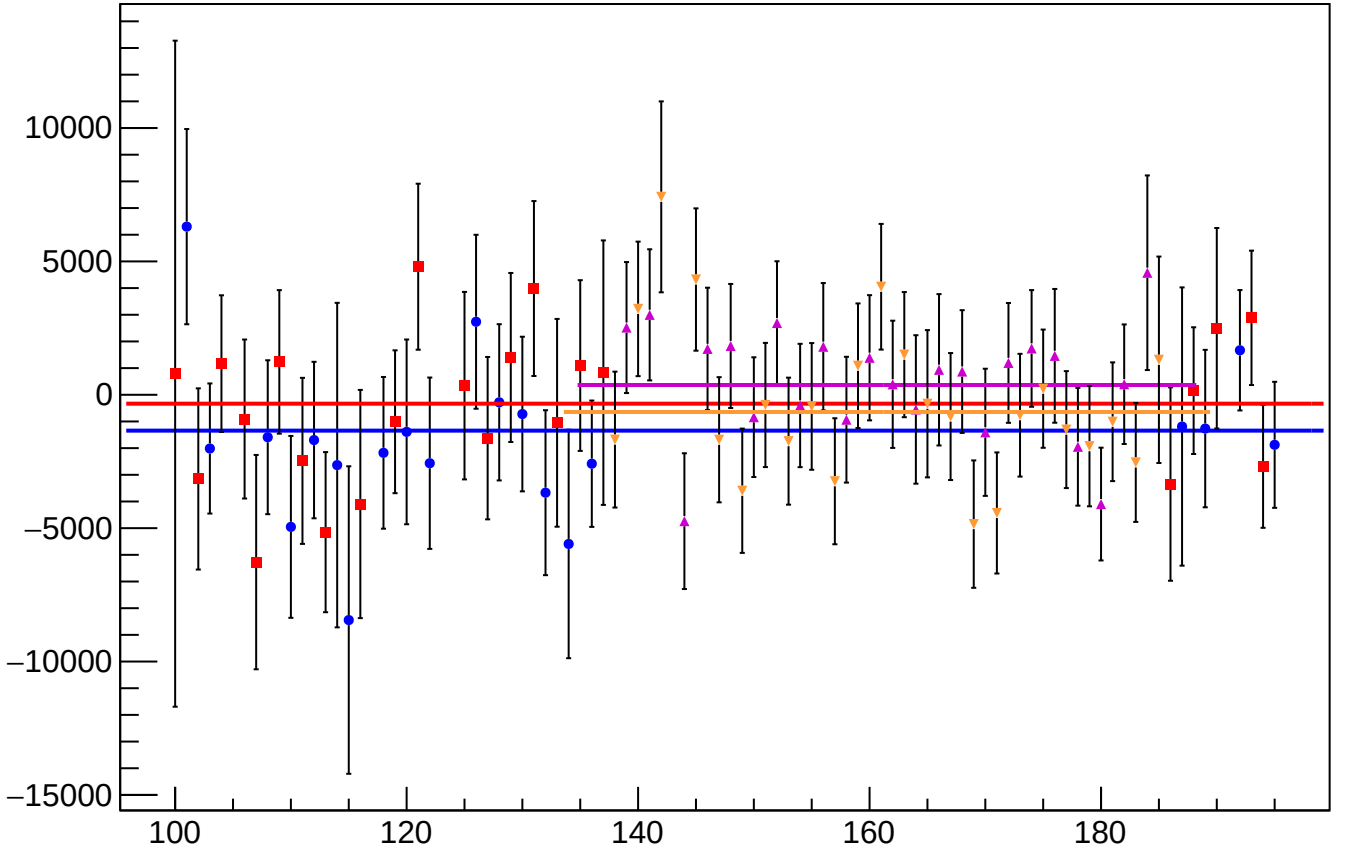
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10149388.8/43

All: 0.000+/-0.000 χ^2/NDF: 21036164.8/89

- sign 0.000+/-0.000 χ^2/NDF: 10863601.1/45

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: -333.031+/-655.720 χ^2/NDF: 16.7/22

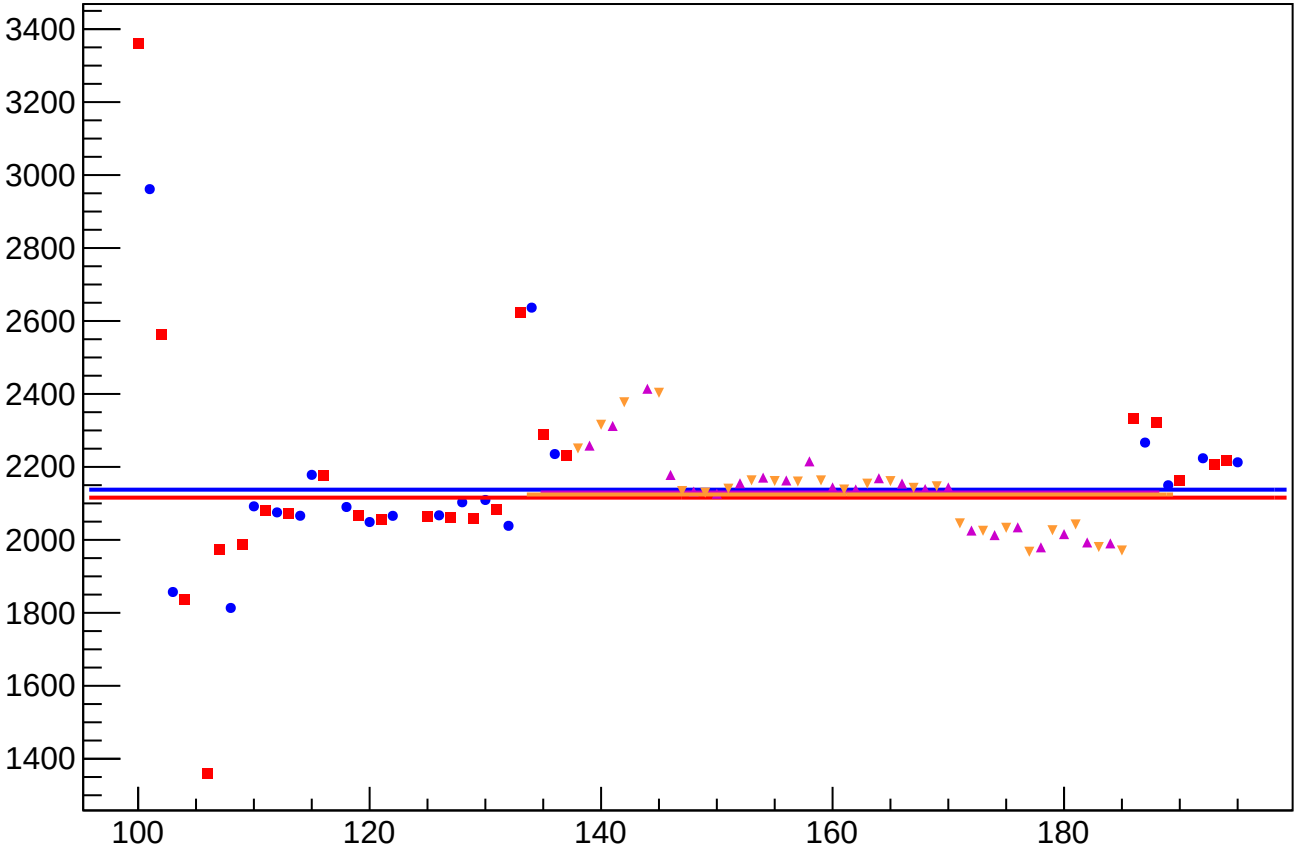
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -882.273+/-400.840 χ^2/NDF: 40.6/43

All: -380.357+/-281.903 χ^2/NDF: 78.4/89

- sign 110.842+/-396.537 χ^2/NDF: 34.7/45

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

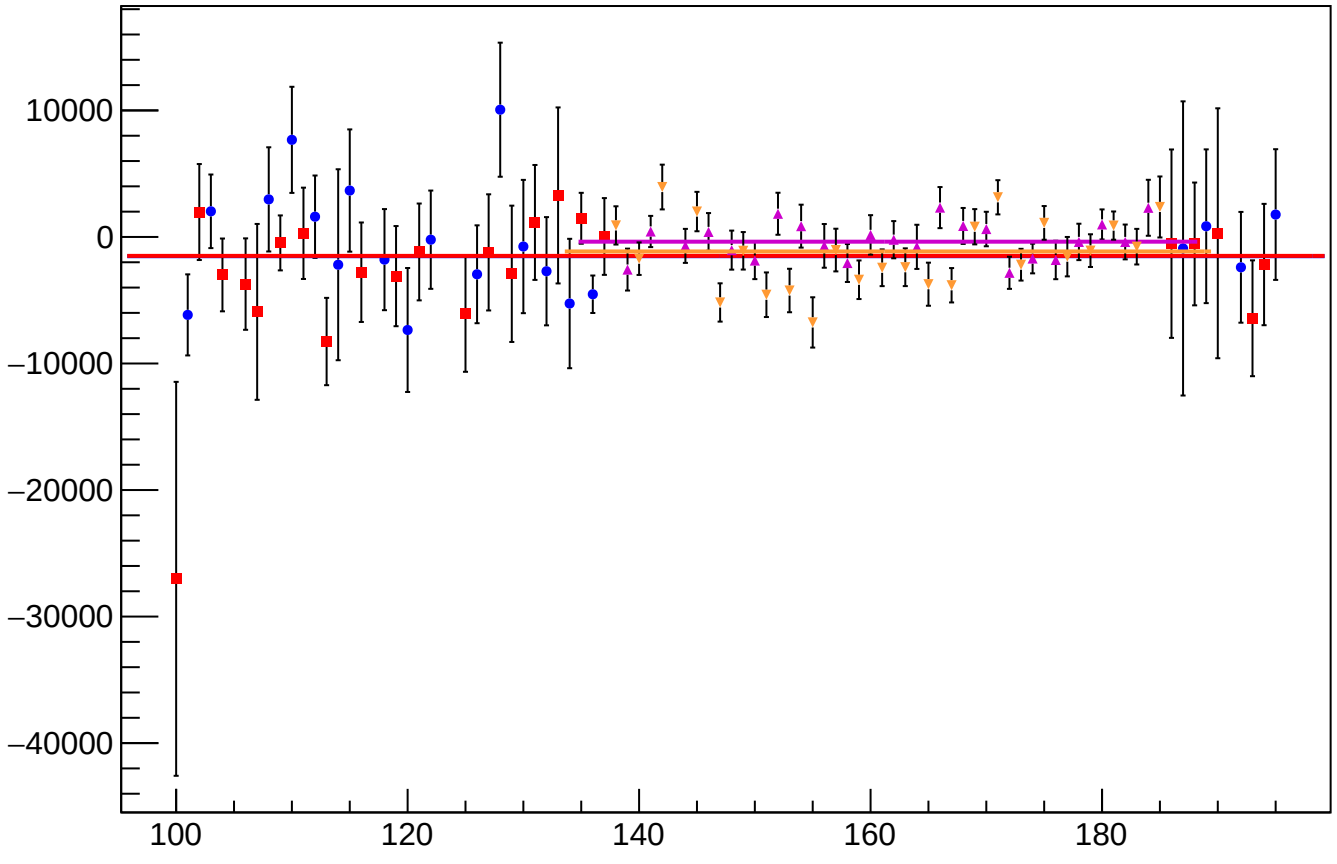
Right Out: 2115.796+/-0.464 χ^2/NDF: 287972.5/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2128.939+/-0.283 χ^2/NDF: 287450.7/43

All: 2126.817+/-0.199 χ^2/NDF: 661475.2/89

- sign 2124.740+/-0.280 χ^2/NDF: 373913.6/45



Right In: -1521.578+/-825.154 χ^2/NDF: 23.5/19

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

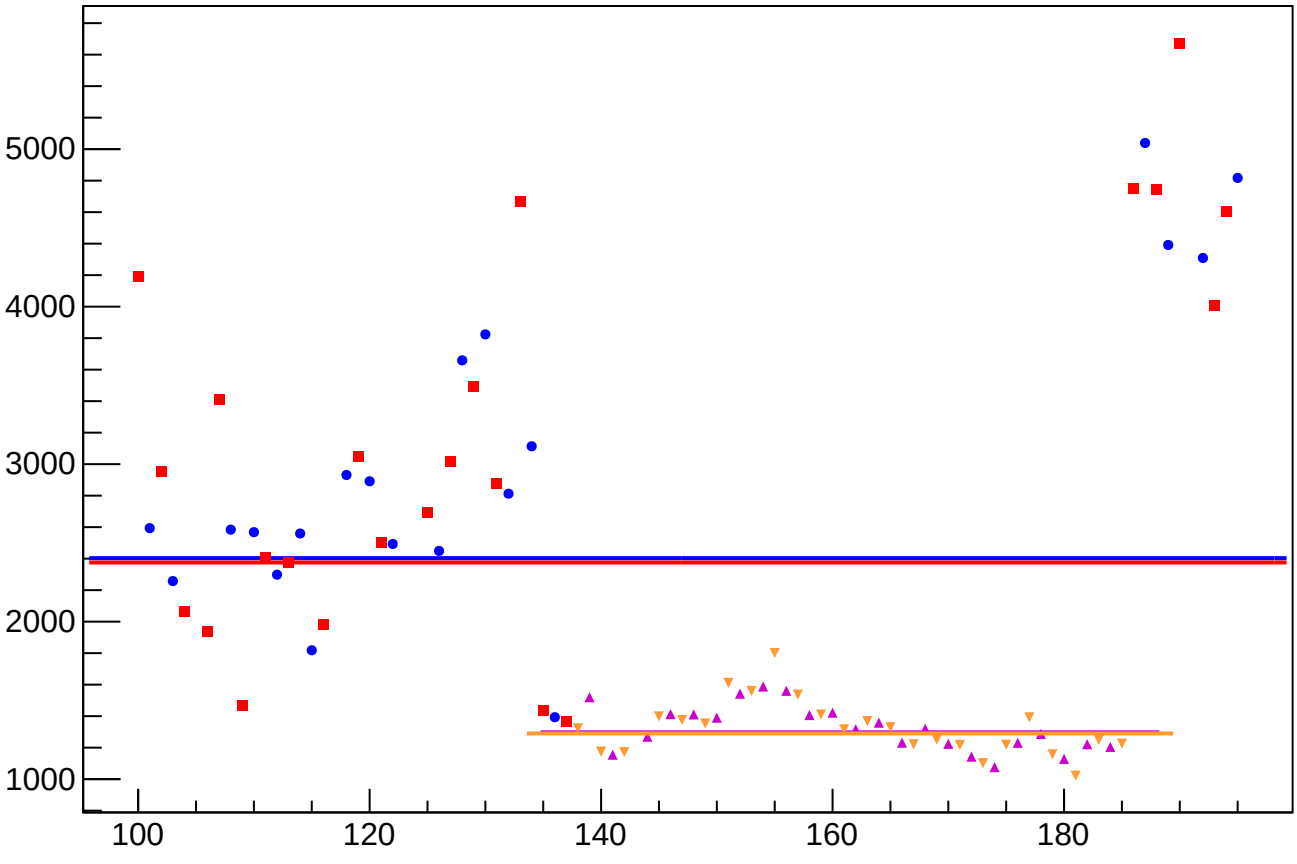
Right Out: -1495.527+/-796.105 χ^2/NDF: 14.8/22

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1189.449+/-284.006 χ^2/NDF: 91.2/43

All: -854.665+/-201.216 χ^2/NDF: 130.7/89

- sign -517.247+/-285.121 χ^2/NDF: 36.8/45



Right In: 2403.135+/-0.583 χ^2/NDF: 2485749.4/19

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

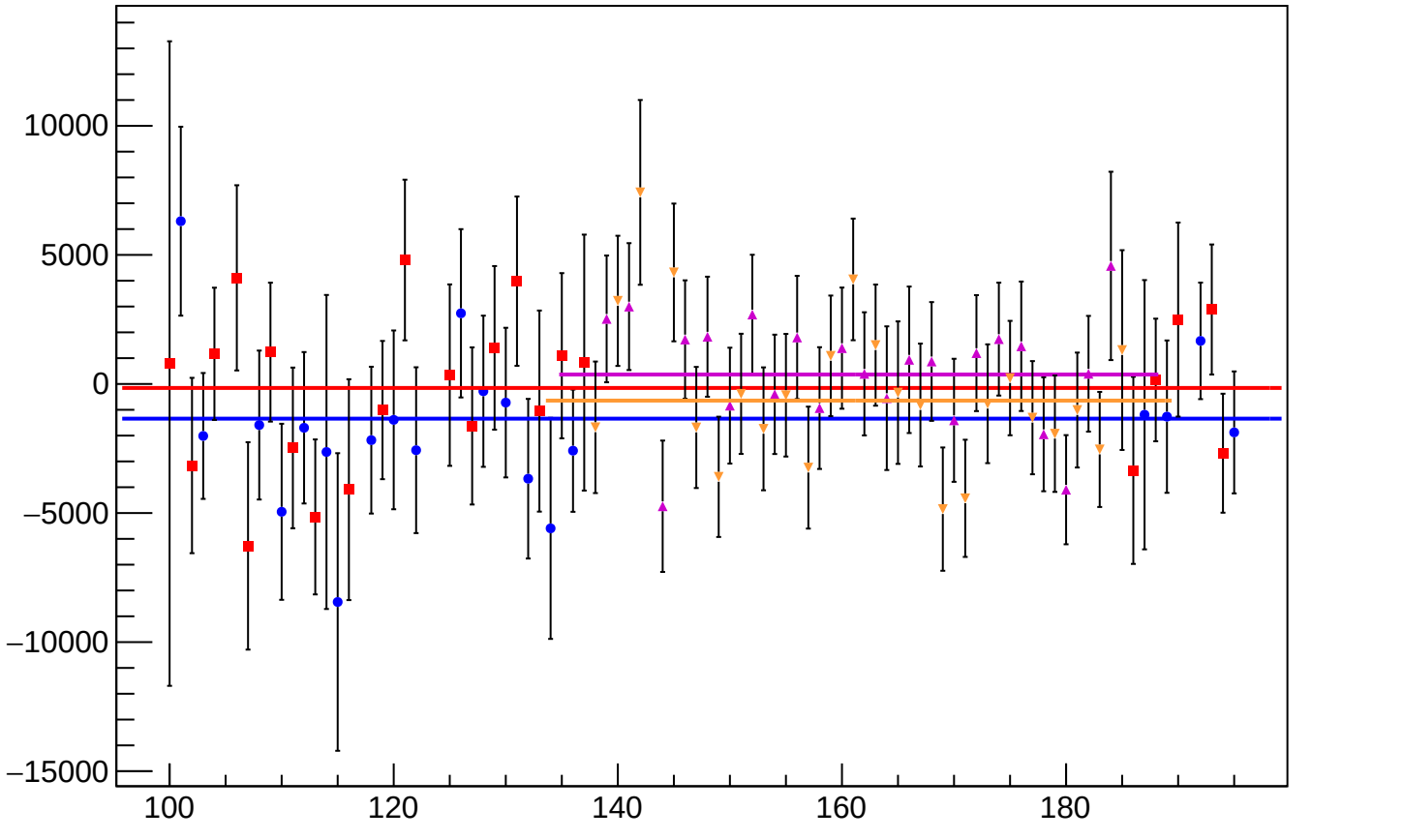
Right Out: 2375.808+/-0.563 χ^2/NDF: 3221310.5/22

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1421.892+/-0.201 χ^2/NDF: 6261982.4/43

All: 1428.805+/-0.142 χ^2/NDF: 13118519.3/8

- sign 1435.772+/-0.202 χ^2/NDF: 6854157.7/45



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: -154.265+/-660.696 χ^2/NDF: 18.1/22

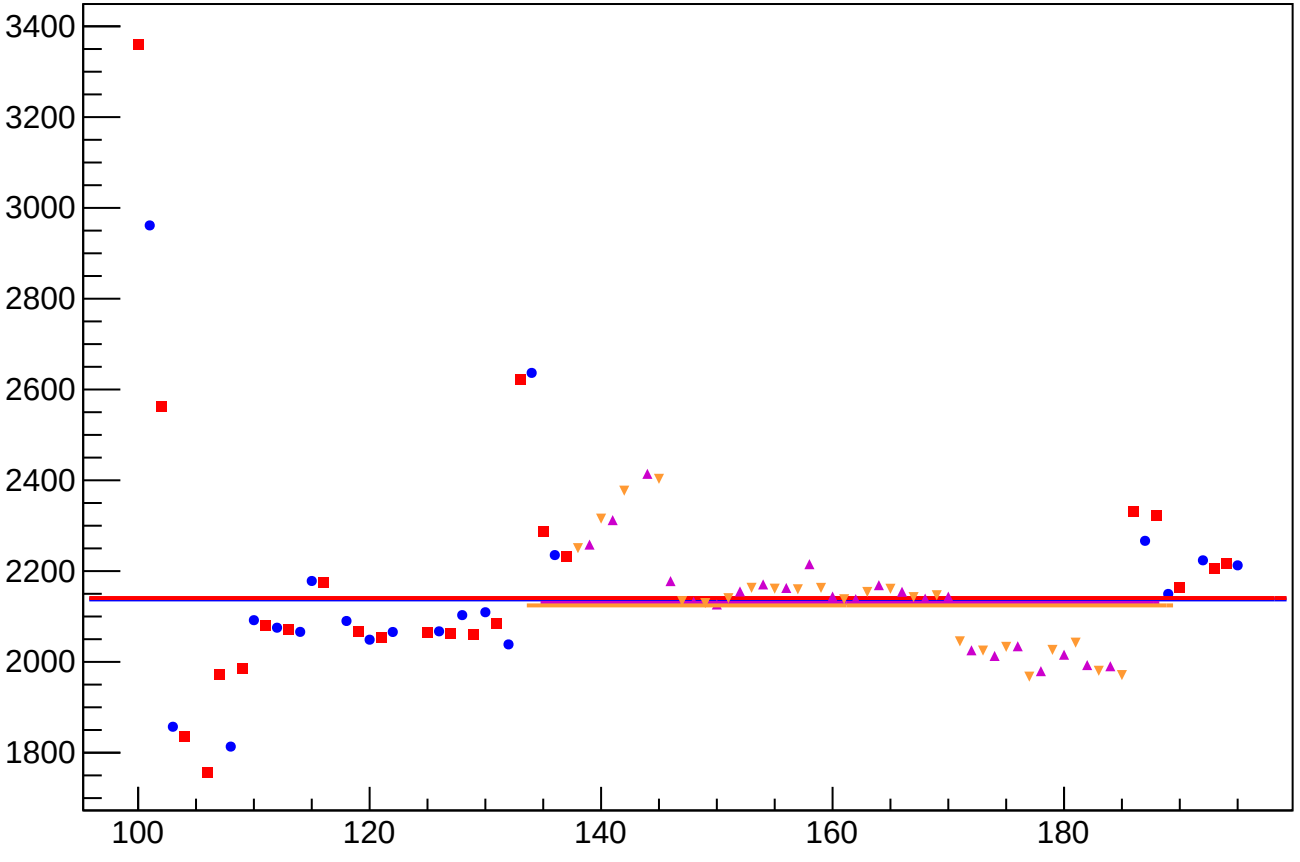
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -882.173+/-400.841 χ^2/NDF: 40.6/43

All: -347.838+/-282.295 χ^2/NDF: 80.0/89

- sign 177.971+/-397.630 χ^2/NDF: 35.8/45

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

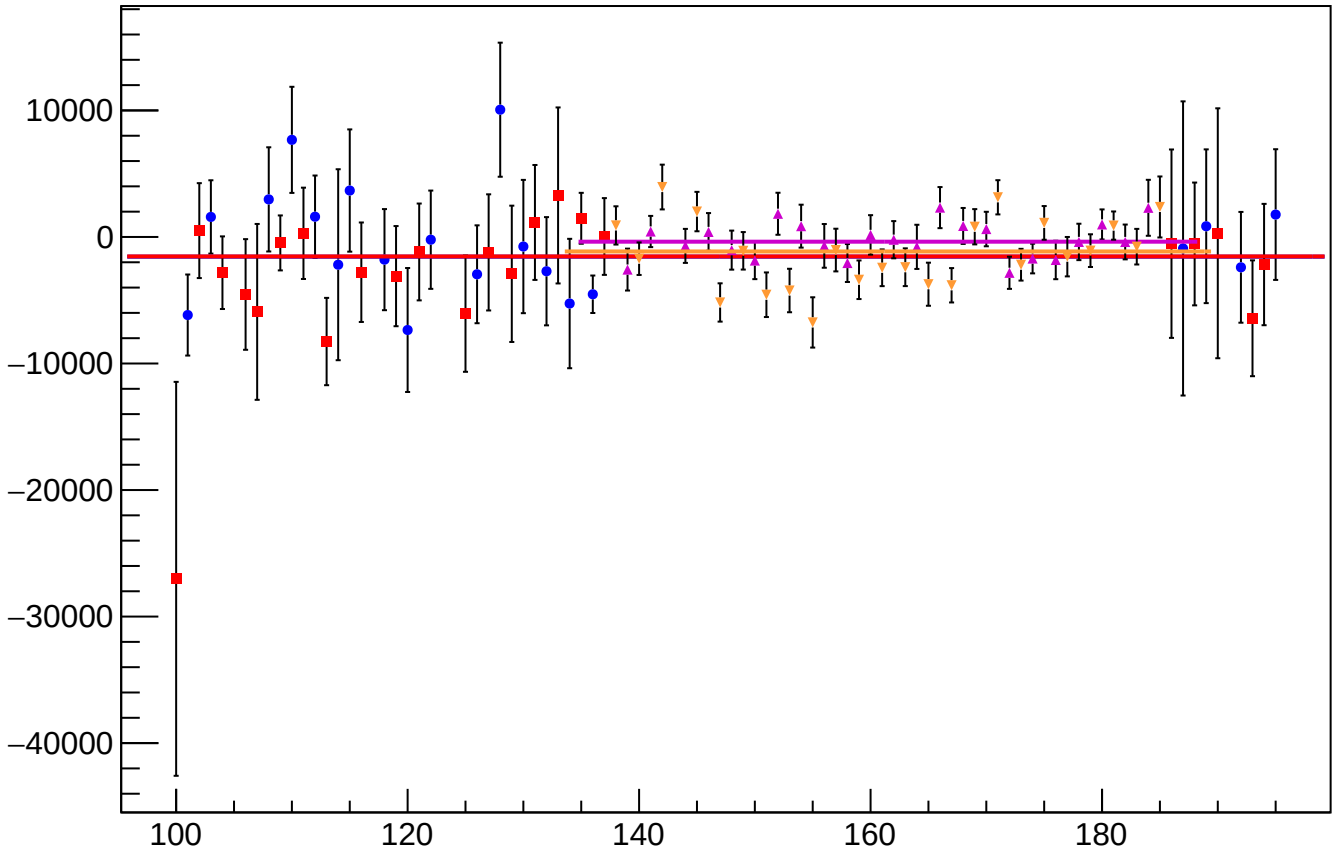
Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2128.939+/-0.283 χ^2/NDF: 287451.0/43

All: 2131.395+/-0.200 χ^2/NDF: 550181.4/89

- sign 2133.811+/-0.281 χ^2/NDF: 262581.5/45



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

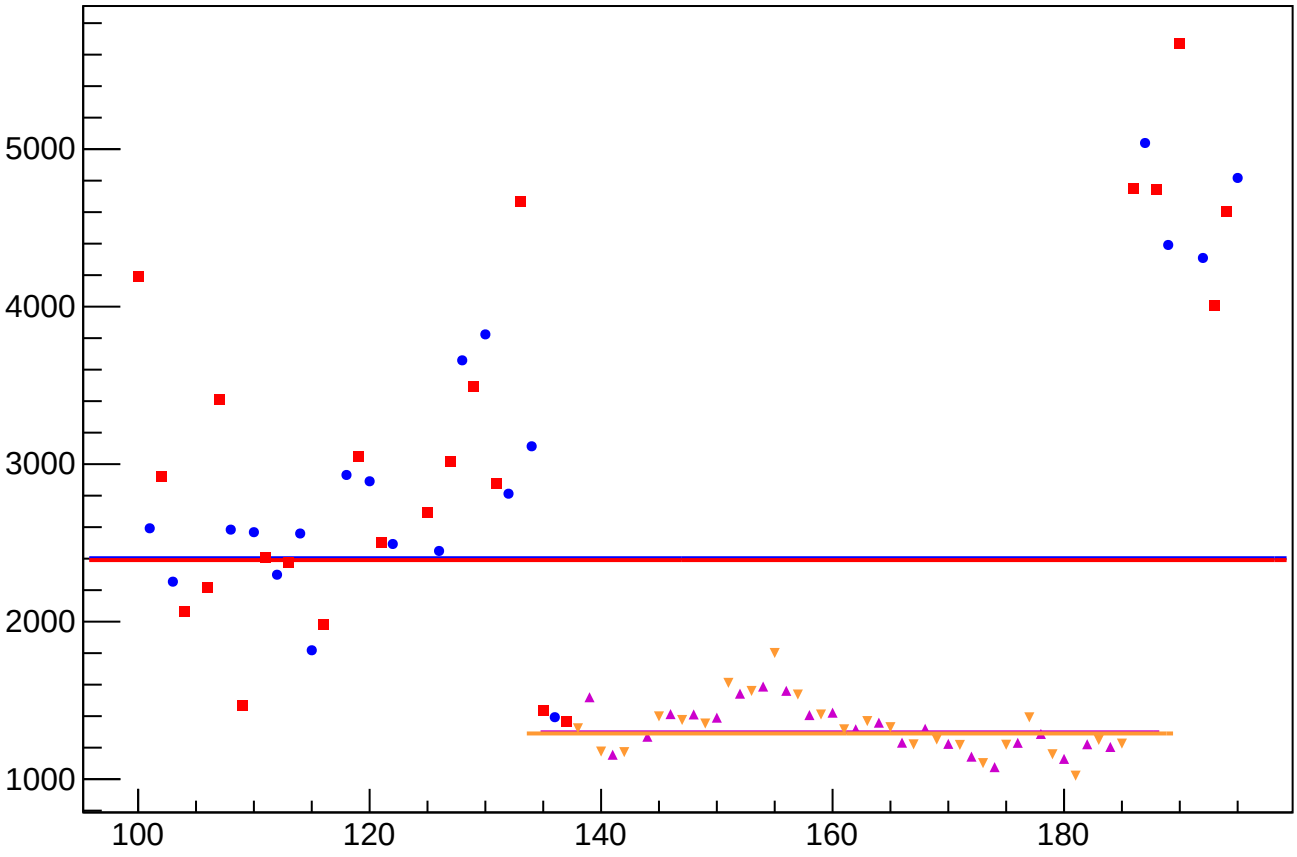
Right Out: -1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1193.574+/-283.998 χ^2/NDF: 90.9/43

All: -858.848+/-201.303 χ^2/NDF: 130.1/89

- sign -520.859+/-285.379 χ^2/NDF: 36.4/45



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

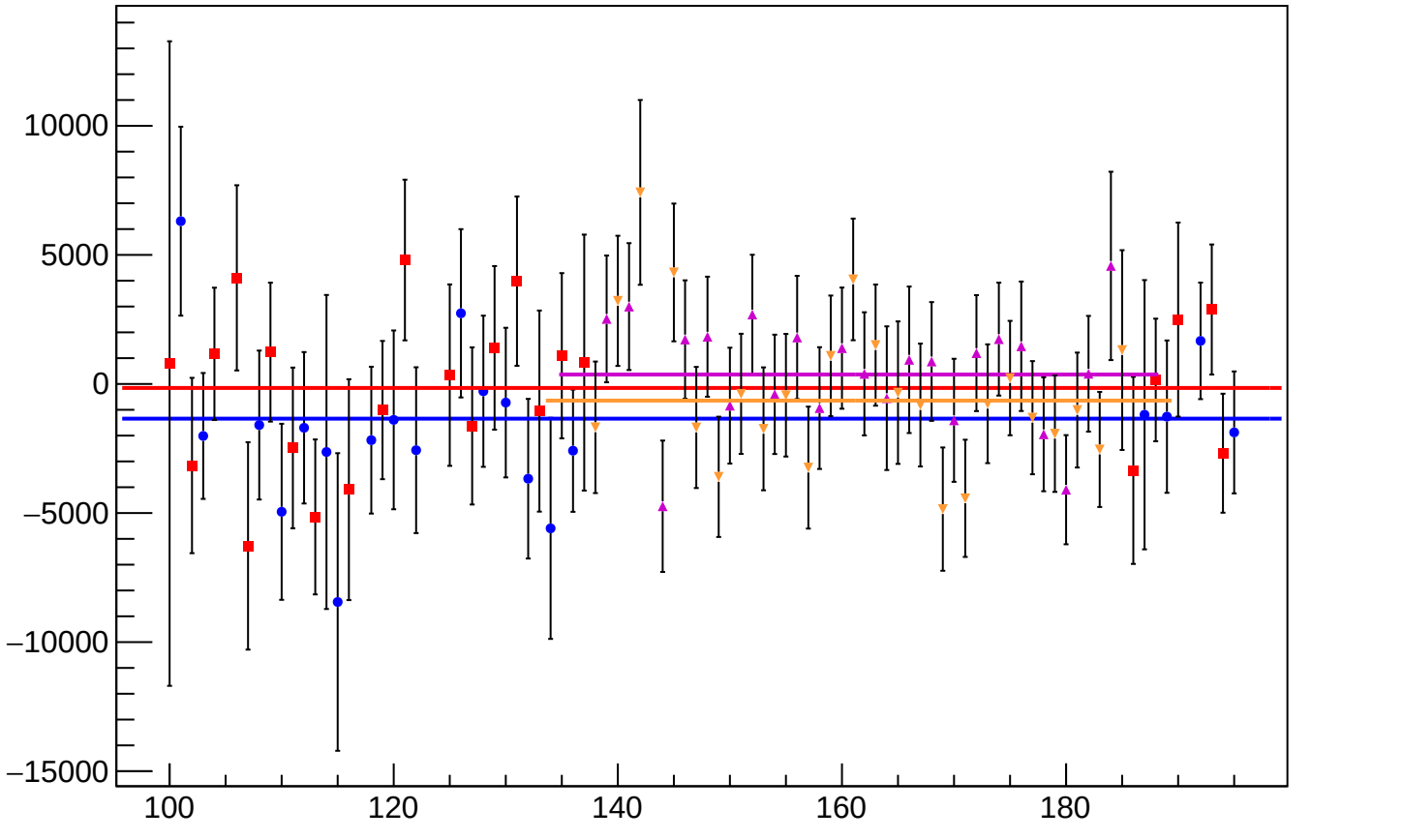
Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1421.925+/-0.201 χ^2/NDF: 6261298.9/43

All: 1428.921+/-0.142 χ^2/NDF: 13136963.9/8

- sign 1435.985+/-0.202 χ^2/NDF: 6873225.8/45



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: -154.265+/-660.696 χ^2/NDF: 18.1/22

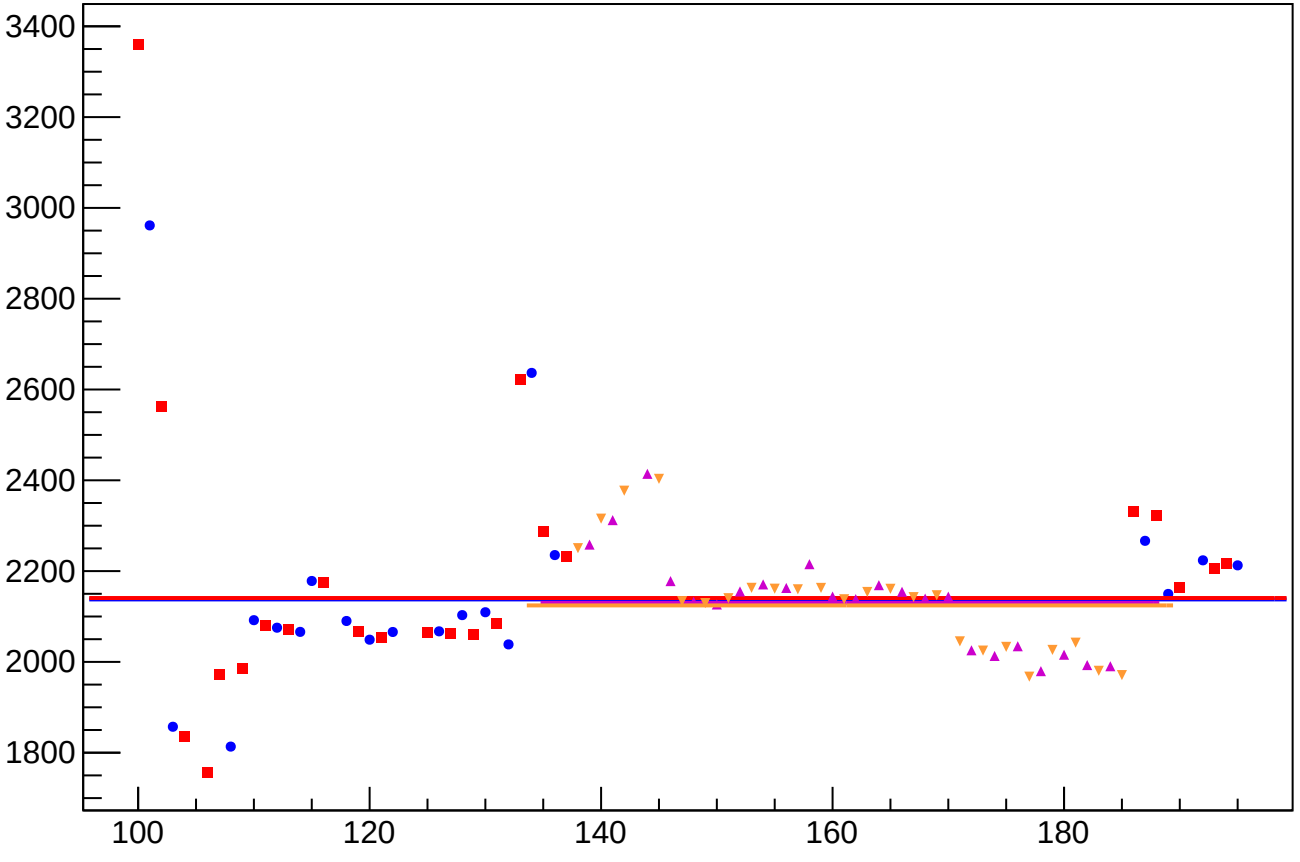
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -882.173+/-400.841 χ^2/NDF: 40.6/43

All: -347.838+/-282.295 χ^2/NDF: 80.0/89

- sign 177.971+/-397.630 χ^2/NDF: 35.8/45

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

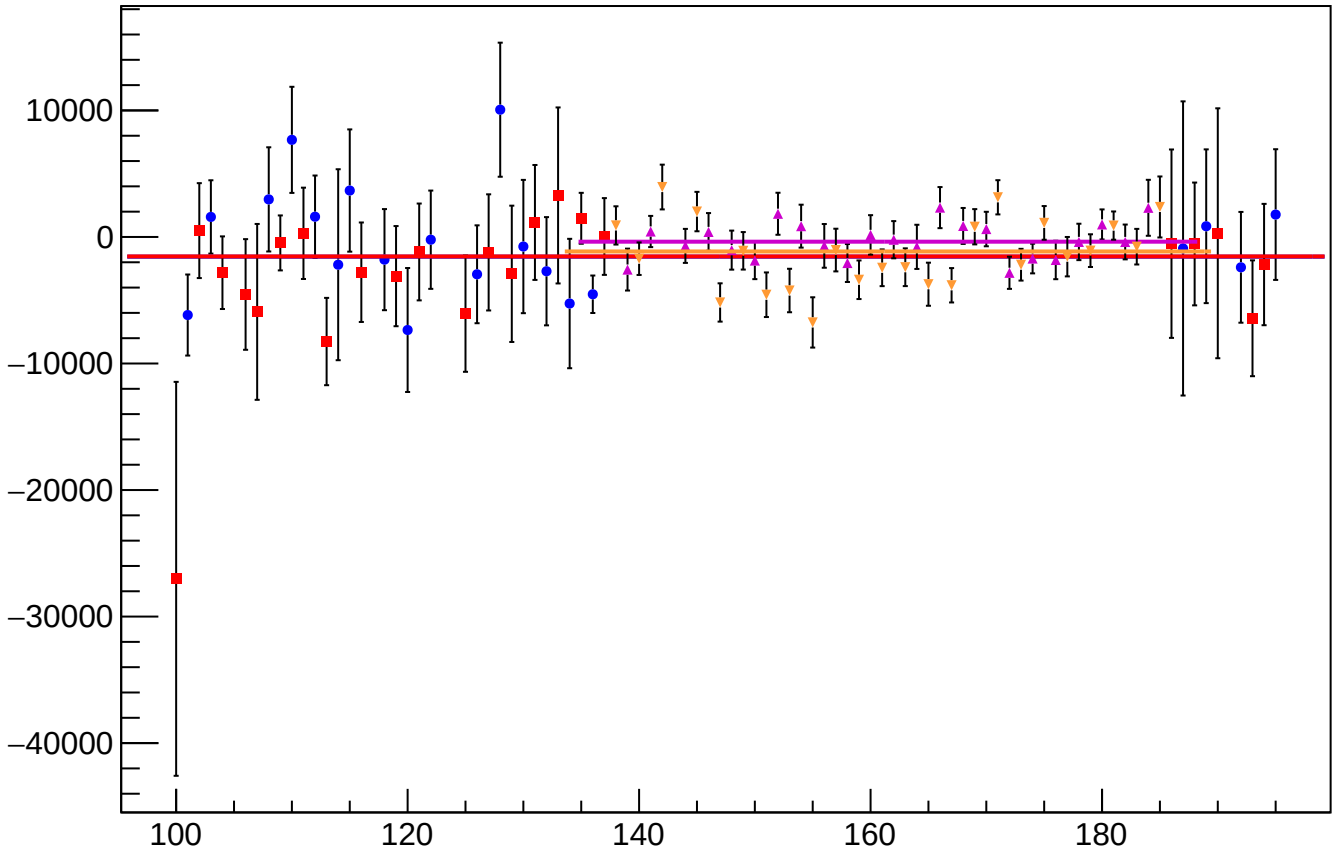
Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2128.939+/-0.283 χ^2/NDF: 287451.0/43

All: 2131.395+/-0.200 χ^2/NDF: 550181.4/89

- sign 2133.811+/-0.281 χ^2/NDF: 262581.5/45



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

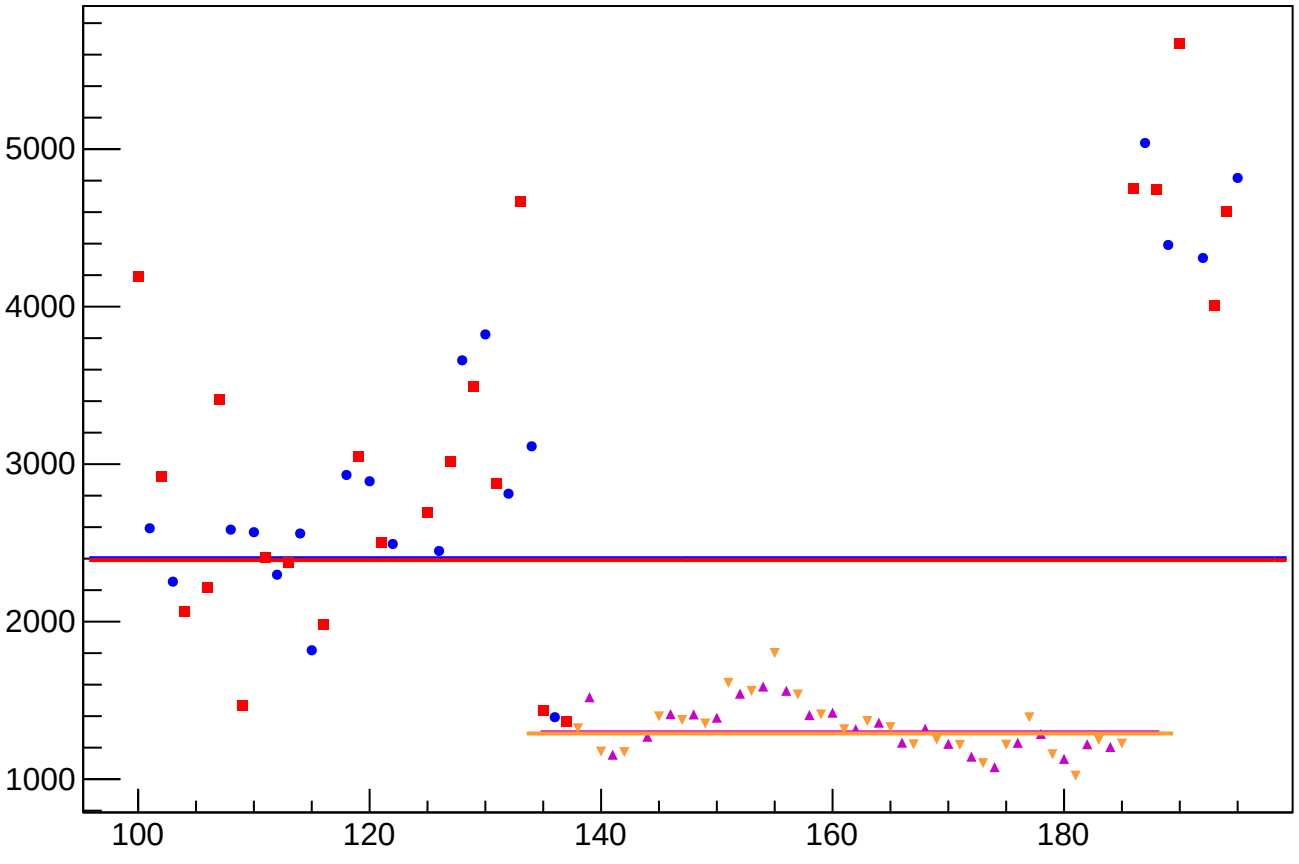
Right Out: -1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1193.574+/-283.998 χ^2/NDF: 90.9/43

All: -858.848+/-201.303 χ^2/NDF: 130.1/89

- sign -520.859+/-285.379 χ^2/NDF: 36.4/45



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

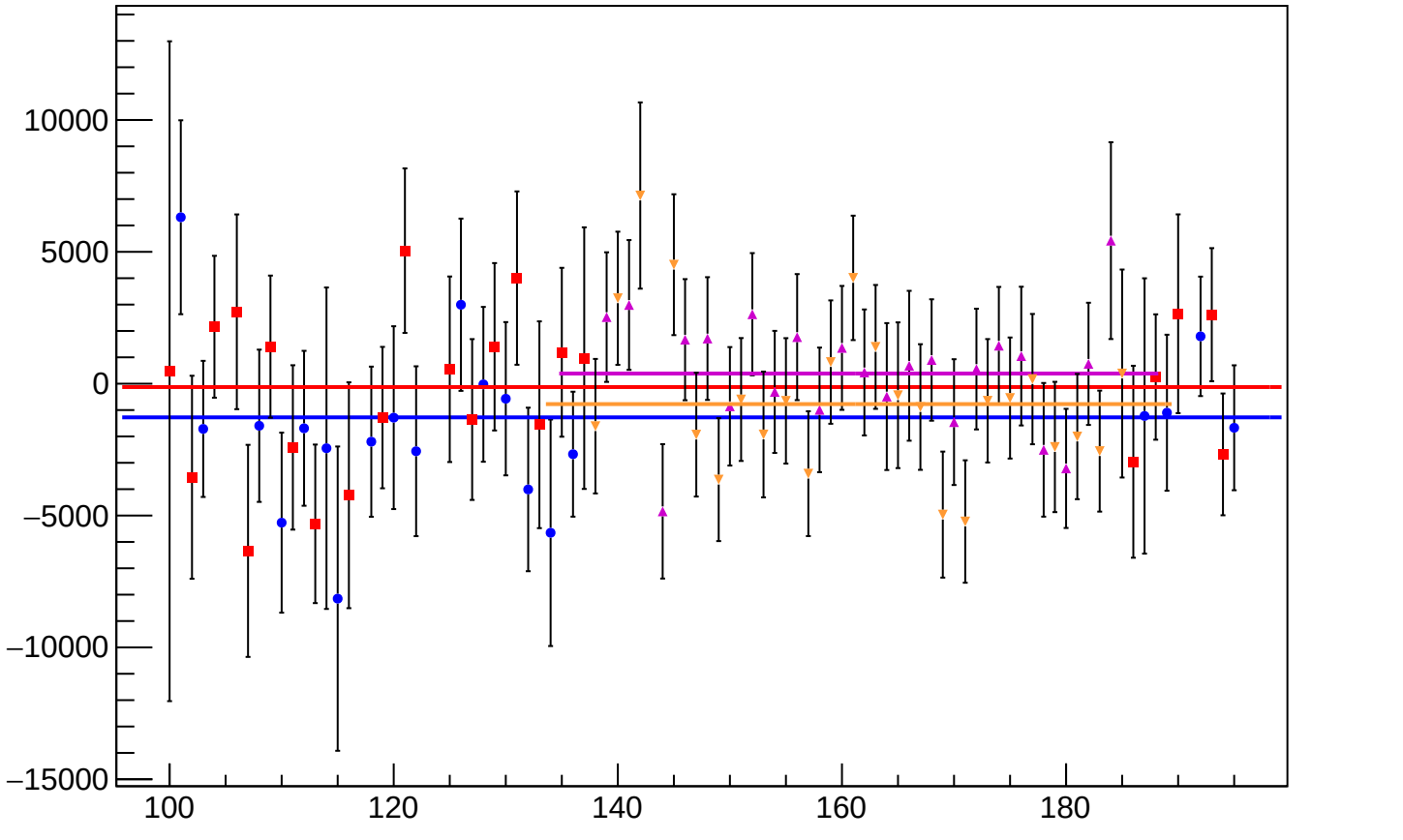
Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1421.925+/-0.201 χ^2/NDF: 6261298.9/43

All: 1428.921+/-0.142 χ^2/NDF: 13136963.9/8

- sign 1435.985+/-0.202 χ^2/NDF: 6873225.8/45



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: -127.213+/-667.243 χ^2/NDF: 18.1/22

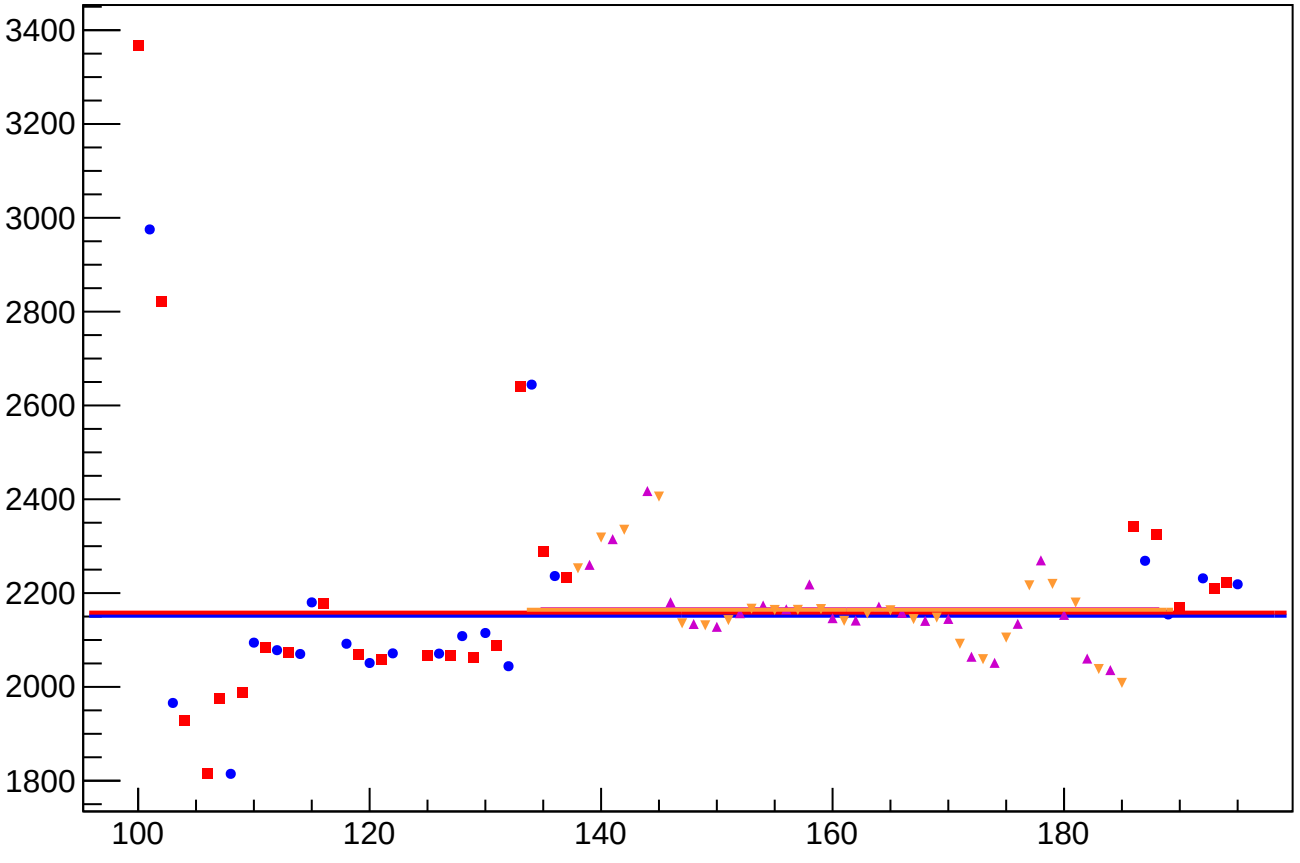
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -947.820+/-406.555 χ^2/NDF: 42.3/43

All: -370.105+/-286.286 χ^2/NDF: 80.5/89

\- sign 198.130+/-403.206 χ^2/NDF: 34.2/45

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

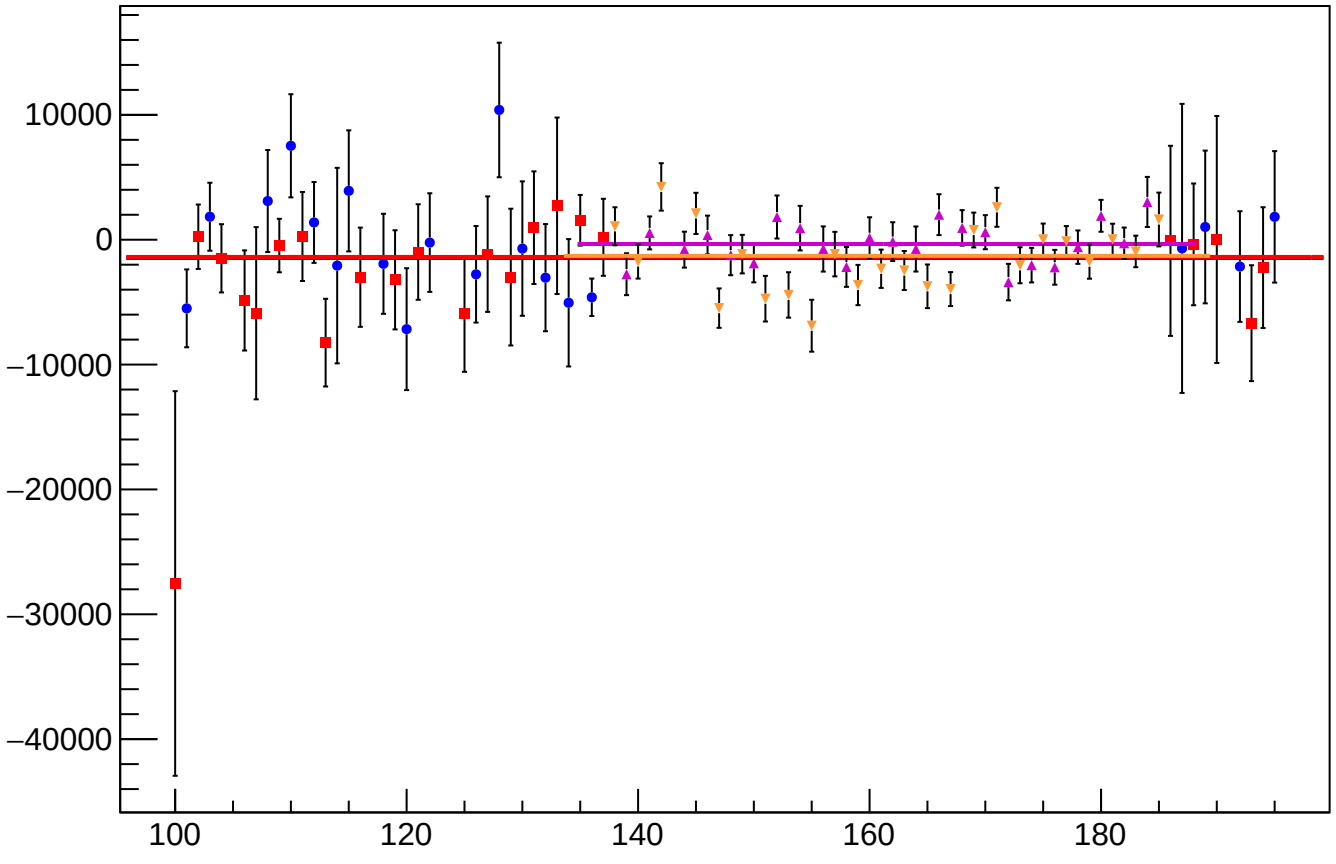
Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.7/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2160.103+/-0.287 χ^2/NDF: 233468.3/43

All: 2161.557+/-0.202 χ^2/NDF: 471808.1/89

- sign 2162.988+/-0.285 χ^2/NDF: 238289.0/45



Right In: -1456.230+/-823.652 χ^2/NDF: 23.2/19

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

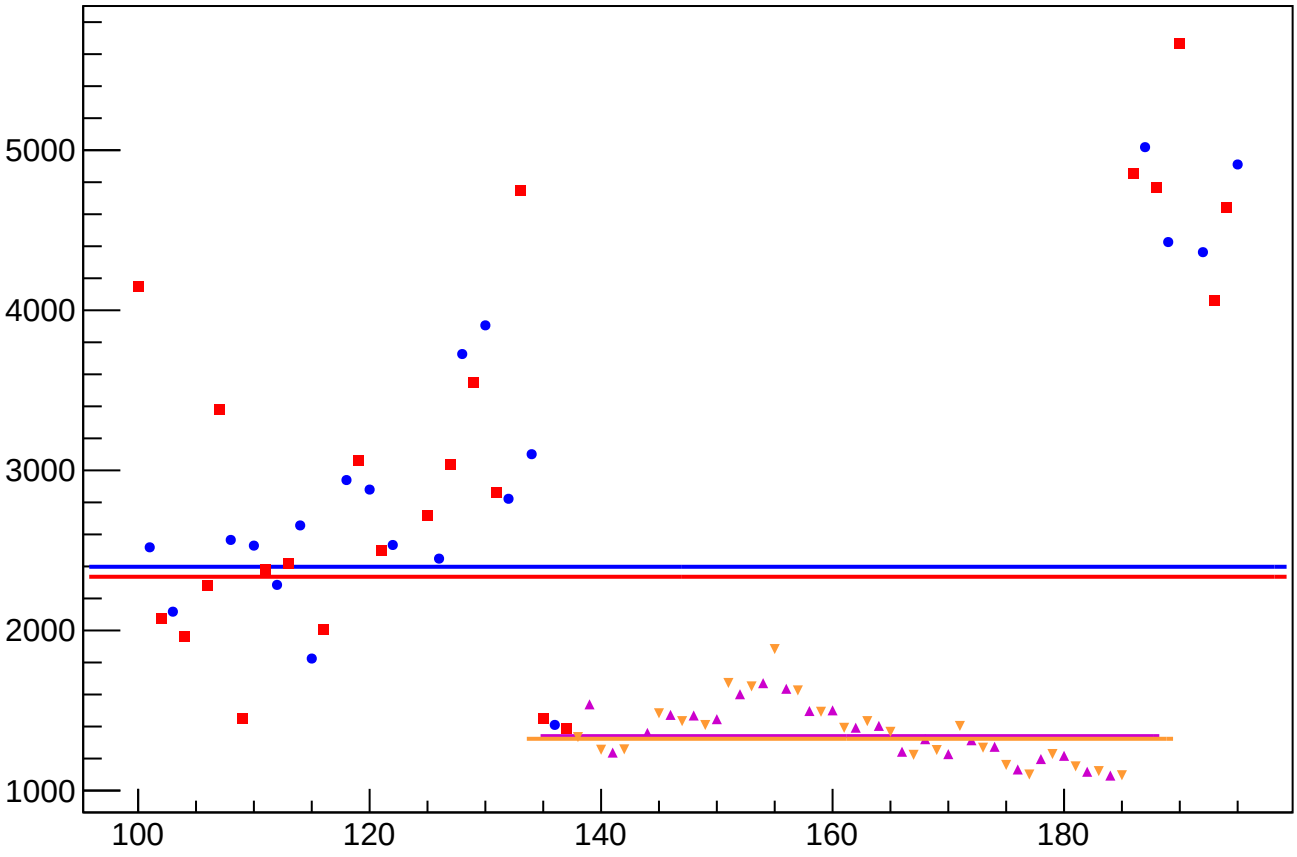
Right Out: -1378.257+/-779.272 χ^2/NDF: 14.5/22

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1313.951+/-290.640 χ^2/NDF: 81.9/43

All: -903.279+/-206.166 χ^2/NDF: 126.8/89

- sign -487.353+/-292.494 χ^2/NDF: 40.8/45



Right In: 2397.901+/-0.582 χ^2/NDF: 2497875.2/19

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

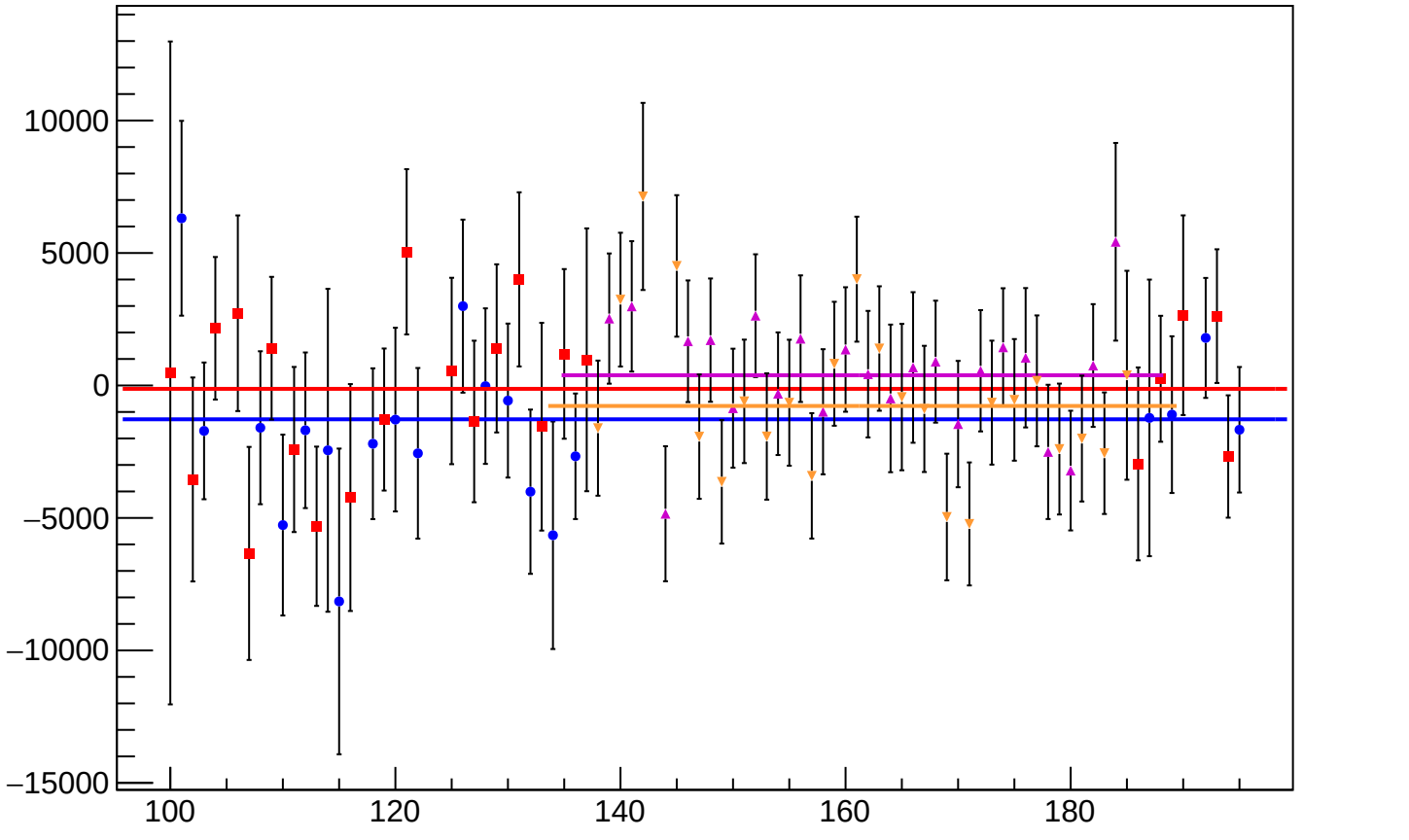
Right Out: 2335.487+/-0.551 χ^2/NDF: 3222930.9/22

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1457.195+/-0.206 χ^2/NDF: 6141642.7/43

All: 1468.683+/-0.146 χ^2/NDF: 12668644.7/8

- sign 1480.319+/-0.207 χ^2/NDF: 6520712.0/45



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: -127.209+/-667.243 χ^2/NDF: 18.1/22

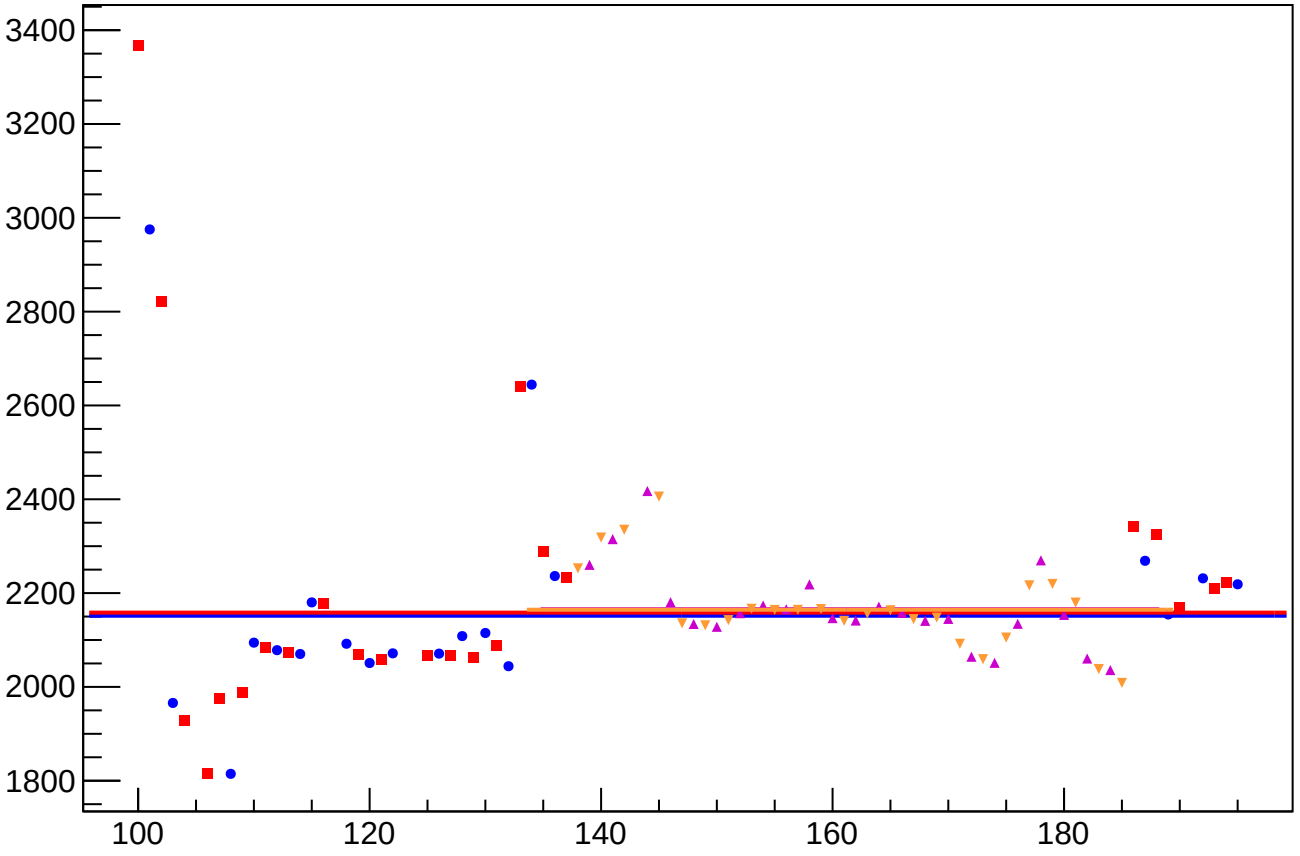
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -947.818+/-406.555 χ^2/NDF: 42.3/43

All: -370.103+/-286.286 χ^2/NDF: 80.5/89

\- sign 198.131+/-403.206 χ^2/NDF: 34.2/45

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

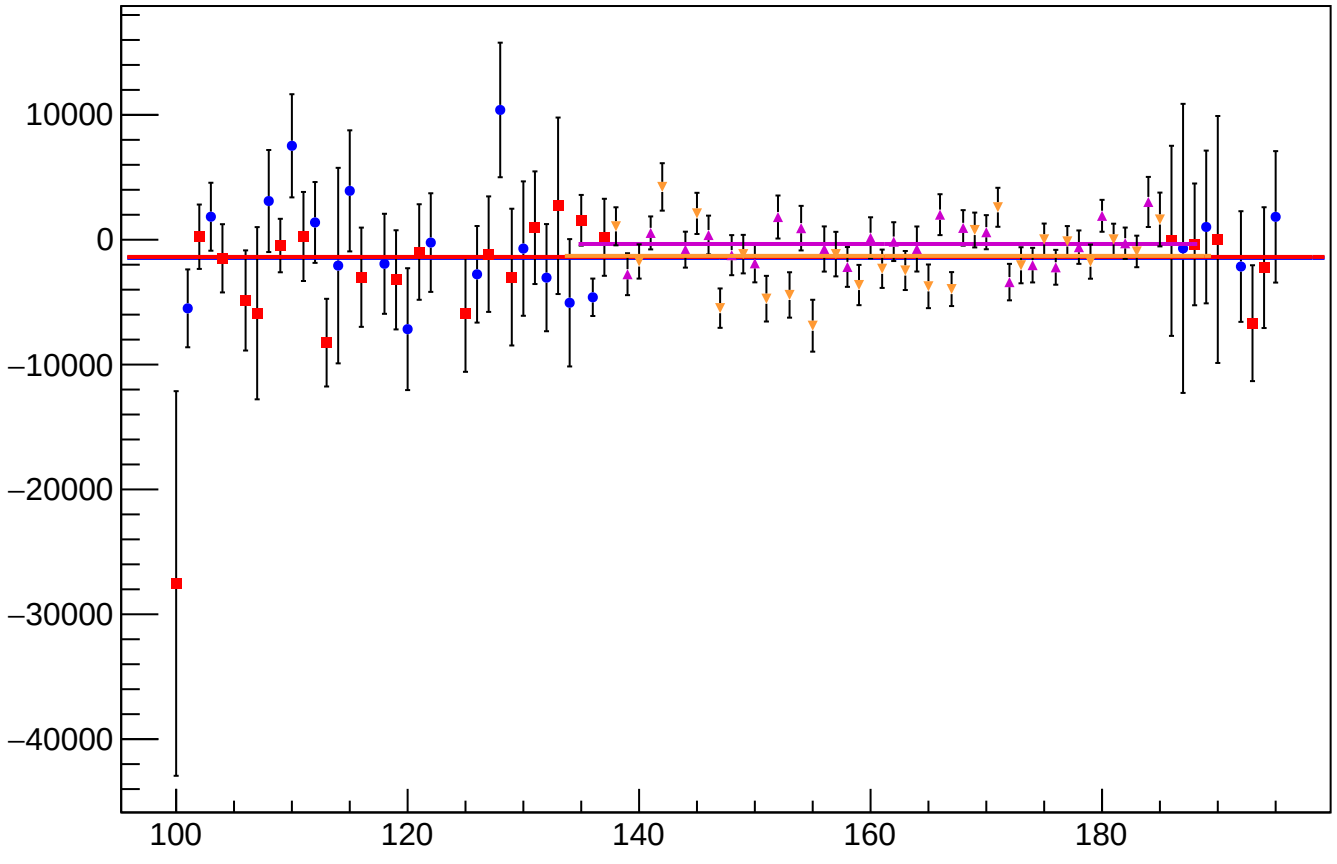
Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.6/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2160.102+/-0.287 χ^2/NDF: 233468.3/43

All: 2161.557+/-0.202 χ^2/NDF: 471808.0/89

- sign 2162.987+/-0.285 χ^2/NDF: 238288.9/45



Right In: -1456.217+/-823.654 χ^2/NDF: 23.2/19

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

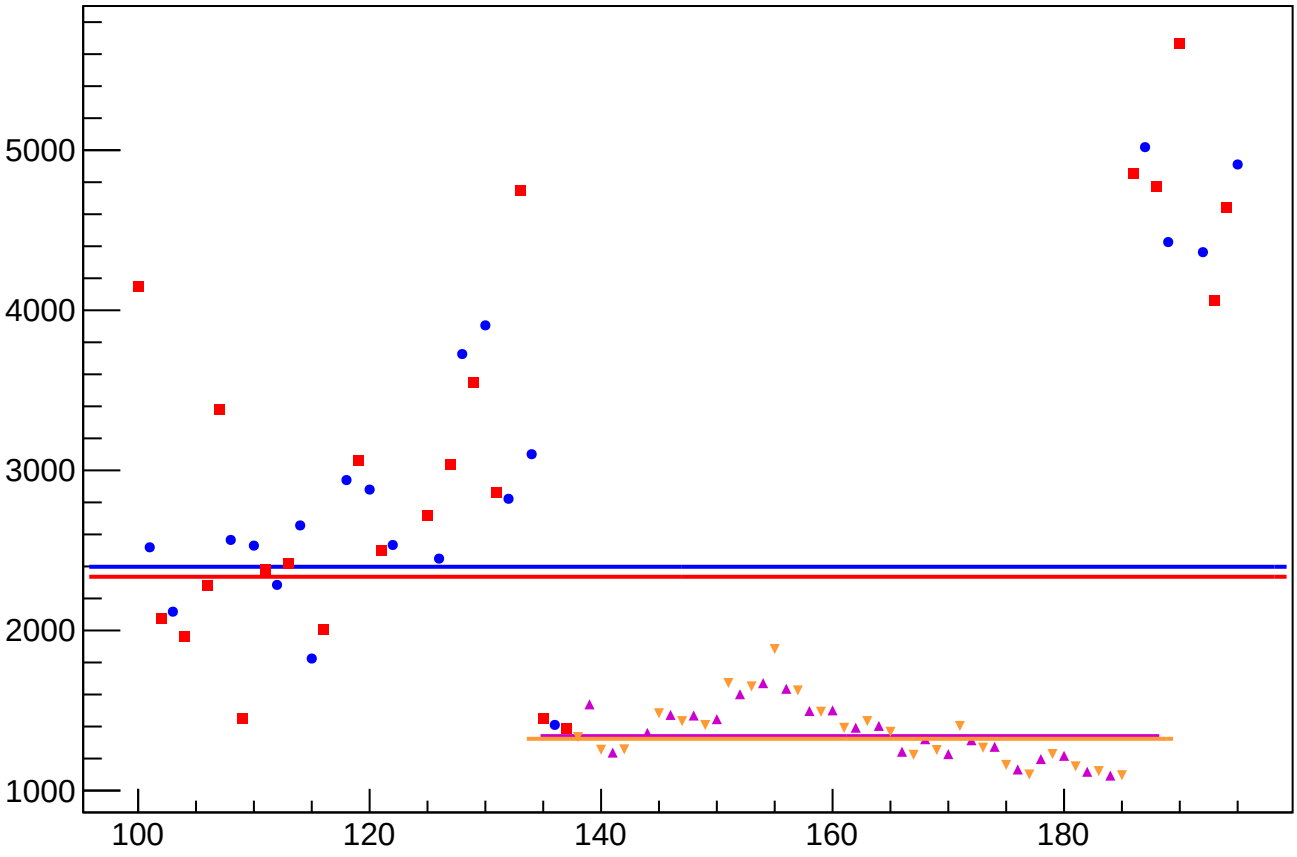
Right Out: -1378.273+/-779.274 χ^2/NDF: 14.5/22

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1313.951+/-290.641 χ^2/NDF: 81.9/43

All: -903.278+/-206.166 χ^2/NDF: 126.8/89

- sign -487.352+/-292.494 χ^2/NDF: 40.8/45



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: 2335.500+/-0.551 χ^2/NDF: 3222859.9/22

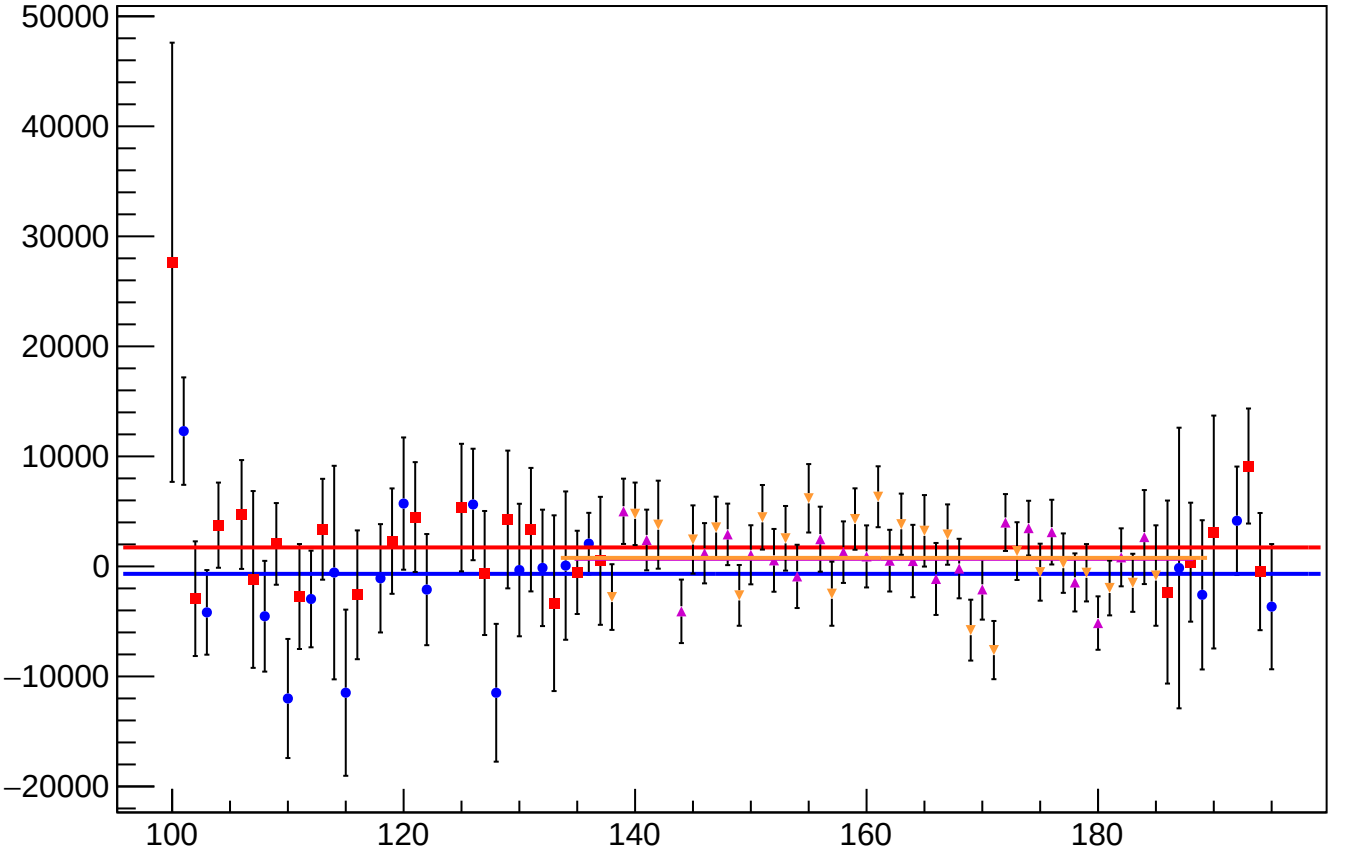
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1457.195+/-0.206 χ^2/NDF: 6141619.8/43

All: 1468.683+/-0.146 χ^2/NDF: 12668622.7/8

- sign 1480.318+/-0.207 χ^2/NDF: 6520713.5/45

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: 1725.167+/-1116.334 χ^2/NDF: 9.2/22

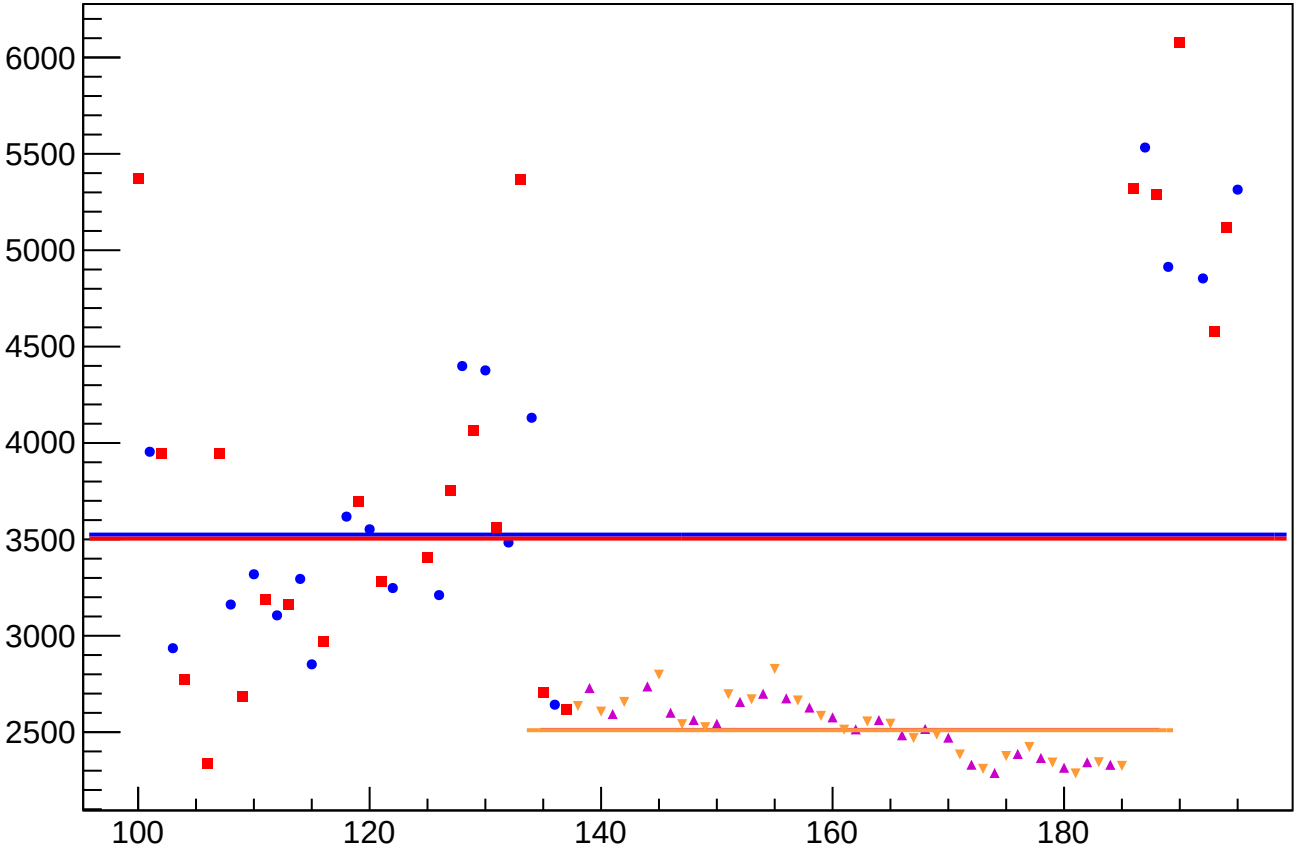
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 479.918+/-521.026 χ^2/NDF: 63.8/43

All: 697.682+/-368.005 χ^2/NDF: 92.4/89

\- sign 914.465+/-519.850 χ^2/NDF: 28.2/45

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

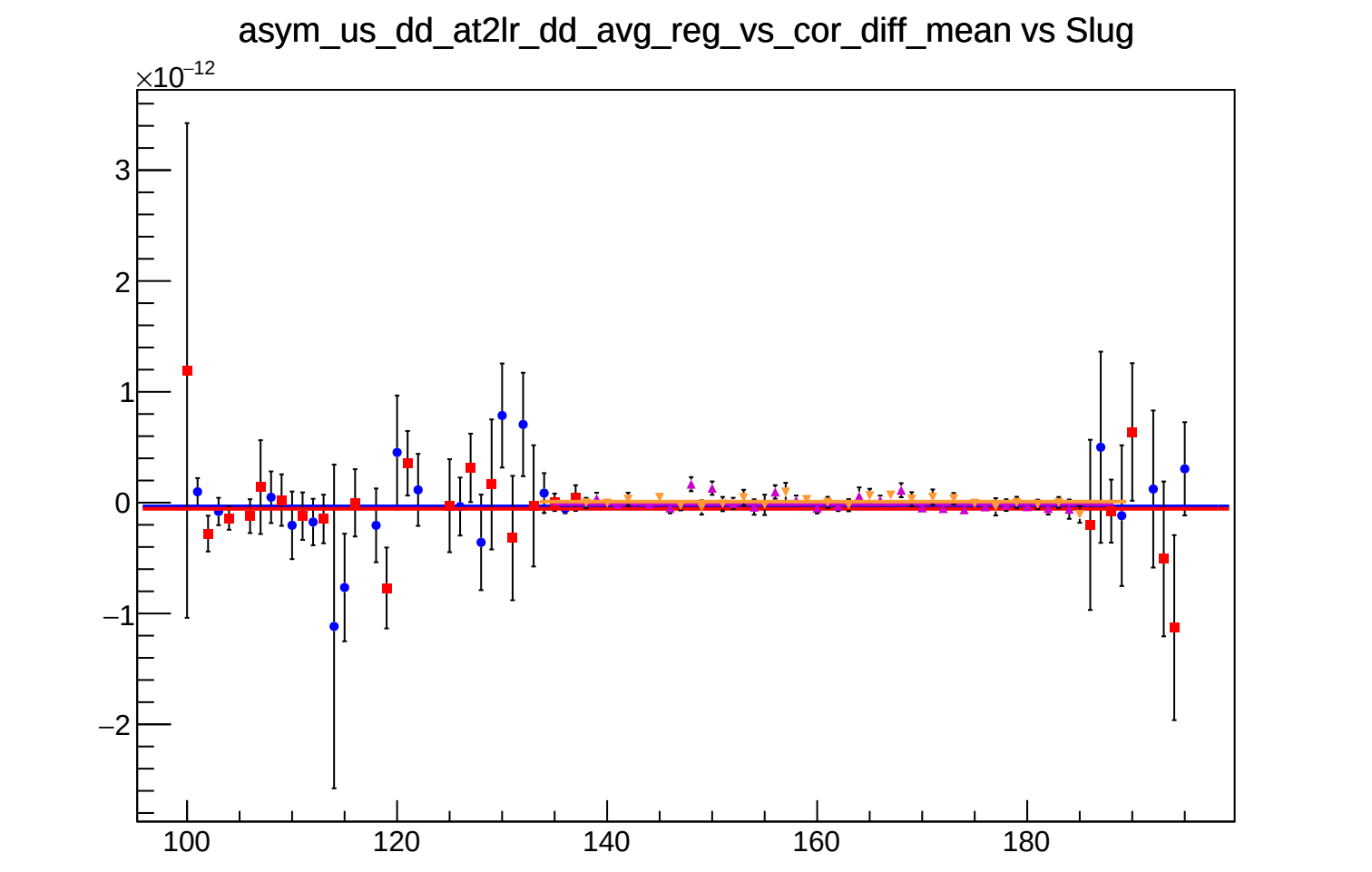
Right Out: 3504.045+/-0.789 χ^2/NDF: 1325886.3/22

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2716.264+/-0.368 χ^2/NDF: 2252852.1/43

All: 2721.559+/-0.260 χ^2/NDF: 4930562.2/89

- sign 2726.830+/-0.368 χ^2/NDF: 2677297.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

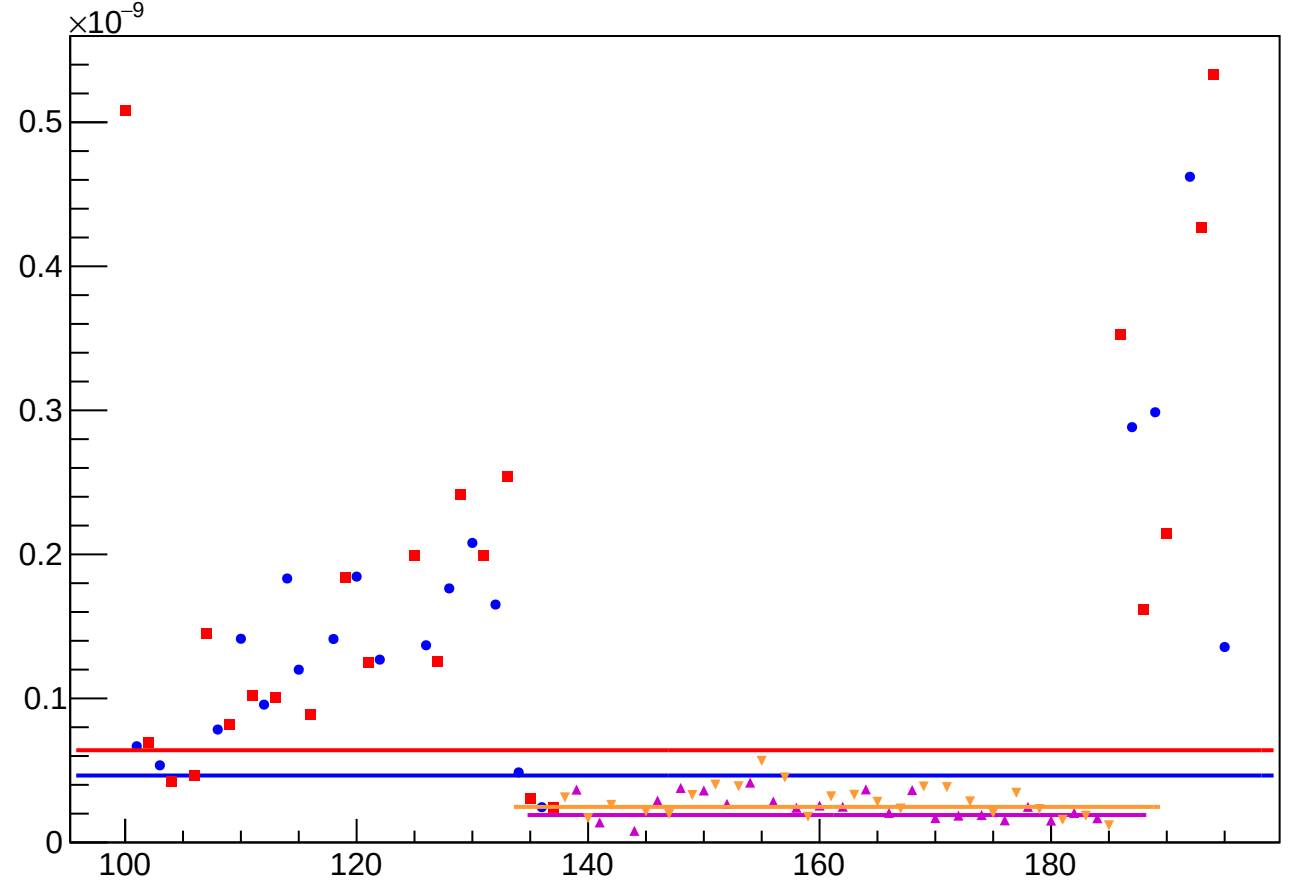
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/22

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: 78.4/89

- sign -0.000+/-0.000 χ^2/NDF: 47.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 3491120.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3940512.2/22

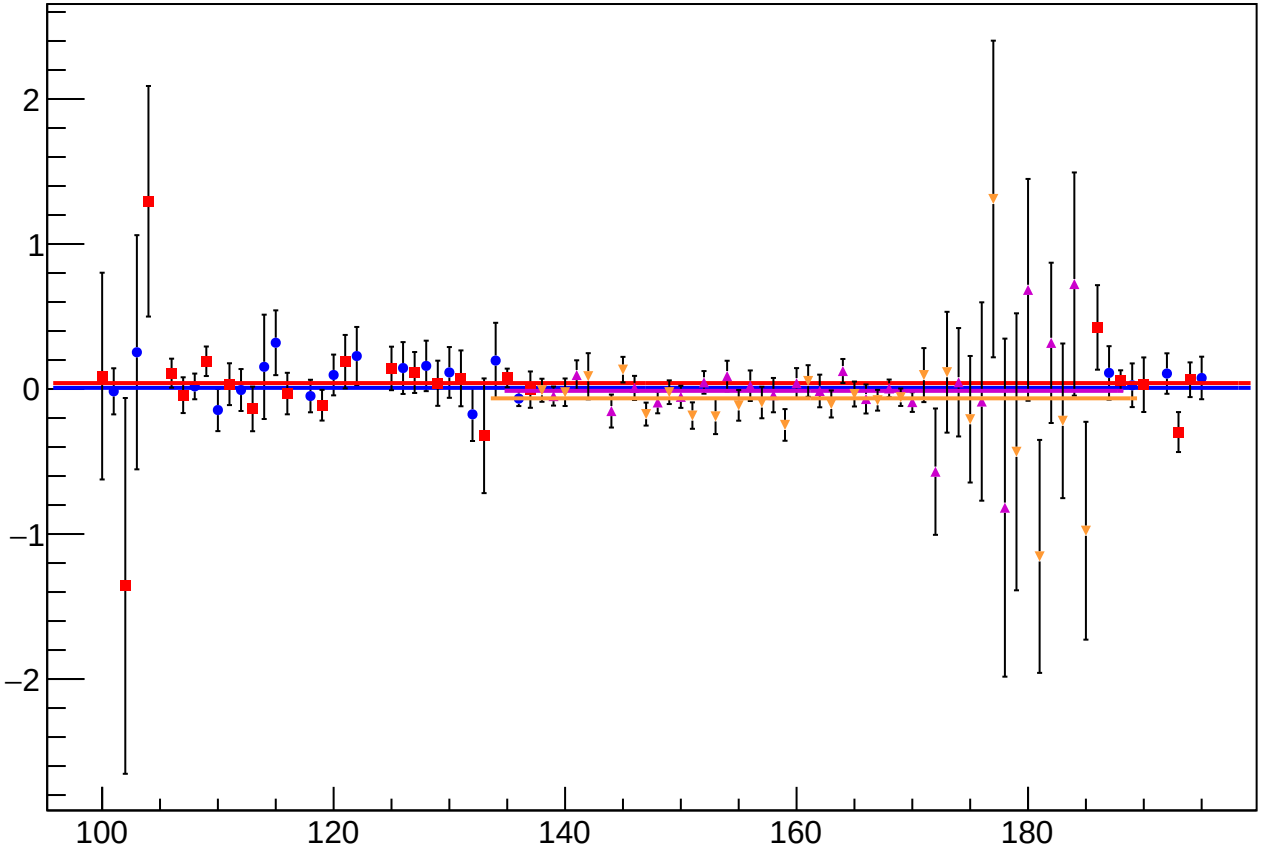
Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5655928.3/43

All: 0.000+/-0.000 χ^2/NDF: 14326278.5/89

- sign 0.000+/-0.000 χ^2/NDF: 8279611.4/45

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

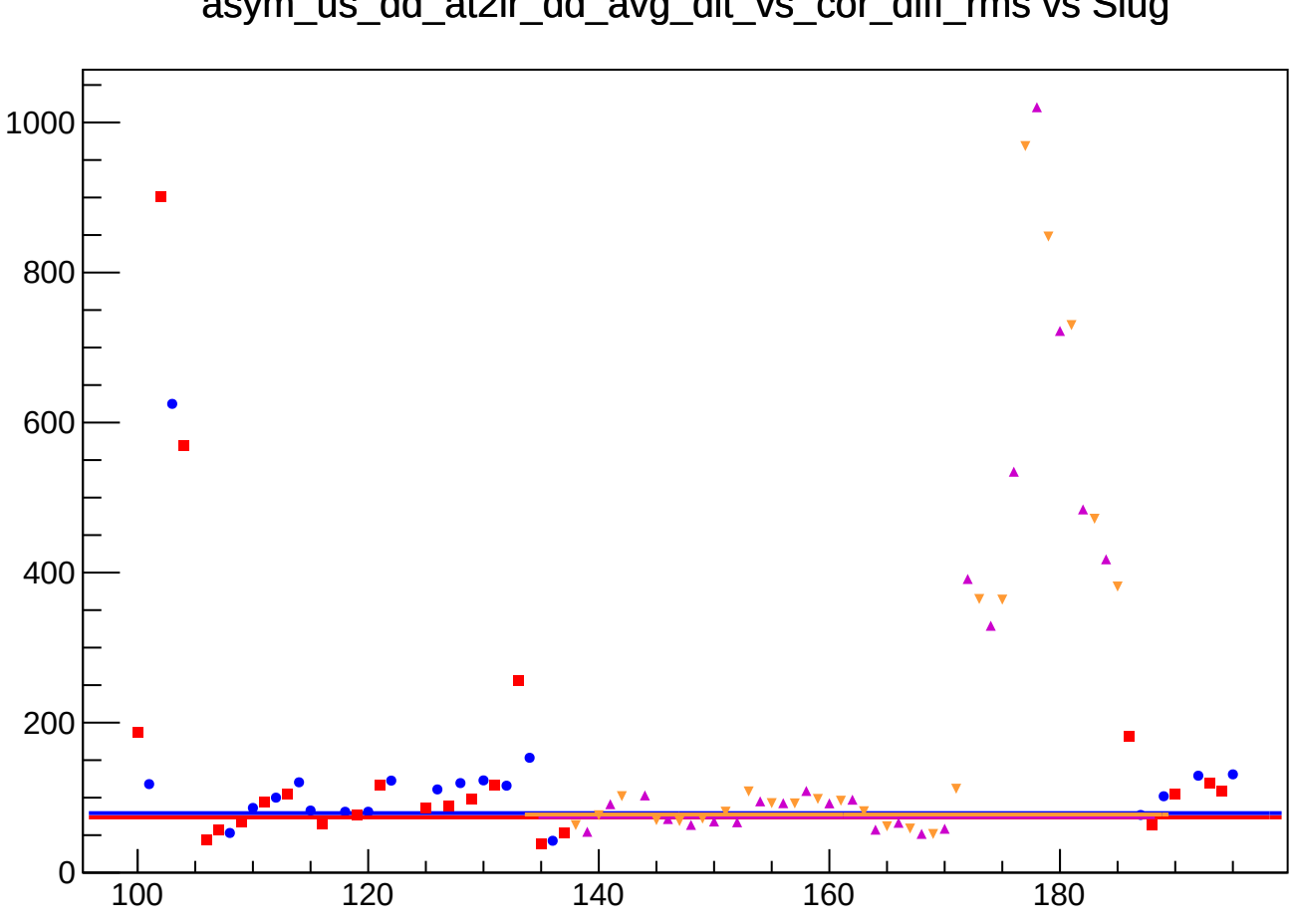
Right Out: 0.041+/-0.027 χ^2/NDF: 20.9/22

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: 79.6/89

- sign 0.008+/-0.017 χ^2/NDF: 38.4/45



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: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

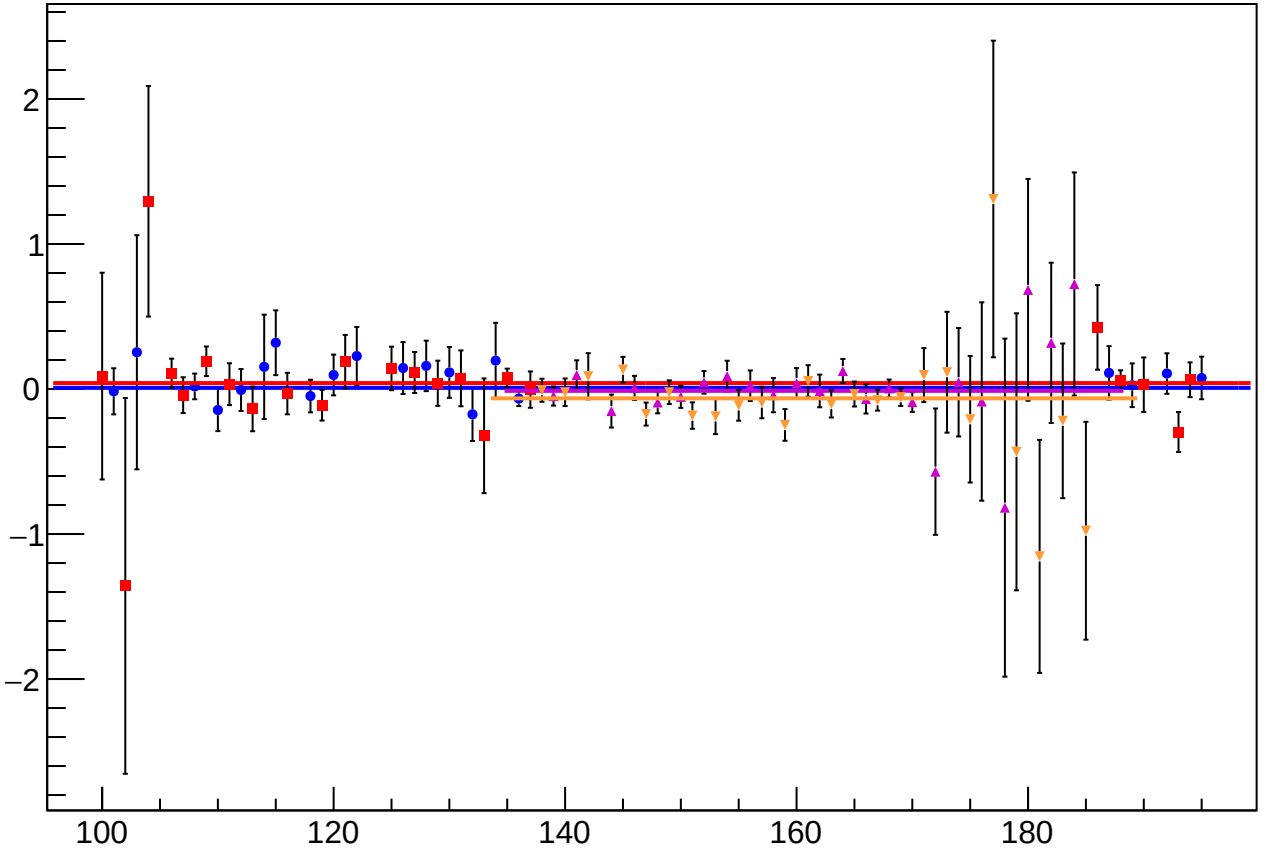
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.181+/-0.013 χ^2/NDF: 11812038.2/43

All: 75.979+/-0.009 χ^2/NDF: 24528847.4/89

- sign 74.032+/-0.012 χ^2/NDF: 12658699.0/45

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

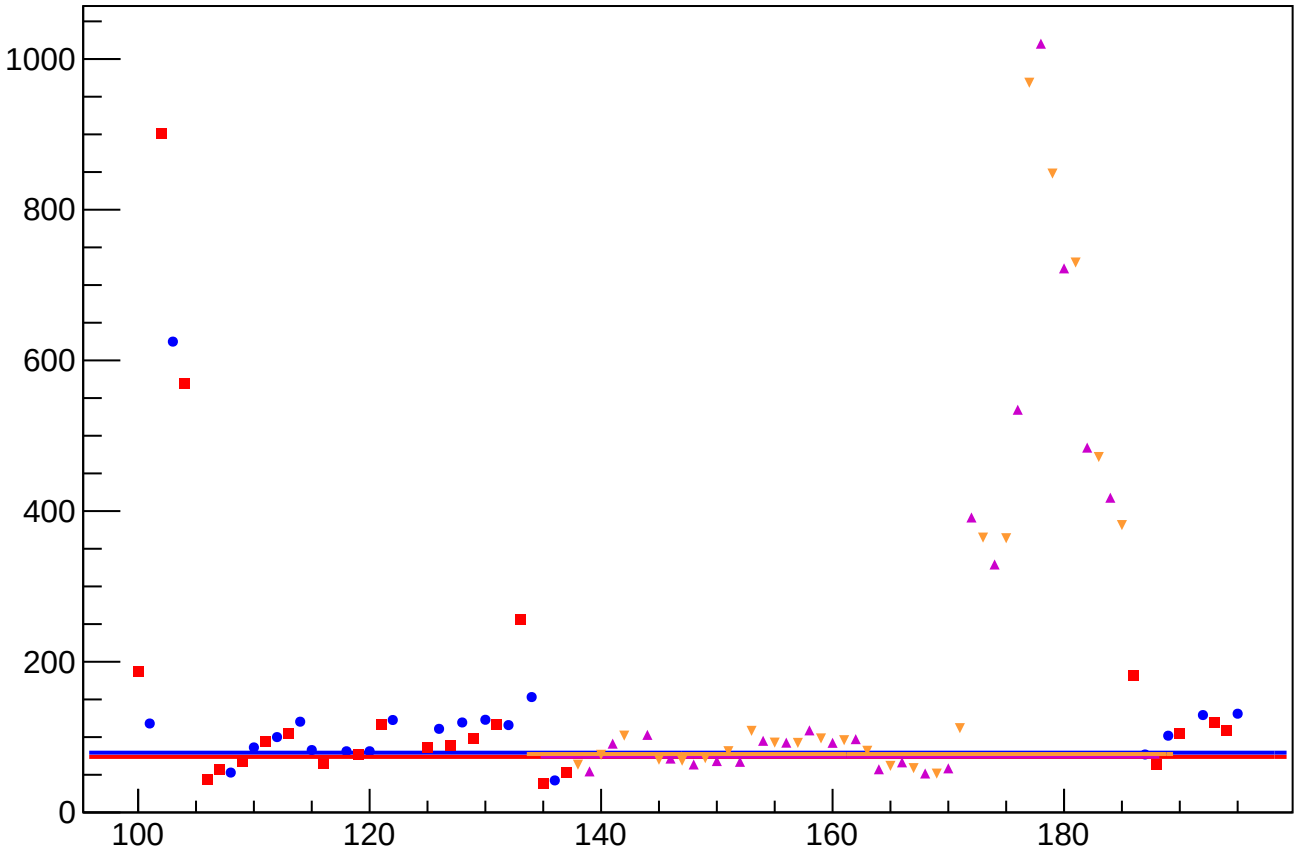
Right Out: 0.041+/-0.027 χ^2/NDF: 20.9/22

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: 79.6/89

- sign 0.008+/-0.017 χ^2/NDF: 38.4/45



Right In: 79.349+/-0.021 χ^2/NDF: 3476033.5/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

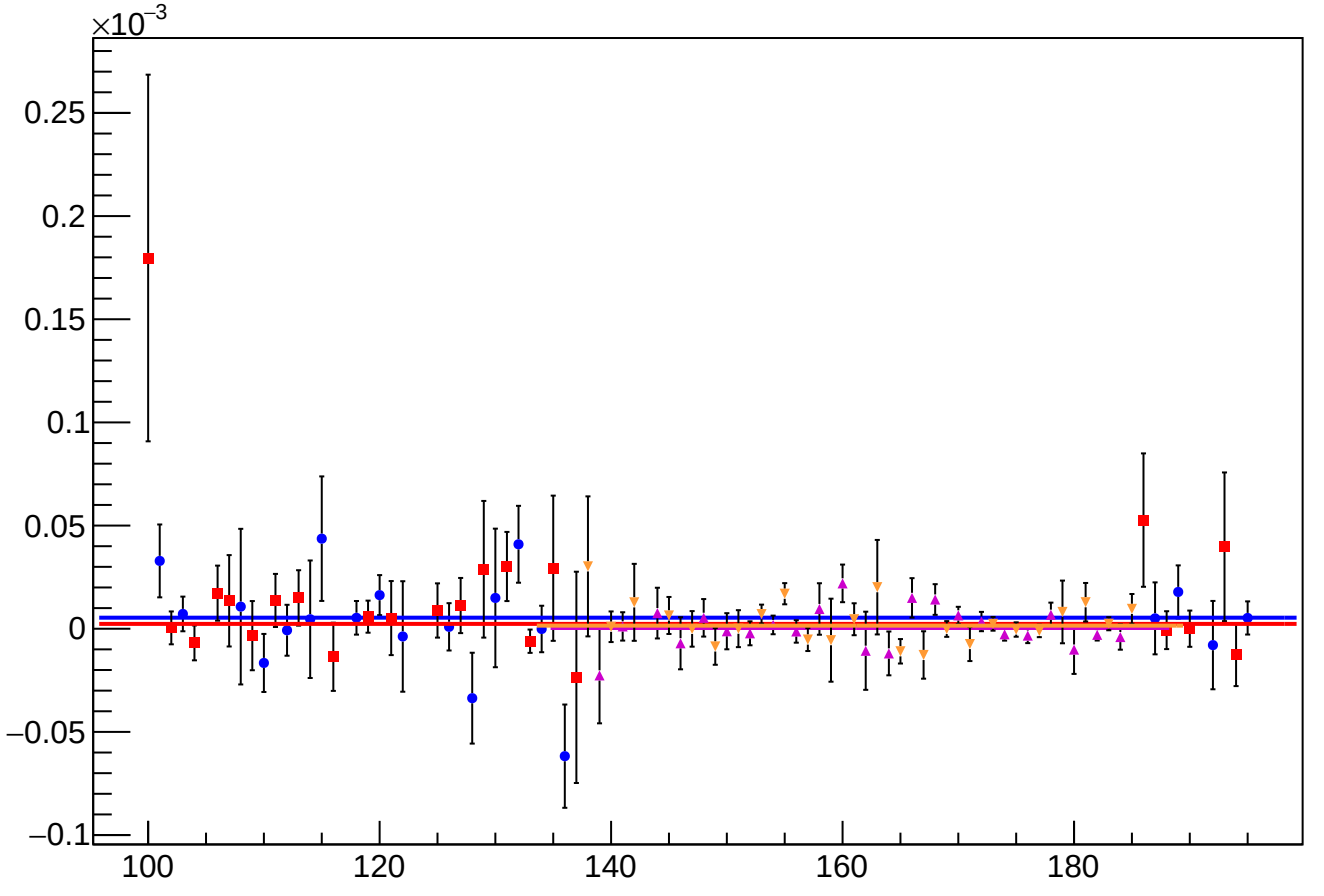
Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.181+/-0.013 χ^2/NDF: 11812038.2/43

All: 75.979+/-0.009 χ^2/NDF: 24528847.4/89

- sign 74.032+/-0.012 χ^2/NDF: 12658699.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

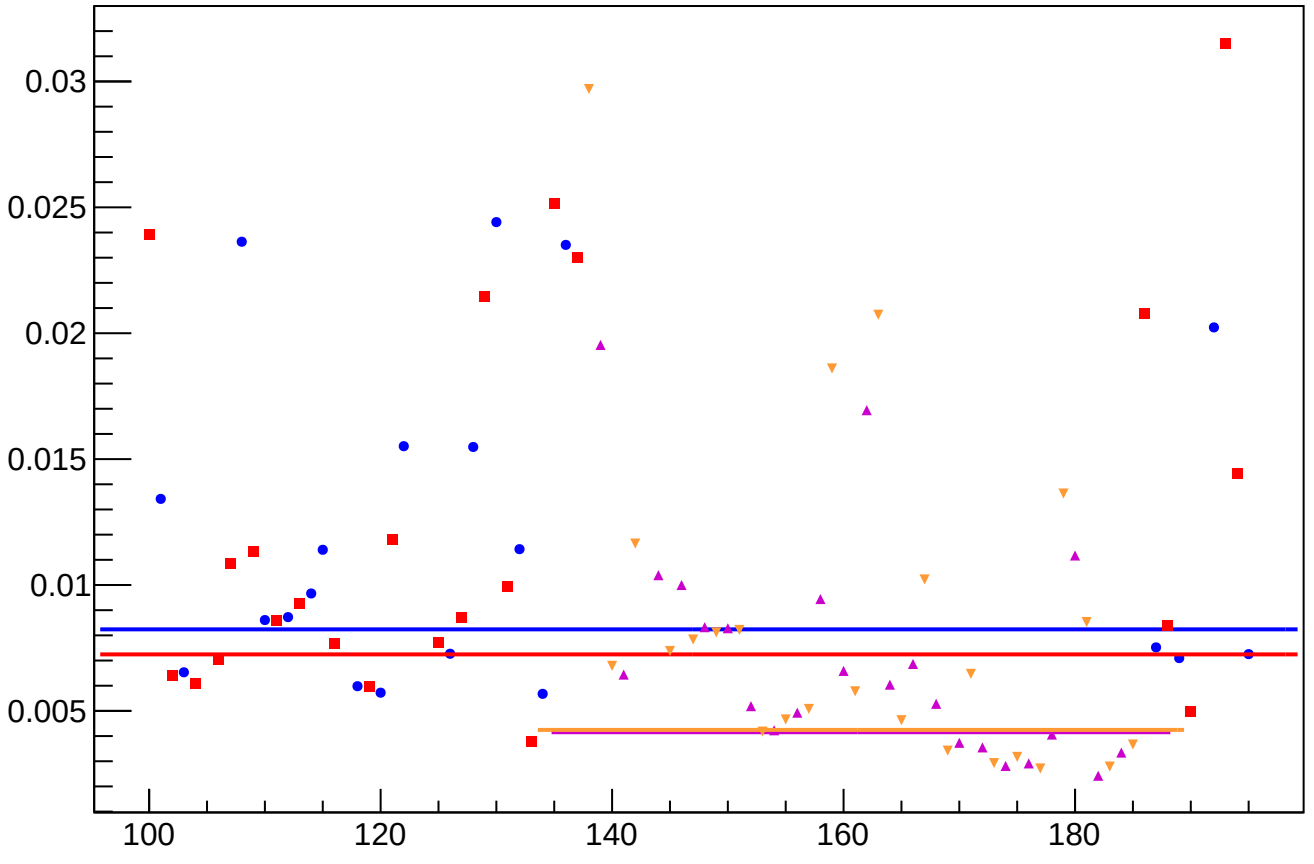
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

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: 99.7/89

- sign 0.000+/-0.000 χ^2/NDF: 46.6/45



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: 4340591.5/22

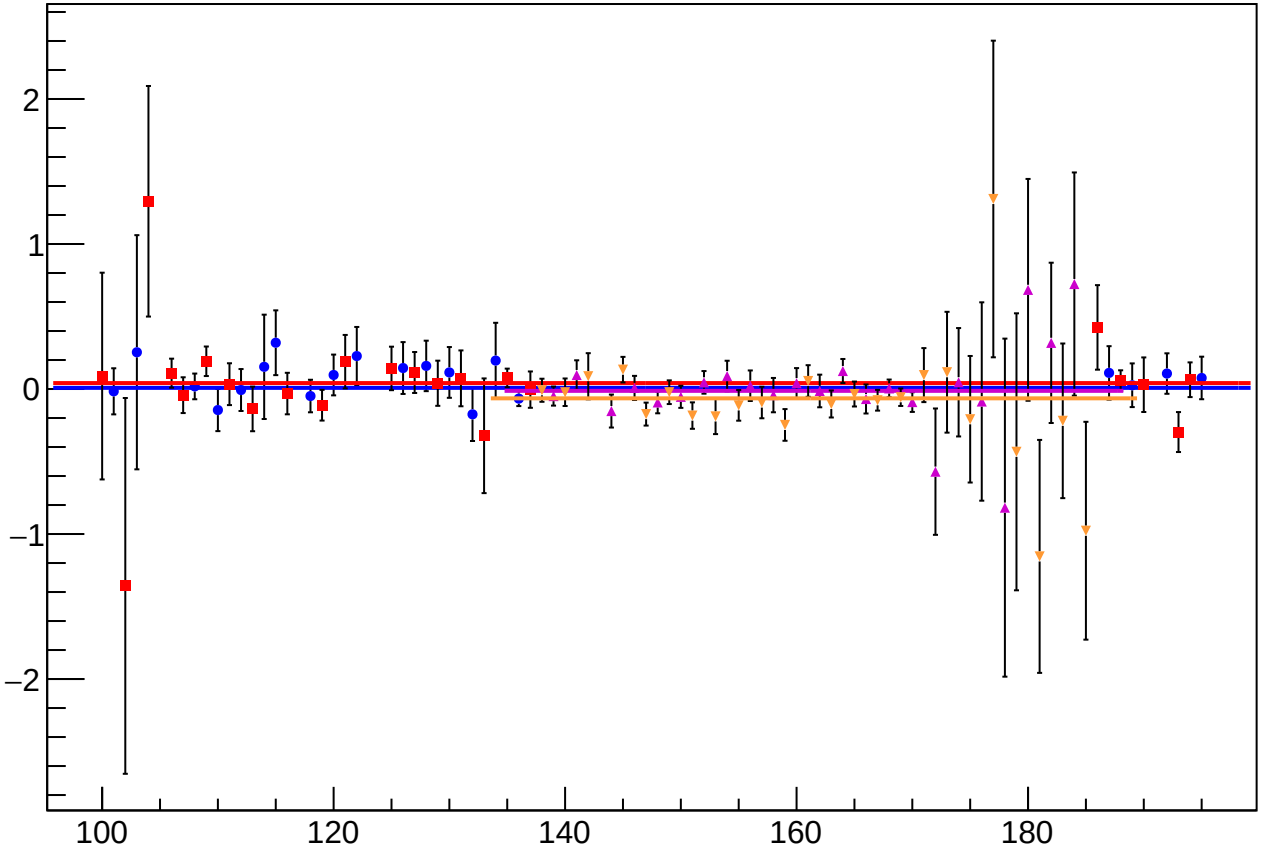
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 15018122.0/43

All: 0.005+/-0.000 χ^2/NDF: 28684430.4/89

- sign 0.005+/-0.000 χ^2/NDF: 13664491.2/45

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

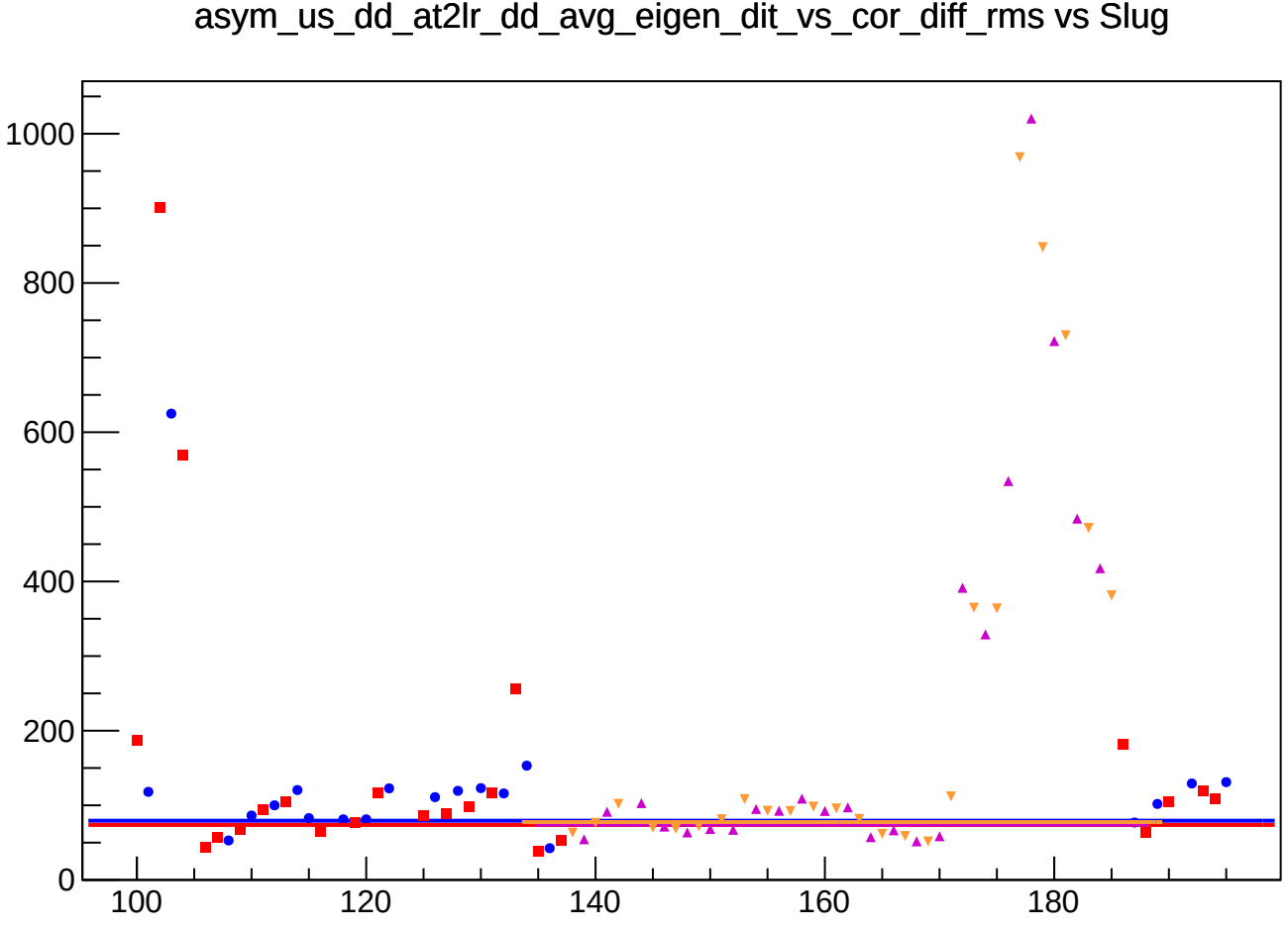
Right Out: 0.041+/-0.027 χ^2/NDF: 20.9/22

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: 79.7/89

- sign 0.008+/-0.017 χ^2/NDF: 38.4/45



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

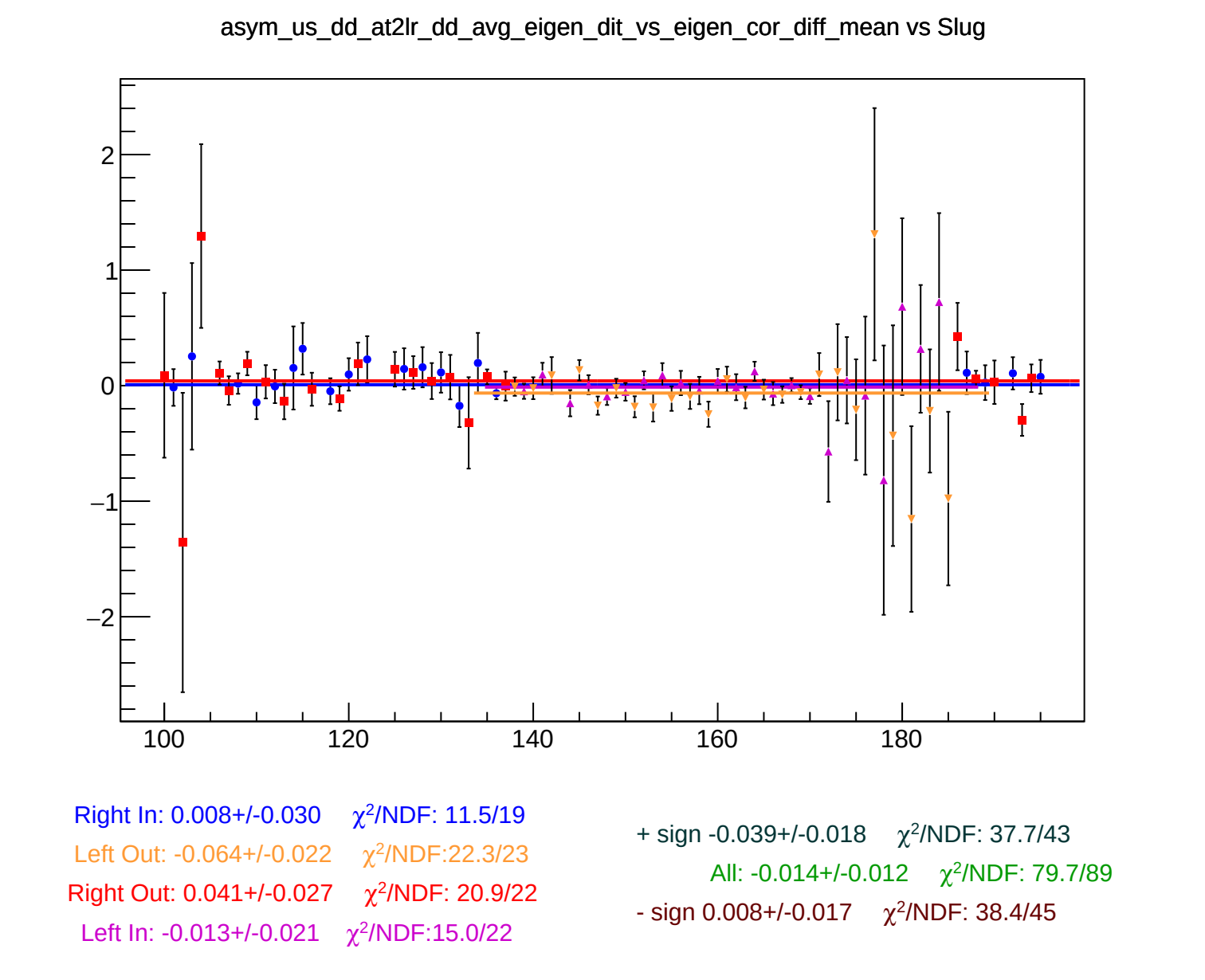
Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

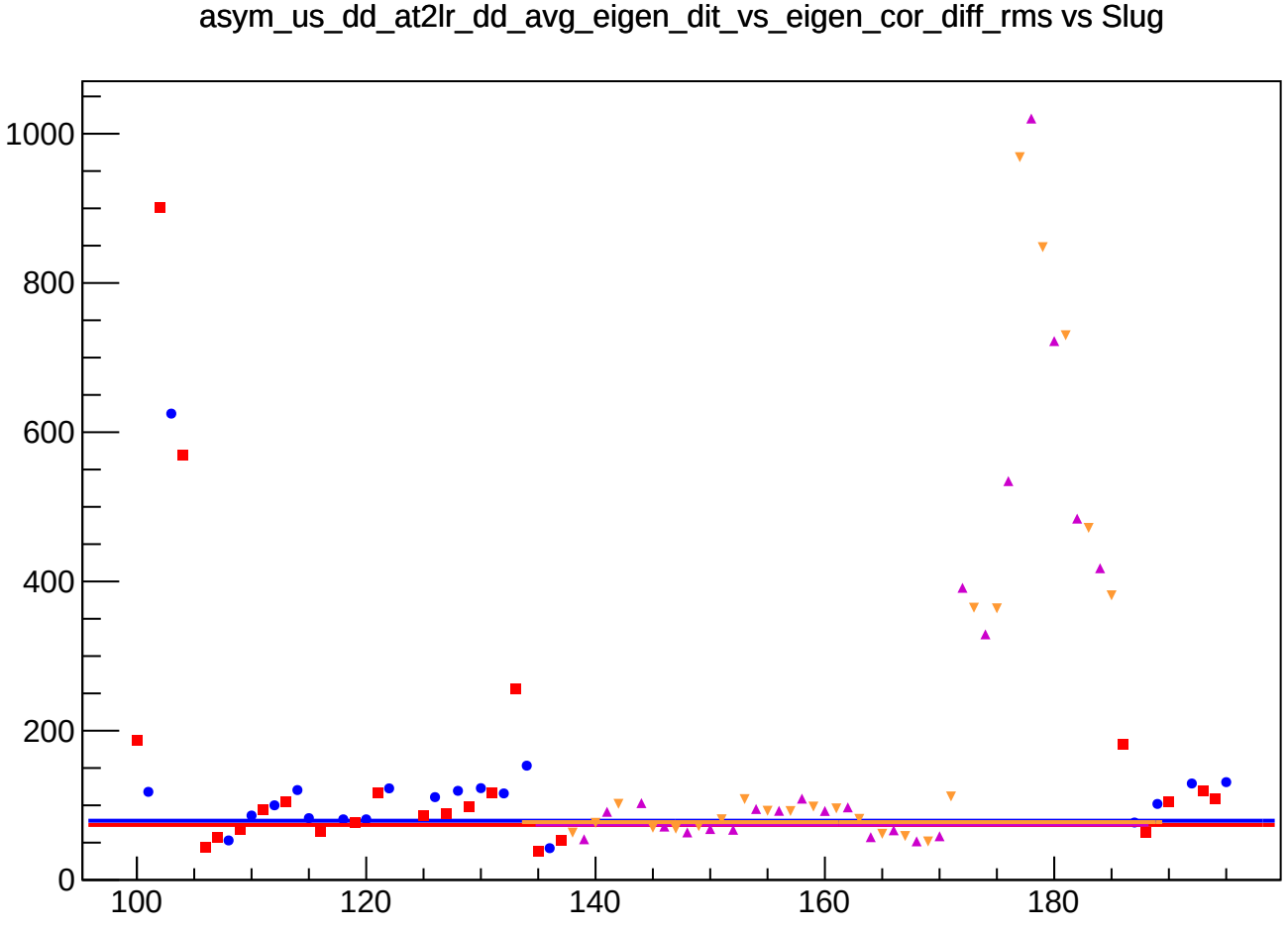
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.189+/-0.013 χ^2/NDF: 11809097.3/43

All: 75.981+/-0.009 χ^2/NDF: 24527038.2/89

- sign 74.030+/-0.012 χ^2/NDF: 12659541.8/45


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.008+/-0.030 χ²/NDF: 11.5/19
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.041+/-0.027 χ²/NDF: 20.9/22
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.039+/-0.018 χ²/NDF: 37.7/43
All: -0.014+/-0.012 χ²/NDF: 79.7/89
- sign 0.008+/-0.017 χ²/NDF: 38.4/45



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

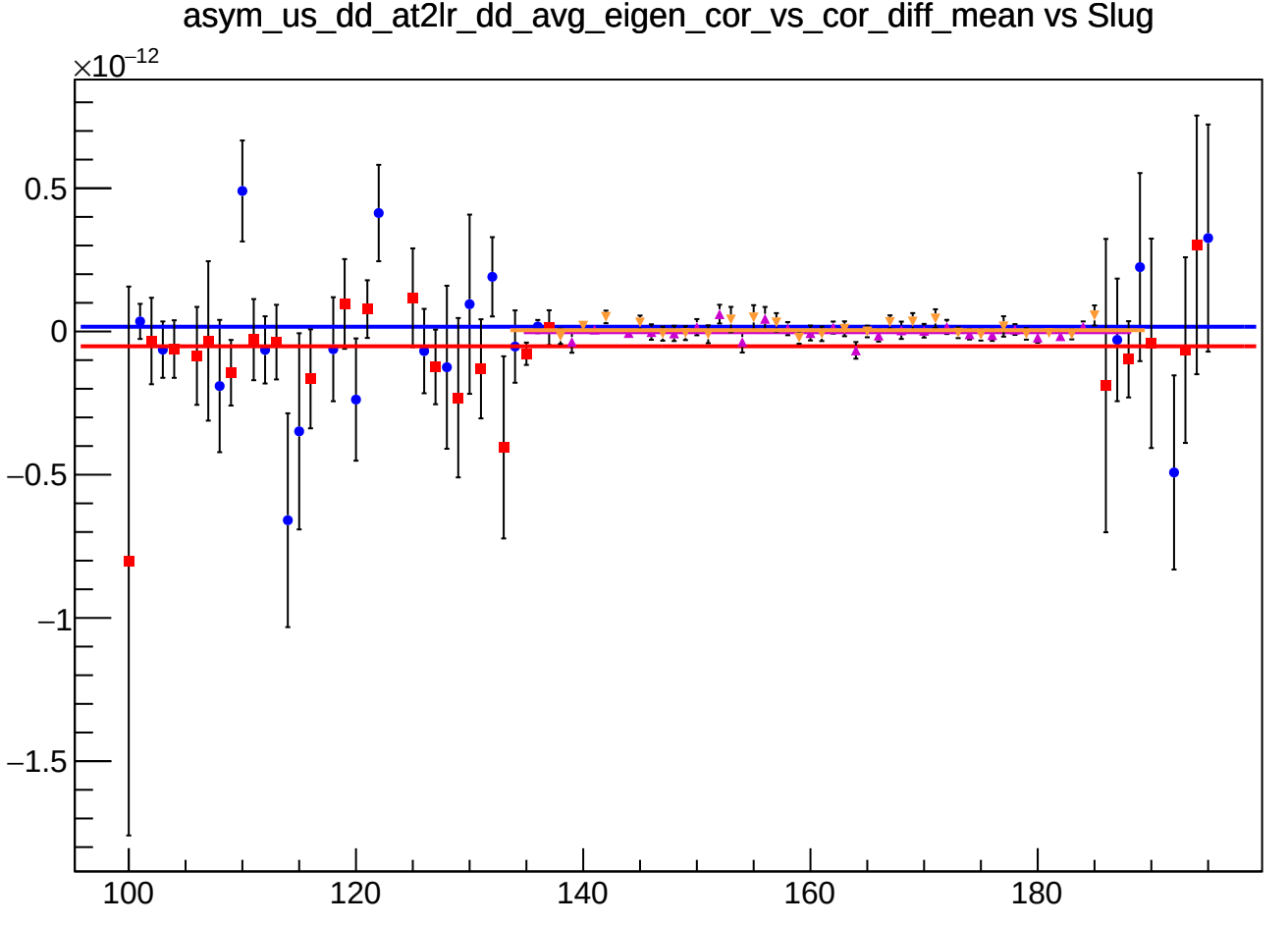
Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.189+/-0.013 χ^2/NDF: 11809097.3/43

All: 75.981+/-0.009 χ^2/NDF: 24527038.2/89

- sign 74.030+/-0.012 χ^2/NDF: 12659541.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

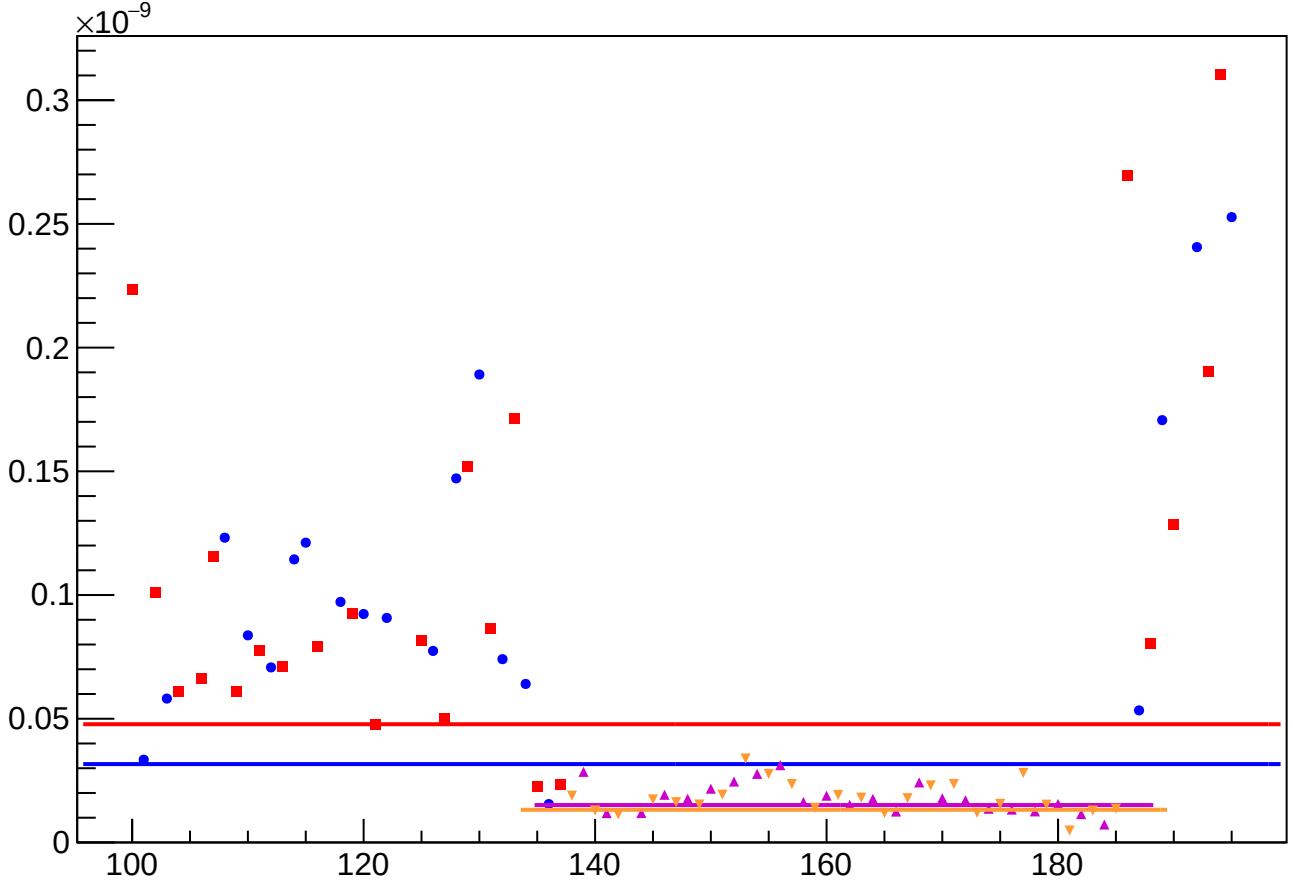
Right Out: -0.000+/-0.000 χ^2/NDF: 9.9/22

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: 82.3/89

- sign -0.000+/-0.000 χ^2/NDF: 31.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 5859912.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4478954.6/22

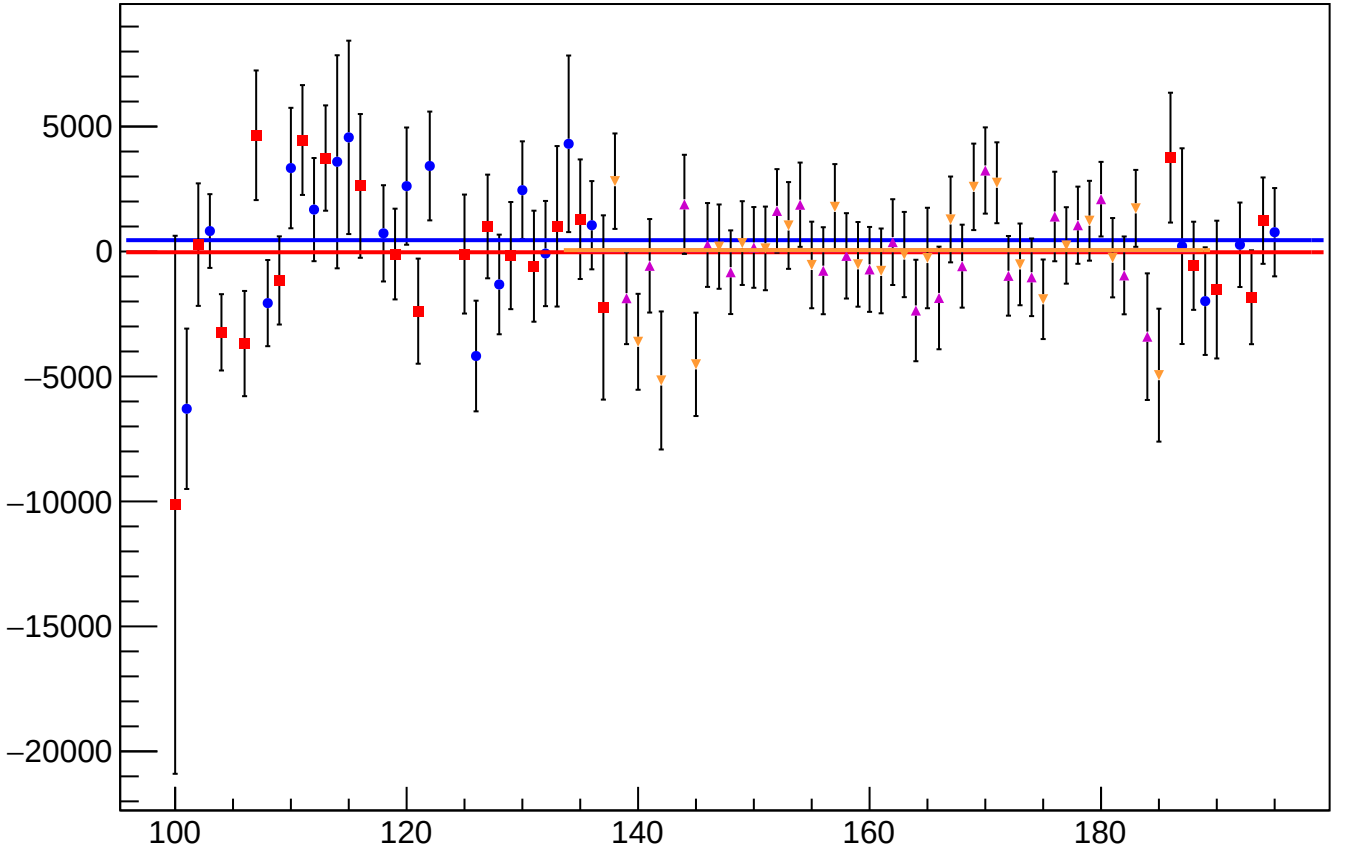
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11860337.9/43

All: 0.000+/-0.000 χ^2/NDF: 22249967.7/89

- sign 0.000+/-0.000 χ^2/NDF: 10142711.7/45

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: -30.130+/-457.530 χ^2/NDF: 26.5/22

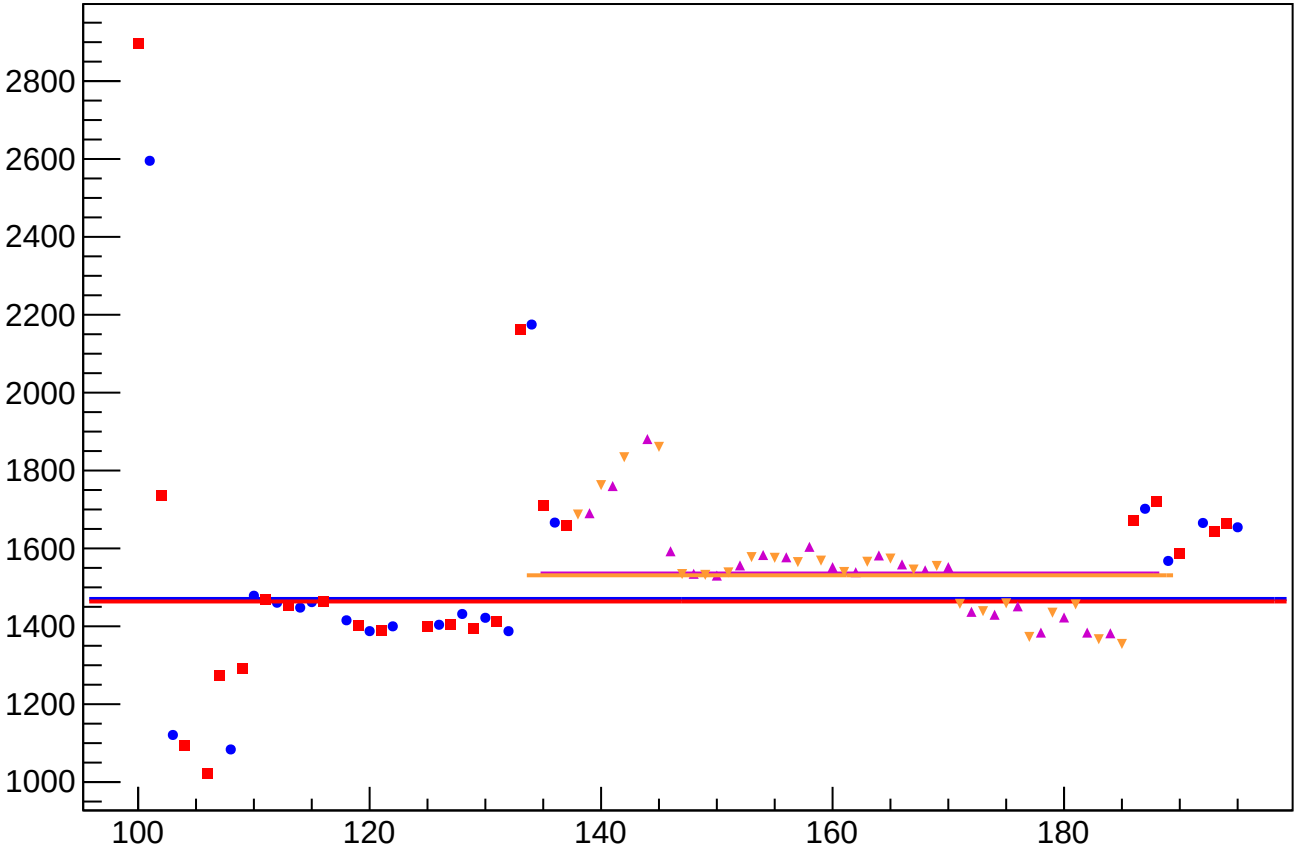
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 197.182+/-285.666 χ^2/NDF: 50.6/43

All: 106.796+/-200.937 χ^2/NDF: 94.1/89

- sign 18.282+/-282.693 χ^2/NDF: 43.3/45

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

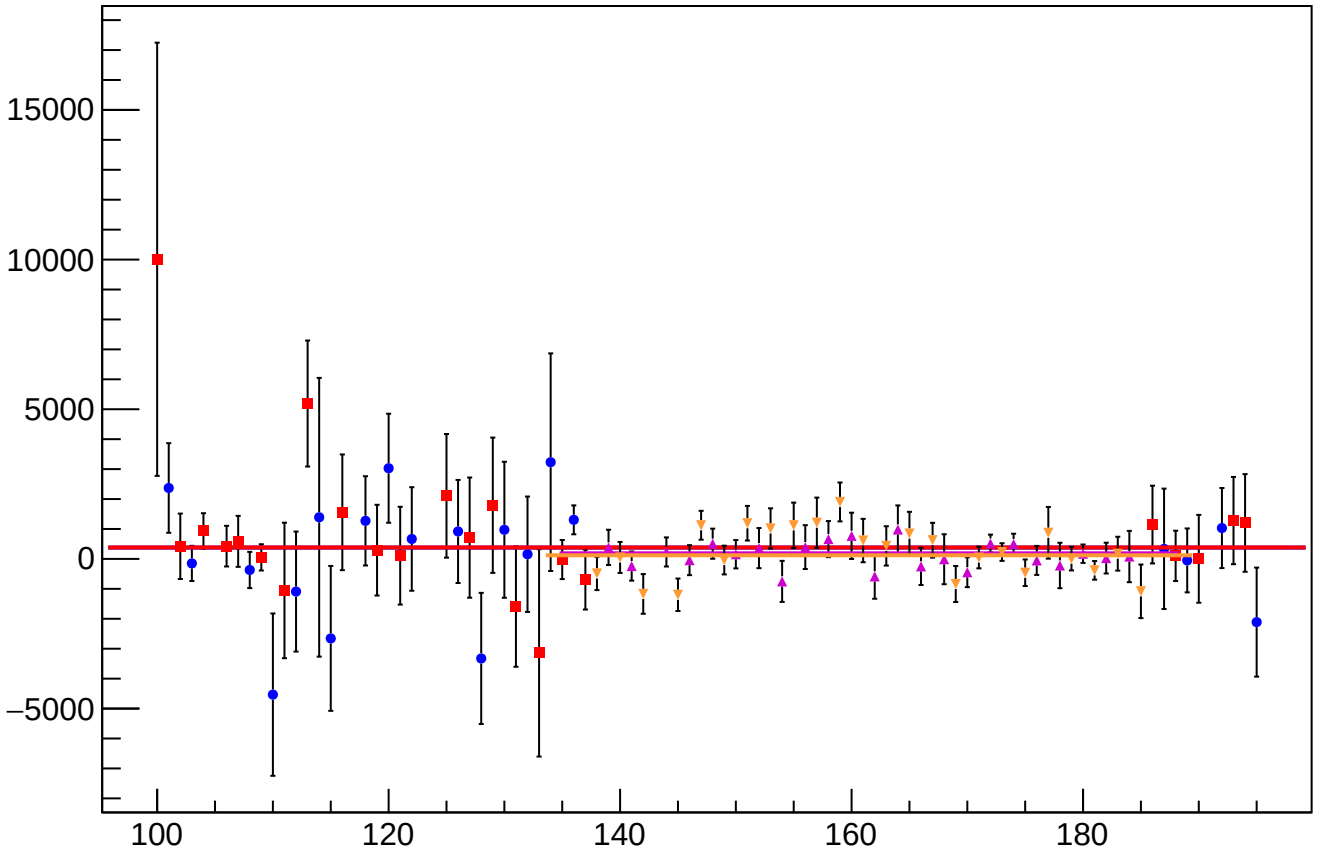
Right Out: 1463.777+/-0.324 χ^2/NDF: 532571.8/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859692.9/43

All: 1508.696+/-0.142 χ^2/NDF: 1615141.0/89

- sign 1508.150+/-0.200 χ^2/NDF: 755433.1/45



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: 382.039+/-215.055 χ^2/NDF: 15.1/22

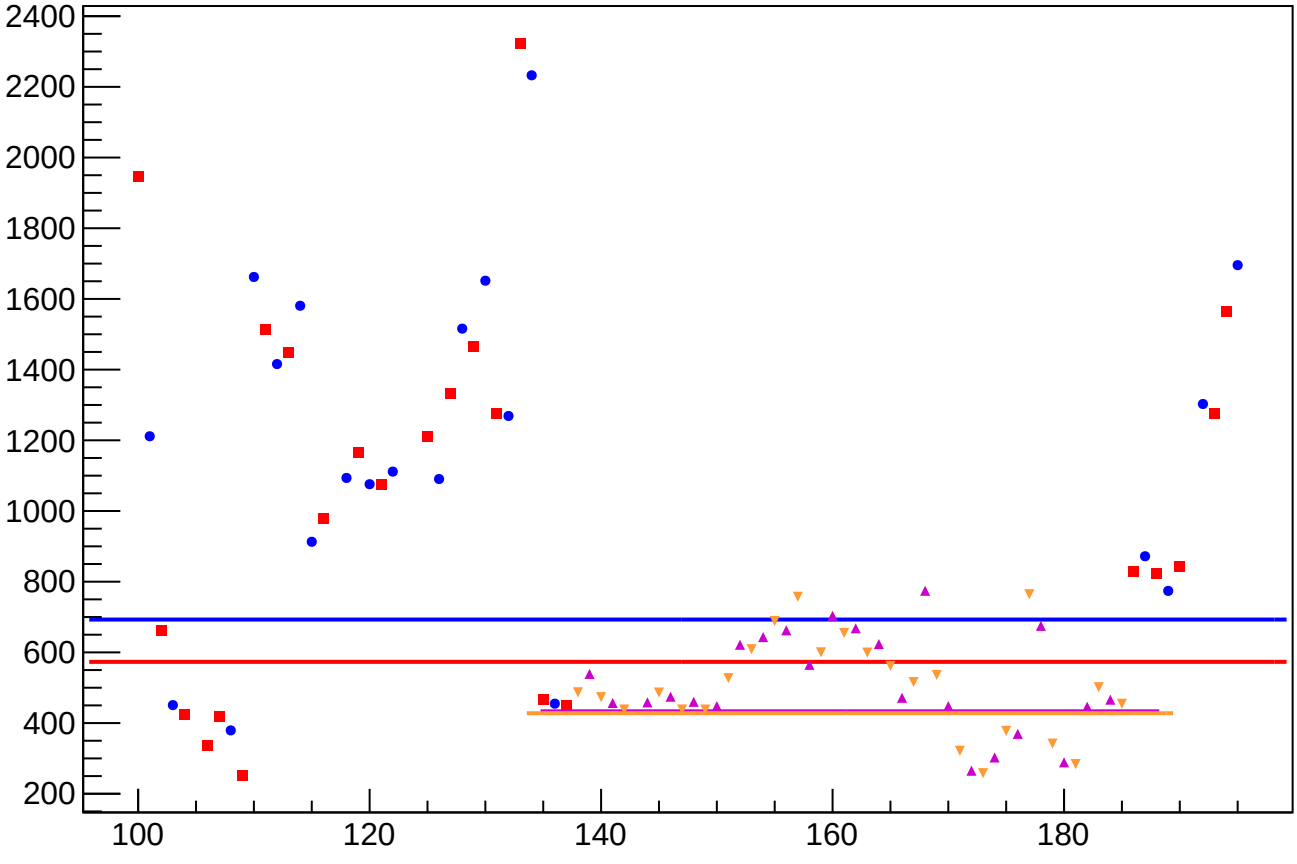
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 158.012+/-97.257 χ^2/NDF: 66.2/43

All: 192.298+/-68.243 χ^2/NDF: 93.8/89

- sign 225.549+/-95.780 χ^2/NDF: 27.4/45

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: 573.204+/-0.152 χ^2/NDF: 6029827.8/22

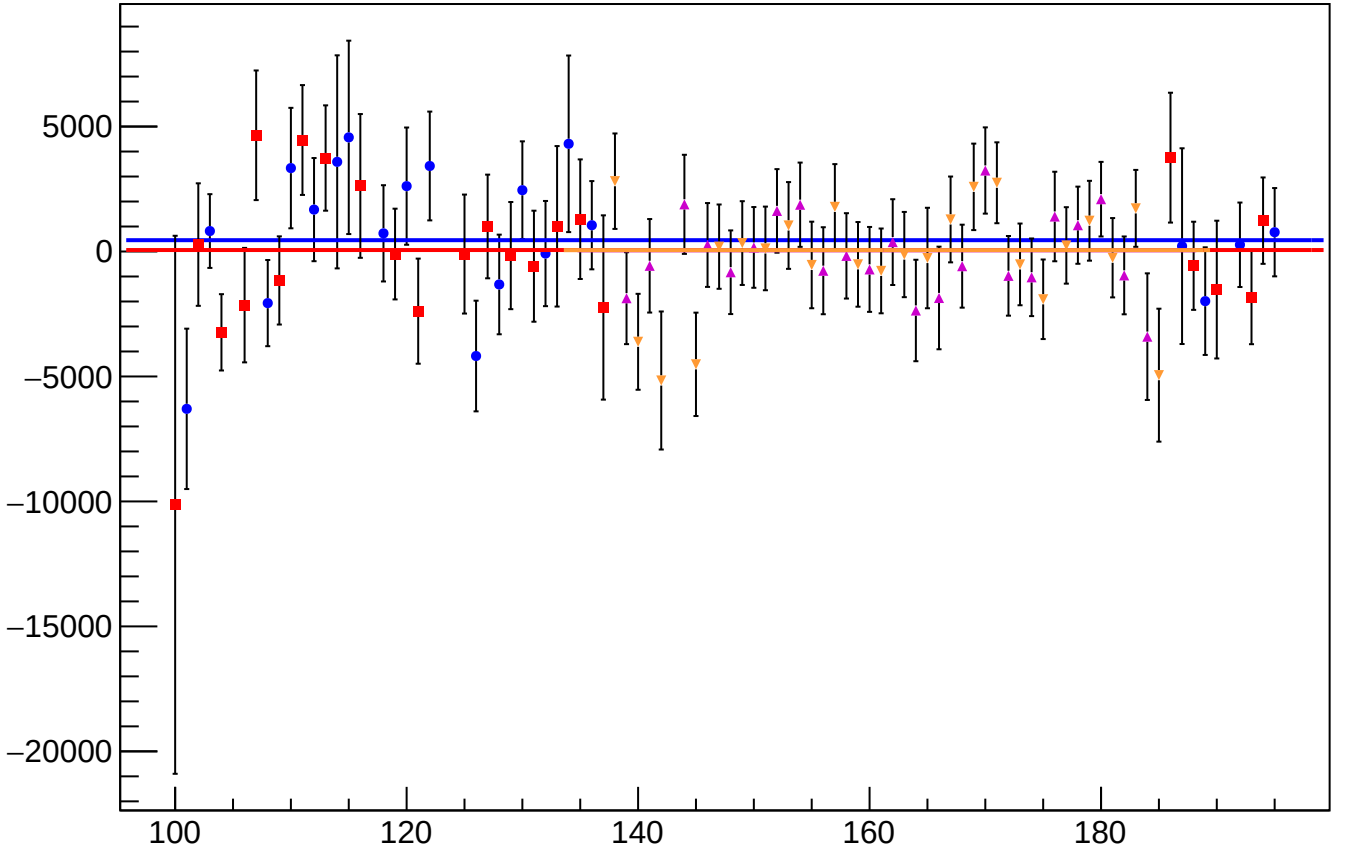
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 465.722+/-0.069 χ^2/NDF: 9898170.9/43

All: 463.344+/-0.048 χ^2/NDF: 19857052.3/89

- sign 461.038+/-0.068 χ^2/NDF: 9956525.7/45

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: 58.775+/-459.210 χ^2/NDF: 24.3/22

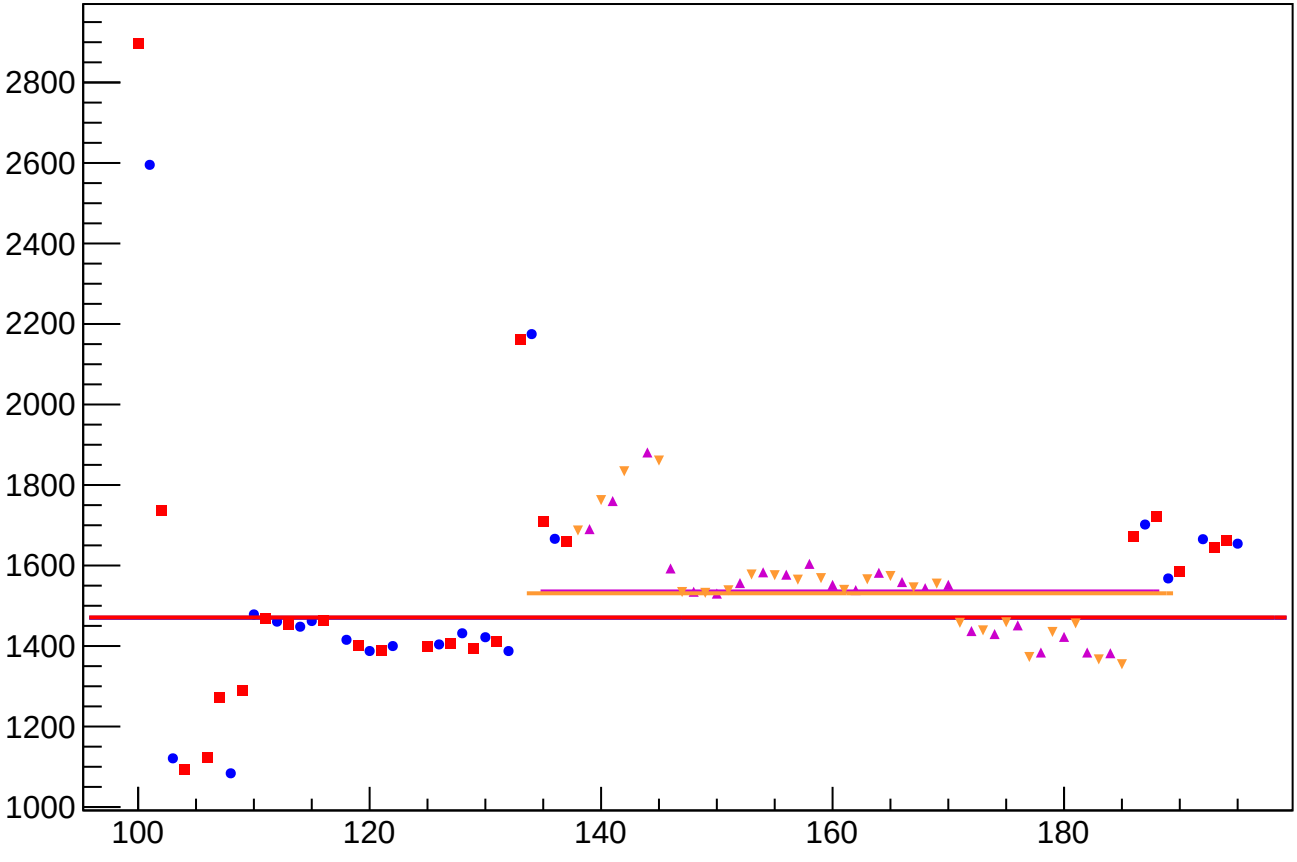
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 197.140+/-285.666 χ^2/NDF: 50.6/43

All: 124.040+/-201.079 χ^2/NDF: 91.9/89

- sign 52.253+/-283.088 χ^2/NDF: 41.1/45

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

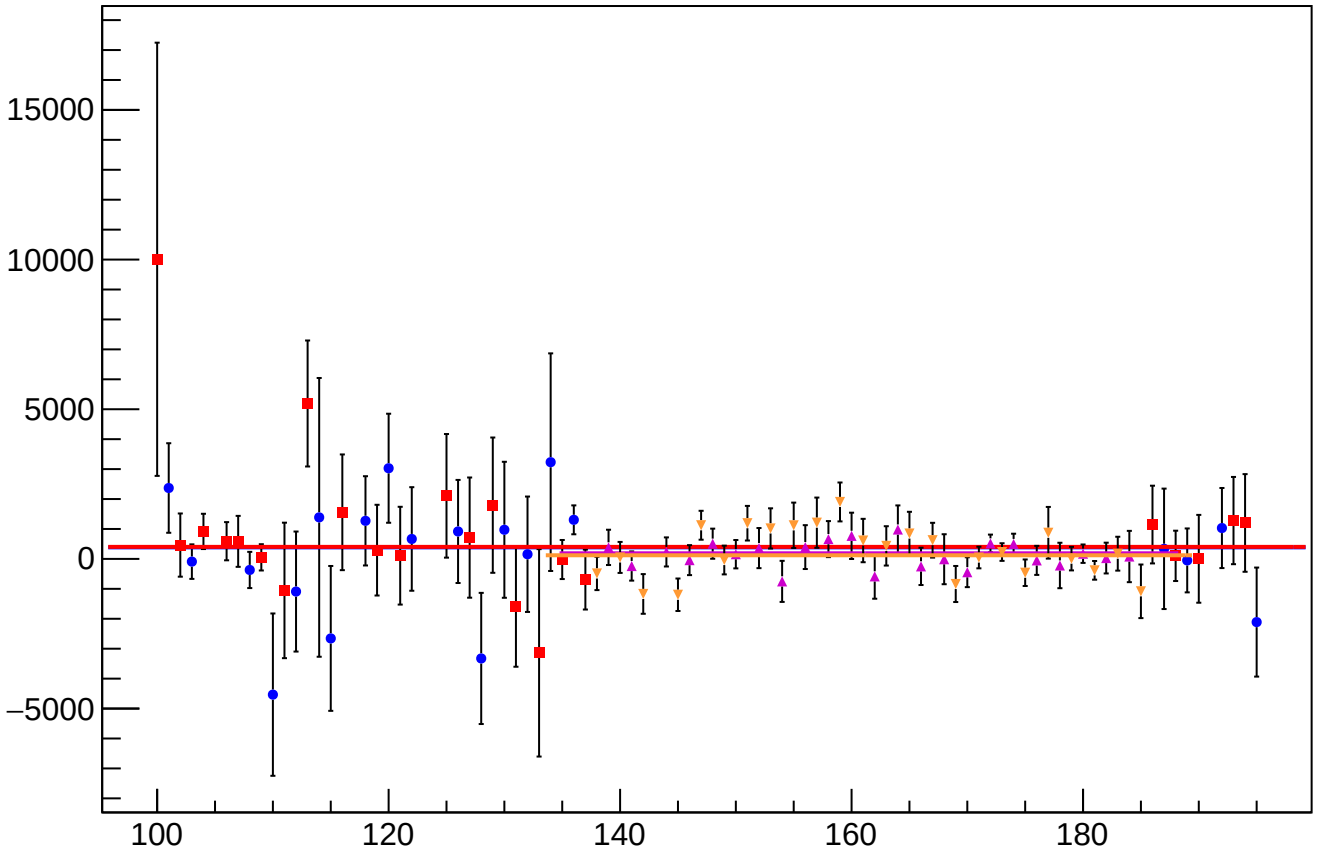
Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859693.2/43

All: 1510.146+/-0.142 χ^2/NDF: 1565544.8/89

- sign 1511.024+/-0.200 χ^2/NDF: 705812.8/45



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: 401.806+/-213.188 χ^2/NDF: 15.2/22

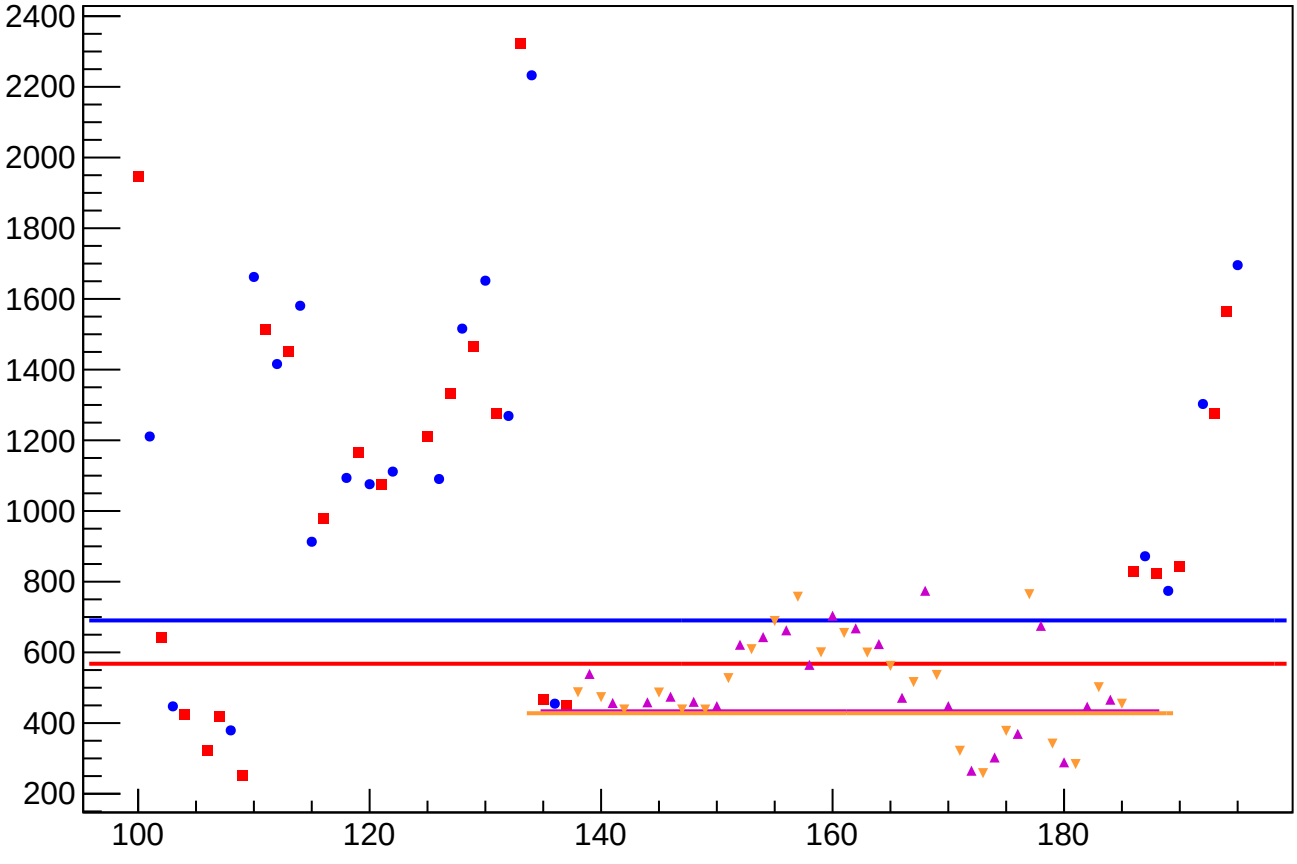
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 159.388+/-97.206 χ^2/NDF: 66.1/43

All: 195.397+/-68.165 χ^2/NDF: 93.9/89

- sign 230.237+/-95.613 χ^2/NDF: 27.6/45

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

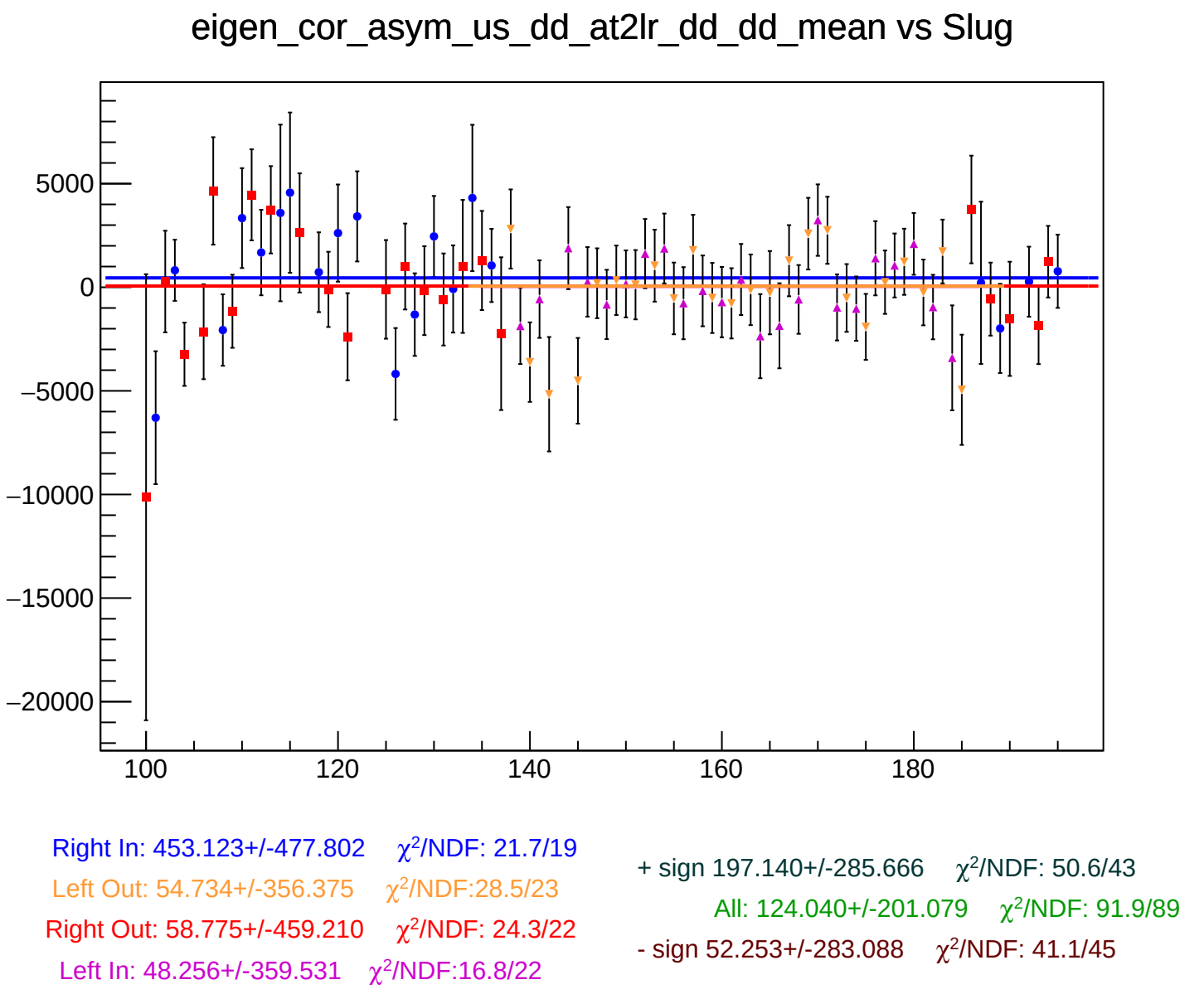
Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

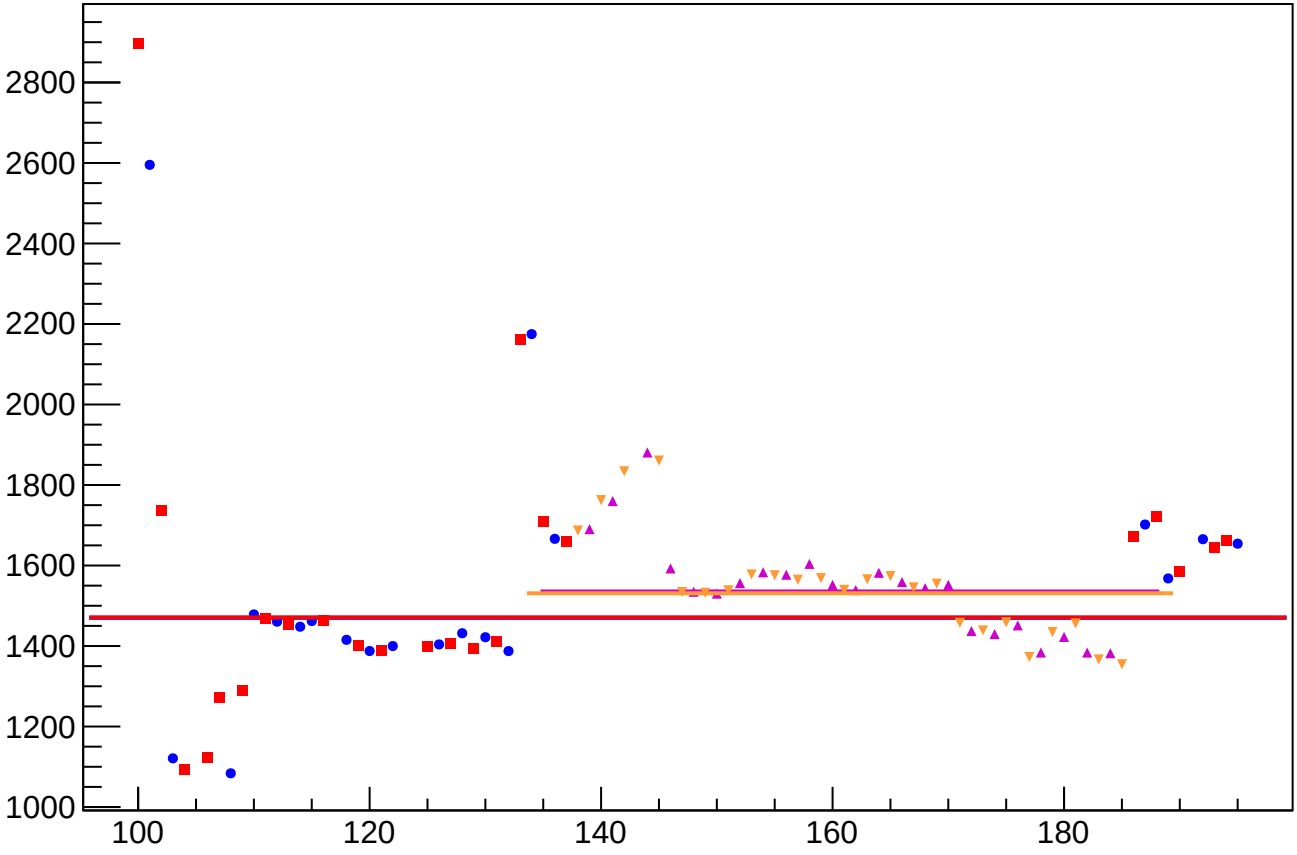
+ sign 465.605+/-0.069 χ^2/NDF: 9898800.7/43

All: 462.933+/-0.048 χ^2/NDF: 19874287.0/89

- sign 460.347+/-0.068 χ^2/NDF: 9972511.5/45


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: 453.123+/-477.802 χ²/NDF: 21.7/19
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: 58.775+/-459.210 χ²/NDF: 24.3/22
Left In: 48.256+/-359.531 χ²/NDF:16.8/22
+ sign 197.140+/-285.666 χ²/NDF: 50.6/43
All: 124.040+/-201.079 χ²/NDF: 91.9/89
- sign 52.253+/-283.088 χ²/NDF: 41.1/45

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

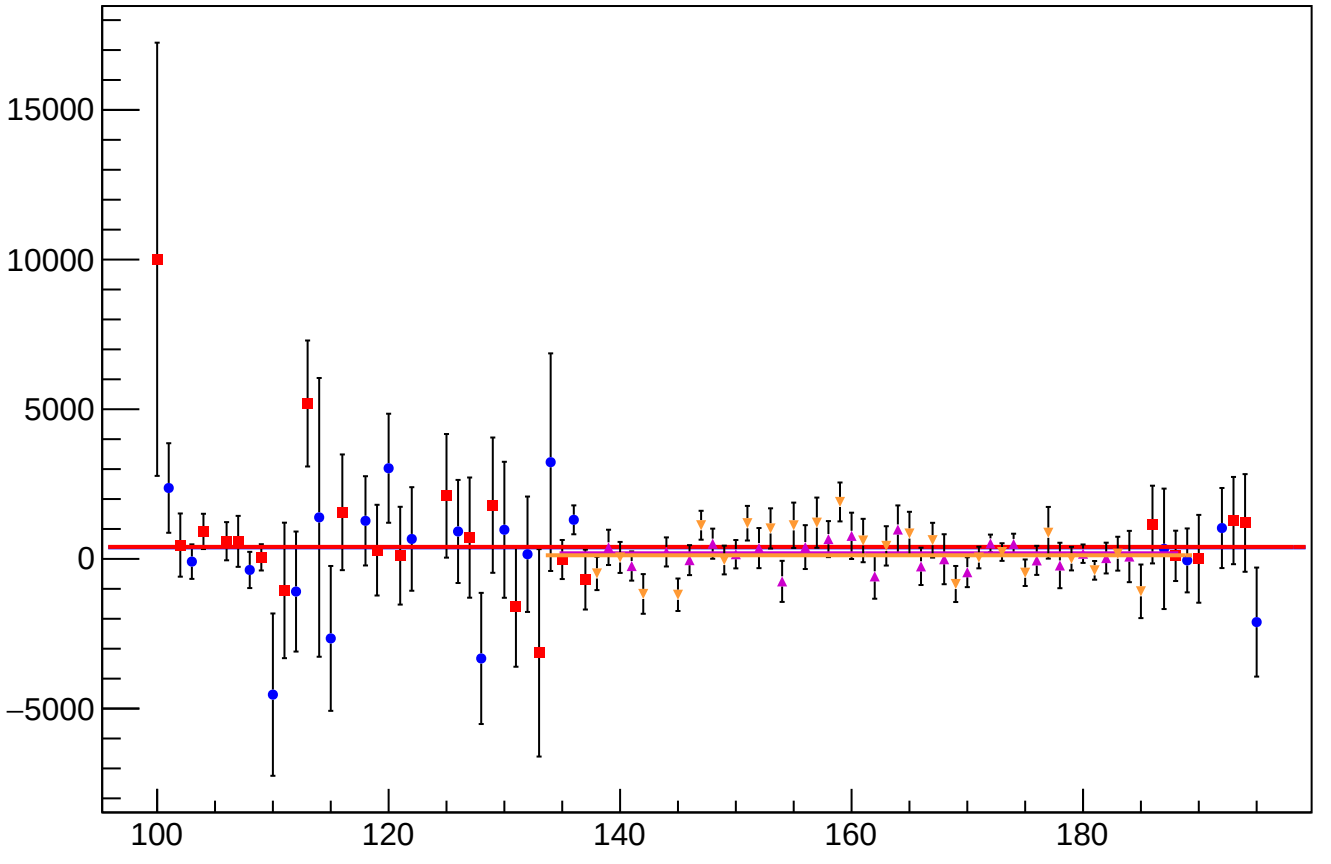
Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1509.253+/-0.202 χ^2/NDF: 859693.2/43

All: 1510.146+/-0.142 χ^2/NDF: 1565544.8/89

- sign 1511.024+/-0.200 χ^2/NDF: 705812.8/45



Right In: 385.768+/-256.218 χ^2/NDF: 21.5/19

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

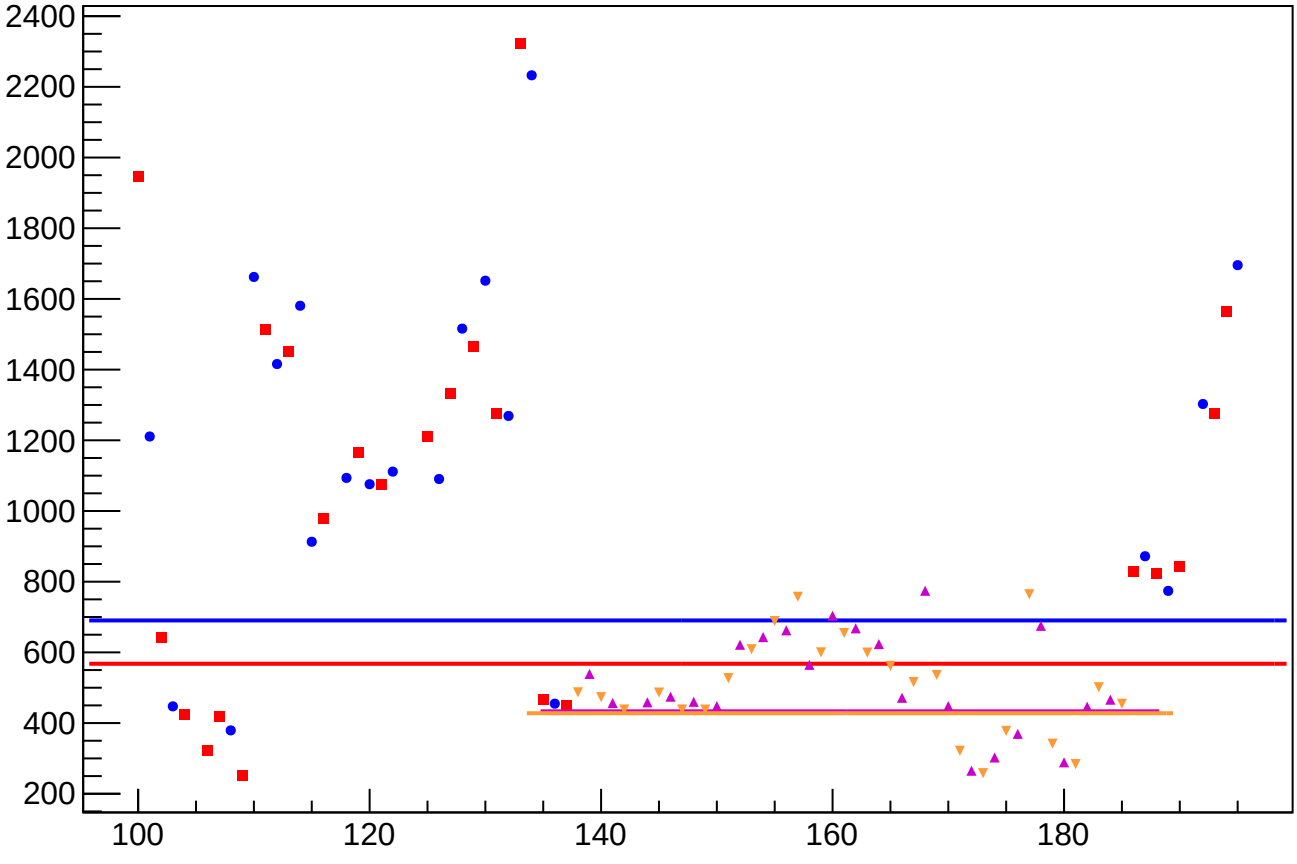
Right Out: 401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 159.388+/-97.206 χ^2/NDF: 66.1/43

All: 195.397+/-68.165 χ^2/NDF: 93.9/89

- sign 230.237+/-95.613 χ^2/NDF: 27.6/45



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: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

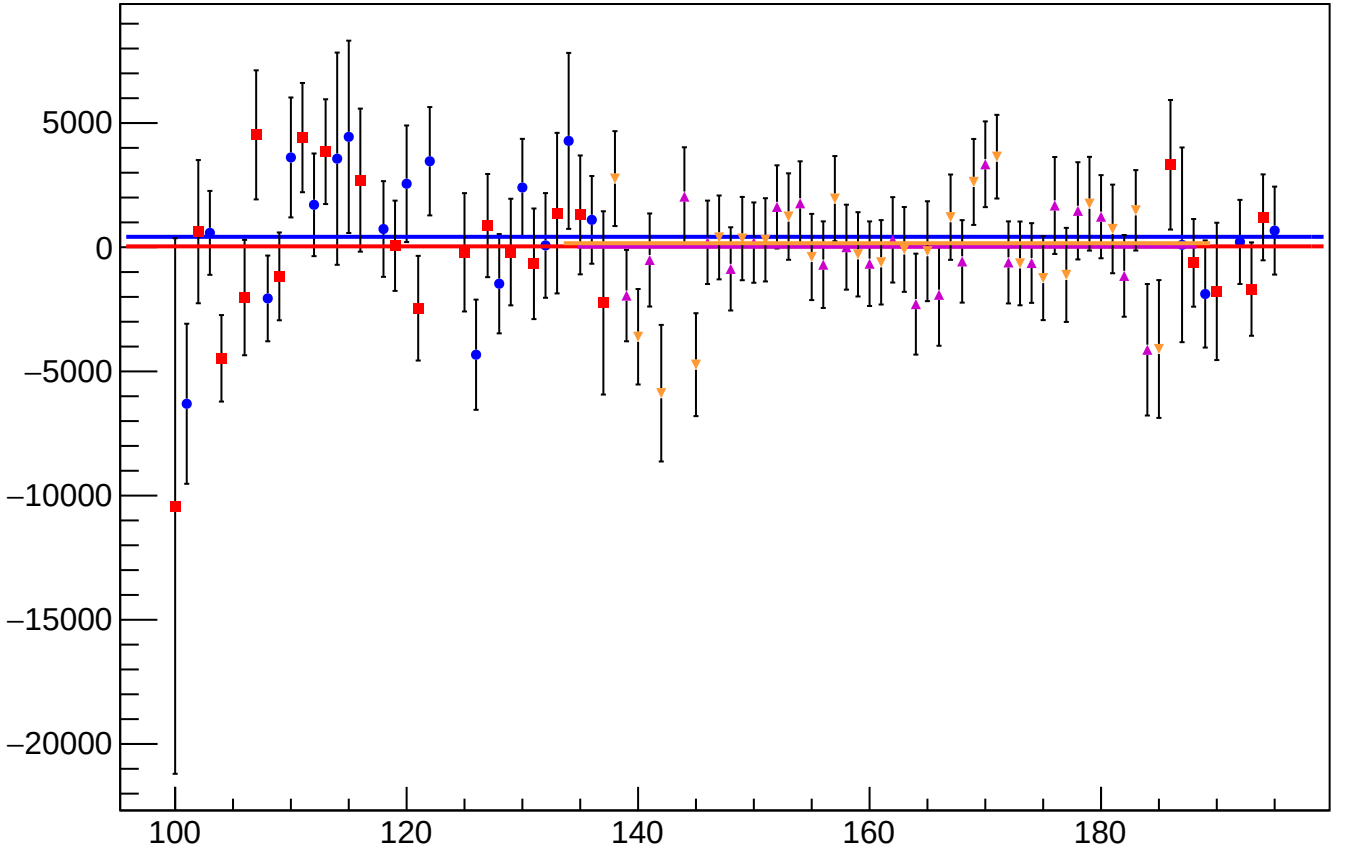
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 465.605+/-0.069 χ^2/NDF: 9898800.7/43

All: 462.933+/-0.048 χ^2/NDF: 19874287.0/89

- sign 460.347+/-0.068 χ^2/NDF: 9972511.5/45

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: 34.640+/-467.359 χ^2/NDF: 26.0/22

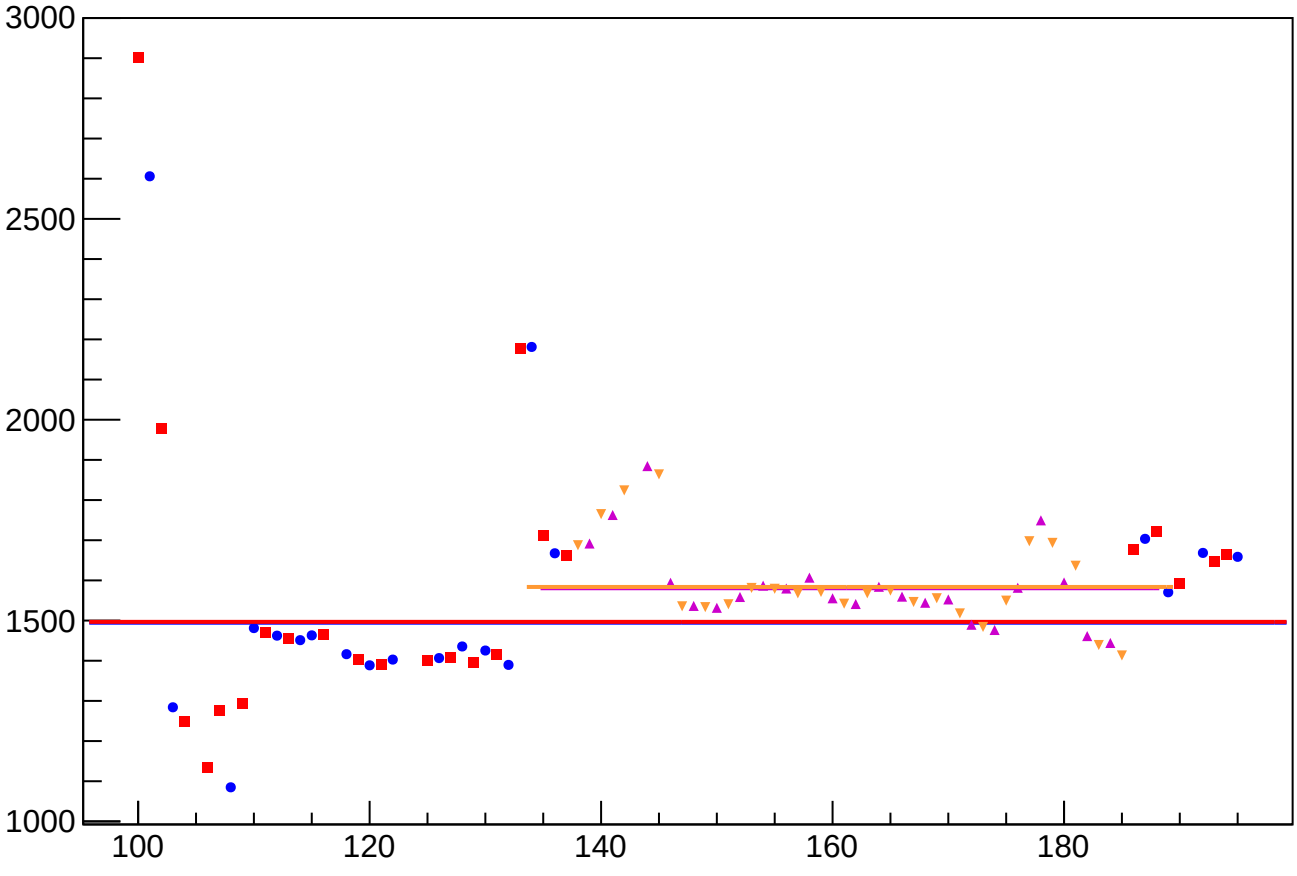
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 255.801+/-293.262 χ^2/NDF: 52.1/43

All: 139.505+/-206.201 χ^2/NDF: 94.4/89

- sign 25.791+/-289.989 χ^2/NDF: 42.0/45

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

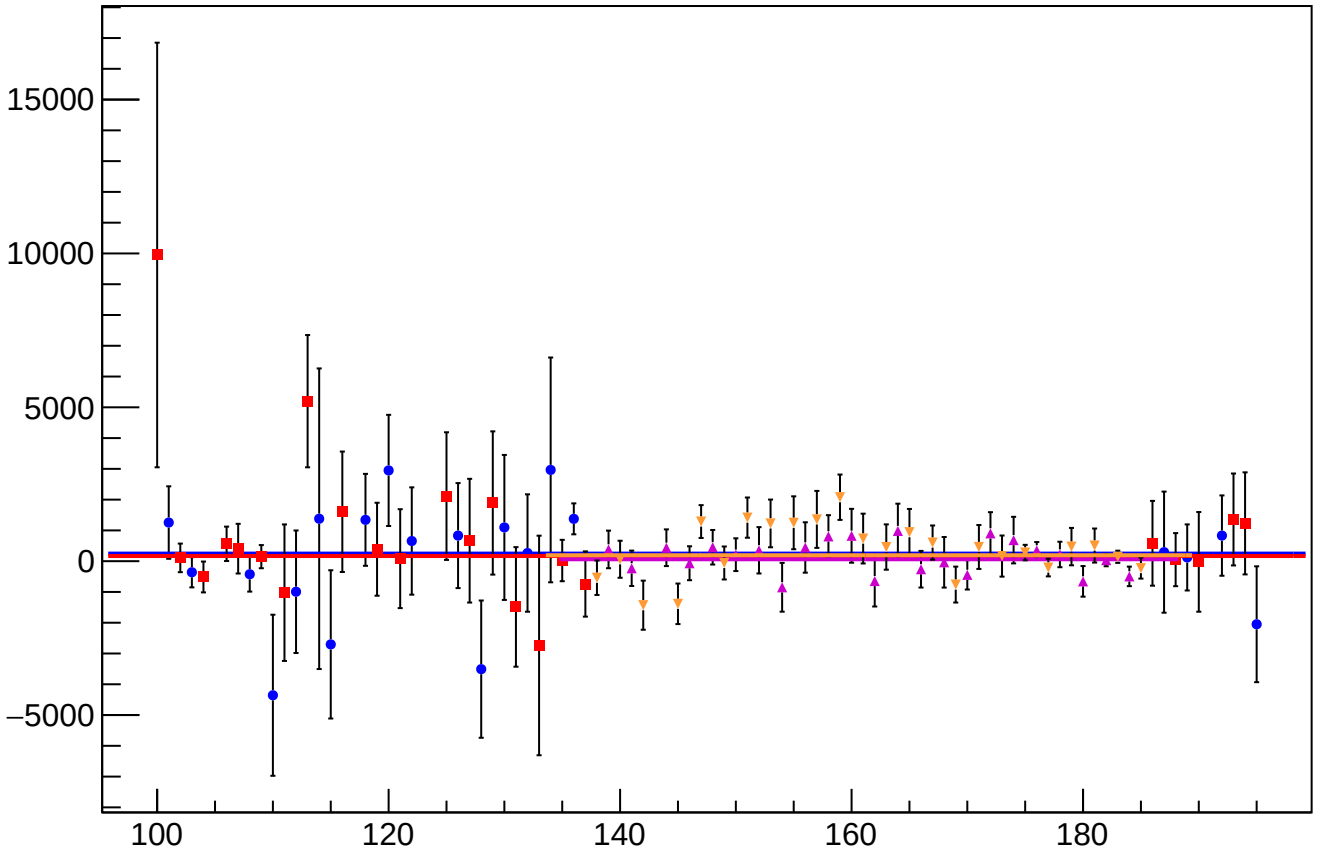
Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.3/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1551.095+/-0.207 χ^2/NDF: 722800.5/43

All: 1549.654+/-0.146 χ^2/NDF: 1319212.9/89

- sign 1548.246+/-0.205 χ^2/NDF: 596316.9/45



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: 167.383+/-185.337 χ^2/NDF: 15.6/22

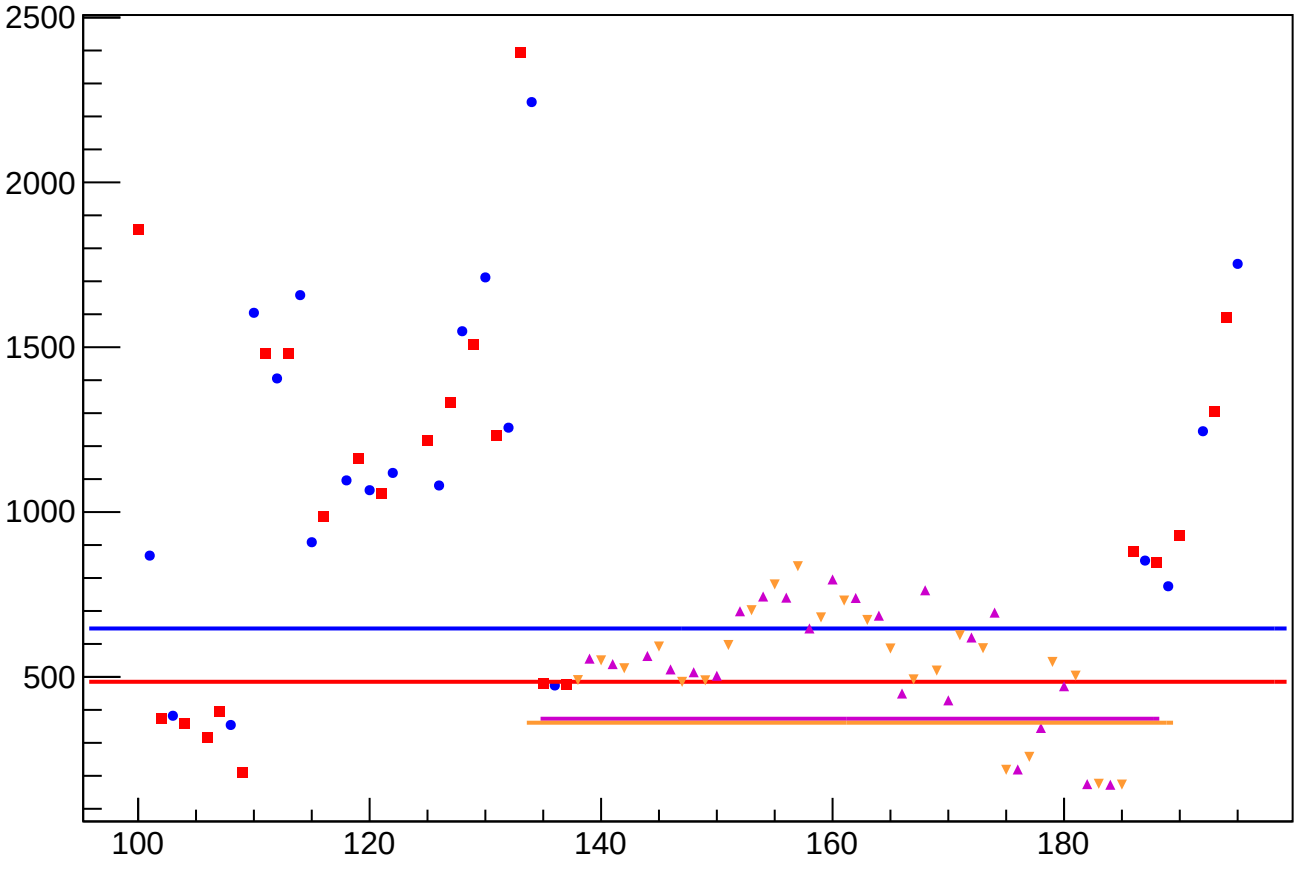
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 200.367+/-89.273 χ^2/NDF: 62.0/43

All: 142.139+/-62.603 χ^2/NDF: 95.8/89

- sign 85.799+/-87.814 χ^2/NDF: 32.9/45

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

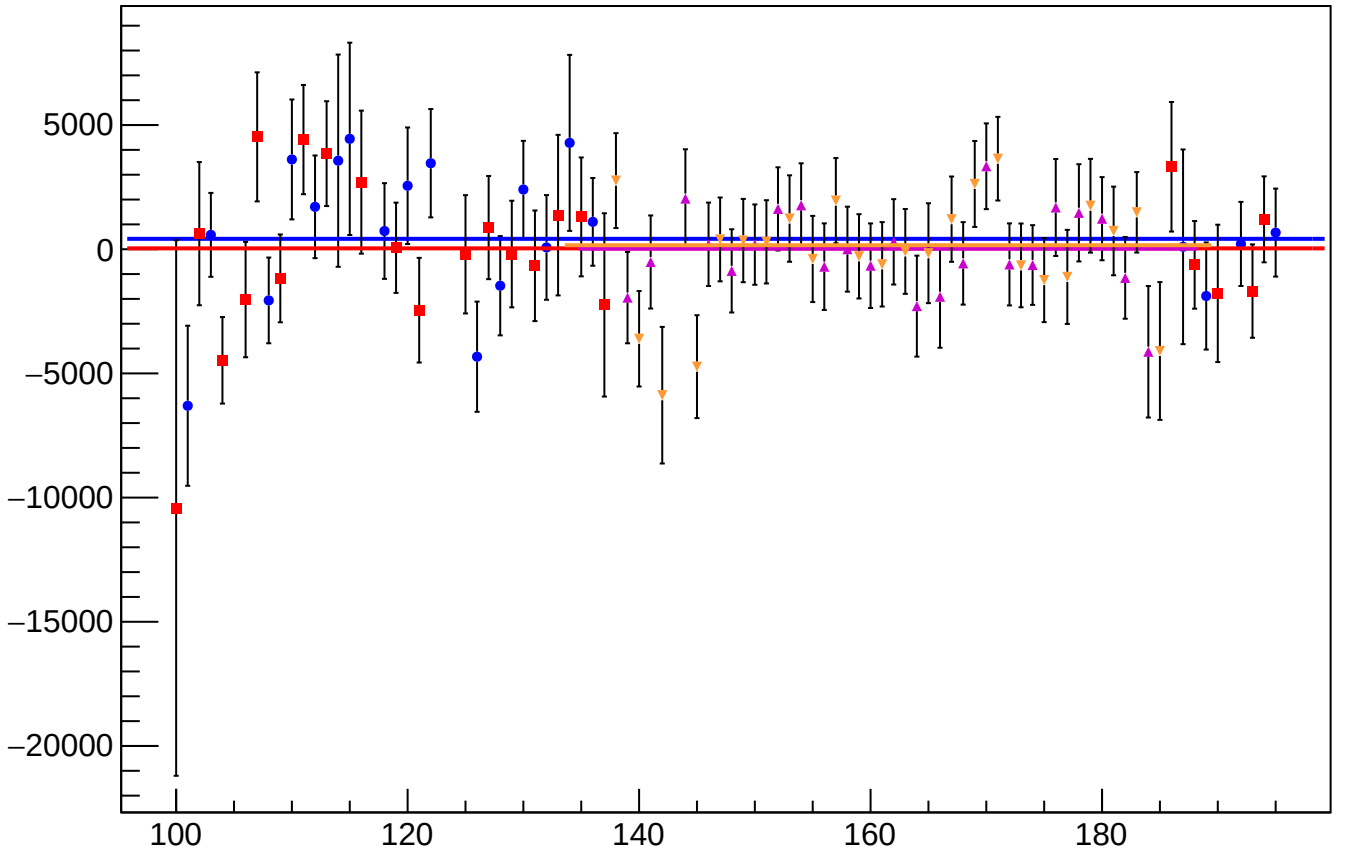
Right Out: 485.243+/-0.131 χ^2/NDF: 7216656.2/22

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 399.201+/-0.063 χ^2/NDF: 15690842.6/43

All: 398.746+/-0.044 χ^2/NDF: 31682398.7/89

- sign 398.306+/-0.062 χ^2/NDF: 15991454.0/45



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: 34.639+/-467.359 χ^2/NDF: 26.0/22

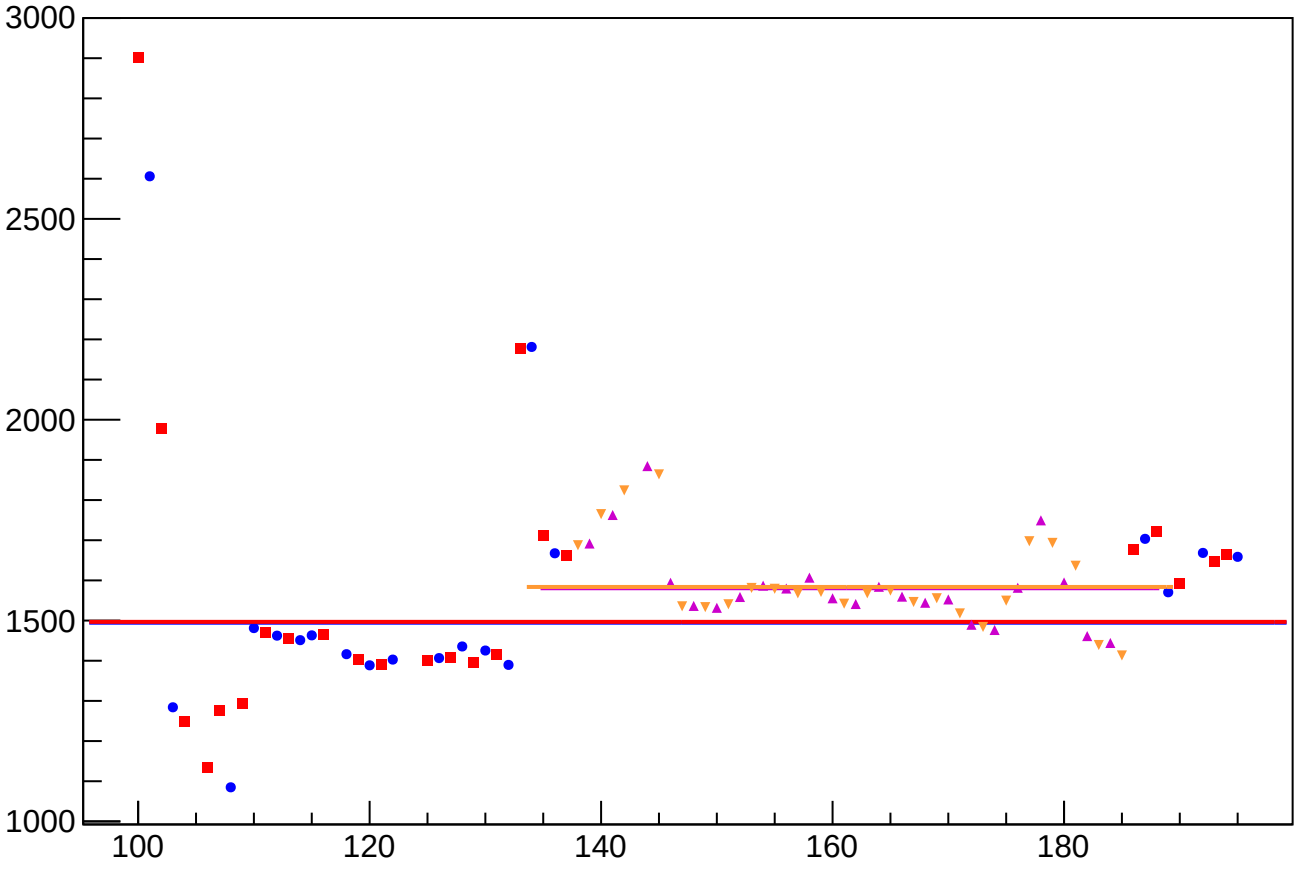
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 255.799+/-293.262 χ^2/NDF: 52.1/43

All: 139.504+/-206.201 χ^2/NDF: 94.4/89

- sign 25.790+/-289.989 χ^2/NDF: 42.0/45

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

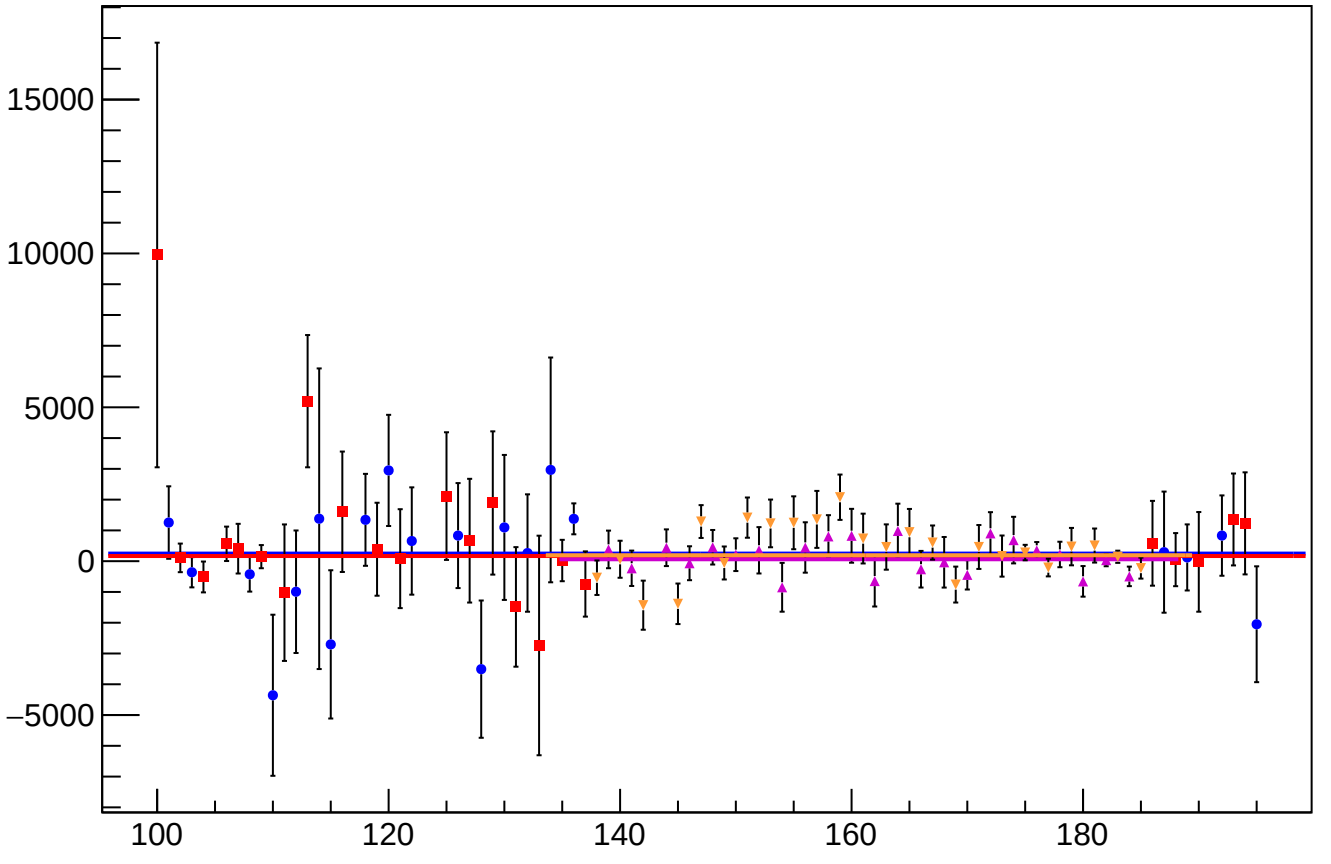
Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.4/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1551.095+/-0.207 χ^2/NDF: 722800.0/43

All: 1549.654+/-0.146 χ^2/NDF: 1319212.3/89

- sign 1548.246+/-0.205 χ^2/NDF: 596316.9/45



Right In: 246.263+/-244.510 χ^2/NDF: 21.9/19

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

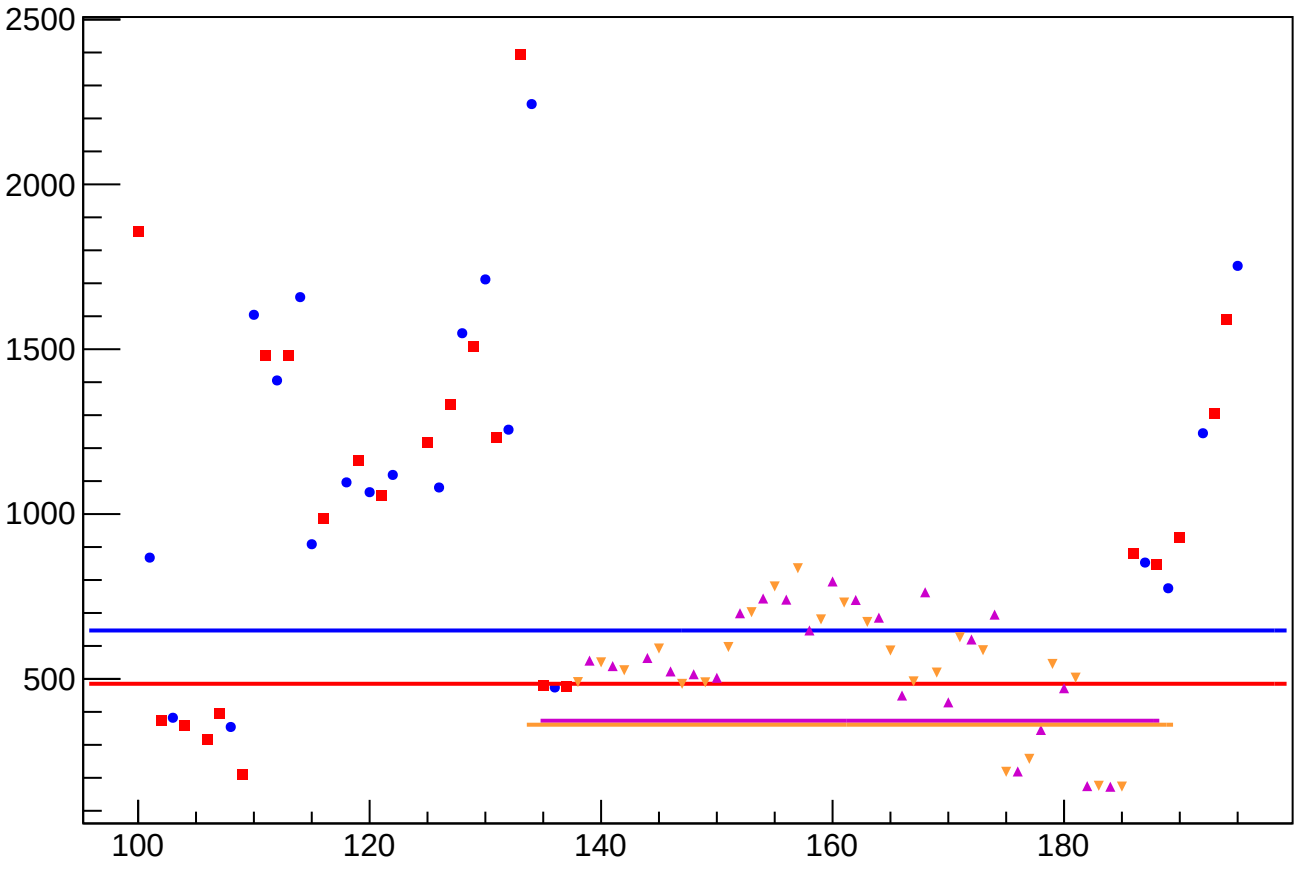
Right Out: 167.380+/-185.339 χ^2/NDF: 15.6/22

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 200.371+/-89.274 χ^2/NDF: 62.0/43

All: 142.140+/-62.604 χ^2/NDF: 95.8/89

- sign 85.797+/-87.815 χ^2/NDF: 32.9/45



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: 485.249+/-0.131 χ^2/NDF: 7216547.9/22

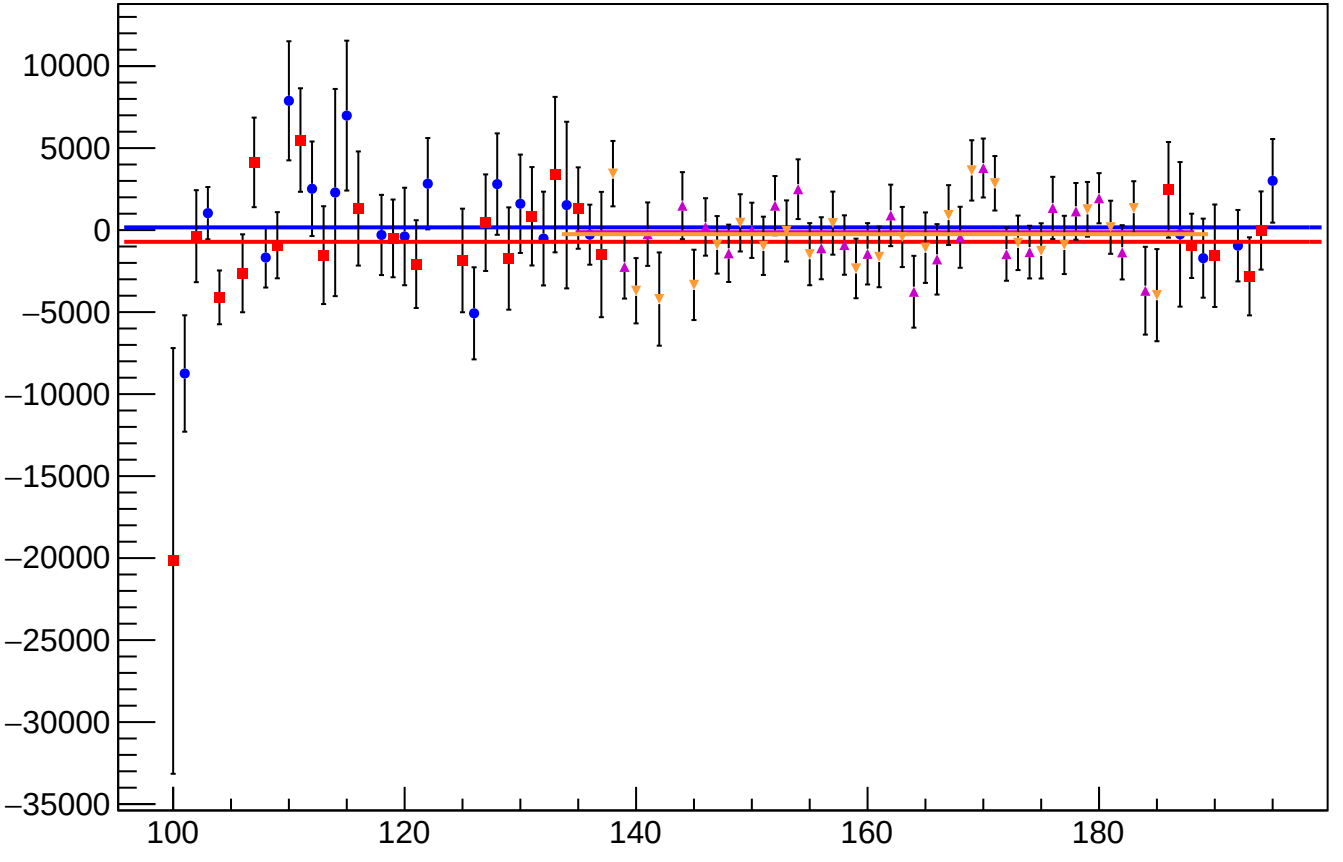
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 399.204+/-0.063 χ^2/NDF: 15690629.5/43

All: 398.750+/-0.044 χ^2/NDF: 31681837.3/89

- sign 398.311+/-0.062 χ^2/NDF: 15991106.2/45

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: -714.216+/-557.986 χ^2/NDF: 19.2/22

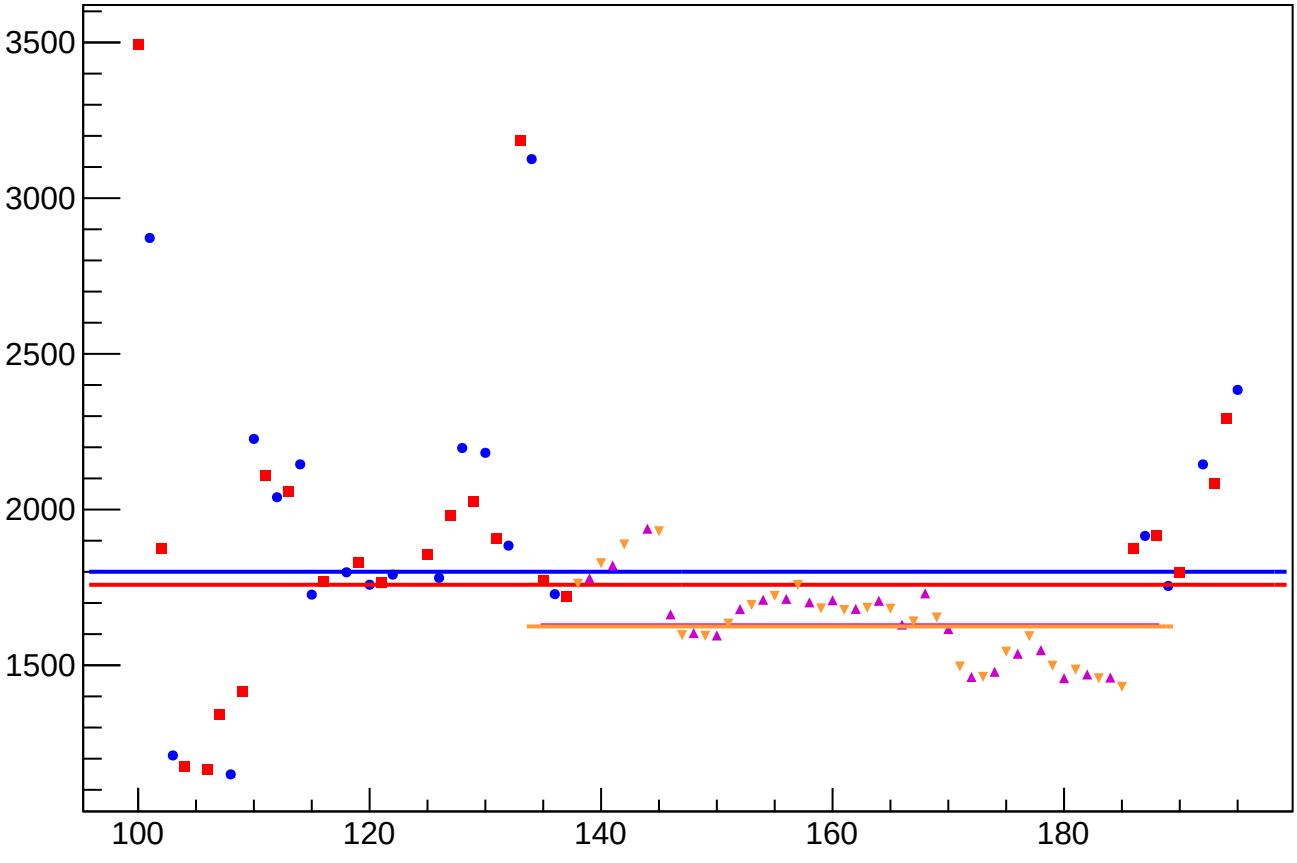
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -127.493+/-318.930 χ^2/NDF: 49.2/43

All: -221.613+/-224.050 χ^2/NDF: 90.5/89

- sign -313.323+/-314.819 χ^2/NDF: 41.1/45

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

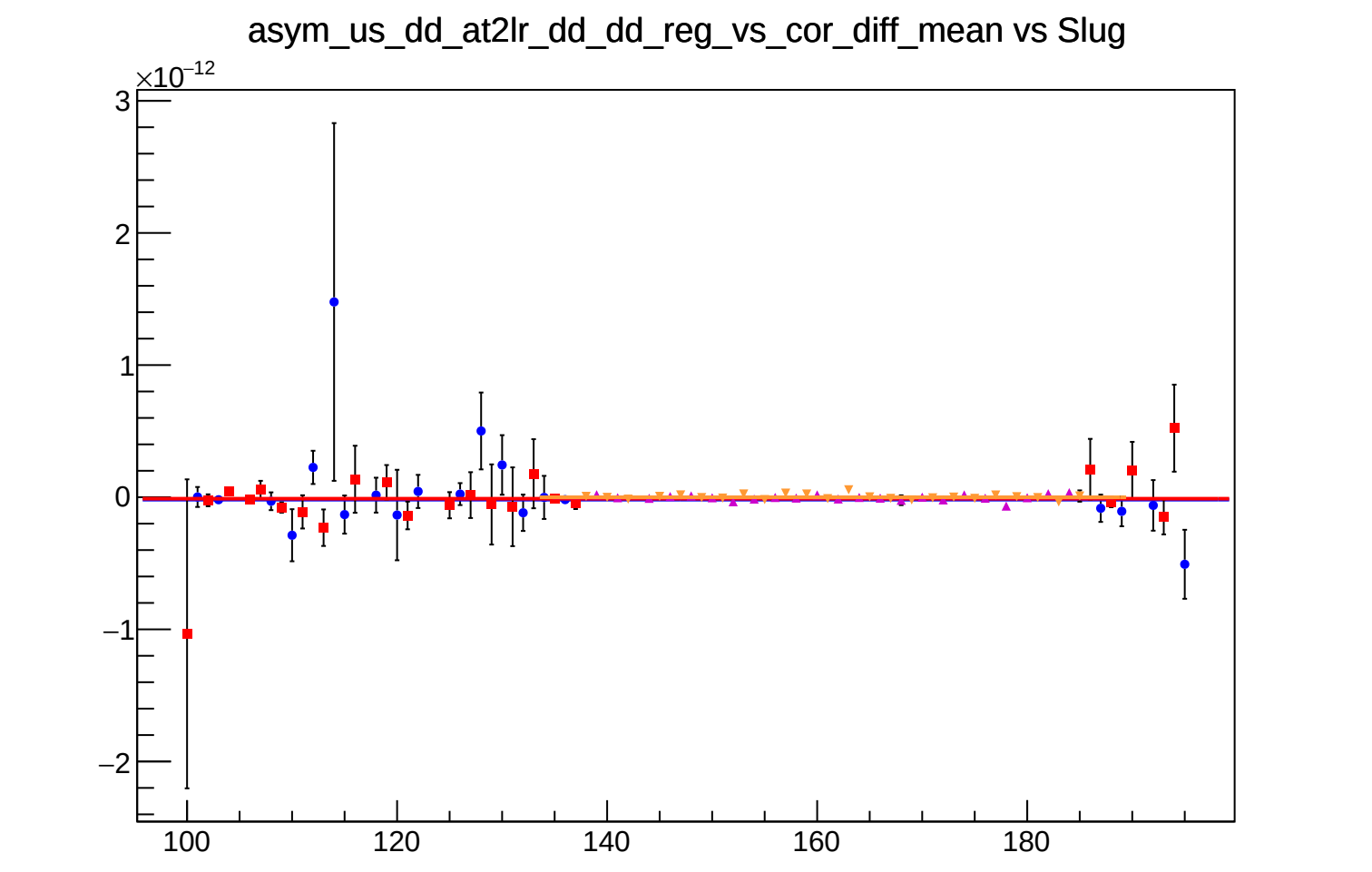
Right Out: 1758.490+/-0.395 χ^2/NDF: 935903.4/22

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1675.375+/-0.226 χ^2/NDF: 1453861.7/43

All: 1672.495+/-0.158 χ^2/NDF: 2669276.6/89

- sign 1669.689+/-0.223 χ^2/NDF: 1215092.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

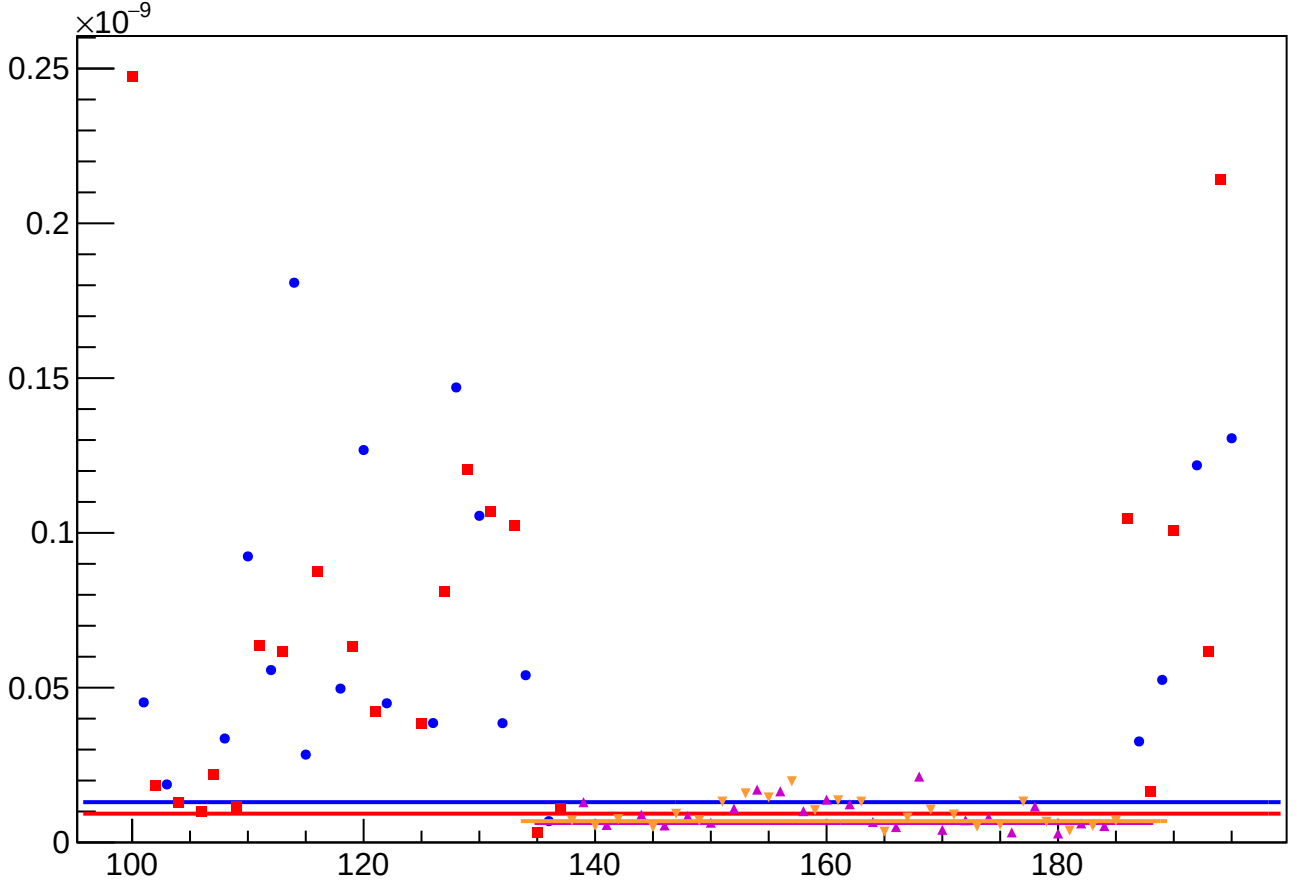
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/22

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: 91.4/89

- sign -0.000+/-0.000 χ^2/NDF: 48.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 4813183.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

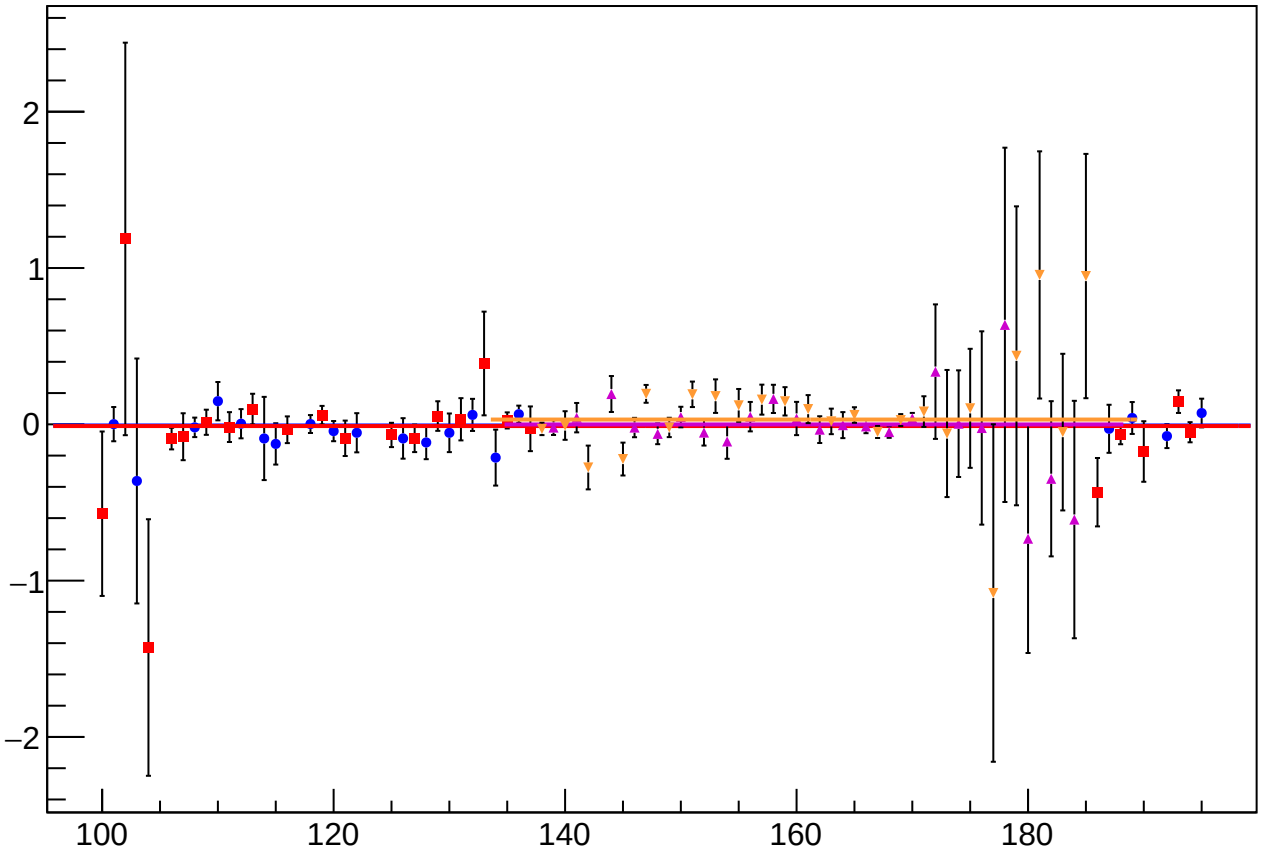
Right Out: 0.000+/-0.000 χ^2/NDF: 5411209.8/22

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: 16357391.6/89

- sign 0.000+/-0.000 χ^2/NDF: 8530861.9/45



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

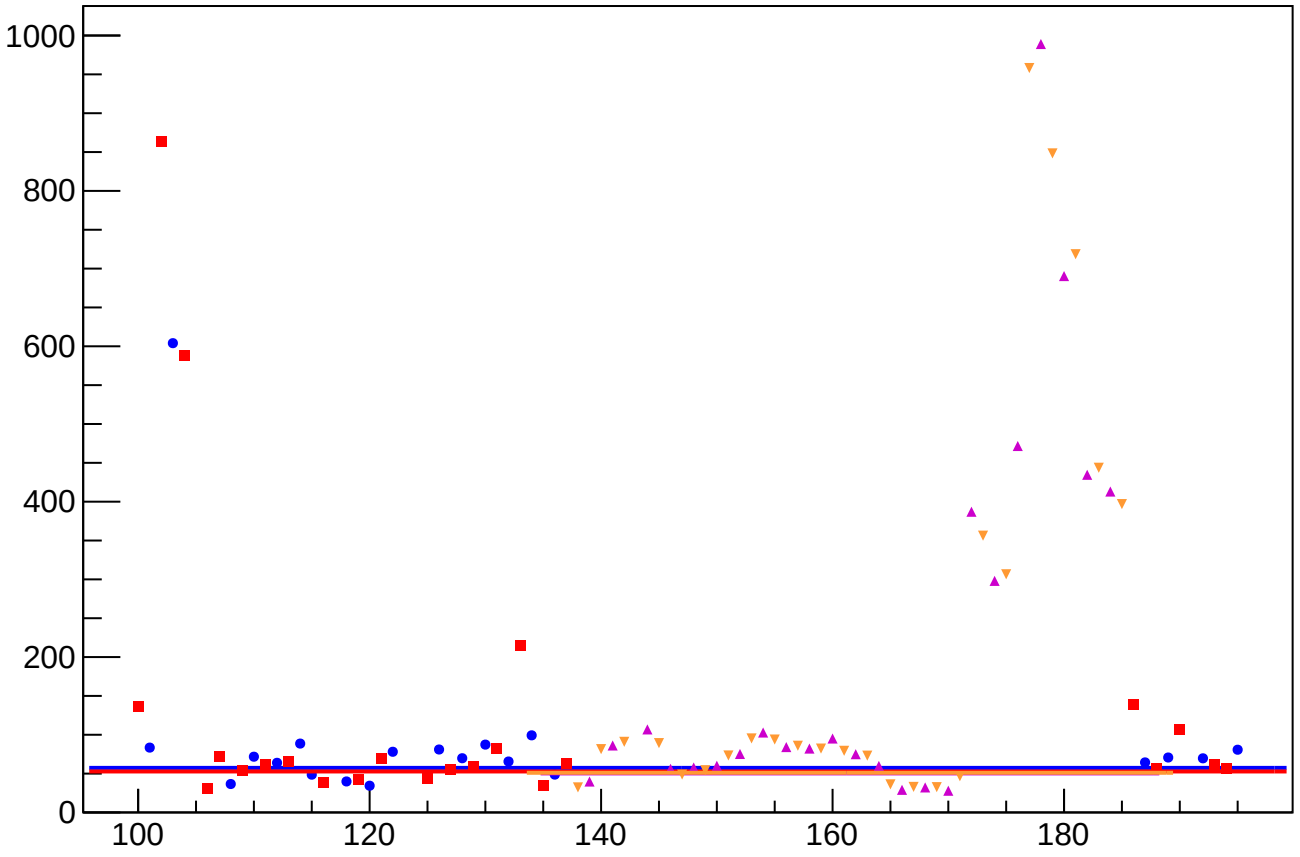
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

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: 95.6/89

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

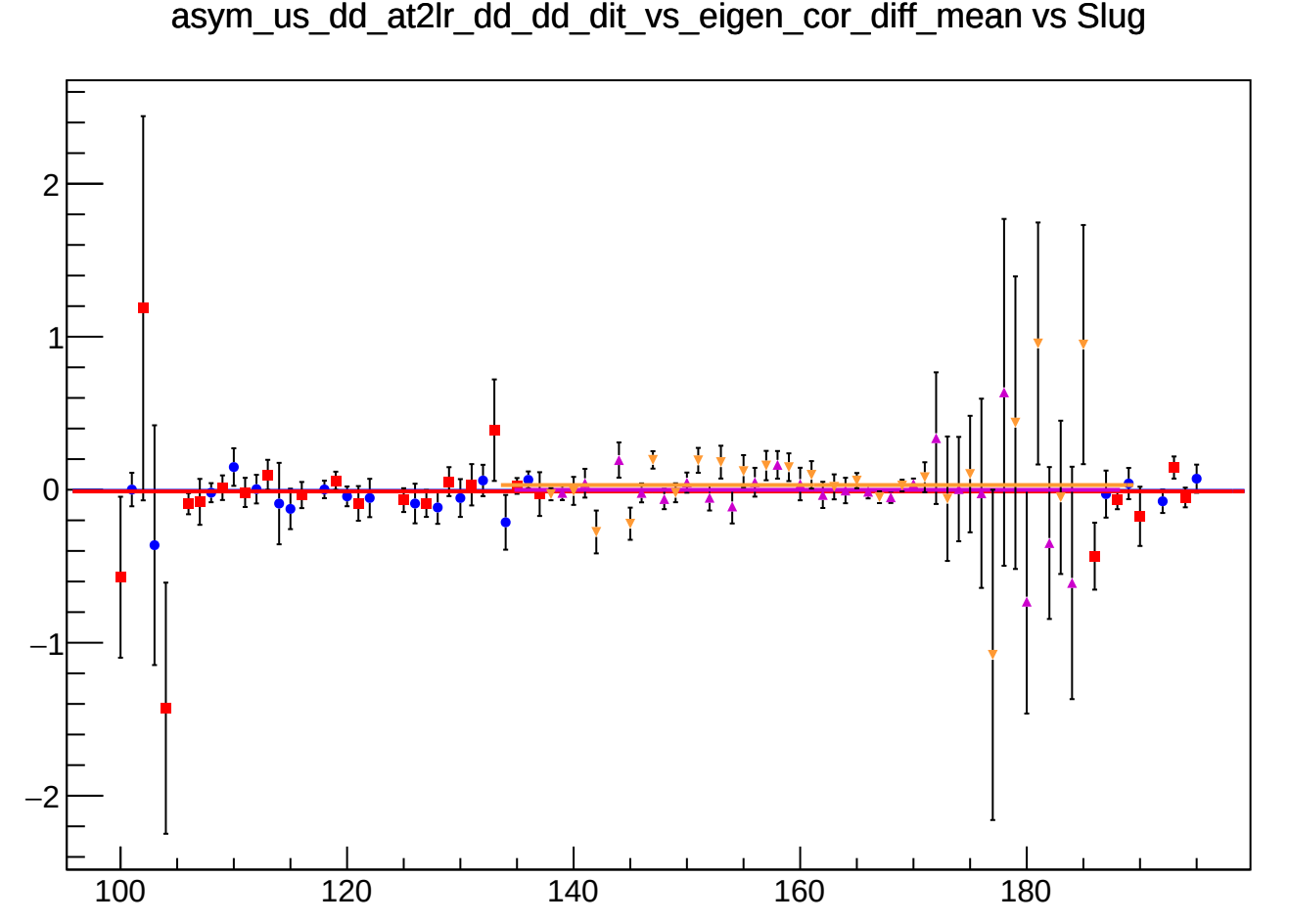
Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.314+/-0.009 χ^2/NDF: 14332318.6/43

All: 52.229+/-0.006 χ^2/NDF: 30147331.3/89

- sign 51.236+/-0.008 χ^2/NDF: 15785813.0/45



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

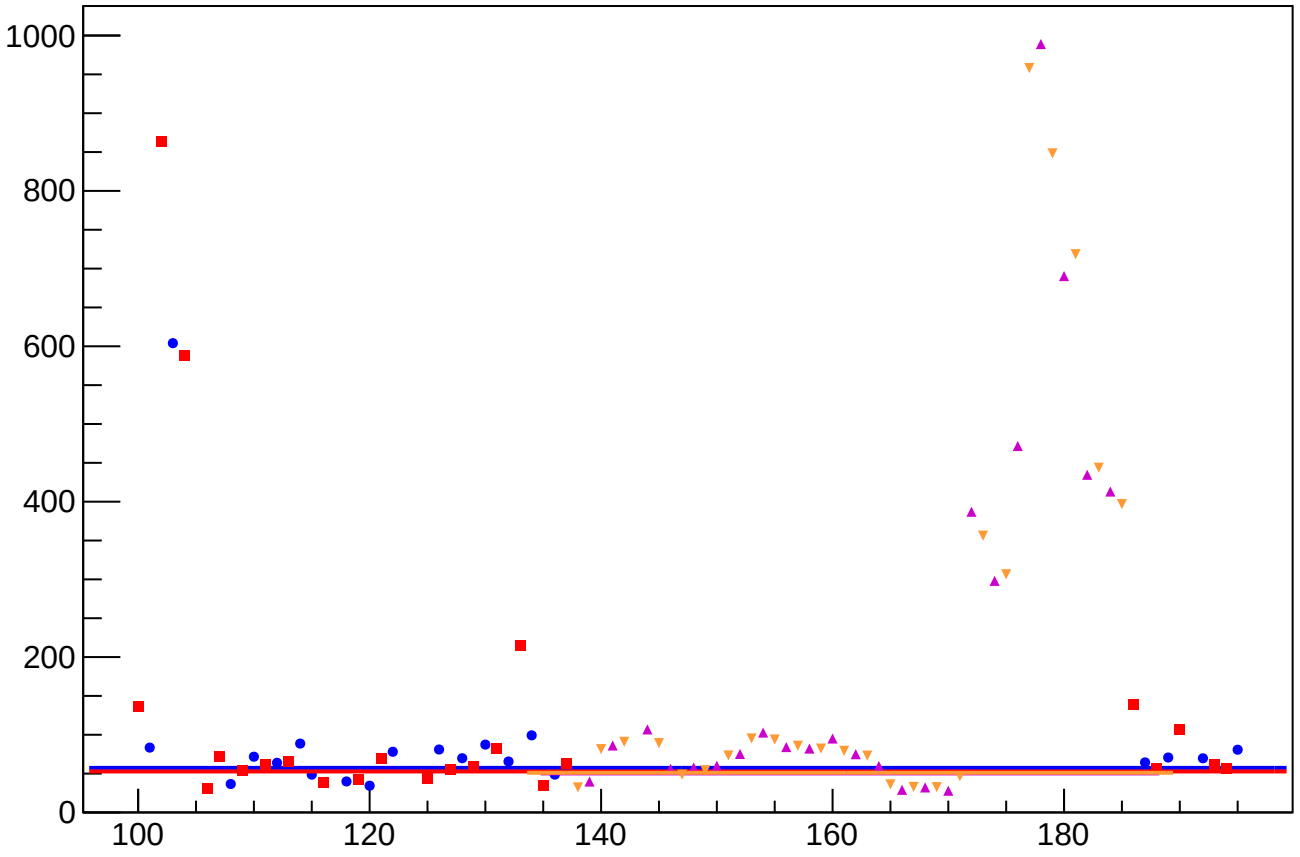
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

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: 95.6/89

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

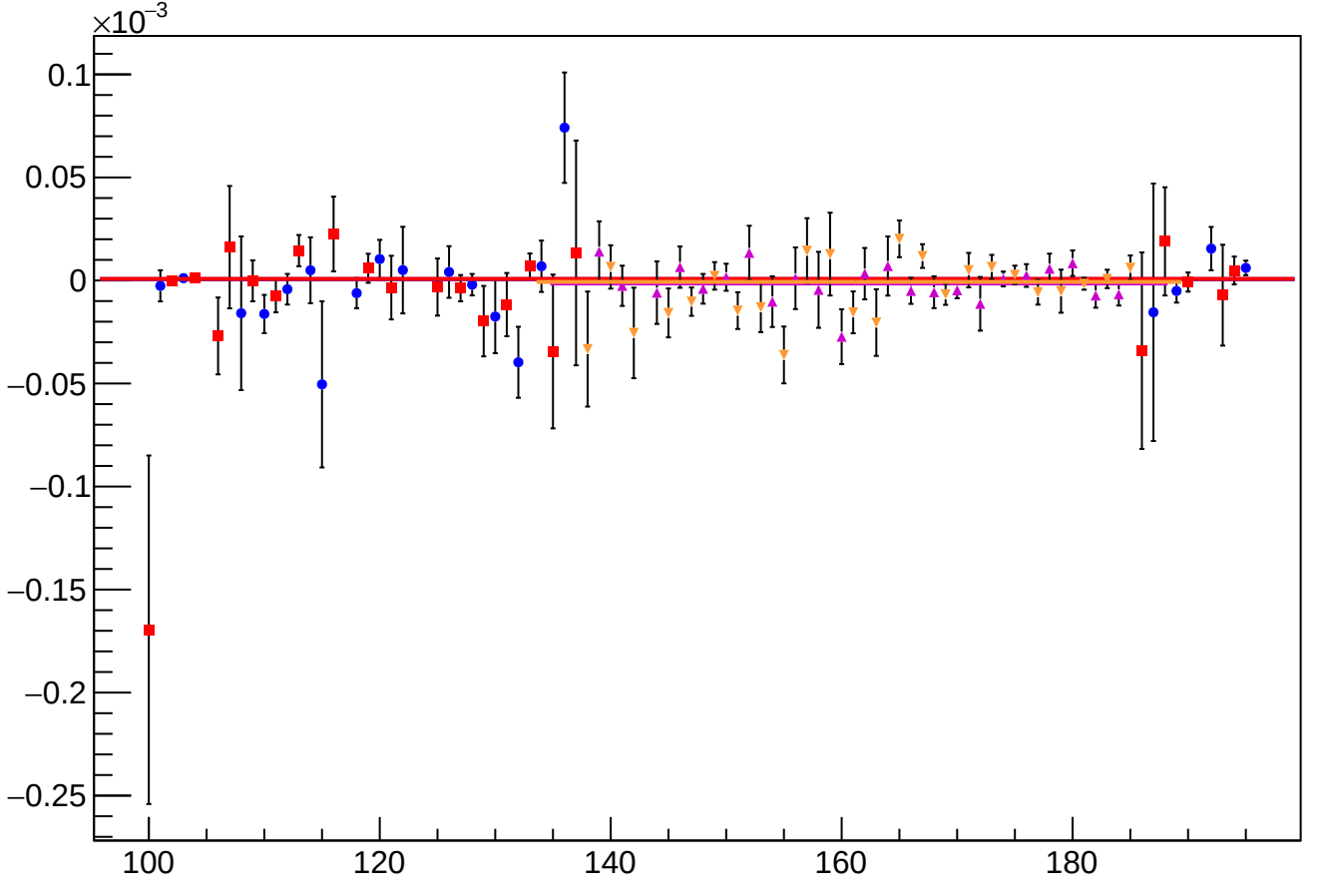
Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.314+/-0.009 χ^2/NDF: 14332318.6/43

All: 52.229+/-0.006 χ^2/NDF: 30147331.3/89

- sign 51.236+/-0.008 χ^2/NDF: 15785813.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

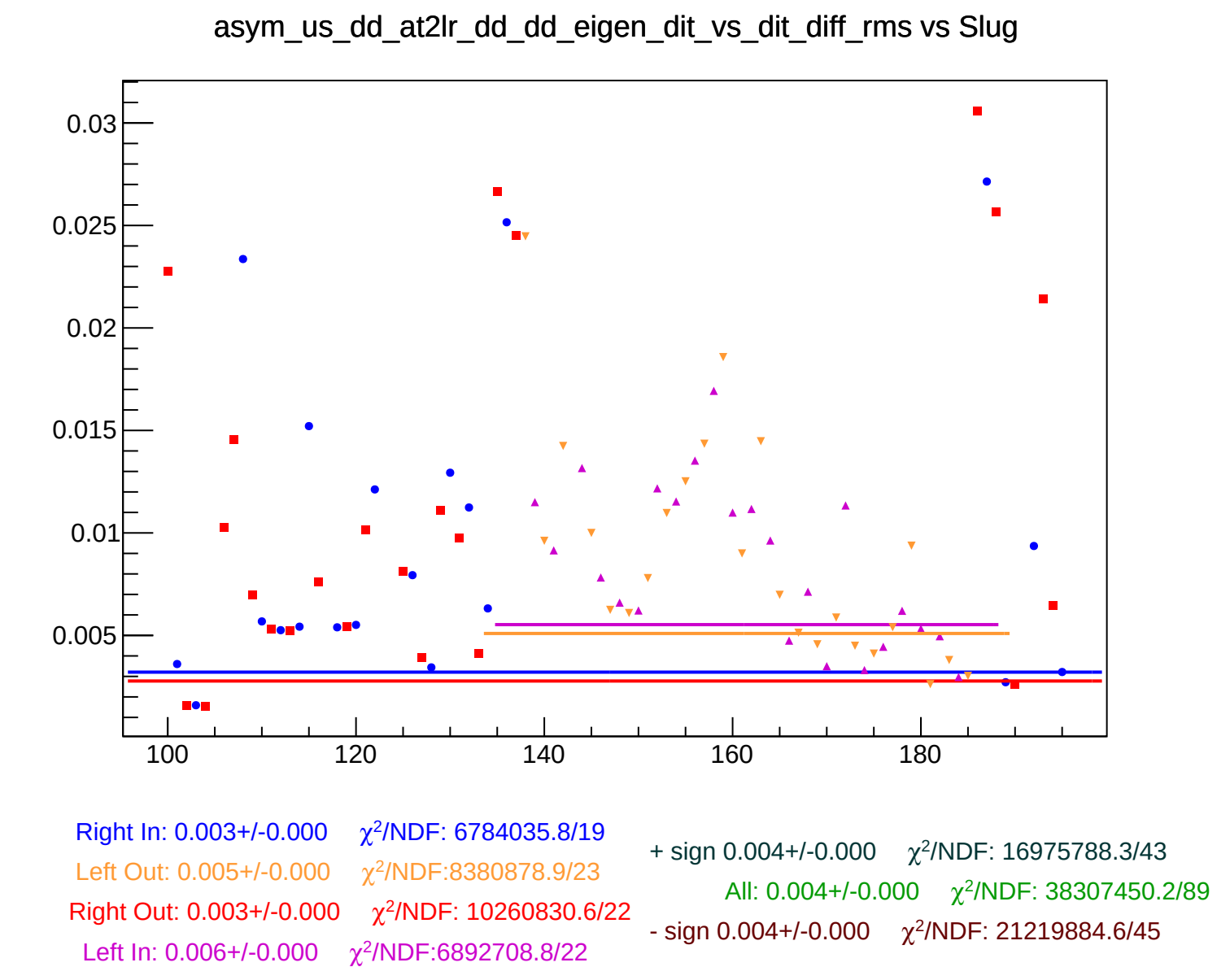
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/22

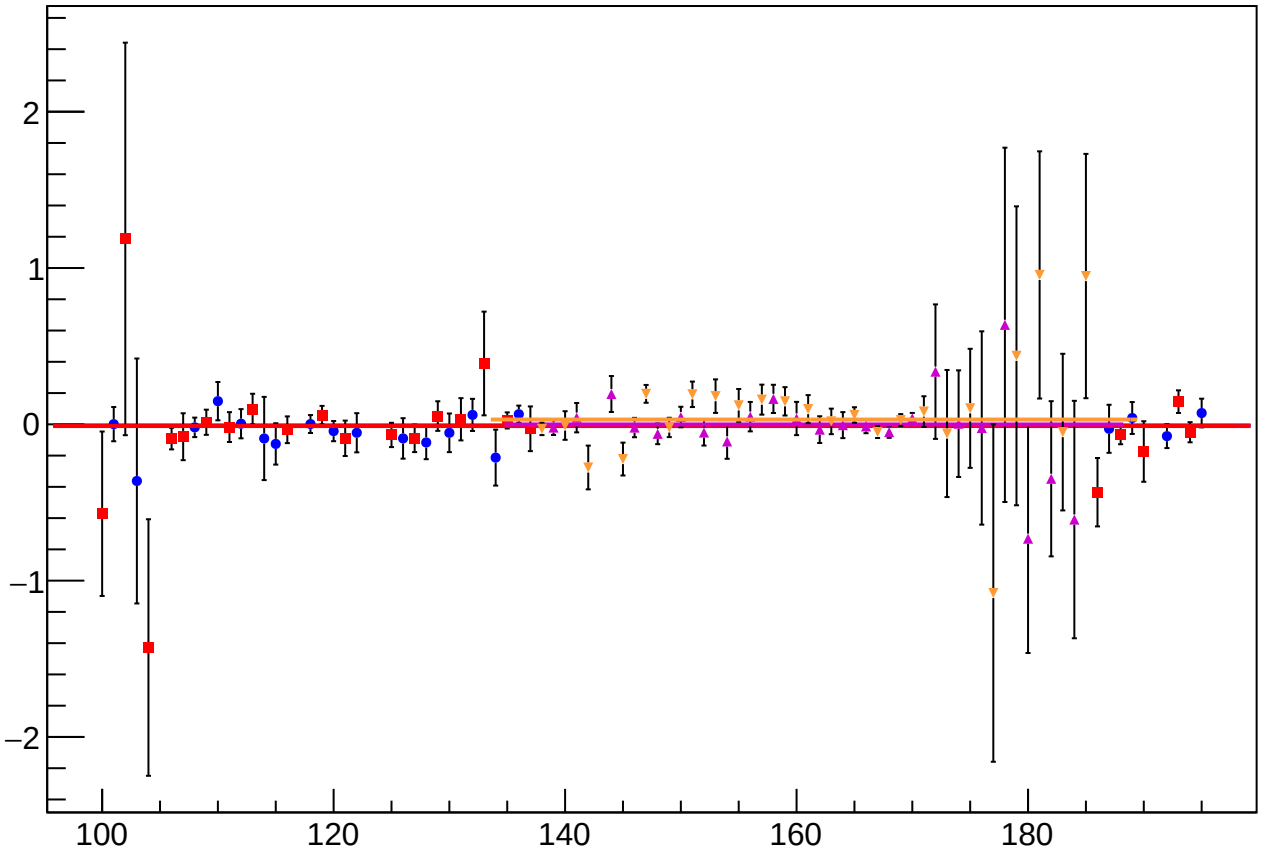
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.9/43

All: -0.000+/-0.000 χ^2/NDF: 104.0/89

- sign -0.000+/-0.000 χ^2/NDF: 37.2/45


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
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: 10260830.6/22
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: 38307450.2/89
- sign 0.004+/-0.000 χ²/NDF: 21219884.6/45



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

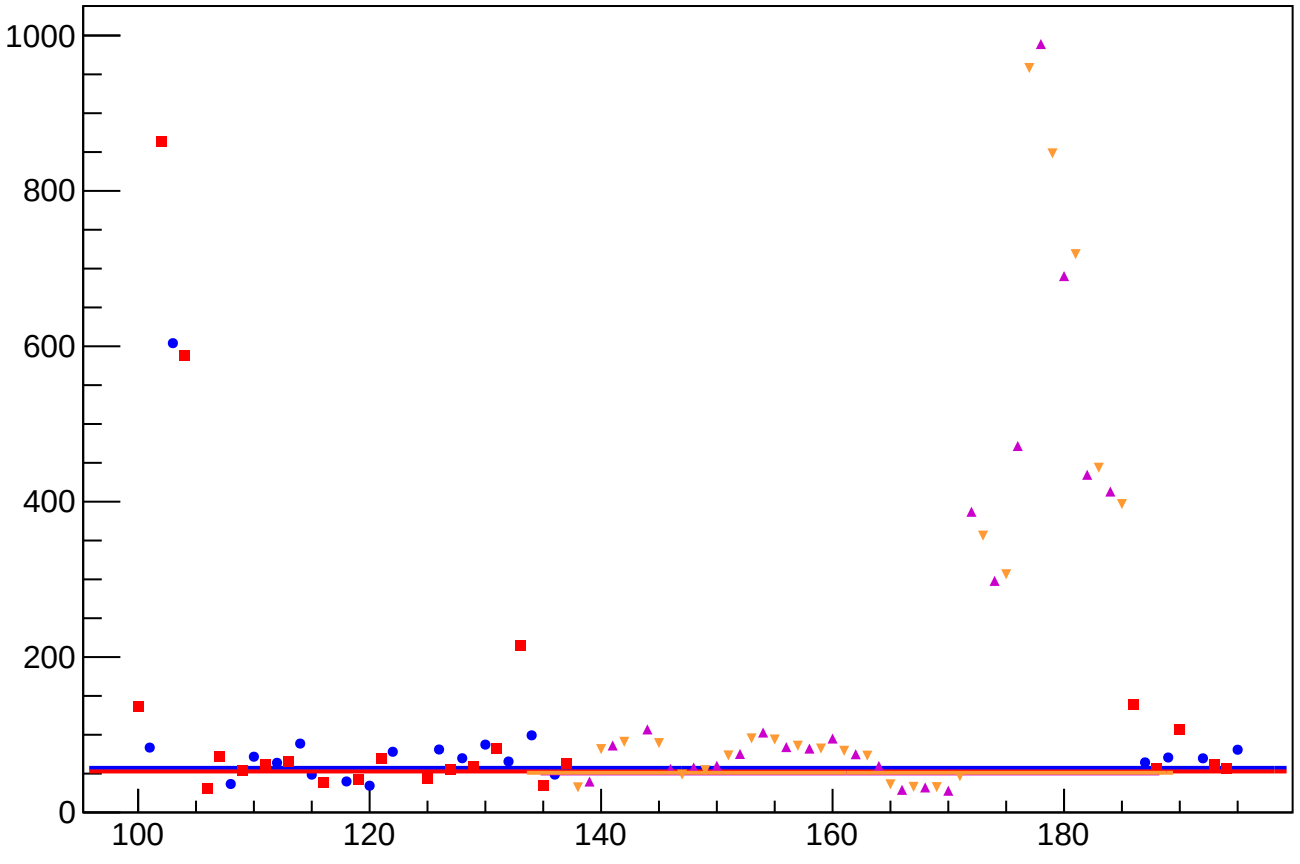
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

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: 95.6/89

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



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: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

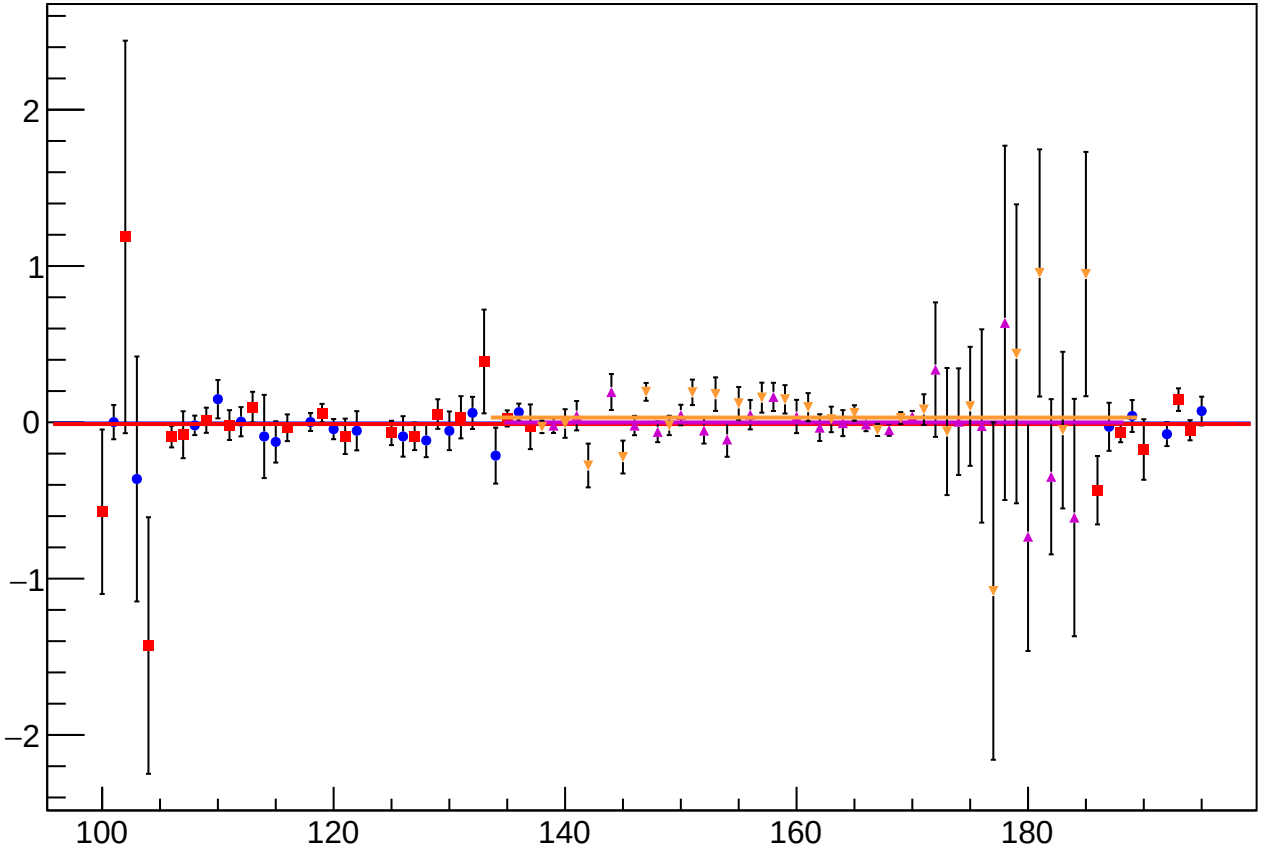
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.317+/-0.009 χ^2/NDF: 14331020.1/43

All: 52.231+/-0.006 χ^2/NDF: 30145726.5/89

- sign 51.237+/-0.008 χ^2/NDF: 15785456.0/45

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

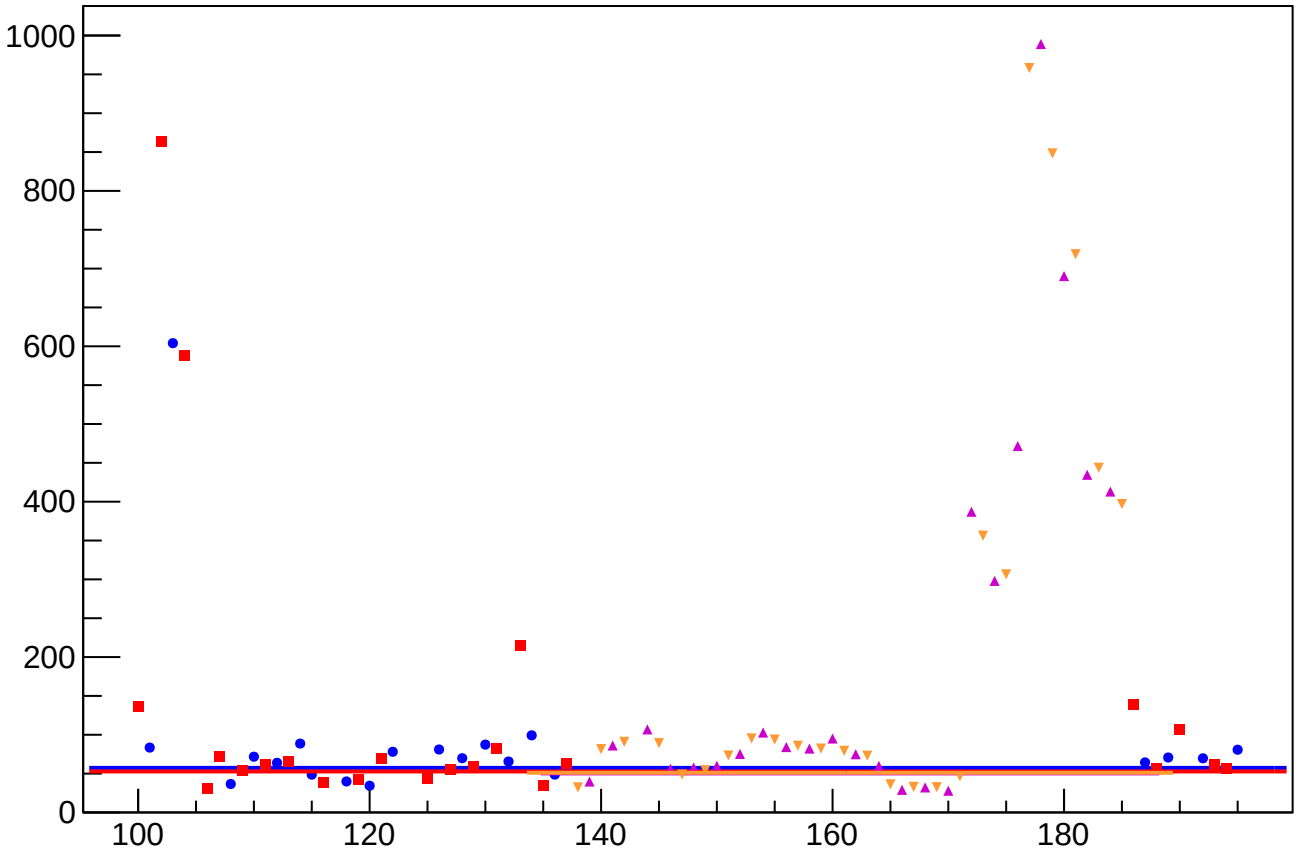
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

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: 95.6/89

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 57.373+/-0.015 χ^2/NDF: 2477877.2/19

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

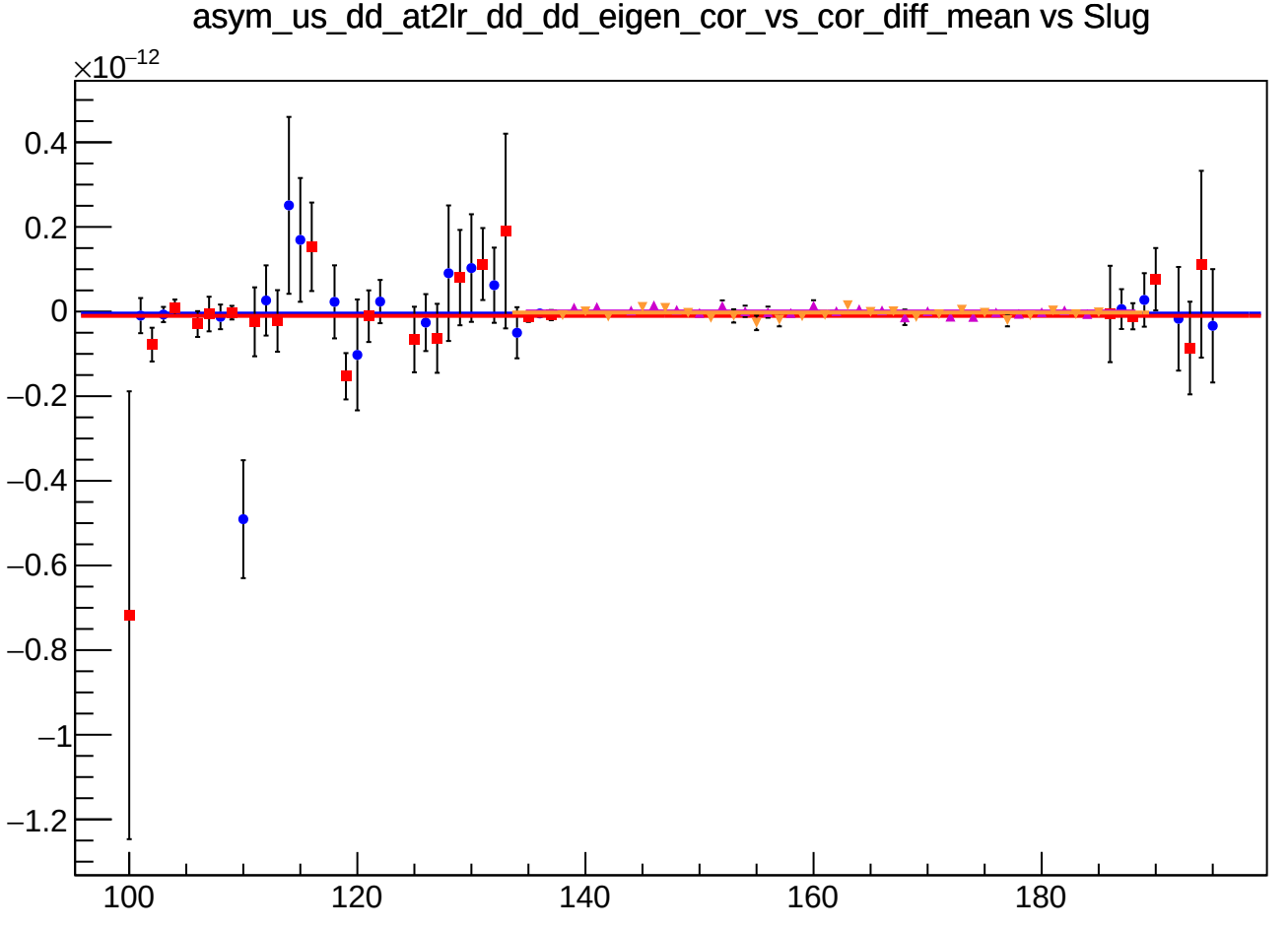
Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.317+/-0.009 χ^2/NDF: 14331020.1/43

All: 52.231+/-0.006 χ^2/NDF: 30145726.5/89

- sign 51.237+/-0.008 χ^2/NDF: 15785456.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

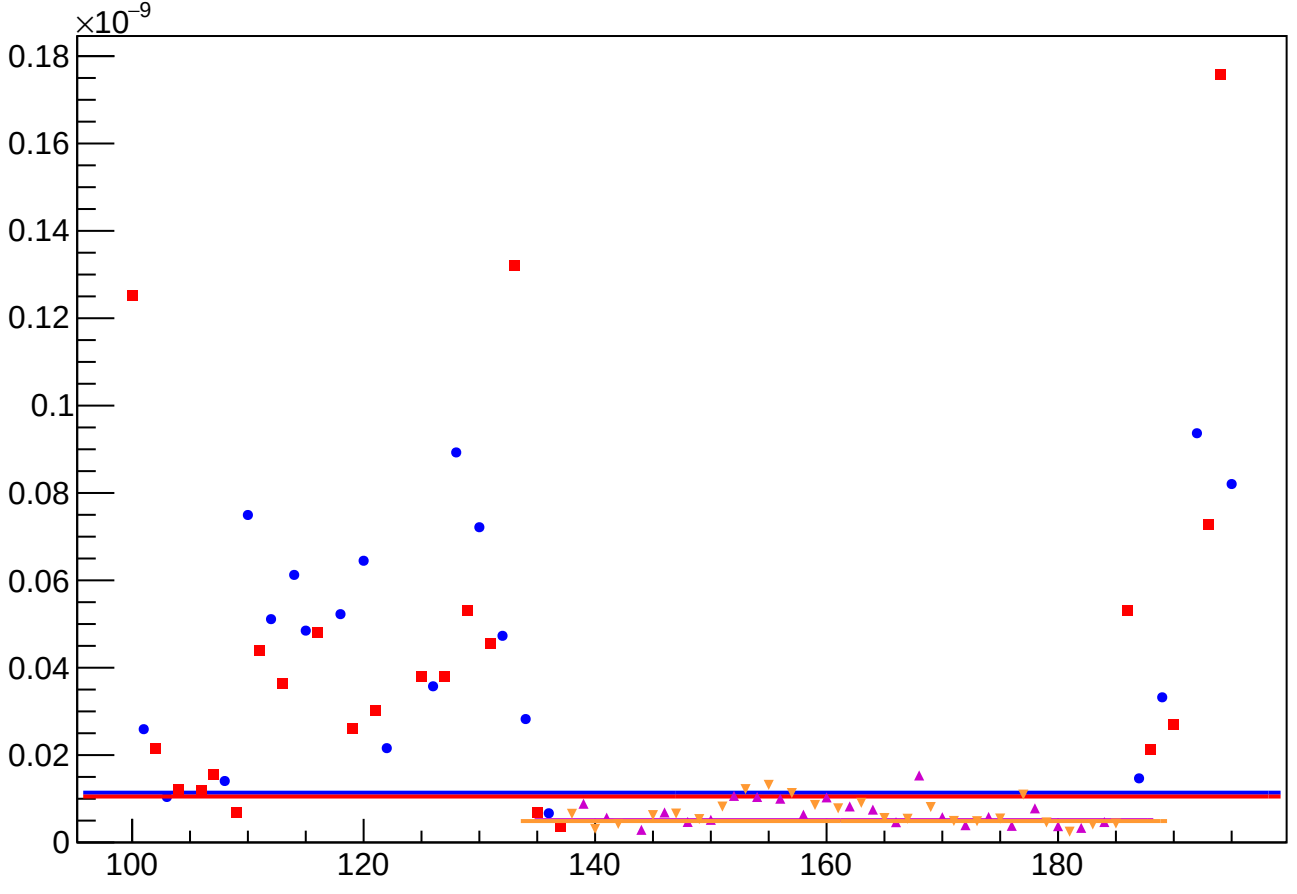
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/22

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: 85.3/89

- sign -0.000+/-0.000 χ^2/NDF: 43.0/45



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: 6474085.3/22

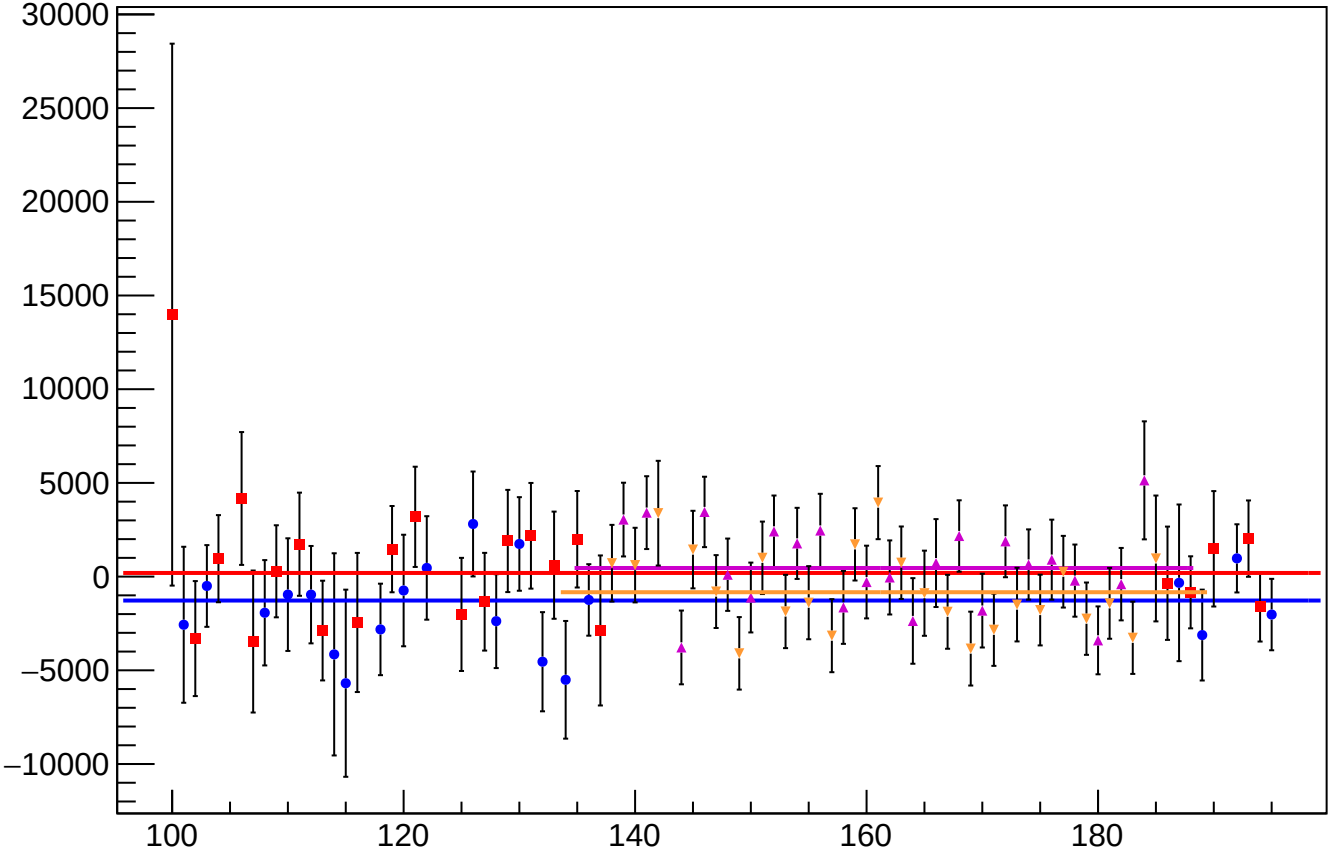
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12387463.9/43

All: 0.000+/-0.000 χ^2/NDF: 24057199.8/89

- sign 0.000+/-0.000 χ^2/NDF: 11649827.5/45

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: 194.680+/-562.955 χ^2/NDF: 13.3/22

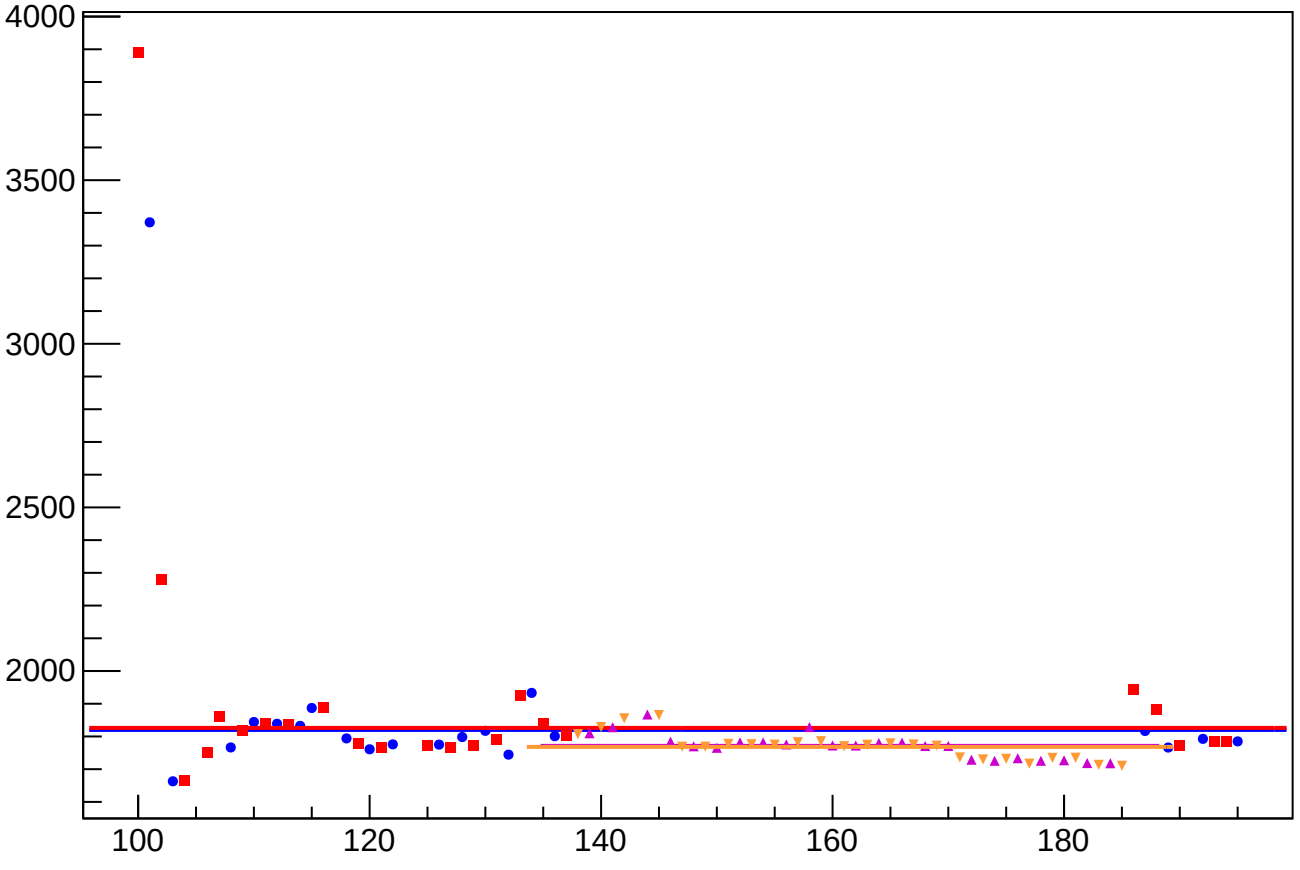
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -978.773+/-336.199 χ^2/NDF: 37.4/43

All: -300.268+/-236.708 χ^2/NDF: 86.3/89

- sign 366.717+/-333.332 χ^2/NDF: 40.7/45

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

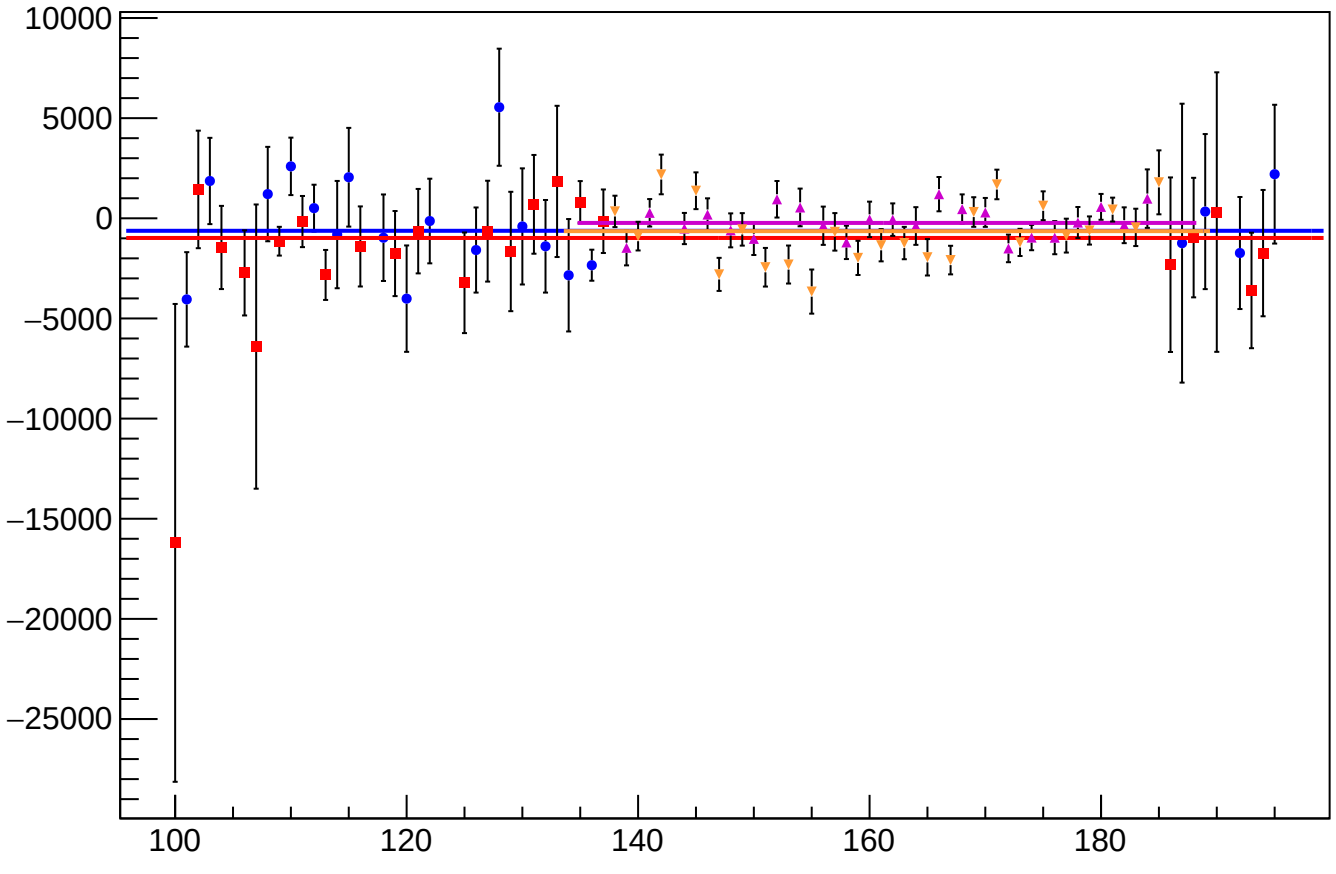
Right Out: 1826.199+/-0.398 χ^2/NDF: 110232.0/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325134.1/43

All: 1787.868+/-0.167 χ^2/NDF: 464431.4/89

- sign 1790.494+/-0.236 χ^2/NDF: 139046.8/45



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: -981.731+/-381.604 χ^2/NDF: 12.6/22

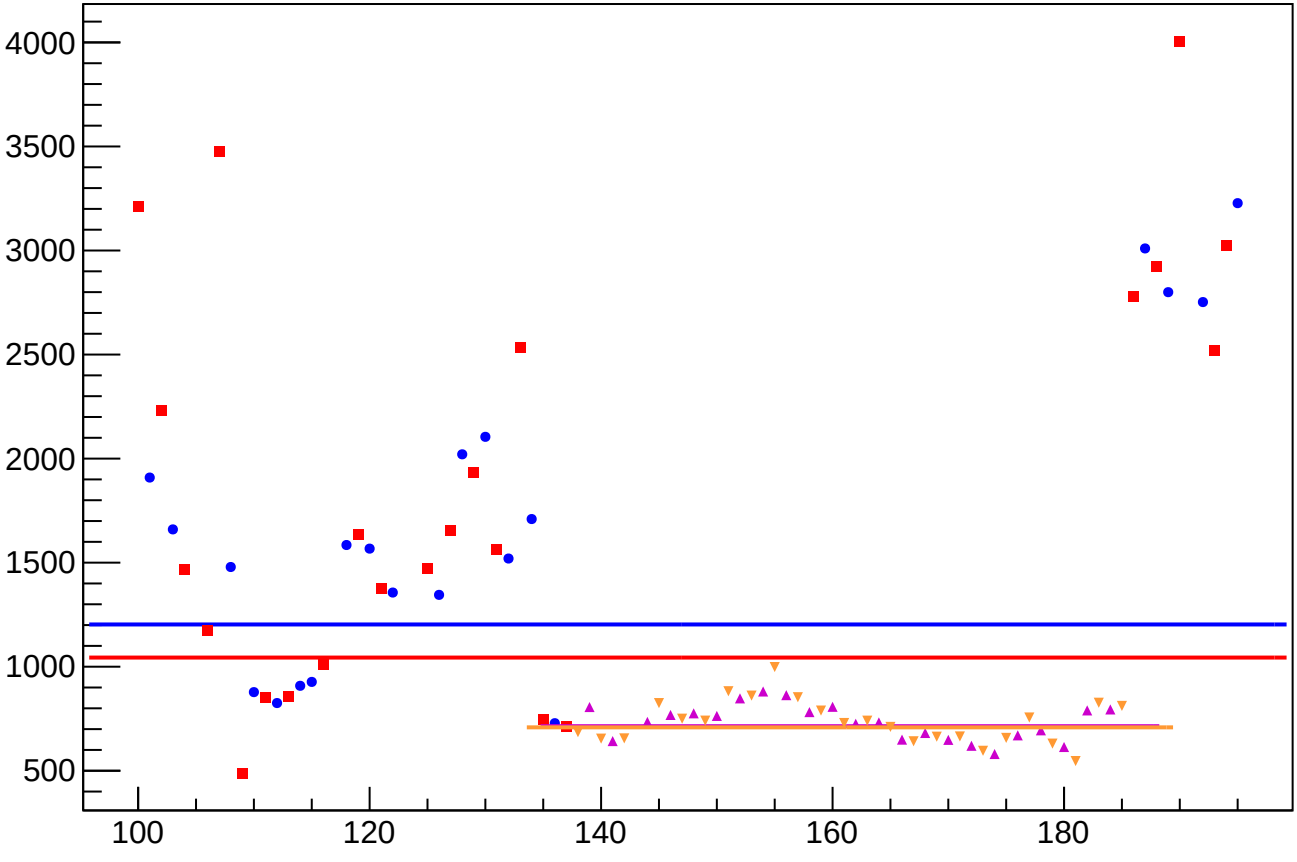
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -638.755+/-155.215 χ^2/NDF: 90.8/43

All: -494.748+/-109.323 χ^2/NDF: 128.3/89

- sign -352.979+/-154.003 χ^2/NDF: 35.8/45

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: 1043.899+/-0.270 χ^2/NDF: 6007112.8/22

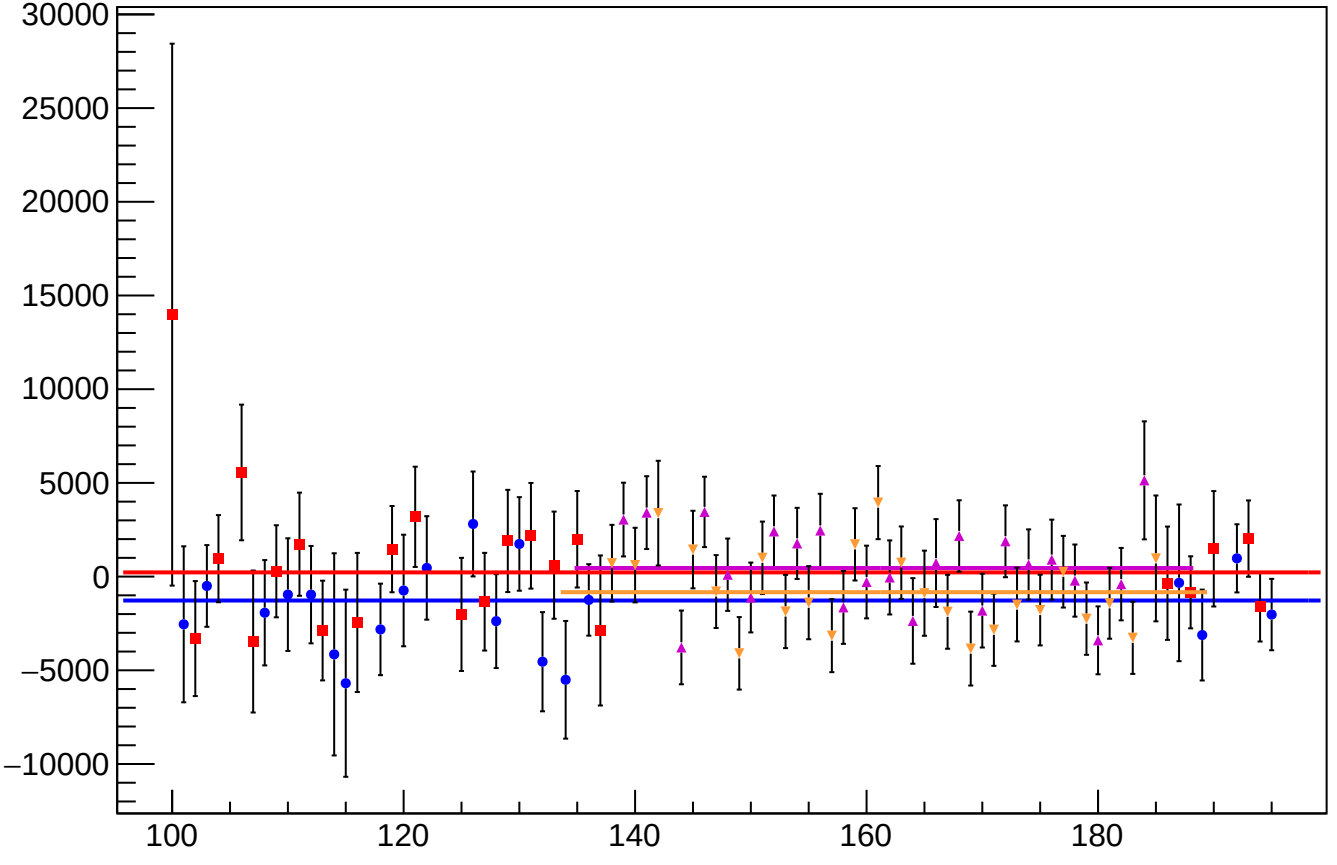
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

\+ sign 772.998+/-0.110 χ^2/NDF: 6754172.9/43

All: 770.412+/-0.077 χ^2/NDF: 14509701.4/89

\- sign 767.866+/-0.109 χ^2/NDF: 7754426.7/45

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: 224.157+/-563.245 χ^2/NDF: 14.3/22

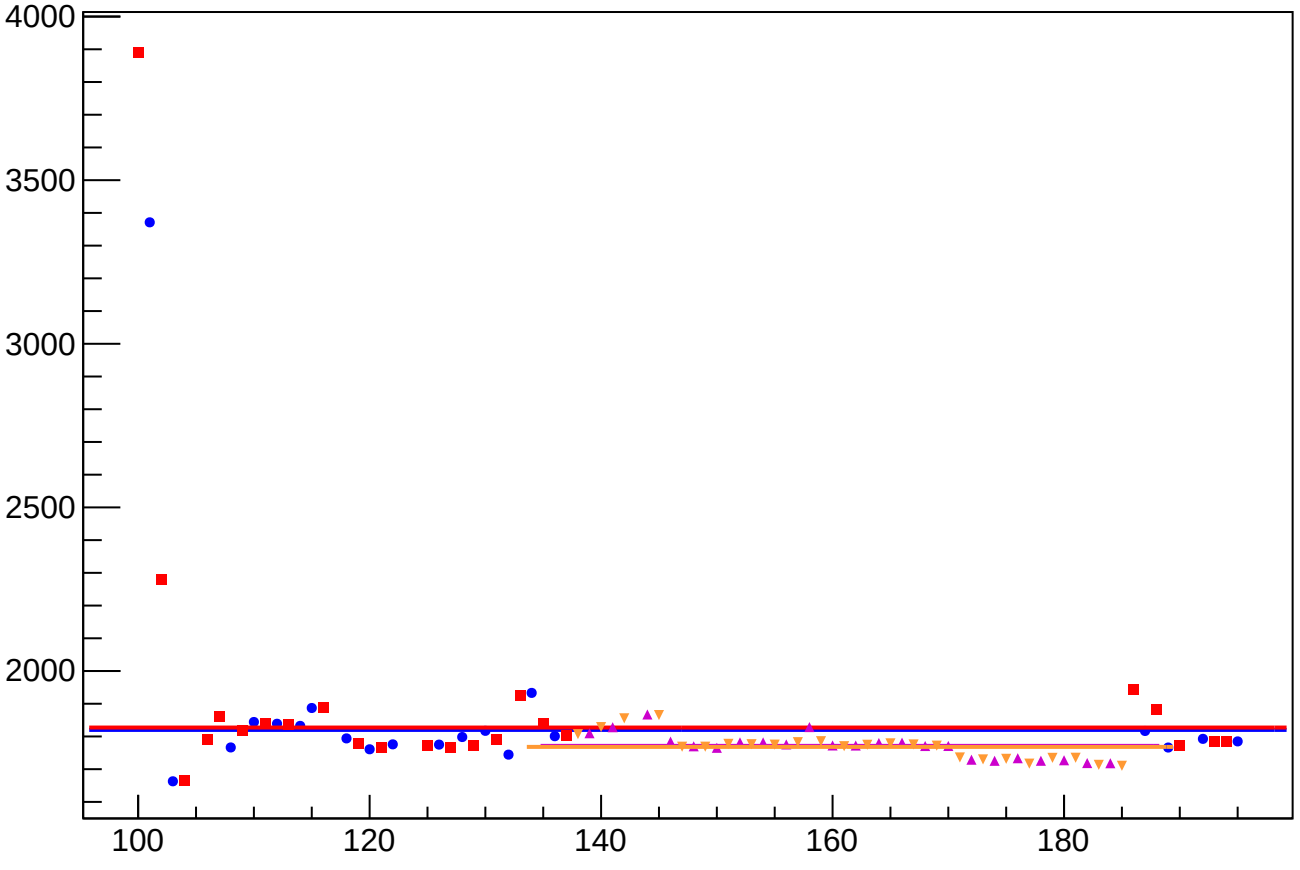
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

\+ sign -978.563+/-336.199 χ^2/NDF: 37.4/43

All: -295.060+/-236.730 χ^2/NDF: 87.3/89

\- sign 377.079+/-333.392 χ^2/NDF: 41.7/45

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

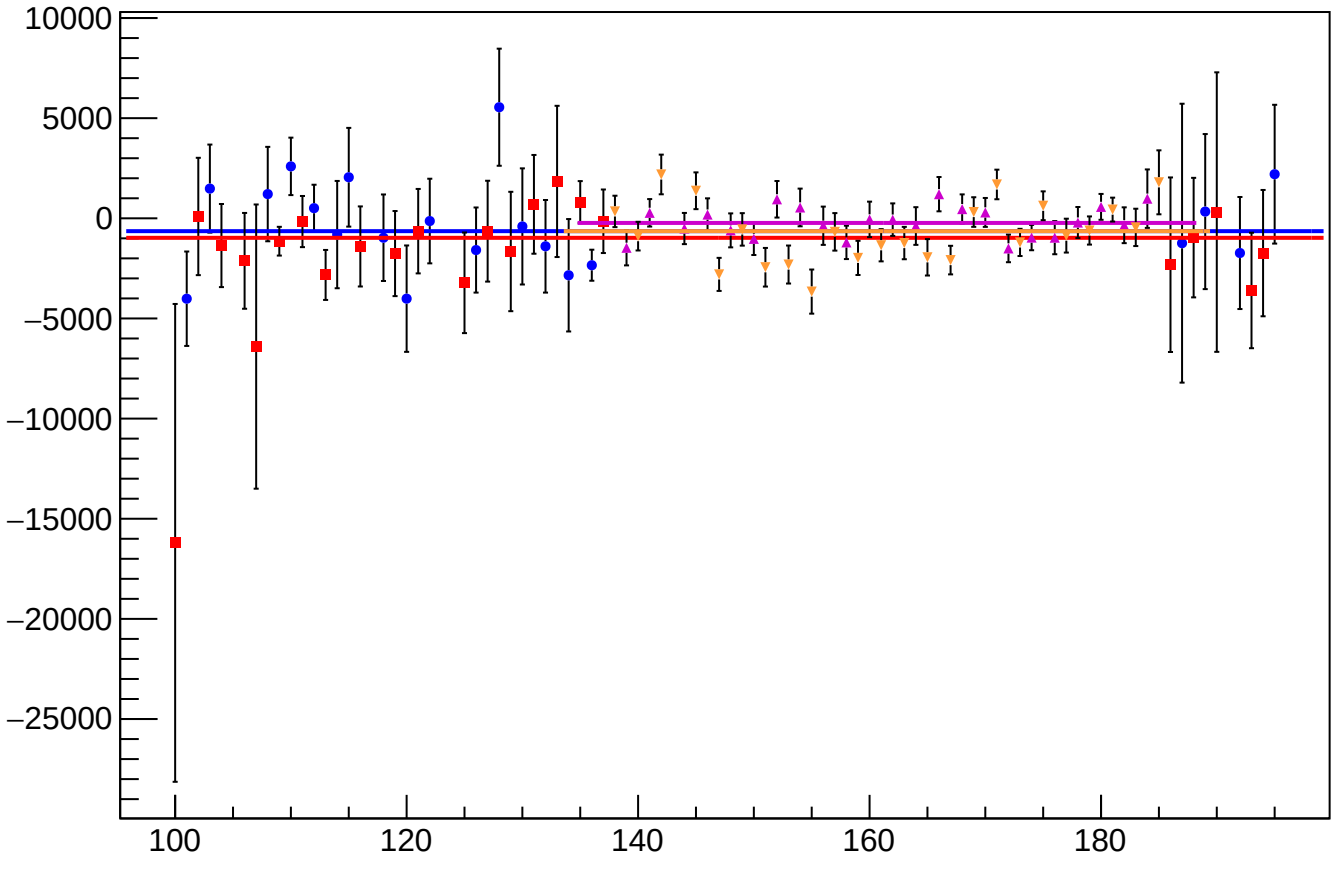
Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325136.0/43

All: 1788.050+/-0.167 χ^2/NDF: 464213.1/89

- sign 1790.855+/-0.236 χ^2/NDF: 138791.5/45



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

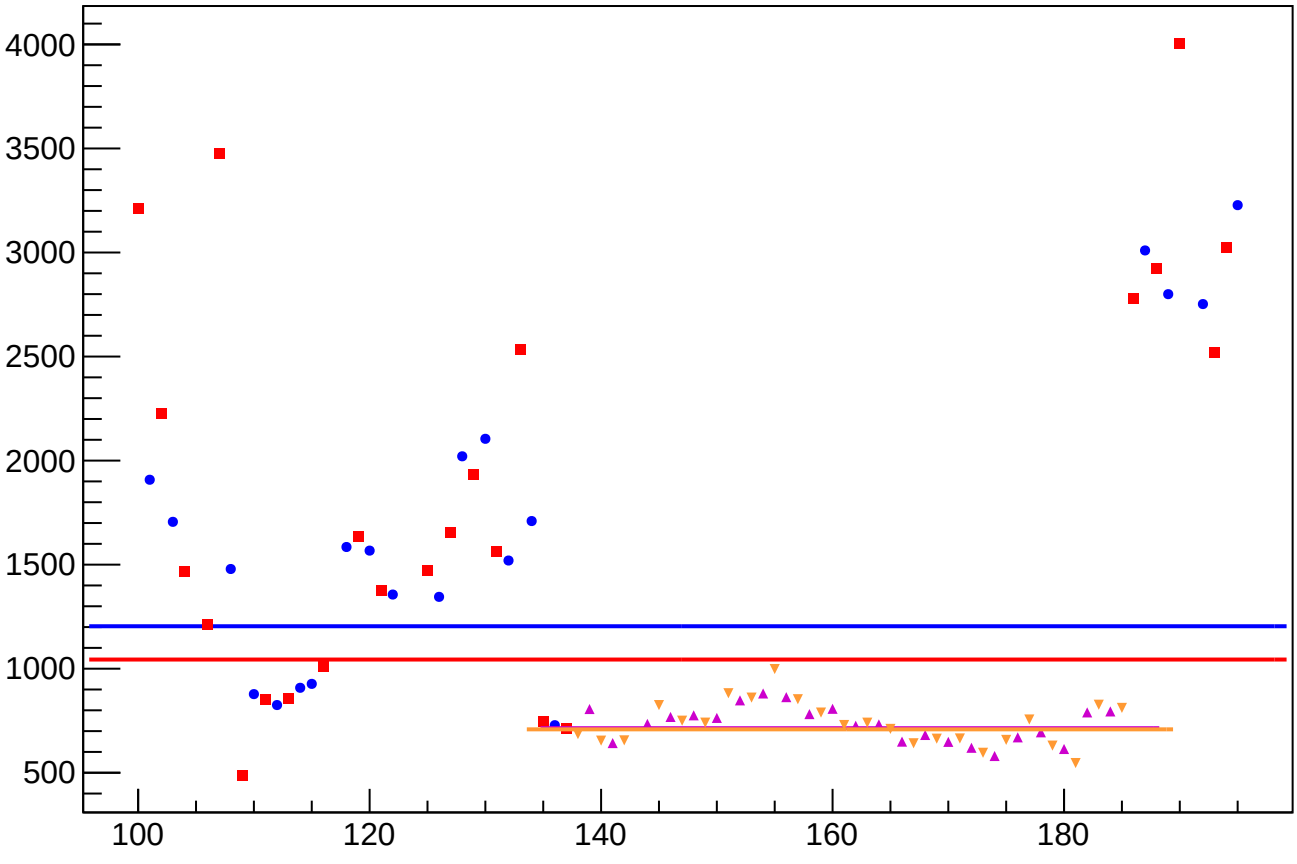
Right Out: -973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -641.019+/-155.232 χ^2/NDF: 90.3/43

All: -494.917+/-109.359 χ^2/NDF: 126.8/89

- sign -350.960+/-154.088 χ^2/NDF: 34.7/45



Right In: 1204.002+/-0.304 χ^2/NDF: 3765794.9/19

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

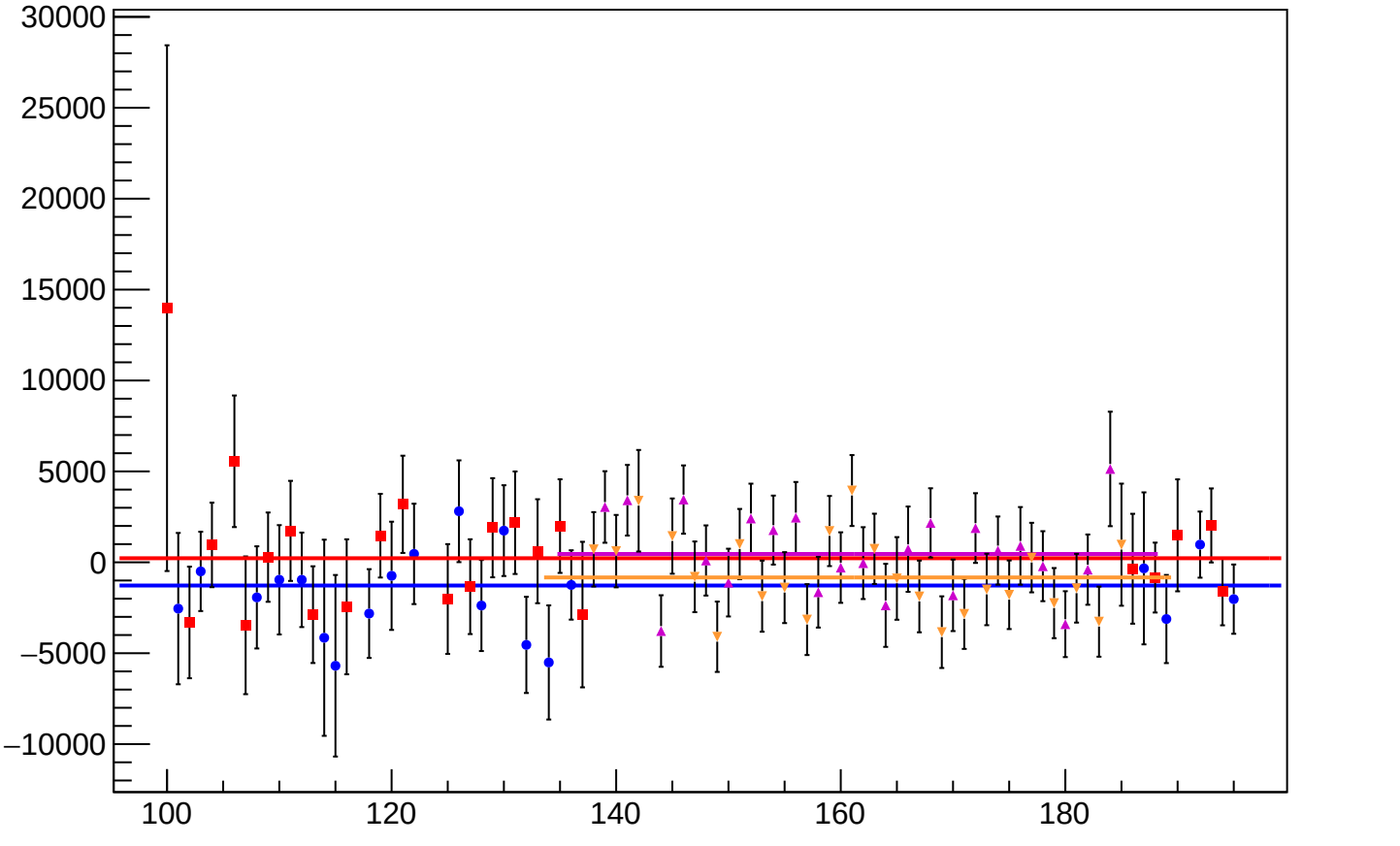
Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 773.049+/-0.110 χ^2/NDF: 6774737.5/43

All: 770.297+/-0.077 χ^2/NDF: 14525270.1/89

- sign 767.586+/-0.109 χ^2/NDF: 7749285.1/45



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: 224.157+/-563.245 χ^2/NDF: 14.3/22

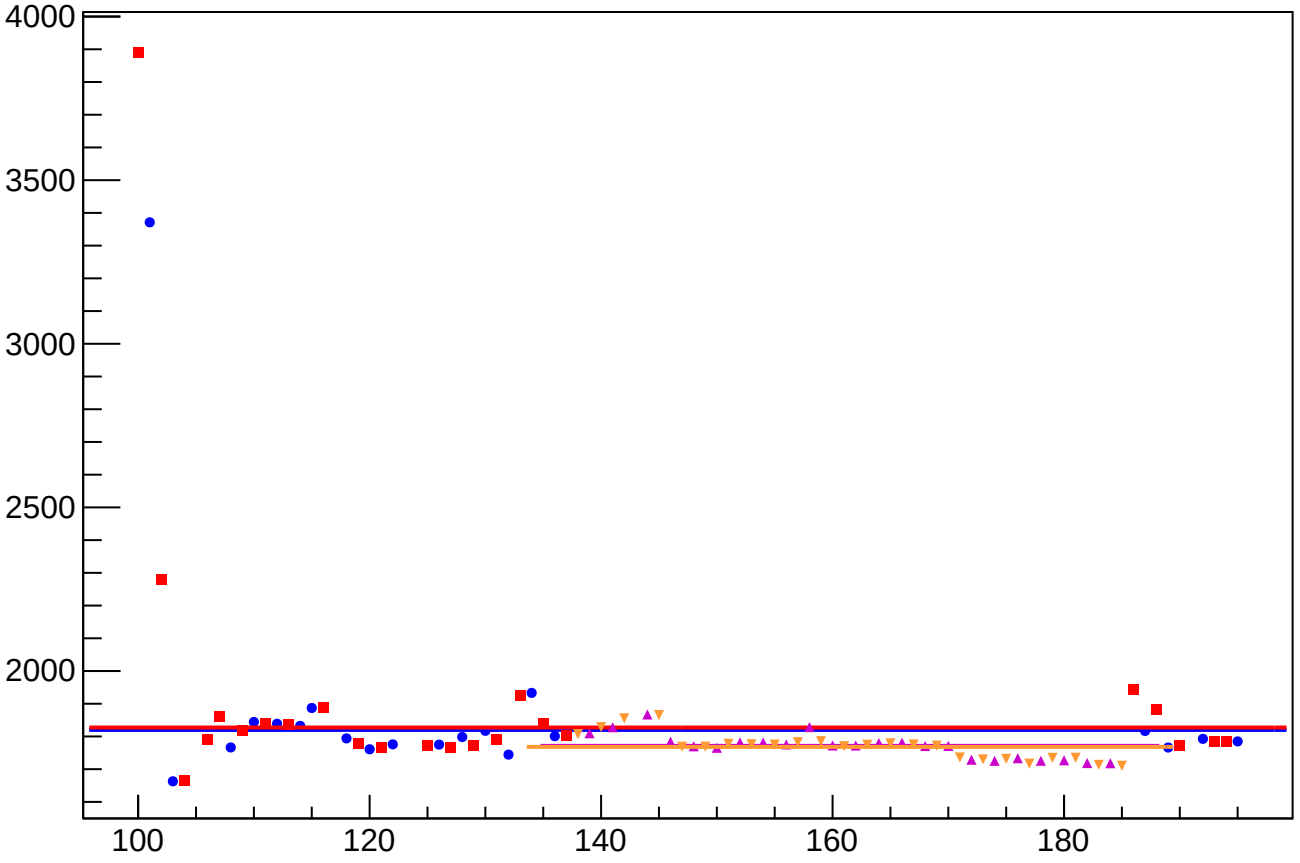
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -978.563+/-336.199 χ^2/NDF: 37.4/43

All: -295.060+/-236.730 χ^2/NDF: 87.3/89

- sign 377.079+/-333.392 χ^2/NDF: 41.7/45

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

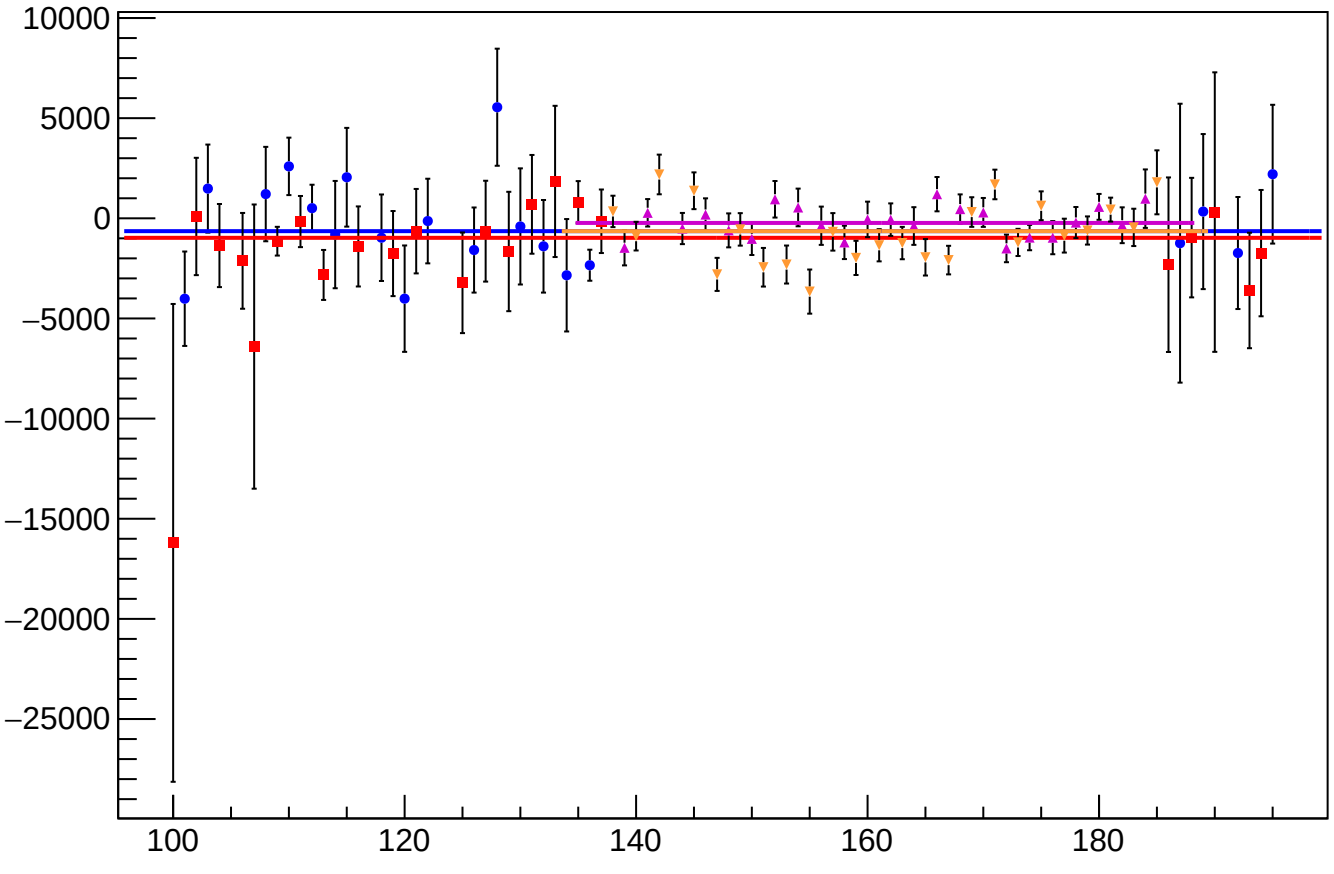
Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.196+/-0.238 χ^2/NDF: 325136.0/43

All: 1788.050+/-0.167 χ^2/NDF: 464213.1/89

- sign 1790.855+/-0.236 χ^2/NDF: 138791.5/45



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

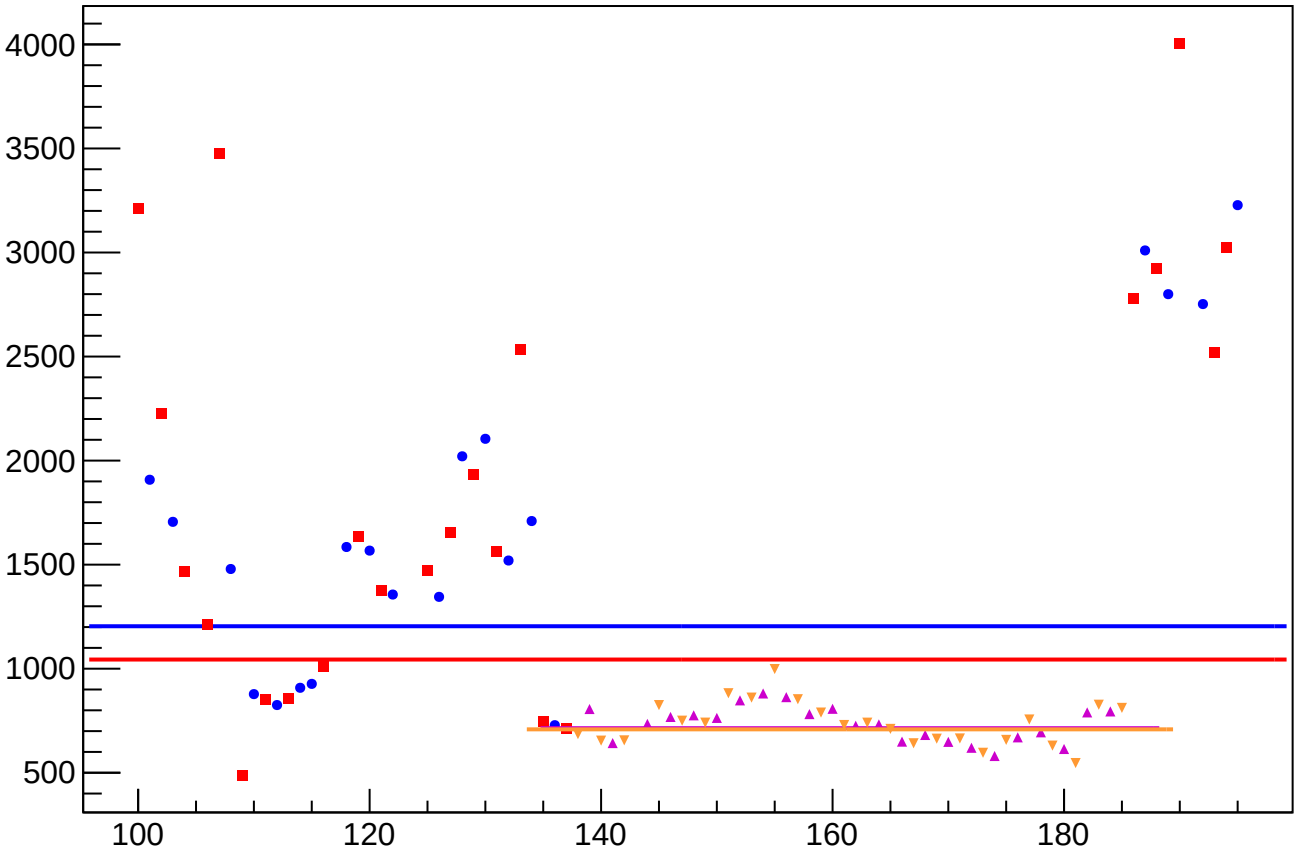
Right Out: -973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -641.019+/-155.232 χ^2/NDF: 90.3/43

All: -494.917+/-109.359 χ^2/NDF: 126.8/89

- sign -350.960+/-154.088 χ^2/NDF: 34.7/45



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: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

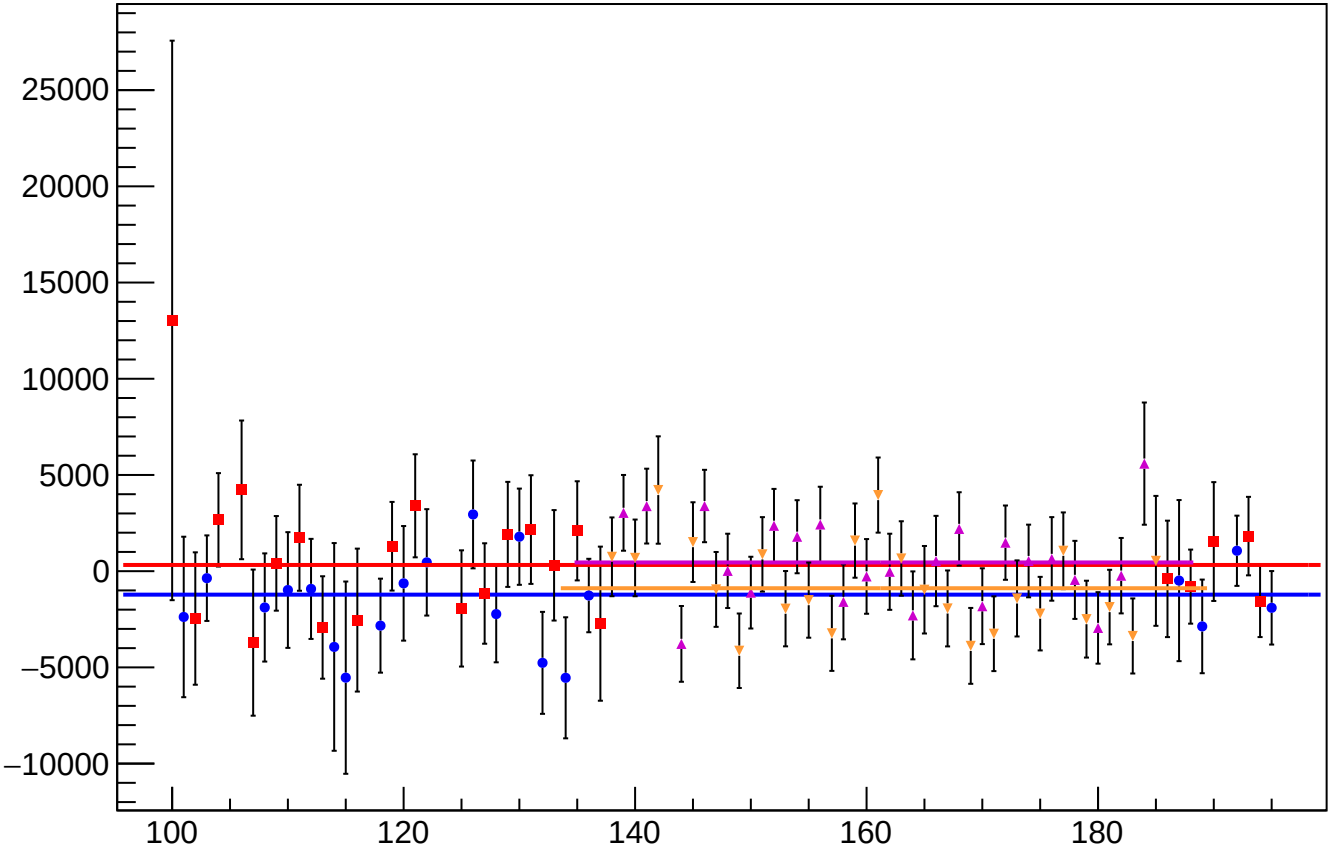
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 773.049+/-0.110 χ^2/NDF: 6774737.5/43

All: 770.297+/-0.077 χ^2/NDF: 14525270.1/89

- sign 767.586+/-0.109 χ^2/NDF: 7749285.1/45

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: 322.918+/-567.163 χ^2/NDF: 13.3/22

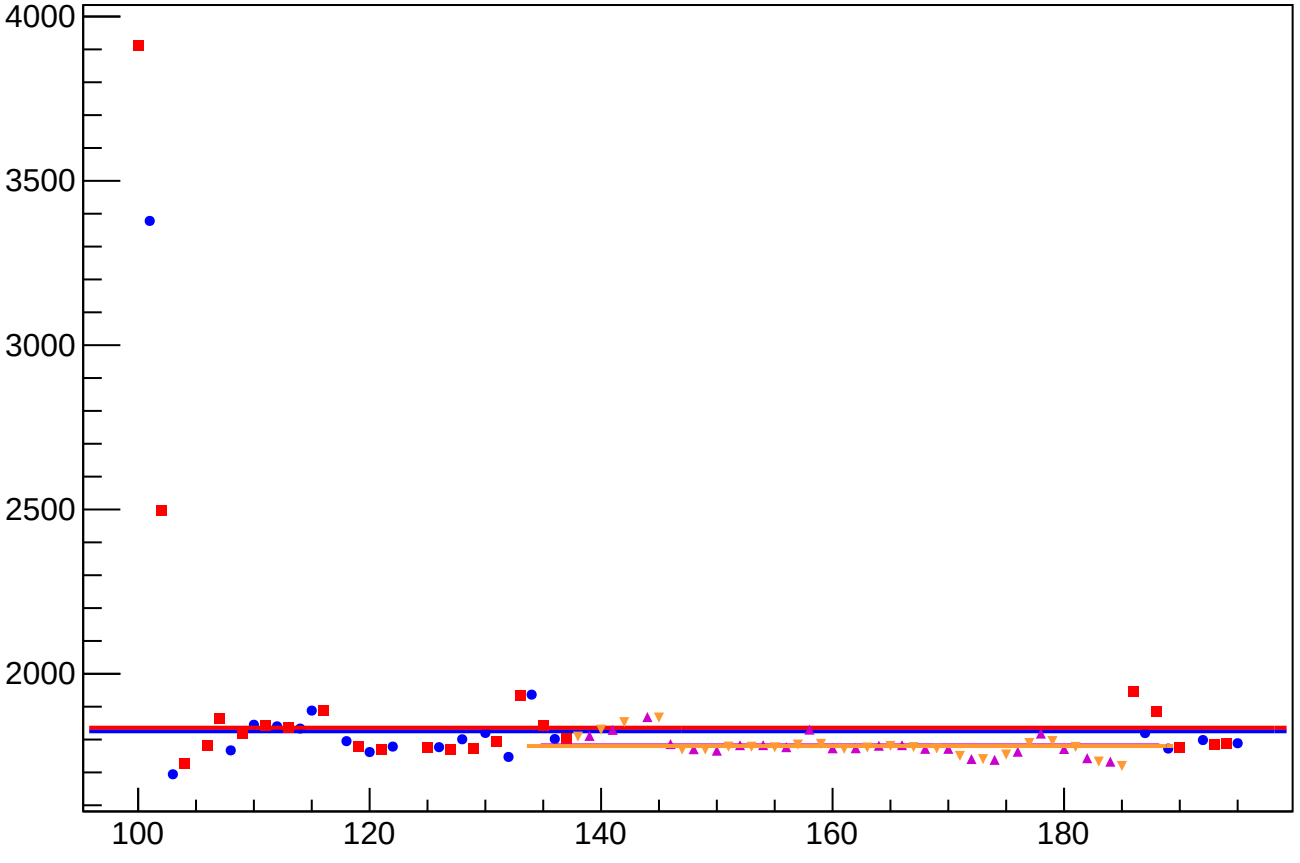
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -996.668+/-338.033 χ^2/NDF: 40.2/43

All: -289.339+/-238.142 χ^2/NDF: 88.0/89

- sign 407.623+/-335.547 χ^2/NDF: 39.2/45

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

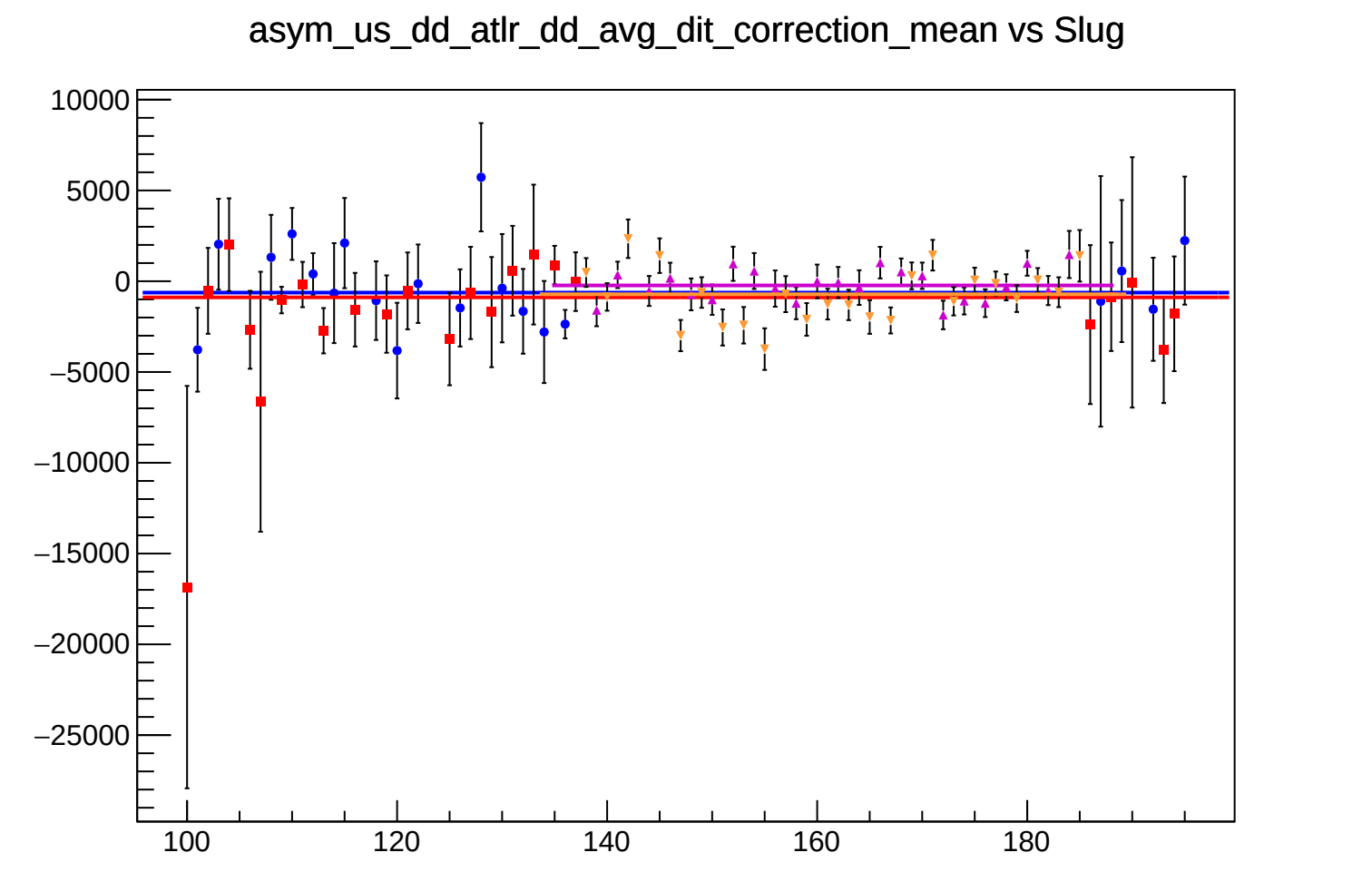
Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.7/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.091+/-0.239 χ^2/NDF: 312994.3/43

All: 1798.127+/-0.168 χ^2/NDF: 471726.1/89

- sign 1801.118+/-0.237 χ^2/NDF: 158411.6/45



Right In: -626.911+/-433.544 χ^2/NDF: 23.6/19

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

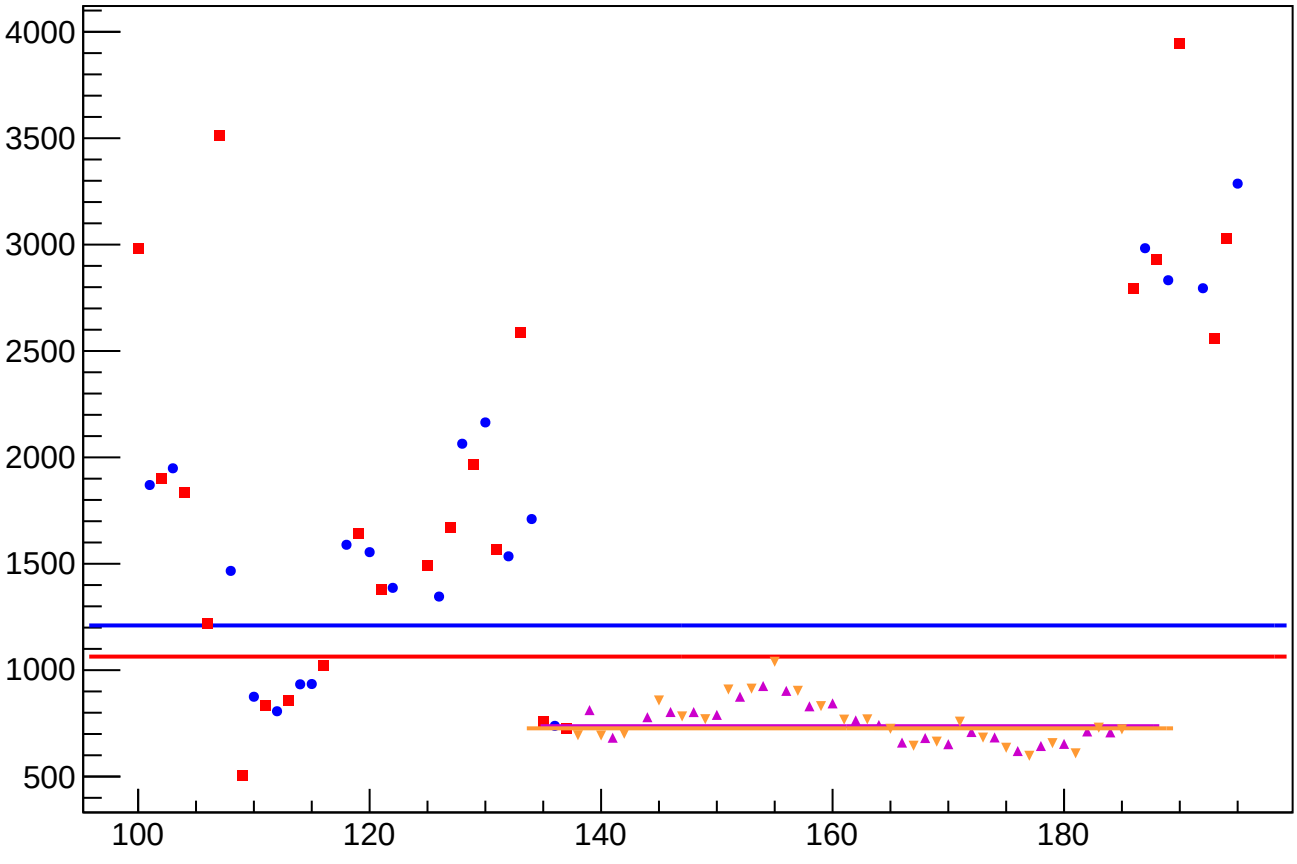
Right Out: -888.827+/-385.158 χ^2/NDF: 13.5/22

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -704.574+/-158.753 χ^2/NDF: 83.0/43

All: -522.671+/-112.039 χ^2/NDF: 125.6/89

- sign -342.165+/-158.142 χ^2/NDF: 40.0/45



Right In: 1210.140+/-0.307 χ^2/NDF: 3868240.5/19

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

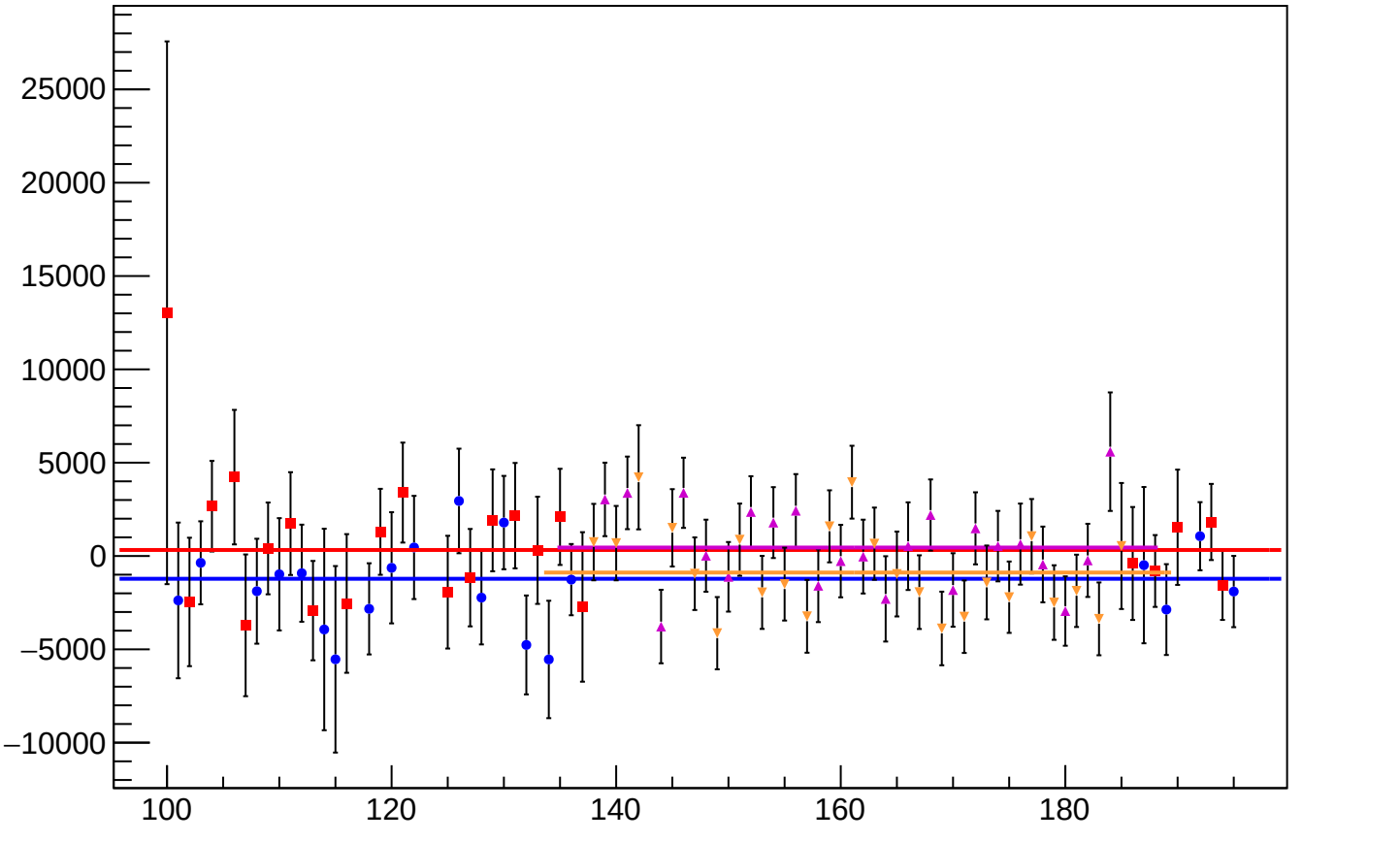
Right Out: 1063.765+/-0.272 χ^2/NDF: 5957563.1/22

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 791.439+/-0.112 χ^2/NDF: 6707272.0/43

All: 791.643+/-0.079 χ^2/NDF: 14328870.4/89

- sign 791.846+/-0.112 χ^2/NDF: 7621591.8/45



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: 322.920+/-567.163 χ^2/NDF: 13.3/22

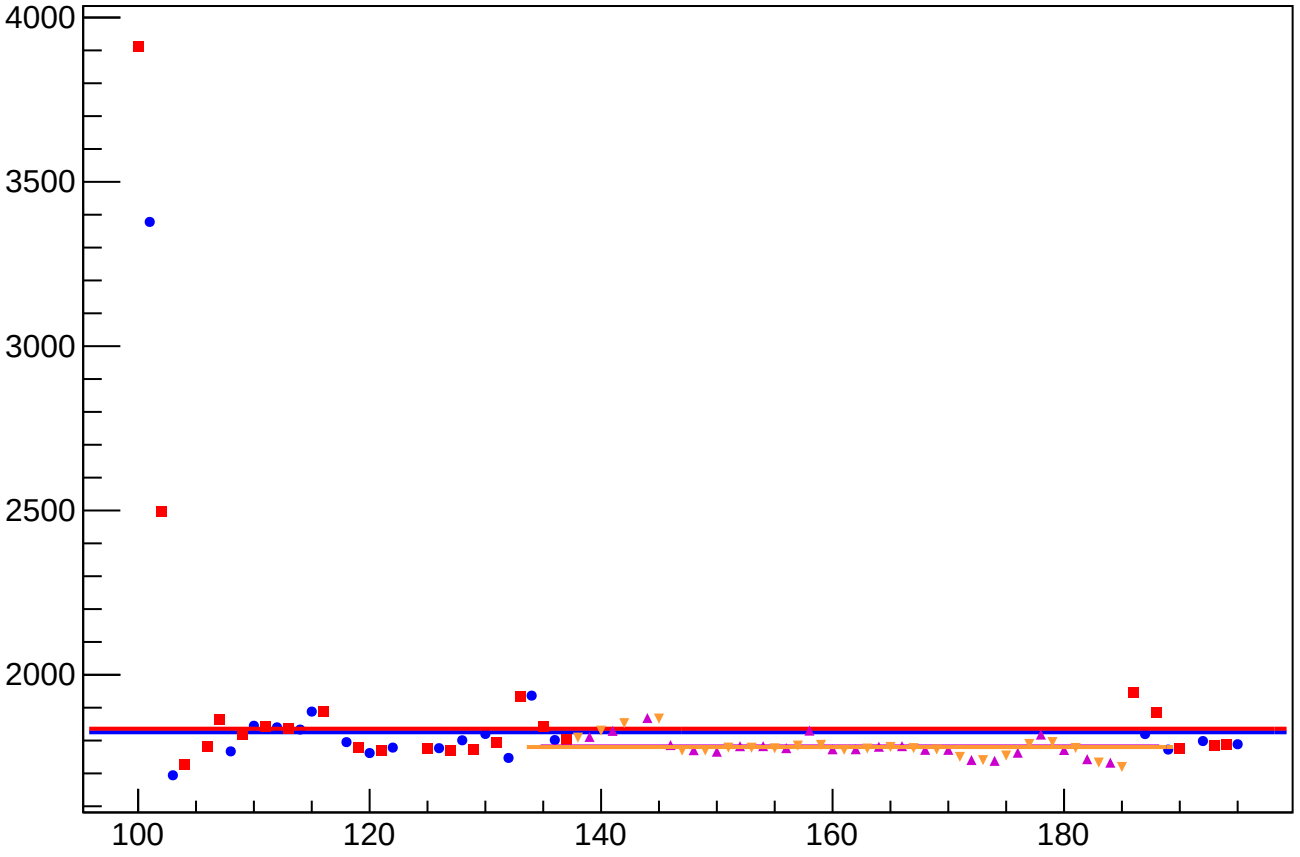
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -996.668+/-338.033 χ^2/NDF: 40.2/43

All: -289.339+/-238.142 χ^2/NDF: 88.0/89

- sign 407.623+/-335.547 χ^2/NDF: 39.2/45

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

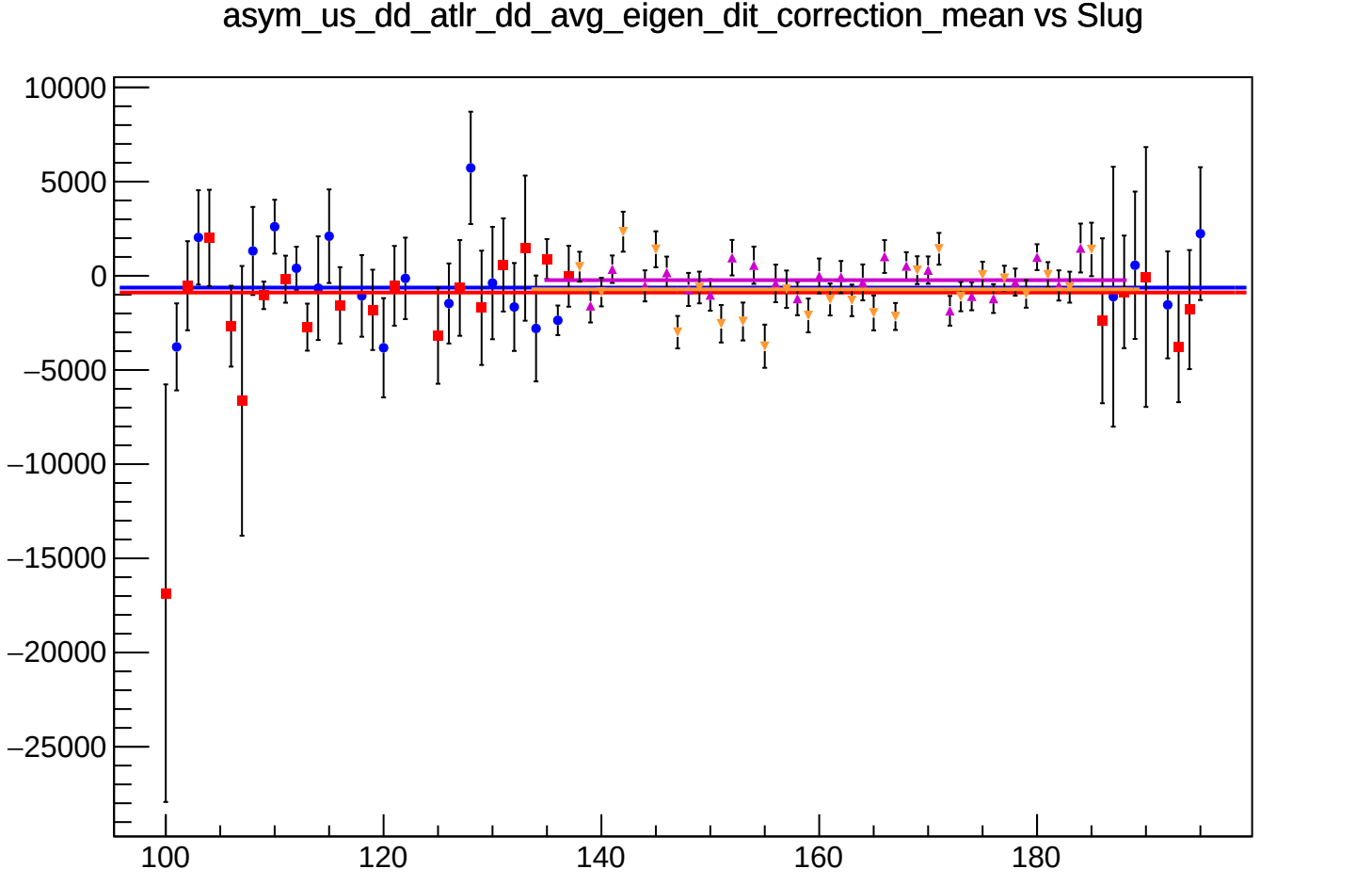
Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.8/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.091+/-0.239 χ^2/NDF: 312994.3/43

All: 1798.127+/-0.168 χ^2/NDF: 471726.3/89

- sign 1801.118+/-0.237 χ^2/NDF: 158411.7/45



Right In: -626.899+/-433.545 χ^2/NDF: 23.6/19

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

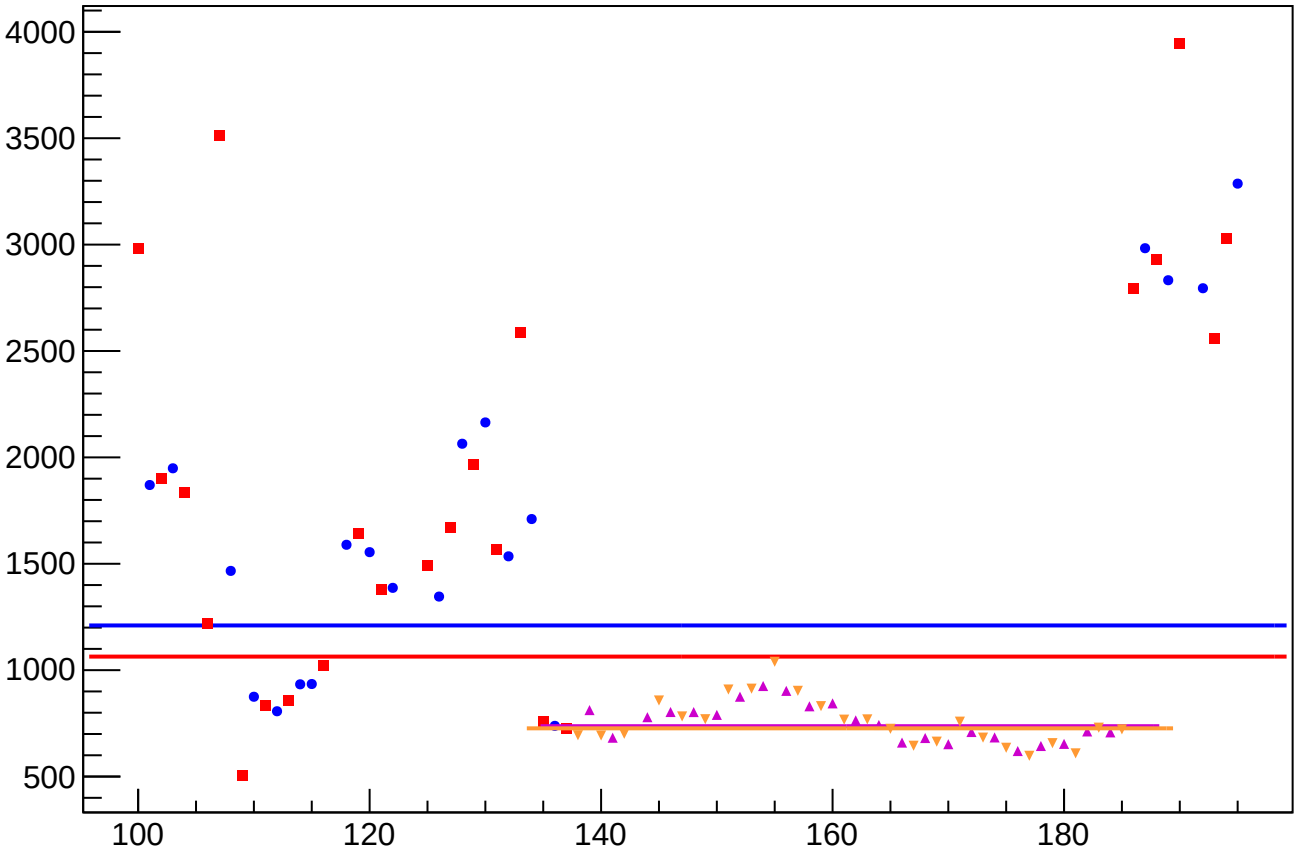
Right Out: -888.834+/-385.158 χ^2/NDF: 13.5/22

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -704.573+/-158.753 χ^2/NDF: 83.0/43

All: -522.670+/-112.039 χ^2/NDF: 125.6/89

- sign -342.165+/-158.142 χ^2/NDF: 40.0/45



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: 1063.768+/-0.272 χ^2/NDF: 5957524.1/22

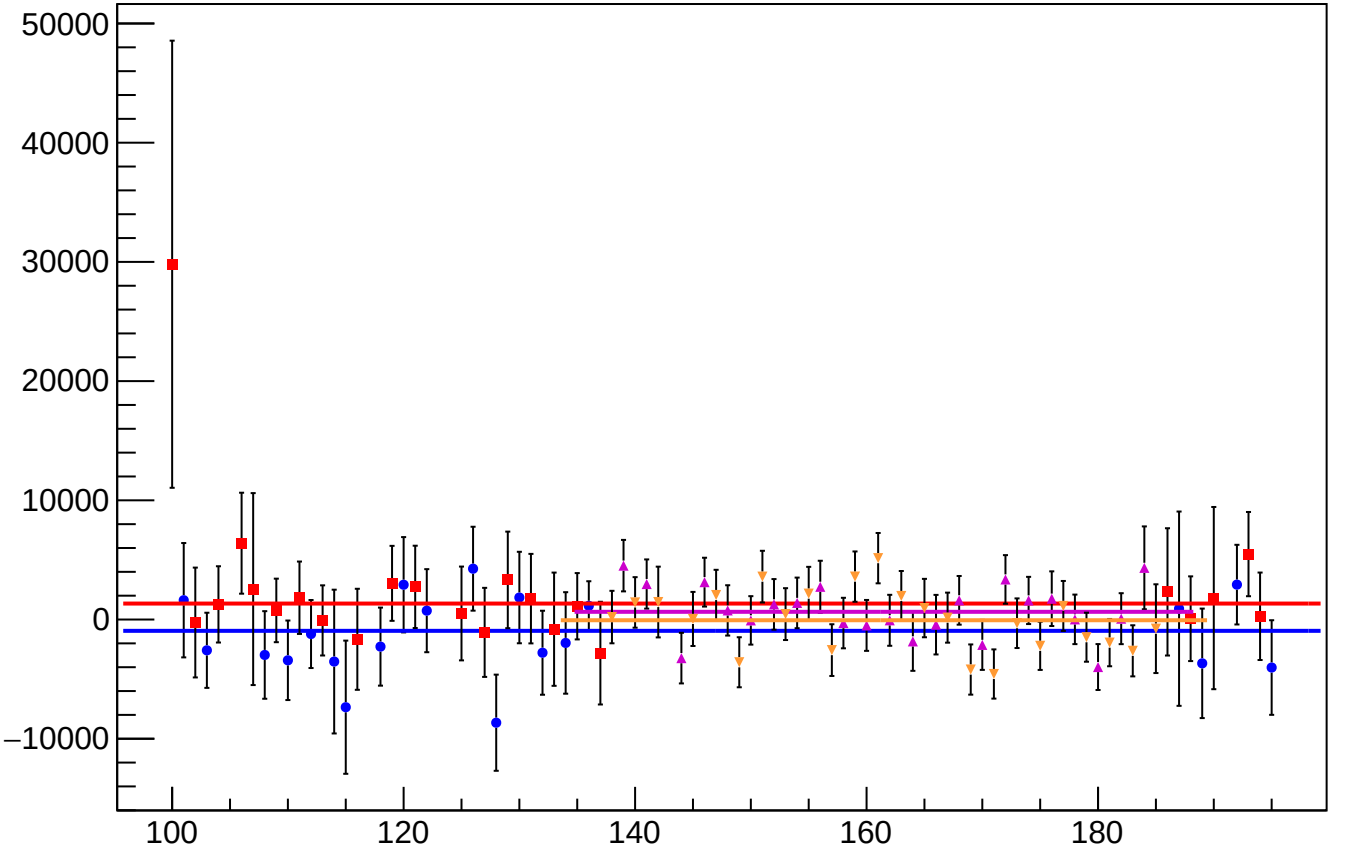
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 791.440+/-0.112 χ^2/NDF: 6707240.7/43

All: 791.643+/-0.079 χ^2/NDF: 14328832.9/89

- sign 791.846+/-0.112 χ^2/NDF: 7621585.6/45

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: 1339.445+/-789.177 χ^2/NDF: 8.6/22

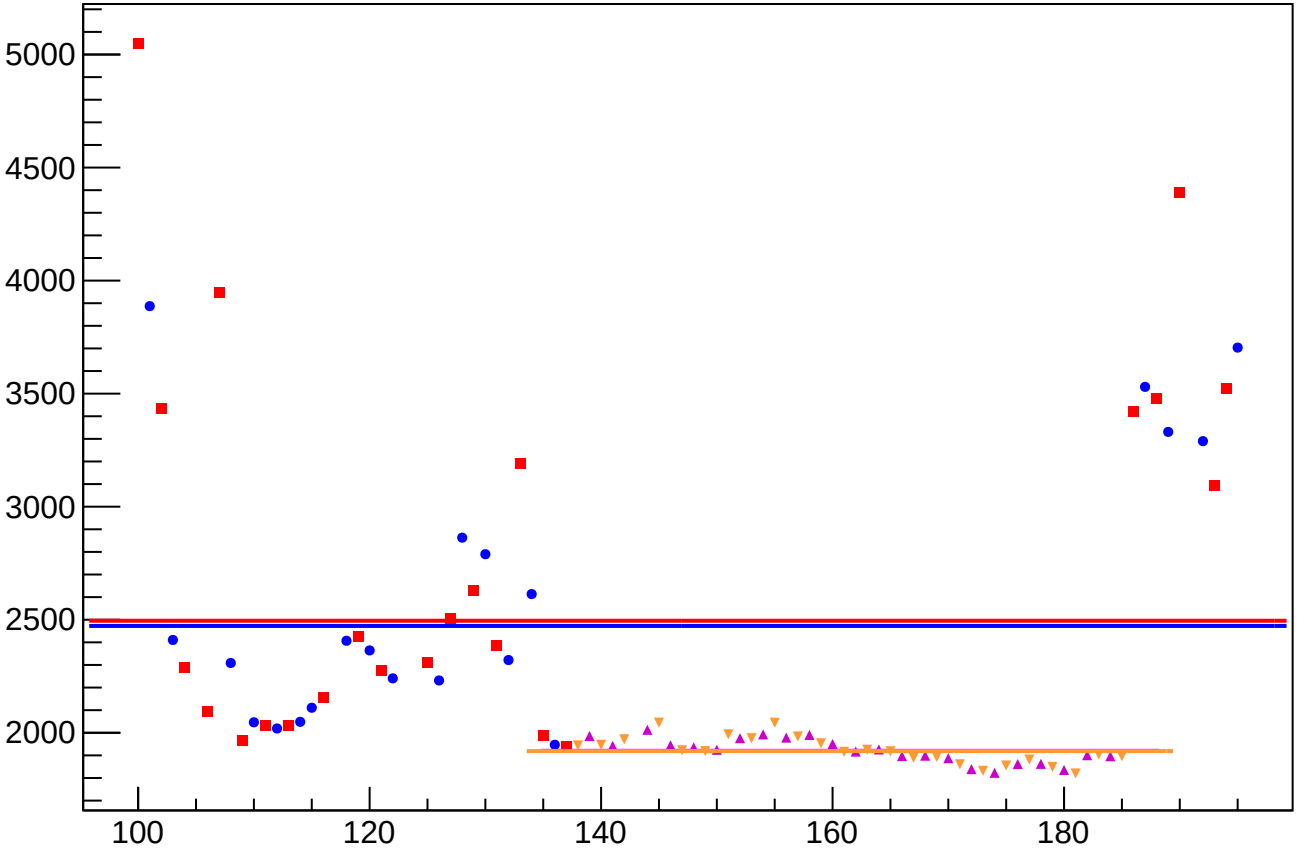
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -266.332+/-390.392 χ^2/NDF: 48.3/43

All: 275.442+/-275.894 χ^2/NDF: 85.0/89

- sign 816.001+/-389.954 χ^2/NDF: 32.9/45

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

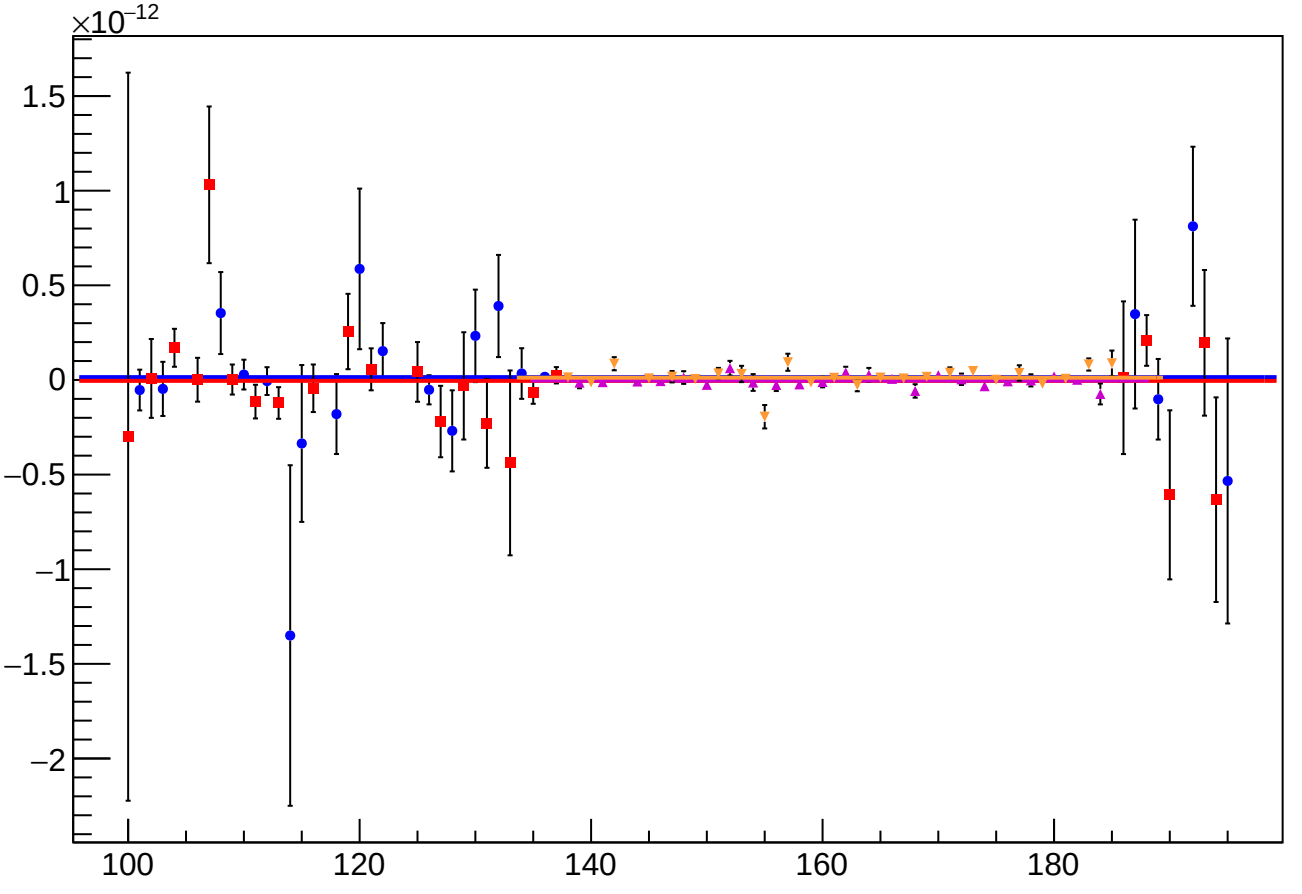
Right Out: 2495.563+/-0.558 χ^2/NDF: 1111518.5/22

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2047.659+/-0.276 χ^2/NDF: 1637699.0/43

All: 2054.184+/-0.195 χ^2/NDF: 3583728.7/89

- sign 2060.695+/-0.276 χ^2/NDF: 1944913.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

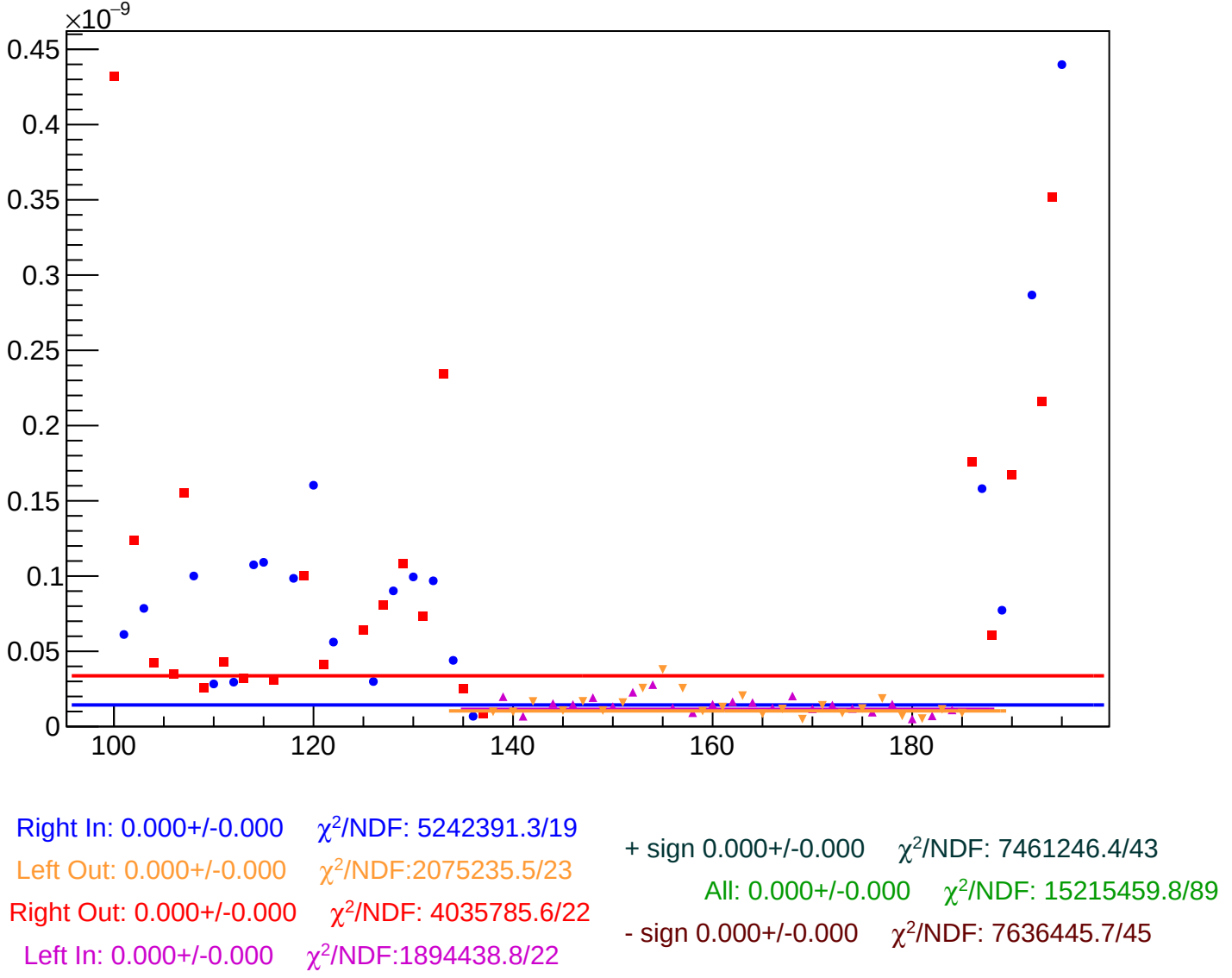
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/22

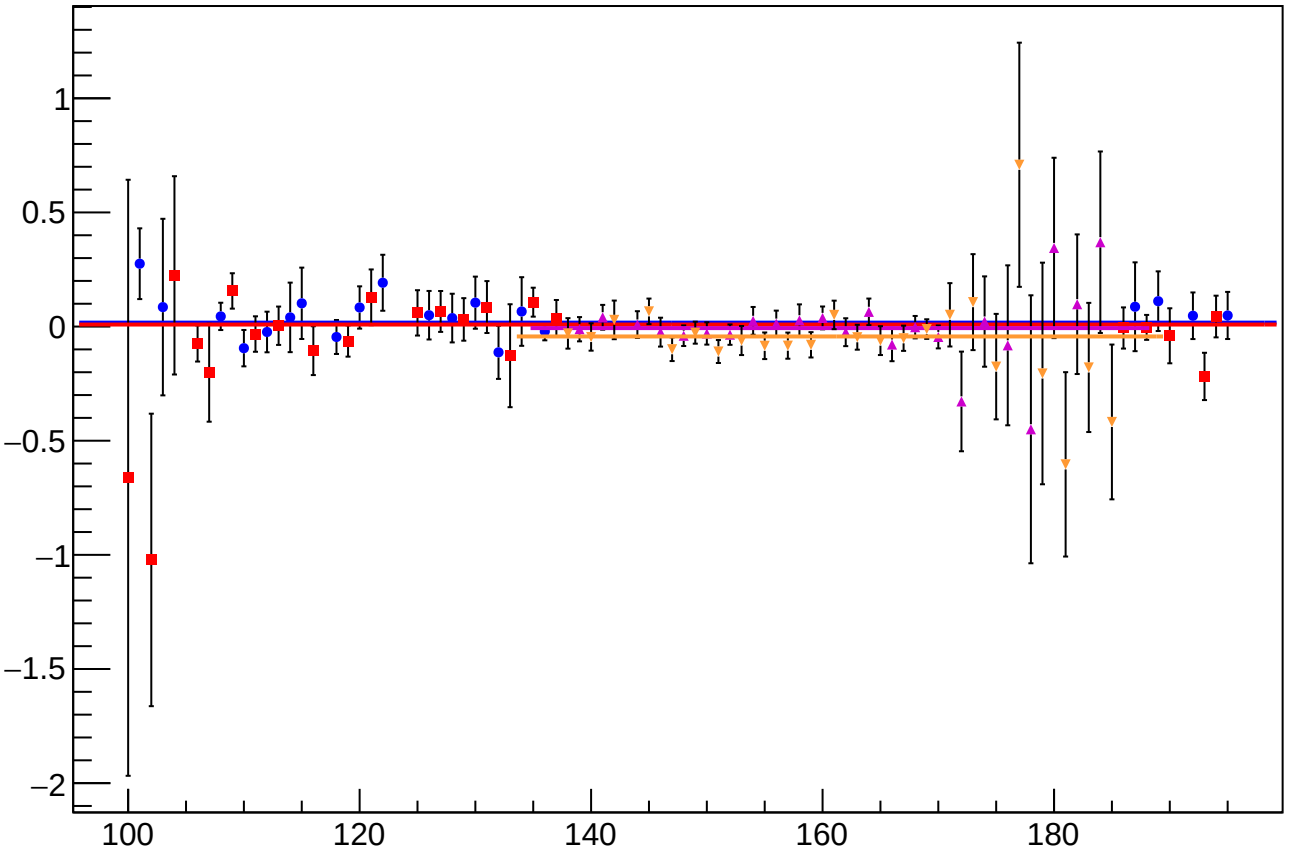
Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/43

All: 0.000+/-0.000 χ^2/NDF: 108.4/89

- sign -0.000+/-0.000 χ^2/NDF: 45.1/45


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5242391.3/19
Left Out: 0.000+/-0.000 χ²/NDF:2075235.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 4035785.6/22
Left In: 0.000+/-0.000 χ²/NDF:1894438.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7461246.4/43
All: 0.000+/-0.000 χ²/NDF: 15215459.8/89
- sign 0.000+/-0.000 χ²/NDF: 7636445.7/45



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+/-0.020 χ^2/NDF: 21.5/22

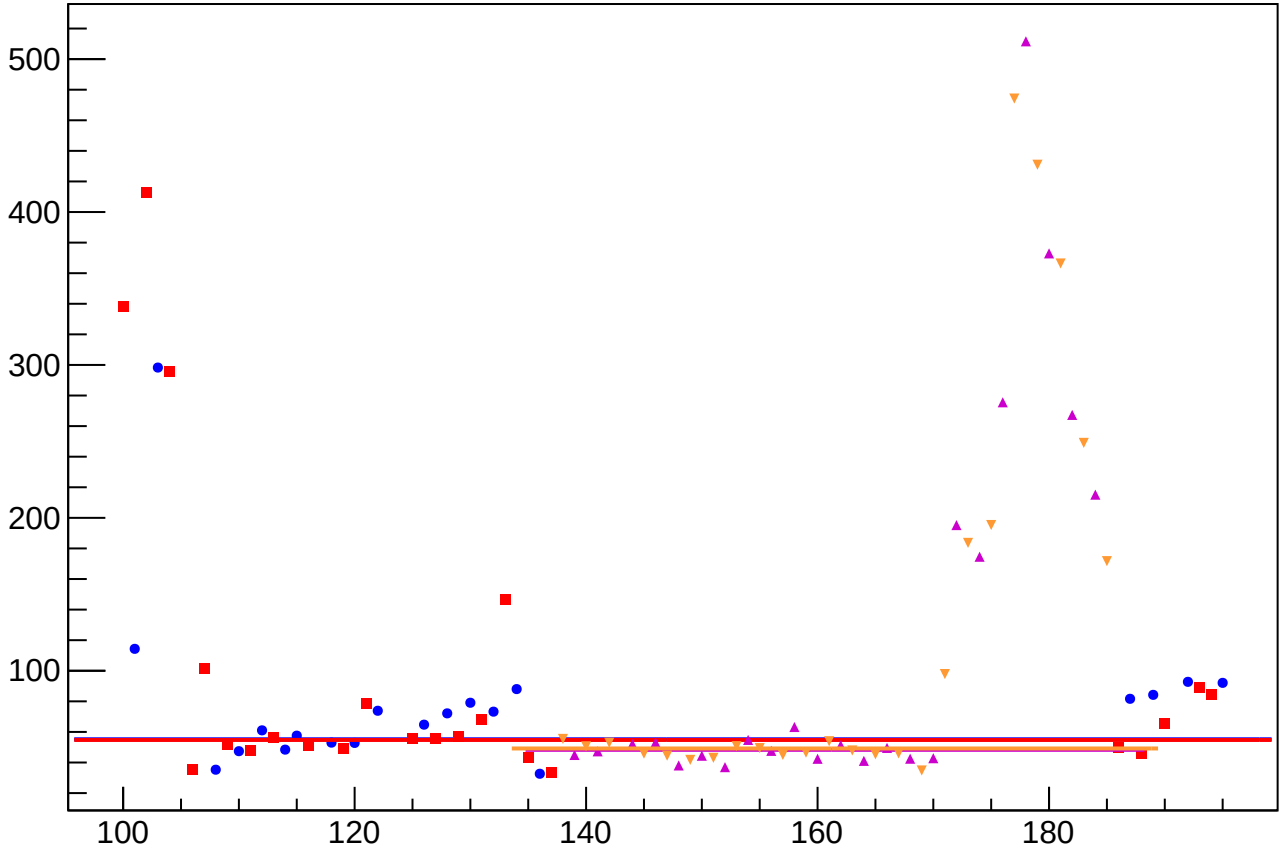
Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.013+/-0.008 χ^2/NDF: 72.7/89

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

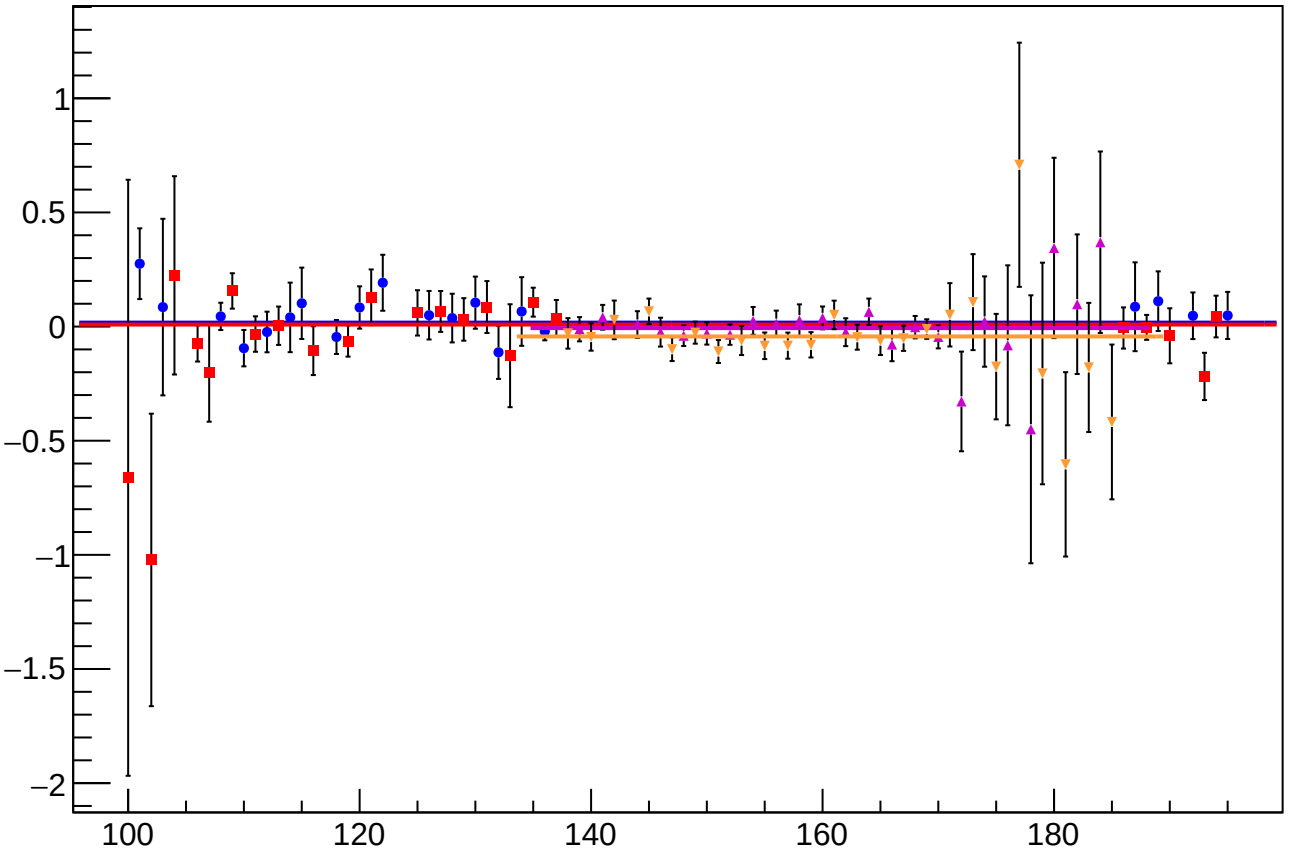
Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 51.062+/-0.008 χ^2/NDF: 10382049.0/43

All: 50.716+/-0.006 χ^2/NDF: 20309453.1/89

\- sign 50.394+/-0.008 χ^2/NDF: 9923920.0/45



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

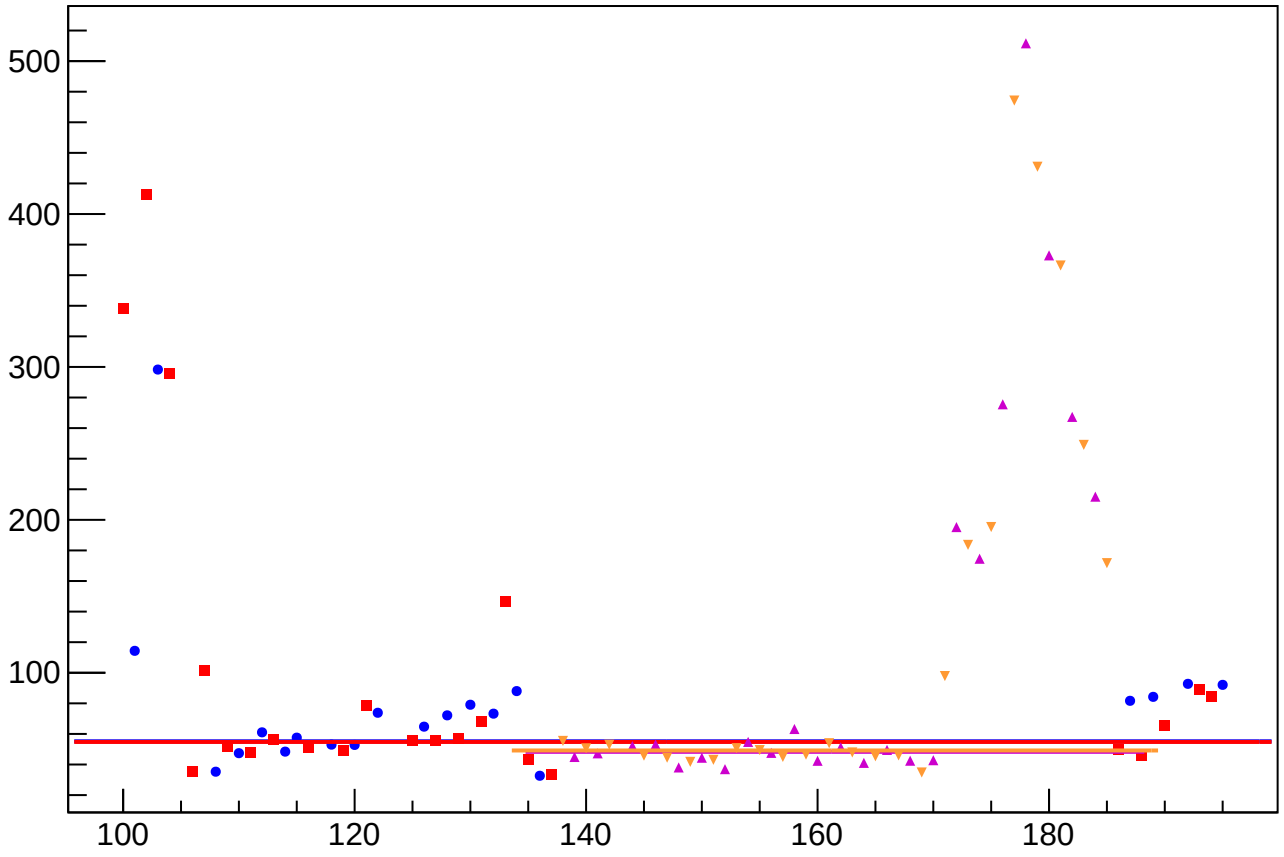
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.013+/-0.008 χ^2/NDF: 72.7/89

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

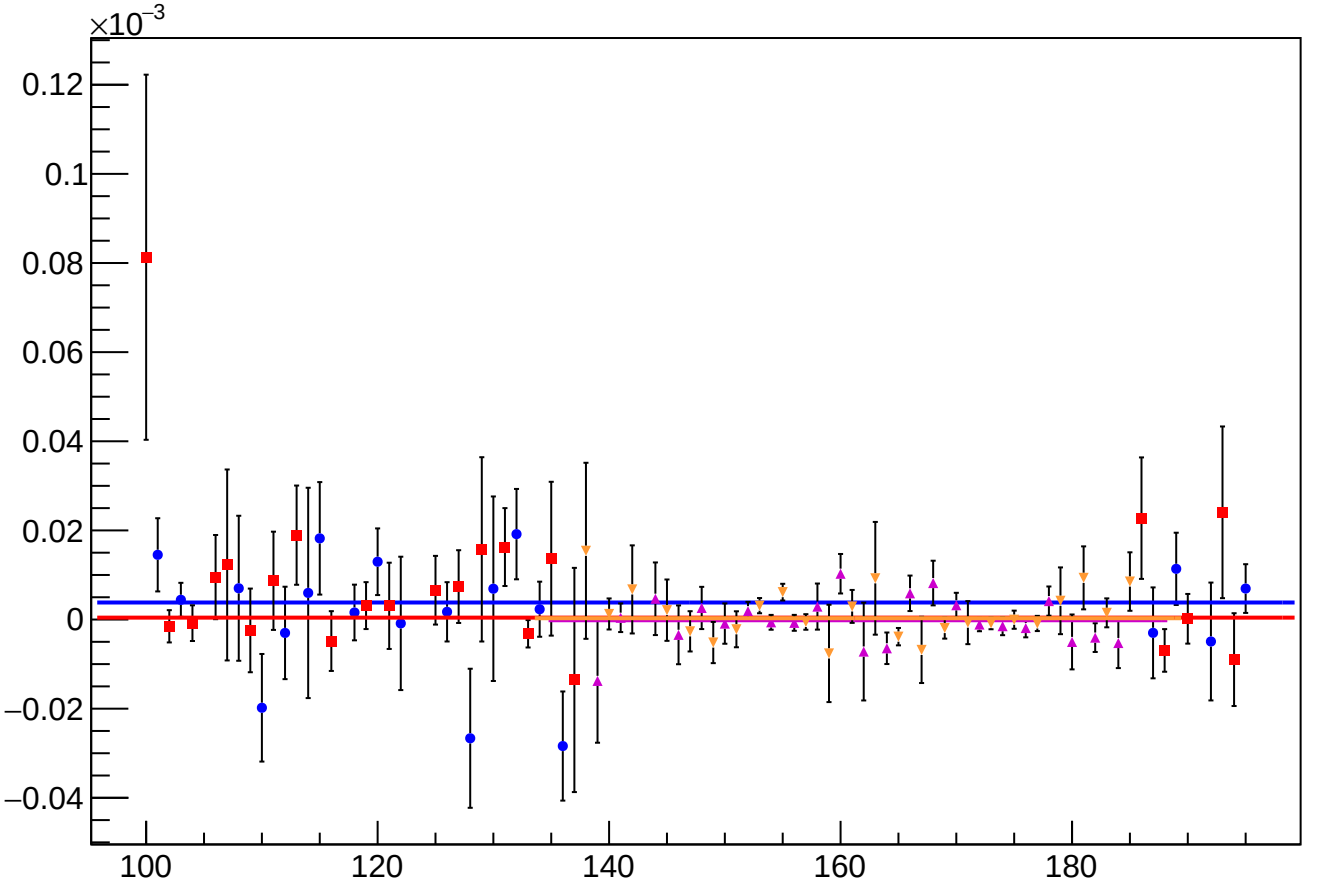
Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 51.062+/-0.008 χ^2/NDF: 10382049.0/43

All: 50.716+/-0.006 χ^2/NDF: 20309453.1/89

\- sign 50.394+/-0.008 χ^2/NDF: 9923920.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

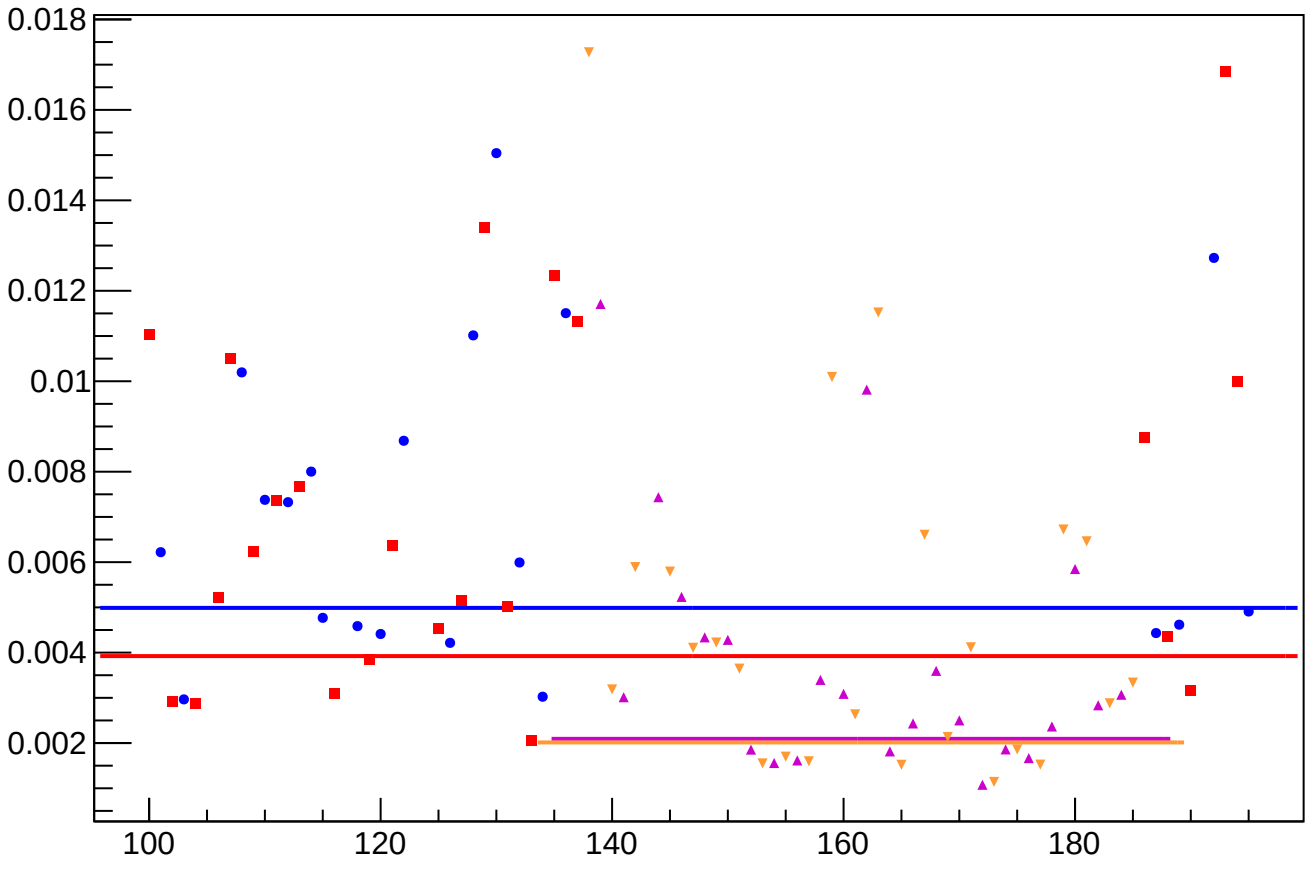
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/22

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: 107.4/89

- sign -0.000+/-0.000 χ^2/NDF: 50.2/45



Right In: 0.005+/-0.000 χ^2/NDF: 3448721.5/19

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

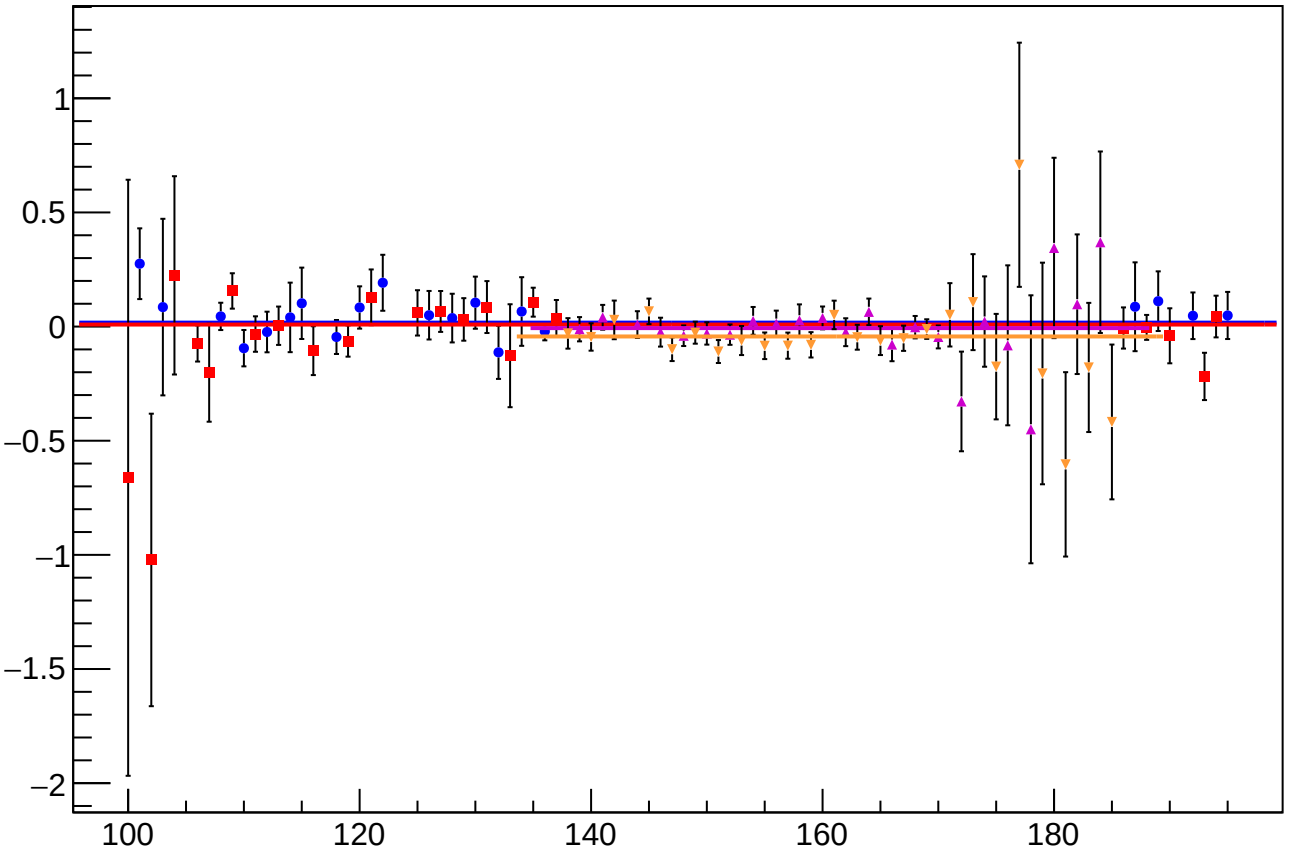
Right Out: 0.004+/-0.000 χ^2/NDF: 5054781.7/22

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: 33549434.5/89

- sign 0.002+/-0.000 χ^2/NDF: 15025990.0/45



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

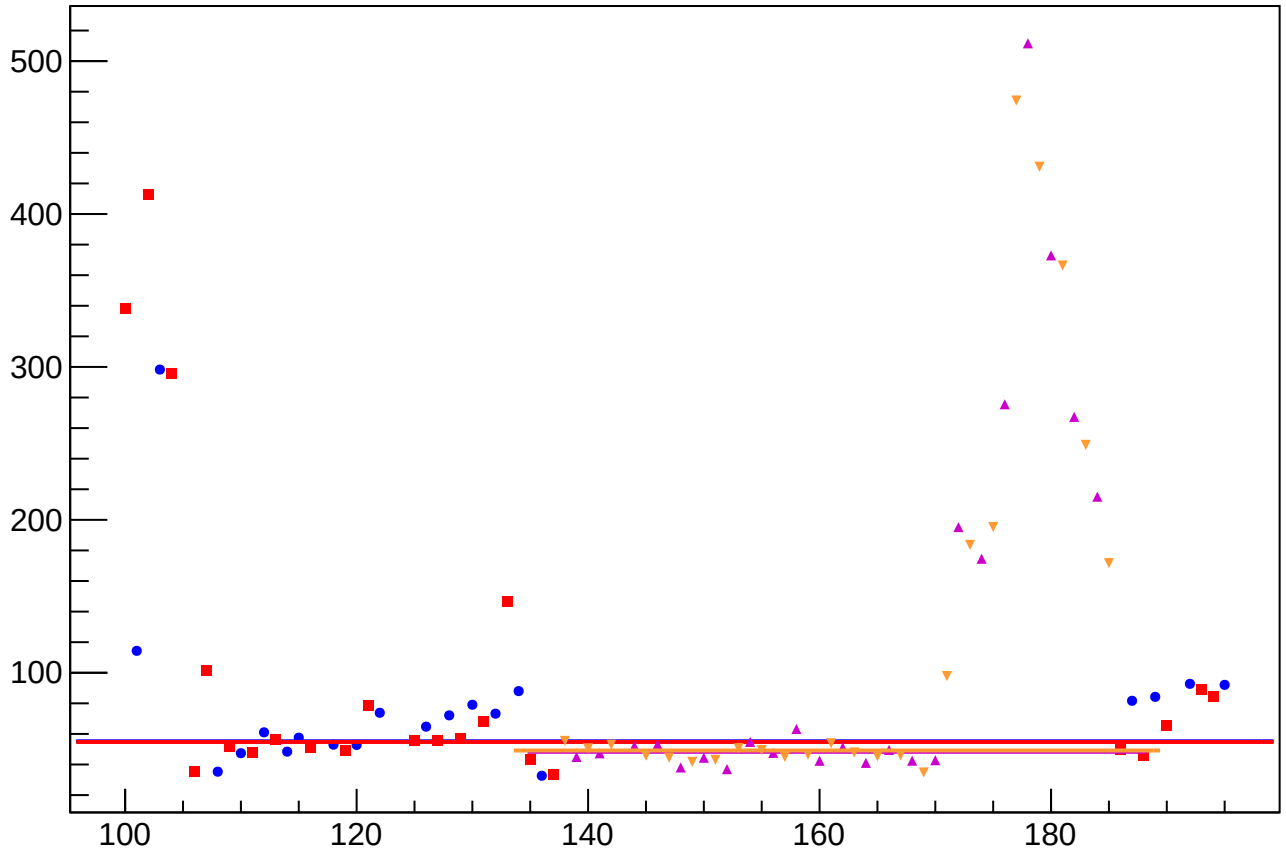
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.013+/-0.008 χ^2/NDF: 72.7/89

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

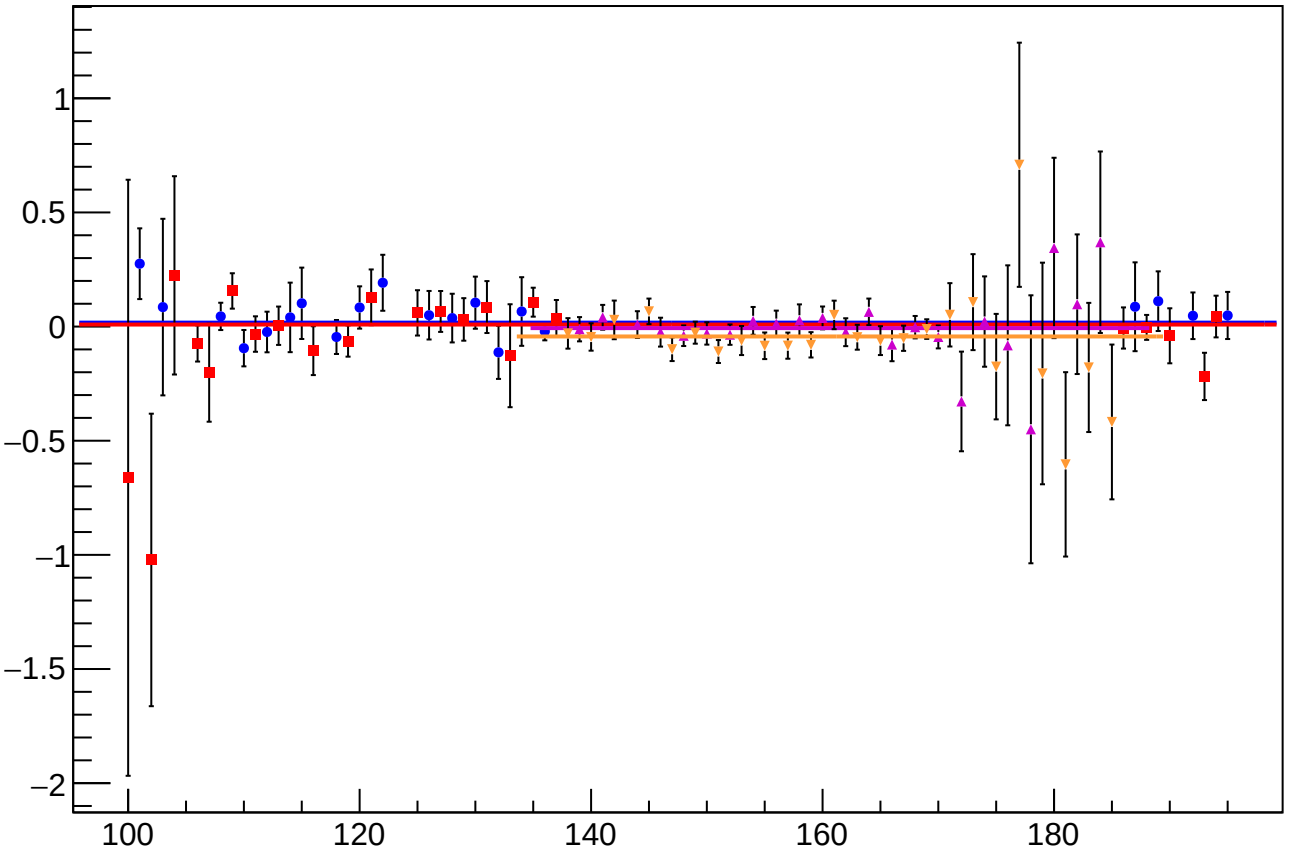
Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.062+/-0.008 χ^2/NDF: 10381920.7/43

All: 50.716+/-0.006 χ^2/NDF: 20309077.6/89

- sign 50.394+/-0.008 χ^2/NDF: 9923678.3/45



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

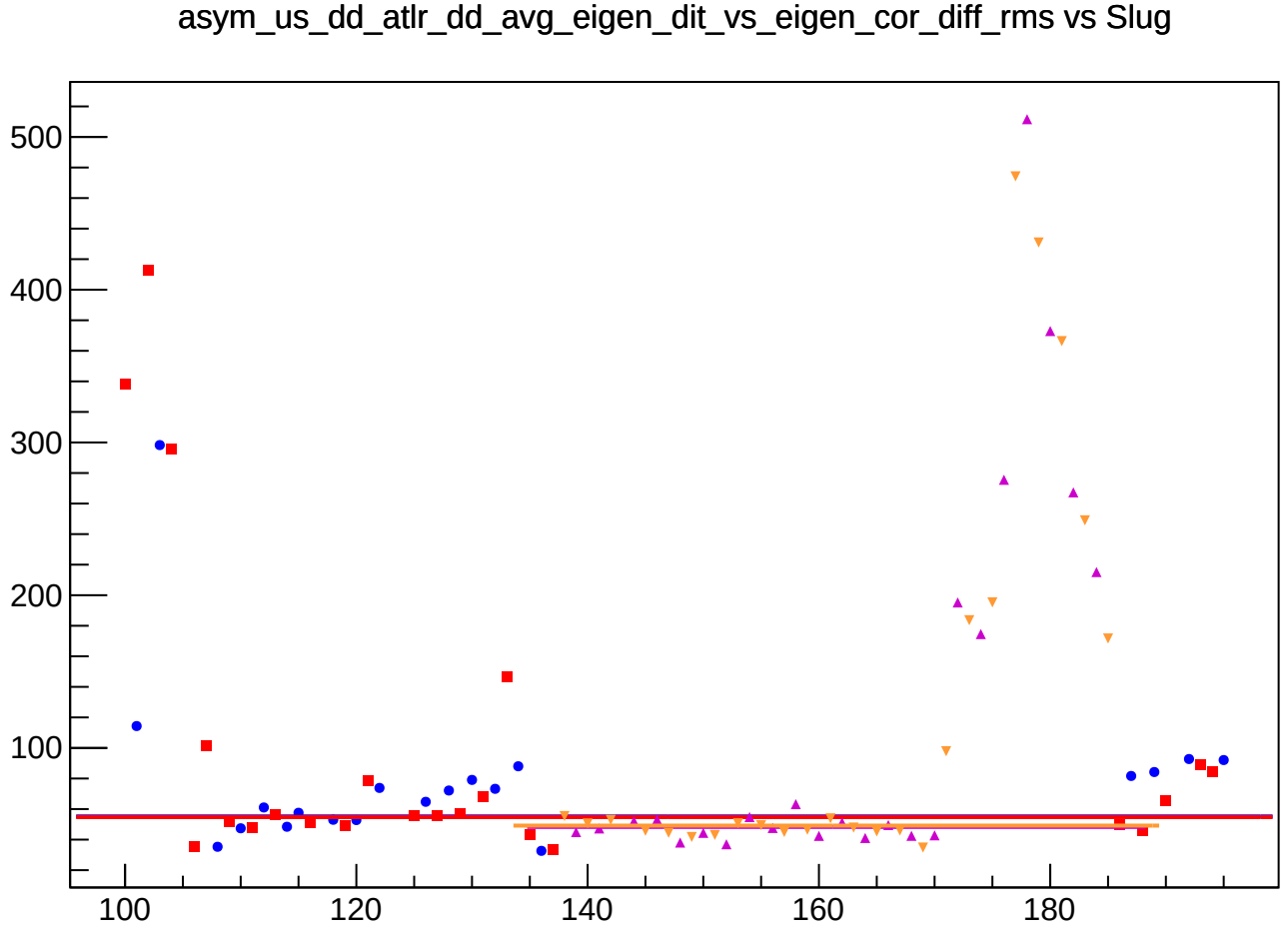
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.012 χ^2/NDF: 37.5/43

All: -0.013+/-0.008 χ^2/NDF: 72.7/89

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

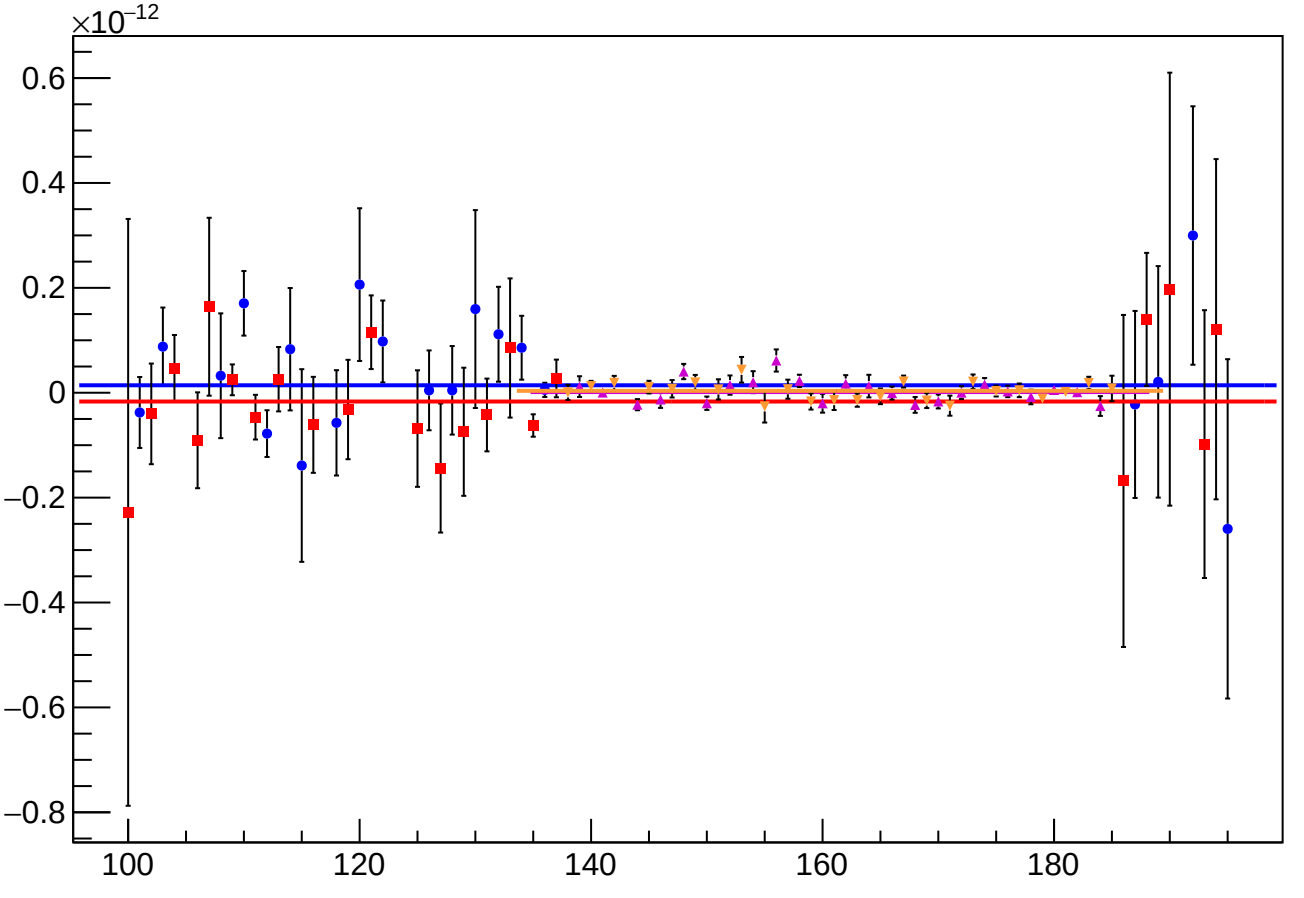
Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 51.062+/-0.008 χ^2/NDF: 10381920.7/43

All: 50.716+/-0.006 χ^2/NDF: 20309077.6/89

\- sign 50.394+/-0.008 χ^2/NDF: 9923678.3/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

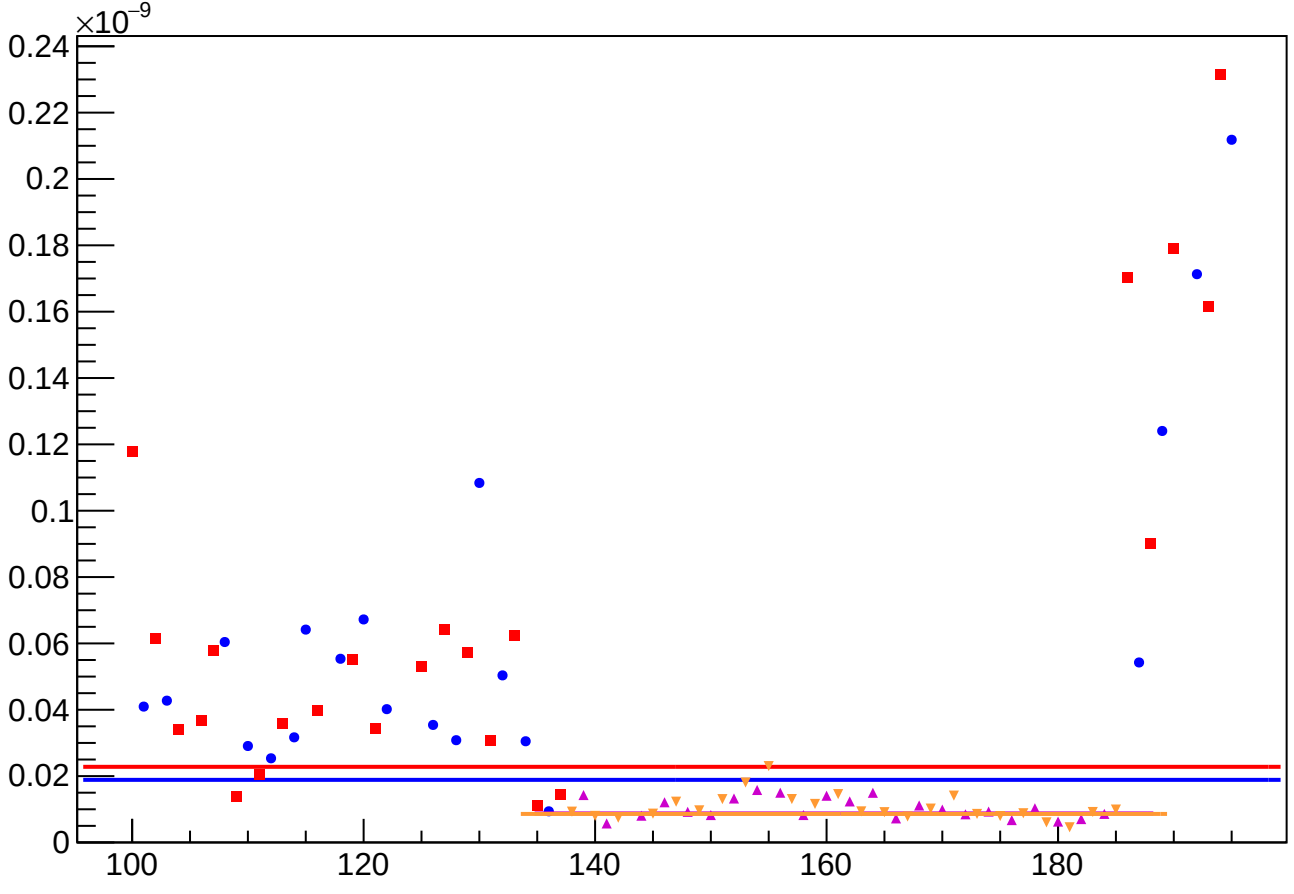
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/22

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: 111.3/89

- sign 0.000+/-0.000 χ^2/NDF: 62.4/45



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: 5358475.2/22

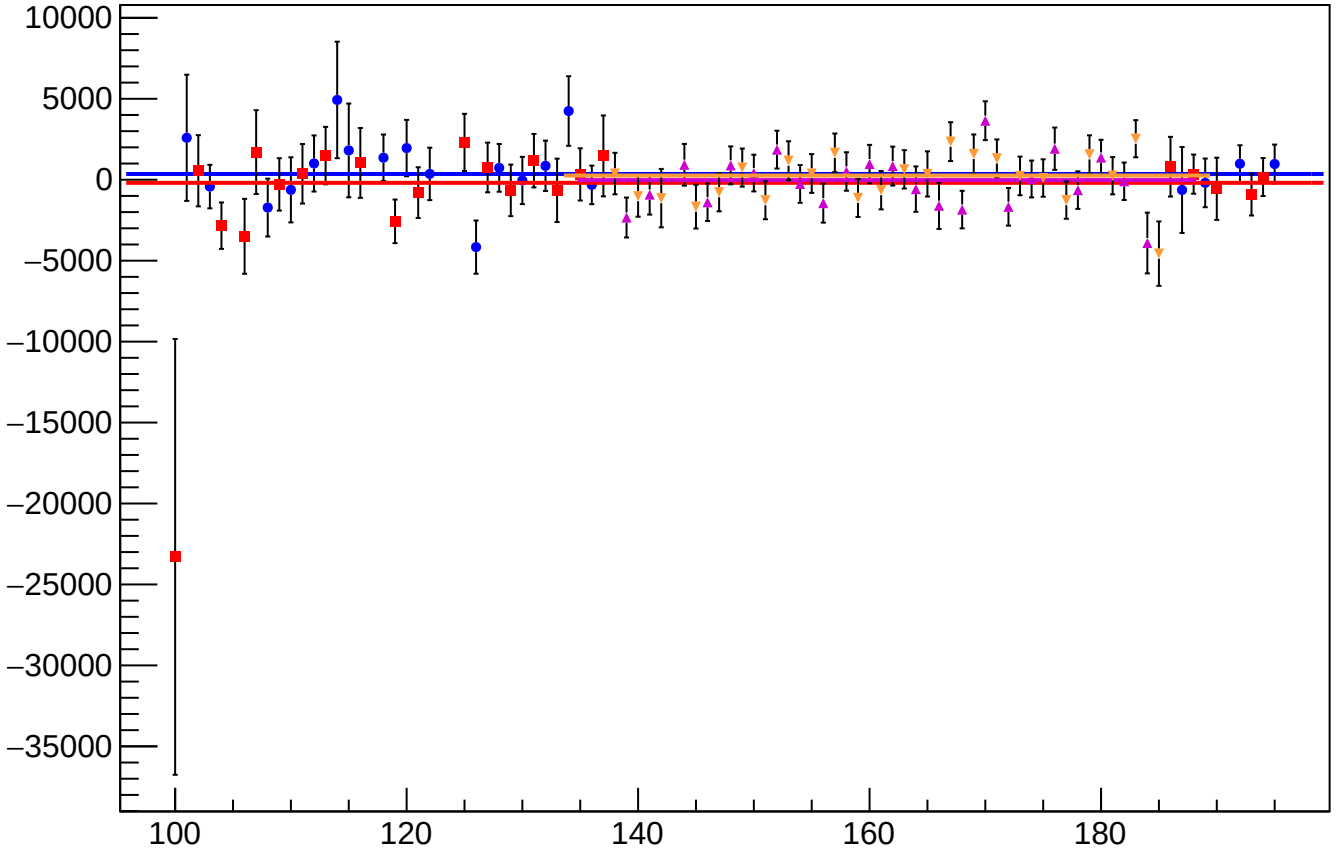
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9496368.1/43

All: 0.000+/-0.000 χ^2/NDF: 19252687.0/89

- sign 0.000+/-0.000 χ^2/NDF: 9747257.7/45

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: -190.146+/-351.213 χ^2/NDF: 18.4/22

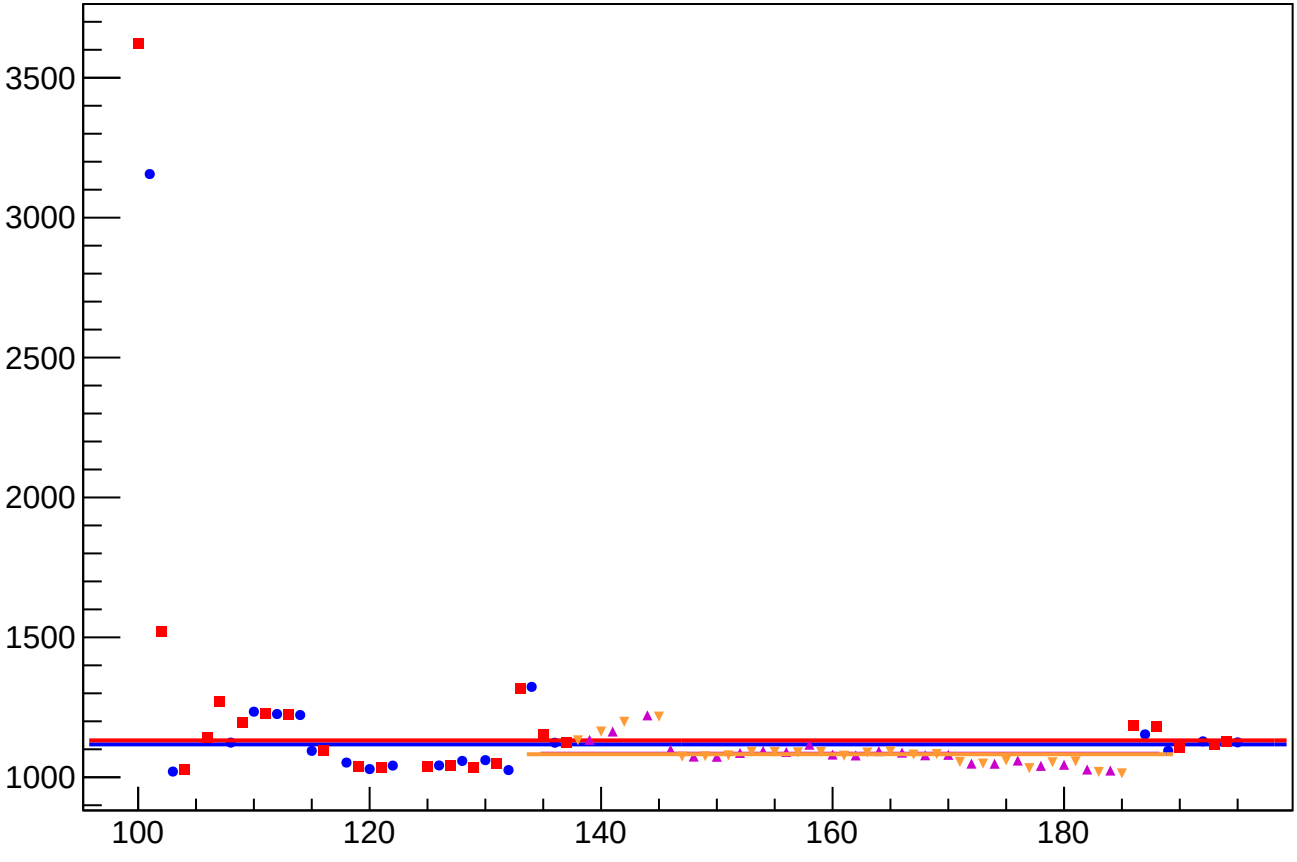
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 291.358+/-206.686 χ^2/NDF: 46.1/43

All: 104.682+/-145.714 χ^2/NDF: 102.0/89

- sign -79.786+/-205.460 χ^2/NDF: 54.3/45

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

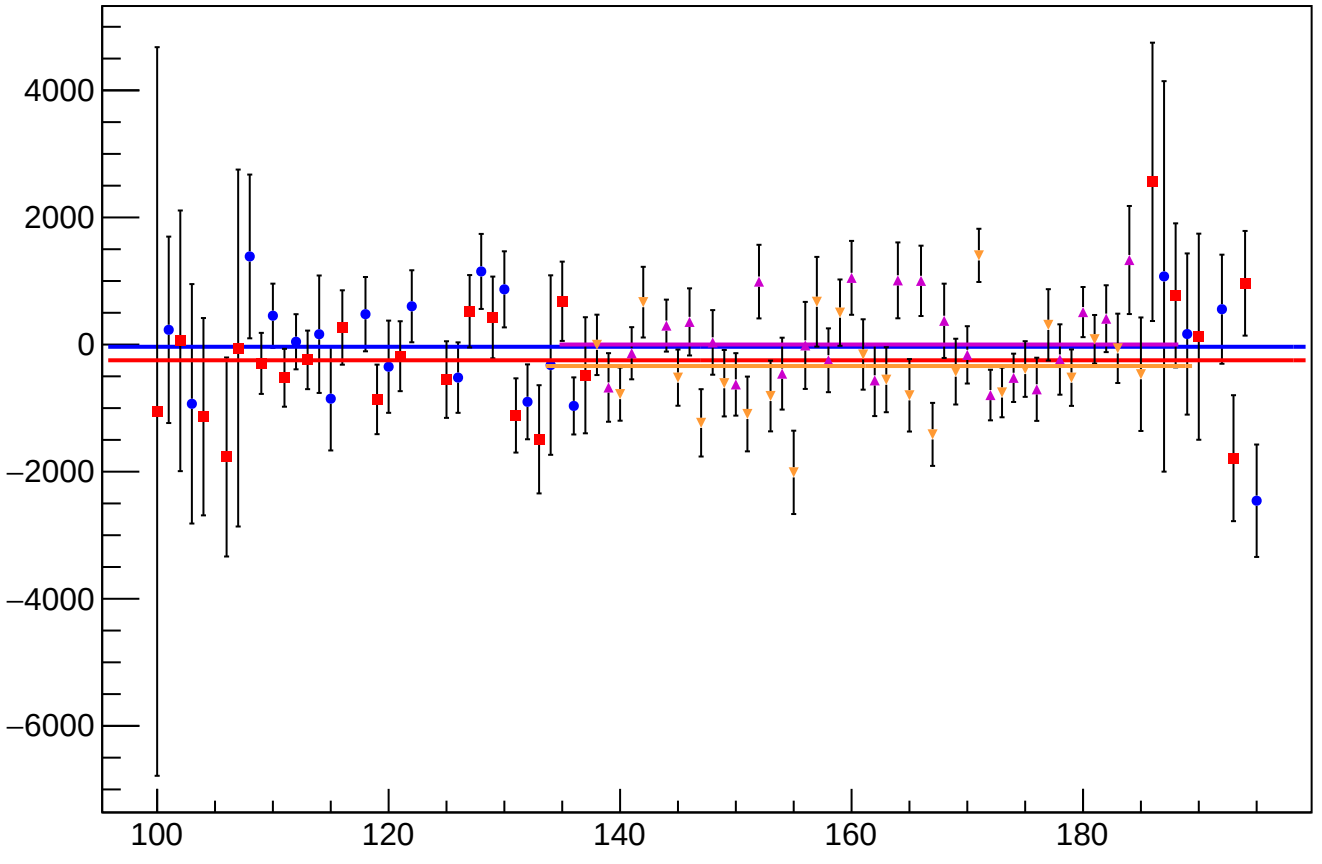
Right Out: 1131.805+/-0.248 χ^2/NDF: 228346.3/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.732+/-0.146 χ^2/NDF: 695105.7/43

All: 1097.121+/-0.103 χ^2/NDF: 1002163.9/89

- sign 1100.469+/-0.145 χ^2/NDF: 305989.3/45



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: -247.499+/-149.317 χ^2/NDF: 20.7/22

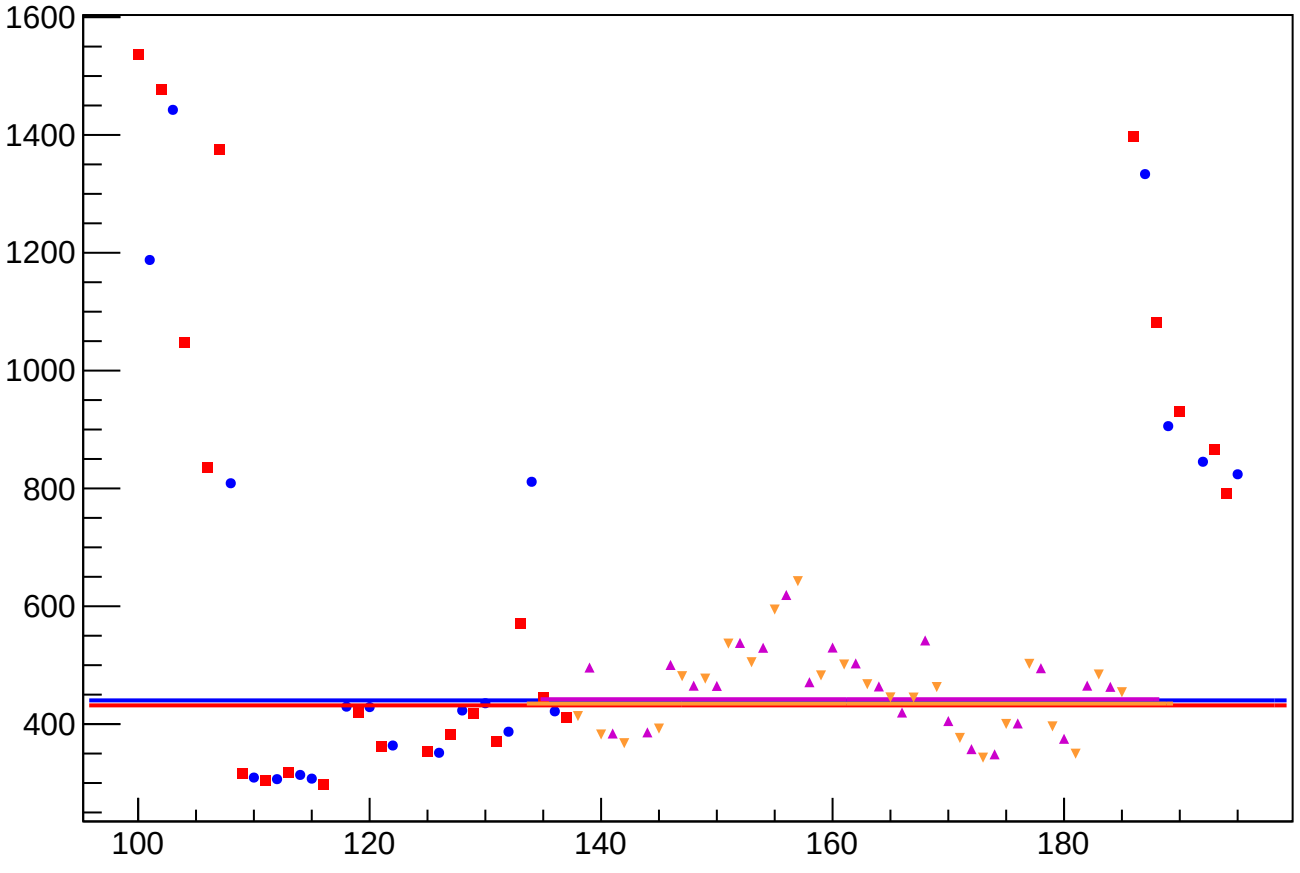
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -245.139+/-85.491 χ^2/NDF: 78.9/43

All: -163.434+/-60.540 χ^2/NDF: 135.1/89

- sign -81.247+/-85.743 χ^2/NDF: 54.4/45

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



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: 431.758+/-0.106 χ^2/NDF: 3931334.2/22

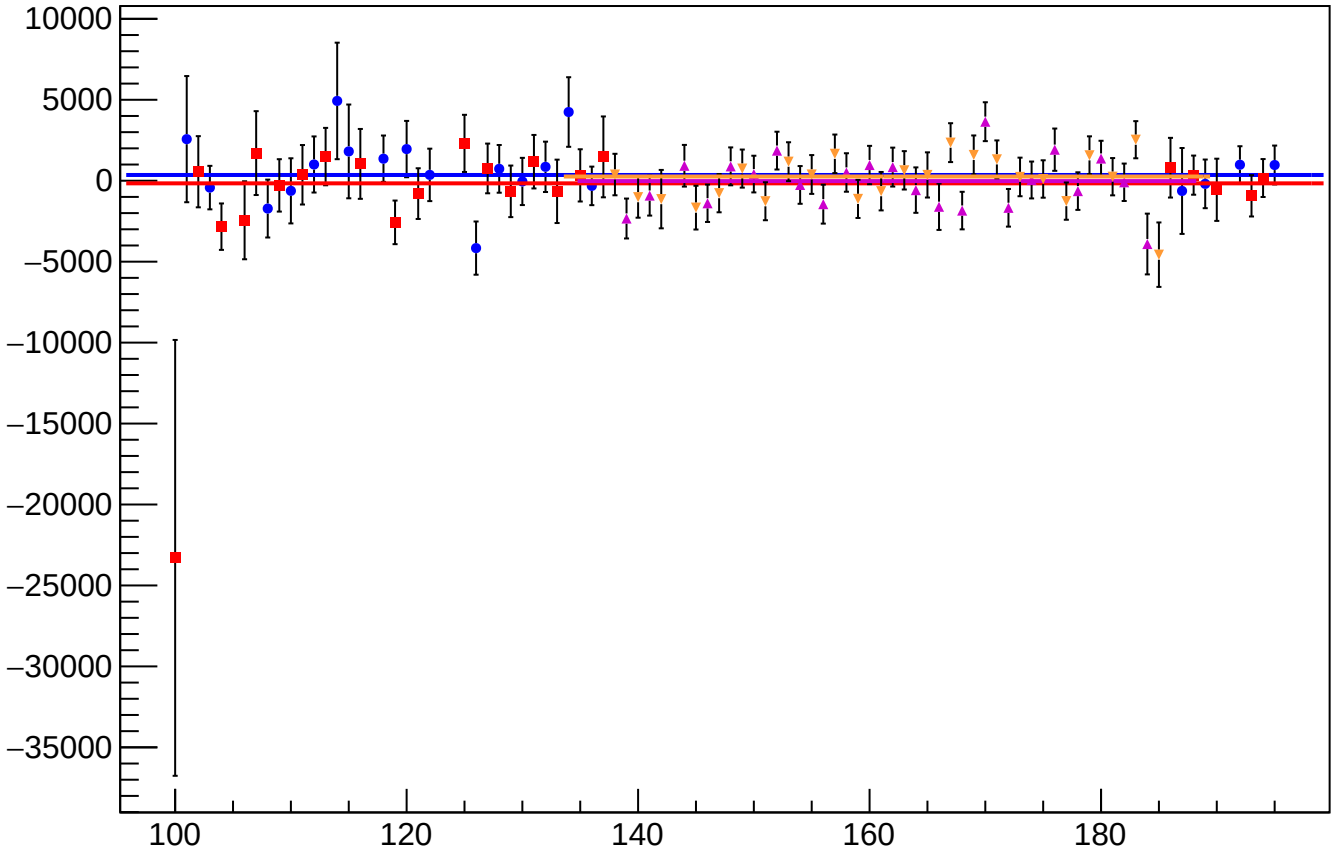
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 436.502+/-0.060 χ^2/NDF: 4054820.3/43

All: 437.629+/-0.043 χ^2/NDF: 8819390.5/89

- sign 438.762+/-0.061 χ^2/NDF: 4763872.9/45

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: -161.871+/-351.526 χ^2/NDF: 17.2/22

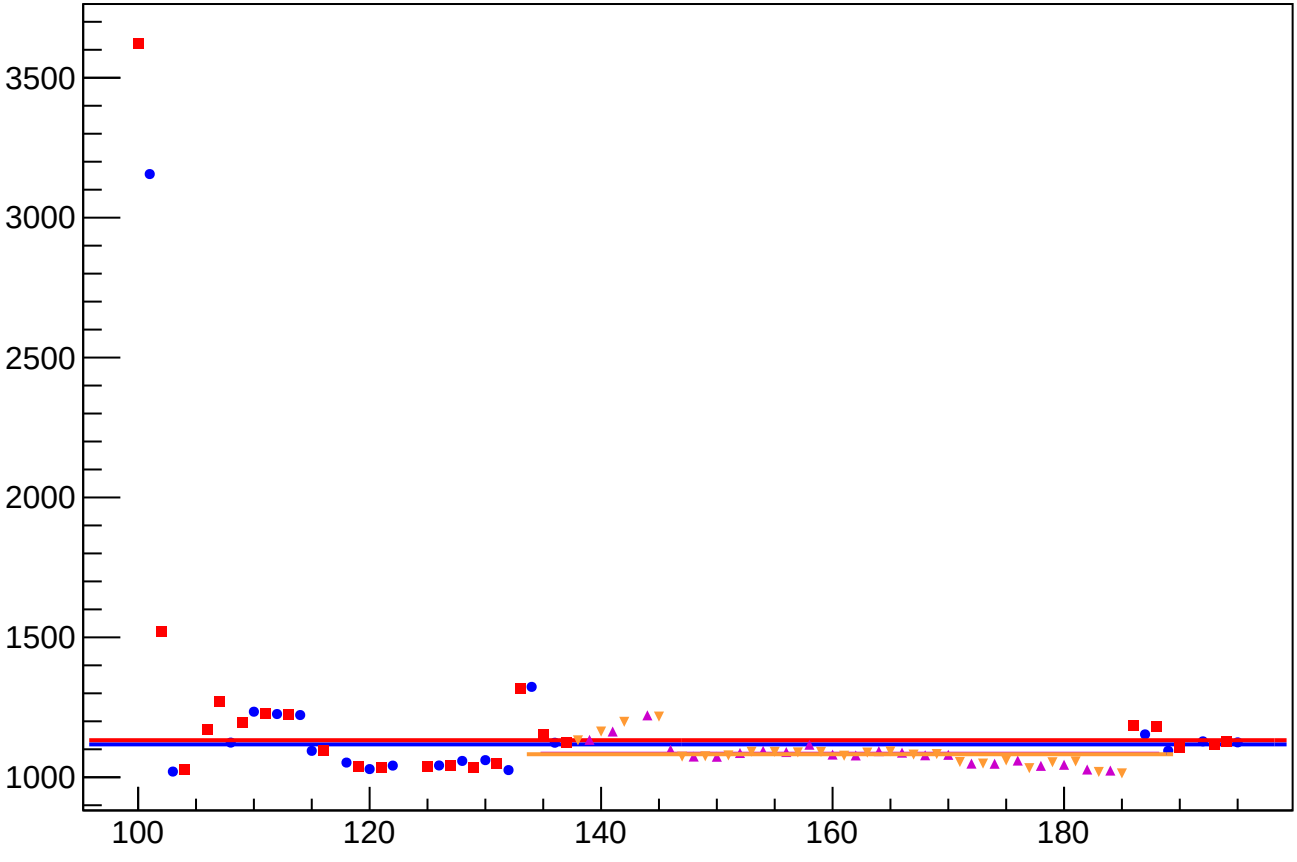
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 291.279+/-206.686 χ^2/NDF: 46.1/43

All: 109.595+/-145.736 χ^2/NDF: 100.7/89

- sign -70.050+/-205.523 χ^2/NDF: 53.1/45

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

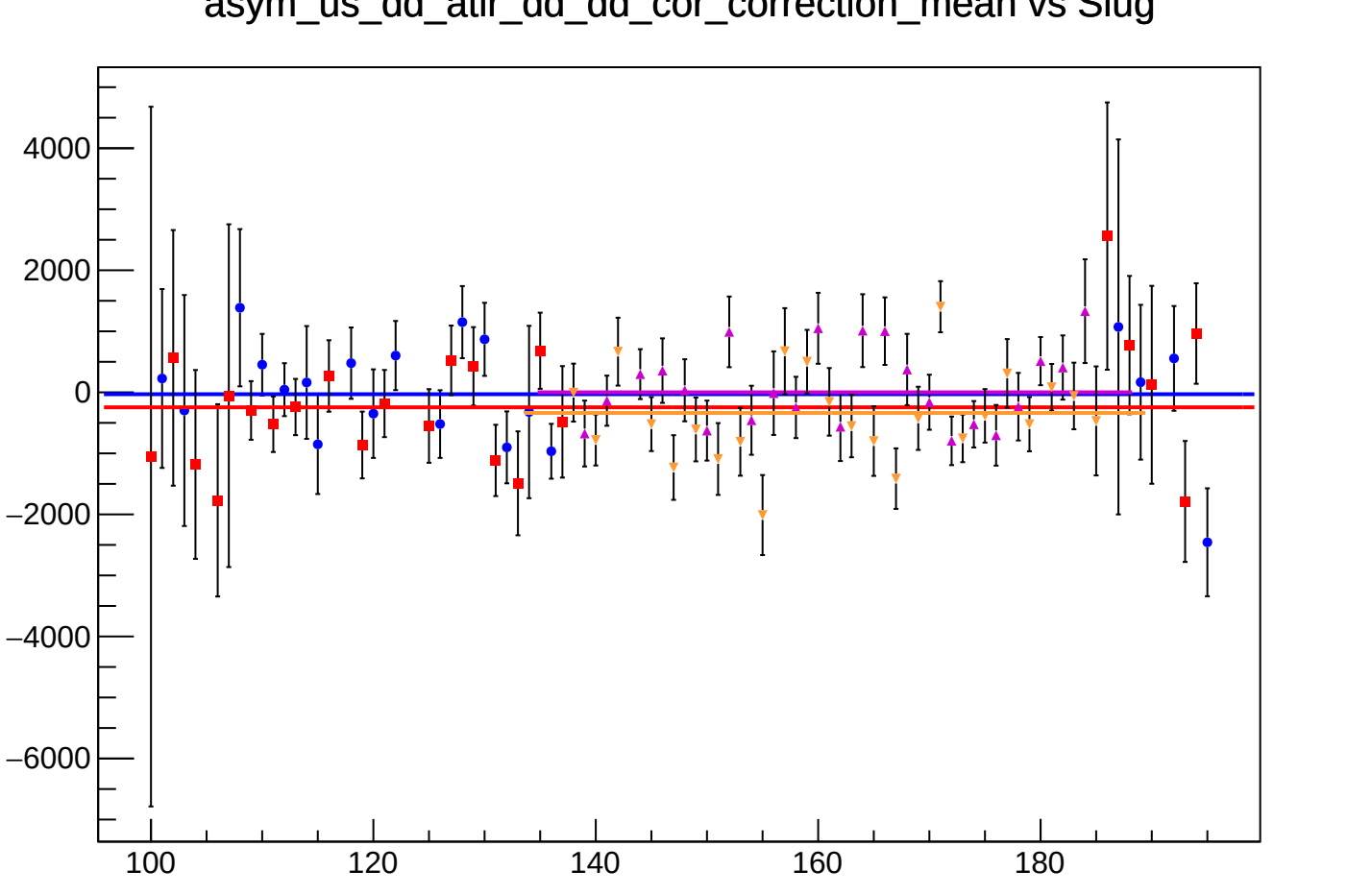
Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.732+/-0.146 χ^2/NDF: 695106.6/43

All: 1097.222+/-0.103 χ^2/NDF: 1003384.5/89

- sign 1100.673+/-0.145 χ^2/NDF: 307143.6/45



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

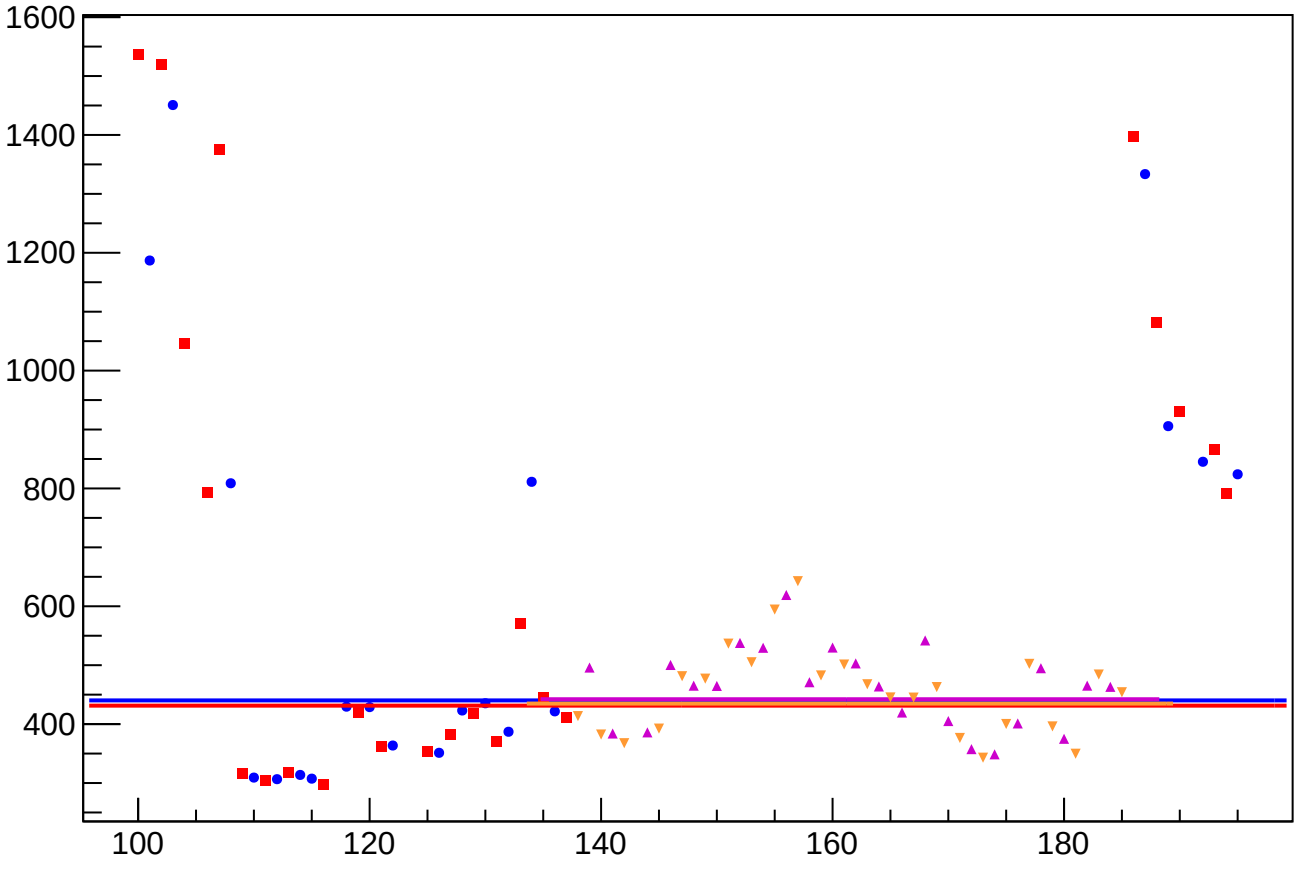
Right Out: -245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -243.945+/-85.491 χ^2/NDF: 78.7/43

All: -162.474+/-60.542 χ^2/NDF: 135.1/89

- sign -80.514+/-85.747 χ^2/NDF: 54.5/45



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: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

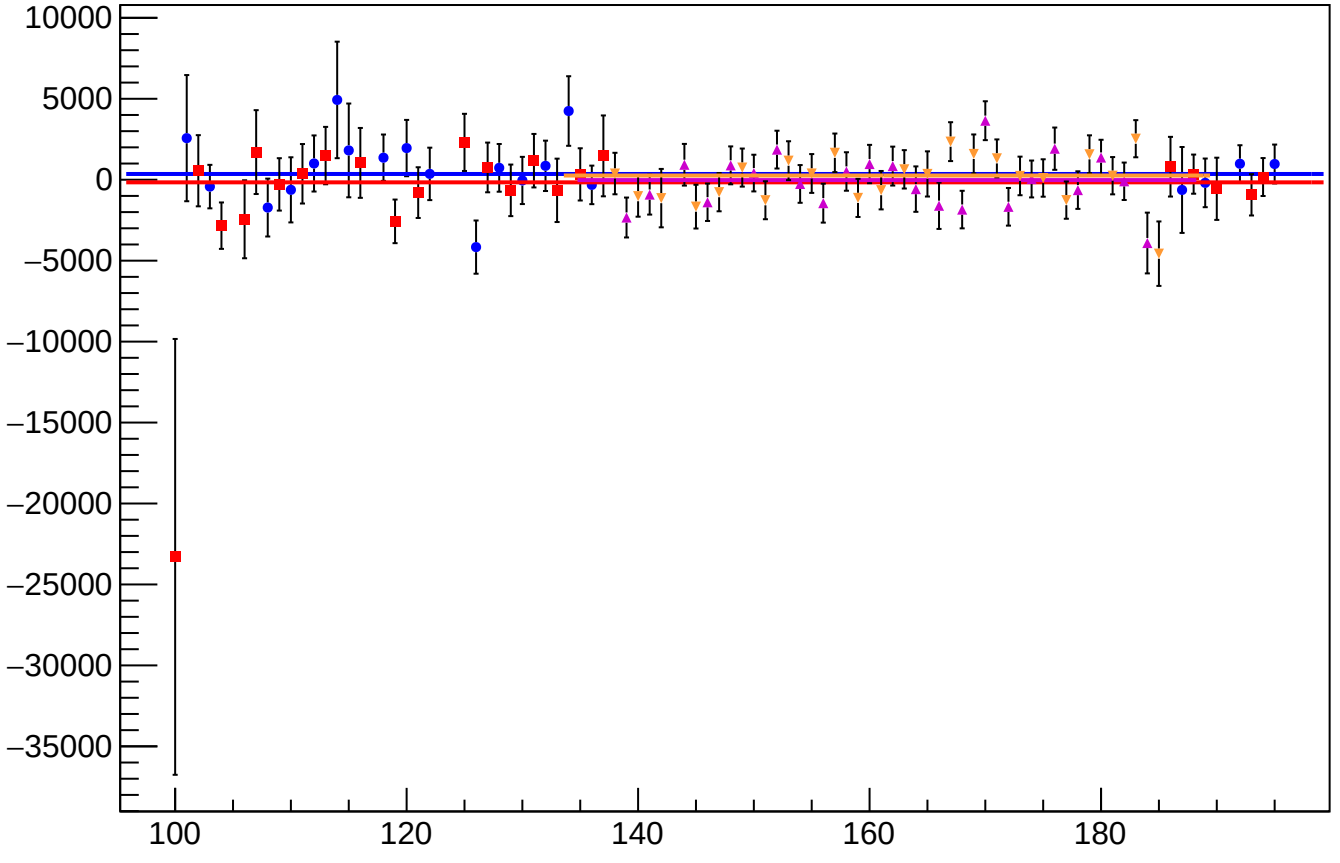
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 436.497+/-0.060 χ^2/NDF: 4058649.7/43

All: 437.559+/-0.043 χ^2/NDF: 8815016.7/89

- sign 438.628+/-0.061 χ^2/NDF: 4755747.4/45

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: -161.871+/-351.526 χ^2/NDF: 17.2/22

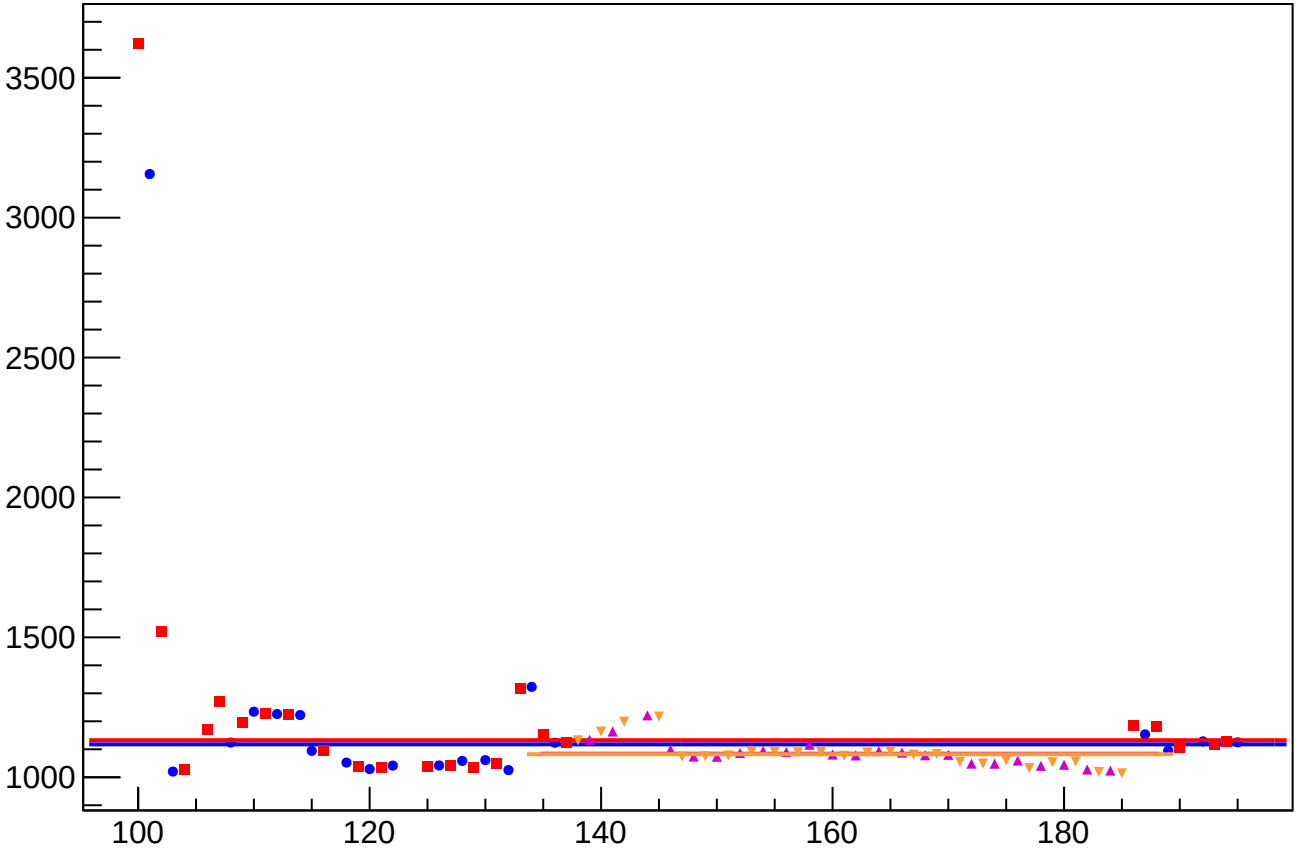
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 291.279+/-206.686 χ^2/NDF: 46.1/43

All: 109.595+/-145.736 χ^2/NDF: 100.7/89

- sign -70.050+/-205.523 χ^2/NDF: 53.1/45

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

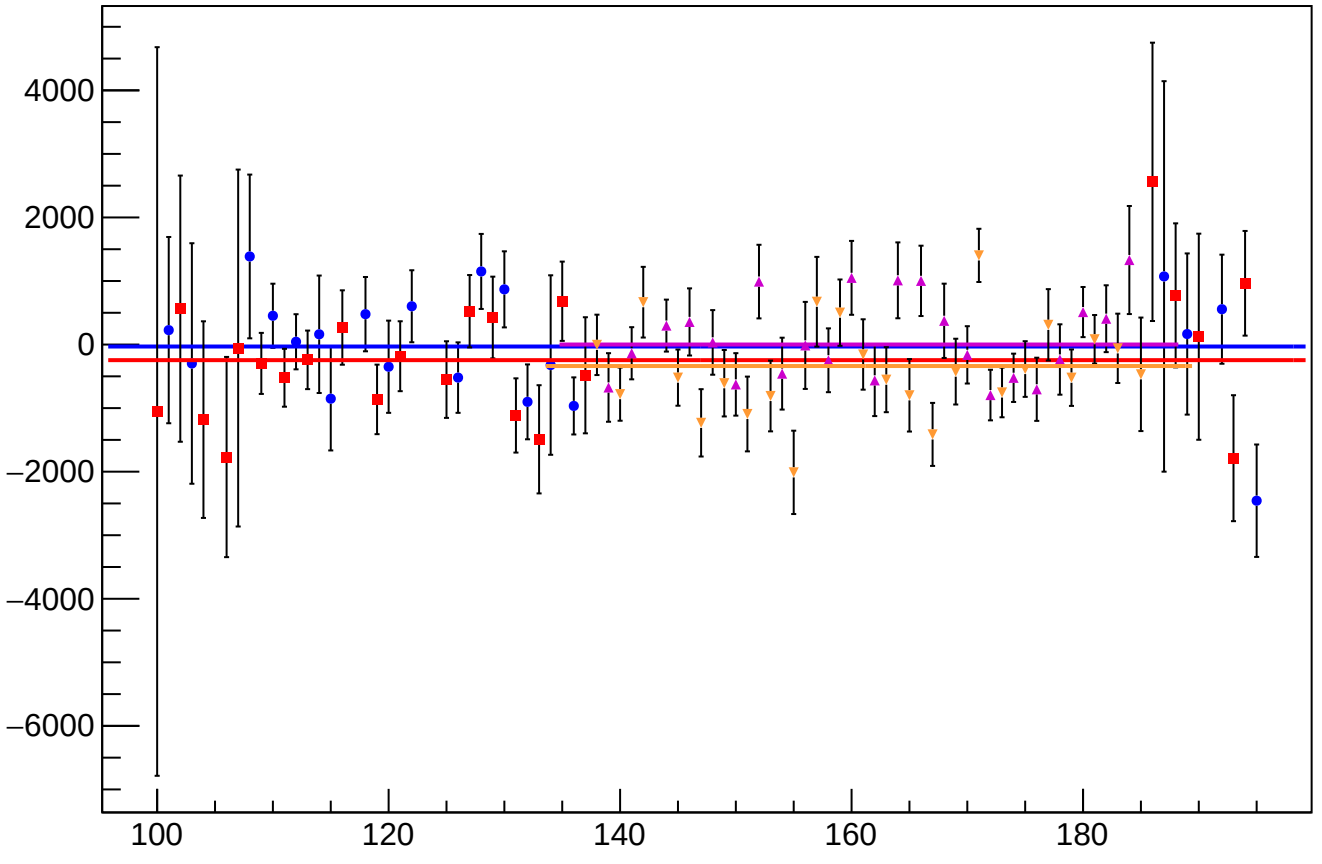
Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.732+/-0.146 χ^2/NDF: 695106.6/43

All: 1097.222+/-0.103 χ^2/NDF: 1003384.5/89

- sign 1100.673+/-0.145 χ^2/NDF: 307143.6/45



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

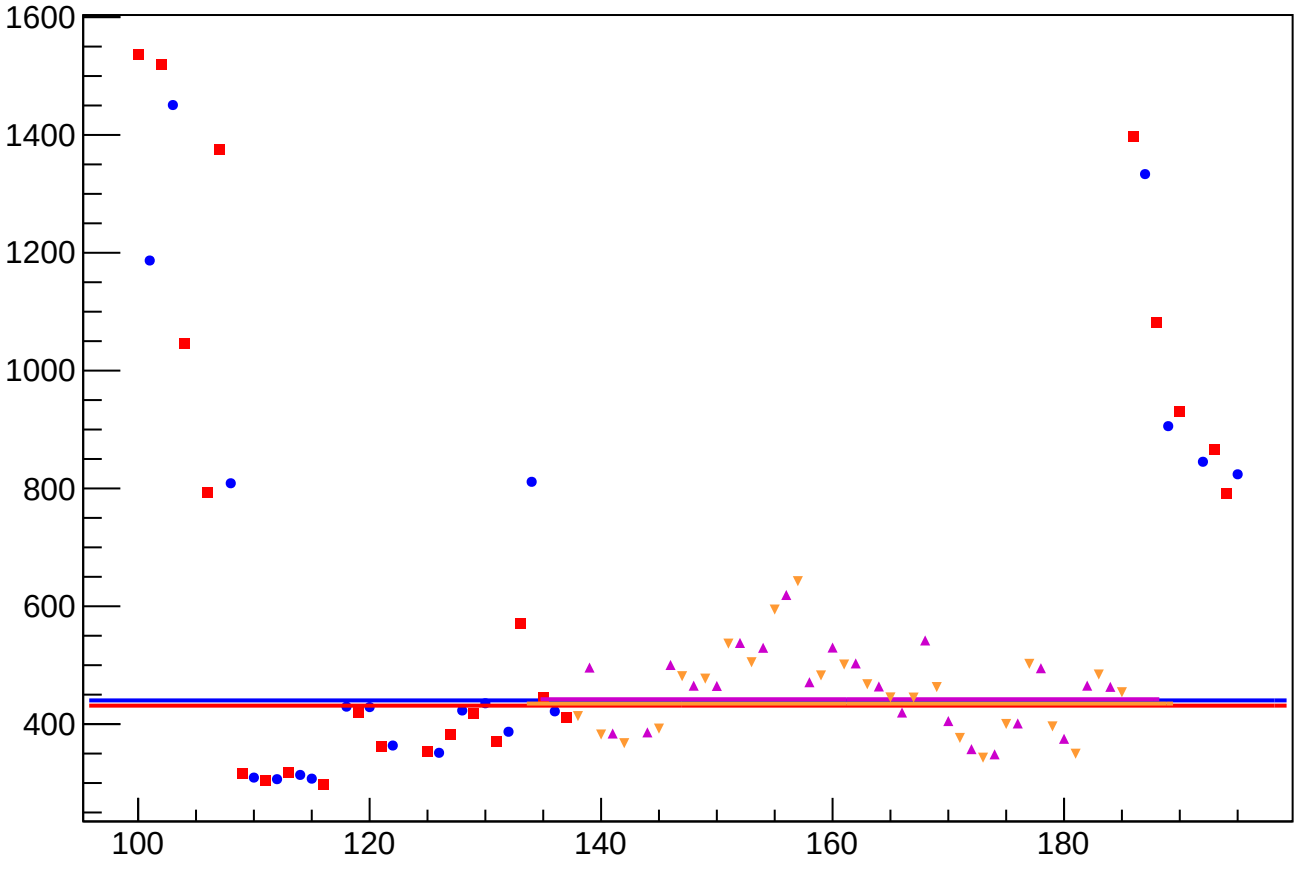
Right Out: -245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -243.945+/-85.491 χ^2/NDF: 78.7/43

All: -162.474+/-60.542 χ^2/NDF: 135.1/89

- sign -80.514+/-85.747 χ^2/NDF: 54.5/45



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: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

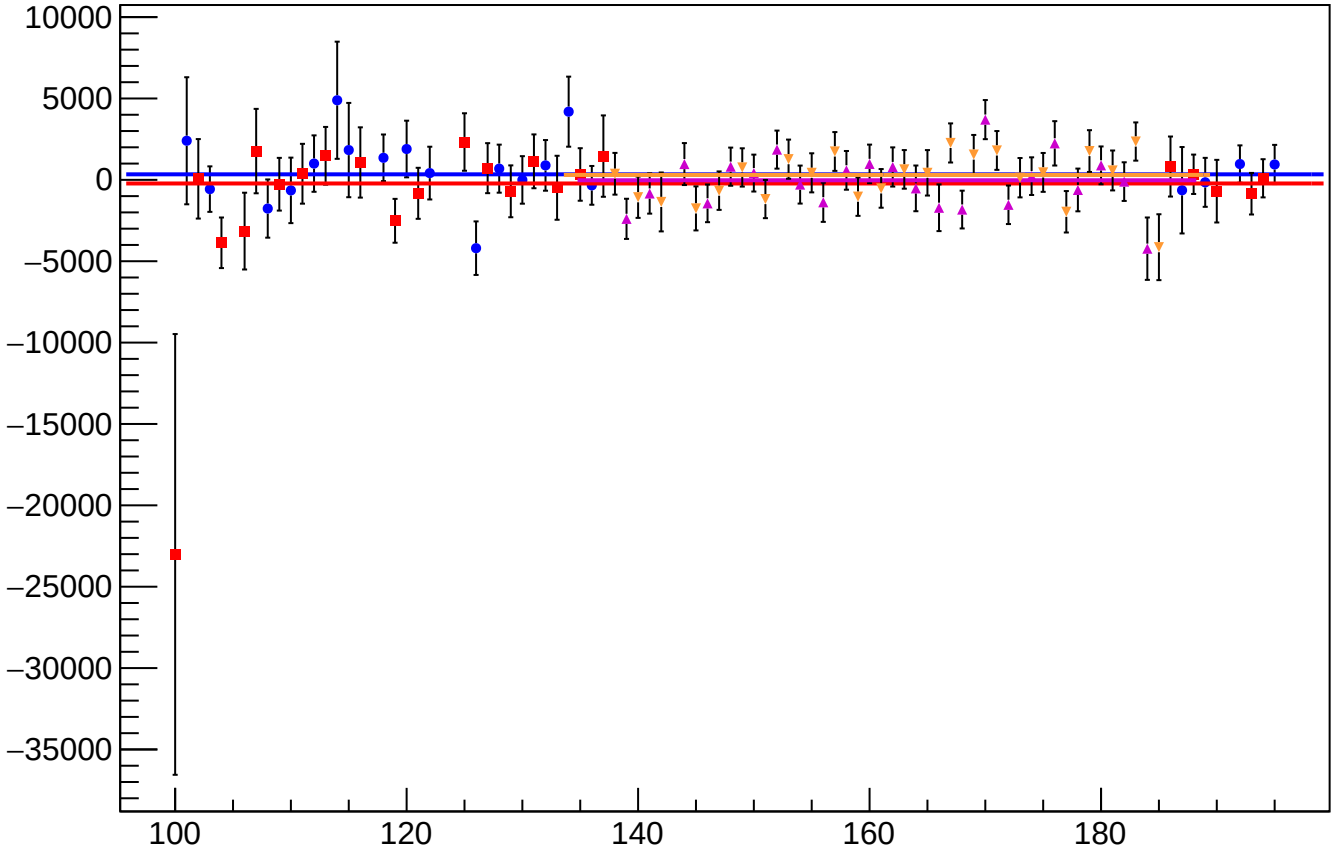
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 436.497+/-0.060 χ^2/NDF: 4058649.7/43

All: 437.559+/-0.043 χ^2/NDF: 8815016.7/89

\- sign 438.628+/-0.061 χ^2/NDF: 4755747.4/45

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: -222.782+/-354.087 χ^2/NDF: 19.6/22

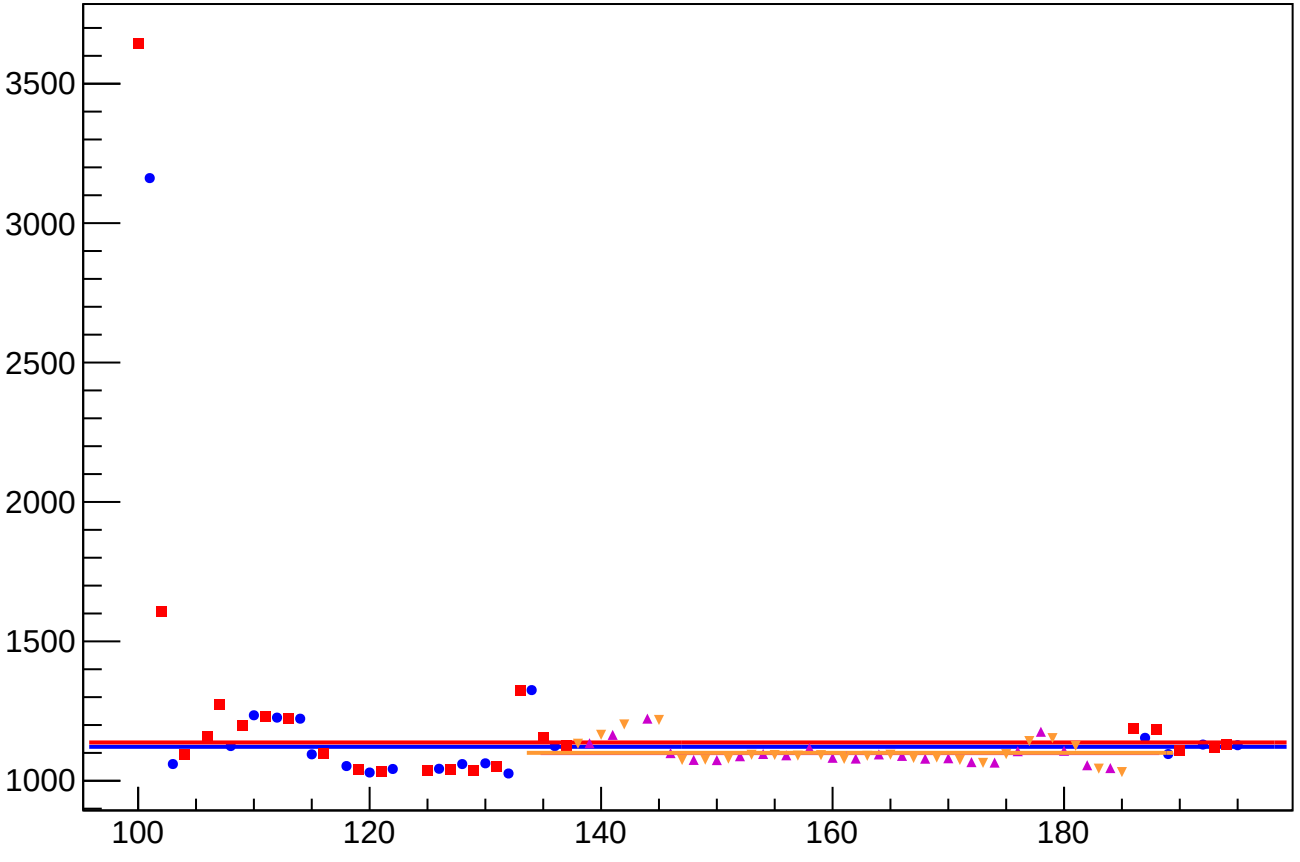
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 315.341+/-209.237 χ^2/NDF: 46.3/43

All: 109.677+/-147.485 χ^2/NDF: 103.9/89

- sign -93.404+/-207.919 χ^2/NDF: 55.7/45

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

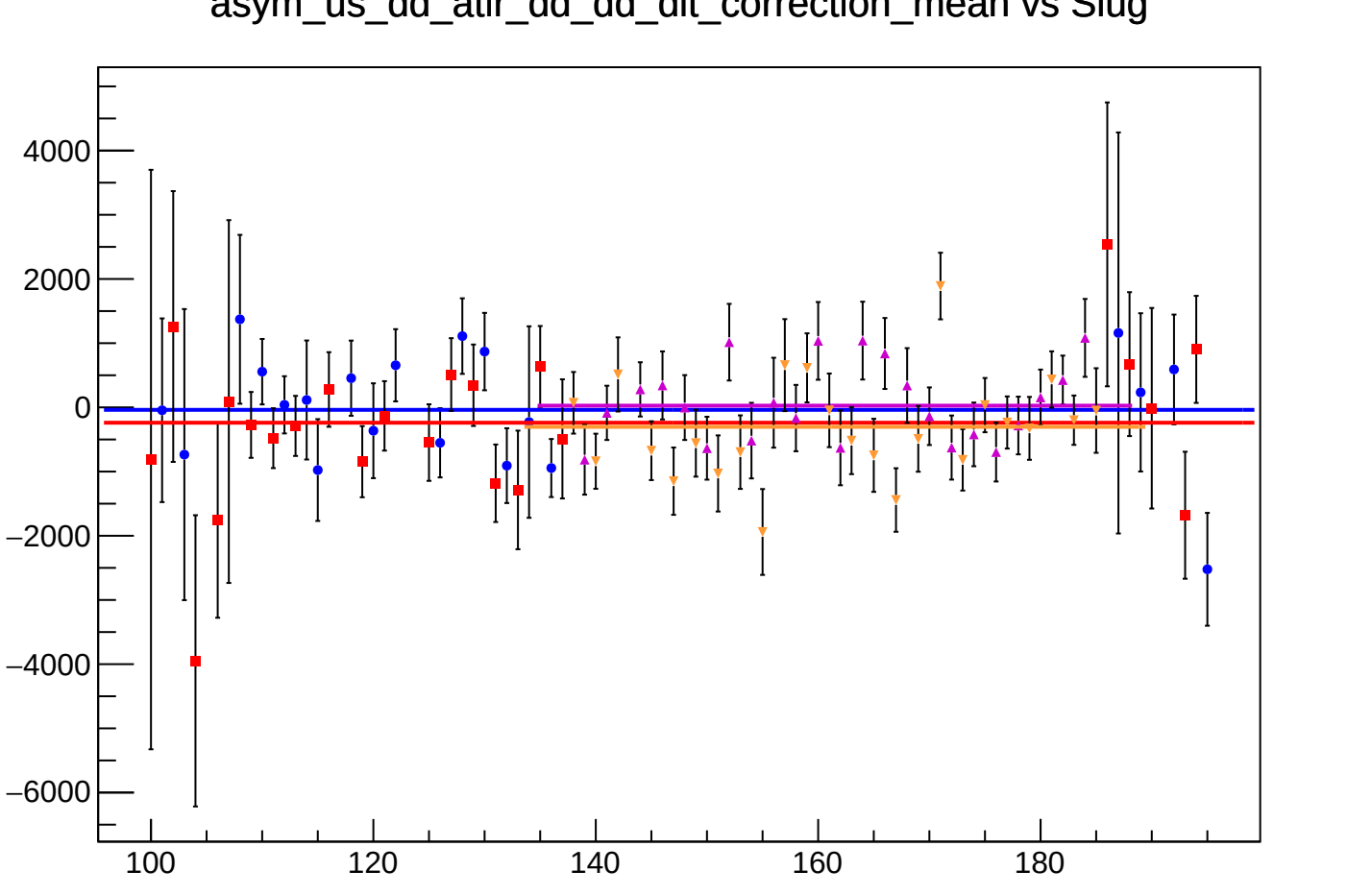
Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1107.382+/-0.148 χ^2/NDF: 671554.4/43

All: 1109.964+/-0.104 χ^2/NDF: 965097.4/89

\- sign 1112.513+/-0.147 χ^2/NDF: 292938.0/45



Right In: -38.480+/-155.043 χ^2/NDF: 28.5/19

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -238.957+/-151.598 χ^2/NDF: 21.4/22

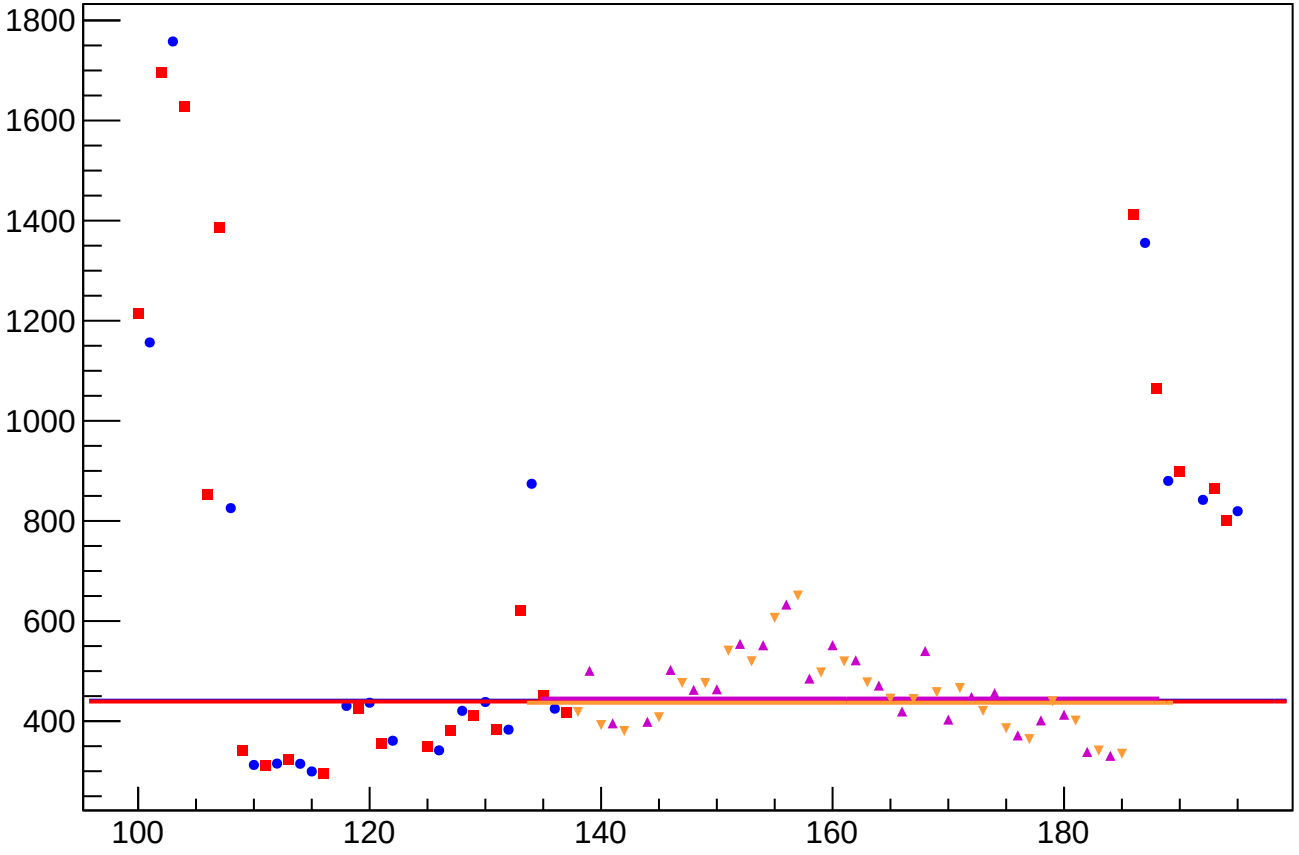
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -222.177+/-85.782 χ^2/NDF: 80.0/43

All: -141.745+/-60.927 χ^2/NDF: 133.1/89

- sign -59.865+/-86.551 χ^2/NDF: 51.3/45

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: 439.232+/-0.107 χ^2/NDF: 4301798.9/22

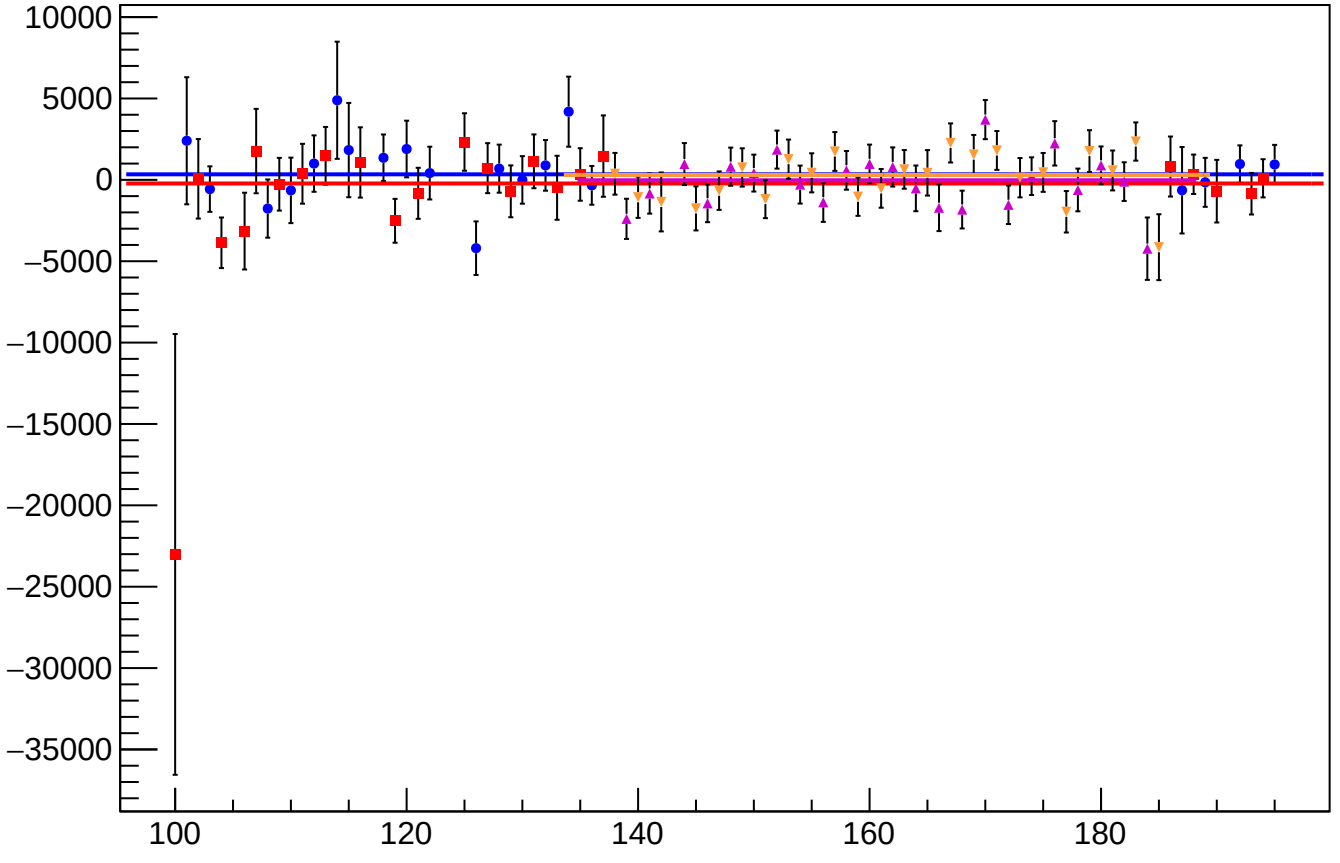
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 438.047+/-0.061 χ^2/NDF: 4128816.9/43

All: 440.597+/-0.043 χ^2/NDF: 9310743.7/89

- sign 443.193+/-0.061 χ^2/NDF: 5178359.6/45

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: -222.782+/-354.087 χ^2/NDF: 19.6/22

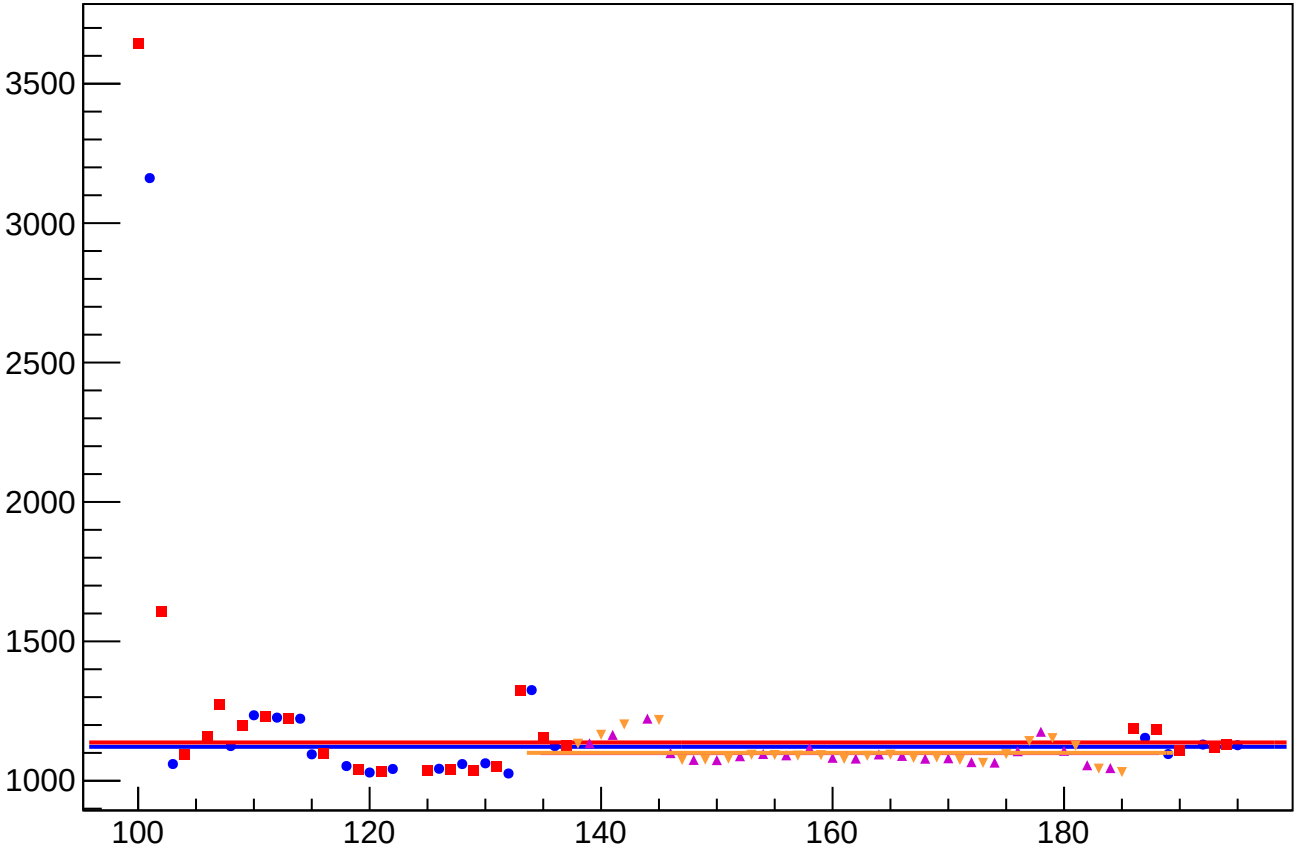
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 315.341+/-209.237 χ^2/NDF: 46.3/43

All: 109.676+/-147.485 χ^2/NDF: 103.9/89

- sign -93.405+/-207.919 χ^2/NDF: 55.7/45

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

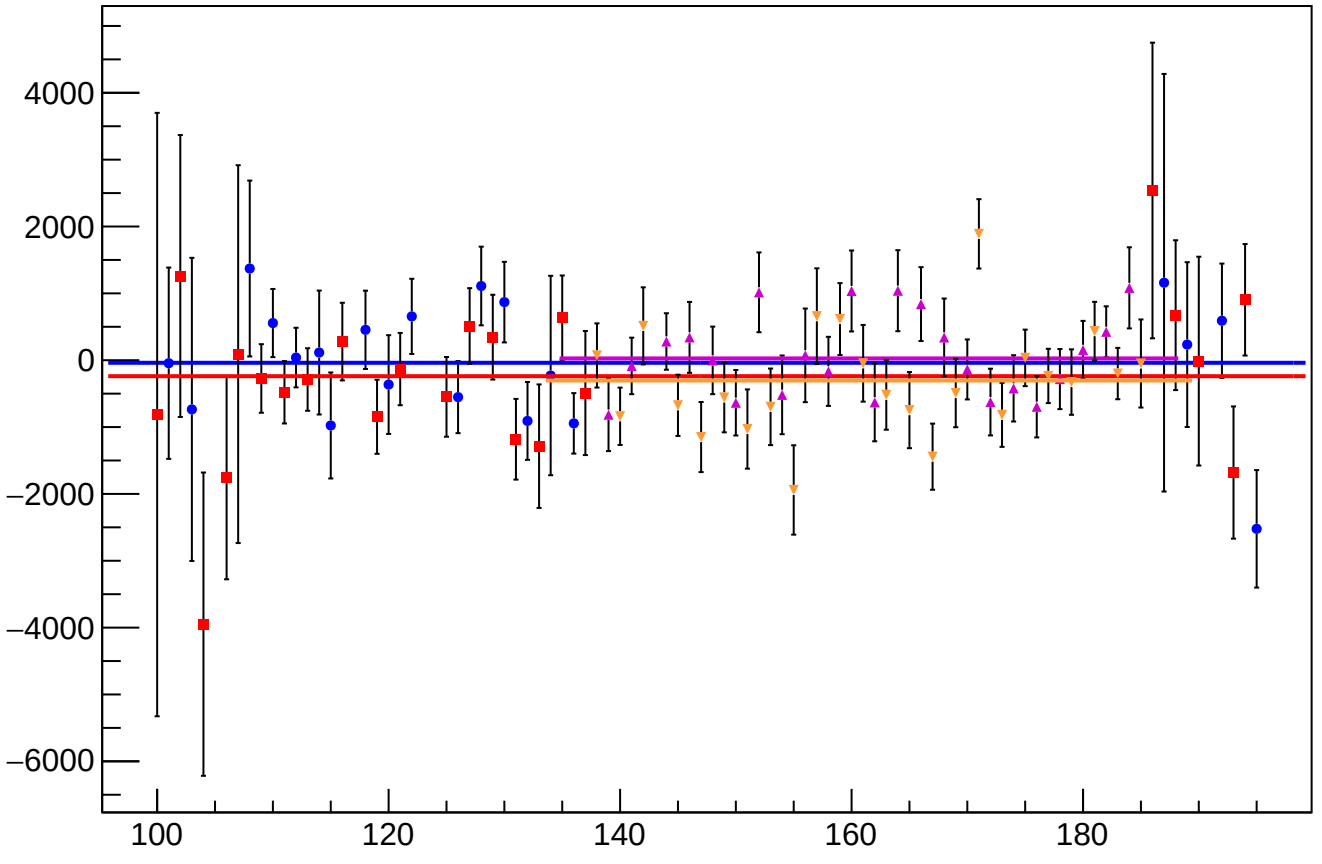
Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1107.383+/-0.148 χ^2/NDF: 671554.6/43

All: 1109.964+/-0.104 χ^2/NDF: 965097.8/89

- sign 1112.513+/-0.147 χ^2/NDF: 292938.2/45



Right In: -38.483+/-155.042 χ^2/NDF: 28.5/19

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

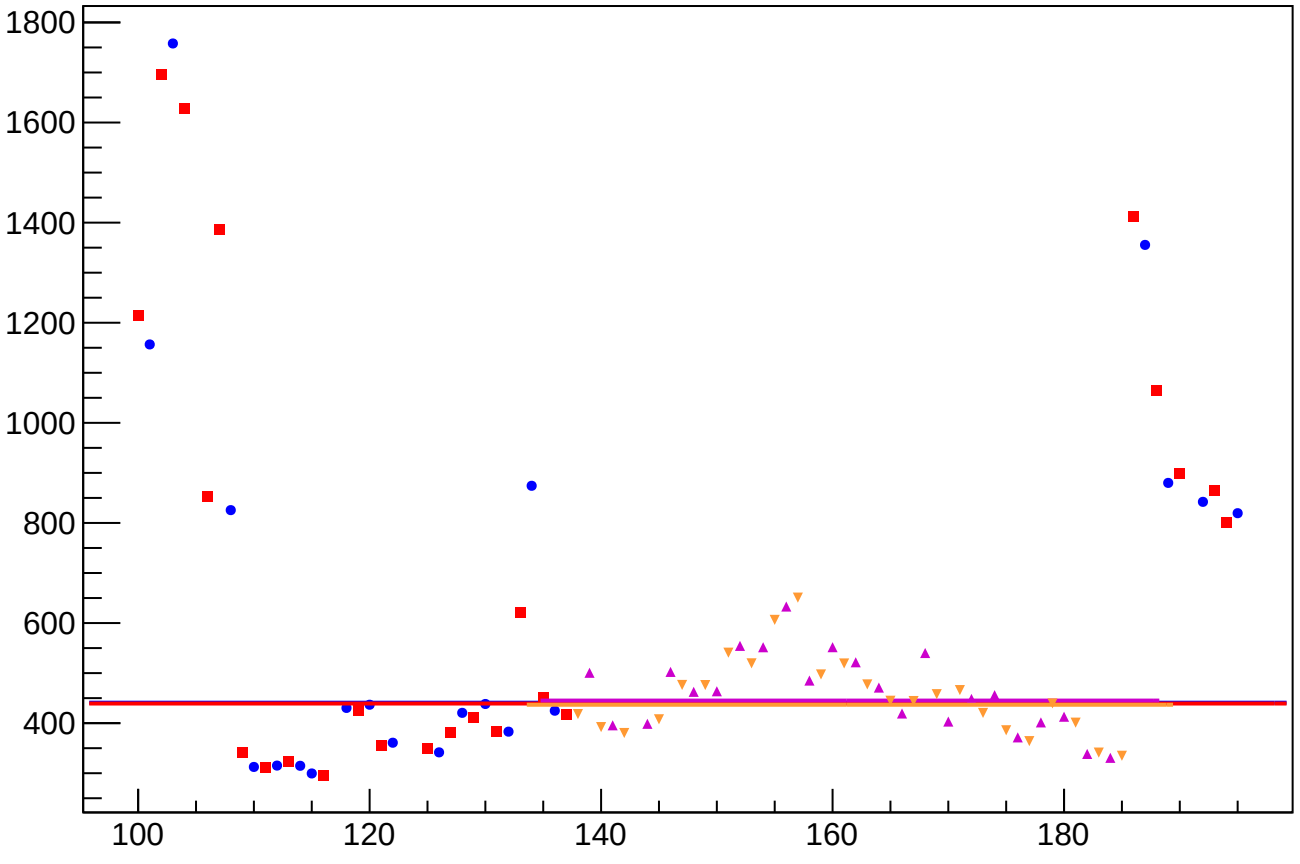
Right Out: -238.955+/-151.597 χ^2/NDF: 21.4/22

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -222.178+/-85.781 χ^2/NDF: 80.0/43

All: -141.746+/-60.927 χ^2/NDF: 133.1/89

- sign -59.865+/-86.550 χ^2/NDF: 51.3/45



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: 439.229+/-0.107 χ^2/NDF: 4301818.9/22

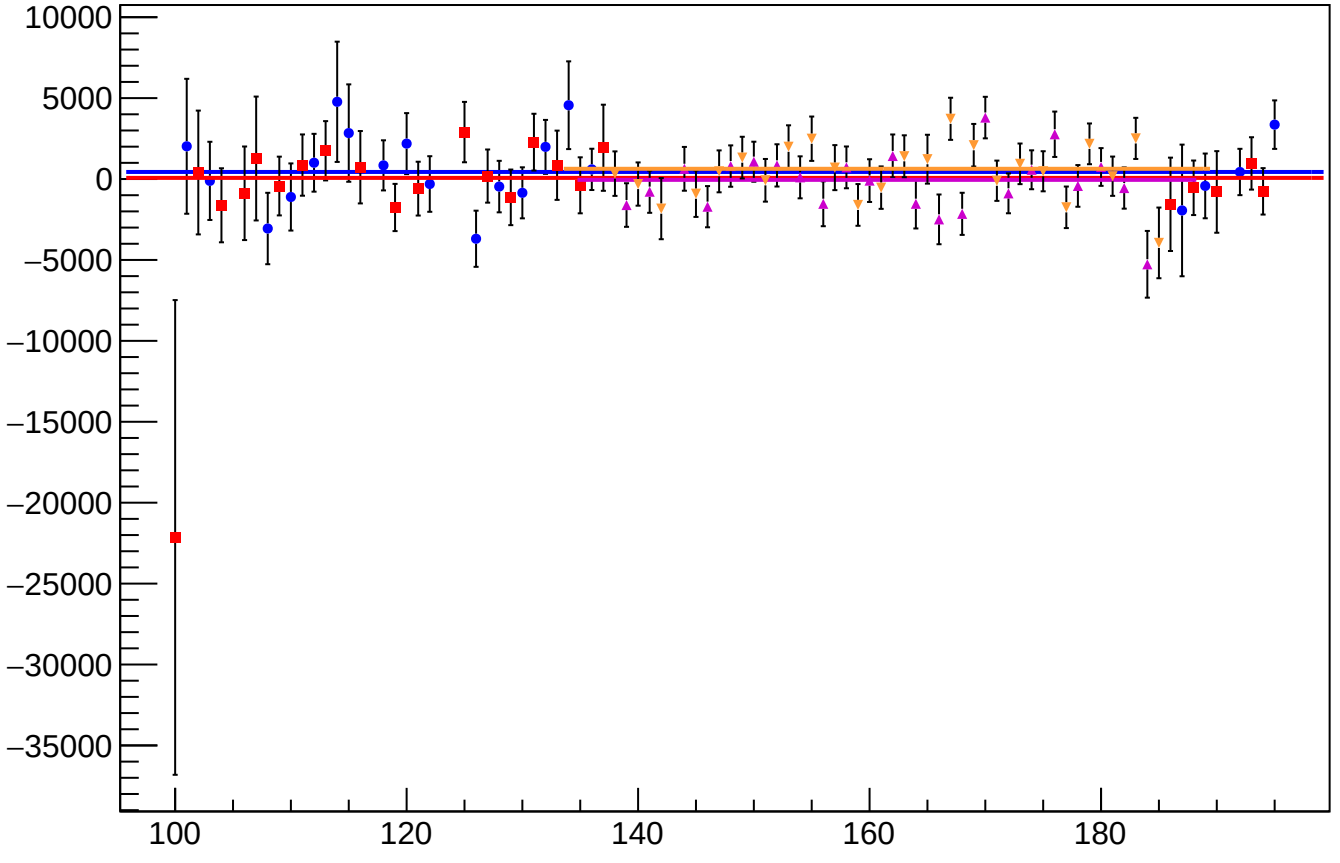
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 438.046+/-0.061 χ^2/NDF: 4128855.0/43

All: 440.596+/-0.043 χ^2/NDF: 9310837.6/89

- sign 443.192+/-0.061 χ^2/NDF: 5178415.7/45

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: 70.330+/-412.474 χ^2/NDF: 12.3/22

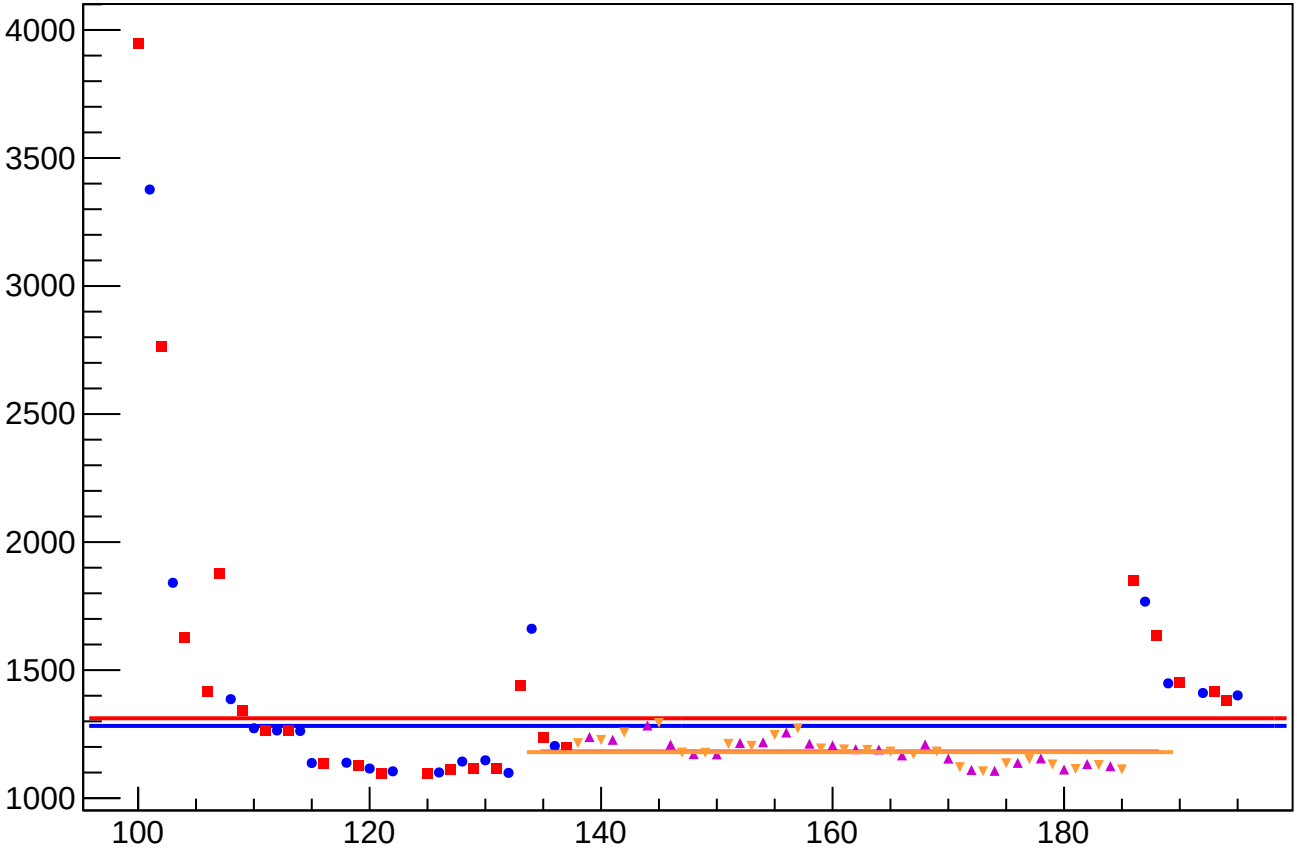
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 574.267+/-229.427 χ^2/NDF: 50.9/43

All: 280.573+/-162.258 χ^2/NDF: 101.5/89

- sign -13.323+/-229.506 χ^2/NDF: 47.3/45

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

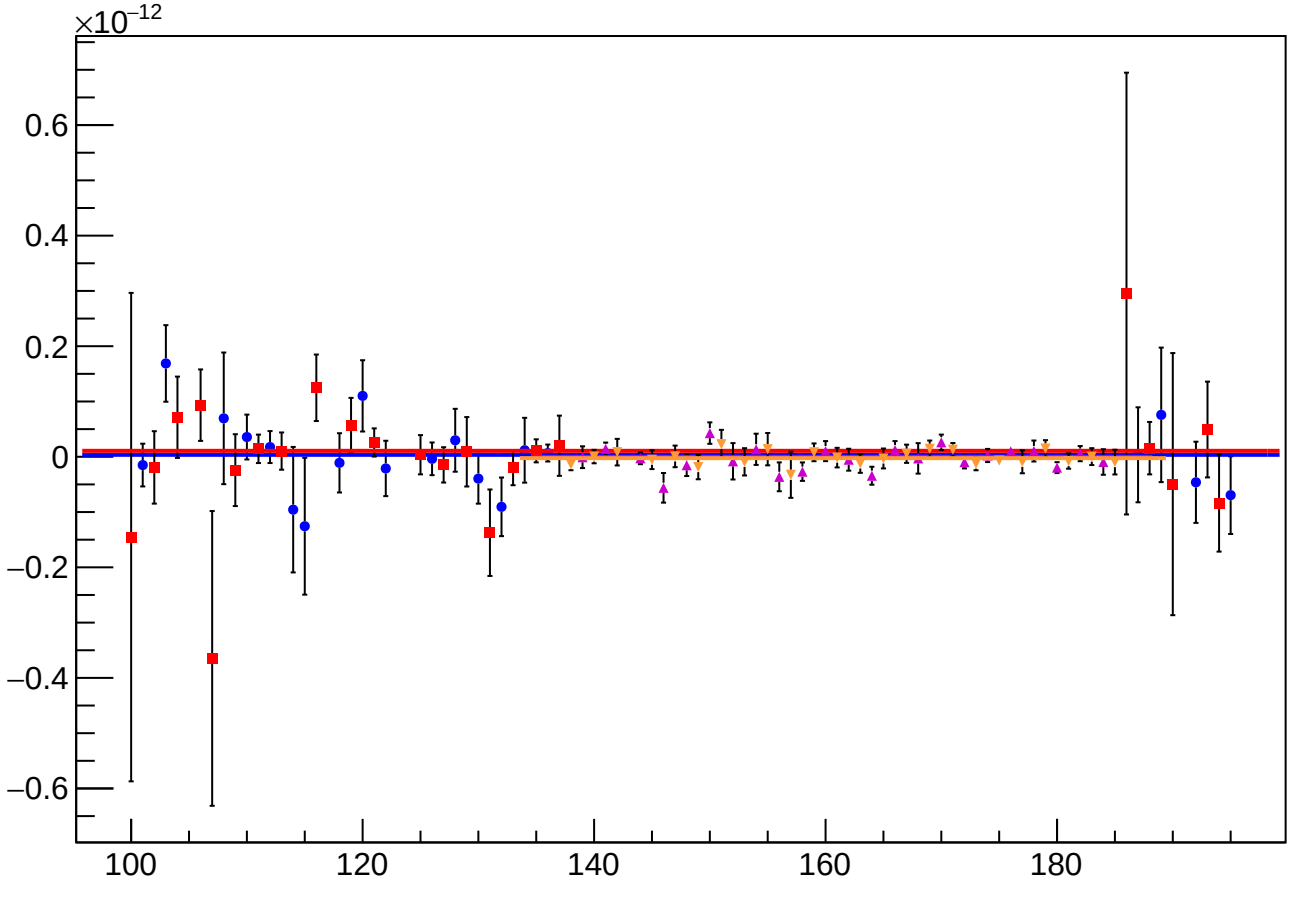
Right Out: 1311.919+/-0.292 χ^2/NDF: 802851.7/22

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1210.367+/-0.162 χ^2/NDF: 1017680.8/43

All: 1216.268+/-0.115 χ^2/NDF: 2020675.3/89

\- sign 1222.174+/-0.162 χ^2/NDF: 1000347.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

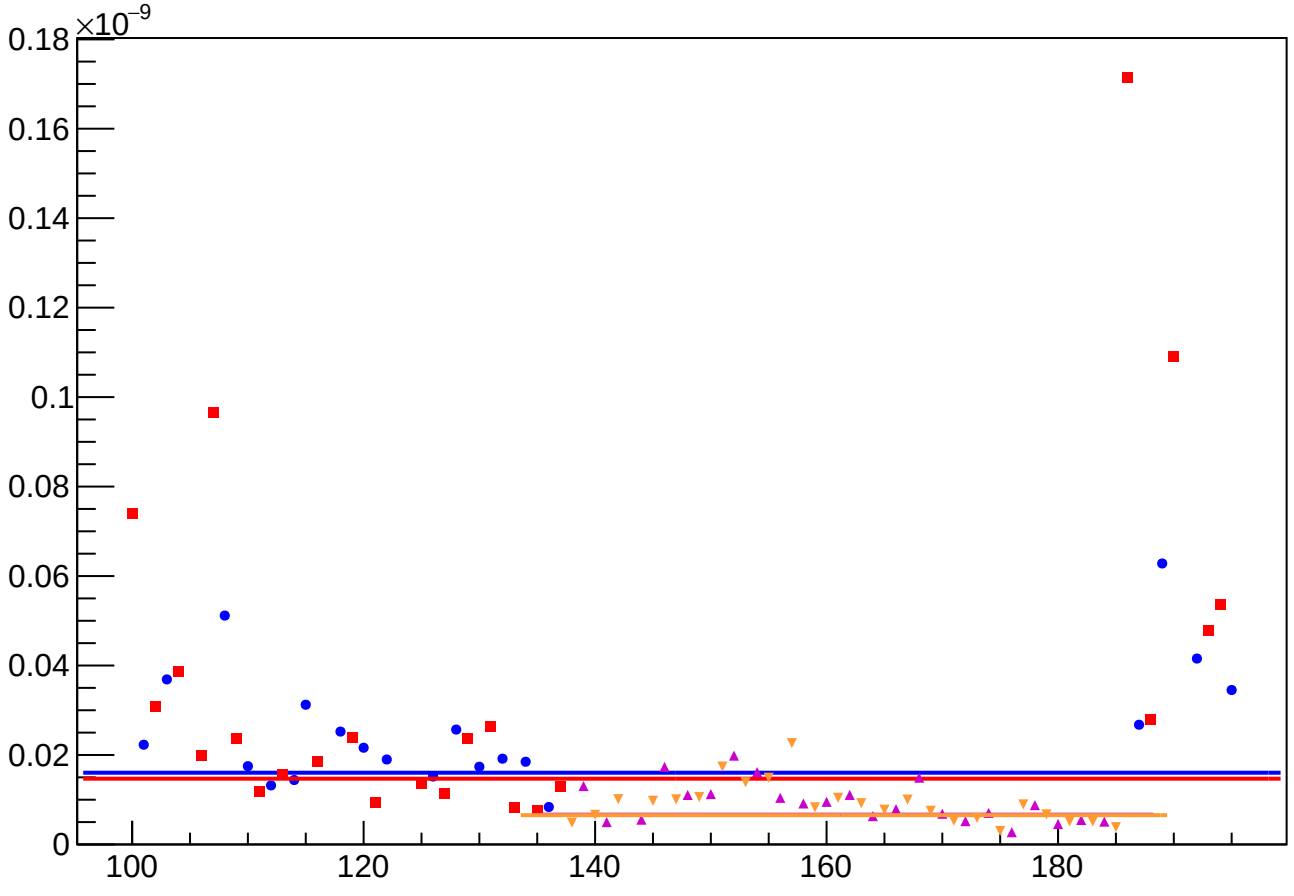
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/22

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: 80.4/89

- sign 0.000+/-0.000 χ^2/NDF: 50.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1819997.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

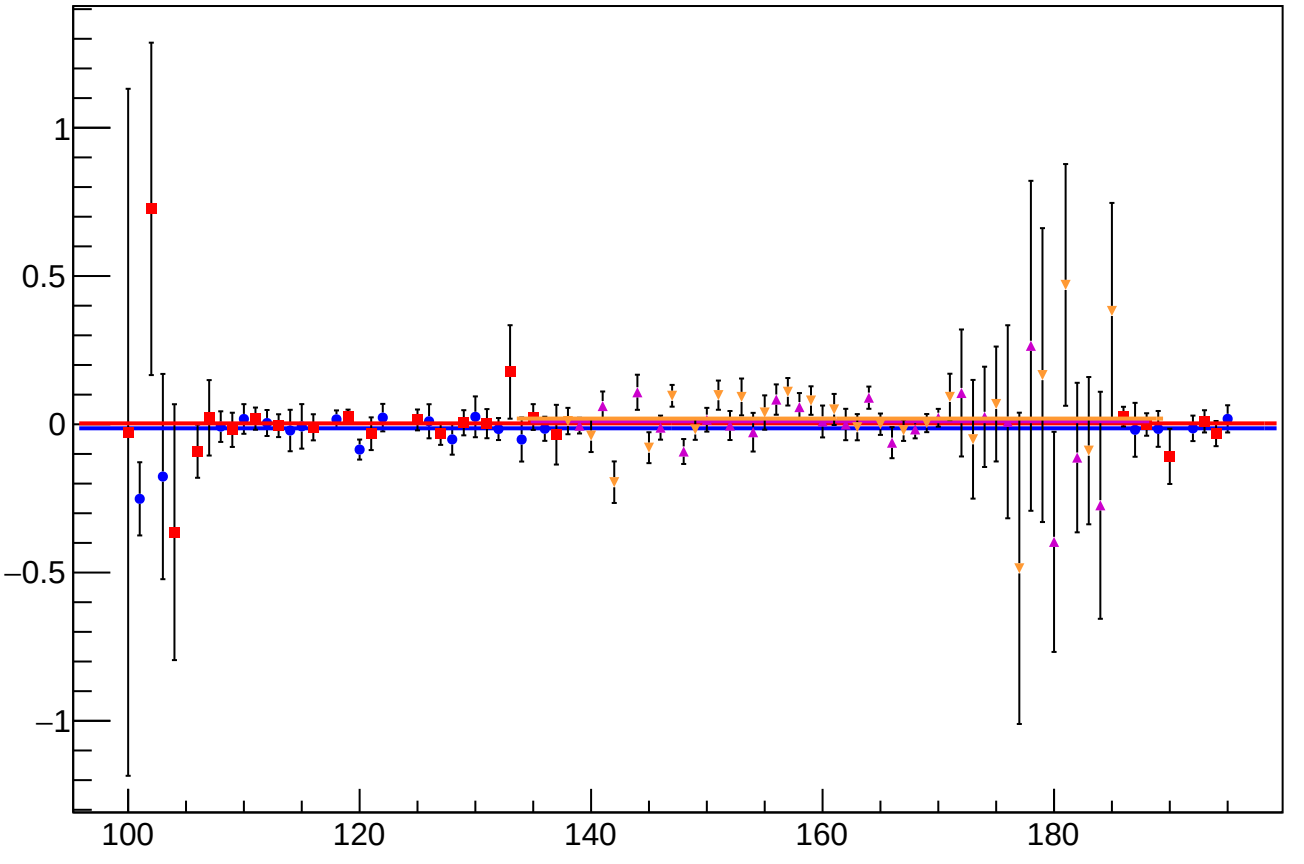
Right Out: 0.000+/-0.000 χ^2/NDF: 2704665.5/22

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: 12659758.1/89

- sign 0.000+/-0.000 χ^2/NDF: 6657678.3/45



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: 10.5/22

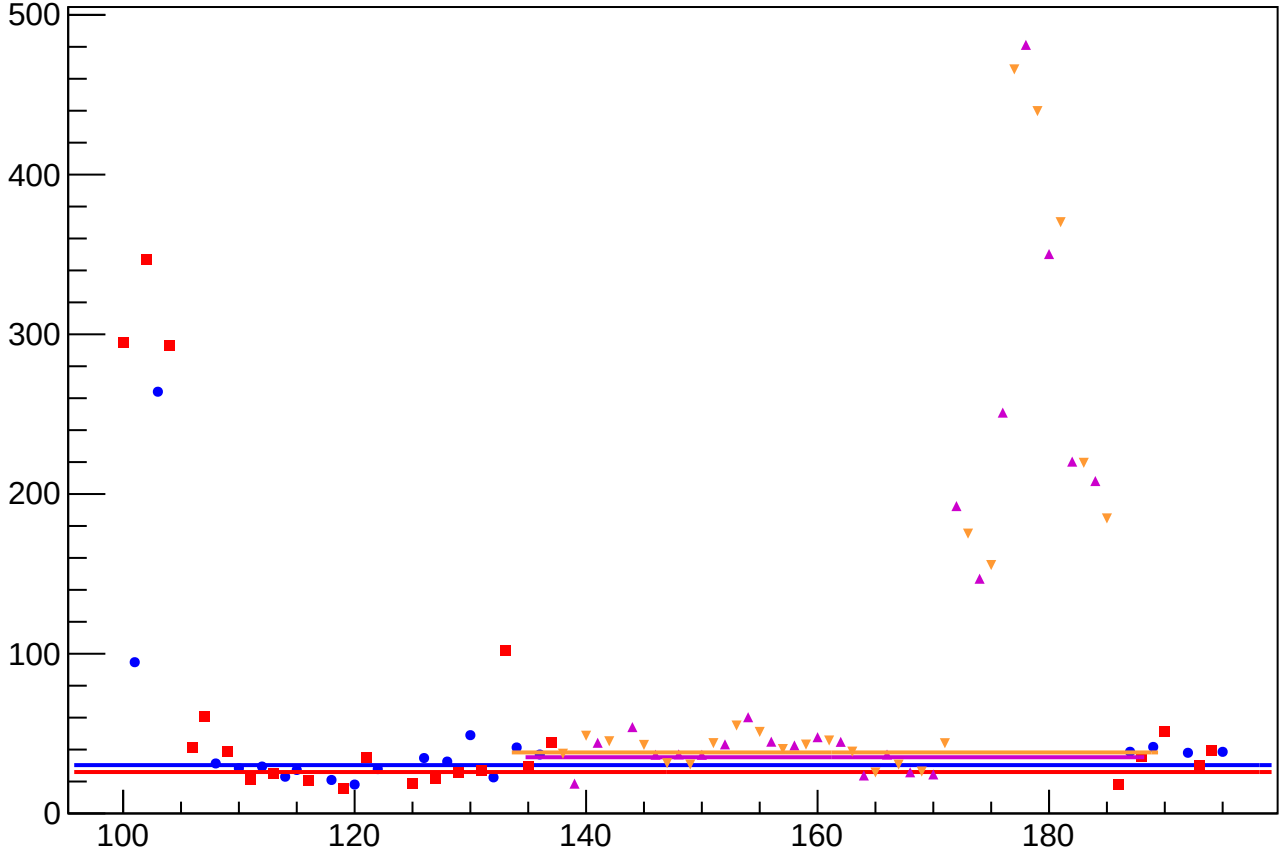
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.8/43

All: 0.005+/-0.005 χ^2/NDF: 87.2/89

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45

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

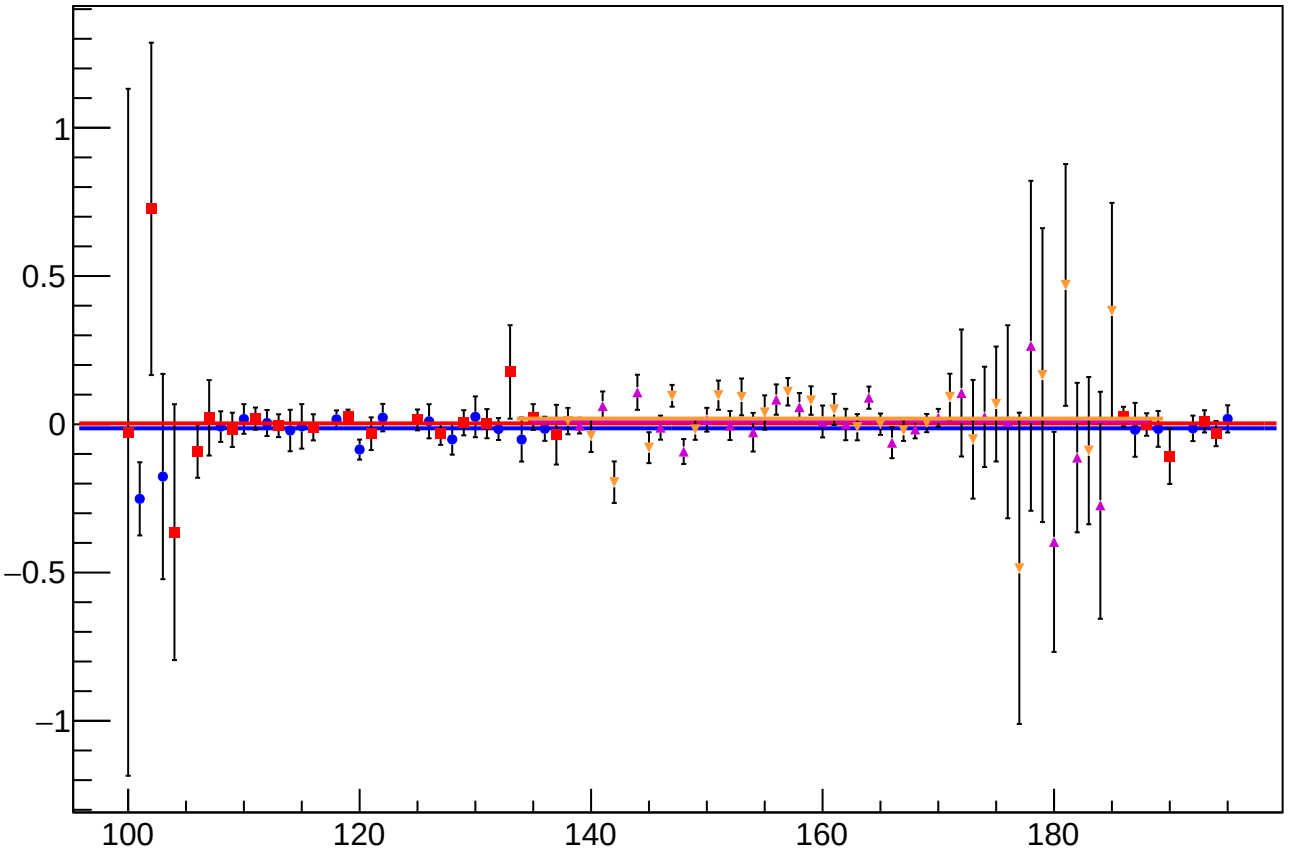
Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316569.3/43

All: 32.141+/-0.004 χ^2/NDF: 25452734.8/89

- sign 30.305+/-0.005 χ^2/NDF: 13835710.2/45



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

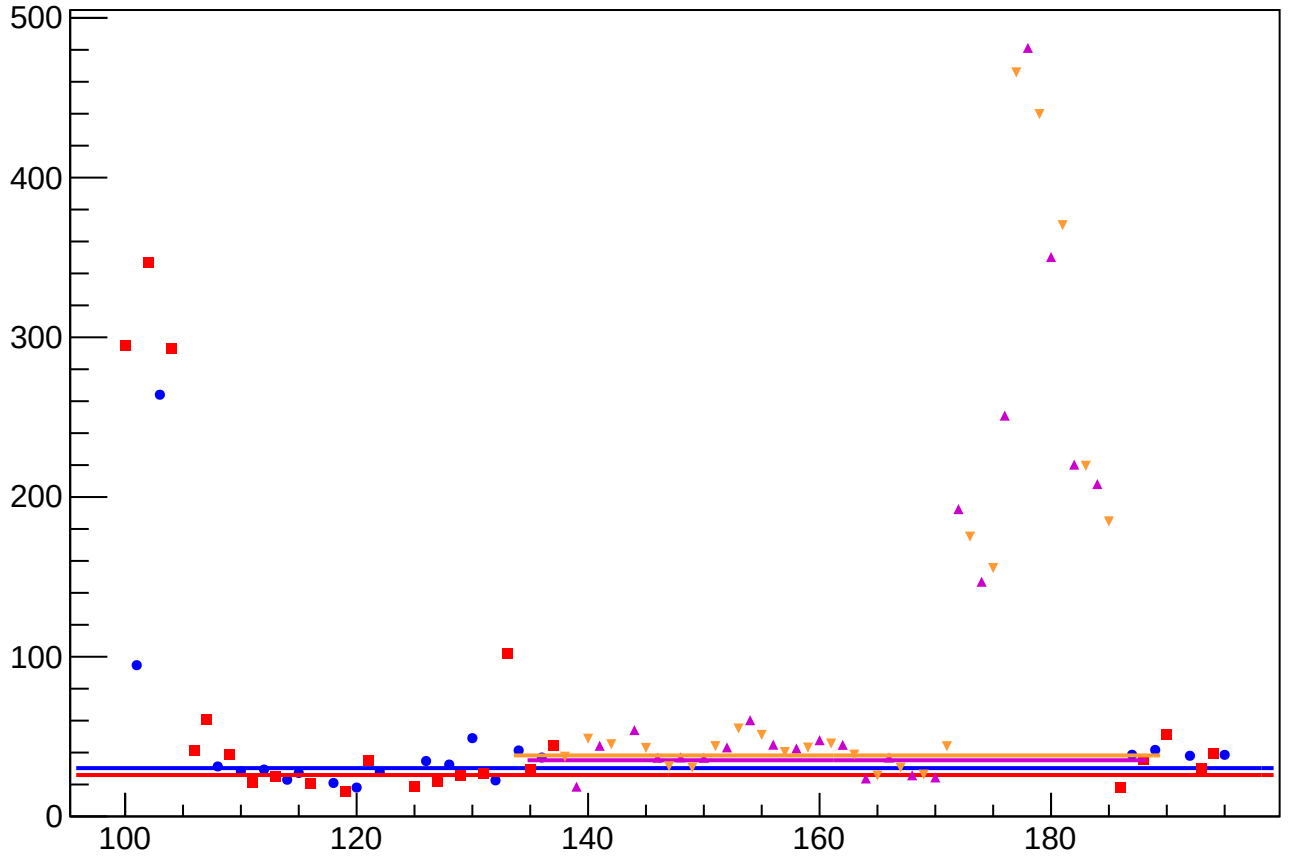
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

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: 87.2/89

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 30.267+/-0.008 χ^2/NDF: 2509160.9/19

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

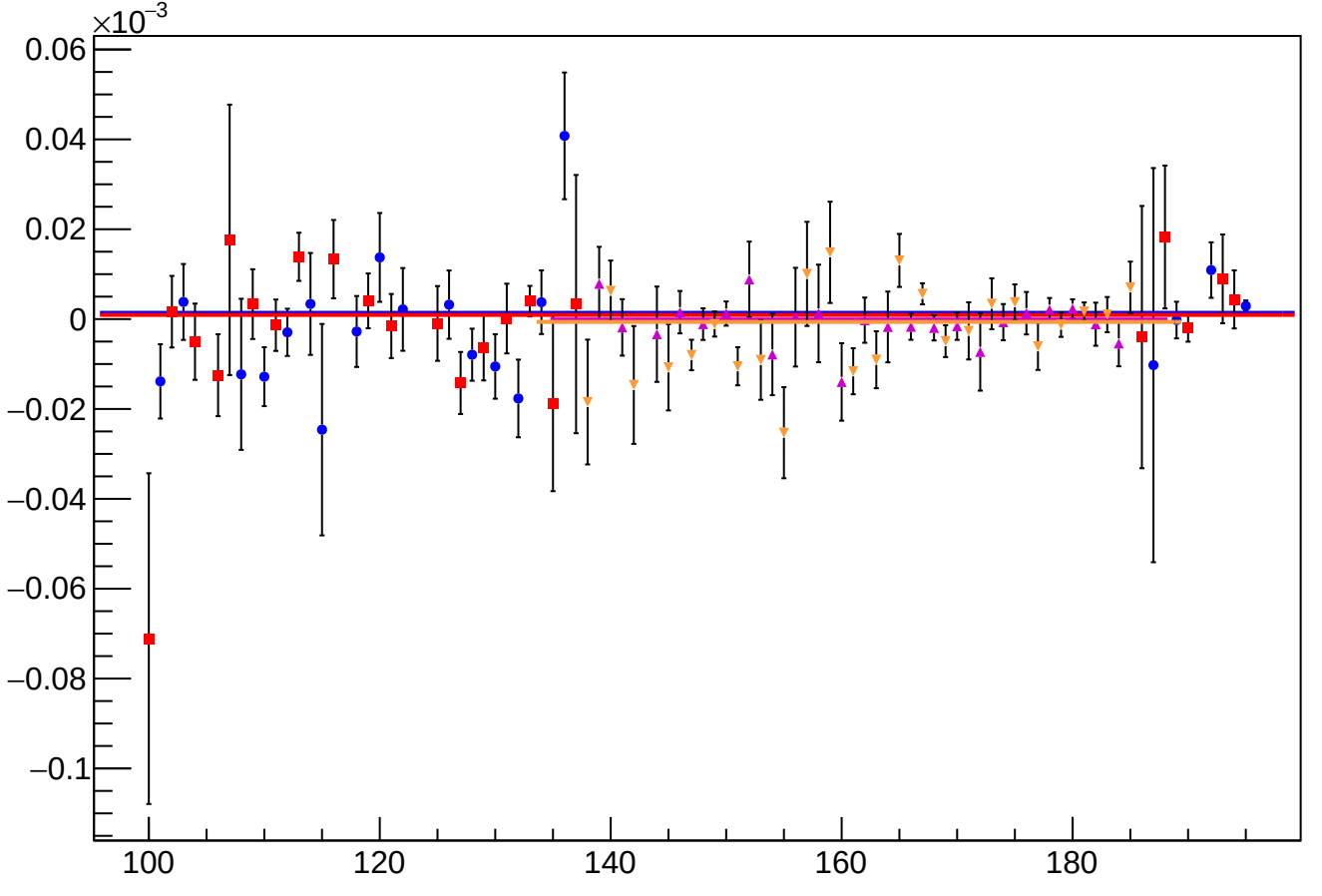
Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316569.3/43

All: 32.141+/-0.004 χ^2/NDF: 25452734.8/89

- sign 30.305+/-0.005 χ^2/NDF: 13835710.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 35.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

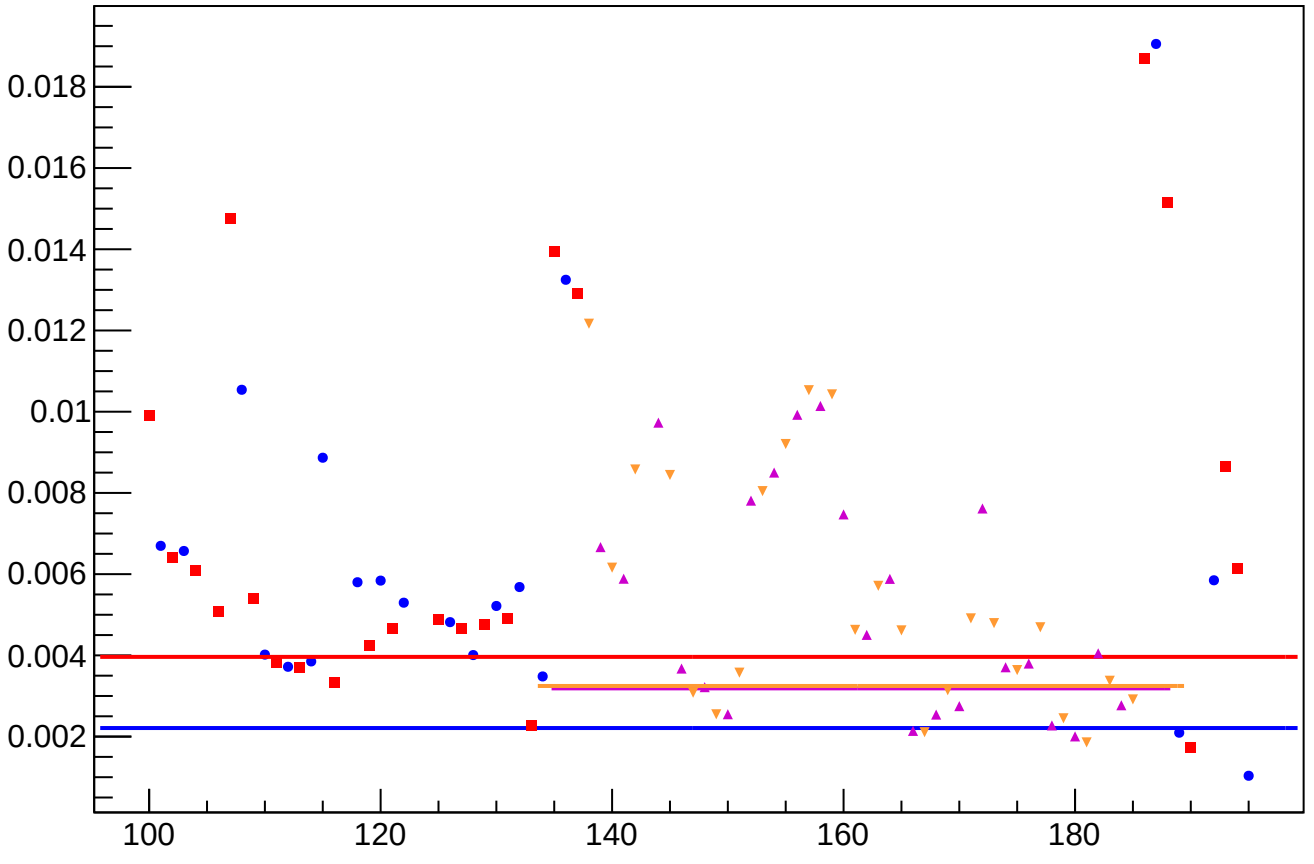
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/22

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: 125.9/89

- sign 0.000+/-0.000 χ^2/NDF: 37.4/45



Right In: 0.002+/-0.000 χ^2/NDF: 8274166.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

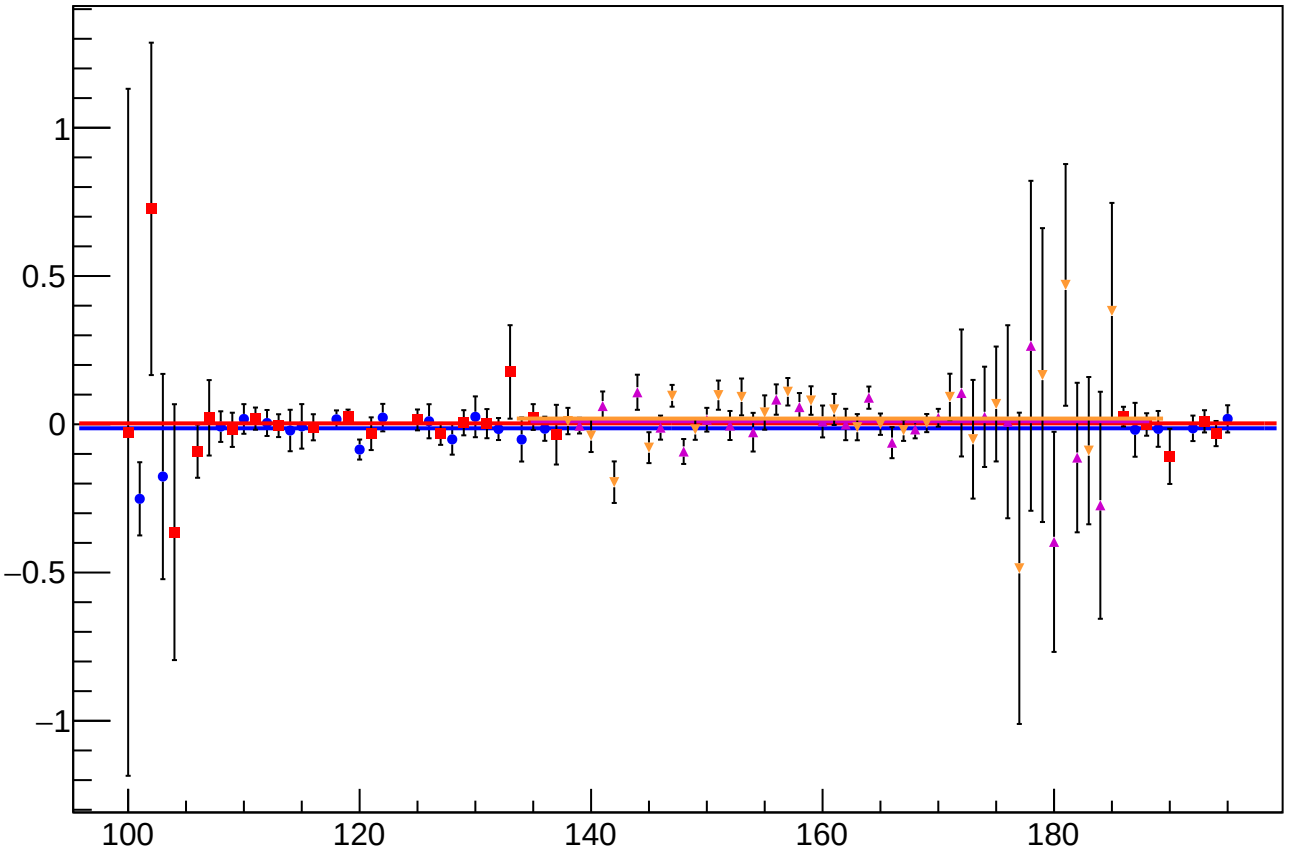
Right Out: 0.004+/-0.000 χ^2/NDF: 5284889.9/22

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: 30980148.8/89

- sign 0.003+/-0.000 χ^2/NDF: 13019480.1/45



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

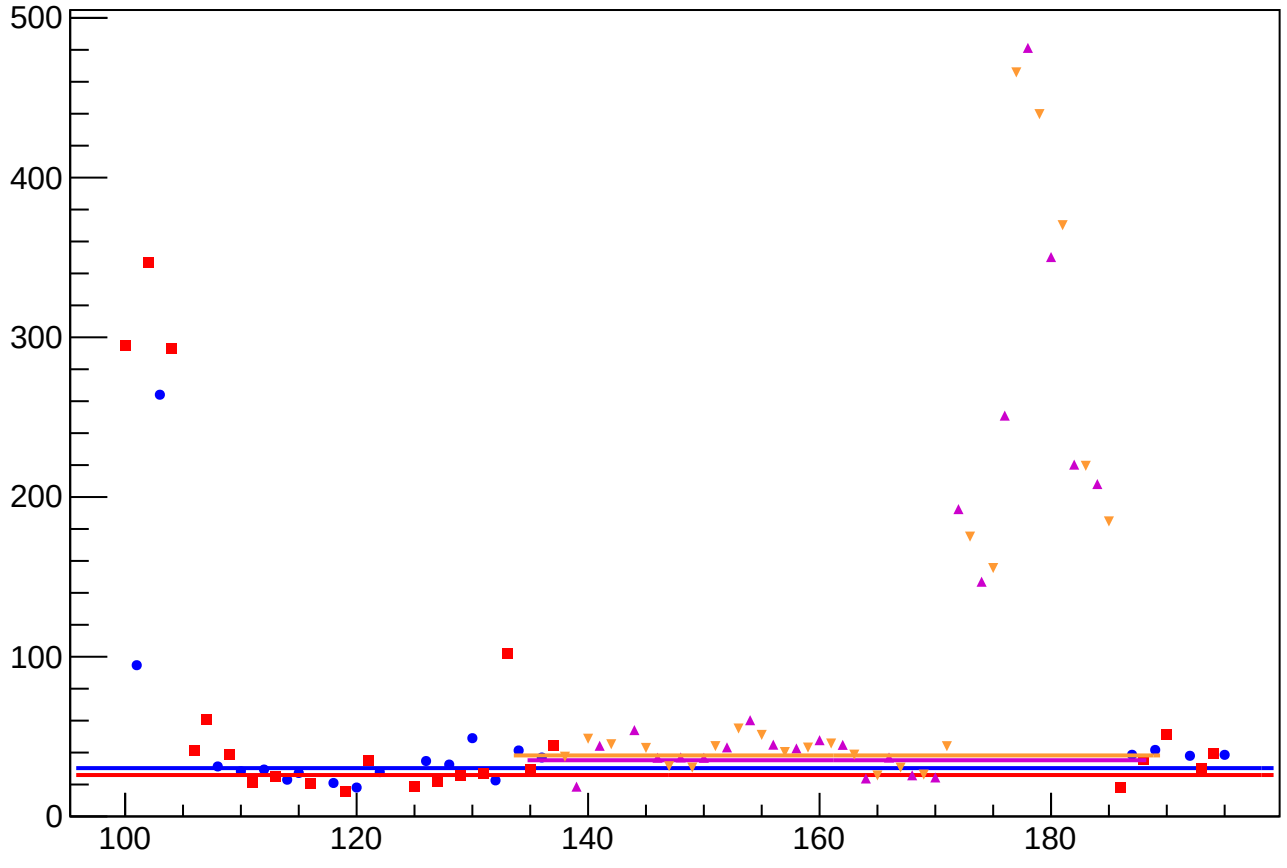
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

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: 87.2/89

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

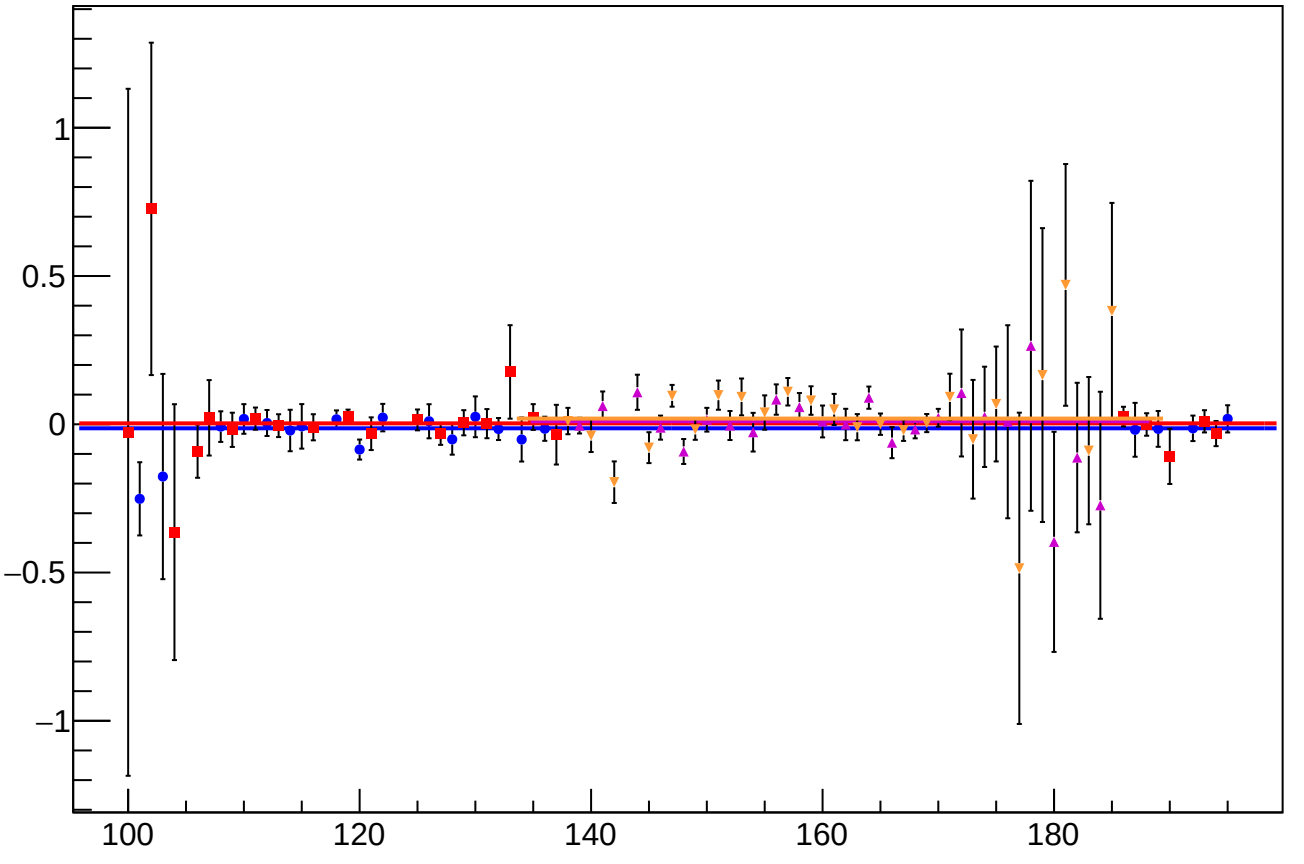
Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316732.2/43

All: 32.140+/-0.004 χ^2/NDF: 25454172.4/89

- sign 30.304+/-0.005 χ^2/NDF: 13836773.2/45



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

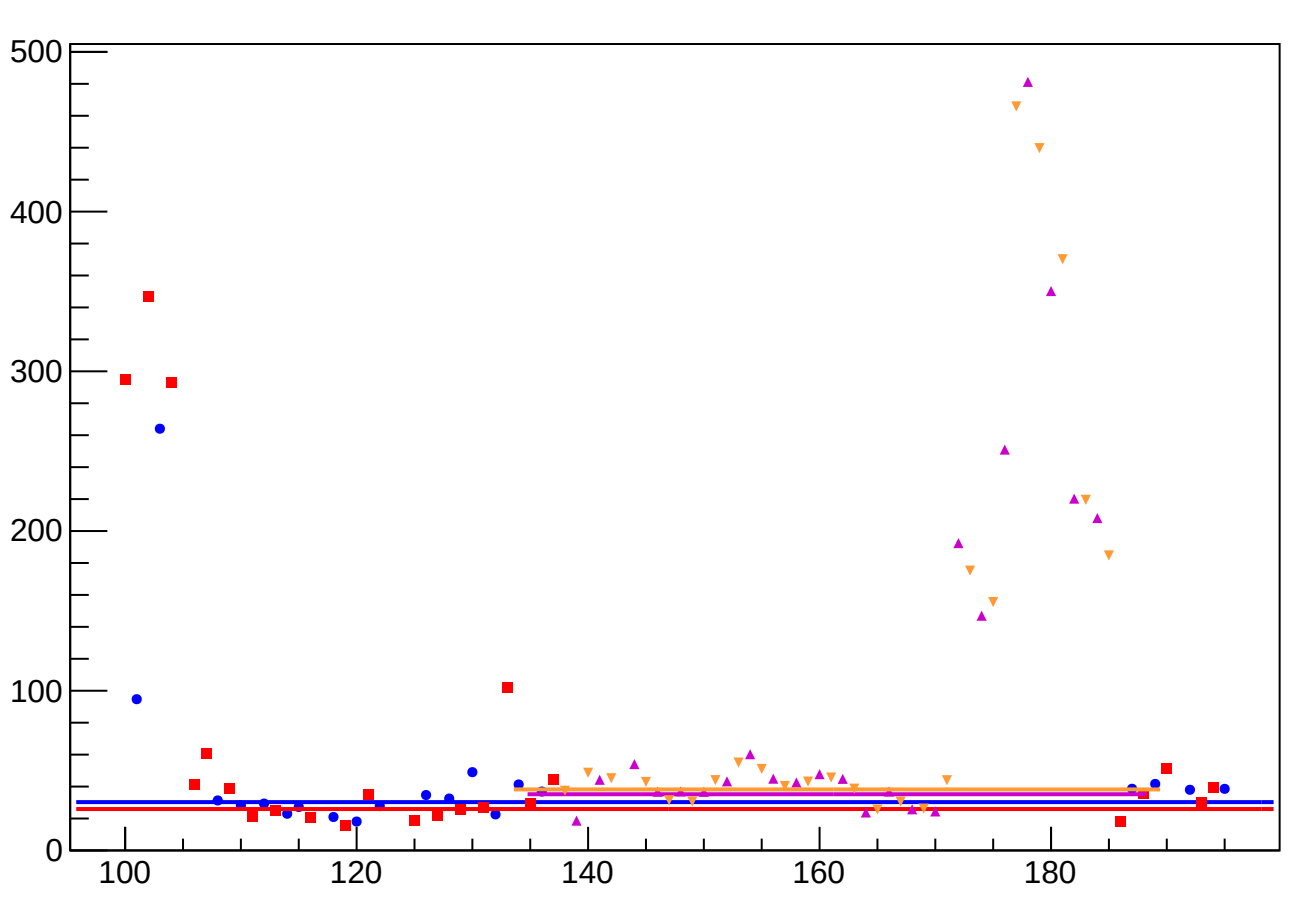
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

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: 87.2/89

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

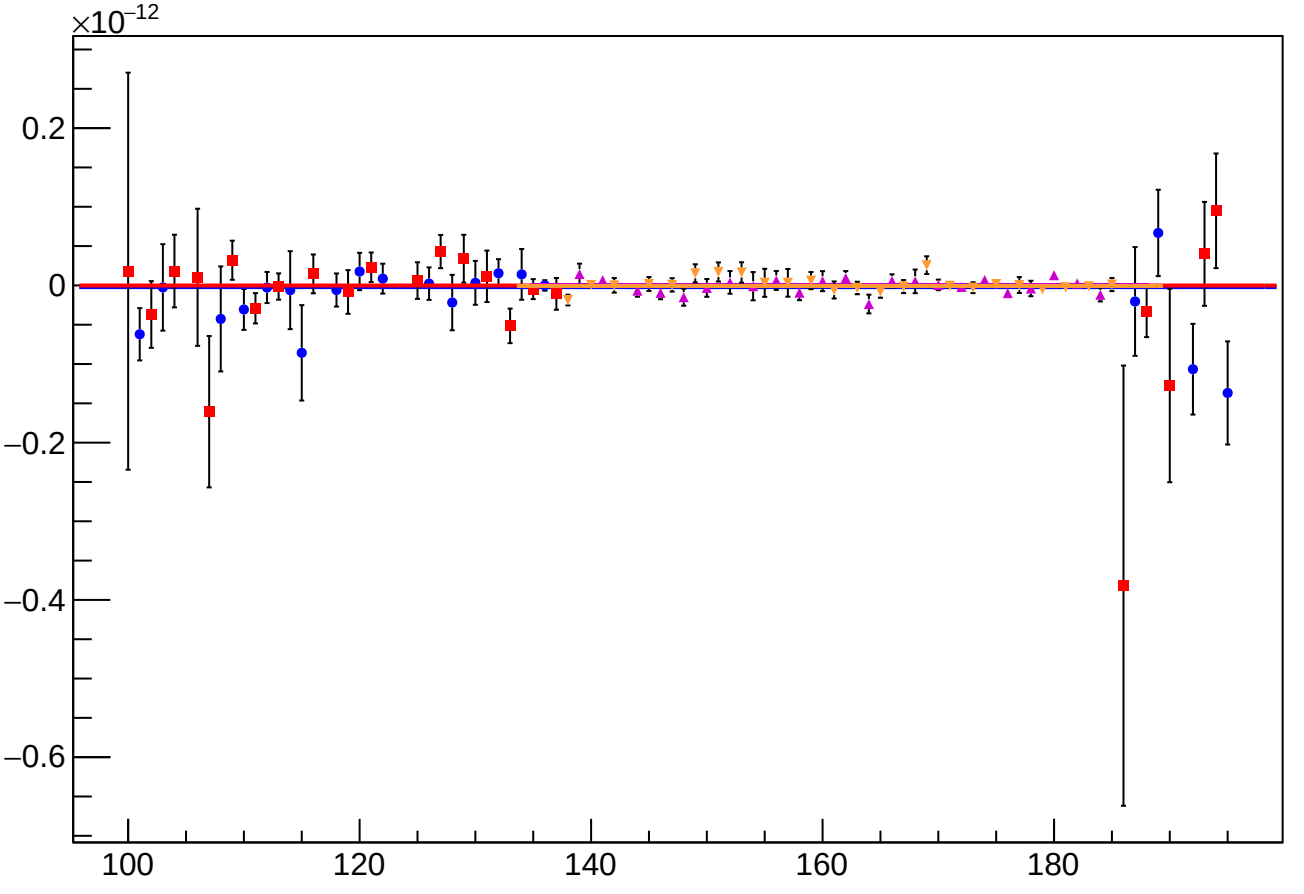
Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.370+/-0.005 χ^2/NDF: 11316732.2/43

All: 32.140+/-0.004 χ^2/NDF: 25454172.4/89

- sign 30.304+/-0.005 χ^2/NDF: 13836773.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

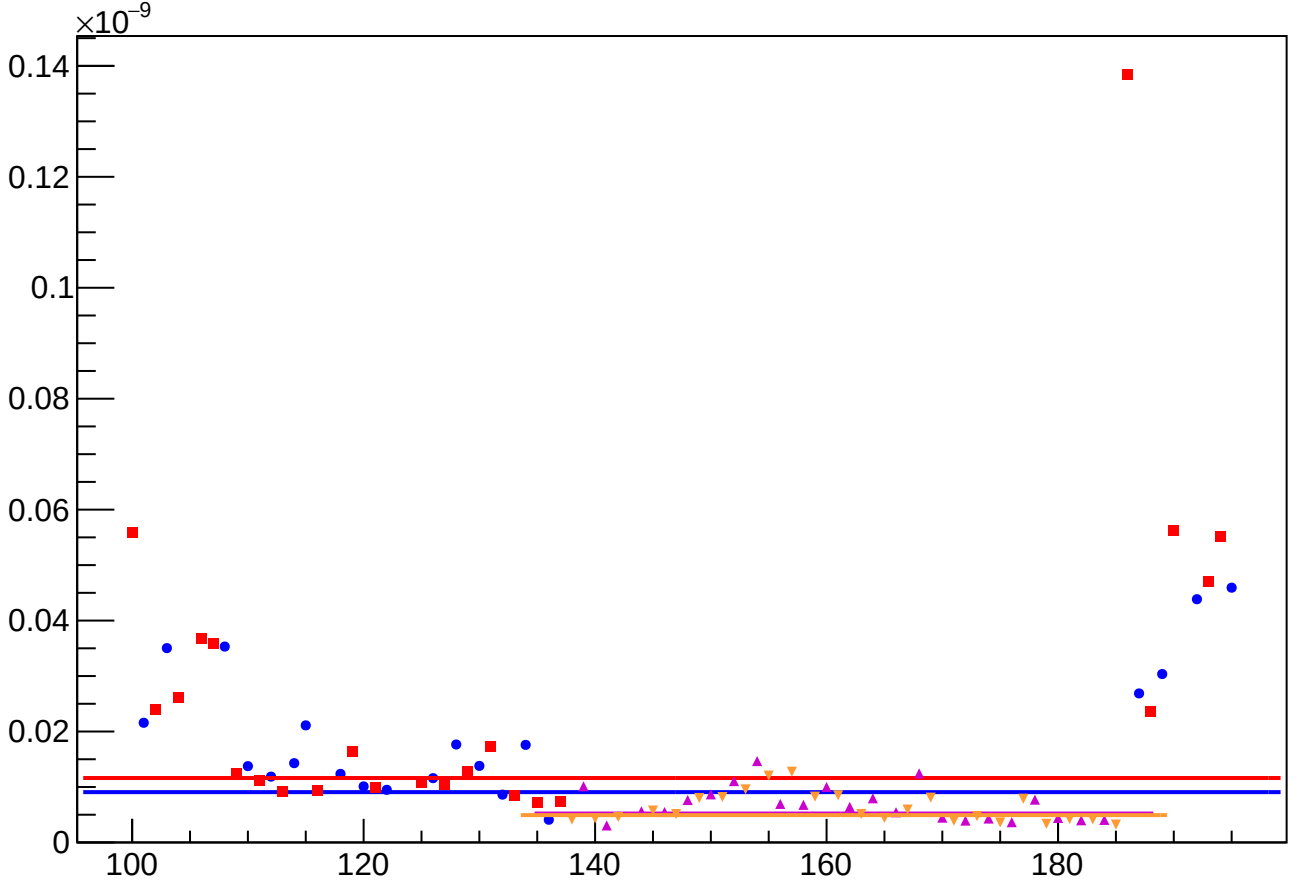
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/22

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: 93.5/89

- sign 0.000+/-0.000 χ^2/NDF: 53.3/45



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: 3525031.8/22

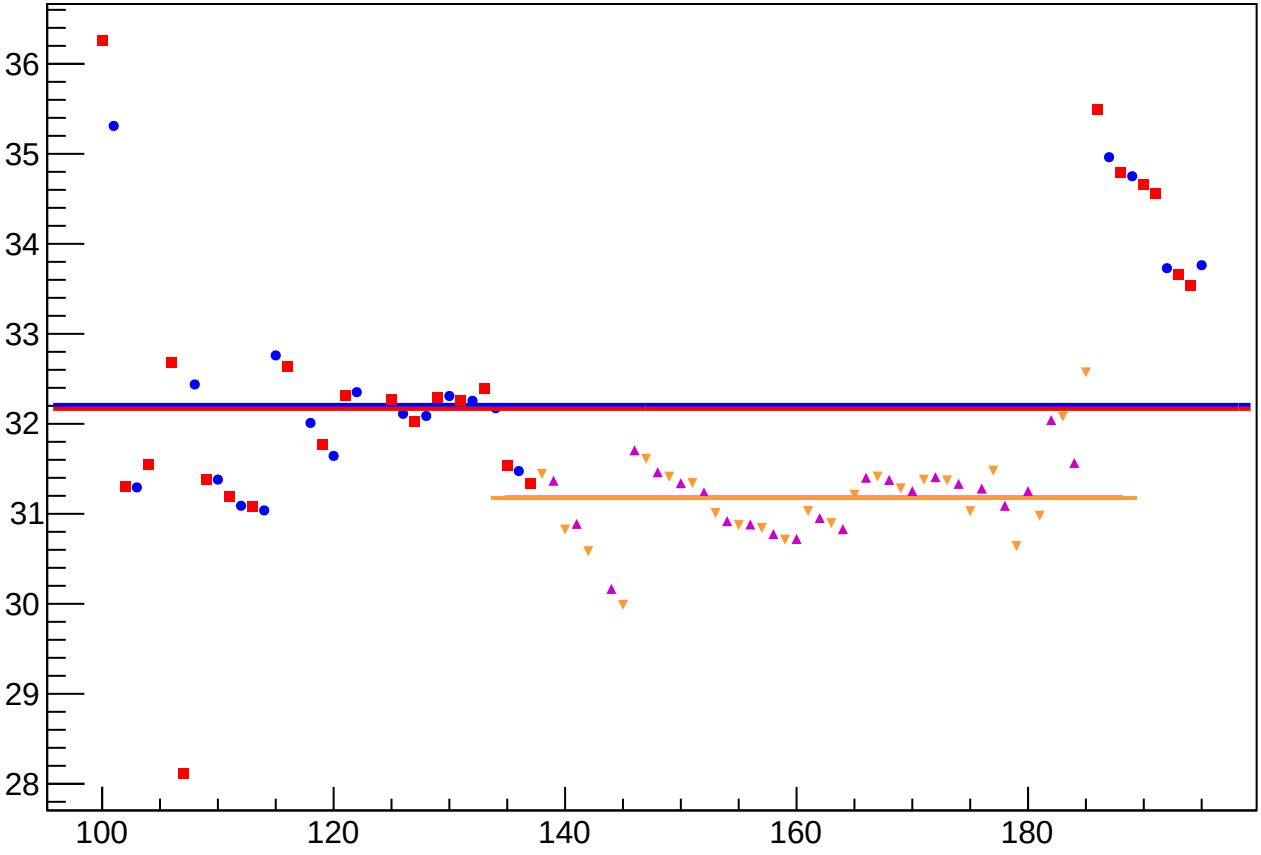
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8562121.1/43

All: 0.000+/-0.000 χ^2/NDF: 18096548.5/89

- sign 0.000+/-0.000 χ^2/NDF: 9466487.0/45

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

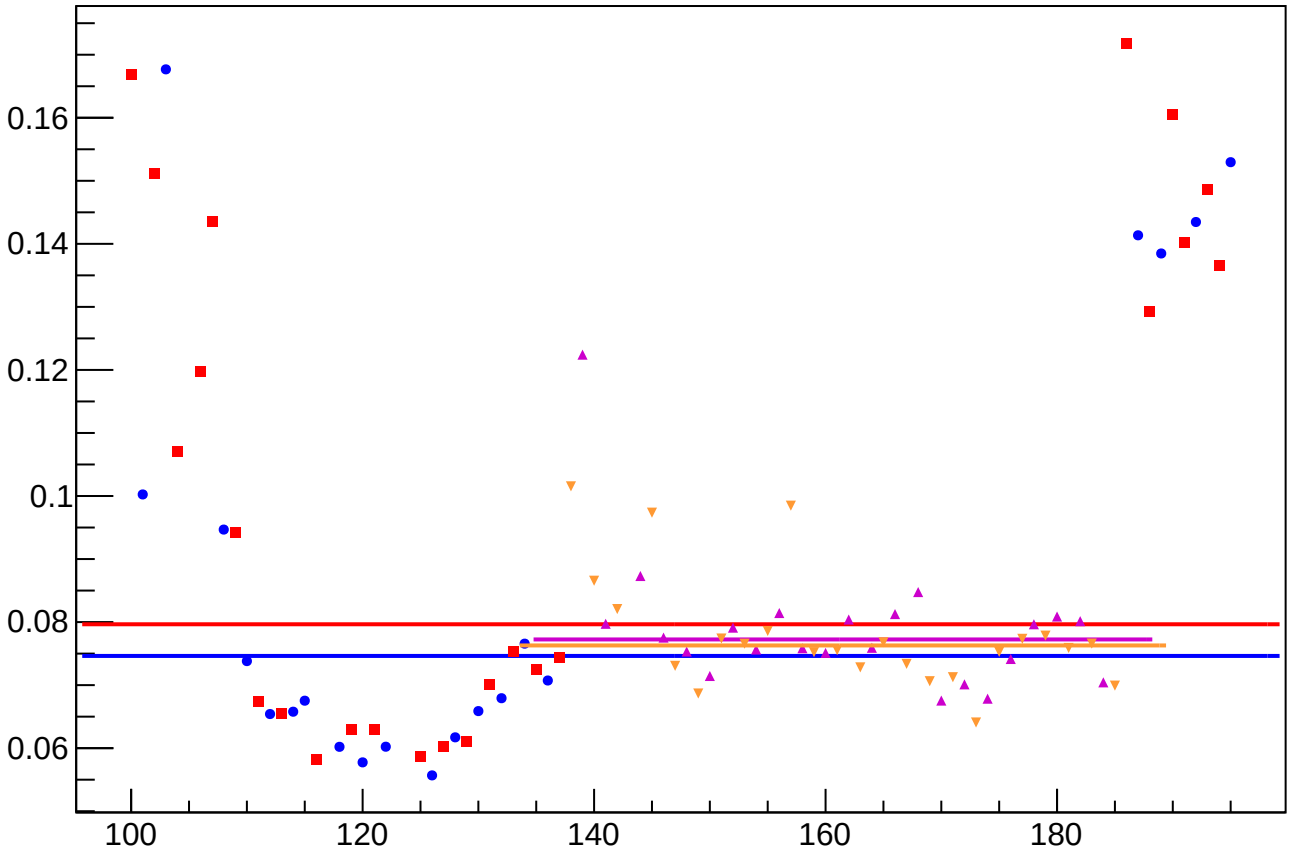
Right Out: 32.166+/-0.000 χ^2/NDF: 1454889768.5/23

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.523+/-0.000 χ^2/NDF: 2930690988.6/43

All: 31.519+/-0.000 χ^2/NDF: 5672687008.5/9

- sign 31.515+/-0.000 χ^2/NDF: 2741830115.3/46



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: 0.080+/-0.000 χ^2/NDF: 2467223.7/23

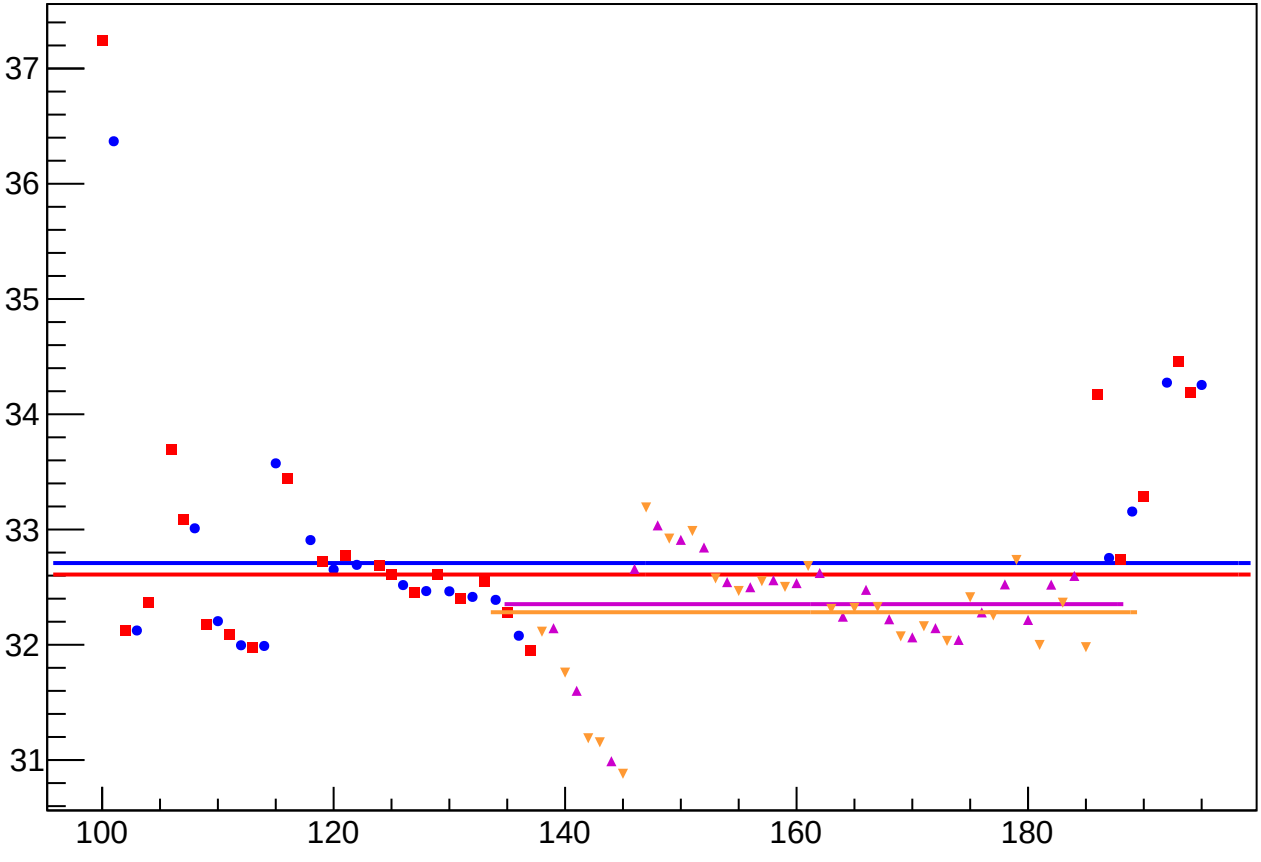
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.076+/-0.000 χ^2/NDF: 2351867.9/43

All: 0.077+/-0.000 χ^2/NDF: 5218214.2/90

- sign 0.078+/-0.000 χ^2/NDF: 2843308.3/46

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: 32.609+/-0.000 χ^2/NDF: 340688651.0/23

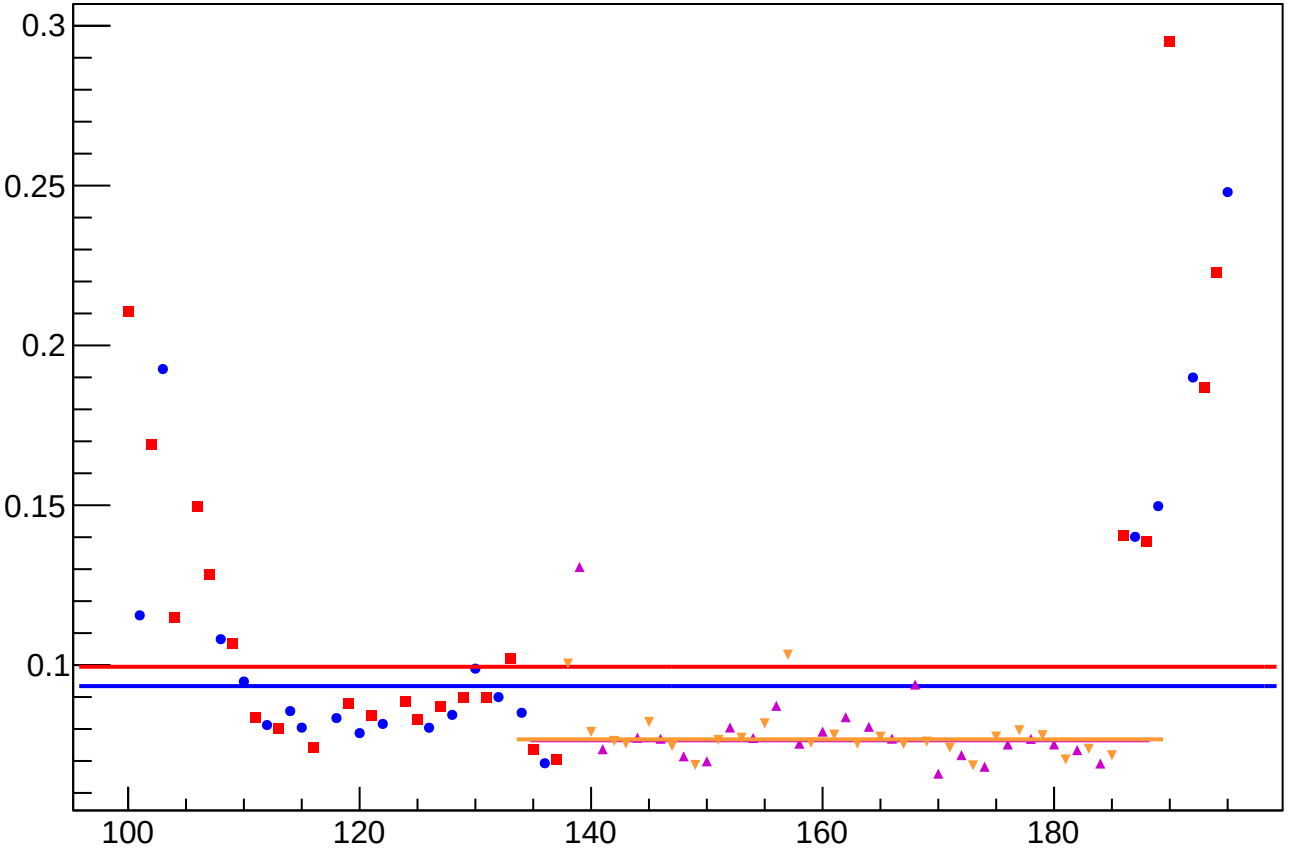
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.382+/-0.000 χ^2/NDF: 1811612506.5/44

All: 32.398+/-0.000 χ^2/NDF: 2789524799.0/9

- sign 32.414+/-0.000 χ^2/NDF: 975952227.9/46

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: 0.099+/-0.000 χ^2/NDF: 2138945.4/23

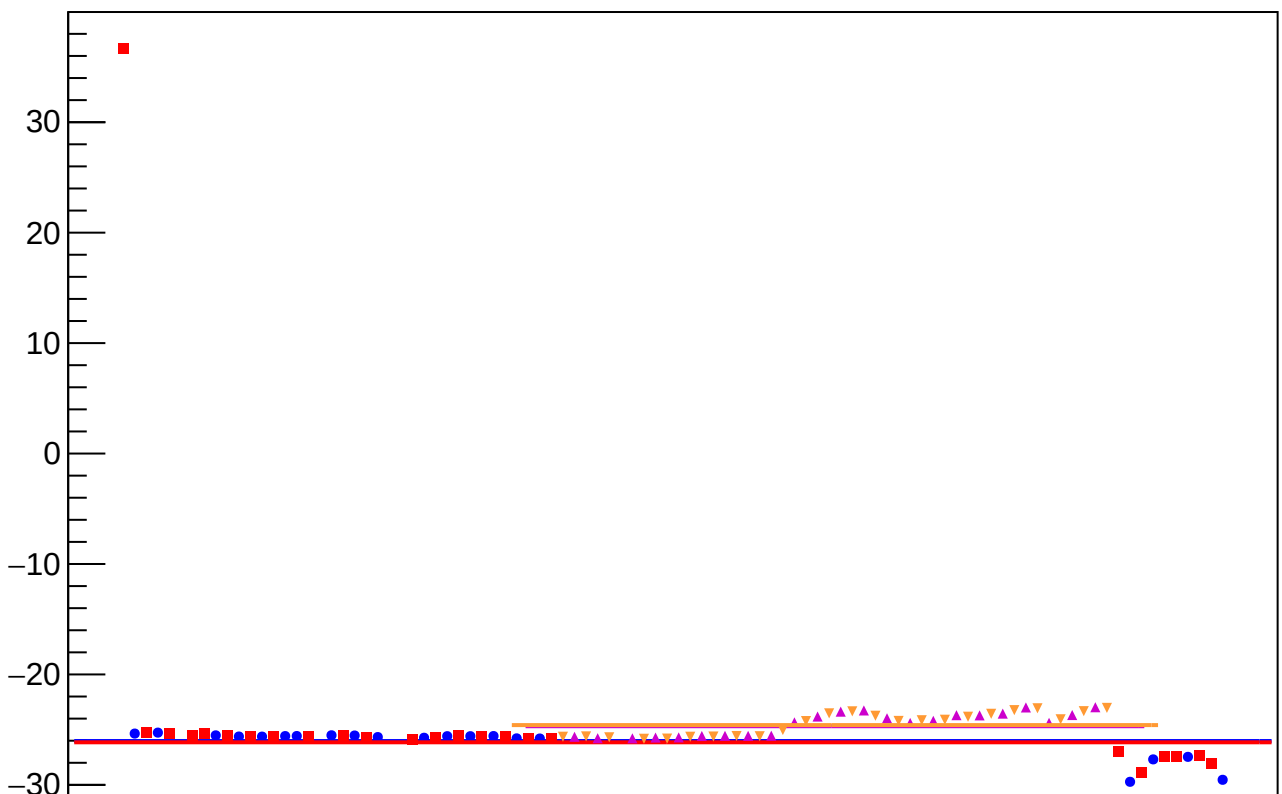
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.081+/-0.000 χ^2/NDF: 2602156.8/44

All: 0.081+/-0.000 χ^2/NDF: 5957341.6/91

- sign 0.082+/-0.000 χ^2/NDF: 3348627.5/46

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: -26.145+/-0.000 χ^2/NDF: 15242199102.4/23

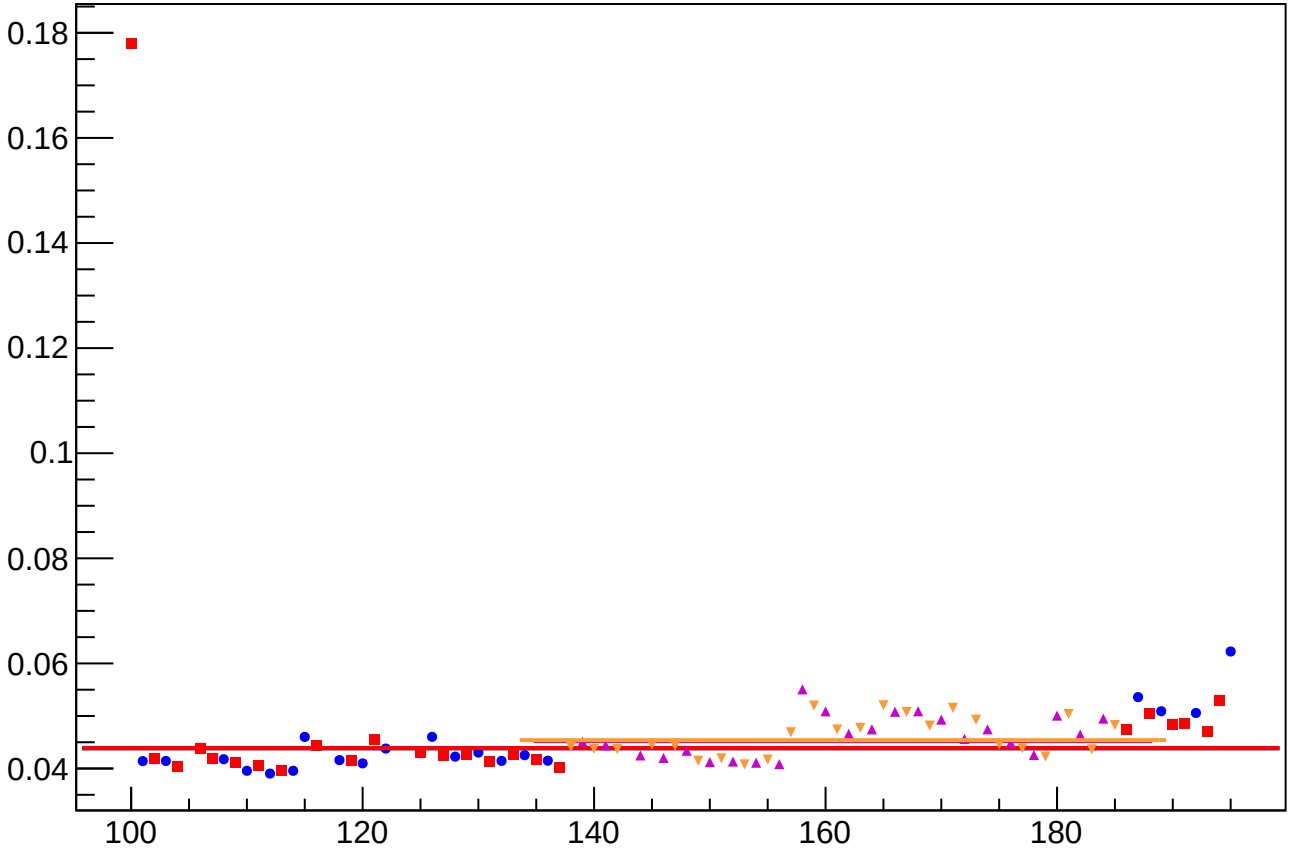
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.111+/-0.000 χ^2/NDF: 21571072128.8/43

All: -25.185+/-0.000 χ^2/NDF: 52989492446.1

- sign -25.257+/-0.000 χ^2/NDF: 31268723722.4/46

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: 0.044+/-0.000 χ^2/NDF: 238026.5/23

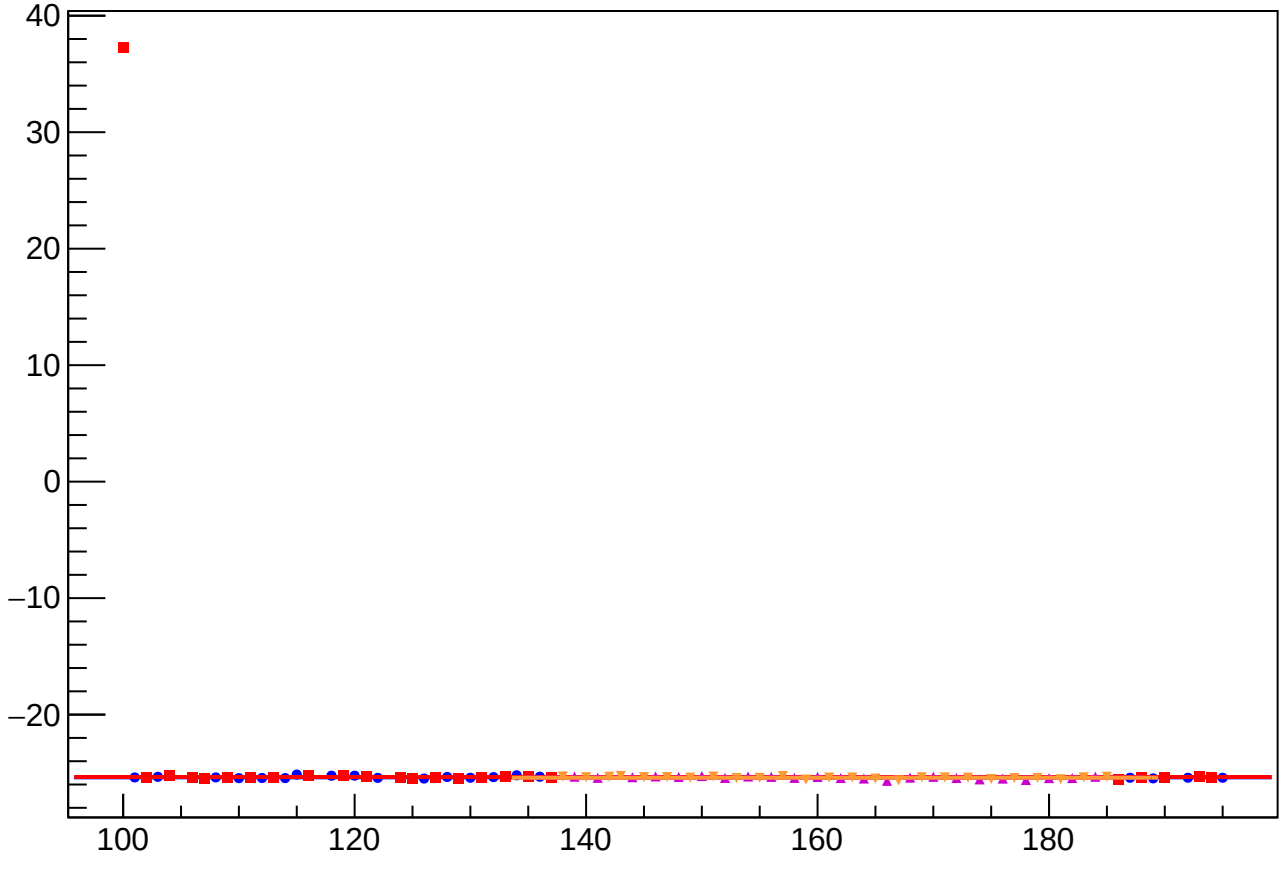
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 490400.5/43

All: 0.045+/-0.000 χ^2/NDF: 984737.9/90

- sign 0.045+/-0.000 χ^2/NDF: 494093.0/46

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: -25.357+/-0.000 χ^2/NDF: 6327069001.3/23

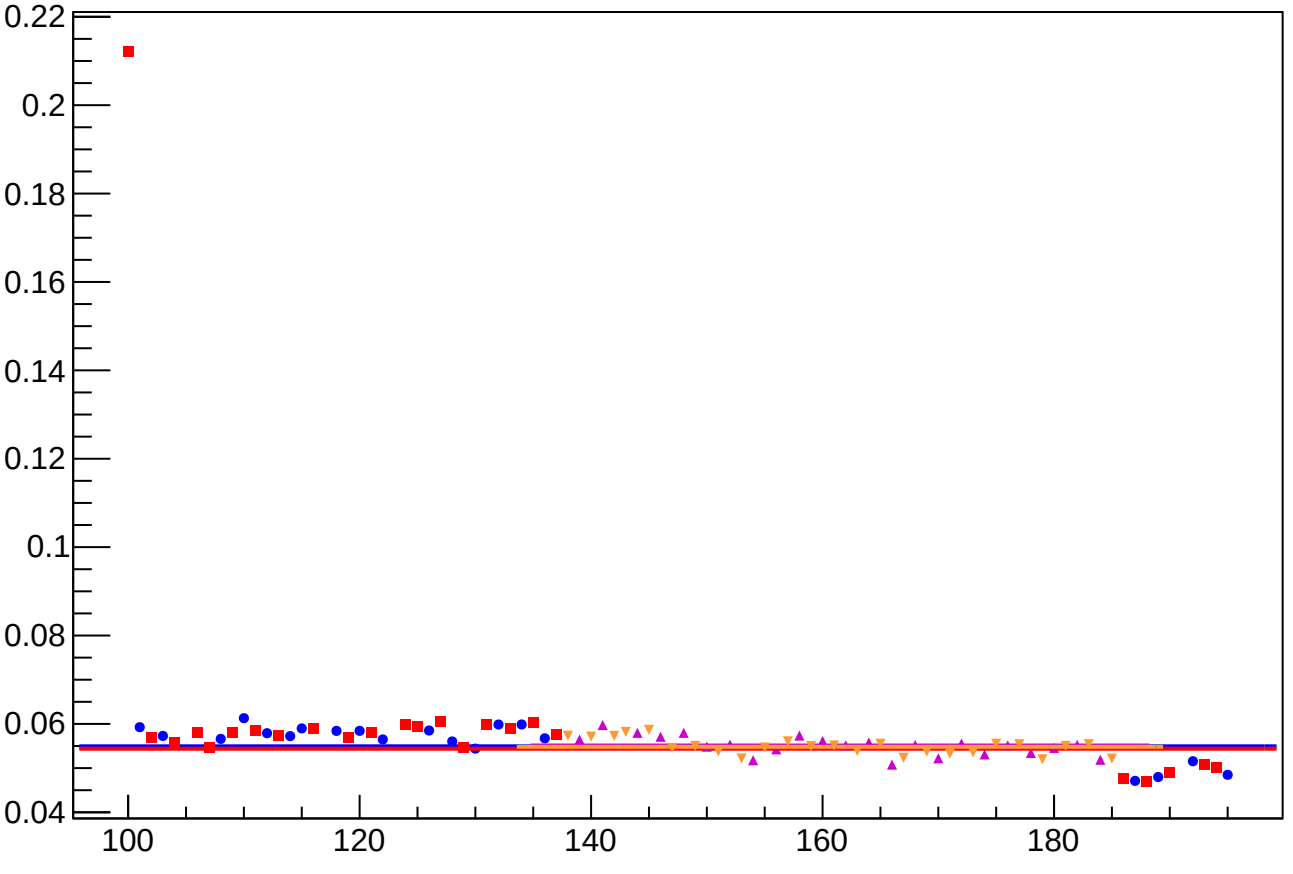
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.406+/-0.000 χ^2/NDF: 71778499.8/44

All: -25.399+/-0.000 χ^2/NDF: 6462697433.6/

- sign -25.393+/-0.000 χ^2/NDF: 6390121127.3/46

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: 237535.6/23

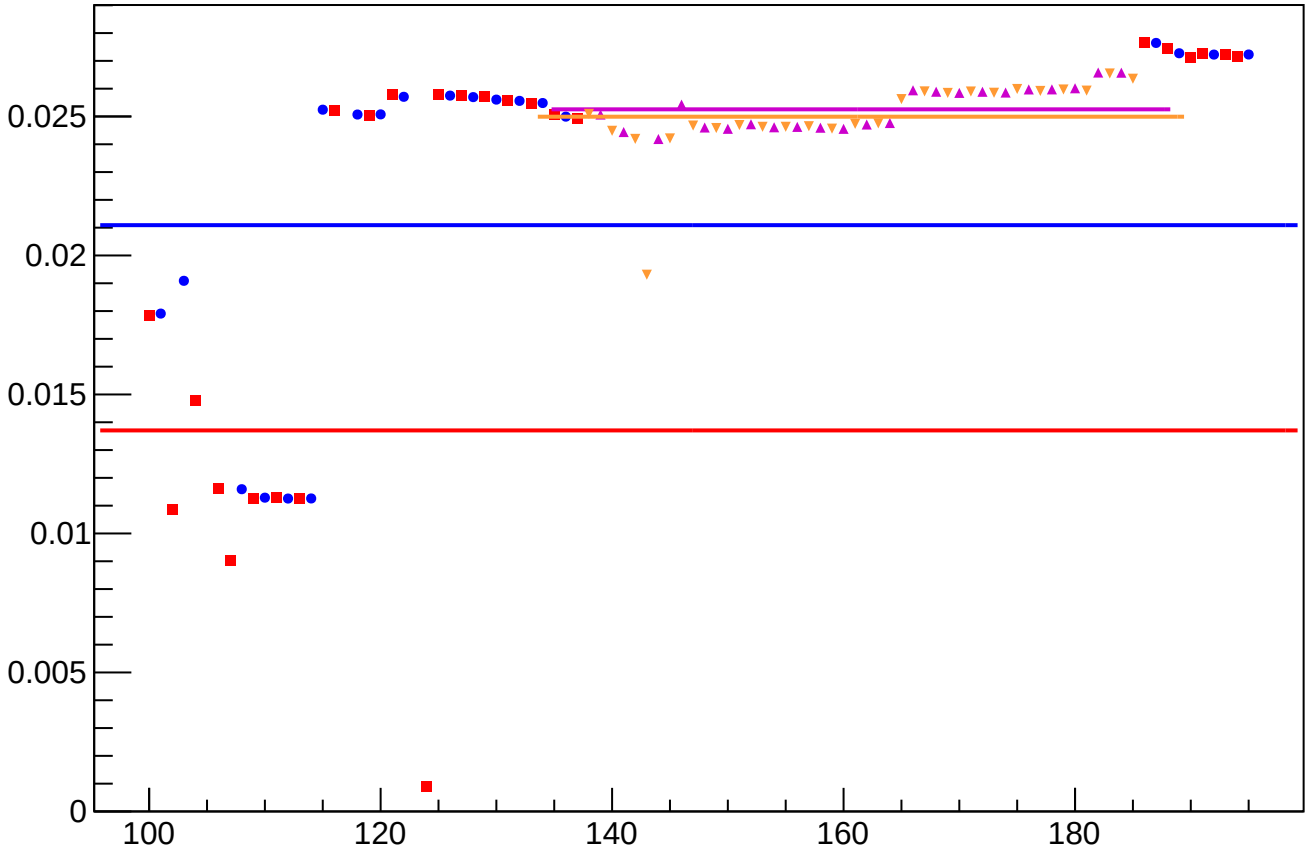
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 152927.6/44

All: 0.055+/-0.000 χ^2/NDF: 444318.8/91

- sign 0.055+/-0.000 χ^2/NDF: 291386.3/46

yield_atl1_mean vs Slug



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: 344466581724.0/24

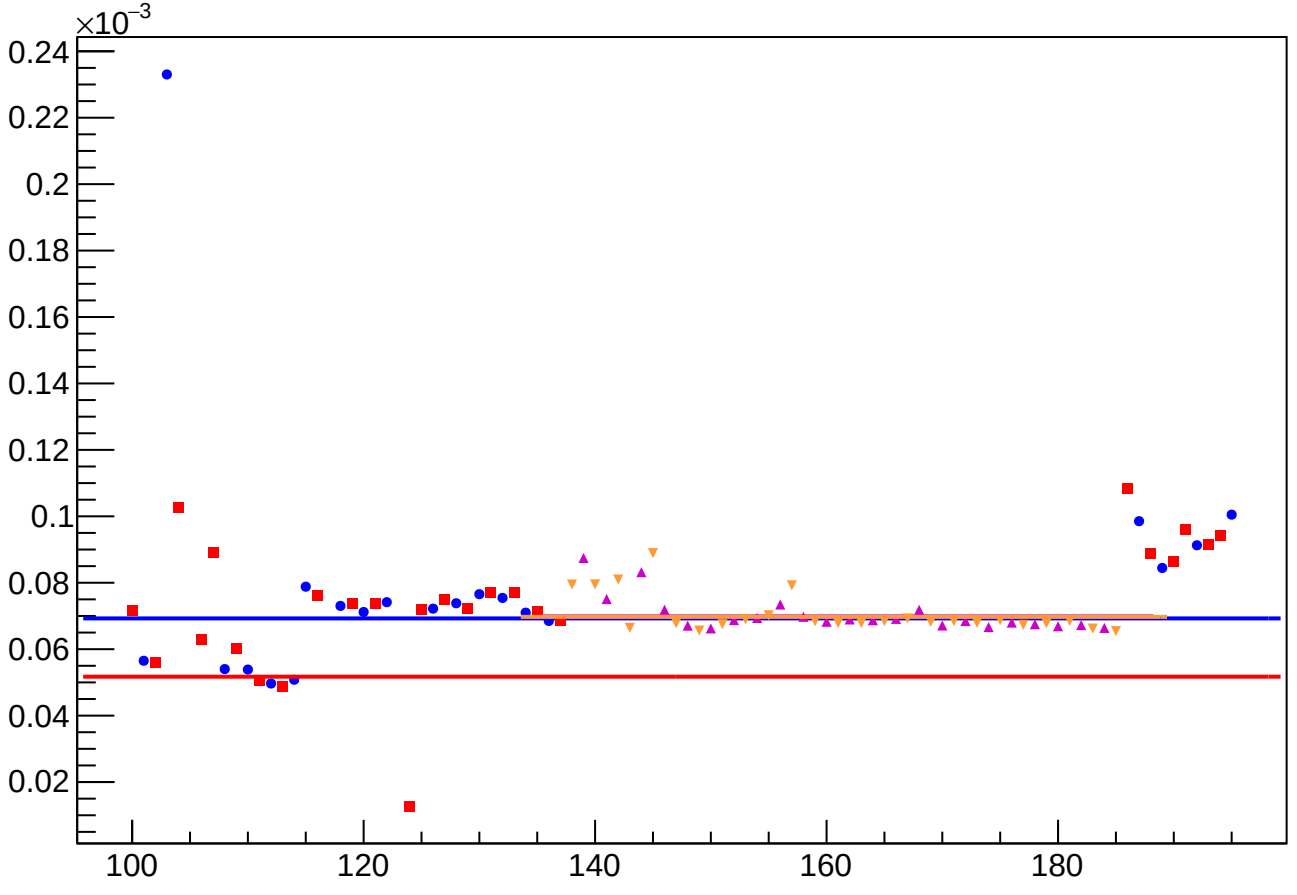
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 102651077334.9/44

All: 0.022+/-0.000 χ^2/NDF: 707236489505.4

- sign 0.020+/-0.000 χ^2/NDF: 564525820545.9/47

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

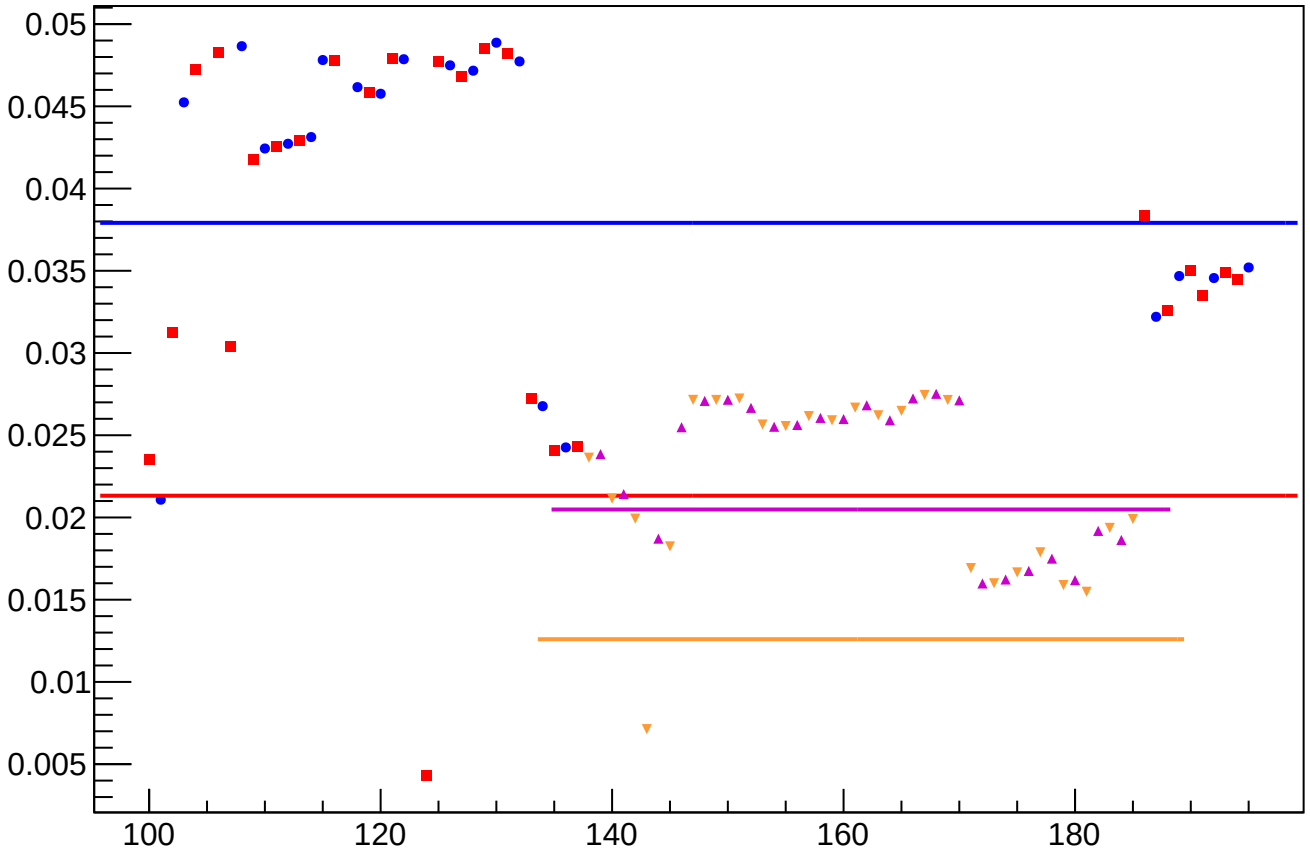
Right Out: 0.000+/-0.000 χ^2/NDF: 5431773.5/24

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: 8440937.6/92

- sign 0.000+/-0.000 χ^2/NDF: 6661883.8/47



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: 44386961589.1/24

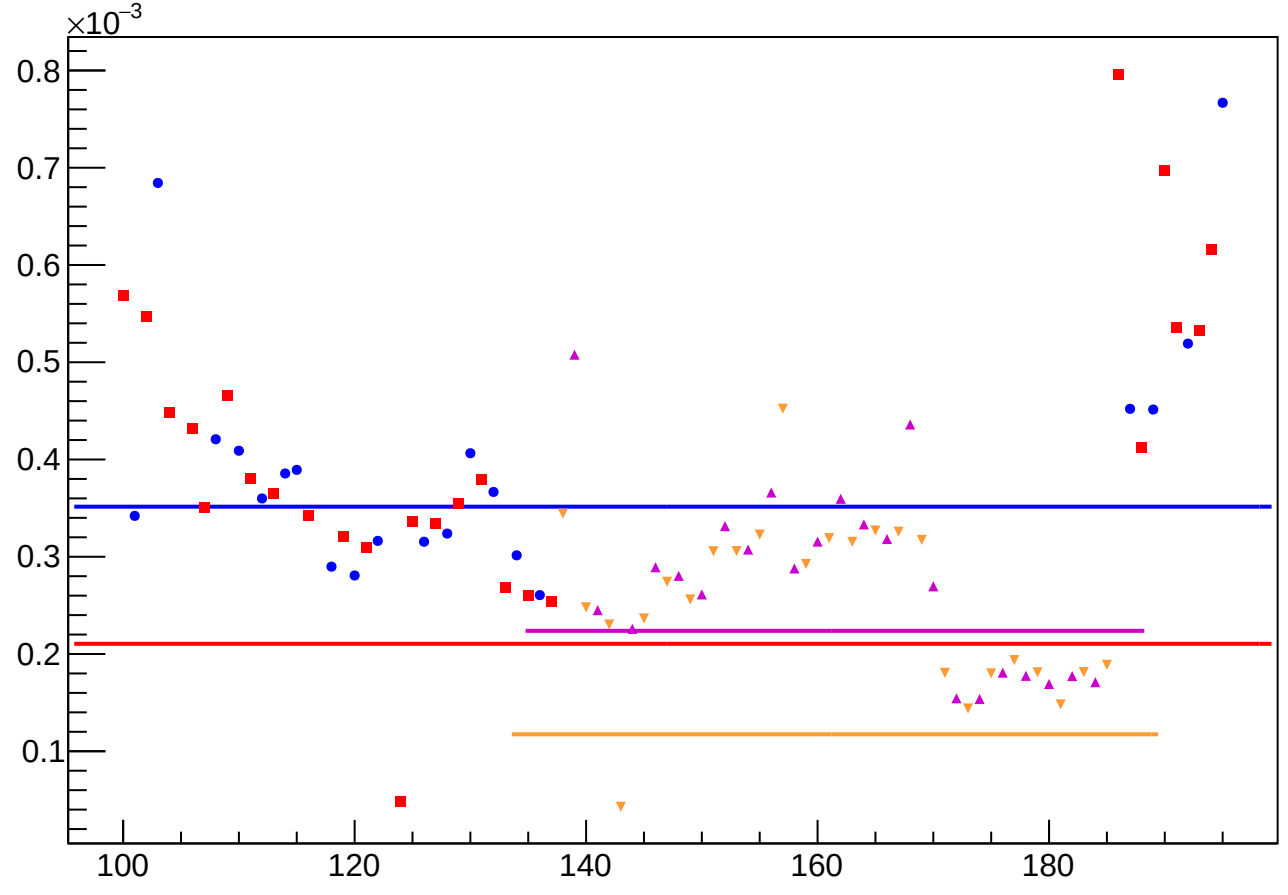
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 84108780428.8/44

All: 0.017+/-0.000 χ^2/NDF: 145154393318.2

- sign 0.021+/-0.000 χ^2/NDF: 50552379991.2/47

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

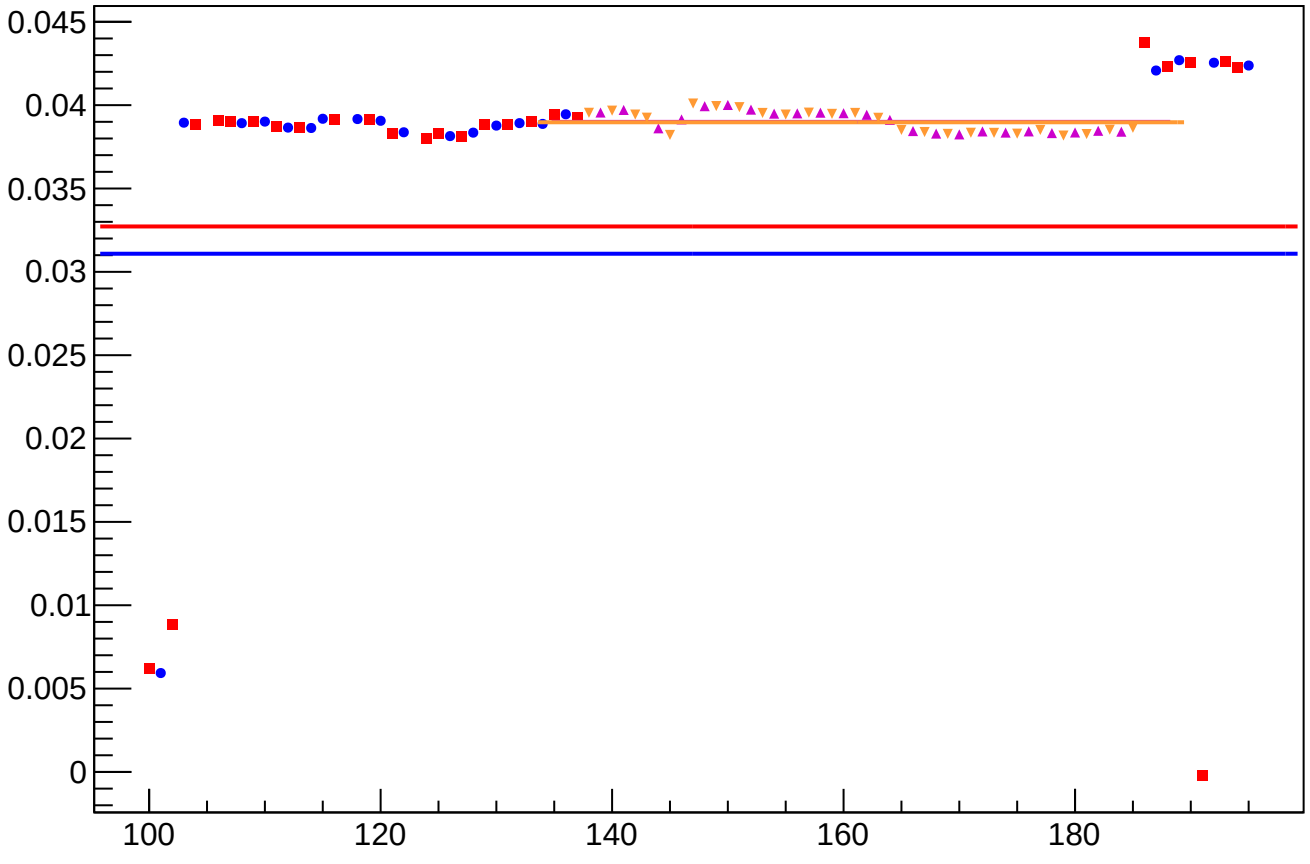
Right Out: 0.000+/-0.000 χ^2/NDF: 8580100.2/24

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: 38476317.5/92

- sign 0.000+/-0.000 χ^2/NDF: 12001366.8/47



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: 110270244368.7/24

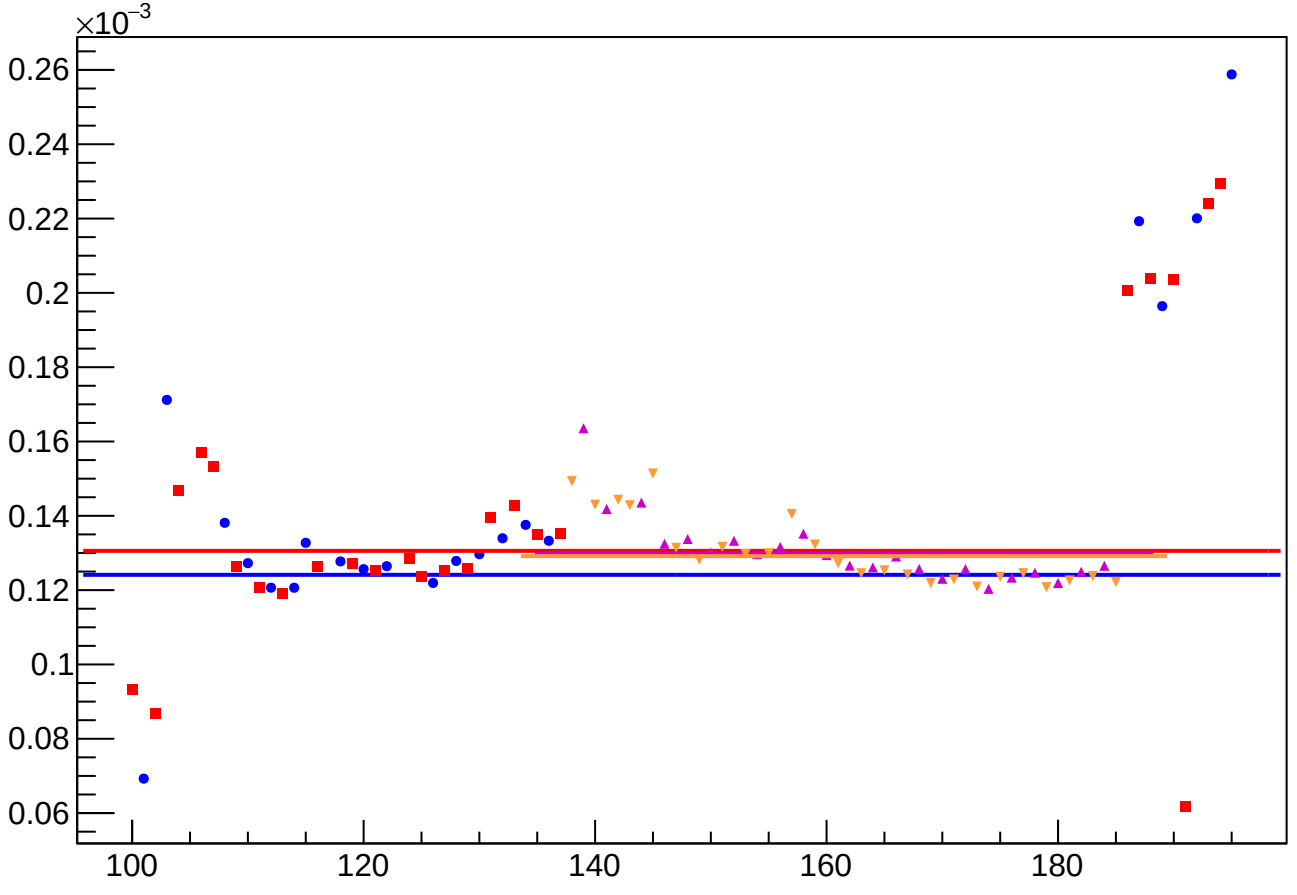
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 139031527406.0/44

All: 0.037+/-0.000 χ^2/NDF: 264438113150.8

- sign 0.037+/-0.000 χ^2/NDF: 125249432516.0/47

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: 1789105.8/24

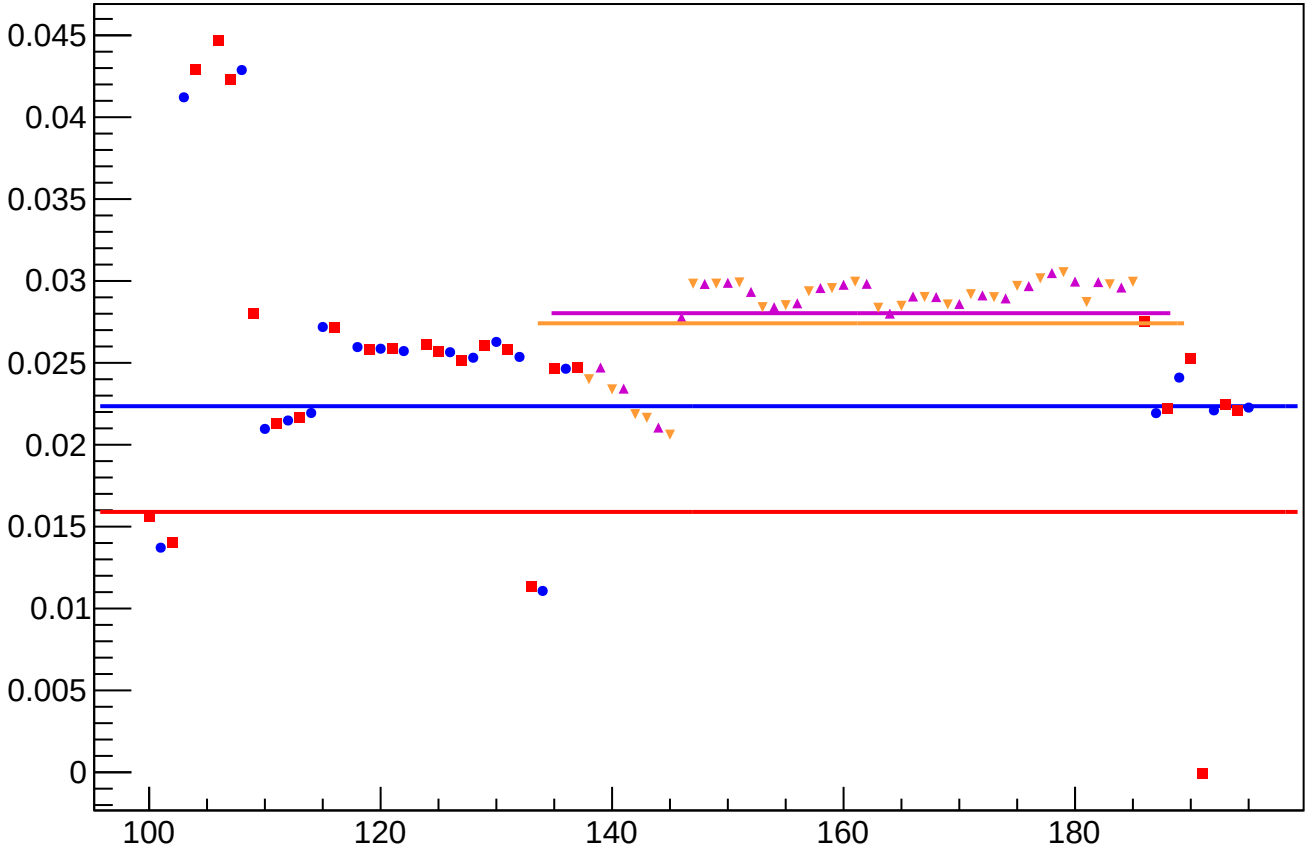
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 2148865.9/44

All: 0.000+/-0.000 χ^2/NDF: 4091169.1/92

- sign 0.000+/-0.000 χ^2/NDF: 1931408.0/47

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

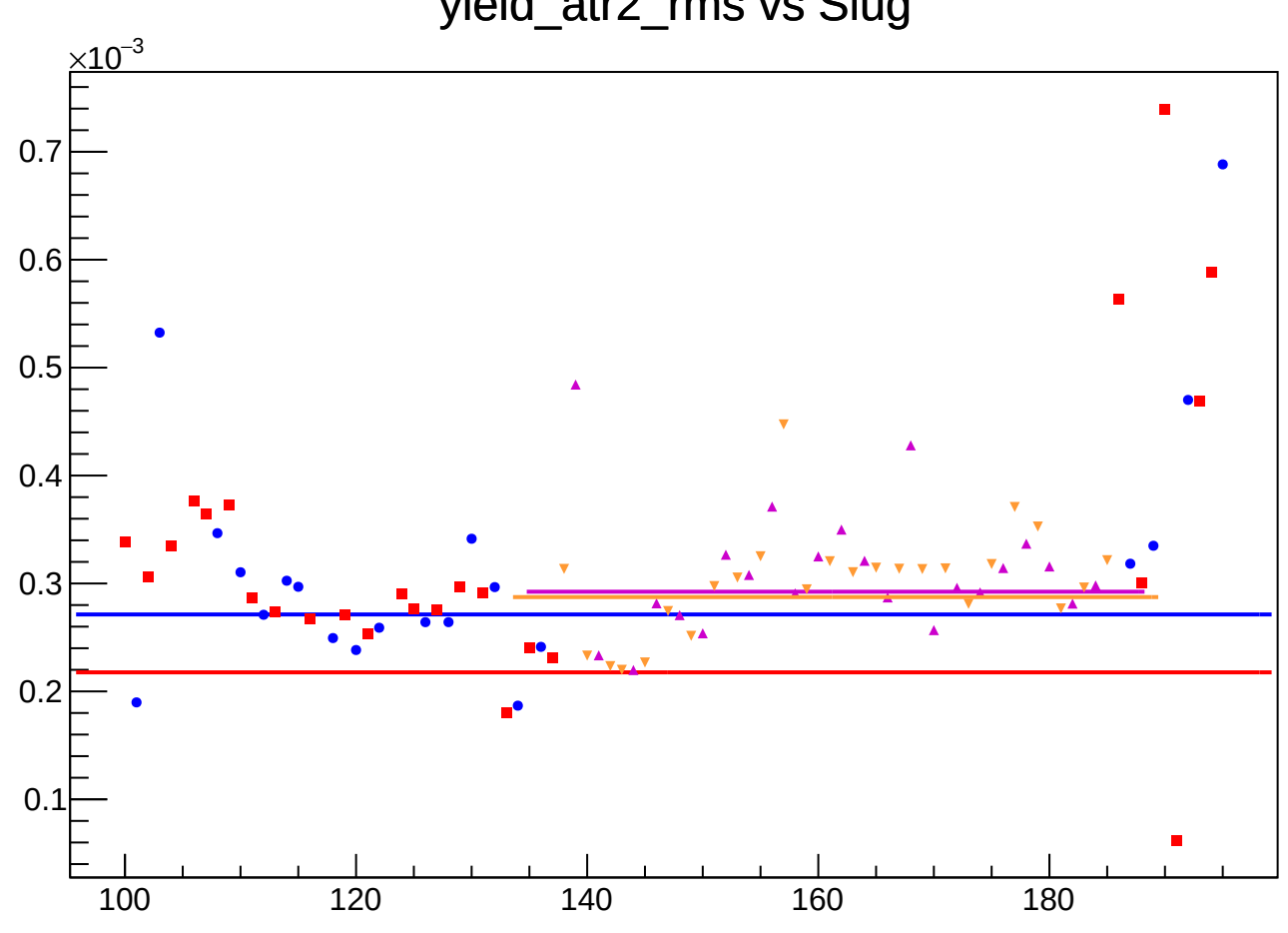
Right Out: 0.016+/-0.000 χ^2/NDF: 24852221852.6/24

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: 49768369959.9/9

- sign 0.023+/-0.000 χ^2/NDF: 39088545005.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 1728022.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

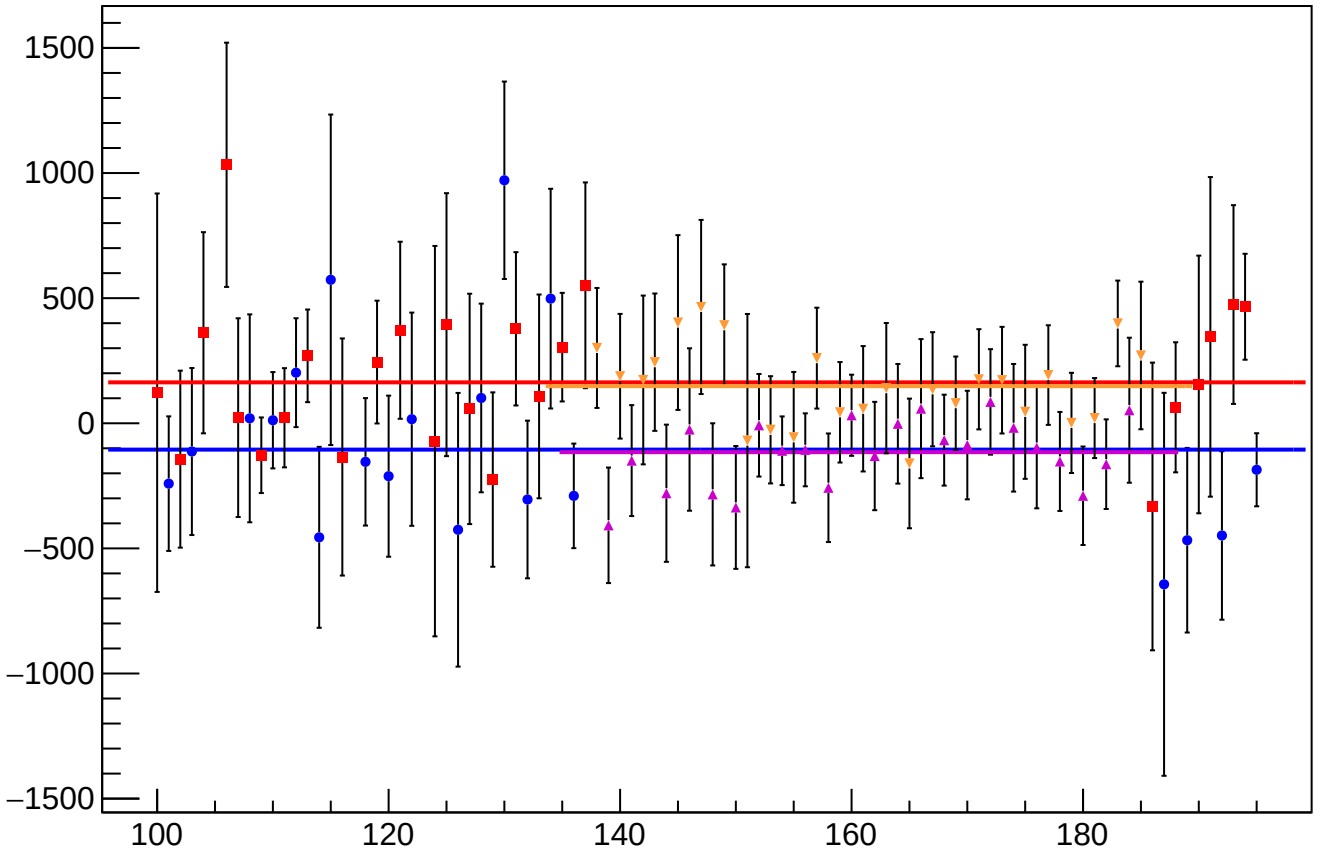
Right Out: 0.000+/-0.000 χ^2/NDF: 5294757.7/24

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: 9994157.4/92

- sign 0.000+/-0.000 χ^2/NDF: 7231620.5/47



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: 163.505+/-61.018 χ^2/NDF: 16.7/24

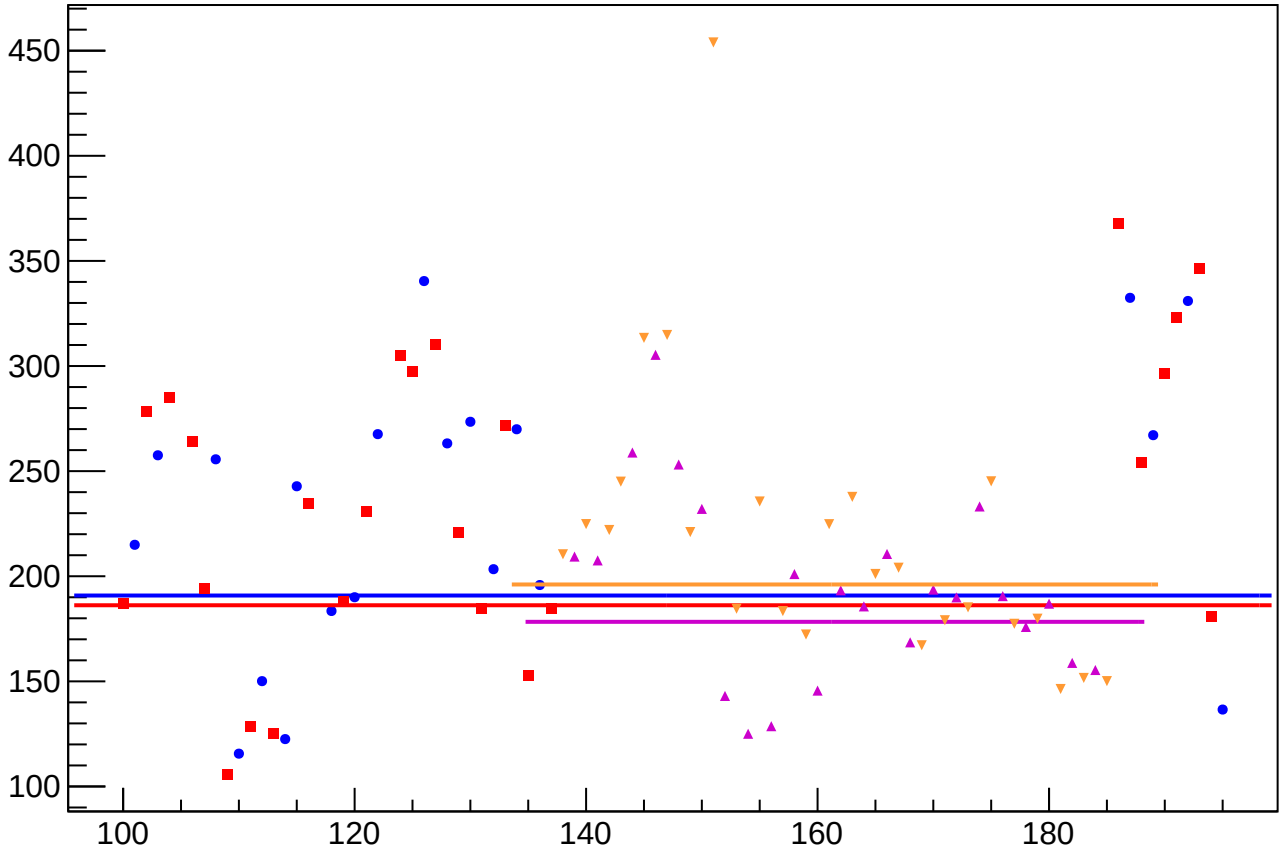
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 63.054+/-37.658 χ^2/NDF: 39.4/44

All: 18.351+/-25.815 χ^2/NDF: 80.4/92

- sign -21.279+/-35.457 χ^2/NDF: 38.3/47

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

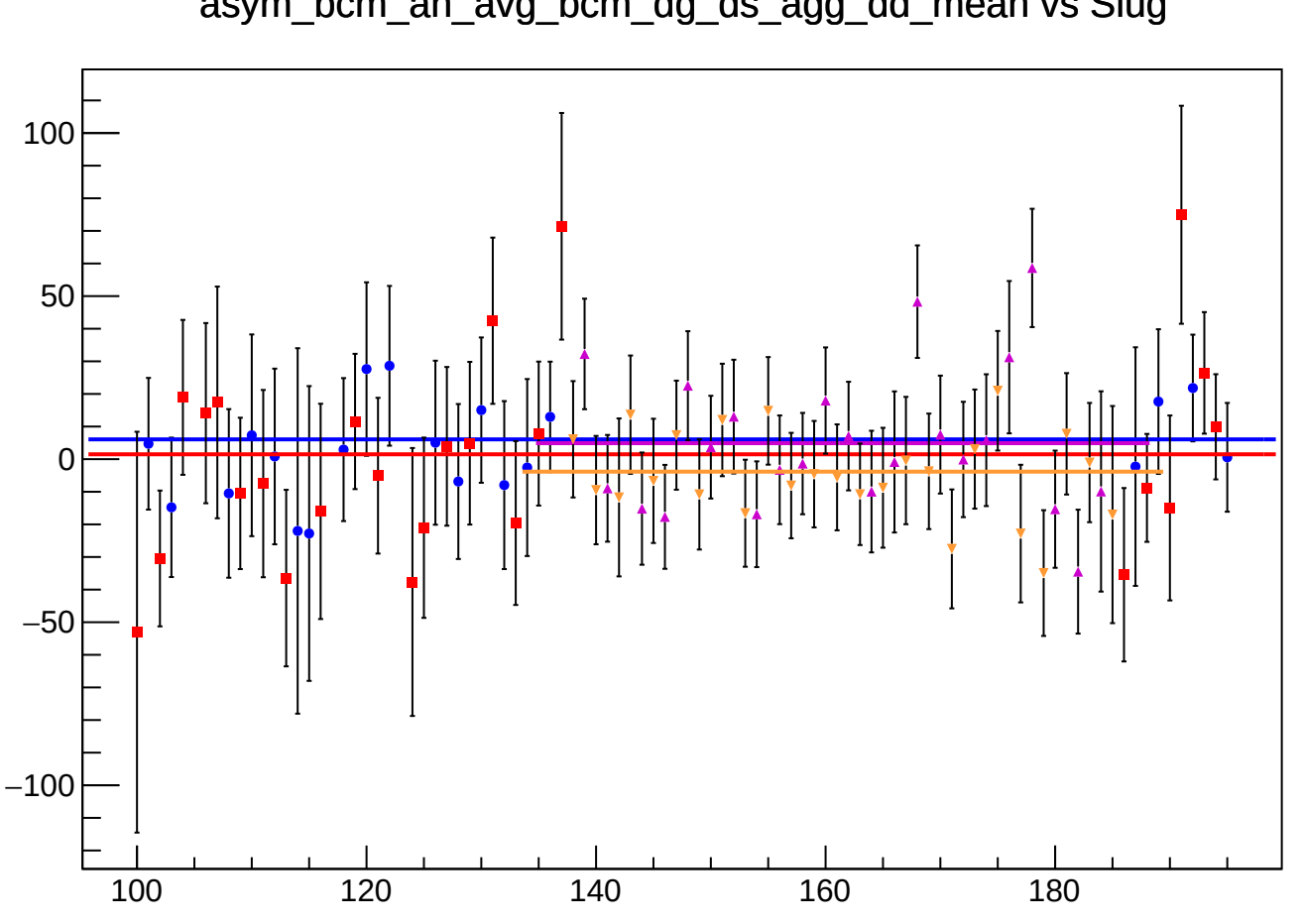
Right Out: 186.201+/-0.043 χ^2/NDF: 2597961.9/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.320+/-0.027 χ^2/NDF: 3654959.6/44

All: 187.249+/-0.018 χ^2/NDF: 8086407.5/92

- sign 180.980+/-0.025 χ^2/NDF: 4298408.1/47



Right In: 6.071+/-5.244 χ^2/NDF: 6.0/19

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

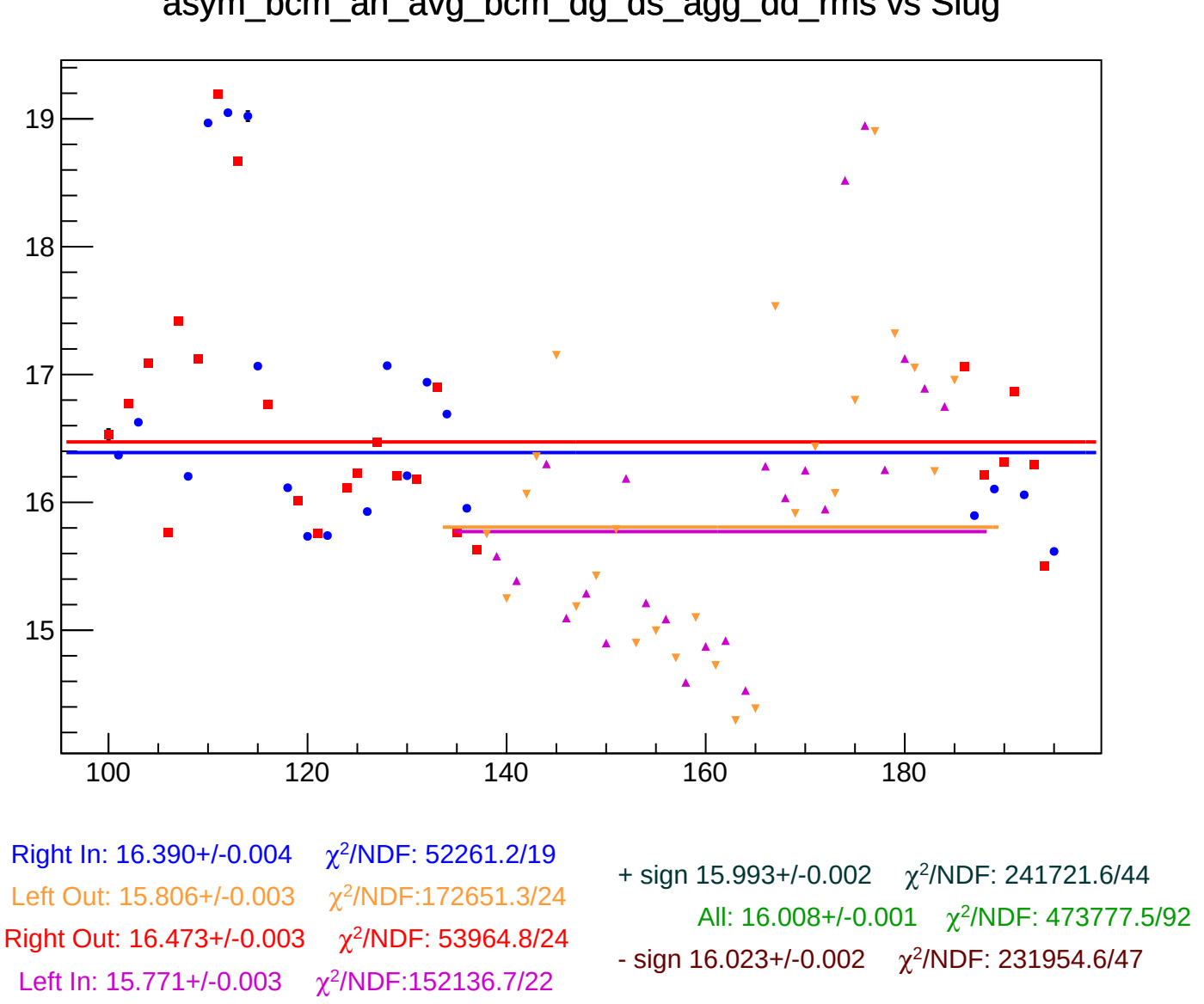
Right Out: 1.491+/-4.938 χ^2/NDF: 25.6/24

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

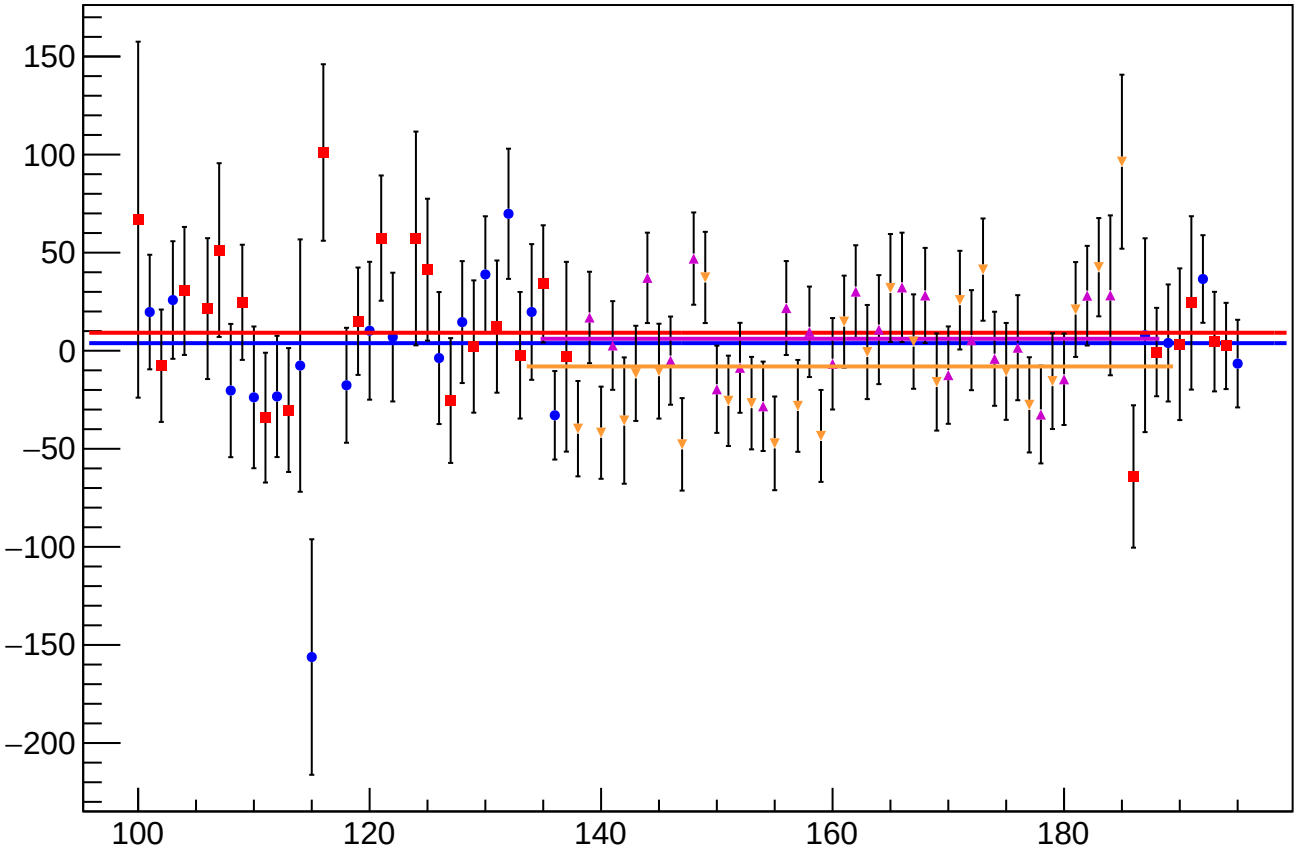
\+ sign -0.659+/-2.969 χ^2/NDF: 21.3/44

All: 1.518+/-2.096 χ^2/NDF: 82.1/92

\- sign 3.678+/-2.959 χ^2/NDF: 59.8/47


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
17
16
15
100
120
140
160
180
Right In: 16.390+/-0.004 χ²/NDF: 52261.2/19
Left Out: 15.806+/-0.003 χ²/NDF:172651.3/24
Right Out: 16.473+/-0.003 χ²/NDF: 53964.8/24
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: 473777.5/92
- sign 16.023+/-0.002 χ²/NDF: 231954.6/47

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



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: 9.158+/-6.546 χ^2/NDF: 20.5/24

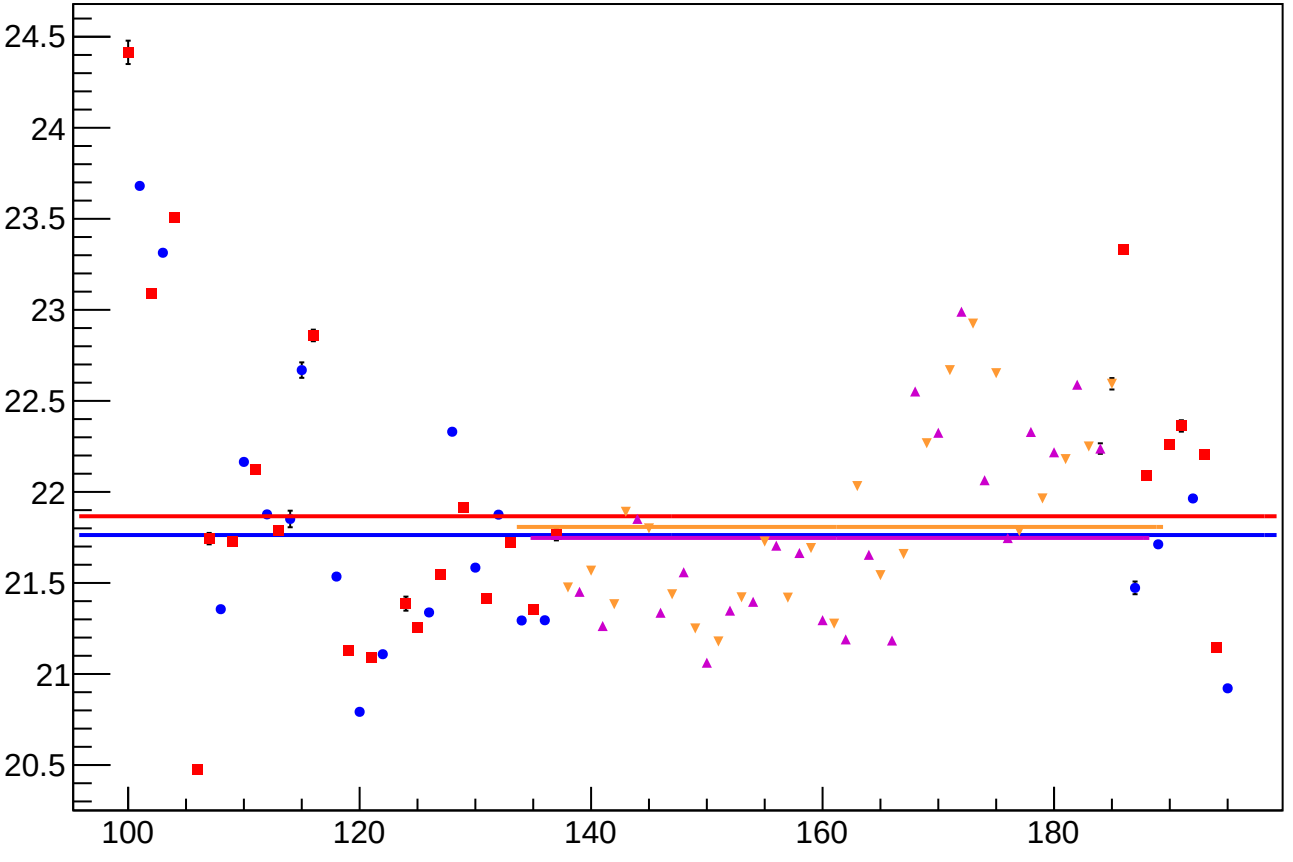
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -4.014+/-4.035 χ^2/NDF: 62.0/44

All: 1.644+/-2.846 χ^2/NDF: 104.4/92

\- sign 7.241+/-4.013 χ^2/NDF: 38.5/47

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

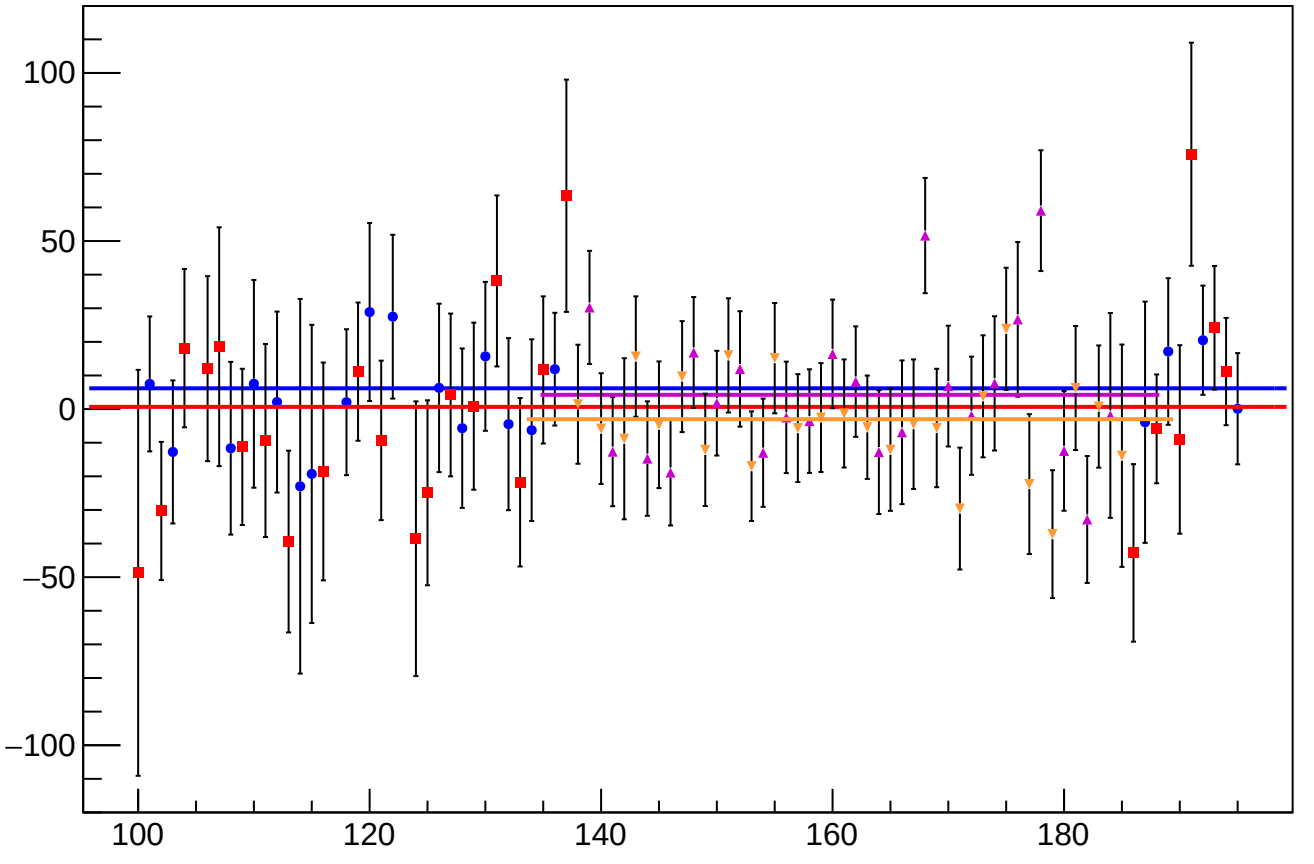
Right Out: 21.866+/-0.005 χ^2/NDF: 25439.5/24

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.793+/-0.003 χ^2/NDF: 40441.7/44

All: 21.792+/-0.002 χ^2/NDF: 86855.0/92

- sign 21.792+/-0.003 χ^2/NDF: 46413.3/47



Right In: 6.184+/-5.208 χ^2/NDF: 5.6/19

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

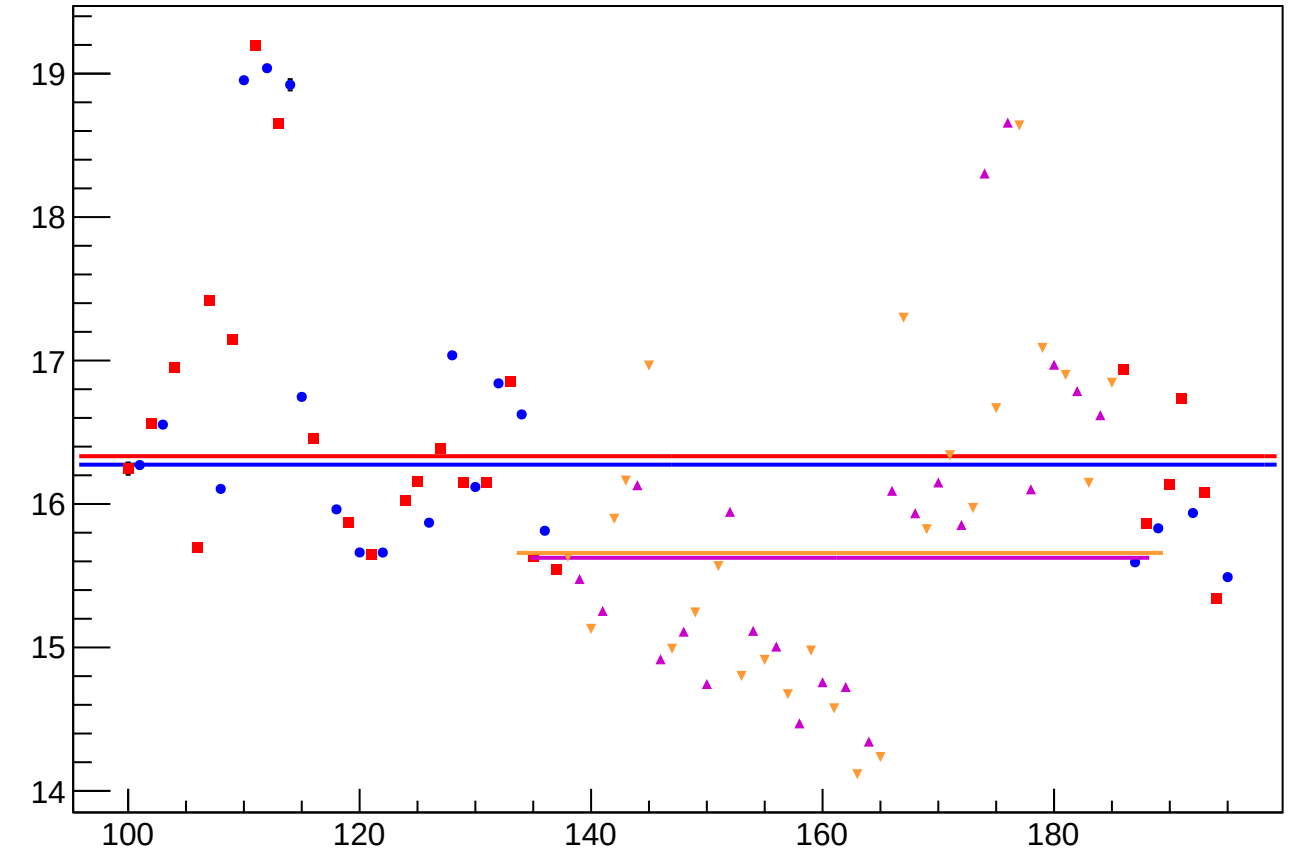
Right Out: 0.658+/-4.897 χ^2/NDF: 25.8/24

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.067+/-2.944 χ^2/NDF: 22.4/44

All: 1.453+/-2.077 χ^2/NDF: 82.9/92

- sign 2.962+/-2.932 χ^2/NDF: 60.0/47



Right In: 16.274+/-0.004 χ^2/NDF: 56443.1/19

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

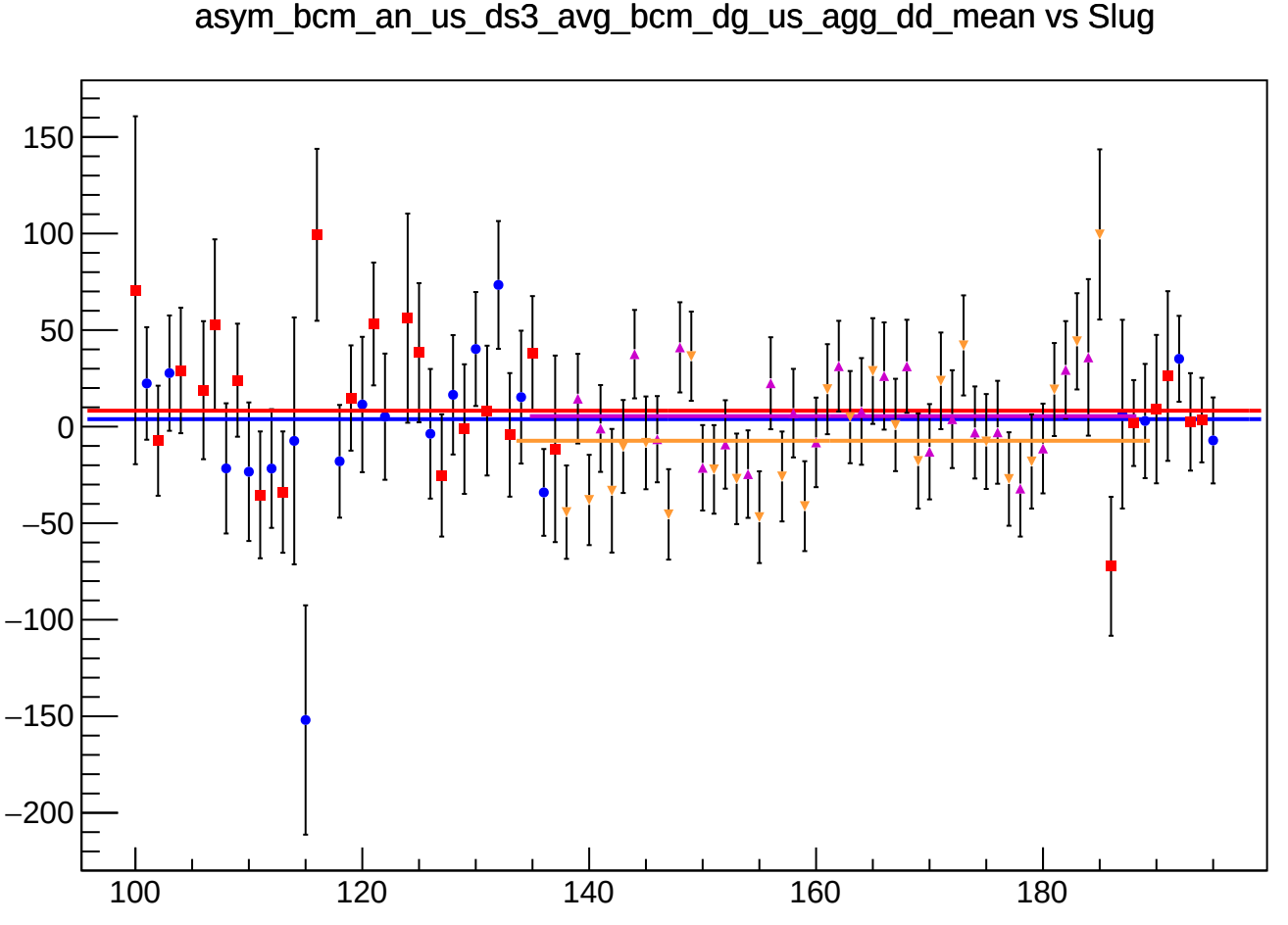
Right Out: 16.333+/-0.003 χ^2/NDF: 59784.5/24

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.856+/-0.002 χ^2/NDF: 245275.6/44

All: 15.867+/-0.001 χ^2/NDF: 482377.3/92

\- sign 15.879+/-0.002 χ^2/NDF: 237038.6/47



Right In: 3.864+/-6.919 χ^2/NDF: 21.7/19

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

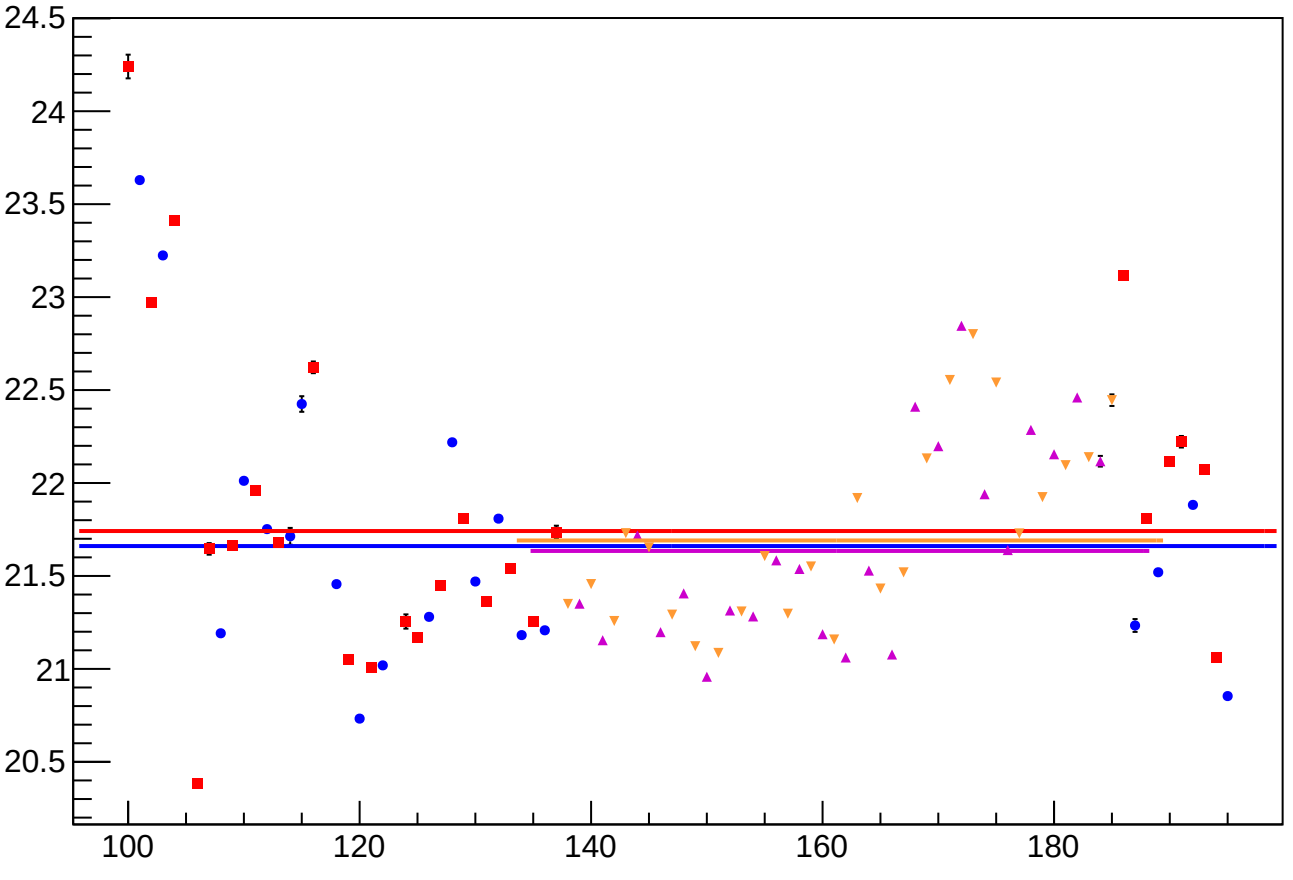
Right Out: 8.251+/-6.508 χ^2/NDF: 21.8/24

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.553+/-4.015 χ^2/NDF: 62.1/44

All: 1.499+/-2.831 χ^2/NDF: 104.4/92

- sign 6.494+/-3.992 χ^2/NDF: 39.1/47



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: 21.742+/-0.005 χ^2/NDF: 24039.7/24

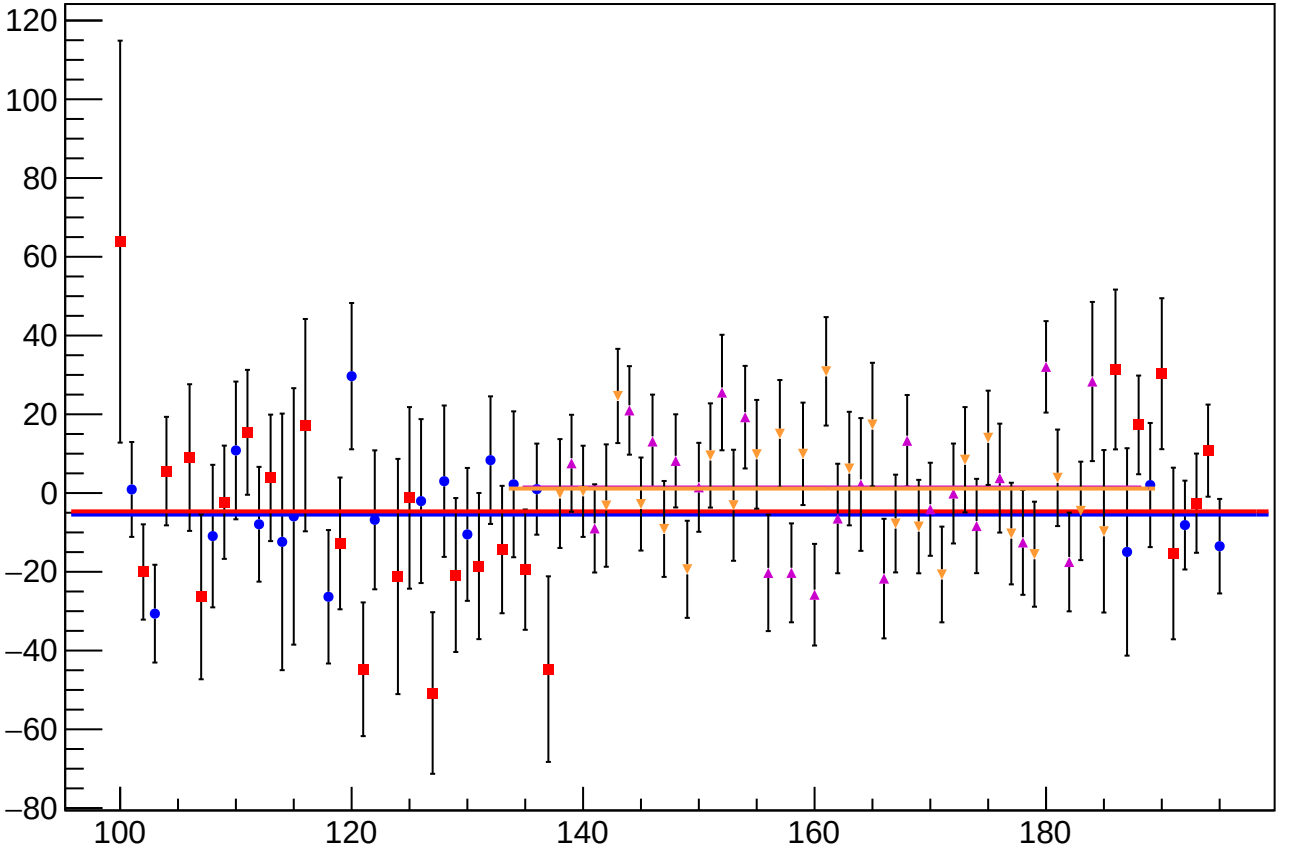
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.681+/-0.003 χ^2/NDF: 41031.0/44

All: 21.678+/-0.002 χ^2/NDF: 85972.5/92

- sign 21.675+/-0.003 χ^2/NDF: 44939.2/47

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

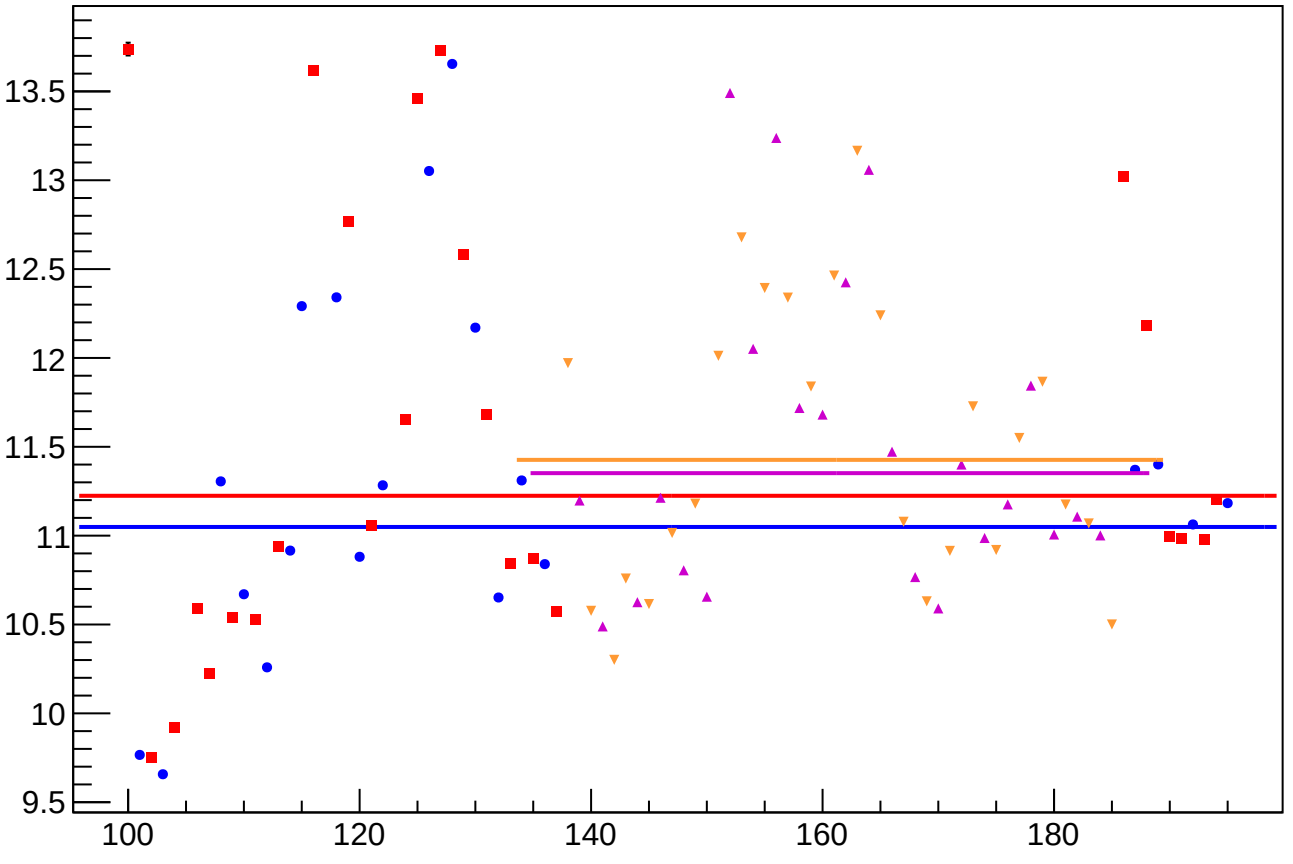
Right Out: -4.656+/-3.394 χ^2/NDF: 36.3/24

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.182+/-2.110 χ^2/NDF: 39.7/44

All: -1.048+/-1.489 χ^2/NDF: 114.3/92

- sign -0.915+/-2.100 χ^2/NDF: 74.6/47



Right In: 11.049+/-0.003 χ^2/NDF: 137997.7/19

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

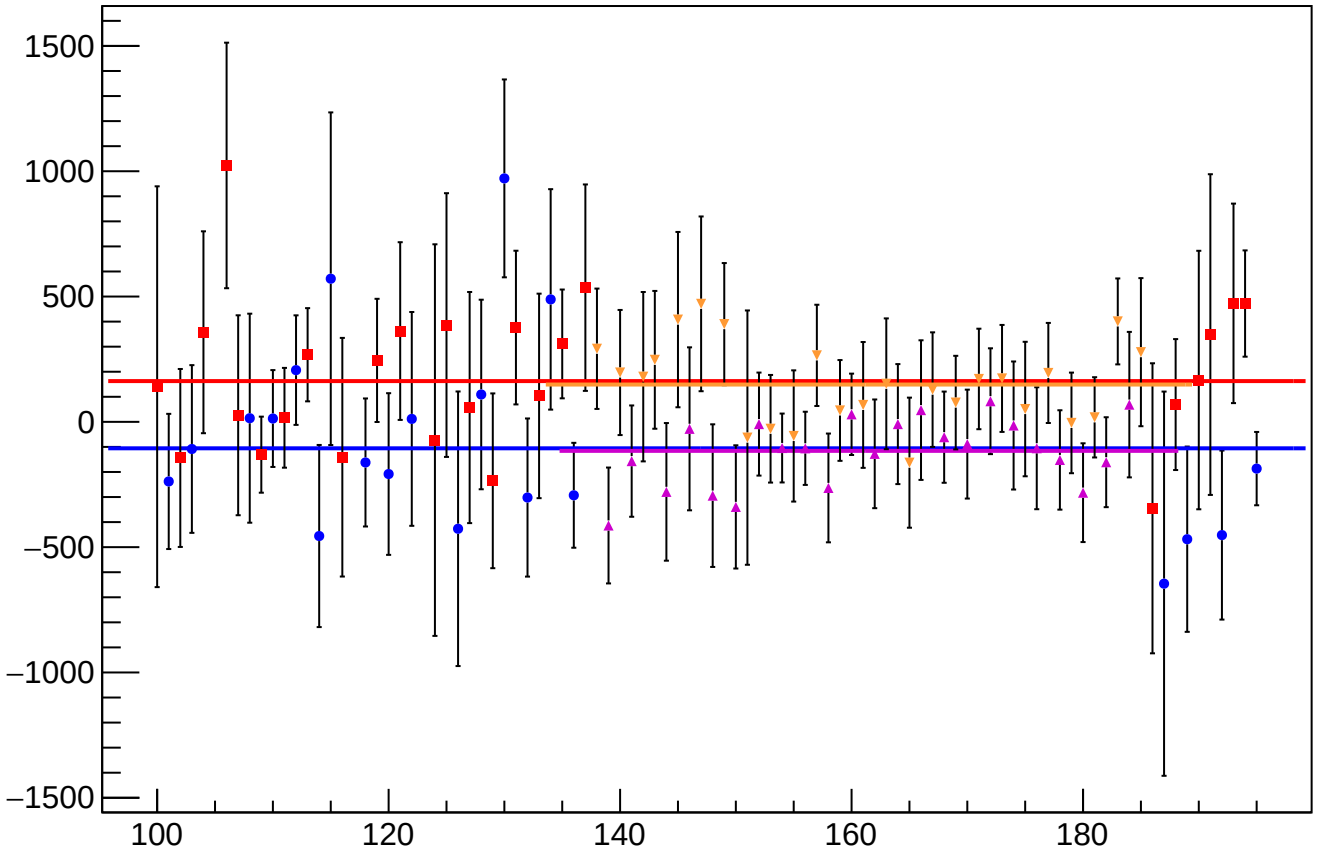
Right Out: 11.224+/-0.002 χ^2/NDF: 193584.9/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

\+ sign 11.294+/-0.001 χ^2/NDF: 309562.4/44

All: 11.298+/-0.001 χ^2/NDF: 675467.5/92

\- sign 11.303+/-0.001 χ^2/NDF: 365886.5/47



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: 162.655+/-61.204 χ^2/NDF: 16.8/24

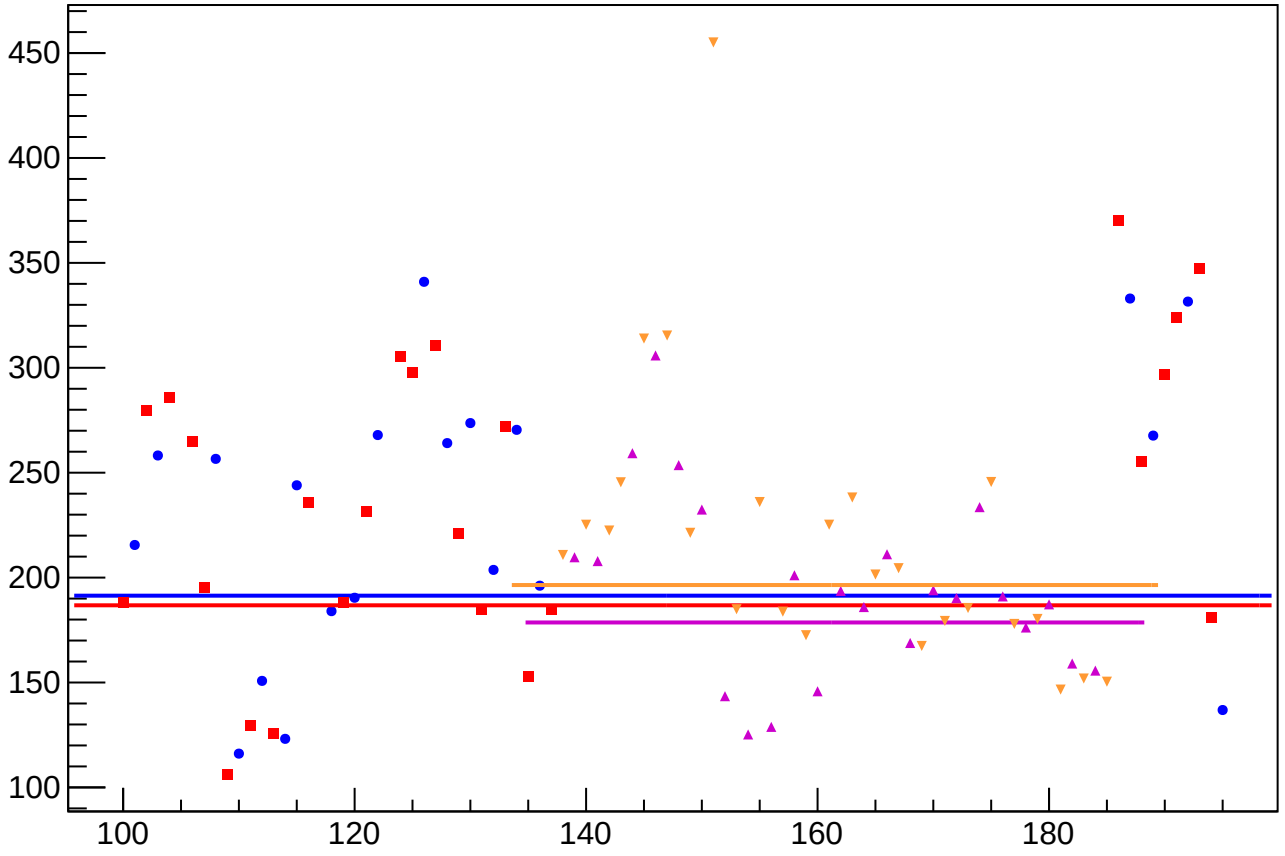
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 63.462+/-37.740 χ^2/NDF: 39.5/44

All: 18.221+/-25.871 χ^2/NDF: 80.5/92

- sign -21.885+/-35.533 χ^2/NDF: 38.3/47

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: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

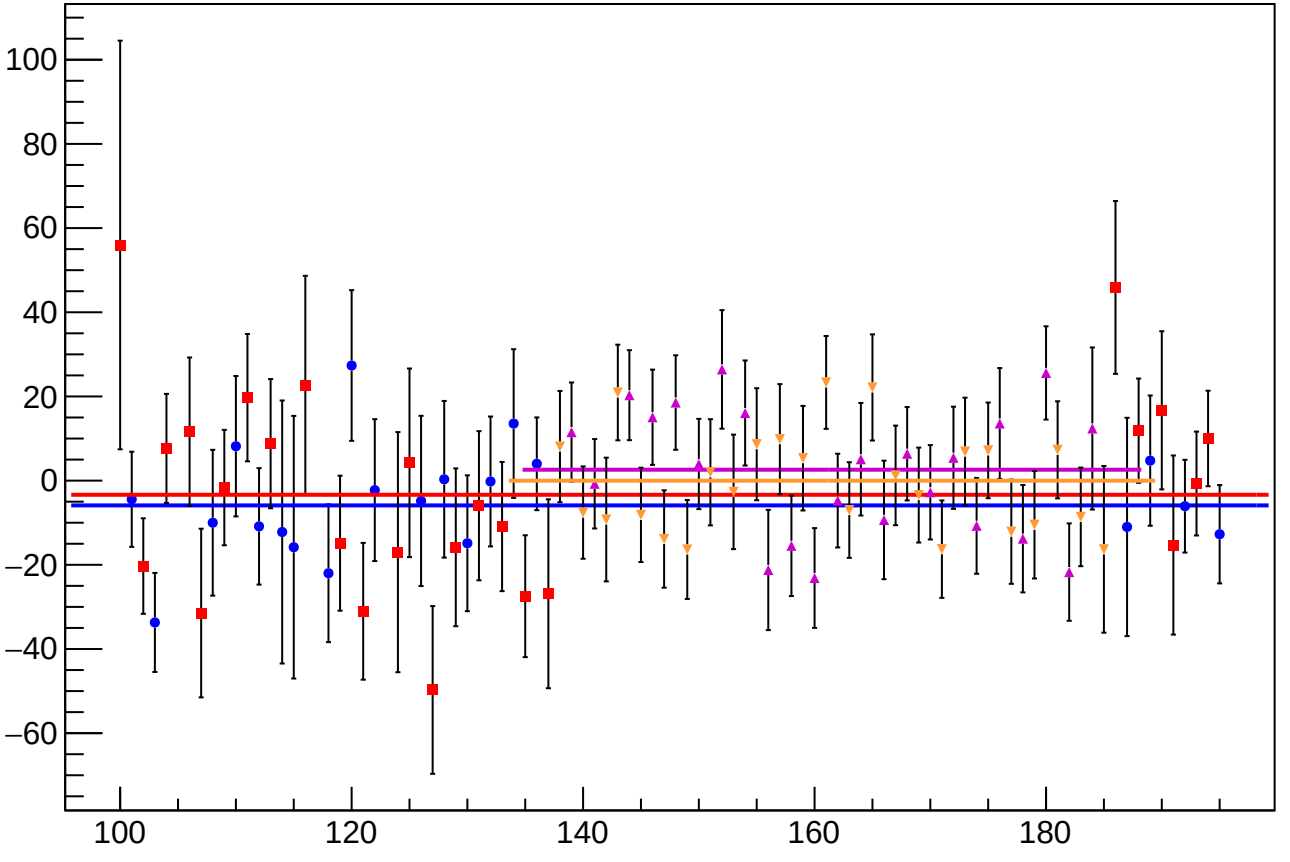
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 194.752+/-0.027 χ^2/NDF: 3648418.8/44

All: 187.659+/-0.018 χ^2/NDF: 8076781.5/92

- sign 181.372+/-0.025 χ^2/NDF: 4295093.5/47

asym_bcm_an_us_bcm_an_ds3_agg_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: -3.362+/-3.262 χ^2/NDF: 35.0/24

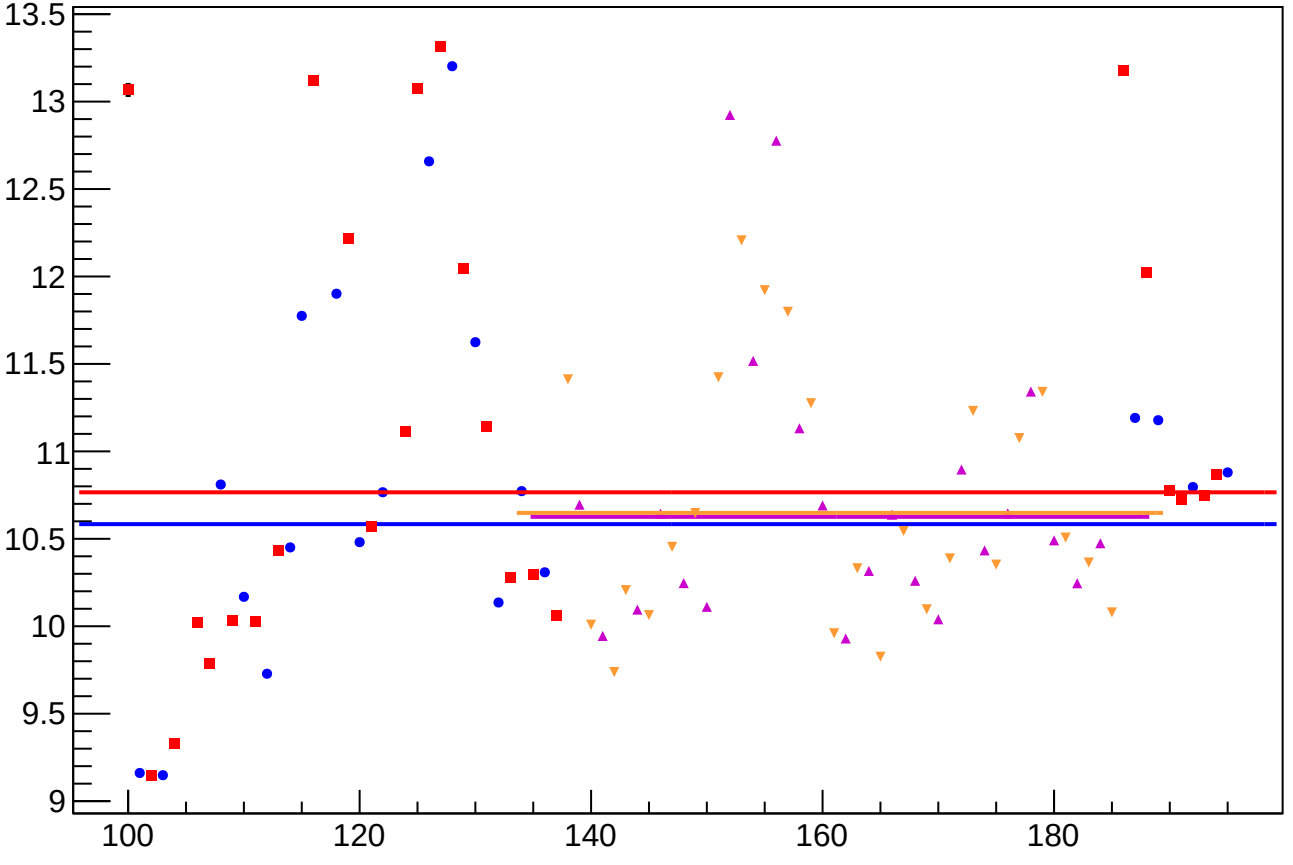
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -2.005+/-1.988 χ^2/NDF: 40.2/44

All: -0.811+/-1.405 χ^2/NDF: 112.8/92

- sign 0.382+/-1.987 χ^2/NDF: 71.9/47

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

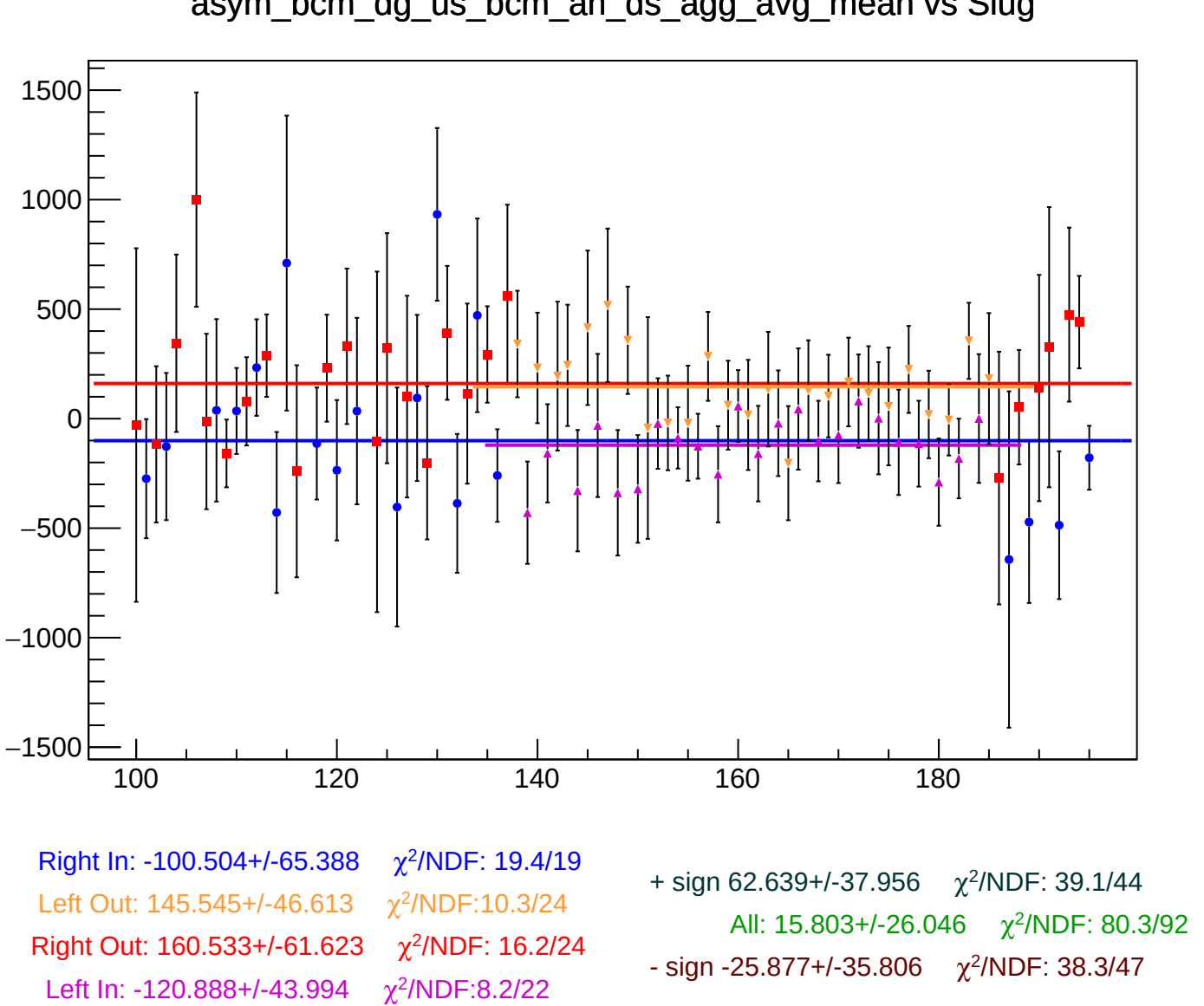
Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

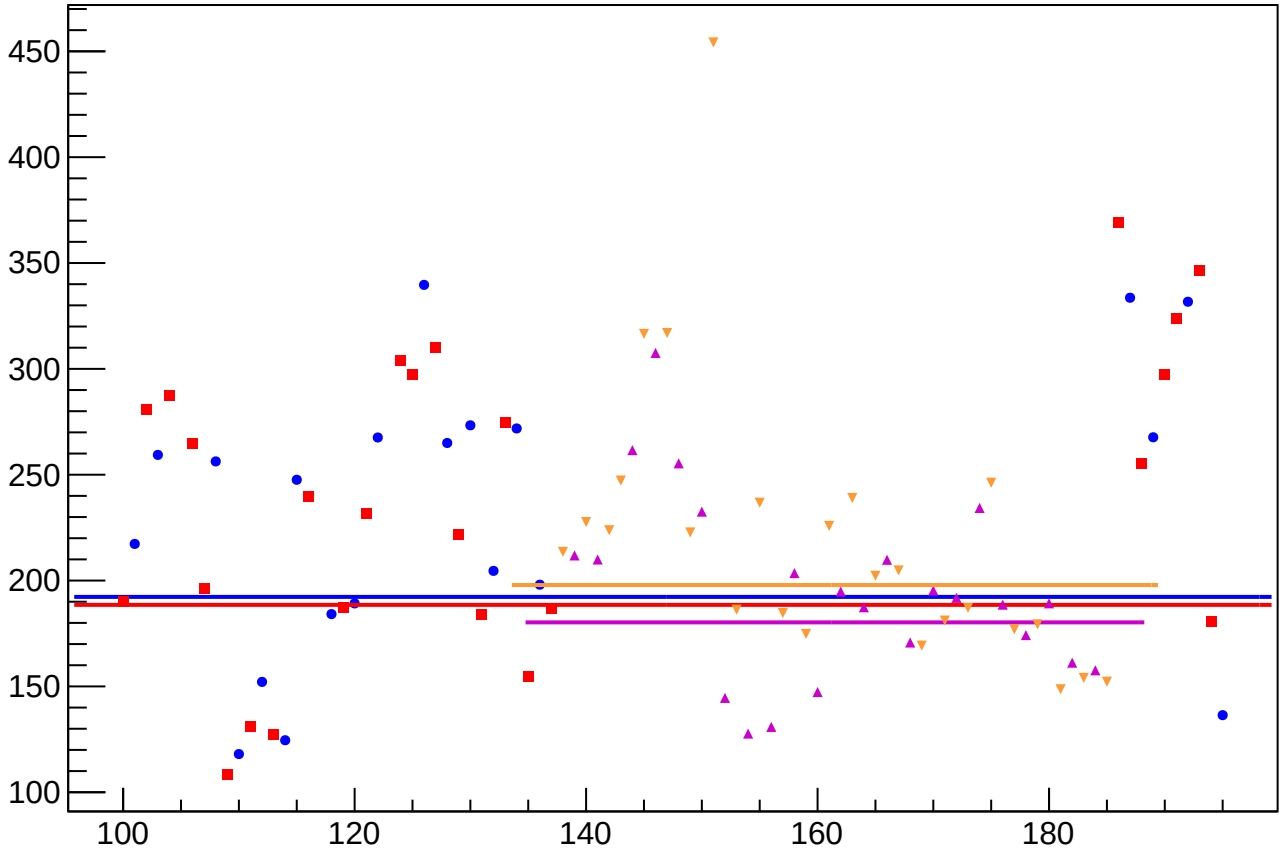
+ sign 10.626+/-0.001 χ^2/NDF: 309097.3/44

All: 10.652+/-0.001 χ^2/NDF: 713293.6/92

- sign 10.678+/-0.001 χ^2/NDF: 403531.4/47


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
Right In: -100.504+/-65.388 χ²/NDF: 19.4/19
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 160.533+/-61.623 χ²/NDF: 16.2/24
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign 62.639+/-37.956 χ²/NDF: 39.1/44
All: 15.803+/-26.046 χ²/NDF: 80.3/92
- sign -25.877+/-35.806 χ²/NDF: 38.3/47

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

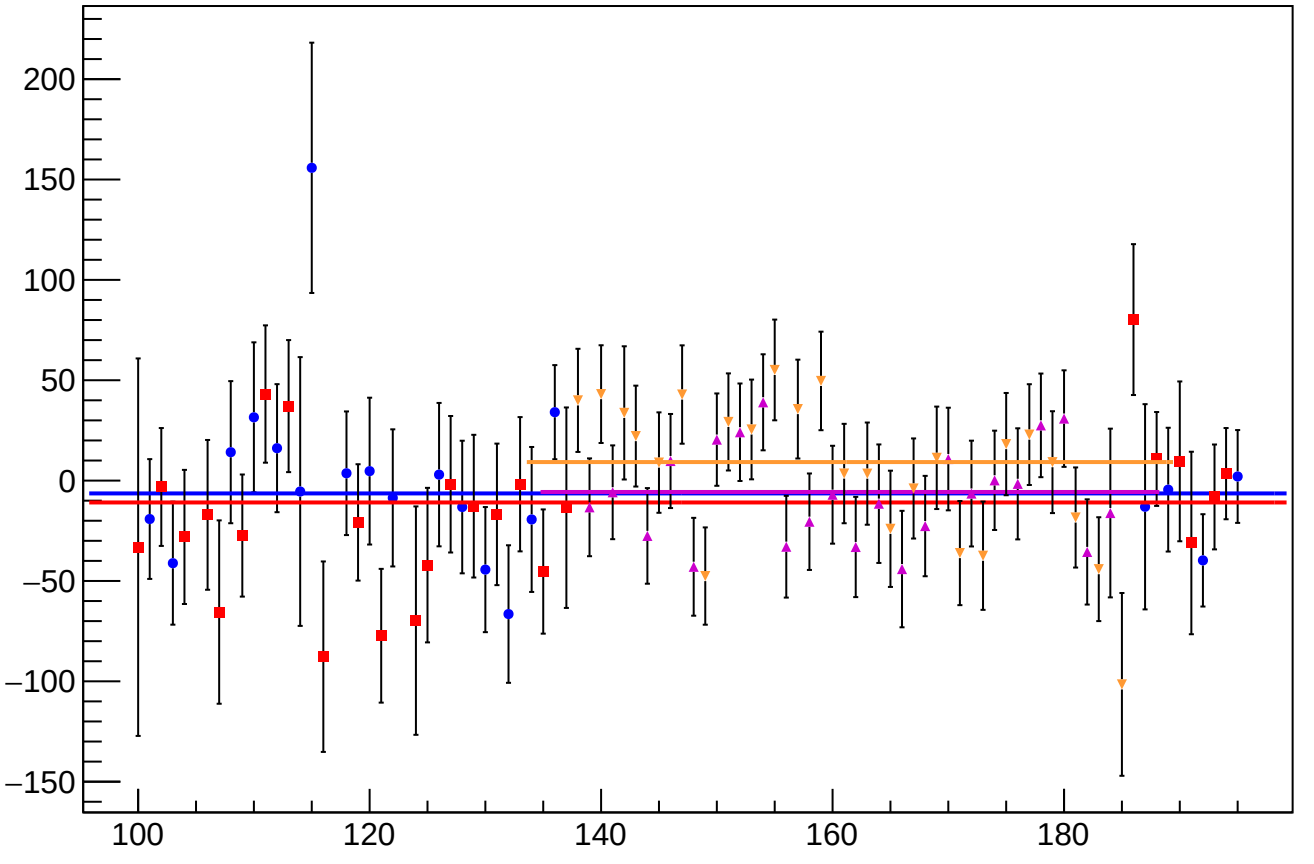
Right Out: 188.511+/-0.044 χ^2/NDF: 2513041.2/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 196.001+/-0.027 χ^2/NDF: 3600255.4/44

All: 189.142+/-0.018 χ^2/NDF: 7888335.3/92

- sign 183.038+/-0.025 χ^2/NDF: 4164640.4/47



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: -10.893+/-6.805 χ^2/NDF: 24.2/24

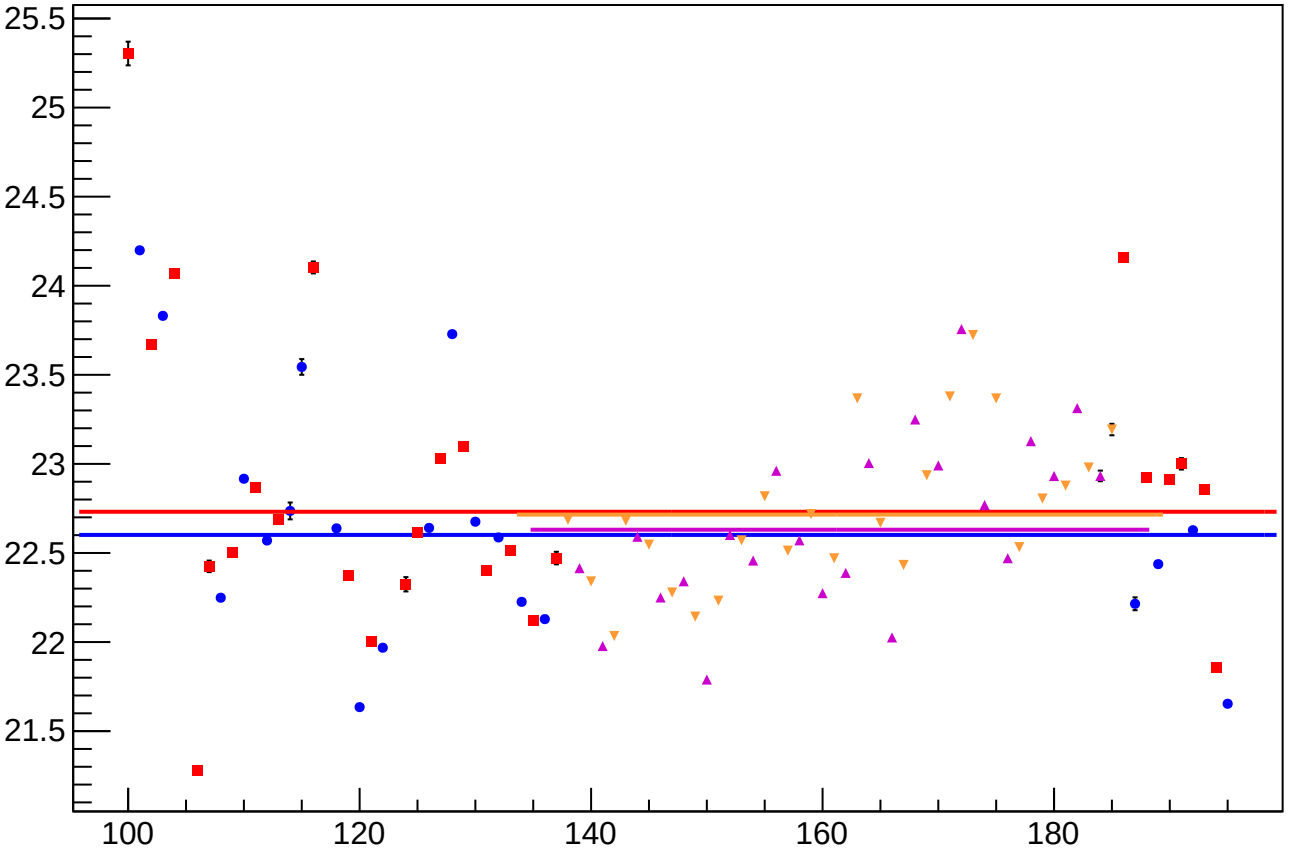
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.949+/-4.199 χ^2/NDF: 62.9/44

All: -1.876+/-2.961 χ^2/NDF: 112.1/92

- sign -7.634+/-4.175 χ^2/NDF: 45.4/47

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.601+/-0.005 χ^2/NDF: 18753.0/19

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

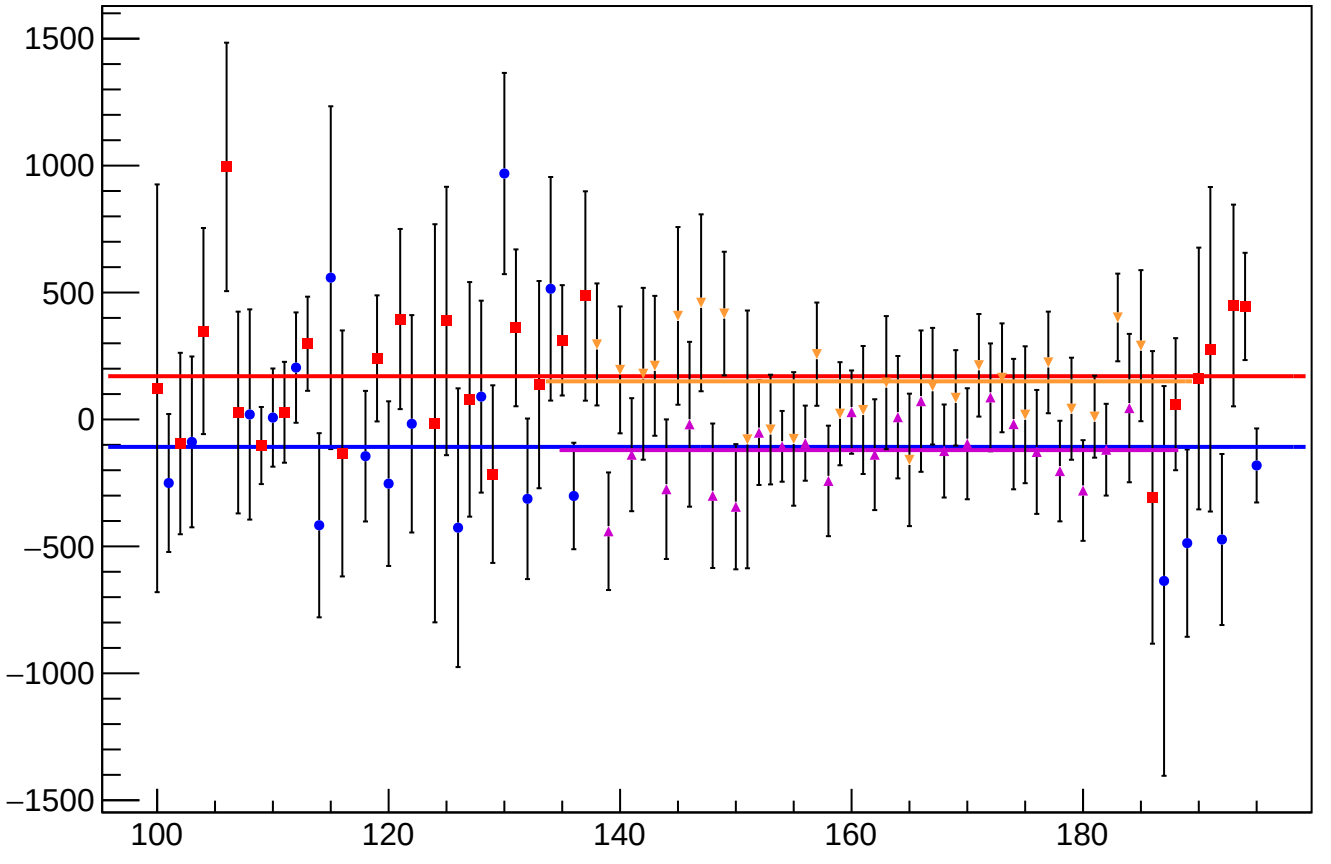
Right Out: 22.731+/-0.005 χ^2/NDF: 20626.1/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.677+/-0.003 χ^2/NDF: 31264.4/44

All: 22.673+/-0.002 χ^2/NDF: 67559.4/92

- sign 22.668+/-0.003 χ^2/NDF: 36290.9/47



Right In: -108.098+/-65.172 χ^2/NDF: 19.0/19

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

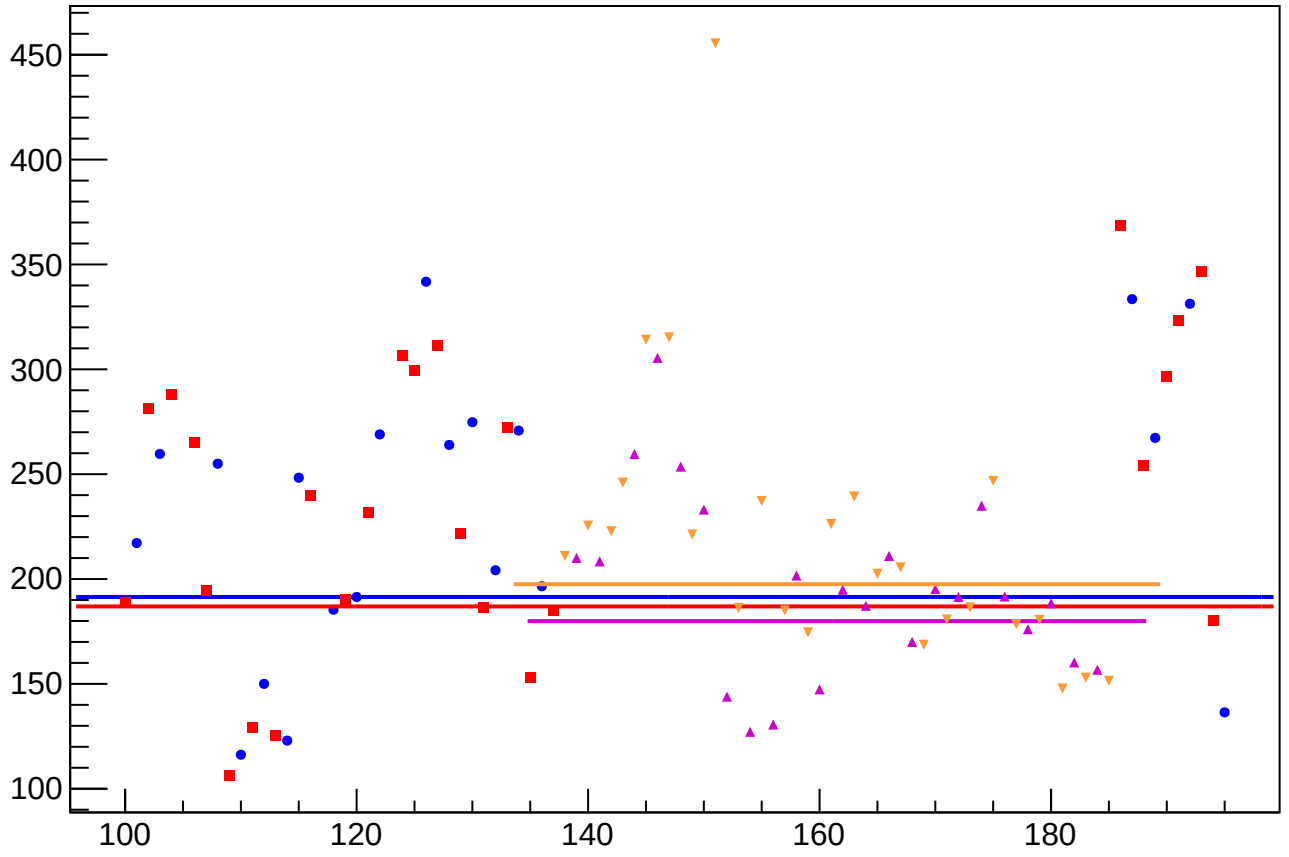
Right Out: 170.358+/-61.257 χ^2/NDF: 14.8/24

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 62.989+/-37.872 χ^2/NDF: 40.3/44

All: 18.024+/-25.975 χ^2/NDF: 80.6/92

- sign -21.919+/-35.694 χ^2/NDF: 37.6/47



Right In: 191.439+/-0.046 χ^2/NDF: 1837995.5/19

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

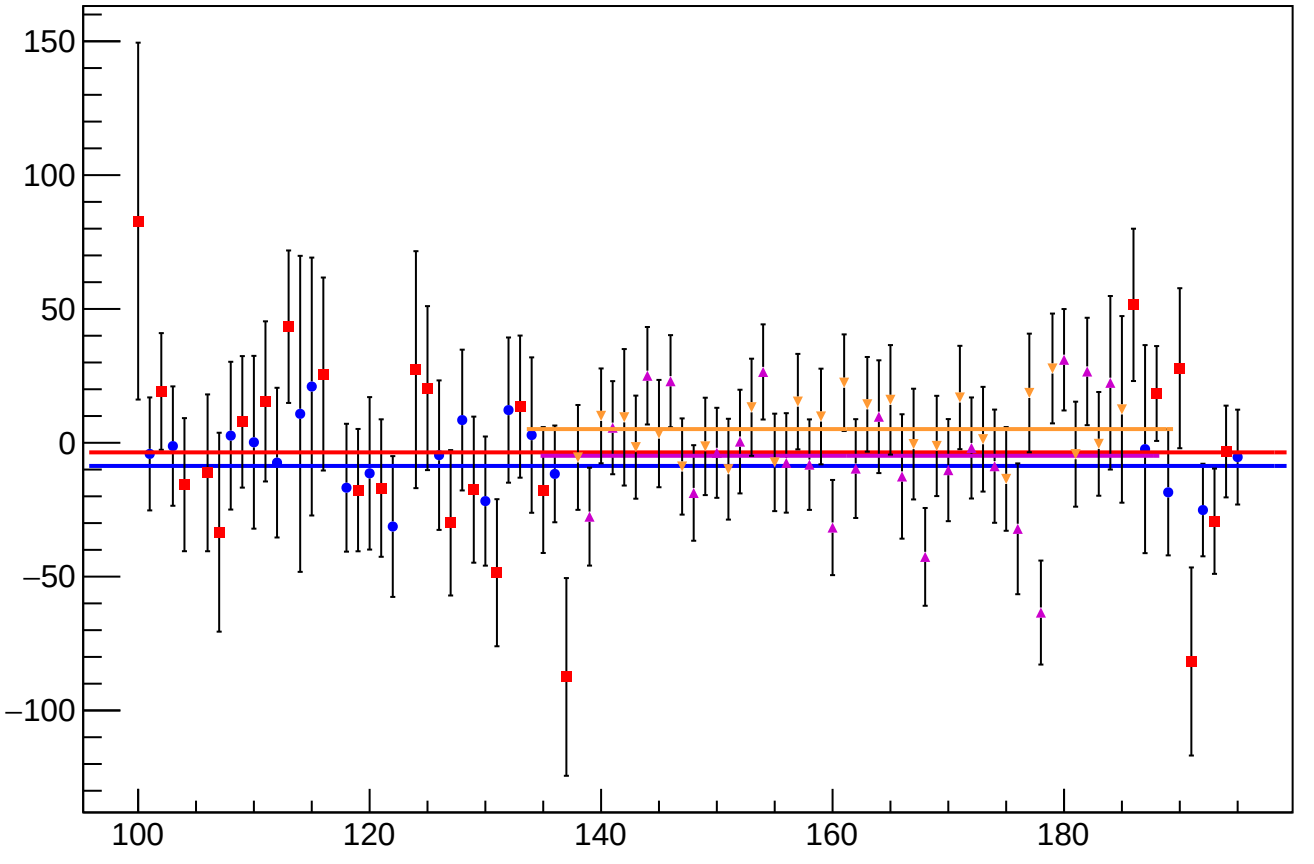
Right Out: 186.936+/-0.043 χ^2/NDF: 2602930.5/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 195.476+/-0.027 χ^2/NDF: 3639472.4/44

All: 188.501+/-0.018 χ^2/NDF: 8011976.3/92

- sign 182.304+/-0.025 χ^2/NDF: 4244387.2/47



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: -3.581+/-5.275 χ^2/NDF: 32.3/24

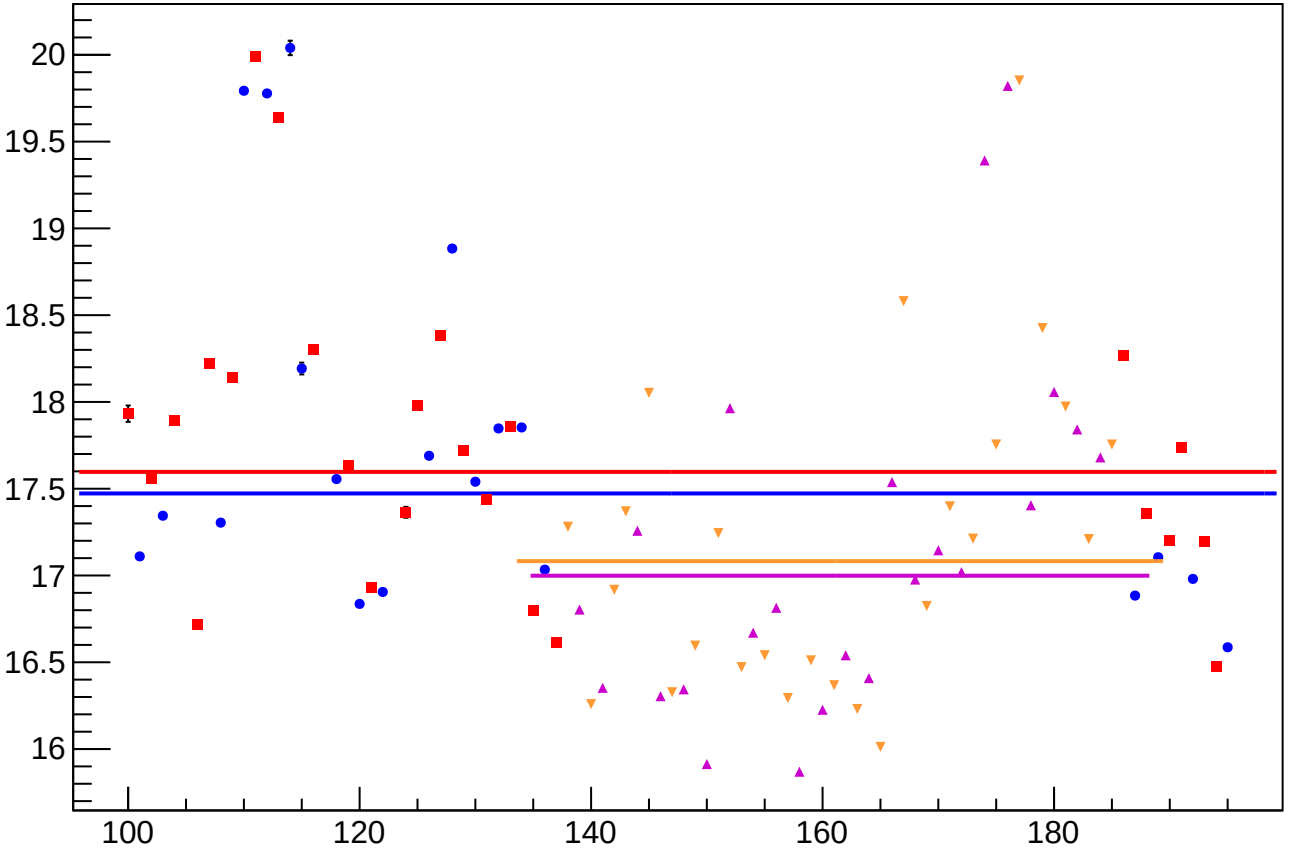
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.627+/-3.193 χ^2/NDF: 16.4/44

All: -1.896+/-2.252 χ^2/NDF: 85.5/92

- sign -4.395+/-3.177 χ^2/NDF: 67.9/47

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

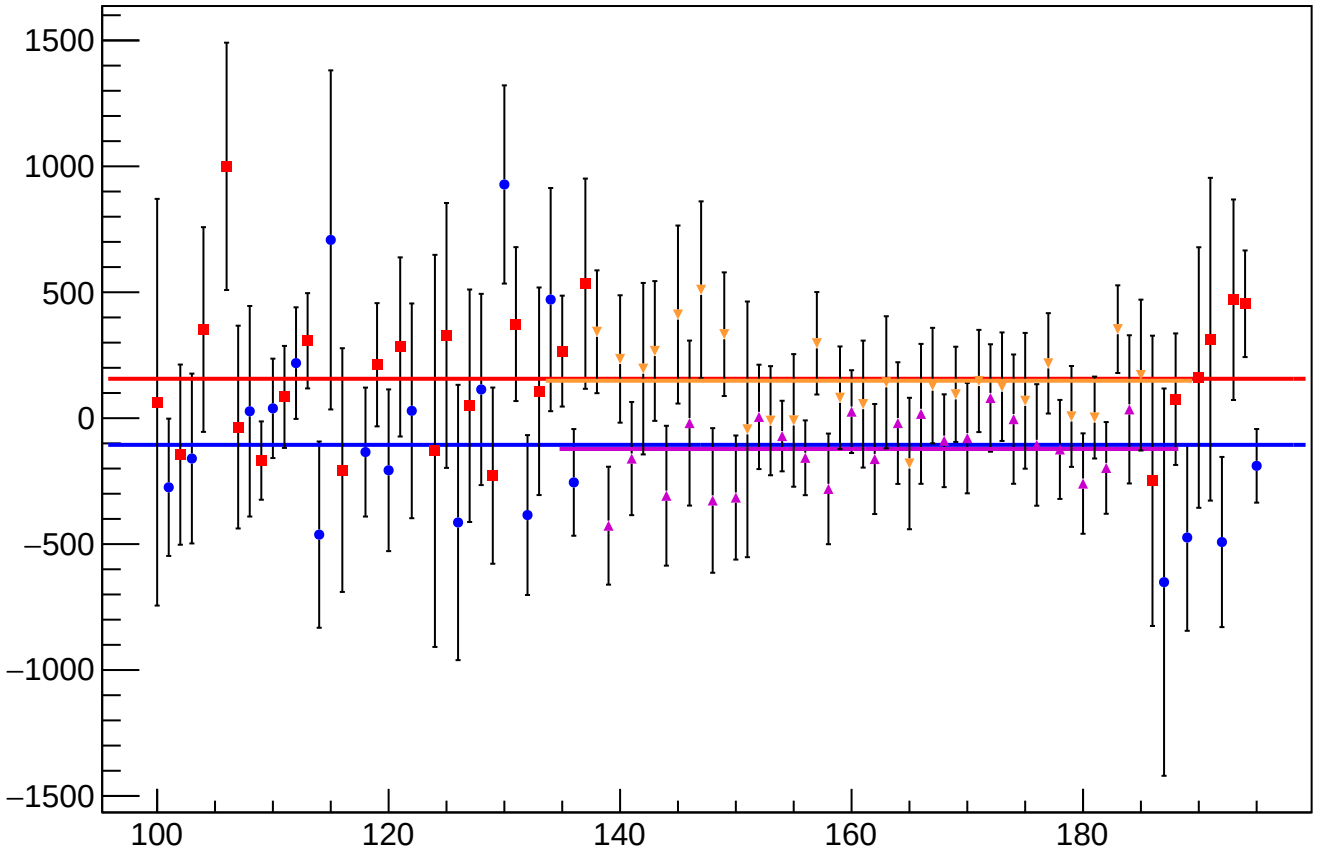
Right Out: 17.597+/-0.004 χ^2/NDF: 46159.7/24

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.210+/-0.002 χ^2/NDF: 149530.1/44

All: 17.213+/-0.002 χ^2/NDF: 316109.1/92

- sign 17.216+/-0.002 χ^2/NDF: 166575.8/47



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: 156.483+/-61.798 χ^2/NDF: 16.3/24

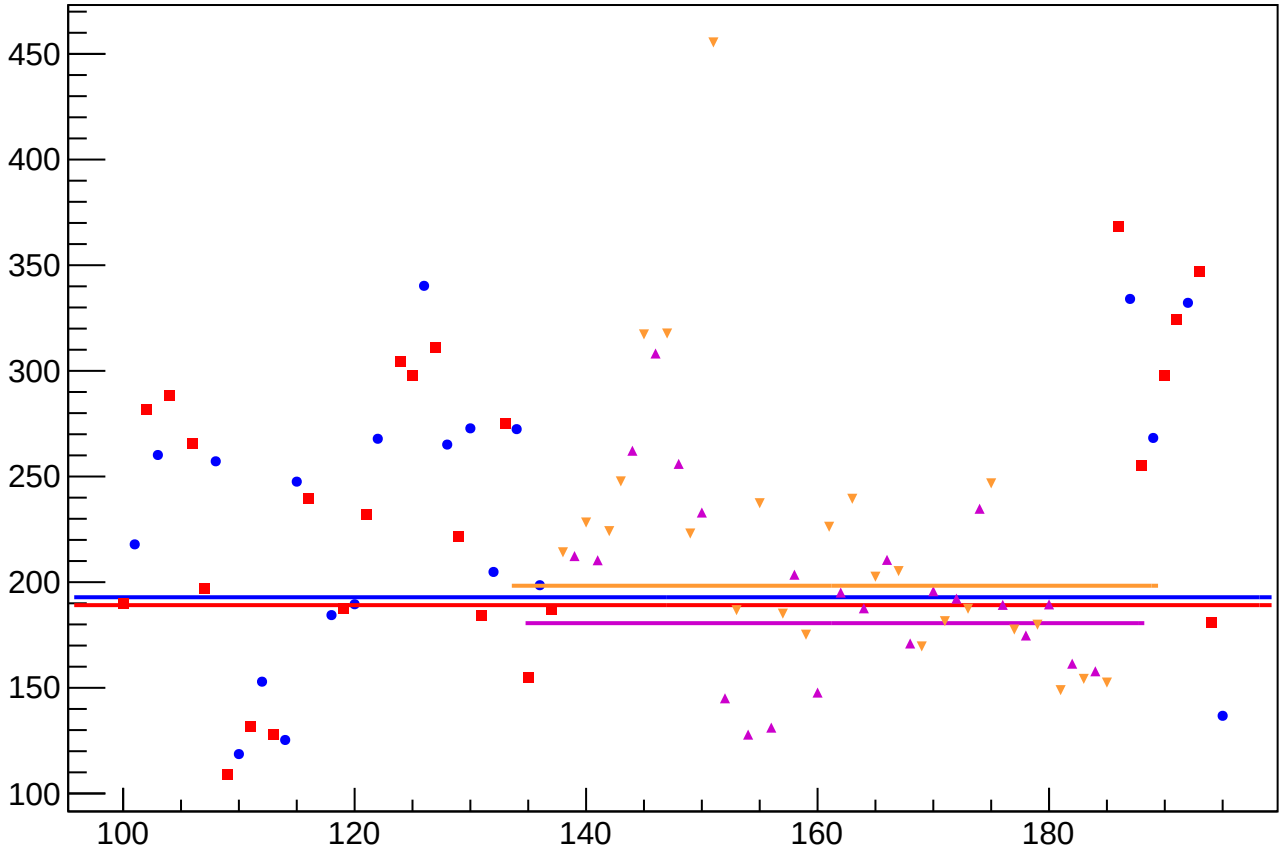
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 63.020+/-38.046 χ^2/NDF: 39.0/44

All: 14.676+/-26.106 χ^2/NDF: 79.7/92

- sign -28.338+/-35.887 χ^2/NDF: 37.7/47

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

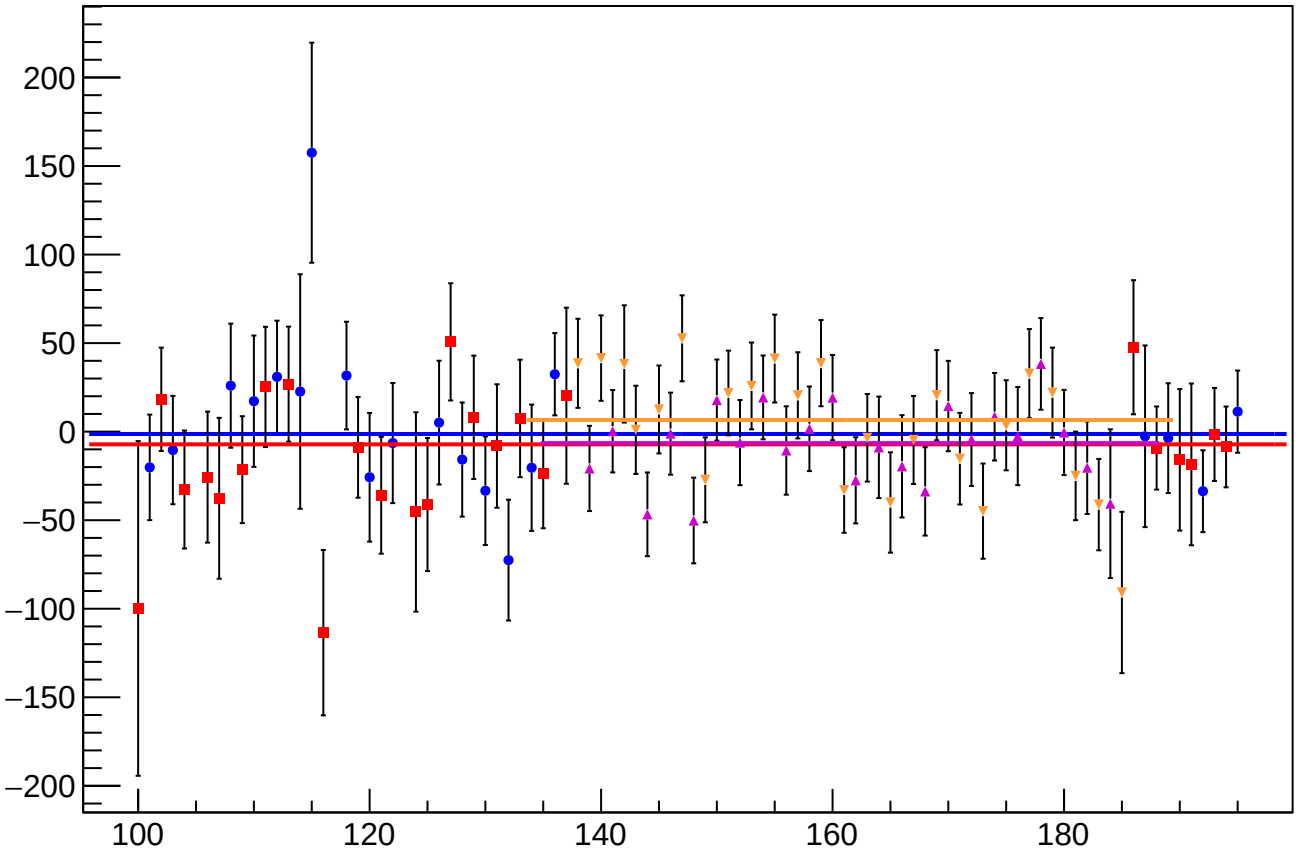
Right Out: 189.130+/-0.044 χ^2/NDF: 2495114.3/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 196.480+/-0.027 χ^2/NDF: 3589888.2/44

All: 189.599+/-0.018 χ^2/NDF: 7861940.0/92

- sign 183.477+/-0.025 χ^2/NDF: 4148432.2/47



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: -7.169+/-6.761 χ^2/NDF: 18.8/24

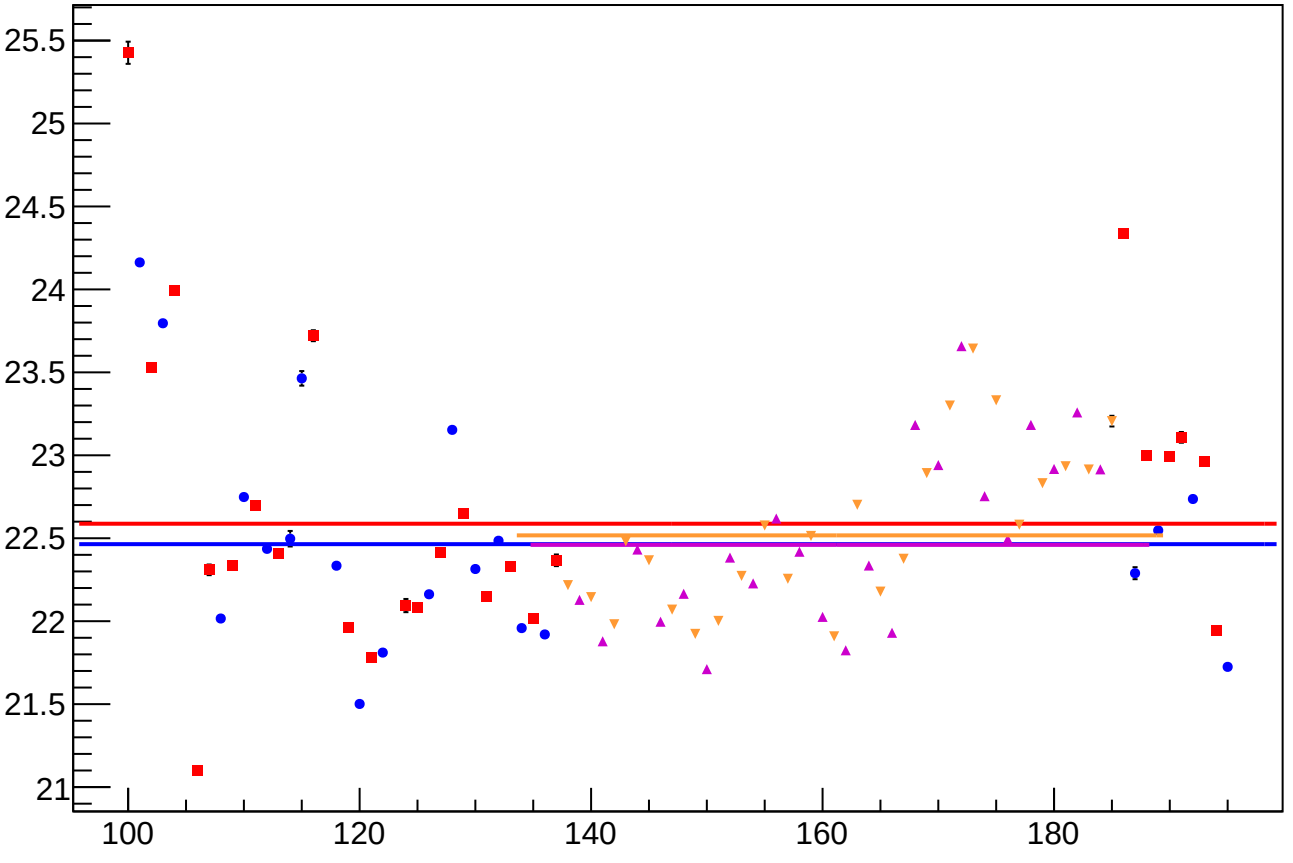
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.936+/-4.166 χ^2/NDF: 58.7/44

All: -1.429+/-2.938 χ^2/NDF: 98.3/92

- sign -6.740+/-4.145 χ^2/NDF: 36.2/47

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.464+/-0.005 χ^2/NDF: 18396.0/19

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

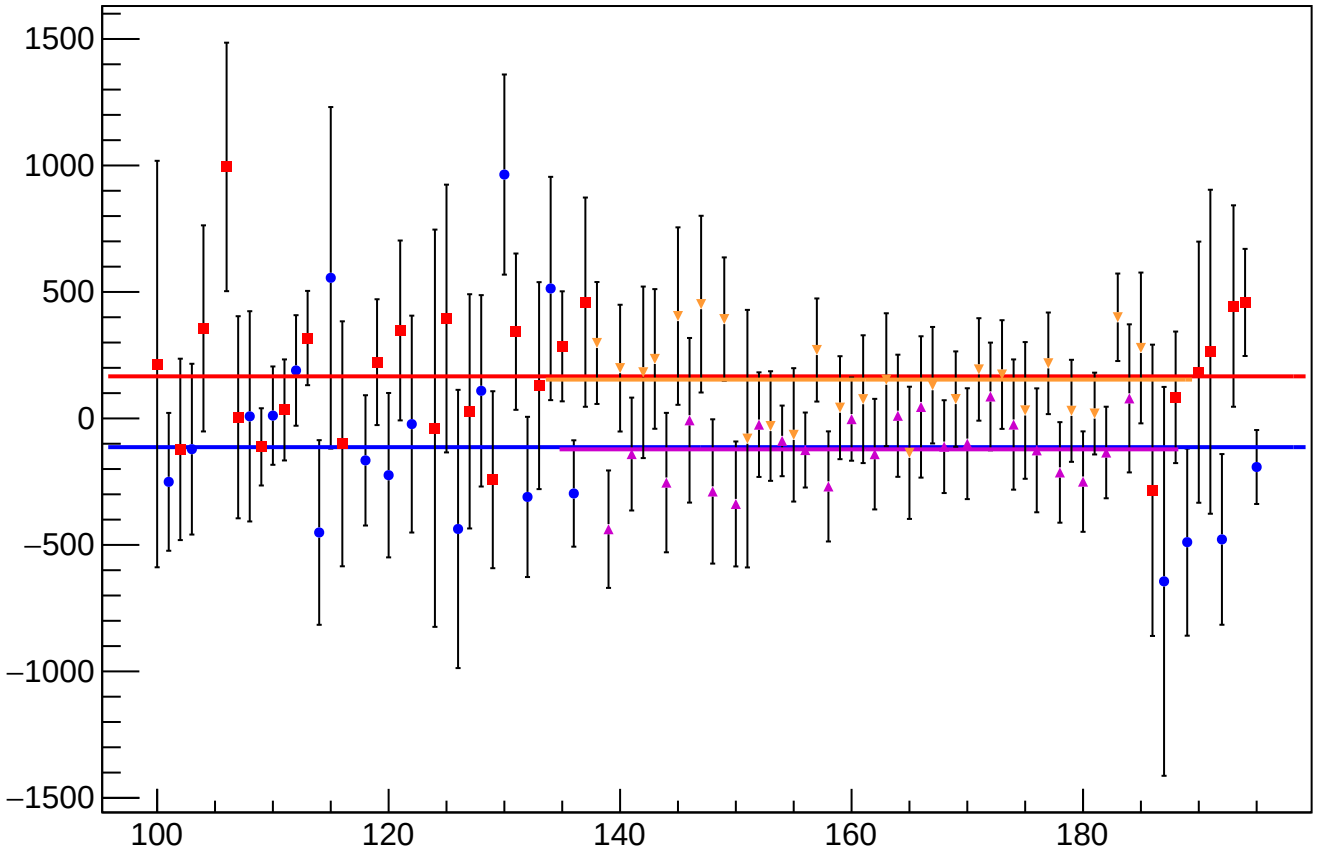
Right Out: 22.588+/-0.005 χ^2/NDF: 23410.4/24

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.500+/-0.003 χ^2/NDF: 34470.9/44

All: 22.504+/-0.002 χ^2/NDF: 77445.3/92

\- sign 22.508+/-0.003 χ^2/NDF: 42970.2/47



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: 166.371+/-61.435 χ^2/NDF: 14.9/24

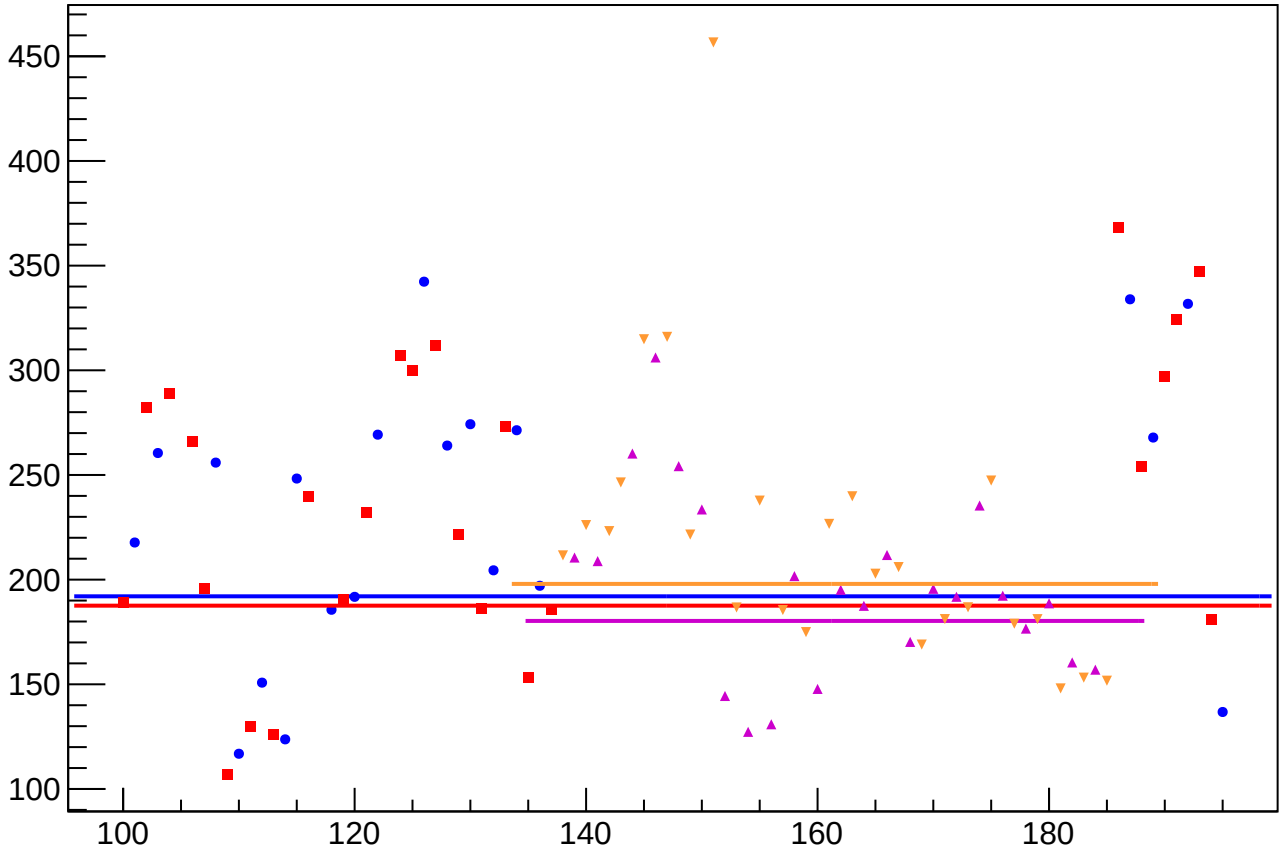
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 63.404+/-37.961 χ^2/NDF: 40.1/44

All: 16.942+/-26.035 χ^2/NDF: 79.9/92

- sign -24.321+/-35.775 χ^2/NDF: 36.9/47

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

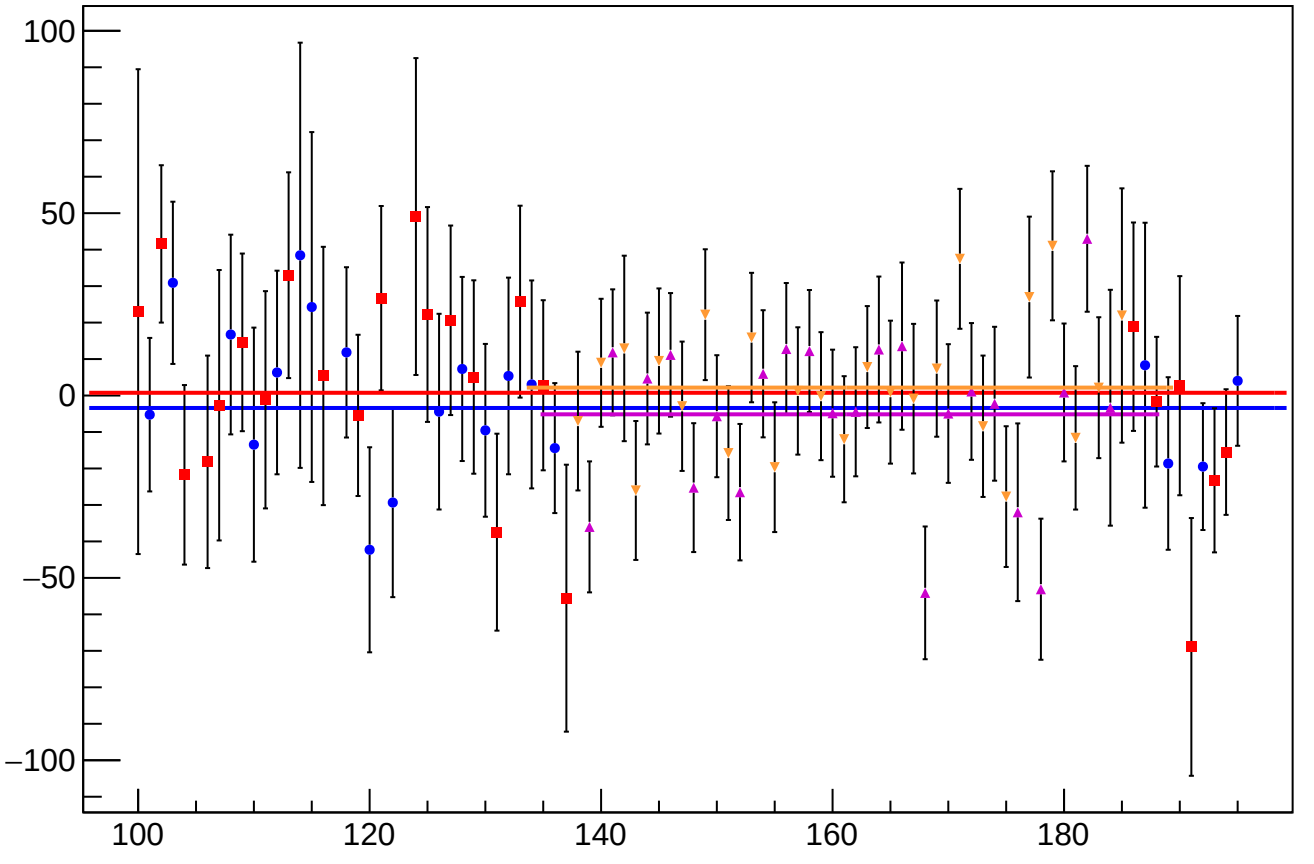
Right Out: 187.567+/-0.043 χ^2/NDF: 2583944.5/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 195.958+/-0.027 χ^2/NDF: 3628417.4/44

All: 188.962+/-0.018 χ^2/NDF: 7983958.9/92

- sign 182.747+/-0.025 χ^2/NDF: 4227255.2/47



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: 0.755+/-5.225 χ^2/NDF: 22.1/24

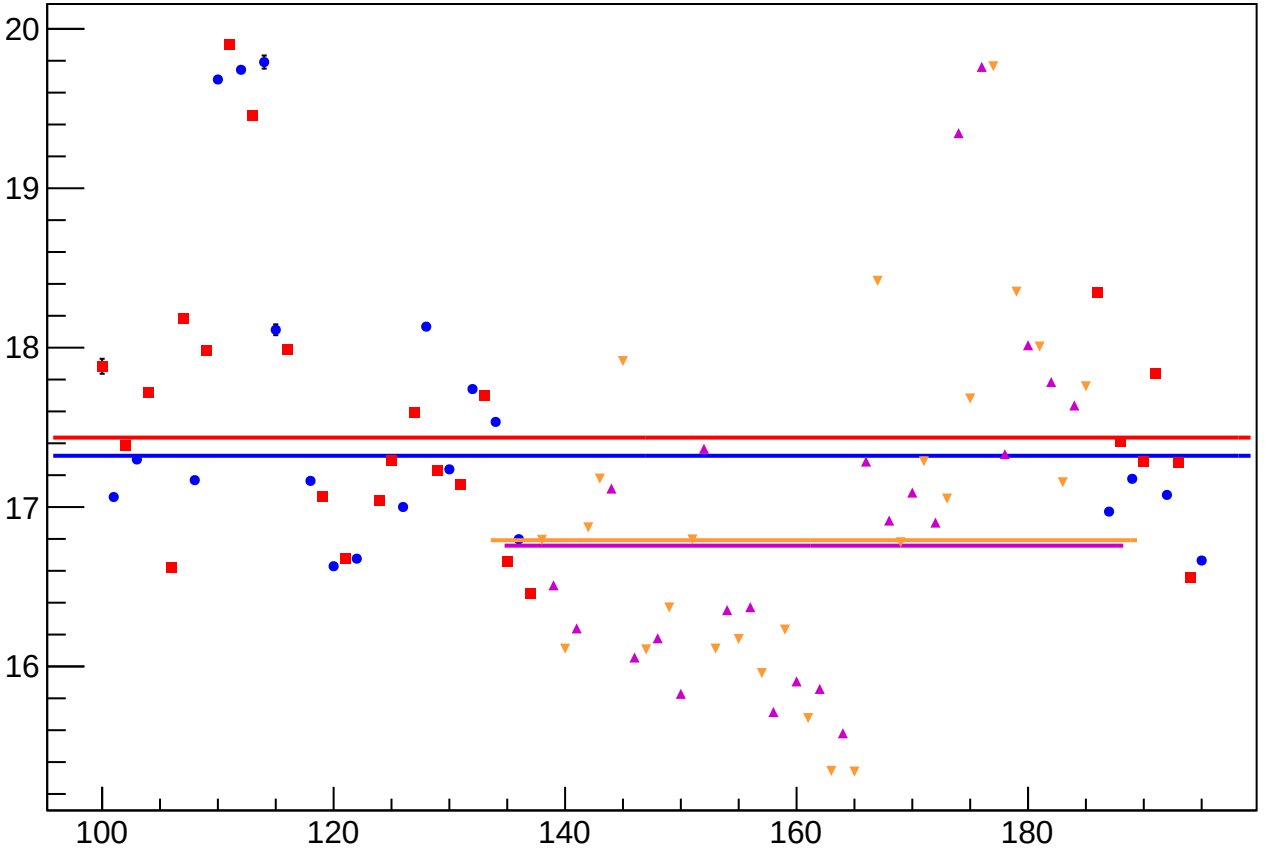
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.371+/-3.148 χ^2/NDF: 30.3/44

All: -1.330+/-2.222 χ^2/NDF: 86.1/92

- sign -3.021+/-3.138 χ^2/NDF: 55.2/47

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

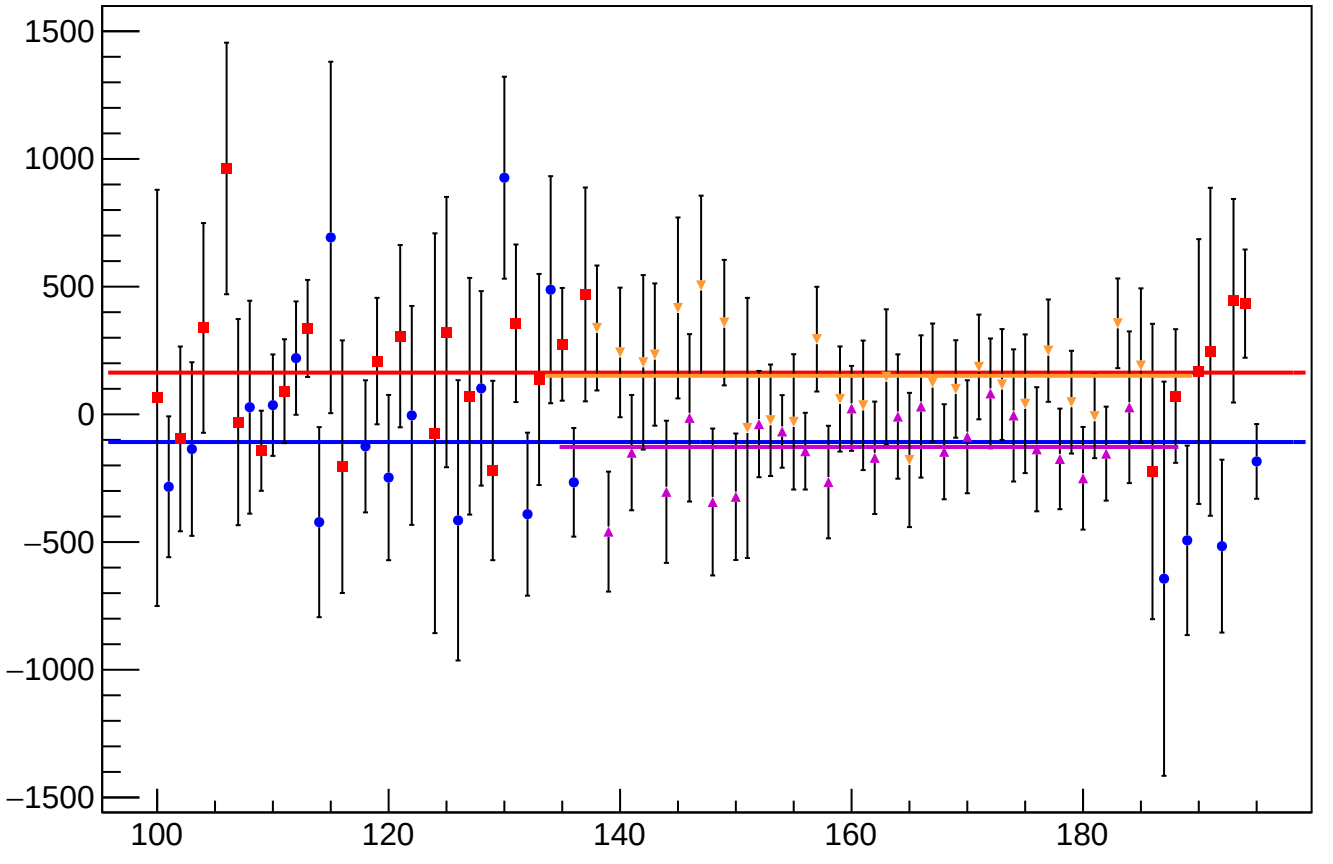
Right Out: 17.436+/-0.004 χ^2/NDF: 42775.7/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.963+/-0.002 χ^2/NDF: 190355.1/44

All: 16.983+/-0.002 χ^2/NDF: 378122.1/92

- sign 17.002+/-0.002 χ^2/NDF: 187610.6/47



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: 163.414+/-62.136 χ^2/NDF: 14.4/24

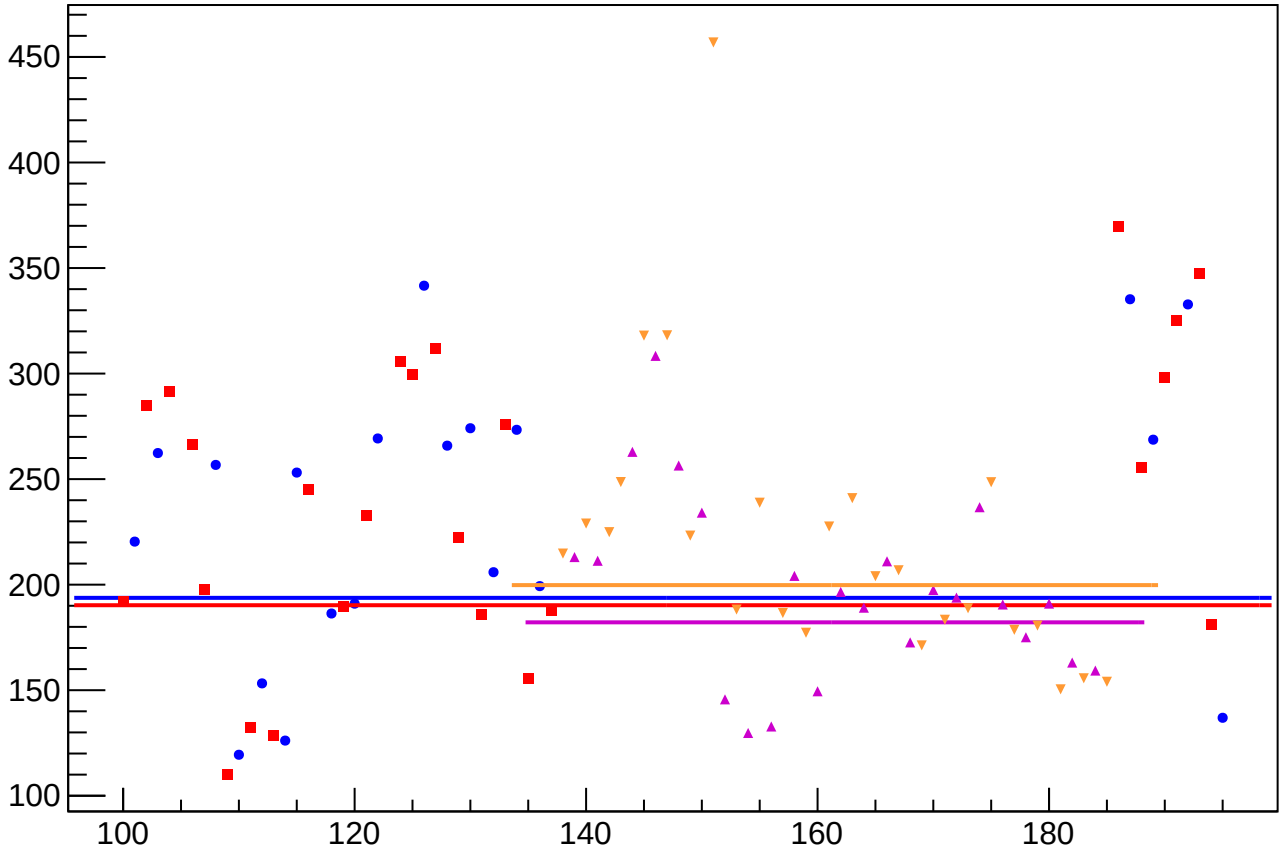
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 63.324+/-38.277 χ^2/NDF: 39.7/44

All: 14.390+/-26.278 χ^2/NDF: 79.5/92

- sign -29.231+/-36.139 χ^2/NDF: 36.8/47

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

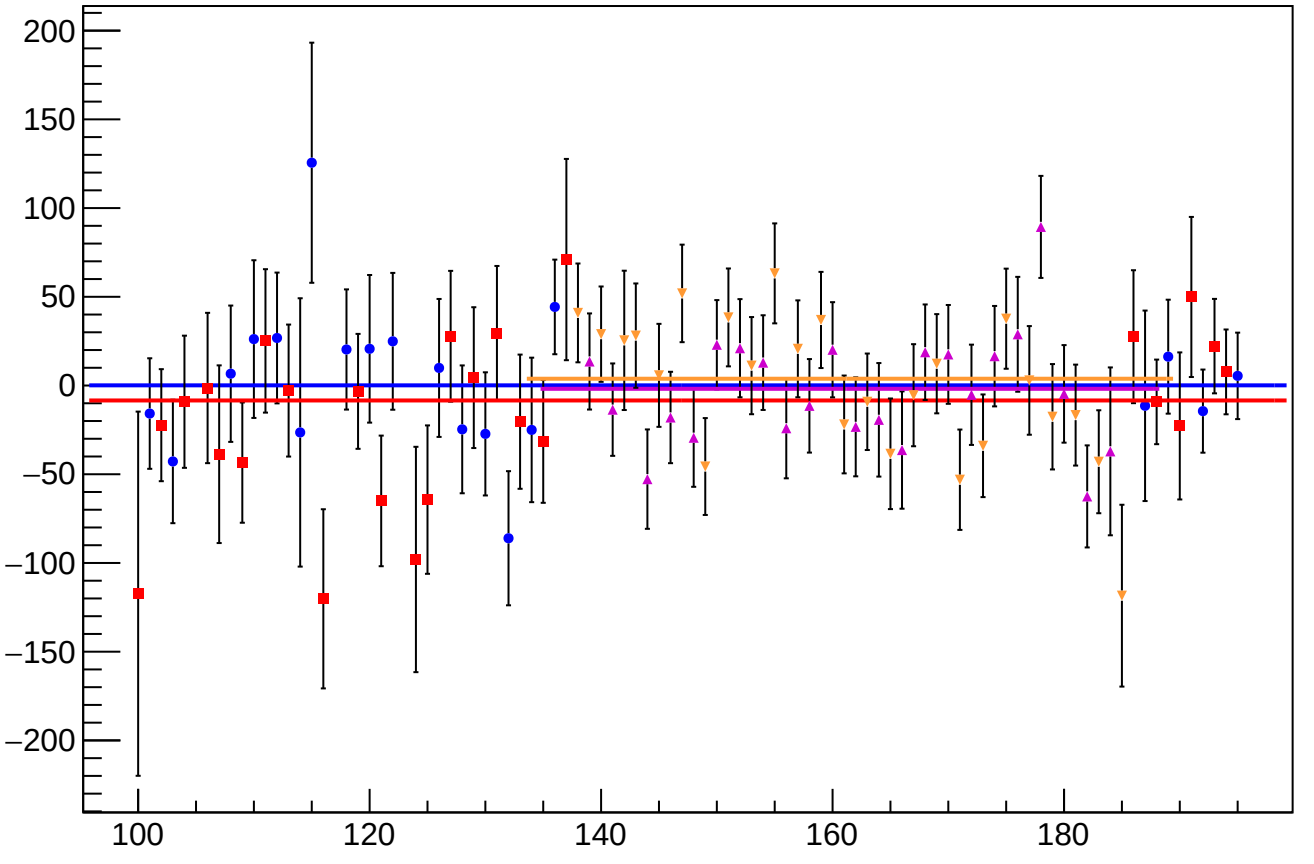
Right Out: 190.258+/-0.044 χ^2/NDF: 2486280.2/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 197.748+/-0.027 χ^2/NDF: 3564716.8/44

All: 190.951+/-0.019 χ^2/NDF: 7777148.4/92

- sign 184.893+/-0.026 χ^2/NDF: 4093170.5/47



Right In: 0.103+/-7.883 χ^2/NDF: 17.5/19

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

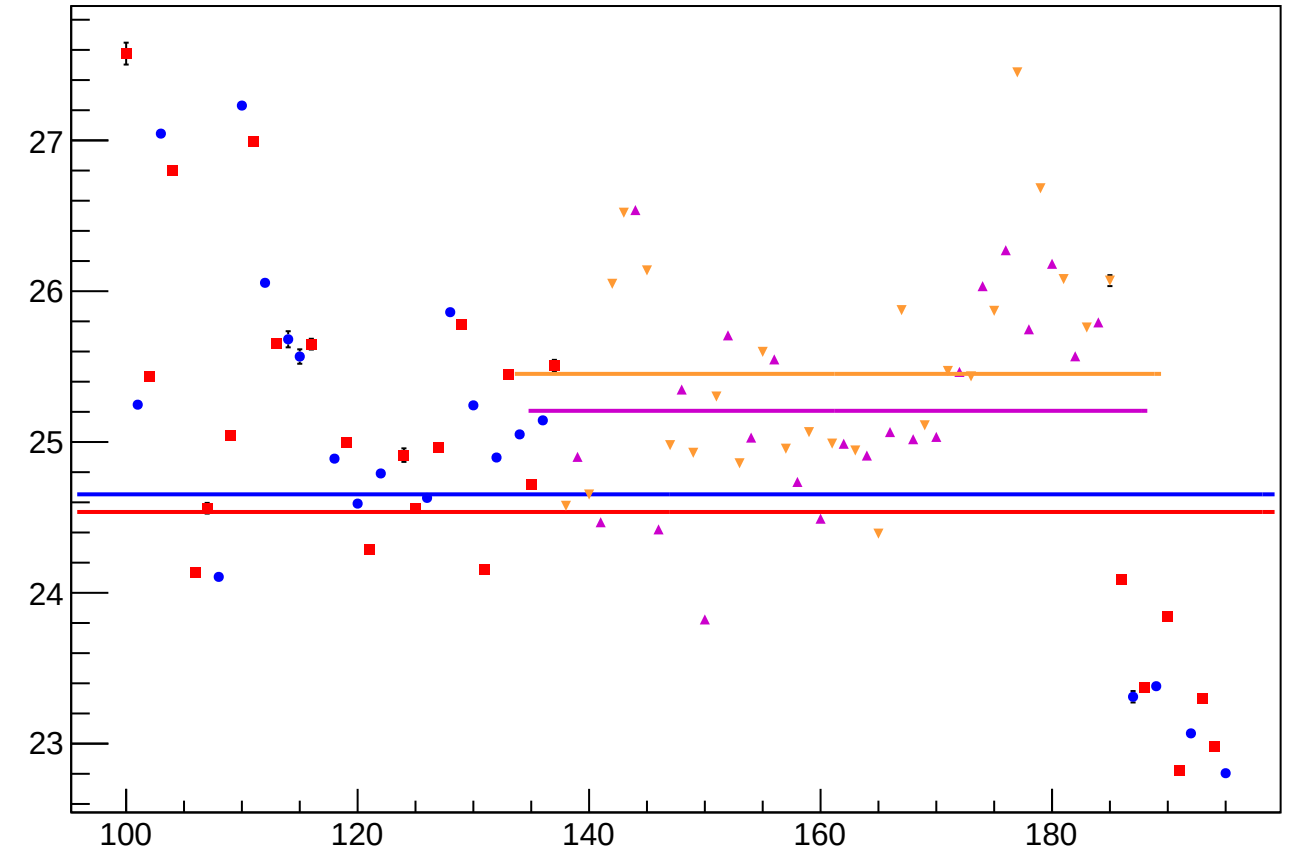
Right Out: -8.419+/-7.352 χ^2/NDF: 23.6/24

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.525+/-4.666 χ^2/NDF: 55.2/44

All: -0.998+/-3.275 χ^2/NDF: 108.5/92

- sign -4.420+/-4.598 χ^2/NDF: 52.2/47



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: 24.536+/-0.005 χ^2/NDF: 47643.8/24

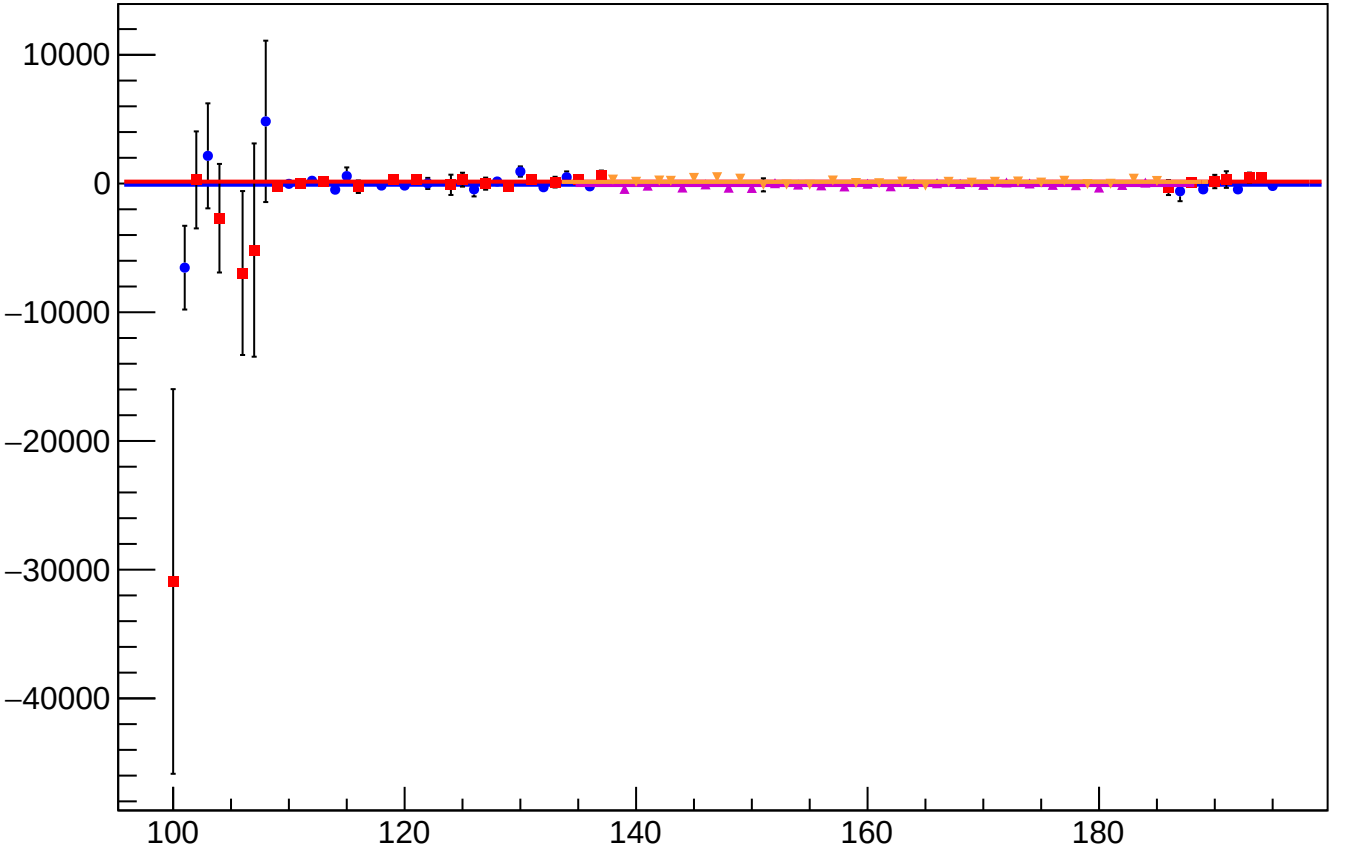
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.172+/-0.003 χ^2/NDF: 92879.2/44

All: 25.057+/-0.002 χ^2/NDF: 178898.2/92

- sign 24.944+/-0.003 χ^2/NDF: 83605.6/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



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: 148.989+/-68.247 χ^2/NDF: 17.6/24

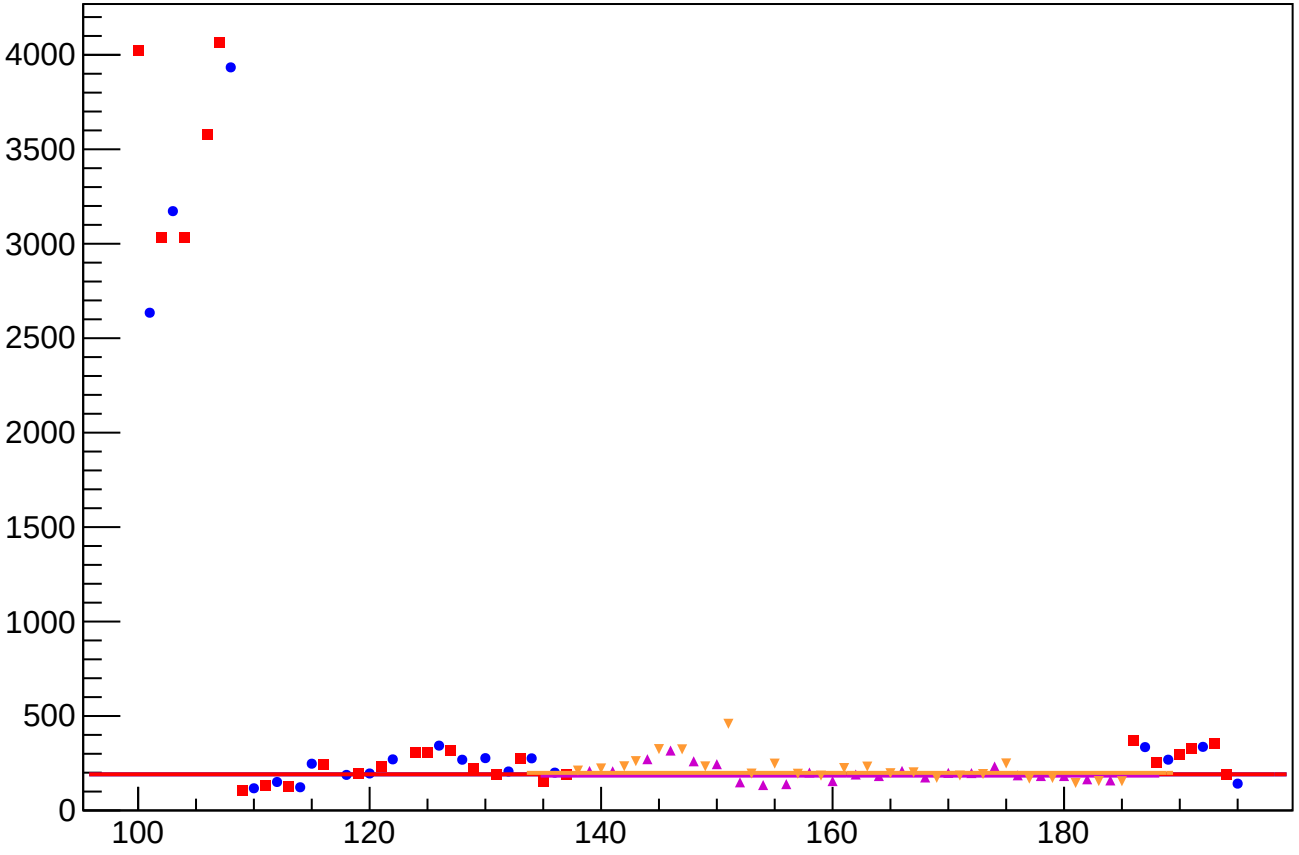
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 58.531+/-39.091 χ^2/NDF: 39.7/44

All: 8.814+/-27.059 χ^2/NDF: 79.0/92

- sign -36.924+/-37.493 χ^2/NDF: 36.2/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.120+/-0.050 χ^2/NDF: 4550446.3/19

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

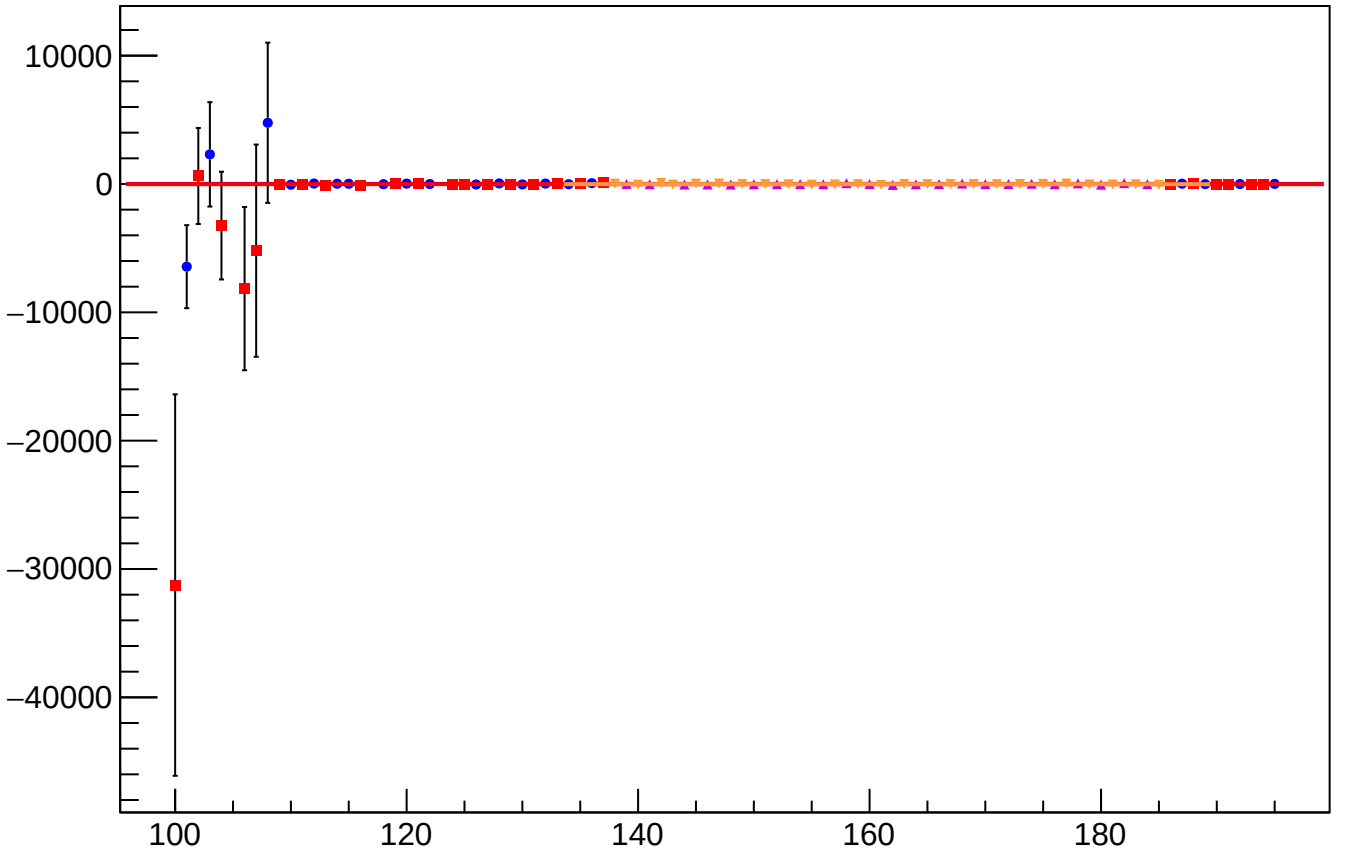
Right Out: 191.400+/-0.048 χ^2/NDF: 5221937.2/24

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 196.584+/-0.028 χ^2/NDF: 6469835.8/44

All: 191.338+/-0.019 χ^2/NDF: 13221932.5/92

- sign 186.512+/-0.027 χ^2/NDF: 6682938.3/47



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: -13.719+/-9.149 χ^2/NDF: 26.8/24

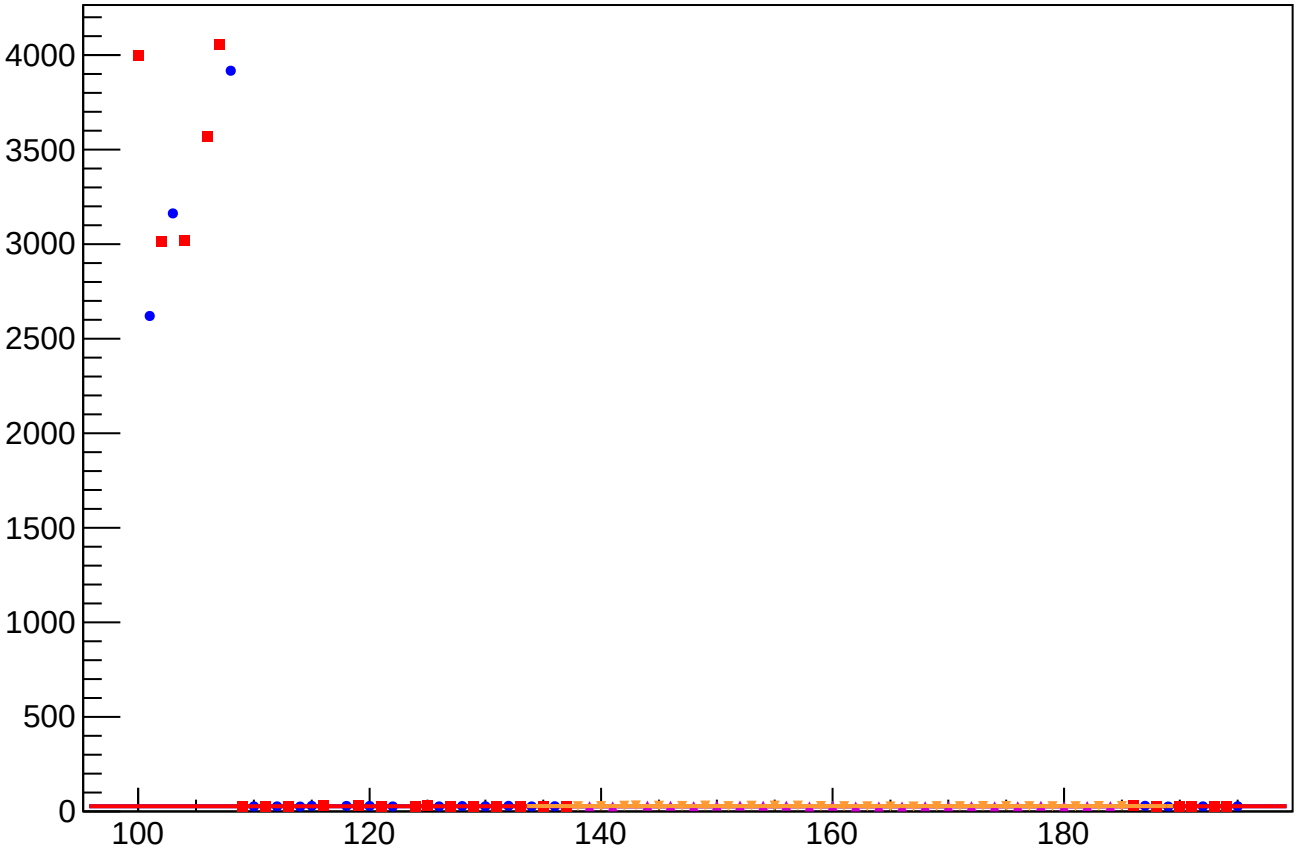
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.973+/-5.391 χ^2/NDF: 42.2/44

All: -7.092+/-3.818 χ^2/NDF: 98.4/92

- sign -6.206+/-5.407 χ^2/NDF: 56.1/47

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

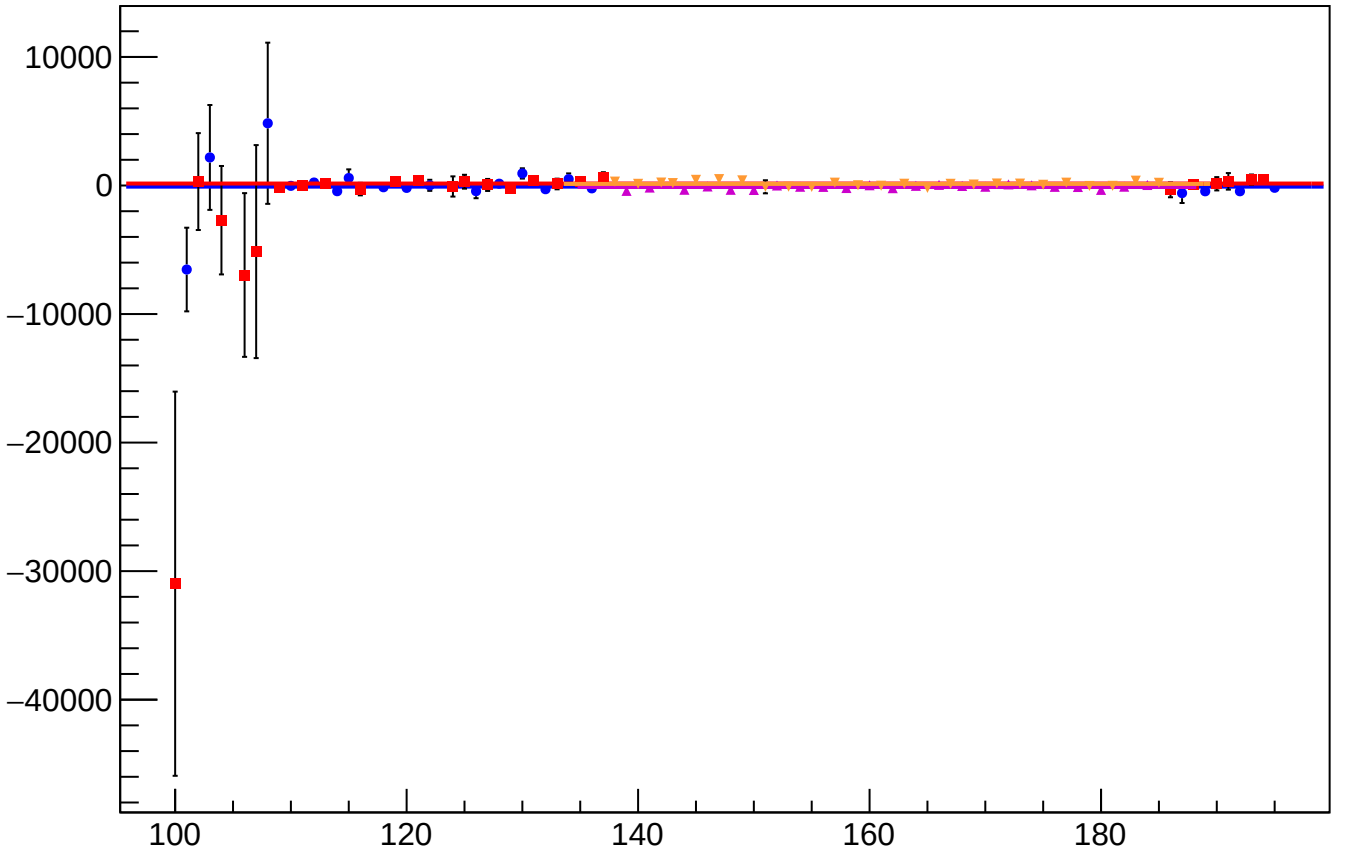
Right Out: 27.523+/-0.006 χ^2/NDF: 3579474.9/24

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 28.227+/-0.004 χ^2/NDF: 3380262.3/44

All: 28.227+/-0.003 χ^2/NDF: 7100908.0/92

\- sign 28.227+/-0.004 χ^2/NDF: 3720645.6/47



Right In: -88.106+/-70.470 χ^2/NDF: 22.0/19

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

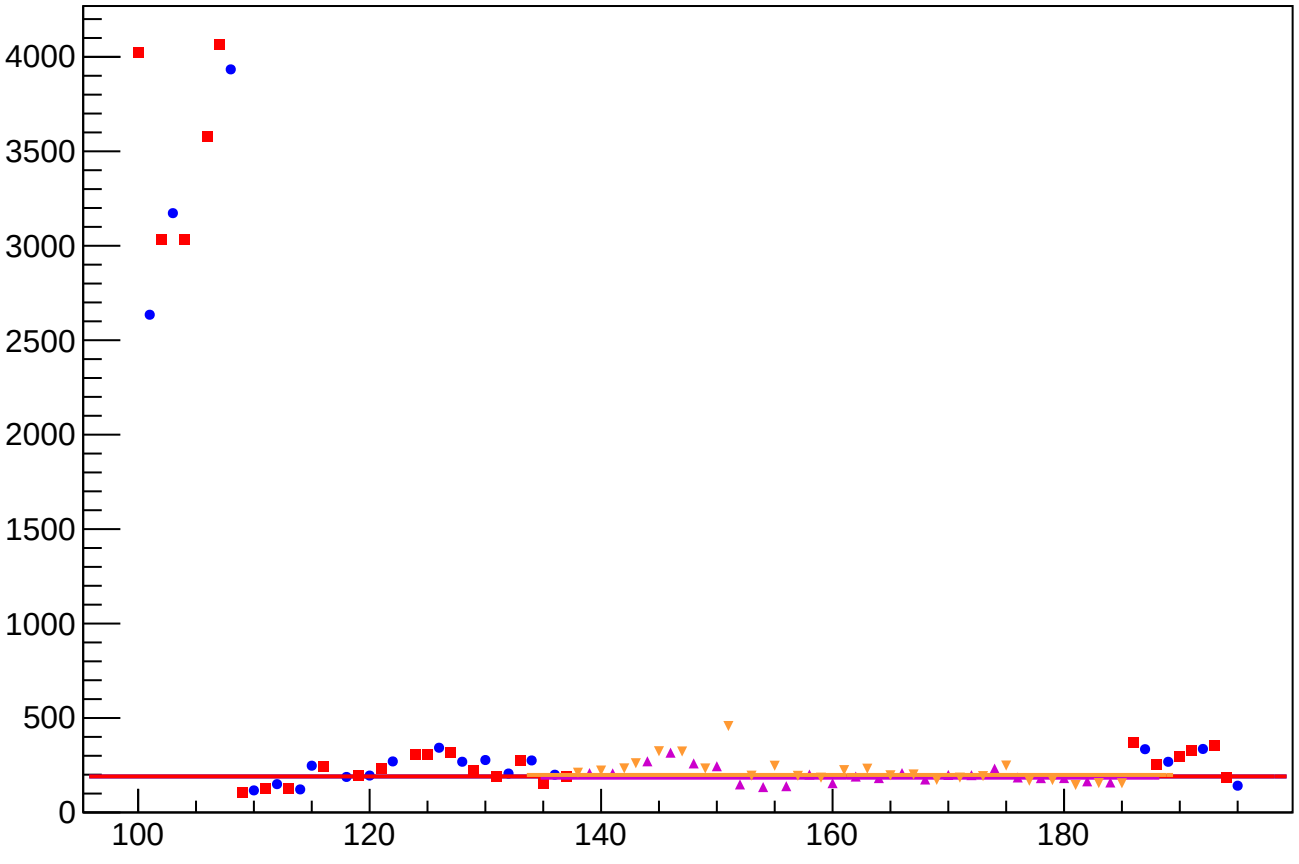
Right Out: 152.796+/-68.071 χ^2/NDF: 17.9/24

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 57.589+/-39.000 χ^2/NDF: 40.1/44

All: 9.391+/-26.999 χ^2/NDF: 80.2/92

- sign -34.966+/-37.414 χ^2/NDF: 37.2/47



Right In: 190.524+/-0.050 χ^2/NDF: 4563676.2/19

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

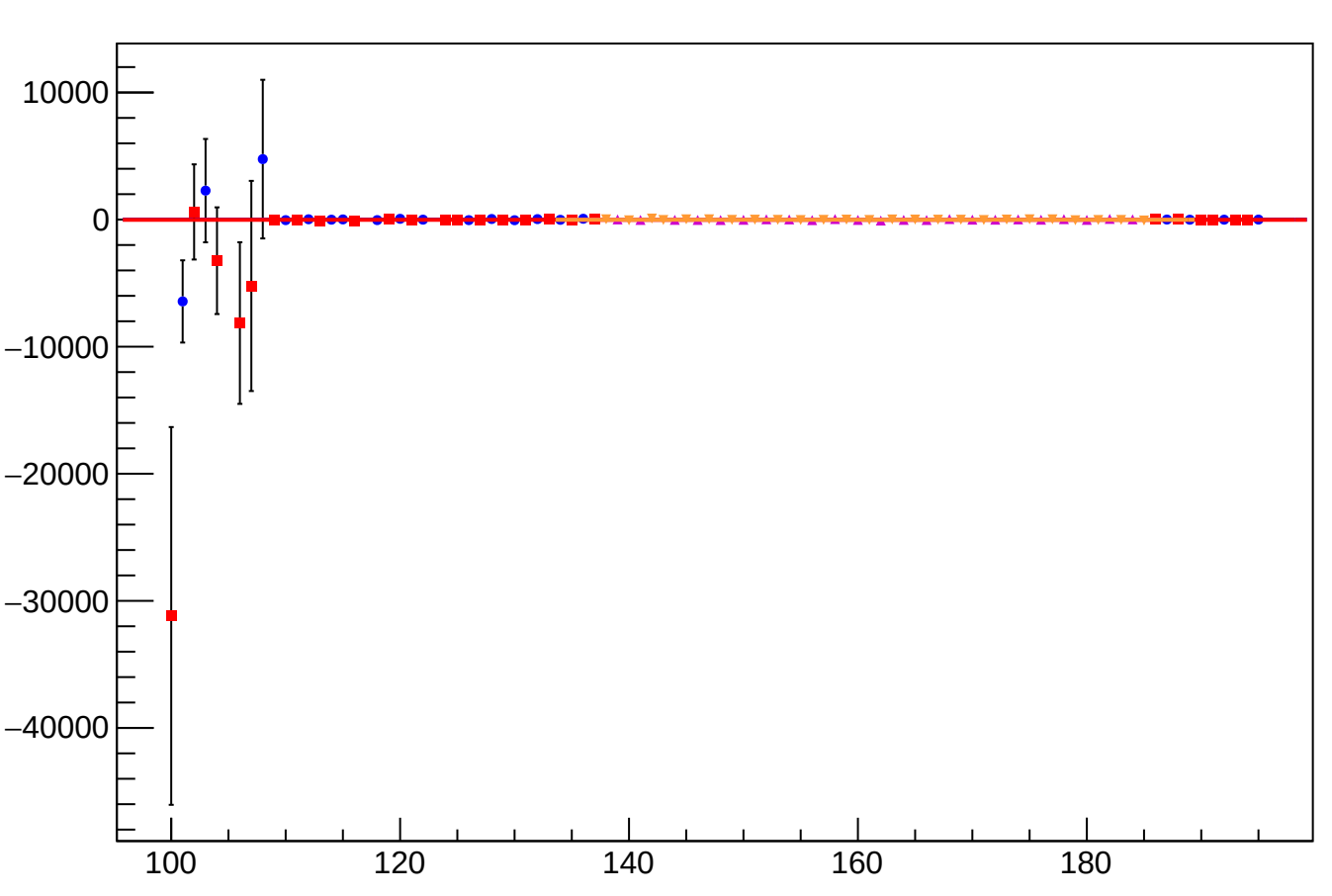
Right Out: 190.798+/-0.048 χ^2/NDF: 5240664.8/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.106+/-0.028 χ^2/NDF: 6483271.0/44

All: 190.890+/-0.019 χ^2/NDF: 13251777.0/92

- sign 186.089+/-0.026 χ^2/NDF: 6699805.1/47



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: -17.452+/-9.183 χ^2/NDF: 25.9/24

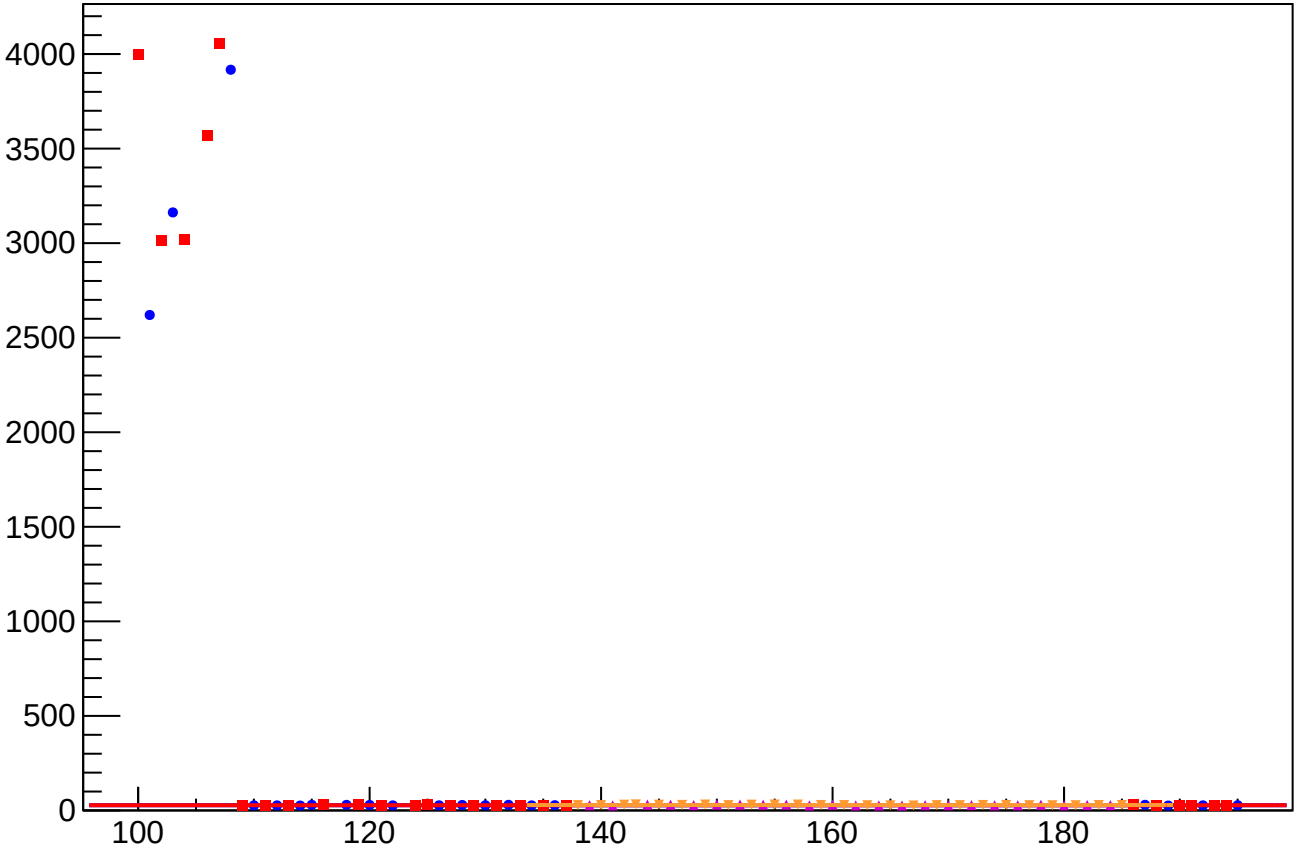
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.168+/-5.414 χ^2/NDF: 38.1/44

All: -7.471+/-3.834 χ^2/NDF: 87.9/92

- sign -7.776+/-5.429 χ^2/NDF: 49.8/47

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: 27.628+/-0.006 χ^2/NDF: 3577447.9/24

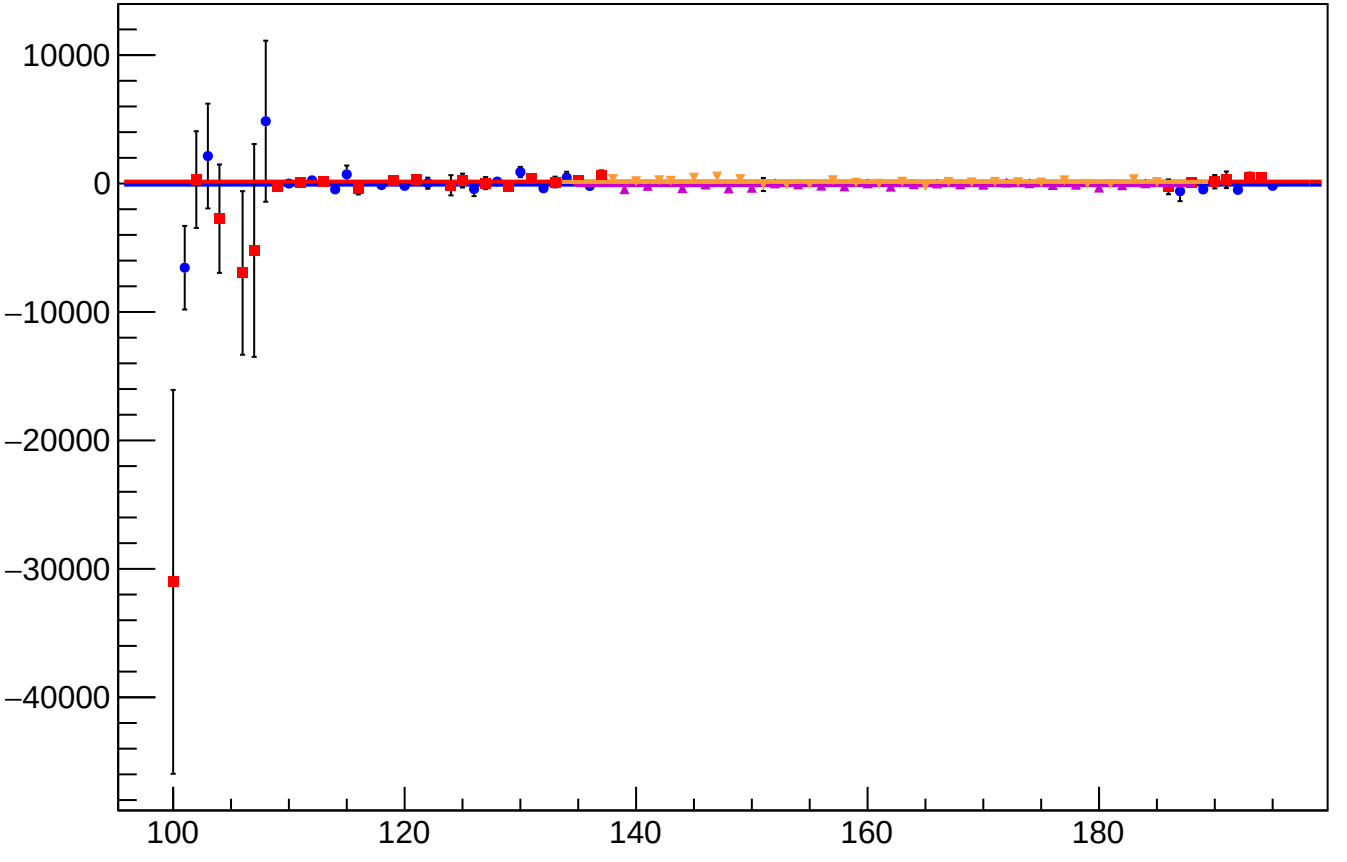
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.345+/-0.004 χ^2/NDF: 3393139.0/44

All: 28.344+/-0.003 χ^2/NDF: 7116633.9/92

- sign 28.343+/-0.004 χ^2/NDF: 3723494.9/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



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: 152.409+/-68.834 χ^2/NDF: 16.8/24

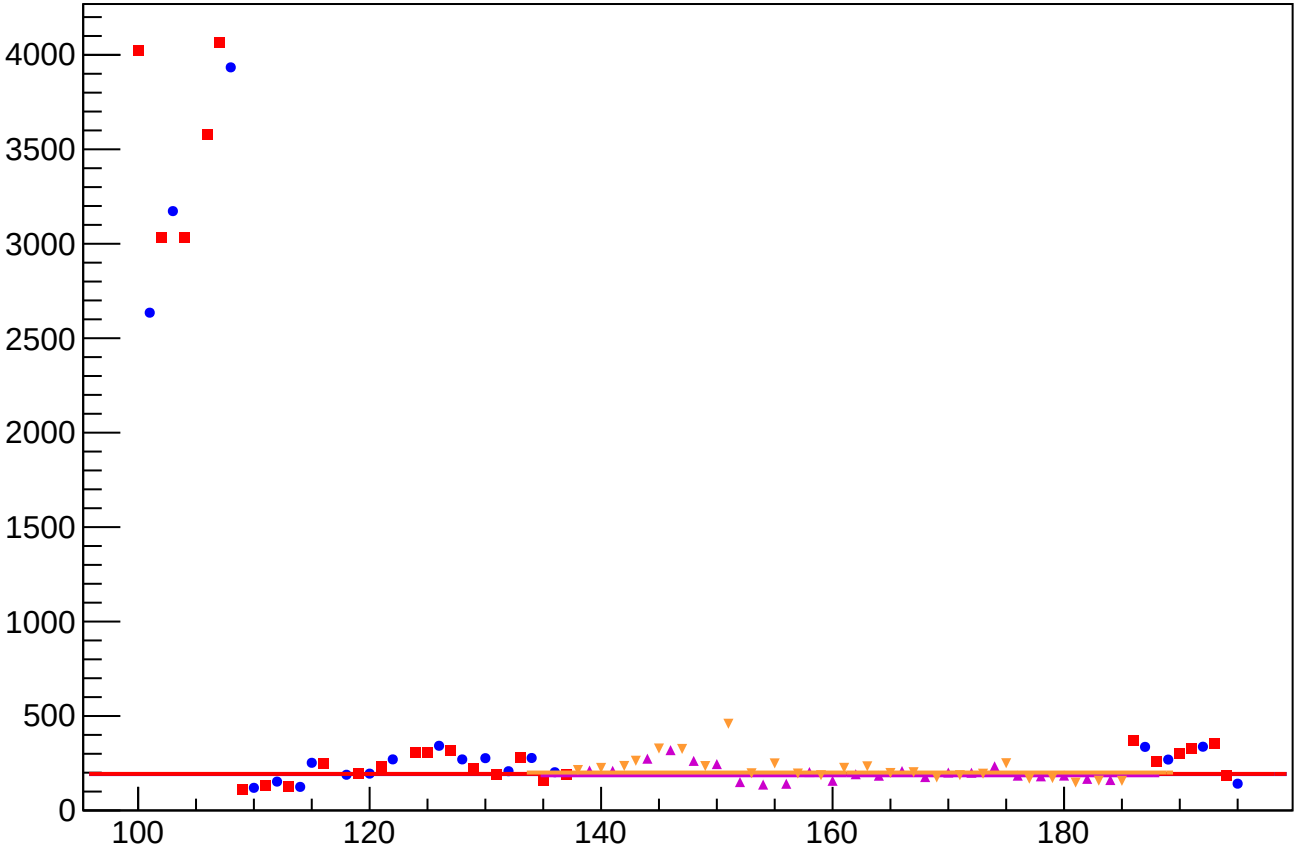
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 59.212+/-39.384 χ^2/NDF: 39.7/44

All: 7.663+/-27.280 χ^2/NDF: 79.4/92

- sign -39.880+/-37.823 χ^2/NDF: 36.5/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 192.579+/-0.050 χ^2/NDF: 4520533.9/19

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

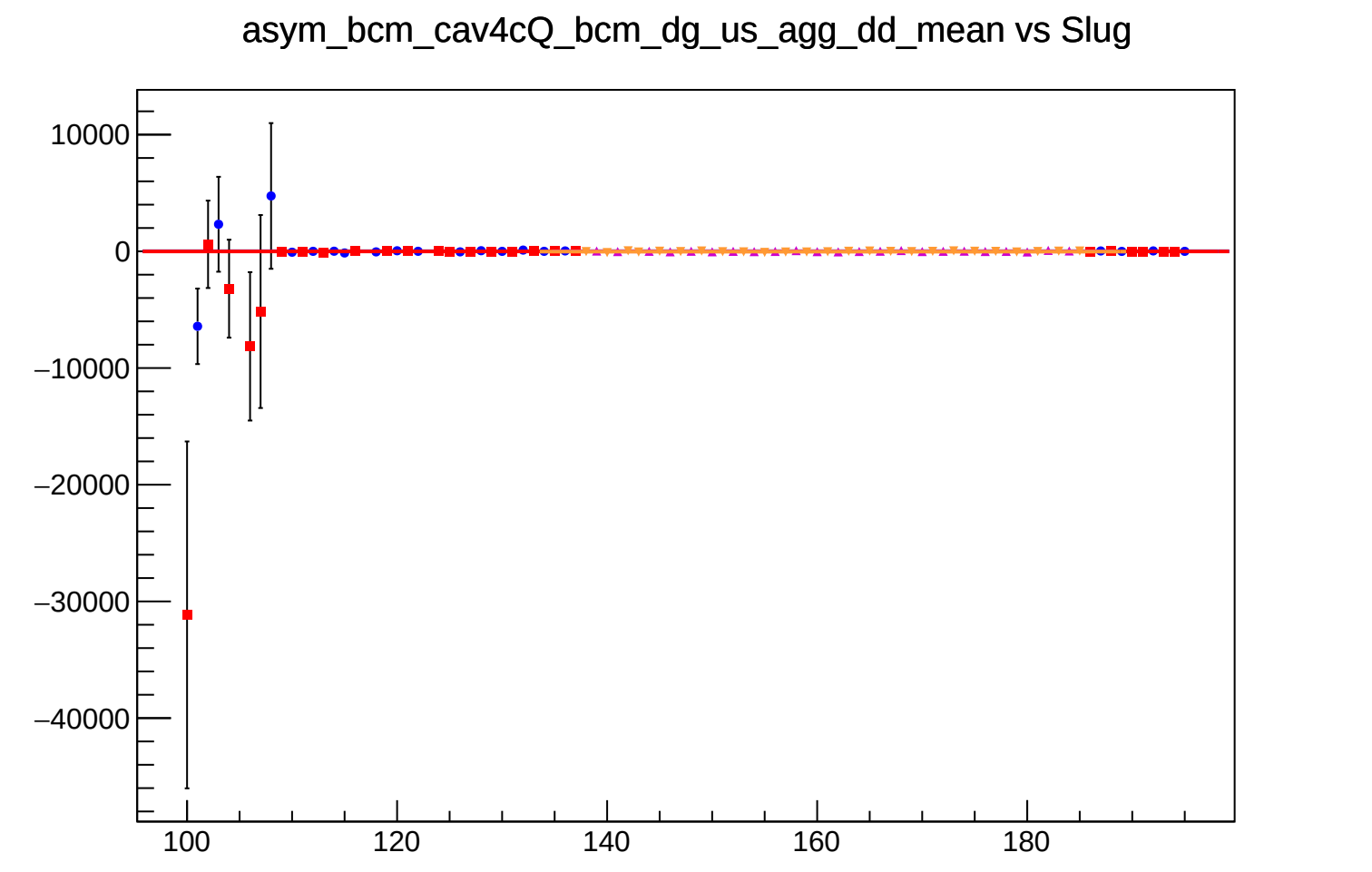
Right Out: 193.485+/-0.049 χ^2/NDF: 5154665.3/24

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 198.200+/-0.028 χ^2/NDF: 6418634.3/44

All: 193.090+/-0.019 χ^2/NDF: 13067162.3/92

- sign 188.378+/-0.027 χ^2/NDF: 6583825.0/47



Right In: 8.942+/-11.765 χ^2/NDF: 18.4/19

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -7.250+/-11.186 χ^2/NDF: 25.9/24

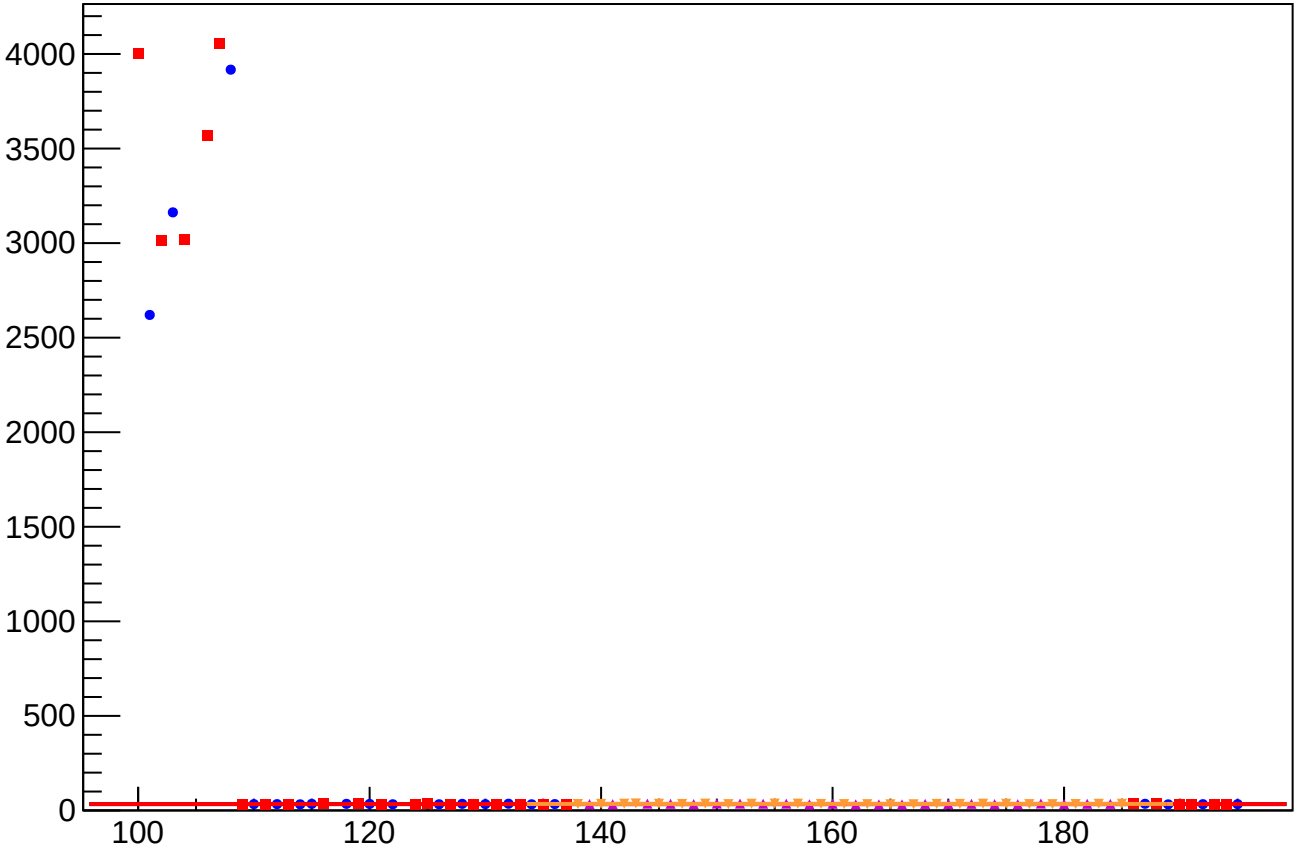
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.958+/-6.521 χ^2/NDF: 45.9/44

All: -5.927+/-4.622 χ^2/NDF: 93.1/92

- sign 0.159+/-6.552 χ^2/NDF: 45.5/47

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

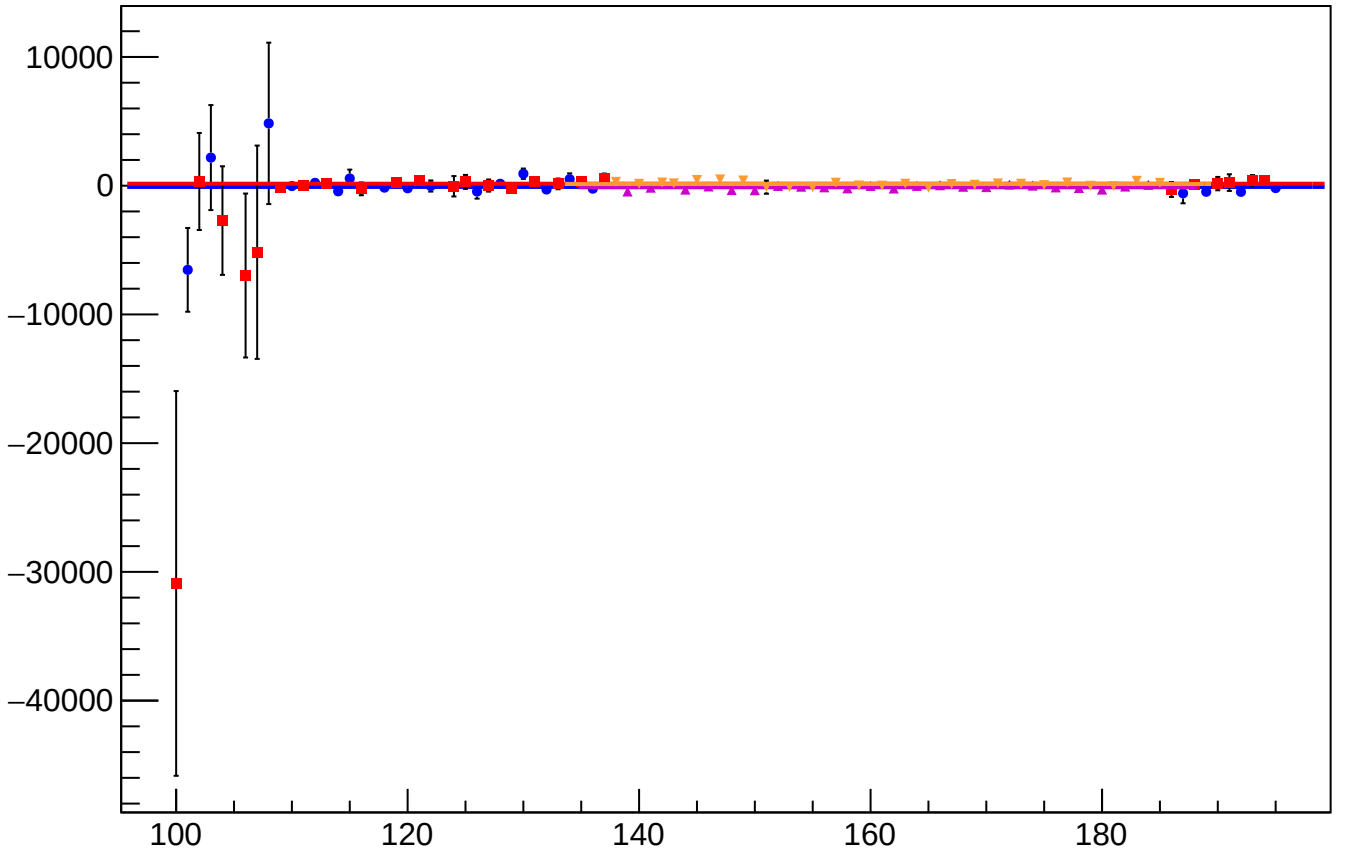
Right Out: 33.721+/-0.008 χ^2/NDF: 3537365.8/24

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: 6903763.7/92

- sign 34.267+/-0.005 χ^2/NDF: 3603894.7/47



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: 154.610+/-68.482 χ^2/NDF: 16.3/24

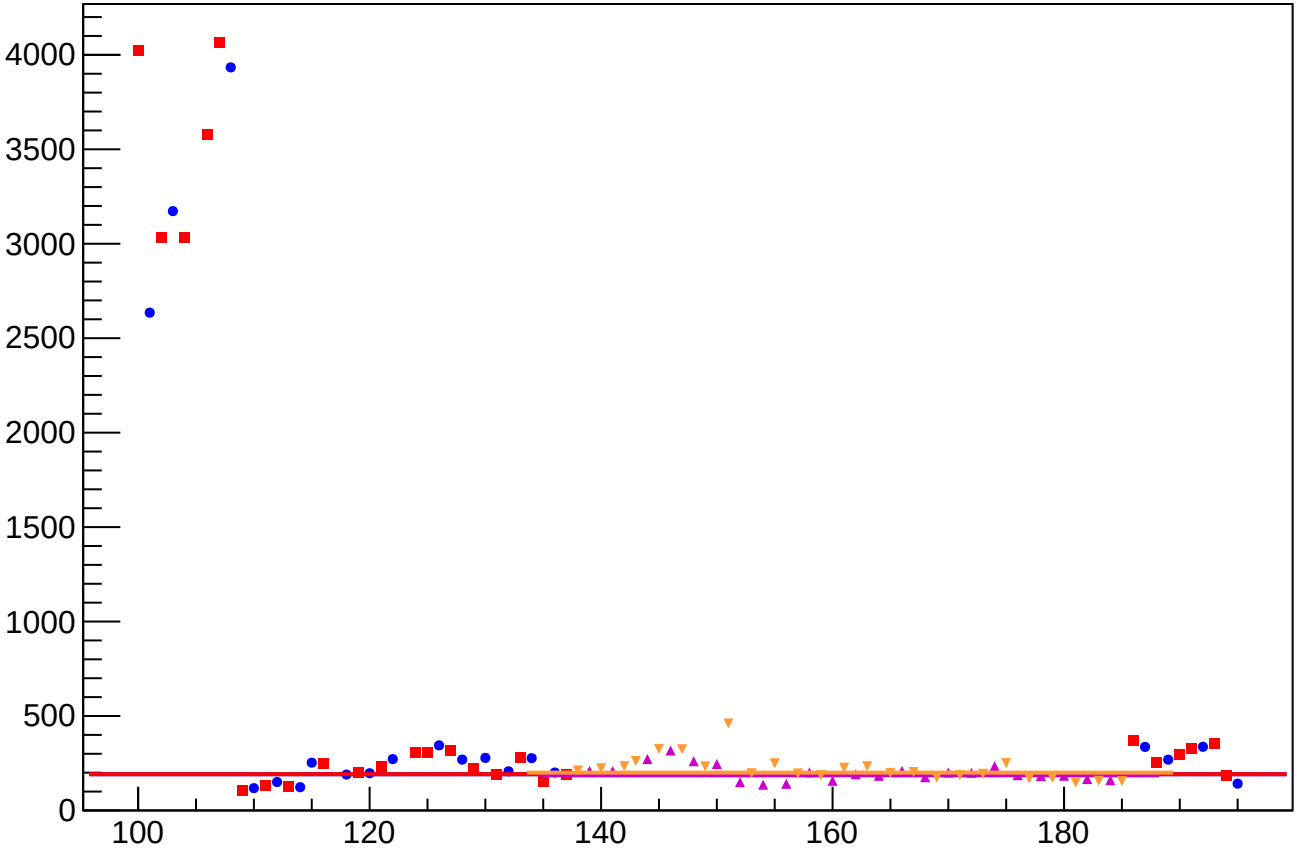
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 58.733+/-39.298 χ^2/NDF: 40.6/44

All: 8.060+/-27.214 χ^2/NDF: 79.4/92

- sign -38.632+/-37.723 χ^2/NDF: 35.7/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



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: 192.102+/-0.048 χ^2/NDF: 5218464.7/24

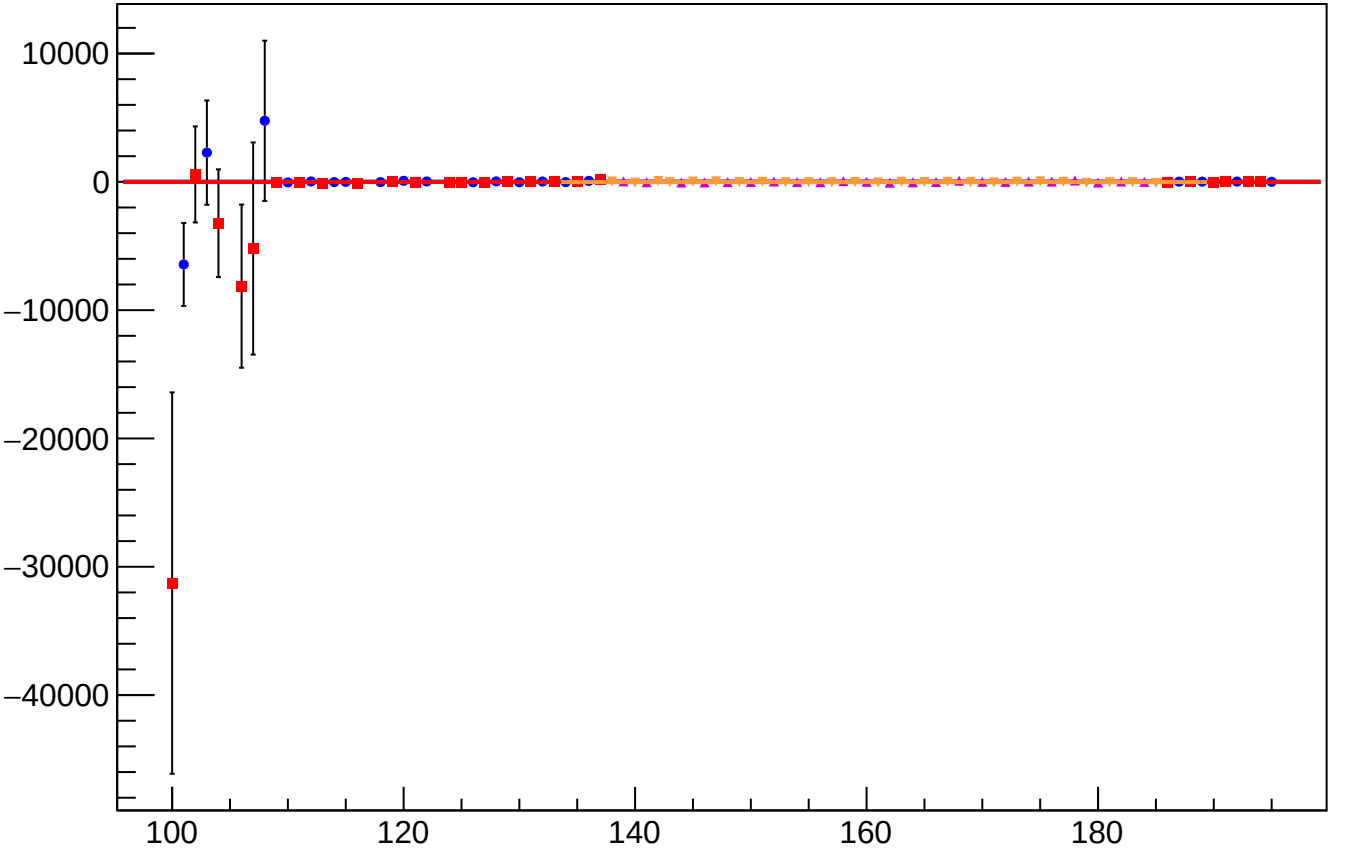
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.679+/-0.028 χ^2/NDF: 6453659.0/44

All: 192.518+/-0.019 χ^2/NDF: 13155469.7/92

- sign 187.762+/-0.027 χ^2/NDF: 6635520.5/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



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: -10.661+/-10.151 χ^2/NDF: 33.0/24

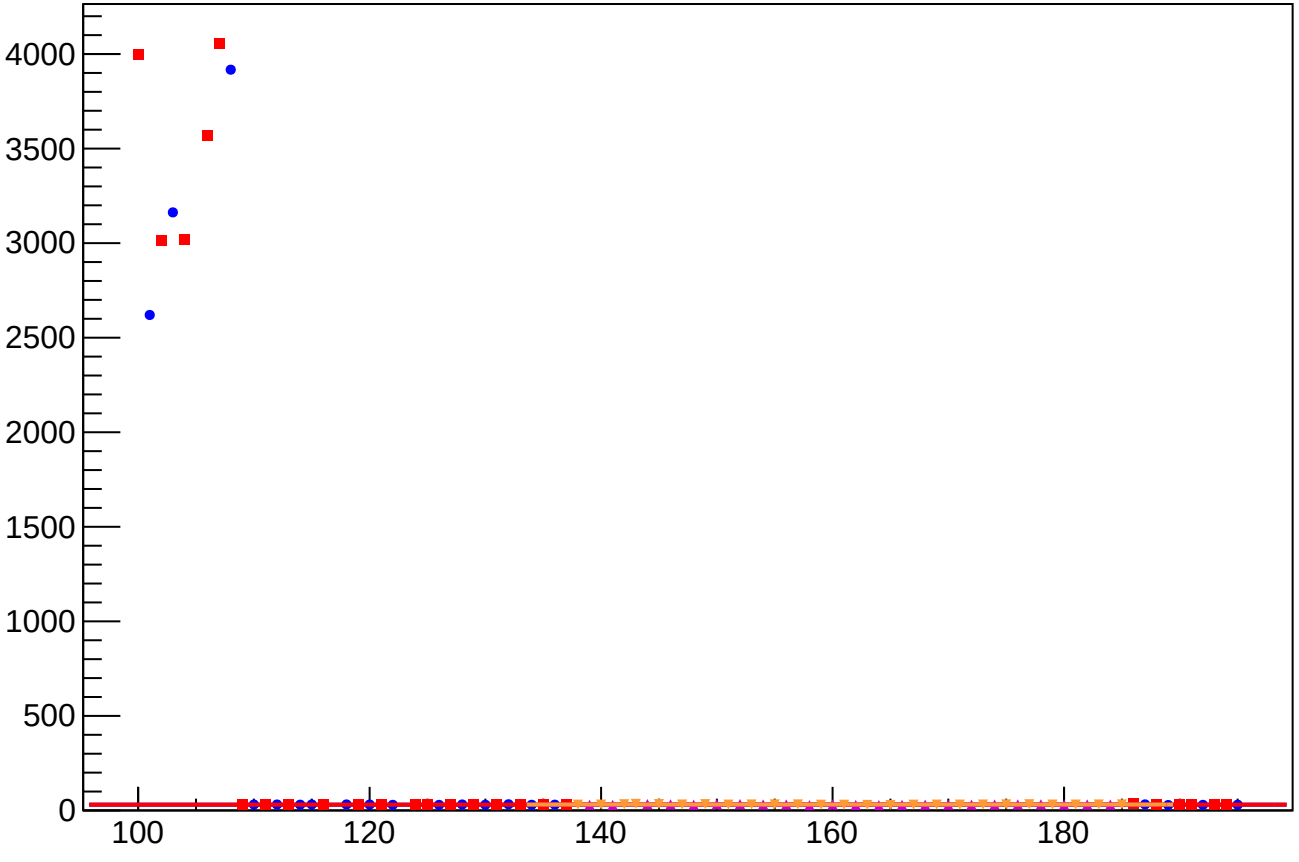
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.618+/-5.934 χ^2/NDF: 42.3/44

All: -5.263+/-4.202 χ^2/NDF: 112.6/92

- sign -1.888+/-5.952 χ^2/NDF: 69.7/47

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

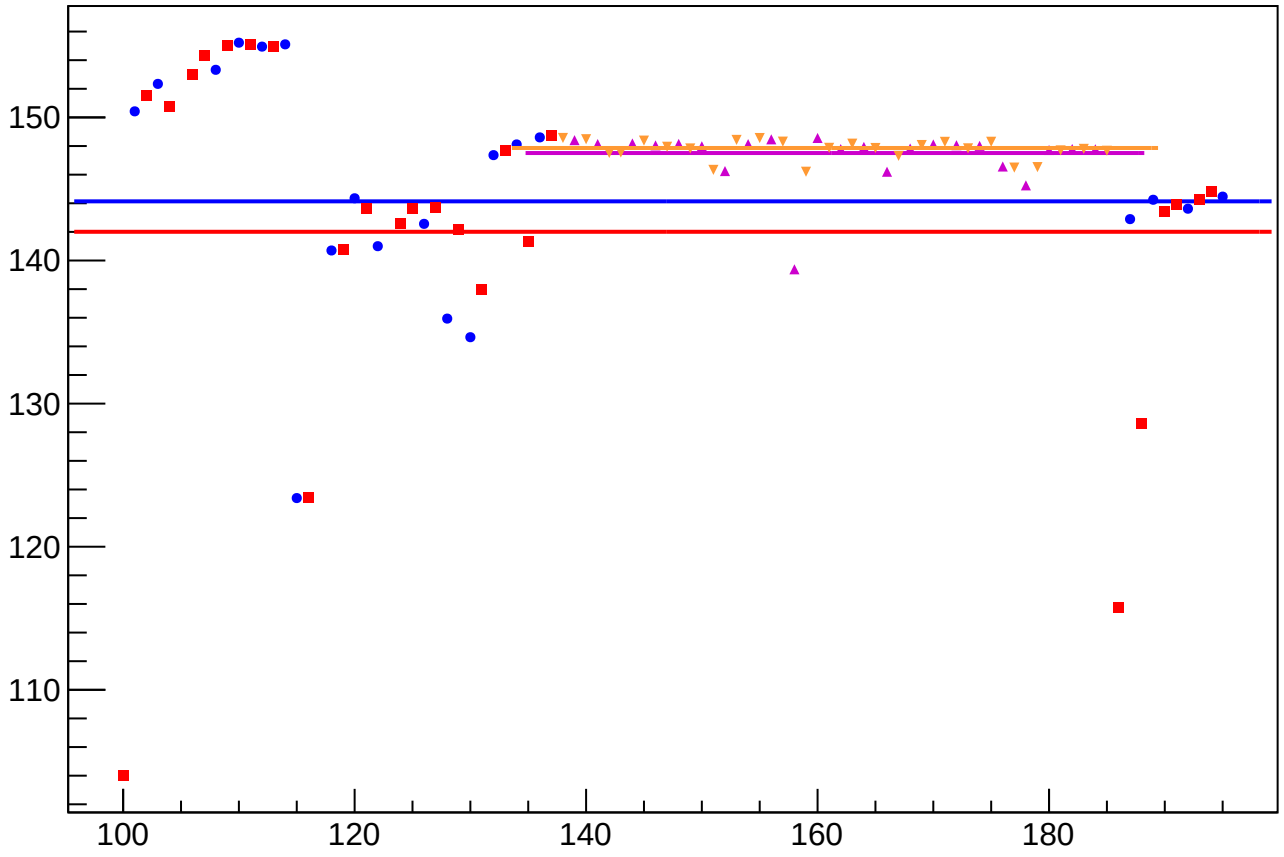
Right Out: 30.567+/-0.007 χ^2/NDF: 3553202.9/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.092+/-0.004 χ^2/NDF: 3332668.8/44

All: 31.096+/-0.003 χ^2/NDF: 6979506.1/92

- sign 31.100+/-0.004 χ^2/NDF: 3646835.5/47



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: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

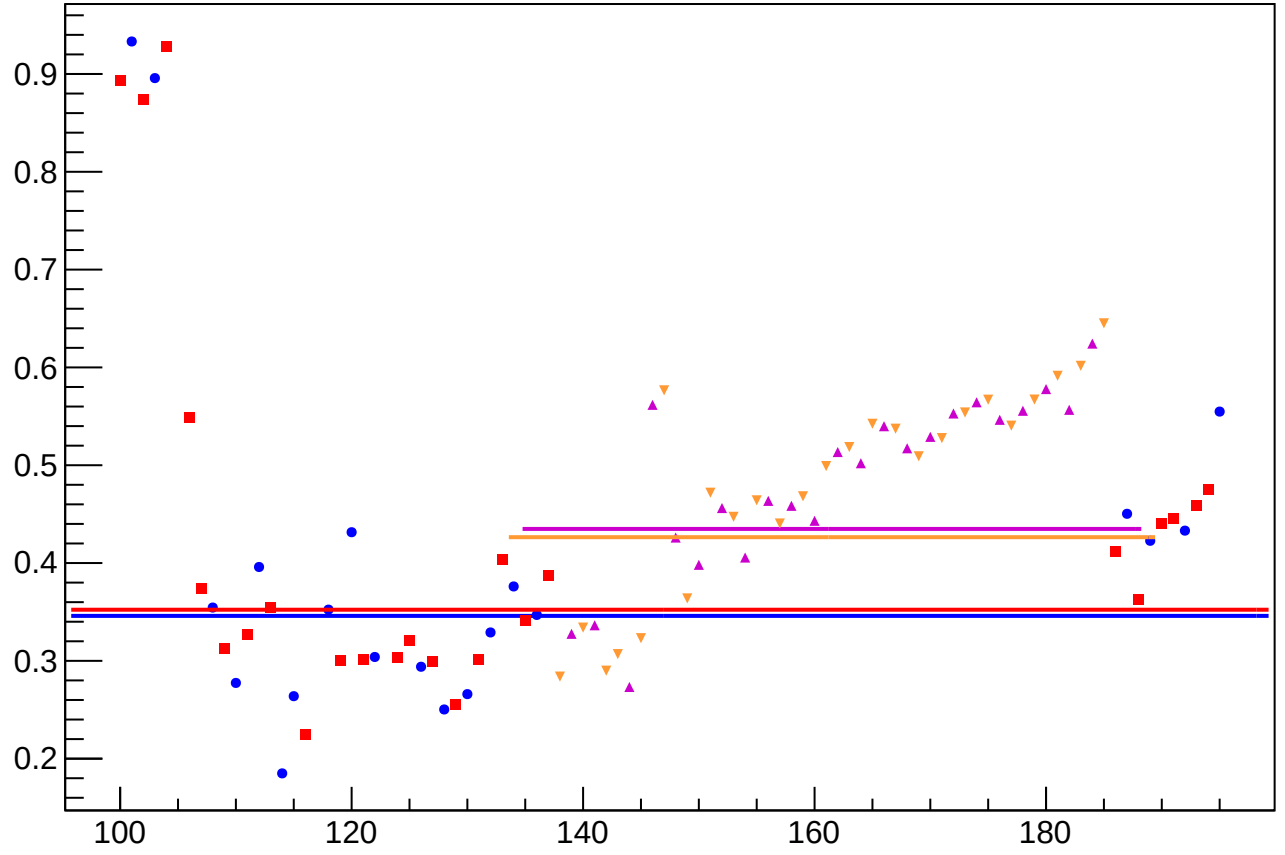
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.322+/-0.000 χ^2/NDF: 4330470773.8/44

All: 145.650+/-0.000 χ^2/NDF: 13488899812.

- sign 144.977+/-0.000 χ^2/NDF: 9008776556.7/47

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

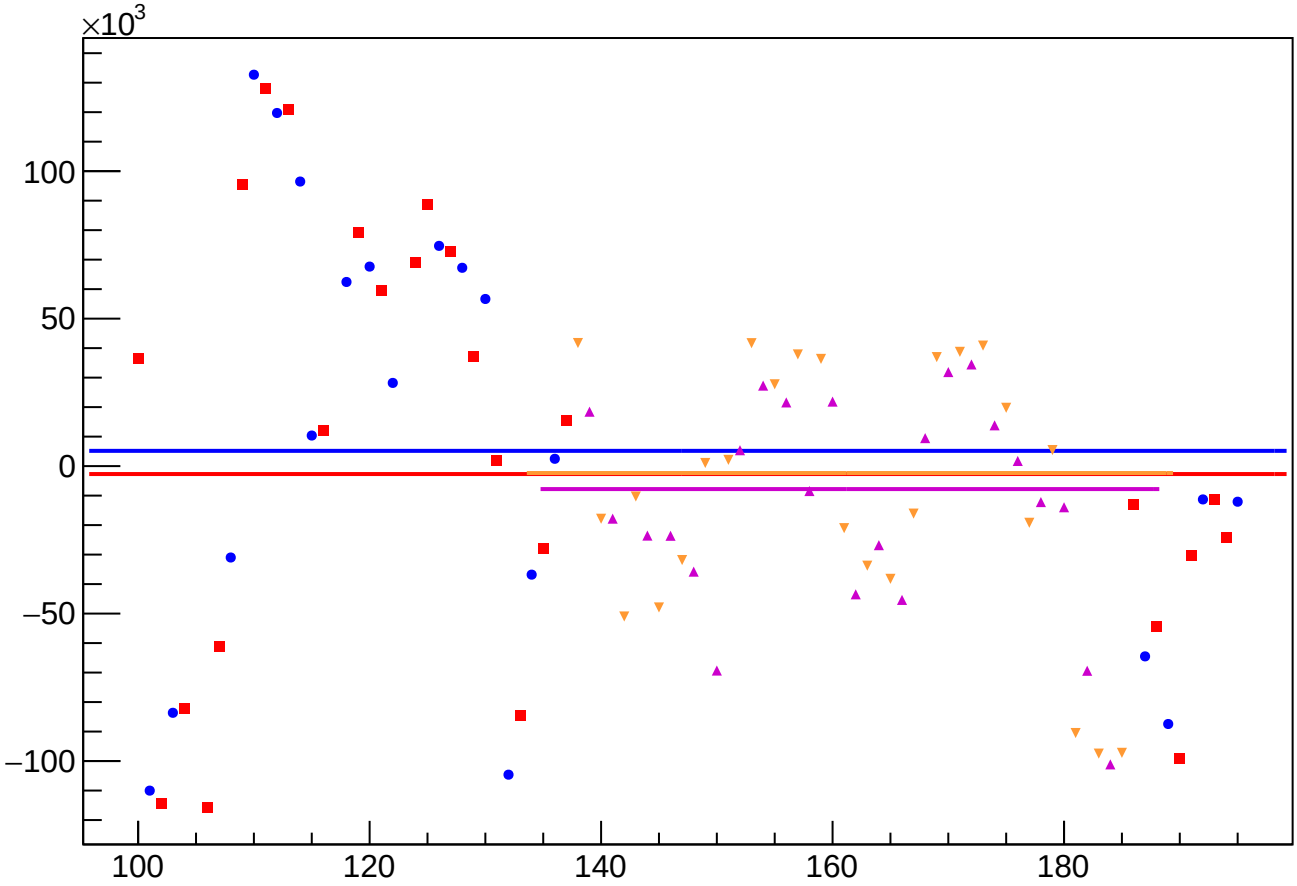
Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.393+/-0.000 χ^2/NDF: 4607831.6/44

All: 0.395+/-0.000 χ^2/NDF: 8579255.7/92

- sign 0.397+/-0.000 χ^2/NDF: 3969187.7/47



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: -2689.975+/-1.570 χ^2/NDF: 2162732519.2/24

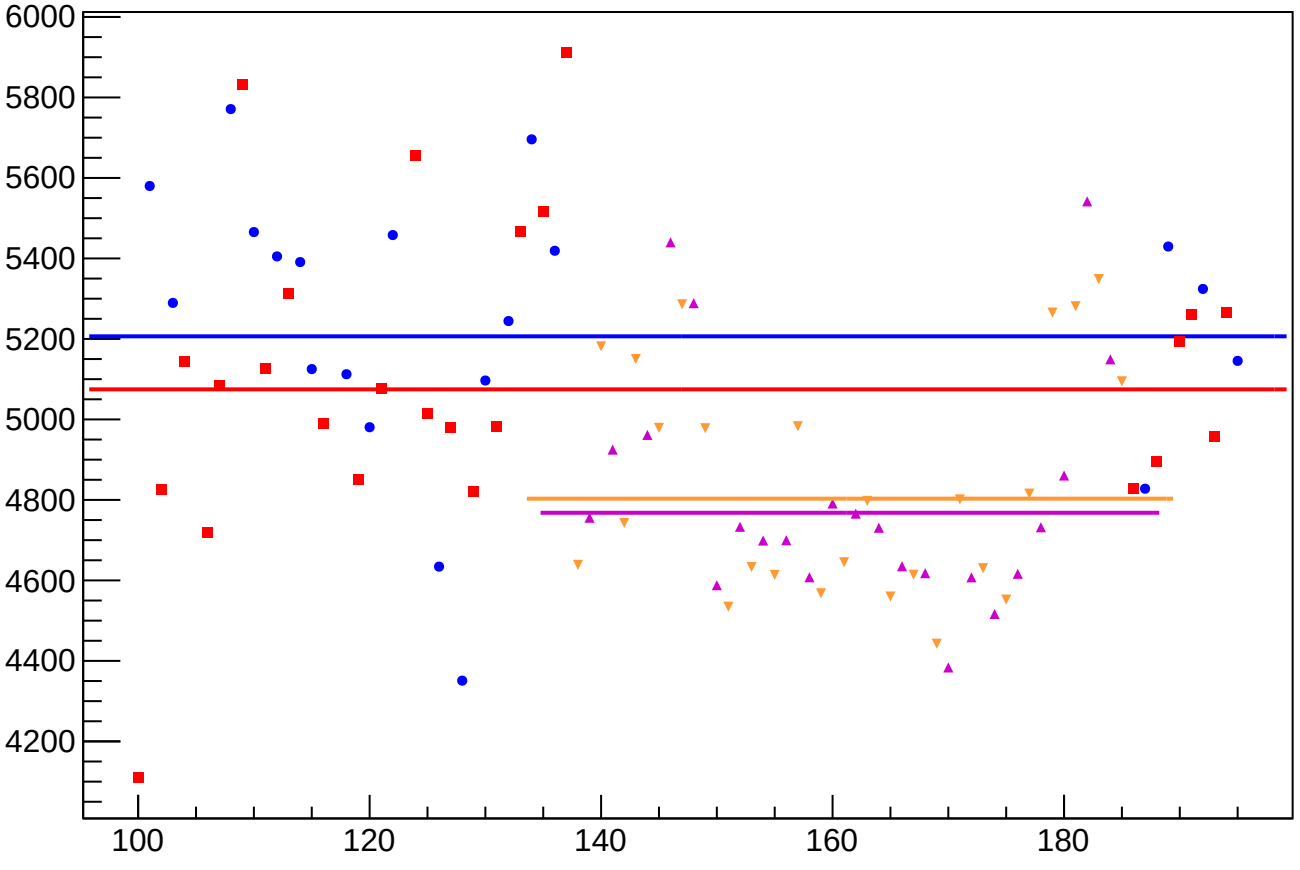
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -108.306+/-0.941 χ^2/NDF: 2876203960.0/44

All: -3116.016+/-0.660 χ^2/NDF: 582837445

- sign -6019.092+/-0.925 χ^2/NDF: 2932112155.5/47

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: 5074.702+/-1.110 χ^2/NDF: 67835.7/24

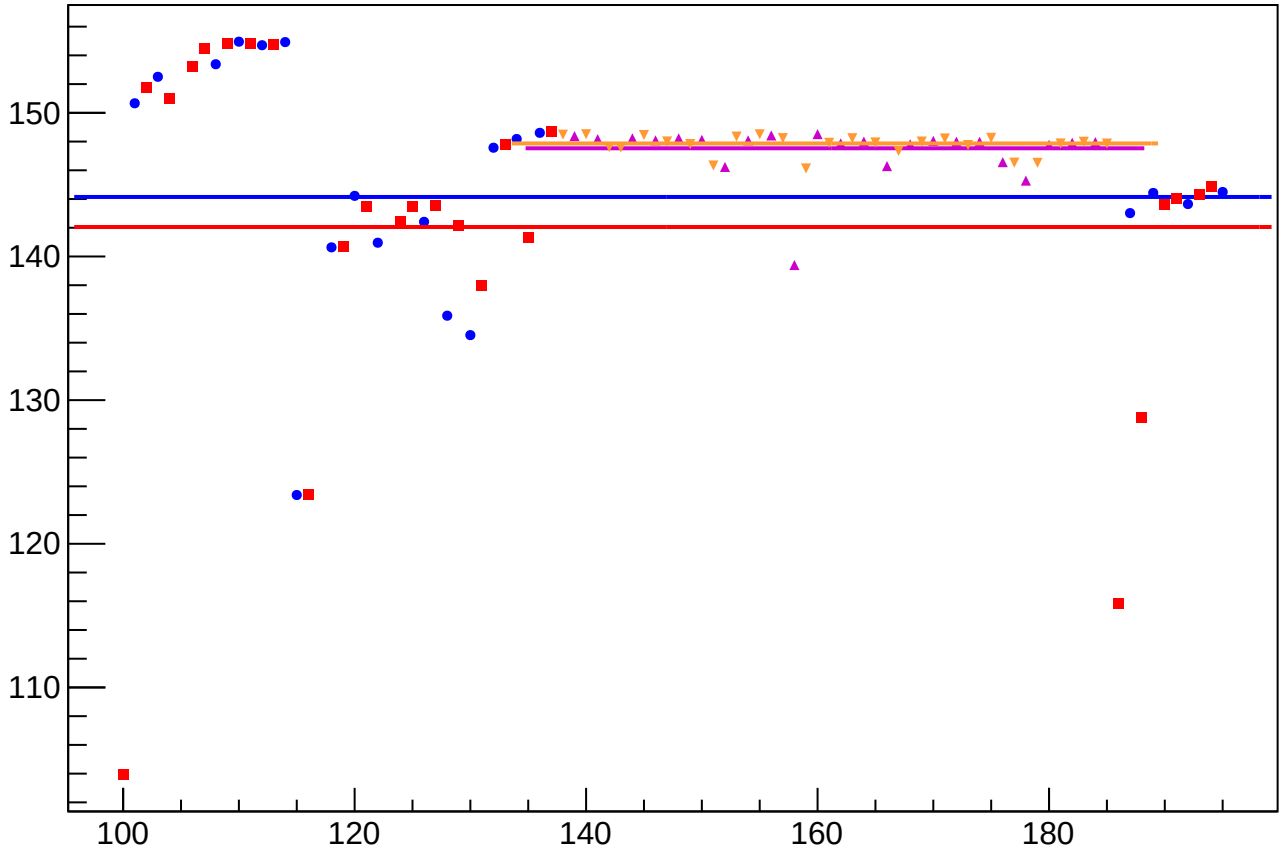
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4923.141+/-0.666 χ^2/NDF: 273466.6/44

All: 4898.363+/-0.467 χ^2/NDF: 496190.1/92

- sign 4874.448+/-0.654 χ^2/NDF: 220001.0/47

yield_bcm_an_ds_mean vs Slug



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: 142.052+/-0.000 χ^2/NDF: 7430774951.9/24

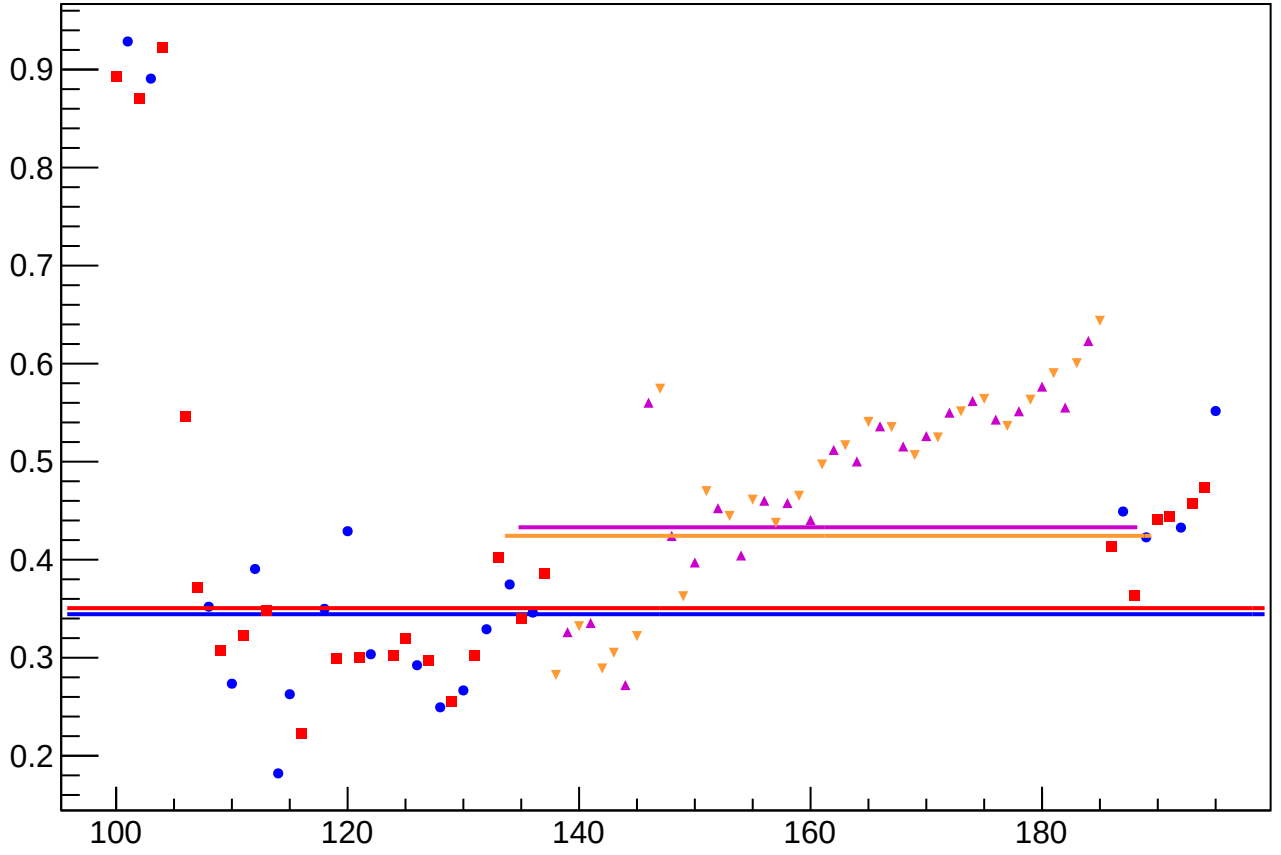
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.330+/-0.000 χ^2/NDF: 4374352968.5/44

All: 145.669+/-0.000 χ^2/NDF: 13502144769.

- sign 145.008+/-0.000 χ^2/NDF: 8981965136.6/47

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

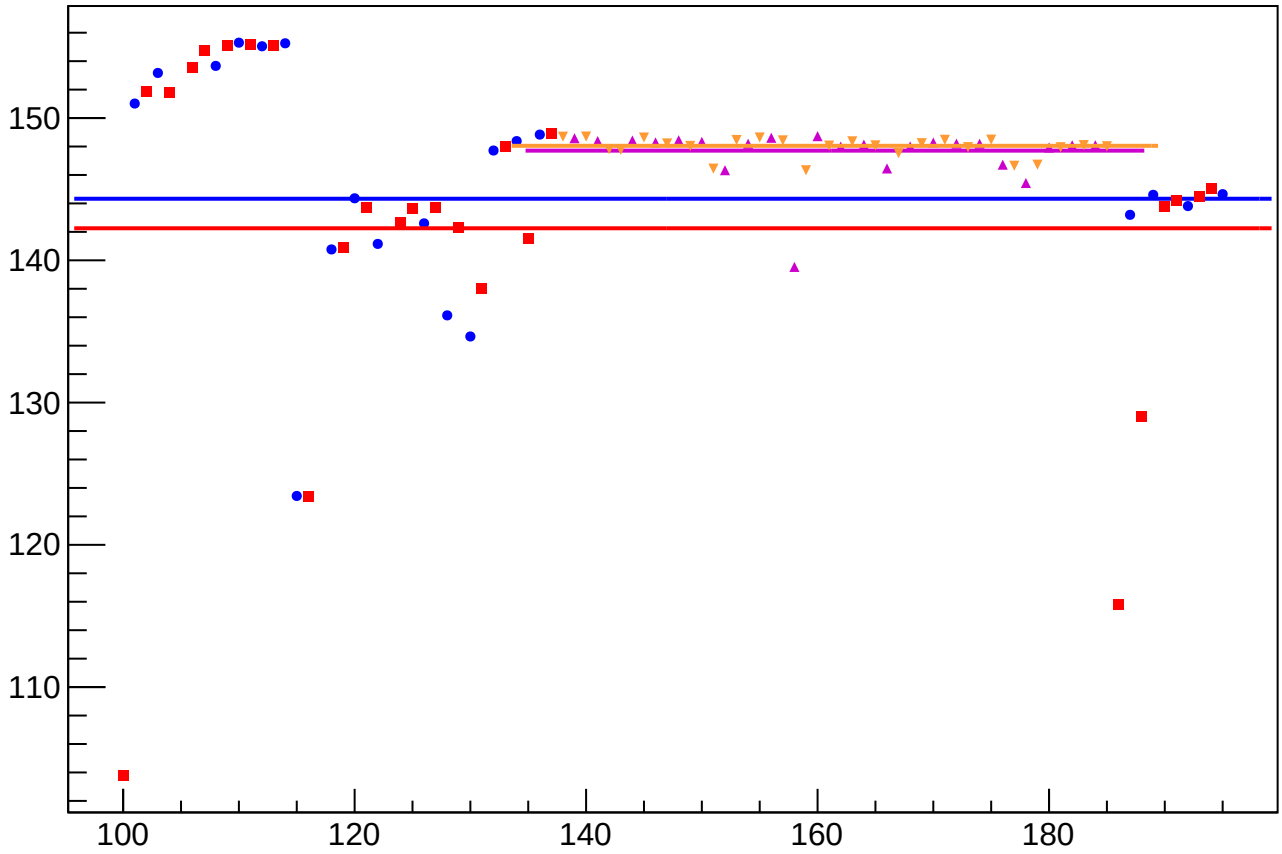
Right Out: 0.351+/-0.000 χ^2/NDF: 1641755.2/24

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.391+/-0.000 χ^2/NDF: 4611670.8/44

All: 0.393+/-0.000 χ^2/NDF: 8590434.6/92

- sign 0.395+/-0.000 χ^2/NDF: 3976413.5/47



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: 142.253+/-0.000 χ^2/NDF: 7367091128.1/24

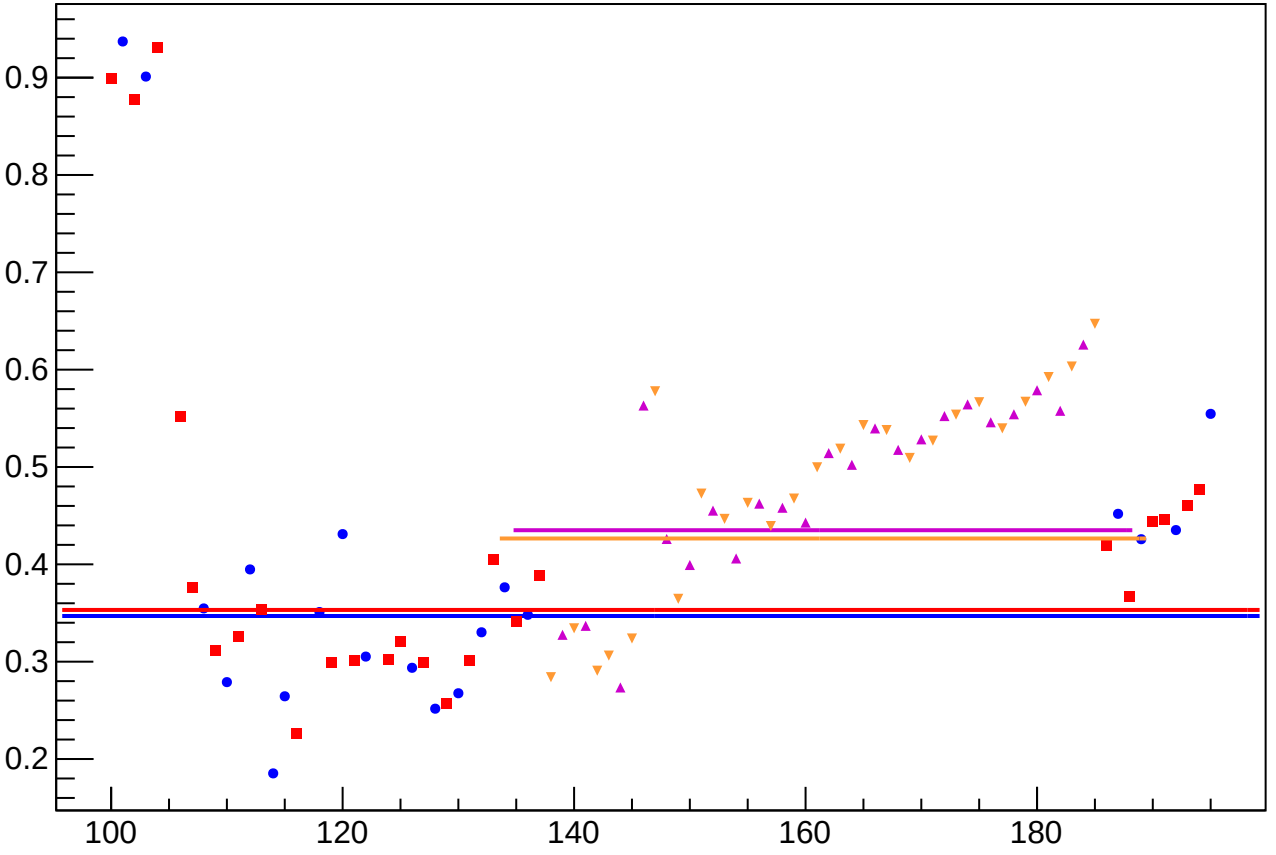
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.515+/-0.000 χ^2/NDF: 4359888101.4/44

All: 145.860+/-0.000 χ^2/NDF: 13399590566.

- sign 145.204+/-0.000 χ^2/NDF: 8897926647.3/47

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

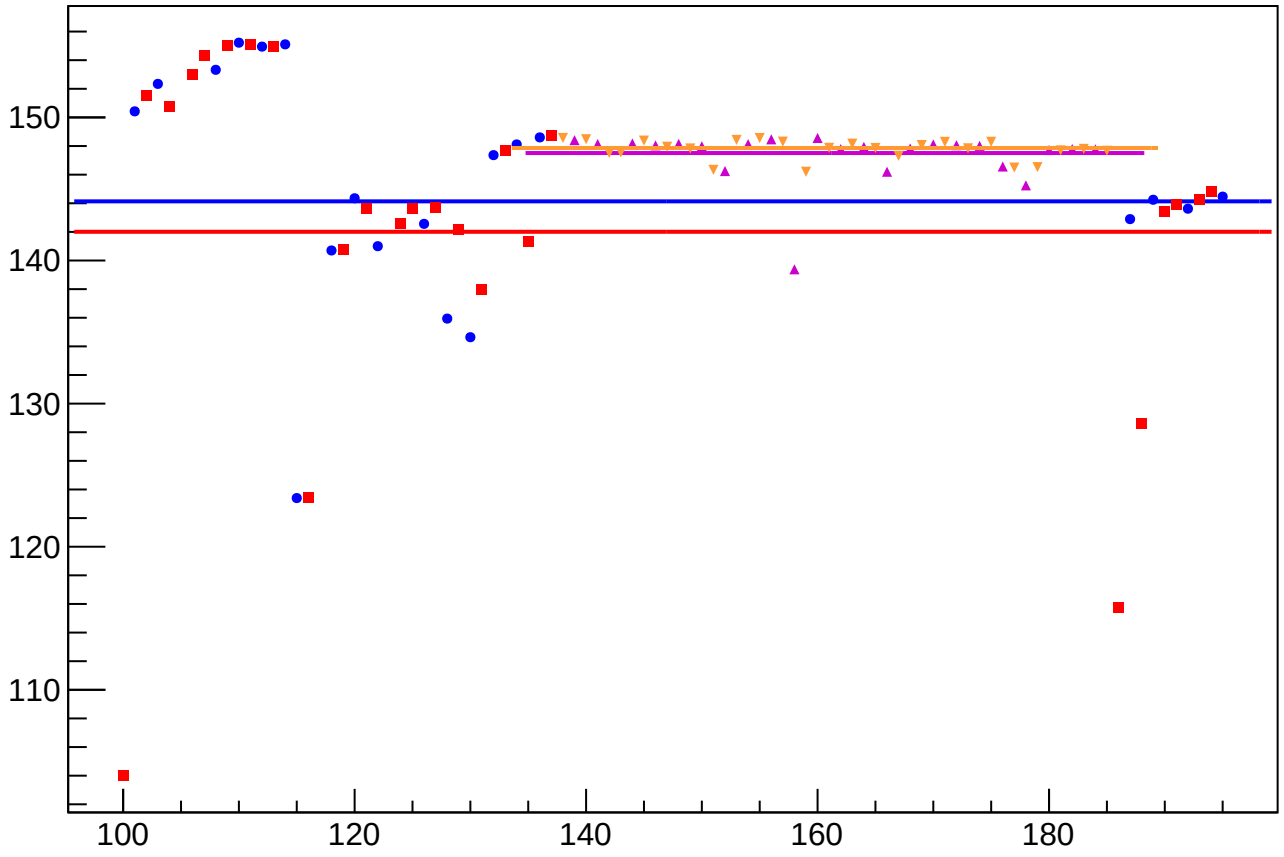
Right Out: 0.353+/-0.000 χ^2/NDF: 1643631.8/24

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.394+/-0.000 χ^2/NDF: 4590649.4/44

All: 0.396+/-0.000 χ^2/NDF: 8555430.8/92

- sign 0.397+/-0.000 χ^2/NDF: 3962502.2/47



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: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

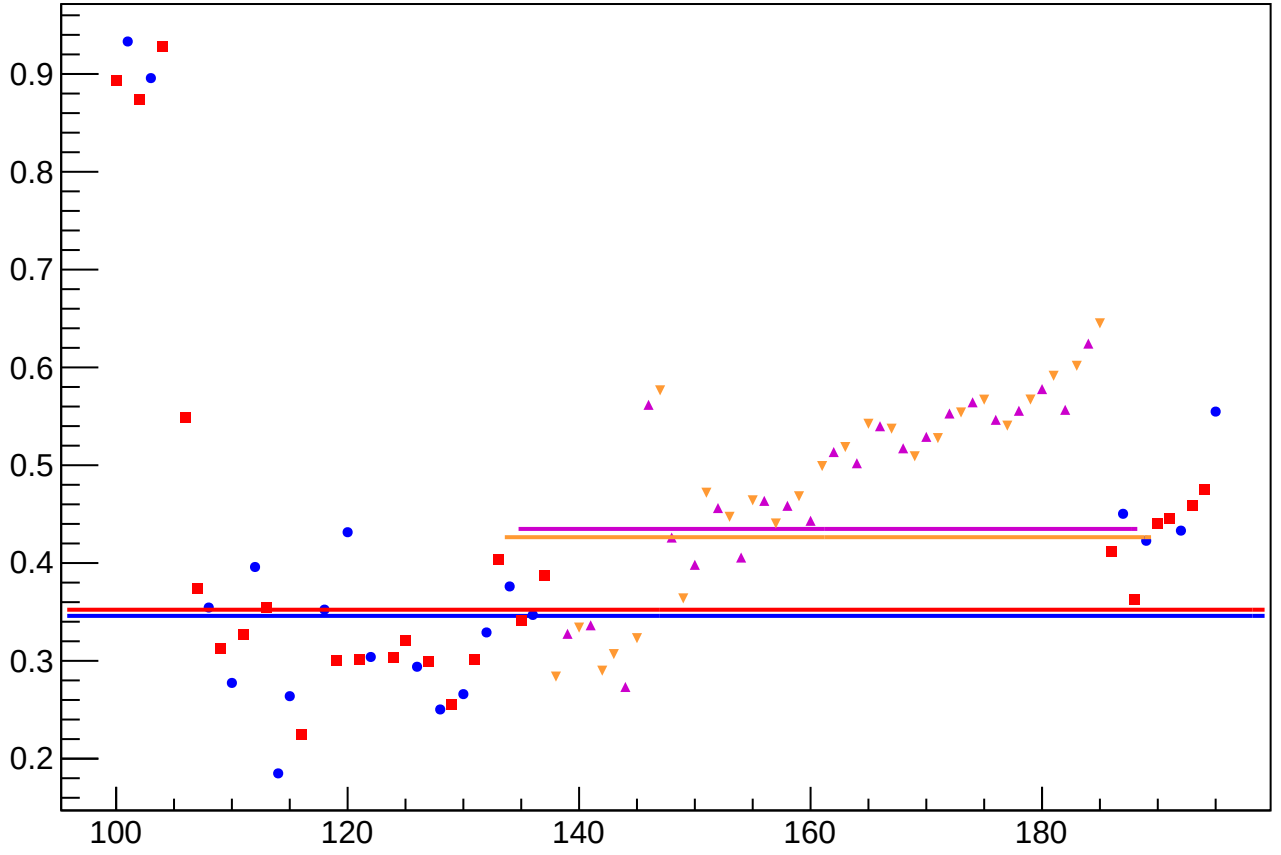
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.322+/-0.000 χ^2/NDF: 4330470773.8/44

All: 145.650+/-0.000 χ^2/NDF: 13488899812.

- sign 144.977+/-0.000 χ^2/NDF: 9008776556.7/47

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

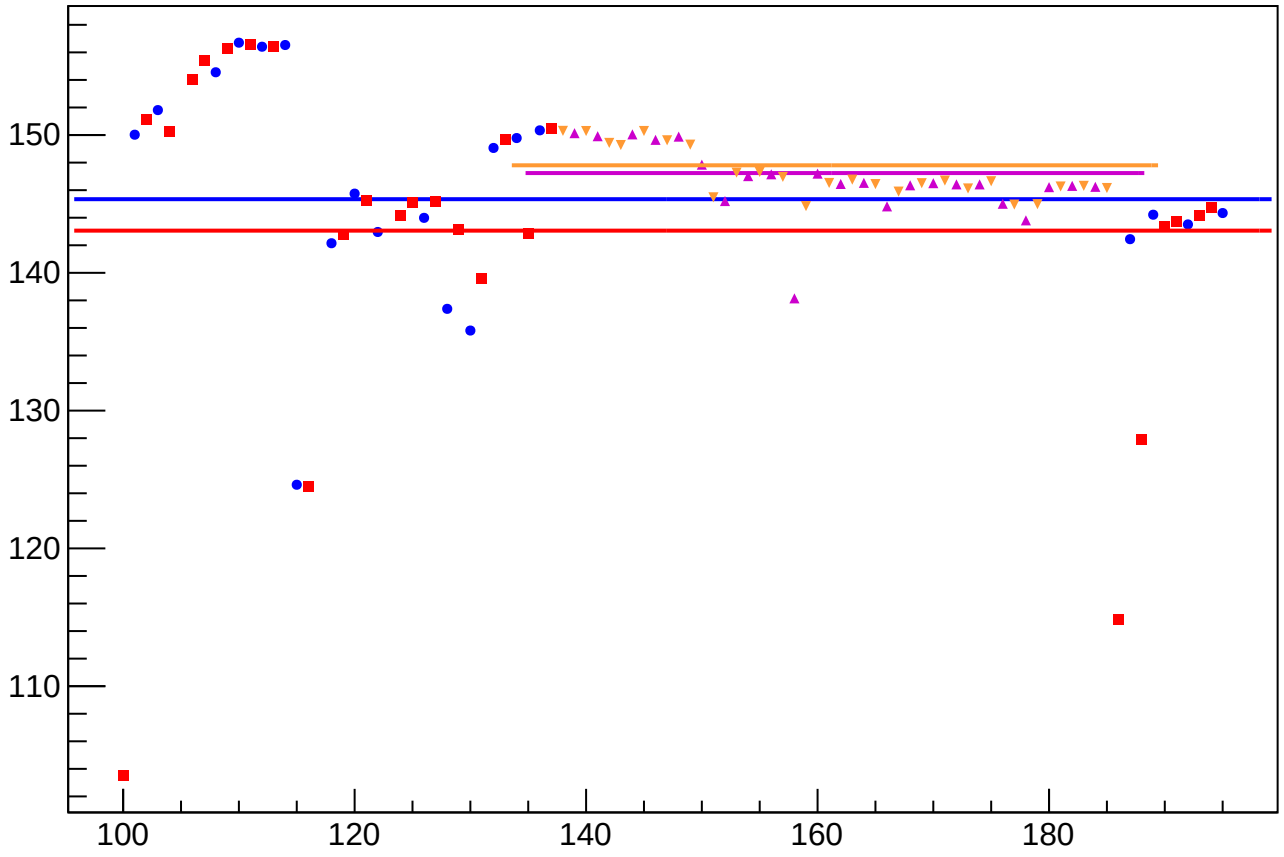
Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.393+/-0.000 χ^2/NDF: 4607831.6/44

All: 0.395+/-0.000 χ^2/NDF: 8579255.7/92

- sign 0.397+/-0.000 χ^2/NDF: 3969187.7/47



Right In: 145.345+/-0.000 χ^2/NDF: 3514802507.9/19

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

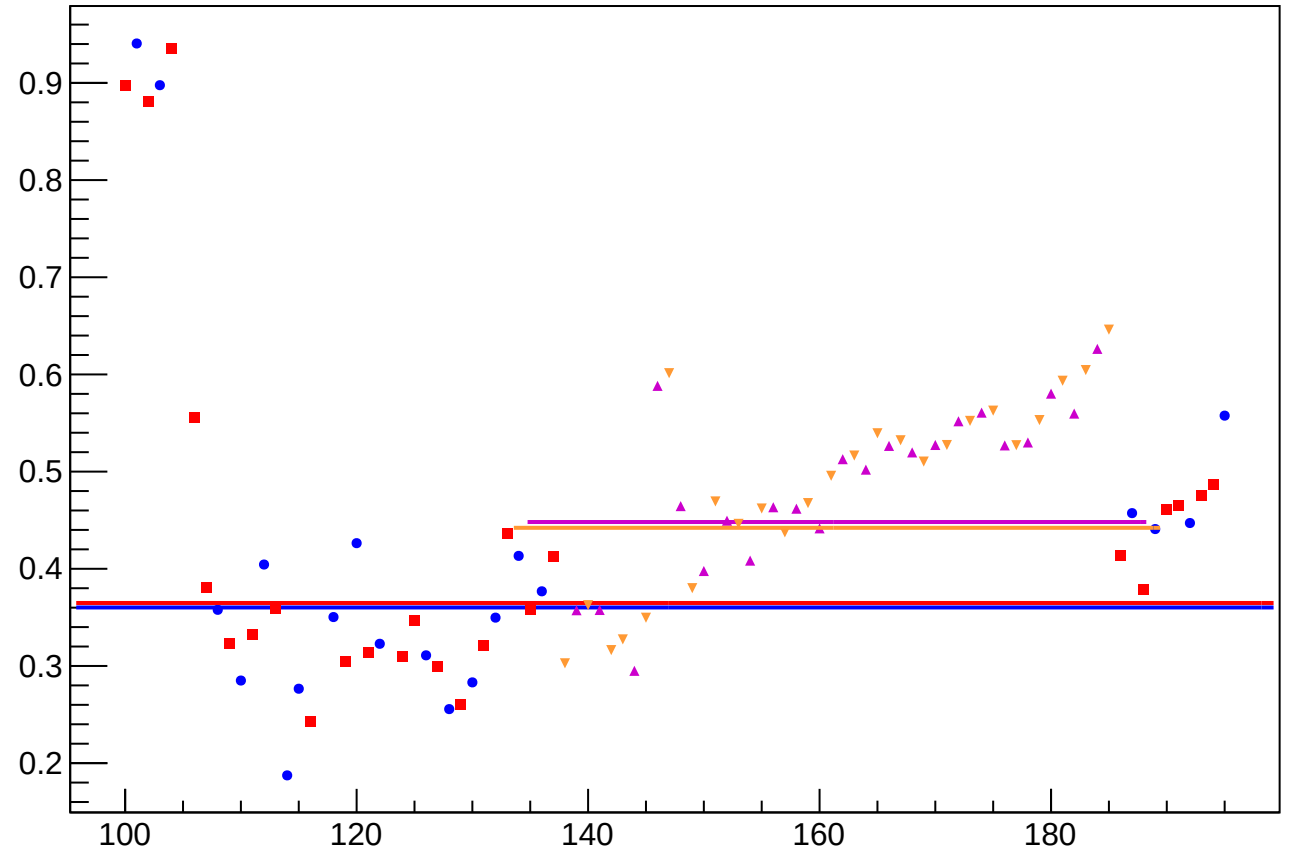
Right Out: 143.063+/-0.000 χ^2/NDF: 7582625441.4/24

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.800+/-0.000 χ^2/NDF: 4067744867.6/44

All: 146.067+/-0.000 χ^2/NDF: 13109114833.

- sign 145.341+/-0.000 χ^2/NDF: 8876198642.5/47



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: 0.365+/-0.000 χ^2/NDF: 1595104.0/24

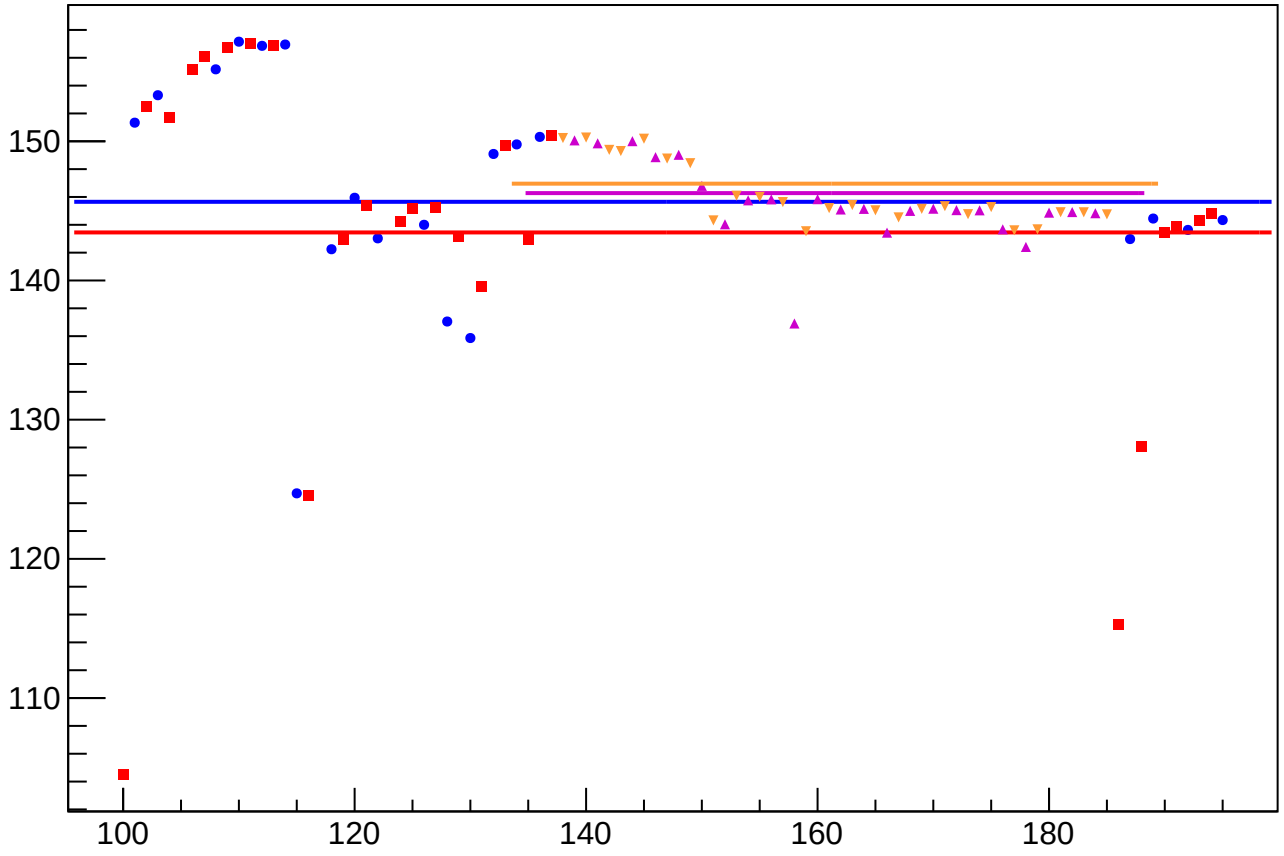
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.409+/-0.000 χ^2/NDF: 3969396.6/44

All: 0.409+/-0.000 χ^2/NDF: 7449436.5/92

- sign 0.410+/-0.000 χ^2/NDF: 3479661.2/47

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: 143.452+/-0.000 χ^2/NDF: 7659672430.1/24

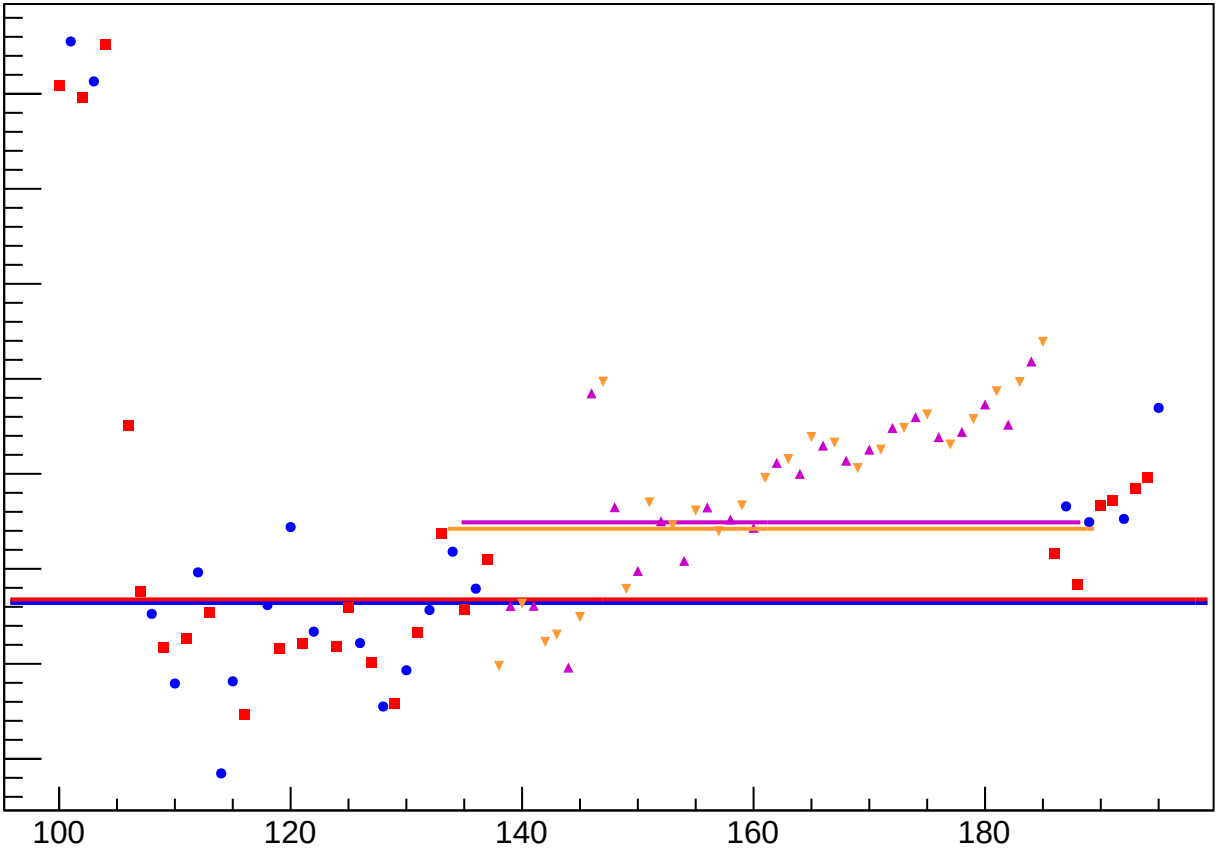
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.431+/-0.000 χ^2/NDF: 4264711759.4/44

All: 145.715+/-0.000 χ^2/NDF: 13210863129.

- sign 145.005+/-0.000 χ^2/NDF: 8789802090.3/47

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: 0.368+/-0.000 χ^2/NDF: 1607334.6/24

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.411+/-0.000 χ^2/NDF: 3922835.4/44

All: 0.412+/-0.000 χ^2/NDF: 7334022.4/92

- sign 0.412+/-0.000 χ^2/NDF: 3410755.4/47

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: 872.125+/-0.000 χ^2/NDF: 12503660635461.9/24

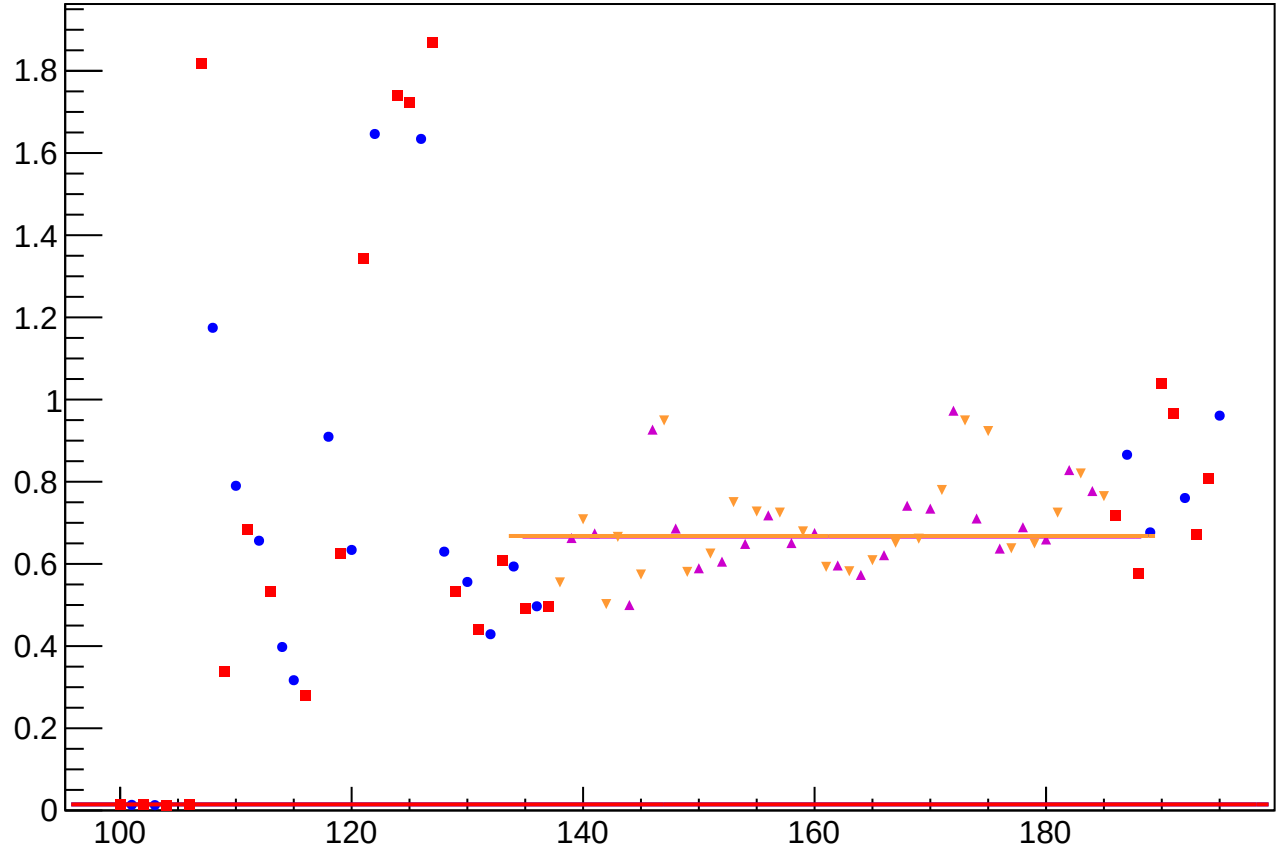
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.121+/-0.000 χ^2/NDF: 26082996768081.

All: 869.225+/-0.000 χ^2/NDF: 55095292679

- sign 869.315+/-0.000 χ^2/NDF: 29012151580826.

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: 15112122.5/24

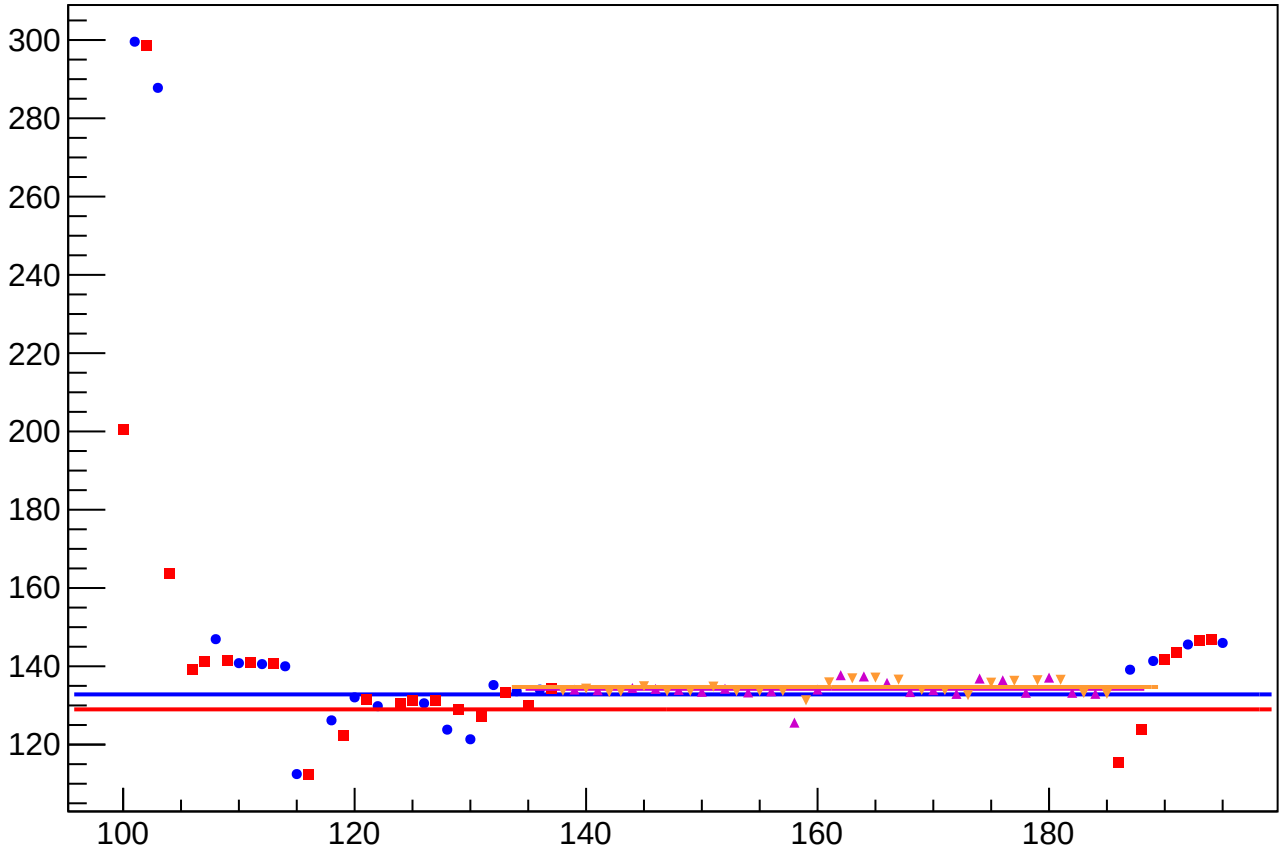
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 42936181.5/44

All: 0.018+/-0.000 χ^2/NDF: 86008887.4/92

- sign 0.017+/-0.000 χ^2/NDF: 43070712.5/47

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: 128.996+/-0.000 χ^2/NDF: 3451641312.2/24

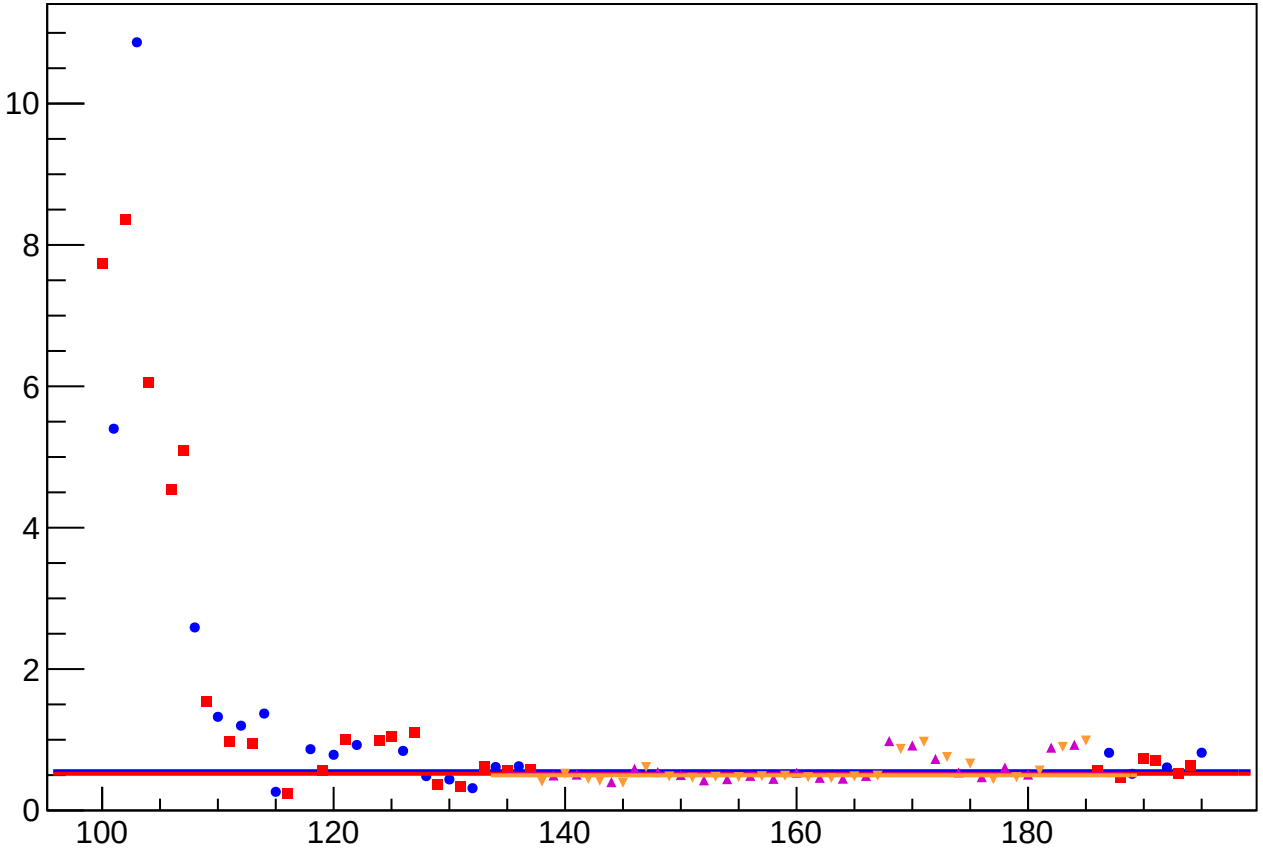
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.308+/-0.000 χ^2/NDF: 2739443349.0/44

All: 133.538+/-0.000 χ^2/NDF: 7207223930.7

- sign 132.760+/-0.000 χ^2/NDF: 4366239205.7/47

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

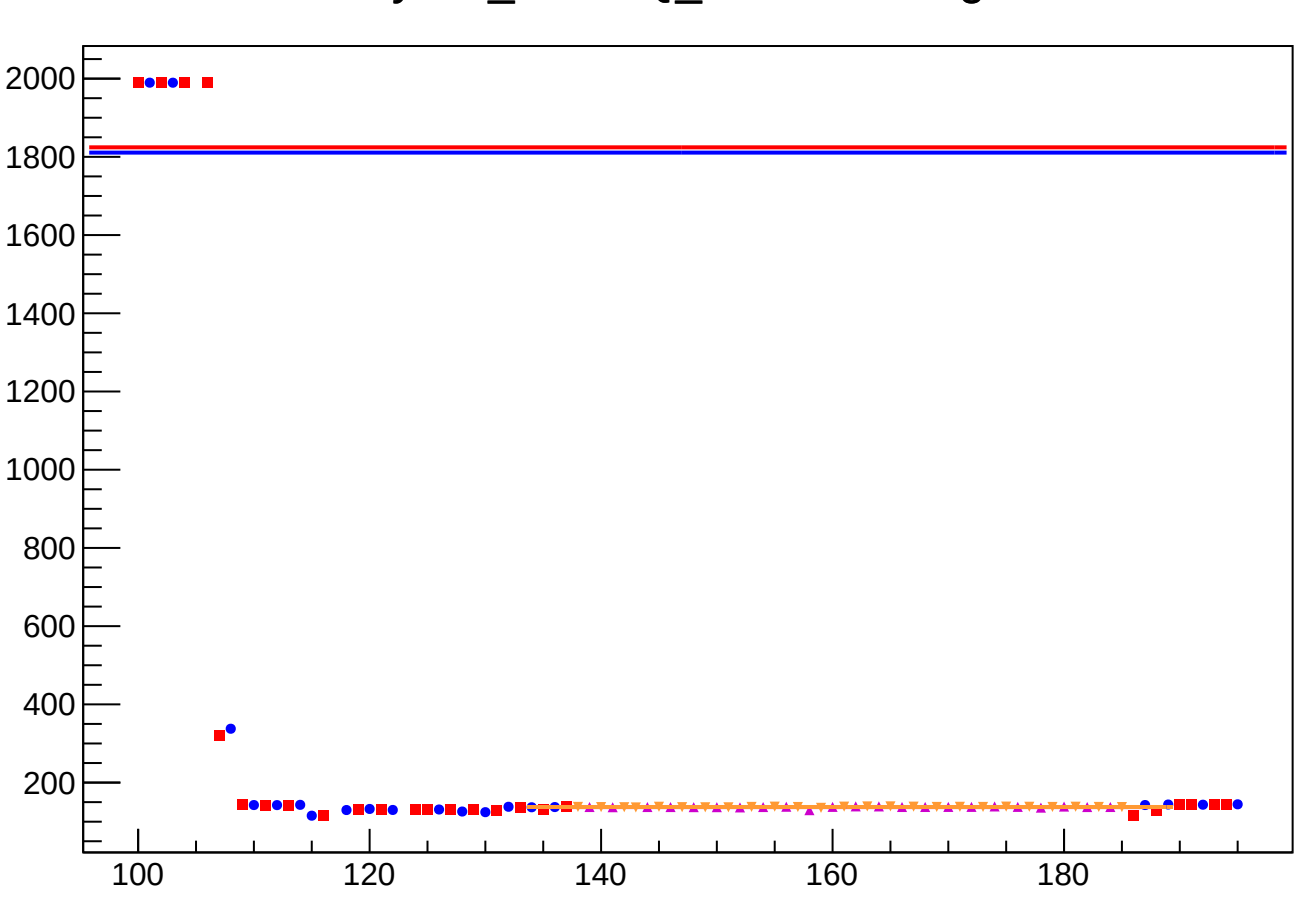
Right Out: 0.519+/-0.000 χ^2/NDF: 5033008.8/24

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.509+/-0.000 χ^2/NDF: 6038533.6/44

All: 0.511+/-0.000 χ^2/NDF: 12560554.5/92

- sign 0.512+/-0.000 χ^2/NDF: 6521359.7/47



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: 1824.343+/-0.000 χ^2/NDF: 190728321819294.1/24

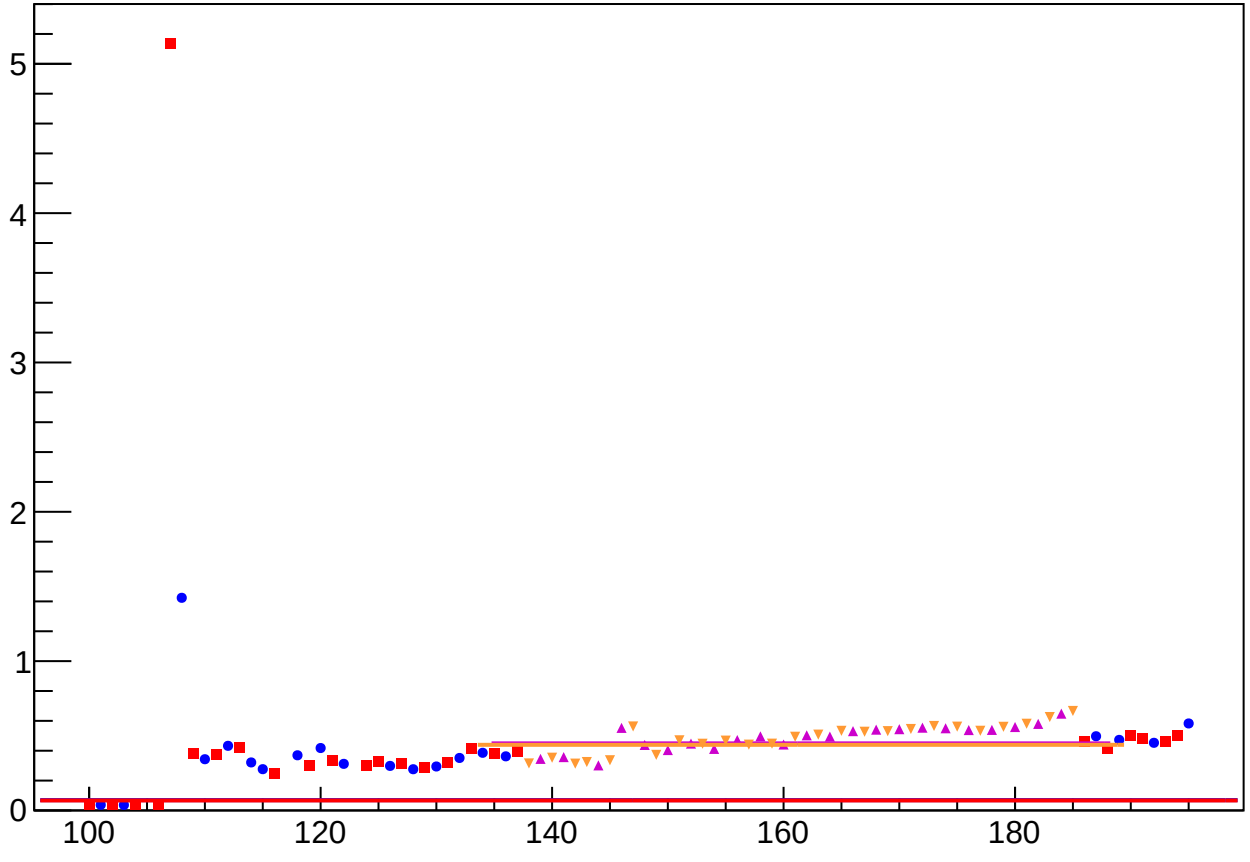
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1580.032+/-0.000 χ^2/NDF: 3979967005234

All: 1610.753+/-0.000 χ^2/NDF: 8047602629

- sign 1637.704+/-0.000 χ^2/NDF: 40557108072955

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: 0.067+/-0.000 χ^2/NDF: 12994502.1/24

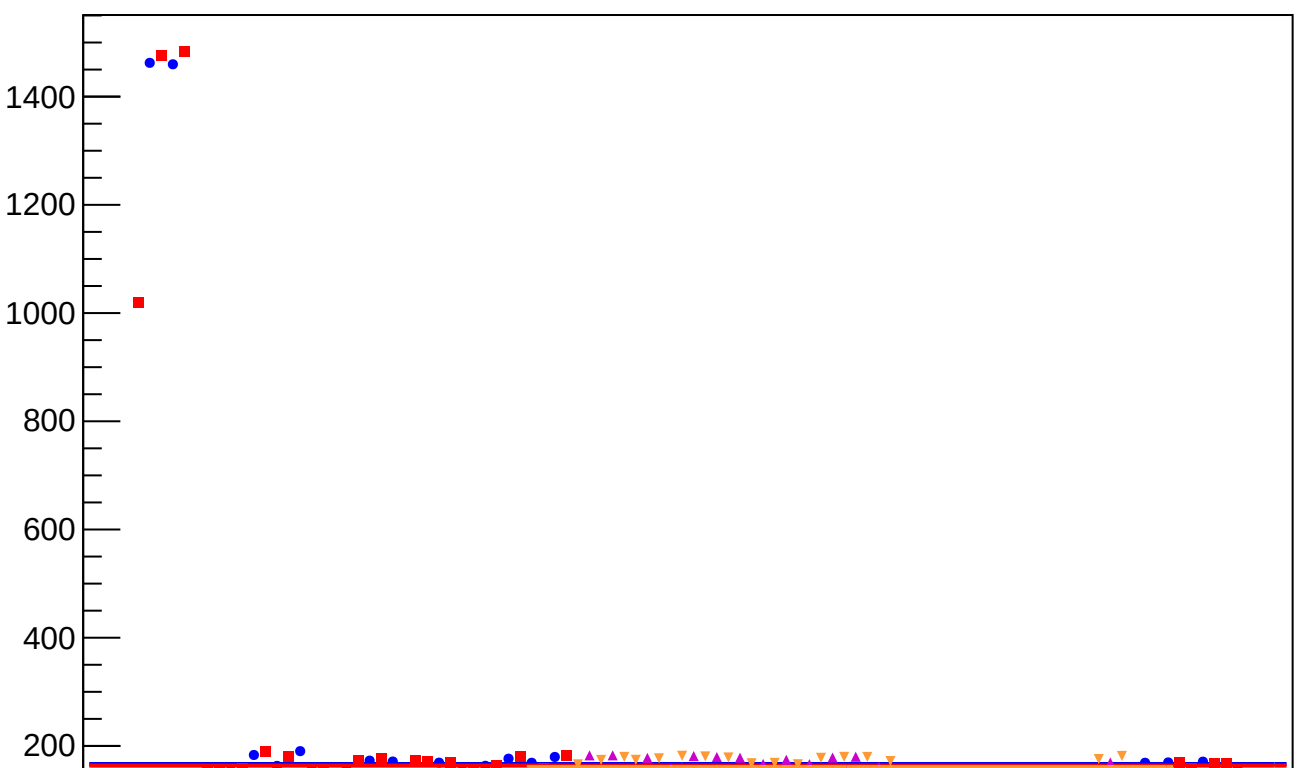
Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.120+/-0.000 χ^2/NDF: 35593982.5/44

All: 0.114+/-0.000 χ^2/NDF: 72078991.7/92

- sign 0.109+/-0.000 χ^2/NDF: 36398902.5/47

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: 163.723+/-0.000 χ^2/NDF: 17353275534.9/24

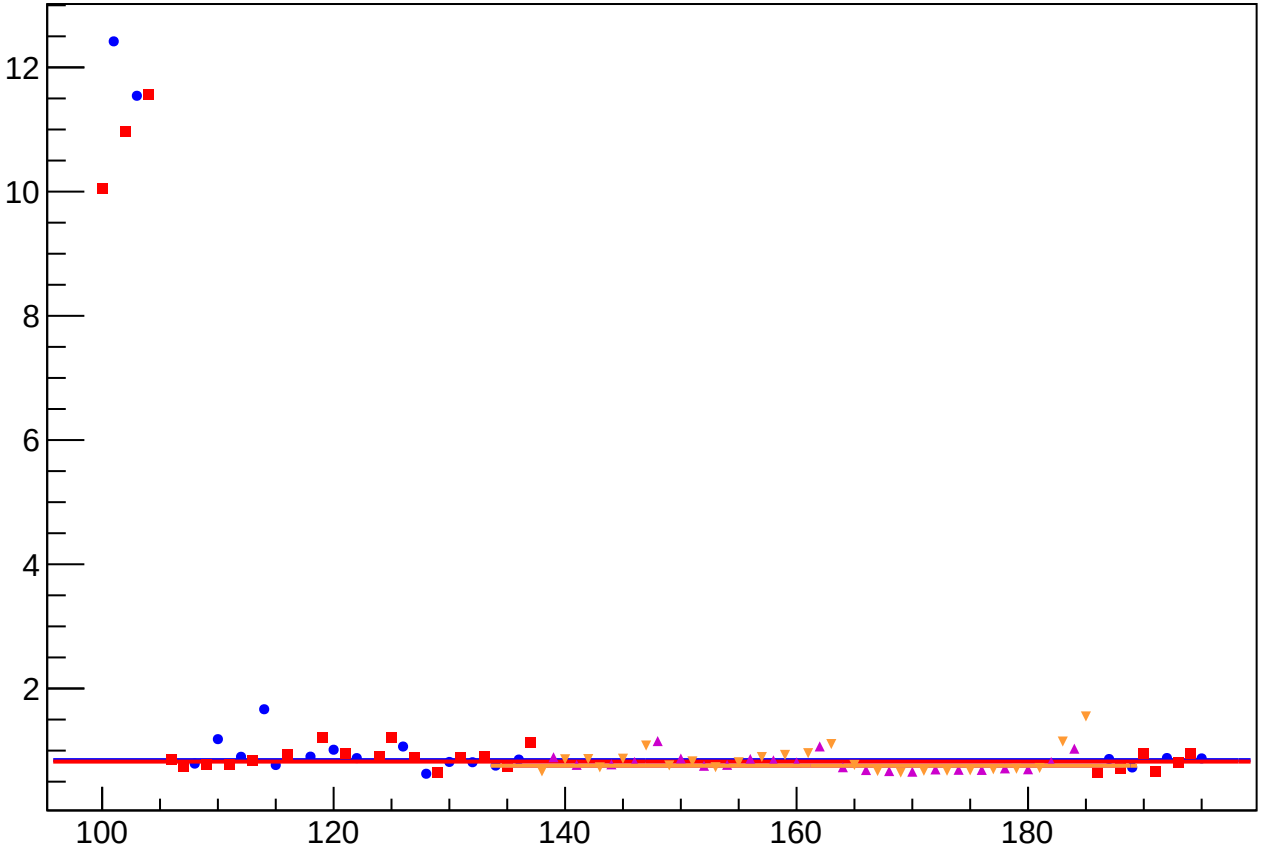
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.535+/-0.000 χ^2/NDF: 18662639639.2/44

All: 161.867+/-0.000 χ^2/NDF: 39874309723.

- sign 161.218+/-0.000 χ^2/NDF: 21182838919.1/47

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

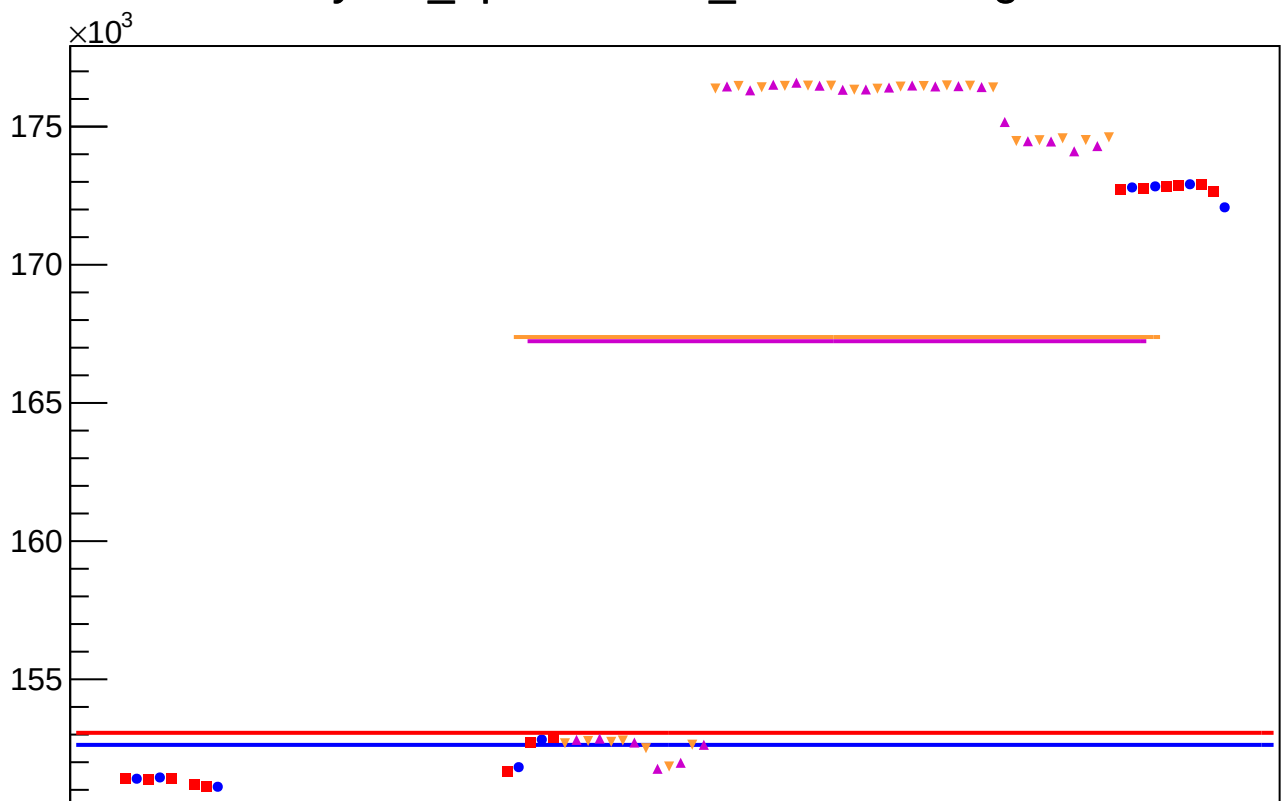
Right Out: 0.823+/-0.000 χ^2/NDF: 2371684.3/24

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: 6091688.7/92

- sign 0.776+/-0.000 χ^2/NDF: 2909341.9/47



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: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

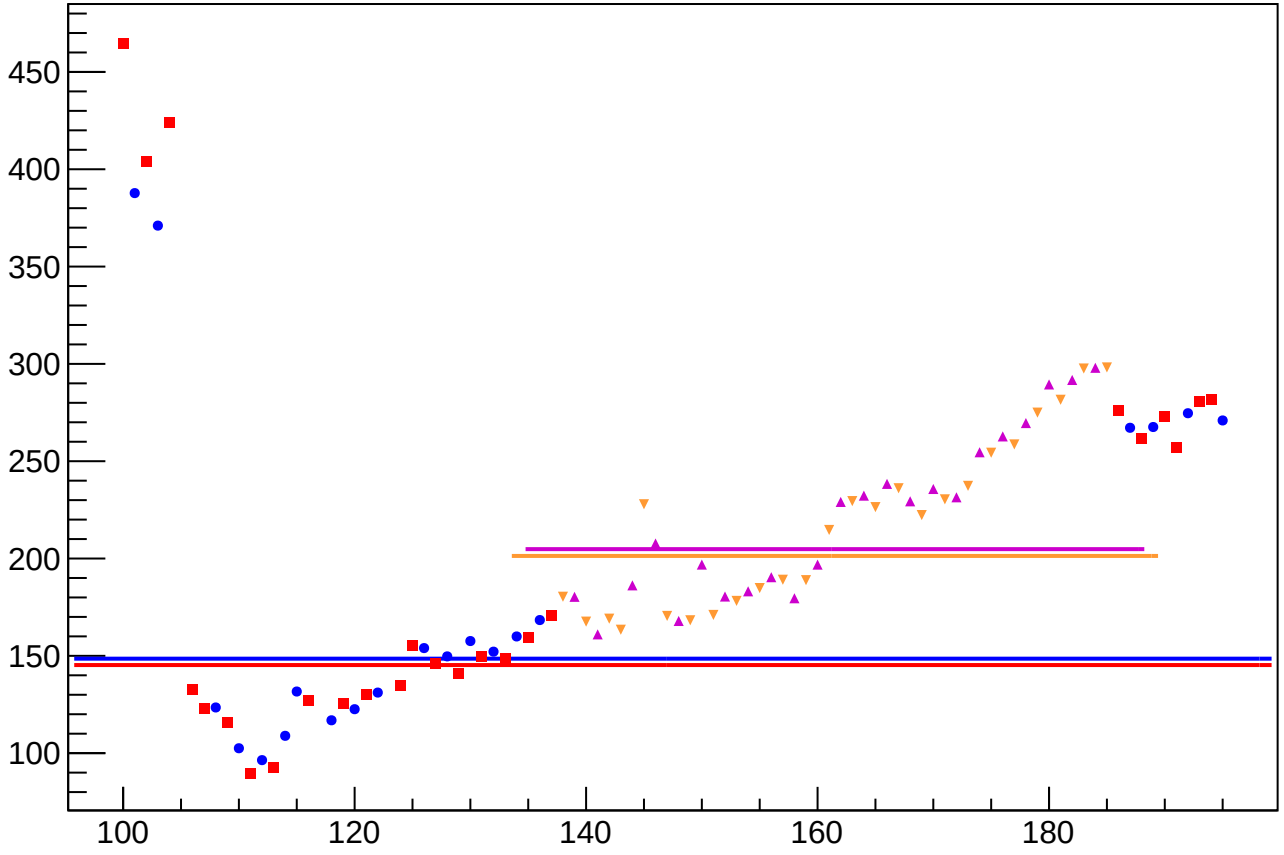
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160791.102+/-0.035 χ^2/NDF: 119618260004

All: 160402.626+/-0.024 χ^2/NDF: 2393173

- sign 160025.335+/-0.034 χ^2/NDF: 119452834445

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: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 177.744+/-0.025 χ^2/NDF: 4936368.6/44

All: 176.112+/-0.017 χ^2/NDF: 10910849.2/92

- sign 174.527+/-0.024 χ^2/NDF: 5965788.4/47

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: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

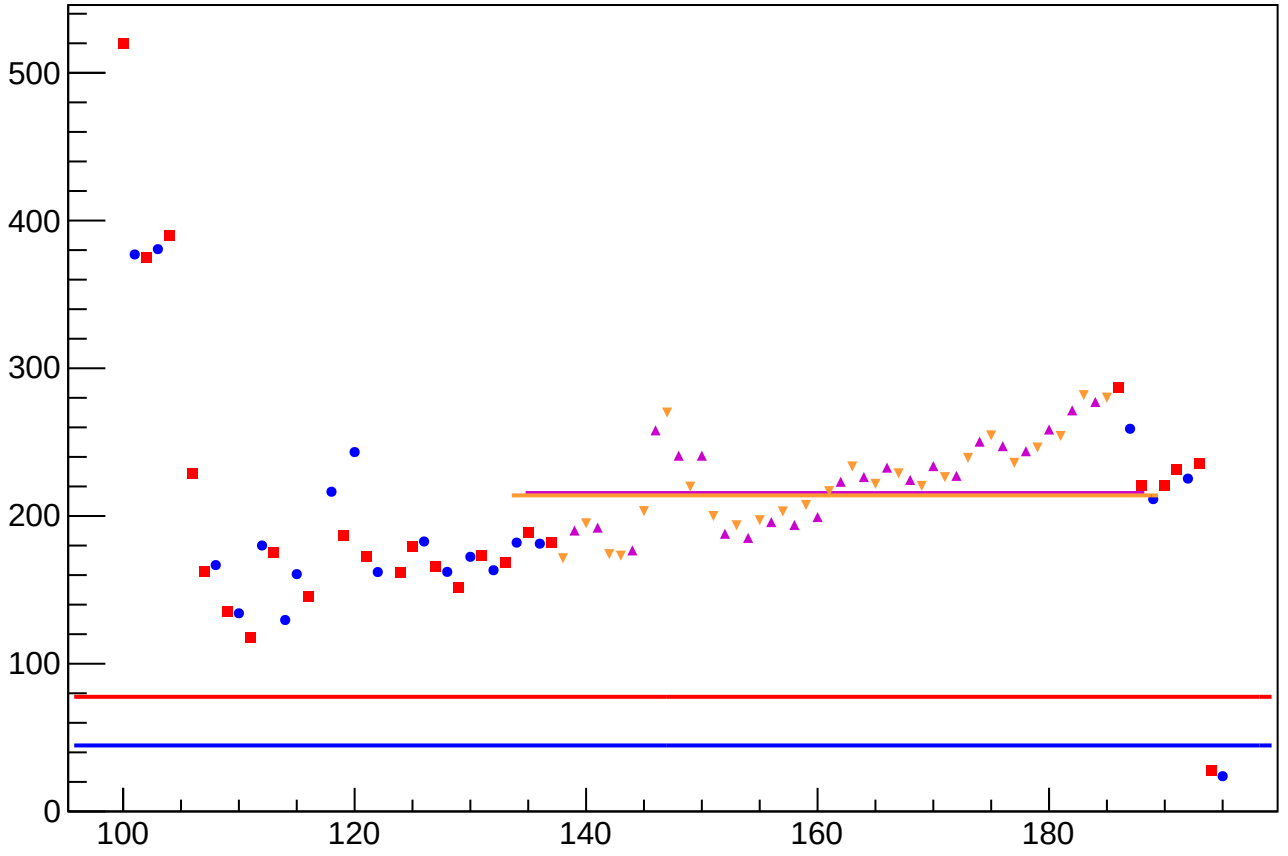
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 33304.663+/-0.022 χ^2/NDF: 1157370712144

All: 48025.559+/-0.017 χ^2/NDF: 204179325

- sign 74222.610+/-0.029 χ^2/NDF: 7541164405627

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

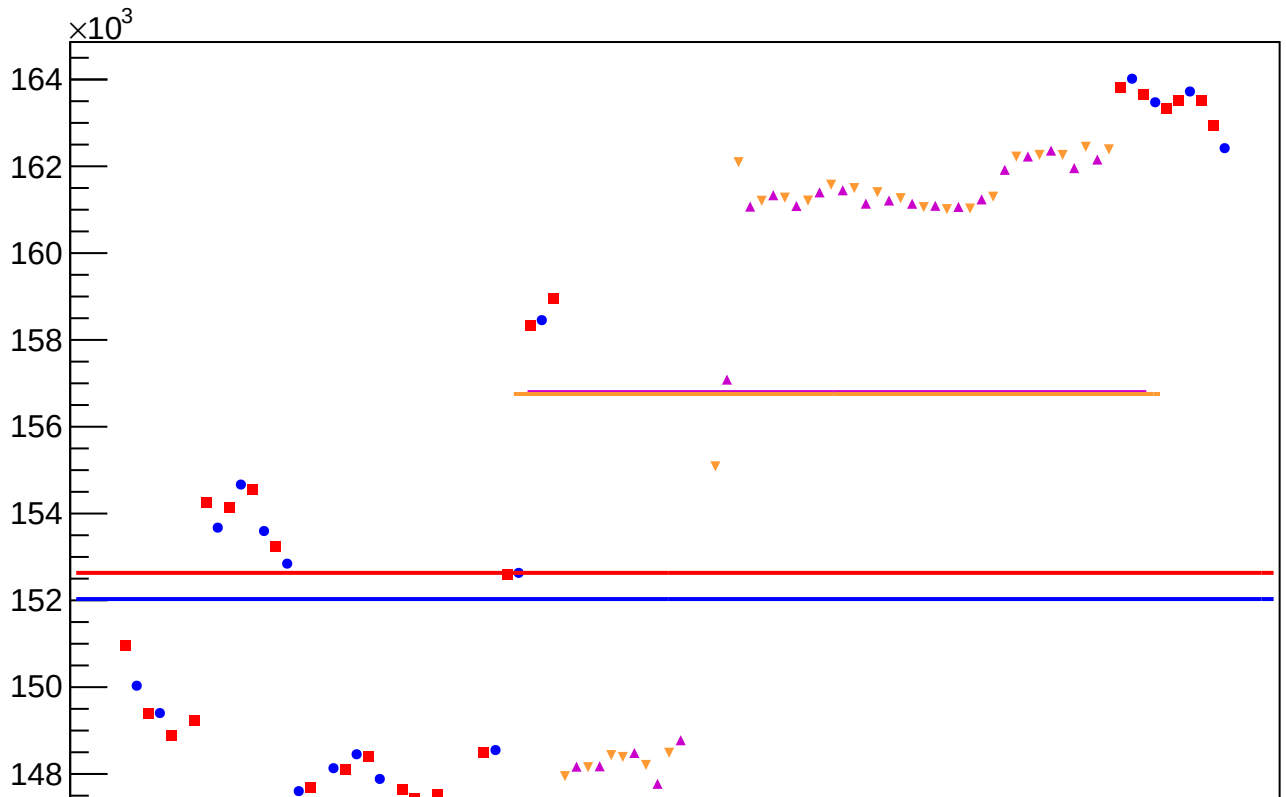
Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 76.759+/-0.015 χ^2/NDF: 31117121.3/44

All: 92.632+/-0.012 χ^2/NDF: 54731267.9/92

- sign 120.881+/-0.020 χ^2/NDF: 20583878.6/47



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: 152632.975+/-0.056 χ^2/NDF: 8849342749.8/24

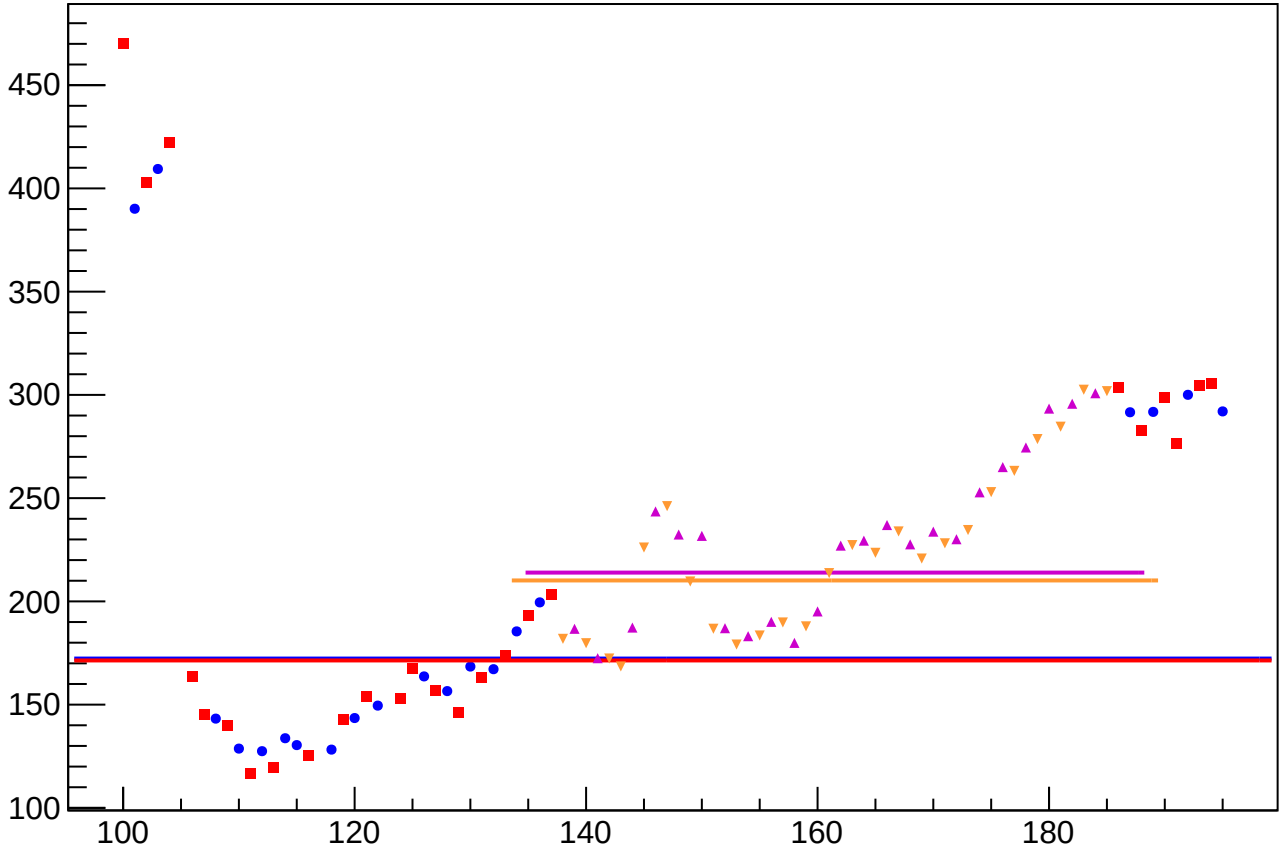
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154863.649+/-0.038 χ^2/NDF: 27550210202.

All: 154887.947+/-0.027 χ^2/NDF: 53769917

- sign 154912.272+/-0.038 χ^2/NDF: 26218874583.2

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

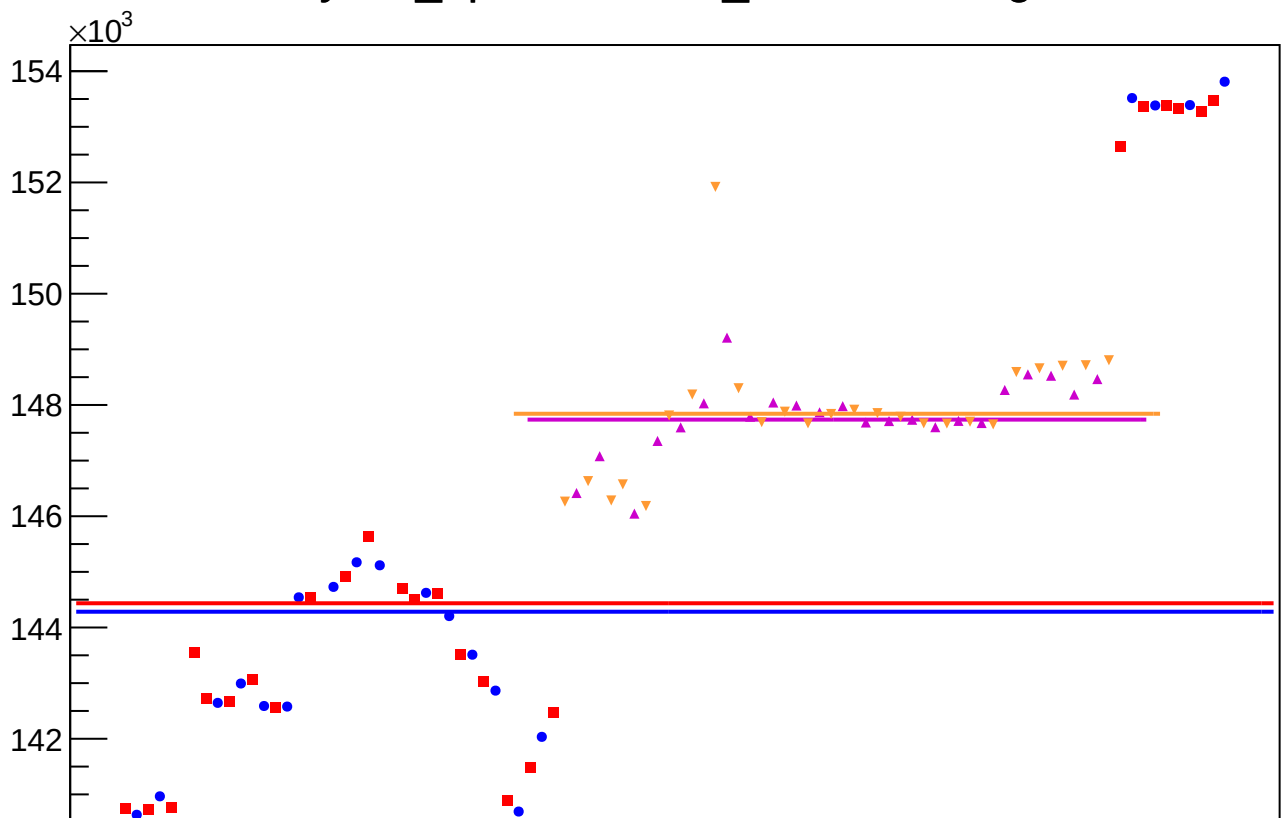
Right Out: 171.404+/-0.040 χ^2/NDF: 2744486.7/24

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 195.003+/-0.027 χ^2/NDF: 3658238.7/44

All: 194.844+/-0.019 χ^2/NDF: 7948523.1/92

- sign 194.684+/-0.027 χ^2/NDF: 4290212.9/47



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: 144435.743+/-0.047 χ^2/NDF: 5274961661.6/24

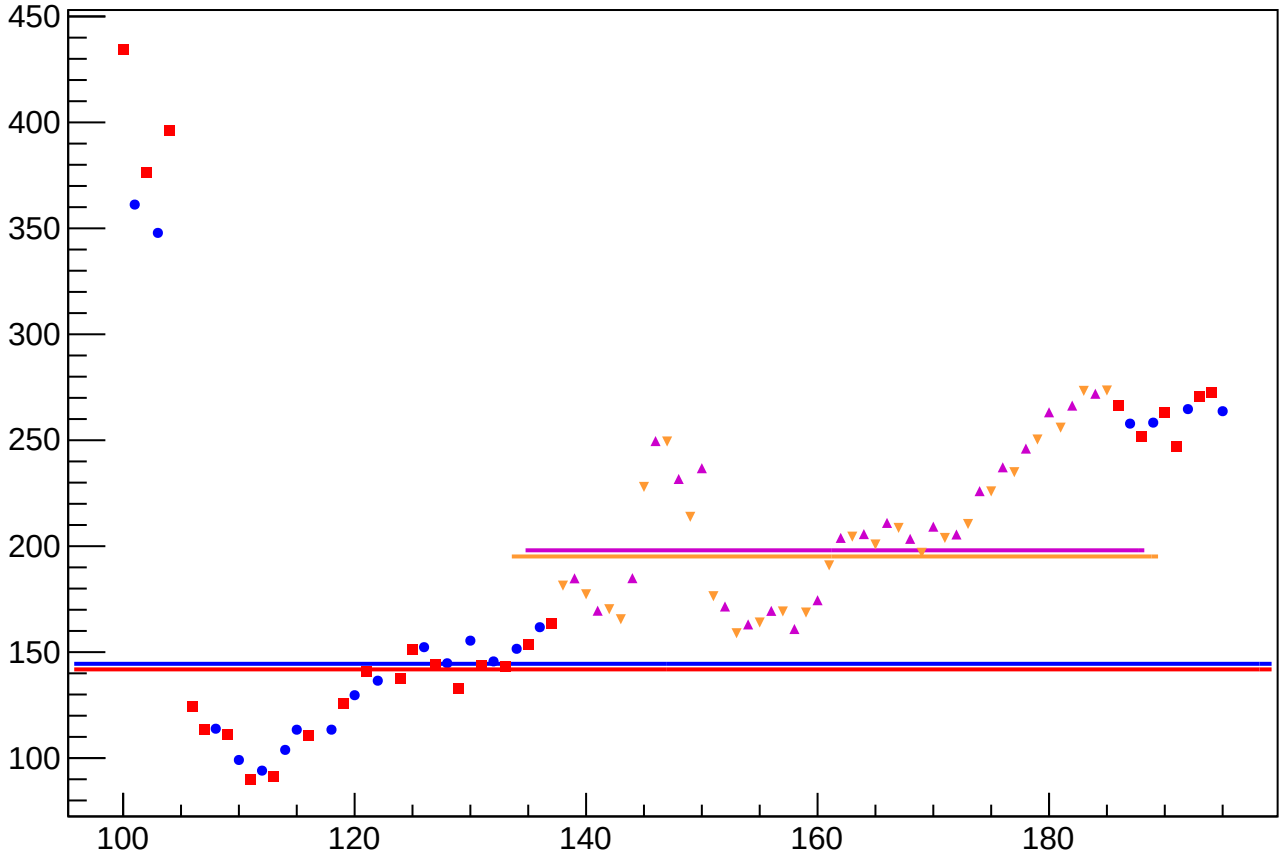
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146264.030+/-0.034 χ^2/NDF: 7521876324.7

All: 146166.497+/-0.024 χ^2/NDF: 15509470

- sign 146071.568+/-0.033 χ^2/NDF: 7971034101.2/

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

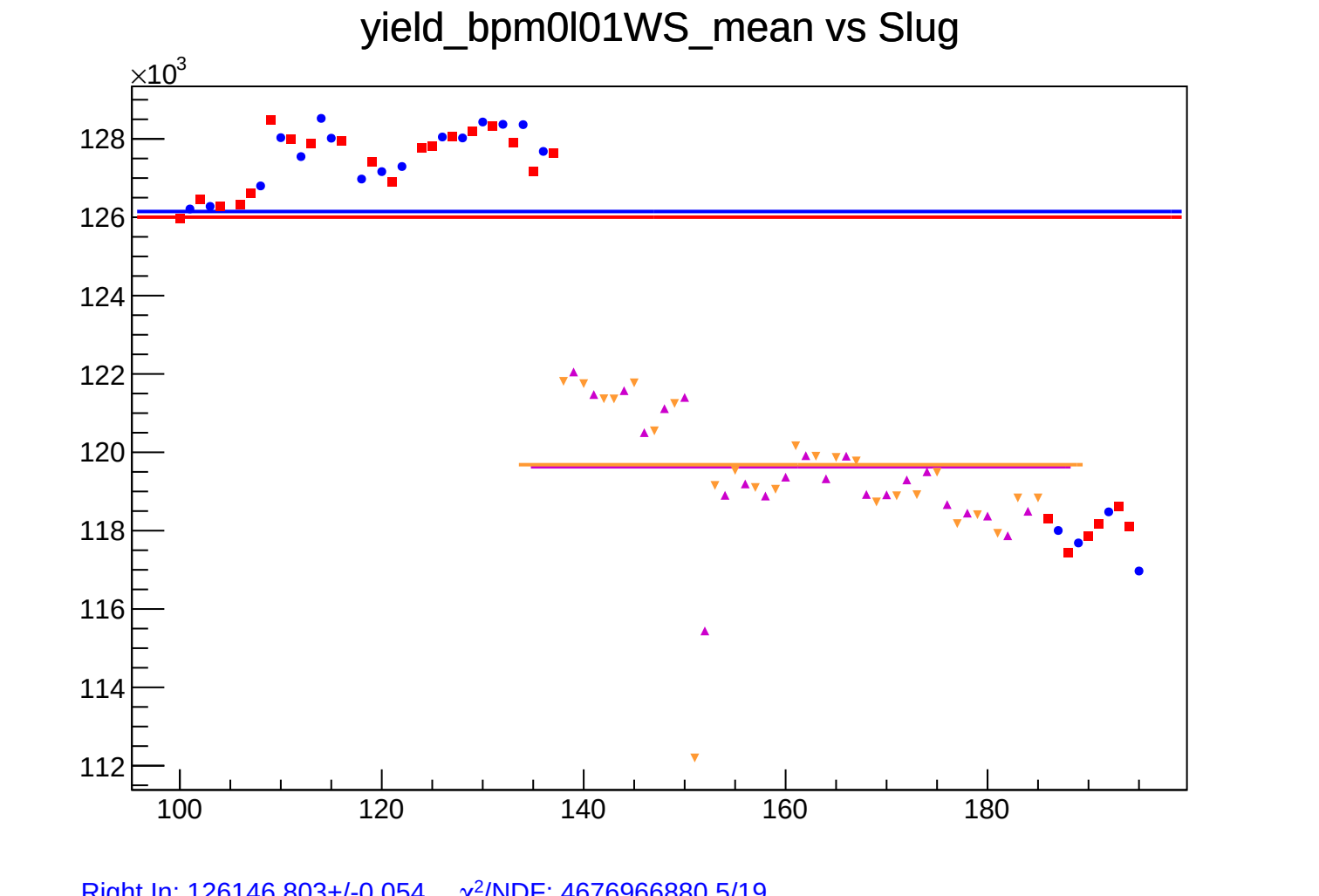
Right Out: 141.857+/-0.033 χ^2/NDF: 3284716.1/24

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

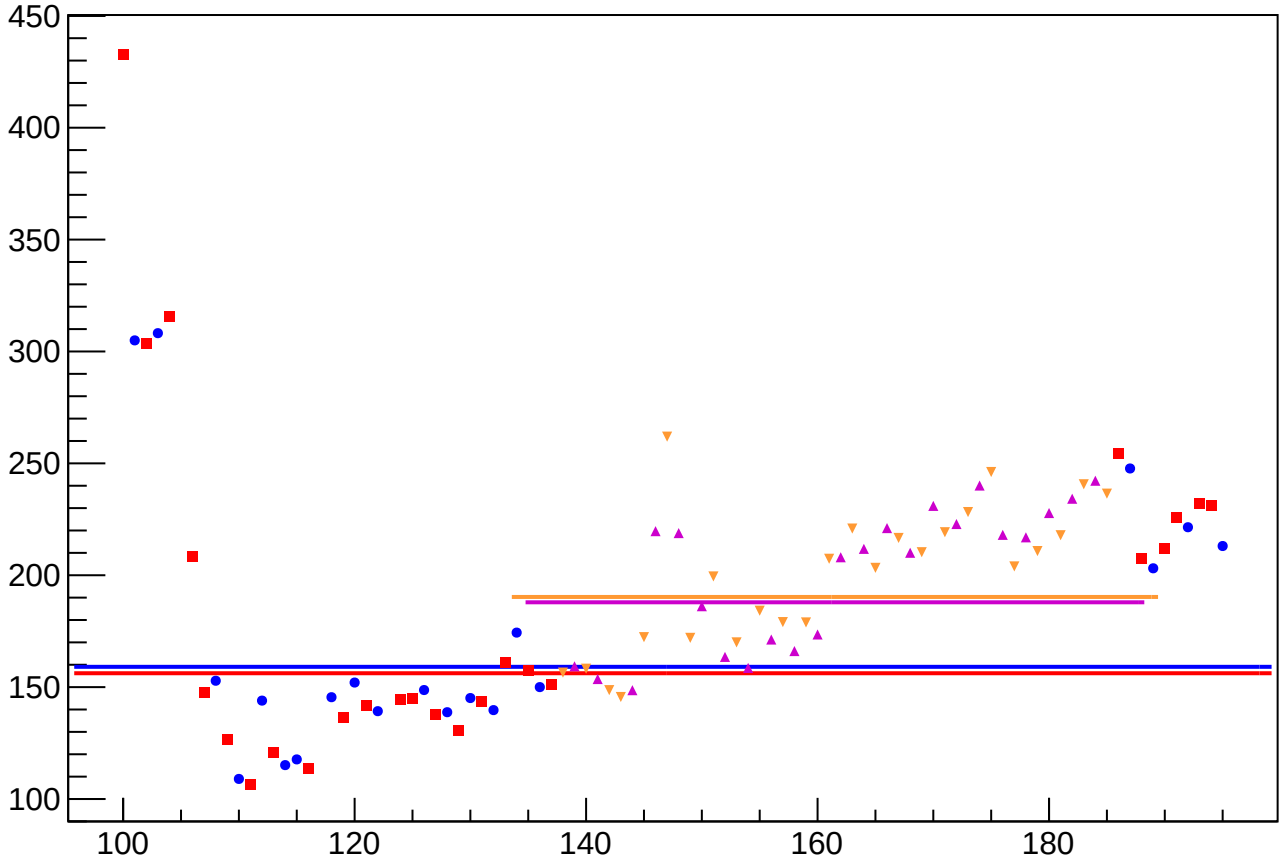
+ sign 172.681+/-0.024 χ^2/NDF: 4535357.0/44

All: 171.174+/-0.017 χ^2/NDF: 10159640.0/92

- sign 169.707+/-0.023 χ^2/NDF: 5616374.2/47


yield_bpm0l01WS_mean vs Slug
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
Right In: 126146.803+/-0.054 χ²/NDF: 4676966880.5/19
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 126002.884+/-0.050 χ²/NDF: 5713871965.1/24
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
+ sign 122301.048+/-0.034 χ²/NDF: 15297454316.
All: 122399.698+/-0.024 χ²/NDF: 31365423
- sign 122493.980+/-0.033 χ²/NDF: 16051644041.3

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

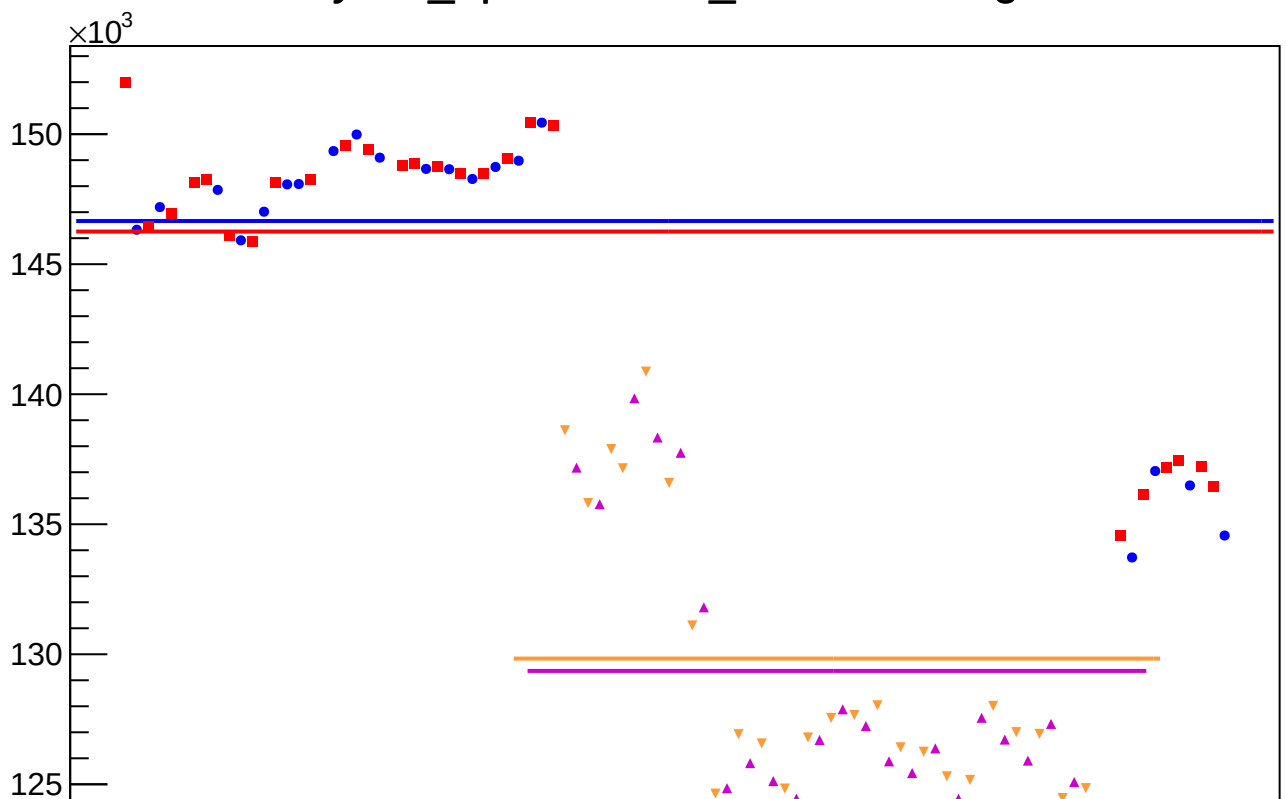
Right Out: 156.207+/-0.035 χ^2/NDF: 1830026.7/24

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 177.653+/-0.024 χ^2/NDF: 2578588.9/44

All: 175.612+/-0.017 χ^2/NDF: 5795005.6/92

- sign 173.661+/-0.024 χ^2/NDF: 3202436.6/47



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: 146255.444+/-0.070 χ^2/NDF: 4408435138.1/24

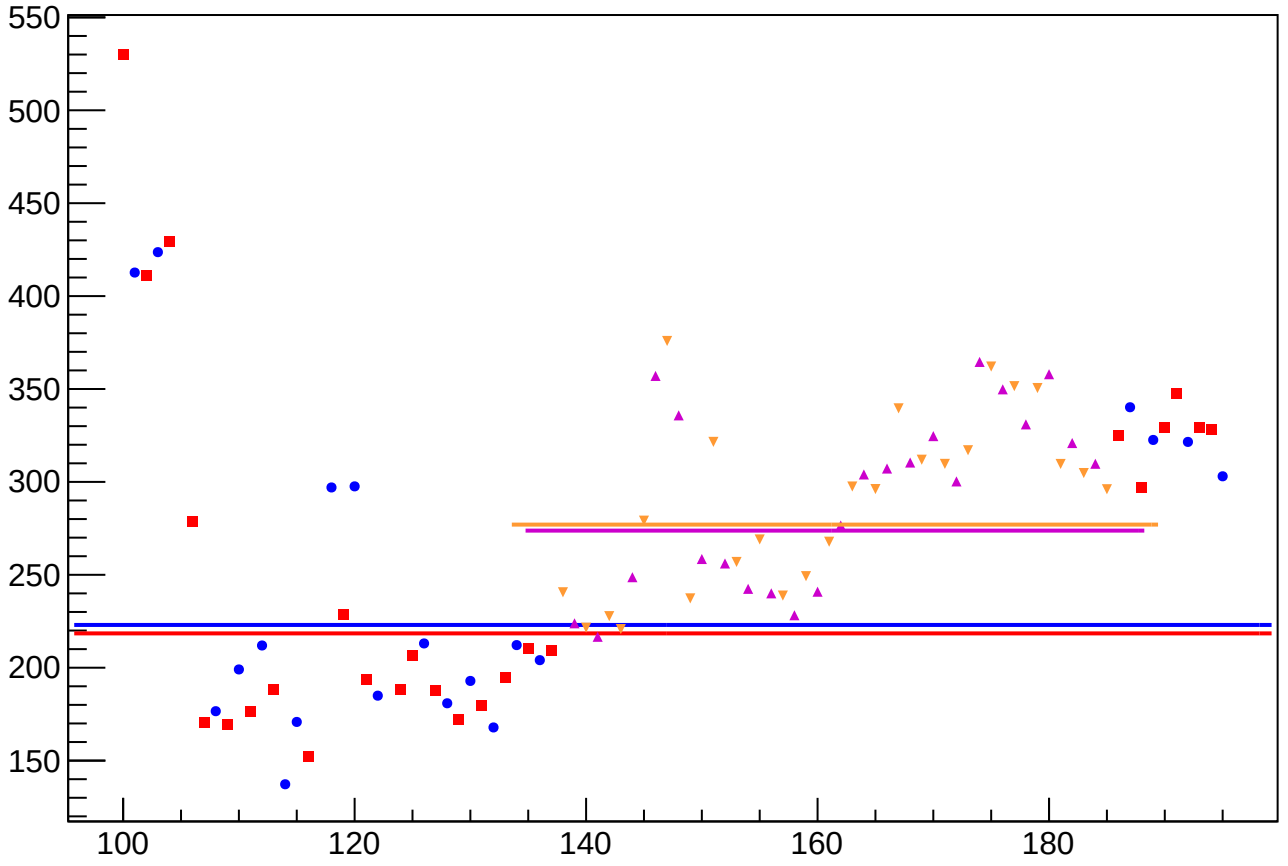
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136869.653+/-0.049 χ^2/NDF: 39321050195.

All: 137069.558+/-0.034 χ^2/NDF: 816328165

- sign 137259.138+/-0.048 χ^2/NDF: 42279299454.0

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

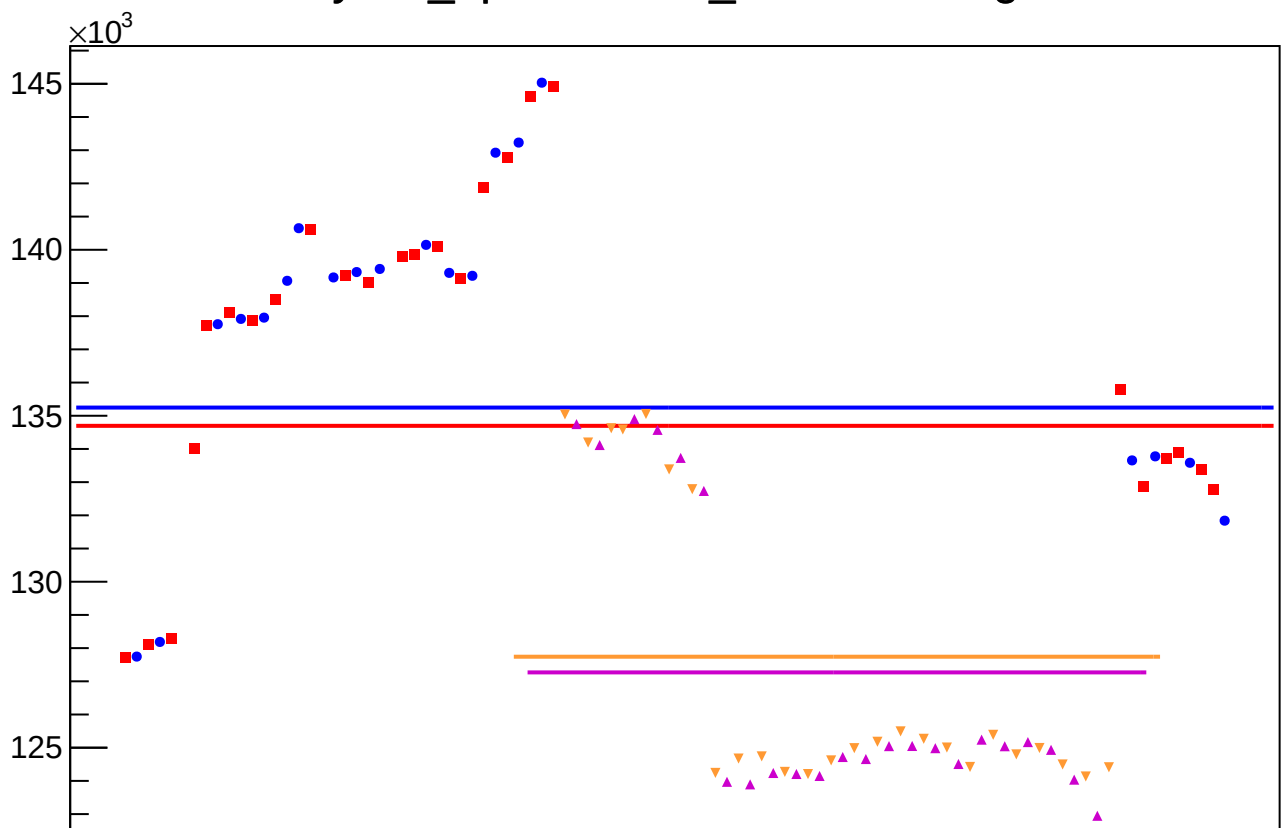
Right Out: 218.471+/-0.049 χ^2/NDF: 1791860.6/24

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 254.441+/-0.035 χ^2/NDF: 3032076.9/44

All: 251.096+/-0.024 χ^2/NDF: 6515845.5/92

- sign 247.924+/-0.034 χ^2/NDF: 3465593.4/47



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: 134696.369+/-0.131 χ^2/NDF: 1272887824.8/24

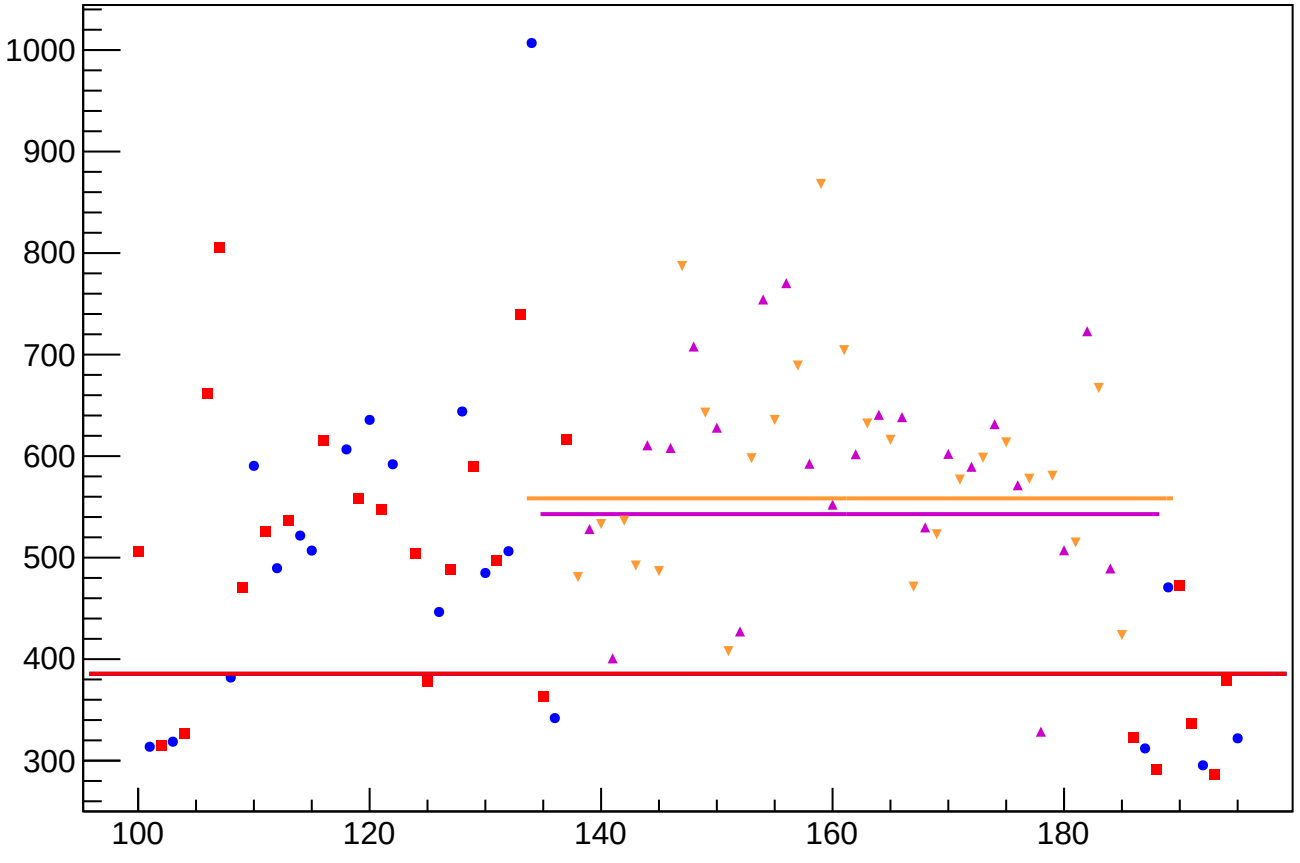
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131440.009+/-0.097 χ^2/NDF: 4335110484.2

All: 131319.982+/-0.068 χ^2/NDF: 81040287

- sign 131203.684+/-0.095 χ^2/NDF: 3765875577.3/

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

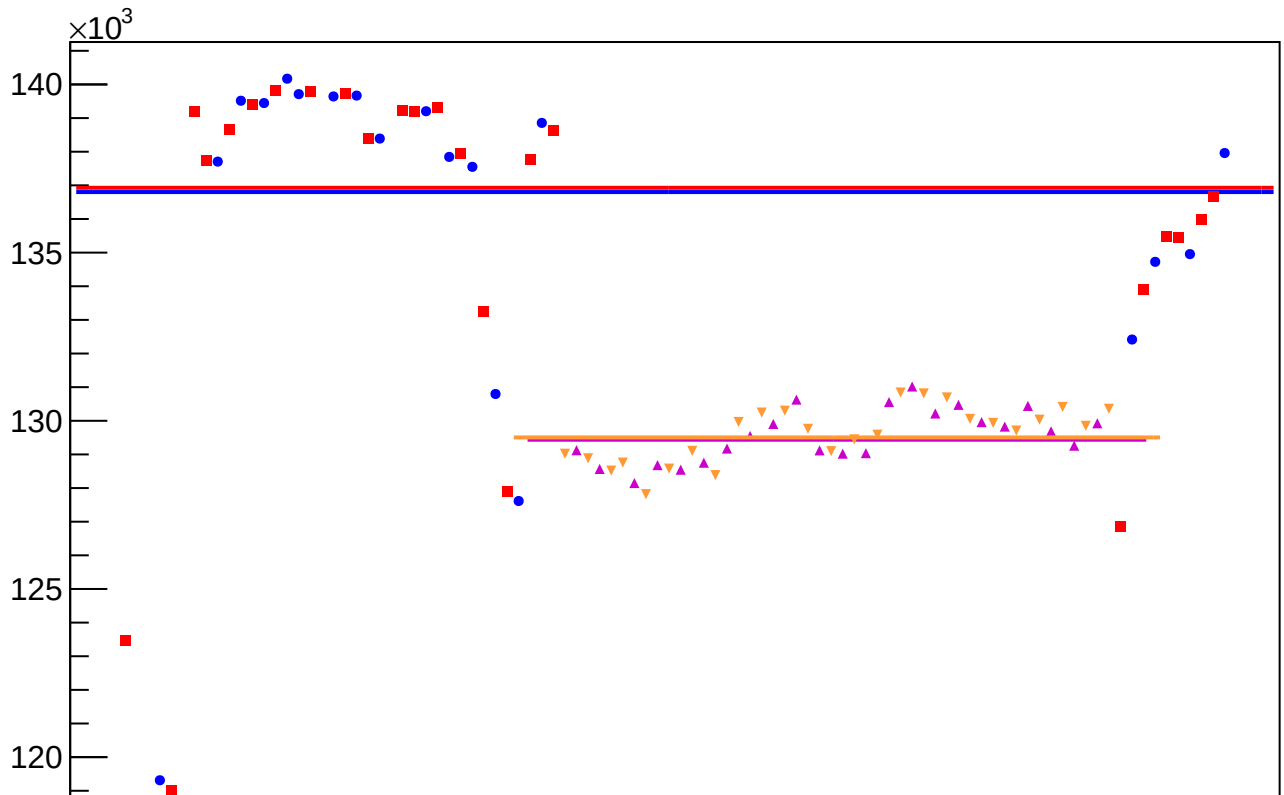
Right Out: 385.681+/-0.092 χ^2/NDF: 1453832.3/24

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 473.199+/-0.068 χ^2/NDF: 3885121.0/44

All: 466.289+/-0.048 χ^2/NDF: 8138689.7/92

- sign 459.595+/-0.067 χ^2/NDF: 4233403.4/47



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: 136927.462+/-0.061 χ^2/NDF: 6294495539.0/24

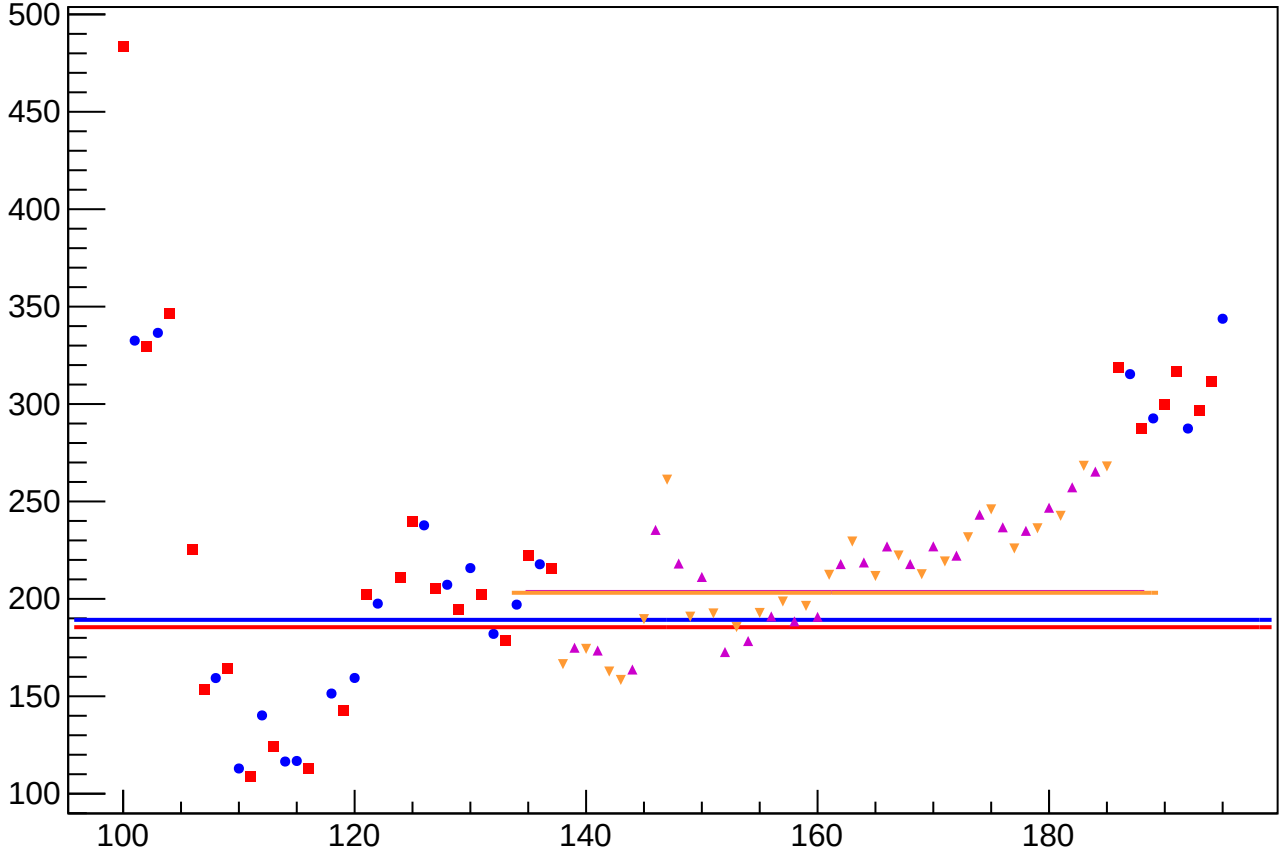
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131981.024+/-0.038 χ^2/NDF: 14402682810.

All: 132168.432+/-0.027 χ^2/NDF: 30321851

- sign 132352.447+/-0.038 χ^2/NDF: 15871464394.

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

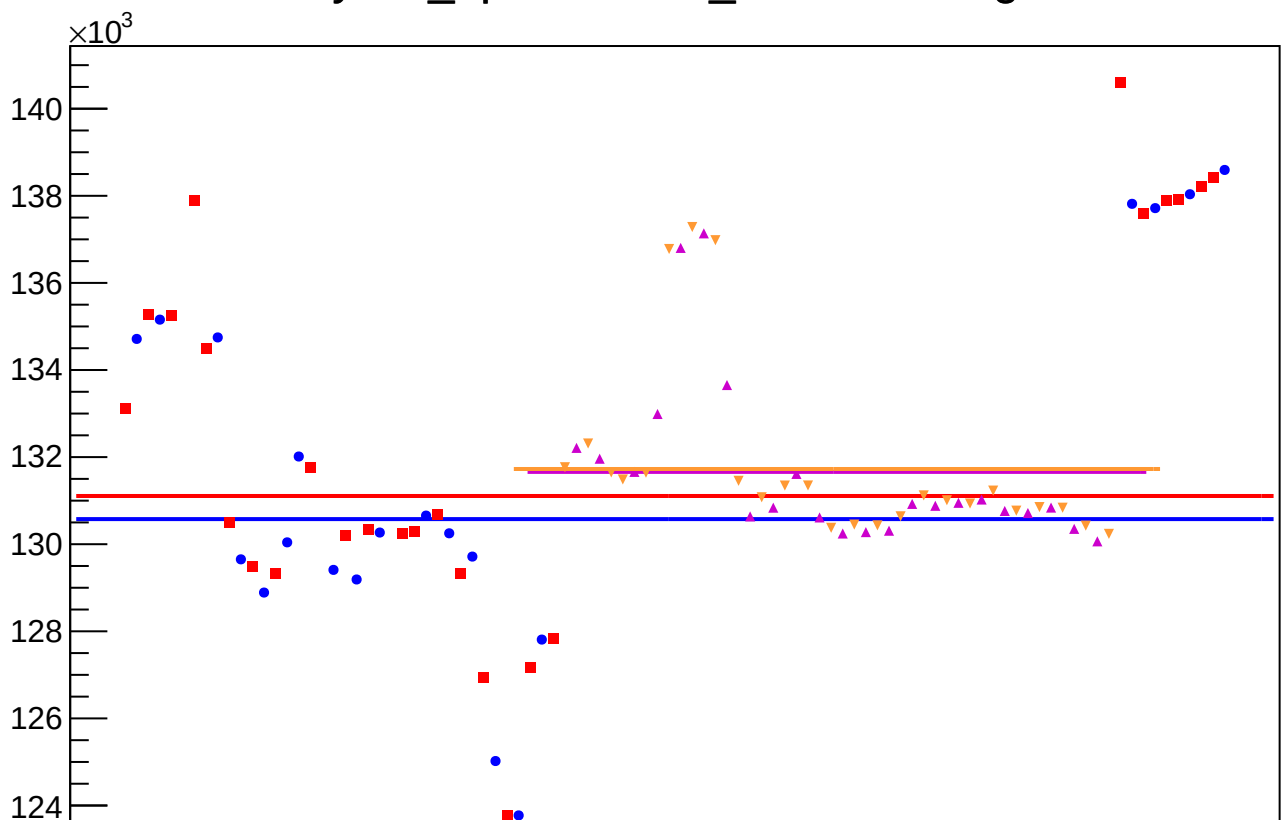
Right Out: 185.465+/-0.043 χ^2/NDF: 2682191.9/24

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 198.413+/-0.027 χ^2/NDF: 2864618.7/44

All: 197.453+/-0.019 χ^2/NDF: 6323855.7/92

- sign 196.509+/-0.027 χ^2/NDF: 3456730.7/47



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: 131107.232+/-0.056 χ^2/NDF: 4969382583.1/24

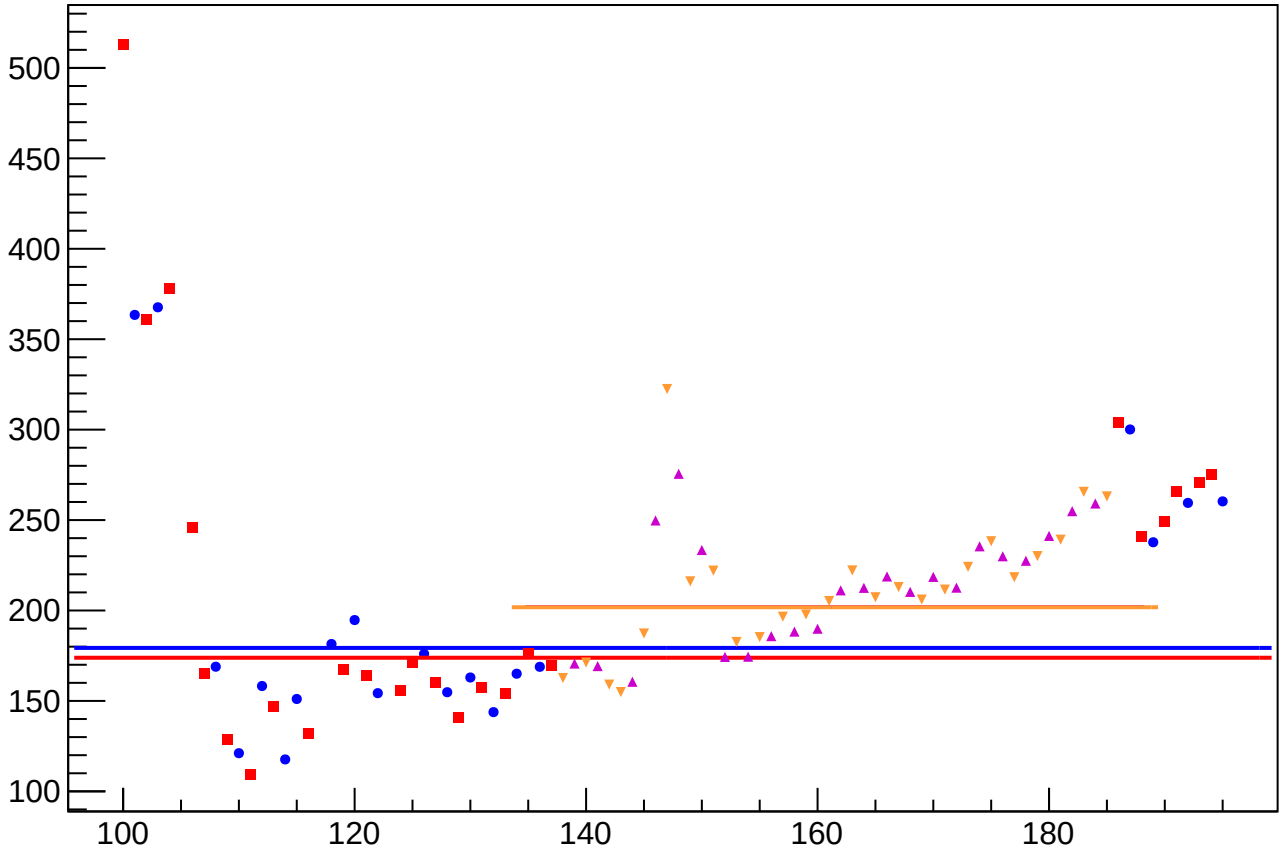
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131302.381+/-0.037 χ^2/NDF: 5865833805.2

All: 131365.399+/-0.026 χ^2/NDF: 12061056

- sign 131426.331+/-0.037 χ^2/NDF: 6189580419.6/

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

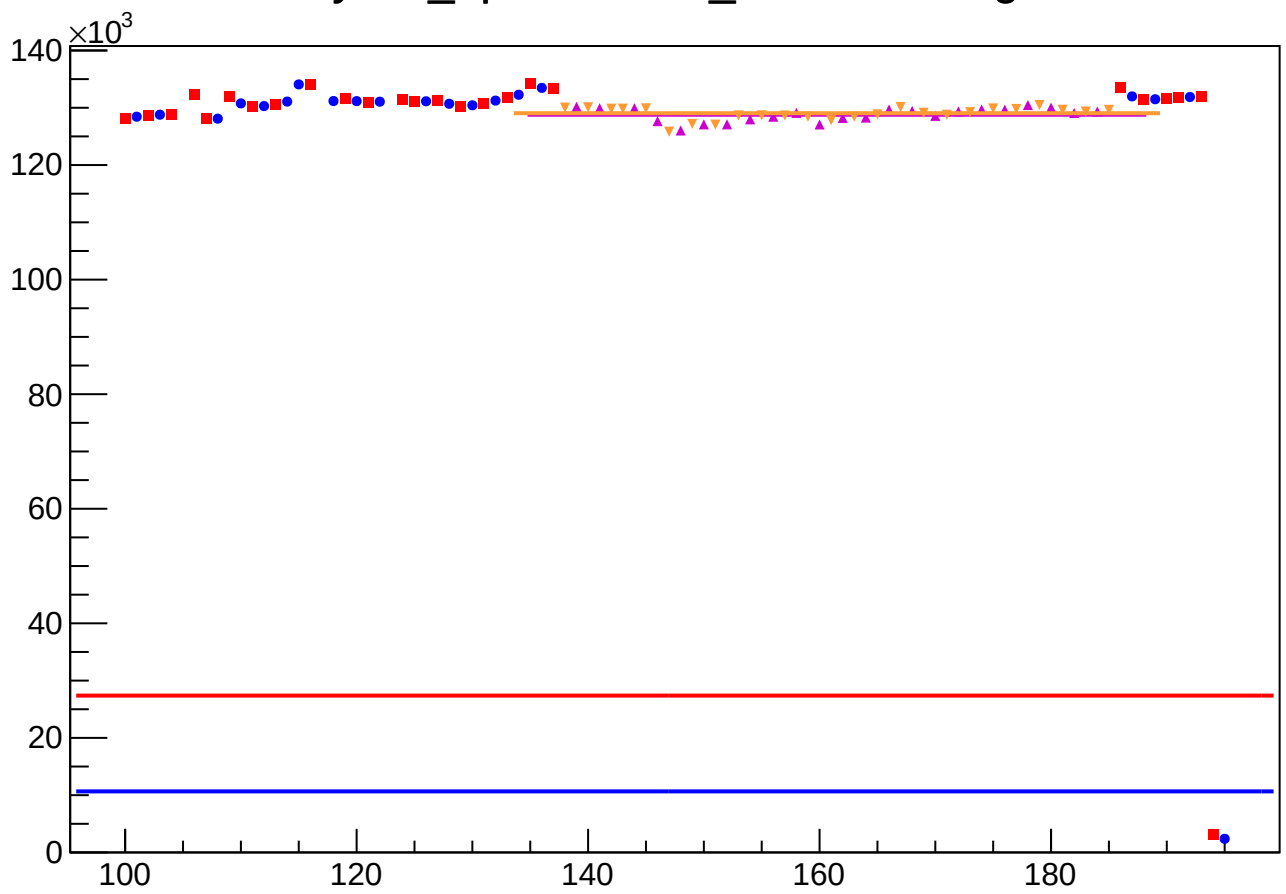
Right Out: 173.879+/-0.040 χ^2/NDF: 2196394.0/24

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

\+ sign 193.500+/-0.026 χ^2/NDF: 2564450.7/44

All: 191.755+/-0.018 χ^2/NDF: 5859517.4/92

\- sign 190.068+/-0.026 χ^2/NDF: 3286411.5/47



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: 27383.105+/-0.023 χ^2/NDF: 4781367050563.7/24

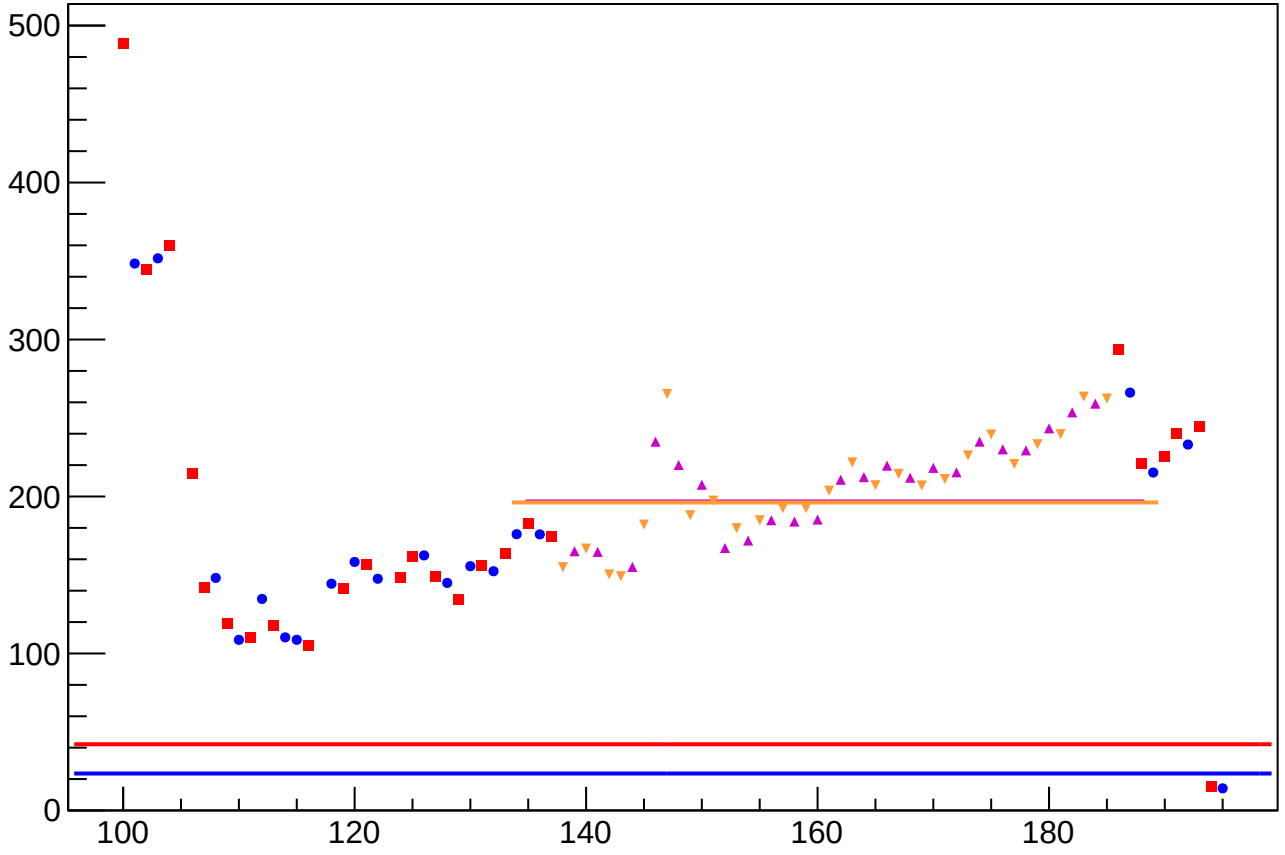
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 21647.029+/-0.014 χ^2/NDF: 1085693711847

All: 29529.154+/-0.011 χ^2/NDF: 2045059801

- sign 46936.753+/-0.021 χ^2/NDF: 8555633182077.

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

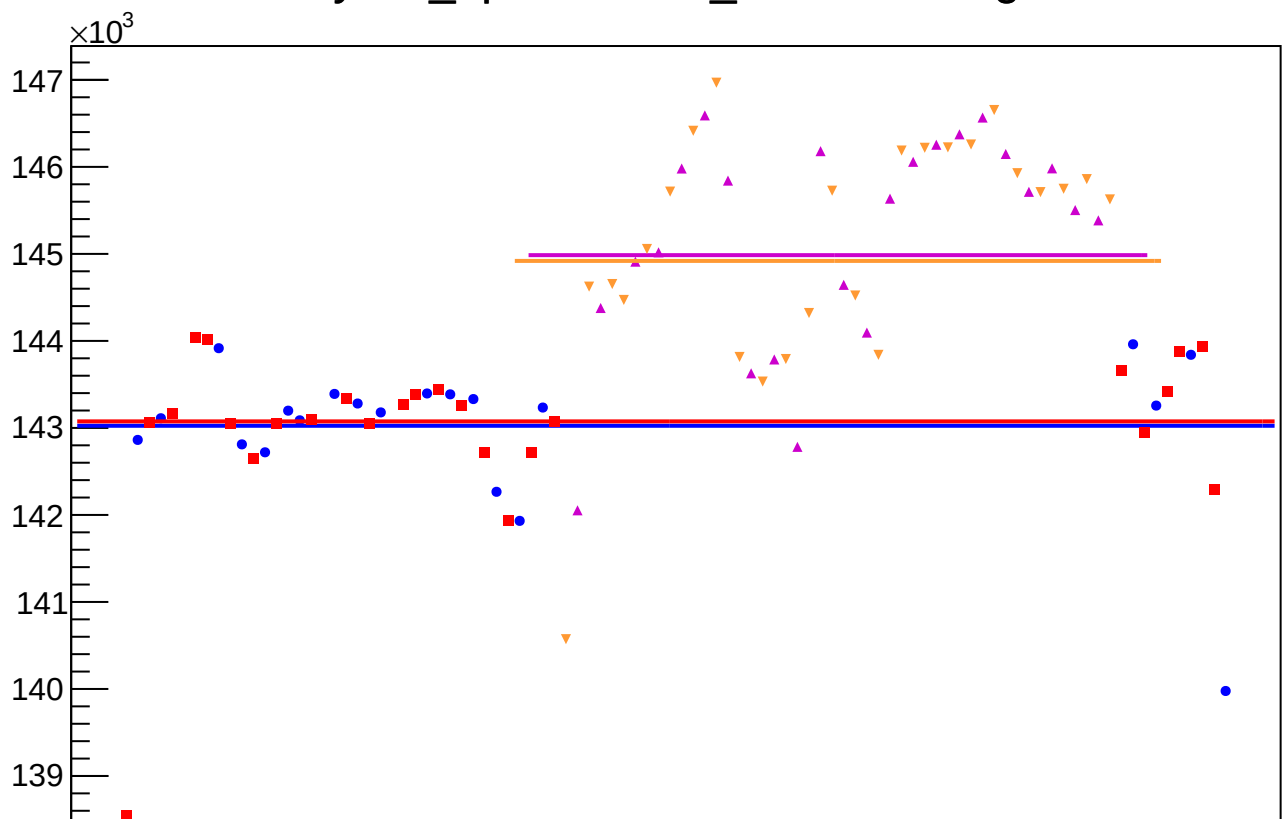
Right Out: 42.163+/-0.016 χ^2/NDF: 13670387.3/24

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 39.554+/-0.010 χ^2/NDF: 40748794.8/44

All: 49.663+/-0.008 χ^2/NDF: 76168671.2/92

- sign 71.990+/-0.015 χ^2/NDF: 32004821.2/47



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: 143075.188+/-0.056 χ^2/NDF: 68783441.6/24

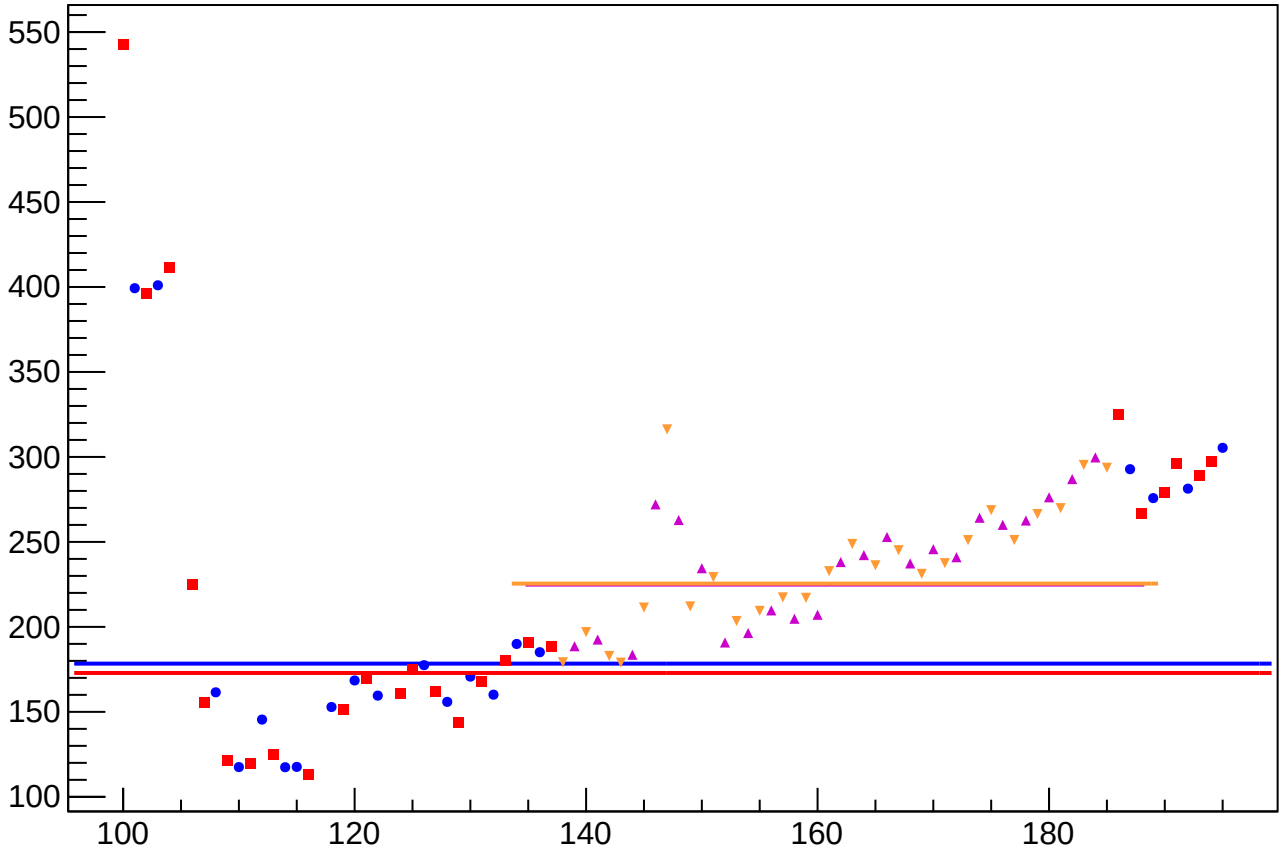
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144121.609+/-0.040 χ^2/NDF: 1533525264.7

All: 144099.199+/-0.028 χ^2/NDF: 28259071

- sign 144077.824+/-0.039 χ^2/NDF: 1291760565.8/

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: 172.883+/-0.040 χ^2/NDF: 2711861.0/24

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 205.644+/-0.028 χ^2/NDF: 3430718.0/44

All: 202.840+/-0.020 χ^2/NDF: 7780649.0/92

- sign 200.166+/-0.027 χ^2/NDF: 4330484.9/47

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: 11623.422+/-0.017 χ^2/NDF: 5889069182574.4/24

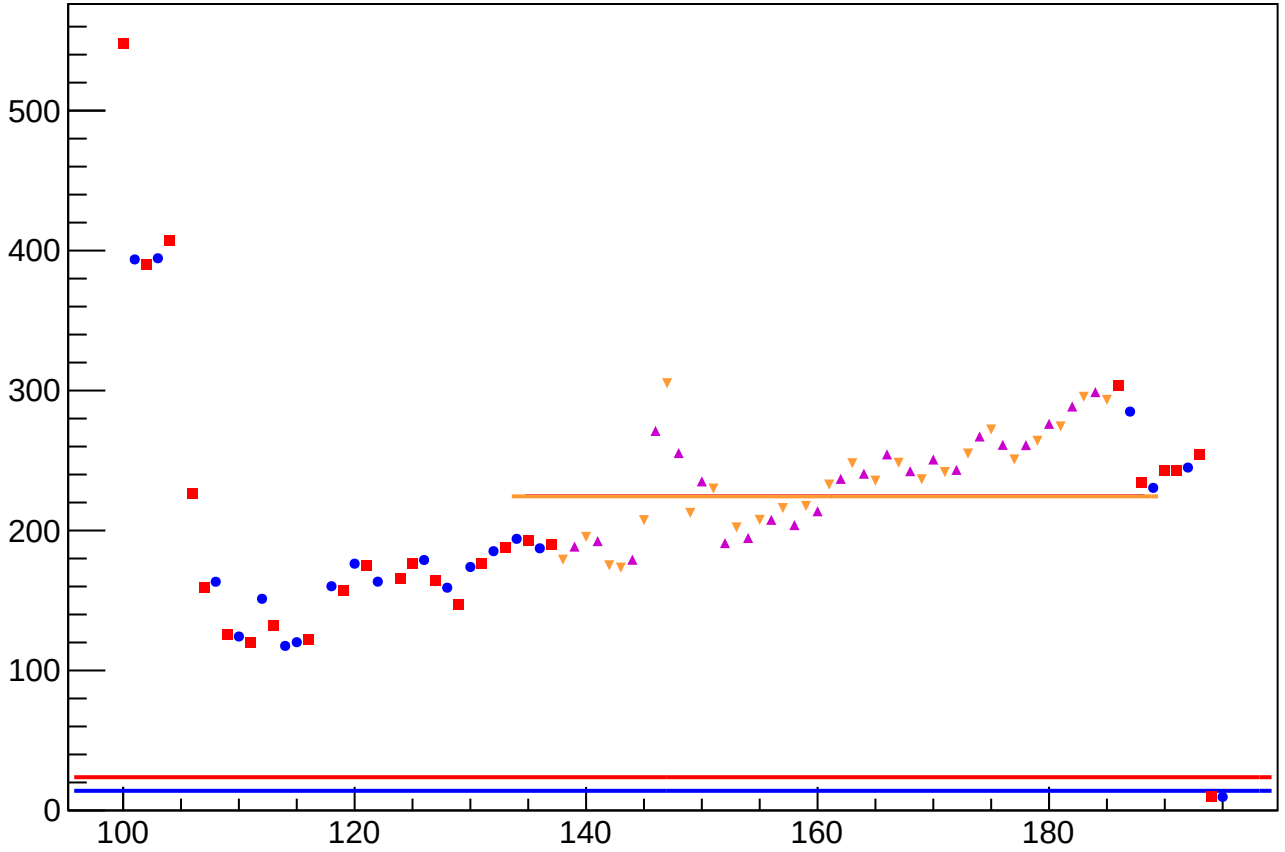
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 8115.010+/-0.010 χ^2/NDF: 12534180713214

All: 12471.712+/-0.008 χ^2/NDF: 248363427

- sign 23512.998+/-0.016 χ^2/NDF: 1163210051429

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

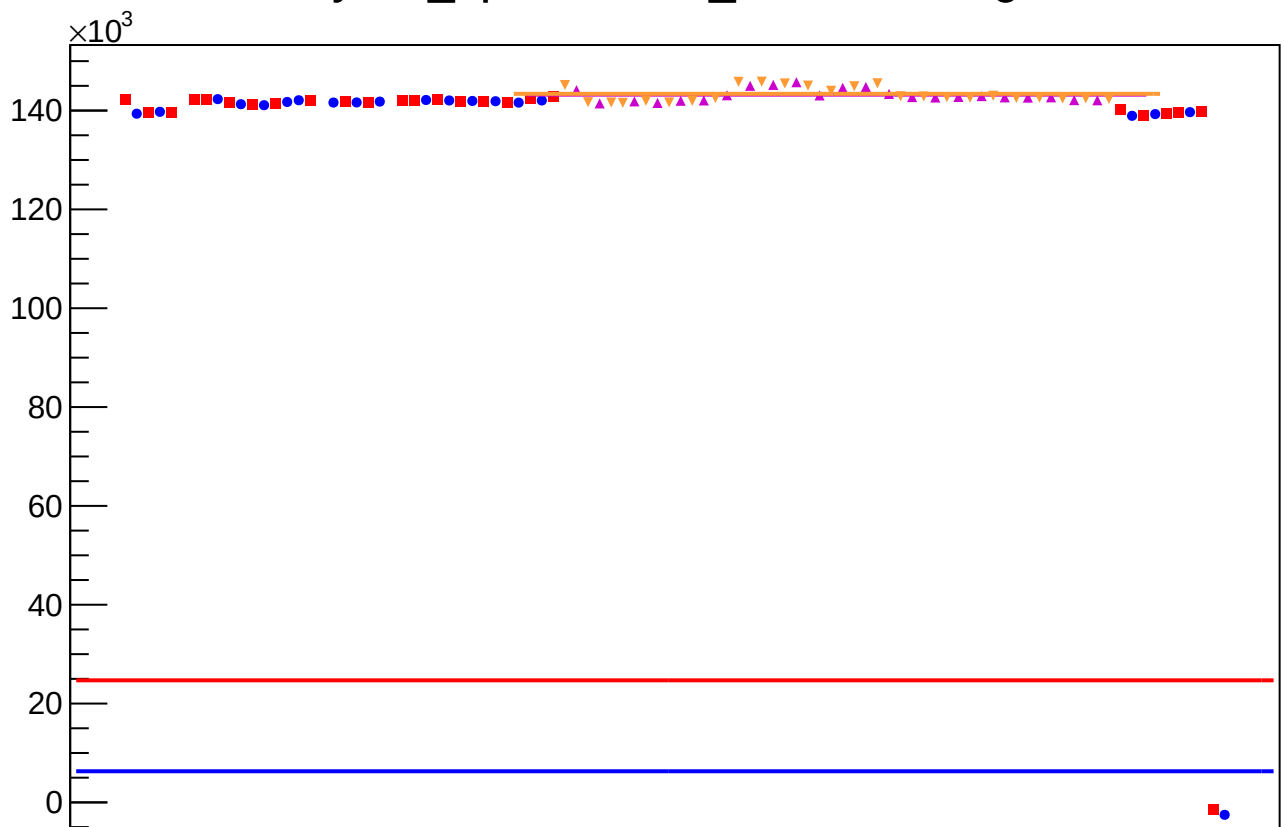
Right Out: 23.757+/-0.012 χ^2/NDF: 16375066.6/24

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 21.818+/-0.007 χ^2/NDF: 47513795.8/44

All: 27.394+/-0.006 χ^2/NDF: 92489050.4/92

- sign 41.525+/-0.011 χ^2/NDF: 42780135.6/47



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: 24702.597+/-0.026 χ^2/NDF: 4688547745638.5/24

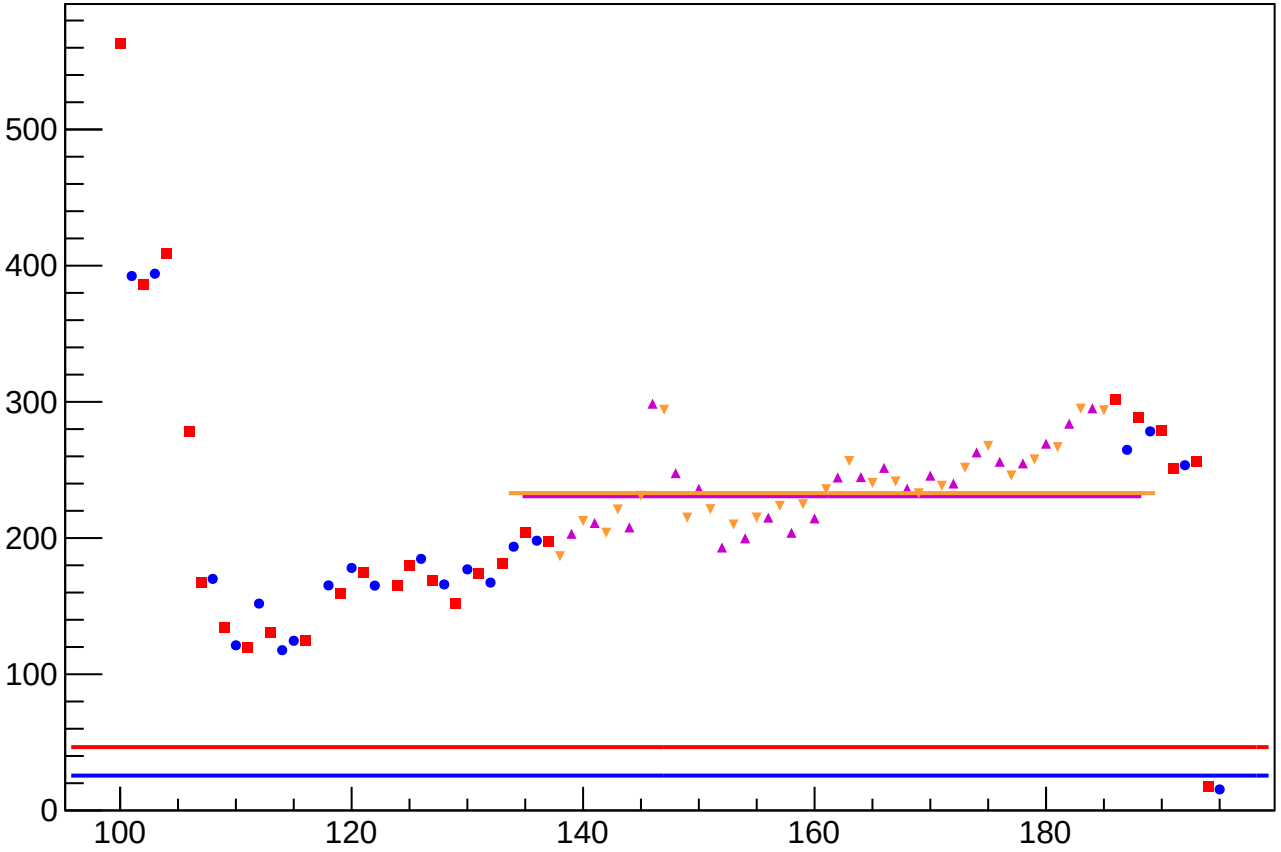
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 17487.914+/-0.015 χ^2/NDF: 106409597081

All: 26130.887+/-0.013 χ^2/NDF: 202113814

- sign 45806.301+/-0.023 χ^2/NDF: 8529565324351

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

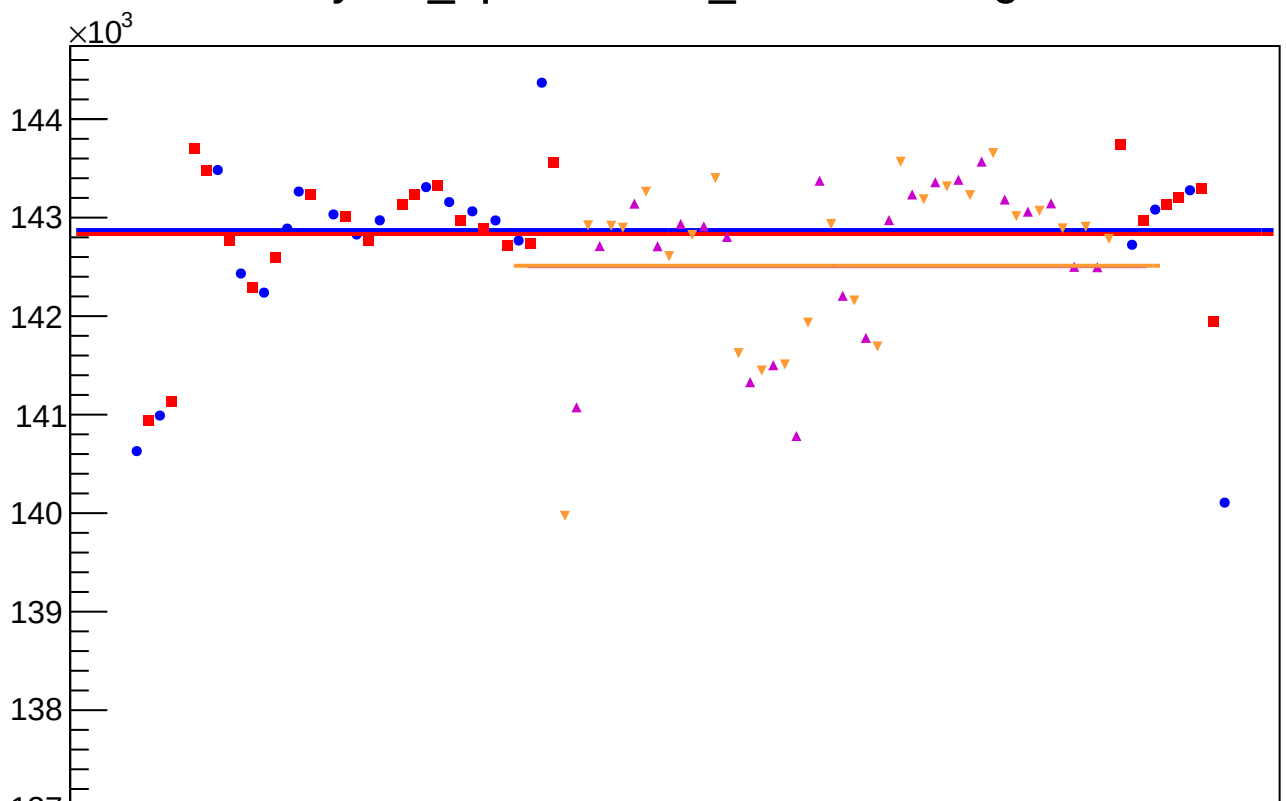
Right Out: 46.503+/-0.018 χ^2/NDF: 13796880.2/24

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 42.517+/-0.011 χ^2/NDF: 41640375.9/44

All: 53.743+/-0.009 χ^2/NDF: 78012599.4/92

- sign 79.300+/-0.016 χ^2/NDF: 32860050.1/47



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: 142833.923+/-0.058 χ^2/NDF: 79829432.5/24

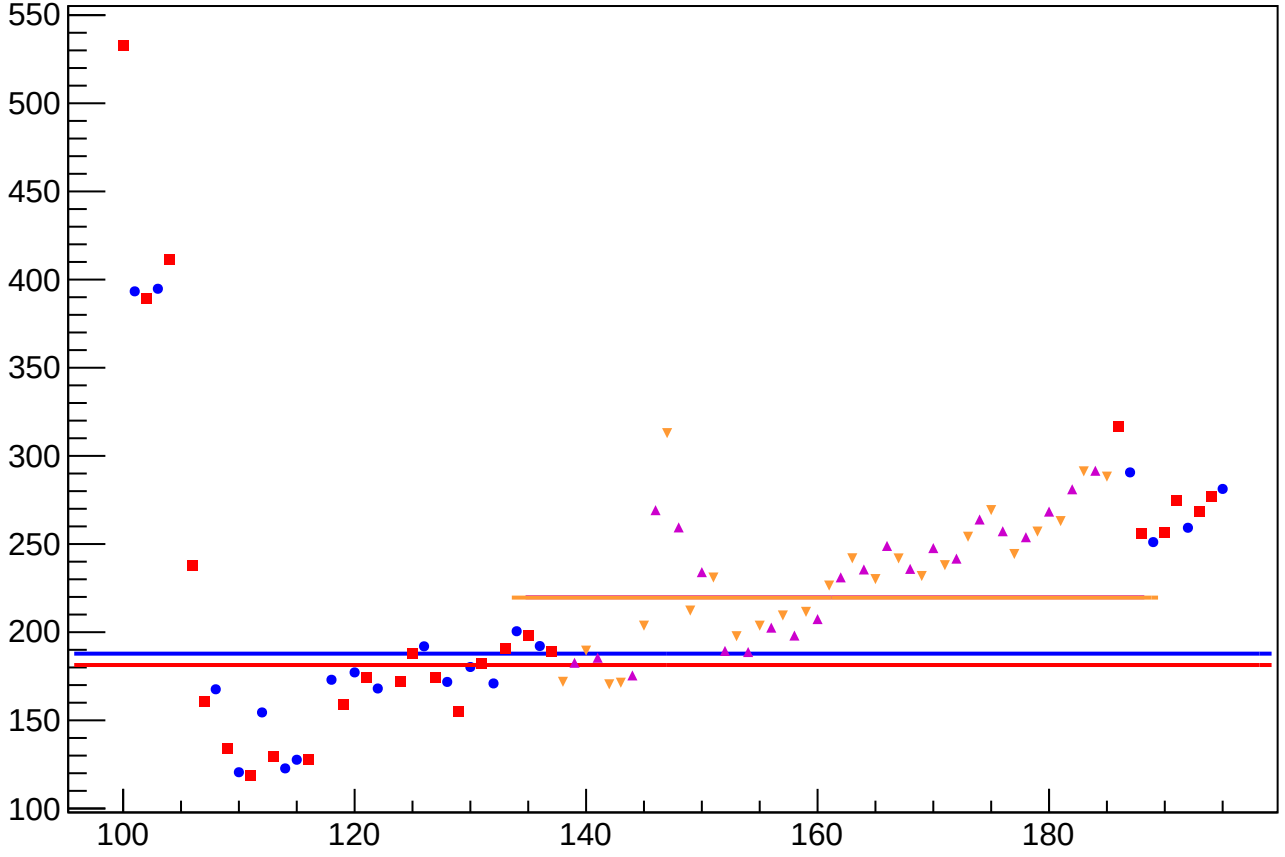
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142652.151+/-0.040 χ^2/NDF: 554011313.4/4

All: 142652.644+/-0.028 χ^2/NDF: 92041304

- sign 142653.117+/-0.039 χ^2/NDF: 366401435.8/4

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

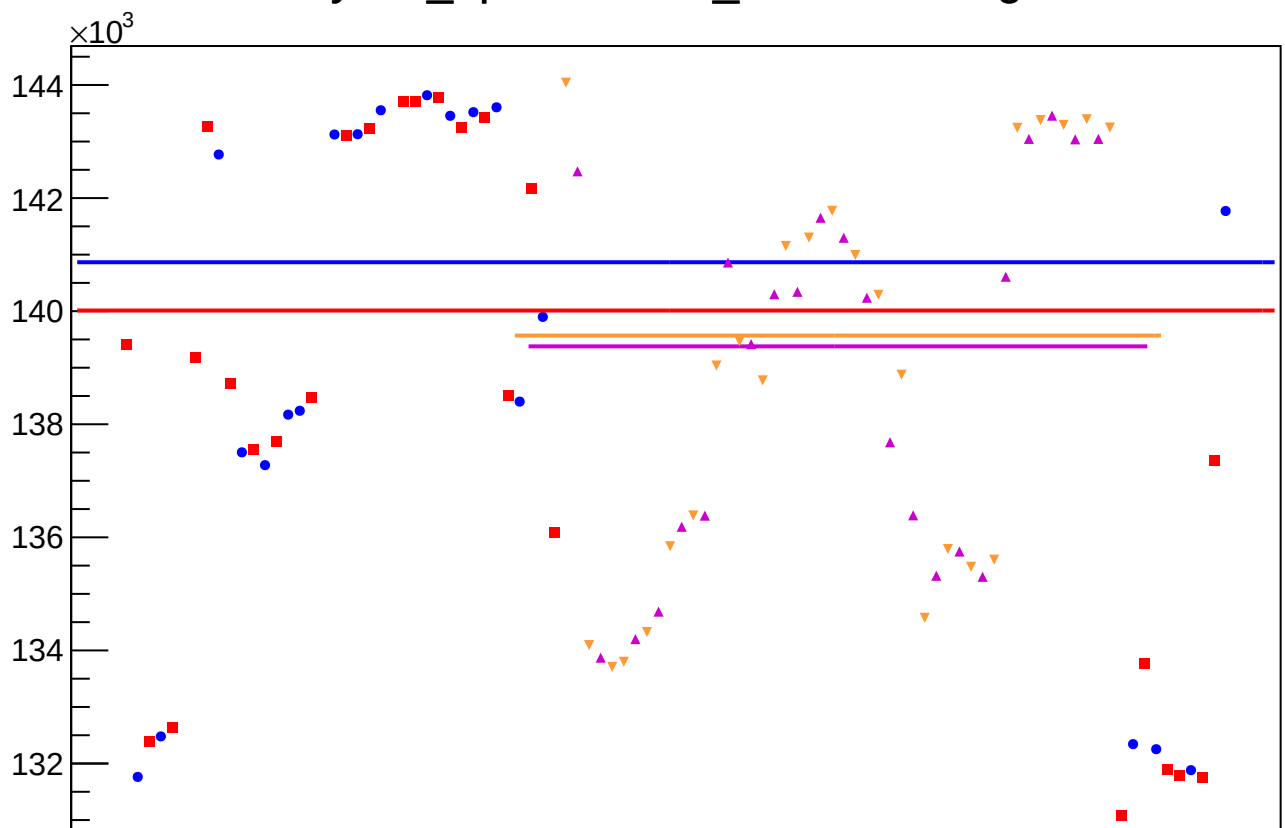
Right Out: 181.382+/-0.041 χ^2/NDF: 2242463.3/24

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 207.268+/-0.028 χ^2/NDF: 2778638.1/44

All: 204.924+/-0.020 χ^2/NDF: 6319983.6/92

- sign 202.673+/-0.028 χ^2/NDF: 3527747.4/47



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: 140011.668+/-0.091 χ^2/NDF: 2034616106.0/24

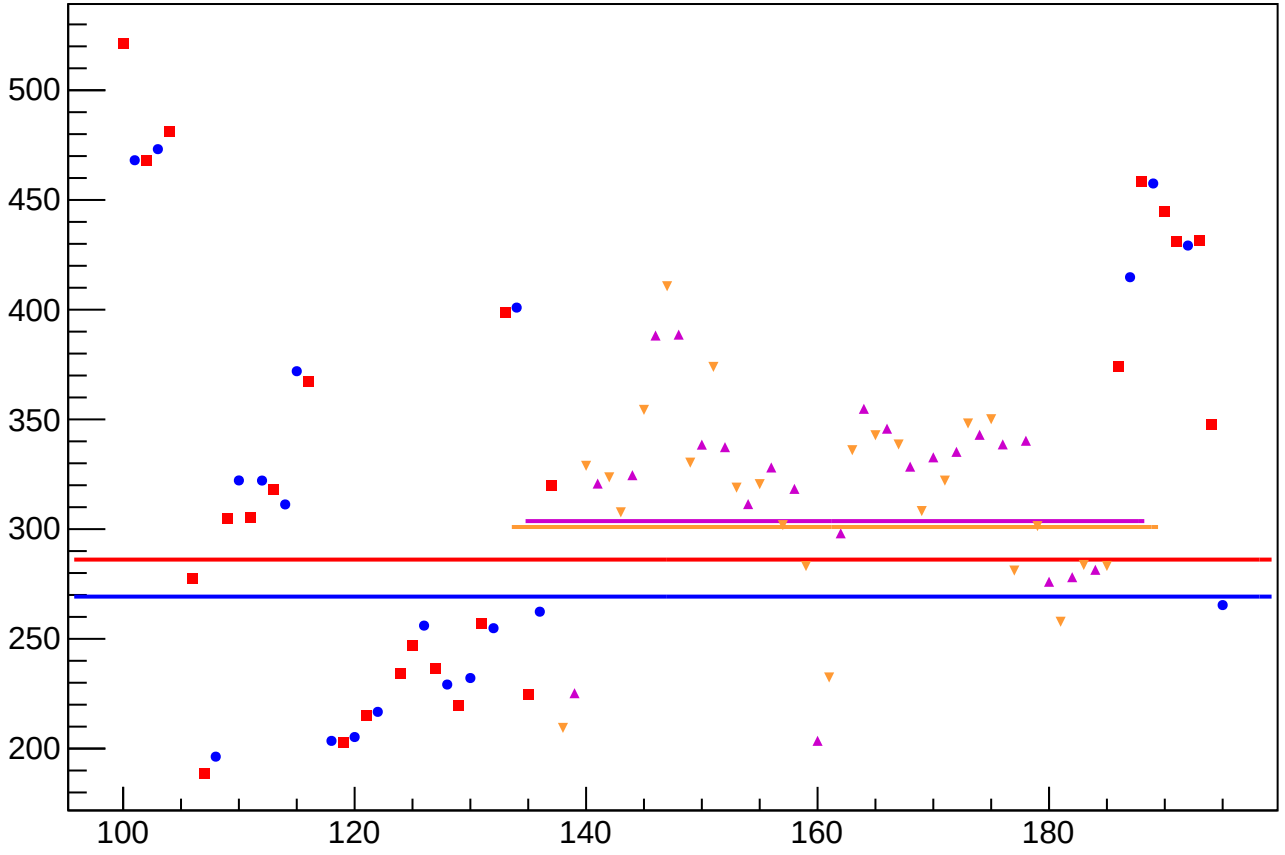
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140047.376+/-0.056 χ^2/NDF: 4398518586.5

All: 139841.078+/-0.040 χ^2/NDF: 84121739

- sign 139624.212+/-0.057 χ^2/NDF: 3985435744.5/

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

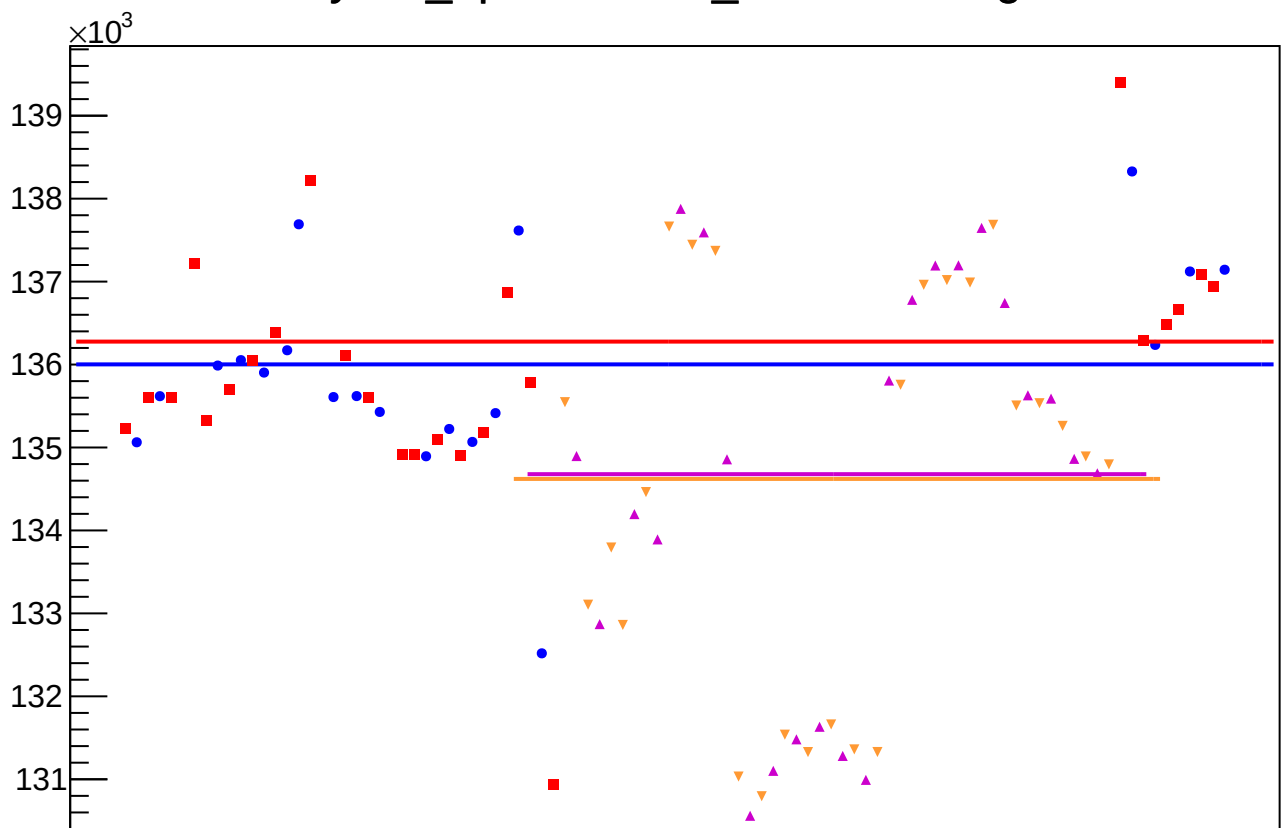
Right Out: 286.118+/-0.065 χ^2/NDF: 1800596.2/24

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 289.258+/-0.039 χ^2/NDF: 2507298.1/44

All: 292.952+/-0.028 χ^2/NDF: 5347218.4/92

- sign 296.836+/-0.040 χ^2/NDF: 2821822.0/47



Right In: 136001.991+/-0.099 χ^2/NDF: 146431839.5/19

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136276.612+/-0.087 χ^2/NDF: 151402607.2/24

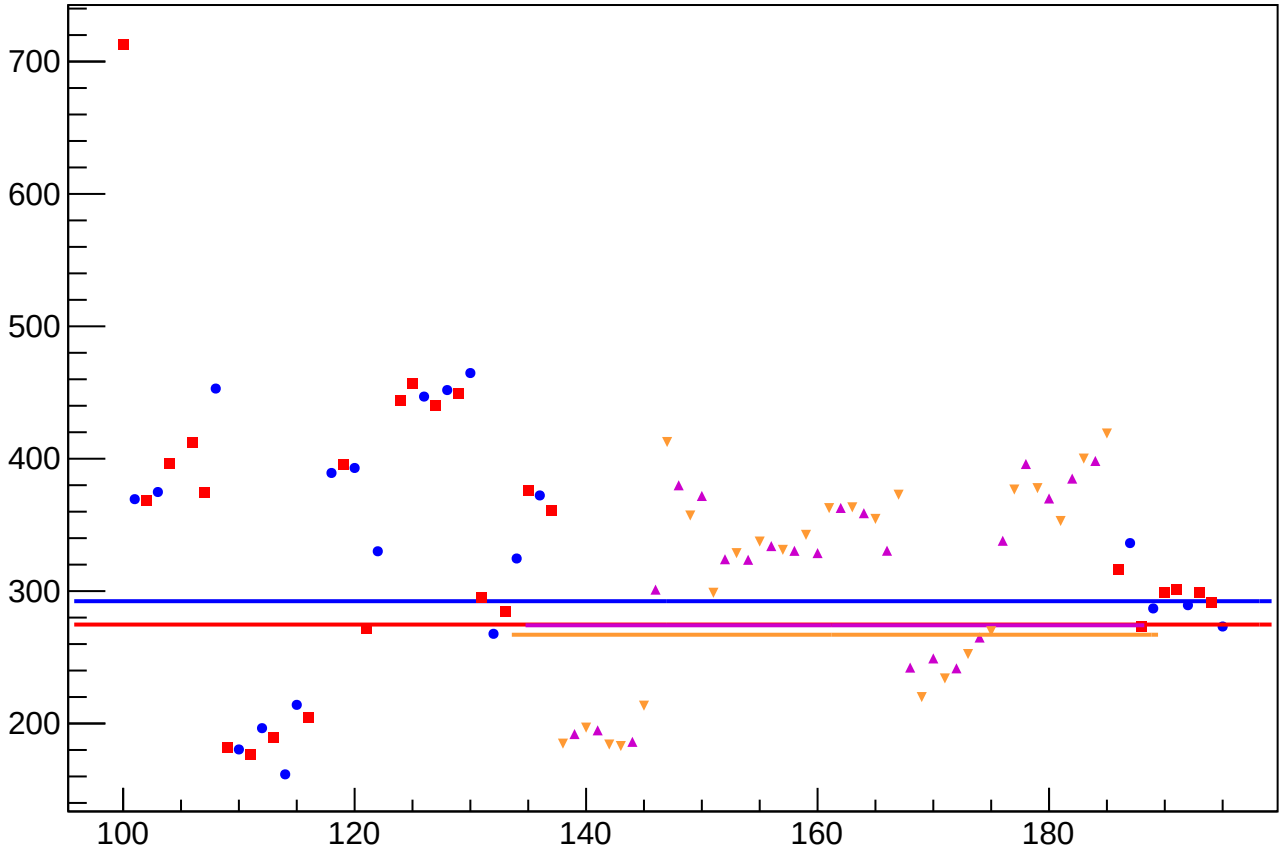
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 135026.964+/-0.054 χ^2/NDF: 1485940948.8

All: 135148.755+/-0.038 χ^2/NDF: 29546393

- sign 135268.619+/-0.053 χ^2/NDF: 1458436492.2/

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

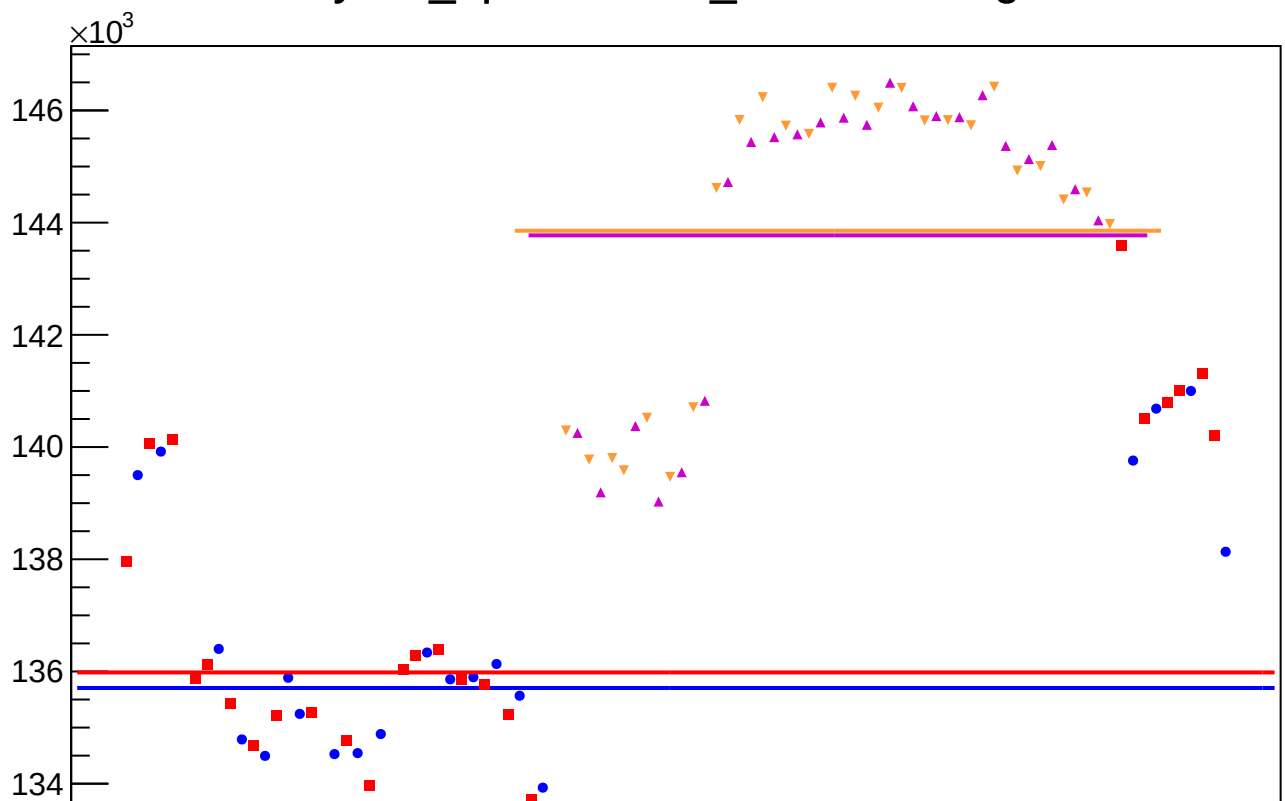
Right Out: 274.738+/-0.062 χ^2/NDF: 1727173.0/24

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 274.500+/-0.038 χ^2/NDF: 4395265.2/44

All: 274.442+/-0.027 χ^2/NDF: 8359249.9/92

- sign 274.384+/-0.038 χ^2/NDF: 3963980.0/47



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: 135982.805+/-0.049 χ^2/NDF: 1901888476.3/24

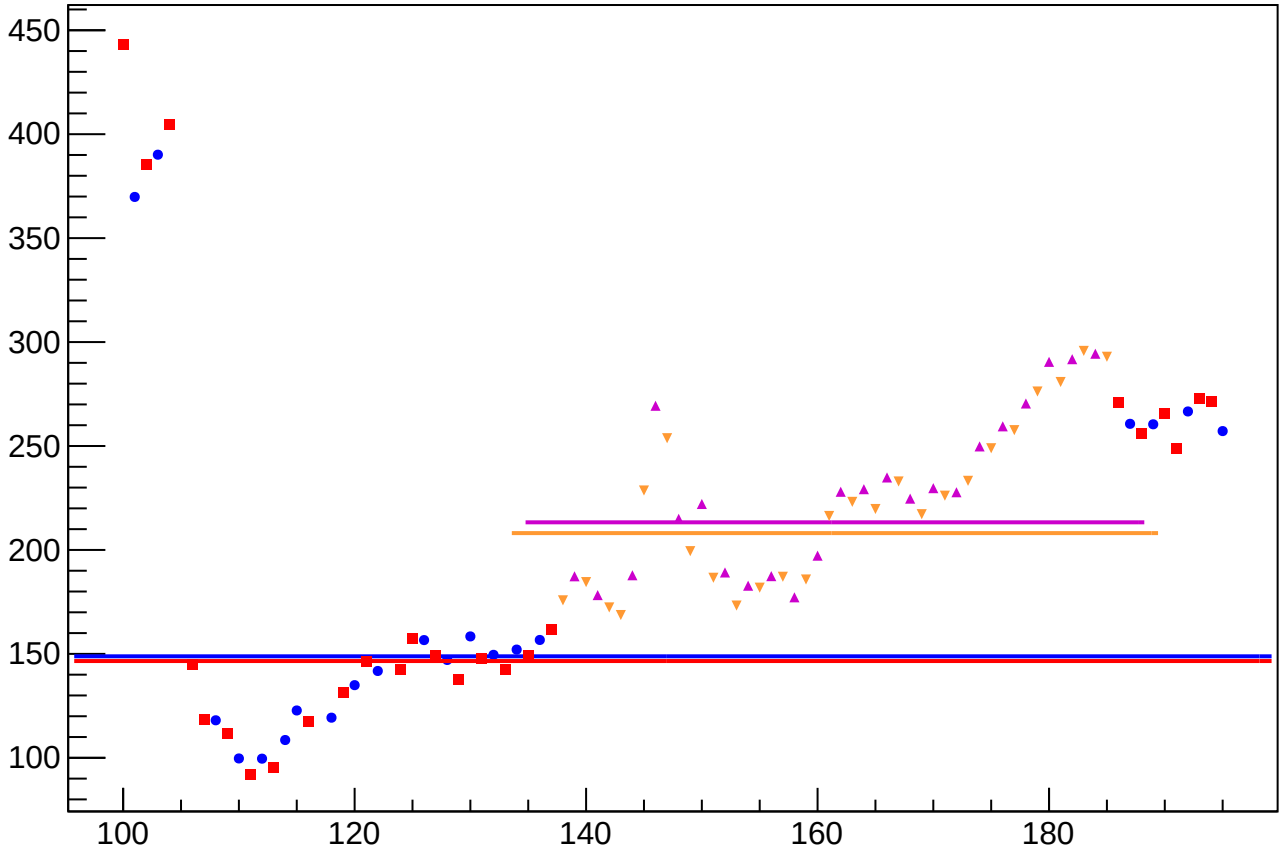
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140071.278+/-0.035 χ^2/NDF: 17487952320.

All: 139878.921+/-0.025 χ^2/NDF: 34521662

- sign 139689.284+/-0.035 χ^2/NDF: 16974990410.

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

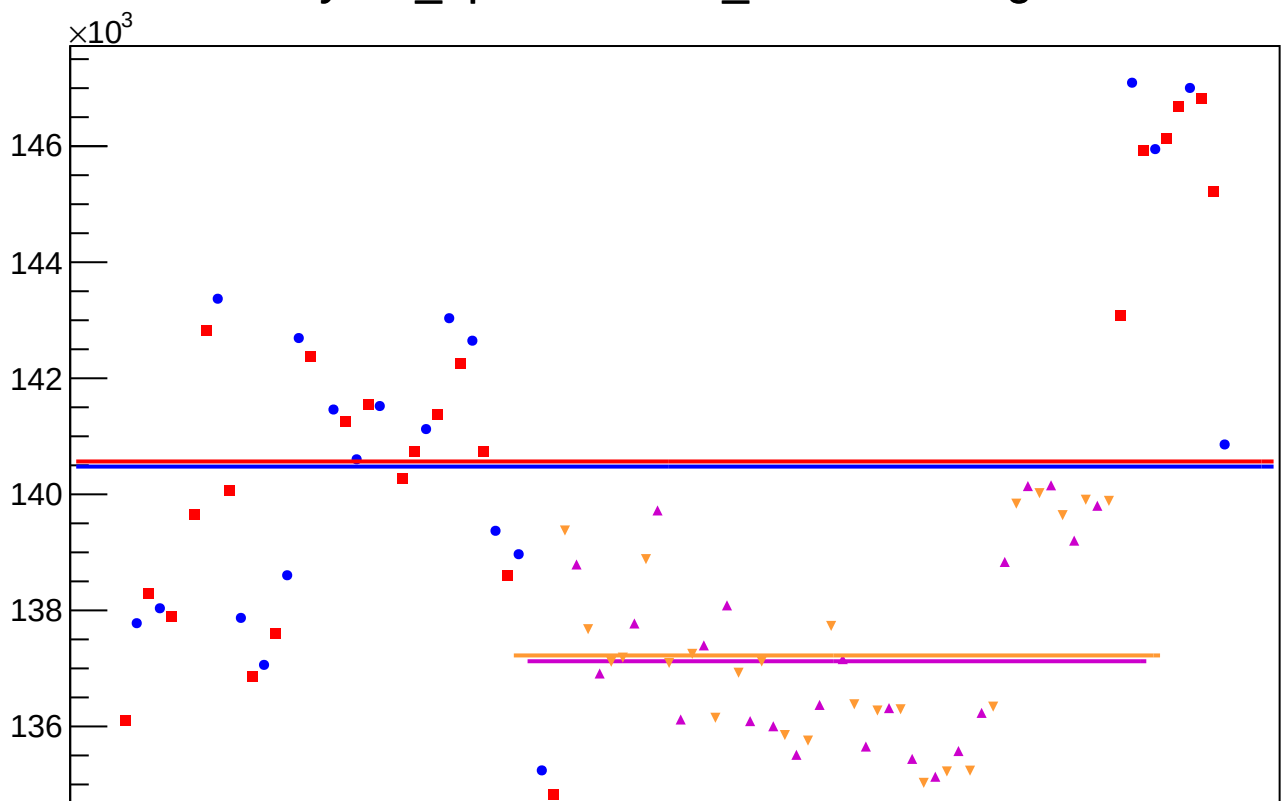
Right Out: 146.557+/-0.034 χ^2/NDF: 3174617.4/24

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 180.576+/-0.025 χ^2/NDF: 4824568.9/44

All: 179.433+/-0.018 χ^2/NDF: 10669440.5/92

- sign 178.306+/-0.025 χ^2/NDF: 5840724.5/47



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: 140566.600+/-0.055 χ^2/NDF: 3235303063.7/24

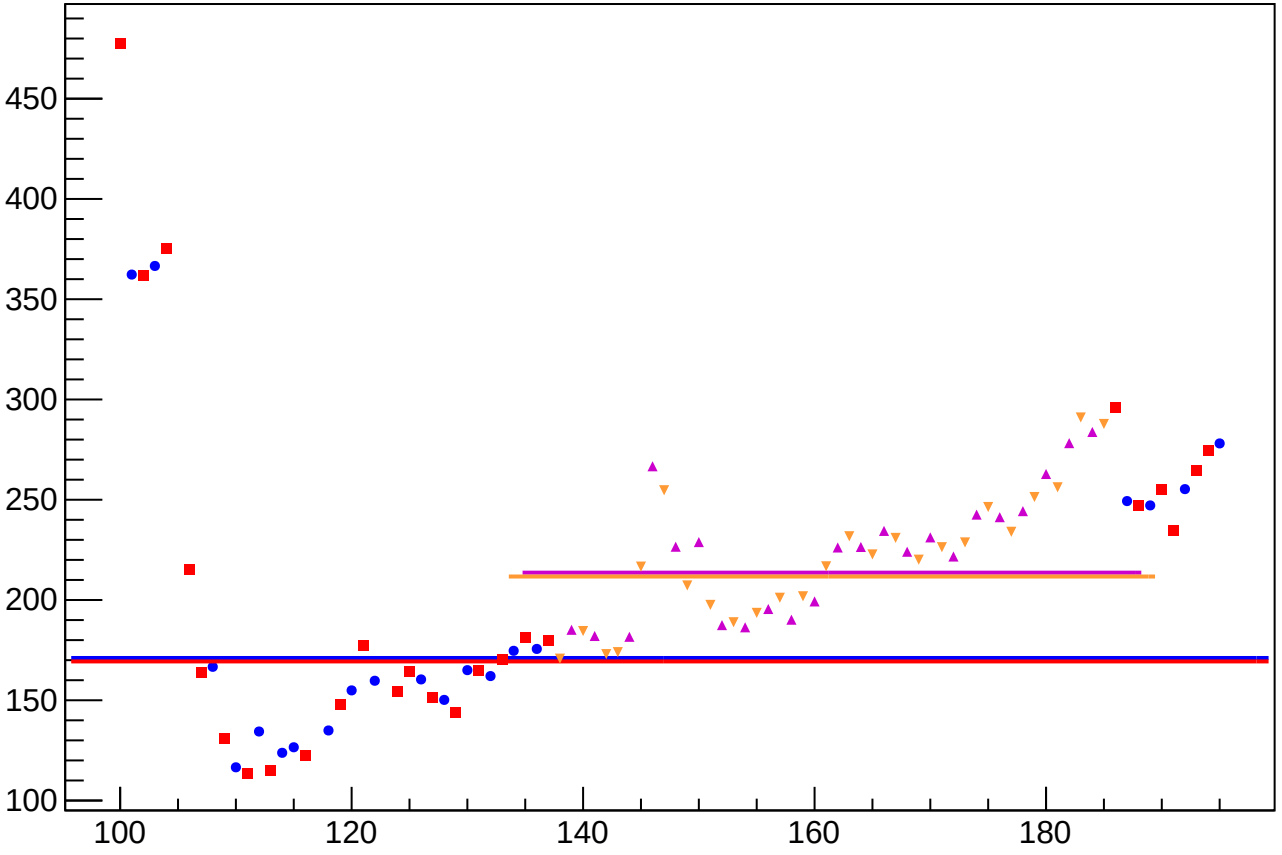
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138568.388+/-0.038 χ^2/NDF: 5506016897.6

All: 138643.948+/-0.026 χ^2/NDF: 11728874

- sign 138718.410+/-0.037 χ^2/NDF: 6214827768.3/

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

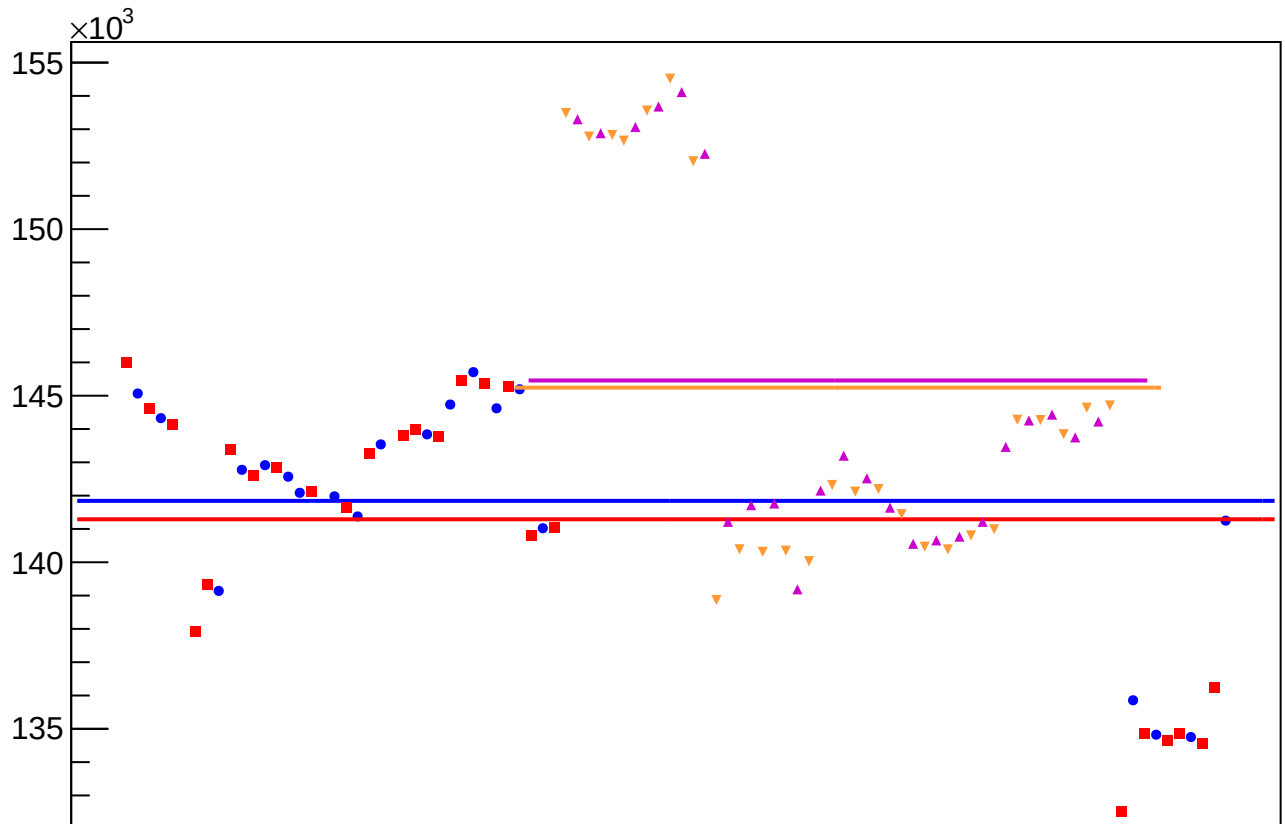
Right Out: 169.372+/-0.039 χ^2/NDF: 2310784.3/24

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 194.926+/-0.027 χ^2/NDF: 2946759.7/44

All: 194.024+/-0.019 χ^2/NDF: 6581719.7/92

- sign 193.135+/-0.026 χ^2/NDF: 3632670.8/47



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: 141289.684+/-0.055 χ^2/NDF: 4358559720.6/24

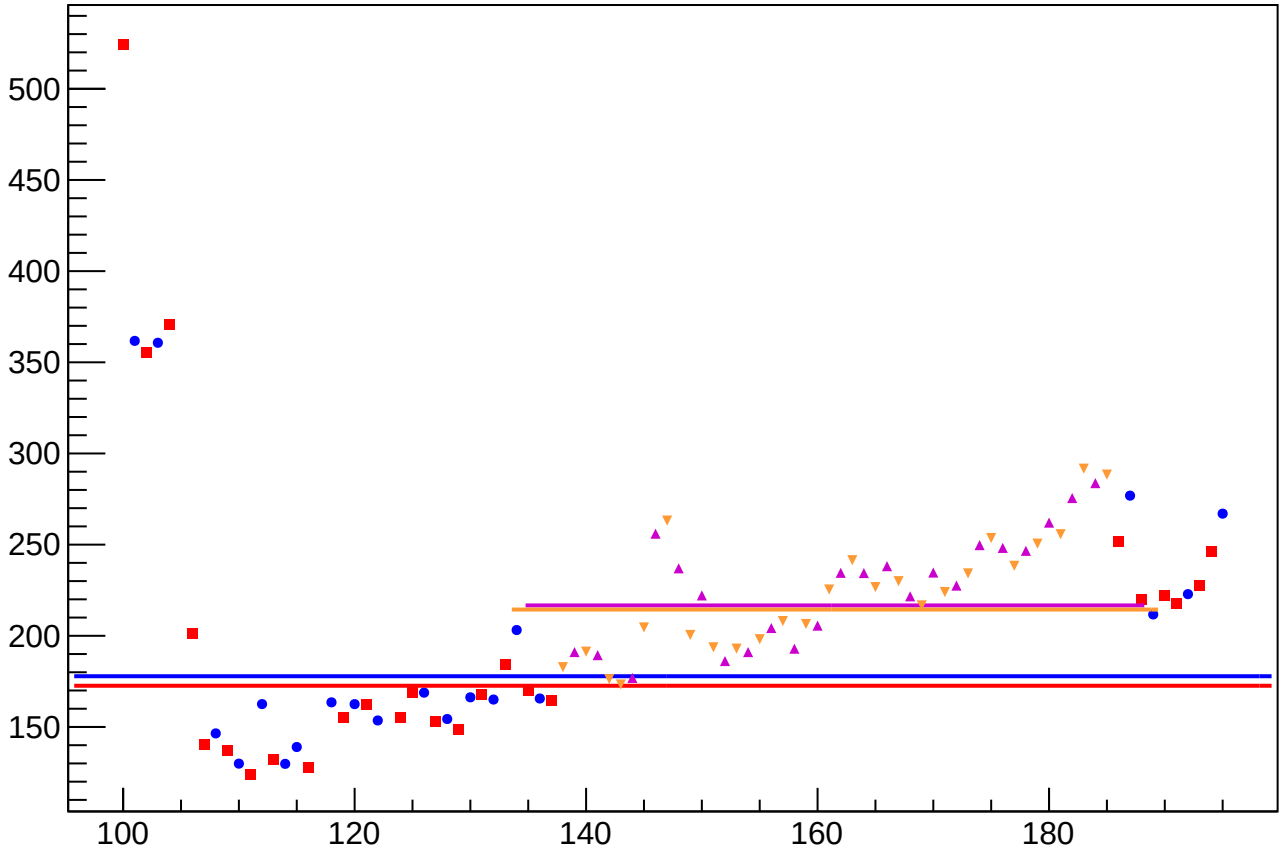
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143862.573+/-0.038 χ^2/NDF: 17605327578.

All: 143680.000+/-0.027 χ^2/NDF: 36140891

- sign 143503.580+/-0.038 χ^2/NDF: 18490756324.4

yield_bpm0i05WS_rms vs Slug



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: 172.602+/-0.039 χ^2/NDF: 1610824.6/24

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 199.551+/-0.027 χ^2/NDF: 2350706.2/44

All: 197.748+/-0.019 χ^2/NDF: 5241228.7/92

- sign 196.006+/-0.027 χ^2/NDF: 2881785.7/47

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: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

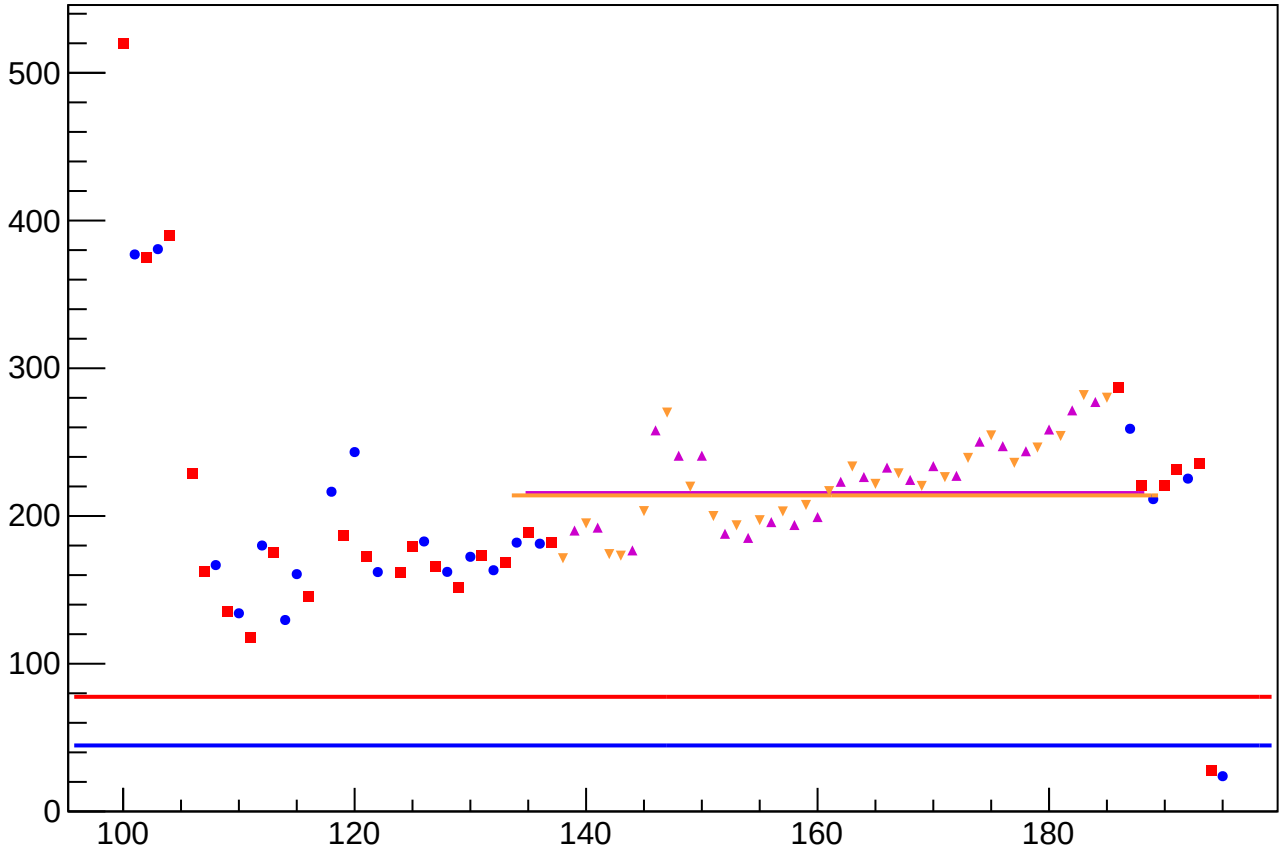
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 33304.663+/-0.022 χ^2/NDF: 1157370712144

All: 48025.559+/-0.017 χ^2/NDF: 204179325

- sign 74222.610+/-0.029 χ^2/NDF: 7541164405627

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

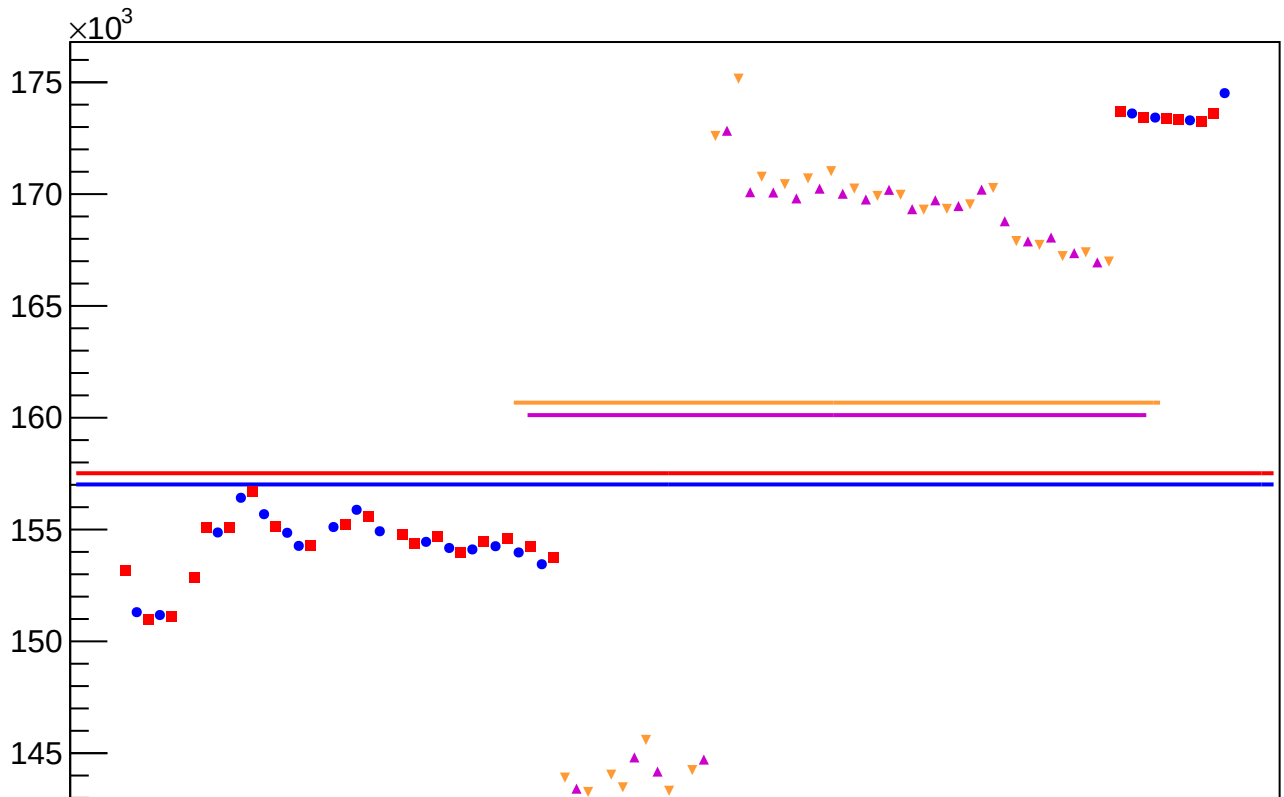
Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 76.759+/-0.015 χ^2/NDF: 31117121.3/44

All: 92.632+/-0.012 χ^2/NDF: 54731267.9/92

- sign 120.881+/-0.020 χ^2/NDF: 20583878.6/47



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: 157518.121+/-0.056 χ^2/NDF: 13923241088.4/24

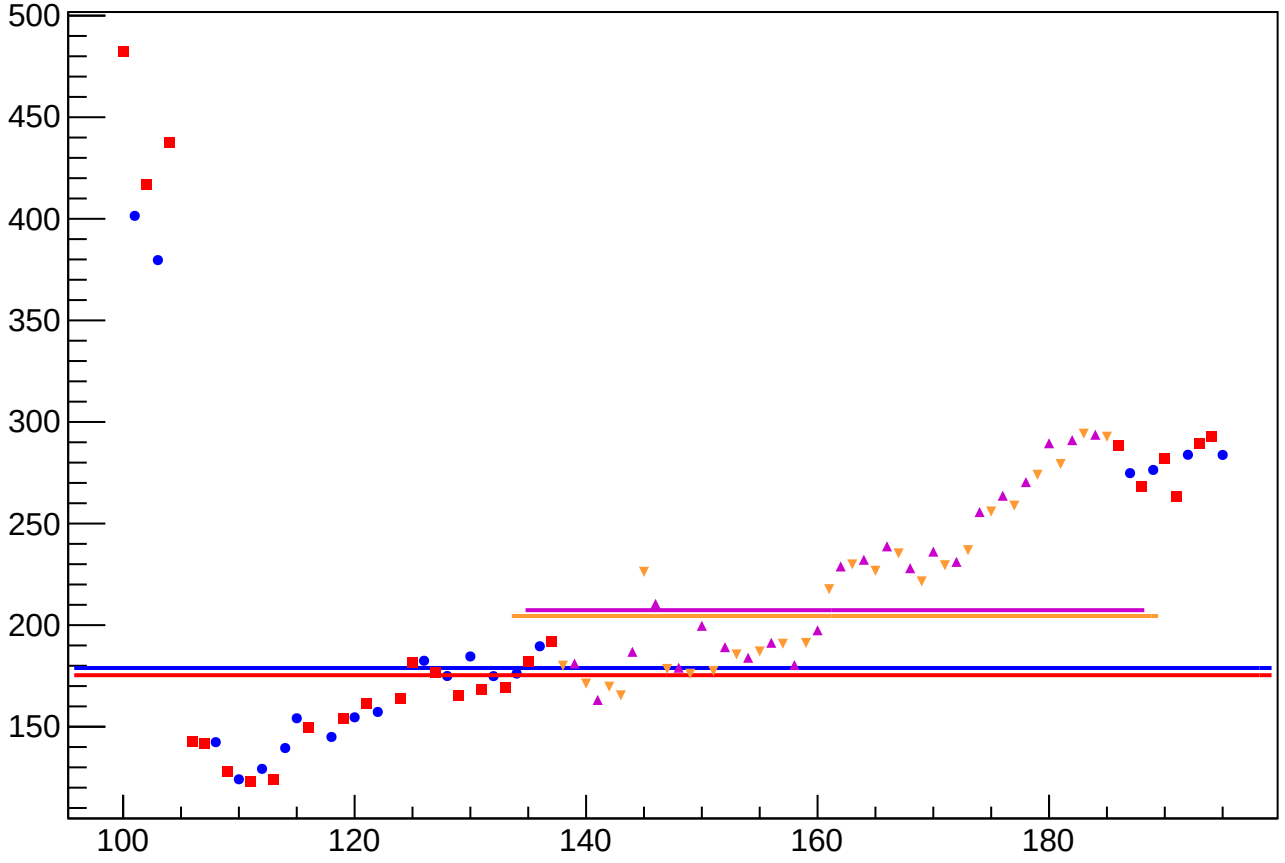
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159302.385+/-0.037 χ^2/NDF: 86895011783.

All: 159144.892+/-0.026 χ^2/NDF: 16860770

- sign 158989.834+/-0.037 χ^2/NDF: 81677616944.

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

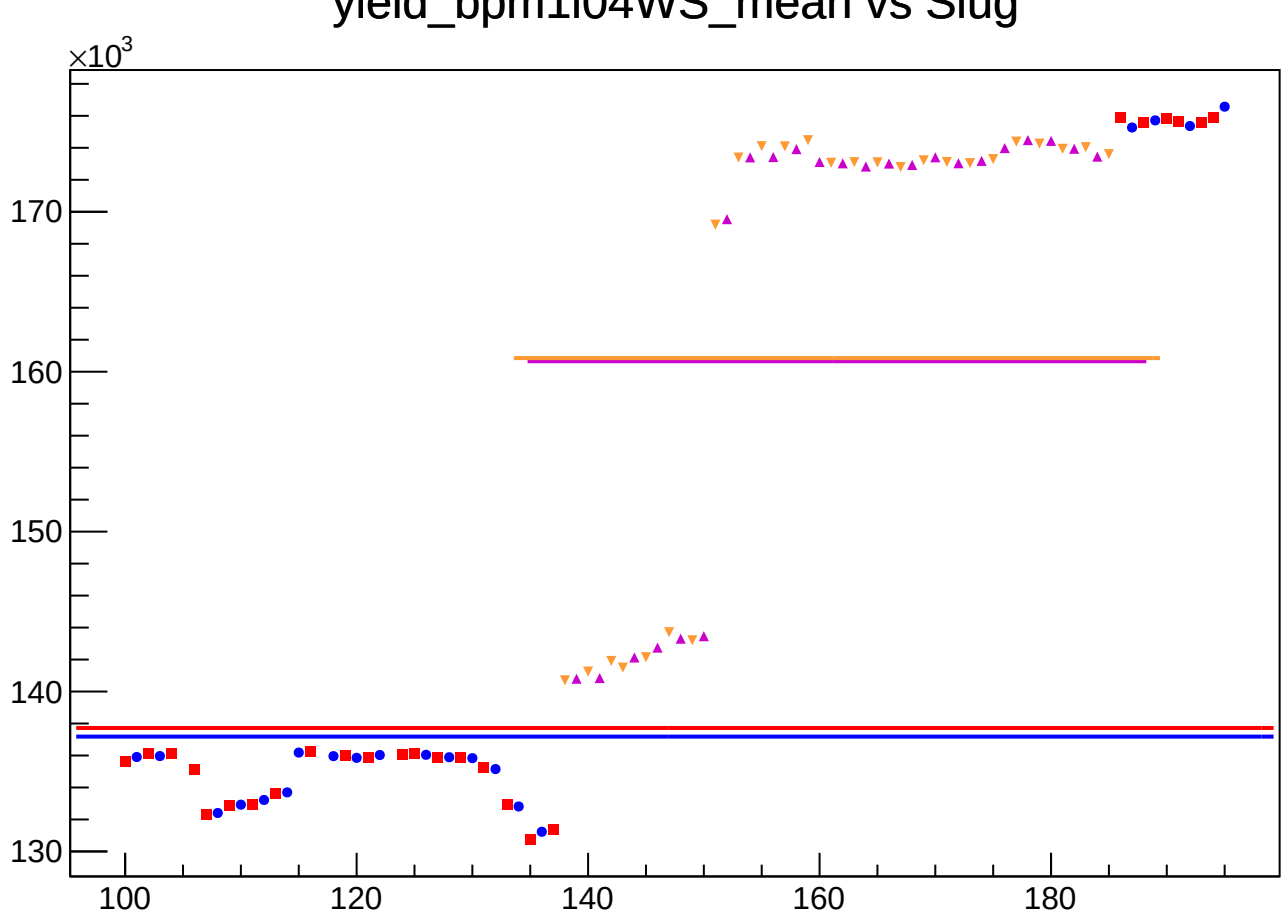
Right Out: 175.359+/-0.040 χ^2/NDF: 2467352.4/24

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 194.883+/-0.026 χ^2/NDF: 3133523.9/44

All: 194.177+/-0.019 χ^2/NDF: 6923231.3/92

- sign 193.482+/-0.026 χ^2/NDF: 3788298.3/47



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: 137722.201+/-0.046 χ^2/NDF: 64826905893.0/24

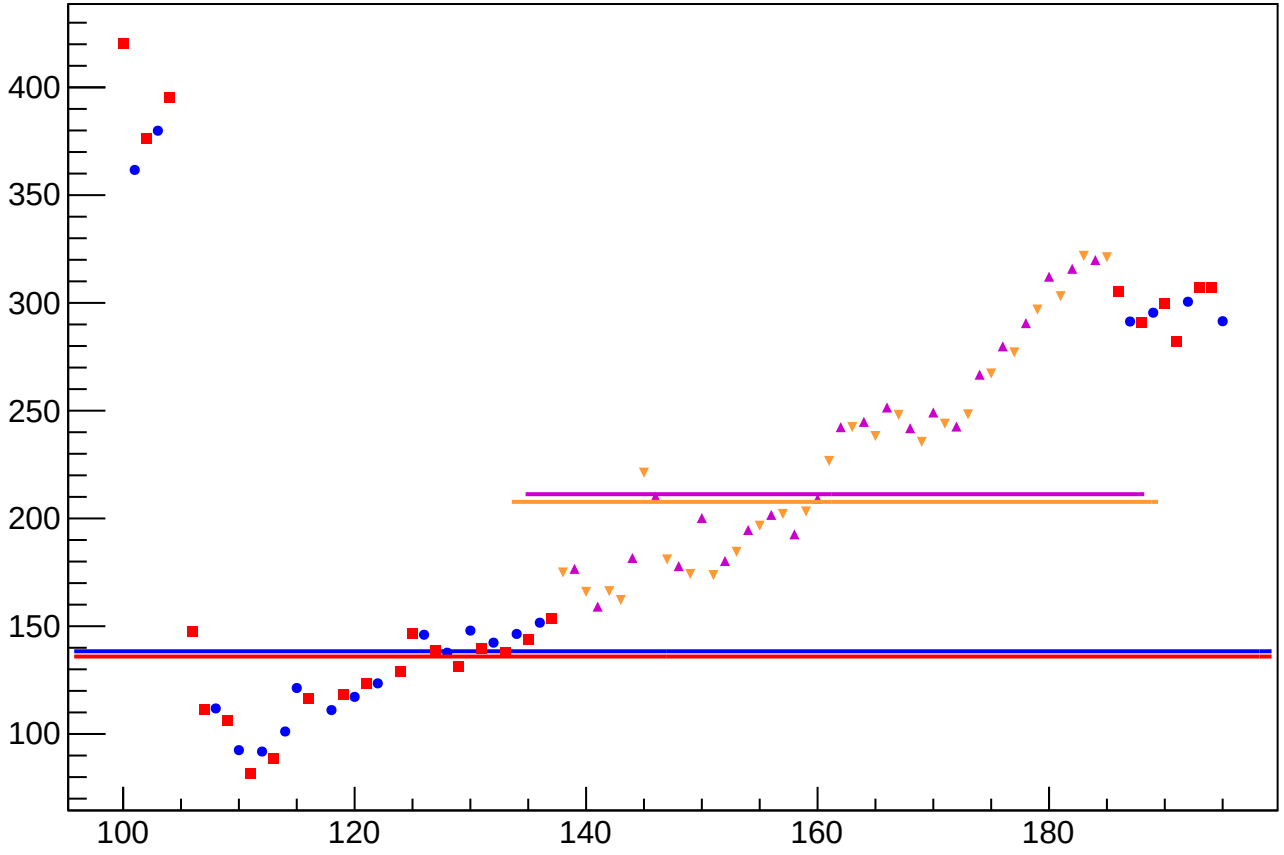
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149159.196+/-0.034 χ^2/NDF: 26511174040

All: 148607.482+/-0.024 χ^2/NDF: 5332731

- sign 148070.261+/-0.034 χ^2/NDF: 267655210744

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

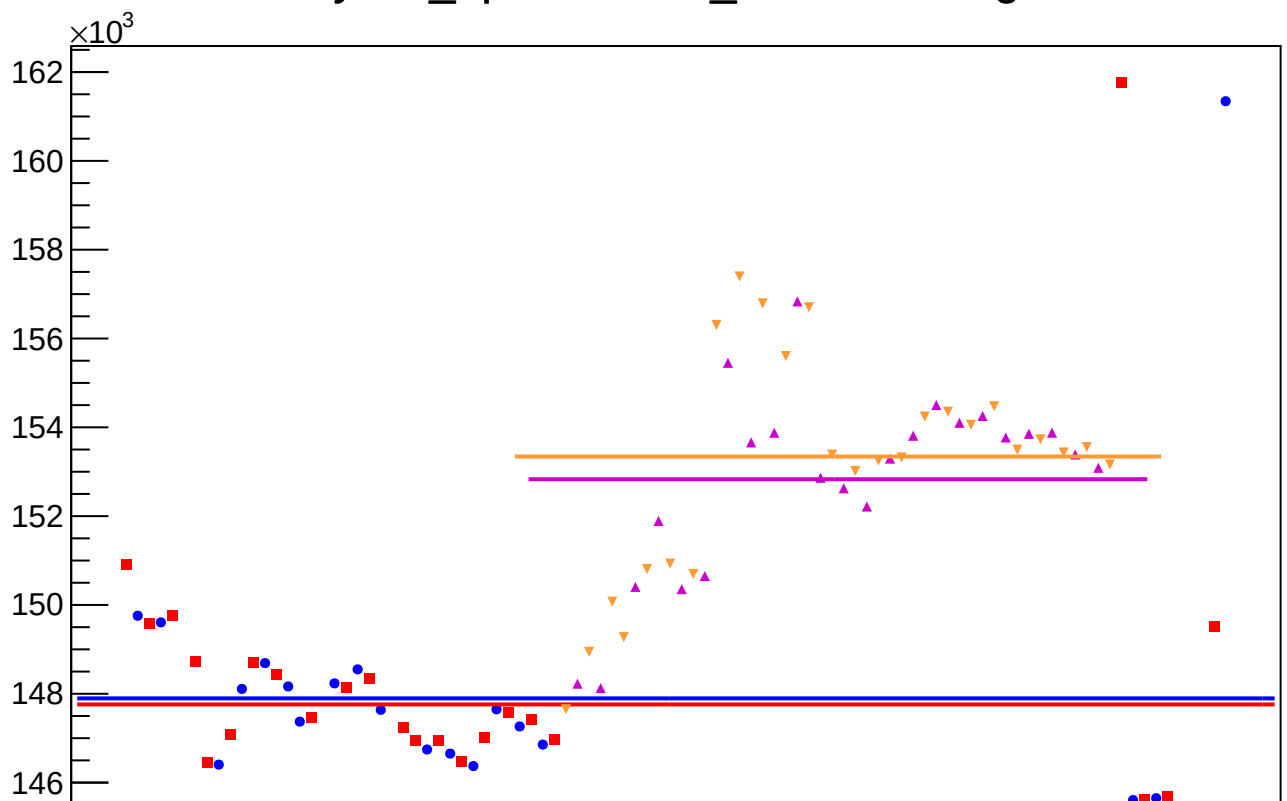
Right Out: 135.935+/-0.032 χ^2/NDF: 4005592.5/24

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 173.447+/-0.024 χ^2/NDF: 6550407.1/44

All: 171.662+/-0.017 χ^2/NDF: 14303438.6/92

- sign 169.923+/-0.024 χ^2/NDF: 7742426.1/47



Right In: 147895.929+/-0.059 χ^2/NDF: 2187999822.2/19

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147759.657+/-0.054 χ^2/NDF: 1300333233.0/24

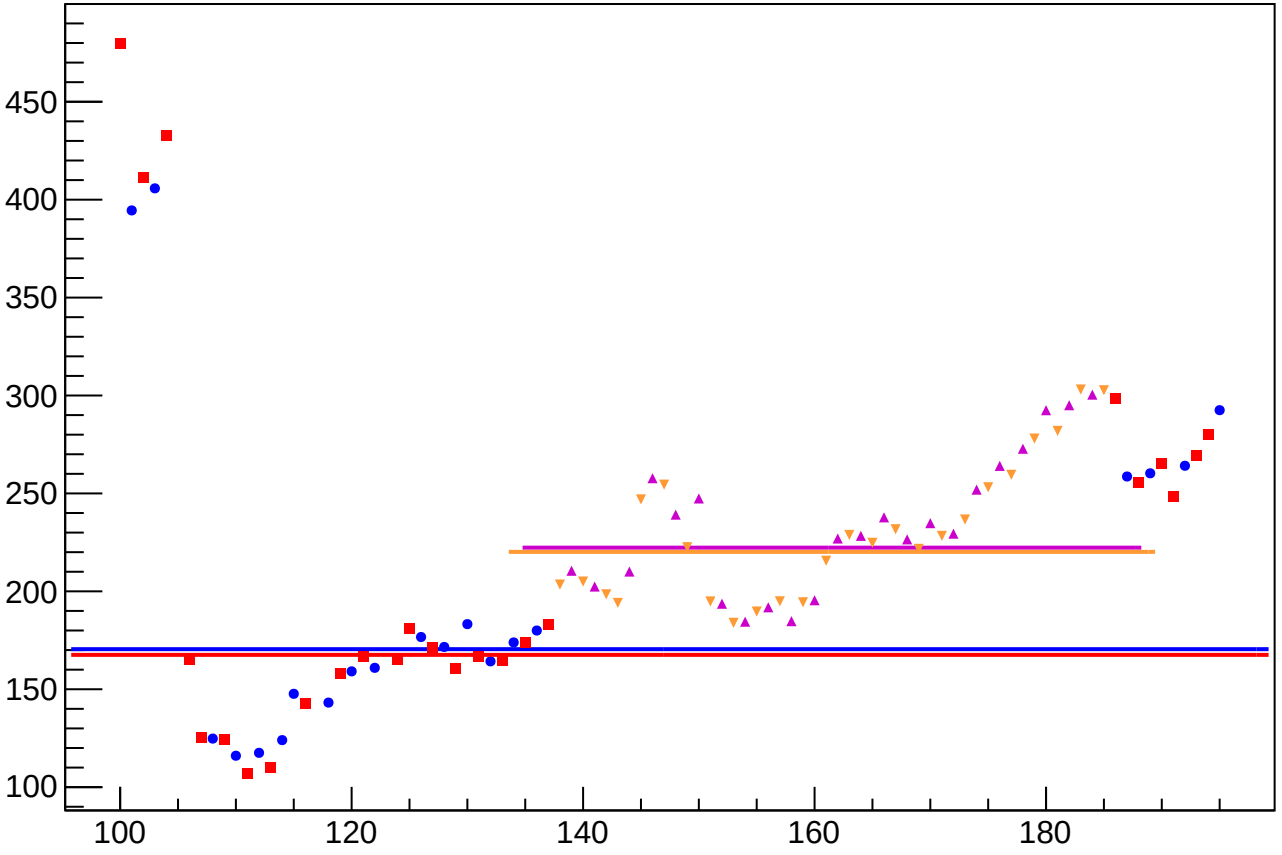
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151007.840+/-0.038 χ^2/NDF: 10093980431.

All: 150684.944+/-0.027 χ^2/NDF: 17924967

- sign 150370.648+/-0.038 χ^2/NDF: 7691447676.2/

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

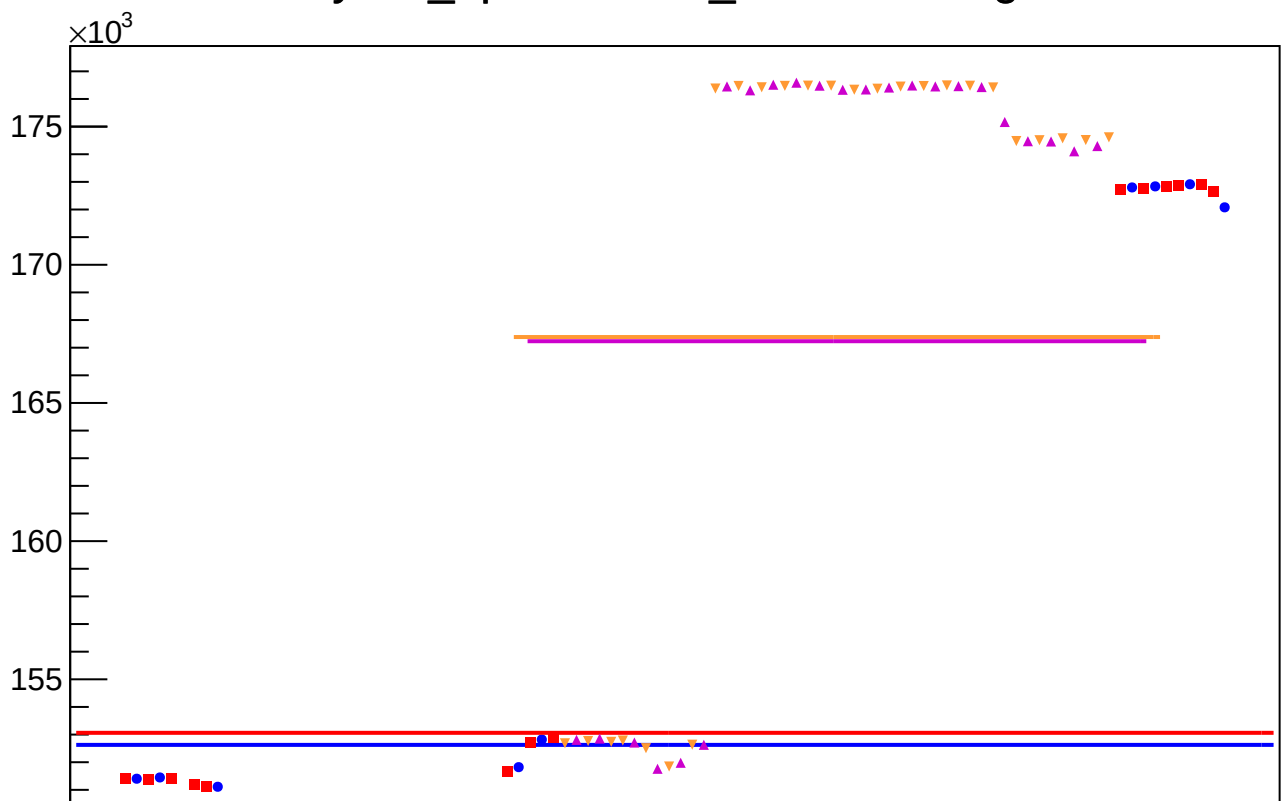
Right Out: 167.560+/-0.038 χ^2/NDF: 2672070.6/24

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 198.859+/-0.027 χ^2/NDF: 3576858.2/44

All: 197.280+/-0.019 χ^2/NDF: 7996390.3/92

- sign 195.743+/-0.027 χ^2/NDF: 4412856.7/47



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: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

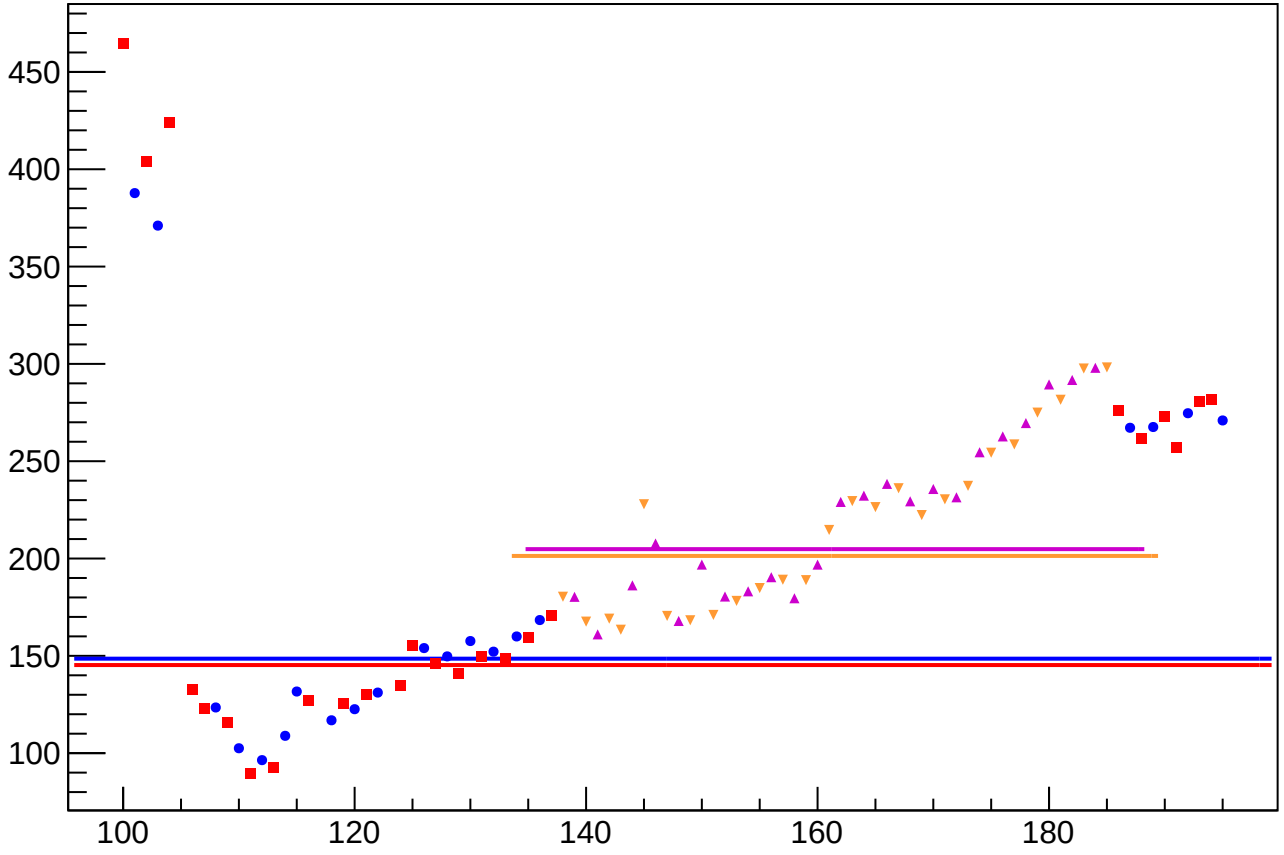
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160791.102+/-0.035 χ^2/NDF: 119618260004

All: 160402.626+/-0.024 χ^2/NDF: 2393173

- sign 160025.335+/-0.034 χ^2/NDF: 119452834445

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

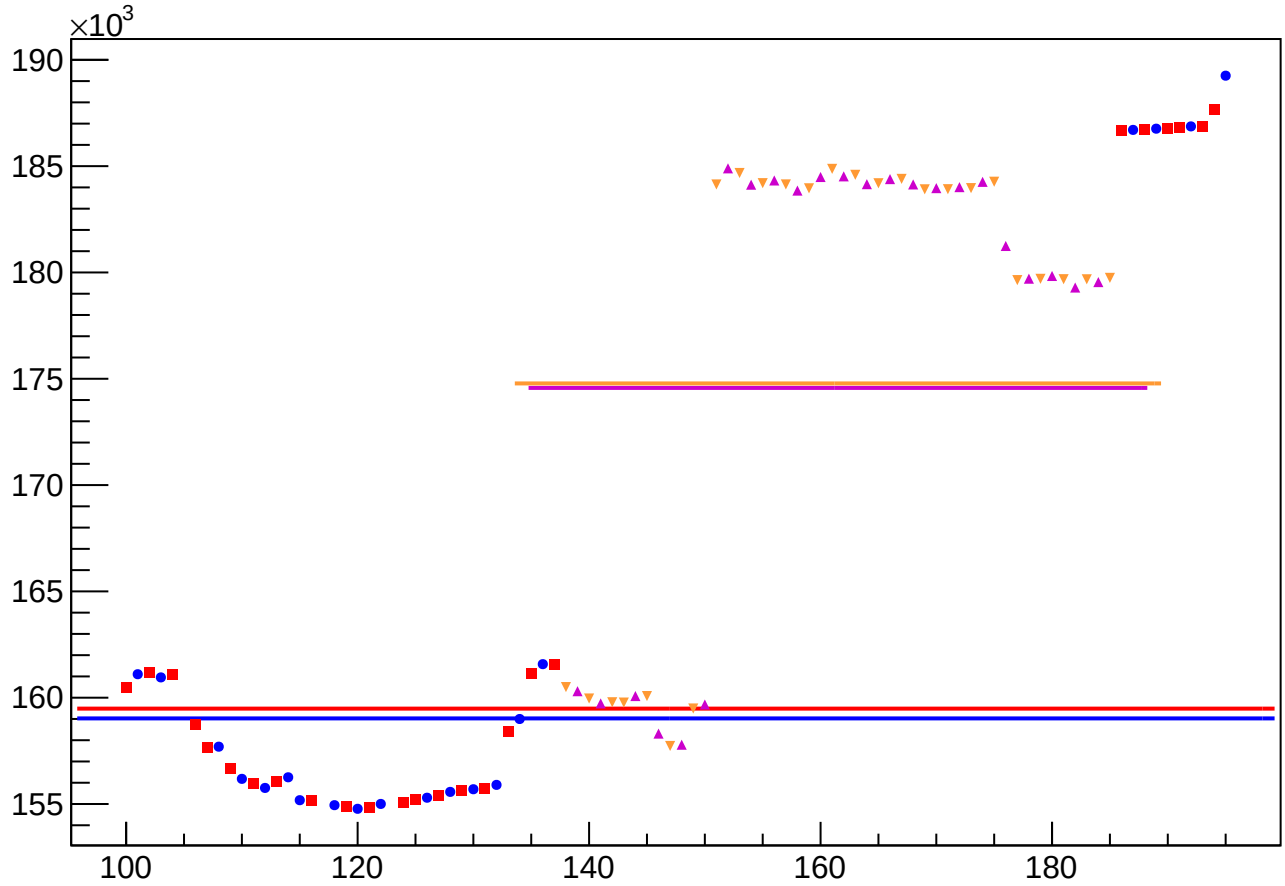
Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 177.744+/-0.025 χ^2/NDF: 4936368.6/44

All: 176.112+/-0.017 χ^2/NDF: 10910849.2/92

- sign 174.527+/-0.024 χ^2/NDF: 5965788.4/47



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: 159486.134+/-0.050 χ^2/NDF: 33827259218.9/24

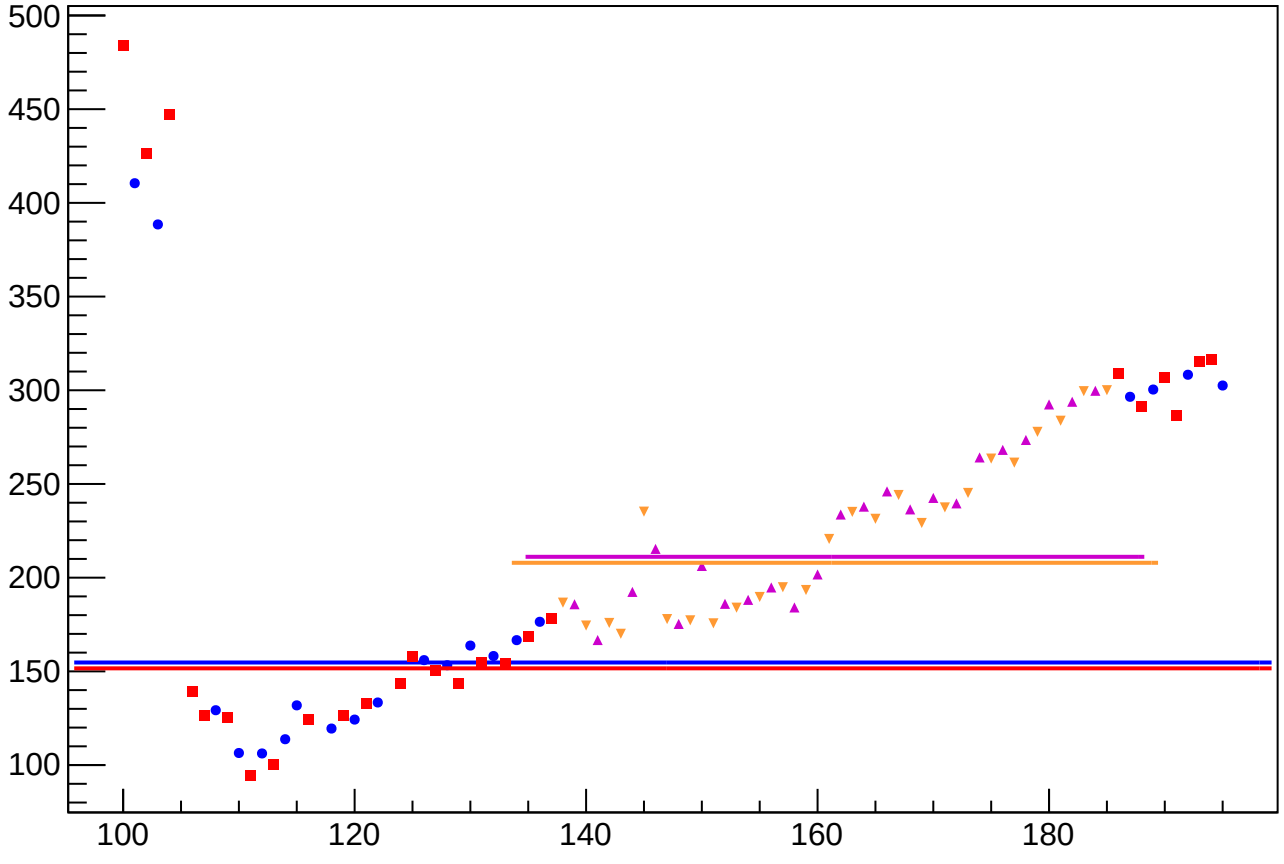
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167856.958+/-0.036 χ^2/NDF: 131000037555

All: 167443.889+/-0.025 χ^2/NDF: 26466453

- sign 167041.449+/-0.036 χ^2/NDF: 133405888637

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: 151.609+/-0.036 χ^2/NDF: 3622326.7/24

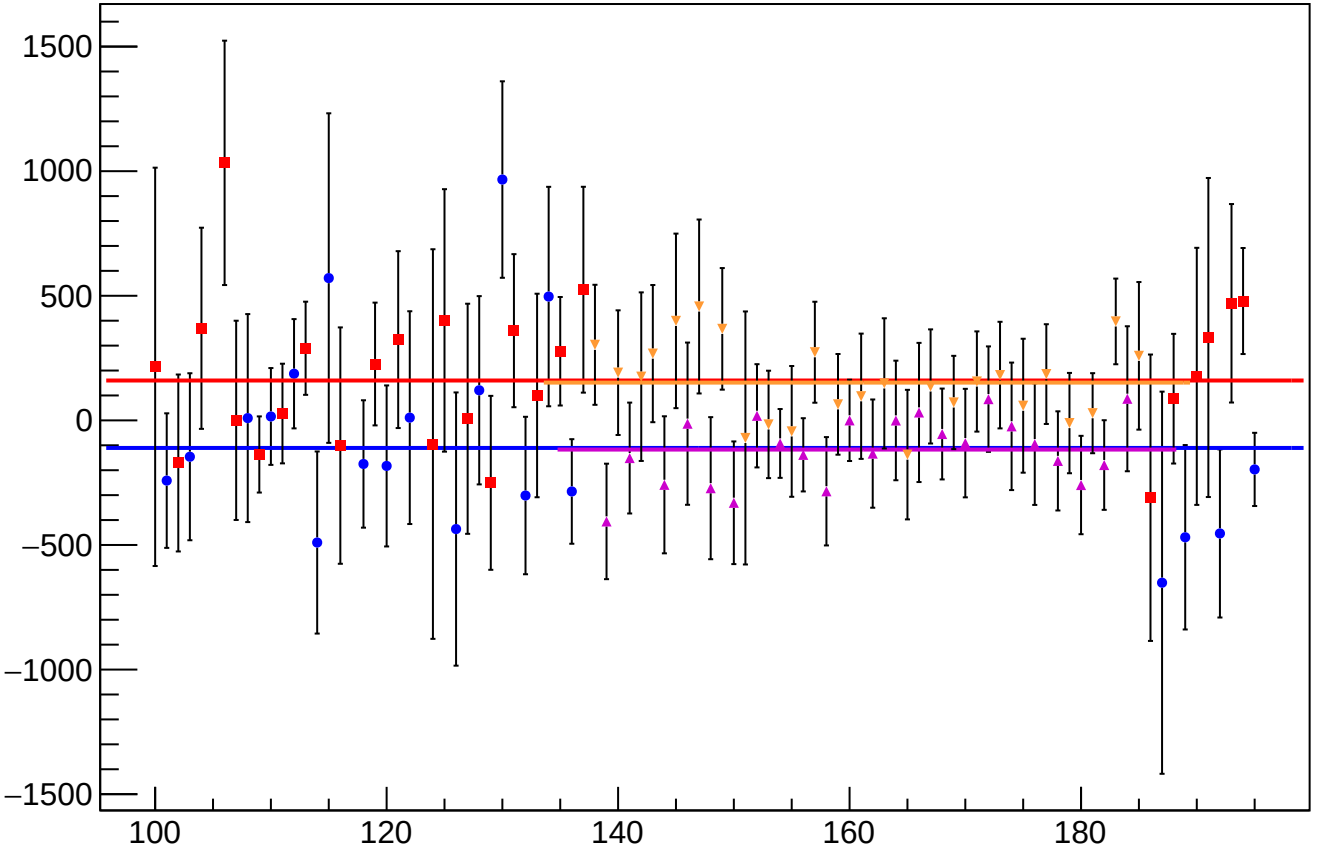
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 184.557+/-0.026 χ^2/NDF: 4929005.1/44

All: 182.970+/-0.018 χ^2/NDF: 10948636.4/92

- sign 181.424+/-0.025 χ^2/NDF: 6011999.6/47

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: 160.008+/-61.375 χ^2/NDF: 16.8/24

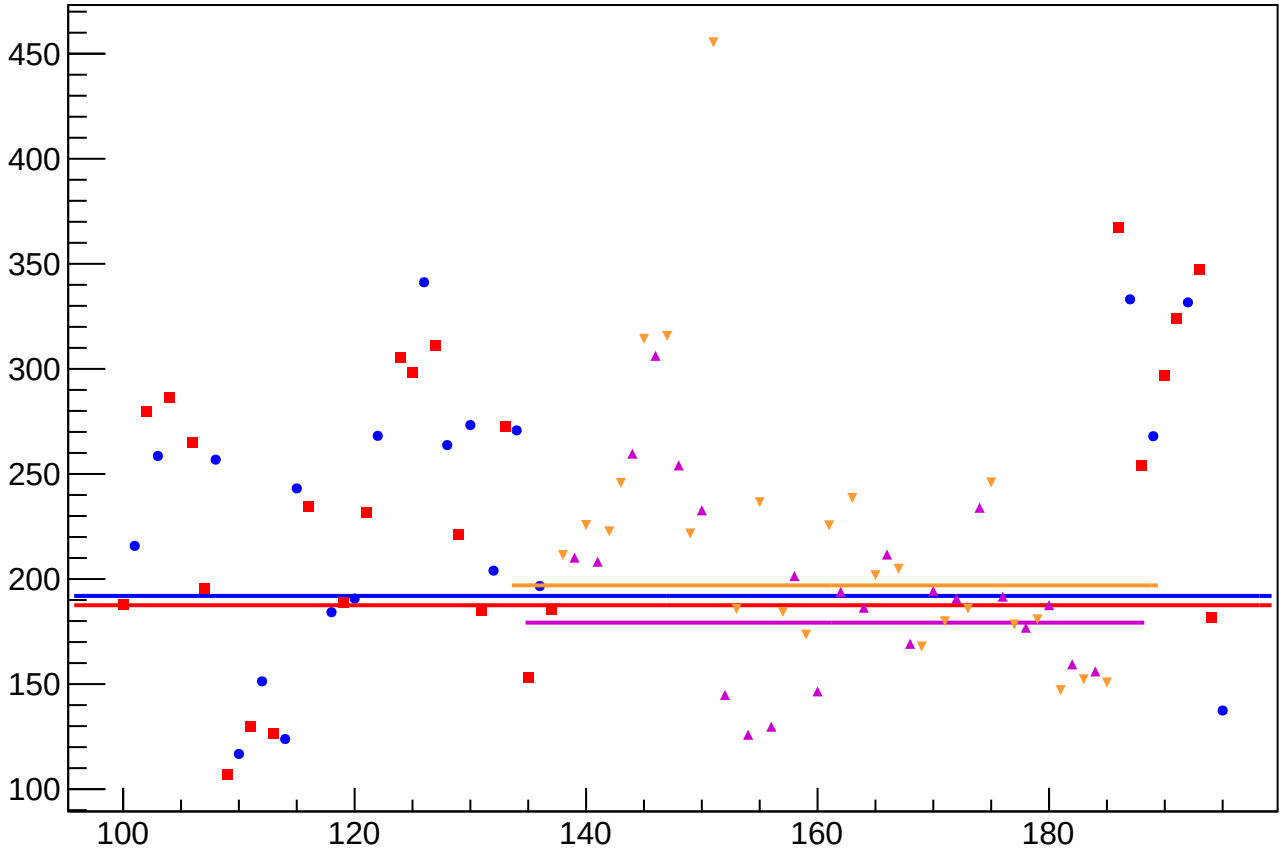
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 63.548+/-37.831 χ^2/NDF: 39.2/44

All: 17.326+/-25.942 χ^2/NDF: 79.8/92

- sign -23.697+/-35.640 χ^2/NDF: 37.7/47

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: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

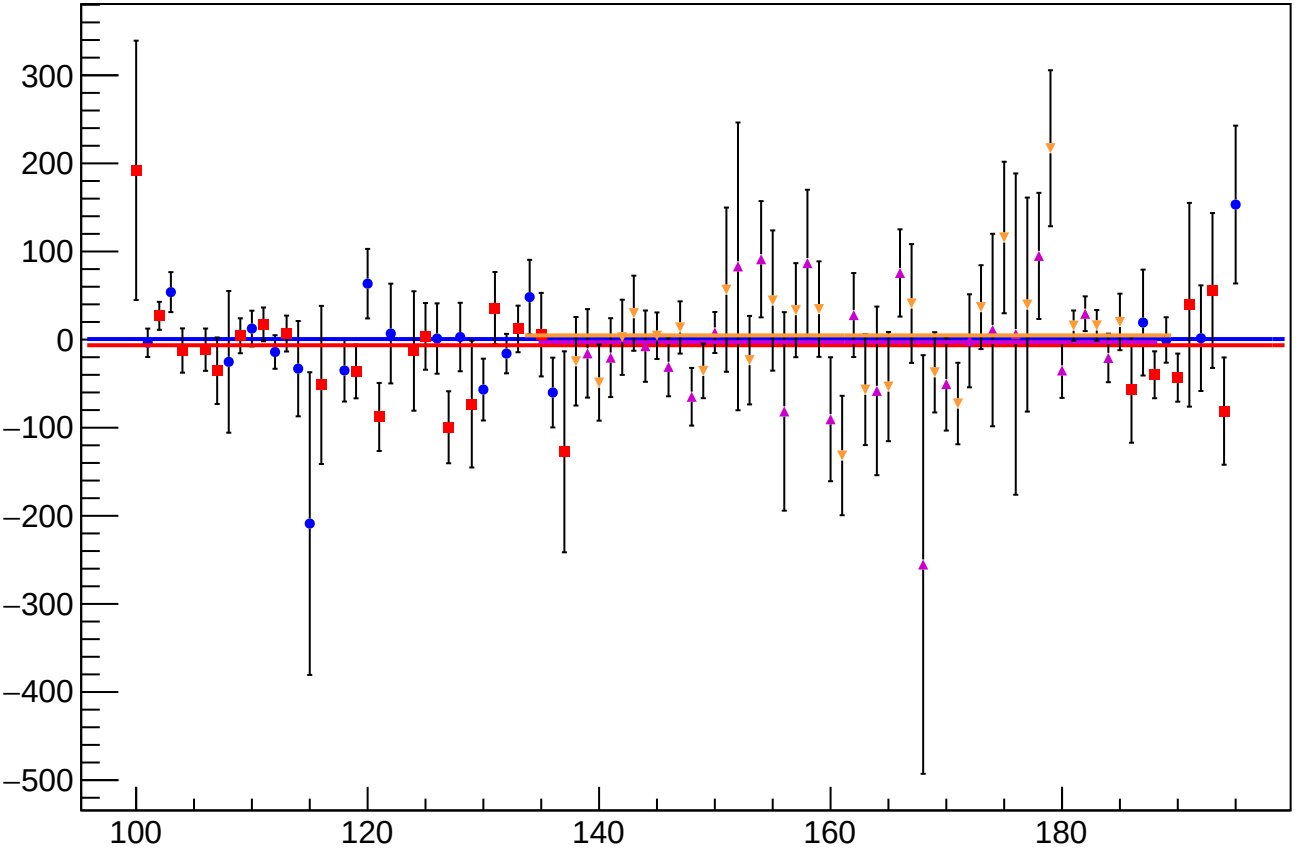
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 195.291+/-0.027 χ^2/NDF: 3619964.7/44

All: 188.272+/-0.018 χ^2/NDF: 7986465.3/92

- sign 182.043+/-0.025 χ^2/NDF: 4236549.0/47

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: -6.394+/-6.282 χ^2/NDF: 30.0/24

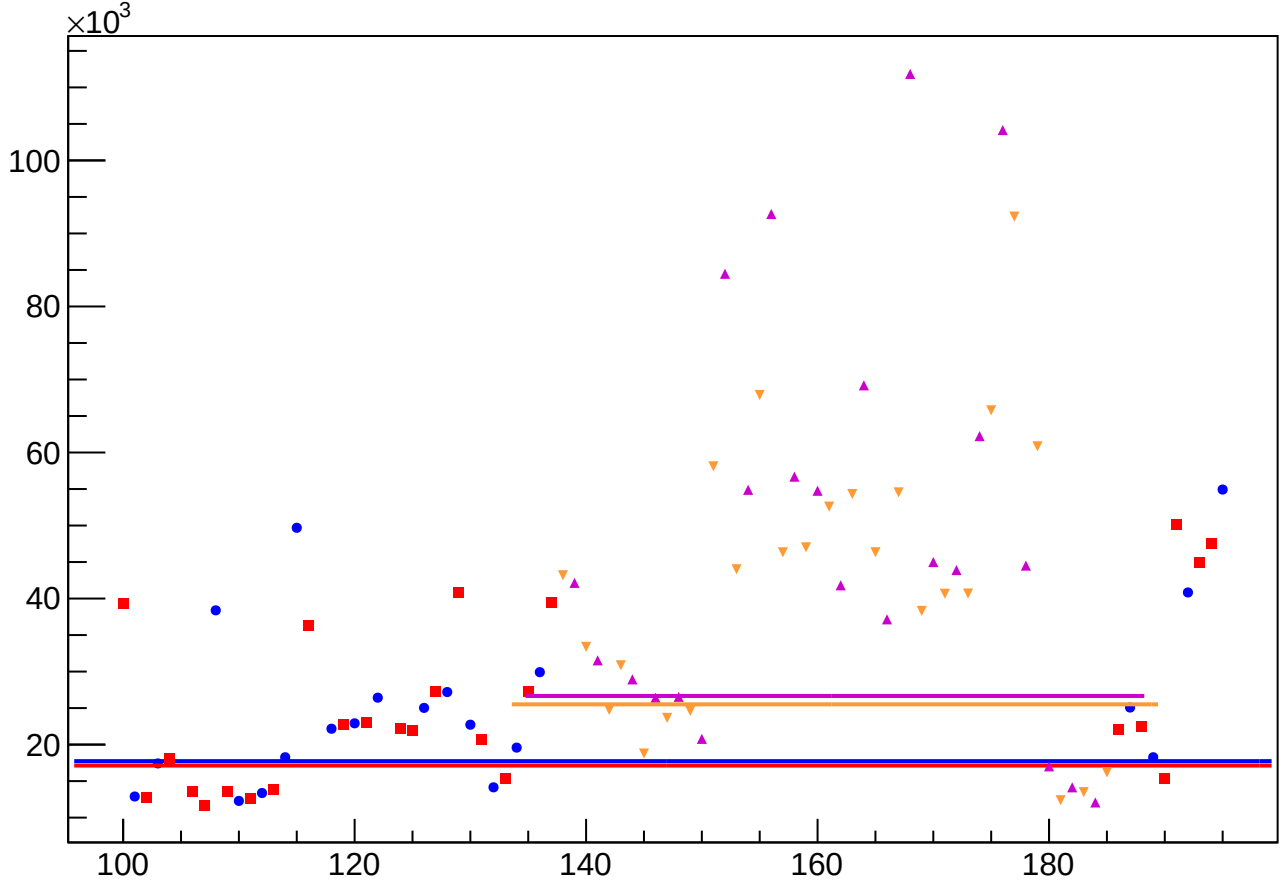
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.518+/-5.126 χ^2/NDF: 46.4/44

All: -1.359+/-3.623 χ^2/NDF: 99.1/92

- sign -5.228+/-5.121 χ^2/NDF: 51.6/47

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: 17129.470+/-4.442 χ^2/NDF: 2253805.7/24

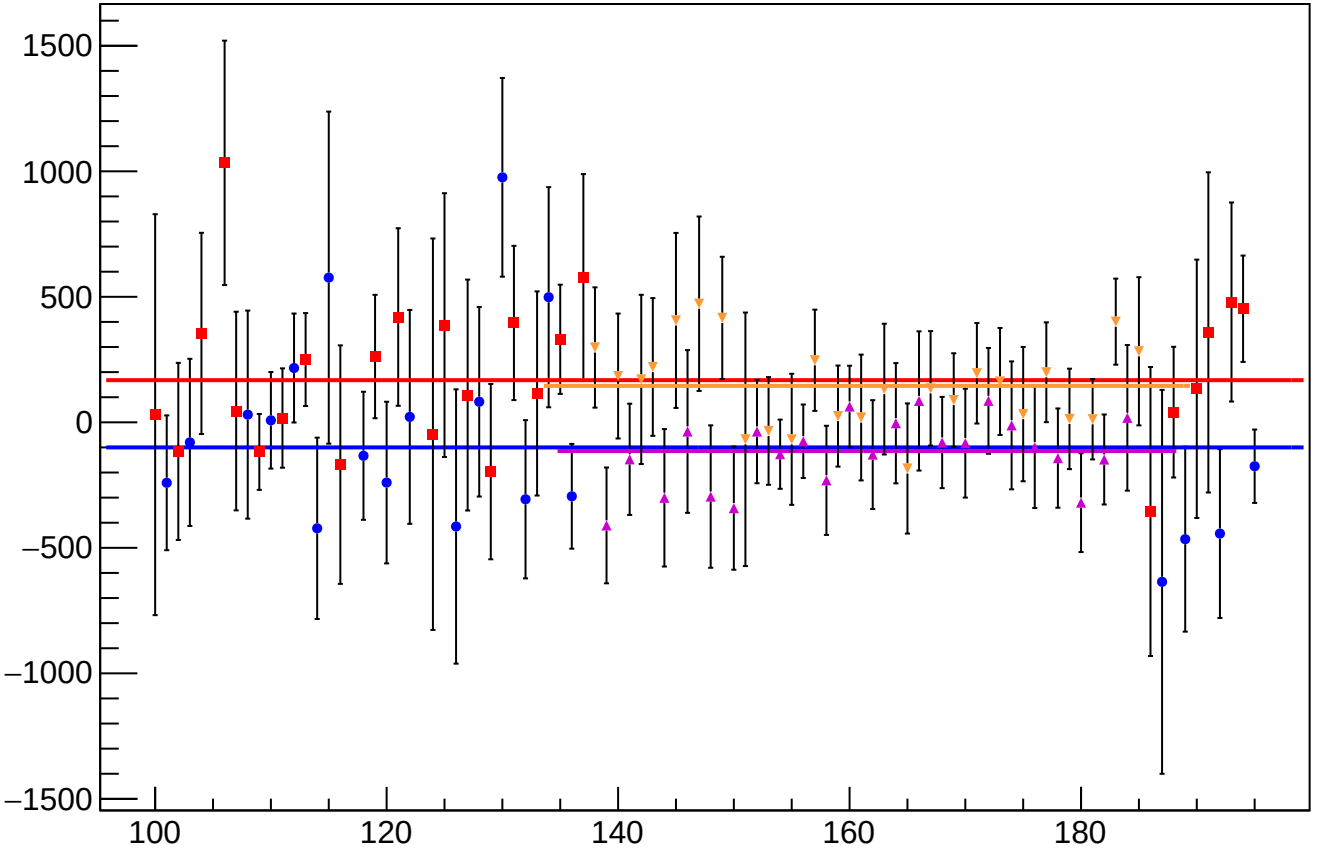
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21272.783+/-3.625 χ^2/NDF: 10771412.5/44

All: 20799.687+/-2.562 χ^2/NDF: 20487281.6

- sign 20327.620+/-3.621 χ^2/NDF: 9681838.6/47

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: 167.935+/-61.038 χ^2/NDF: 16.7/24

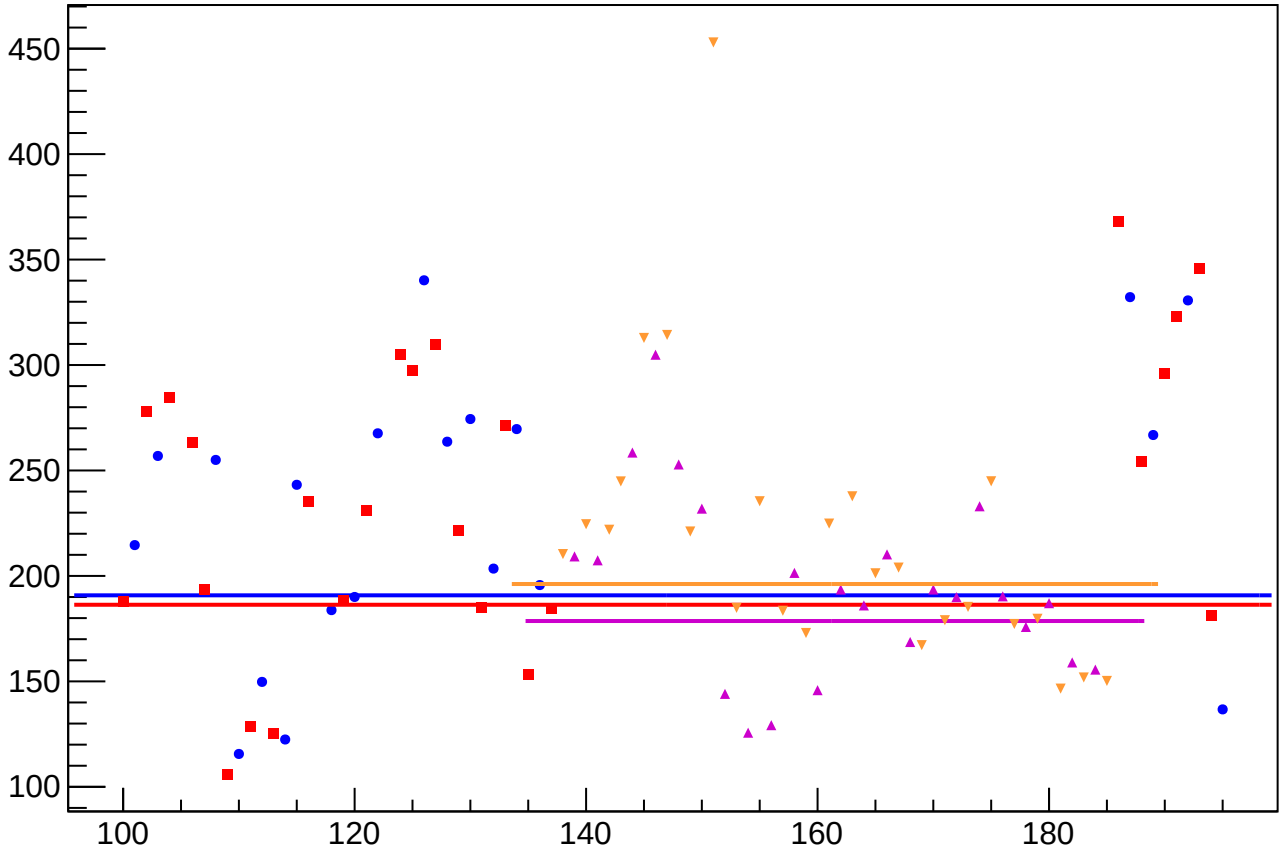
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 62.732+/-37.658 χ^2/NDF: 39.5/44

All: 19.468+/-25.827 χ^2/NDF: 81.3/92

- sign -18.957+/-35.489 χ^2/NDF: 39.3/47

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: 186.329+/-0.043 χ^2/NDF: 2591783.7/24

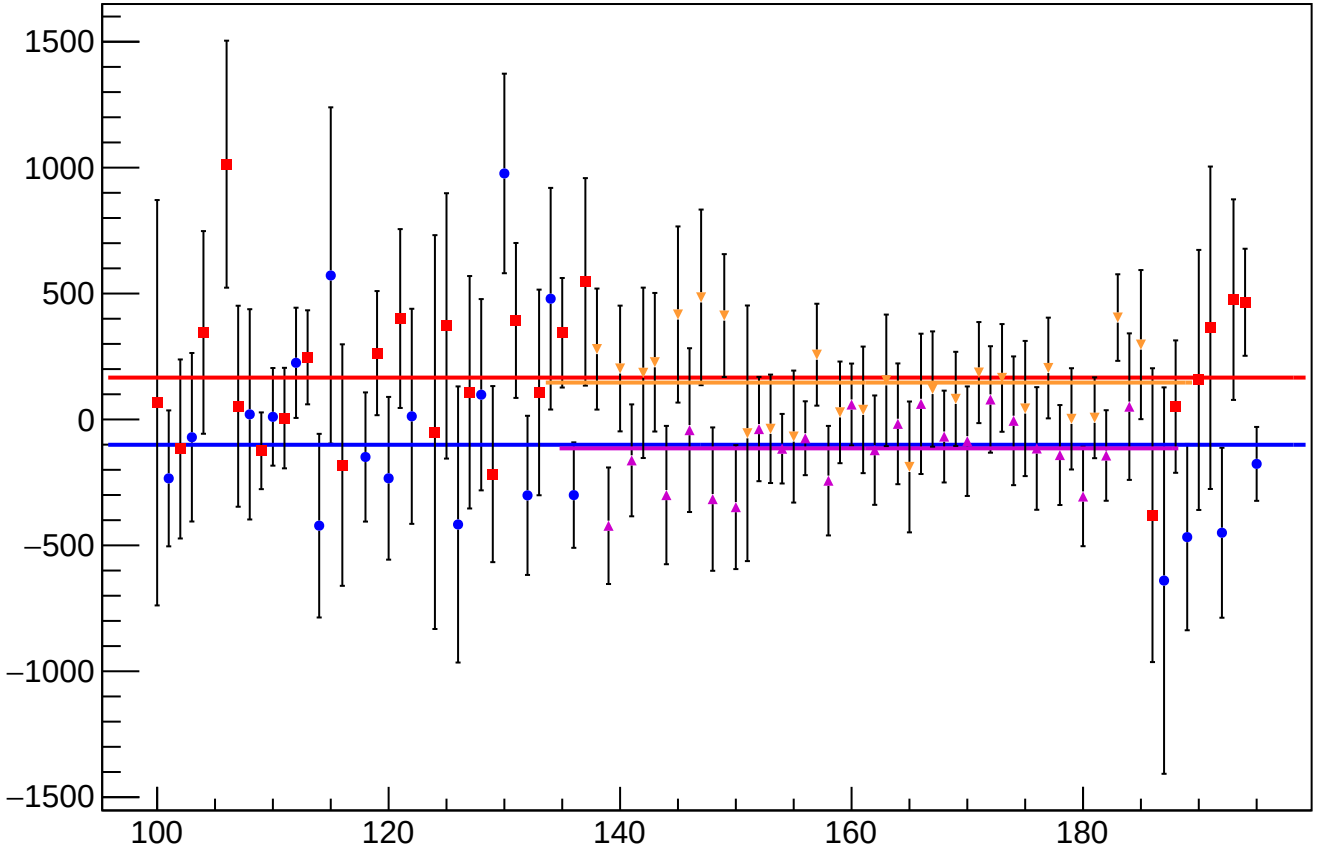
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 194.362+/-0.027 χ^2/NDF: 3641849.1/44

All: 187.405+/-0.018 χ^2/NDF: 8035499.8/92

- sign 181.226+/-0.025 χ^2/NDF: 4264770.5/47

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: 166.239+/-61.382 χ^2/NDF: 16.8/24

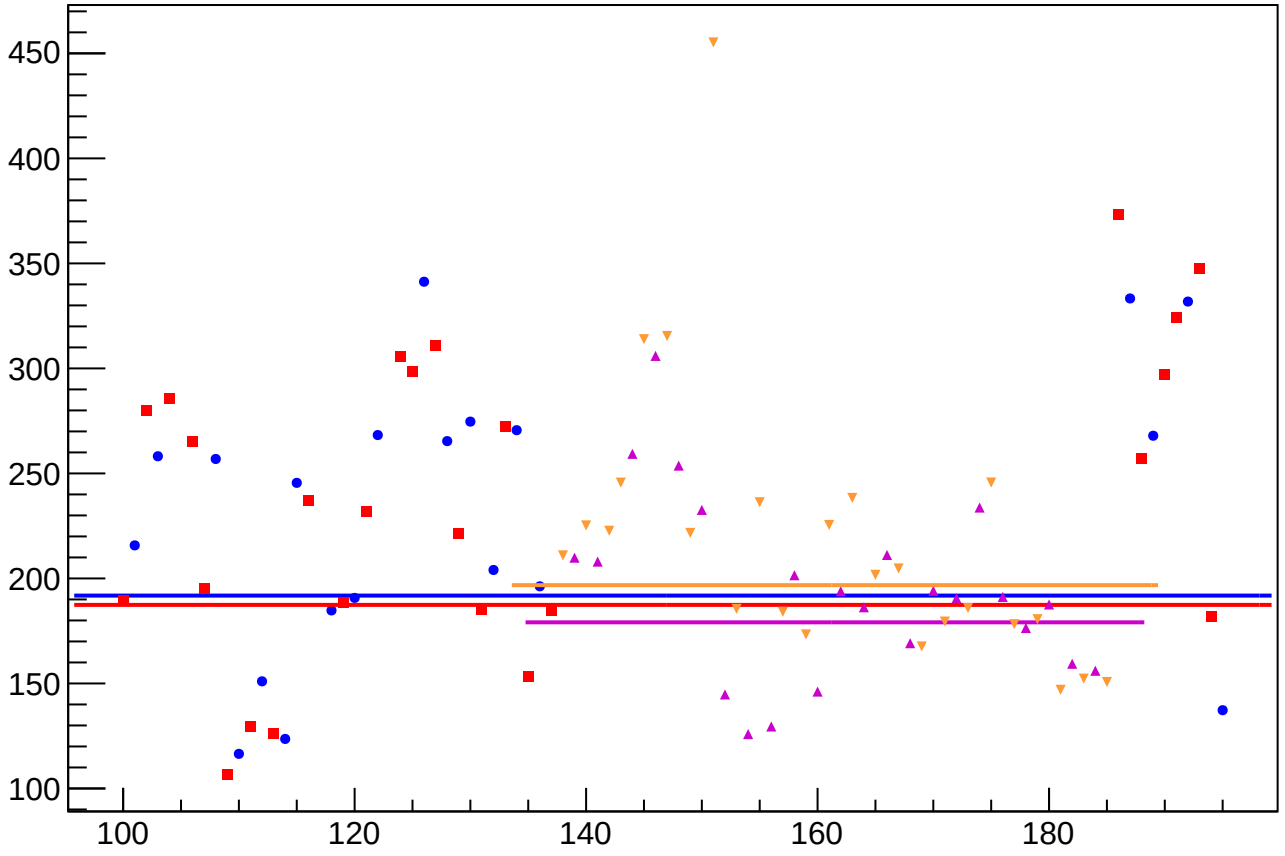
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 63.553+/-37.806 χ^2/NDF: 39.8/44

All: 19.210+/-25.926 χ^2/NDF: 81.4/92

- sign -20.158+/-35.622 χ^2/NDF: 39.1/47

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

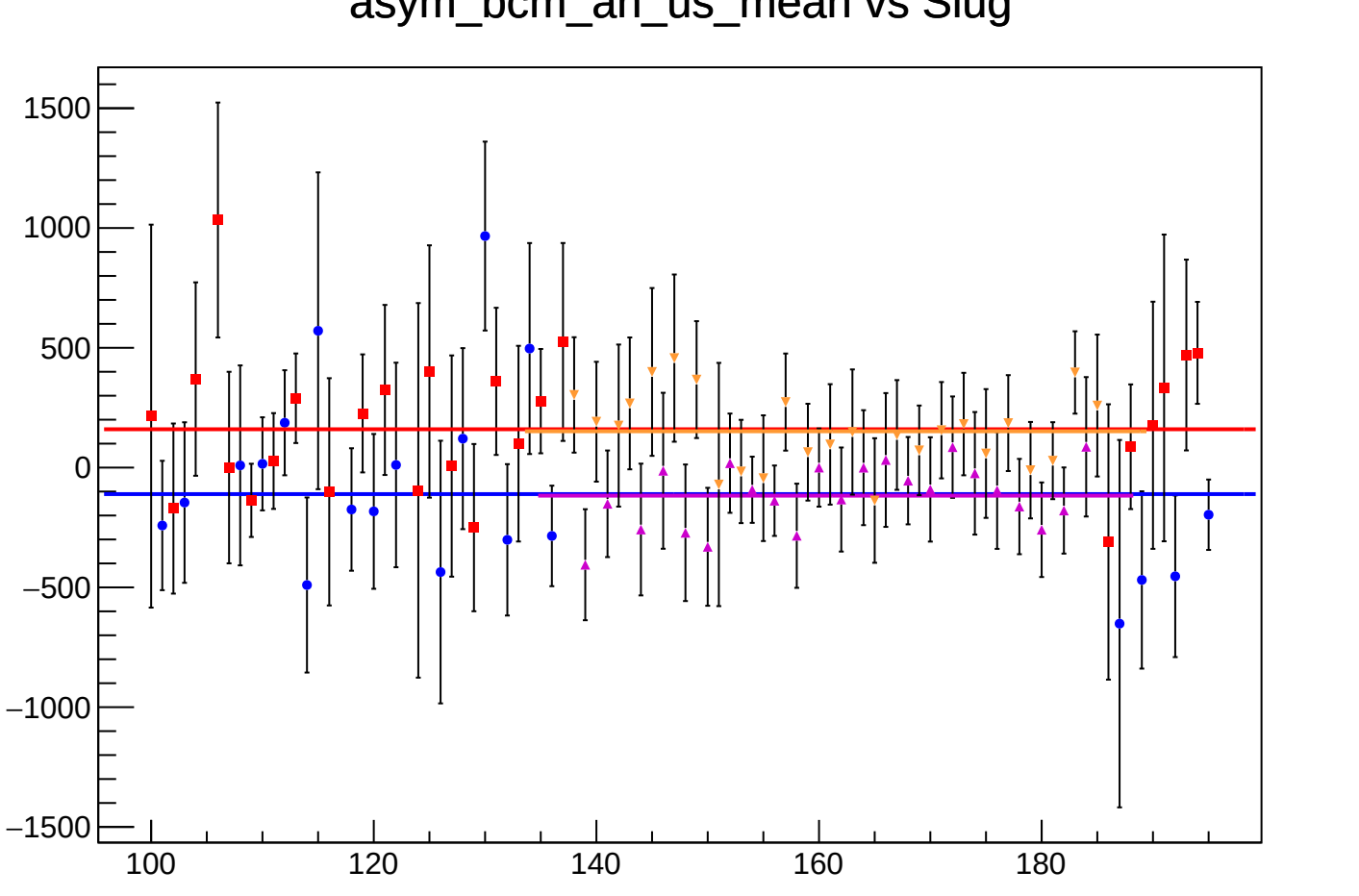
Right Out: 187.408+/-0.043 χ^2/NDF: 2584822.8/24

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 195.137+/-0.027 χ^2/NDF: 3631841.9/44

All: 188.124+/-0.018 χ^2/NDF: 8026737.5/92

- sign 181.899+/-0.025 χ^2/NDF: 4264985.7/47



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: 160.008+/-61.375 χ^2/NDF: 16.8/24

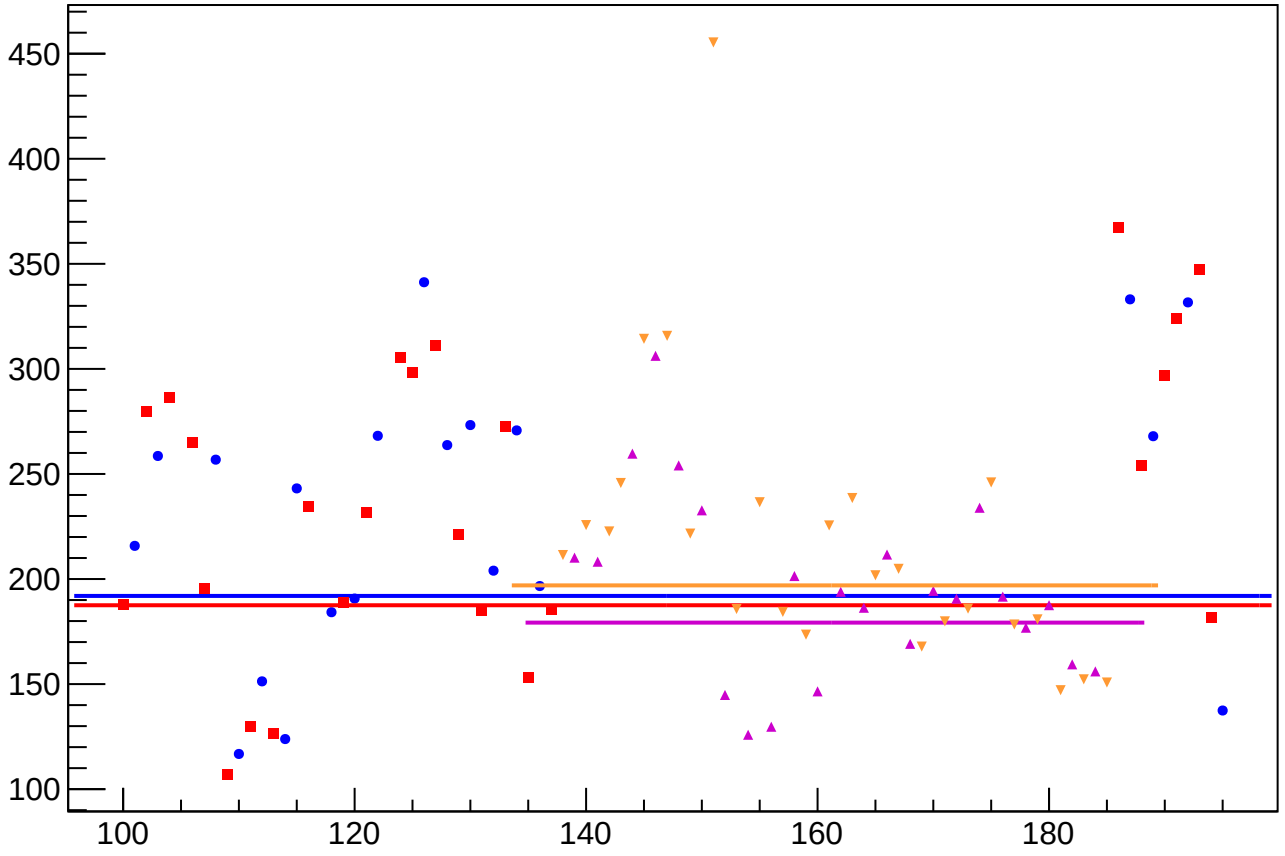
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 63.548+/-37.831 χ^2/NDF: 39.2/44

All: 17.326+/-25.942 χ^2/NDF: 79.8/92

- sign -23.697+/-35.640 χ^2/NDF: 37.7/47

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: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

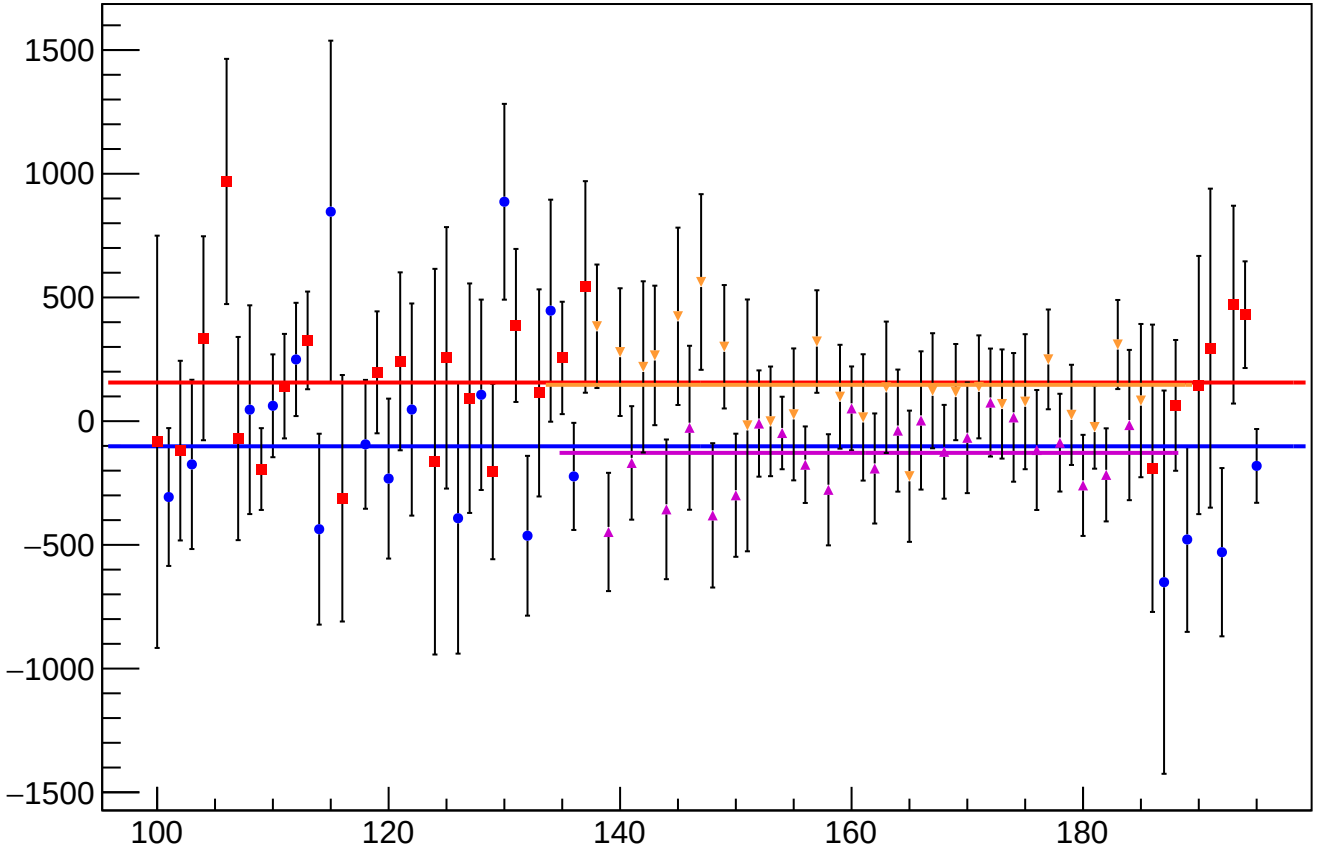
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 195.291+/-0.027 χ^2/NDF: 3619964.7/44

All: 188.272+/-0.018 χ^2/NDF: 7986465.3/92

- sign 182.043+/-0.025 χ^2/NDF: 4236549.0/47

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: 156.141+/-63.528 χ^2/NDF: 15.6/24

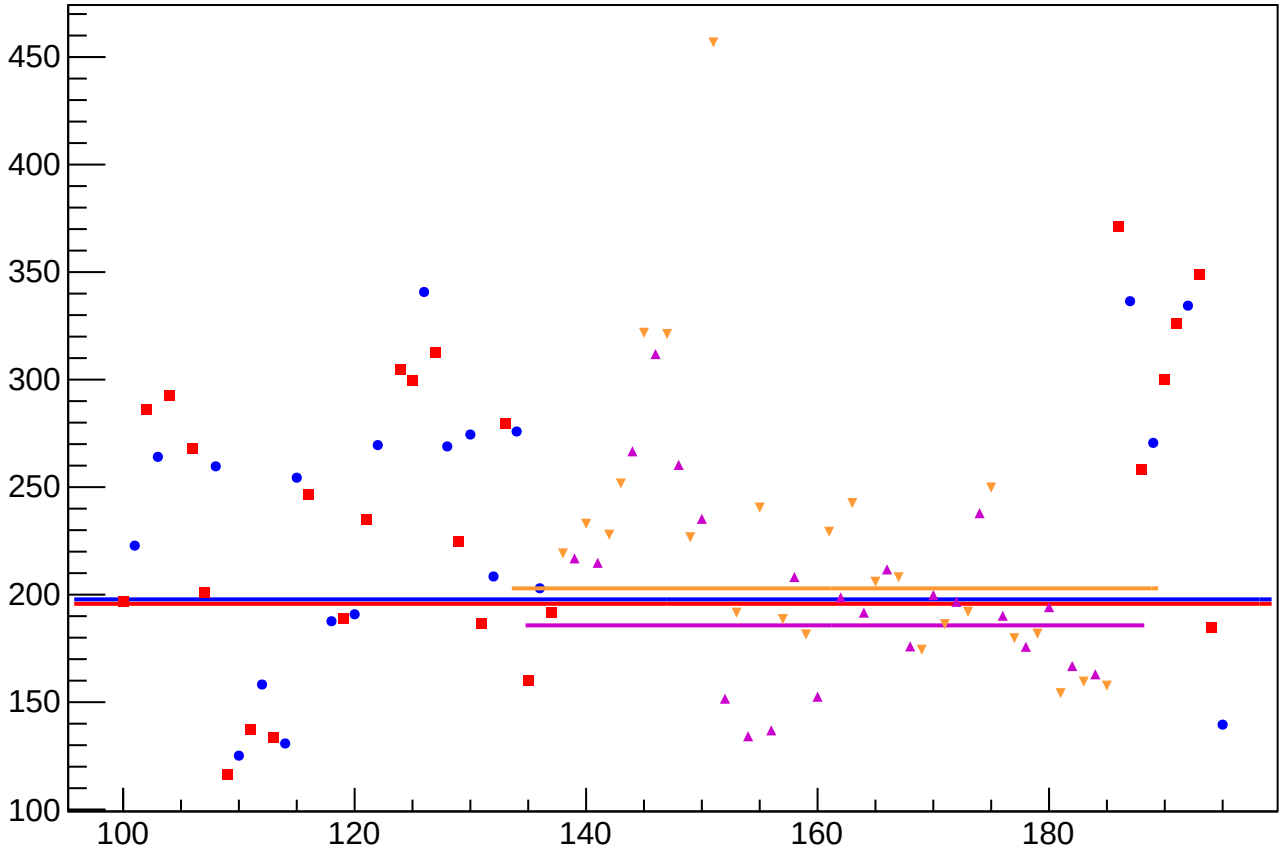
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 63.350+/-38.865 χ^2/NDF: 39.2/44

All: 12.792+/-26.733 χ^2/NDF: 79.9/92

- sign -32.608+/-36.829 χ^2/NDF: 37.5/47

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: 195.750+/-0.045 χ^2/NDF: 2278186.0/24

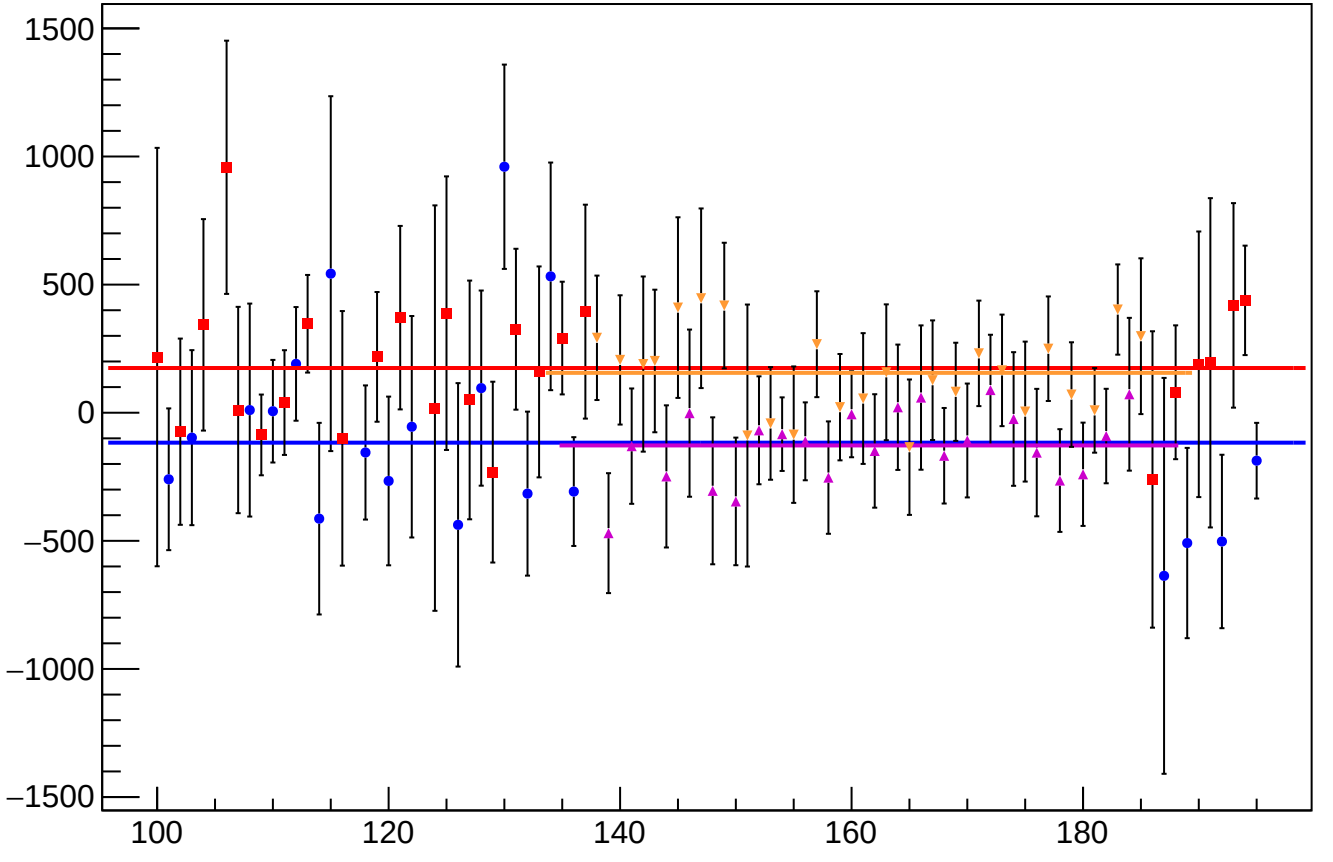
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 201.202+/-0.027 χ^2/NDF: 3391830.2/44

All: 194.819+/-0.019 χ^2/NDF: 7294996.0/92

- sign 189.088+/-0.026 χ^2/NDF: 3800797.0/47

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: 174.504+/-62.421 χ^2/NDF: 12.9/24

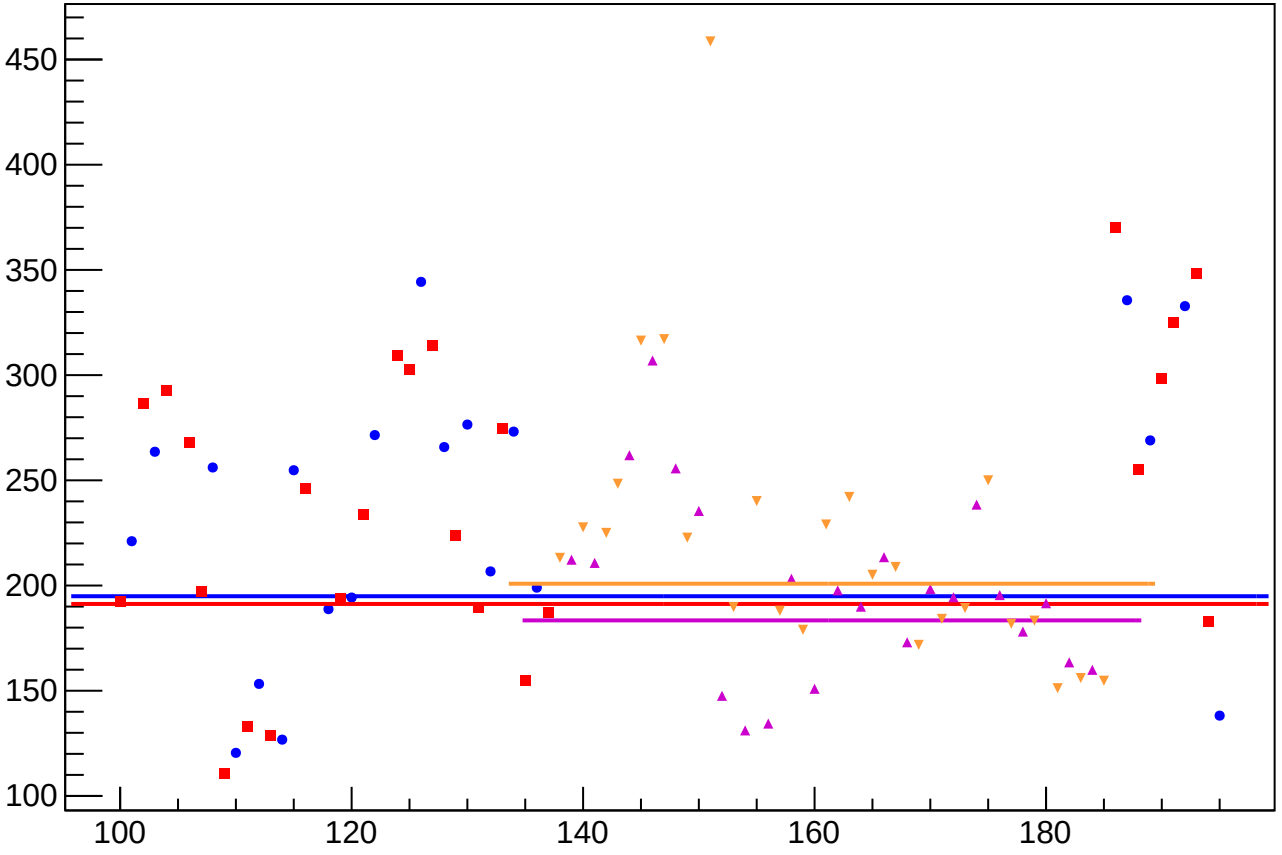
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 63.658+/-38.468 χ^2/NDF: 40.7/44

All: 16.685+/-26.417 χ^2/NDF: 79.9/92

- sign -25.239+/-36.341 χ^2/NDF: 36.4/47

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: 191.243+/-0.044 χ^2/NDF: 2478535.5/24

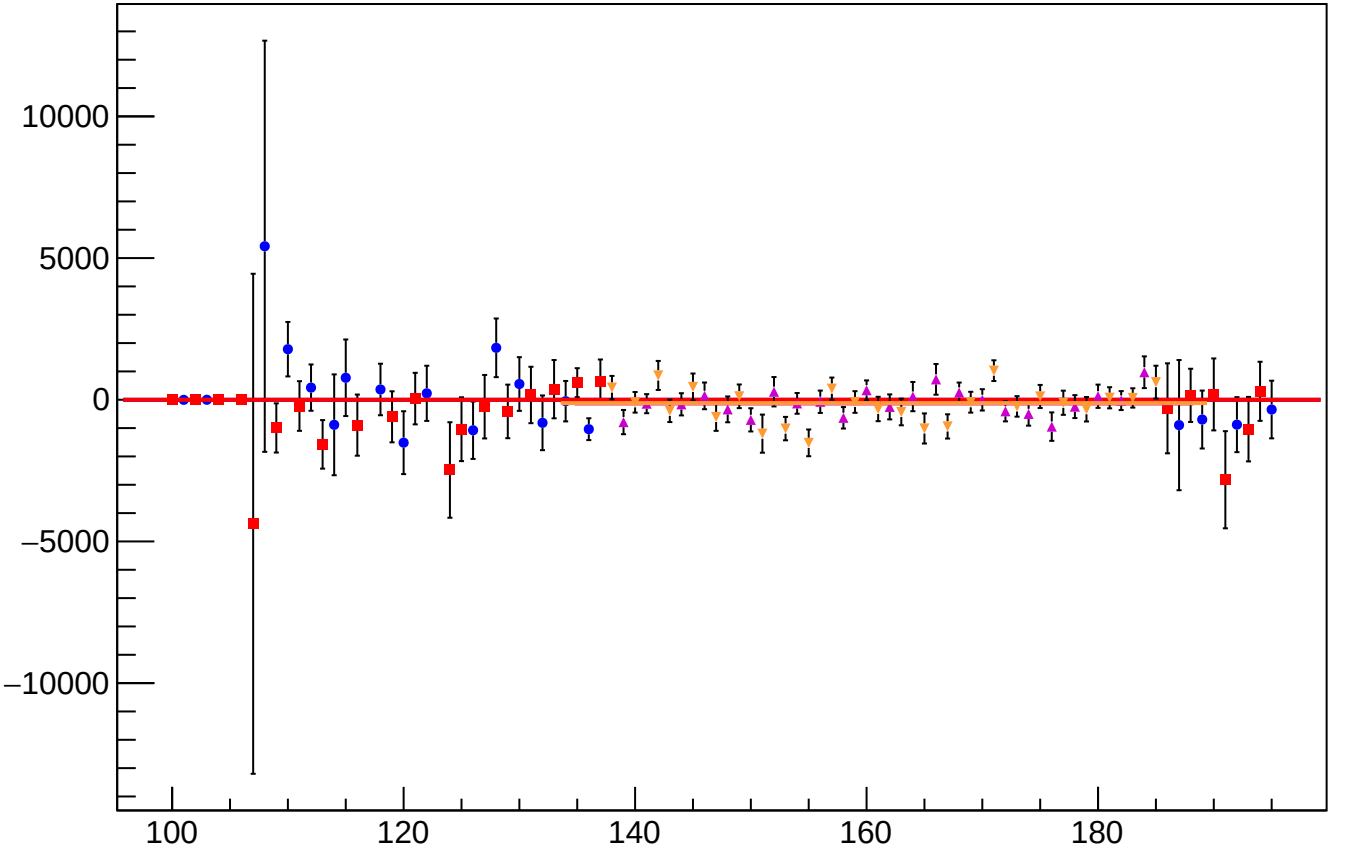
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 198.856+/-0.027 χ^2/NDF: 3510115.7/44

All: 192.105+/-0.019 χ^2/NDF: 7656583.5/92

- sign 186.081+/-0.026 χ^2/NDF: 4029912.1/47

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: -1.383+/-2.022 χ^2/NDF: 20.6/24

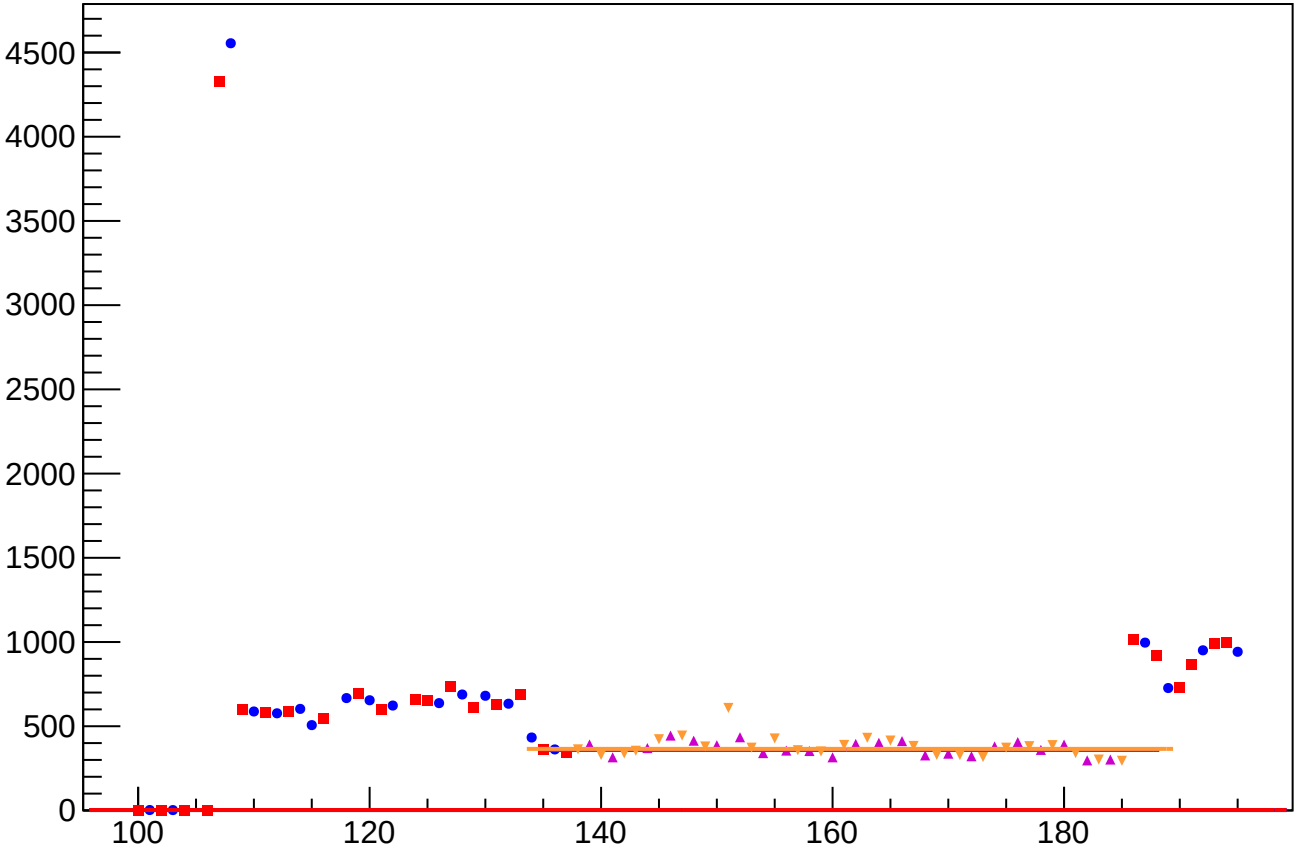
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.326+/-2.170 χ^2/NDF: 69.7/44

All: -1.395+/-1.479 χ^2/NDF: 114.2/92

- sign -1.455+/-2.022 χ^2/NDF: 44.5/47

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: 2.478+/-0.001 χ^2/NDF: 18743653.2/24

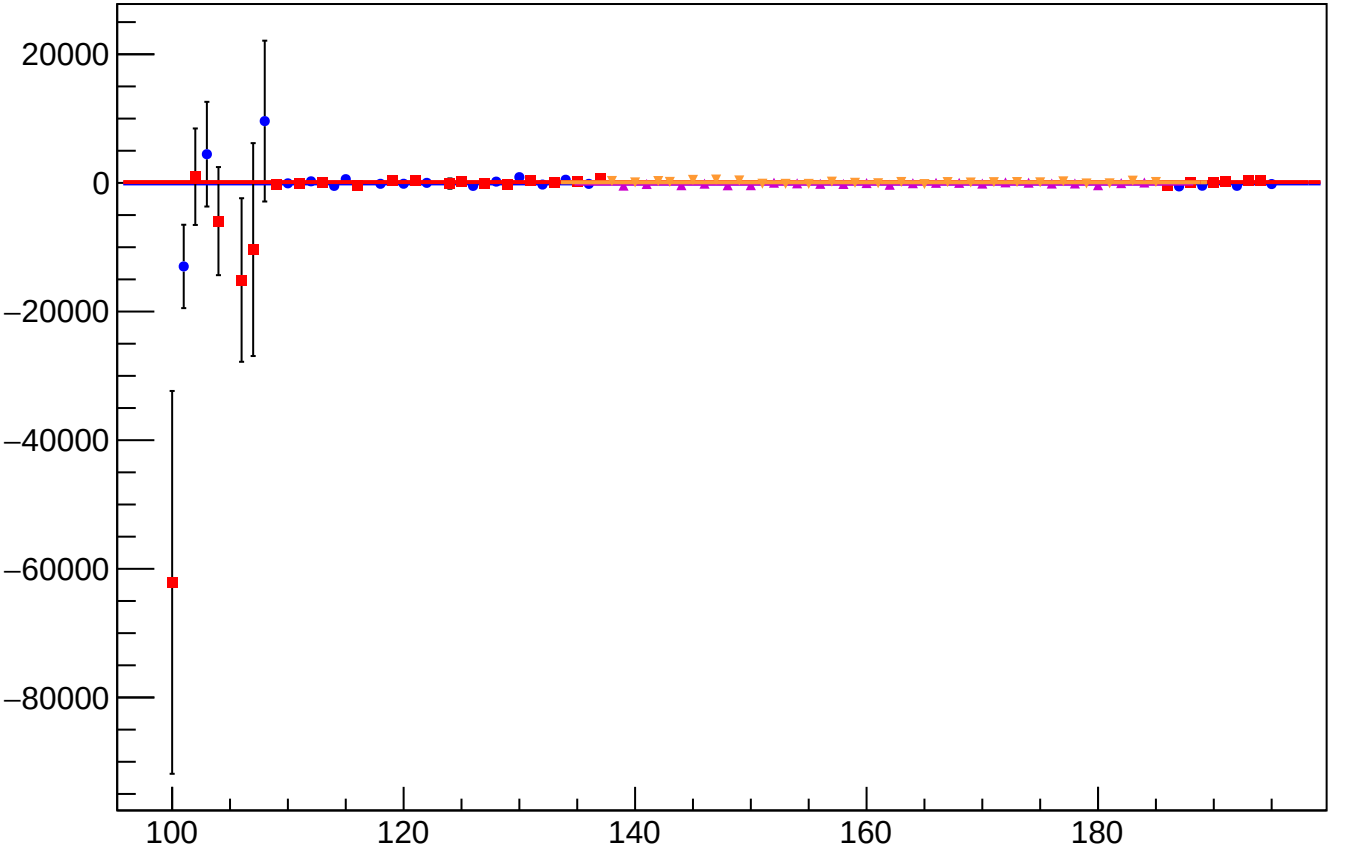
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.731+/-0.002 χ^2/NDF: 54451838.5/44

All: 2.703+/-0.001 χ^2/NDF: 108751099.2/92

- sign 2.679+/-0.001 χ^2/NDF: 54298653.0/47

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: 130.112+/-71.114 χ^2/NDF: 18.1/24

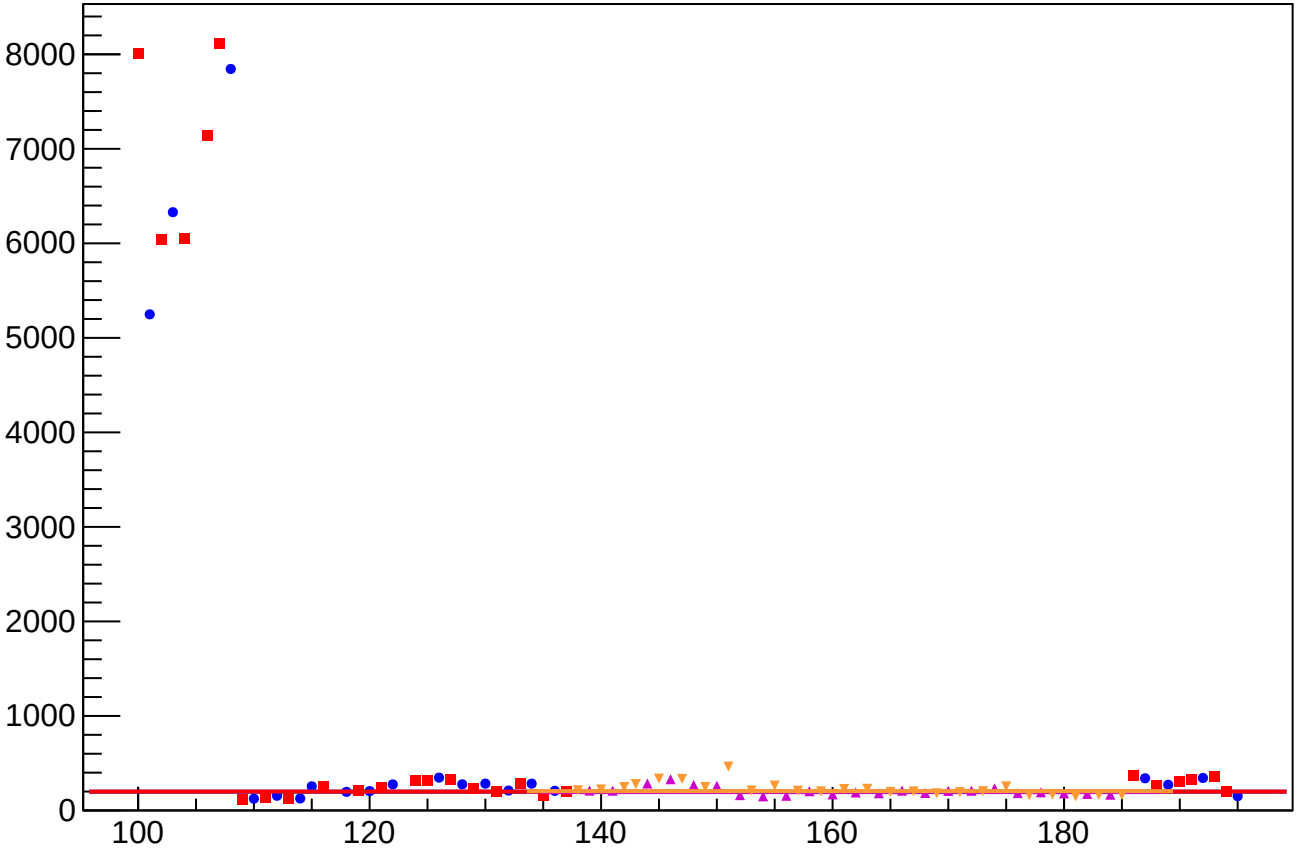
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 46.075+/-40.347 χ^2/NDF: 37.3/44

All: -0.074+/-28.110 χ^2/NDF: 75.8/92

- sign -43.604+/-39.185 χ^2/NDF: 35.9/47

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

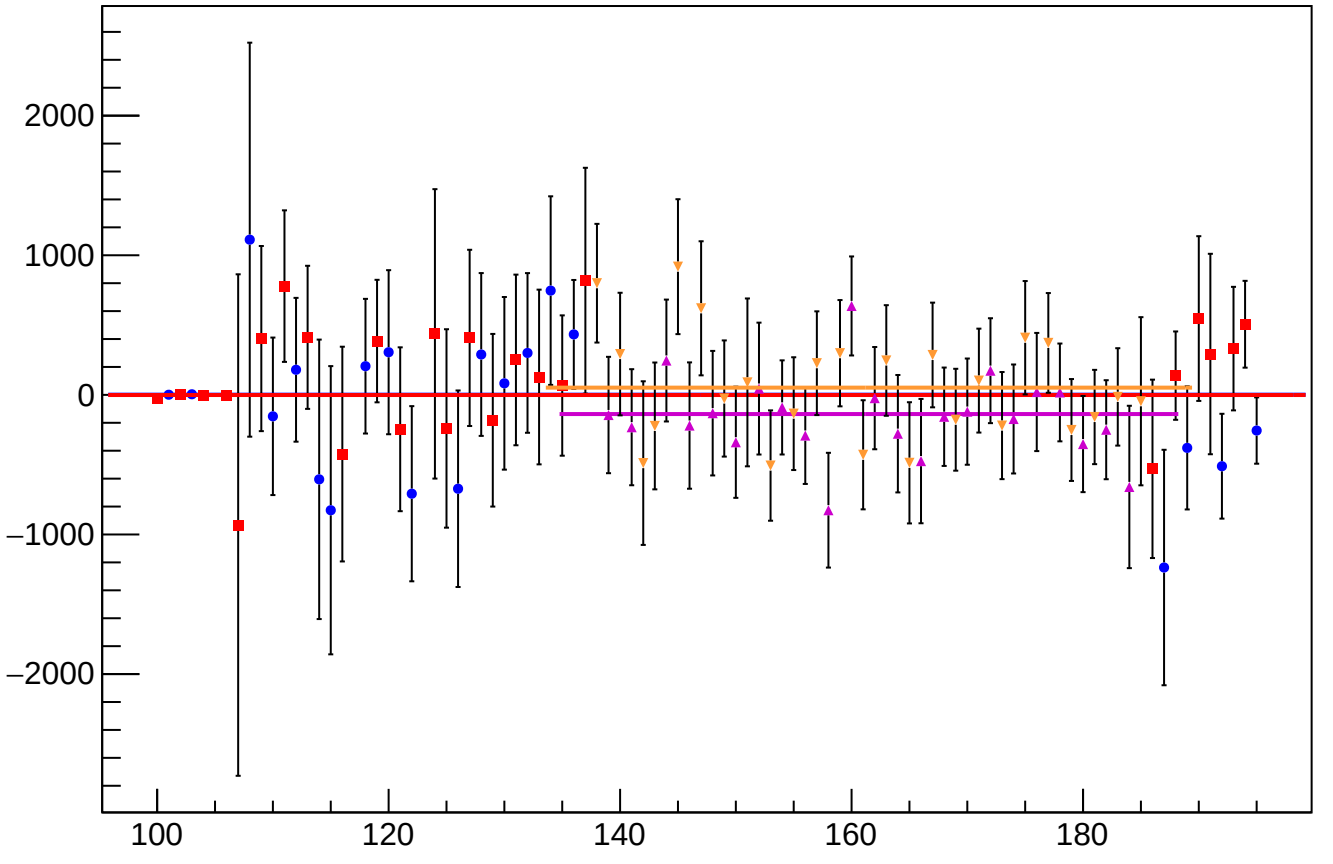
Right Out: 199.315+/-0.050 χ^2/NDF: 5283438.0/24

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 202.798+/-0.029 χ^2/NDF: 6599254.5/44

All: 199.064+/-0.020 χ^2/NDF: 13115672.0/92

- sign 195.541+/-0.028 χ^2/NDF: 6483117.0/47



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: -1.072+/-1.528 χ^2/NDF: 14.3/24

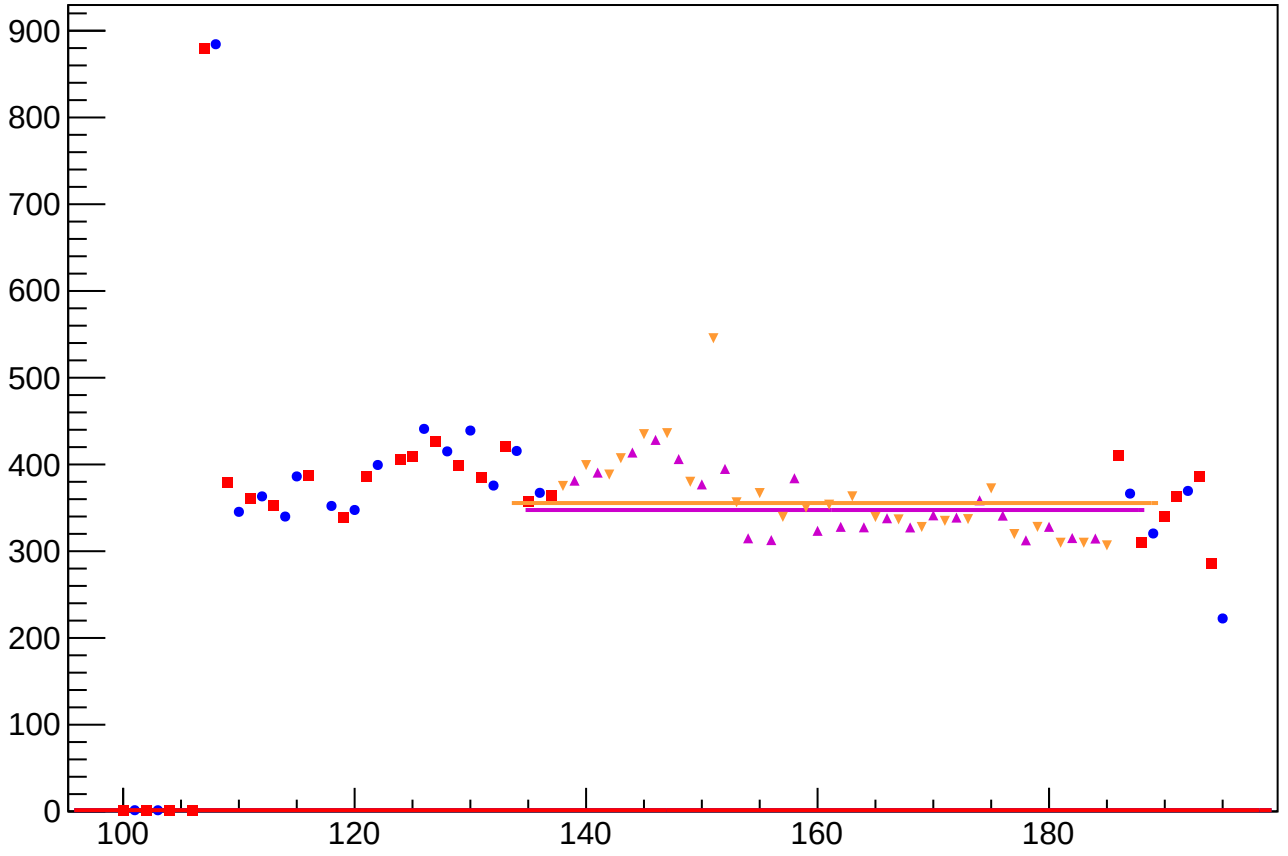
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.444+/-1.660 χ^2/NDF: 33.6/44

All: 0.056+/-1.124 χ^2/NDF: 64.1/92

- sign -1.119+/-1.527 χ^2/NDF: 29.2/47

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: 1.492+/-0.001 χ^2/NDF: 18341812.9/24

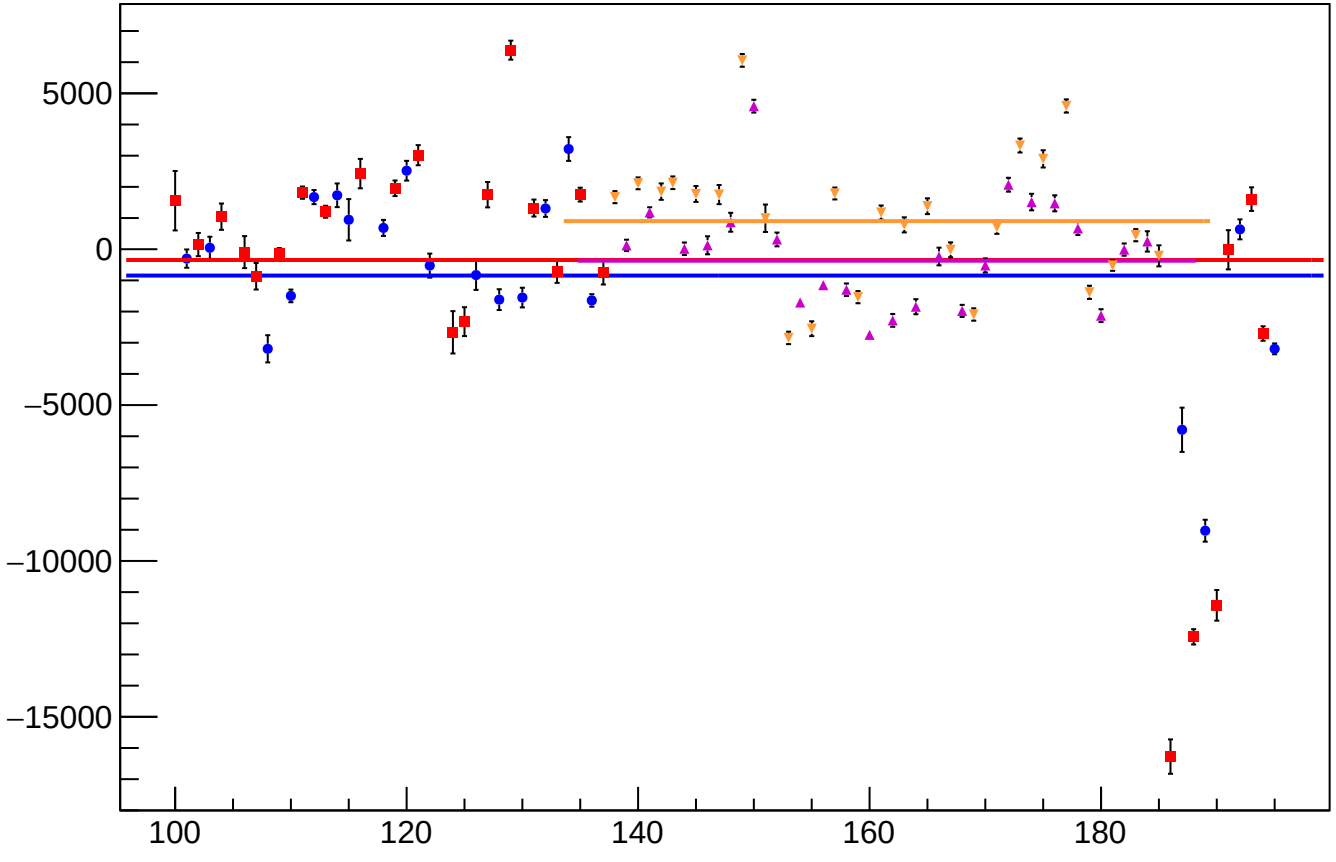
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.641+/-0.001 χ^2/NDF: 55013327.1/44

All: 1.625+/-0.001 χ^2/NDF: 109198481.2/92

- sign 1.612+/-0.001 χ^2/NDF: 54184823.9/47

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: -345.751+/-61.788 χ^2/NDF: 5008.1/24

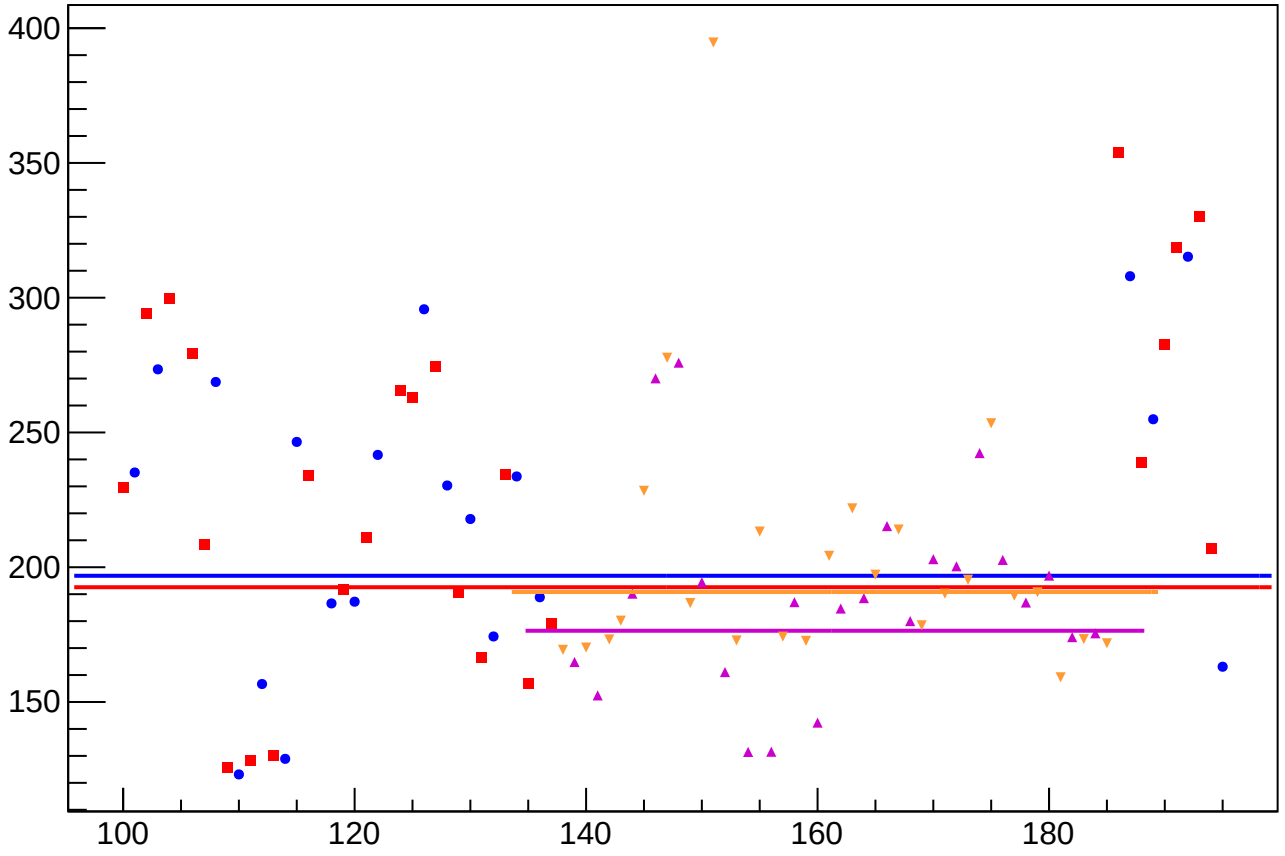
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 353.514+/-36.850 χ^2/NDF: 4267.7/44

All: -20.820+/-25.426 χ^2/NDF: 11065.8/92

- sign -360.979+/-35.128 χ^2/NDF: 6601.2/47

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: 192.582+/-0.044 χ^2/NDF: 1986757.5/24

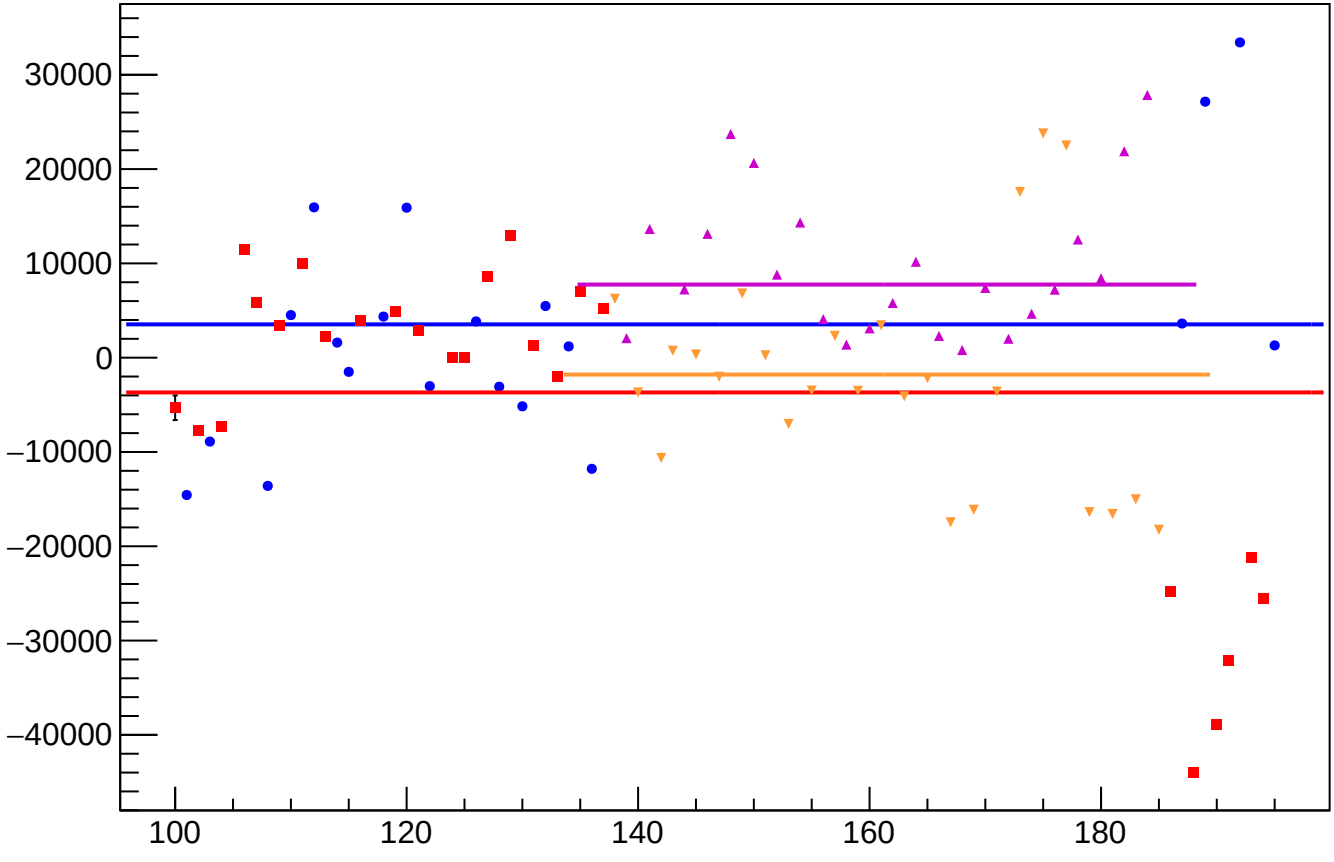
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 192.692+/-0.026 χ^2/NDF: 2247642.2/44

All: 186.907+/-0.018 χ^2/NDF: 5678591.4/92

- sign 181.651+/-0.025 χ^2/NDF: 3336896.3/47

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: -3684.732+/-45.640 χ^2/NDF: 128222.5/24

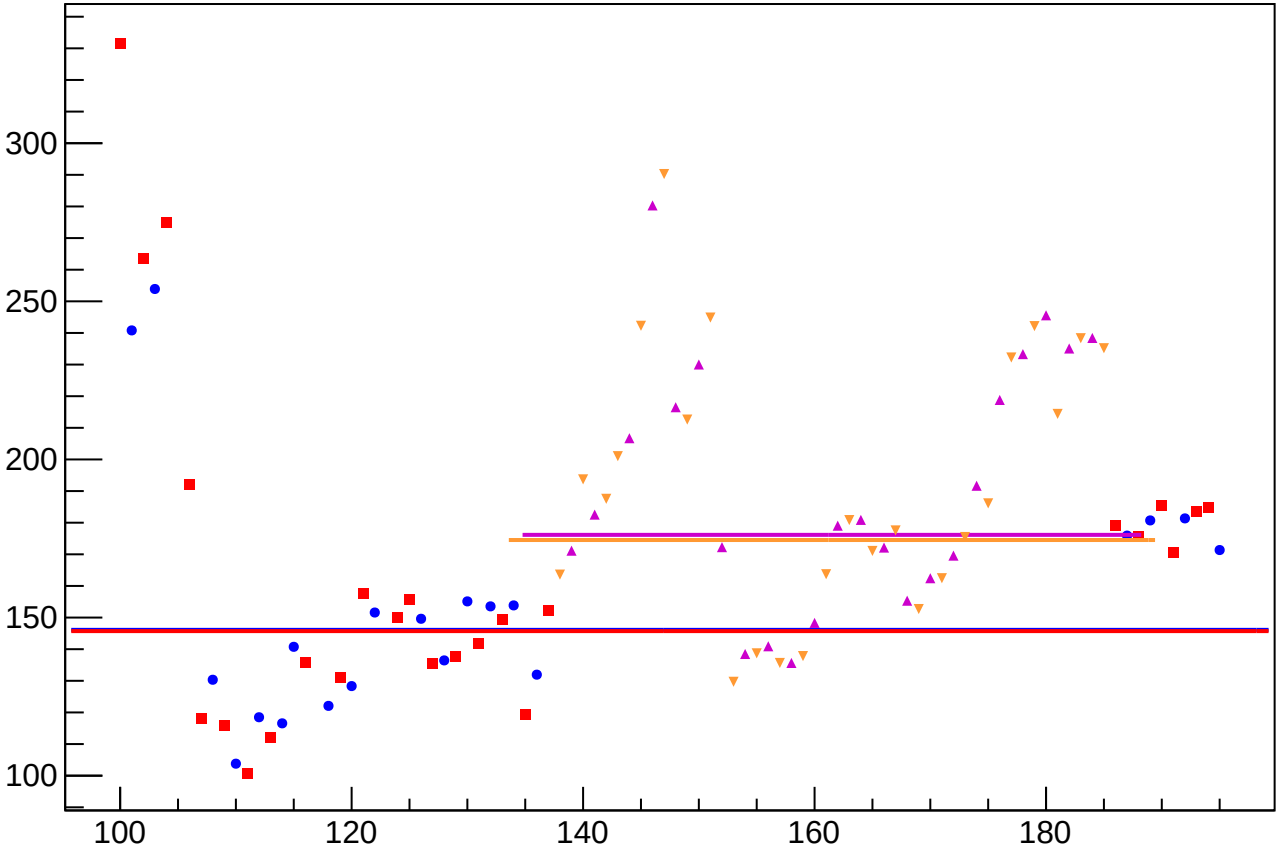
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 411.504+/-31.325 χ^2/NDF: 142959.2/44

All: 1428.189+/-22.081 χ^2/NDF: 330147.0/92

- sign 2432.297+/-31.131 χ^2/NDF: 185094.0/47

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: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

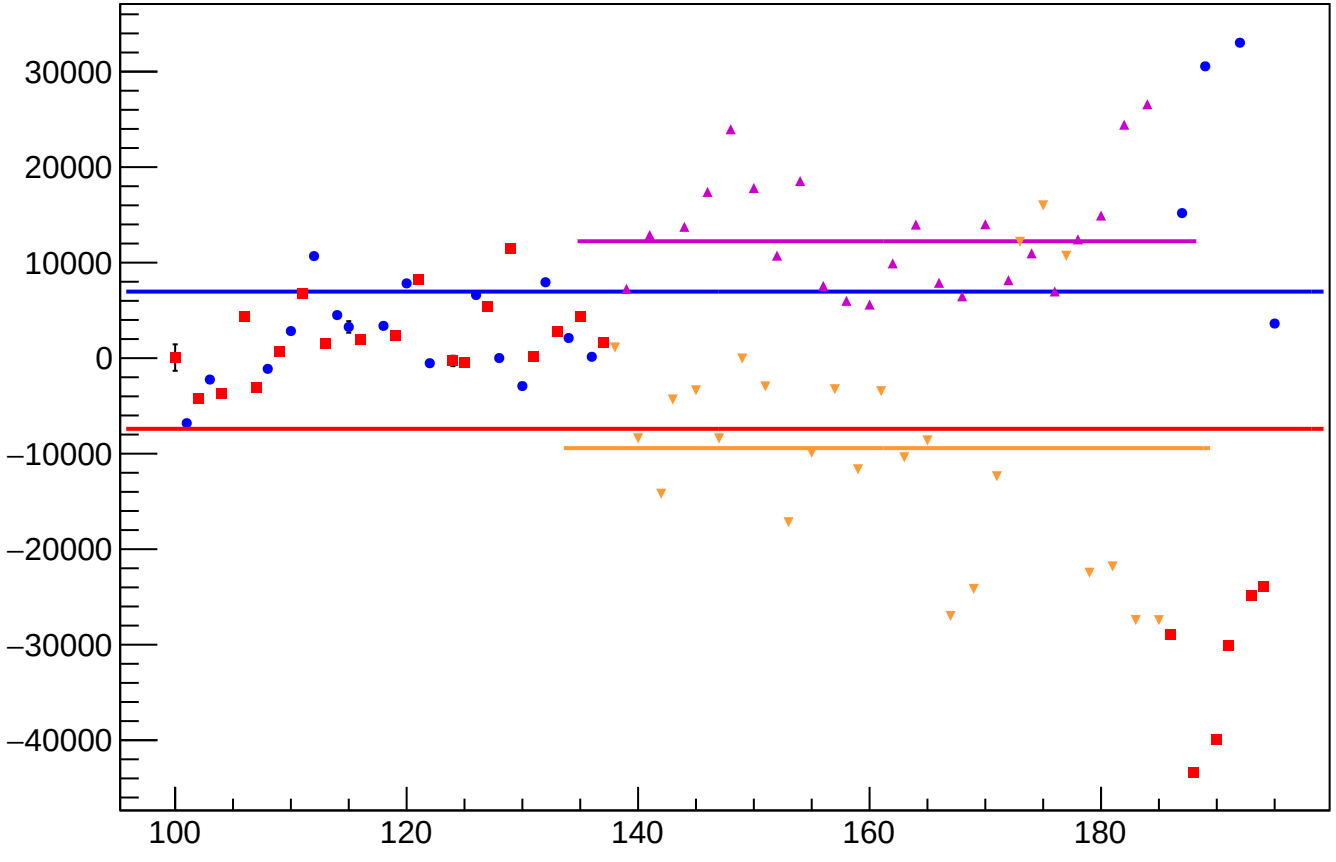
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.769+/-0.022 χ^2/NDF: 2913397.8/44

All: 162.379+/-0.016 χ^2/NDF: 5999550.6/92

- sign 161.994+/-0.022 χ^2/NDF: 3085536.6/47

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: -7399.638+/-54.854 χ^2/NDF: 97520.3/24

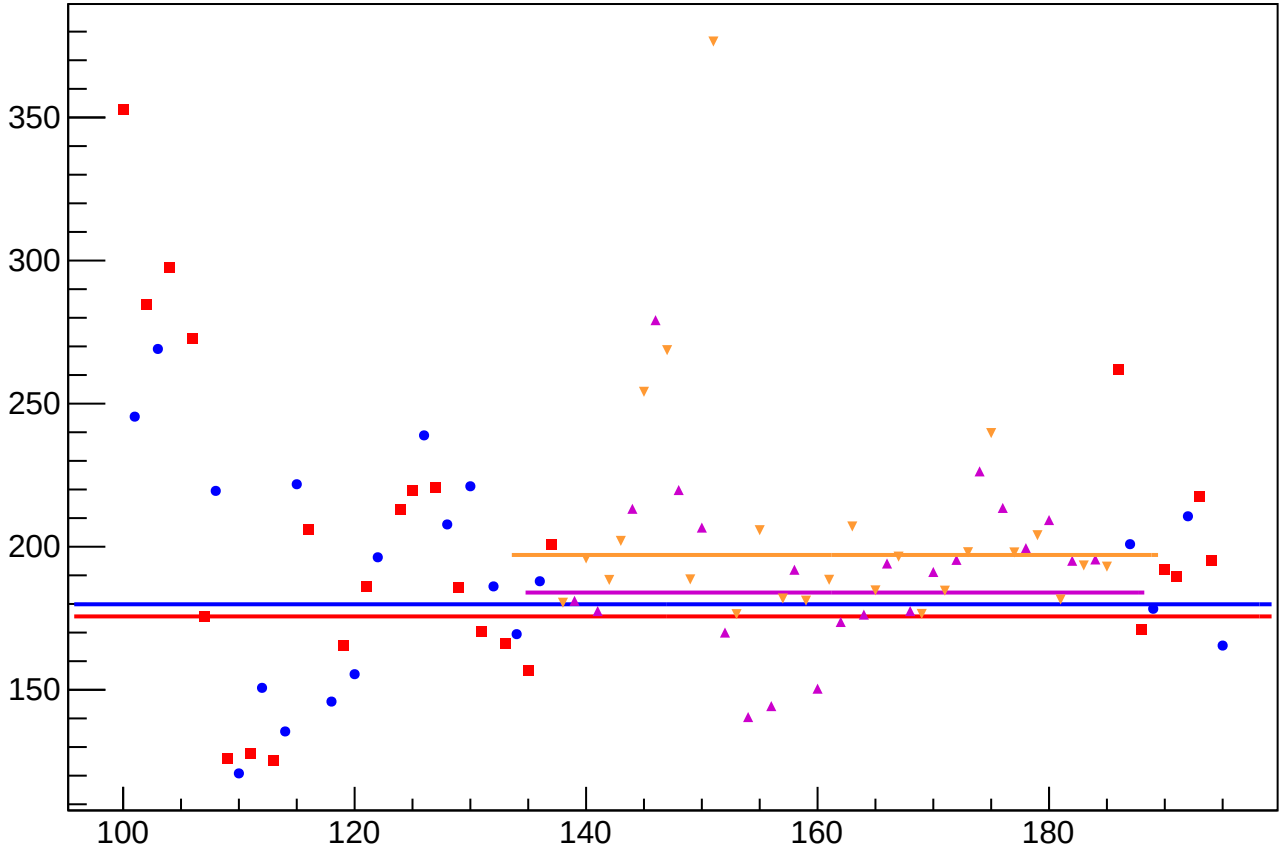
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3327.841+/-36.221 χ^2/NDF: 145008.5/44

All: 790.655+/-24.949 χ^2/NDF: 360865.7/92

- sign 4508.687+/-34.415 χ^2/NDF: 191256.8/47

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: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

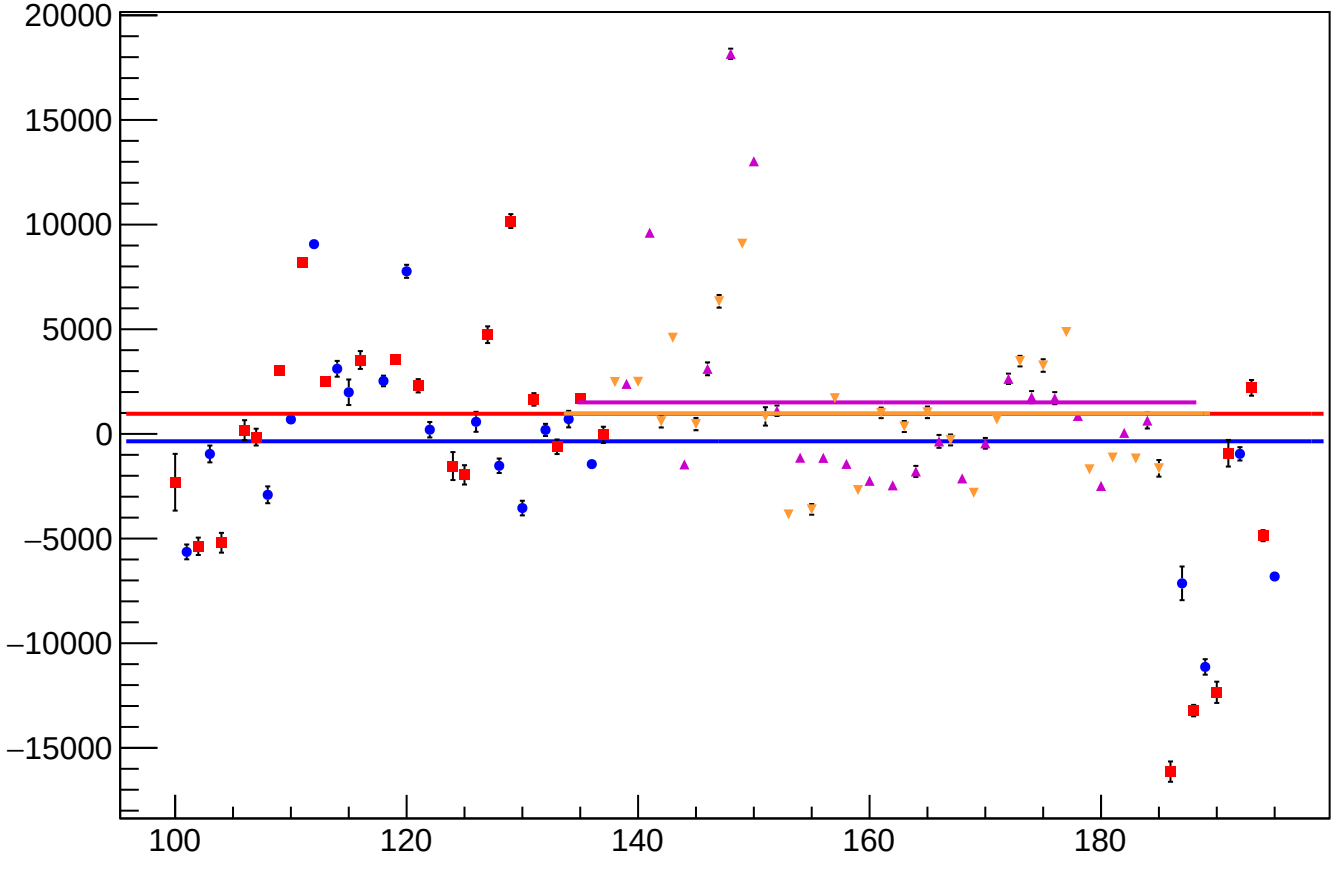
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.715+/-0.026 χ^2/NDF: 1572300.4/44

All: 185.453+/-0.018 χ^2/NDF: 3687394.2/92

- sign 180.703+/-0.024 χ^2/NDF: 2034786.8/47

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: 962.287+/-62.657 χ^2/NDF: 8316.4/24

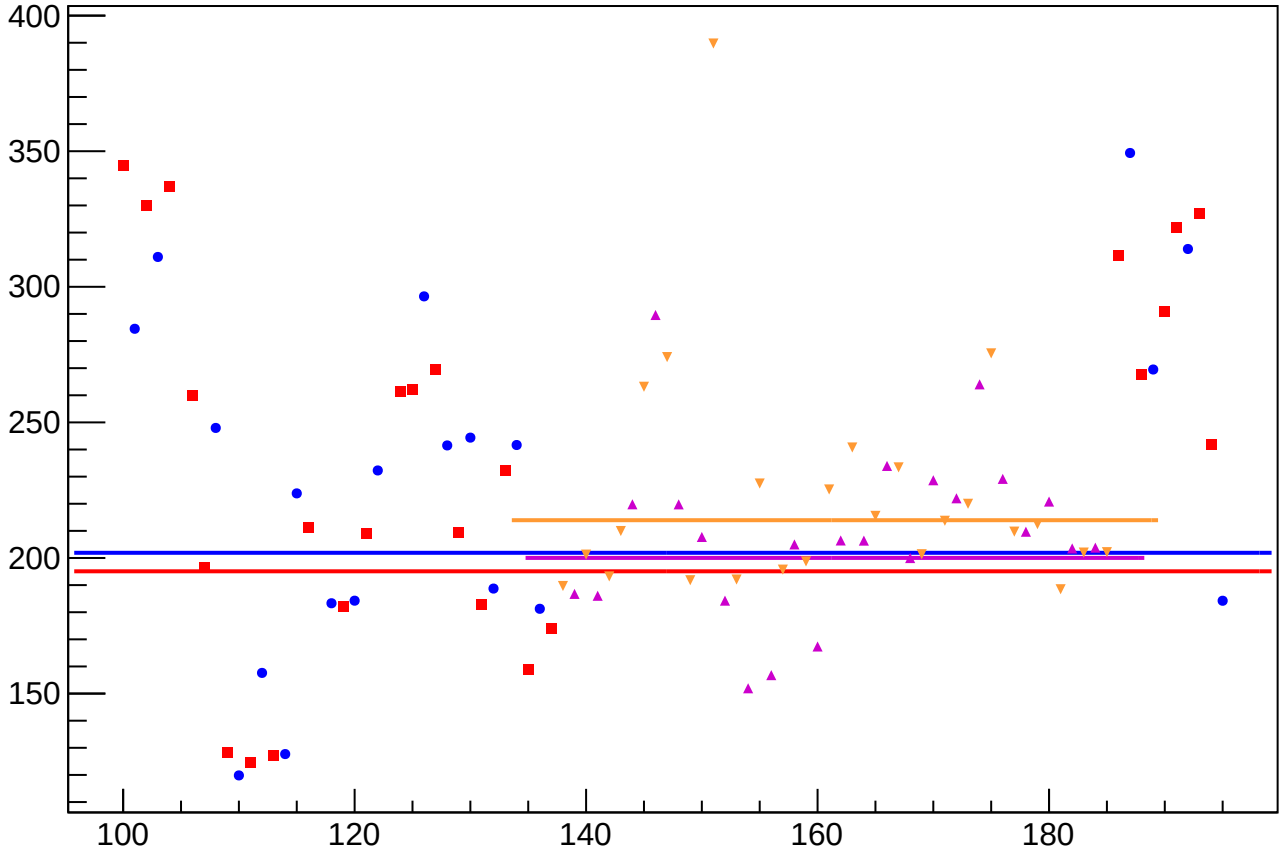
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 513.889+/-40.029 χ^2/NDF: 9617.6/44

All: 928.178+/-27.609 χ^2/NDF: 29666.2/92

- sign 1304.078+/-38.129 χ^2/NDF: 19844.3/47

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: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

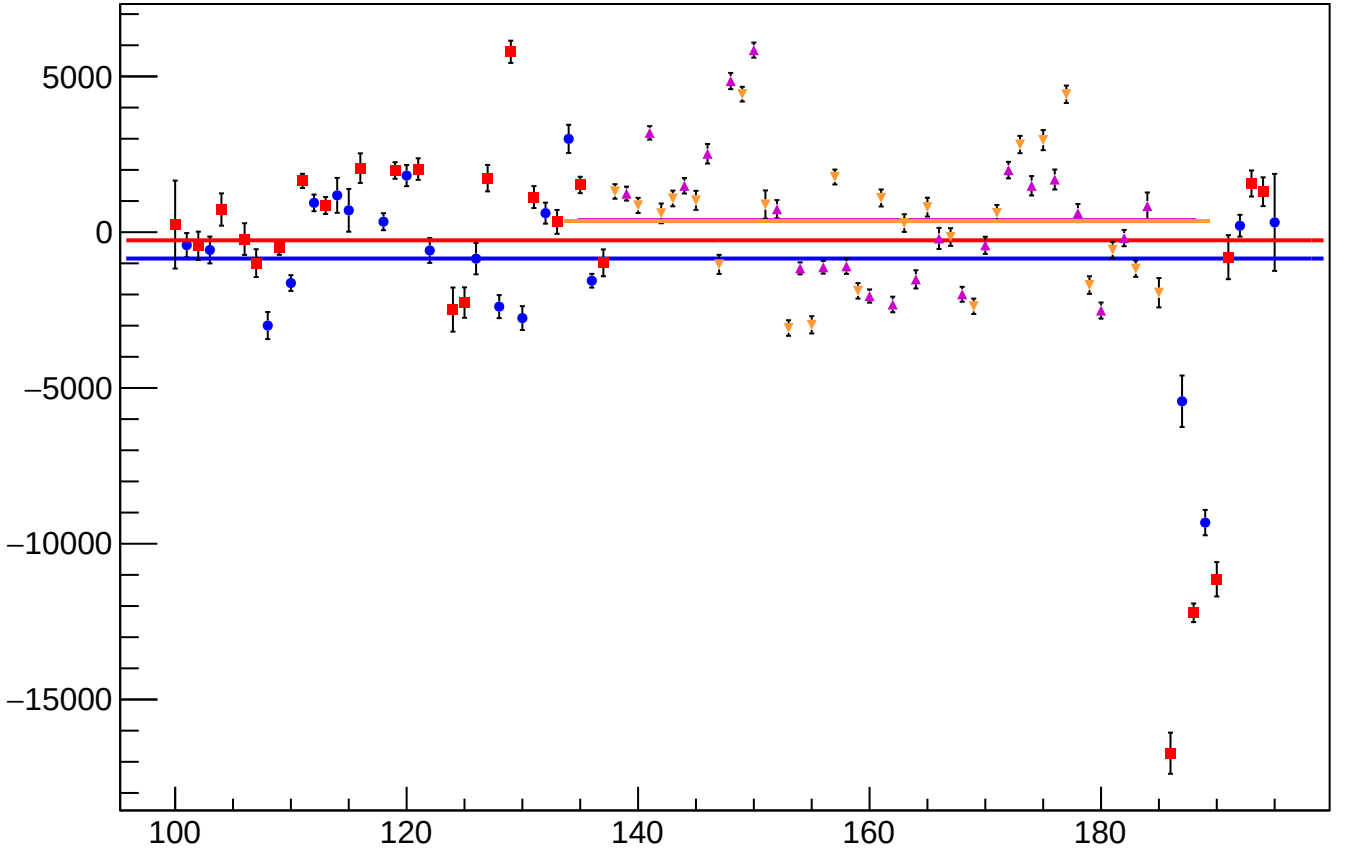
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.739+/-0.028 χ^2/NDF: 2157814.4/44

All: 203.689+/-0.020 χ^2/NDF: 5249527.6/92

- sign 198.200+/-0.027 χ^2/NDF: 3004590.3/47

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: -260.439+/-74.179 χ^2/NDF: 3268.1/24

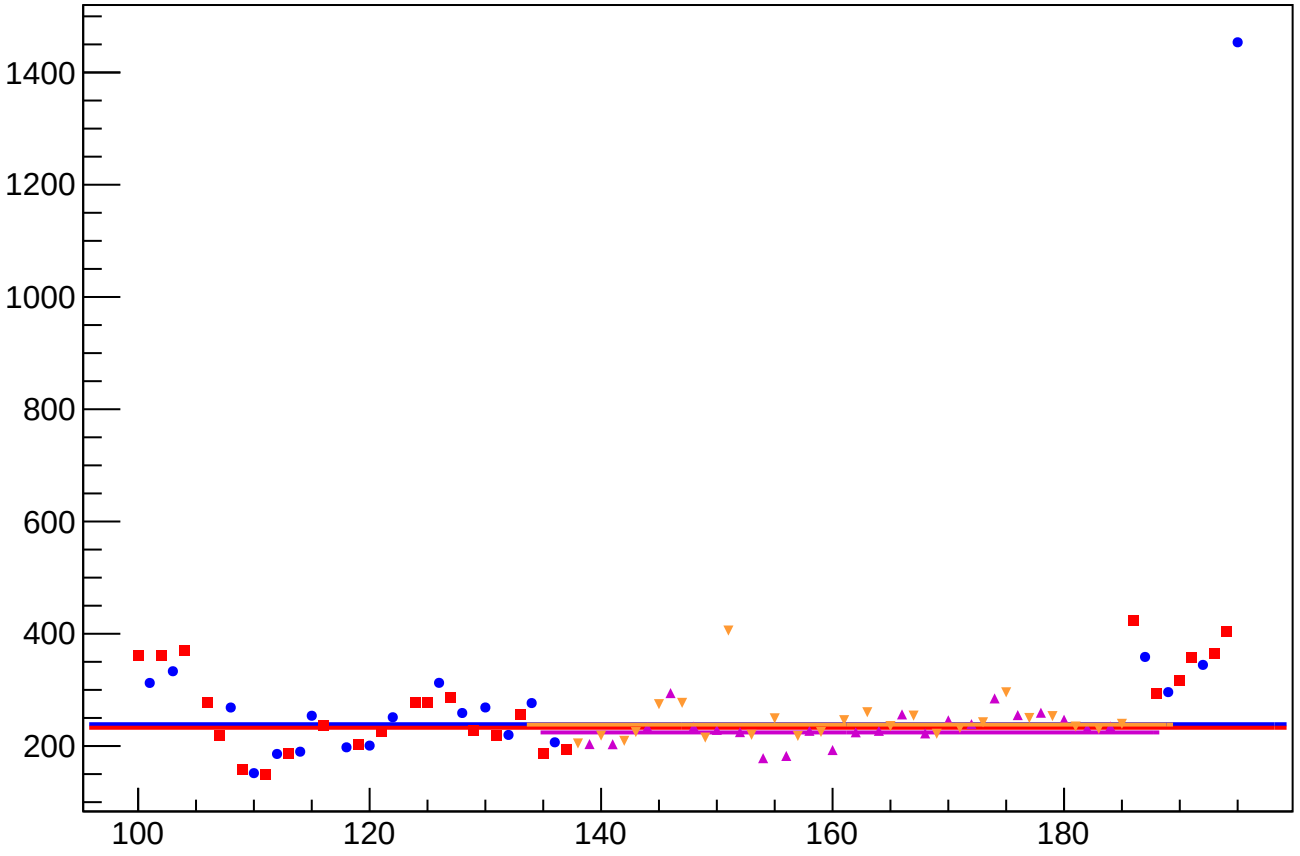
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.636+/-45.652 χ^2/NDF: 2364.8/44

All: 79.373+/-31.457 χ^2/NDF: 7495.3/92

- sign 165.267+/-43.407 χ^2/NDF: 5122.3/47

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: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

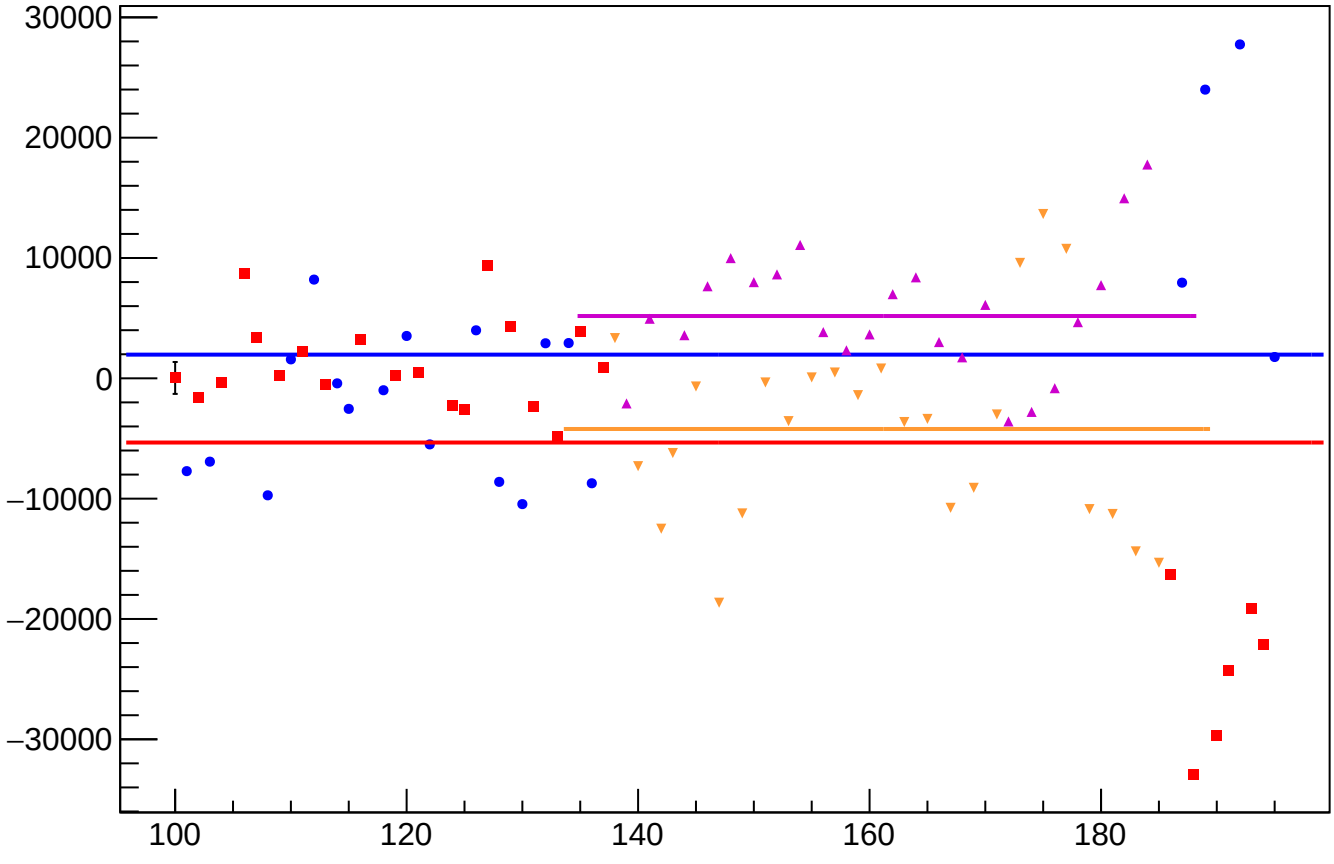
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 238.398+/-0.032 χ^2/NDF: 2757030.6/44

All: 232.448+/-0.022 χ^2/NDF: 5303619.2/92

- sign 227.069+/-0.031 χ^2/NDF: 2481906.5/47

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: -5335.781+/-38.499 χ^2/NDF: 101168.4/24

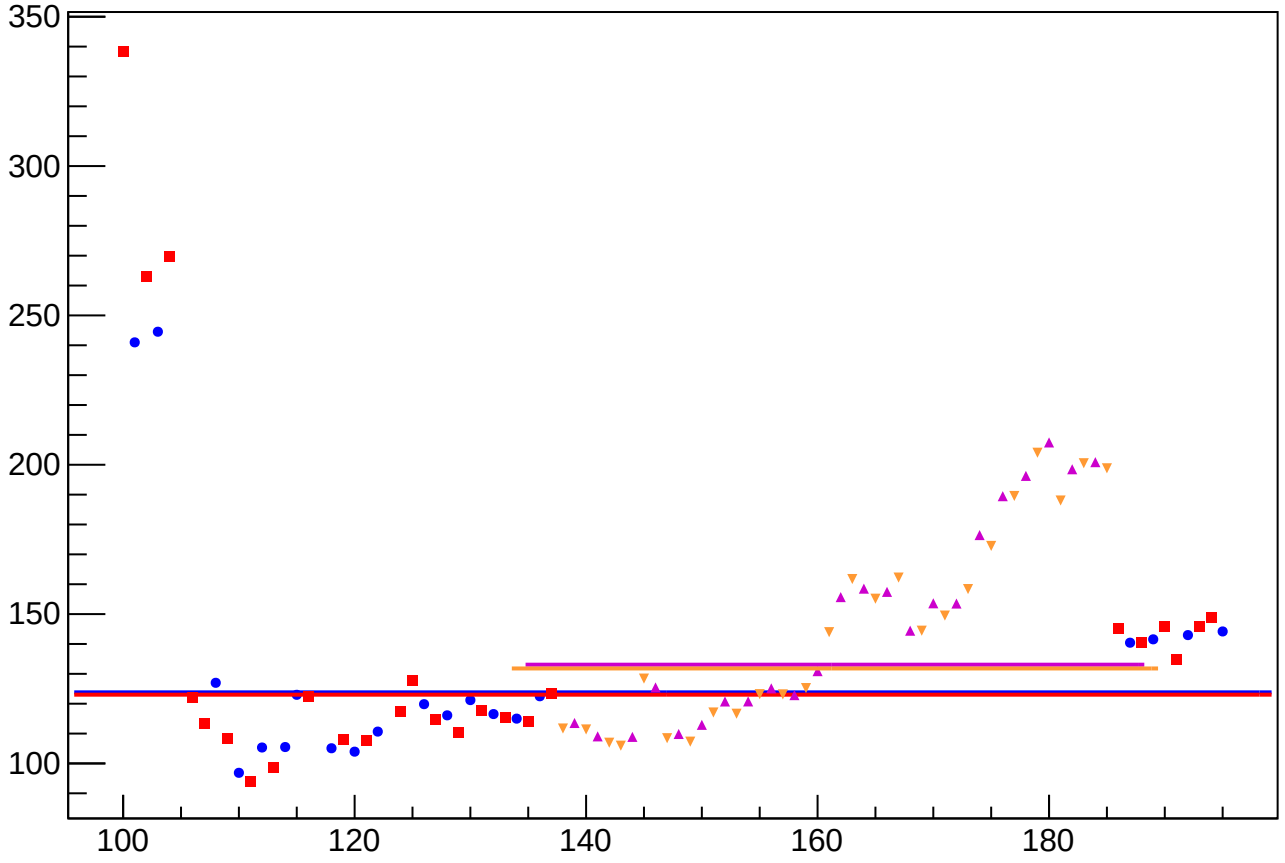
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2007.594+/-24.730 χ^2/NDF: 139581.5/44

All: -552.296+/-17.439 χ^2/NDF: 310322.8/92

- sign 887.180+/-24.595 χ^2/NDF: 163852.8/47

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: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

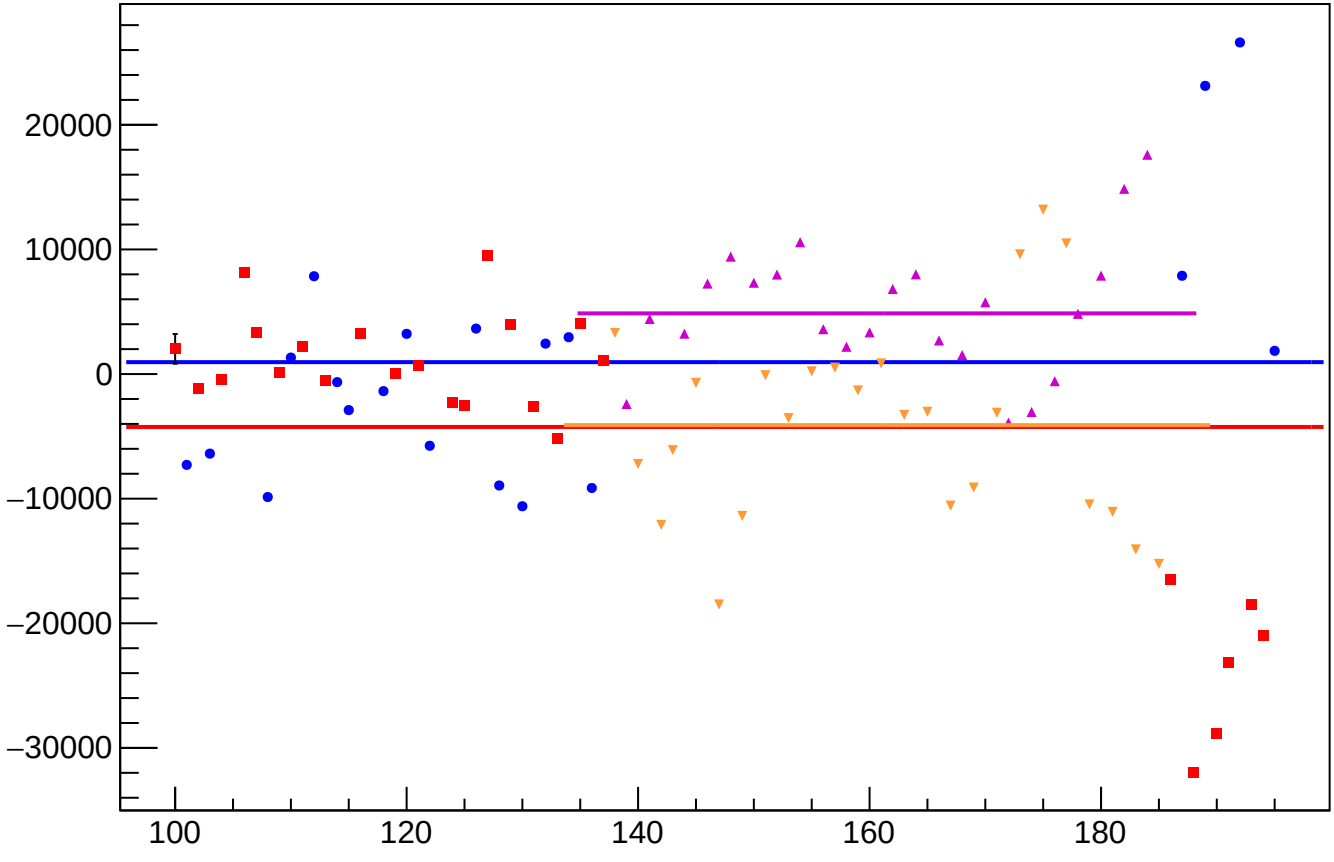
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.946+/-0.017 χ^2/NDF: 2442659.4/44

All: 128.956+/-0.012 χ^2/NDF: 5020607.3/92

- sign 128.965+/-0.017 χ^2/NDF: 2577947.3/47

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: -4245.352+/-34.700 χ^2/NDF: 107079.1/24

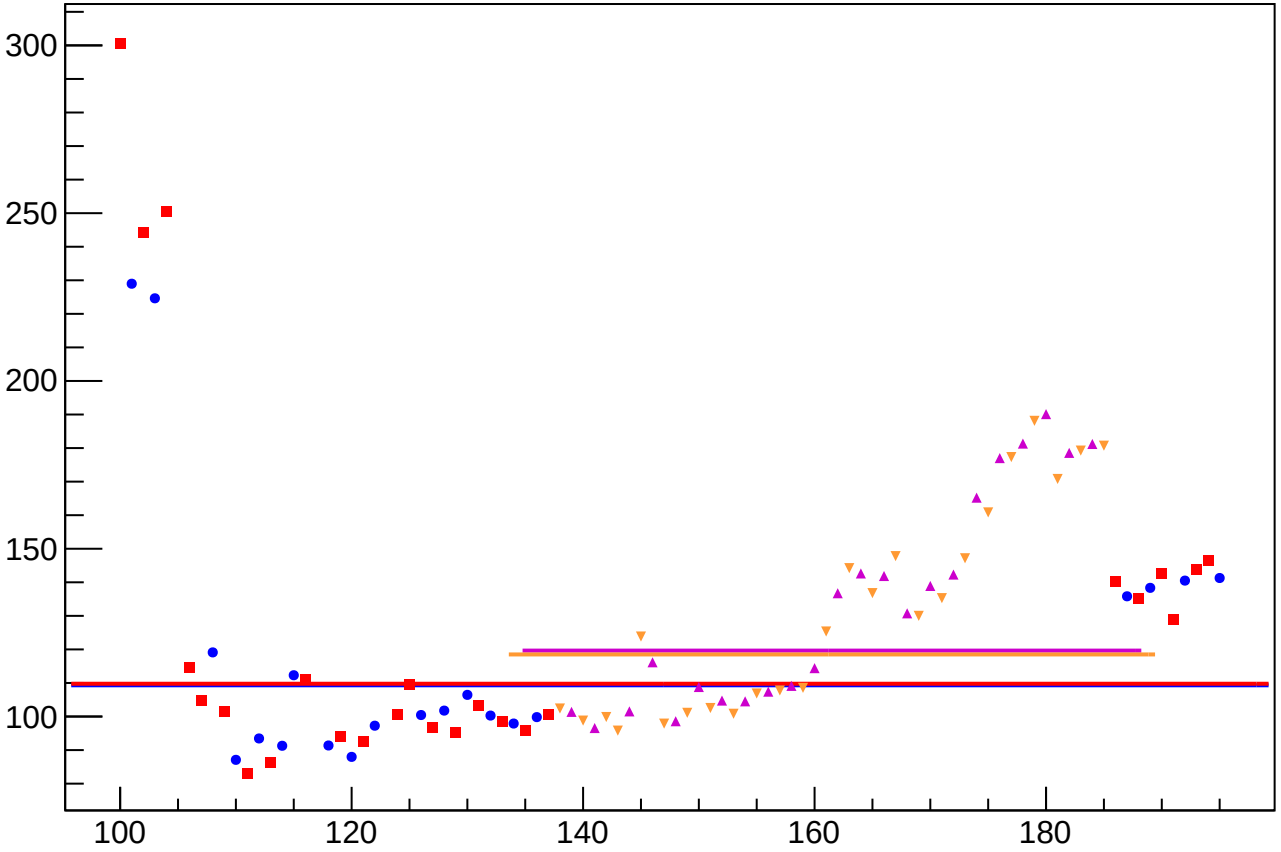
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -2273.496+/-22.198 χ^2/NDF: 152443.2/44

All: -558.966+/-15.685 χ^2/NDF: 334197.0/92

\- sign 1150.487+/-22.165 χ^2/NDF: 169840.2/47

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: 109.768+/-0.025 χ^2/NDF: 1382402.5/24

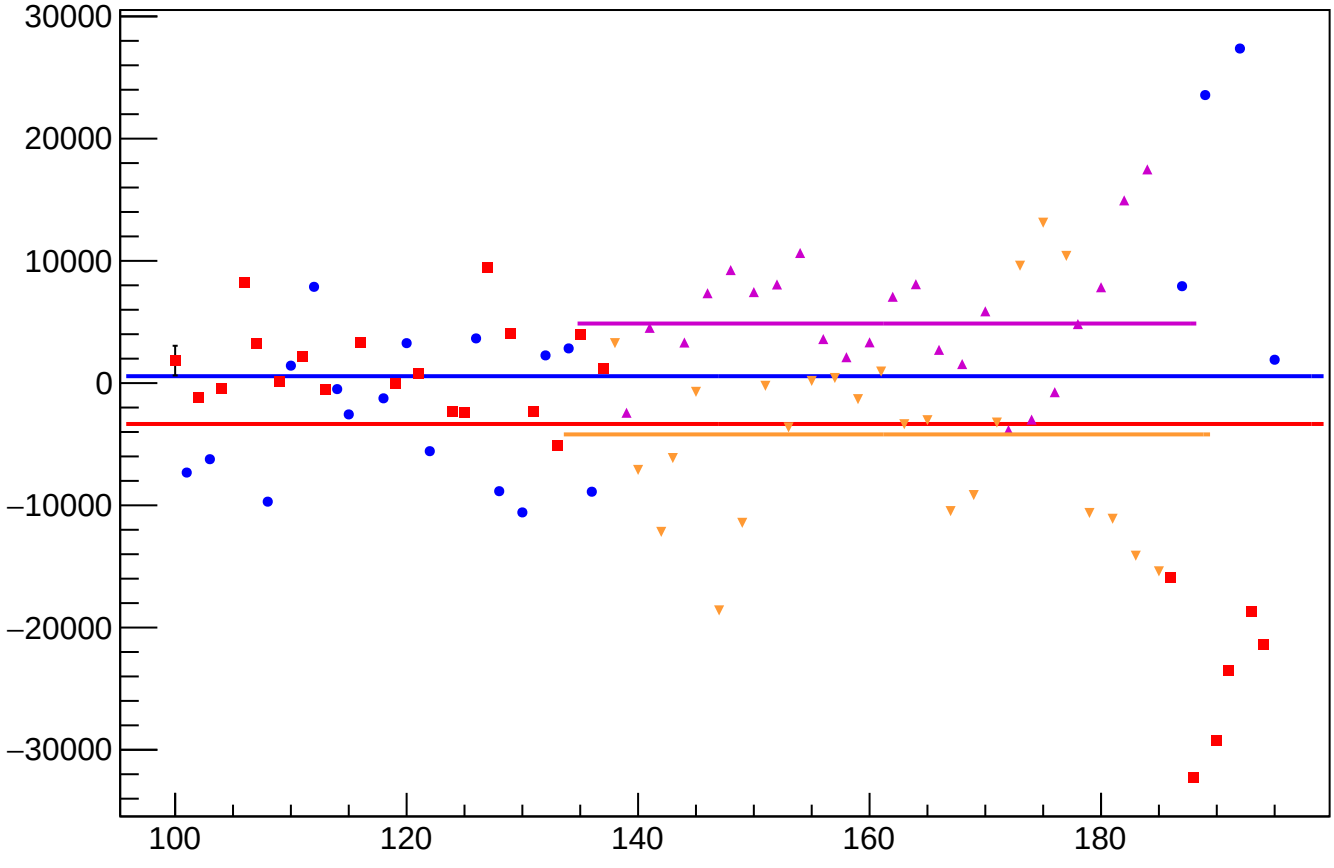
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 115.182+/-0.016 χ^2/NDF: 2829775.1/44

All: 115.399+/-0.011 χ^2/NDF: 5820851.0/92

- sign 115.615+/-0.016 χ^2/NDF: 2990695.4/47

asym_bpm2i02WS_mean vs Slug



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: -3344.476+/-33.901 χ^2/NDF: 100347.8/24

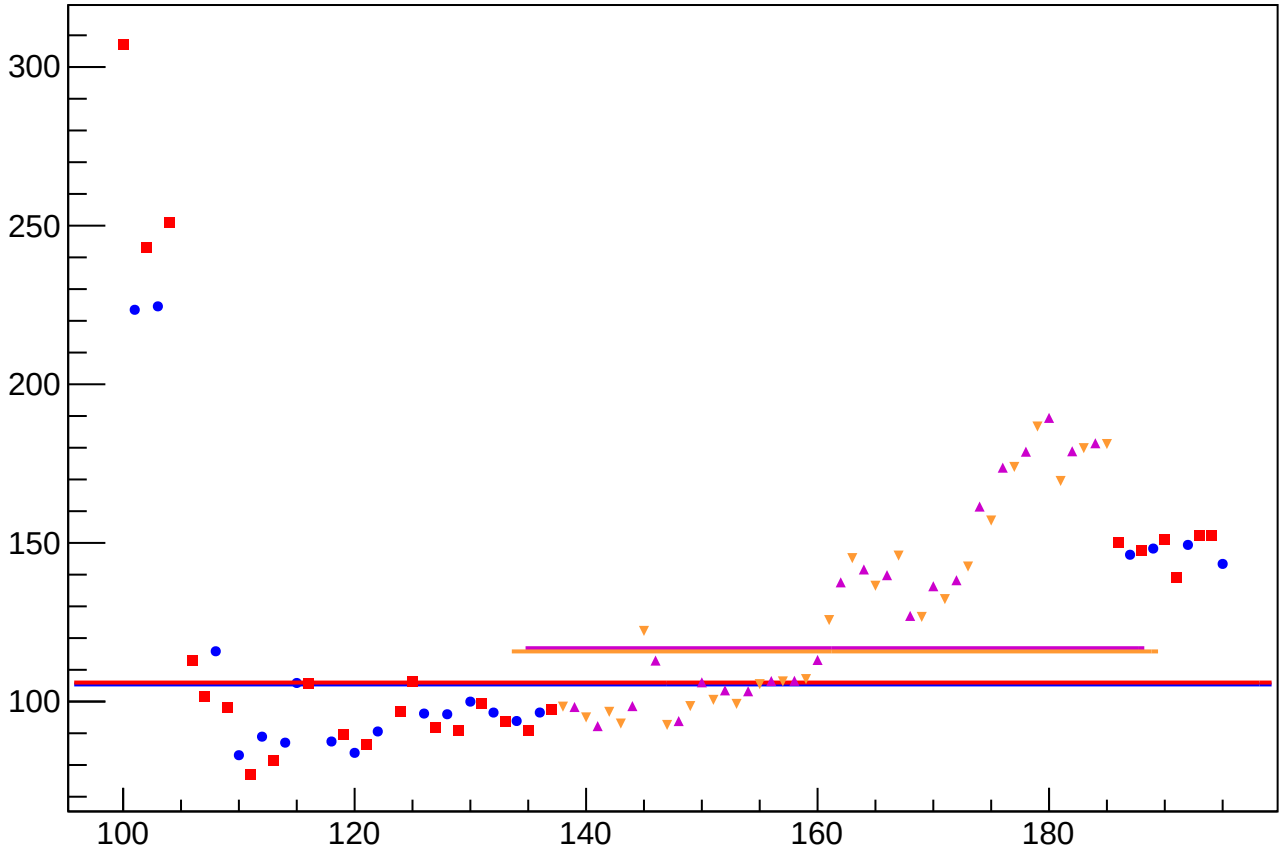
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -2461.966+/-21.694 χ^2/NDF: 153865.3/44

All: -473.525+/-15.335 χ^2/NDF: 328656.4/92

- sign 1512.418+/-21.680 χ^2/NDF: 157998.7/47

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: 105.984+/-0.024 χ^2/NDF: 1774281.8/24

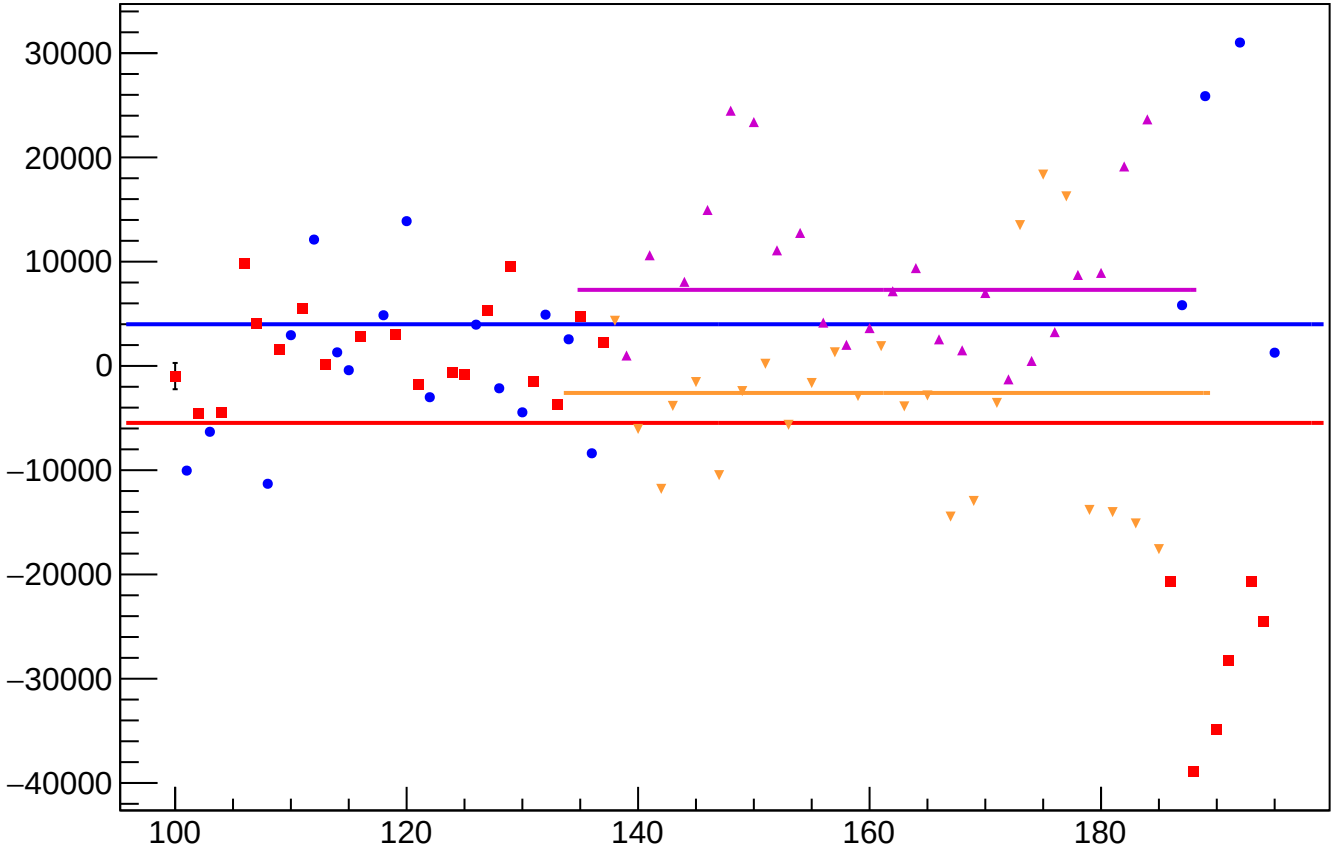
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 112.006+/-0.015 χ^2/NDF: 3202570.1/44

All: 112.194+/-0.011 χ^2/NDF: 6715307.0/92

- sign 112.382+/-0.015 χ^2/NDF: 3512436.8/47

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: -5465.433+/-46.327 χ^2/NDF: 93371.8/24

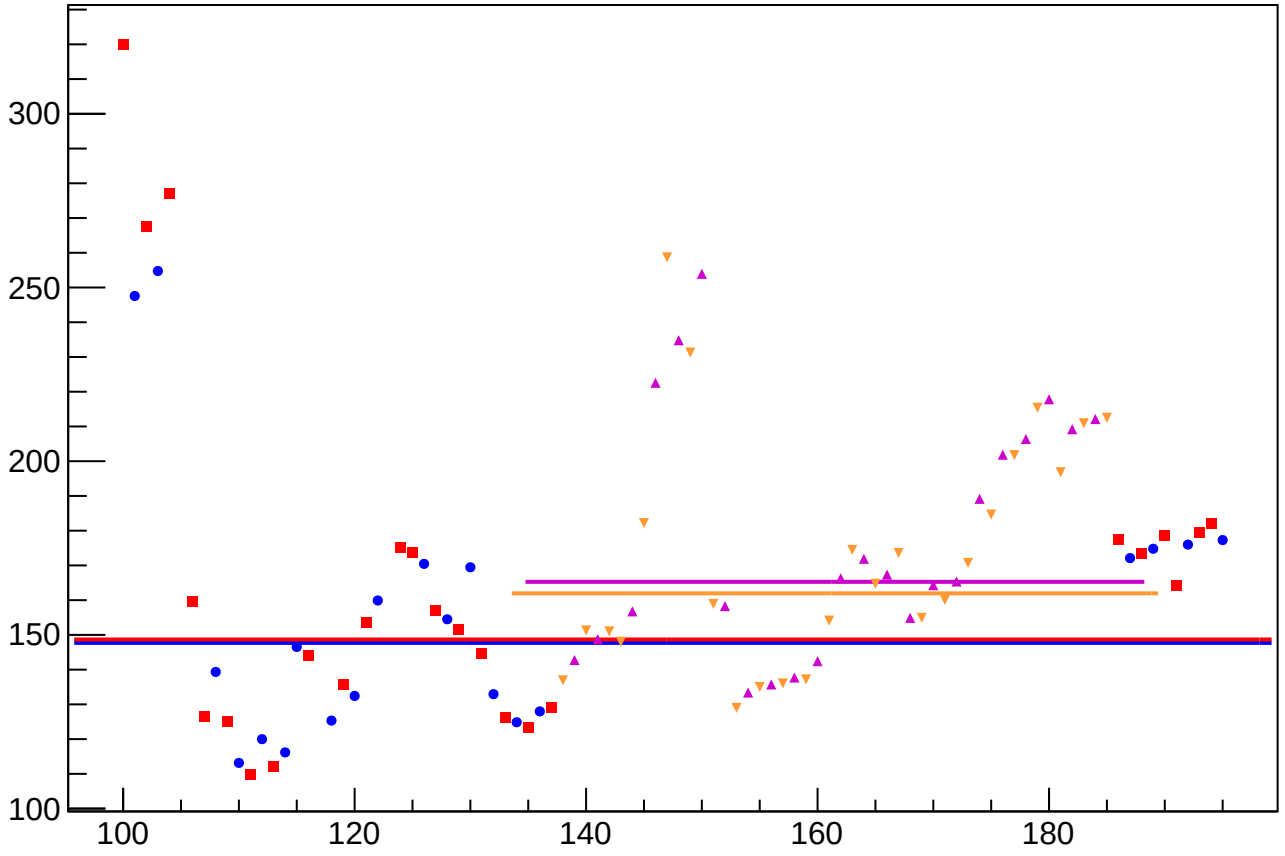
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

\+ sign -152.727+/-29.875 χ^2/NDF: 113077.3/44

All: 872.338+/-21.201 χ^2/NDF: 277432.4/92

\- sign 1912.255+/-30.091 χ^2/NDF: 161983.4/47

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: 148.678+/-0.033 χ^2/NDF: 1054440.2/24

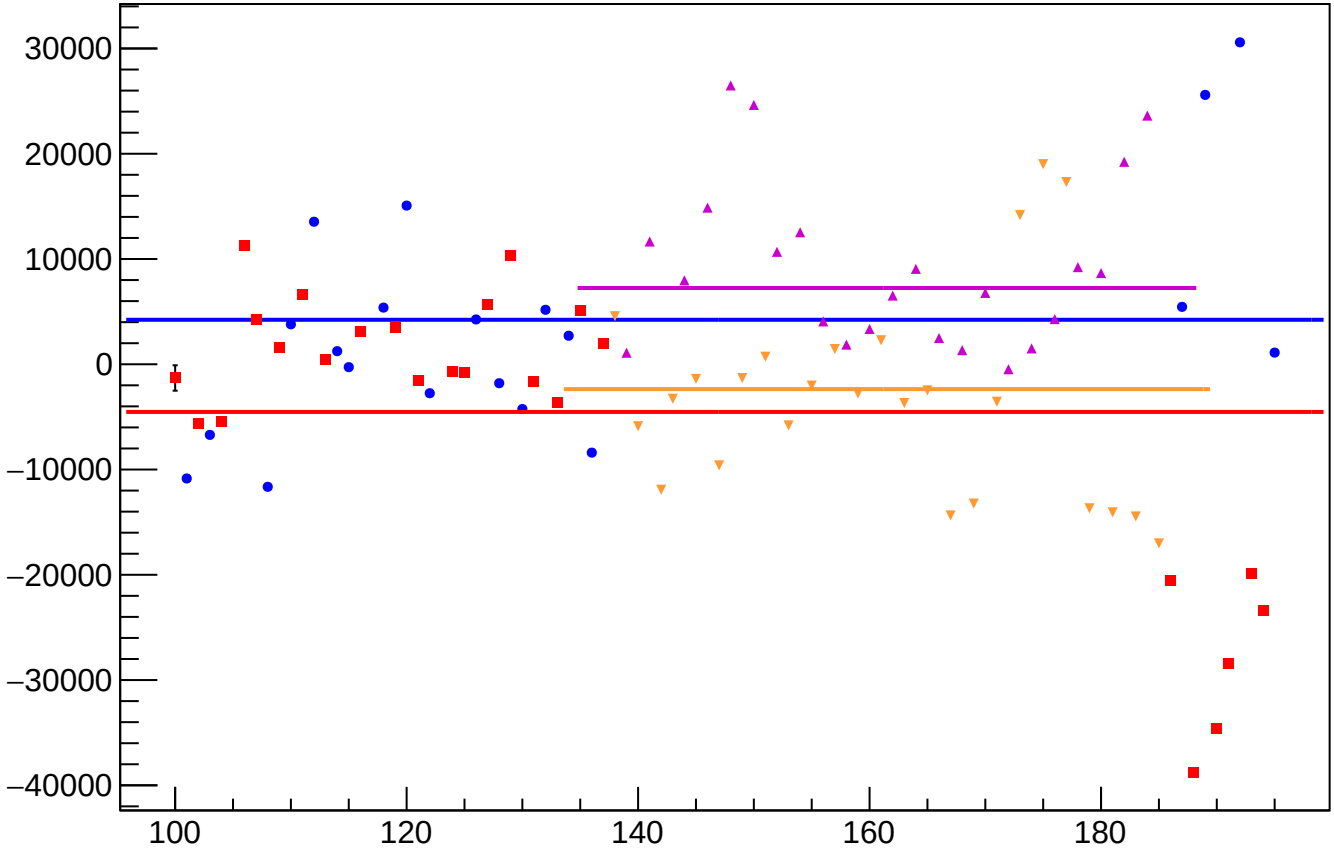
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 156.680+/-0.021 χ^2/NDF: 2090210.7/44

All: 157.470+/-0.015 χ^2/NDF: 4474907.4/92

- sign 158.272+/-0.021 χ^2/NDF: 2381878.9/47

asym_bpm0i01aWS_mean vs Slug



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: -4527.586+/-38.796 χ^2/NDF: 129061.5/24

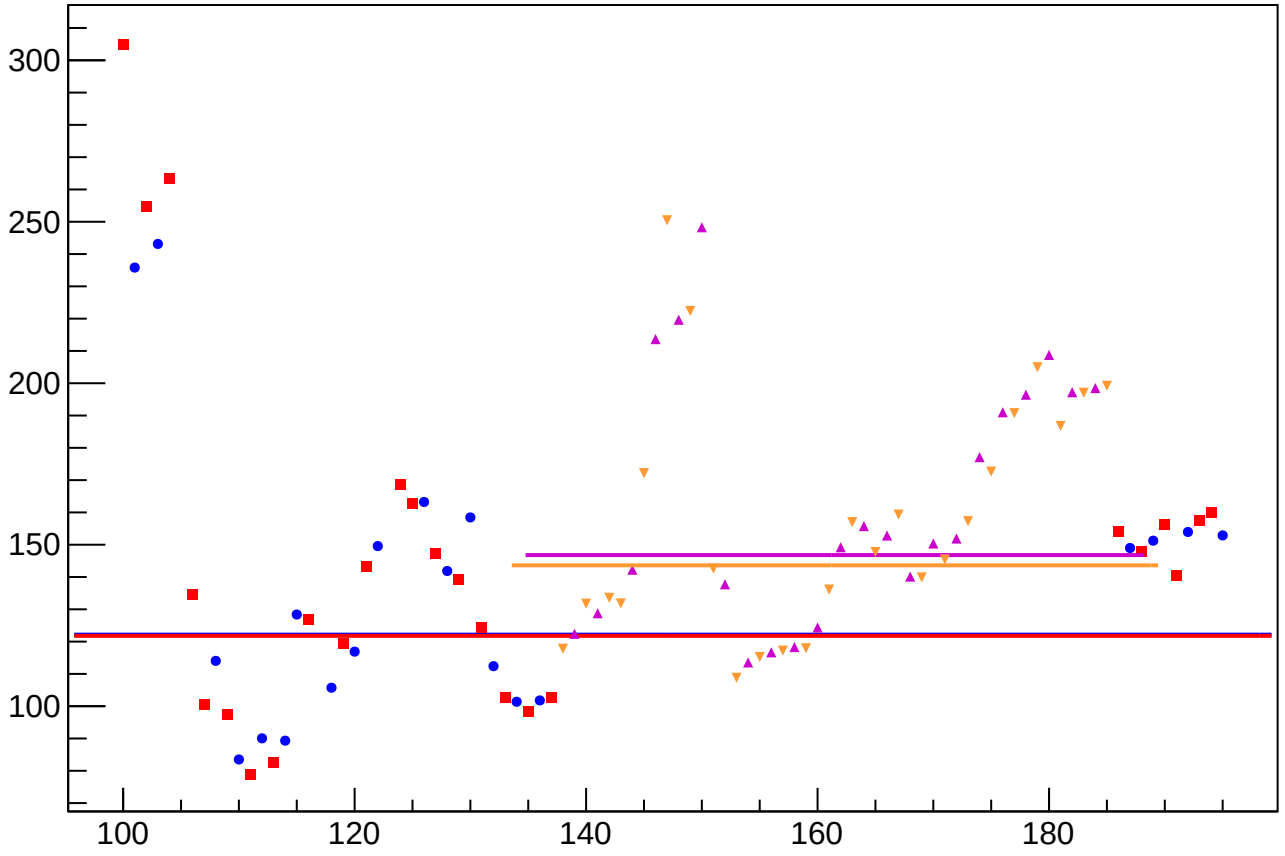
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign 262.404+/-26.128 χ^2/NDF: 148029.6/44

All: 1068.508+/-18.498 χ^2/NDF: 359553.6/92

\- sign 1878.636+/-26.193 χ^2/NDF: 209615.5/47

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: 121.788+/-0.027 χ^2/NDF: 1741278.1/24

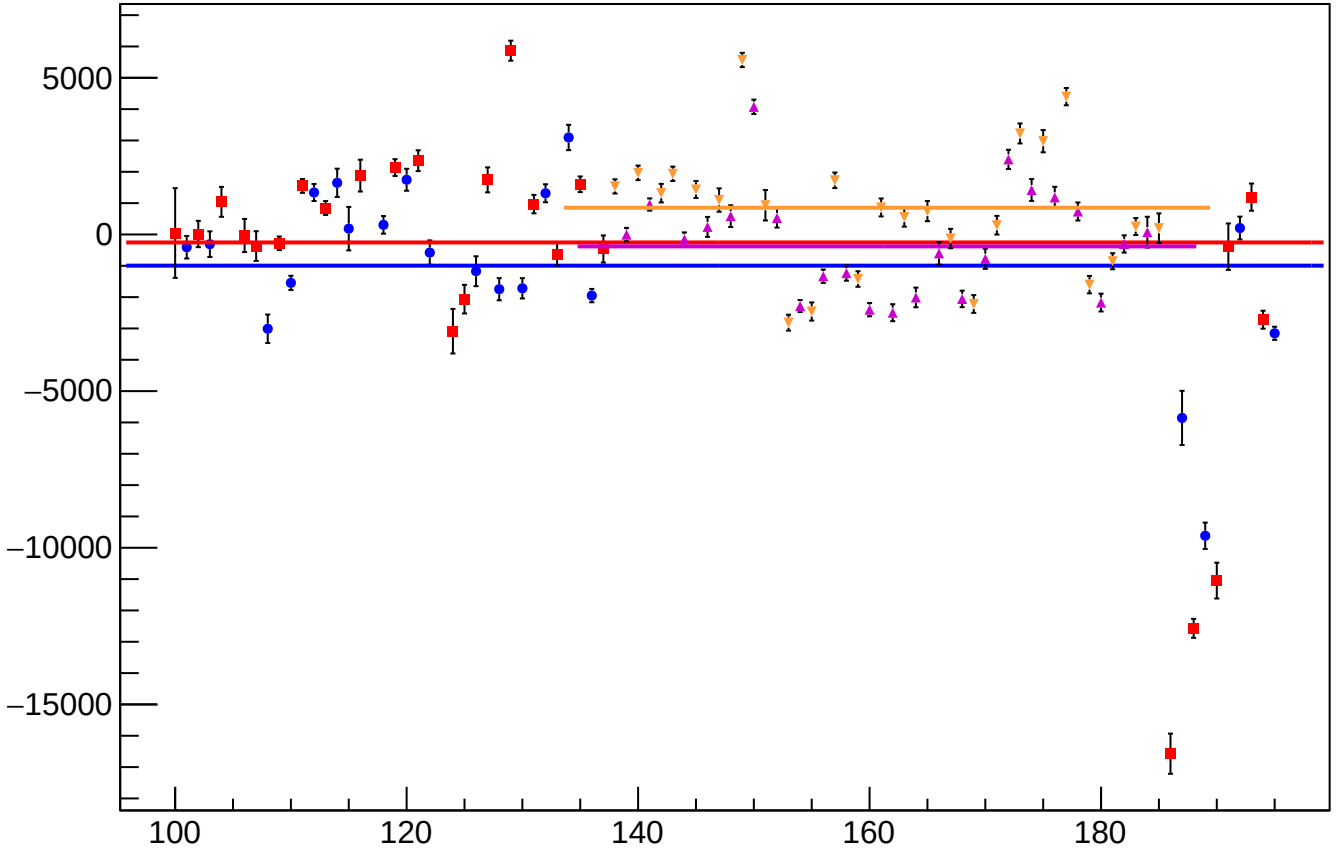
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 135.073+/-0.018 χ^2/NDF: 3349761.0/44

All: 135.234+/-0.013 χ^2/NDF: 7237854.1/92

- sign 135.395+/-0.019 χ^2/NDF: 3887941.3/47

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: -254.781+/-69.529 χ^2/NDF: 3502.7/24

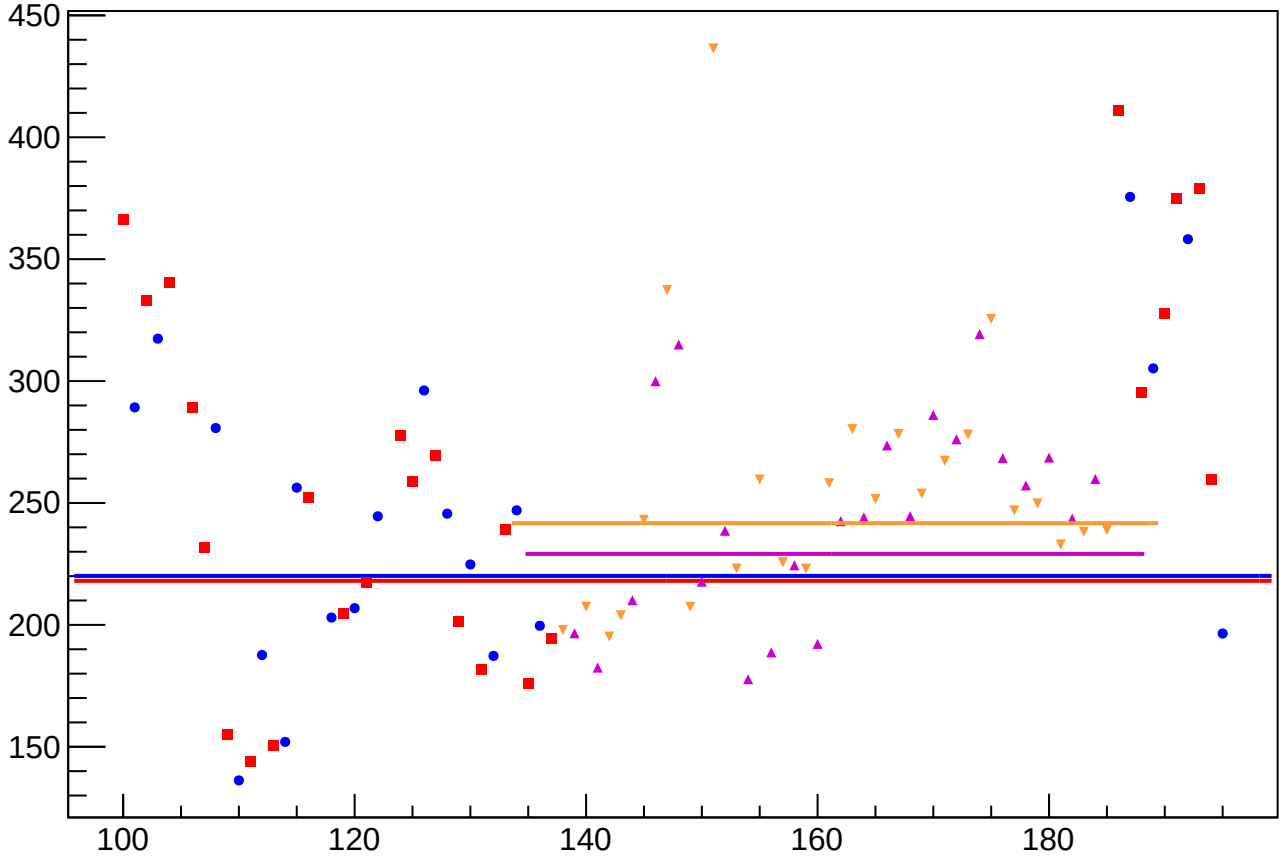
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 170.175+/-44.648 χ^2/NDF: 2835.8/44

All: -89.278+/-31.046 χ^2/NDF: 7388.3/92

- sign -332.189+/-43.201 χ^2/NDF: 4487.1/47

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: 218.061+/-0.049 χ^2/NDF: 1893465.8/24

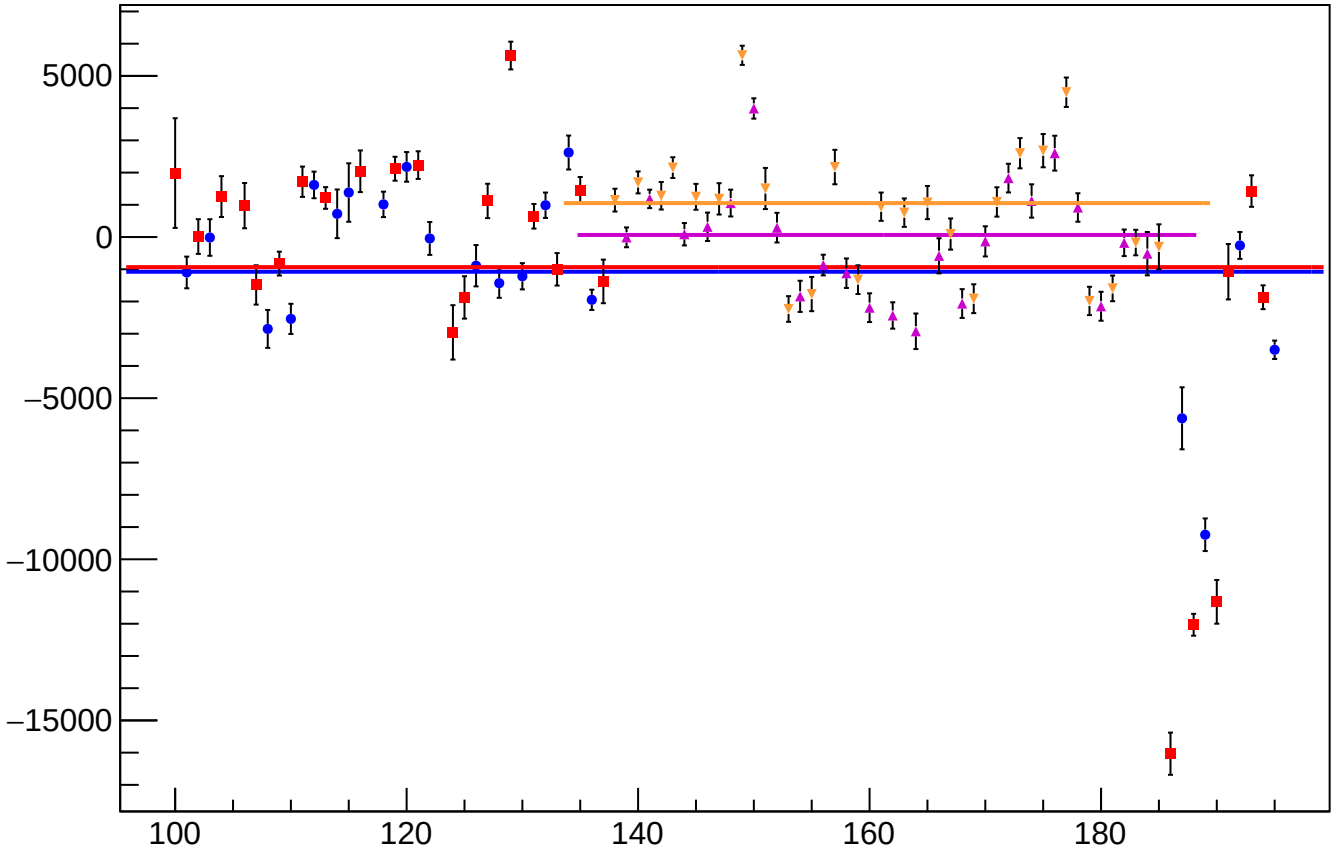
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.740+/-0.032 χ^2/NDF: 2265300.4/44

All: 229.144+/-0.022 χ^2/NDF: 5299740.7/92

- sign 224.840+/-0.031 χ^2/NDF: 2993397.2/47

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: -934.157+/-97.959 χ^2/NDF: 2414.3/24

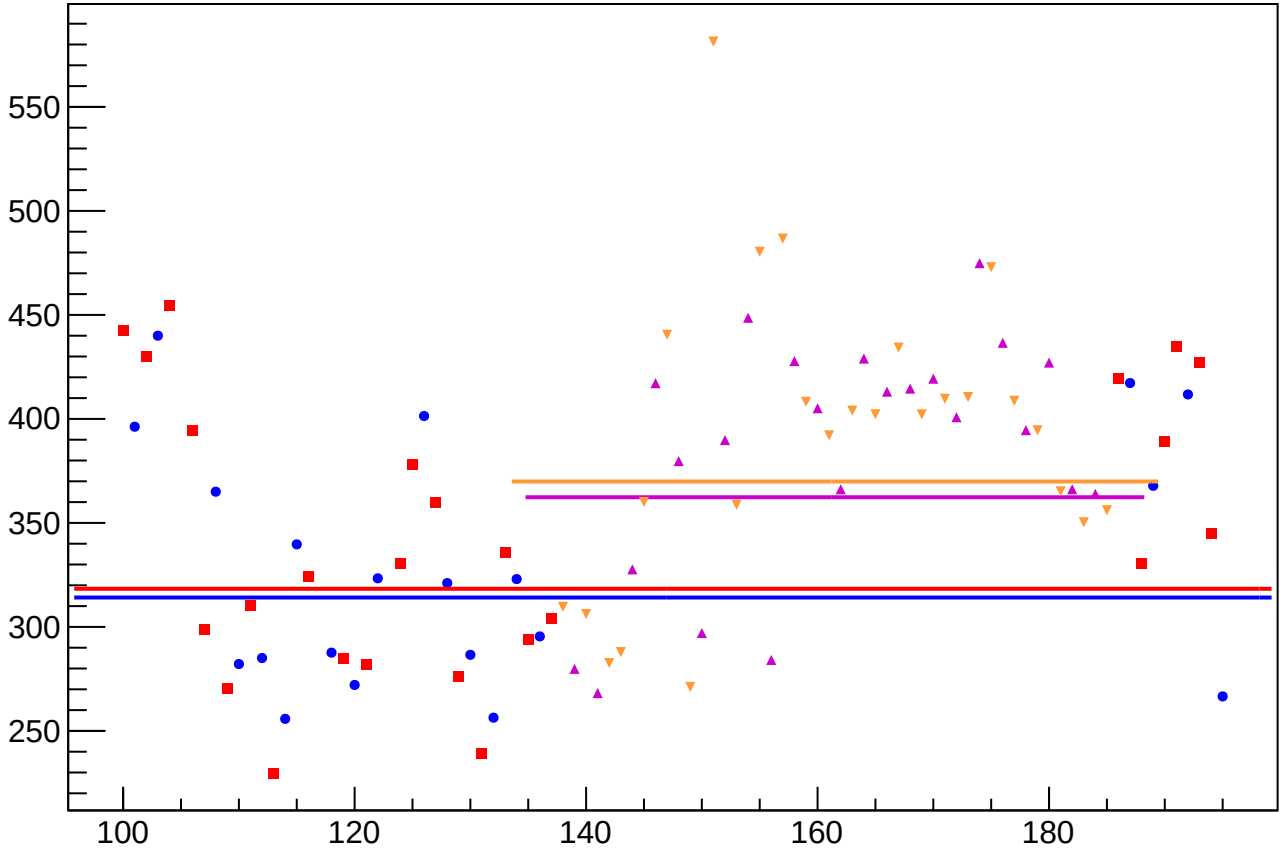
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 175.738+/-65.867 χ^2/NDF: 1471.4/44

All: -103.095+/-46.232 χ^2/NDF: 4373.8/92

- sign -373.854+/-64.907 χ^2/NDF: 2867.1/47

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: 318.335+/-0.069 χ^2/NDF: 781860.2/24

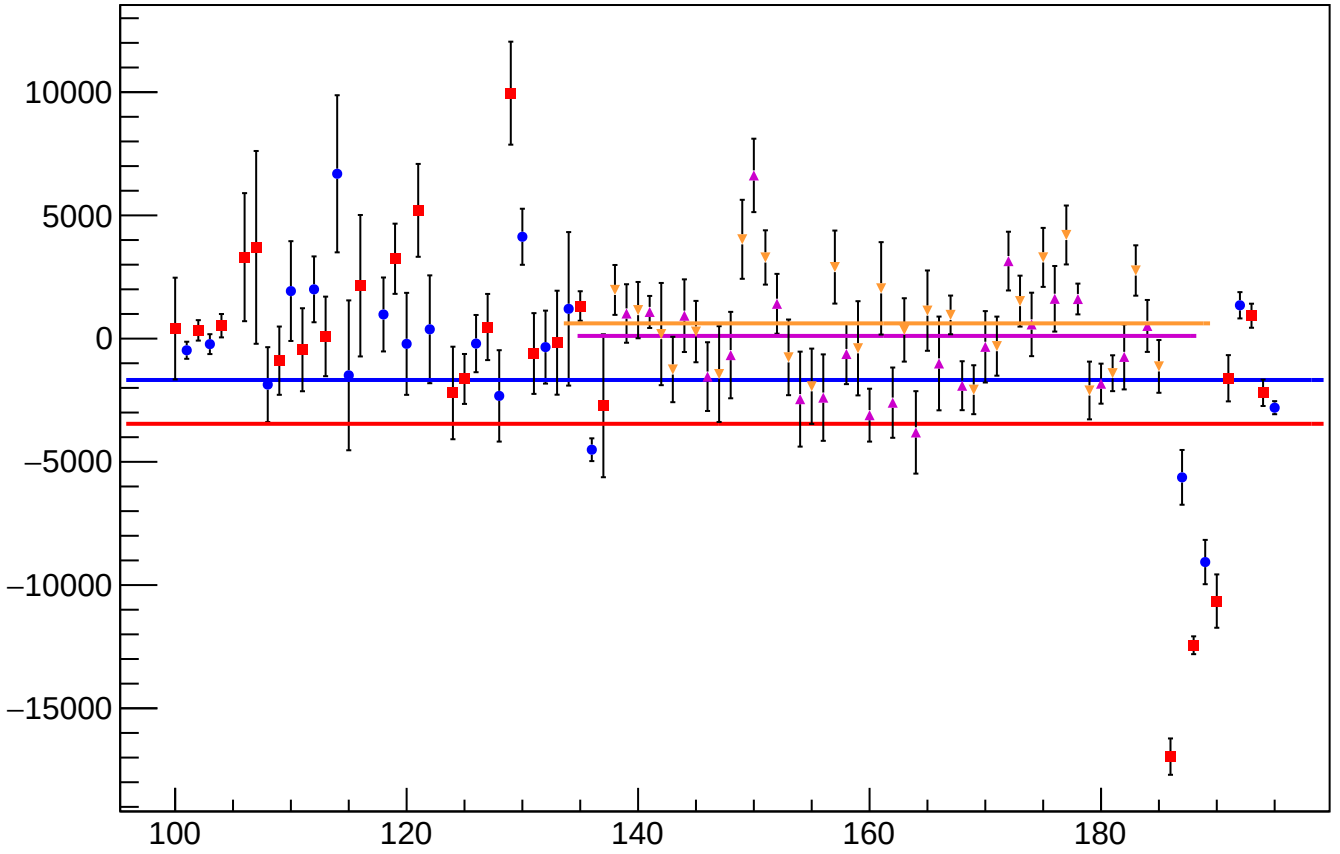
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 346.939+/-0.047 χ^2/NDF: 2113543.3/44

All: 344.951+/-0.033 χ^2/NDF: 4178808.2/92

- sign 343.021+/-0.046 χ^2/NDF: 2061675.2/47

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: -3456.846+/-163.171 χ^2/NDF: 1436.2/24

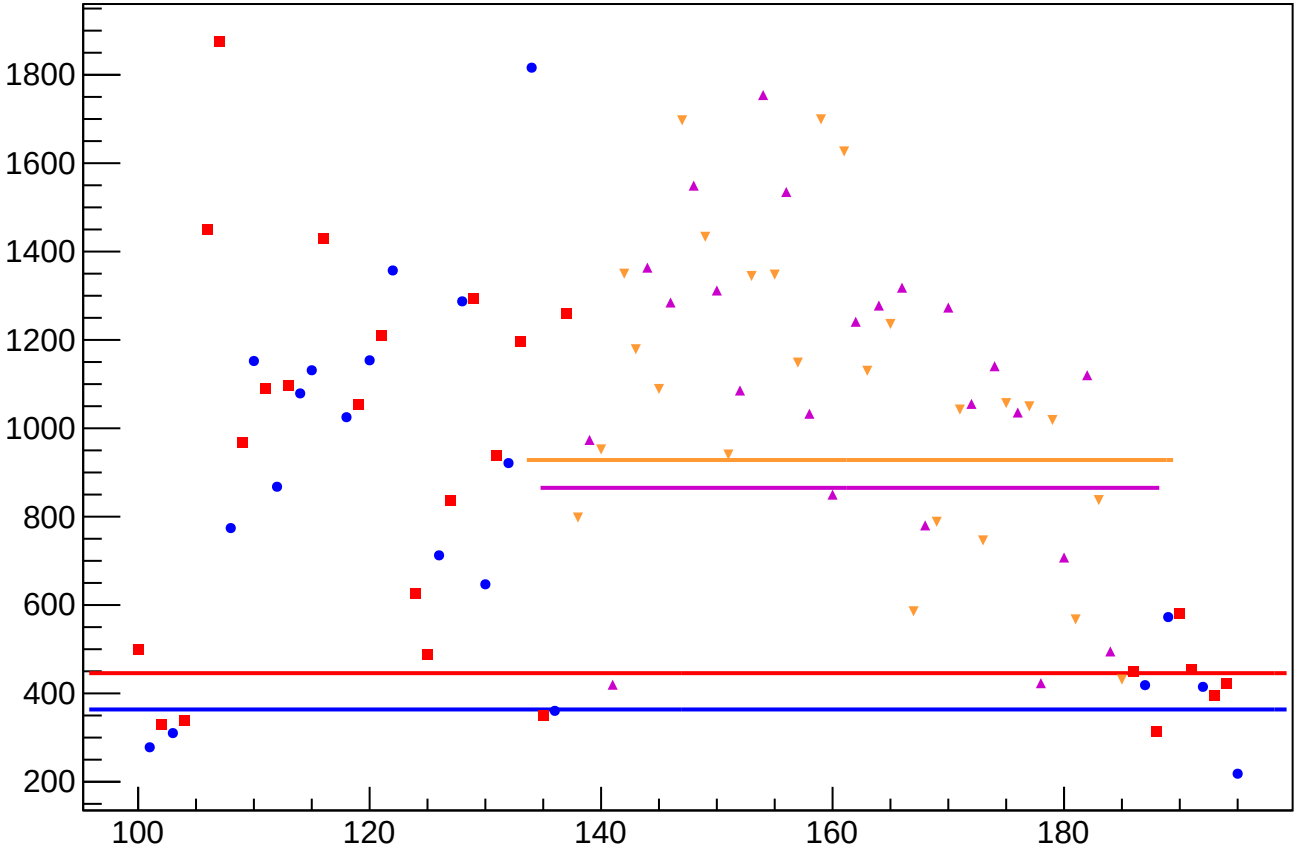
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -1017.842+/-127.731 χ^2/NDF: 376.8/44

All: -1632.916+/-92.636 χ^2/NDF: 2086.5/92

- sign -2315.392+/-134.548 χ^2/NDF: 1660.8/47

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: 445.817+/-0.115 χ^2/NDF: 4141443.2/24

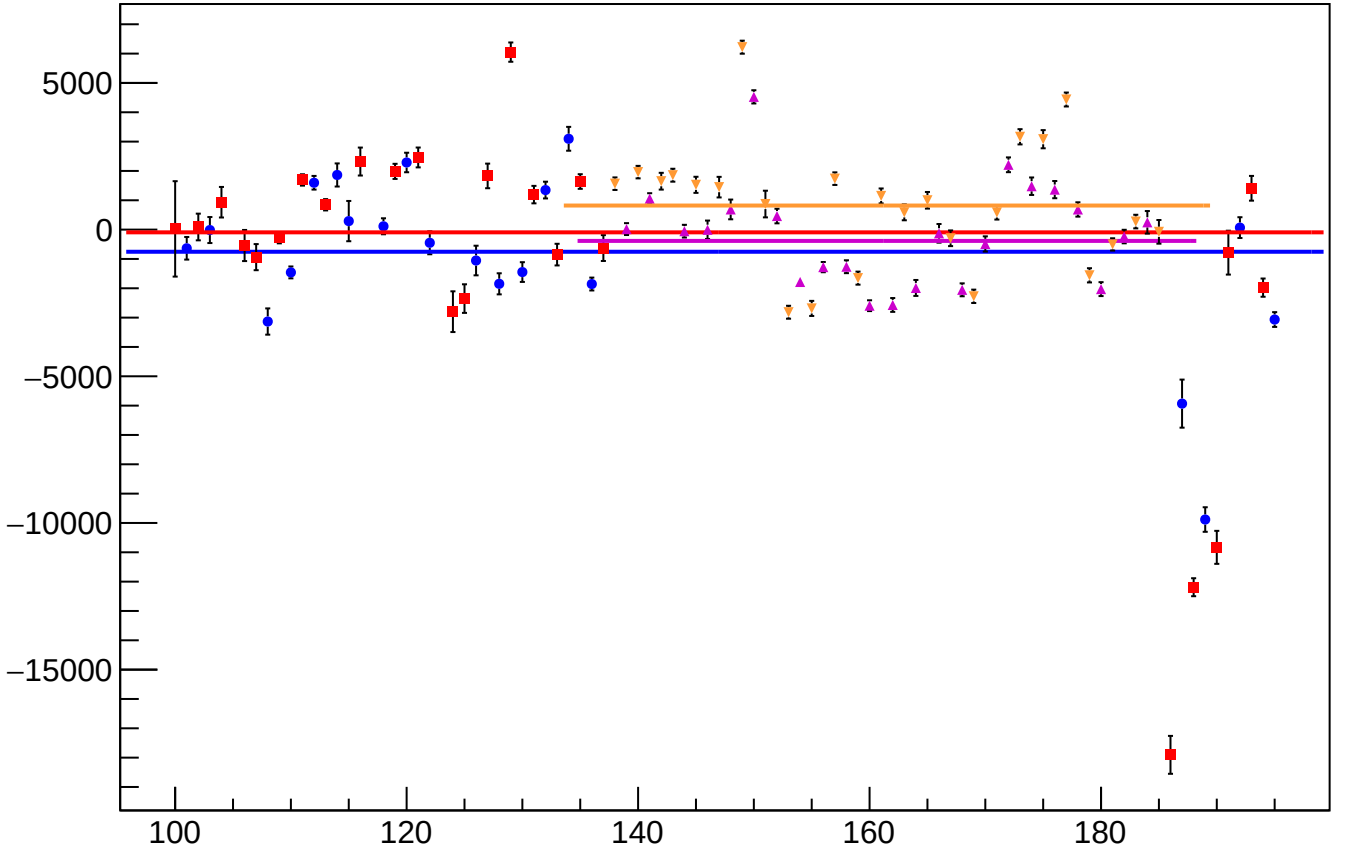
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 526.040+/-0.090 χ^2/NDF: 15769273.9/44

All: 551.643+/-0.066 χ^2/NDF: 29102002.6/92

- sign 580.052+/-0.095 χ^2/NDF: 13163207.9/47

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: -93.034+/-67.218 χ^2/NDF: 3479.6/24

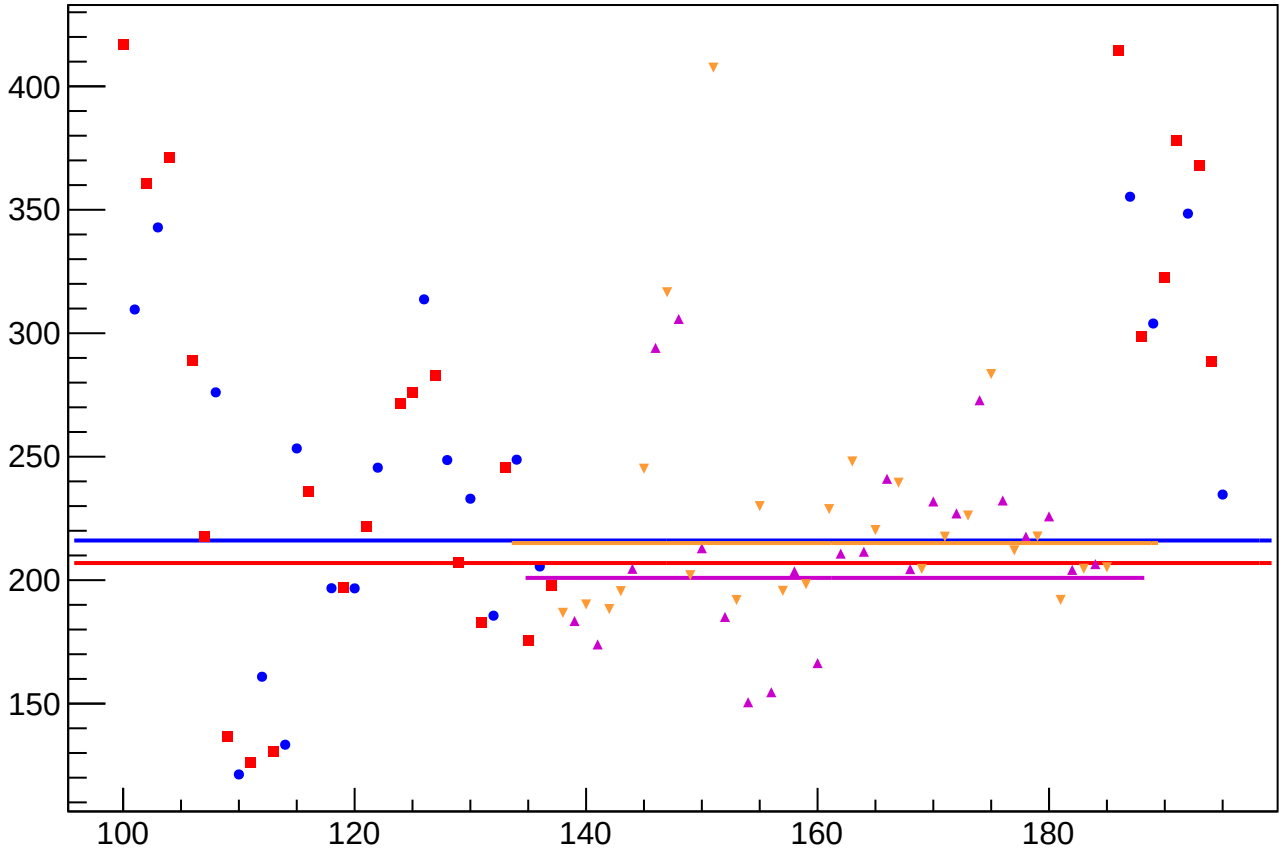
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 317.598+/-41.247 χ^2/NDF: 3382.0/44

All: 1.703+/-28.455 χ^2/NDF: 8239.2/92

- sign -285.164+/-39.307 χ^2/NDF: 4745.3/47

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: 206.932+/-0.048 χ^2/NDF: 2648356.2/24

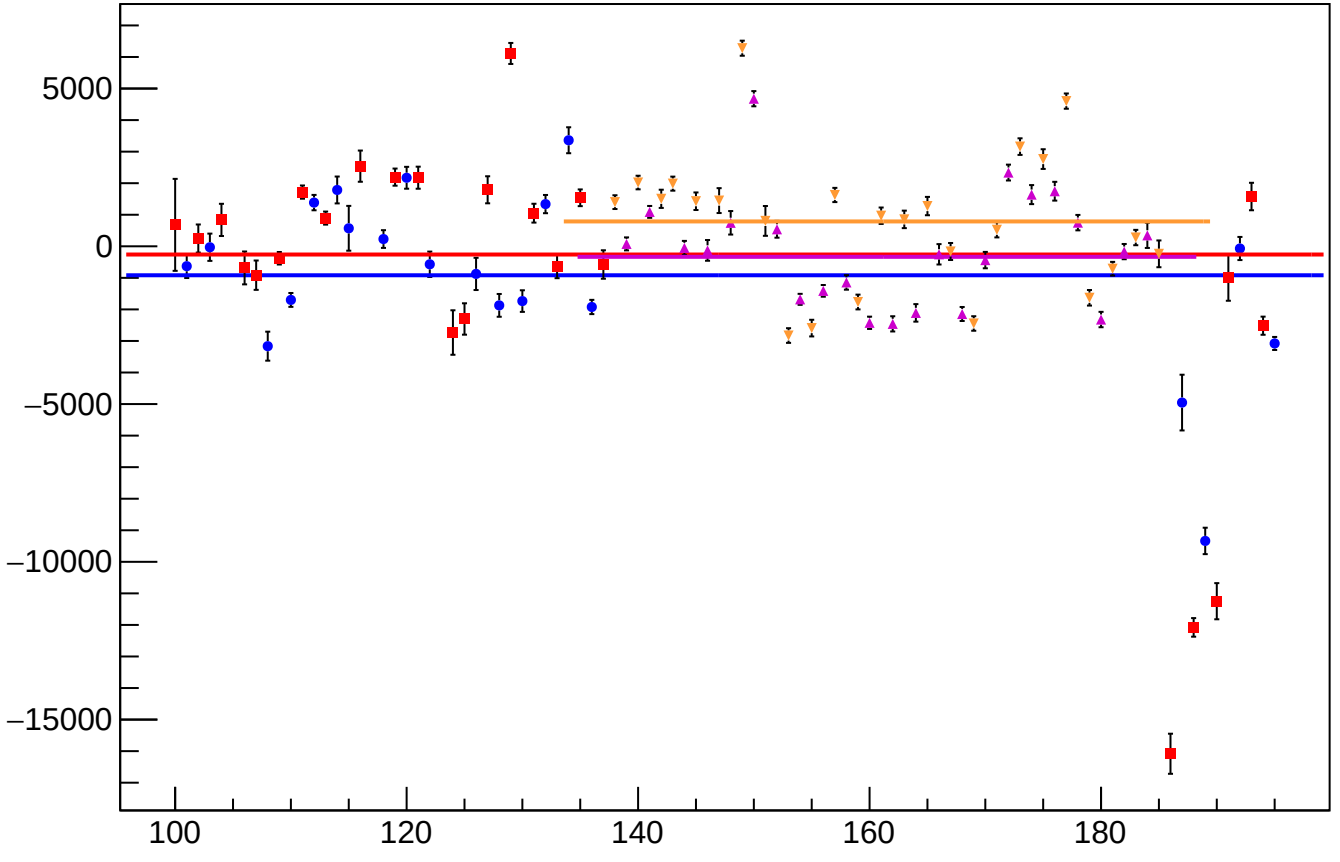
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 215.356+/-0.029 χ^2/NDF: 2459878.4/44

All: 208.867+/-0.020 χ^2/NDF: 6319079.2/92

- sign 202.974+/-0.028 χ^2/NDF: 3764736.5/47

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: -260.481+/-69.084 χ^2/NDF: 3453.6/24

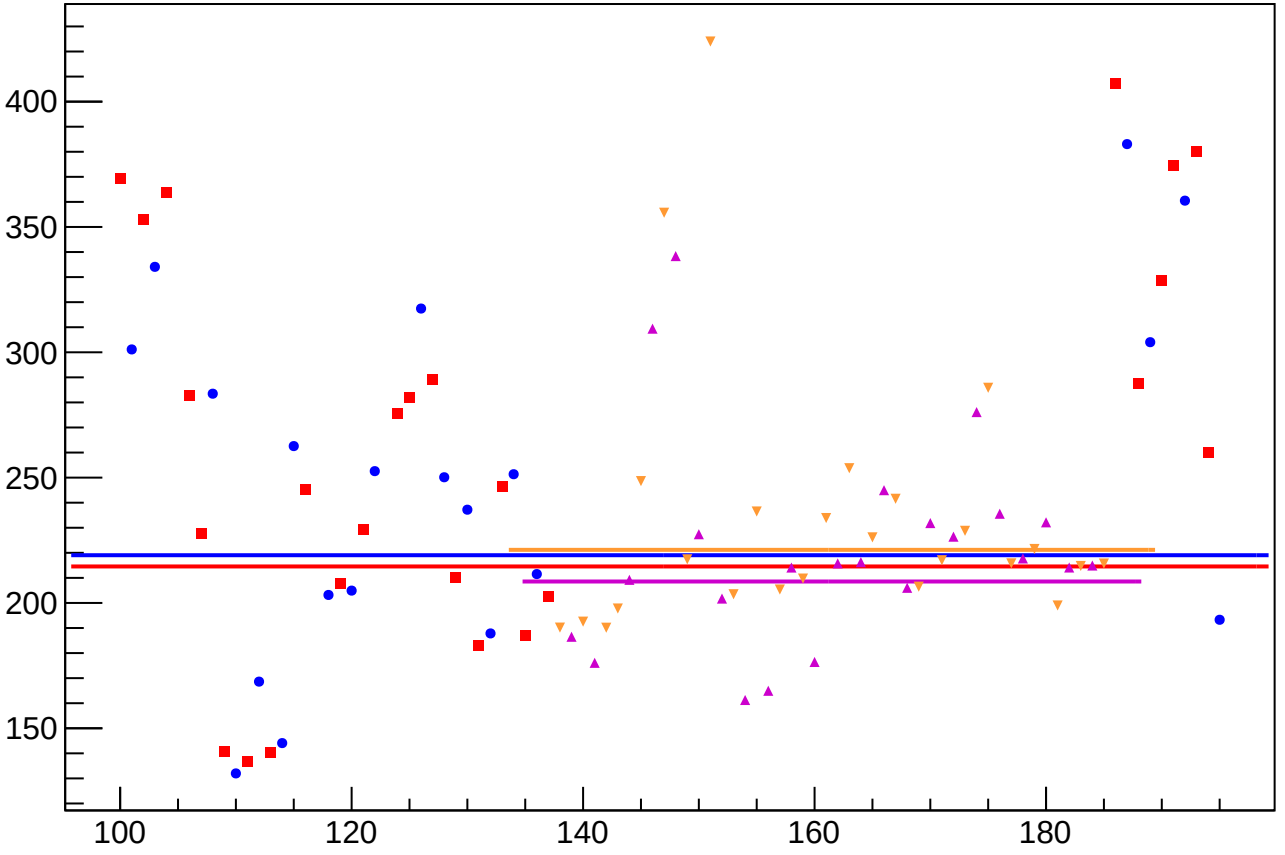
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 227.996+/-42.146 χ^2/NDF: 3265.5/44

All: -50.036+/-29.243 χ^2/NDF: 8019.0/92

- sign -308.143+/-40.608 χ^2/NDF: 4669.5/47

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: 214.558+/-0.049 χ^2/NDF: 2234015.4/24

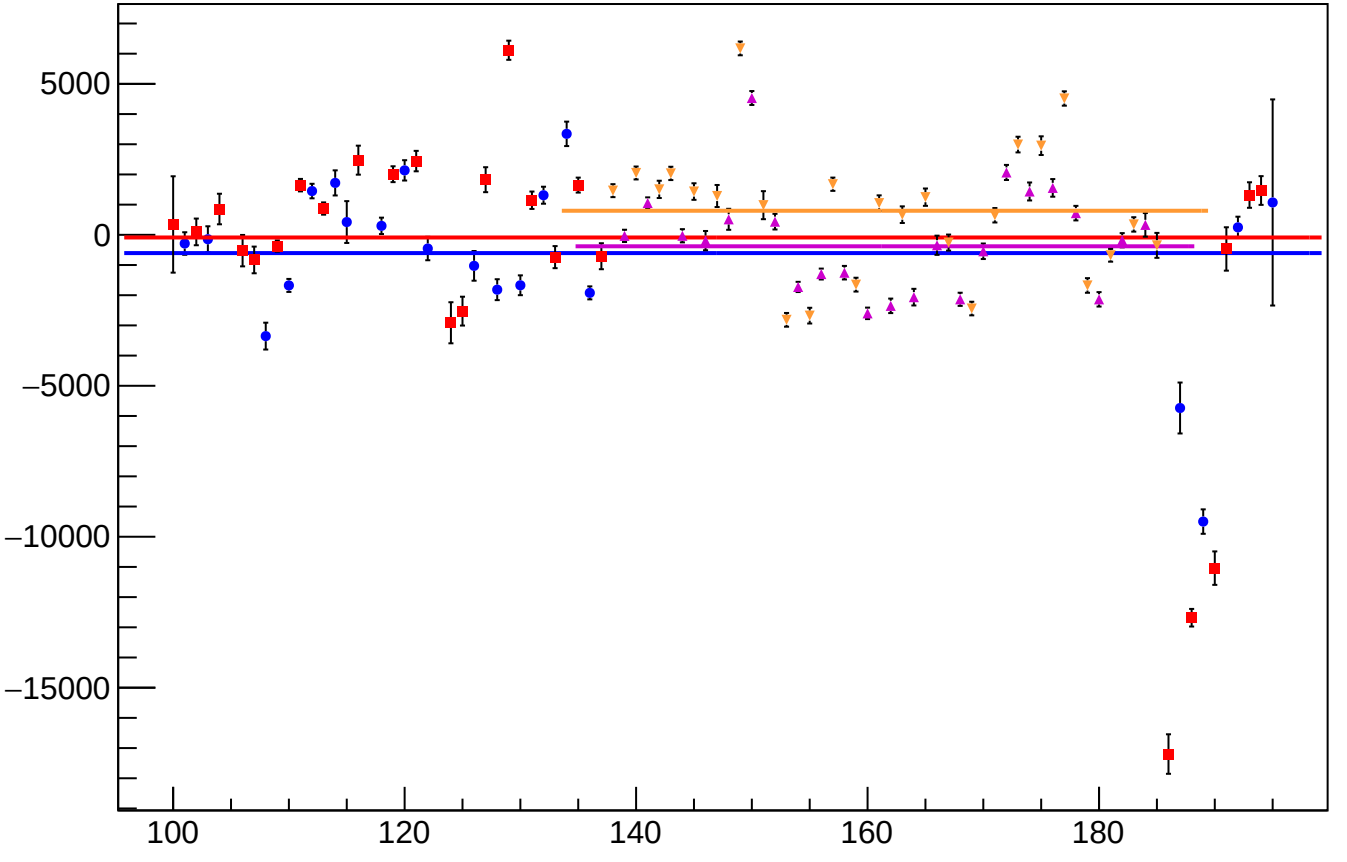
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 220.482+/-0.030 χ^2/NDF: 2323325.8/44

All: 215.373+/-0.021 χ^2/NDF: 5659538.1/92

- sign 210.630+/-0.029 χ^2/NDF: 3279533.3/47

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: -87.791+/-68.185 χ^2/NDF: 3730.1/24

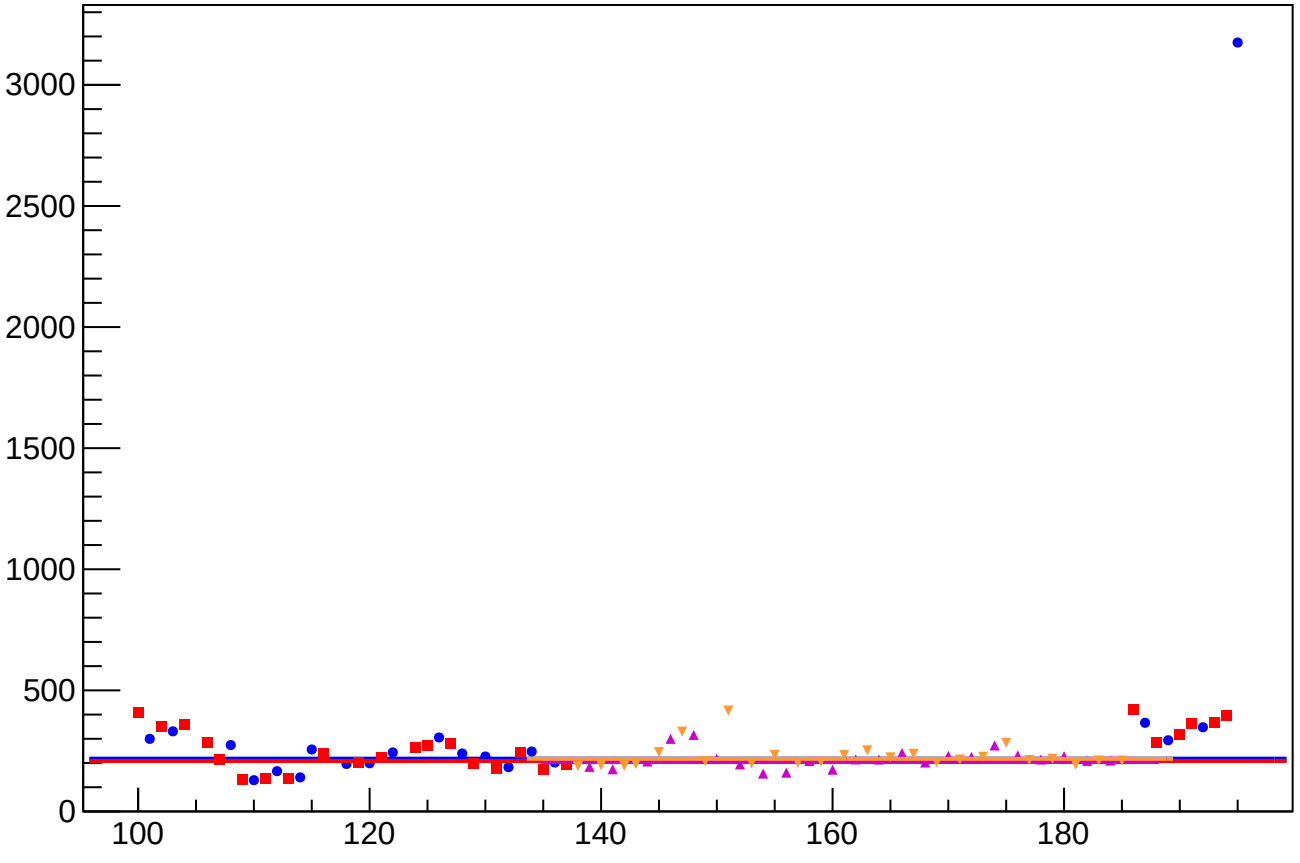
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.744+/-42.138 χ^2/NDF: 3171.7/44

All: 28.163+/-28.968 χ^2/NDF: 8241.2/92

- sign -279.716+/-39.889 χ^2/NDF: 4943.4/47

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: 208.205+/-0.048 χ^2/NDF: 2611043.4/24

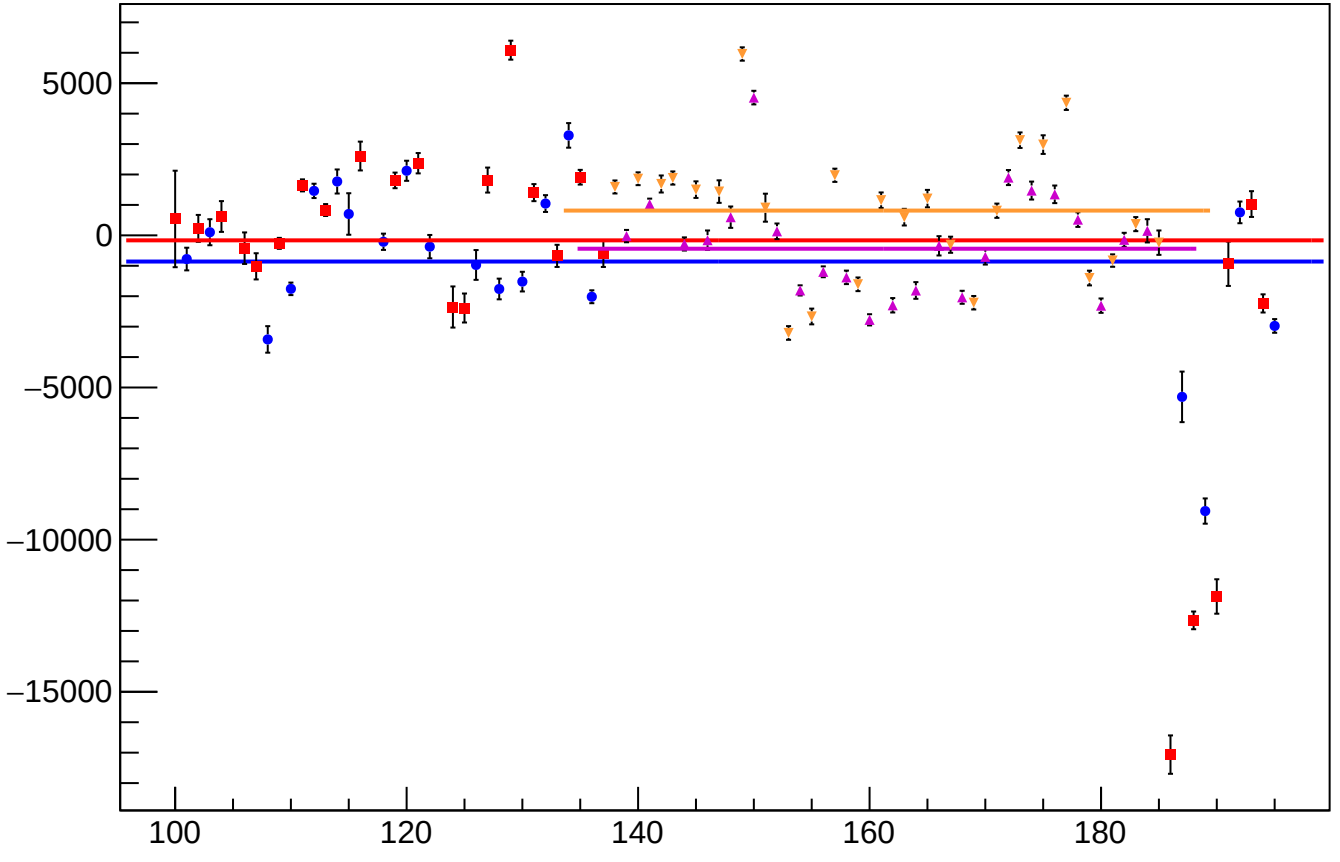
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.453+/-0.030 χ^2/NDF: 3739300.8/44

All: 211.224+/-0.020 χ^2/NDF: 7452565.0/92

- sign 205.642+/-0.028 χ^2/NDF: 3630388.8/47

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: -164.330+/-65.723 χ^2/NDF: 3876.3/24

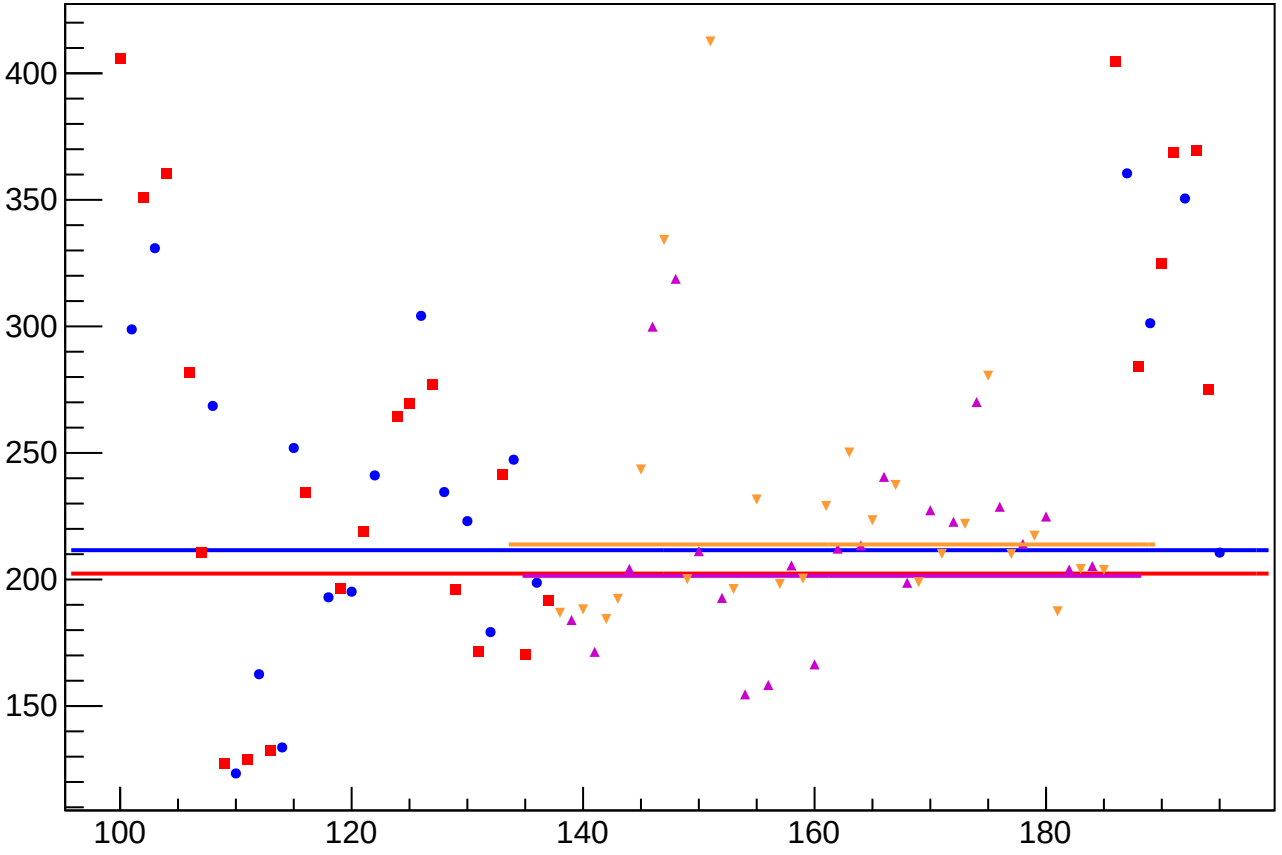
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 265.421+/-40.800 χ^2/NDF: 3388.1/44

All: -51.912+/-28.208 χ^2/NDF: 8626.6/92

- sign -342.505+/-39.043 χ^2/NDF: 5122.7/47

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

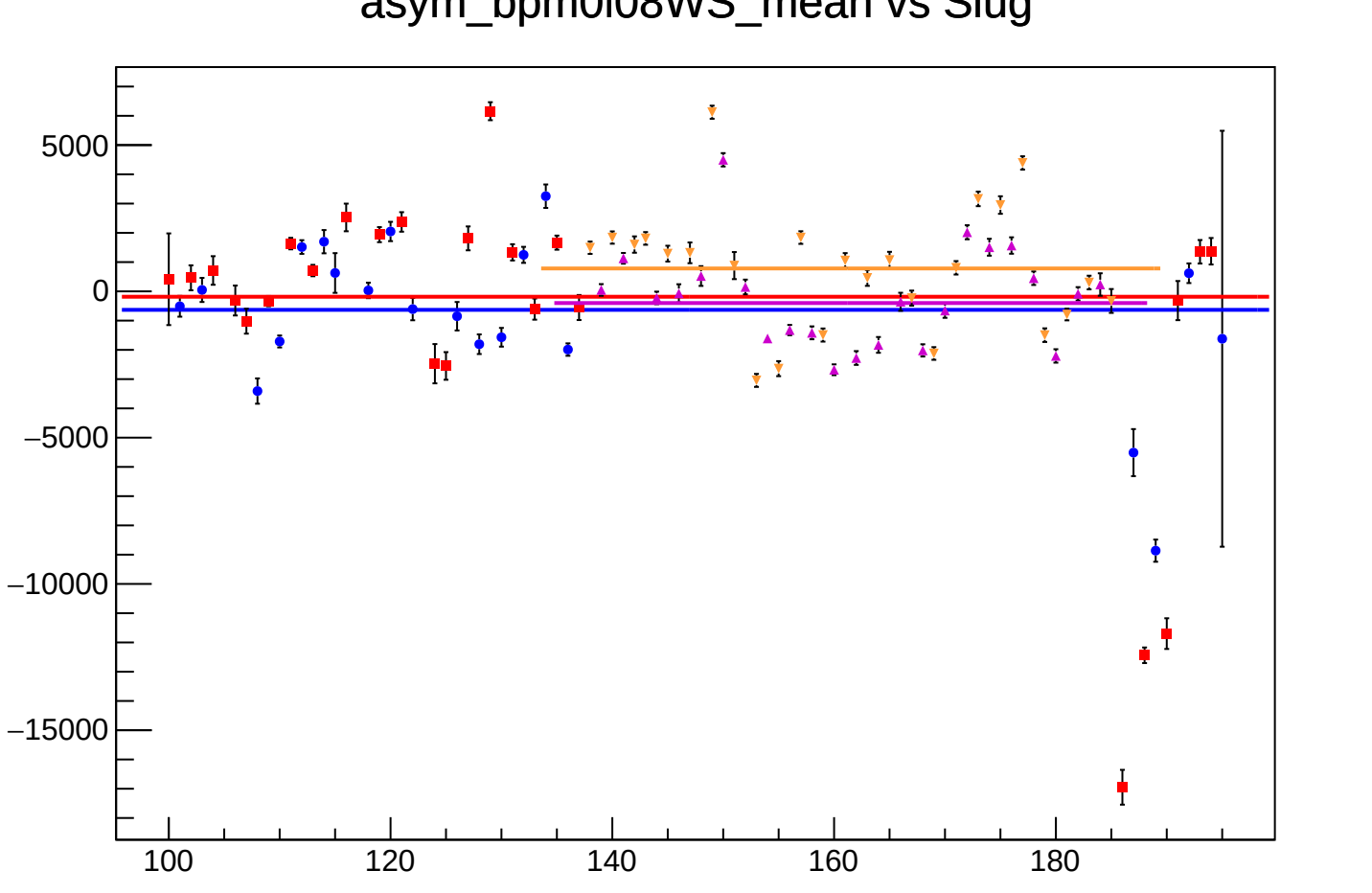
Right Out: 202.336+/-0.046 χ^2/NDF: 2595026.7/24

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 213.105+/-0.029 χ^2/NDF: 2426154.3/44

All: 207.183+/-0.020 χ^2/NDF: 6164112.8/92

- sign 201.760+/-0.028 χ^2/NDF: 3657236.3/47



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: -184.102+/-65.481 χ^2/NDF: 4271.9/24

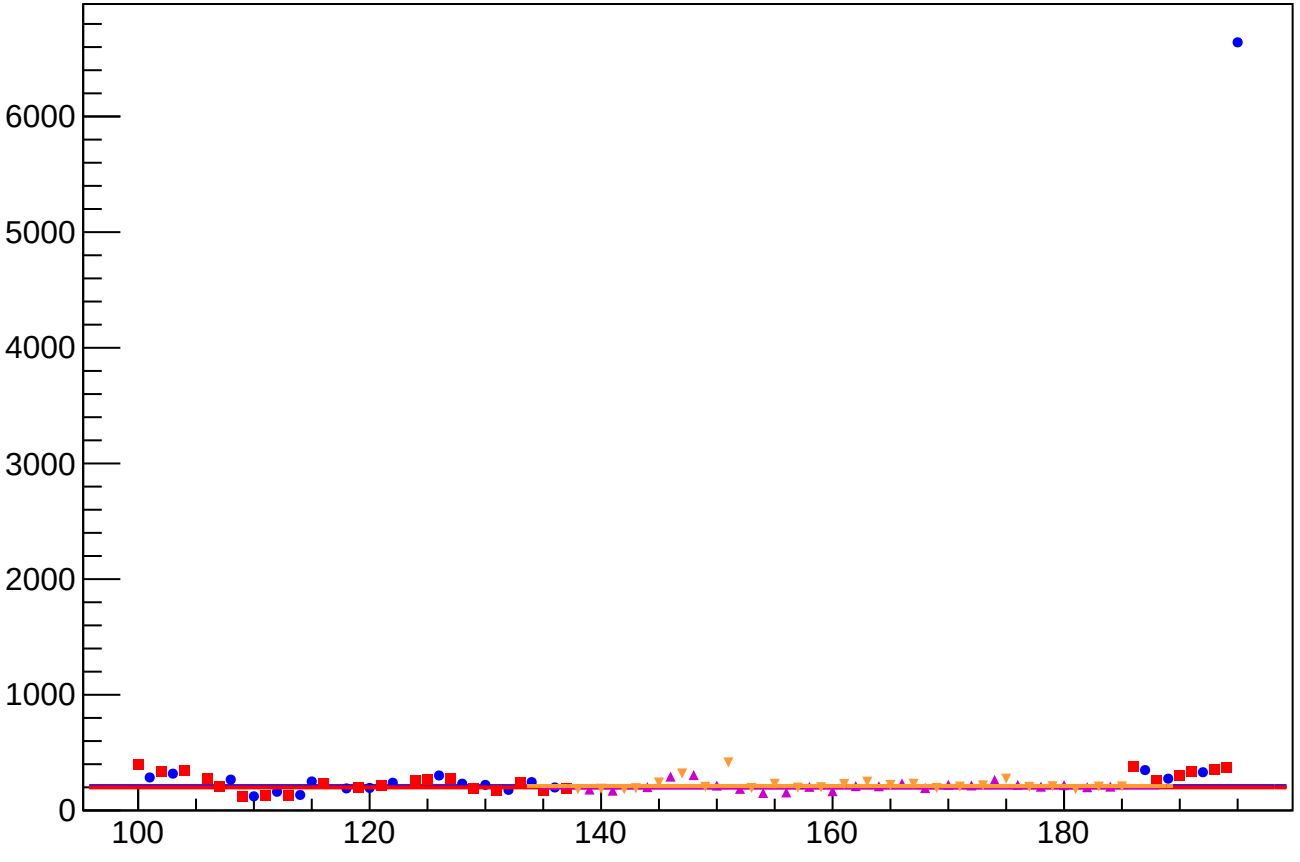
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.238+/-40.981 χ^2/NDF: 3246.9/44

All: -7.763+/-28.105 χ^2/NDF: 8901.2/92

- sign -324.777+/-38.618 χ^2/NDF: 5511.0/47

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: 199.523+/-0.046 χ^2/NDF: 2587029.5/24

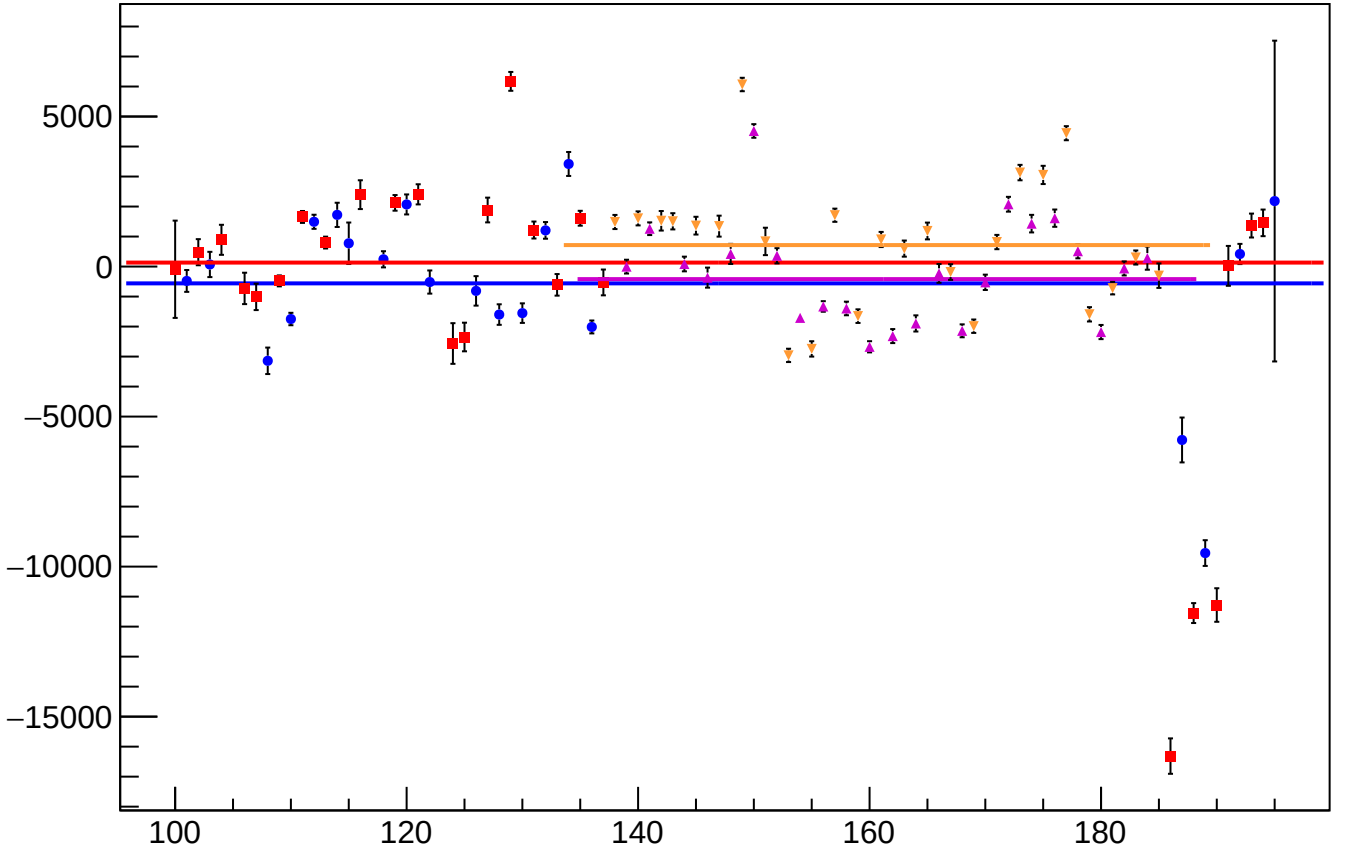
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.091+/-0.029 χ^2/NDF: 3901671.9/44

All: 204.619+/-0.020 χ^2/NDF: 7589646.3/92

- sign 198.872+/-0.027 χ^2/NDF: 3593791.7/47

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: 132.262+/-67.315 χ^2/NDF: 3158.5/24

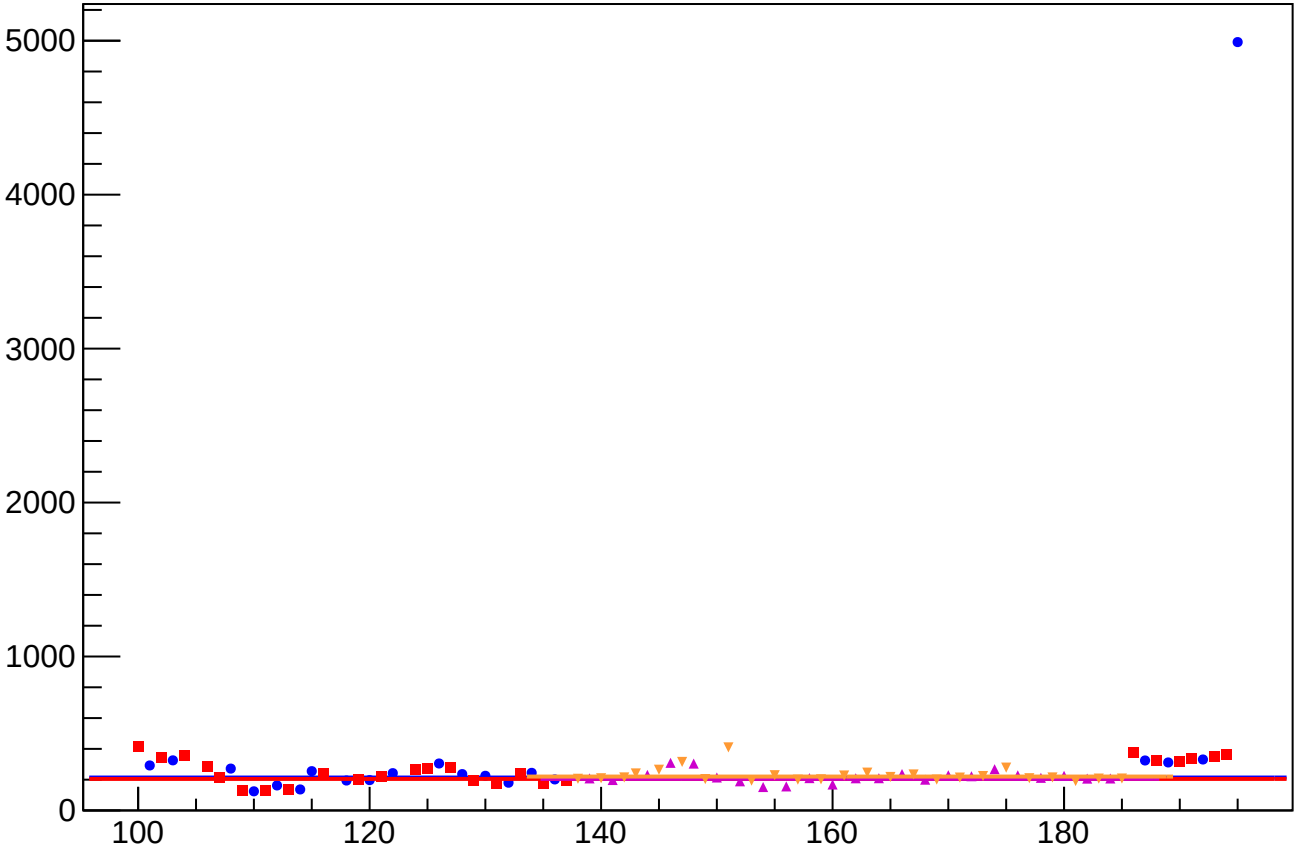
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

\+ sign 313.101+/-42.286 χ^2/NDF: 3067.9/44

All: 28.307+/-29.017 χ^2/NDF: 7596.5/92

\- sign -225.134+/-39.891 χ^2/NDF: 4442.9/47

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: 204.865+/-0.048 χ^2/NDF: 2674725.1/24

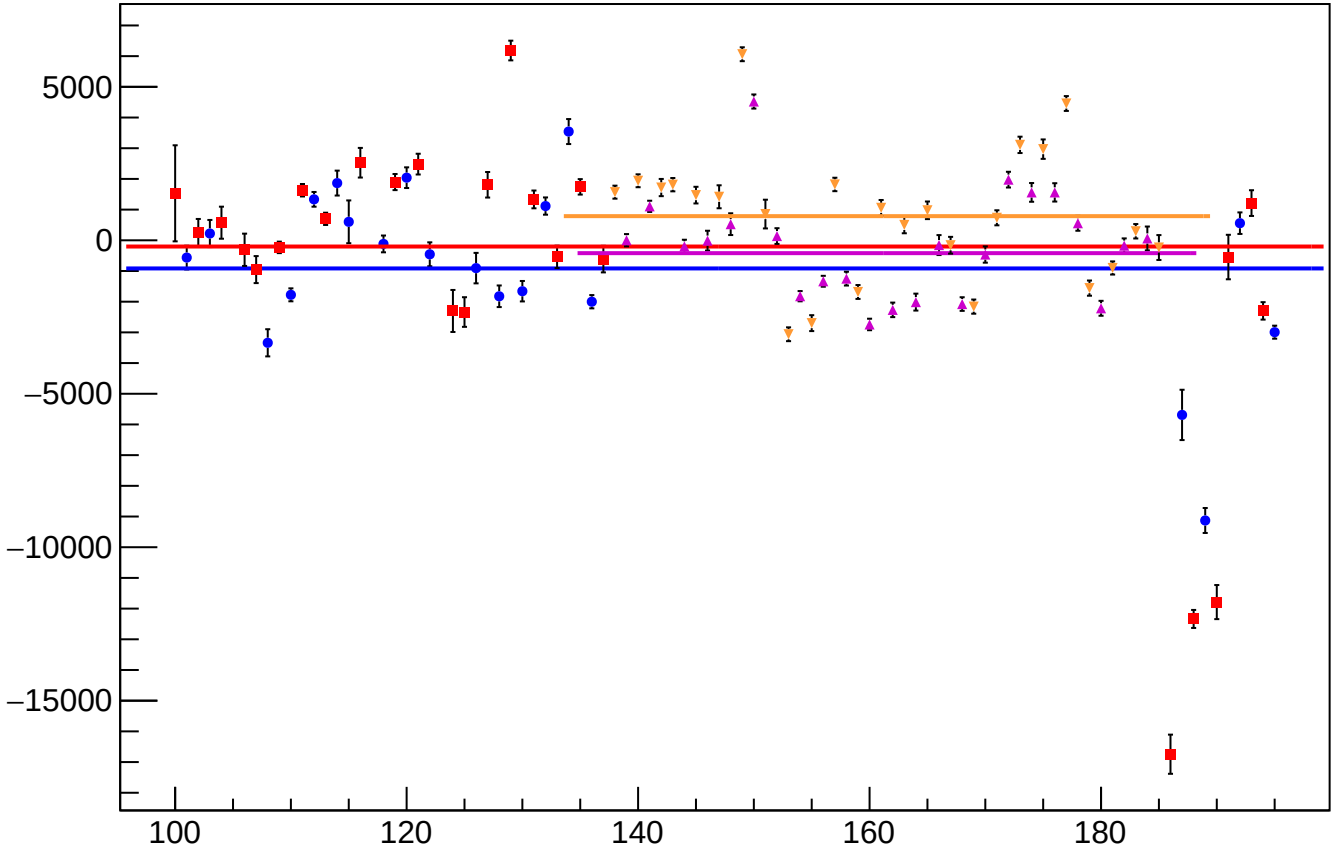
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 218.136+/-0.030 χ^2/NDF: 3769169.5/44

All: 211.326+/-0.021 χ^2/NDF: 7556002.7/92

- sign 205.265+/-0.028 χ^2/NDF: 3688799.1/47

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: -202.772+/-66.982 χ^2/NDF: 3689.4/24

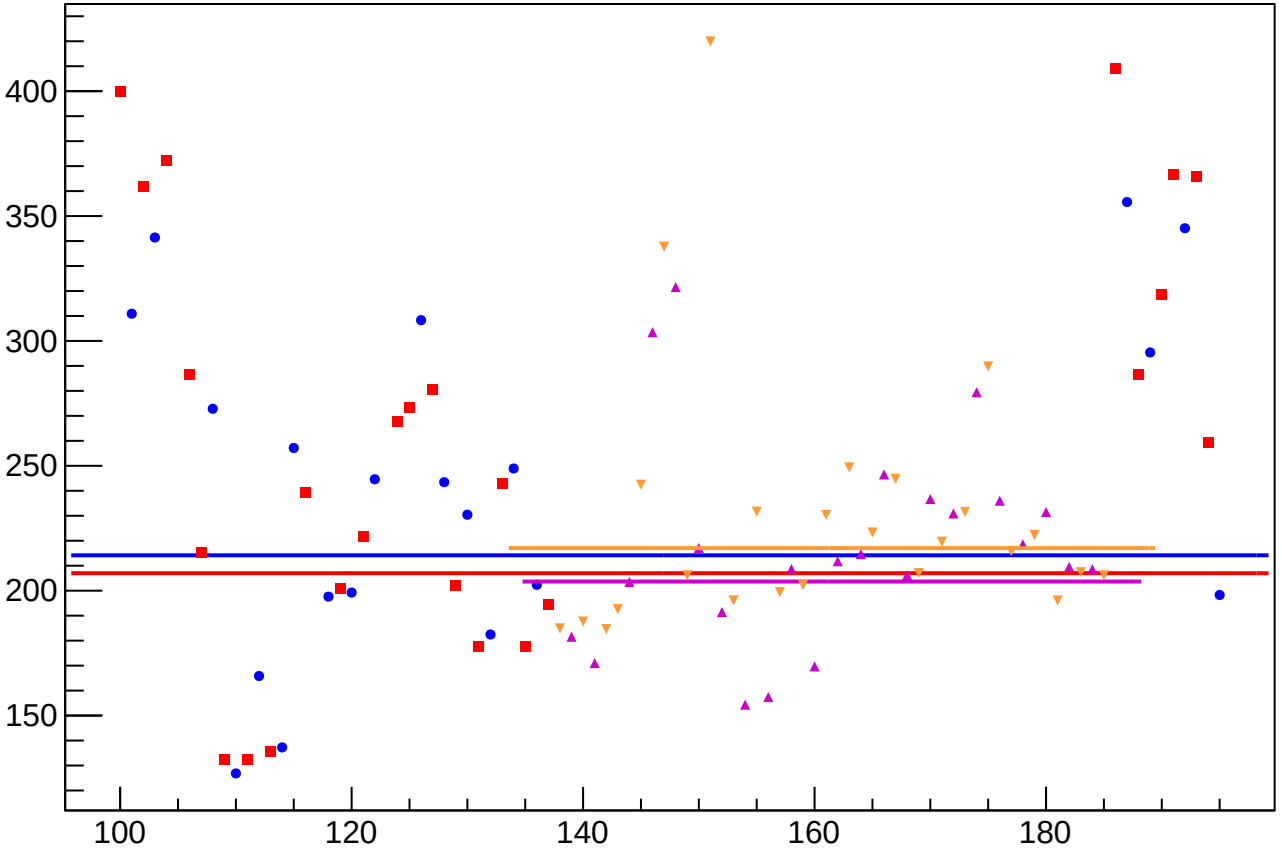
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 225.090+/-41.363 χ^2/NDF: 3357.4/44

All: -71.233+/-28.615 χ^2/NDF: 8362.9/92

- sign -343.205+/-39.627 χ^2/NDF: 4907.1/47

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: 207.009+/-0.047 χ^2/NDF: 2431895.3/24

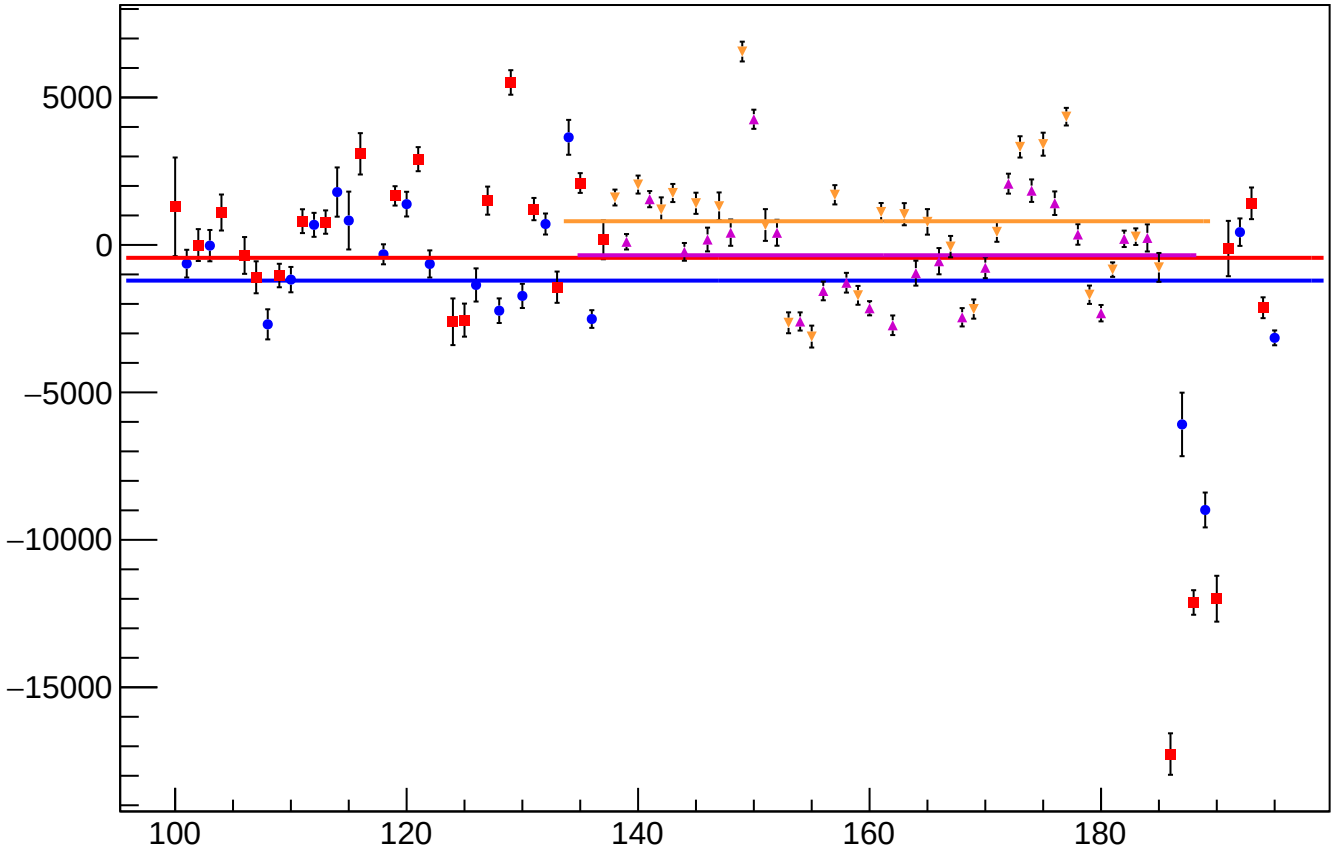
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 216.093+/-0.029 χ^2/NDF: 2403117.6/44

All: 210.221+/-0.020 χ^2/NDF: 6080882.9/92

- sign 204.832+/-0.028 χ^2/NDF: 3600479.7/47

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: -437.318+/-96.506 χ^2/NDF: 2103.1/24

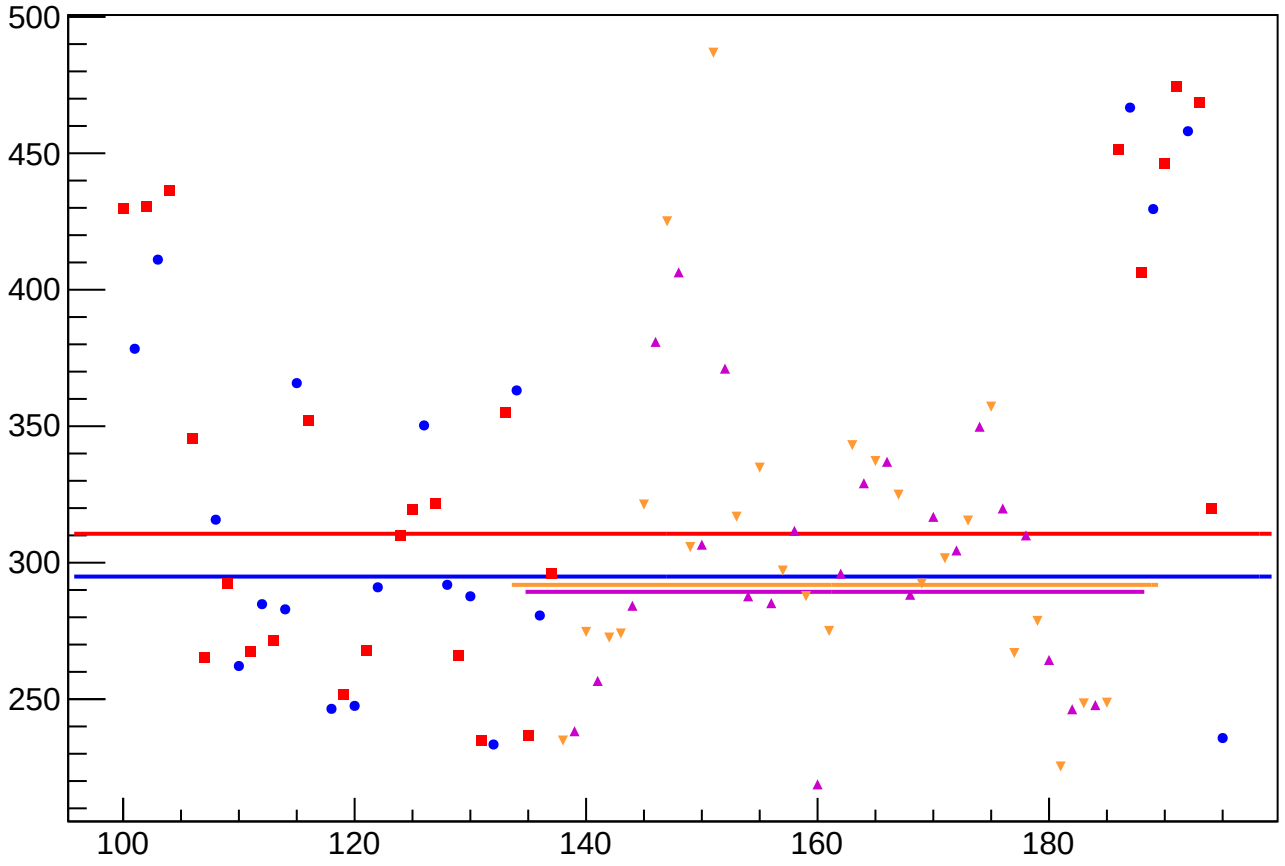
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 146.830+/-55.563 χ^2/NDF: 1835.2/44

All: -113.751+/-39.485 χ^2/NDF: 4639.4/92

- sign -379.591+/-56.121 χ^2/NDF: 2759.8/47

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: 310.597+/-0.068 χ^2/NDF: 1053847.0/24

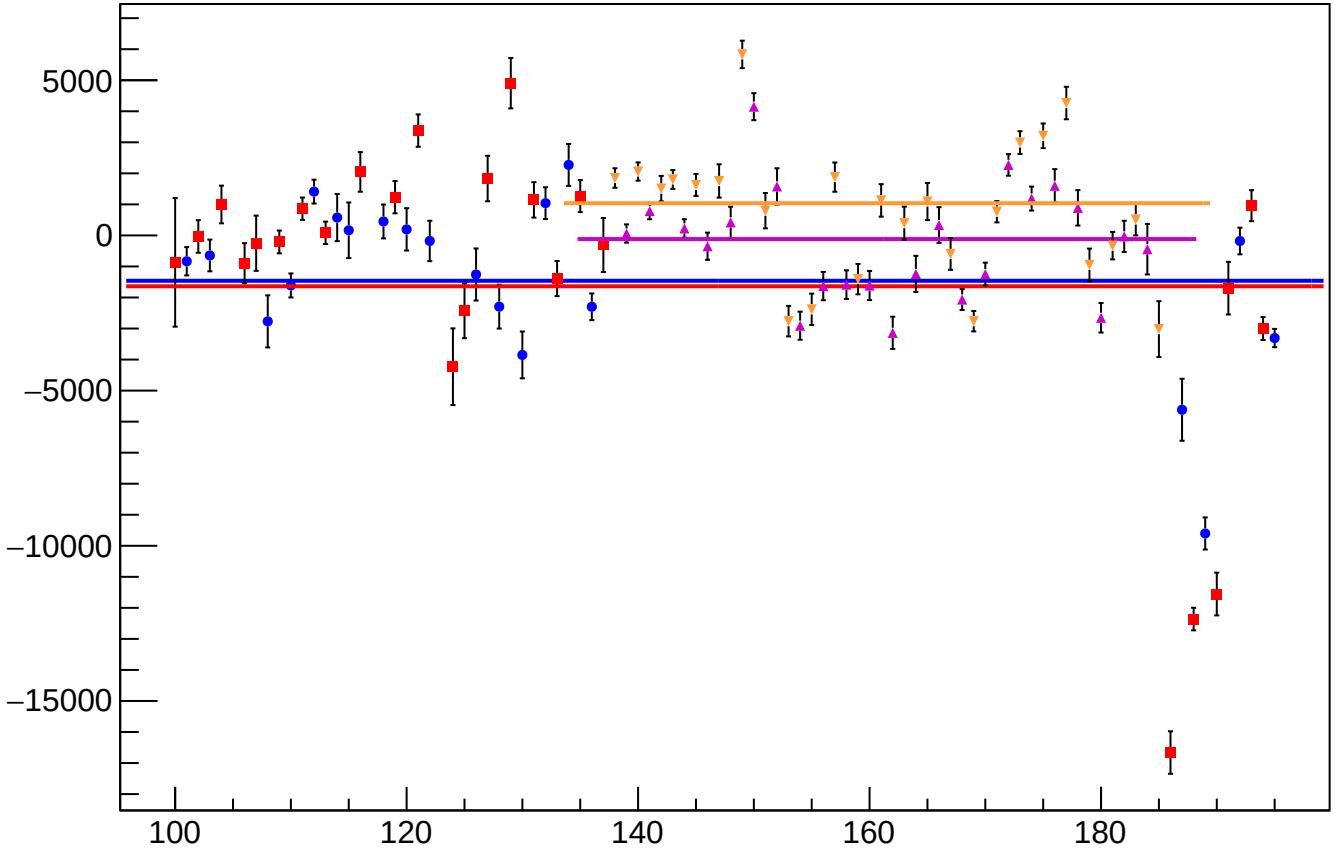
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 292.872+/-0.039 χ^2/NDF: 1834516.0/44

All: 294.676+/-0.028 χ^2/NDF: 3765563.0/92

- sign 296.516+/-0.040 χ^2/NDF: 1926788.4/47

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: -1639.093+/-109.072 χ^2/NDF: 2024.5/24

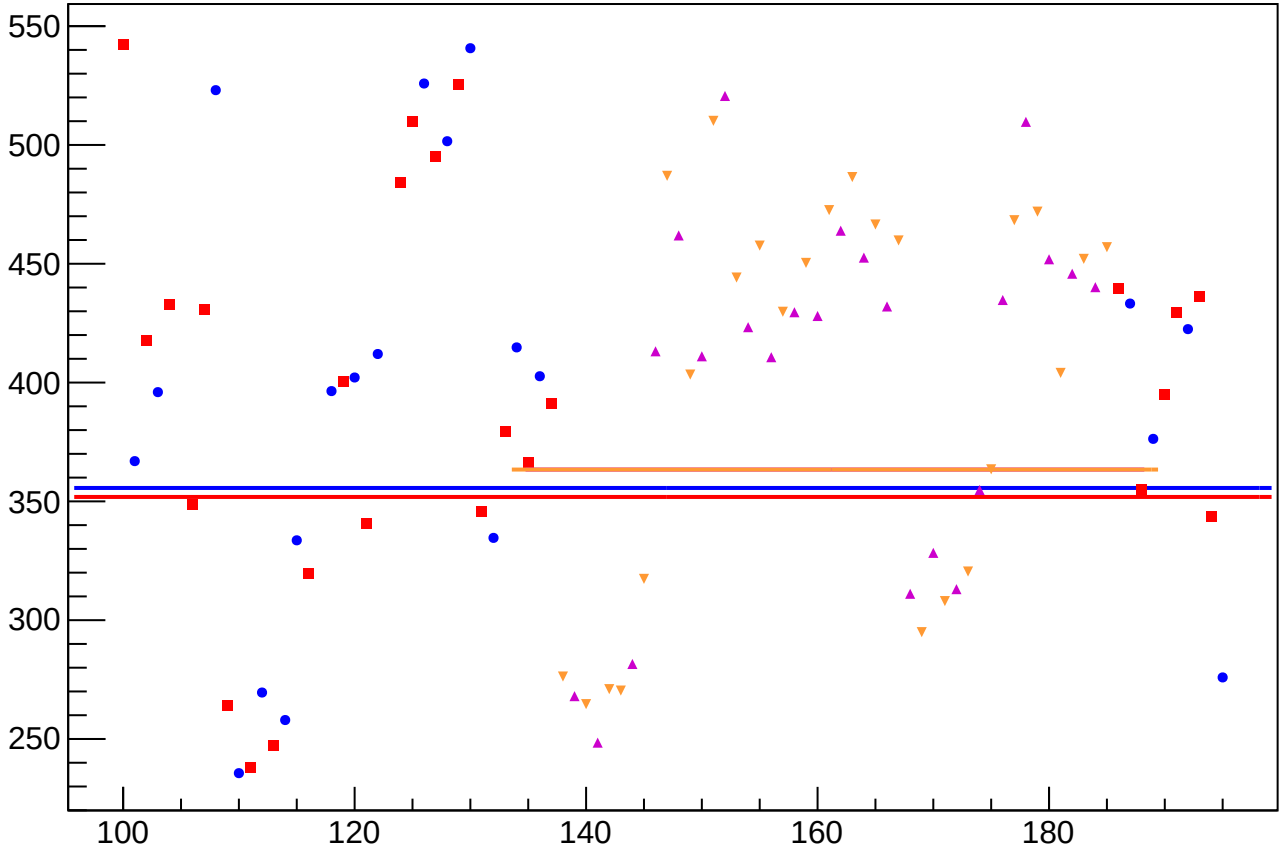
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 174.766+/-68.942 χ^2/NDF: 1344.8/44

All: -273.609+/-48.497 χ^2/NDF: 3941.9/92

- sign -712.807+/-68.233 χ^2/NDF: 2513.4/47

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: 351.859+/-0.077 χ^2/NDF: 987281.1/24

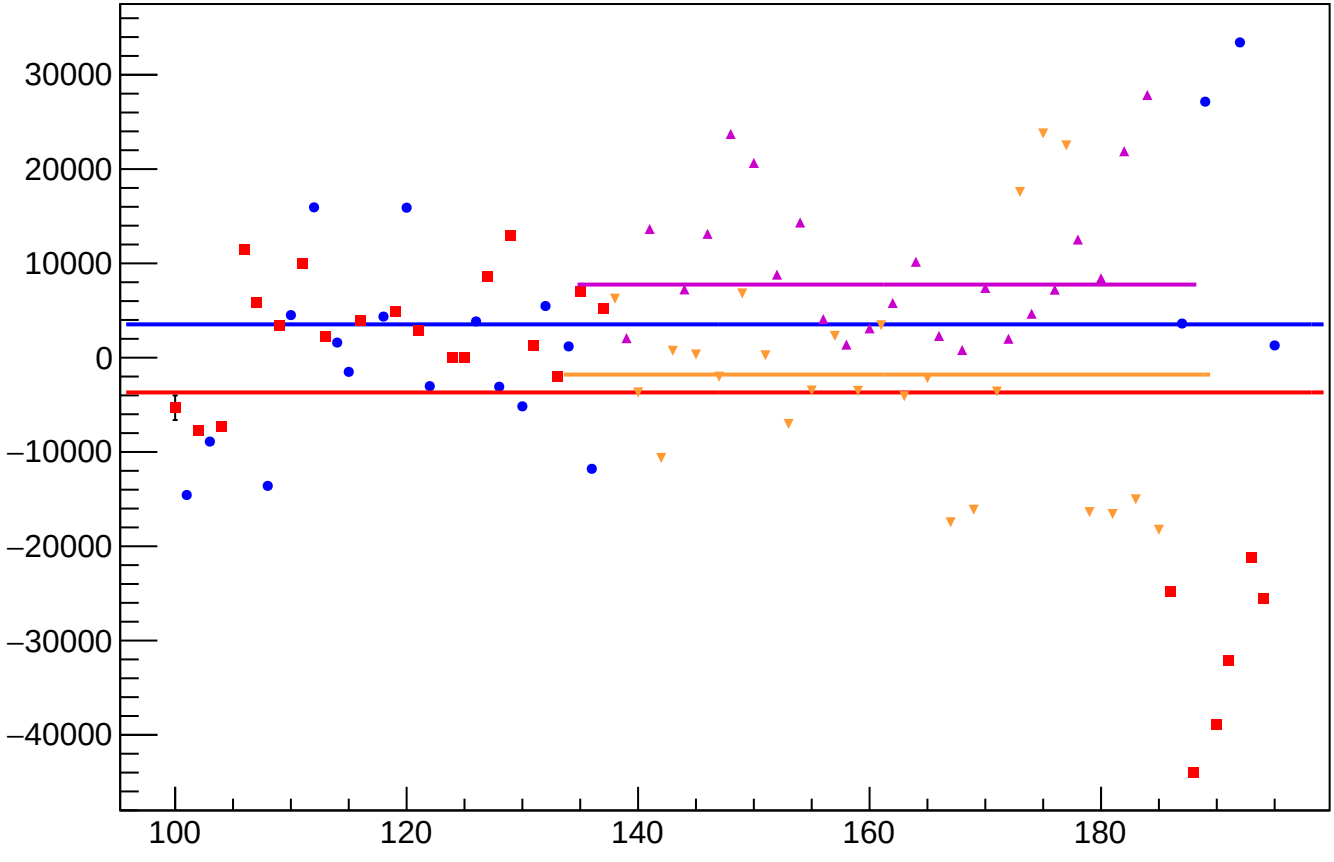
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 360.714+/-0.049 χ^2/NDF: 2943241.2/44

All: 359.785+/-0.034 χ^2/NDF: 5656437.9/92

- sign 358.875+/-0.048 χ^2/NDF: 2712477.7/47

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: -3684.732+/-45.640 χ^2/NDF: 128222.5/24

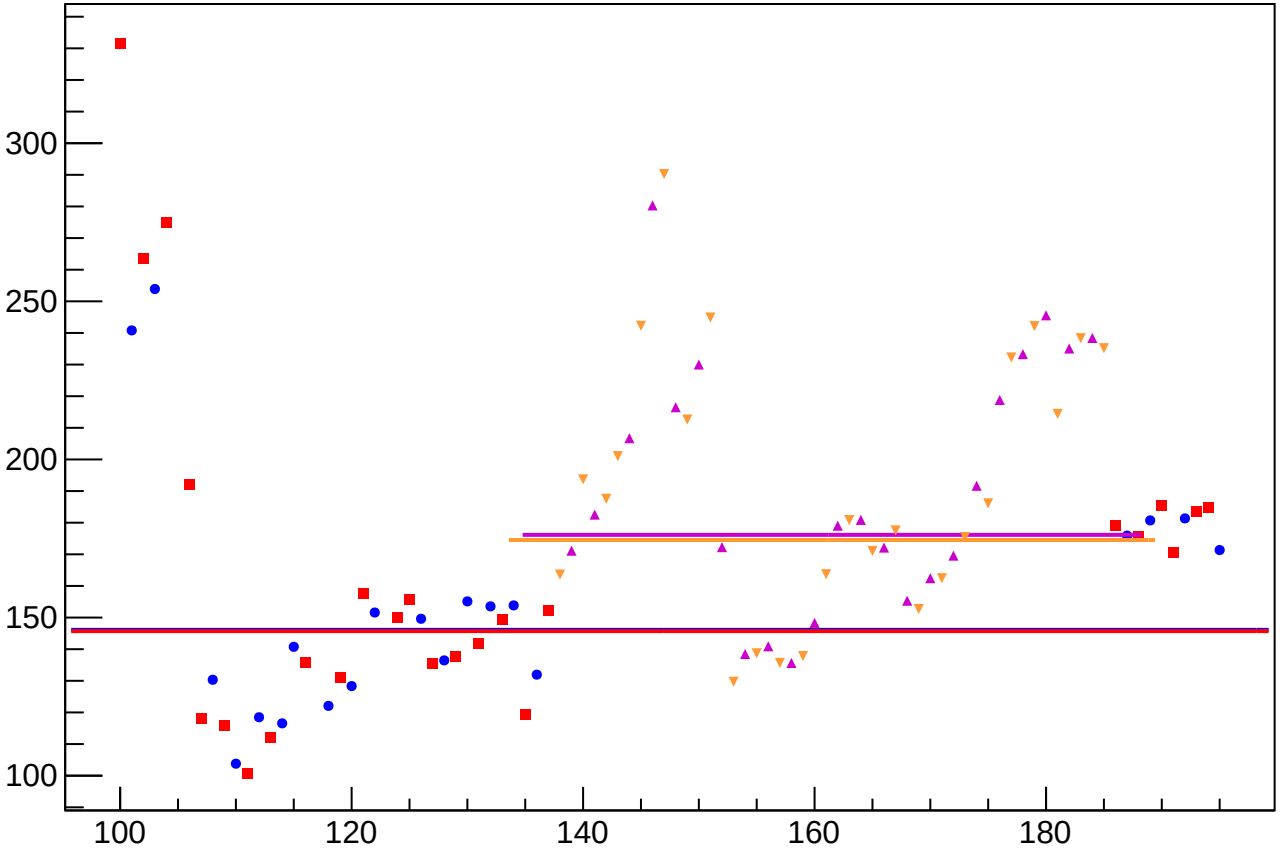
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 411.504+/-31.325 χ^2/NDF: 142959.2/44

All: 1428.189+/-22.081 χ^2/NDF: 330147.0/92

- sign 2432.297+/-31.131 χ^2/NDF: 185094.0/47

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: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

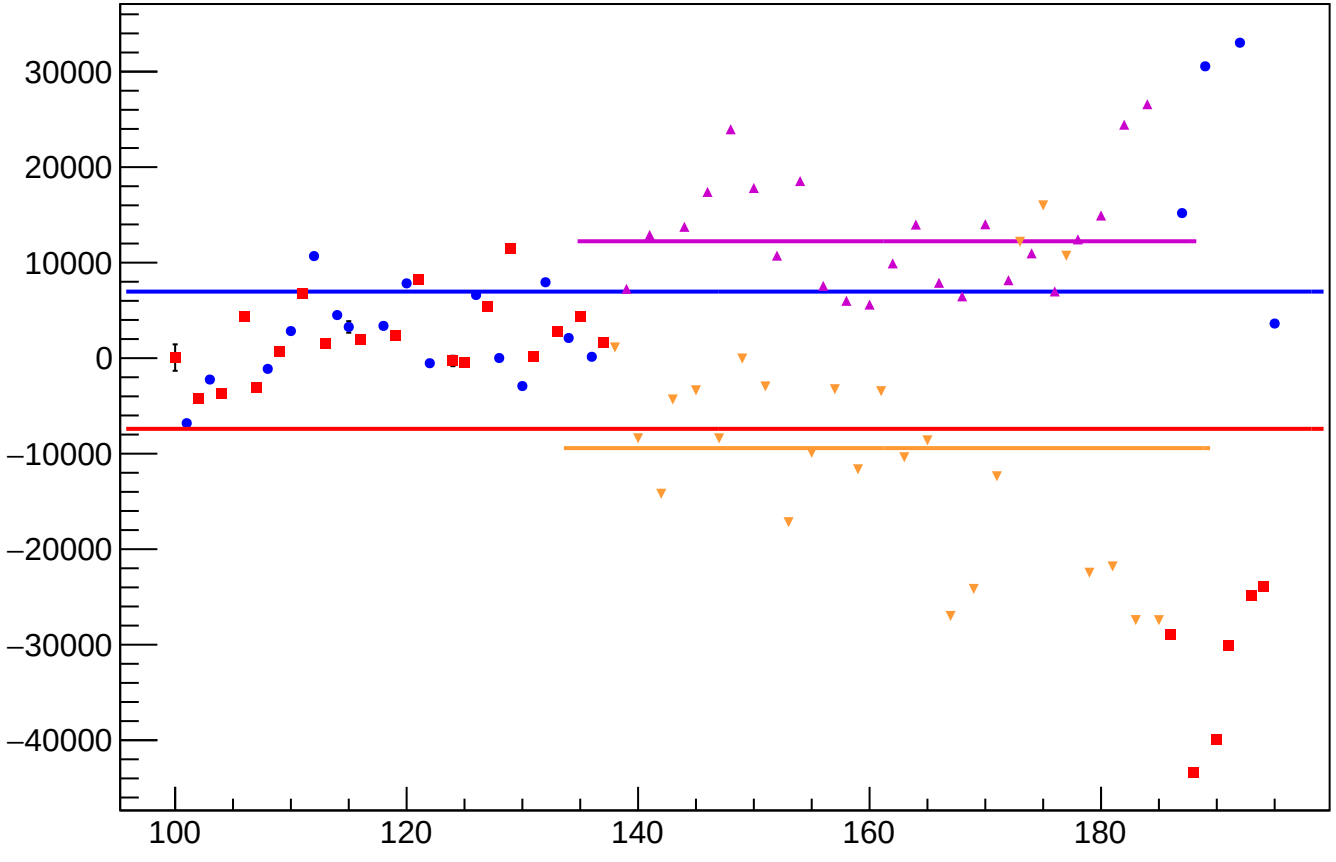
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.769+/-0.022 χ^2/NDF: 2913397.8/44

All: 162.379+/-0.016 χ^2/NDF: 5999550.6/92

- sign 161.994+/-0.022 χ^2/NDF: 3085536.6/47

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: -7399.638+/-54.854 χ^2/NDF: 97520.3/24

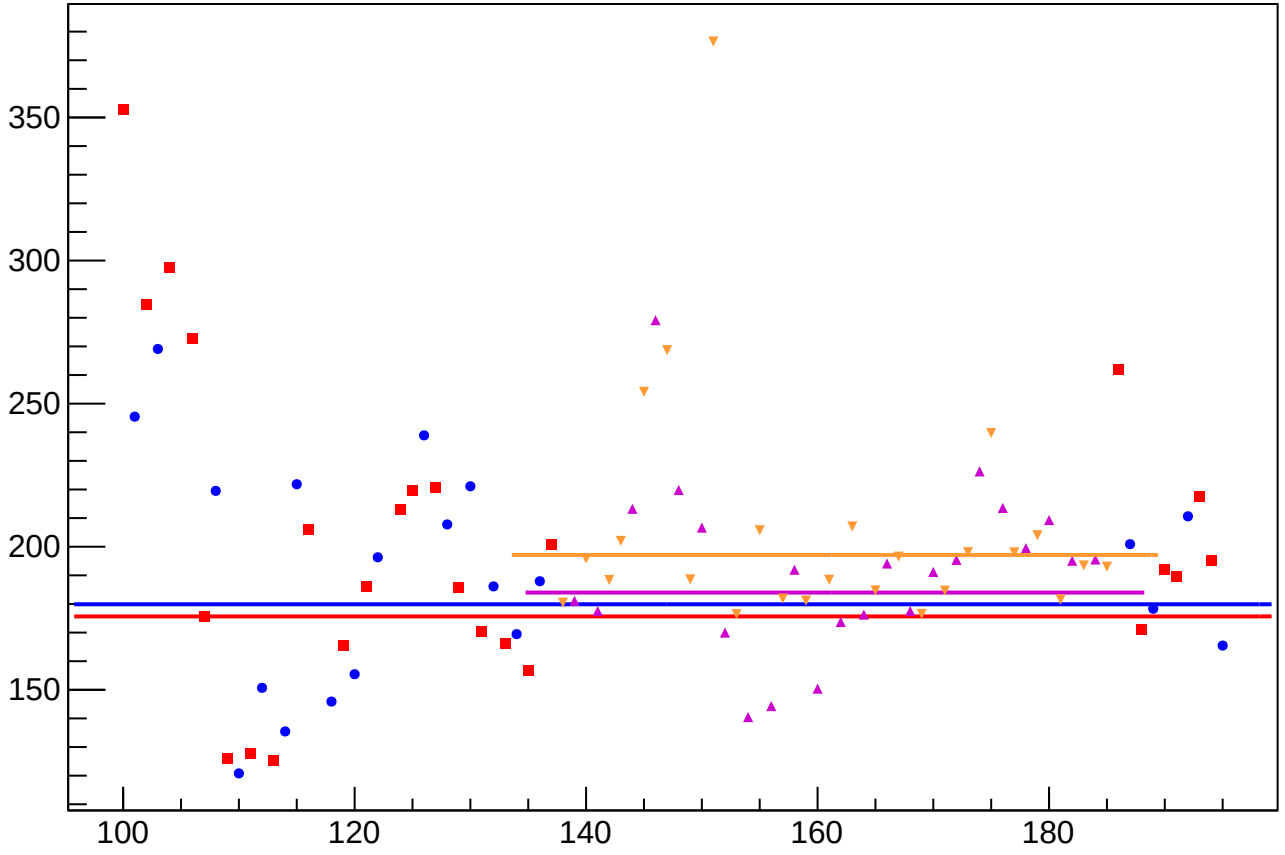
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3327.841+/-36.221 χ^2/NDF: 145008.5/44

All: 790.655+/-24.949 χ^2/NDF: 360865.7/92

- sign 4508.687+/-34.415 χ^2/NDF: 191256.8/47

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: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

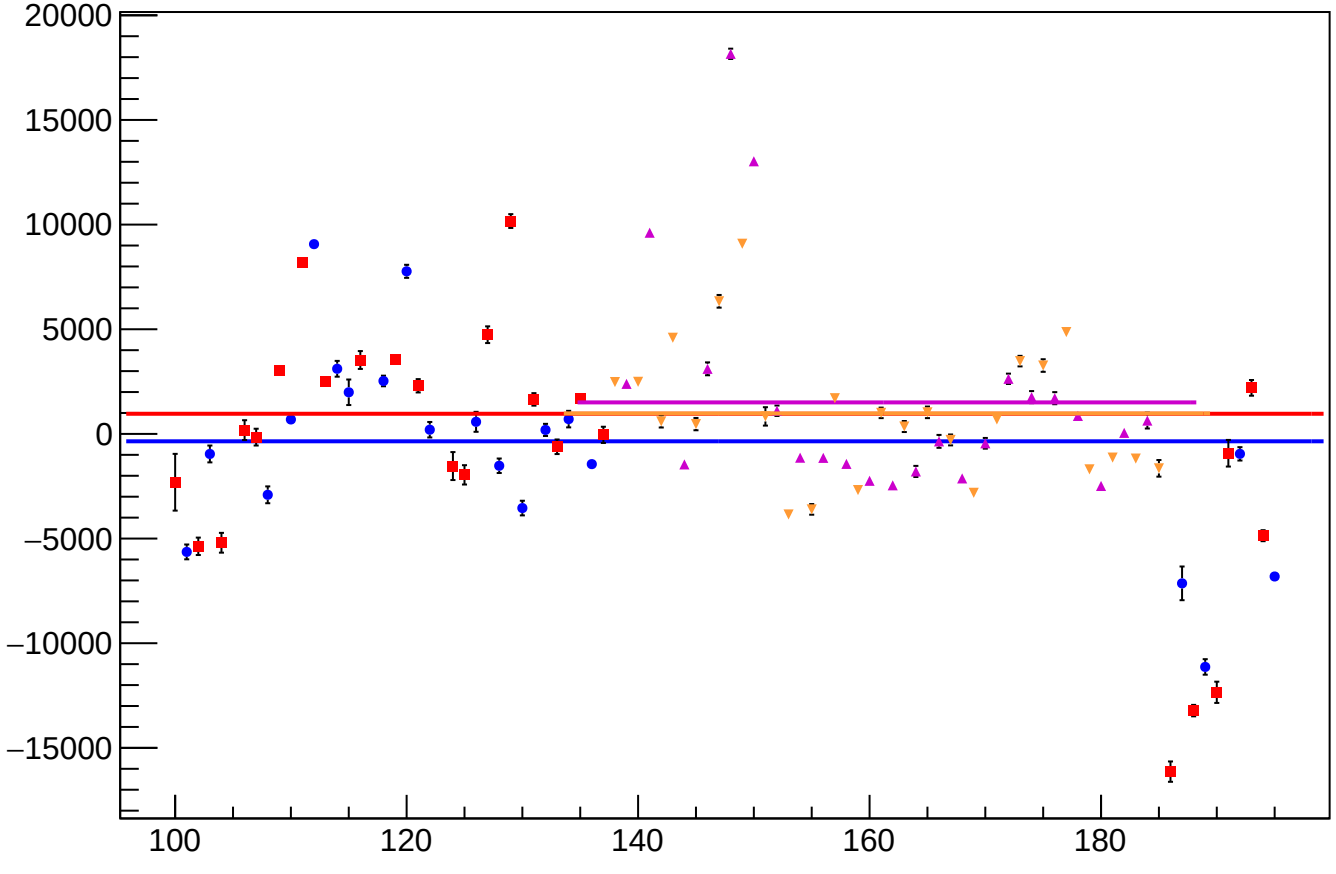
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.715+/-0.026 χ^2/NDF: 1572300.4/44

All: 185.453+/-0.018 χ^2/NDF: 3687394.2/92

- sign 180.703+/-0.024 χ^2/NDF: 2034786.8/47

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: 962.287+/-62.657 χ^2/NDF: 8316.4/24

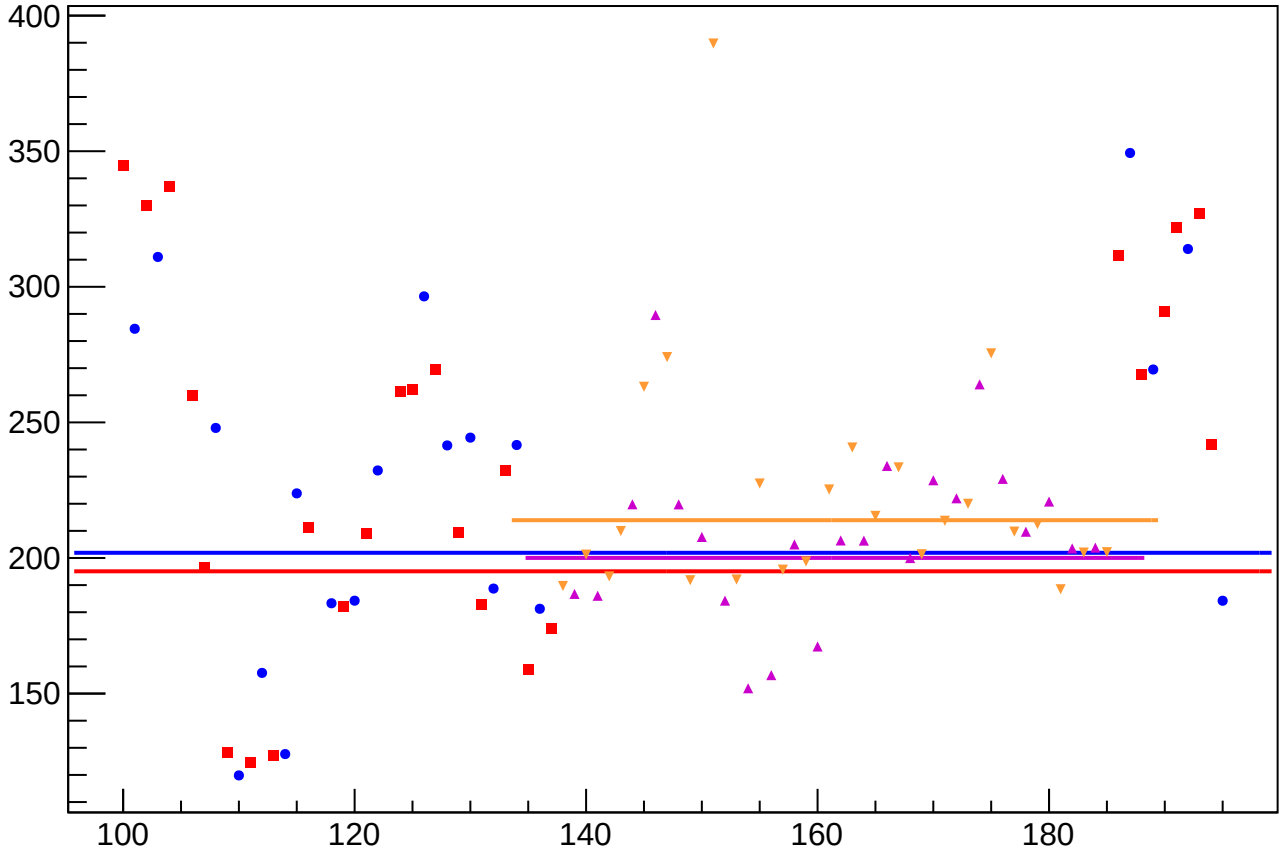
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 513.889+/-40.029 χ^2/NDF: 9617.6/44

All: 928.178+/-27.609 χ^2/NDF: 29666.2/92

- sign 1304.078+/-38.129 χ^2/NDF: 19844.3/47

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: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

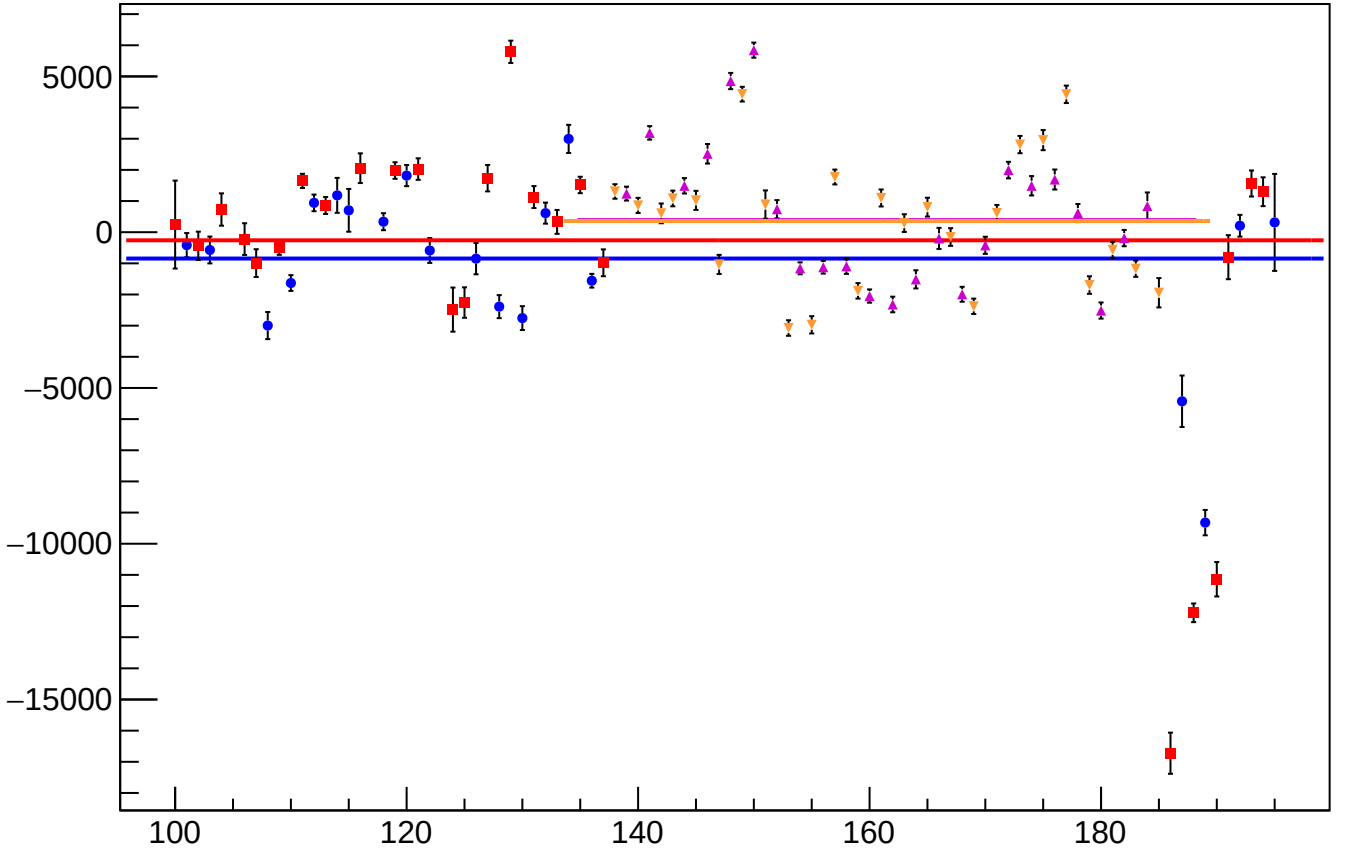
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.739+/-0.028 χ^2/NDF: 2157814.4/44

All: 203.689+/-0.020 χ^2/NDF: 5249527.6/92

- sign 198.200+/-0.027 χ^2/NDF: 3004590.3/47

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: -260.439+/-74.179 χ^2/NDF: 3268.1/24

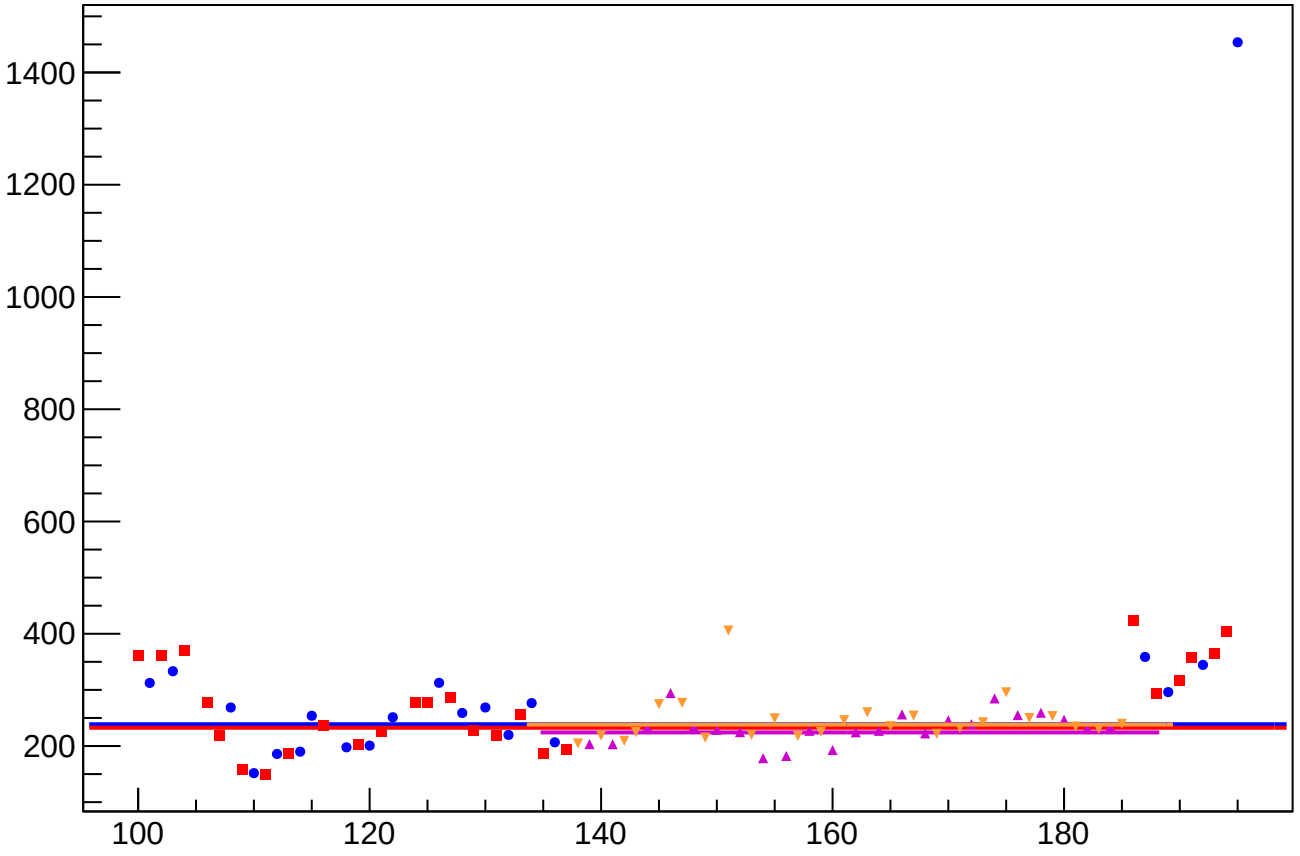
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.636+/-45.652 χ^2/NDF: 2364.8/44

All: 79.373+/-31.457 χ^2/NDF: 7495.3/92

- sign 165.267+/-43.407 χ^2/NDF: 5122.3/47

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: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

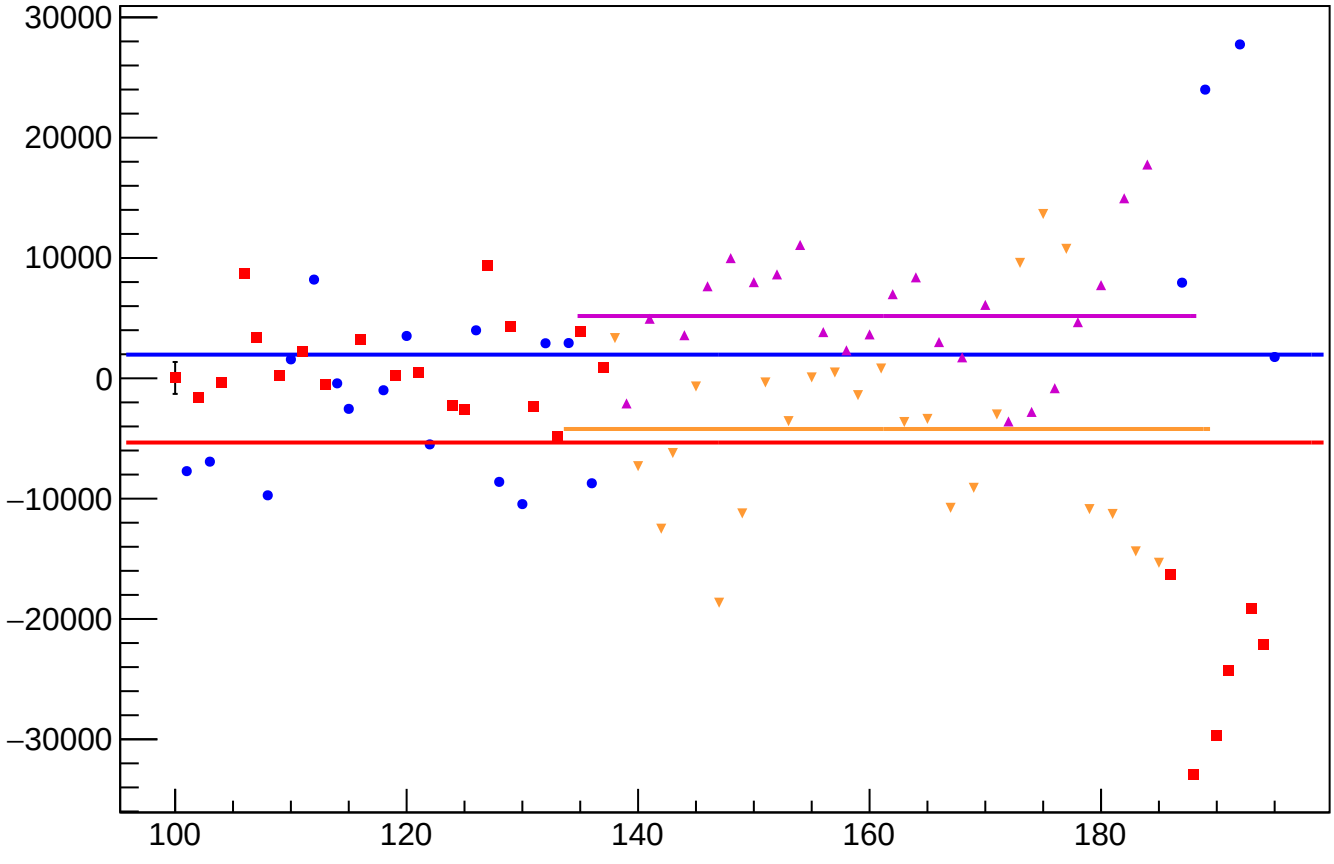
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 238.398+/-0.032 χ^2/NDF: 2757030.6/44

All: 232.448+/-0.022 χ^2/NDF: 5303619.2/92

- sign 227.069+/-0.031 χ^2/NDF: 2481906.5/47

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: -5335.781+/-38.499 χ^2/NDF: 101168.4/24

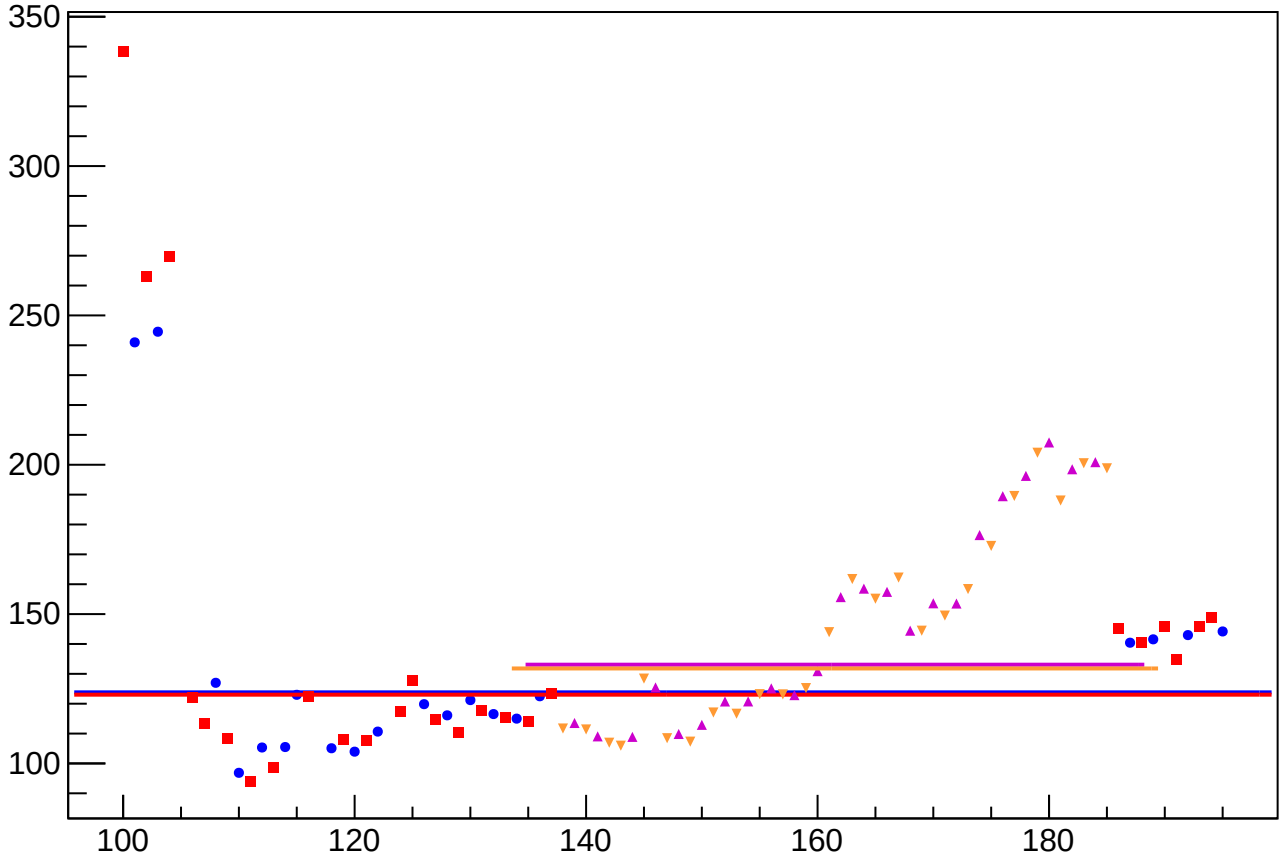
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2007.594+/-24.730 χ^2/NDF: 139581.5/44

All: -552.296+/-17.439 χ^2/NDF: 310322.8/92

- sign 887.180+/-24.595 χ^2/NDF: 163852.8/47

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: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

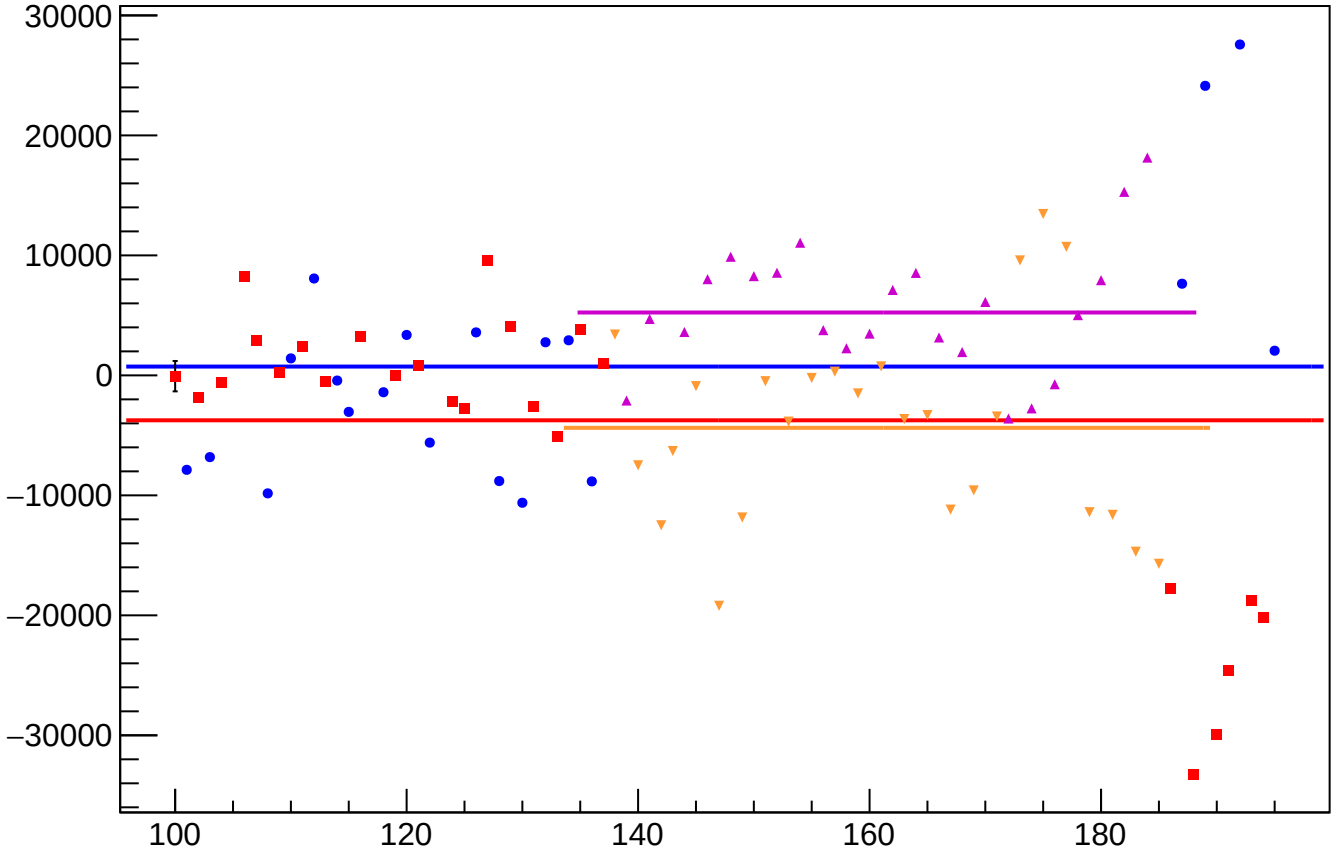
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.946+/-0.017 χ^2/NDF: 2442659.4/44

All: 128.956+/-0.012 χ^2/NDF: 5020607.3/92

- sign 128.965+/-0.017 χ^2/NDF: 2577947.3/47

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: -3745.150+/-34.042 χ^2/NDF: 108918.5/24

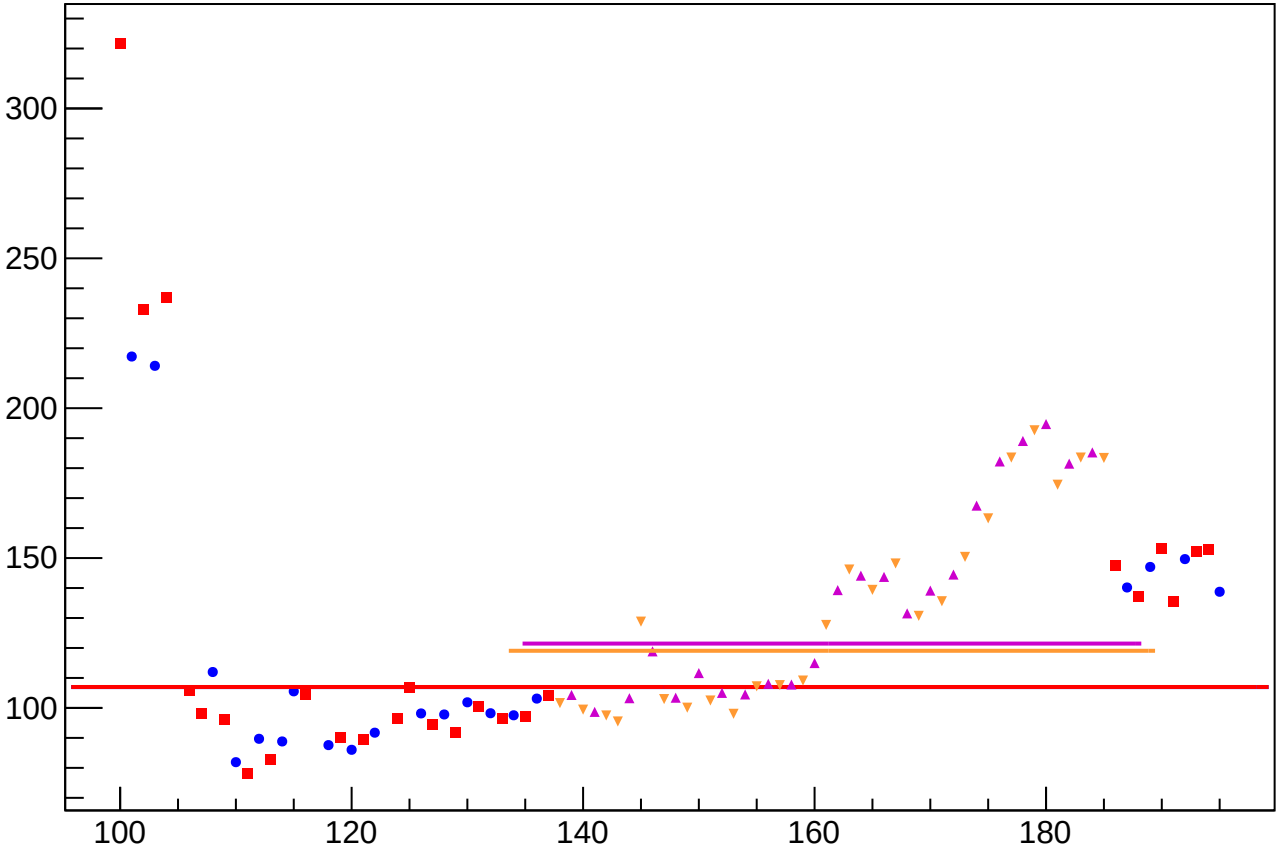
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2471.695+/-22.149 χ^2/NDF: 152621.0/44

All: -527.391+/-15.675 χ^2/NDF: 339324.5/92

- sign 1423.490+/-22.186 χ^2/NDF: 171265.2/47

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

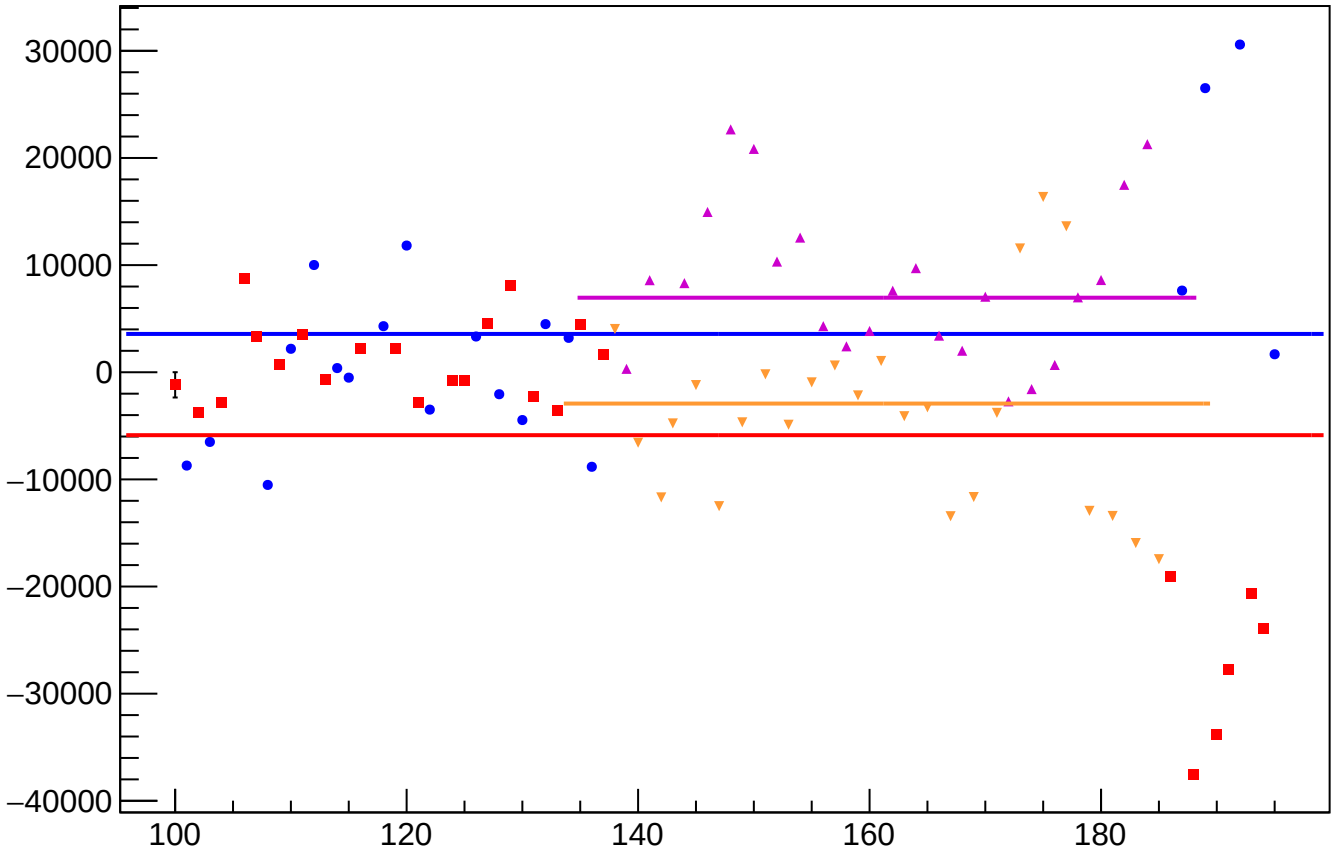
Right Out: 106.985+/-0.024 χ^2/NDF: 1589740.2/24

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 114.555+/-0.016 χ^2/NDF: 3117564.5/44

All: 114.935+/-0.011 χ^2/NDF: 6446096.5/92

- sign 115.317+/-0.016 χ^2/NDF: 3327351.5/47



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: -5873.111+/-44.997 χ^2/NDF: 90417.0/24

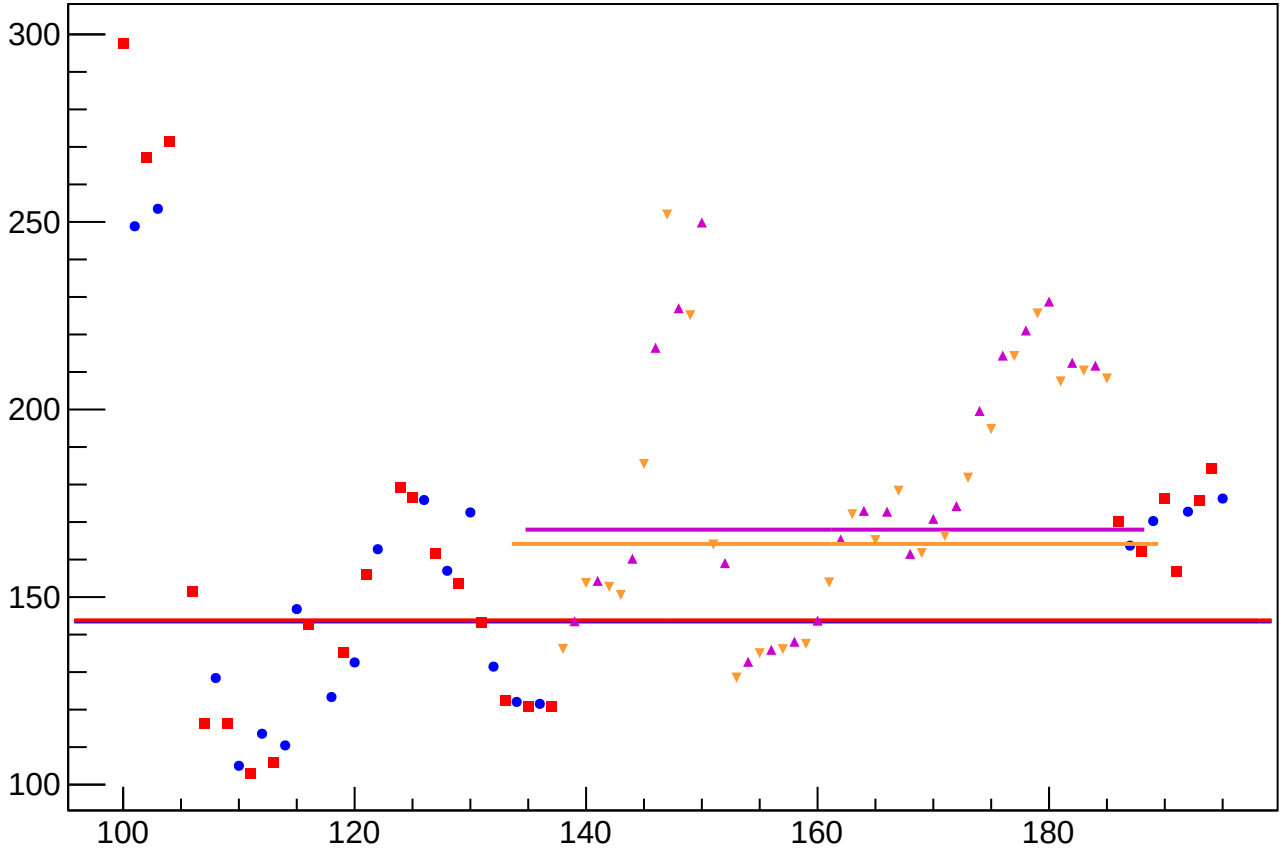
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

\+ sign -399.524+/-29.865 χ^2/NDF: 103978.7/44

All: 424.009+/-21.164 χ^2/NDF: 263430.4/92

\- sign 1254.854+/-29.997 χ^2/NDF: 157924.1/47

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: 143.787+/-0.032 χ^2/NDF: 1191613.5/24

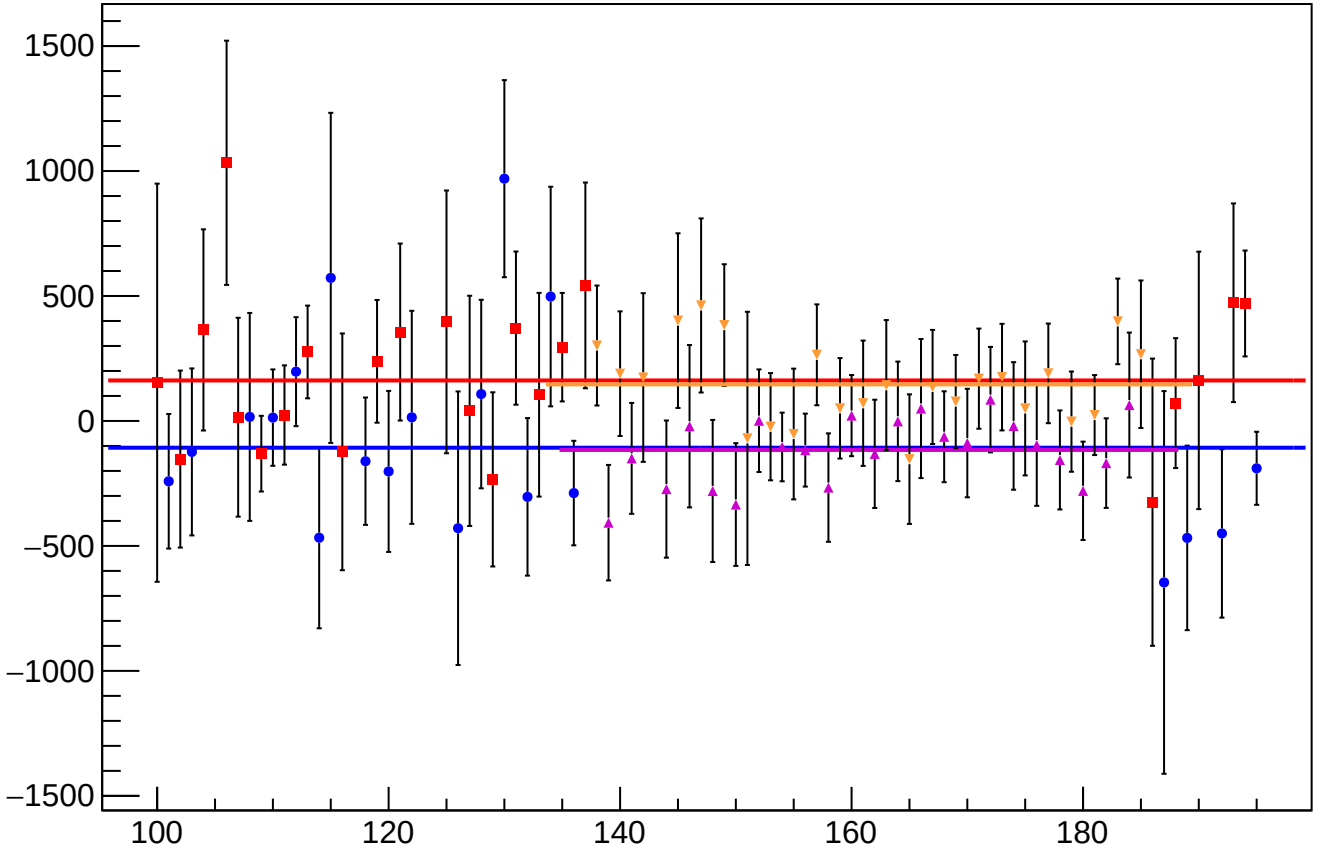
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 156.148+/-0.021 χ^2/NDF: 2431494.1/44

All: 156.684+/-0.015 χ^2/NDF: 5168221.2/92

- sign 157.225+/-0.021 χ^2/NDF: 2735430.9/47

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: 162.066+/-61.561 χ^2/NDF: 16.6/22

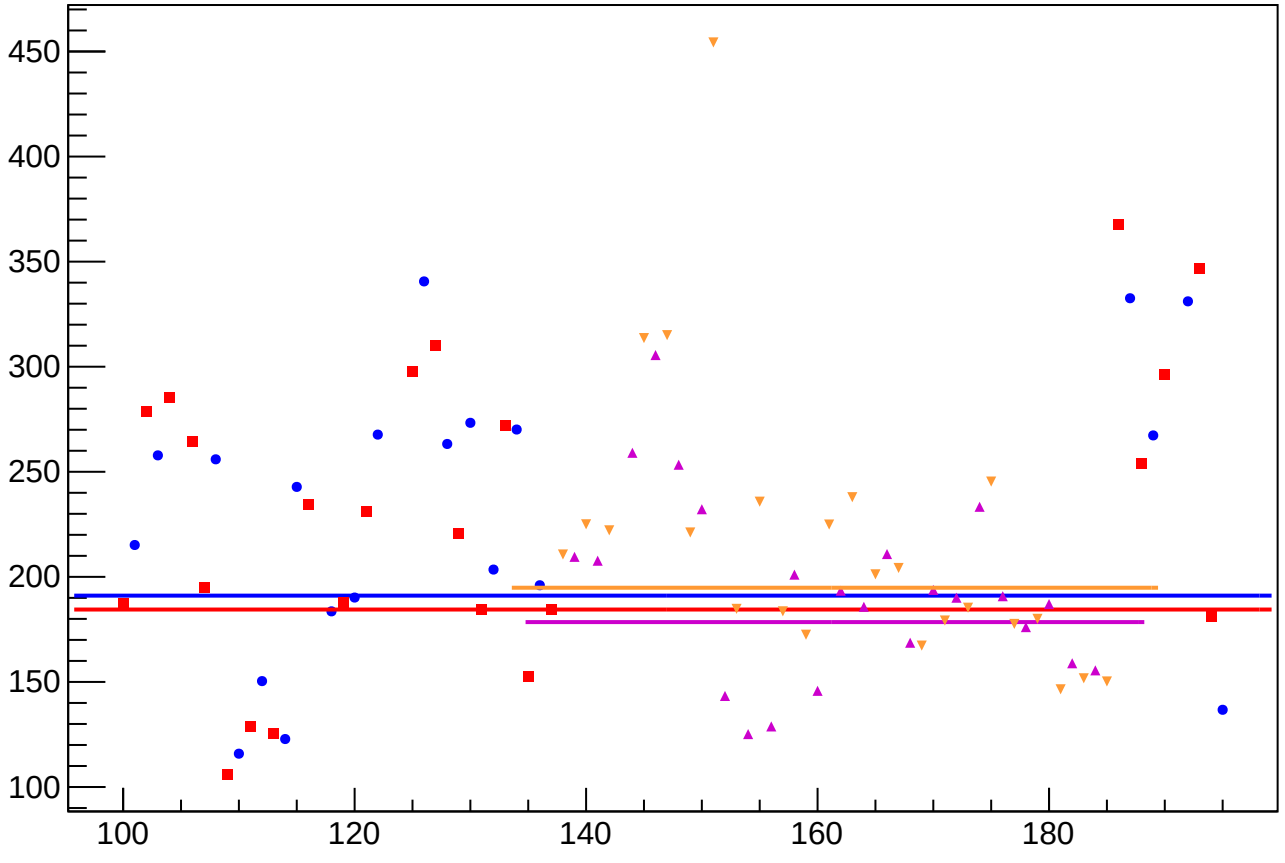
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 59.572+/-38.053 χ^2/NDF: 38.8/43

All: 15.475+/-25.990 χ^2/NDF: 79.1/89

- sign -23.082+/-35.583 χ^2/NDF: 37.8/45

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: 184.454+/-0.044 χ^2/NDF: 2449173.6/22

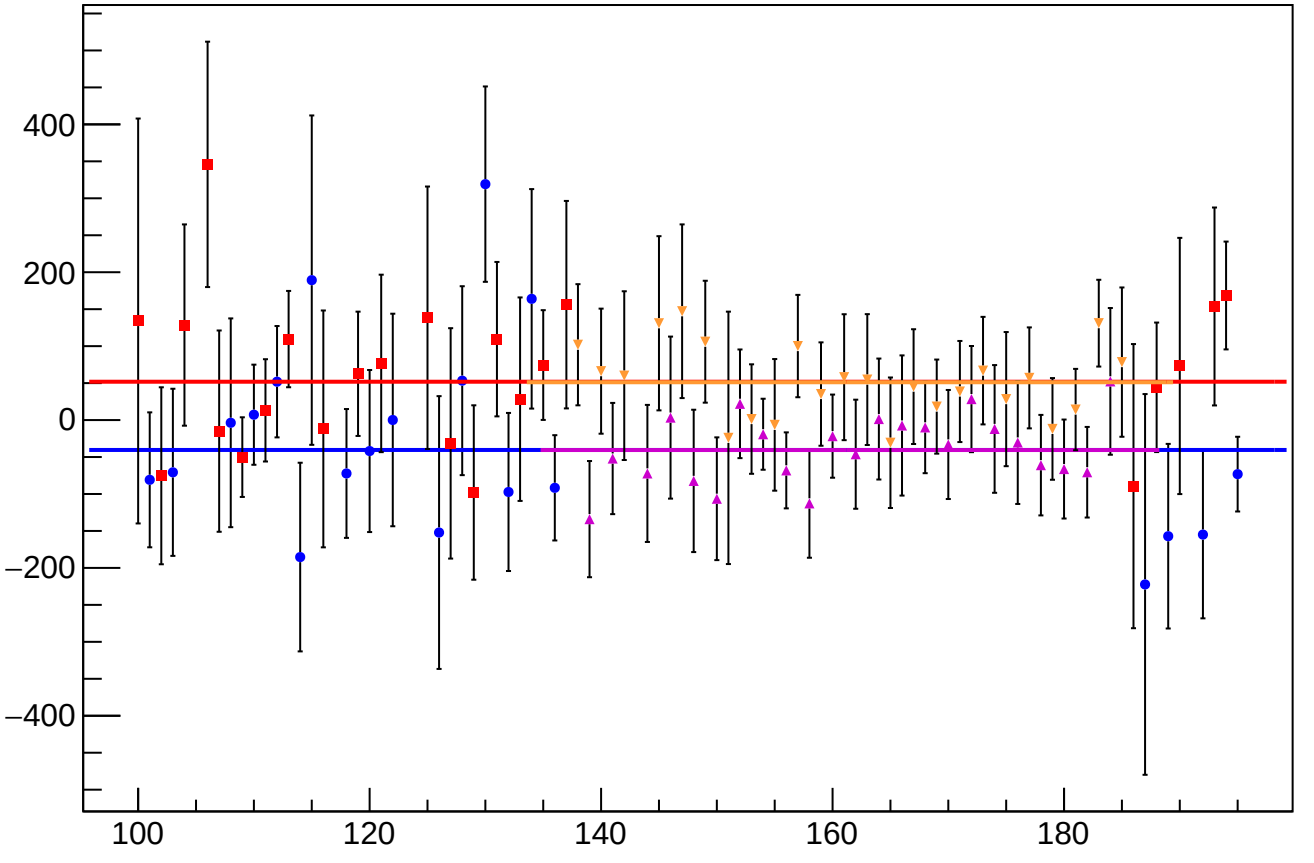
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 193.540+/-0.027 χ^2/NDF: 3579246.5/43

All: 186.569+/-0.018 χ^2/NDF: 7843074.7/89

- sign 180.473+/-0.025 χ^2/NDF: 4138002.0/45

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: 51.870+/-21.214 χ^2/NDF: 16.6/22

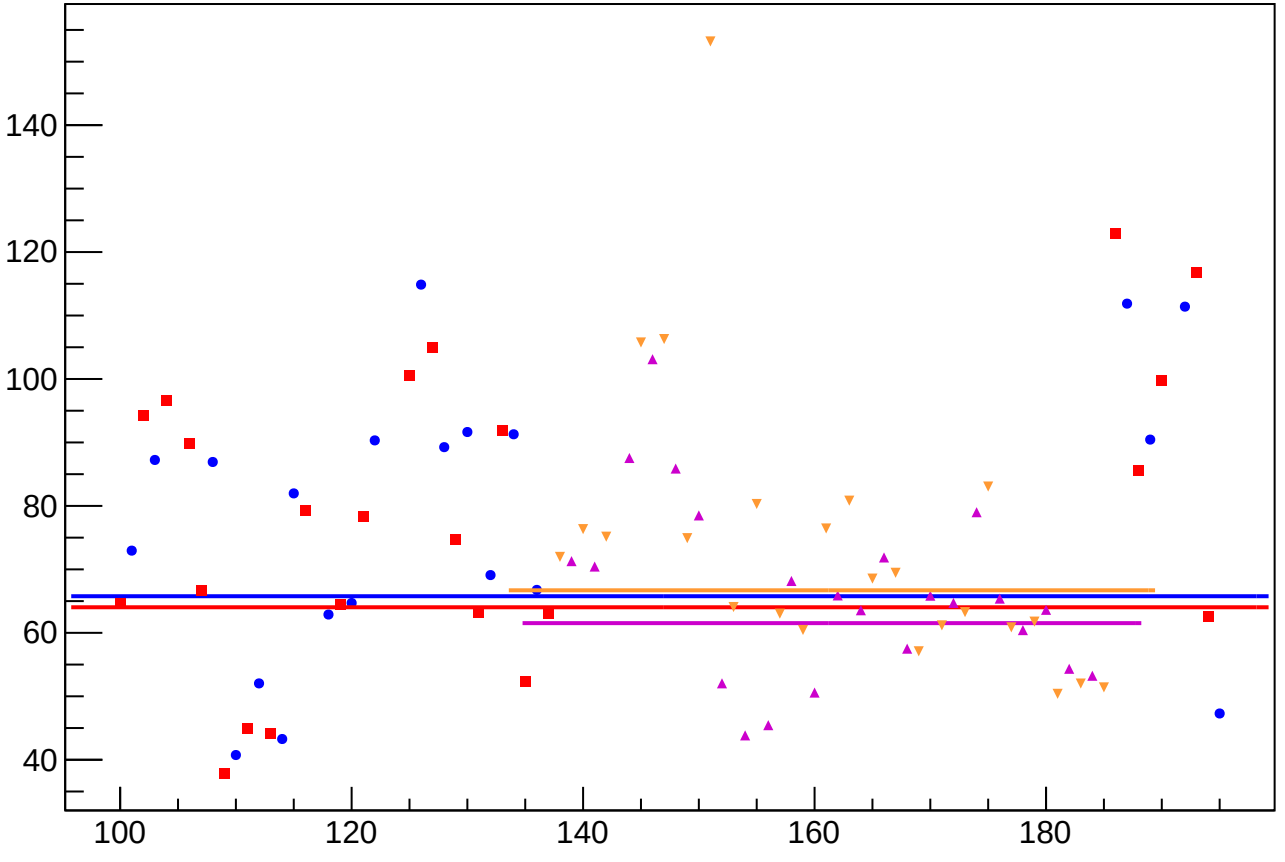
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 19.903+/-13.016 χ^2/NDF: 38.0/43

All: 4.135+/-8.915 χ^2/NDF: 77.9/89

- sign -9.799+/-12.235 χ^2/NDF: 37.2/45

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: 64.030+/-0.015 χ^2/NDF: 2226716.1/22

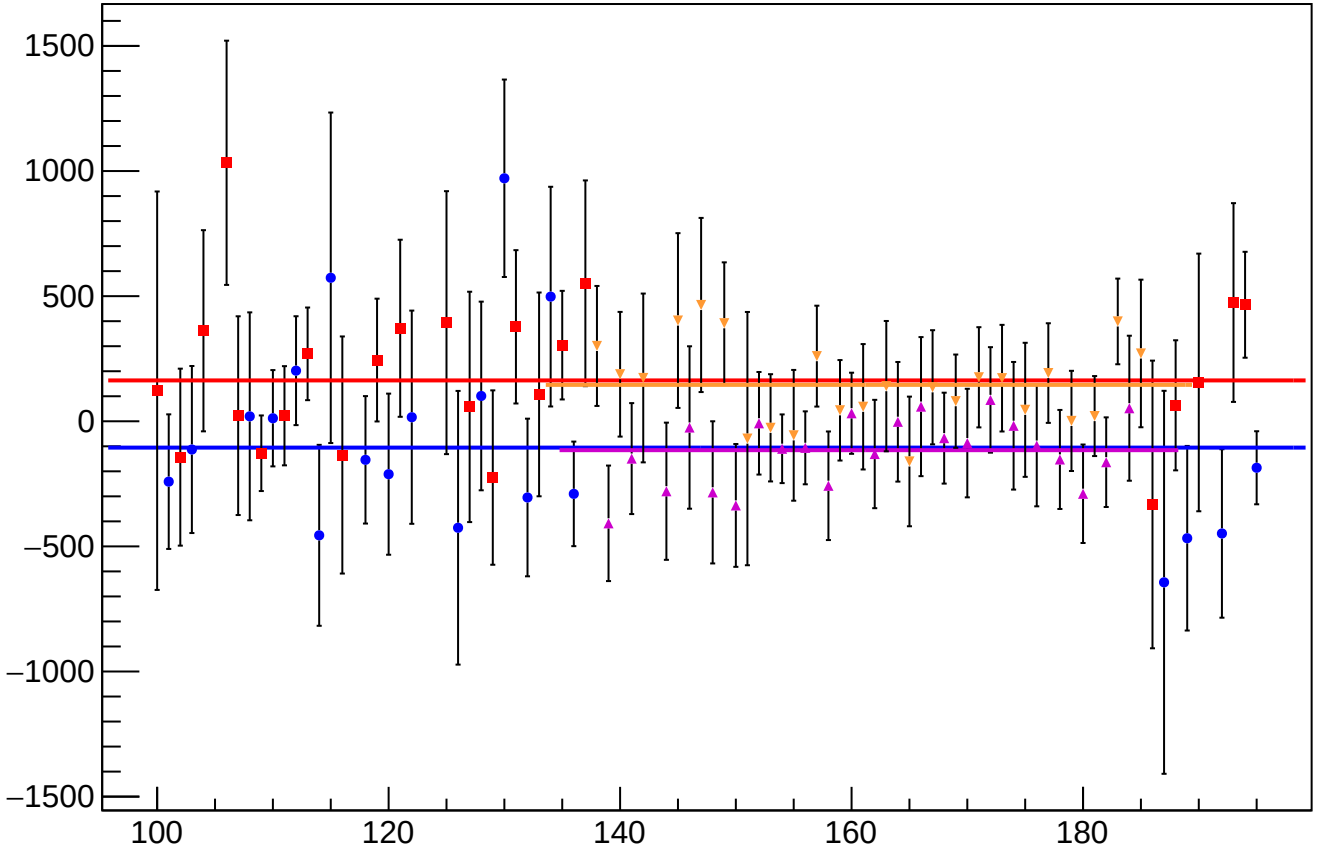
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.384+/-0.009 χ^2/NDF: 3362338.0/43

All: 64.248+/-0.006 χ^2/NDF: 7198908.3/89

- sign 62.361+/-0.009 χ^2/NDF: 3735111.5/45

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: 163.279+/-61.488 χ^2/NDF: 16.6/22

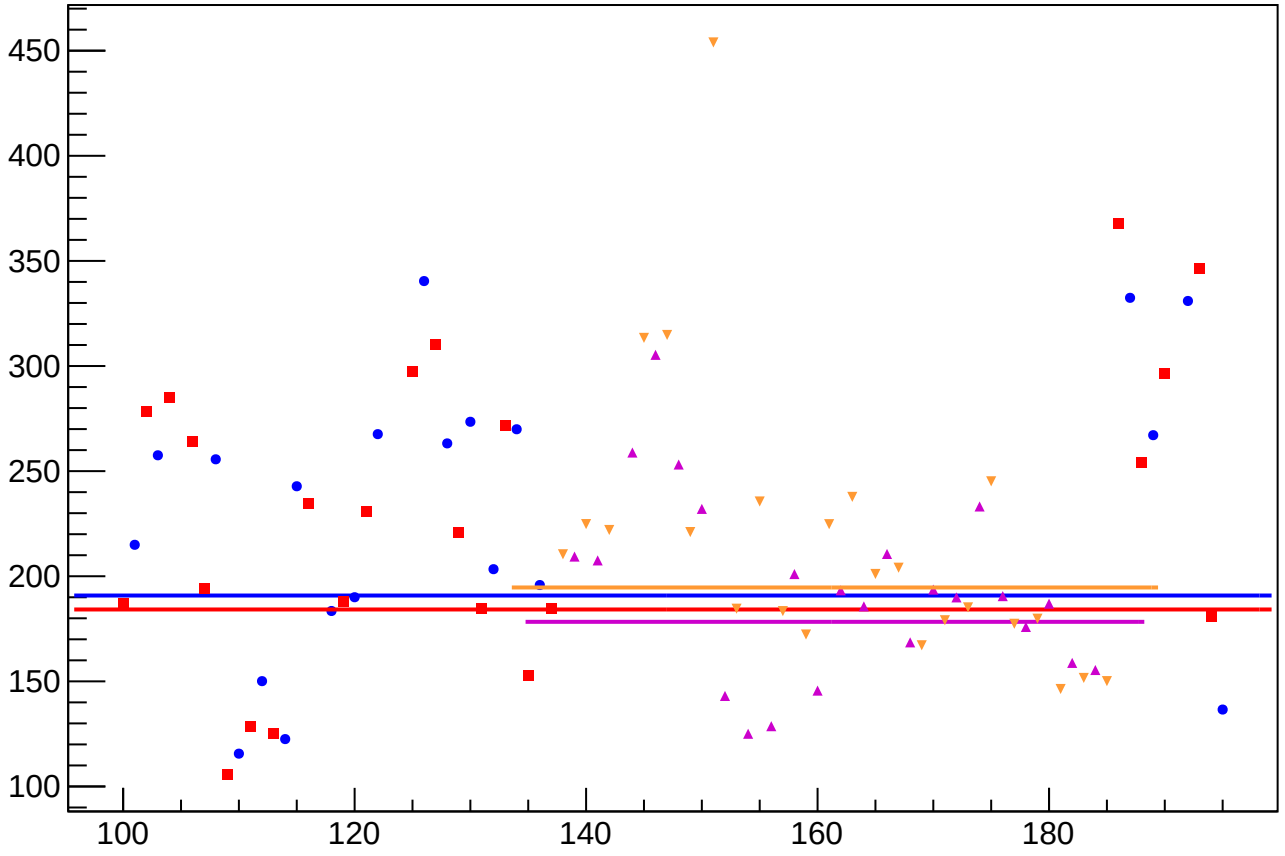
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 59.579+/-38.018 χ^2/NDF: 38.9/43

All: 15.889+/-25.966 χ^2/NDF: 79.4/89

- sign -22.311+/-35.549 χ^2/NDF: 38.0/45

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: 184.193+/-0.043 χ^2/NDF: 2457479.7/22

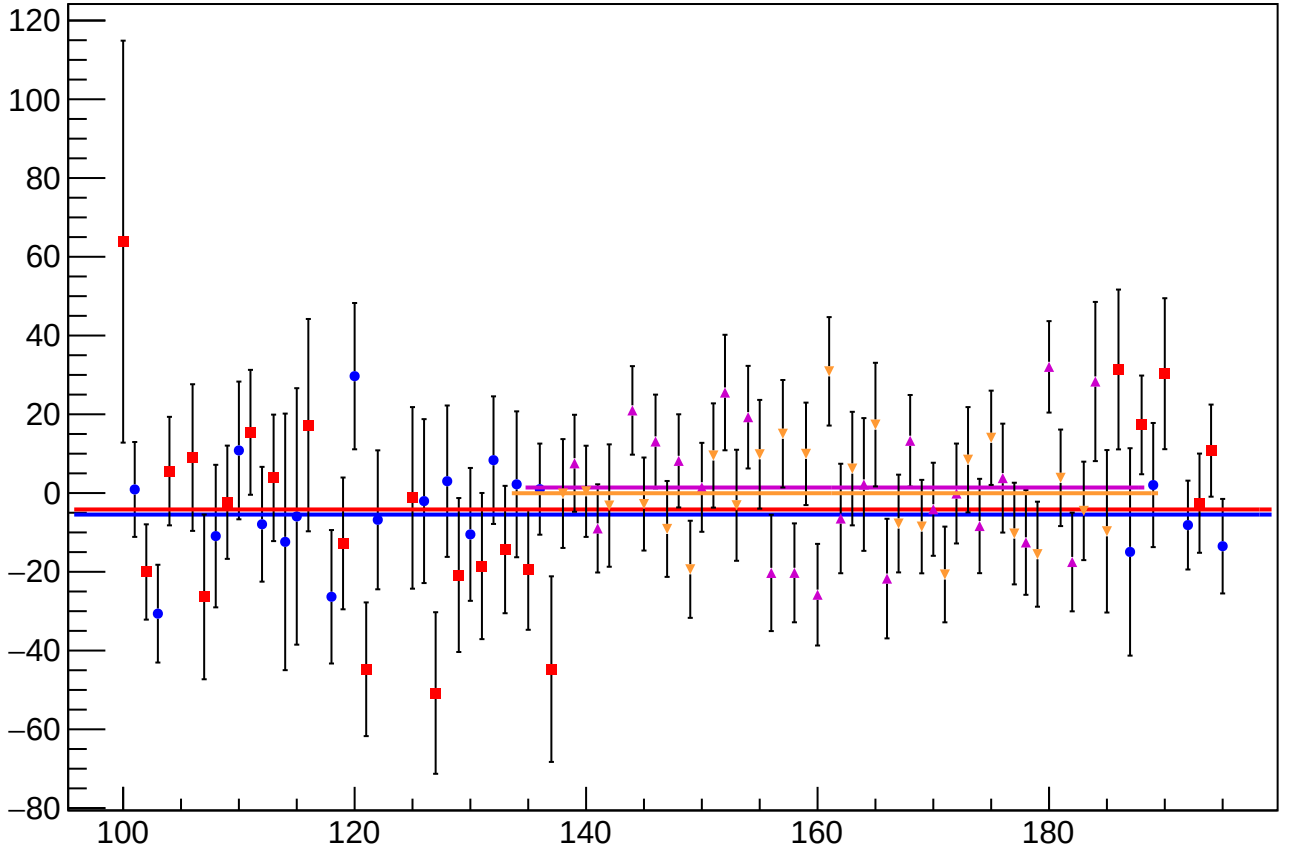
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 193.348+/-0.027 χ^2/NDF: 3585461.1/43

All: 186.377+/-0.018 χ^2/NDF: 7859471.5/89

- sign 180.282+/-0.025 χ^2/NDF: 4147973.8/45

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: -4.165+/-3.459 χ^2/NDF: 35.8/22

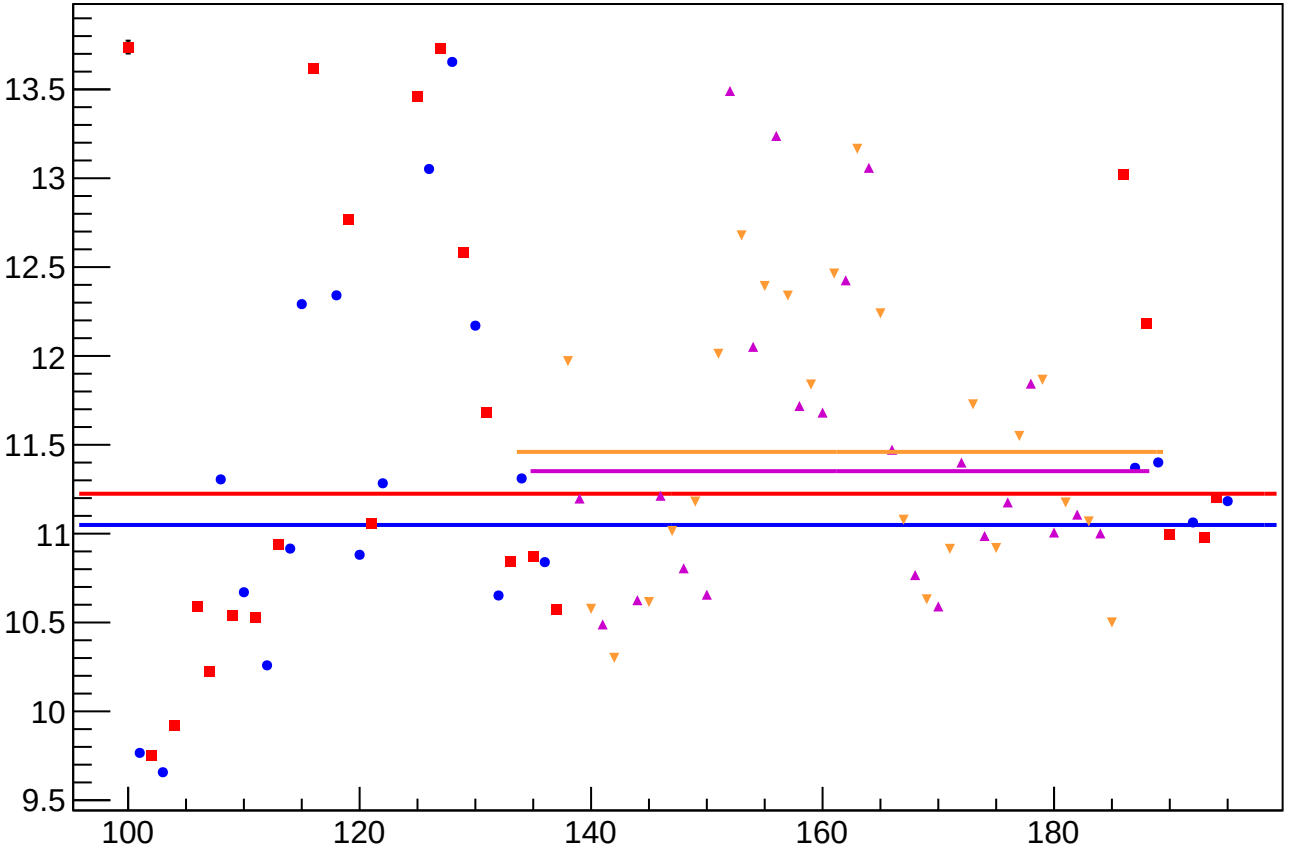
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -2.011+/-2.144 χ^2/NDF: 34.9/43

All: -1.335+/-1.506 χ^2/NDF: 108.8/89

- sign -0.677+/-2.116 χ^2/NDF: 73.7/45

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: 11.225+/-0.002 χ^2/NDF: 192936.0/22

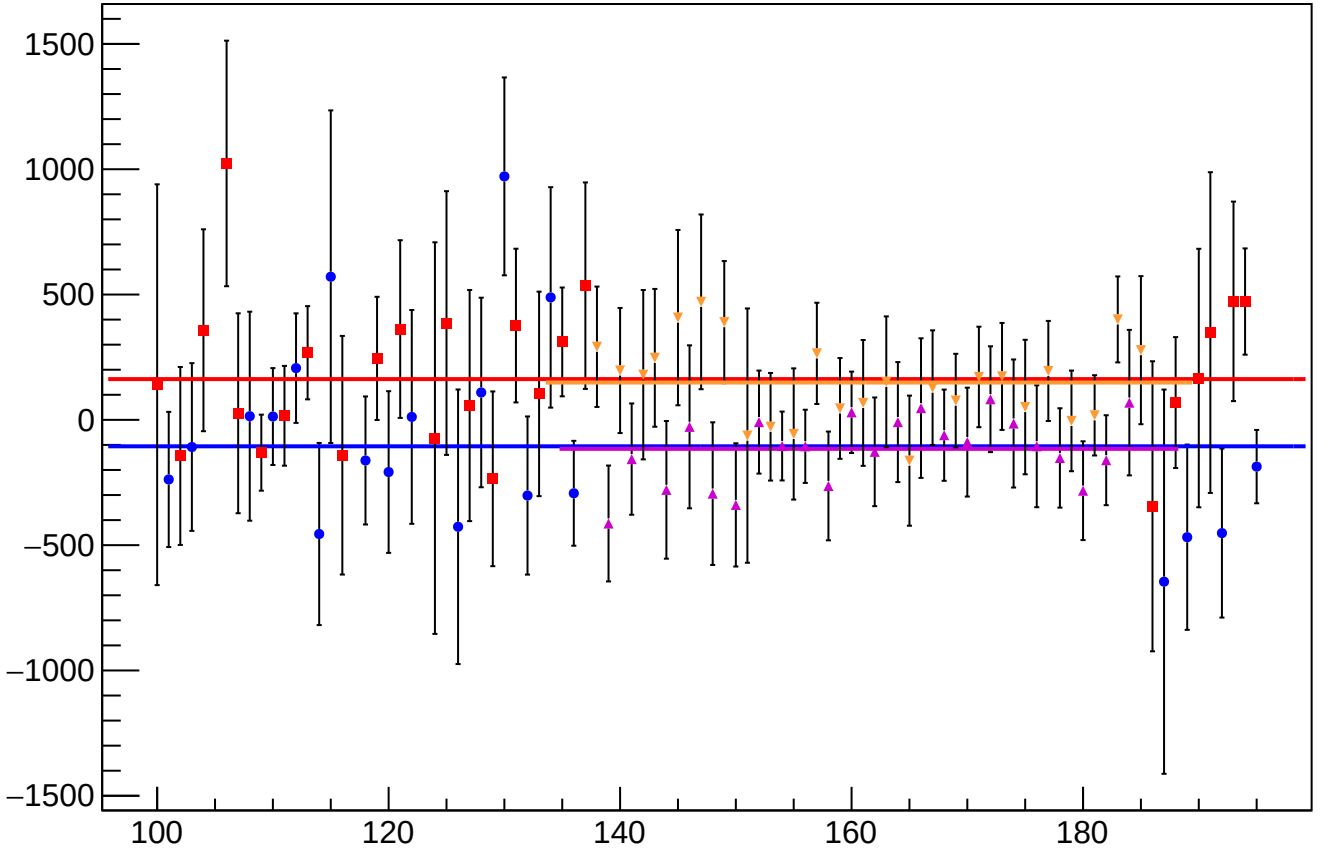
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.311+/-0.002 χ^2/NDF: 305433.0/43

All: 11.308+/-0.001 χ^2/NDF: 670632.7/89

- sign 11.304+/-0.001 χ^2/NDF: 365189.3/45

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: 162.655+/-61.204 χ^2/NDF: 16.8/24

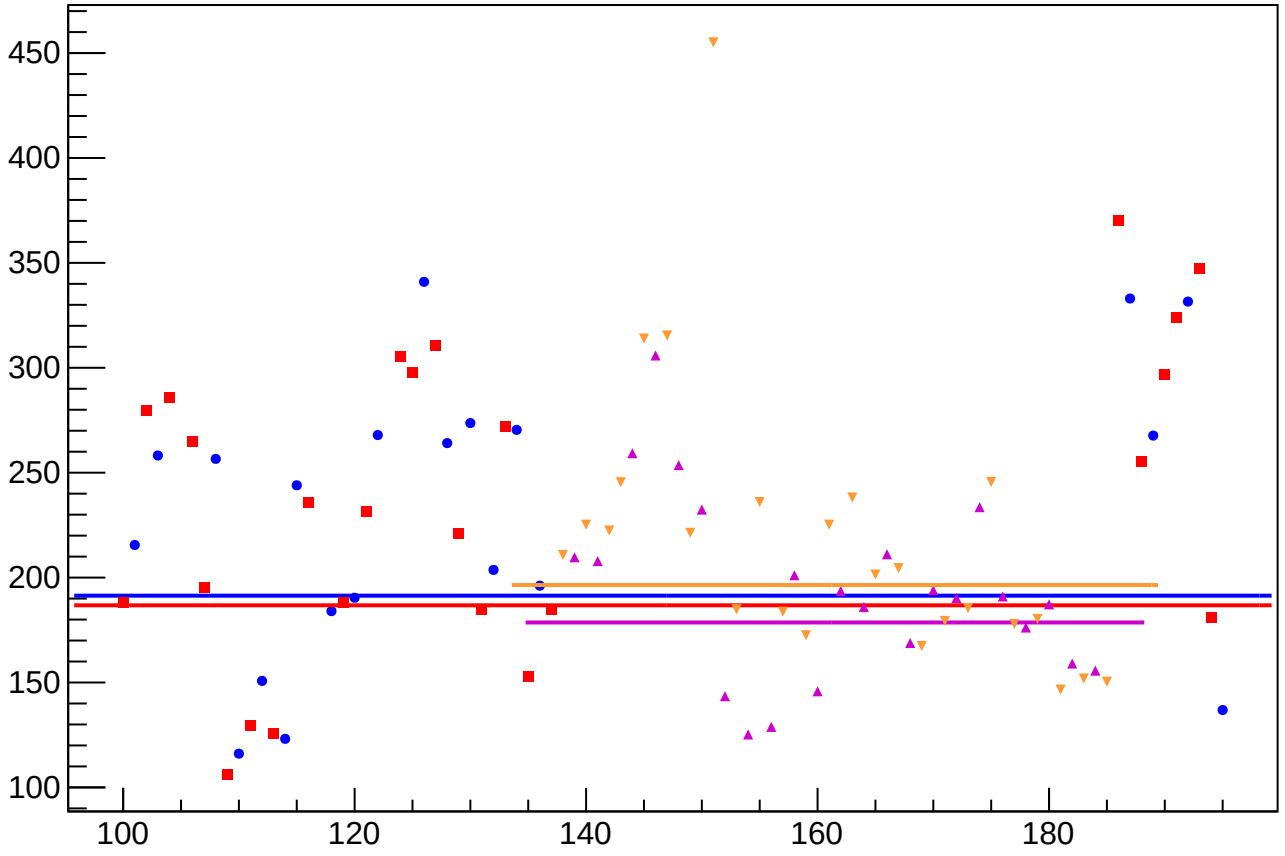
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 63.462+/-37.740 χ^2/NDF: 39.5/44

All: 18.221+/-25.871 χ^2/NDF: 80.5/92

- sign -21.885+/-35.533 χ^2/NDF: 38.3/47

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: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

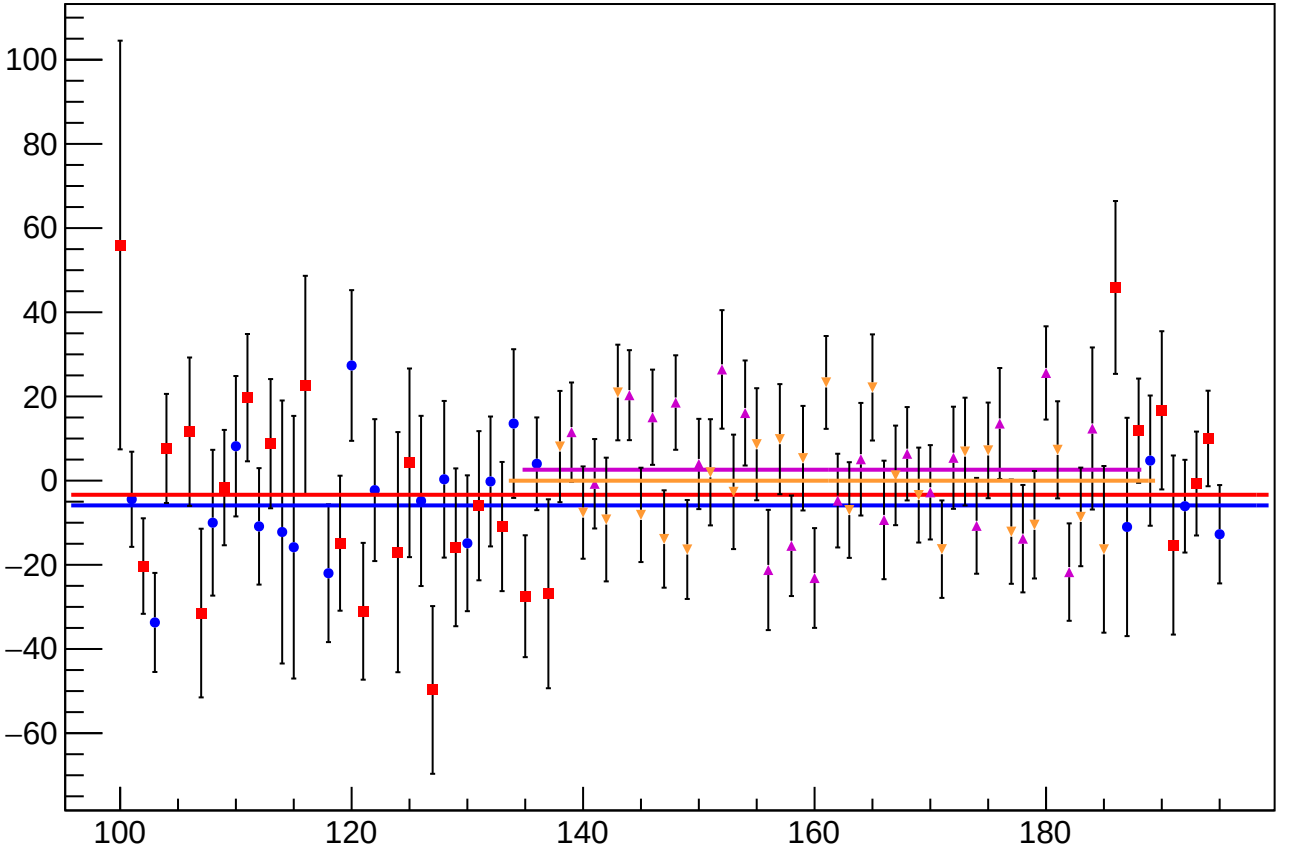
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 194.752+/-0.027 χ^2/NDF: 3648418.8/44

All: 187.659+/-0.018 χ^2/NDF: 8076781.5/92

- sign 181.372+/-0.025 χ^2/NDF: 4295093.5/47

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: -3.362+/-3.262 χ^2/NDF: 35.0/24

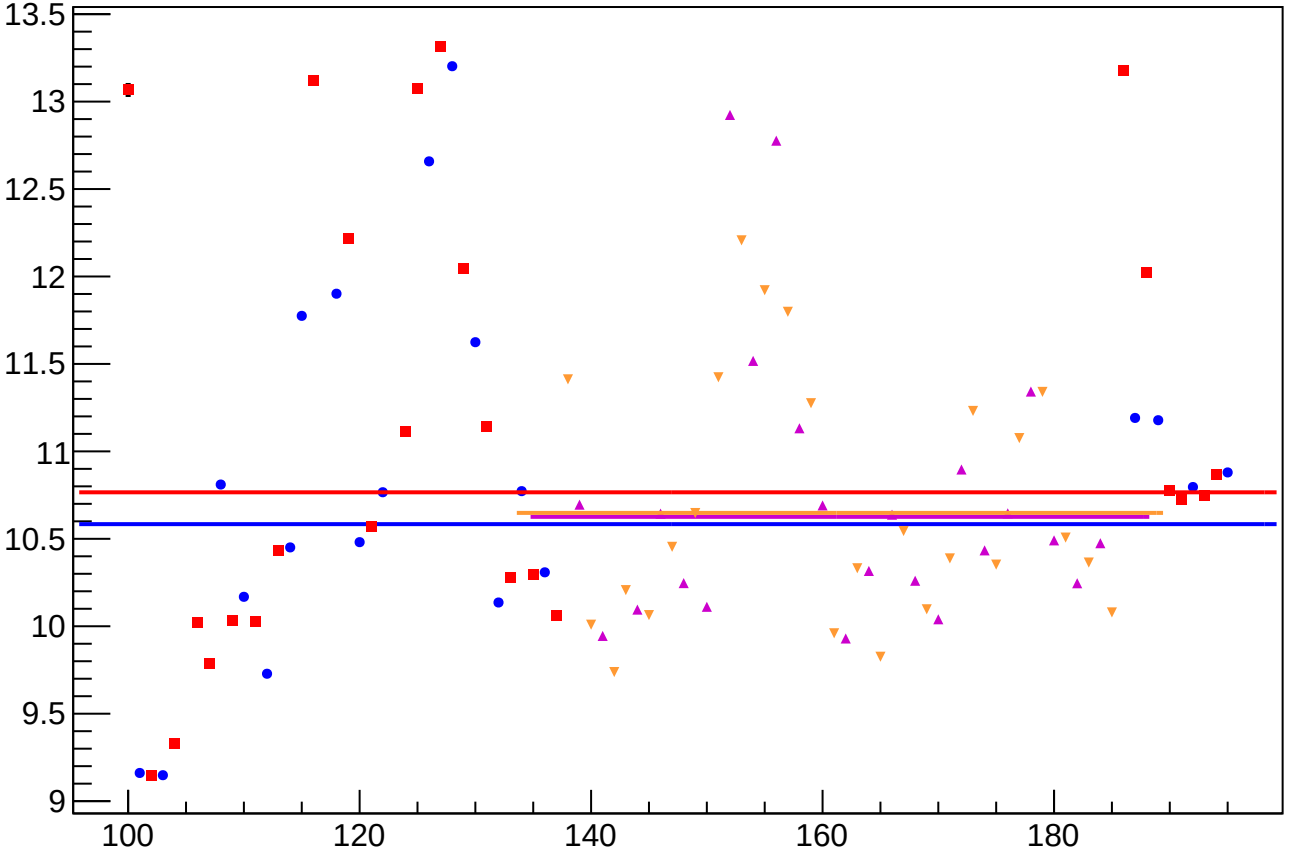
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -2.005+/-1.988 χ^2/NDF: 40.2/44

All: -0.811+/-1.405 χ^2/NDF: 112.8/92

- sign 0.382+/-1.987 χ^2/NDF: 71.9/47

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: 10.766+/-0.002 χ^2/NDF: 241663.7/24

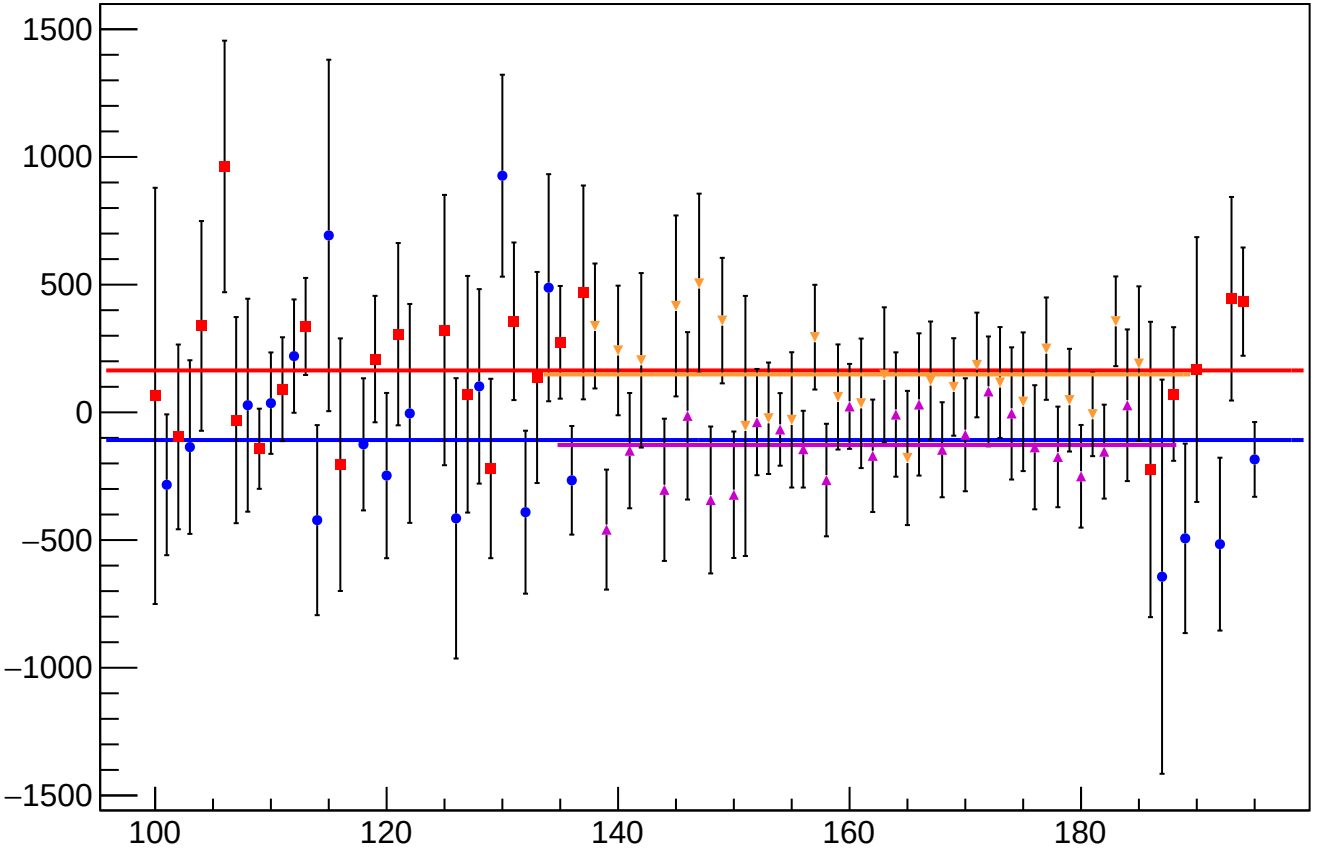
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.626+/-0.001 χ^2/NDF: 309097.3/44

All: 10.652+/-0.001 χ^2/NDF: 713293.6/92

- sign 10.678+/-0.001 χ^2/NDF: 403531.4/47

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: 164.157+/-62.629 χ^2/NDF: 14.3/22

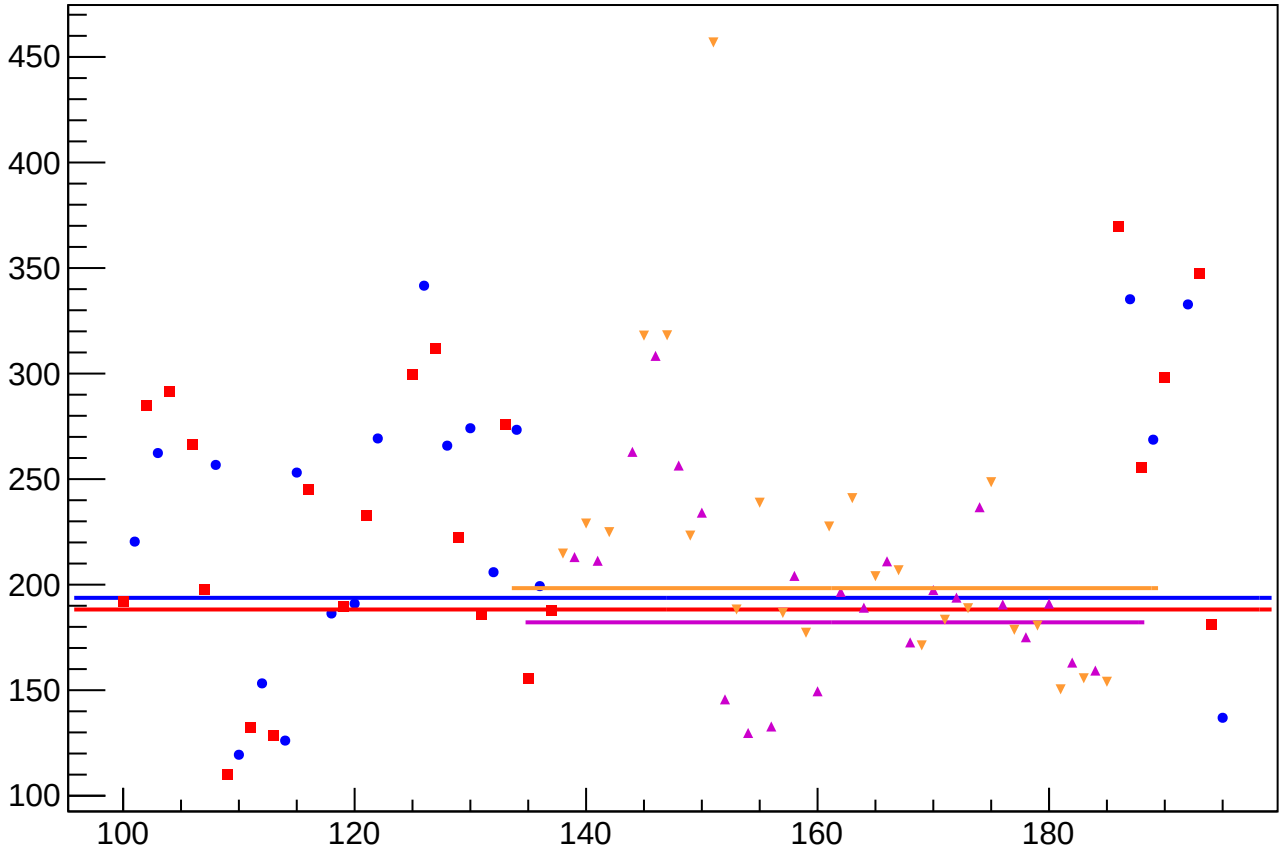
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 60.035+/-38.644 χ^2/NDF: 39.3/43

All: 12.120+/-26.433 χ^2/NDF: 78.7/89

- sign -30.009+/-36.235 χ^2/NDF: 36.6/45

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: 188.236+/-0.044 χ^2/NDF: 2352504.3/22

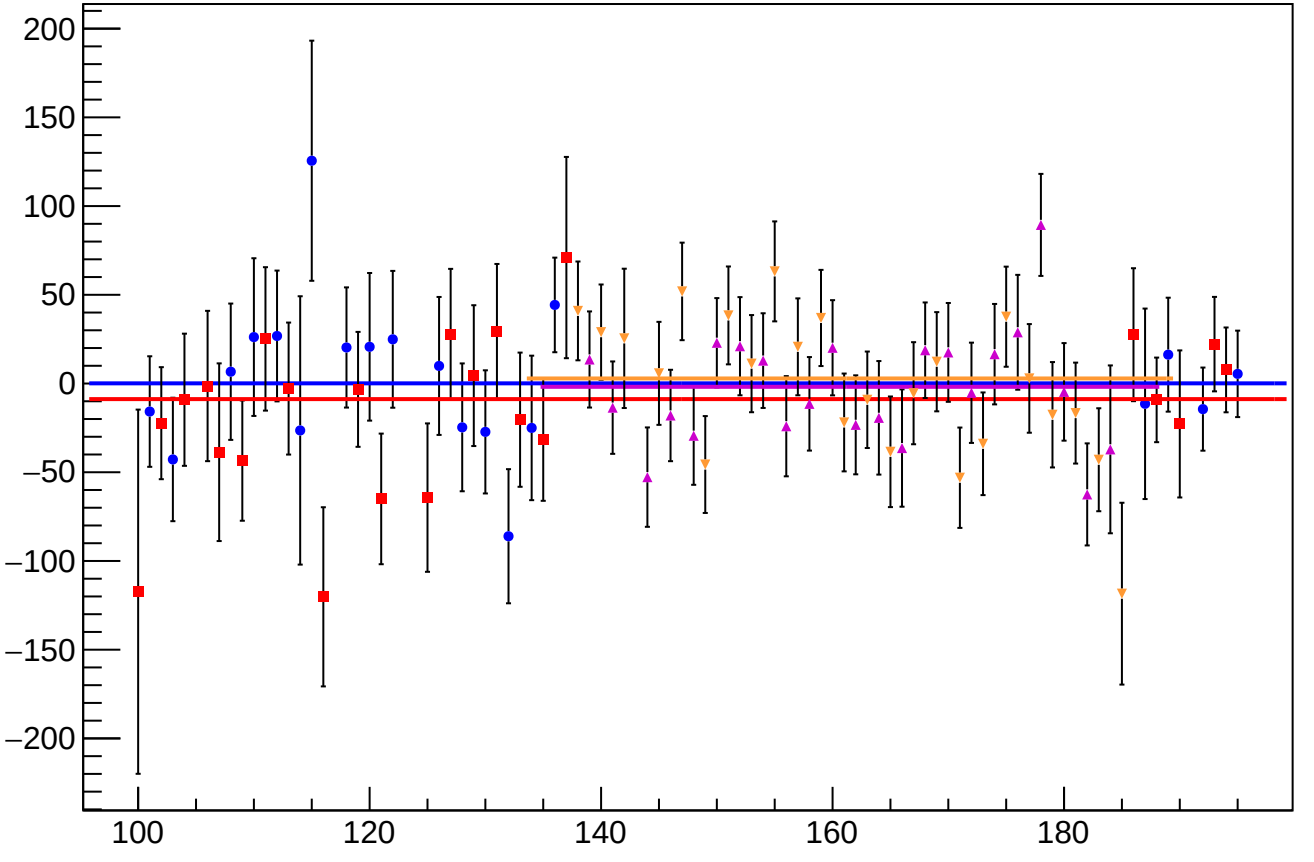
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 196.768+/-0.027 χ^2/NDF: 3496733.0/43

All: 190.074+/-0.019 χ^2/NDF: 7558962.0/89

- sign 184.187+/-0.026 χ^2/NDF: 3949424.2/45

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: -8.781+/-7.503 χ^2/NDF: 20.0/22

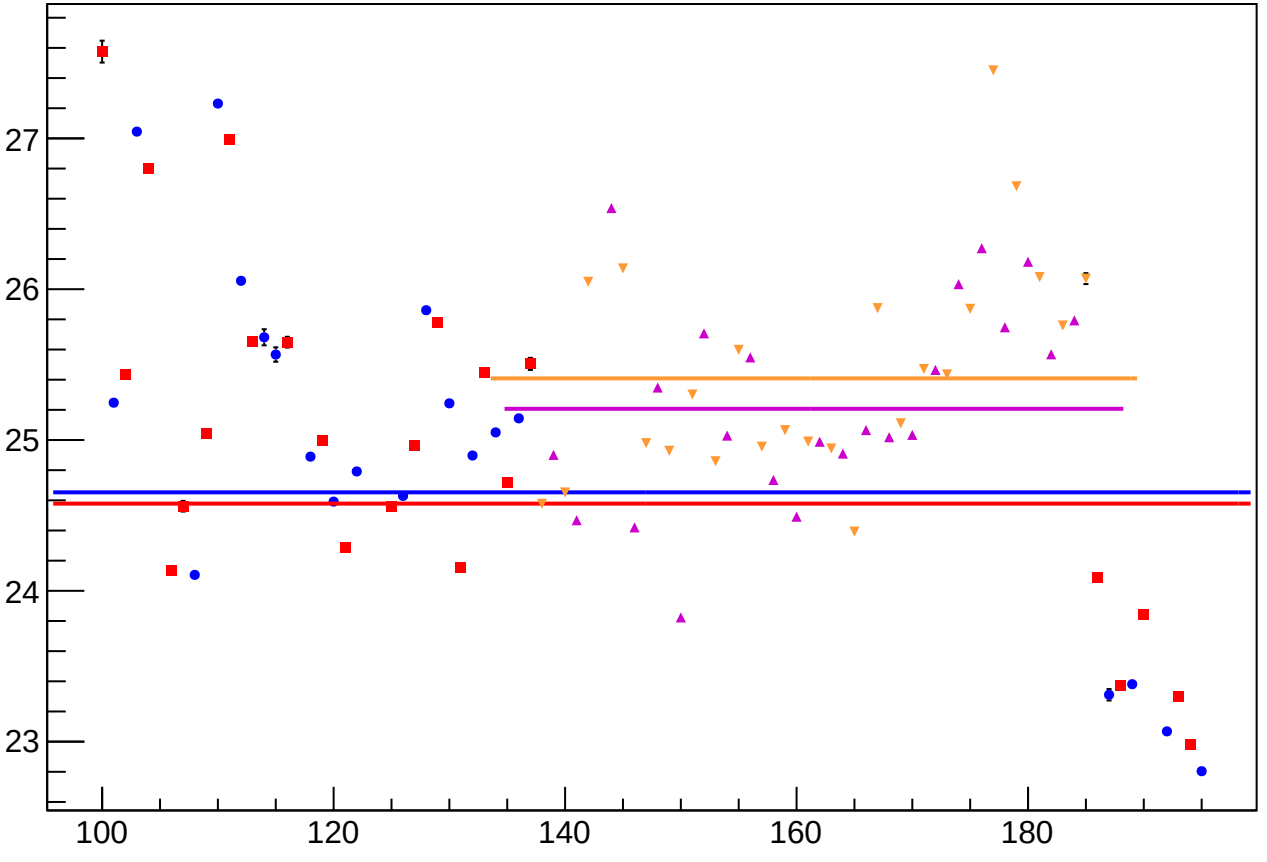
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.863+/-4.726 χ^2/NDF: 54.5/43

All: -1.378+/-3.309 χ^2/NDF: 103.9/89

- sign -4.494+/-4.635 χ^2/NDF: 48.6/45

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: 24.578+/-0.005 χ^2/NDF: 44621.5/22

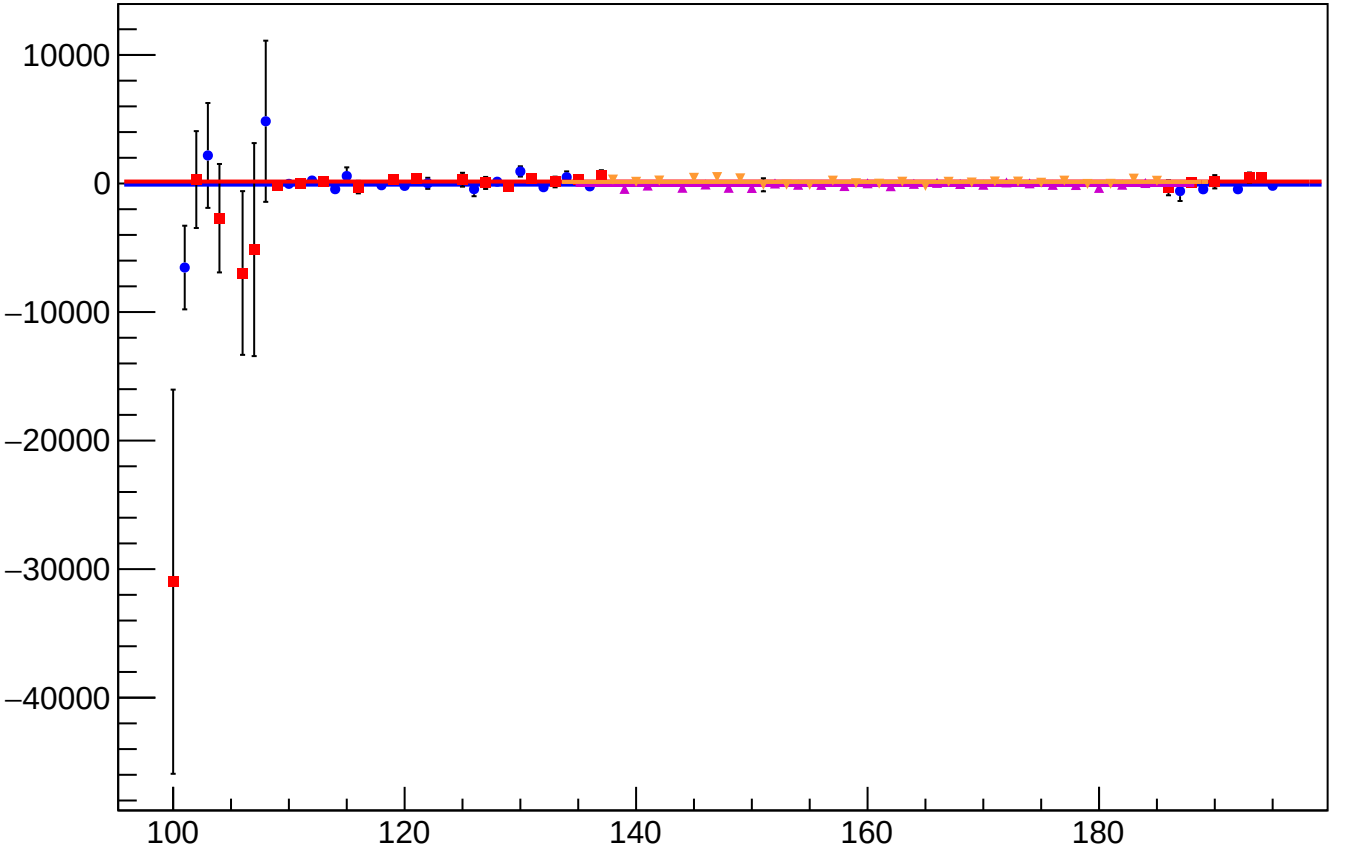
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.137+/-0.003 χ^2/NDF: 88563.2/43

All: 25.050+/-0.002 χ^2/NDF: 169013.9/89

- sign 24.967+/-0.003 χ^2/NDF: 79129.2/45

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: 152.609+/-68.715 χ^2/NDF: 17.7/22

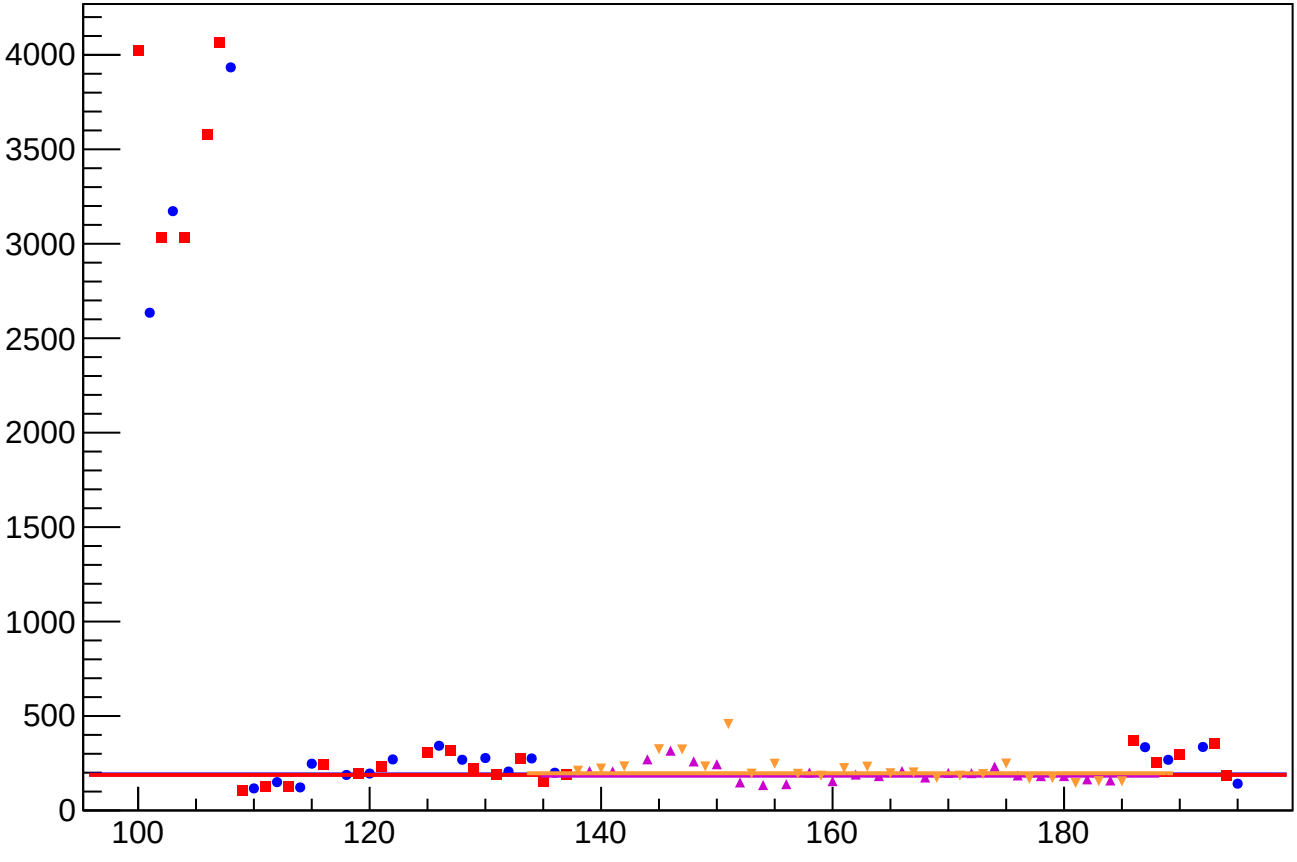
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 55.252+/-39.354 χ^2/NDF: 39.9/43

All: 7.406+/-27.156 χ^2/NDF: 79.6/89

- sign -36.086+/-37.520 χ^2/NDF: 36.9/45

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: 188.370+/-0.049 χ^2/NDF: 5106032.1/22

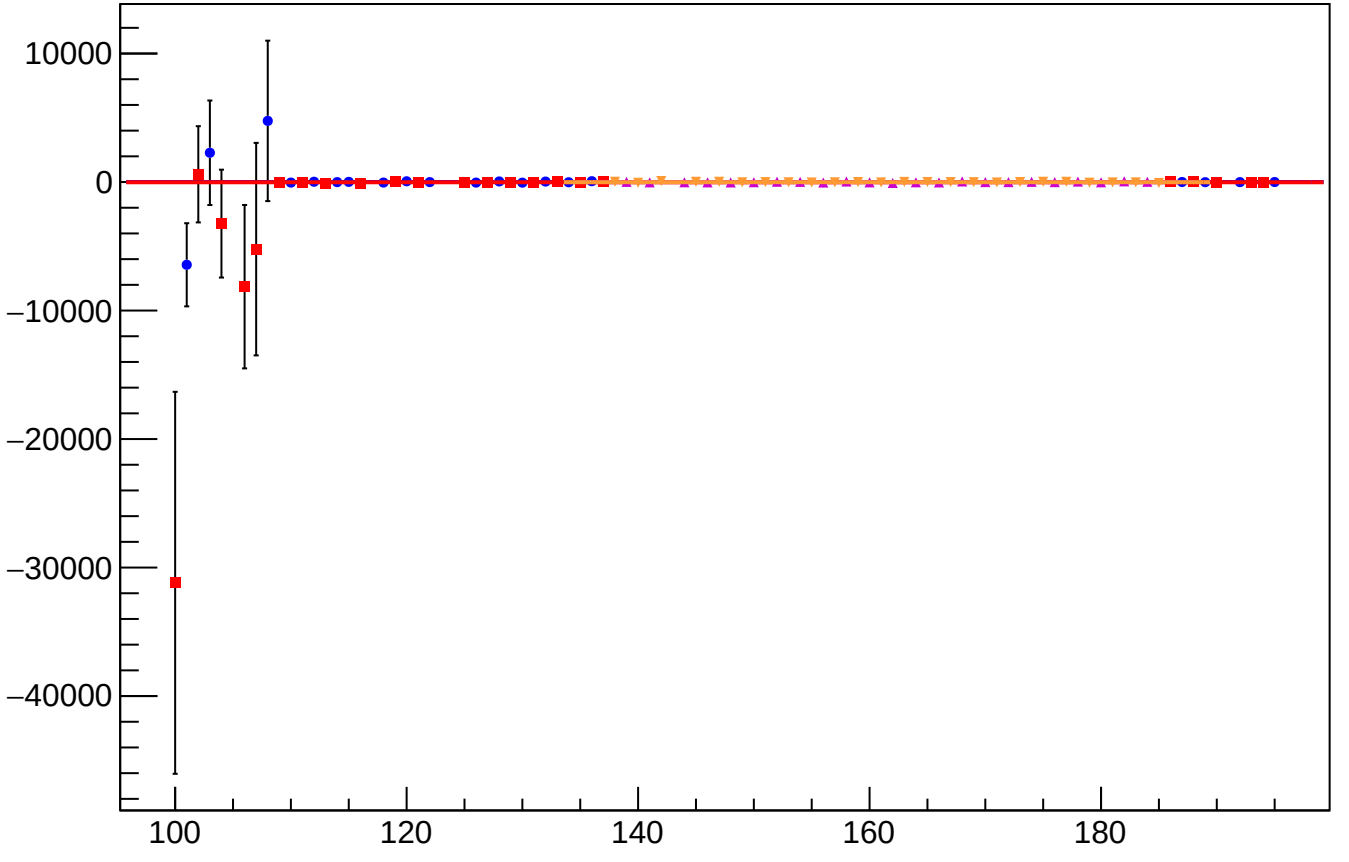
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 194.936+/-0.028 χ^2/NDF: 6384335.0/43

All: 189.908+/-0.019 χ^2/NDF: 13003645.3/89

- sign 185.339+/-0.027 χ^2/NDF: 6557003.5/45

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: -16.689+/-9.419 χ^2/NDF: 25.7/22

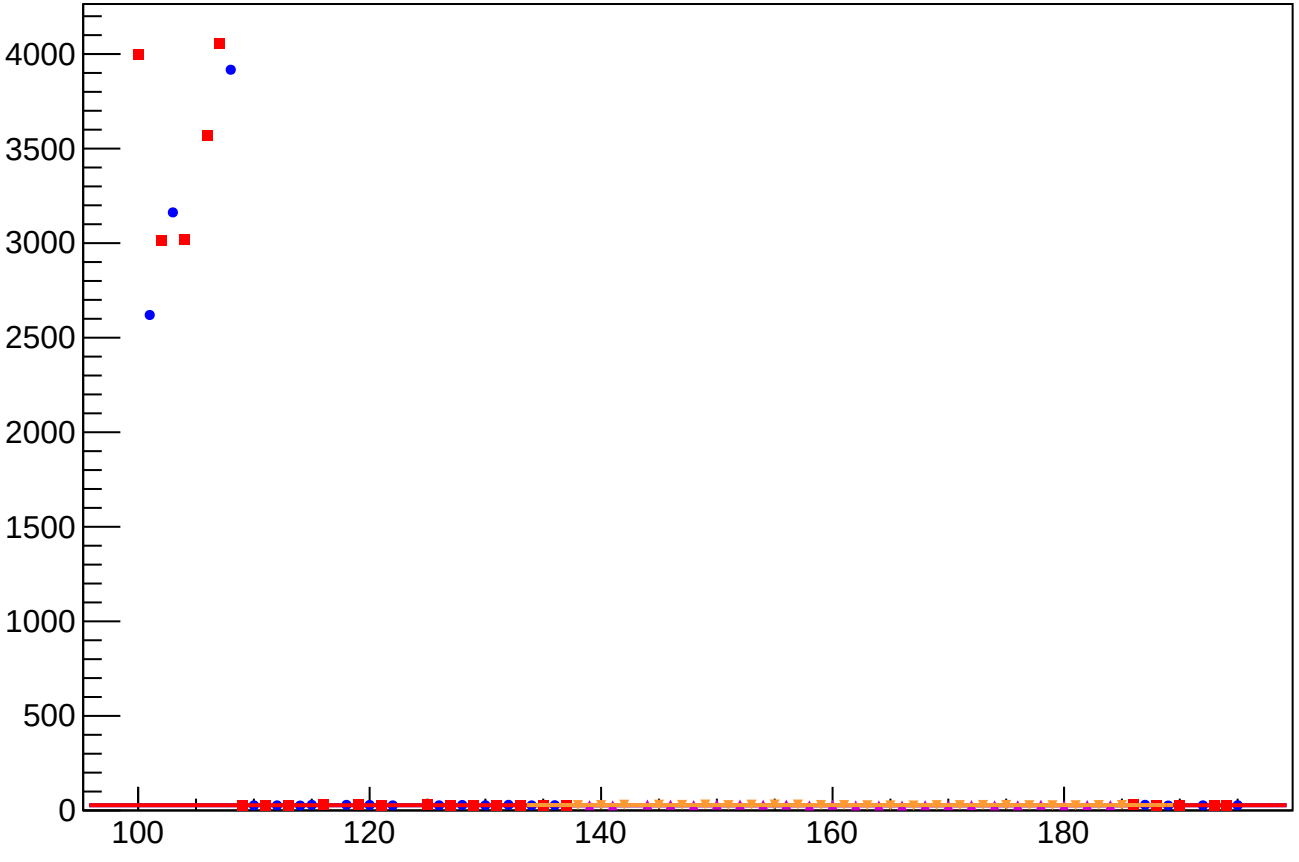
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.549+/-5.478 χ^2/NDF: 37.6/43

All: -6.948+/-3.873 χ^2/NDF: 87.0/89

- sign -7.348+/-5.477 χ^2/NDF: 49.4/45

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: 27.690+/-0.007 χ^2/NDF: 3575505.8/22

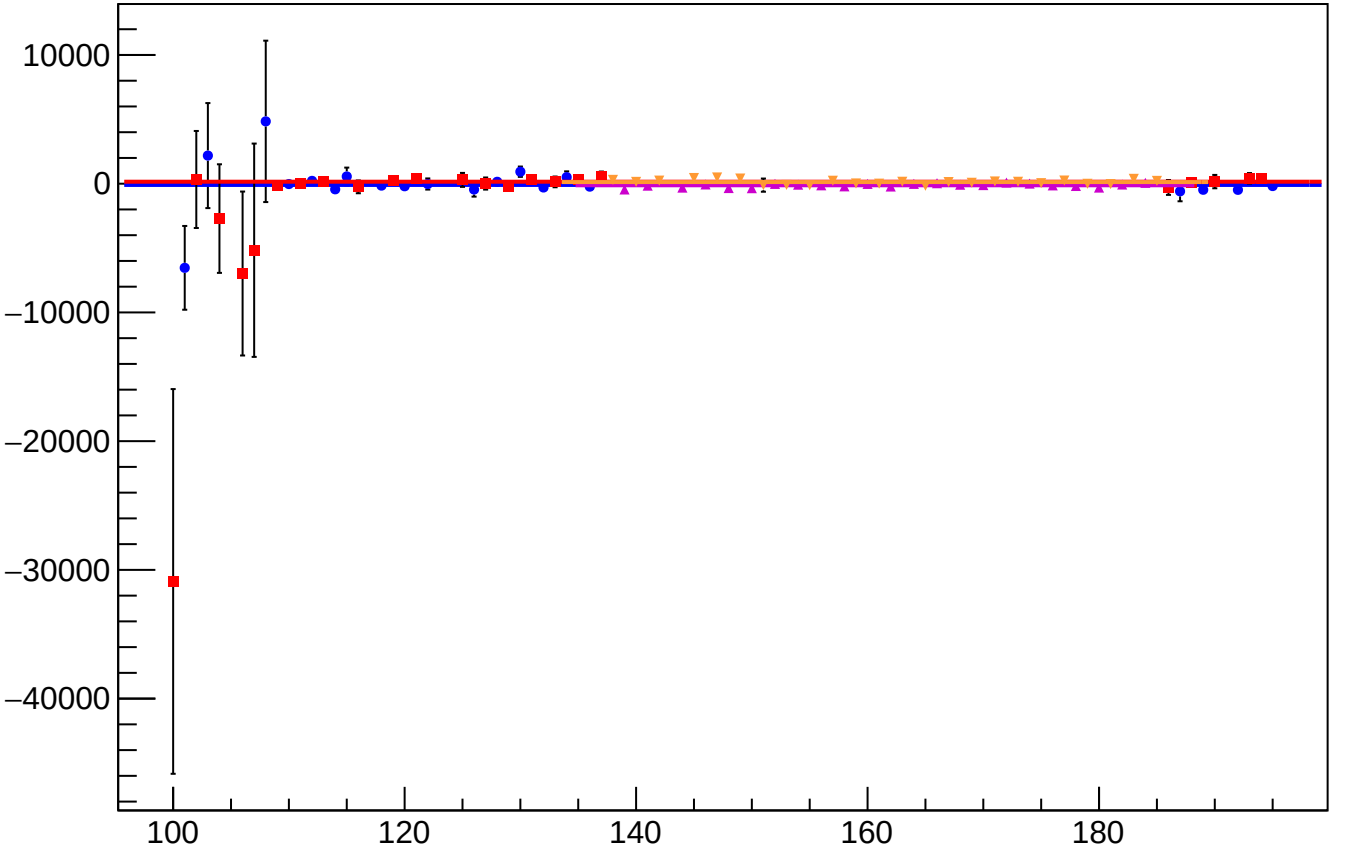
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.258+/-0.004 χ^2/NDF: 3371394.7/43

All: 28.318+/-0.003 χ^2/NDF: 7090819.8/89

\- sign 28.377+/-0.004 χ^2/NDF: 3718958.6/45

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: 155.131+/-69.132 χ^2/NDF: 16.2/22

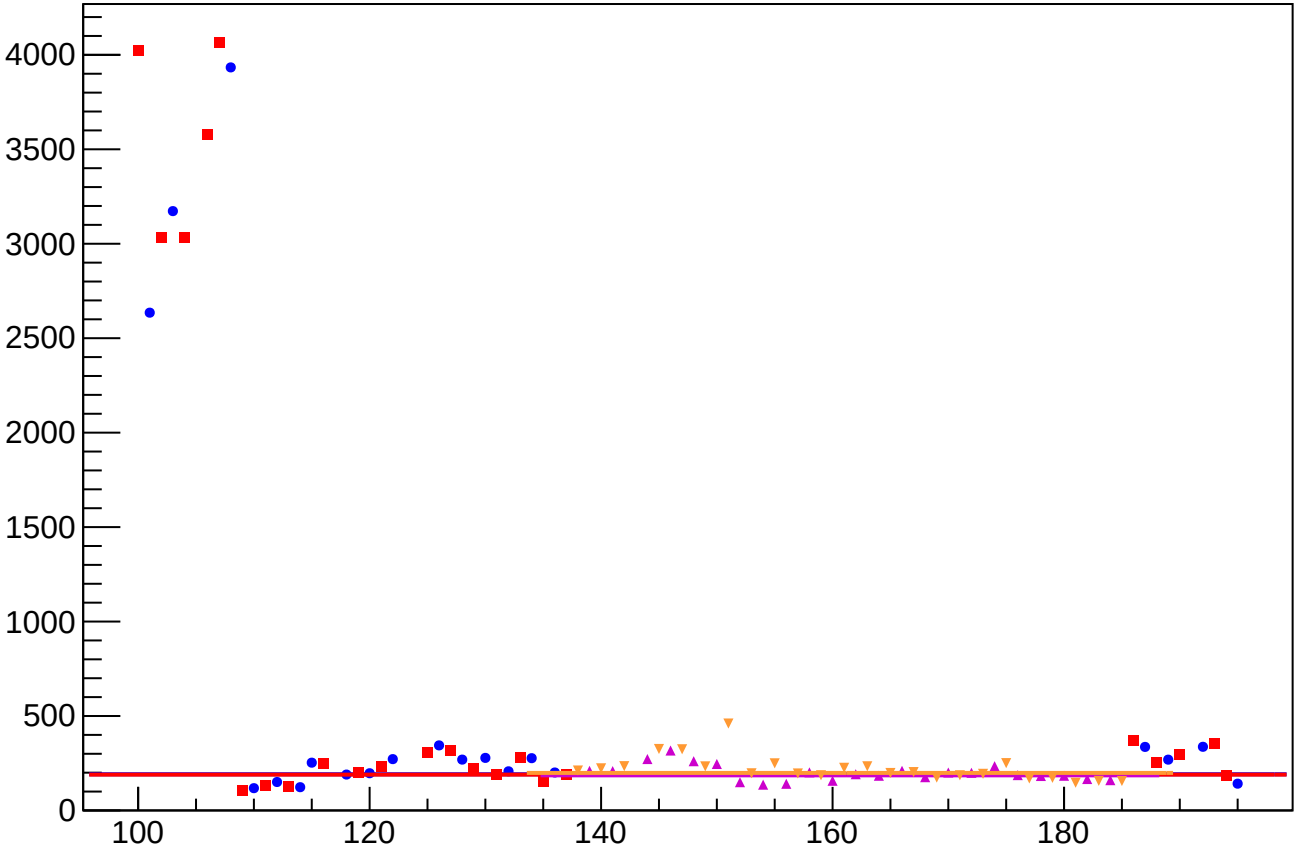
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 56.569+/-39.656 χ^2/NDF: 40.4/43

All: 6.231+/-27.373 χ^2/NDF: 79.0/89

- sign -39.579+/-37.831 χ^2/NDF: 35.5/45

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: 189.663+/-0.049 χ^2/NDF: 5084897.5/22

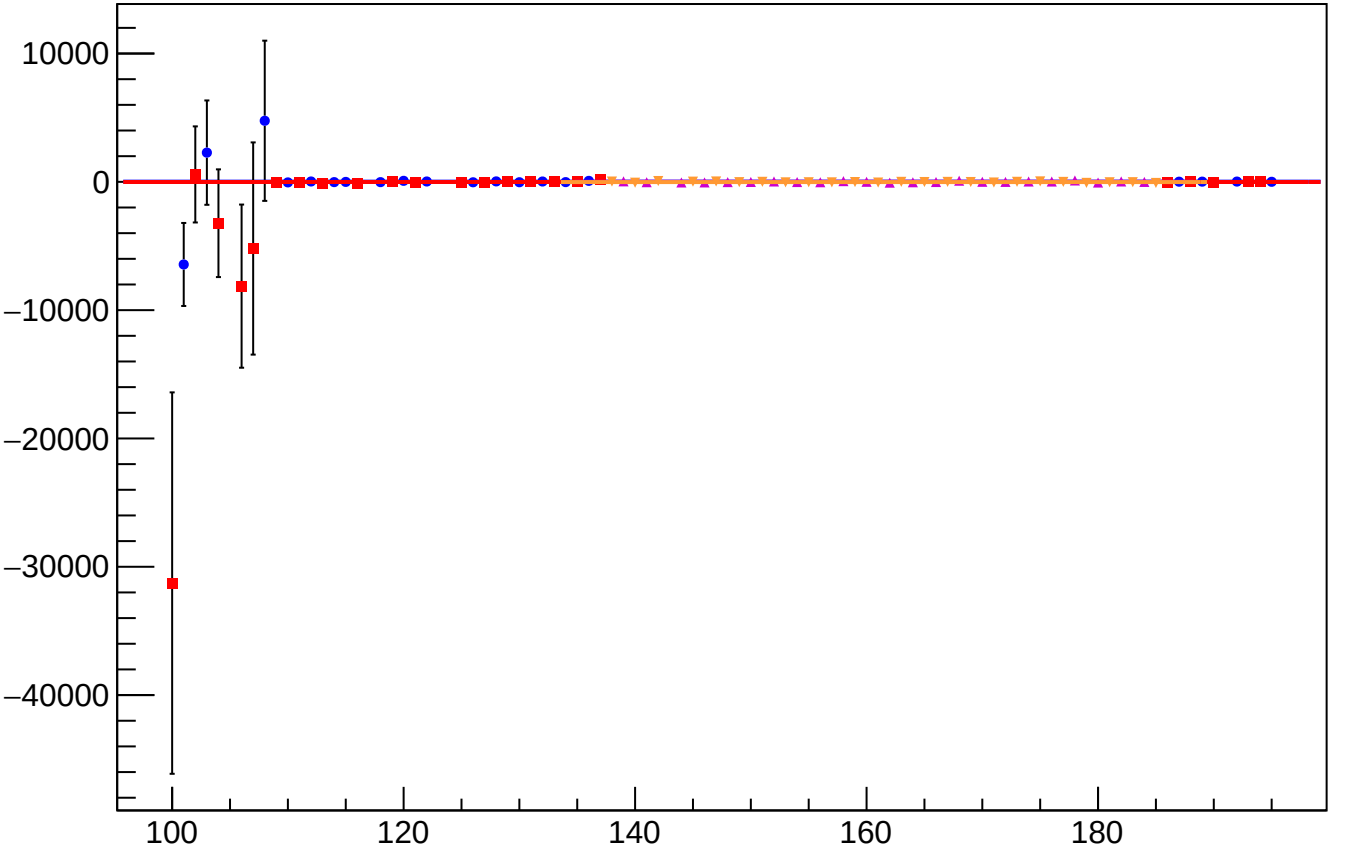
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 196.507+/-0.028 χ^2/NDF: 6356256.9/43

All: 191.533+/-0.019 χ^2/NDF: 12910982.4/89

- sign 187.007+/-0.027 χ^2/NDF: 6494637.5/45

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



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: -11.635+/-10.406 χ^2/NDF: 31.3/22

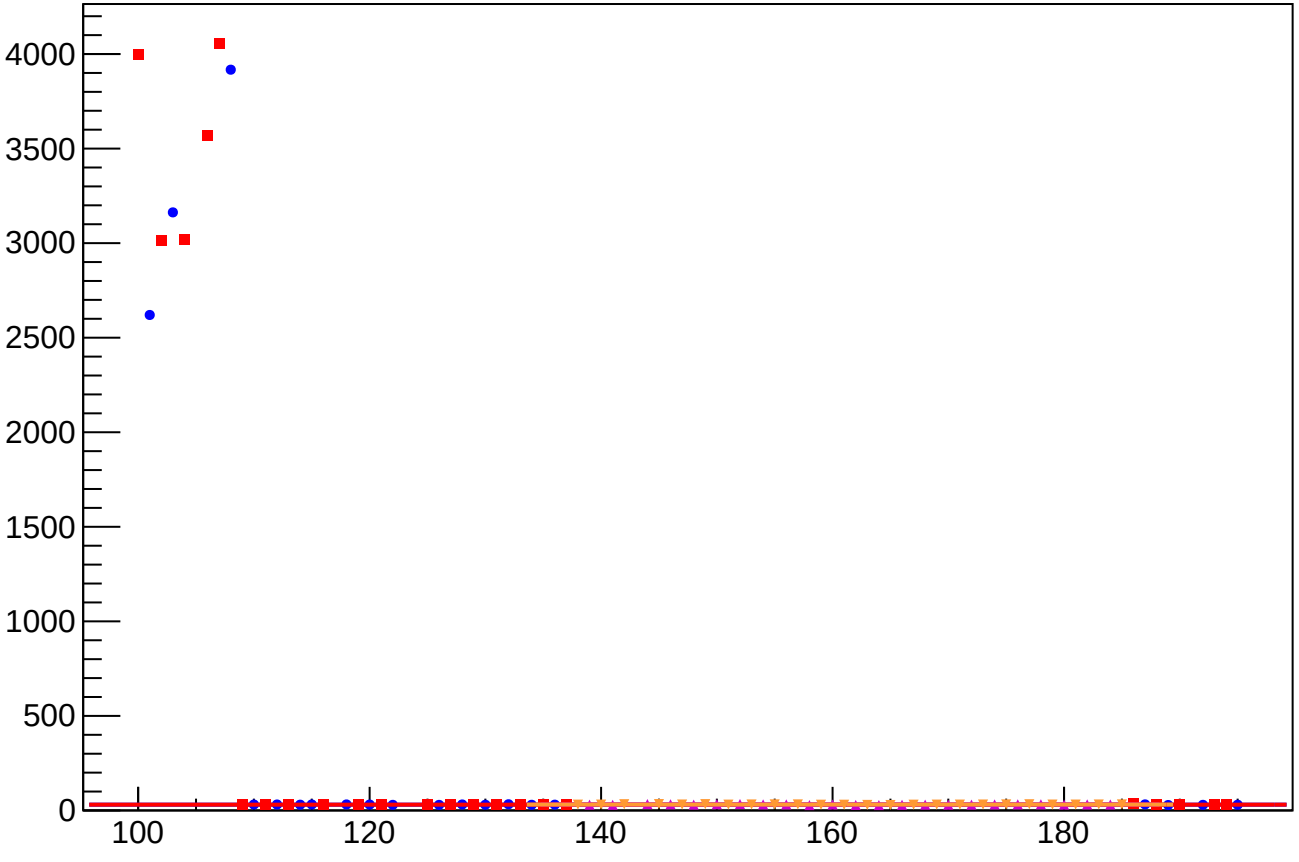
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.108+/-6.005 χ^2/NDF: 42.0/43

All: -5.084+/-4.245 χ^2/NDF: 110.6/89

- sign -2.063+/-6.002 χ^2/NDF: 68.1/45

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: 30.621+/-0.007 χ^2/NDF: 3551995.9/22

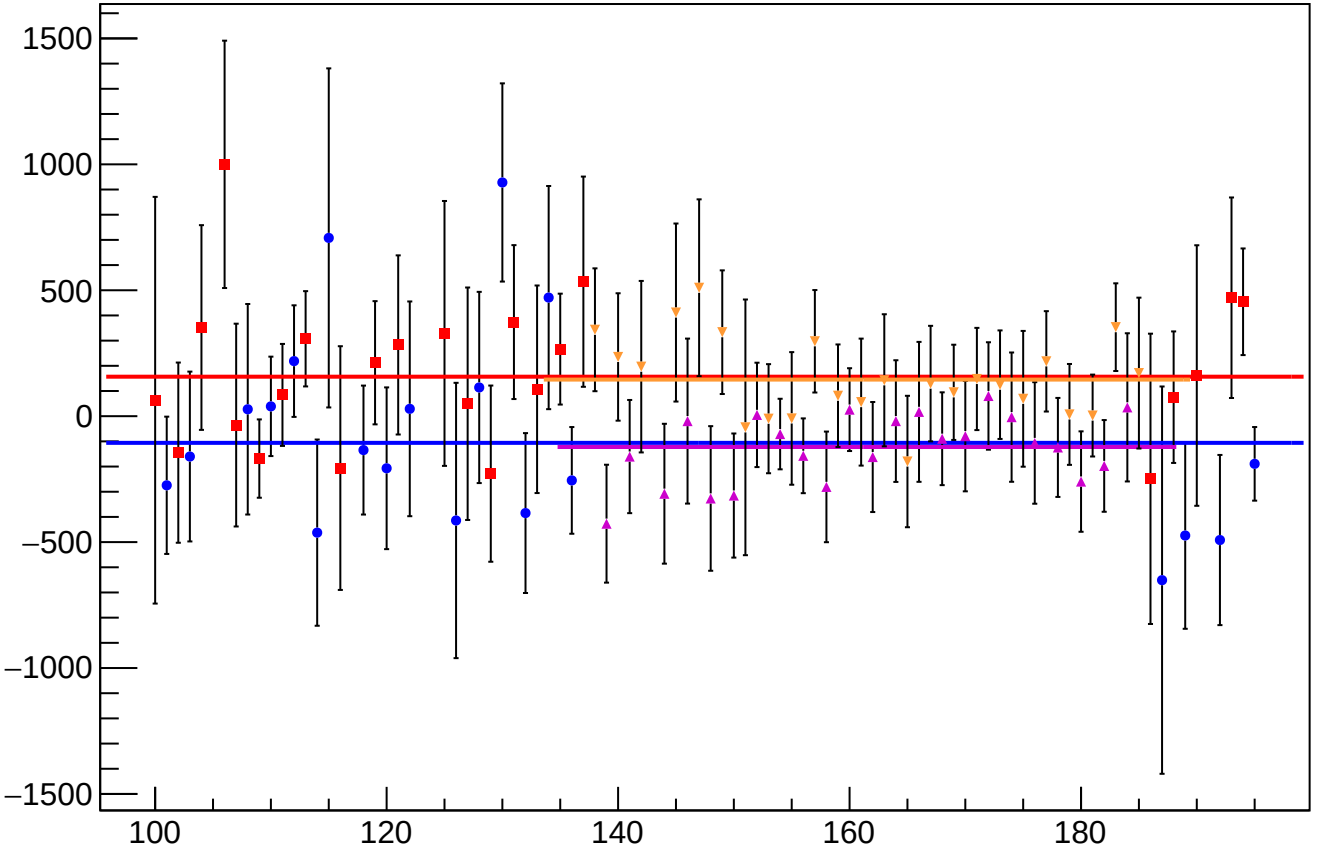
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.005+/-0.004 χ^2/NDF: 3314878.9/43

All: 31.066+/-0.003 χ^2/NDF: 6959598.5/89

- sign 31.127+/-0.004 χ^2/NDF: 3644306.3/45

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: 156.832+/-62.286 χ^2/NDF: 16.1/22

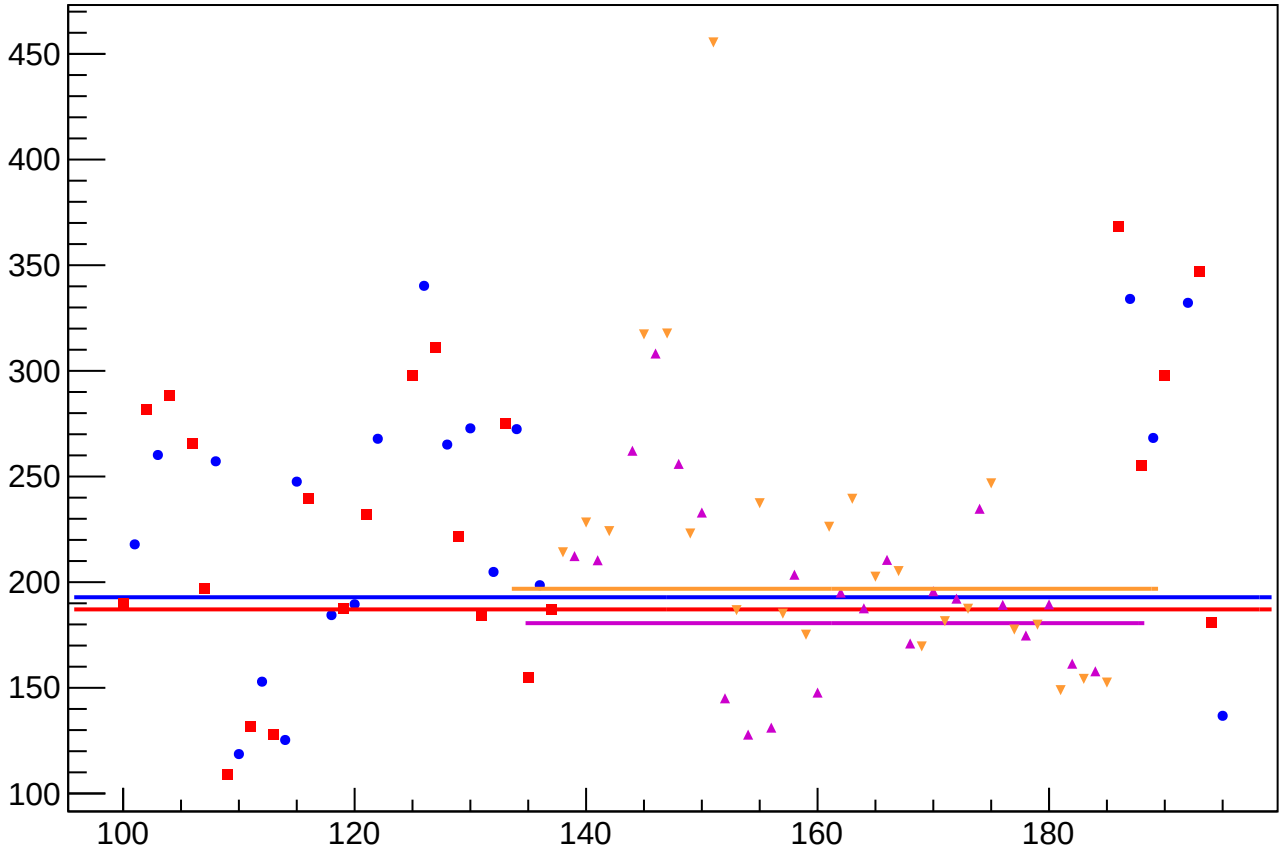
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 59.115+/-38.408 χ^2/NDF: 38.4/43

All: 12.080+/-26.259 χ^2/NDF: 78.7/89

- sign -29.199+/-35.982 χ^2/NDF: 37.4/45

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: 187.115+/-0.044 χ^2/NDF: 2360253.8/22

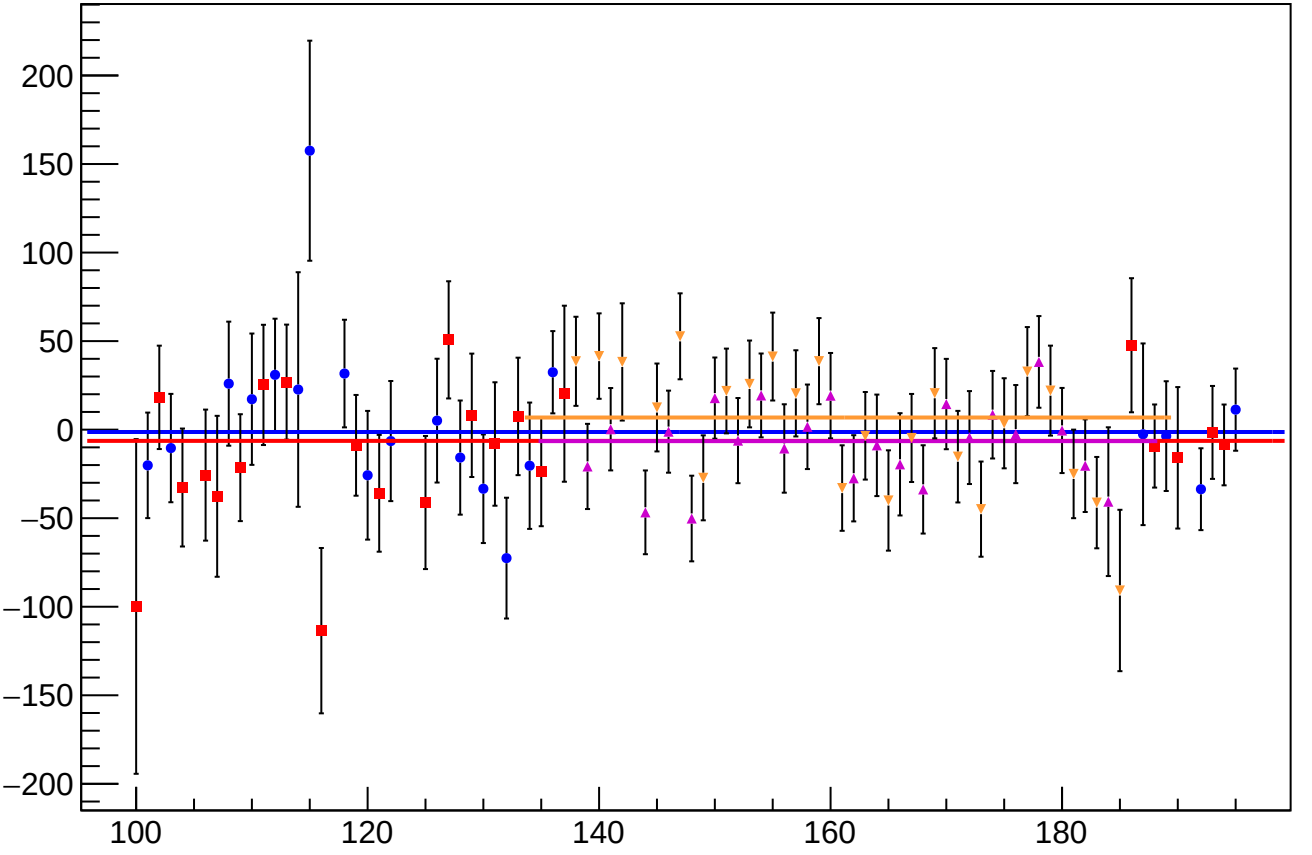
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 195.499+/-0.027 χ^2/NDF: 3520468.3/43

All: 188.722+/-0.019 χ^2/NDF: 7640263.8/89

- sign 182.775+/-0.025 χ^2/NDF: 4002901.4/45

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: -6.340+/-6.888 χ^2/NDF: 18.2/22

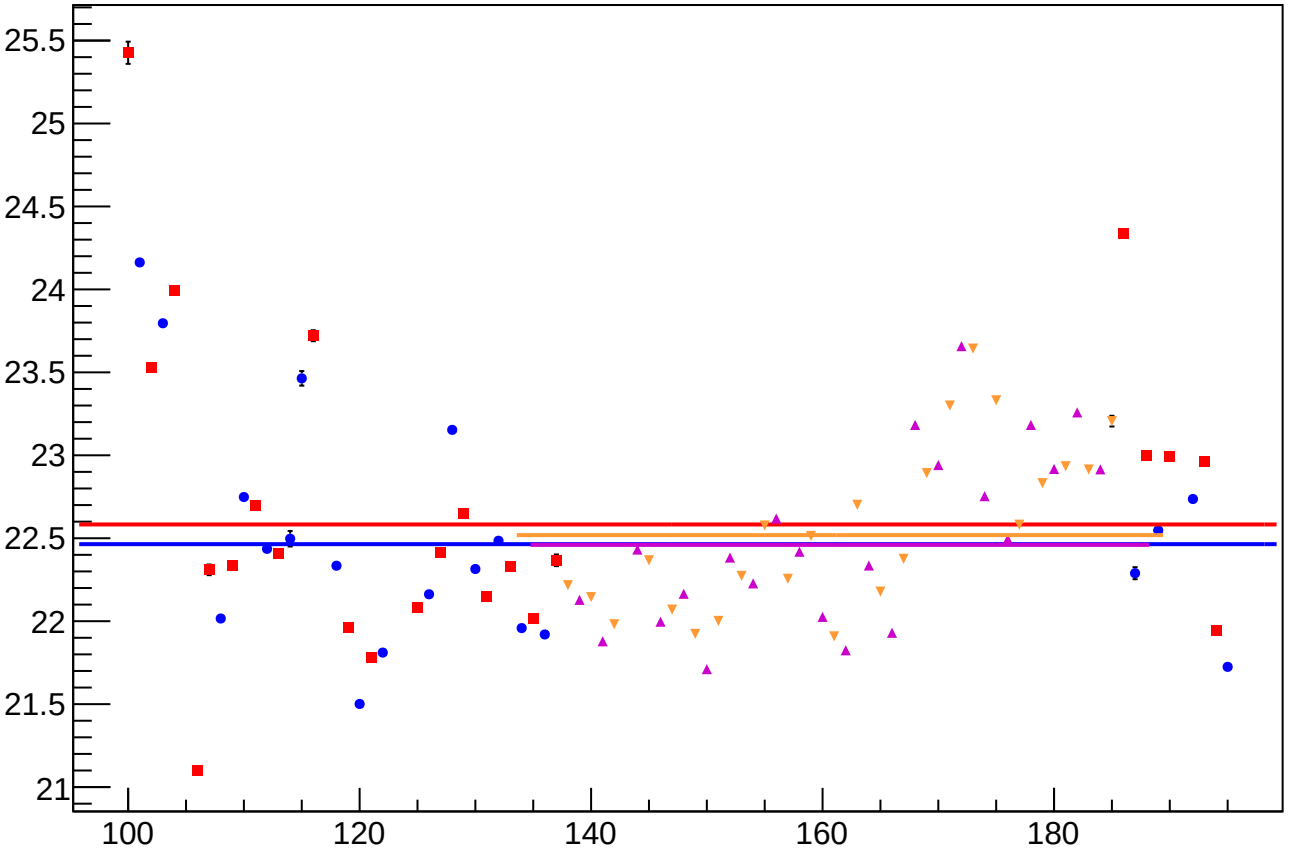
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 4.020+/-4.226 χ^2/NDF: 58.7/43

All: -1.270+/-2.969 χ^2/NDF: 97.5/89

- sign -6.430+/-4.174 χ^2/NDF: 35.7/45

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: 22.583+/-0.005 χ^2/NDF: 22996.0/22

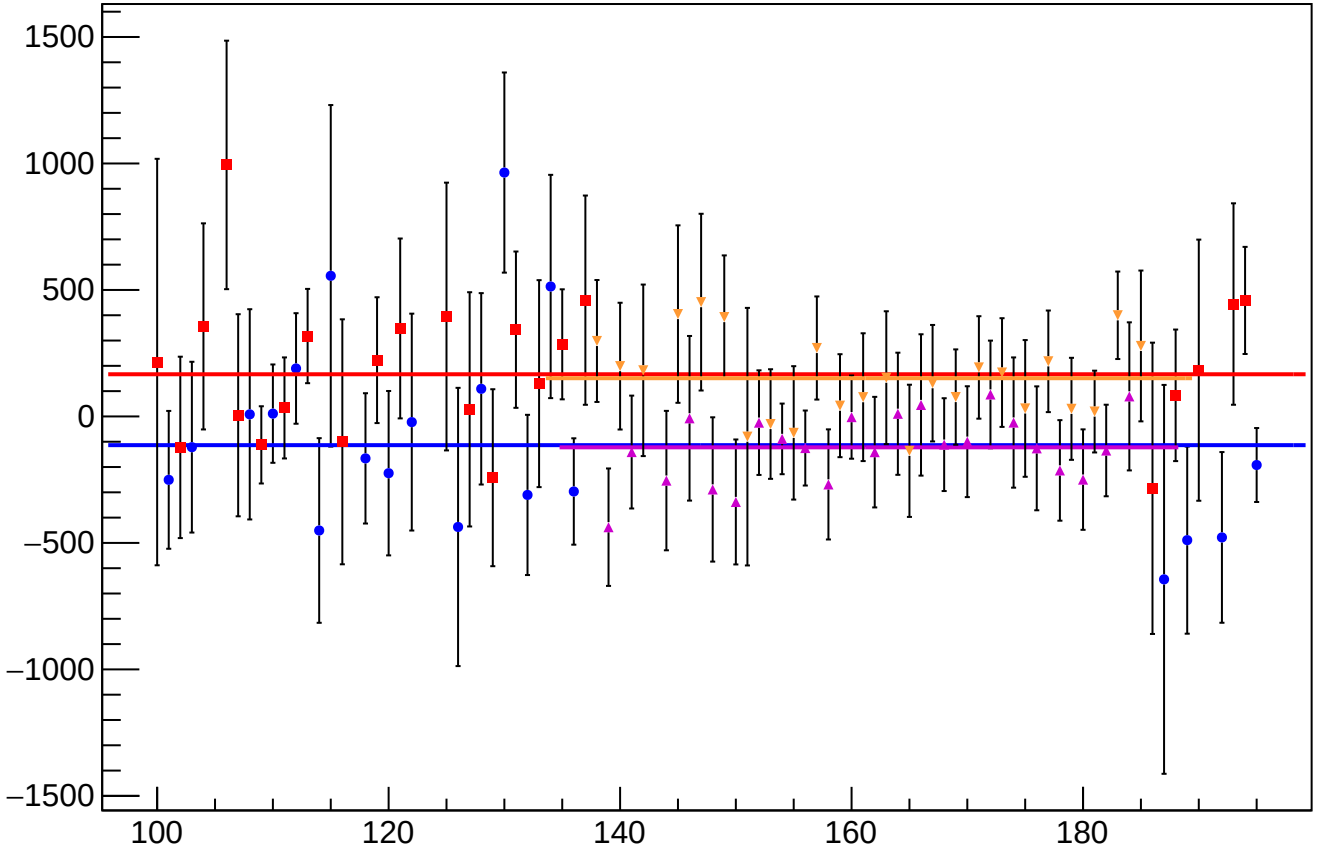
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.500+/-0.003 χ^2/NDF: 34469.8/43

All: 22.503+/-0.002 χ^2/NDF: 76987.3/89

\- sign 22.505+/-0.003 χ^2/NDF: 42515.9/45

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: 166.737+/-61.911 χ^2/NDF: 14.8/22

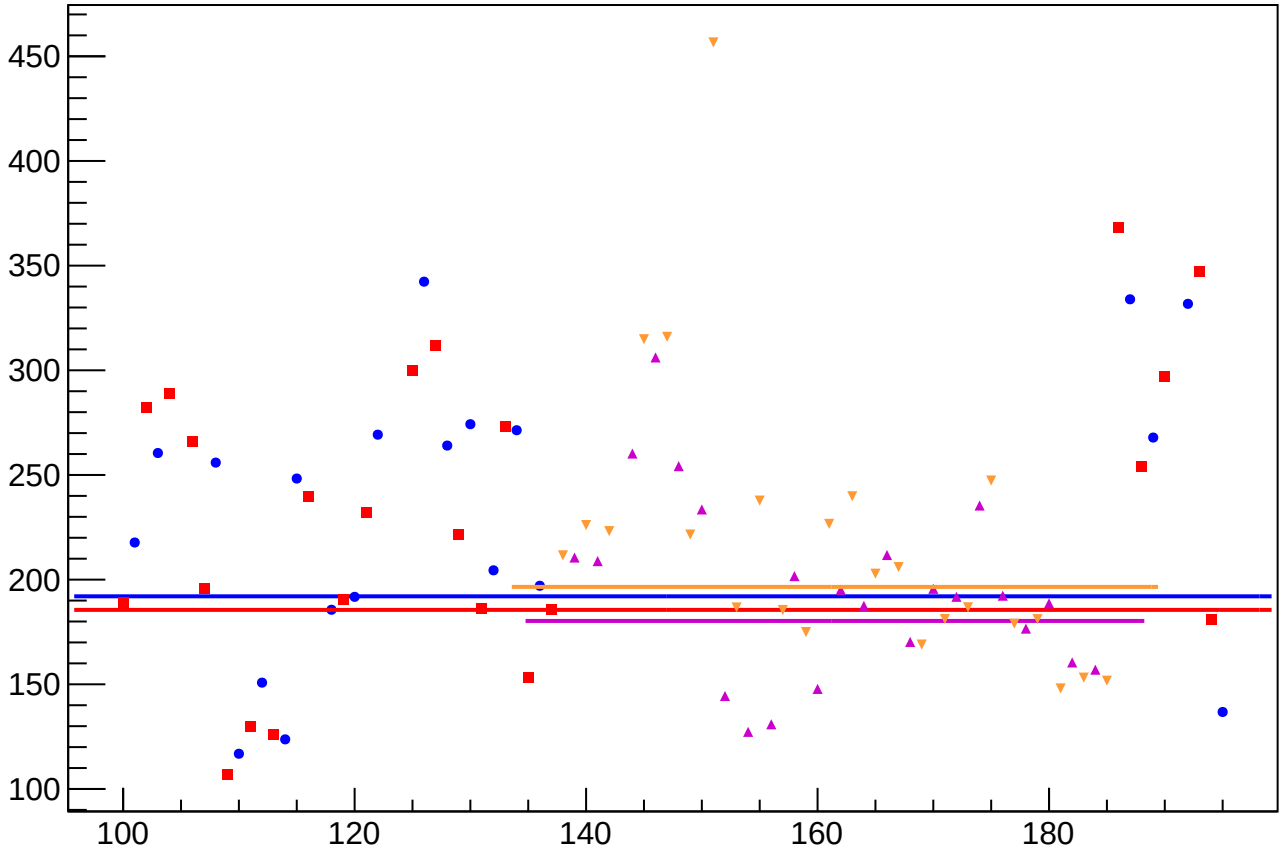
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 60.094+/-38.326 χ^2/NDF: 39.7/43

All: 14.628+/-26.188 χ^2/NDF: 79.1/89

- sign -25.195+/-35.868 χ^2/NDF: 36.7/45

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: 185.549+/-0.044 χ^2/NDF: 2444708.4/22

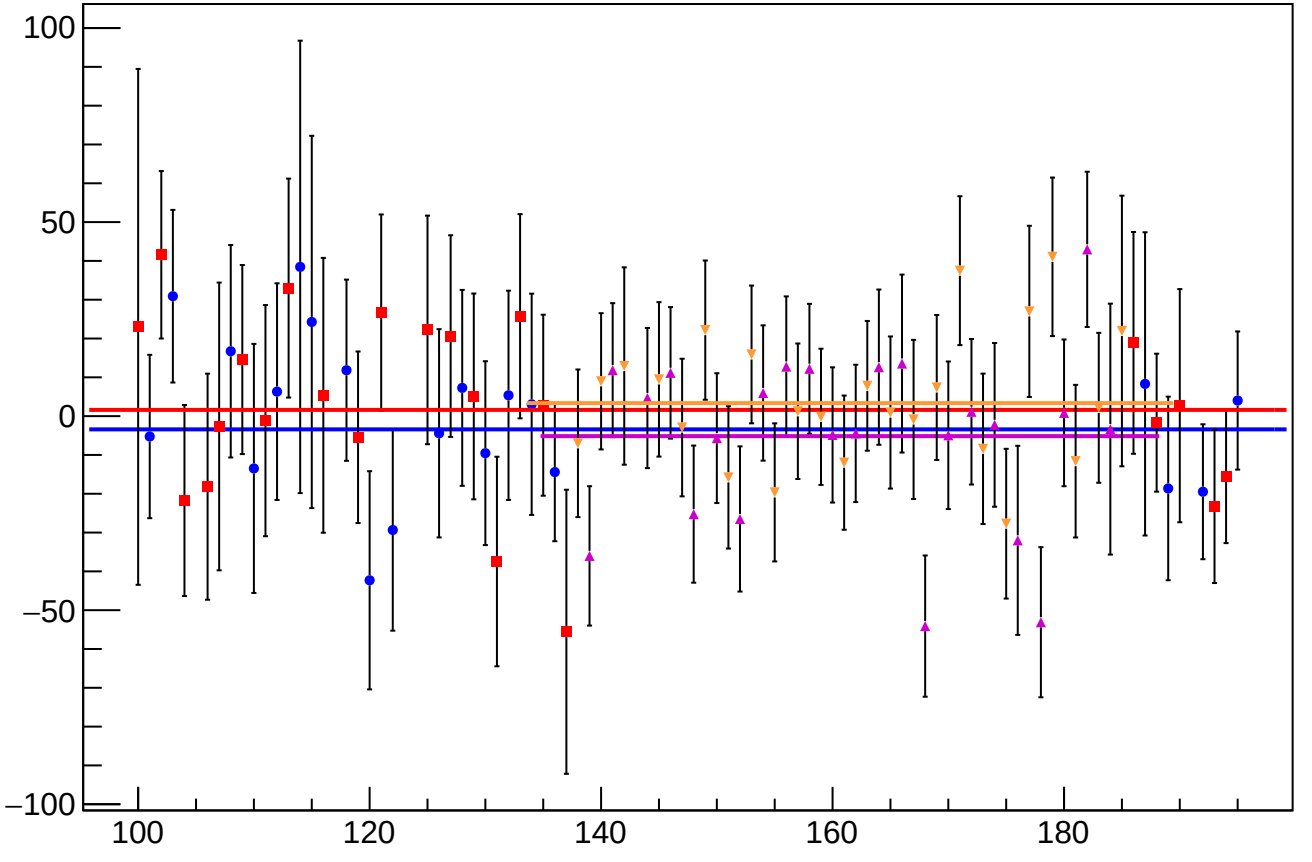
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 194.986+/-0.027 χ^2/NDF: 3560284.5/43

All: 188.087+/-0.019 χ^2/NDF: 7760875.5/89

- sign 182.045+/-0.025 χ^2/NDF: 4079037.5/45

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: 1.610+/-5.322 χ^2/NDF: 16.9/22

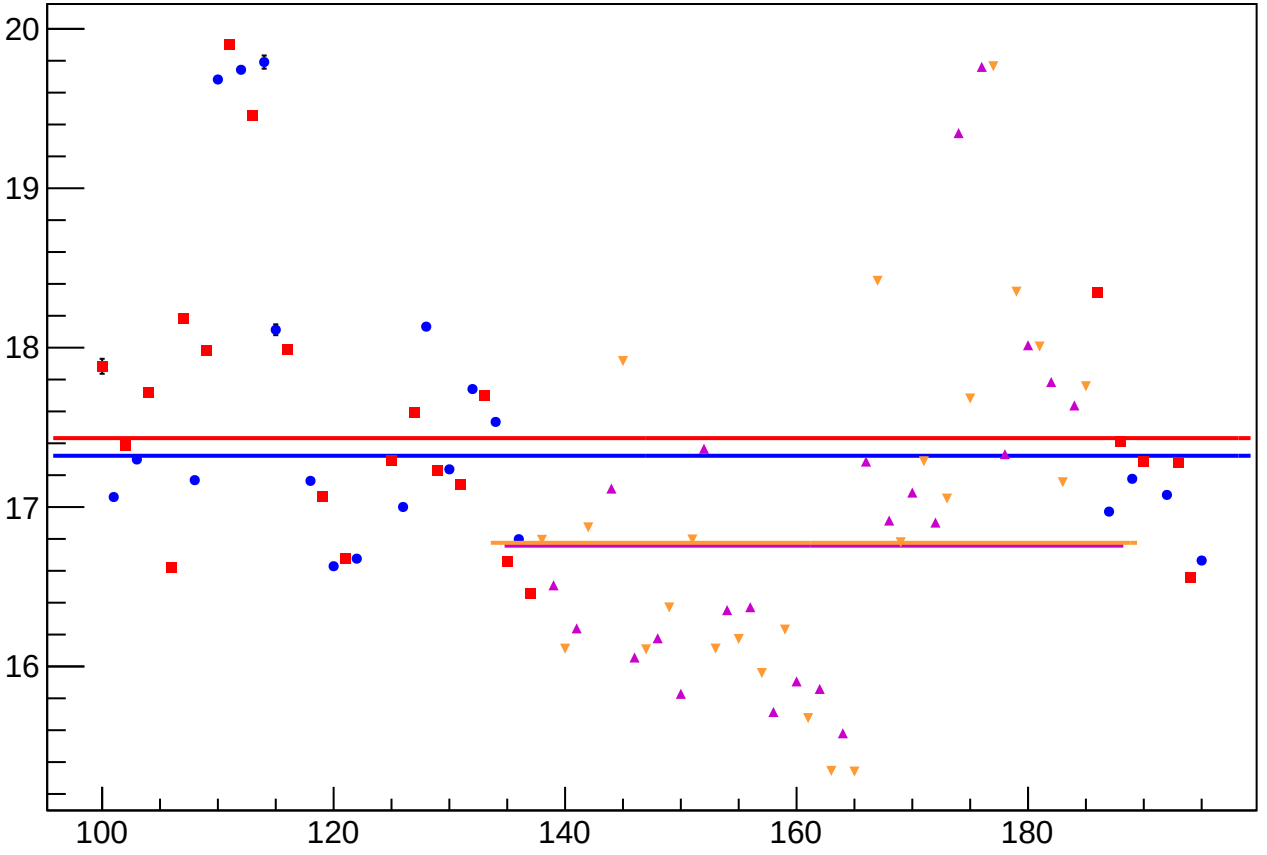
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.113+/-3.192 χ^2/NDF: 28.3/43

All: -0.849+/-2.245 χ^2/NDF: 79.3/89

- sign -2.770+/-3.158 χ^2/NDF: 50.3/45

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: 17.432+/-0.004 χ^2/NDF: 42348.7/22

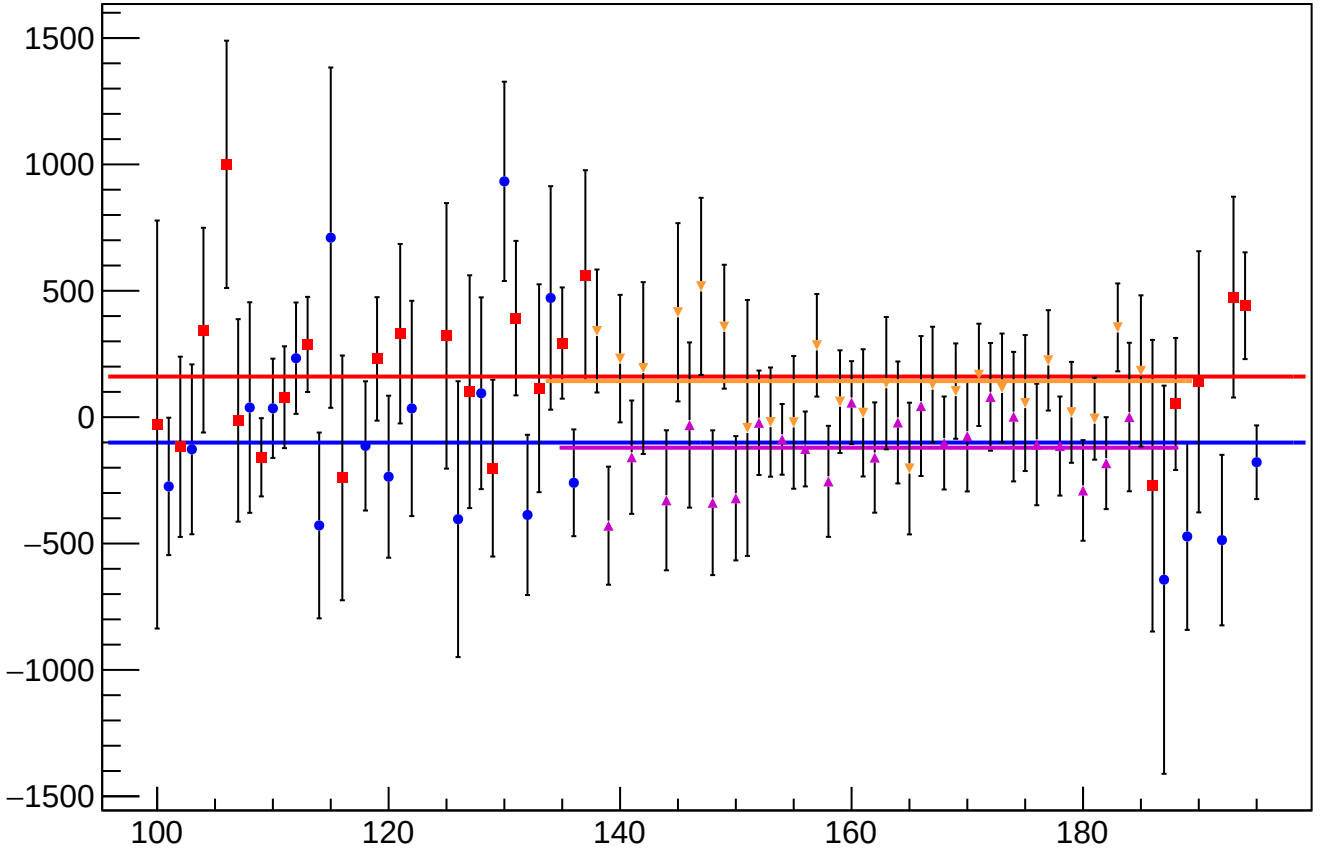
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.957+/-0.002 χ^2/NDF: 190092.1/43

All: 16.976+/-0.002 χ^2/NDF: 376711.8/89

- sign 16.995+/-0.002 χ^2/NDF: 186473.2/45

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: 160.669+/-62.109 χ^2/NDF: 16.1/22

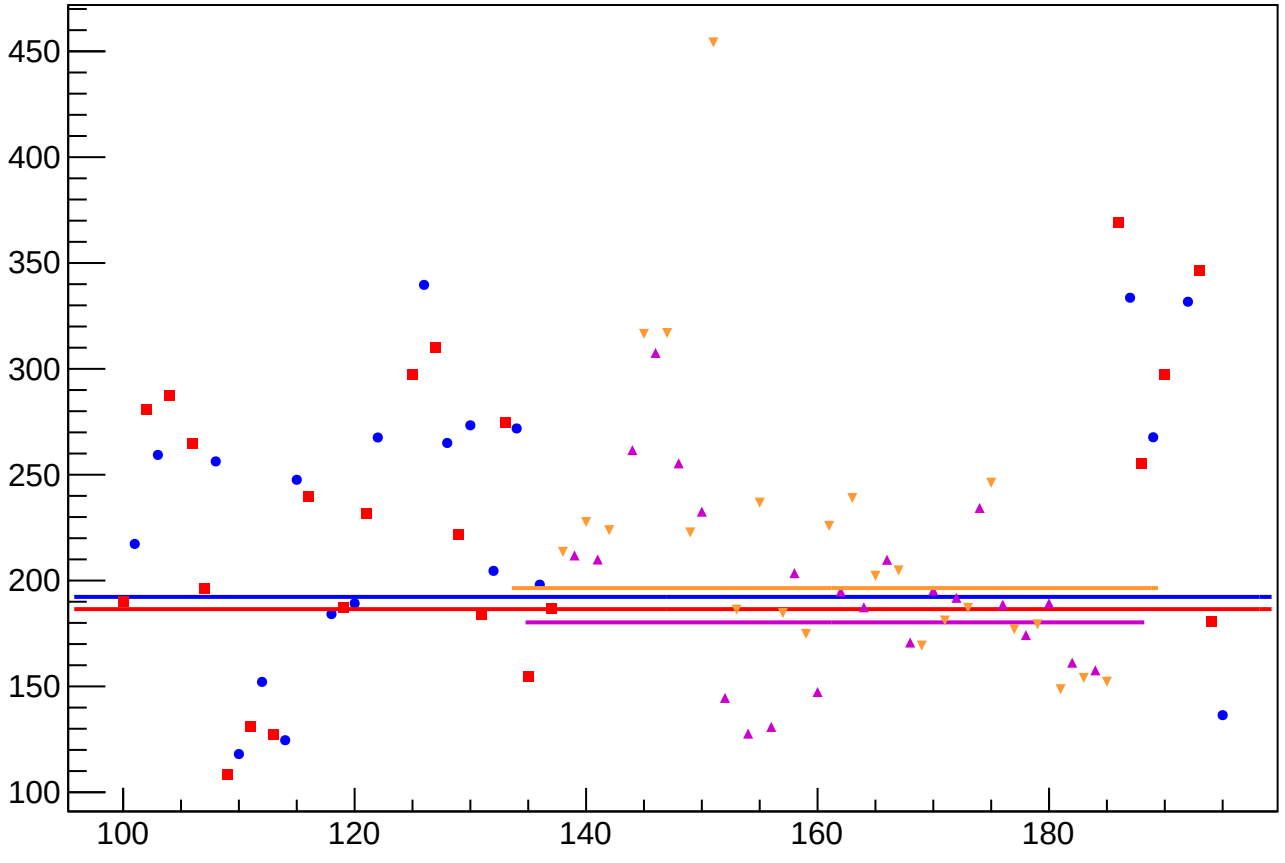
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 59.182+/-38.318 χ^2/NDF: 38.7/43

All: 13.385+/-26.198 χ^2/NDF: 79.3/89

- sign -26.817+/-35.900 χ^2/NDF: 38.0/45

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: 186.500+/-0.044 χ^2/NDF: 2377545.3/22

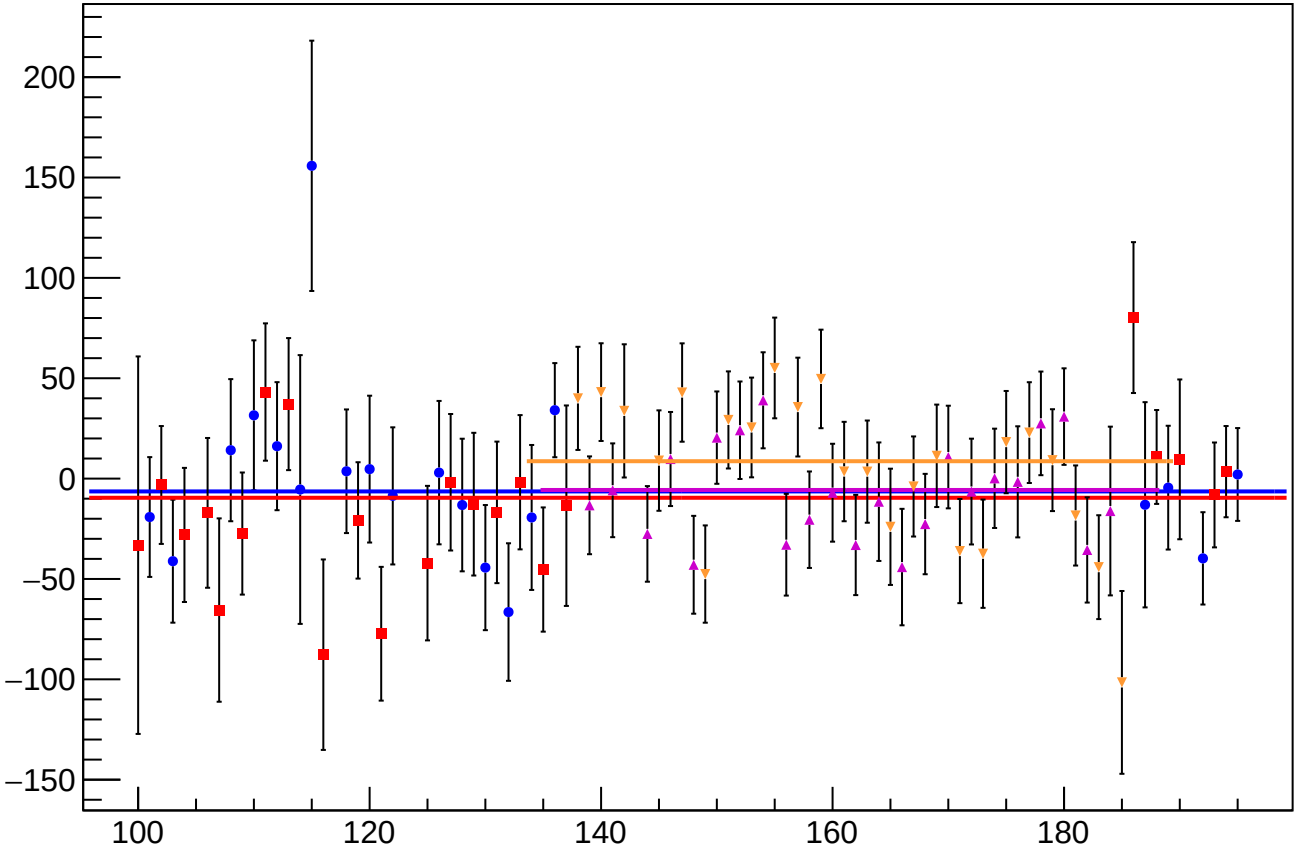
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 195.020+/-0.027 χ^2/NDF: 3530521.9/43

All: 188.266+/-0.019 χ^2/NDF: 7666038.3/89

- sign 182.337+/-0.025 χ^2/NDF: 4018818.9/45

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: -9.549+/-6.933 χ^2/NDF: 22.9/22

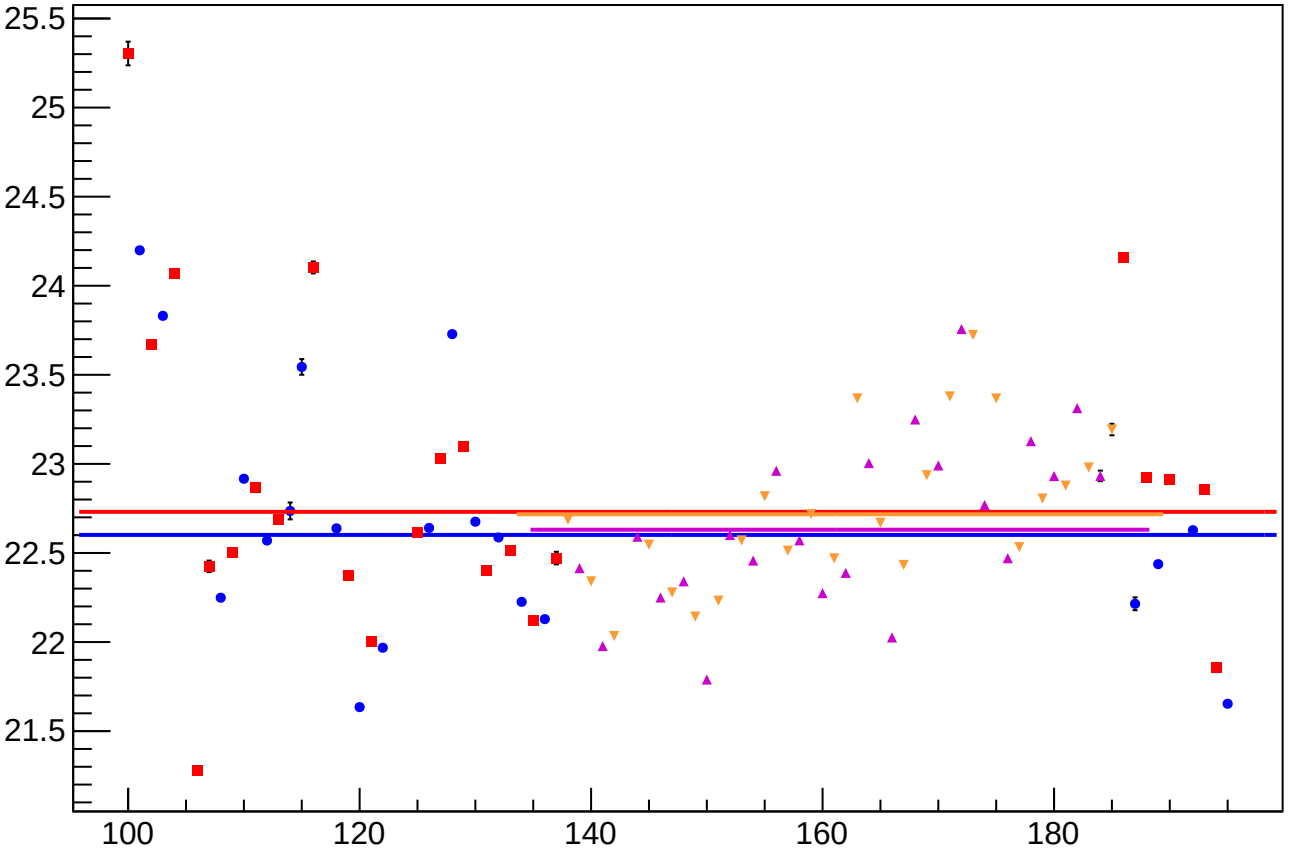
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.426+/-4.259 χ^2/NDF: 62.3/43

All: -1.903+/-2.992 χ^2/NDF: 109.4/89

- sign -7.095+/-4.204 χ^2/NDF: 43.9/45

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: 22.731+/-0.005 χ^2/NDF: 20453.7/22

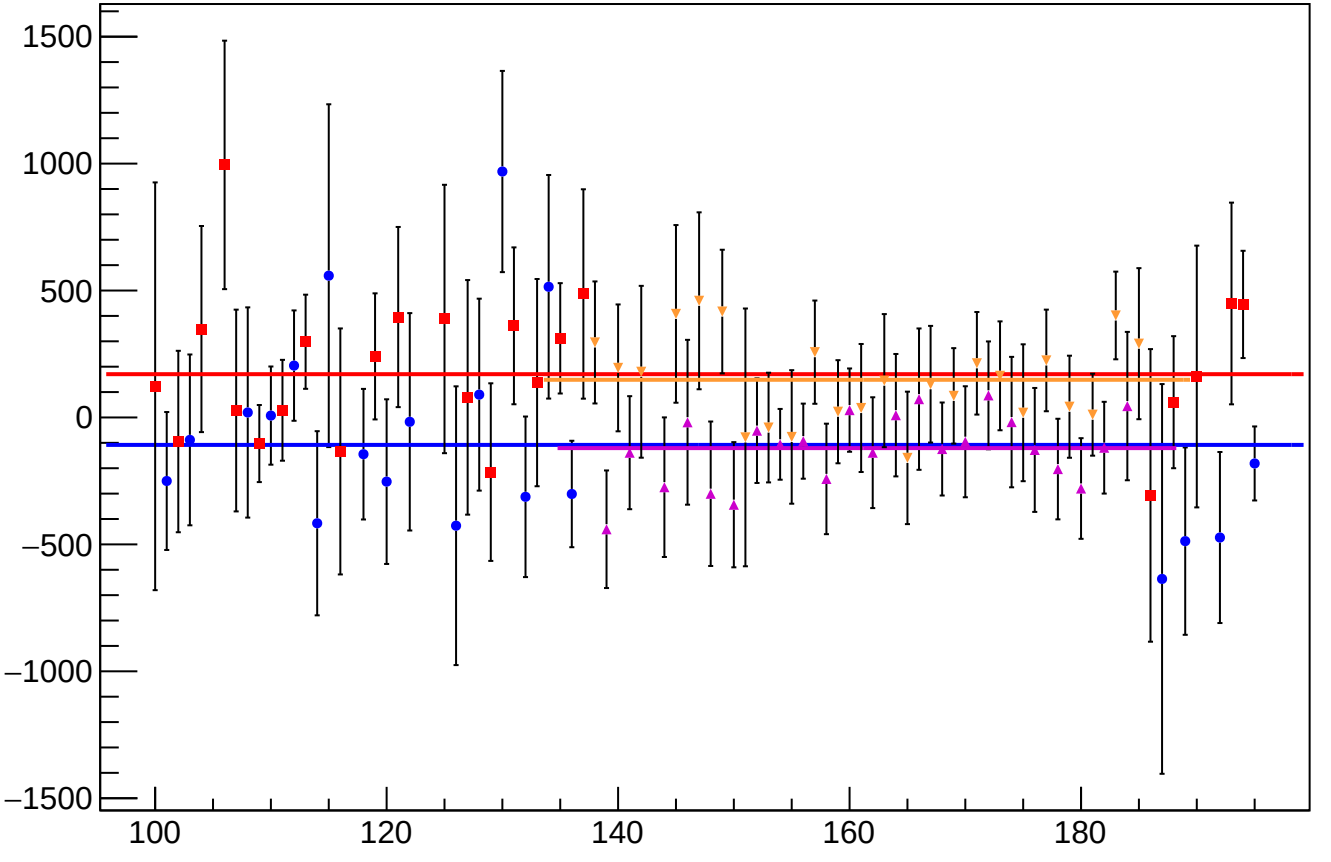
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.677+/-0.003 χ^2/NDF: 31264.3/43

All: 22.672+/-0.002 χ^2/NDF: 67380.1/89

- sign 22.667+/-0.003 χ^2/NDF: 36111.0/45

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: 170.517+/-61.731 χ^2/NDF: 14.7/22

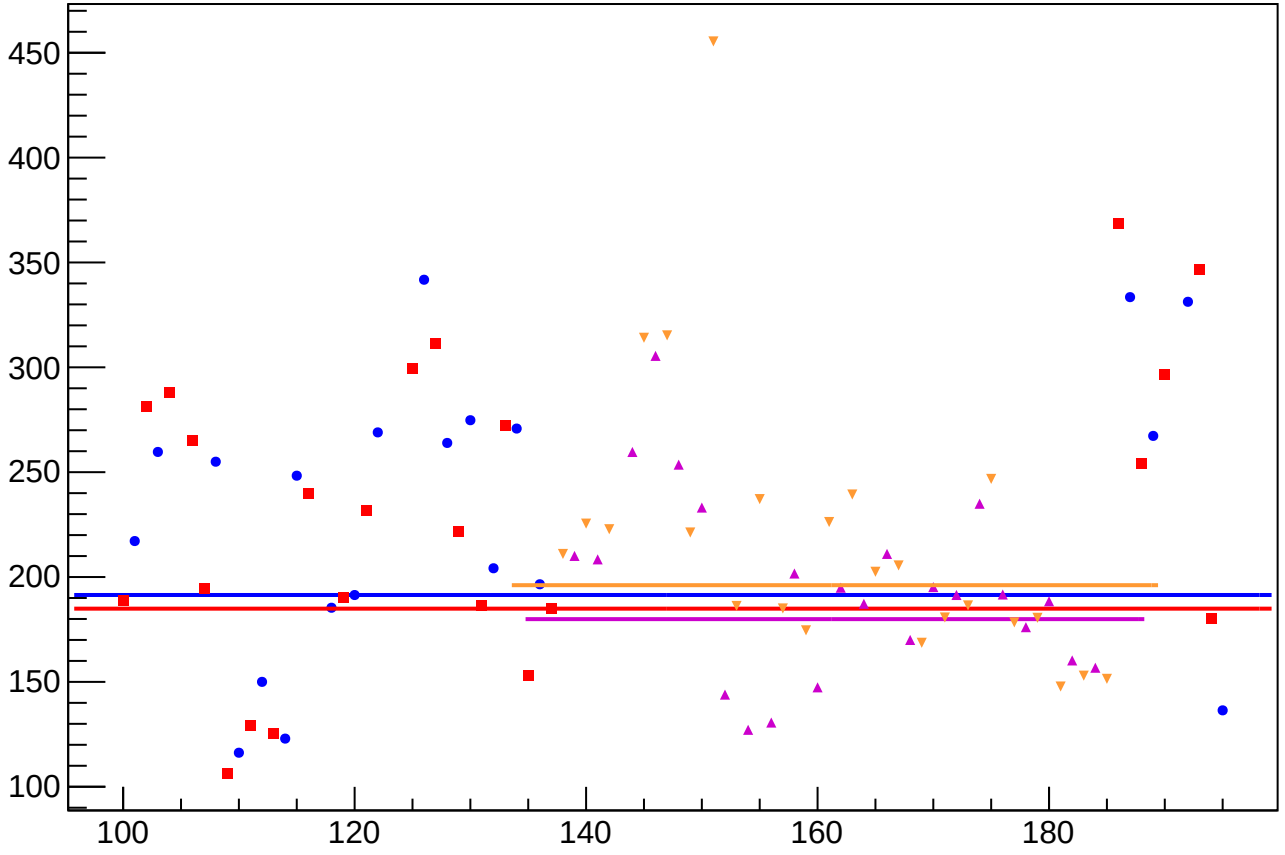
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 60.133+/-38.234 χ^2/NDF: 40.1/43

All: 15.891+/-26.127 χ^2/NDF: 79.9/89

- sign -22.868+/-35.787 χ^2/NDF: 37.4/45

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: 184.922+/-0.044 χ^2/NDF: 2463015.9/22

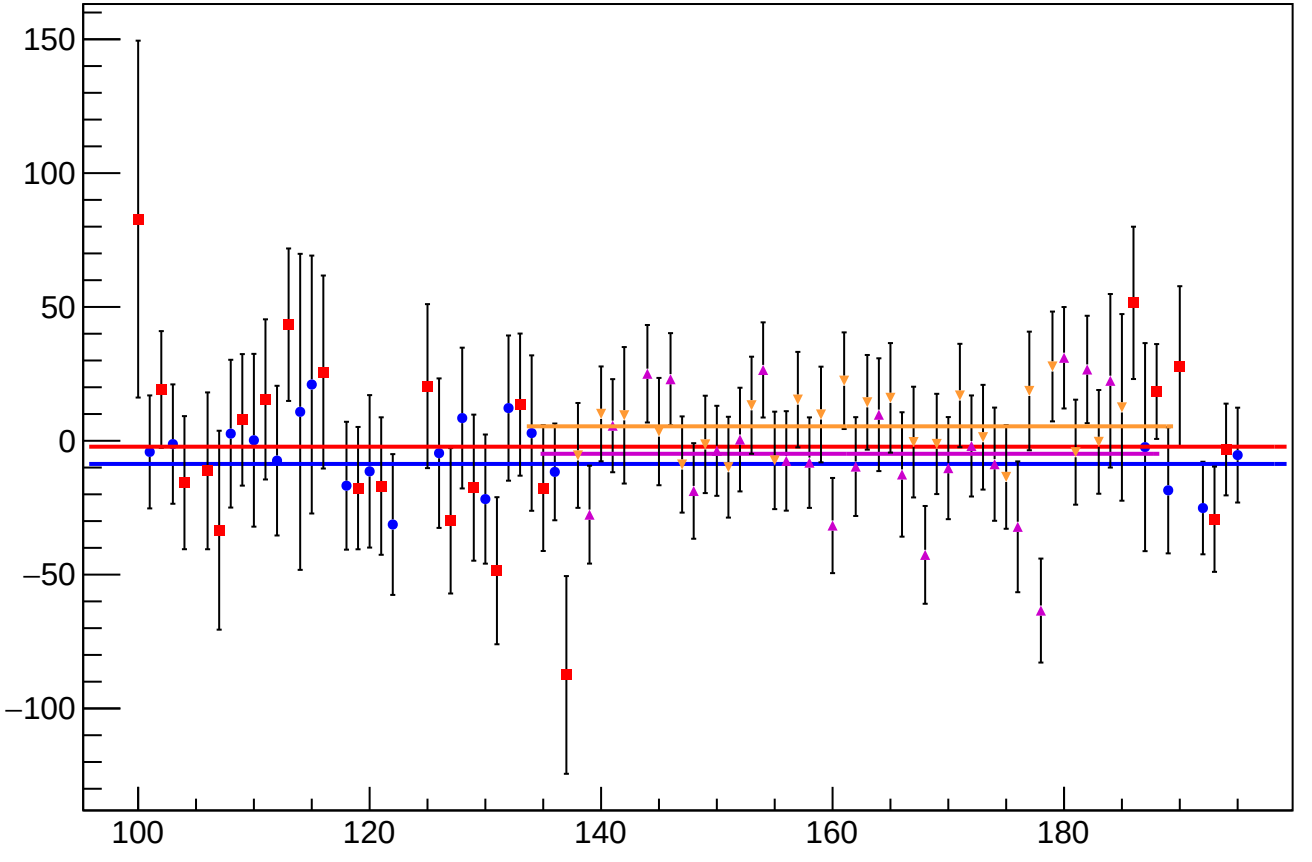
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 194.504+/-0.027 χ^2/NDF: 3571024.5/43

All: 187.627+/-0.018 χ^2/NDF: 7788255.5/89

- sign 181.603+/-0.025 χ^2/NDF: 4095865.3/45

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: -2.208+/-5.374 χ^2/NDF: 26.8/22

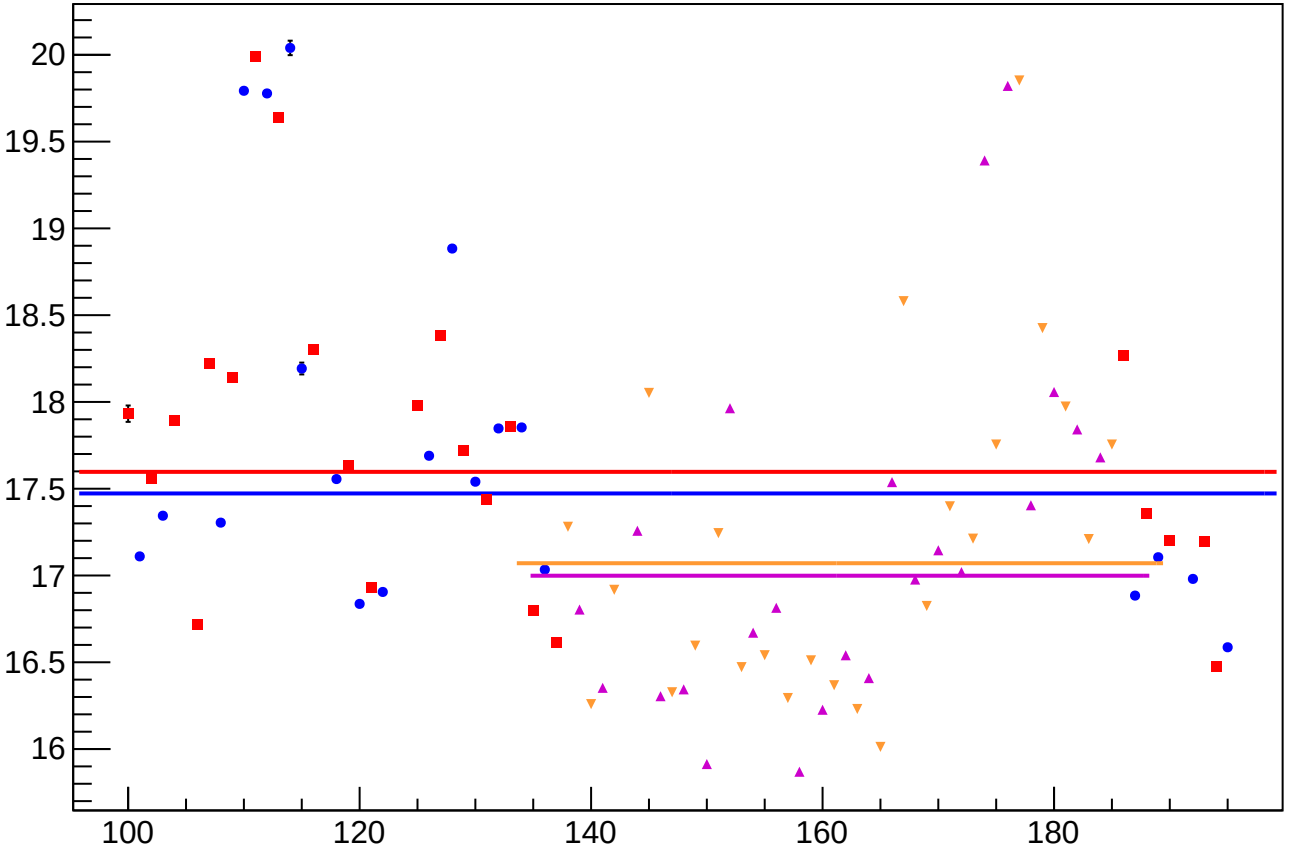
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.691+/-3.238 χ^2/NDF: 16.4/43

All: -1.642+/-2.275 χ^2/NDF: 79.9/89

- sign -3.920+/-3.199 χ^2/NDF: 62.5/45

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: 17.597+/-0.004 χ^2/NDF: 46072.2/22

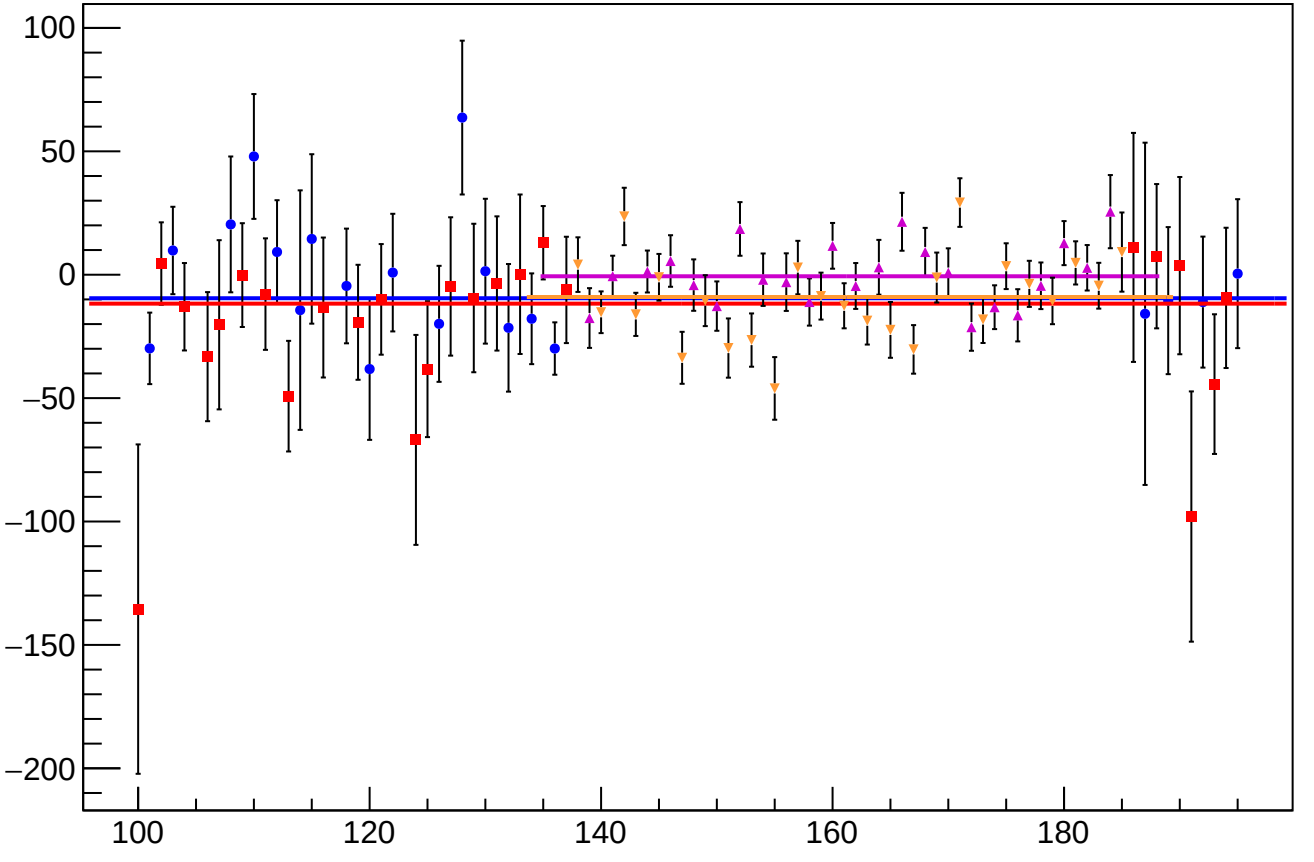
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.206+/-0.002 χ^2/NDF: 149388.9/43

All: 17.208+/-0.002 χ^2/NDF: 315498.2/89

\- sign 17.211+/-0.002 χ^2/NDF: 166106.8/45

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: -11.718+/-5.056 χ^2/NDF: 19.2/24

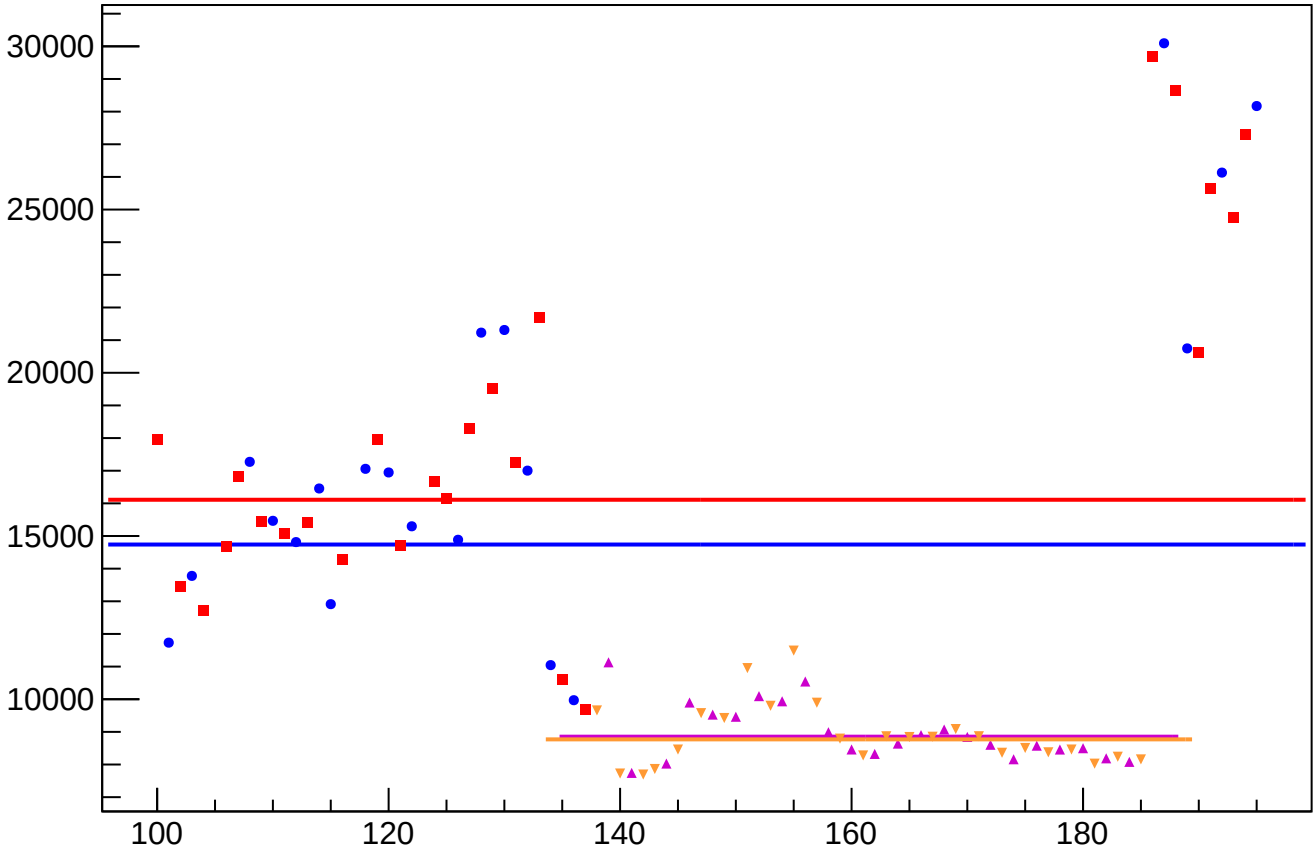
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.098+/-1.861 χ^2/NDF: 84.1/44

All: -5.778+/-1.337 χ^2/NDF: 143.5/92

- sign -2.232+/-1.923 χ^2/NDF: 52.8/47

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: 16110.392+/-3.575 χ^2/NDF: 1857964.0/24

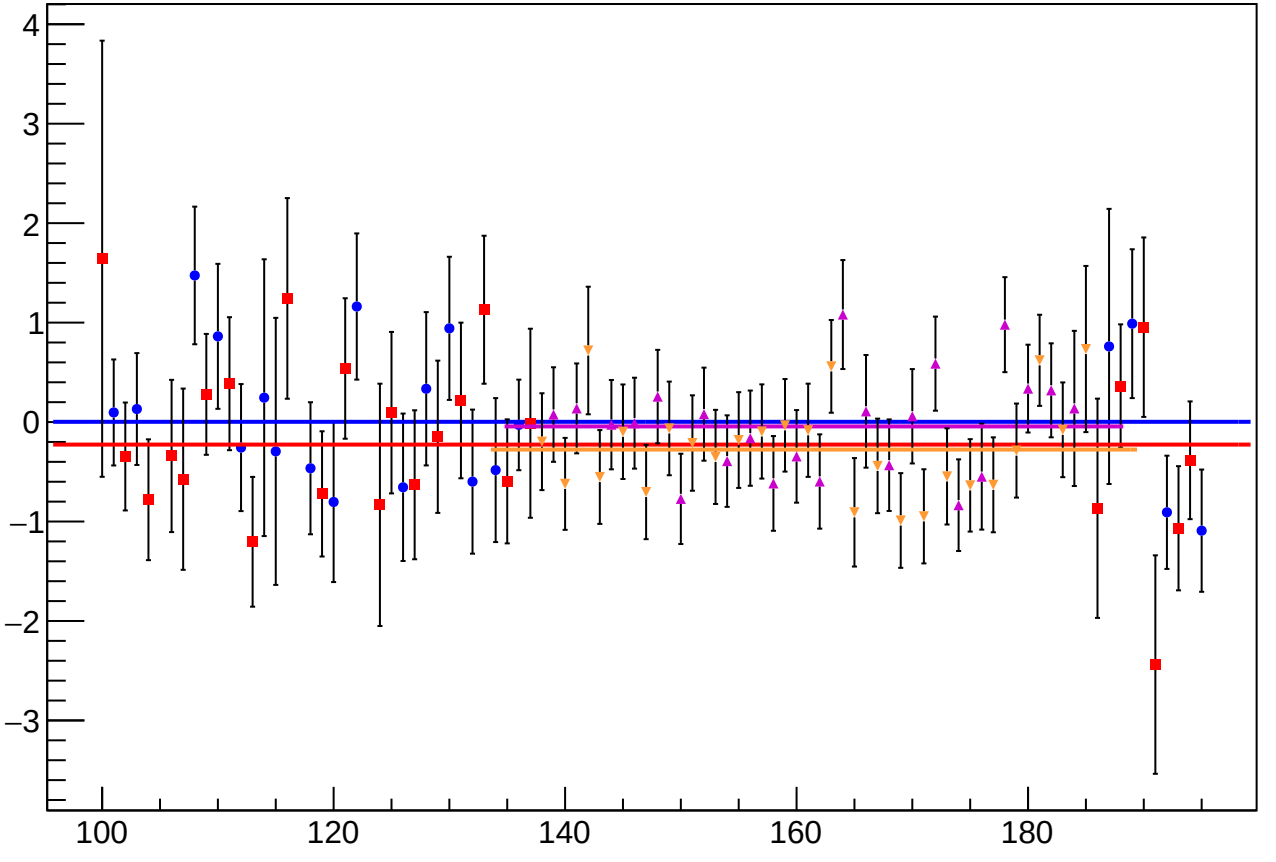
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9605.117+/-1.316 χ^2/NDF: 4603118.9/44

All: 9749.075+/-0.946 χ^2/NDF: 10310908.5/9

- sign 9902.810+/-1.360 χ^2/NDF: 5683037.1/47

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: -0.226+/-0.148 χ^2/NDF: 23.1/24

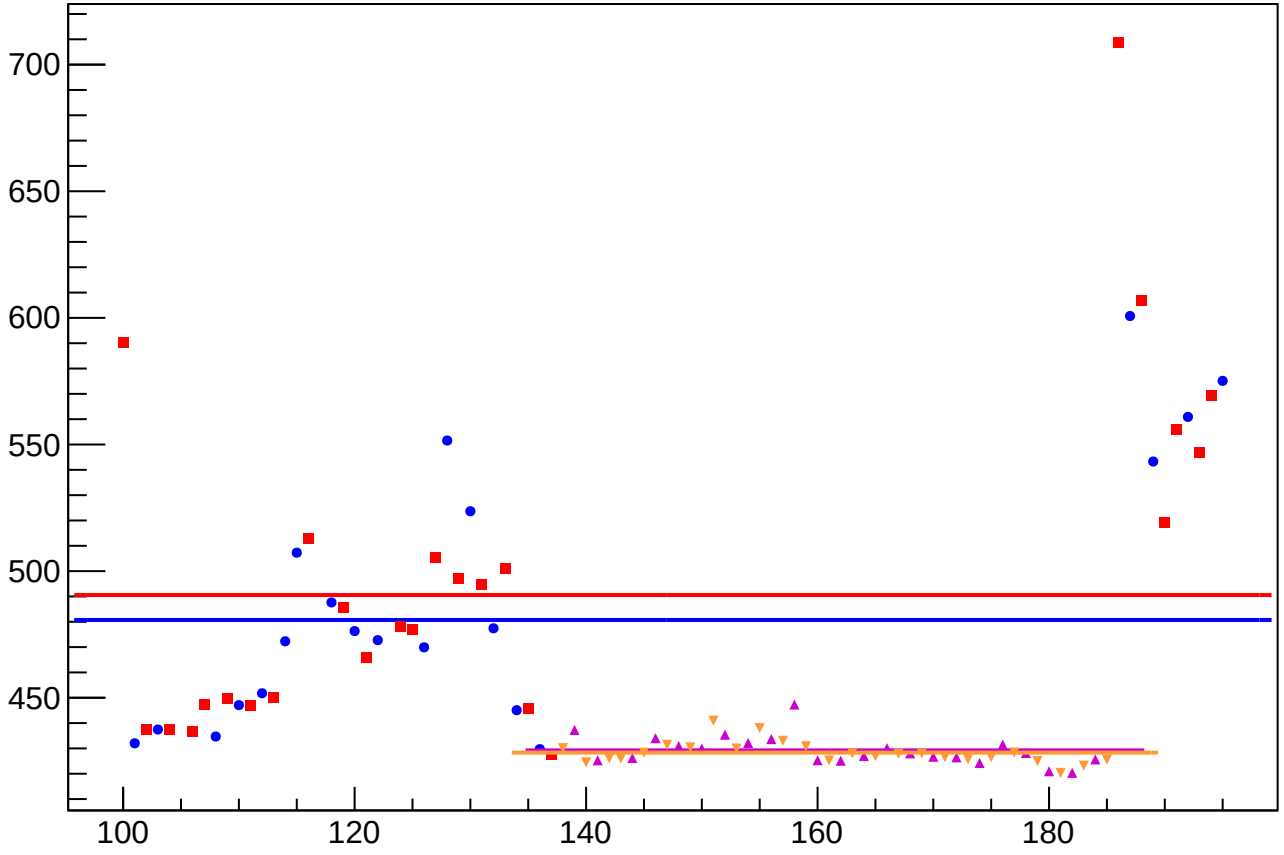
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.197+/-0.082 χ^2/NDF: 45.2/44

All: -0.150+/-0.058 χ^2/NDF: 93.8/92

- sign -0.101+/-0.083 χ^2/NDF: 48.0/47

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: 490.565+/-0.105 χ^2/NDF: 312295.0/24

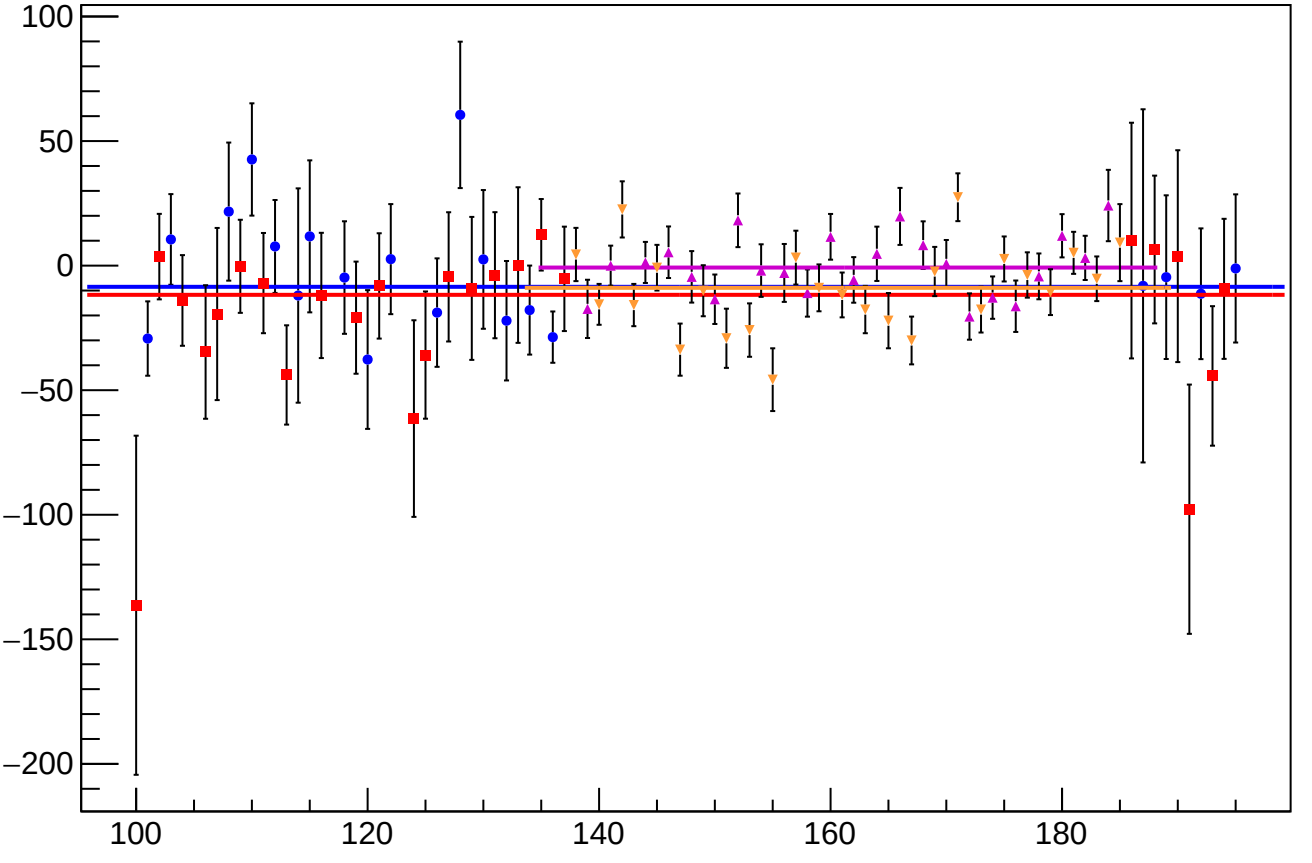
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 443.235+/-0.058 χ^2/NDF: 386259.4/44

All: 445.865+/-0.041 χ^2/NDF: 945211.3/92

- sign 448.538+/-0.059 χ^2/NDF: 554833.9/47

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: -11.720+/-4.869 χ^2/NDF: 18.9/24

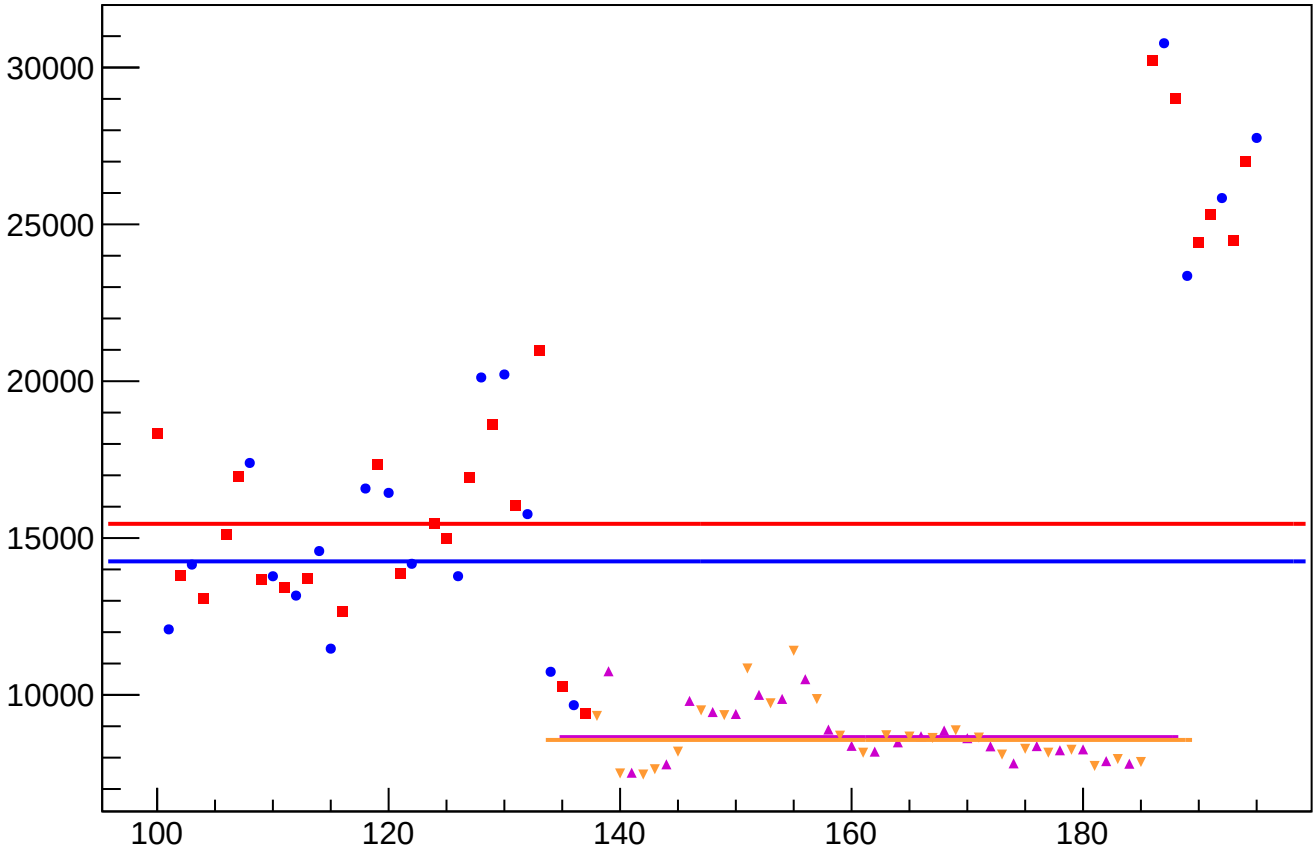
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.848+/-1.816 χ^2/NDF: 83.9/44

All: -5.729+/-1.305 χ^2/NDF: 142.6/92

- sign -2.399+/-1.877 χ^2/NDF: 52.5/47

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: 15453.484+/-3.443 χ^2/NDF: 2013576.5/24

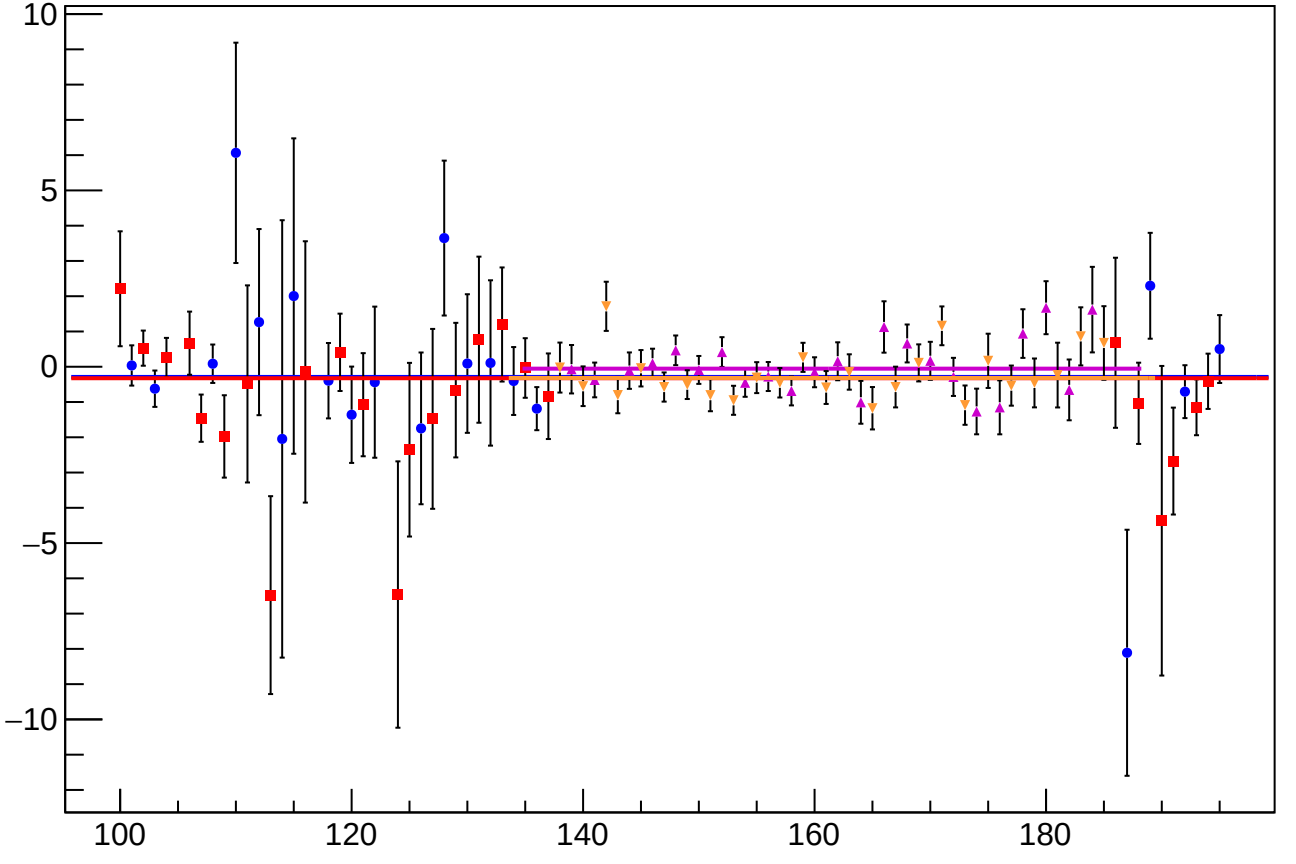
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9374.296+/-1.284 χ^2/NDF: 4642300.9/44

All: 9514.604+/-0.923 χ^2/NDF: 10346690.3/9

- sign 9664.456+/-1.327 χ^2/NDF: 5679699.7/47

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: -0.326+/-0.216 χ^2/NDF: 27.9/24

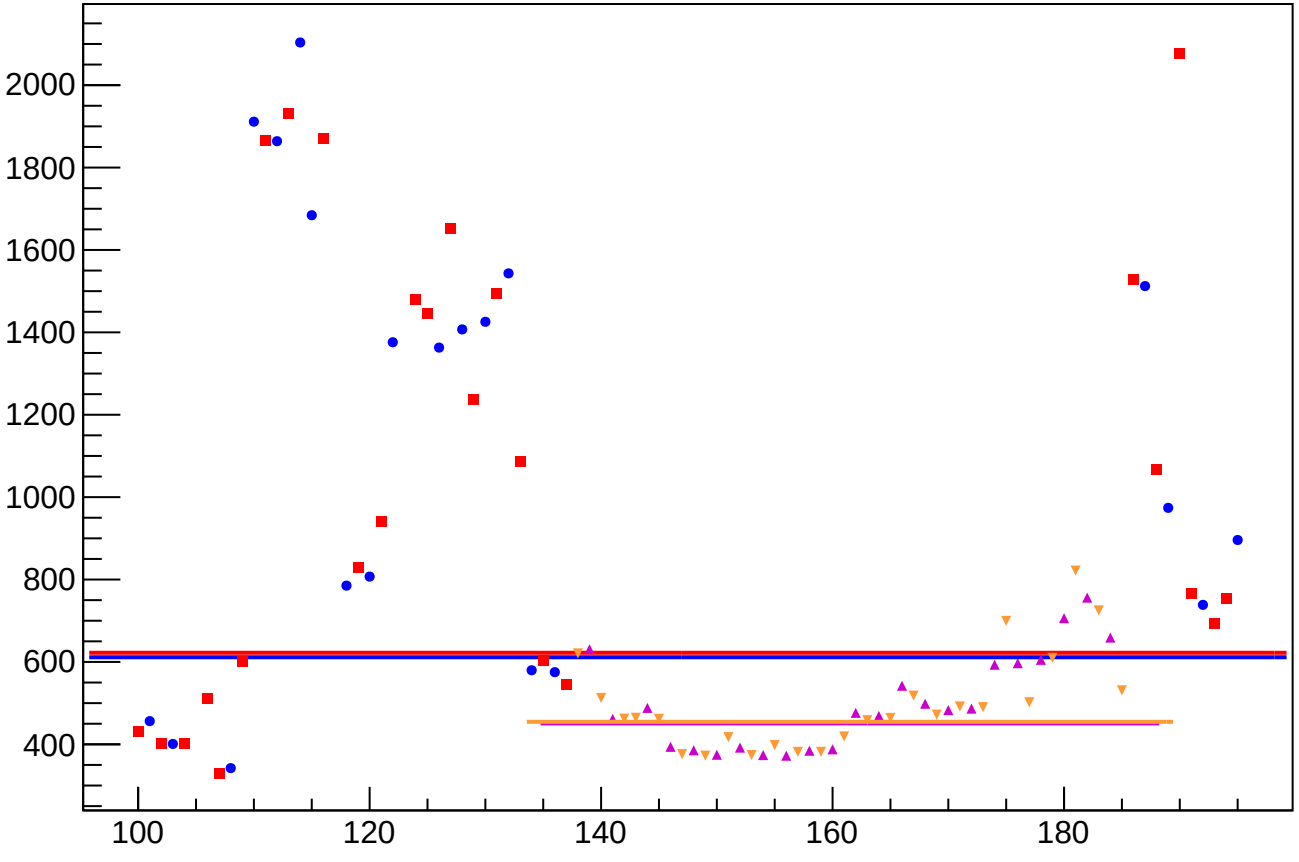
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.312+/-0.096 χ^2/NDF: 53.9/44

All: -0.211+/-0.068 χ^2/NDF: 115.1/92

- sign -0.108+/-0.097 χ^2/NDF: 59.0/47

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

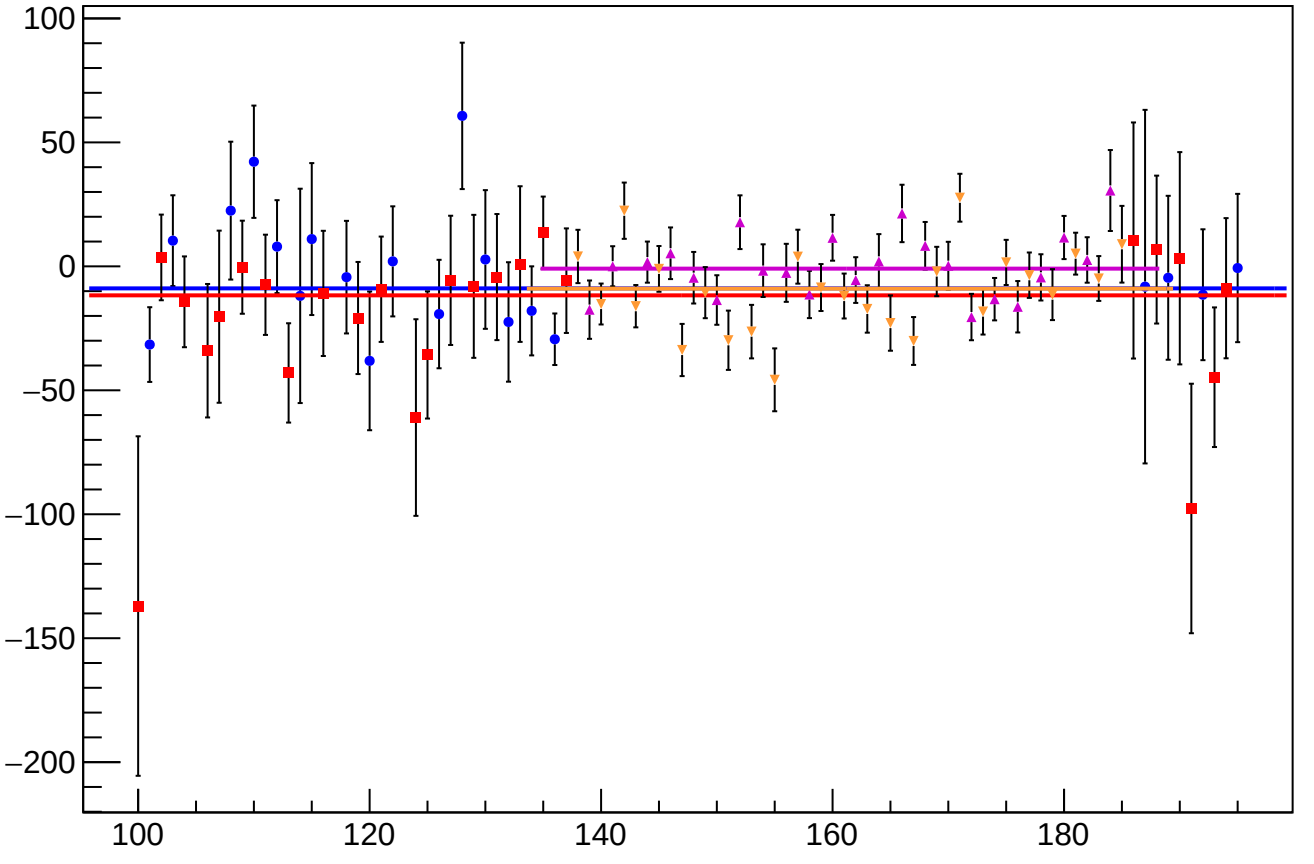
Right Out: 622.292+/-0.153 χ^2/NDF: 4570266.8/24

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 483.618+/-0.068 χ^2/NDF: 6261715.9/44

All: 484.337+/-0.048 χ^2/NDF: 13310041.6/92

- sign 485.070+/-0.068 χ^2/NDF: 7048098.0/47



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: -11.698+/-4.902 χ^2/NDF: 18.8/24

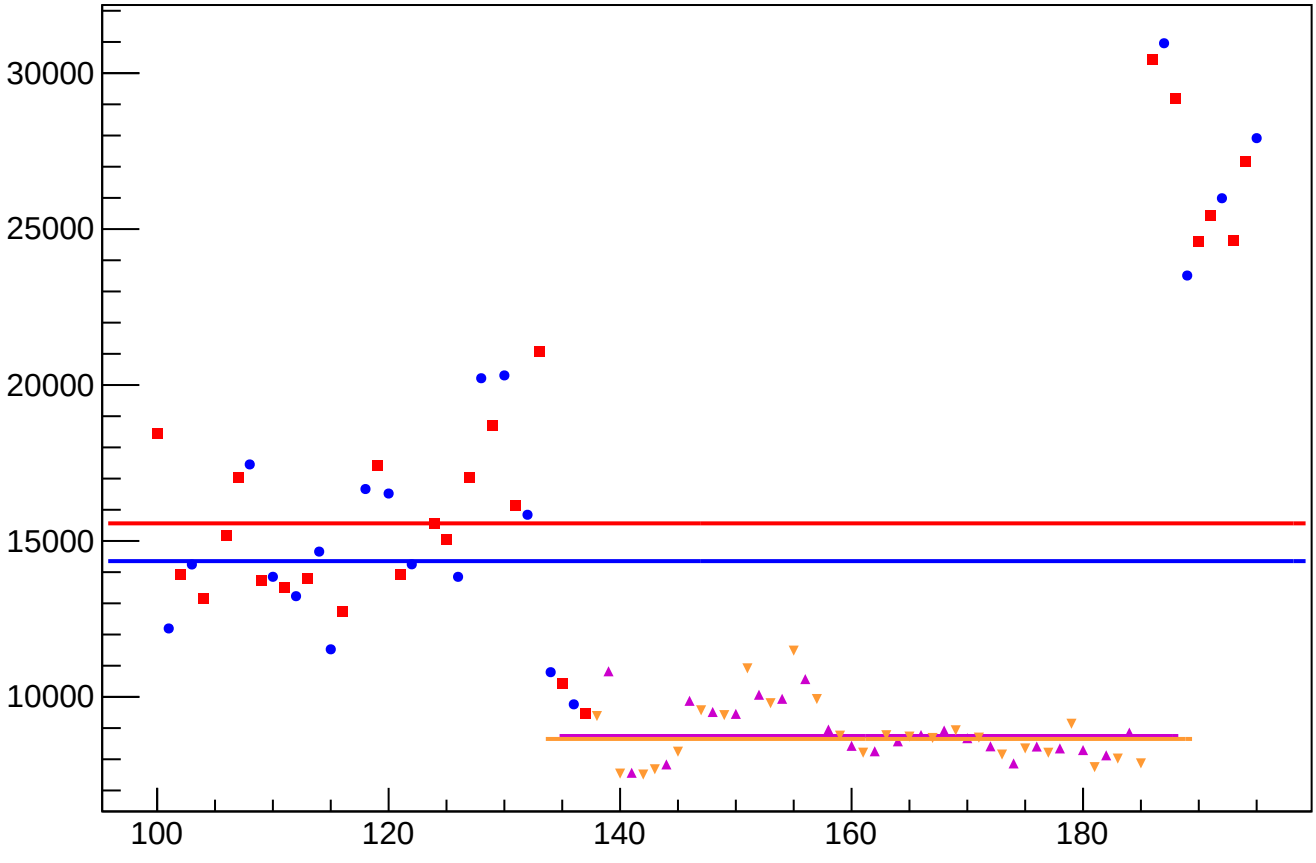
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -8.984+/-1.834 χ^2/NDF: 84.1/44

All: -5.866+/-1.318 χ^2/NDF: 142.8/92

- sign -2.536+/-1.896 χ^2/NDF: 52.7/47

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: 15564.312+/-3.466 χ^2/NDF: 1996923.7/24

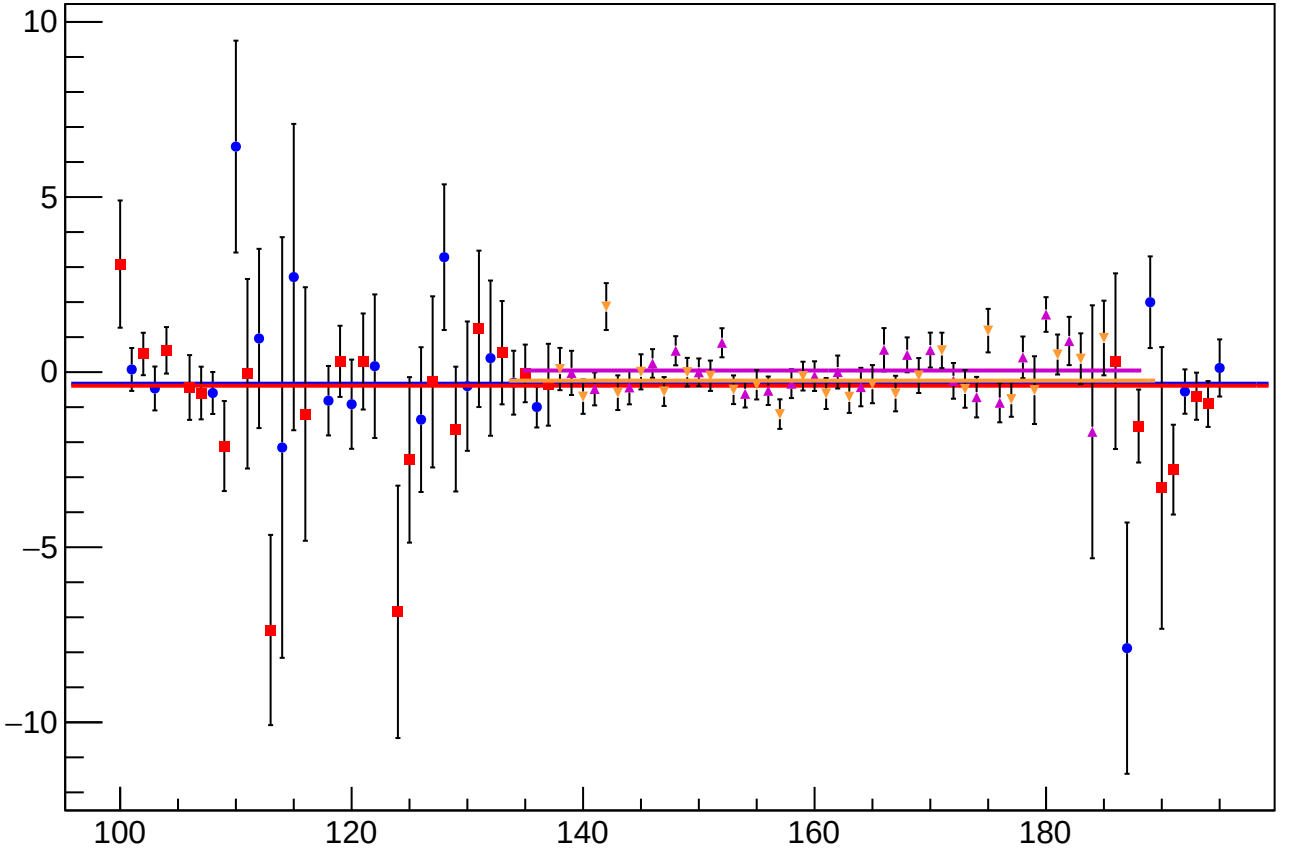
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9468.765+/-1.297 χ^2/NDF: 4610192.7/44

All: 9612.356+/-0.932 χ^2/NDF: 10254026.0/9

- sign 9765.715+/-1.340 χ^2/NDF: 5618488.5/47

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: -0.387+/-0.220 χ^2/NDF: 29.2/24

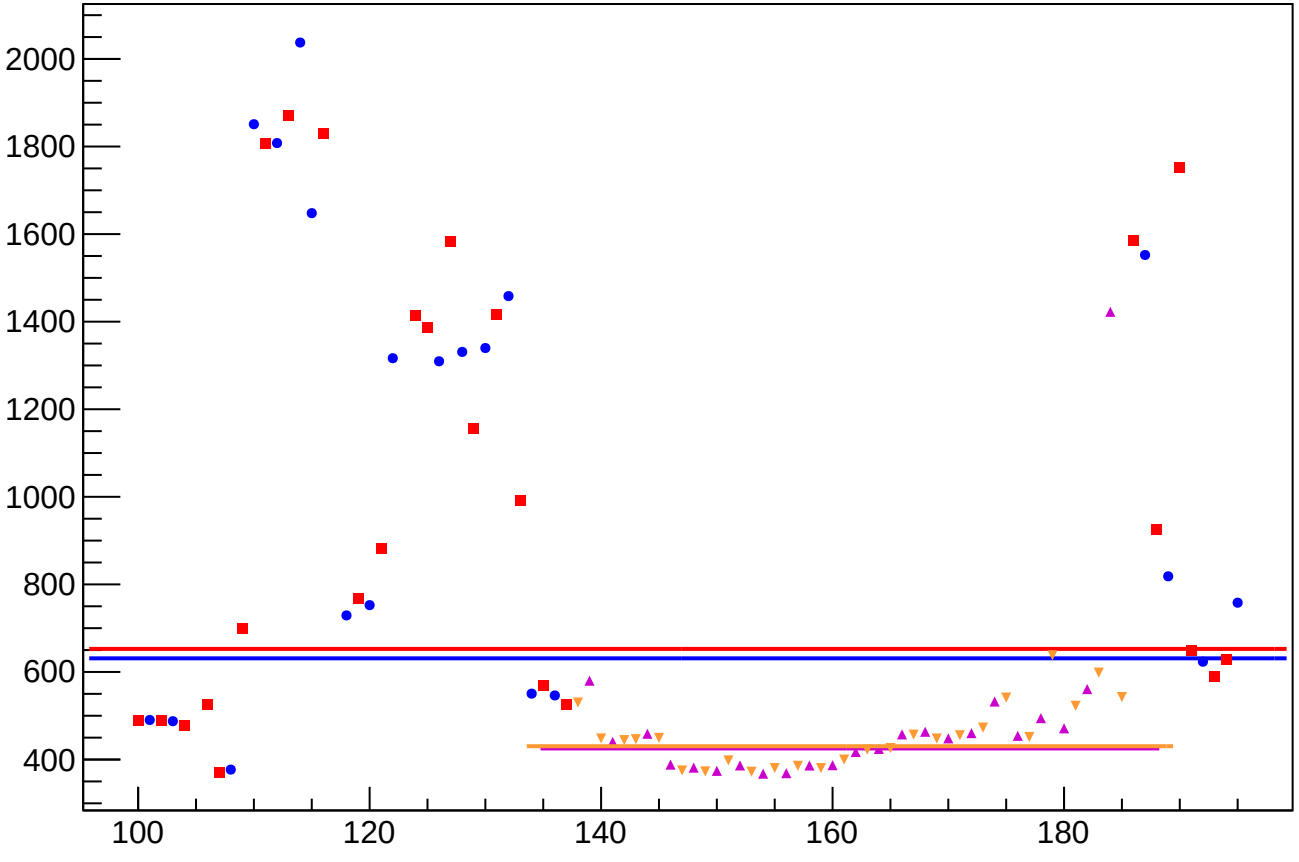
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.257+/-0.091 χ^2/NDF: 54.2/44

All: -0.144+/-0.065 χ^2/NDF: 124.7/92

- sign -0.029+/-0.092 χ^2/NDF: 67.5/47

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: 652.690+/-0.156 χ^2/NDF: 3382879.4/24

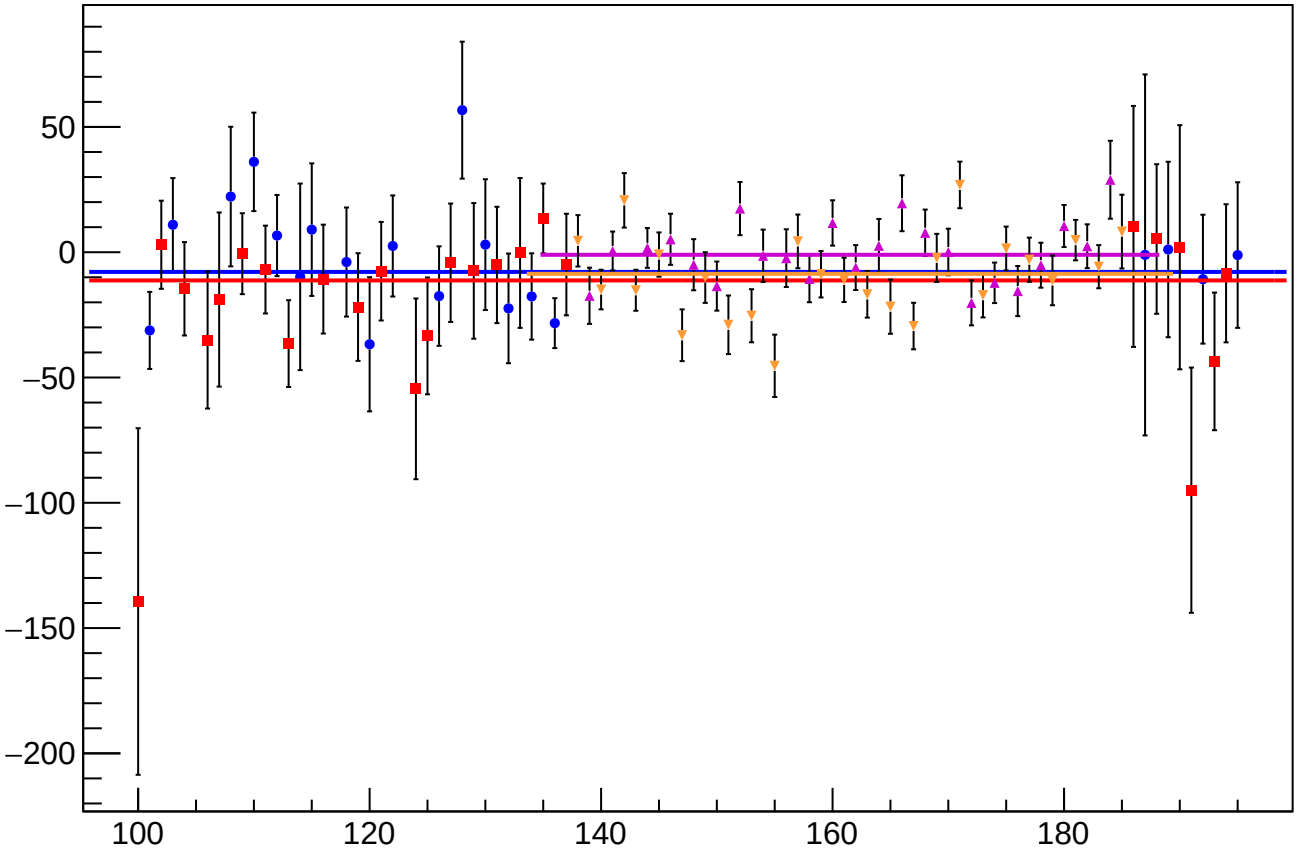
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 463.936+/-0.065 χ^2/NDF: 5077592.3/44

All: 464.538+/-0.046 χ^2/NDF: 10933242.4/92

- sign 465.151+/-0.065 χ^2/NDF: 5855475.2/47

diff_bpm_4eX_4ecX_avg_mean vs Slug



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: -11.252+/-4.606 χ^2/NDF: 18.6/24

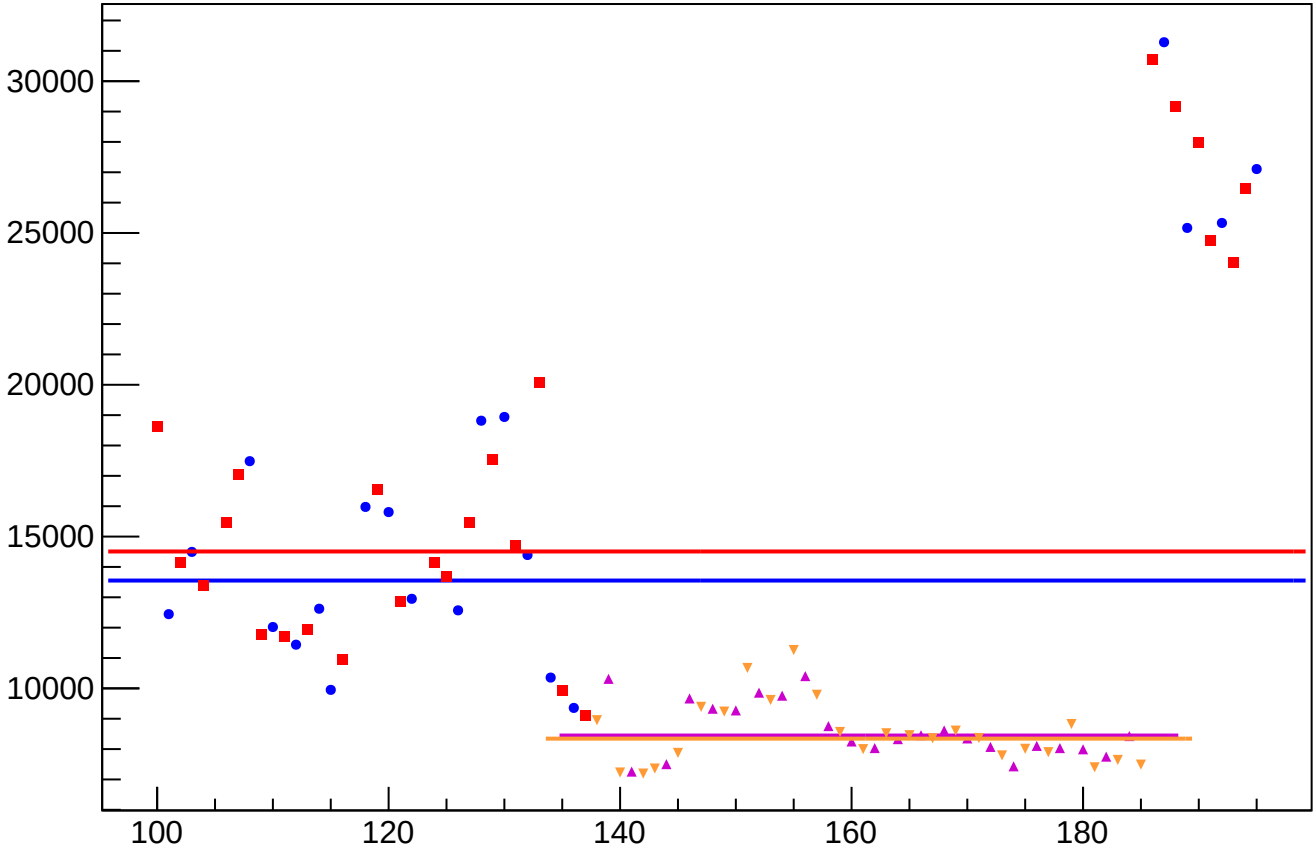
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.509+/-1.766 χ^2/NDF: 84.9/44

All: -5.666+/-1.269 χ^2/NDF: 142.8/92

- sign -2.631+/-1.824 χ^2/NDF: 52.6/47

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 13551.671+/-3.245 χ^2/NDF: 1967283.4/19

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

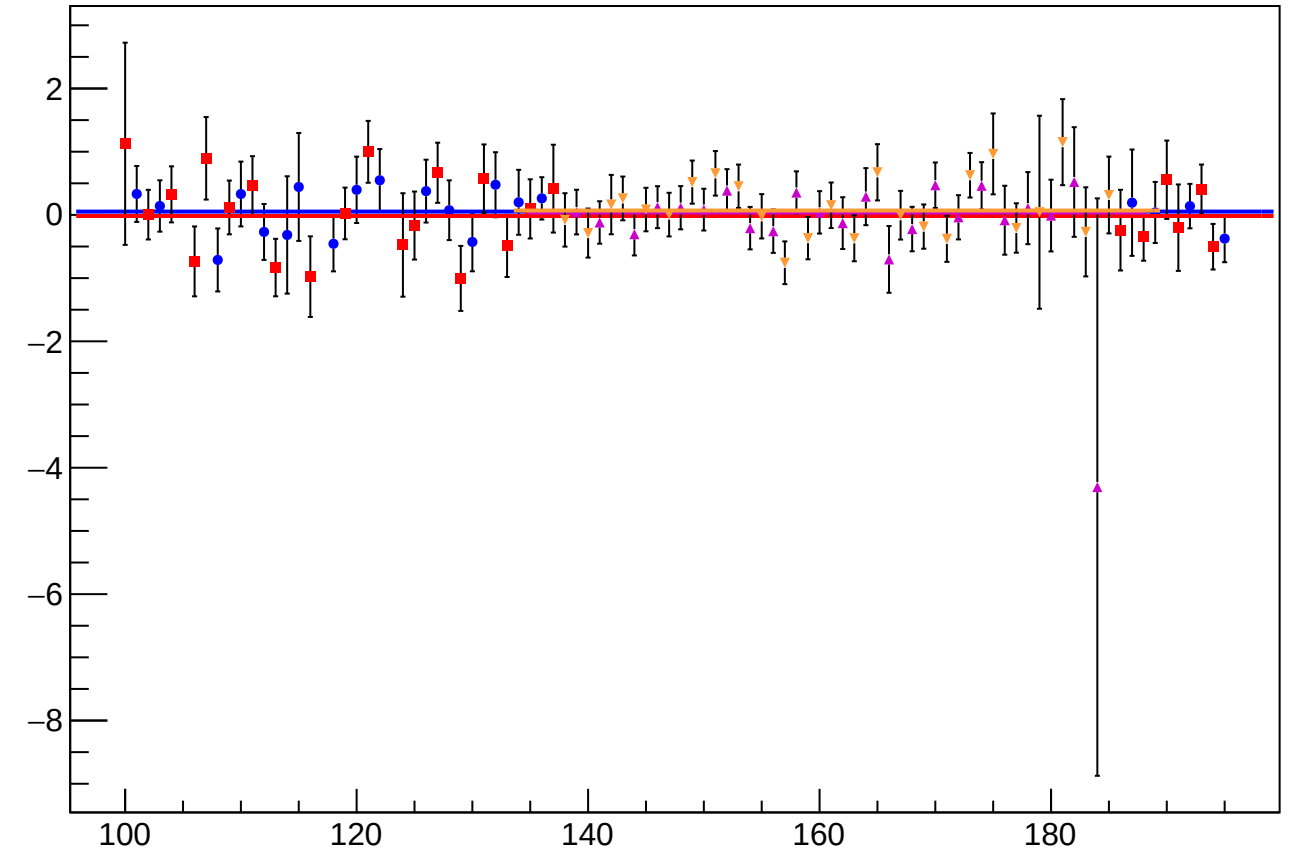
Right Out: 14508.899+/-3.257 χ^2/NDF: 2293540.3/24

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9115.309+/-1.249 χ^2/NDF: 4630621.1/44

All: 9251.885+/-0.897 χ^2/NDF: 10252178.5/9

- sign 9397.650+/-1.290 χ^2/NDF: 5596821.9/47



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: -0.017+/-0.100 χ^2/NDF: 29.2/24

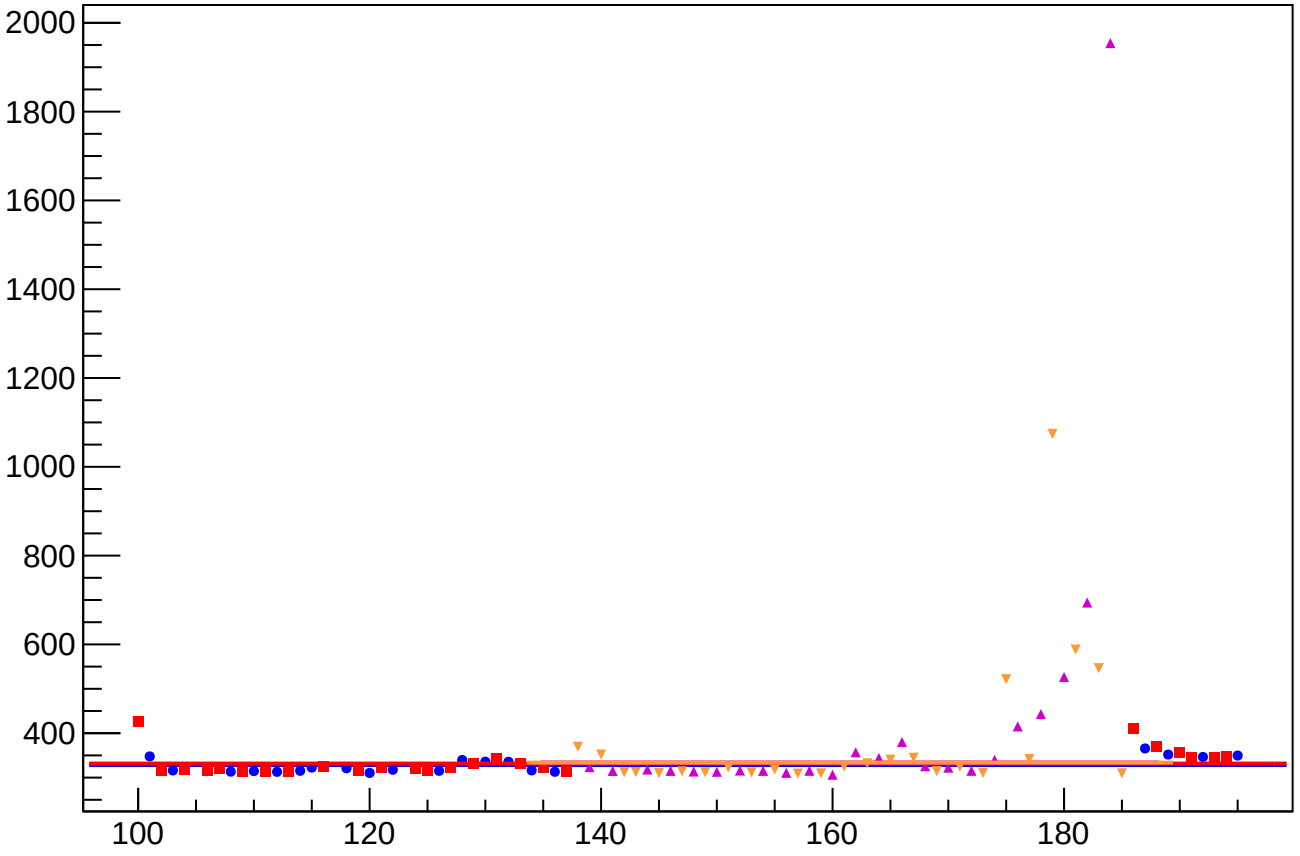
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.063+/-0.063 χ^2/NDF: 39.1/44

All: 0.039+/-0.045 χ^2/NDF: 80.4/92

- sign 0.016+/-0.063 χ^2/NDF: 41.0/47

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: 331.599+/-0.070 χ^2/NDF: 93814.1/24

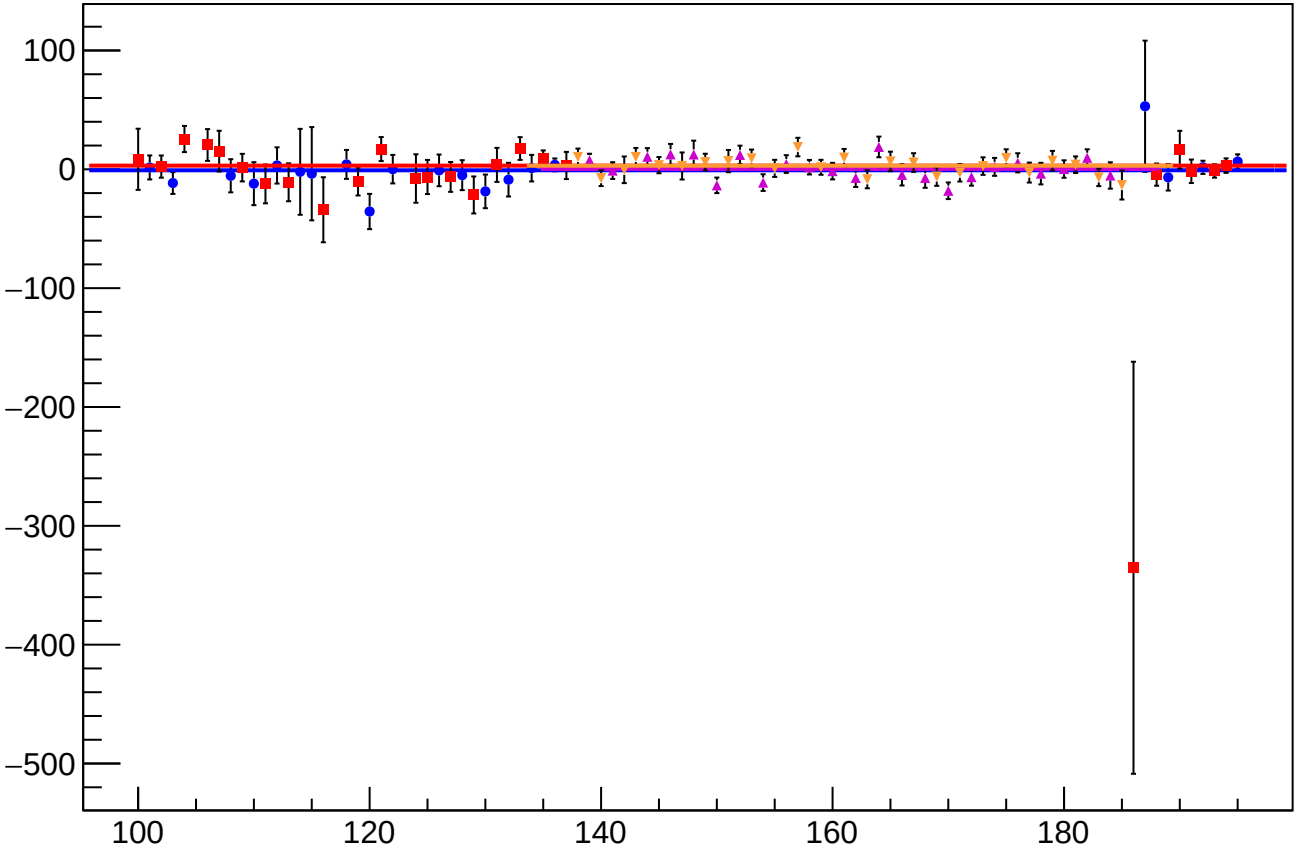
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 331.801+/-0.045 χ^2/NDF: 1265527.5/44

All: 332.421+/-0.032 χ^2/NDF: 2411396.1/92

- sign 333.033+/-0.044 χ^2/NDF: 1145486.5/47

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

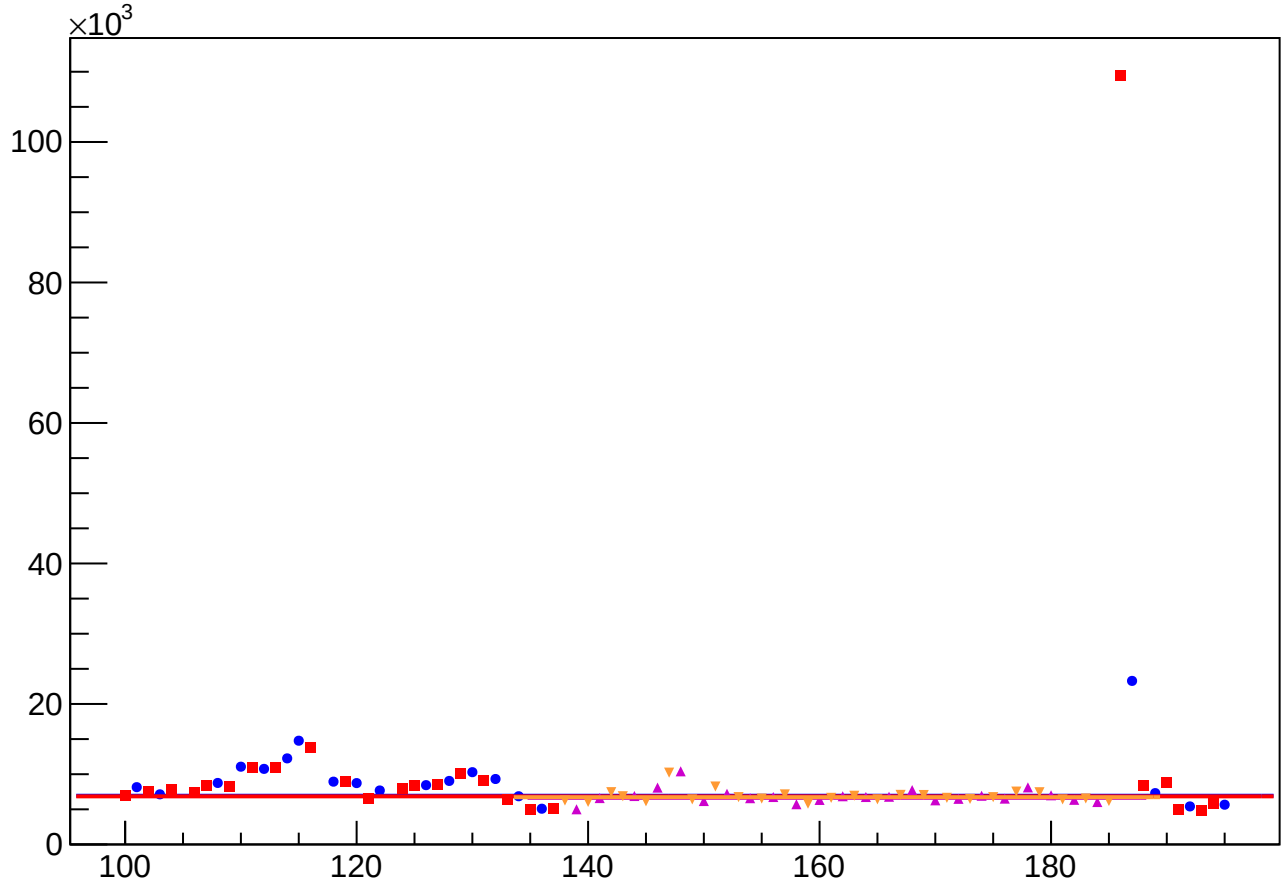
Right Out: 3.094+/-2.184 χ^2/NDF: 25.9/24

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.848+/-1.284 χ^2/NDF: 35.5/44

All: 1.564+/-0.904 χ^2/NDF: 96.3/92

- sign 1.284+/-1.274 χ^2/NDF: 60.7/47



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: 6847.702+/-1.544 χ^2/NDF: 2074961.2/24

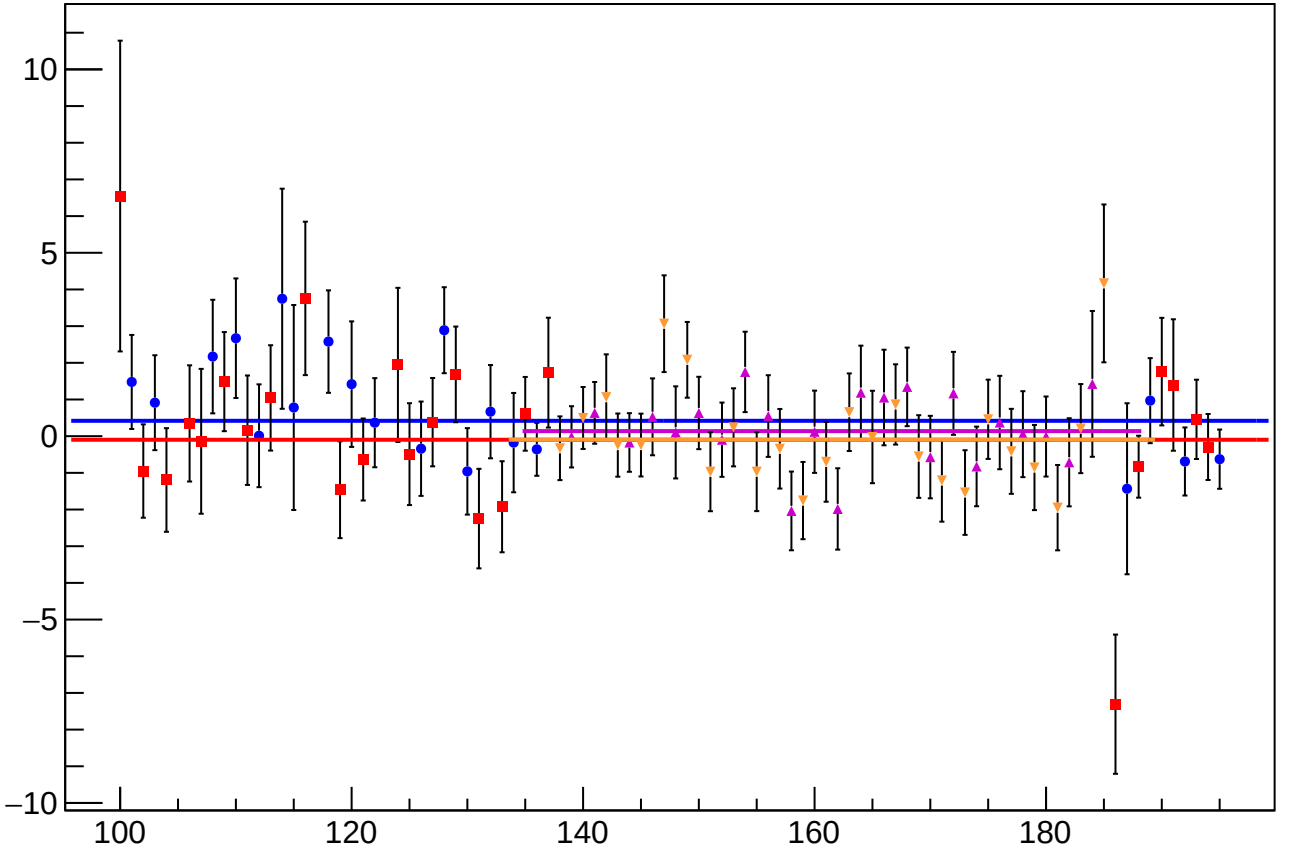
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6787.841+/-0.908 χ^2/NDF: 1824233.0/44

All: 6746.532+/-0.639 χ^2/NDF: 4545578.8/92

- sign 6705.860+/-0.901 χ^2/NDF: 2717236.7/47

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: -0.098+/-0.266 χ^2/NDF: 37.8/24

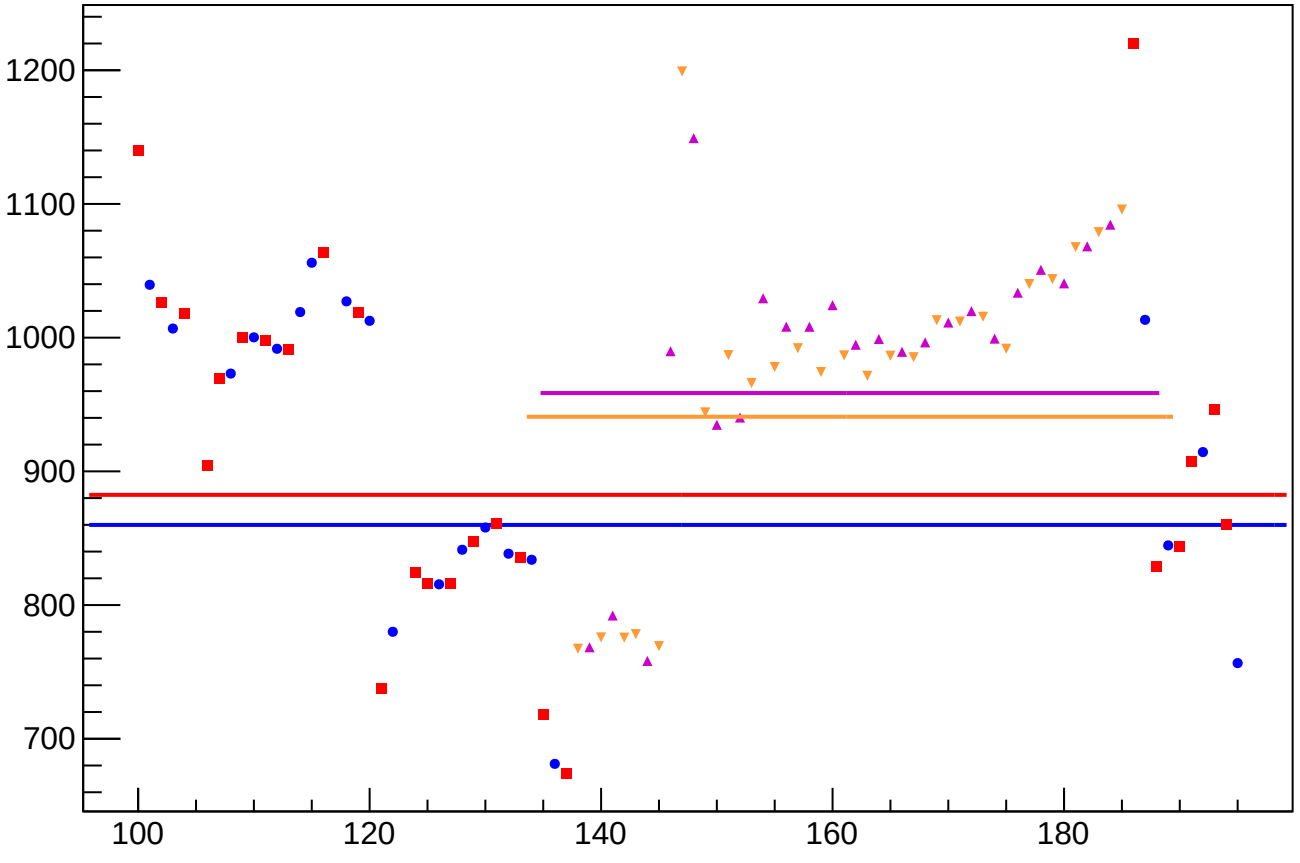
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.099+/-0.170 χ^2/NDF: 49.1/44

All: 0.070+/-0.121 χ^2/NDF: 103.9/92

- sign 0.040+/-0.172 χ^2/NDF: 54.8/47

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: 882.422+/-0.188 χ^2/NDF: 354172.1/24

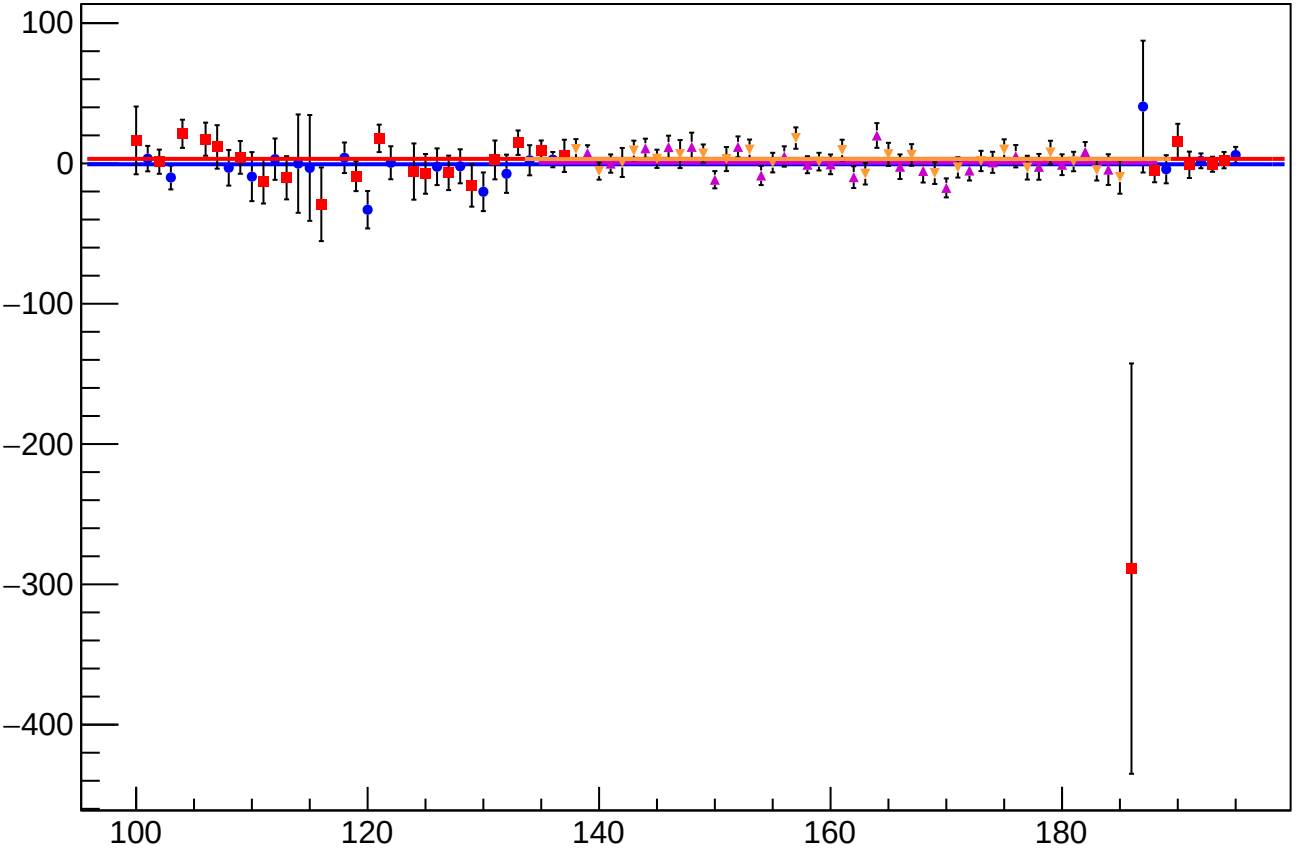
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 910.354+/-0.120 χ^2/NDF: 1027489.7/44

All: 918.477+/-0.085 χ^2/NDF: 1943074.8/92

- sign 926.789+/-0.122 χ^2/NDF: 906349.6/47

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: 3.252+/-2.066 χ^2/NDF: 24.4/24

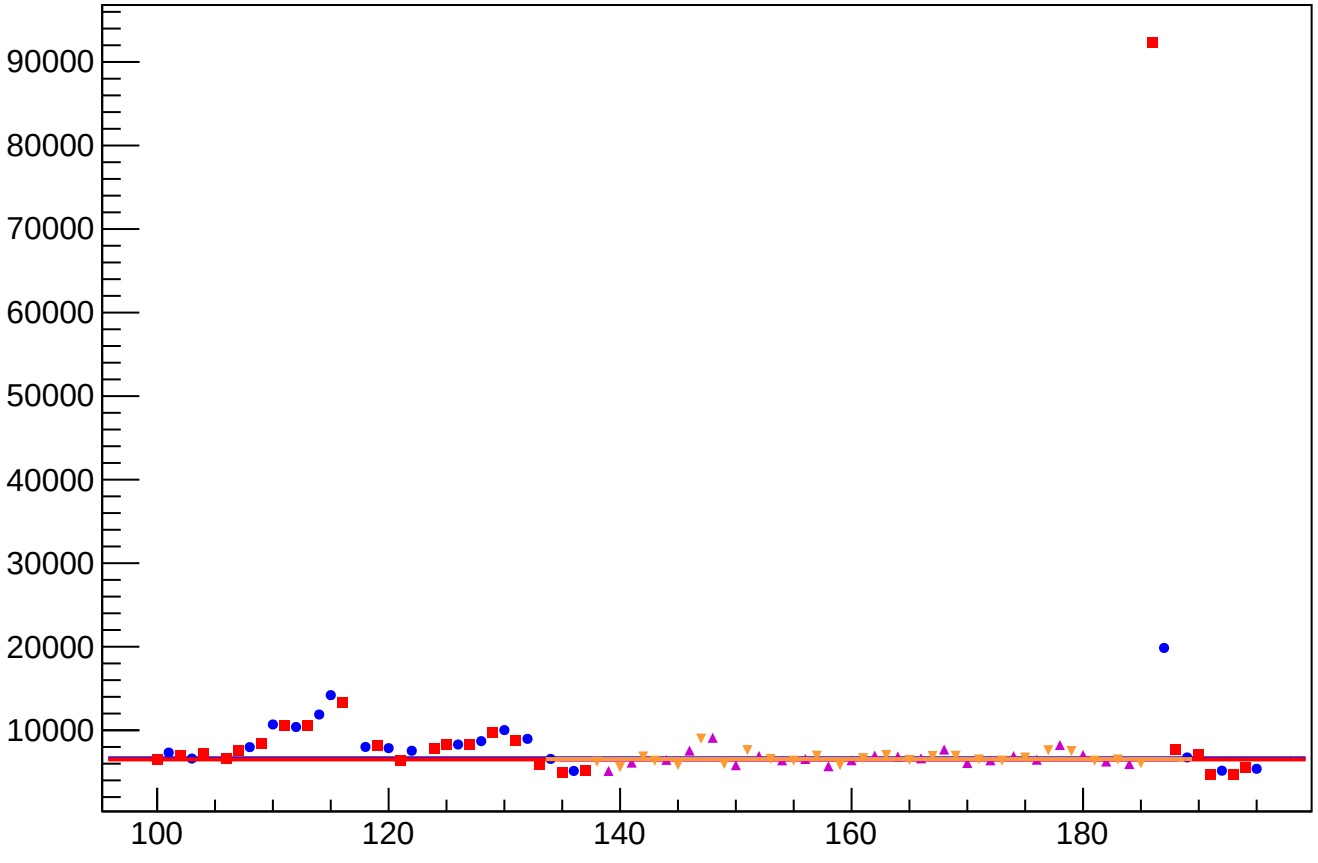
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.935+/-1.241 χ^2/NDF: 33.5/44

All: 1.711+/-0.874 χ^2/NDF: 91.1/92

- sign 1.491+/-1.232 χ^2/NDF: 57.5/47

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: 6508.764+/-1.461 χ^2/NDF: 1995192.6/24

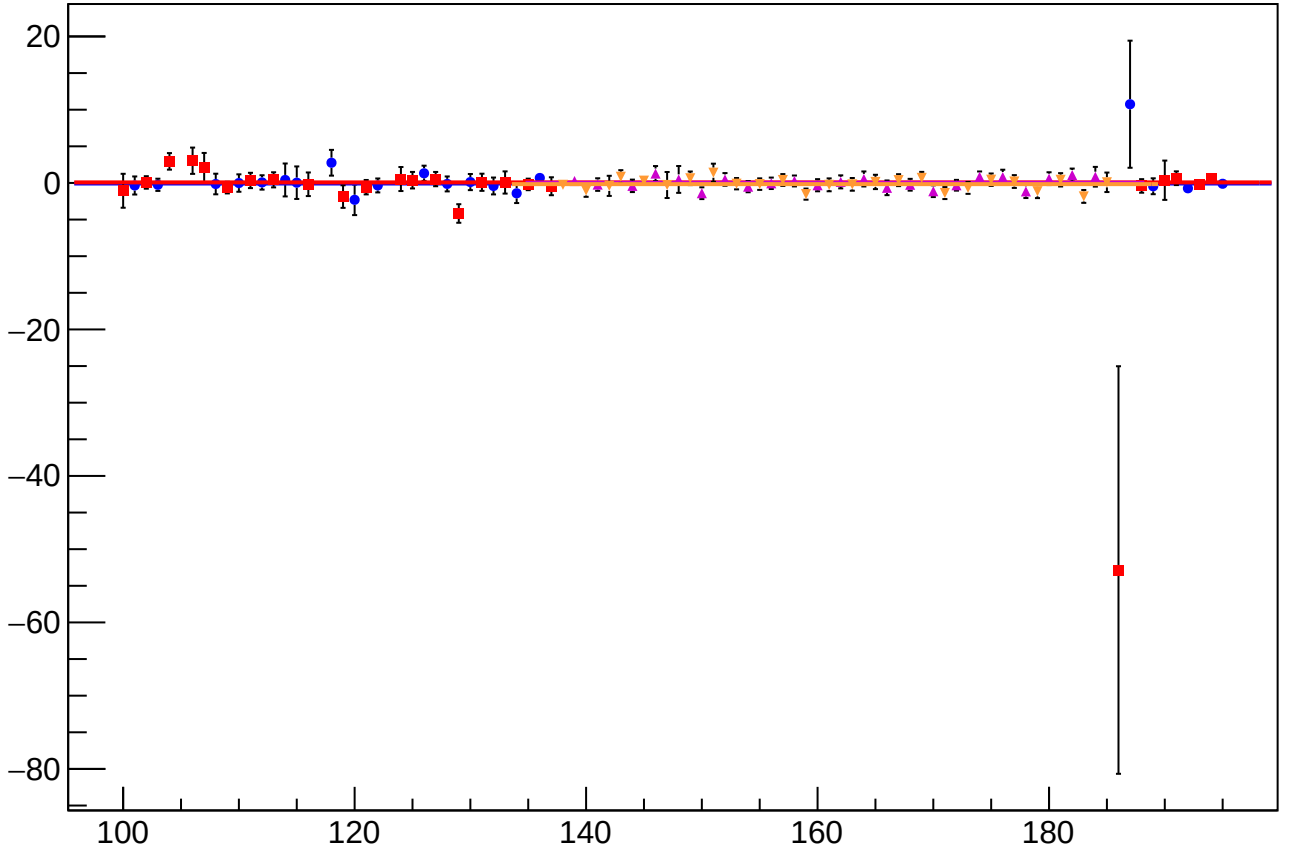
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6577.758+/-0.878 χ^2/NDF: 1657607.6/44

All: 6541.800+/-0.618 χ^2/NDF: 4171633.0/92

- sign 6506.375+/-0.871 χ^2/NDF: 2510693.5/47

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: 0.076+/-0.207 χ^2/NDF: 30.8/24

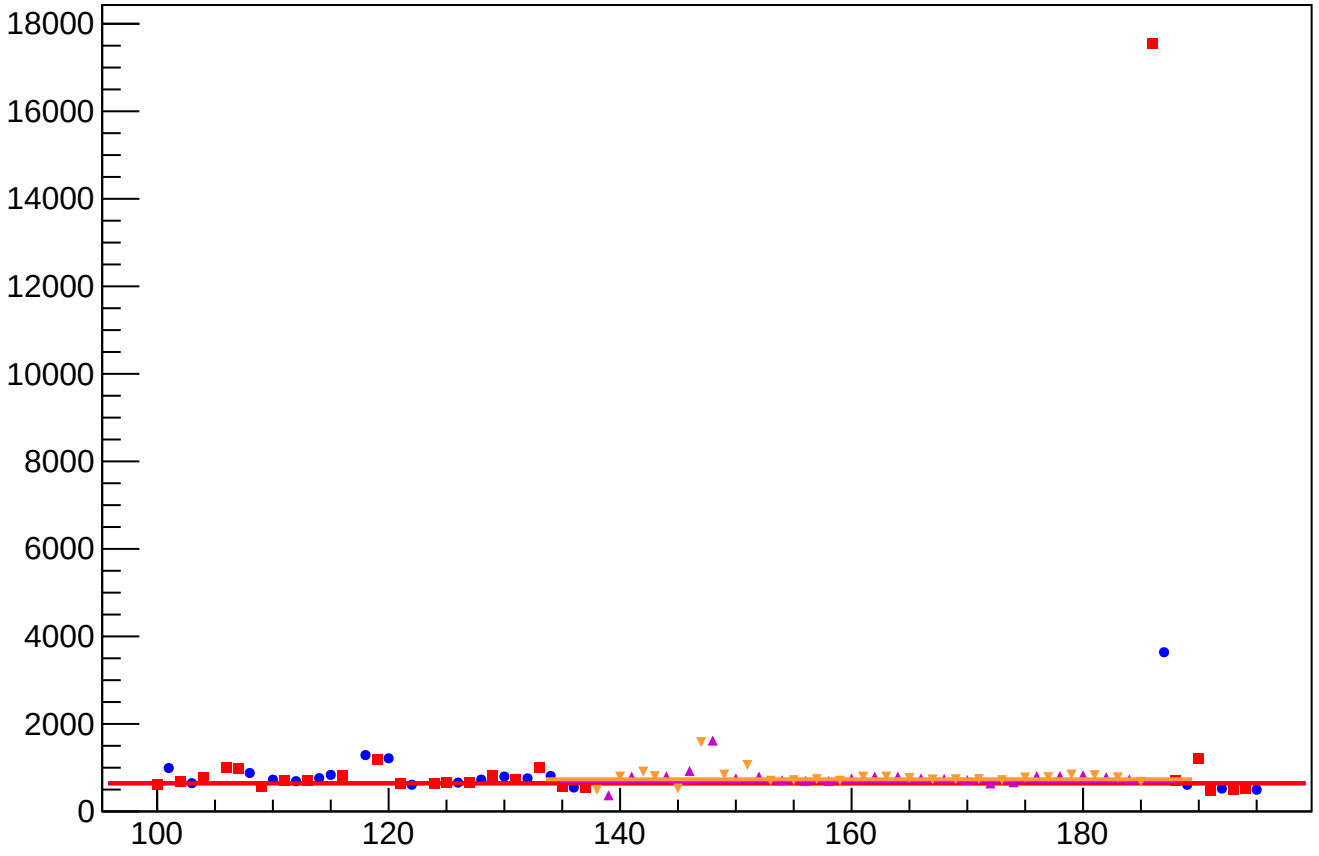
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.129+/-0.135 χ^2/NDF: 30.9/44

All: -0.042+/-0.094 χ^2/NDF: 77.7/92

- sign 0.041+/-0.131 χ^2/NDF: 46.1/47

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: 641.533+/-0.146 χ^2/NDF: 1792334.5/24

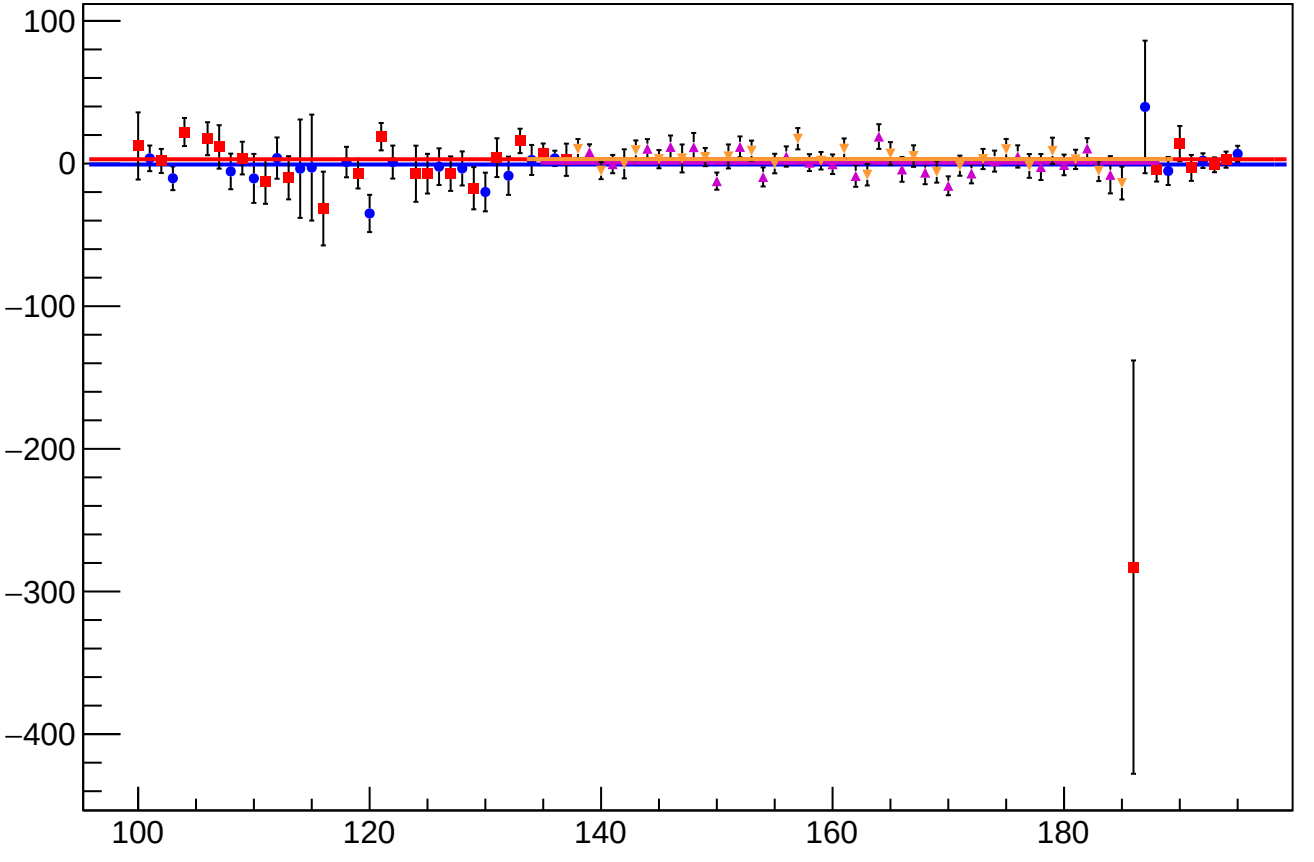
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 699.657+/-0.095 χ^2/NDF: 2886350.4/44

All: 686.006+/-0.066 χ^2/NDF: 7021134.4/92

- sign 673.112+/-0.093 χ^2/NDF: 4094881.3/47

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: 3.013+/-2.026 χ^2/NDF: 25.5/24

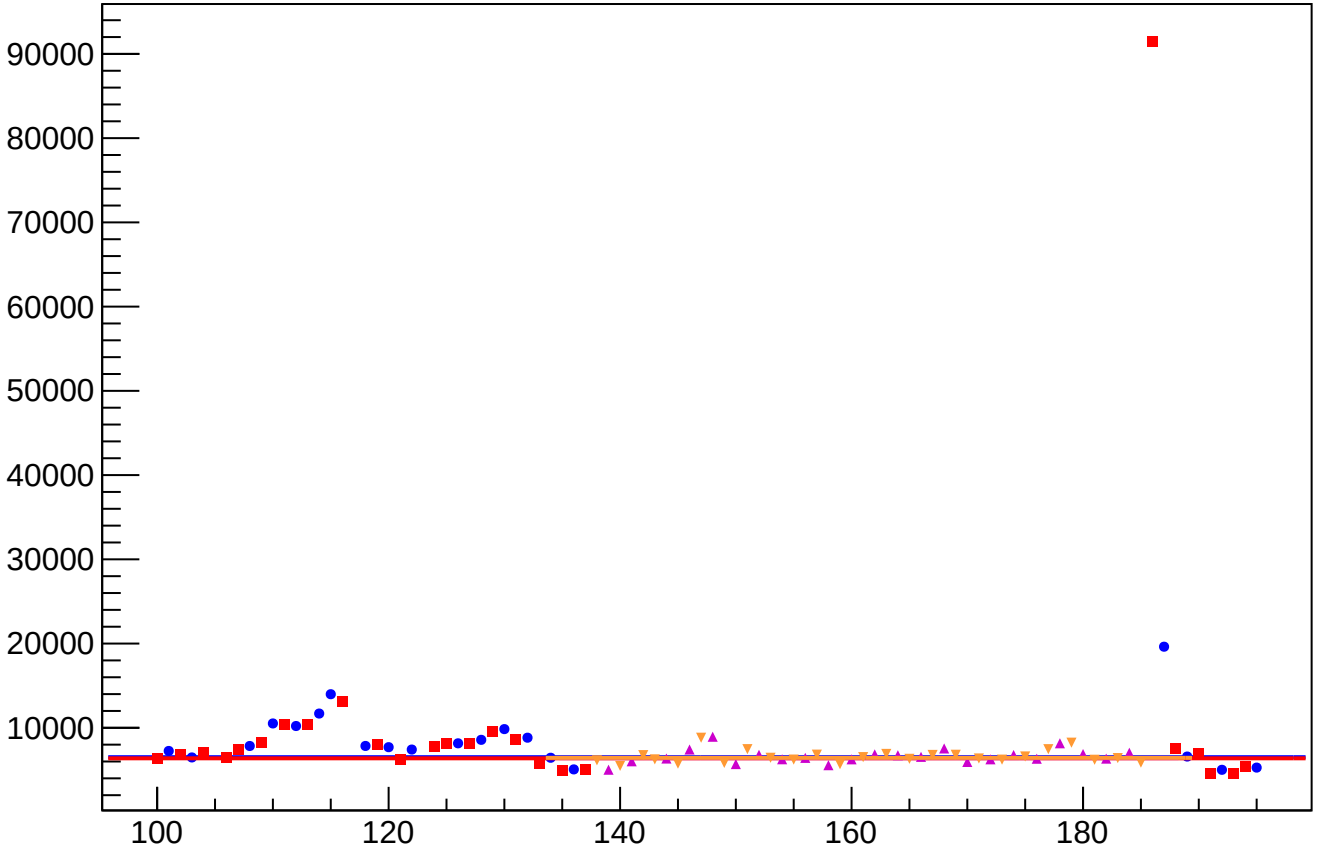
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.917+/-1.220 χ^2/NDF: 36.1/44

All: 1.672+/-0.860 χ^2/NDF: 96.1/92

- sign 1.431+/-1.212 χ^2/NDF: 60.0/47

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: 6377.661+/-1.433 χ^2/NDF: 2008030.0/24

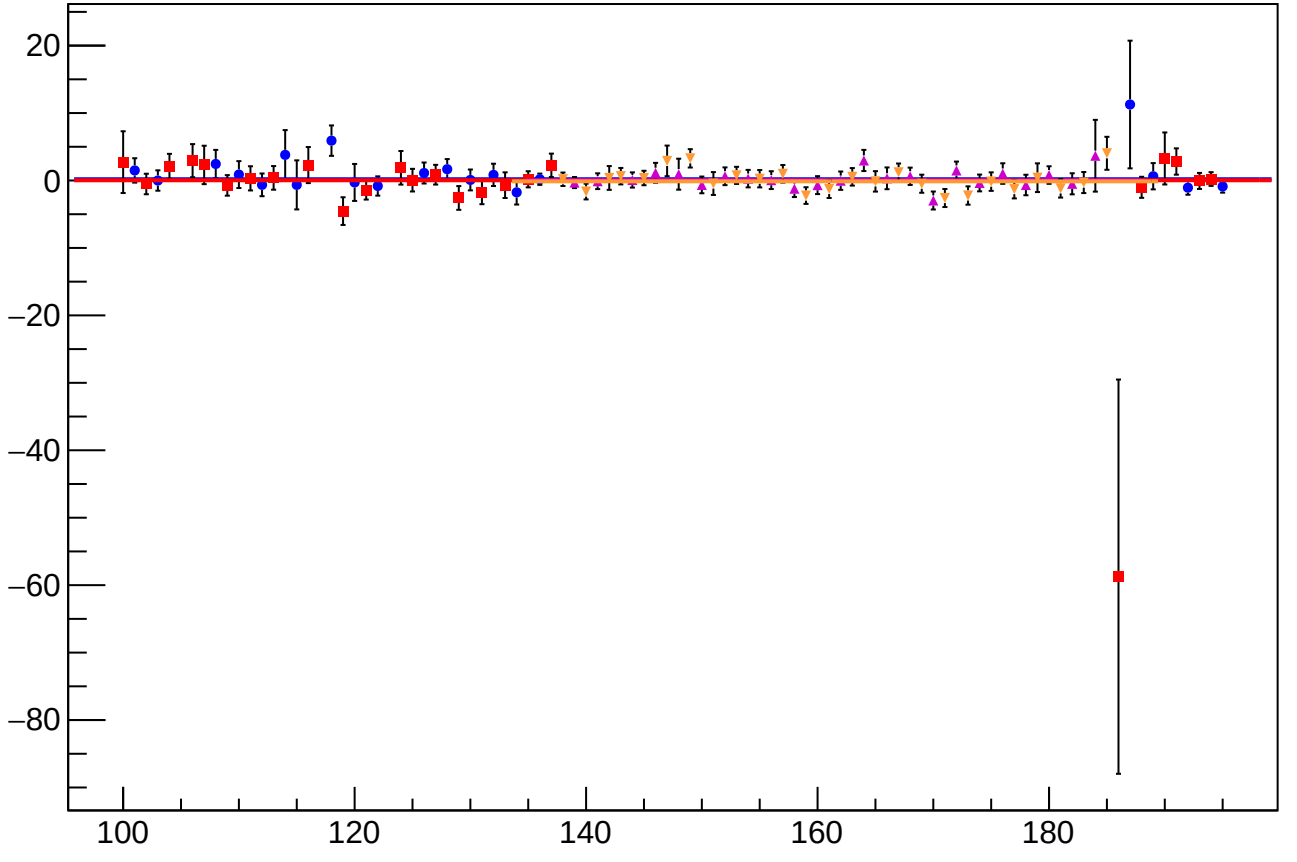
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6459.656+/-0.863 χ^2/NDF: 1723849.8/44

All: 6427.287+/-0.608 χ^2/NDF: 4259991.1/92

- sign 6395.365+/-0.857 χ^2/NDF: 2533347.1/47

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: 0.034+/-0.345 χ^2/NDF: 24.2/24

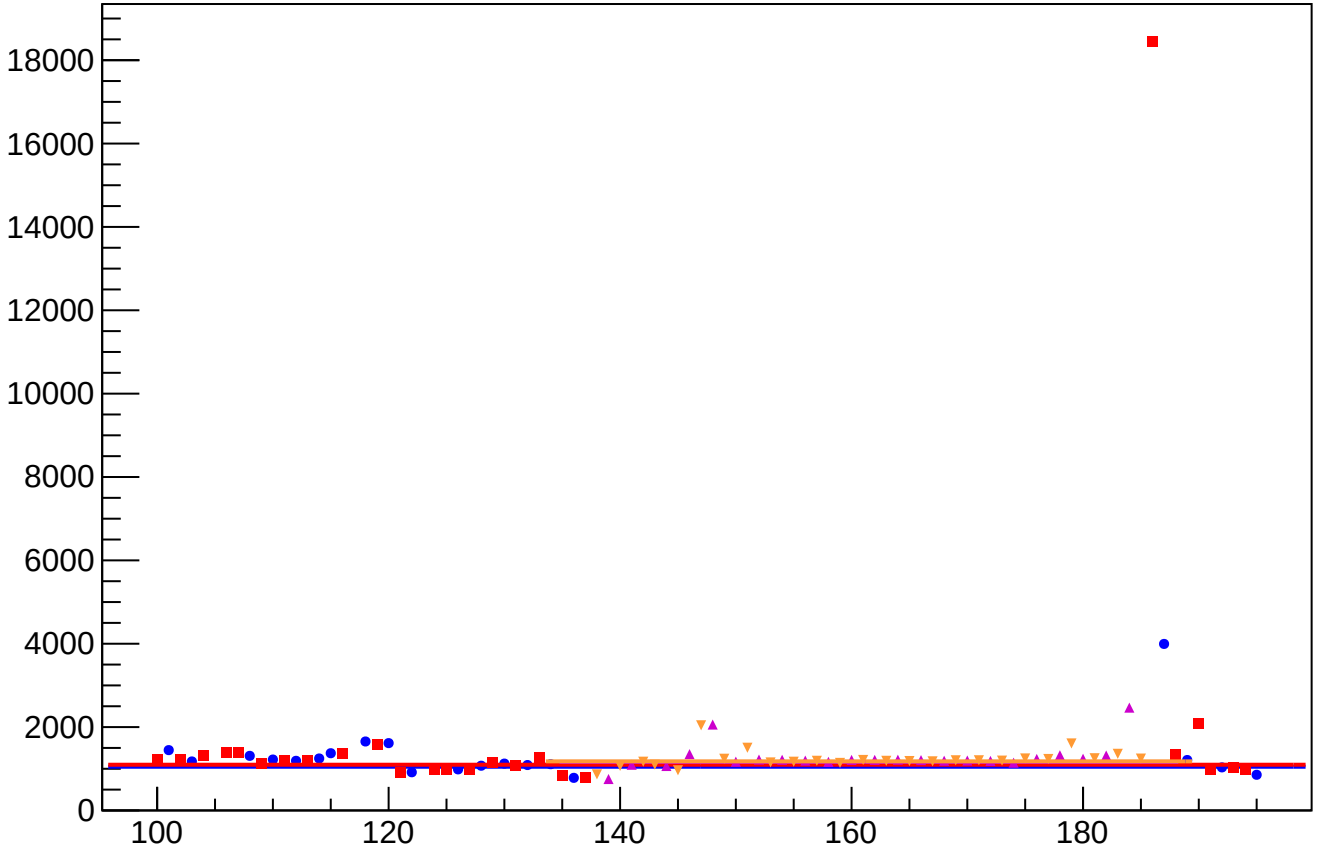
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.005+/-0.215 χ^2/NDF: 44.4/44

All: 0.013+/-0.153 χ^2/NDF: 83.0/92

- sign 0.031+/-0.217 χ^2/NDF: 38.6/47

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: 1097.088+/-0.244 χ^2/NDF: 1412332.9/24

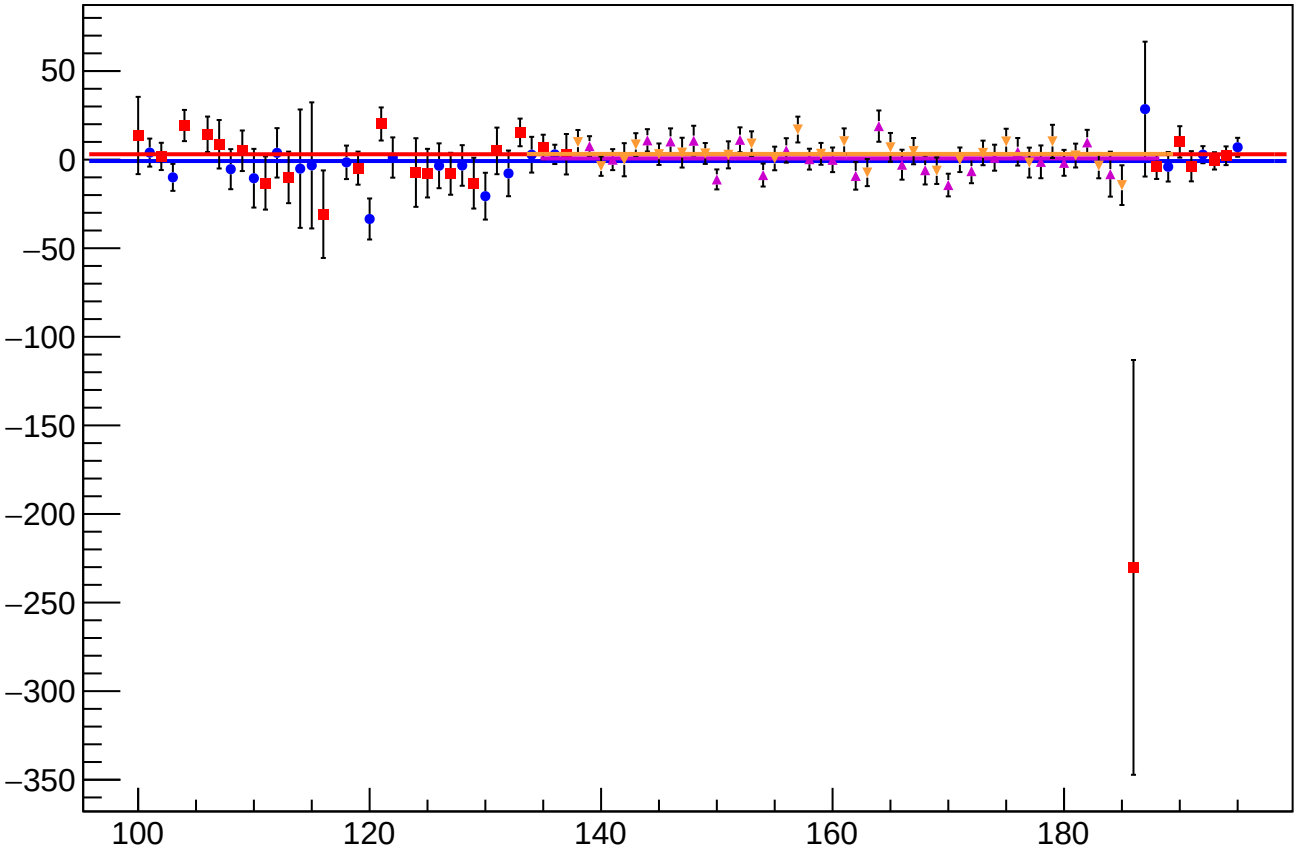
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1128.491+/-0.152 χ^2/NDF: 1922738.6/44

All: 1132.948+/-0.108 χ^2/NDF: 4434322.8/92

- sign 1137.485+/-0.153 χ^2/NDF: 2509846.7/47

diff_bpm_4eY_4ecY_avg_mean vs Slug



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: 3.043+/-1.881 χ^2/NDF: 25.6/24

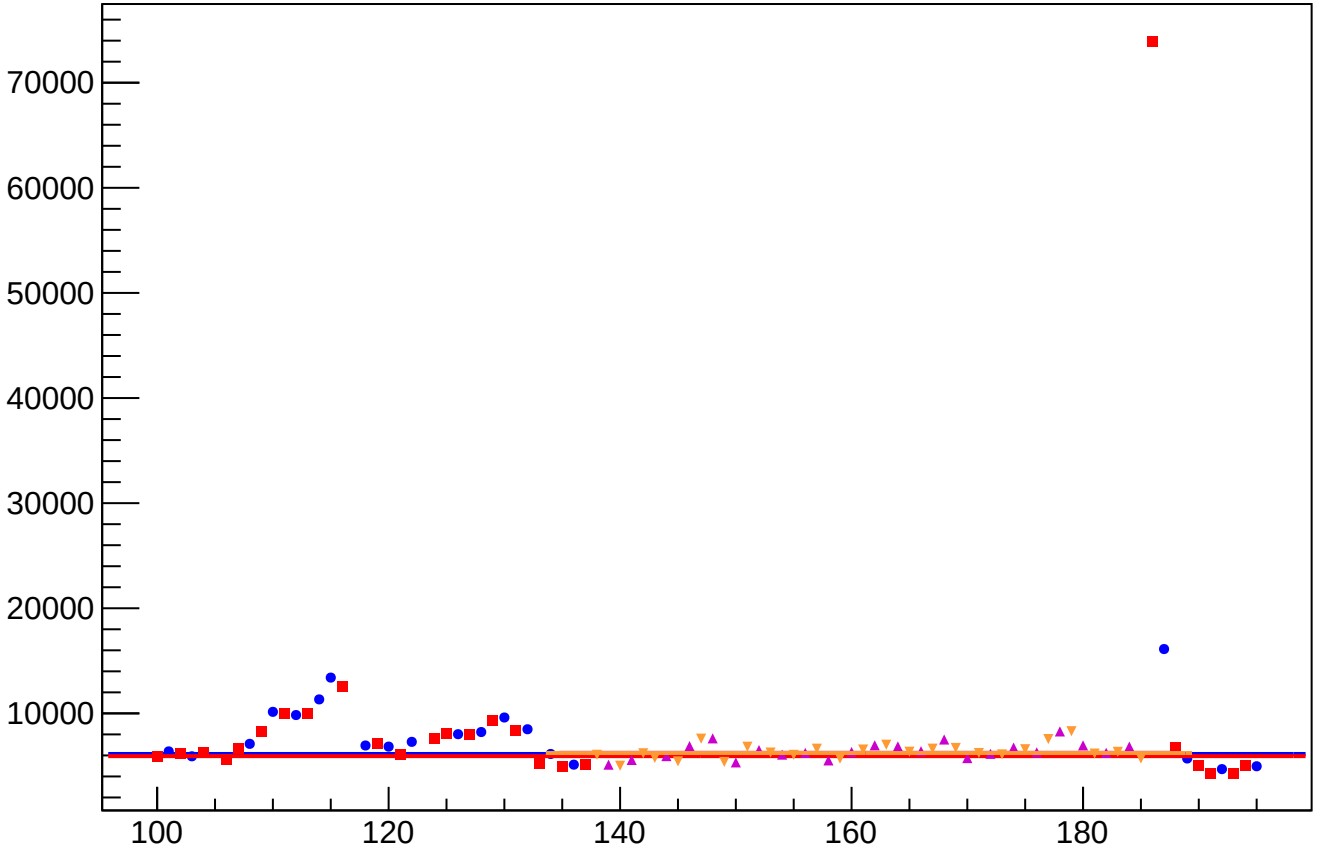
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.908+/-1.171 χ^2/NDF: 37.7/44

All: 1.738+/-0.824 χ^2/NDF: 96.7/92

- sign 1.571+/-1.160 χ^2/NDF: 59.0/47

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: 5932.837+/-1.330 χ^2/NDF: 2030453.6/24

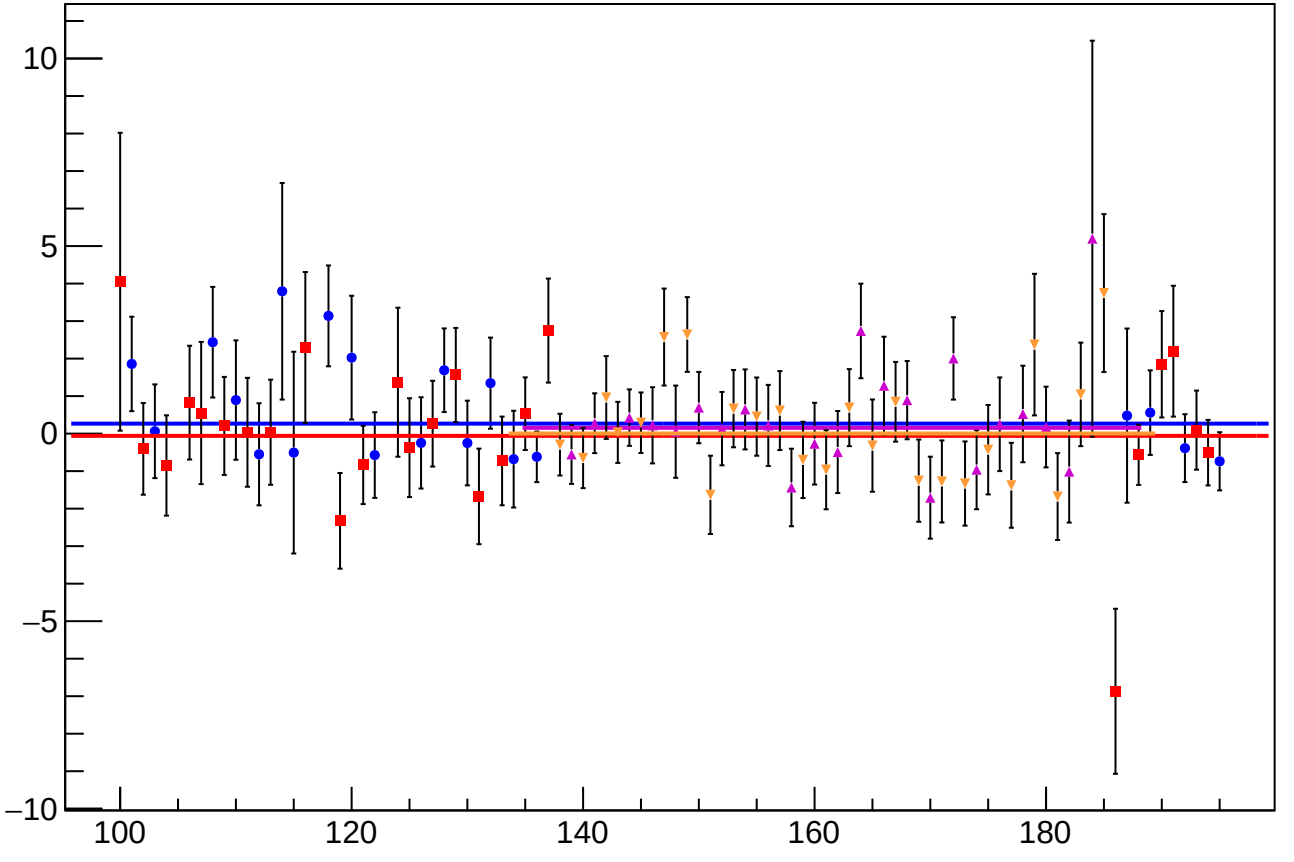
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6198.582+/-0.828 χ^2/NDF: 1726678.4/44

All: 6162.664+/-0.583 χ^2/NDF: 4280372.1/92

- sign 6127.391+/-0.820 χ^2/NDF: 2549961.8/47

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: -0.060+/-0.256 χ^2/NDF: 29.5/24

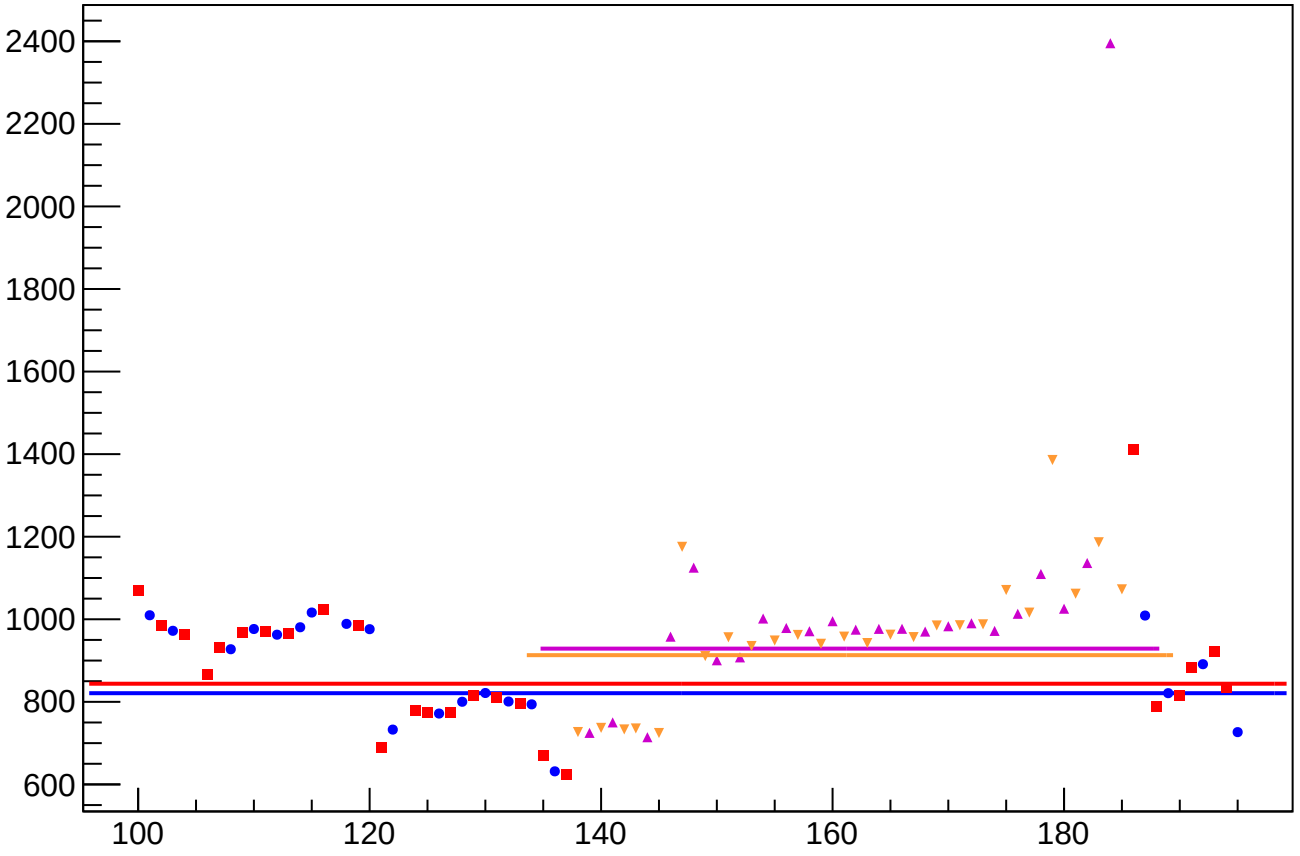
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.106+/-0.166 χ^2/NDF: 51.7/44

All: 0.084+/-0.118 χ^2/NDF: 100.1/92

- sign 0.063+/-0.167 χ^2/NDF: 48.3/47

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: 843.894+/-0.181 χ^2/NDF: 477064.7/24

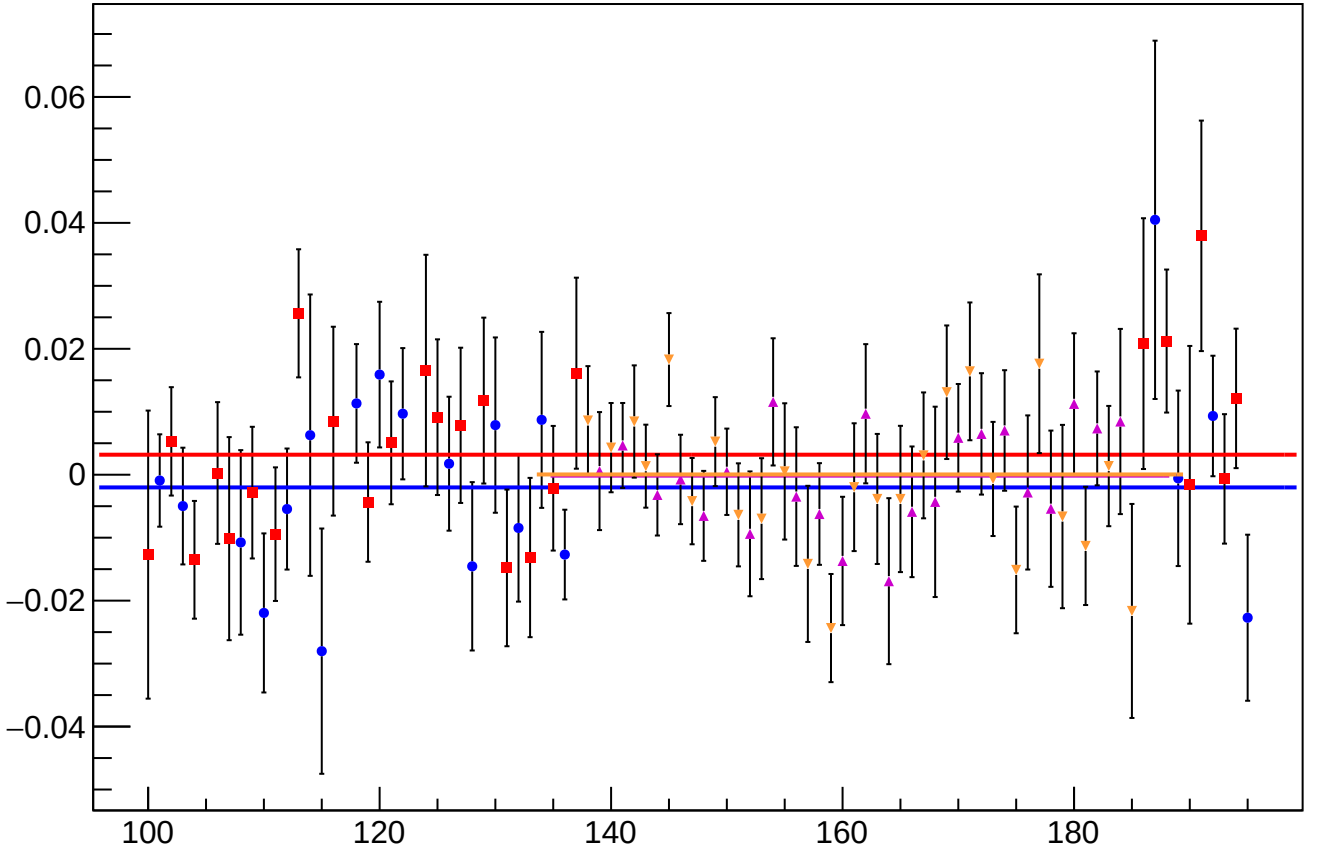
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 877.188+/-0.117 χ^2/NDF: 1456836.7/44

All: 884.791+/-0.083 χ^2/NDF: 2838016.1/92

- sign 892.545+/-0.118 χ^2/NDF: 1372662.5/47

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: 25.7/24

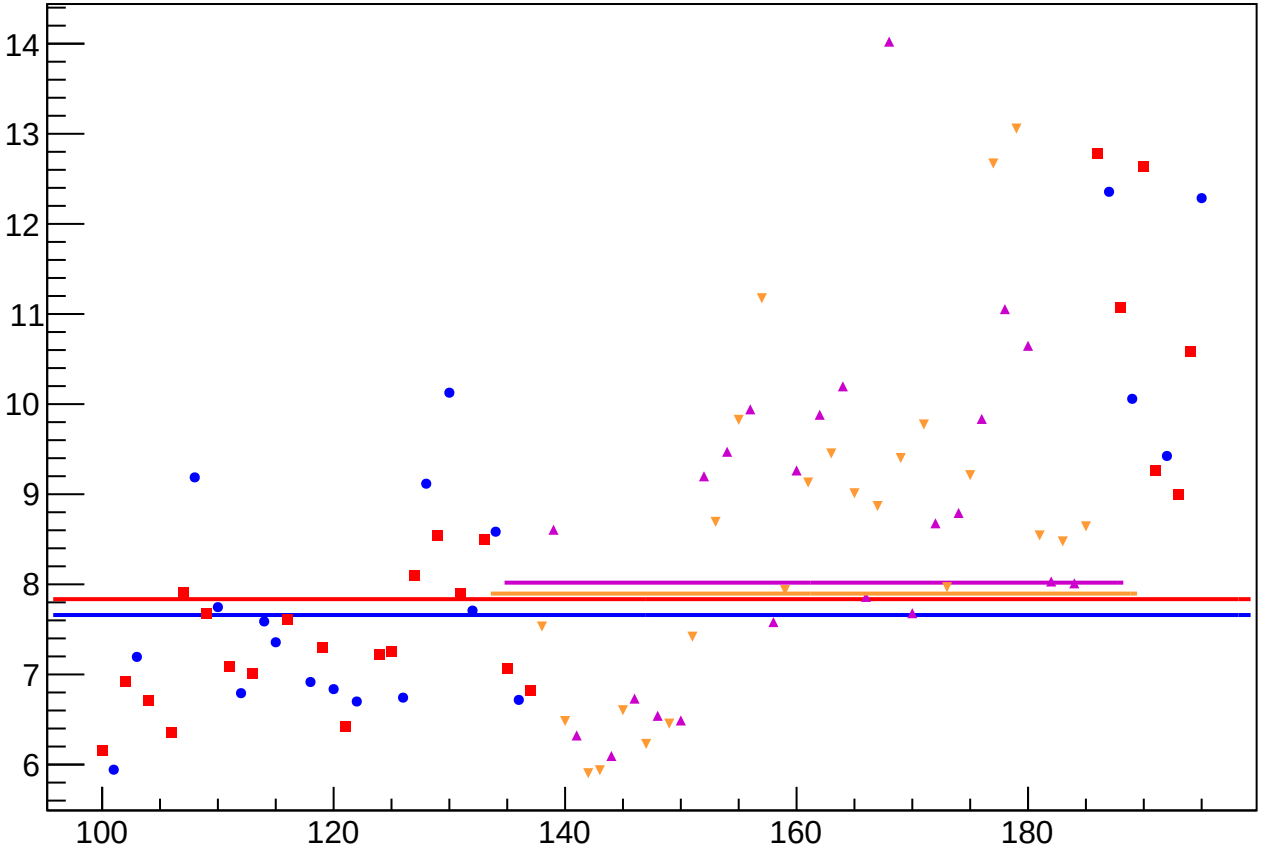
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.001 χ^2/NDF: 53.0/44

All: 0.000+/-0.001 χ^2/NDF: 93.5/92

- sign 0.001+/-0.001 χ^2/NDF: 39.7/47

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: 7.836+/-0.002 χ^2/NDF: 749299.8/24

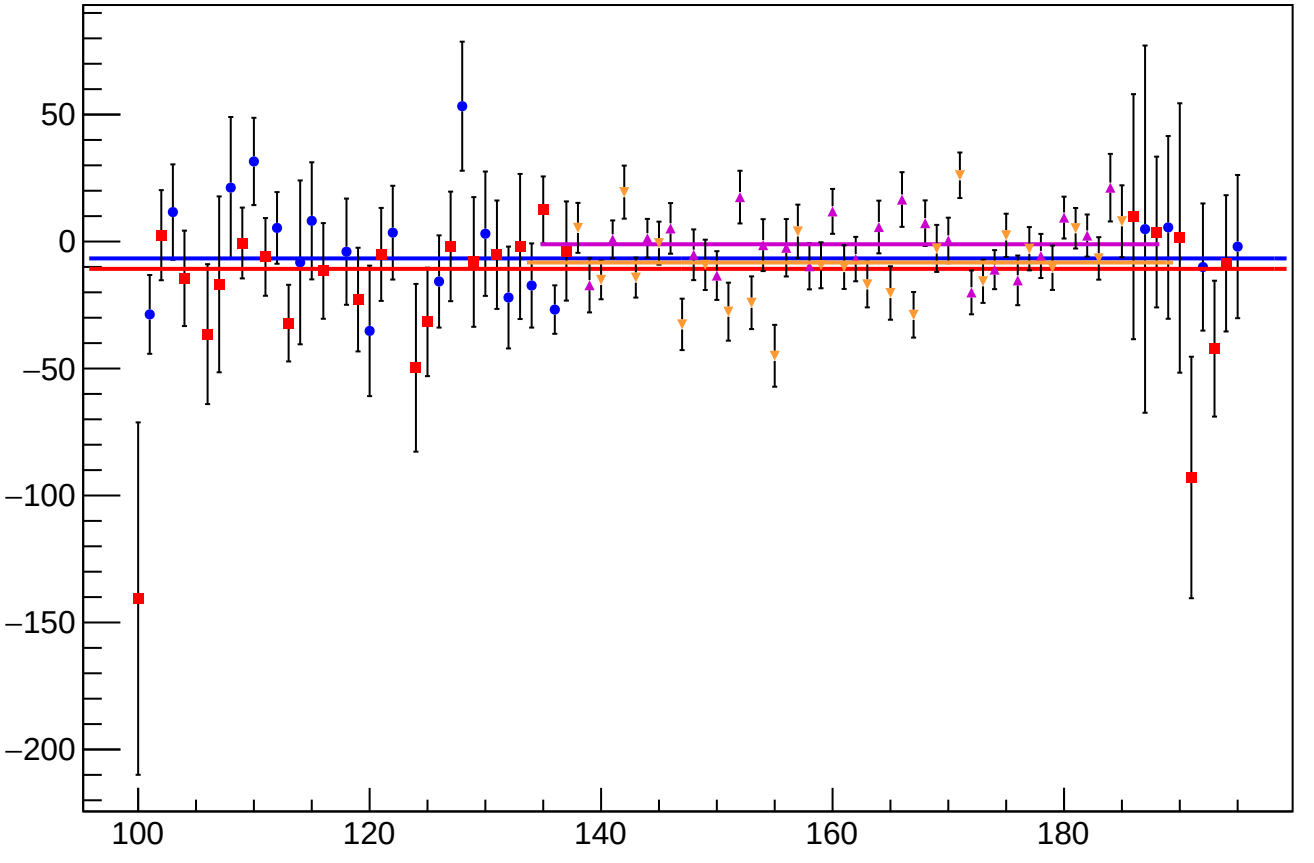
Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.814+/-0.001 χ^2/NDF: 2368238.5/44

All: 7.880+/-0.001 χ^2/NDF: 4588386.6/92

- sign 7.947+/-0.001 χ^2/NDF: 2212150.2/47

diff_targ_positionX_mean vs Slug



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: -10.762+/-4.297 χ^2/NDF: 18.9/24

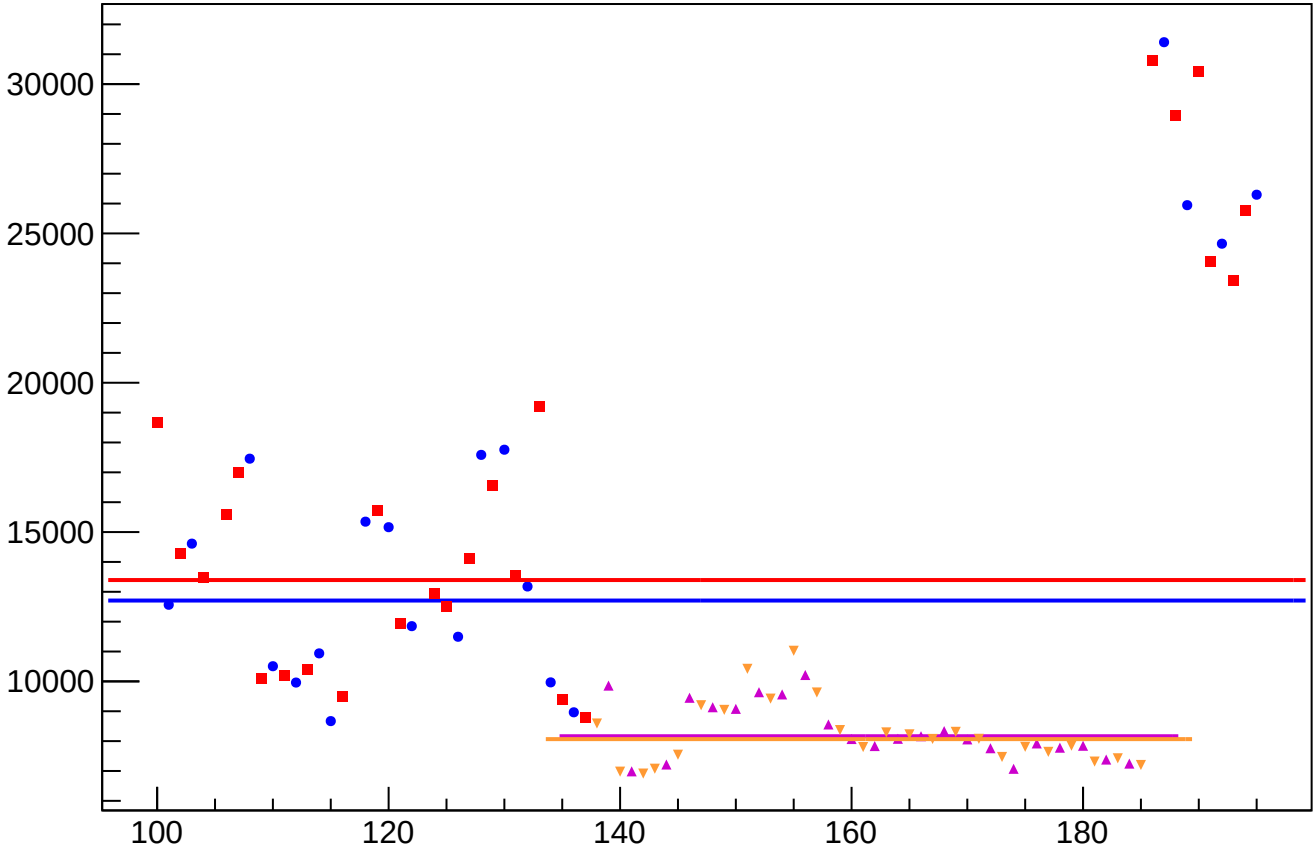
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.008+/-1.700 χ^2/NDF: 85.5/44

All: -5.428+/-1.221 χ^2/NDF: 142.2/92

- sign -2.685+/-1.754 χ^2/NDF: 52.0/47

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

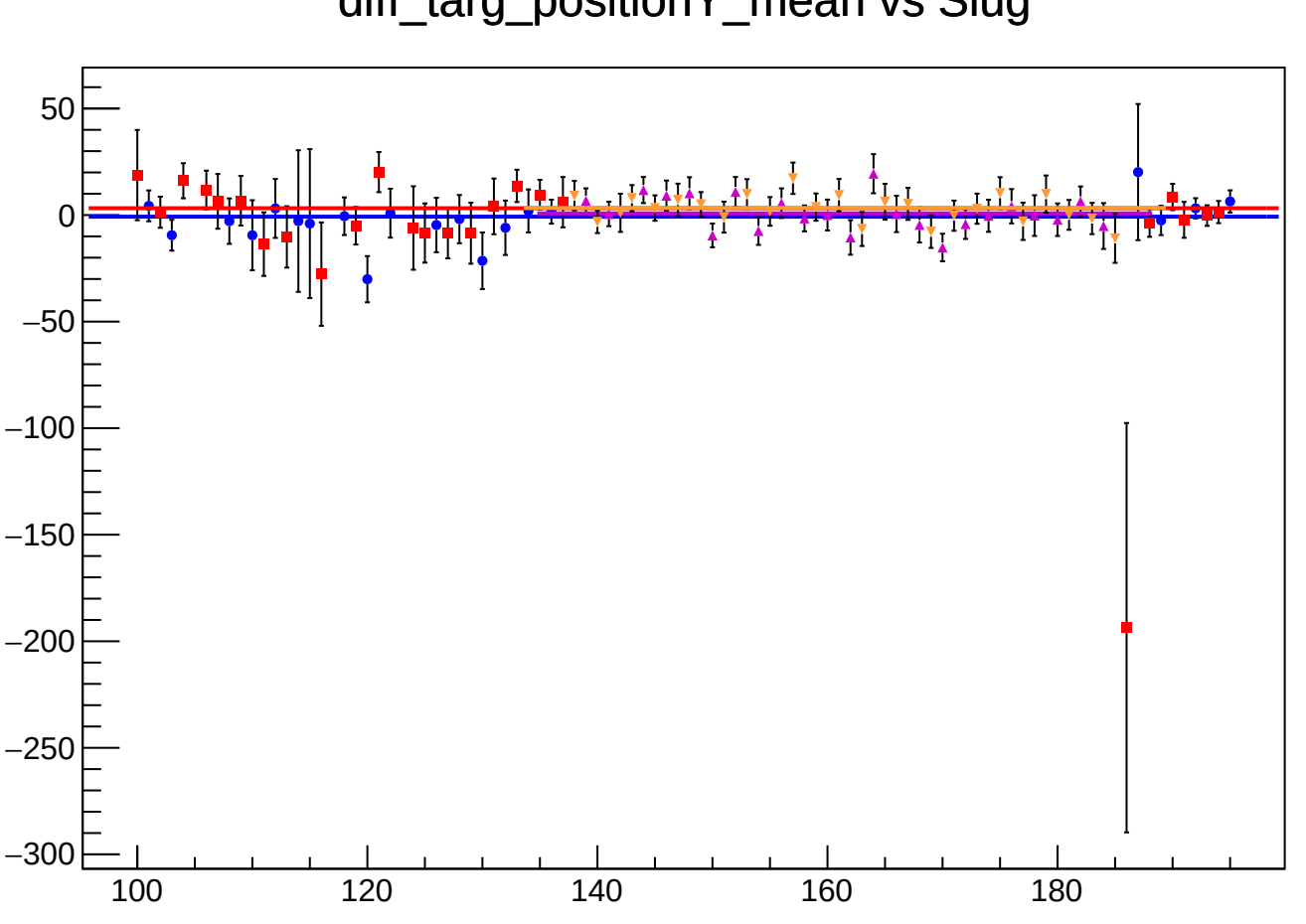
Right Out: 13393.598+/-3.039 χ^2/NDF: 2691441.3/24

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8784.014+/-1.202 χ^2/NDF: 4609958.2/44

All: 8905.376+/-0.863 χ^2/NDF: 10224029.2/9

- sign 9034.439+/-1.240 χ^2/NDF: 5593050.5/47



Right In: -0.759+/-1.973 χ^2/NDF: 15.7/19

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

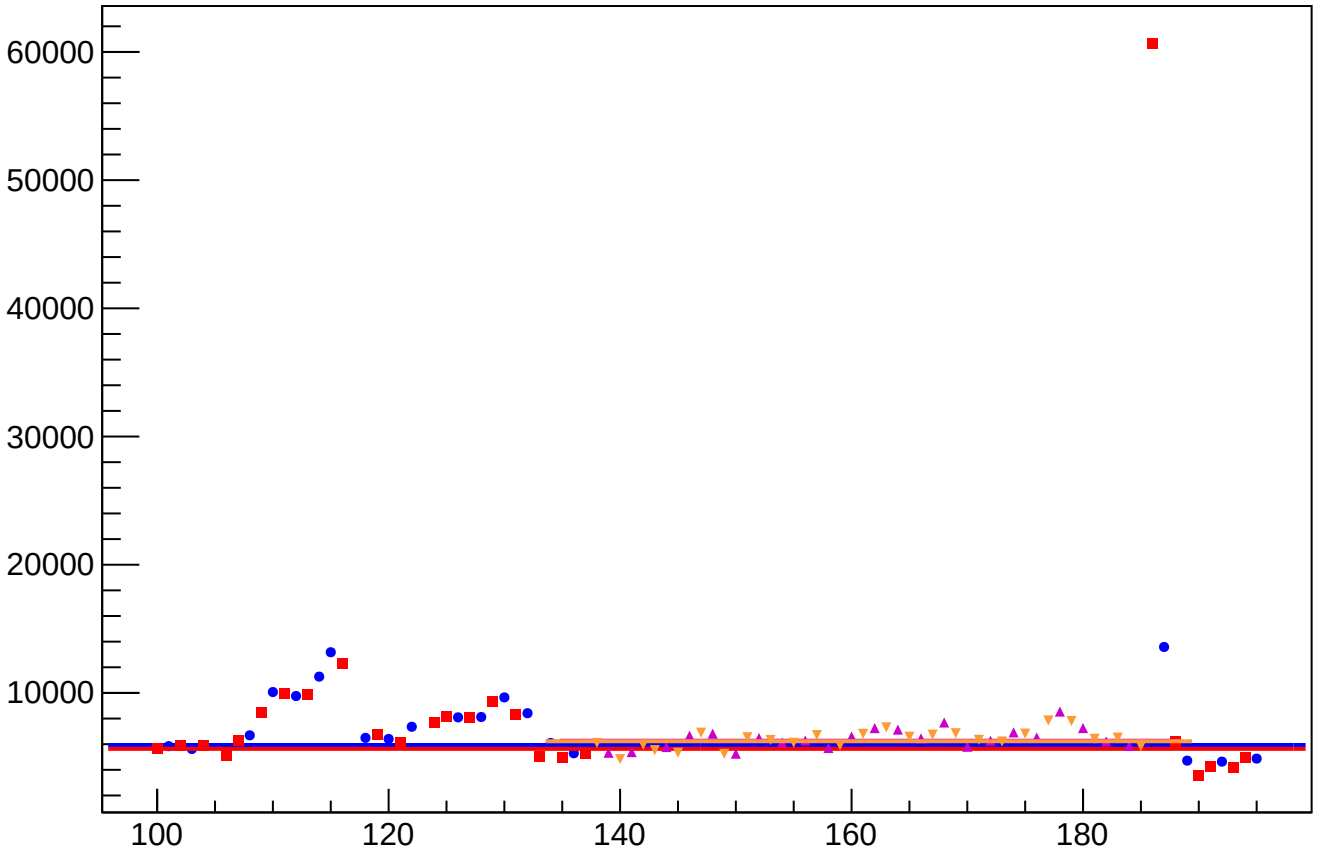
Right Out: 3.210+/-1.792 χ^2/NDF: 24.5/24

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.921+/-1.158 χ^2/NDF: 35.4/44

All: 1.846+/-0.813 χ^2/NDF: 90.4/92

- sign 1.774+/-1.141 χ^2/NDF: 54.9/47



Right In: 5937.847+/-1.395 χ^2/NDF: 1272255.4/19

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

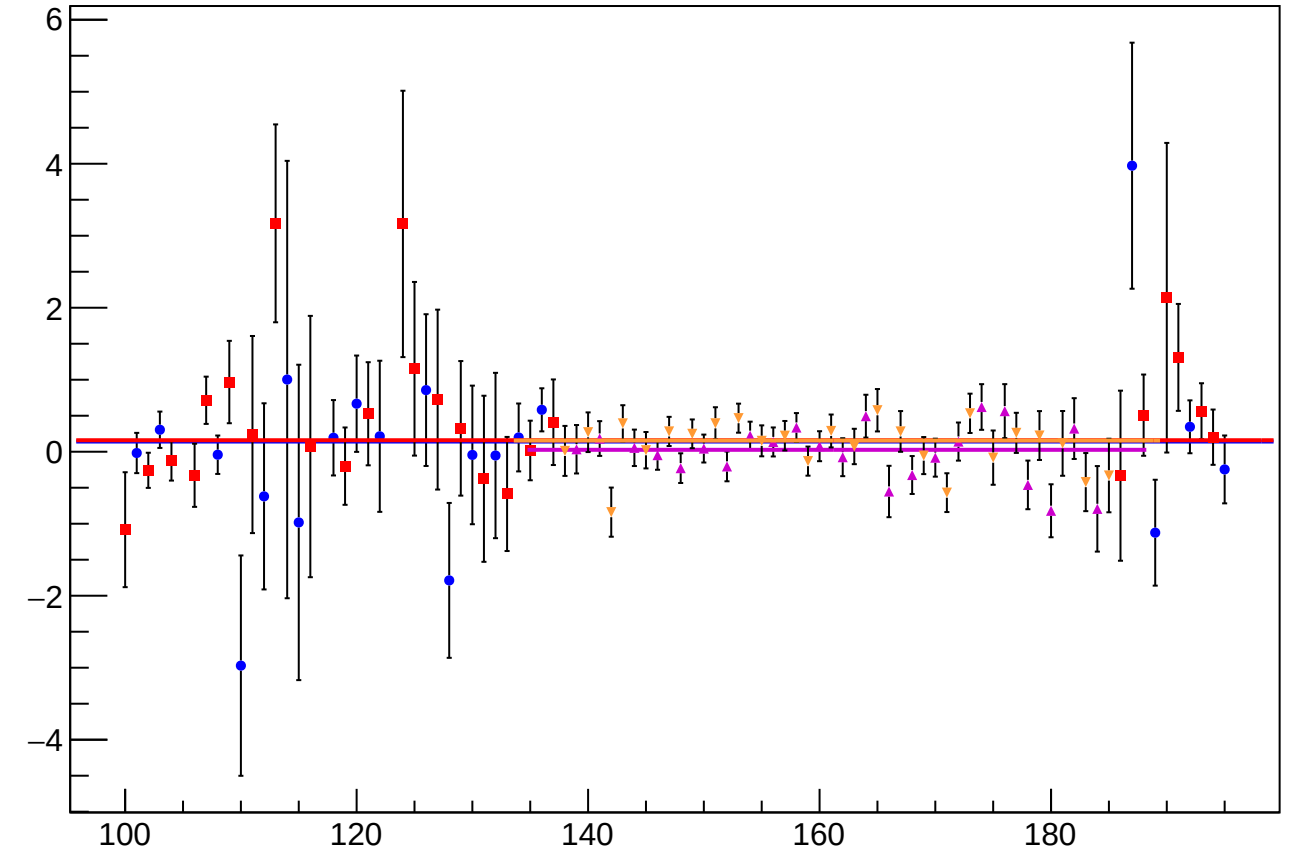
Right Out: 5636.867+/-1.267 χ^2/NDF: 2235211.7/24

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6129.972+/-0.819 χ^2/NDF: 1833753.9/44

All: 6071.135+/-0.575 χ^2/NDF: 4732753.8/92

- sign 6014.079+/-0.807 χ^2/NDF: 2888834.0/47



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: 0.160+/-0.106 χ^2/NDF: 27.9/24

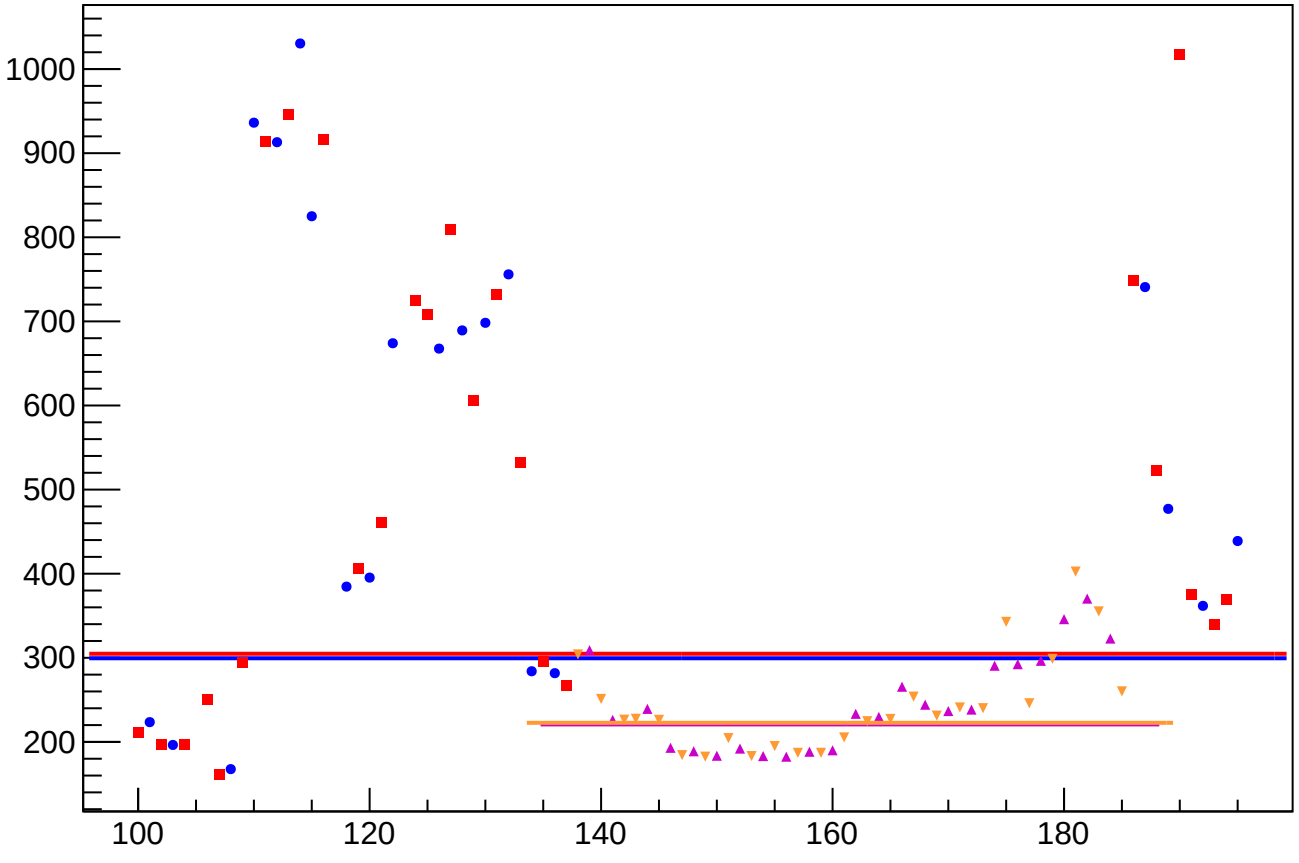
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.153+/-0.047 χ^2/NDF: 53.9/44

All: 0.104+/-0.033 χ^2/NDF: 115.1/92

- sign 0.053+/-0.047 χ^2/NDF: 59.0/47

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: 304.821+/-0.075 χ^2/NDF: 4570266.8/24

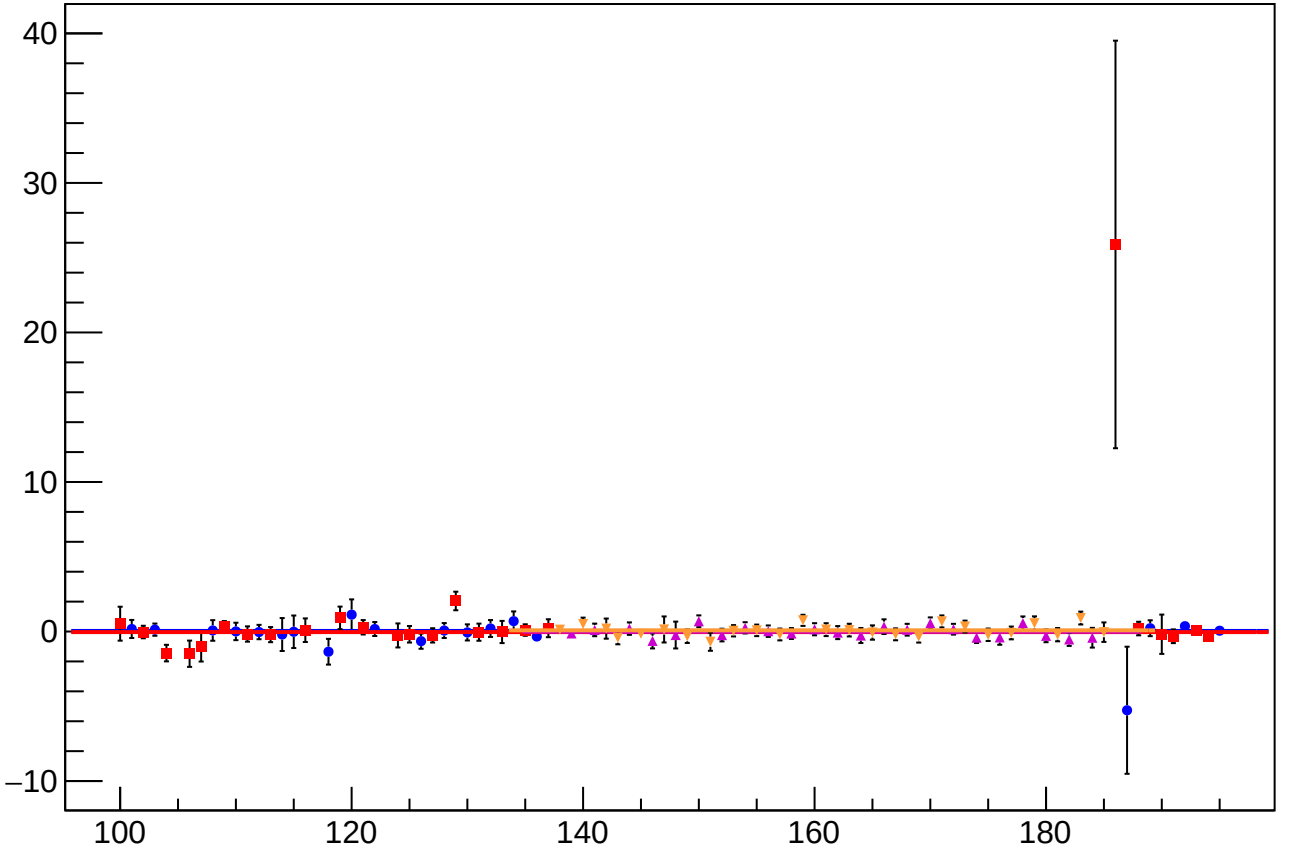
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 236.894+/-0.033 χ^2/NDF: 6261715.9/44

All: 237.245+/-0.024 χ^2/NDF: 13310041.6/92

- sign 237.605+/-0.034 χ^2/NDF: 7048098.0/47

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: -0.037+/-0.101 χ^2/NDF: 30.8/24

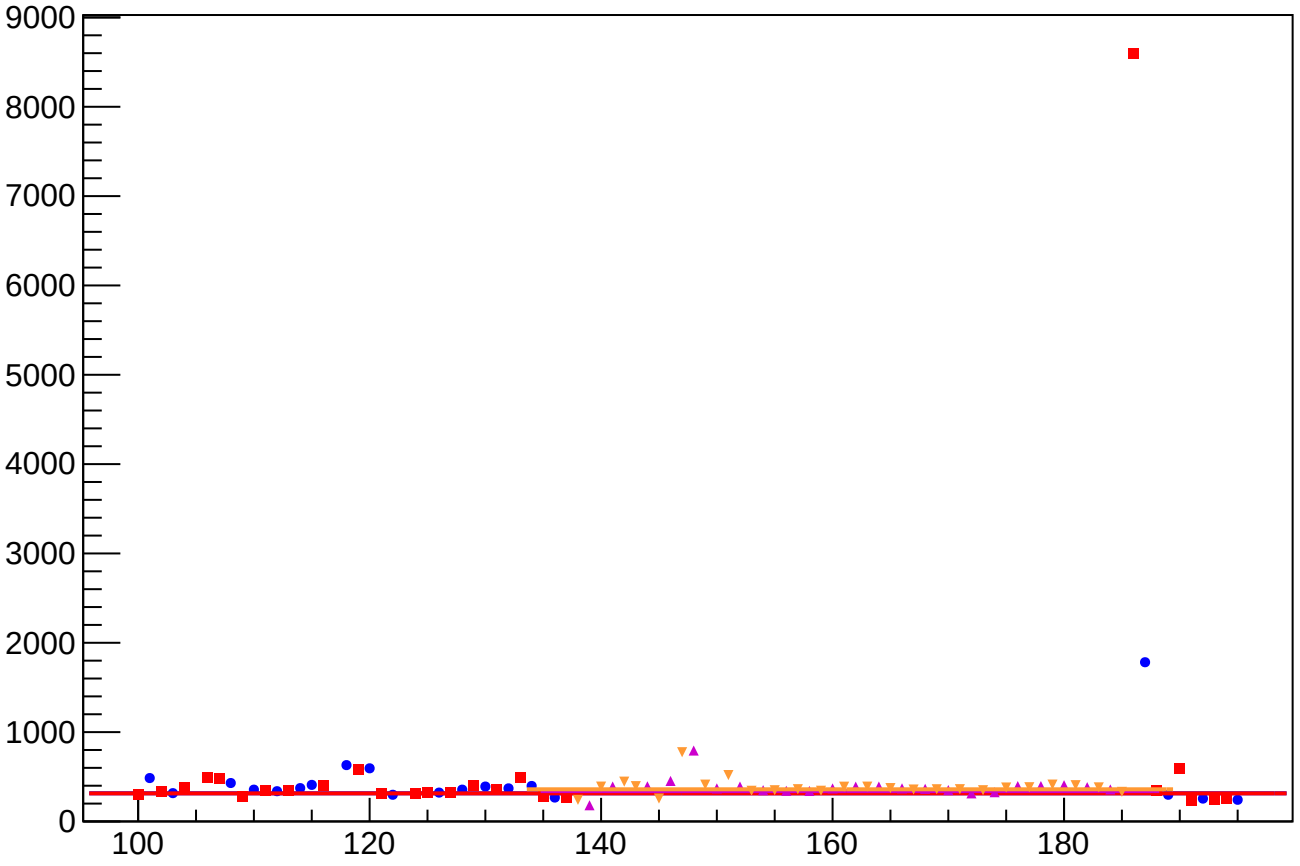
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.063+/-0.066 χ^2/NDF: 30.9/44

All: 0.021+/-0.046 χ^2/NDF: 77.7/92

- sign -0.020+/-0.064 χ^2/NDF: 46.1/47

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

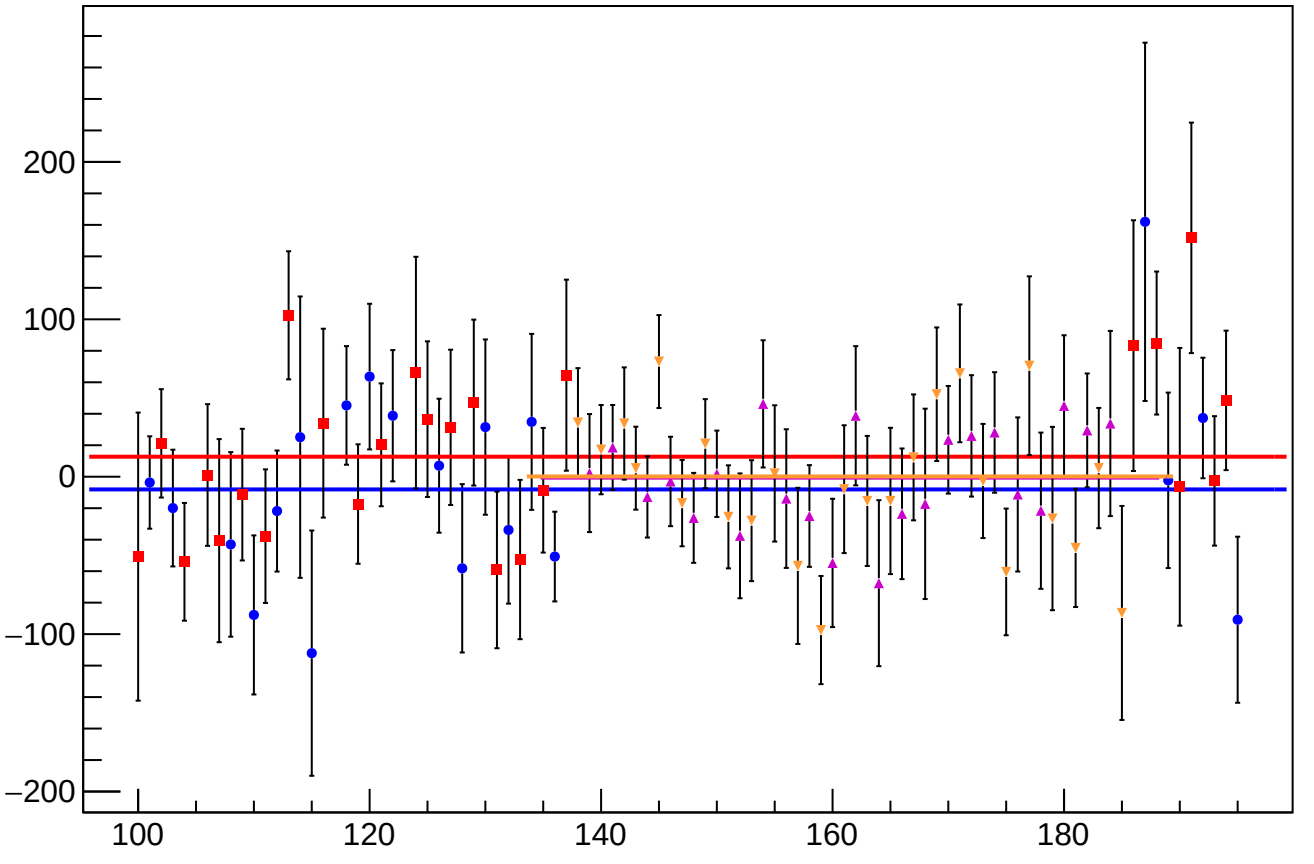
Right Out: 314.246+/-0.072 χ^2/NDF: 1792334.5/24

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 342.717+/-0.047 χ^2/NDF: 2886350.4/44

All: 336.030+/-0.033 χ^2/NDF: 7021134.4/92

- sign 329.714+/-0.045 χ^2/NDF: 4094881.3/47



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

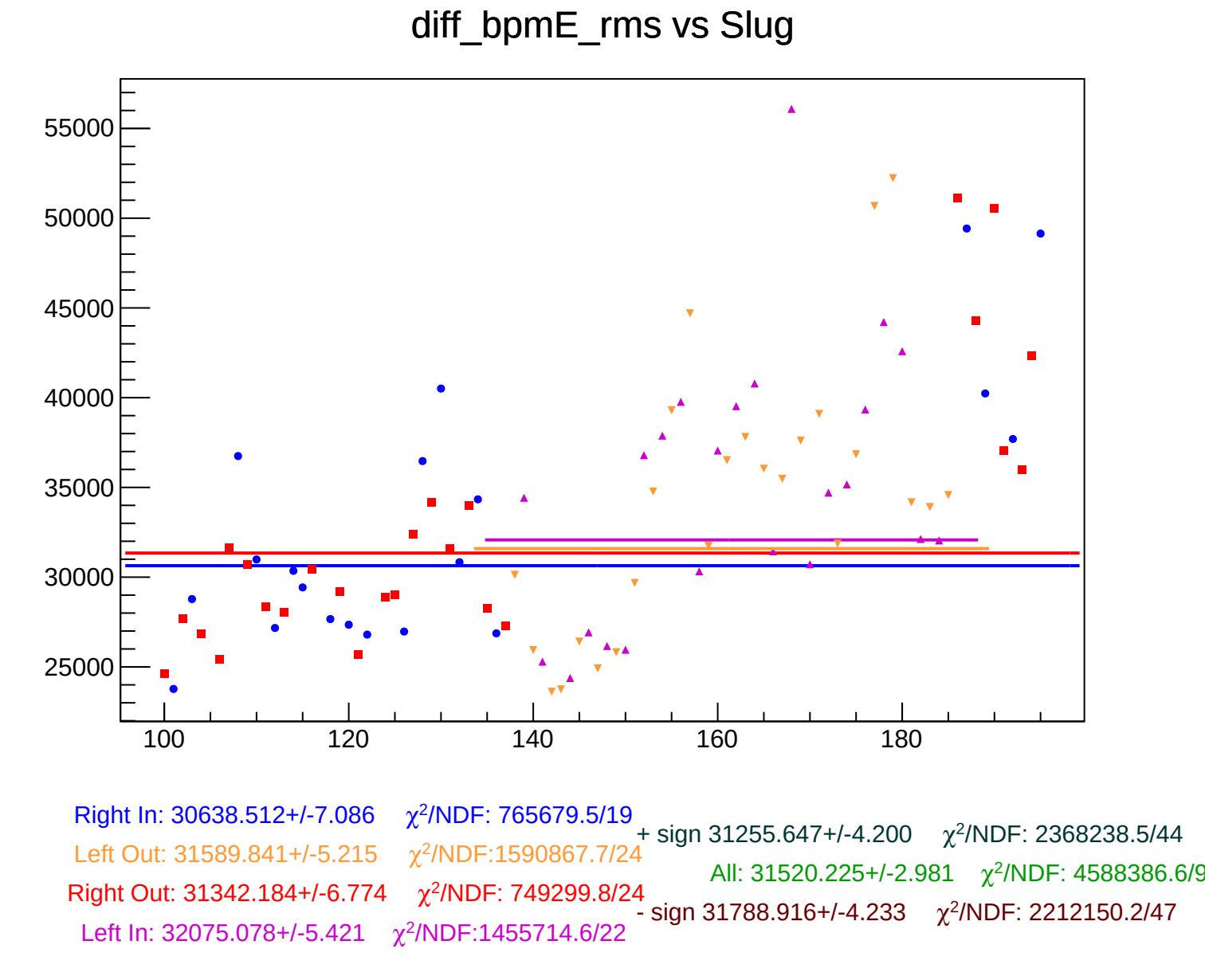
Right Out: 12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

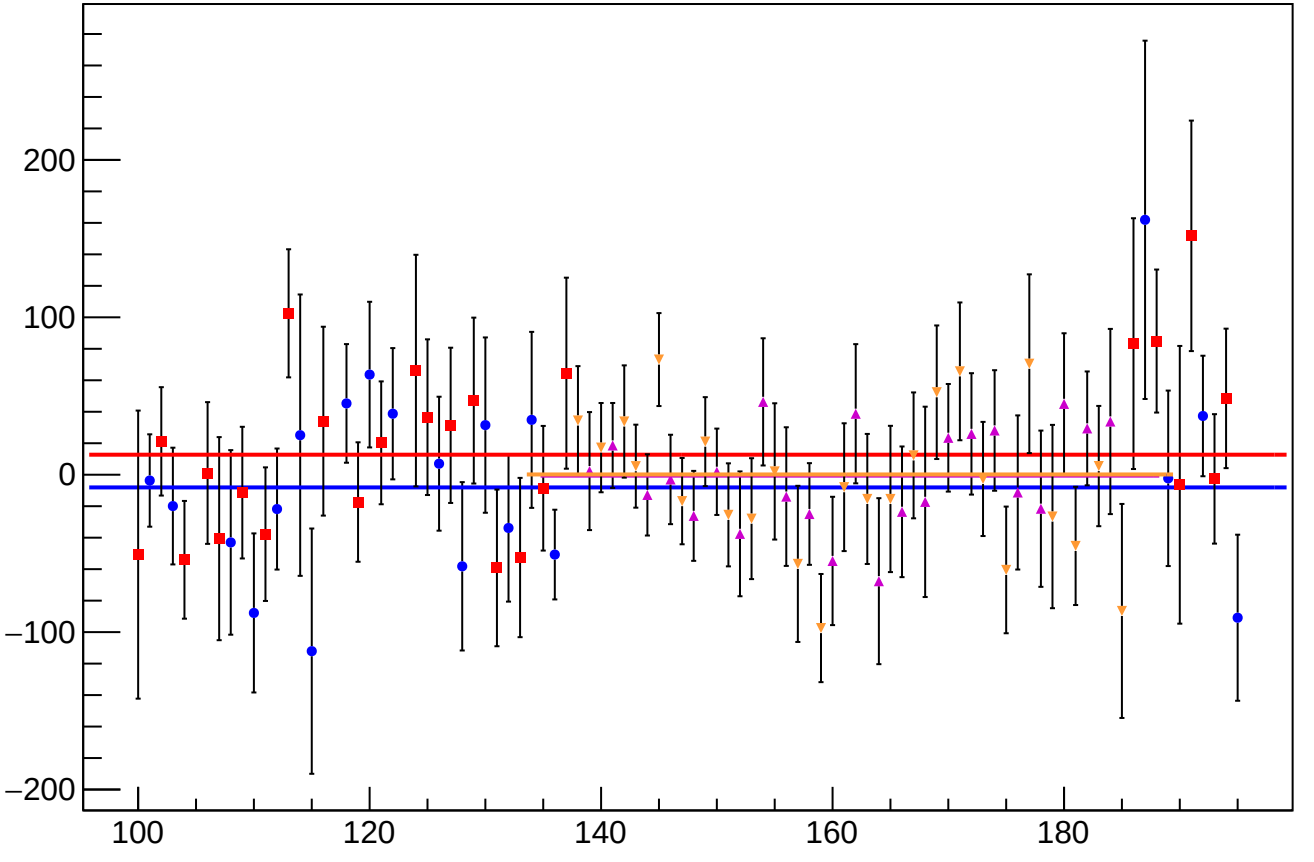
\+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 0.913+/-4.216 χ^2/NDF: 93.5/92

\- sign 4.608+/-5.986 χ^2/NDF: 39.7/47


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 30638.512+/-7.086 χ²/NDF: 765679.5/19
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31255.647+/-4.200 χ²/NDF: 2368238.5/44
All: 31520.225+/-2.981 χ²/NDF: 4588386.6/9
- sign 31788.916+/-4.233 χ²/NDF: 2212150.2/47

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

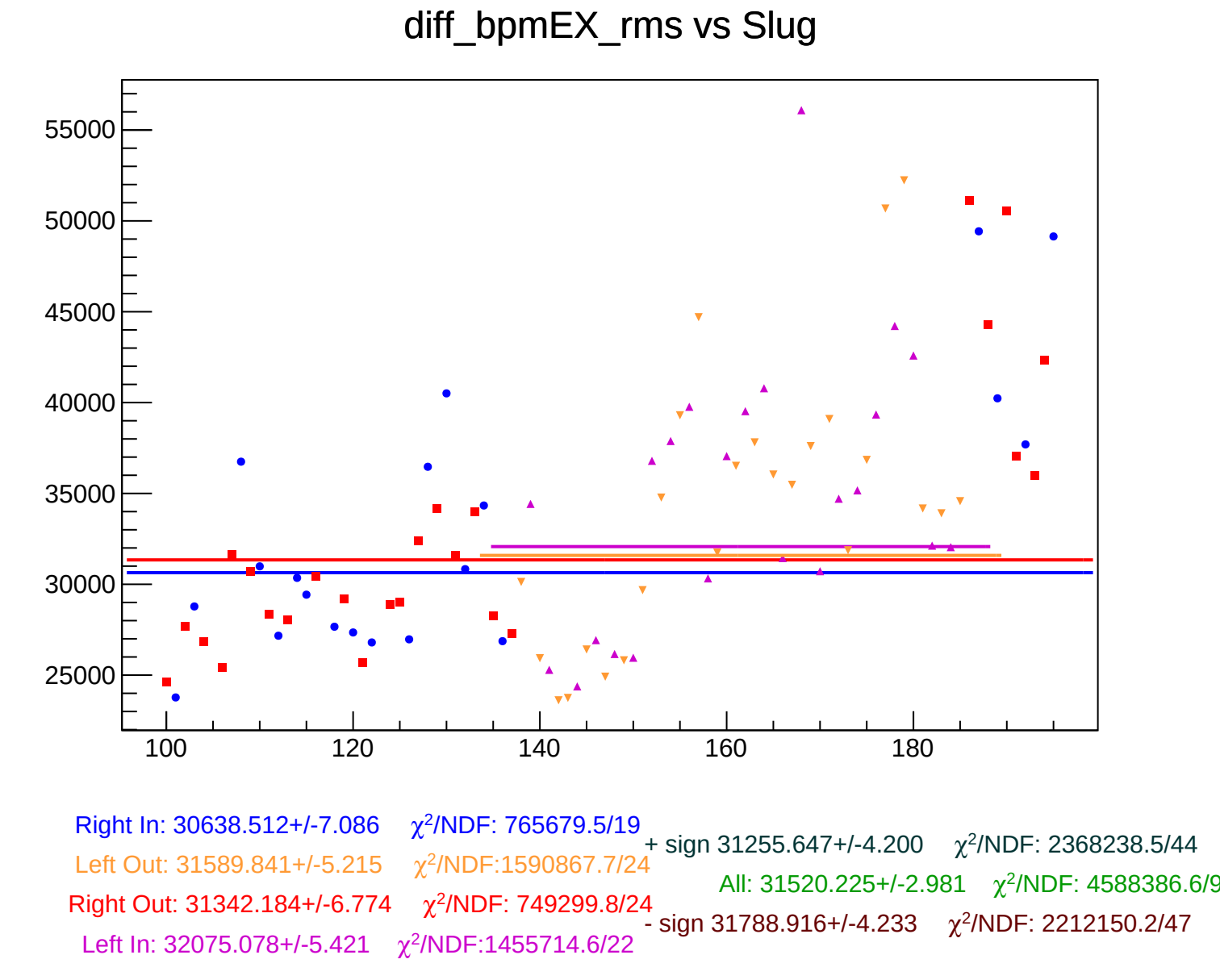
Right Out: 12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

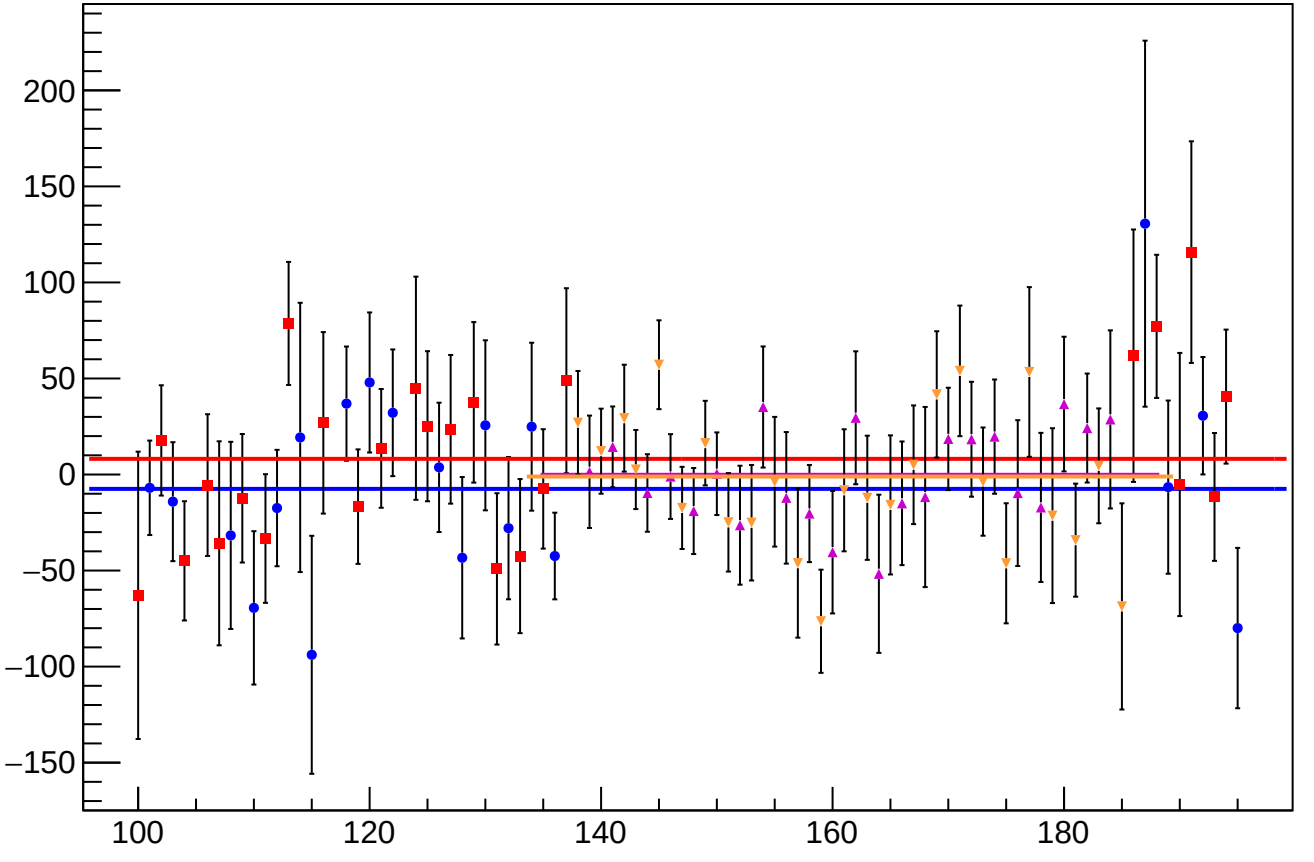
\+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 0.913+/-4.216 χ^2/NDF: 93.5/92

\- sign 4.608+/-5.986 χ^2/NDF: 39.7/47


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 30638.512+/-7.086 χ²/NDF: 765679.5/19
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31255.647+/-4.200 χ²/NDF: 2368238.5/44
All: 31520.225+/-2.981 χ²/NDF: 4588386.6/9
- sign 31788.916+/-4.233 χ²/NDF: 2212150.2/47

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: 8.160+/-7.667 χ^2/NDF: 27.2/24

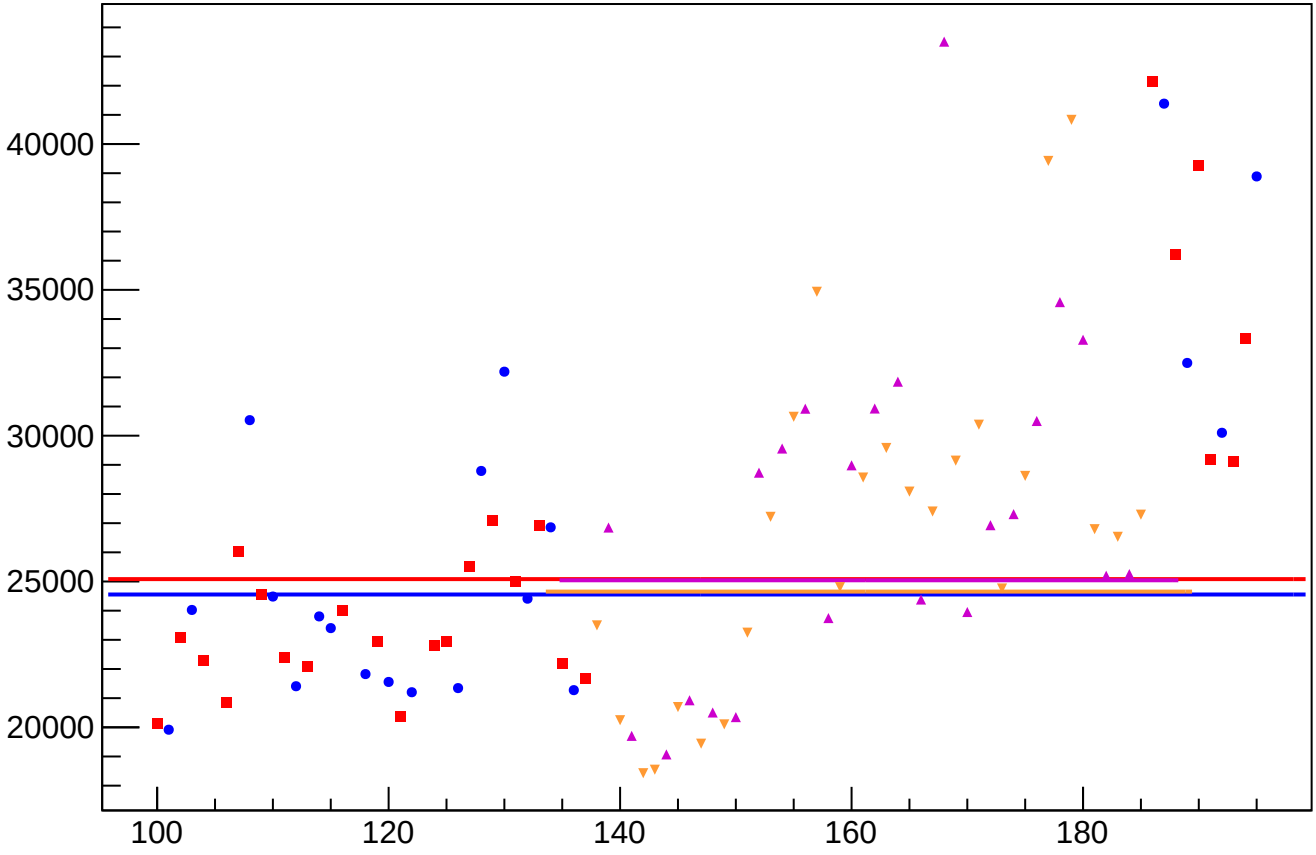
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.228+/-4.677 χ^2/NDF: 55.0/44

All: -0.142+/-3.321 χ^2/NDF: 95.8/92

- sign 2.998+/-4.718 χ^2/NDF: 40.0/47

diff_bpmE_11X12X_rms vs Slug



Right In: 24554.330+/-5.675 χ^2/NDF: 747314.4/19

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 25081.937+/-5.421 χ^2/NDF: 746338.4/24

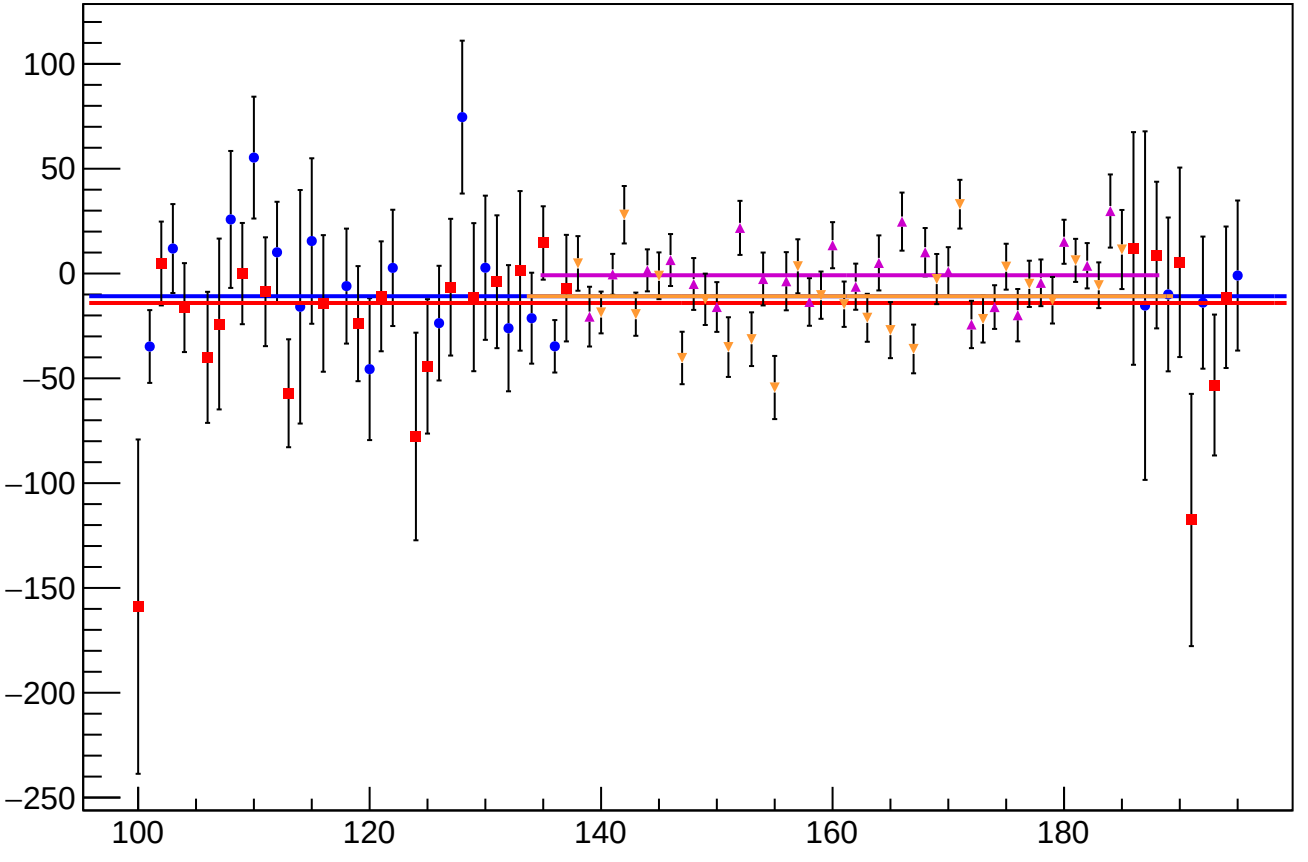
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24620.160+/-3.307 χ^2/NDF: 2330228.3/44

All: 24836.734+/-2.349 χ^2/NDF: 4526895.6/9

- sign 25057.116+/-3.336 χ^2/NDF: 2188013.6/47

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: -14.057+/-5.952 χ^2/NDF: 19.0/24

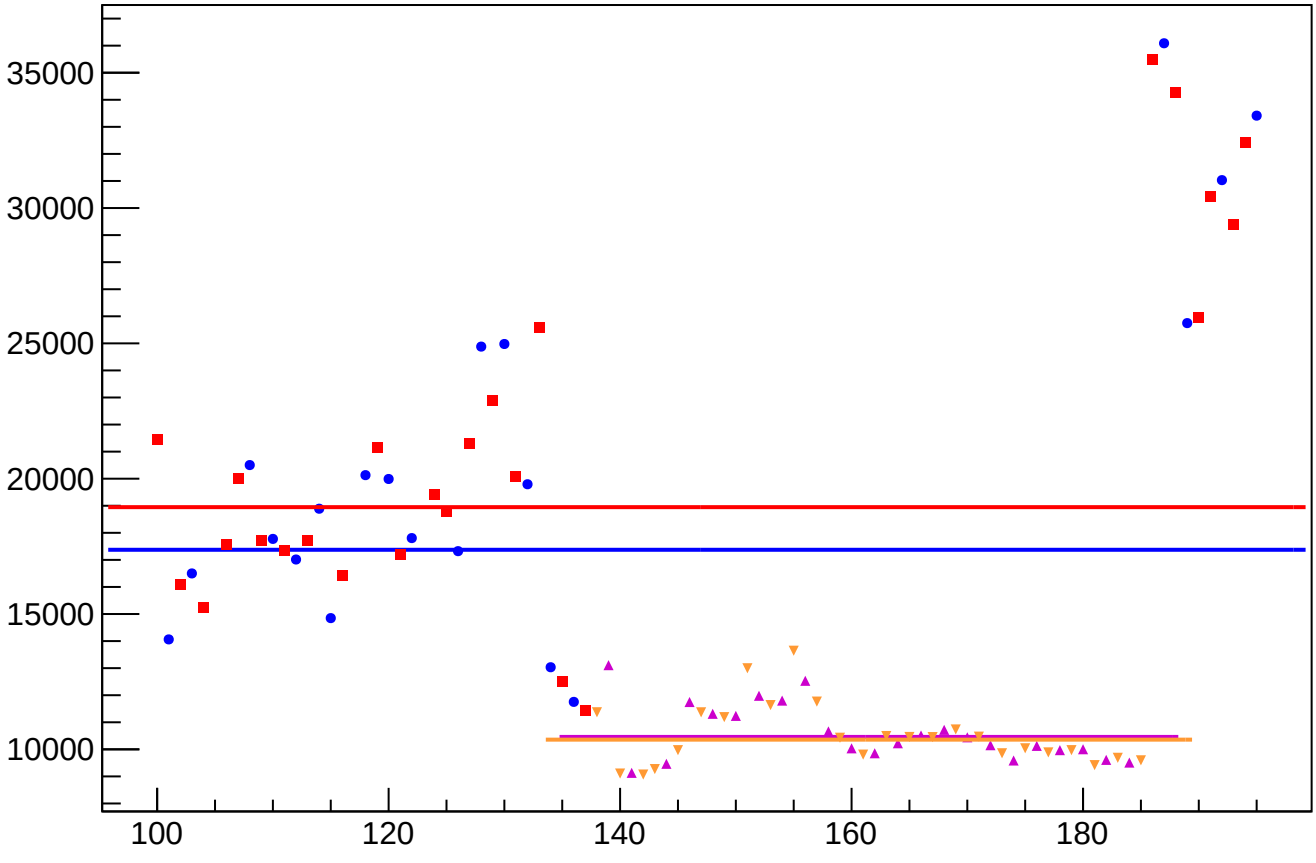
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.823+/-2.198 χ^2/NDF: 83.4/44

All: -6.920+/-1.579 χ^2/NDF: 142.6/92

- sign -2.752+/-2.271 χ^2/NDF: 52.7/47

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: 18948.623+/-4.209 χ^2/NDF: 1898602.8/24

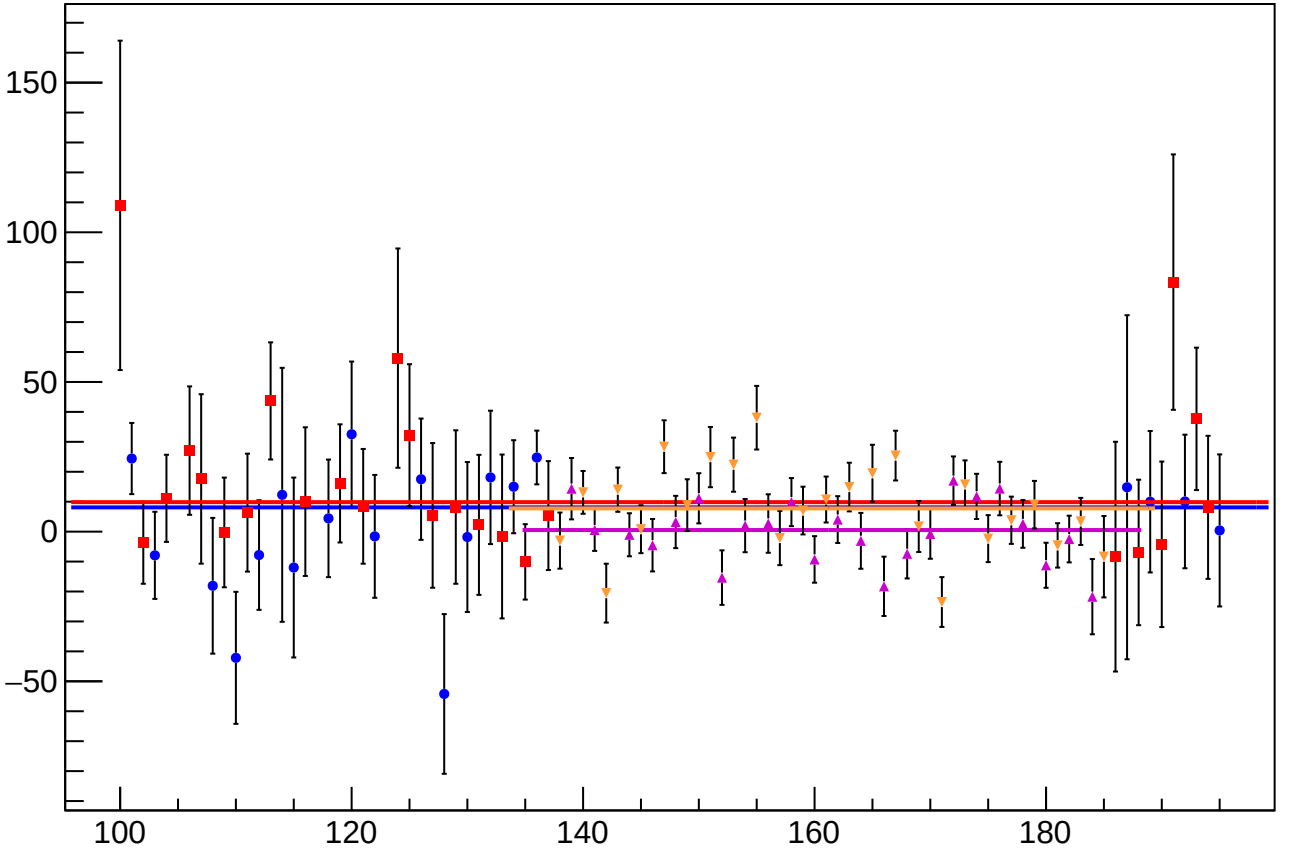
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11343.318+/-1.554 χ^2/NDF: 4621867.6/44

All: 11513.361+/-1.117 χ^2/NDF: 10335873.2

- sign 11694.968+/-1.606 χ^2/NDF: 5689243.8/47

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: 9.849+/-4.269 χ^2/NDF: 19.2/24

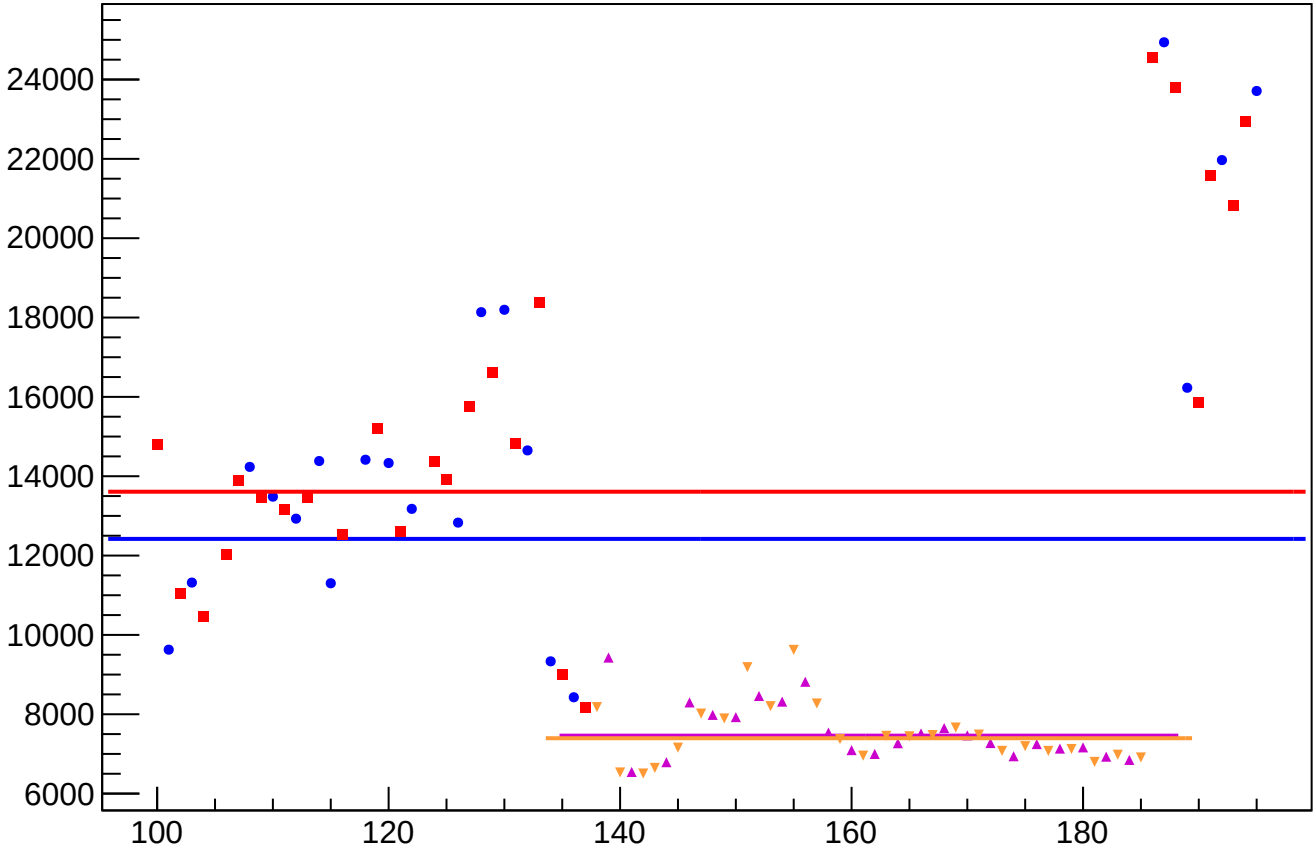
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.810+/-1.569 χ^2/NDF: 82.9/44

All: 4.939+/-1.127 χ^2/NDF: 142.5/92

- sign 1.875+/-1.621 χ^2/NDF: 52.7/47

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: 13609.644+/-3.019 χ^2/NDF: 1844306.9/24

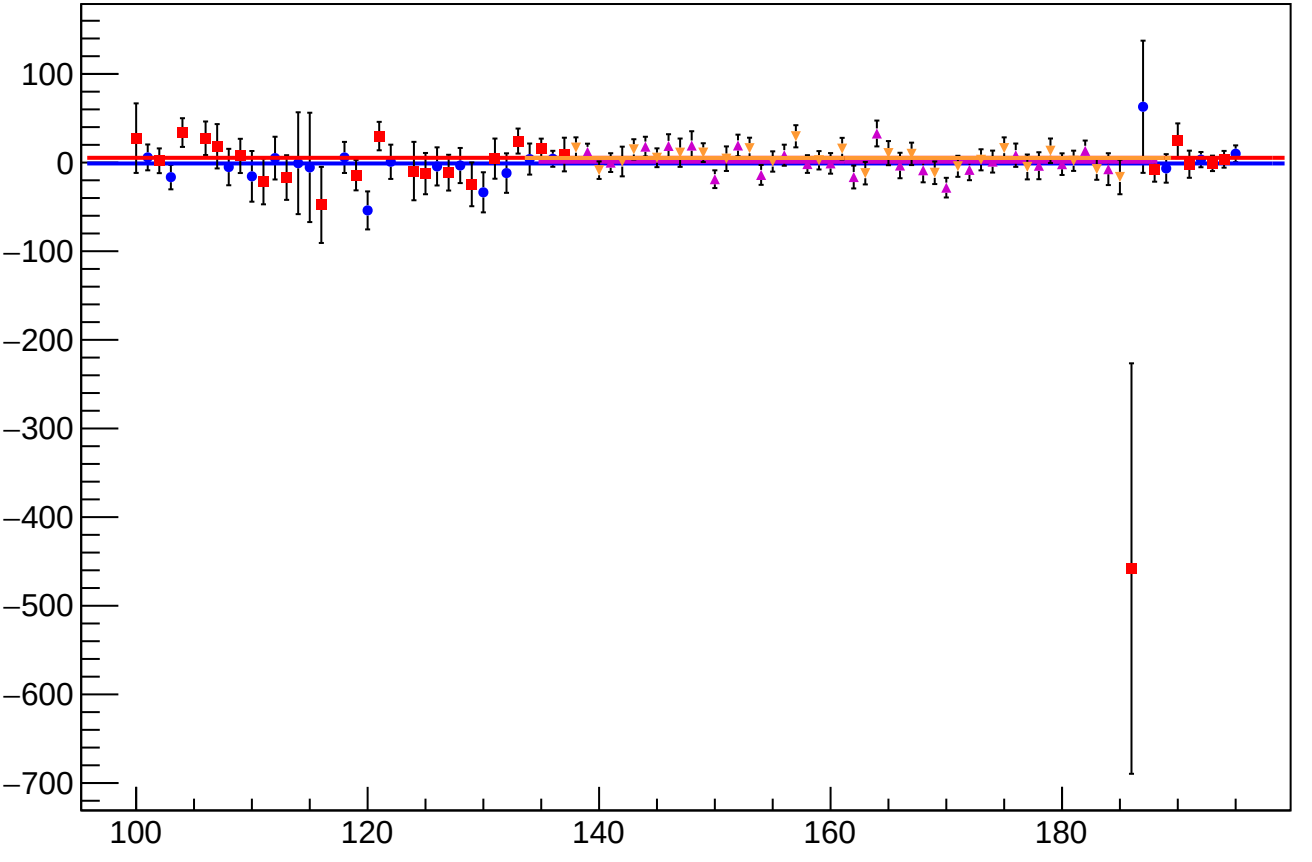
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8097.794+/-1.109 χ^2/NDF: 4576637.3/44

All: 8218.335+/-0.797 χ^2/NDF: 10279893.5/9

- sign 8346.993+/-1.146 χ^2/NDF: 5678847.1/47

diff_bpm4aesumY_mean vs Slug



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: 5.376+/-3.361 χ^2/NDF: 24.4/24

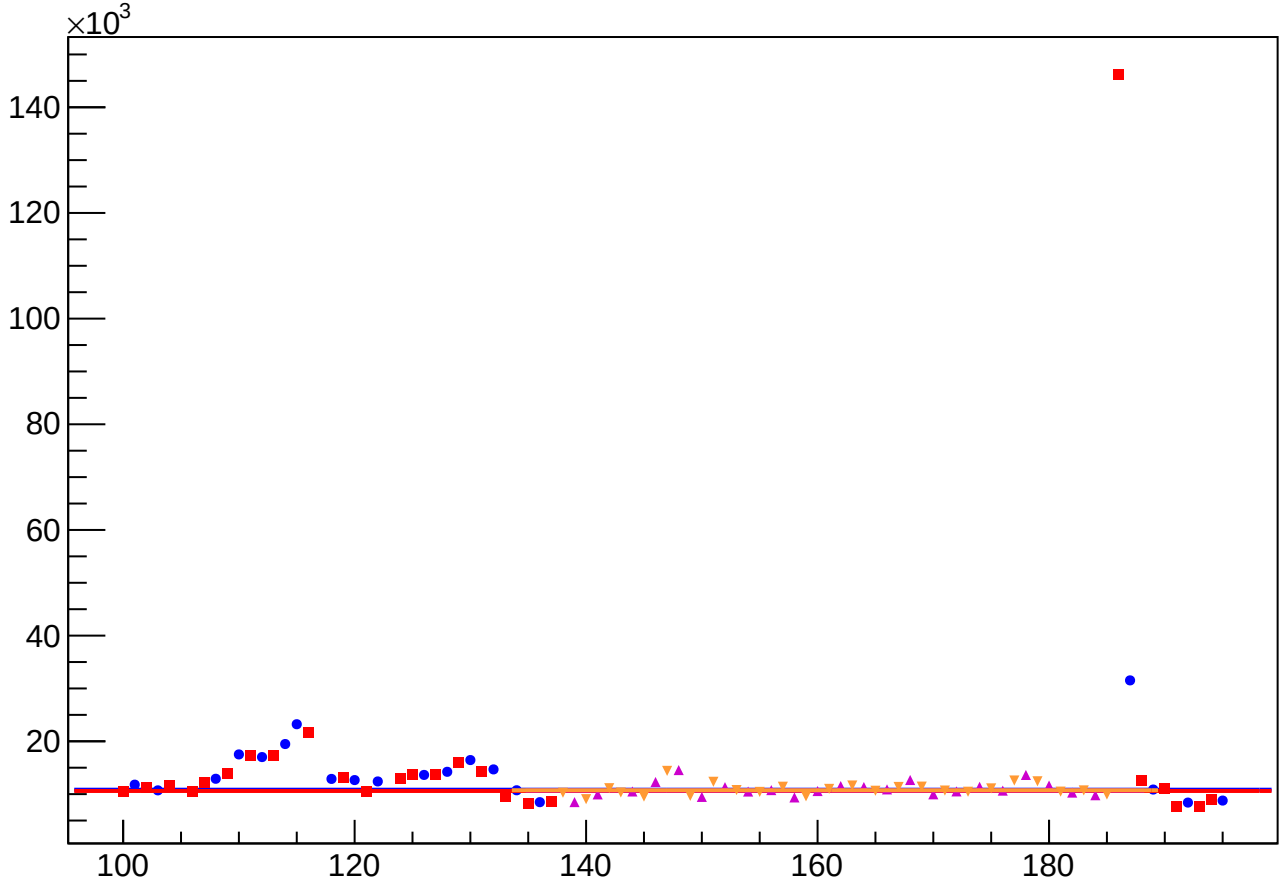
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.213+/-2.031 χ^2/NDF: 33.7/44

All: 2.856+/-1.431 χ^2/NDF: 91.1/92

- sign 2.504+/-2.015 χ^2/NDF: 57.4/47

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: 10596.613+/-2.376 χ^2/NDF: 1988329.1/24

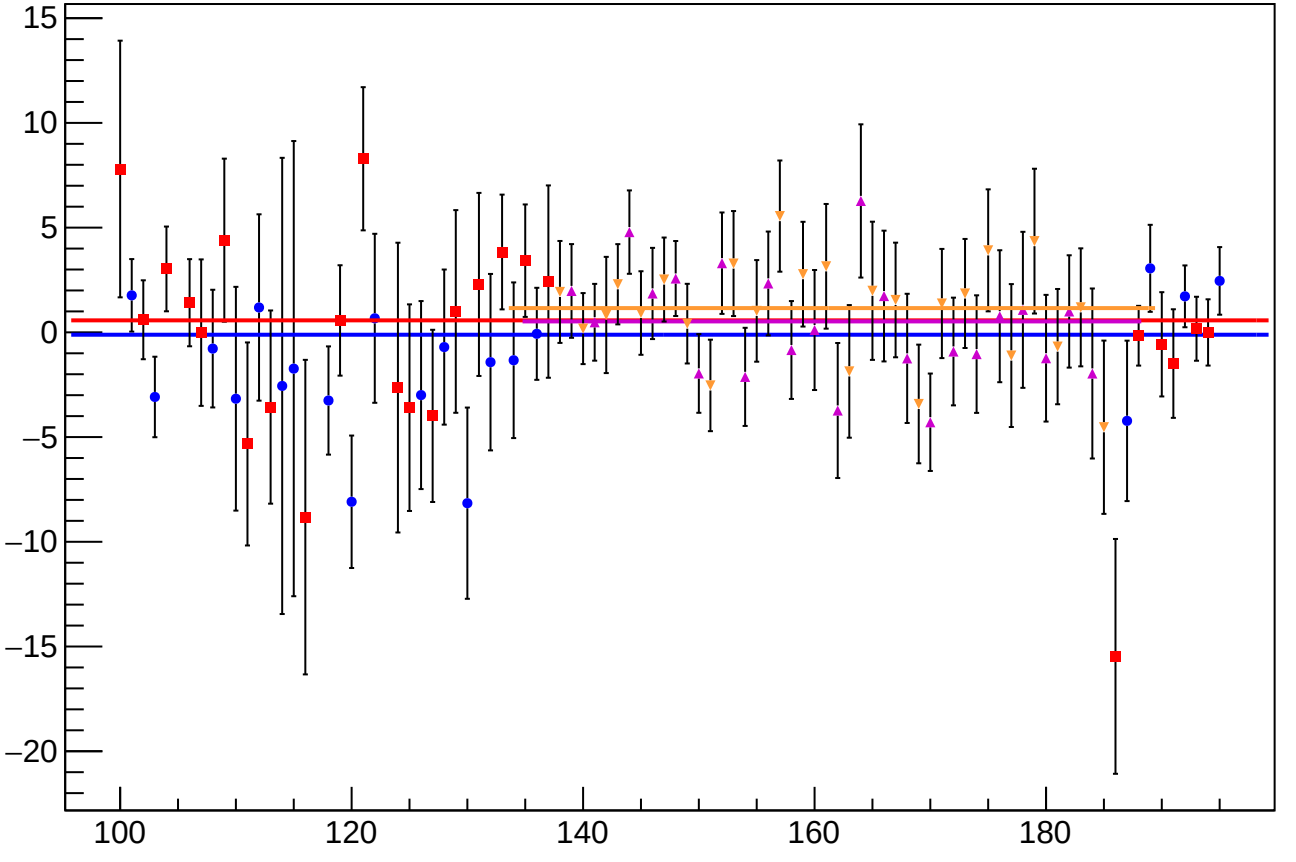
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10765.696+/-1.436 χ^2/NDF: 1641332.7/44

All: 10706.489+/-1.012 χ^2/NDF: 4134344.9/9

- sign 10648.189+/-1.425 χ^2/NDF: 2489639.0/47

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: 0.572+/-0.537 χ^2/NDF: 27.5/24

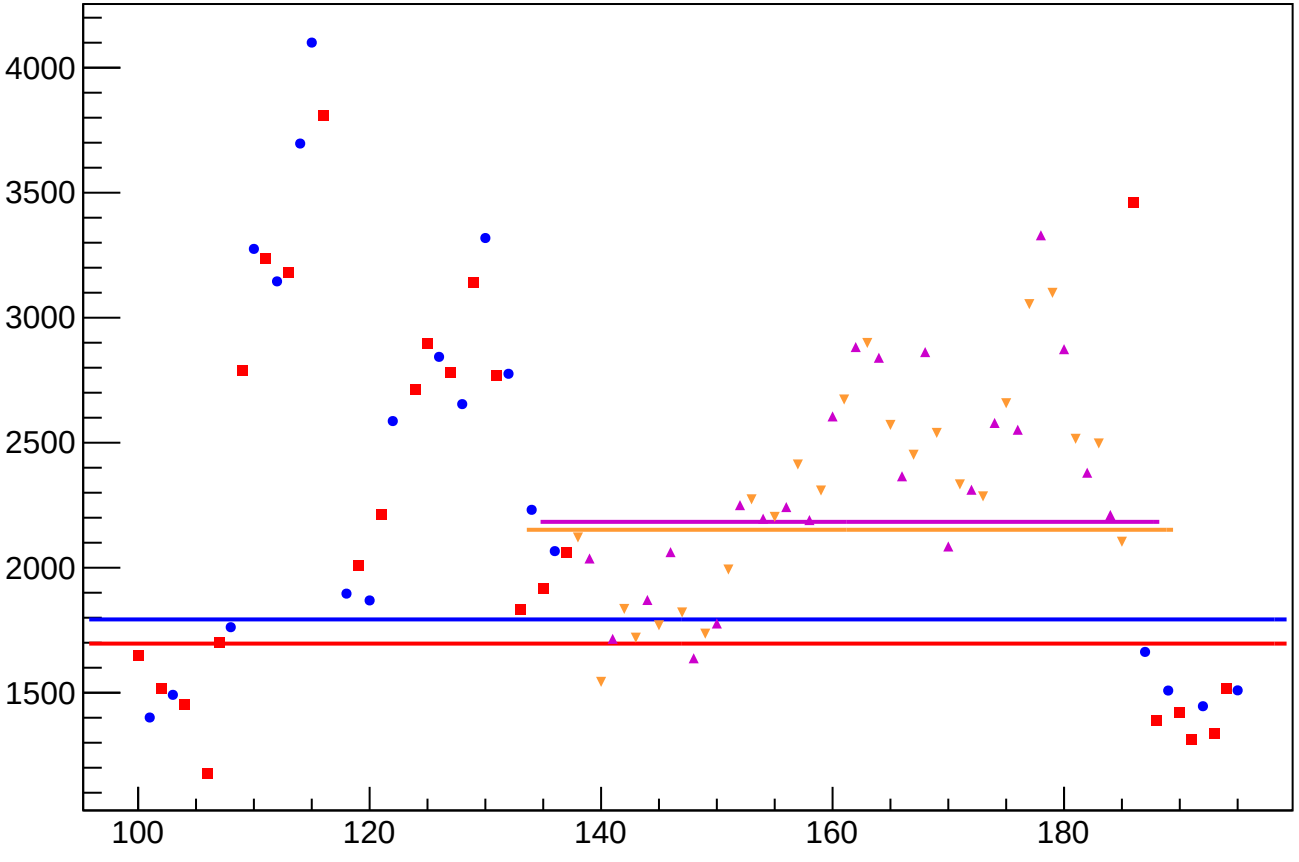
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.635+/-0.384 χ^2/NDF: 42.8/44

All: 0.589+/-0.268 χ^2/NDF: 92.6/92

- sign 0.546+/-0.374 χ^2/NDF: 49.8/47

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: 1696.490+/-0.380 χ^2/NDF: 2096965.6/24

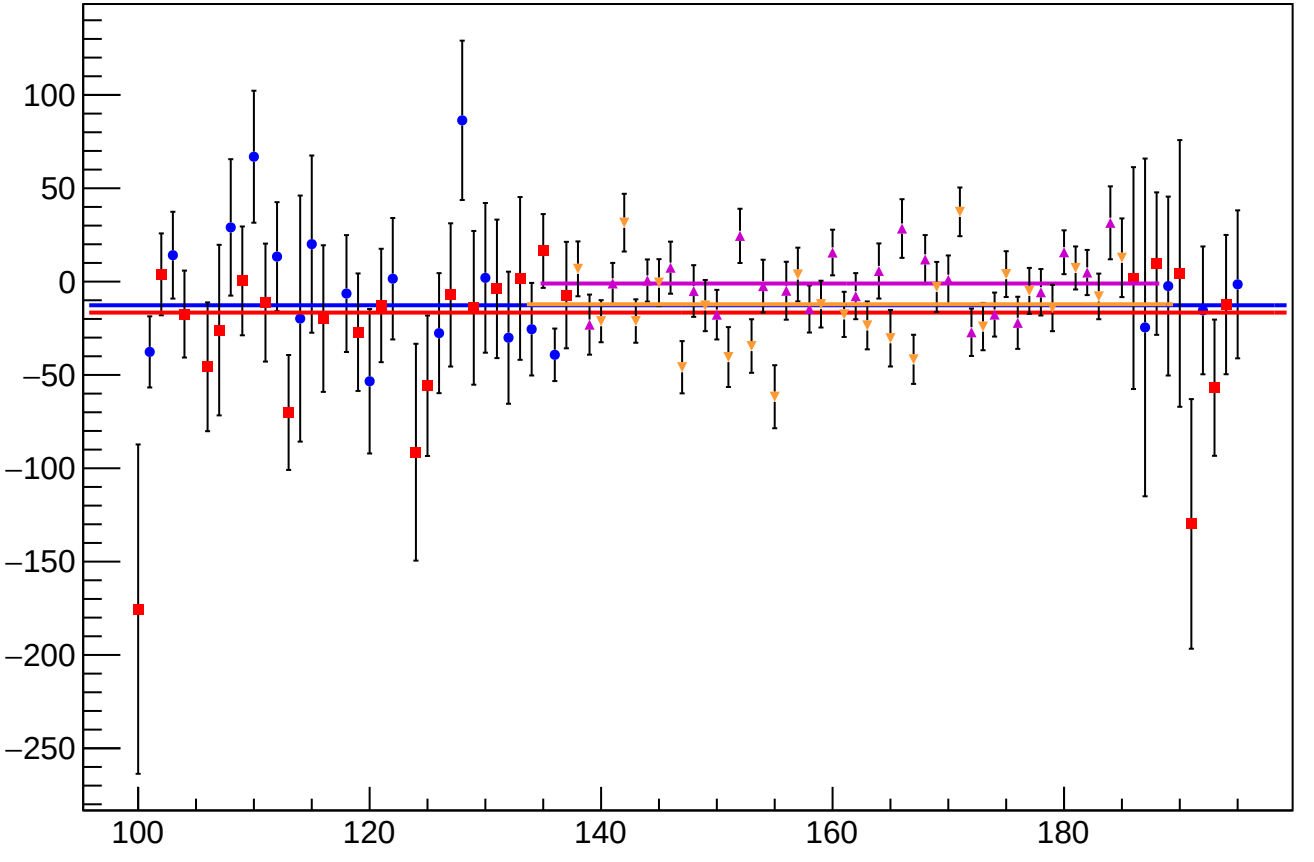
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2004.256+/-0.271 χ^2/NDF: 3317071.4/44

All: 1975.347+/-0.189 χ^2/NDF: 7447255.4/92

- sign 1947.947+/-0.264 χ^2/NDF: 4108072.1/47

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

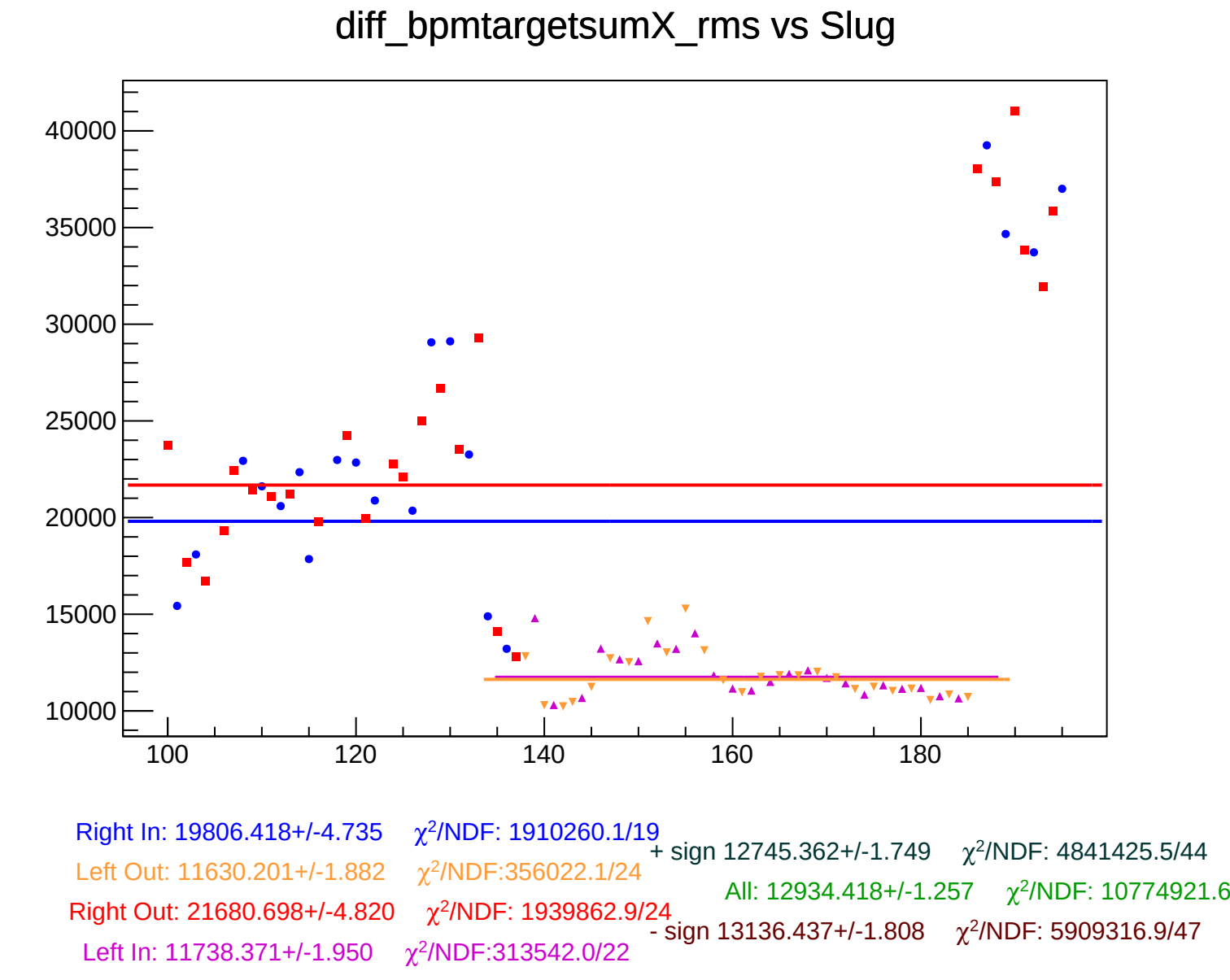
Right Out: -16.598+/-6.817 χ^2/NDF: 19.1/24

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

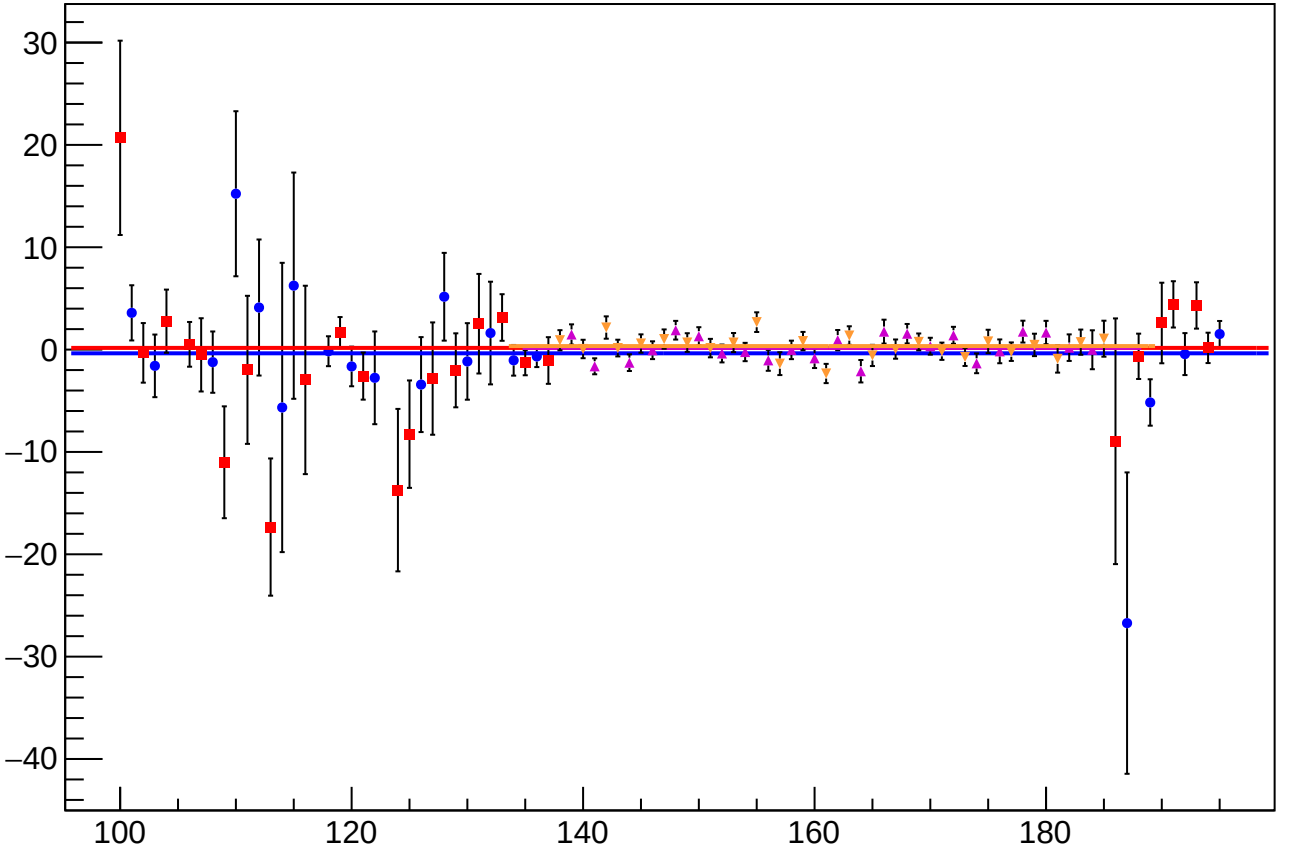
+ sign -12.209+/-2.473 χ^2/NDF: 84.6/44

All: -7.860+/-1.777 χ^2/NDF: 143.5/92

- sign -3.214+/-2.556 χ^2/NDF: 52.4/47


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 19806.418+/-4.735 χ²/NDF: 1910260.1/19
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 21680.698+/-4.820 χ²/NDF: 1939862.9/24
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 12745.362+/-1.749 χ²/NDF: 4841425.5/44
All: 12934.418+/-1.257 χ²/NDF: 10774921.6
- sign 13136.437+/-1.808 χ²/NDF: 5909316.9/47

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

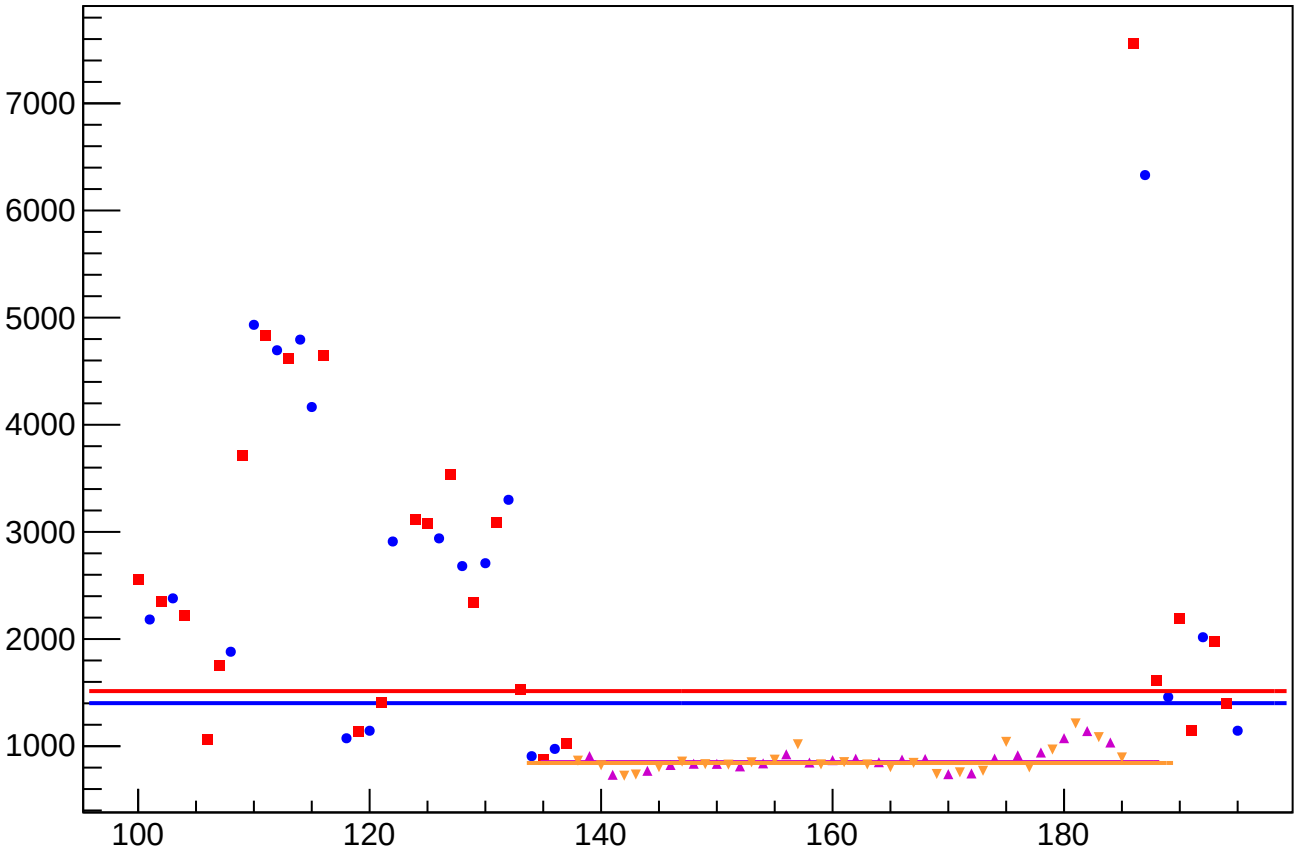
Right Out: 0.166+/-0.526 χ^2/NDF: 37.0/24

Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.254+/-0.181 χ^2/NDF: 48.7/44

All: 0.211+/-0.130 χ^2/NDF: 122.2/92

- sign 0.165+/-0.188 χ^2/NDF: 73.4/47



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: 1514.160+/-0.372 χ^2/NDF: 4123818.3/24

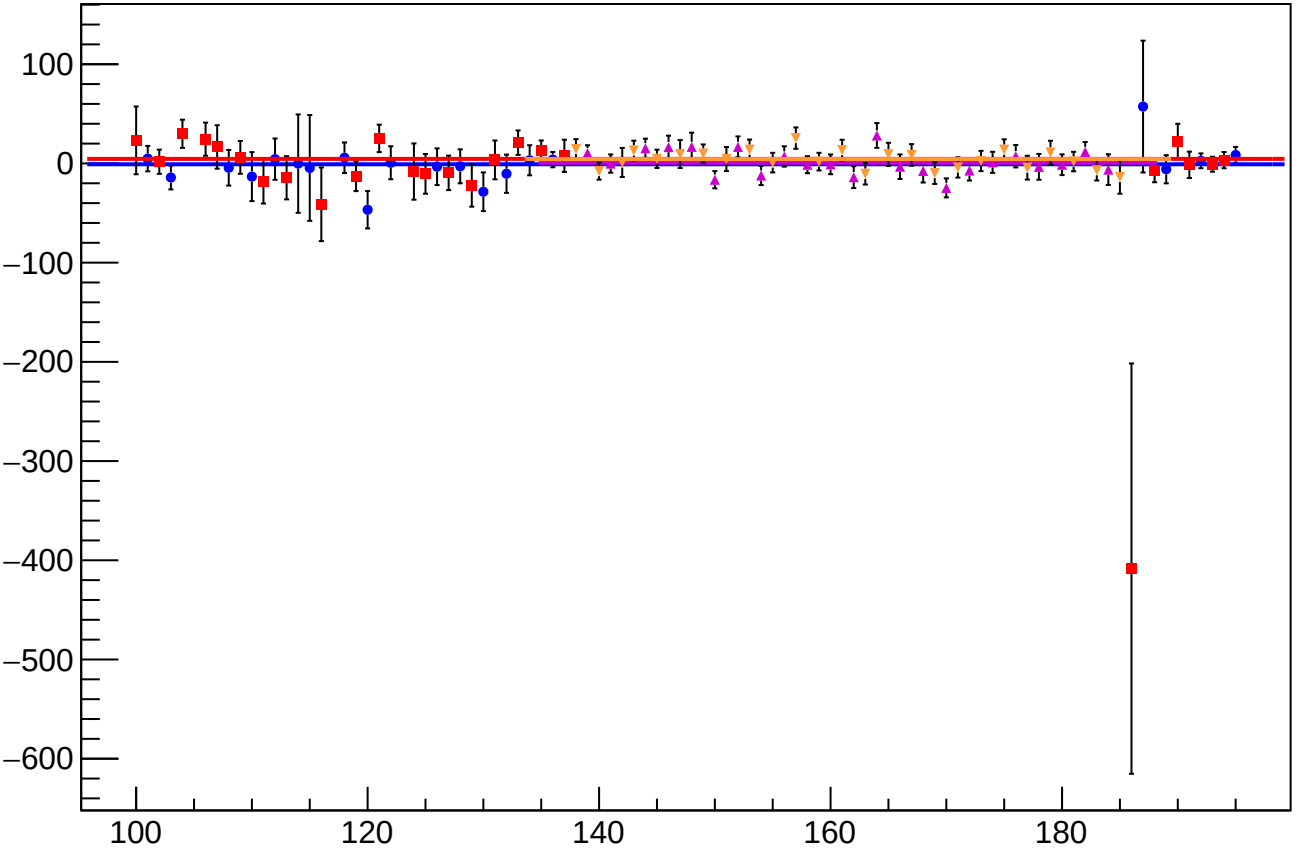
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 913.466+/-0.128 χ^2/NDF: 6462123.9/44

All: 924.254+/-0.092 χ^2/NDF: 13748815.5/92

- sign 935.830+/-0.133 χ^2/NDF: 7271991.2/47

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: 4.599+/-2.921 χ^2/NDF: 24.4/24

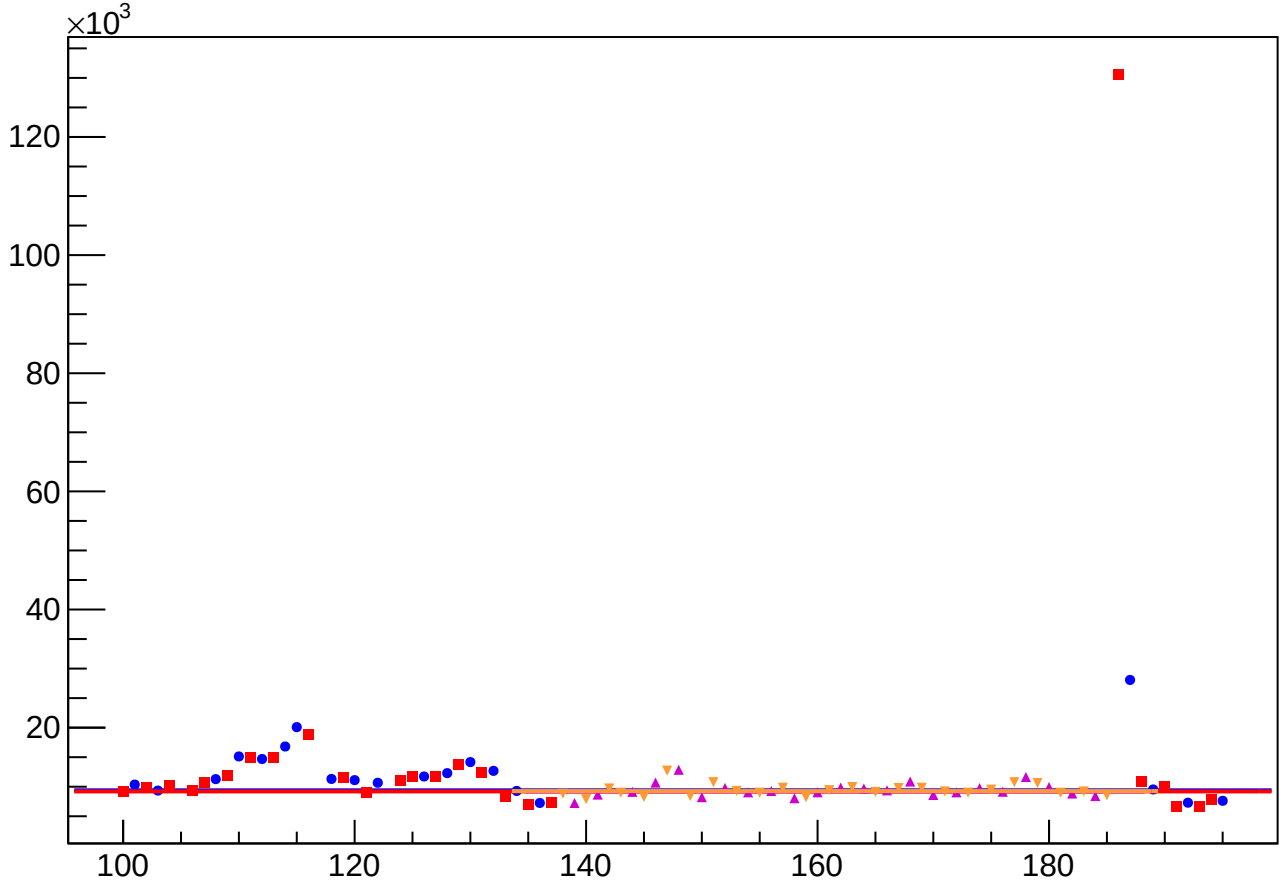
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.736+/-1.755 χ^2/NDF: 33.5/44

All: 2.420+/-1.237 χ^2/NDF: 91.1/92

- sign 2.109+/-1.742 χ^2/NDF: 57.5/47

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: 9204.785+/-2.066 χ^2/NDF: 1995192.6/24

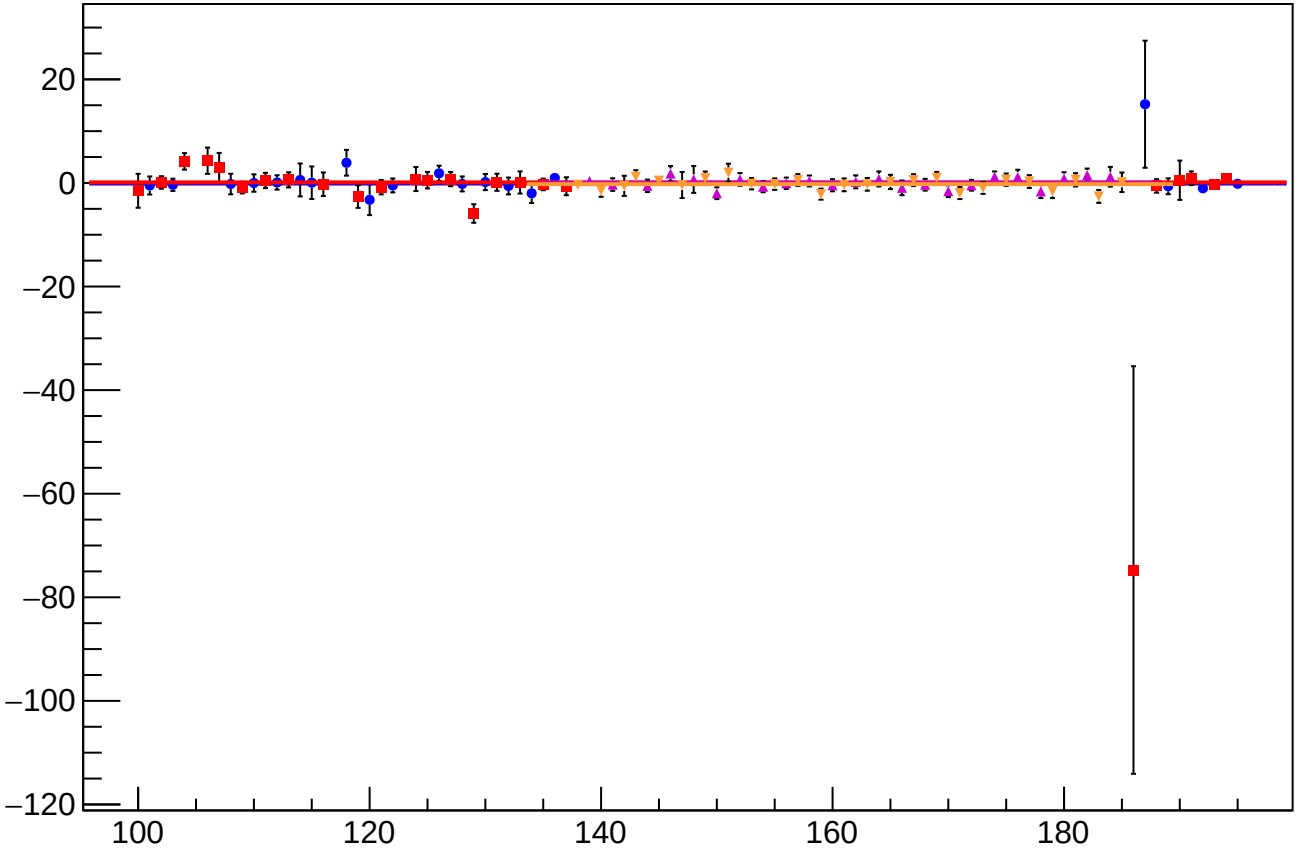
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9302.357+/-1.241 χ^2/NDF: 1657607.6/44

All: 9251.505+/-0.874 χ^2/NDF: 4171633.0/92

- sign 9201.407+/-1.232 χ^2/NDF: 2510693.5/47

diff_bpmtargetdiffY_mean vs Slug



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: 0.107+/-0.293 χ^2/NDF: 30.8/24

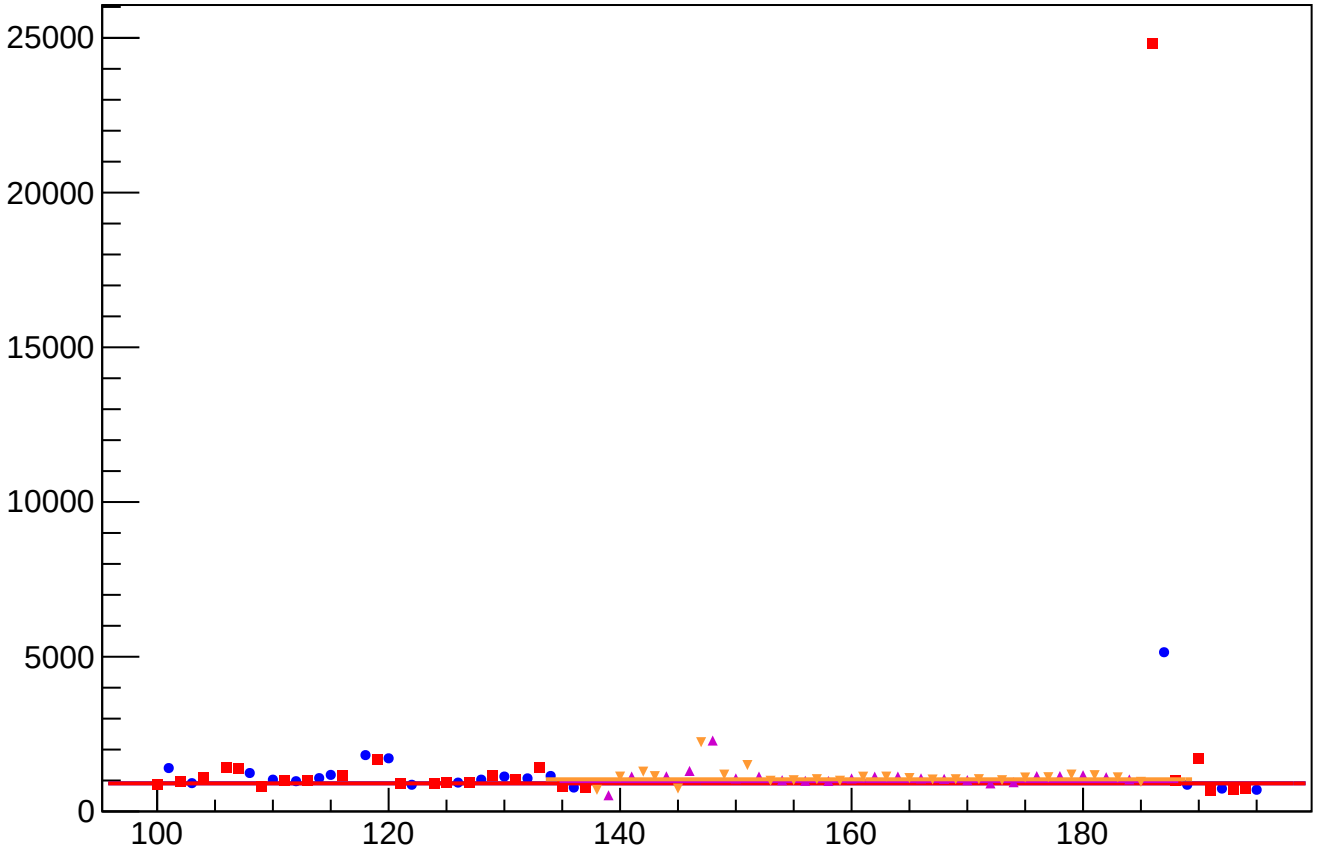
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.183+/-0.191 χ^2/NDF: 30.9/44

All: -0.059+/-0.133 χ^2/NDF: 77.7/92

- sign 0.058+/-0.185 χ^2/NDF: 46.1/47

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: 907.265+/-0.207 χ^2/NDF: 1792334.5/24

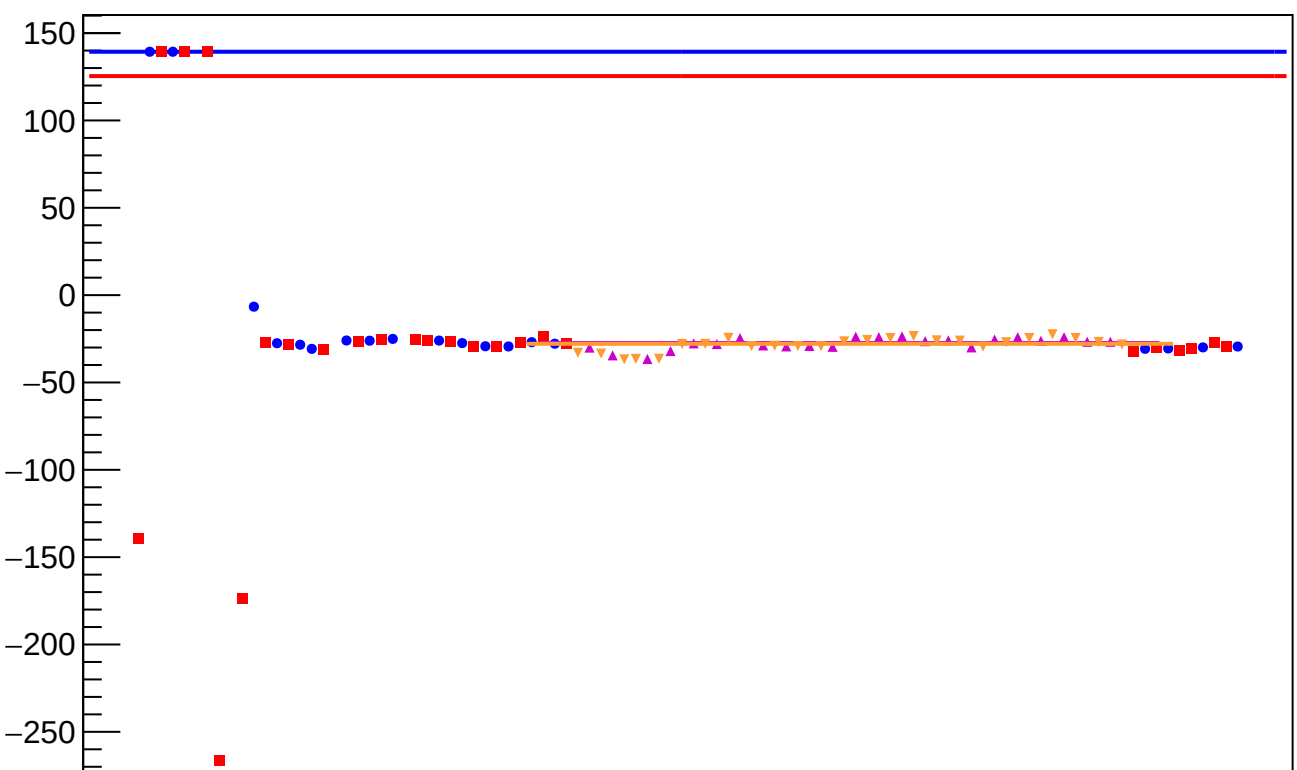
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 989.464+/-0.135 χ^2/NDF: 2886350.4/44

All: 970.160+/-0.094 χ^2/NDF: 7021134.4/92

- sign 951.924+/-0.131 χ^2/NDF: 4094881.3/47

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 50765272699.9/19

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774178382307243.5/24

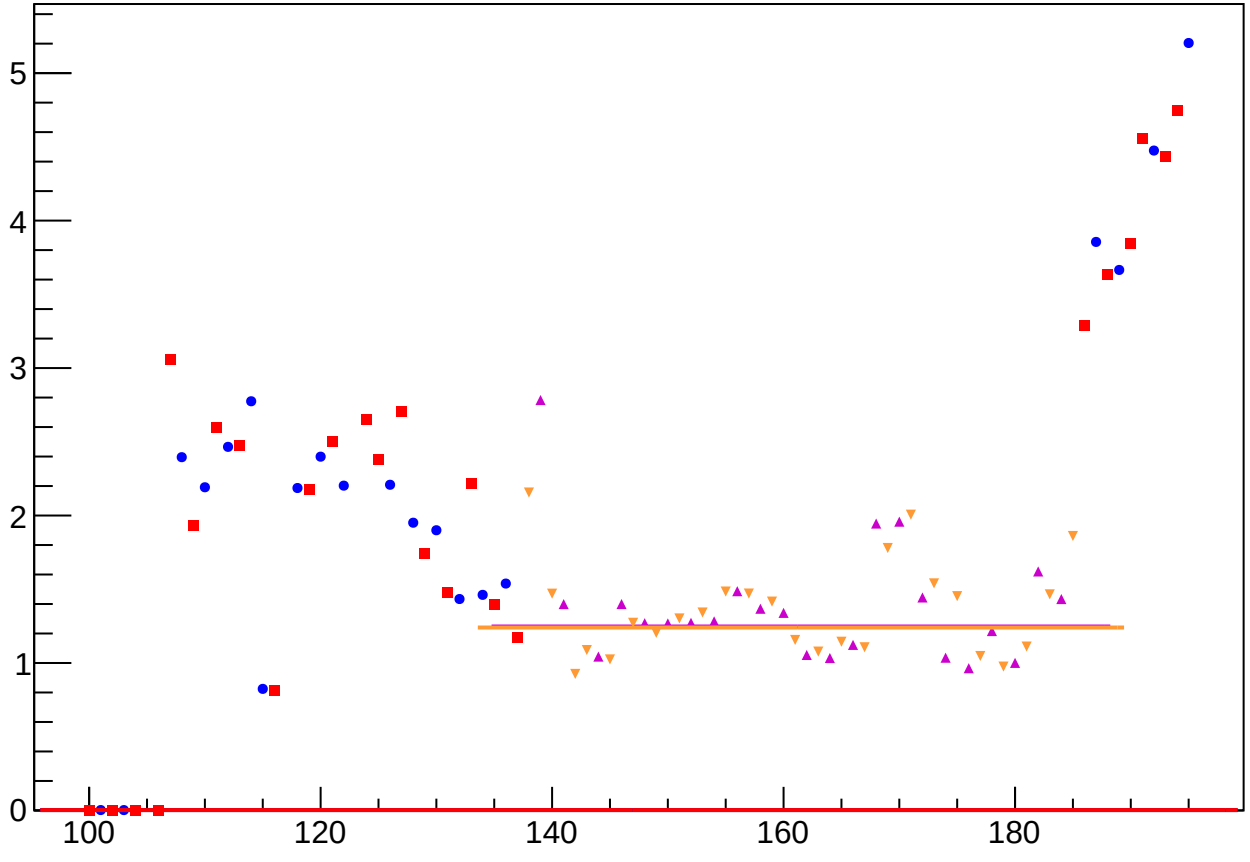
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 325308715580.3/4

All: 131.810+/-0.000 χ^2/NDF: 79349647760

- sign 125.385+/-0.000 χ^2/NDF: 774392035517631

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 14521825.7/19

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

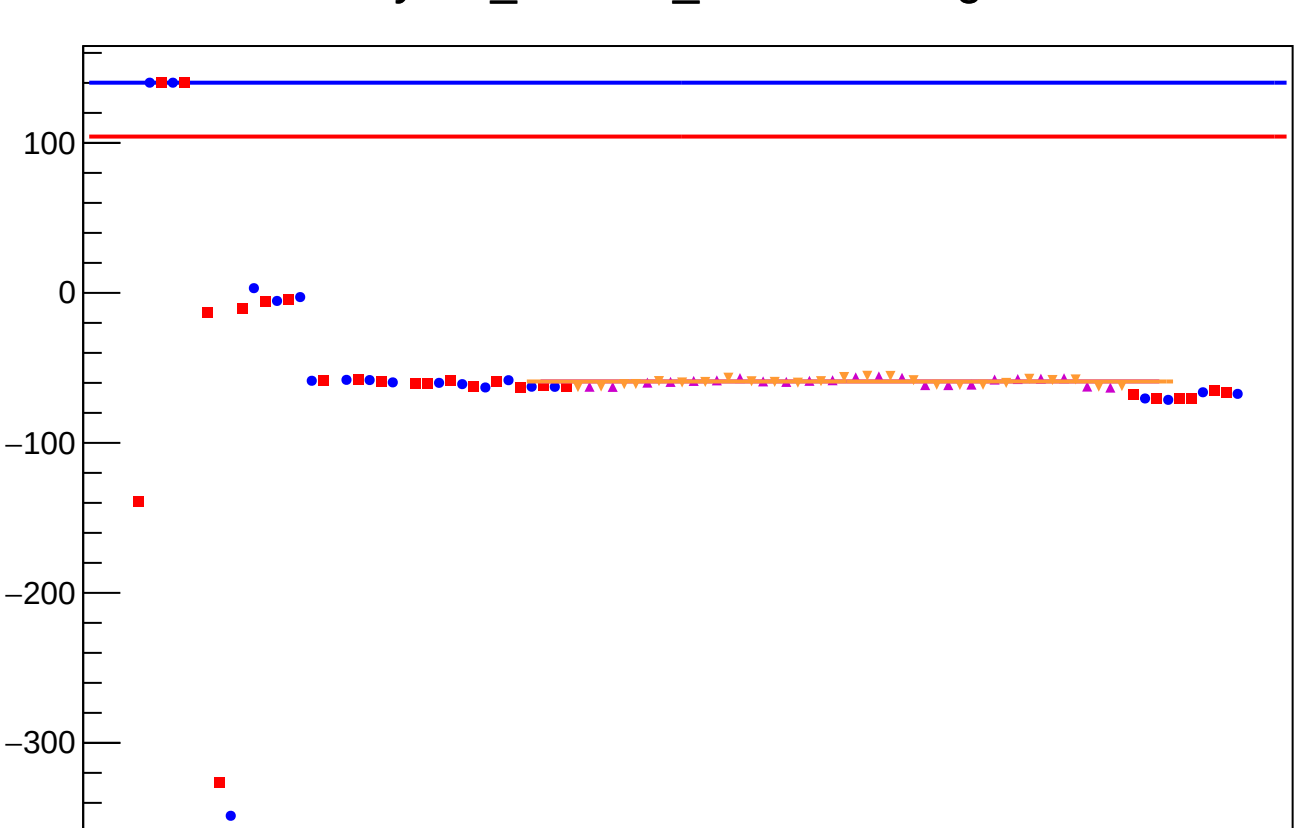
Right Out: 0.003+/-0.000 χ^2/NDF: 16808537.7/24

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: 92396418.3/92

- sign 0.003+/-0.000 χ^2/NDF: 46575726.4/47



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: 104.222+/-0.000 χ^2/NDF: 1257470042405177.0/24

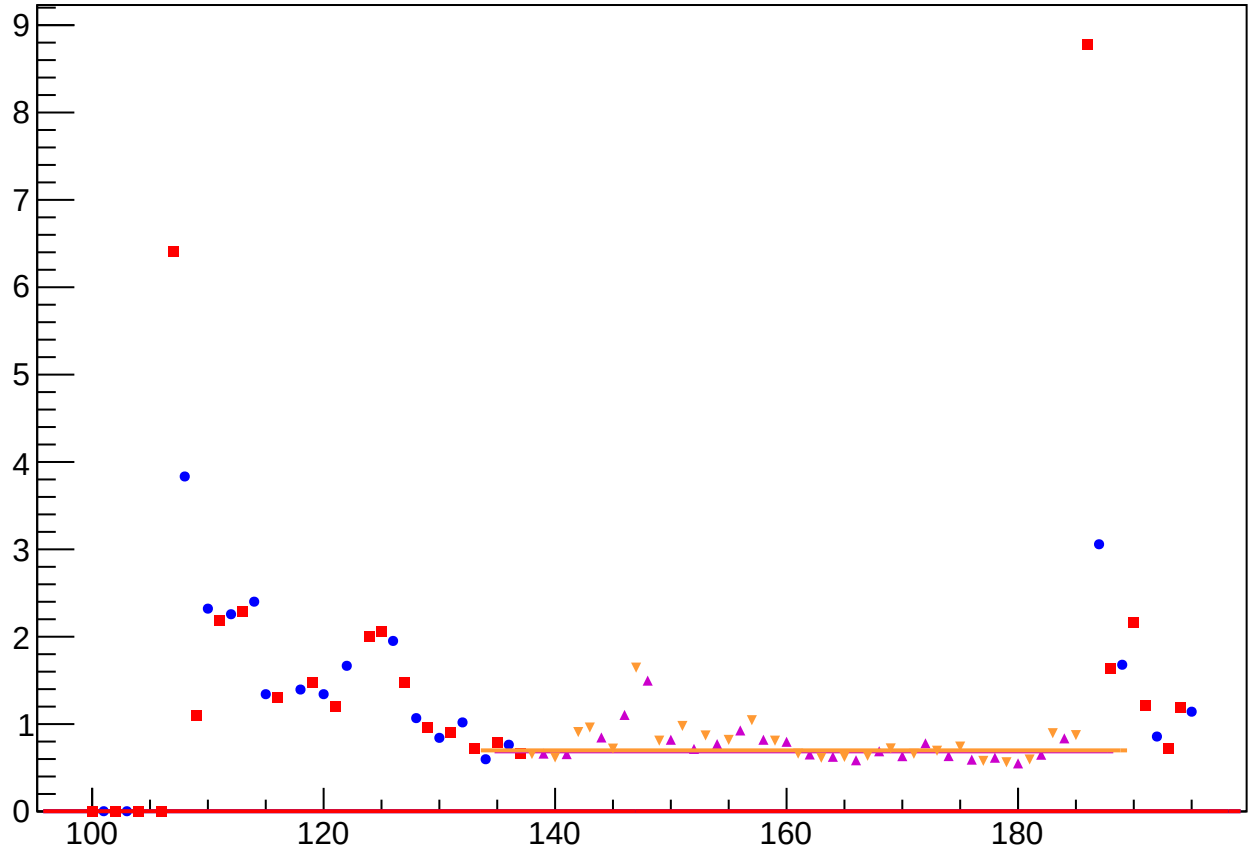
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.105+/-0.000 χ^2/NDF: 1556667414900.1

All: 120.799+/-0.000 χ^2/NDF: 13831351450

- sign 104.197+/-0.000 χ^2/NDF: 125832708714008

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

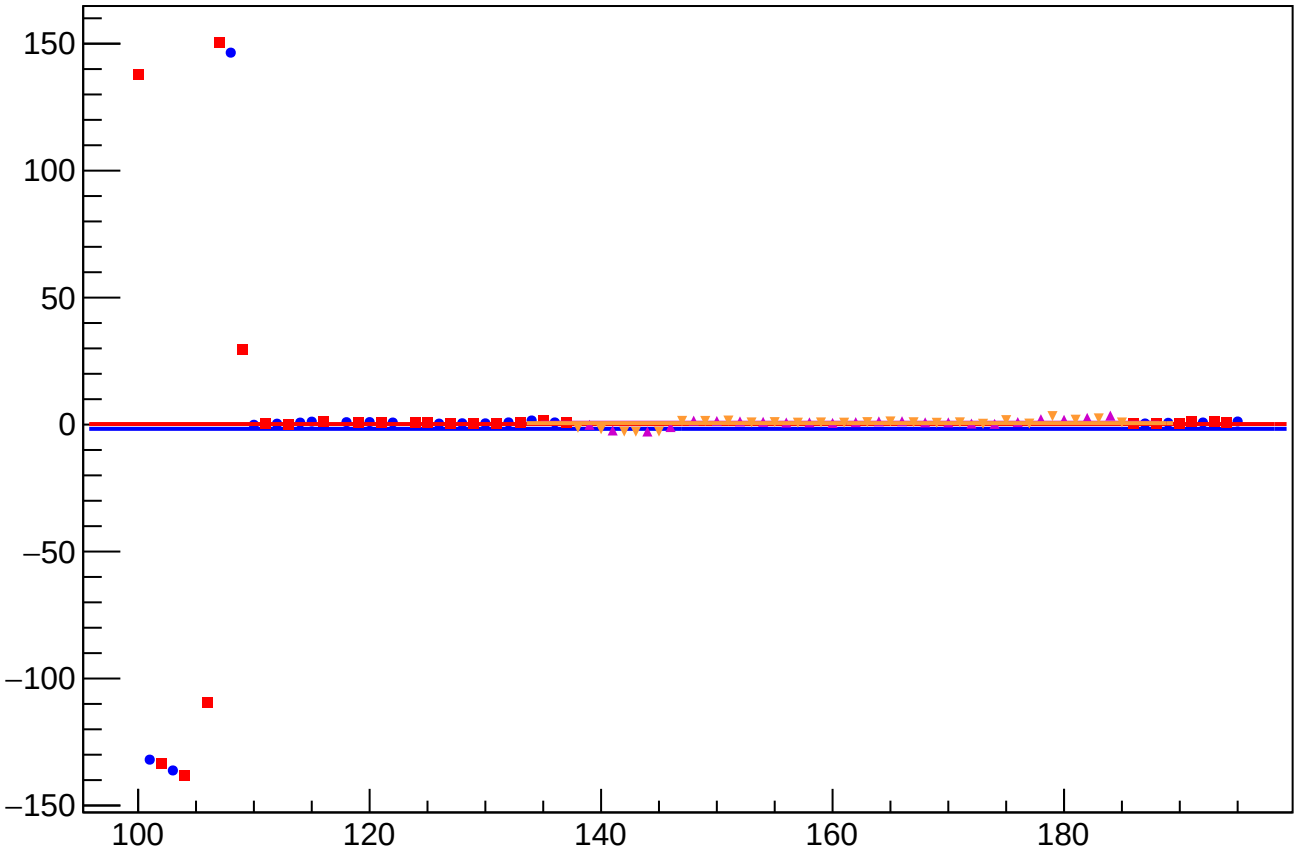
Right Out: 0.003+/-0.000 χ^2/NDF: 16587603.9/24

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: 95594528.8/92

- sign 0.003+/-0.000 χ^2/NDF: 47897136.1/47



Right In: -1.676+/-0.000 χ^2/NDF: 9893294952.6/19

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.213+/-0.000 χ^2/NDF: 3611723800.1/24

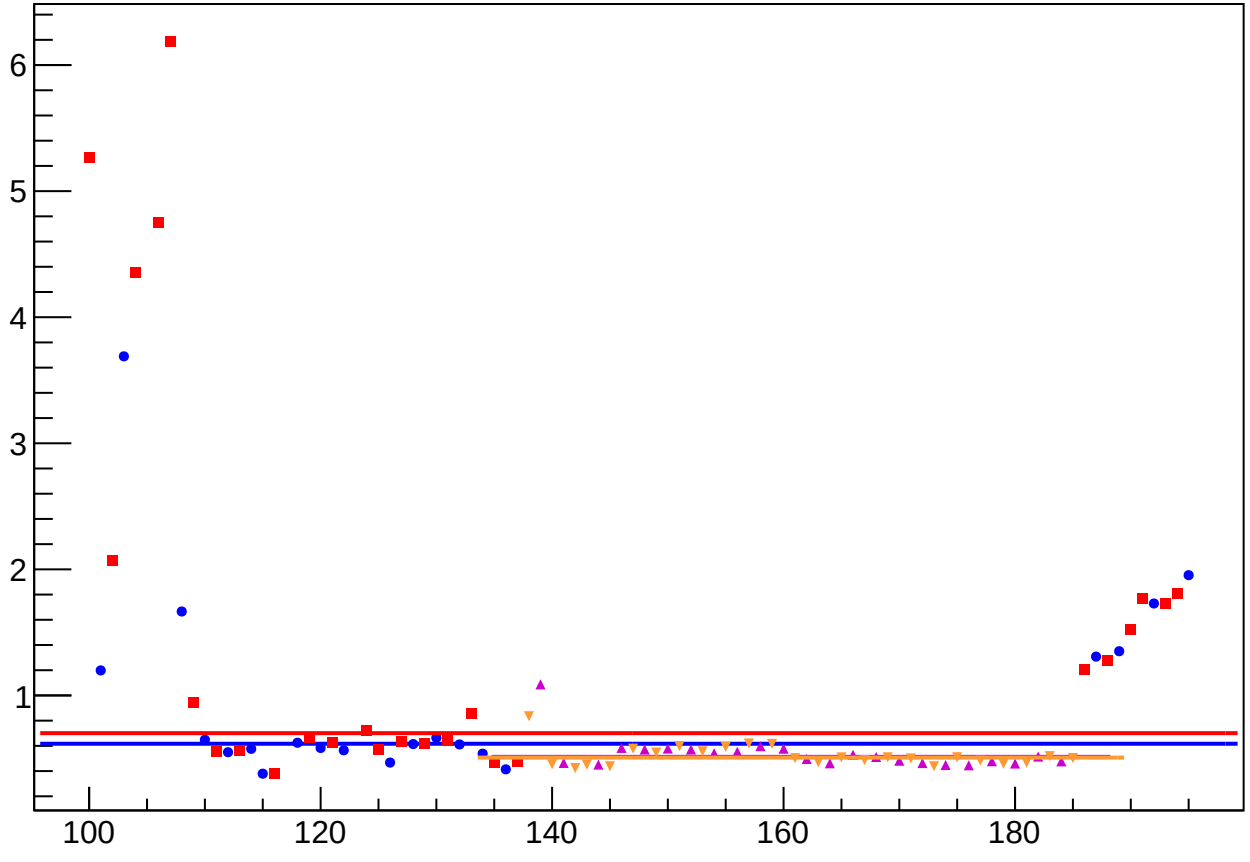
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.082+/-0.000 χ^2/NDF: 10115111257.3/44

All: 0.340+/-0.000 χ^2/NDF: 13846002759.4/9

- sign 0.623+/-0.000 χ^2/NDF: 3720044226.7/47

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: 0.701+/-0.000 χ^2/NDF: 4797429.7/24

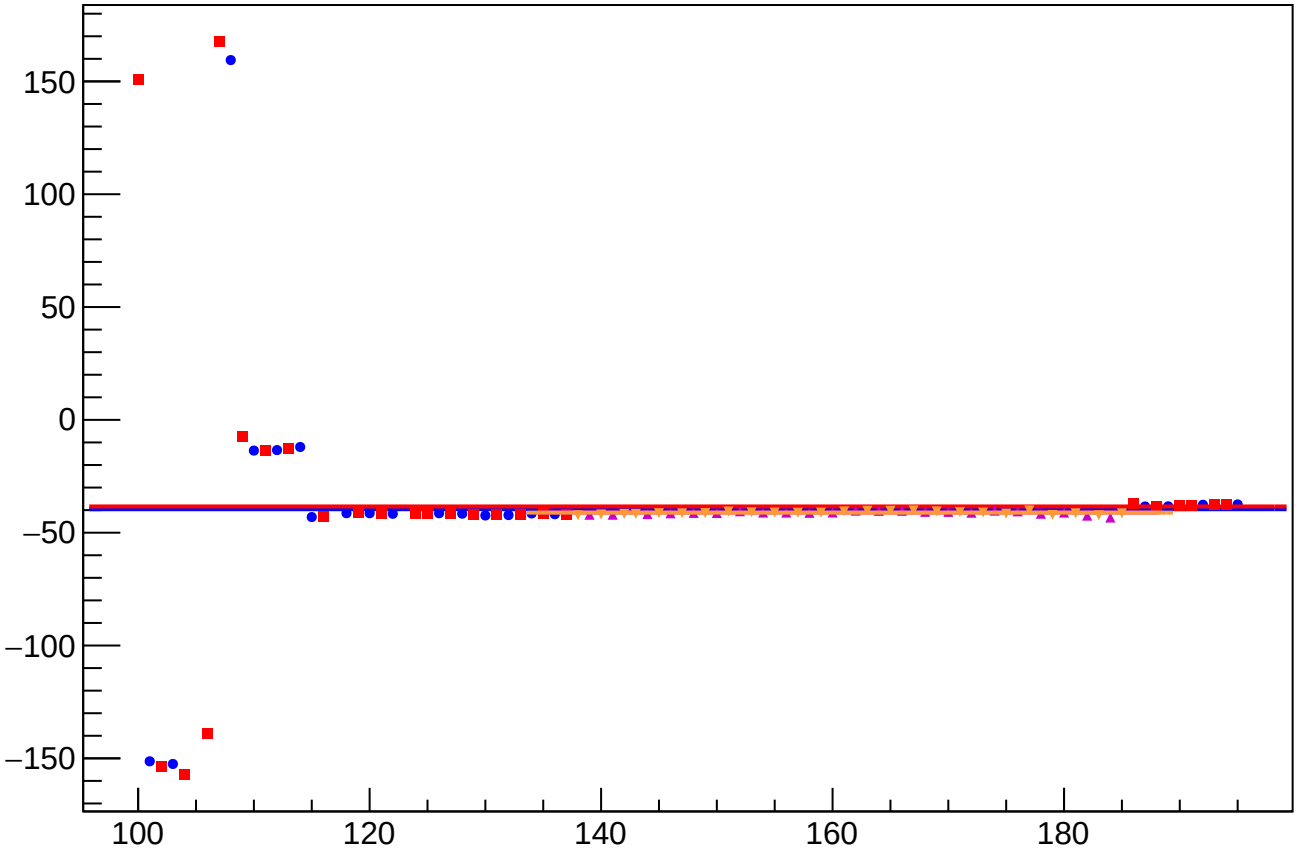
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.531+/-0.000 χ^2/NDF: 4545394.8/44

All: 0.541+/-0.000 χ^2/NDF: 10965289.4/92

- sign 0.552+/-0.000 χ^2/NDF: 6385933.8/47

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: -38.367+/-0.000 χ^2/NDF: 2500884487.3/24

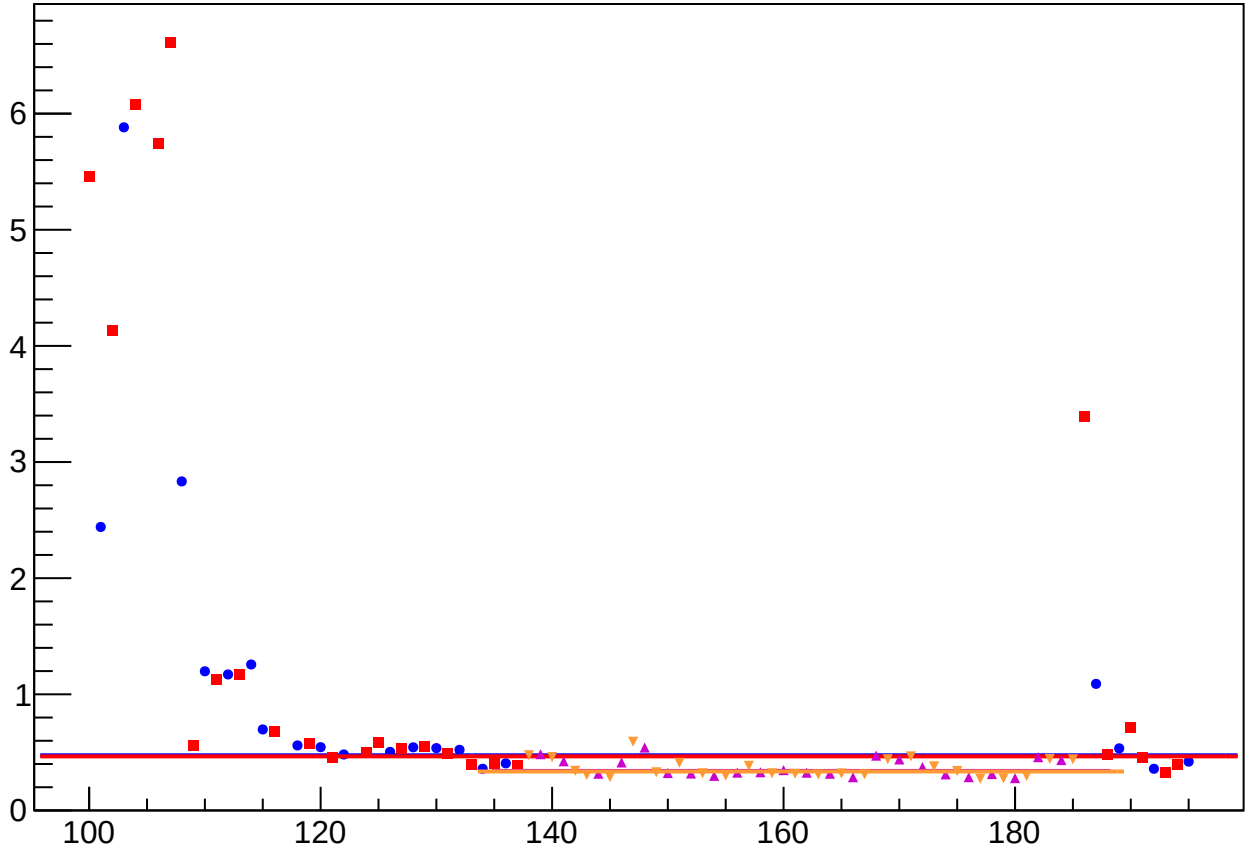
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.841+/-0.000 χ^2/NDF: 3655358258.7/44

All: -40.674+/-0.000 χ^2/NDF: 6422685556.3/

- sign -40.500+/-0.000 χ^2/NDF: 2756621983.1/47

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

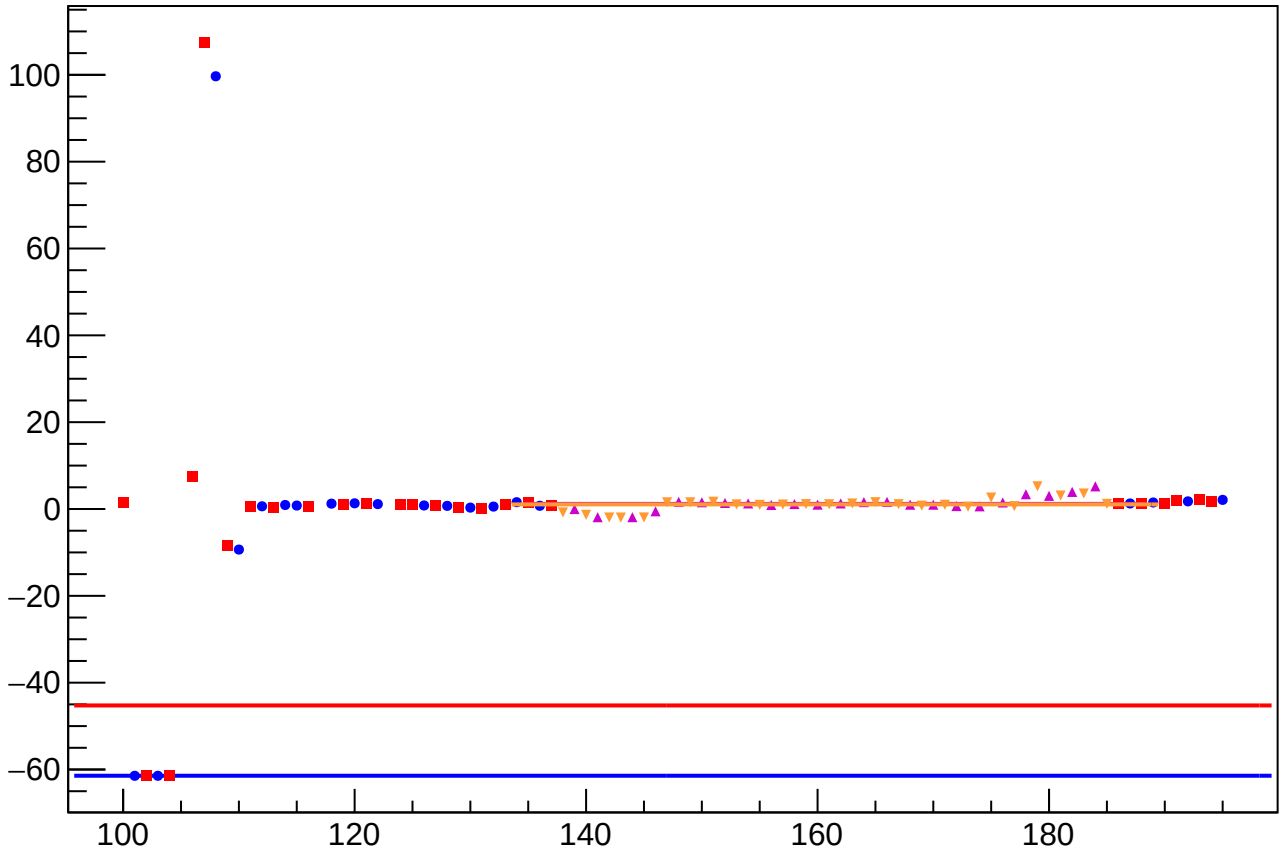
Right Out: 0.466+/-0.000 χ^2/NDF: 4352835.7/24

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.359+/-0.000 χ^2/NDF: 5638288.3/44

All: 0.362+/-0.000 χ^2/NDF: 11970463.2/92

- sign 0.365+/-0.000 χ^2/NDF: 6325334.8/47



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: 357874811477445.5/24

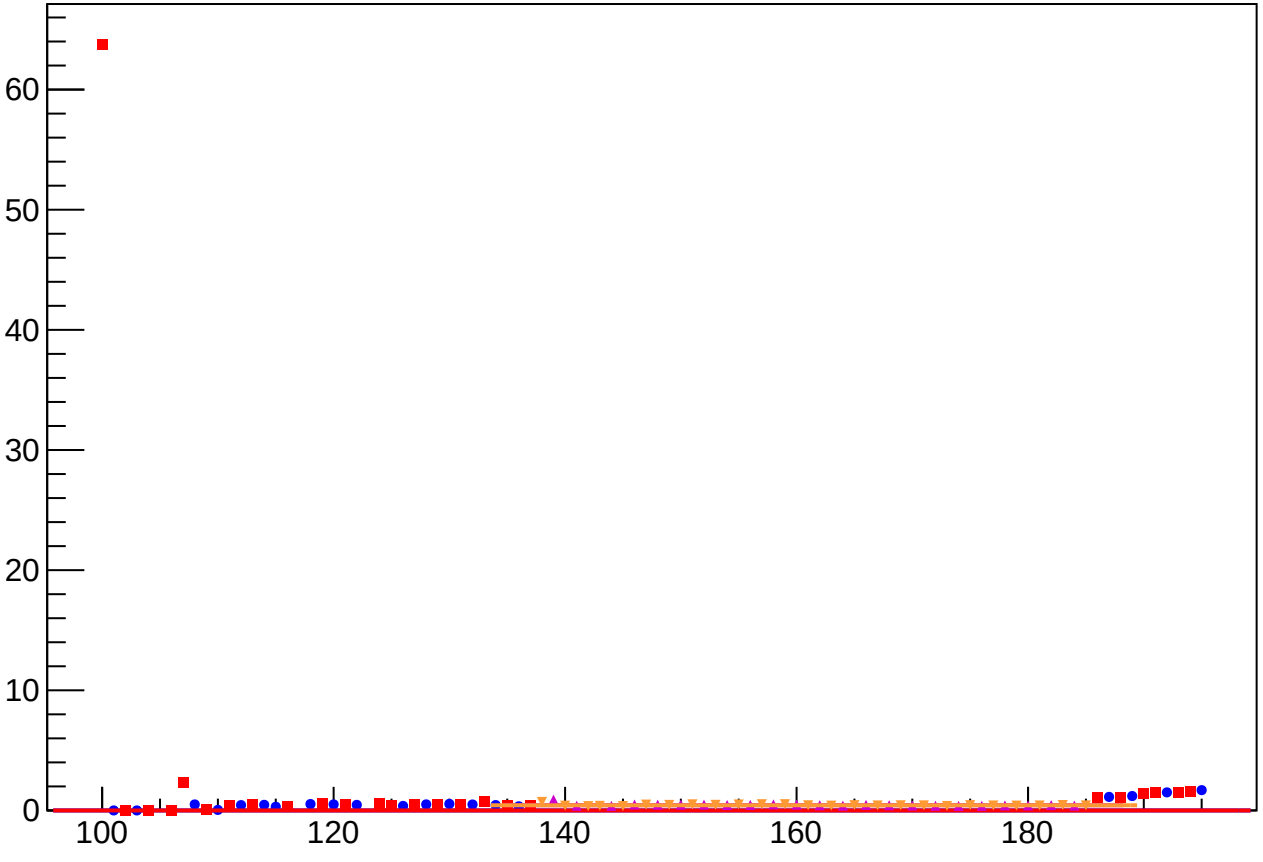
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 608283216003.5/4

All: -52.738+/-0.000 χ^2/NDF: 409600924657

- sign -45.236+/-0.000 χ^2/NDF: 358041376760539.

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

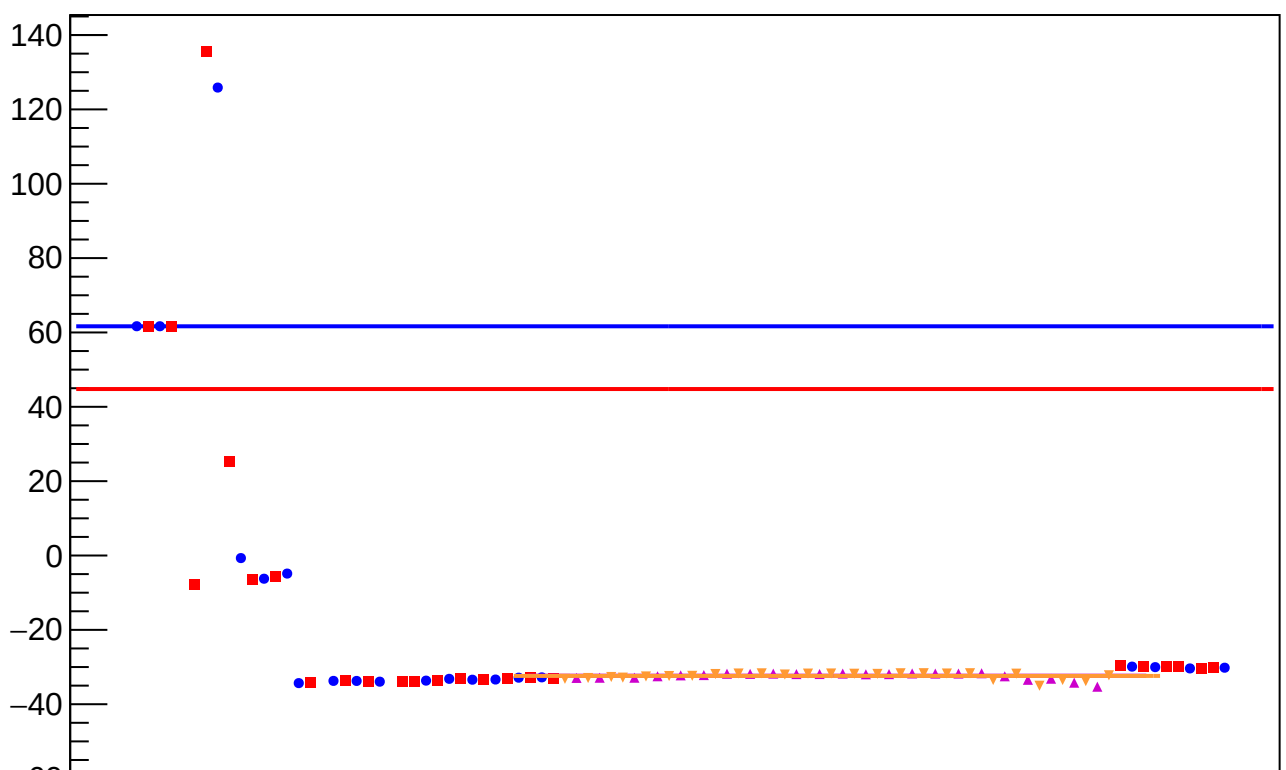
Right Out: 0.001+/-0.000 χ^2/NDF: 16414755.6/24

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: 92403227.9/92

- sign 0.002+/-0.000 χ^2/NDF: 46557240.0/47



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: 44.781+/-0.000 χ^2/NDF: 366236043346627.7/24

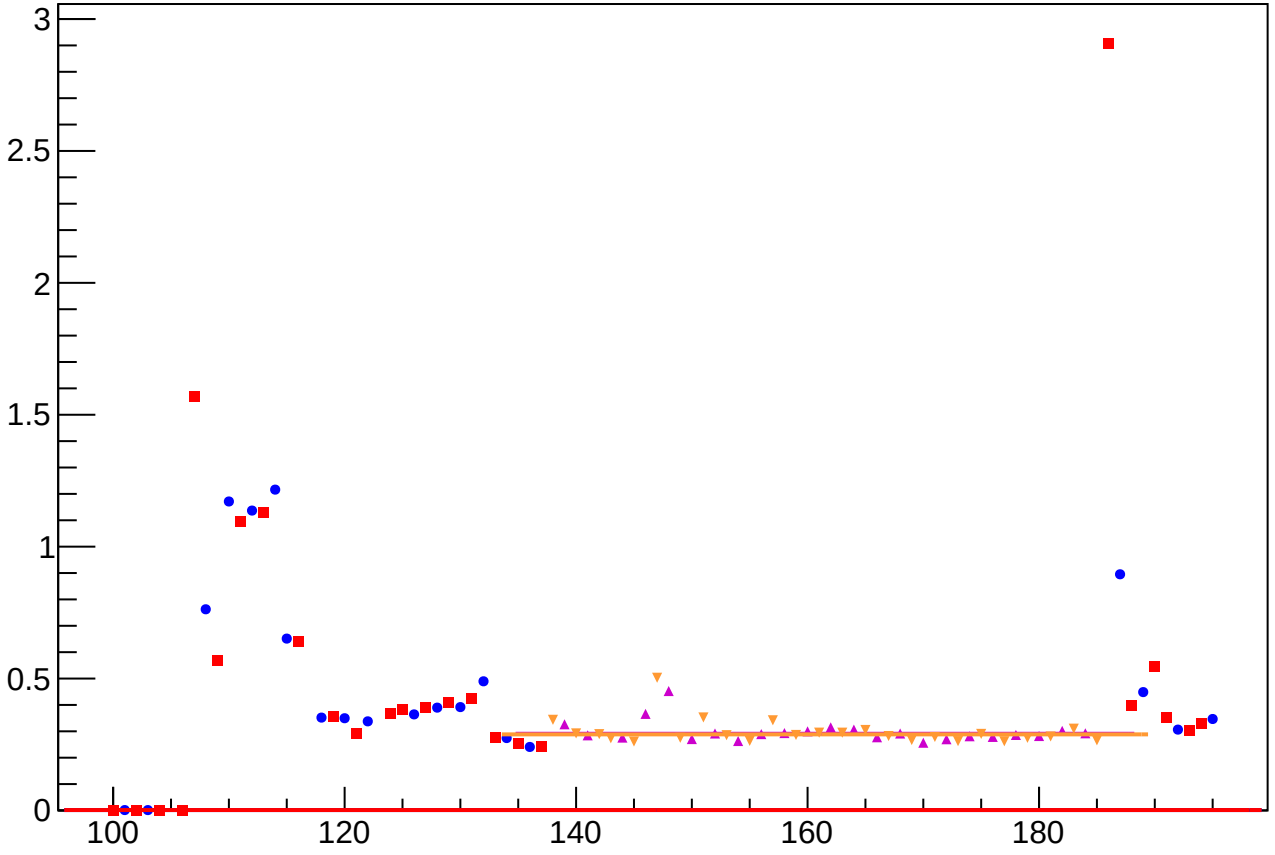
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.595+/-0.000 χ^2/NDF: 2493445698713.5/4

All: 52.633+/-0.000 χ^2/NDF: 420970290202

- sign 44.739+/-0.000 χ^2/NDF: 367463703016780.7

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: 17494845.3/24

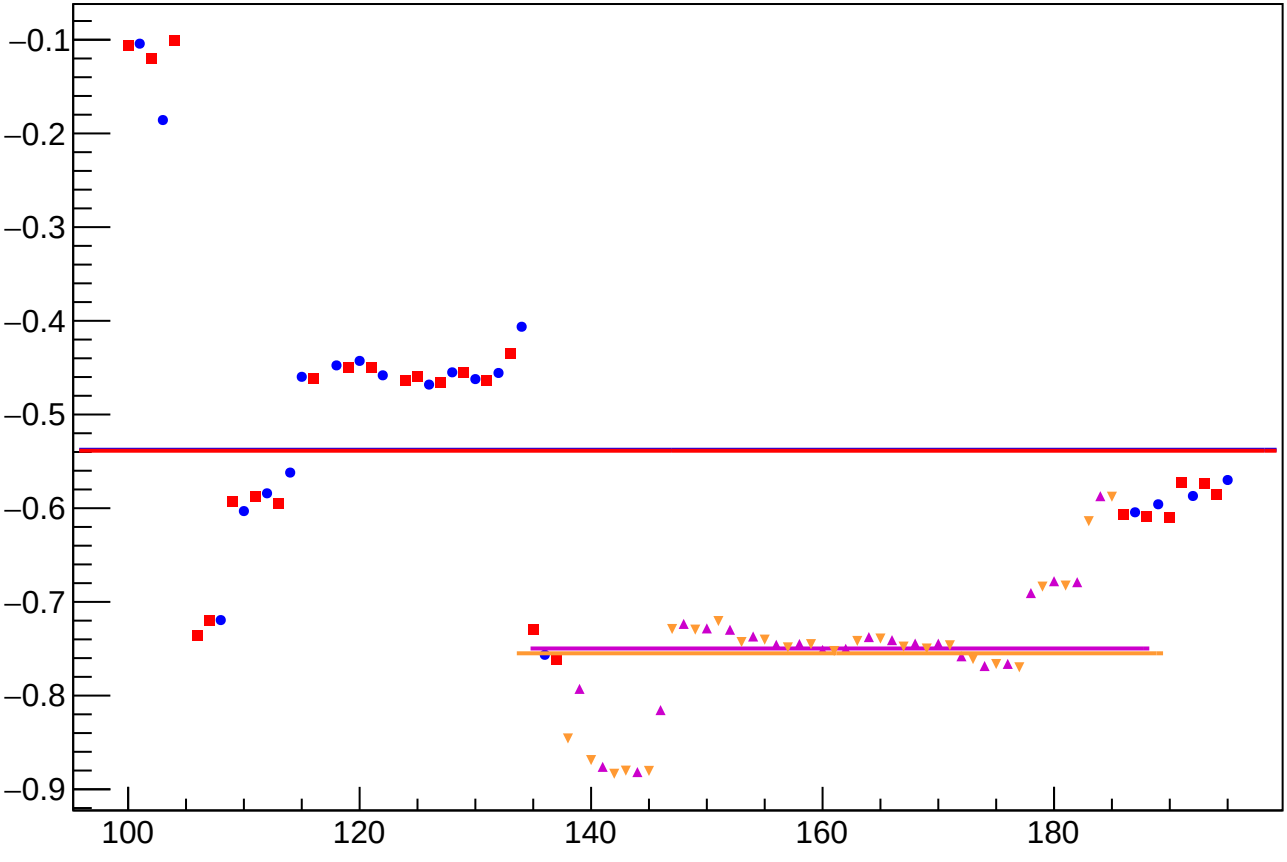
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 52836752.5/44

All: 0.002+/-0.000 χ^2/NDF: 105234518.8/92

- sign 0.002+/-0.000 χ^2/NDF: 52397727.0/47

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: 218468152.3/24

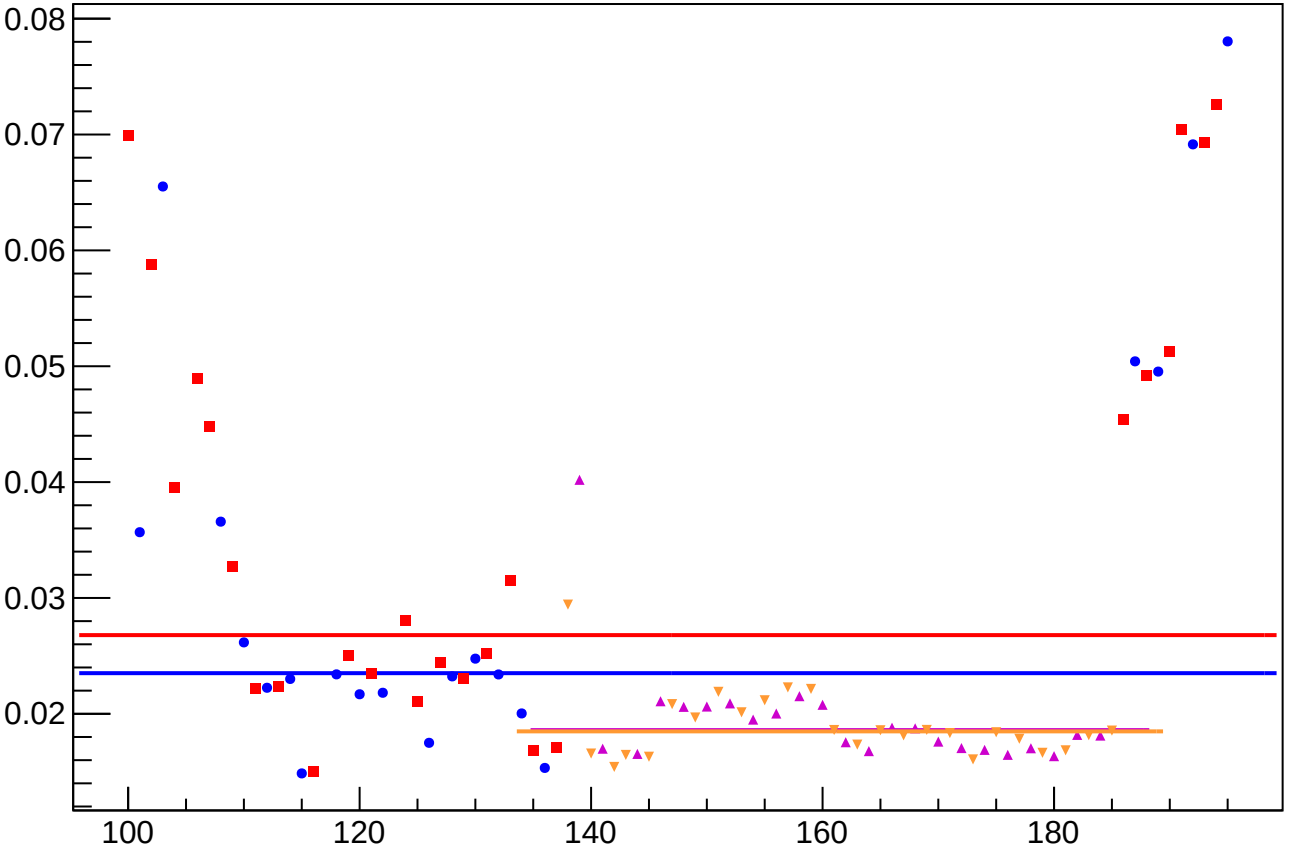
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 970673008.3/44

All: -0.708+/-0.000 χ^2/NDF: 1721103535.1/9

- sign -0.706+/-0.000 χ^2/NDF: 750197159.1/47

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: 3619842.9/24

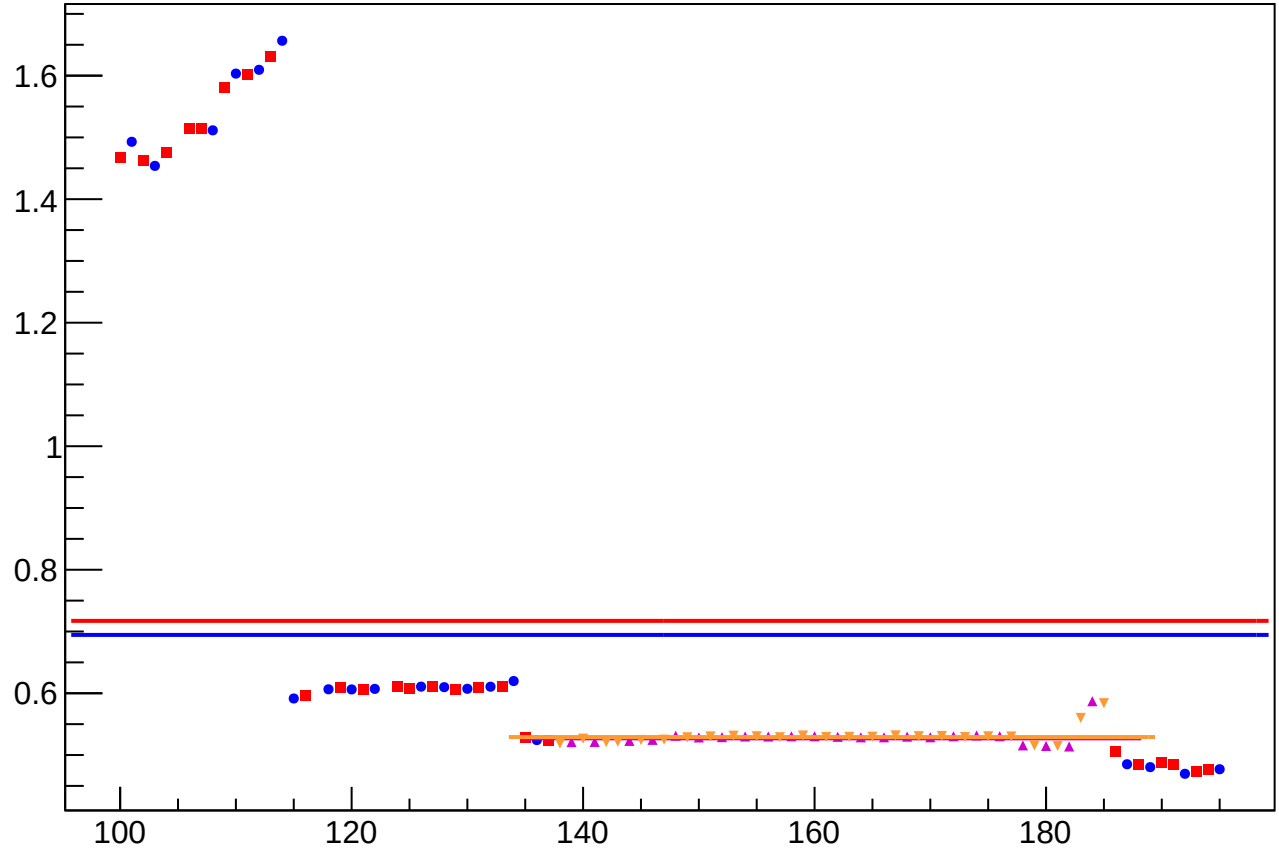
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 4250082.3/44

All: 0.020+/-0.000 χ^2/NDF: 9819240.8/92

- sign 0.020+/-0.000 χ^2/NDF: 5538489.5/47

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: 0.717+/-0.000 χ^2/NDF: 5680682461.7/24

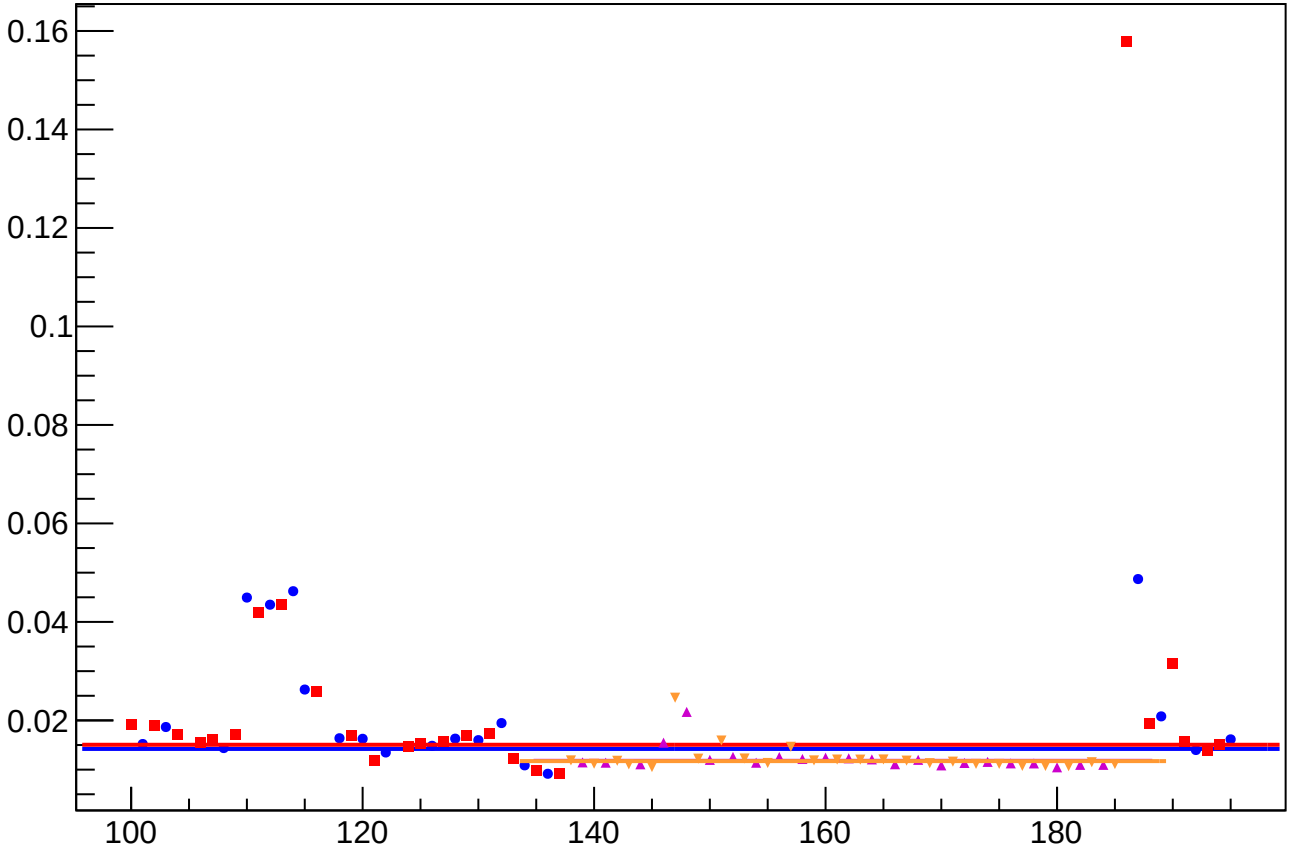
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.567+/-0.000 χ^2/NDF: 5752911665.1/44

All: 0.570+/-0.000 χ^2/NDF: 12566238793.6/9

- sign 0.573+/-0.000 χ^2/NDF: 6810291634.1/47

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: 2363202.5/24

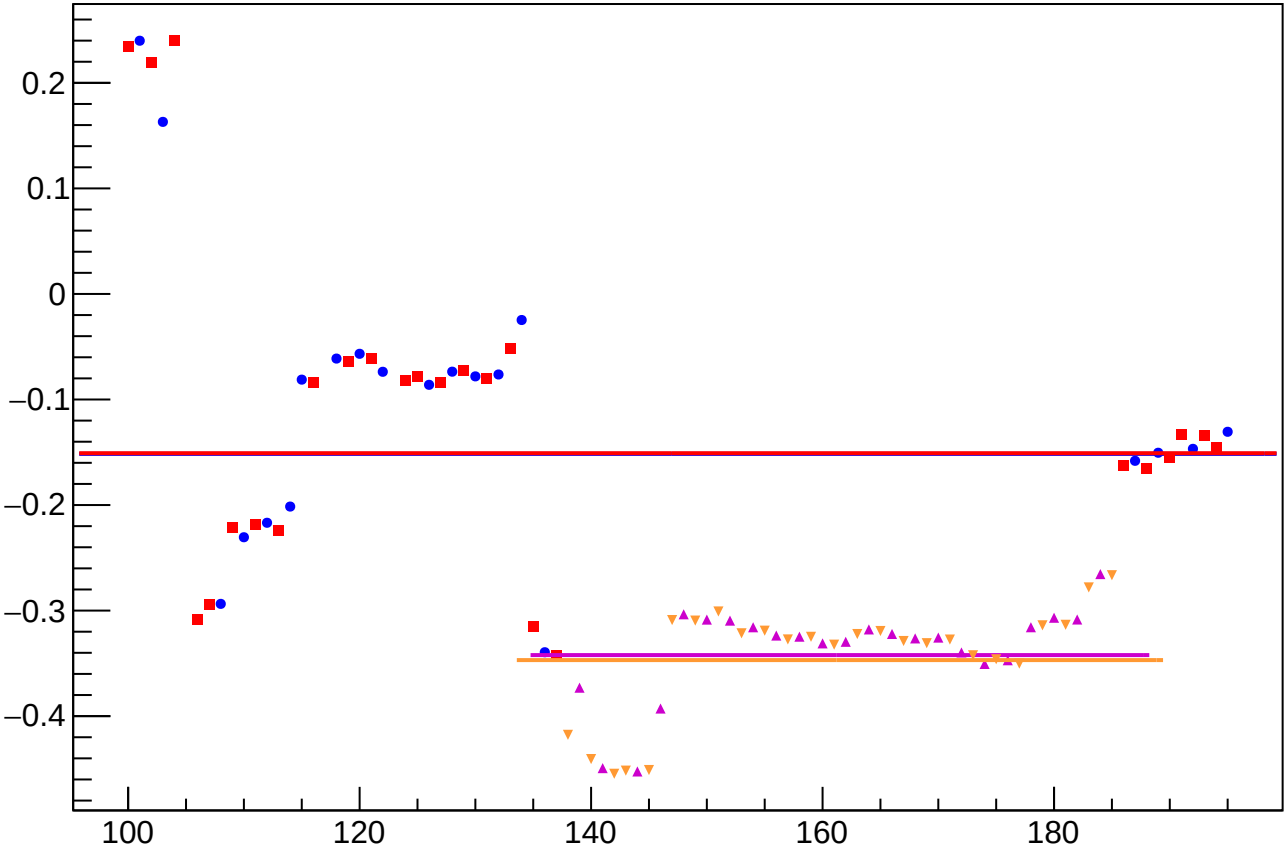
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3040087.6/44

All: 0.012+/-0.000 χ^2/NDF: 6593371.0/92

- sign 0.013+/-0.000 χ^2/NDF: 3539972.4/47

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: 199580726.6/24

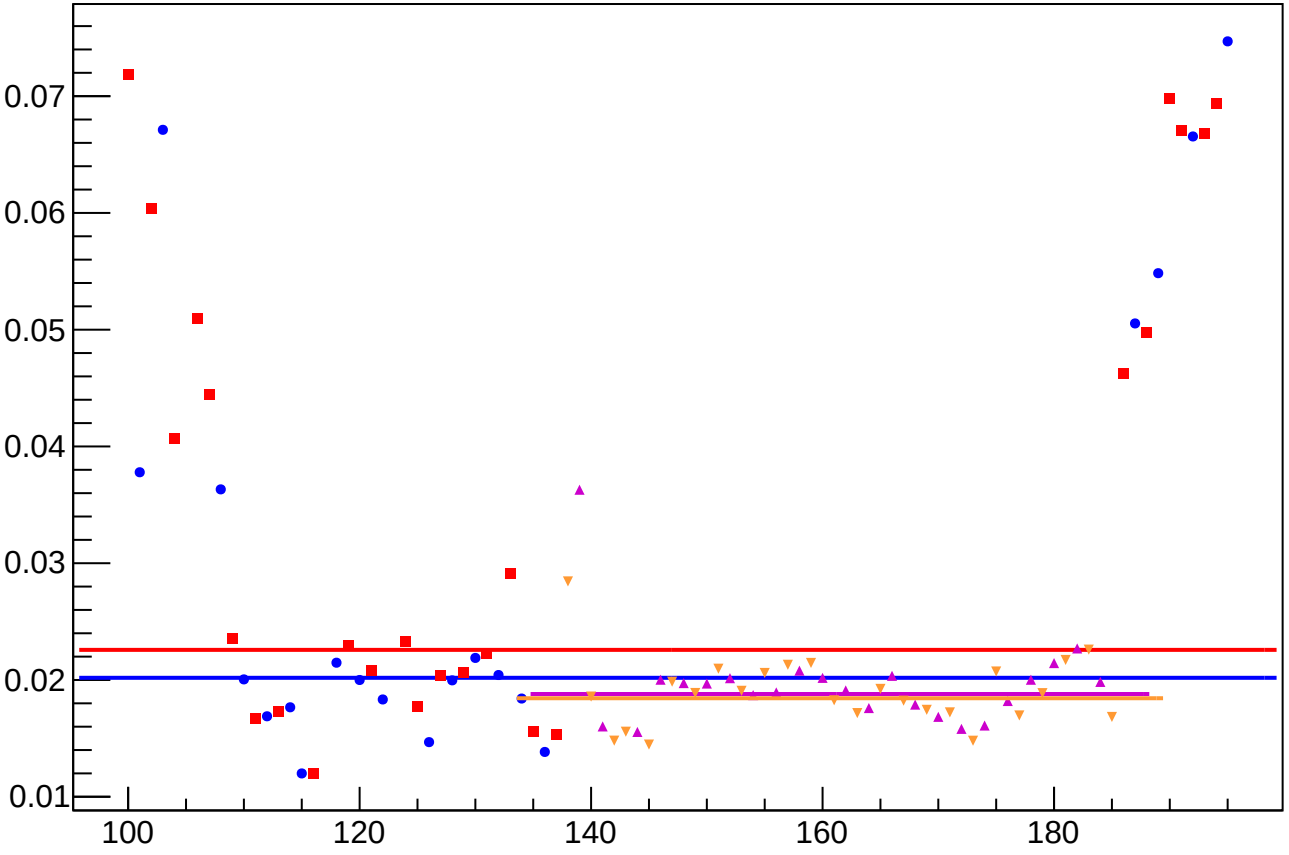
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 857802357.8/44

All: -0.295+/-0.000 χ^2/NDF: 1546386698.7/9

- sign -0.293+/-0.000 χ^2/NDF: 688080431.9/47

yield_bpm4eX_rms vs Slug



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: 4501923.3/24

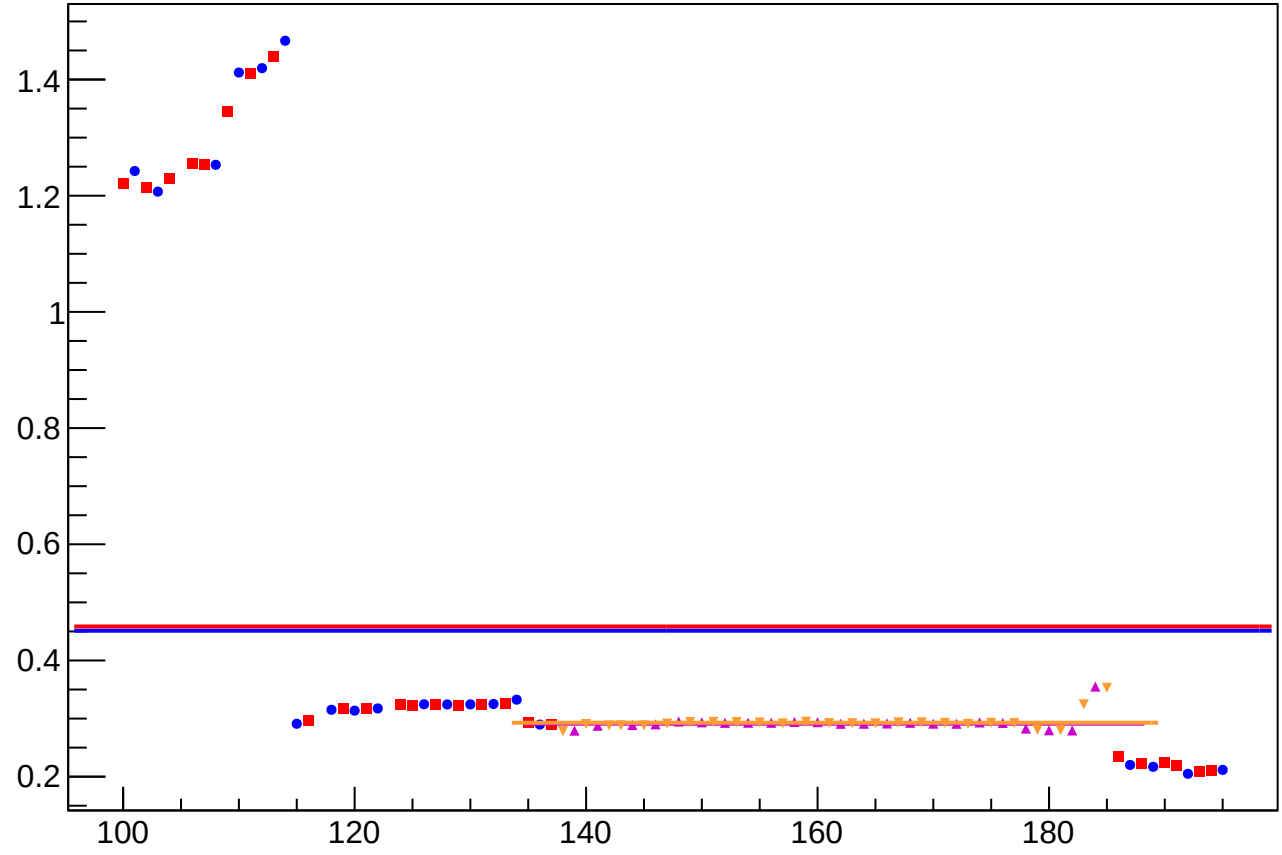
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 4516785.7/44

All: 0.019+/-0.000 χ^2/NDF: 10097461.1/92

- sign 0.020+/-0.000 χ^2/NDF: 5533393.1/47

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: 0.459+/-0.000 χ^2/NDF: 8068425190.5/24

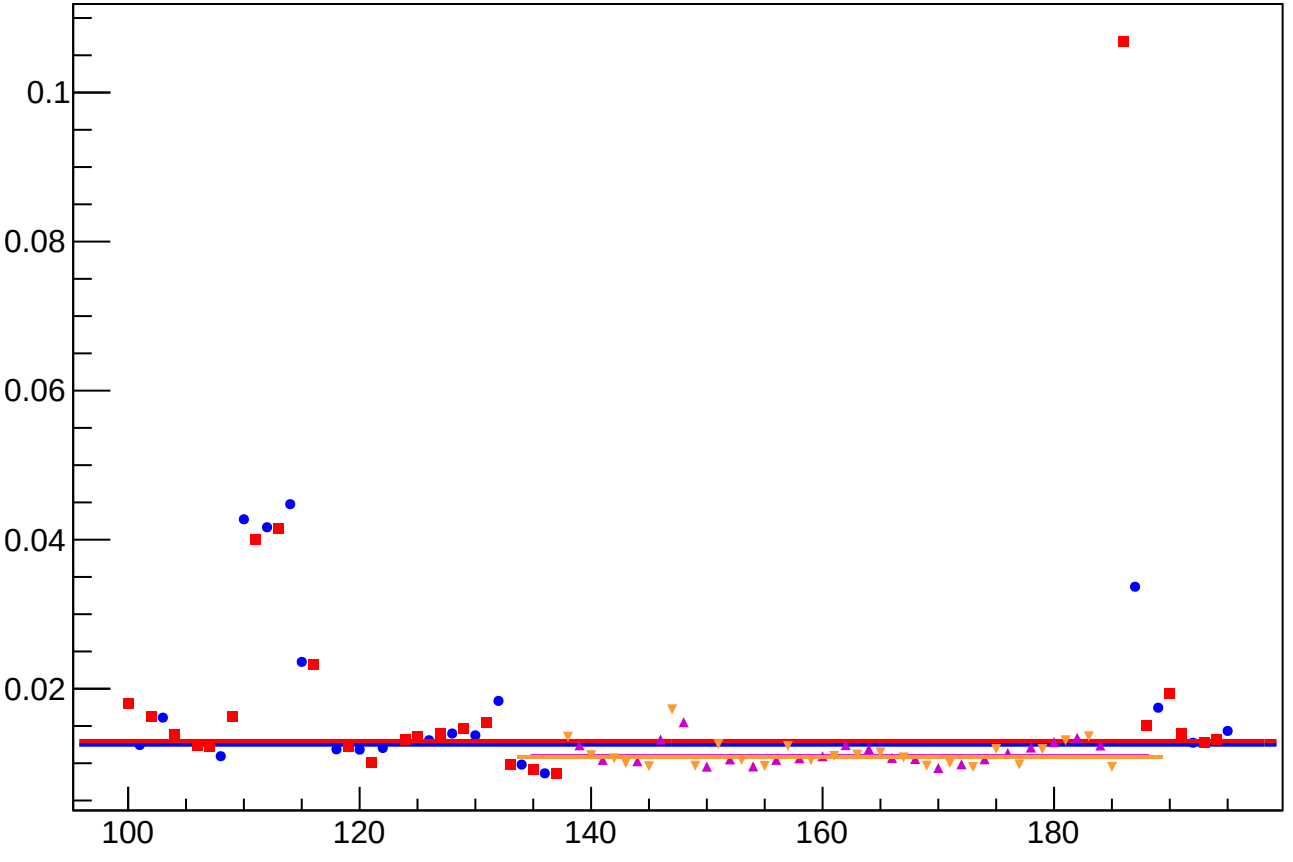
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.333+/-0.000 χ^2/NDF: 8205970807.5/44

All: 0.335+/-0.000 χ^2/NDF: 17400076448.9/9

- sign 0.337+/-0.000 χ^2/NDF: 9192409075.2/47

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: 2149091.0/24

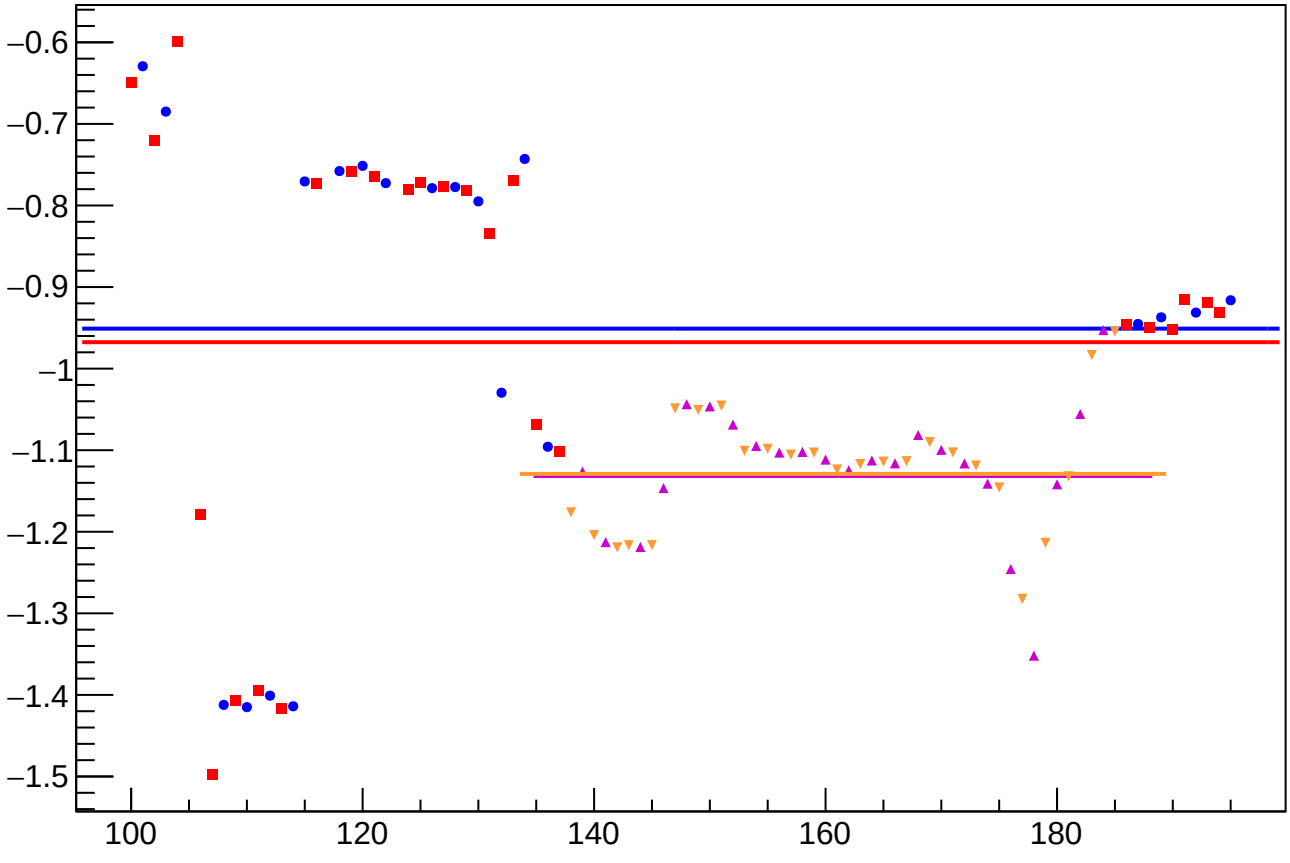
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2632030.3/44

All: 0.011+/-0.000 χ^2/NDF: 5637240.2/92

- sign 0.012+/-0.000 χ^2/NDF: 2992108.6/47

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: -0.968+/-0.000 χ^2/NDF: 715645243.6/24

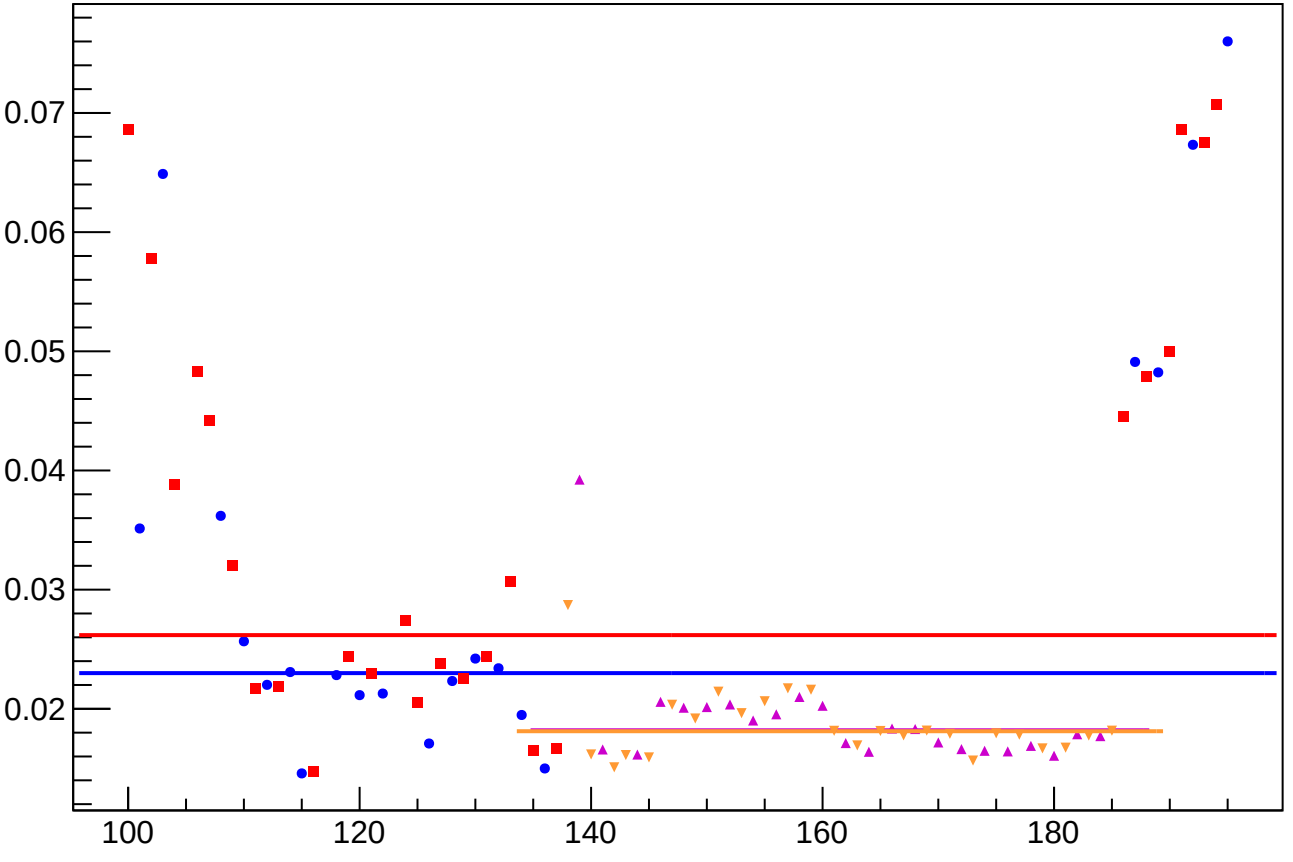
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1257538730.8/44

All: -1.094+/-0.000 χ^2/NDF: 2481156659.9/9

- sign -1.098+/-0.000 χ^2/NDF: 1222439191.7/47

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: 0.026+/-0.000 χ^2/NDF: 3615067.8/24

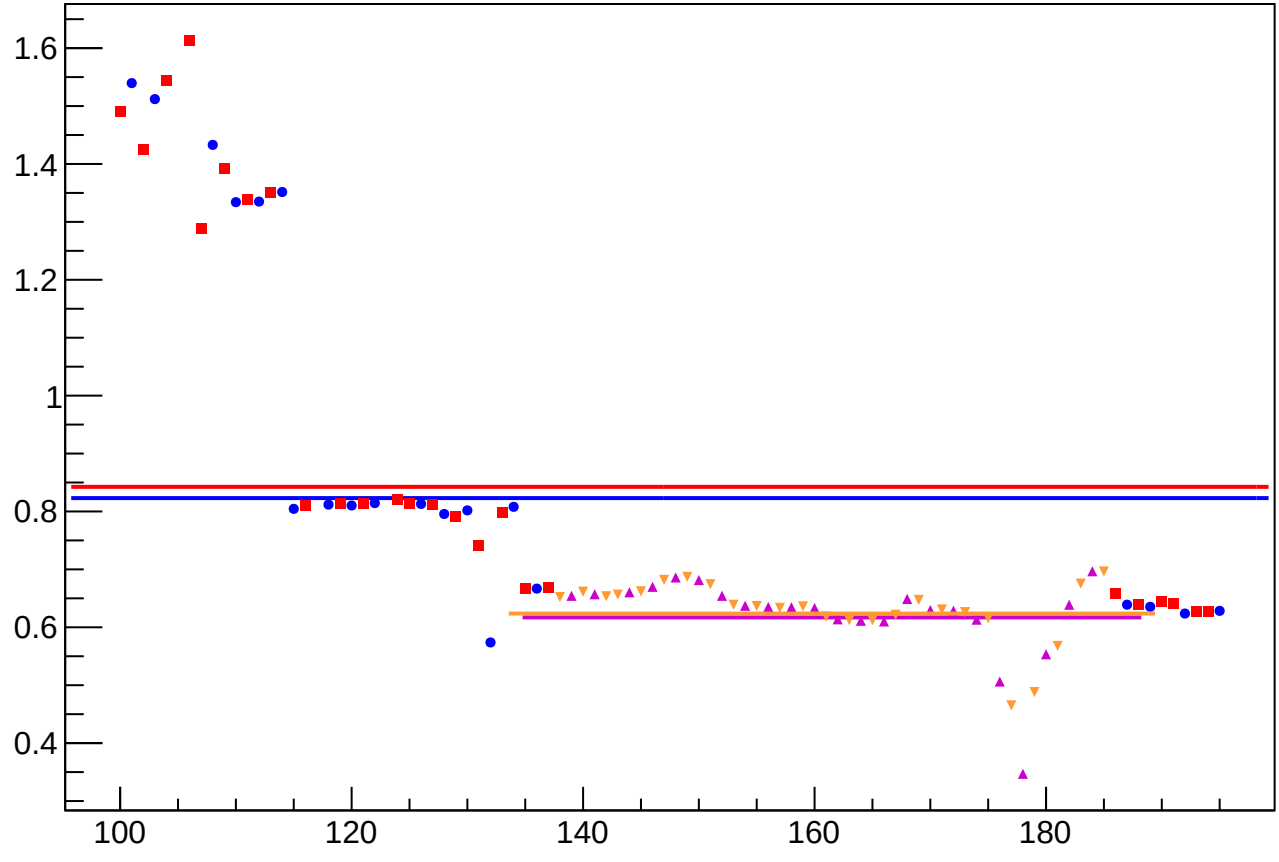
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 4227517.3/44

All: 0.019+/-0.000 χ^2/NDF: 9763562.5/92

- sign 0.020+/-0.000 χ^2/NDF: 5507754.0/47

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: 0.843+/-0.000 χ^2/NDF: 3486429711.9/24

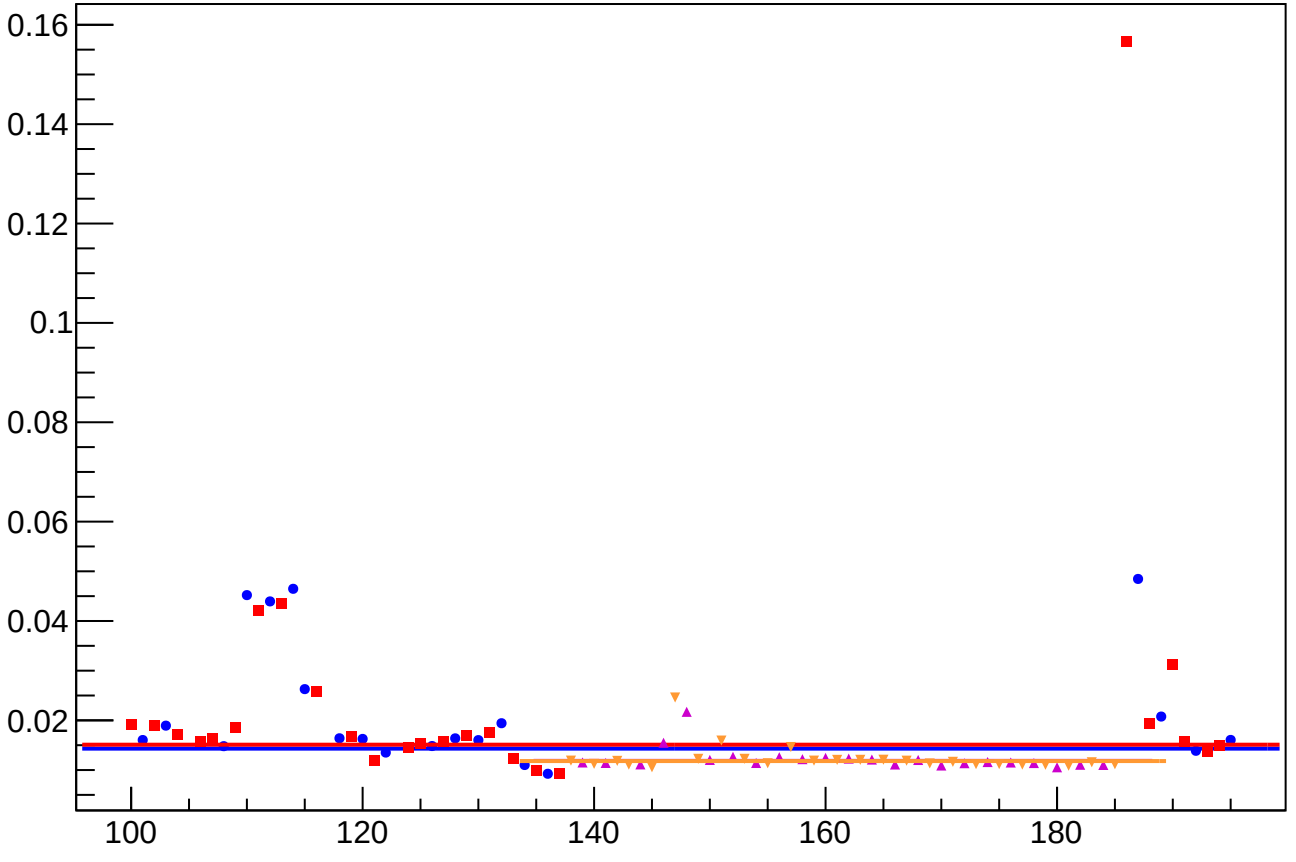
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.670+/-0.000 χ^2/NDF: 4872637922.6/44

All: 0.671+/-0.000 χ^2/NDF: 10559151488.3/9

- sign 0.672+/-0.000 χ^2/NDF: 5686105022.1/47

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: 2365476.6/24

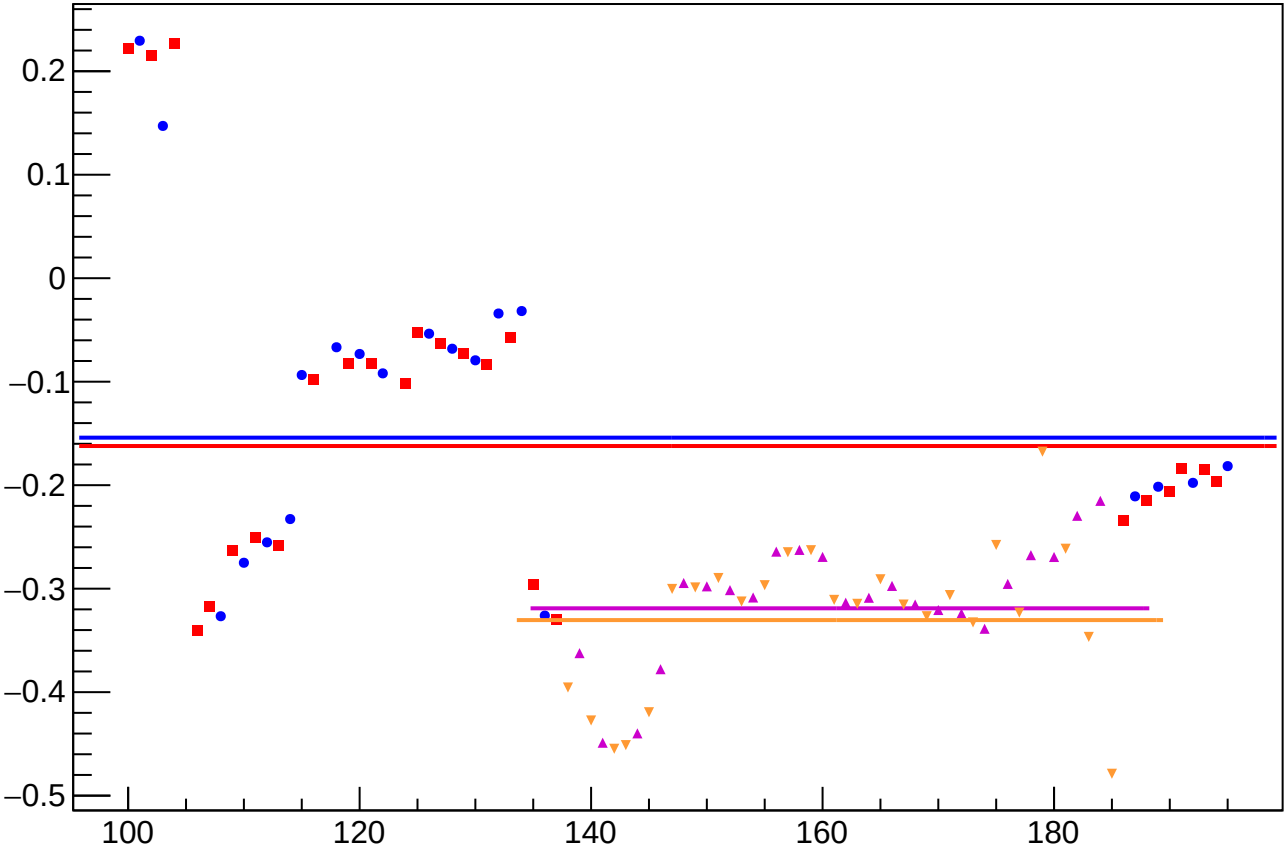
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3002958.6/44

All: 0.013+/-0.000 χ^2/NDF: 6536322.1/92

- sign 0.013+/-0.000 χ^2/NDF: 3522509.9/47

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: 198127328.4/24

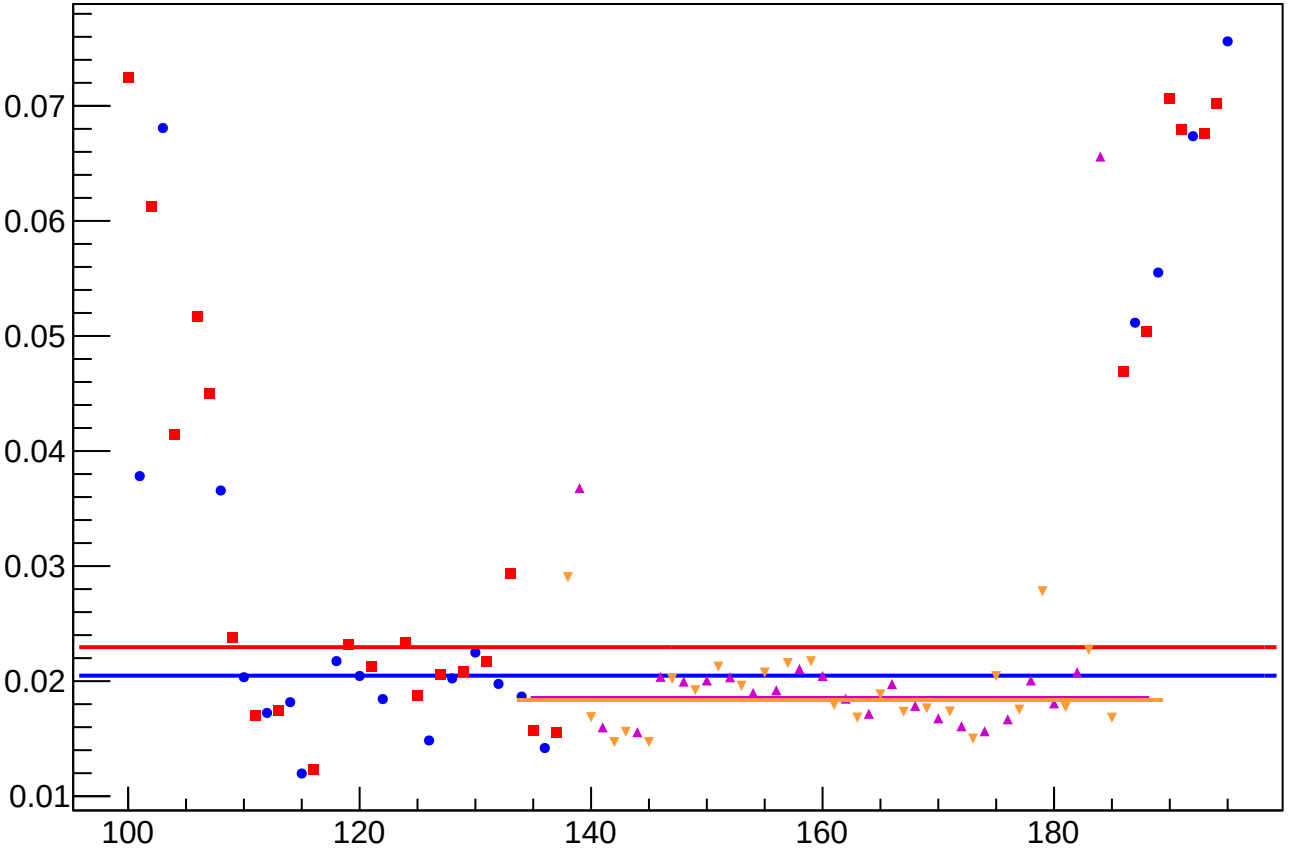
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 819122476.4/44

All: -0.283+/-0.000 χ^2/NDF: 1411470244.4/9

- sign -0.279+/-0.000 χ^2/NDF: 591277938.0/47

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: 4471209.5/24

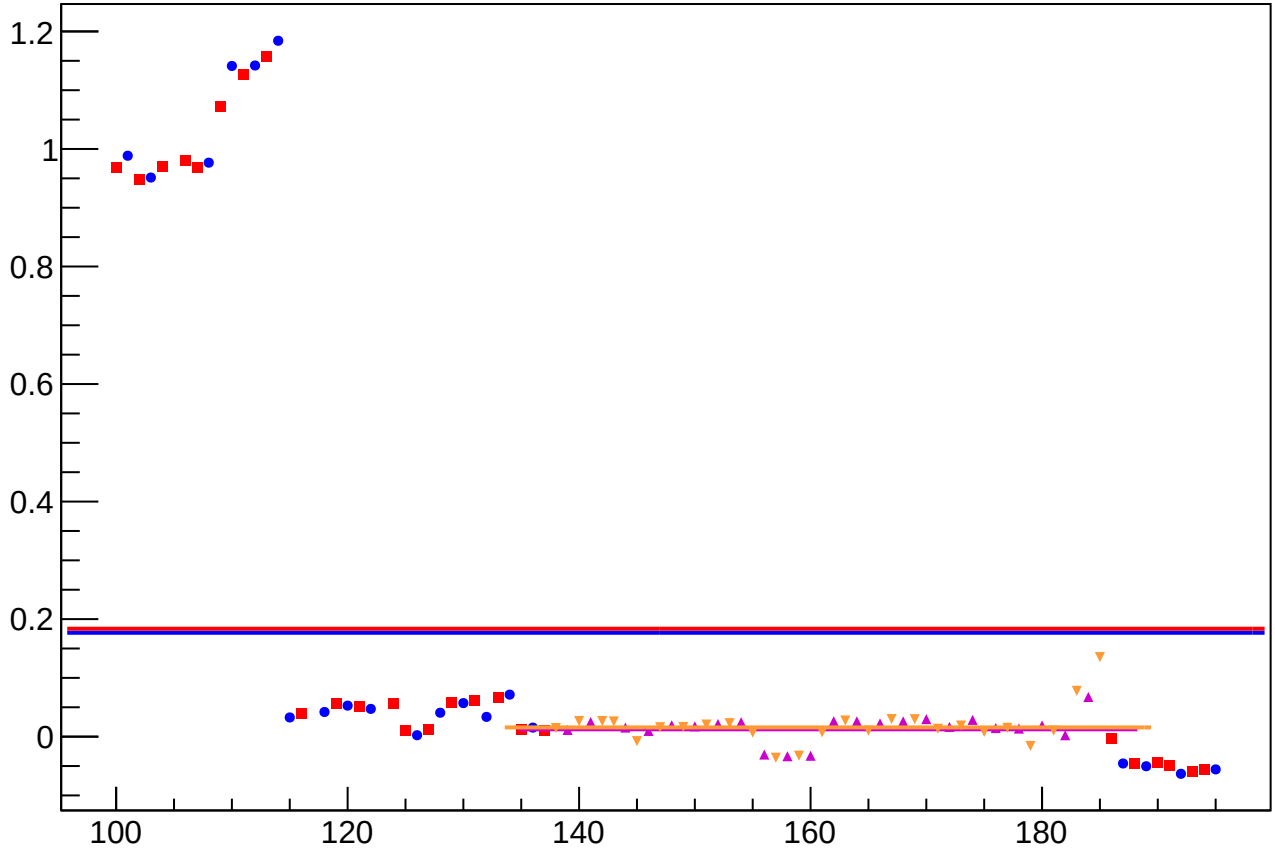
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 4618073.7/44

All: 0.019+/-0.000 χ^2/NDF: 10472558.8/92

- sign 0.020+/-0.000 χ^2/NDF: 5821267.6/47

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: 0.184+/-0.000 χ^2/NDF: 8028441078.9/24

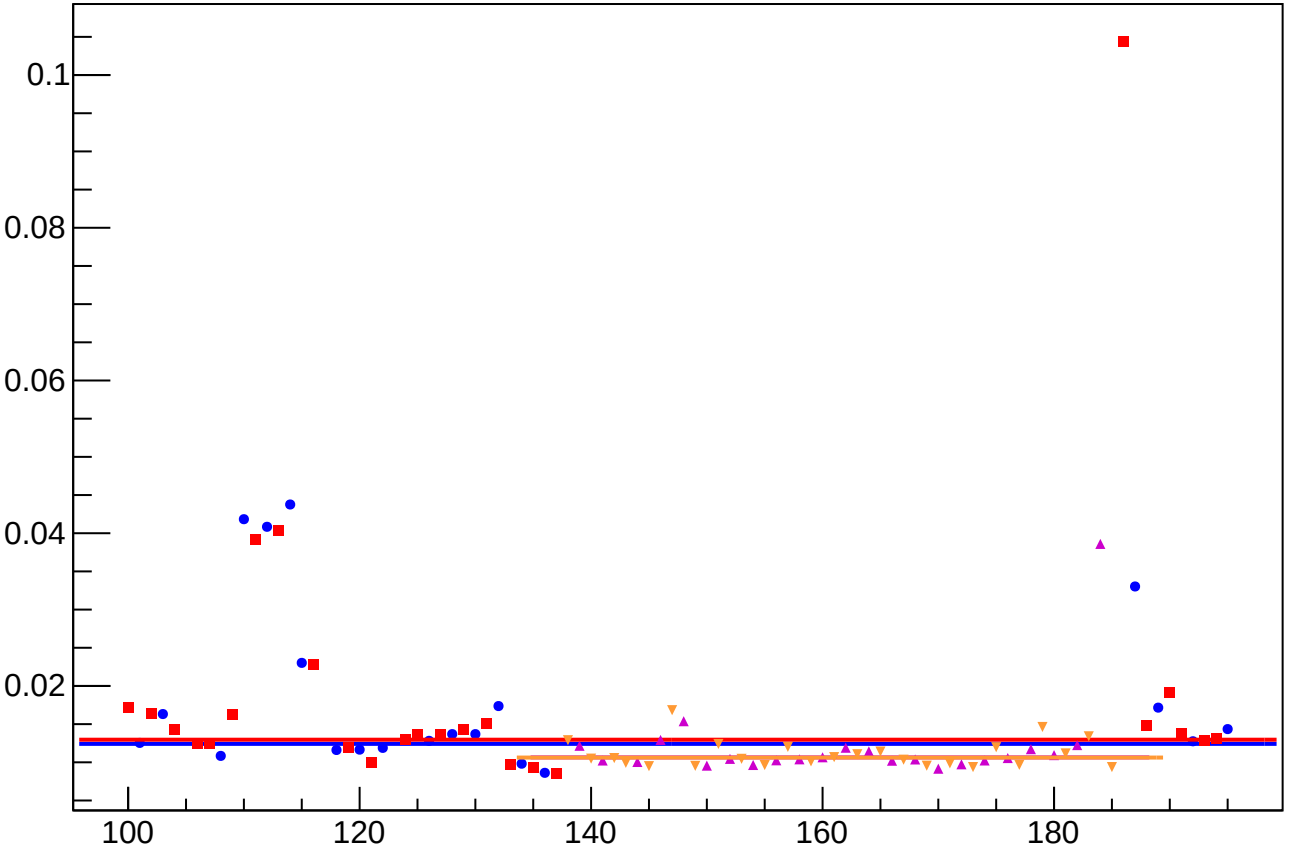
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.057+/-0.000 χ^2/NDF: 8482946804.6/44

All: 0.058+/-0.000 χ^2/NDF: 17753809891.5/9

- sign 0.059+/-0.000 χ^2/NDF: 9270484163.1/47

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

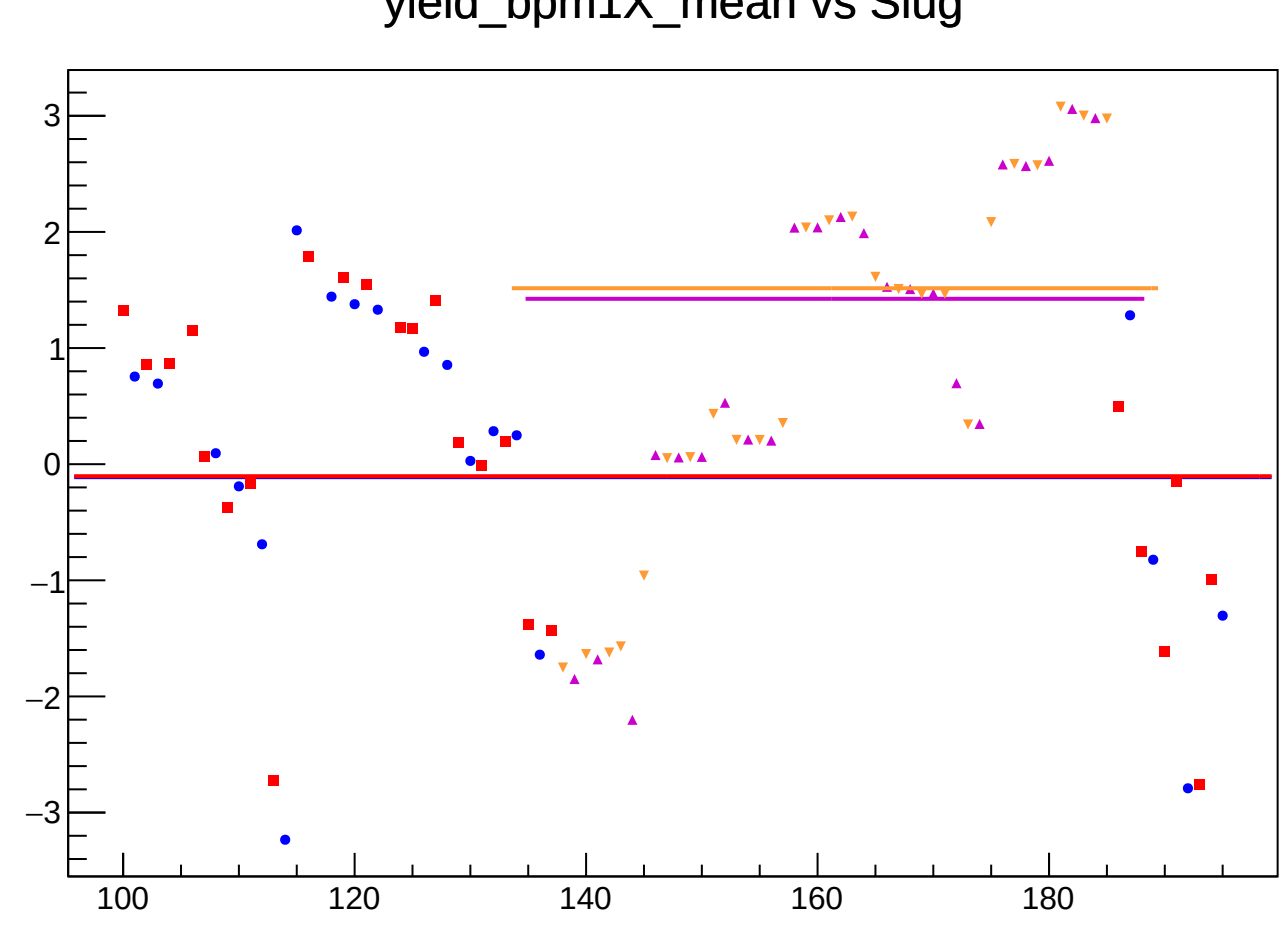
Right Out: 0.013+/-0.000 χ^2/NDF: 2093193.9/24

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: 5715198.4/92

- sign 0.011+/-0.000 χ^2/NDF: 3099307.2/47



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: -0.104+/-0.000 χ^2/NDF: 4164187930.5/24

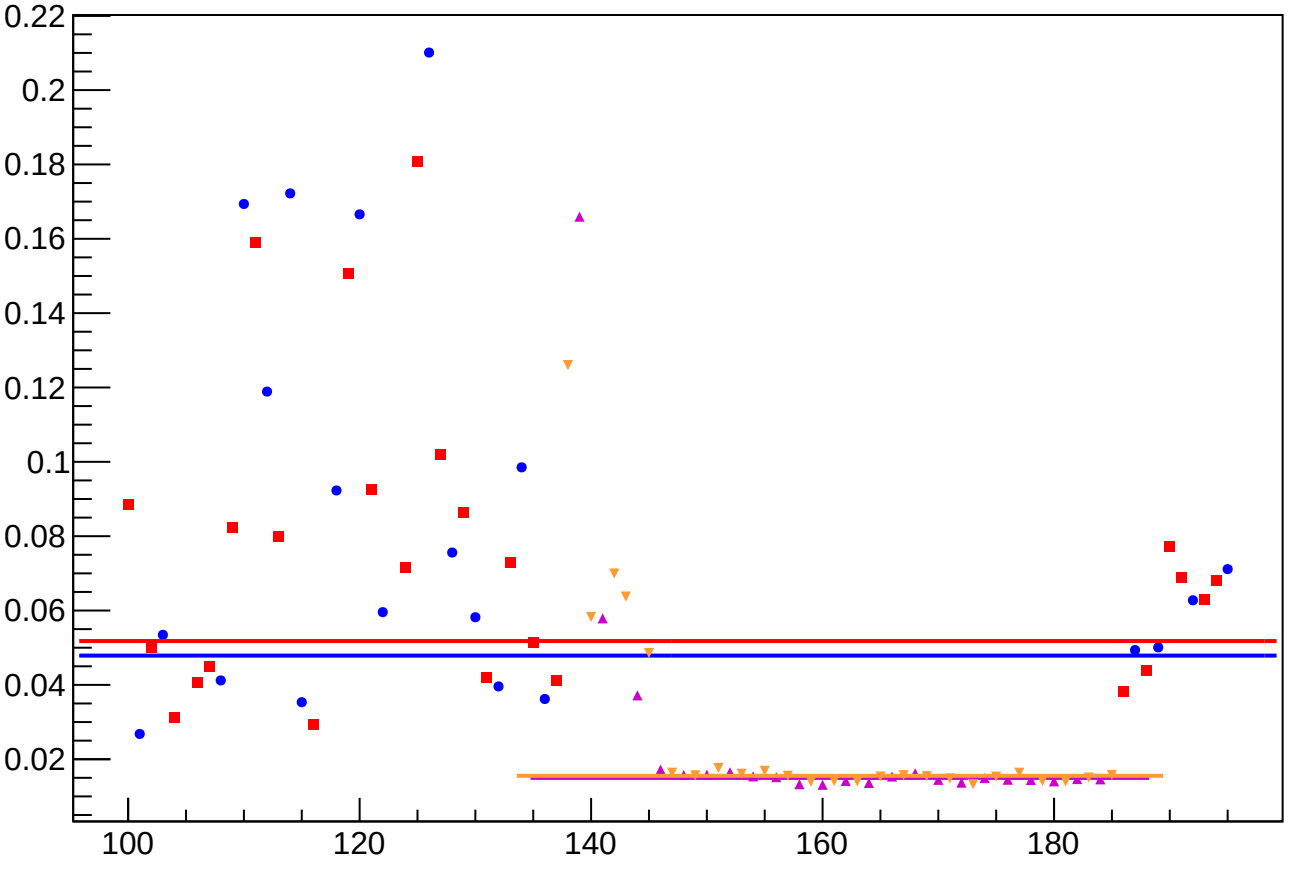
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.447+/-0.000 χ^2/NDF: 78676225529.5/44

All: 1.402+/-0.000 χ^2/NDF: 157479339729.0

- sign 1.357+/-0.000 χ^2/NDF: 78542584921.5/47

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

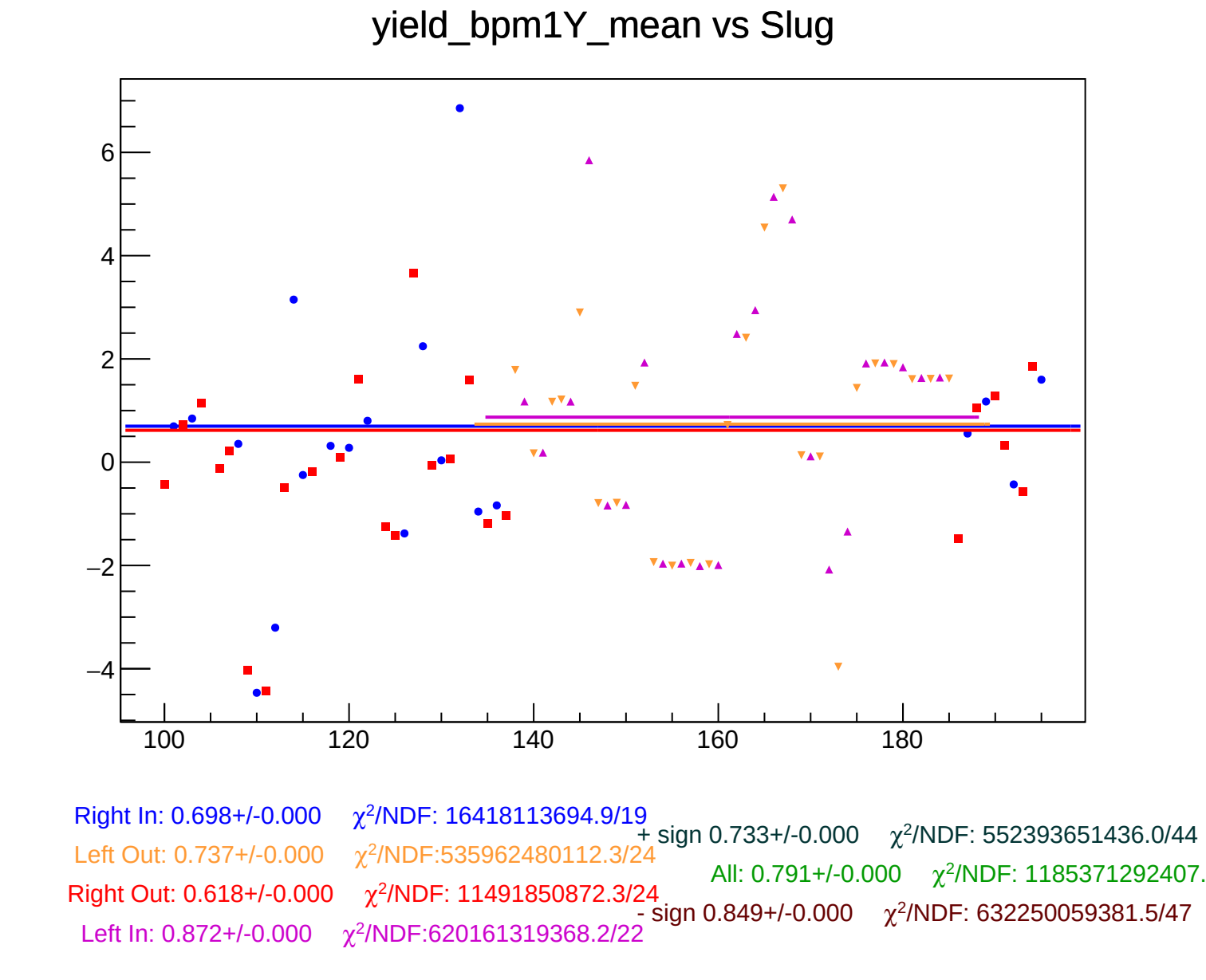
Right Out: 0.052+/-0.000 χ^2/NDF: 2764674.5/24

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

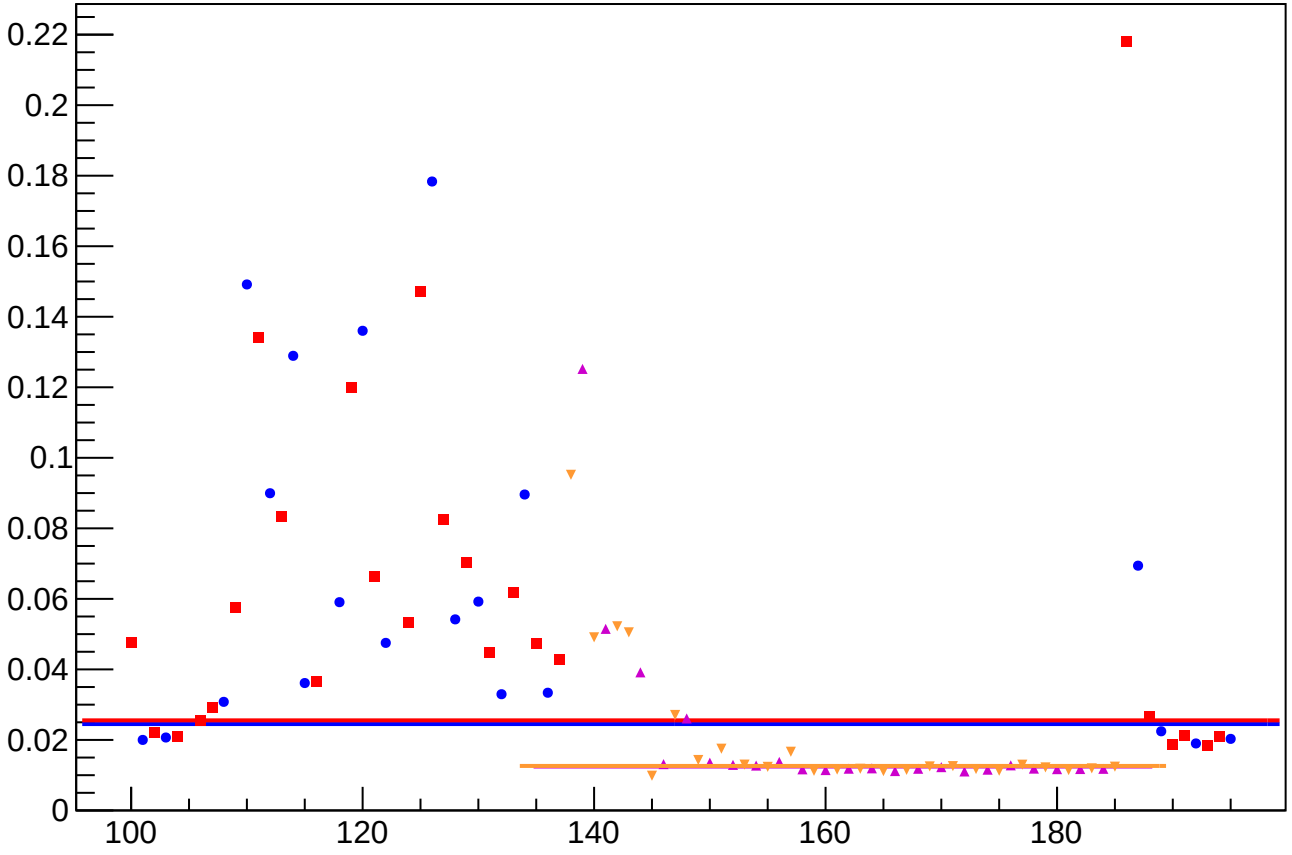
+ sign 0.017+/-0.000 χ^2/NDF: 11381493.2/44

All: 0.017+/-0.000 χ^2/NDF: 23692013.1/92

- sign 0.017+/-0.000 χ^2/NDF: 12304519.6/47


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
Right In: 0.698+/-0.000 χ²/NDF: 16418113694.9/19
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 0.618+/-0.000 χ²/NDF: 11491850872.3/24
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.733+/-0.000 χ²/NDF: 552393651436.0/44
All: 0.791+/-0.000 χ²/NDF: 1185371292407.
- sign 0.849+/-0.000 χ²/NDF: 632250059381.5/47

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: 0.026+/-0.000 χ^2/NDF: 4649835.5/24

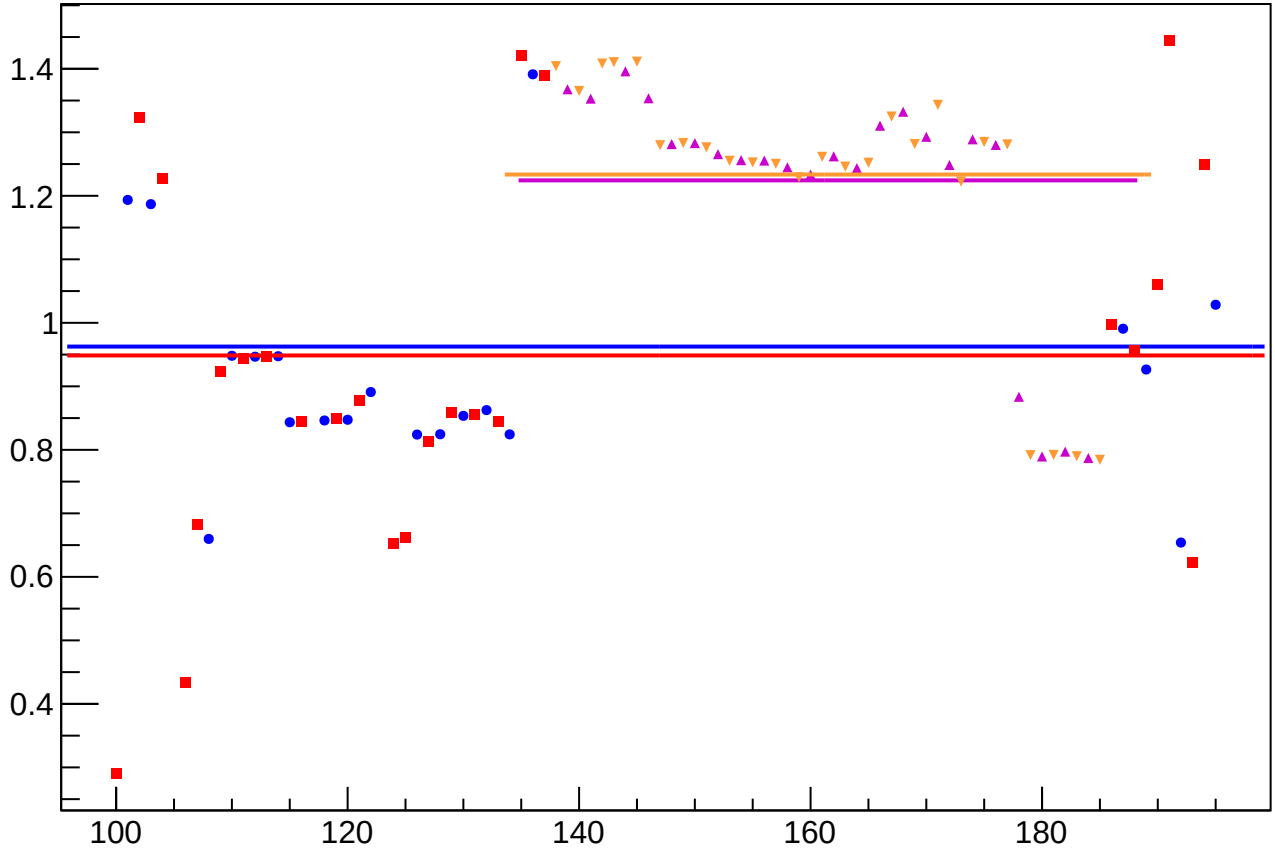
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9364908.6/44

All: 0.014+/-0.000 χ^2/NDF: 19930083.8/92

- sign 0.014+/-0.000 χ^2/NDF: 10565083.7/47

yield_bpm11X_mean vs Slug



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: 0.949+/-0.000 χ^2/NDF: 1930020969.9/24

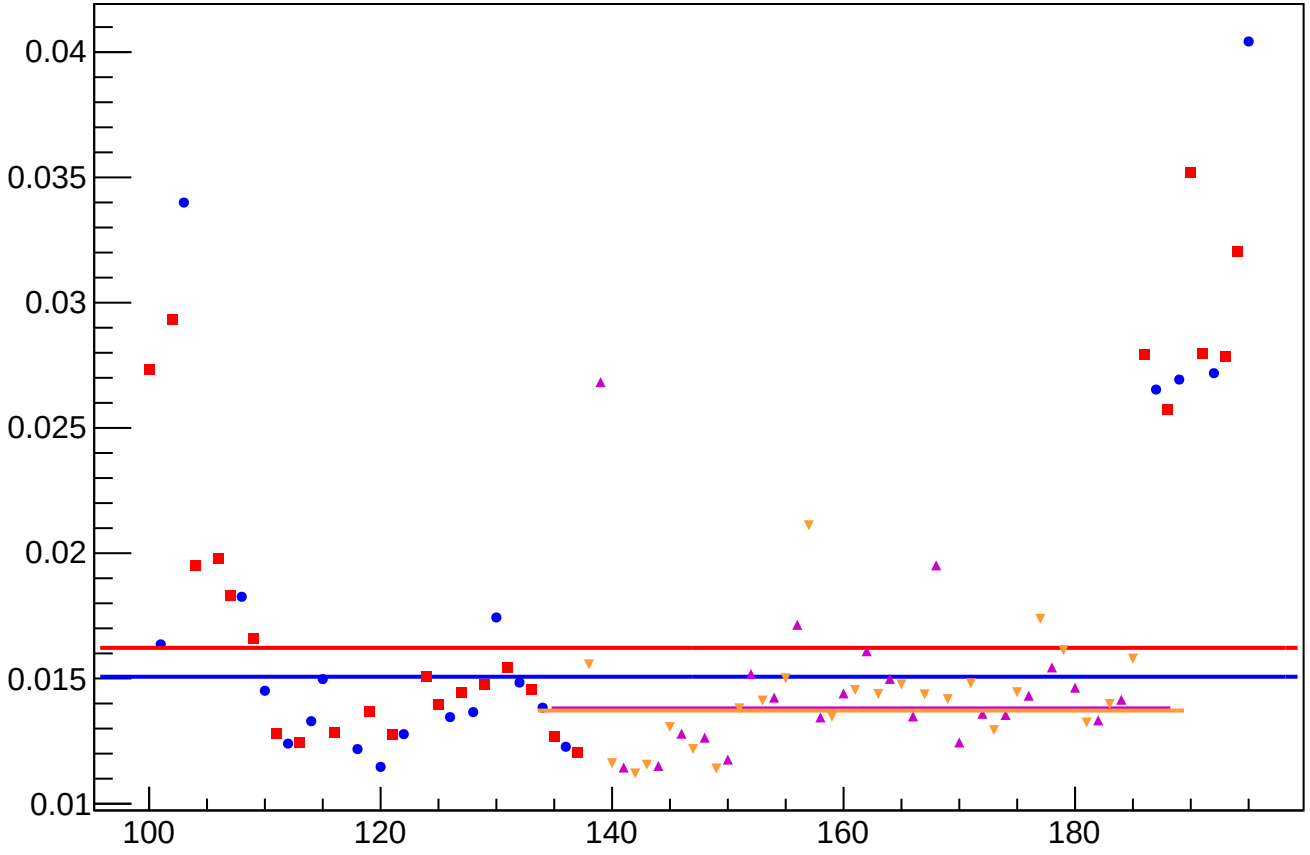
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6486982068.0/44

All: 1.151+/-0.000 χ^2/NDF: 12961203977.8/9

- sign 1.144+/-0.000 χ^2/NDF: 6463334757.7/47

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

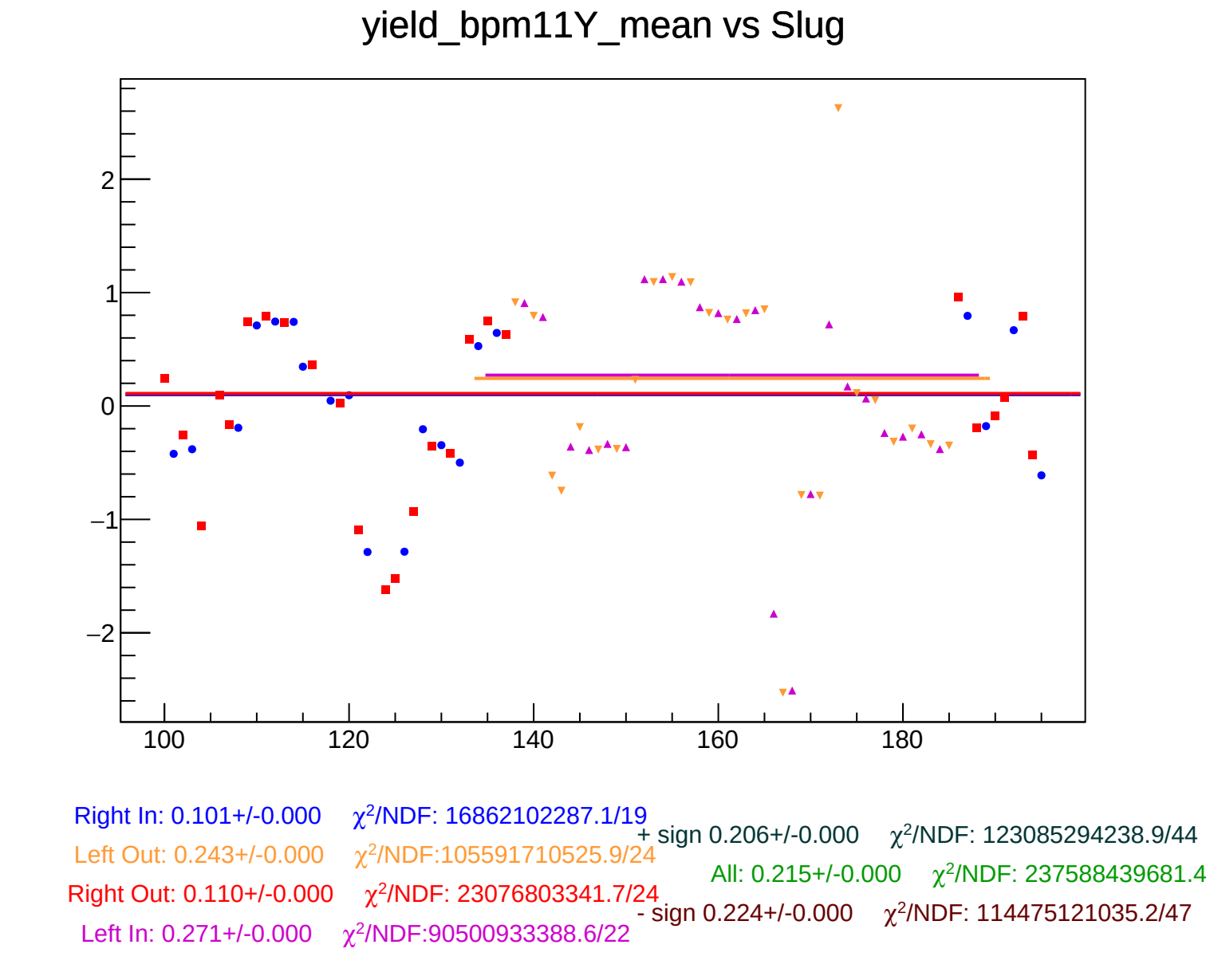
Right Out: 0.016+/-0.000 χ^2/NDF: 2087759.9/24

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

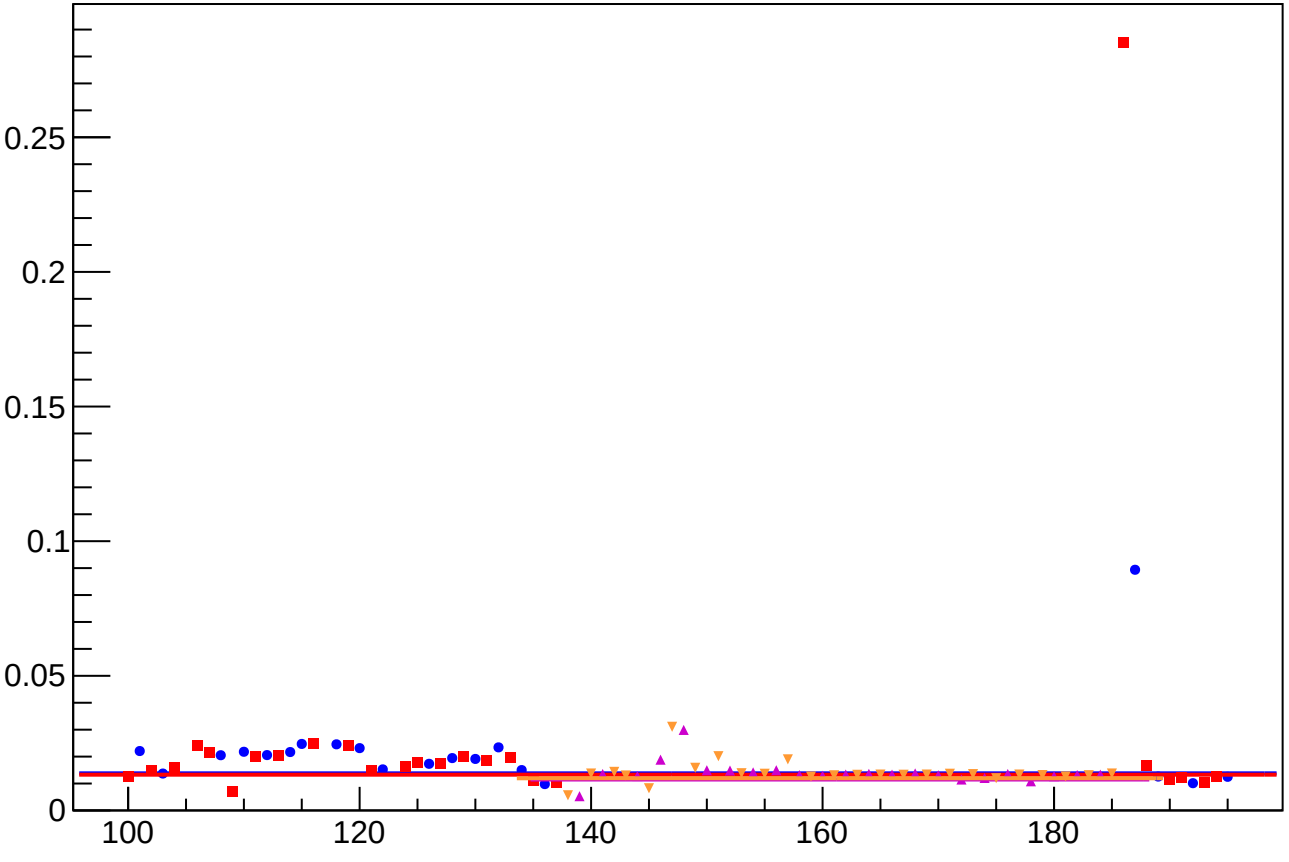
+ sign 0.014+/-0.000 χ^2/NDF: 2611593.9/44

All: 0.014+/-0.000 χ^2/NDF: 5878855.9/92

- sign 0.015+/-0.000 χ^2/NDF: 3246703.5/47


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.101+/-0.000 χ²/NDF: 16862102287.1/19
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.110+/-0.000 χ²/NDF: 23076803341.7/24
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.206+/-0.000 χ²/NDF: 123085294238.9/44
All: 0.215+/-0.000 χ²/NDF: 237588439681.4
- sign 0.224+/-0.000 χ²/NDF: 114475121035.2/47

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

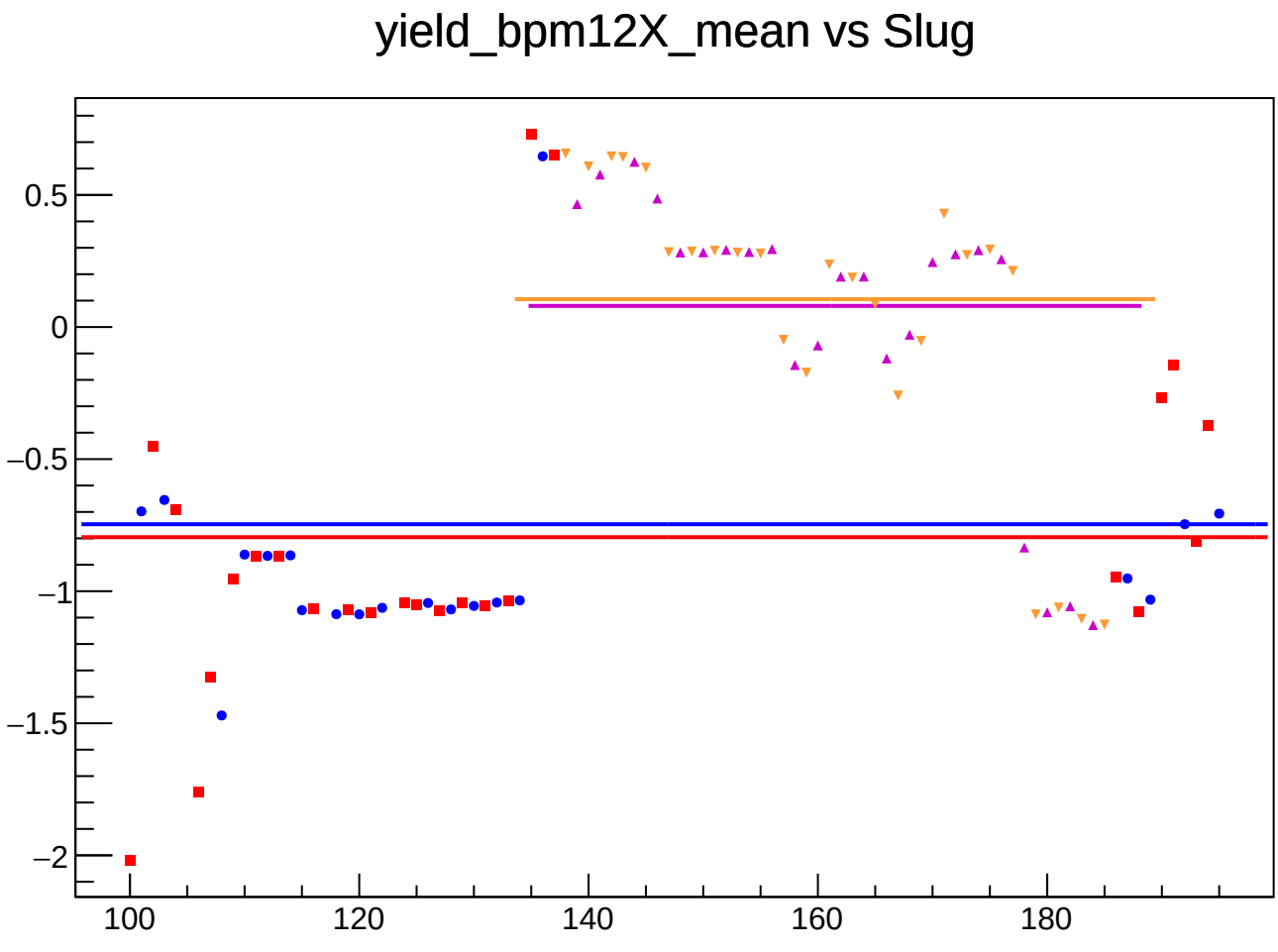
Right Out: 0.013+/-0.000 χ^2/NDF: 2614231.8/24

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: 11971499.9/92

- sign 0.012+/-0.000 χ^2/NDF: 6507875.0/47



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: -0.796+/-0.000 χ^2/NDF: 1974259682.3/24

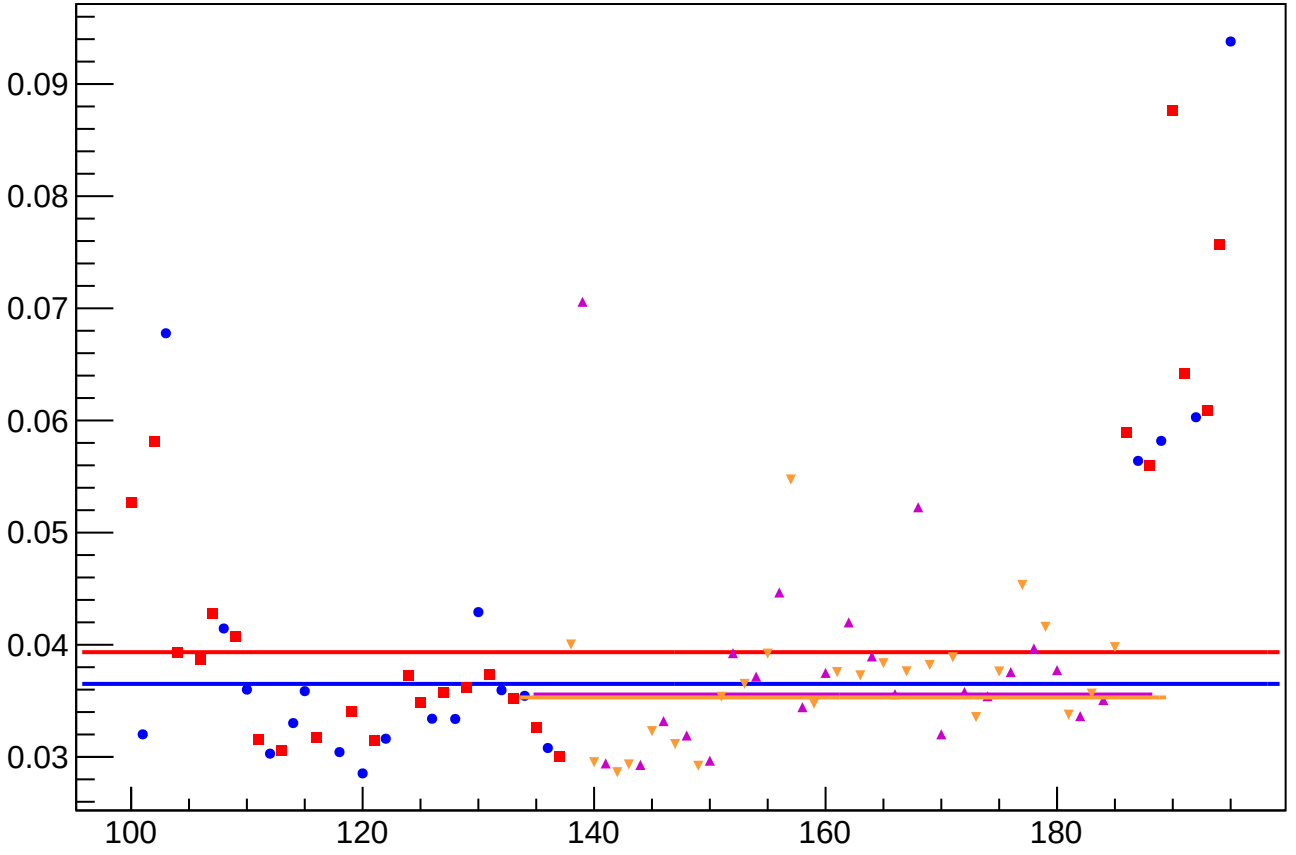
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.160+/-0.000 χ^2/NDF: 8926482004.8/44

All: -0.180+/-0.000 χ^2/NDF: 17325058309.8/

- sign -0.202+/-0.000 χ^2/NDF: 8381984600.6/47

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: 0.039+/-0.000 χ^2/NDF: 1576888.5/24

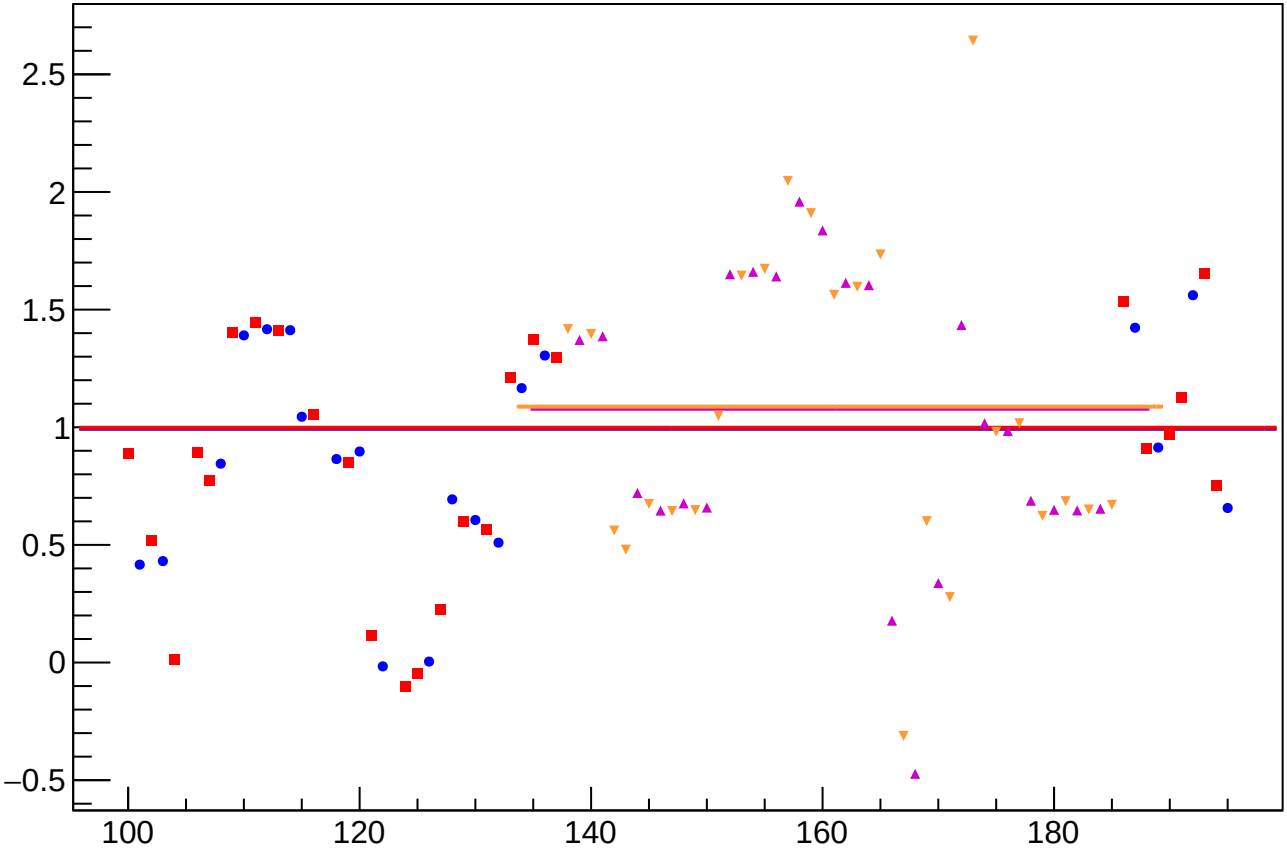
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.036+/-0.000 χ^2/NDF: 2208169.0/44

All: 0.036+/-0.000 χ^2/NDF: 4885365.5/92

- sign 0.037+/-0.000 χ^2/NDF: 2654068.5/47

yield_bpm12Y_mean vs Slug



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: 0.998+/-0.000 χ^2/NDF: 25154559239.9/24

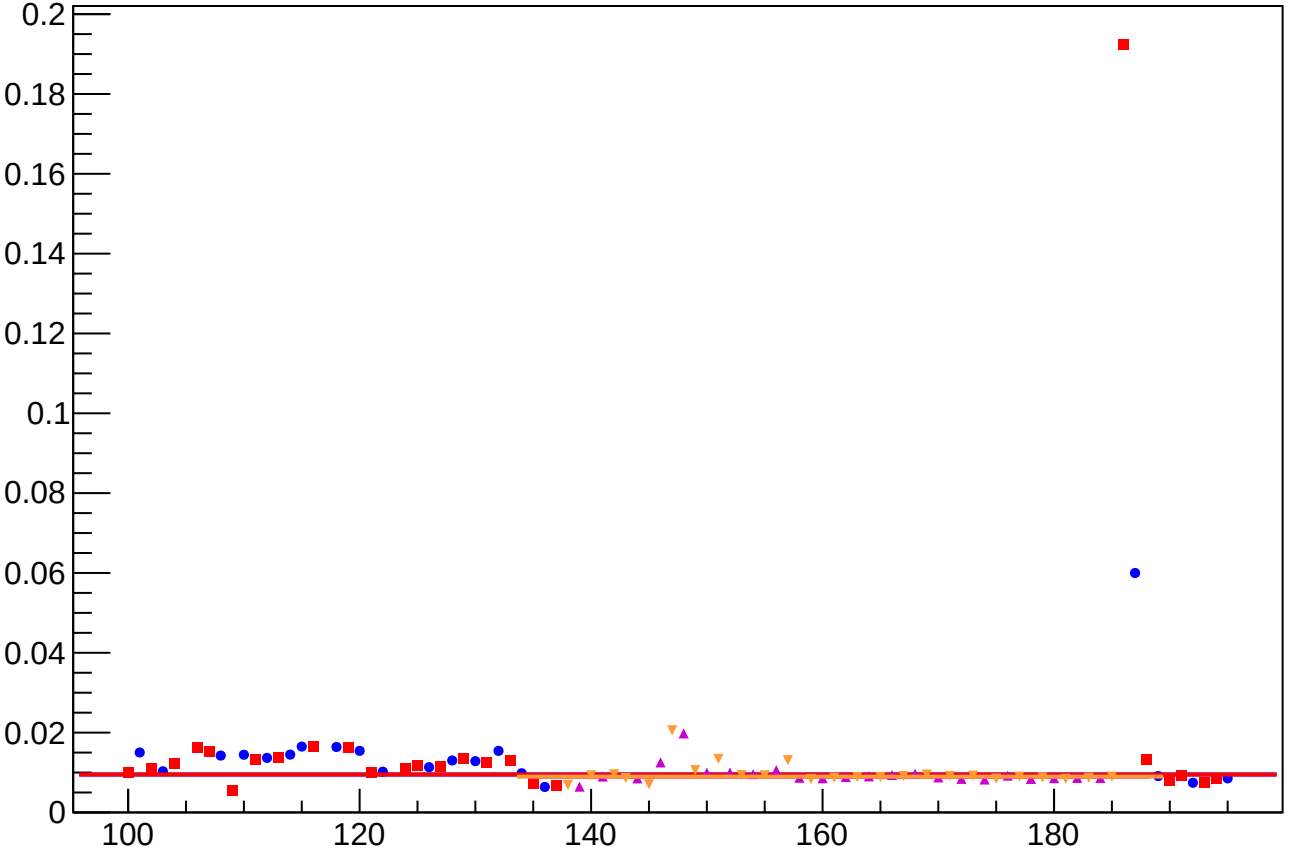
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.061+/-0.000 χ^2/NDF: 114585155088.6/44

All: 1.057+/-0.000 χ^2/NDF: 214267377383.6

- sign 1.053+/-0.000 χ^2/NDF: 99672872609.4/47

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

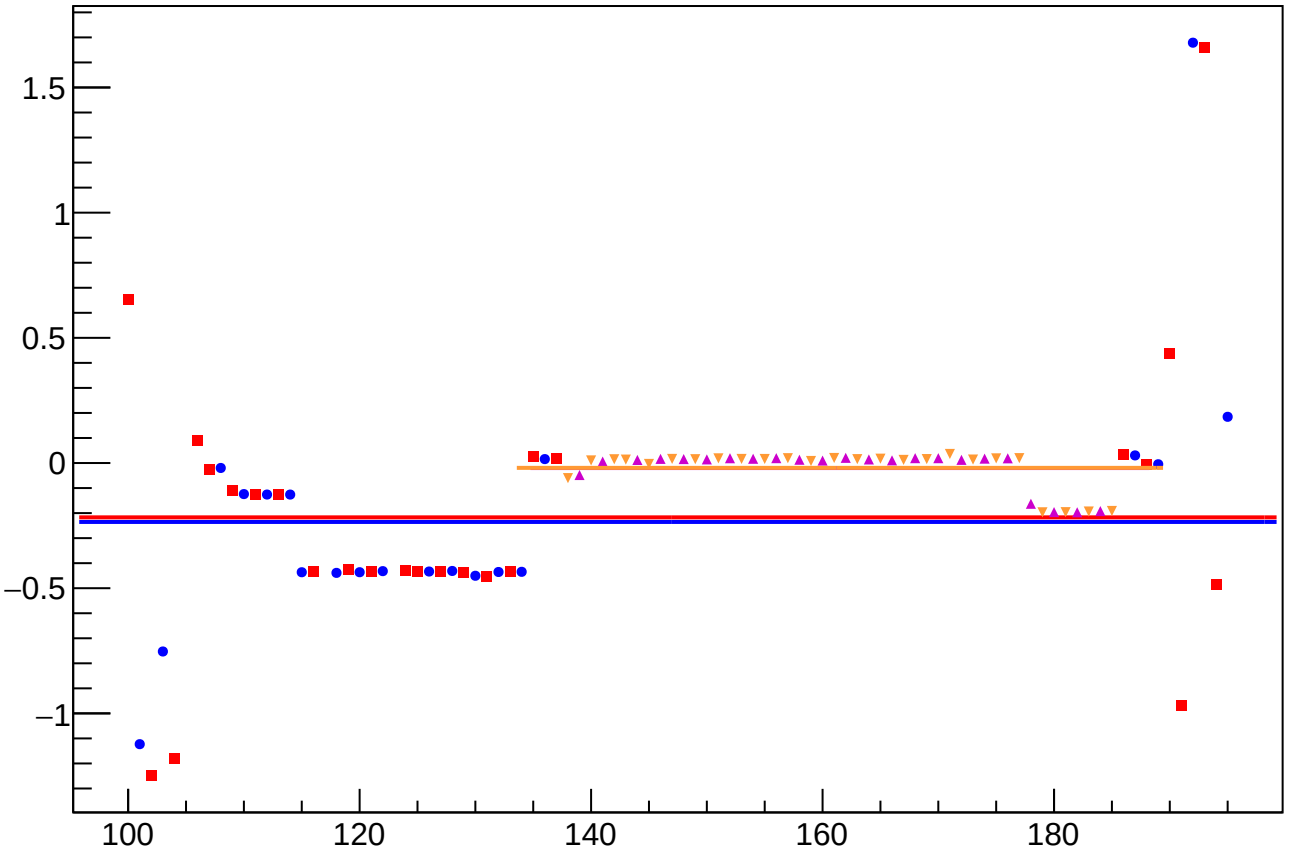
Right Out: 0.010+/-0.000 χ^2/NDF: 2327804.0/24

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: 6367599.8/92

- sign 0.009+/-0.000 χ^2/NDF: 3336102.9/47



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: -0.217+/-0.000 χ^2/NDF: 2611880830.6/24

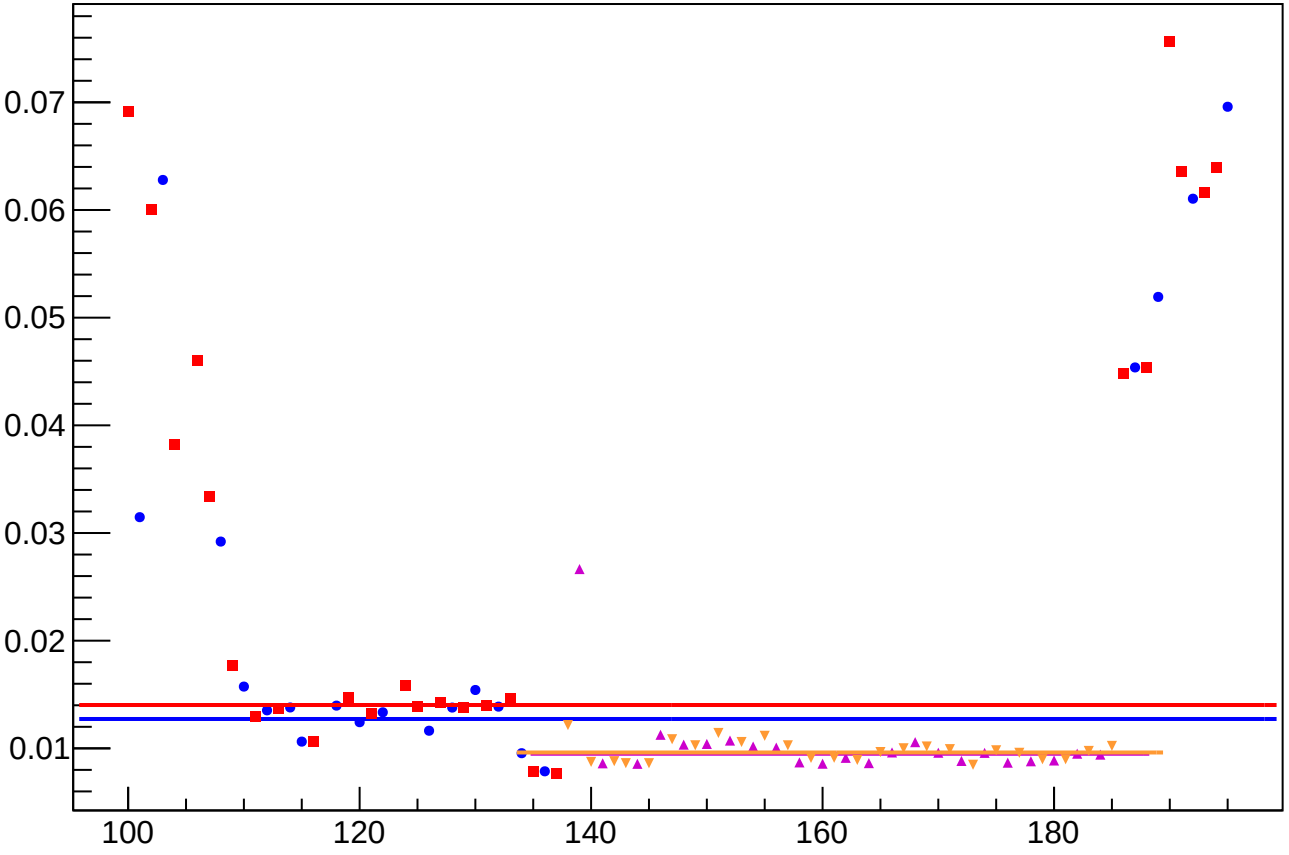
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5479672258.3/44

All: -0.054+/-0.000 χ^2/NDF: 10145609553.9/

- sign -0.052+/-0.000 χ^2/NDF: 4664506044.8/47

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 5016497.1/19

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 6298457.3/24

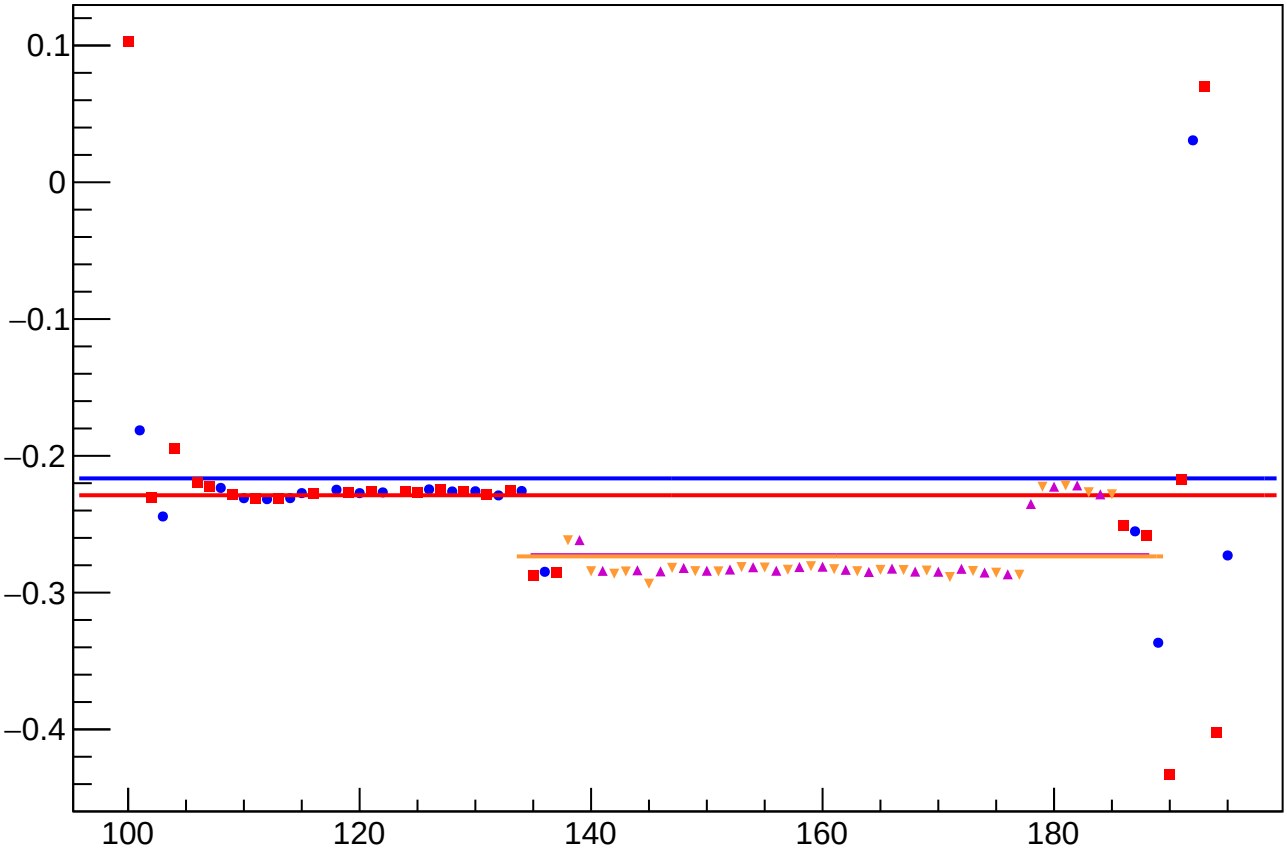
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 5870379.5/44

All: 0.010+/-0.000 χ^2/NDF: 14200635.8/92

- sign 0.010+/-0.000 χ^2/NDF: 8328440.0/47

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: -0.229+/-0.000 χ^2/NDF: 3471646345.0/24

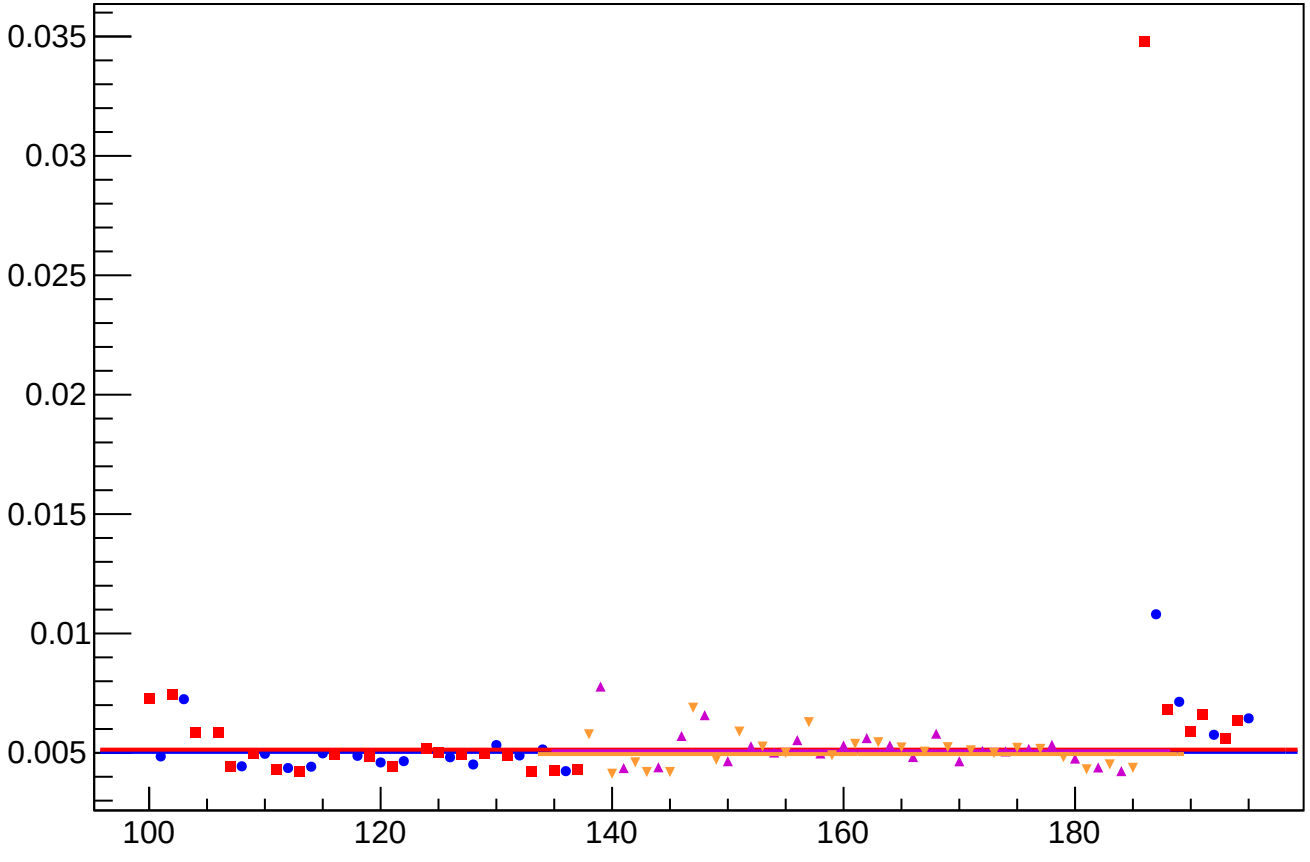
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.255+/-0.000 χ^2/NDF: 3393839081.7/44

All: -0.256+/-0.000 χ^2/NDF: 7659494731.0/9

- sign -0.257+/-0.000 χ^2/NDF: 4264316193.4/47

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: 1132849.1/24

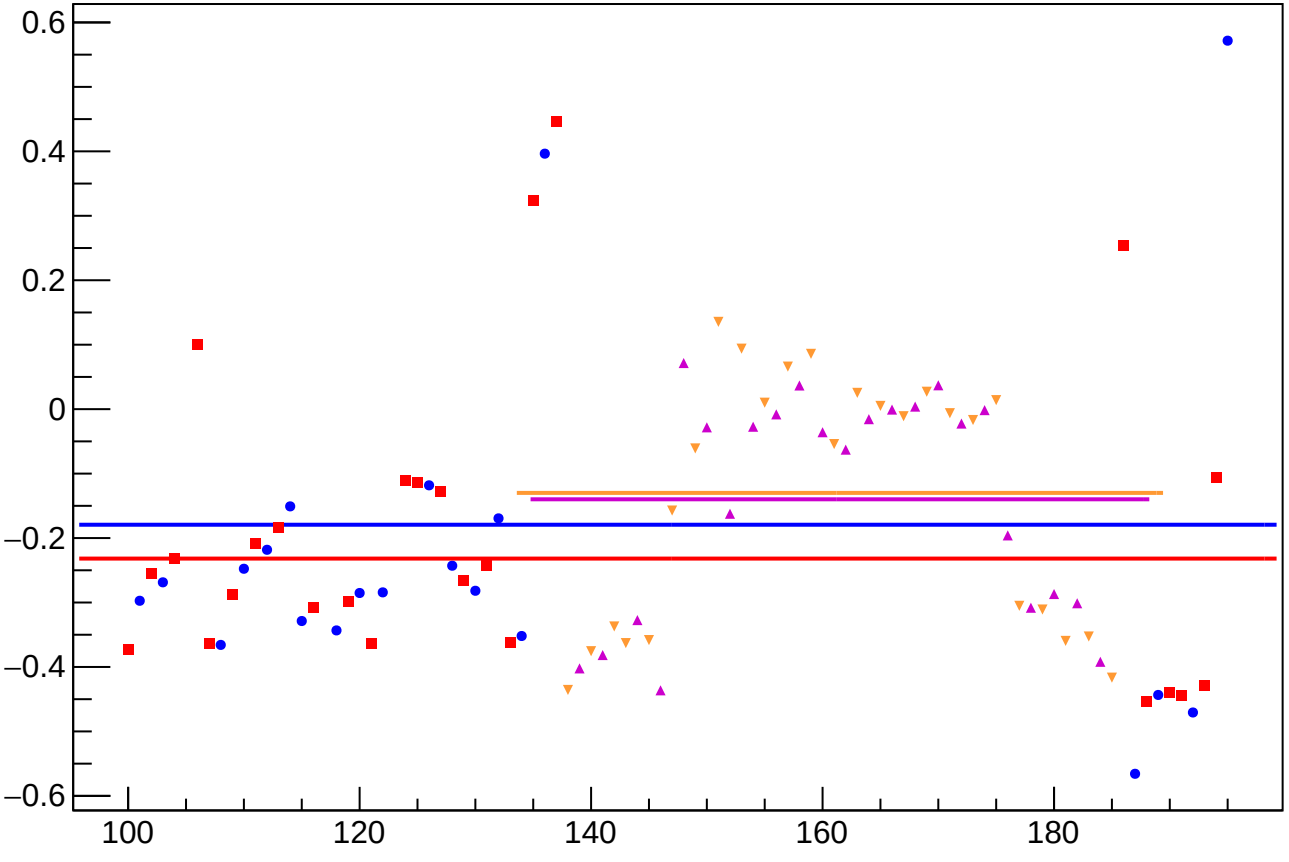
Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1061802.0/44

All: 0.005+/-0.000 χ^2/NDF: 2749580.7/92

- sign 0.005+/-0.000 χ^2/NDF: 1674502.3/47

yield_bpm0i02X_mean vs Slug



Right In: -0.179+/-0.000 χ^2/NDF: 20277363686.2/19

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

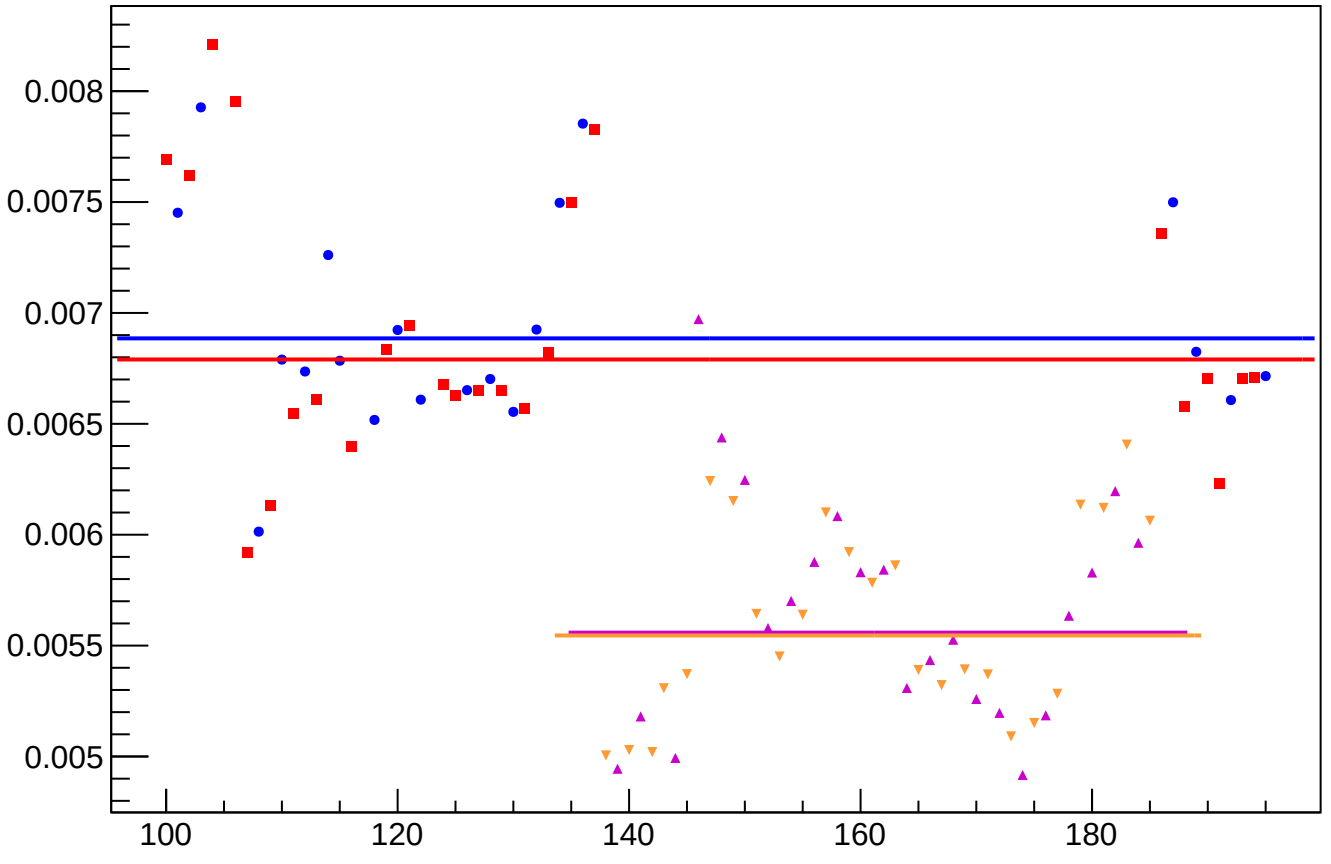
Right Out: -0.232+/-0.000 χ^2/NDF: 9814424936.3/24

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.142+/-0.000 χ^2/NDF: 42141609816.9/44

All: -0.155+/-0.000 χ^2/NDF: 68743852484.4/

- sign -0.167+/-0.000 χ^2/NDF: 26360707912.5/47



Right In: 0.007+/-0.000 χ^2/NDF: 93130.6/19

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

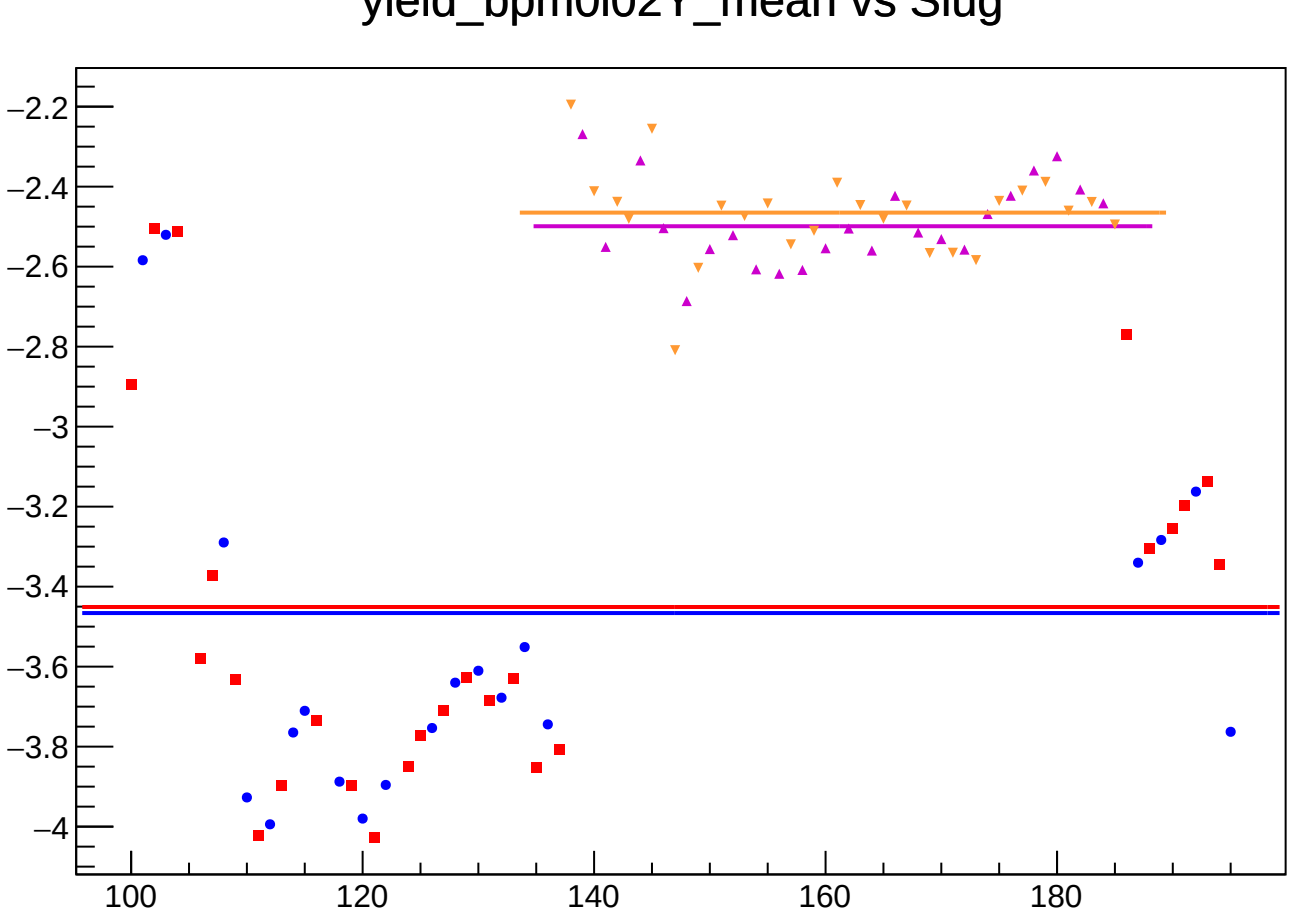
Right Out: 0.007+/-0.000 χ^2/NDF: 112059.9/24

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: 1711886.0/92

- sign 0.006+/-0.000 χ^2/NDF: 874377.6/47



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: -3.451+/-0.000 χ^2/NDF: 32536420079.1/24

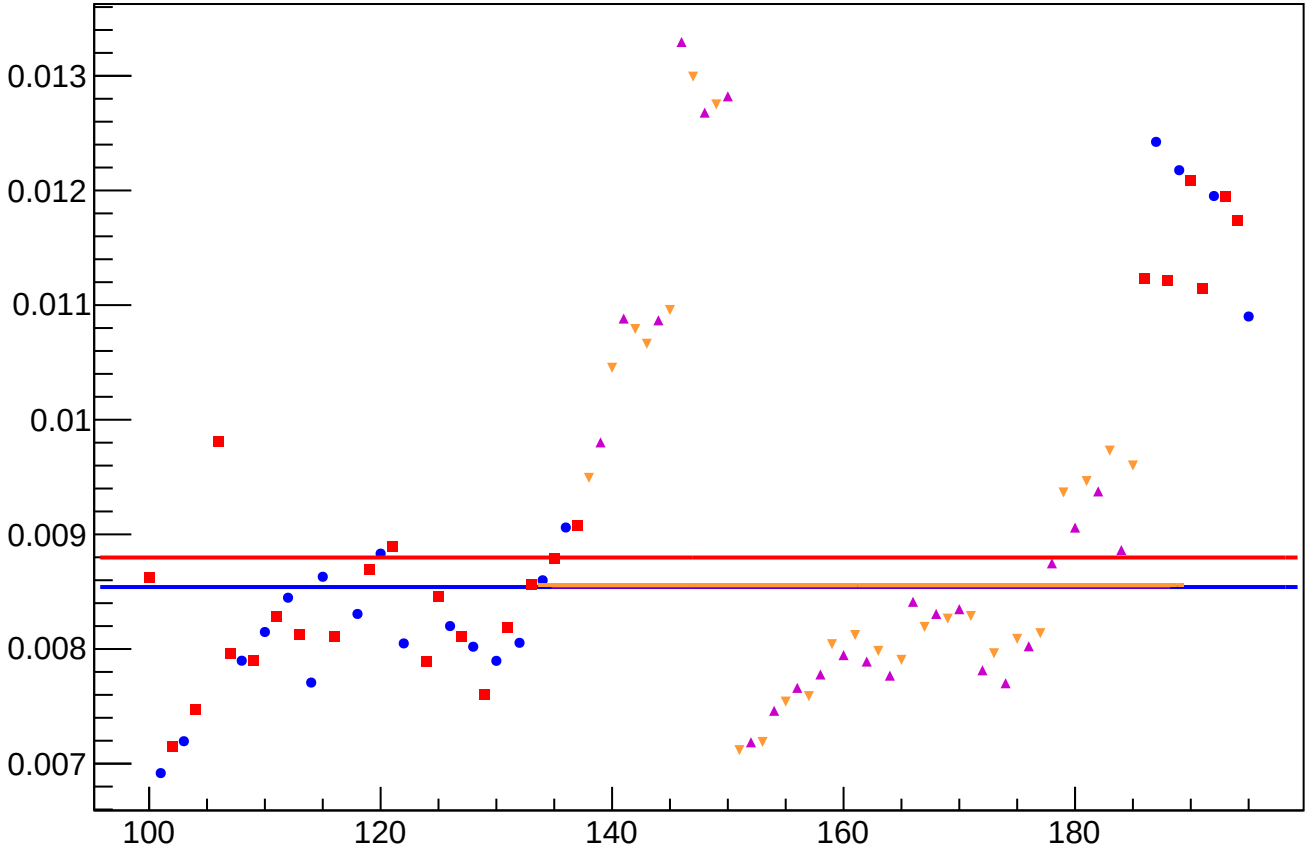
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.806+/-0.000 χ^2/NDF: 117316030152.0/44

All: -2.826+/-0.000 χ^2/NDF: 229948676561.2

- sign -2.847+/-0.000 χ^2/NDF: 112313776072.1/47

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: 585816.5/24

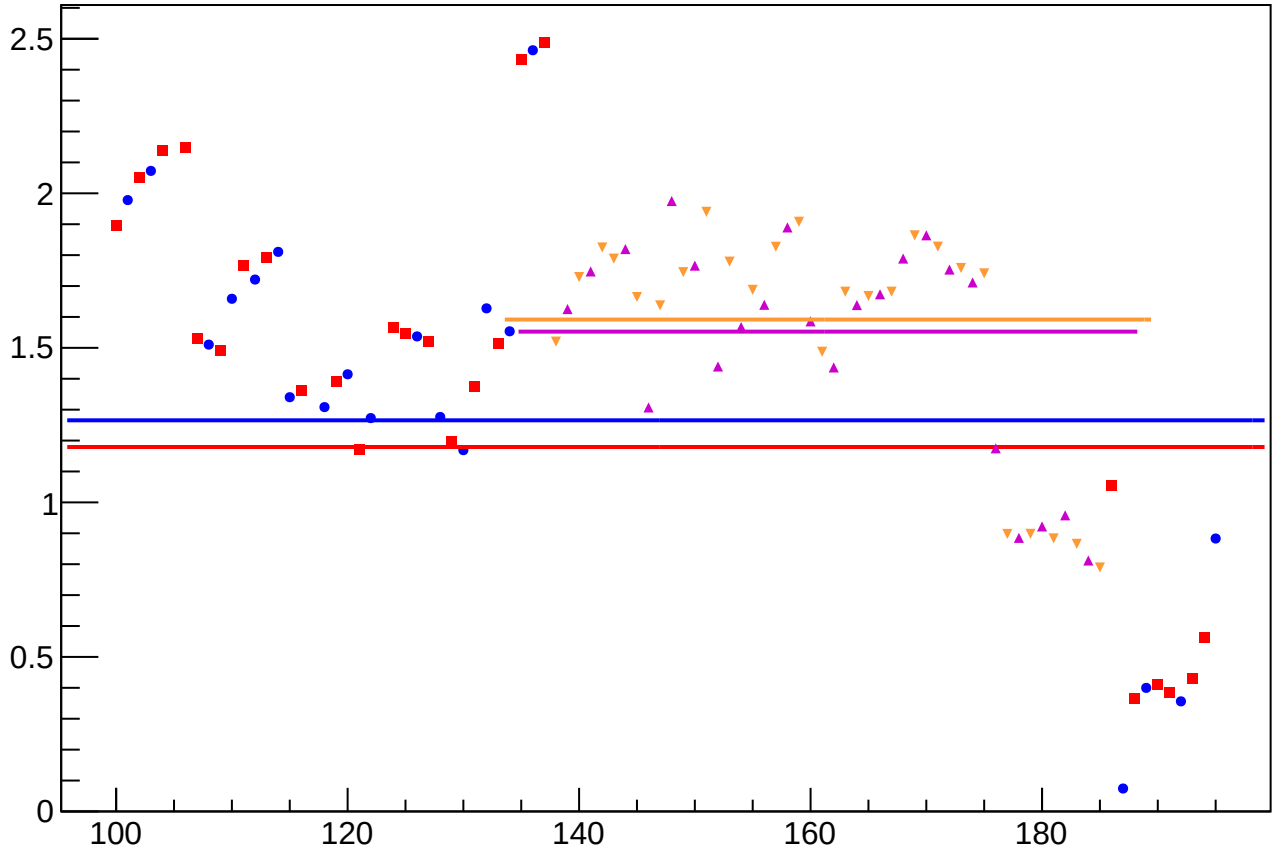
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1333613.6/44

All: 0.009+/-0.000 χ^2/NDF: 2843812.7/92

- sign 0.009+/-0.000 χ^2/NDF: 1507464.3/47

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: 1.179+/-0.000 χ^2/NDF: 33376138530.3/24

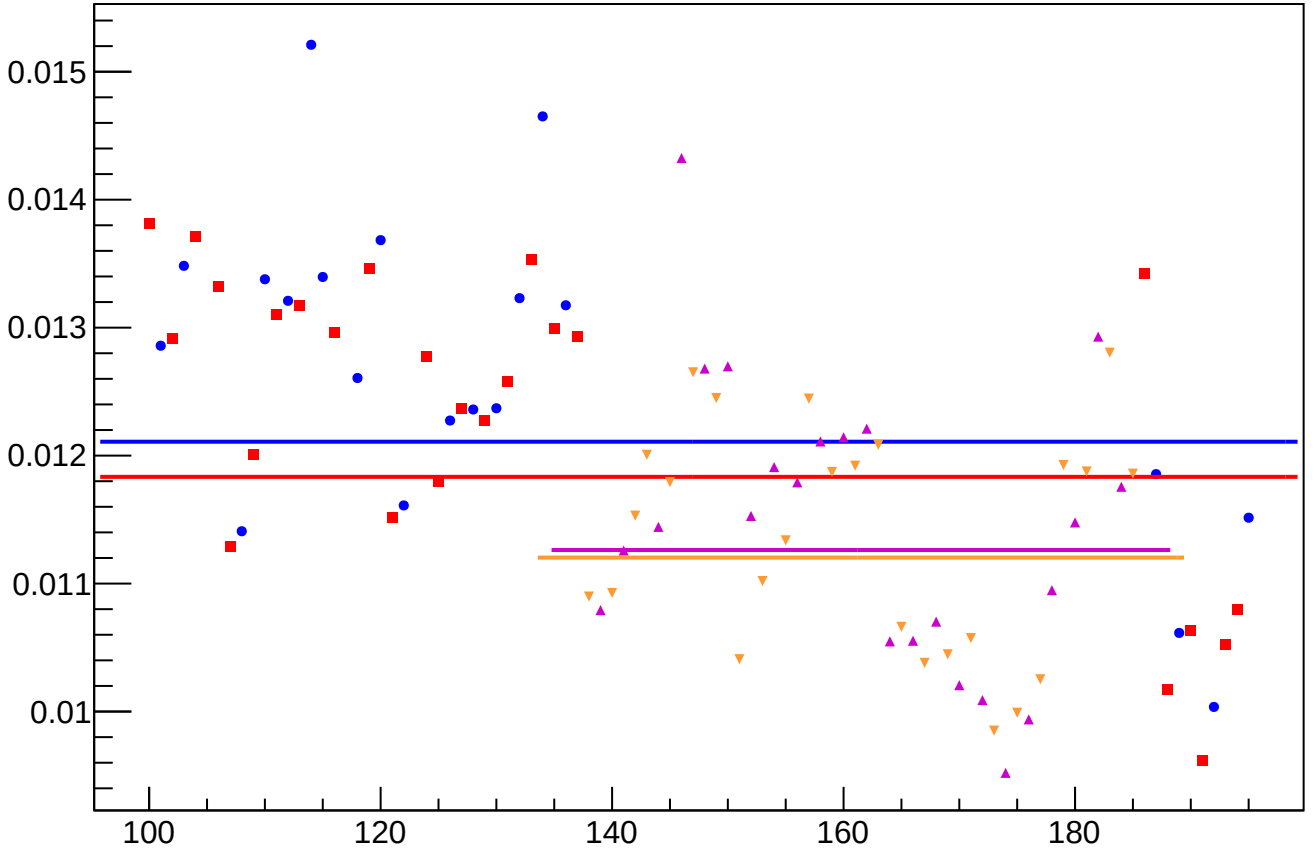
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.492+/-0.000 χ^2/NDF: 49168028826.3/44

All: 1.455+/-0.000 χ^2/NDF: 103994248592.2

- sign 1.419+/-0.000 χ^2/NDF: 54253628836.4/47

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

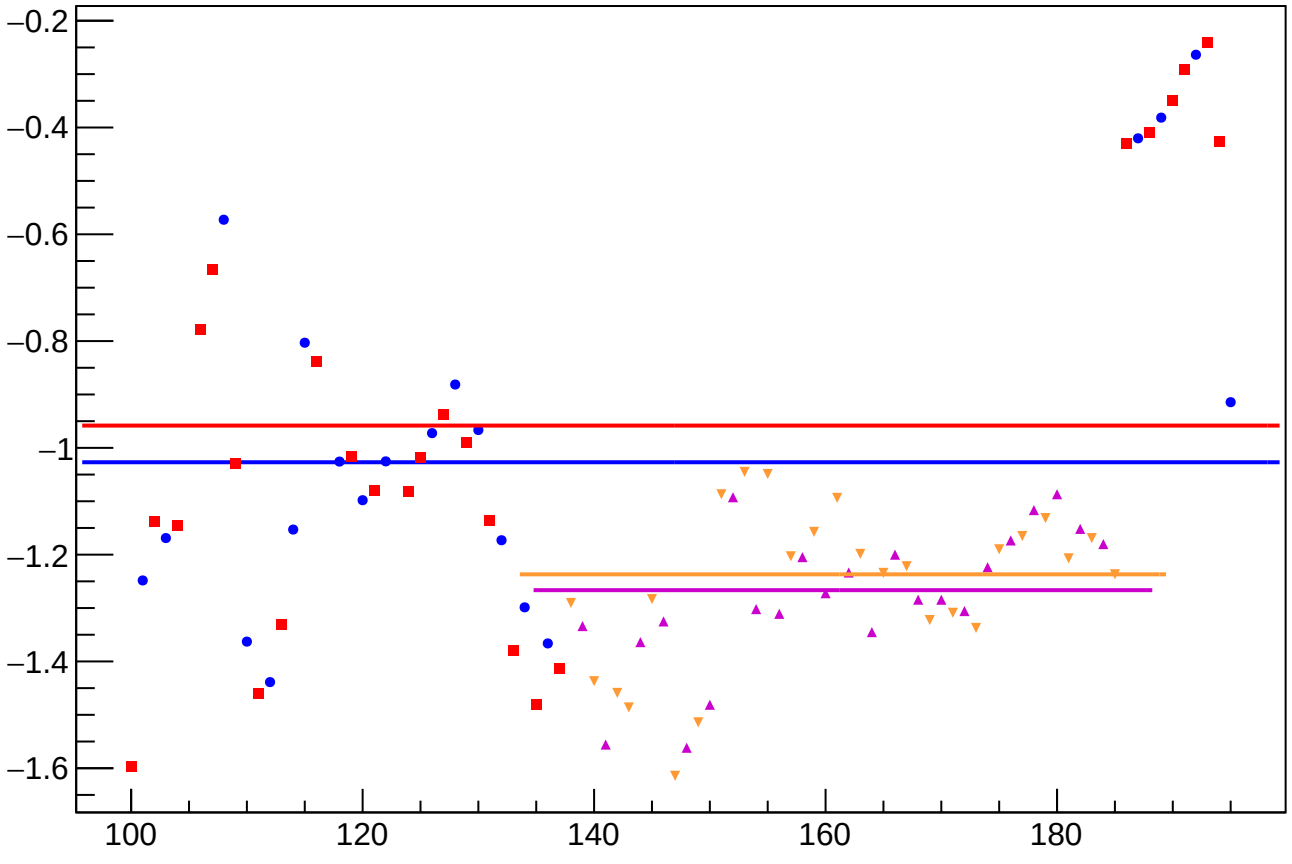
Right Out: 0.012+/-0.000 χ^2/NDF: 244996.6/24

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: 1090552.7/92

- sign 0.011+/-0.000 χ^2/NDF: 588663.8/47



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: -0.958+/-0.000 χ^2/NDF: 16339160641.8/24

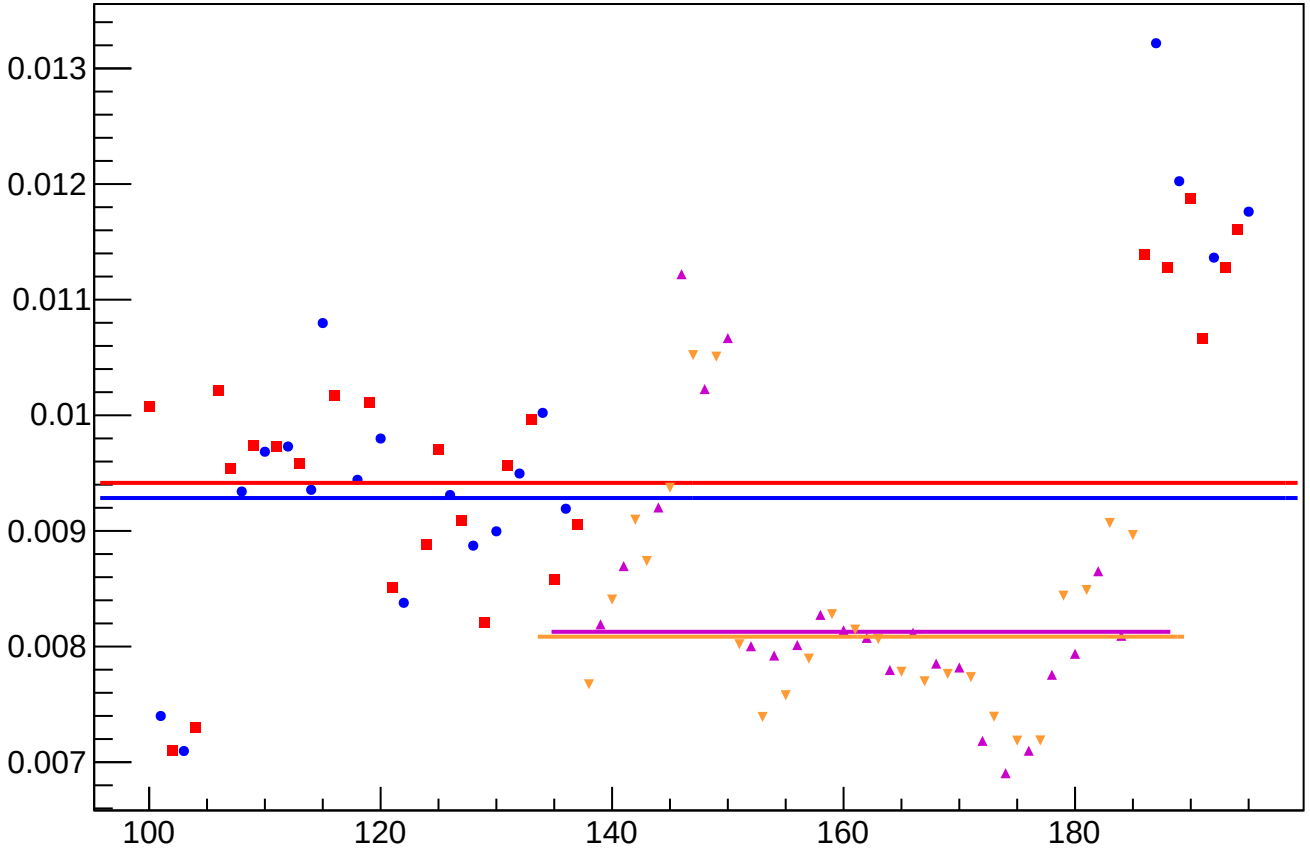
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.178+/-0.000 χ^2/NDF: 19318581641.4/44

All: -1.175+/-0.000 χ^2/NDF: 46997070185.9/

- sign -1.171+/-0.000 χ^2/NDF: 27667365154.5/47

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

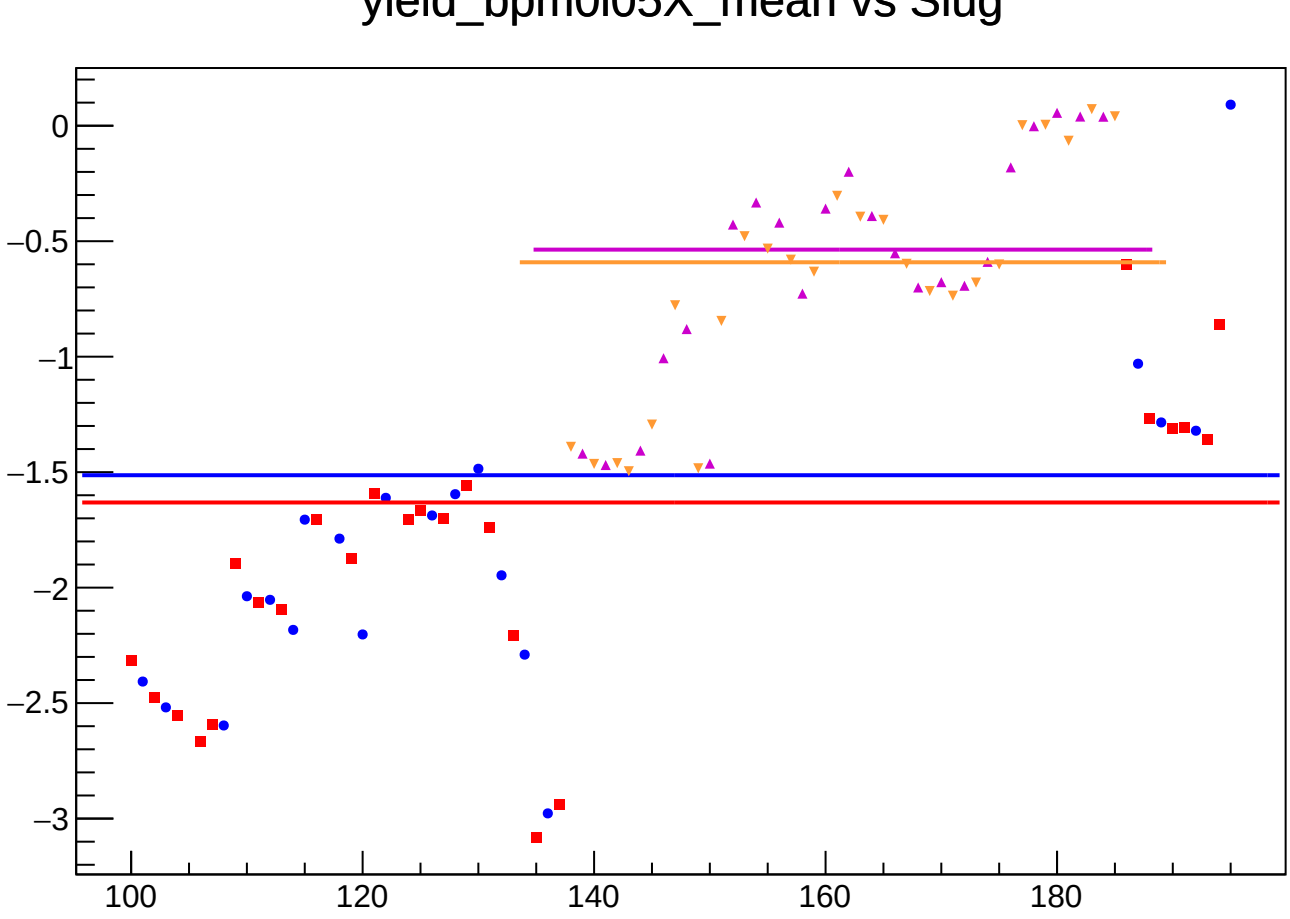
Right Out: 0.009+/-0.000 χ^2/NDF: 484278.9/24

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: 2154848.2/92

- sign 0.009+/-0.000 χ^2/NDF: 1160509.2/47



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: -1.631+/-0.000 χ^2/NDF: 96425341183.4/24

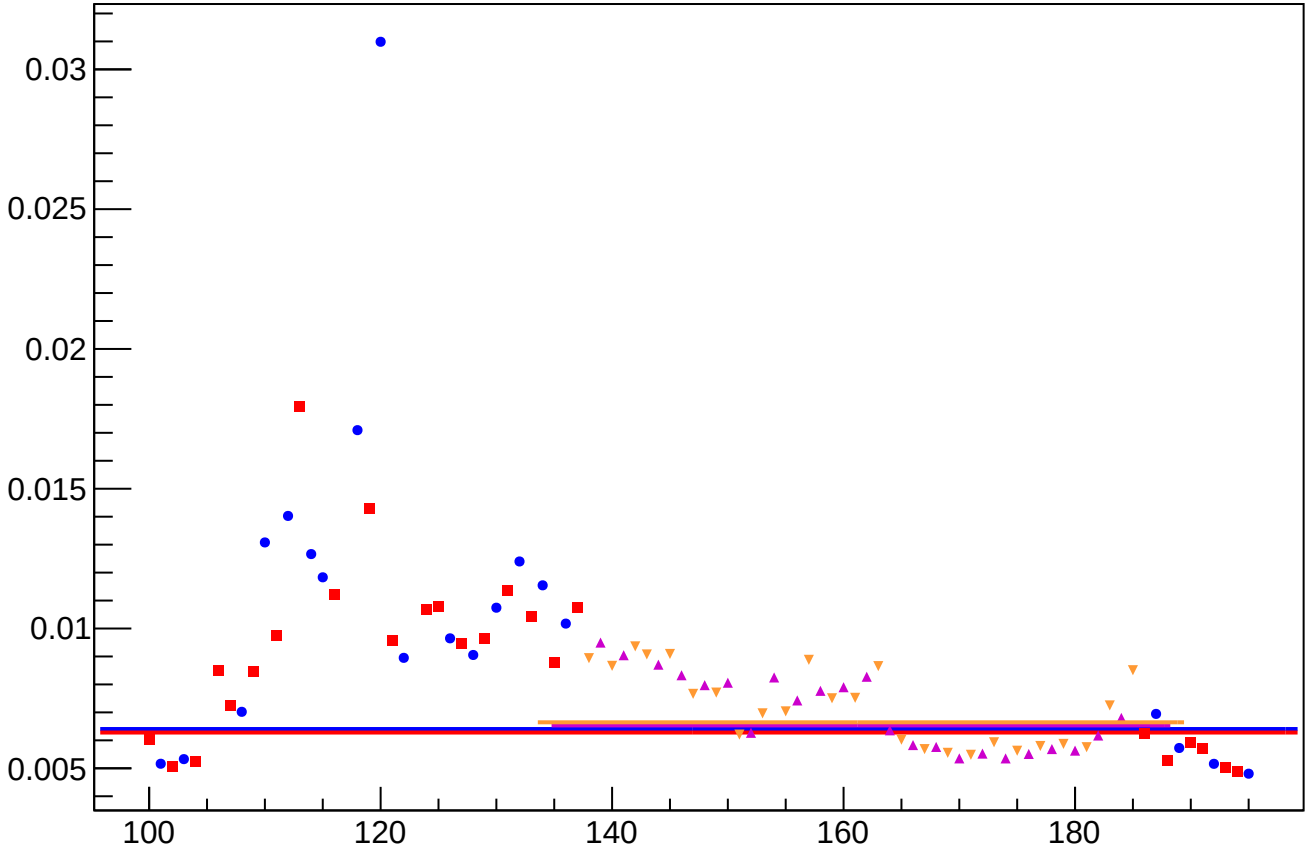
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.882+/-0.000 χ^2/NDF: 335103979111.2/44

All: -0.913+/-0.000 χ^2/NDF: 667671140958.8

- sign -0.942+/-0.000 χ^2/NDF: 331538583238.2/47

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

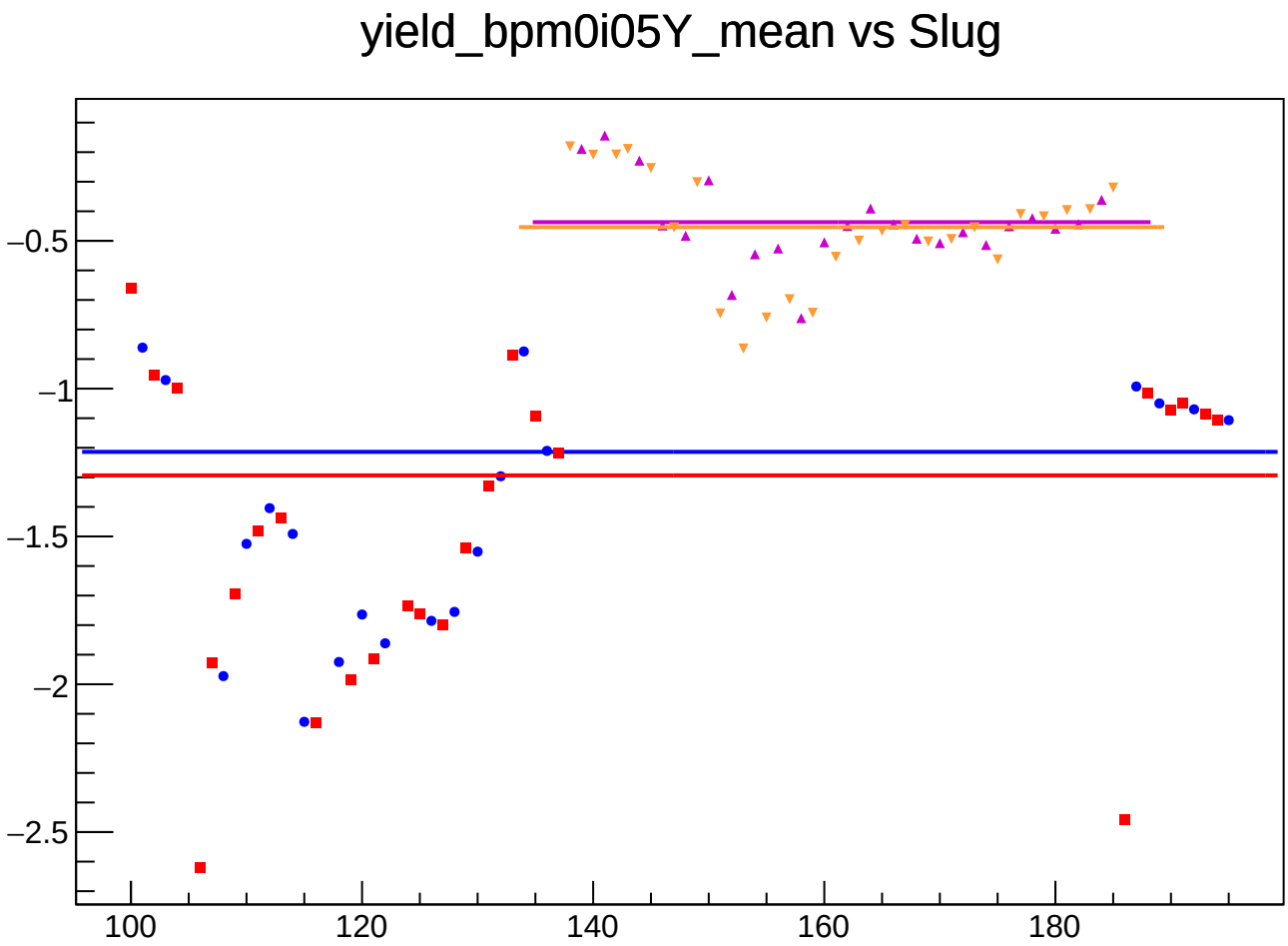
Right Out: 0.006+/-0.000 χ^2/NDF: 1971093.6/24

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3381058.7/44

All: 0.007+/-0.000 χ^2/NDF: 6530764.7/92

- sign 0.006+/-0.000 χ^2/NDF: 3140171.6/47



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: -1.293+/-0.000 χ^2/NDF: 70219239054.4/24

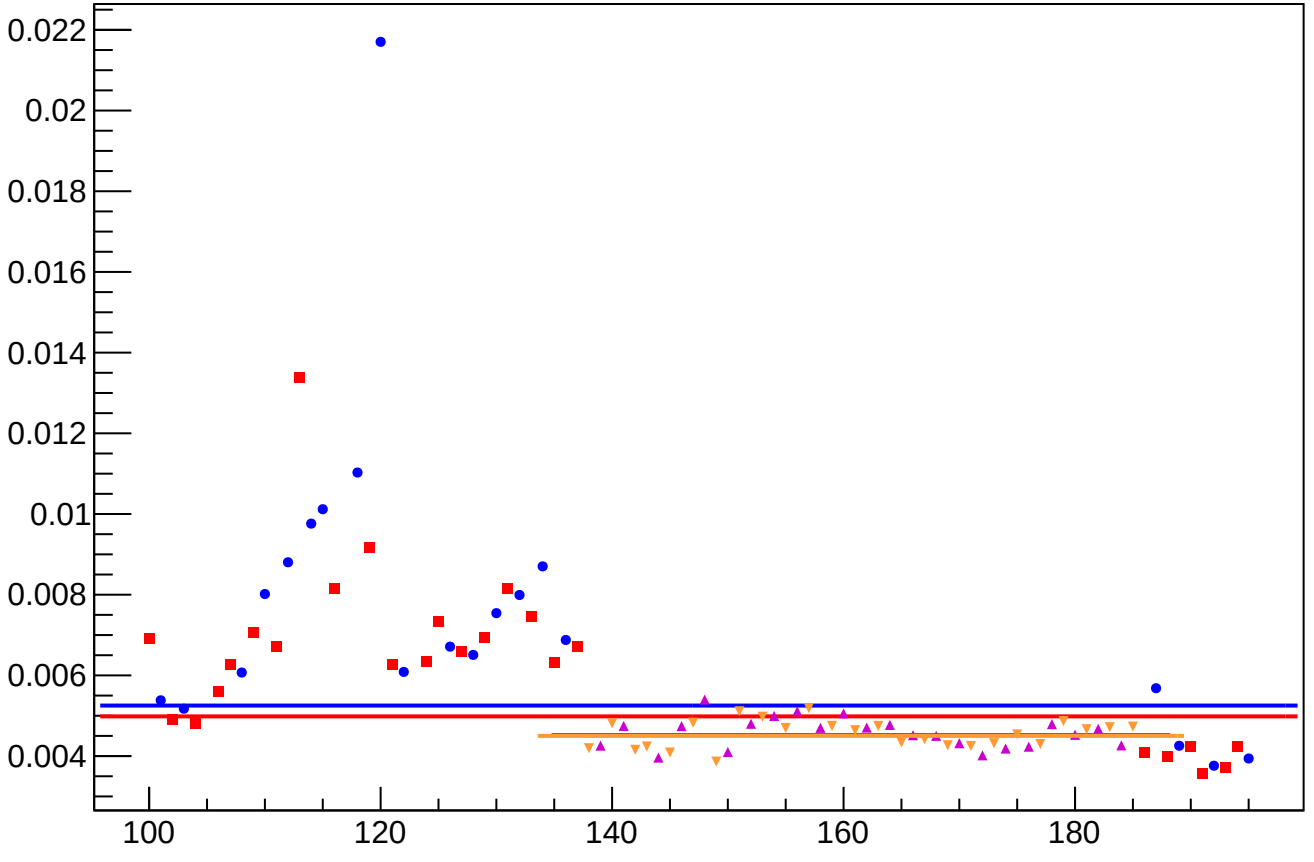
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.635+/-0.000 χ^2/NDF: 176279863718.8/44

All: -0.667+/-0.000 χ^2/NDF: 447191290346.3

- sign -0.697+/-0.000 χ^2/NDF: 268681921339.8/47

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

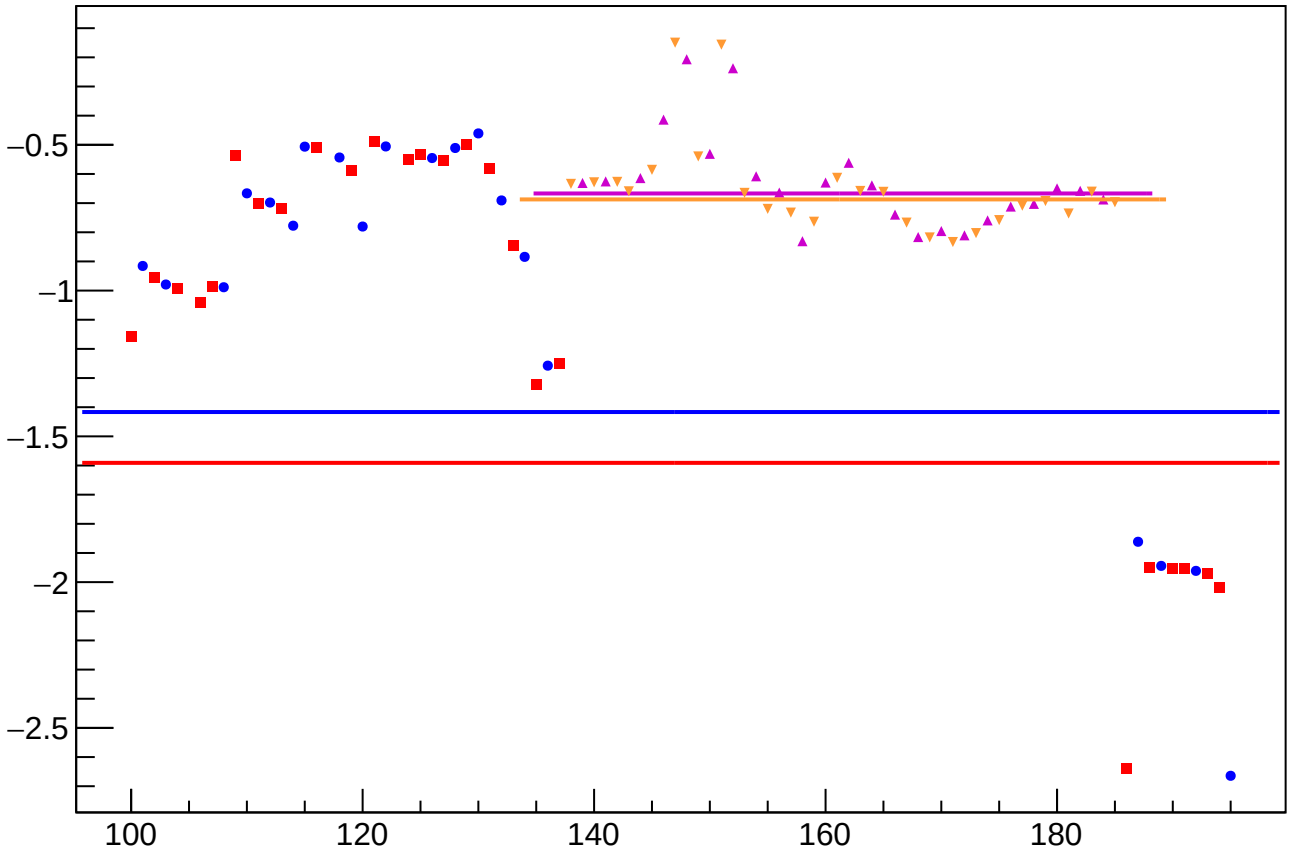
Right Out: 0.005+/-0.000 χ^2/NDF: 1531202.6/24

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: 3962238.3/92

- sign 0.005+/-0.000 χ^2/NDF: 1849848.4/47



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: -1.591+/-0.000 χ^2/NDF: 222045620316.0/24

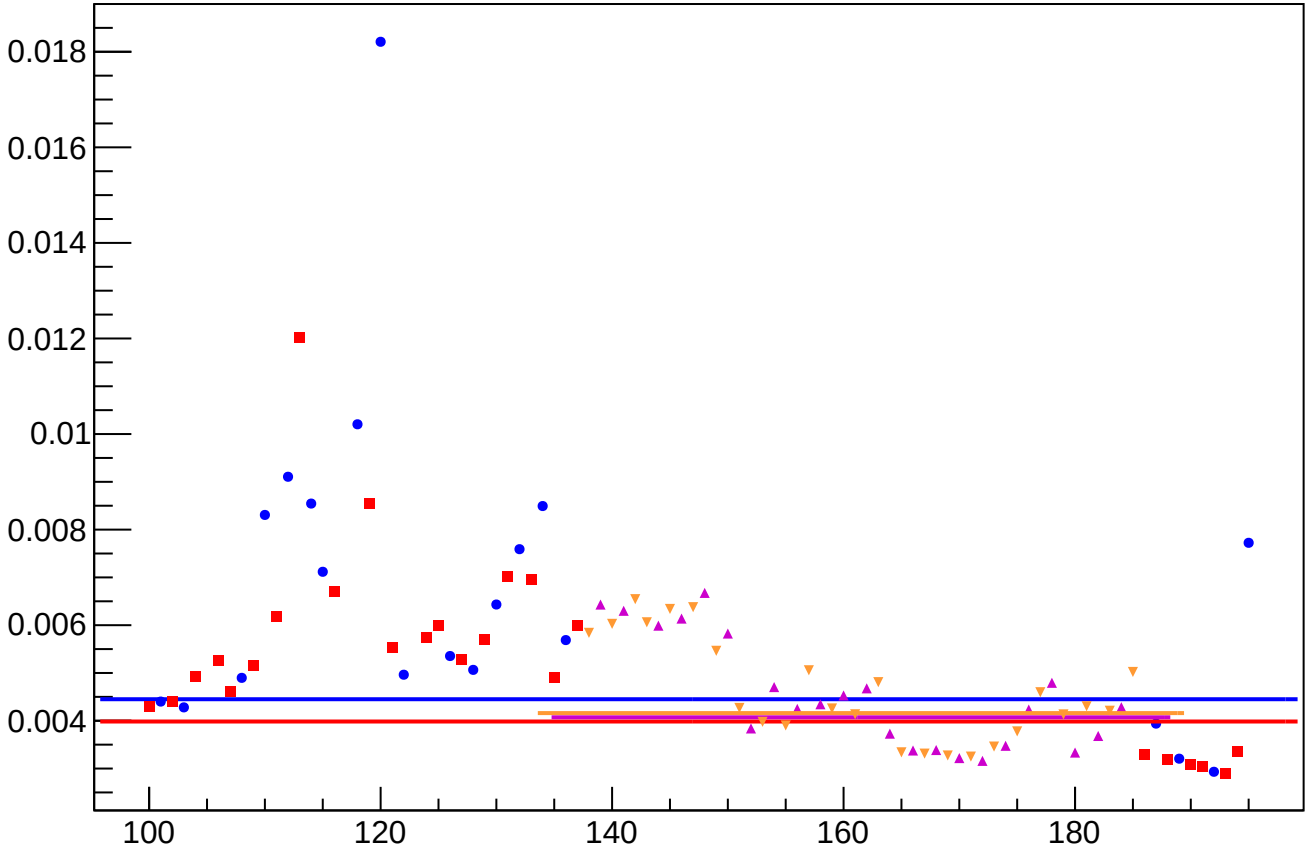
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.890+/-0.000 χ^2/NDF: 313876943657.5/44

All: -0.951+/-0.000 χ^2/NDF: 866335977892.8

- sign -1.006+/-0.000 χ^2/NDF: 542882191386.8/47

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: 1909182.3/24

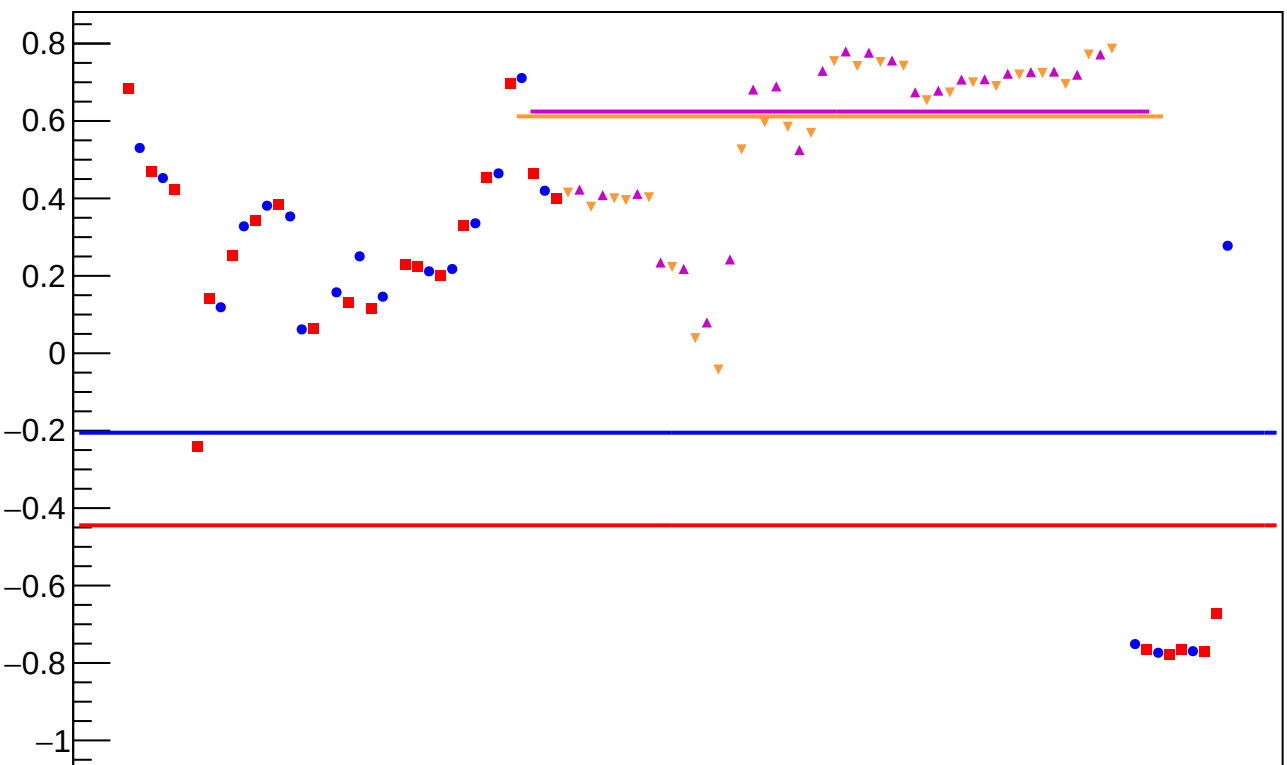
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3887931.4/44

All: 0.004+/-0.000 χ^2/NDF: 7609874.8/92

- sign 0.004+/-0.000 χ^2/NDF: 3664953.1/47

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: -0.444+/-0.000 χ^2/NDF: 380300426501.2/24

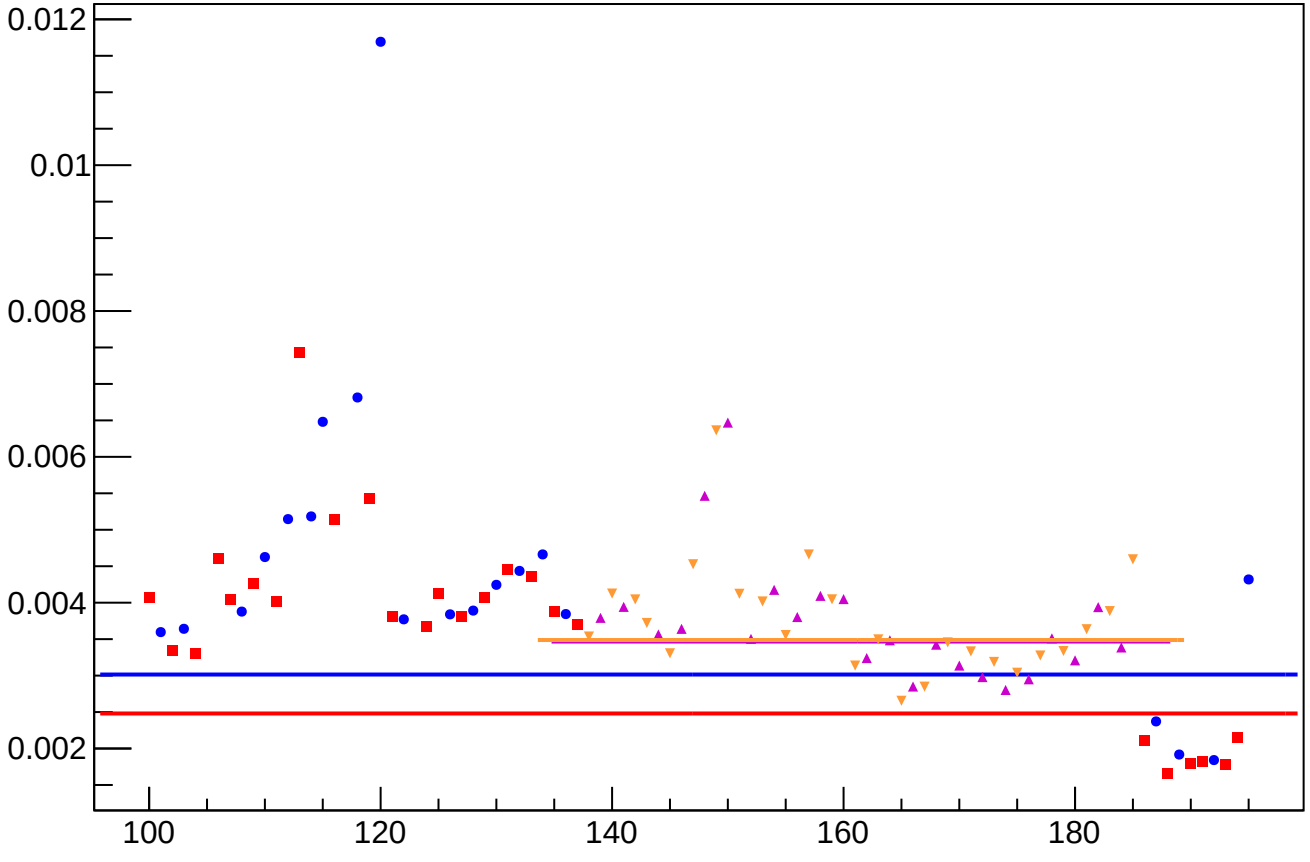
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.299+/-0.000 χ^2/NDF: 650367579236.1/44

All: 0.174+/-0.000 χ^2/NDF: 1879102097542.

- sign 0.072+/-0.000 χ^2/NDF: 1168386132334.9/47

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

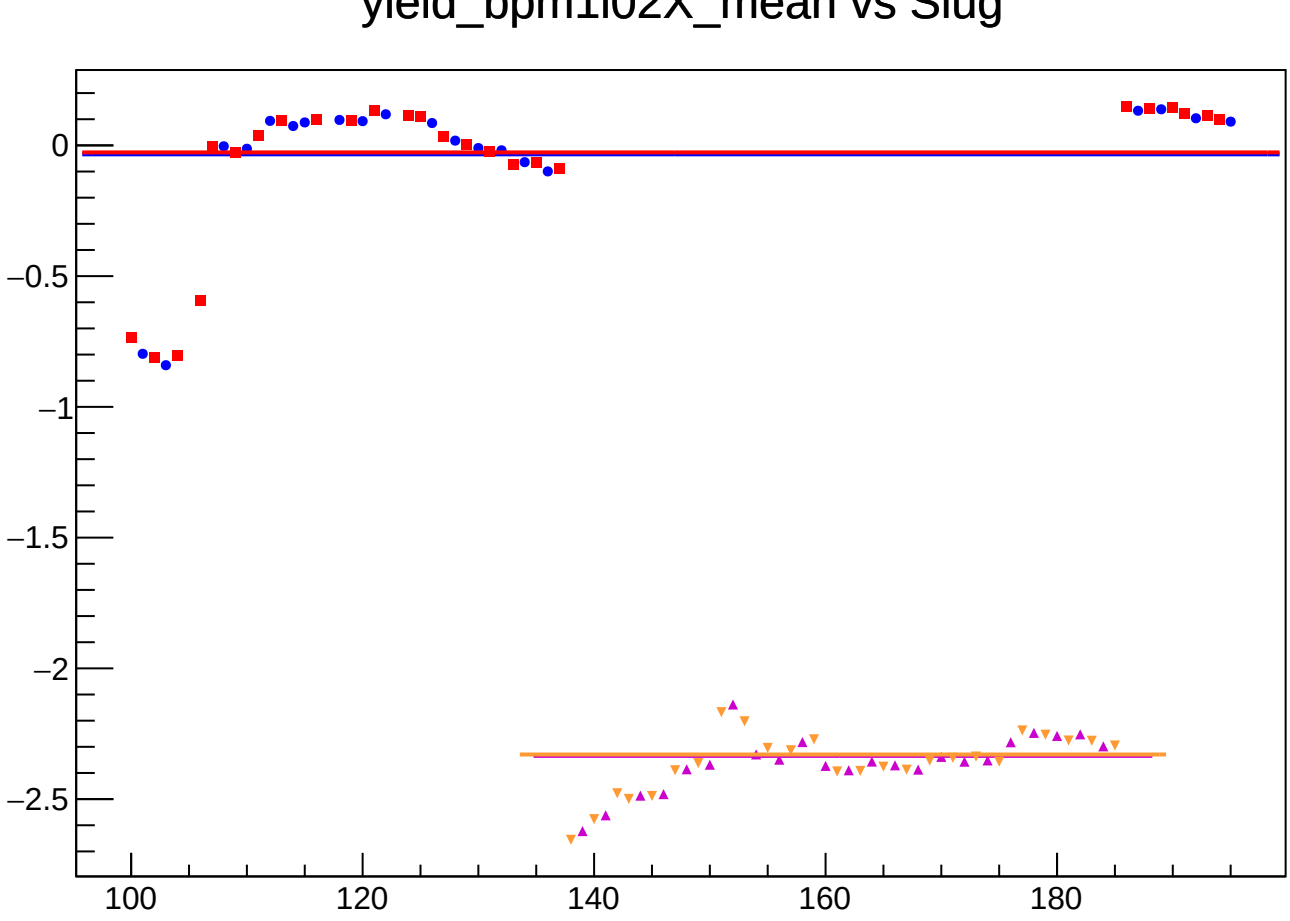
Right Out: 0.002+/-0.000 χ^2/NDF: 2963635.2/24

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: 9028289.7/92

- sign 0.003+/-0.000 χ^2/NDF: 5131119.2/47



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: -0.027+/-0.000 χ^2/NDF: 7530481698.0/24

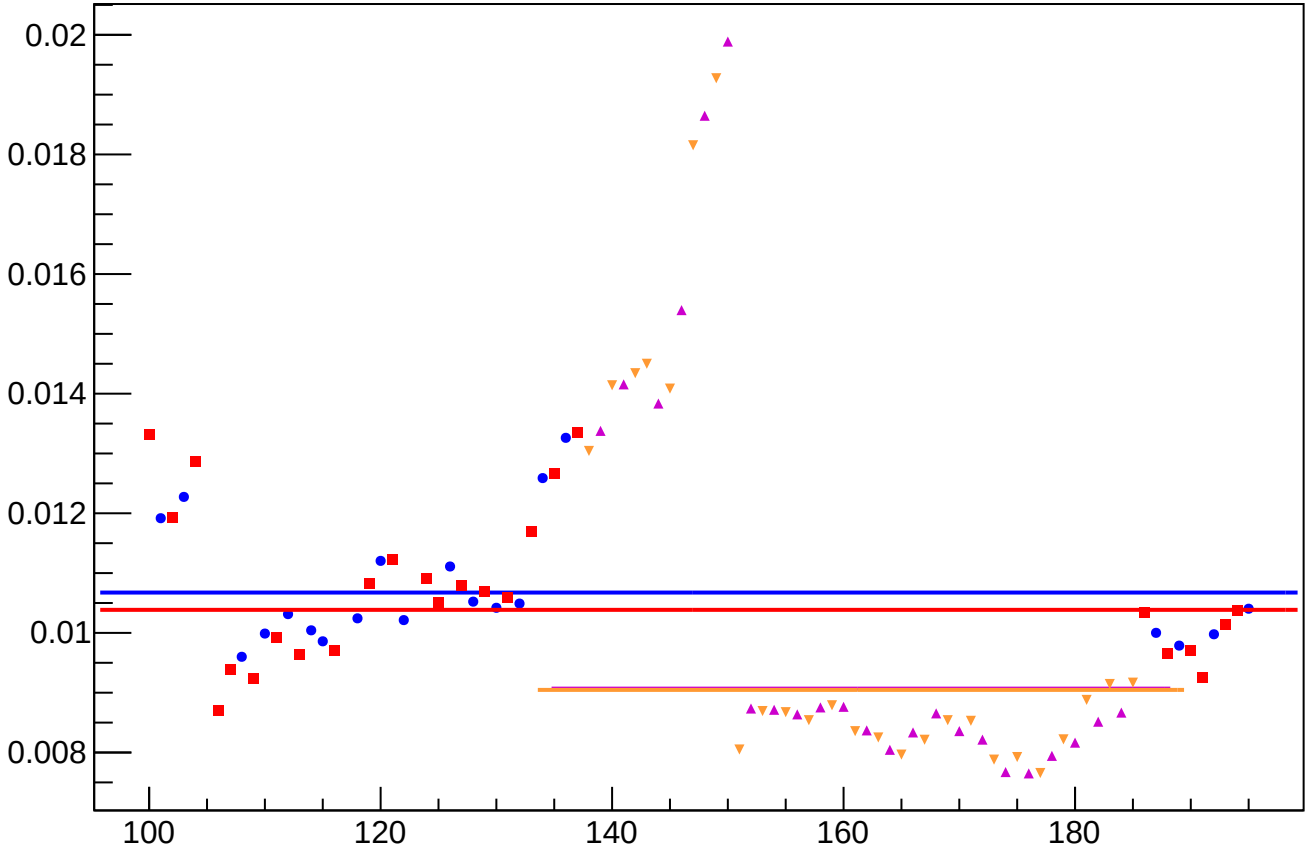
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.696+/-0.000 χ^2/NDF: 331288290687.0/44

All: -1.636+/-0.000 χ^2/NDF: 707285910298.9

- sign -1.577+/-0.000 χ^2/NDF: 373834030772.7/47

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

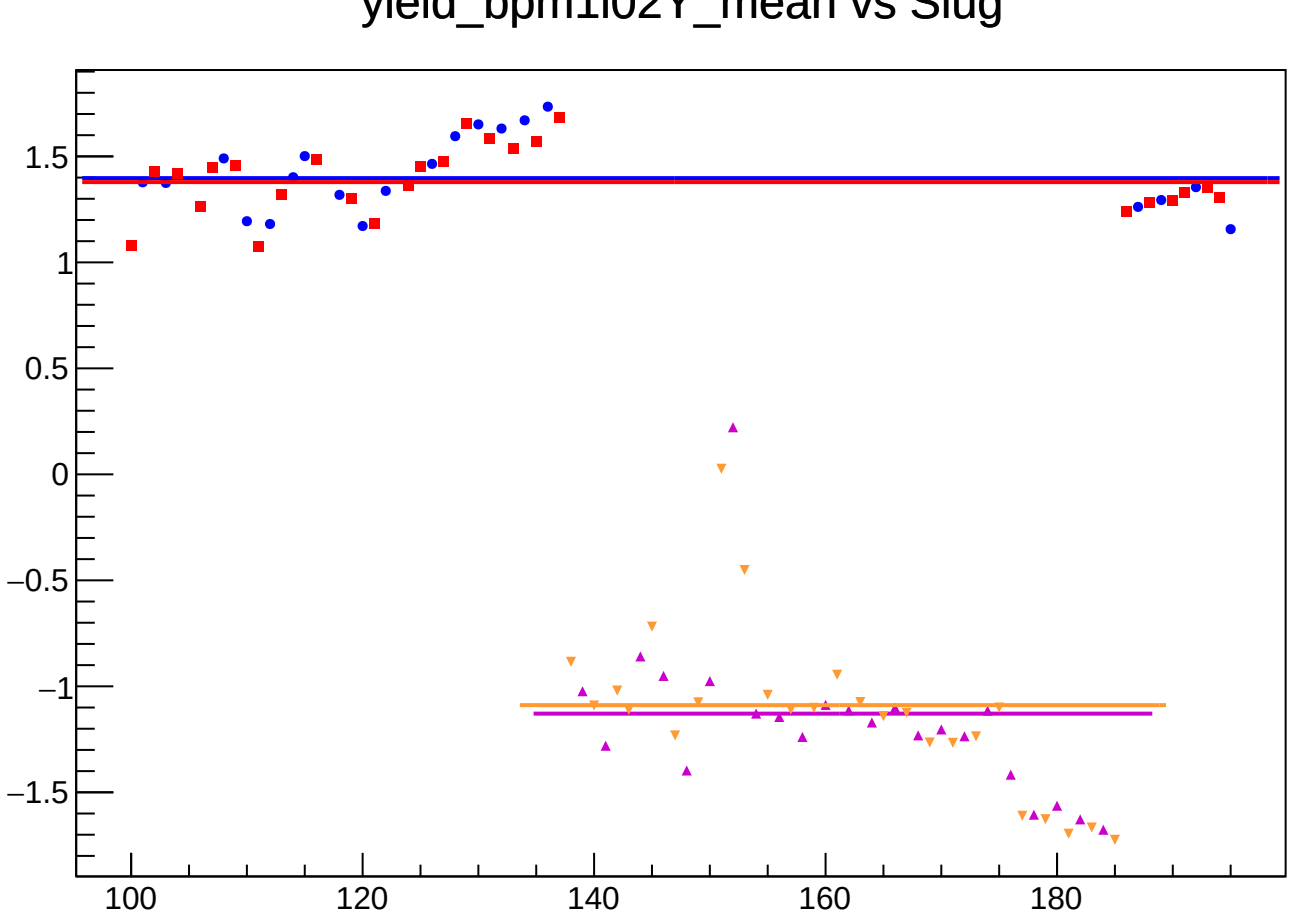
Right Out: 0.010+/-0.000 χ^2/NDF: 220506.9/24

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2538788.6/44

All: 0.009+/-0.000 χ^2/NDF: 5131114.4/92

- sign 0.010+/-0.000 χ^2/NDF: 2592320.7/47



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: 1.379+/-0.000 χ^2/NDF: 3449781854.1/24

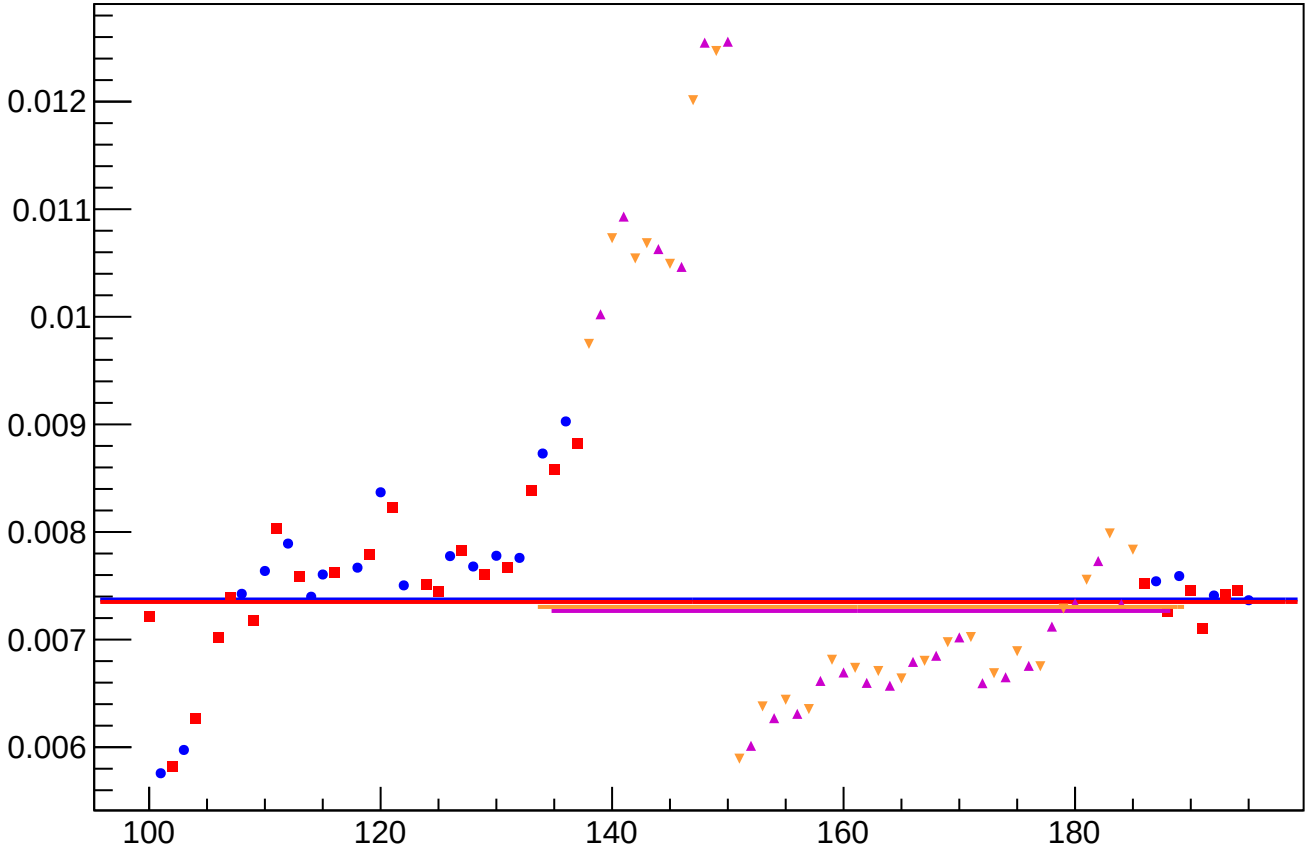
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.250+/-0.000 χ^2/NDF: 788915891737.2/44

All: -0.211+/-0.000 χ^2/NDF: 1644880853667

- sign -0.174+/-0.000 χ^2/NDF: 854447430075.7/47

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: 197406.8/24

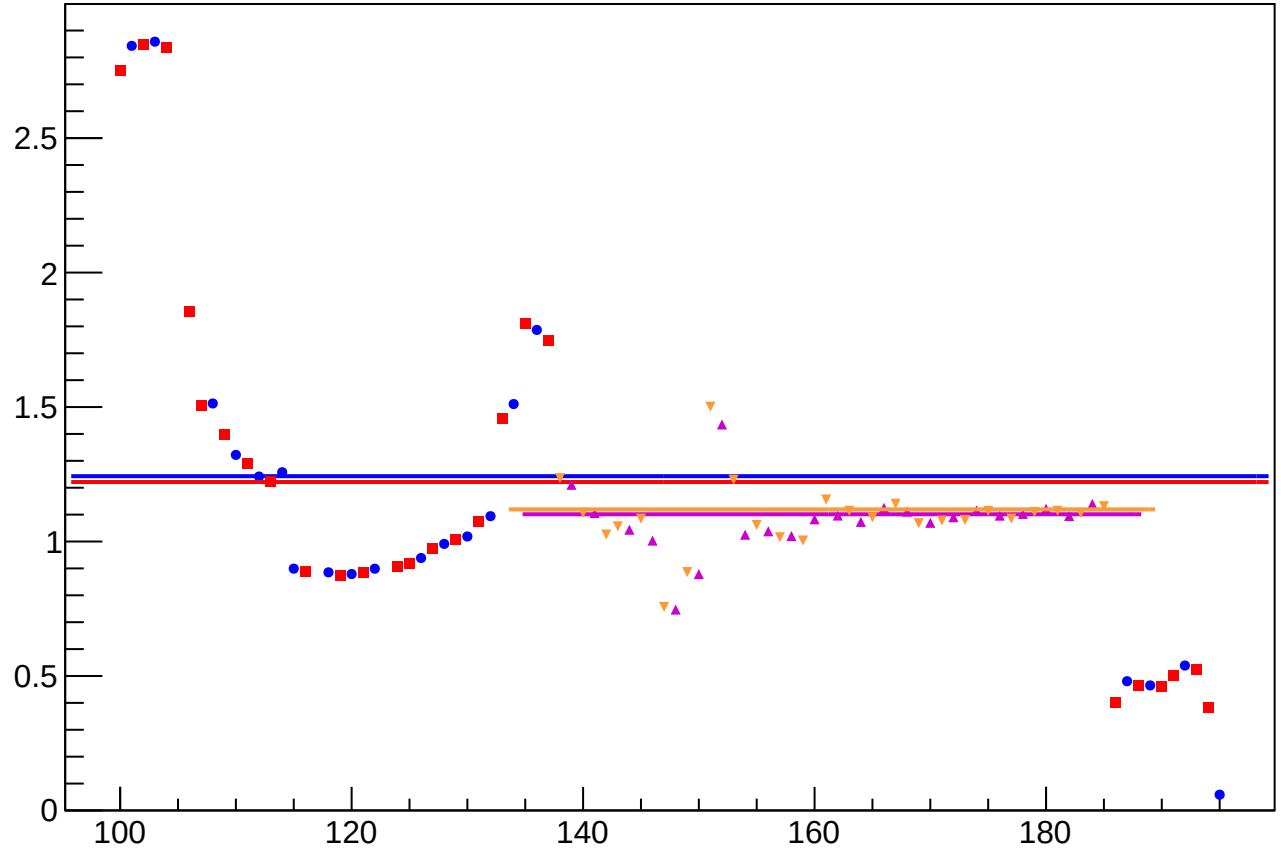
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777317.8/44

All: 0.007+/-0.000 χ^2/NDF: 3537011.6/92

- sign 0.007+/-0.000 χ^2/NDF: 1759256.1/47

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: 1.221+/-0.000 χ^2/NDF: 81637497347.3/24

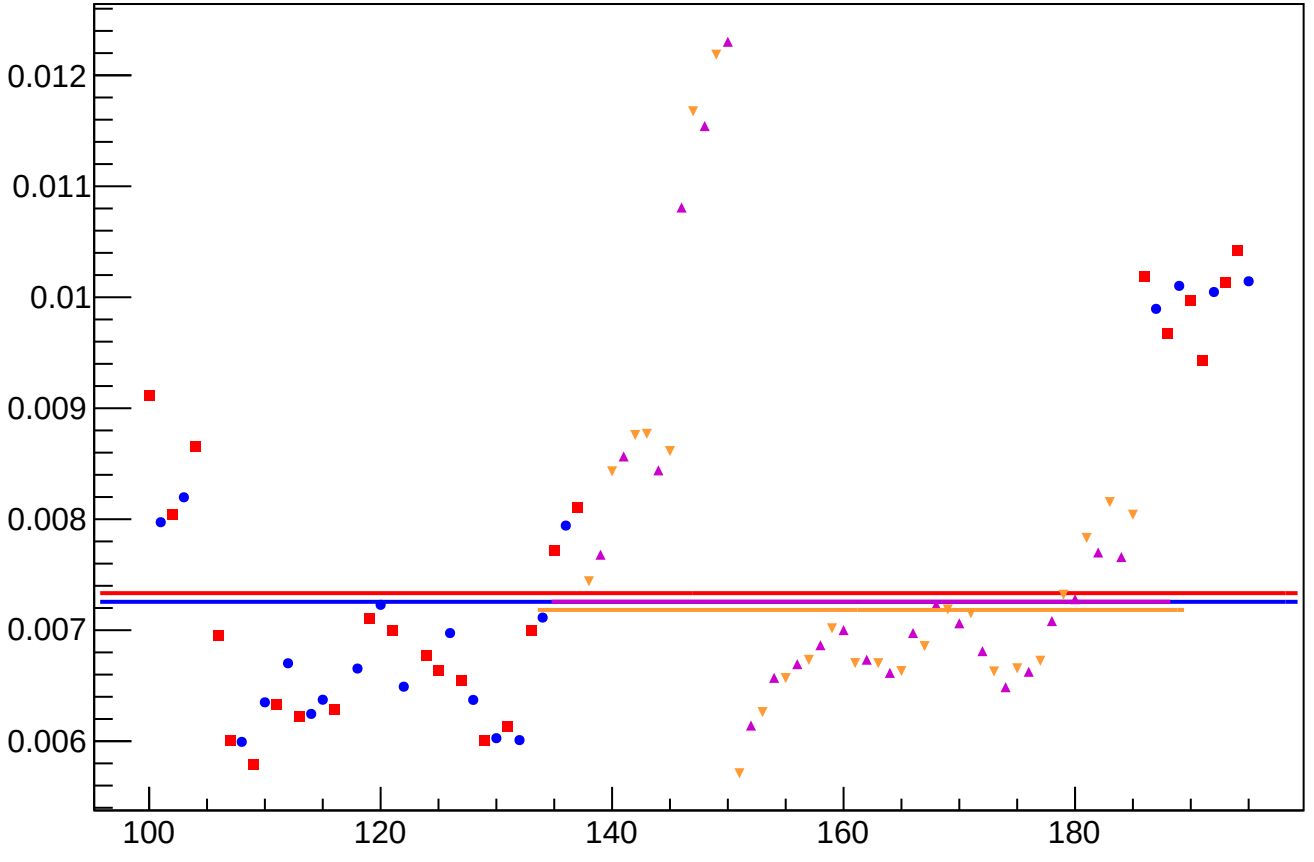
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.161+/-0.000 χ^2/NDF: 90026381823.2/44

All: 1.153+/-0.000 χ^2/NDF: 177707628956.2

- sign 1.146+/-0.000 χ^2/NDF: 87624051647.0/47

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: 840728.2/24

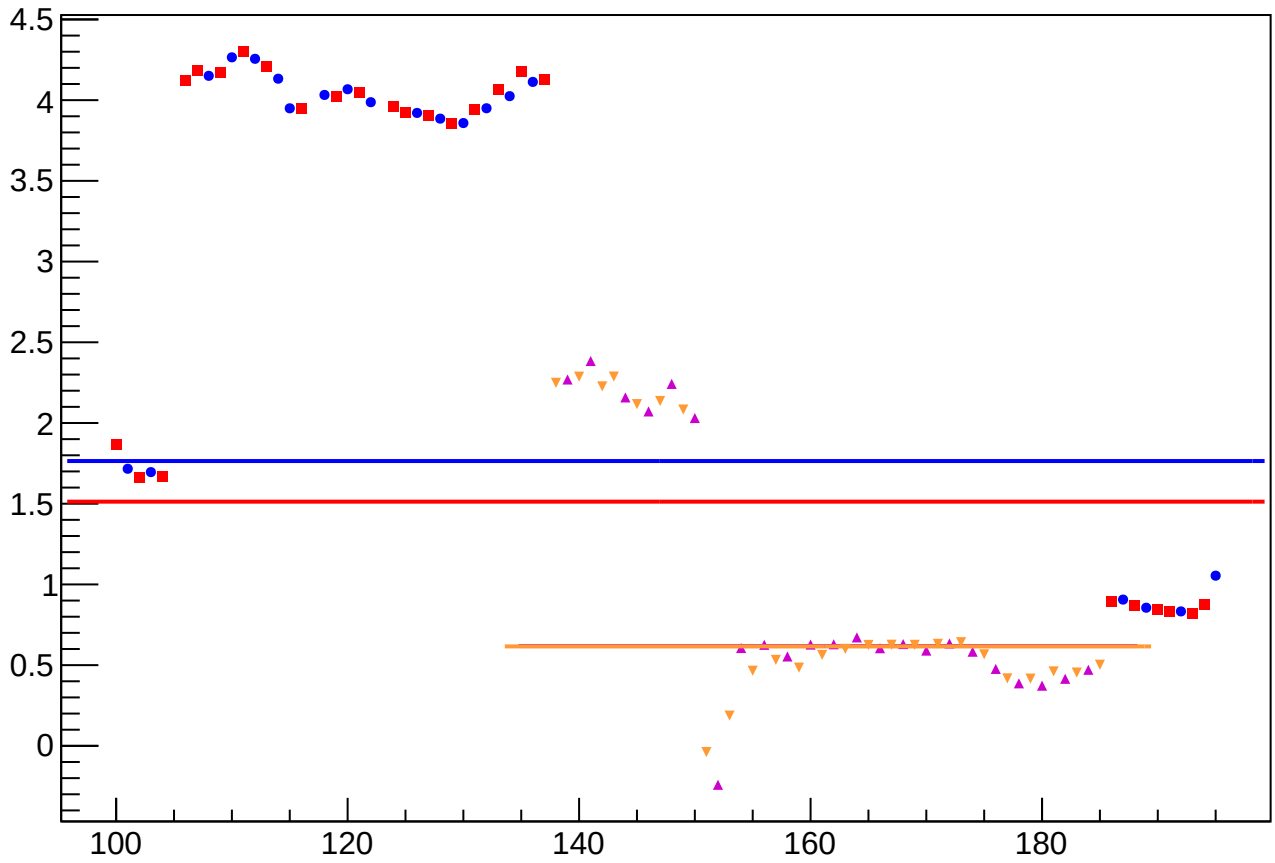
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1526172.8/44

All: 0.007+/-0.000 χ^2/NDF: 3288384.3/92

- sign 0.007+/-0.000 χ^2/NDF: 1758910.1/47

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: 1.513+/-0.000 χ^2/NDF: 1627678553792.7/24

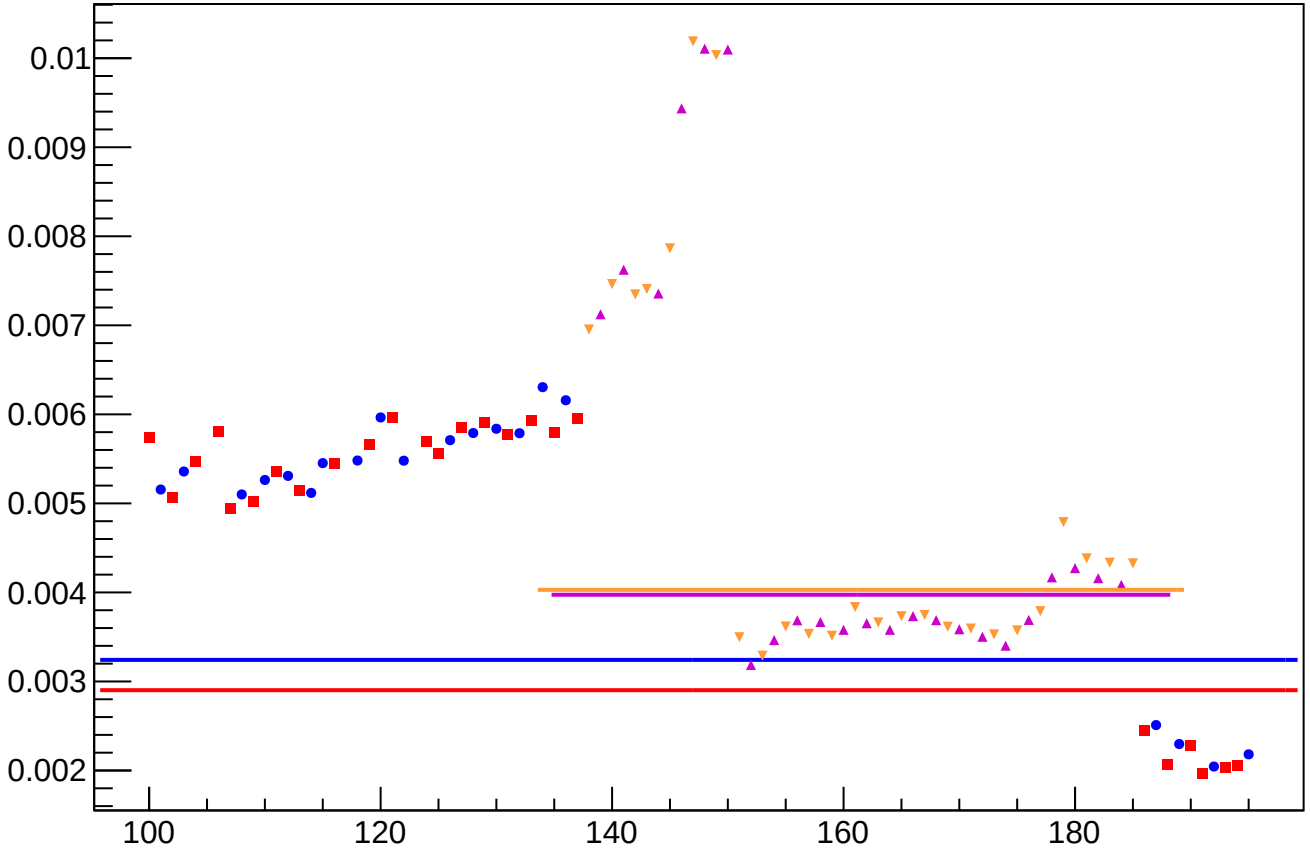
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.084+/-0.000 χ^2/NDF: 2154237135688.7/44

All: 1.073+/-0.000 χ^2/NDF: 4445427110231.

- sign 1.063+/-0.000 χ^2/NDF: 2290768528934.6/47

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: 4362871.5/24

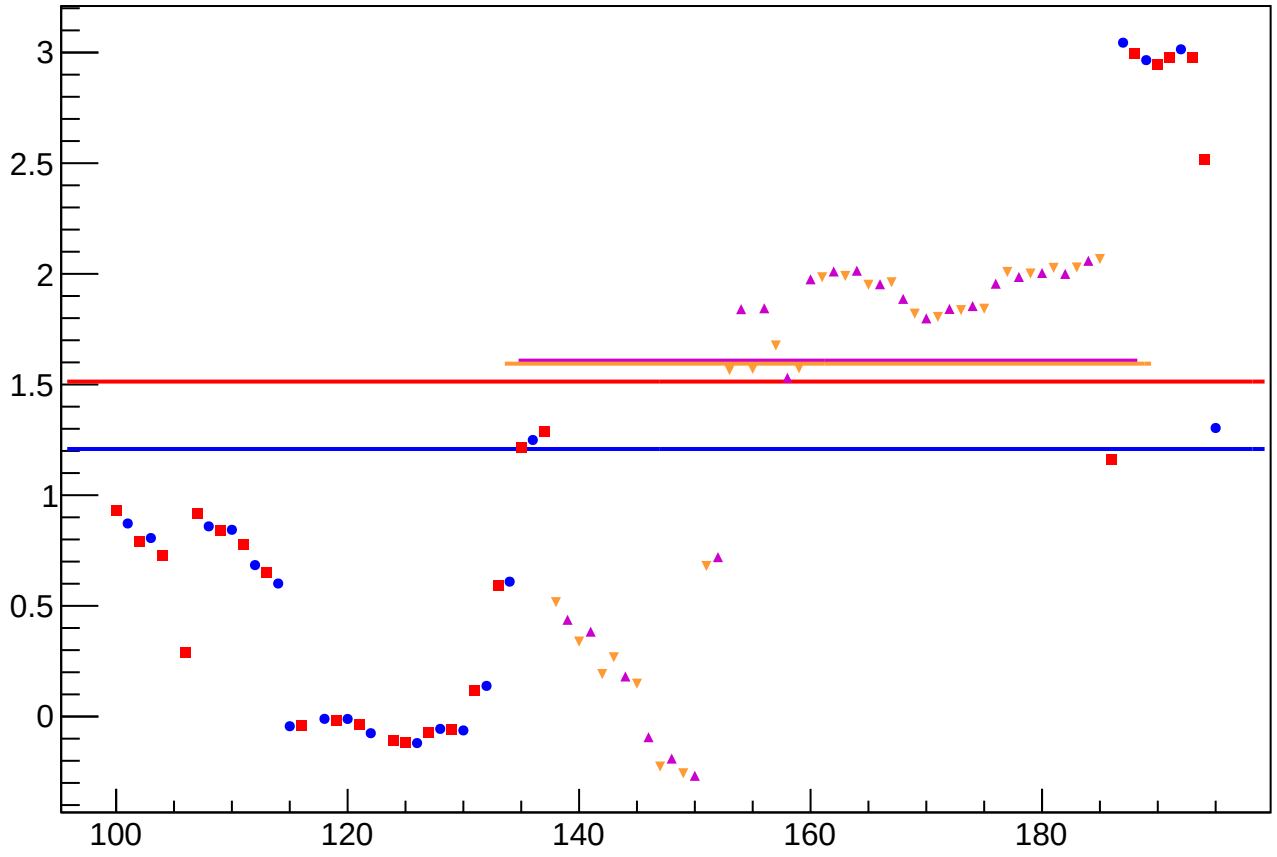
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 7245279.2/44

All: 0.004+/-0.000 χ^2/NDF: 16040693.5/92

- sign 0.003+/-0.000 χ^2/NDF: 8658884.2/47

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: 1.513+/-0.000 χ^2/NDF: 102477362193.3/24

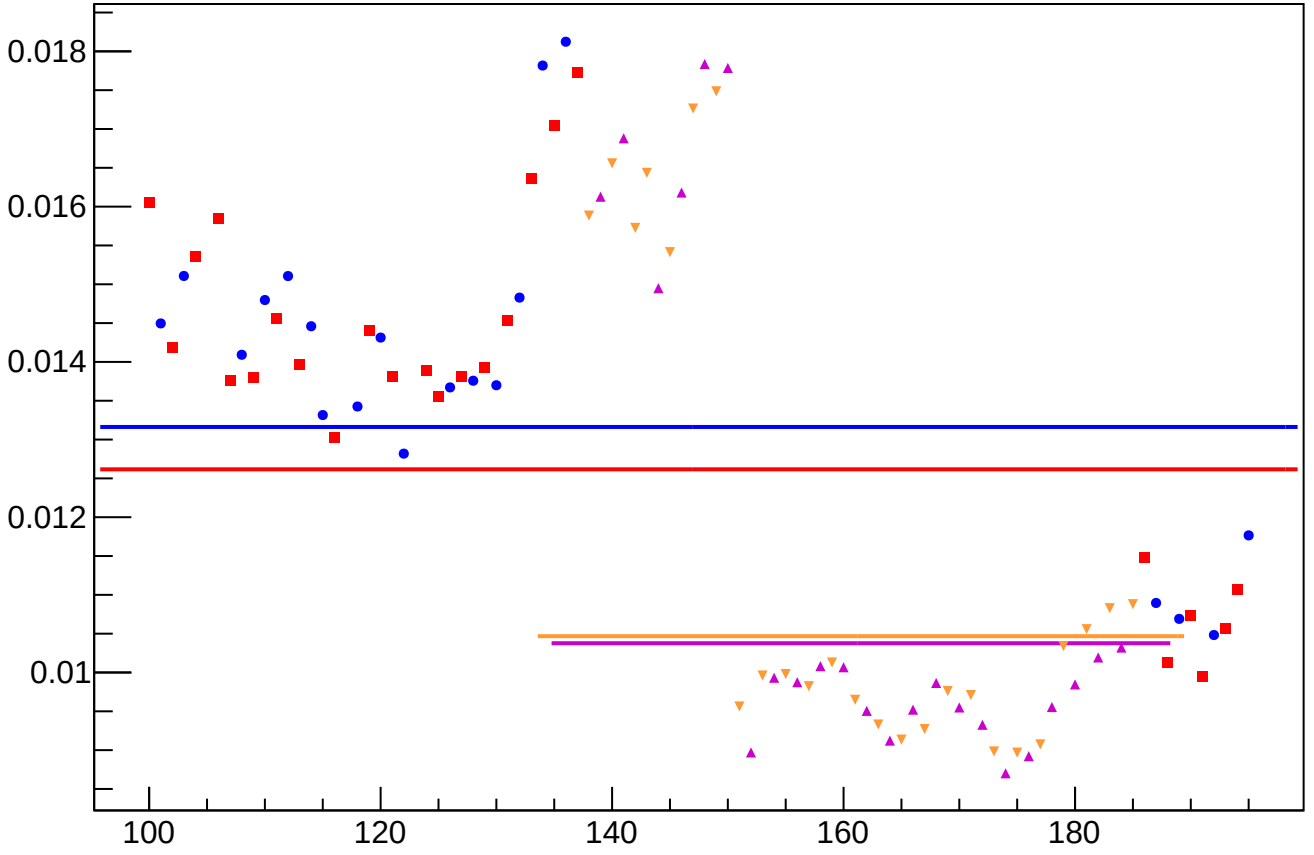
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.499+/-0.000 χ^2/NDF: 146194627965.9/44

All: 1.540+/-0.000 χ^2/NDF: 316233885963.5

- sign 1.580+/-0.000 χ^2/NDF: 169304164642.1/47

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

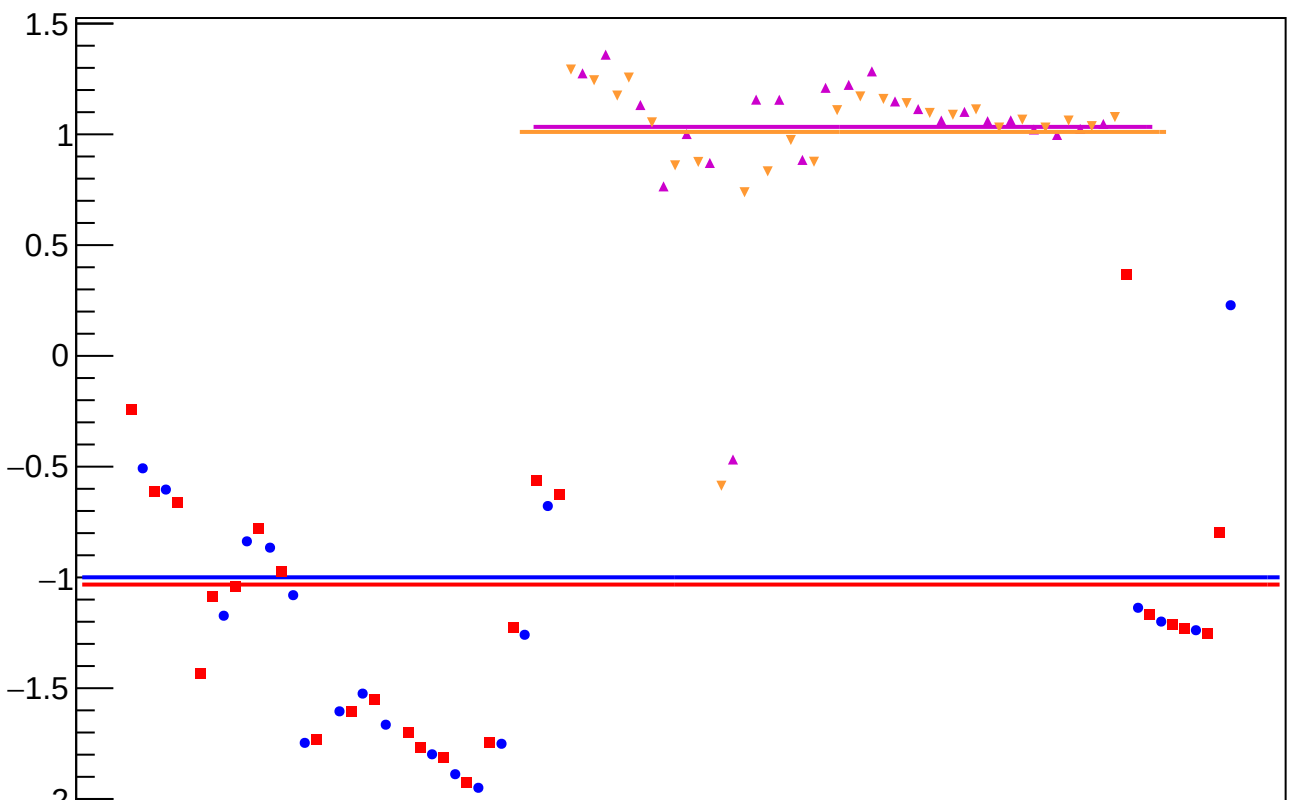
Right Out: 0.013+/-0.000 χ^2/NDF: 587672.1/24

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: 5517610.9/92

- sign 0.011+/-0.000 χ^2/NDF: 2771649.4/47



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: -1.032+/-0.000 χ^2/NDF: 69374674305.9/24

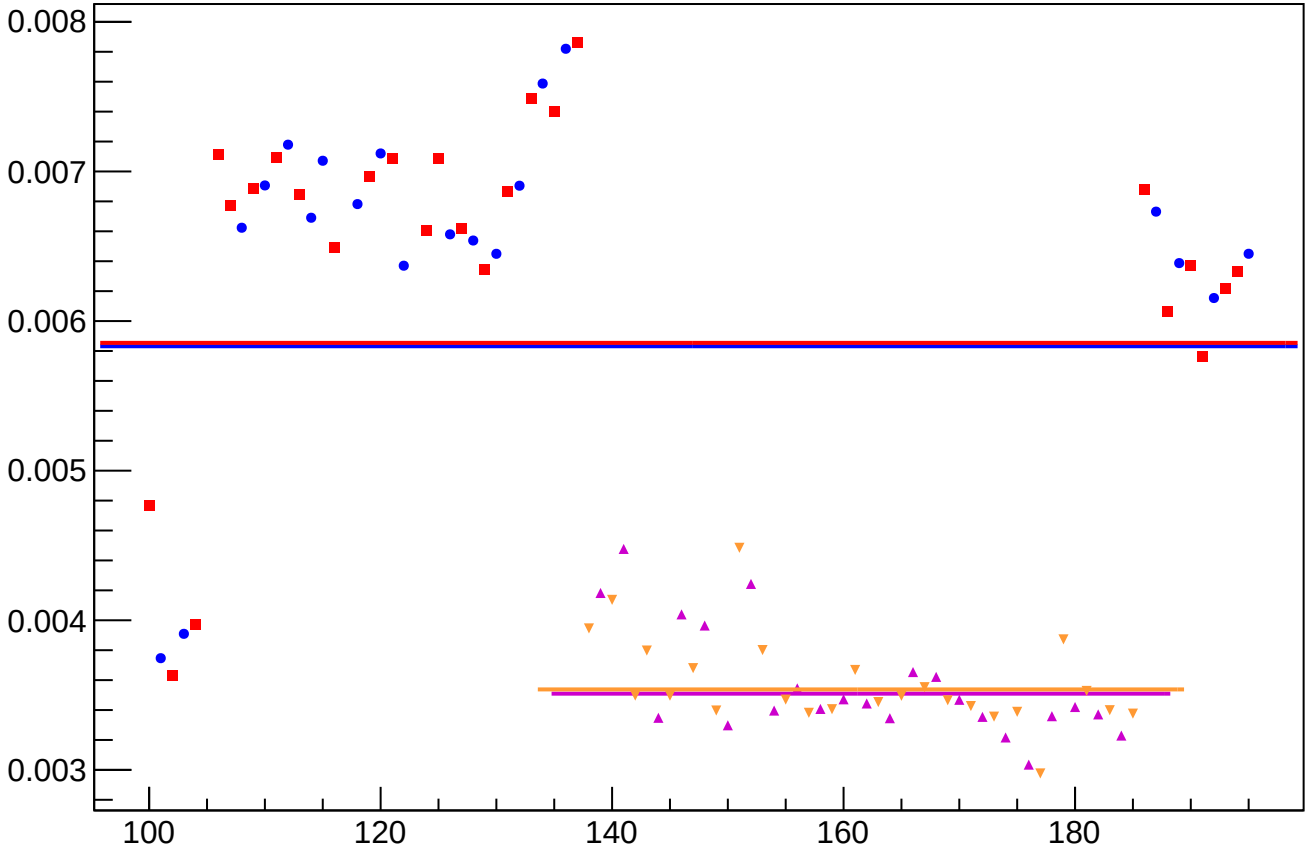
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.698+/-0.000 χ^2/NDF: 1087201387740.6/44

All: 0.683+/-0.000 χ^2/NDF: 2302274909590.

- sign 0.667+/-0.000 χ^2/NDF: 1214252718992.1/47

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: 1031623.2/24

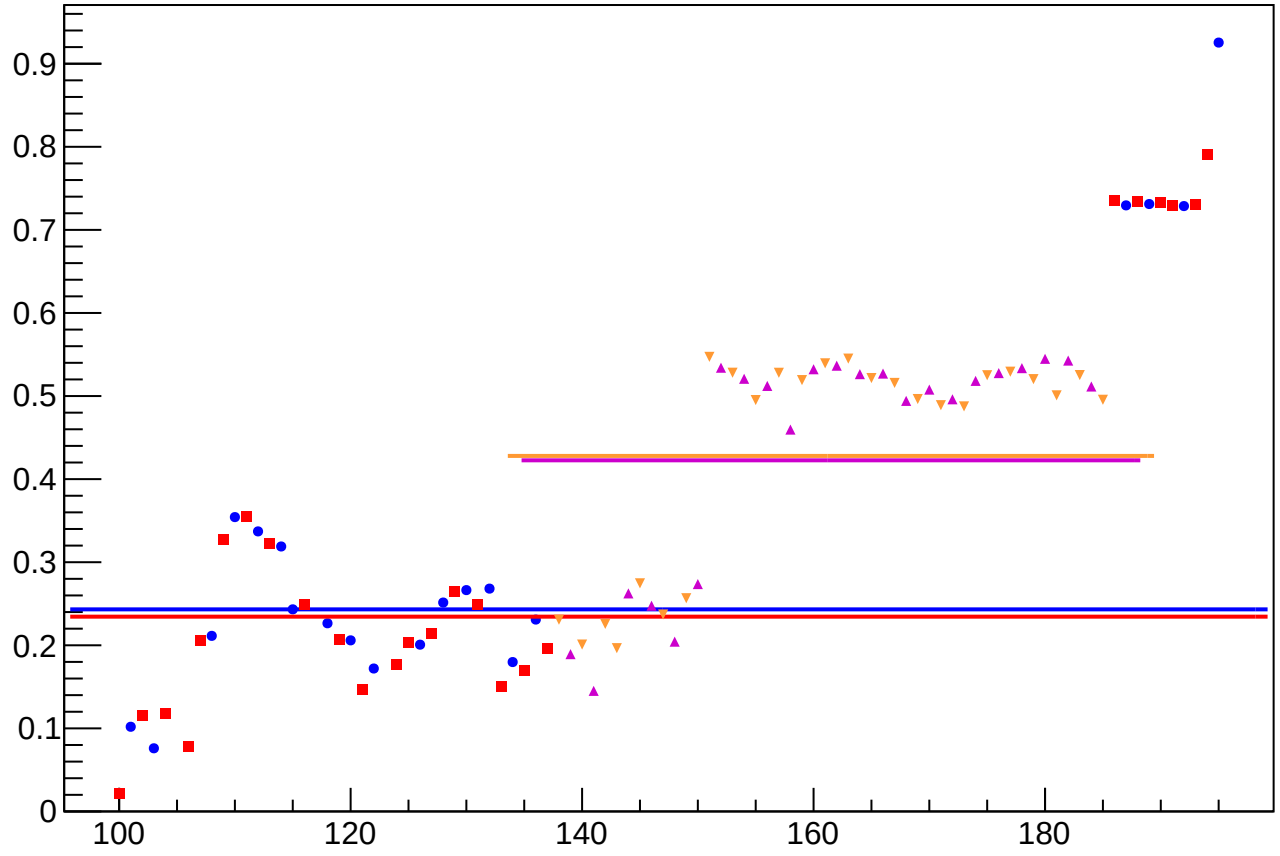
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

\+ sign 0.004+/-0.000 χ^2/NDF: 3503175.6/44

All: 0.004+/-0.000 χ^2/NDF: 7448186.4/92

\- sign 0.004+/-0.000 χ^2/NDF: 3943381.6/47

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: 0.234+/-0.000 χ^2/NDF: 84034275051.6/24

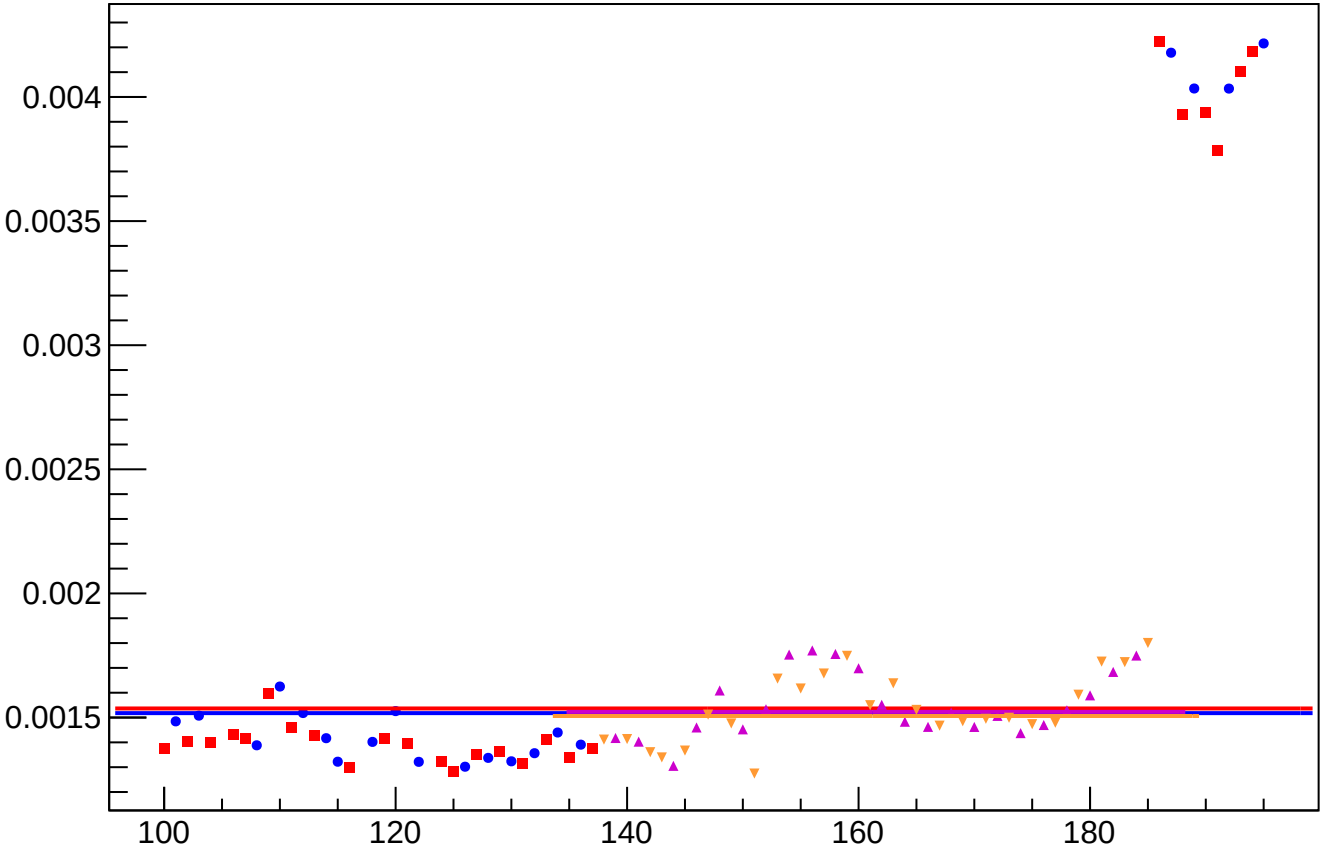
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.372+/-0.000 χ^2/NDF: 306524344323.7/44

All: 0.365+/-0.000 χ^2/NDF: 643413380559.4

- sign 0.358+/-0.000 χ^2/NDF: 335810122454.9/47

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

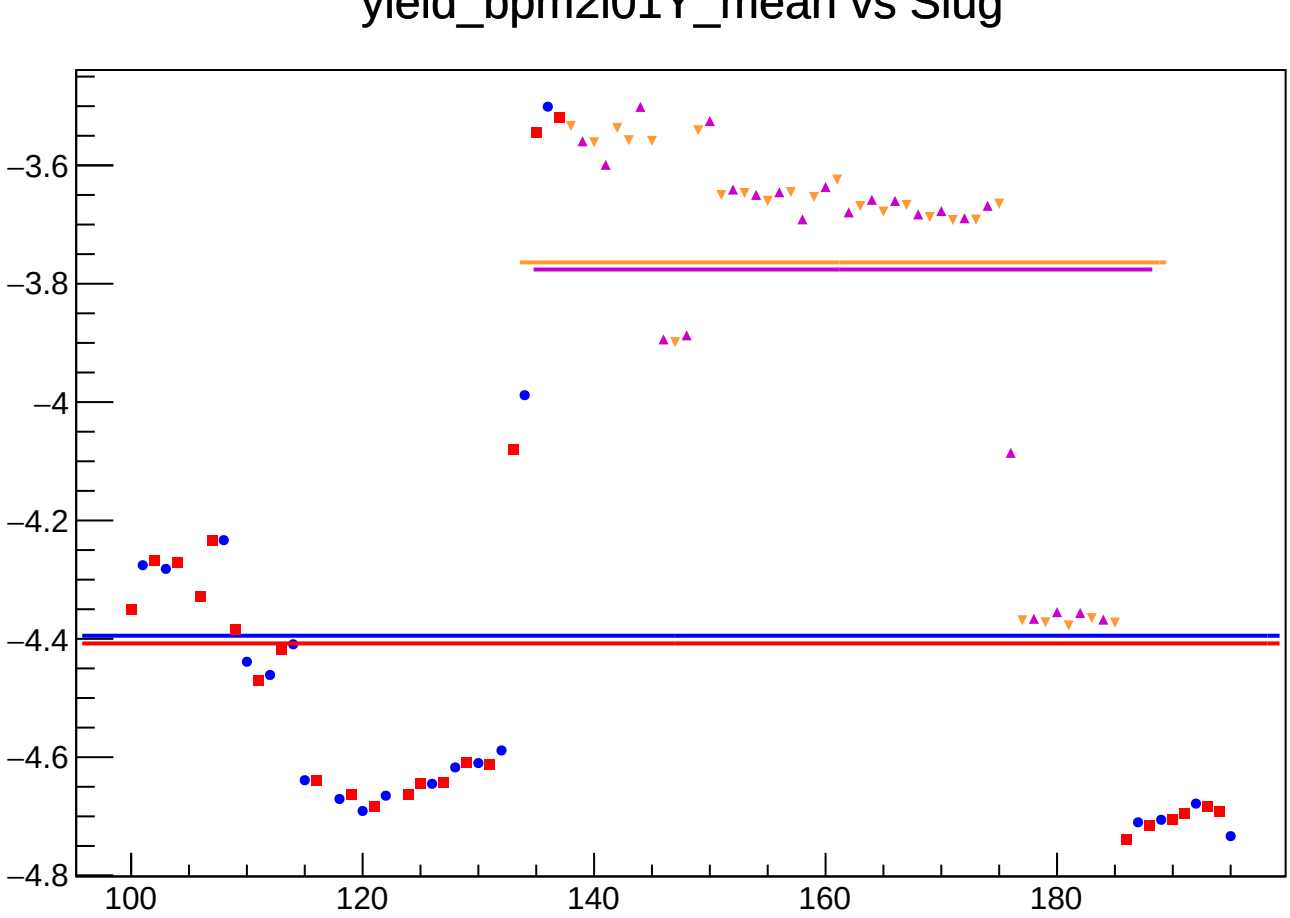
Right Out: 0.002+/-0.000 χ^2/NDF: 2993882.2/24

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: 5675319.1/92

- sign 0.002+/-0.000 χ^2/NDF: 3229548.9/47



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: -4.408+/-0.000 χ^2/NDF: 330845757255.8/24

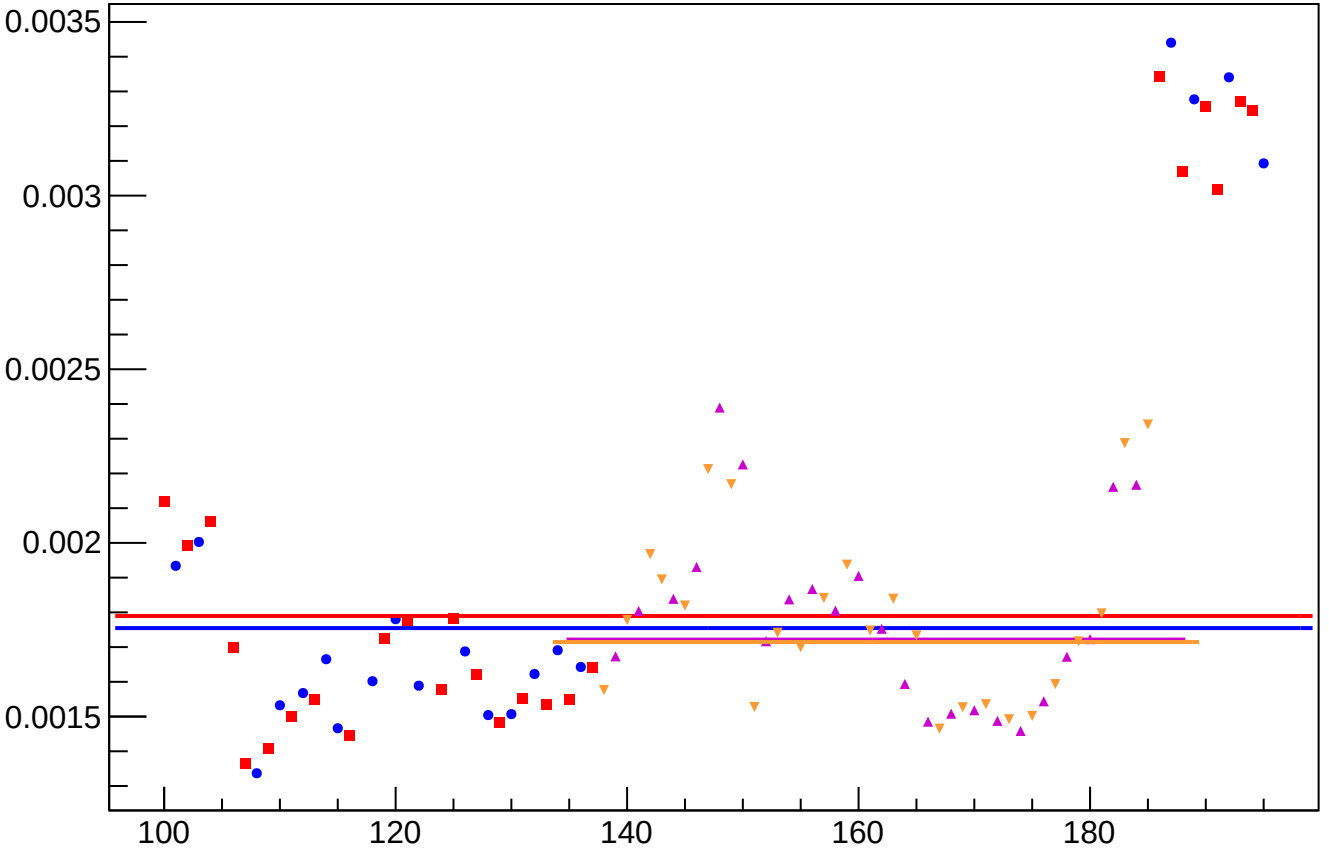
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.961+/-0.000 χ^2/NDF: 1643839819934.1/4

All: -3.977+/-0.000 χ^2/NDF: 3194656617546

- sign -3.993+/-0.000 χ^2/NDF: 1546063808241.7/47

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: 1758611.1/24

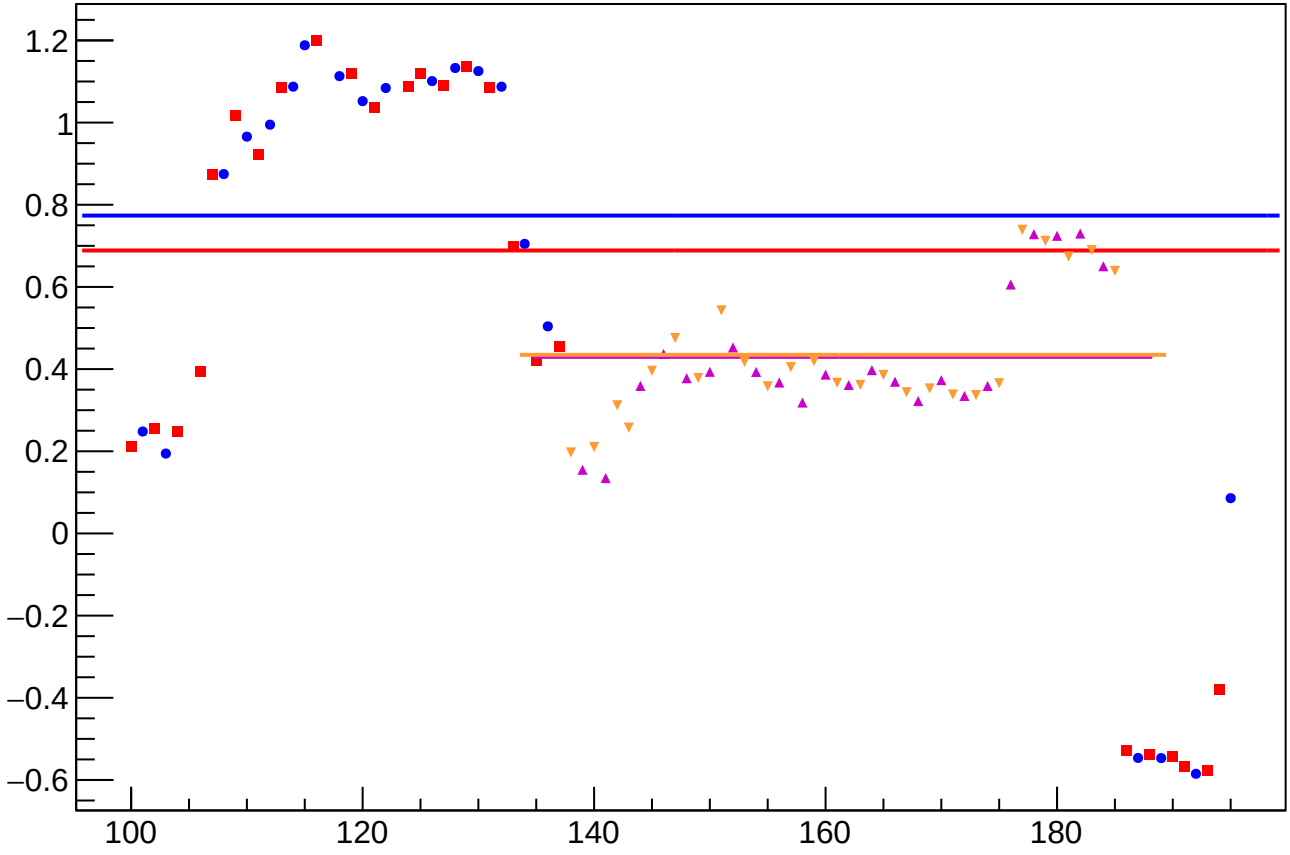
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1855853.1/44

All: 0.002+/-0.000 χ^2/NDF: 4218011.7/92

- sign 0.002+/-0.000 χ^2/NDF: 2359258.4/47

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: 0.689+/-0.000 χ^2/NDF: 73869003148.9/24

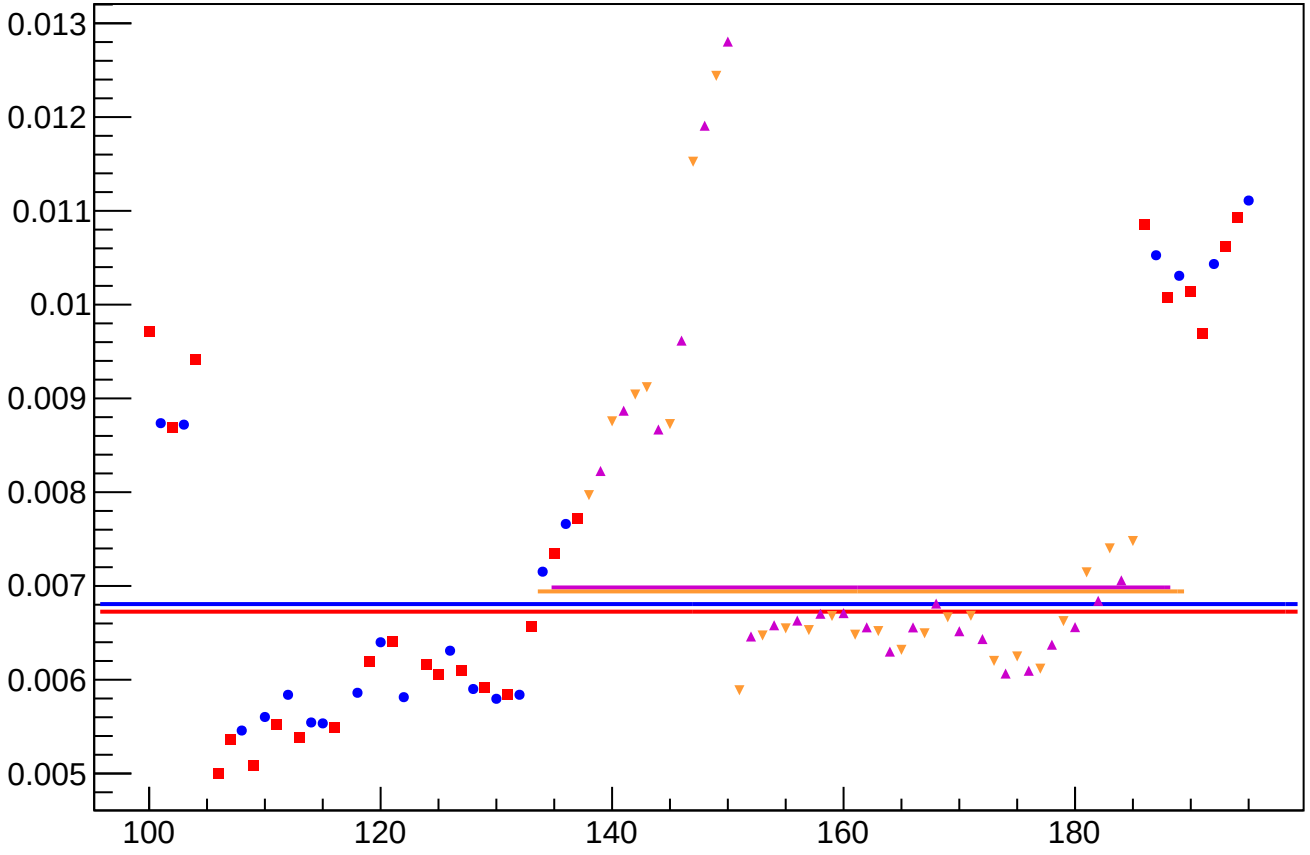
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.549+/-0.000 χ^2/NDF: 73285457364.7/44

All: 0.540+/-0.000 χ^2/NDF: 165695941077.6

- sign 0.530+/-0.000 χ^2/NDF: 92300045311.9/47

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

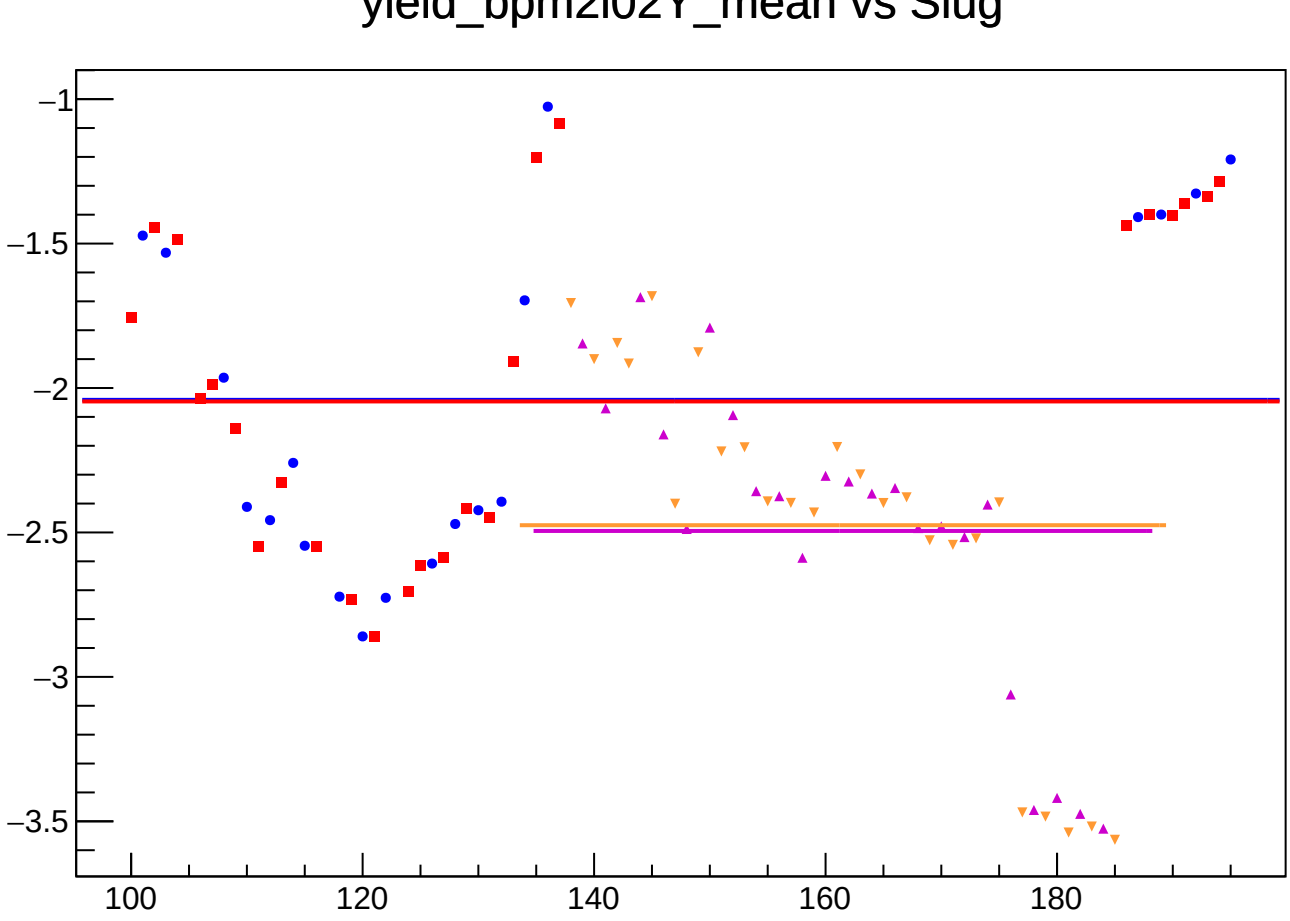
Right Out: 0.007+/-0.000 χ^2/NDF: 1522036.5/24

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: 4856716.0/92

- sign 0.007+/-0.000 χ^2/NDF: 2677234.7/47



Right In: -2.041+/-0.000 χ^2/NDF: 82741040036.8/19

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

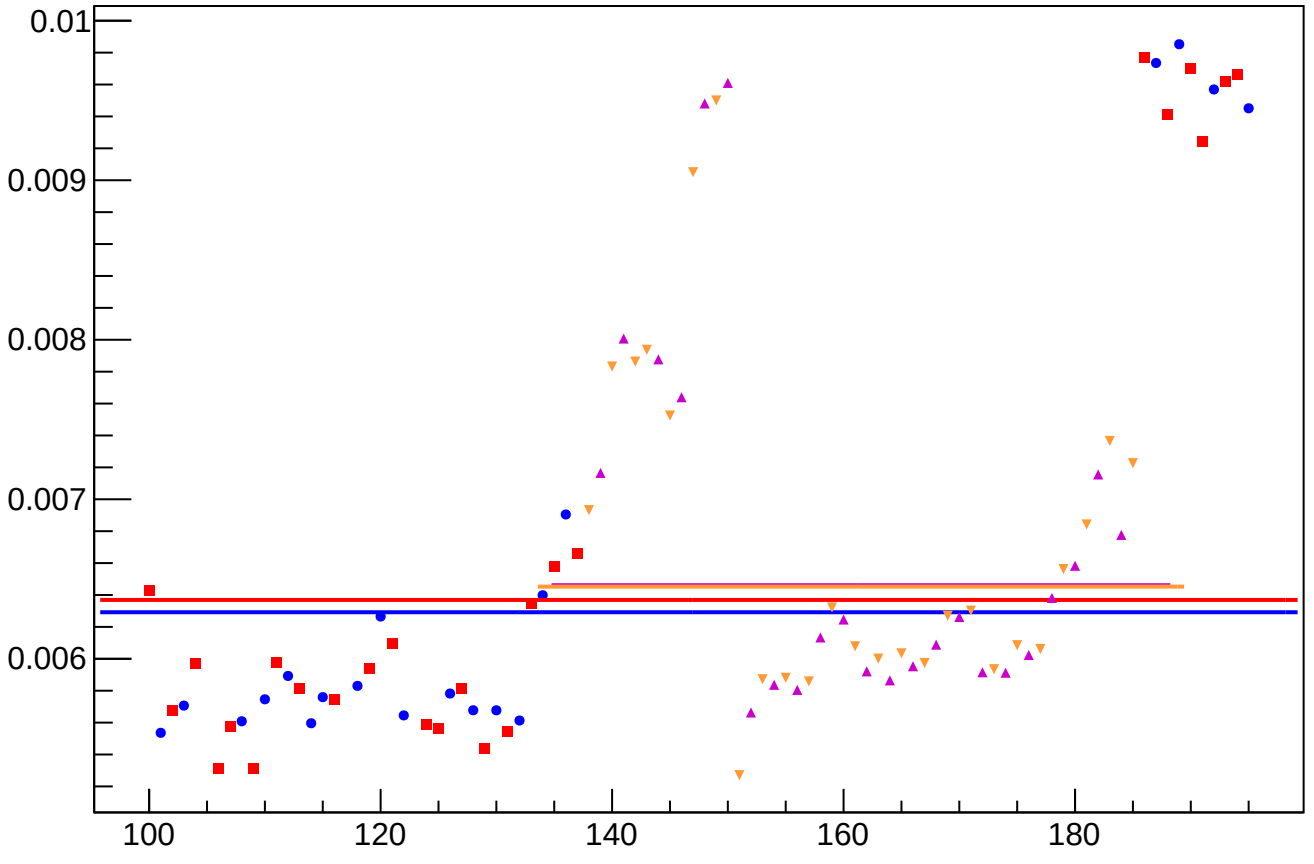
Right Out: -2.046+/-0.000 χ^2/NDF: 79585887355.6/24

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.326+/-0.000 χ^2/NDF: 235047238632.8/44

All: -2.326+/-0.000 χ^2/NDF: 444070981897.3

- sign -2.325+/-0.000 χ^2/NDF: 209023335466.8/47



Right In: 0.006+/-0.000 χ^2/NDF: 743930.7/19

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

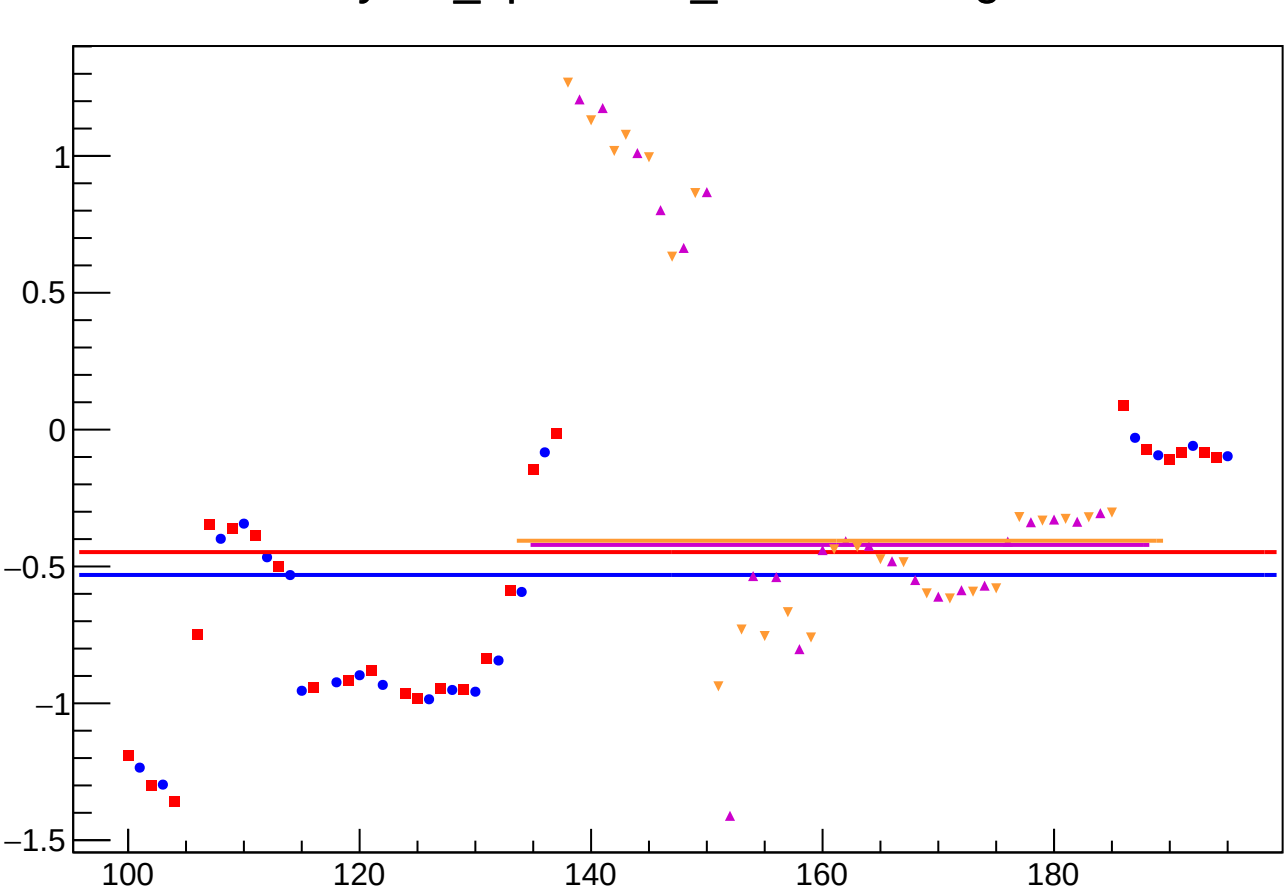
Right Out: 0.006+/-0.000 χ^2/NDF: 1014537.9/24

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: 3203748.6/92

- sign 0.006+/-0.000 χ^2/NDF: 1737955.5/47



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: -0.447+/-0.000 χ^2/NDF: 24941485832.4/24

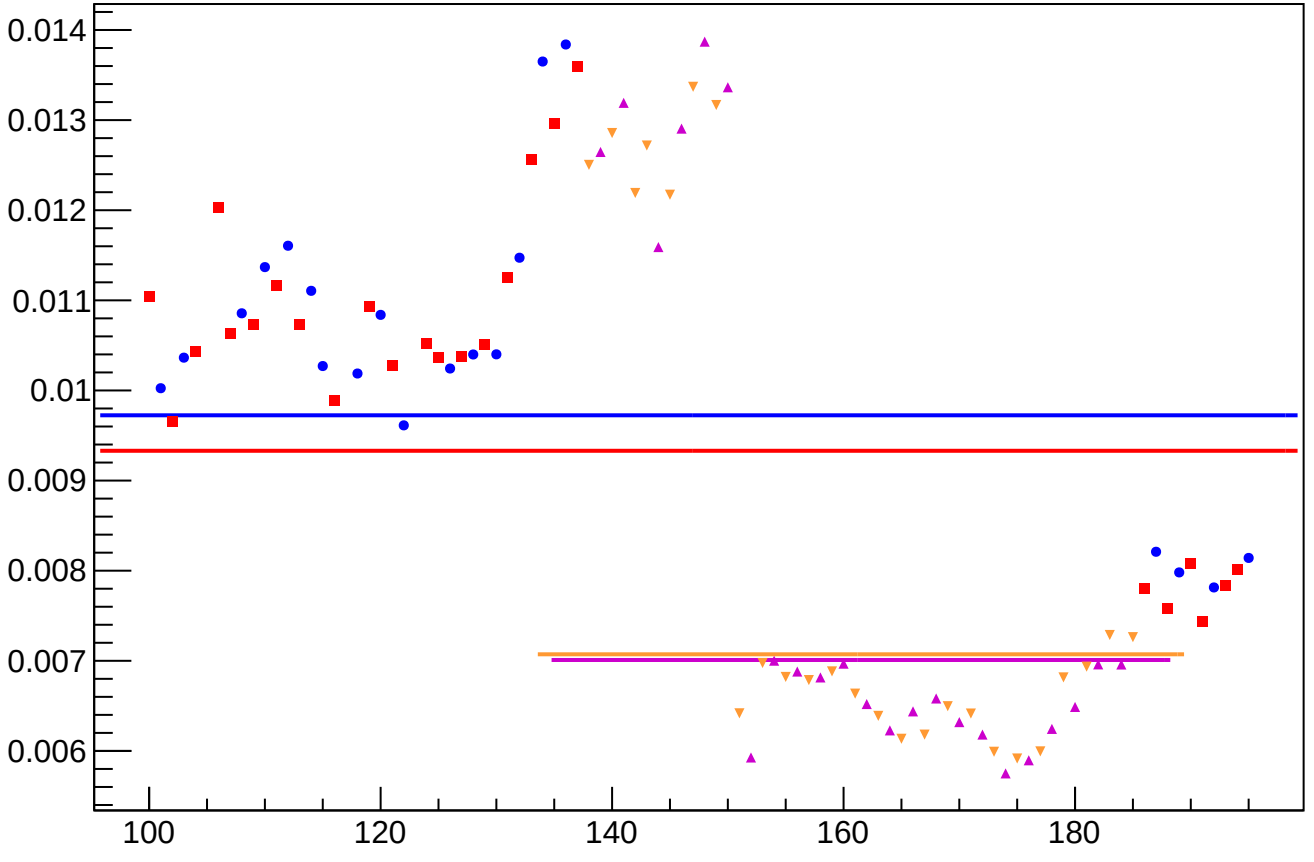
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.433+/-0.000 χ^2/NDF: 103440826896.4/44

All: -0.431+/-0.000 χ^2/NDF: 218691752677.2

- sign -0.428+/-0.000 χ^2/NDF: 115244948904.1/47

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

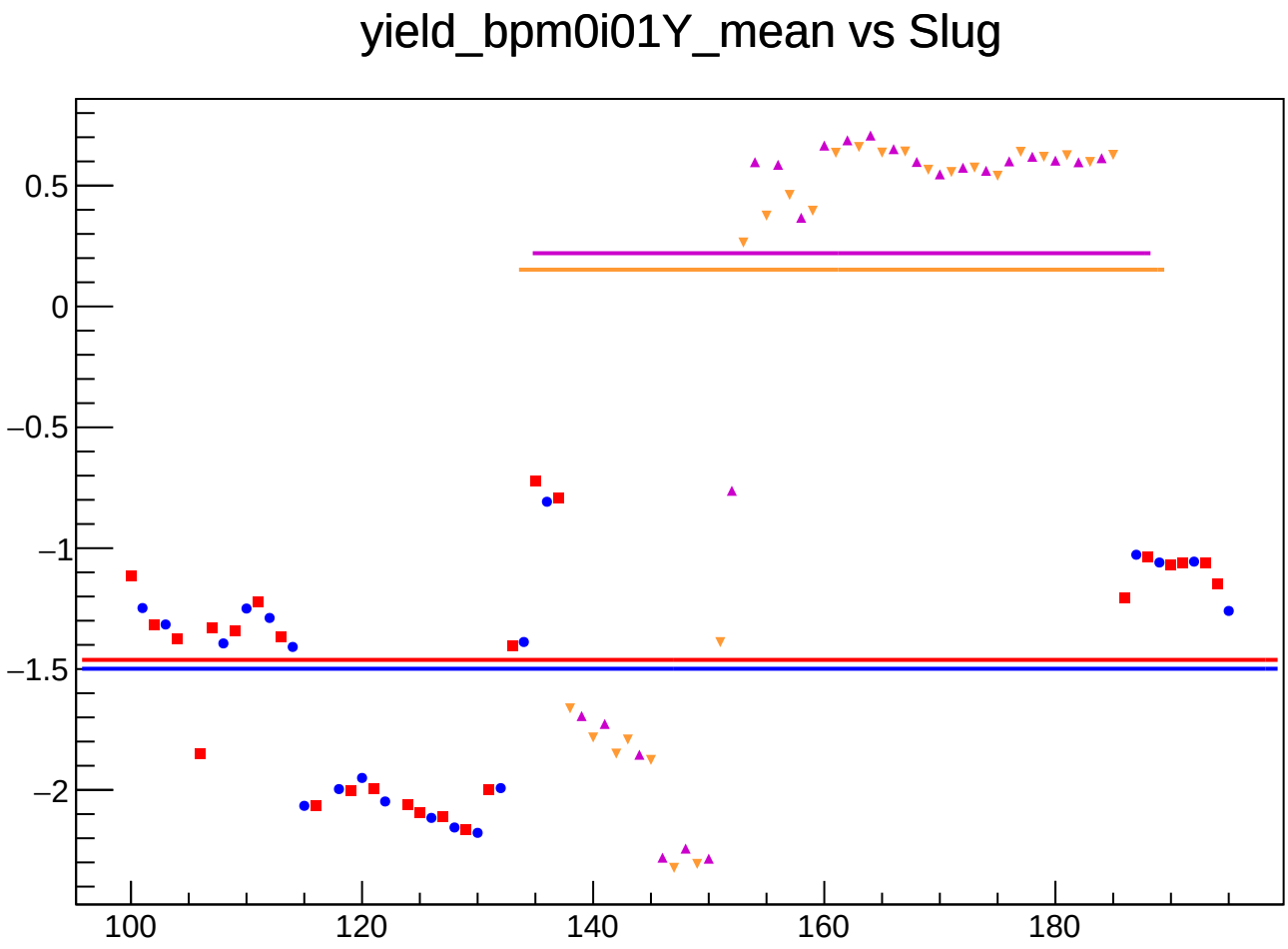
Right Out: 0.009+/-0.000 χ^2/NDF: 649699.2/24

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: 8097667.0/92

- sign 0.008+/-0.000 χ^2/NDF: 4070192.0/47



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: -1.462+/-0.000 χ^2/NDF: 170153669288.4/24

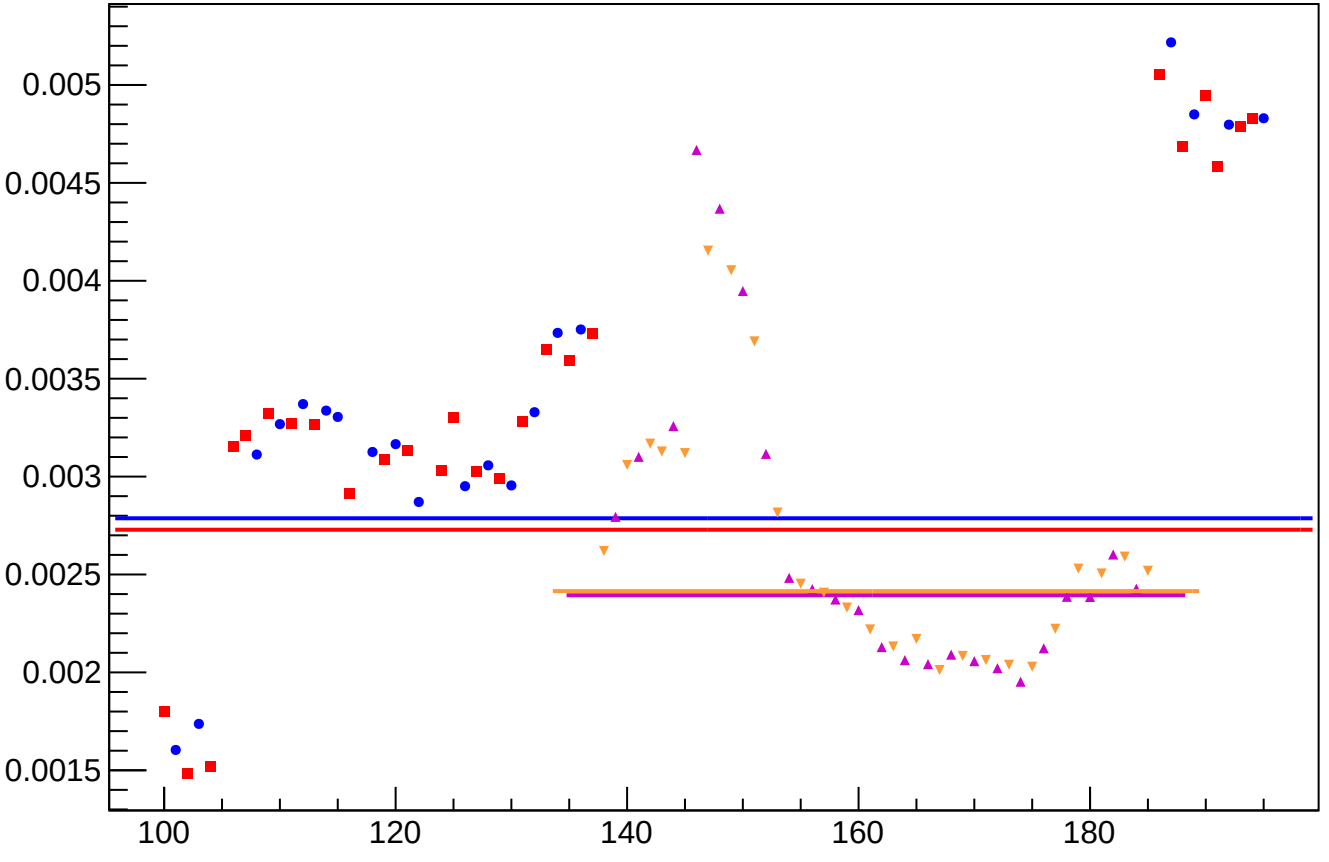
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.279+/-0.000 χ^2/NDF: 4660649523573.8/4

All: -0.278+/-0.000 χ^2/NDF: 9288054960458

- sign -0.278+/-0.000 χ^2/NDF: 4627403373875.3/47

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

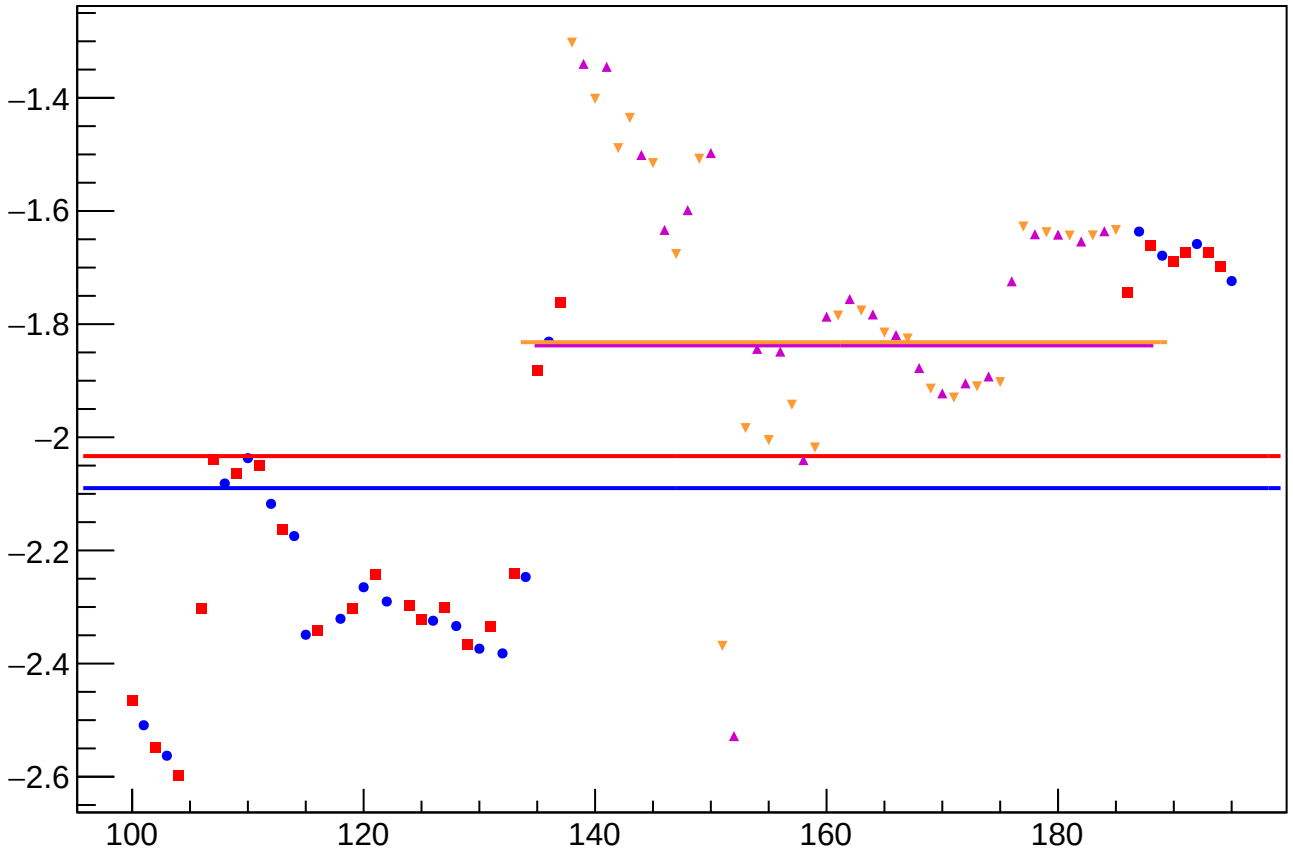
Right Out: 0.003+/-0.000 χ^2/NDF: 3076817.8/24

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: 8269921.2/92

- sign 0.002+/-0.000 χ^2/NDF: 4671168.9/47



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: -2.033+/-0.000 χ^2/NDF: 33097640146.6/24

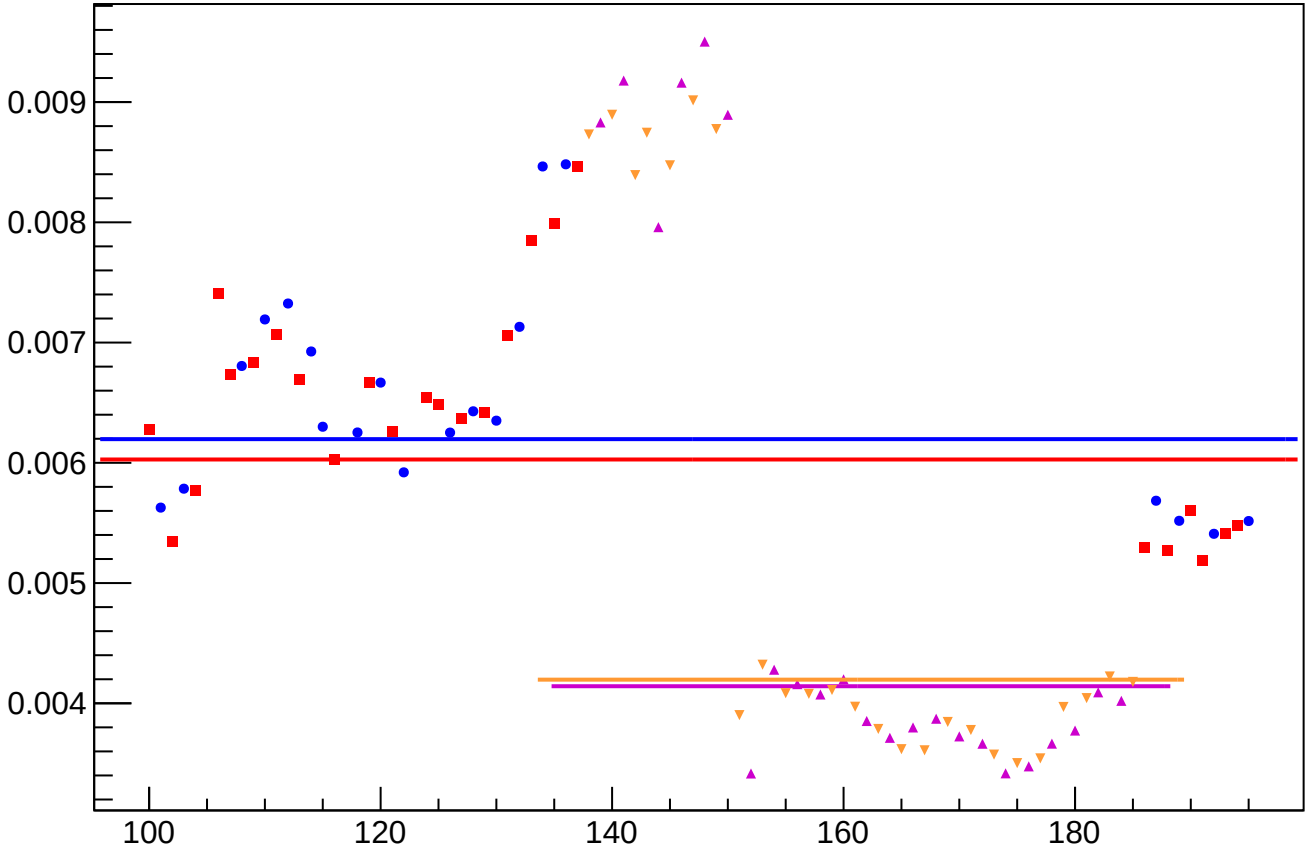
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.883+/-0.000 χ^2/NDF: 78207719844.7/44

All: -1.884+/-0.000 χ^2/NDF: 173264014737.

- sign -1.884+/-0.000 χ^2/NDF: 95056127139.7/47

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: 372919.7/24

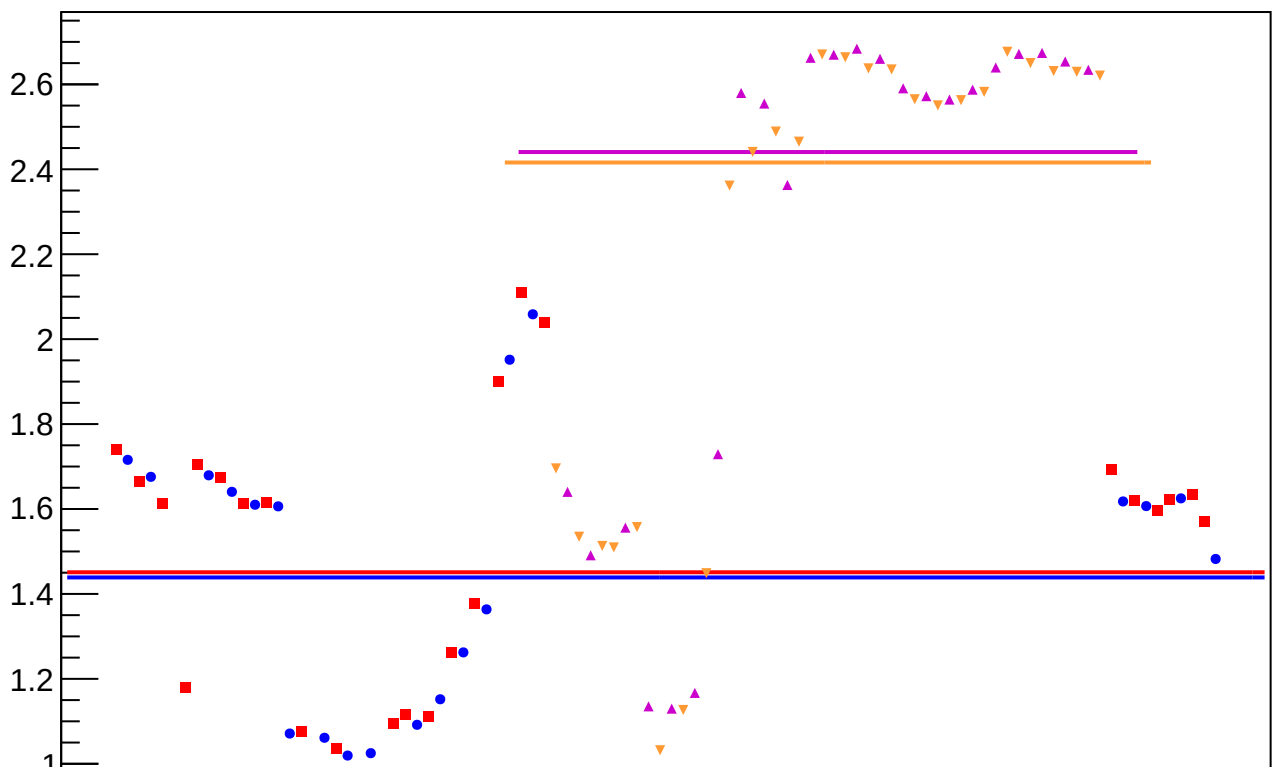
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

\+ sign 0.005+/-0.000 χ^2/NDF: 4998695.5/44

All: 0.005+/-0.000 χ^2/NDF: 10148363.3/92

\- sign 0.005+/-0.000 χ^2/NDF: 5149593.7/47

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

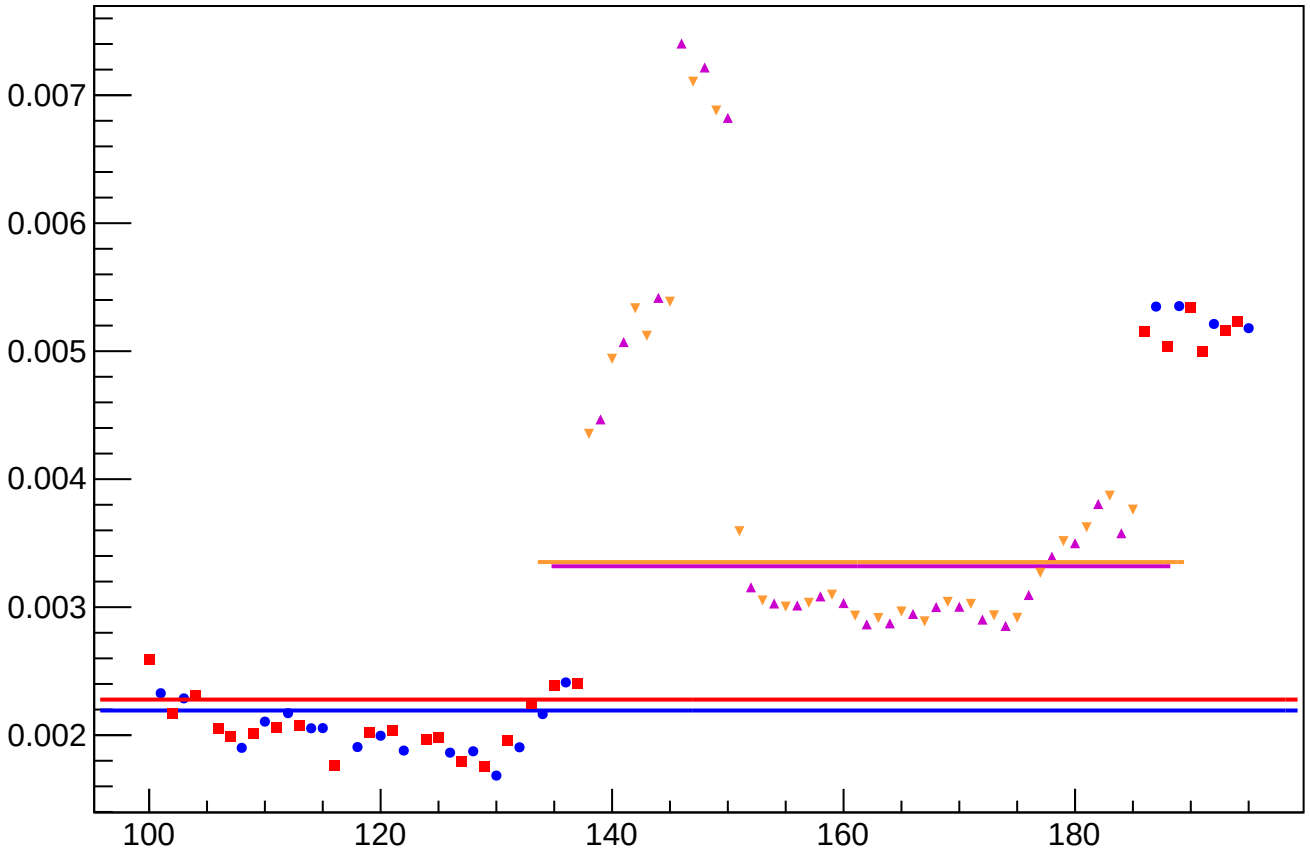
Right Out: 1.451+/-0.000 χ^2/NDF: 186300742085.9/24

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.903+/-0.000 χ^2/NDF: 1212867521552.0/44

All: 1.902+/-0.000 χ^2/NDF: 2420553075129.

- sign 1.902+/-0.000 χ^2/NDF: 1207685158451.1/47



Right In: 0.002+/-0.000 χ^2/NDF: 1956095.1/19

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2557677.8/24

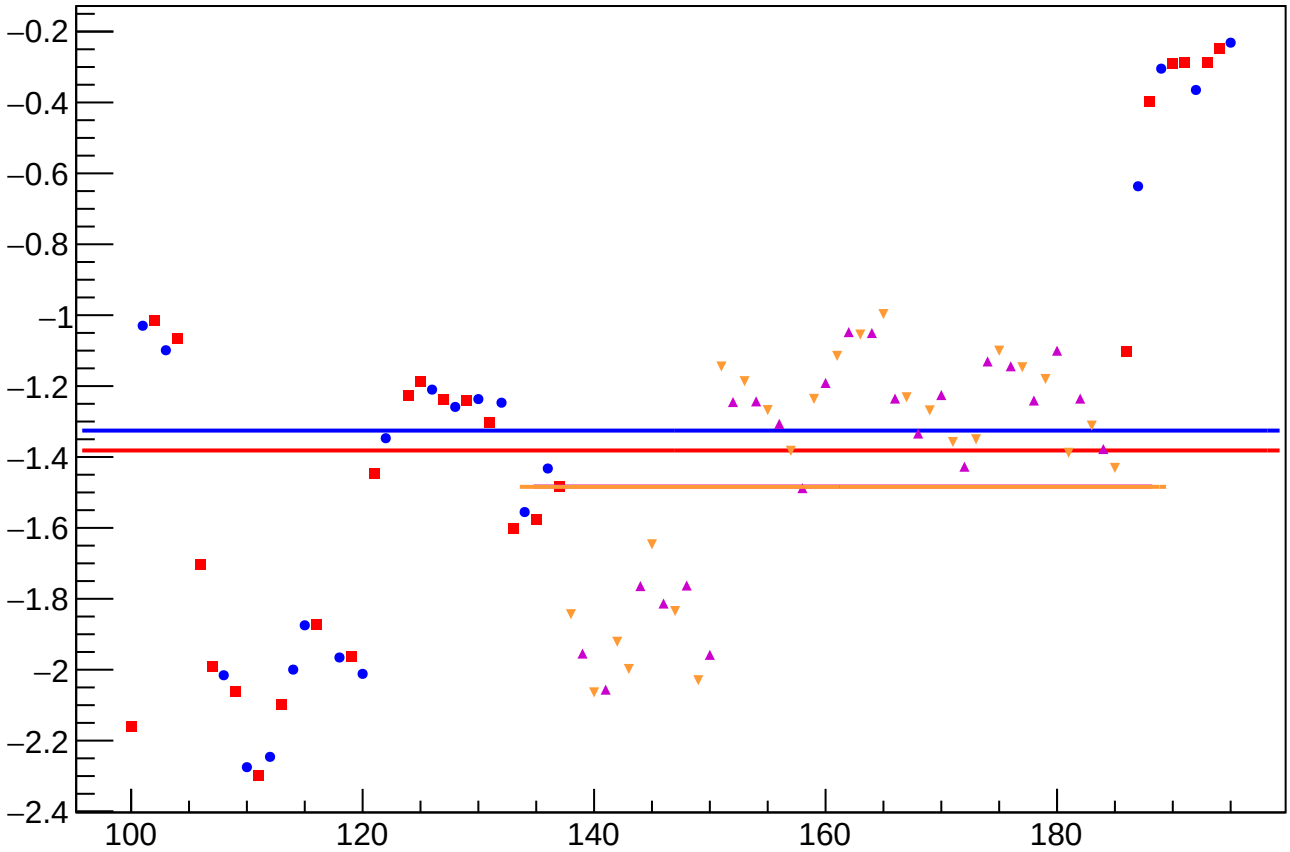
Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 5969314.3/44

All: 0.003+/-0.000 χ^2/NDF: 12331941.4/92

- sign 0.003+/-0.000 χ^2/NDF: 6362314.8/47

yield_bpm0l01X_mean vs Slug



Right In: -1.326+/-0.000 χ^2/NDF: 52222434110.0/19

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.382+/-0.000 χ^2/NDF: 73978626516.6/24

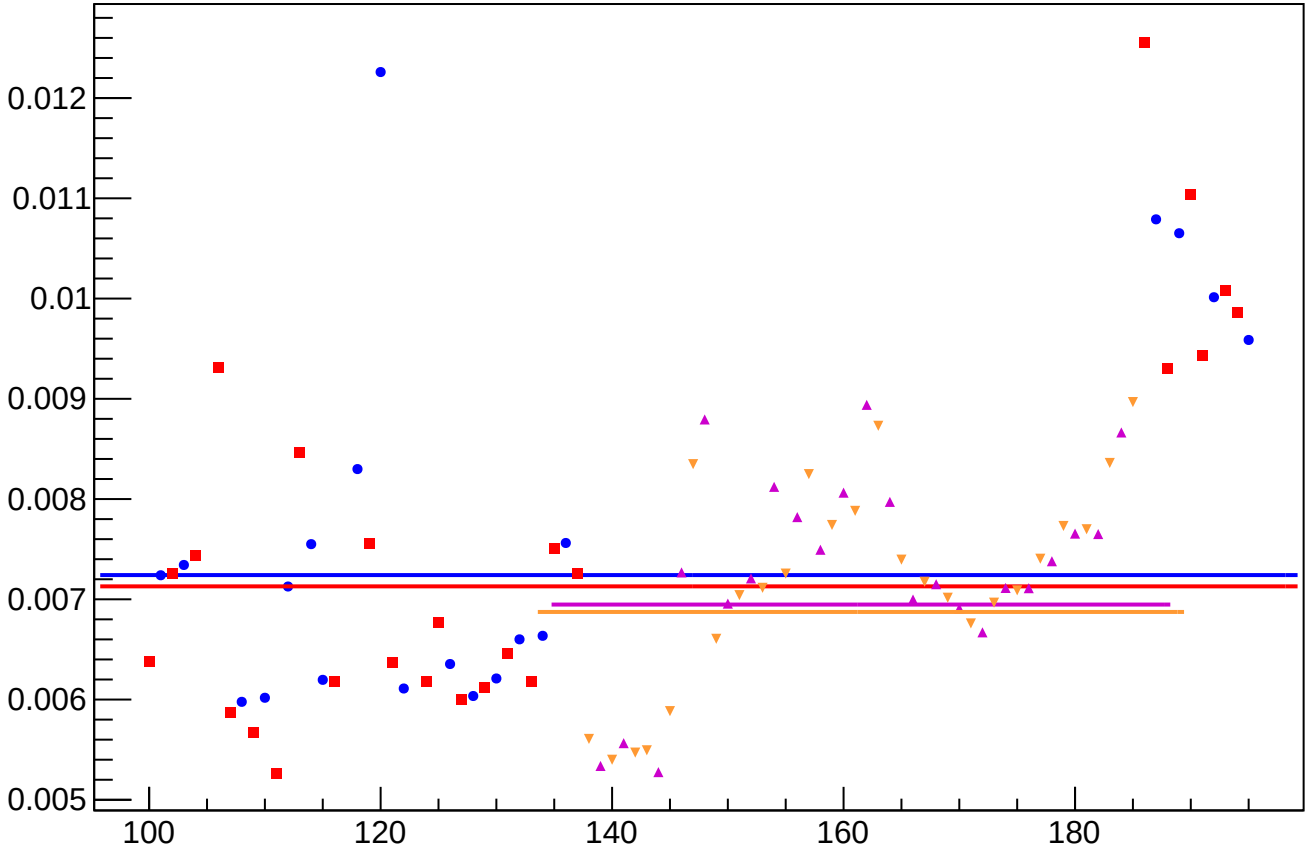
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.436+/-0.000 χ^2/NDF: 103580319732.8/44

All: -1.442+/-0.000 χ^2/NDF: 219252479416.1

- sign -1.447+/-0.000 χ^2/NDF: 115640948644.8/47

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

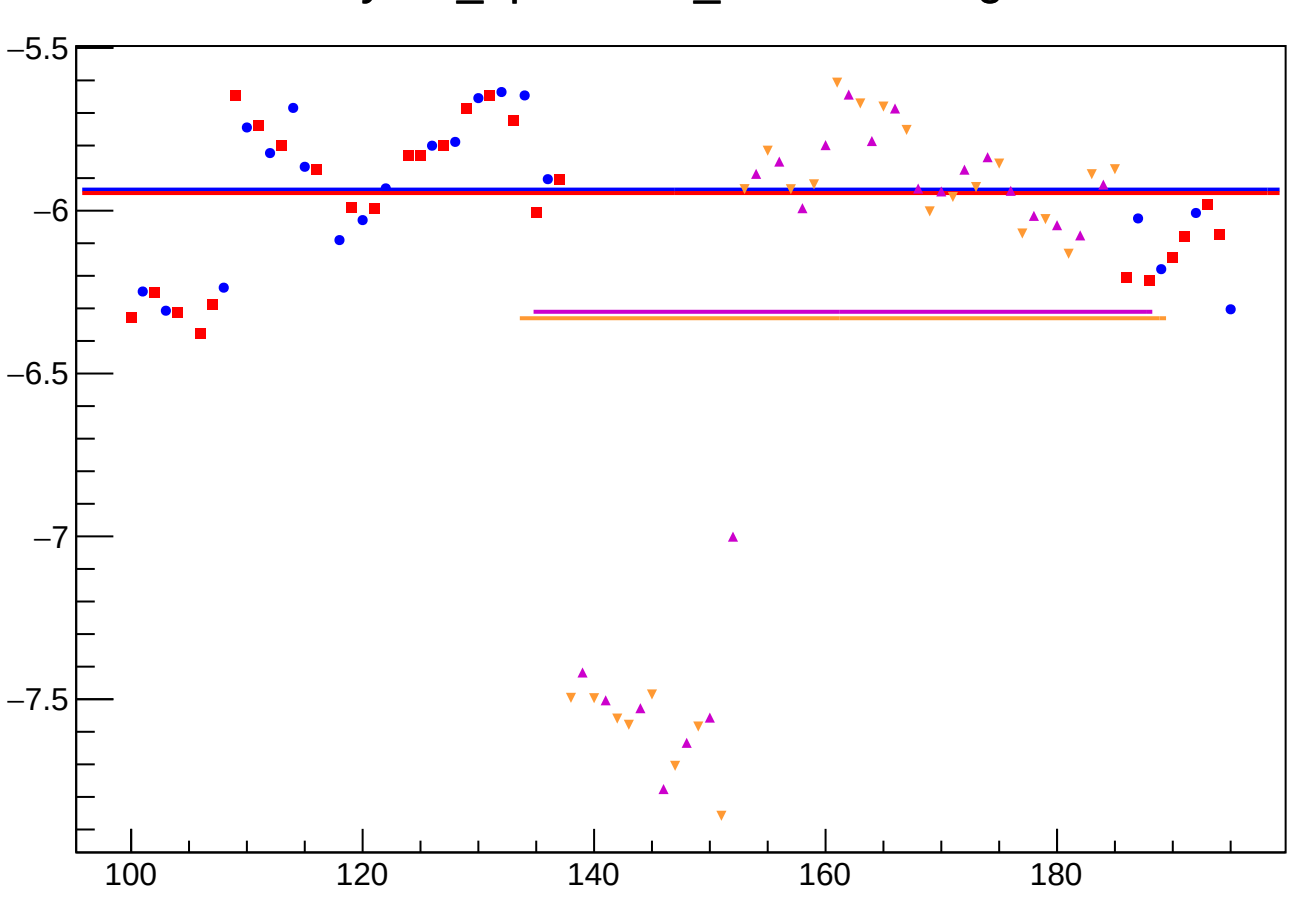
Right Out: 0.007+/-0.000 χ^2/NDF: 972741.6/24

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: 3191064.4/92

- sign 0.007+/-0.000 χ^2/NDF: 1727812.0/47



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: -5.946+/-0.000 χ^2/NDF: 13505687884.4/24

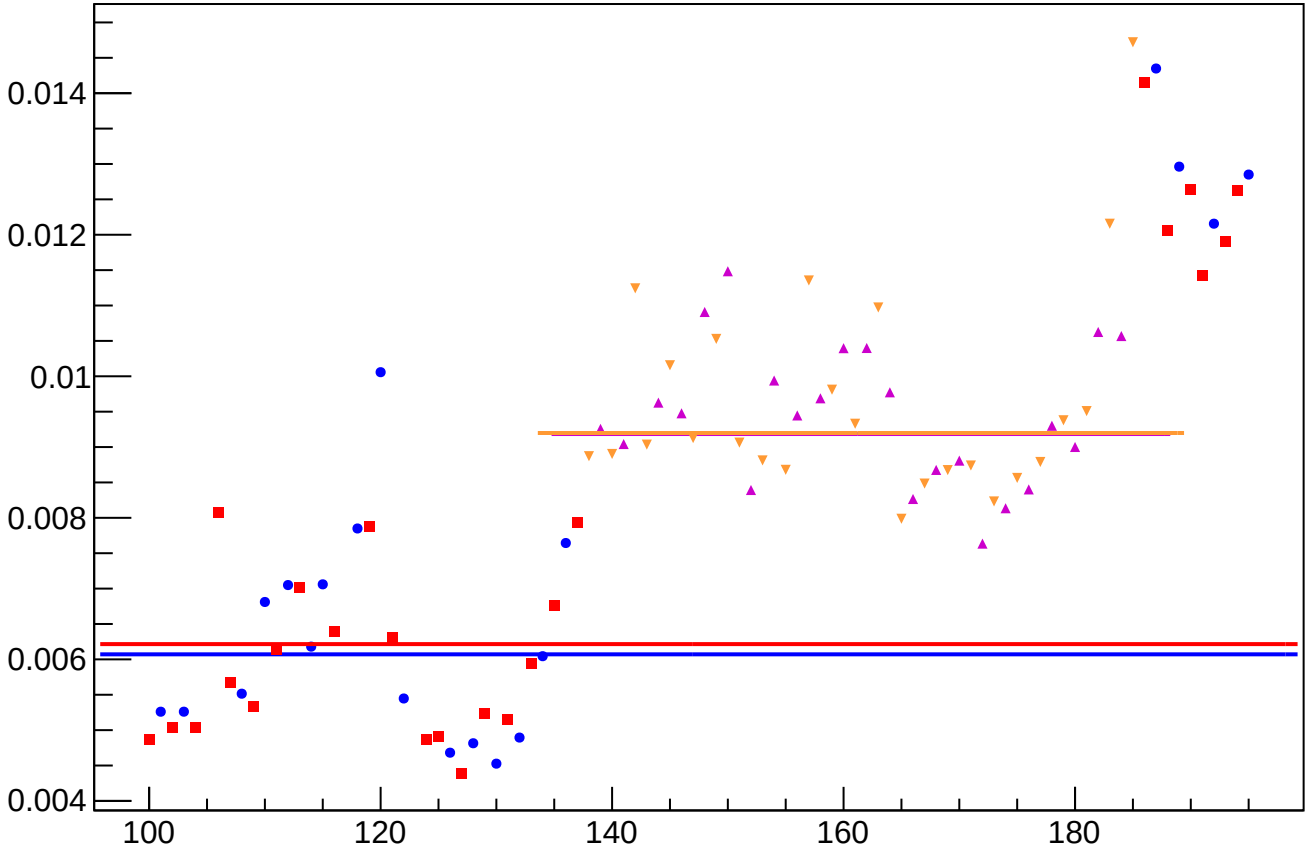
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.122+/-0.000 χ^2/NDF: 138744556449.3/44

All: -6.114+/-0.000 χ^2/NDF: 257609164955.5

- sign -6.106+/-0.000 χ^2/NDF: 118813443698.7/47

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: 2277471.7/24

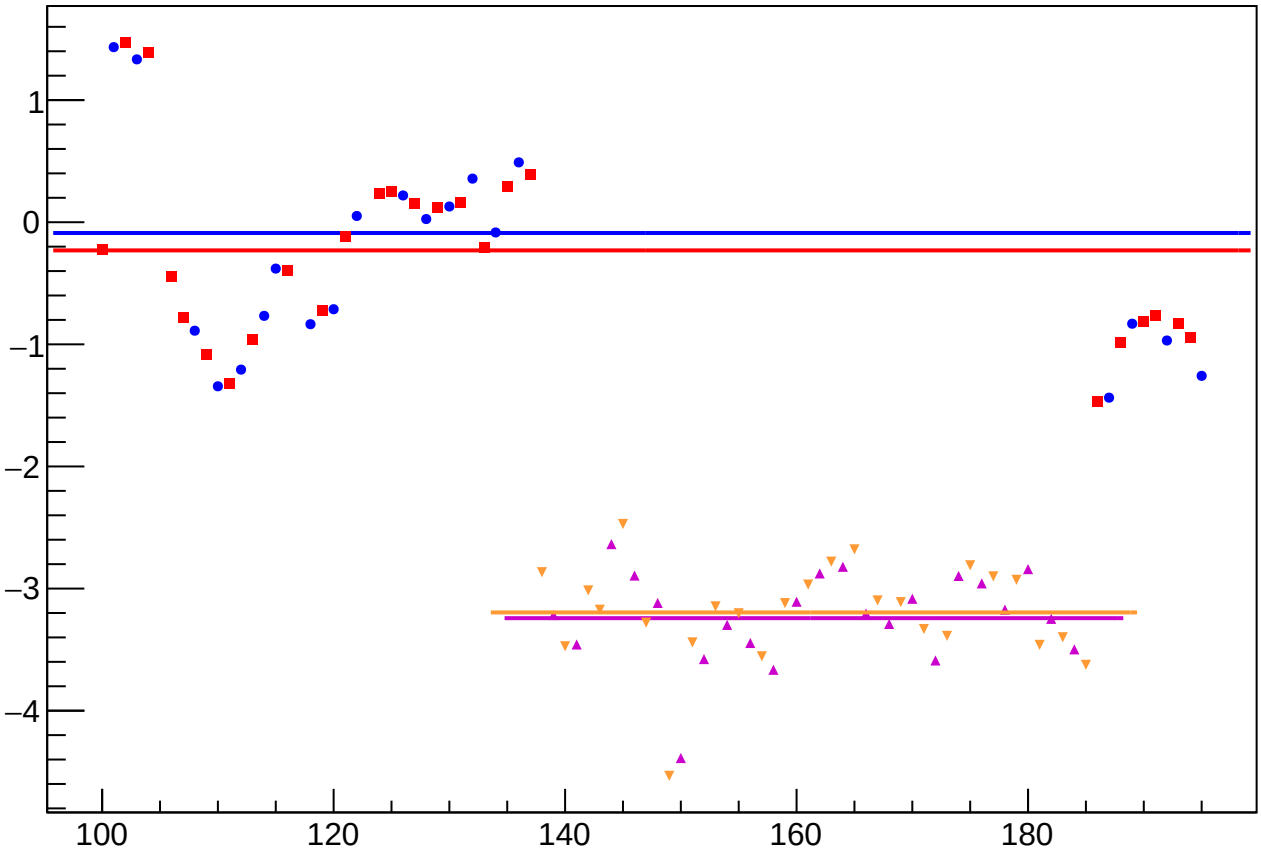
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4267629.7/44

All: 0.008+/-0.000 χ^2/NDF: 8670650.7/92

- sign 0.008+/-0.000 χ^2/NDF: 4402686.5/47

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: -0.231+/-0.000 χ^2/NDF: 30349794531.4/24

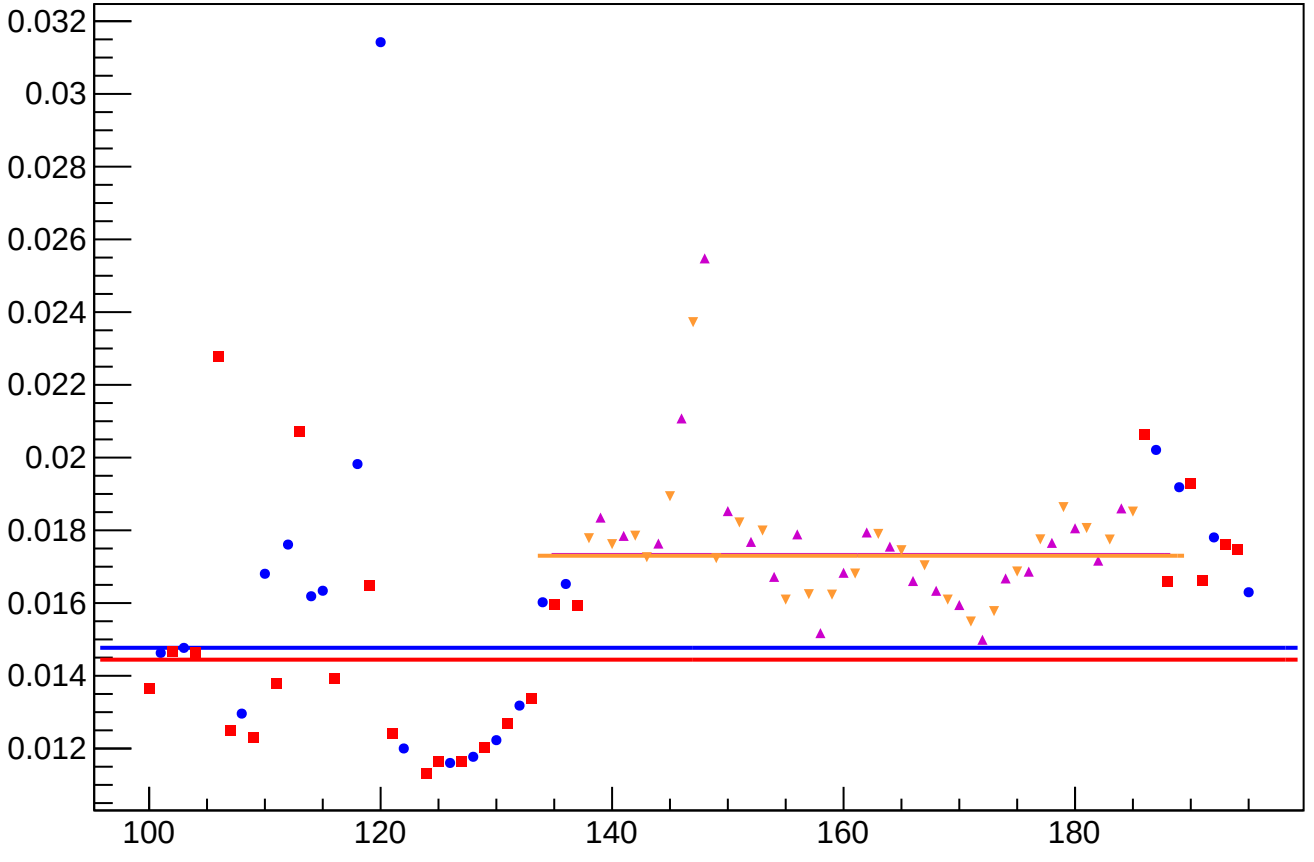
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.981+/-0.000 χ^2/NDF: 271951725093.8/44

All: -1.927+/-0.000 χ^2/NDF: 551173508624.

- sign -1.876+/-0.000 χ^2/NDF: 278646677866.3/47

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

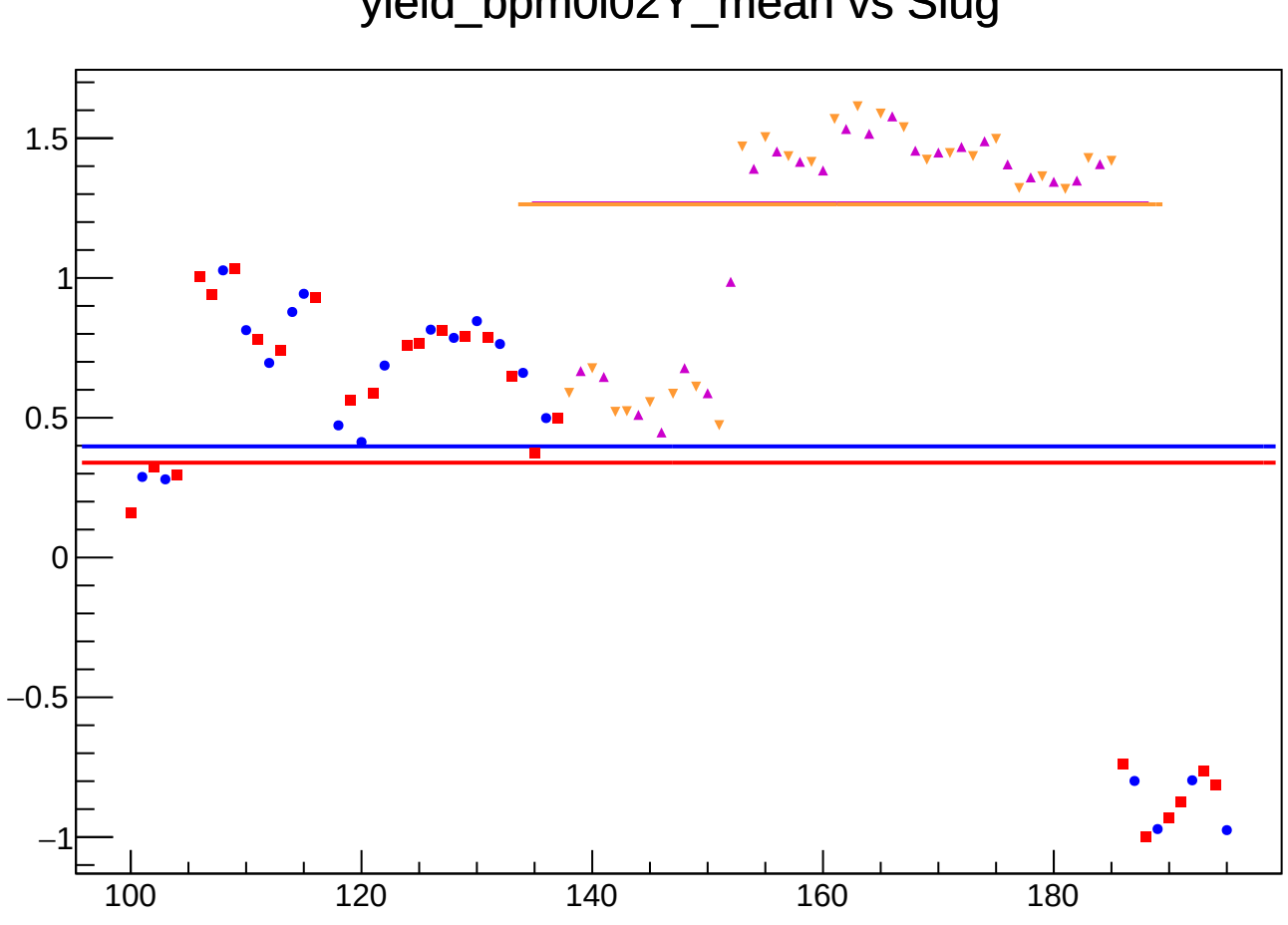
Right Out: 0.014+/-0.000 χ^2/NDF: 628351.7/24

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: 2578304.1/92

- sign 0.016+/-0.000 χ^2/NDF: 1397621.4/47



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: 0.339+/-0.000 χ^2/NDF: 49660471618.8/24

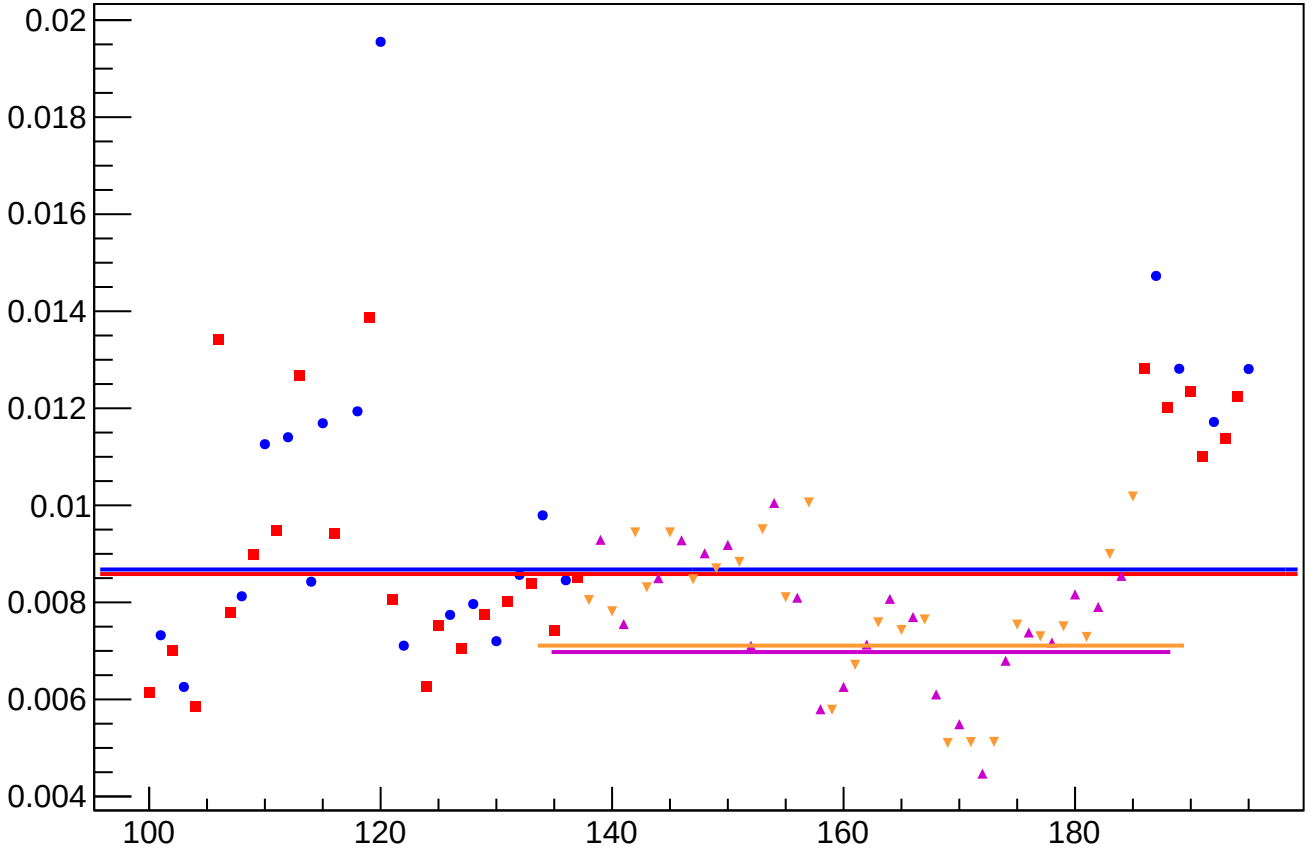
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.050+/-0.000 χ^2/NDF: 143989245976.2/44

All: 1.028+/-0.000 χ^2/NDF: 311960430270.9

- sign 1.008+/-0.000 χ^2/NDF: 167564237107.9/47

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: 1275933.1/24

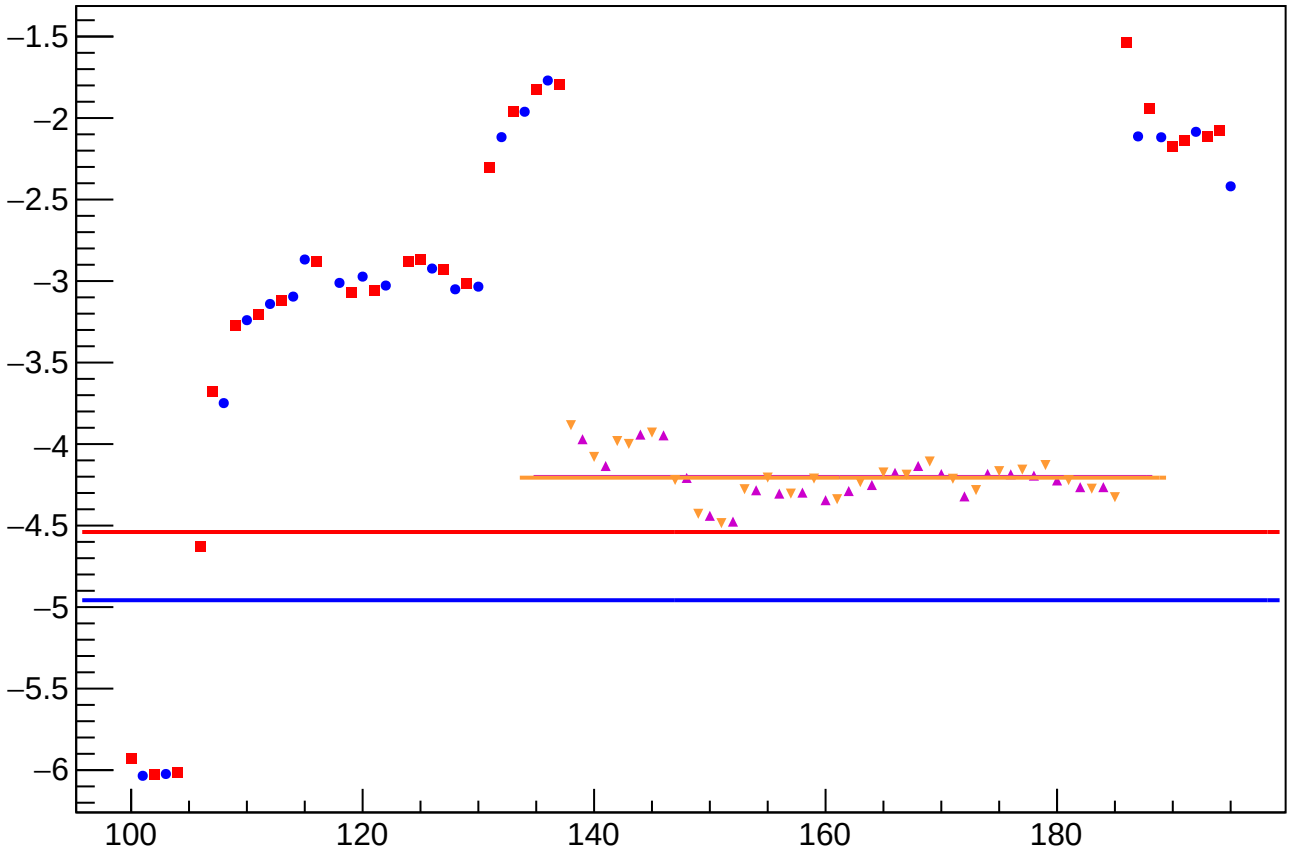
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 3061474.2/44

All: 0.007+/-0.000 χ^2/NDF: 6279102.8/92

- sign 0.007+/-0.000 χ^2/NDF: 3215363.6/47

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: -4.539+/-0.000 χ^2/NDF: 245531476593.2/24

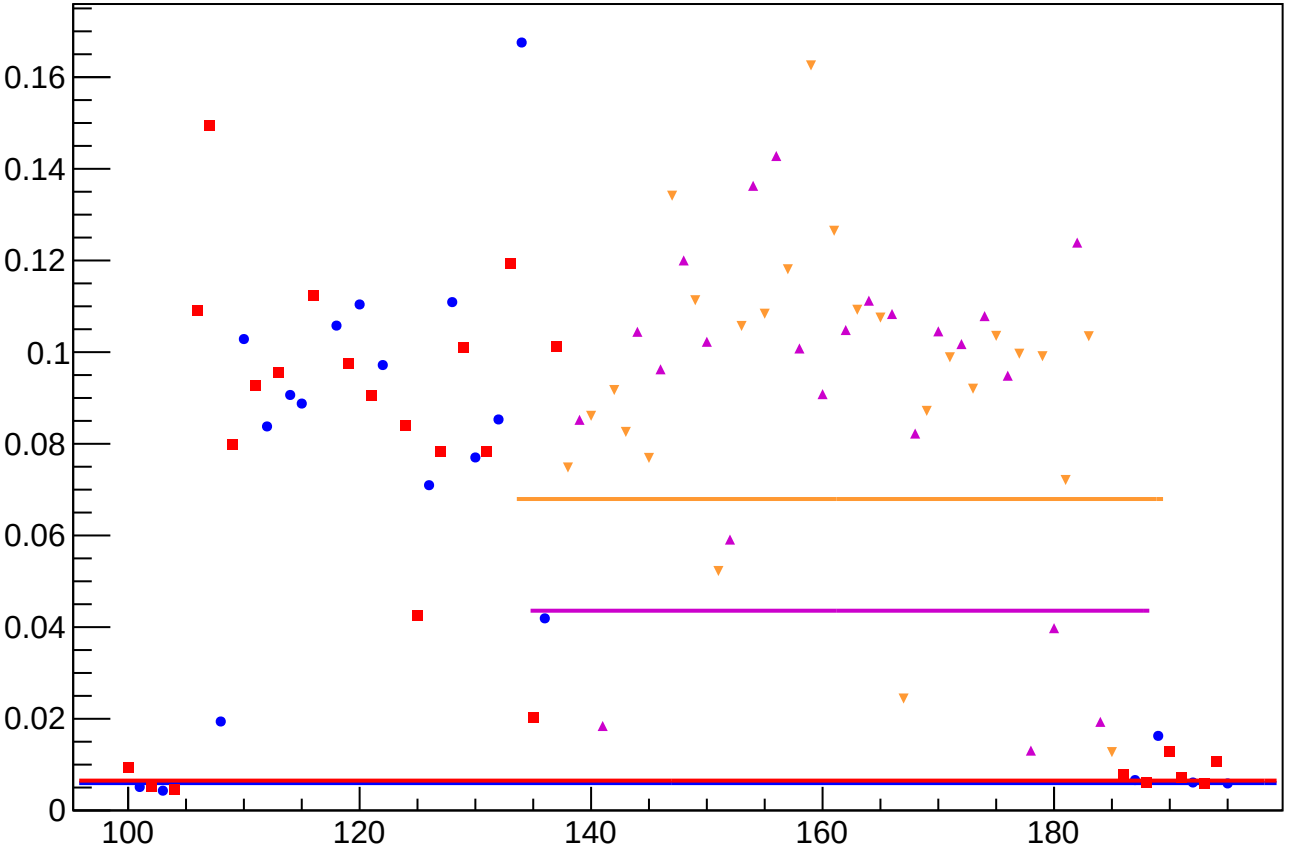
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.930+/-0.000 χ^2/NDF: 206183883263.5/44

All: -4.730+/-0.000 χ^2/NDF: 458217397970.9

- sign -4.520+/-0.000 χ^2/NDF: 246013331757.5/47

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

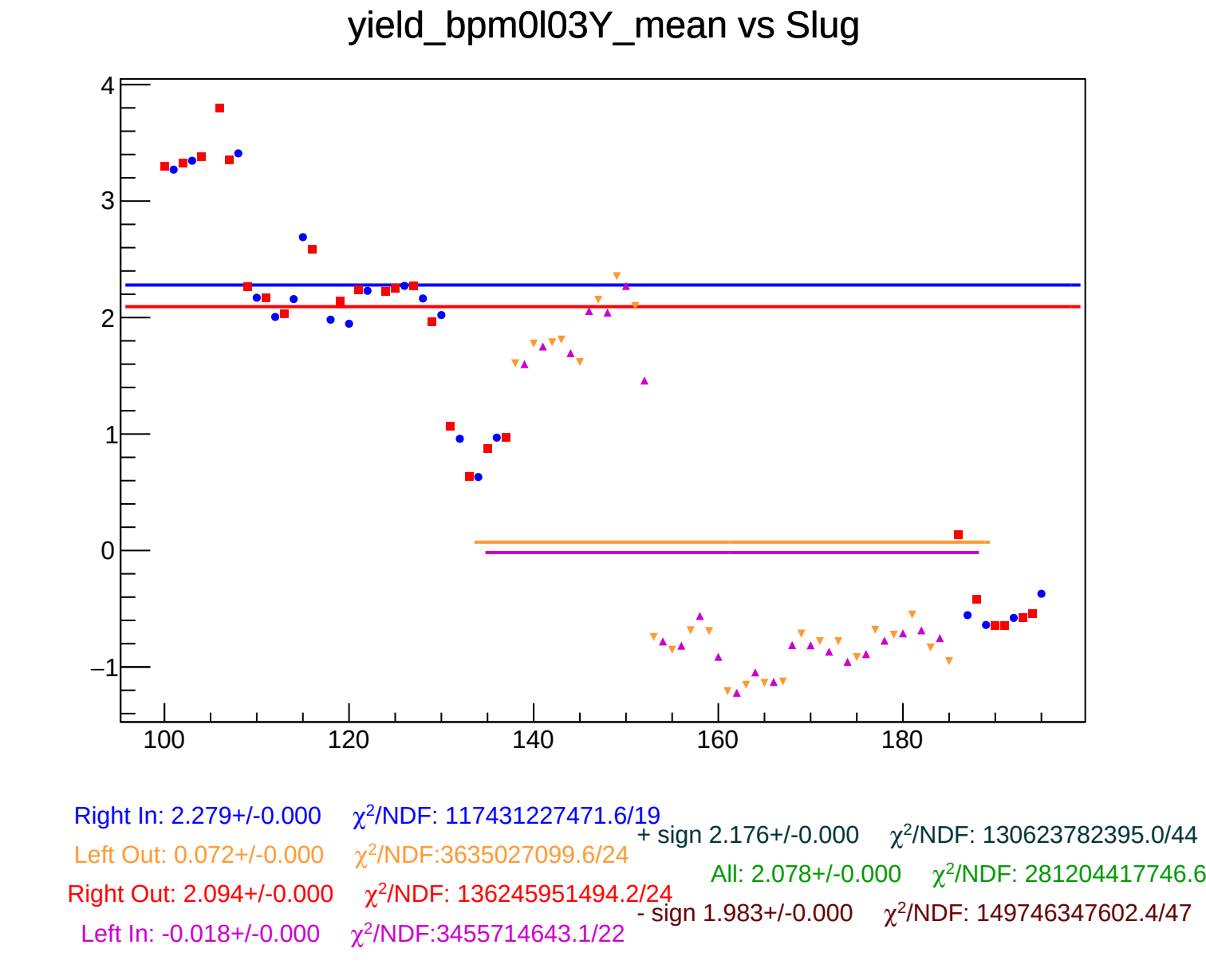
Right Out: 0.007+/-0.000 χ^2/NDF: 8870000.2/24

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

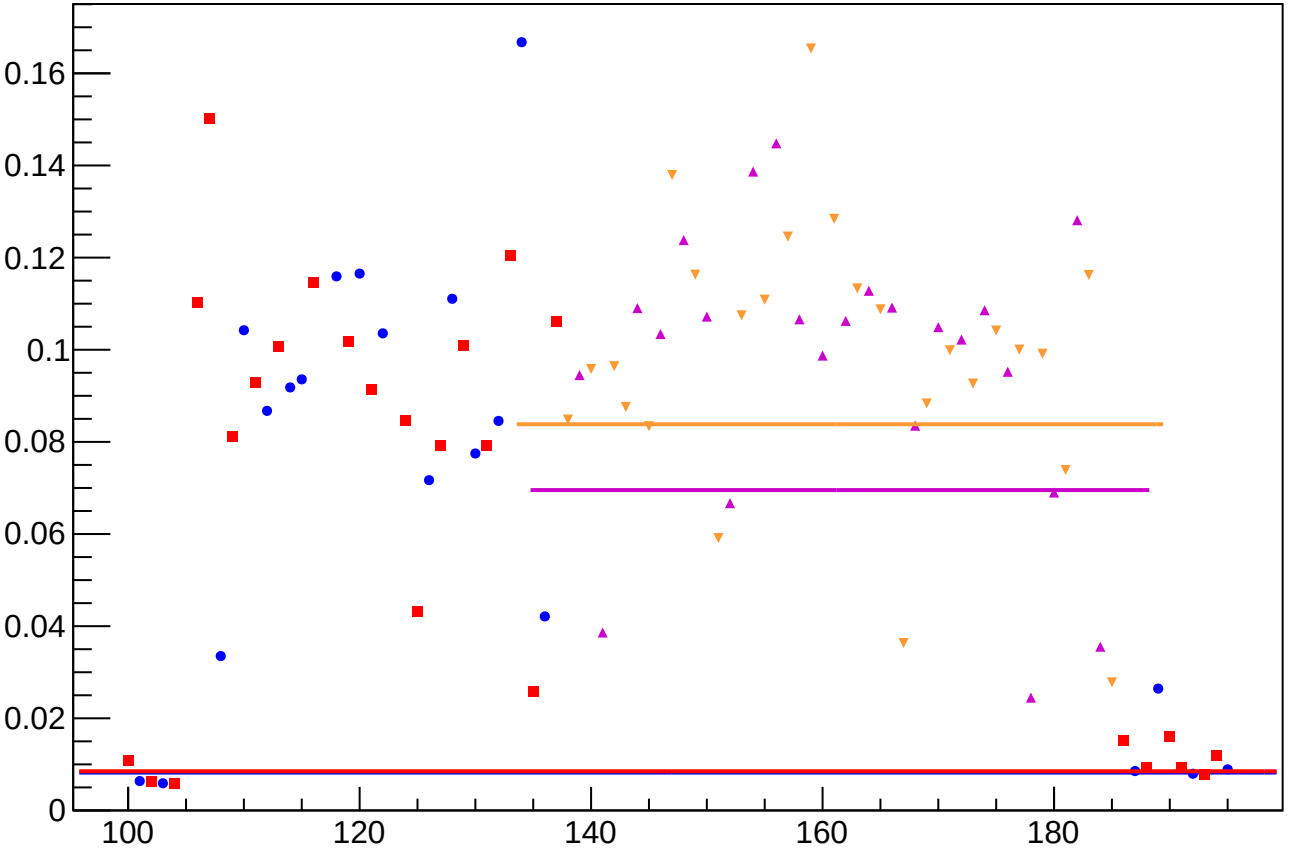
+ sign 0.008+/-0.000 χ^2/NDF: 36133448.4/44

All: 0.008+/-0.000 χ^2/NDF: 68365214.1/92

- sign 0.009+/-0.000 χ^2/NDF: 32215851.5/47


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
Right In: 2.279+/-0.000 χ²/NDF: 117431227471.6/19
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 2.094+/-0.000 χ²/NDF: 136245951494.2/24
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 2.176+/-0.000 χ²/NDF: 130623782395.0/44
All: 2.078+/-0.000 χ²/NDF: 281204417746.6
- sign 1.983+/-0.000 χ²/NDF: 149746347602.4/47

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: 0.009+/-0.000 χ^2/NDF: 8716565.6/24

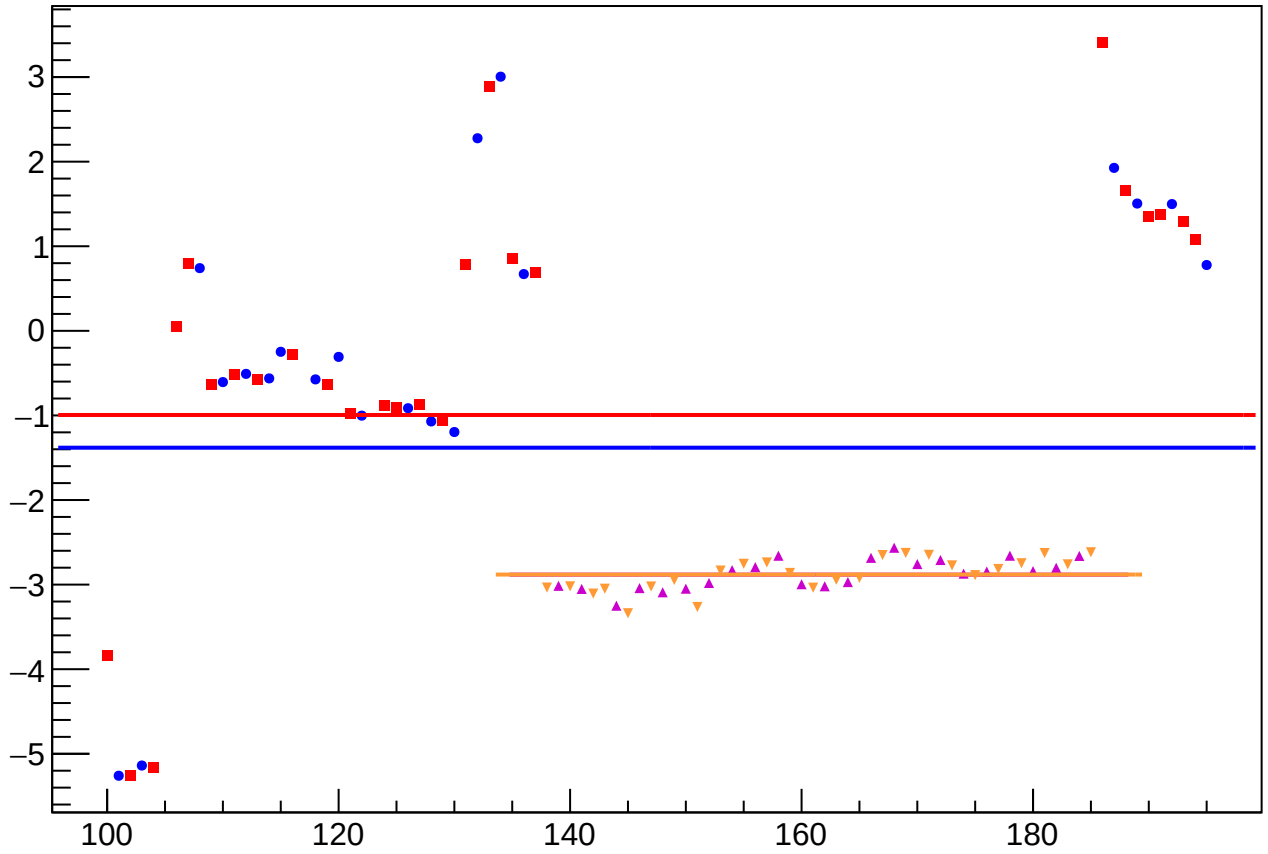
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 34831997.1/44

All: 0.012+/-0.000 χ^2/NDF: 67034309.2/92

- sign 0.012+/-0.000 χ^2/NDF: 32202206.0/47

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: -0.995+/-0.000 χ^2/NDF: 228818227878.0/24

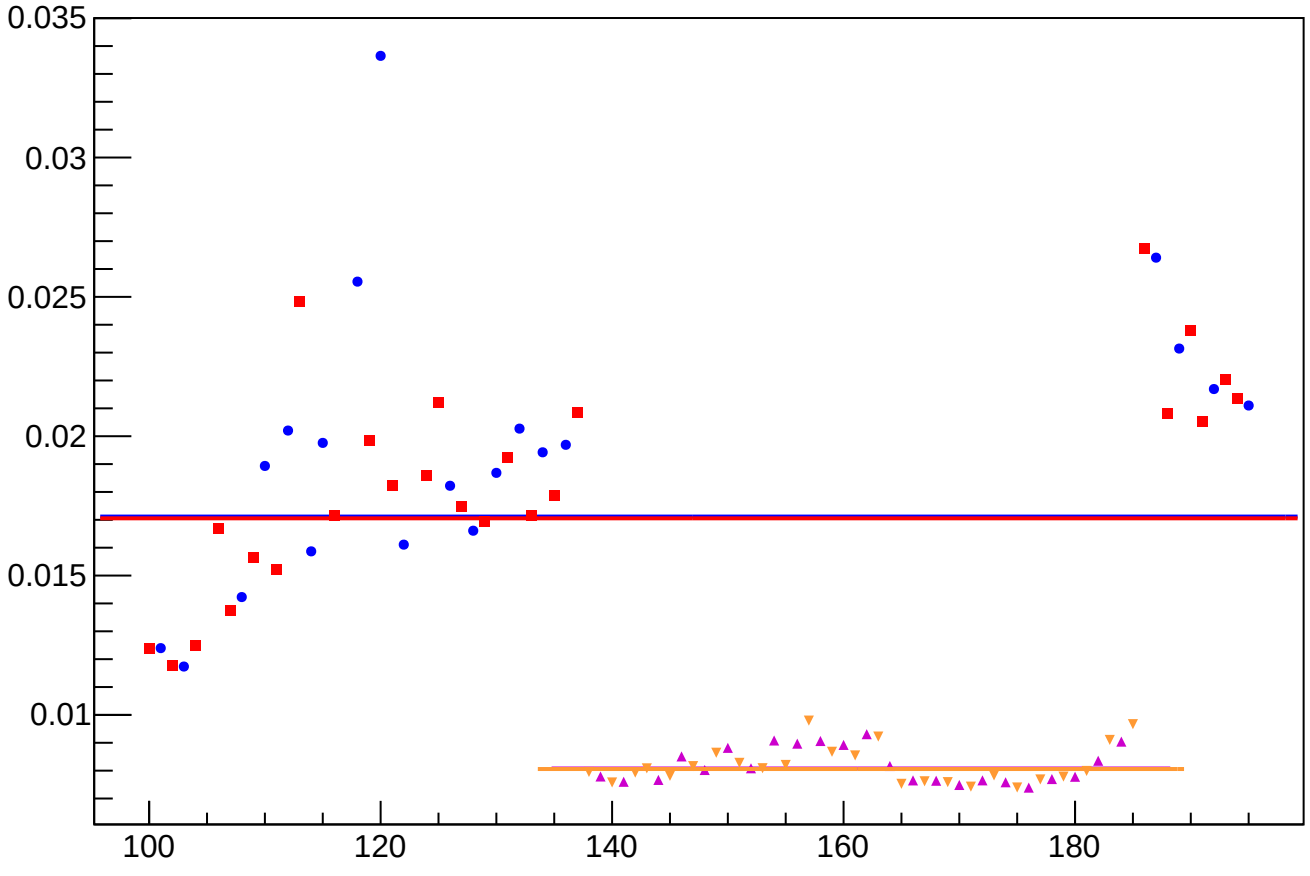
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.748+/-0.000 χ^2/NDF: 273259126753.8/44

All: -2.712+/-0.000 χ^2/NDF: 616334207572.5

- sign -2.674+/-0.000 χ^2/NDF: 342249465334.6/47

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

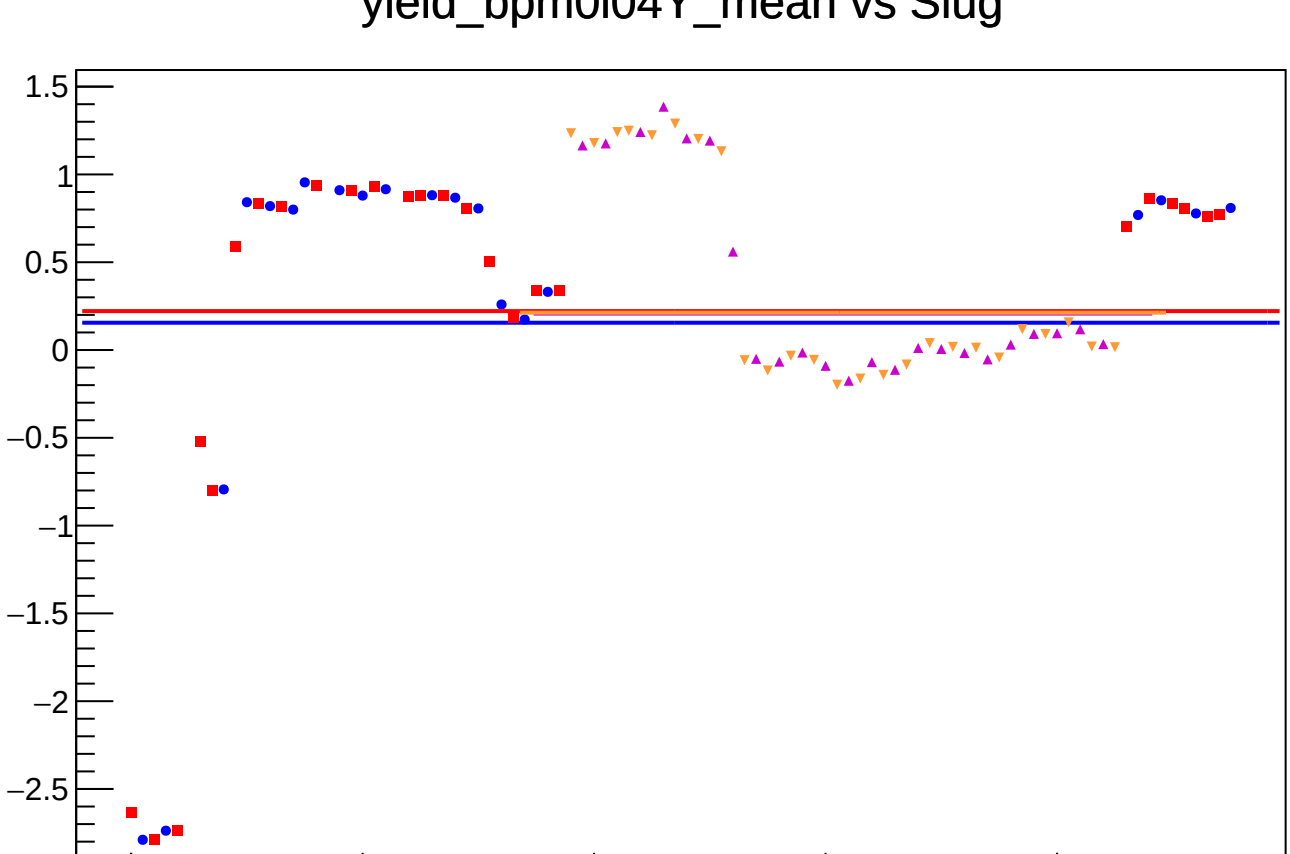
Right Out: 0.017+/-0.000 χ^2/NDF: 968125.4/24

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: 11292040.9/92

- sign 0.009+/-0.000 χ^2/NDF: 5904208.7/47



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: 0.222+/-0.000 χ^2/NDF: 999538322199.0/24

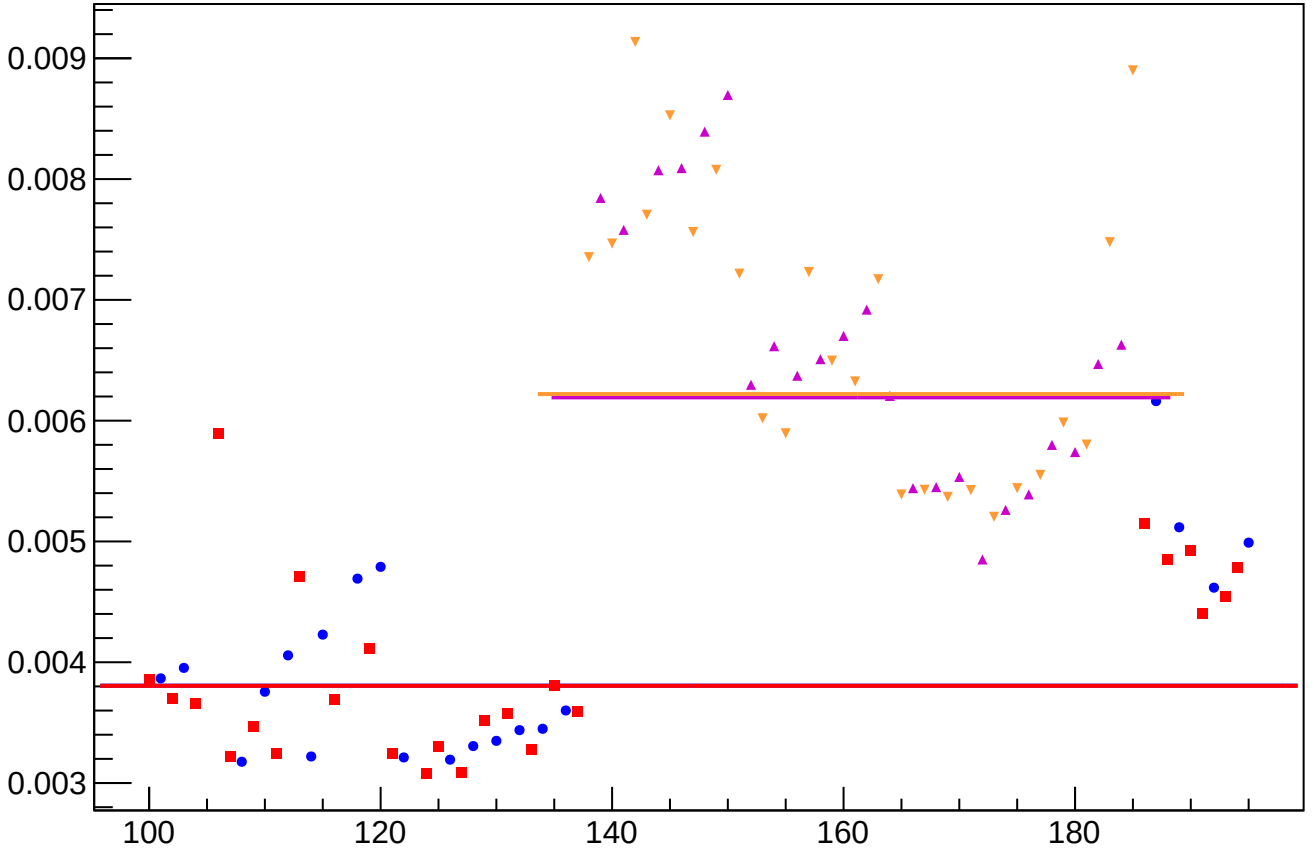
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 1005745226227.8/44

All: 0.198+/-0.000 χ^2/NDF: 2093212690470.

- sign 0.216+/-0.000 χ^2/NDF: 1086700237630.6/47

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 494077.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

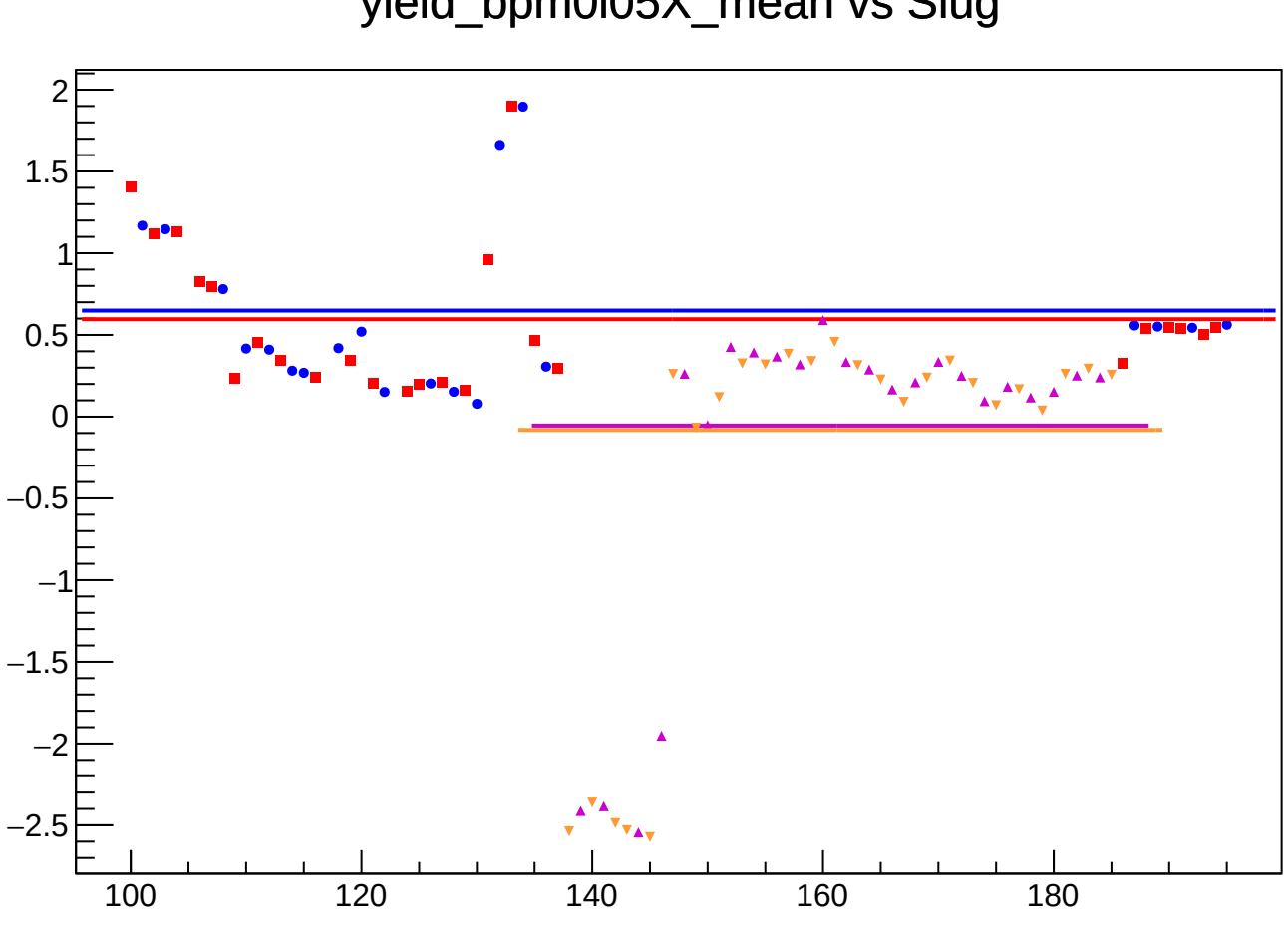
Right Out: 0.004+/-0.000 χ^2/NDF: 593063.2/24

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: 8677399.7/92

- sign 0.005+/-0.000 χ^2/NDF: 4391846.1/47



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: 0.596+/-0.000 χ^2/NDF: 43262207746.3/24

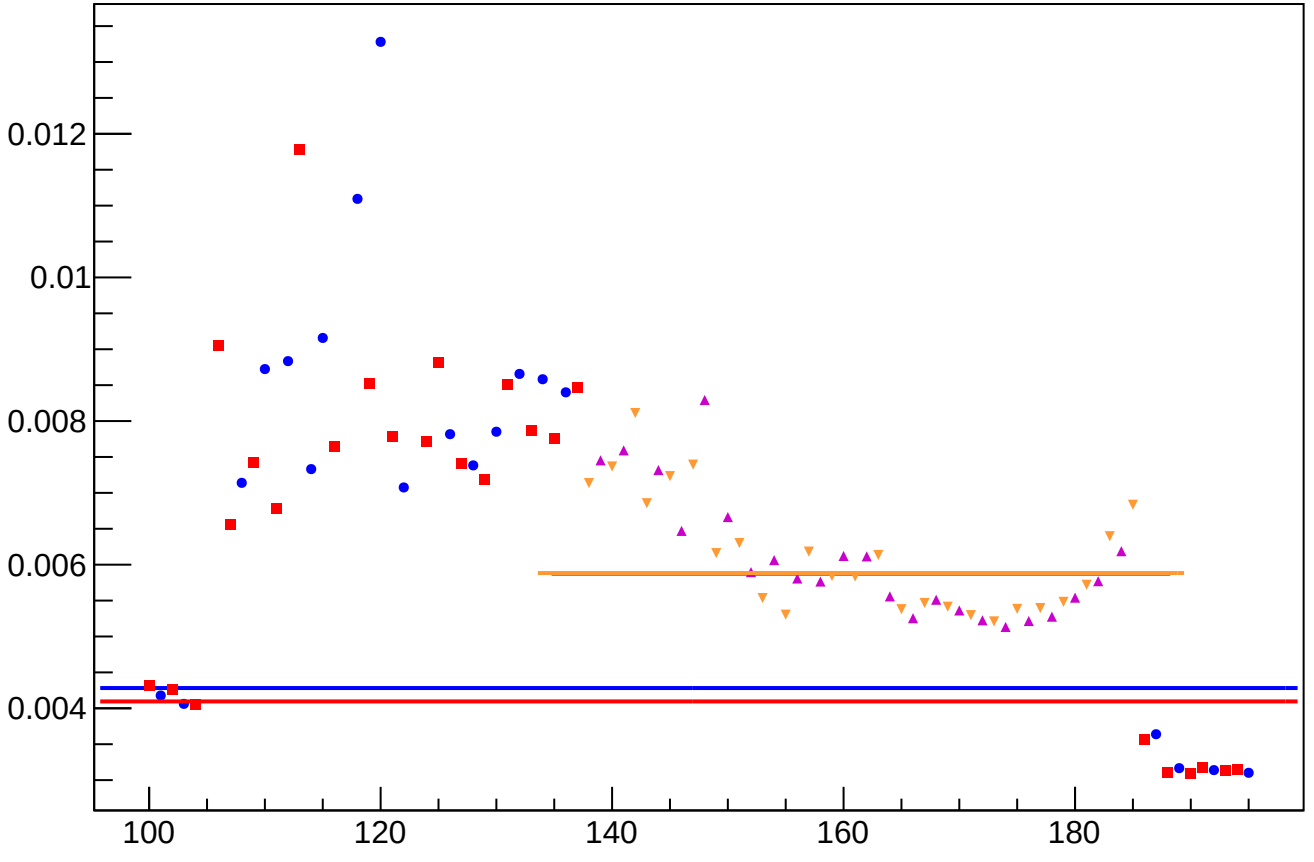
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.237+/-0.000 χ^2/NDF: 547733642730.1/44

All: 0.259+/-0.000 χ^2/NDF: 1044094714329.

- sign 0.279+/-0.000 χ^2/NDF: 495531934091.8/47

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: 3183851.0/24

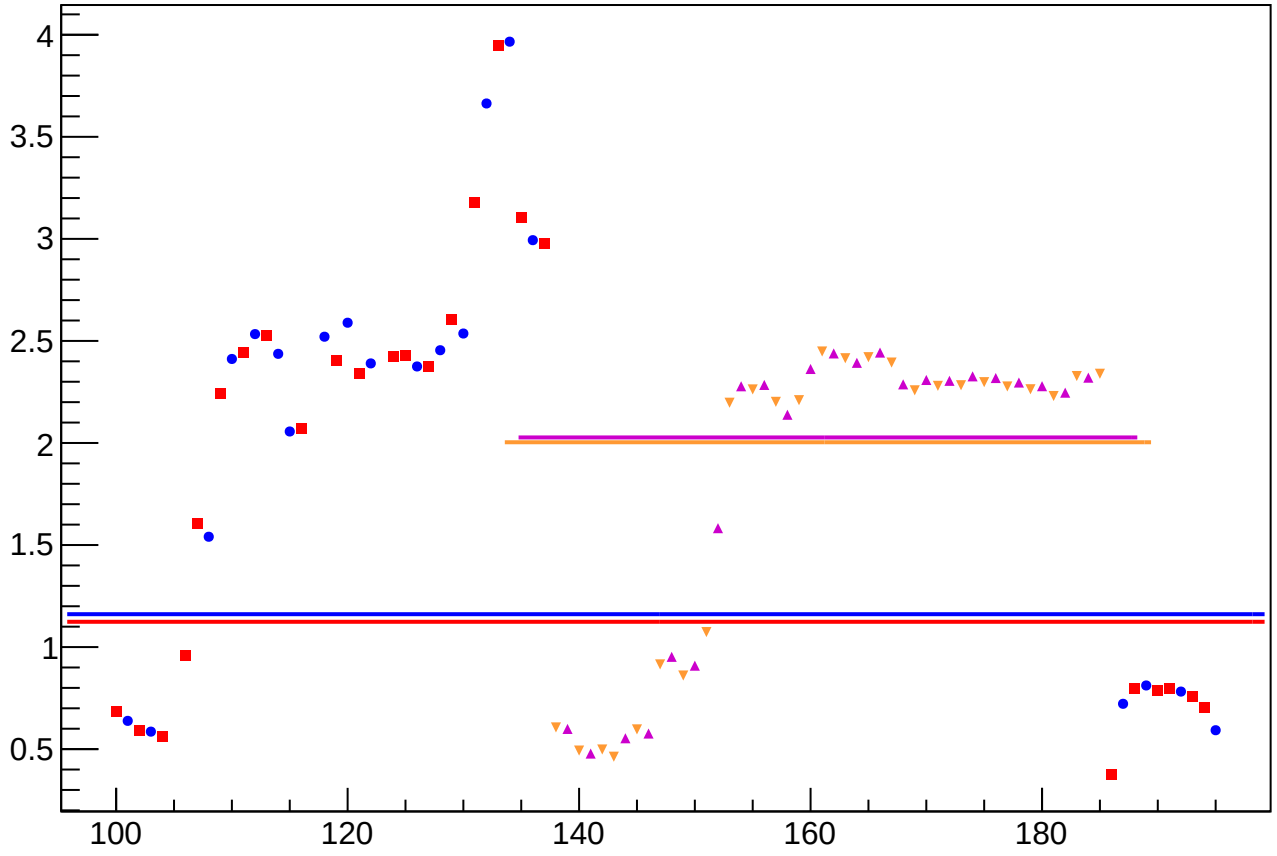
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4712997.2/44

All: 0.005+/-0.000 χ^2/NDF: 10038550.0/92

- sign 0.005+/-0.000 χ^2/NDF: 5278624.4/47

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: 1.124+/-0.000 χ^2/NDF: 234251085179.9/24

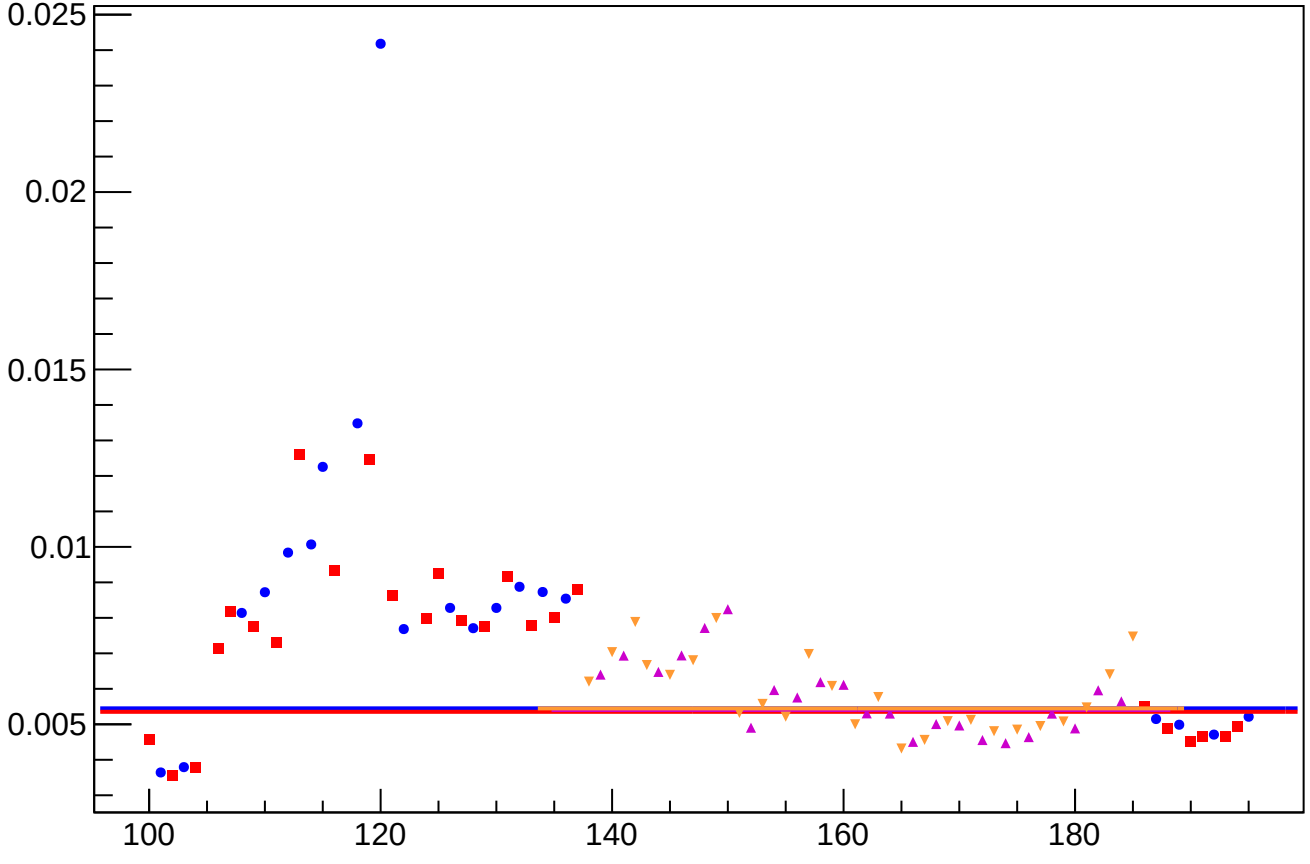
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.741+/-0.000 χ^2/NDF: 543019487168.7/44

All: 1.717+/-0.000 χ^2/NDF: 1132443410517.

- sign 1.694+/-0.000 χ^2/NDF: 588515395588.0/47

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: 2124004.6/24

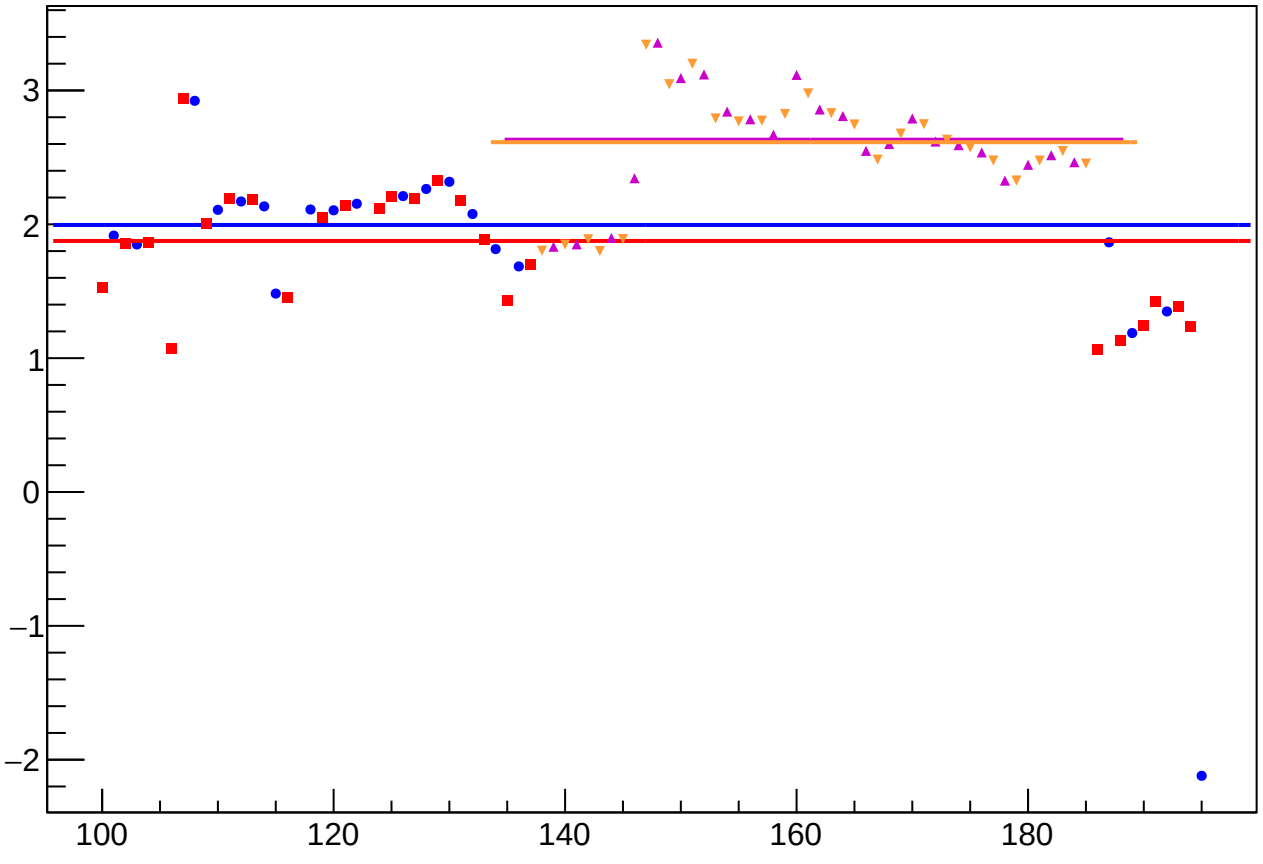
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3077091.9/44

All: 0.005+/-0.000 χ^2/NDF: 6020666.7/92

- sign 0.005+/-0.000 χ^2/NDF: 2940235.8/47

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: 1.876+/-0.000 χ^2/NDF: 37129599451.0/24

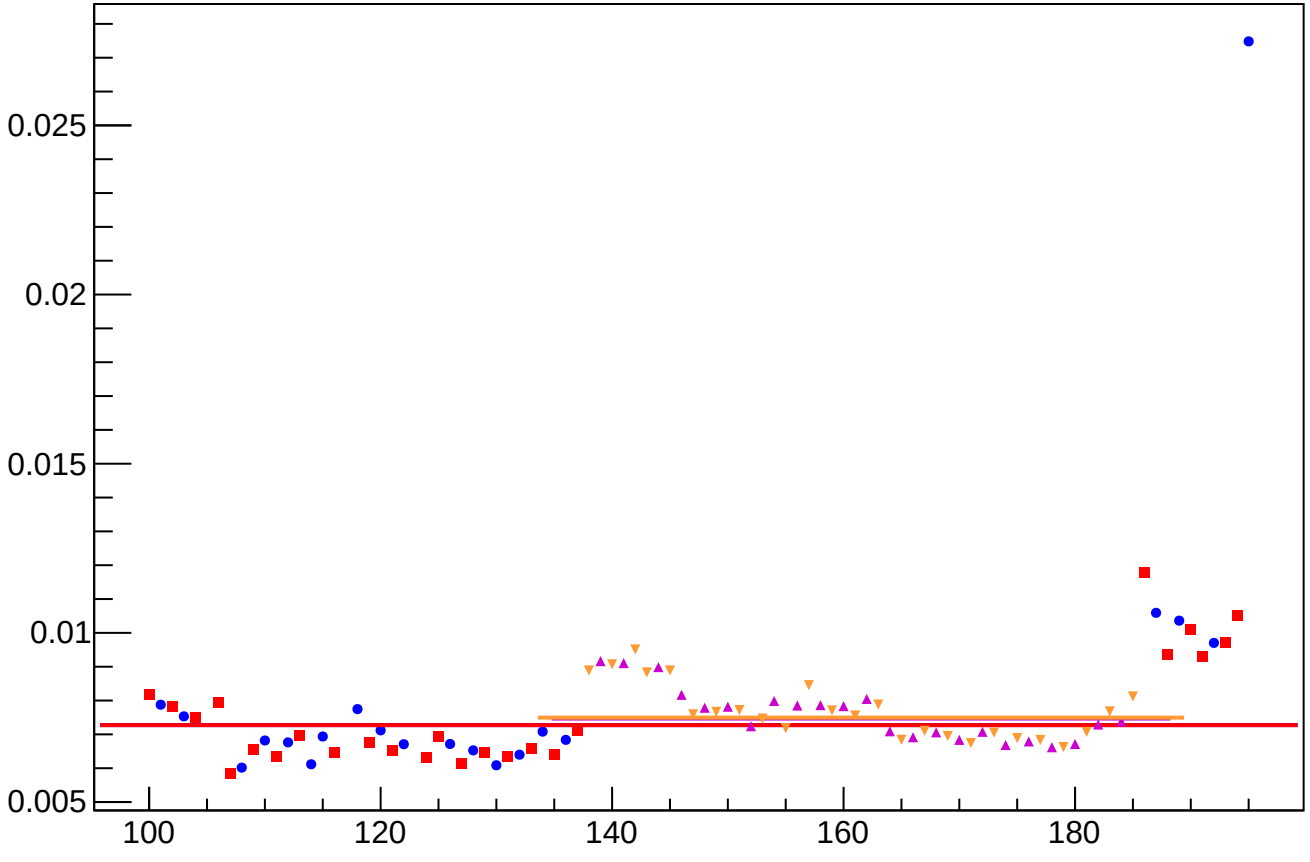
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.405+/-0.000 χ^2/NDF: 130565880884.0/44

All: 2.372+/-0.000 χ^2/NDF: 277612337279.8

- sign 2.341+/-0.000 χ^2/NDF: 146034528992.5/47

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: 719036.9/24

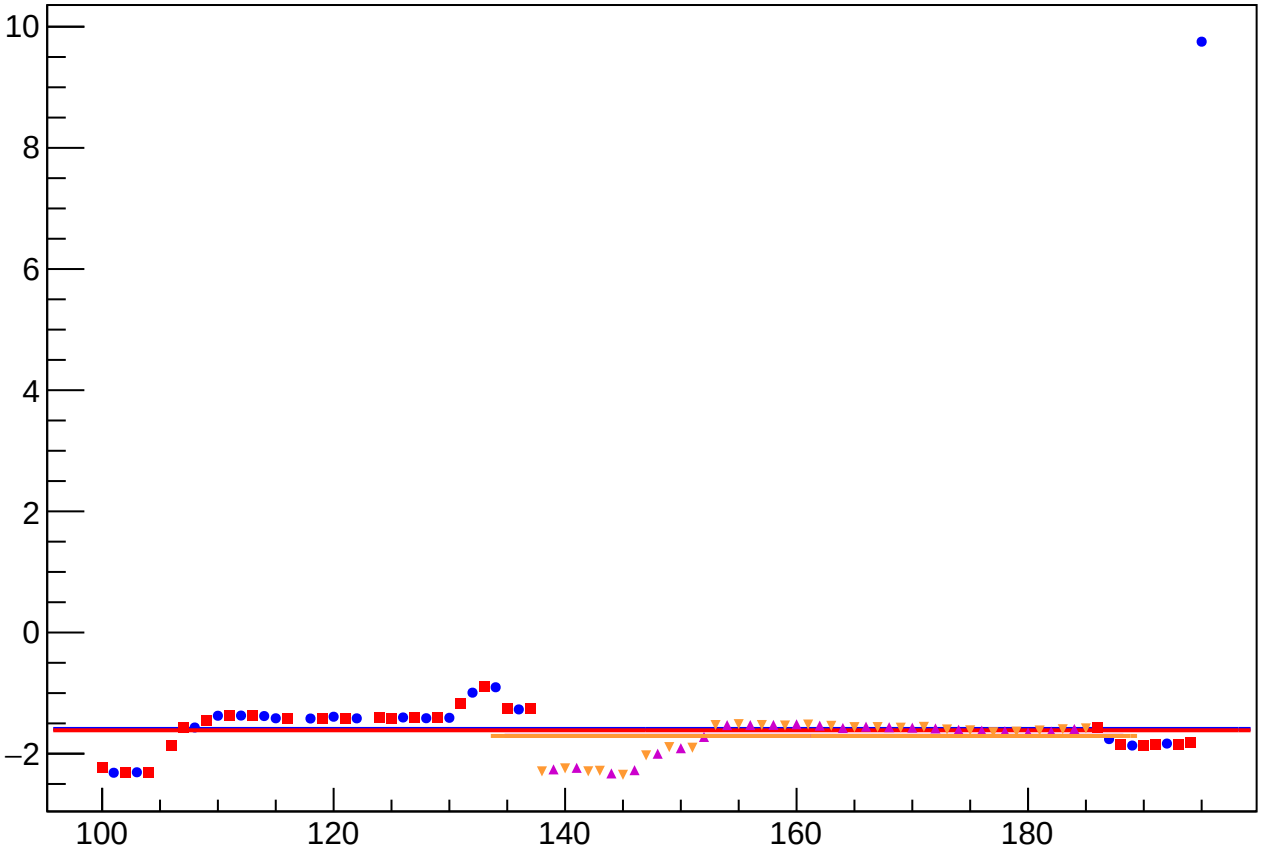
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 1681761.4/44

All: 0.007+/-0.000 χ^2/NDF: 2732183.9/92

- sign 0.007+/-0.000 χ^2/NDF: 1050030.8/47

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: -1.614+/-0.000 χ^2/NDF: 194679373275.0/24

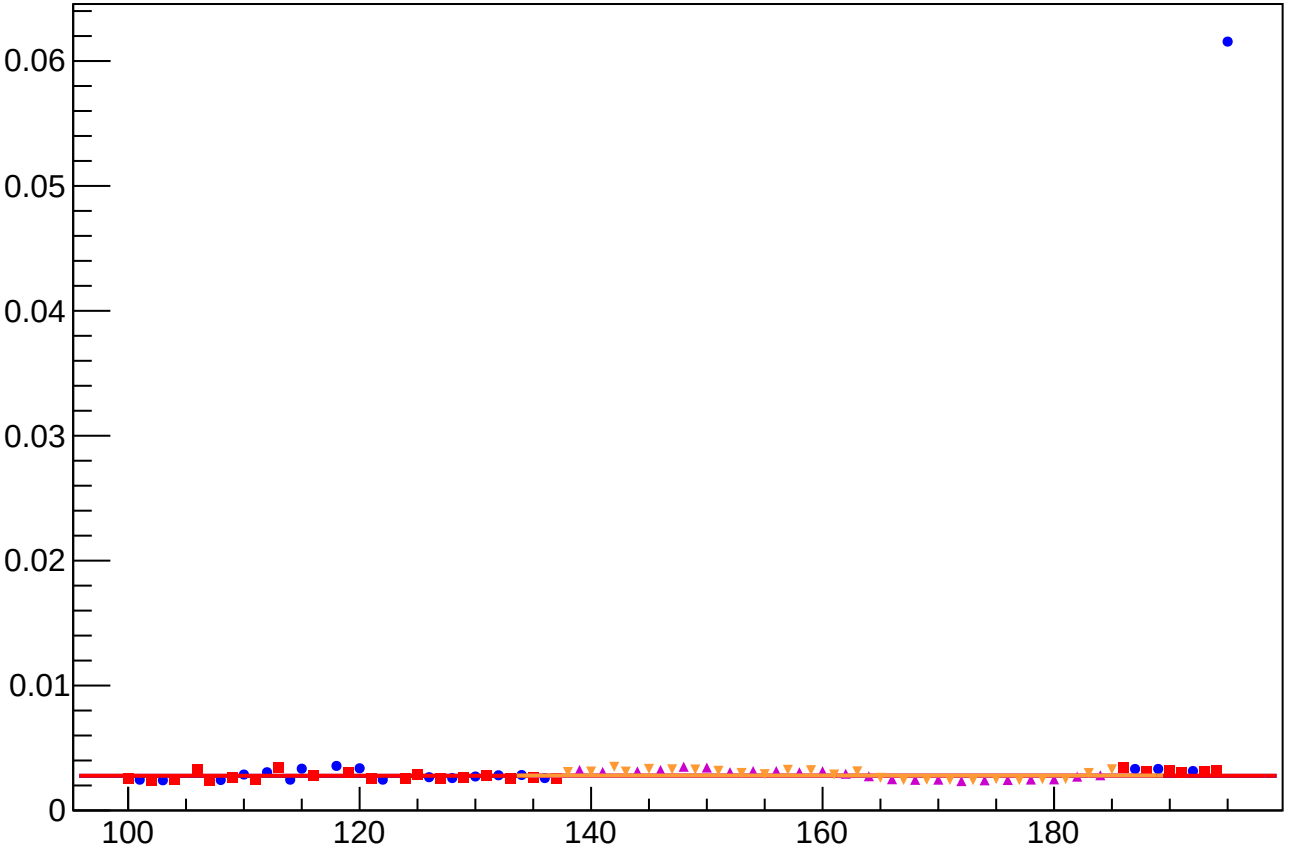
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.670+/-0.000 χ^2/NDF: 377557017546.3/44

All: -1.671+/-0.000 χ^2/NDF: 715724538544.9

- sign -1.671+/-0.000 χ^2/NDF: 338166442154.0/47

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: 263736.3/24

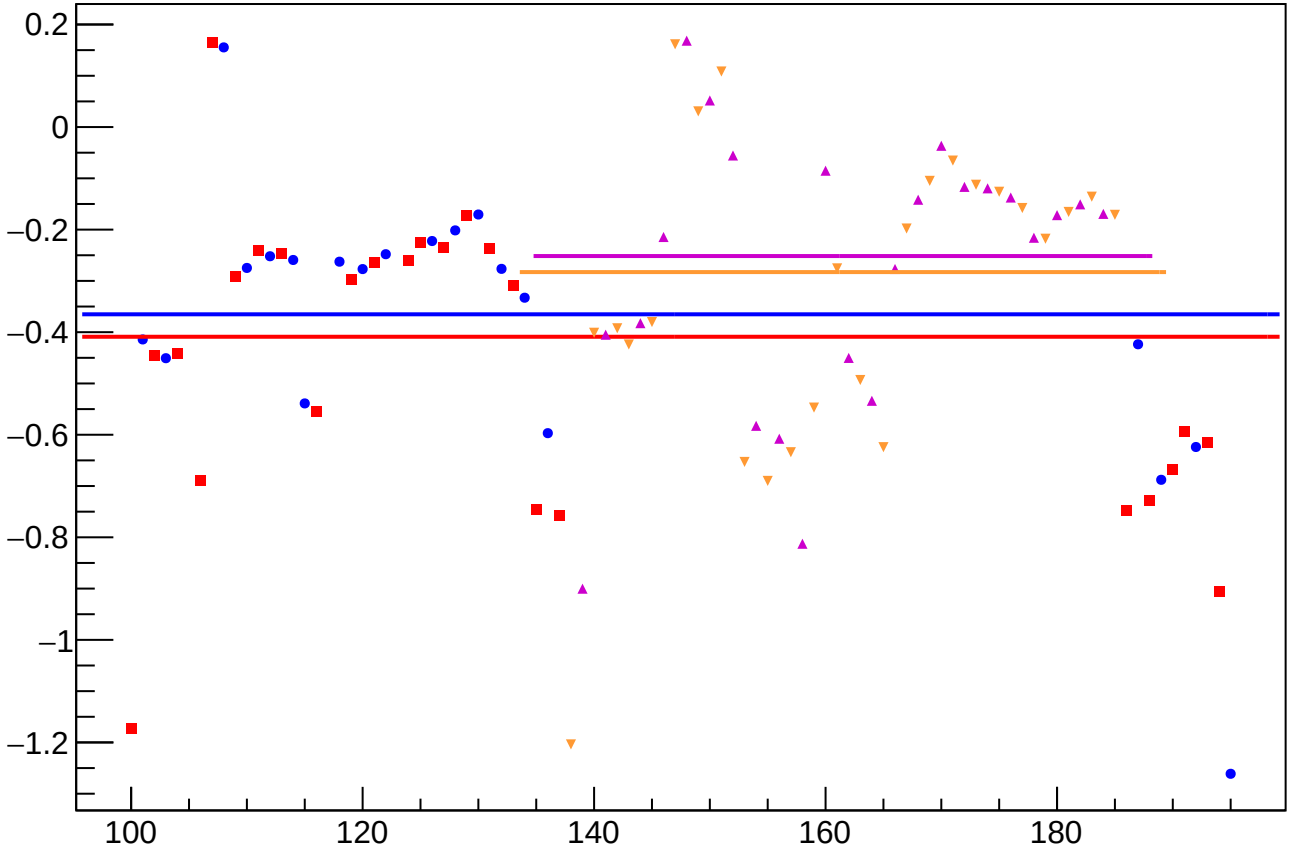
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 2388081.2/44

All: 0.003+/-0.000 χ^2/NDF: 3209067.0/92

- sign 0.003+/-0.000 χ^2/NDF: 820891.1/47

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: -0.409+/-0.000 χ^2/NDF: 4313969497.4/24

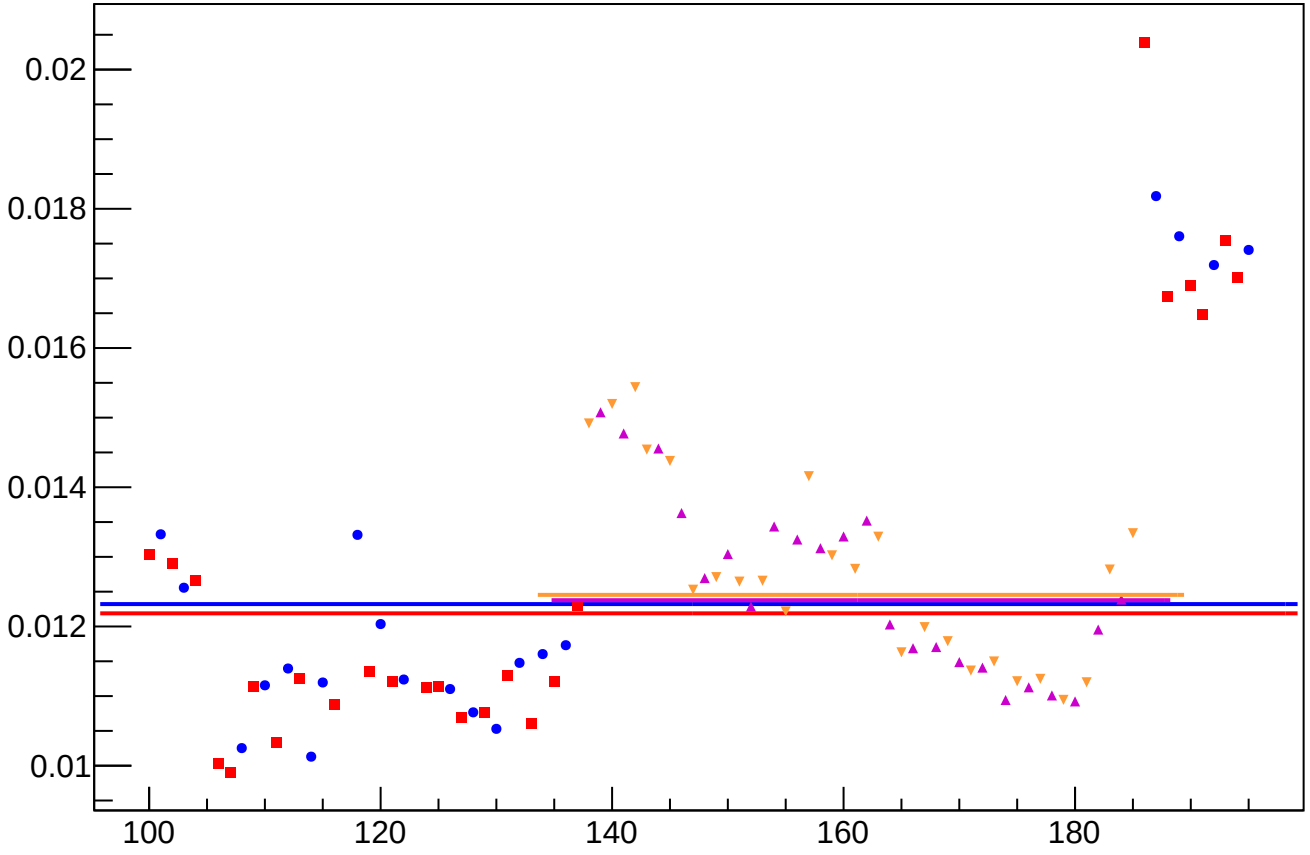
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.311+/-0.000 χ^2/NDF: 14208138525.1/44

All: -0.311+/-0.000 χ^2/NDF: 26762961425.8/

- sign -0.312+/-0.000 χ^2/NDF: 12554692058.2/47

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

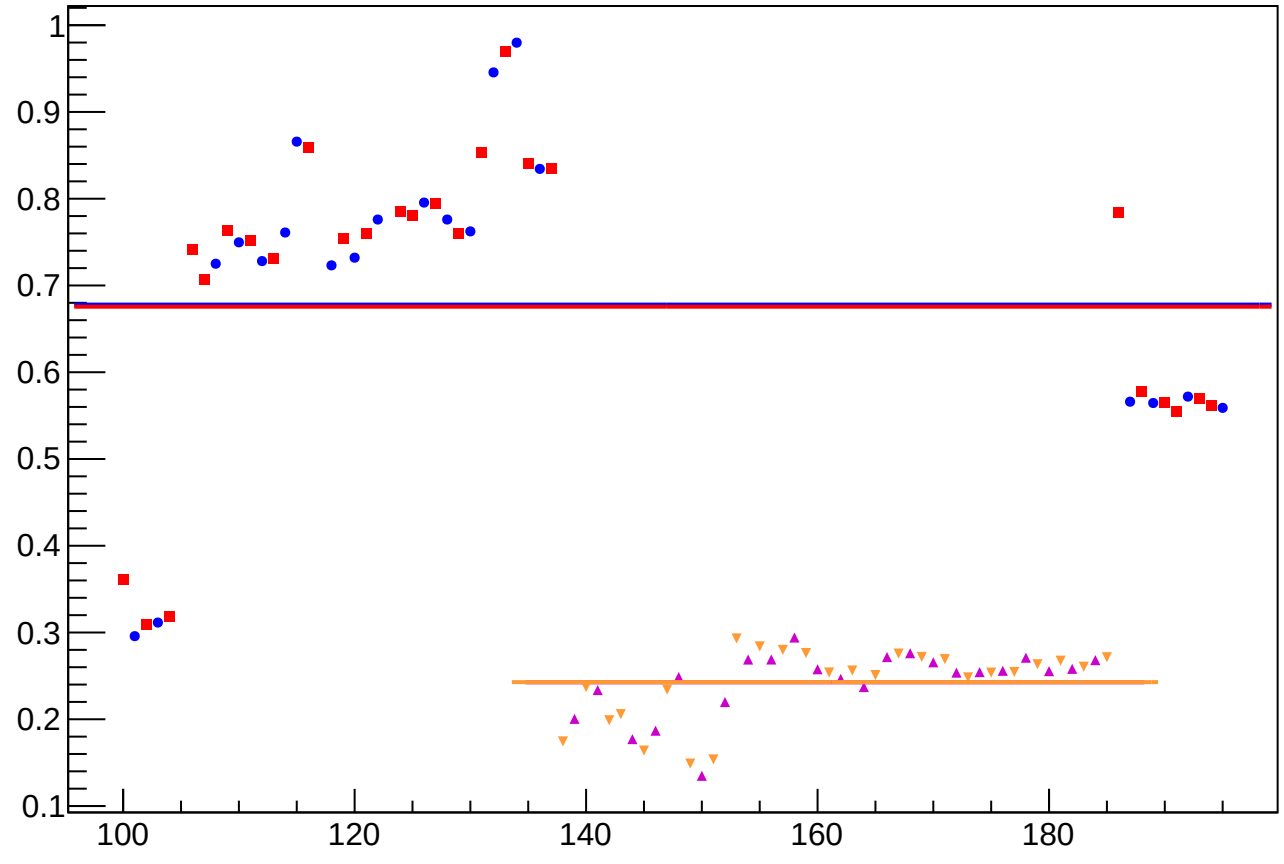
Right Out: 0.012+/-0.000 χ^2/NDF: 830059.1/24

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: 2085175.7/92

- sign 0.012+/-0.000 χ^2/NDF: 1160077.6/47



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: 0.676+/-0.000 χ^2/NDF: 51084067879.1/24

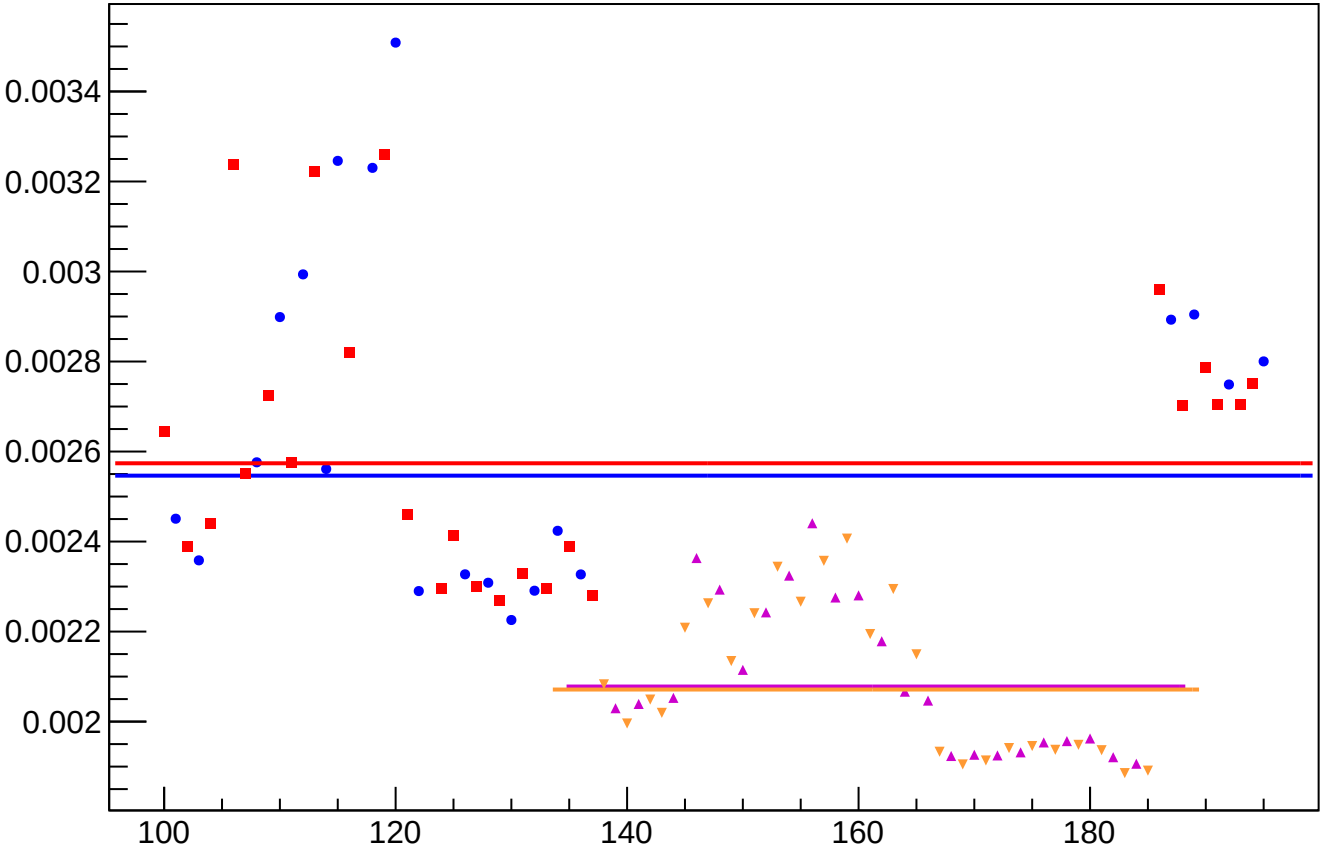
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.349+/-0.000 χ^2/NDF: 266237996284.5/44

All: 0.355+/-0.000 χ^2/NDF: 540095681832.8

- sign 0.362+/-0.000 χ^2/NDF: 273341863302.4/47

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 264675.5/19

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 222828.4/24

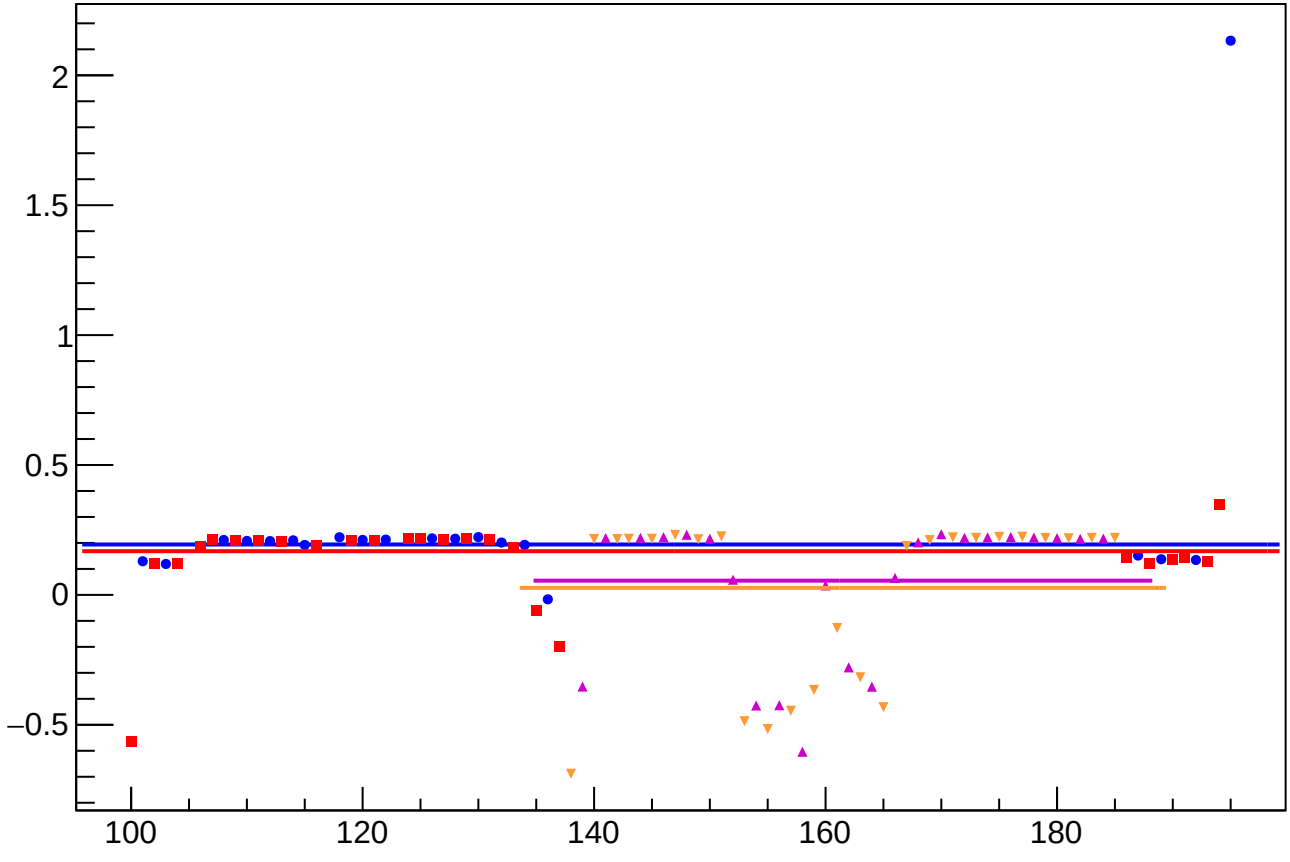
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 987175.4/44

All: 0.002+/-0.000 χ^2/NDF: 1994451.6/92

- sign 0.002+/-0.000 χ^2/NDF: 1002756.2/47

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: 0.168+/-0.000 χ^2/NDF: 1008667764.1/24

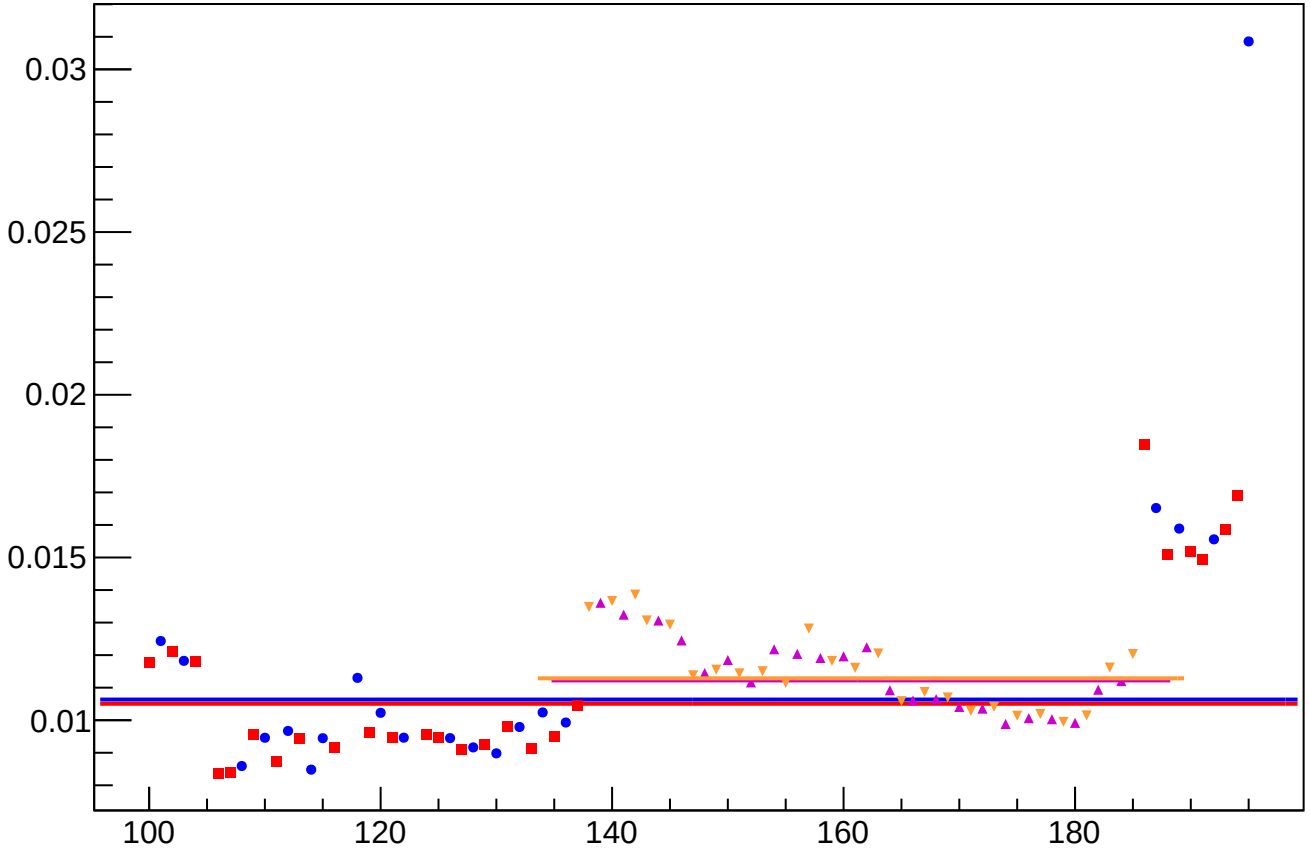
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.086+/-0.000 χ^2/NDF: 18295723734.0/44

All: 0.093+/-0.000 χ^2/NDF: 29744860997.1/9

- sign 0.100+/-0.000 χ^2/NDF: 11424607960.7/47

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

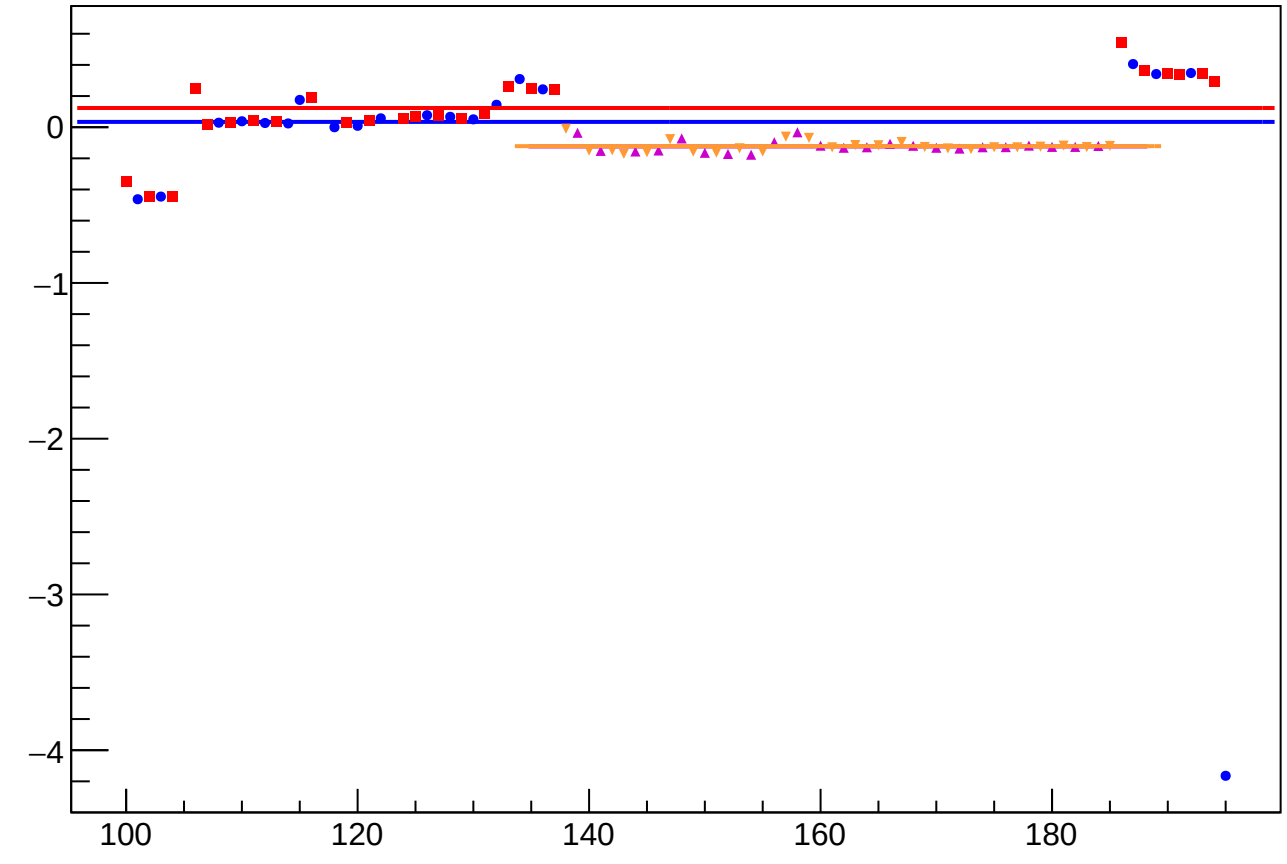
Right Out: 0.011+/-0.000 χ^2/NDF: 1114187.5/24

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: 3189815.1/92

- sign 0.011+/-0.000 χ^2/NDF: 1486383.2/47



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: 0.123+/-0.000 χ^2/NDF: 44360981988.0/24

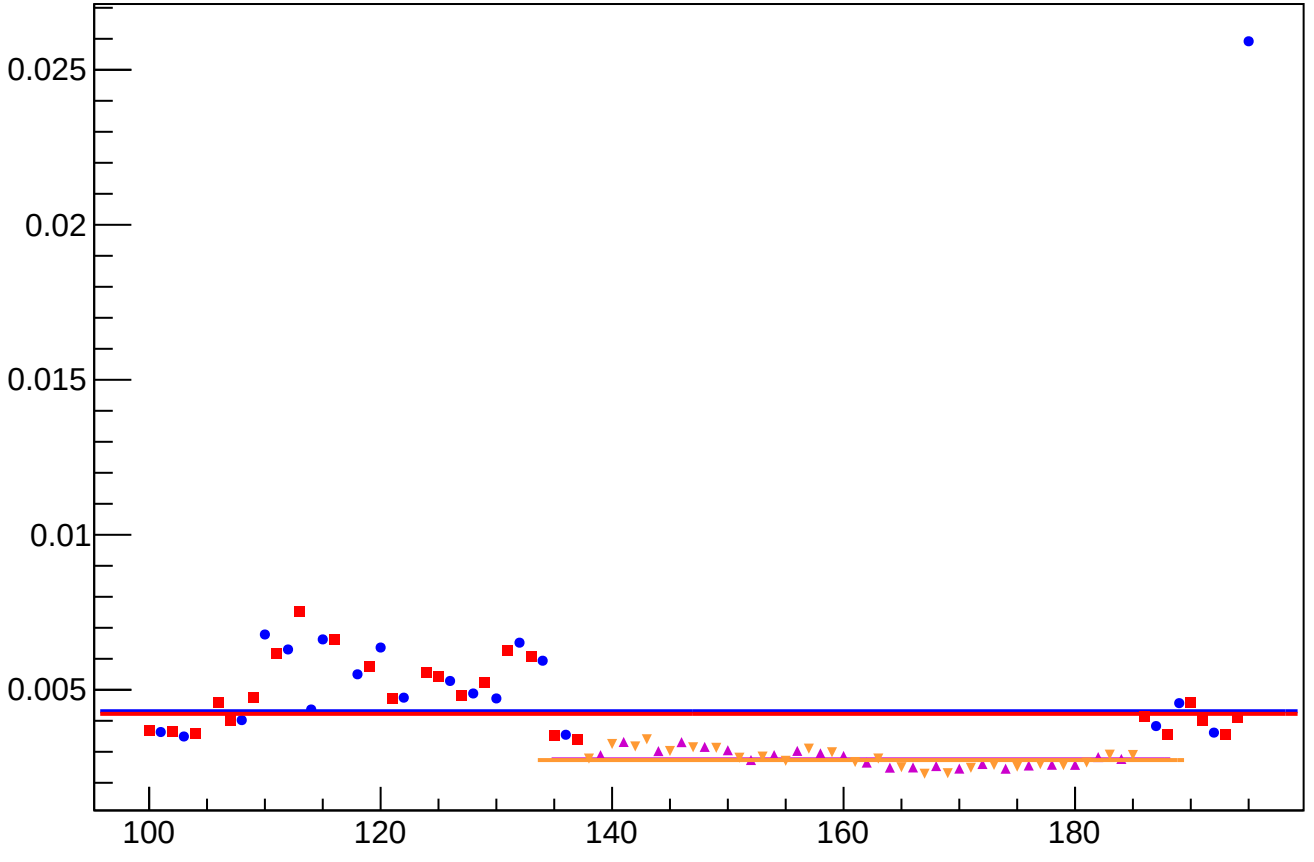
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.099+/-0.000 χ^2/NDF: 72250886975.9/44

All: -0.088+/-0.000 χ^2/NDF: 146699092276.0

- sign -0.077+/-0.000 χ^2/NDF: 73752314485.5/47

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: 872490.9/24

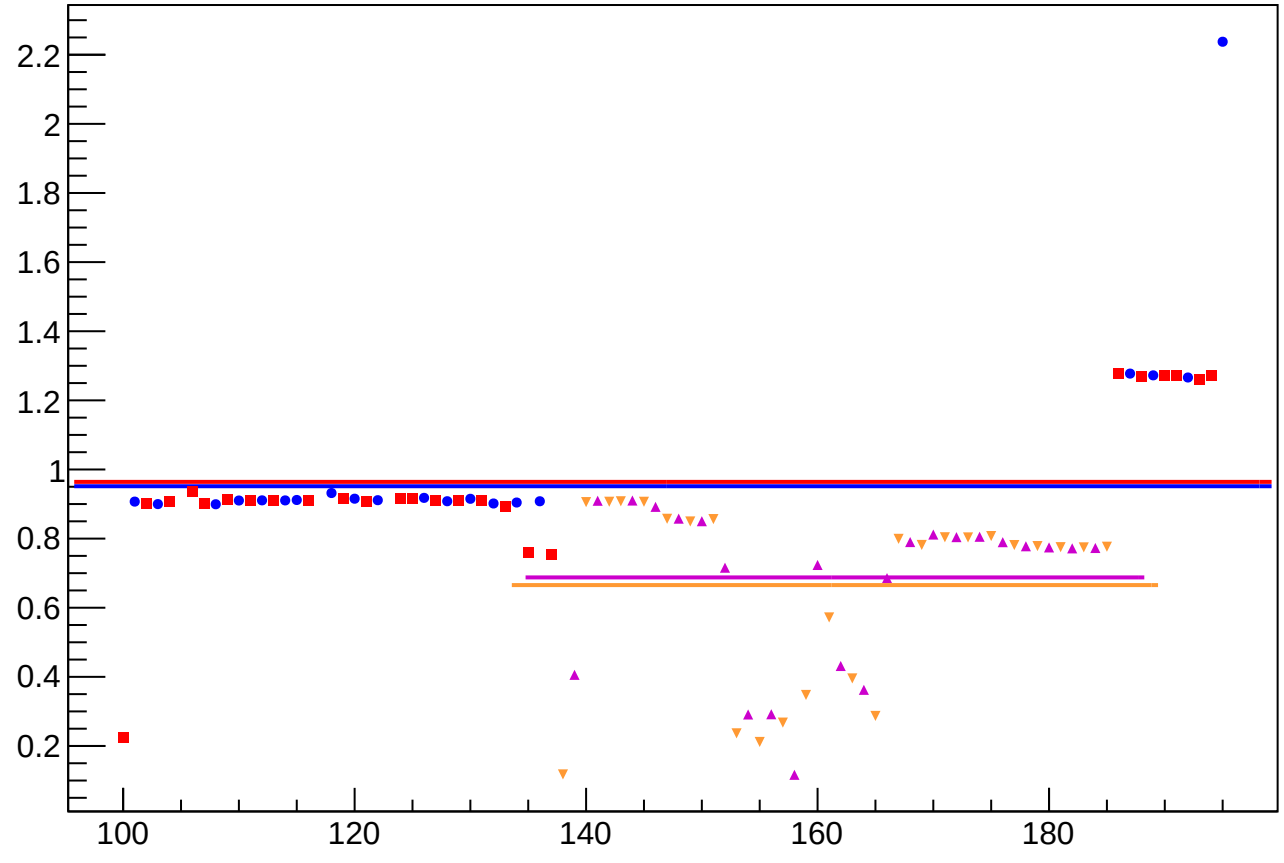
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 4158653.2/44

All: 0.003+/-0.000 χ^2/NDF: 7216561.2/92

- sign 0.003+/-0.000 χ^2/NDF: 3044085.6/47

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: 0.964+/-0.000 χ^2/NDF: 2038090583.5/24

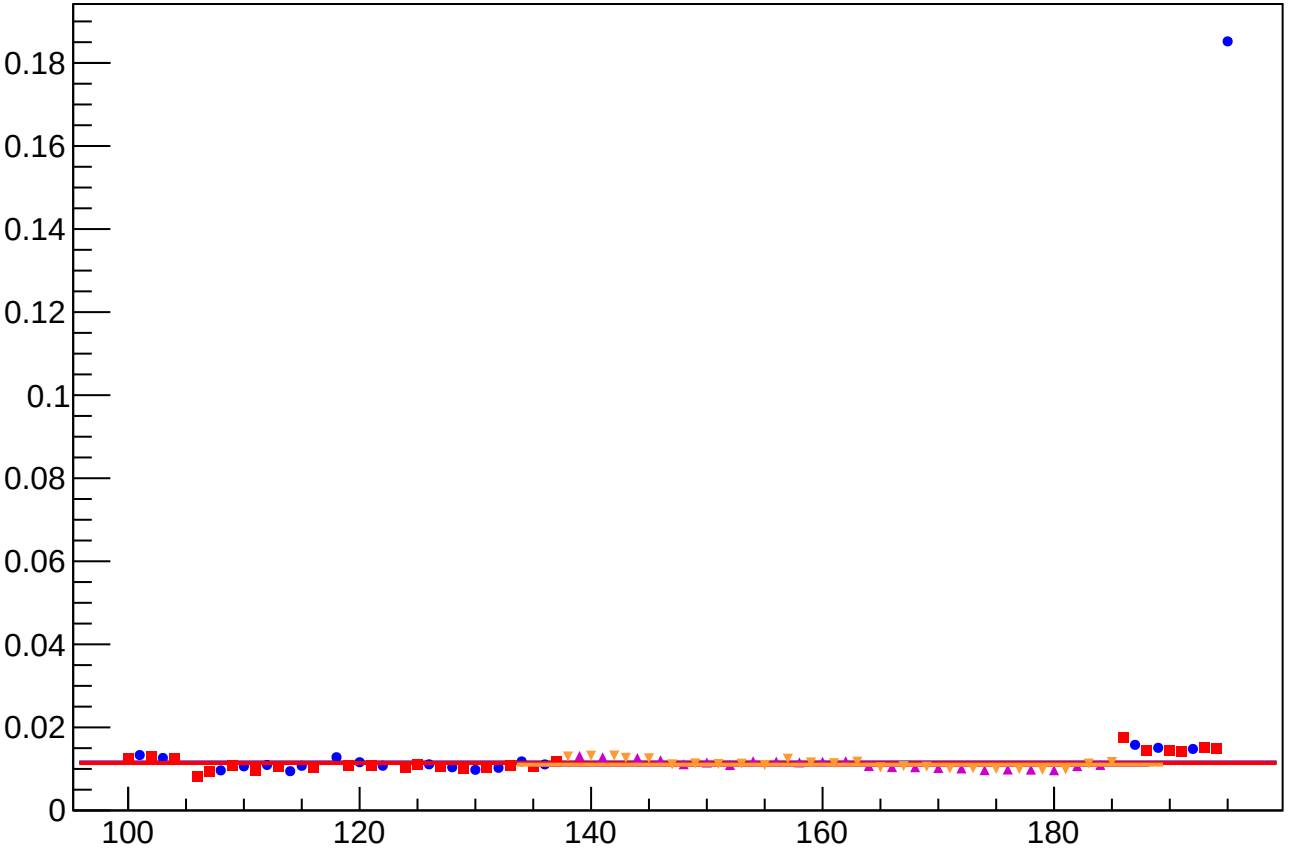
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.750+/-0.000 χ^2/NDF: 13766611360.4/44

All: 0.768+/-0.000 χ^2/NDF: 26845488481.6/9

- sign 0.785+/-0.000 χ^2/NDF: 12945508346.9/47

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: 610656.3/24

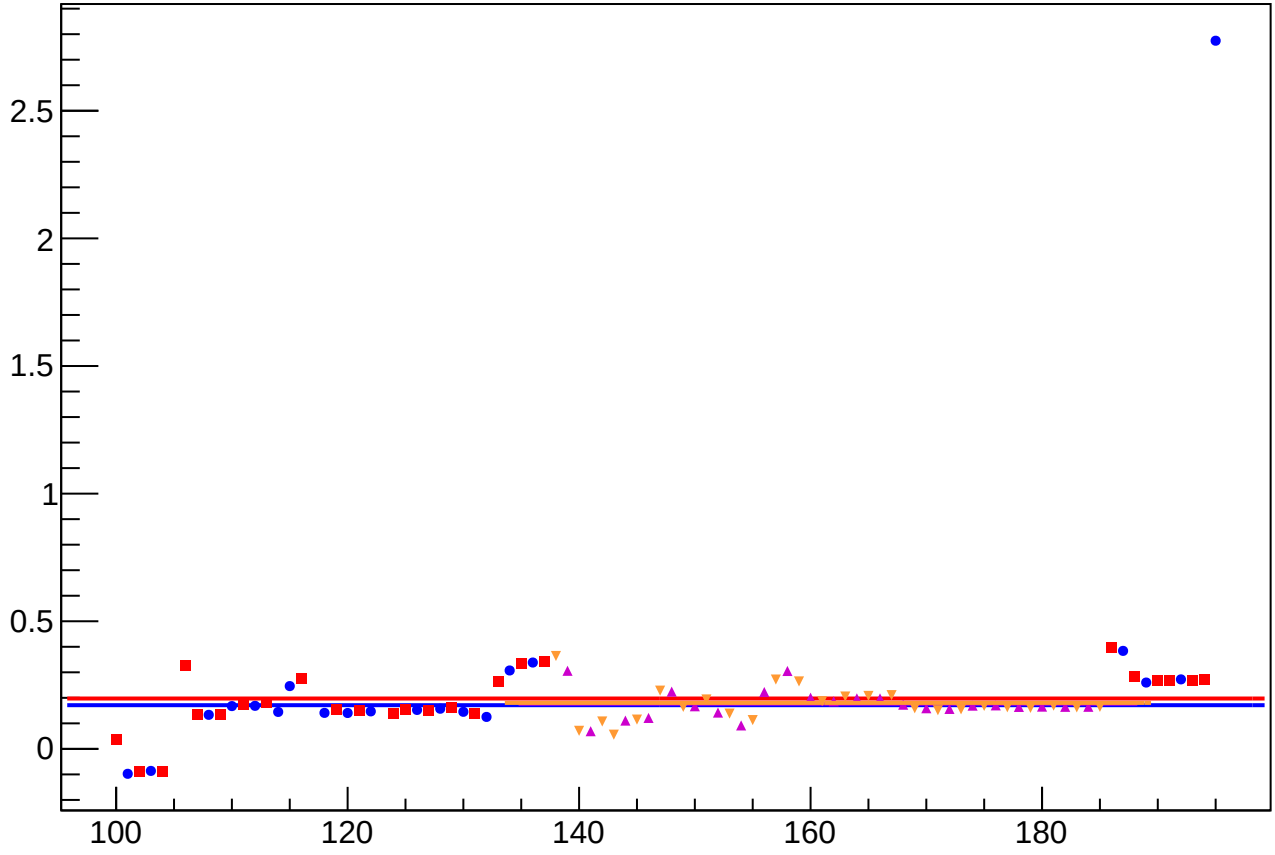
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2201539.7/44

All: 0.011+/-0.000 χ^2/NDF: 3121620.6/92

- sign 0.011+/-0.000 χ^2/NDF: 919260.3/47

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: 0.197+/-0.000 χ^2/NDF: 9398218742.6/24

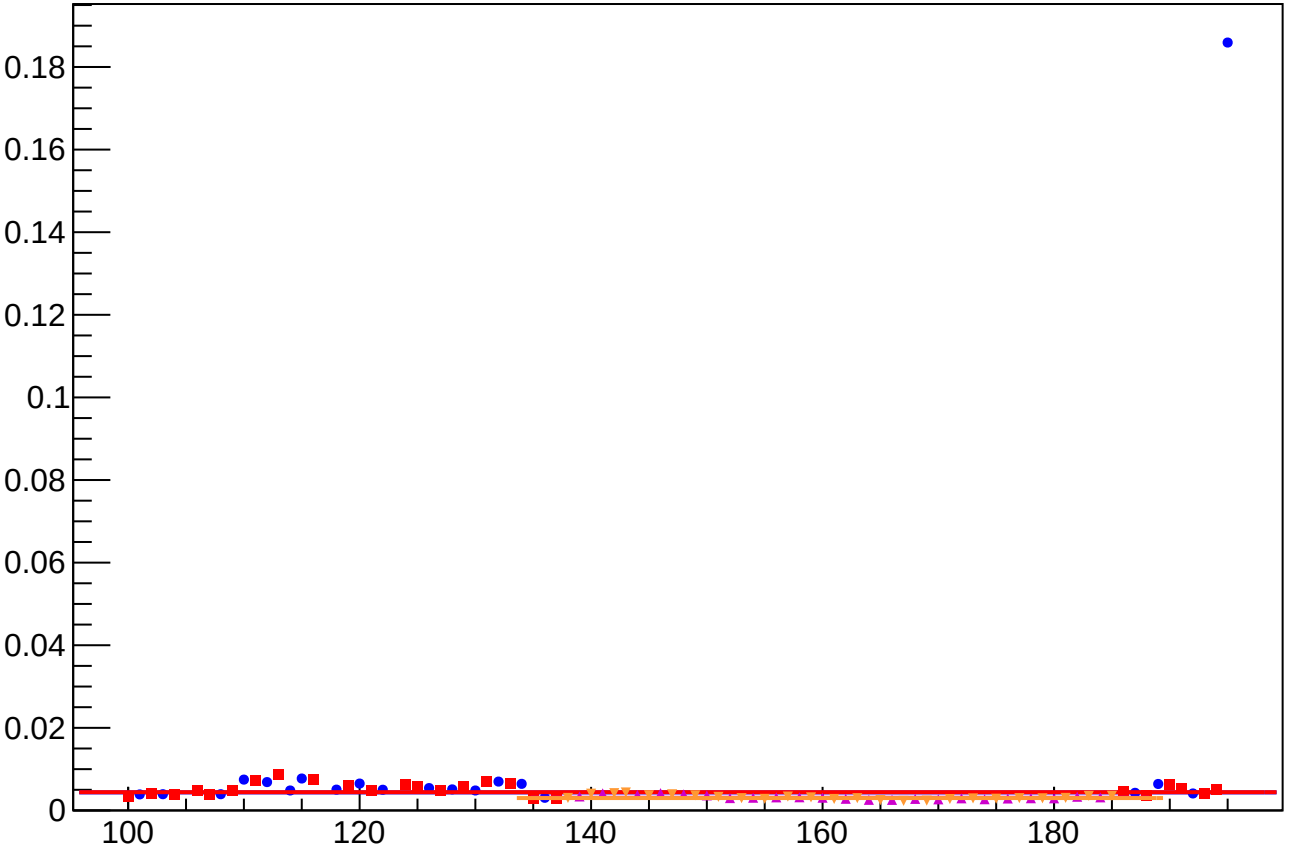
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 15767624679.7/44

All: 0.180+/-0.000 χ^2/NDF: 29942551705.3/9

- sign 0.181+/-0.000 χ^2/NDF: 14166699135.6/47

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

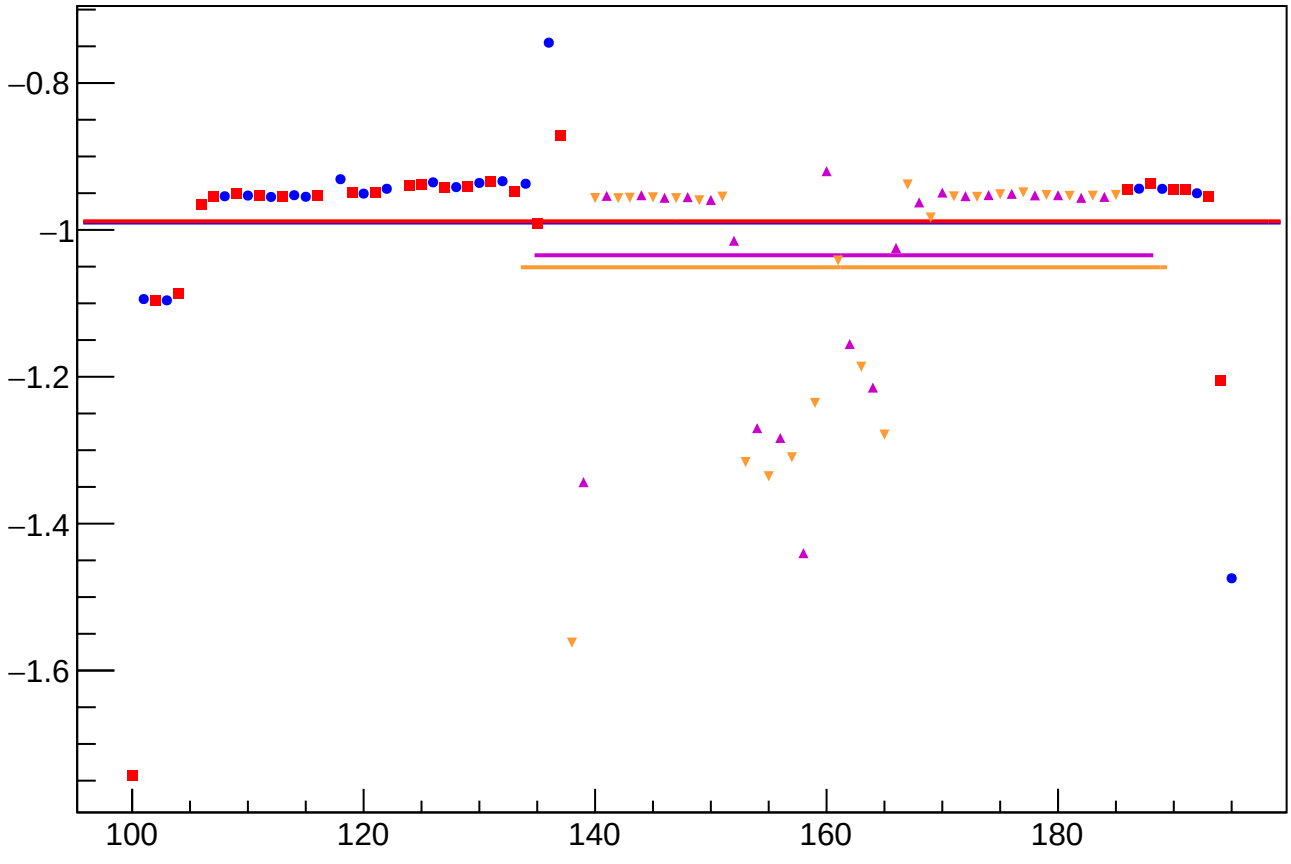
Right Out: 0.004+/-0.000 χ^2/NDF: 1253845.6/24

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: 7952162.6/92

- sign 0.003+/-0.000 χ^2/NDF: 3169564.2/47



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: -0.988+/-0.000 χ^2/NDF: 760459713.9/24

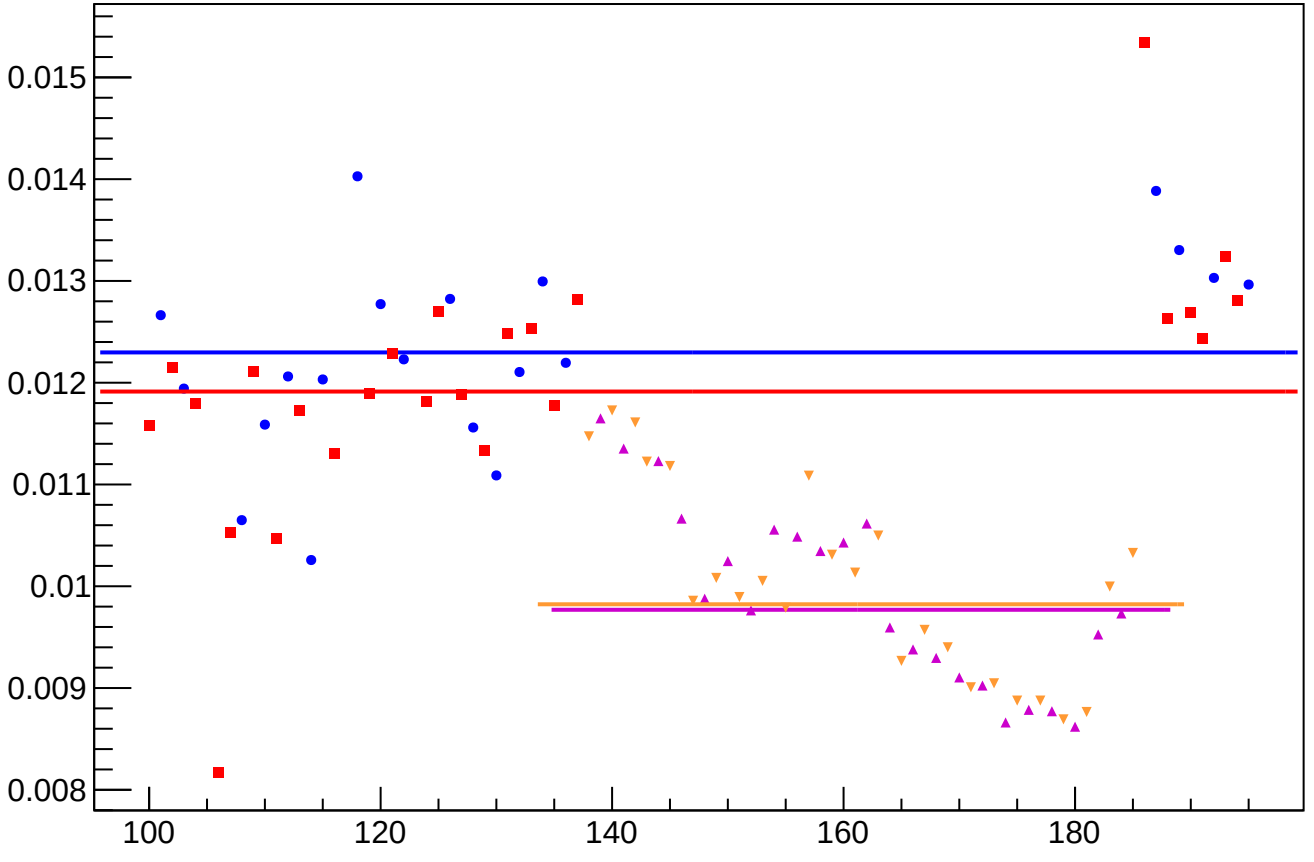
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.036+/-0.000 χ^2/NDF: 6961820514.3/44

All: -1.028+/-0.000 χ^2/NDF: 11790775708.5/

- sign -1.021+/-0.000 χ^2/NDF: 4800476091.5/47

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

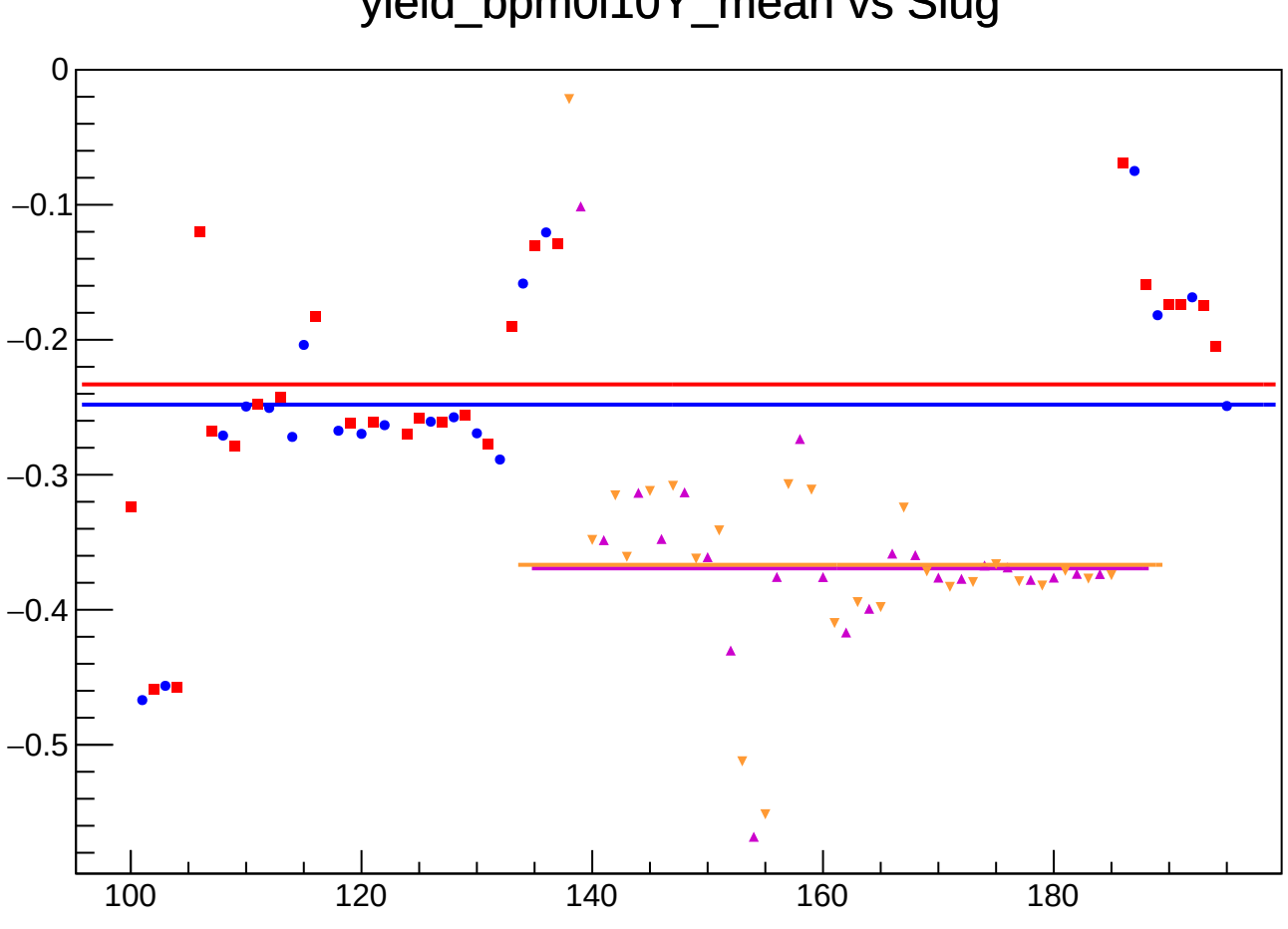
Right Out: 0.012+/-0.000 χ^2/NDF: 241092.2/24

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: 1970601.5/92

- sign 0.010+/-0.000 χ^2/NDF: 1014212.2/47



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: -0.233+/-0.000 χ^2/NDF: 6659405652.4/24

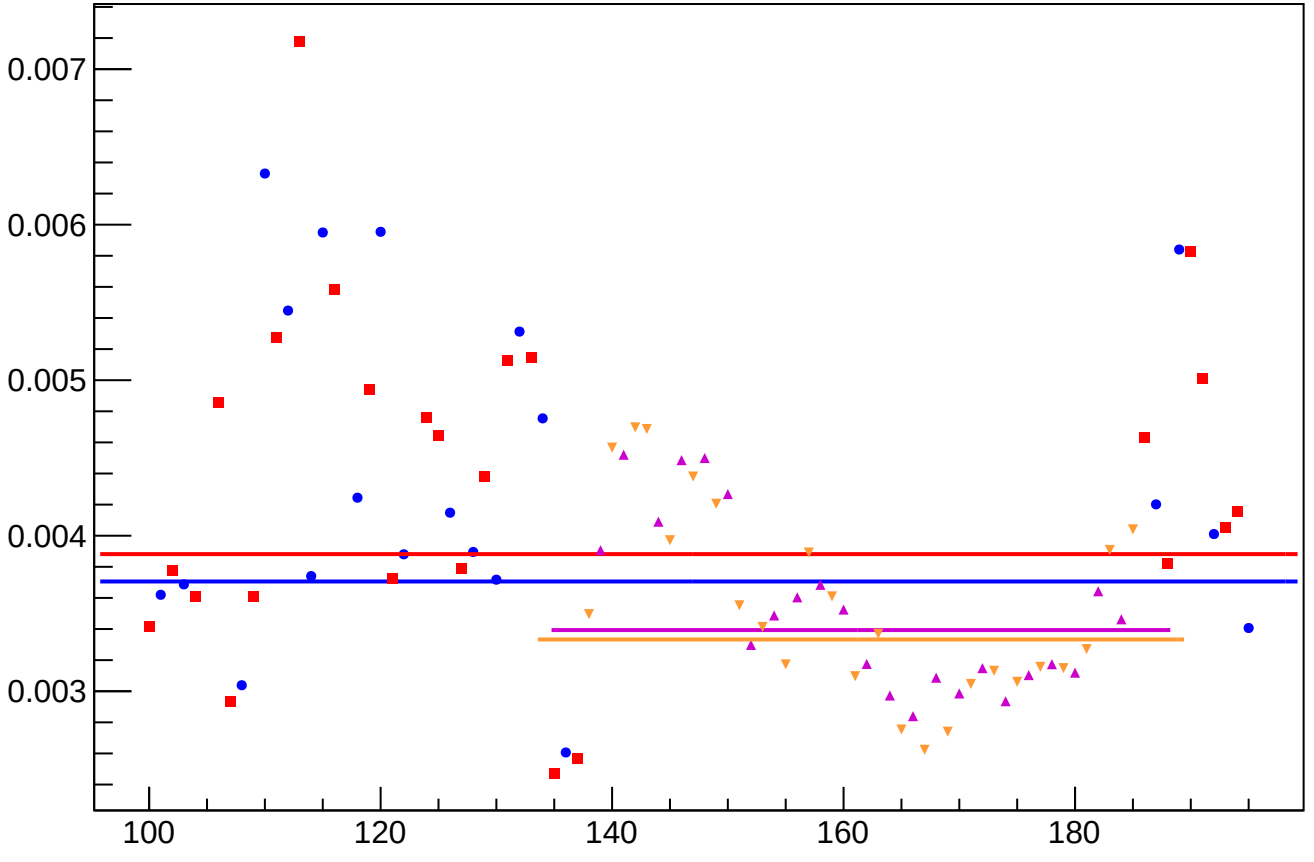
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.334+/-0.000 χ^2/NDF: 24892341294.8/44

All: -0.331+/-0.000 χ^2/NDF: 47225498346.2/

- sign -0.328+/-0.000 χ^2/NDF: 22293988255.1/47

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: 1035651.2/24

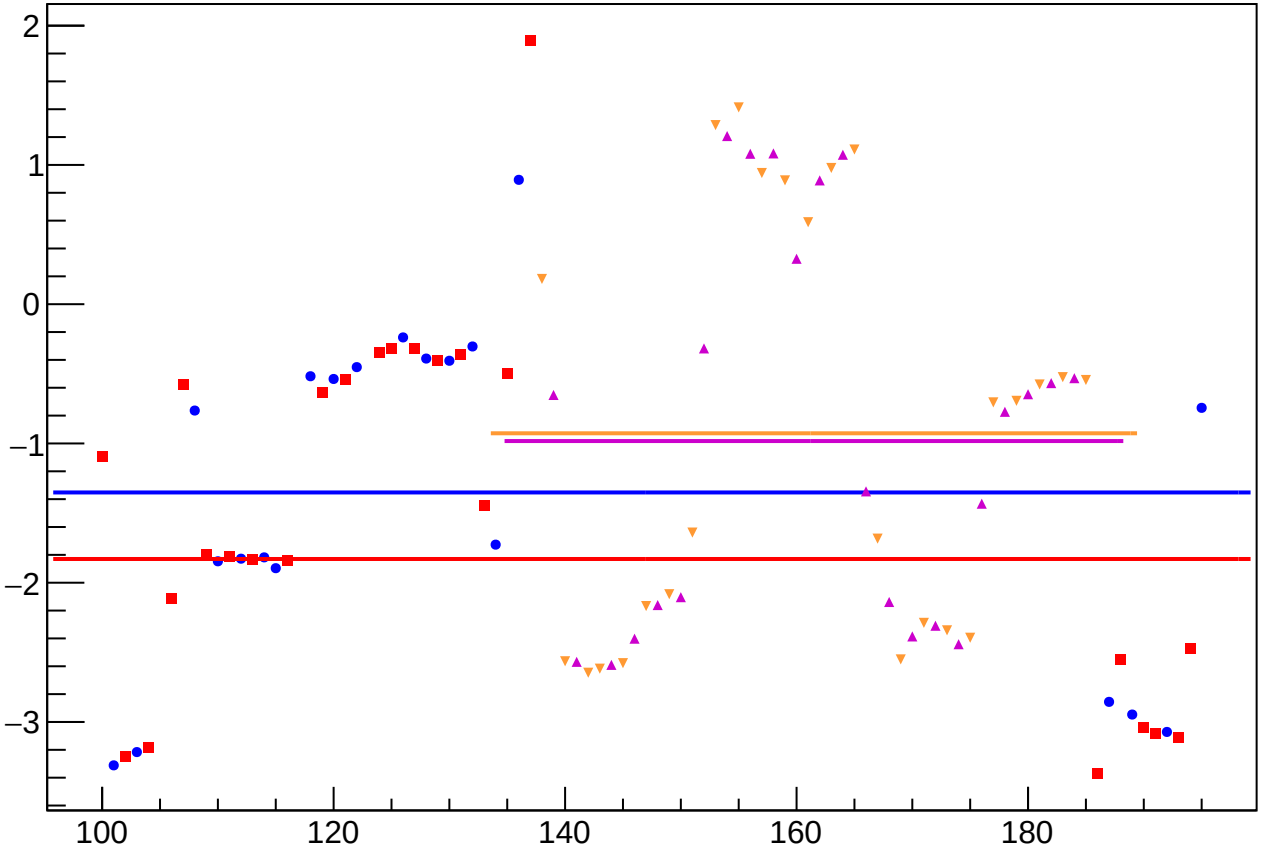
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1872162.0/44

All: 0.003+/-0.000 χ^2/NDF: 3772126.6/92

- sign 0.004+/-0.000 χ^2/NDF: 1876189.3/47

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: -1.830+/-0.000 χ^2/NDF: 3018147609.1/24

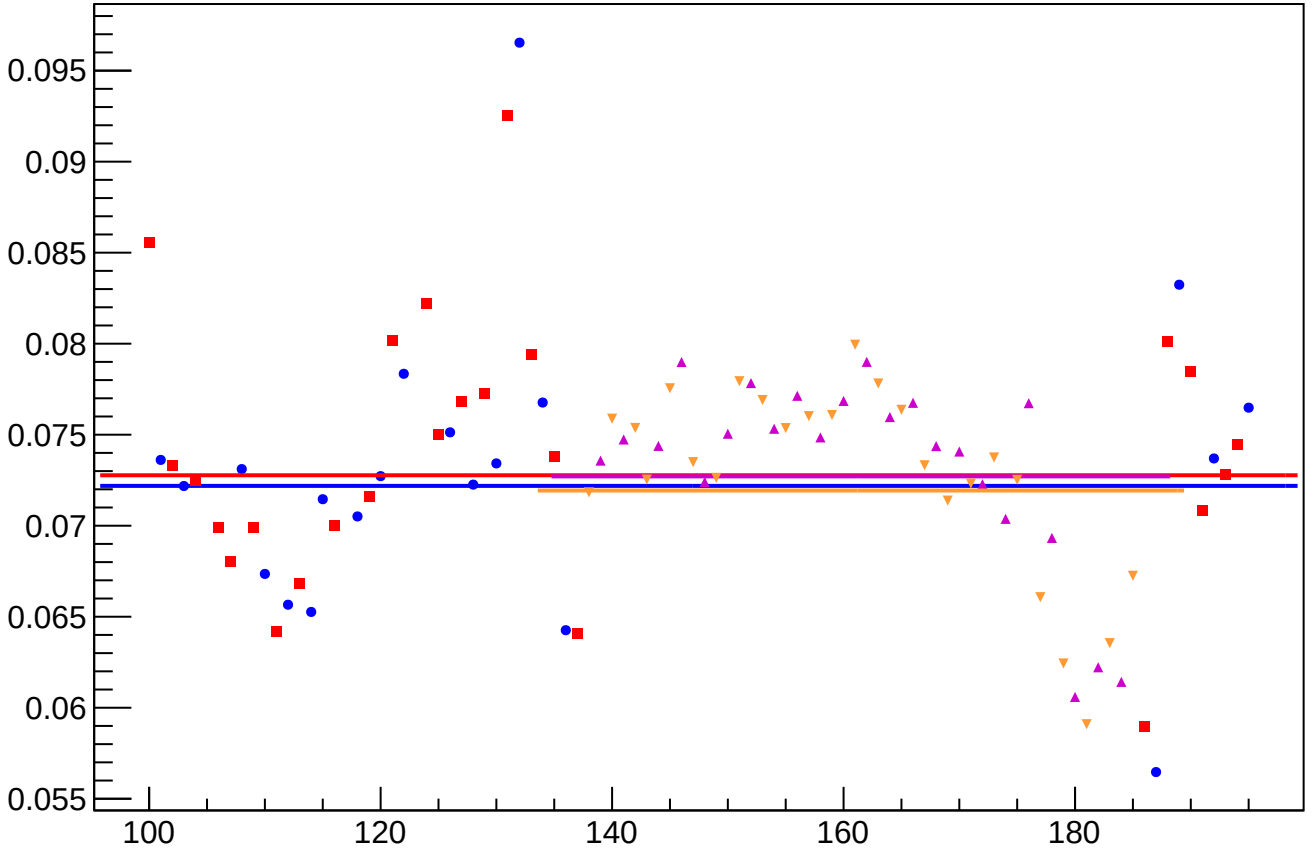
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.068+/-0.000 χ^2/NDF: 10835930694.3/44

All: -1.184+/-0.000 χ^2/NDF: 20837010156.6/

- sign -1.302+/-0.000 χ^2/NDF: 9852191236.6/47

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

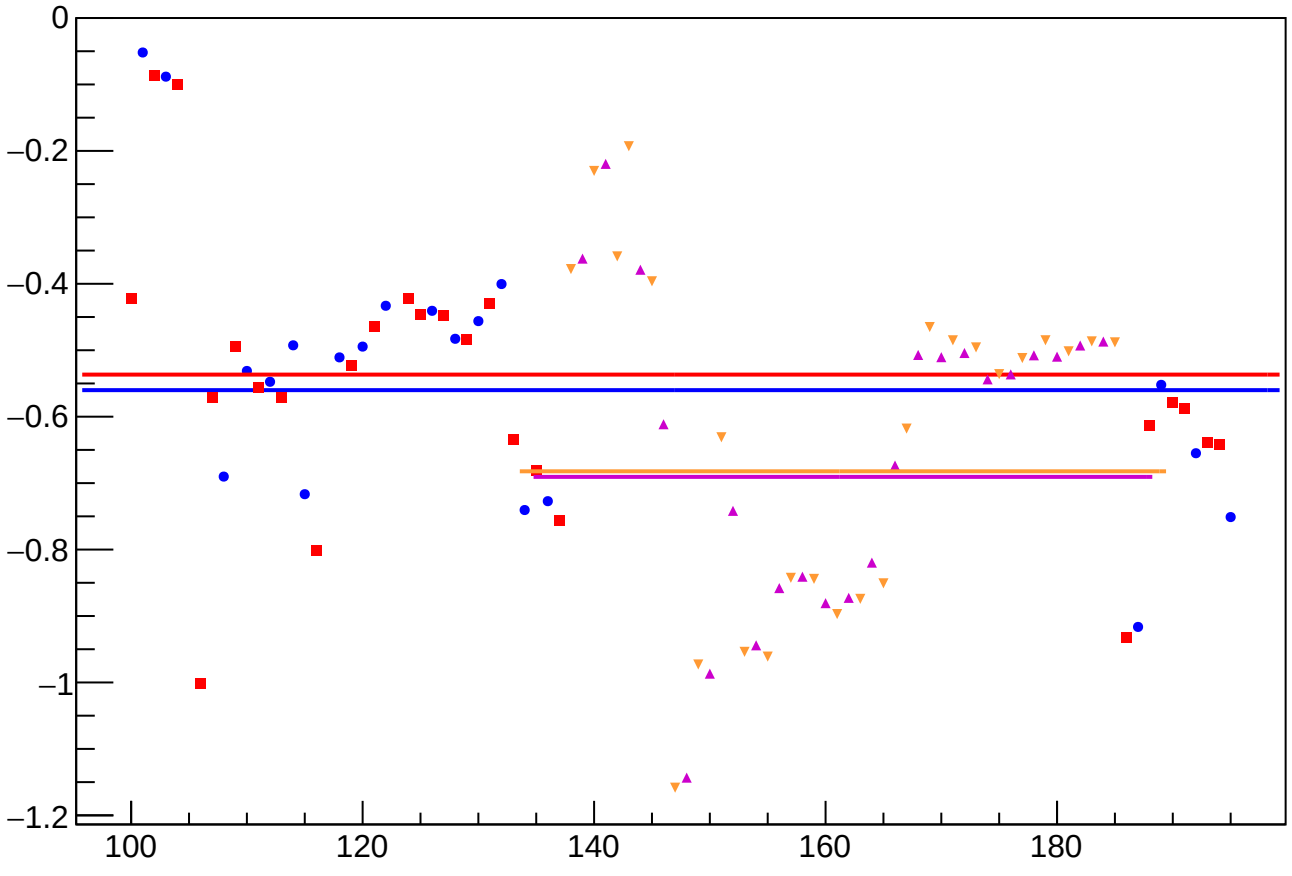
Right Out: 0.073+/-0.000 χ^2/NDF: 161335.9/24

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: 750843.8/92

- sign 0.073+/-0.000 χ^2/NDF: 358355.1/47



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: -0.537+/-0.000 χ^2/NDF: 4528732796.0/24

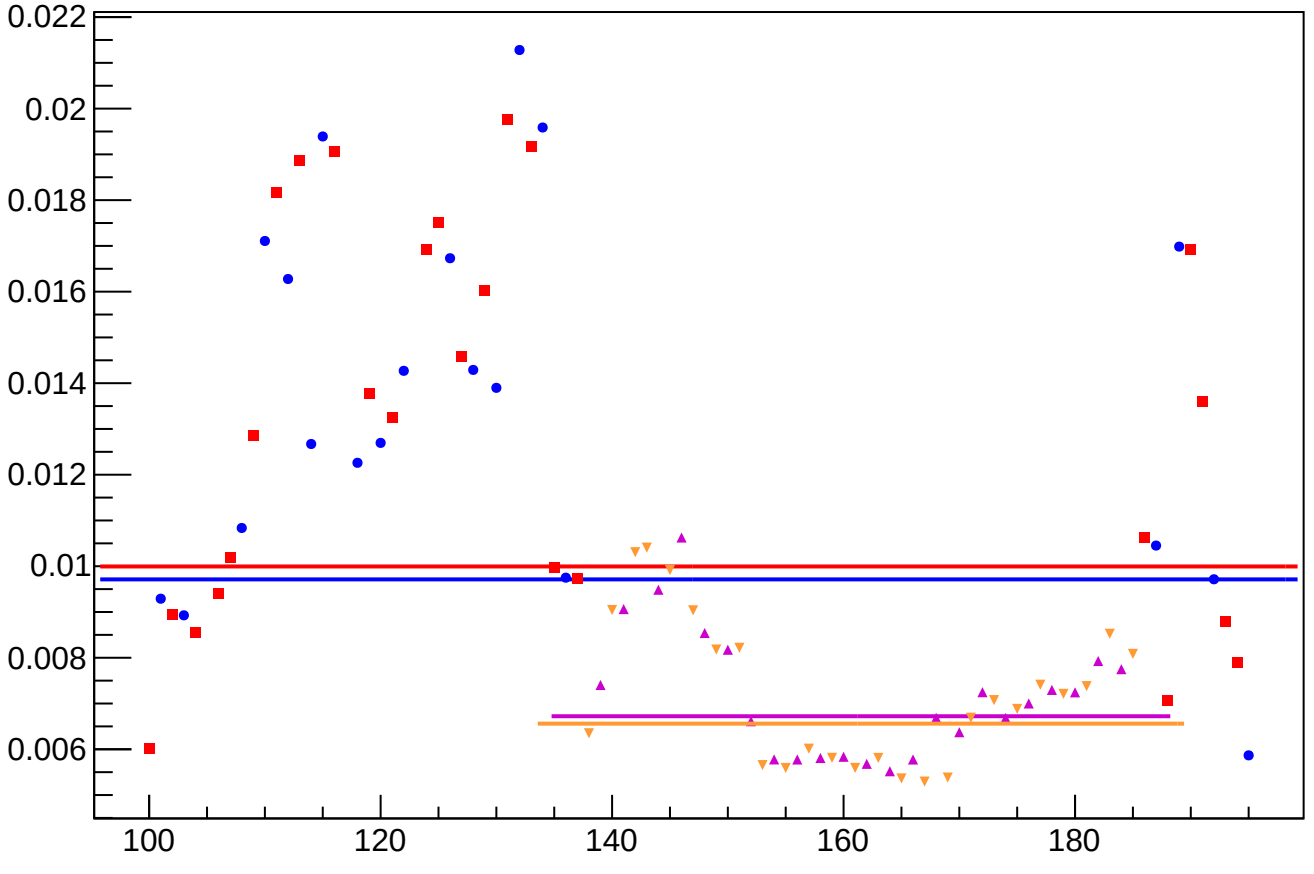
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.662+/-0.000 χ^2/NDF: 28012296674.4/44

All: -0.661+/-0.000 χ^2/NDF: 5109364892.9/

- sign -0.661+/-0.000 χ^2/NDF: 23081241976.5/47

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: 0.010+/-0.000 χ^2/NDF: 1909565.4/24

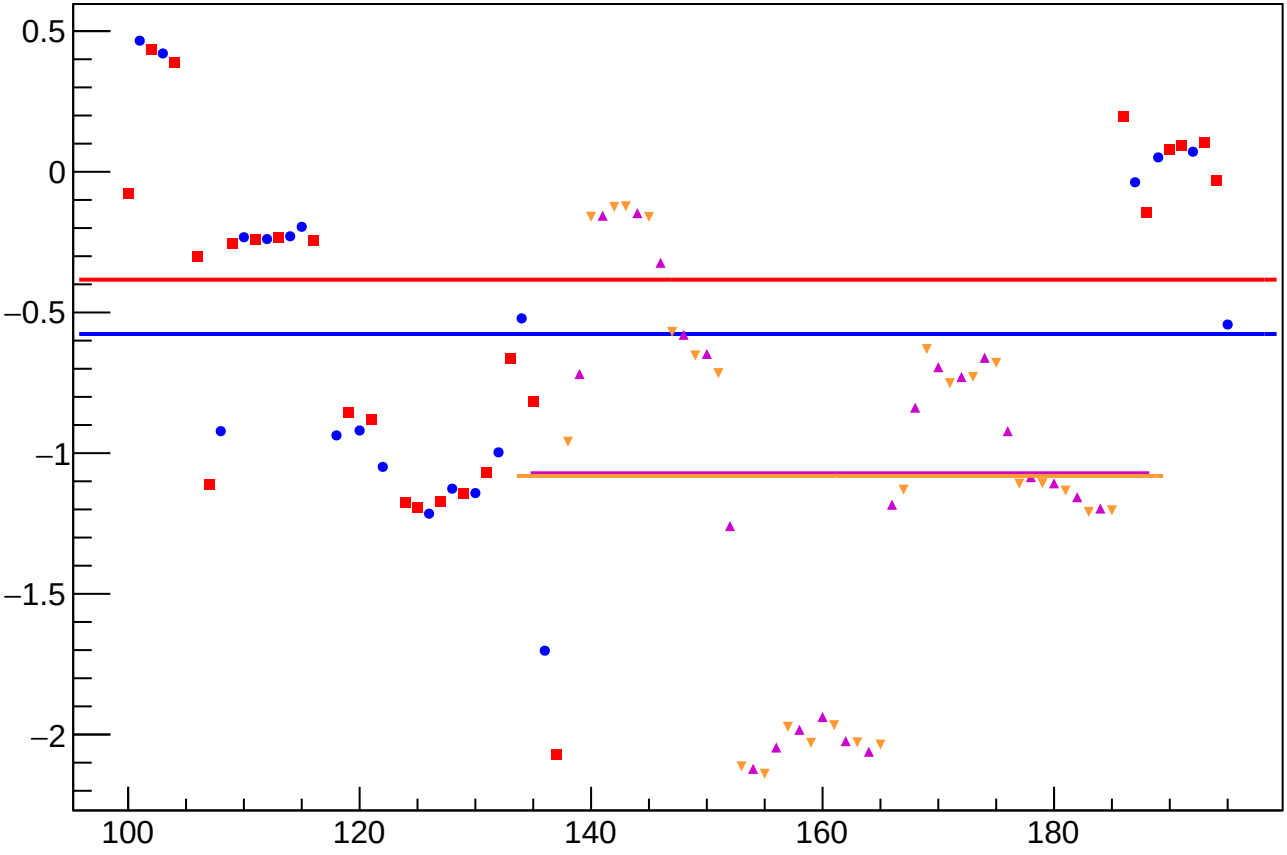
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4800445.0/44

All: 0.007+/-0.000 χ^2/NDF: 9226346.8/92

- sign 0.007+/-0.000 χ^2/NDF: 4393790.6/47

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: -0.383+/-0.000 χ^2/NDF: 468365345.0/24

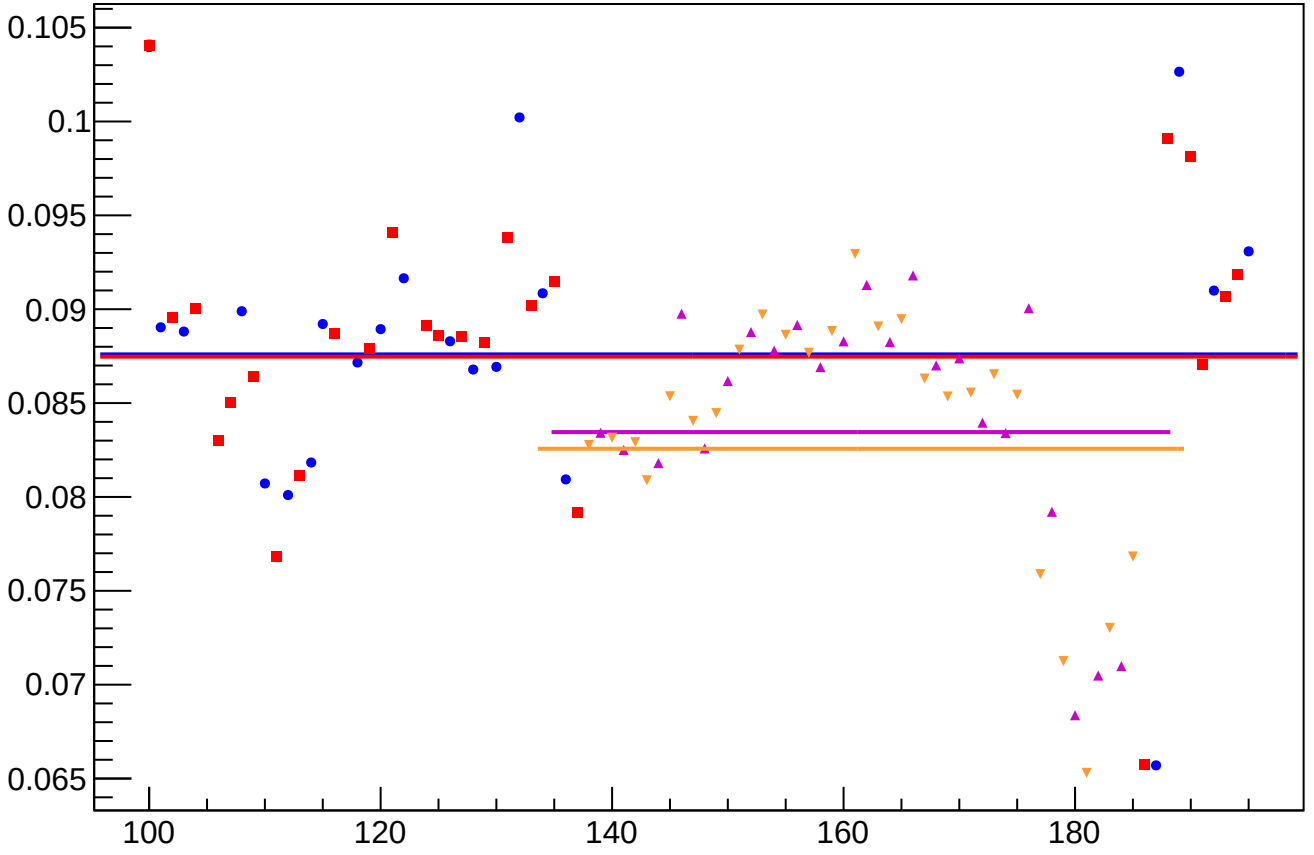
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.924+/-0.000 χ^2/NDF: 1911579042.1/44

All: -0.875+/-0.000 χ^2/NDF: 3813756354.2/9

- sign -0.826+/-0.000 χ^2/NDF: 1882702963.6/47

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: 0.087+/-0.000 χ^2/NDF: 175795.5/24

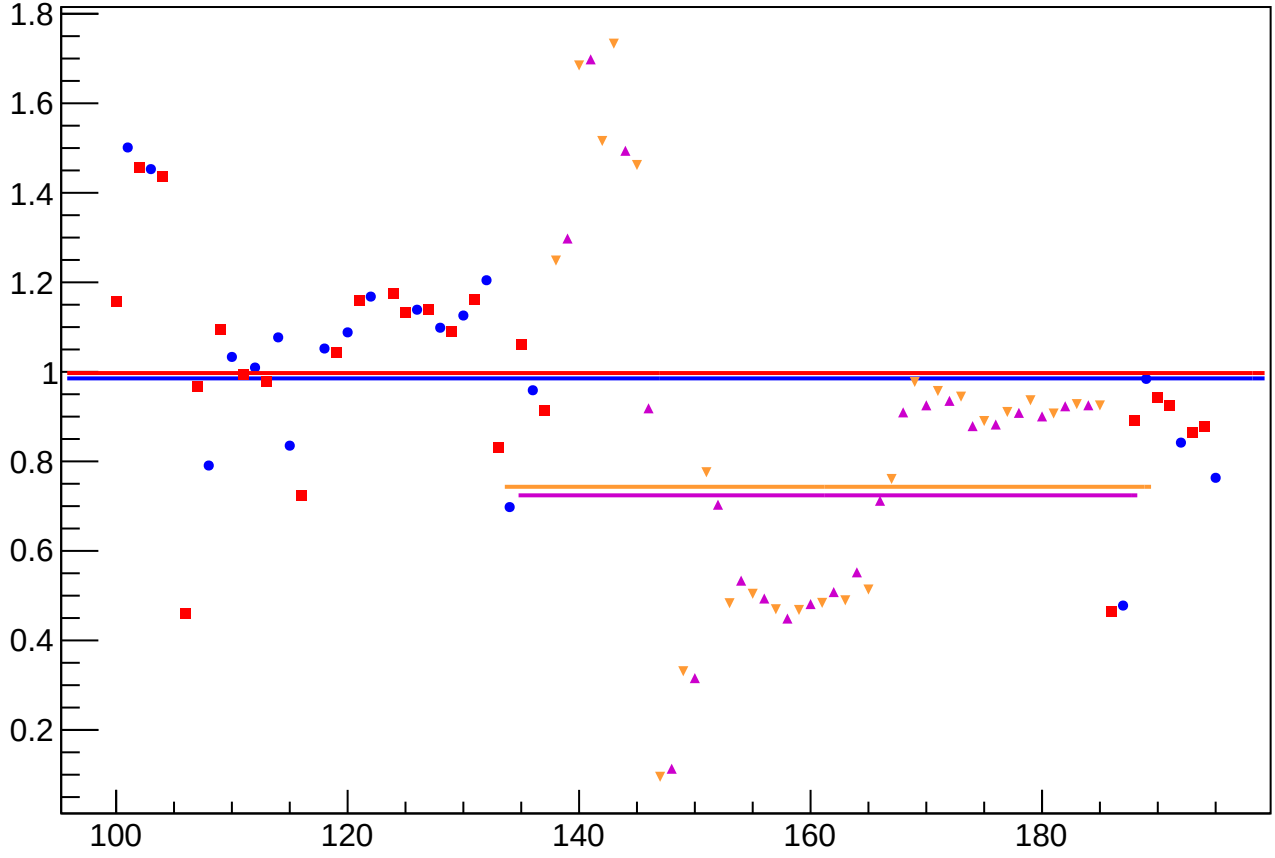
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 452750.1/44

All: 0.085+/-0.000 χ^2/NDF: 899180.0/92

- sign 0.085+/-0.000 χ^2/NDF: 444095.5/47

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: 0.997+/-0.000 χ^2/NDF: 2758836720.9/24

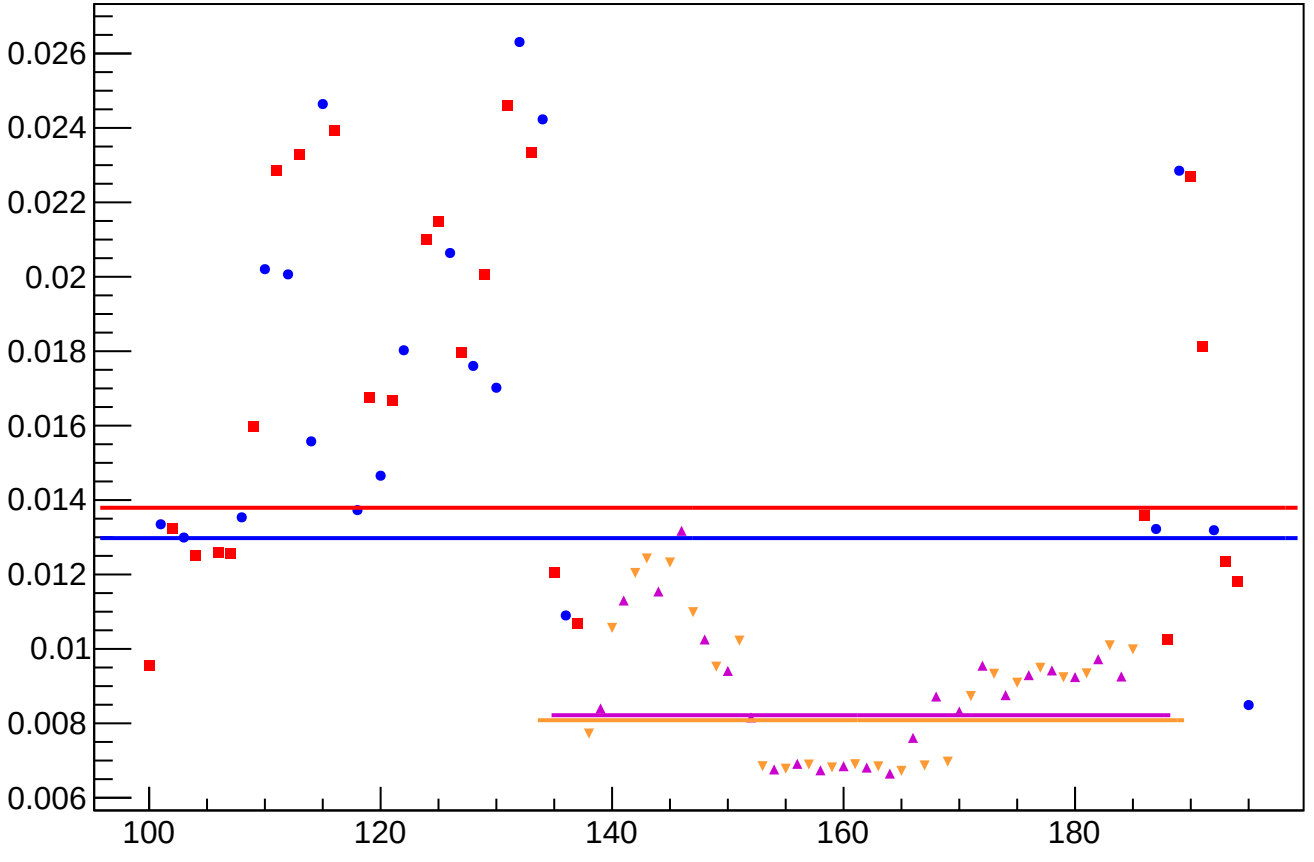
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37876106356.5/44

All: 0.774+/-0.000 χ^2/NDF: 69303408116.8/9

- sign 0.768+/-0.000 χ^2/NDF: 31408773019.5/47

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: 0.014+/-0.000 χ^2/NDF: 1340532.2/24

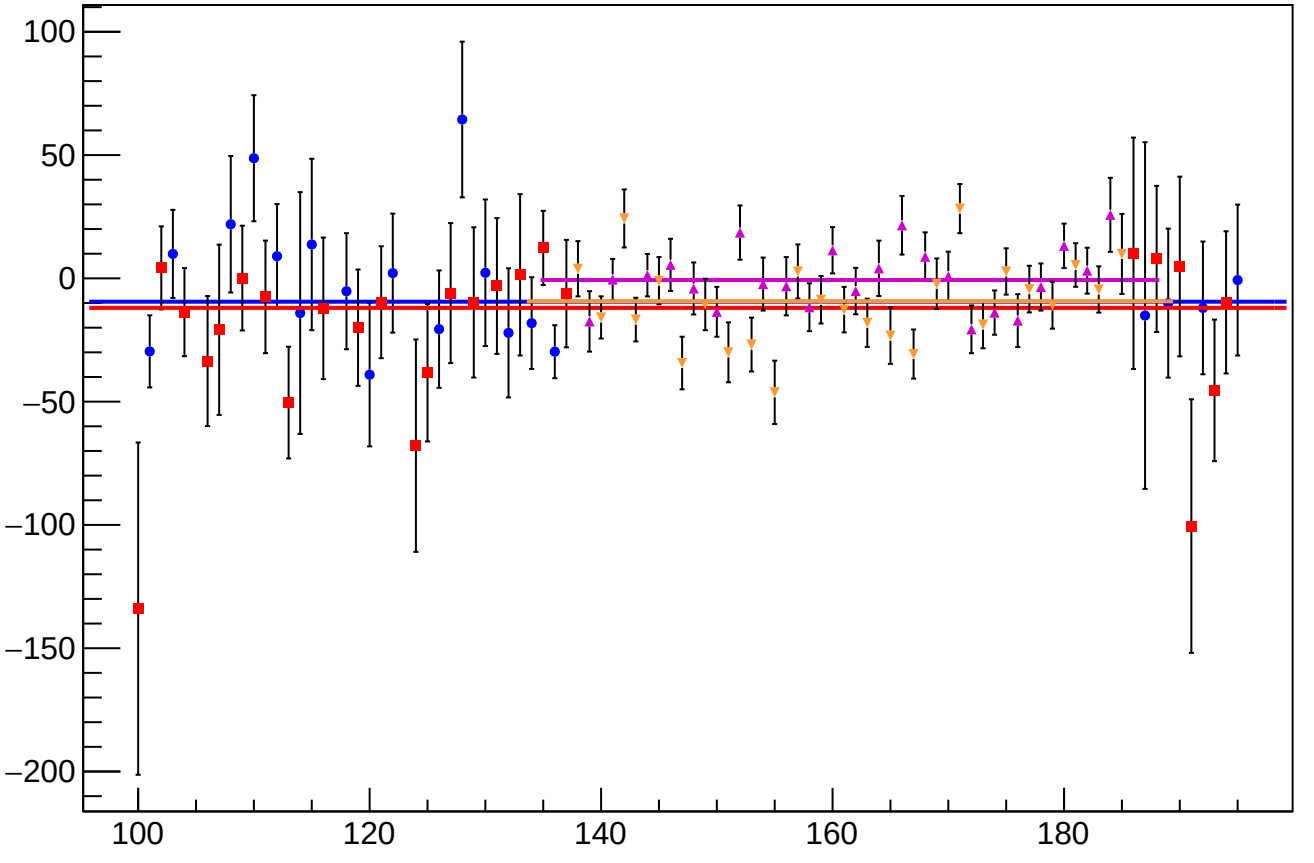
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4862256.4/44

All: 0.009+/-0.000 χ^2/NDF: 9854049.1/92

- sign 0.009+/-0.000 χ^2/NDF: 4962942.3/47

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

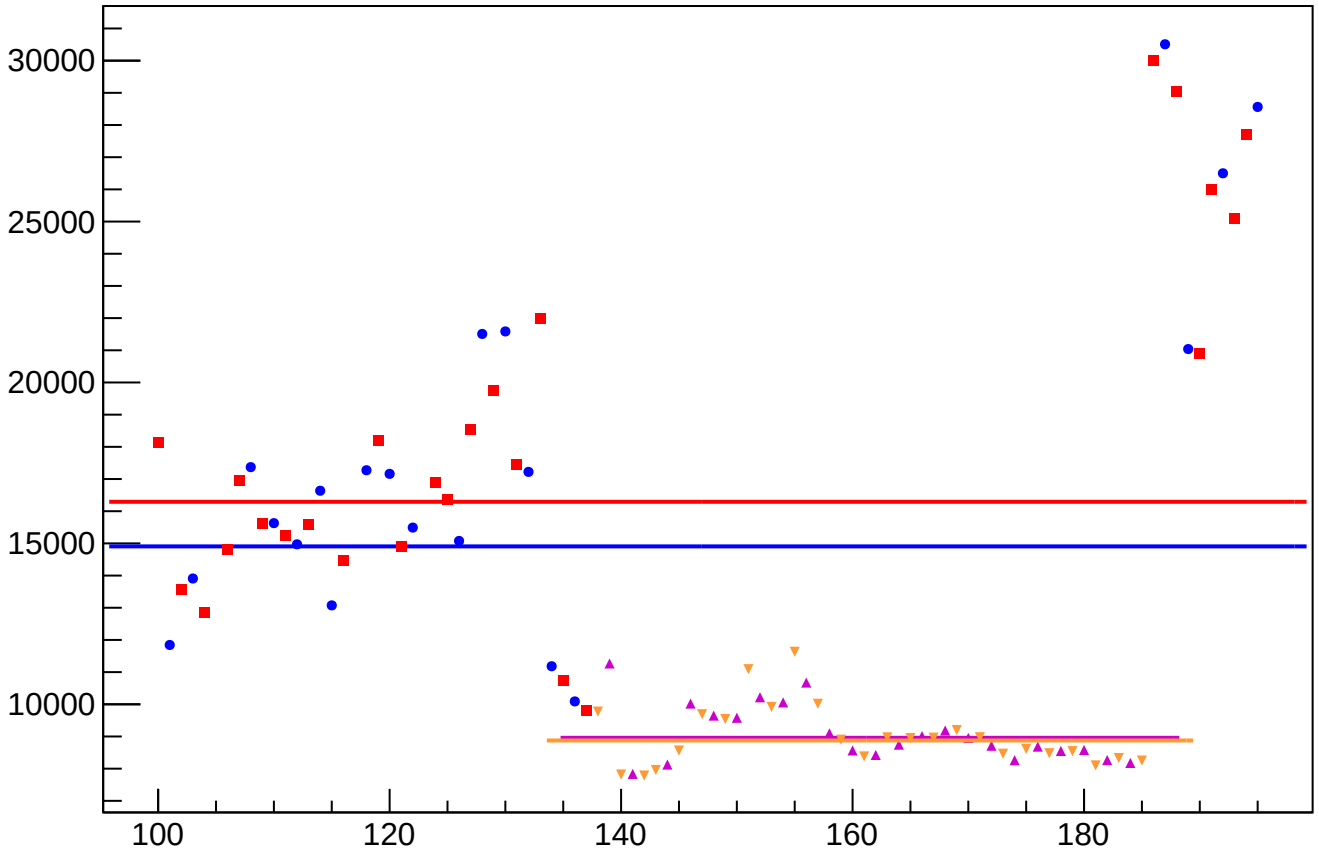
Right Out: -11.967+/-5.114 χ^2/NDF: 19.1/24

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.316+/-1.883 χ^2/NDF: 83.2/44

All: -5.928+/-1.353 χ^2/NDF: 142.5/92

- sign -2.311+/-1.946 χ^2/NDF: 52.7/47



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: 16292.851+/-3.616 χ^2/NDF: 1868020.1/24

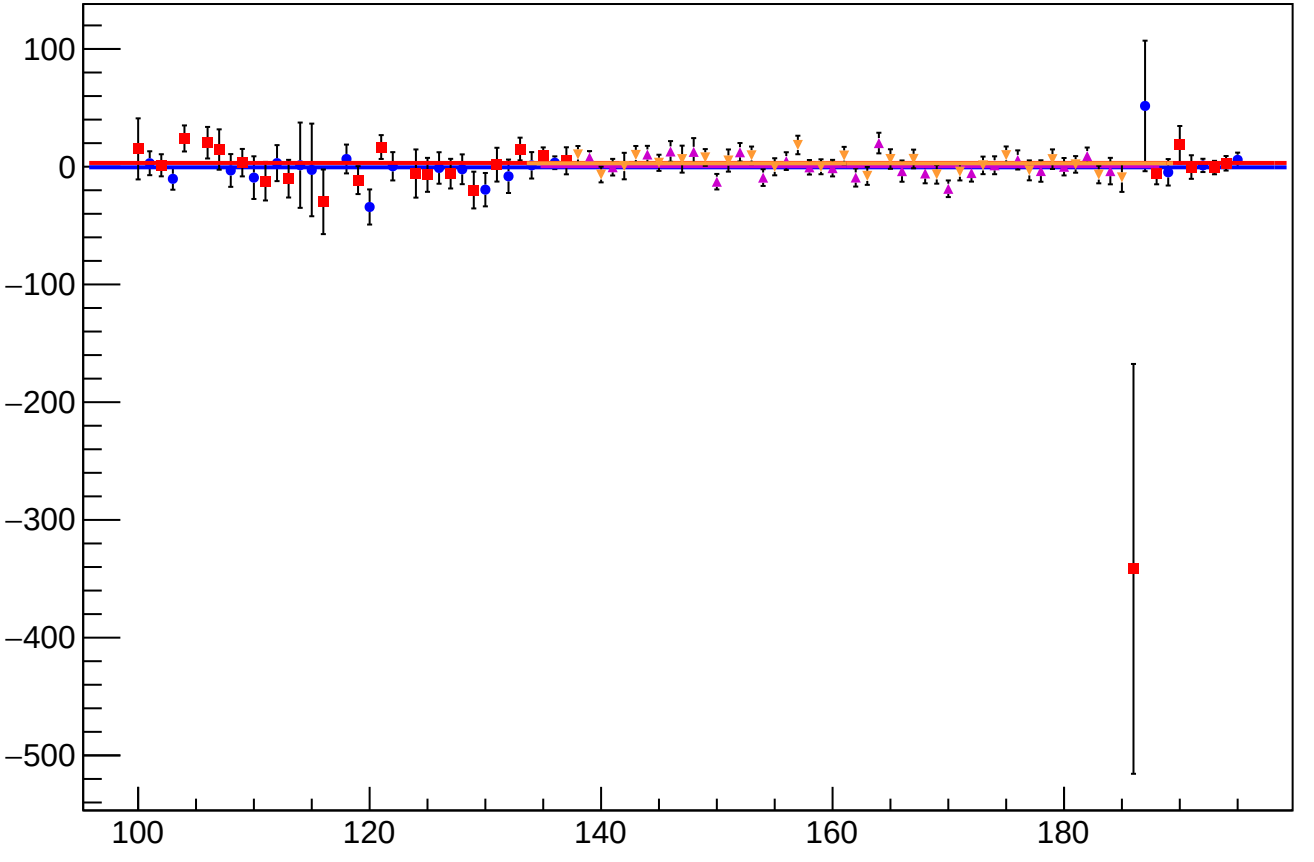
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9719.797+/-1.332 χ^2/NDF: 4606119.0/44

All: 9865.209+/-0.957 χ^2/NDF: 10318257.3/9

- sign 10020.480+/-1.376 χ^2/NDF: 5687478.9/47

diff_bpm4aY_mean vs Slug



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: 3.198+/-2.201 χ^2/NDF: 24.3/24

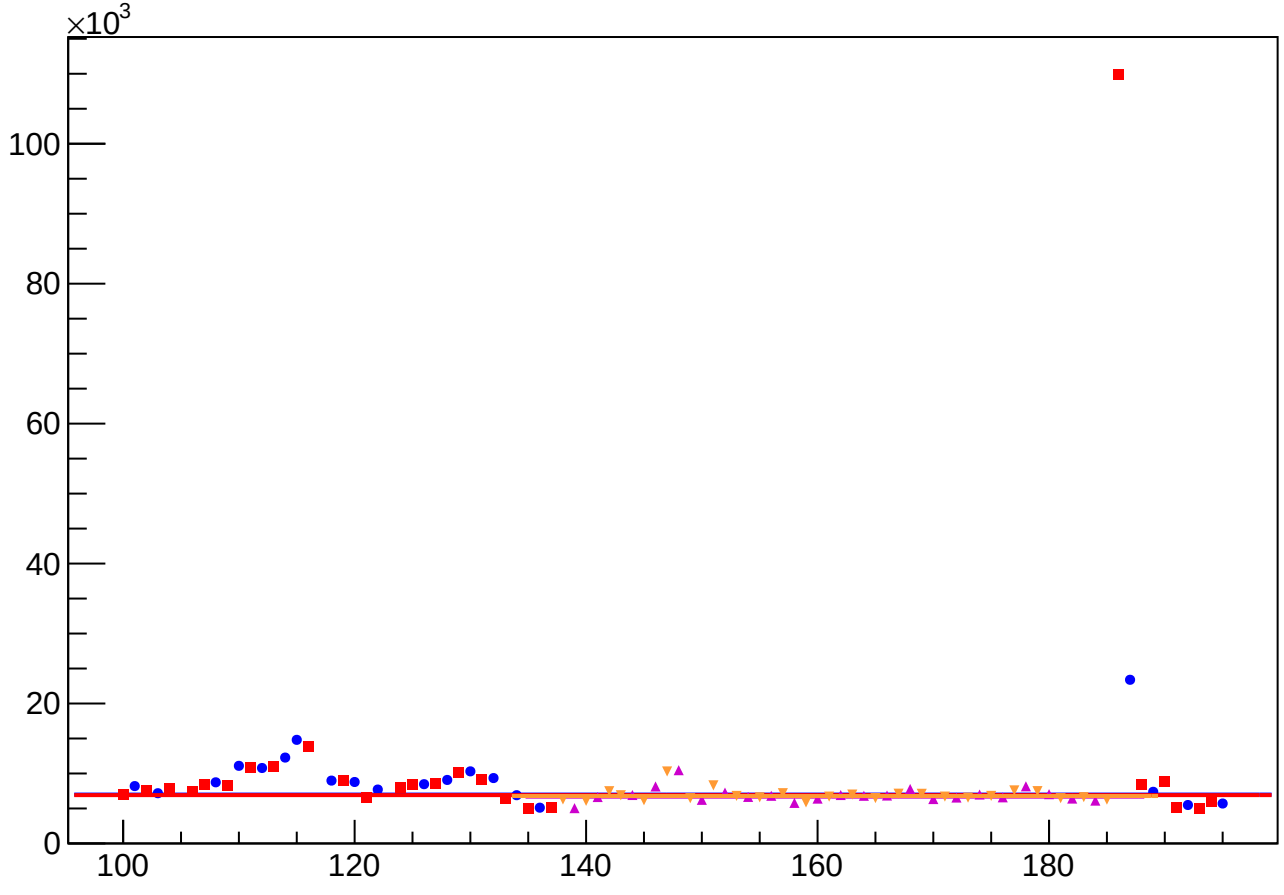
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.833+/-1.293 χ^2/NDF: 32.8/44

All: 1.610+/-0.911 χ^2/NDF: 90.9/92

- sign 1.389+/-1.284 χ^2/NDF: 58.1/47

diff_bpm4aY_rms vs Slug



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: 6907.581+/-1.556 χ^2/NDF: 2042676.8/24

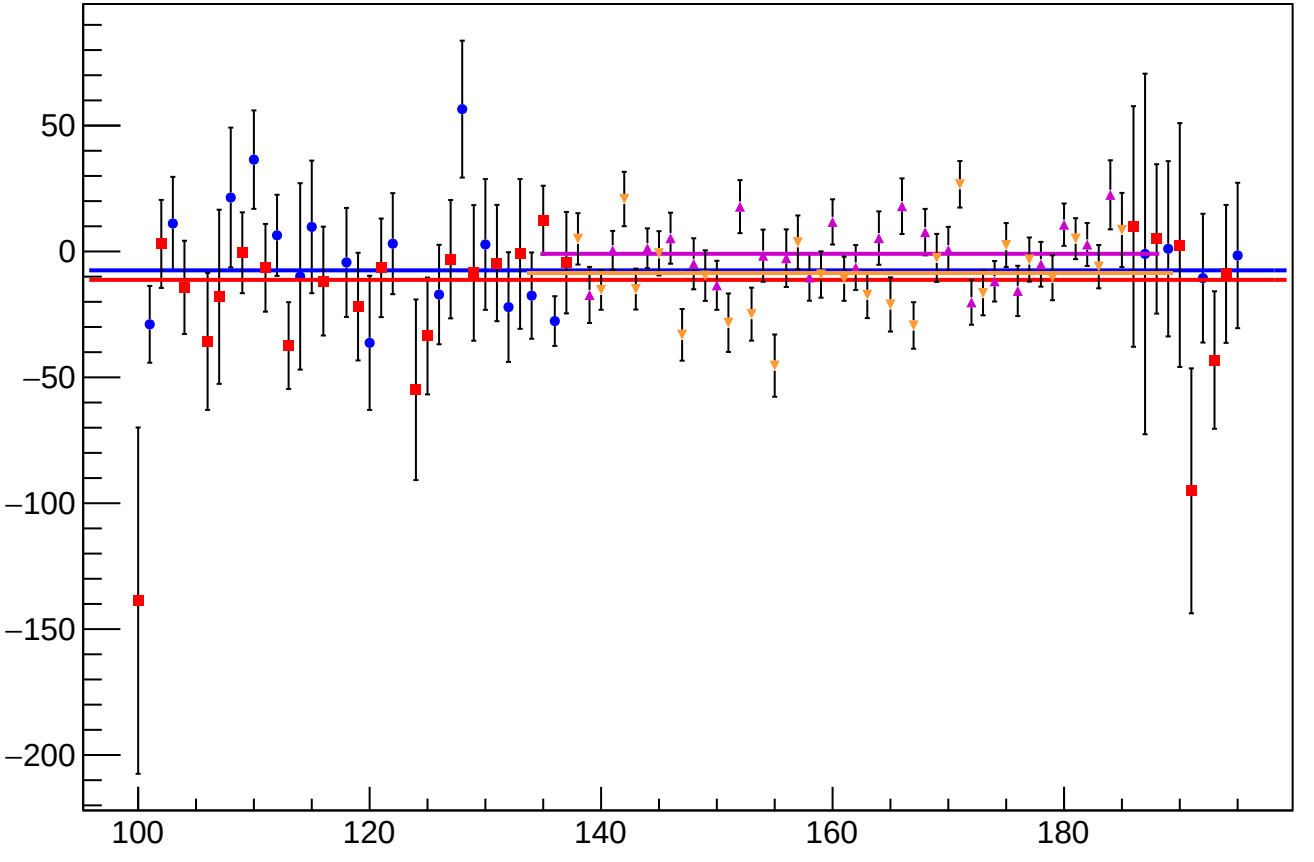
Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6841.023+/-0.915 χ^2/NDF: 1797513.2/44

All: 6802.131+/-0.644 χ^2/NDF: 4477001.8/92

- sign 6763.790+/-0.908 χ^2/NDF: 2675897.9/47

diff_bpm4eX_mean vs Slug



Right In: -7.500+/-4.559 χ^2/NDF: 22.8/19

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

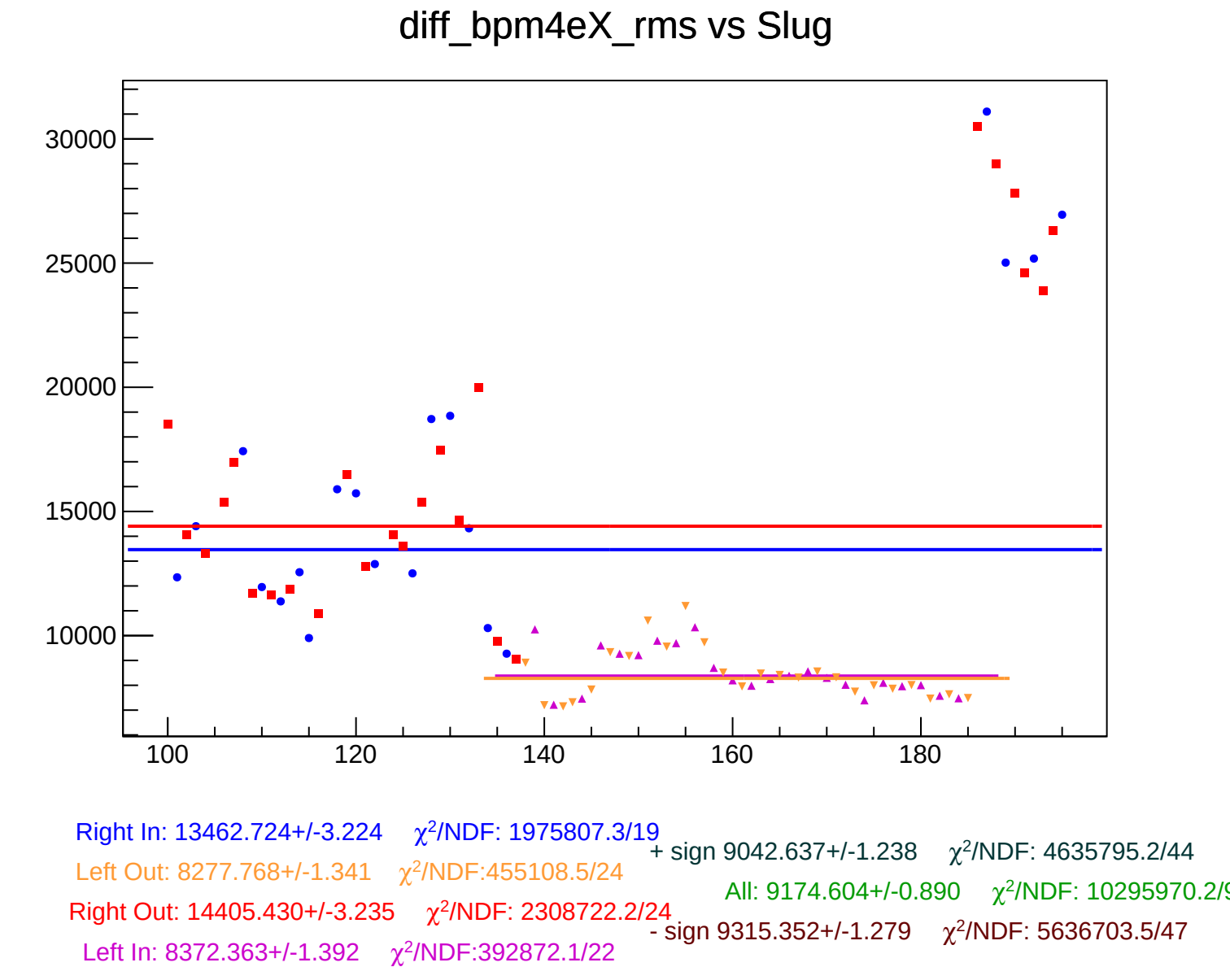
Right Out: -11.275+/-4.574 χ^2/NDF: 18.9/24

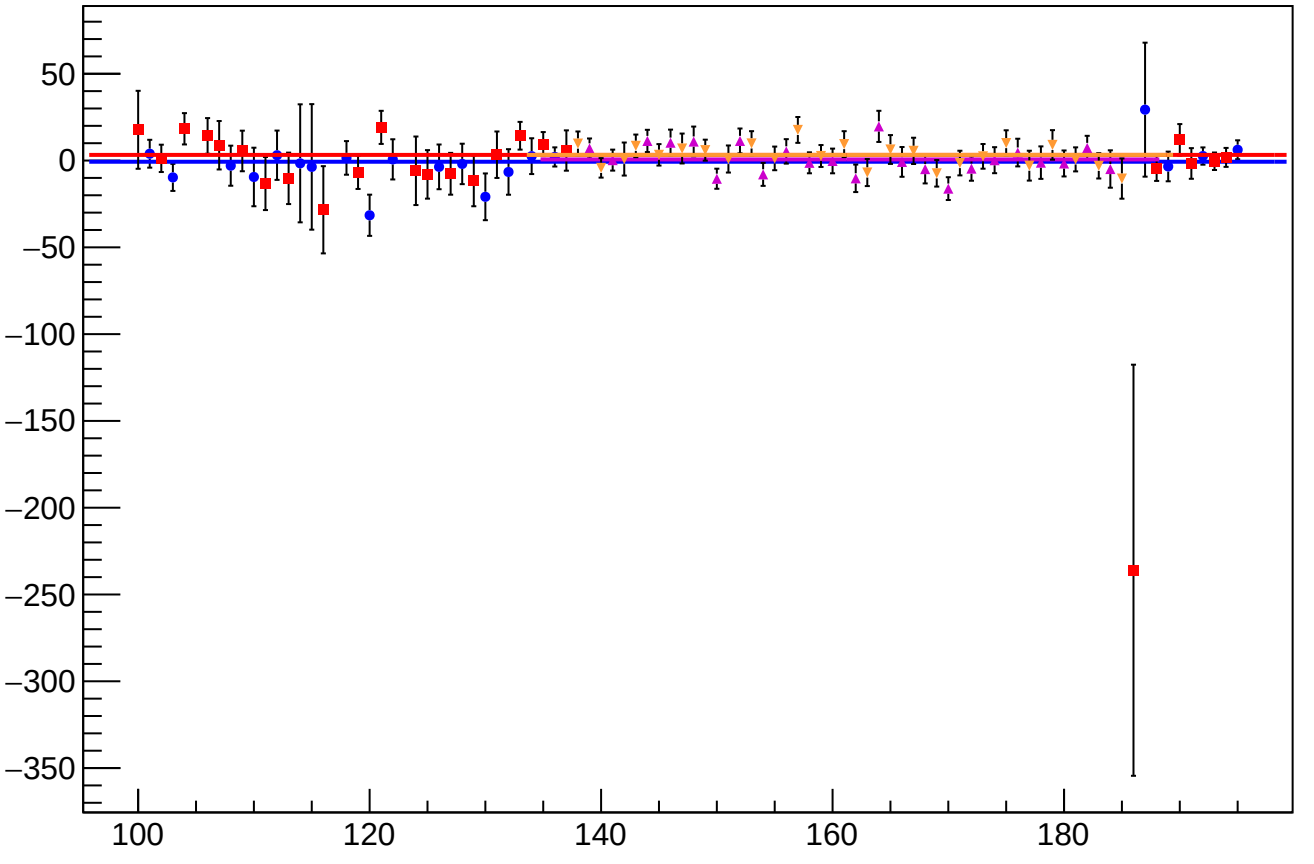
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.384+/-1.751 χ^2/NDF: 84.8/44

All: -5.555+/-1.258 χ^2/NDF: 142.4/92

- sign -2.538+/-1.808 χ^2/NDF: 52.3/47


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13462.724+/-3.224 χ²/NDF: 1975807.3/19
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 14405.430+/-3.235 χ²/NDF: 2308722.2/24
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 9042.637+/-1.238 χ²/NDF: 4635795.2/44
All: 9174.604+/-0.890 χ²/NDF: 10295970.2/9
- sign 9315.352+/-1.279 χ²/NDF: 5636703.5/47



Right In: -0.679+/-2.085 χ^2/NDF: 14.5/19

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

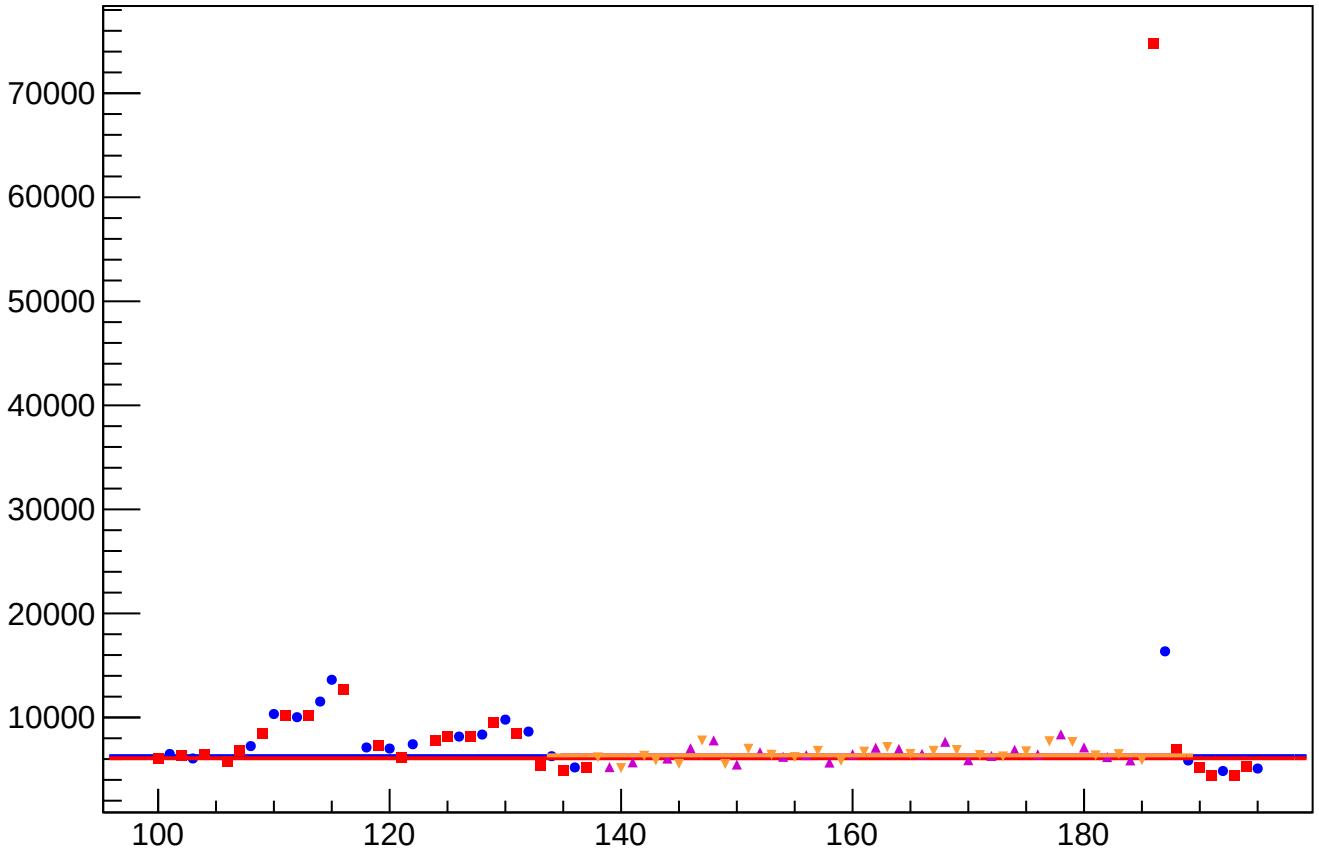
Right Out: 3.258+/-1.925 χ^2/NDF: 24.5/24

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.964+/-1.194 χ^2/NDF: 34.5/44

All: 1.796+/-0.840 χ^2/NDF: 90.9/92

- sign 1.632+/-1.183 χ^2/NDF: 56.4/47



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: 6080.841+/-1.361 χ^2/NDF: 1999775.0/24

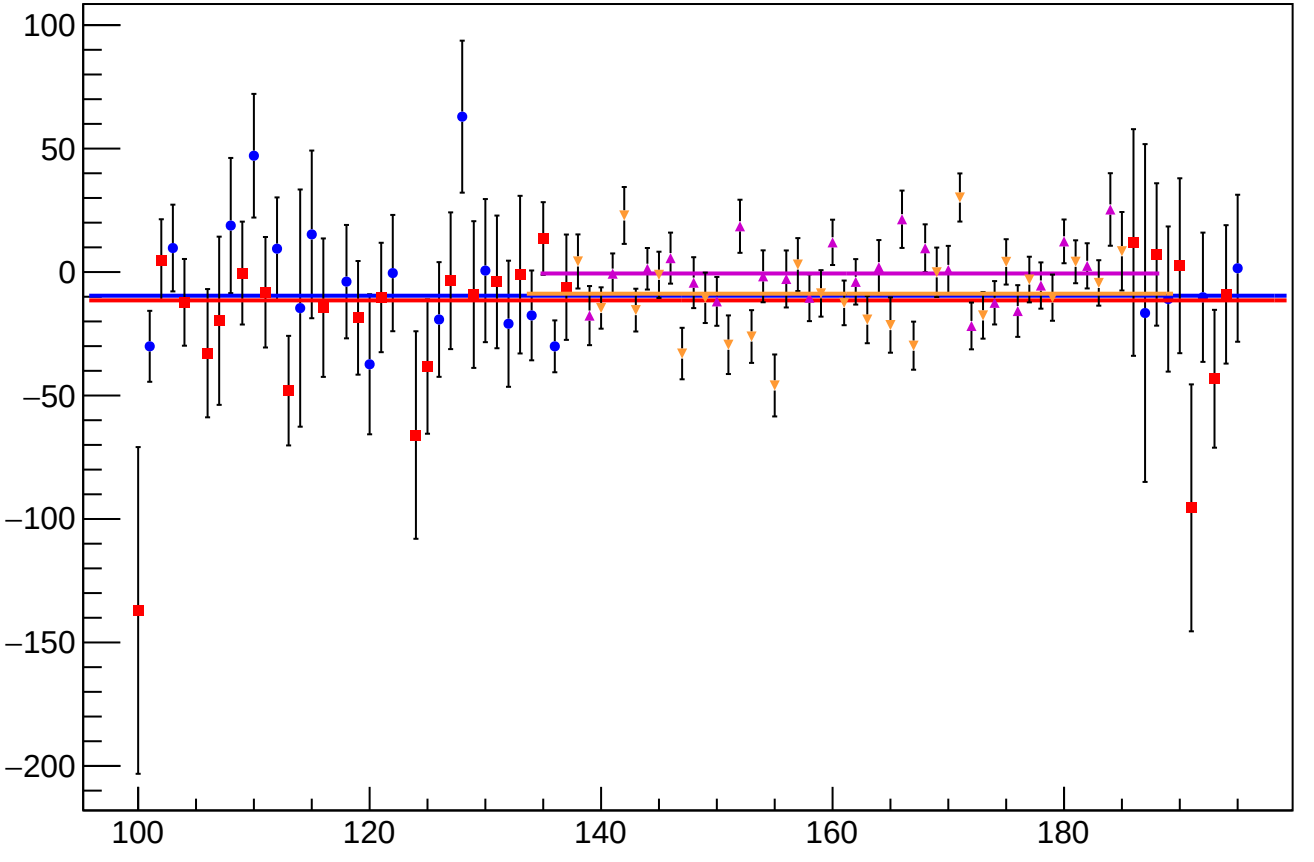
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6332.379+/-0.844 χ^2/NDF: 1644381.7/44

All: 6293.097+/-0.594 χ^2/NDF: 4148476.4/92

- sign 6254.562+/-0.836 χ^2/NDF: 2499808.6/47

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: -11.472+/-5.002 χ^2/NDF: 19.3/24

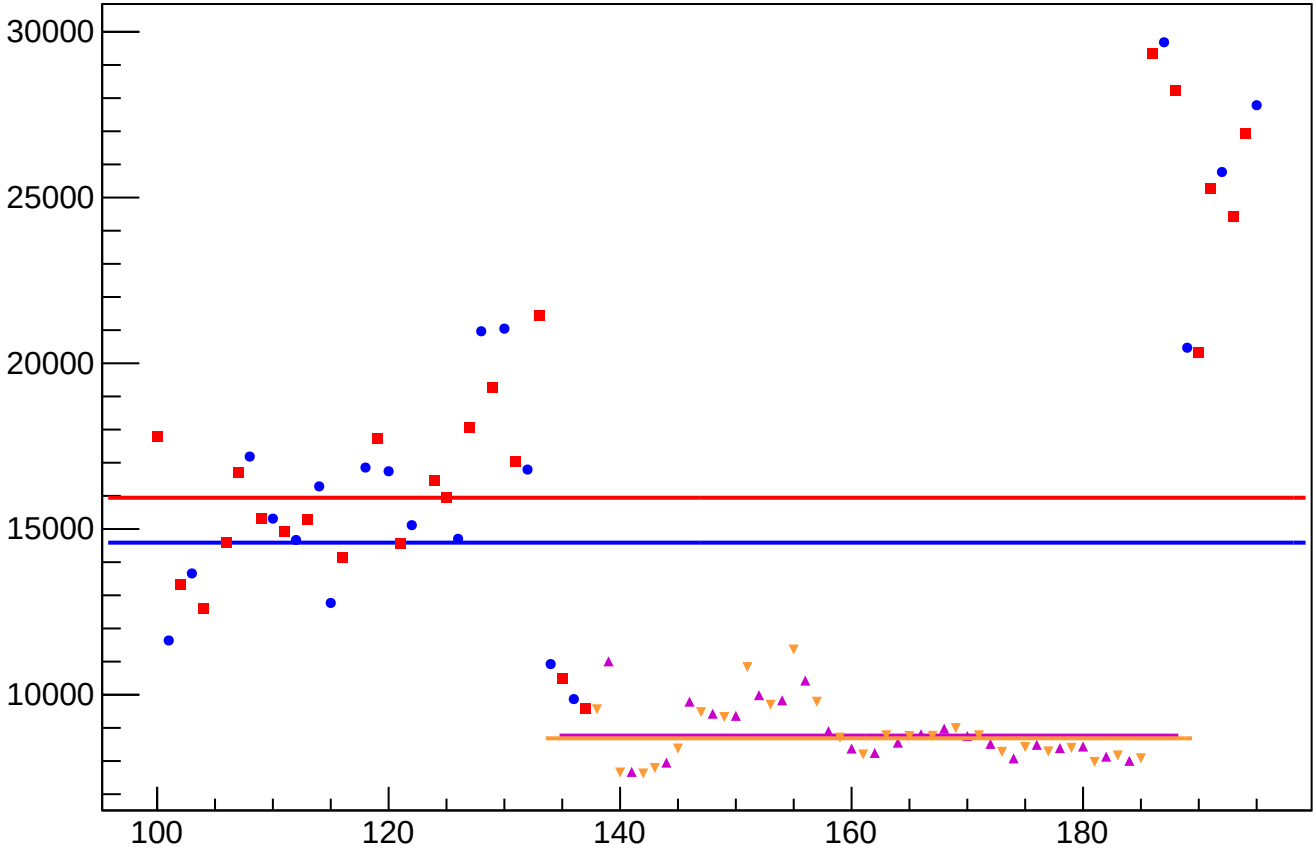
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.880+/-1.843 χ^2/NDF: 84.9/44

All: -5.629+/-1.324 χ^2/NDF: 144.3/92

- sign -2.158+/-1.904 χ^2/NDF: 52.9/47

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: 15944.267+/-3.537 χ^2/NDF: 1843027.6/24

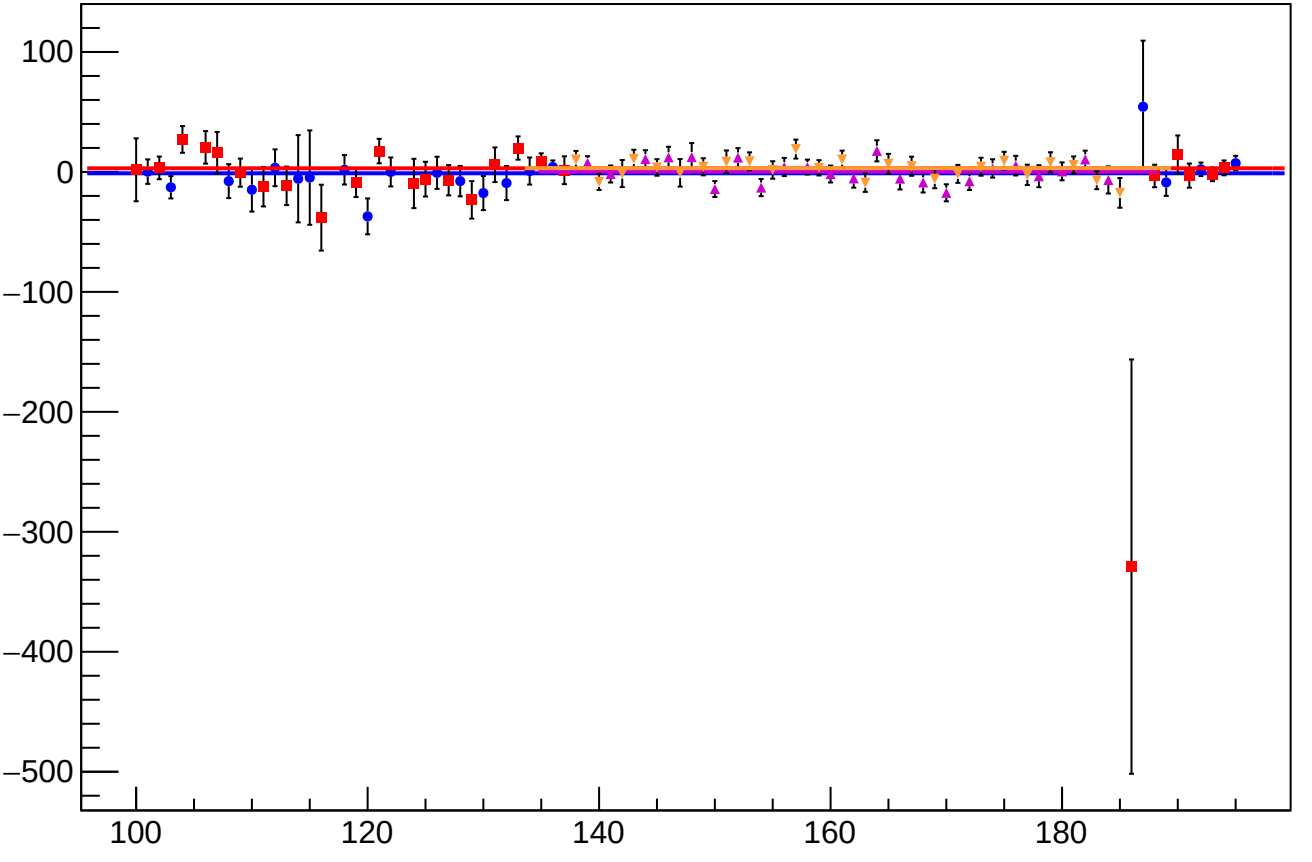
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9512.855+/-1.303 χ^2/NDF: 4583691.7/44

All: 9655.462+/-0.936 χ^2/NDF: 10267804.8/9

- sign 9807.747+/-1.346 χ^2/NDF: 5659339.8/47

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

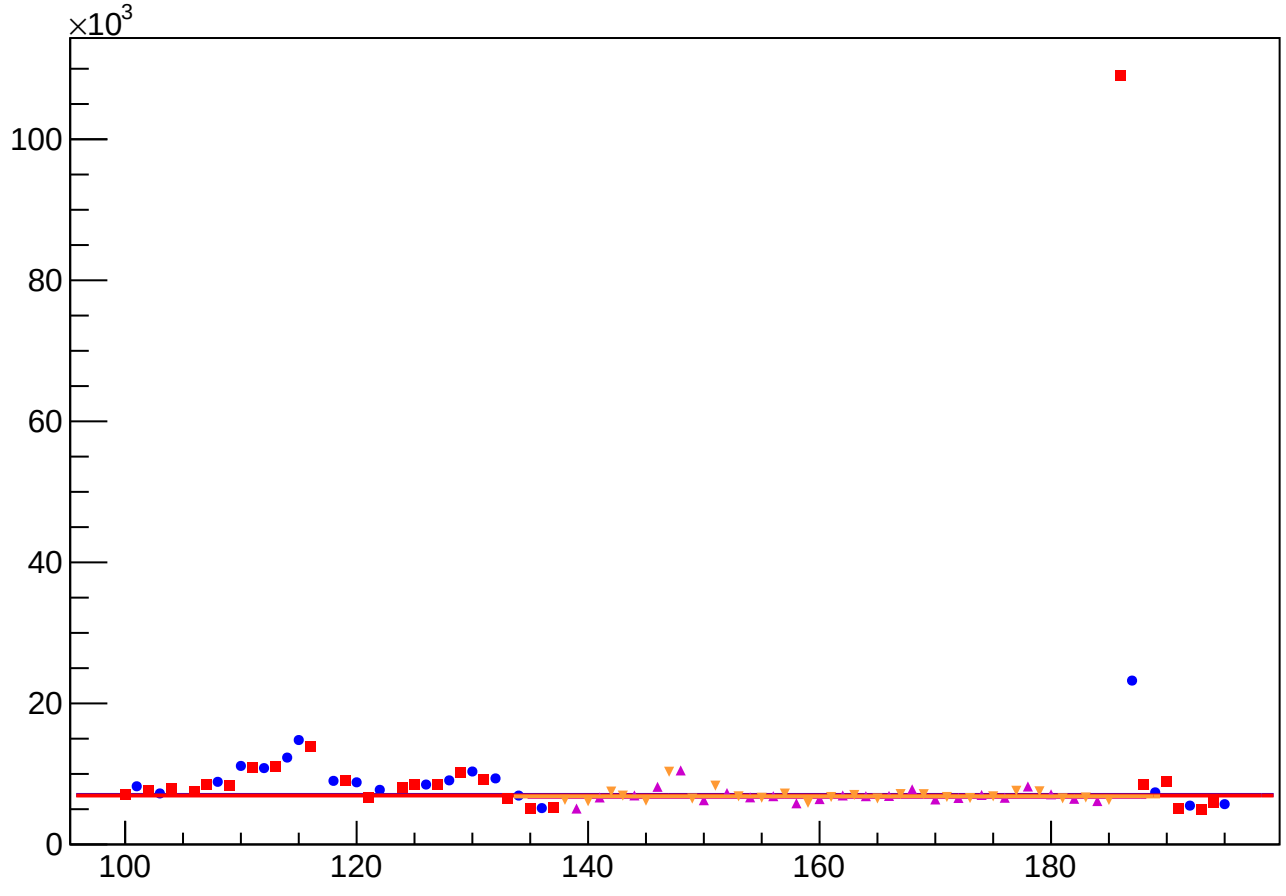
Right Out: 3.007+/-2.212 χ^2/NDF: 27.6/24

Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.848+/-1.300 χ^2/NDF: 38.9/44

All: 1.523+/-0.916 χ^2/NDF: 101.9/92

- sign 1.202+/-1.291 χ^2/NDF: 62.9/47



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: 6944.555+/-1.564 χ^2/NDF: 2034373.3/24

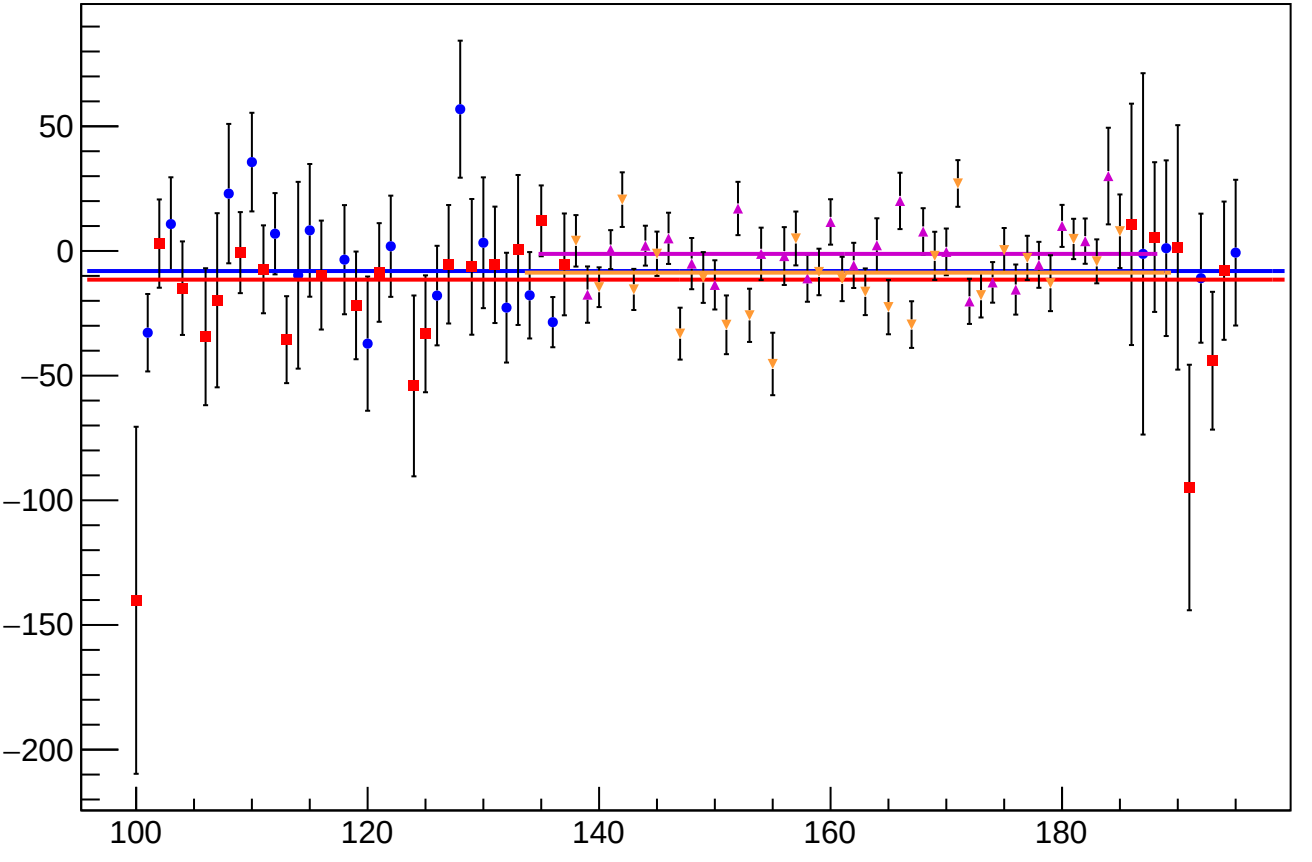
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6876.041+/-0.919 χ^2/NDF: 1788247.8/44

All: 6838.621+/-0.648 χ^2/NDF: 4448606.1/92

- sign 6801.704+/-0.913 χ^2/NDF: 2657065.8/47

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

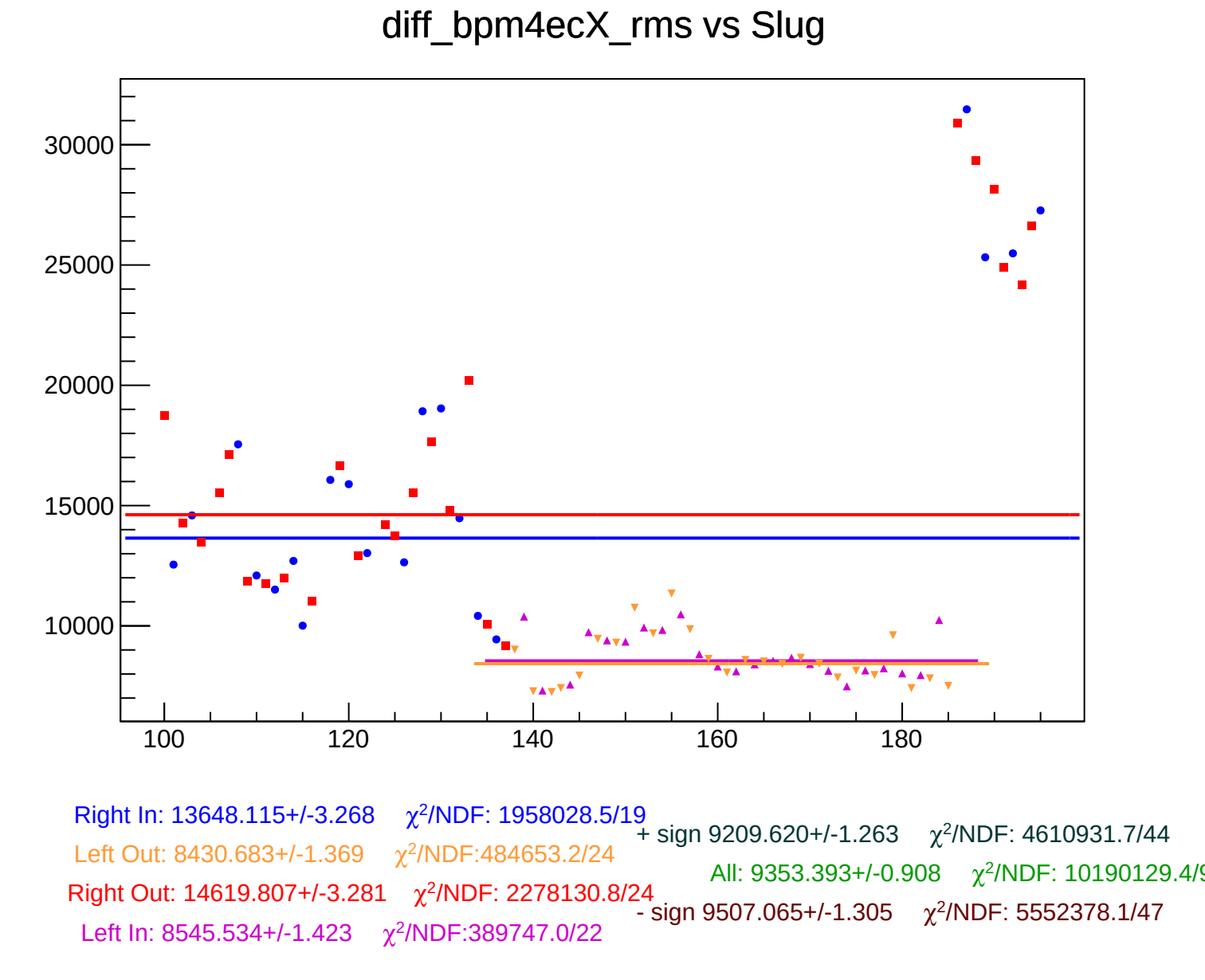
Right Out: -11.502+/-4.640 χ^2/NDF: 17.8/24

Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

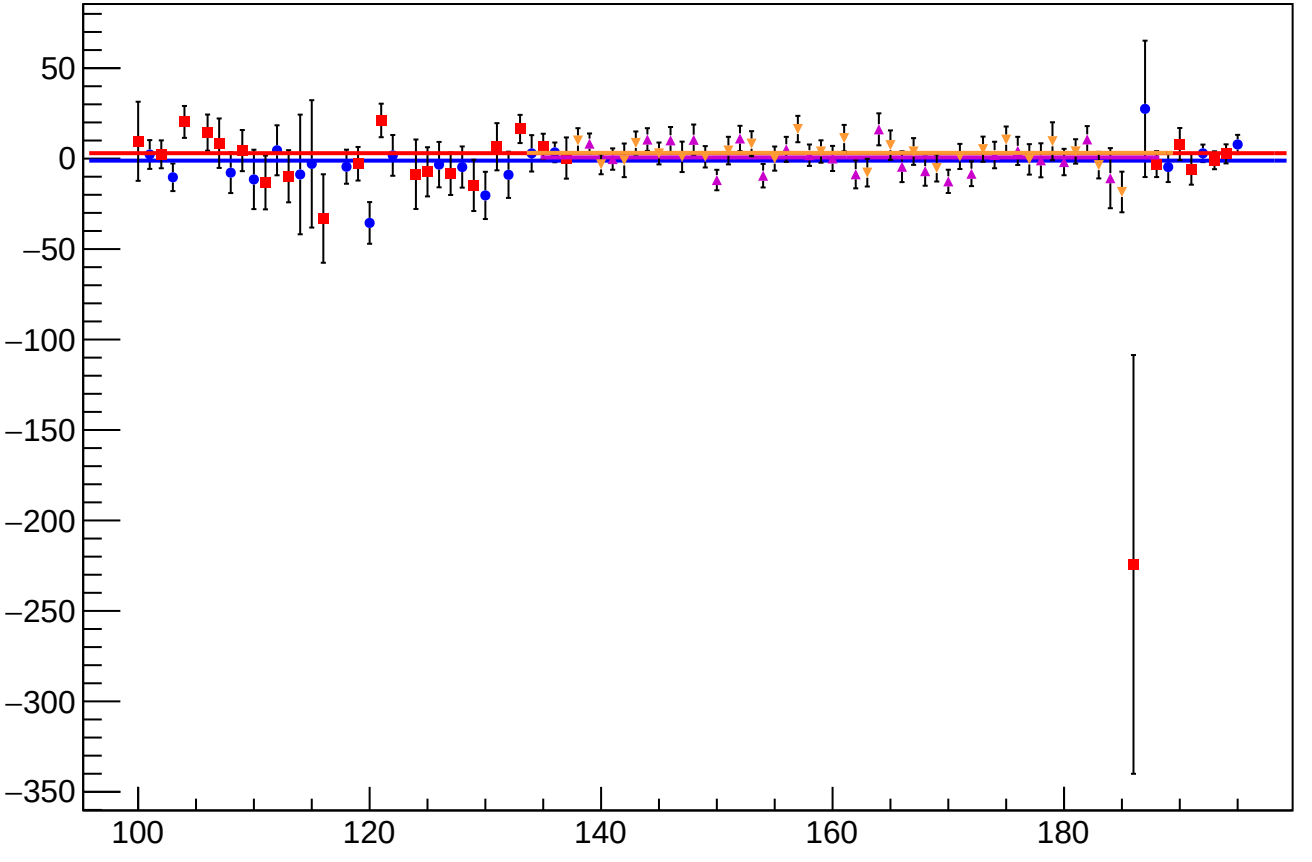
+ sign -8.596+/-1.786 χ^2/NDF: 84.8/44

All: -5.799+/-1.284 χ^2/NDF: 140.4/92

- sign -2.809+/-1.846 χ^2/NDF: 50.5/47


diff_bpm4ecX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13648.115+/-3.268 χ²/NDF: 1958028.5/19
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 14619.807+/-3.281 χ²/NDF: 2278130.8/24
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
+ sign 9209.620+/-1.263 χ²/NDF: 4610931.7/44
All: 9353.393+/-0.908 χ²/NDF: 10190129.4/9
- sign 9507.065+/-1.305 χ²/NDF: 5552378.1/47

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: 3.003+/-1.881 χ^2/NDF: 27.2/24

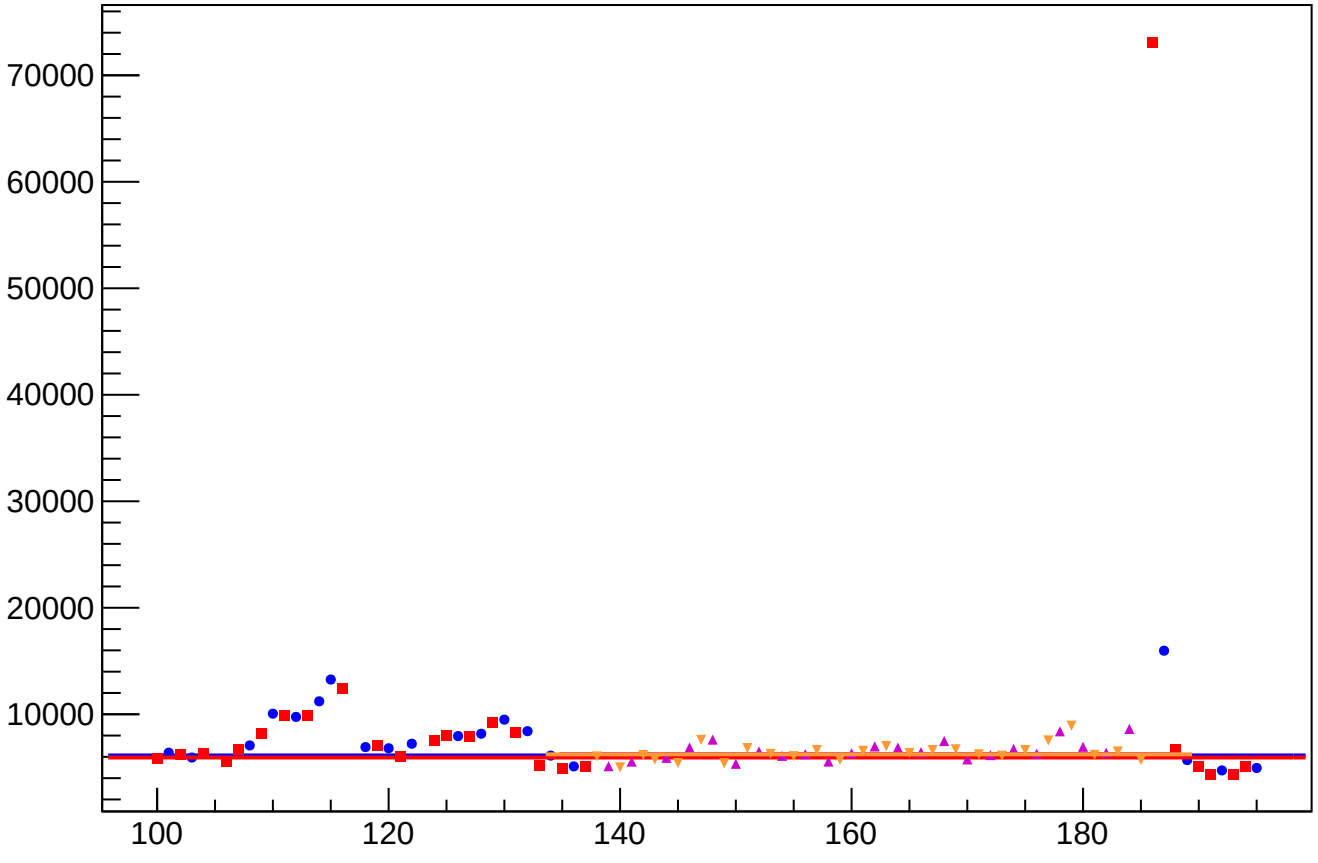
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.759+/-1.173 χ^2/NDF: 41.2/44

All: 1.649+/-0.826 χ^2/NDF: 101.2/92

- sign 1.540+/-1.164 χ^2/NDF: 60.0/47

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: 5940.375+/-1.330 χ^2/NDF: 1976064.9/24

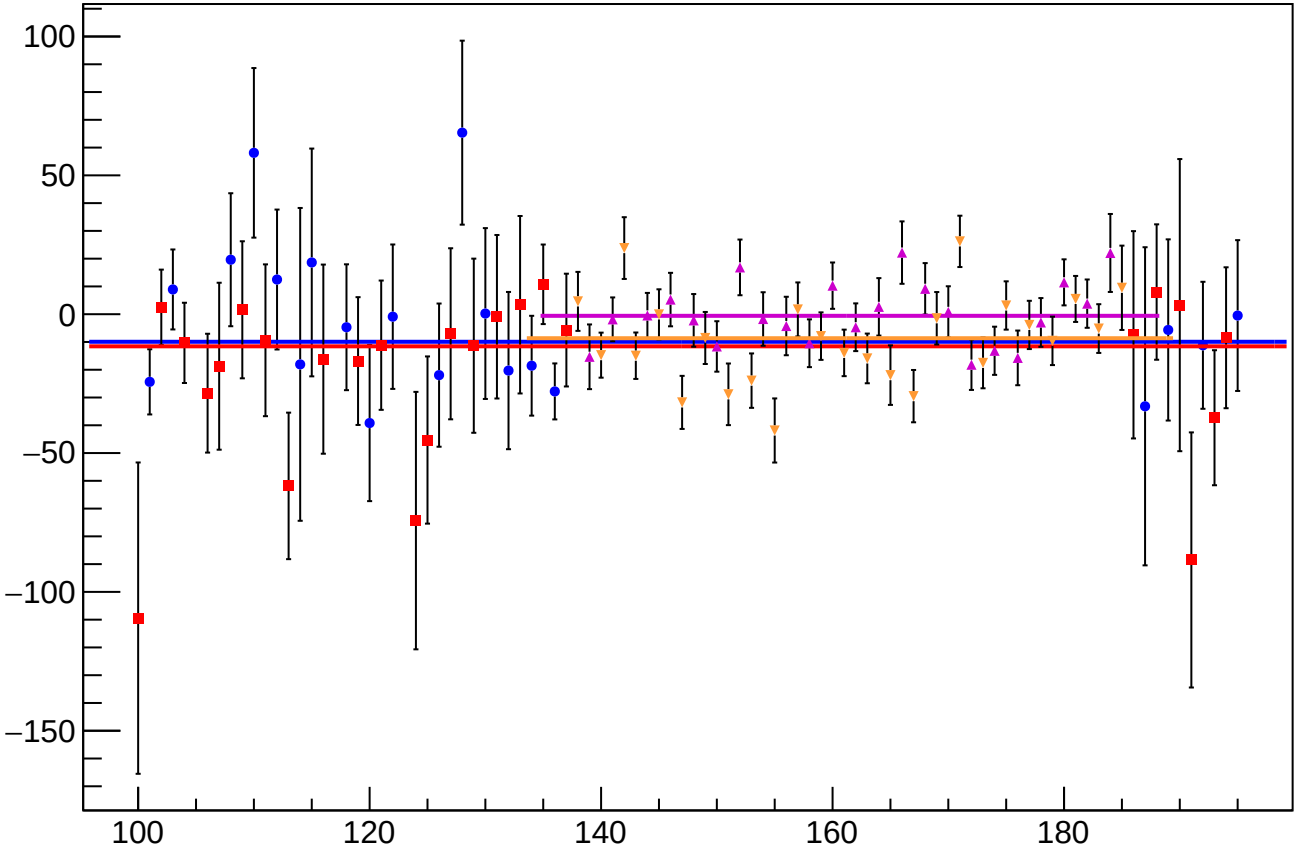
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6202.696+/-0.829 χ^2/NDF: 1731233.3/44

All: 6172.494+/-0.584 χ^2/NDF: 4271747.2/92

- sign 6142.745+/-0.823 χ^2/NDF: 2537881.7/47

diff_bpm1X_mean vs Slug



Right In: -9.929+/-4.754 χ^2/NDF: 21.6/19

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

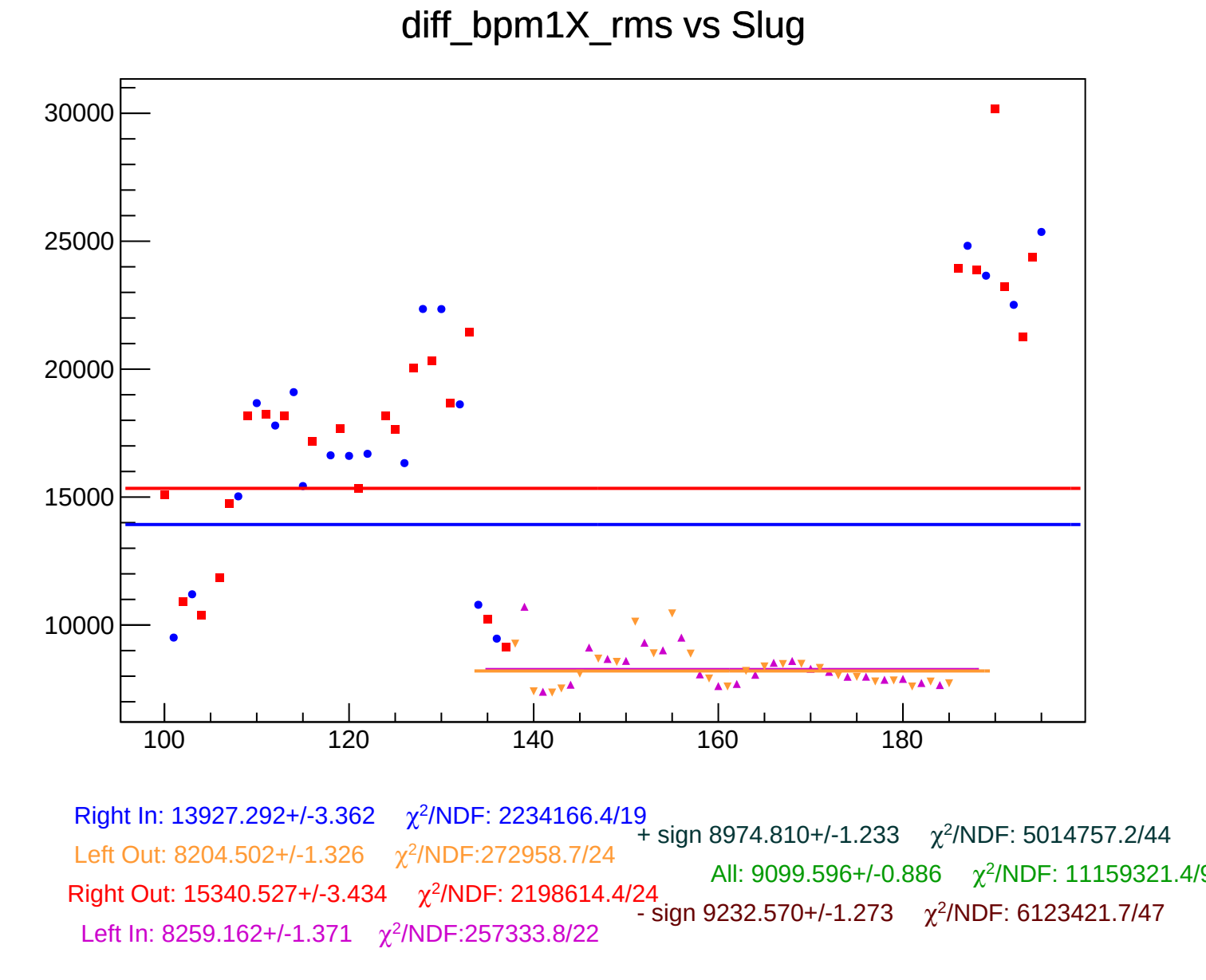
Right Out: -11.569+/-4.857 χ^2/NDF: 19.4/24

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

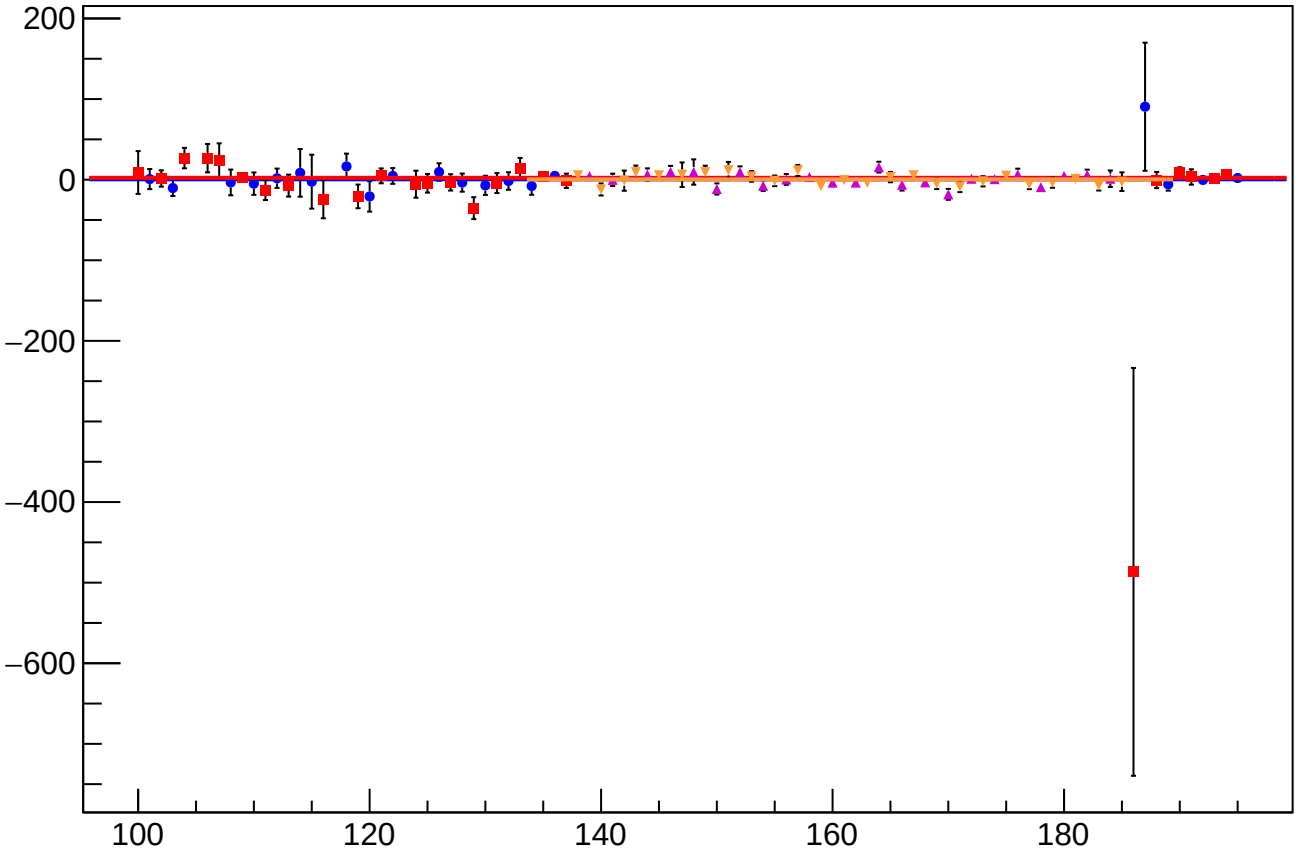
+ sign -8.822+/-1.744 χ^2/NDF: 84.7/44

All: -5.565+/-1.253 χ^2/NDF: 144.3/92

- sign -2.093+/-1.801 χ^2/NDF: 52.4/47


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13927.292+/-3.362 χ²/NDF: 2234166.4/19
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15340.527+/-3.434 χ²/NDF: 2198614.4/24
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 8974.810+/-1.233 χ²/NDF: 5014757.2/44
All: 9099.596+/-0.886 χ²/NDF: 11159321.4/9
- sign 9232.570+/-1.273 χ²/NDF: 6123421.7/47

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: 2.280+/-1.853 χ^2/NDF: 27.9/24

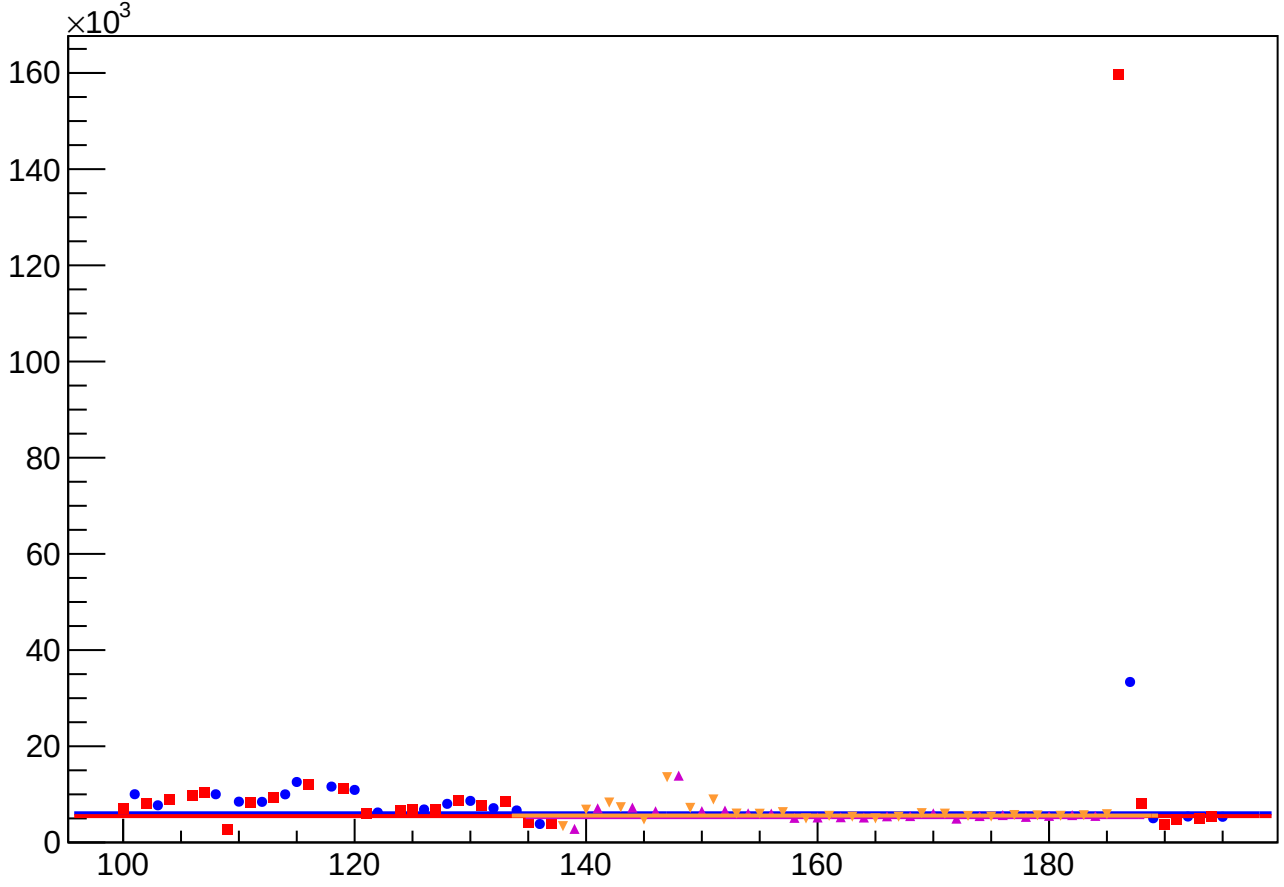
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.384+/-1.115 χ^2/NDF: 30.3/44

All: 0.825+/-0.768 χ^2/NDF: 88.9/92

- sign 1.223+/-1.059 χ^2/NDF: 58.3/47

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: 5477.141+/-1.310 χ^2/NDF: 3624702.4/24

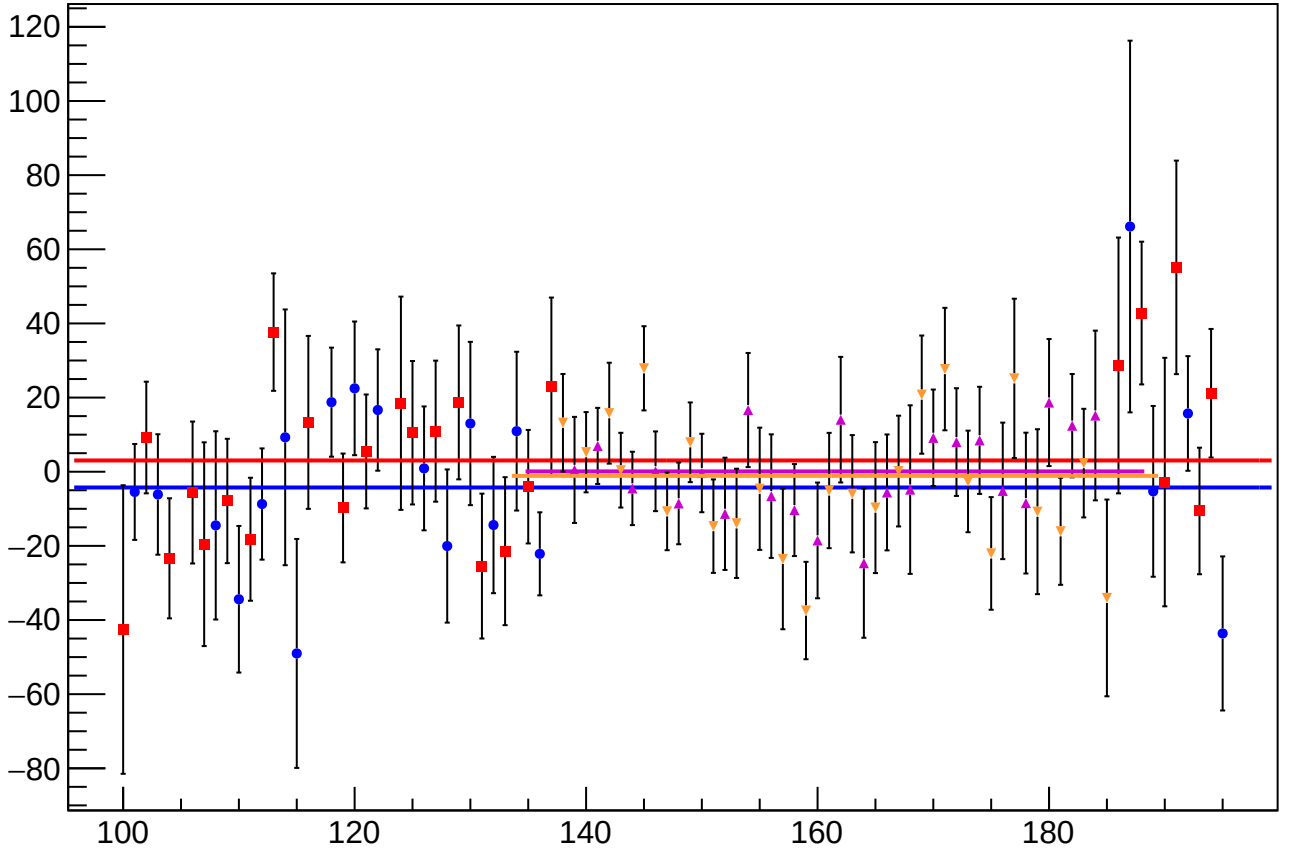
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5729.354+/-0.789 χ^2/NDF: 3981223.8/44

All: 5520.868+/-0.543 χ^2/NDF: 10182437.8/9

- sign 5332.848+/-0.749 χ^2/NDF: 6068334.0/47

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

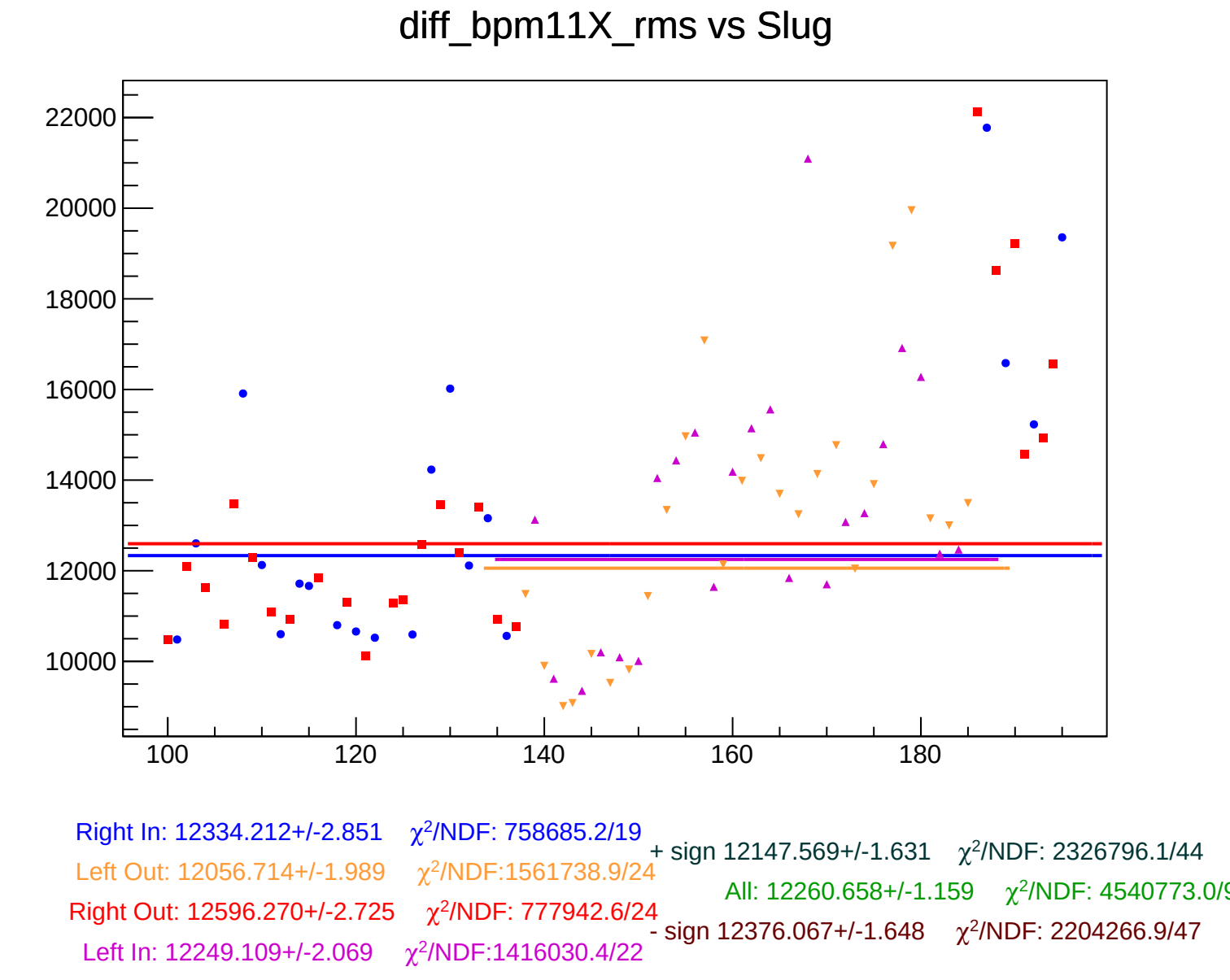
Right Out: 3.039+/-3.854 χ^2/NDF: 28.5/24

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

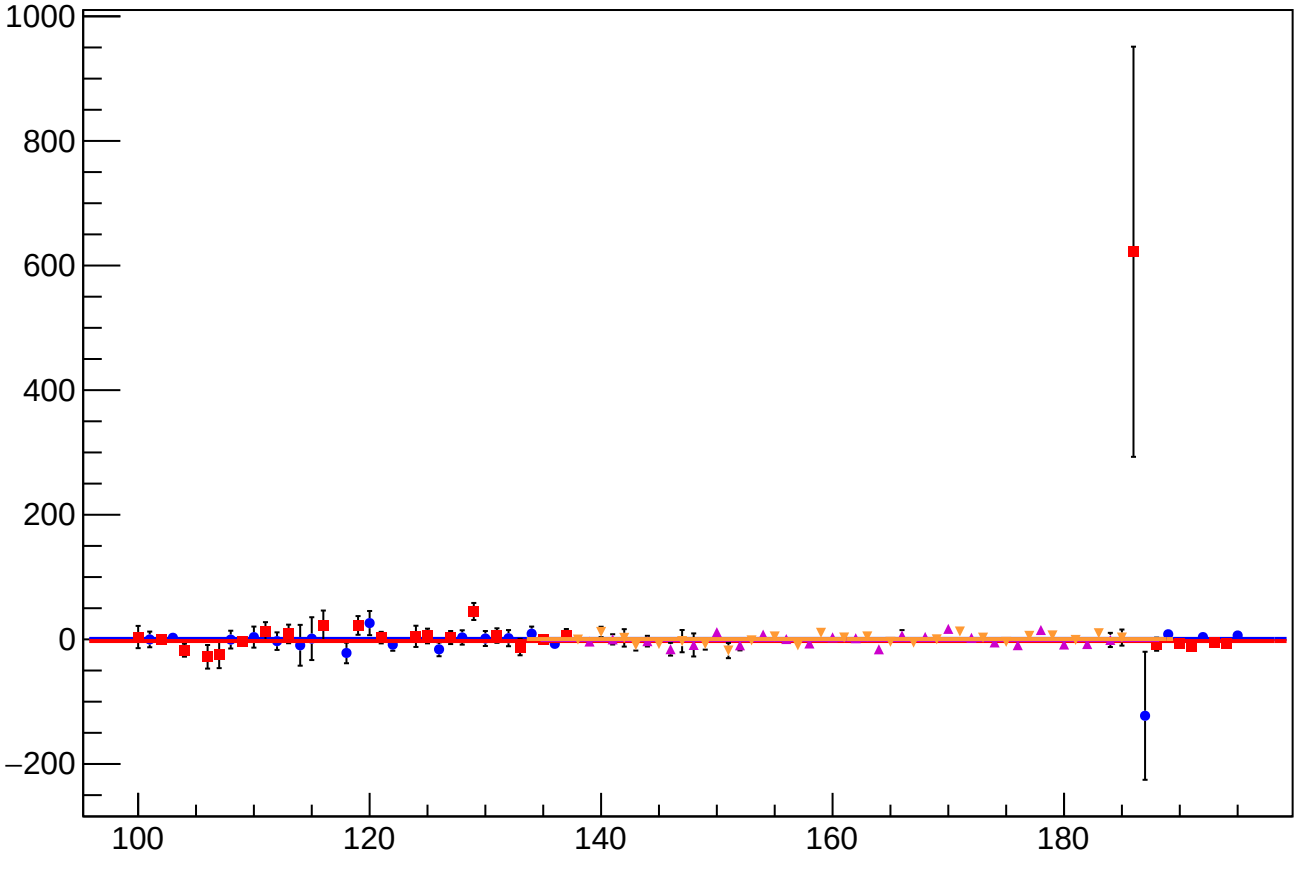
\+ sign -2.140+/-2.307 χ^2/NDF: 57.2/44

All: -0.504+/-1.640 χ^2/NDF: 98.5/92

\- sign 1.165+/-2.331 χ^2/NDF: 40.3/47


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
Right In: 12334.212+/-2.851 χ²/NDF: 758685.2/19
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12596.270+/-2.725 χ²/NDF: 777942.6/24
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12147.569+/-1.631 χ²/NDF: 2326796.1/44
All: 12260.658+/-1.159 χ²/NDF: 4540773.0/9
- sign 12376.067+/-1.648 χ²/NDF: 2204266.9/47

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: -2.693+/-1.749 χ^2/NDF: 33.0/24

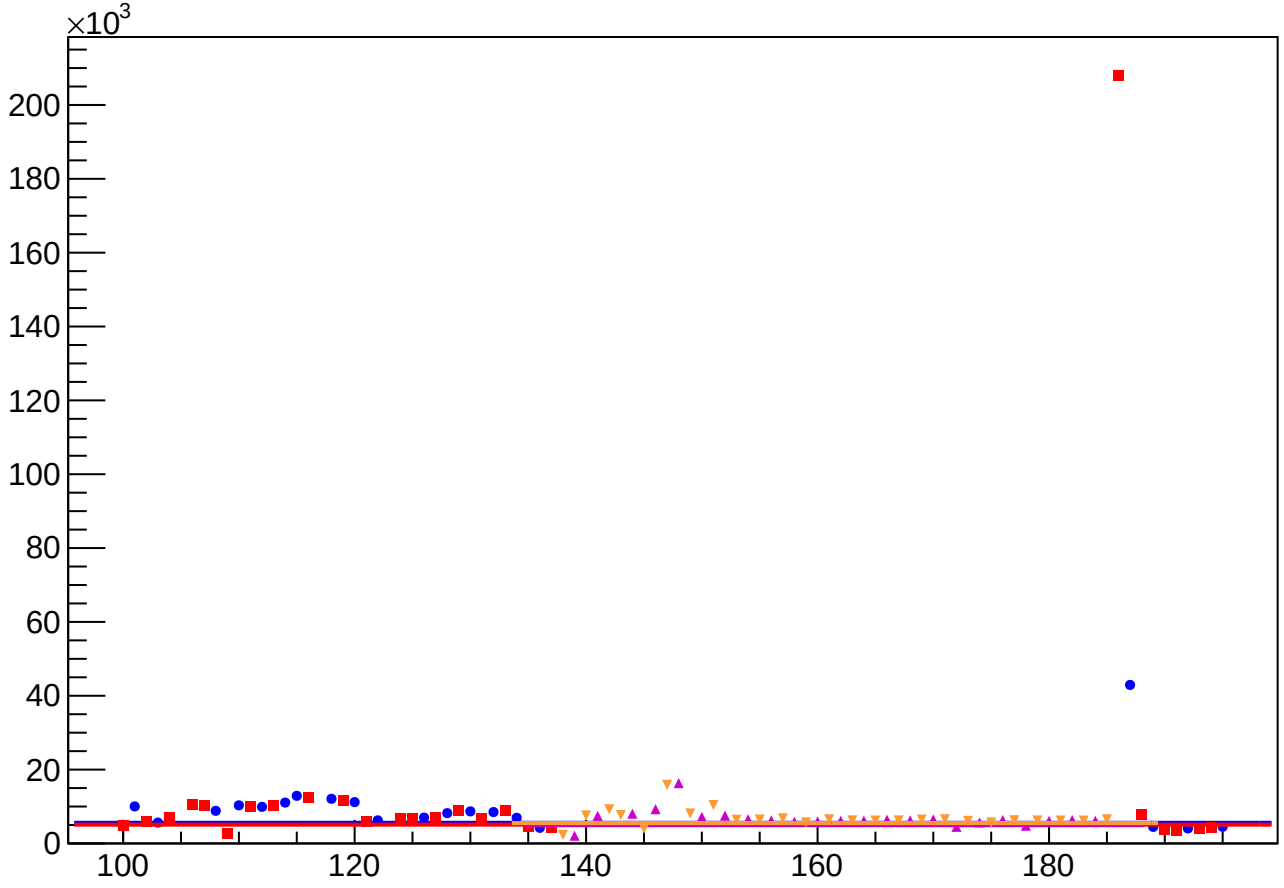
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.603+/-1.121 χ^2/NDF: 36.4/44

All: -0.561+/-0.763 χ^2/NDF: 104.2/92

- sign -1.564+/-1.041 χ^2/NDF: 65.8/47

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

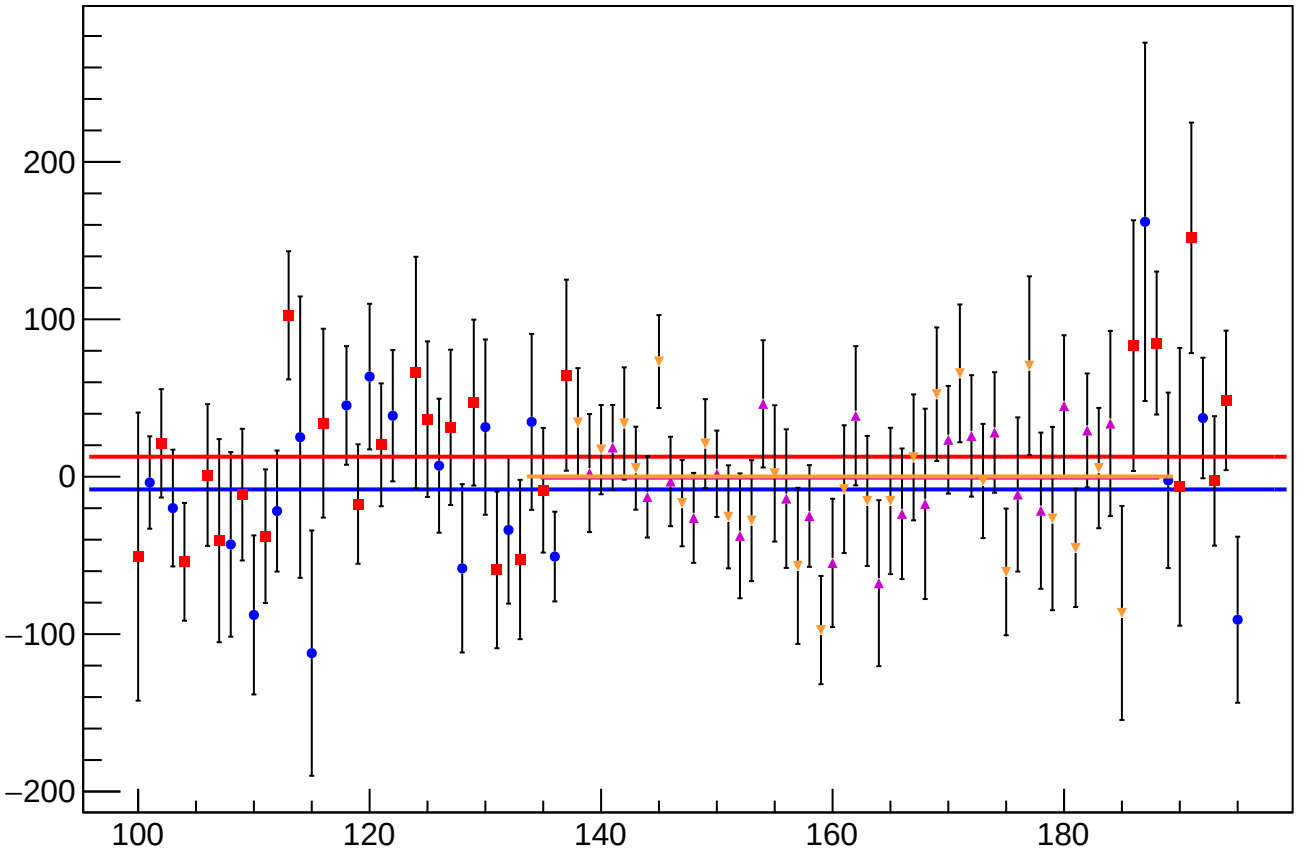
Right Out: 5086.911+/-1.237 χ^2/NDF: 3640410.1/24

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5551.176+/-0.793 χ^2/NDF: 6965304.8/44

All: 5251.457+/-0.539 χ^2/NDF: 16816812.1/9

- sign 4993.255+/-0.736 χ^2/NDF: 9585387.4/47



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: 12.718+/-9.579 χ^2/NDF: 25.7/24

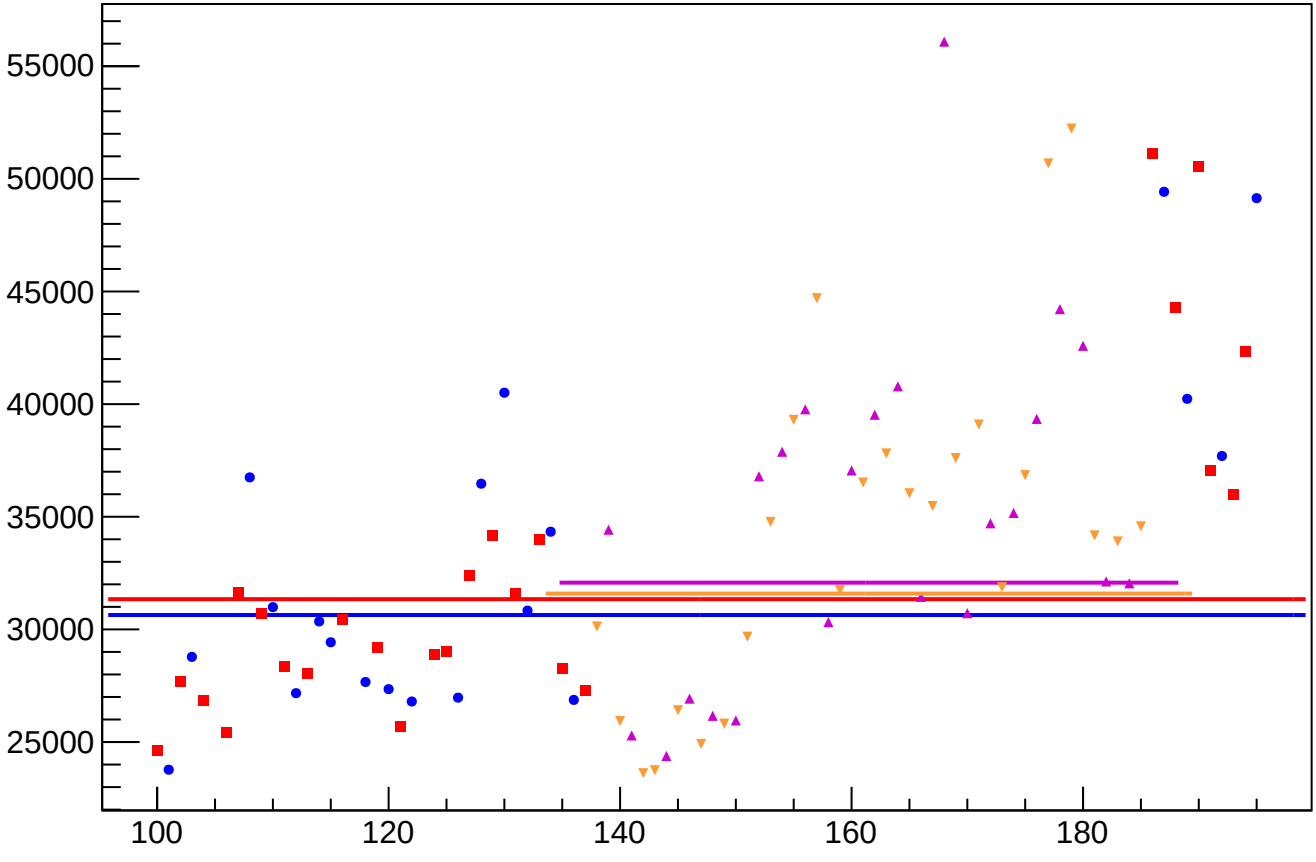
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.725+/-5.940 χ^2/NDF: 53.0/44

All: 0.913+/-4.216 χ^2/NDF: 93.5/92

- sign 4.608+/-5.986 χ^2/NDF: 39.7/47

diff_bpm12X_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: 31342.184+/-6.774 χ^2/NDF: 749299.8/24

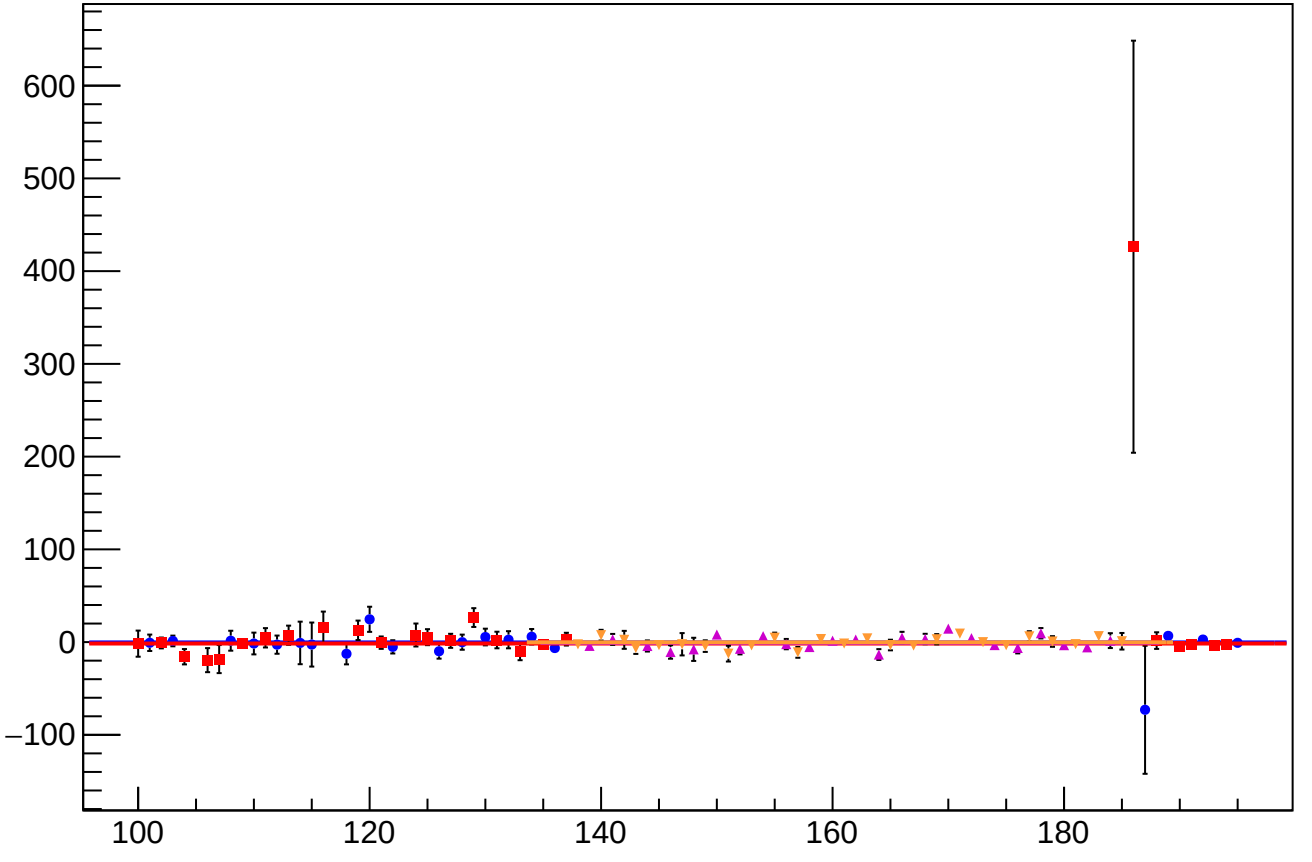
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31255.647+/-4.200 χ^2/NDF: 2368238.5/44

All: 31520.225+/-2.981 χ^2/NDF: 4588386.6/9

- sign 31788.916+/-4.233 χ^2/NDF: 2212150.2/47

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

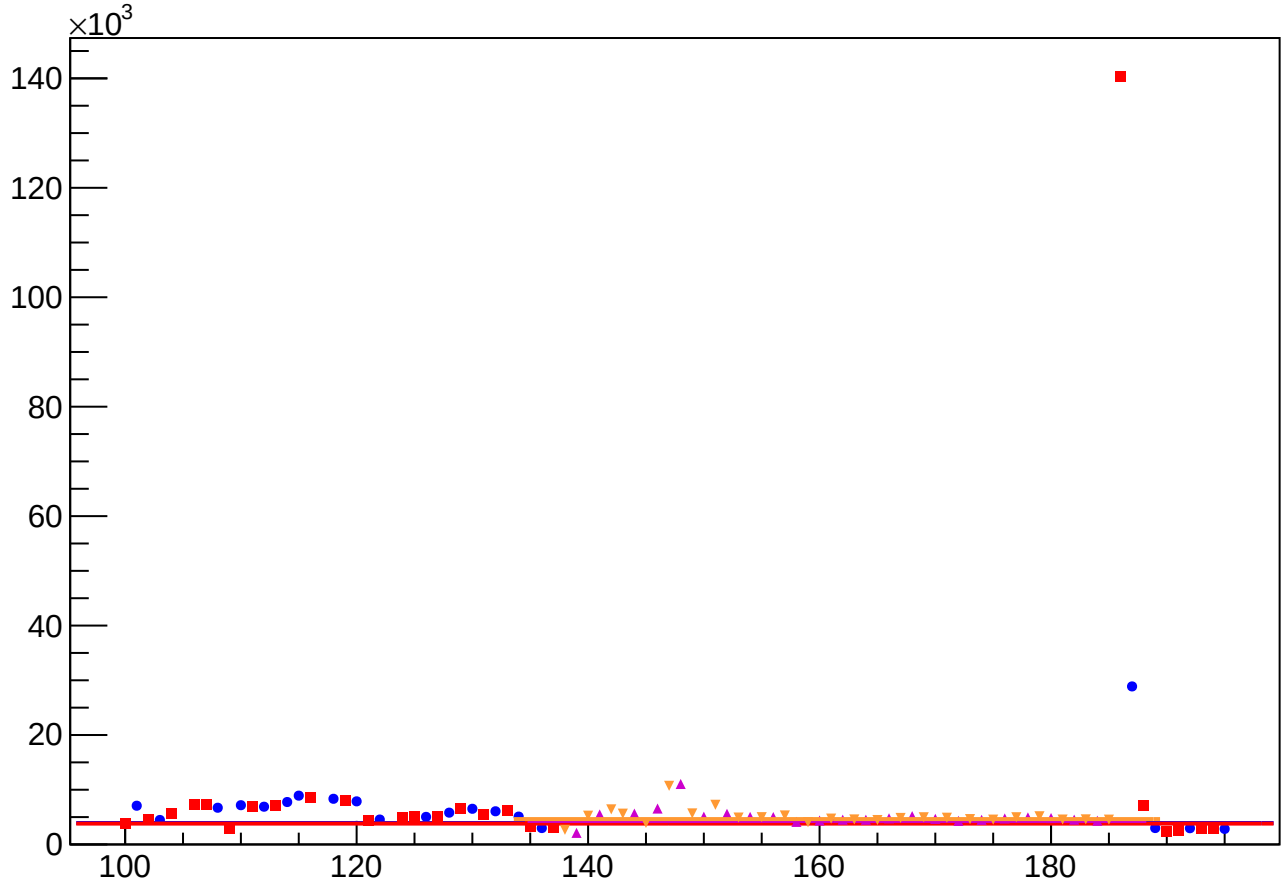
Right Out: -1.532+/-1.291 χ^2/NDF: 25.5/24

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.273+/-0.856 χ^2/NDF: 35.4/44

All: -0.698+/-0.592 χ^2/NDF: 95.4/92

- sign -1.088+/-0.819 χ^2/NDF: 59.5/47



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: 3813.777+/-0.913 χ^2/NDF: 3508948.7/24

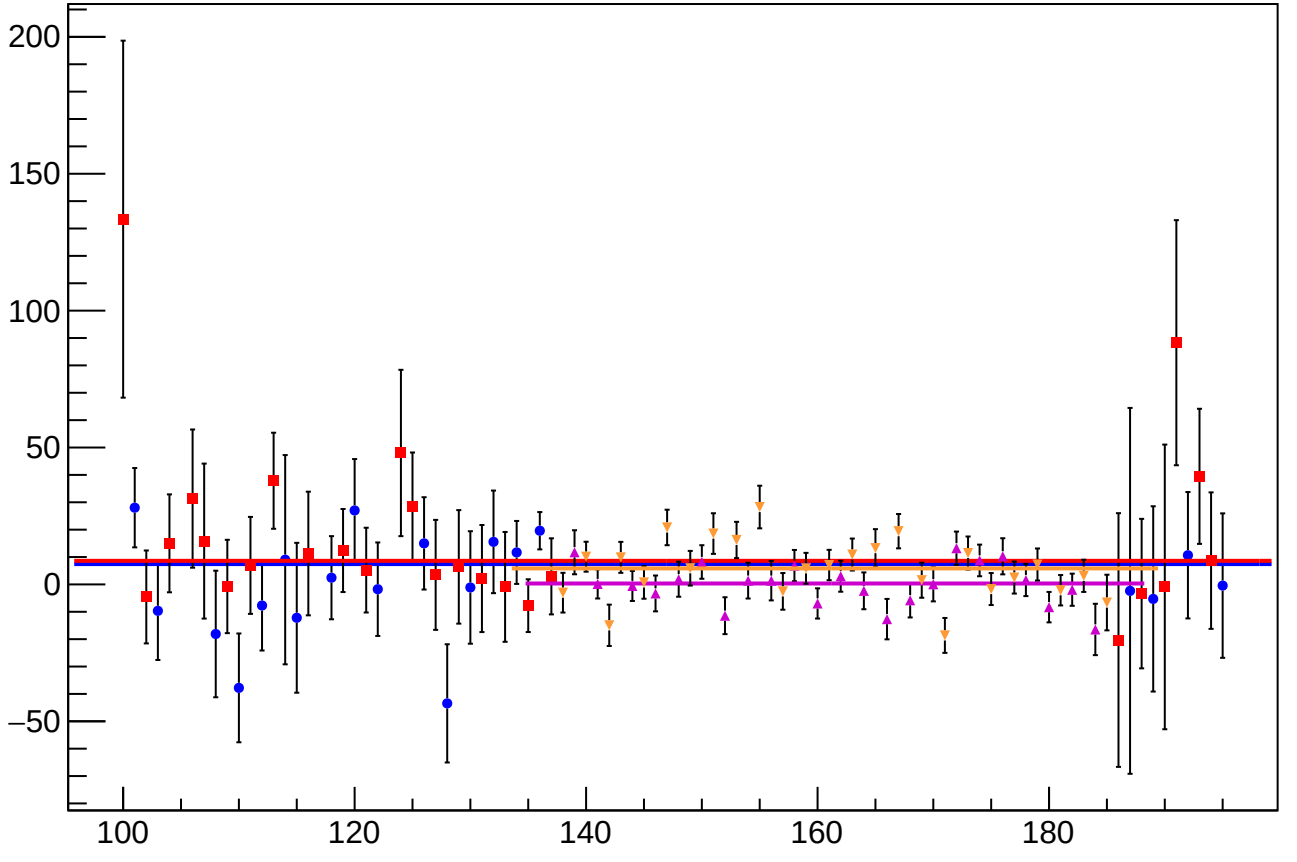
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4358.509+/-0.605 χ^2/NDF: 4879194.1/44

All: 4224.201+/-0.419 χ^2/NDF: 11744143.0/9

- sign 4101.084+/-0.579 χ^2/NDF: 6770554.8/47

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: 8.616+/-3.909 χ^2/NDF: 20.0/24

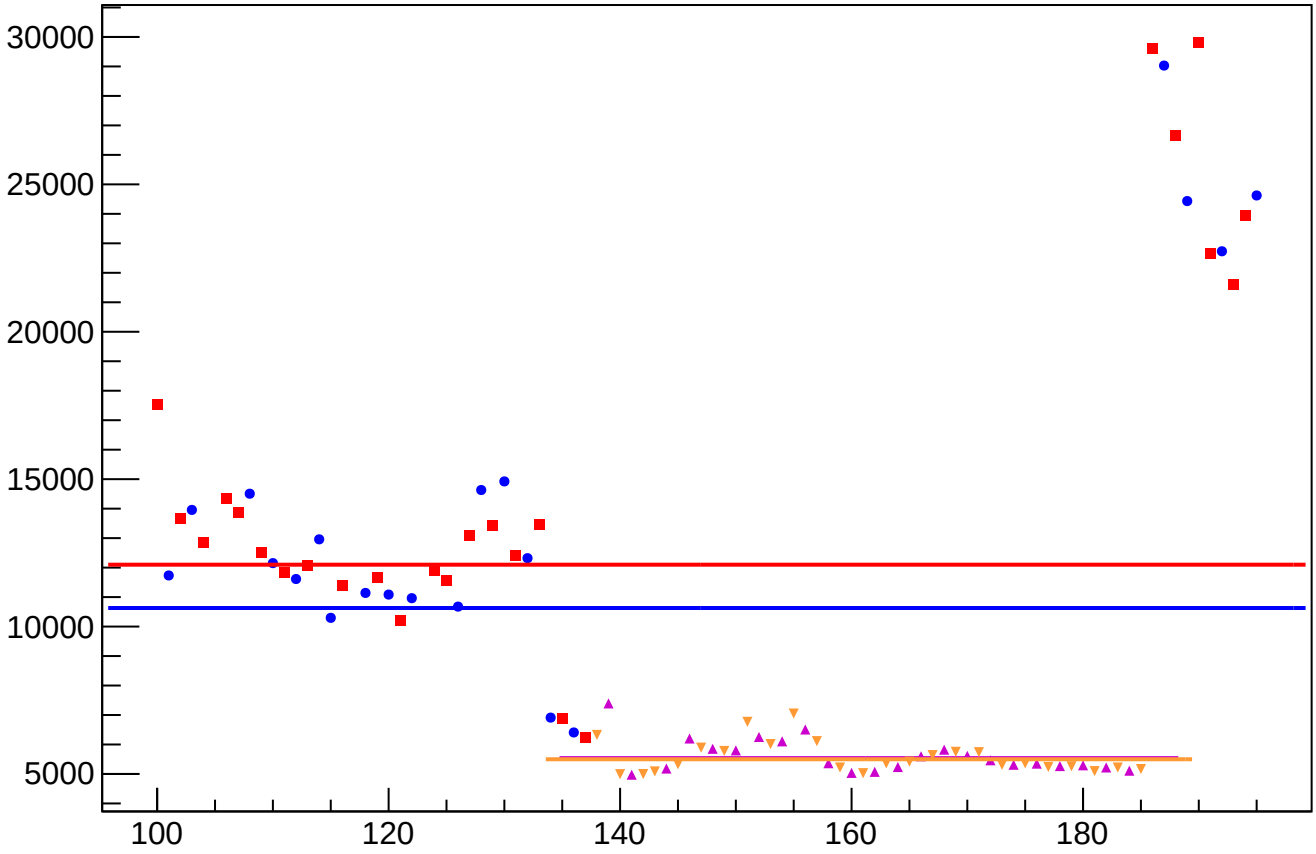
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.012+/-1.191 χ^2/NDF: 82.1/44

All: 3.674+/-0.857 χ^2/NDF: 143.5/92

- sign 1.162+/-1.234 χ^2/NDF: 53.4/47

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: 12098.842+/-2.764 χ^2/NDF: 3003476.5/24

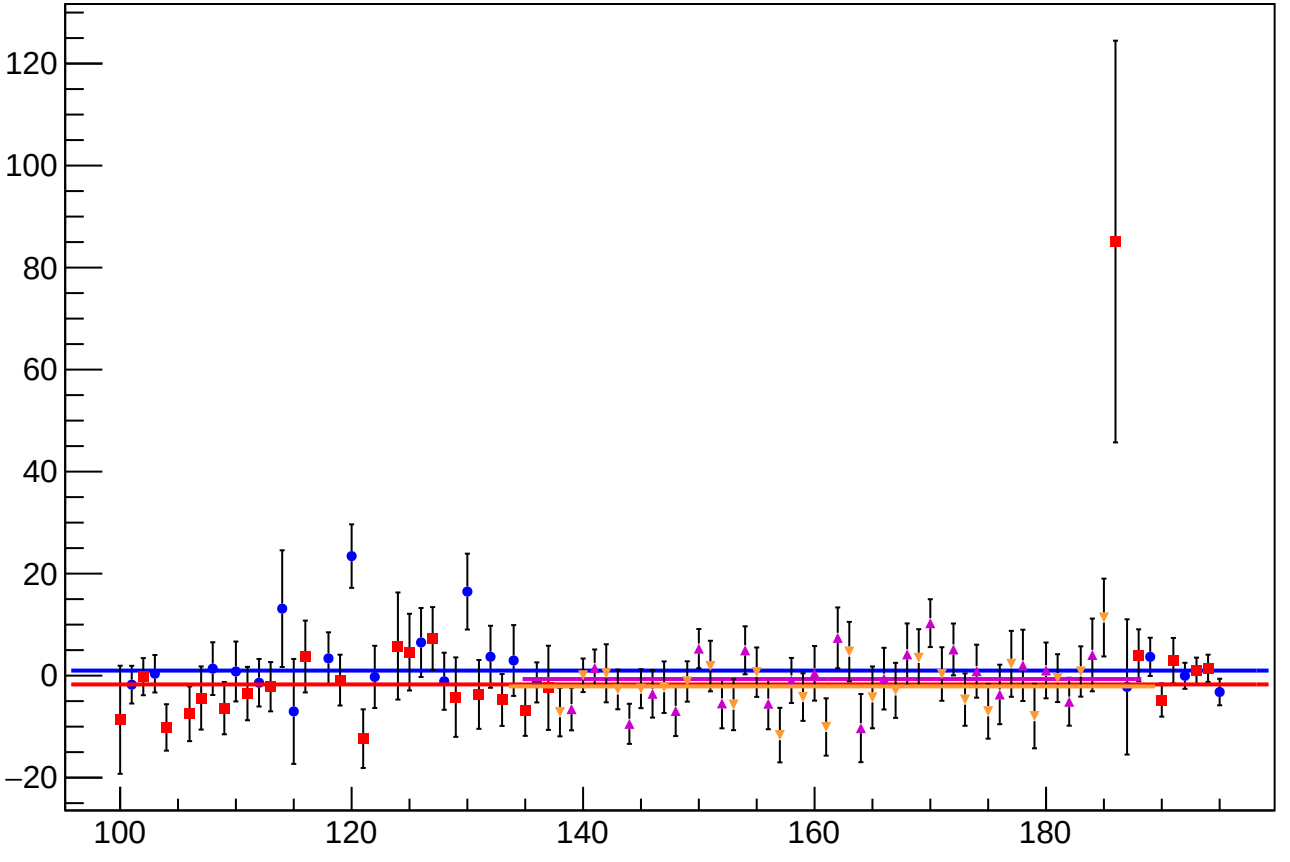
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6029.731+/-0.842 χ^2/NDF: 6652671.0/44

All: 6107.865+/-0.606 χ^2/NDF: 15050416.6/9

- sign 6191.831+/-0.873 χ^2/NDF: 8379876.1/47

diff_bpm16Y_mean vs Slug



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: -1.725+/-0.970 χ^2/NDF: 26.0/24

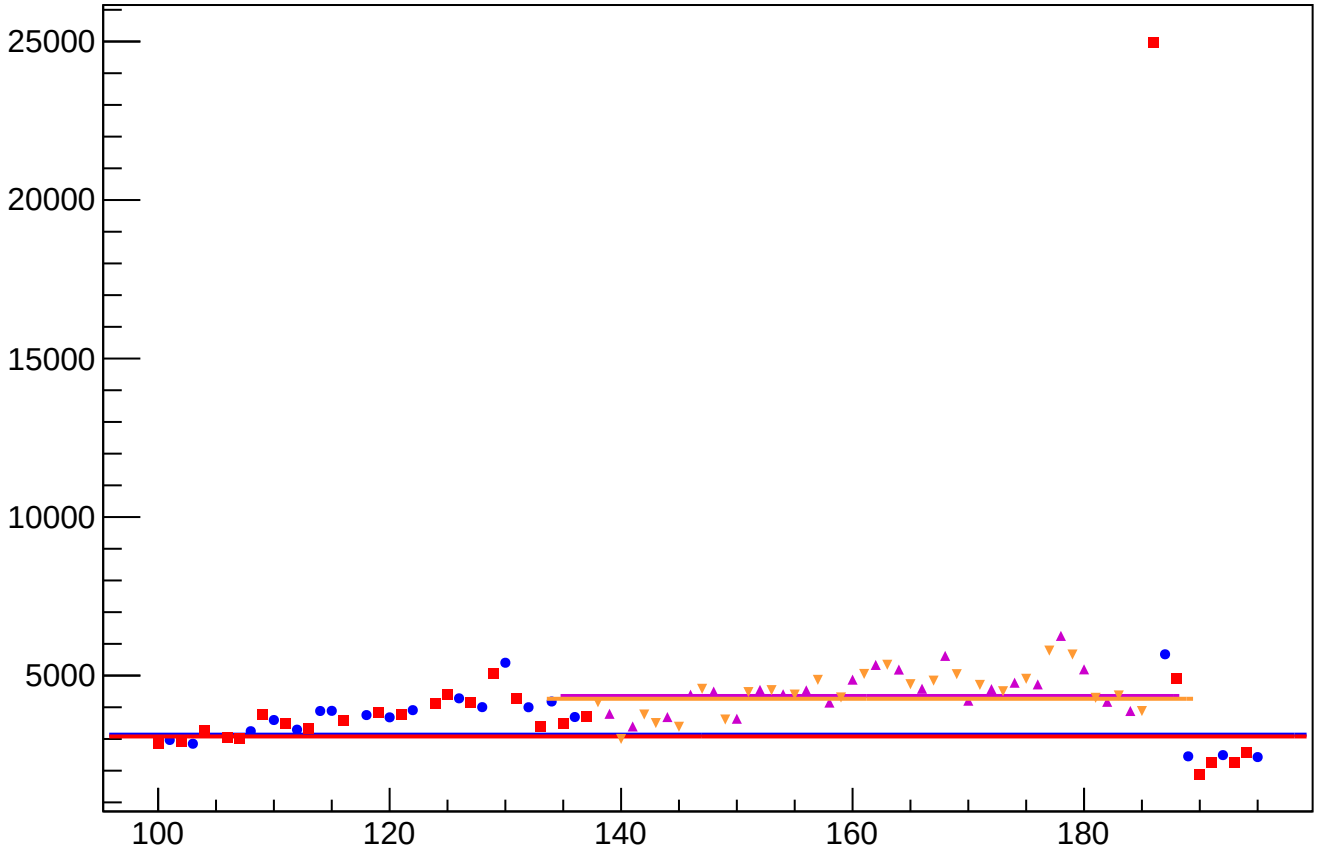
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.639+/-0.715 χ^2/NDF: 47.1/44

All: -0.938+/-0.503 χ^2/NDF: 102.4/92

- sign -1.230+/-0.707 χ^2/NDF: 54.9/47

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: 3078.917+/-0.686 χ^2/NDF: 2022870.3/24

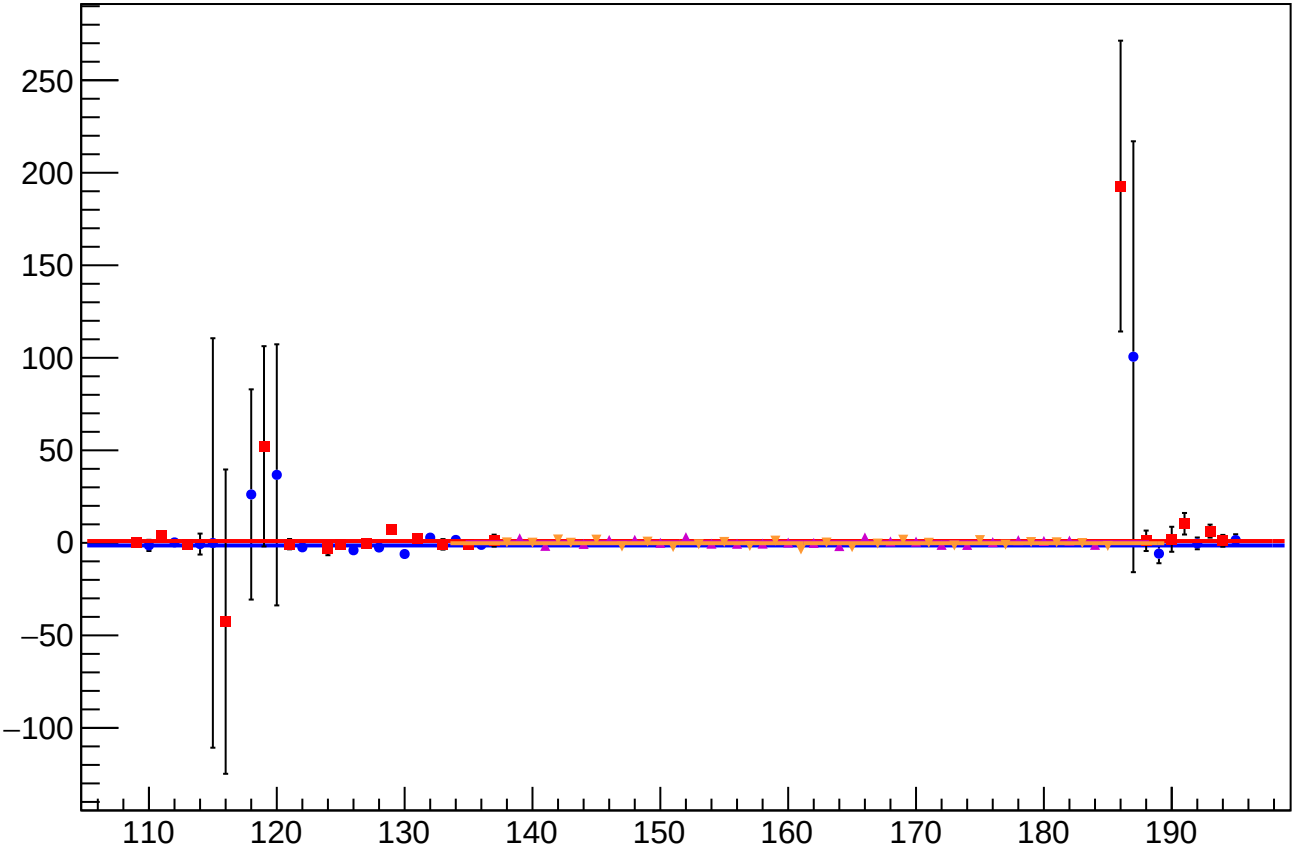
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3729.228+/-0.505 χ^2/NDF: 3245878.8/44

All: 3703.710+/-0.355 χ^2/NDF: 7643984.7/92

- sign 3678.782+/-0.500 χ^2/NDF: 4393068.1/47

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: 0.987+/-0.673 χ^2/NDF: 23.9/19

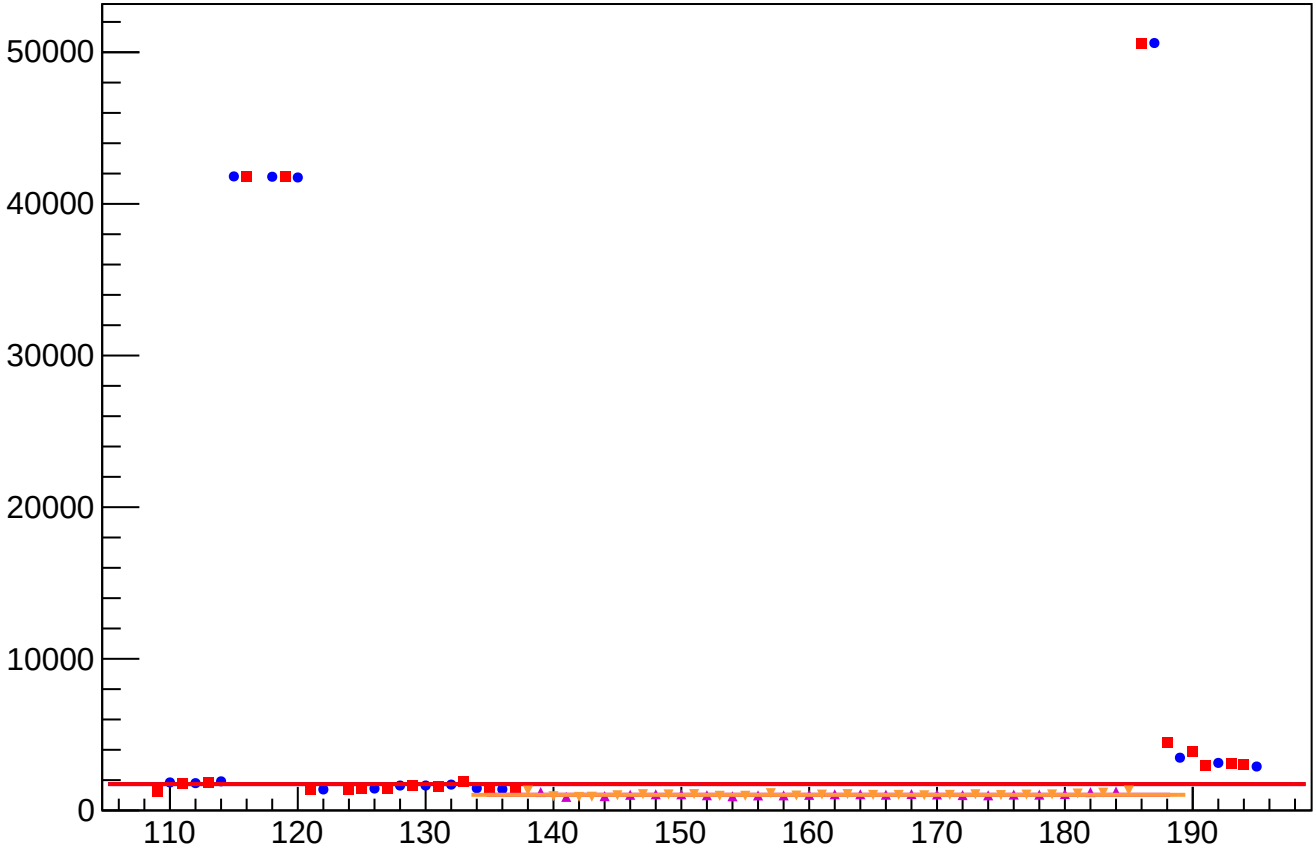
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.326+/-0.223 χ^2/NDF: 50.3/41

All: 0.033+/-0.159 χ^2/NDF: 109.7/84

- sign 0.408+/-0.228 χ^2/NDF: 54.1/42

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: 1738.449+/-0.476 χ^2/NDF: 4093808.8/19

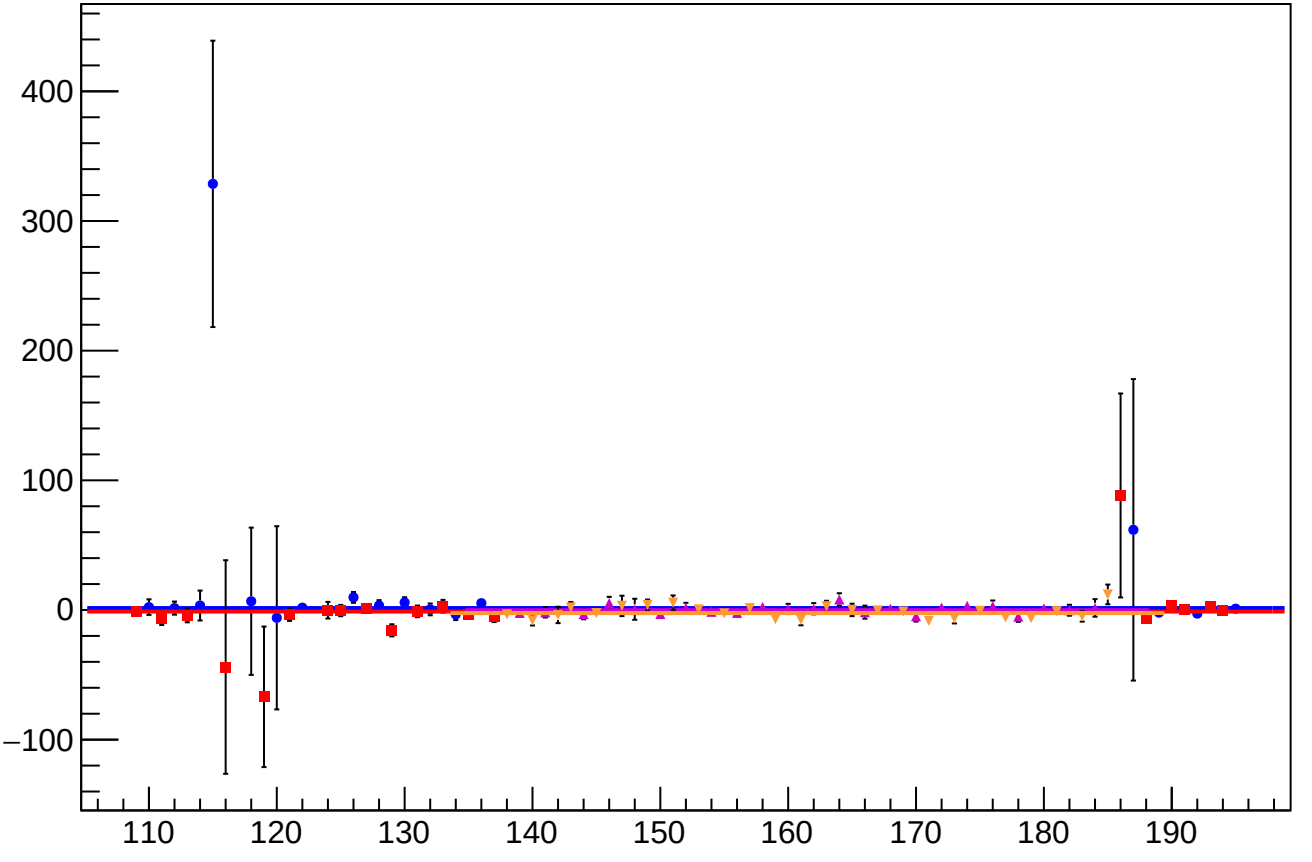
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1105.237+/-0.158 χ^2/NDF: 5491405.1/41

All: 1109.341+/-0.113 χ^2/NDF: 11721344.3/8

- sign 1113.631+/-0.161 χ^2/NDF: 6228552.2/42

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: -1.198+/-0.871 χ^2/NDF: 23.4/19

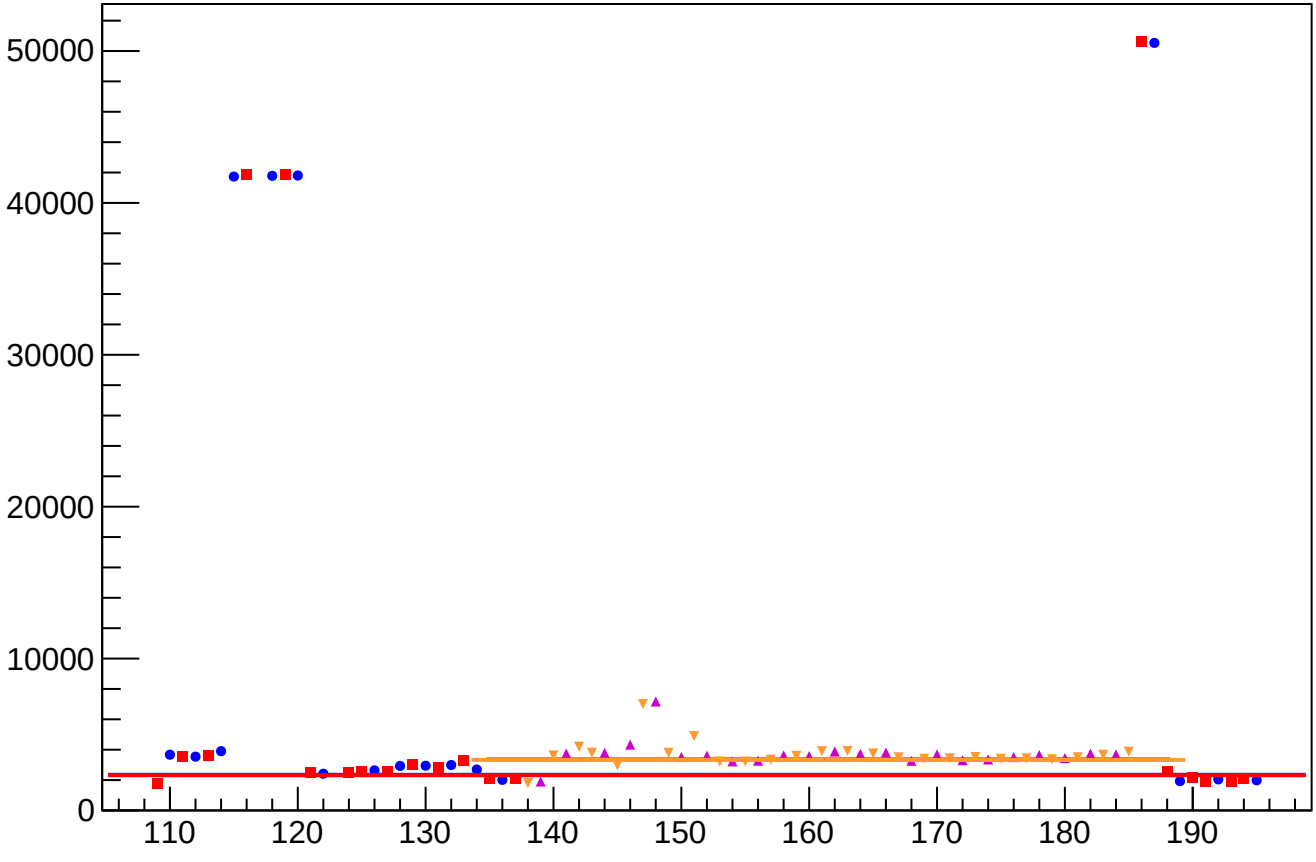
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.745+/-0.594 χ^2/NDF: 59.1/41

All: -0.696+/-0.420 χ^2/NDF: 95.9/84

- sign -0.647+/-0.593 χ^2/NDF: 36.8/42

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: 2320.168+/-0.616 χ^2/NDF: 2890680.5/19

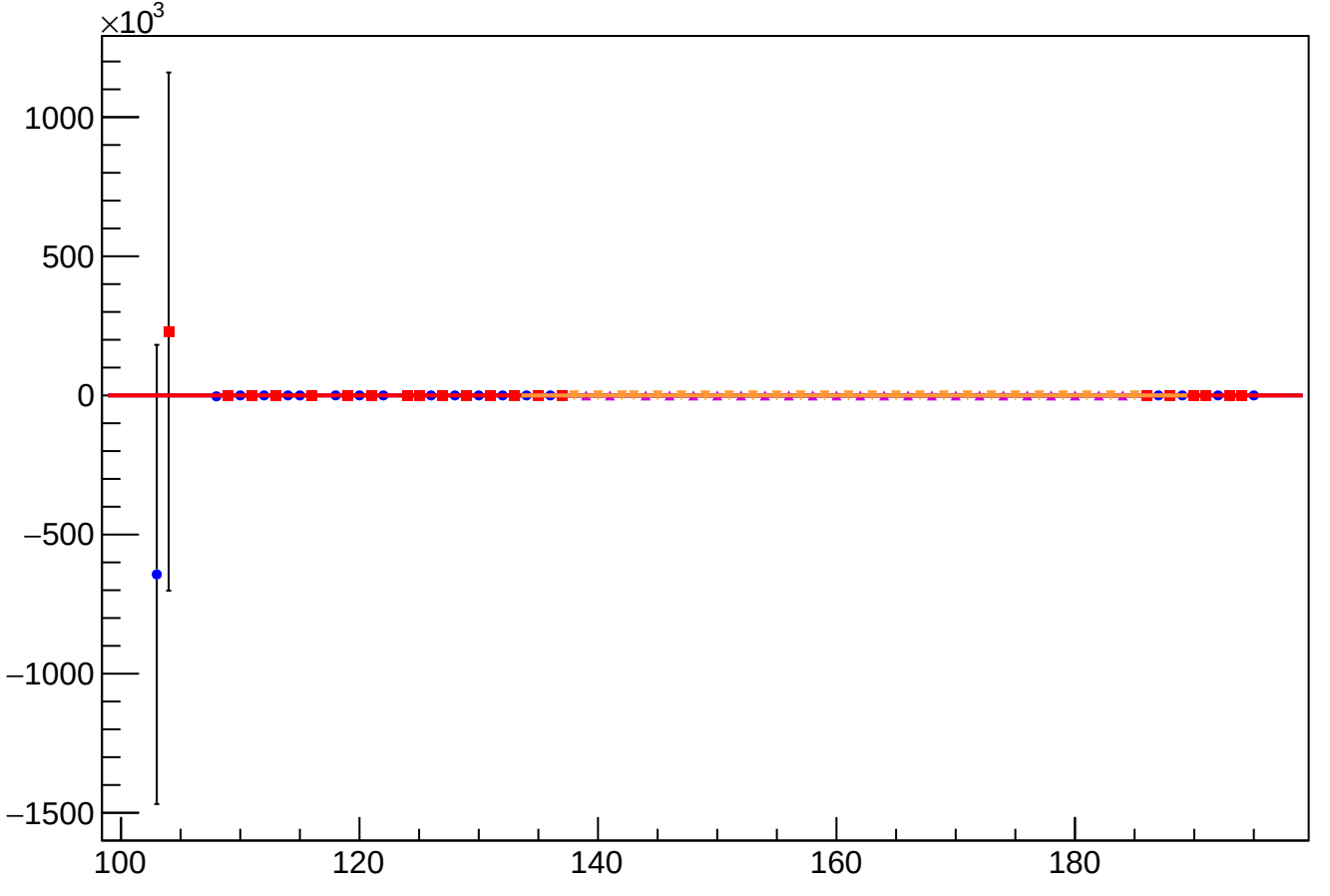
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2912.988+/-0.420 χ^2/NDF: 6012701.7/41

All: 2895.693+/-0.297 χ^2/NDF: 12087659.4/8

- sign 2878.469+/-0.419 χ^2/NDF: 6071576.3/42

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: -2.508+/-0.851 χ^2/NDF: 21.6/20

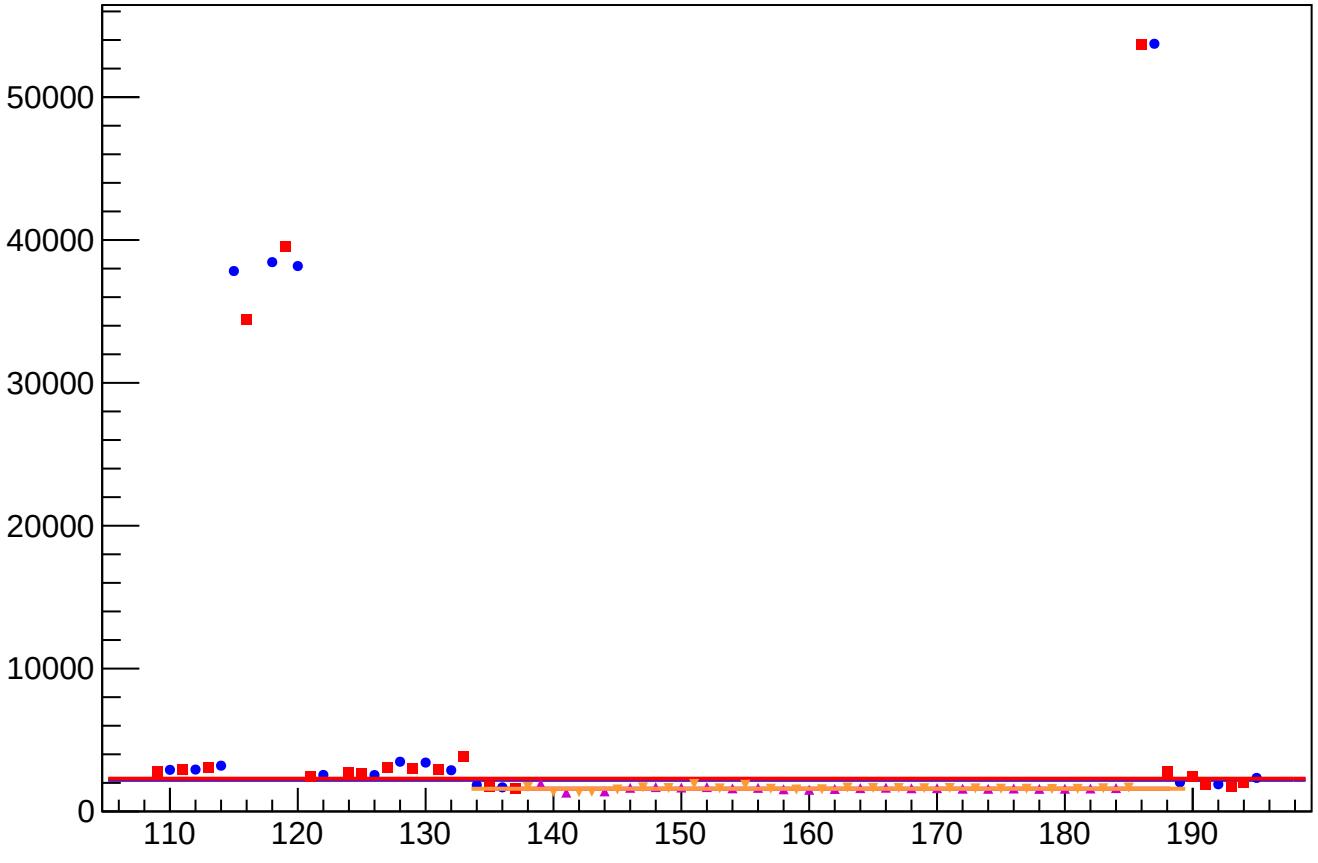
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.477+/-0.335 χ^2/NDF: 70.7/43

All: -0.947+/-0.240 χ^2/NDF: 132.1/87

- sign -0.392+/-0.343 χ^2/NDF: 56.3/43

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: 2292.478+/-0.602 χ^2/NDF: 3136539.7/19

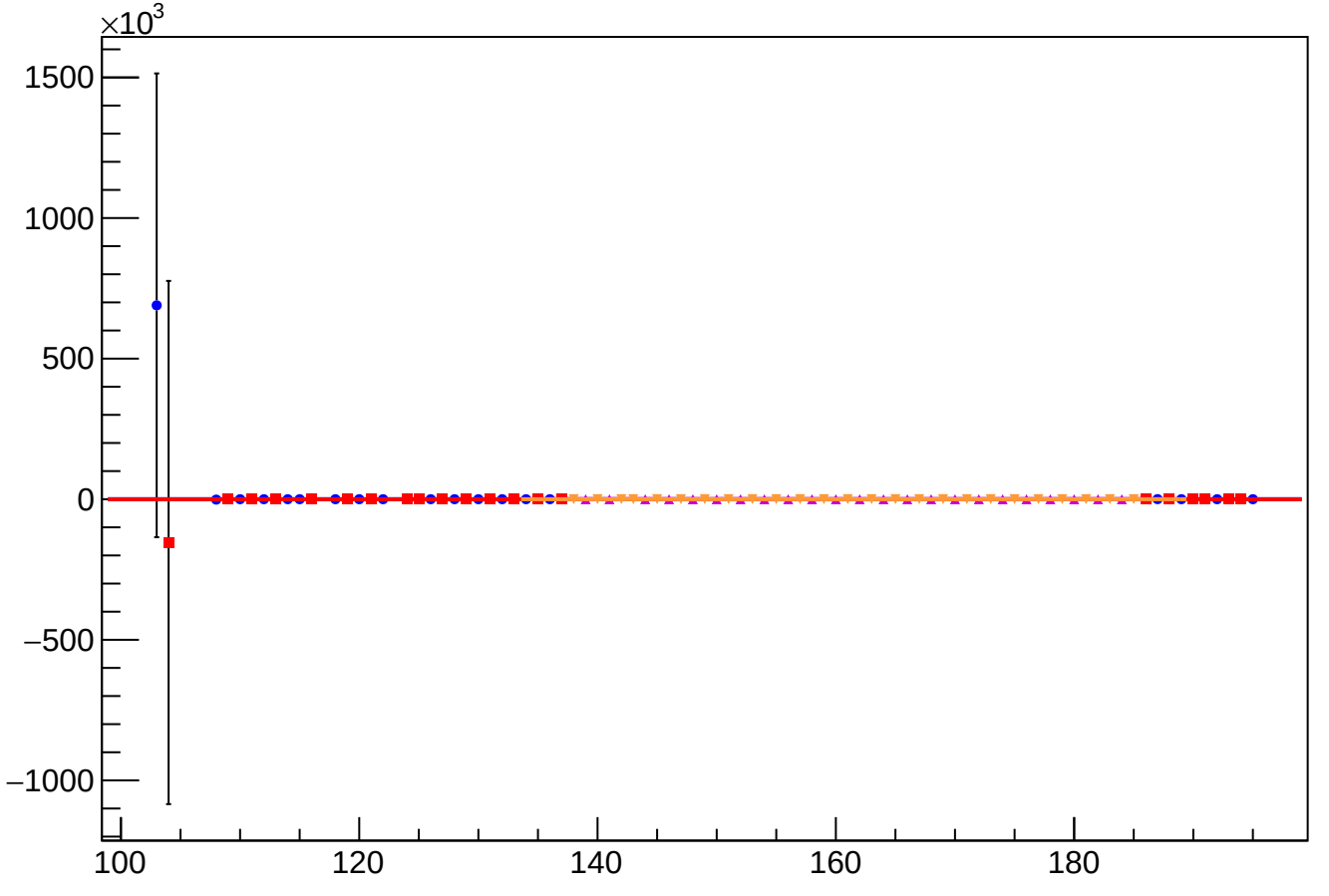
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1682.752+/-0.237 χ^2/NDF: 4013961.1/41

All: 1695.580+/-0.169 χ^2/NDF: 8474087.1/84

- sign 1709.019+/-0.242 χ^2/NDF: 4454117.0/42

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: -0.475+/-0.726 χ^2/NDF: 24.4/20

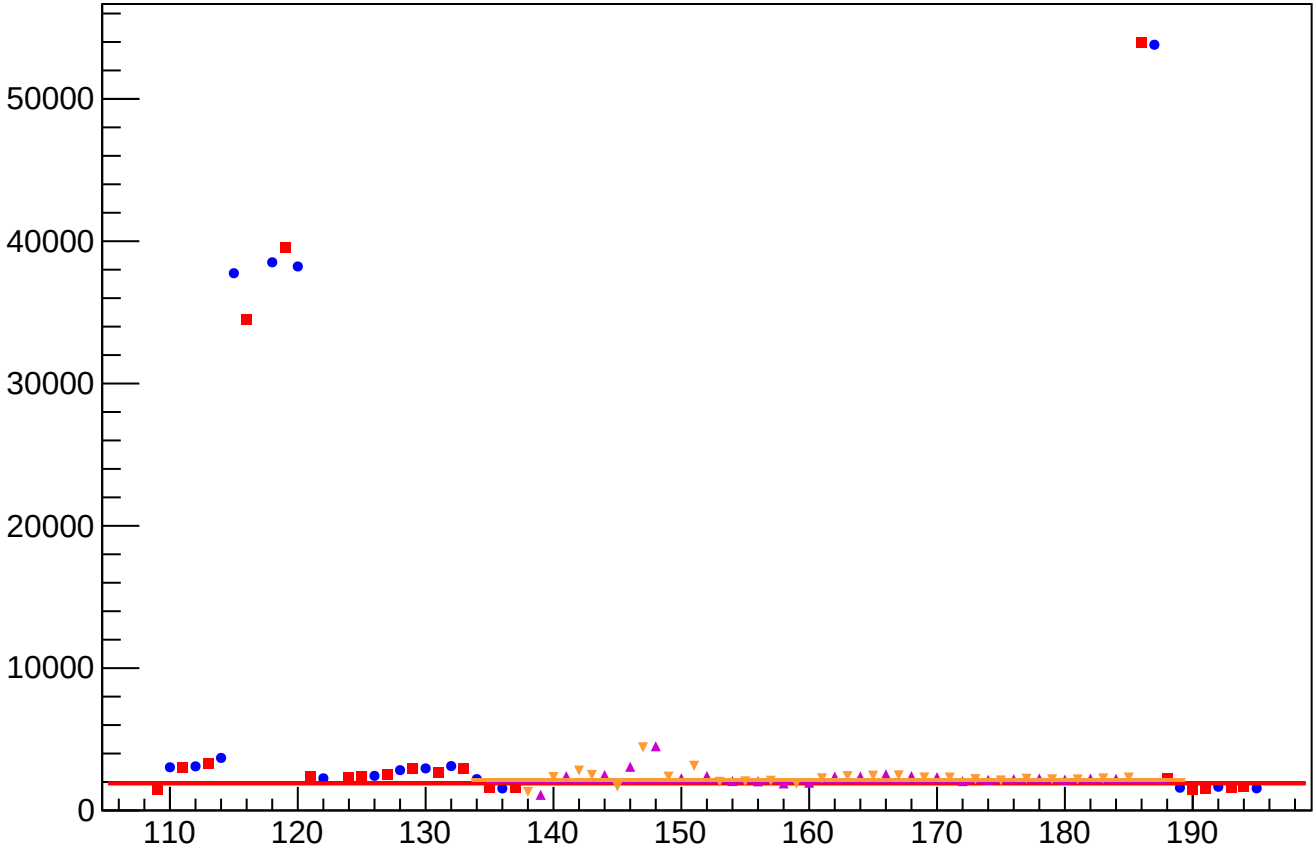
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.646+/-0.419 χ^2/NDF: 40.7/43

All: -0.353+/-0.294 χ^2/NDF: 83.4/87

- sign -0.069+/-0.412 χ^2/NDF: 41.7/43

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: 1905.271+/-0.513 χ^2/NDF: 3313999.6/19

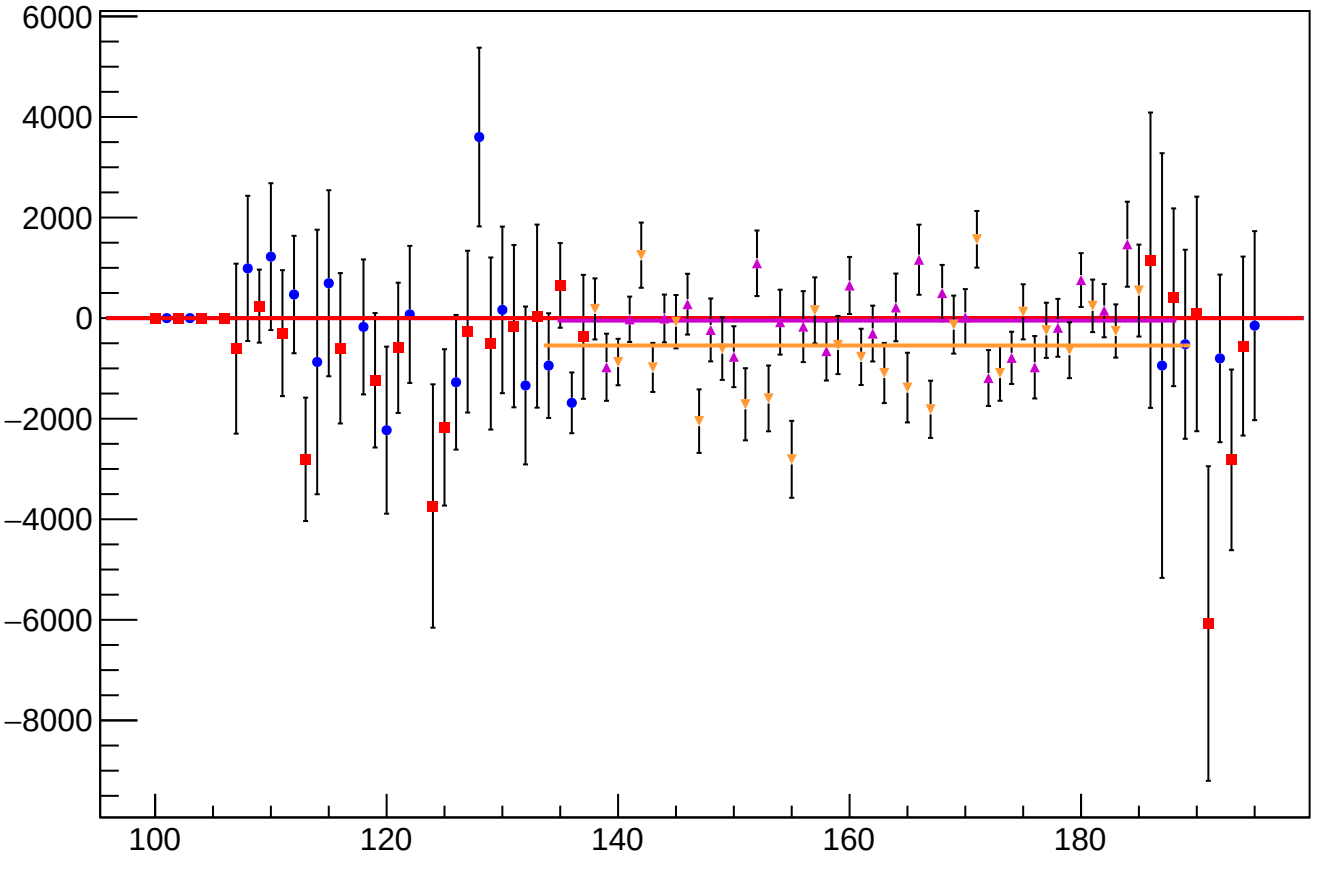
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2072.666+/-0.297 χ^2/NDF: 4804518.8/41

All: 2040.225+/-0.208 χ^2/NDF: 10495762.2/8

- sign 2008.848+/-0.292 χ^2/NDF: 5667705.9/42

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

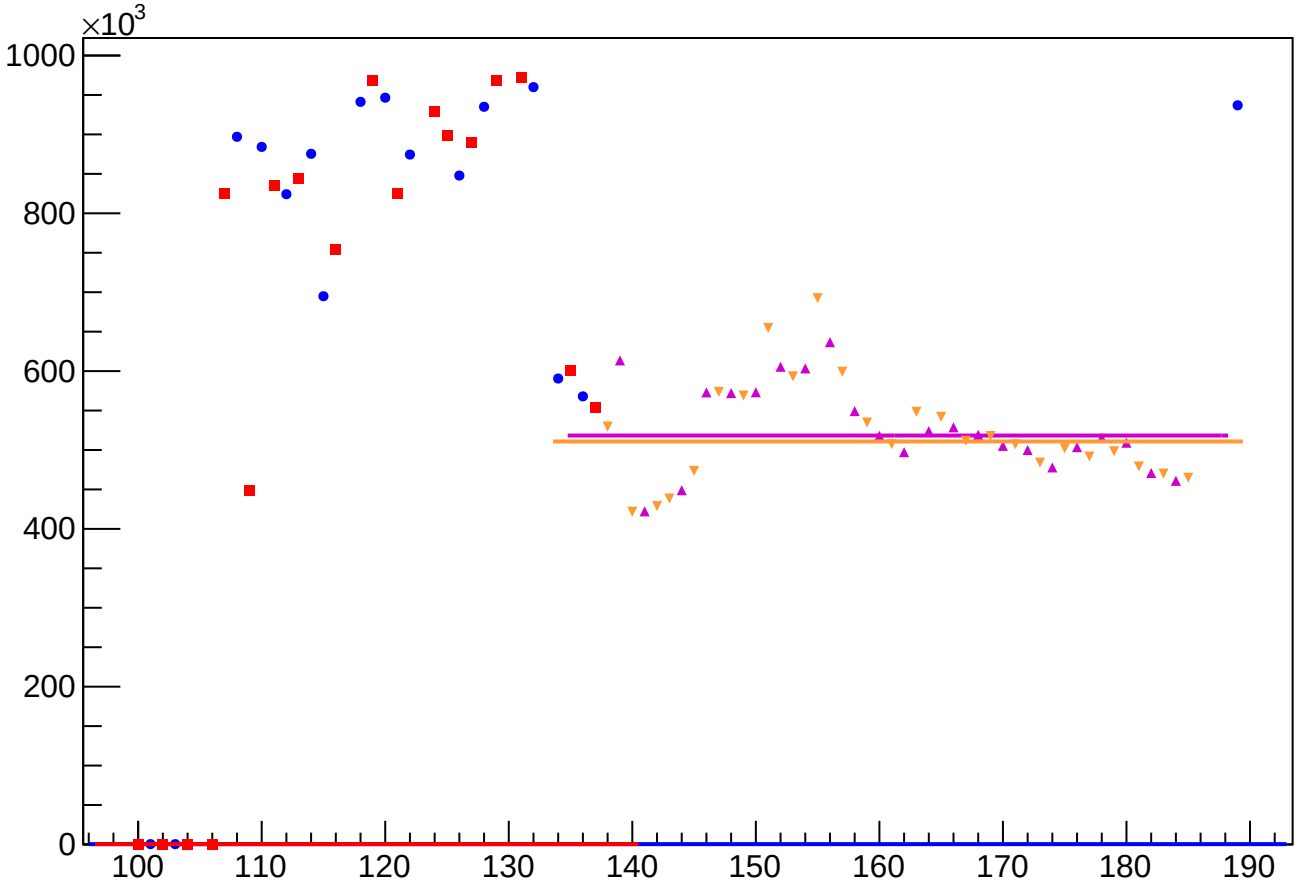
Right Out: 0.096+/-0.328 χ^2/NDF: 22.0/24

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: 150.8/92

- sign 0.095+/-0.328 χ^2/NDF: 50.1/47



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

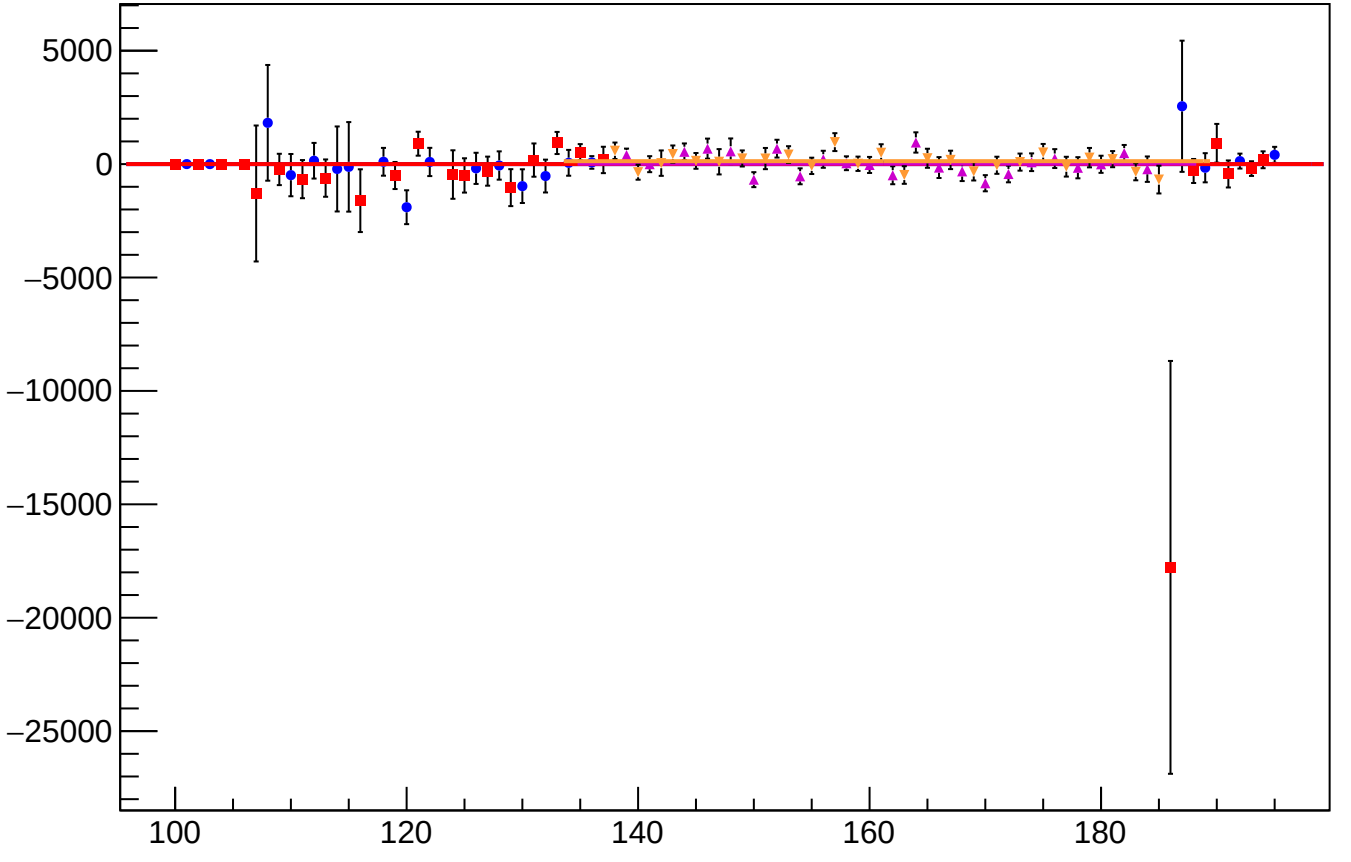
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: 21.5/24

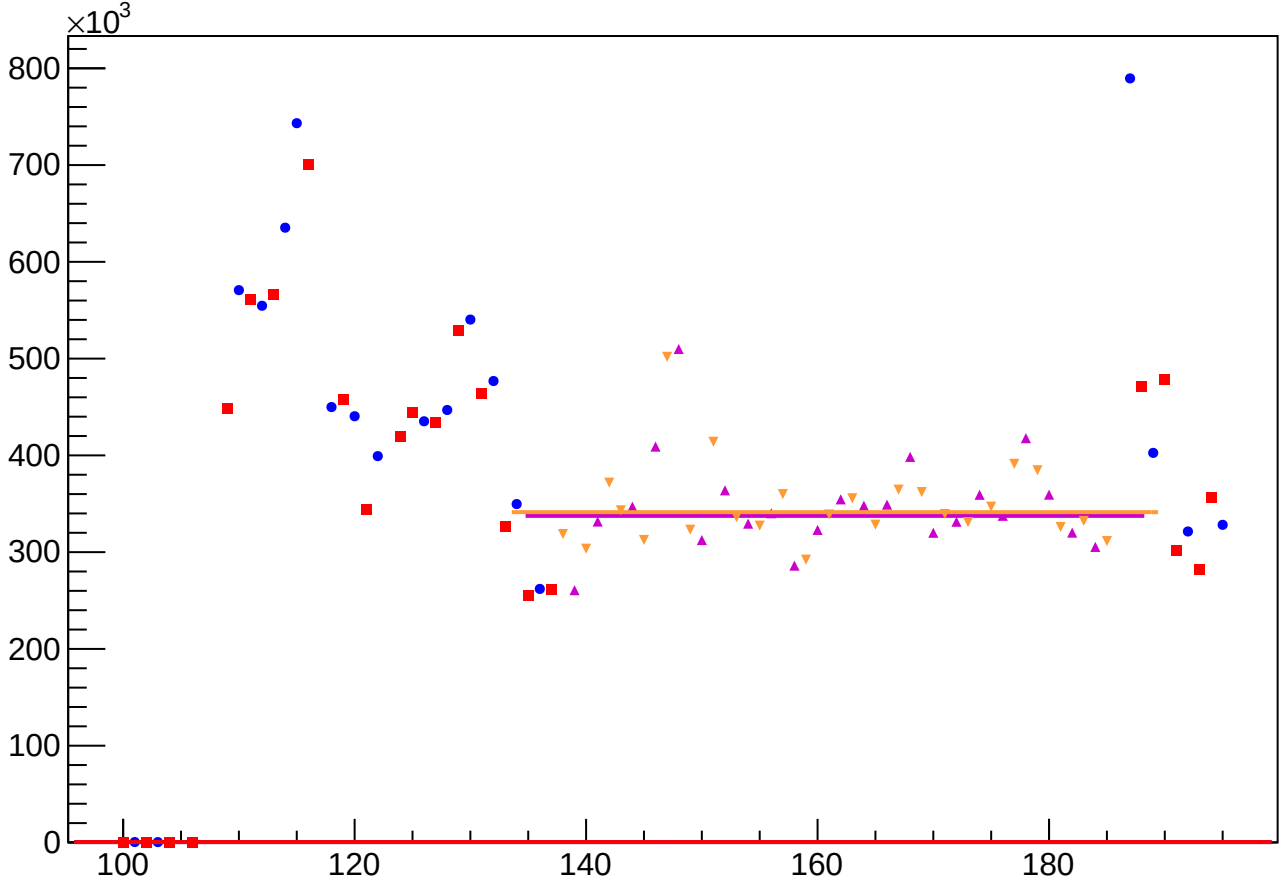
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 35.6/44

All: 0.312+/-0.237 χ^2/NDF: 92.5/92

- sign 0.599+/-0.324 χ^2/NDF: 55.2/47

diff_cav4bY_rms vs Slug



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: 388.866+/-0.229 χ^2/NDF: 17100786.6/22

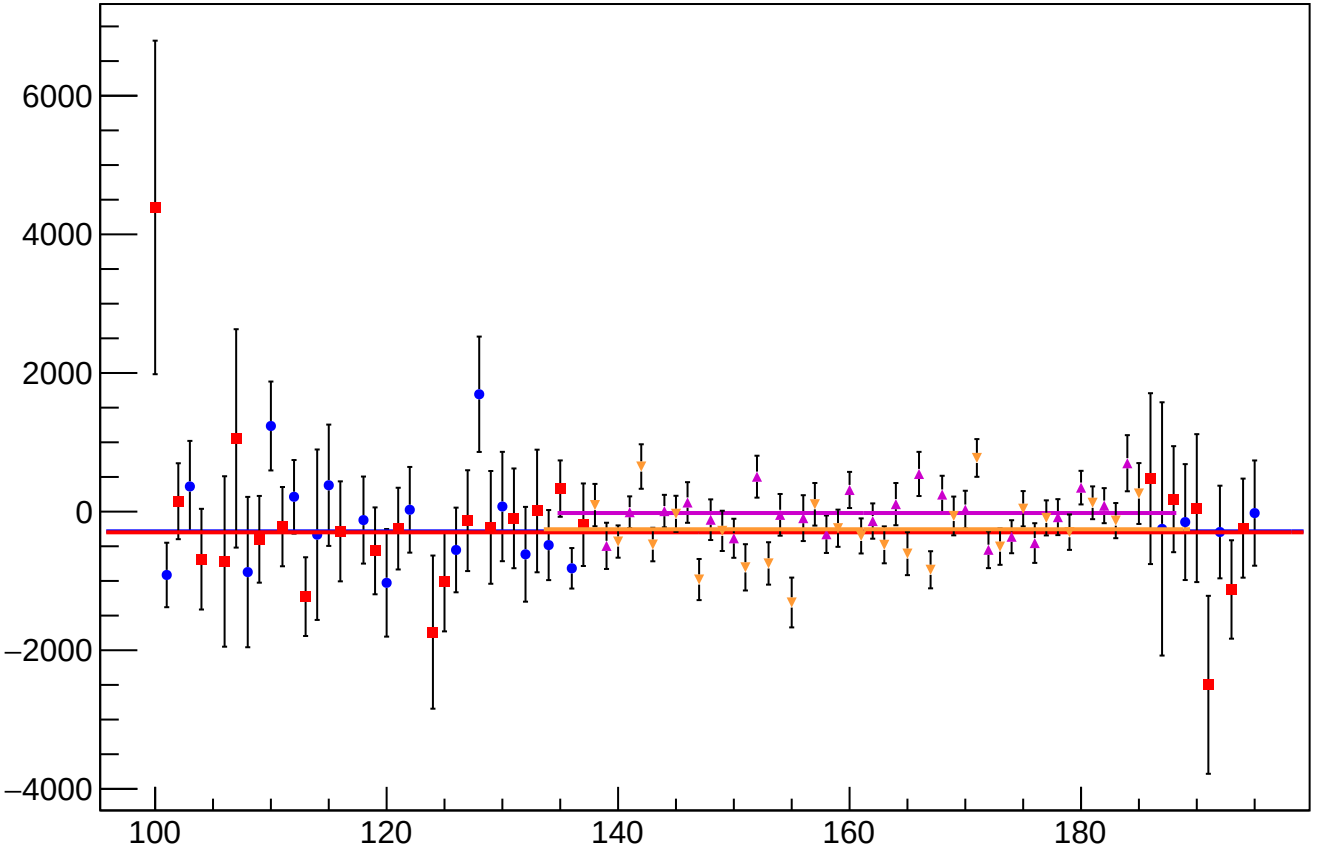
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.774+/-0.245 χ^2/NDF: 53921184.3/43

All: 395.981+/-0.167 χ^2/NDF: 107341078.0/8

- sign 394.420+/-0.229 χ^2/NDF: 53419793.8/45

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

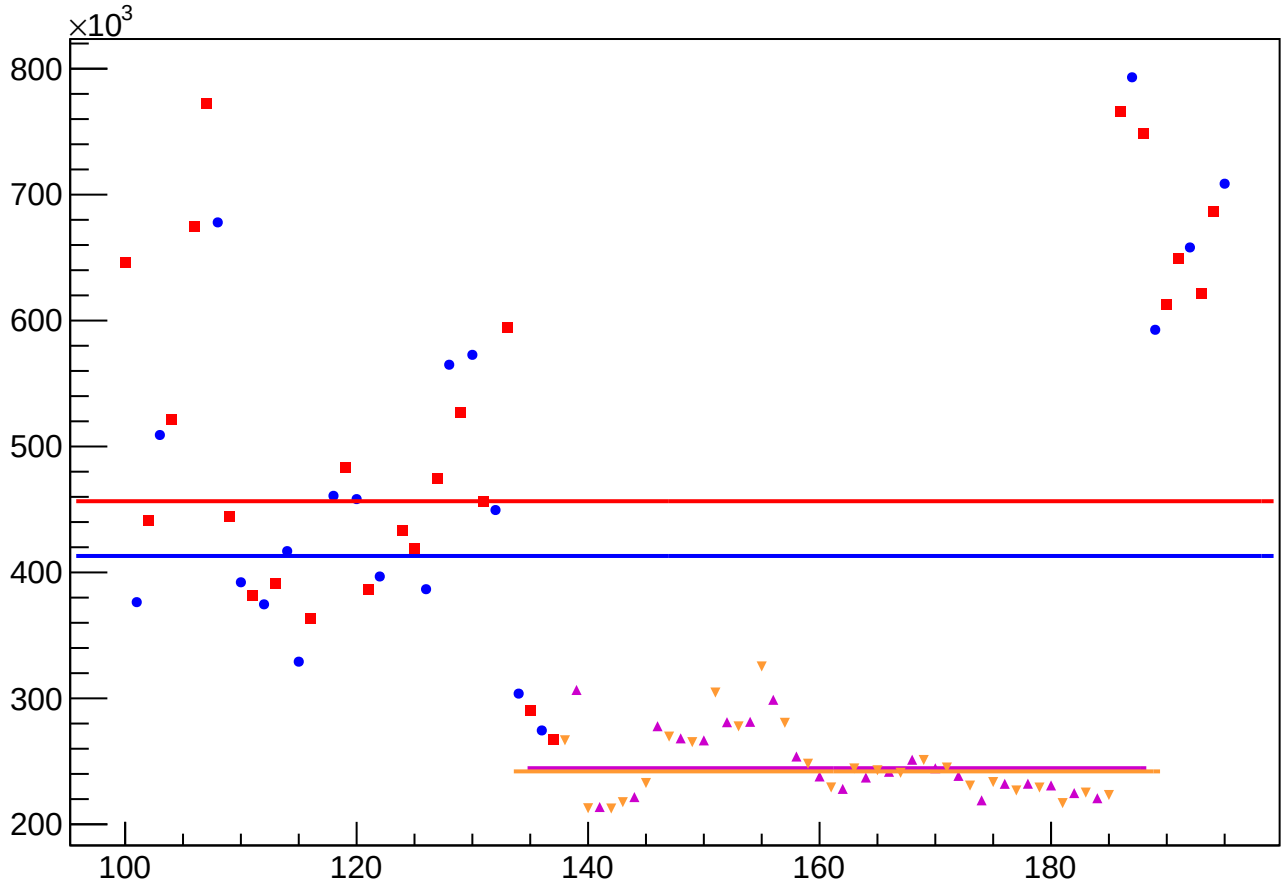
Right Out: -298.759+/-143.472 χ^2/NDF: 19.1/24

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -258.495+/-51.478 χ^2/NDF: 82.7/44

All: -162.190+/-37.048 χ^2/NDF: 140.8/92

- sign -58.711+/-53.360 χ^2/NDF: 50.9/47



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: 456555.383+/-101.521 χ^2/NDF: 1716204.9/24

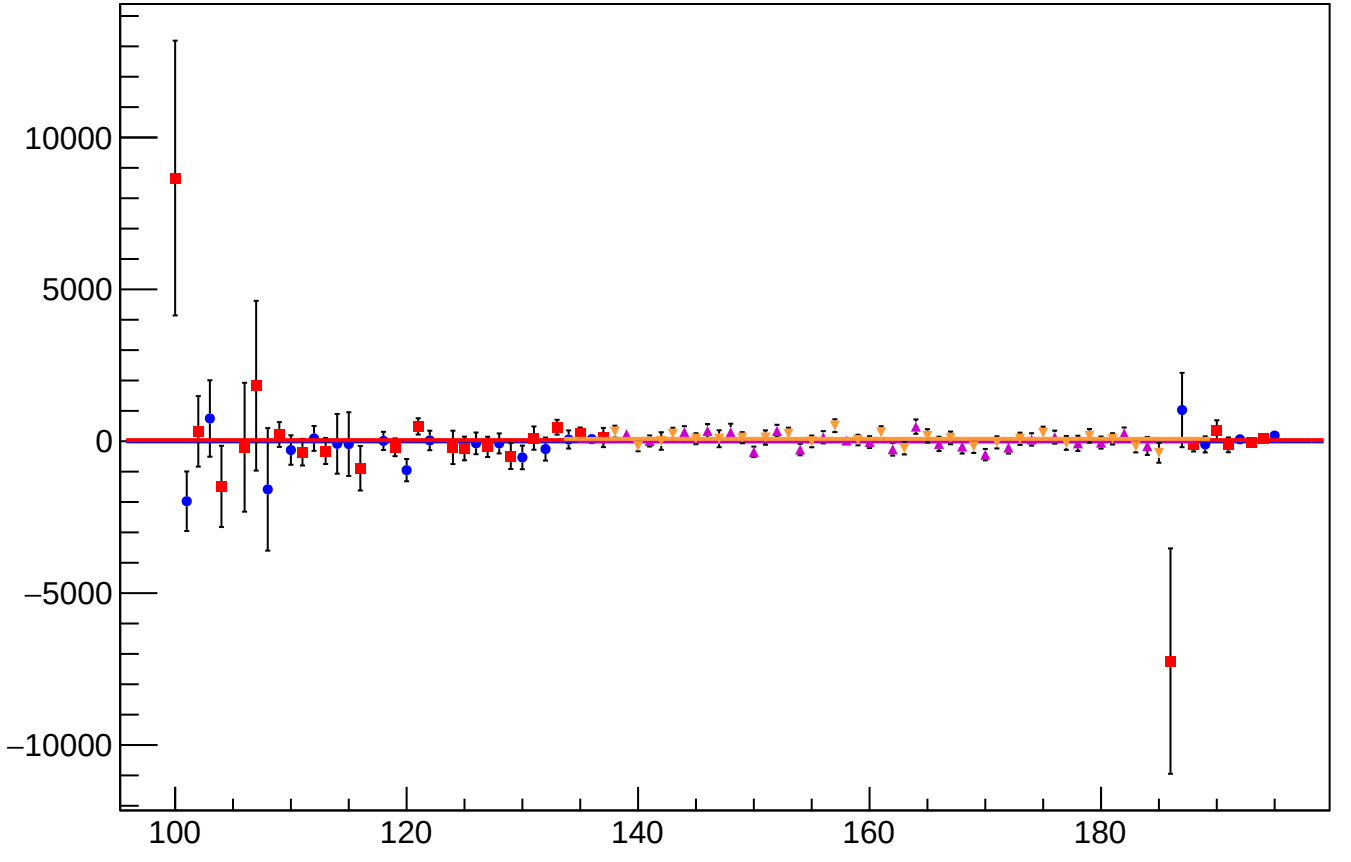
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 265461.018+/-36.401 χ^2/NDF: 4702190.6/44

All: 269496.849+/-26.198 χ^2/NDF: 1056412

- sign 273833.923+/-37.735 χ^2/NDF: 5836435.5/47

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: 36.852+/-59.869 χ^2/NDF: 25.6/24

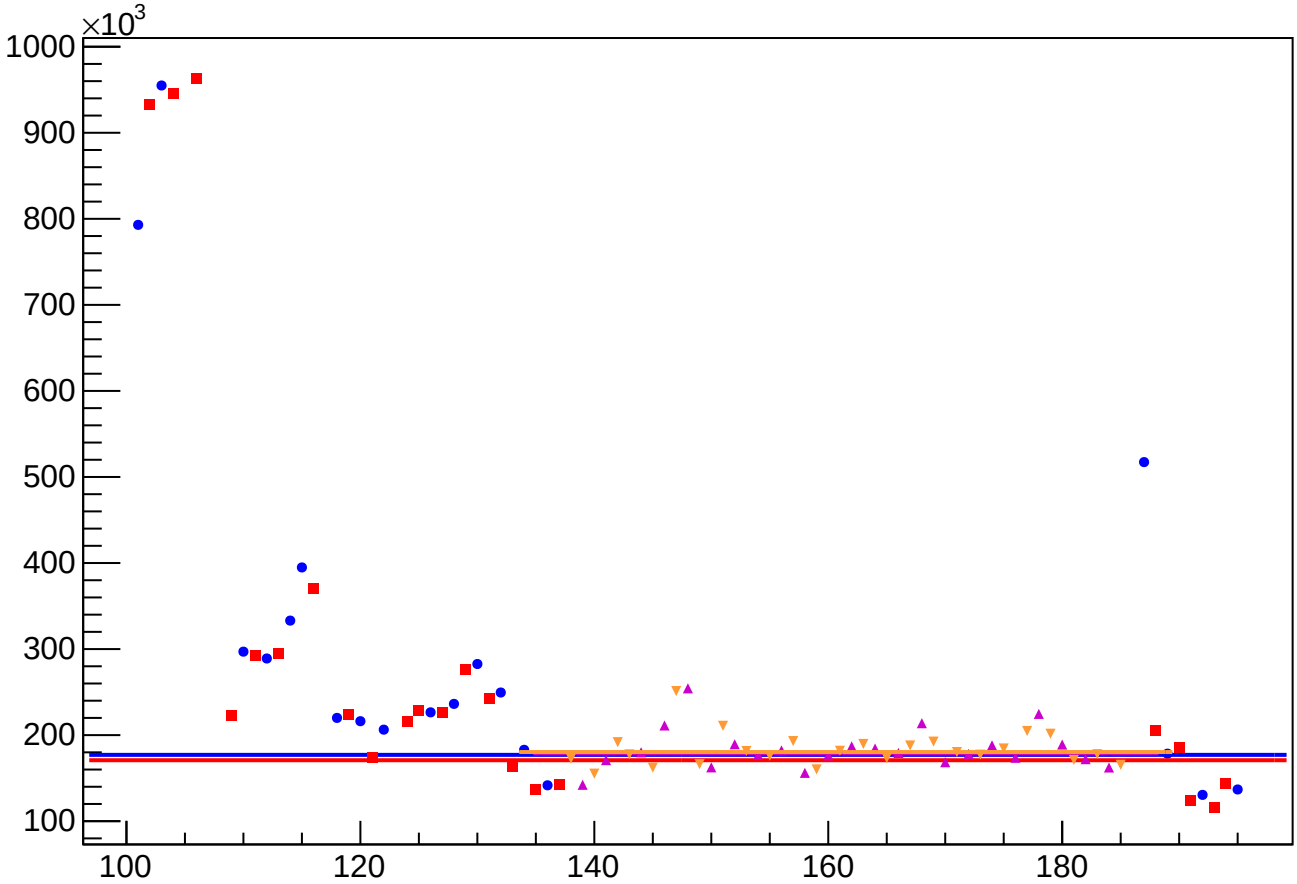
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 55.071+/-34.679 χ^2/NDF: 38.5/44

All: 38.261+/-24.462 χ^2/NDF: 97.8/92

- sign 21.614+/-34.511 χ^2/NDF: 58.8/47

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: 170832.650+/-42.389 χ^2/NDF: 2891839.9/21

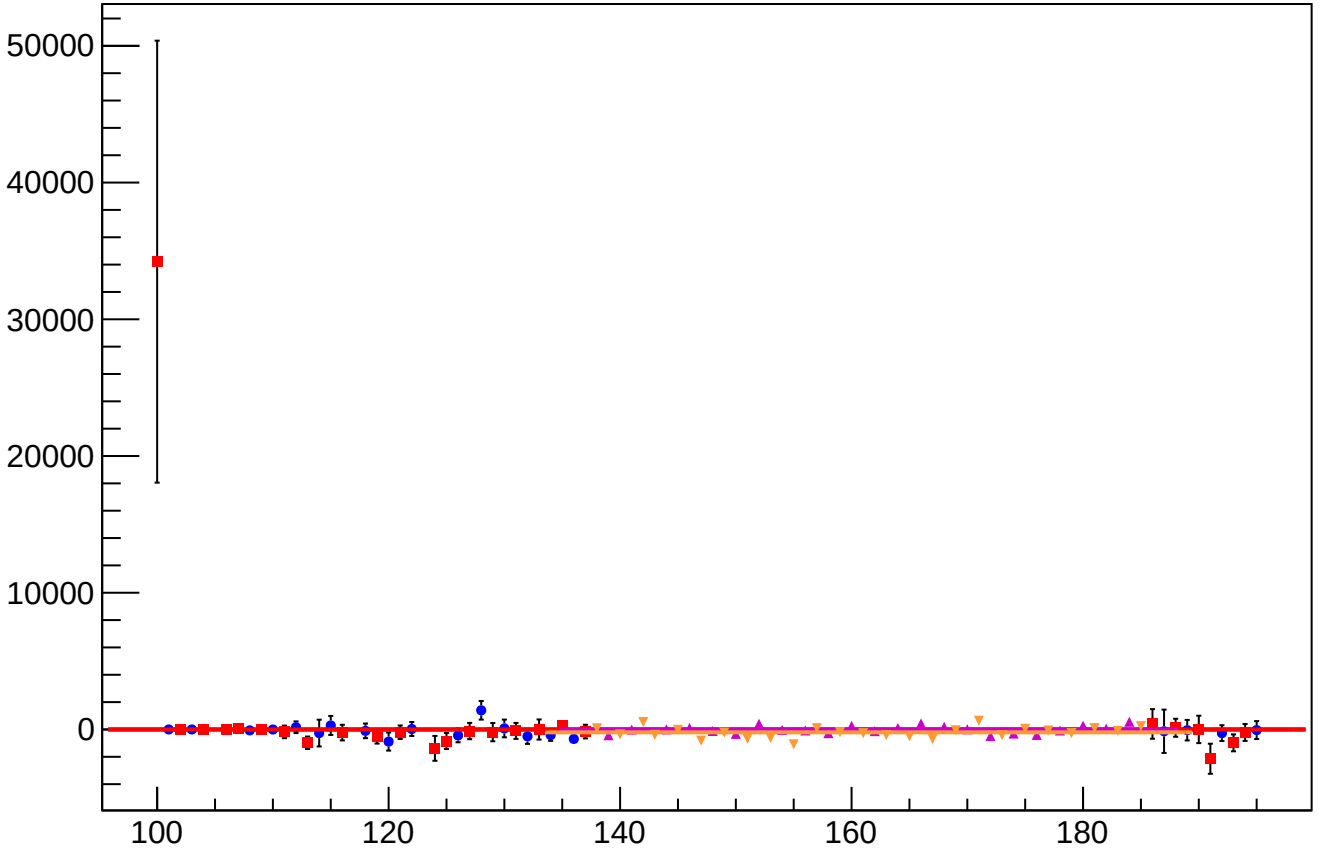
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 179376.656+/-24.528 χ^2/NDF: 3131851.9/43

All: 177834.622+/-17.303 χ^2/NDF: 6557917.

- sign 176307.032+/-24.413 χ^2/NDF: 3418198.3/44

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: 23.1/24

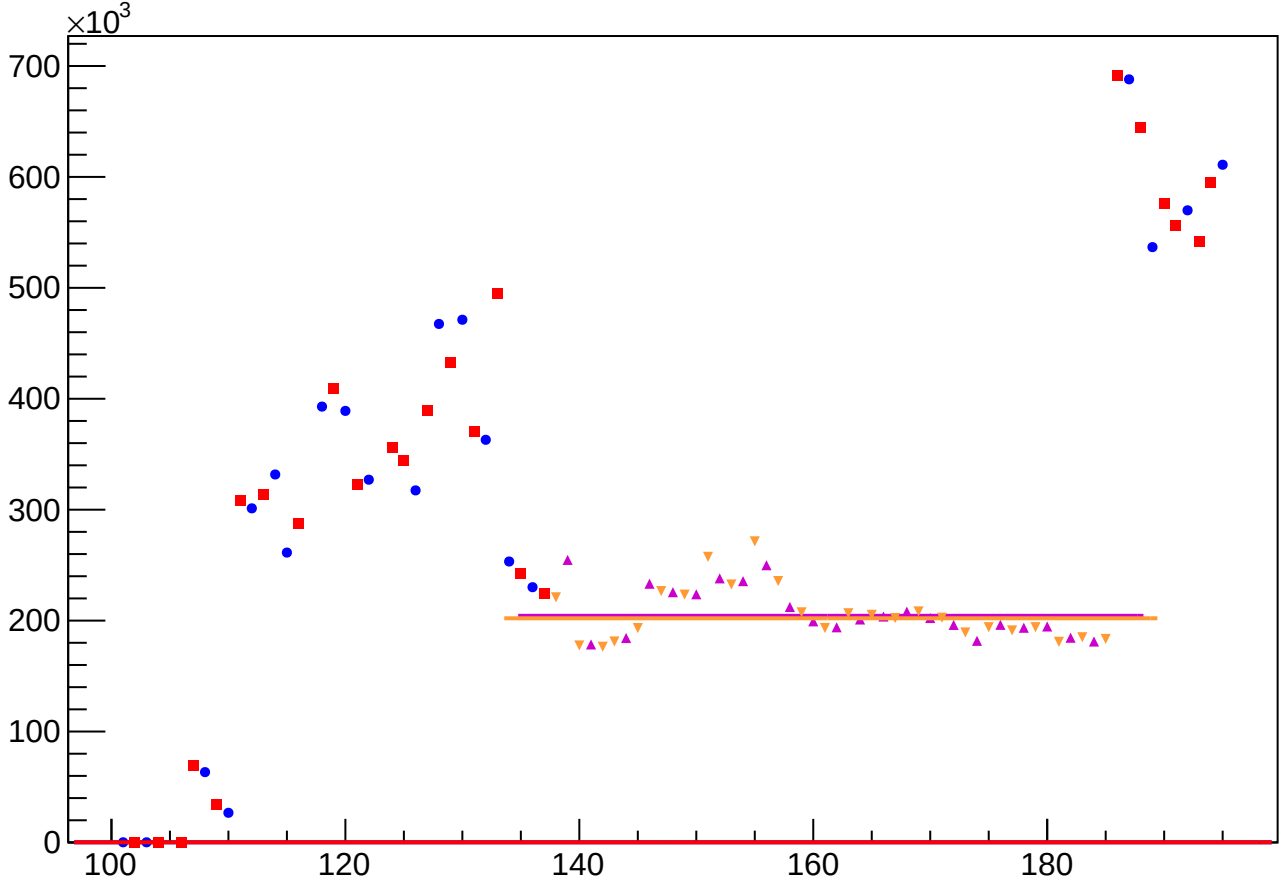
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 100.2/44

All: -0.208+/-0.117 χ^2/NDF: 153.8/92

- sign -0.355+/-0.160 χ^2/NDF: 51.8/47

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: 149.534+/-0.113 χ^2/NDF: 18563167.2/23

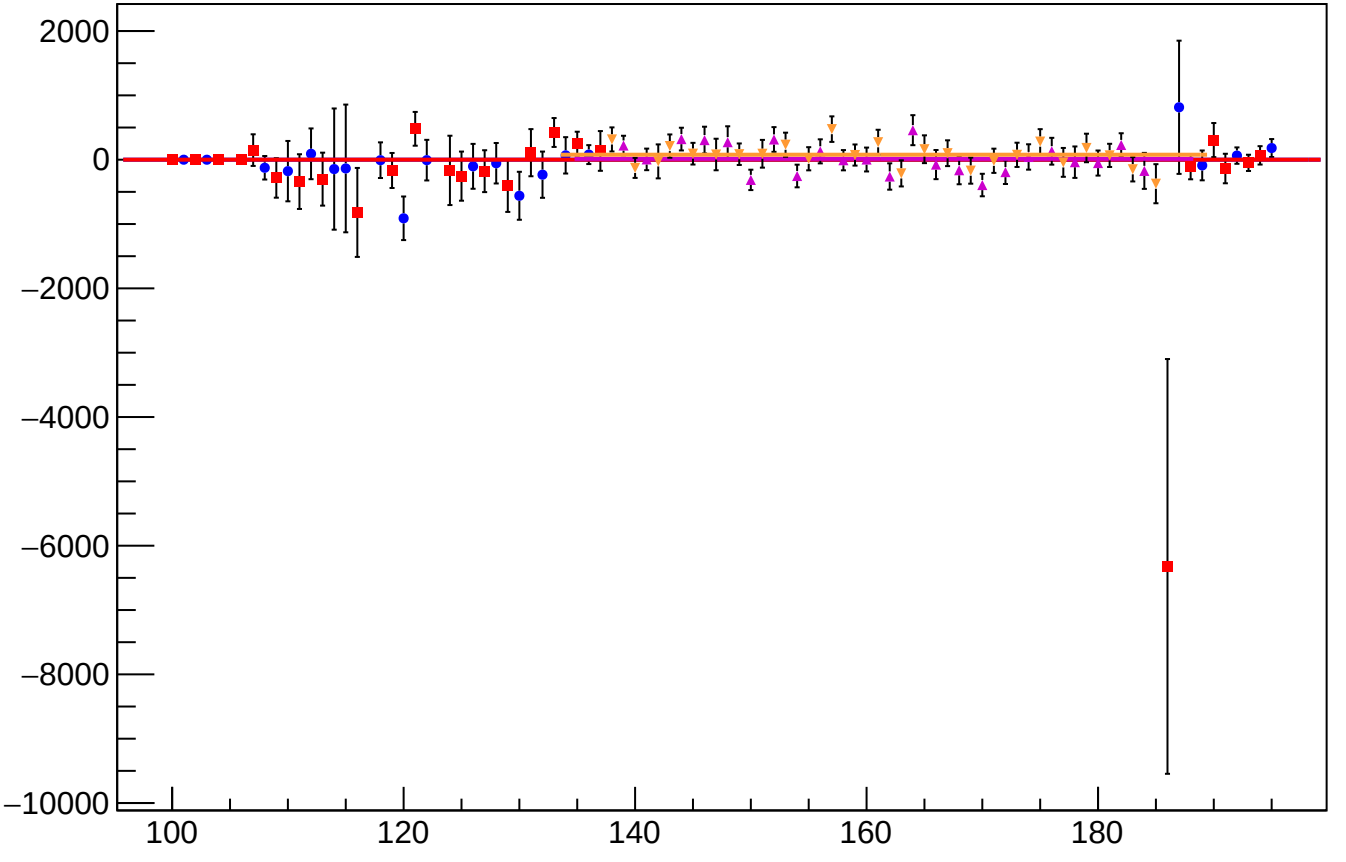
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.018+/-0.122 χ^2/NDF: 54875337.7/44

All: 151.903+/-0.083 χ^2/NDF: 109941233.1/9

- sign 151.803+/-0.113 χ^2/NDF: 55065893.7/46

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: 21.5/24

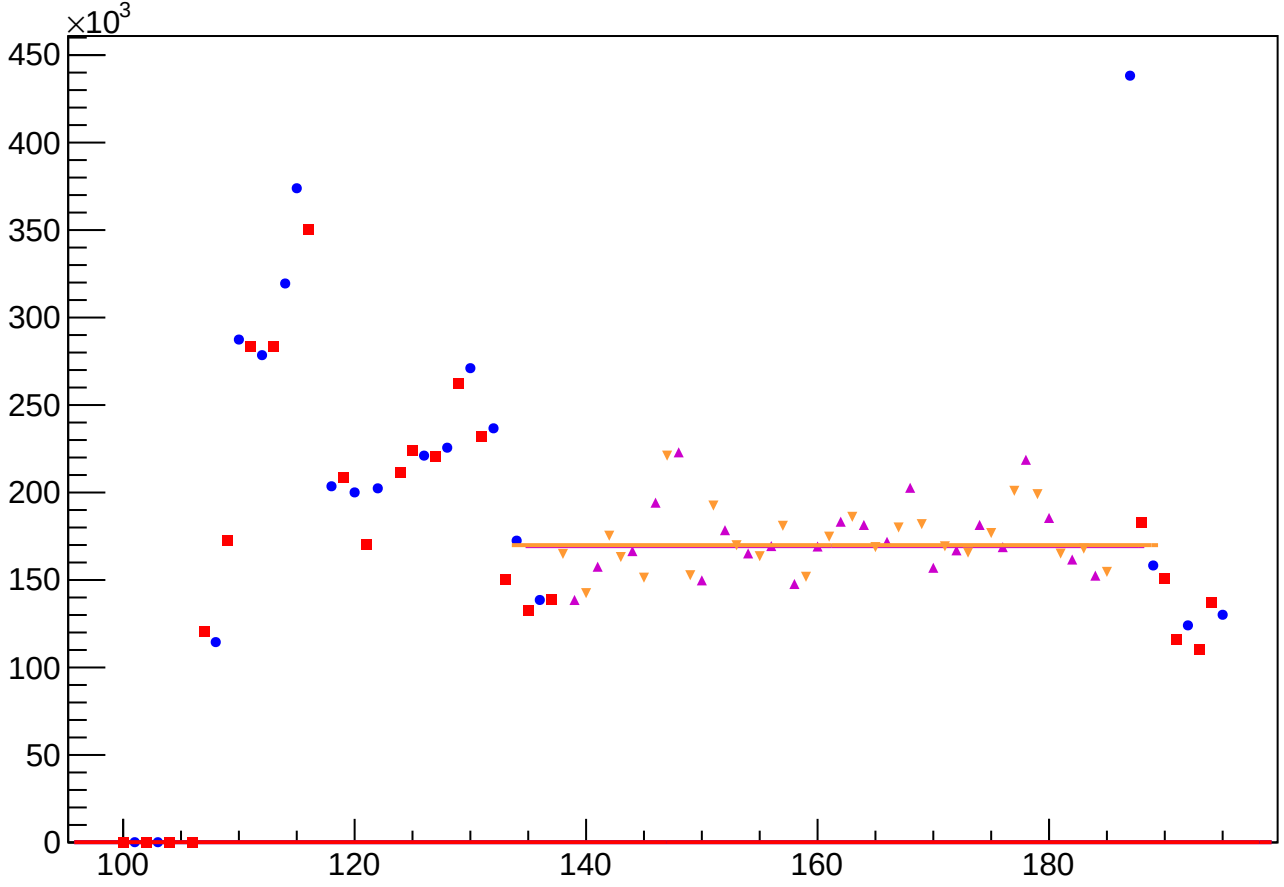
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 37.0/44

All: 0.036+/-0.121 χ^2/NDF: 91.8/92

- sign 0.126+/-0.166 χ^2/NDF: 54.2/47

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: 156.788+/-0.118 χ^2/NDF: 17587161.8/23

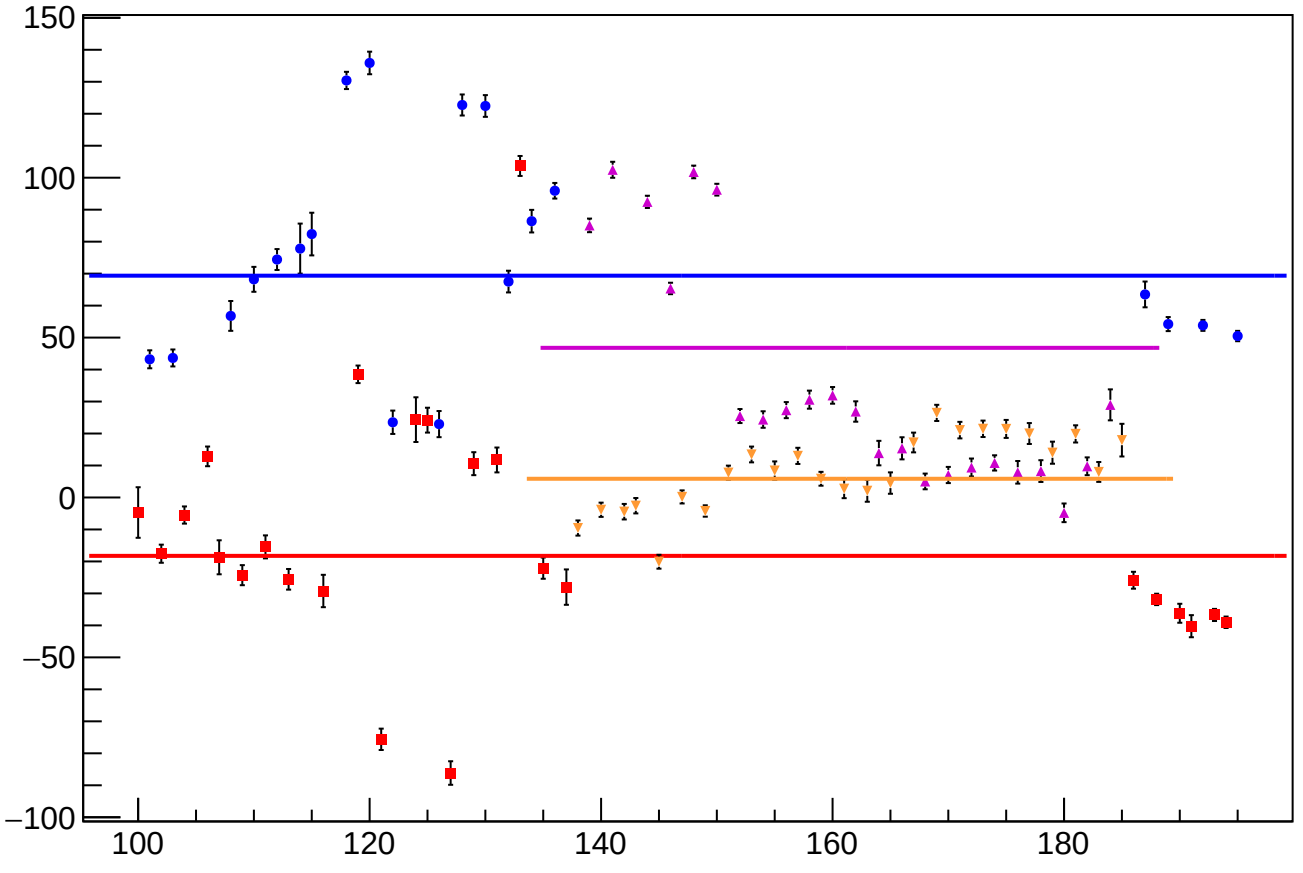
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.535+/-0.125 χ^2/NDF: 55232458.0/44

All: 158.701+/-0.086 χ^2/NDF: 109204529.3/9

- sign 159.729+/-0.118 χ^2/NDF: 53971908.4/46

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: -18.256+/-0.605 χ^2/NDF: 3388.3/24

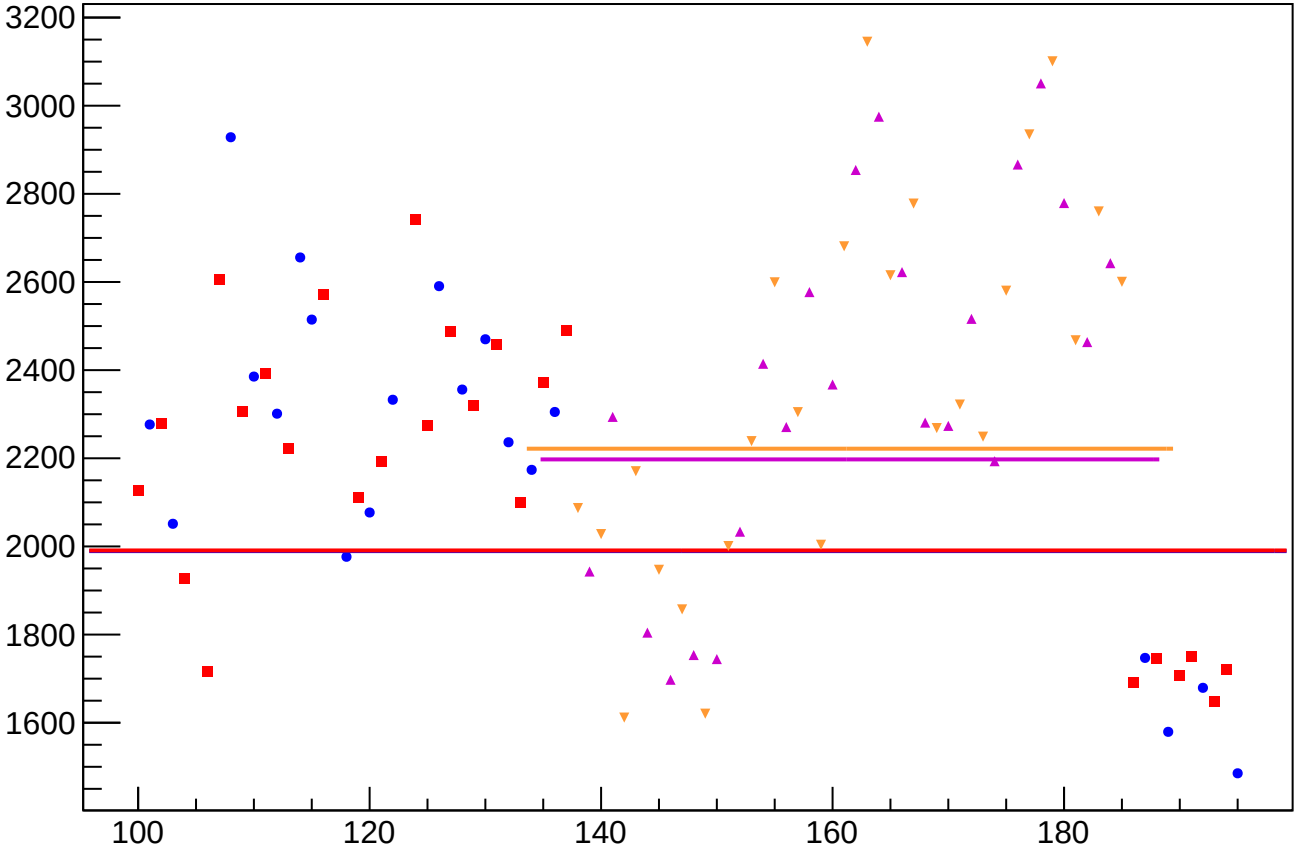
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 30.308+/-0.403 χ^2/NDF: 8681.6/44

All: 24.489+/-0.283 χ^2/NDF: 24260.4/92

- sign 18.865+/-0.396 χ^2/NDF: 15168.9/47

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: 1990.861+/-0.428 χ^2/NDF: 523043.9/24

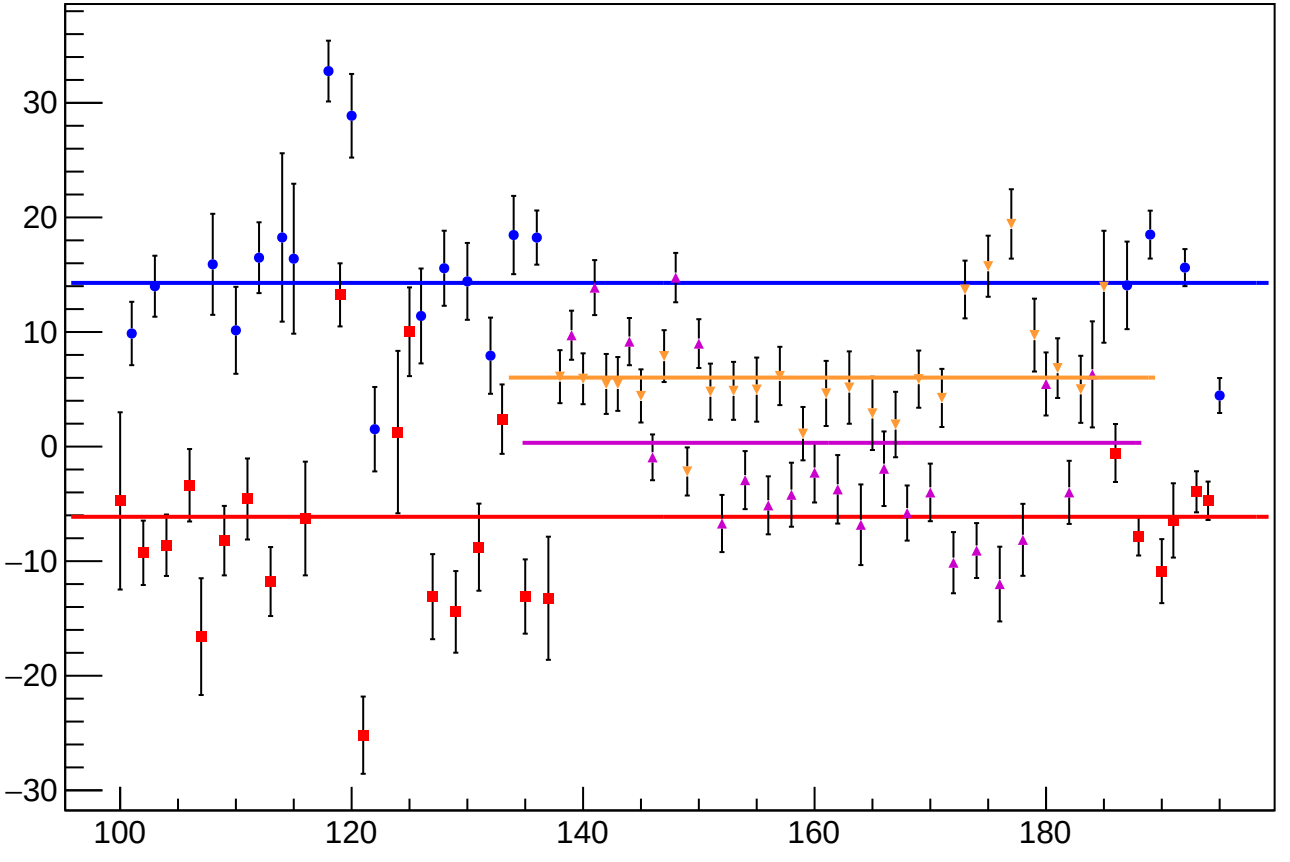
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2132.289+/-0.285 χ^2/NDF: 2023071.9/44

All: 2120.324+/-0.200 χ^2/NDF: 3787503.0/92

- sign 2108.761+/-0.280 χ^2/NDF: 1760965.1/47

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: -6.128+/-0.584 χ^2/NDF: 145.9/24

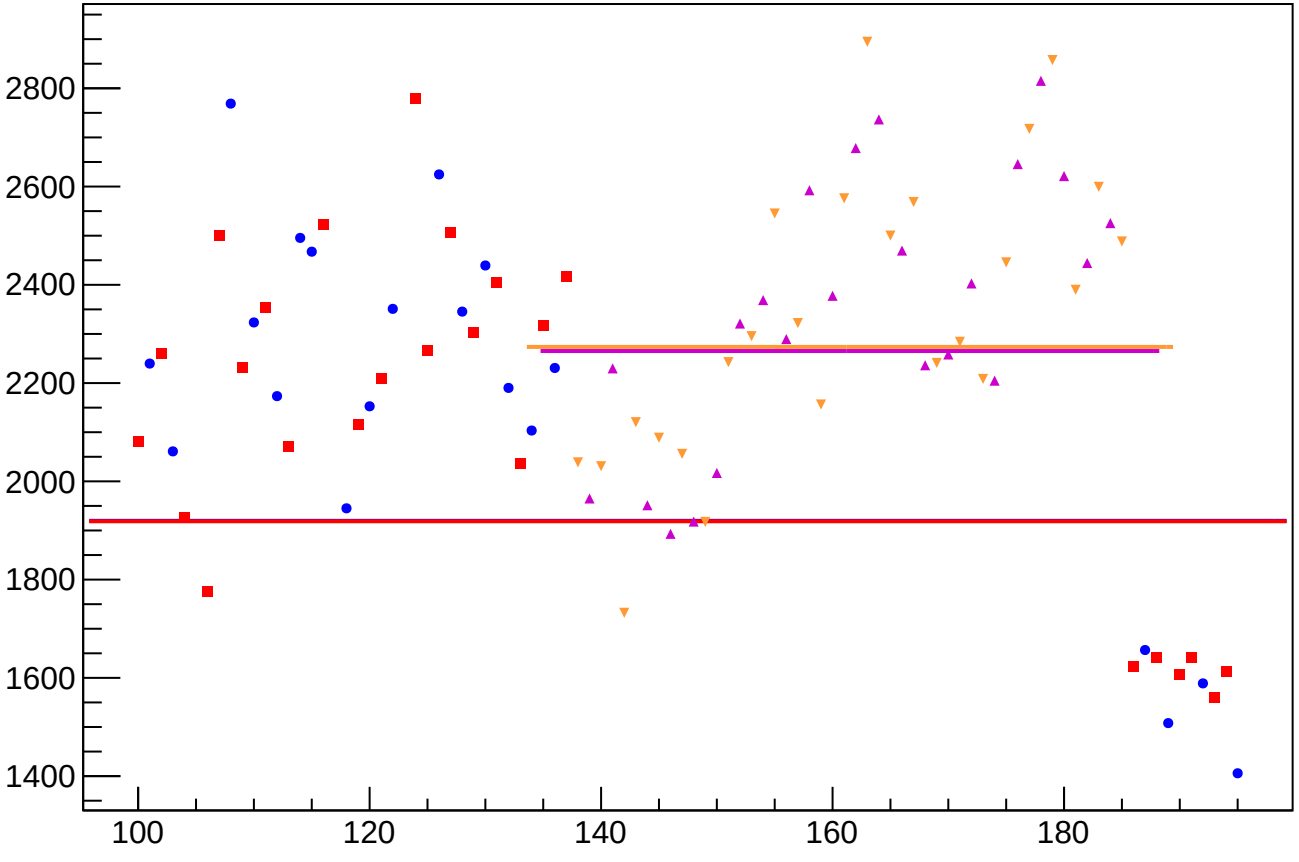
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.389+/-0.401 χ^2/NDF: 310.5/44

All: 3.288+/-0.281 χ^2/NDF: 1203.4/92

- sign -2.614+/-0.394 χ^2/NDF: 437.3/47

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: 1918.761+/-0.413 χ^2/NDF: 642796.3/24

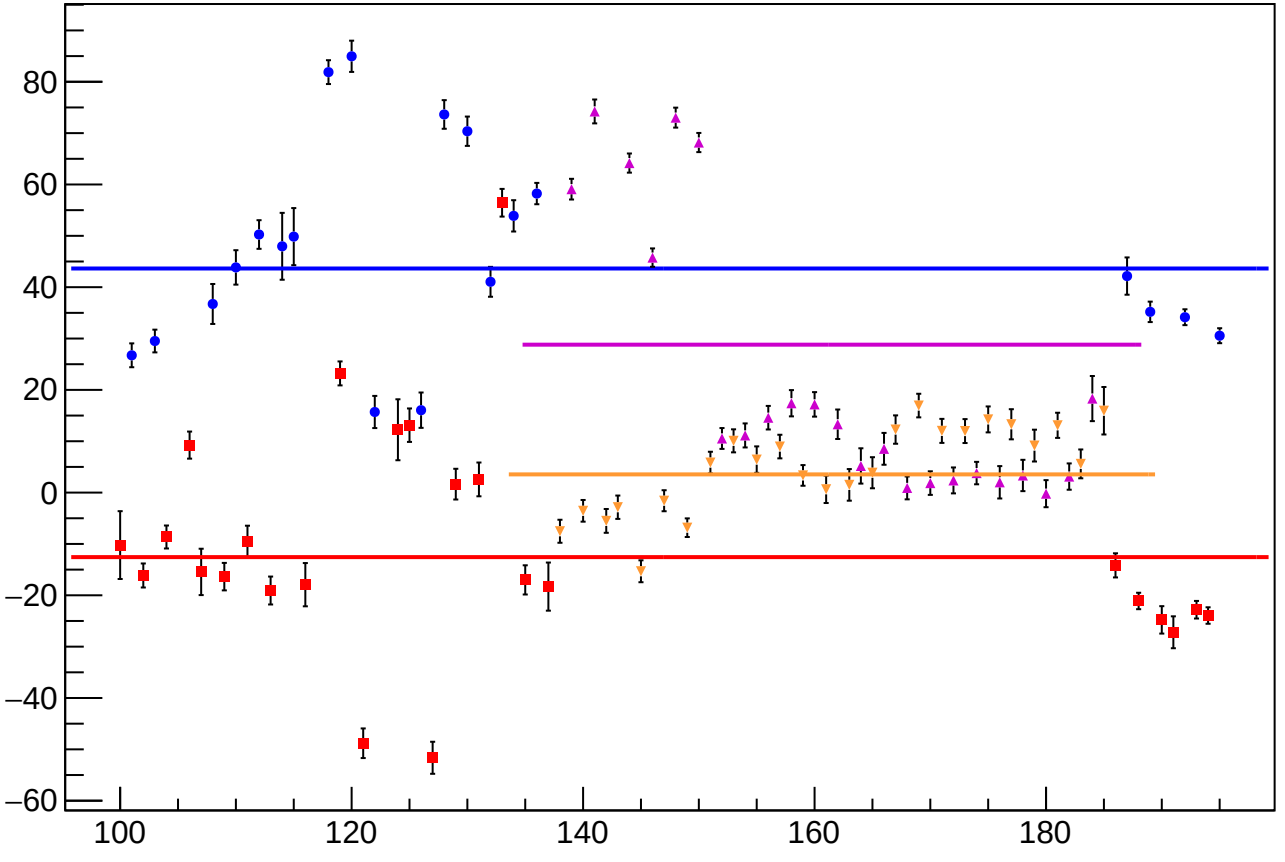
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2129.381+/-0.284 χ^2/NDF: 1709091.8/44

All: 2118.171+/-0.199 χ^2/NDF: 3233763.4/92

- sign 2107.325+/-0.279 χ^2/NDF: 1521595.3/47

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: -12.565+/-0.526 χ^2/NDF: 1575.0/24

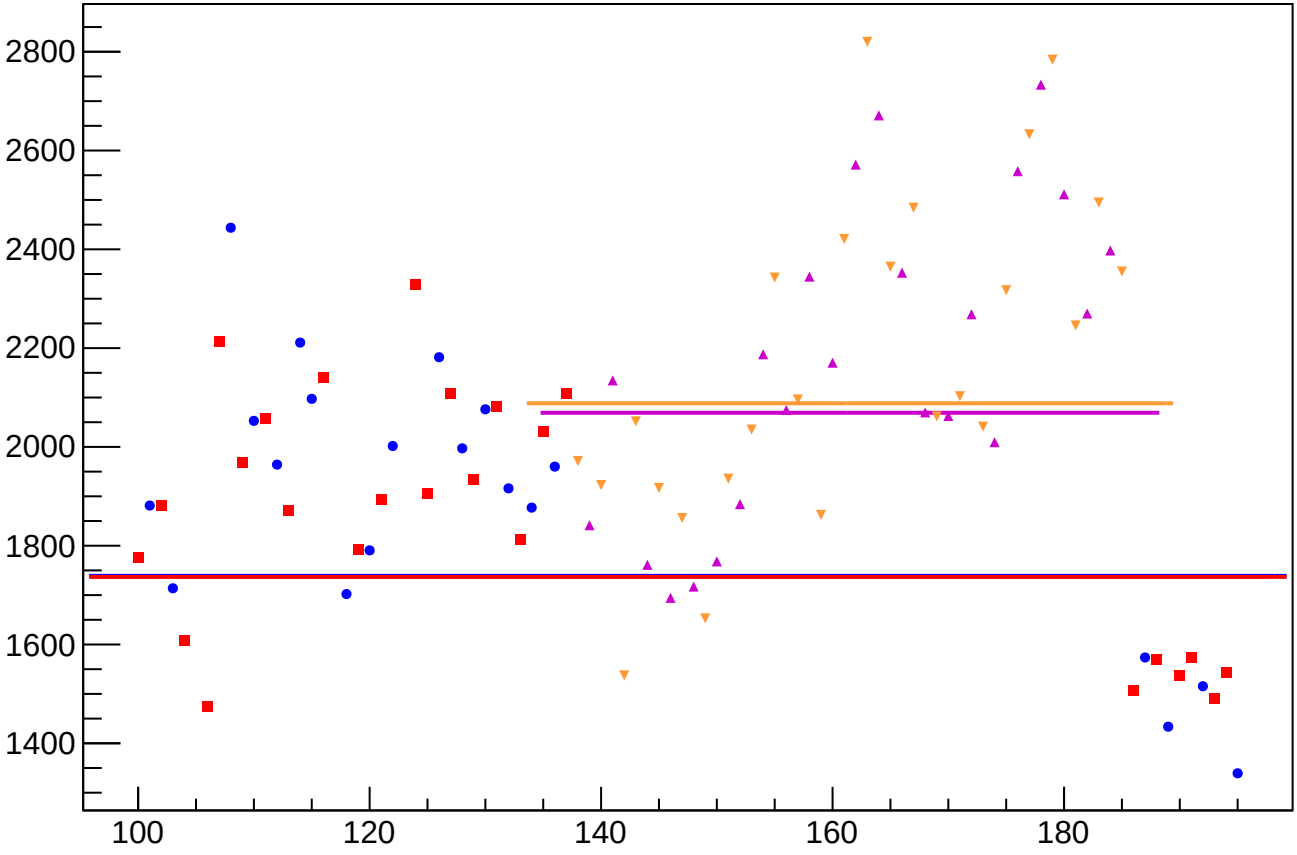
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 20.377+/-0.366 χ^2/NDF: 4351.1/44

All: 14.848+/-0.256 χ^2/NDF: 12946.0/92

- sign 9.531+/-0.359 χ^2/NDF: 8146.7/47

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: 1736.827+/-0.372 χ^2/NDF: 371794.7/24

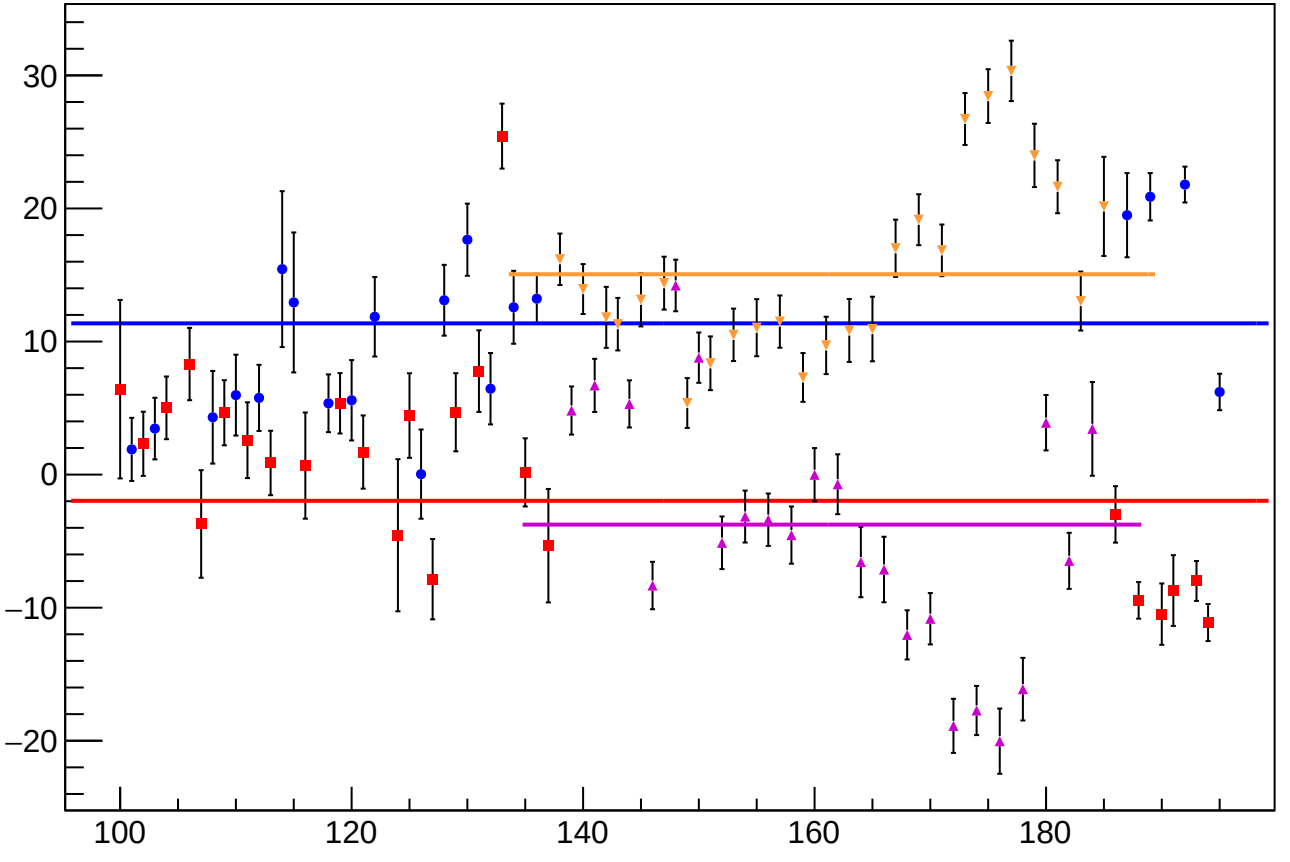
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1941.668+/-0.259 χ^2/NDF: 1725797.7/44

All: 1927.720+/-0.181 χ^2/NDF: 3241800.4/92

- sign 1914.307+/-0.254 χ^2/NDF: 1510299.0/47

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: -1.968+/-0.482 χ^2/NDF: 311.9/24

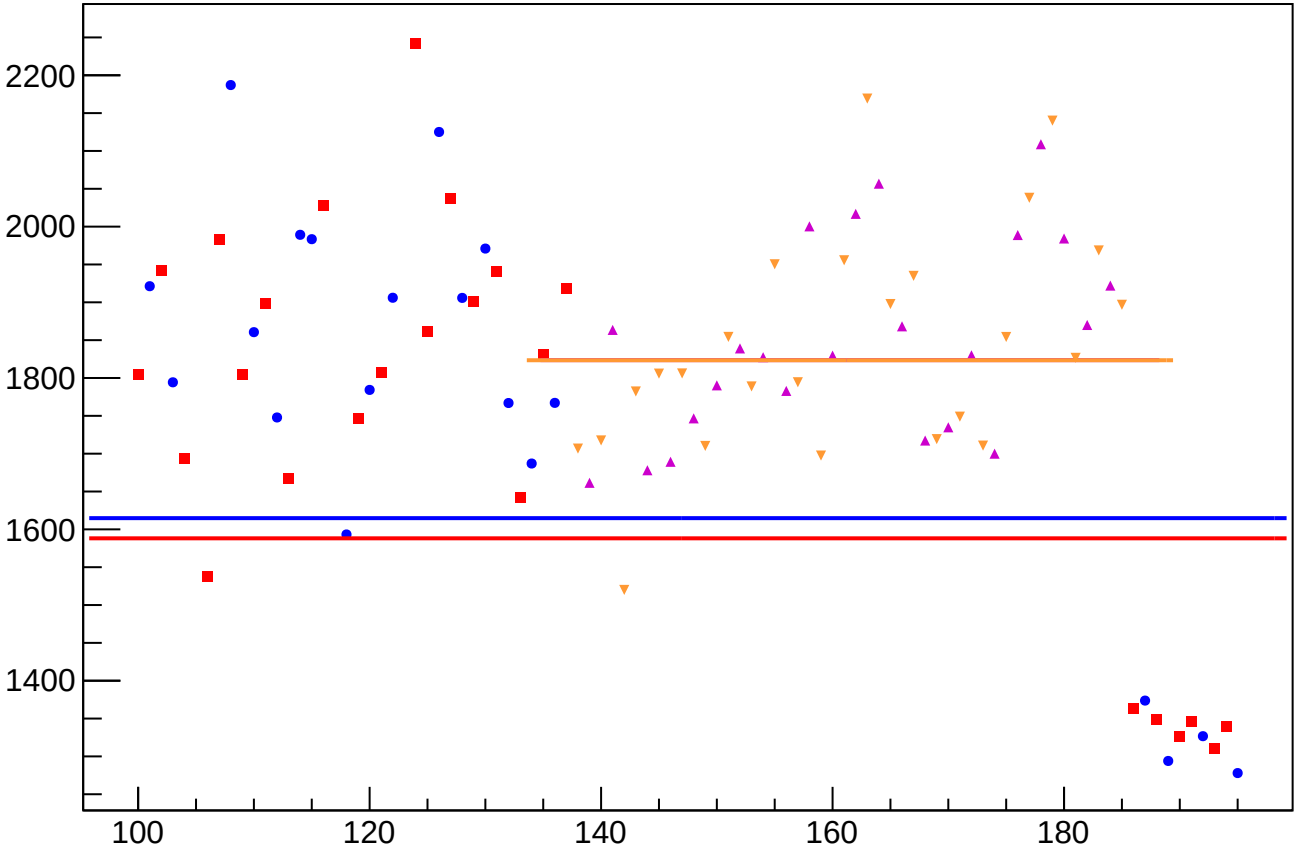
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.632+/-0.326 χ^2/NDF: 459.5/44

All: 5.185+/-0.228 χ^2/NDF: 2559.9/92

- sign -2.970+/-0.320 χ^2/NDF: 778.6/47

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: 1588.147+/-0.341 χ^2/NDF: 580367.5/24

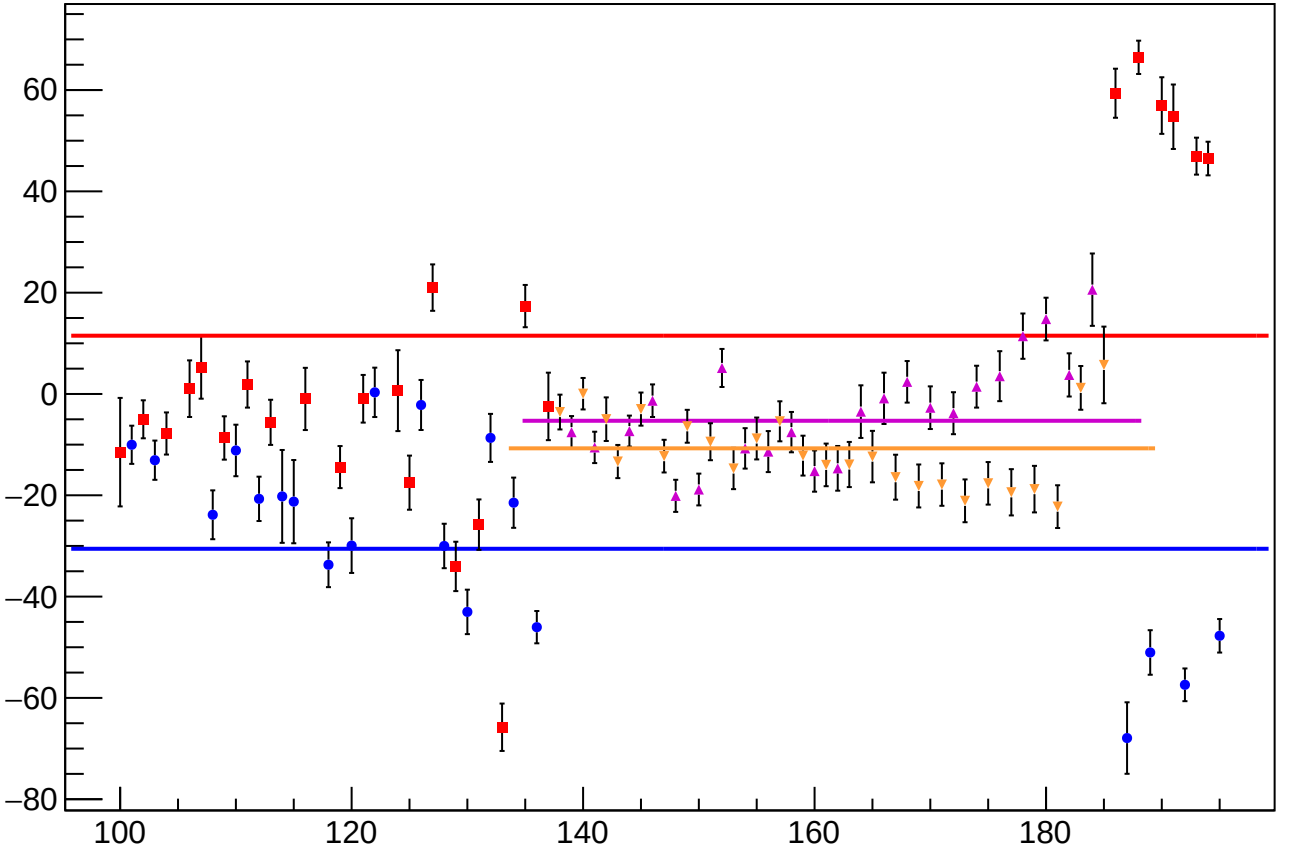
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1742.905+/-0.230 χ^2/NDF: 982291.1/44

All: 1731.208+/-0.161 χ^2/NDF: 1998360.6/92

- sign 1719.915+/-0.226 χ^2/NDF: 1010999.6/47

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: 11.505+/-0.936 χ^2/NDF: 1295.0/24

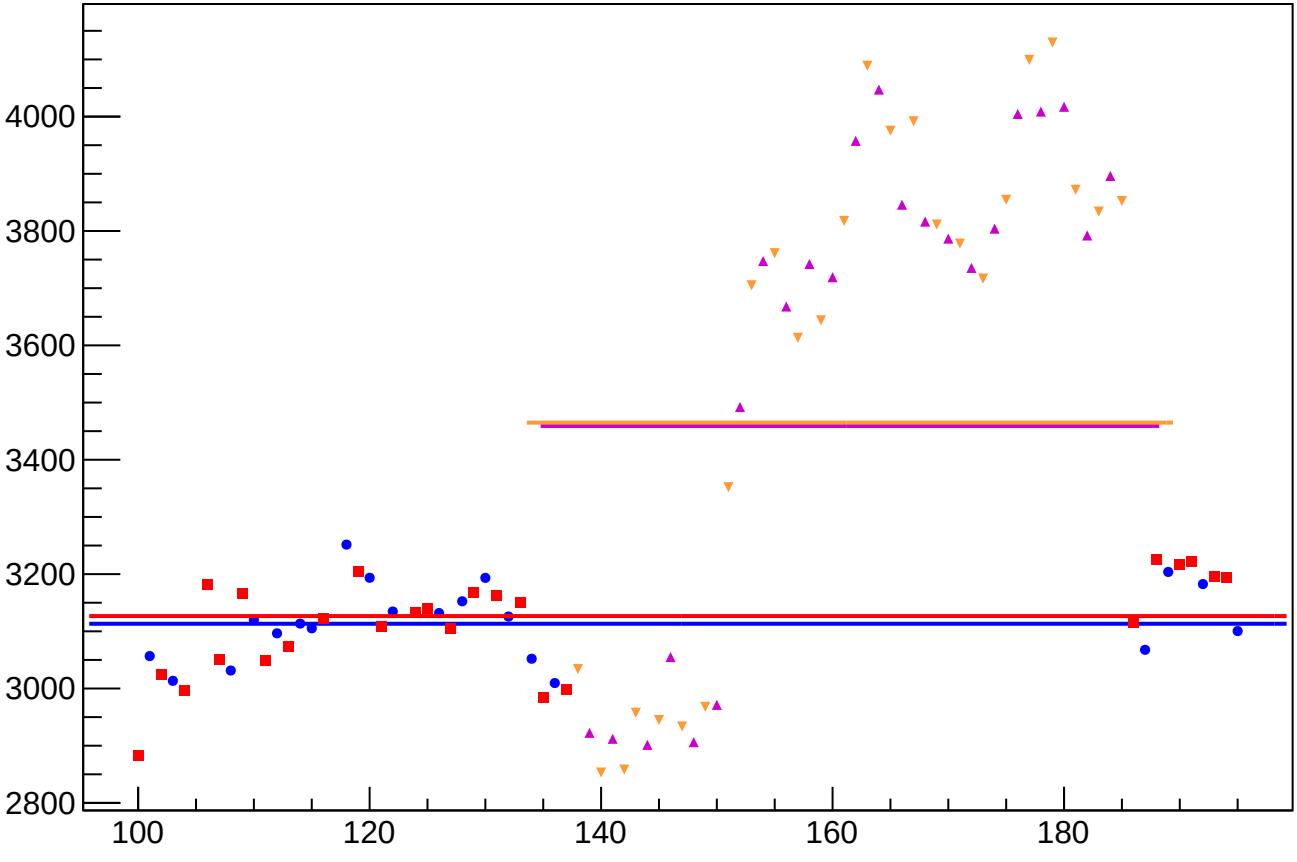
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -18.456+/-0.620 χ^2/NDF: 666.8/44

All: -8.154+/-0.436 χ^2/NDF: 2825.1/92

- sign 1.949+/-0.614 χ^2/NDF: 1611.9/47

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: 3126.684+/-0.662 χ^2/NDF: 14494.0/24

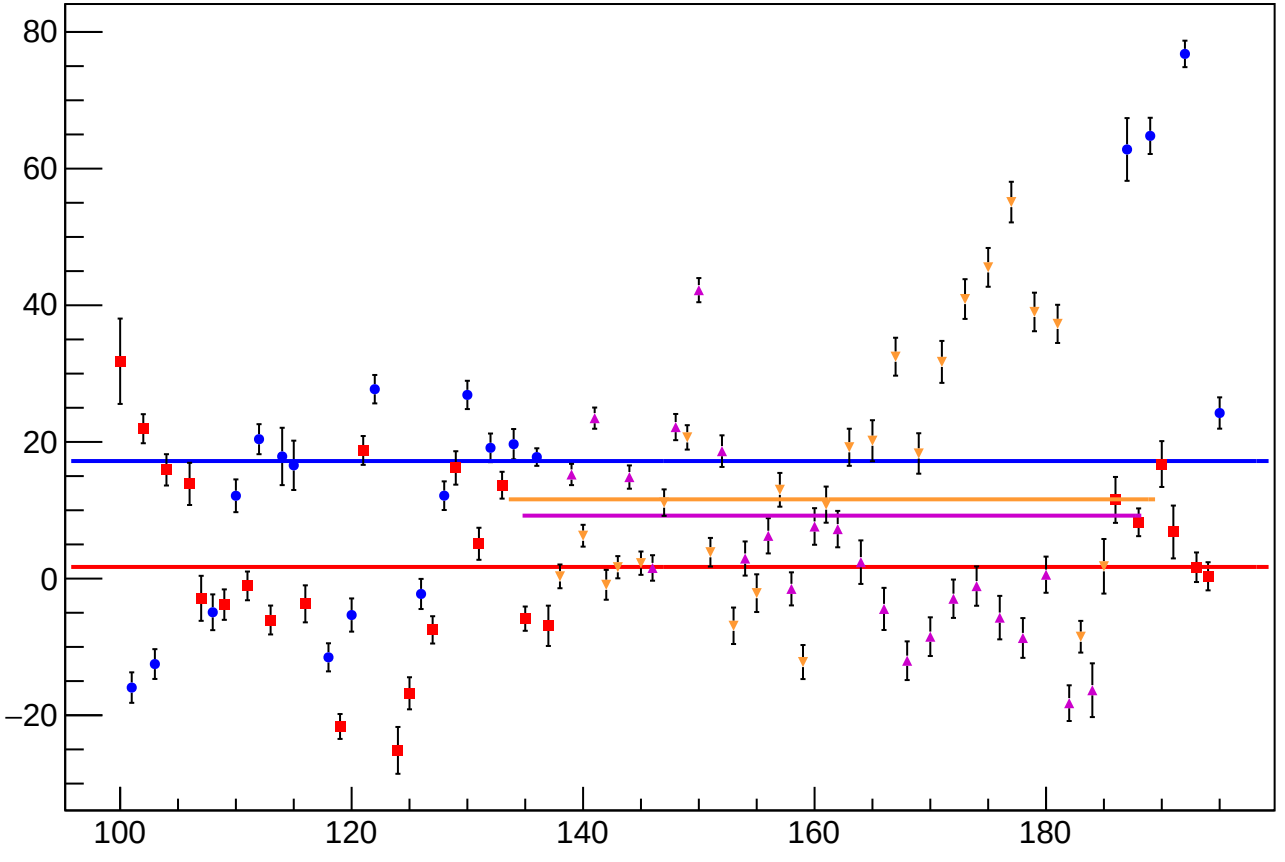
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3327.918+/-0.439 χ^2/NDF: 806935.5/44

All: 3321.793+/-0.309 χ^2/NDF: 1548742.3/92

- sign 3315.786+/-0.434 χ^2/NDF: 741420.5/47

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: 1.704+/-0.475 χ^2/NDF: 711.2/24

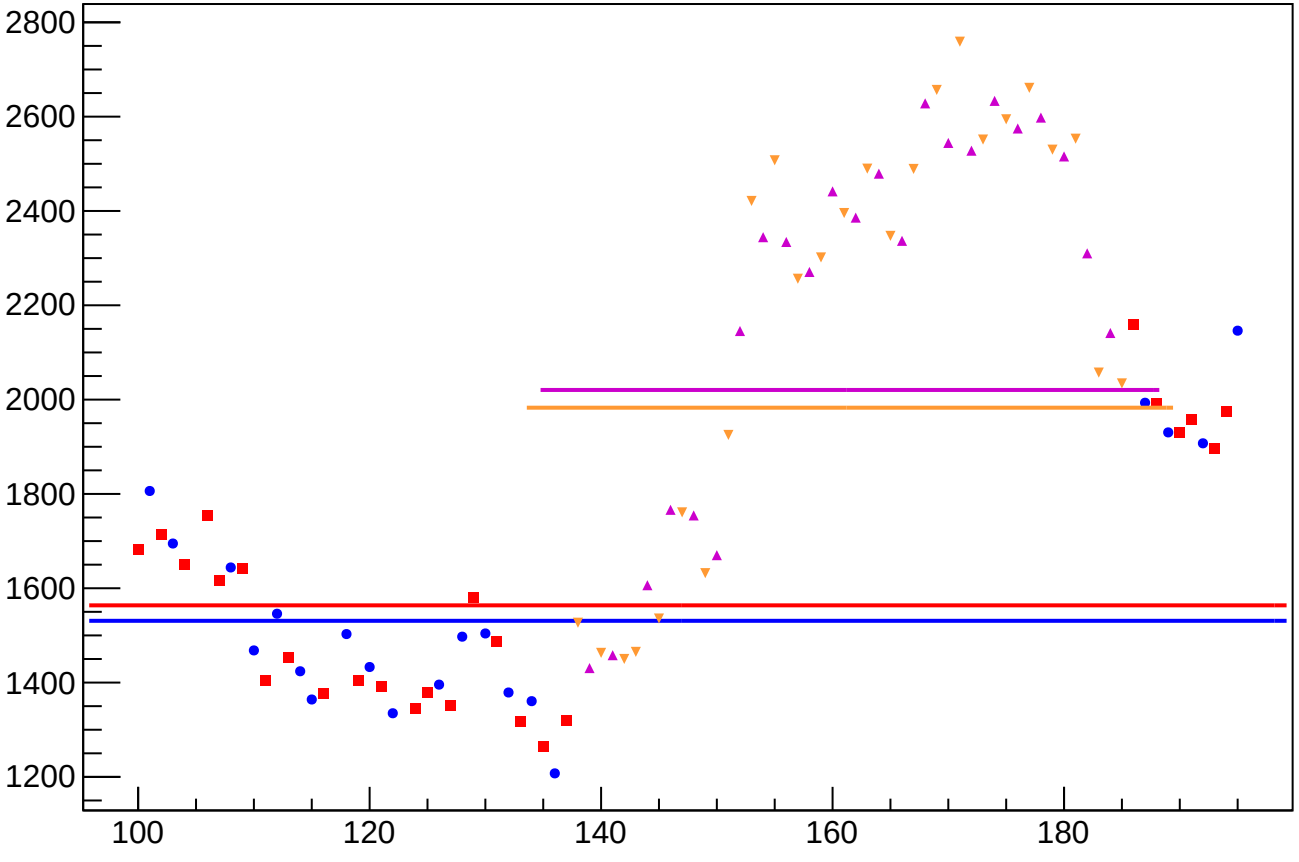
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 14.210+/-0.339 χ^2/NDF: 3540.8/44

All: 9.798+/-0.240 χ^2/NDF: 5654.6/92

- sign 5.386+/-0.339 χ^2/NDF: 1774.6/47

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: 1563.765+/-0.336 χ^2/NDF: 549578.3/24

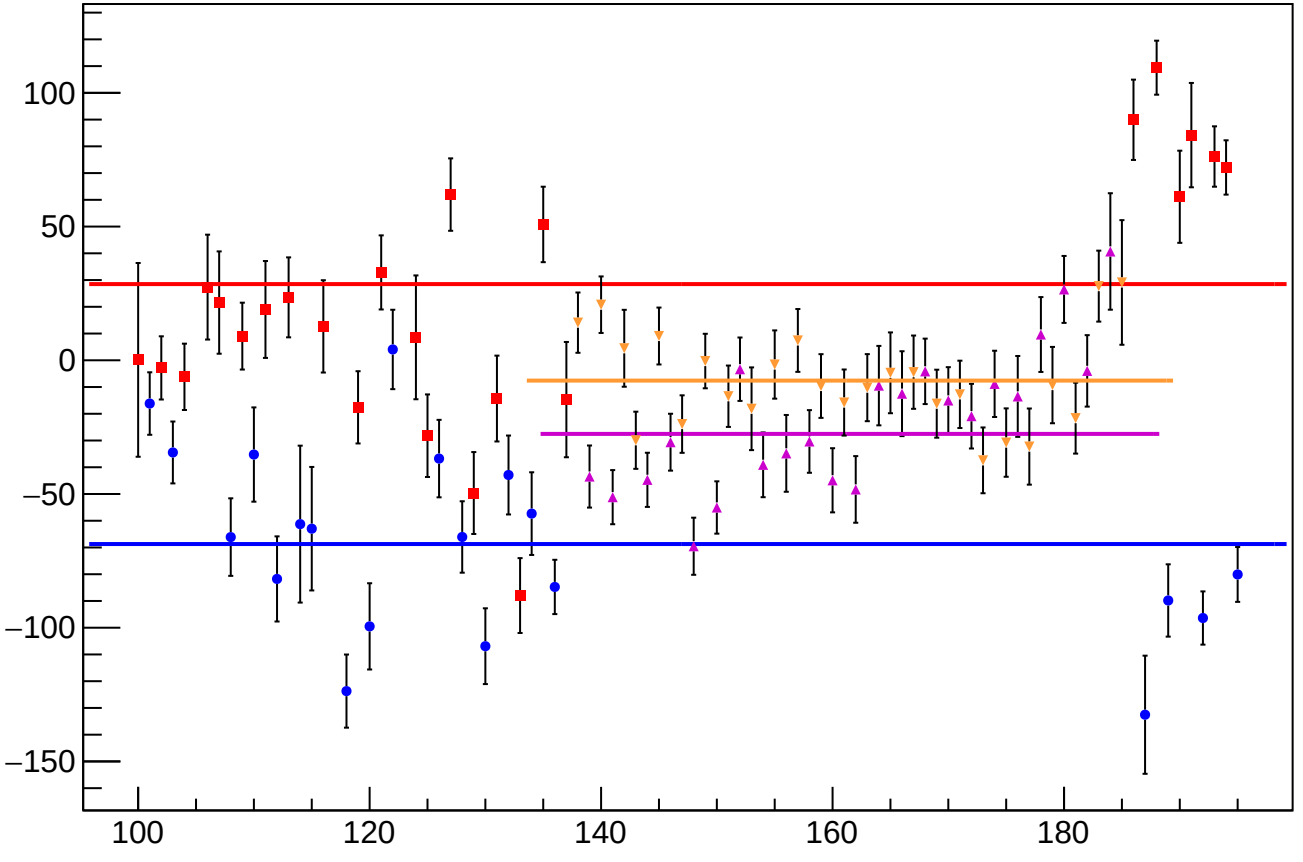
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1772.397+/-0.240 χ^2/NDF: 3380278.5/44

All: 1780.043+/-0.169 χ^2/NDF: 6454938.0/92

- sign 1787.691+/-0.240 χ^2/NDF: 3072621.2/47

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: 28.493+/-2.918 χ^2/NDF: 289.2/24

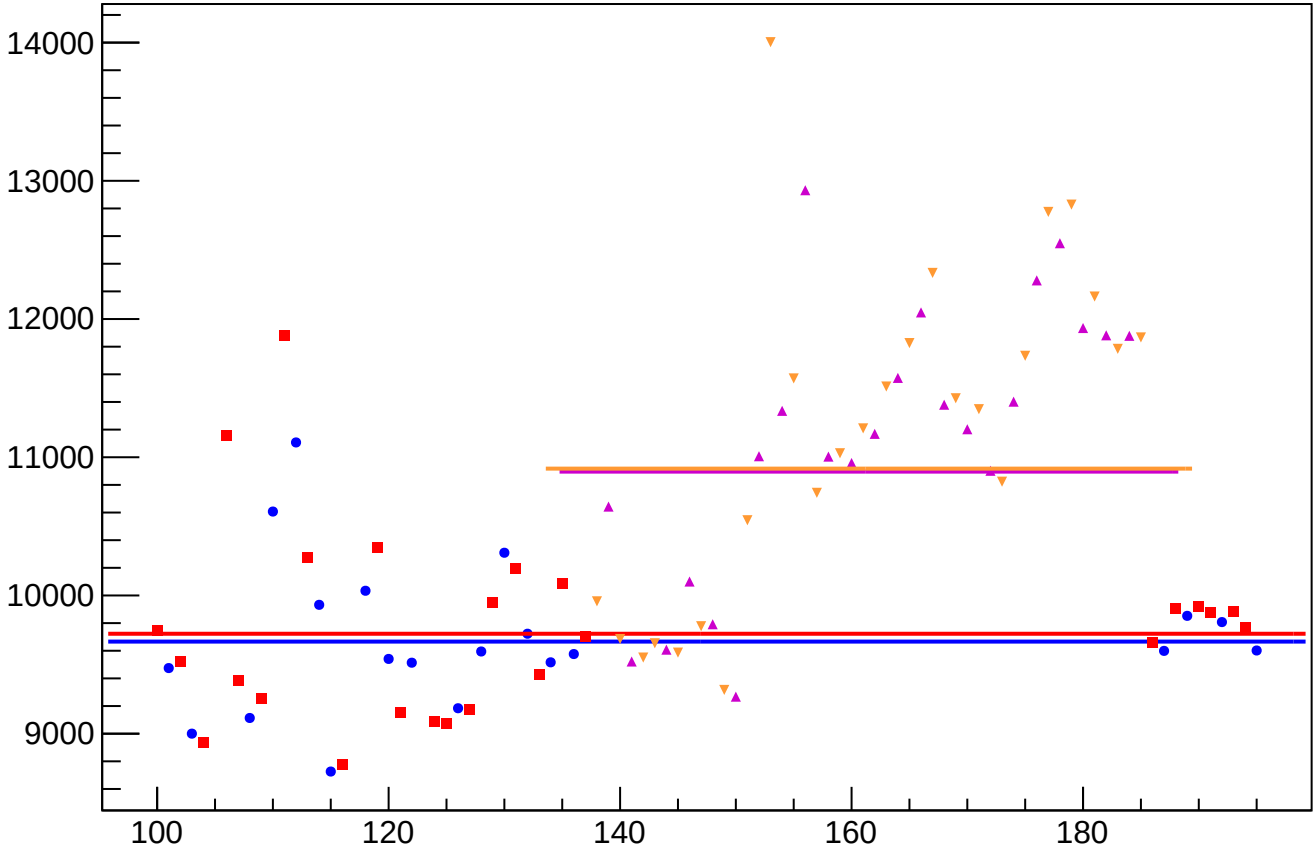
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -31.676+/-1.942 χ^2/NDF: 399.6/44

All: -17.295+/-1.366 χ^2/NDF: 1098.9/92

- sign -3.201+/-1.923 χ^2/NDF: 590.7/47

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: 9722.997+/-2.063 χ^2/NDF: 81867.9/24

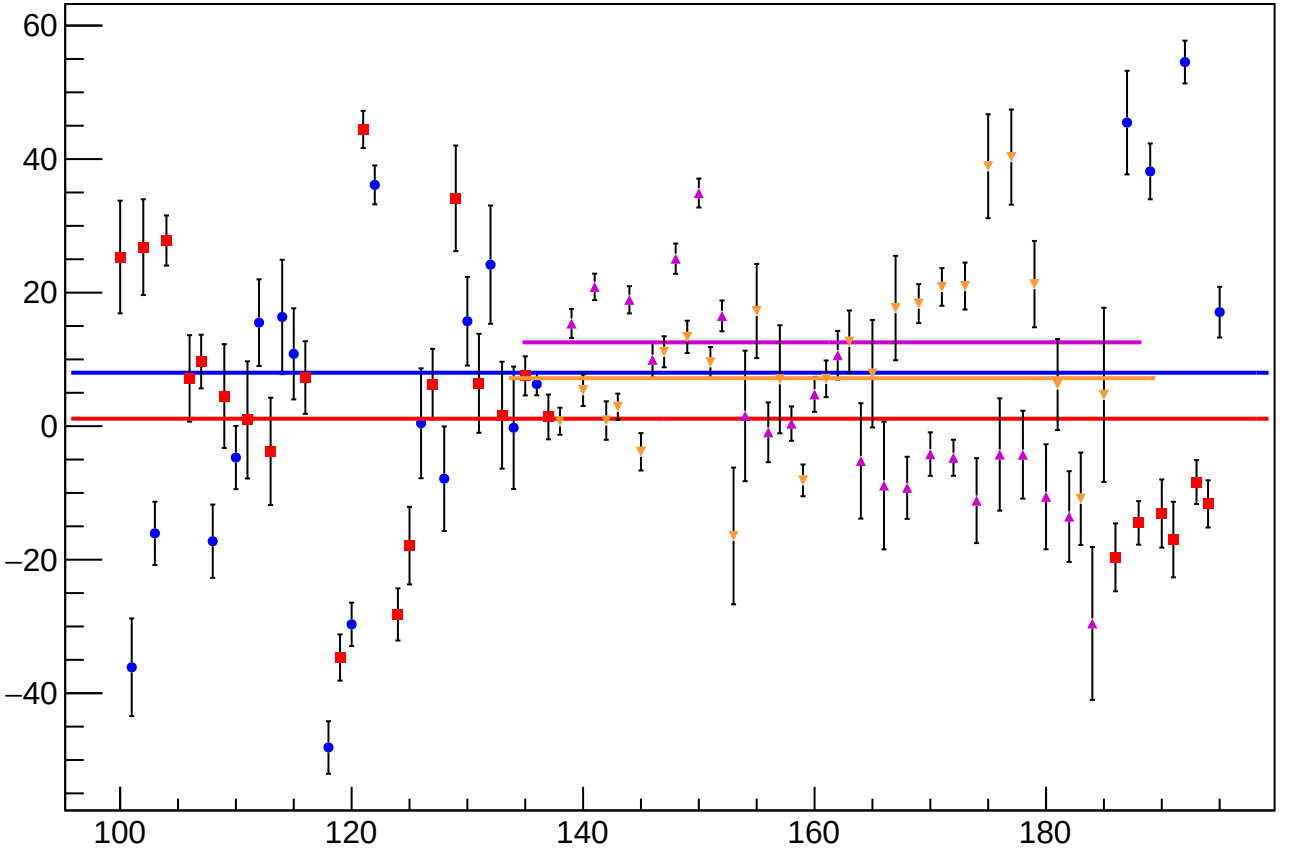
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10424.626+/-1.373 χ^2/NDF: 669139.2/44

All: 10405.429+/-0.966 χ^2/NDF: 1232298.4/9

- sign 10386.613+/-1.360 χ^2/NDF: 562772.3/47

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: 1.119+/-0.897 χ^2/NDF: 596.7/24

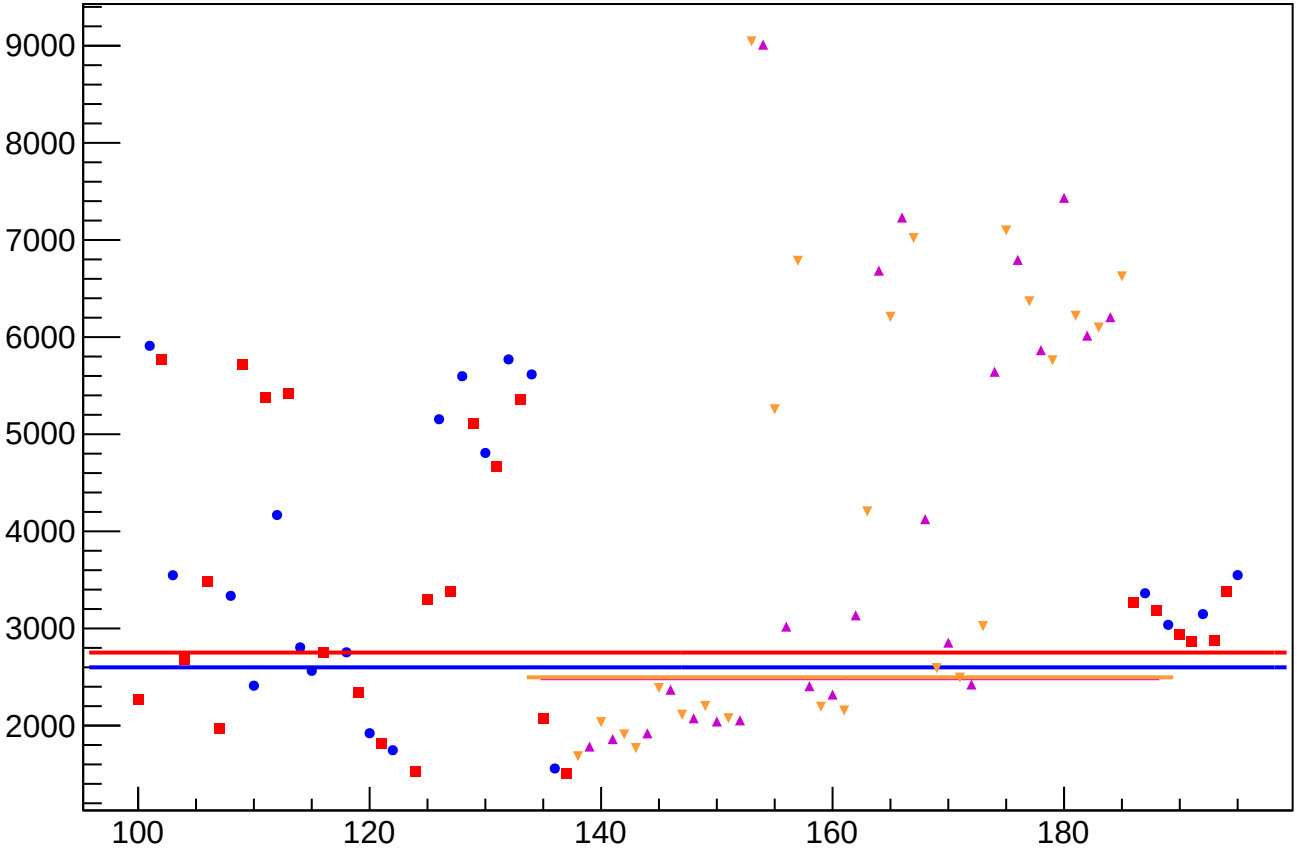
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.456+/-0.535 χ^2/NDF: 1029.8/44

All: 7.998+/-0.377 χ^2/NDF: 2106.0/92

- sign 8.534+/-0.532 χ^2/NDF: 1074.1/47

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: 2751.907+/-0.634 χ^2/NDF: 2682119.0/24

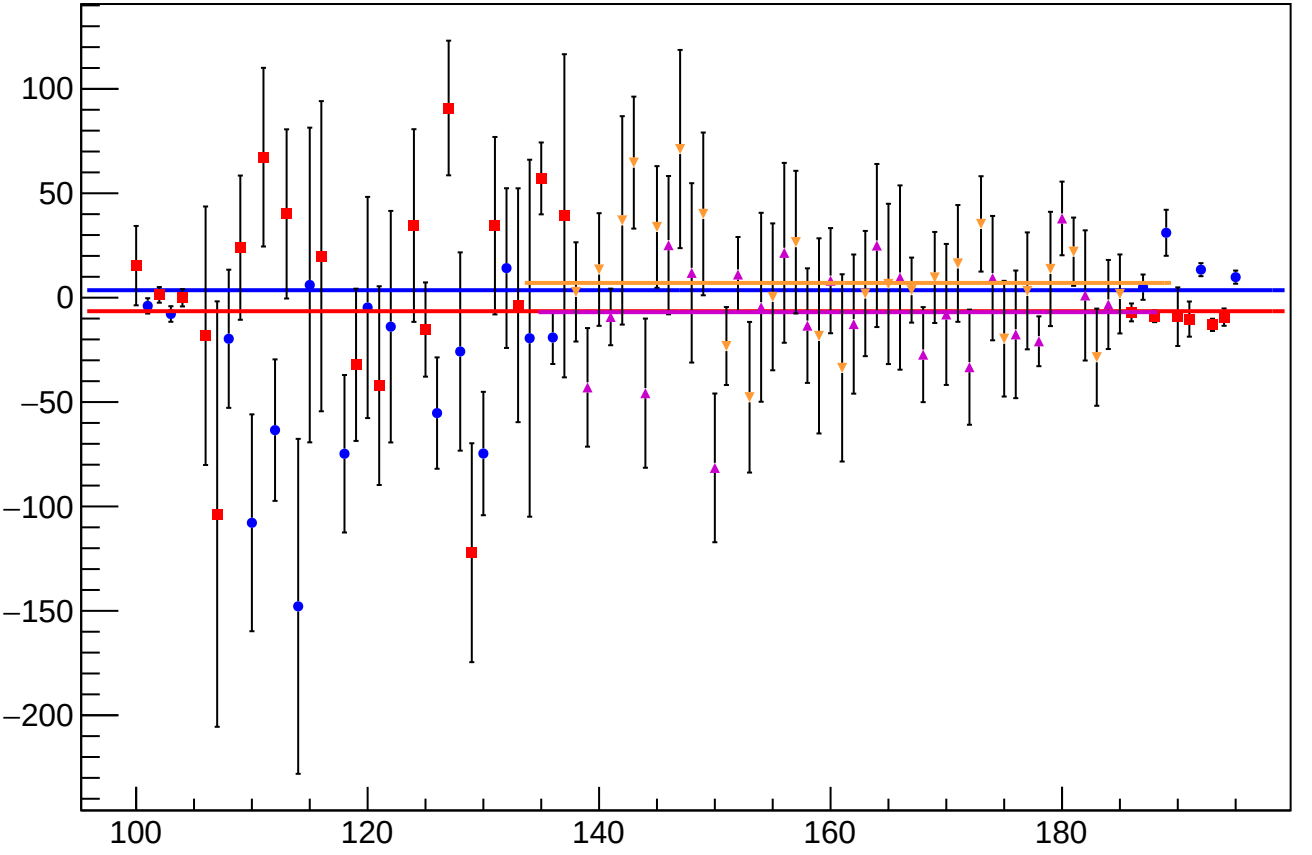
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2530.812+/-0.378 χ^2/NDF: 10316393.1/44

All: 2555.831+/-0.267 χ^2/NDF: 19223145.9/9

- sign 2580.583+/-0.376 χ^2/NDF: 8898044.6/47

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: -6.476+/-1.387 χ^2/NDF: 51.6/24

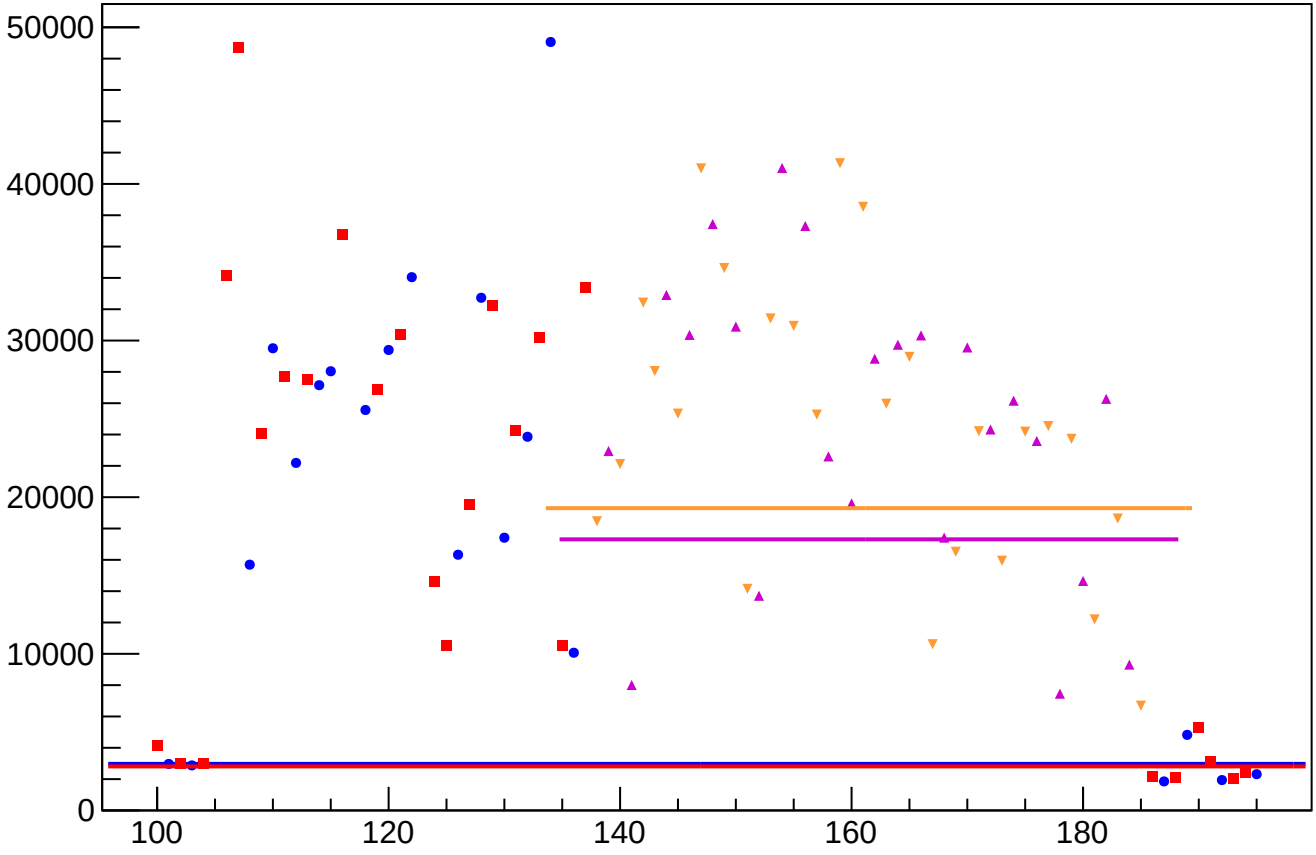
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 3.867+/-1.515 χ^2/NDF: 86.3/44

All: -1.961+/-1.003 χ^2/NDF: 185.3/92

- sign -6.509+/-1.338 χ^2/NDF: 72.7/47

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: 2810.960+/-0.981 χ^2/NDF: 8706111.3/24

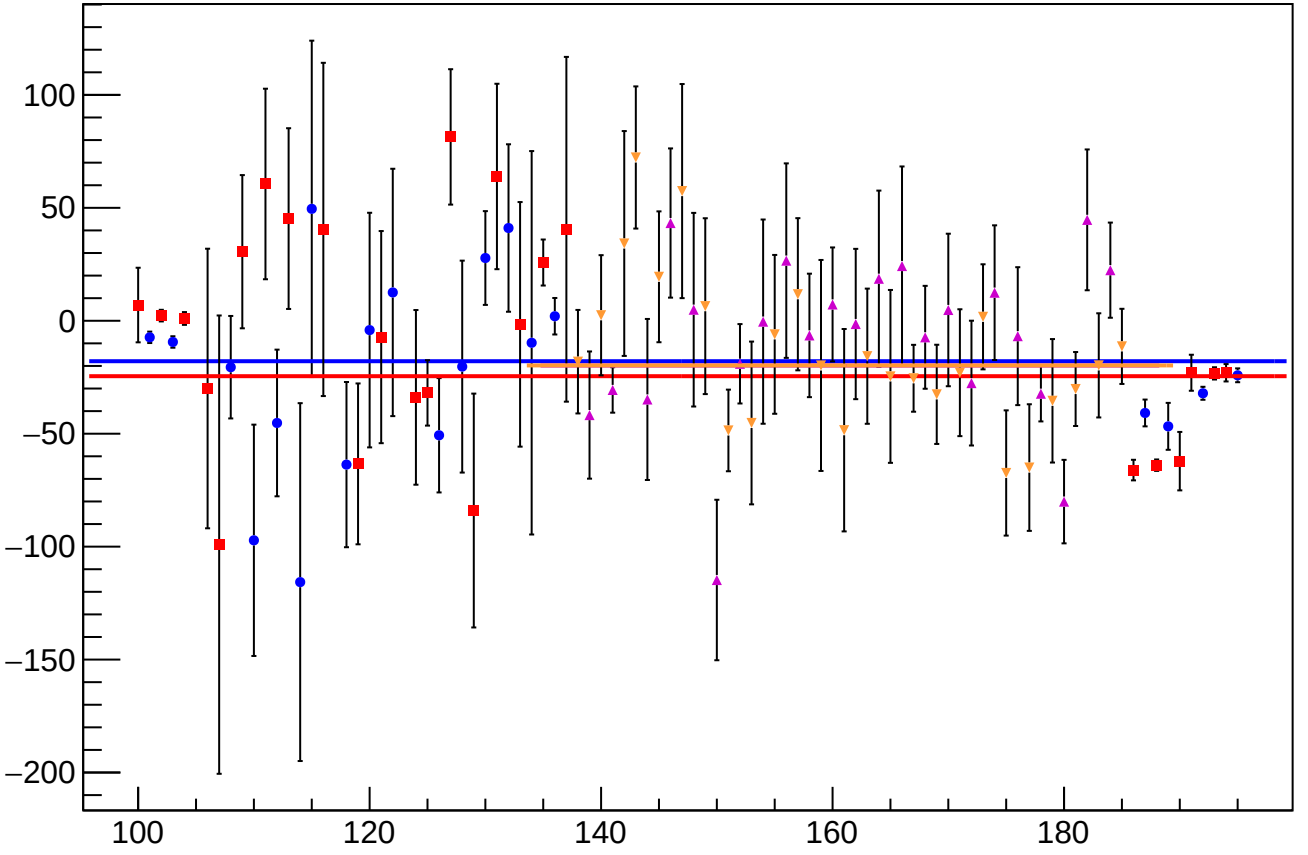
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4345.478+/-1.071 χ^2/NDF: 30612958.6/44

All: 4046.508+/-0.709 χ^2/NDF: 61279235.7/9

- sign 3813.255+/-0.946 χ^2/NDF: 30527682.2/47

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

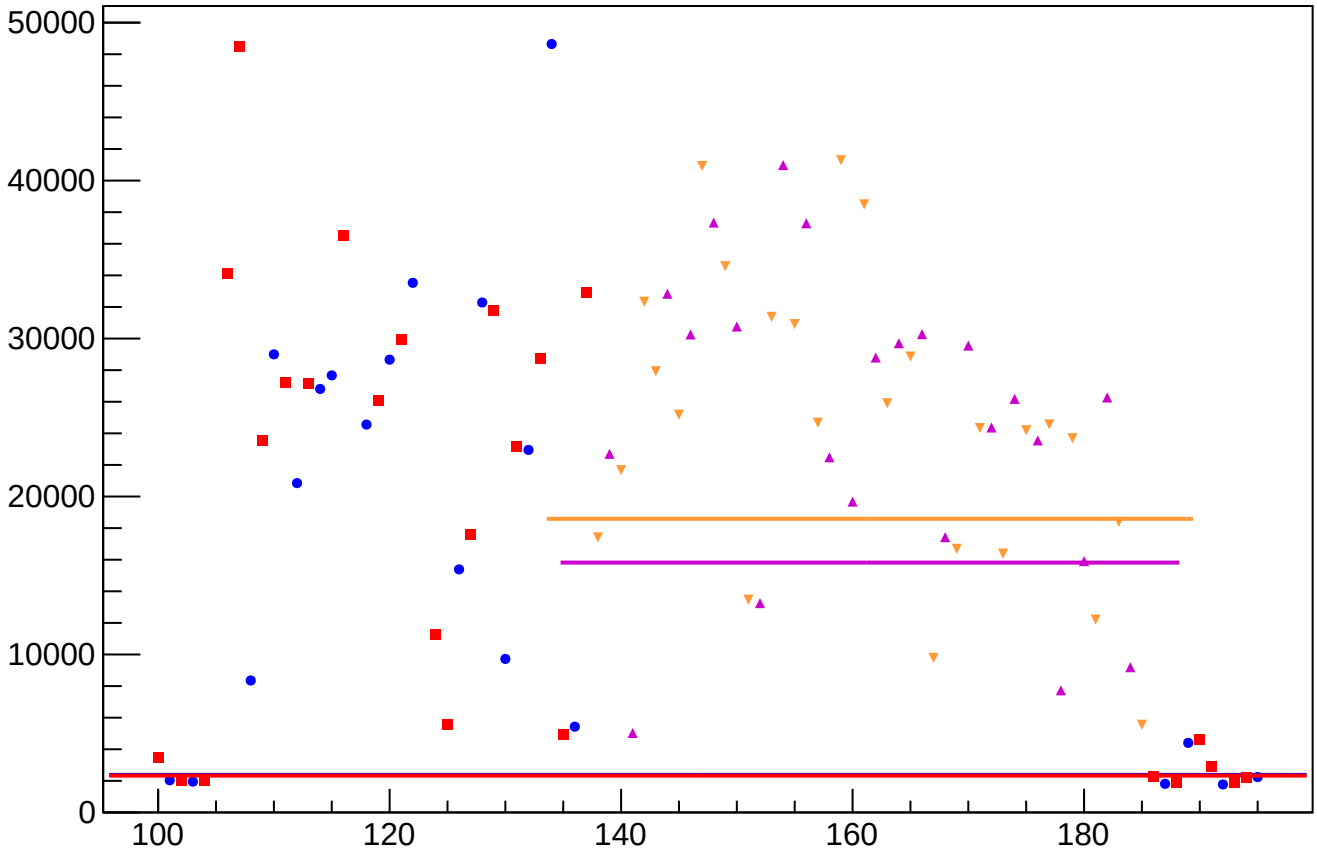
Right Out: -24.534+/-1.170 χ^2/NDF: 585.3/24

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -18.014+/-1.249 χ^2/NDF: 130.4/44

All: -21.437+/-0.841 χ^2/NDF: 770.6/92

- sign -24.274+/-1.137 χ^2/NDF: 626.5/47



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: 2332.597+/-0.827 χ^2/NDF: 8278932.2/24

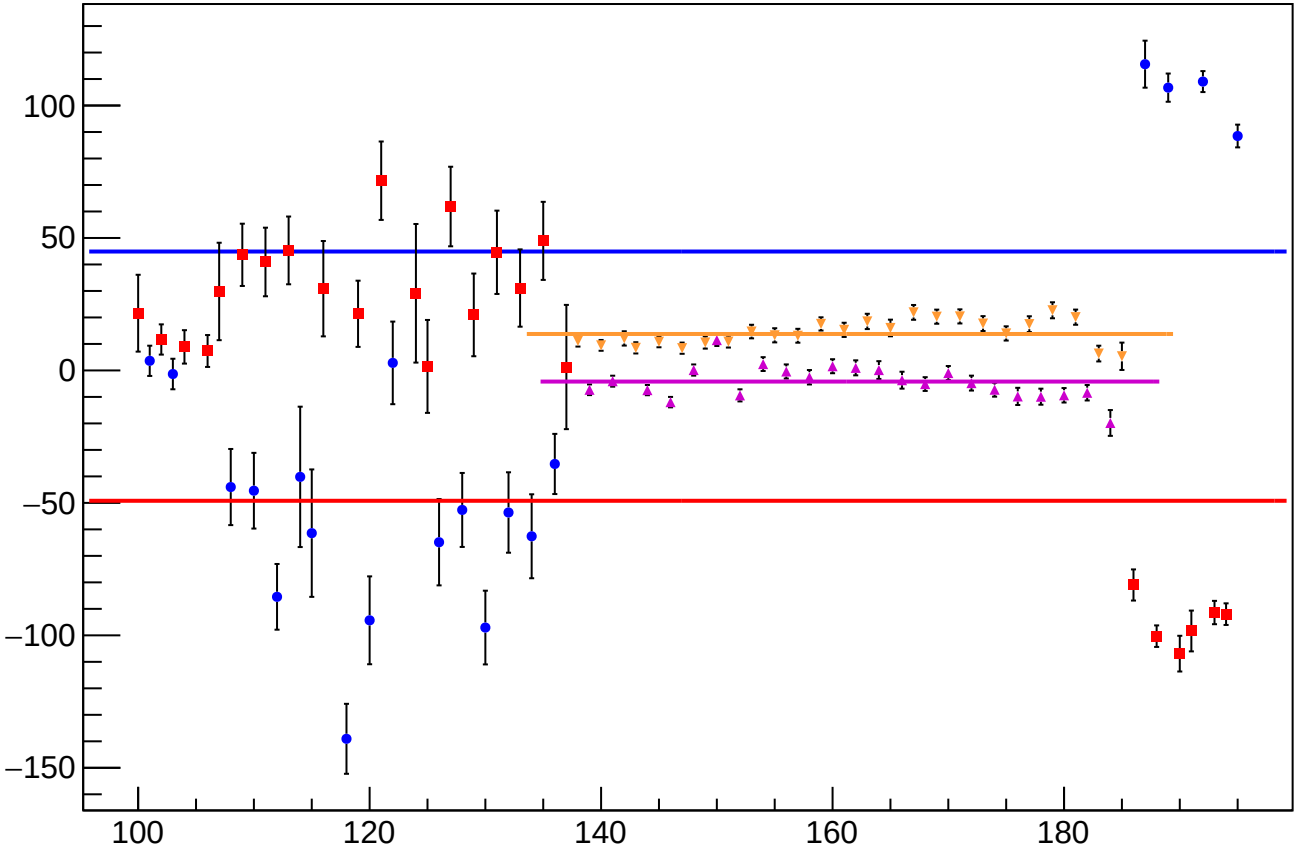
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3341.949+/-0.883 χ^2/NDF: 31592222.4/44

All: 3196.064+/-0.595 χ^2/NDF: 62964726.7/9

- sign 3075.133+/-0.804 χ^2/NDF: 31322590.1/47

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: -49.203+/-1.595 χ^2/NDF: 1323.0/24

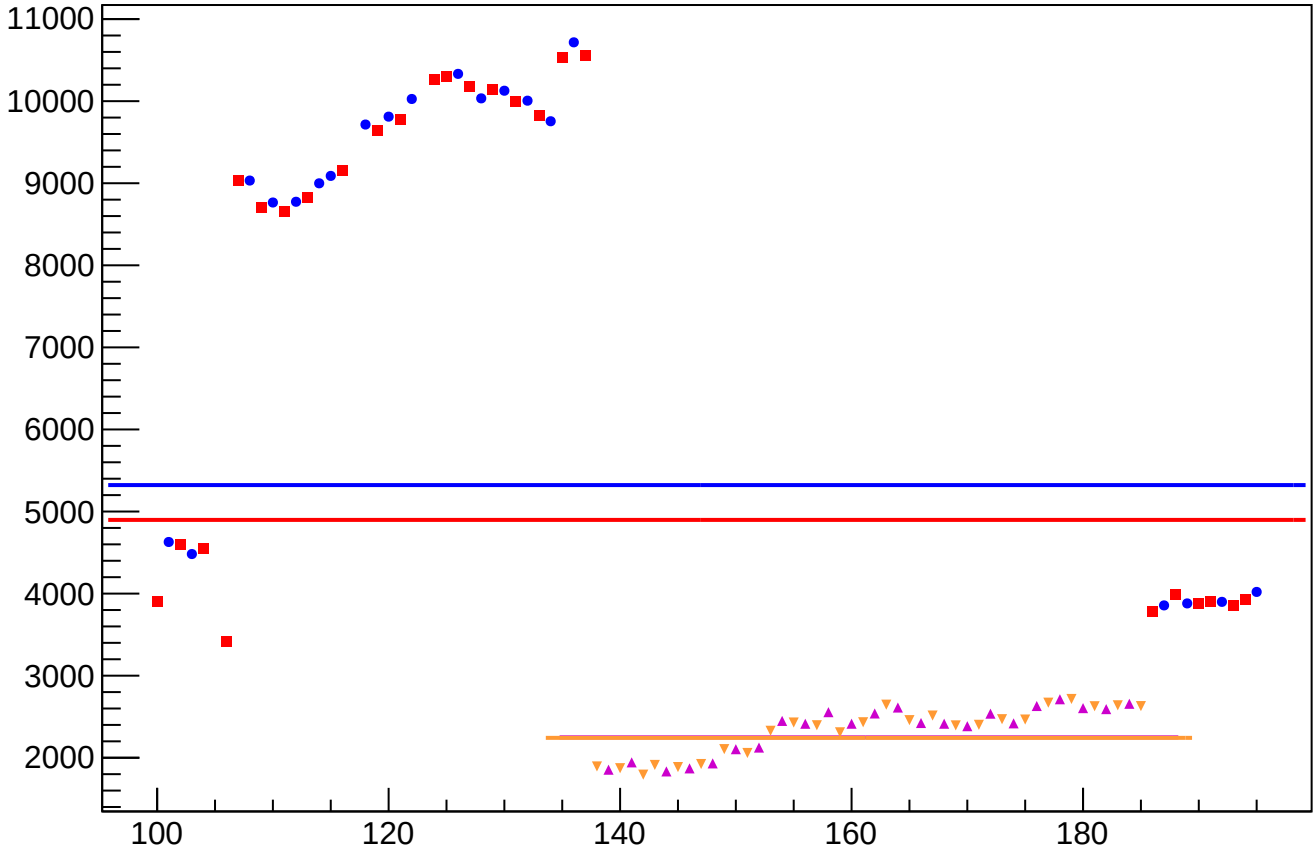
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 15.975+/-0.495 χ^2/NDF: 1845.6/44

All: 3.839+/-0.353 χ^2/NDF: 5228.2/92

- sign -8.676+/-0.503 χ^2/NDF: 2163.5/47

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: 4897.922+/-1.128 χ^2/NDF: 3498998.5/24

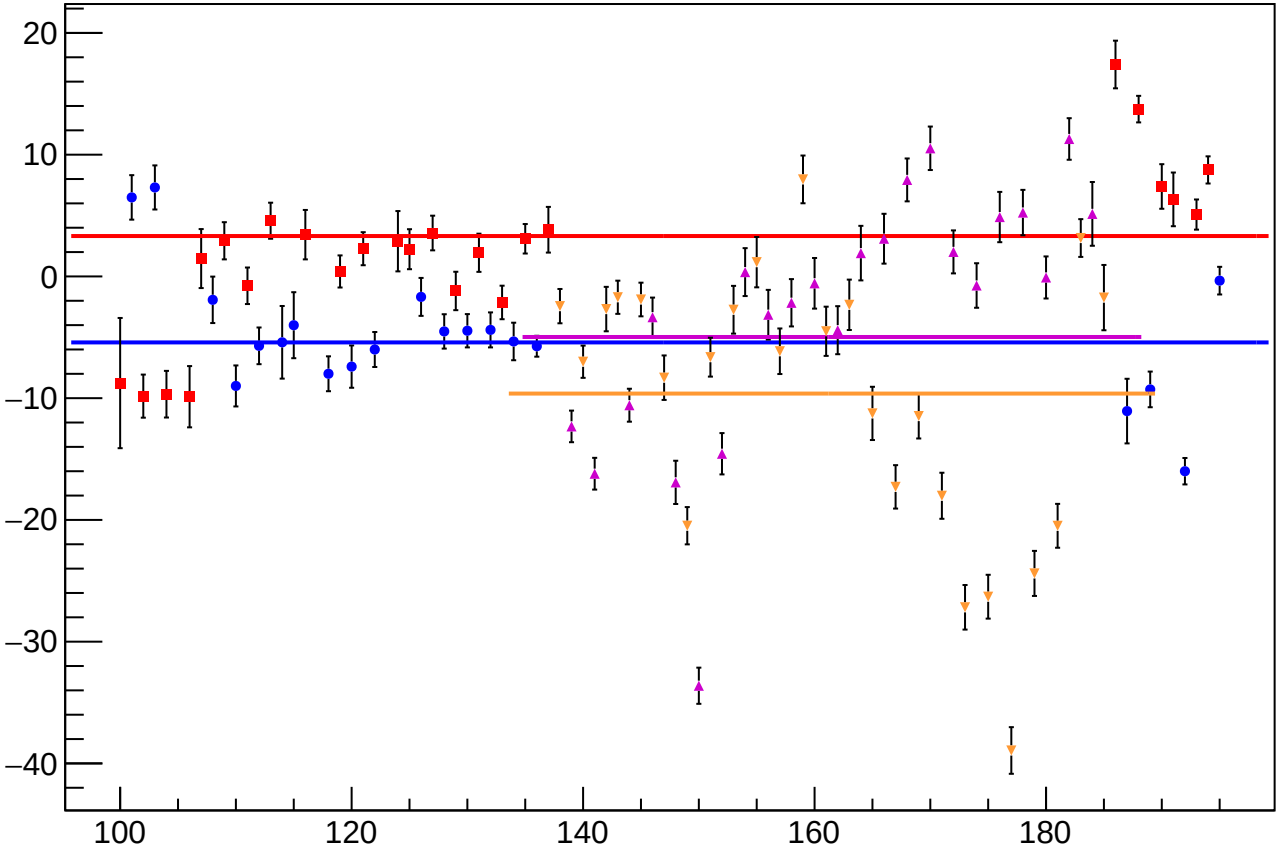
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2461.458+/-0.350 χ^2/NDF: 8977958.3/44

All: 2486.319+/-0.250 χ^2/NDF: 18096229.4/9

- sign 2511.953+/-0.356 χ^2/NDF: 9108040.5/47

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

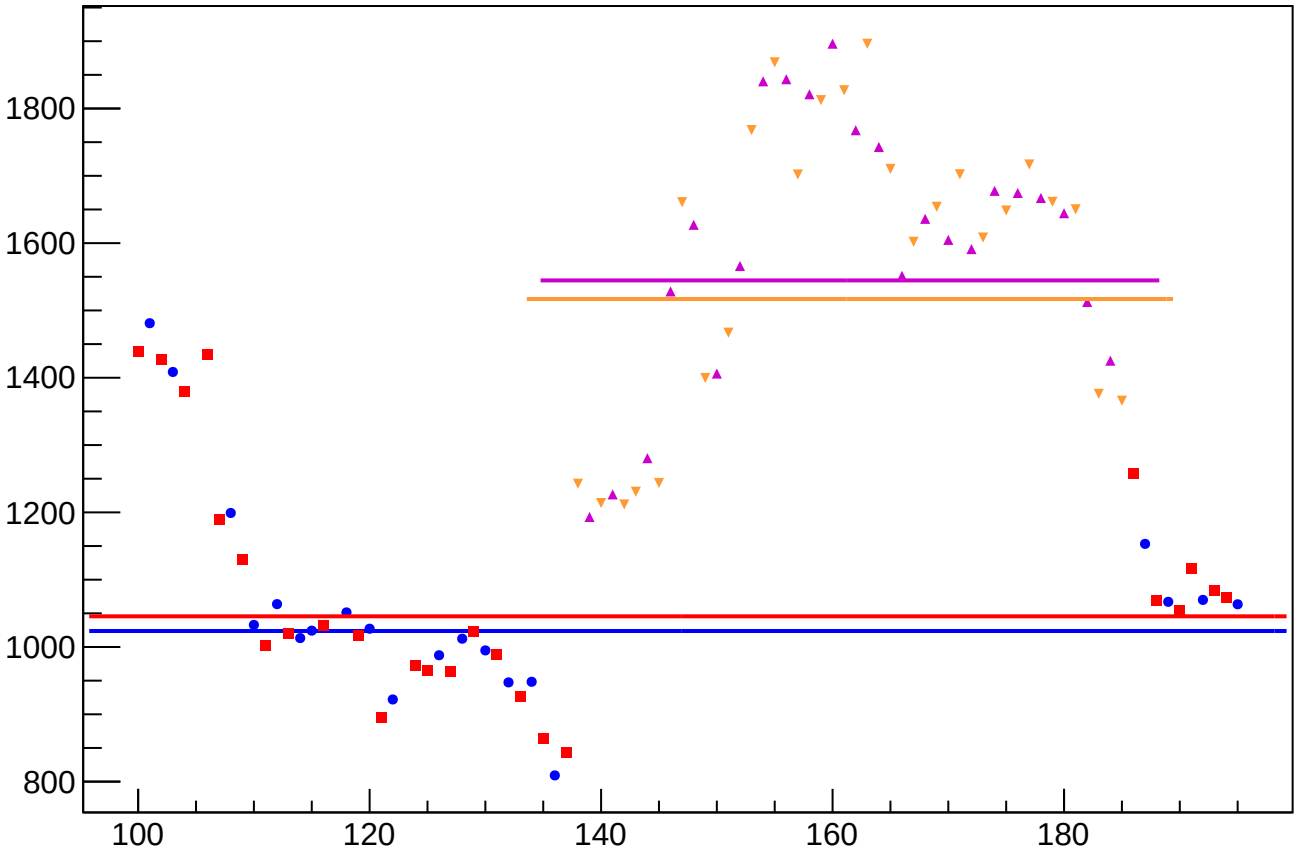
Right Out: 3.318+/-0.316 χ^2/NDF: 349.0/24

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.405+/-0.240 χ^2/NDF: 1249.1/44

All: -3.801+/-0.169 χ^2/NDF: 3272.4/92

- sign -0.235+/-0.239 χ^2/NDF: 1574.4/47



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: 1045.562+/-0.223 χ^2/NDF: 381418.0/24

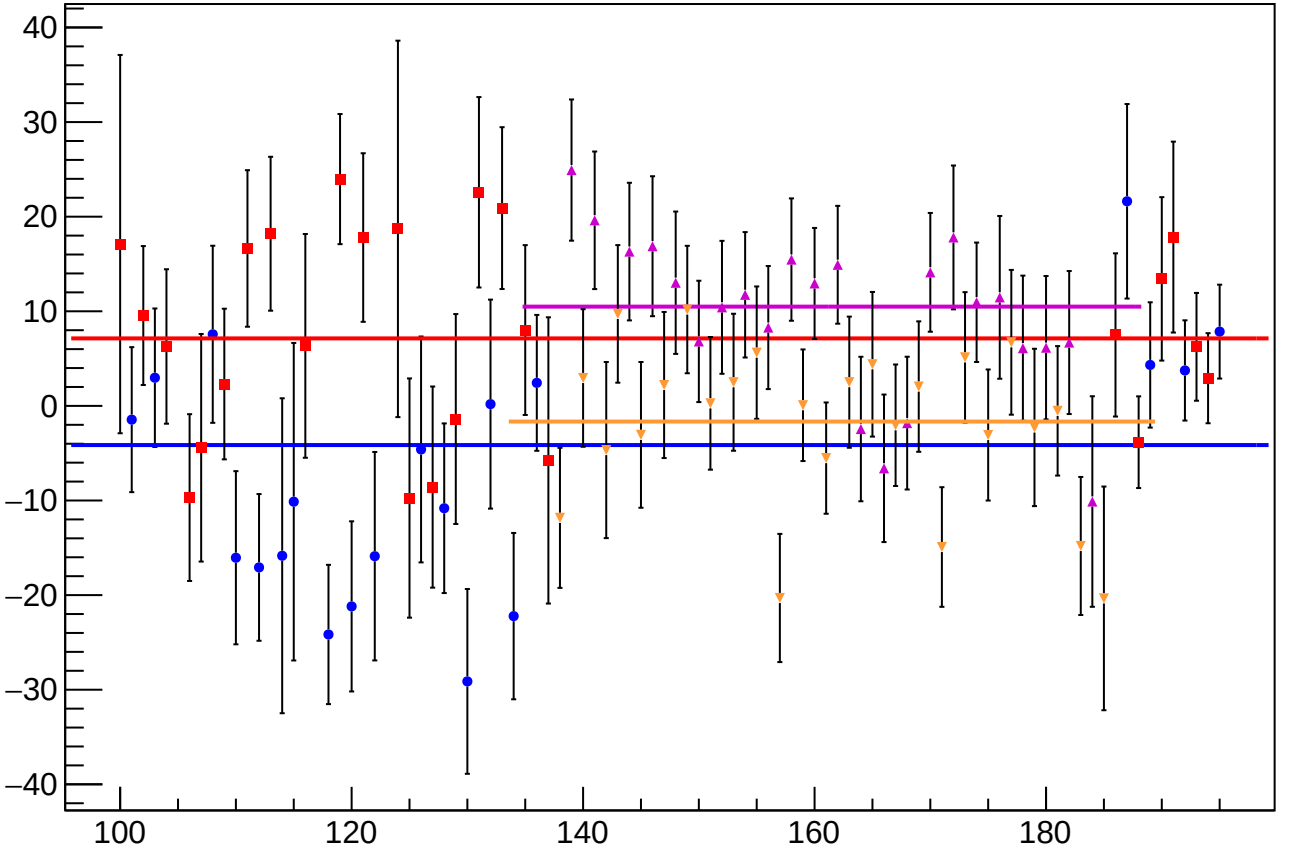
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1256.747+/-0.170 χ^2/NDF: 3334415.3/44

All: 1258.067+/-0.120 χ^2/NDF: 6496196.0/92

- sign 1259.373+/-0.169 χ^2/NDF: 3161660.4/47

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: 7.134+/-1.661 χ^2/NDF: 34.1/24

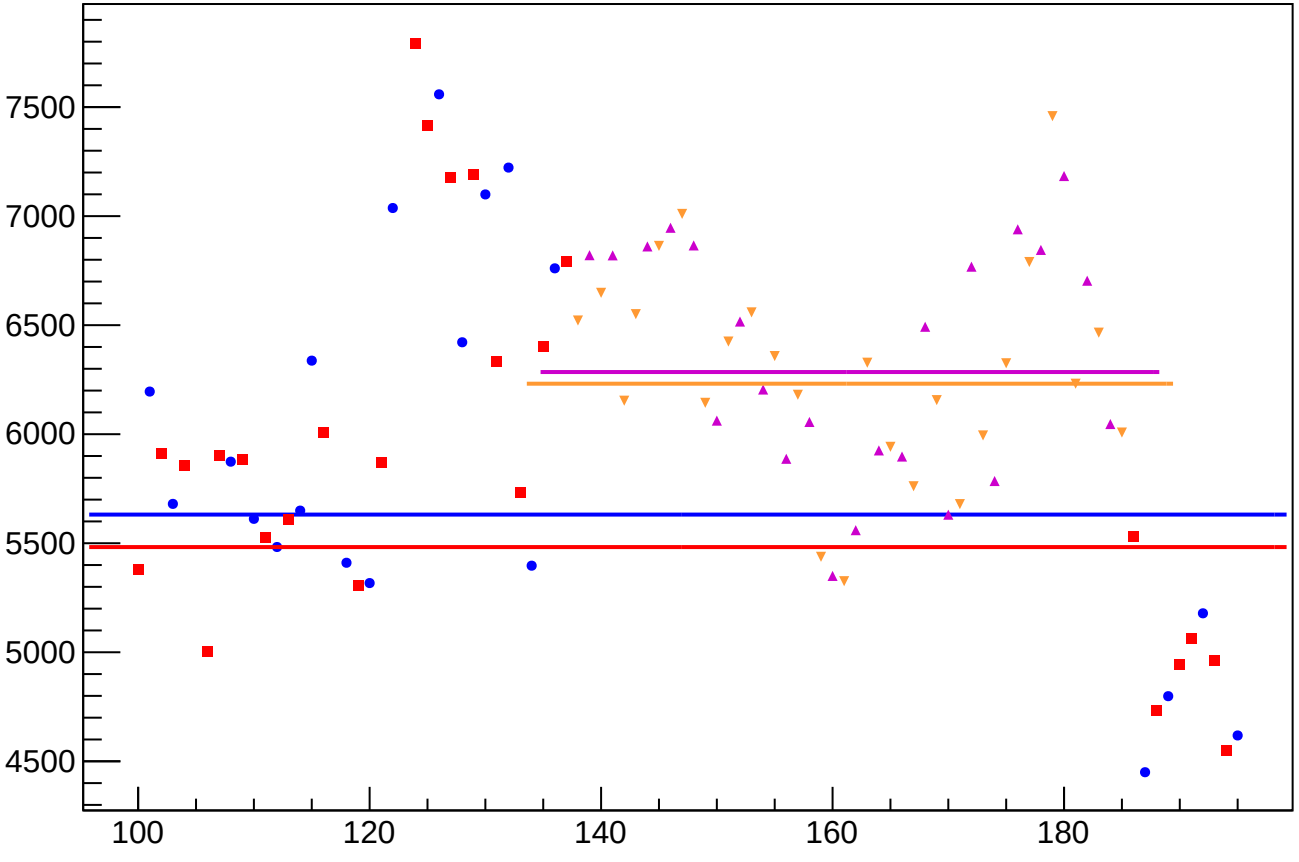
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -2.599+/-1.123 χ^2/NDF: 80.8/44

All: 3.300+/-0.788 χ^2/NDF: 196.3/92

- sign 9.006+/-1.105 χ^2/NDF: 61.3/47

diff_bpm0l05X_rms vs Slug



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: 5482.356+/-1.174 χ^2/NDF: 410183.9/24

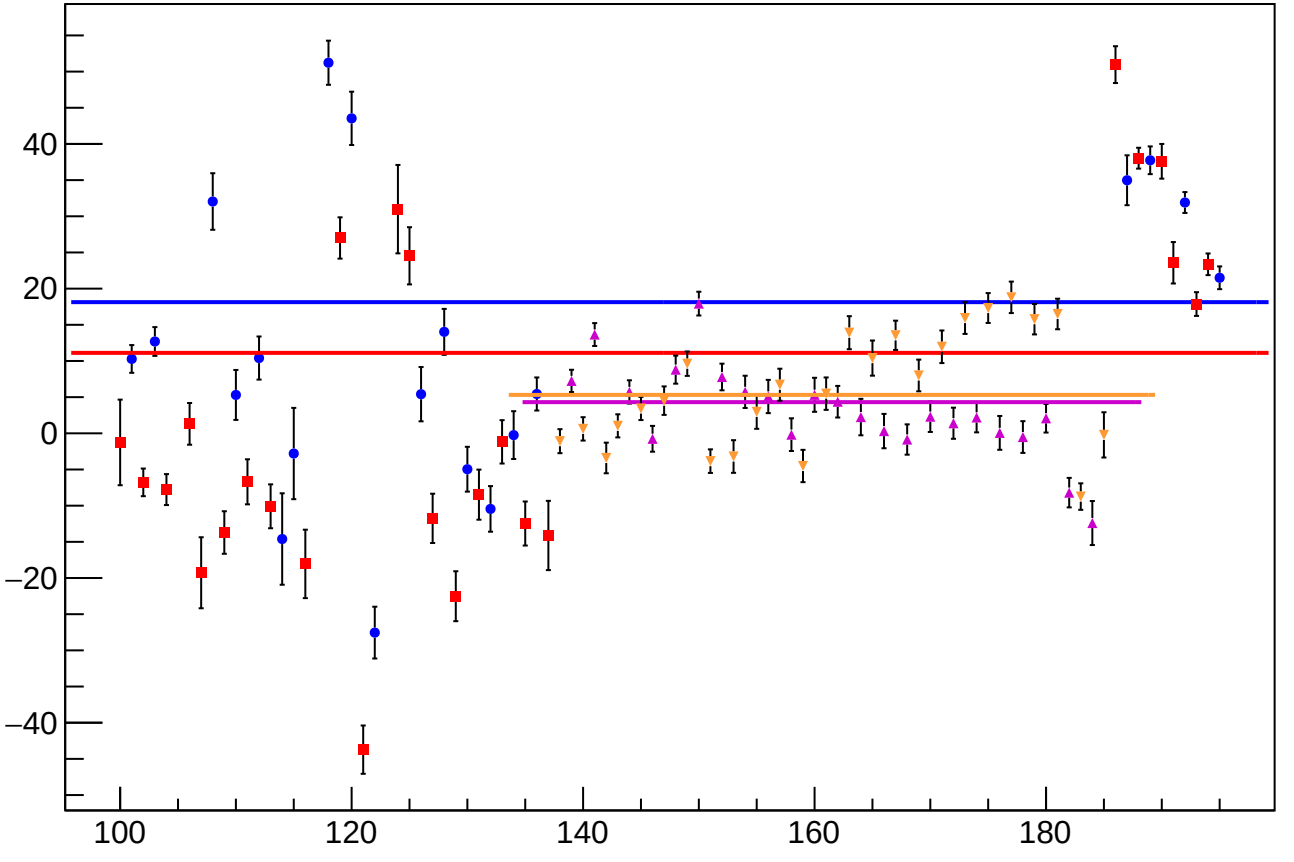
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6003.693+/-0.794 χ^2/NDF: 775983.9/44

All: 5966.152+/-0.557 χ^2/NDF: 1716377.9/92

- sign 5929.840+/-0.781 χ^2/NDF: 936000.0/47

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: 11.121+/-0.525 χ^2/NDF: 1828.7/24

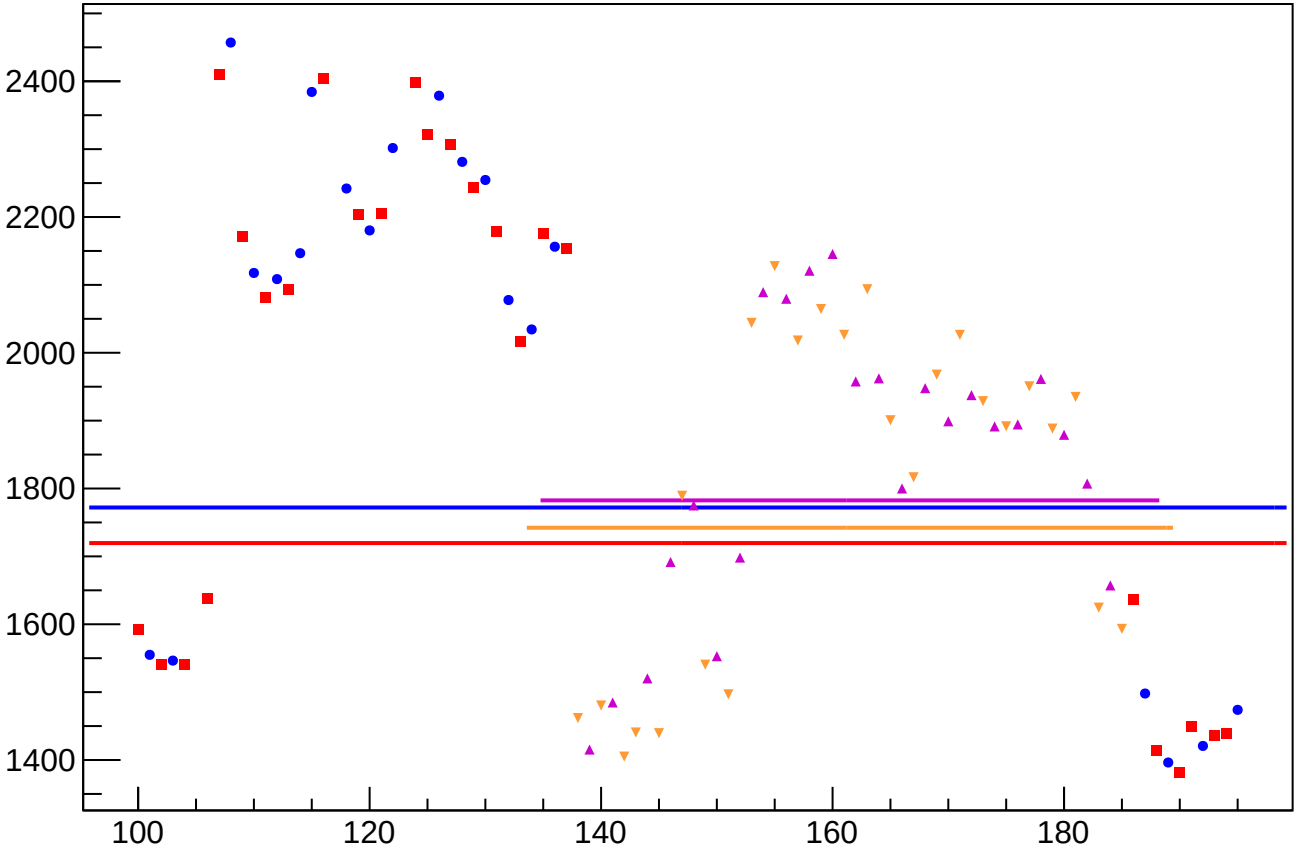
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 9.471+/-0.329 χ^2/NDF: 1571.2/44

All: 8.215+/-0.232 χ^2/NDF: 3751.8/92

- sign 6.967+/-0.328 χ^2/NDF: 2151.6/47

diff_bpm0l05Y_rms vs Slug



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: 1719.621+/-0.371 χ^2/NDF: 892454.8/24

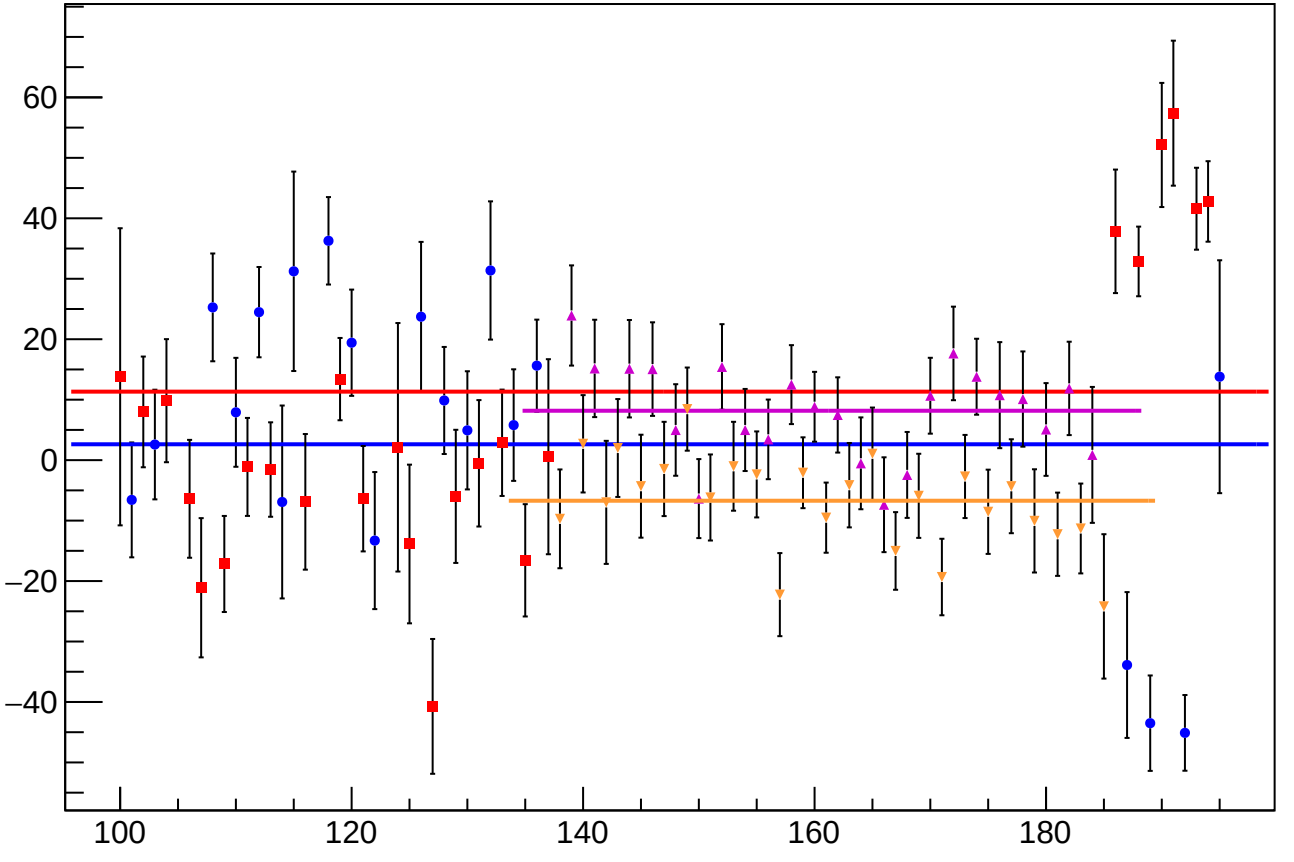
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1751.884+/-0.233 χ^2/NDF: 1591479.4/44

All: 1754.939+/-0.164 χ^2/NDF: 3036131.7/92

- sign 1757.976+/-0.232 χ^2/NDF: 1444308.5/47

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: 11.331+/-1.844 χ^2/NDF: 169.6/24

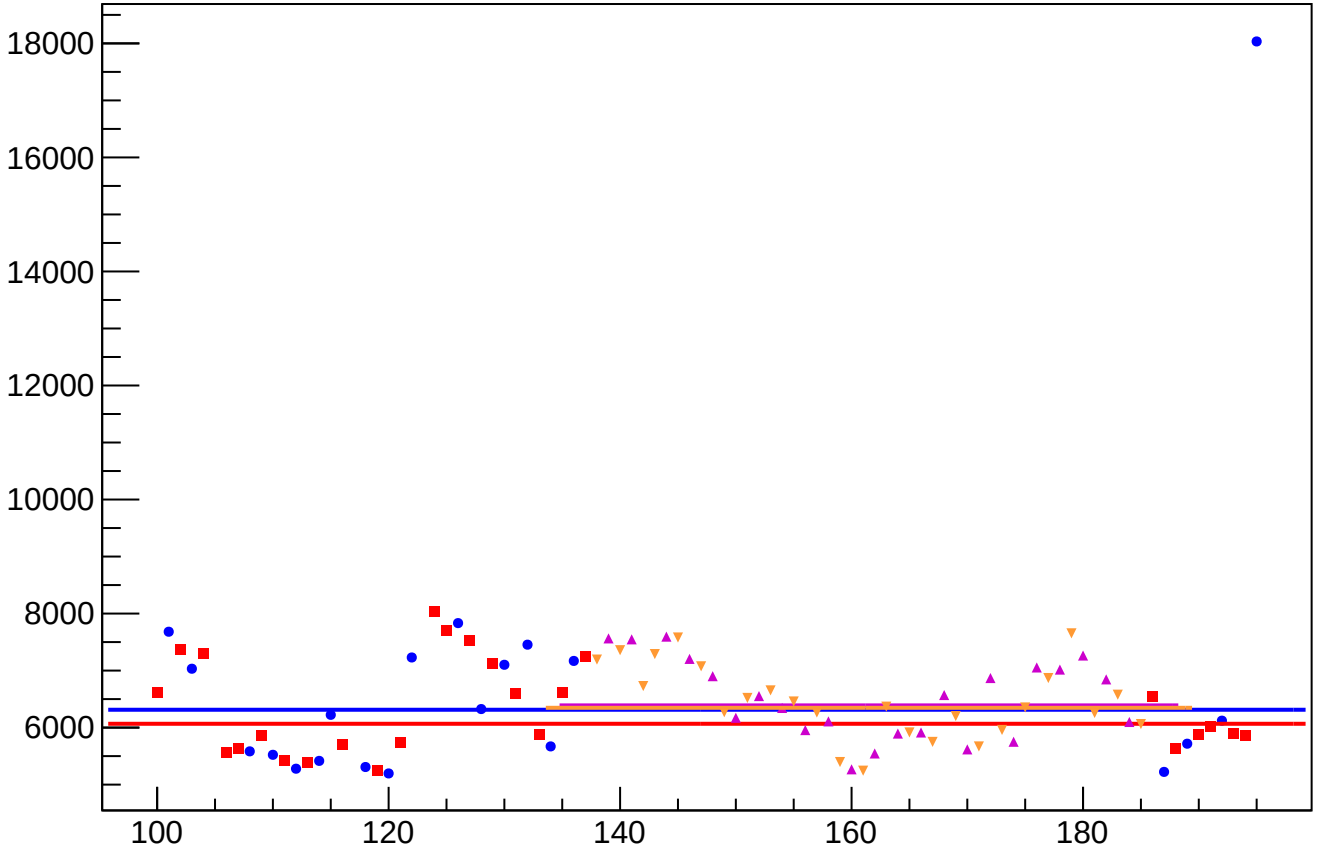
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.638+/-1.194 χ^2/NDF: 200.9/44

All: 3.041+/-0.835 χ^2/NDF: 457.7/92

- sign 9.439+/-1.168 χ^2/NDF: 195.5/47

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: 6067.024+/-1.304 χ^2/NDF: 288414.8/24

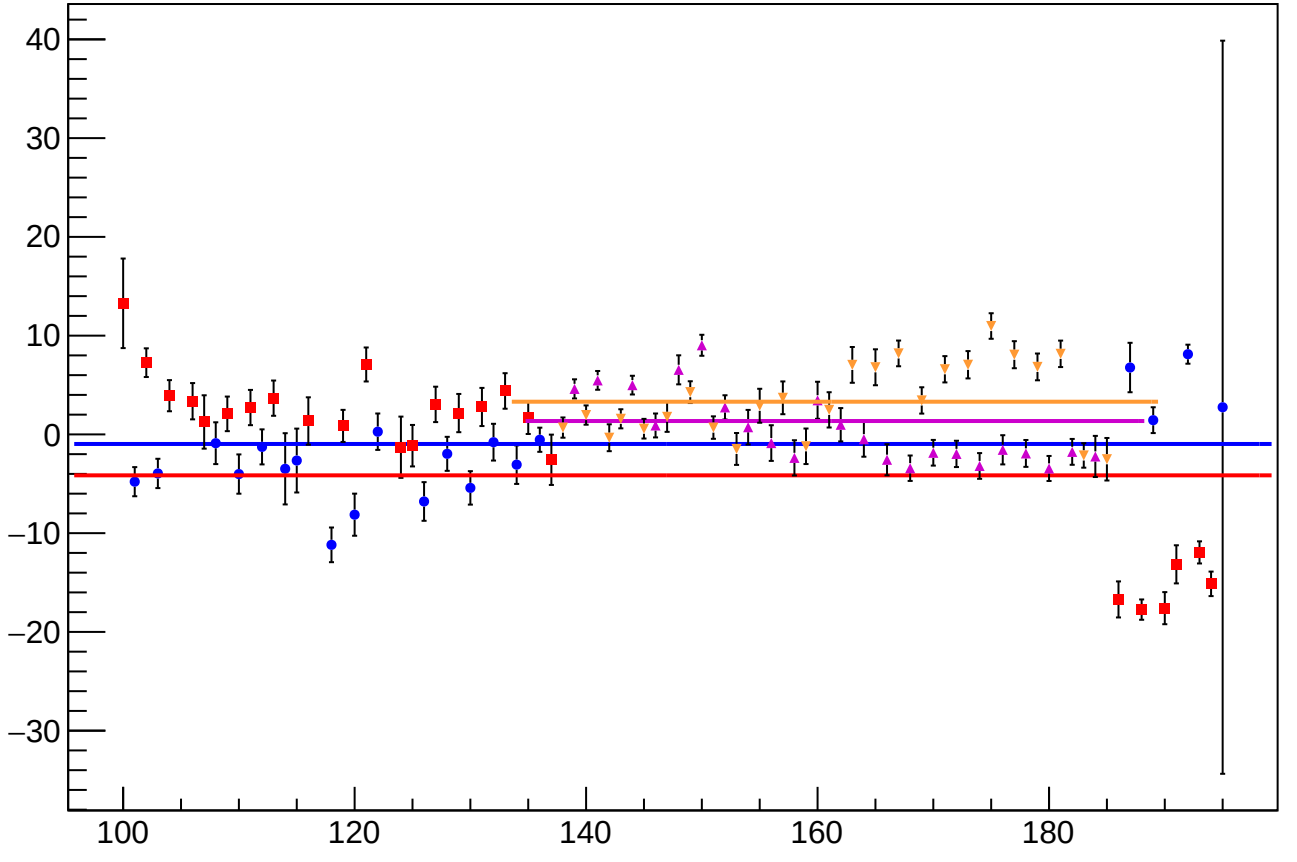
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6336.024+/-0.844 χ^2/NDF: 1466259.3/44

All: 6297.223+/-0.590 χ^2/NDF: 2215152.3/92

- sign 6260.060+/-0.826 χ^2/NDF: 744757.0/47

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: -4.146+/-0.342 χ^2/NDF: 744.4/24

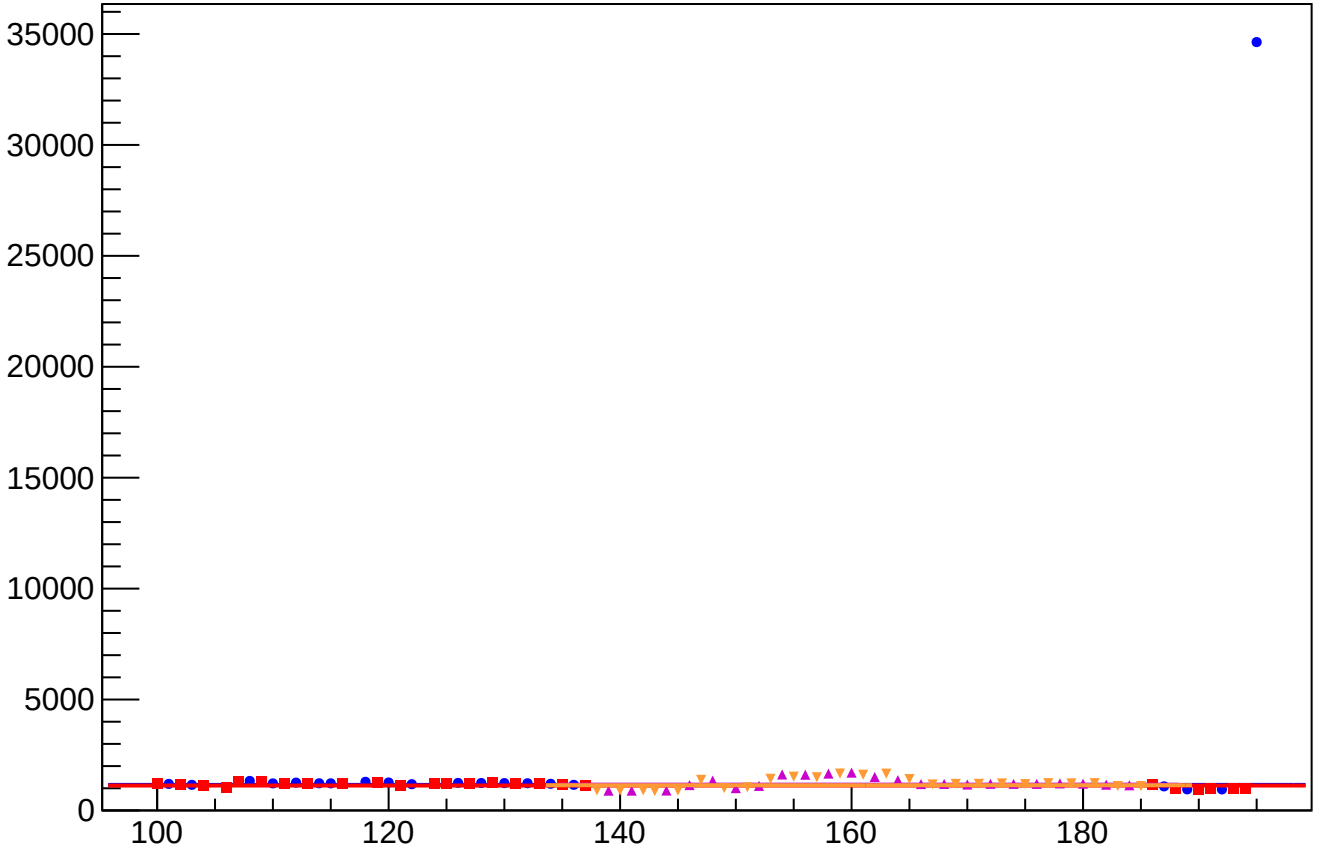
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 440.5/44

All: 0.543+/-0.153 χ^2/NDF: 1618.9/92

- sign -0.820+/-0.215 χ^2/NDF: 1097.0/47

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

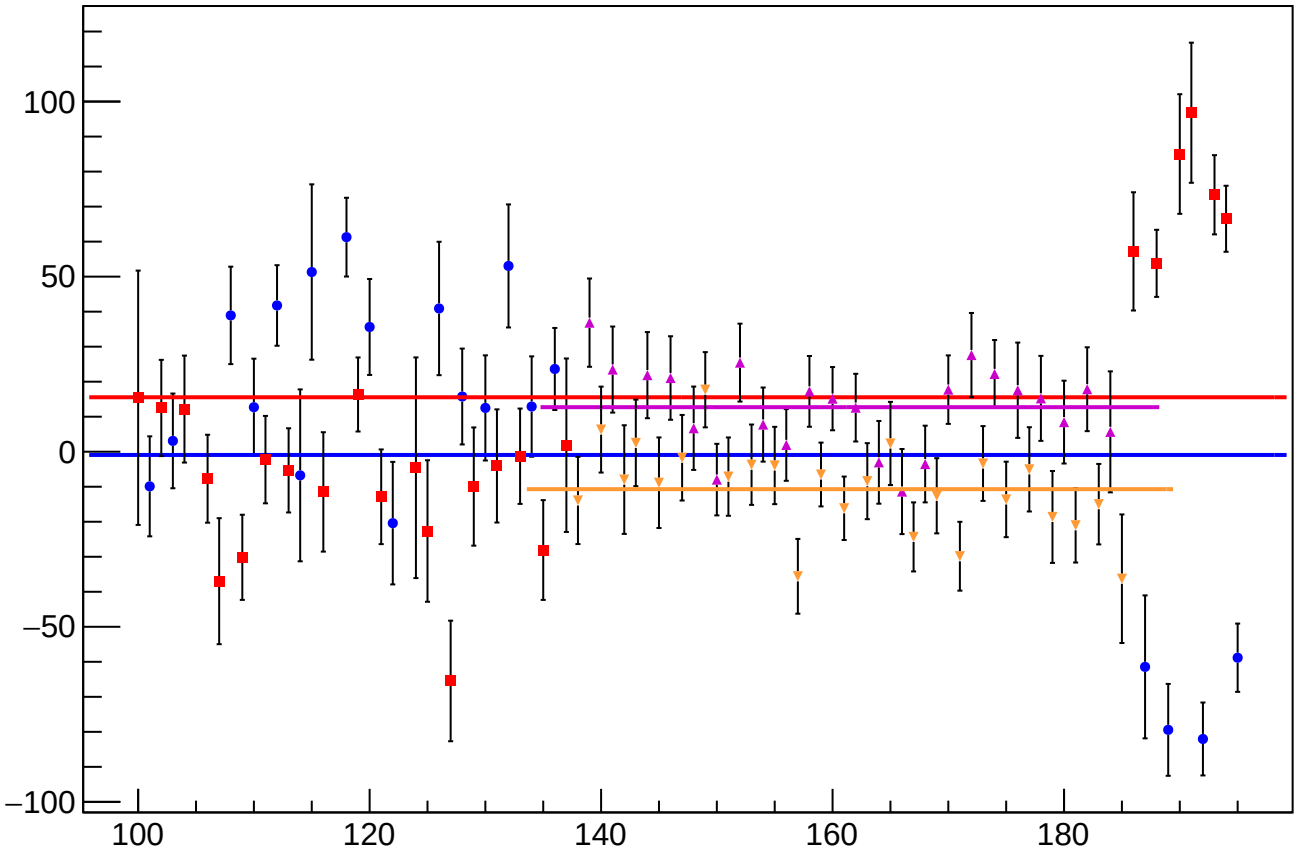
Right Out: 1123.238+/-0.242 χ^2/NDF: 218627.4/24

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1141.685+/-0.154 χ^2/NDF: 3299488.2/44

All: 1143.427+/-0.108 χ^2/NDF: 4791695.0/92

- sign 1145.120+/-0.152 χ^2/NDF: 1491955.3/47



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: 15.550+/-2.849 χ^2/NDF: 189.7/24

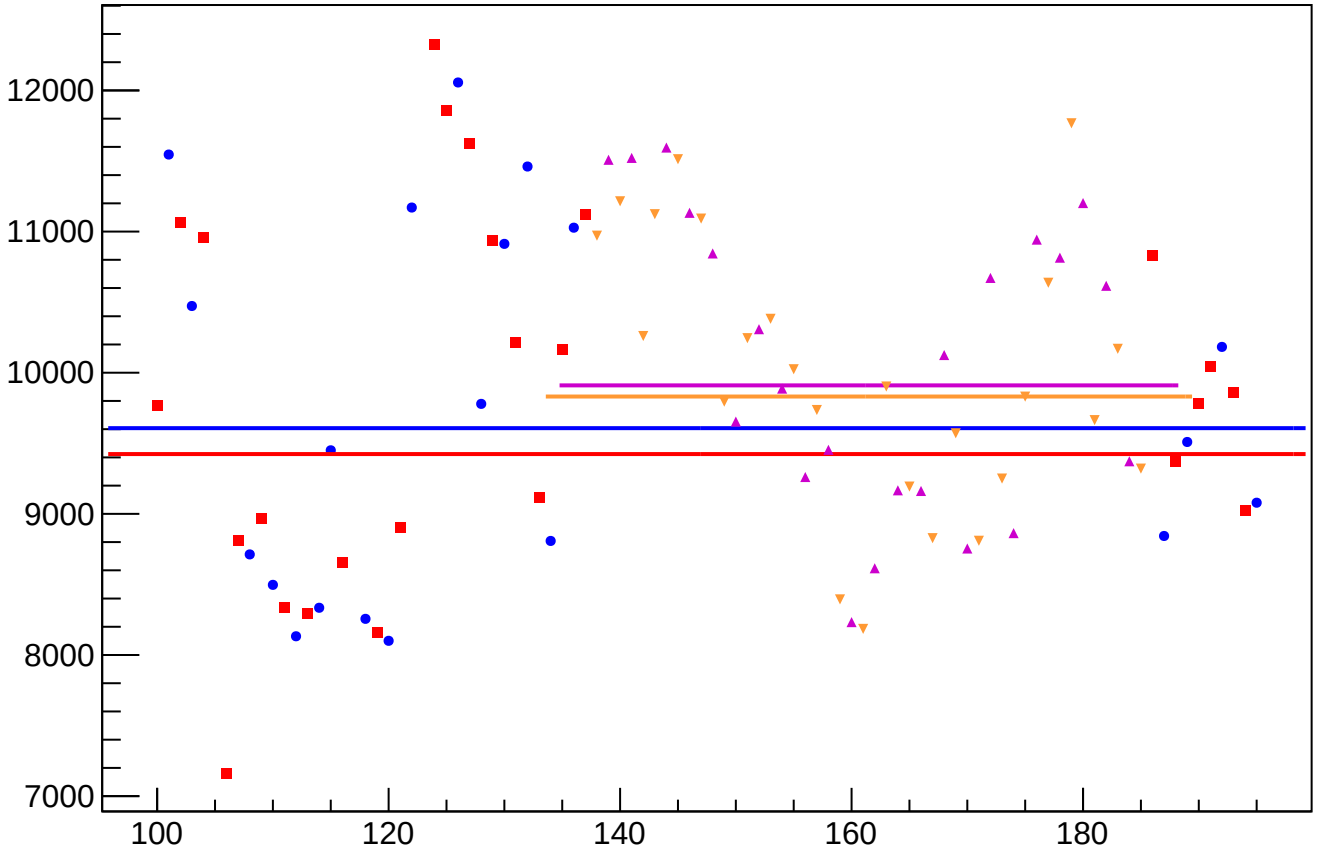
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -7.313+/-1.825 χ^2/NDF: 264.4/44

All: 3.370+/-1.285 χ^2/NDF: 546.7/92

- sign 13.860+/-1.809 χ^2/NDF: 214.3/47

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: 9423.635+/-2.014 χ^2/NDF: 325892.1/24

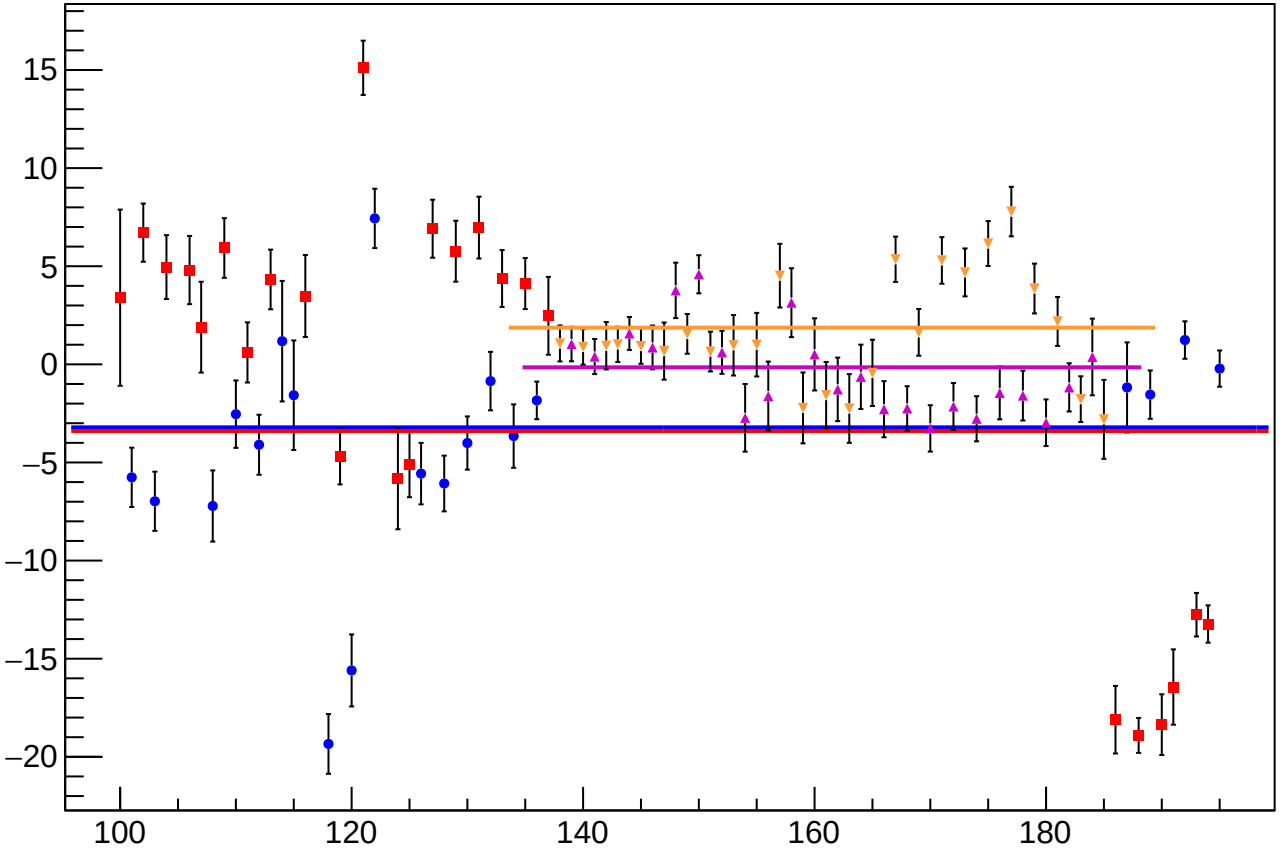
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9753.720+/-1.291 χ^2/NDF: 657691.1/44

All: 9733.747+/-0.908 χ^2/NDF: 1408270.3/92

- sign 9714.134+/-1.279 χ^2/NDF: 750104.4/47

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: -3.395+/-0.298 χ^2/NDF: 1258.0/24

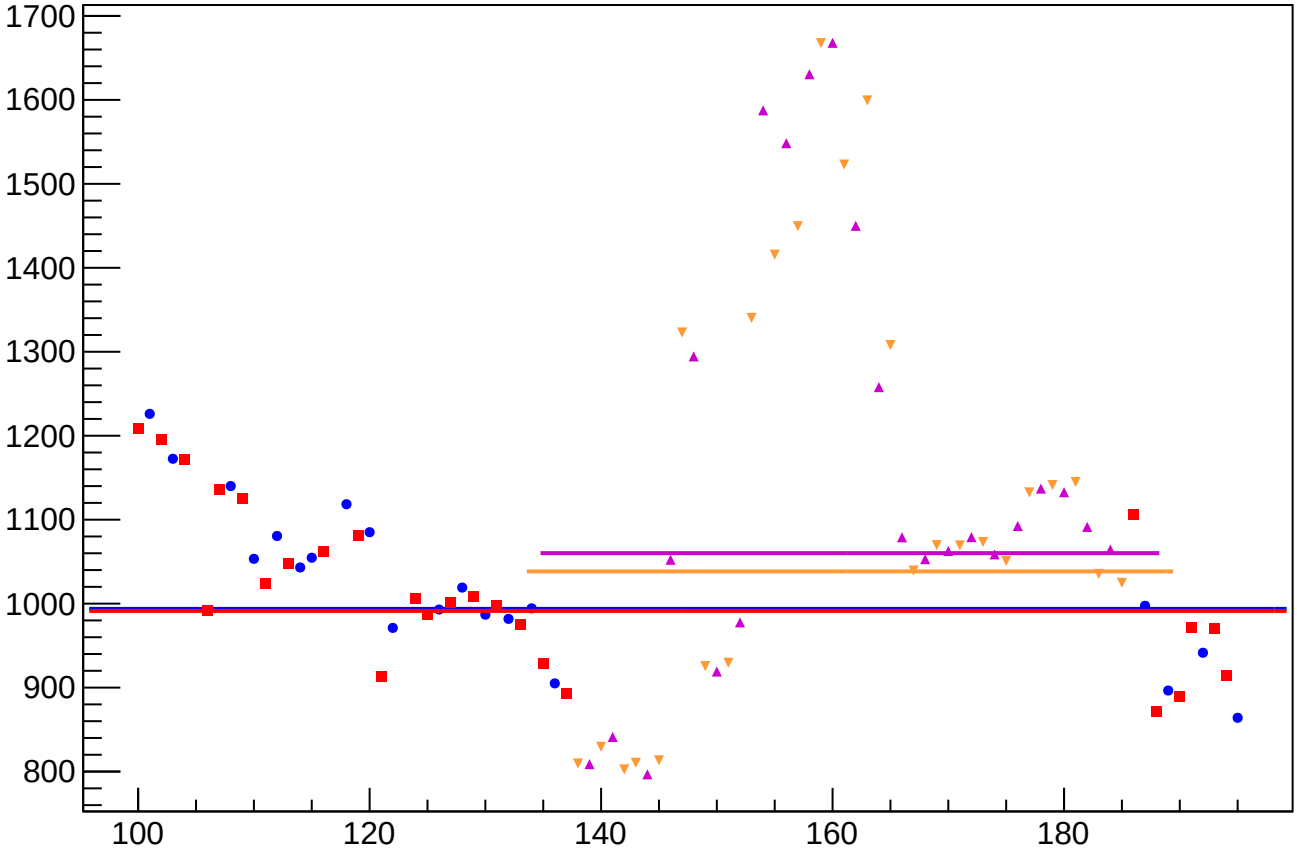
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.006+/-0.193 χ^2/NDF: 534.5/44

All: -0.756+/-0.137 χ^2/NDF: 1967.8/92

- sign -1.520+/-0.194 χ^2/NDF: 1402.2/47

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: 991.335+/-0.211 χ^2/NDF: 189043.4/24

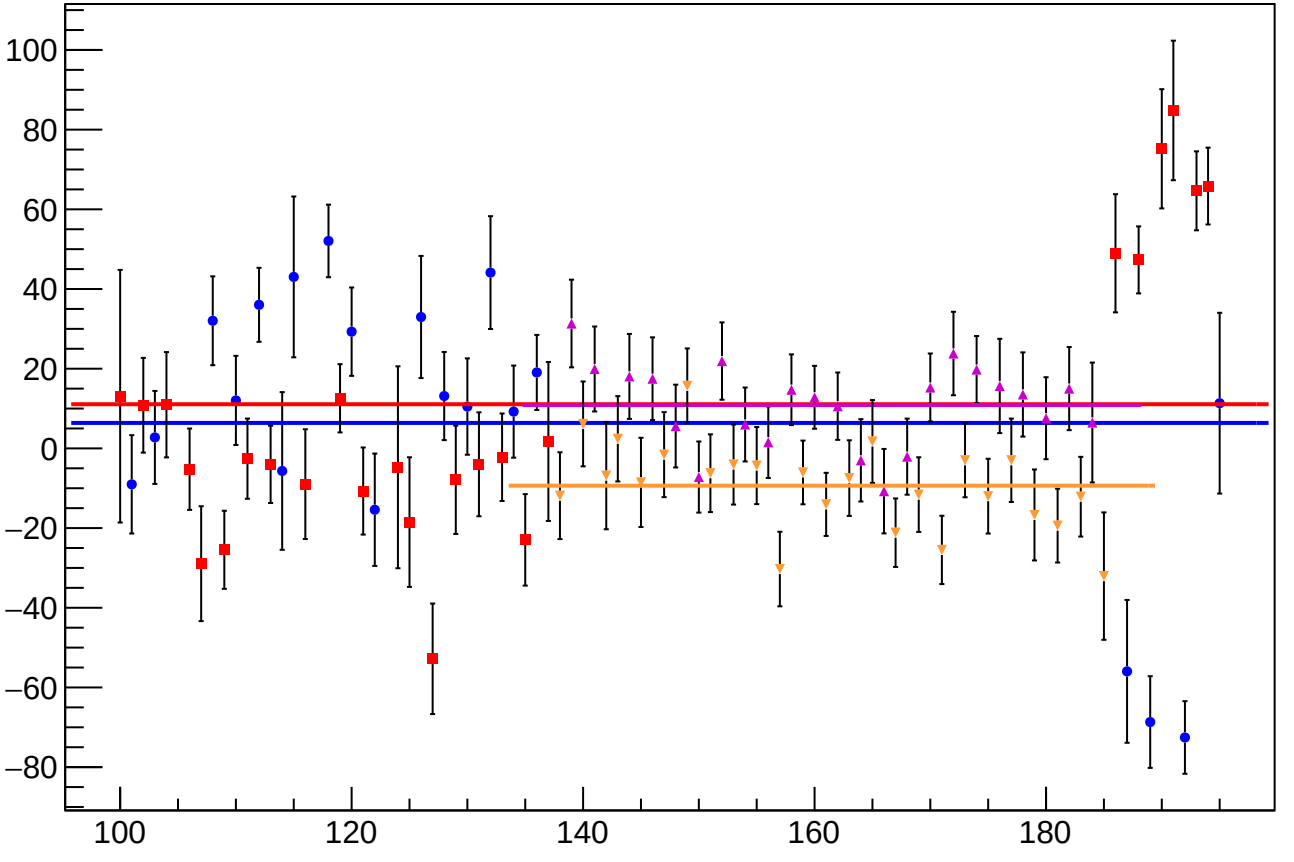
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1022.031+/-0.137 χ^2/NDF: 1924976.4/44

All: 1026.571+/-0.097 χ^2/NDF: 3701163.5/92

- sign 1031.131+/-0.137 χ^2/NDF: 1773971.1/47

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

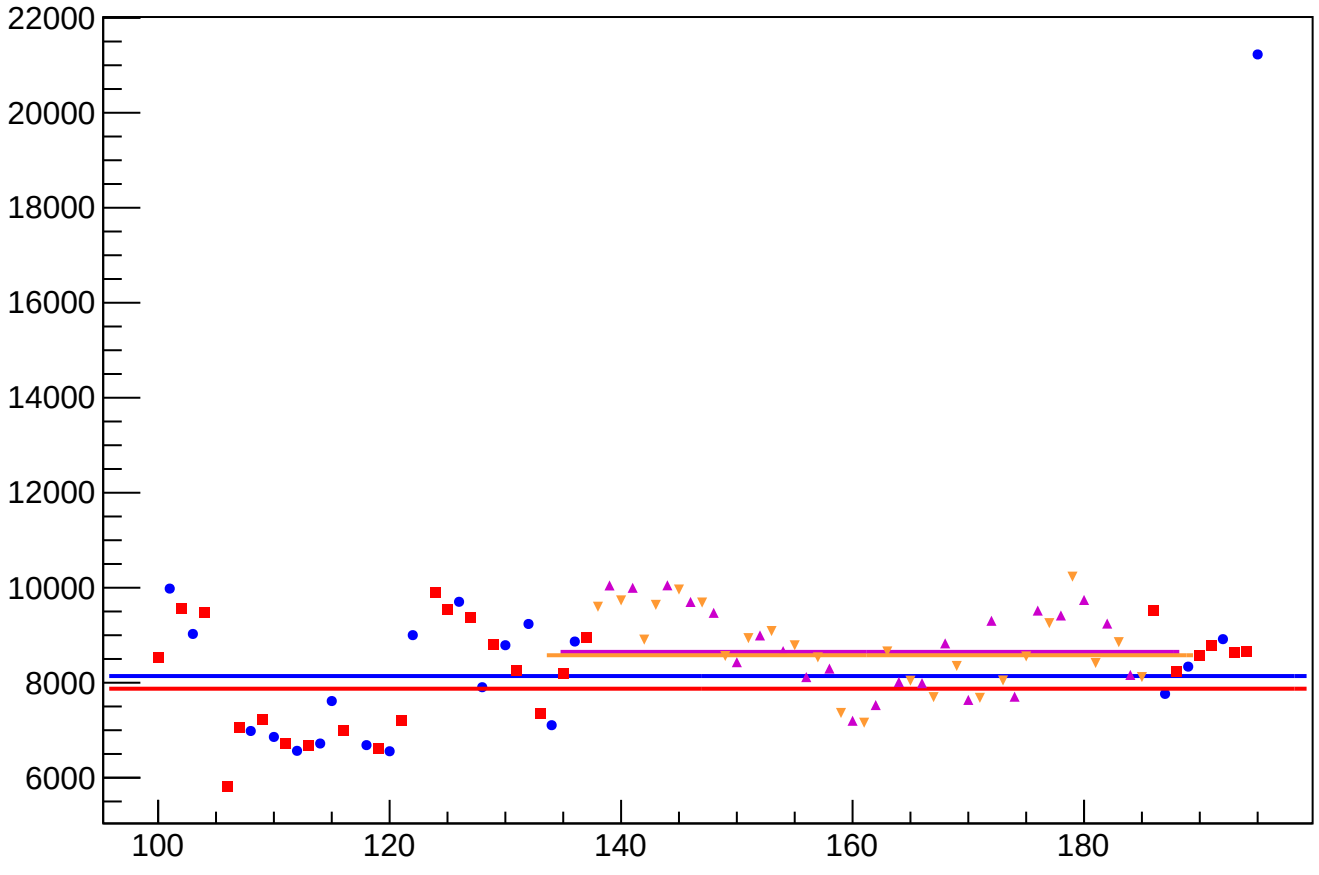
Right Out: 11.086+/-2.398 χ^2/NDF: 195.8/24

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.829+/-1.586 χ^2/NDF: 246.0/44

All: 3.722+/-1.110 χ^2/NDF: 509.8/92

- sign 10.973+/-1.555 χ^2/NDF: 219.4/47



Right In: 8140.528+/-1.894 χ^2/NDF: 1021170.2/19

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7874.060+/-1.695 χ^2/NDF: 426152.5/24

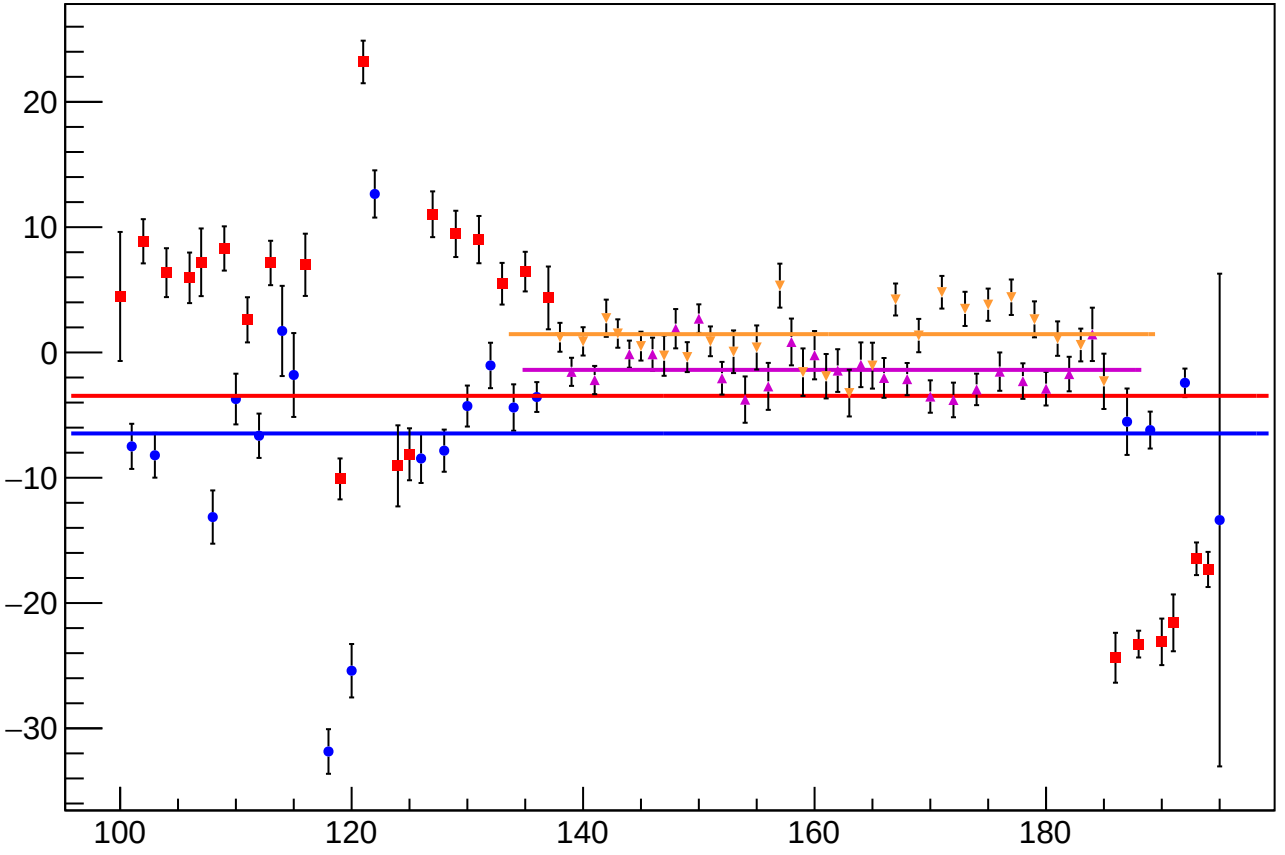
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8424.744+/-1.122 χ^2/NDF: 1399591.9/44

All: 8372.973+/-0.785 χ^2/NDF: 2328994.9/92

- sign 8323.248+/-1.099 χ^2/NDF: 925227.6/47

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: -3.462+/-0.361 χ^2/NDF: 1554.2/24

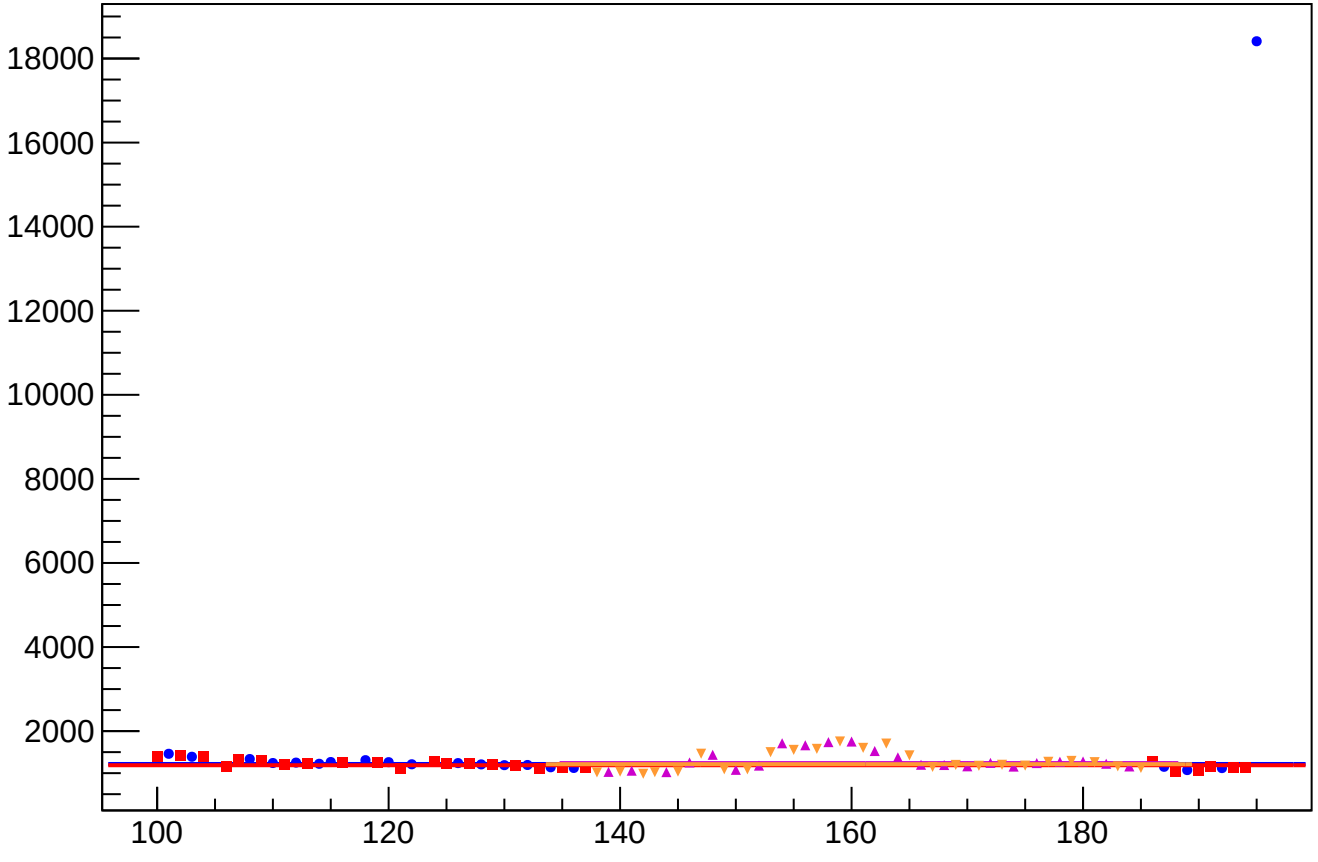
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.097+/-0.231 χ^2/NDF: 746.2/44

All: -1.664+/-0.162 χ^2/NDF: 2367.7/92

- sign -2.217+/-0.228 χ^2/NDF: 1609.6/47

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: 1188.349+/-0.255 χ^2/NDF: 150989.0/24

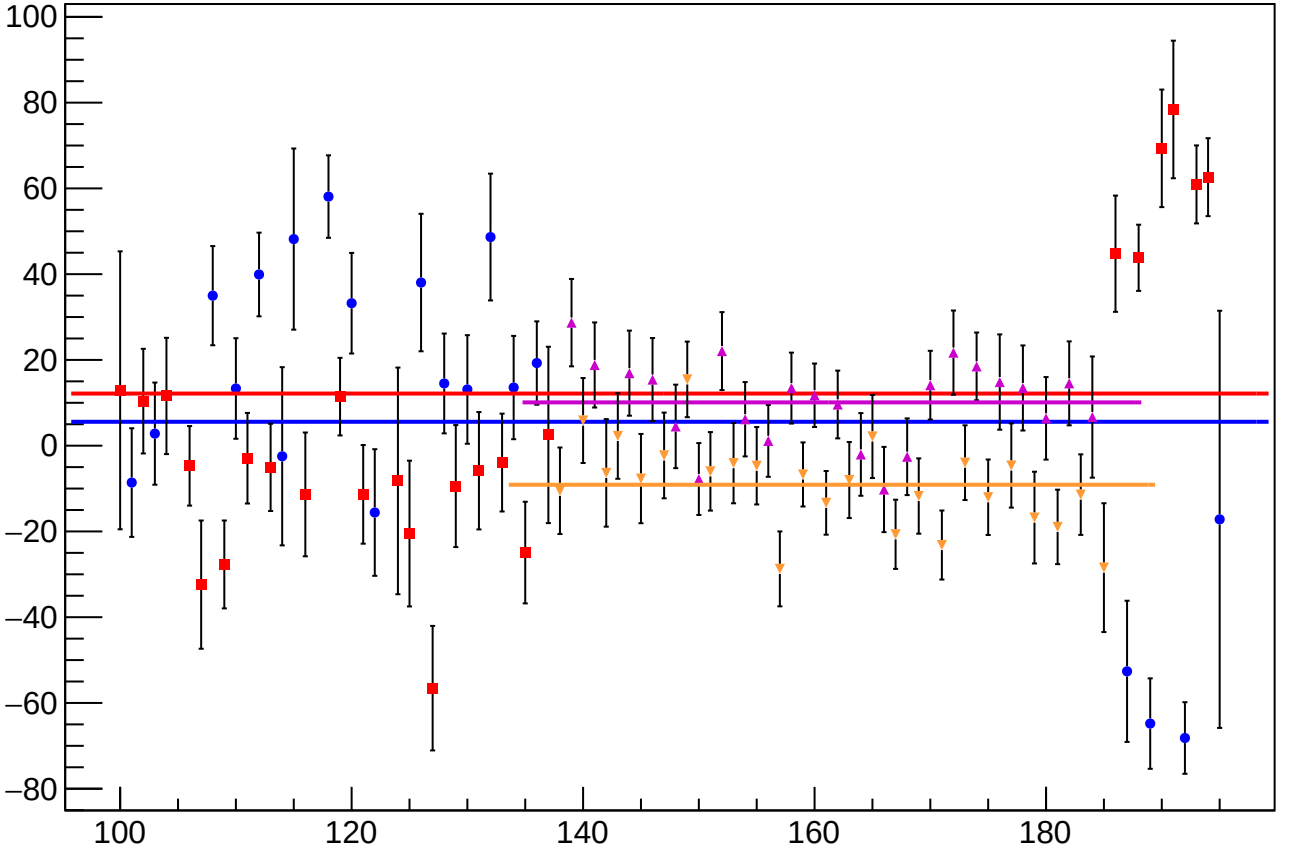
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1214.827+/-0.163 χ^2/NDF: 2662818.4/44

All: 1216.885+/-0.115 χ^2/NDF: 3723523.0/92

- sign 1218.895+/-0.161 χ^2/NDF: 1060390.4/47

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: 12.156+/-2.393 χ^2/NDF: 198.4/24

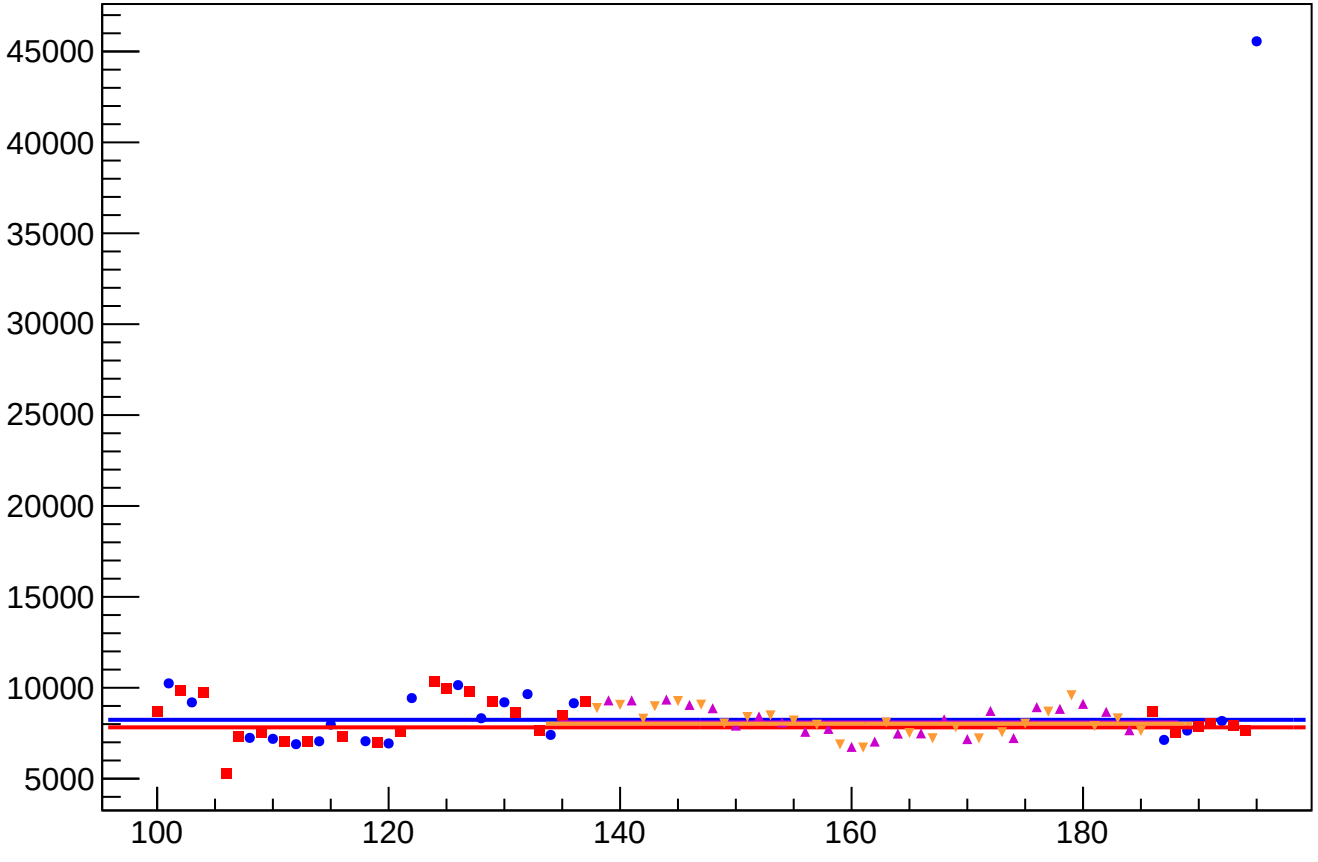
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.552+/-1.530 χ^2/NDF: 261.9/44

All: 3.358+/-1.069 χ^2/NDF: 537.3/92

- sign 10.898+/-1.493 χ^2/NDF: 223.2/47

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: 7822.863+/-1.692 χ^2/NDF: 435114.5/24

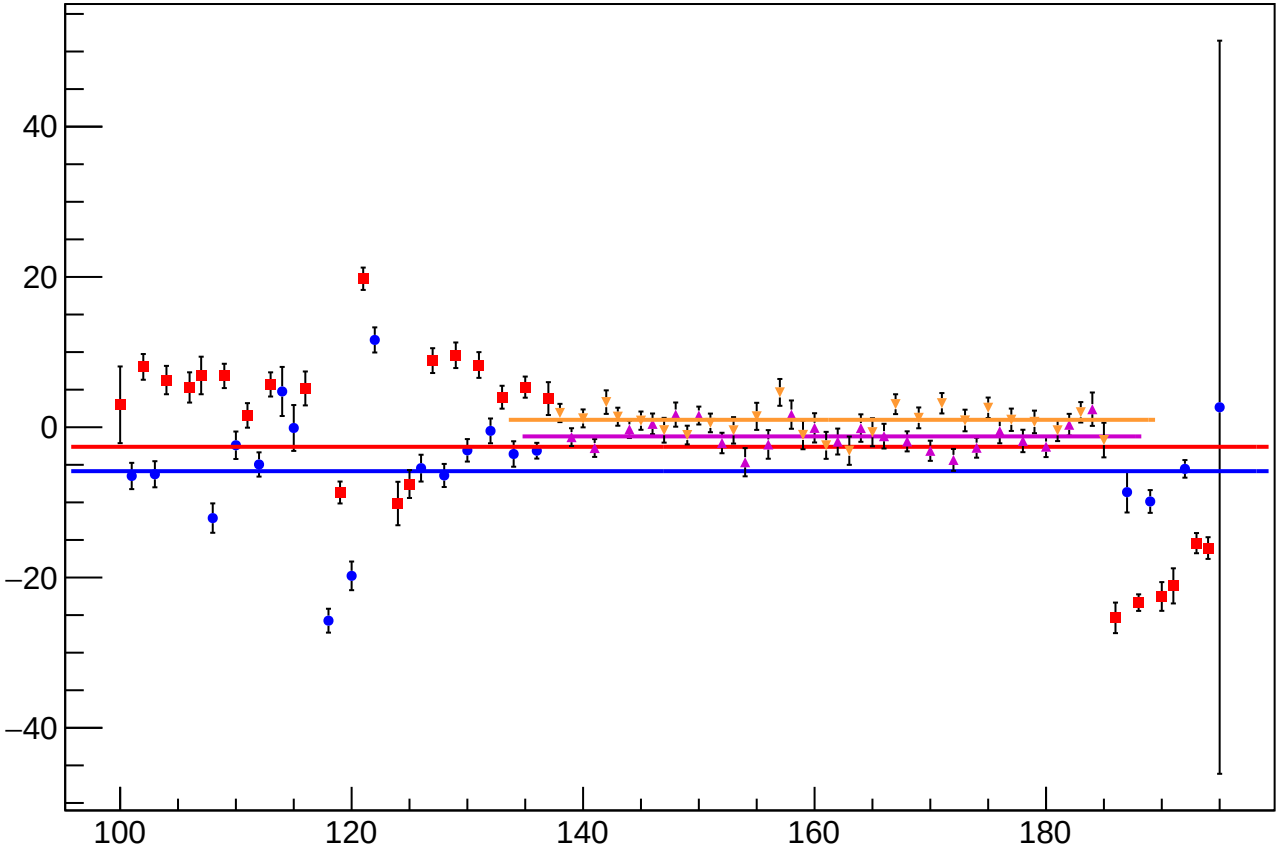
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8093.270+/-1.082 χ^2/NDF: 1824315.0/44

All: 8040.009+/-0.756 χ^2/NDF: 2647449.5/92

- sign 7989.245+/-1.056 χ^2/NDF: 818399.2/47

diff_bpm0l09Y_mean vs Slug



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: -2.604+/-0.343 χ^2/NDF: 1456.1/24

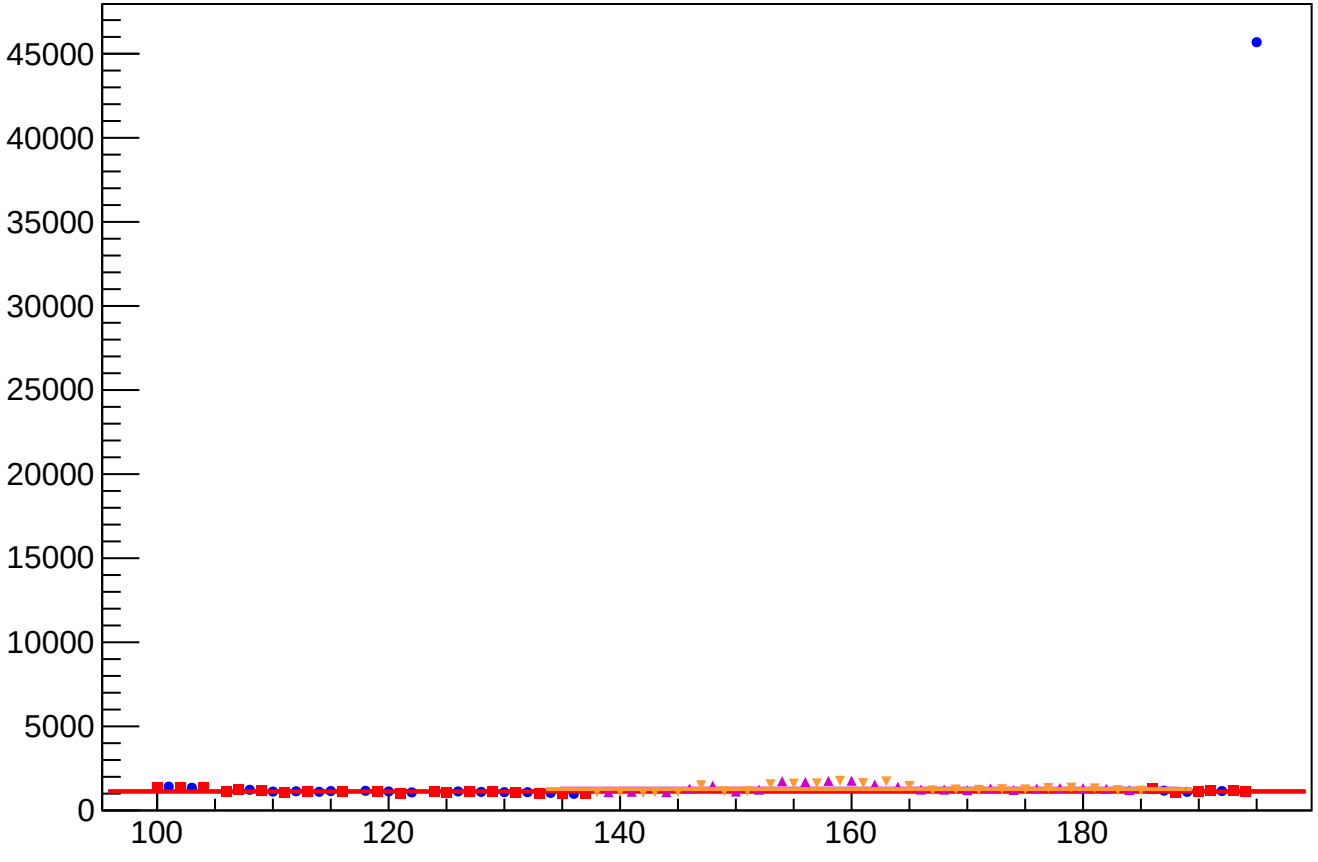
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.557+/-0.232 χ^2/NDF: 613.2/44

All: -1.697+/-0.163 χ^2/NDF: 2112.2/92

- sign -1.834+/-0.229 χ^2/NDF: 1498.2/47

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: 1127.503+/-0.243 χ^2/NDF: 165637.9/24

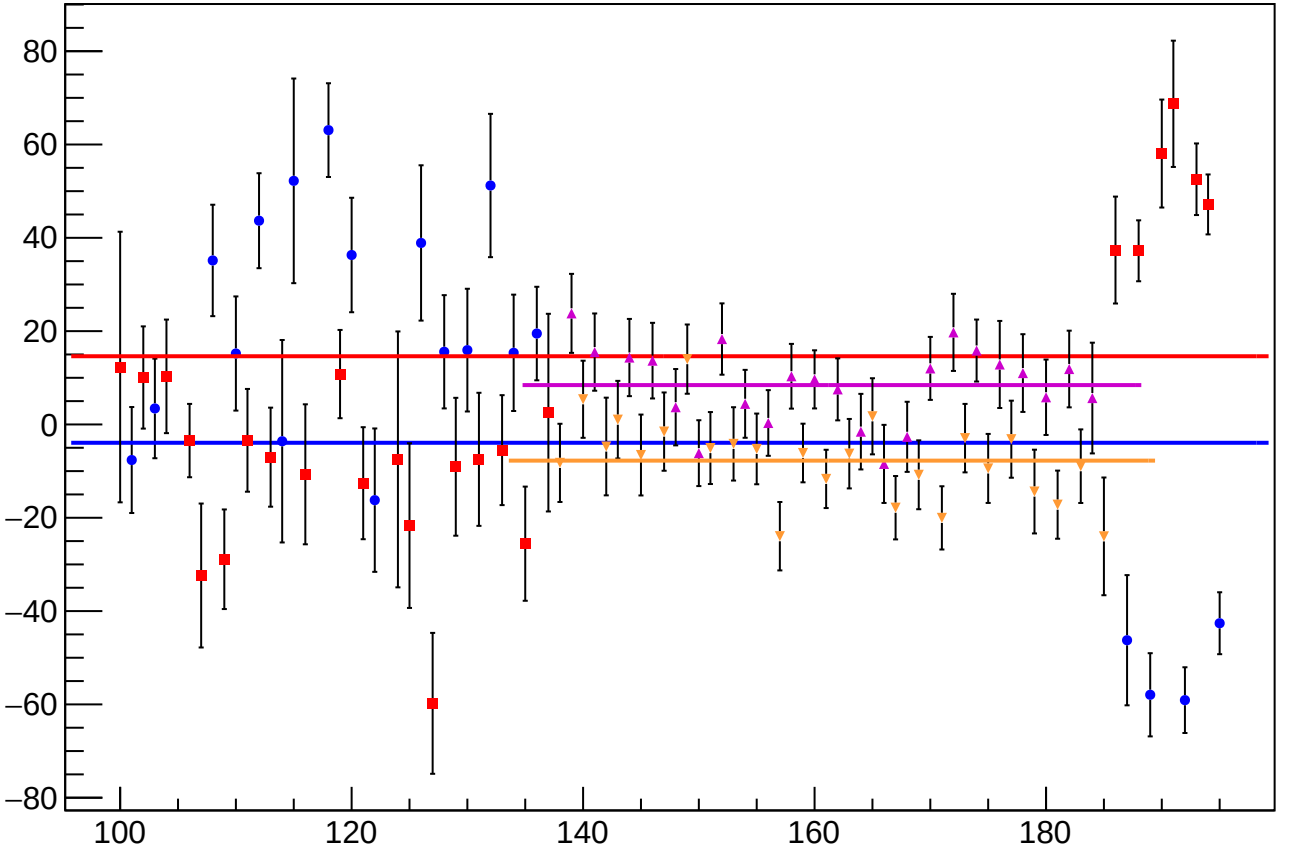
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1217.074+/-0.164 χ^2/NDF: 2848788.2/44

All: 1218.623+/-0.115 χ^2/NDF: 4034899.2/92

- sign 1220.133+/-0.162 χ^2/NDF: 1185934.2/47

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: 14.620+/-2.209 χ^2/NDF: 190.7/24

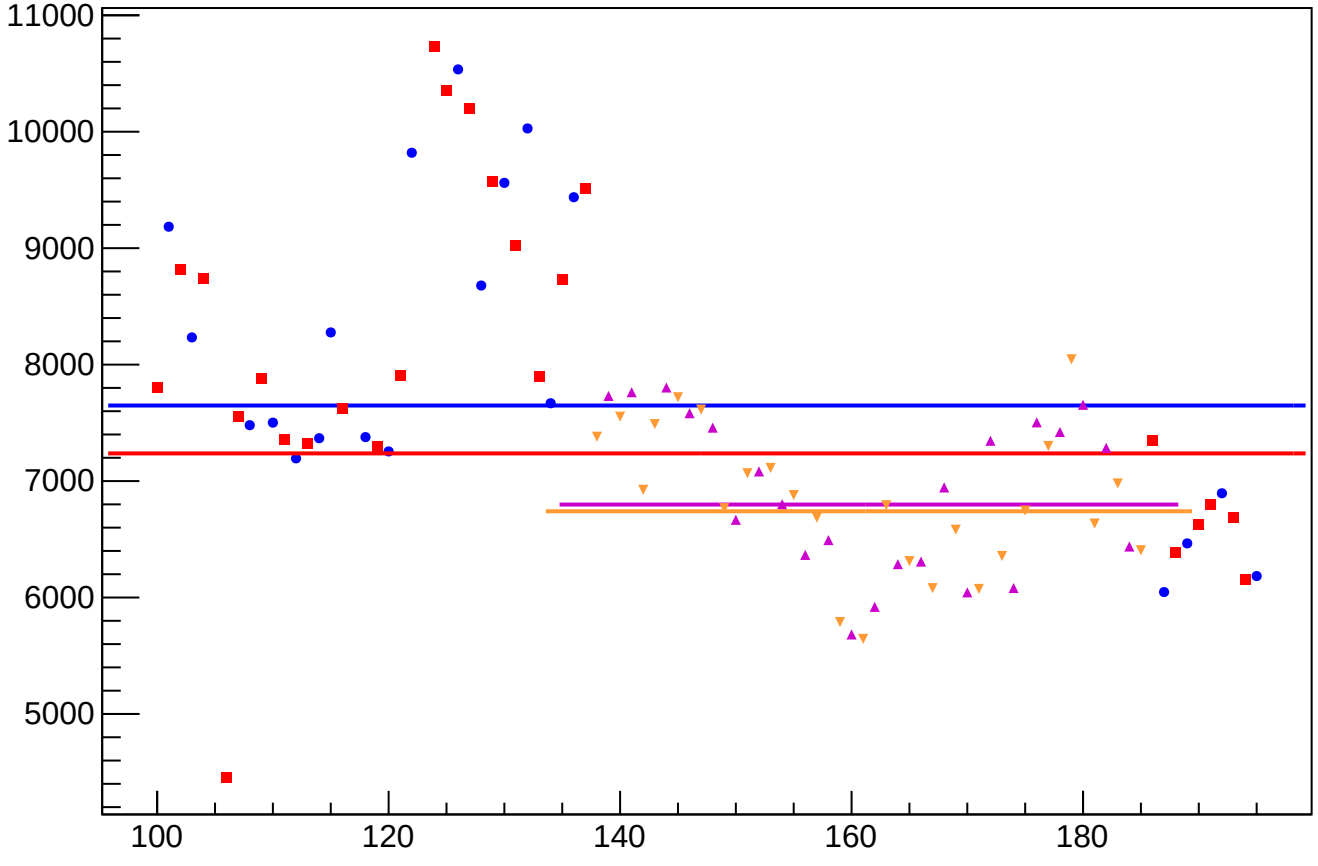
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -6.683+/-1.313 χ^2/NDF: 303.6/44

All: 2.040+/-0.923 χ^2/NDF: 611.6/92

- sign 10.572+/-1.298 χ^2/NDF: 220.6/47

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: 7237.600+/-1.562 χ^2/NDF: 760606.9/24

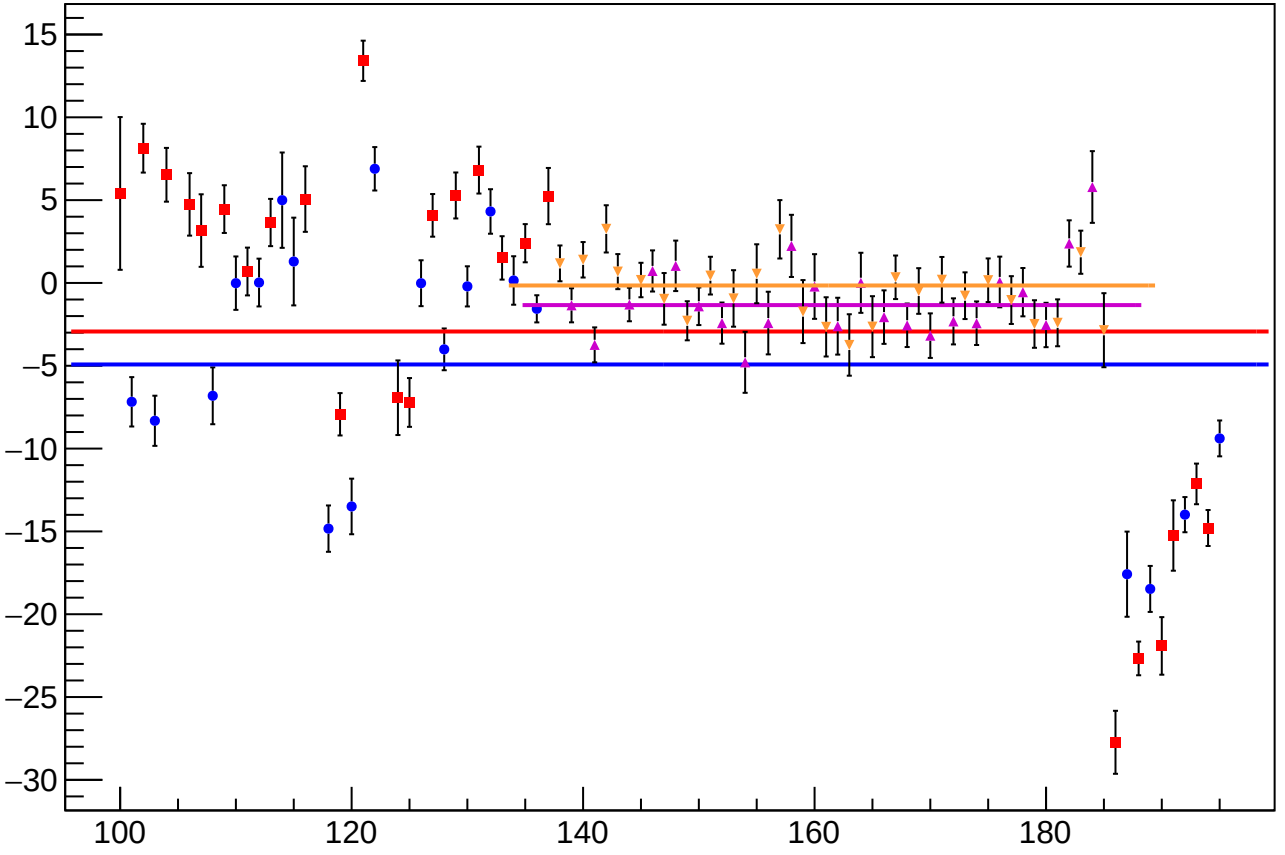
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6994.710+/-0.928 χ^2/NDF: 1012559.5/44

All: 6972.185+/-0.653 χ^2/NDF: 2179320.8/92

- sign 6950.150+/-0.918 χ^2/NDF: 1165596.4/47

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: -2.931+/-0.293 χ^2/NDF: 1439.4/24

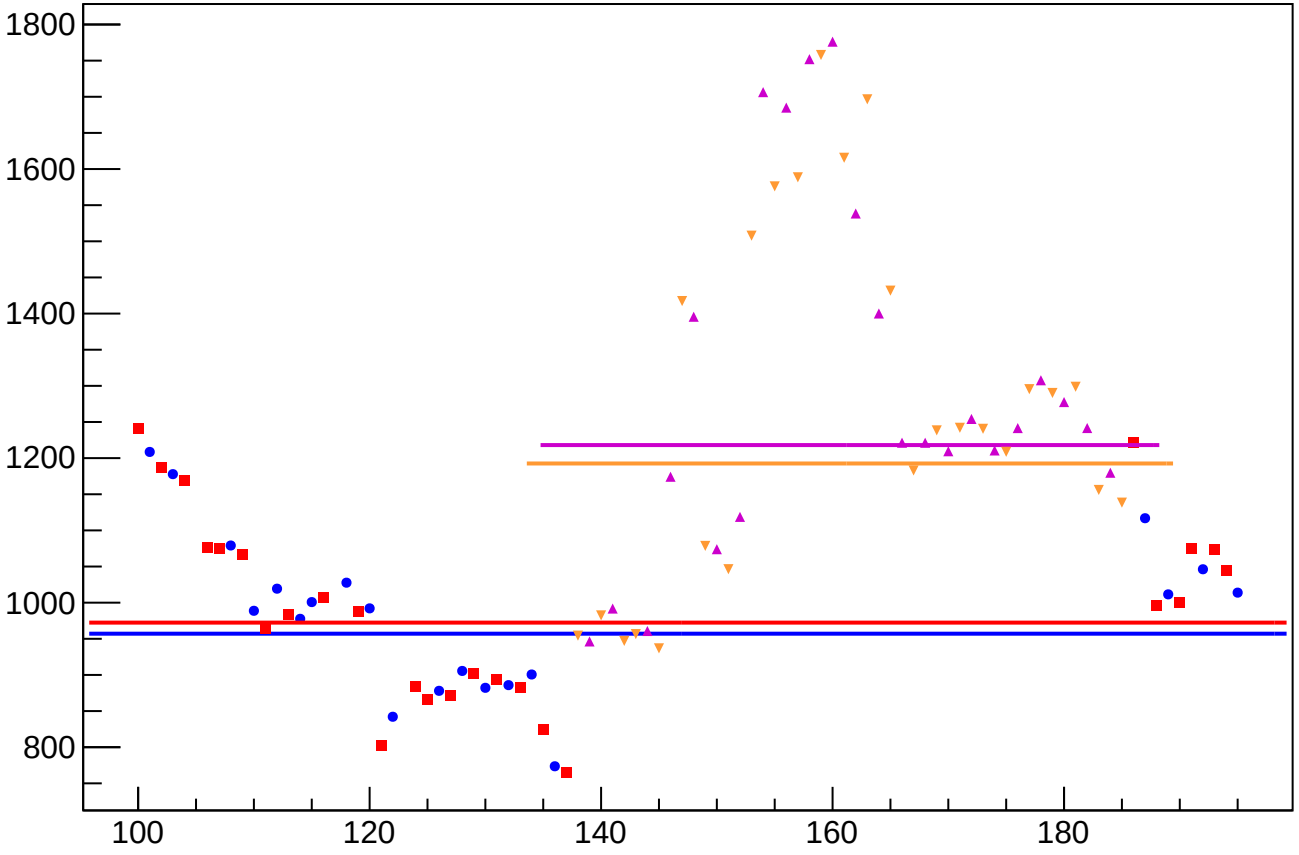
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.284+/-0.206 χ^2/NDF: 686.9/44

All: -2.205+/-0.146 χ^2/NDF: 2185.6/92

- sign -2.126+/-0.206 χ^2/NDF: 1498.3/47

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: 972.400+/-0.207 χ^2/NDF: 311012.8/24

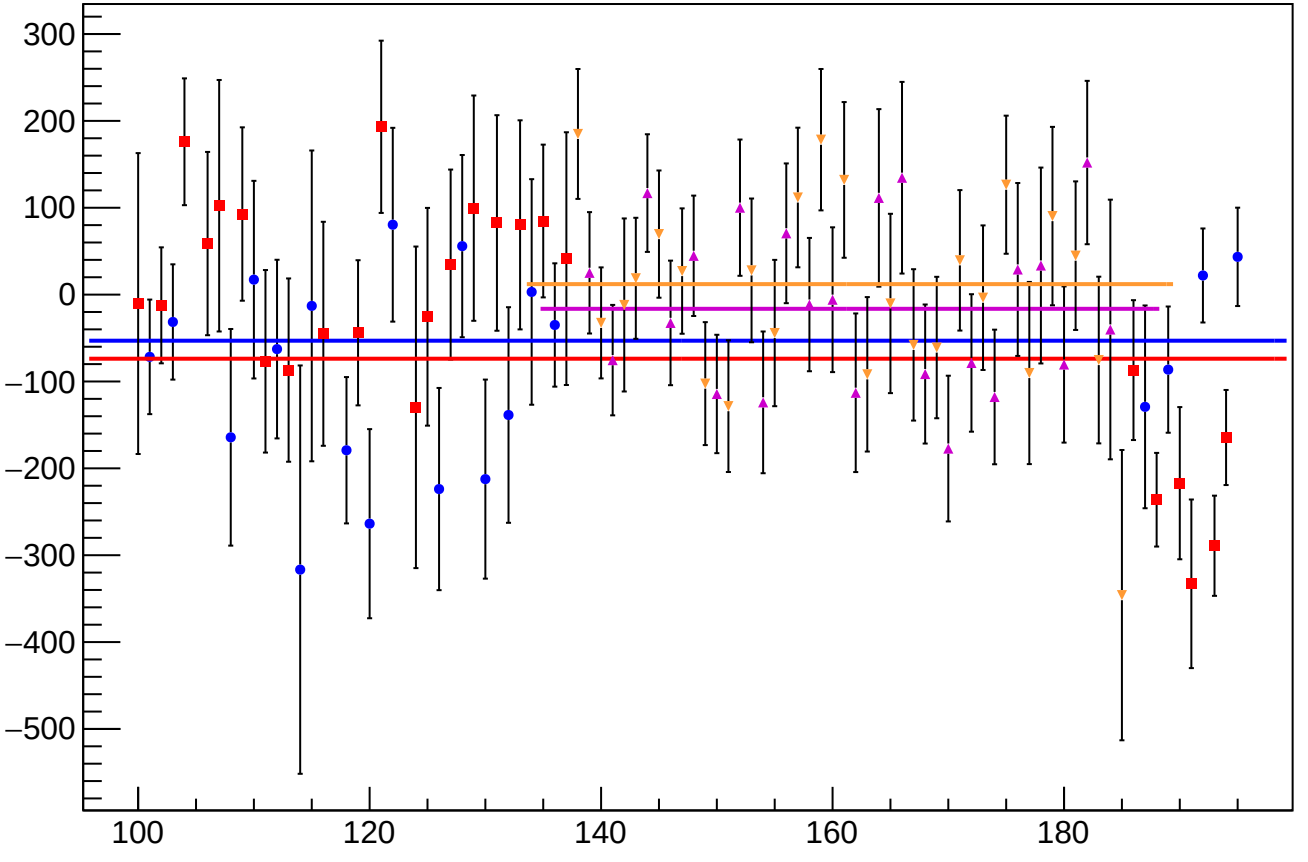
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1087.336+/-0.146 χ^2/NDF: 2260328.5/44

All: 1091.885+/-0.103 χ^2/NDF: 4410856.1/92

- sign 1096.453+/-0.146 χ^2/NDF: 2148568.7/47

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

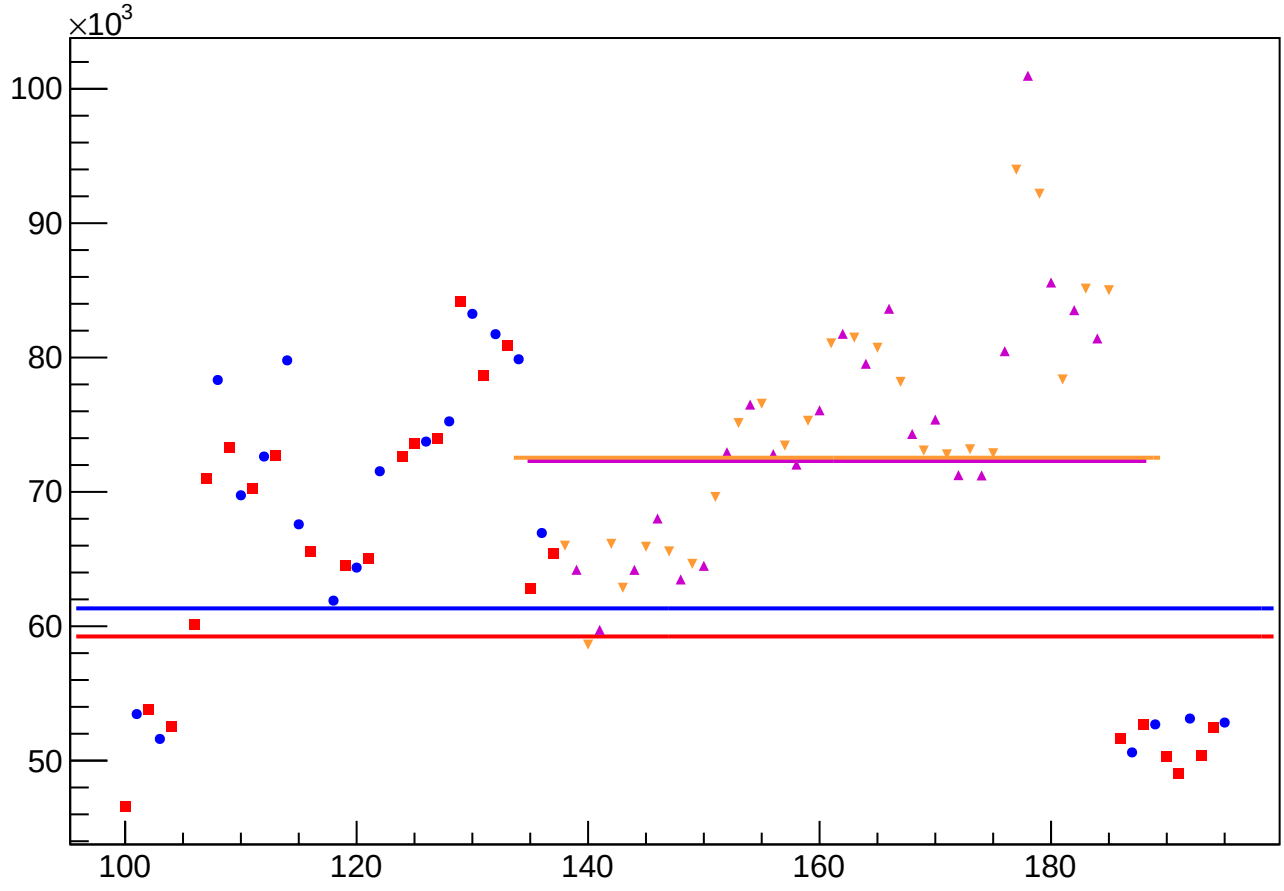
Right Out: -73.787+/-18.005 χ^2/NDF: 71.7/24

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -14.675+/-12.748 χ^2/NDF: 60.6/44

All: -29.495+/-8.877 χ^2/NDF: 168.9/92

- sign -43.445+/-12.368 χ^2/NDF: 105.8/47



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: 59240.161+/-12.732 χ^2/NDF: 603532.2/24

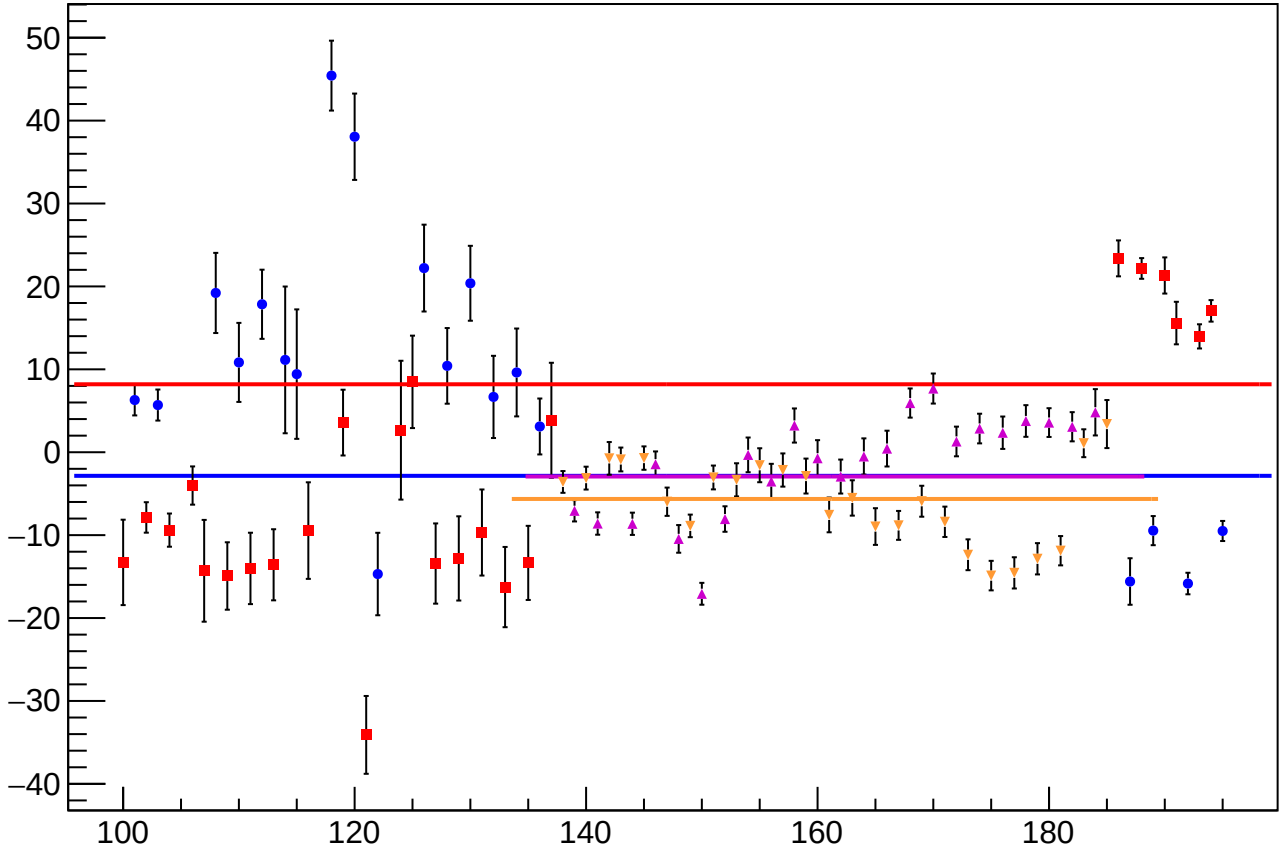
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

\+ sign 67937.880+/-9.014 χ^2/NDF: 1426001.3/44

All: 67010.833+/-6.277 χ^2/NDF: 3094654.8/9

\- sign 66138.280+/-8.745 χ^2/NDF: 1648122.1/47

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

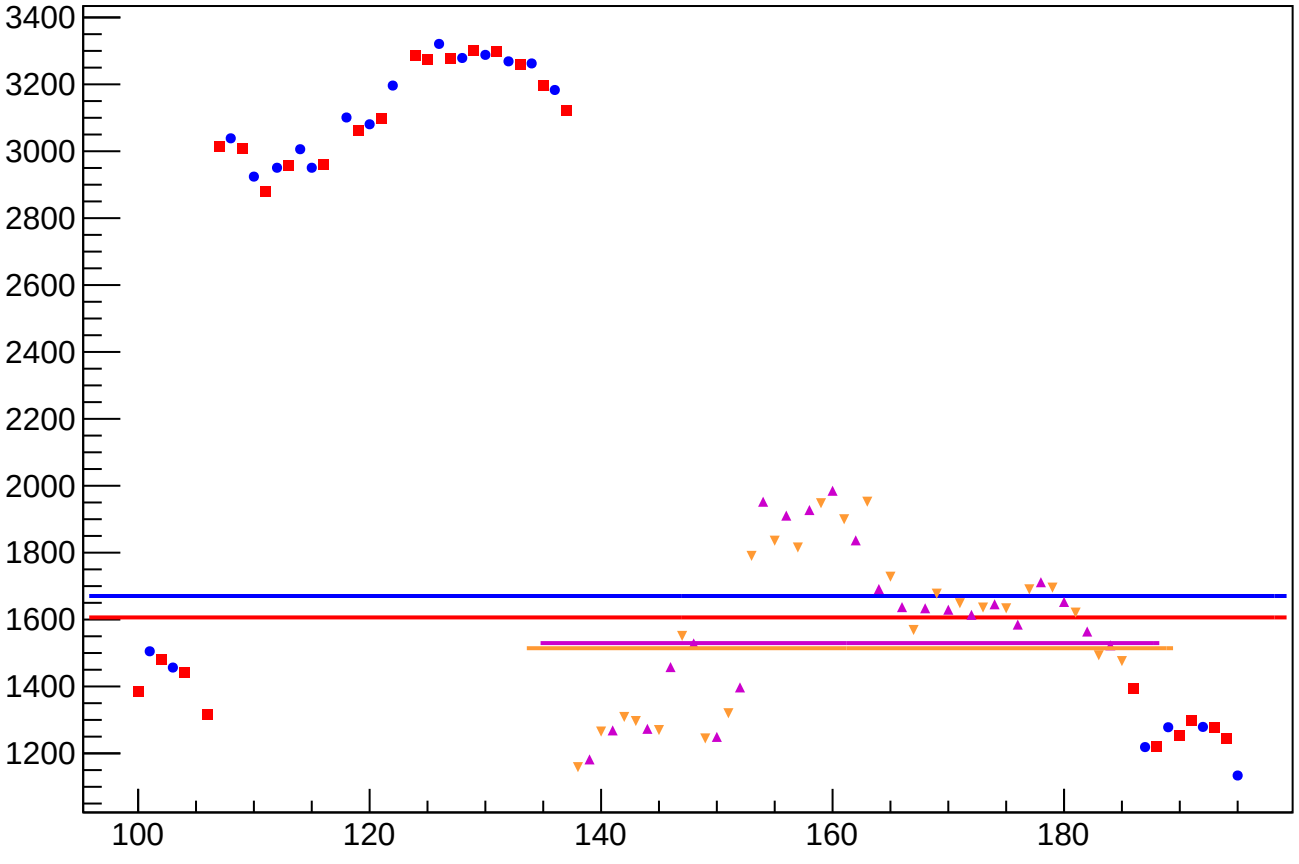
Right Out: 8.197+/-0.522 χ^2/NDF: 768.5/24

Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -4.907+/-0.300 χ^2/NDF: 732.1/44

All: -2.090+/-0.211 χ^2/NDF: 2319.2/92

- sign 0.684+/-0.298 χ^2/NDF: 1412.2/47



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: 1606.376+/-0.369 χ^2/NDF: 3417334.4/24

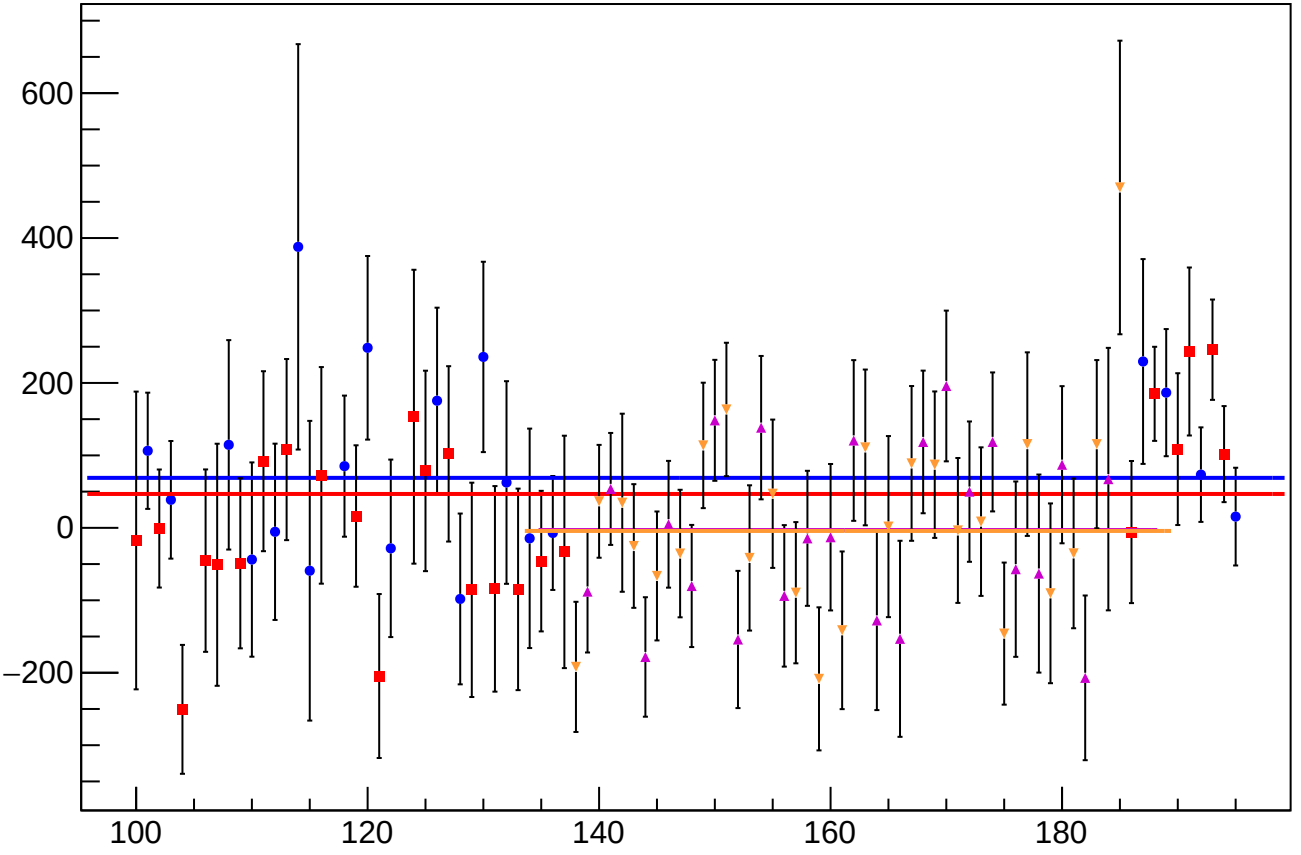
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1555.136+/-0.212 χ^2/NDF: 4450782.5/44

All: 1554.843+/-0.149 χ^2/NDF: 8725743.5/92

- sign 1554.554+/-0.211 χ^2/NDF: 4274957.2/47

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

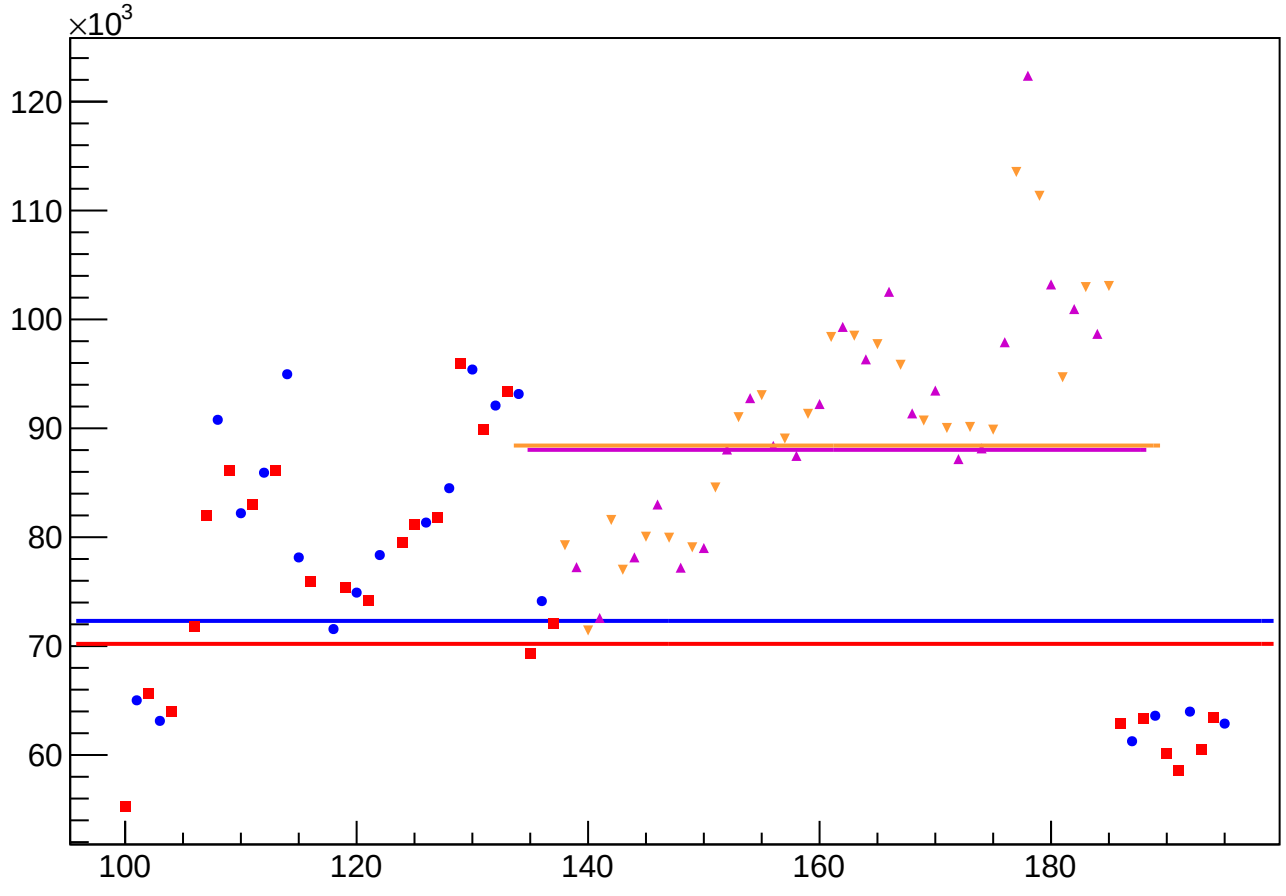
Right Out: 46.764+/-21.278 χ^2/NDF: 39.8/24

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 27.123+/-15.300 χ^2/NDF: 51.2/44

All: 24.078+/-10.654 χ^2/NDF: 124.7/92

- sign 21.213+/-14.844 χ^2/NDF: 73.4/47



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: 70205.040+/-15.046 χ^2/NDF: 460829.1/24

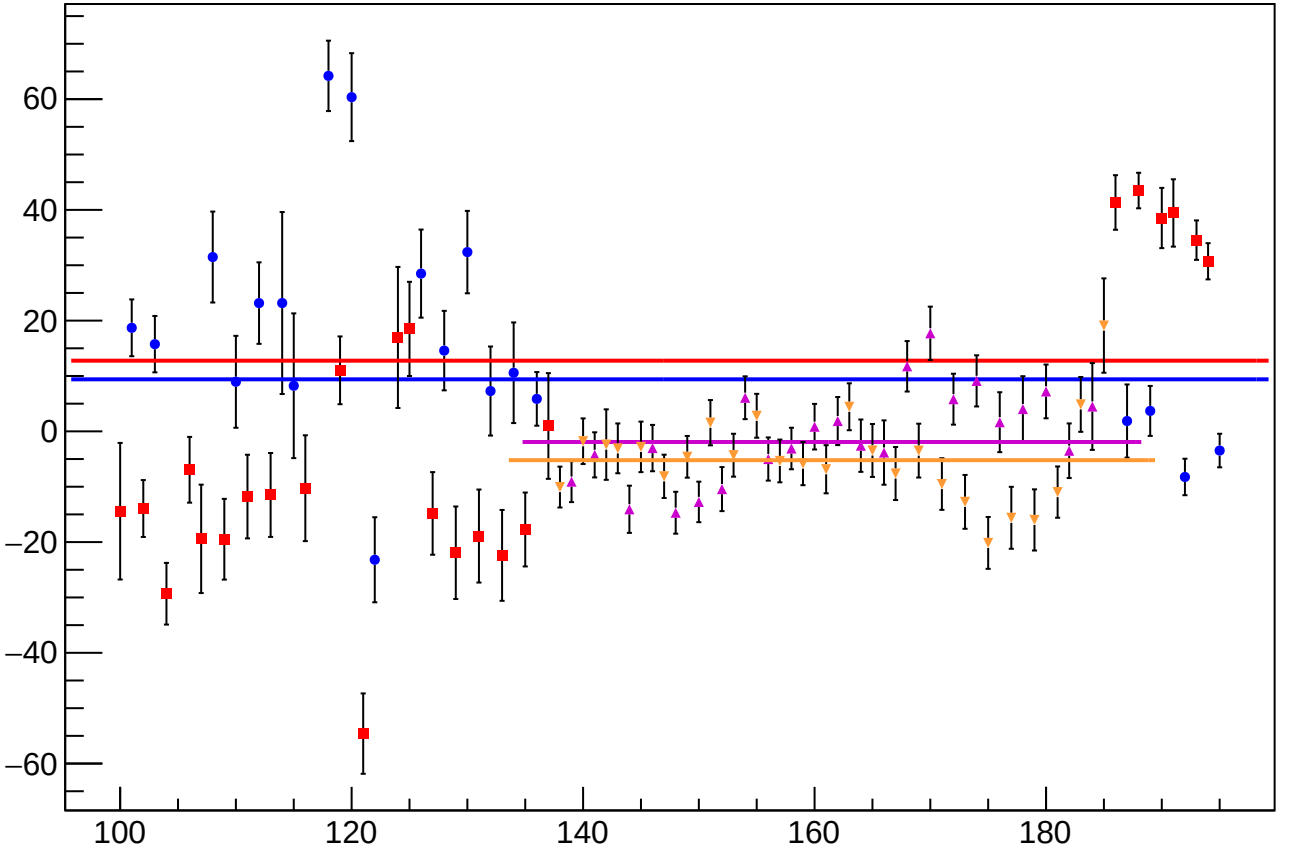
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 81516.926+/-10.819 χ^2/NDF: 1431311.8/44

All: 80401.209+/-7.534 χ^2/NDF: 3117512.3/9

- sign 79351.003+/-10.497 χ^2/NDF: 1665555.3/47

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

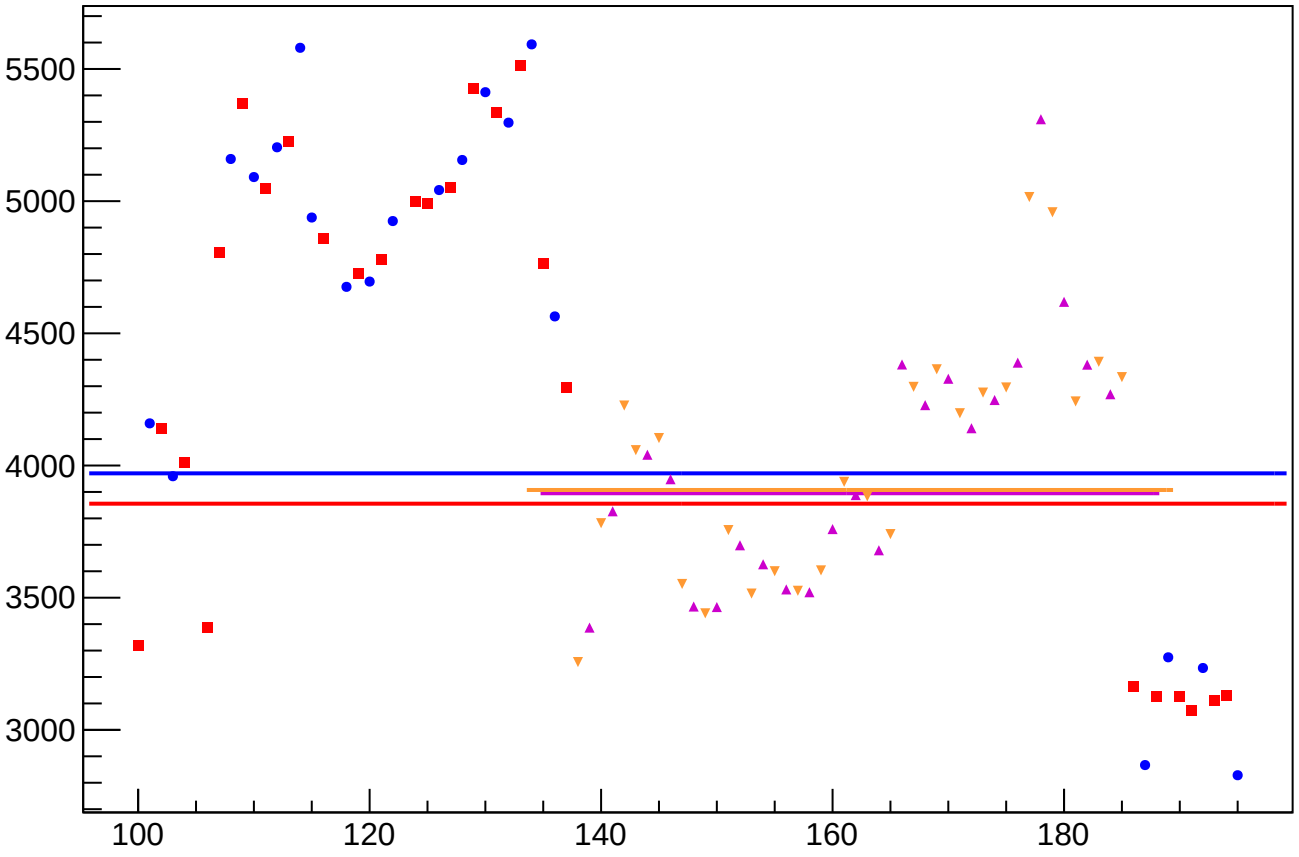
Right Out: 12.765+/-1.185 χ^2/NDF: 564.2/24

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.539+/-0.737 χ^2/NDF: 352.1/44

All: 1.552+/-0.517 χ^2/NDF: 1111.5/92

- sign 3.572+/-0.725 χ^2/NDF: 743.5/47



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: 3855.629+/-0.838 χ^2/NDF: 1095297.2/24

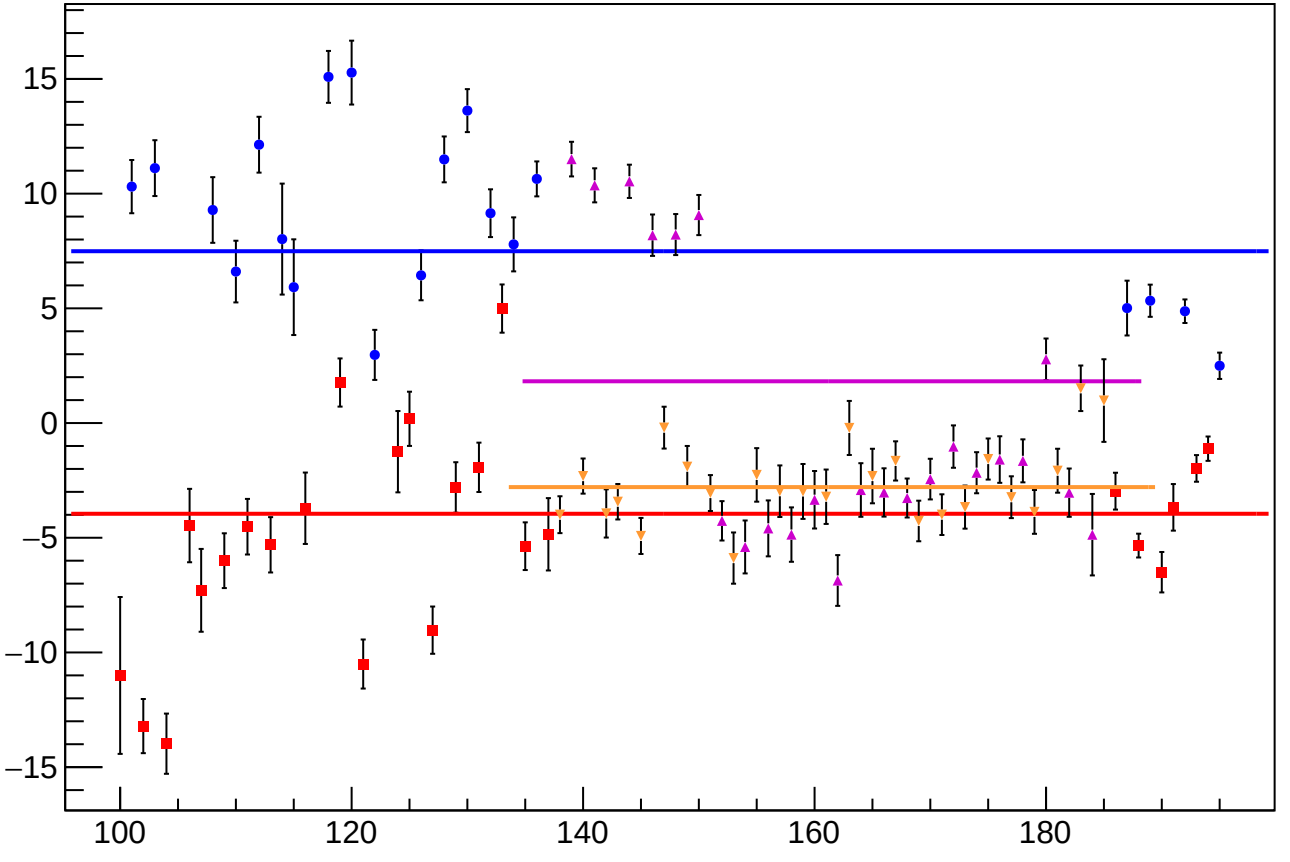
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3927.574+/-0.521 χ^2/NDF: 1485307.3/44

All: 3903.554+/-0.366 χ^2/NDF: 2996082.1/92

- sign 3880.337+/-0.513 χ^2/NDF: 1506600.2/47

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: -3.955+/-0.195 χ^2/NDF: 374.6/24

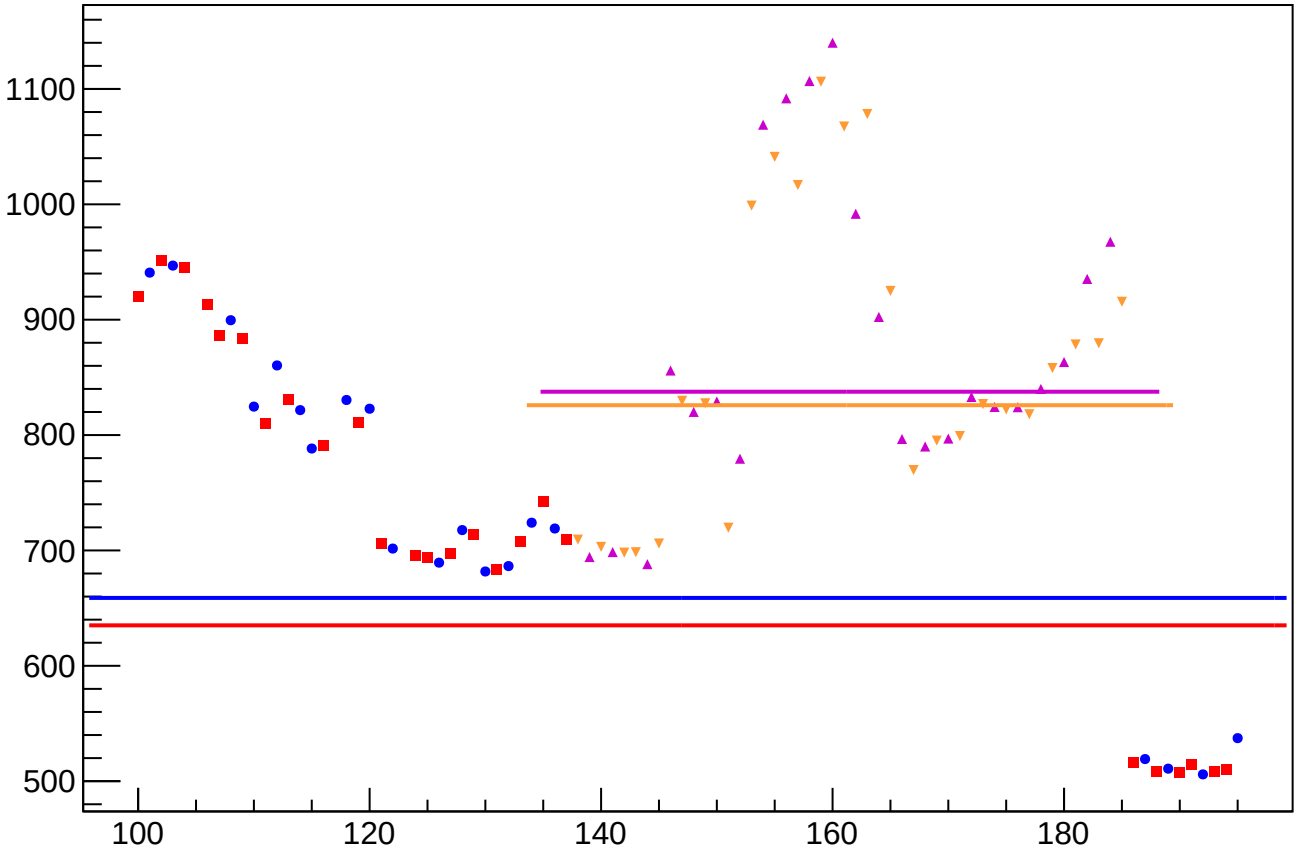
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.714+/-0.142 χ^2/NDF: 1671.4/44

All: 0.265+/-0.099 χ^2/NDF: 3705.1/92

- sign -1.113+/-0.139 χ^2/NDF: 1832.0/47

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: 635.076+/-0.138 χ^2/NDF: 1138492.9/24

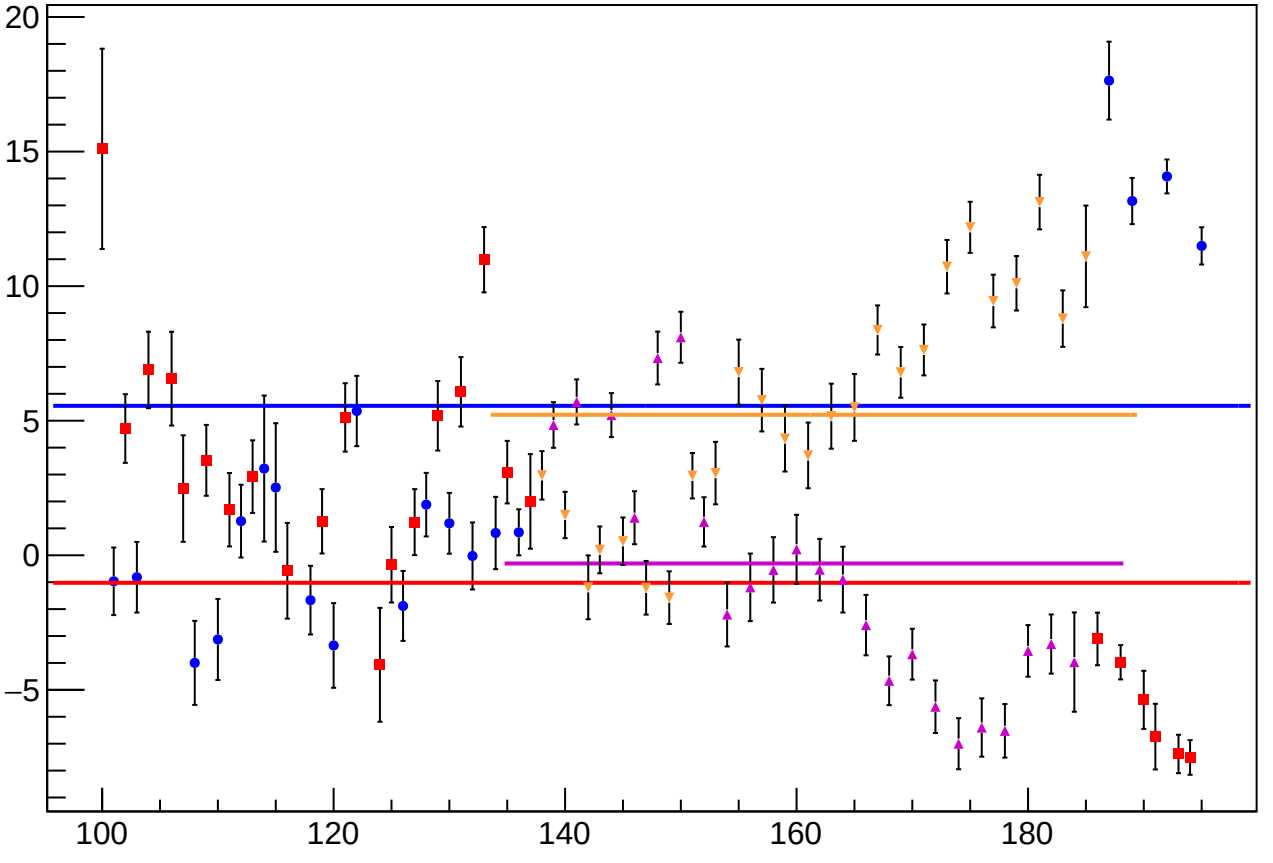
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 752.686+/-0.101 χ^2/NDF: 2320895.8/44

All: 743.477+/-0.070 χ^2/NDF: 5250629.8/92

- sign 734.709+/-0.098 χ^2/NDF: 2913419.7/47

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: -1.022+/-0.231 χ^2/NDF: 560.7/24

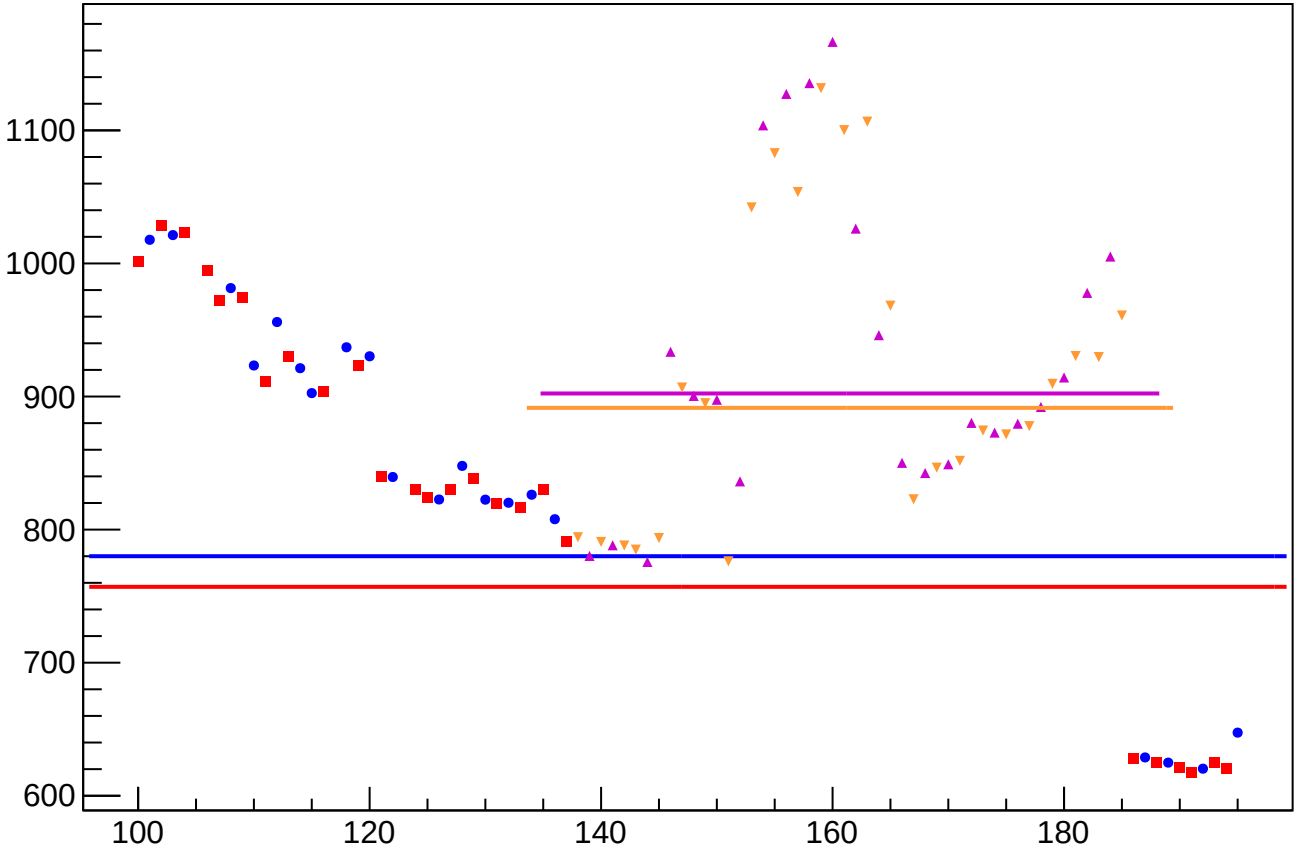
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.351+/-0.159 χ^2/NDF: 1174.0/44

All: 2.308+/-0.111 χ^2/NDF: 2955.8/92

- sign -0.634+/-0.156 χ^2/NDF: 1061.2/47

diff_bpm2i01Y_rms vs Slug



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: 757.006+/-0.163 χ^2/NDF: 781619.2/24

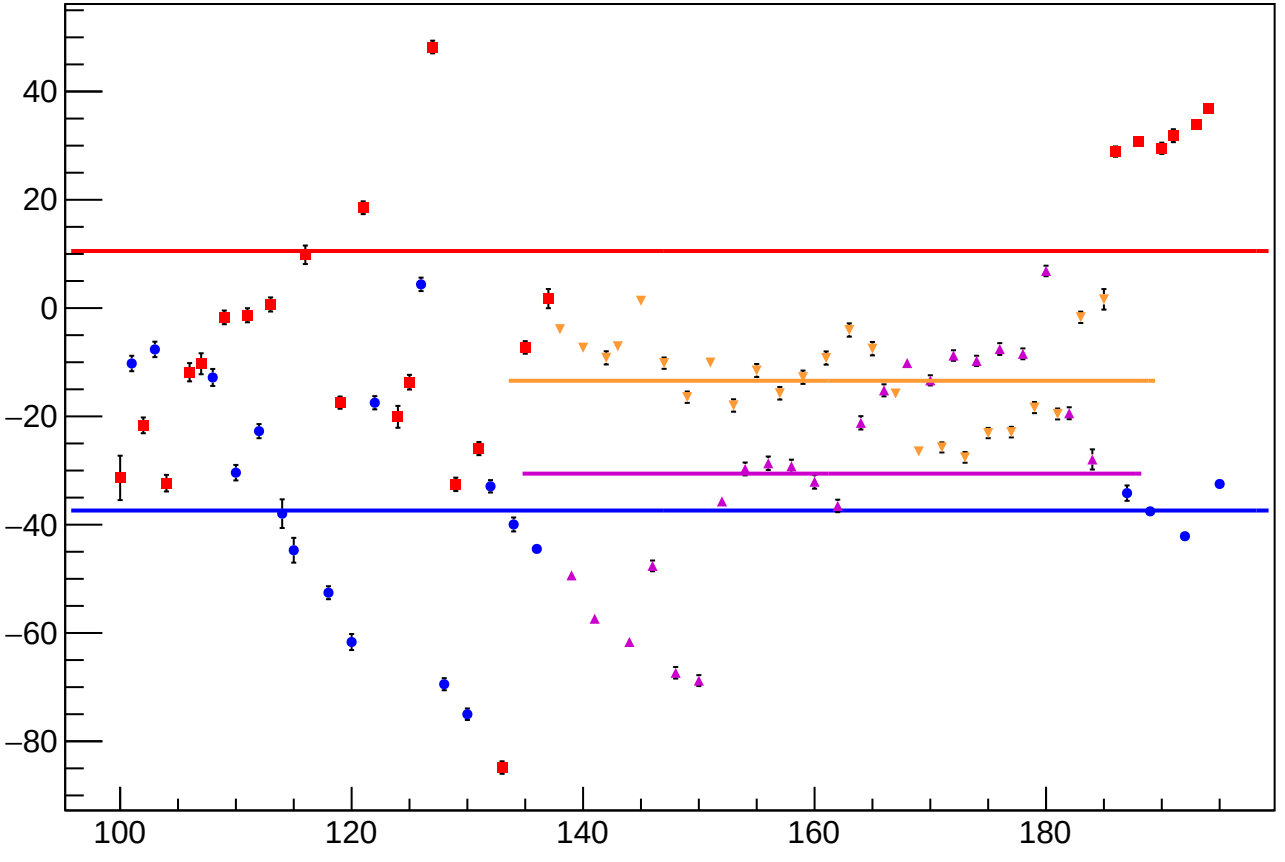
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 847.448+/-0.112 χ^2/NDF: 1348319.2/44

All: 841.379+/-0.079 χ^2/NDF: 3049684.0/92

- sign 835.510+/-0.111 χ^2/NDF: 1695630.6/47

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: 10.541+/-0.224 χ^2/NDF: 18314.0/24

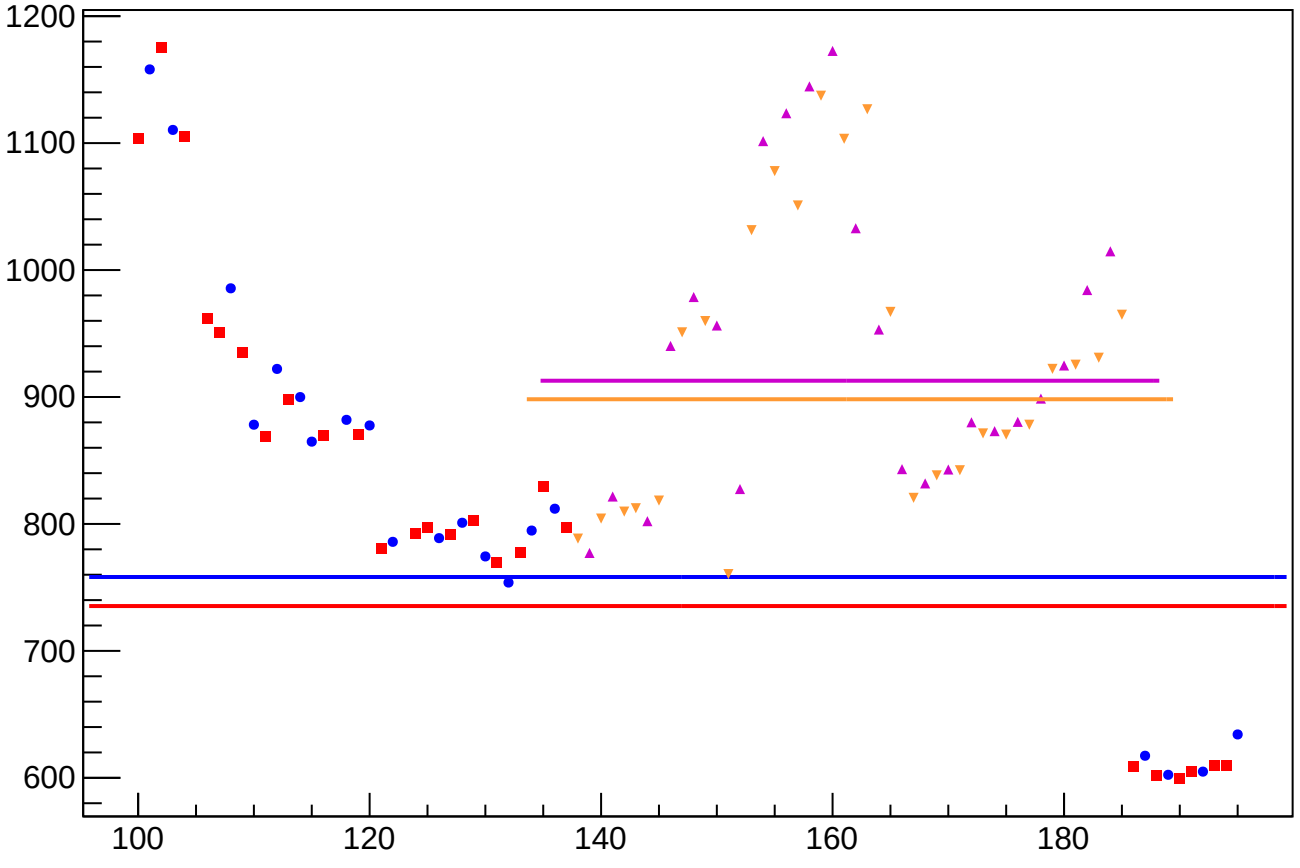
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -23.271+/-0.158 χ^2/NDF: 12531.2/44

All: -16.971+/-0.111 χ^2/NDF: 61834.5/92

- sign -10.886+/-0.155 χ^2/NDF: 46180.3/47

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: 735.321+/-0.159 χ^2/NDF: 889922.0/24

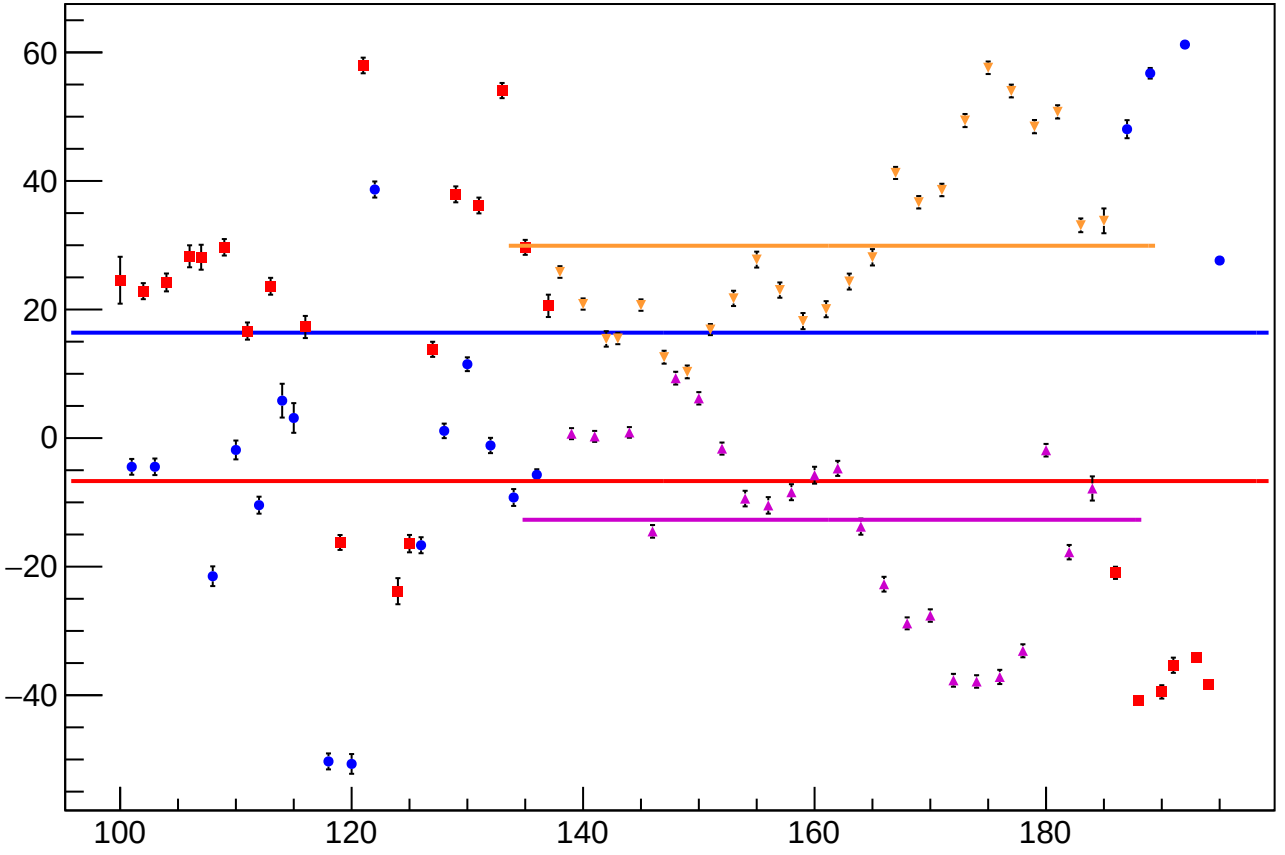
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 840.671+/-0.112 χ^2/NDF: 1606403.3/44

All: 834.139+/-0.078 χ^2/NDF: 3634671.2/92

- sign 827.830+/-0.110 χ^2/NDF: 2021553.2/47

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: -6.687+/-0.223 χ^2/NDF: 22496.3/24

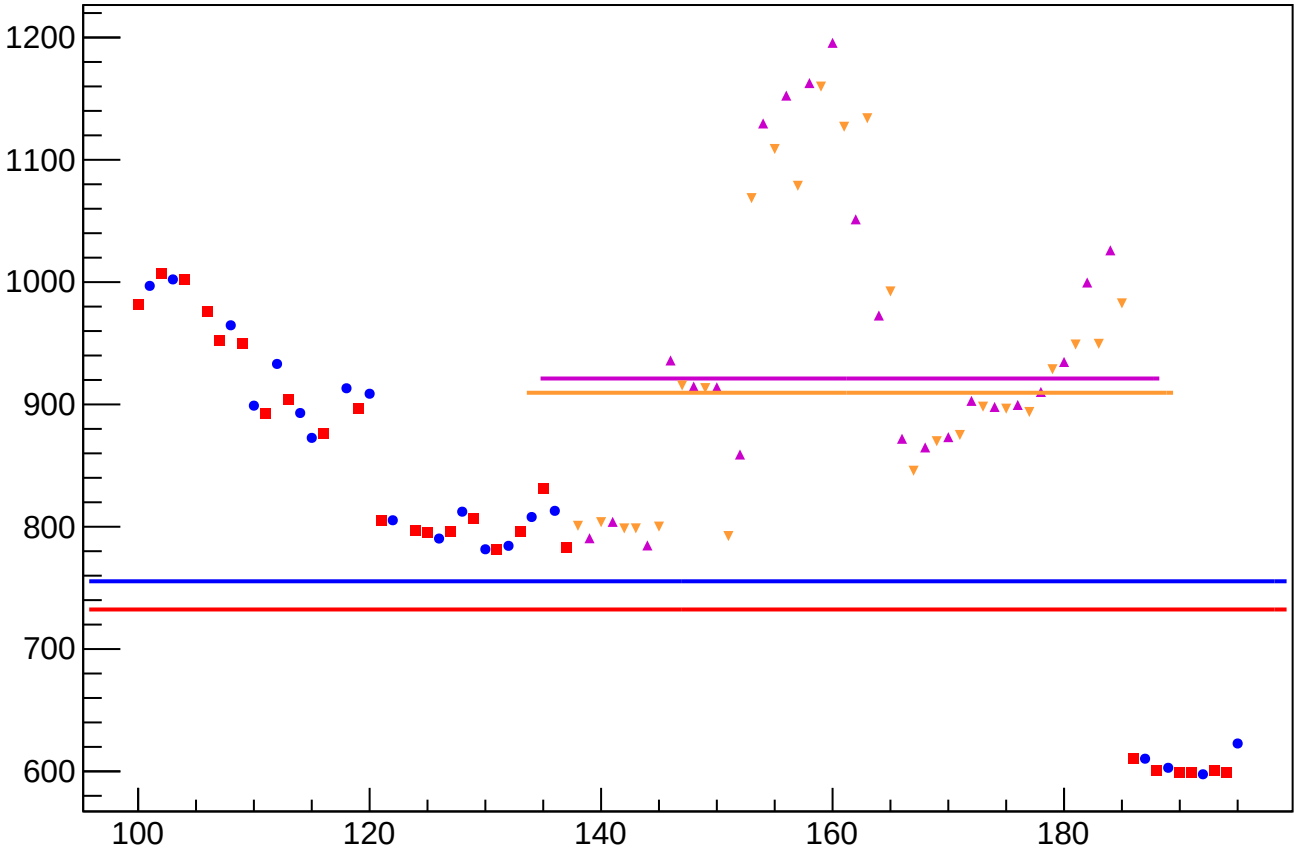
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 24.243+/-0.159 χ^2/NDF: 24020.4/44

All: 6.885+/-0.111 χ^2/NDF: 75088.7/92

\- sign -9.781+/-0.156 χ^2/NDF: 27661.3/47

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: 732.348+/-0.158 χ^2/NDF: 822687.9/24

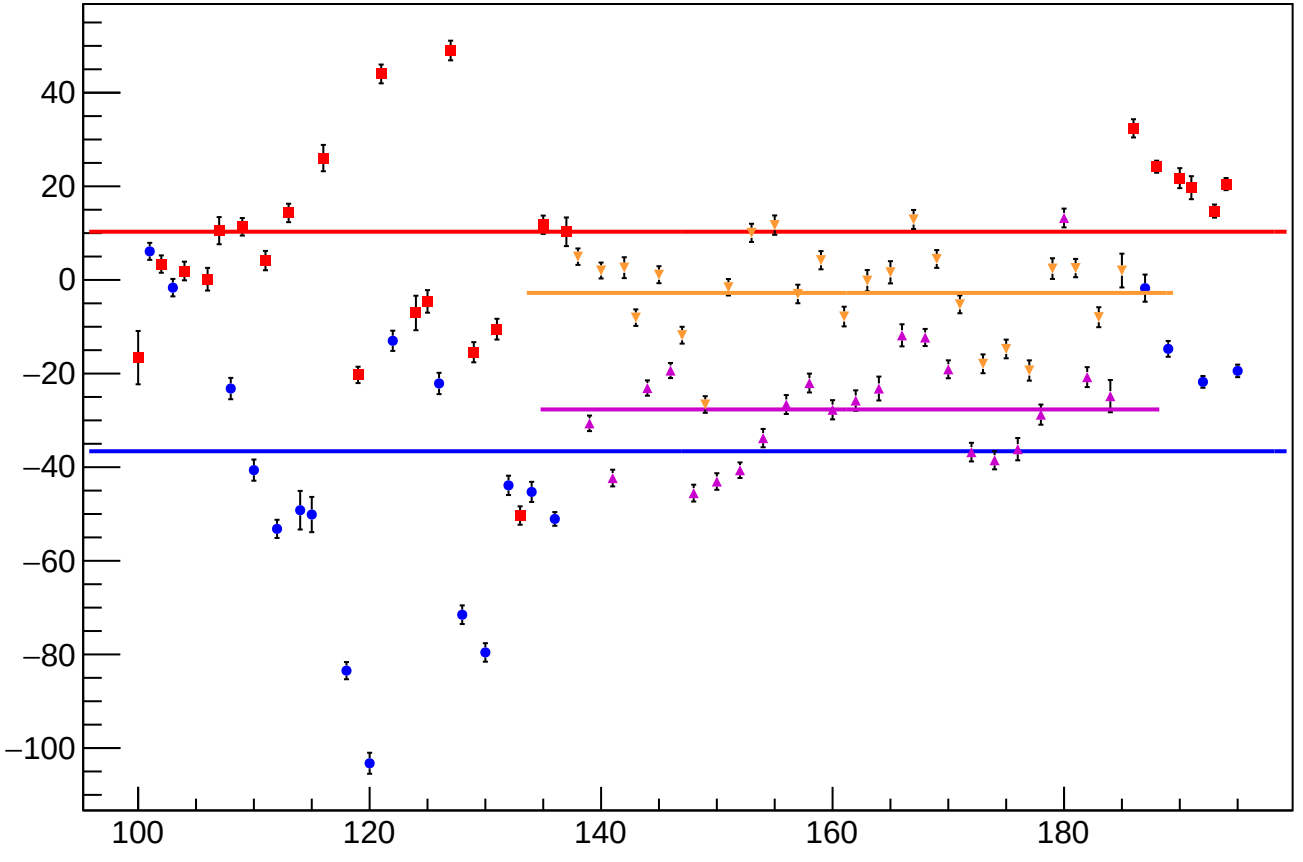
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 844.827+/-0.112 χ^2/NDF: 1635047.9/44

All: 836.950+/-0.079 χ^2/NDF: 3700256.8/92

- sign 829.388+/-0.110 χ^2/NDF: 2055569.9/47

diff_bpm0i02X_mean vs Slug



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: 10.304+/-0.401 χ^2/NDF: 2644.9/24

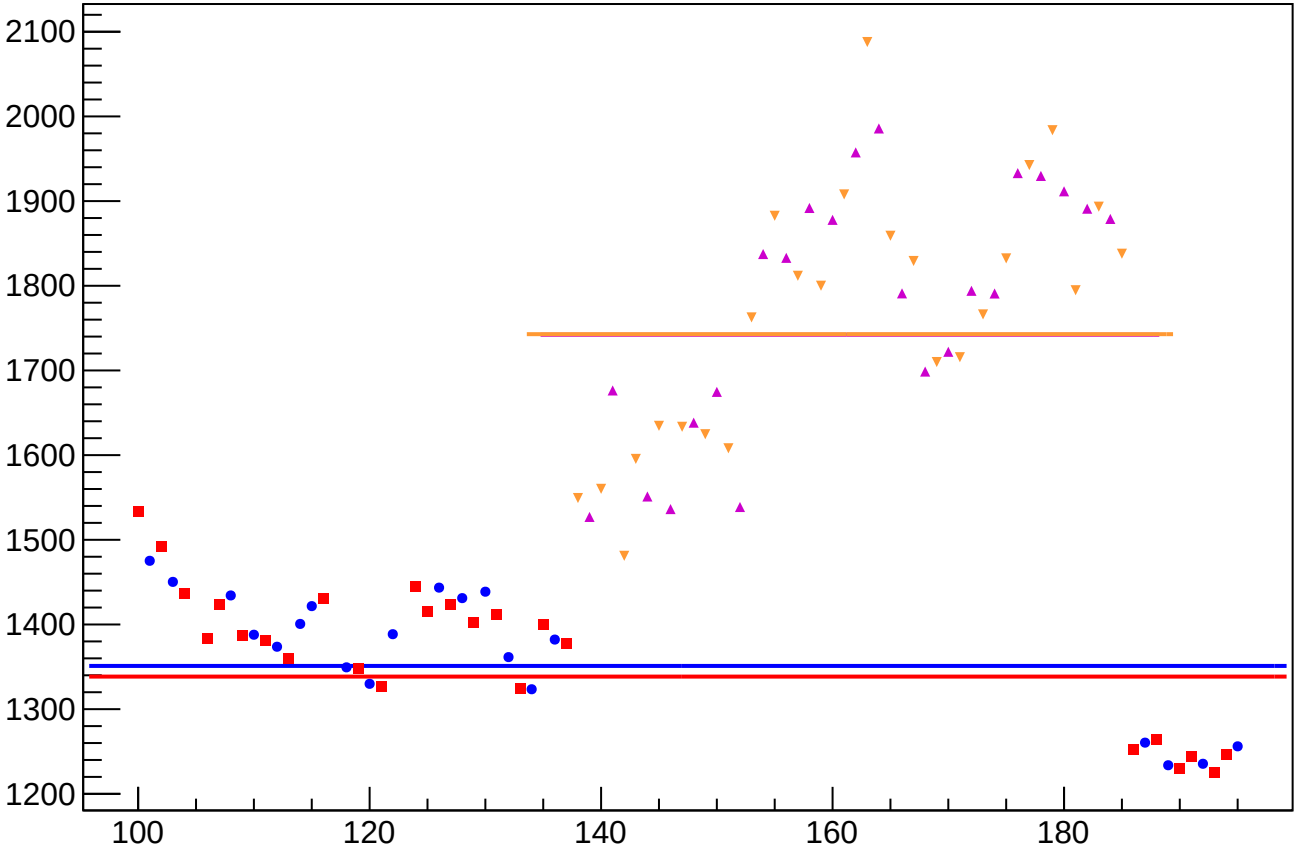
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.275+/-0.292 χ^2/NDF: 8185.4/44

All: -13.192+/-0.205 χ^2/NDF: 16807.4/92

\- sign -8.322+/-0.286 χ^2/NDF: 8030.4/47

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: 1338.467+/-0.284 χ^2/NDF: 83482.6/24

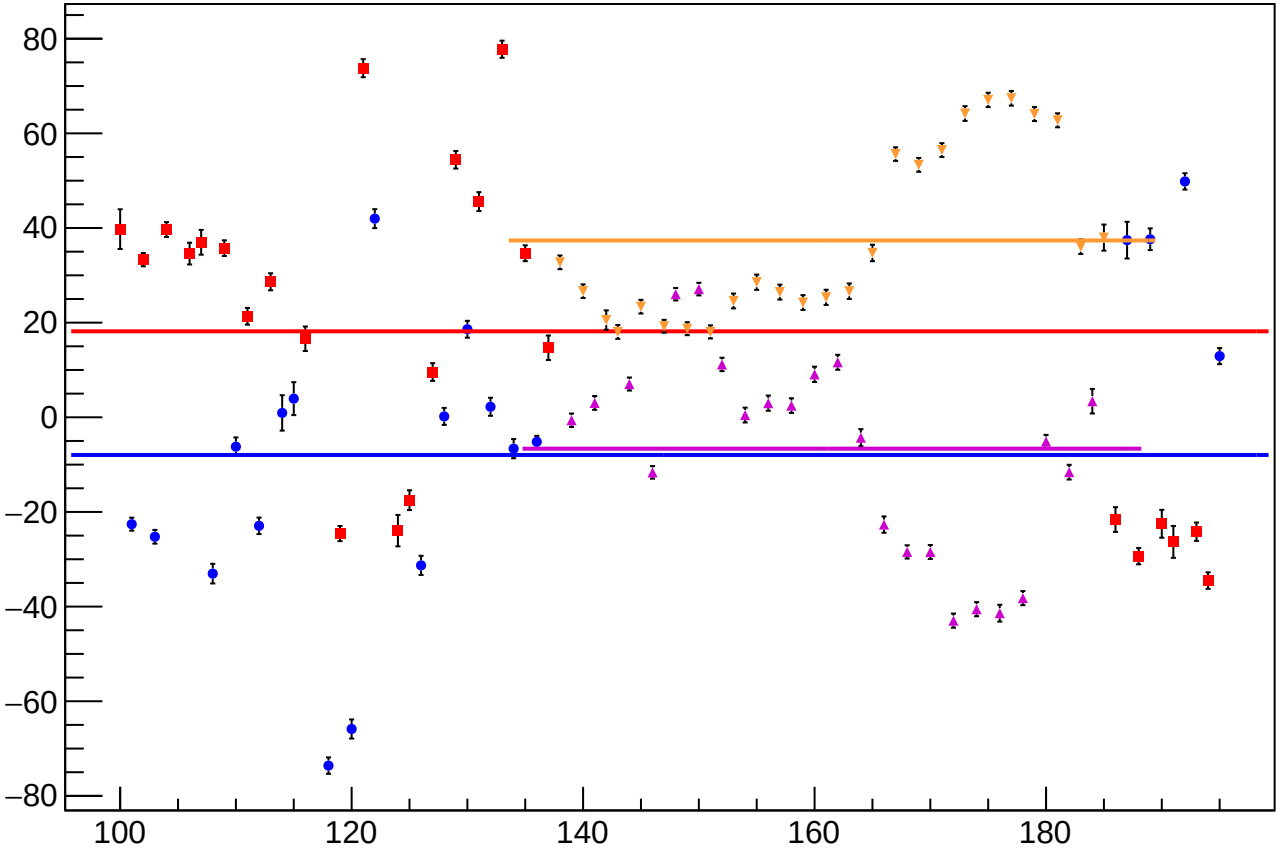
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1563.238+/-0.207 χ^2/NDF: 1224725.8/44

All: 1549.588+/-0.145 χ^2/NDF: 2572208.3/92

- sign 1536.509+/-0.202 χ^2/NDF: 1338951.3/47

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: 18.172+/-0.397 χ^2/NDF: 7106.4/24

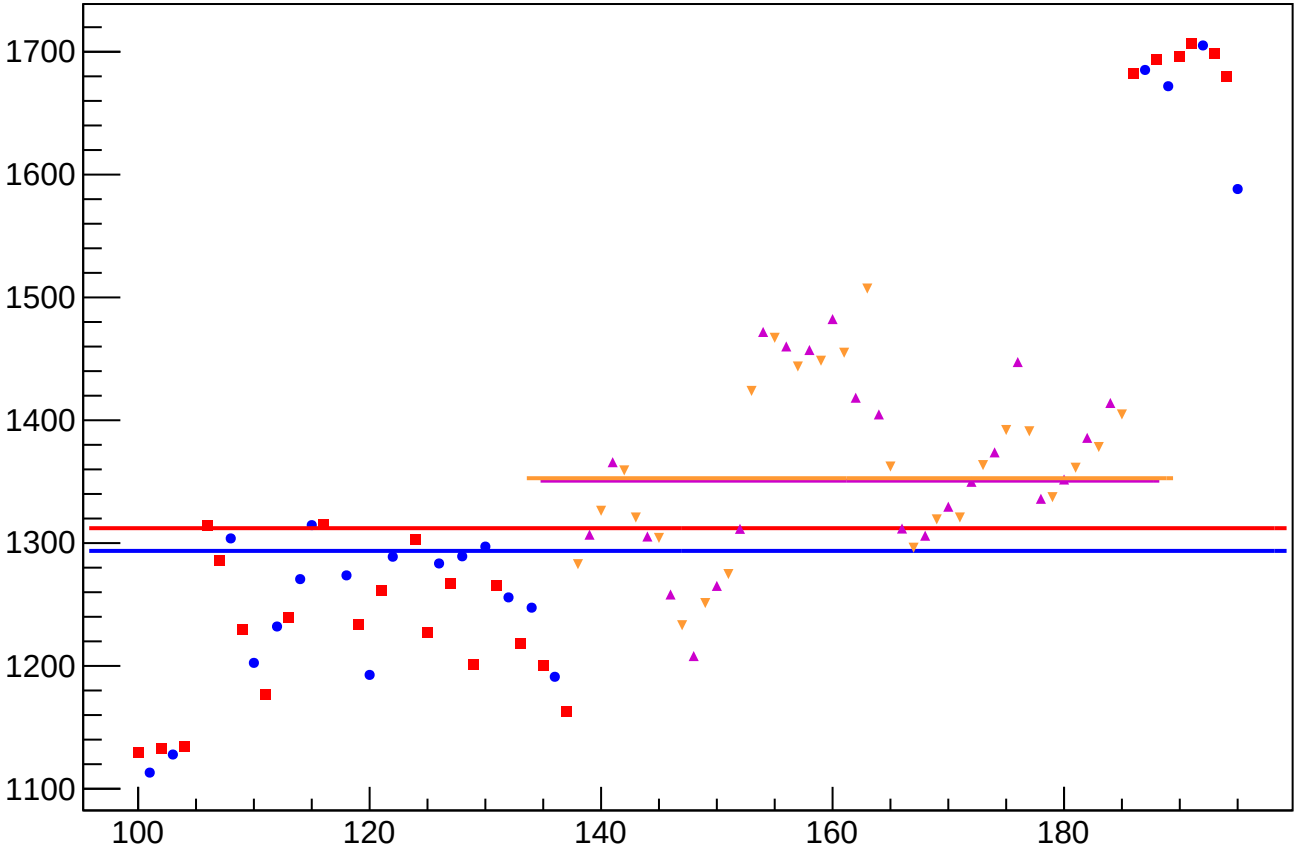
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 21.358+/-0.248 χ^2/NDF: 16631.5/44

All: 12.162+/-0.175 χ^2/NDF: 33292.1/92

- sign 2.990+/-0.247 χ^2/NDF: 13905.4/47

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: 1312.139+/-0.281 χ^2/NDF: 488848.0/24

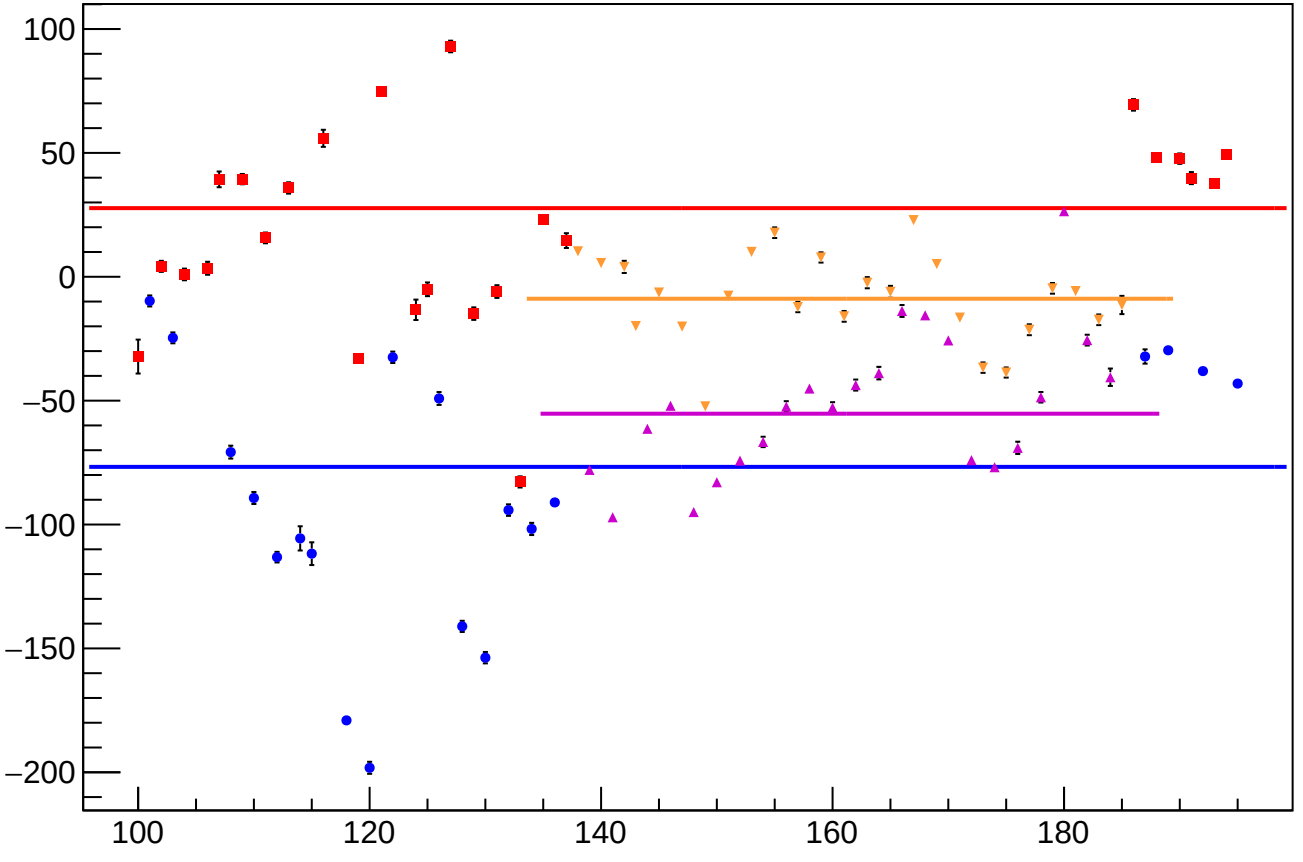
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1331.917+/-0.175 χ^2/NDF: 467080.9/44

All: 1333.872+/-0.124 χ^2/NDF: 1076420.8/92

- sign 1335.822+/-0.175 χ^2/NDF: 609090.9/47

diff_bpm0i02aX_mean vs Slug



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: 27.709+/-0.432 χ^2/NDF: 6948.3/24

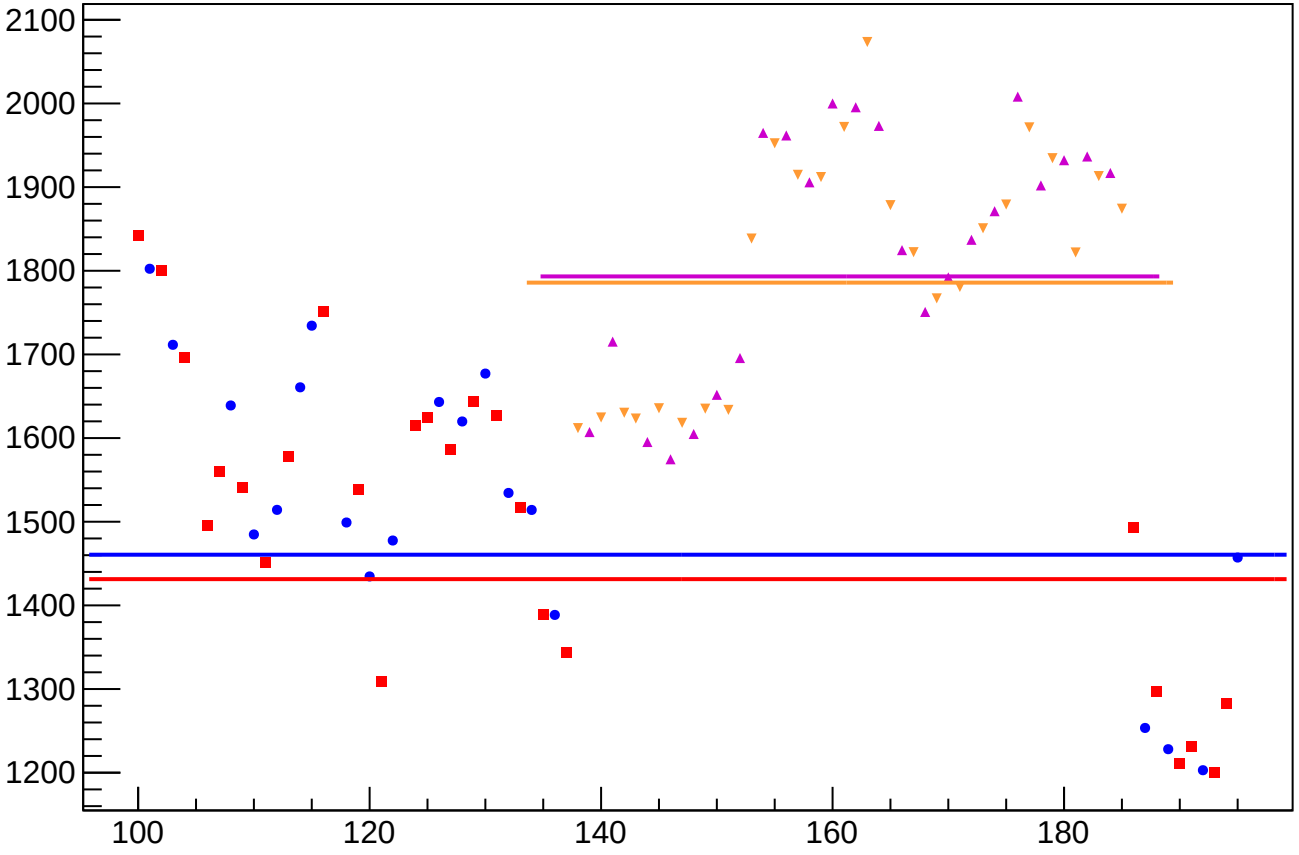
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.986+/-0.308 χ^2/NDF: 25943.6/44

All: -26.177+/-0.215 χ^2/NDF: 59477.4/92

- sign -14.859+/-0.301 χ^2/NDF: 30648.0/47

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: 1431.371+/-0.305 χ^2/NDF: 329579.6/24

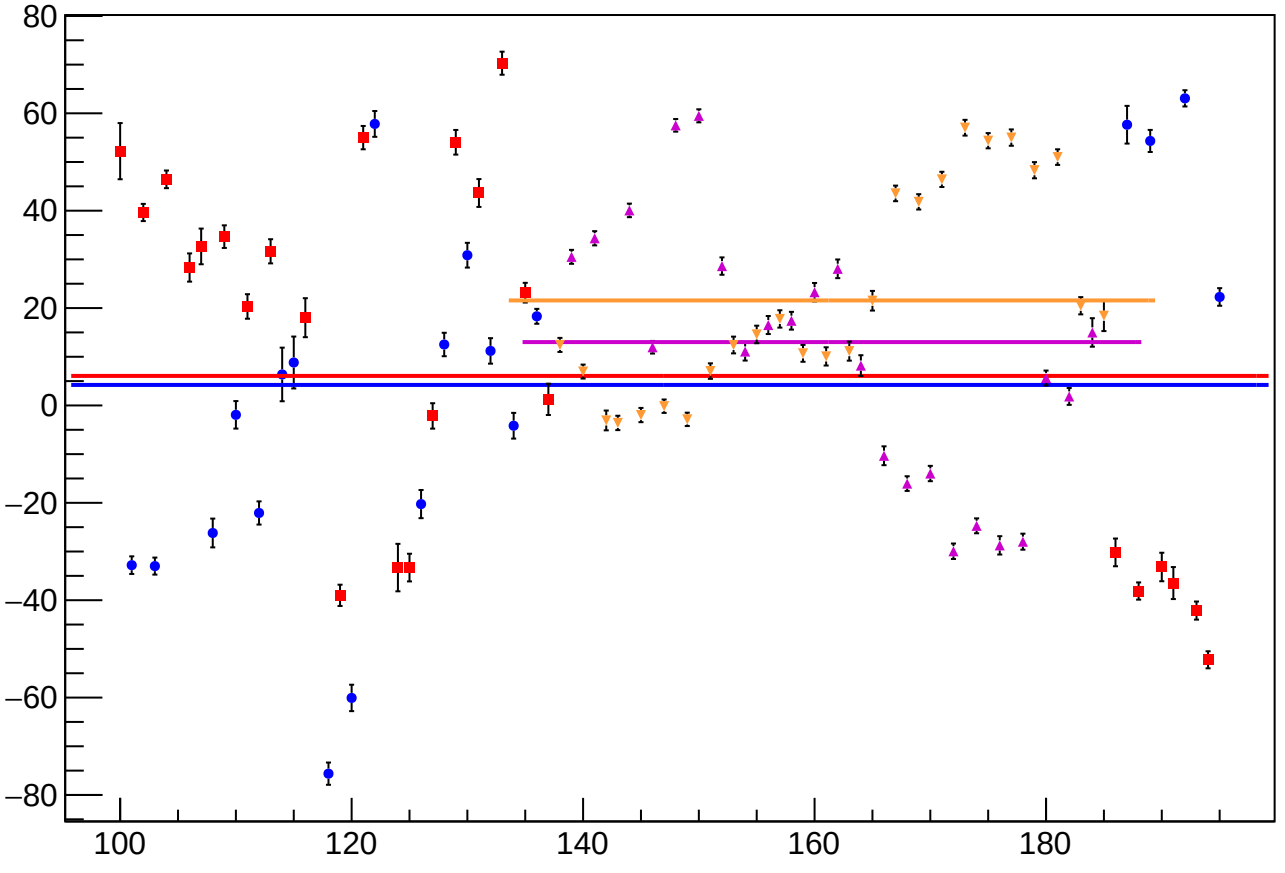
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1646.240+/-0.218 χ^2/NDF: 1063332.8/44

All: 1631.321+/-0.152 χ^2/NDF: 2376315.2/92

- sign 1617.022+/-0.213 χ^2/NDF: 1303770.0/47

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: 6.067+/-0.489 χ^2/NDF: 6692.1/24

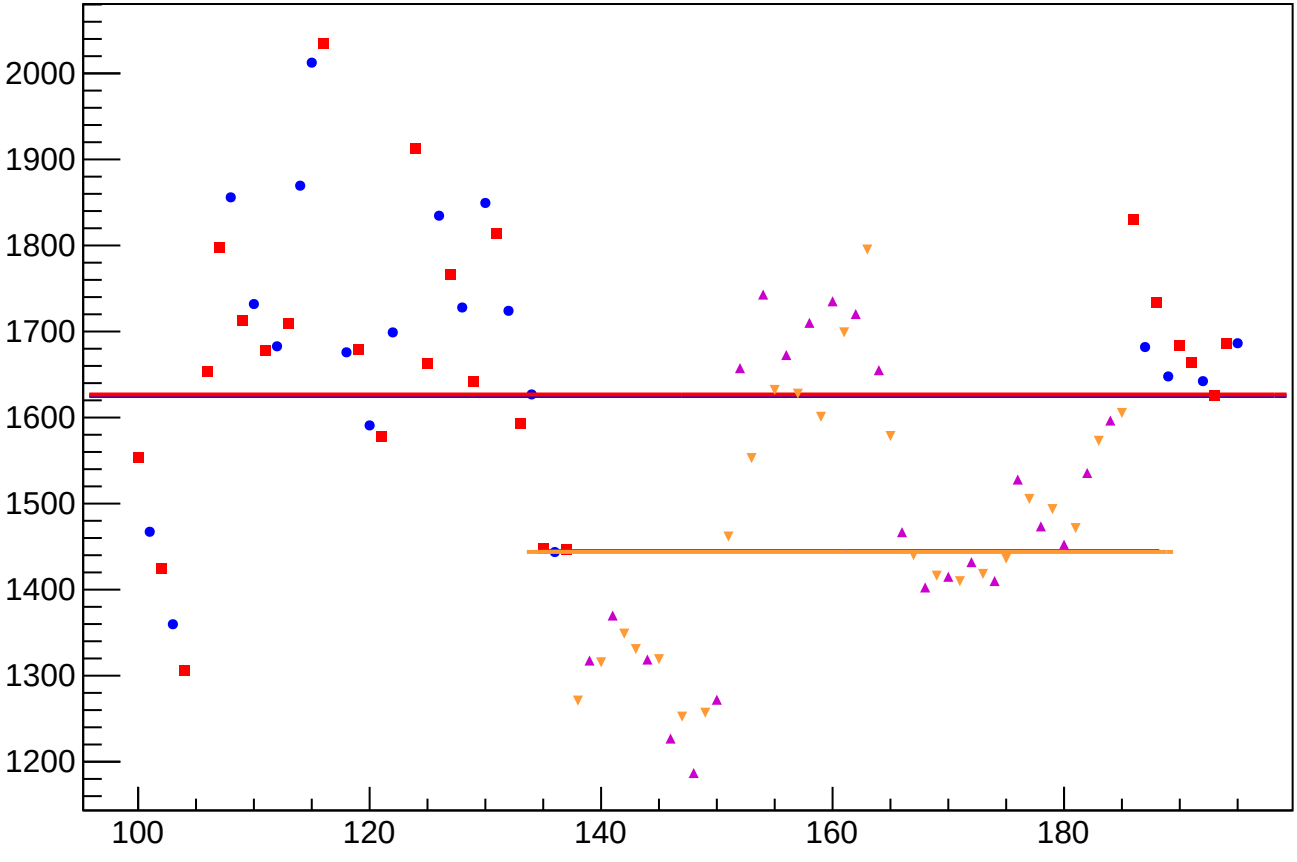
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.608+/-0.279 χ^2/NDF: 10566.5/44

All: 13.684+/-0.197 χ^2/NDF: 24242.0/92

- sign 10.752+/-0.279 χ^2/NDF: 13455.3/47

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: 1626.780+/-0.346 χ^2/NDF: 186882.9/24

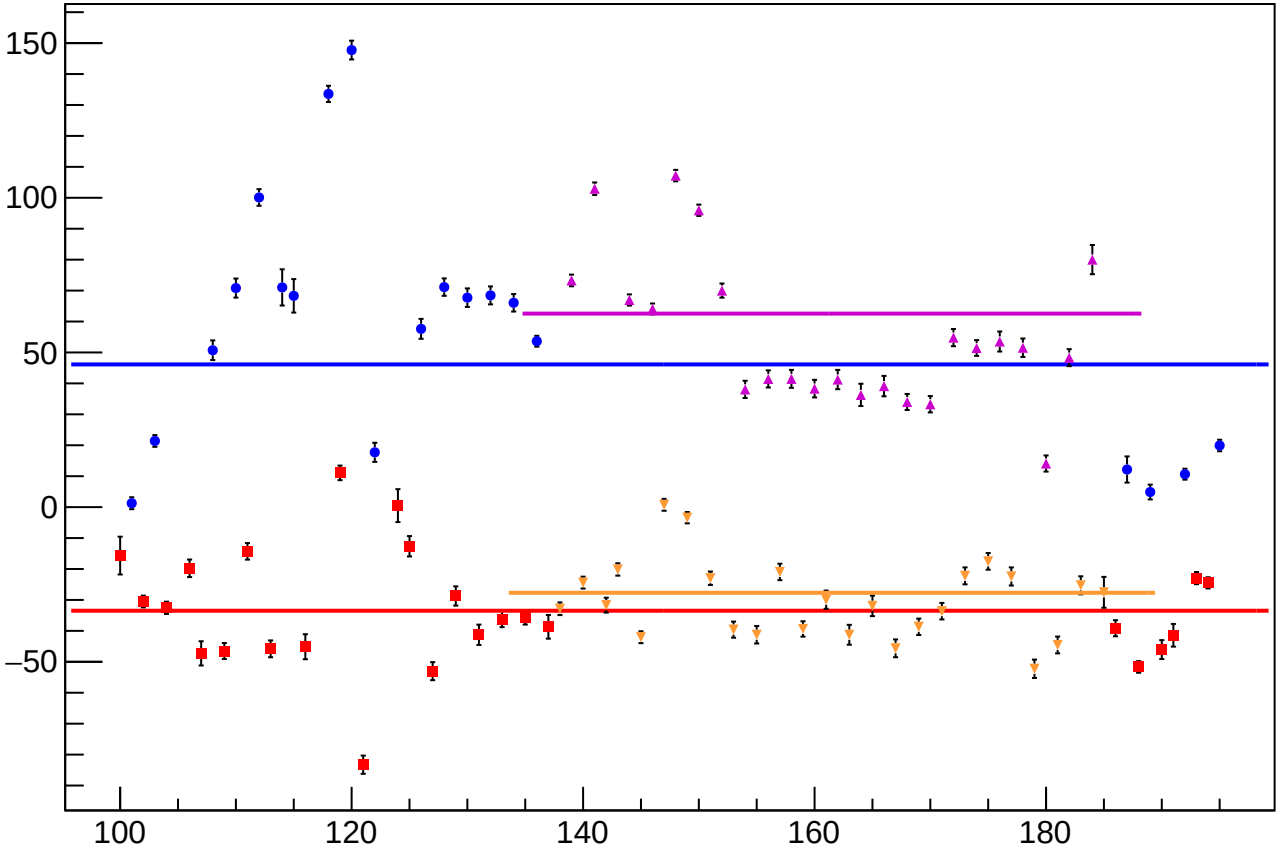
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1495.640+/-0.197 χ^2/NDF: 683662.9/44

All: 1499.846+/-0.140 χ^2/NDF: 1543174.6/92

- sign 1504.065+/-0.197 χ^2/NDF: 858600.0/47

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: -33.489+/-0.530 χ^2/NDF: 1107.5/24

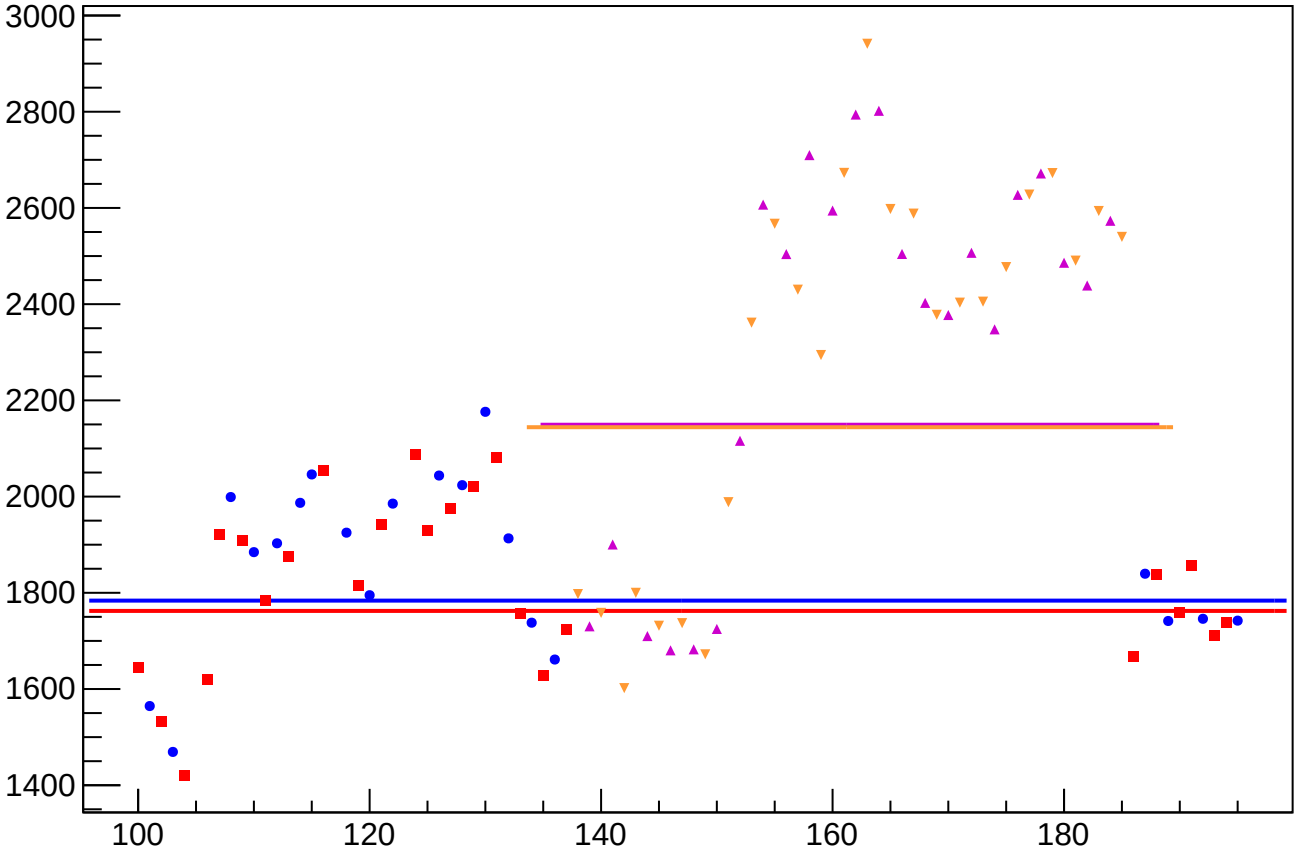
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 3.944+/-0.375 χ^2/NDF: 15014.2/44

All: 10.193+/-0.263 χ^2/NDF: 36120.5/92

- sign 16.217+/-0.368 χ^2/NDF: 20560.8/47

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: 1762.344+/-0.375 χ^2/NDF: 198901.2/24

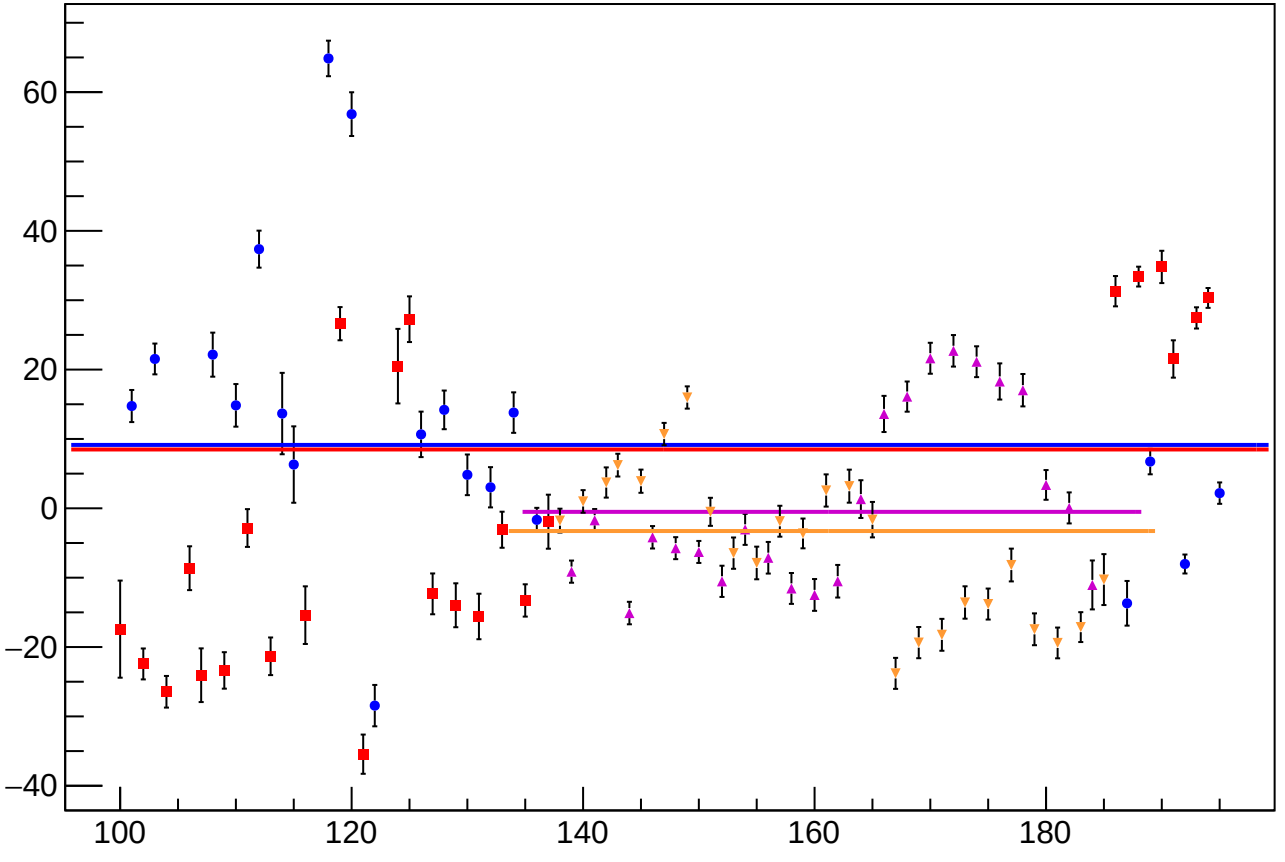
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1989.753+/-0.265 χ^2/NDF: 1929204.6/44

All: 1975.942+/-0.186 χ^2/NDF: 3951033.8/92

- sign 1962.629+/-0.260 χ^2/NDF: 2016500.5/47

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

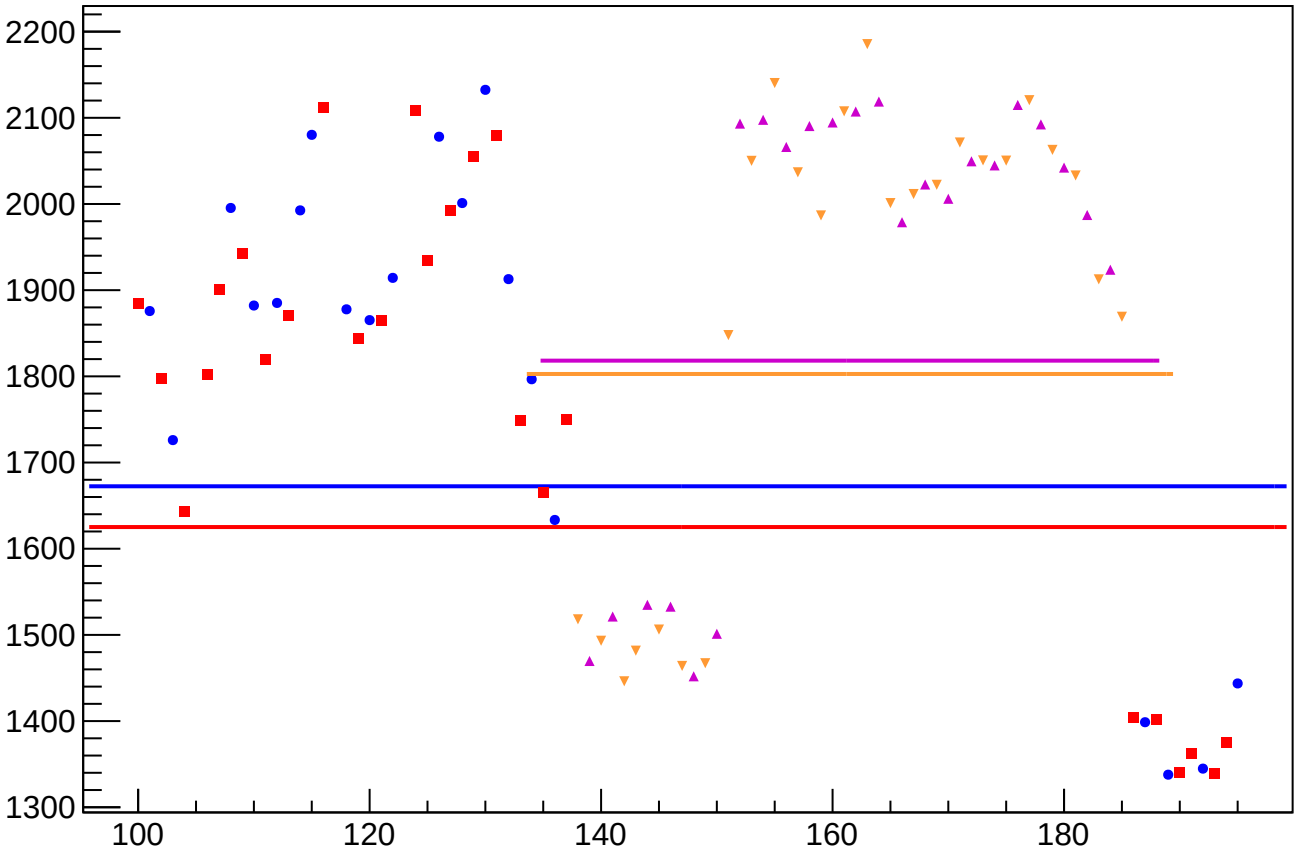
Right Out: 8.482+/-0.493 χ^2/NDF: 2413.5/24

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.321+/-0.329 χ^2/NDF: 2315.3/44

All: 2.365+/-0.231 χ^2/NDF: 5683.7/92

- sign 3.377+/-0.324 χ^2/NDF: 3348.6/47



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: 1625.142+/-0.348 χ^2/NDF: 541325.2/24

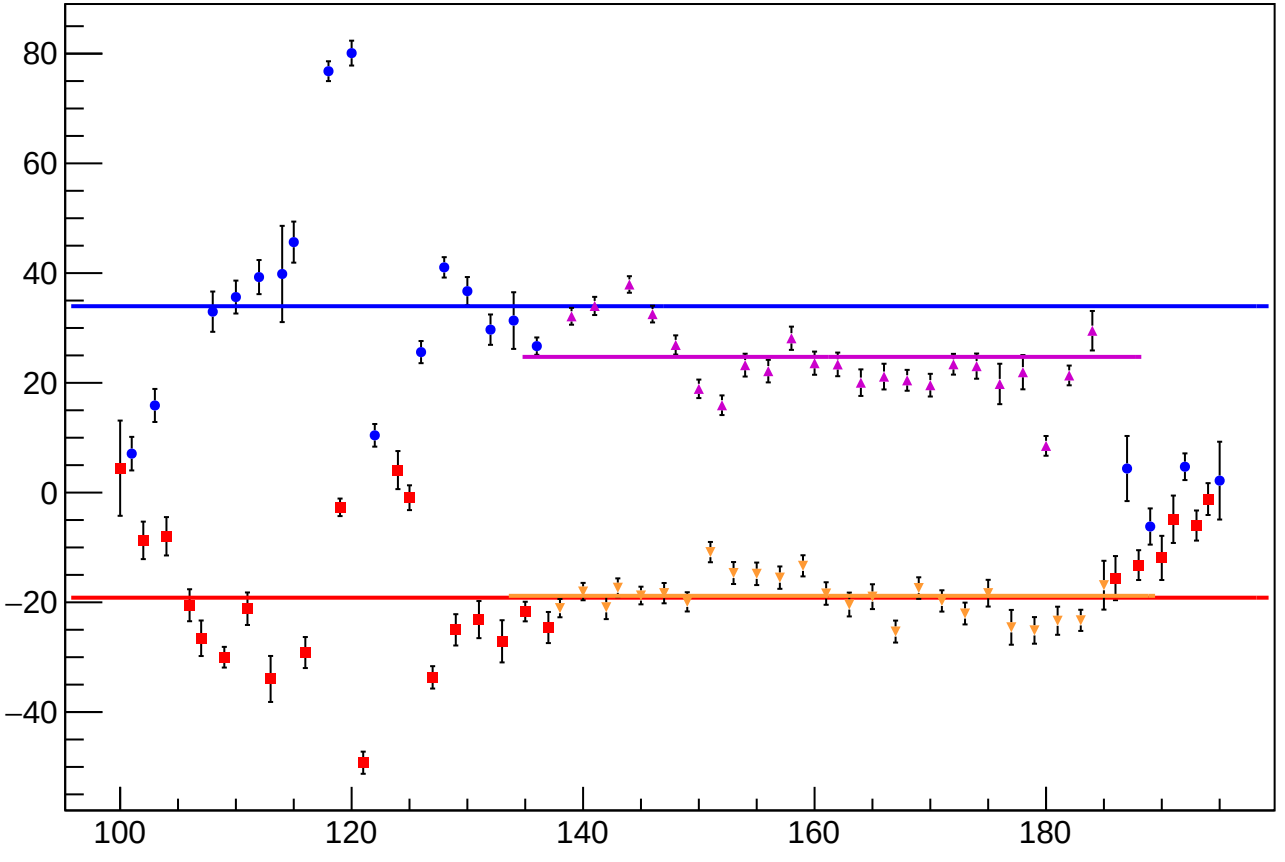
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1754.502+/-0.233 χ^2/NDF: 1446150.6/44

All: 1744.472+/-0.163 χ^2/NDF: 3005988.3/92

- sign 1734.757+/-0.229 χ^2/NDF: 1556179.4/47

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: -19.155+/-0.542 χ^2/NDF: 676.9/24

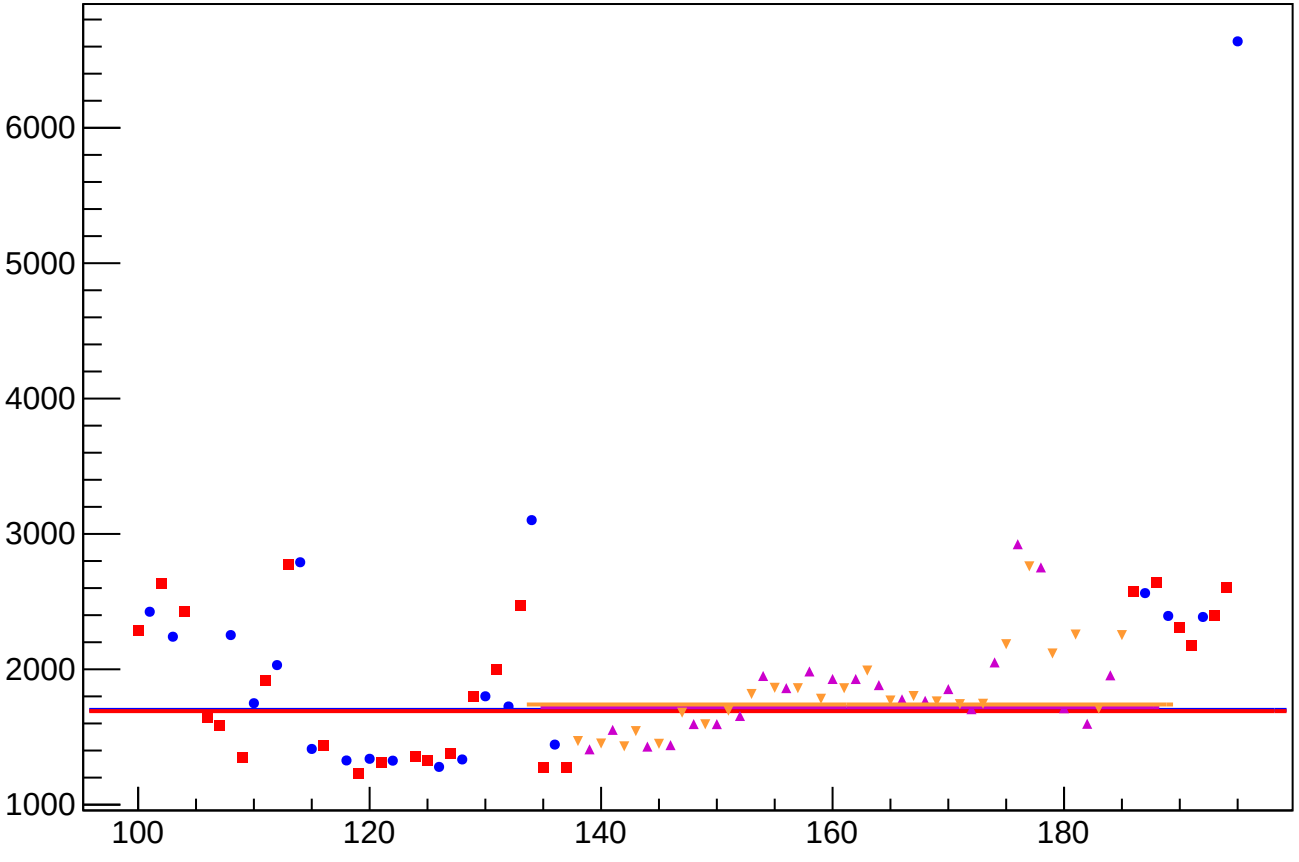
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.013+/-0.332 χ^2/NDF: 7191.9/44

All: 3.488+/-0.233 χ^2/NDF: 12899.8/92

\- sign 8.807+/-0.326 χ^2/NDF: 5167.4/47

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: 1691.094+/-0.383 χ^2/NDF: 1835456.3/24

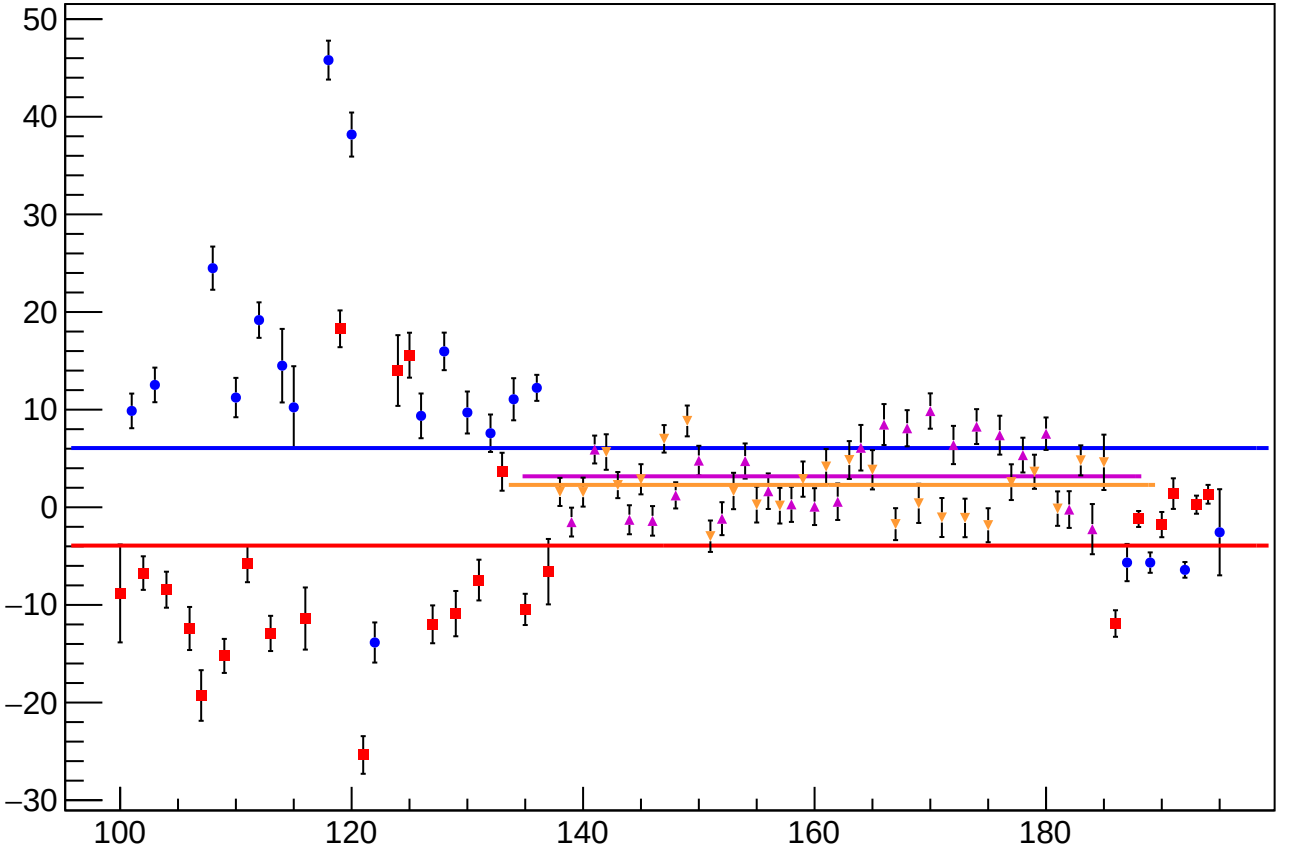
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1727.390+/-0.235 χ^2/NDF: 2878356.2/44

All: 1718.579+/-0.165 χ^2/NDF: 5604425.0/92

- sign 1710.062+/-0.231 χ^2/NDF: 2723296.0/47

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: -3.922+/-0.323 χ^2/NDF: 663.8/24

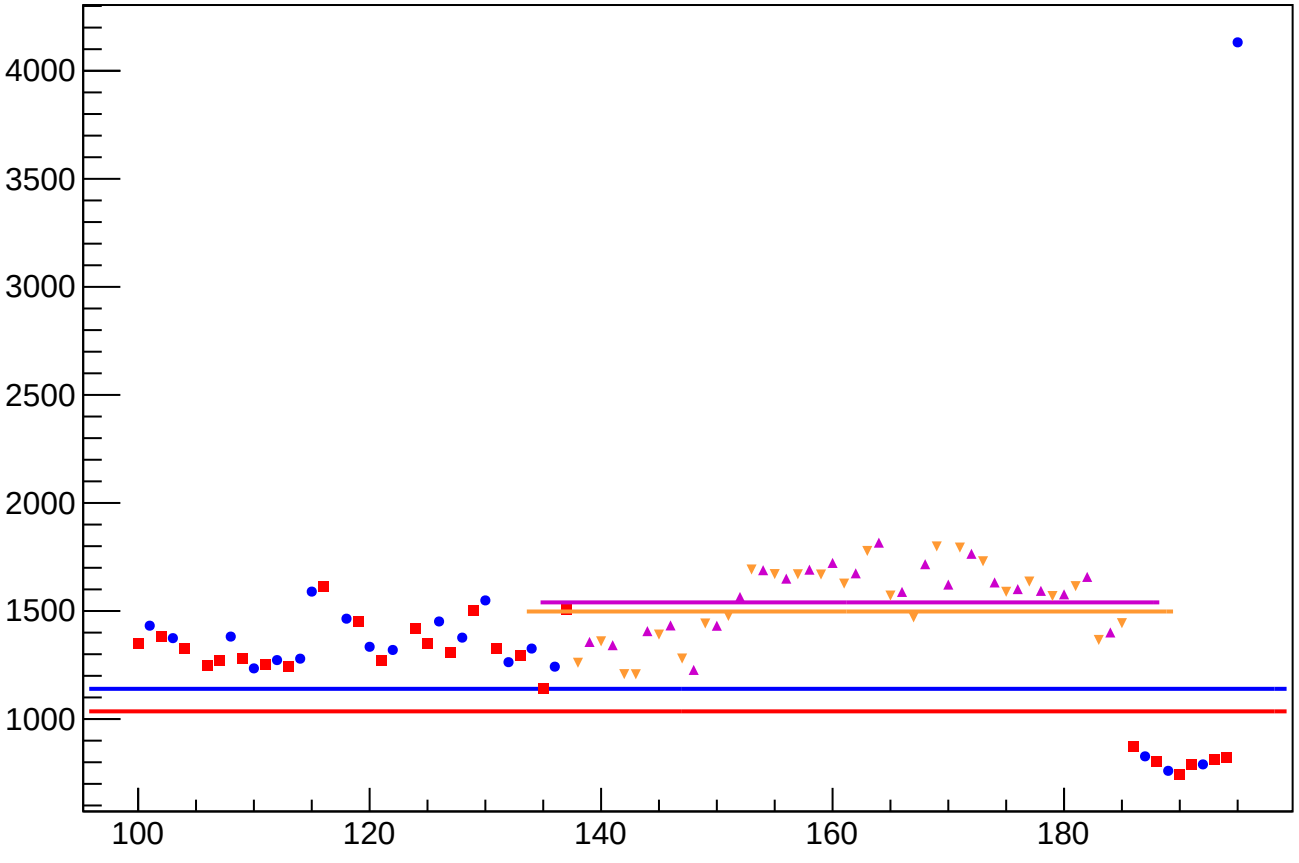
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.962+/-0.257 χ^2/NDF: 1440.7/44

All: 1.446+/-0.176 χ^2/NDF: 2609.5/92

- sign -0.779+/-0.241 χ^2/NDF: 987.6/47

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: 1035.558+/-0.229 χ^2/NDF: 1325344.5/24

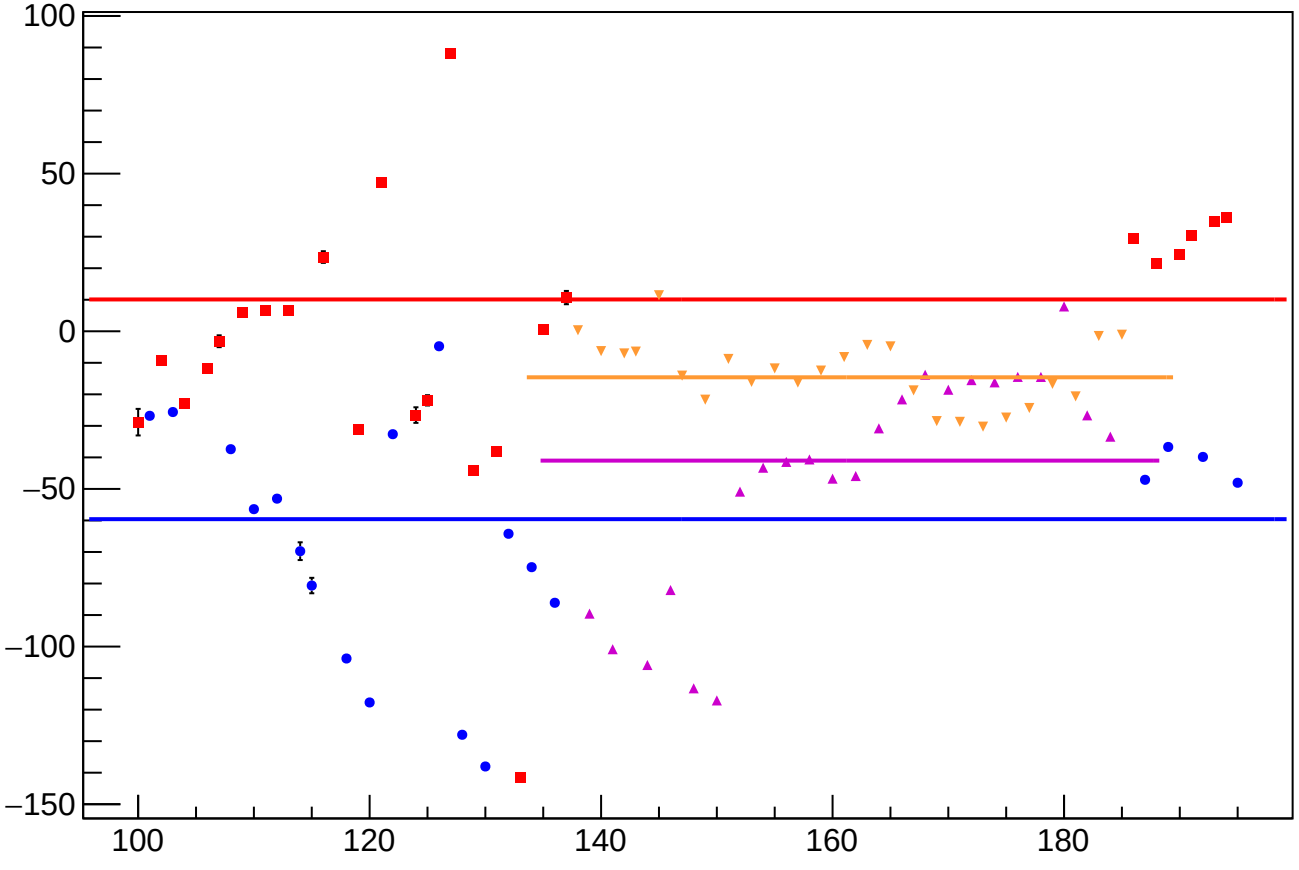
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1339.429+/-0.181 χ^2/NDF: 3557851.4/44

All: 1296.753+/-0.124 χ^2/NDF: 7524581.7/92

- sign 1259.005+/-0.171 χ^2/NDF: 3862405.8/47

diff_bpm1i02X_mean vs Slug



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: 10.094+/-0.241 χ^2/NDF: 26144.5/24

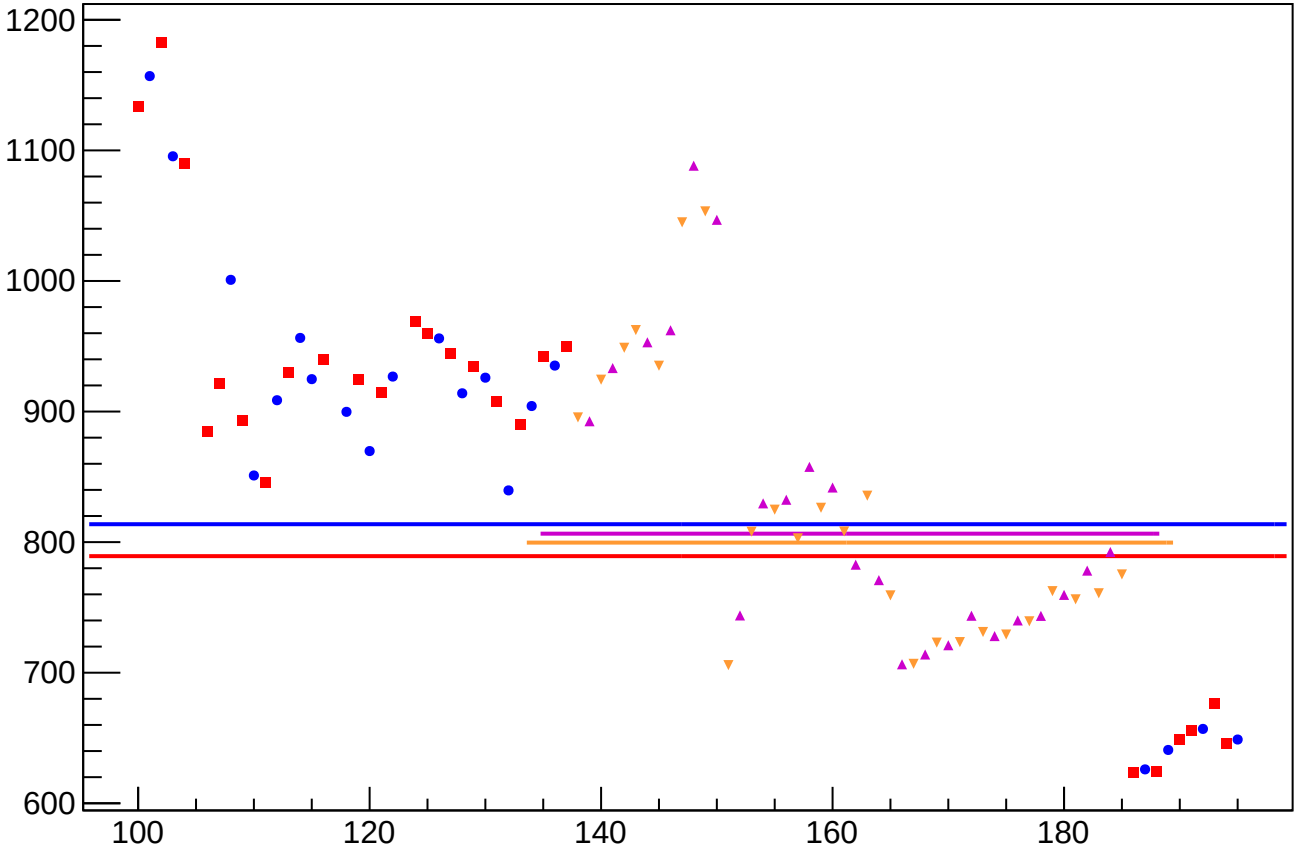
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.159+/-0.150 χ^2/NDF: 38120.6/44

All: -25.266+/-0.106 χ^2/NDF: 124443.4/92

- sign -21.444+/-0.149 χ^2/NDF: 84995.8/47

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: 789.267+/-0.170 χ^2/NDF: 869471.0/24

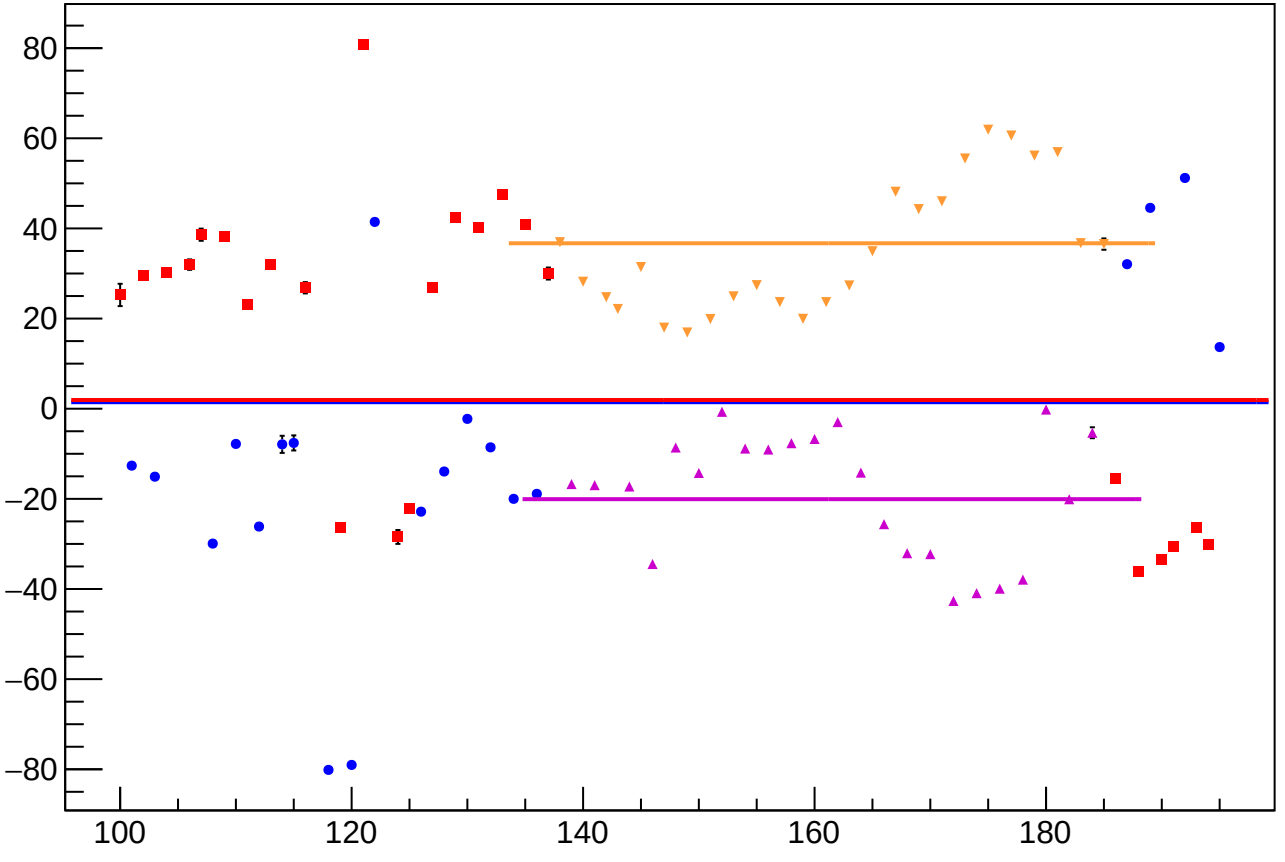
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 804.196+/-0.106 χ^2/NDF: 1190373.0/44

All: 802.021+/-0.075 χ^2/NDF: 2578267.2/92

- sign 799.886+/-0.105 χ^2/NDF: 1387066.0/47

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: 1.928+/-0.169 χ^2/NDF: 42827.2/24

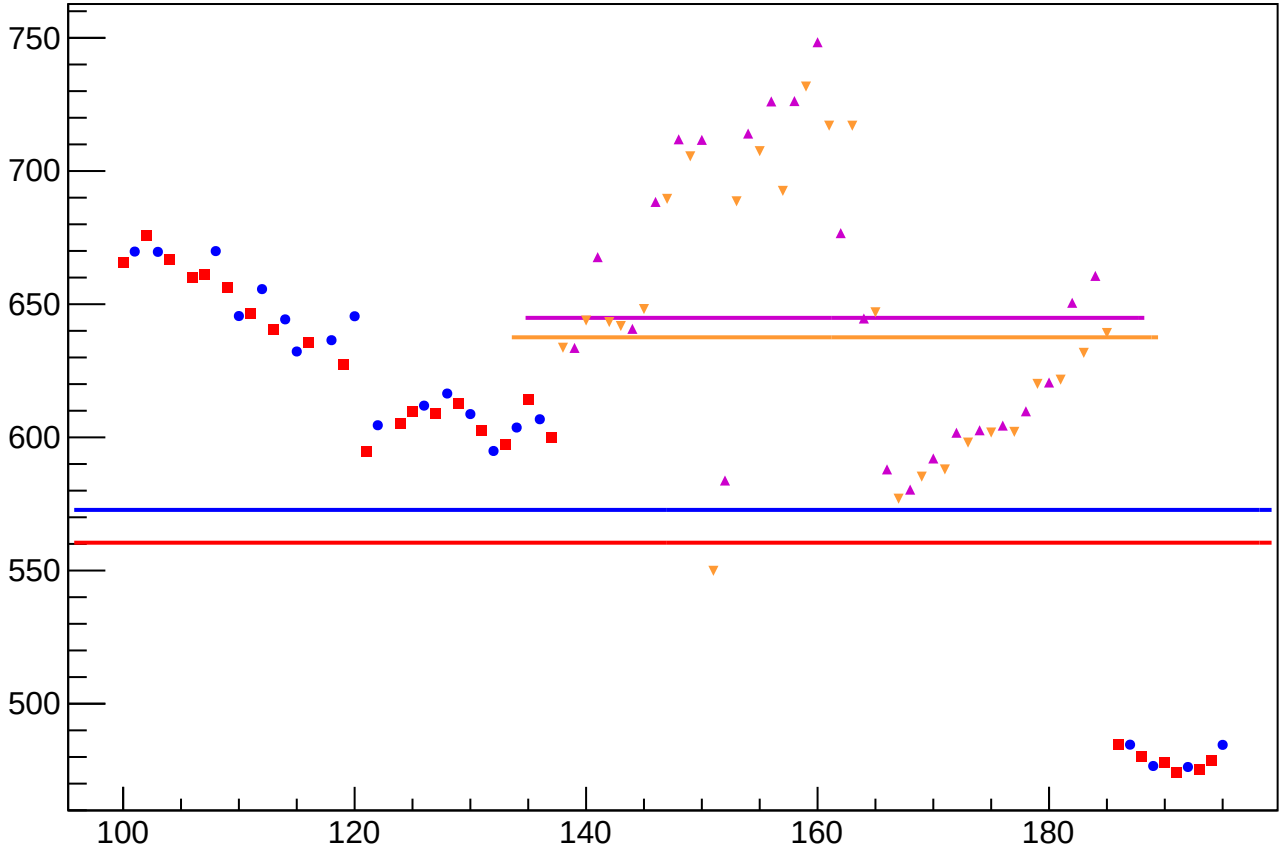
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.182+/-0.114 χ^2/NDF: 70282.9/44

All: 6.231+/-0.080 χ^2/NDF: 174598.6/92

- sign -10.302+/-0.113 χ^2/NDF: 60781.7/47

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: 560.456+/-0.120 χ^2/NDF: 420872.7/24

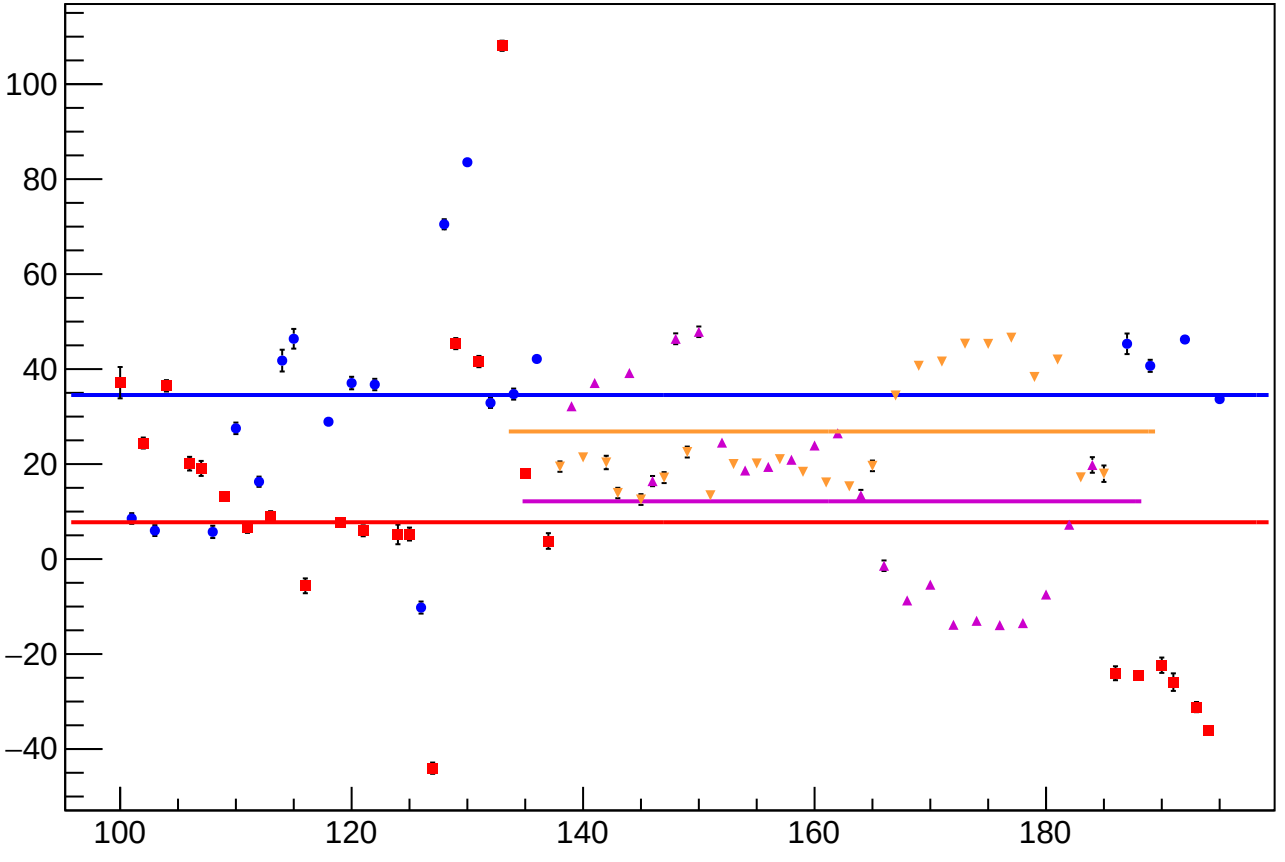
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 612.718+/-0.081 χ^2/NDF: 725966.8/44

All: 610.020+/-0.057 χ^2/NDF: 1655288.0/92

- sign 607.390+/-0.080 χ^2/NDF: 927116.7/47

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: 7.754+/-0.247 χ^2/NDF: 19440.2/24

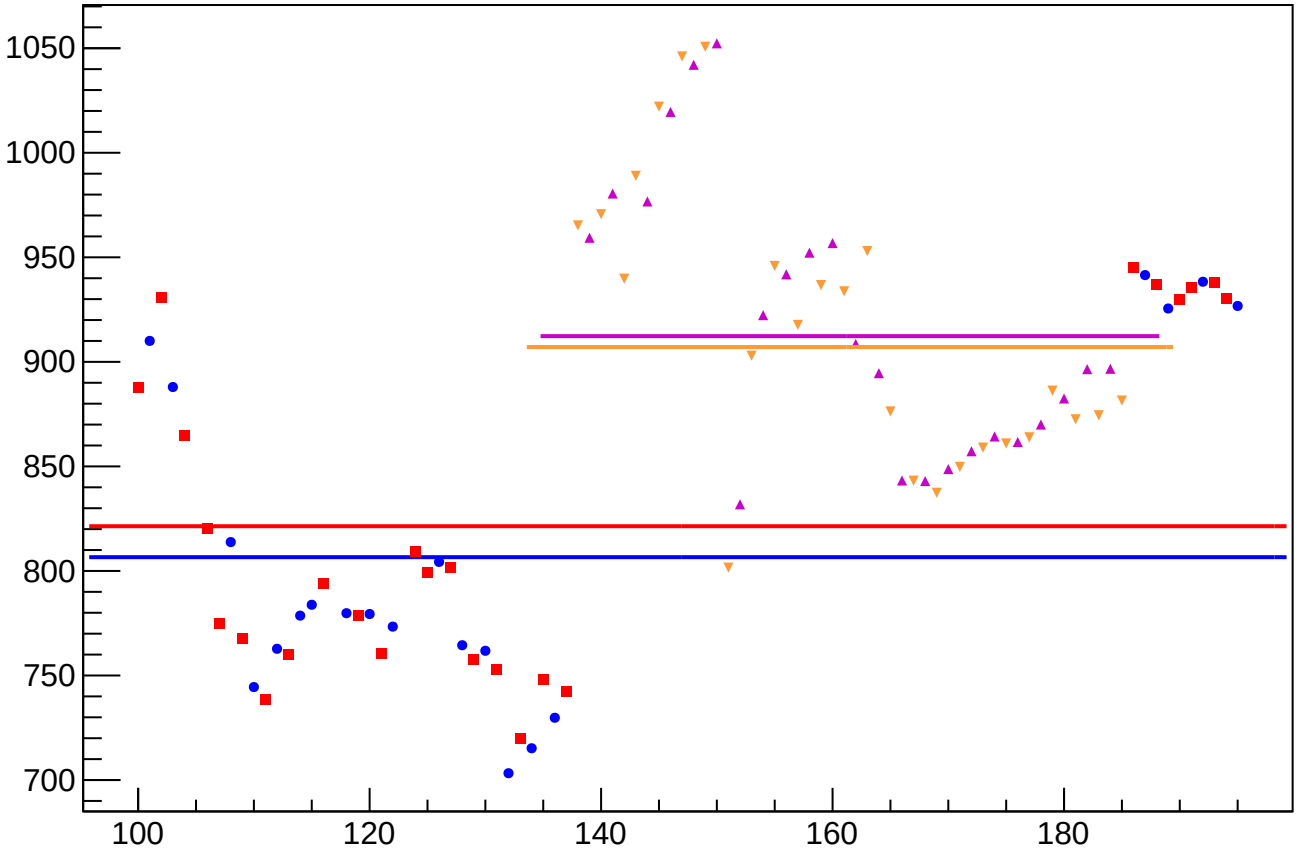
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.857+/-0.161 χ^2/NDF: 10855.2/44

All: 20.070+/-0.114 χ^2/NDF: 46375.1/92

- sign 10.272+/-0.162 χ^2/NDF: 28169.2/47

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: 821.392+/-0.175 χ^2/NDF: 211132.5/24

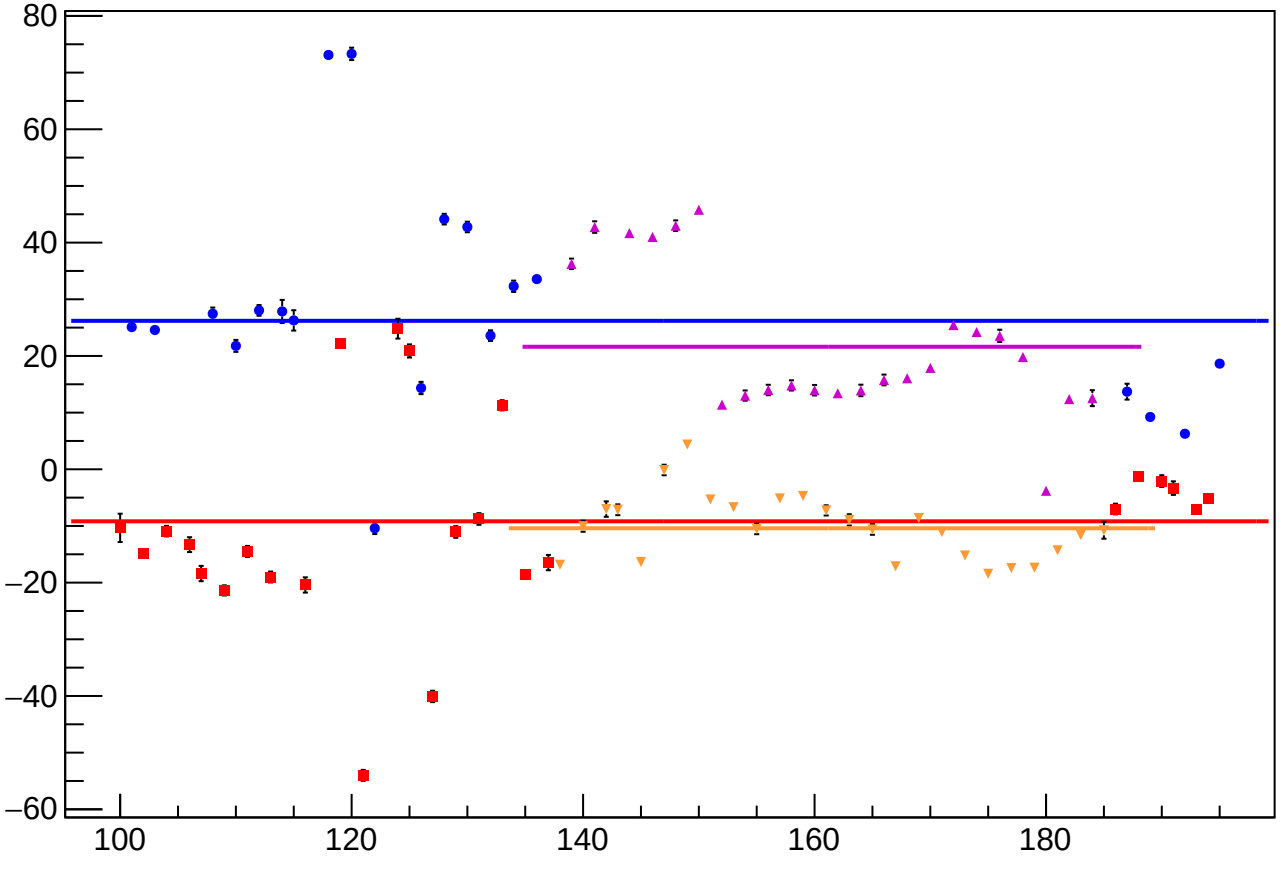
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

\+ sign 867.942+/-0.114 χ^2/NDF: 569466.5/44

All: 870.653+/-0.081 χ^2/NDF: 1111472.5/92

\- sign 873.367+/-0.114 χ^2/NDF: 540878.1/47

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: -9.178+/-0.191 χ^2/NDF: 6982.8/24

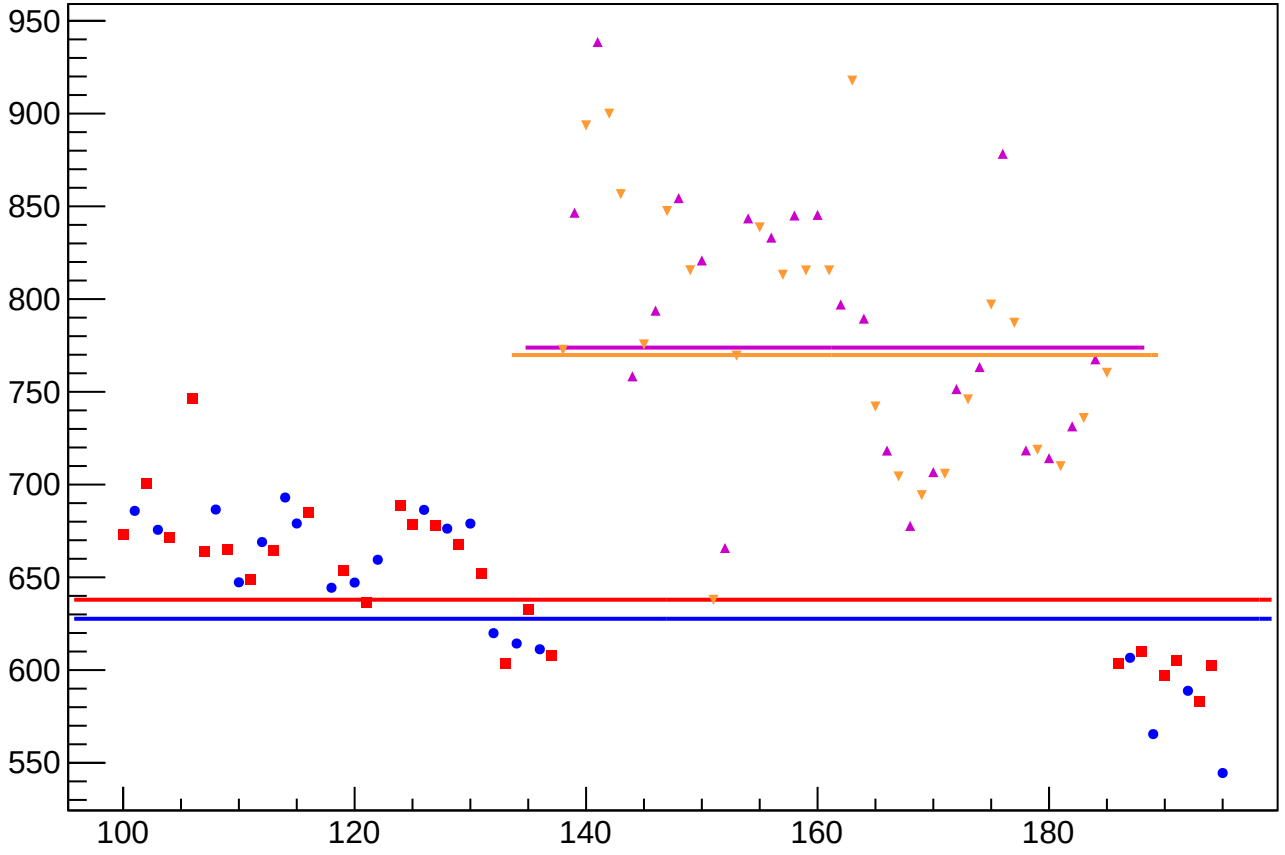
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 5.453+/-0.132 χ^2/NDF: 28597.5/44

All: 6.226+/-0.093 χ^2/NDF: 54503.0/92

- sign 6.991+/-0.132 χ^2/NDF: 25837.7/47

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: 637.938+/-0.135 χ^2/NDF: 78962.5/24

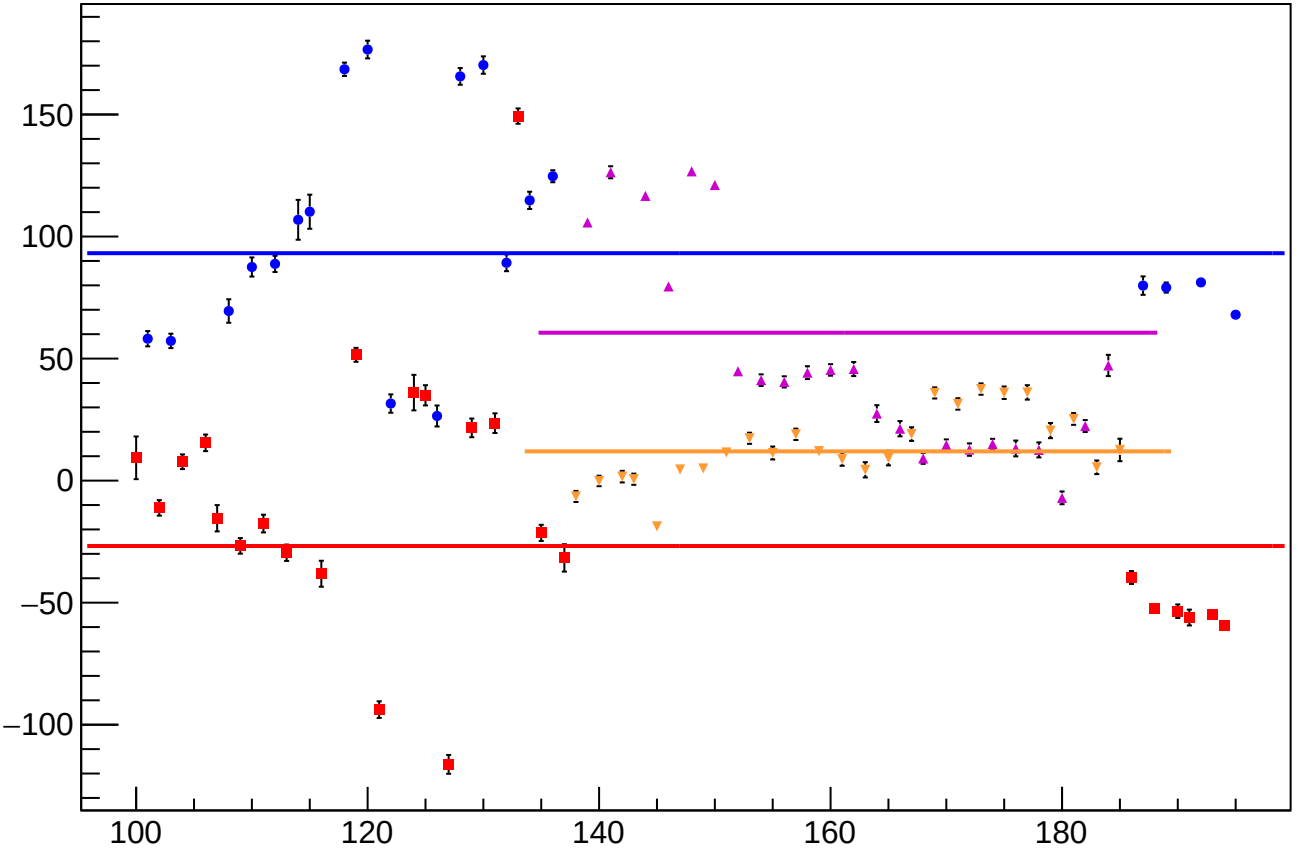
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 708.246+/-0.094 χ^2/NDF: 983362.5/44

All: 708.769+/-0.066 χ^2/NDF: 1875374.2/92

- sign 709.286+/-0.093 χ^2/NDF: 891949.9/47

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: -26.794+/-0.605 χ^2/NDF: 6831.2/24

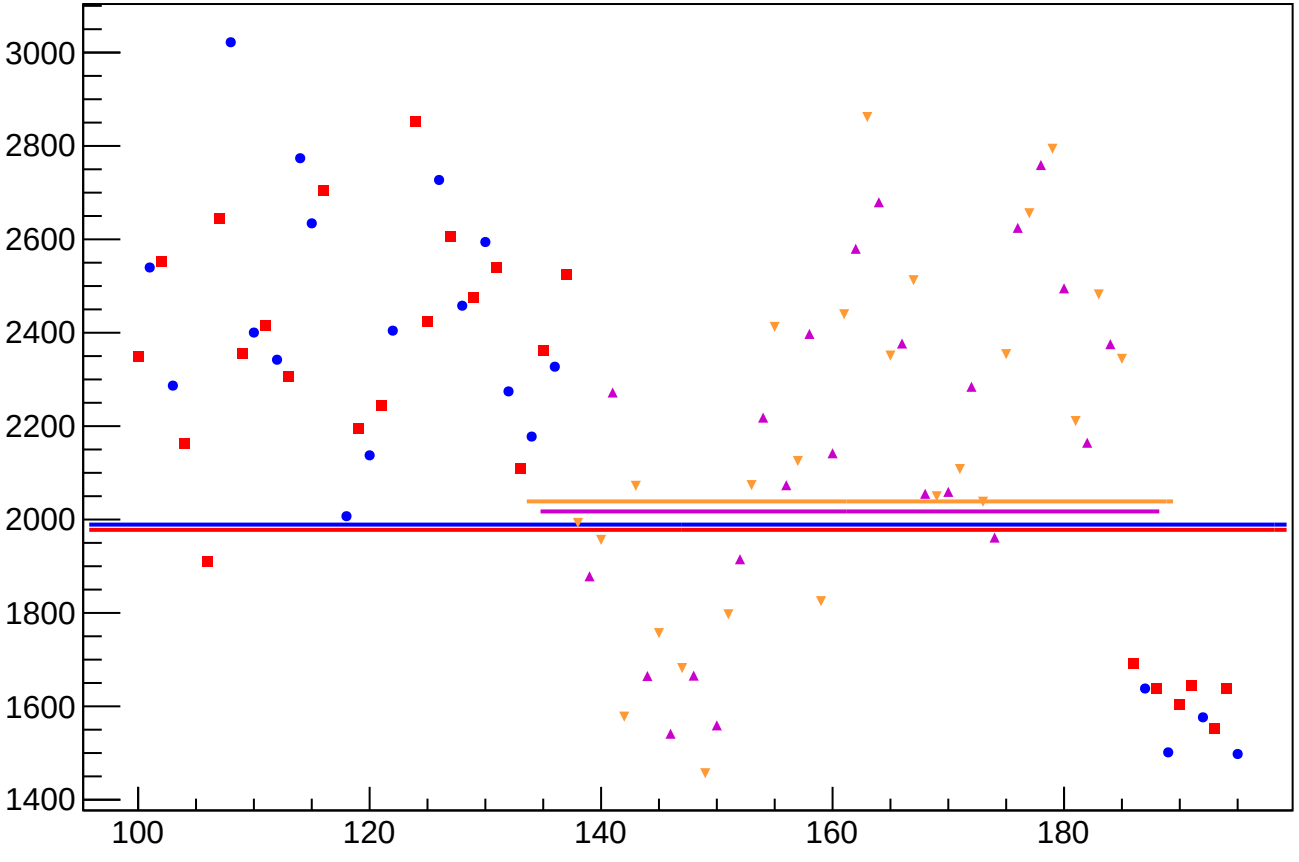
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 39.793+/-0.382 χ^2/NDF: 14671.7/44

All: 33.164+/-0.268 χ^2/NDF: 43526.8/92

- sign 26.740+/-0.376 χ^2/NDF: 28263.3/47

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: 1977.932+/-0.428 χ^2/NDF: 830105.6/24

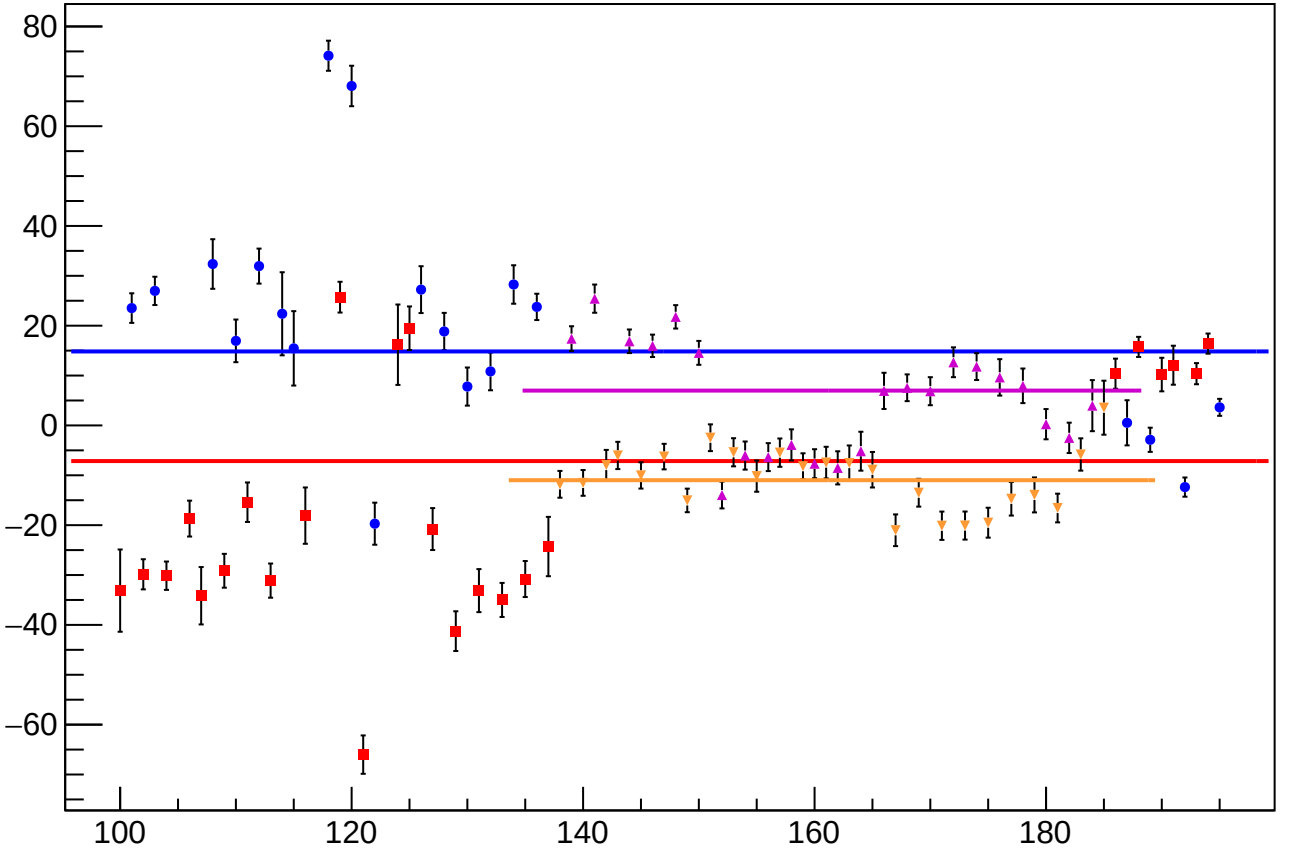
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2021.787+/-0.270 χ^2/NDF: 2064910.4/44

All: 2011.771+/-0.190 χ^2/NDF: 3952961.6/92

- sign 2002.065+/-0.266 χ^2/NDF: 1885348.8/47

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: -7.147+/-0.673 χ^2/NDF: 1312.1/24

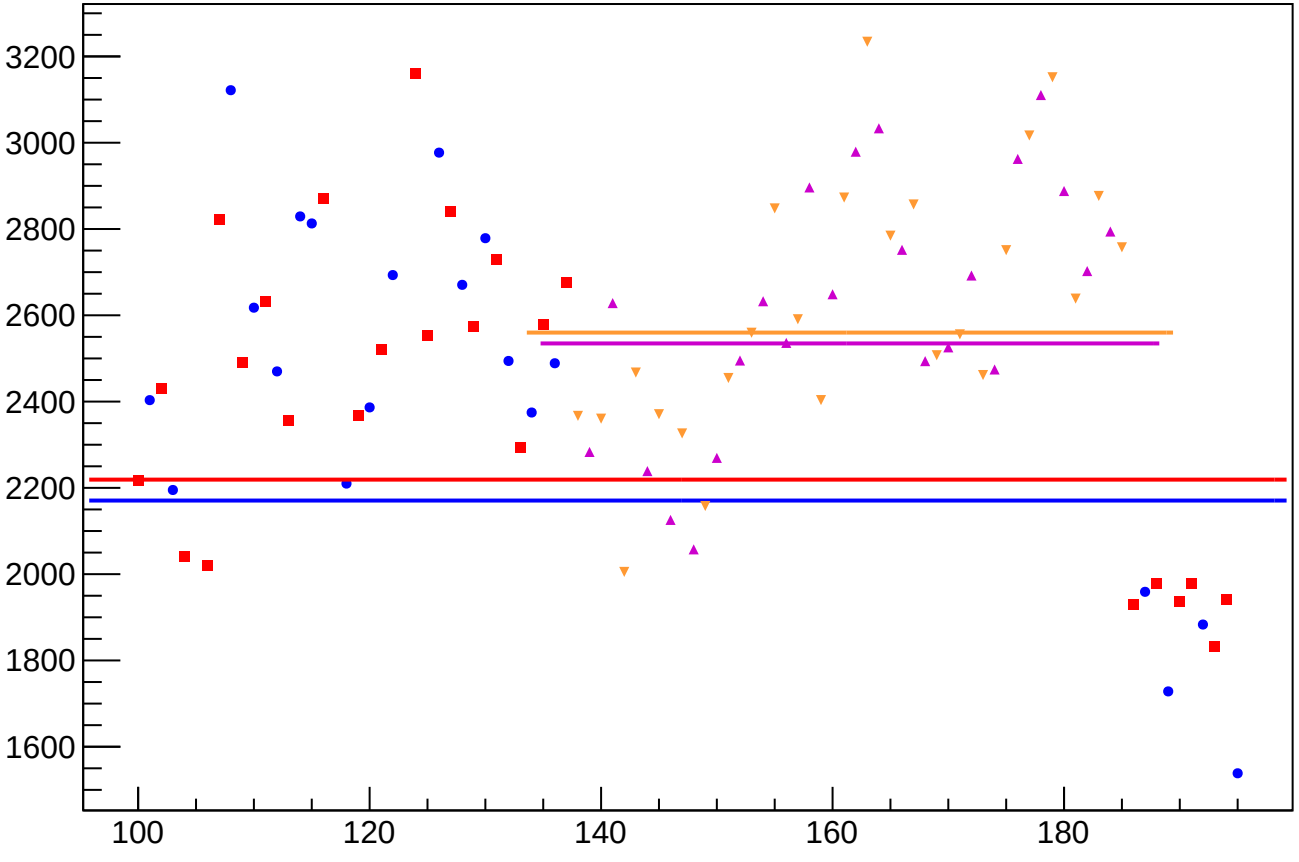
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.561+/-0.452 χ^2/NDF: 1903.6/44

All: 0.101+/-0.318 χ^2/NDF: 3805.5/92

- sign 0.749+/-0.447 χ^2/NDF: 1897.6/47

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

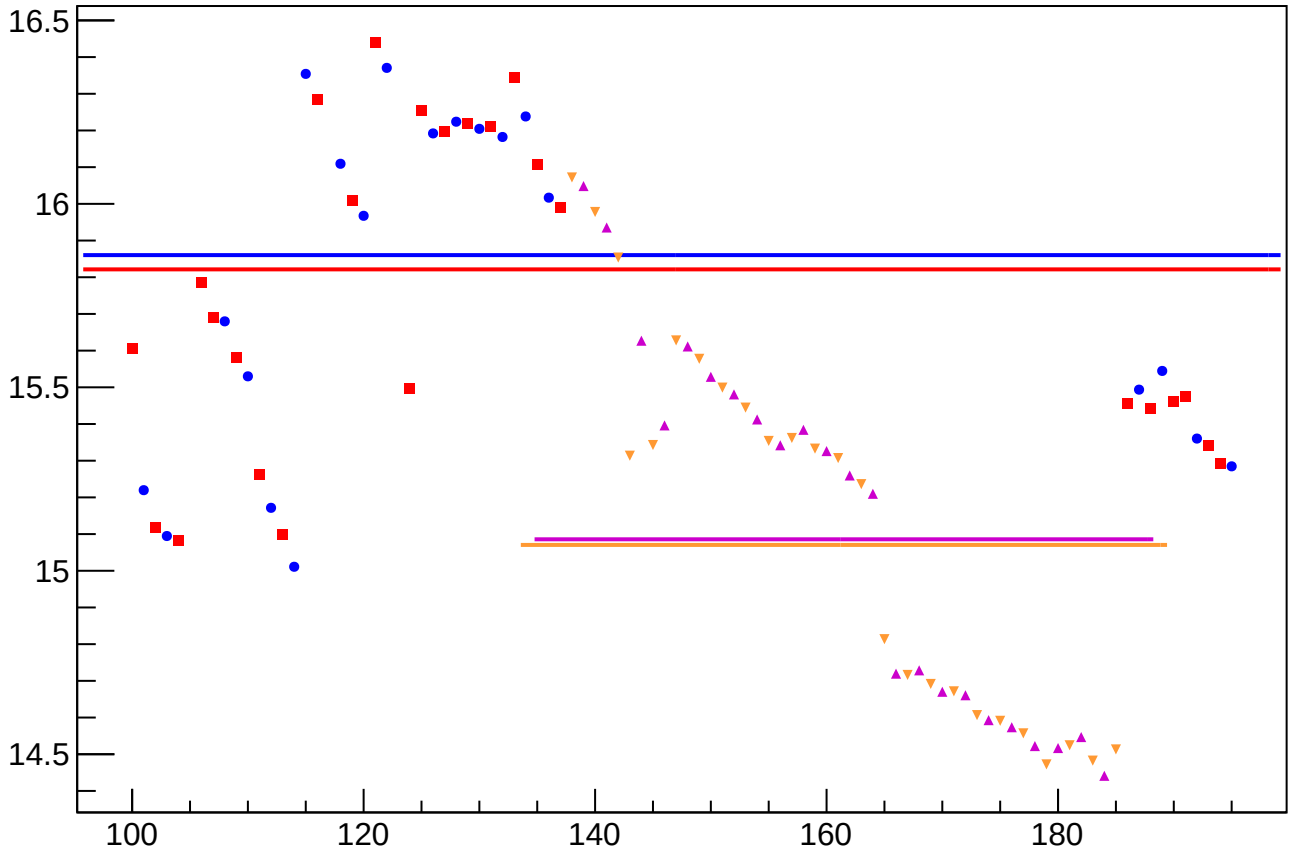
Right Out: 2219.124+/-0.476 χ^2/NDF: 458895.8/24

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2402.760+/-0.320 χ^2/NDF: 1578151.8/44

All: 2399.091+/-0.225 χ^2/NDF: 2746428.6/92

- sign 2395.503+/-0.316 χ^2/NDF: 1168016.6/47



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: 15.821+/-0.000 χ^2/NDF: 8265094559.6/24

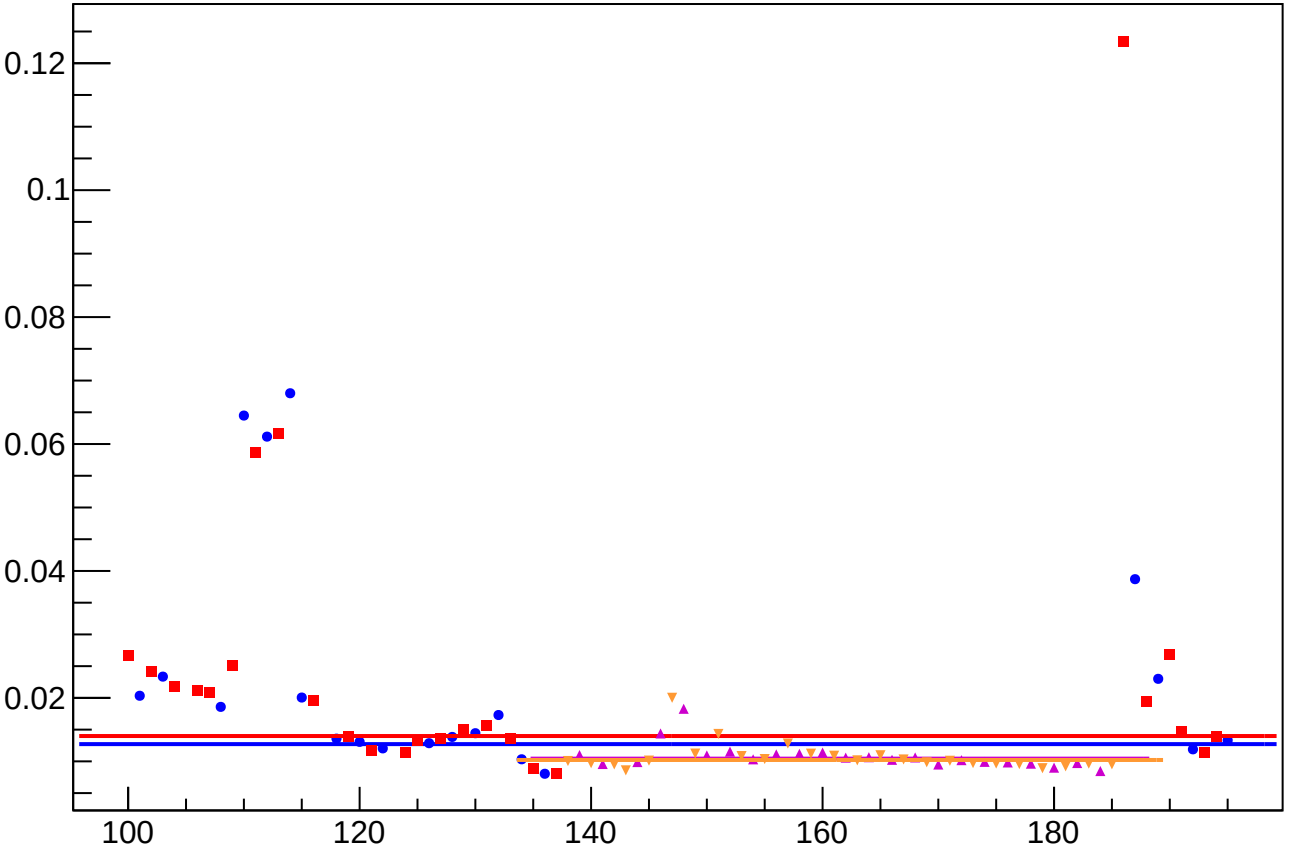
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.242+/-0.000 χ^2/NDF: 74695852954.6/44

All: 15.245+/-0.000 χ^2/NDF: 141300215922.

- sign 15.248+/-0.000 χ^2/NDF: 66600789650.1/47

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: 3220592.8/24

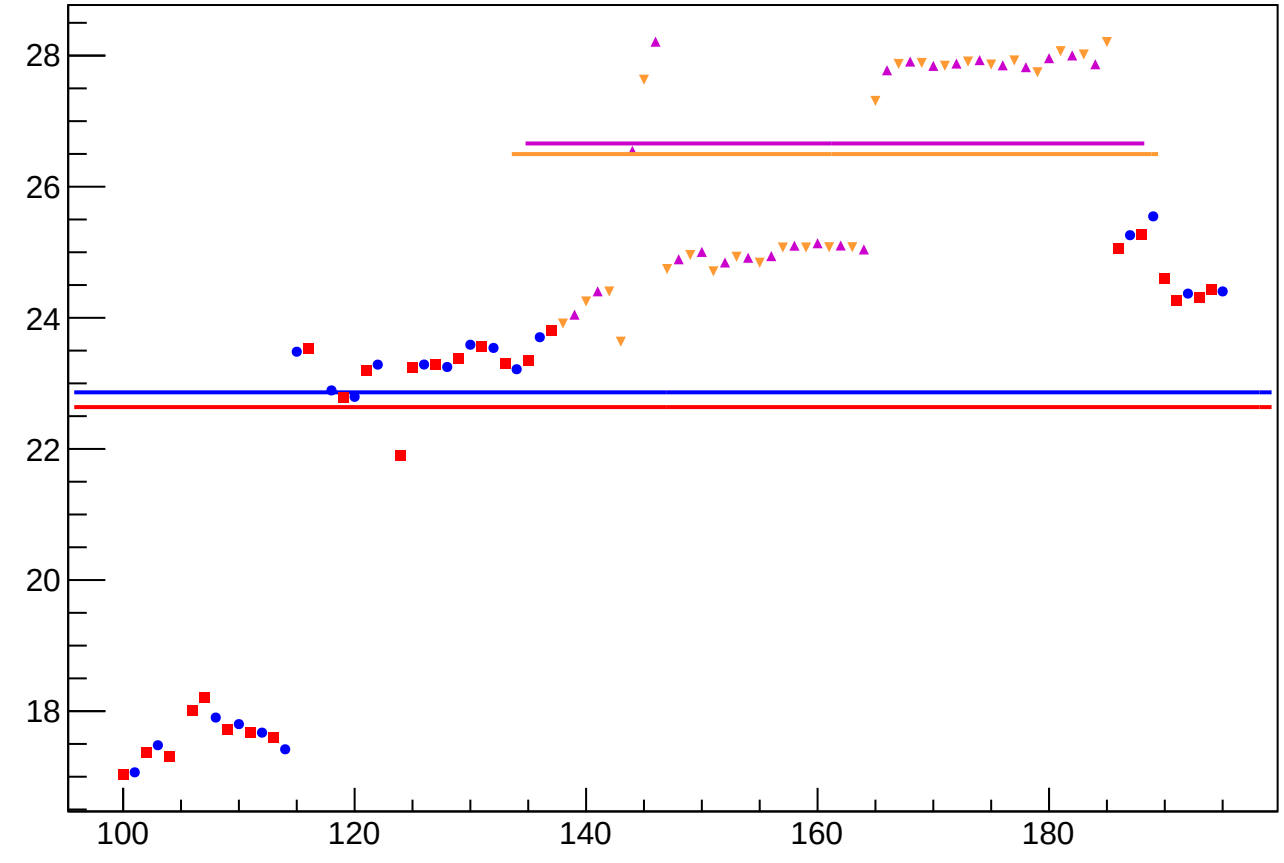
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3928606.7/44

All: 0.011+/-0.000 χ^2/NDF: 8673850.2/92

- sign 0.011+/-0.000 χ^2/NDF: 4701758.4/47

yield_sam2_mean vs Slug



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: 22.638+/-0.000 χ^2/NDF: 1399135159.2/24

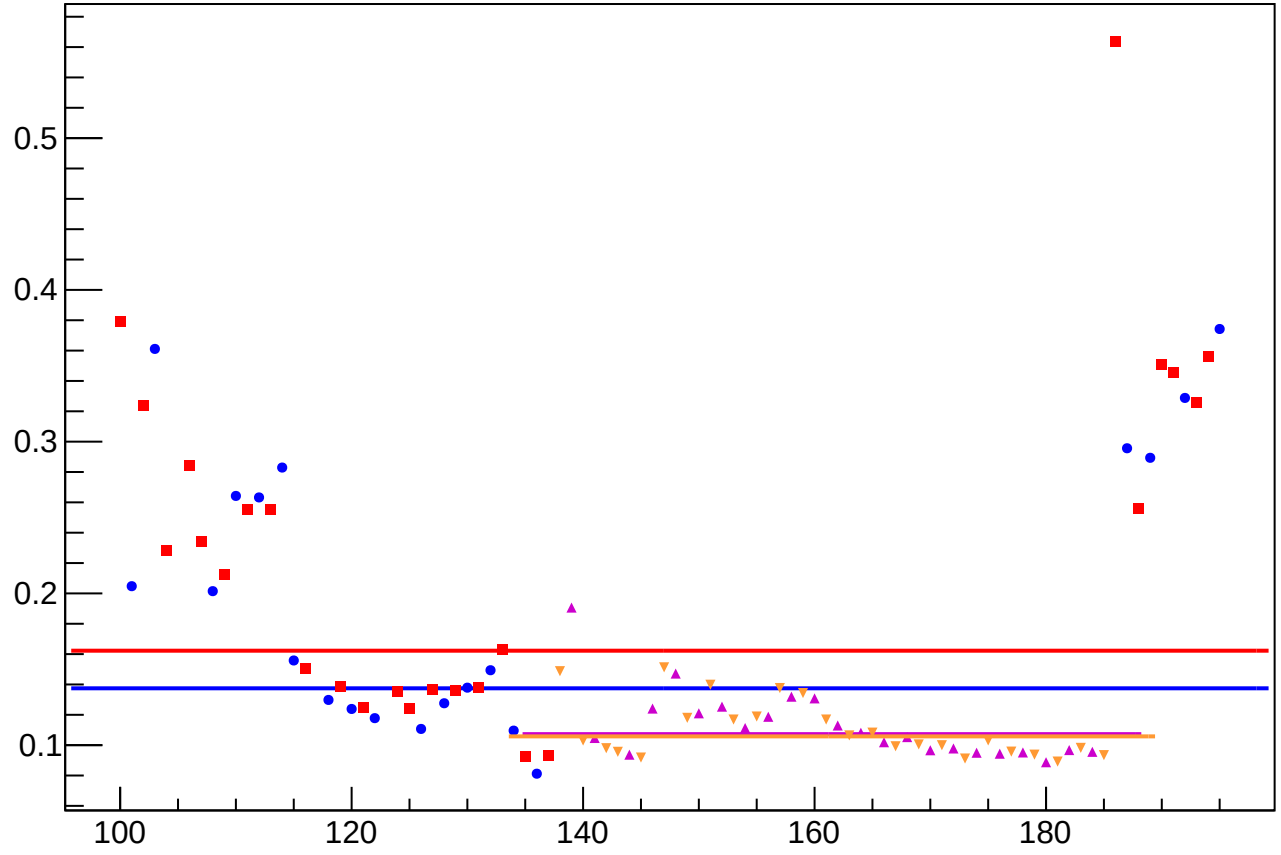
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.777+/-0.000 χ^2/NDF: 9107097413.3/44

All: 25.838+/-0.000 χ^2/NDF: 17532806725.4

- sign 25.905+/-0.000 χ^2/NDF: 8411320054.2/47

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: 0.162+/-0.000 χ^2/NDF: 3676101.6/24

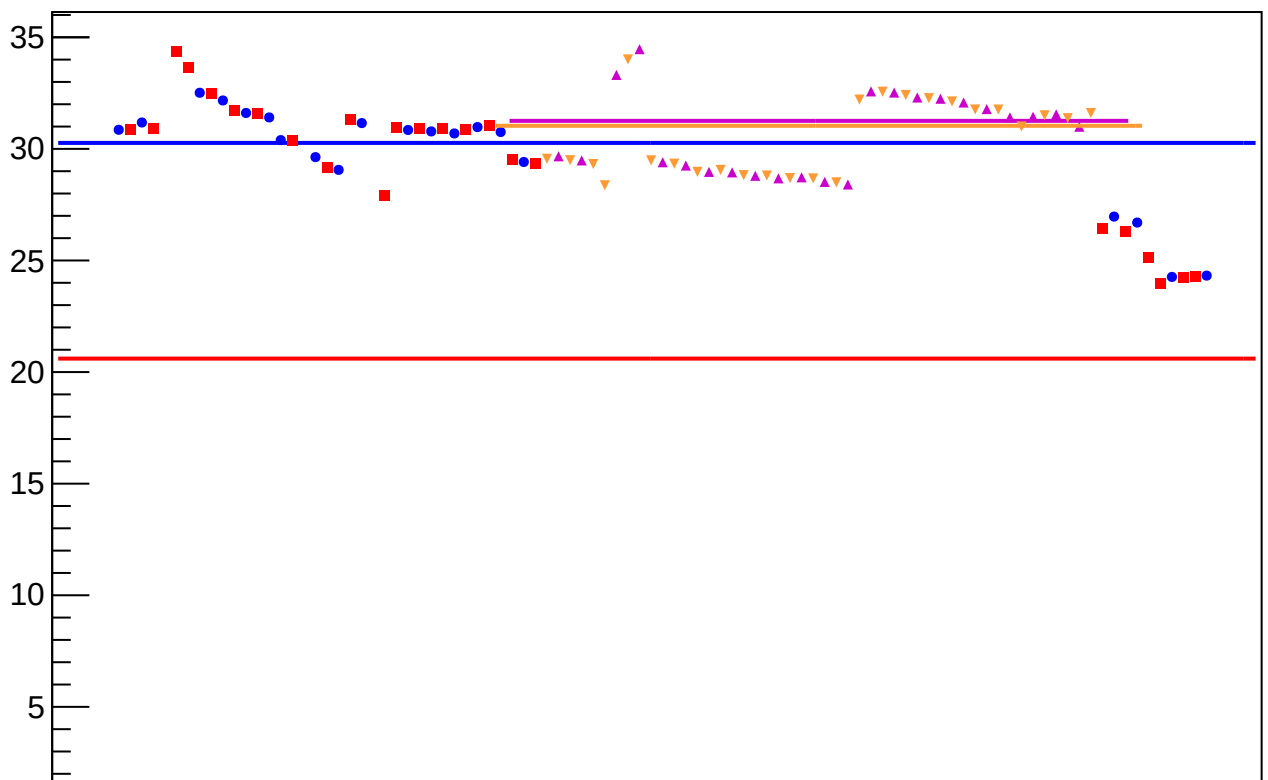
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.112+/-0.000 χ^2/NDF: 4911919.8/44

All: 0.115+/-0.000 χ^2/NDF: 11043391.0/92

- sign 0.118+/-0.000 χ^2/NDF: 6078095.1/47

yield_sam3_mean vs Slug



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: 20.604+/-0.000 χ^2/NDF: 223511238654.1/24

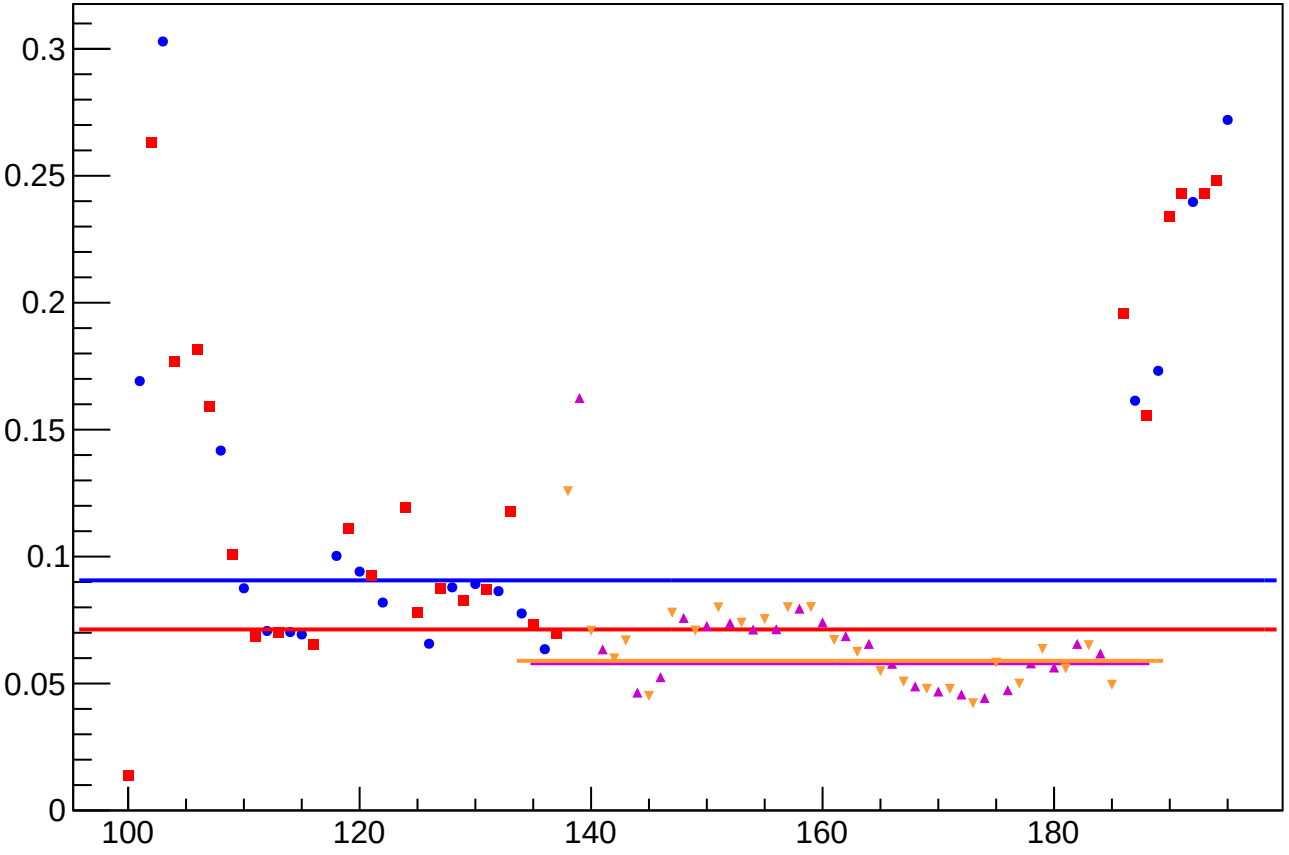
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.911+/-0.000 χ^2/NDF: 14305942156.5/44

All: 29.886+/-0.000 χ^2/NDF: 364601014773.

- sign 28.898+/-0.000 χ^2/NDF: 339750645847.8/47

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: 0.071+/-0.000 χ^2/NDF: 7326321.6/24

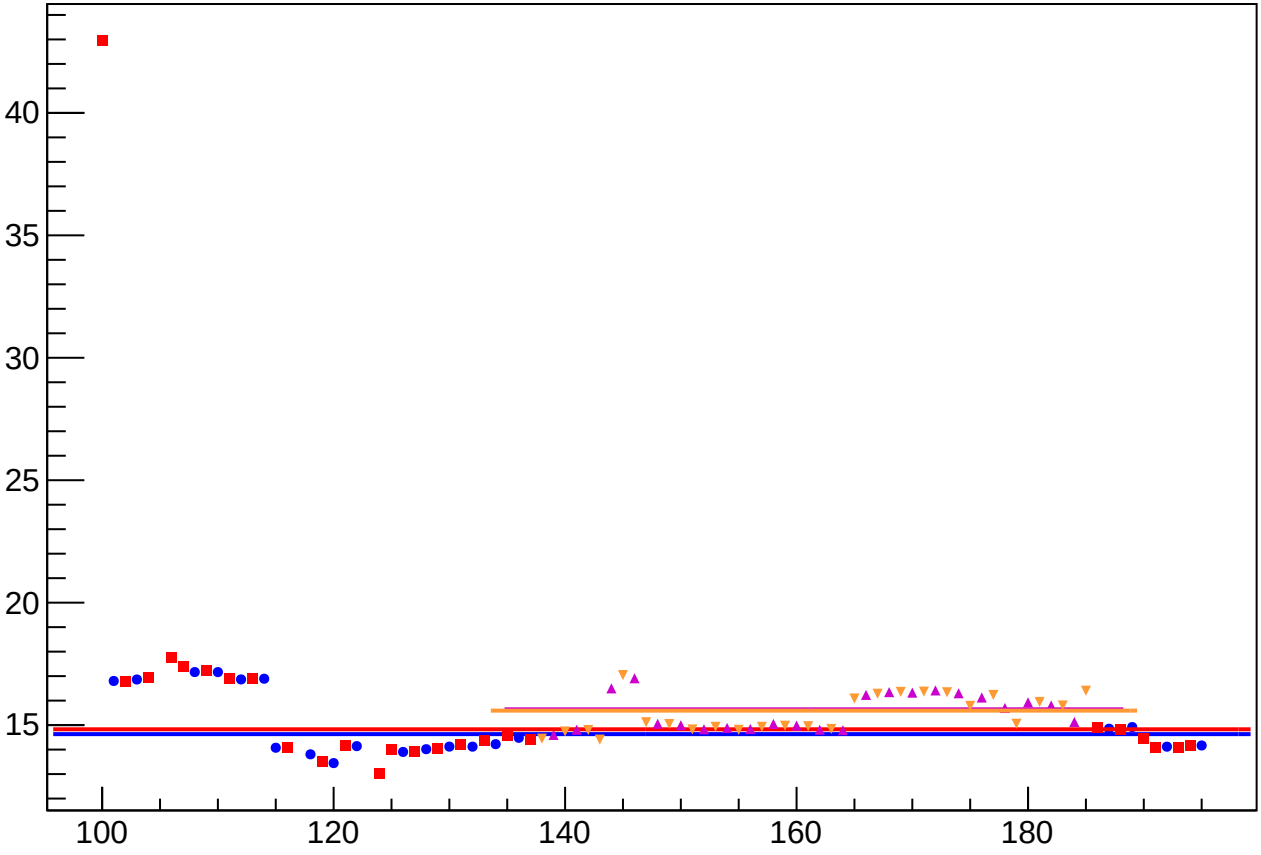
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.064+/-0.000 χ^2/NDF: 6049401.3/44

All: 0.062+/-0.000 χ^2/NDF: 15466887.2/92

- sign 0.061+/-0.000 χ^2/NDF: 9366688.4/47

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: 14.829+/-0.000 χ^2/NDF: 1753621417.9/24

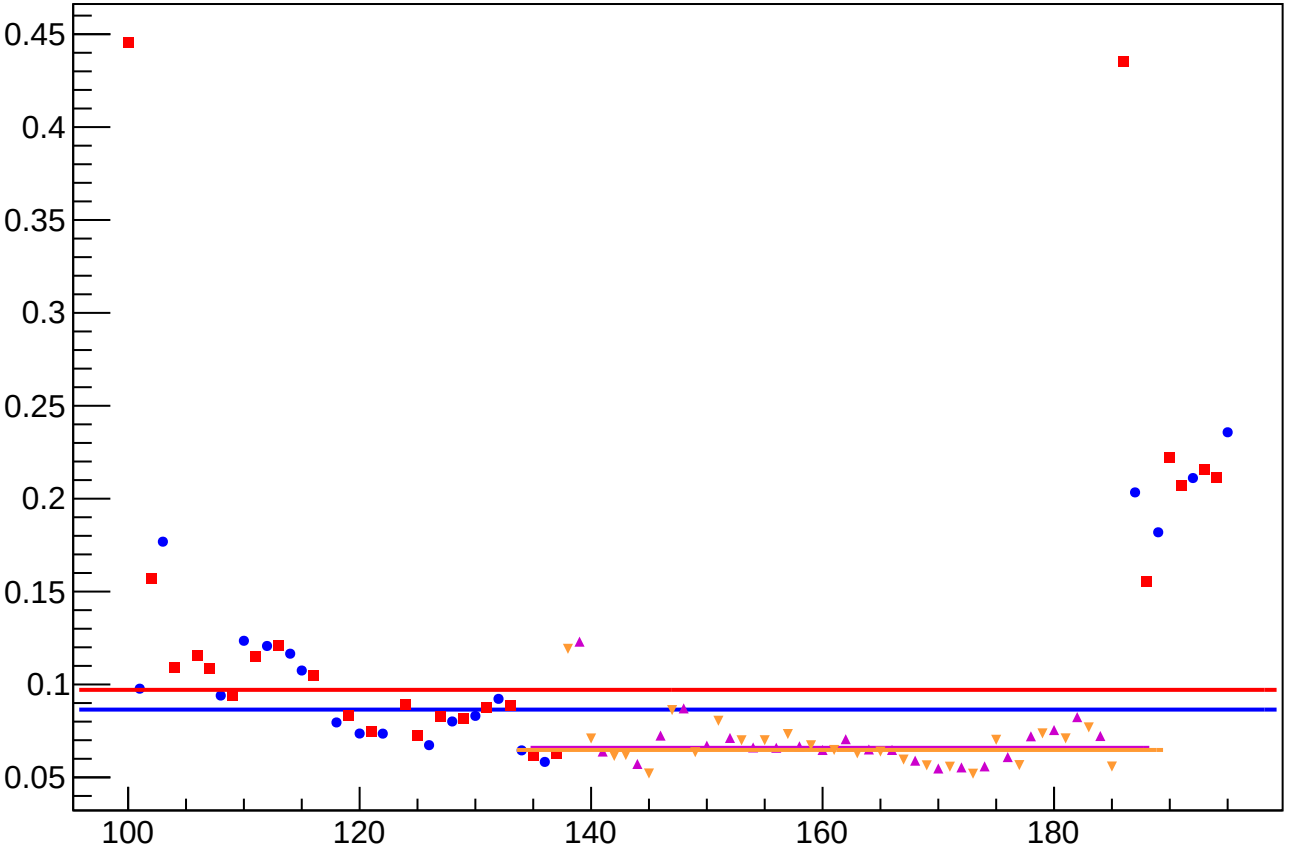
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.396+/-0.000 χ^2/NDF: 4192808245.5/44

All: 15.436+/-0.000 χ^2/NDF: 8304185238.4/9

- sign 15.479+/-0.000 χ^2/NDF: 4095267886.0/47

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: 0.097+/-0.000 χ^2/NDF: 3045751.0/24

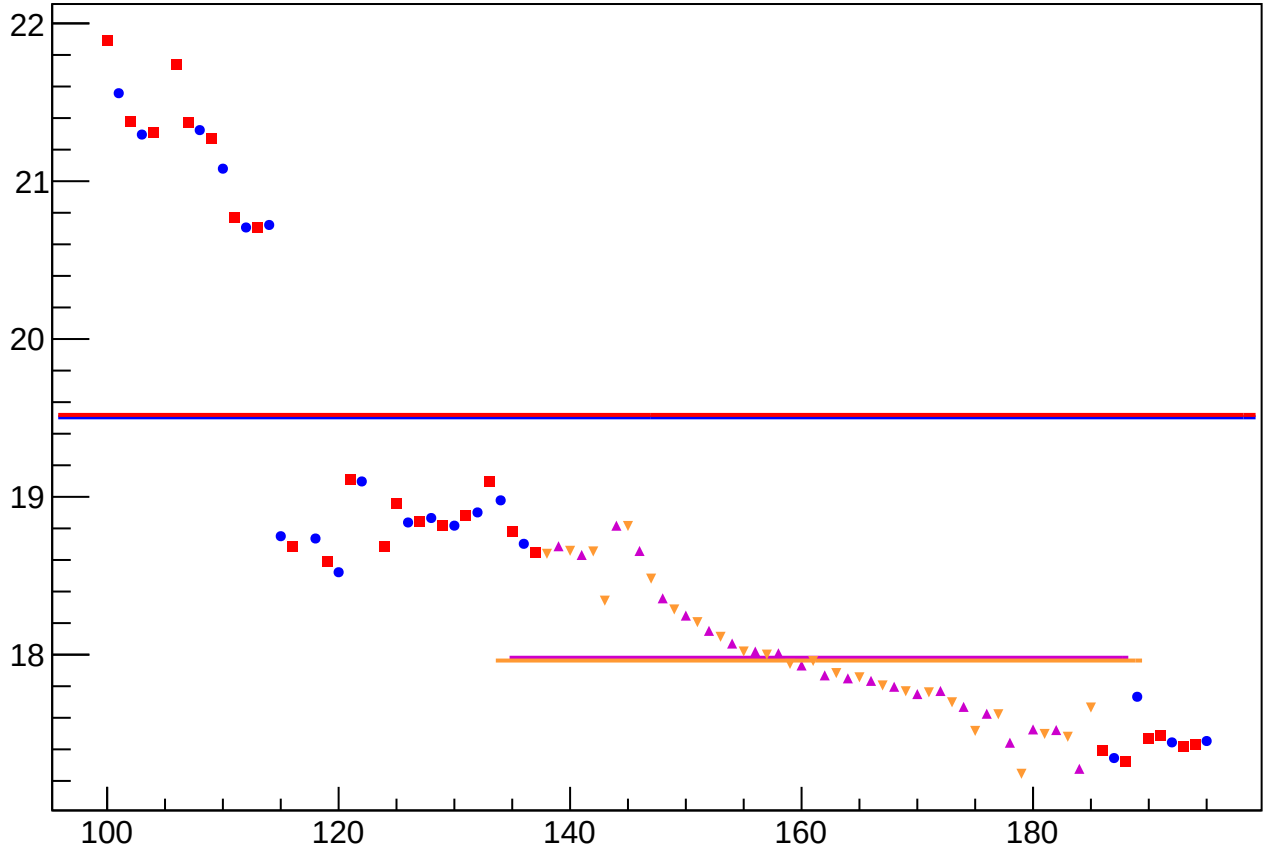
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.069+/-0.000 χ^2/NDF: 4358410.3/44

All: 0.071+/-0.000 χ^2/NDF: 9649462.5/92

- sign 0.072+/-0.000 χ^2/NDF: 5247220.2/47

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: 19.519+/-0.000 χ^2/NDF: 22231864761.0/24

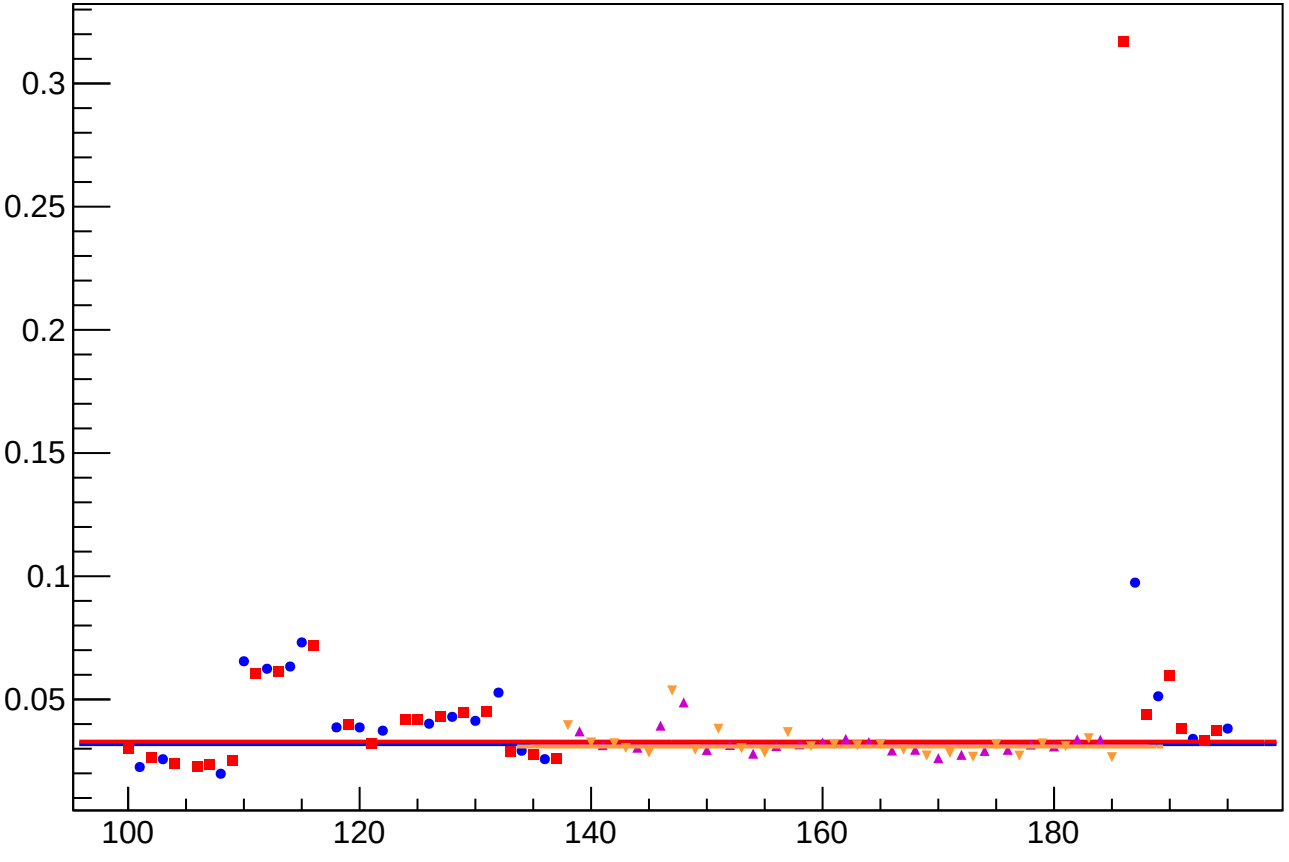
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.420+/-0.000 χ^2/NDF: 35589589422.6/44

All: 18.449+/-0.000 χ^2/NDF: 74274129127.4

- sign 18.478+/-0.000 χ^2/NDF: 38639103149.7/47

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: 2151014.7/24

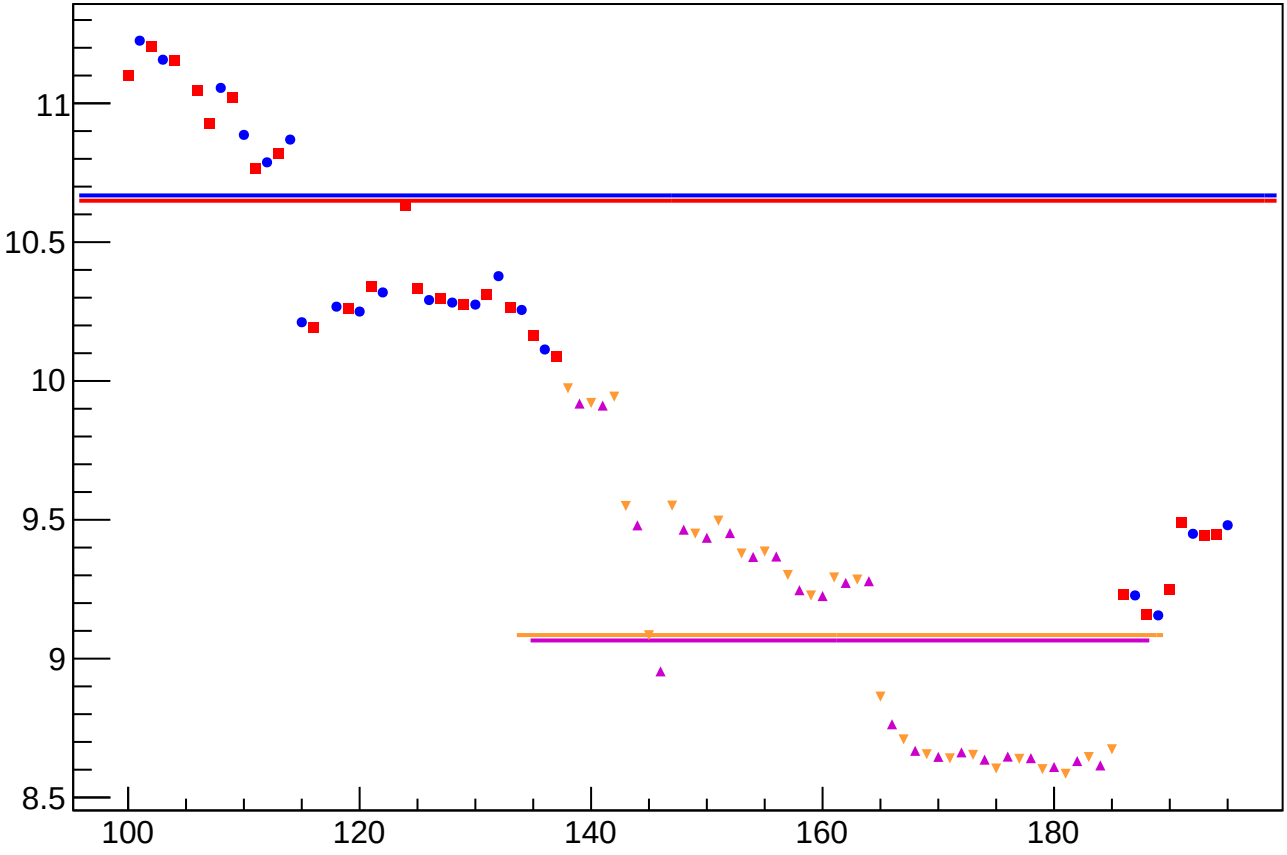
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2480222.4/44

All: 0.031+/-0.000 χ^2/NDF: 5156103.5/92

- sign 0.032+/-0.000 χ^2/NDF: 2668668.0/47

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: 10.649+/-0.000 χ^2/NDF: 8118269951.2/24

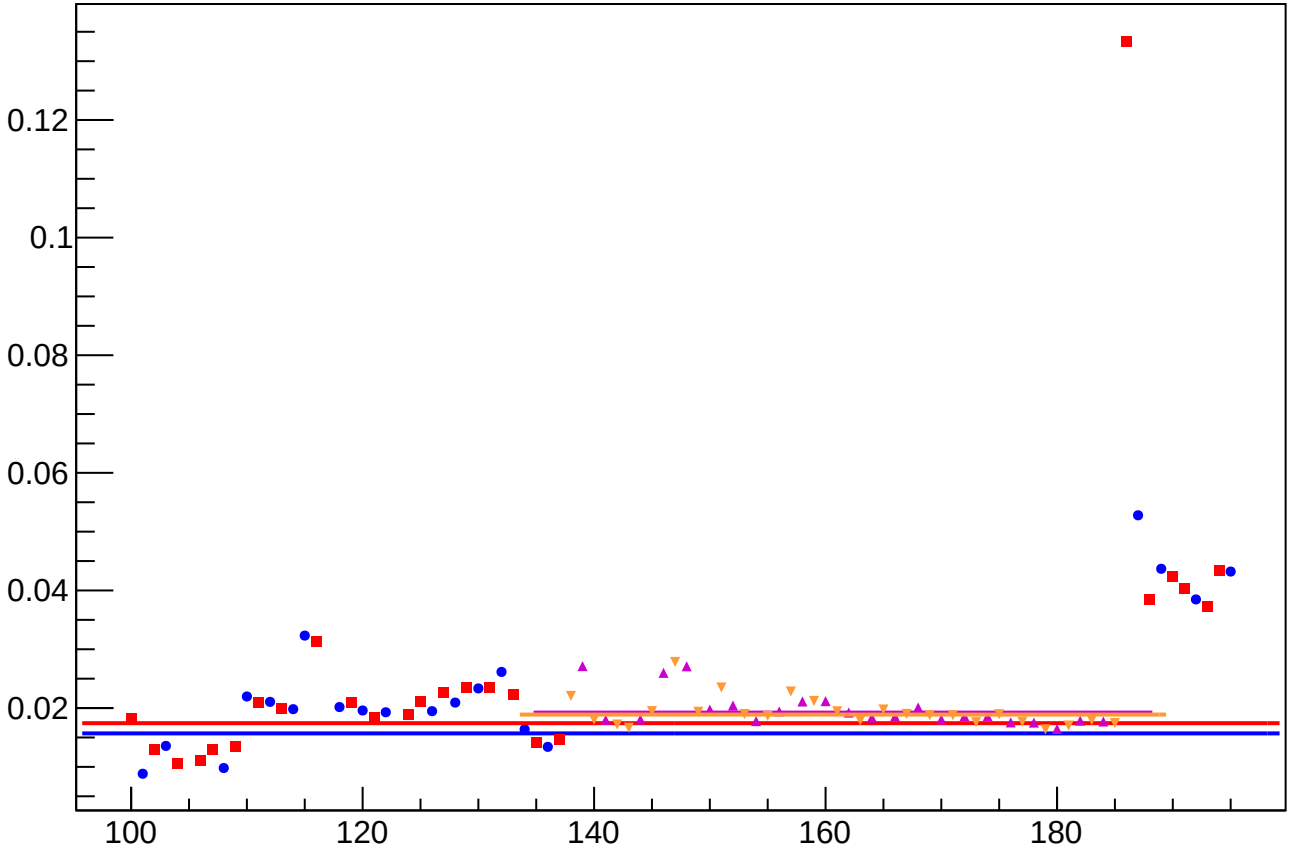
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.672+/-0.000 χ^2/NDF: 64371014021.6/44

All: 9.670+/-0.000 χ^2/NDF: 123320237126.2

- sign 9.668+/-0.000 χ^2/NDF: 58948708955.8/47

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: 0.017+/-0.000 χ^2/NDF: 3867192.8/24

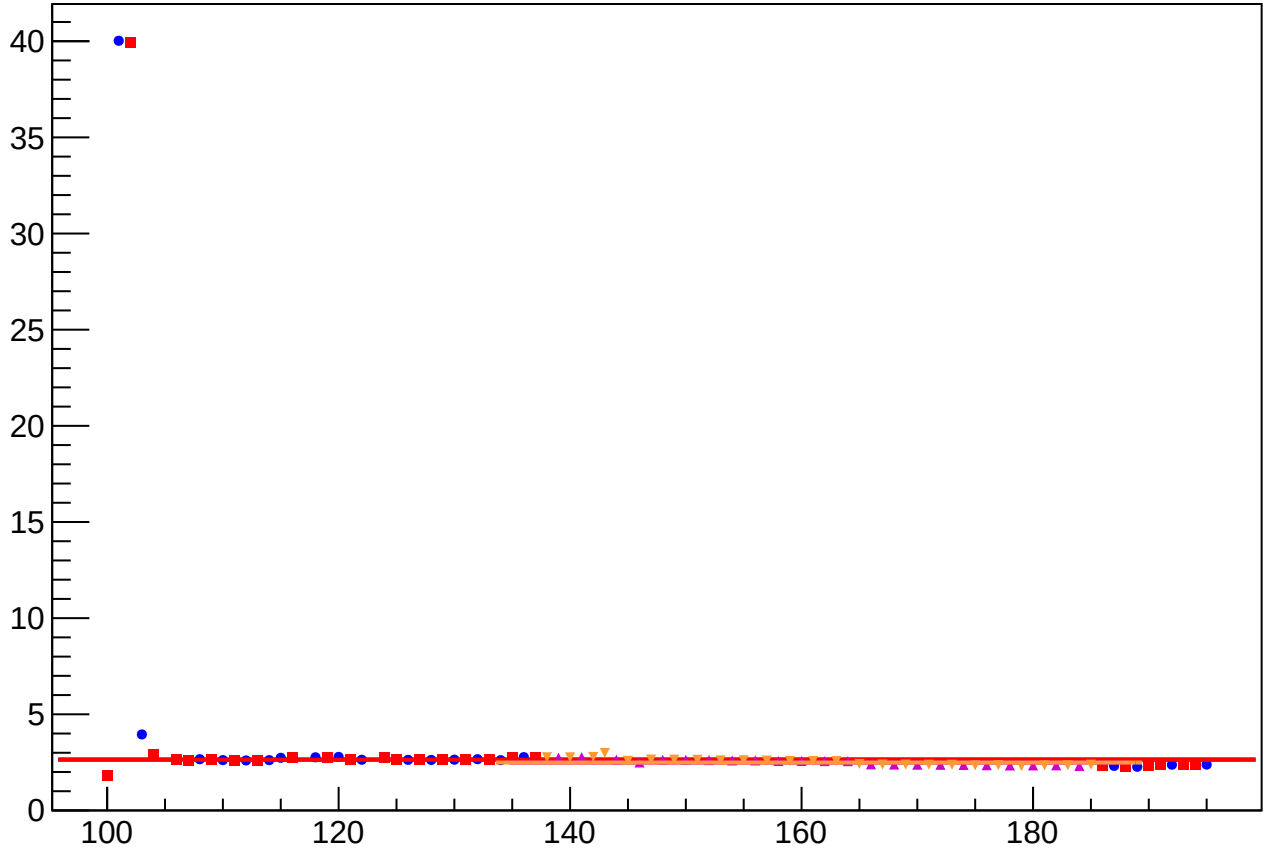
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 4353514.1/44

All: 0.018+/-0.000 χ^2/NDF: 8924999.7/92

- sign 0.019+/-0.000 χ^2/NDF: 4518612.8/47

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: 2.636+/-0.000 χ^2/NDF: 74311773063.6/24

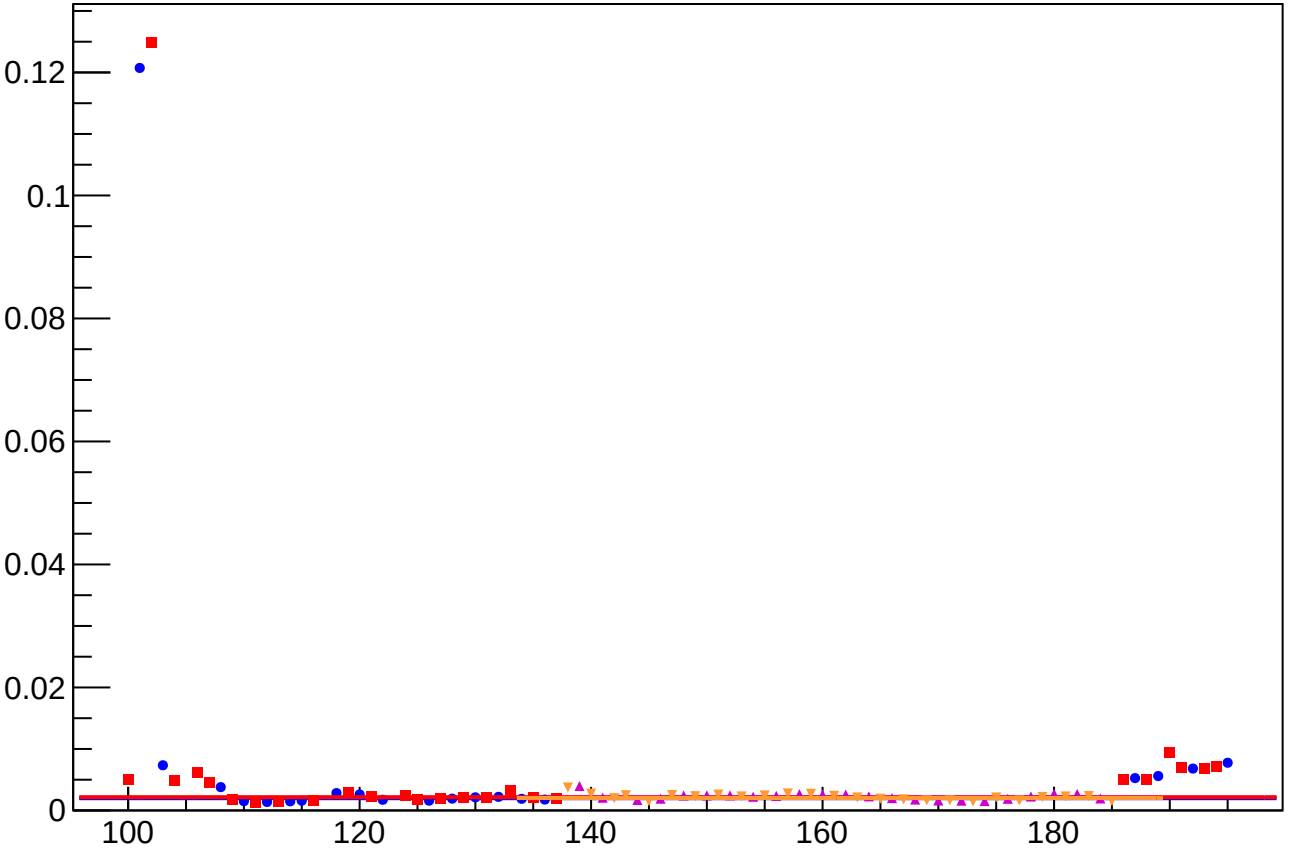
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.537+/-0.000 χ^2/NDF: 193506535946.5/44

All: 2.535+/-0.000 χ^2/NDF: 351785377919.2

- sign 2.533+/-0.000 χ^2/NDF: 158246792093.2/47

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: 5766753.6/24

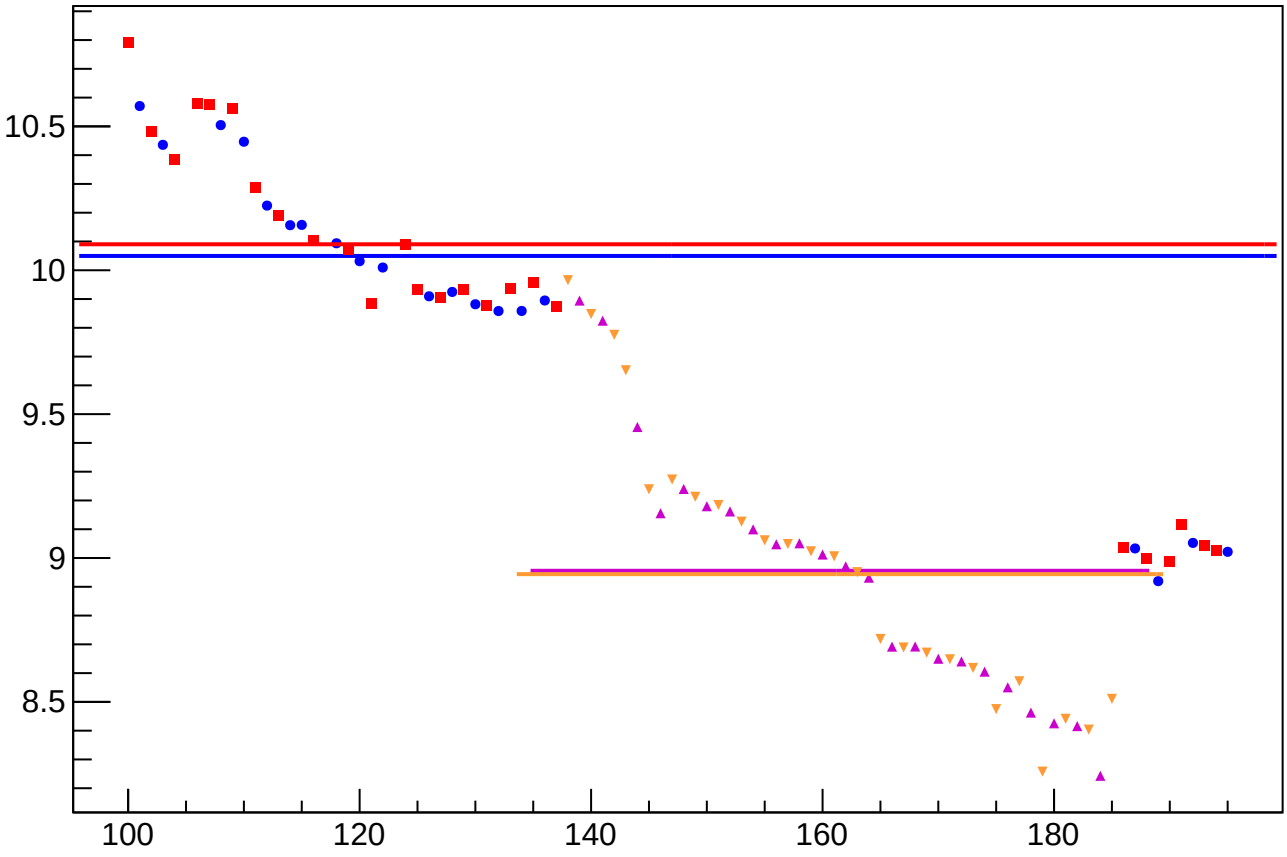
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 5897083.0/44

All: 0.002+/-0.000 χ^2/NDF: 13116067.5/92

- sign 0.002+/-0.000 χ^2/NDF: 7187153.4/47

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

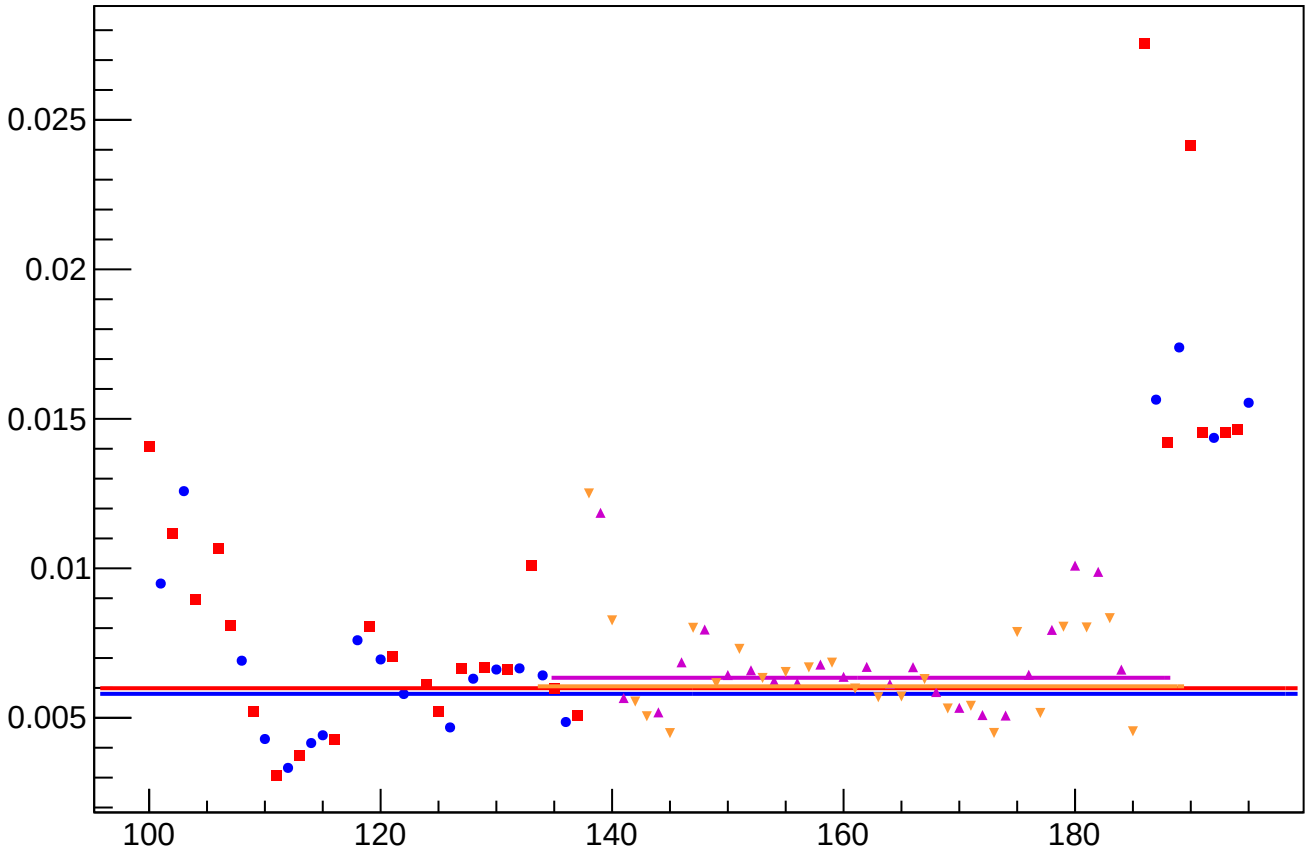
Right Out: 10.090+/-0.000 χ^2/NDF: 27036756839.5/24

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: 506099439296.3

- sign 9.374+/-0.000 χ^2/NDF: 250566095633.0/47



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: 4801256.0/24

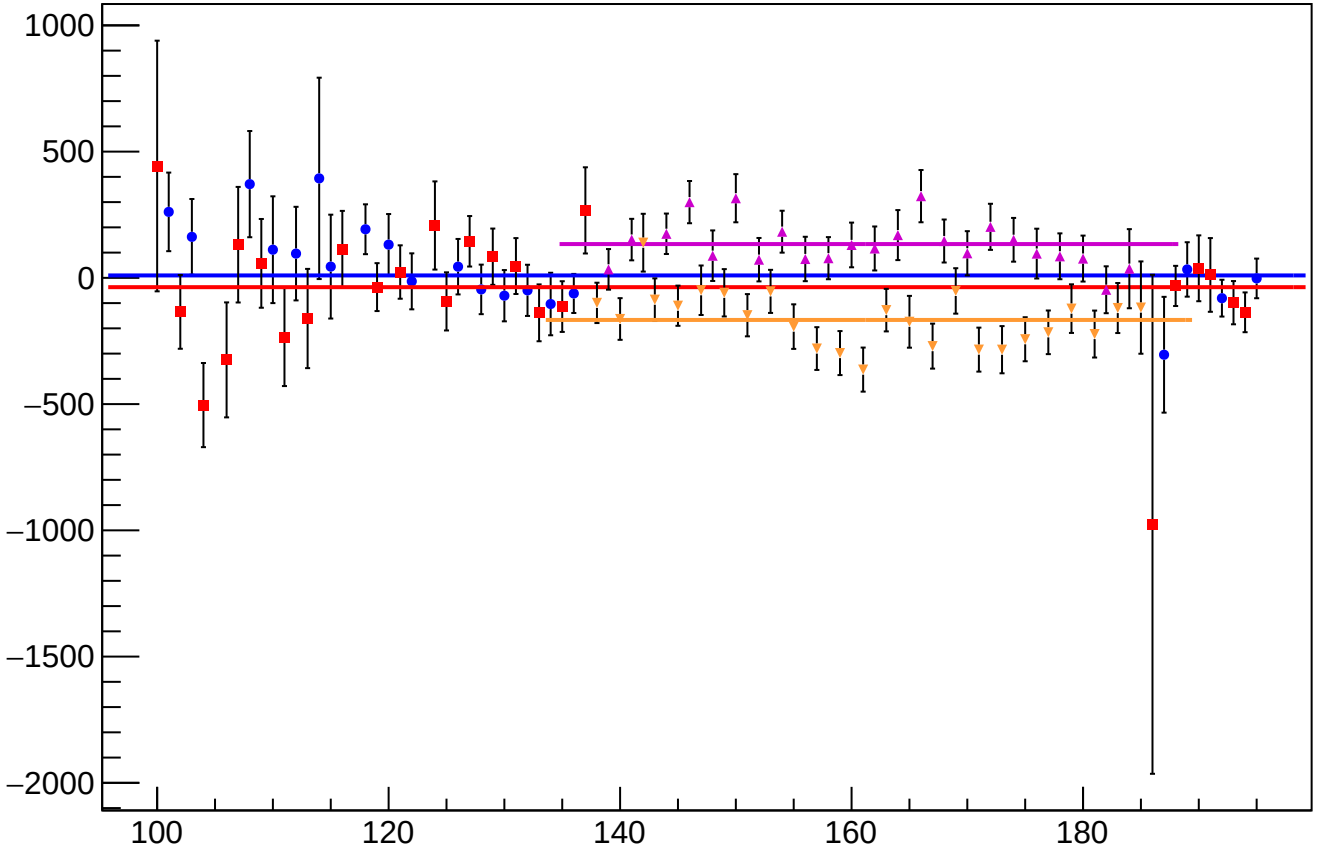
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 4783419.7/44

All: 0.006+/-0.000 χ^2/NDF: 10826818.3/92

- sign 0.006+/-0.000 χ^2/NDF: 6009147.8/47

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: -36.876+/-25.009 χ^2/NDF: 29.7/24

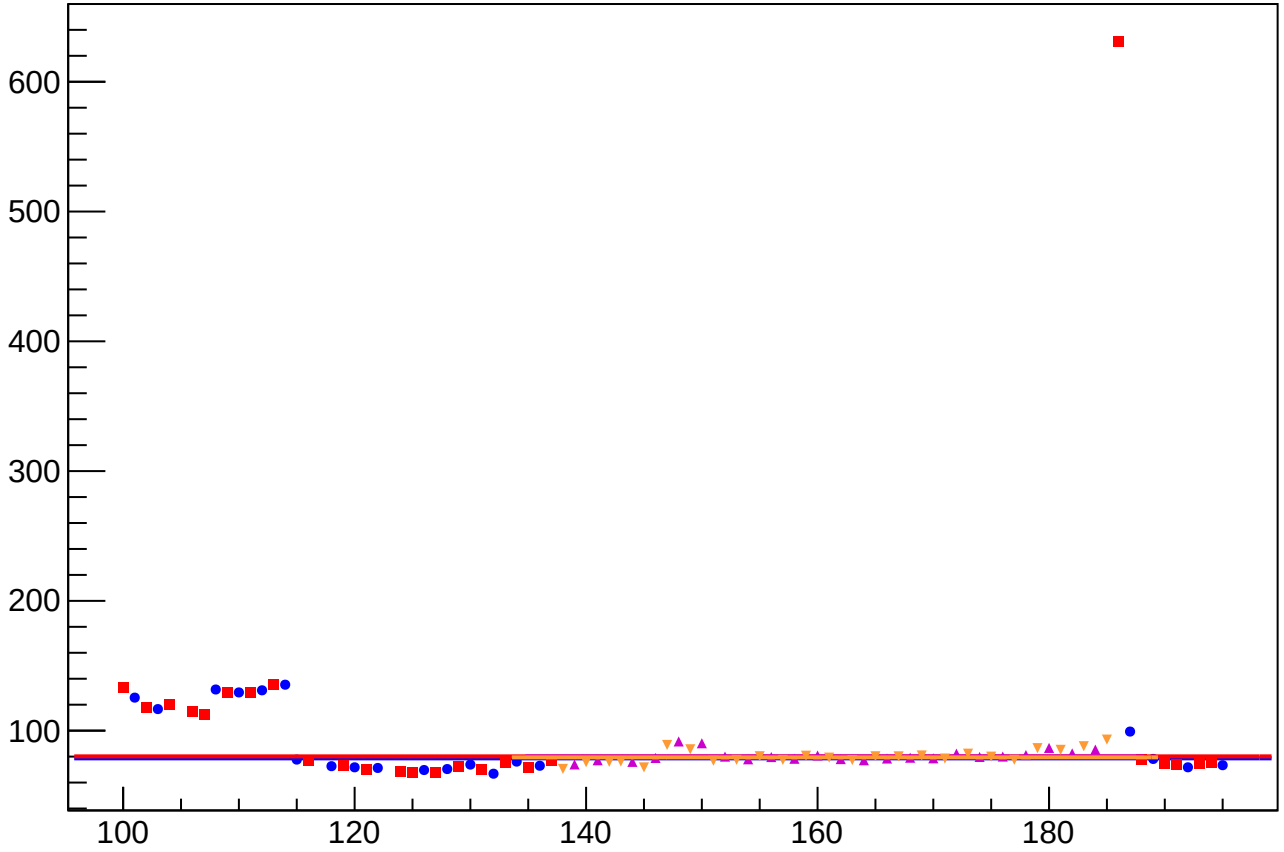
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -108.397+/-14.792 χ^2/NDF: 82.1/44

All: -19.297+/-10.534 χ^2/NDF: 236.0/92

- sign 72.389+/-15.005 χ^2/NDF: 80.2/47

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: 80.192+/-0.018 χ^2/NDF: 1583458.5/24

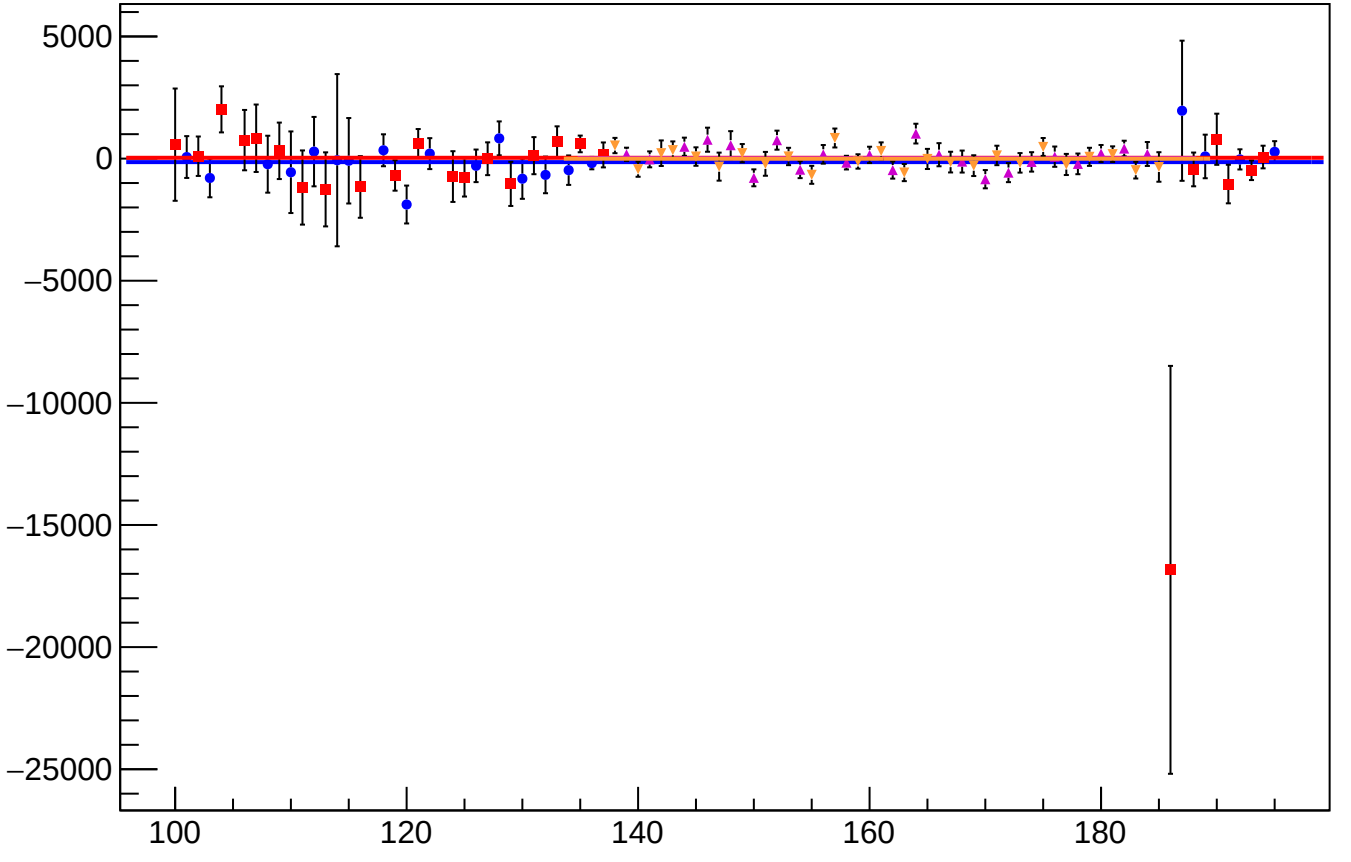
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.2/44

All: 79.658+/-0.007 χ^2/NDF: 2704781.4/92

- sign 80.172+/-0.011 χ^2/NDF: 1674930.1/47

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: 33.487+/-141.574 χ^2/NDF: 25.3/24

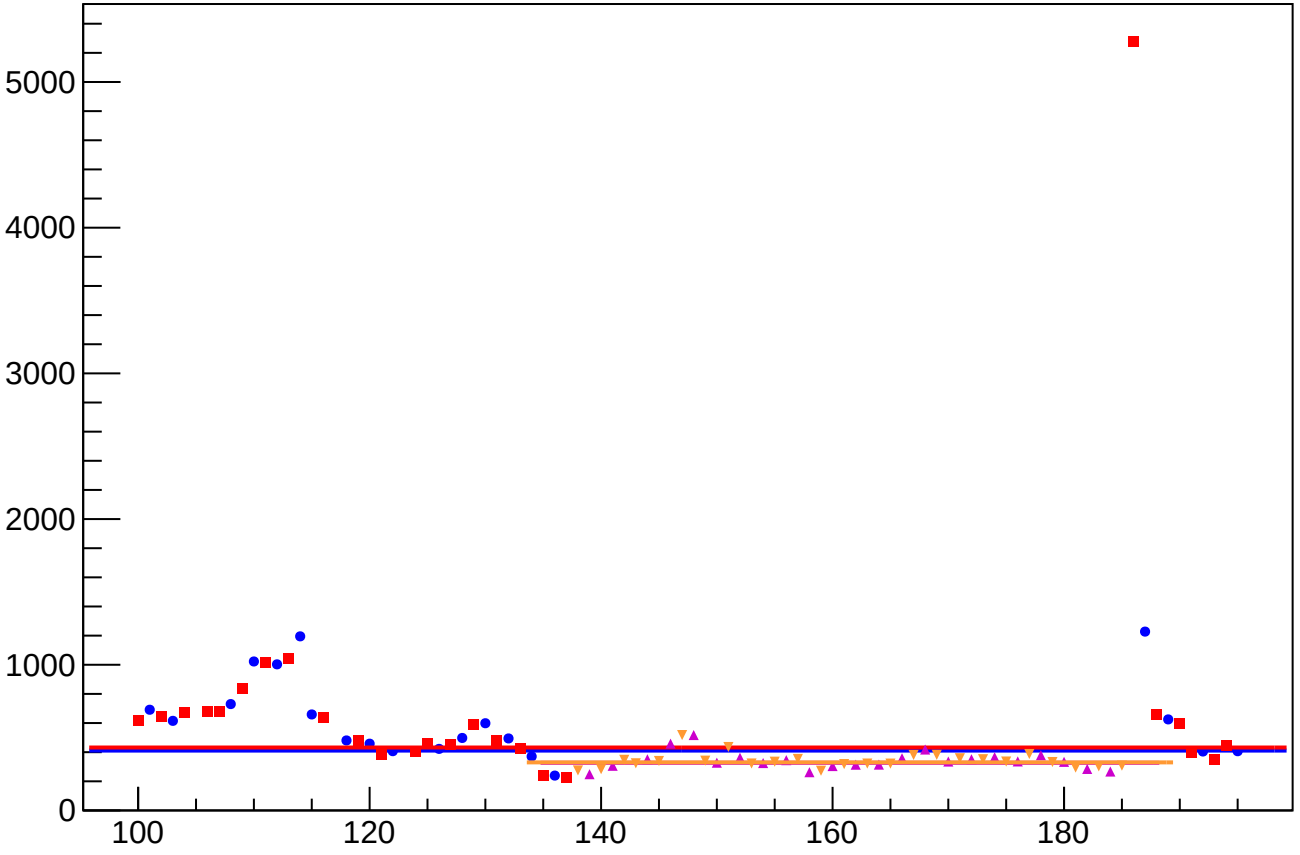
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -34.776+/-66.885 χ^2/NDF: 36.7/44

All: -6.579+/-47.687 χ^2/NDF: 97.4/92

\- sign 22.572+/-68.008 χ^2/NDF: 60.3/47

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: 432.067+/-0.100 χ^2/NDF: 3399864.0/24

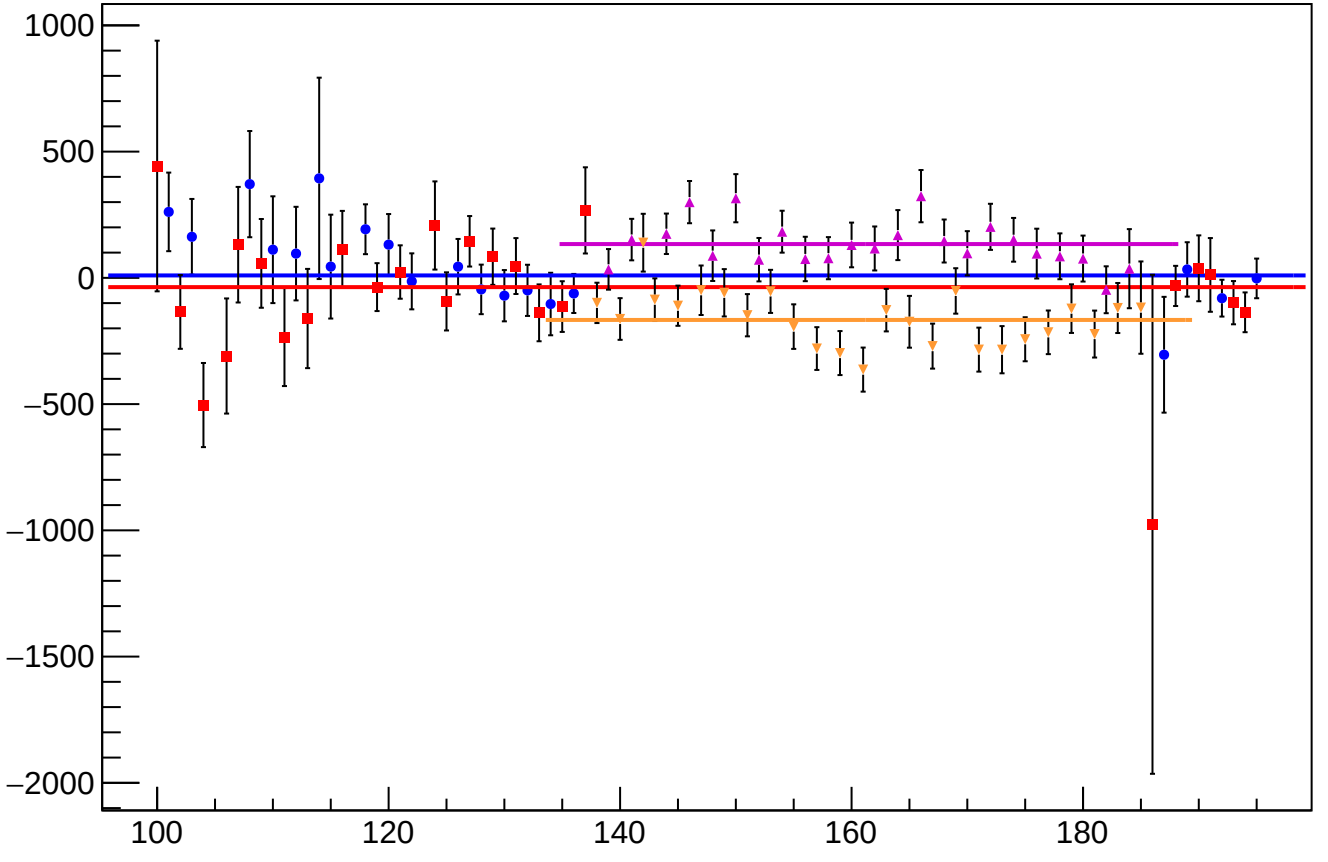
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 347.998+/-0.047 χ^2/NDF: 3809631.4/44

All: 349.580+/-0.034 χ^2/NDF: 8959031.3/92

- sign 351.217+/-0.048 χ^2/NDF: 5147122.5/47

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: -36.683+/-25.010 χ^2/NDF: 29.5/24

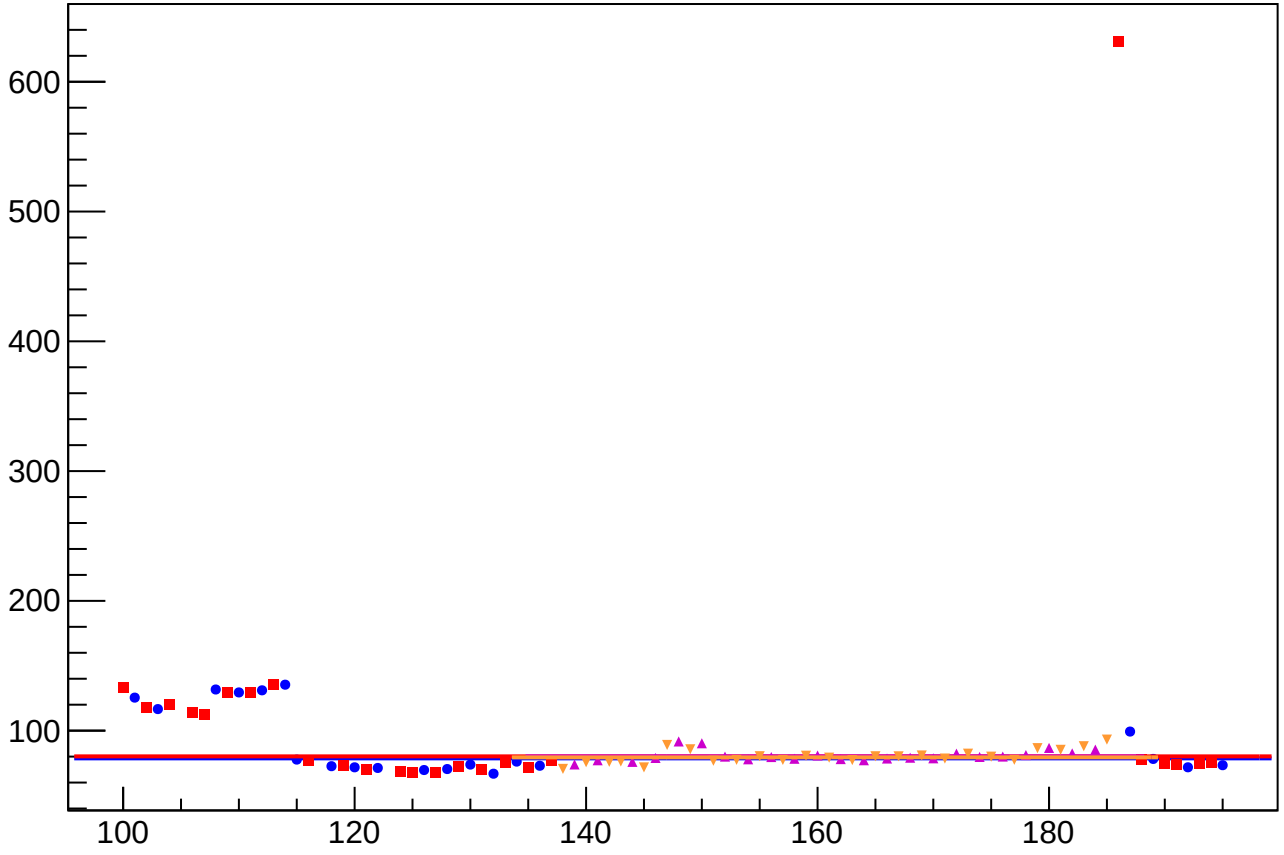
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -108.394+/-14.792 χ^2/NDF: 82.1/44

All: -19.259+/-10.534 χ^2/NDF: 235.8/92

- sign 72.464+/-15.005 χ^2/NDF: 80.0/47

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: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

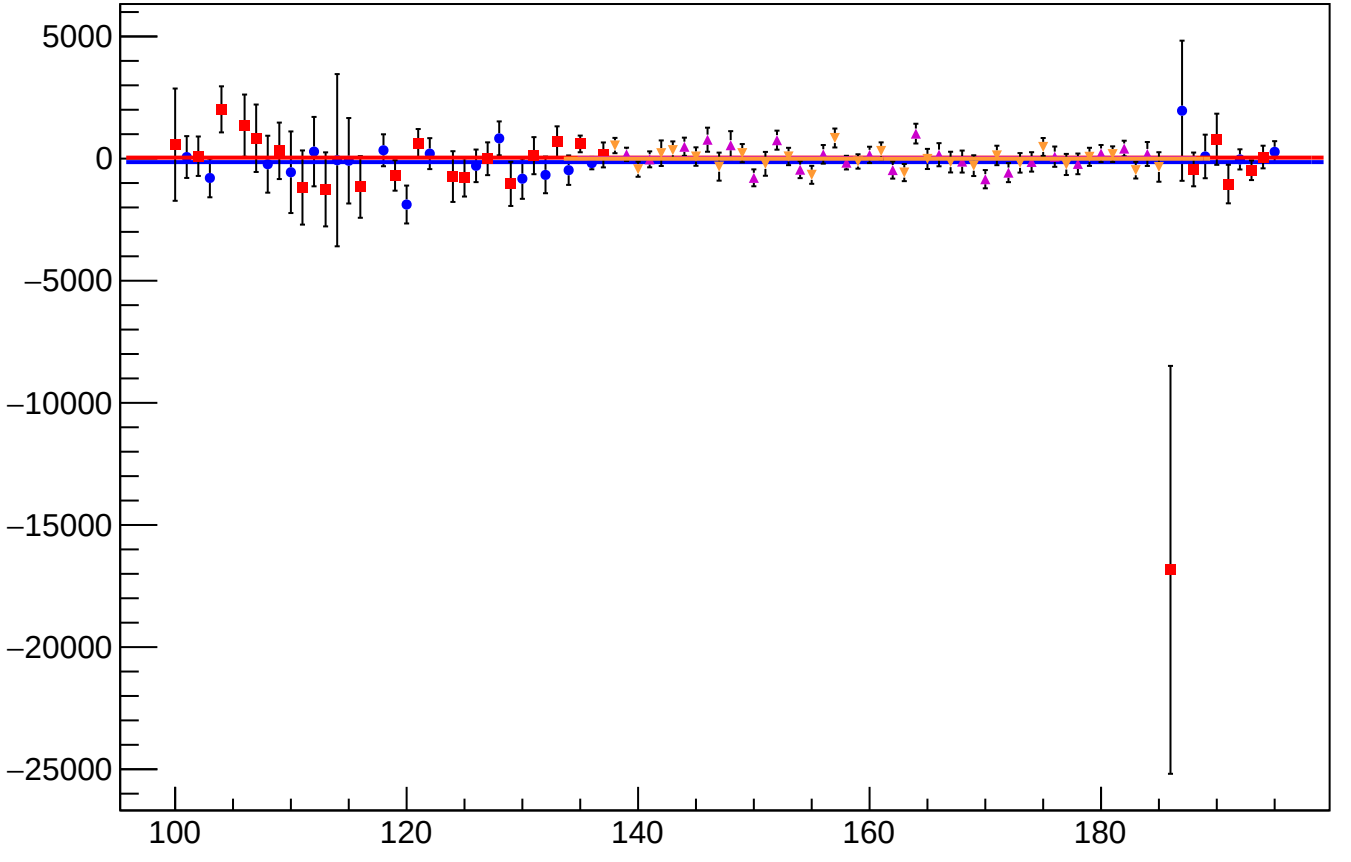
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.4/44

All: 79.656+/-0.007 χ^2/NDF: 2702764.6/92

- sign 80.168+/-0.011 χ^2/NDF: 1672945.3/47

asym_sam1_cor_correction_mean vs Slug



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: 40.236+/-141.630 χ^2/NDF: 26.0/24

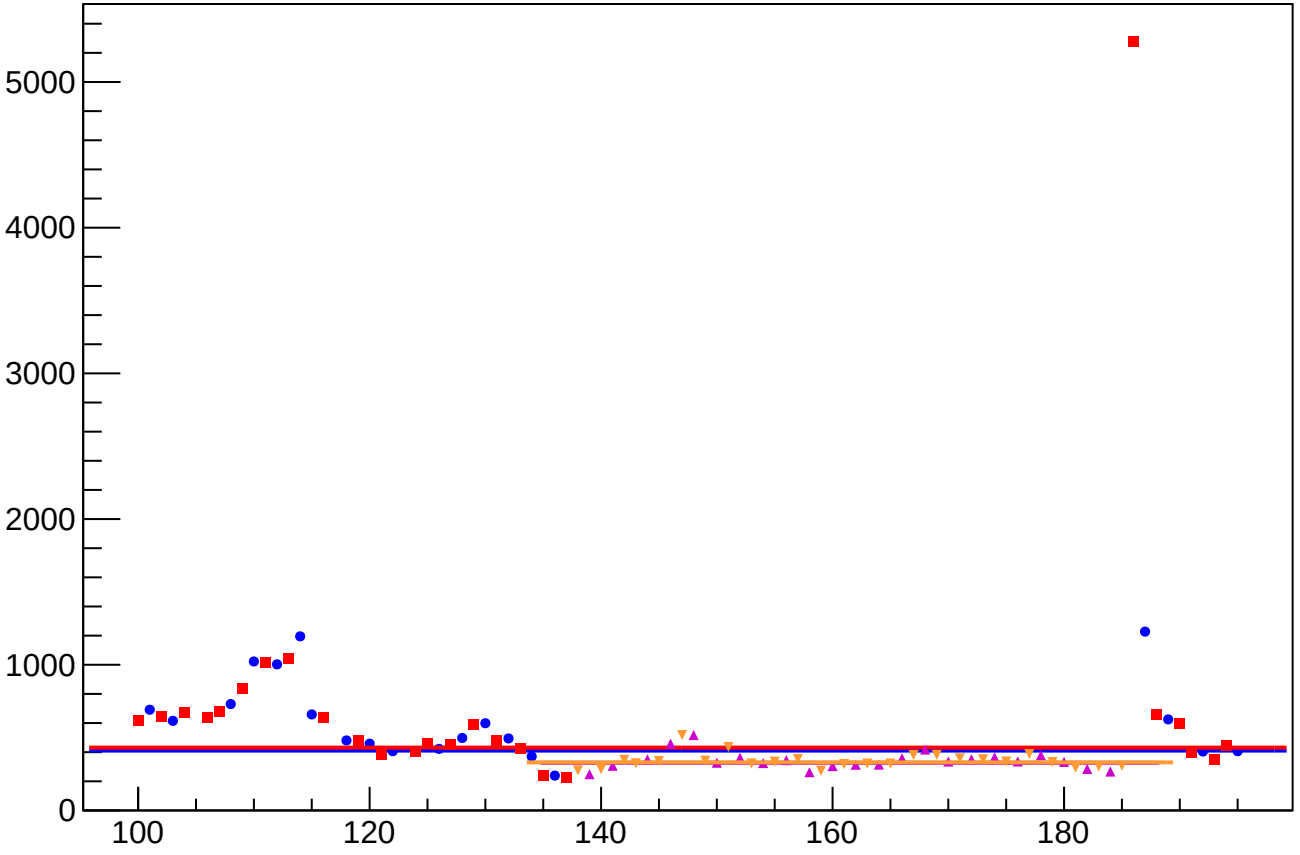
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -34.776+/-66.886 χ^2/NDF: 36.7/44

All: -5.815+/-47.689 χ^2/NDF: 98.1/92

\- sign 24.132+/-68.014 χ^2/NDF: 61.1/47

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: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

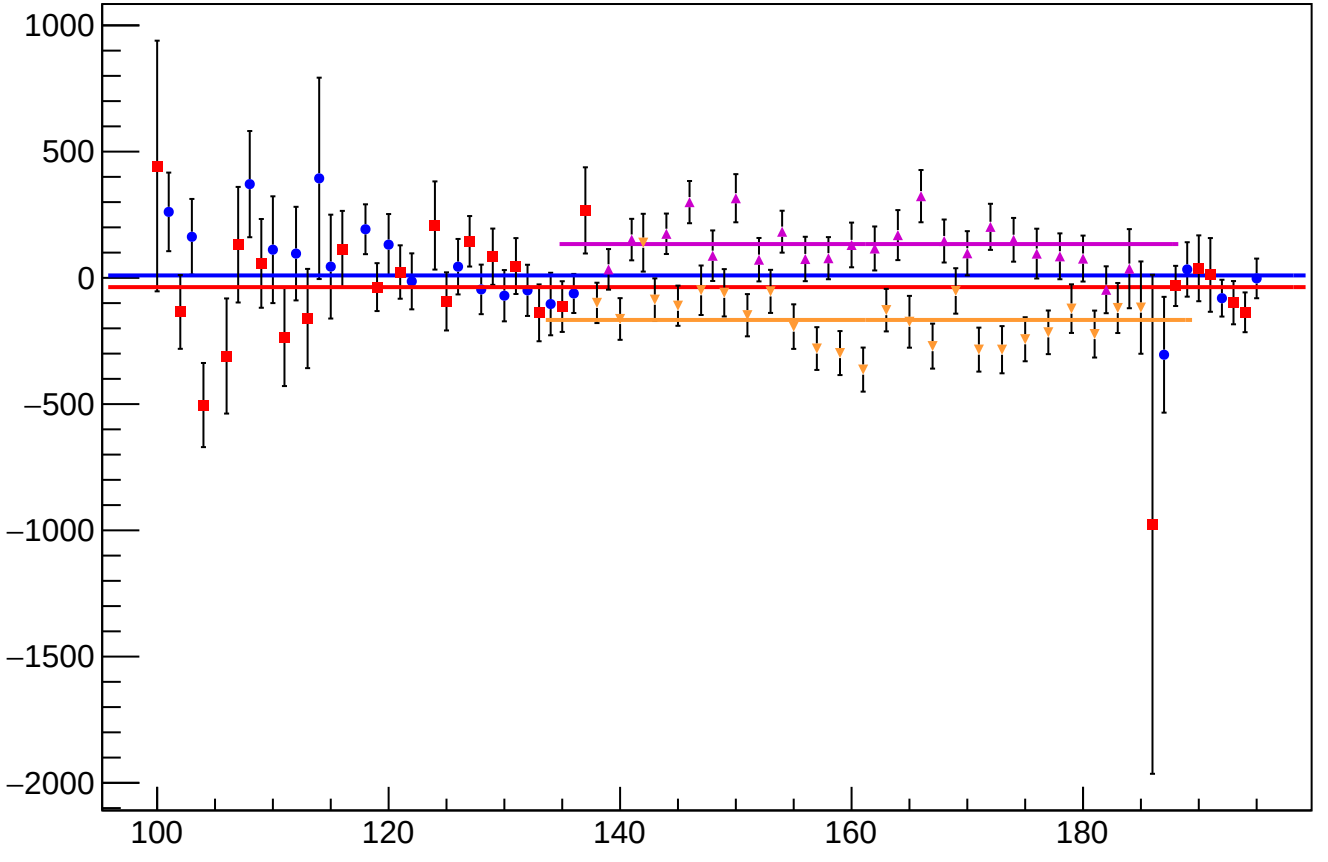
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 347.998+/-0.047 χ^2/NDF: 3809637.1/44

All: 349.496+/-0.034 χ^2/NDF: 8920446.5/92

- sign 351.045+/-0.048 χ^2/NDF: 5108768.4/47

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: -36.683+/-25.010 χ^2/NDF: 29.5/24

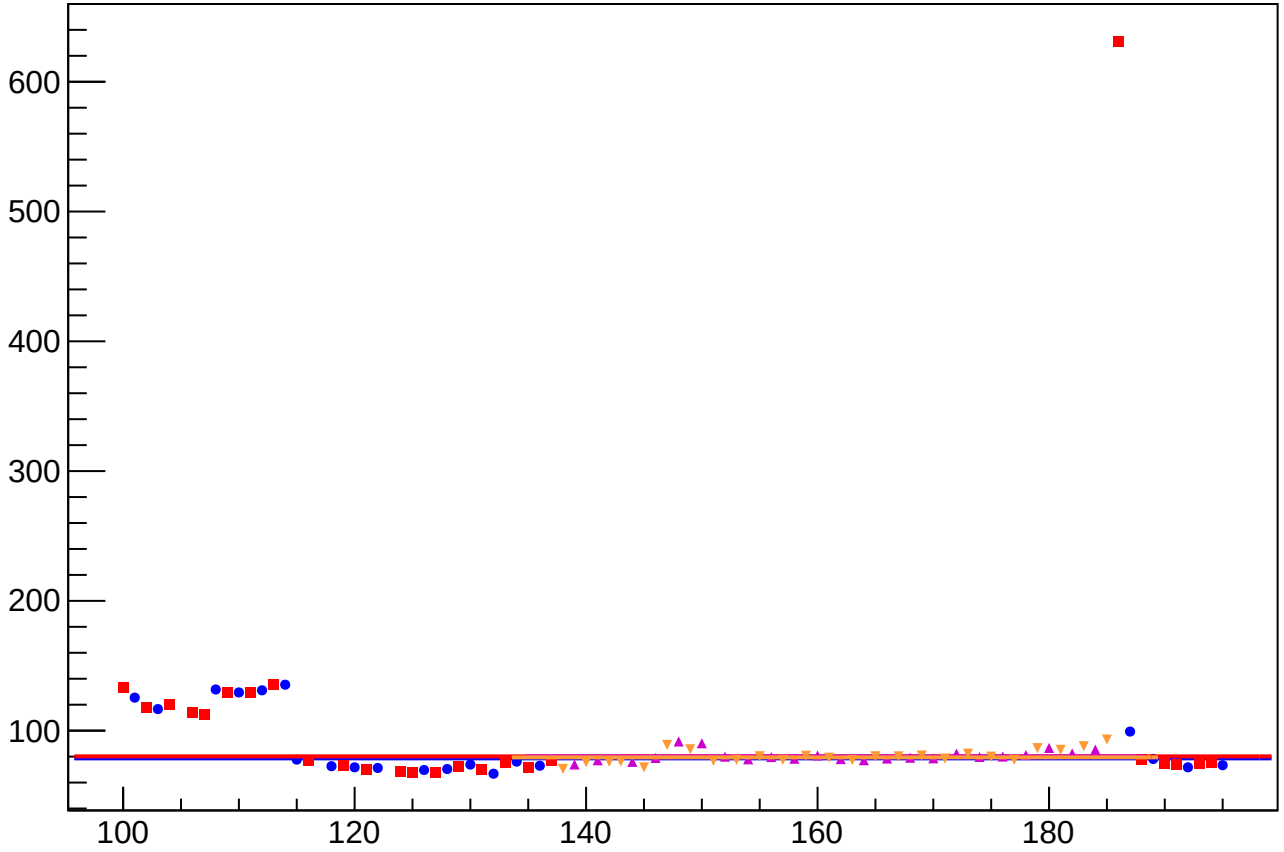
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -108.394+/-14.792 χ^2/NDF: 82.1/44

All: -19.259+/-10.534 χ^2/NDF: 235.8/92

- sign 72.464+/-15.005 χ^2/NDF: 80.0/47

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

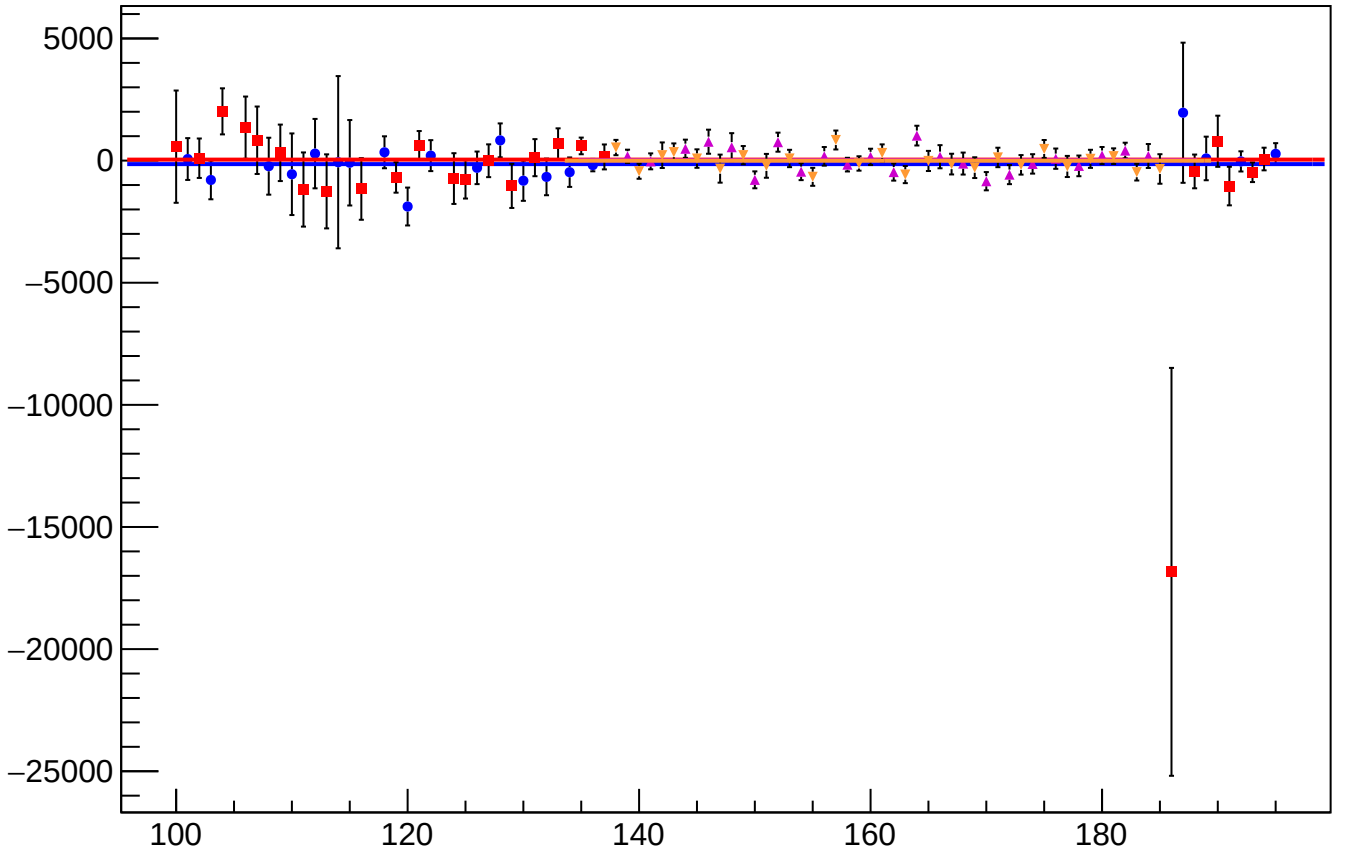
Right Out: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.159+/-0.010 χ^2/NDF: 1025233.4/44

All: 79.656+/-0.007 χ^2/NDF: 2702764.6/92

- sign 80.168+/-0.011 χ^2/NDF: 1672945.3/47



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: 40.236+/-141.630 χ^2/NDF: 26.0/24

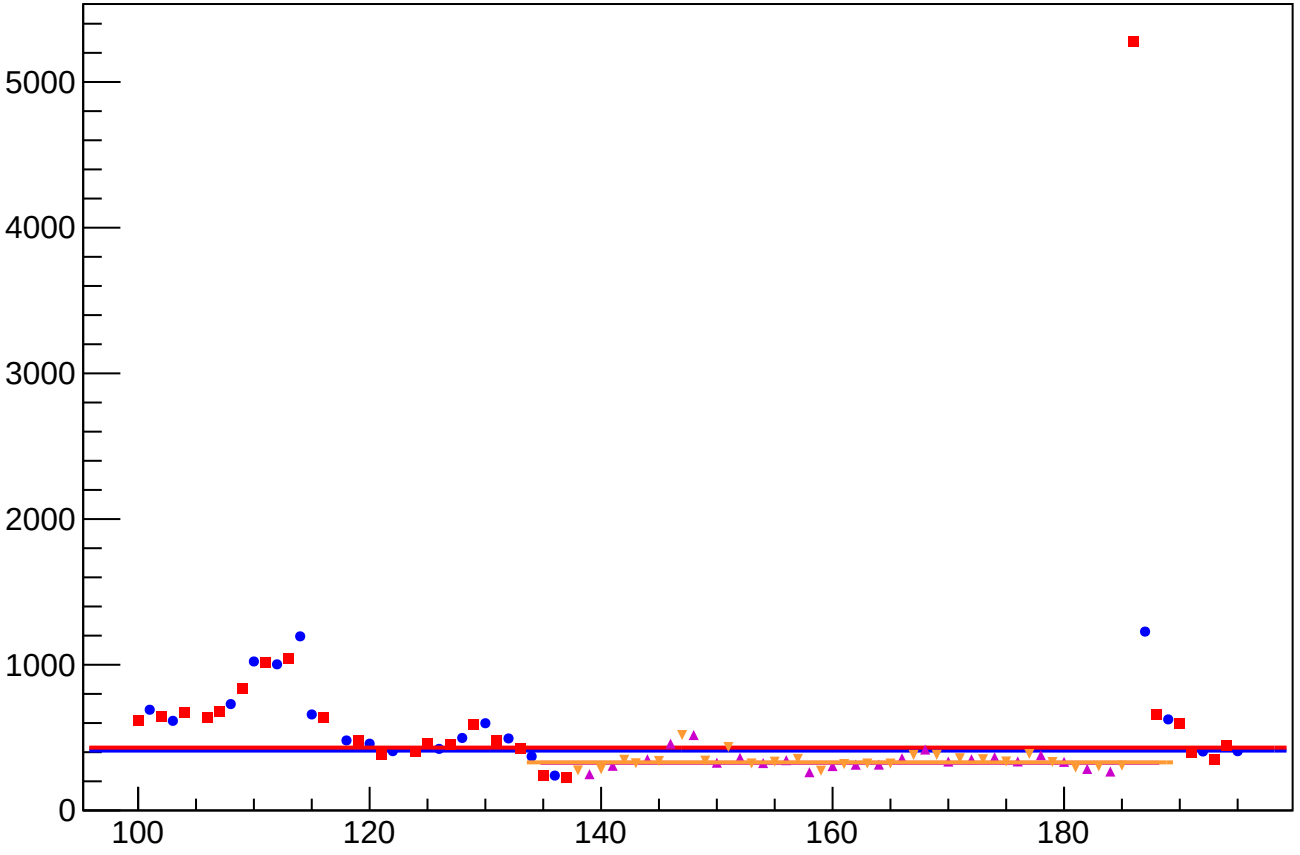
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -34.776+/-66.886 χ^2/NDF: 36.7/44

All: -5.815+/-47.689 χ^2/NDF: 98.1/92

- sign 24.132+/-68.014 χ^2/NDF: 61.1/47

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: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

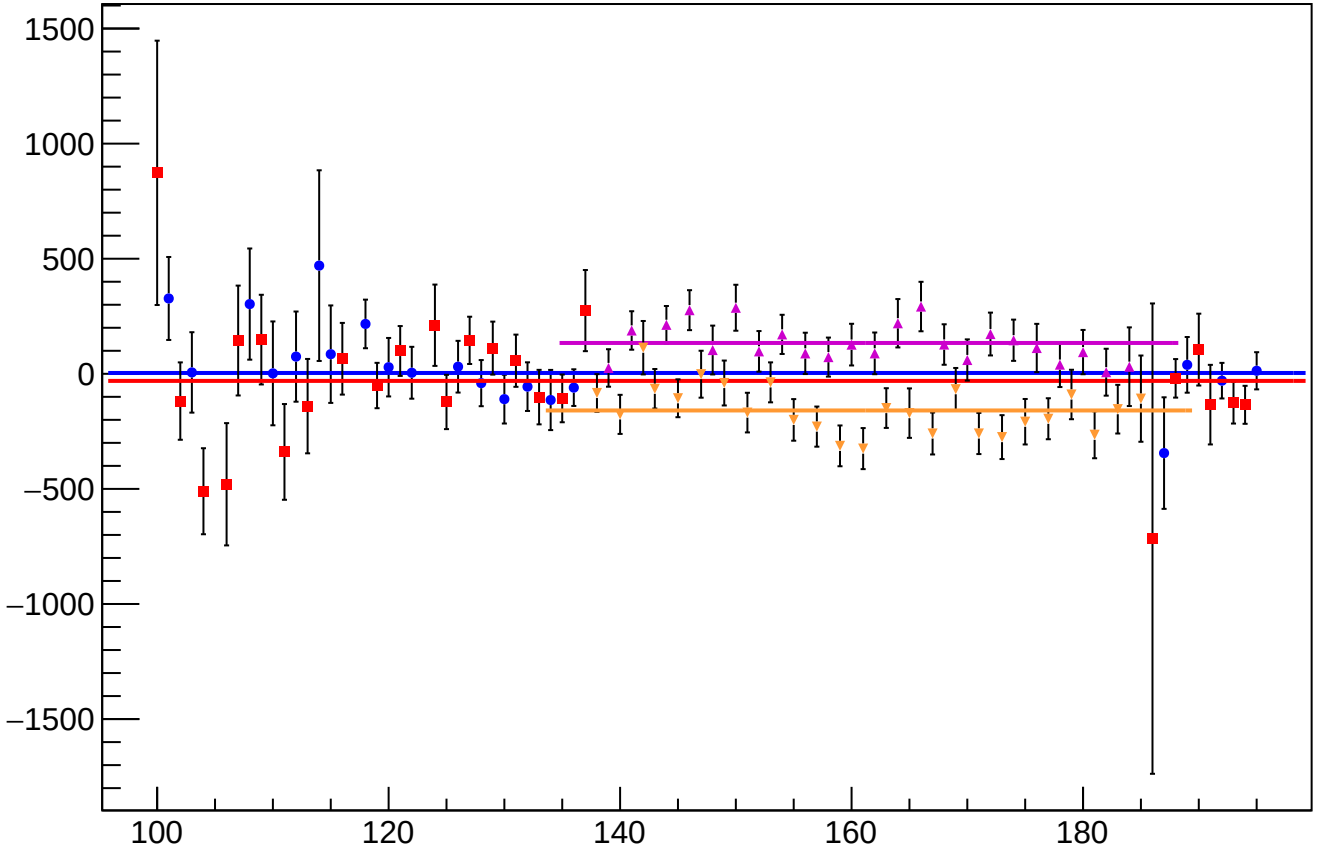
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 347.998+/-0.047 χ^2/NDF: 3809637.1/44

All: 349.496+/-0.034 χ^2/NDF: 8920446.5/92

\- sign 351.045+/-0.048 χ^2/NDF: 5108768.4/47

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: -30.796+/-26.381 χ^2/NDF: 33.6/24

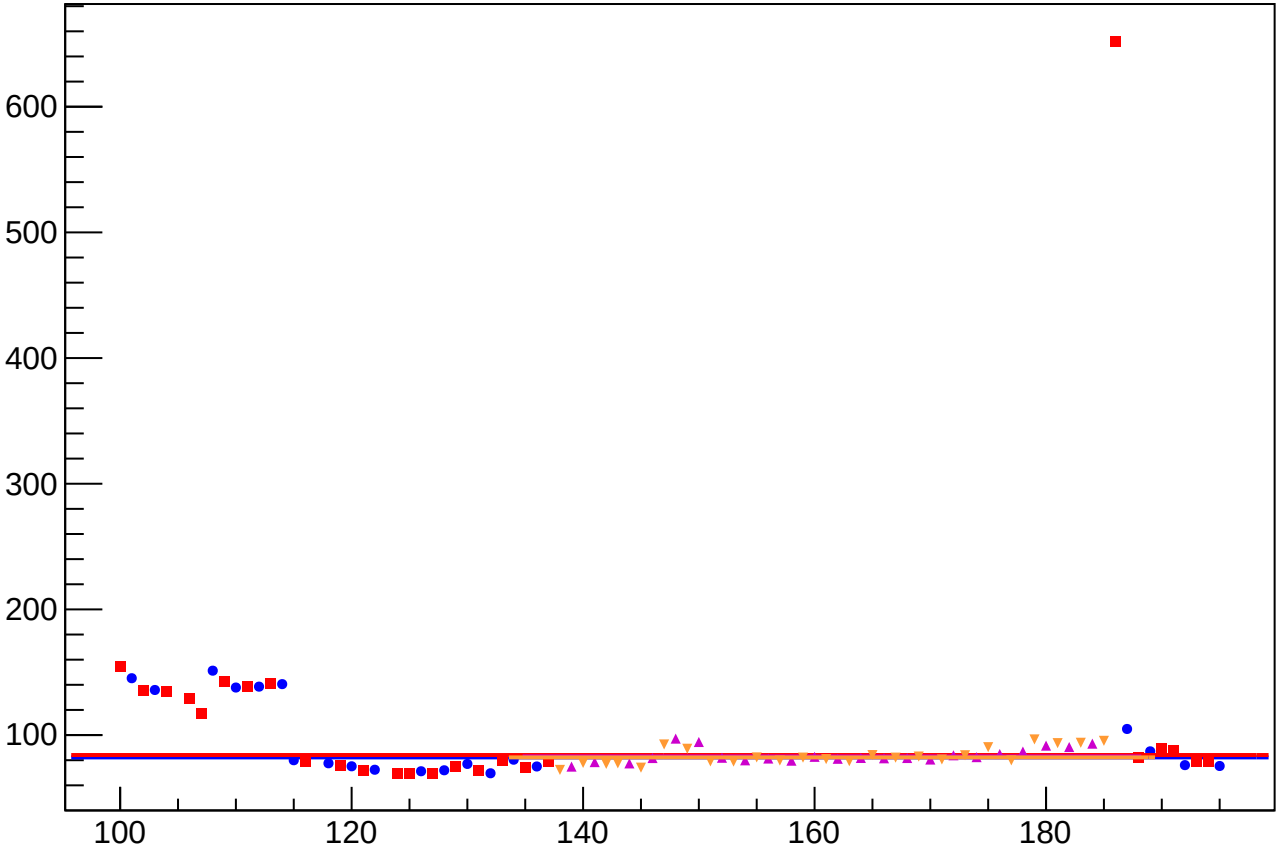
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -106.415+/-15.413 χ^2/NDF: 68.6/44

All: -16.596+/-10.982 χ^2/NDF: 212.9/92

- sign 76.010+/-15.650 χ^2/NDF: 75.4/47

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: 84.119+/-0.019 χ^2/NDF: 1757855.1/24

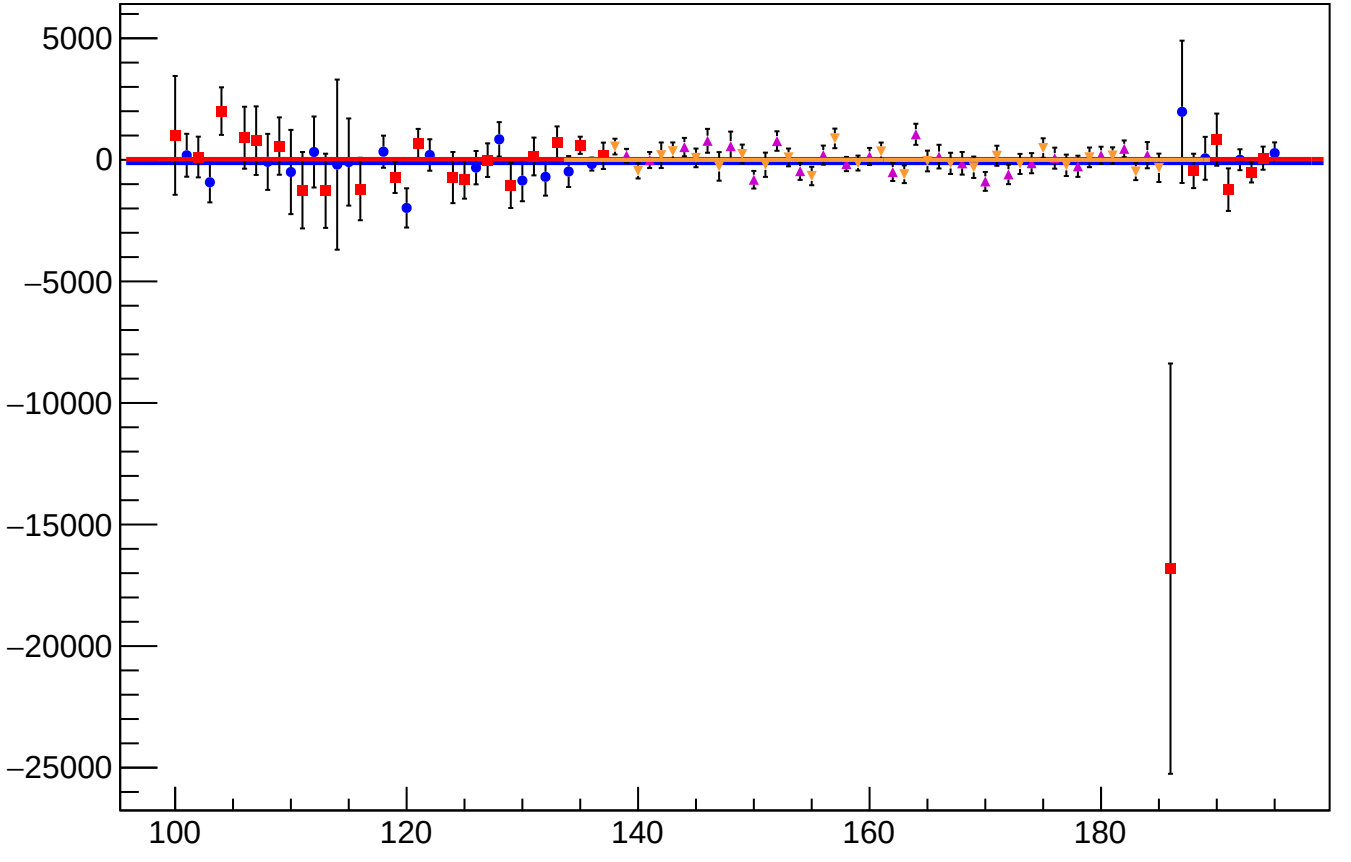
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.244+/-0.011 χ^2/NDF: 1302805.8/44

All: 82.808+/-0.008 χ^2/NDF: 3214069.6/92

- sign 83.389+/-0.011 χ^2/NDF: 1905823.8/47

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: 37.154+/-146.577 χ^2/NDF: 25.5/24

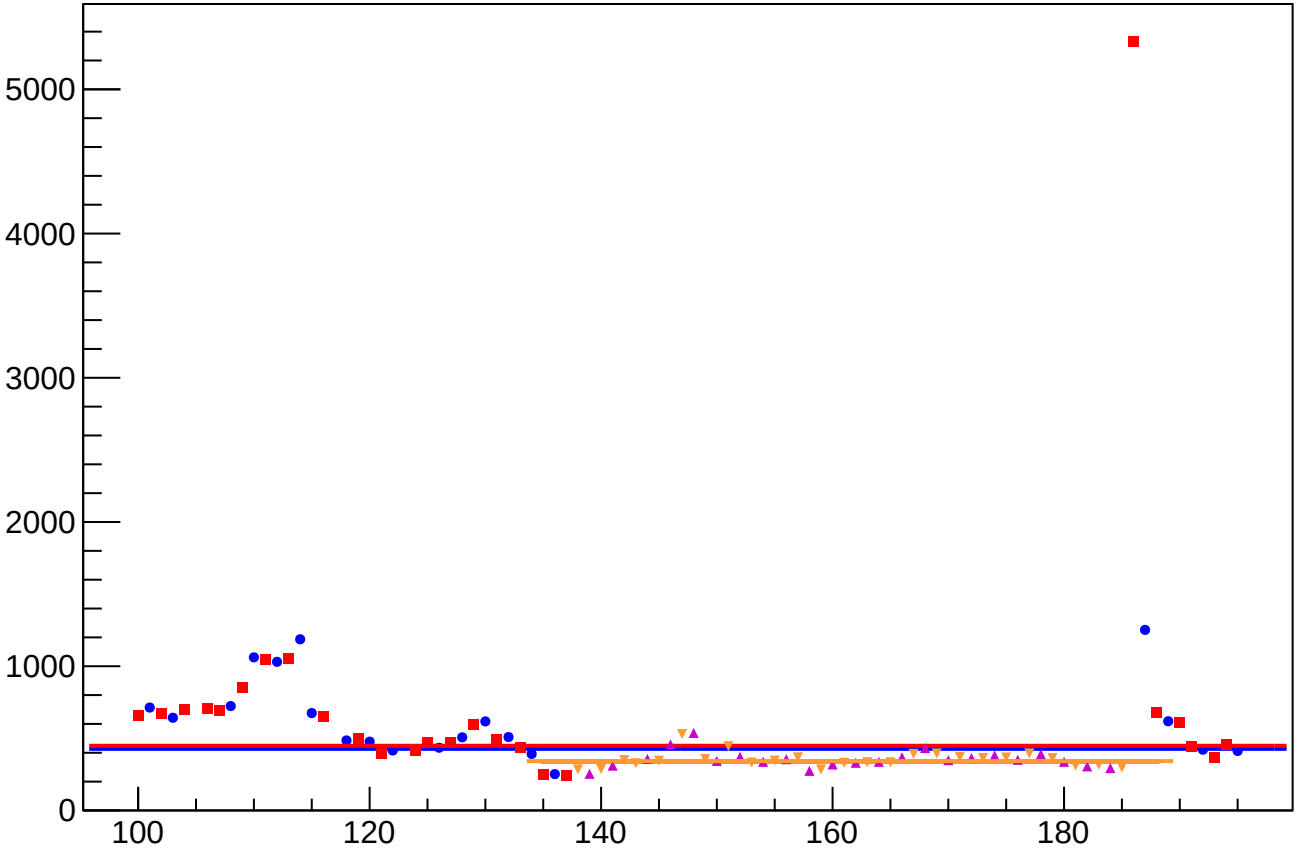
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -32.411+/-69.273 χ^2/NDF: 36.4/44

All: -6.030+/-49.411 χ^2/NDF: 97.2/92

\- sign 21.292+/-70.498 χ^2/NDF: 60.5/47

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: 448.549+/-0.104 χ^2/NDF: 3312461.9/24

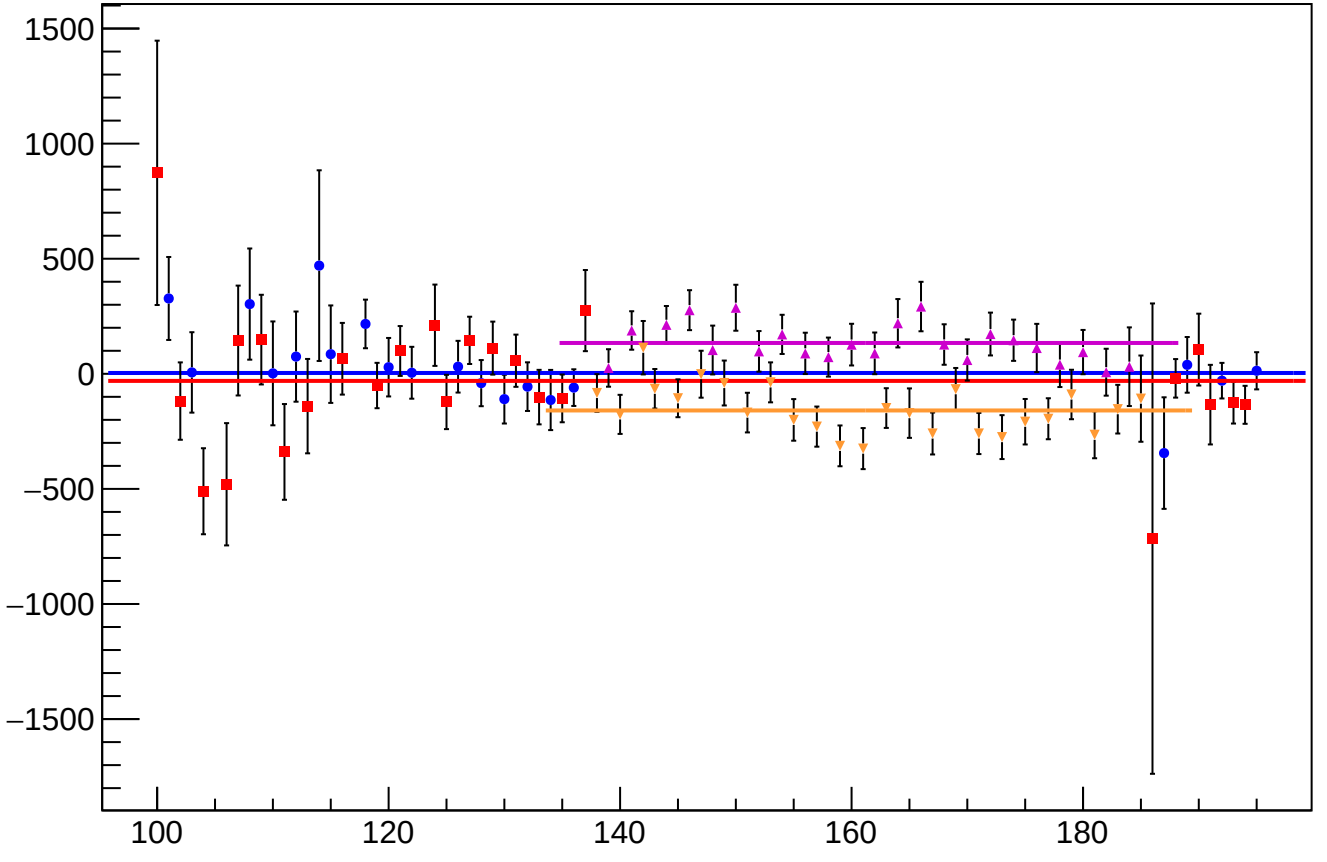
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 360.917+/-0.049 χ^2/NDF: 3691635.4/44

All: 362.762+/-0.035 χ^2/NDF: 8705693.5/92

- sign 364.672+/-0.050 χ^2/NDF: 5011171.7/47

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: -30.796+/-26.381 χ^2/NDF: 33.6/24

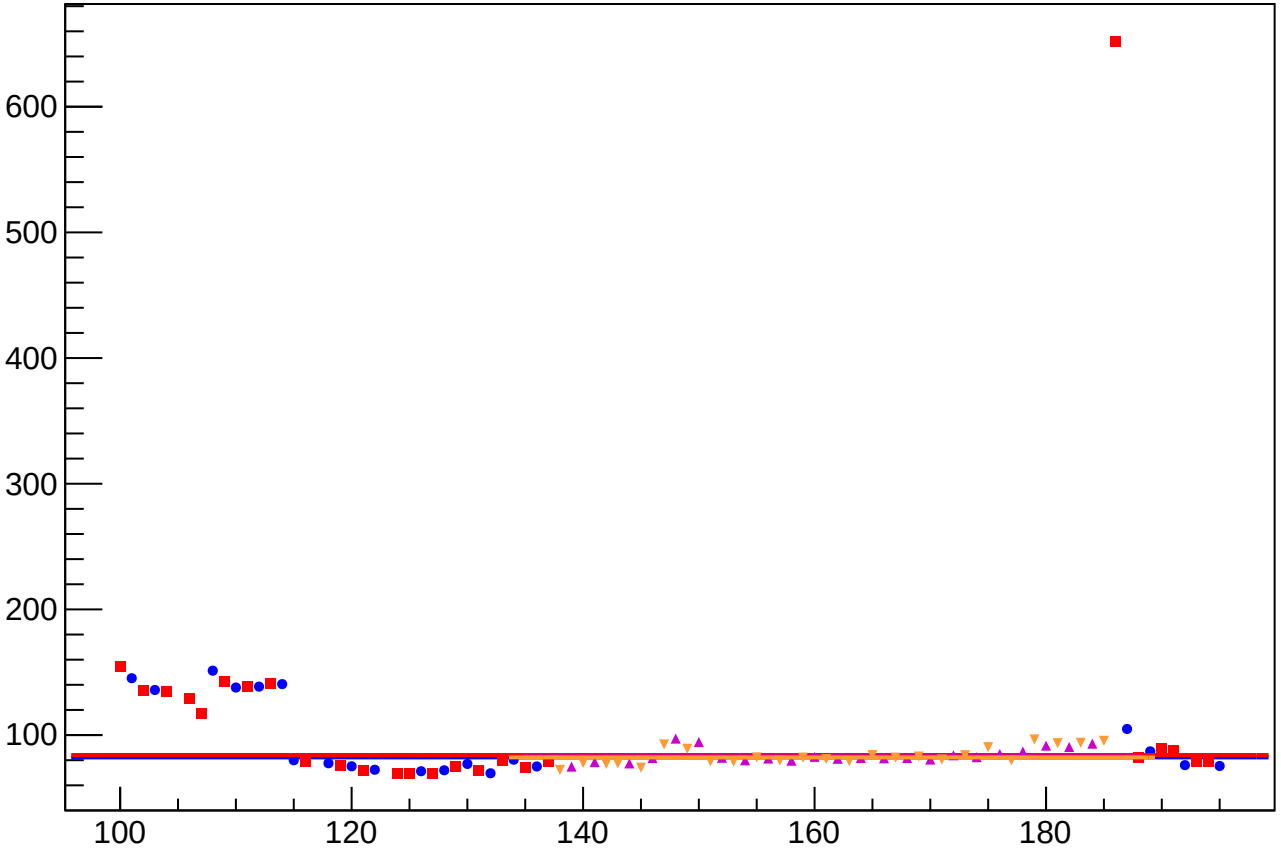
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -106.414+/-15.413 χ^2/NDF: 68.6/44

All: -16.596+/-10.982 χ^2/NDF: 212.9/92

- sign 76.010+/-15.650 χ^2/NDF: 75.4/47

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

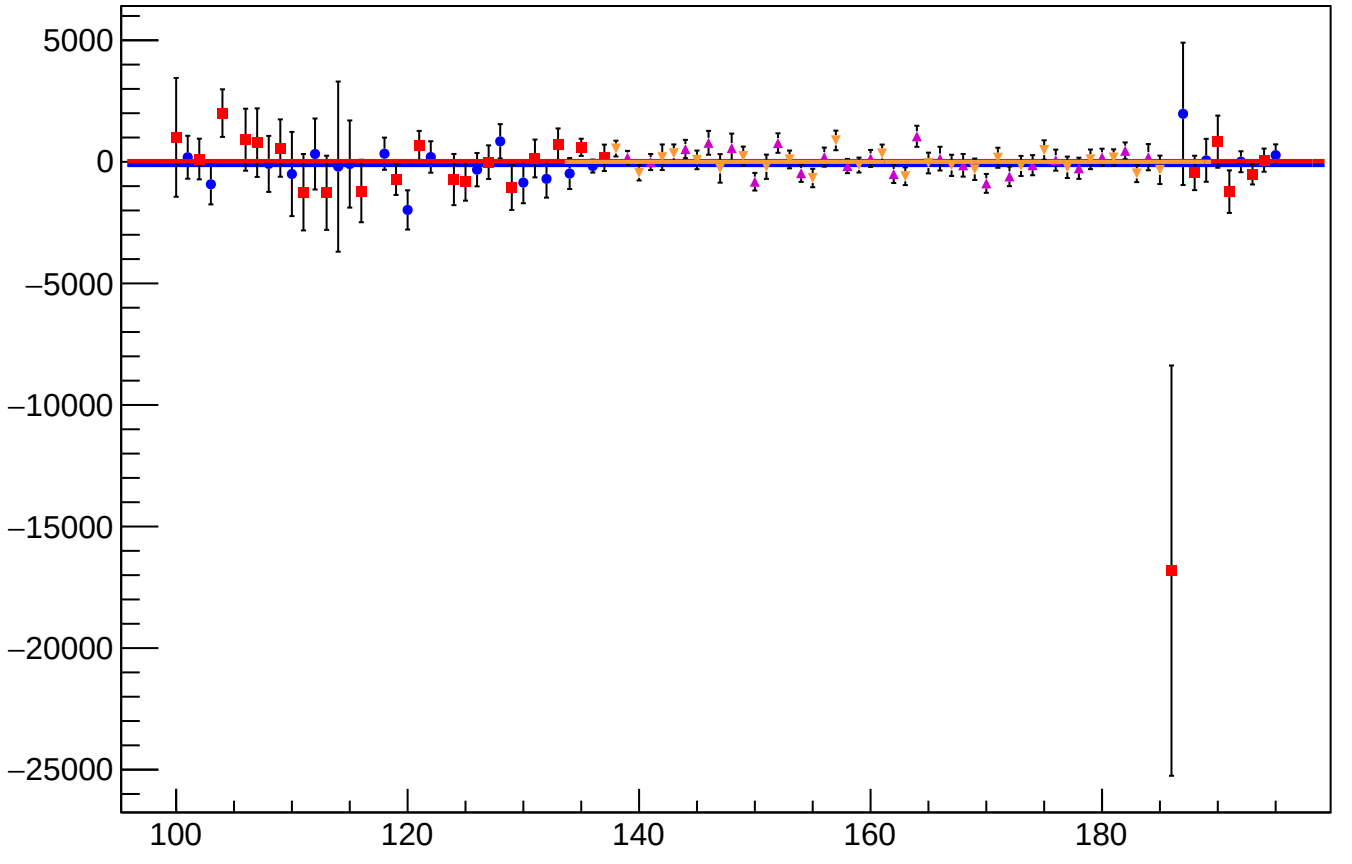
Right Out: 84.119+/-0.019 χ^2/NDF: 1757854.7/24

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.244+/-0.011 χ^2/NDF: 1302806.4/44

All: 82.808+/-0.008 χ^2/NDF: 3214067.7/92

- sign 83.389+/-0.011 χ^2/NDF: 1905821.5/47



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: 37.154+/-146.577 χ^2/NDF: 25.5/24

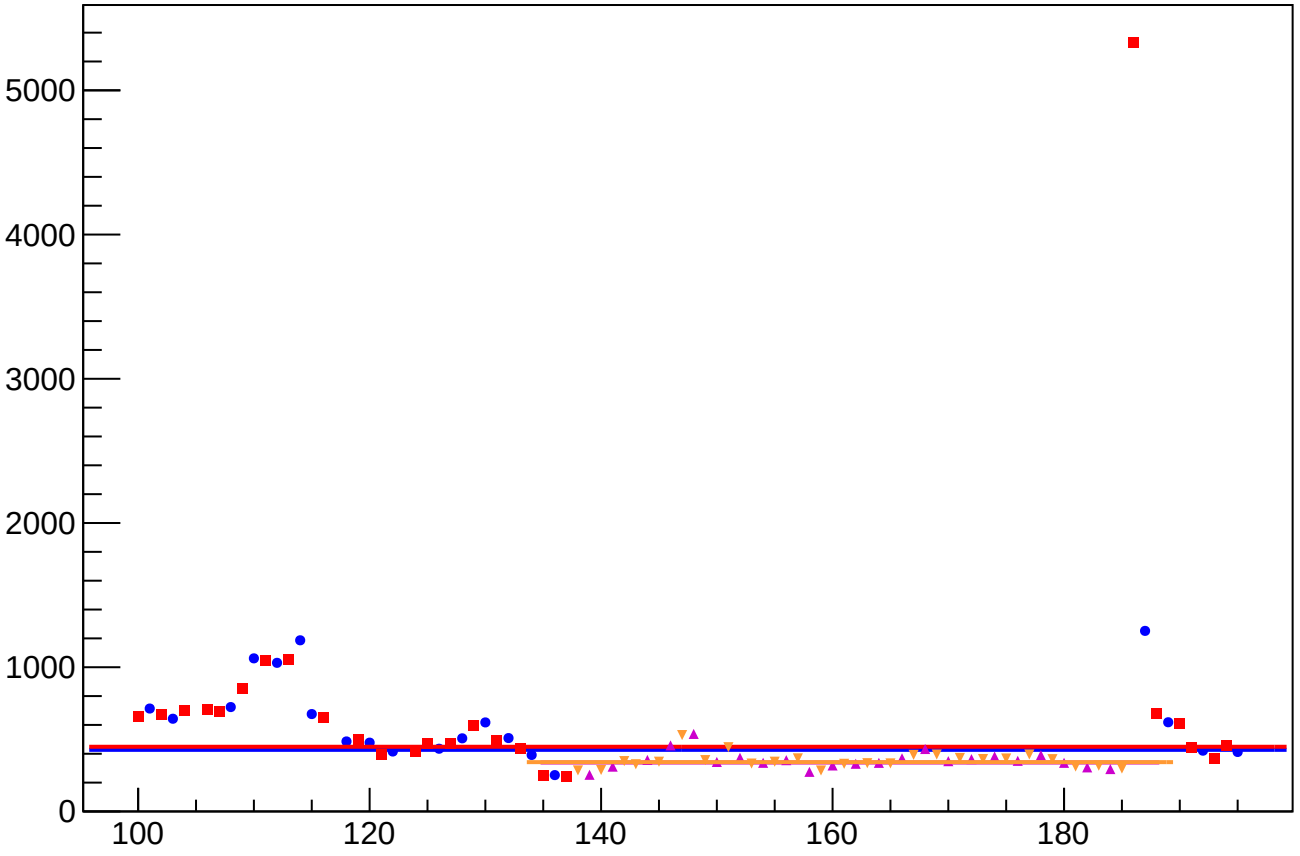
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -32.410+/-69.272 χ^2/NDF: 36.4/44

All: -6.030+/-49.411 χ^2/NDF: 97.2/92

\- sign 21.292+/-70.498 χ^2/NDF: 60.5/47

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: 448.548+/-0.104 χ^2/NDF: 3312469.8/24

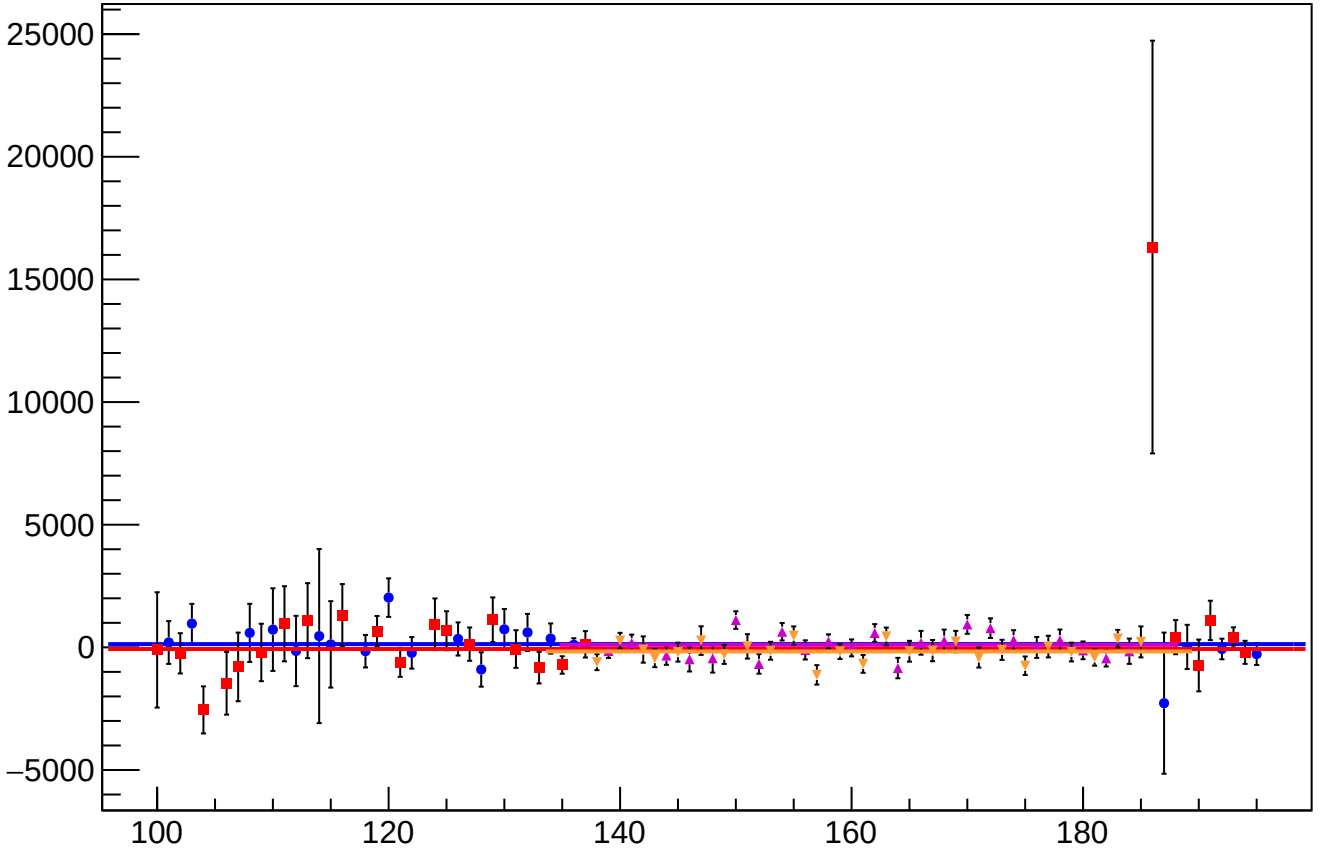
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 360.917+/-0.049 χ^2/NDF: 3691635.3/44

All: 362.761+/-0.035 χ^2/NDF: 8705692.3/92

- sign 364.672+/-0.050 χ^2/NDF: 5011170.7/47

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: -67.391+/-144.792 χ^2/NDF: 29.2/24

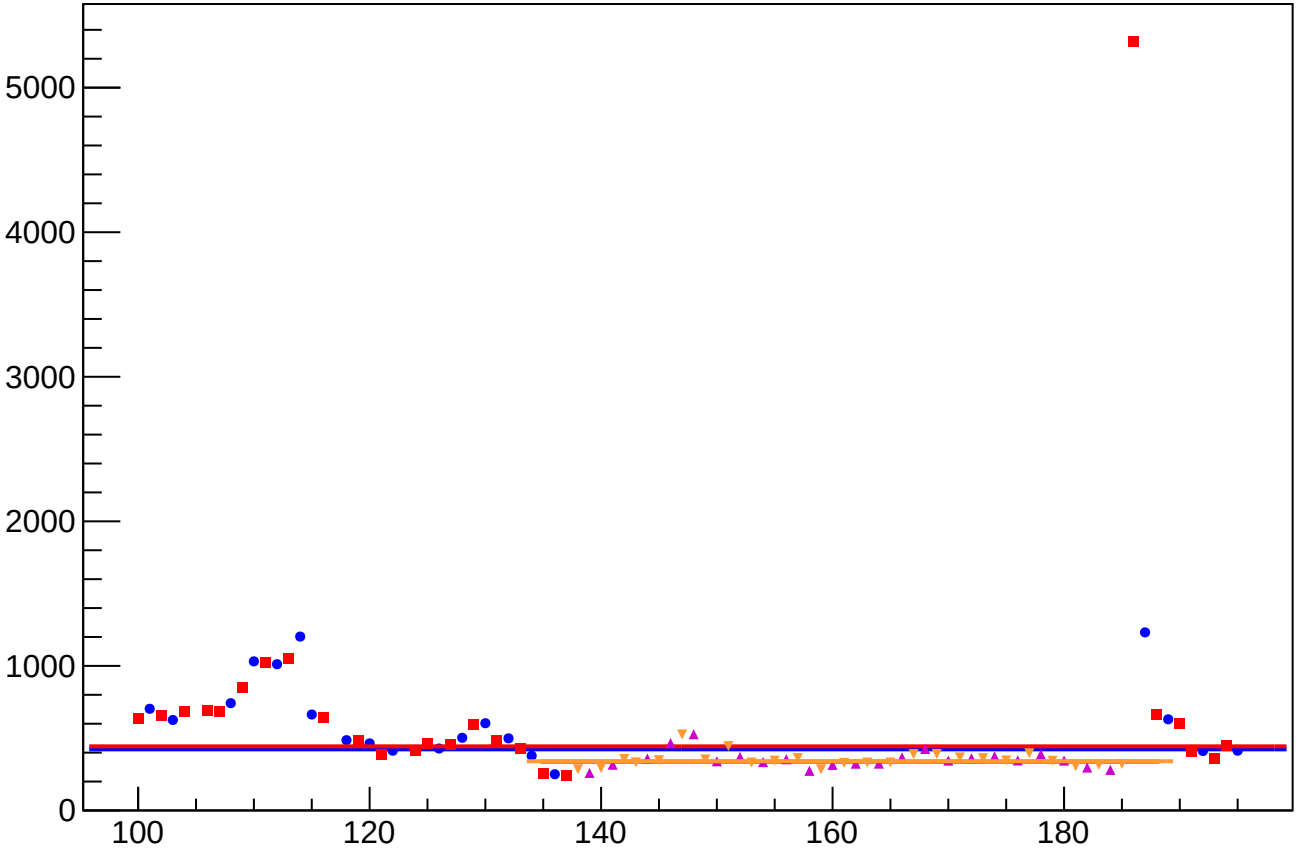
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -99.954+/-68.831 χ^2/NDF: 41.7/44

All: -19.414+/-49.086 χ^2/NDF: 112.3/92

- sign 63.931+/-70.020 χ^2/NDF: 67.8/47

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: 443.516+/-0.102 χ^2/NDF: 3246321.3/24

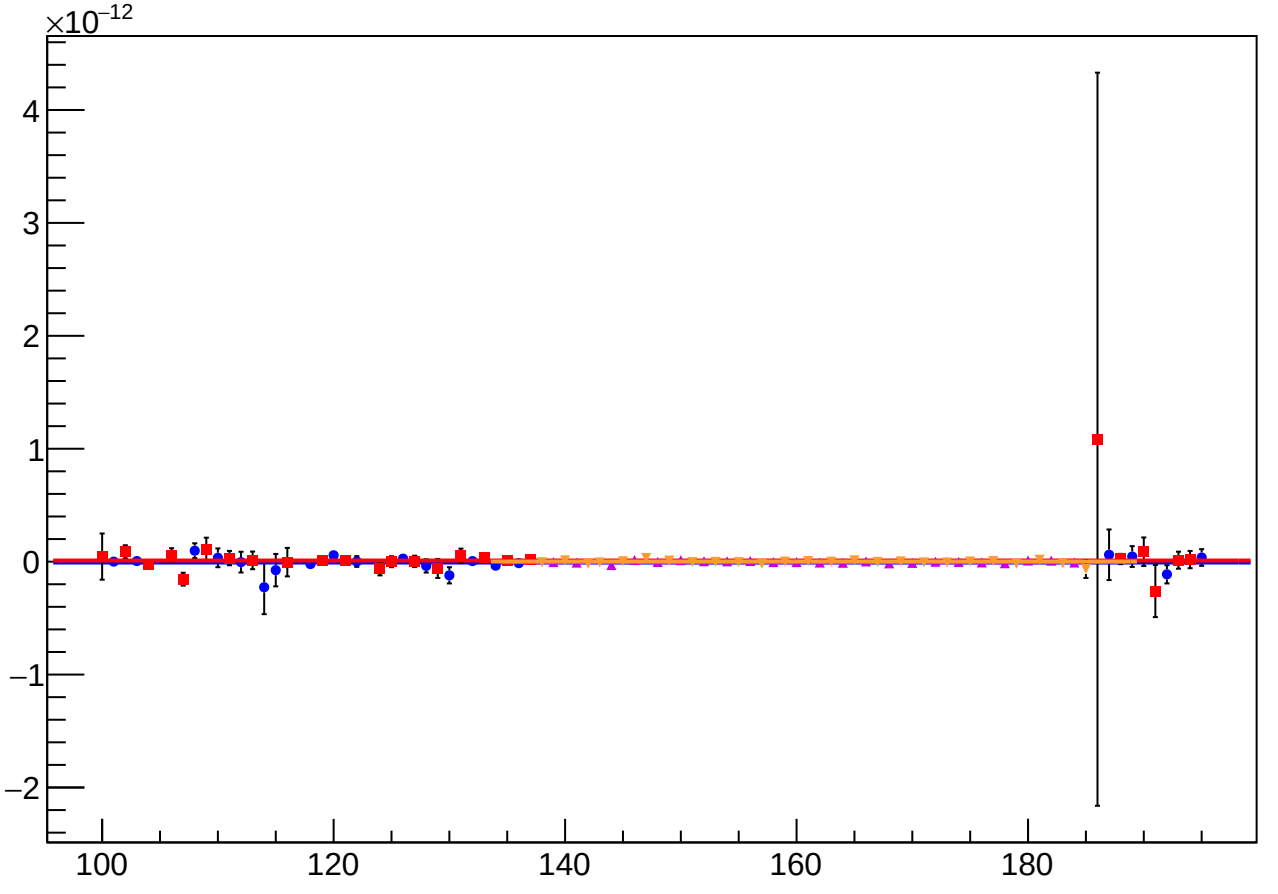
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 358.902+/-0.049 χ^2/NDF: 3597275.1/44

All: 360.666+/-0.035 χ^2/NDF: 8484408.3/92

- sign 362.491+/-0.050 χ^2/NDF: 4884460.9/47

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: 18.3/24

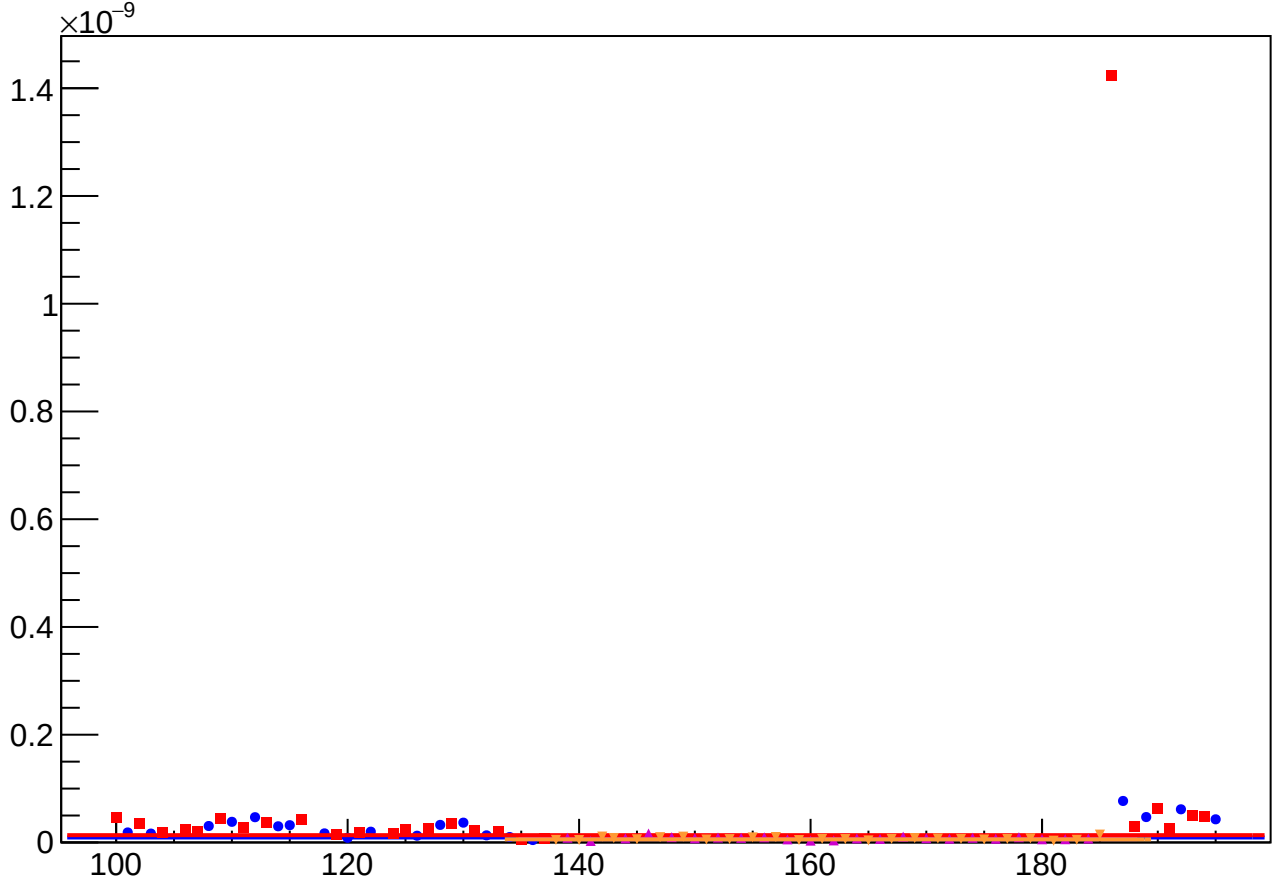
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: -0.000+/-0.000 χ^2/NDF: 68.7/92

- sign -0.000+/-0.000 χ^2/NDF: 32.9/47

asym_sam1_reg_vs_cor_diff_rms vs Slug



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: 4667223.3/24

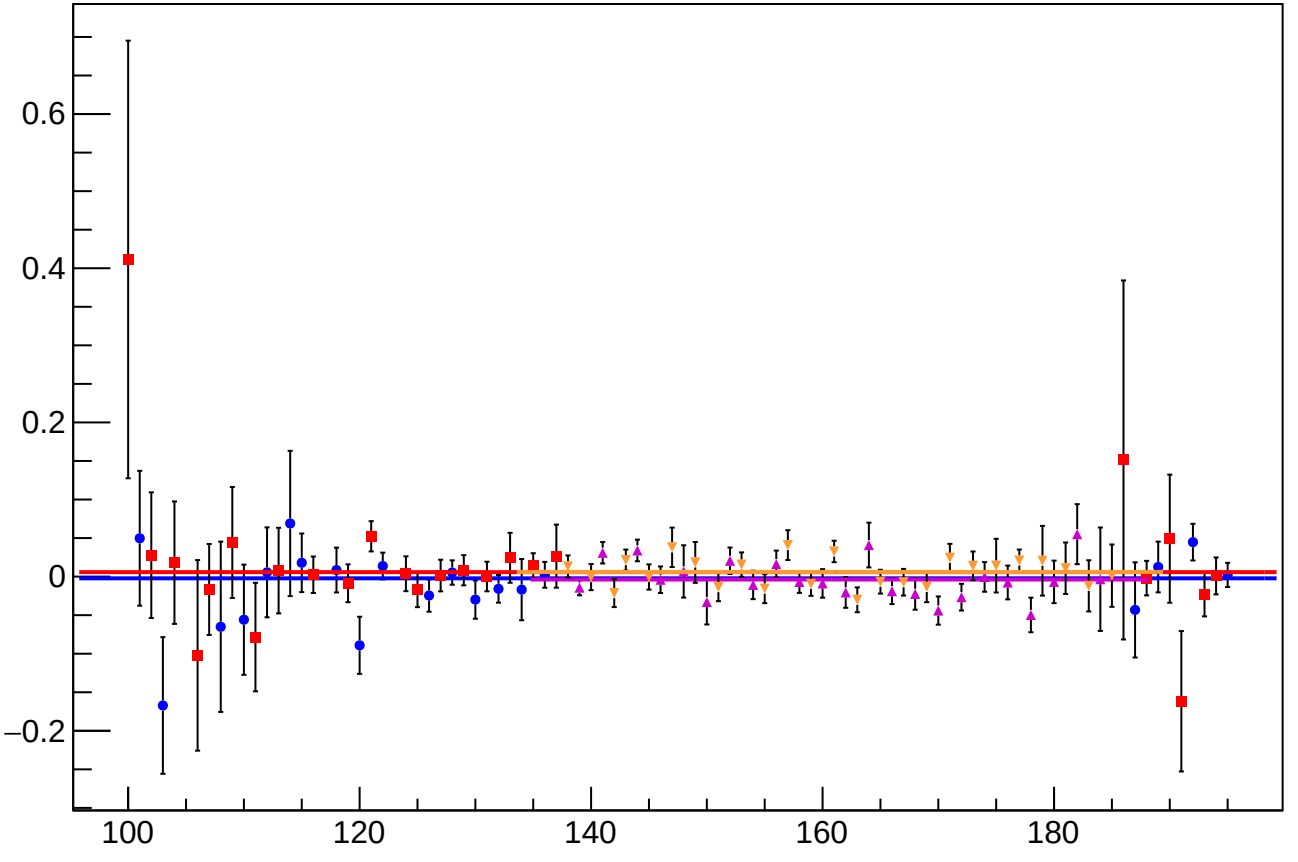
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6263944.9/44

All: 0.000+/-0.000 χ^2/NDF: 14526129.5/92

- sign 0.000+/-0.000 χ^2/NDF: 8169956.8/47

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: 0.006+/-0.006 χ^2/NDF: 18.1/24

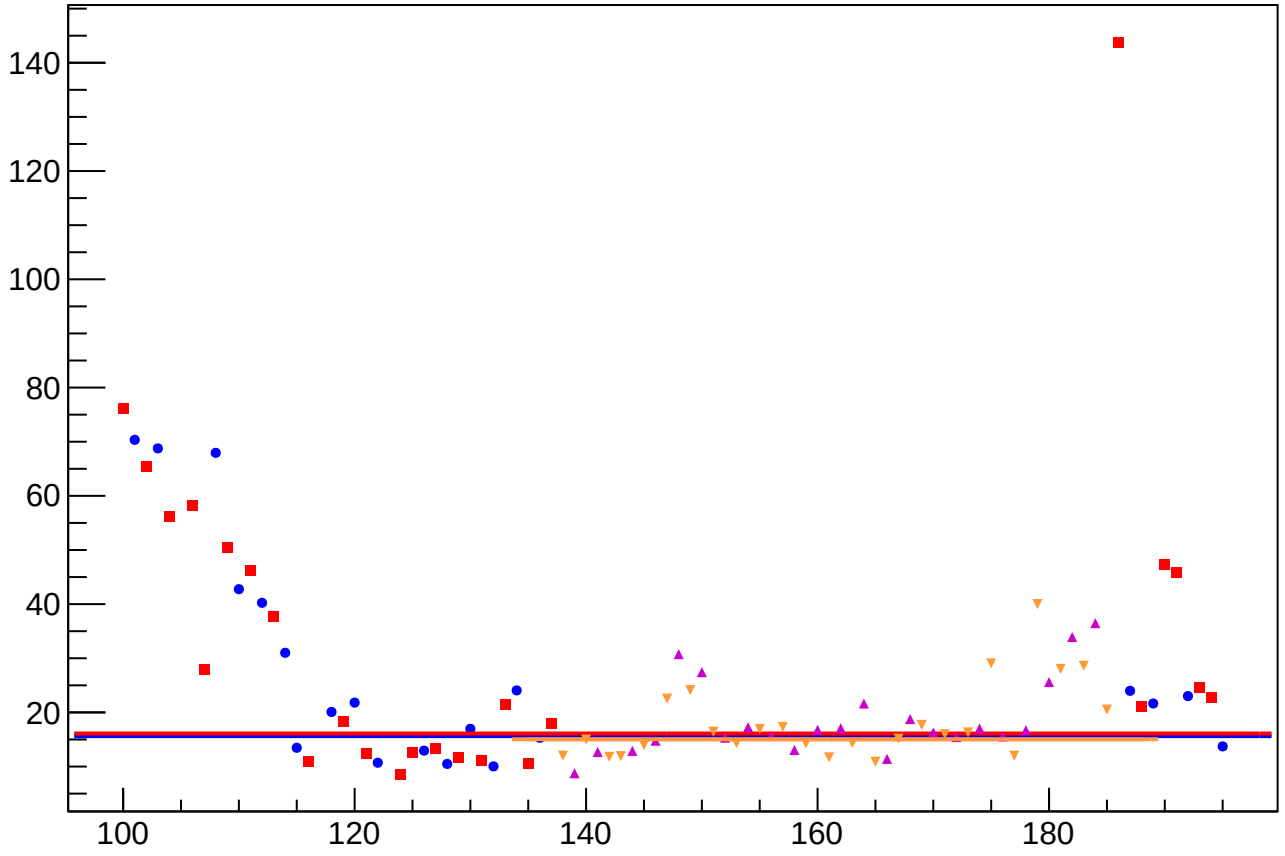
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.4/92

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

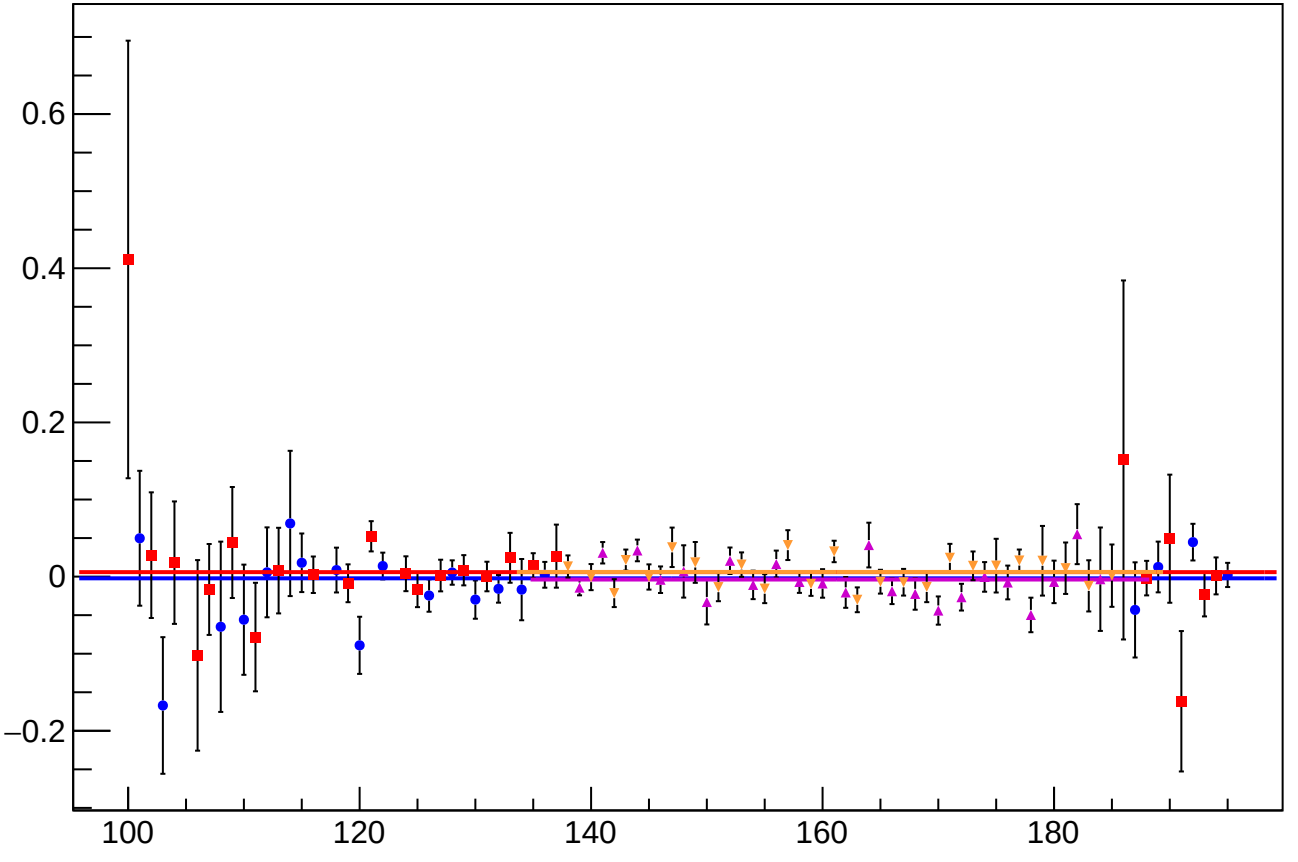
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.209+/-0.002 χ^2/NDF: 6551971.5/44

All: 15.293+/-0.002 χ^2/NDF: 14983287.3/92

\- sign 15.381+/-0.002 χ^2/NDF: 8428322.7/47

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: 0.006+/-0.006 χ^2/NDF: 18.1/24

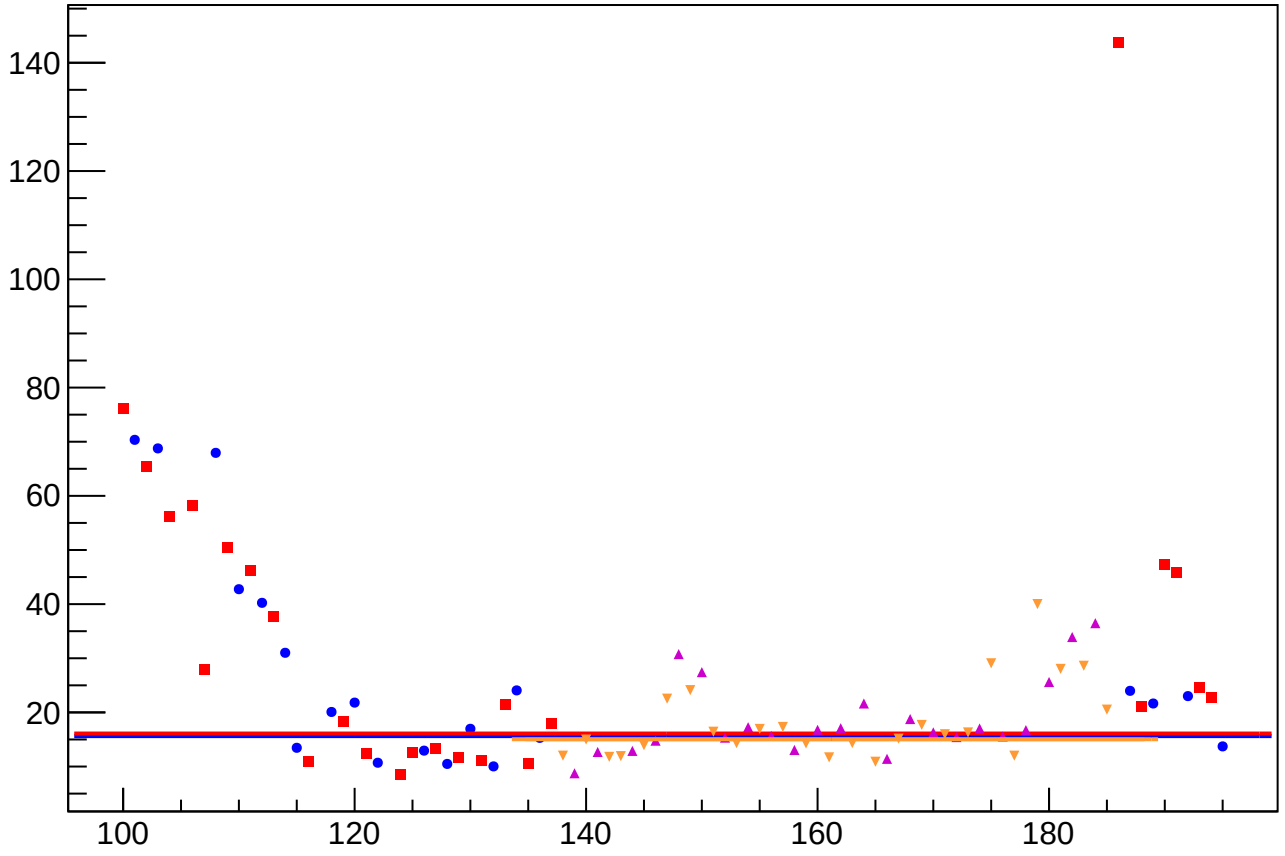
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.4/92

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

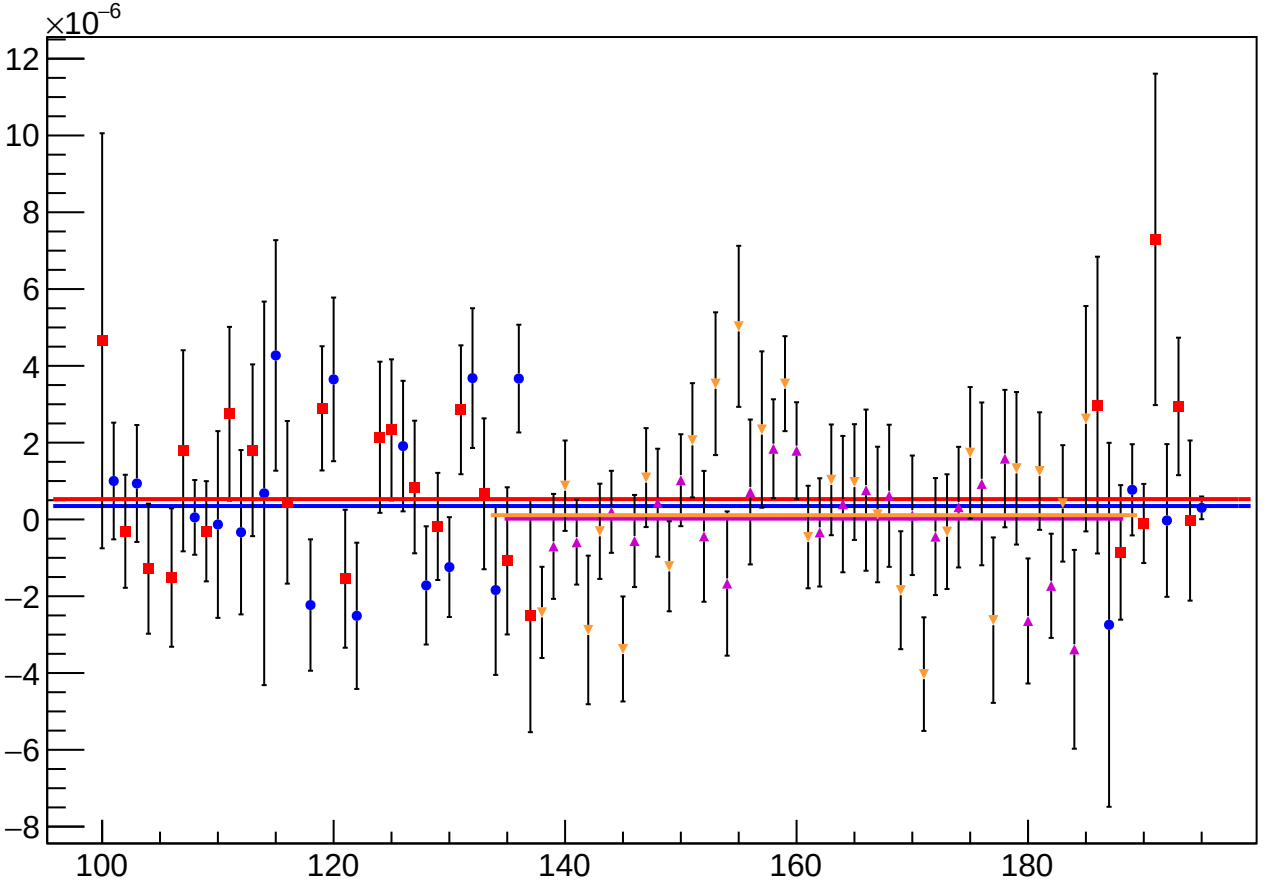
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.209+/-0.002 χ^2/NDF: 6551971.5/44

All: 15.293+/-0.002 χ^2/NDF: 14983287.3/92

\- sign 15.381+/-0.002 χ^2/NDF: 8428322.7/47

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: 20.1/24

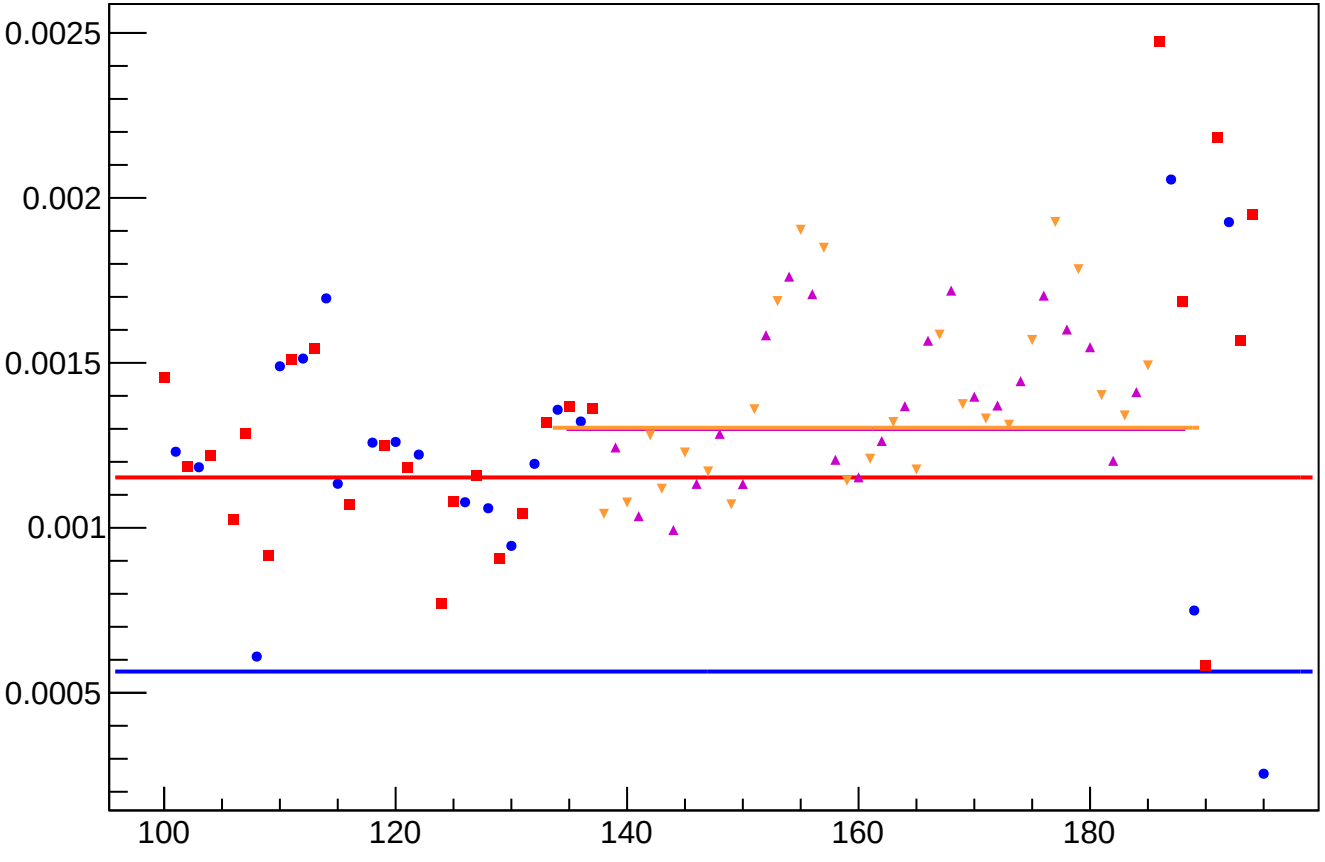
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.3/44

All: 0.000+/-0.000 χ^2/NDF: 109.6/92

- sign 0.000+/-0.000 χ^2/NDF: 35.3/47

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: 1952655.7/24

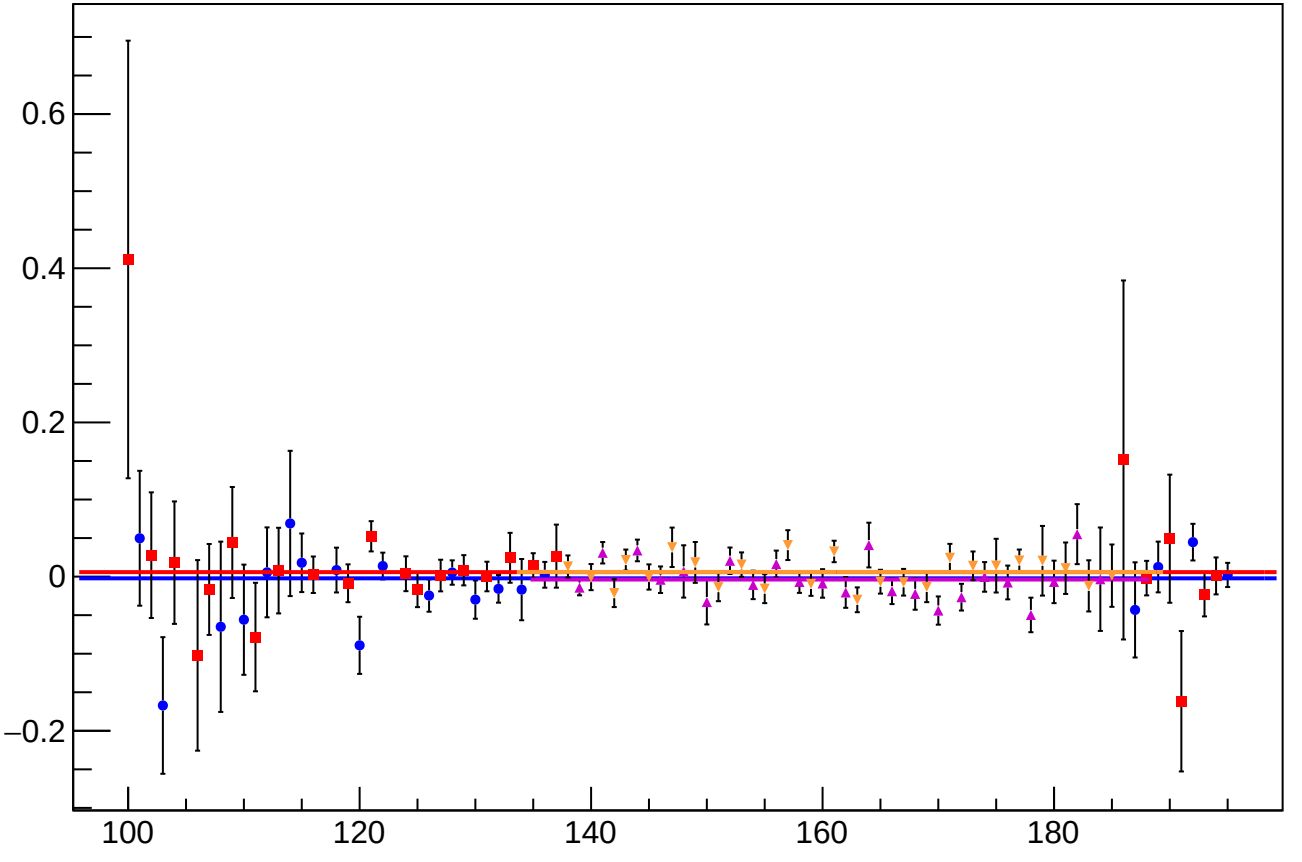
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16027677.6/44

All: 0.001+/-0.000 χ^2/NDF: 22654808.4/92

- sign 0.001+/-0.000 χ^2/NDF: 3167447.9/47

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: 0.006+/-0.006 χ^2/NDF: 18.1/24

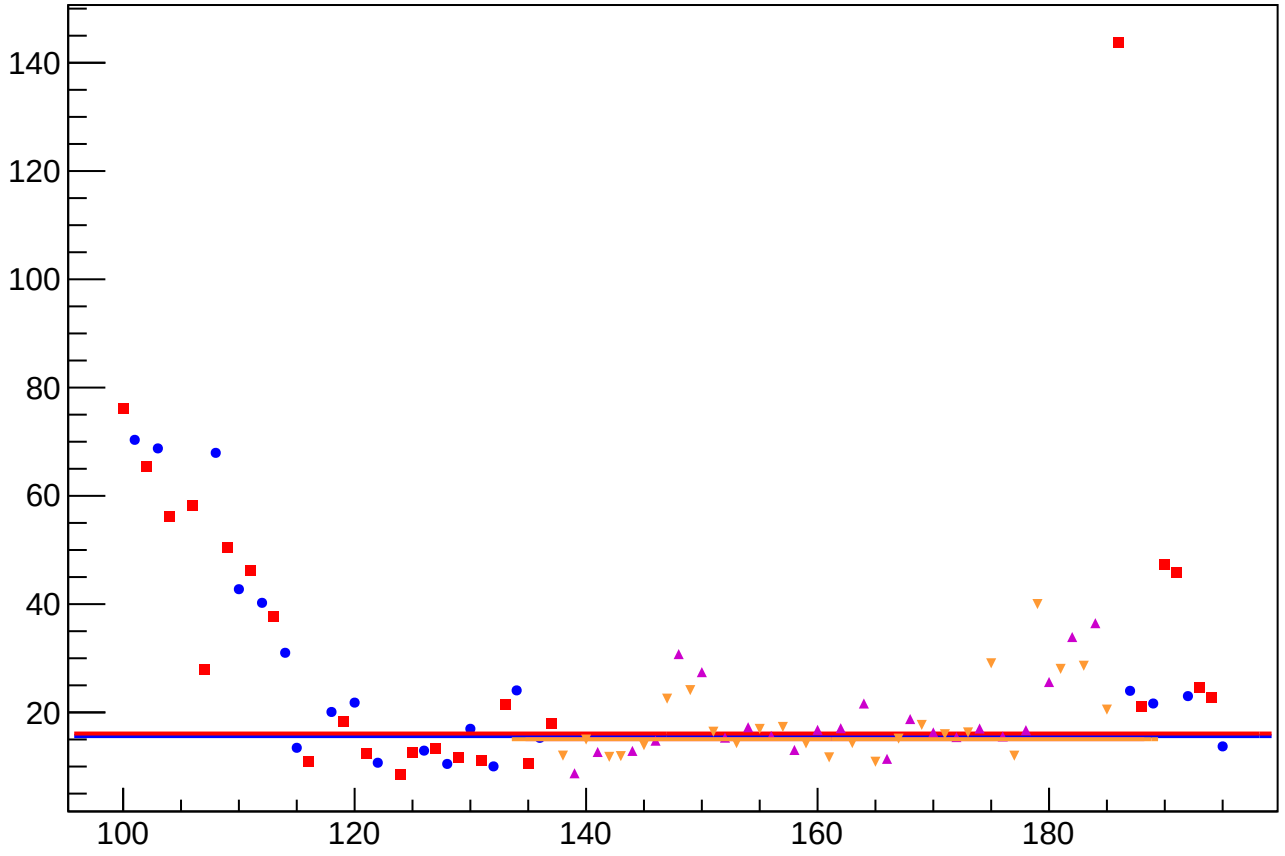
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/44

All: 0.001+/-0.002 χ^2/NDF: 106.3/92

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

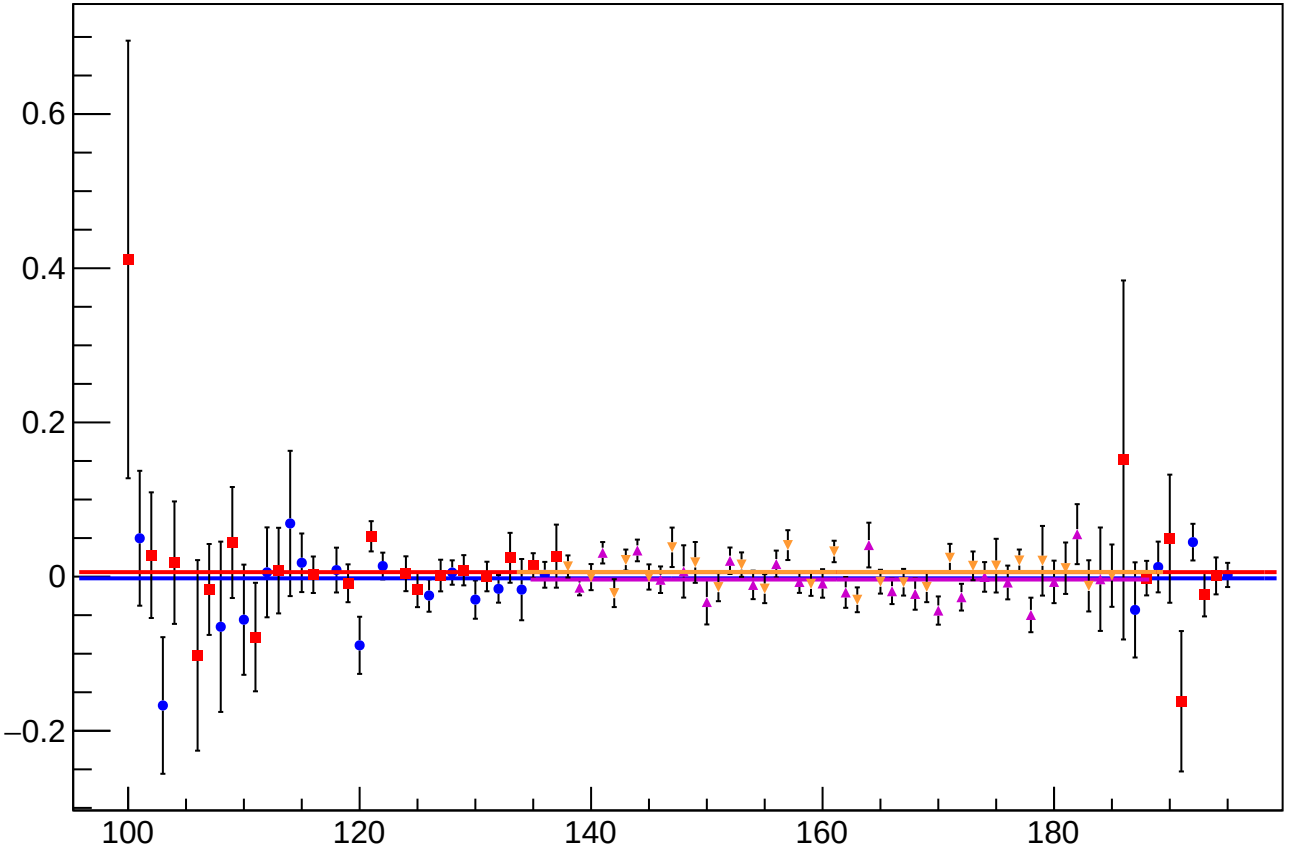
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.208+/-0.002 χ^2/NDF: 6552188.0/44

All: 15.292+/-0.002 χ^2/NDF: 14983520.3/92

- sign 15.381+/-0.002 χ^2/NDF: 8428337.2/47

asym_sam1_eigen_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

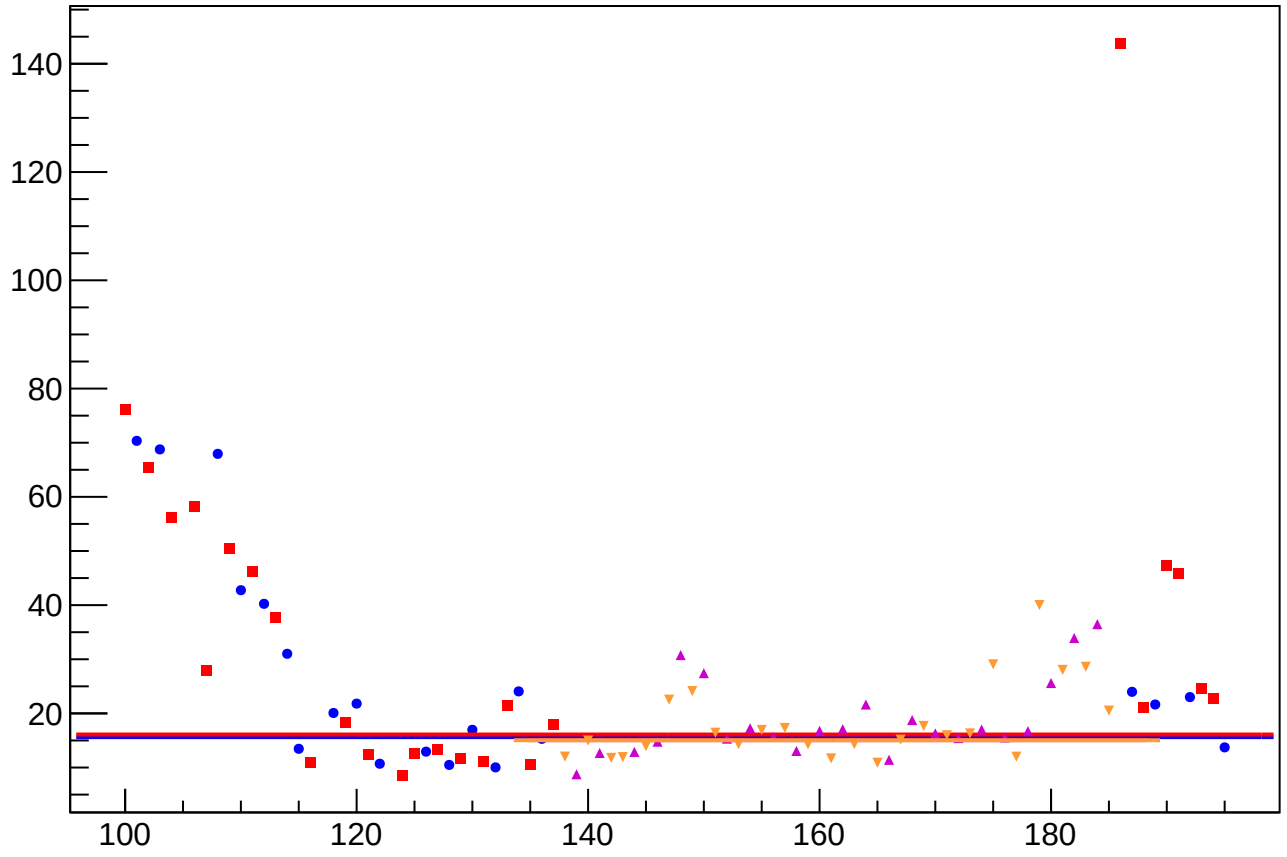
Right Out: 0.006+/-0.006 χ^2/NDF: 18.1/24

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: 106.3/92

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47



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: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

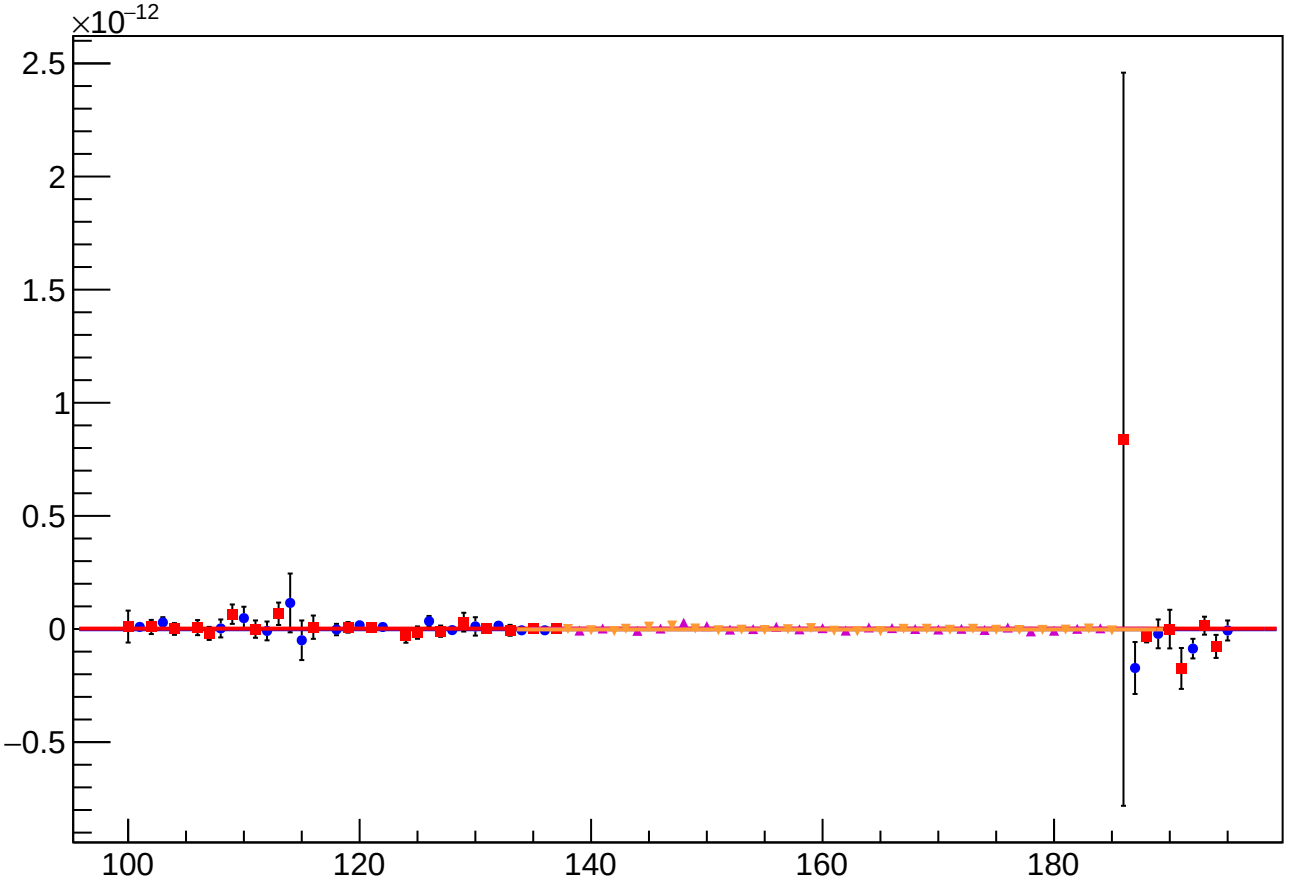
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.208+/-0.002 χ^2/NDF: 6552188.0/44

All: 15.292+/-0.002 χ^2/NDF: 14983520.3/92

- sign 15.381+/-0.002 χ^2/NDF: 8428337.2/47

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: 15.6/24

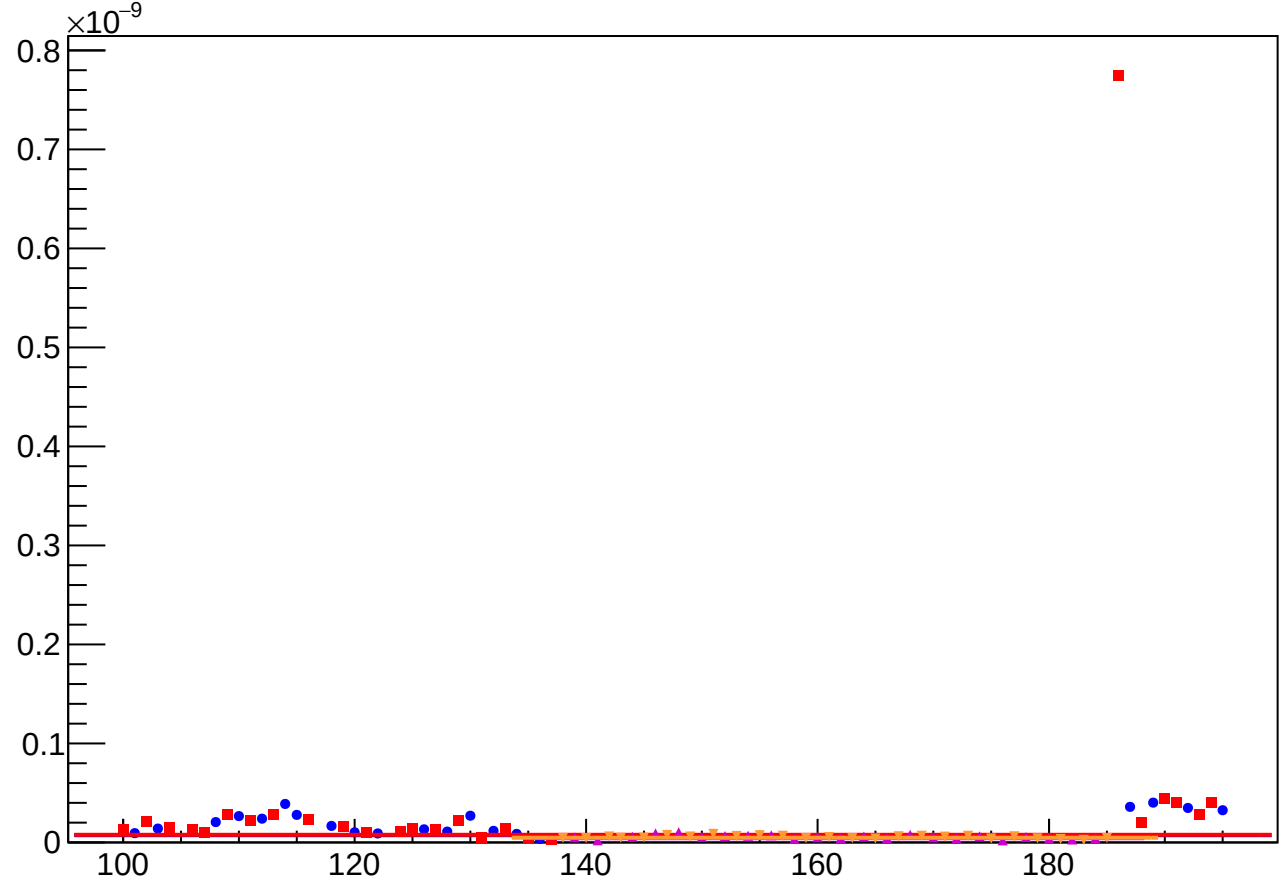
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/44

All: -0.000+/-0.000 χ^2/NDF: 69.8/92

- sign 0.000+/-0.000 χ^2/NDF: 37.0/47

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: 7215803.7/24

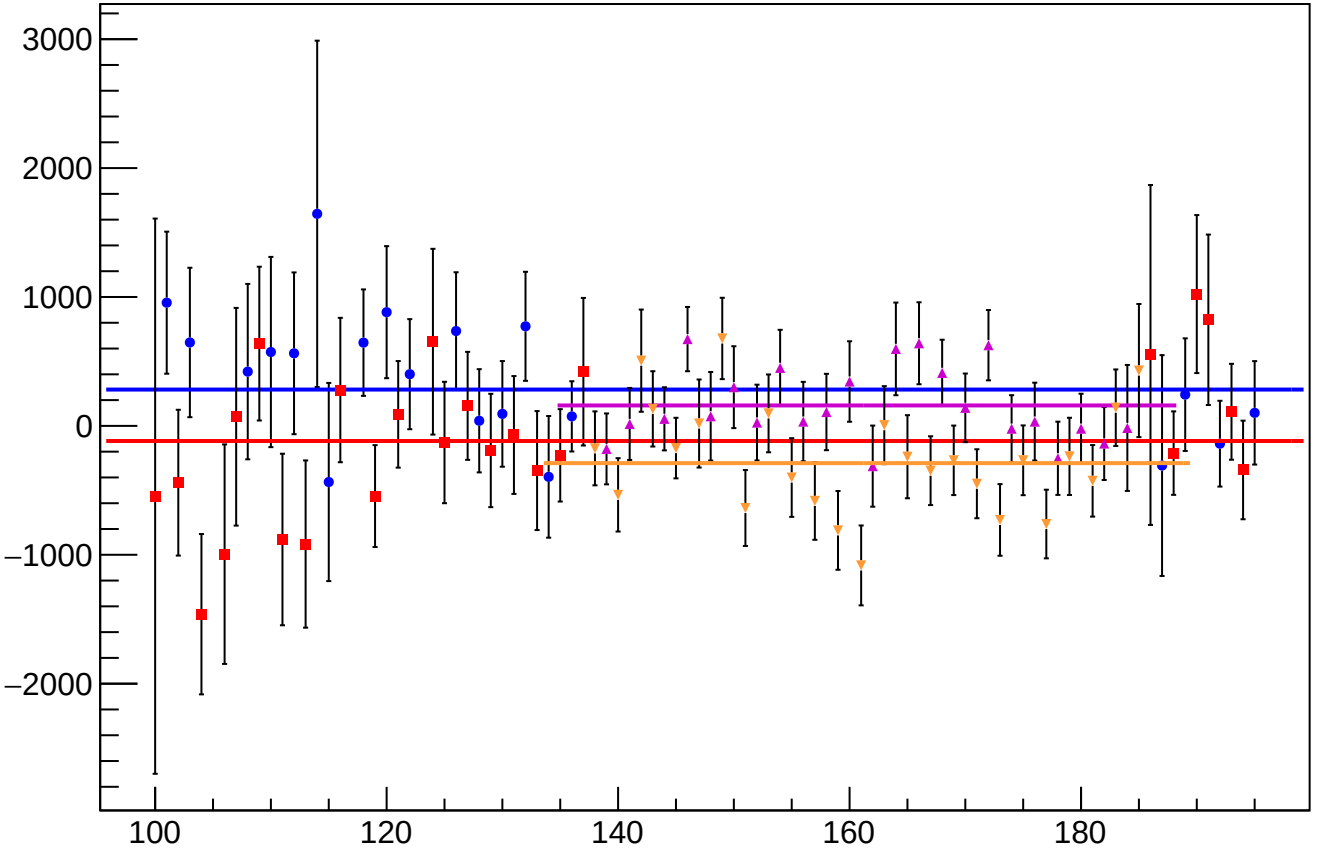
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8608938.2/44

All: 0.000+/-0.000 χ^2/NDF: 20893801.3/92

- sign 0.000+/-0.000 χ^2/NDF: 12170075.5/47

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: -117.187+/-100.836 χ^2/NDF: 21.9/24

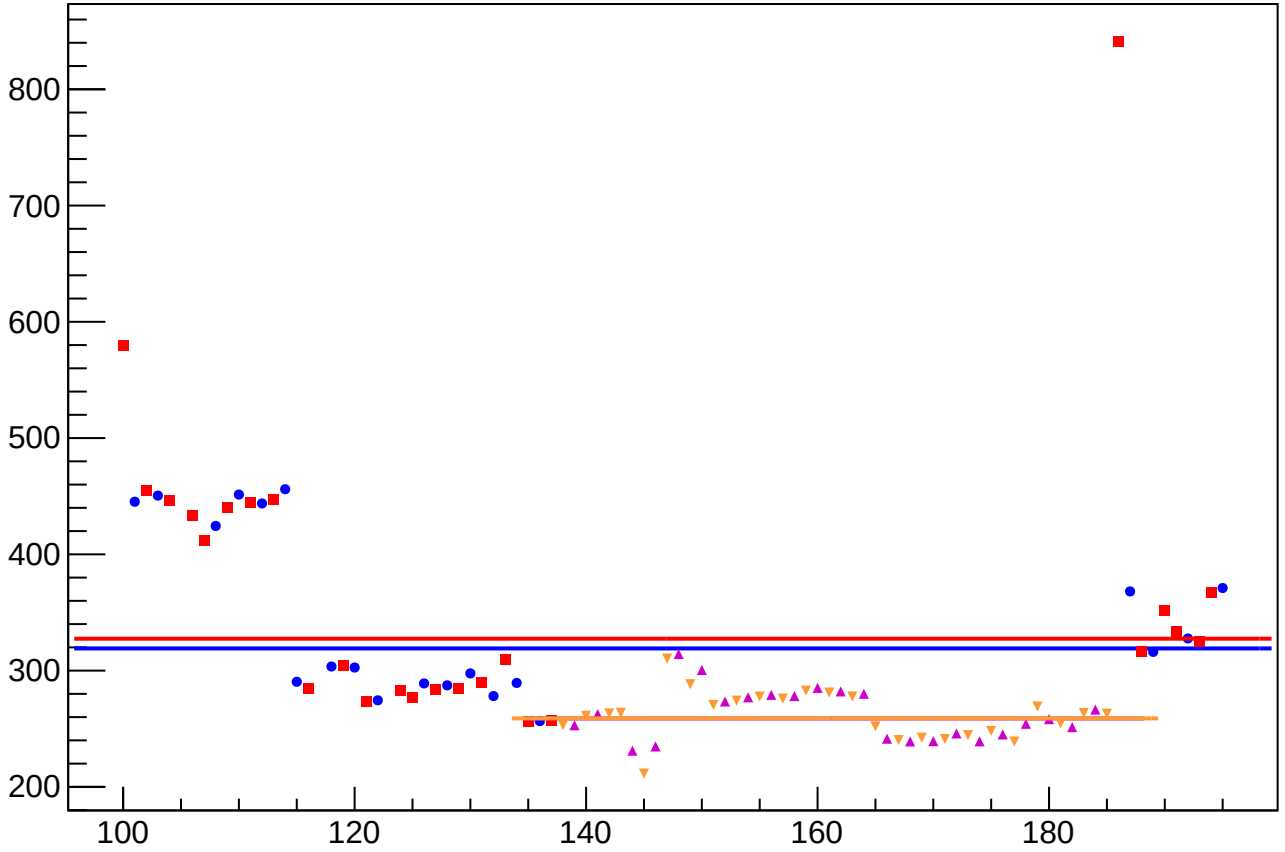
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -149.656+/-51.329 χ^2/NDF: 79.5/44

All: -33.757+/-36.533 χ^2/NDF: 139.7/92

- sign 85.233+/-52.009 χ^2/NDF: 49.9/47

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: 327.463+/-0.071 χ^2/NDF: 1036567.6/24

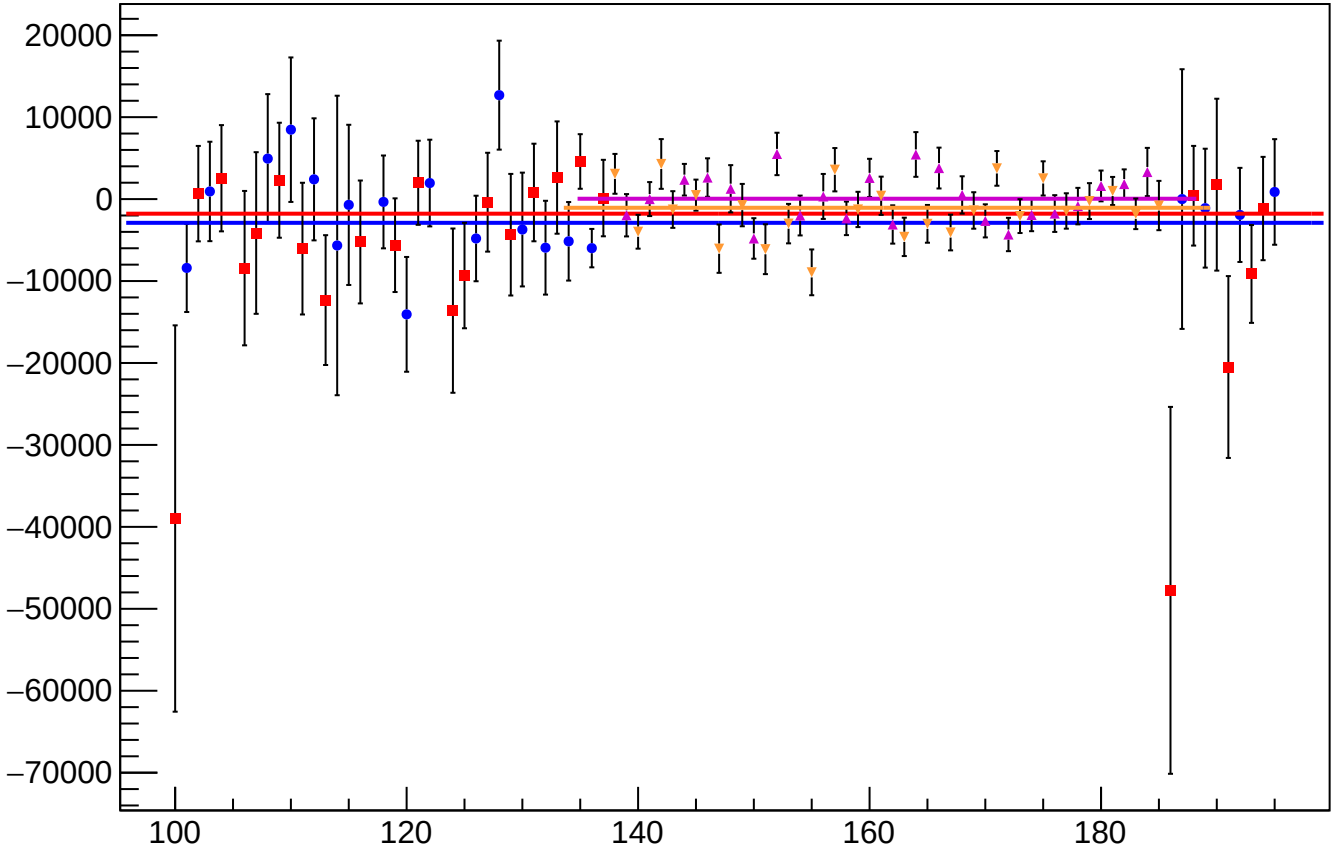
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404911.1/44

All: 275.321+/-0.026 χ^2/NDF: 3370840.3/92

- sign 277.098+/-0.037 χ^2/NDF: 1961319.3/47

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: -1780.486+/-1313.634 χ^2/NDF: 23.5/24

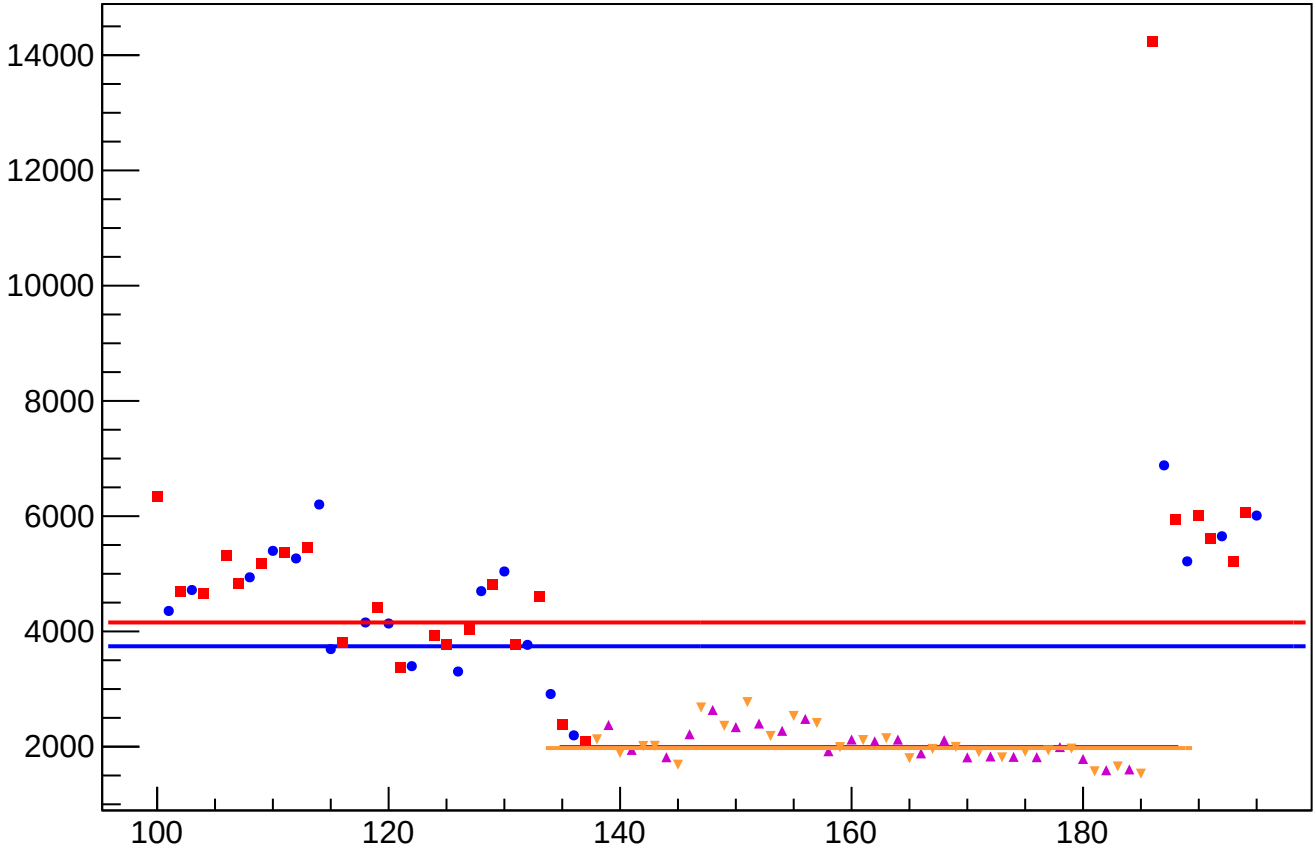
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1268.708+/-427.932 χ^2/NDF: 60.0/44

All: -735.256+/-307.821 χ^2/NDF: 122.5/92

- sign -163.285+/-443.113 χ^2/NDF: 59.3/47

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: 4155.620+/-0.929 χ^2/NDF: 2204609.5/24

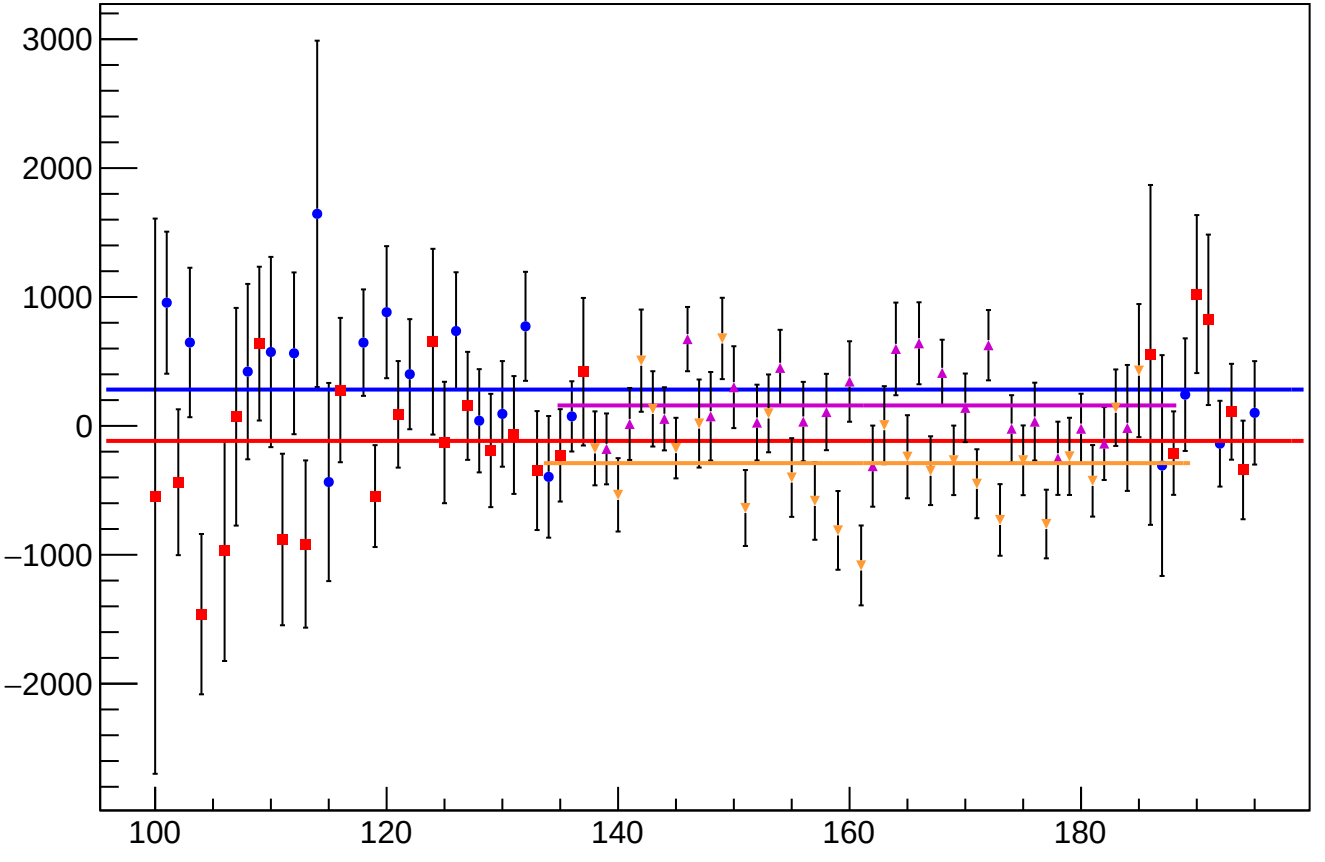
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232940.8/44

All: 2207.964+/-0.218 χ^2/NDF: 13854499.1/9

- sign 2240.630+/-0.313 χ^2/NDF: 7600551.1/47

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: -116.599+/-100.842 χ^2/NDF: 21.8/24

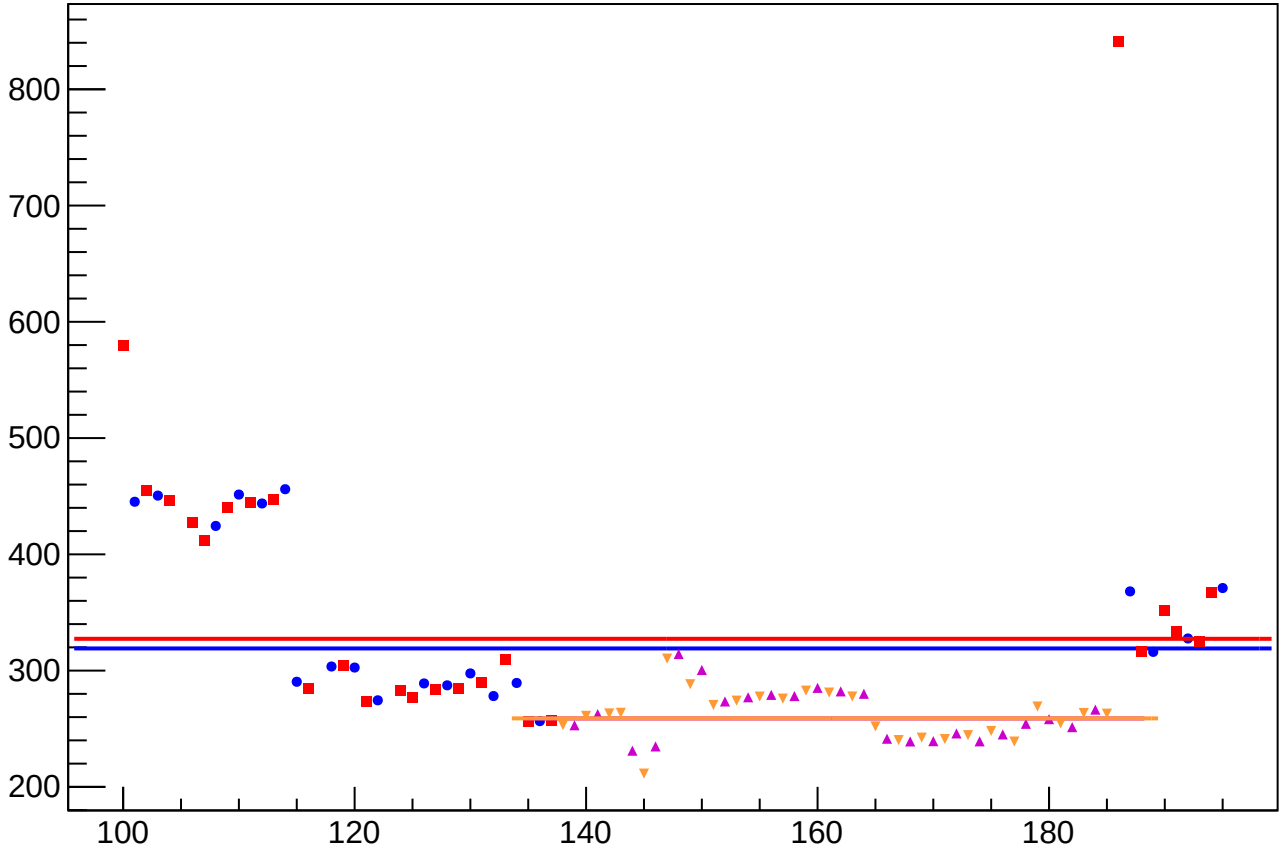
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -149.663+/-51.329 χ^2/NDF: 79.5/44

All: -33.678+/-36.534 χ^2/NDF: 139.6/92

- sign 85.404+/-52.010 χ^2/NDF: 49.8/47

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: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

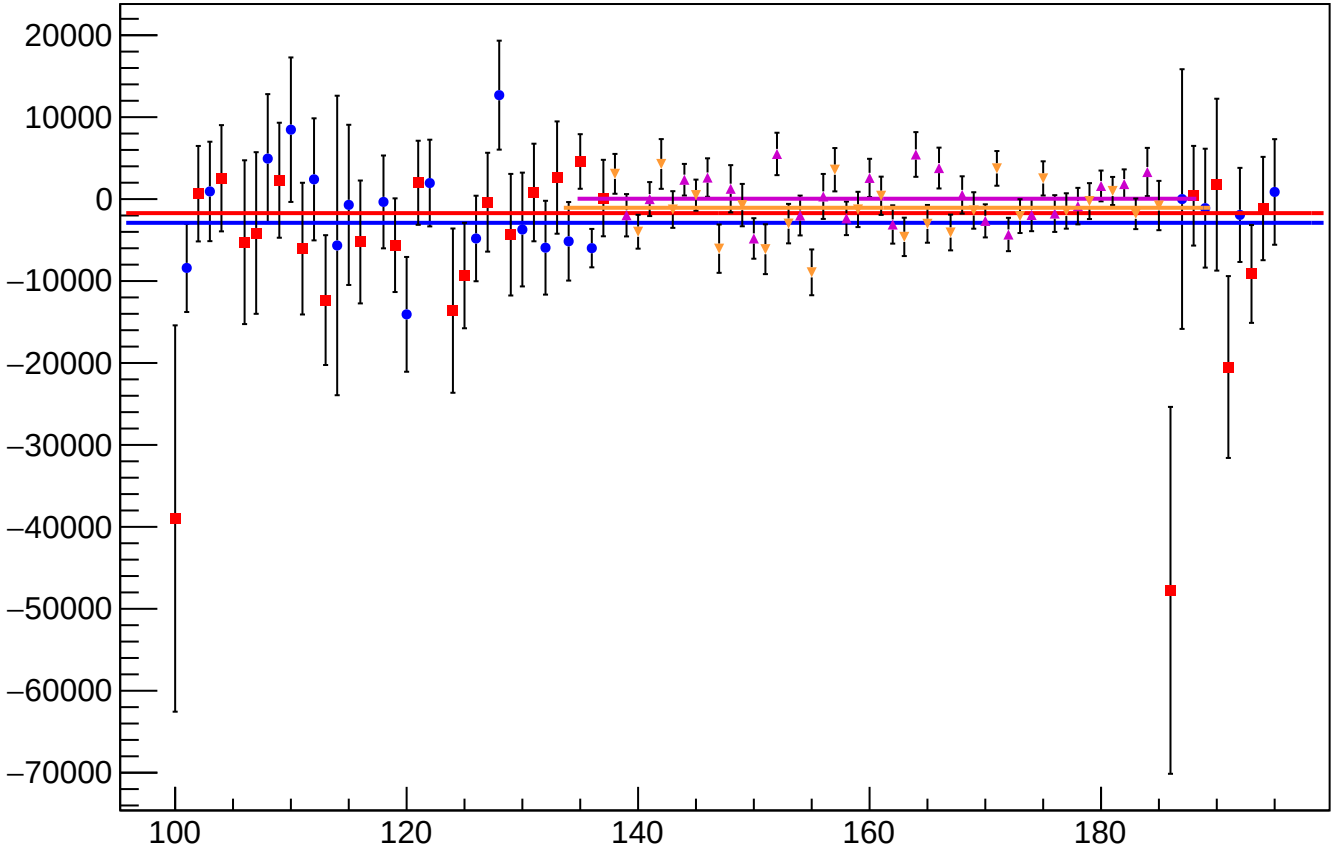
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404912.7/44

All: 275.306+/-0.026 χ^2/NDF: 3364803.9/92

- sign 277.069+/-0.037 χ^2/NDF: 1955357.9/47

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: -1711.702+/-1315.096 χ^2/NDF: 23.1/24

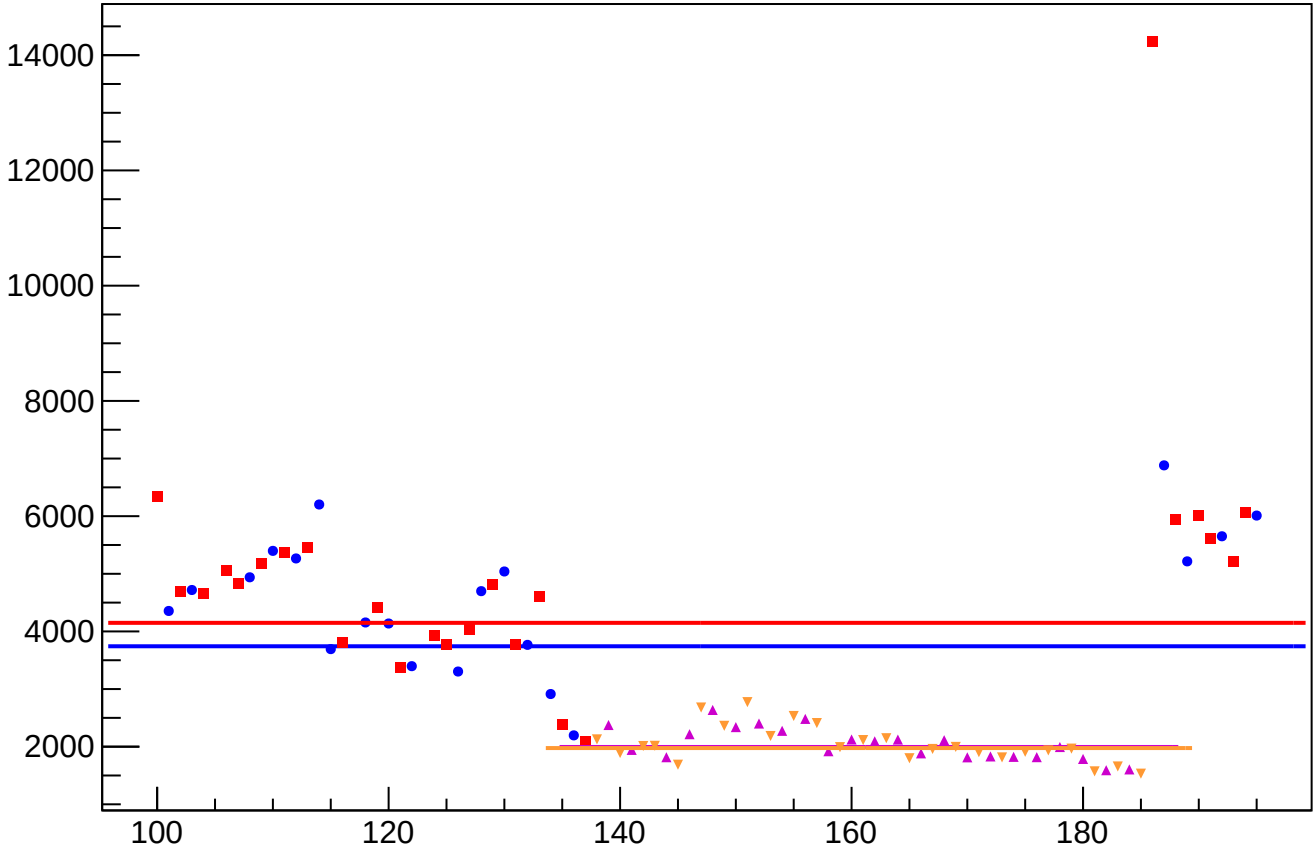
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1268.704+/-427.932 χ^2/NDF: 60.0/44

All: -731.359+/-307.839 χ^2/NDF: 122.1/92

- sign -155.069+/-443.169 χ^2/NDF: 58.8/47

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: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

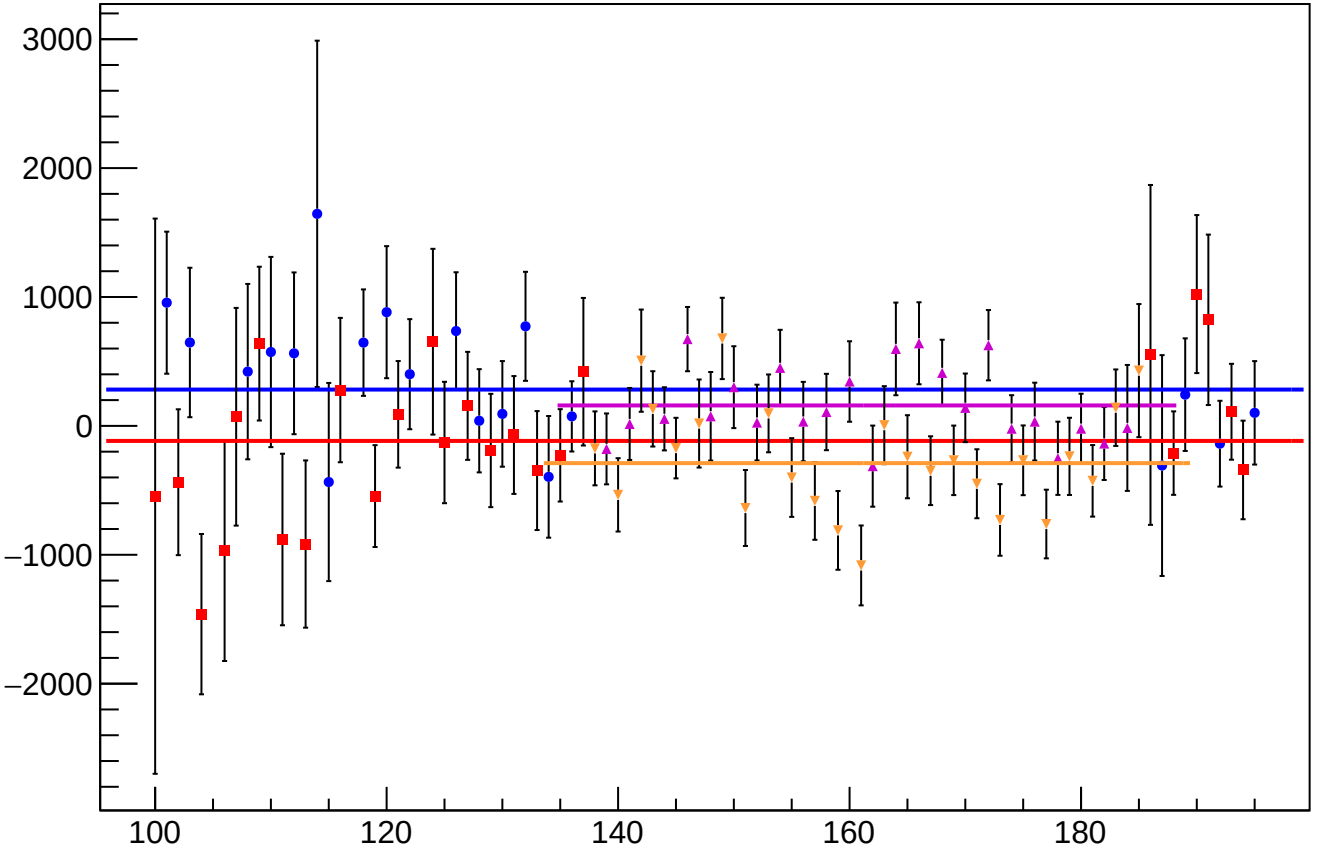
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232961.7/44

All: 2207.361+/-0.218 χ^2/NDF: 13801344.6/9

- sign 2239.390+/-0.313 χ^2/NDF: 7548196.0/47

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: -116.599+/-100.842 χ^2/NDF: 21.8/24

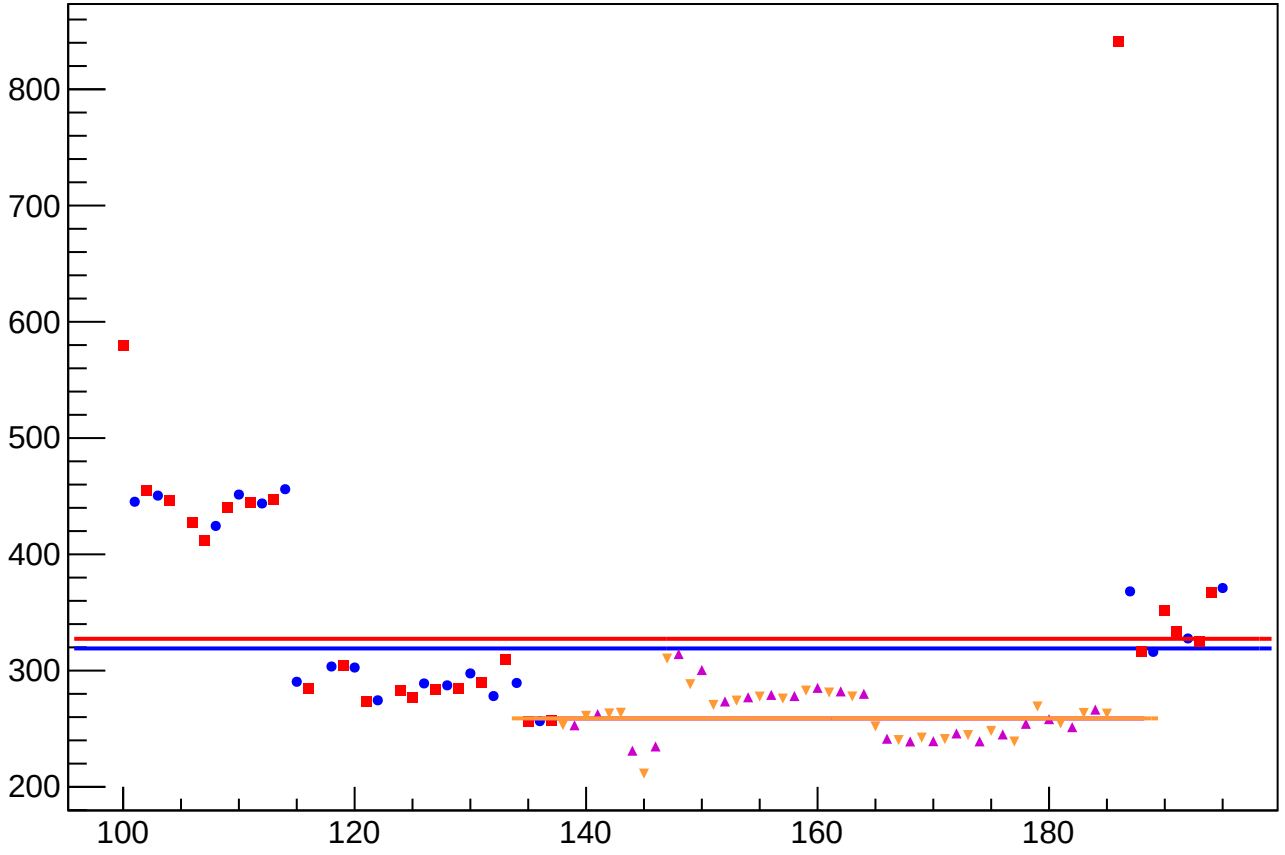
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -149.663+/-51.329 χ^2/NDF: 79.5/44

All: -33.678+/-36.534 χ^2/NDF: 139.6/92

- sign 85.404+/-52.010 χ^2/NDF: 49.8/47

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: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

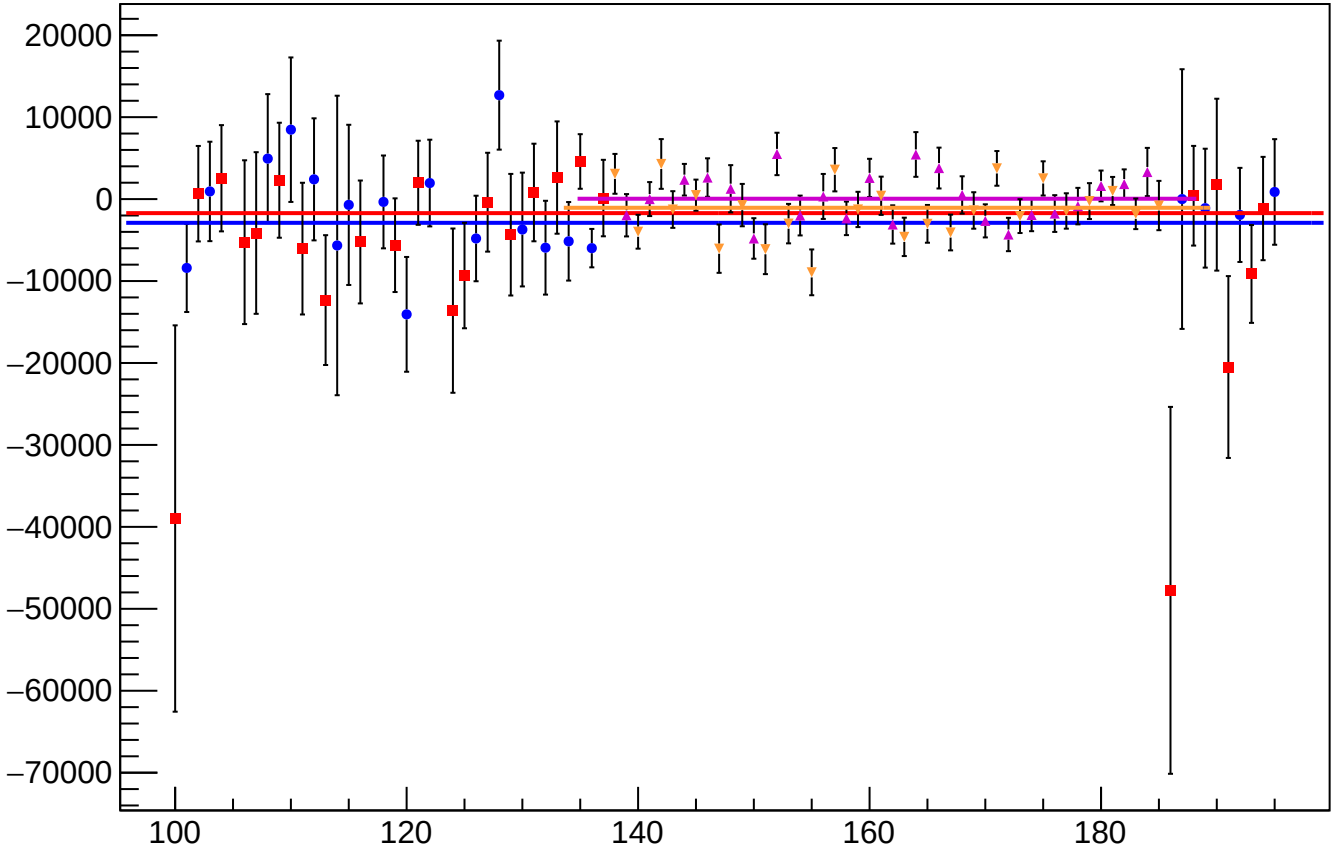
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 273.590+/-0.036 χ^2/NDF: 1404912.7/44

All: 275.306+/-0.026 χ^2/NDF: 3364803.9/92

- sign 277.069+/-0.037 χ^2/NDF: 1955357.9/47

asym_sam2_eigen_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: -1711.702+/-1315.096 χ^2/NDF: 23.1/24

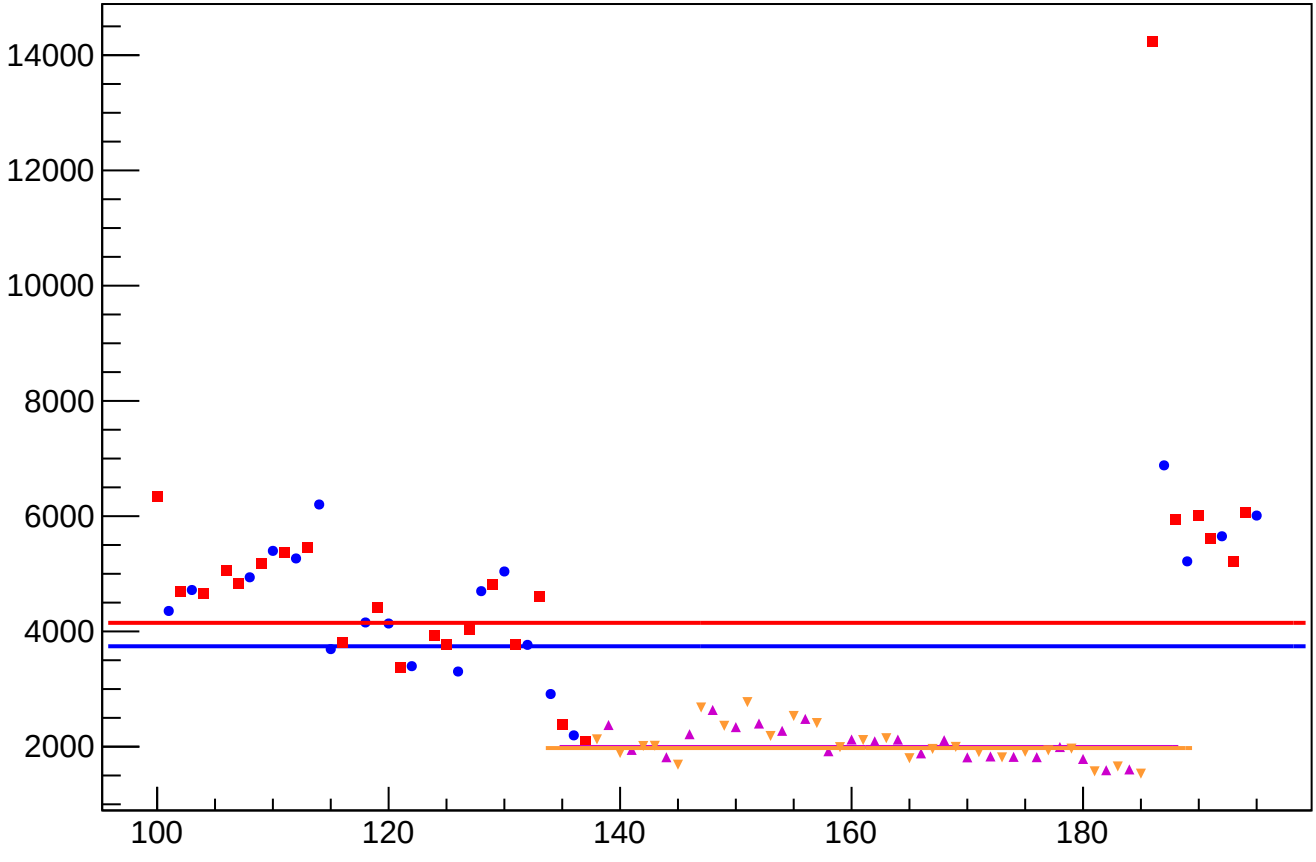
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1268.704+/-427.932 χ^2/NDF: 60.0/44

All: -731.359+/-307.839 χ^2/NDF: 122.1/92

- sign -155.069+/-443.169 χ^2/NDF: 58.8/47

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: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

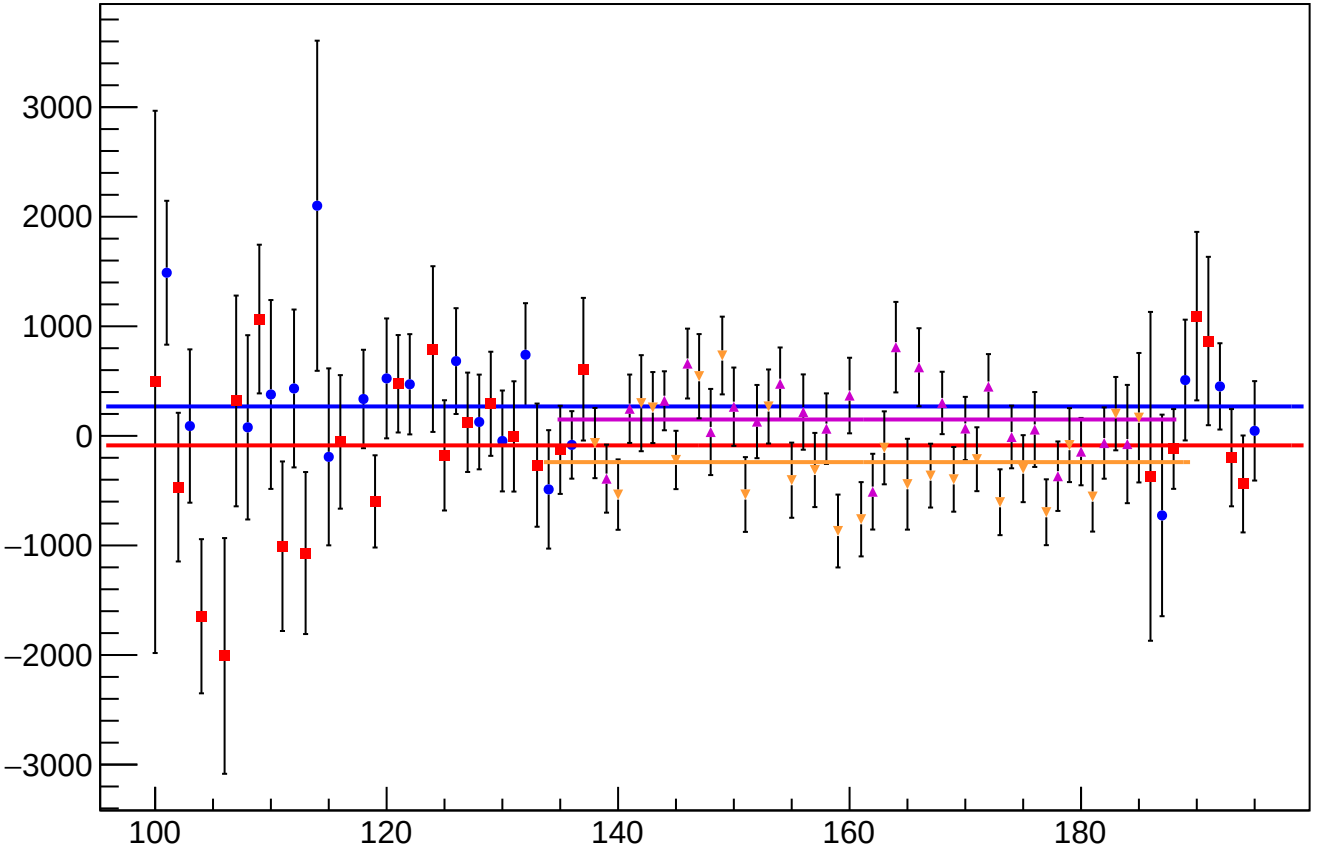
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2177.497+/-0.303 χ^2/NDF: 6232961.7/44

All: 2207.361+/-0.218 χ^2/NDF: 13801344.6/9

- sign 2239.390+/-0.313 χ^2/NDF: 7548196.0/47

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: -86.859+/-113.532 χ^2/NDF: 26.0/24

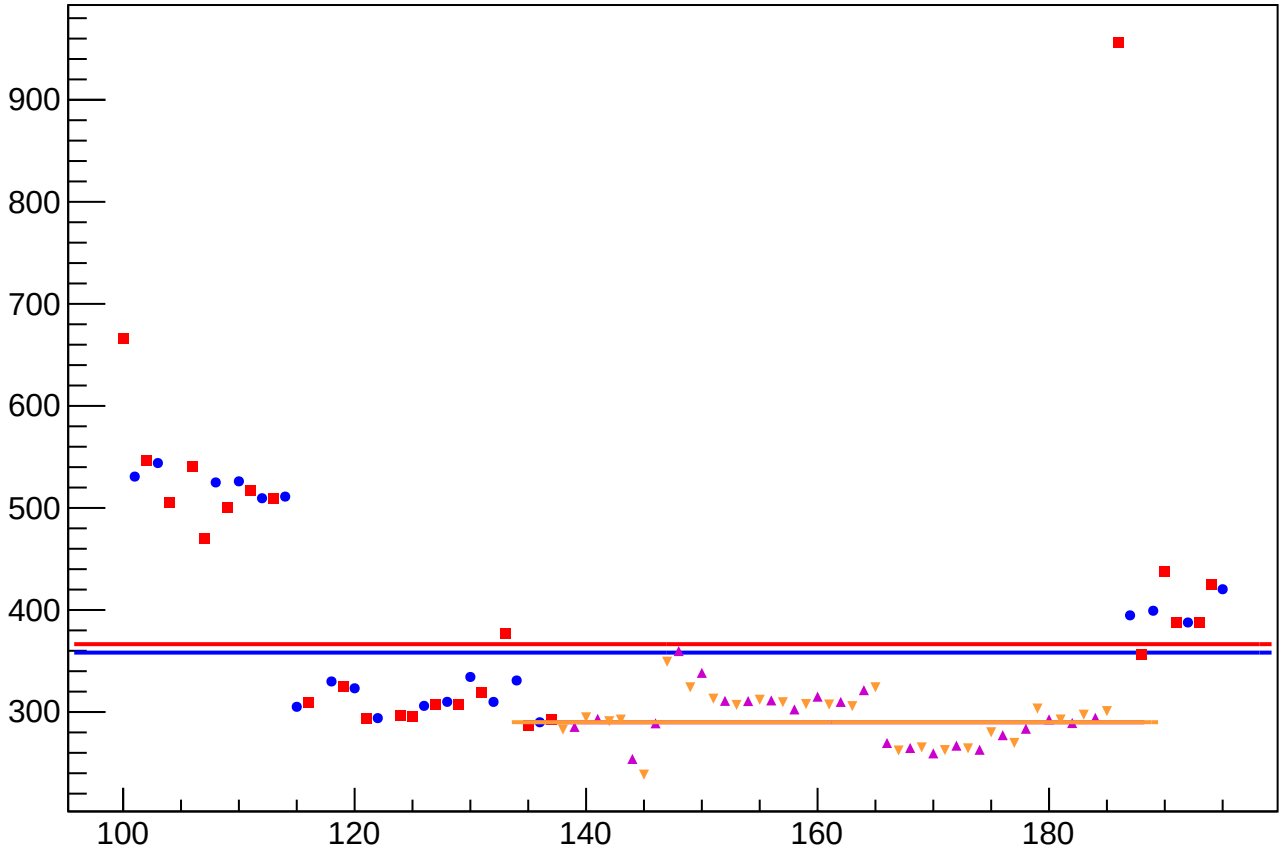
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -116.859+/-57.628 χ^2/NDF: 61.5/44

All: -16.404+/-41.032 χ^2/NDF: 118.5/92

- sign 86.892+/-58.437 χ^2/NDF: 50.8/47

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: 366.500+/-0.080 χ^2/NDF: 1254722.1/24

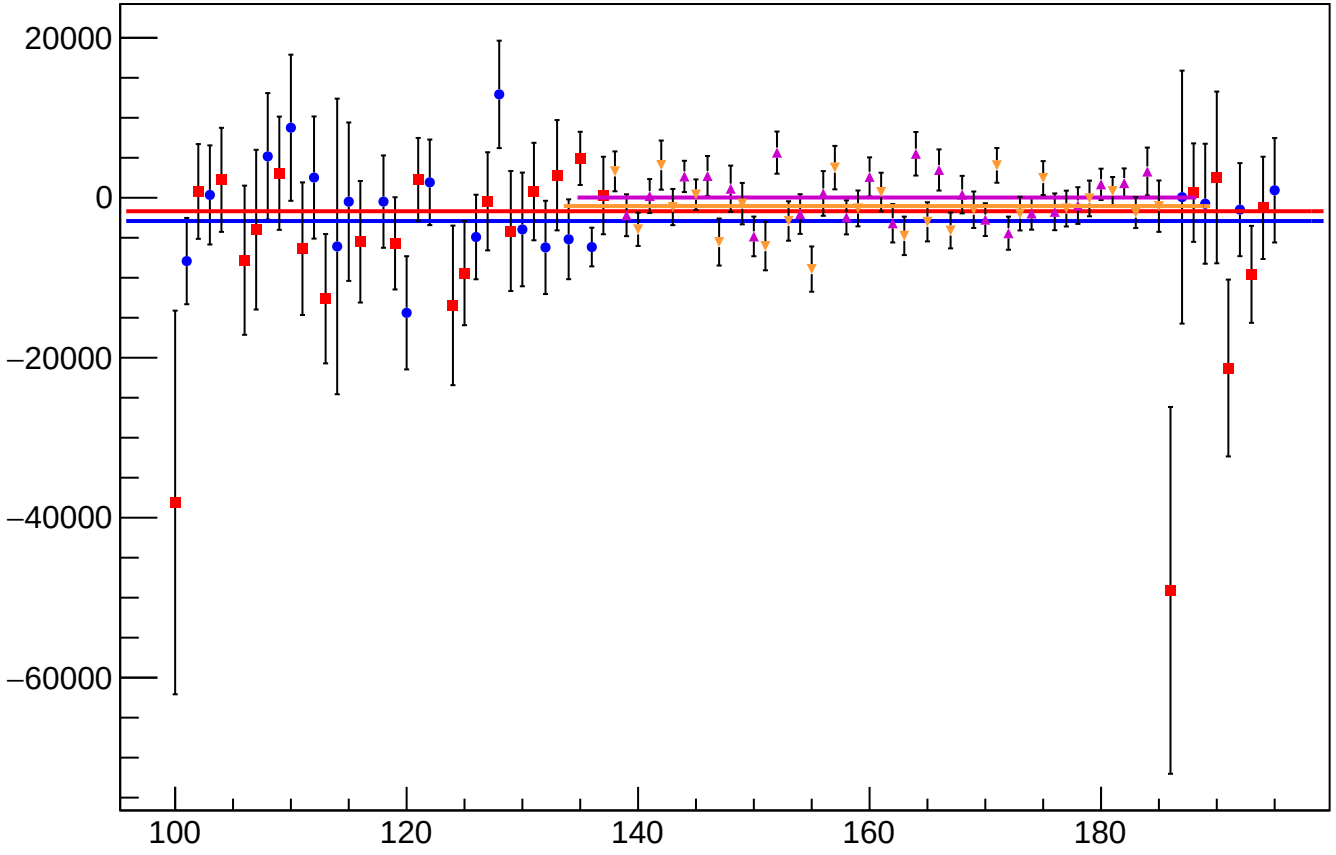
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 306.491+/-0.041 χ^2/NDF: 1641246.6/44

All: 308.332+/-0.029 χ^2/NDF: 3838294.8/92

- sign 310.225+/-0.041 χ^2/NDF: 2192909.8/47

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: -1682.772+/-1329.810 χ^2/NDF: 24.3/24

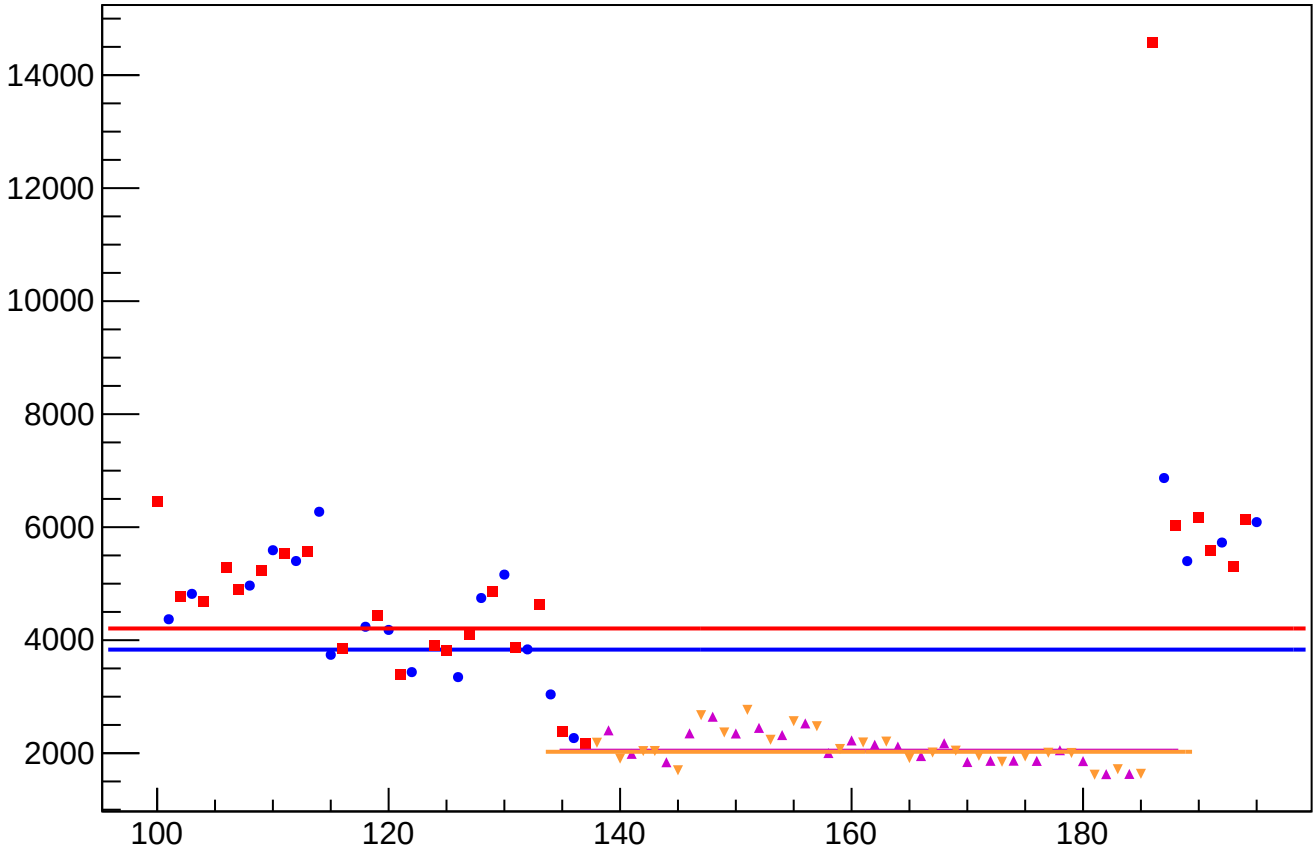
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1250.814+/-437.894 χ^2/NDF: 58.8/44

All: -728.581+/-314.972 χ^2/NDF: 121.6/92

- sign -168.744+/-453.385 χ^2/NDF: 59.9/47

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: 4207.238+/-0.940 χ^2/NDF: 2212573.6/24

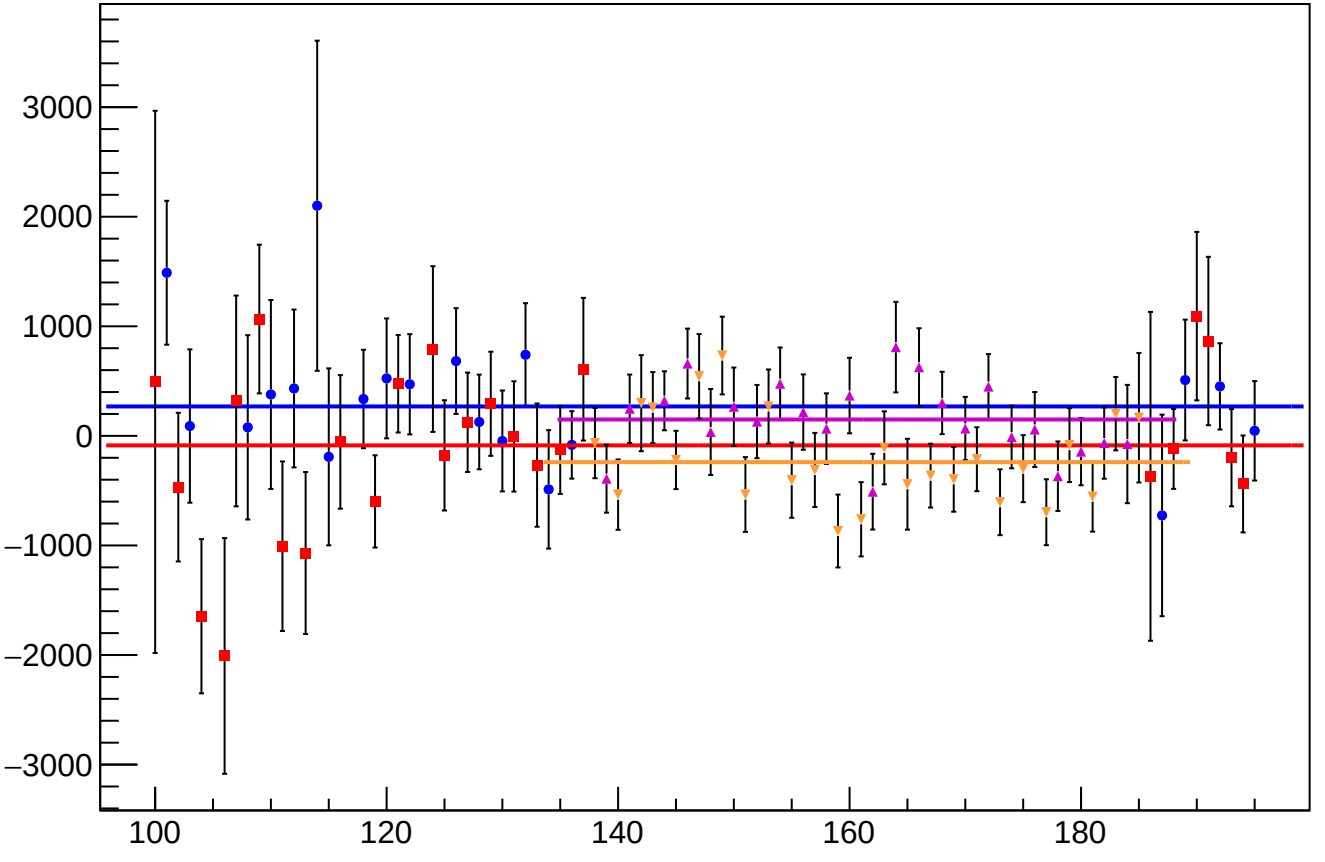
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2231.966+/-0.310 χ^2/NDF: 6111080.5/44

All: 2262.830+/-0.223 χ^2/NDF: 13604183.8/9

- sign 2295.916+/-0.321 χ^2/NDF: 7472516.6/47

eigen_dit_asym_sam2_mean vs Slug



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: -86.859+/-113.532 χ^2/NDF: 25.9/24

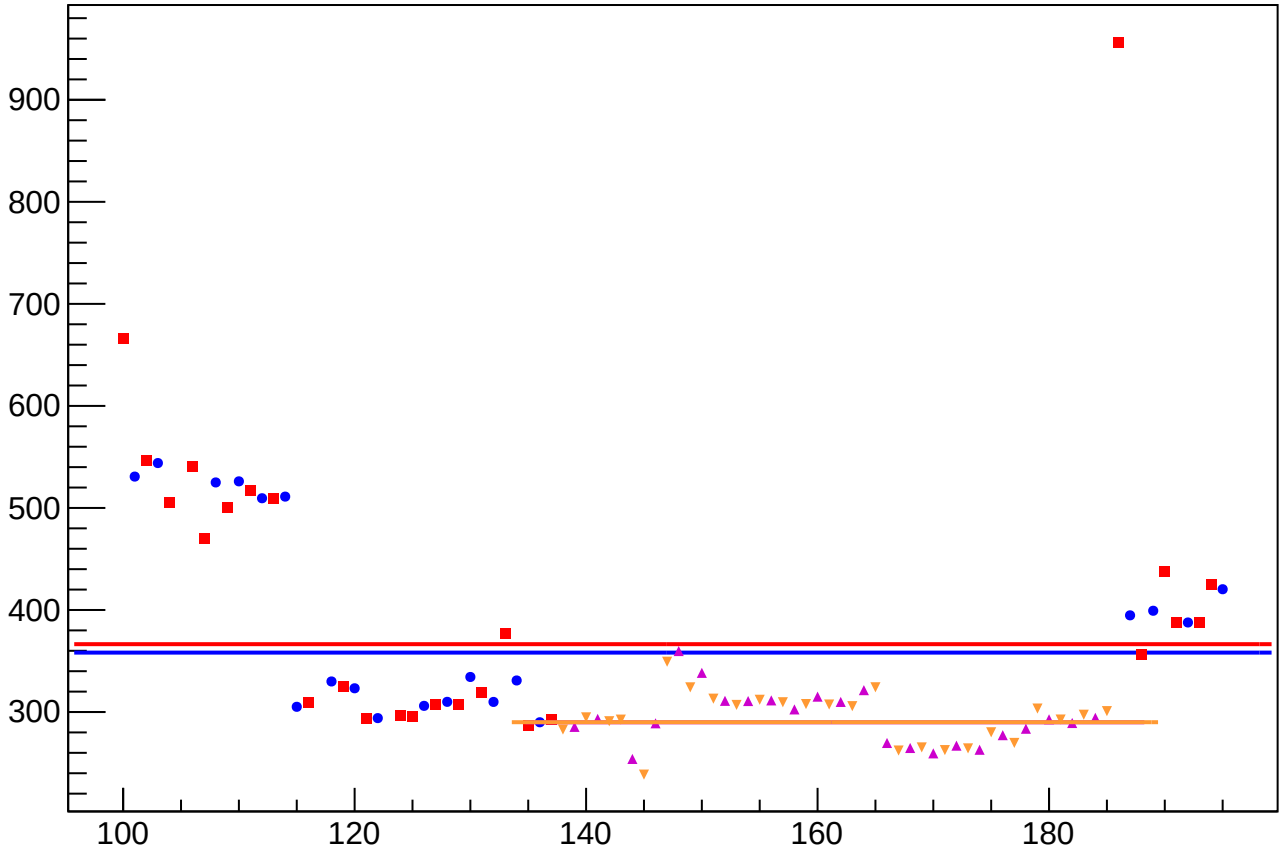
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -116.860+/-57.628 χ^2/NDF: 61.5/44

All: -16.404+/-41.032 χ^2/NDF: 118.5/92

- sign 86.892+/-58.437 χ^2/NDF: 50.8/47

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: 366.499+/-0.080 χ^2/NDF: 1254712.6/24

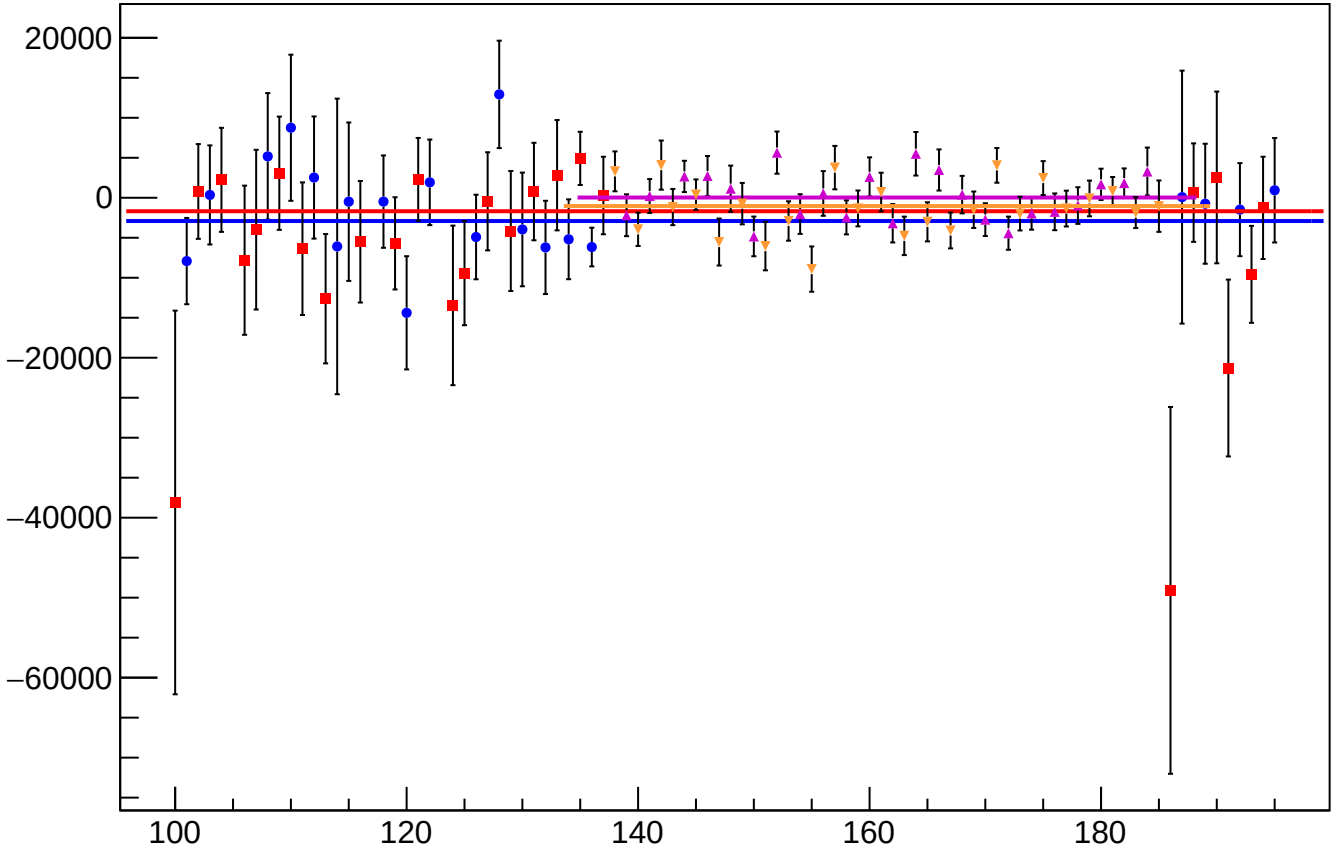
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 306.491+/-0.041 χ^2/NDF: 1641228.8/44

All: 308.332+/-0.029 χ^2/NDF: 3838257.2/92

- sign 310.224+/-0.041 χ^2/NDF: 2192889.8/47

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: -1682.774+/-1329.808 χ^2/NDF: 24.3/24

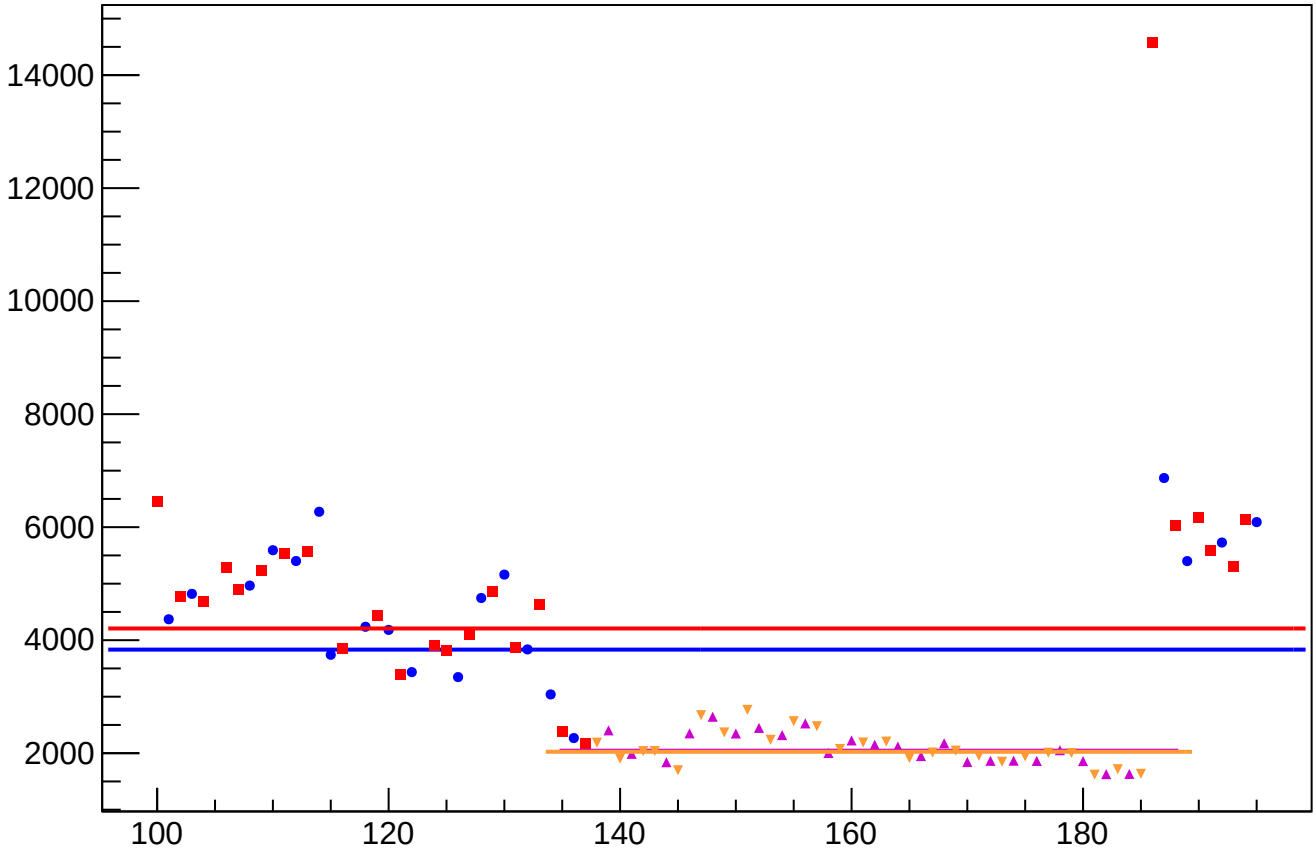
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1250.814+/-437.894 χ^2/NDF: 58.8/44

All: -728.581+/-314.972 χ^2/NDF: 121.6/92

- sign -168.746+/-453.385 χ^2/NDF: 59.9/47

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: 4207.233+/-0.940 χ^2/NDF: 2212567.1/24

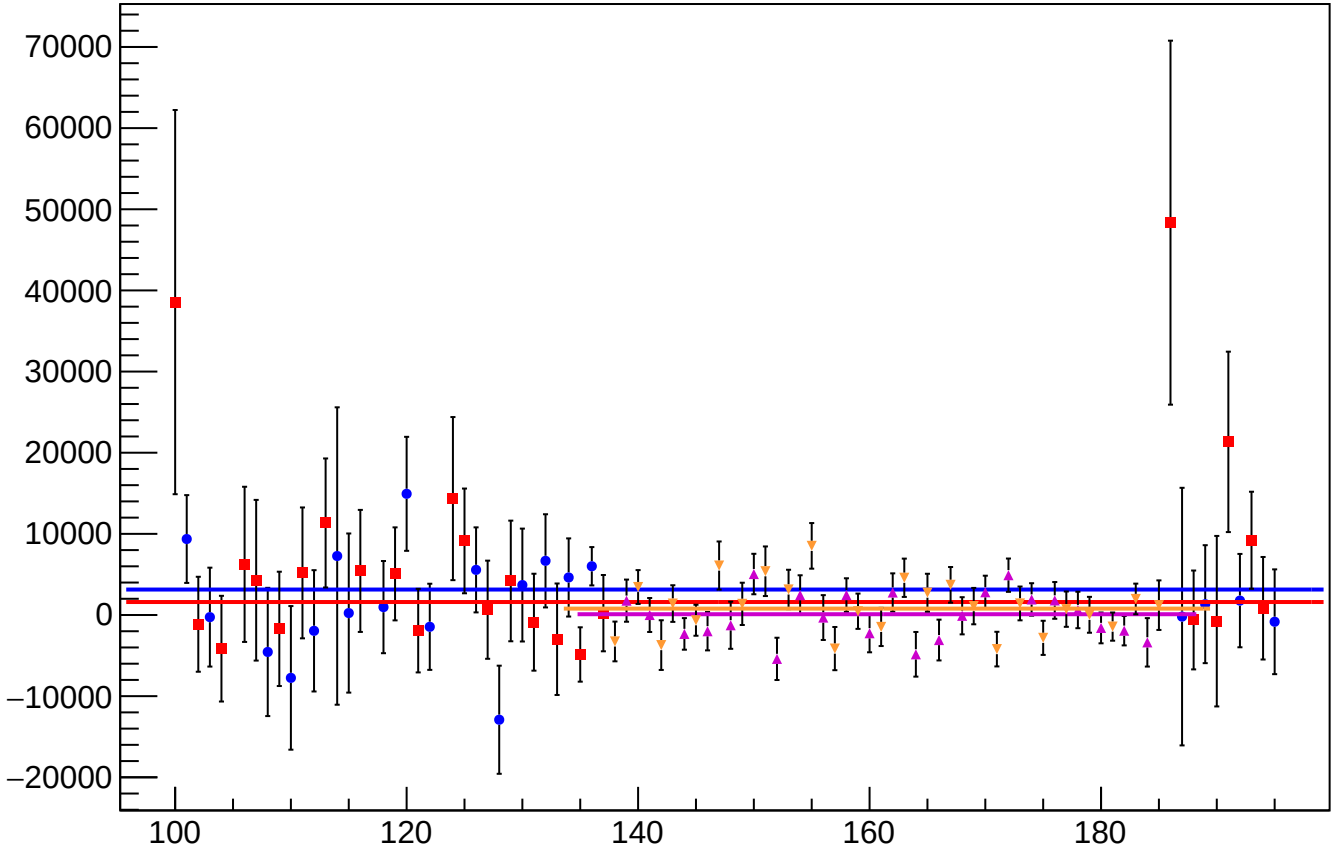
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2231.966+/-0.310 χ^2/NDF: 6111065.8/44

All: 2262.830+/-0.223 χ^2/NDF: 13604157.4/9

- sign 2295.916+/-0.321 χ^2/NDF: 7472505.3/47

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: 1600.282+/-1318.800 χ^2/NDF: 23.6/24

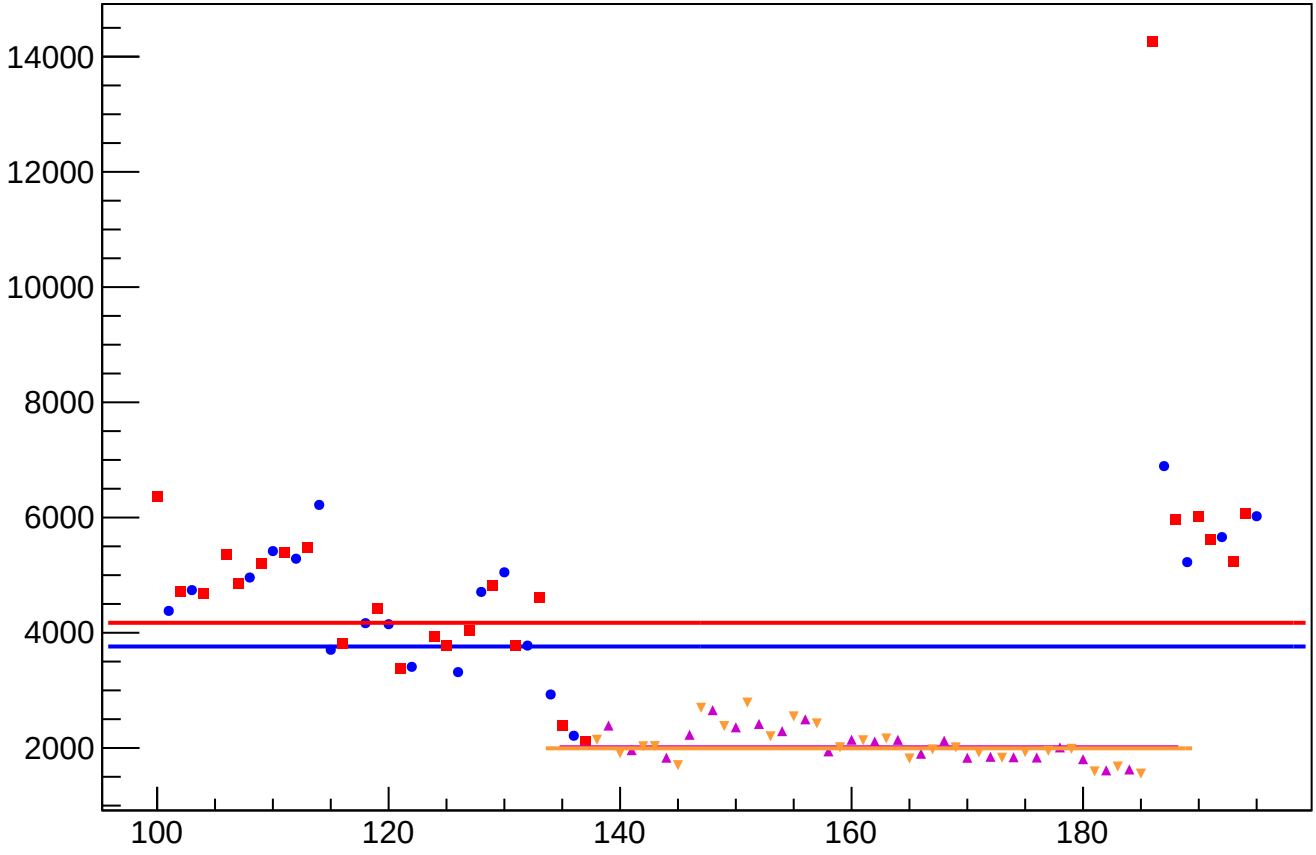
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1058.544+/-431.545 χ^2/NDF: 61.3/44

All: 677.568+/-310.385 χ^2/NDF: 120.5/92

- sign 269.271+/-446.751 χ^2/NDF: 57.6/47

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

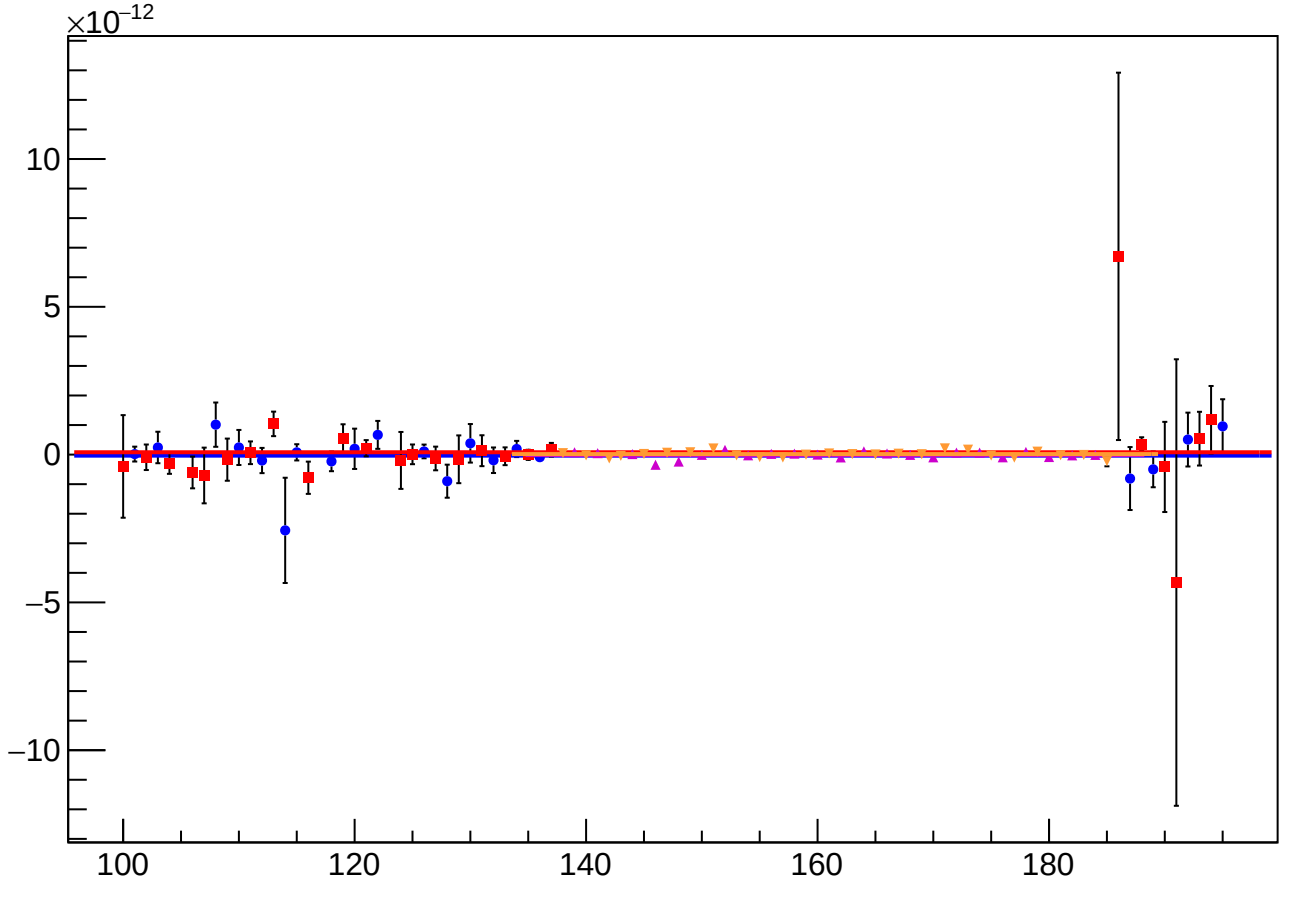
Right Out: 4173.042+/-0.933 χ^2/NDF: 2188637.6/24

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2197.470+/-0.305 χ^2/NDF: 6164355.6/44

All: 2227.944+/-0.219 χ^2/NDF: 13711903.0/9

- sign 2260.603+/-0.316 χ^2/NDF: 7526885.7/47



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: 18.0/24

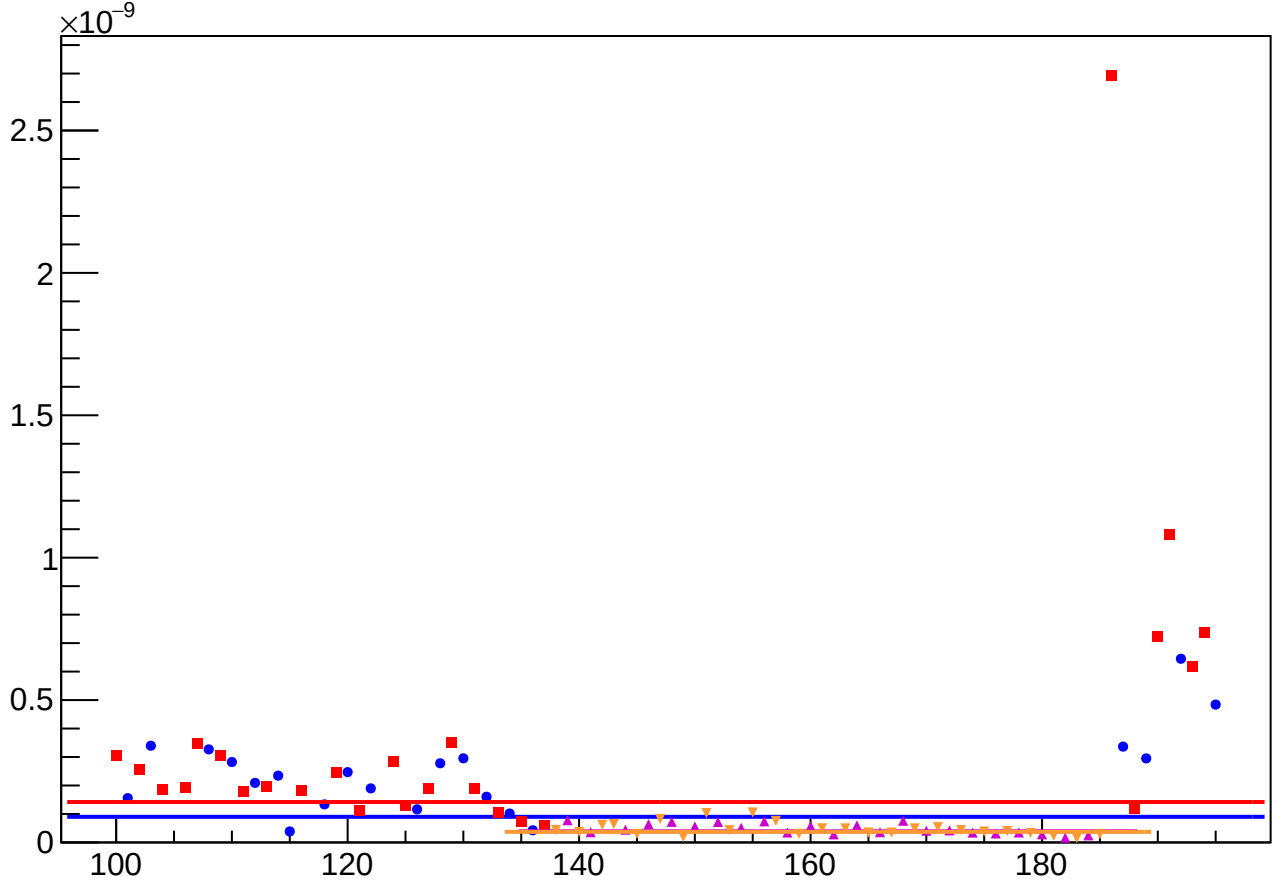
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/44

All: 0.000+/-0.000 χ^2/NDF: 87.9/92

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47

asym_sam2_reg_vs_cor_diff_rms vs Slug



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: 3187406.0/24

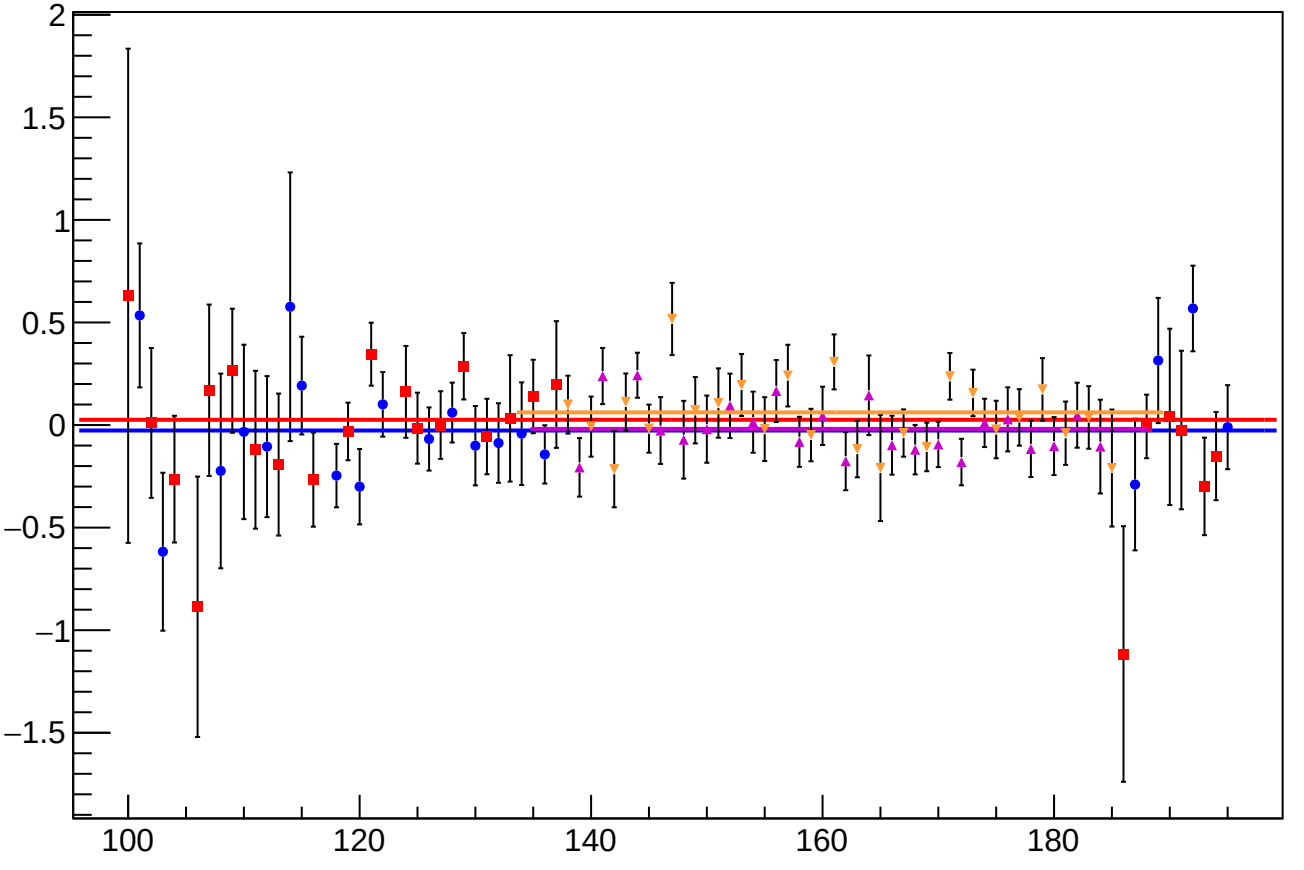
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7955094.8/44

All: 0.000+/-0.000 χ^2/NDF: 16338206.2/92

- sign 0.000+/-0.000 χ^2/NDF: 8349313.0/47

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: 0.026+/-0.046 χ^2/NDF: 20.5/24

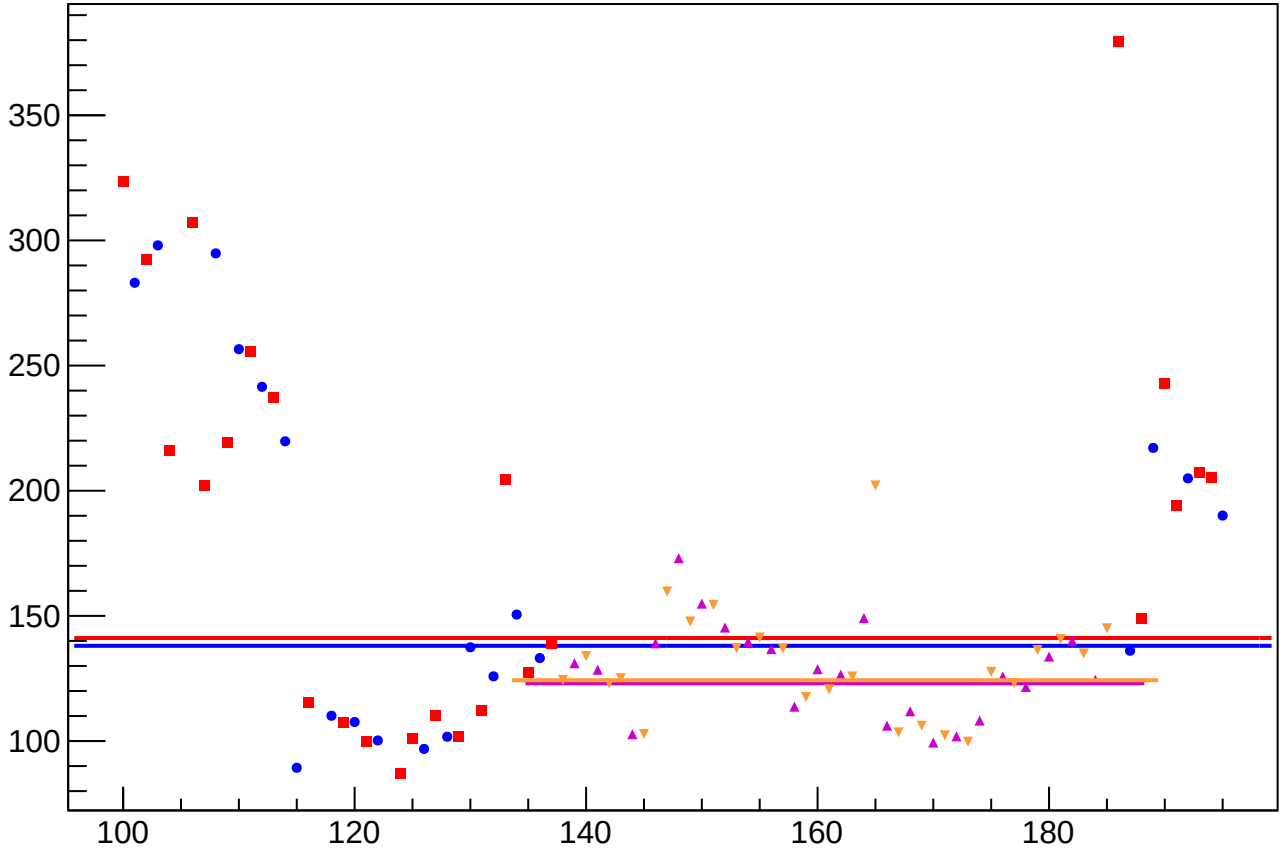
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.016+/-0.017 χ^2/NDF: 96.2/92

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

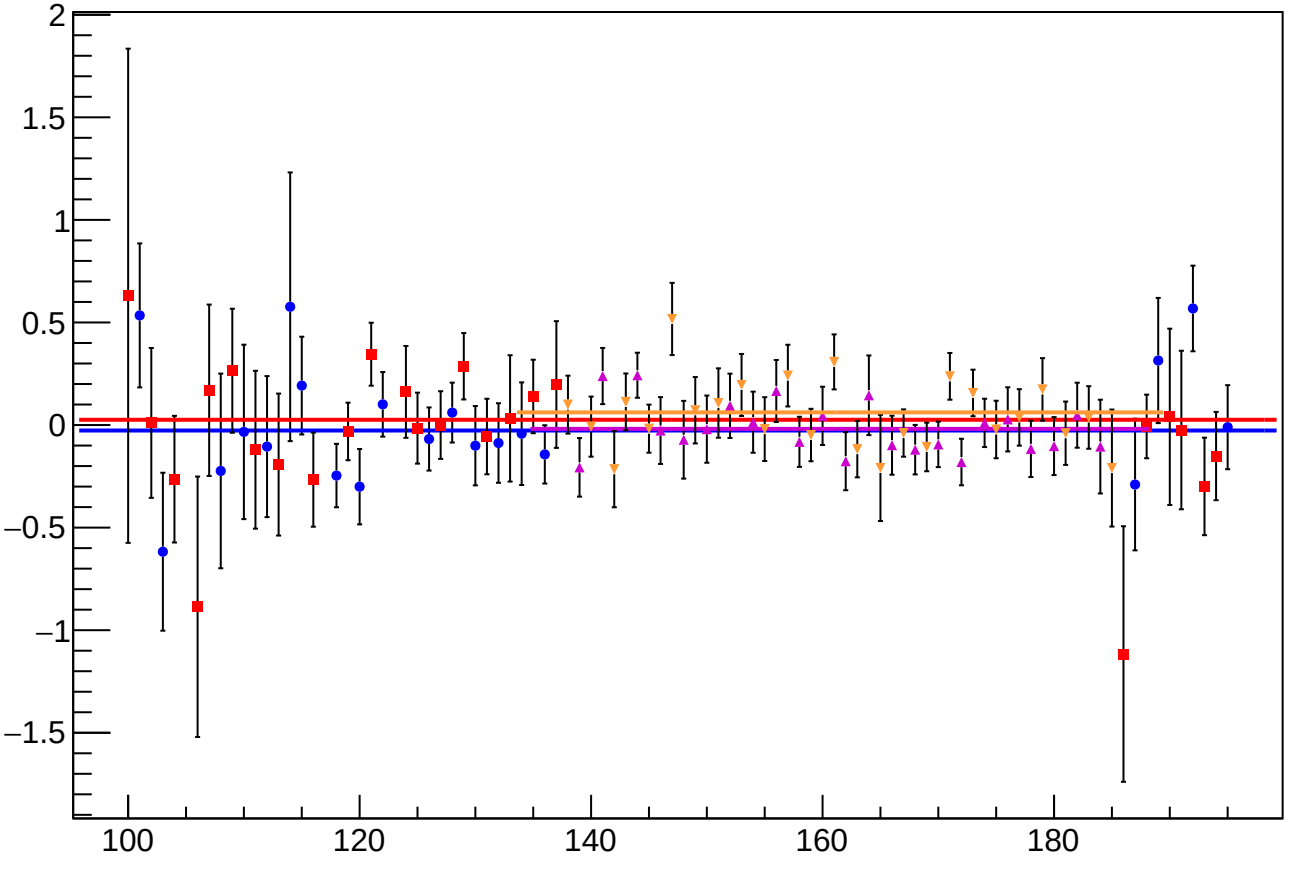
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307085.9/44

All: 128.114+/-0.012 χ^2/NDF: 7019365.7/92

- sign 128.280+/-0.017 χ^2/NDF: 3712099.4/47

asym_sam2_dit_vs_eigen_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: 0.026+/-0.046 χ^2/NDF: 20.5/24

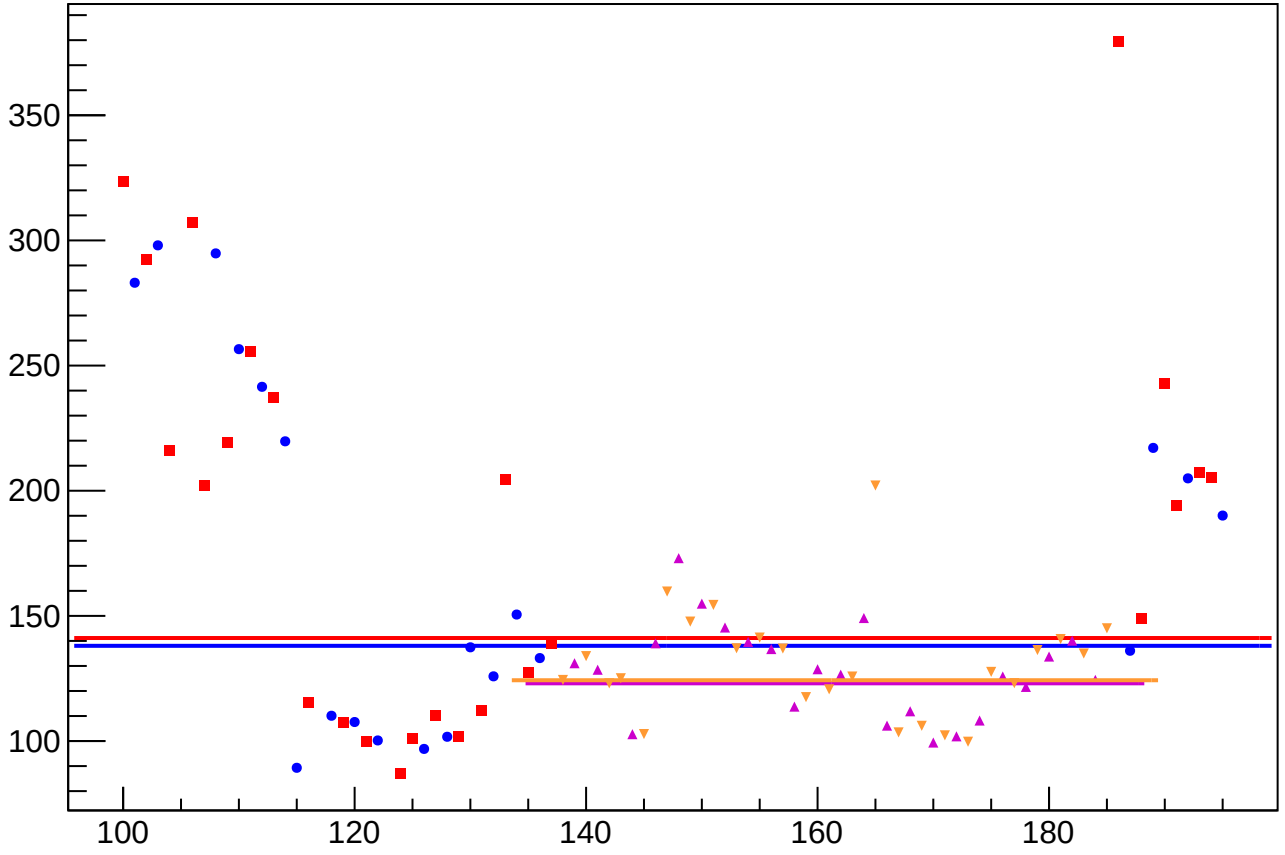
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.016+/-0.017 χ^2/NDF: 96.2/92

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

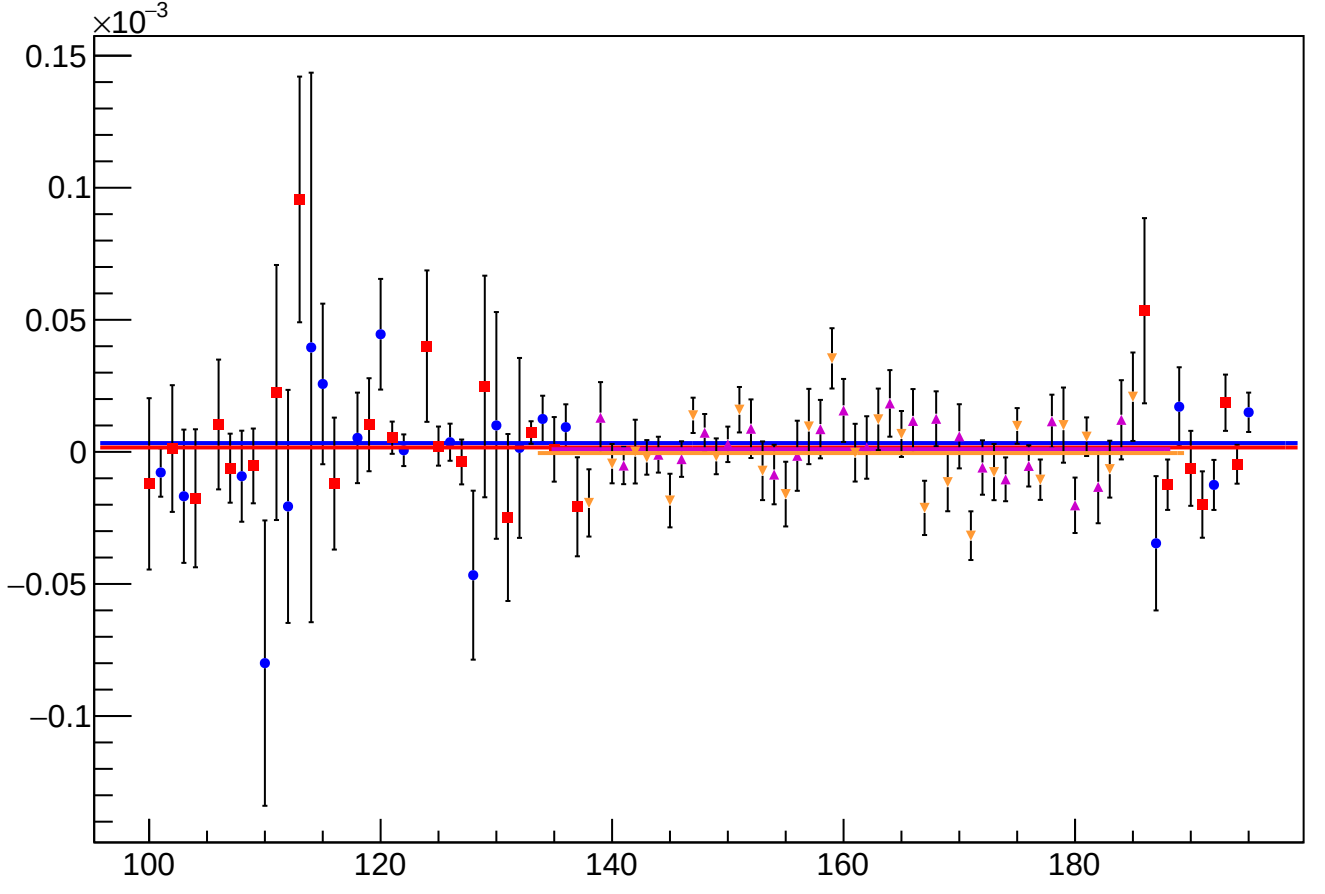
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307085.9/44

All: 128.114+/-0.012 χ^2/NDF: 7019365.7/92

- sign 128.280+/-0.017 χ^2/NDF: 3712099.4/47

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



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: 23.9/24

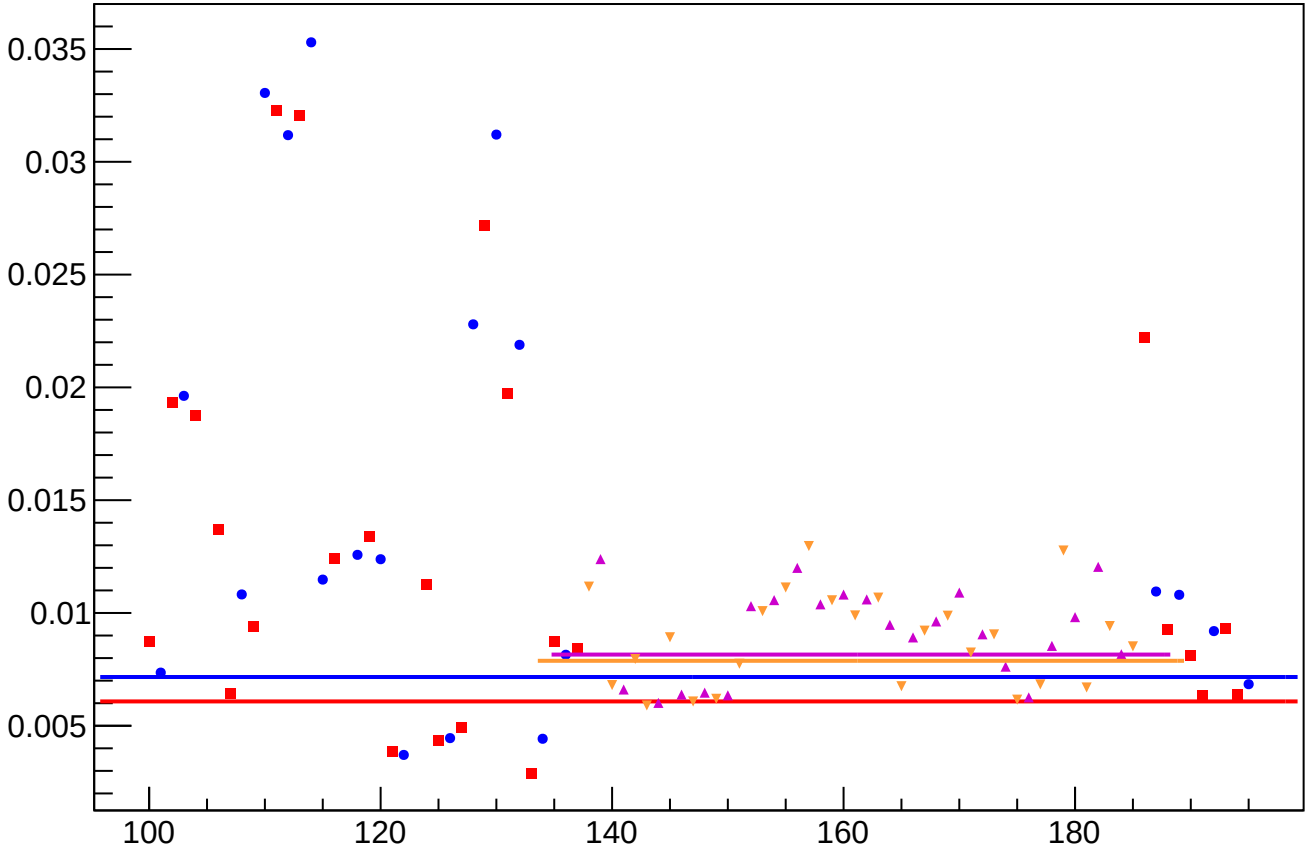
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.2/44

All: 0.000+/-0.000 χ^2/NDF: 120.2/92

- sign 0.000+/-0.000 χ^2/NDF: 43.9/47

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

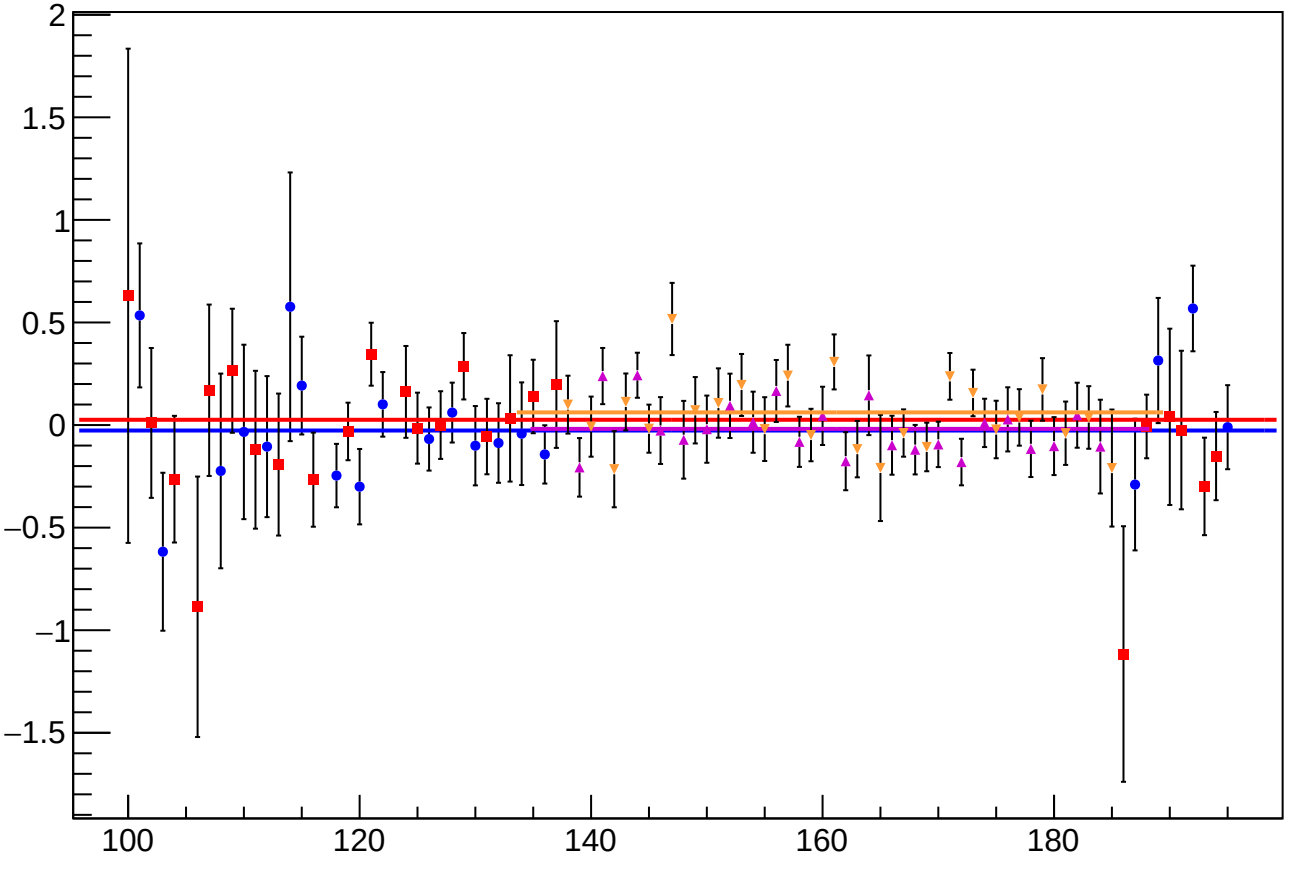
Right Out: 0.006+/-0.000 χ^2/NDF: 6569479.4/24

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: 16856682.6/92

- sign 0.007+/-0.000 χ^2/NDF: 9549486.2/47



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: 0.026+/-0.046 χ^2/NDF: 20.5/24

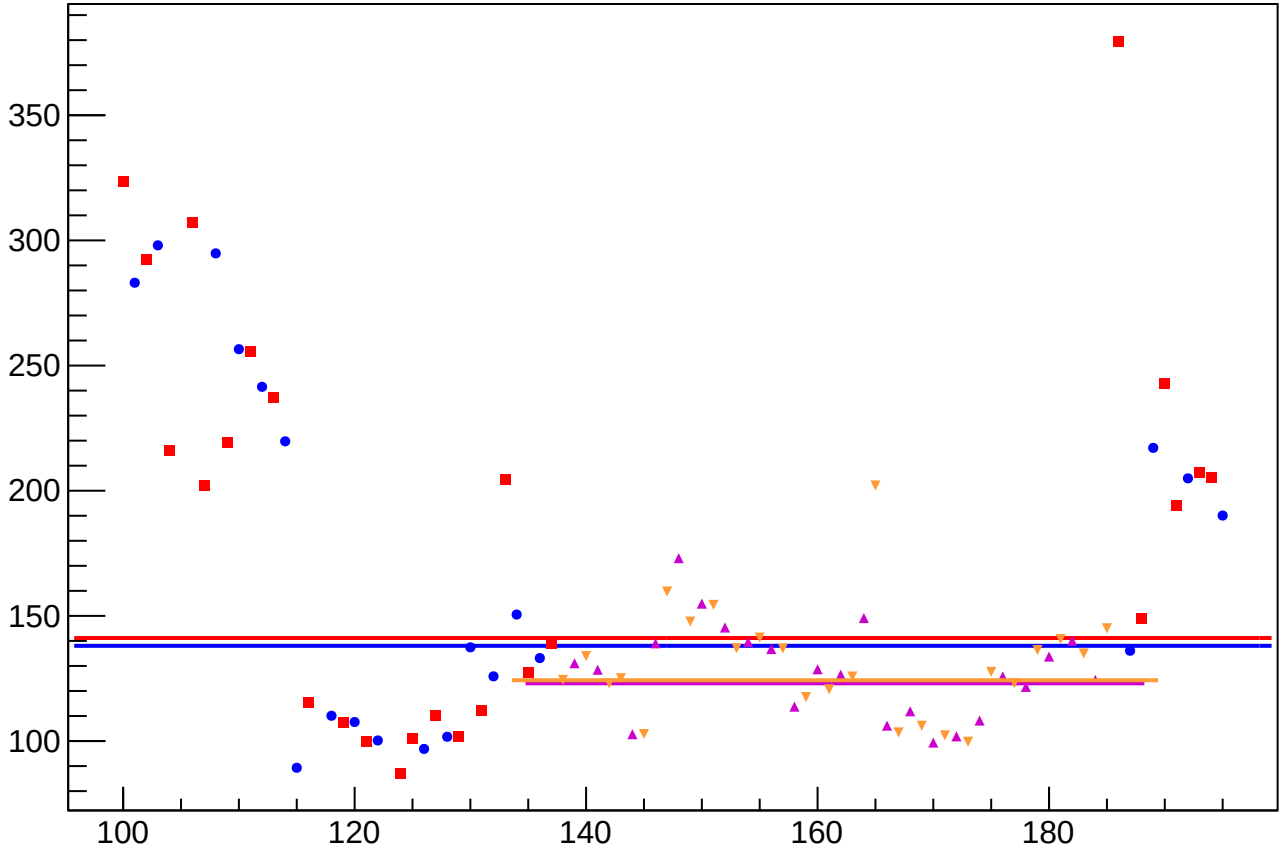
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.016+/-0.017 χ^2/NDF: 96.2/92

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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

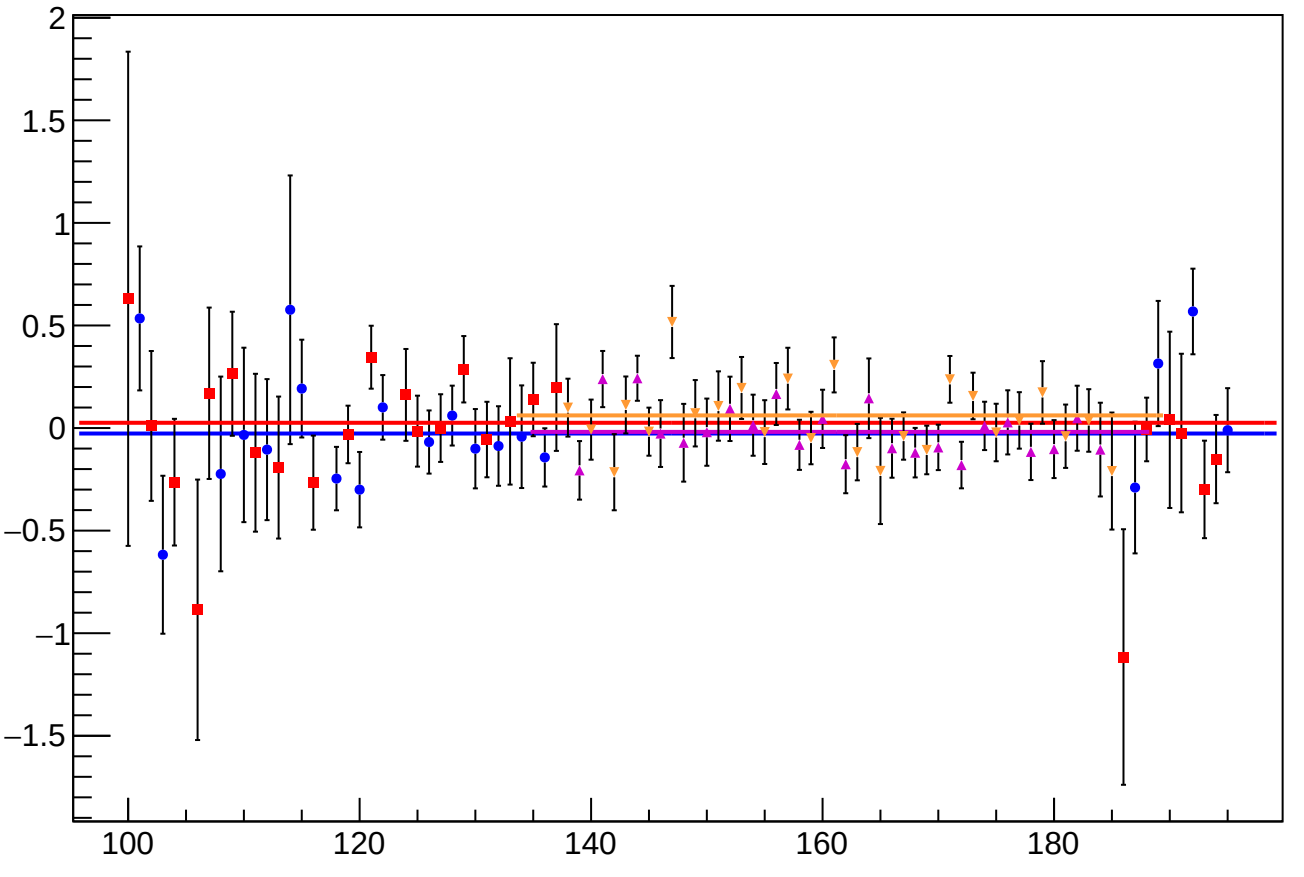
Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307096.8/44

All: 128.113+/-0.012 χ^2/NDF: 7019391.8/92

- sign 128.280+/-0.017 χ^2/NDF: 3712114.7/47



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

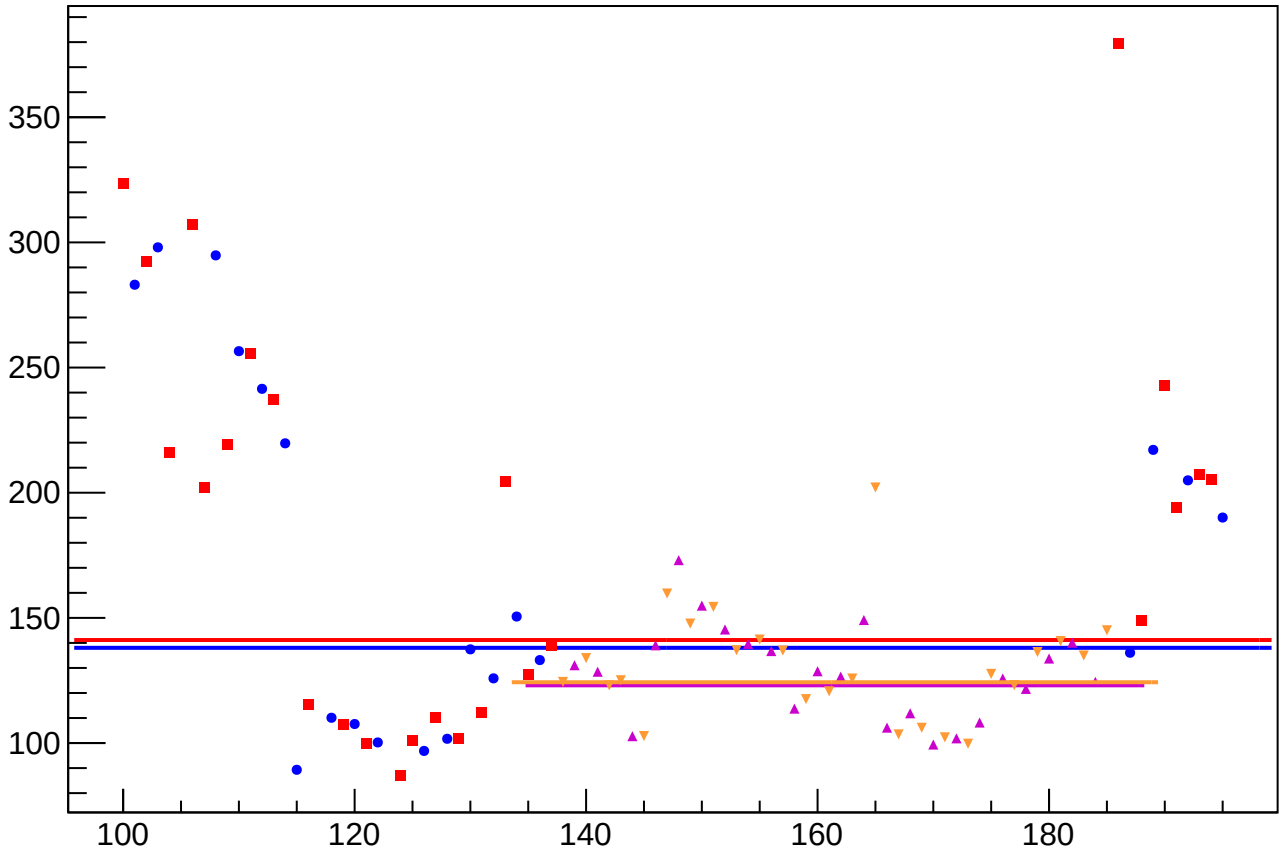
Right Out: 0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.025 χ^2/NDF: 53.1/44

All: 0.016+/-0.017 χ^2/NDF: 96.2/92

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47



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: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

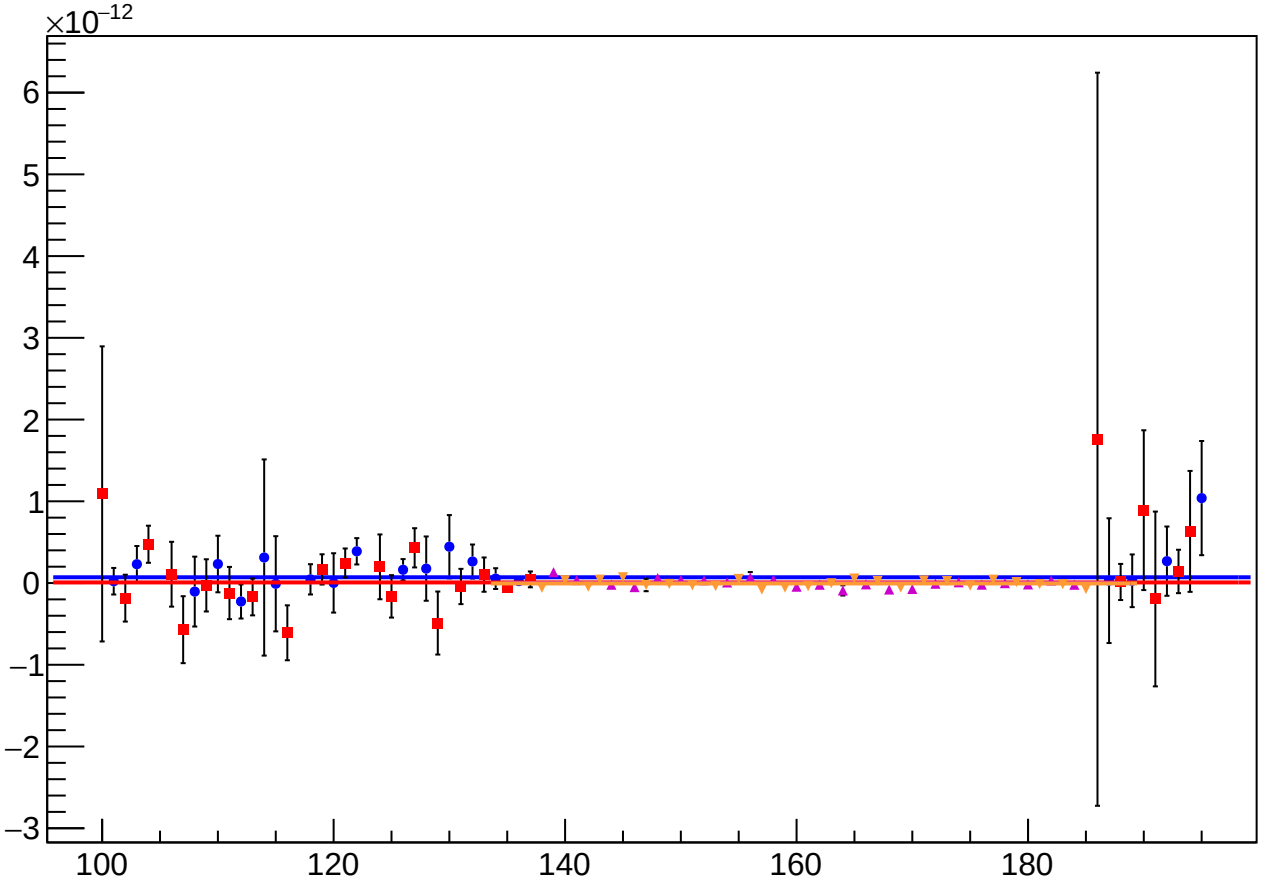
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.949+/-0.017 χ^2/NDF: 3307096.8/44

All: 128.113+/-0.012 χ^2/NDF: 7019391.8/92

- sign 128.280+/-0.017 χ^2/NDF: 3712114.7/47

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: 22.7/24

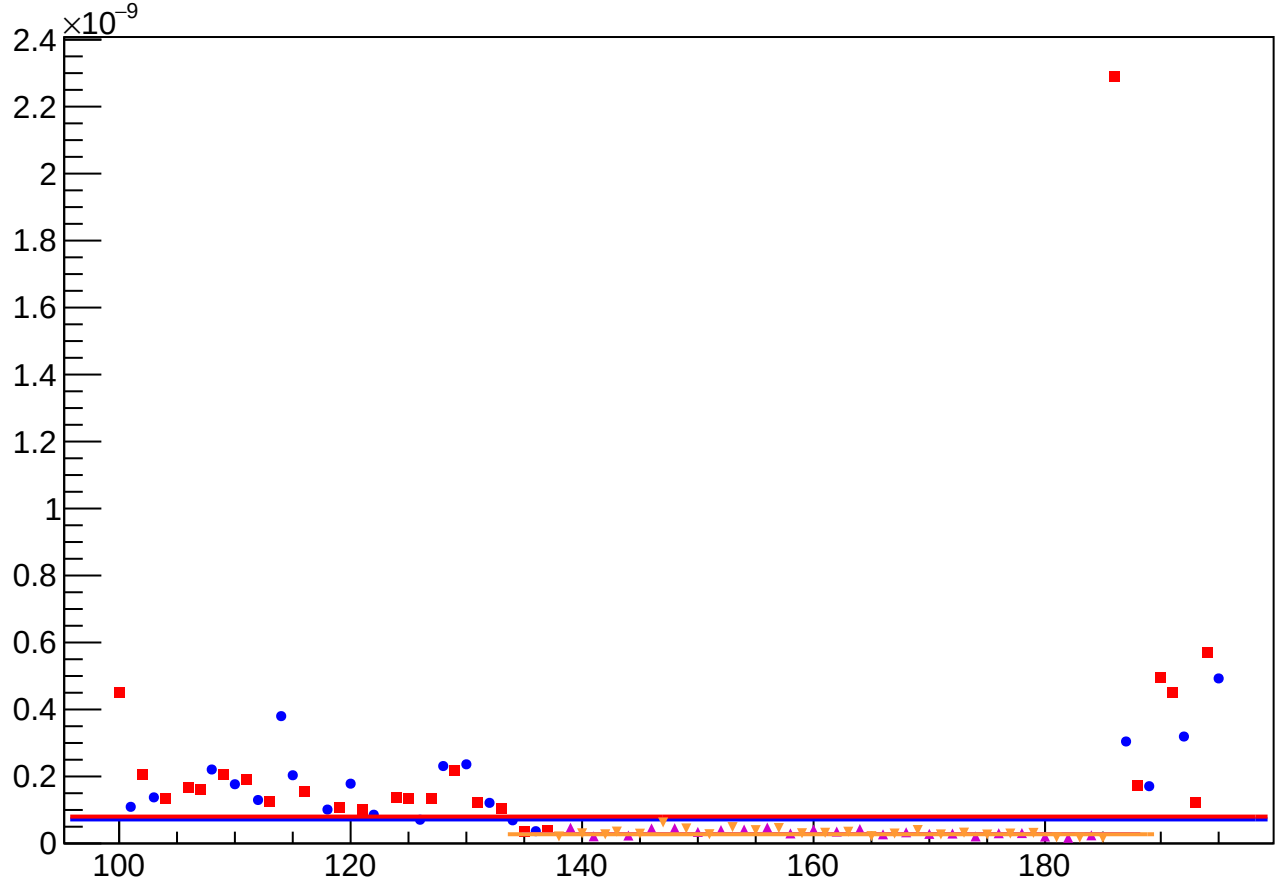
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/44

All: -0.000+/-0.000 χ^2/NDF: 88.6/92

- sign 0.000+/-0.000 χ^2/NDF: 47.3/47

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: 6073316.8/24

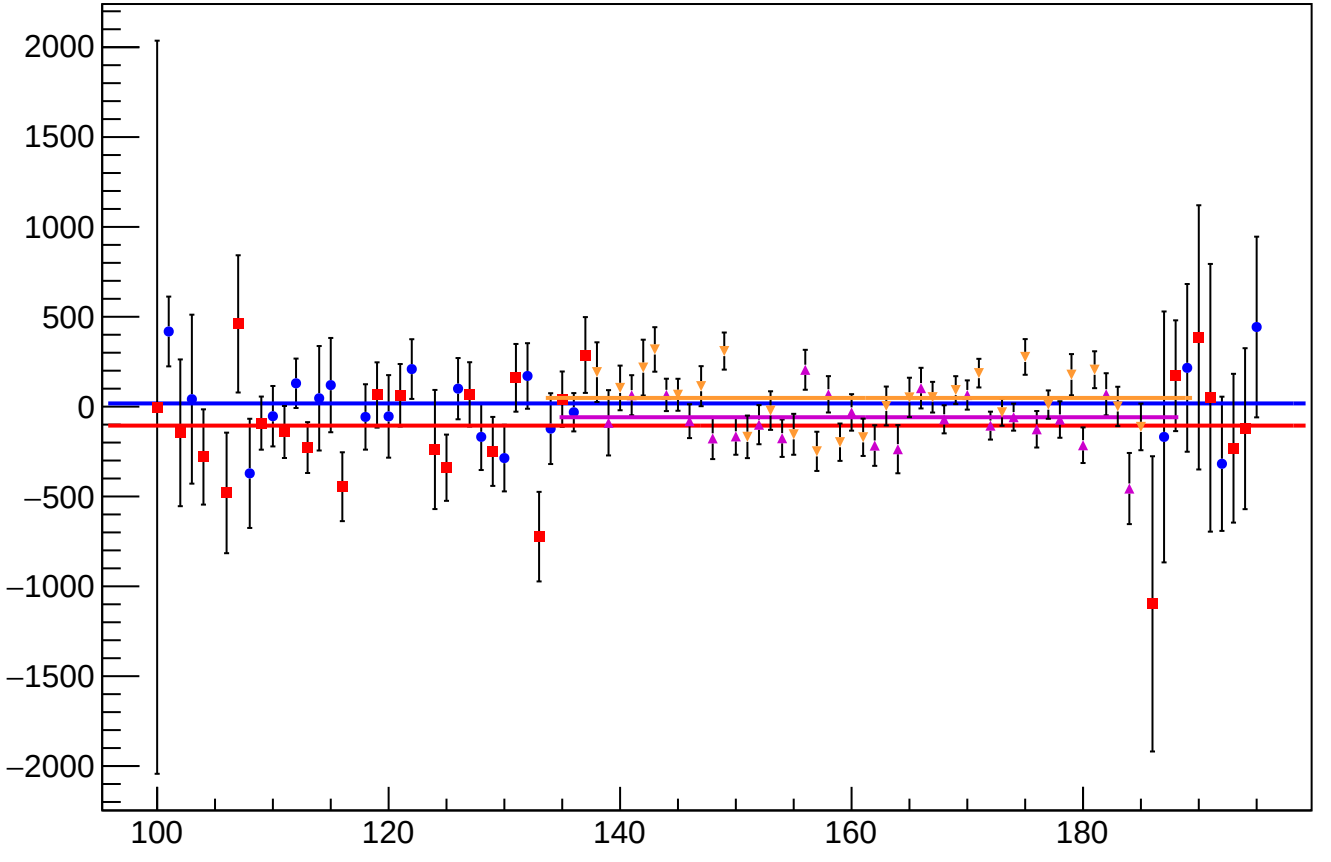
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10324518.3/44

All: 0.000+/-0.000 χ^2/NDF: 22130841.0/92

- sign 0.000+/-0.000 χ^2/NDF: 11790520.2/47

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: -105.612+/-44.601 χ^2/NDF: 28.3/24

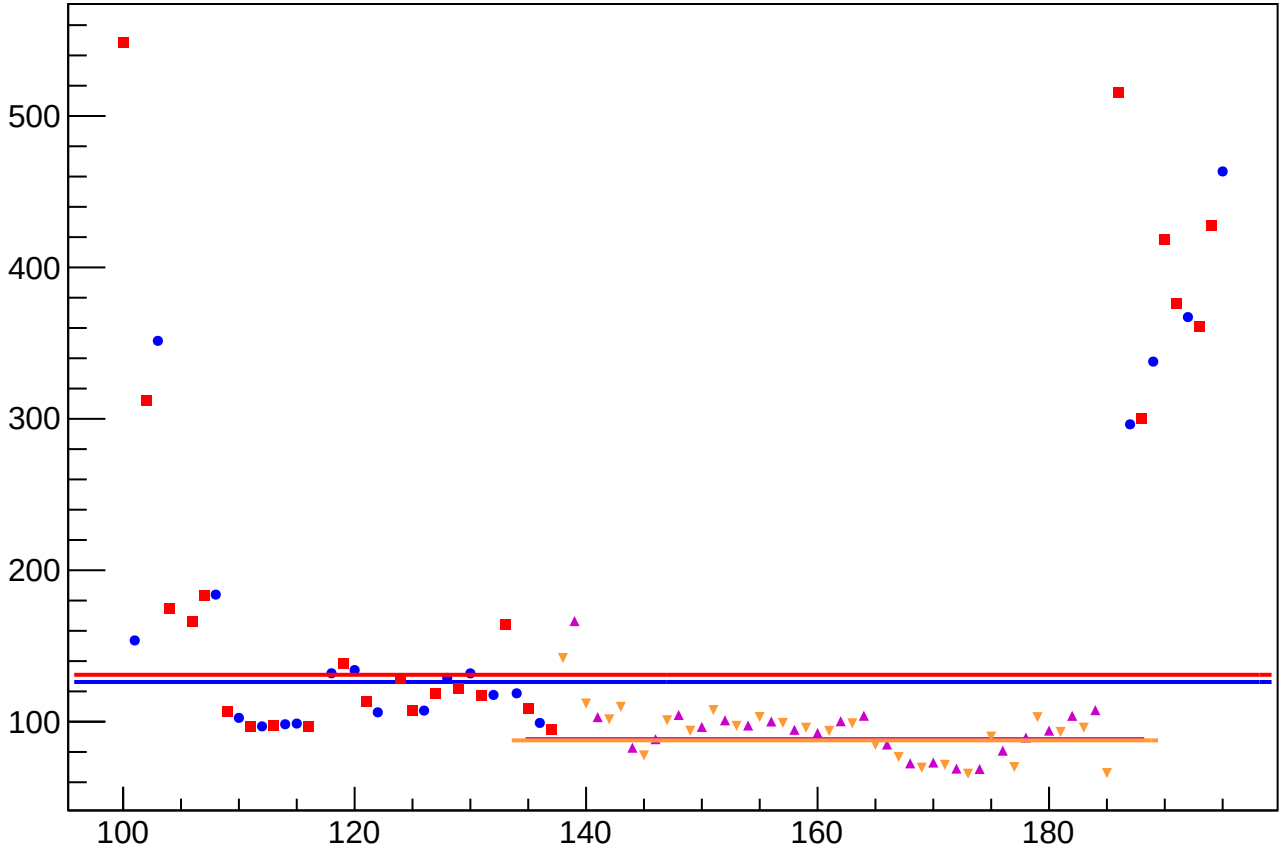
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.141+/-18.589 χ^2/NDF: 69.6/44

All: -10.671+/-13.326 χ^2/NDF: 146.7/92

- sign -67.572+/-19.115 χ^2/NDF: 59.8/47

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: 130.964+/-0.032 χ^2/NDF: 4208551.6/24

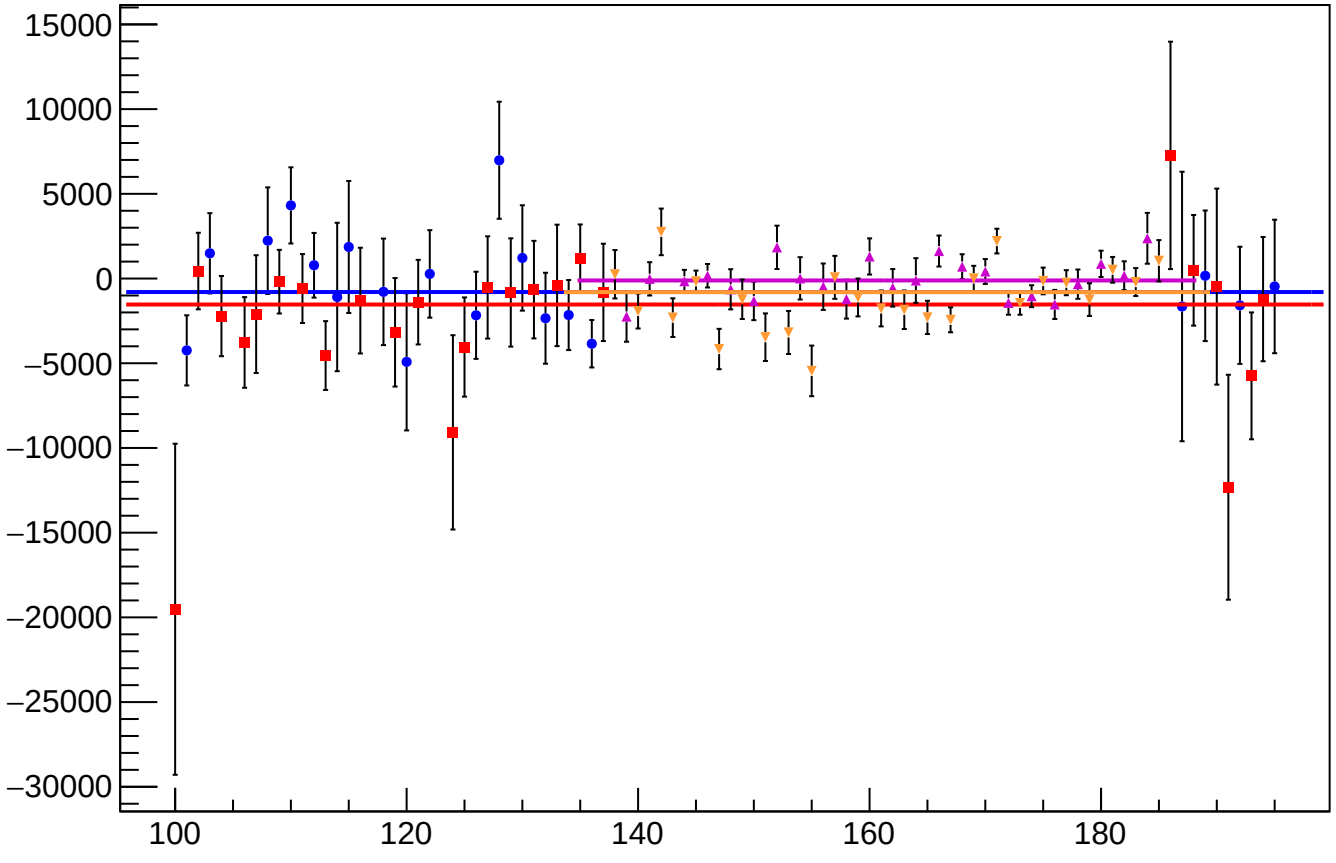
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 94.271+/-0.013 χ^2/NDF: 5637461.5/44

All: 95.250+/-0.009 χ^2/NDF: 12414278.3/92

\- sign 96.285+/-0.014 χ^2/NDF: 6765410.3/47

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: -1533.302+/-579.801 χ^2/NDF: 19.0/24

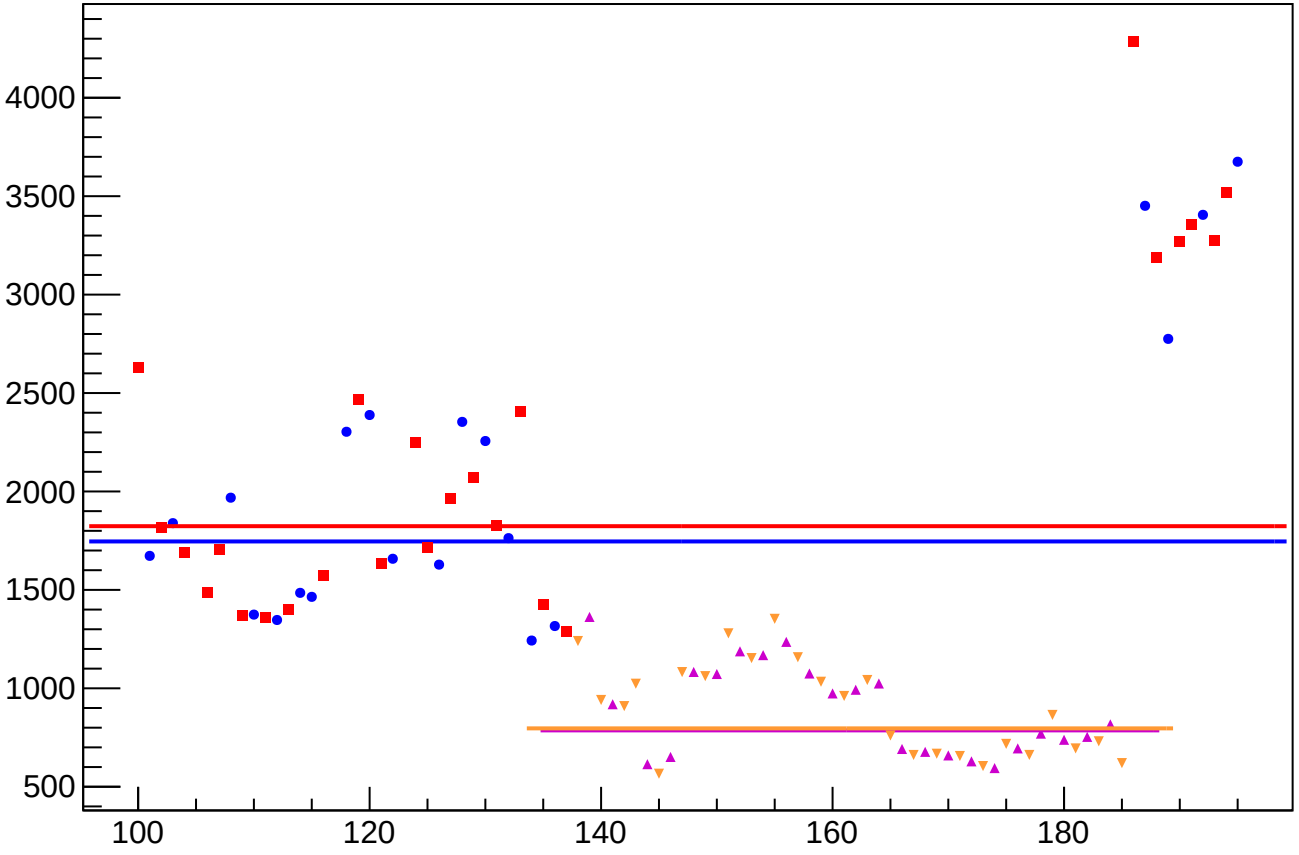
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.057+/-178.932 χ^2/NDF: 95.5/44

All: -528.670+/-127.174 χ^2/NDF: 151.6/92

- sign -250.617+/-180.784 χ^2/NDF: 51.4/47

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: 1823.636+/-0.410 χ^2/NDF: 2280780.3/24

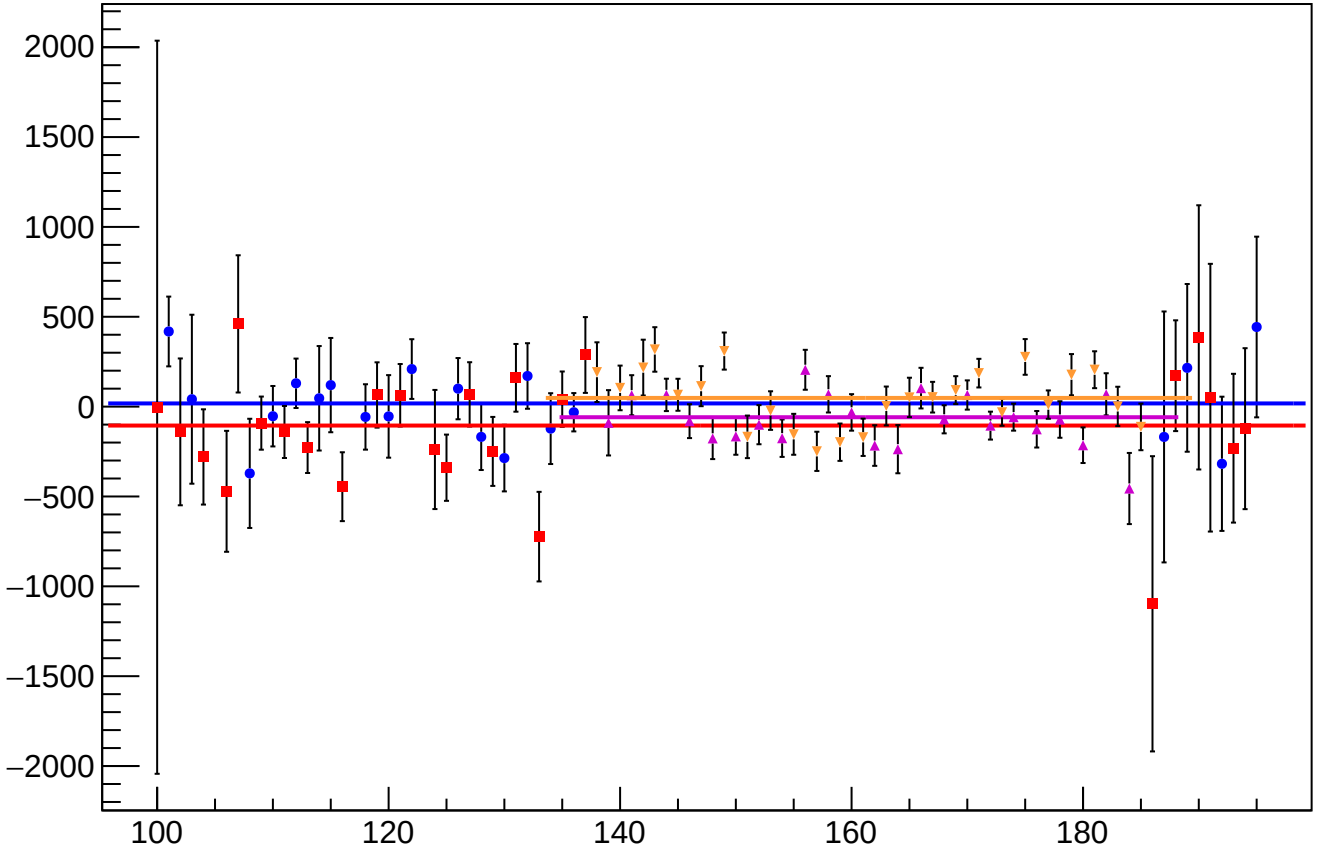
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 883.670+/-0.127 χ^2/NDF: 9003968.1/44

All: 885.409+/-0.090 χ^2/NDF: 19220850.2/92

- sign 887.184+/-0.128 χ^2/NDF: 10216500.4/47

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: -105.340+/-44.604 χ^2/NDF: 28.3/24

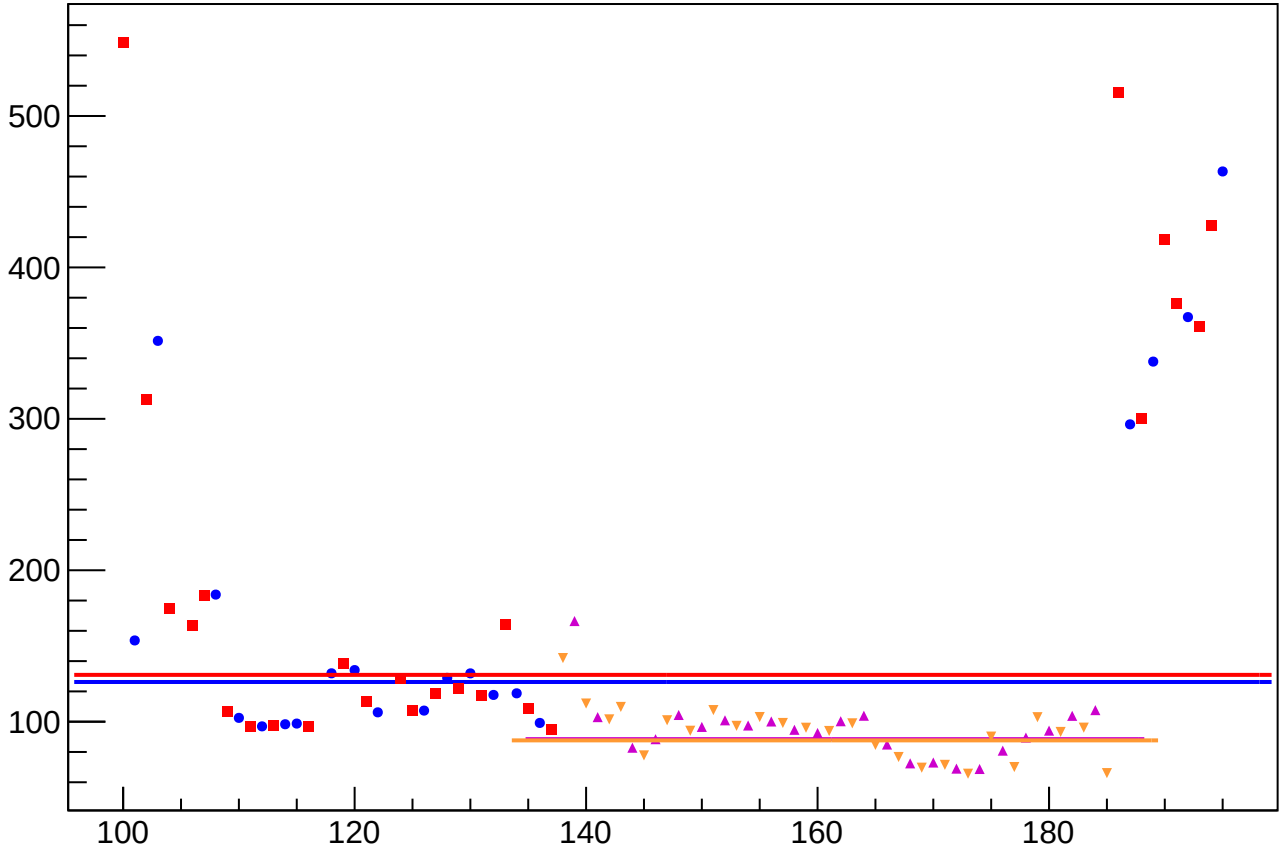
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.145+/-18.589 χ^2/NDF: 69.6/44

All: -10.645+/-13.326 χ^2/NDF: 146.6/92

- sign -67.524+/-19.115 χ^2/NDF: 59.7/47

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: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

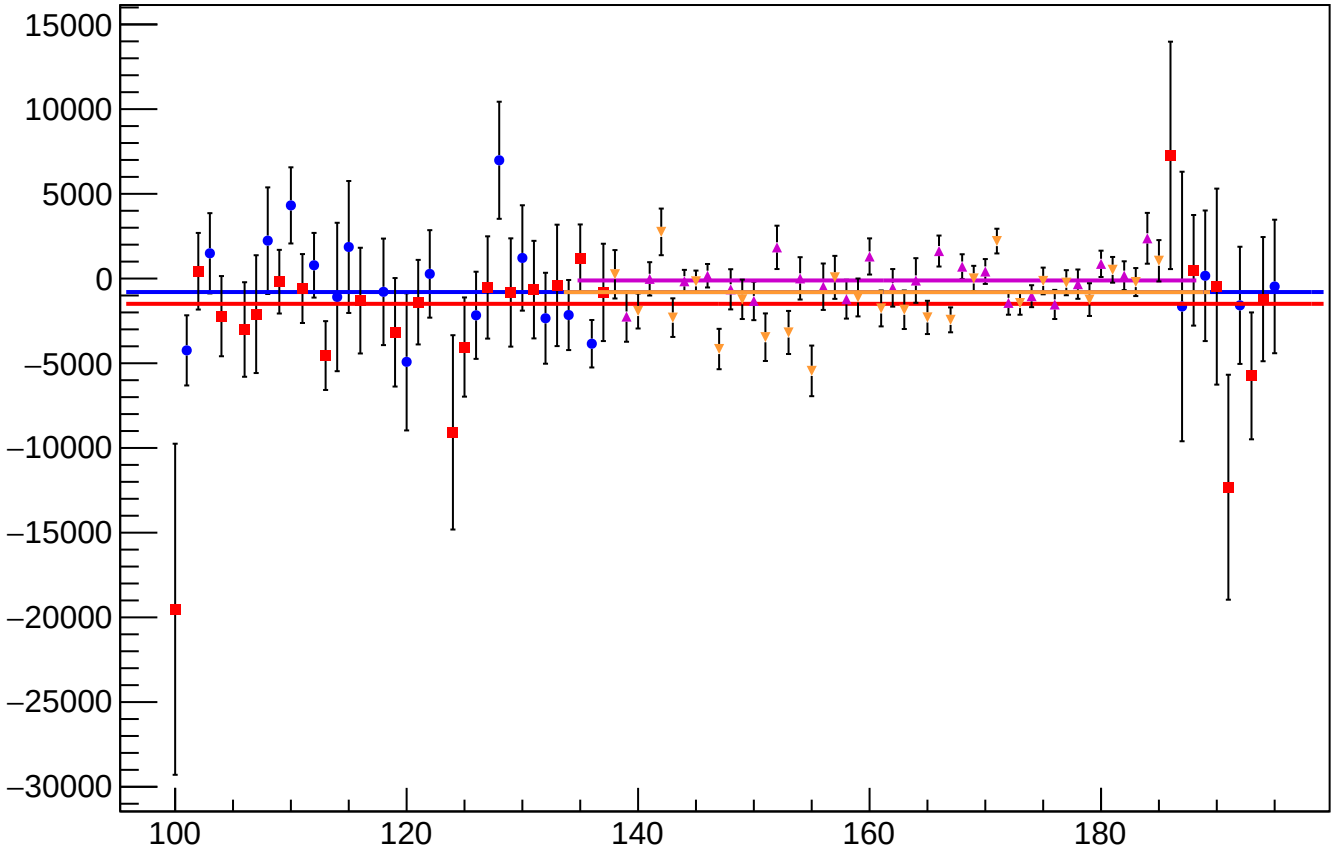
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.271+/-0.013 χ^2/NDF: 5637463.0/44

All: 95.246+/-0.009 χ^2/NDF: 12407773.4/92

- sign 96.276+/-0.014 χ^2/NDF: 6759011.5/47

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: -1492.811+/-580.939 χ^2/NDF: 18.5/24

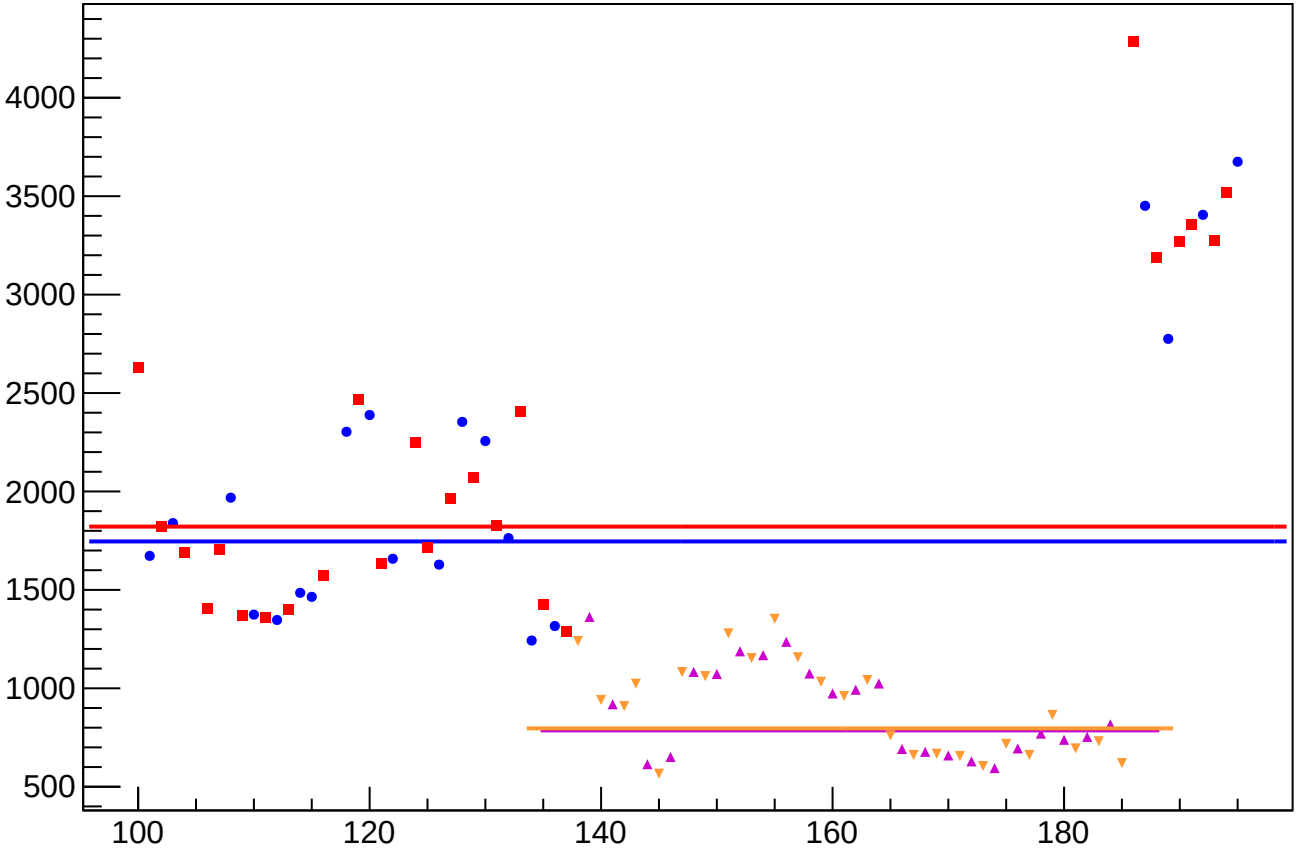
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.049+/-178.932 χ^2/NDF: 95.5/44

All: -526.537+/-127.186 χ^2/NDF: 150.9/92

- sign -246.208+/-180.818 χ^2/NDF: 50.7/47

asym_sam3_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: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

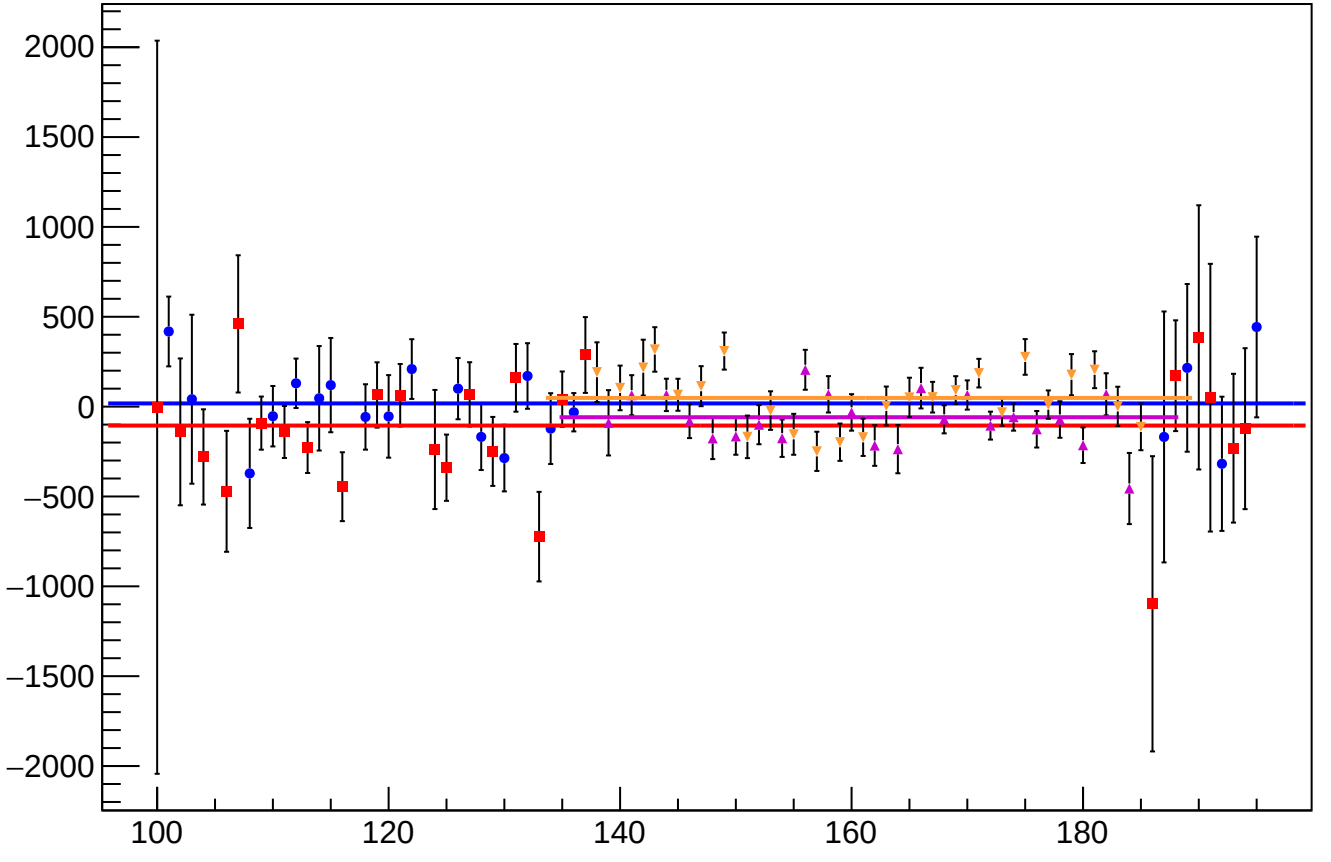
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 883.669+/-0.127 χ^2/NDF: 9004027.0/44

All: 885.130+/-0.090 χ^2/NDF: 19189827.3/92

- sign 886.621+/-0.128 χ^2/NDF: 10185531.2/47

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: -105.340+/-44.604 χ^2/NDF: 28.3/24

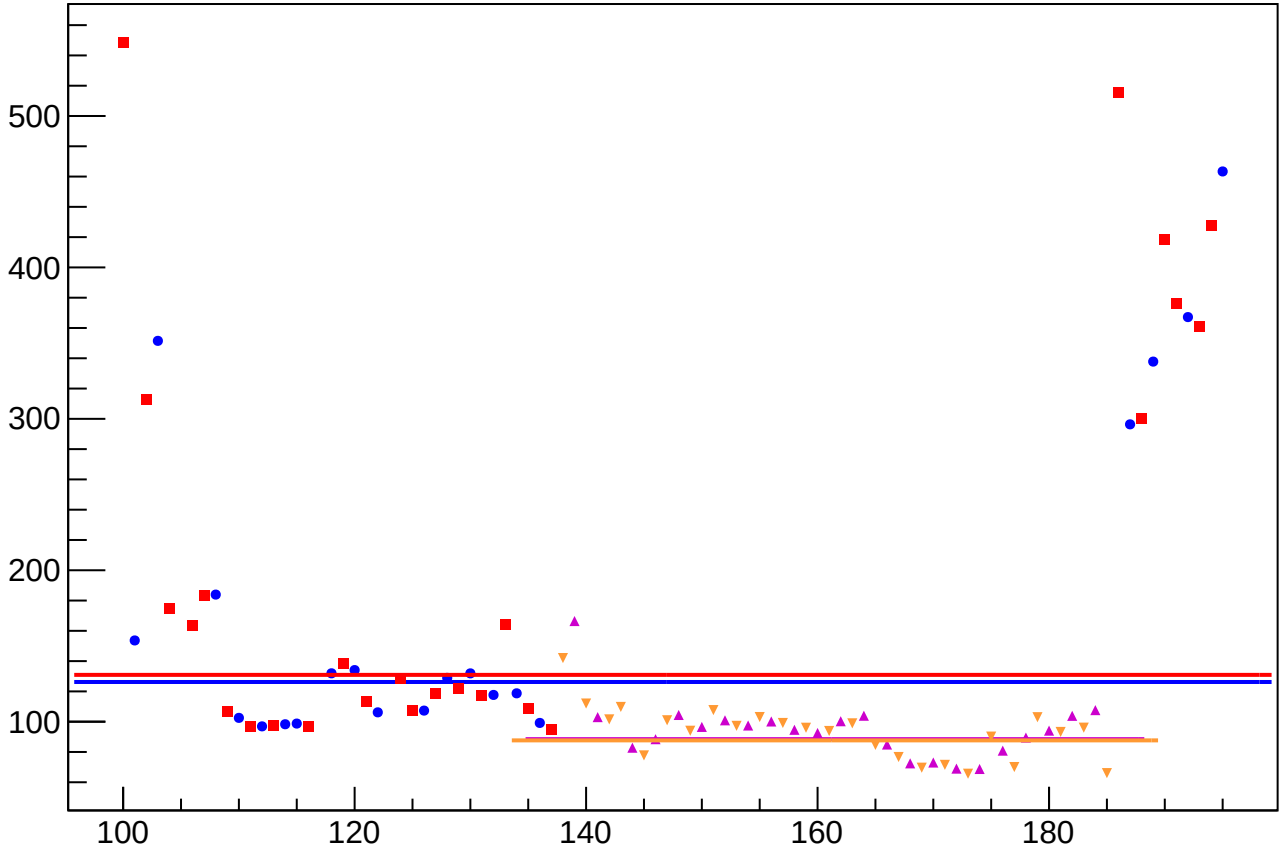
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.145+/-18.589 χ^2/NDF: 69.6/44

All: -10.645+/-13.326 χ^2/NDF: 146.6/92

- sign -67.524+/-19.115 χ^2/NDF: 59.7/47

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

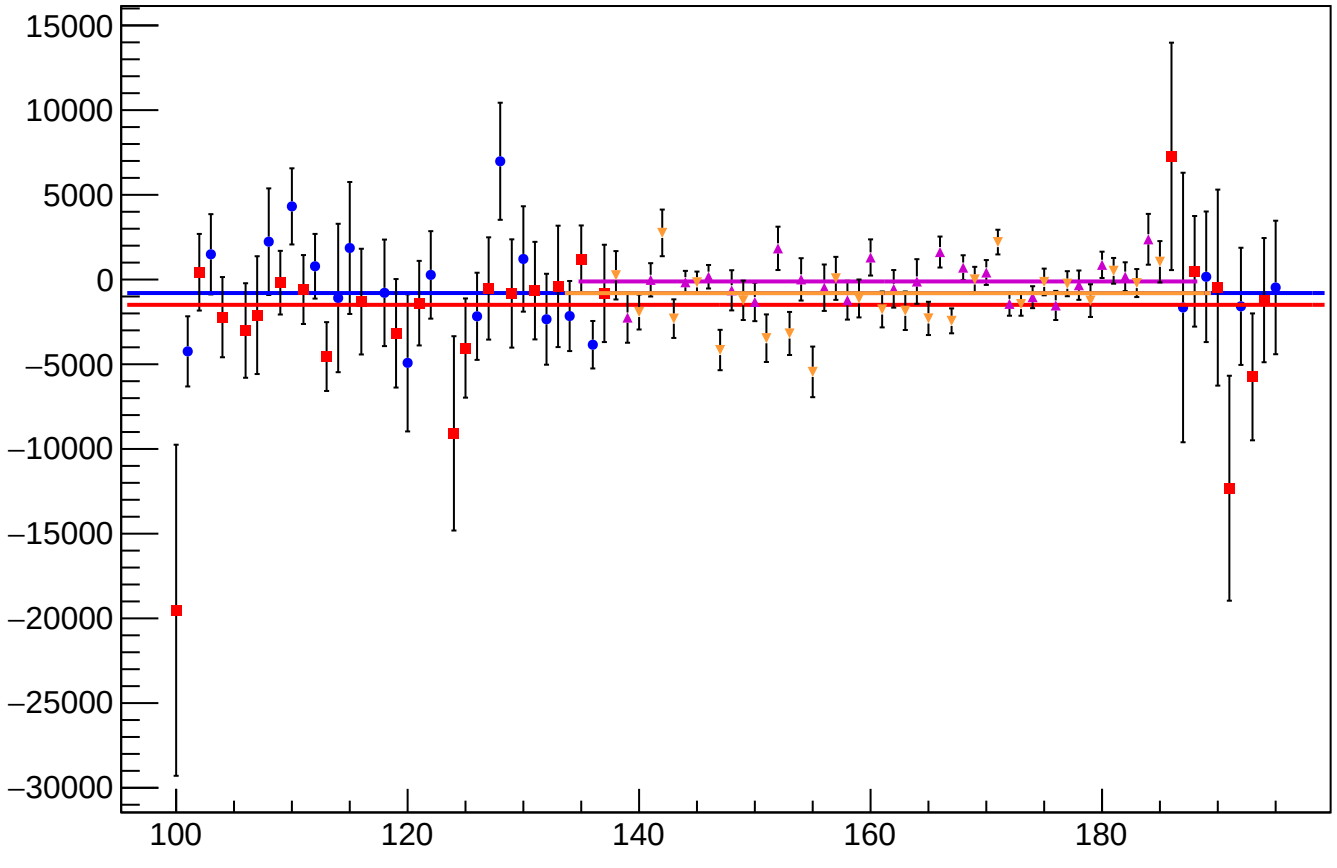
Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.271+/-0.013 χ^2/NDF: 5637463.0/44

All: 95.246+/-0.009 χ^2/NDF: 12407773.4/92

- sign 96.276+/-0.014 χ^2/NDF: 6759011.5/47



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: -1492.811+/-580.939 χ^2/NDF: 18.5/24

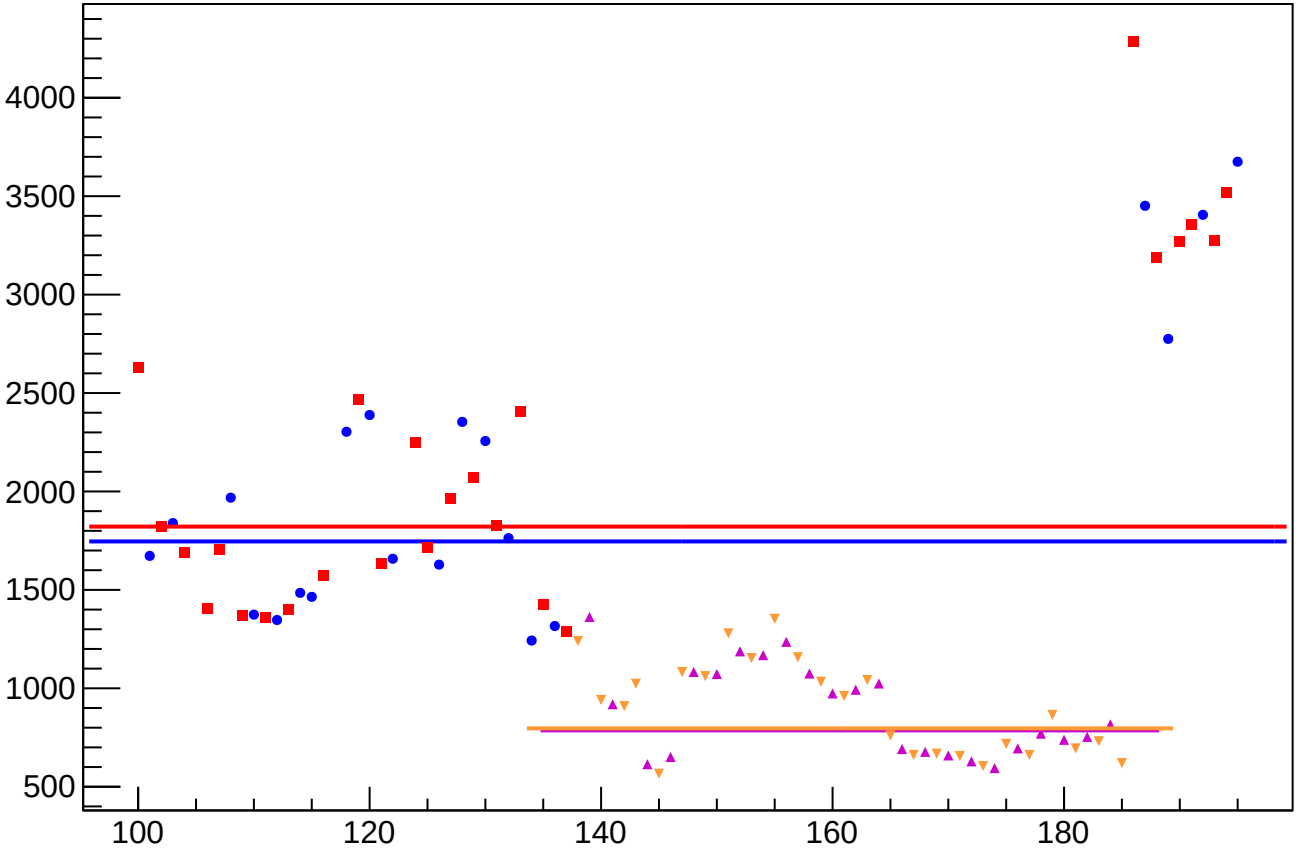
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.049+/-178.932 χ^2/NDF: 95.5/44

All: -526.537+/-127.186 χ^2/NDF: 150.9/92

- sign -246.208+/-180.818 χ^2/NDF: 50.7/47

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: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

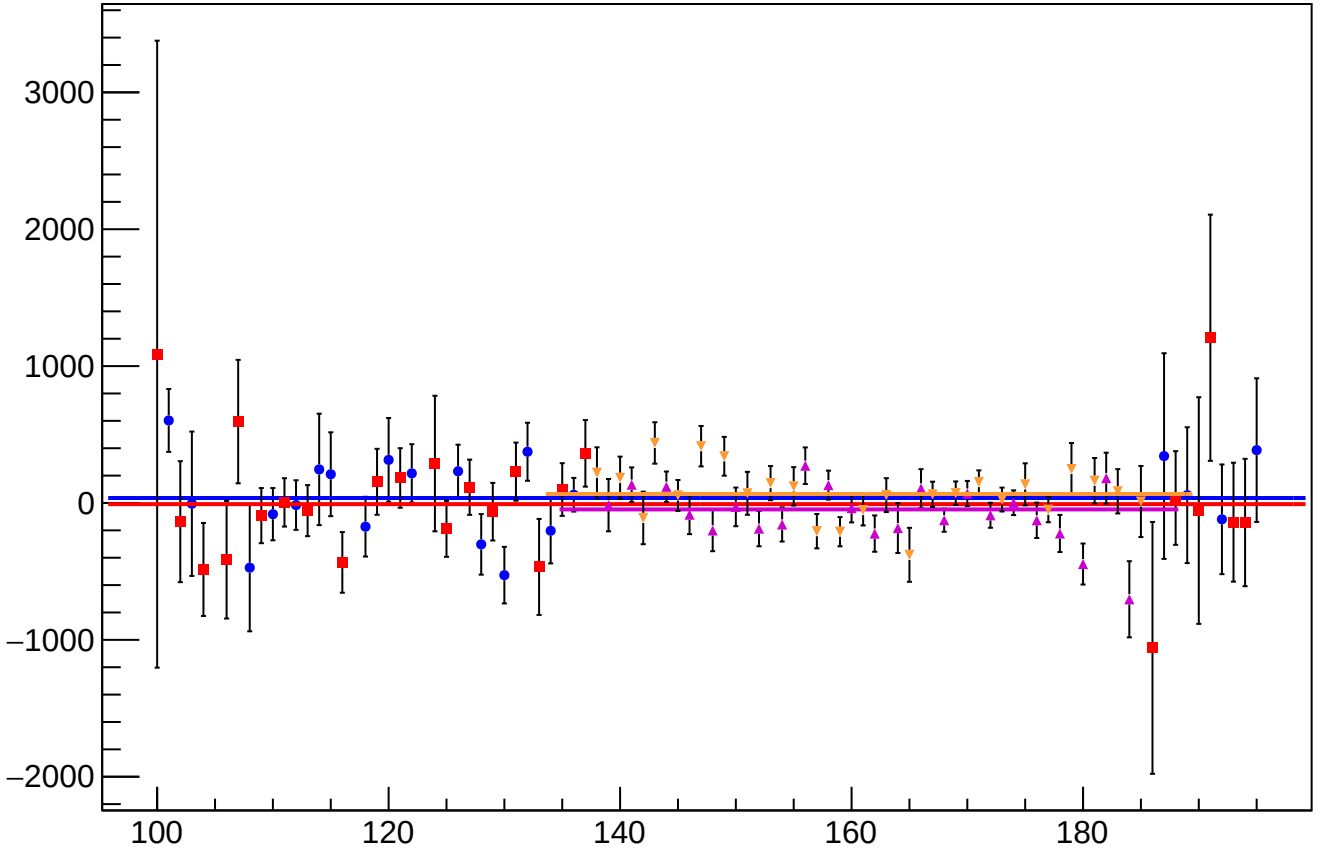
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 883.669+/-0.127 χ^2/NDF: 9004027.0/44

All: 885.130+/-0.090 χ^2/NDF: 19189827.3/92

- sign 886.621+/-0.128 χ^2/NDF: 10185531.2/47

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: -8.440+/-54.218 χ^2/NDF: 20.6/24

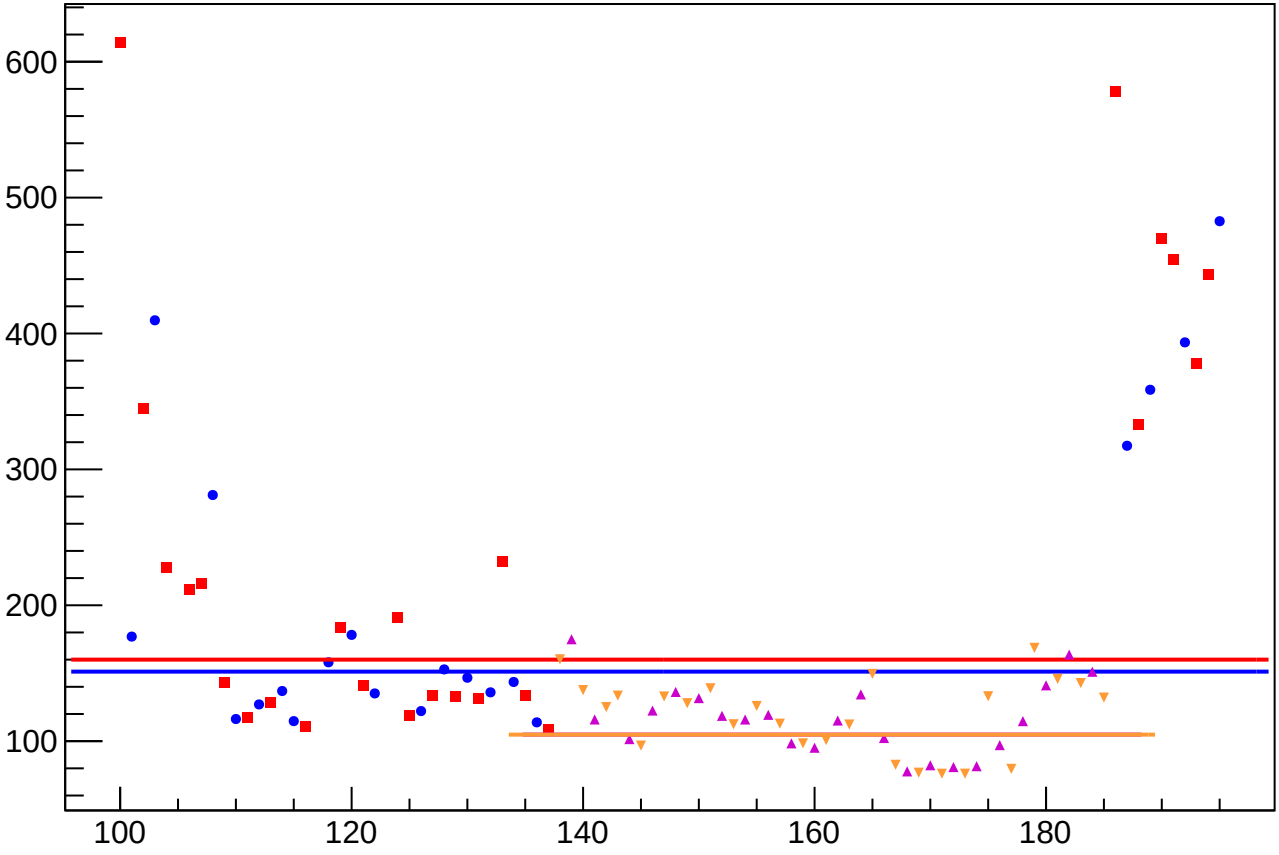
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.432+/-22.705 χ^2/NDF: 66.2/44

All: 11.363+/-16.234 χ^2/NDF: 135.5/92

- sign -39.959+/-23.220 χ^2/NDF: 59.7/47

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: 160.007+/-0.038 χ^2/NDF: 3956442.4/24

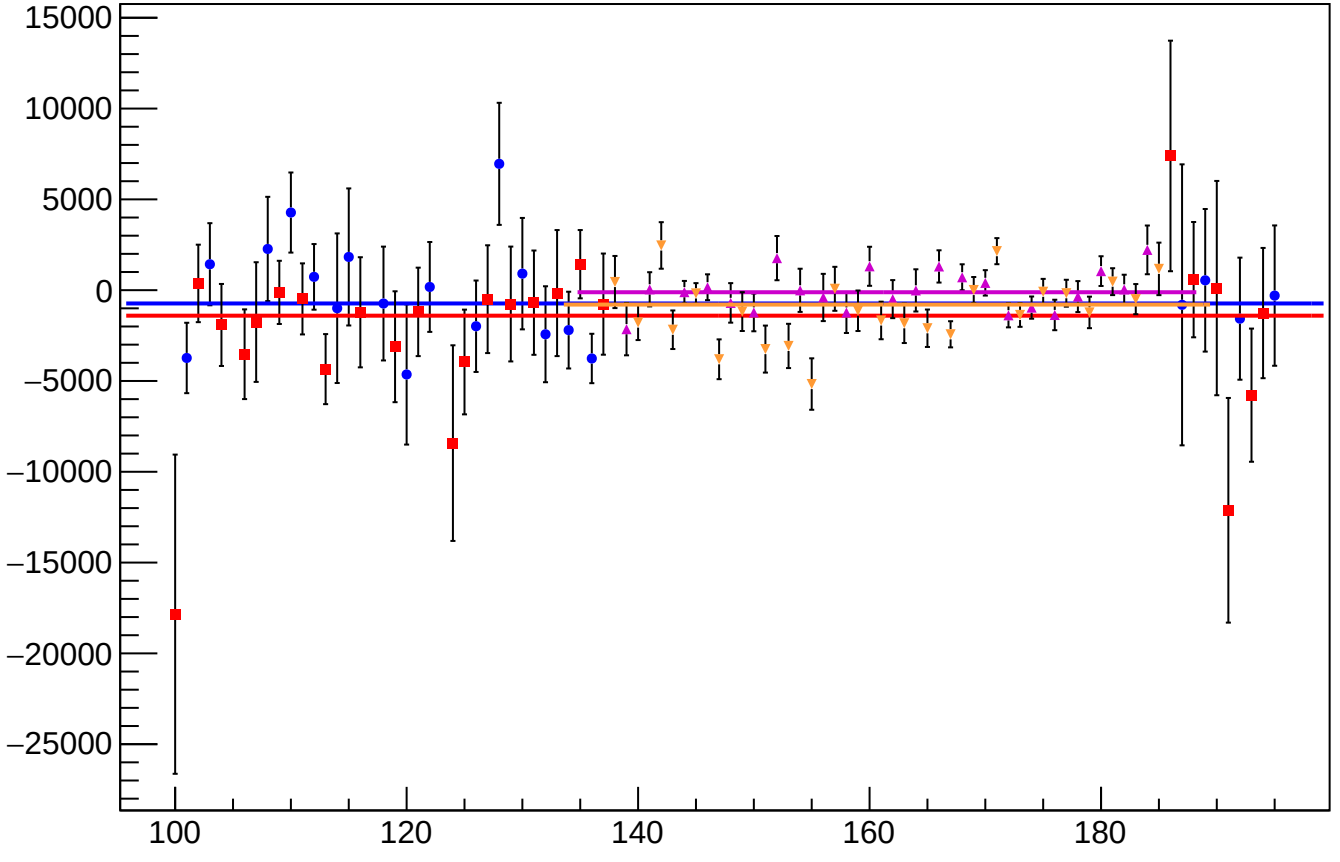
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 113.112+/-0.016 χ^2/NDF: 6511444.3/44

All: 114.013+/-0.011 χ^2/NDF: 13779974.9/92

- sign 114.954+/-0.016 χ^2/NDF: 7262097.0/47

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: -1404.458+/-555.128 χ^2/NDF: 20.3/24

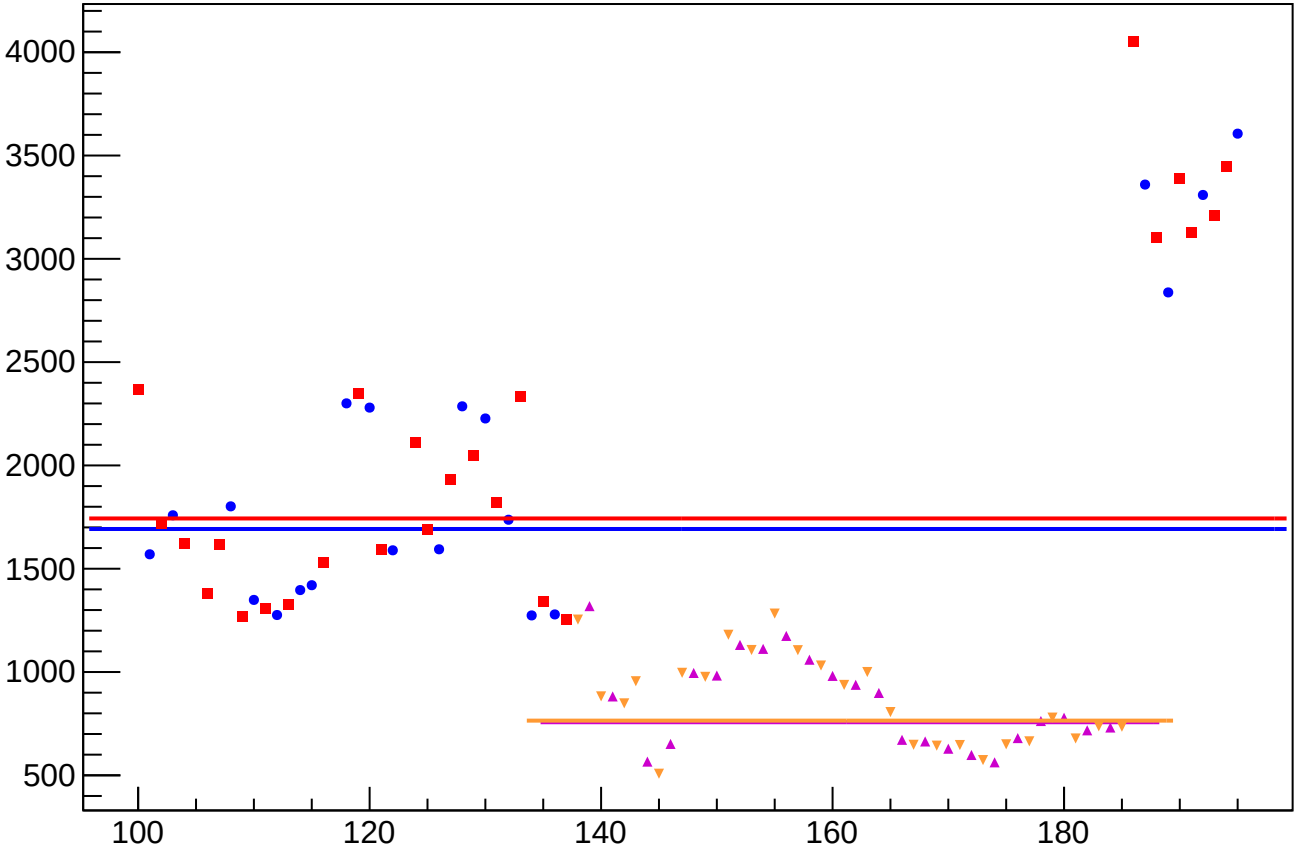
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -787.558+/-171.615 χ^2/NDF: 93.7/44

All: -517.588+/-122.153 χ^2/NDF: 150.2/92

- sign -240.358+/-173.908 χ^2/NDF: 51.5/47

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: 1743.275+/-0.393 χ^2/NDF: 2405470.1/24

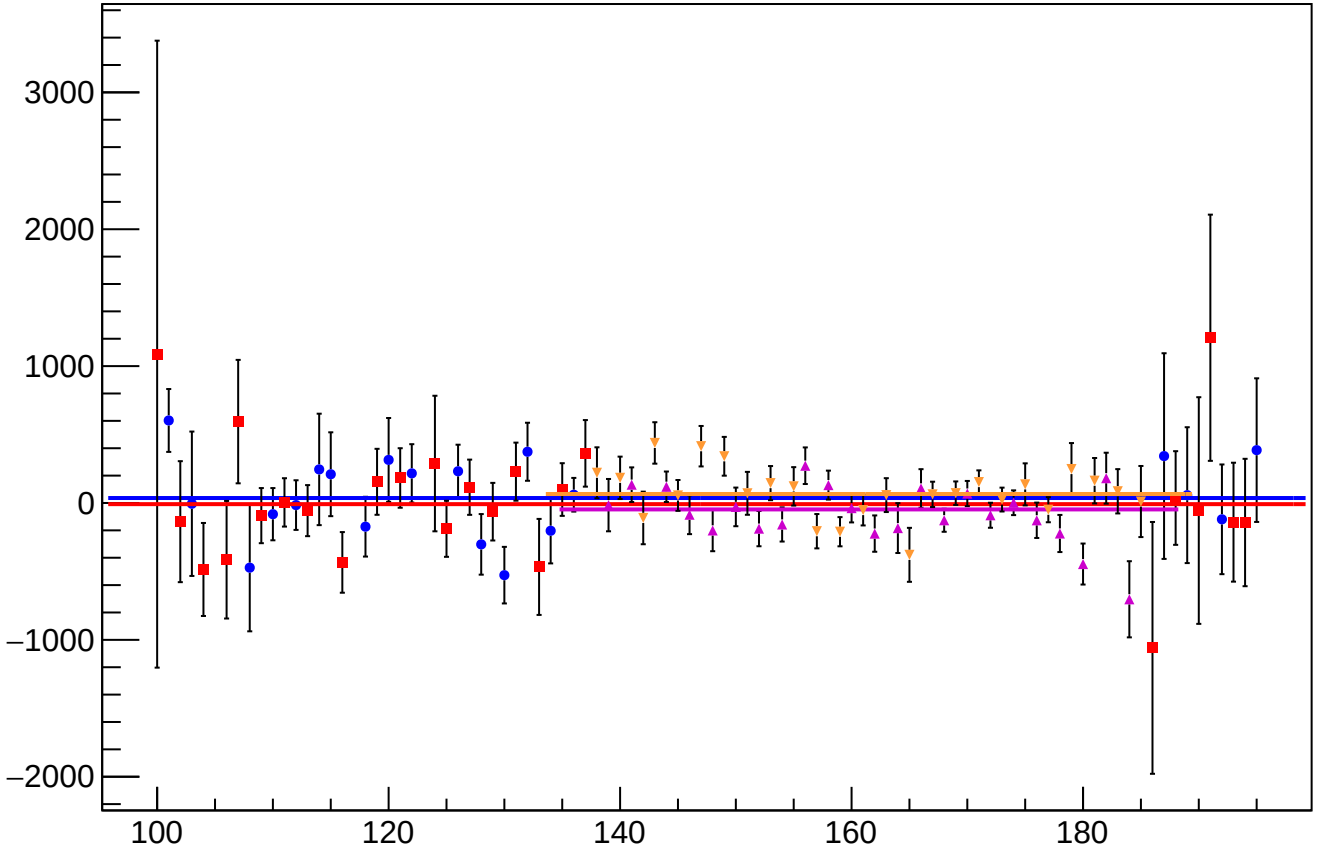
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 848.168+/-0.121 χ^2/NDF: 9127948.3/44

All: 850.911+/-0.086 χ^2/NDF: 19344070.3/92

- sign 853.728+/-0.123 χ^2/NDF: 10215086.3/47

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: -8.436+/-54.218 χ^2/NDF: 20.6/24

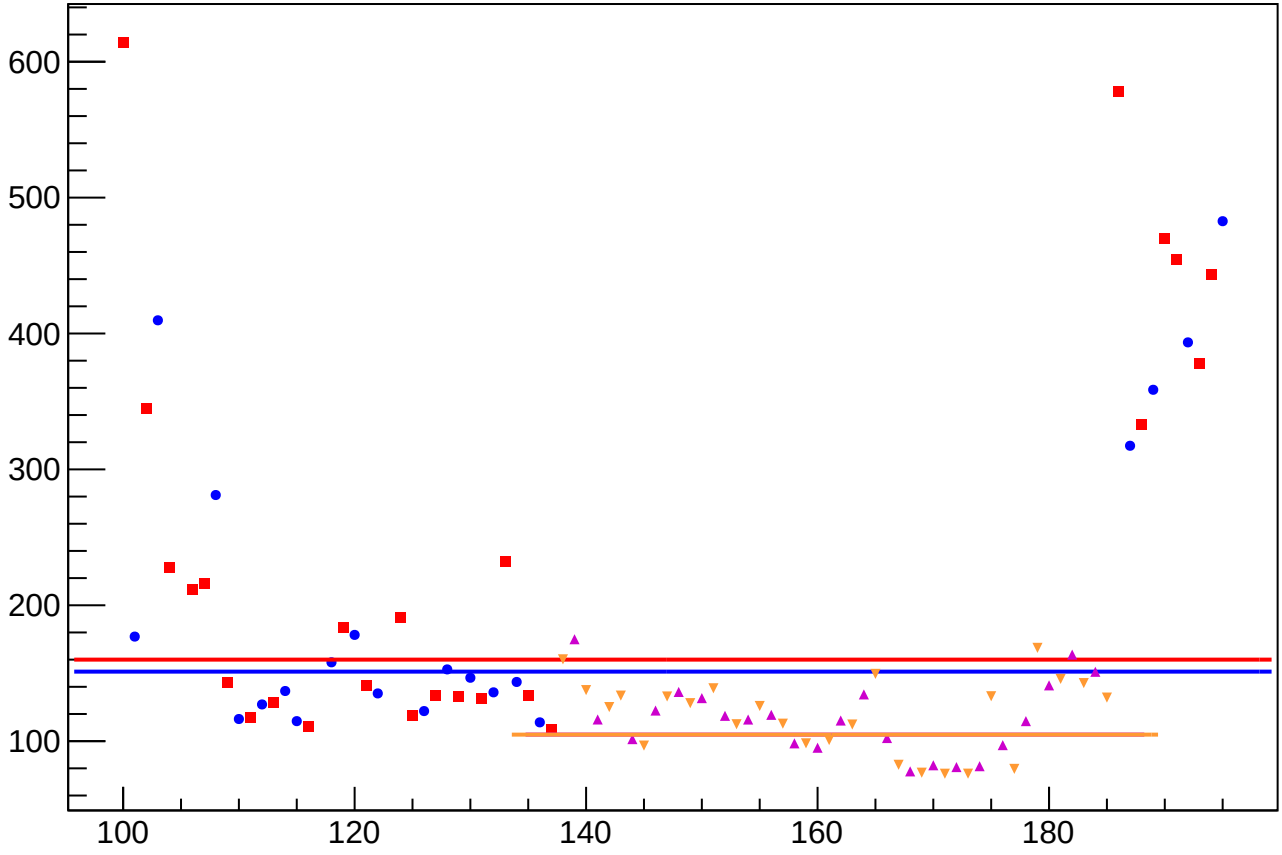
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.433+/-22.705 χ^2/NDF: 66.2/44

All: 11.364+/-16.234 χ^2/NDF: 135.5/92

- sign -39.957+/-23.220 χ^2/NDF: 59.7/47

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

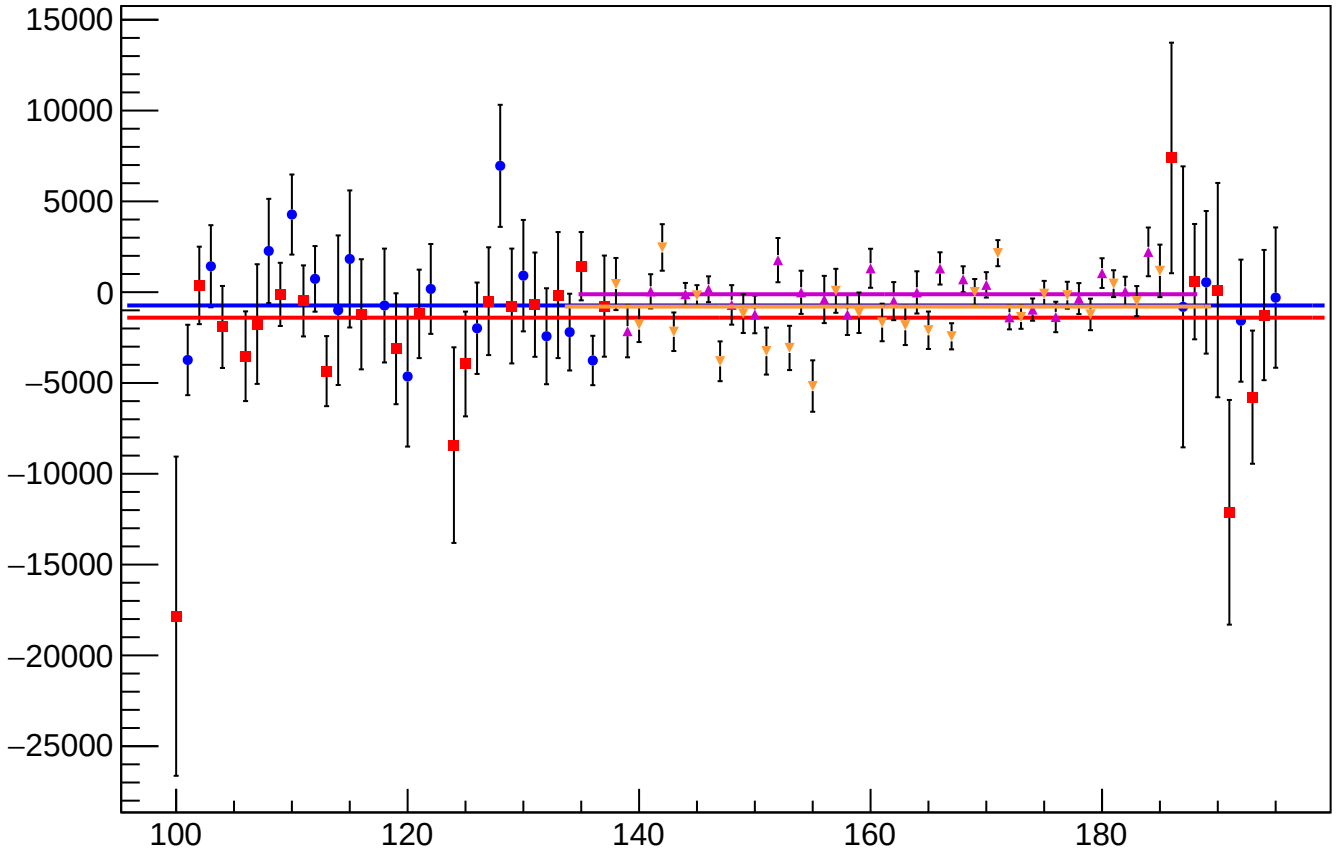
Right Out: 160.008+/-0.038 χ^2/NDF: 3956445.6/24

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 113.113+/-0.016 χ^2/NDF: 6511460.2/44

All: 114.013+/-0.011 χ^2/NDF: 13780005.4/92

- sign 114.955+/-0.016 χ^2/NDF: 7262111.6/47



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: -1404.457+/-555.127 χ^2/NDF: 20.3/24

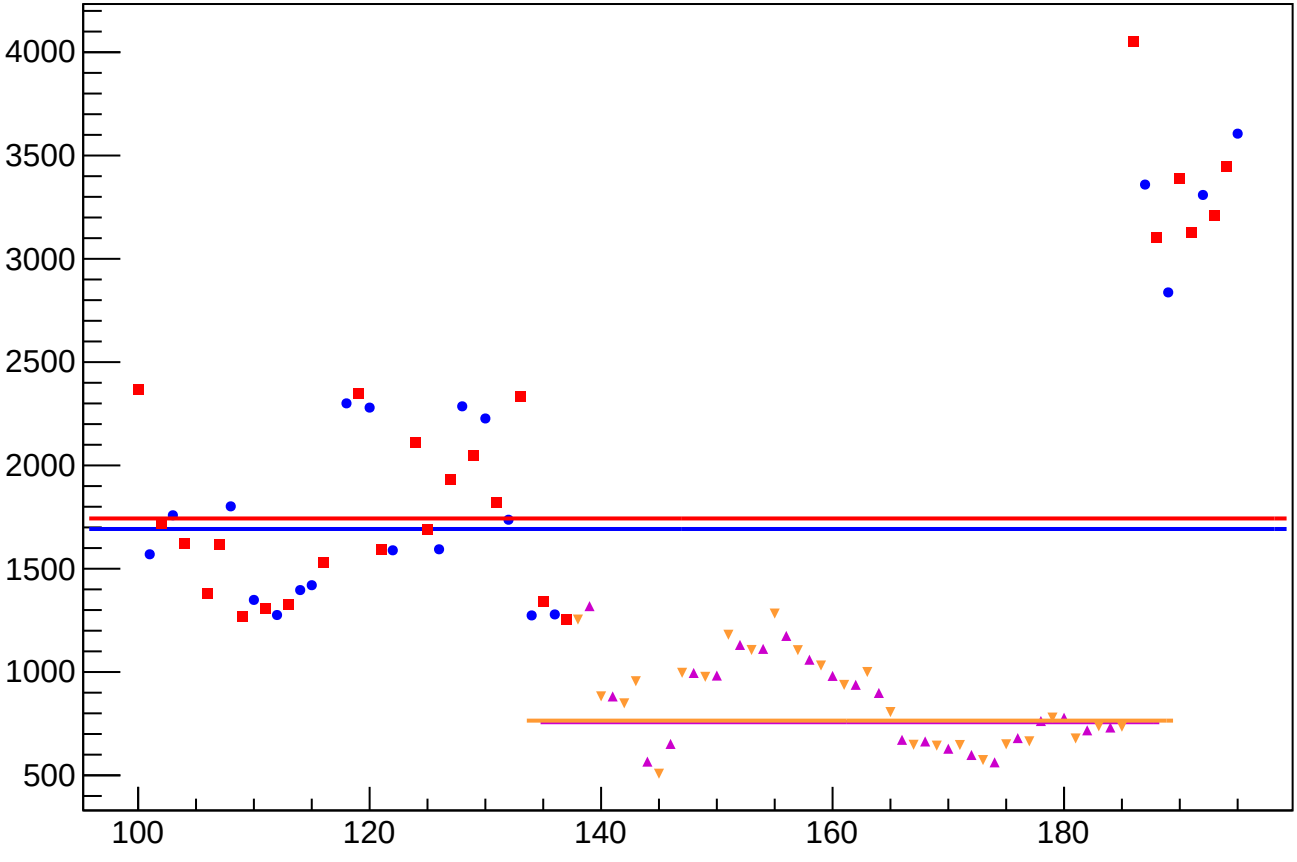
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -787.558+/-171.615 χ^2/NDF: 93.7/44

All: -517.588+/-122.153 χ^2/NDF: 150.2/92

- sign -240.358+/-173.907 χ^2/NDF: 51.5/47

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: 1743.272+/-0.393 χ^2/NDF: 2405467.5/24

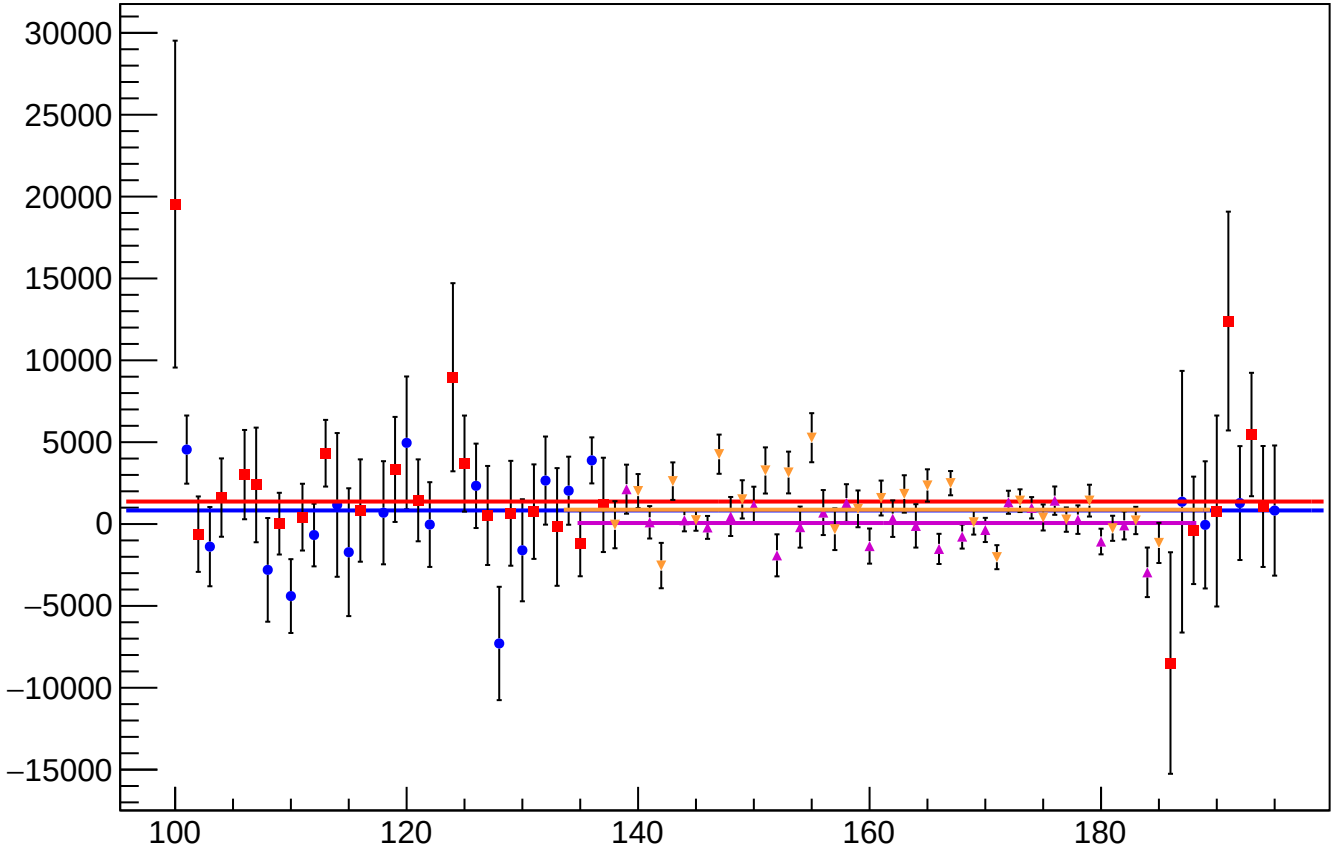
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 848.167+/-0.121 χ^2/NDF: 9127938.3/44

All: 850.910+/-0.086 χ^2/NDF: 19344048.0/92

- sign 853.727+/-0.123 χ^2/NDF: 10215074.0/47

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: 1374.045+/-583.023 χ^2/NDF: 18.5/24

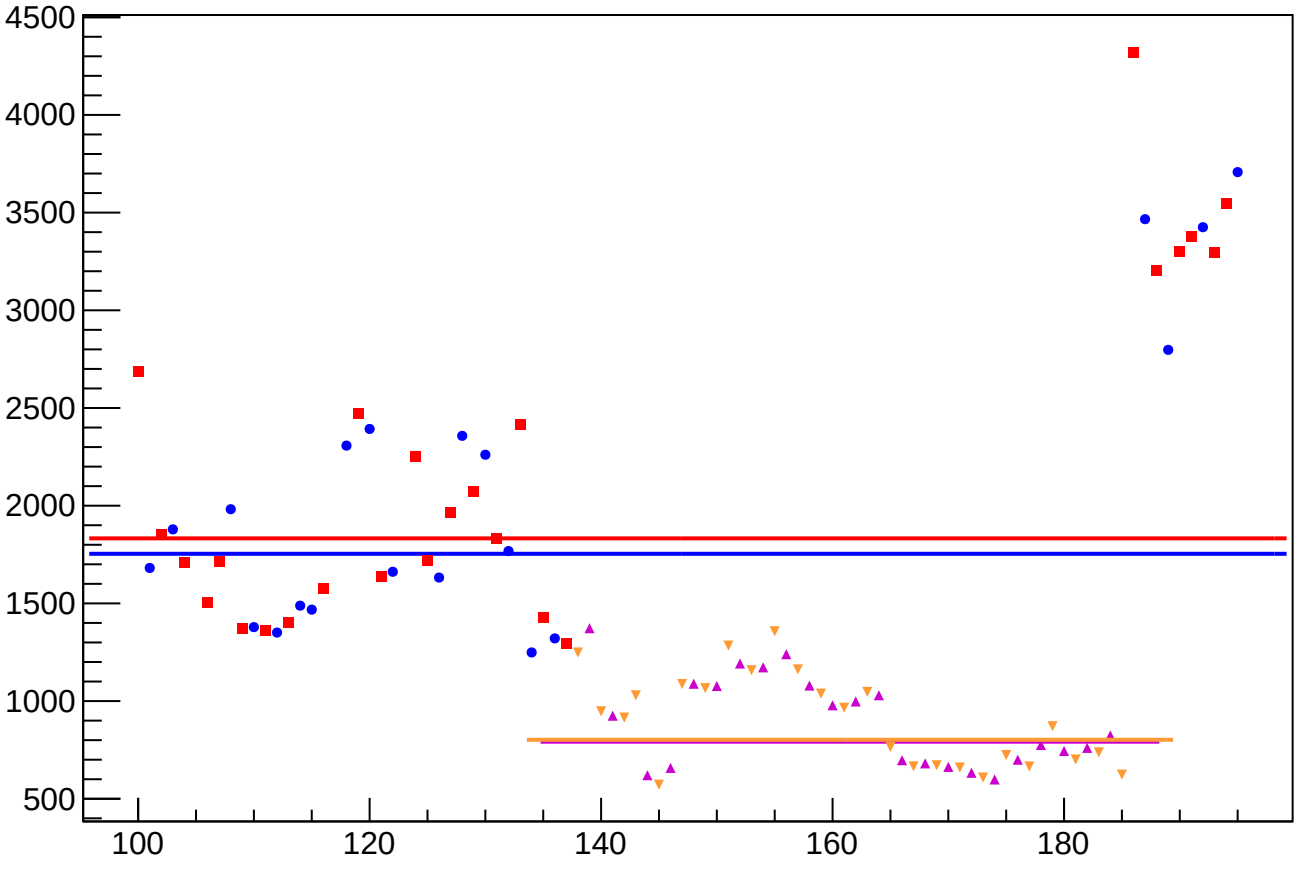
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.241+/-180.086 χ^2/NDF: 92.2/44

All: 535.043+/-128.018 χ^2/NDF: 149.5/92

- sign 190.564+/-182.020 χ^2/NDF: 50.1/47

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: 1832.742+/-0.412 χ^2/NDF: 2291014.6/24

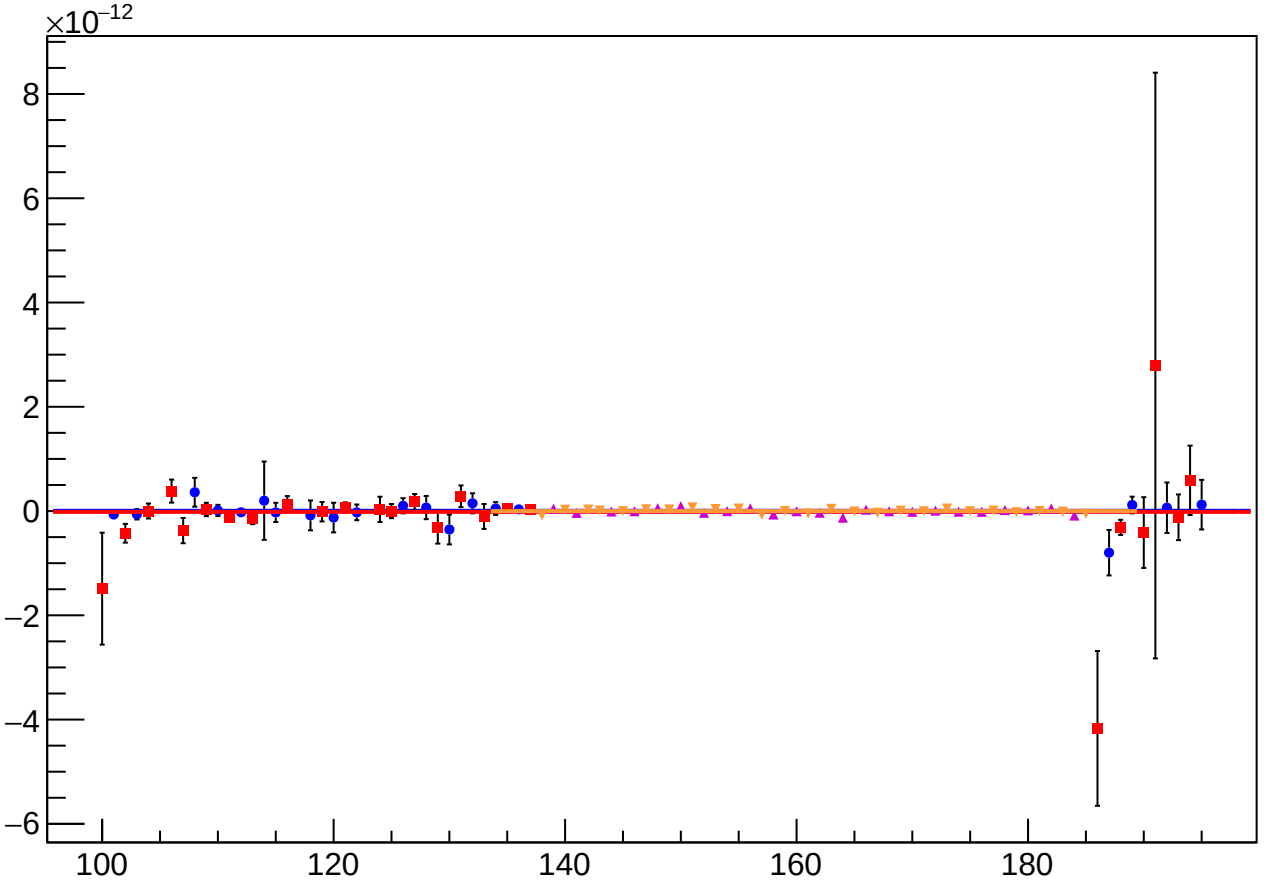
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

\+ sign 889.664+/-0.127 χ^2/NDF: 8968370.9/44

All: 891.559+/-0.091 χ^2/NDF: 19146592.1/92

\- sign 893.494+/-0.129 χ^2/NDF: 10177773.7/47

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

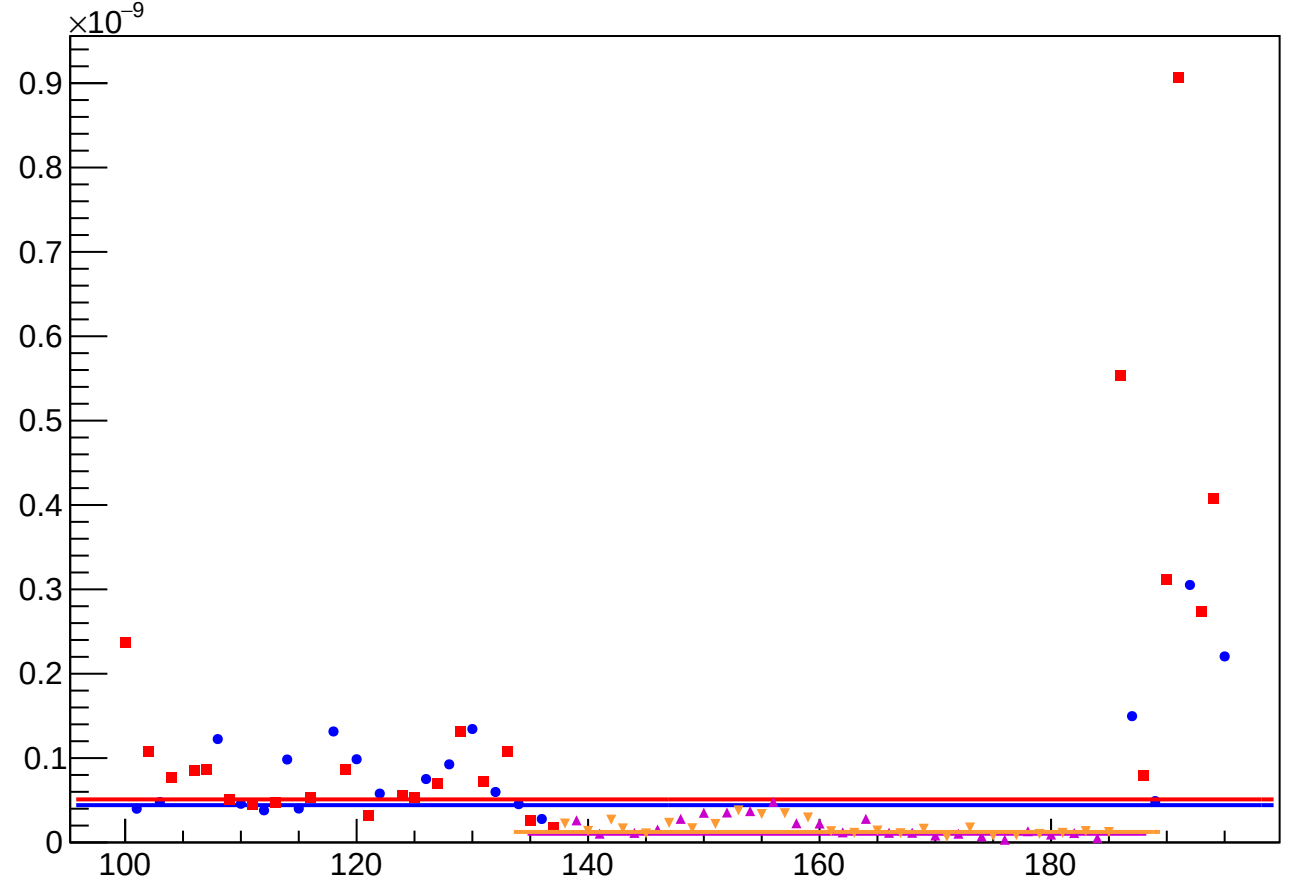
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/24

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: 104.2/92

- sign -0.000+/-0.000 χ^2/NDF: 68.8/47



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: 3183147.7/24

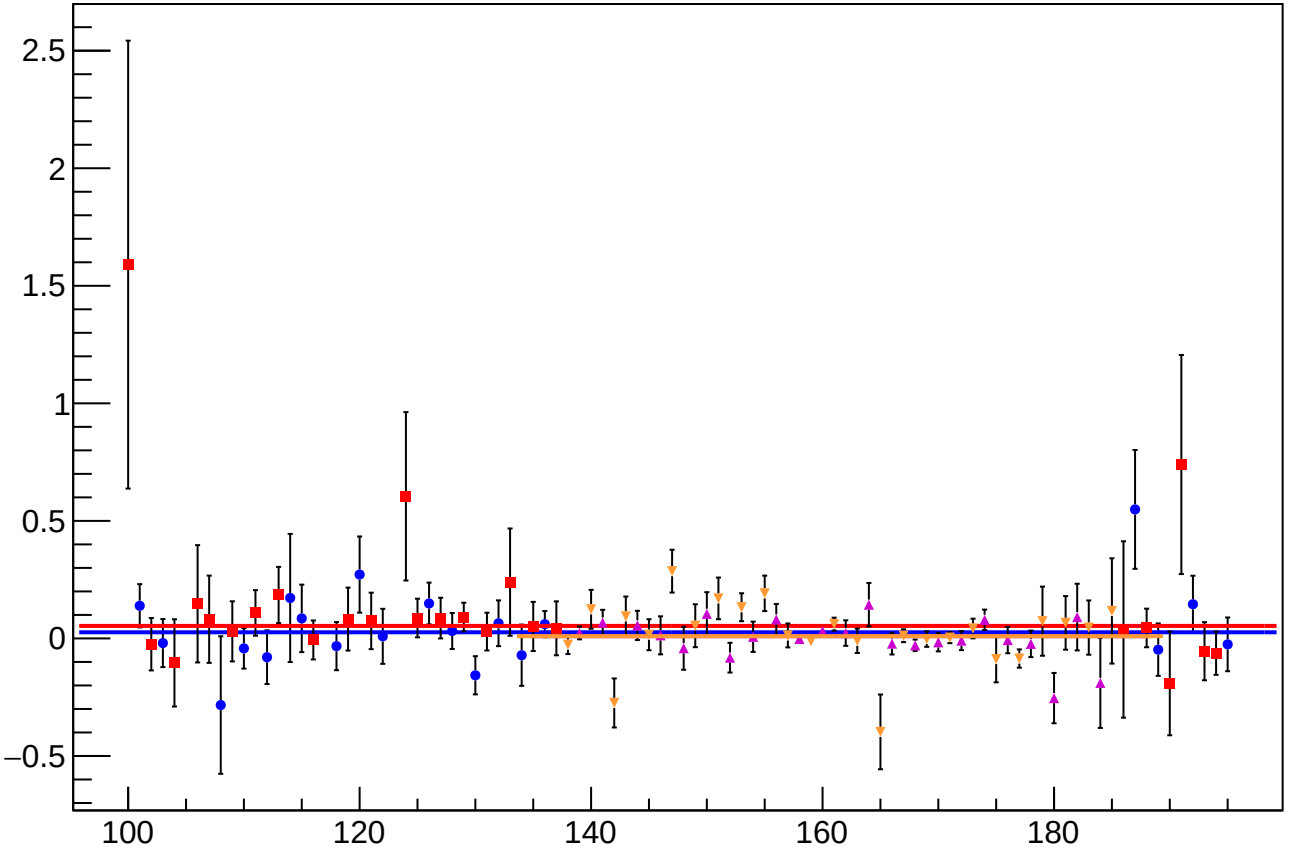
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7055727.5/44

All: 0.000+/-0.000 χ^2/NDF: 17817289.5/92

- sign 0.000+/-0.000 χ^2/NDF: 10561797.4/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

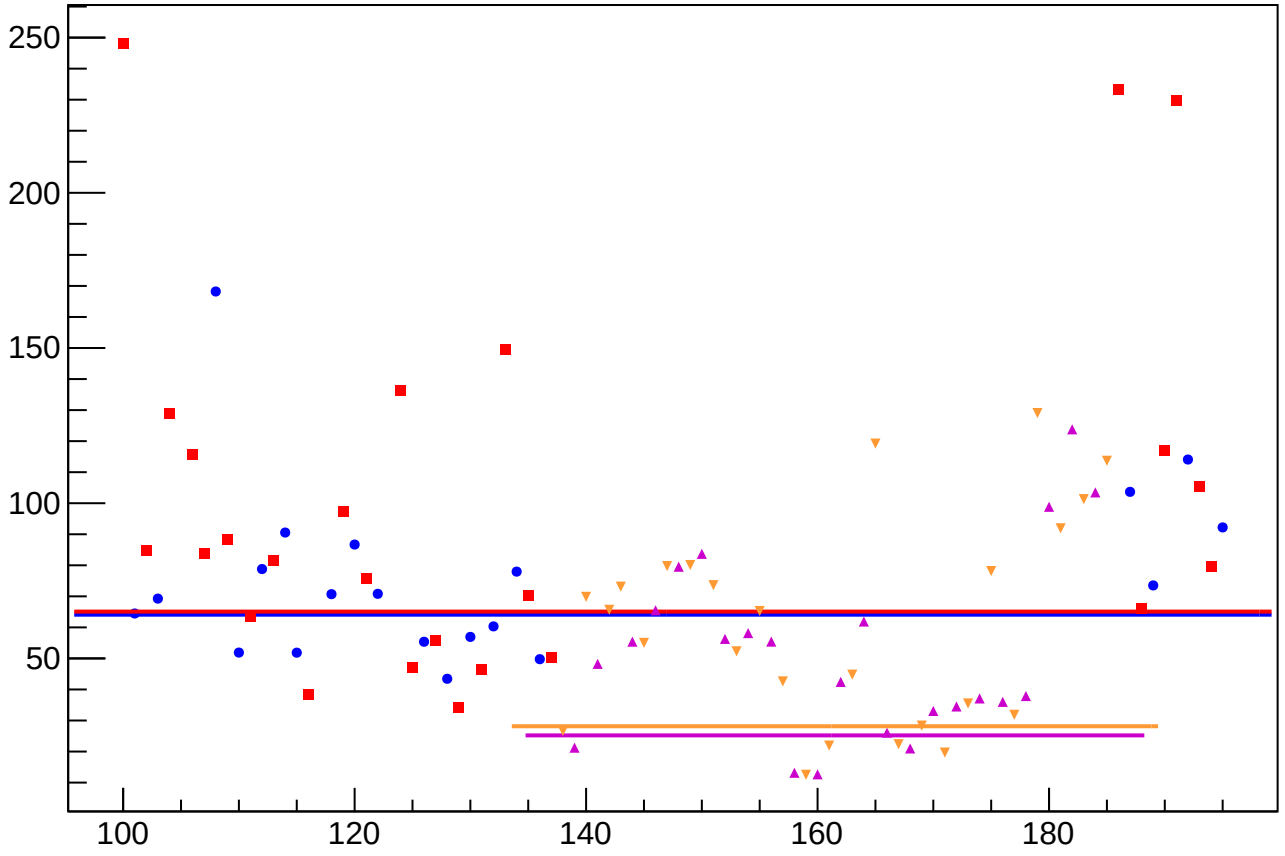
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 120.8/92

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

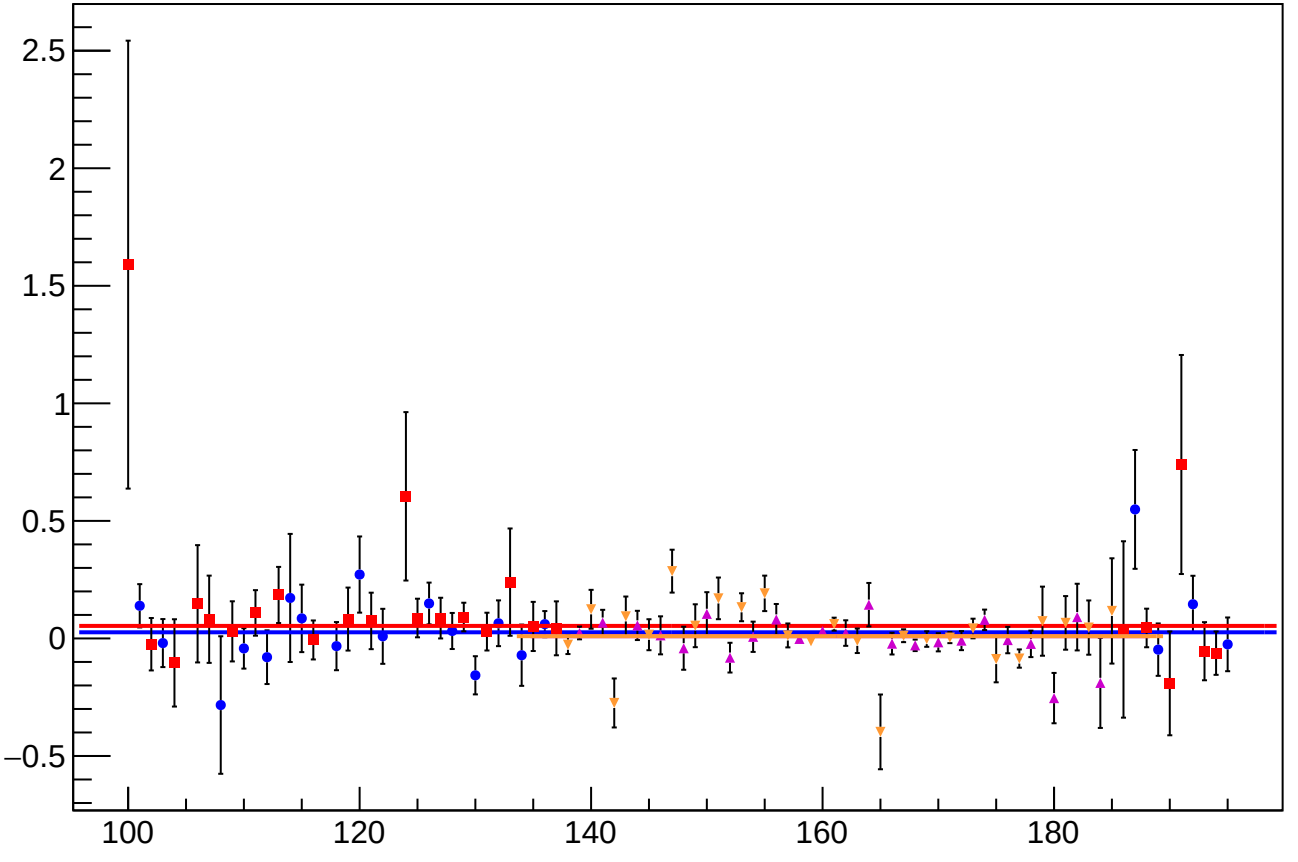
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.419+/-0.006 χ^2/NDF: 16643027.6/44

All: 30.881+/-0.004 χ^2/NDF: 35297570.7/92

- sign 29.514+/-0.005 χ^2/NDF: 18512807.5/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

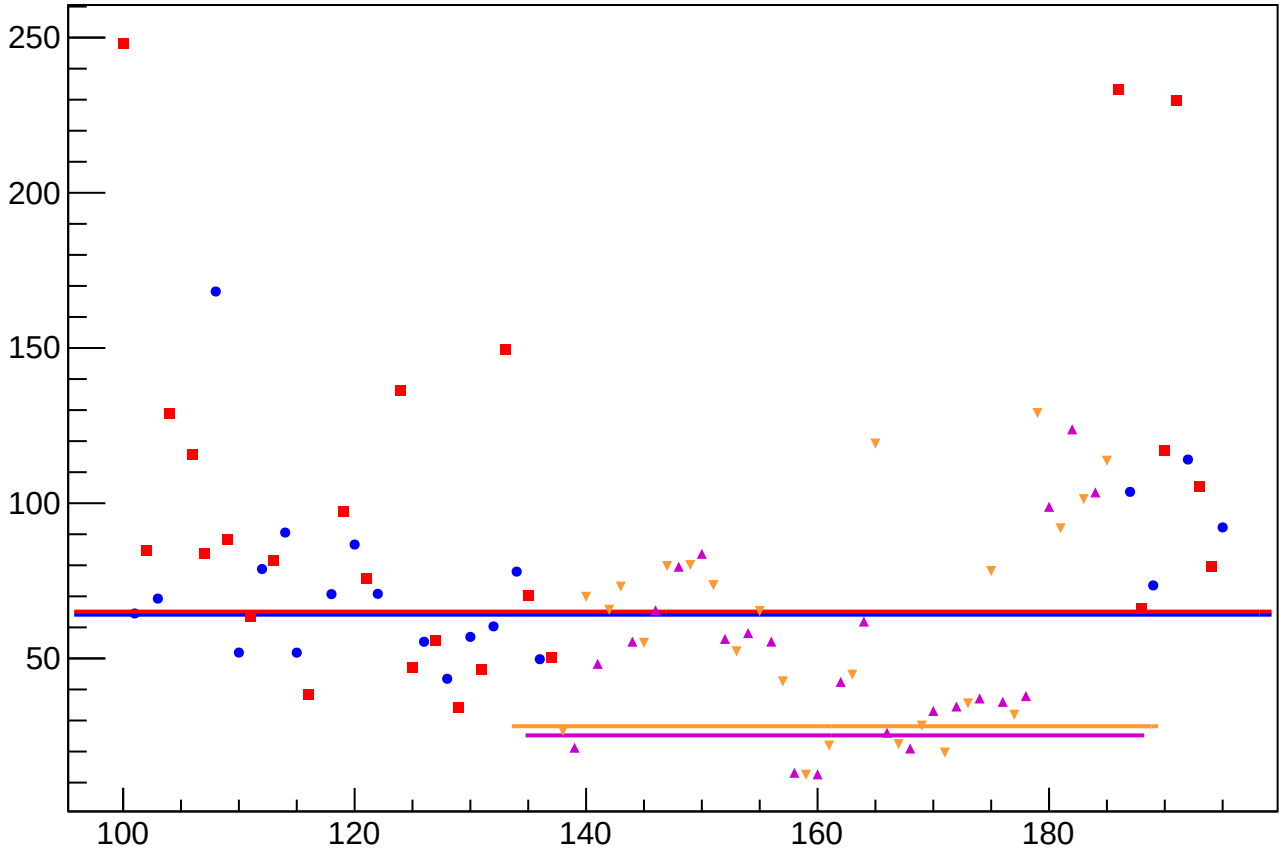
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 120.8/92

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

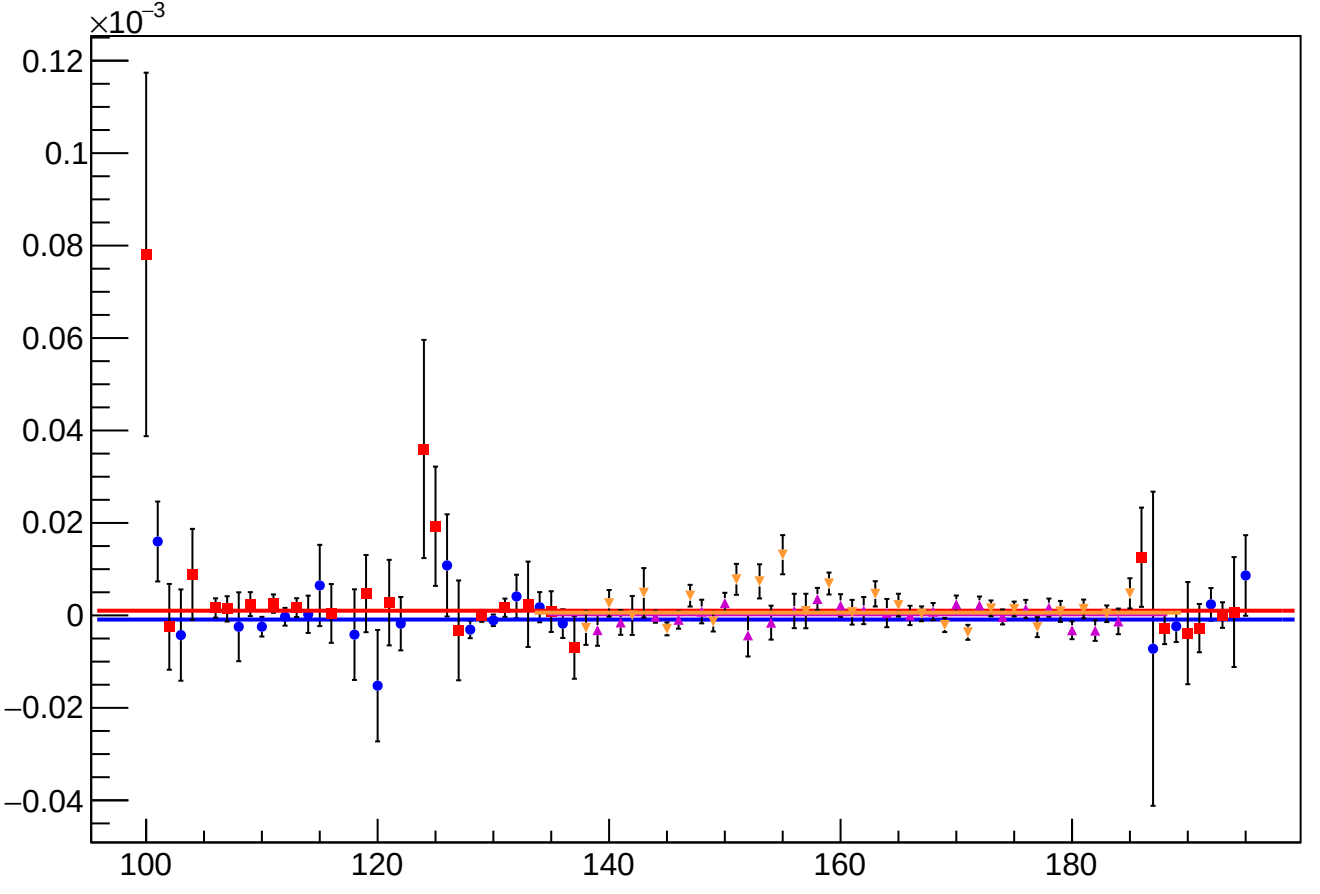
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.419+/-0.006 χ^2/NDF: 16643027.6/44

All: 30.881+/-0.004 χ^2/NDF: 35297570.7/92

- sign 29.514+/-0.005 χ^2/NDF: 18512807.5/47

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: 16.0/24

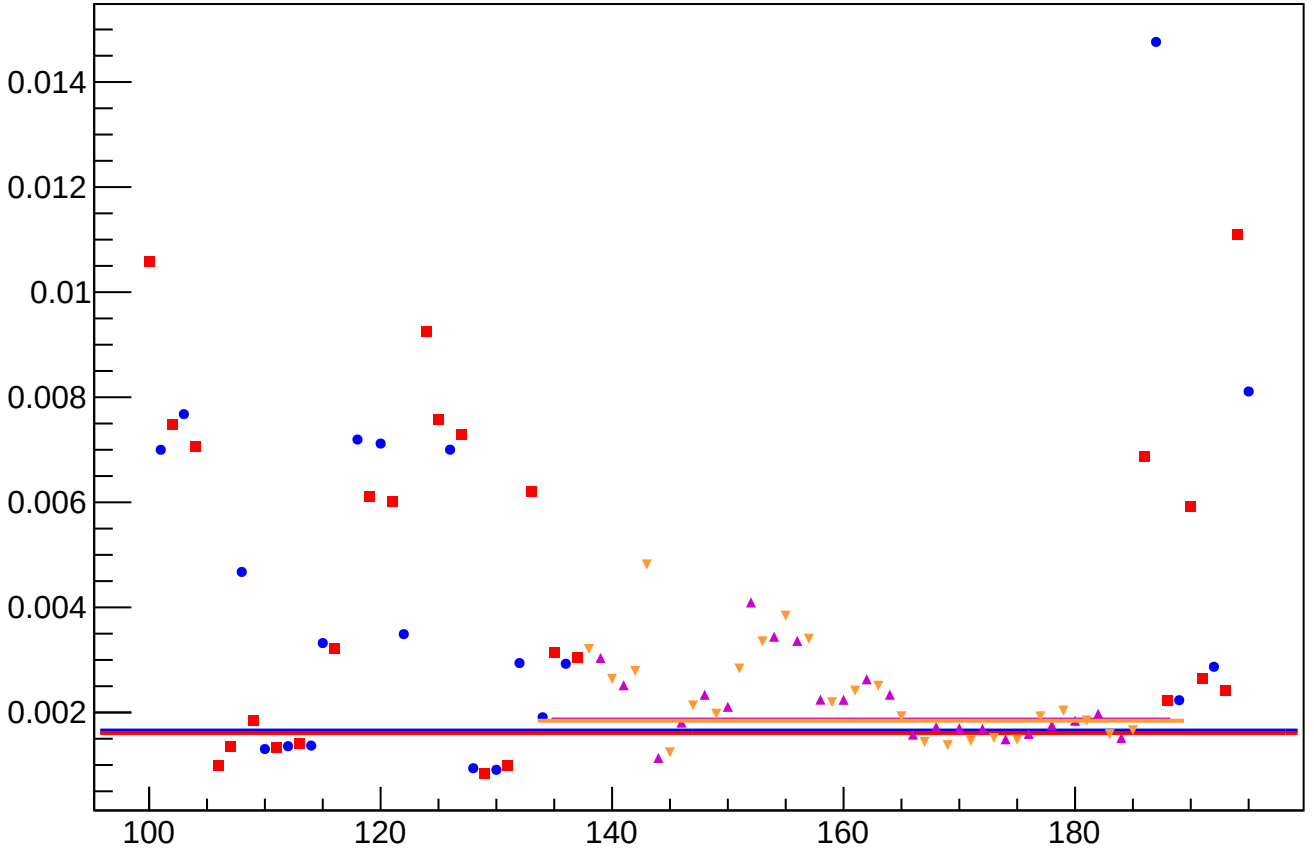
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/44

All: 0.000+/-0.000 χ^2/NDF: 102.9/92

- sign 0.000+/-0.000 χ^2/NDF: 33.4/47

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: 8285494.0/24

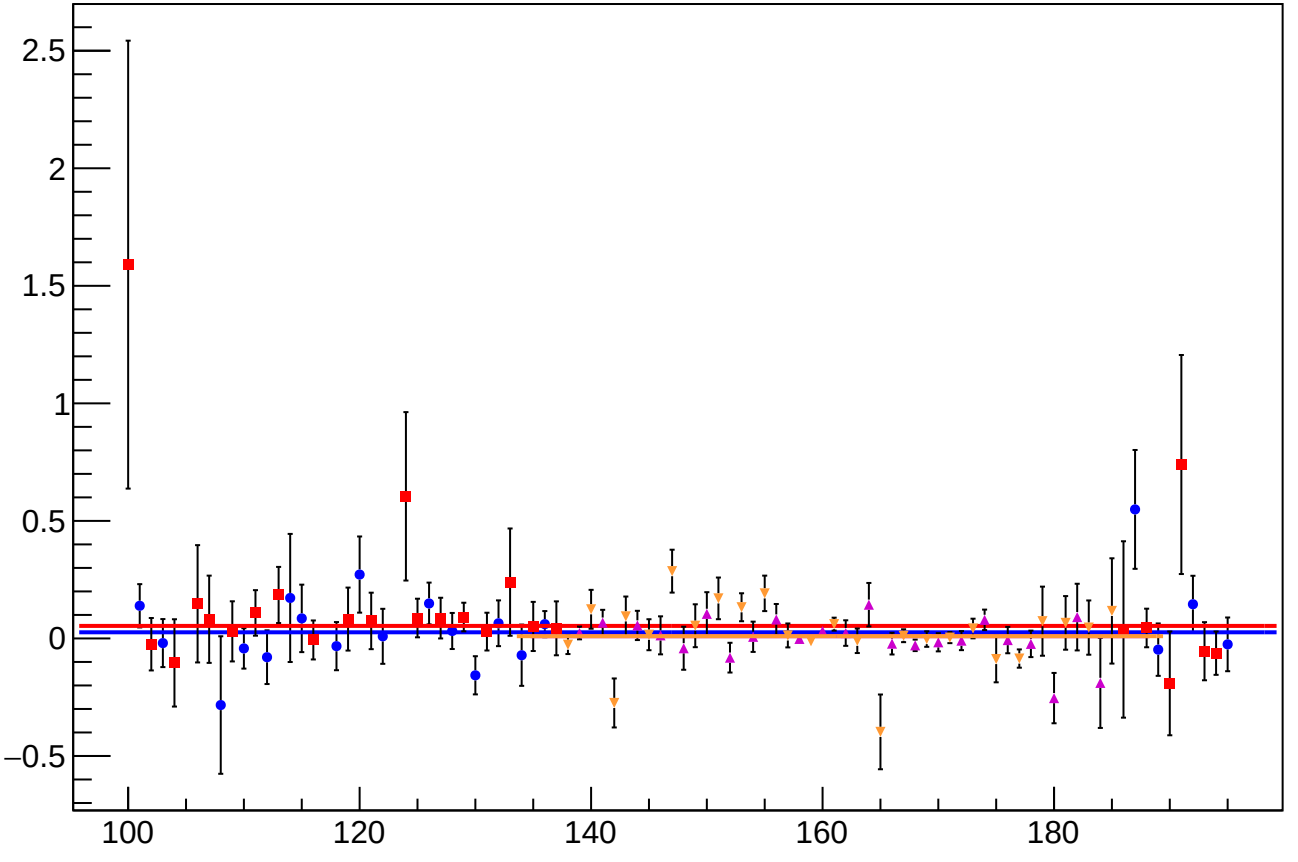
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 10819583.3/44

All: 0.002+/-0.000 χ^2/NDF: 22102183.2/92

- sign 0.002+/-0.000 χ^2/NDF: 11282078.5/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

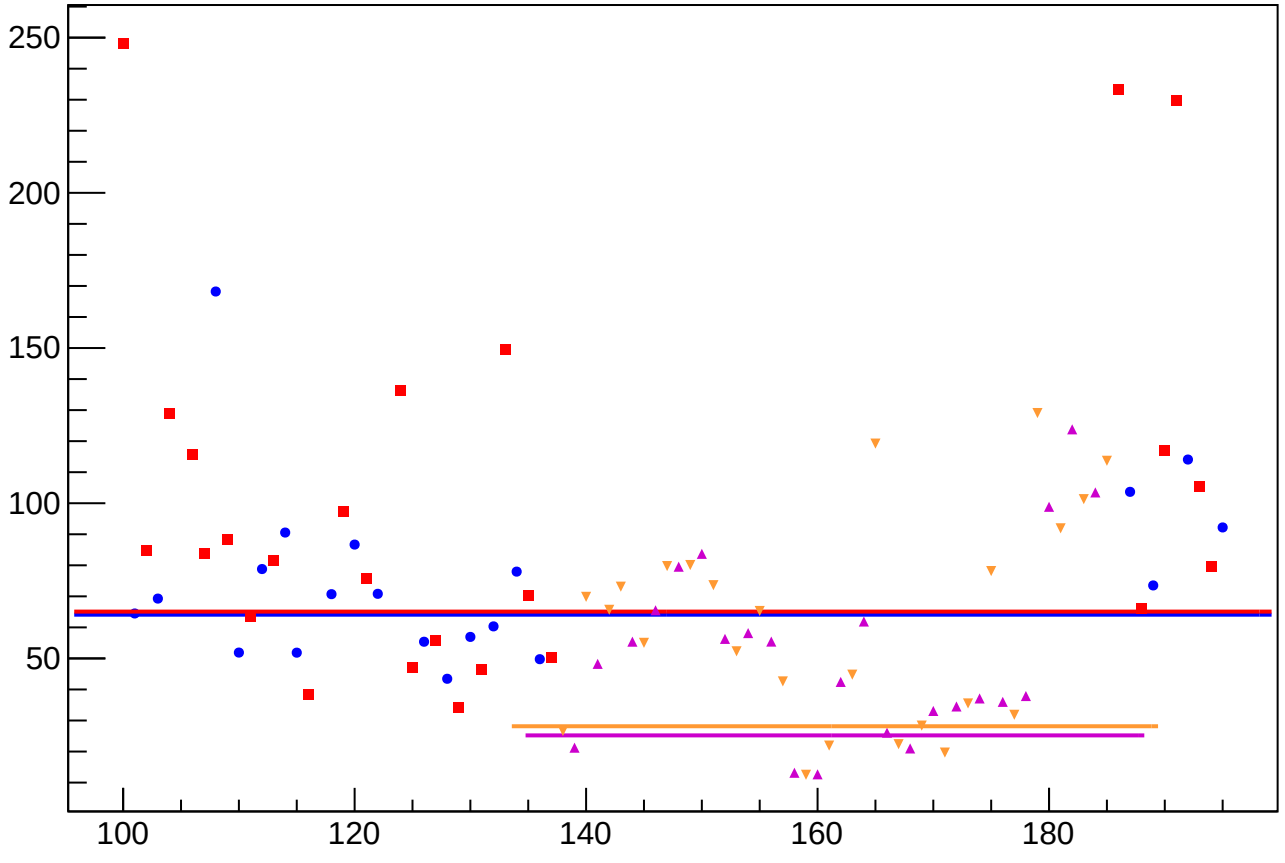
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 120.8/92

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

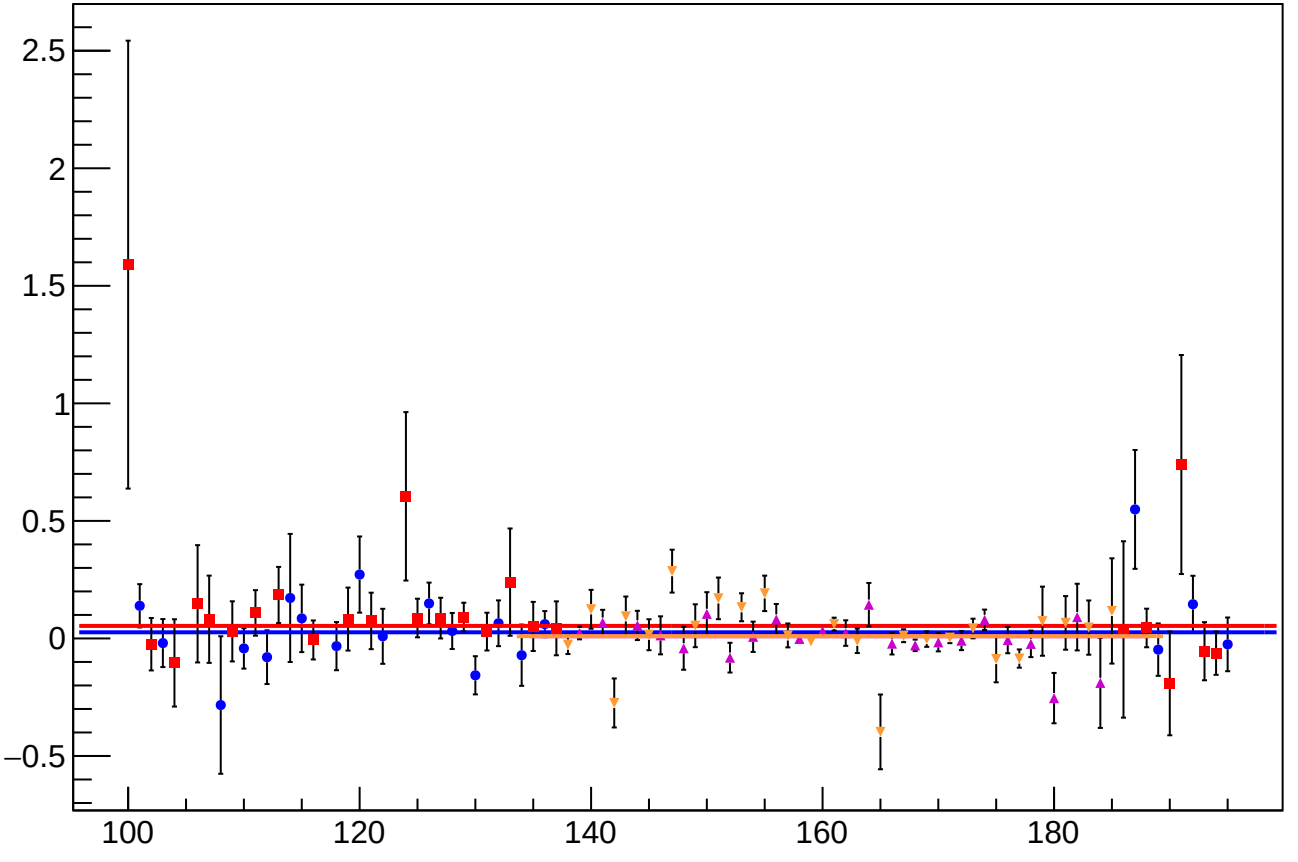
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.418+/-0.006 χ^2/NDF: 16644439.5/44

All: 30.880+/-0.004 χ^2/NDF: 35299707.9/92

- sign 29.514+/-0.005 χ^2/NDF: 18513613.8/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

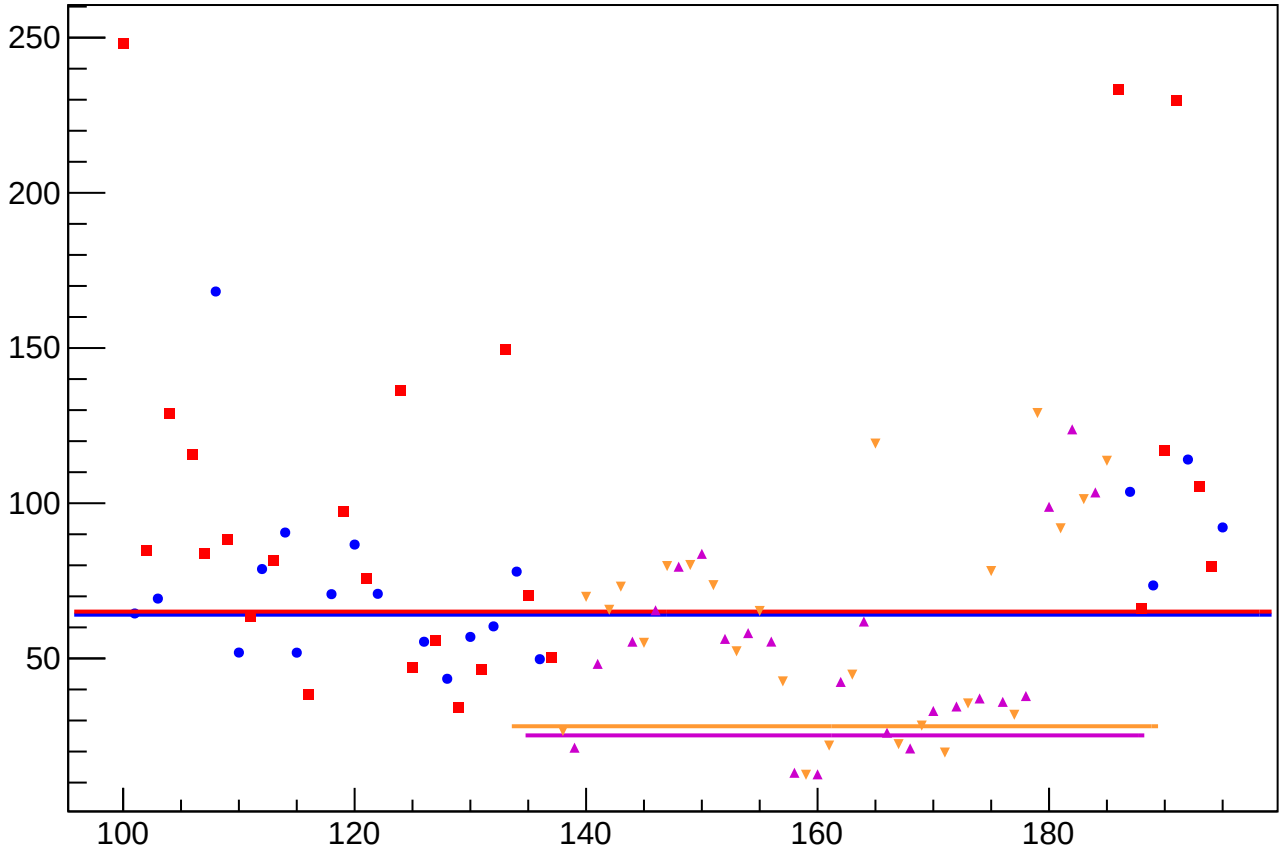
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.5/44

All: 0.013+/-0.005 χ^2/NDF: 120.8/92

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

asym_sam3_eigen_dit_vs_eigen_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

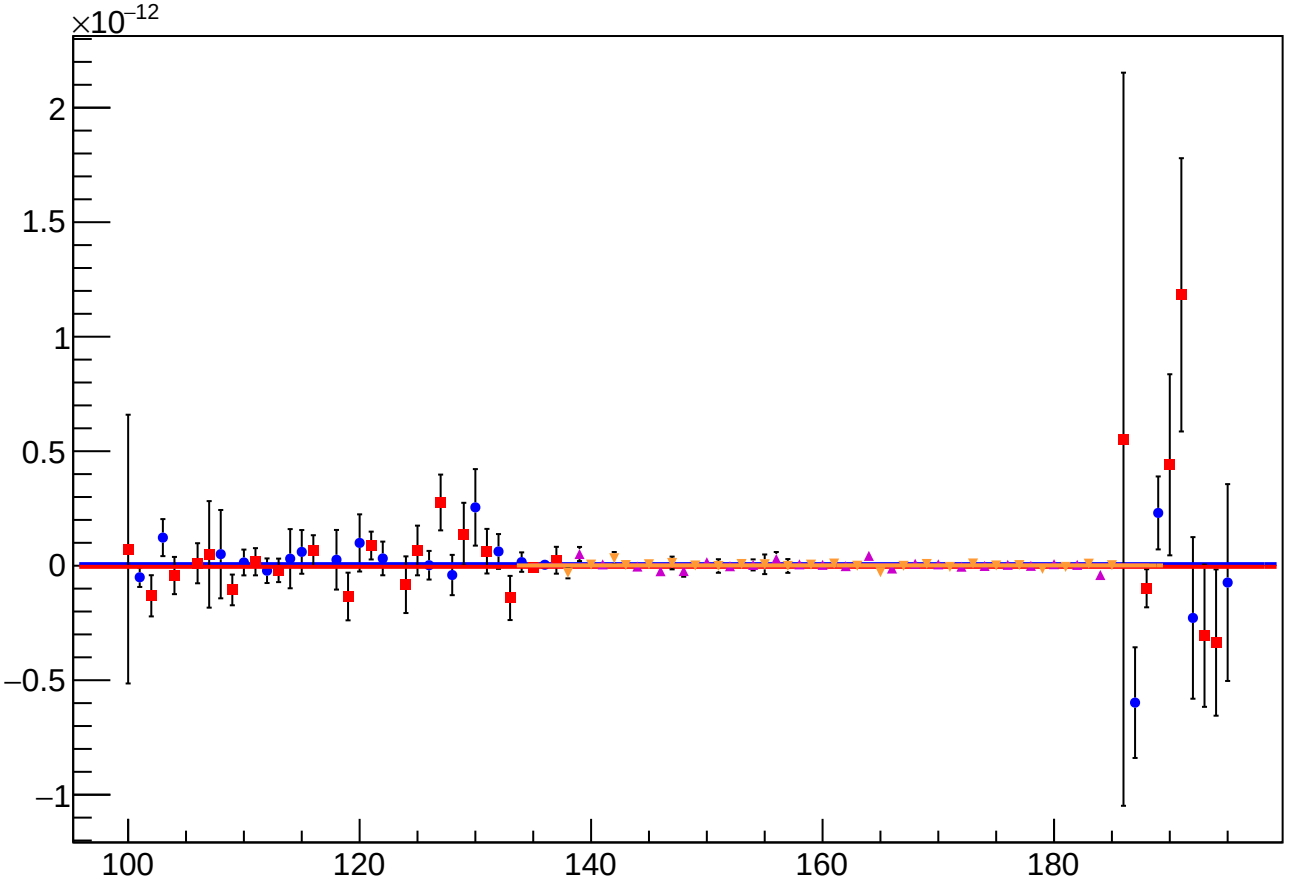
Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 32.418+/-0.006 χ^2/NDF: 16644439.5/44

All: 30.880+/-0.004 χ^2/NDF: 35299707.9/92

\- sign 29.514+/-0.005 χ^2/NDF: 18513613.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

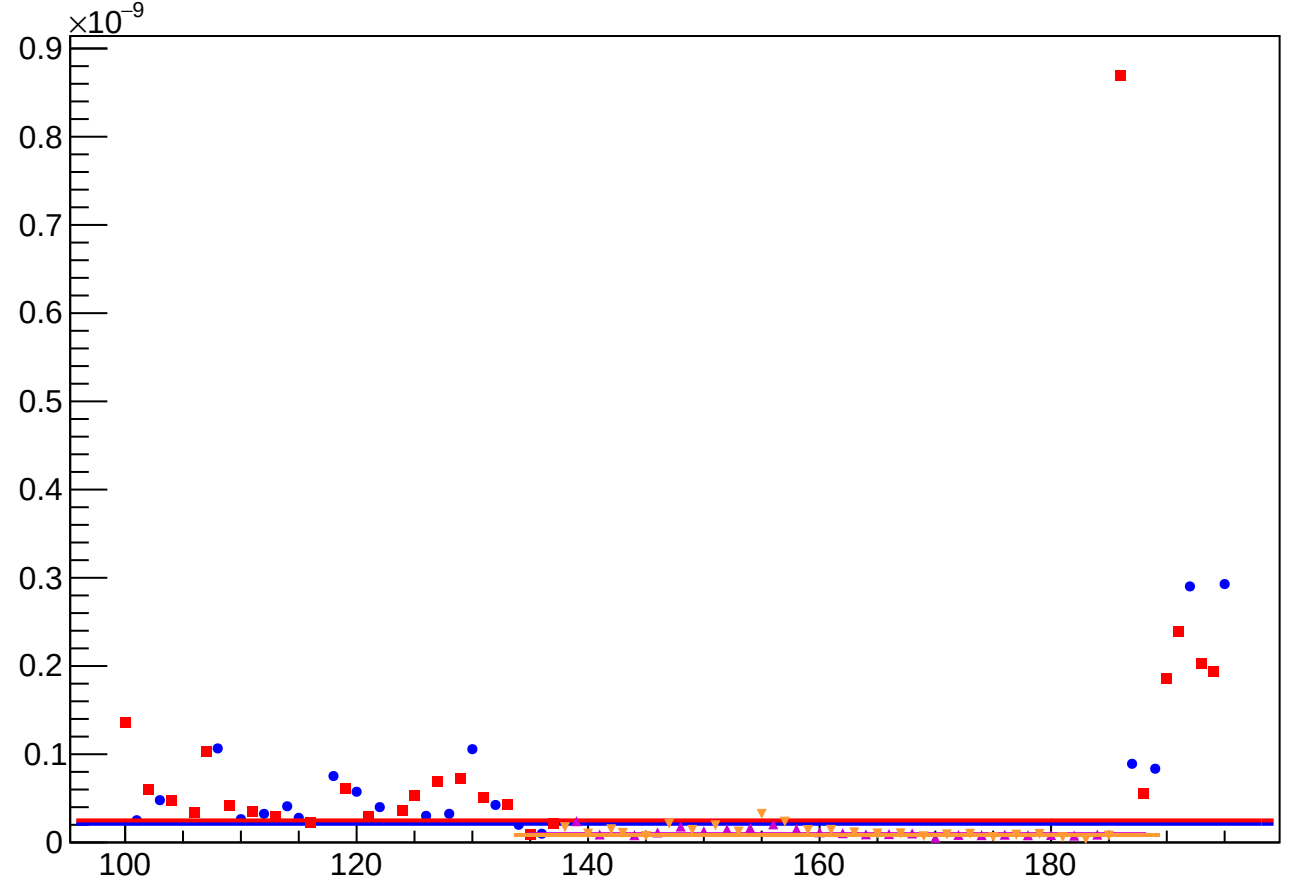
Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/24

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: 78.0/92

- sign 0.000+/-0.000 χ^2/NDF: 49.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 5564601.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6193650.8/24

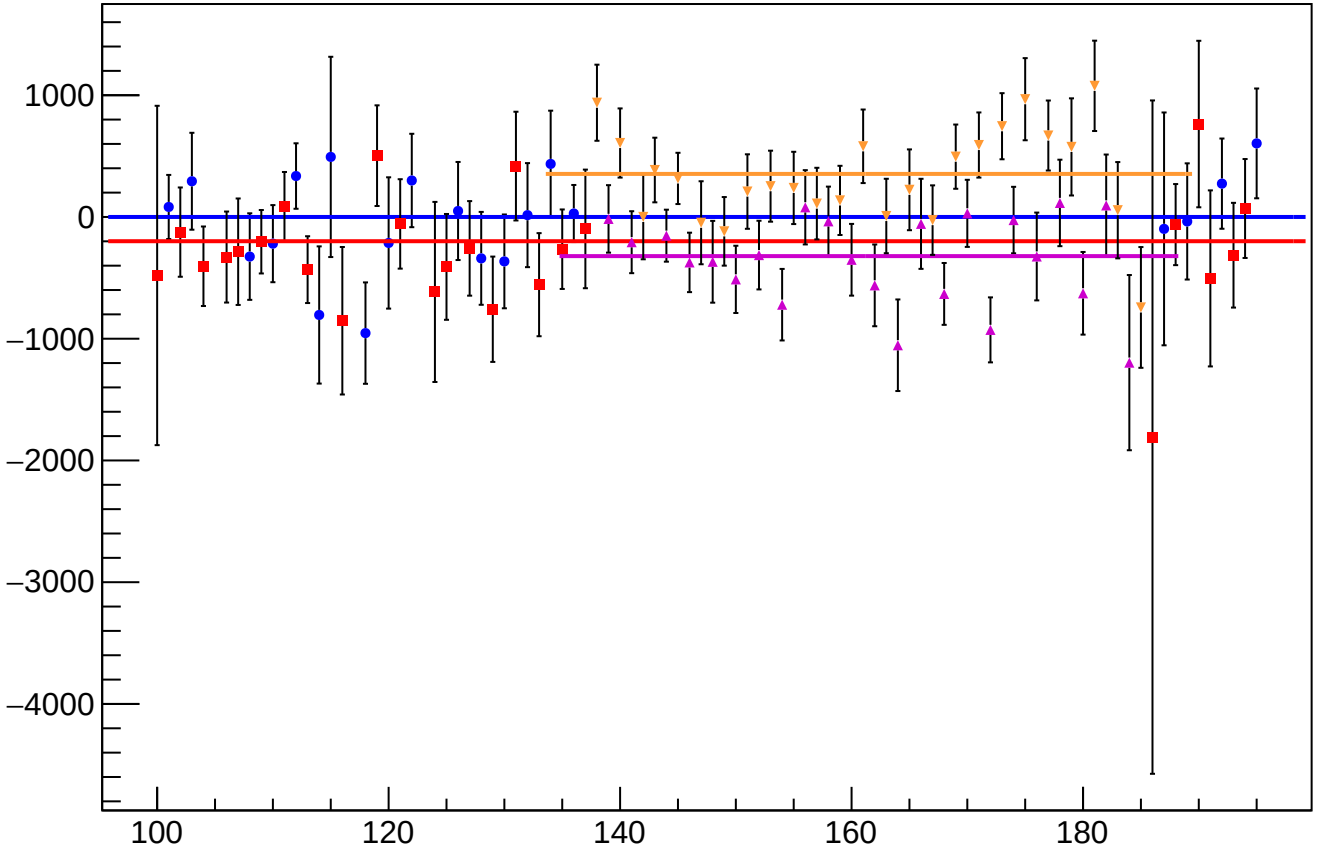
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12012444.9/44

All: 0.000+/-0.000 χ^2/NDF: 23104789.3/92

- sign 0.000+/-0.000 χ^2/NDF: 10953688.9/47

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: -199.121+/-80.566 χ^2/NDF: 14.7/24

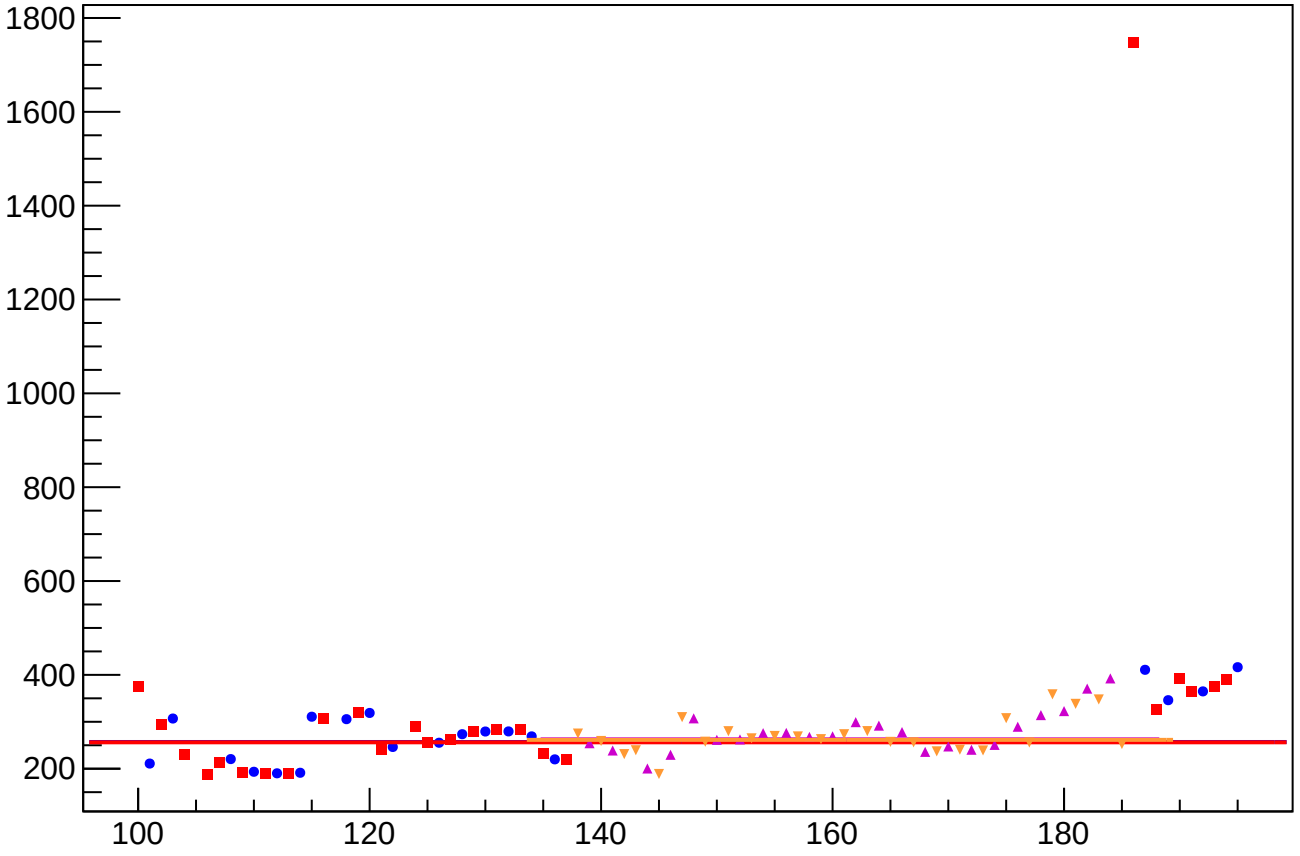
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 235.052+/-49.037 χ^2/NDF: 60.9/44

All: -19.613+/-34.729 χ^2/NDF: 157.4/92

- sign -275.883+/-49.191 χ^2/NDF: 42.4/47

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: 256.266+/-0.057 χ^2/NDF: 1761691.6/24

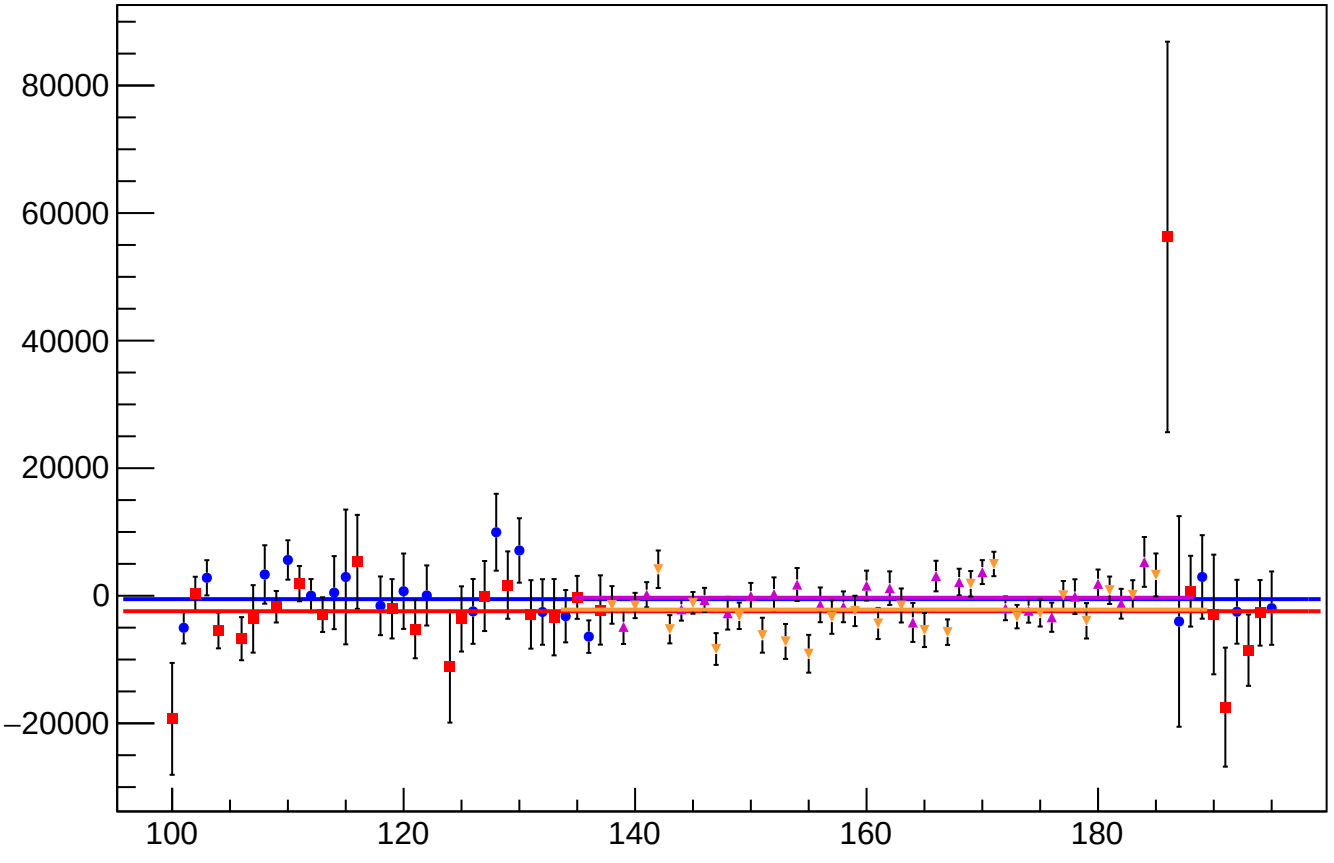
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735693.7/44

All: 260.098+/-0.025 χ^2/NDF: 4175861.2/92

- sign 260.249+/-0.035 χ^2/NDF: 2440130.1/47

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: -2426.509+/-852.218 χ^2/NDF: 21.7/24

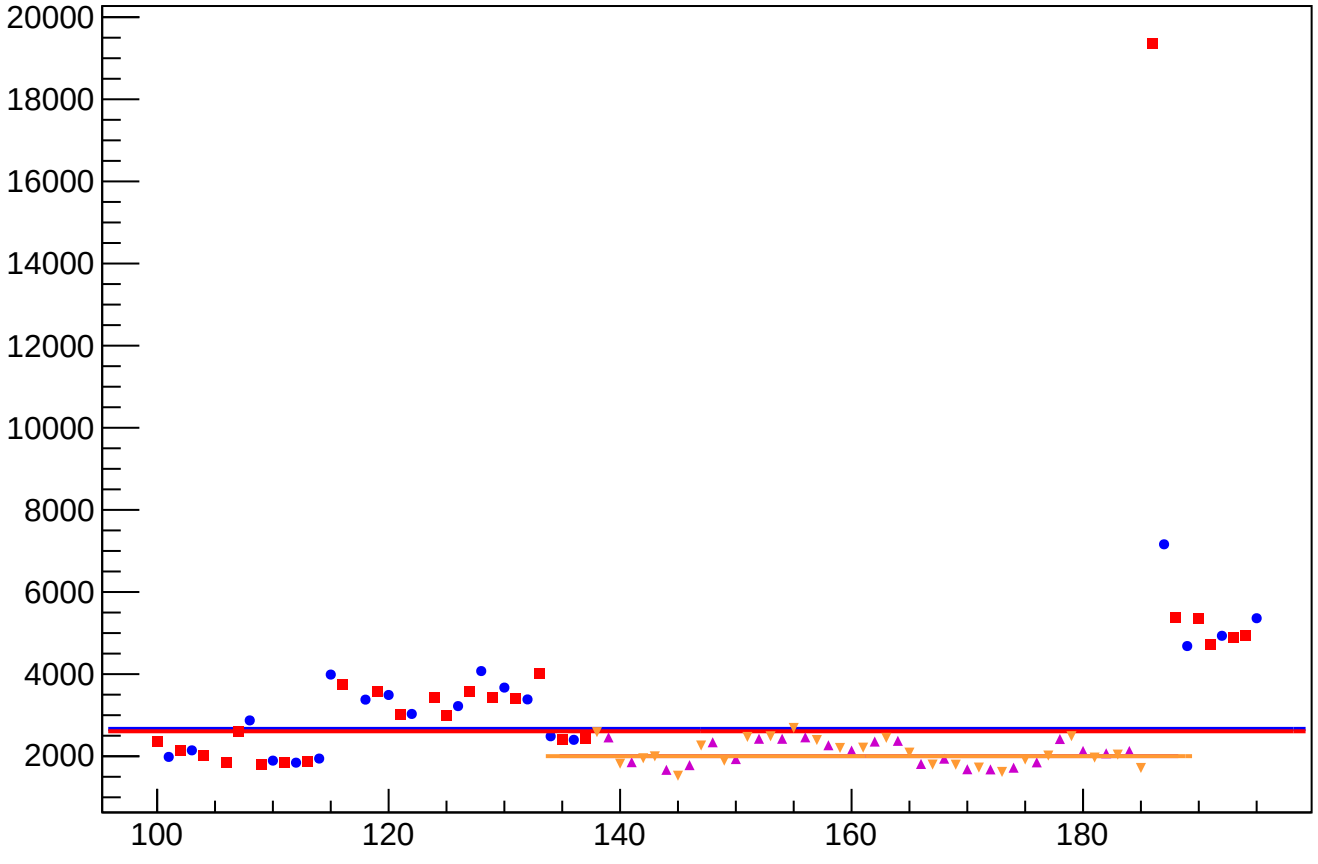
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.670+/-411.579 χ^2/NDF: 79.8/44

All: -1327.723+/-291.986 χ^2/NDF: 132.9/92

- sign -813.050+/-414.295 χ^2/NDF: 50.1/47

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: 2608.119+/-0.603 χ^2/NDF: 3339749.5/24

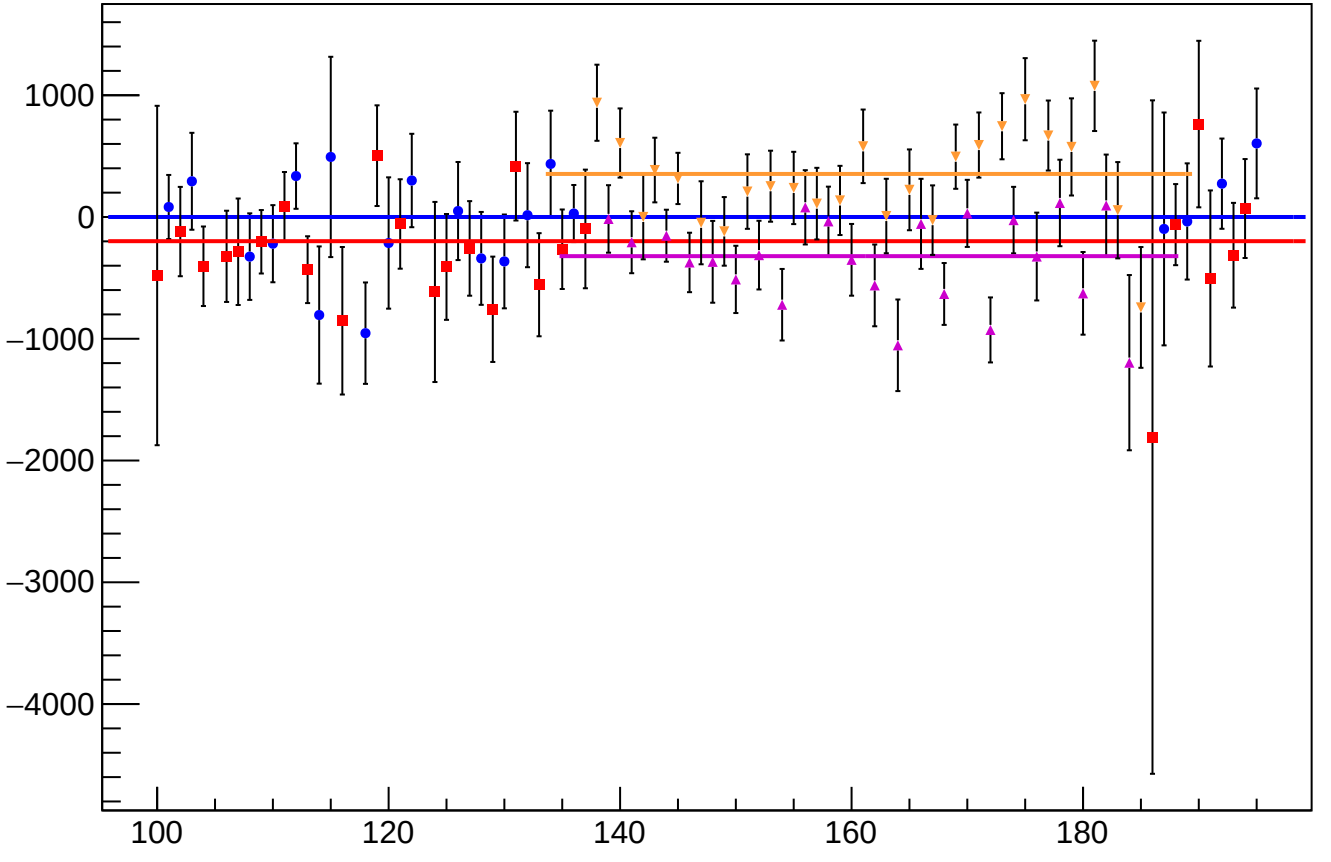
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2138.499+/-0.291 χ^2/NDF: 3923422.2/44

All: 2142.701+/-0.206 χ^2/NDF: 8735393.1/92

- sign 2146.958+/-0.293 χ^2/NDF: 4811551.3/47

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: -198.565+/-80.576 χ^2/NDF: 14.7/24

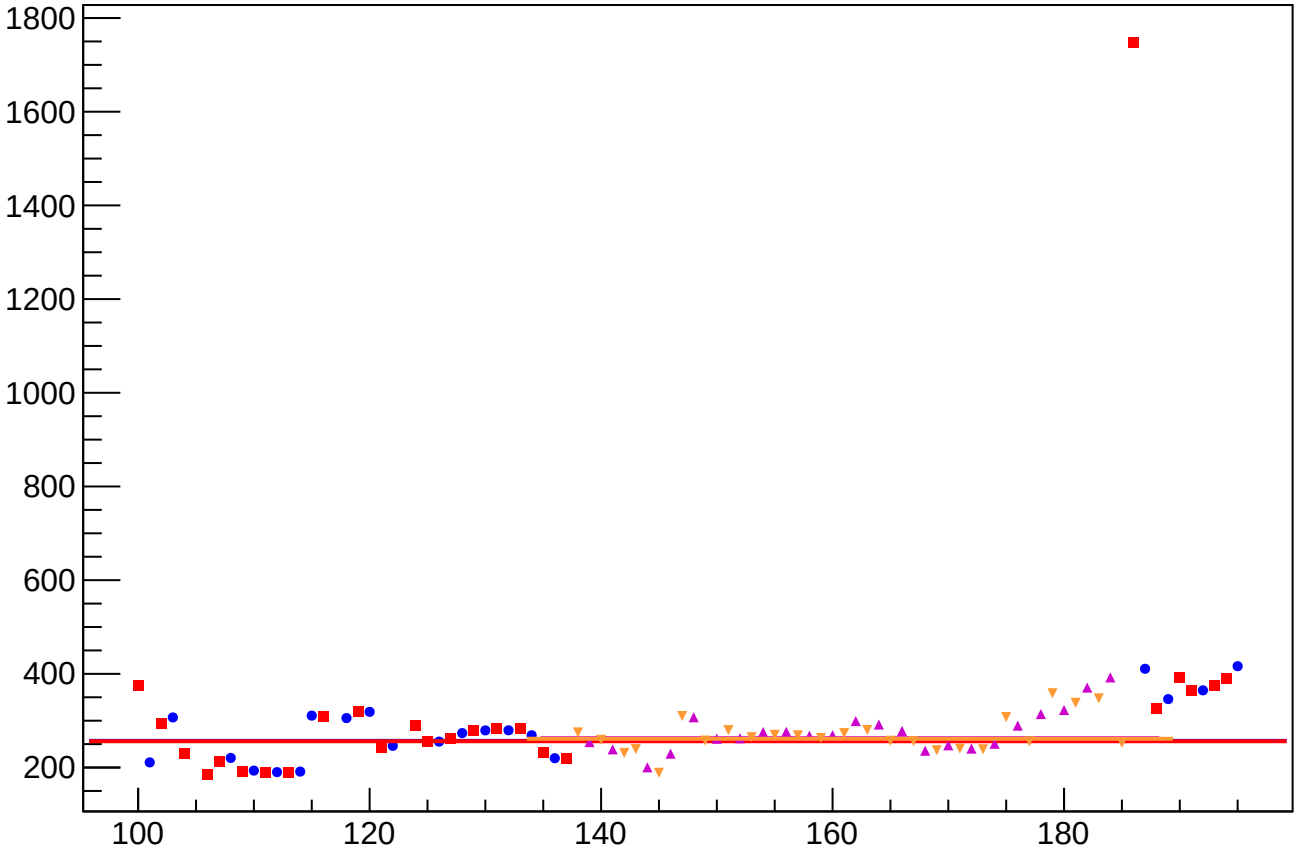
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 235.063+/-49.037 χ^2/NDF: 60.9/44

All: -19.497+/-34.730 χ^2/NDF: 157.4/92

- sign -275.687+/-49.194 χ^2/NDF: 42.4/47

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: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

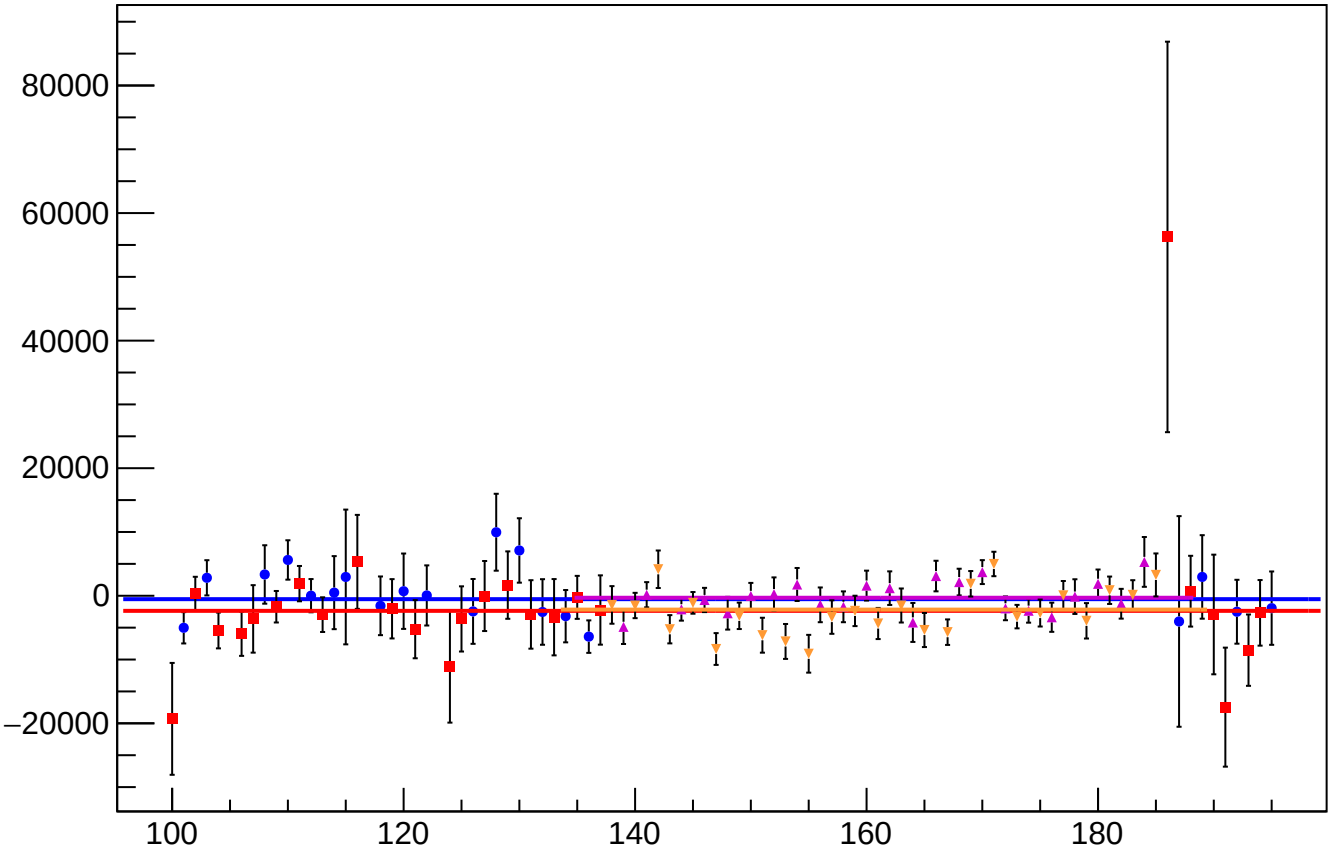
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735695.5/44

All: 260.081+/-0.025 χ^2/NDF: 4180927.9/92

- sign 260.213+/-0.035 χ^2/NDF: 2445203.3/47

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: -2366.209+/-853.682 χ^2/NDF: 21.1/24

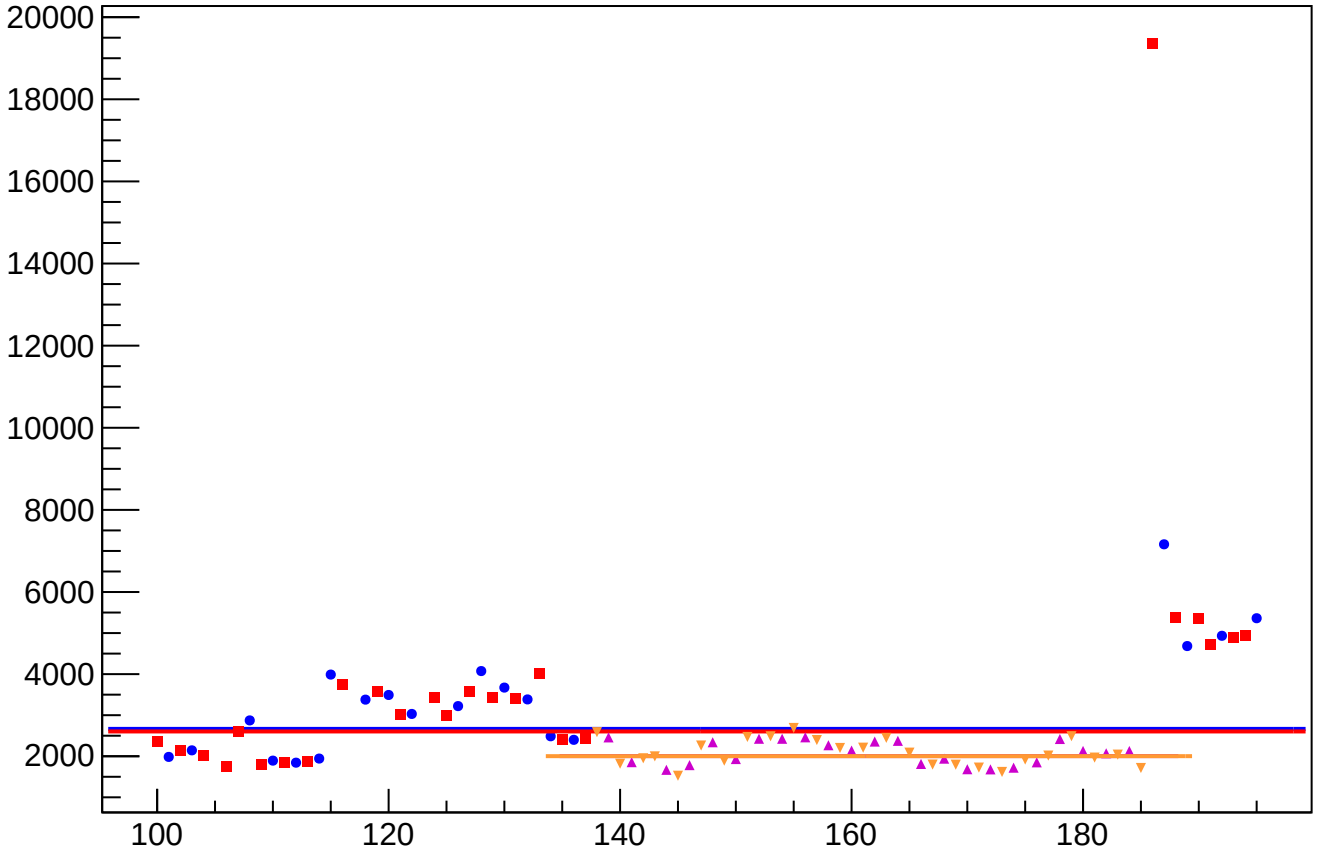
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.683+/-411.579 χ^2/NDF: 79.8/44

All: -1320.232+/-292.045 χ^2/NDF: 132.1/92

- sign -797.533+/-414.463 χ^2/NDF: 49.2/47

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

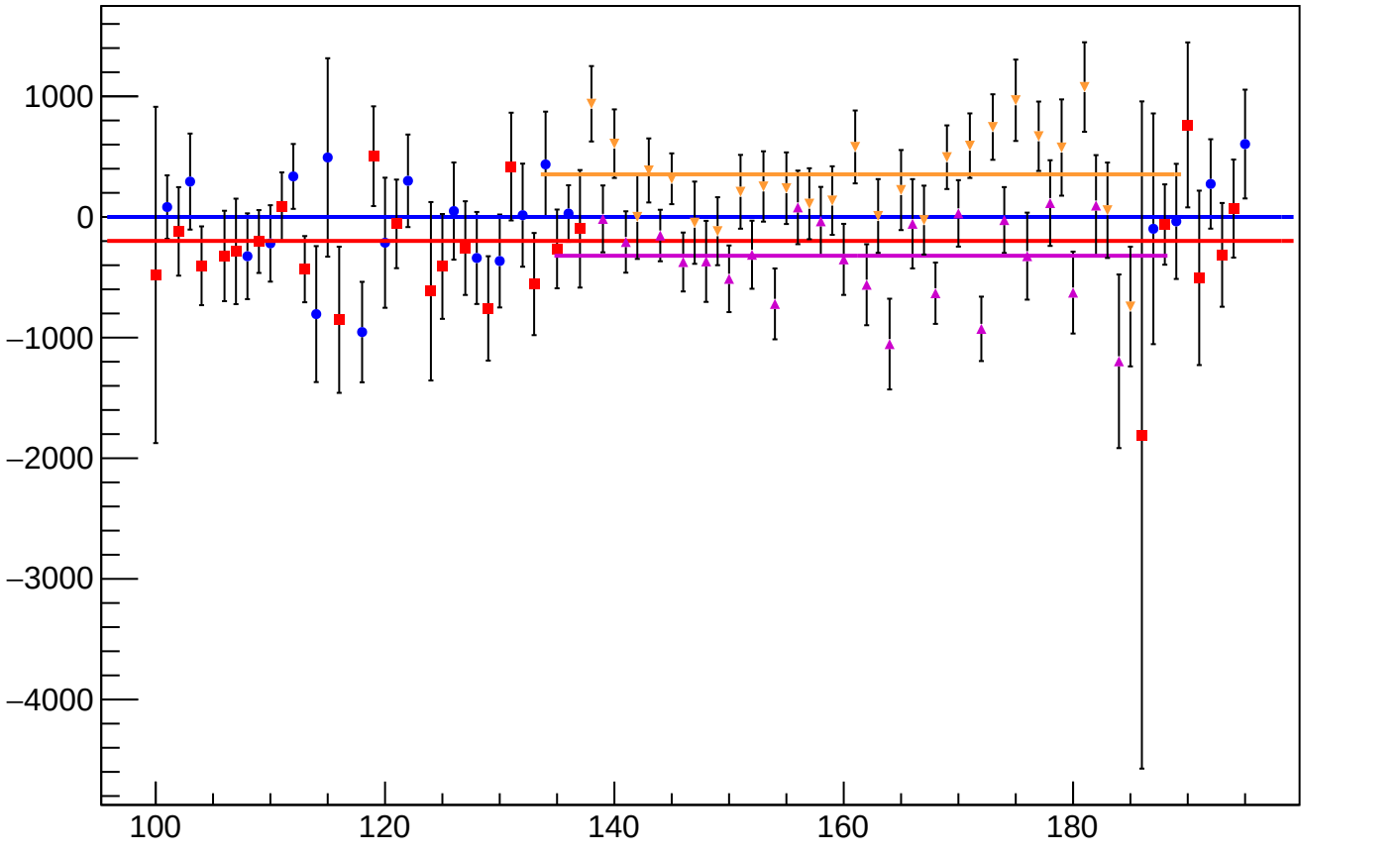
Right Out: 2604.026+/-0.604 χ^2/NDF: 3364216.0/24

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2138.503+/-0.291 χ^2/NDF: 3923421.4/44

All: 2142.036+/-0.207 χ^2/NDF: 8747393.5/92

- sign 2145.619+/-0.293 χ^2/NDF: 4823675.2/47



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: -198.565+/-80.576 χ^2/NDF: 14.7/24

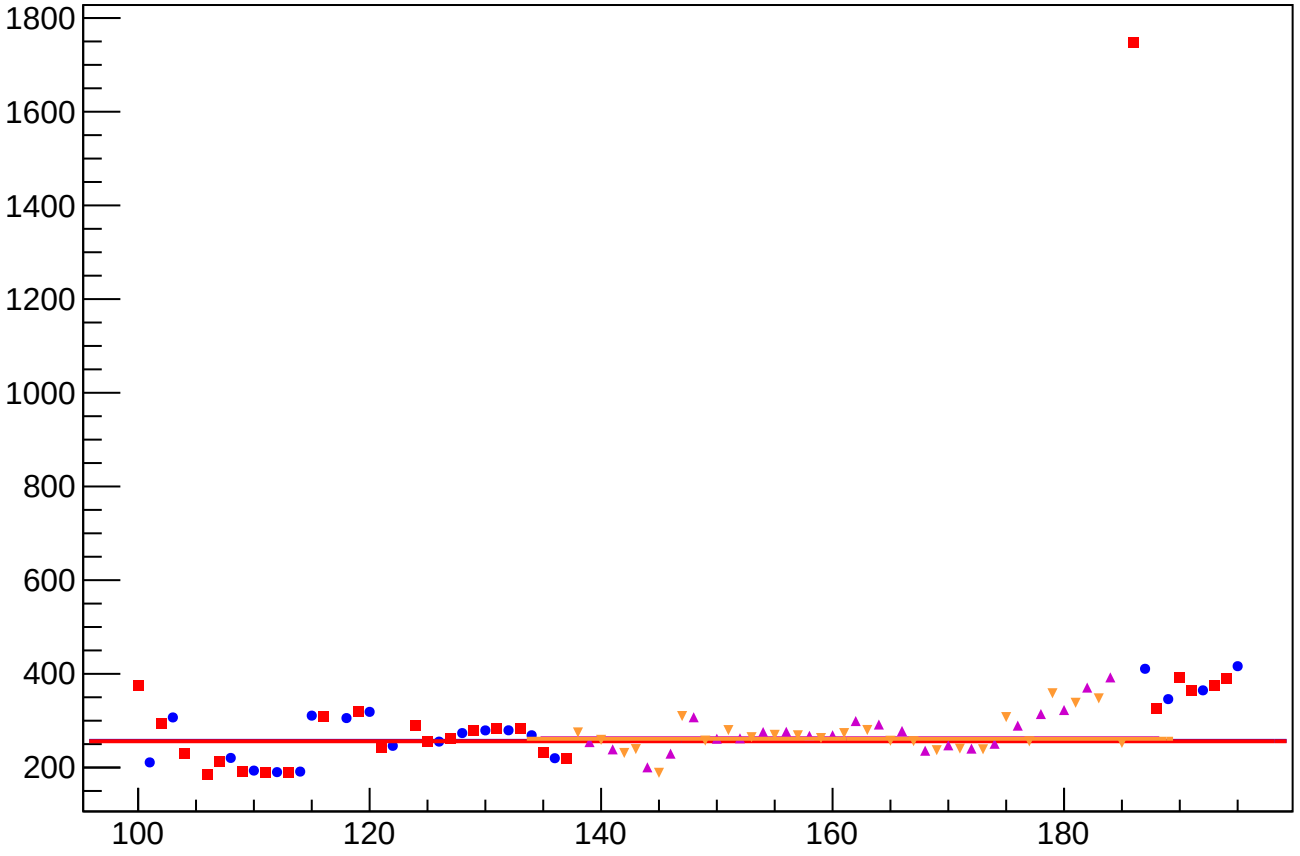
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 235.063+/-49.037 χ^2/NDF: 60.9/44

All: -19.497+/-34.730 χ^2/NDF: 157.4/92

- sign -275.687+/-49.194 χ^2/NDF: 42.4/47

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: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

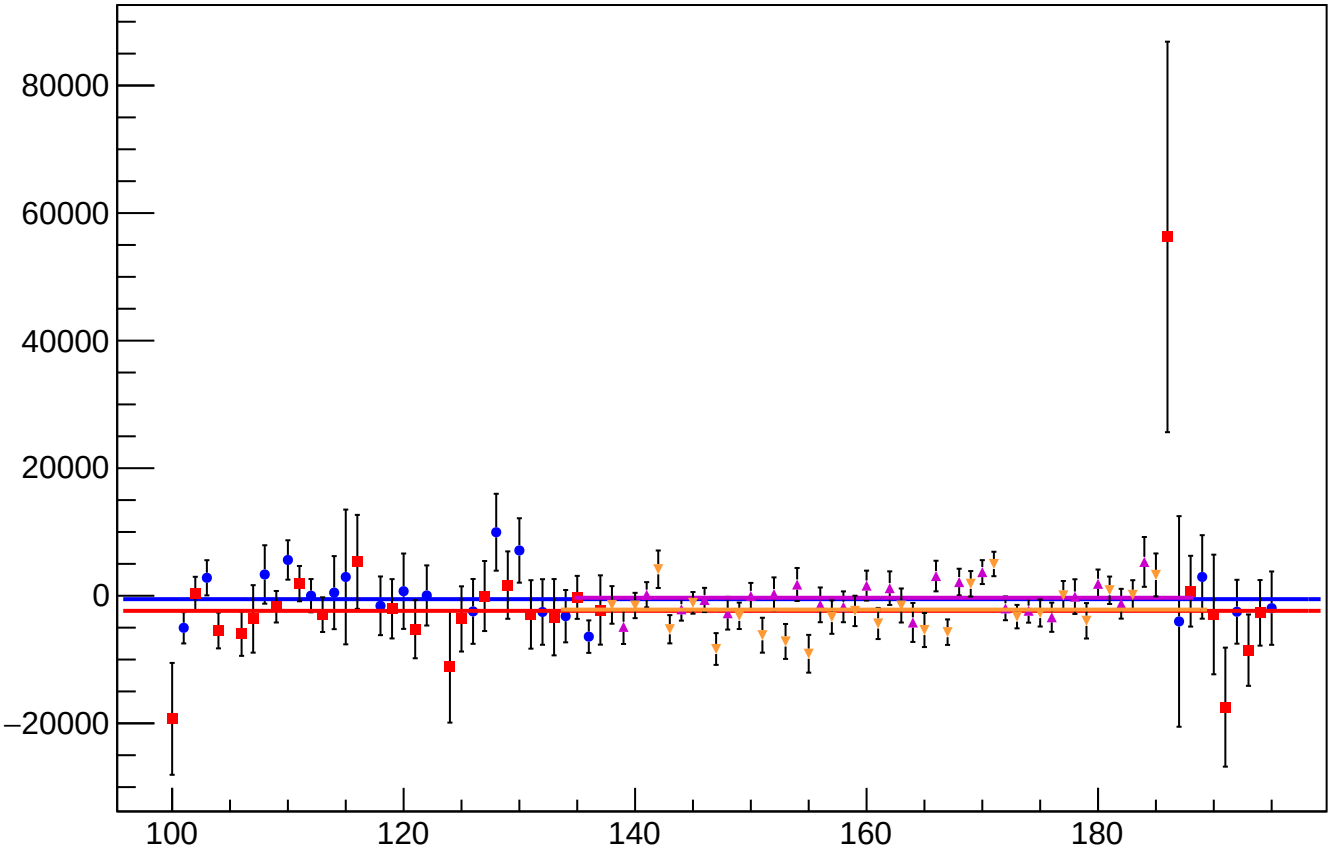
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 259.949+/-0.035 χ^2/NDF: 1735695.5/44

All: 260.081+/-0.025 χ^2/NDF: 4180927.9/92

- sign 260.213+/-0.035 χ^2/NDF: 2445203.3/47

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: -2366.209+/-853.682 χ^2/NDF: 21.1/24

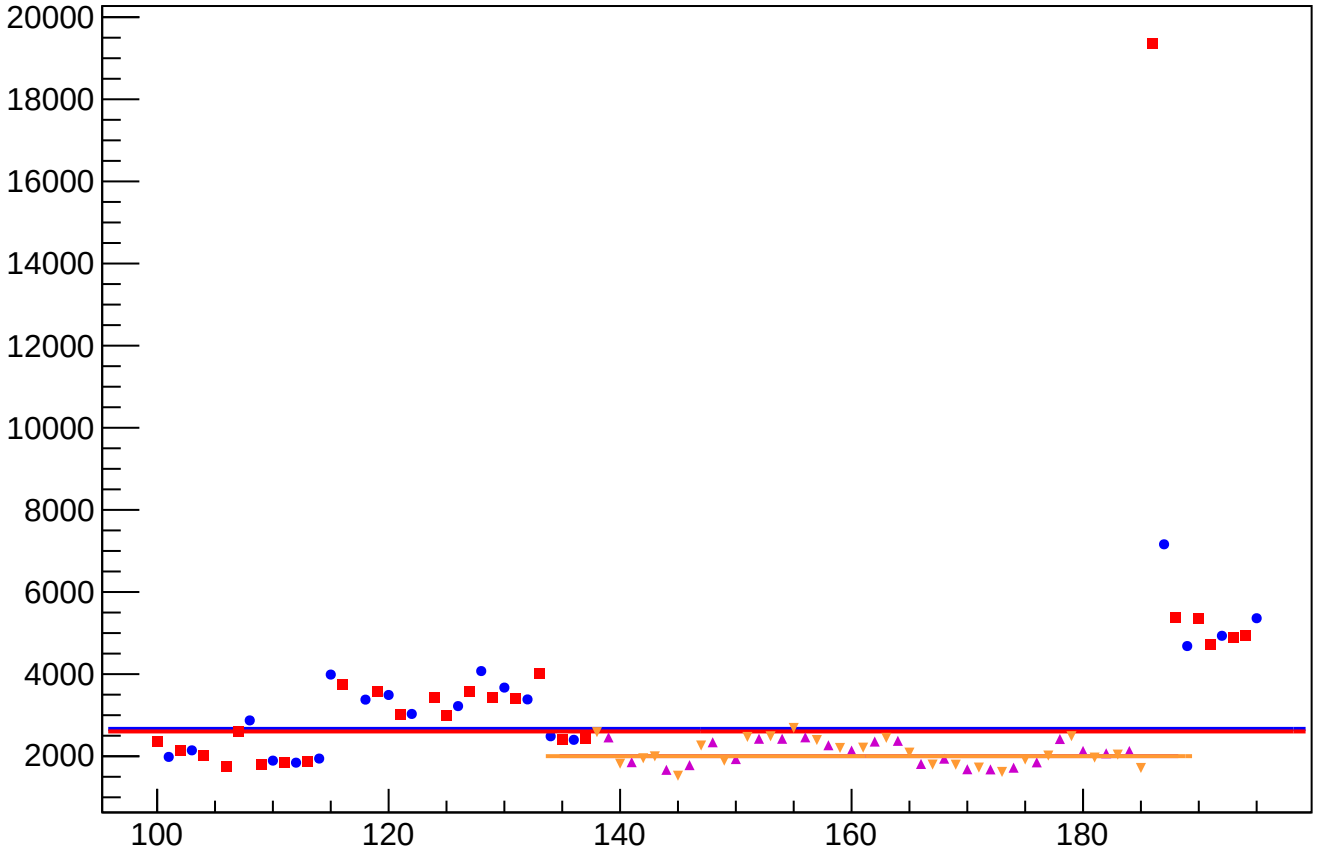
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.683+/-411.579 χ^2/NDF: 79.8/44

All: -1320.232+/-292.045 χ^2/NDF: 132.1/92

- sign -797.533+/-414.463 χ^2/NDF: 49.2/47

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: 2604.026+/-0.604 χ^2/NDF: 3364216.0/24

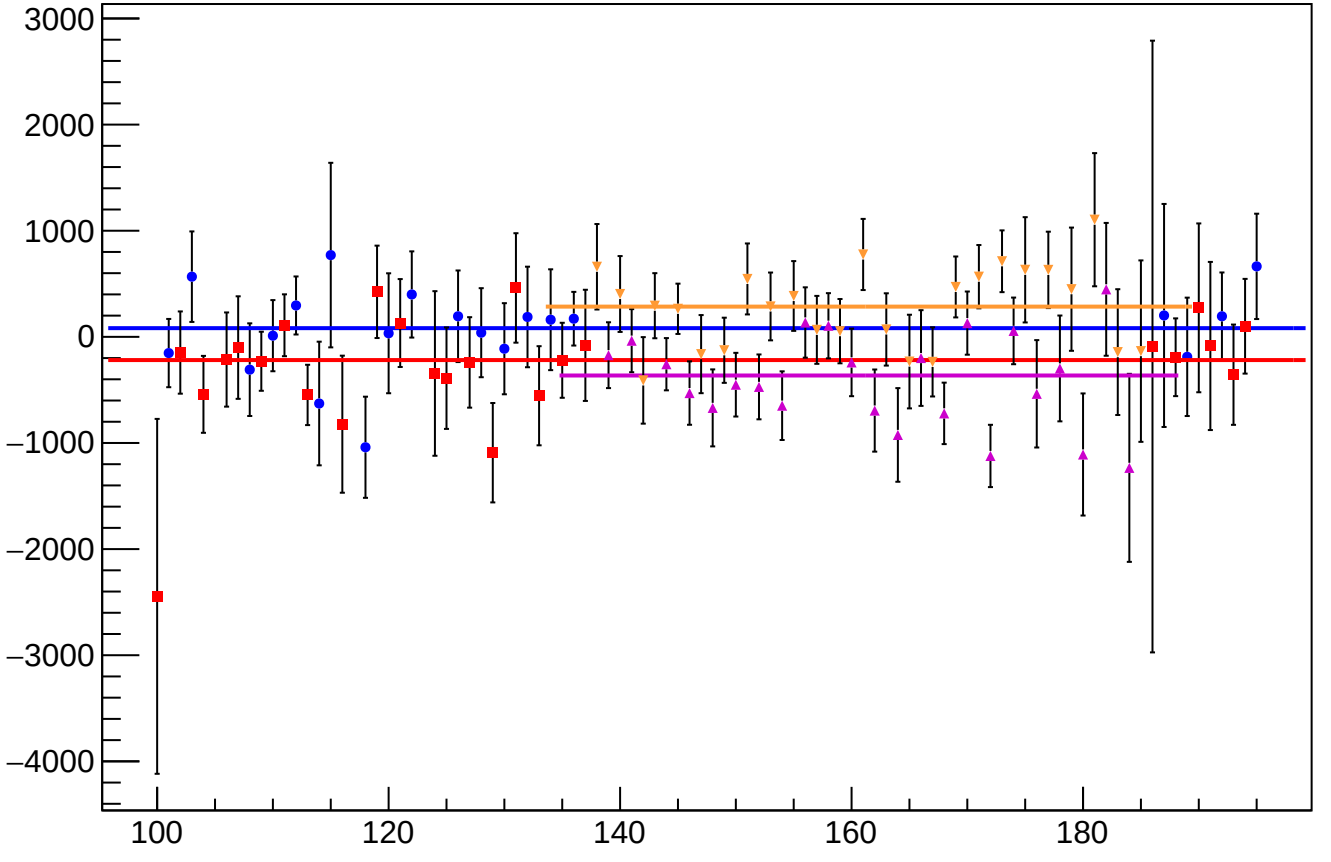
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2138.503+/-0.291 χ^2/NDF: 3923421.4/44

All: 2142.036+/-0.207 χ^2/NDF: 8747393.5/92

- sign 2145.619+/-0.293 χ^2/NDF: 4823675.2/47

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: -218.772+/-87.402 χ^2/NDF: 16.0/24

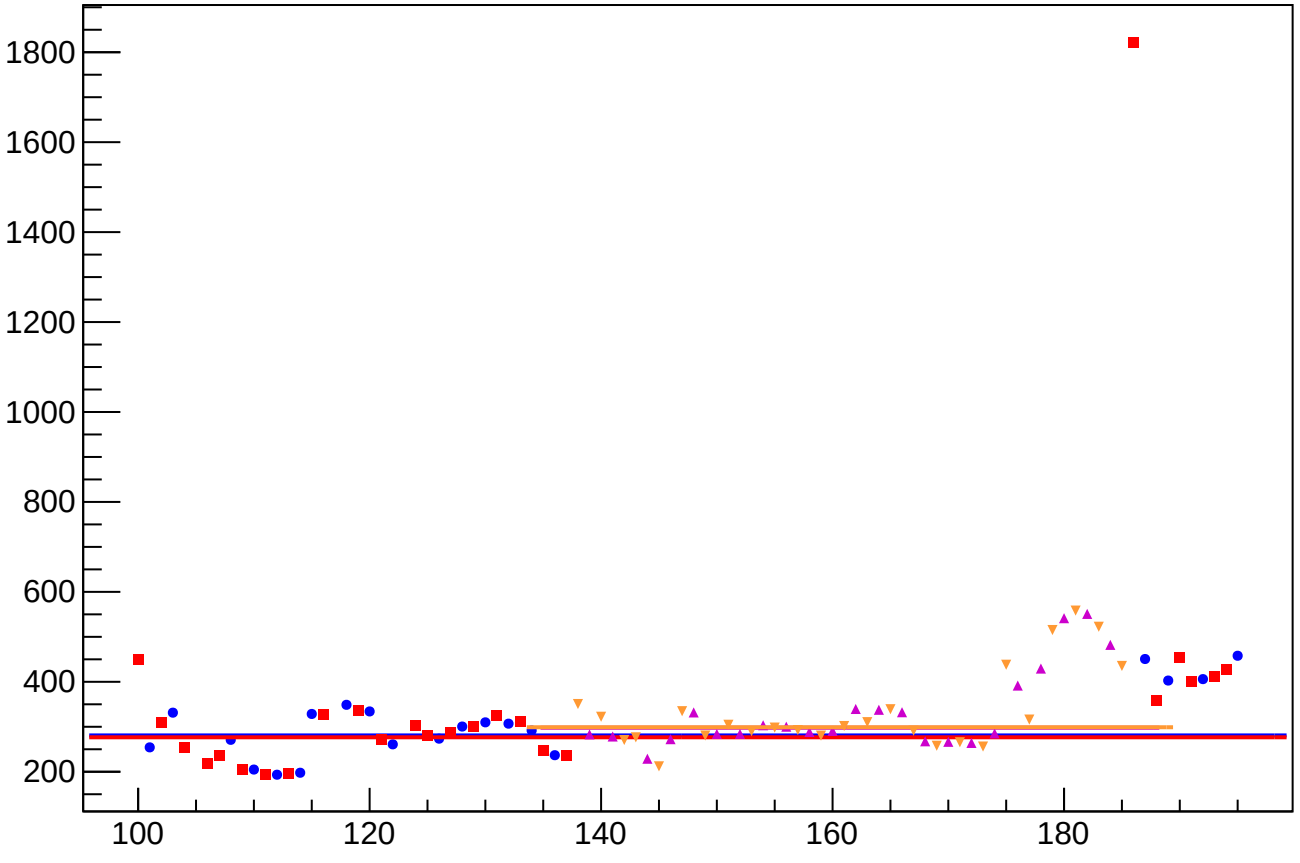
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 211.477+/-55.947 χ^2/NDF: 39.6/44

All: -49.449+/-39.380 χ^2/NDF: 128.6/92

- sign -305.665+/-55.440 χ^2/NDF: 45.8/47

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: 276.604+/-0.062 χ^2/NDF: 1877956.6/24

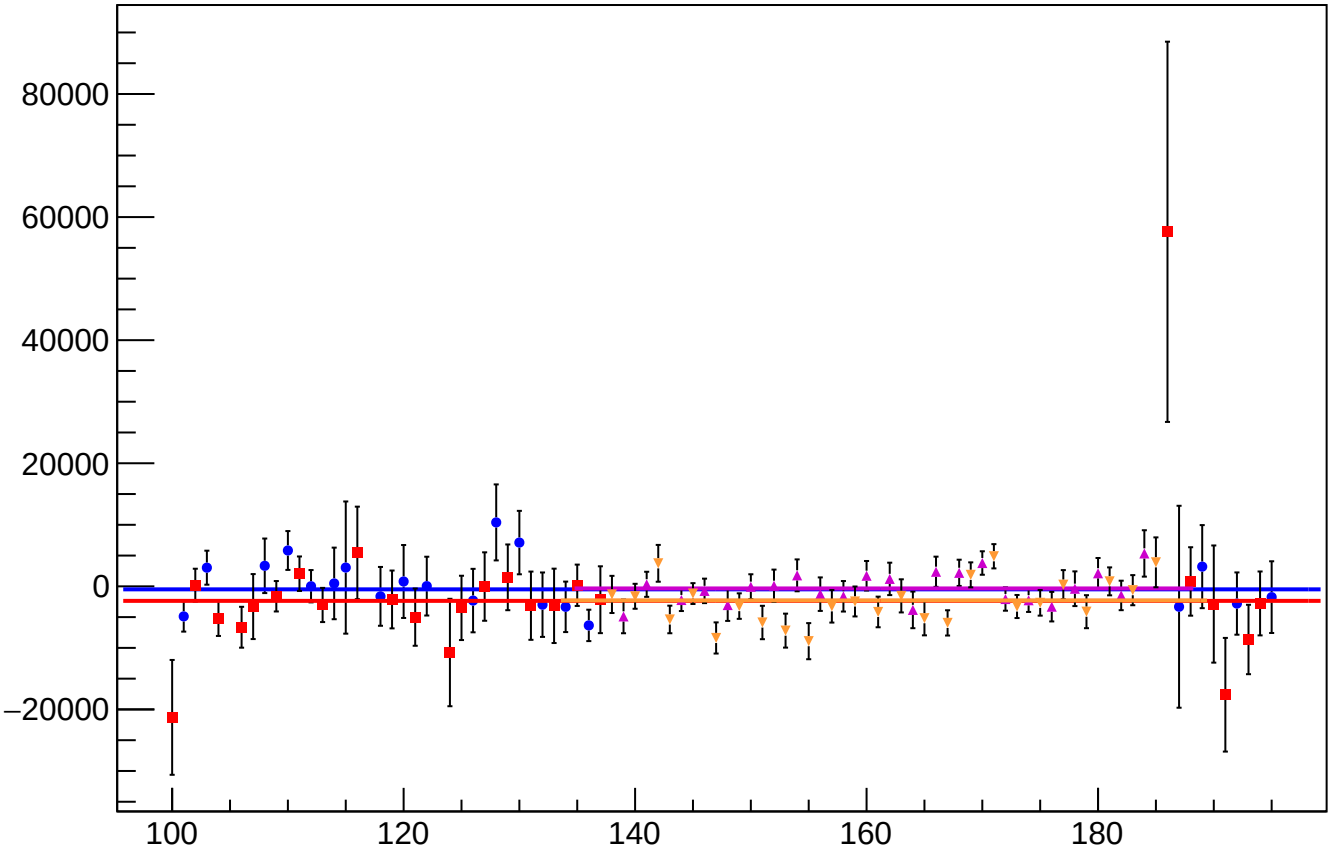
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

\+ sign 292.368+/-0.040 χ^2/NDF: 2790005.1/44

All: 290.832+/-0.028 χ^2/NDF: 6060877.9/92

\- sign 289.323+/-0.039 χ^2/NDF: 3267882.2/47

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: -2360.762+/-858.684 χ^2/NDF: 22.1/24

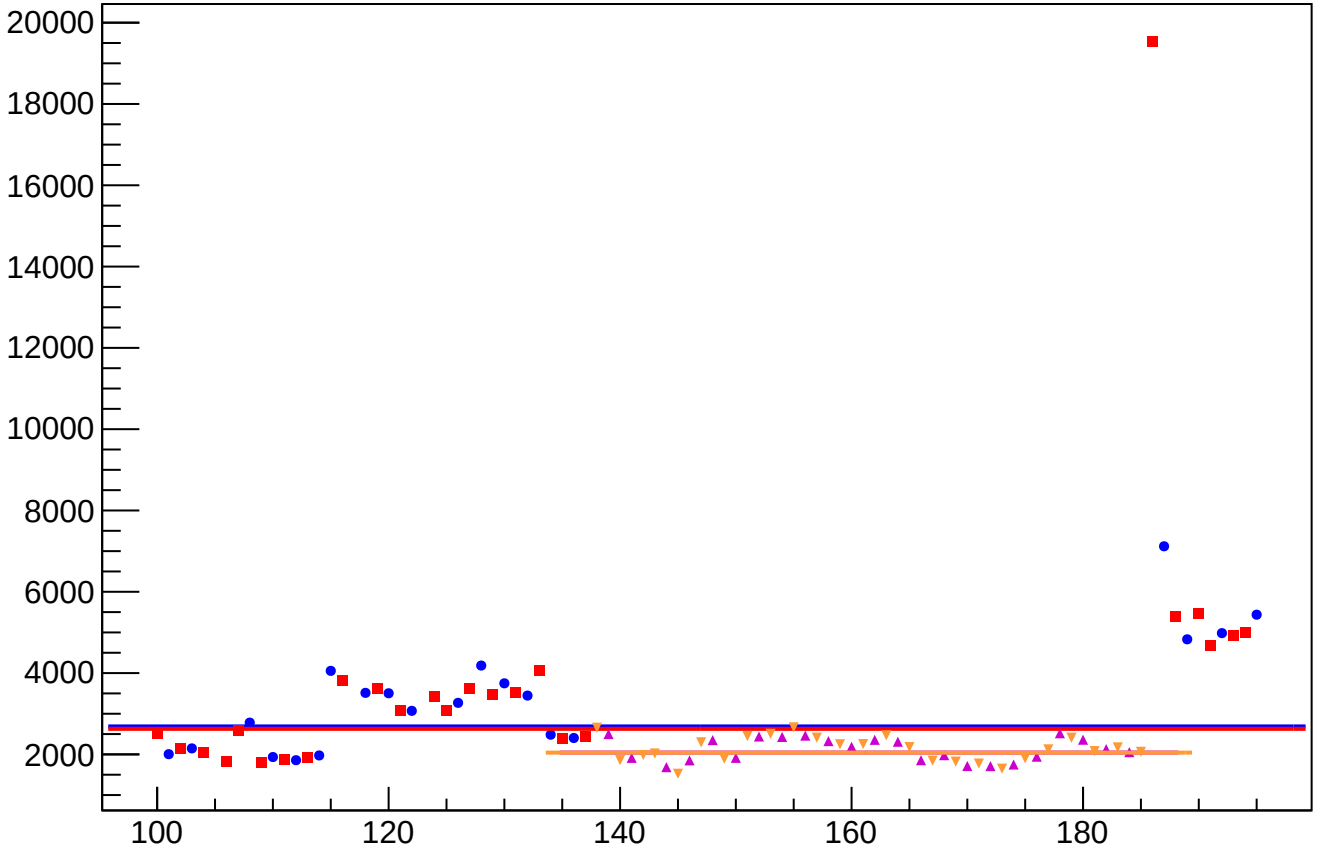
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1915.093+/-418.585 χ^2/NDF: 76.5/44

All: -1375.450+/-296.965 χ^2/NDF: 129.0/92

- sign -828.593+/-421.373 χ^2/NDF: 49.1/47

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: 2628.227+/-0.607 χ^2/NDF: 3365218.9/24

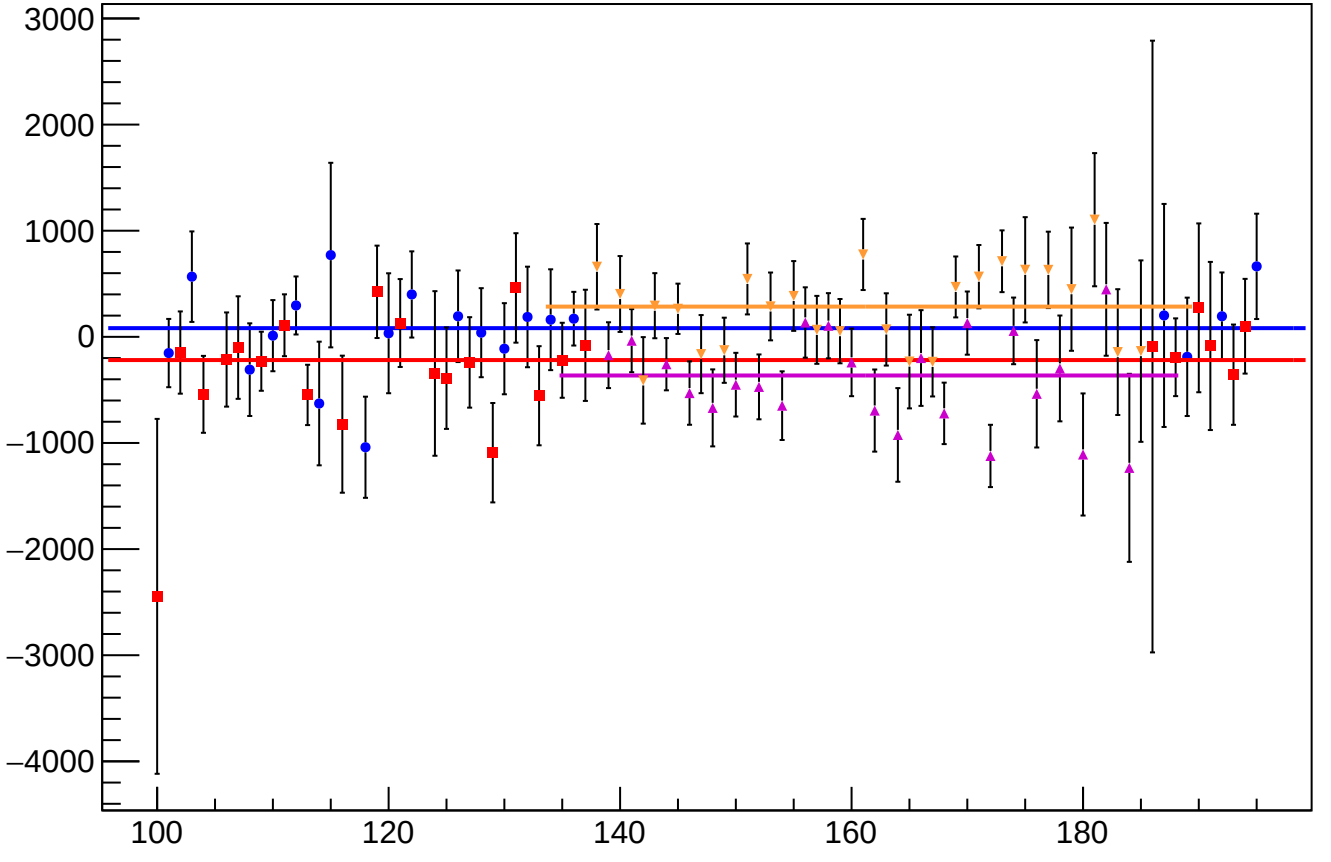
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2178.158+/-0.296 χ^2/NDF: 3856172.9/44

All: 2181.844+/-0.210 χ^2/NDF: 8611968.7/92

- sign 2185.580+/-0.298 χ^2/NDF: 4755483.5/47

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: -218.771+/-87.402 χ^2/NDF: 16.0/24

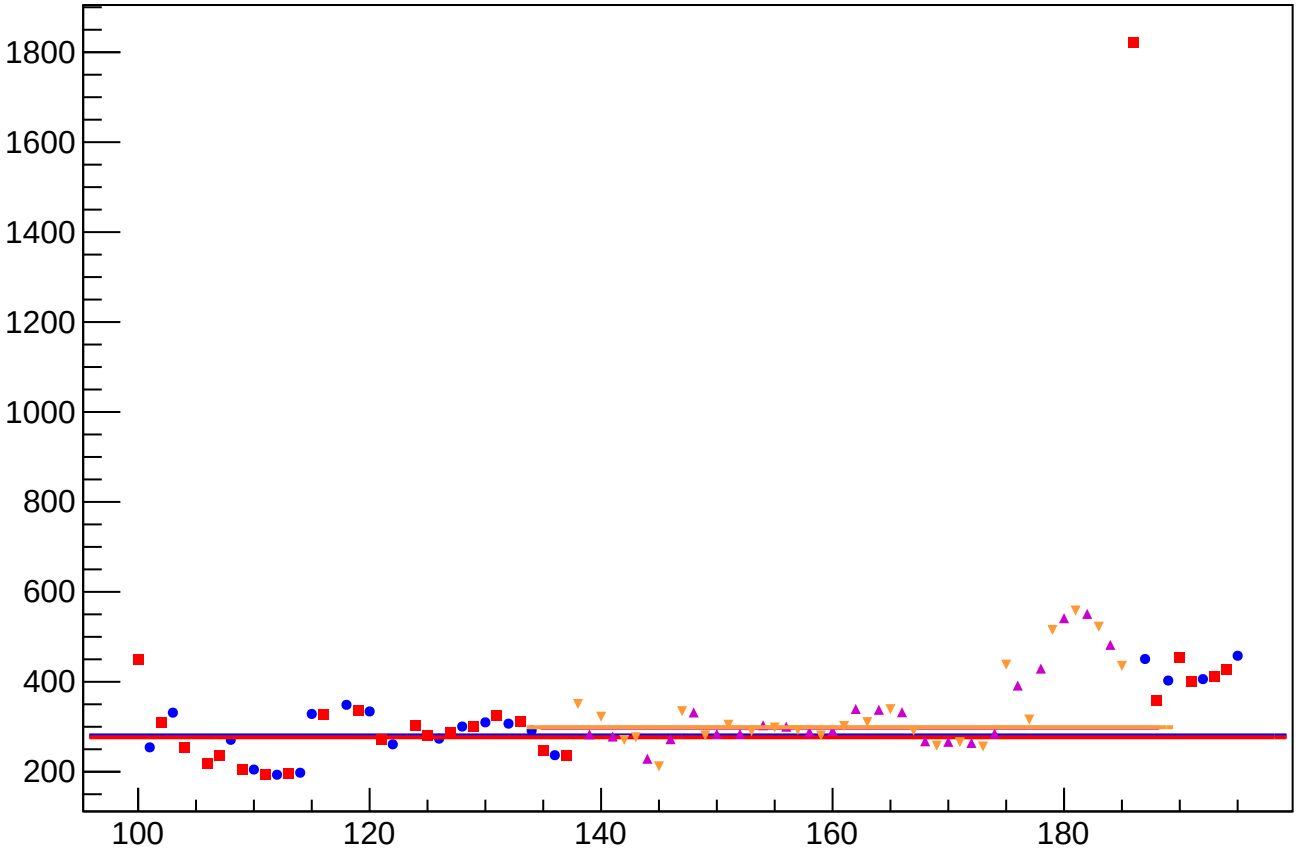
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 211.481+/-55.947 χ^2/NDF: 39.6/44

All: -49.447+/-39.380 χ^2/NDF: 128.6/92

- sign -305.665+/-55.440 χ^2/NDF: 45.8/47

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: 276.604+/-0.062 χ^2/NDF: 1877958.4/24

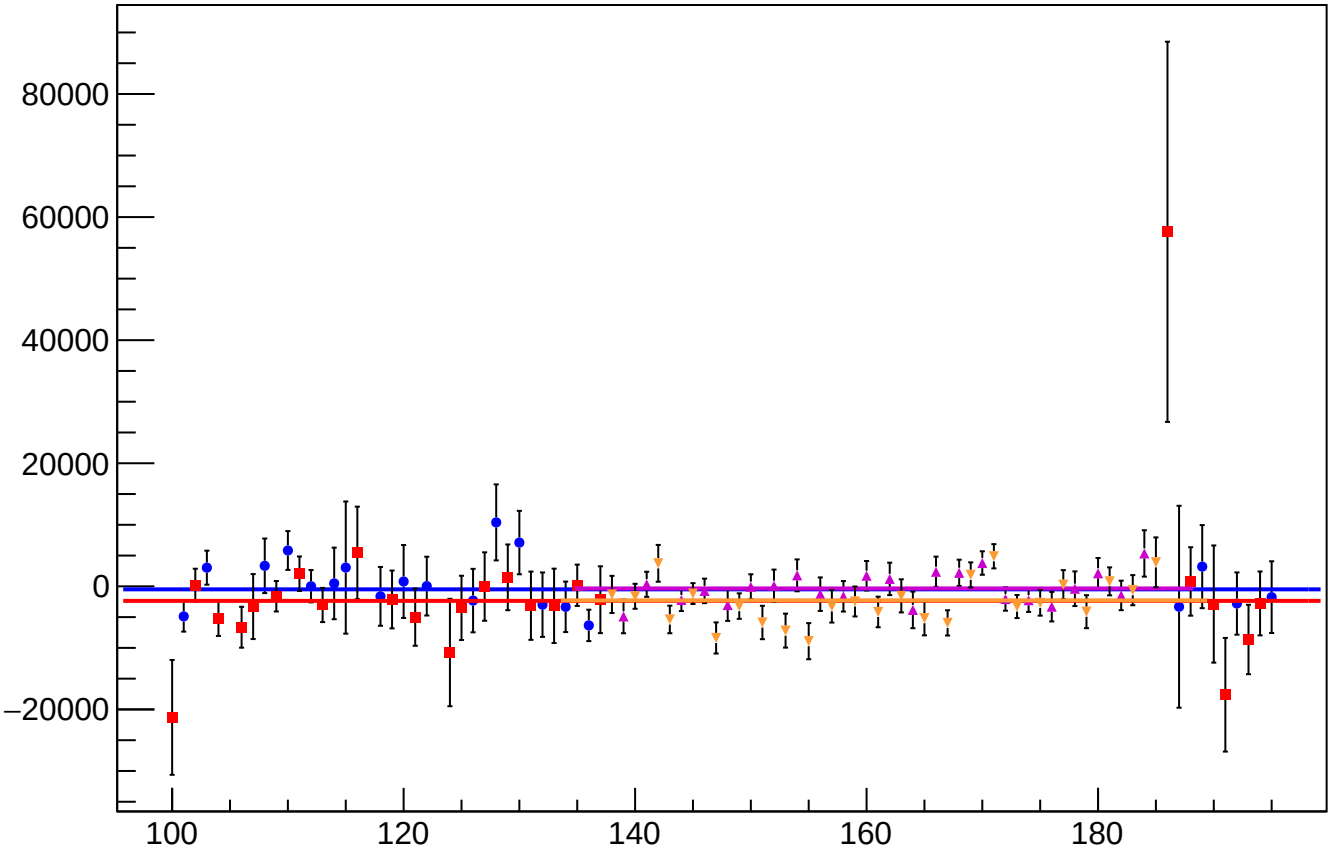
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 292.369+/-0.040 χ^2/NDF: 2790000.1/44

All: 290.832+/-0.028 χ^2/NDF: 6060858.2/92

- sign 289.323+/-0.039 χ^2/NDF: 3267867.5/47

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: -2360.760+/-858.683 χ^2/NDF: 22.1/24

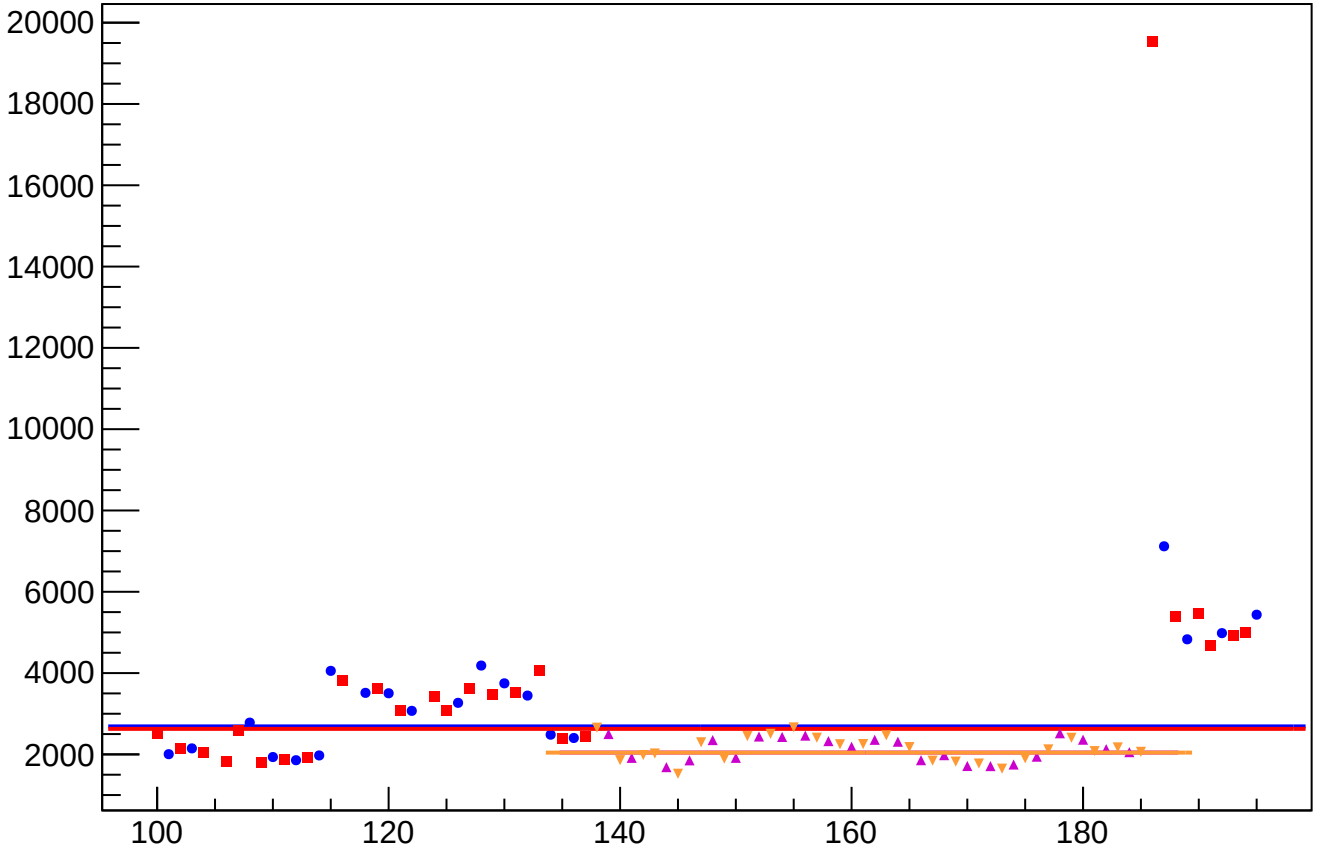
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1915.089+/-418.584 χ^2/NDF: 76.5/44

All: -1375.447+/-296.965 χ^2/NDF: 129.0/92

- sign -828.590+/-421.373 χ^2/NDF: 49.1/47

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: 2628.225+/-0.607 χ^2/NDF: 3365216.2/24

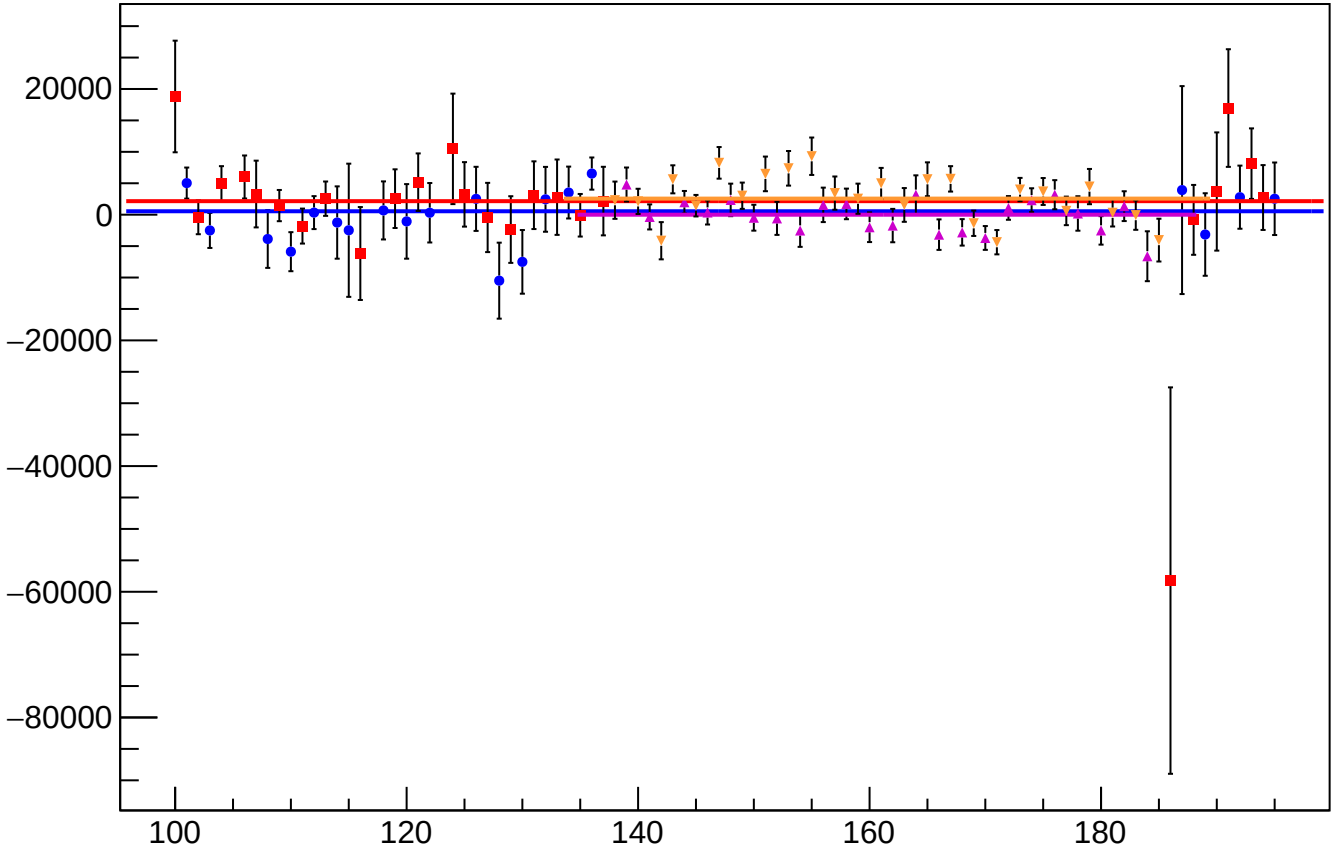
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2178.155+/-0.296 χ^2/NDF: 3856181.2/44

All: 2181.842+/-0.210 χ^2/NDF: 8611976.6/92

- sign 2185.577+/-0.298 χ^2/NDF: 4755483.0/47

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: 2151.894+/-857.226 χ^2/NDF: 20.7/24

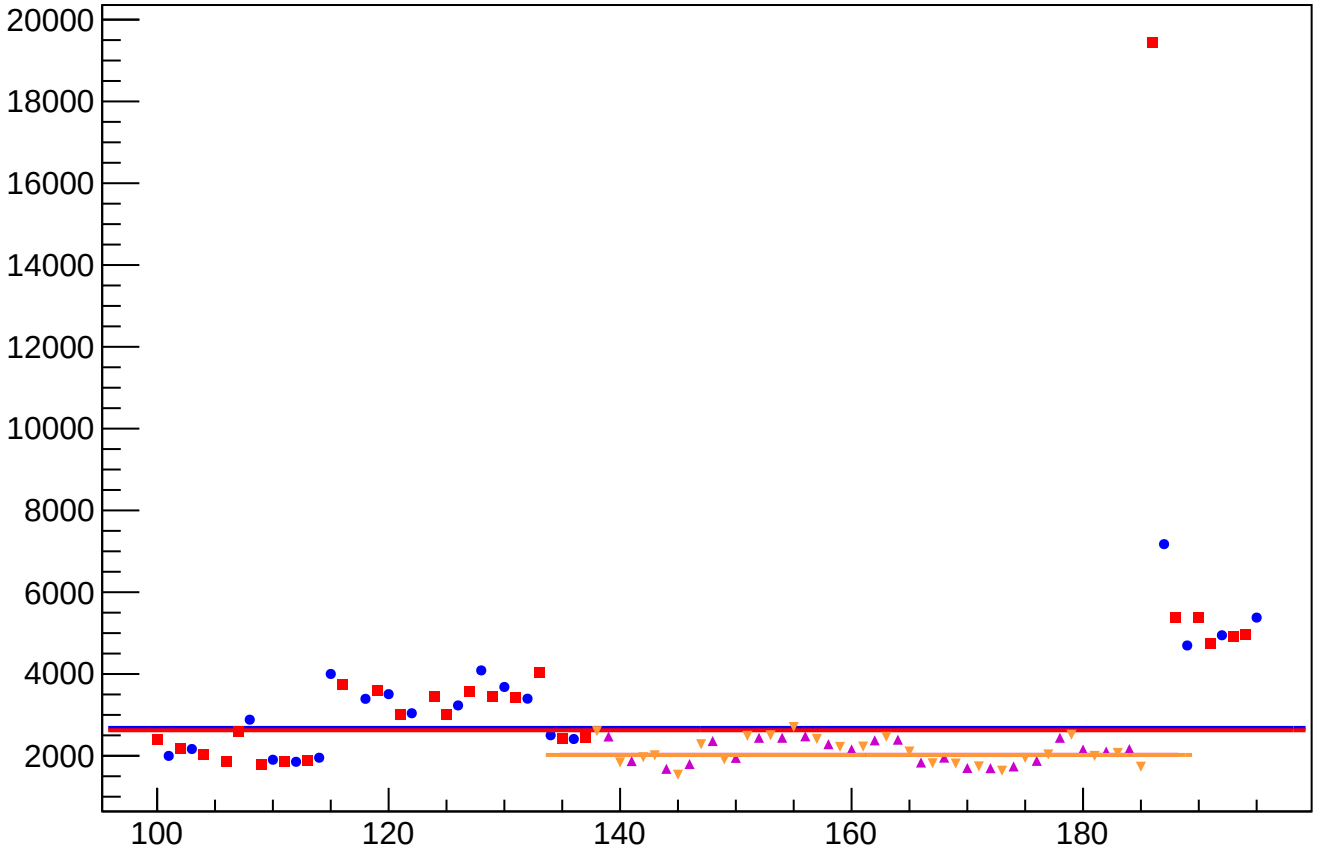
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2143.364+/-415.075 χ^2/NDF: 79.3/44

All: 1331.370+/-294.469 χ^2/NDF: 137.2/92

- sign 508.583+/-417.824 χ^2/NDF: 50.2/47

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: 2624.319+/-0.606 χ^2/NDF: 3319599.3/24

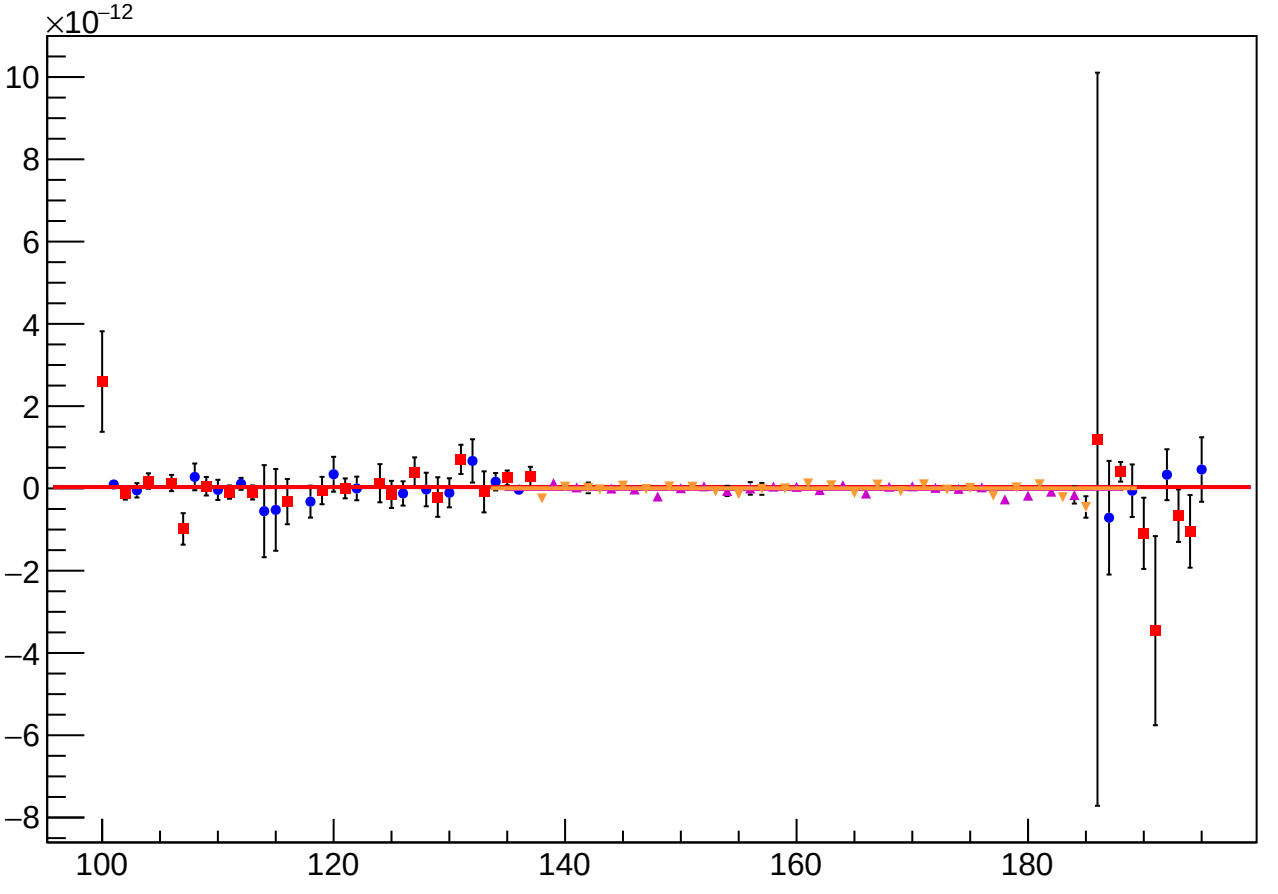
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2157.675+/-0.294 χ^2/NDF: 3877462.9/44

All: 2161.847+/-0.208 χ^2/NDF: 8643140.0/92

- sign 2166.073+/-0.295 χ^2/NDF: 4765270.4/47

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/24

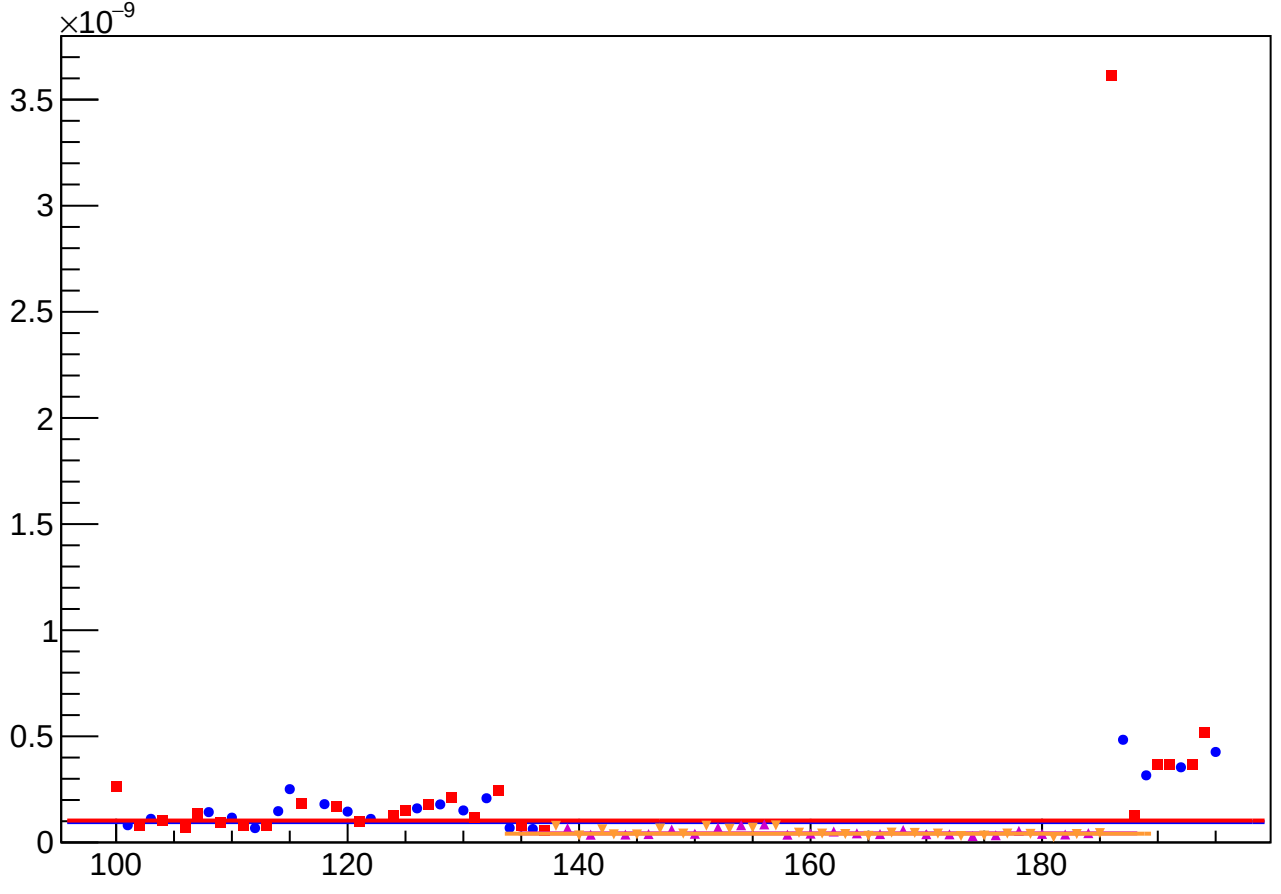
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/44

All: -0.000+/-0.000 χ^2/NDF: 93.5/92

- sign -0.000+/-0.000 χ^2/NDF: 53.7/47

asym_sam4_reg_vs_cor_diff_rms vs Slug



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: 2195083.6/24

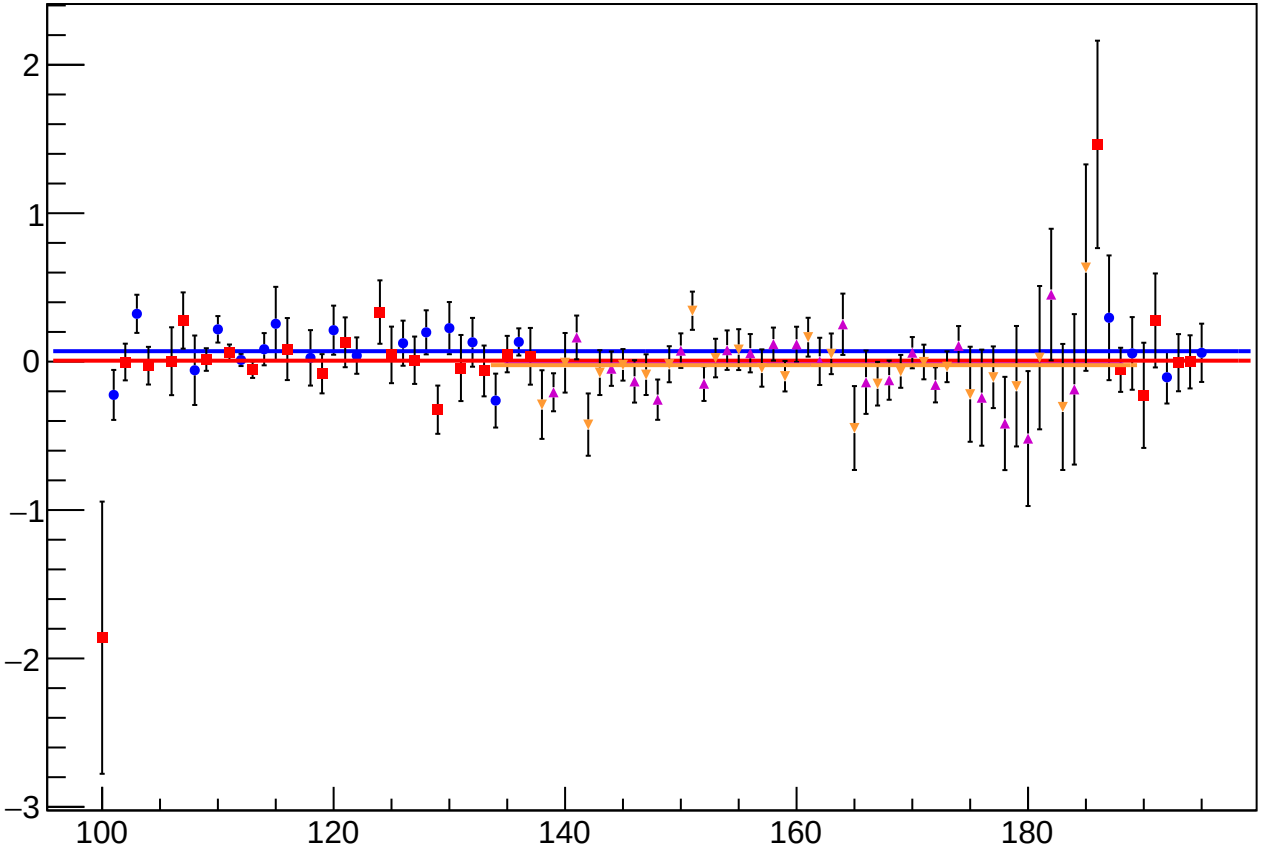
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5292414.0/44

All: 0.000+/-0.000 χ^2/NDF: 10710627.6/92

- sign 0.000+/-0.000 χ^2/NDF: 5394845.6/47

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: 0.006+/-0.026 χ^2/NDF: 22.1/24

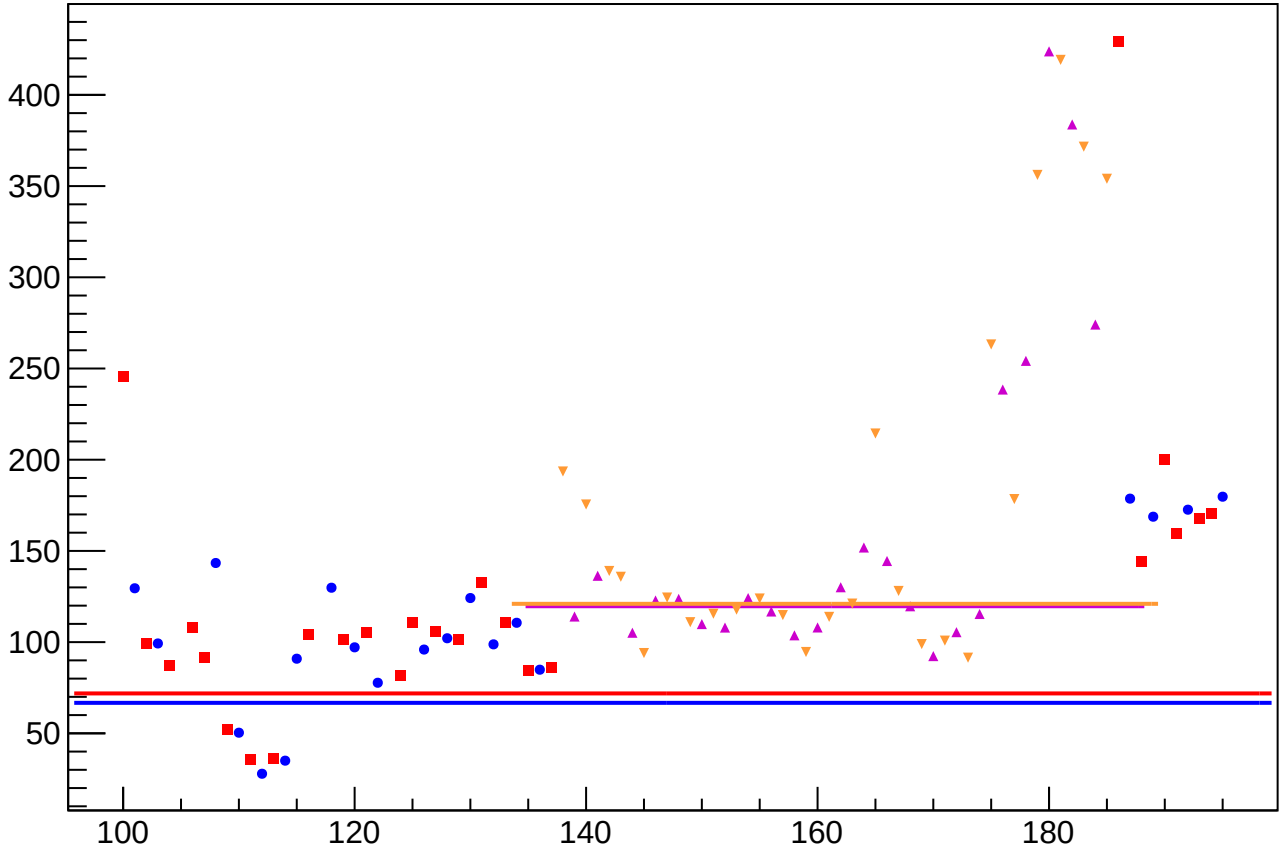
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.012+/-0.014 χ^2/NDF: 95.0/92

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

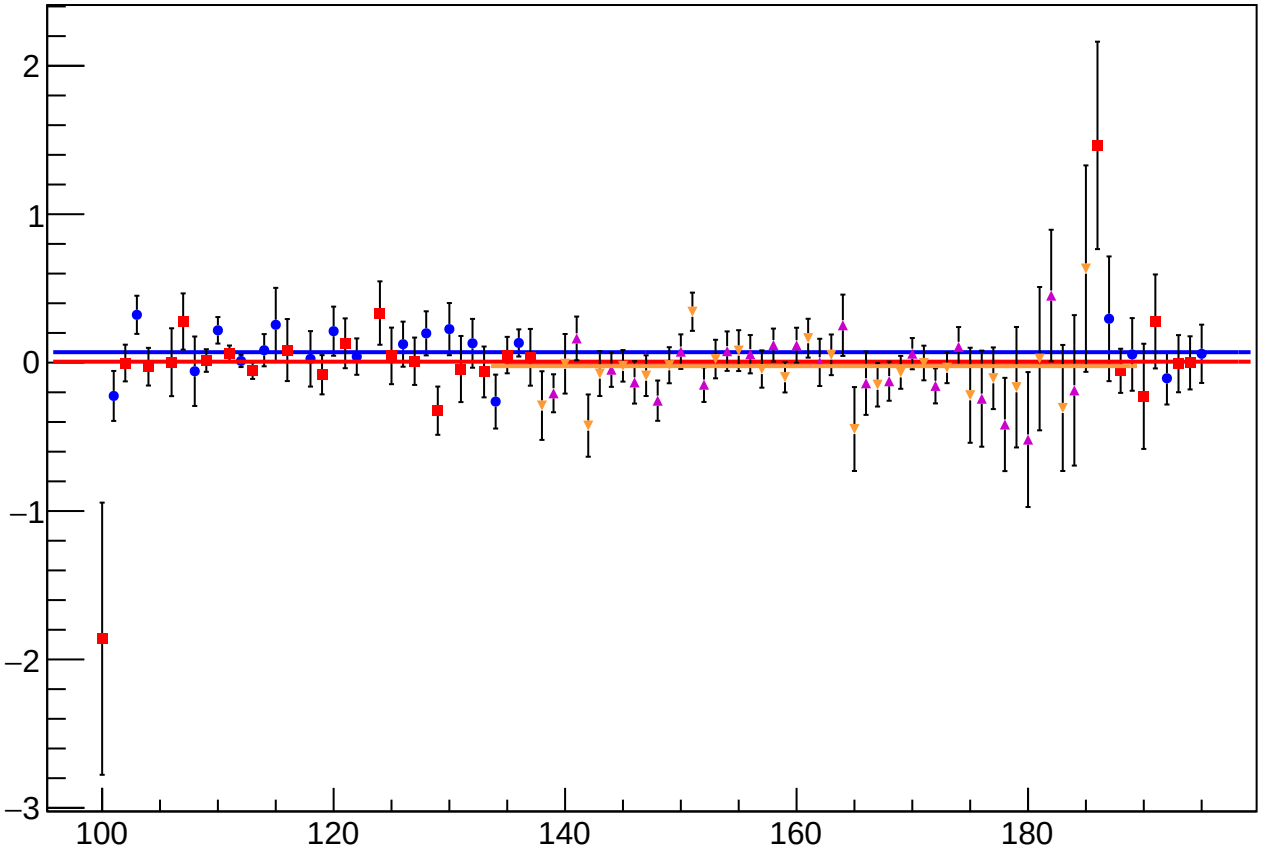
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 90.345+/-0.014 χ^2/NDF: 13333714.0/44

All: 91.153+/-0.010 χ^2/NDF: 24442424.7/92

- sign 91.948+/-0.014 χ^2/NDF: 11102061.6/47

asym_sam4_dit_vs_eigen_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: 0.006+/-0.026 χ^2/NDF: 22.1/24

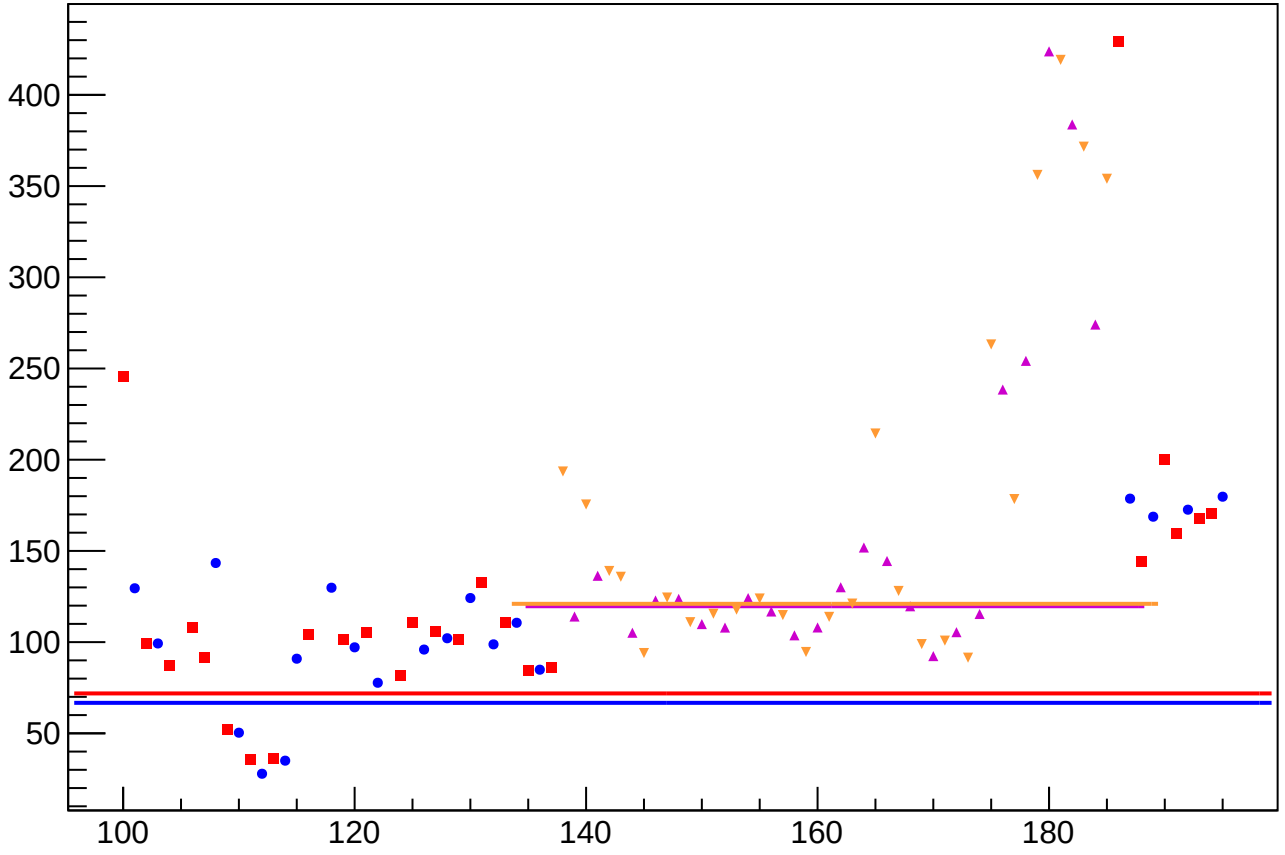
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.012+/-0.014 χ^2/NDF: 95.0/92

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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

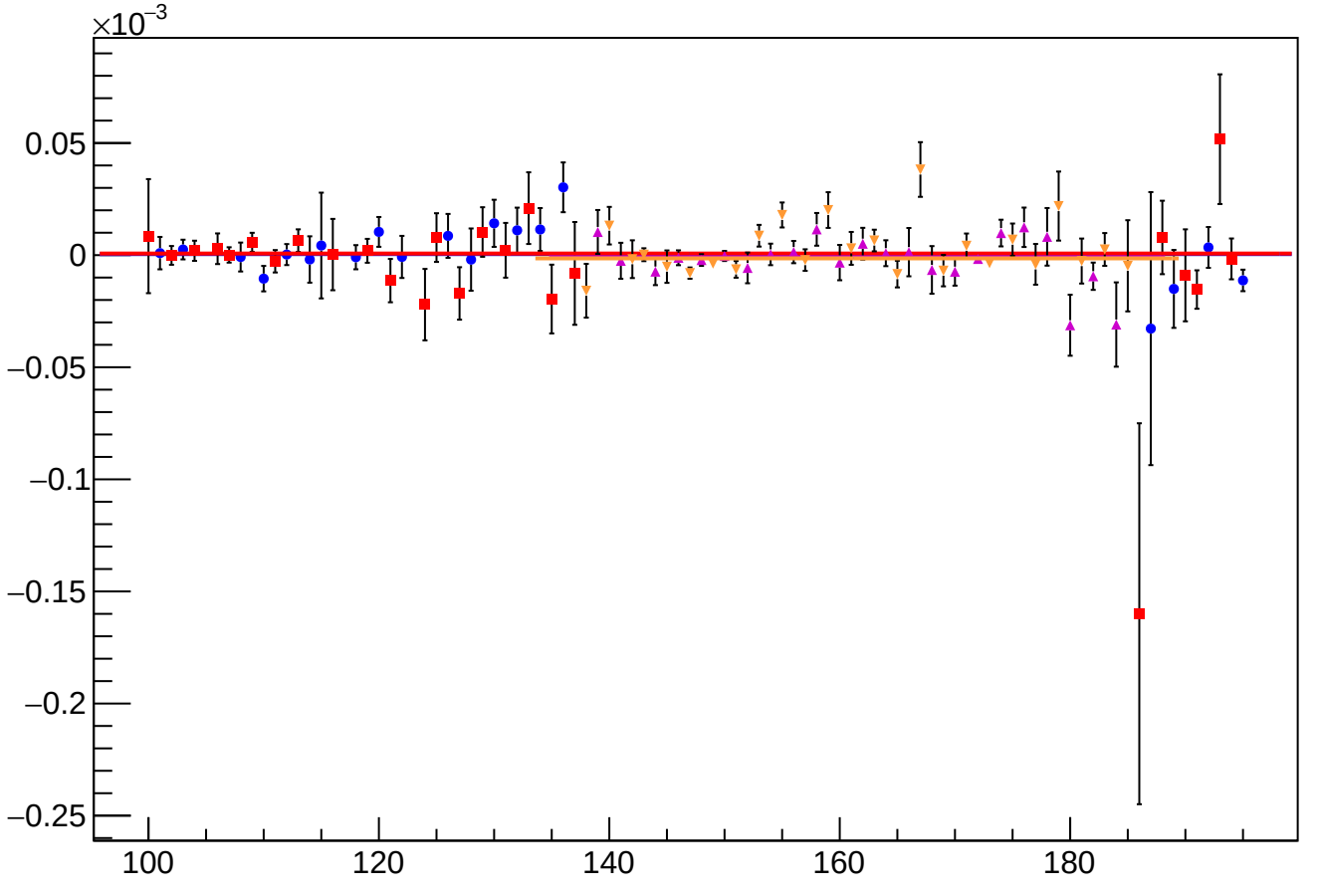
Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 90.345+/-0.014 χ^2/NDF: 13333714.0/44

All: 91.153+/-0.010 χ^2/NDF: 24442424.7/92

- sign 91.948+/-0.014 χ^2/NDF: 11102061.6/47



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: 24.9/24

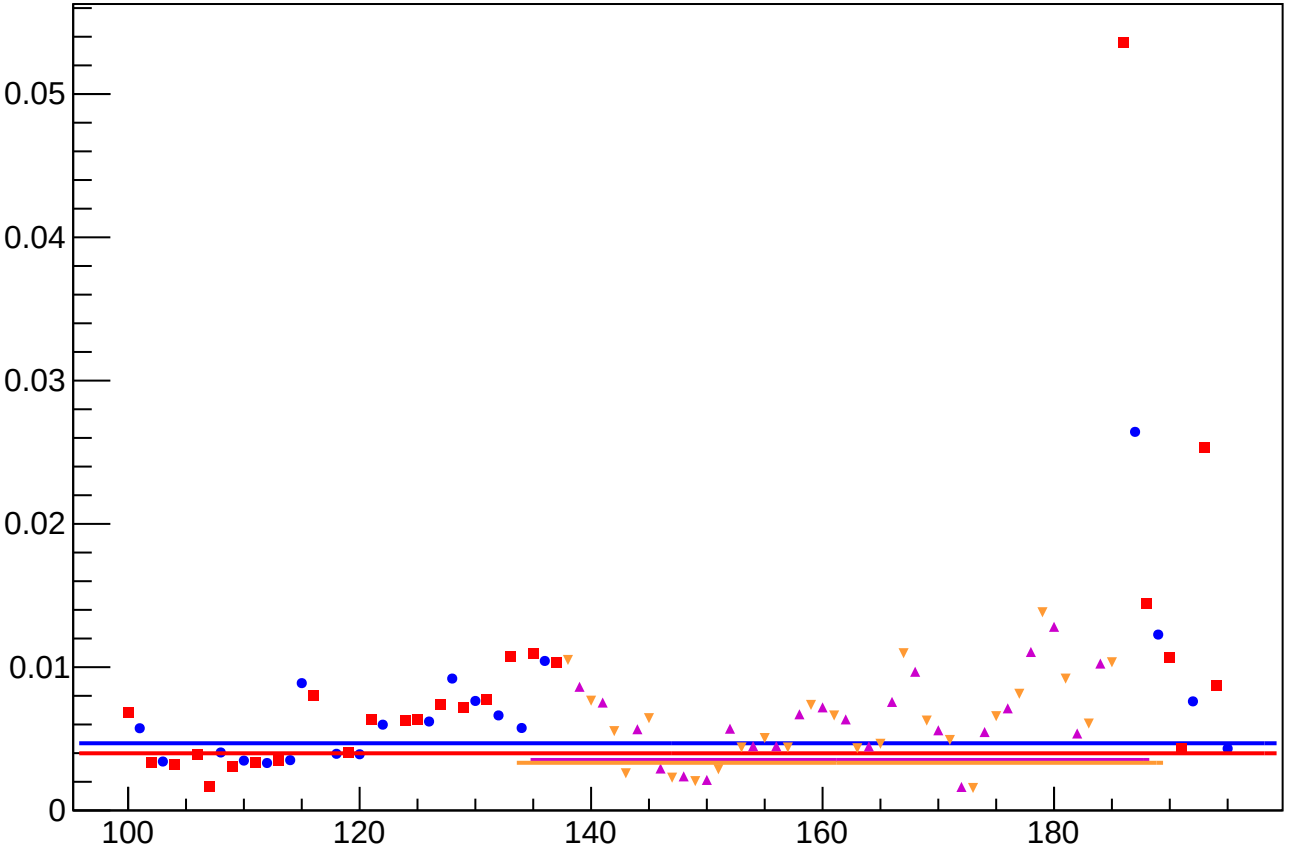
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/44

All: -0.000+/-0.000 χ^2/NDF: 137.6/92

- sign -0.000+/-0.000 χ^2/NDF: 50.3/47

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: 6374364.3/24

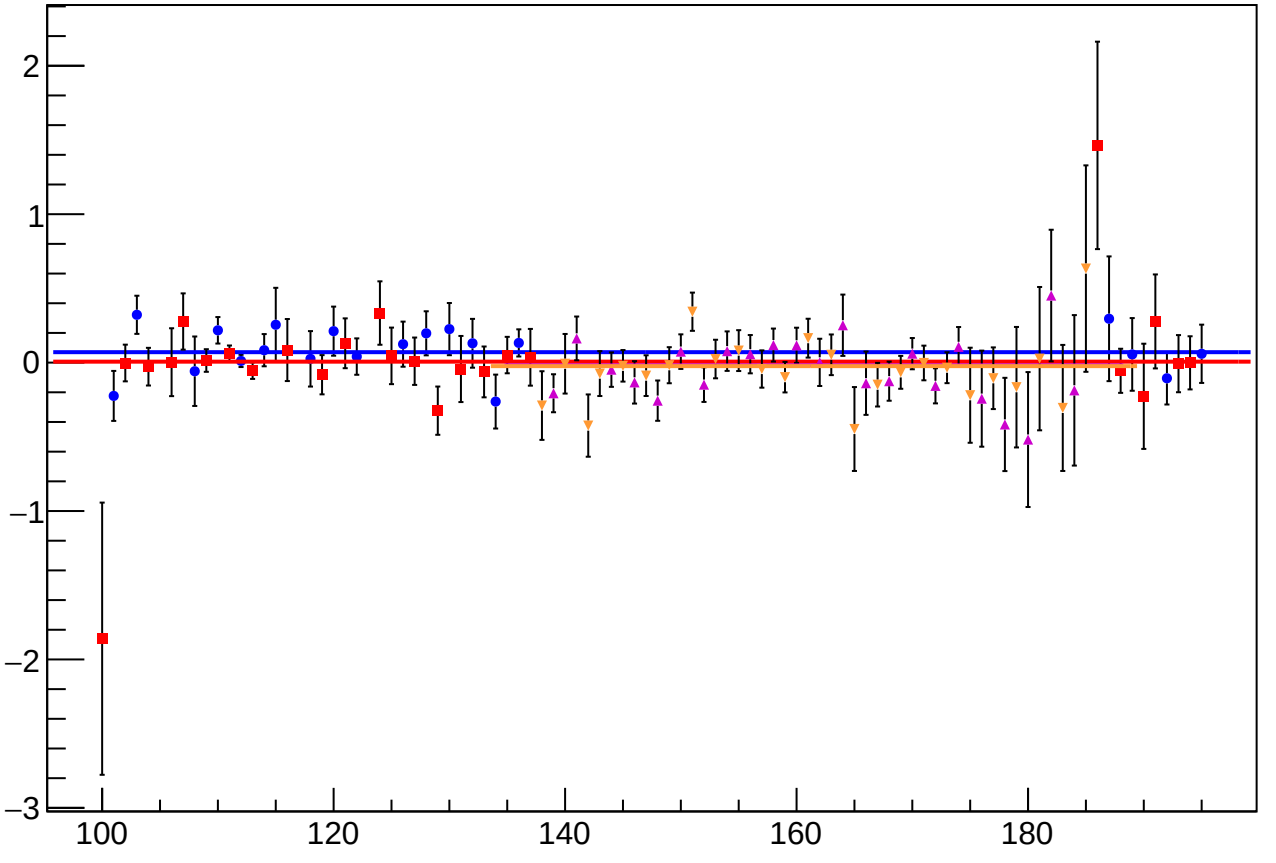
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 14119790.7/44

All: 0.004+/-0.000 χ^2/NDF: 30064160.5/92

- sign 0.004+/-0.000 χ^2/NDF: 15942788.5/47

asym_sam4_eigen_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: 0.006+/-0.026 χ^2/NDF: 22.1/24

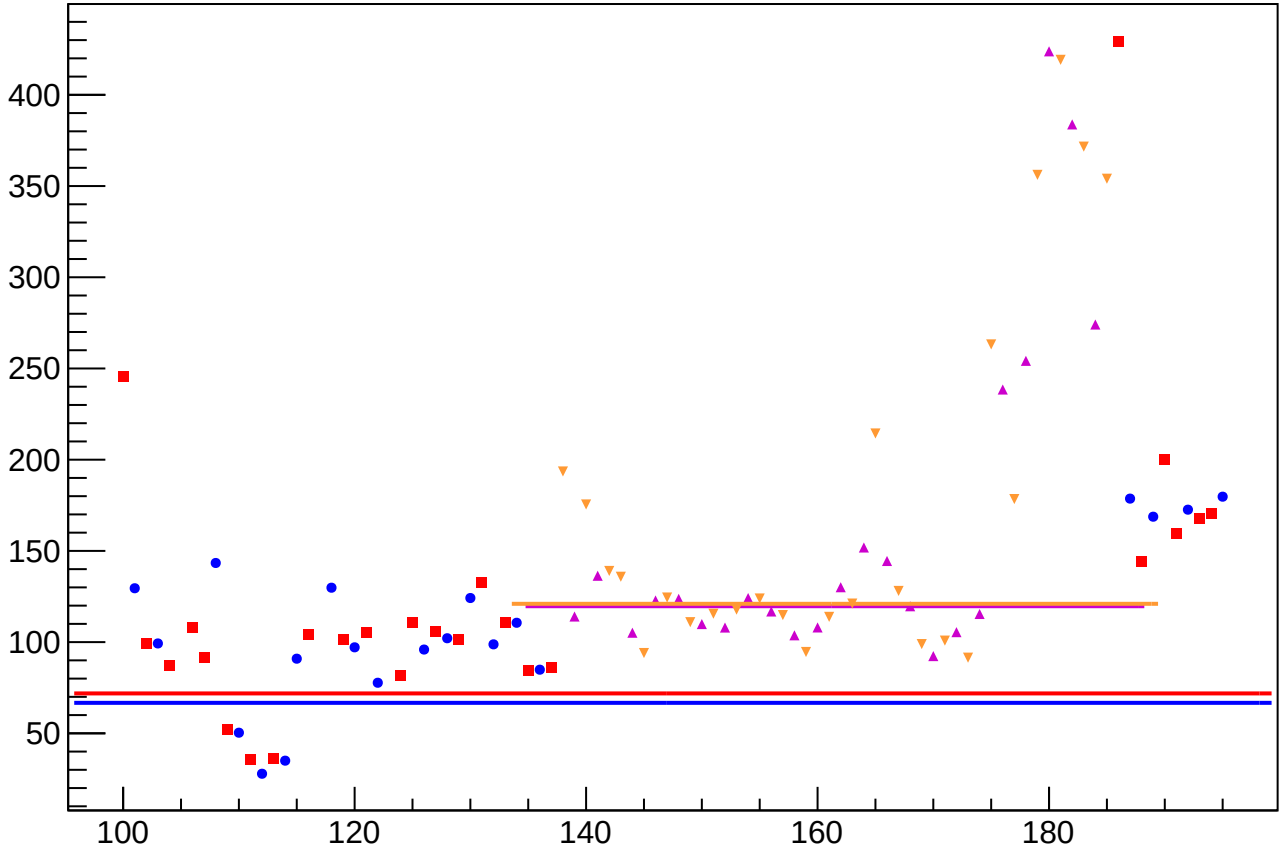
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.013+/-0.014 χ^2/NDF: 95.0/92

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

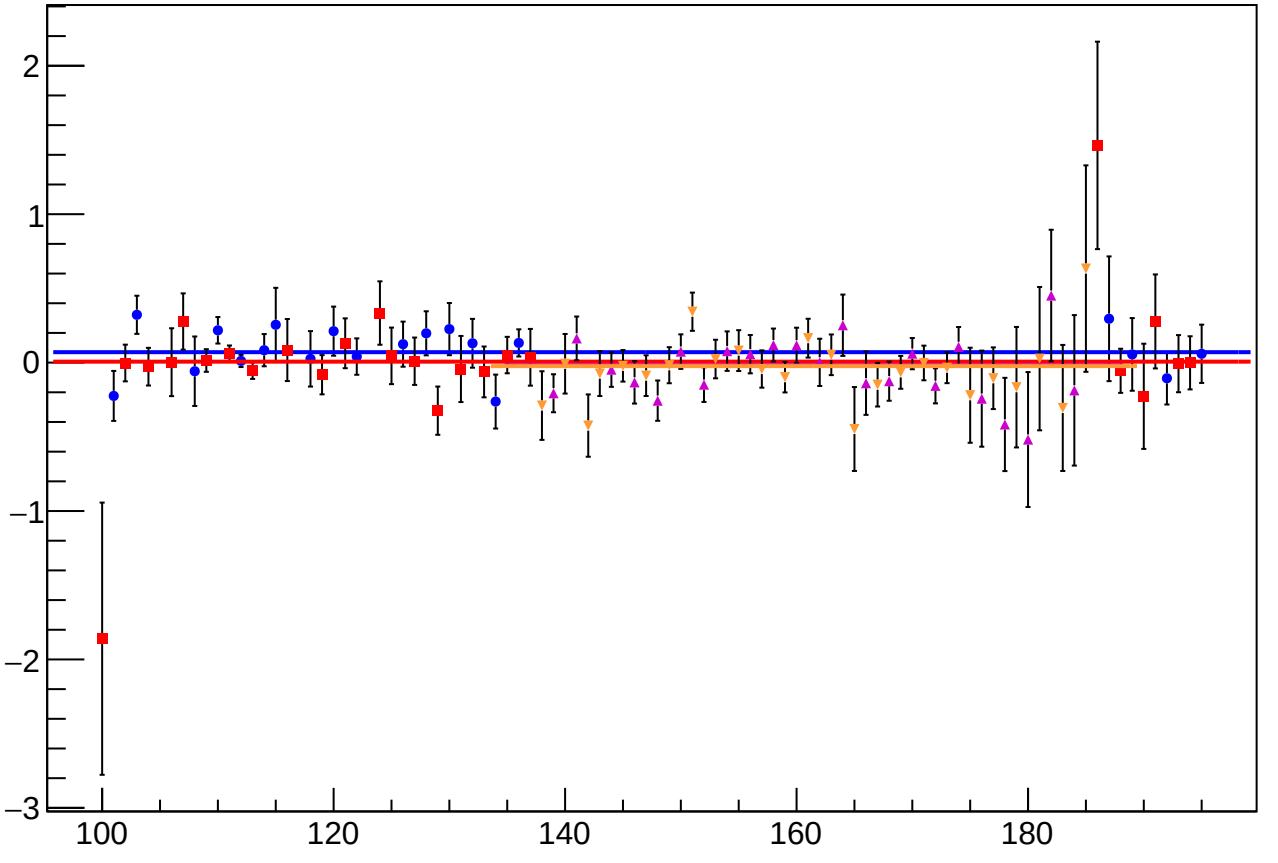
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 90.344+/-0.014 χ^2/NDF: 13334448.6/44

All: 91.151+/-0.010 χ^2/NDF: 24443807.1/92

- sign 91.947+/-0.014 χ^2/NDF: 11102706.5/47

asym_sam4_eigen_dit_vs_eigen_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: 0.006+/-0.026 χ^2/NDF: 22.1/24

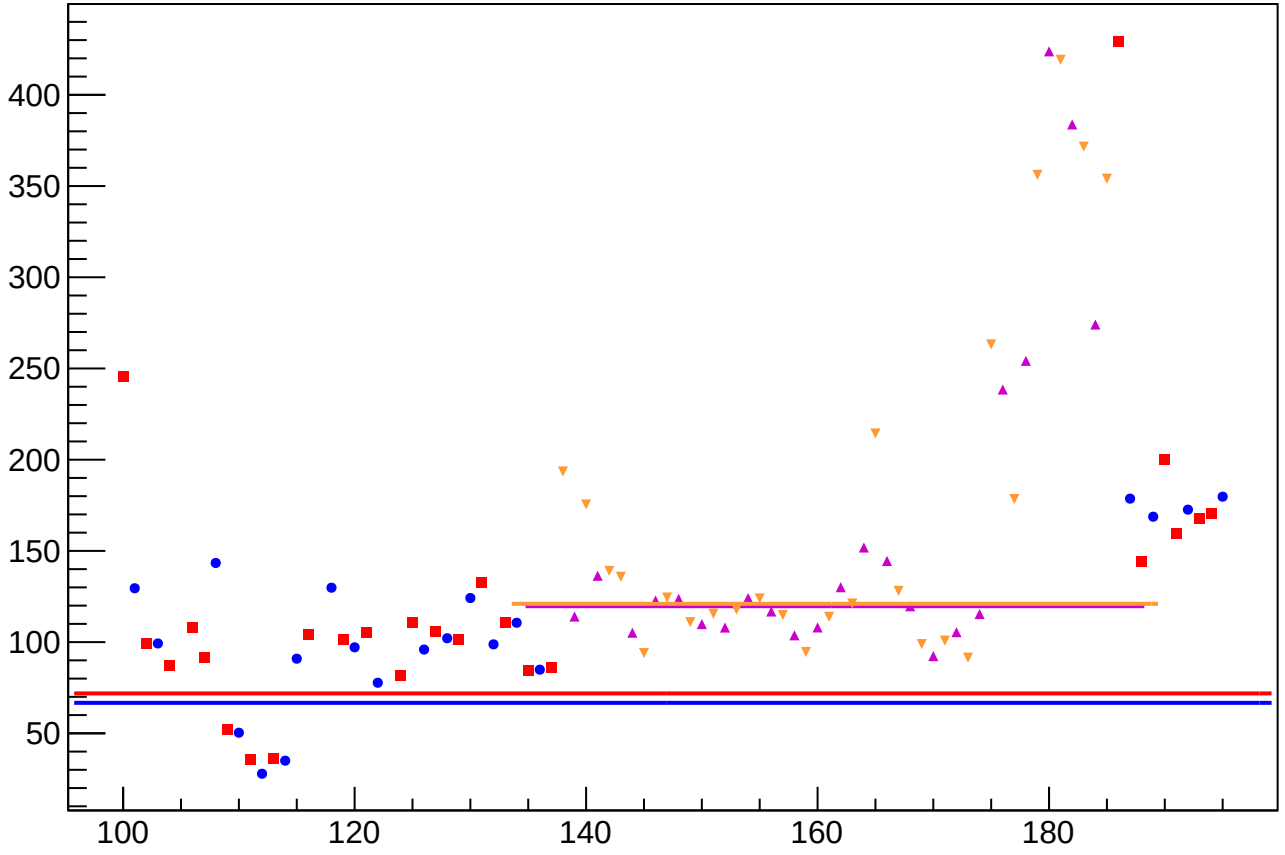
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.1/44

All: 0.013+/-0.014 χ^2/NDF: 95.0/92

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

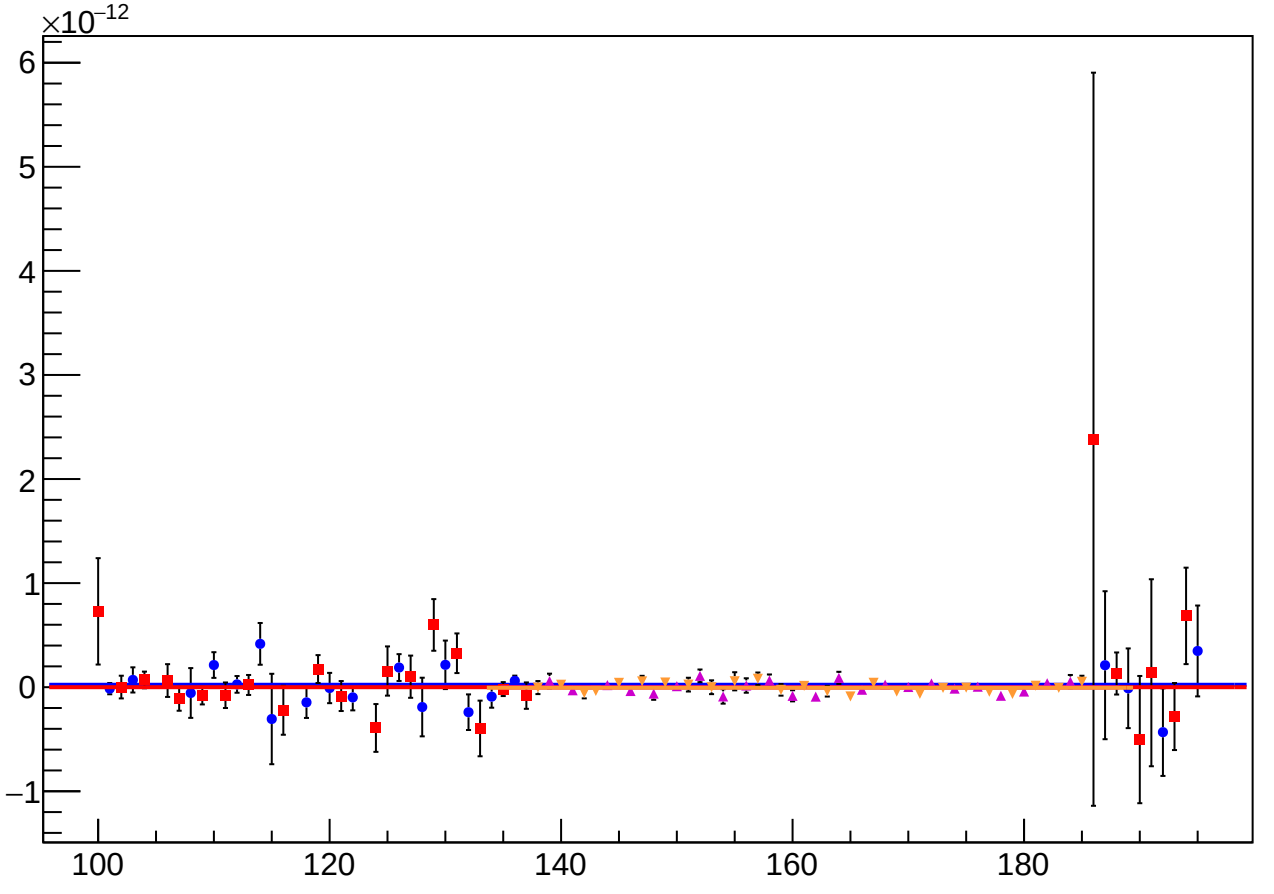
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 90.344+/-0.014 χ^2/NDF: 13334448.6/44

All: 91.151+/-0.010 χ^2/NDF: 24443807.1/92

- sign 91.947+/-0.014 χ^2/NDF: 11102706.5/47

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



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: 27.7/24

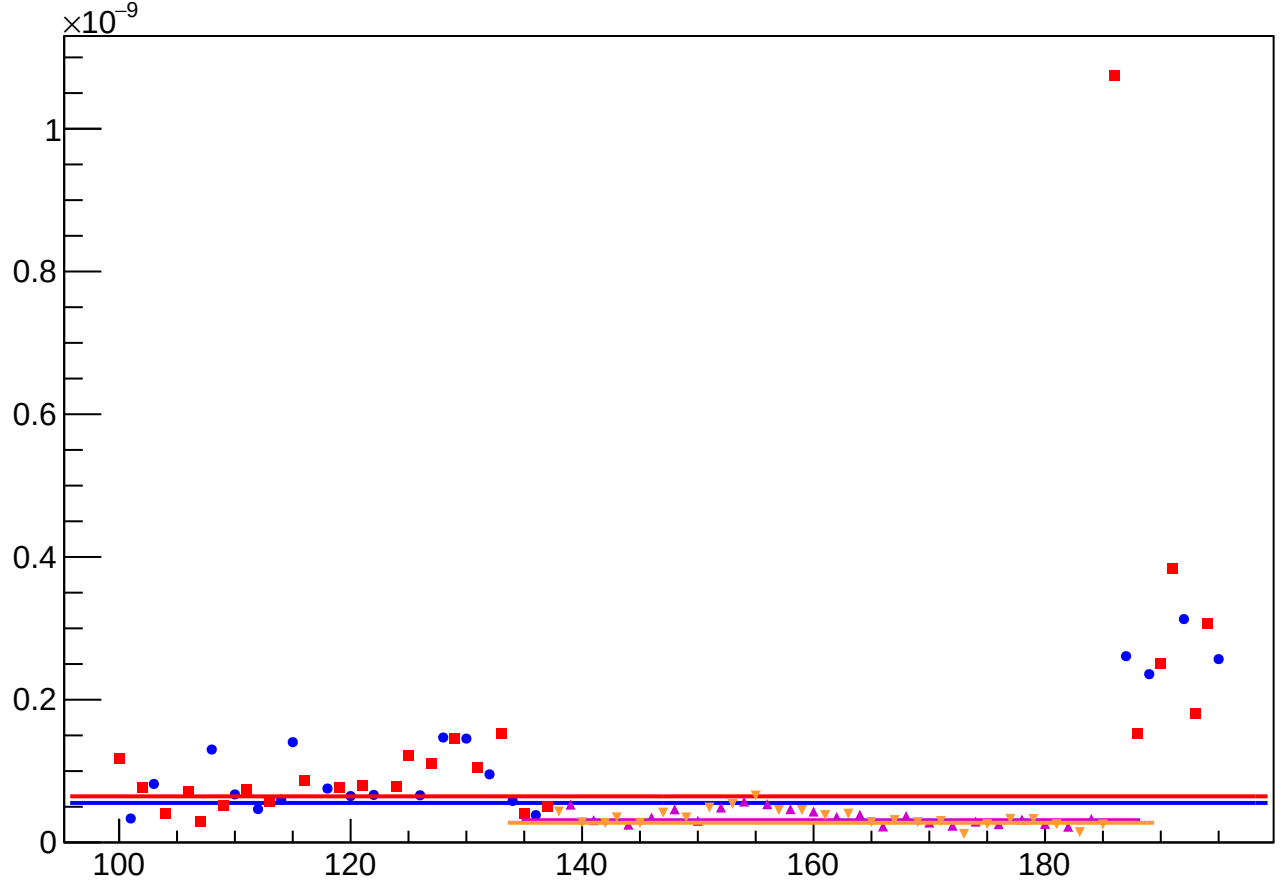
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/44

All: -0.000+/-0.000 χ^2/NDF: 97.3/92

- sign -0.000+/-0.000 χ^2/NDF: 55.3/47

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: 3375342.3/24

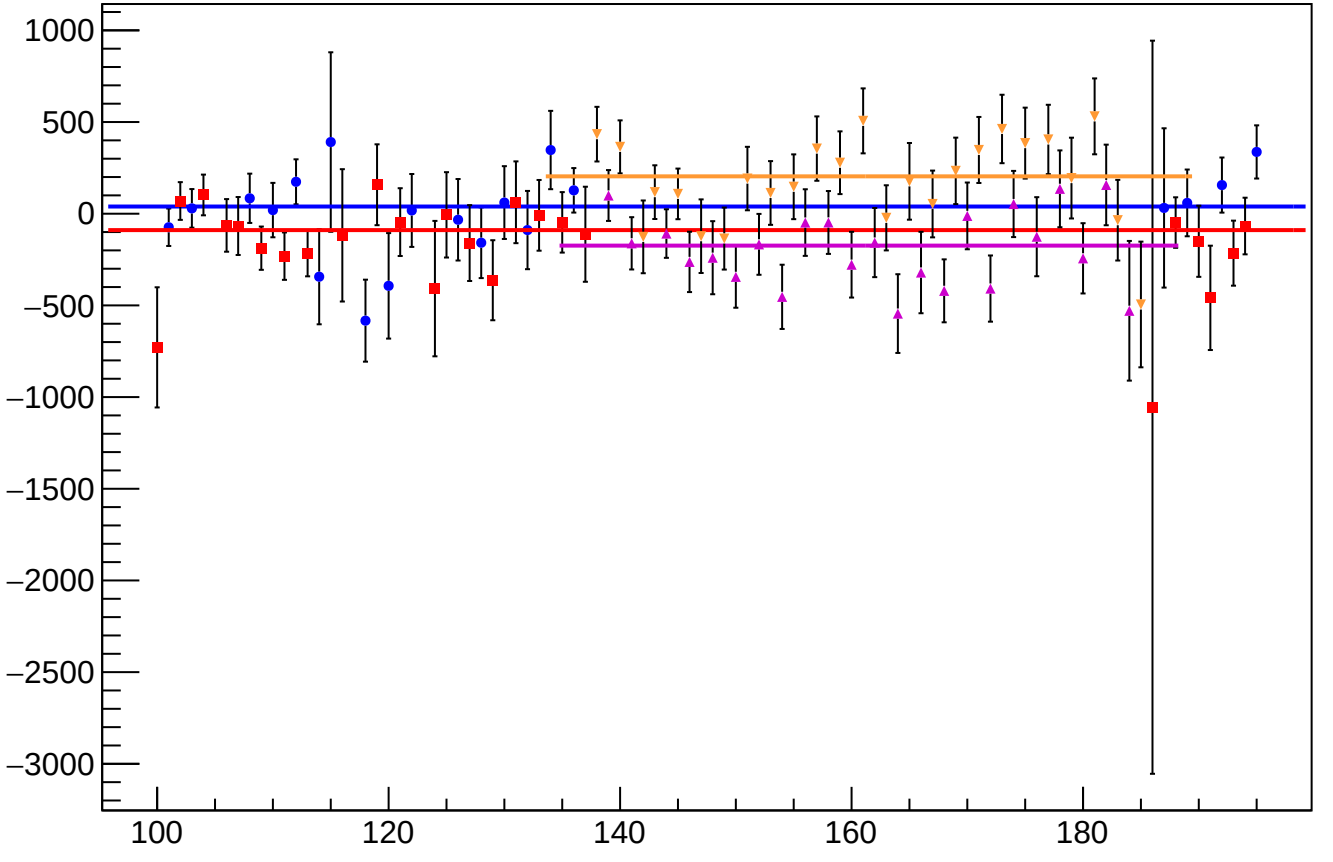
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9237137.6/44

All: 0.000+/-0.000 χ^2/NDF: 17342896.2/92

- sign 0.000+/-0.000 χ^2/NDF: 7848932.7/47

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: -89.403+/-34.068 χ^2/NDF: 19.4/24

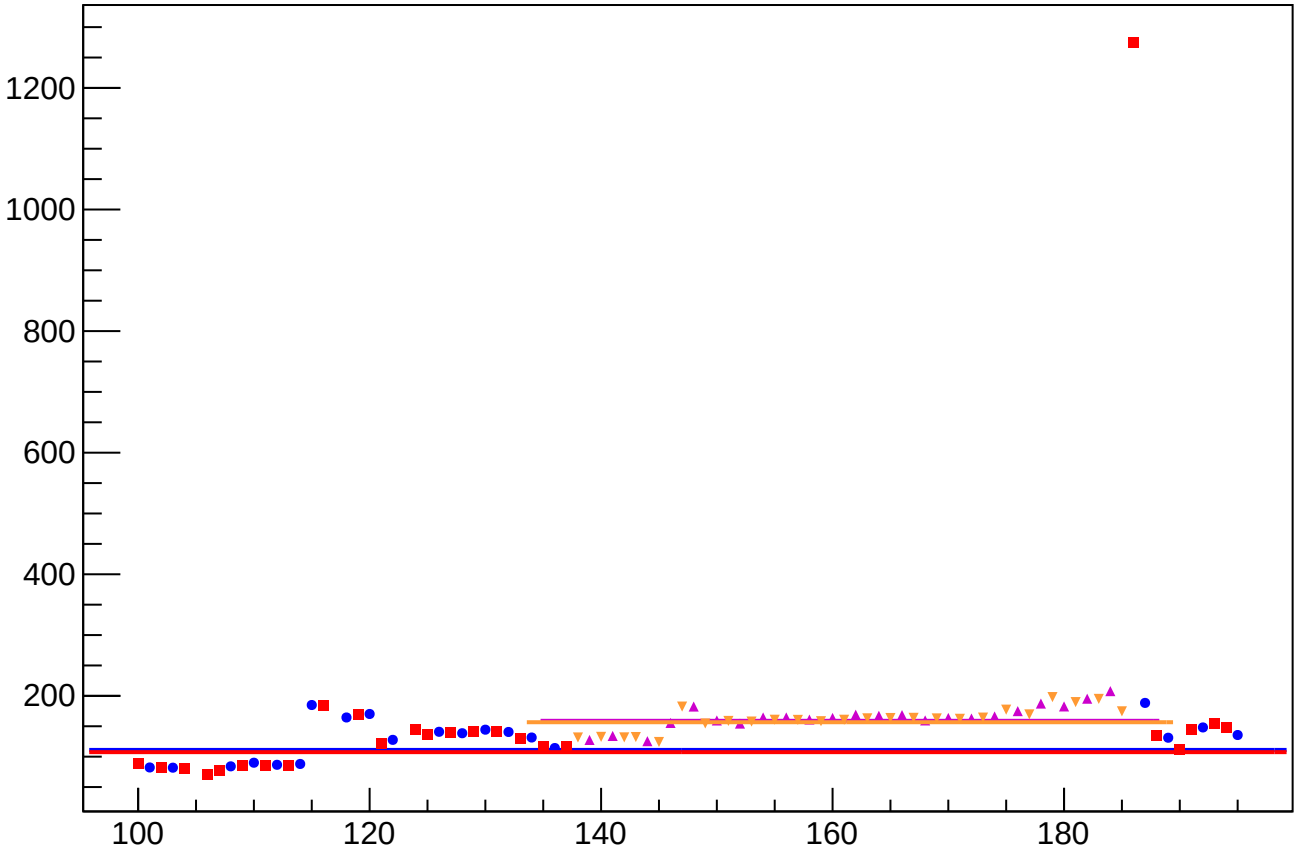
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 123.400+/-25.664 χ^2/NDF: 67.4/44

All: -4.528+/-17.976 χ^2/NDF: 162.9/92

- sign -127.749+/-25.187 χ^2/NDF: 46.7/47

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: 107.424+/-0.024 χ^2/NDF: 2203898.0/24

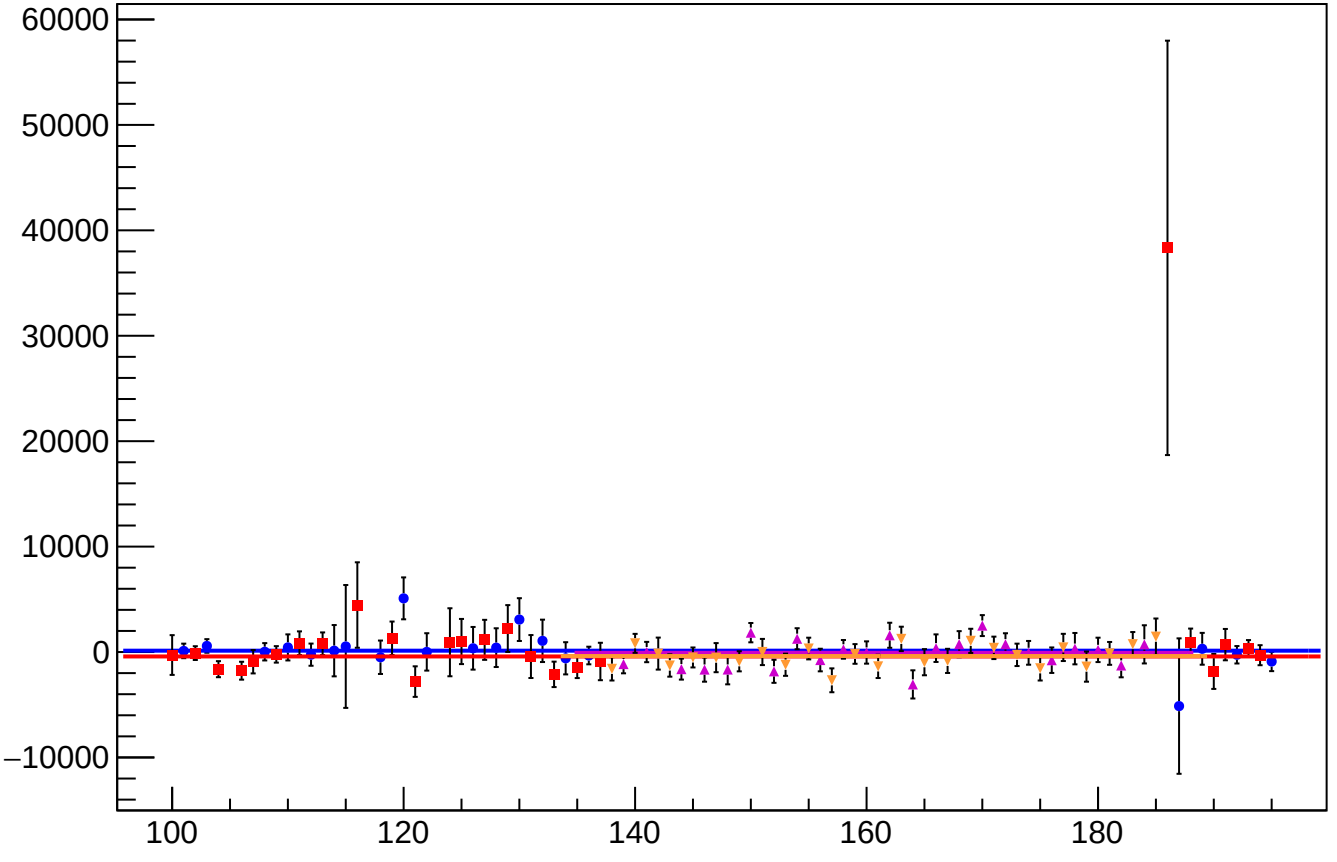
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401995.3/44

All: 132.555+/-0.013 χ^2/NDF: 8211731.0/92

- sign 130.787+/-0.018 χ^2/NDF: 4789661.8/47

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: -419.896+/-236.827 χ^2/NDF: 26.3/24

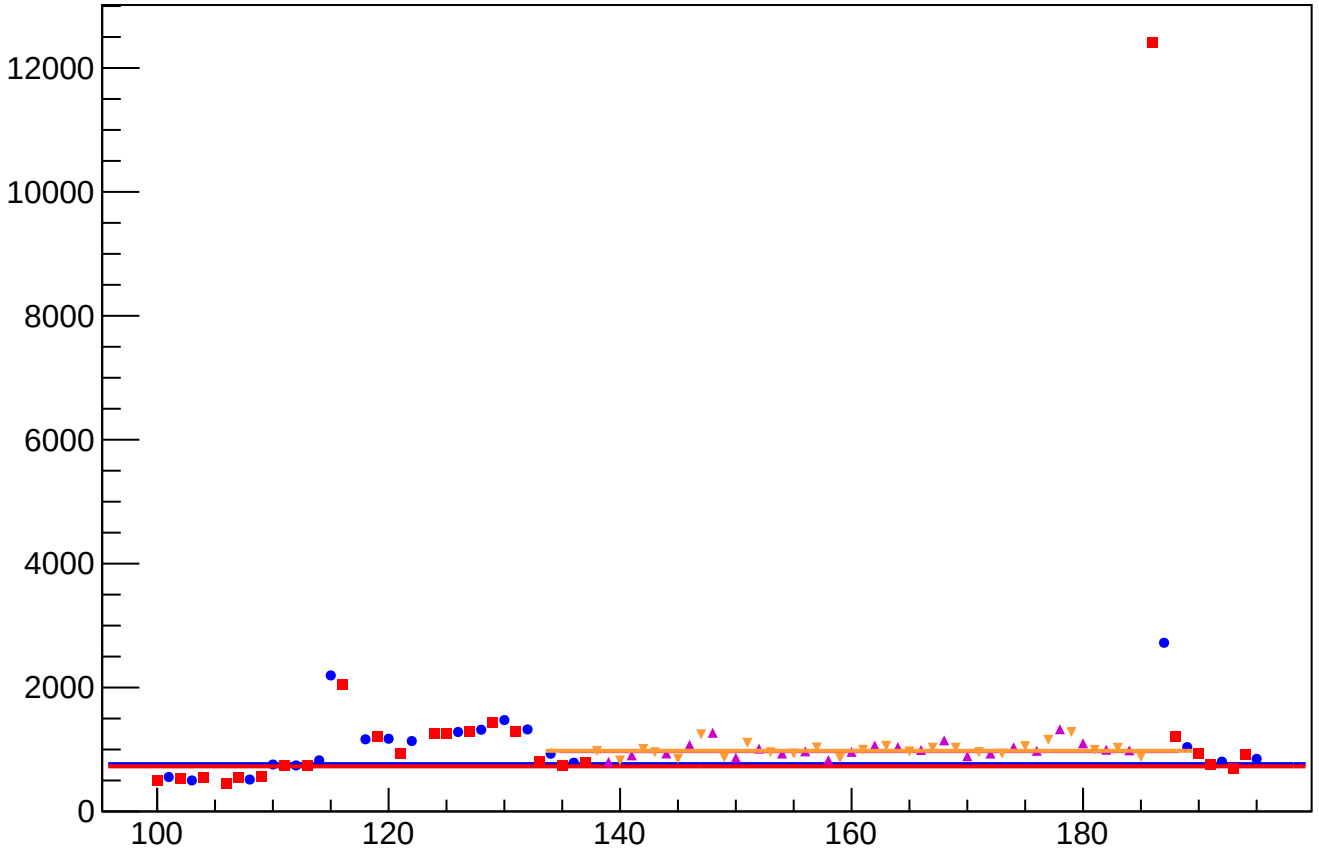
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -163.993+/-170.081 χ^2/NDF: 33.1/44

All: -204.177+/-118.397 χ^2/NDF: 93.7/92

- sign -241.958+/-164.917 χ^2/NDF: 60.5/47

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: 727.562+/-0.167 χ^2/NDF: 2970541.9/24

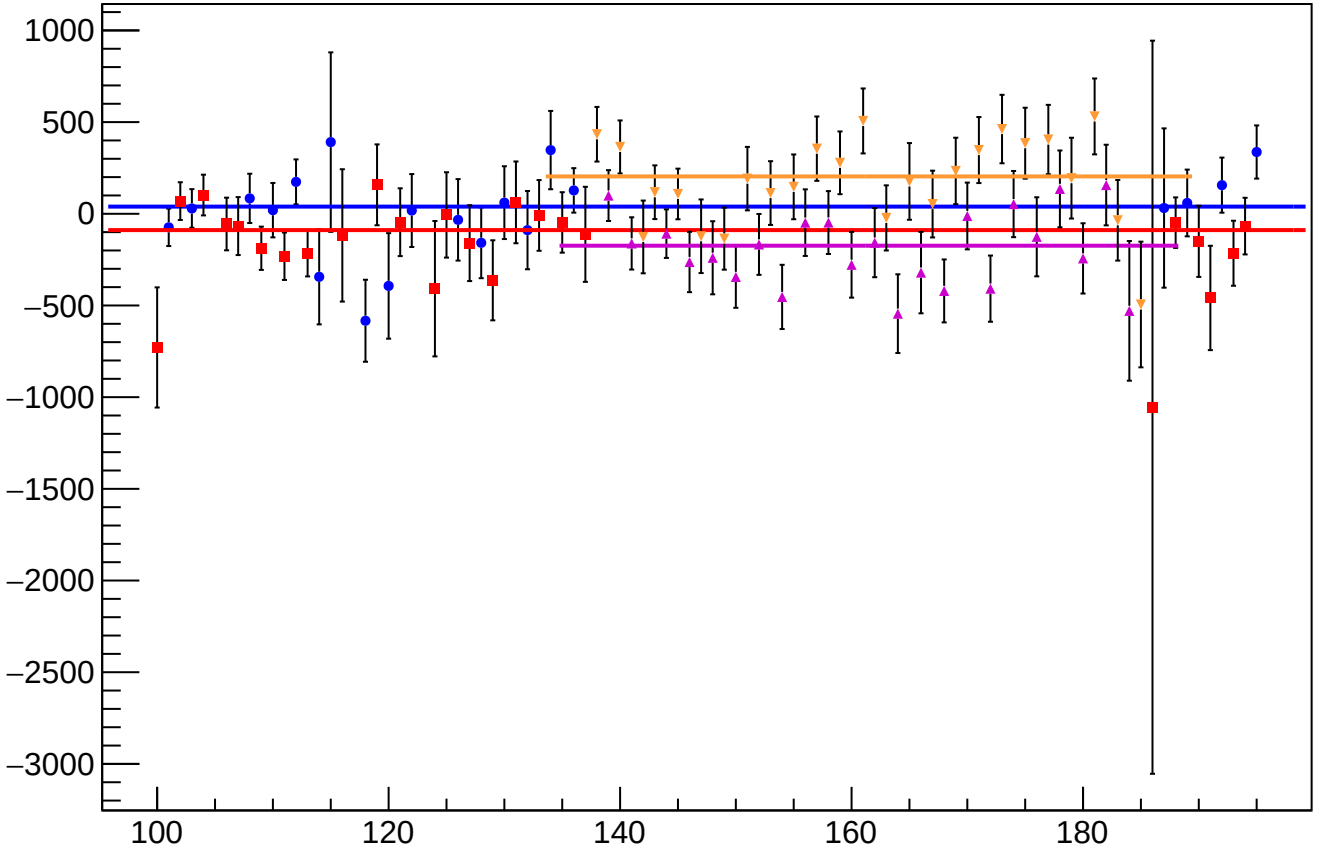
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346632.5/44

All: 870.464+/-0.084 χ^2/NDF: 7968746.7/92

- sign 854.404+/-0.117 χ^2/NDF: 4582975.9/47

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: -88.974+/-34.070 χ^2/NDF: 19.4/24

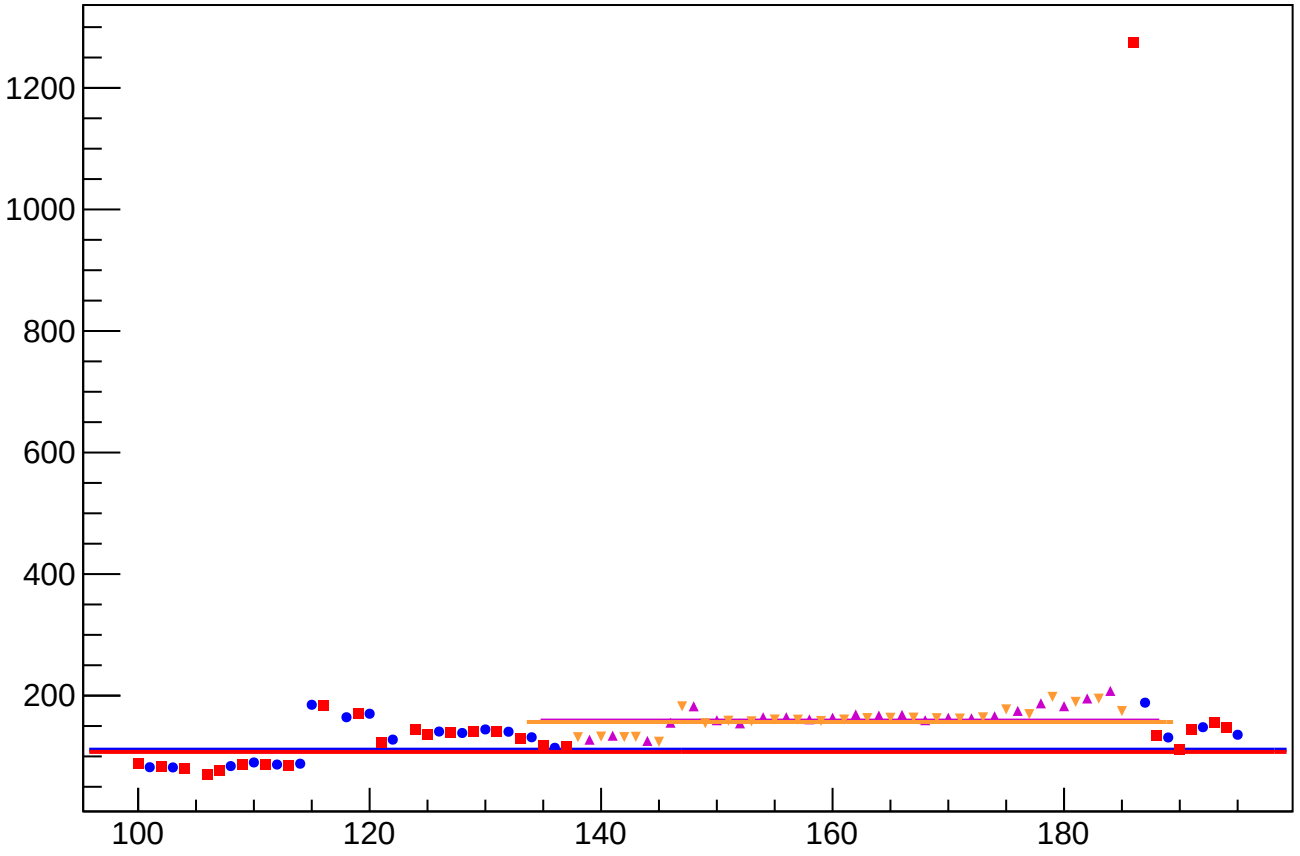
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.399+/-25.664 χ^2/NDF: 67.4/44

All: -4.407+/-17.976 χ^2/NDF: 162.8/92

- sign -127.518+/-25.188 χ^2/NDF: 46.8/47

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: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

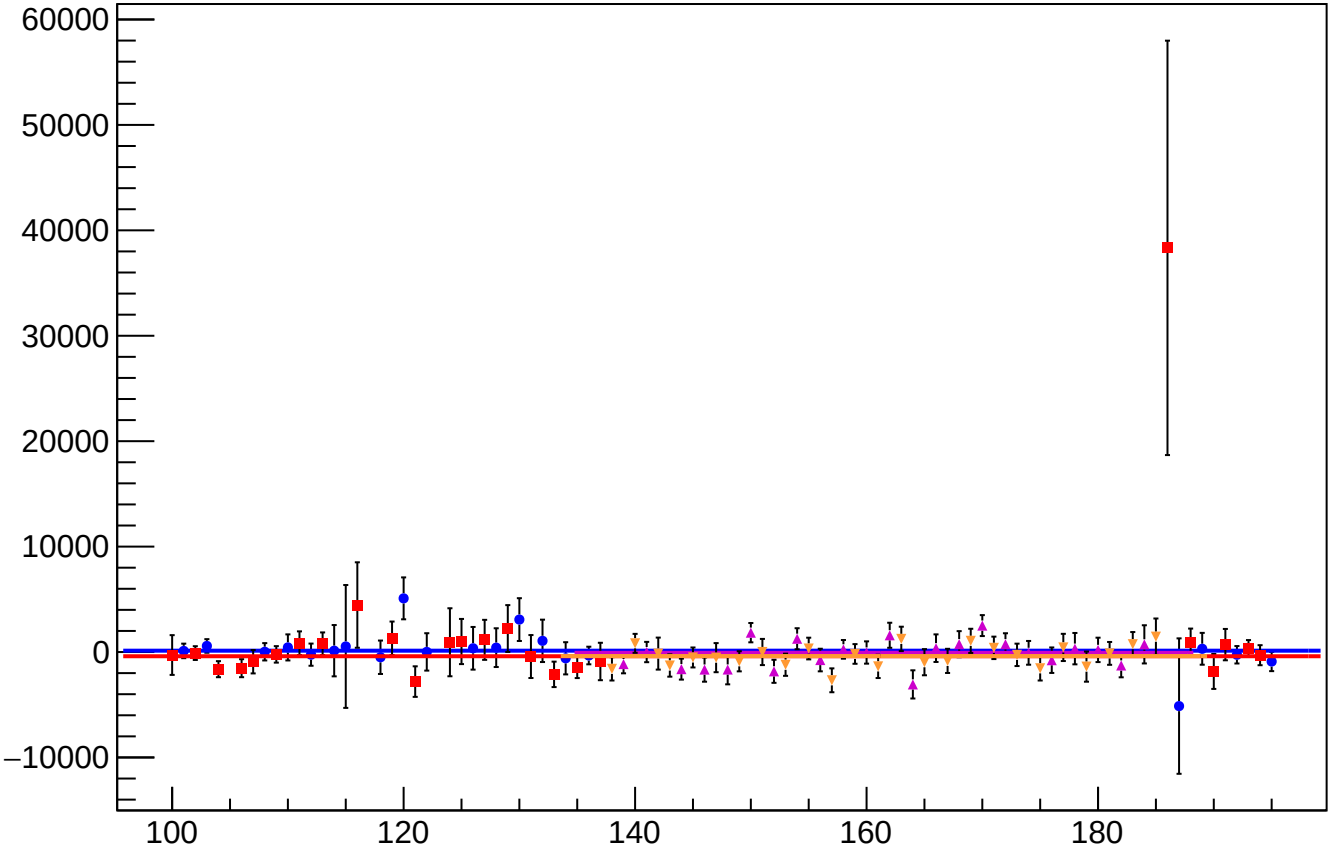
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401993.3/44

All: 132.551+/-0.013 χ^2/NDF: 8215899.1/92

- sign 130.779+/-0.018 χ^2/NDF: 4793736.5/47

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: -399.861+/-236.948 χ^2/NDF: 25.5/24

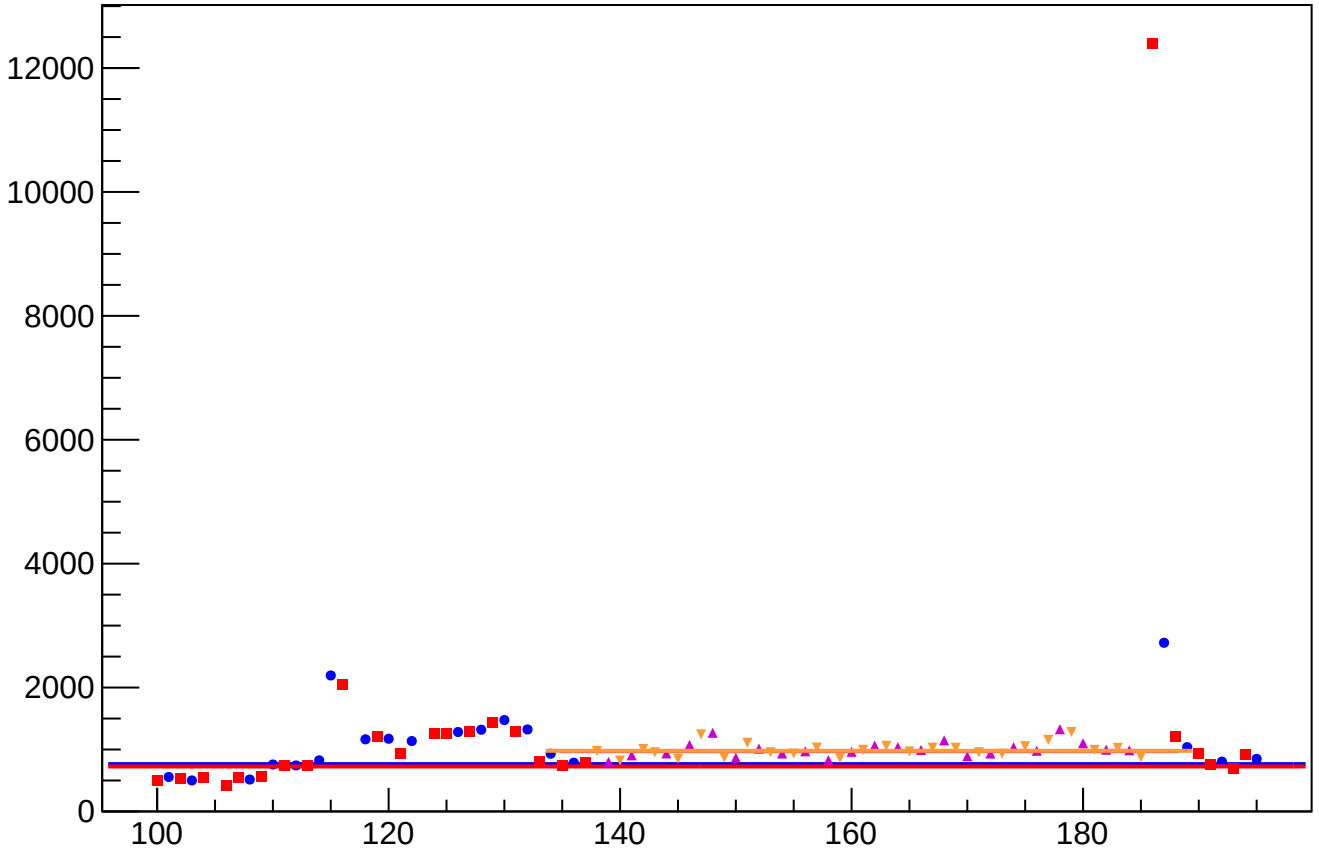
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -163.985+/-170.081 χ^2/NDF: 33.1/44

All: -199.114+/-118.412 χ^2/NDF: 92.7/92

- sign -232.159+/-164.958 χ^2/NDF: 59.5/47

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: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

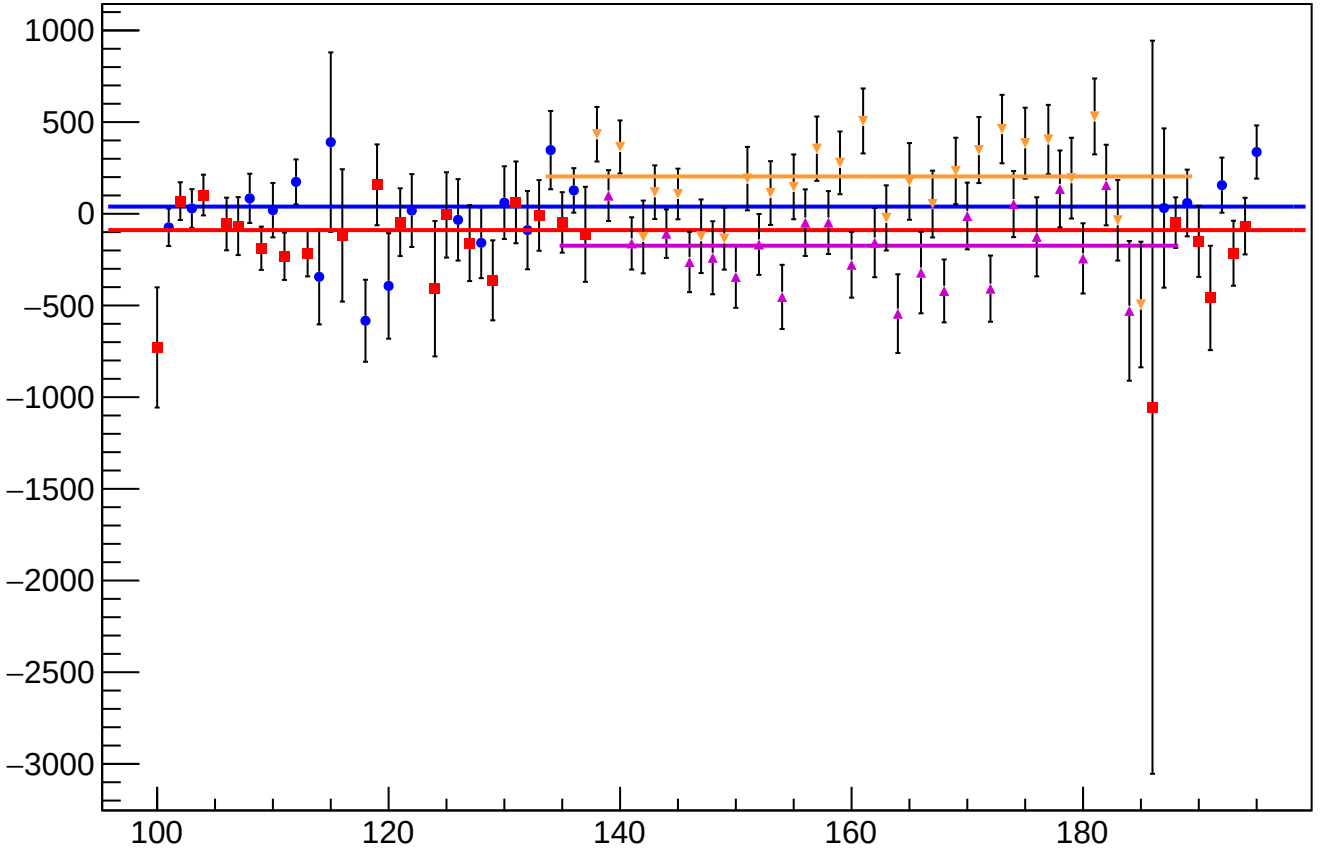
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346638.3/44

All: 870.101+/-0.084 χ^2/NDF: 8020382.1/92

- sign 853.693+/-0.117 χ^2/NDF: 4632917.0/47

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: -88.974+/-34.070 χ^2/NDF: 19.4/24

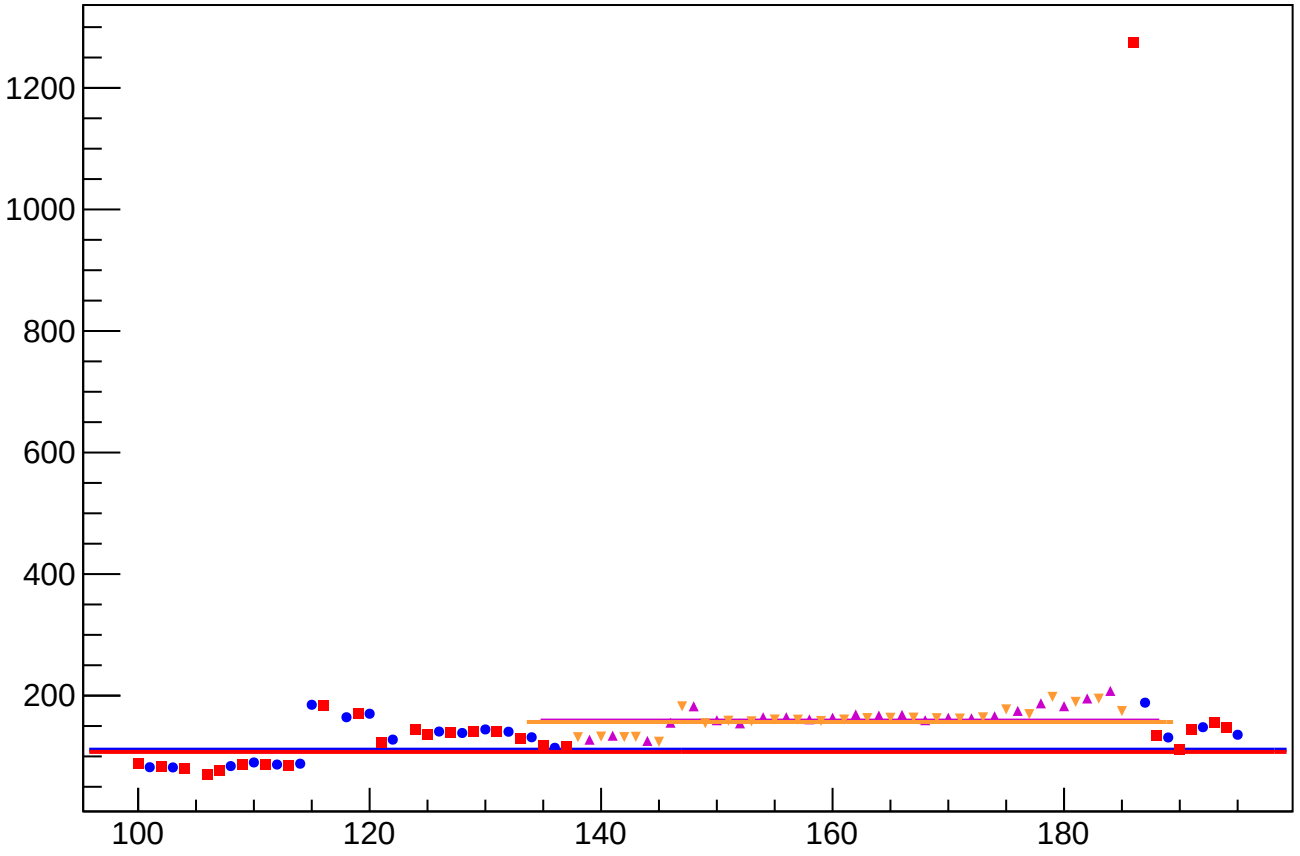
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.399+/-25.664 χ^2/NDF: 67.4/44

All: -4.407+/-17.976 χ^2/NDF: 162.8/92

- sign -127.518+/-25.188 χ^2/NDF: 46.8/47

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: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

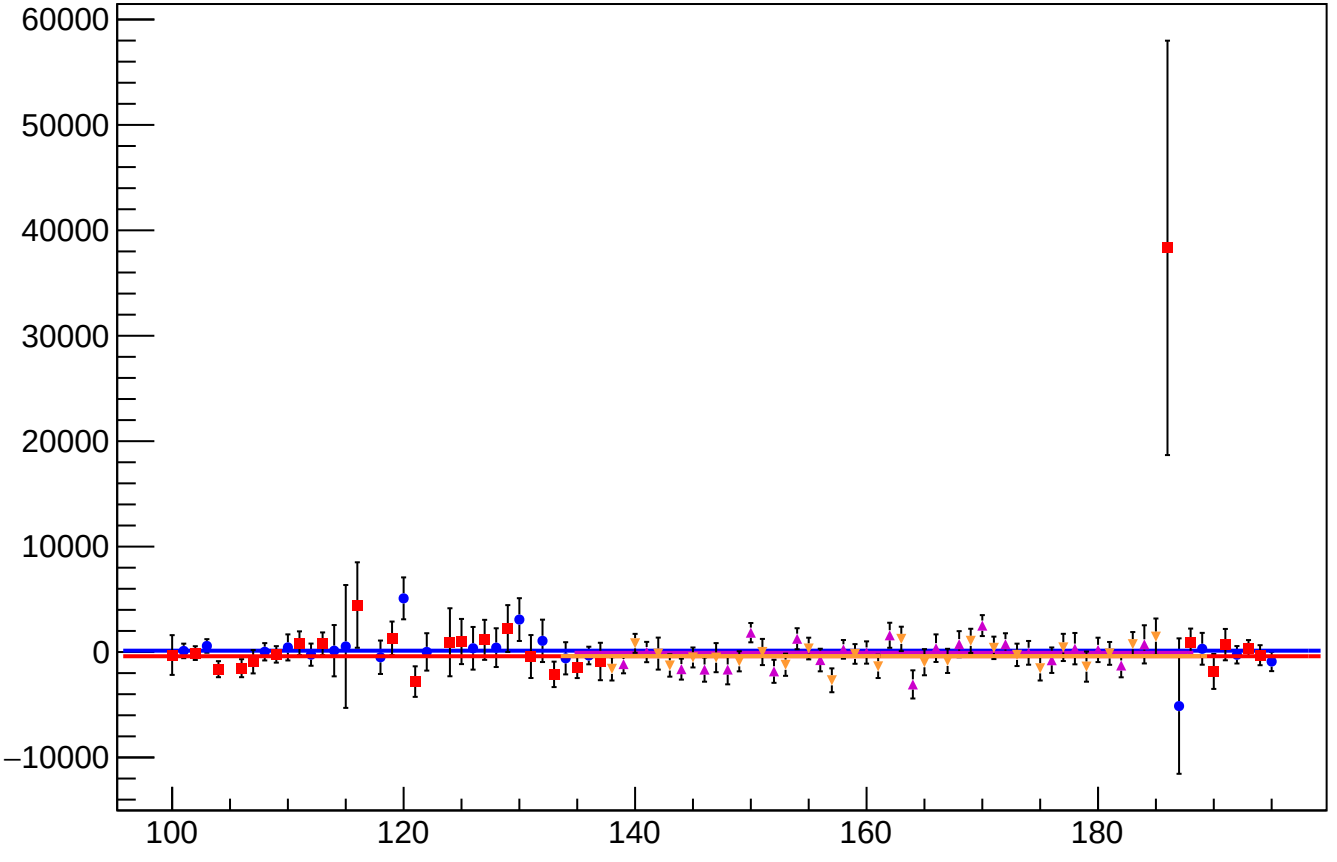
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.390+/-0.018 χ^2/NDF: 3401993.3/44

All: 132.551+/-0.013 χ^2/NDF: 8215899.1/92

- sign 130.779+/-0.018 χ^2/NDF: 4793736.5/47

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: -399.861+/-236.948 χ^2/NDF: 25.5/24

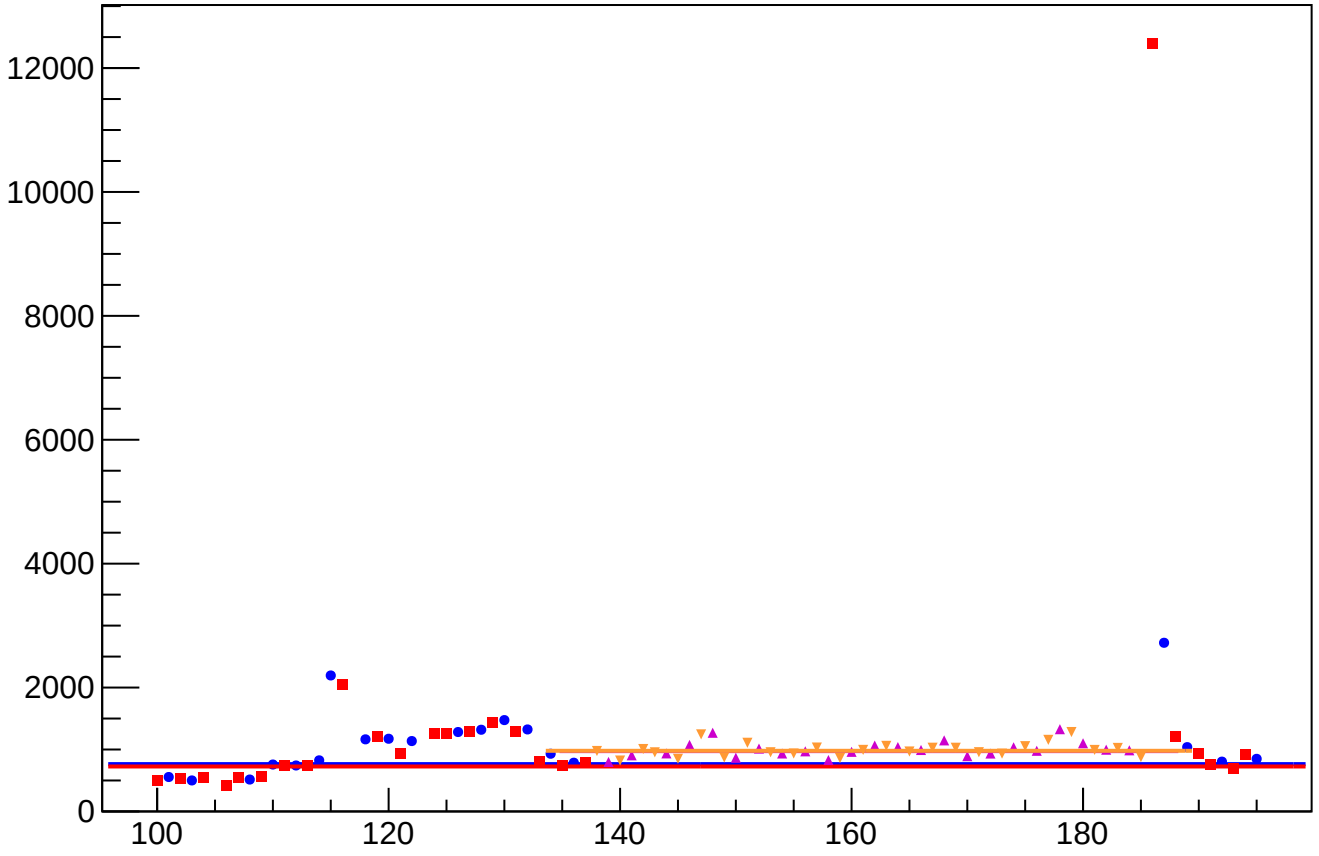
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -163.985+/-170.081 χ^2/NDF: 33.1/44

All: -199.114+/-118.412 χ^2/NDF: 92.7/92

- sign -232.159+/-164.958 χ^2/NDF: 59.5/47

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: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

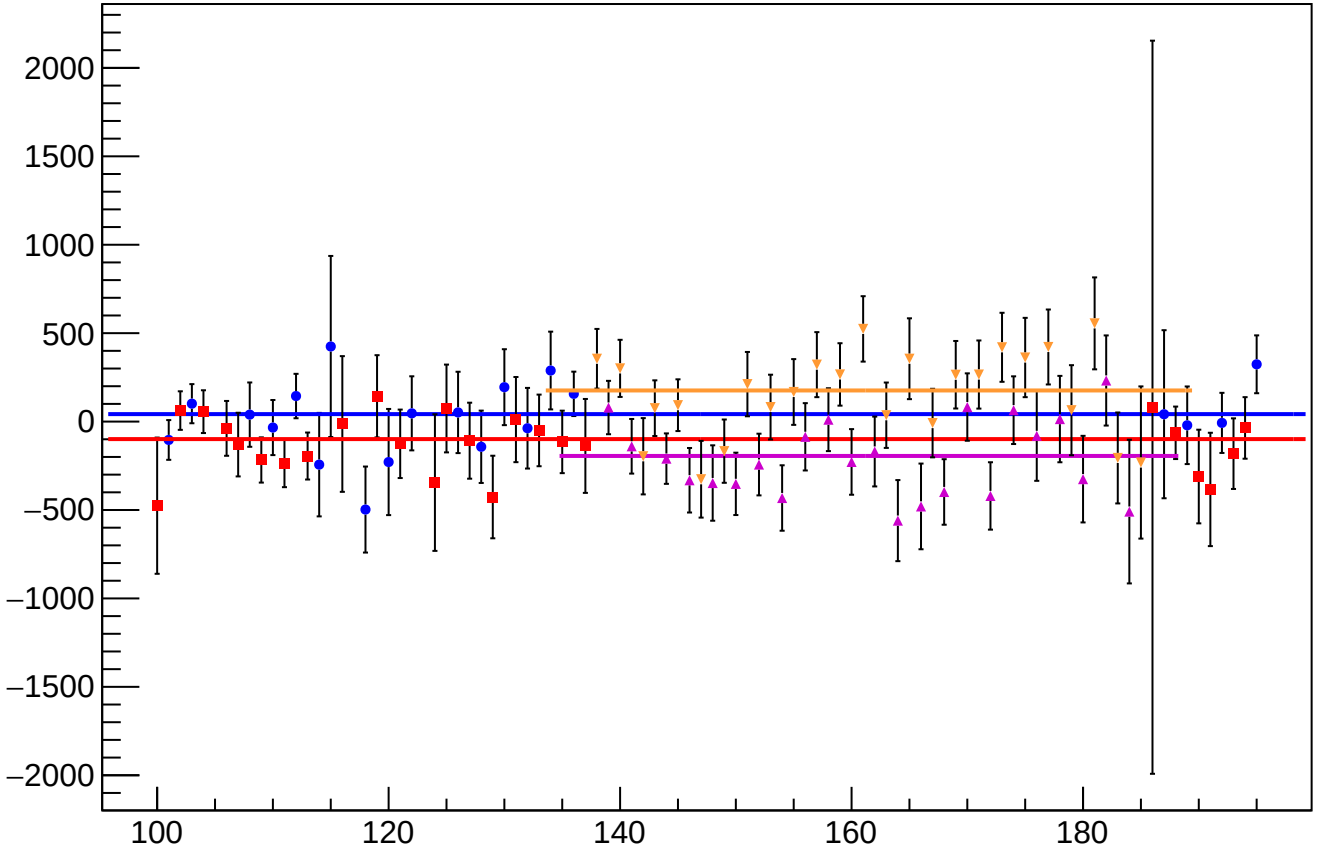
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 887.545+/-0.120 χ^2/NDF: 3346638.3/44

All: 870.101+/-0.084 χ^2/NDF: 8020382.1/92

- sign 853.693+/-0.117 χ^2/NDF: 4632917.0/47

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: -99.015+/-36.855 χ^2/NDF: 13.5/24

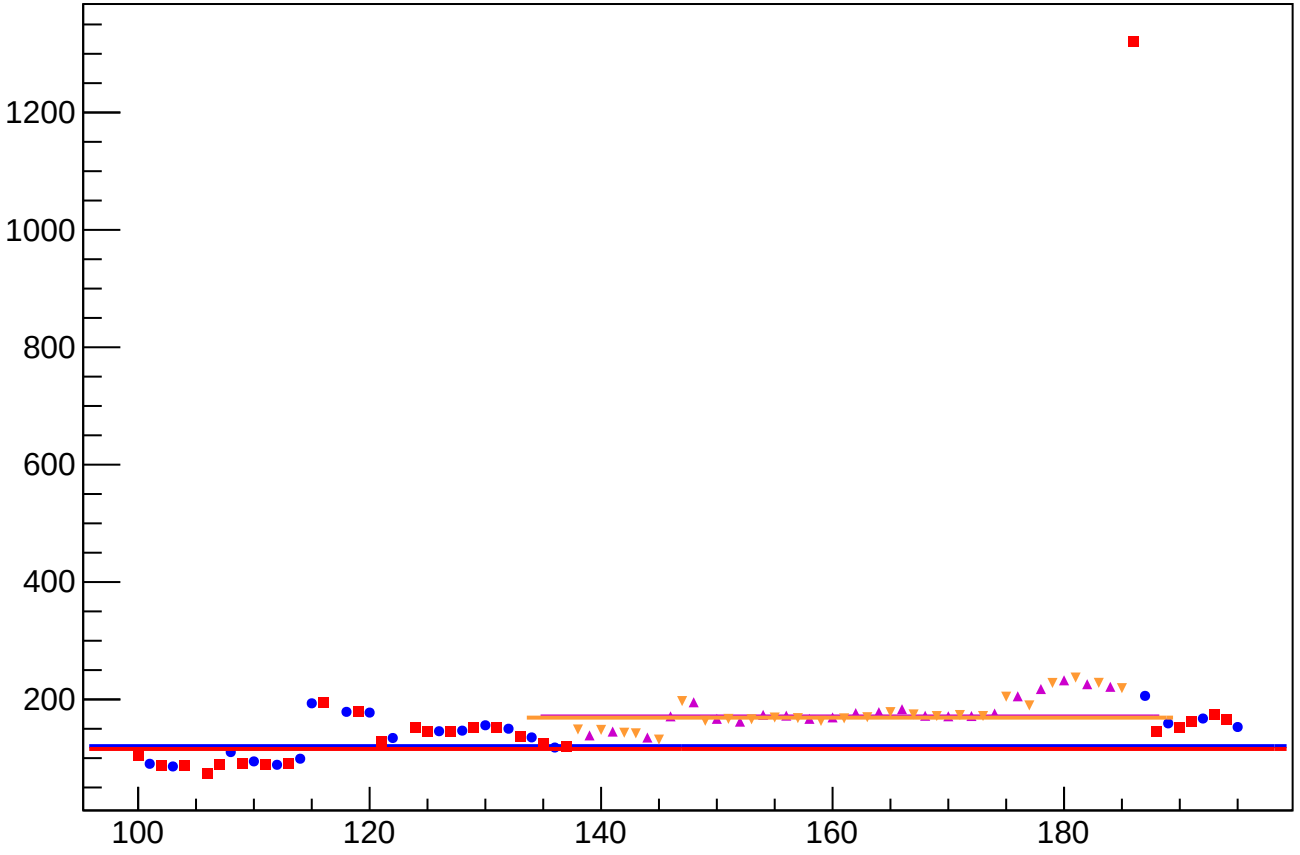
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.981+/-27.841 χ^2/NDF: 53.3/44

All: -18.517+/-19.464 χ^2/NDF: 136.1/92

- sign -142.324+/-27.222 χ^2/NDF: 40.4/47

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: 115.630+/-0.026 χ^2/NDF: 2294036.4/24

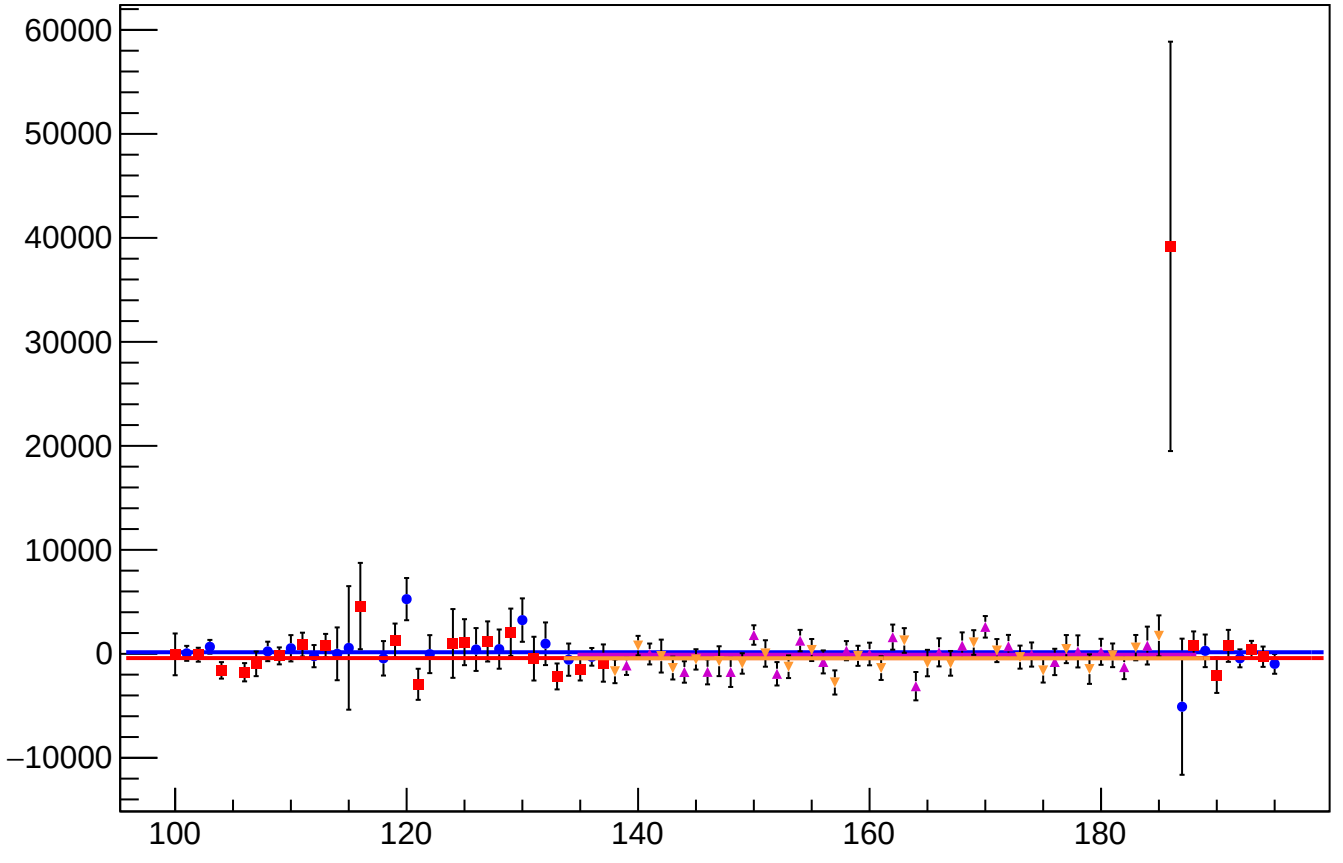
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.403+/-0.020 χ^2/NDF: 3587398.0/44

All: 143.050+/-0.014 χ^2/NDF: 8640357.7/92

- sign 140.800+/-0.019 χ^2/NDF: 5025015.9/47

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: -408.510+/-245.332 χ^2/NDF: 26.0/24

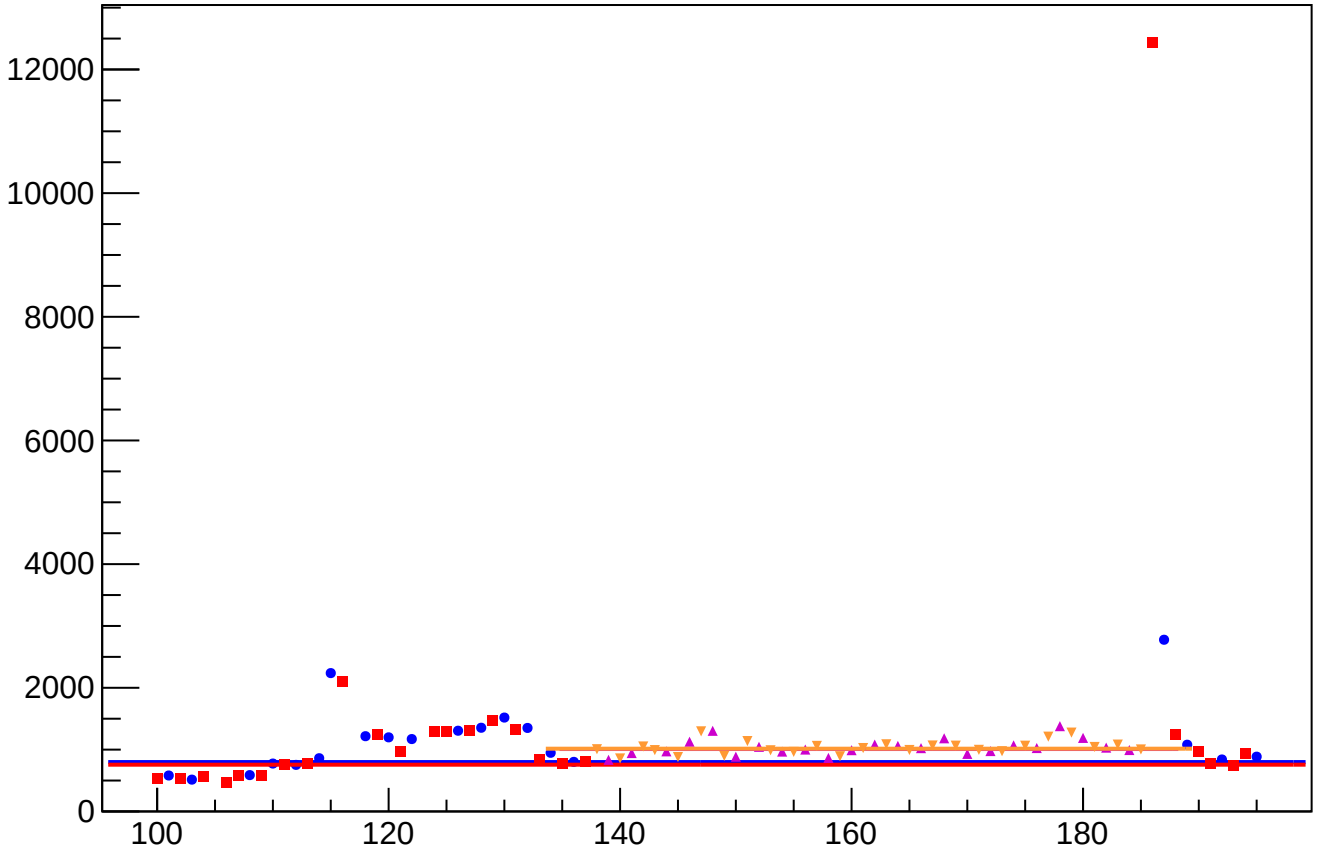
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -180.026+/-176.509 χ^2/NDF: 33.7/44

All: -212.388+/-122.773 χ^2/NDF: 93.1/92

- sign -242.719+/-170.882 χ^2/NDF: 59.3/47

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: 756.329+/-0.173 χ^2/NDF: 2891213.0/24

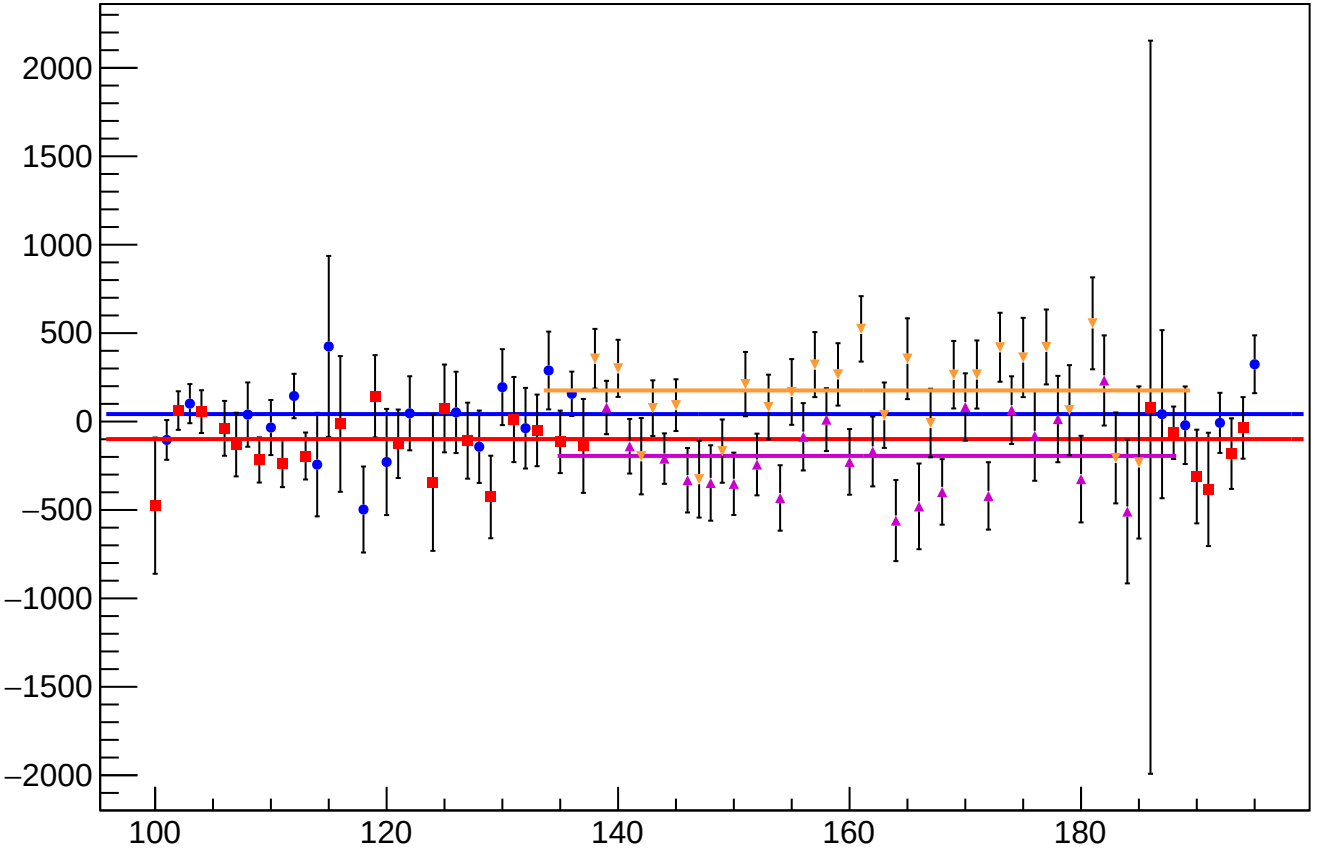
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 923.345+/-0.125 χ^2/NDF: 3157938.0/44

All: 904.460+/-0.087 χ^2/NDF: 7690317.6/92

- sign 886.760+/-0.121 χ^2/NDF: 4488028.8/47

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: -99.015+/-36.855 χ^2/NDF: 13.5/24

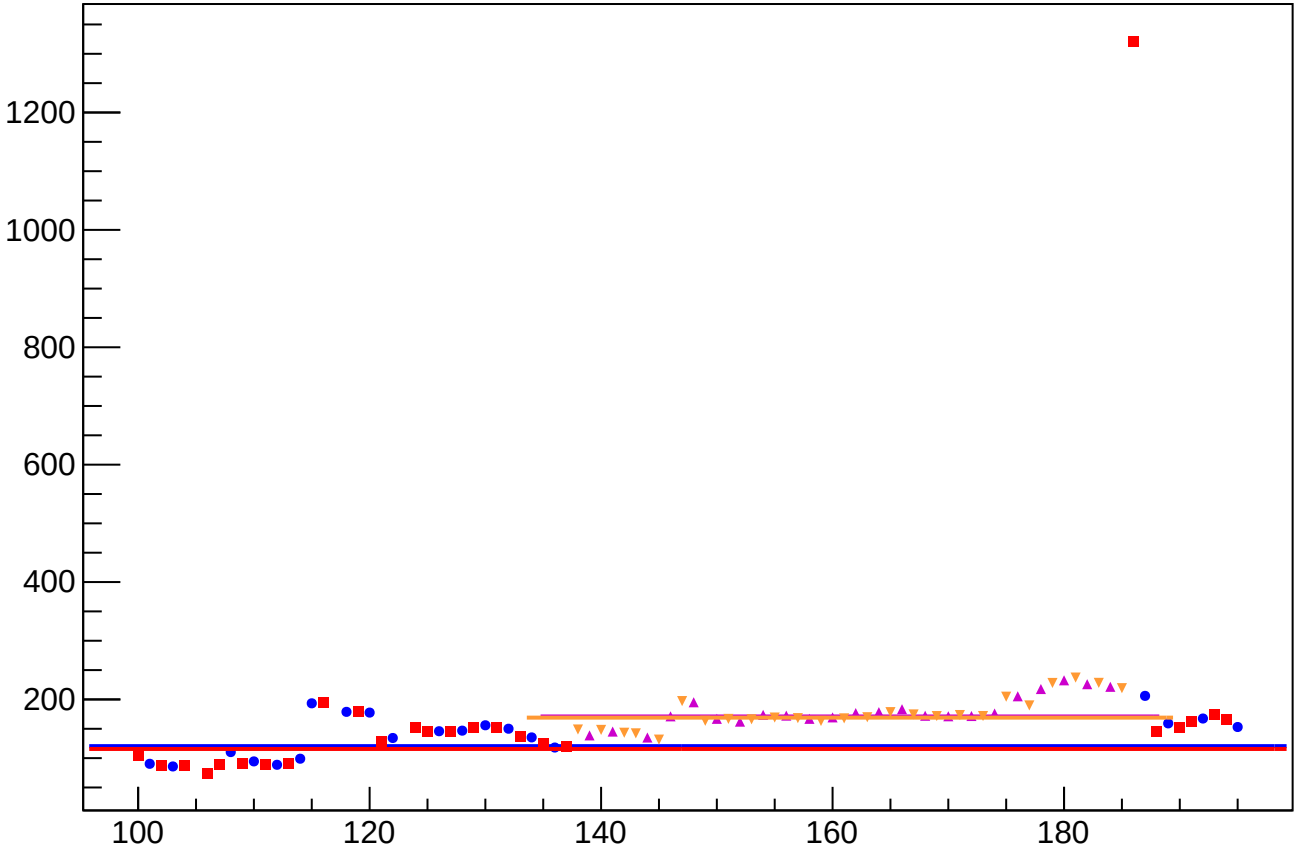
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.981+/-27.841 χ^2/NDF: 53.3/44

All: -18.517+/-19.464 χ^2/NDF: 136.1/92

- sign -142.324+/-27.222 χ^2/NDF: 40.4/47

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: 115.630+/-0.026 χ^2/NDF: 2294033.8/24

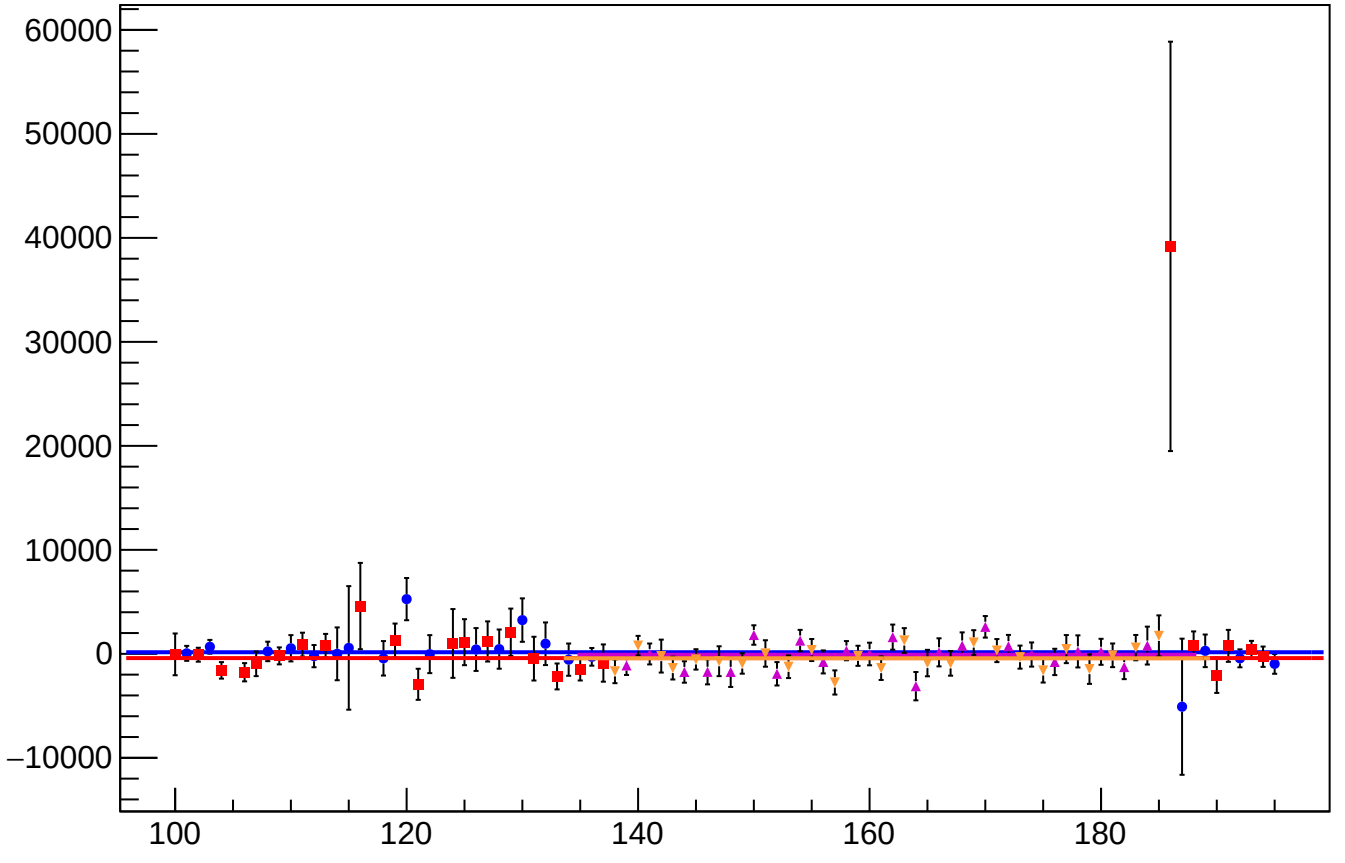
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.403+/-0.020 χ^2/NDF: 3587415.9/44

All: 143.050+/-0.014 χ^2/NDF: 8640395.4/92

- sign 140.800+/-0.019 χ^2/NDF: 5025036.7/47

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: -408.511+/-245.331 χ^2/NDF: 26.0/24

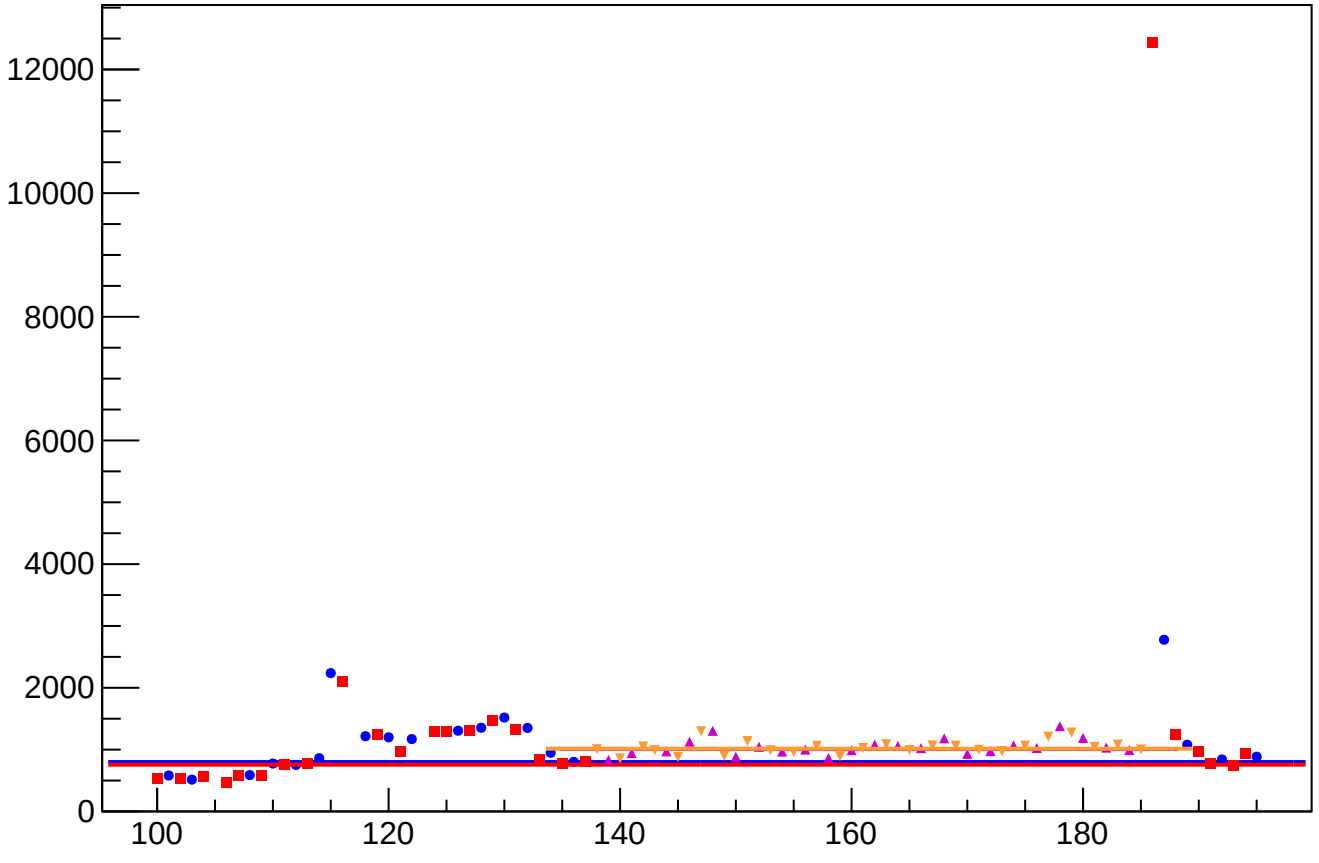
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -180.025+/-176.509 χ^2/NDF: 33.7/44

All: -212.388+/-122.773 χ^2/NDF: 93.1/92

- sign -242.720+/-170.882 χ^2/NDF: 59.3/47

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: 756.328+/-0.173 χ^2/NDF: 2891214.6/24

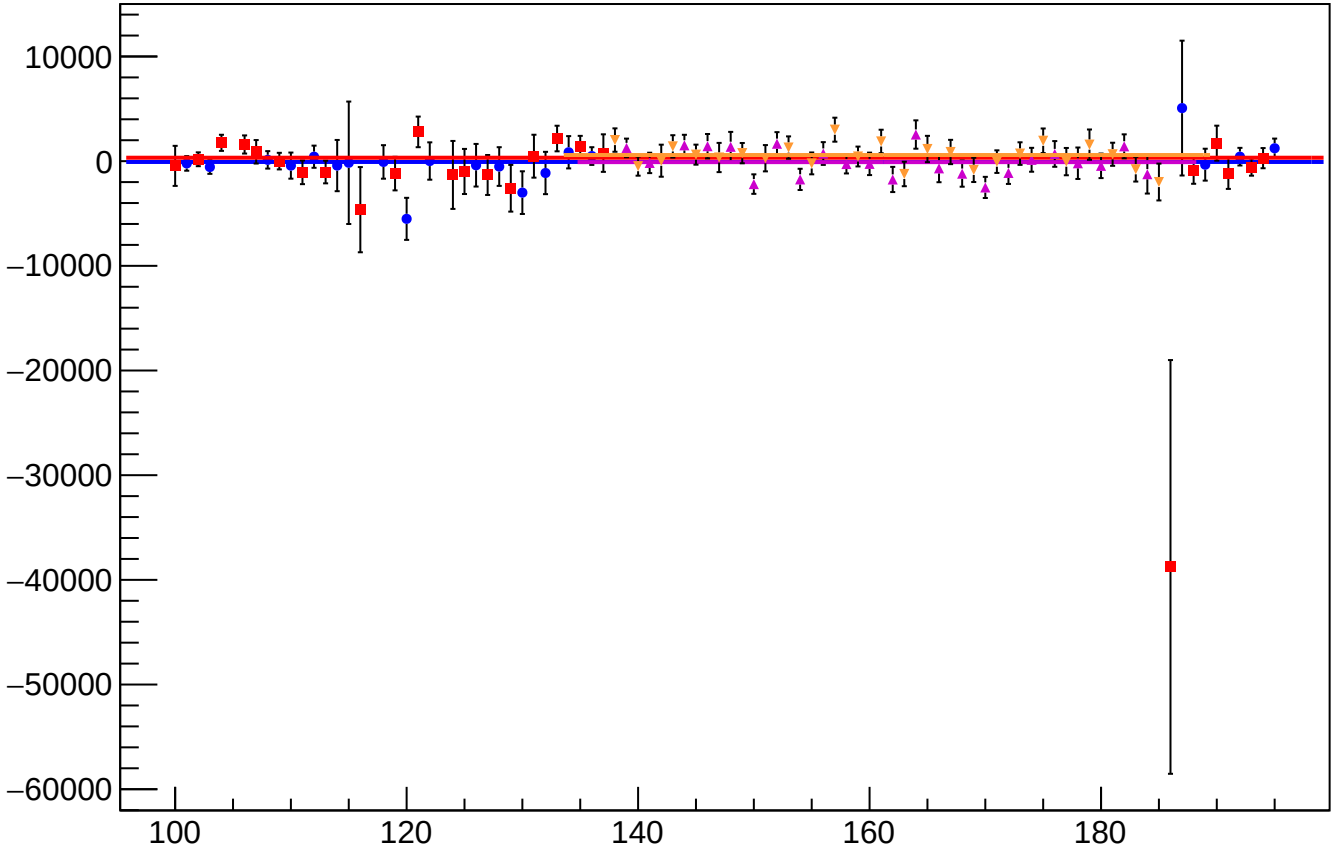
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 923.345+/-0.125 χ^2/NDF: 3157950.7/44

All: 904.460+/-0.087 χ^2/NDF: 7690349.2/92

- sign 886.760+/-0.121 χ^2/NDF: 4488047.8/47

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: 328.966+/-239.934 χ^2/NDF: 28.5/24

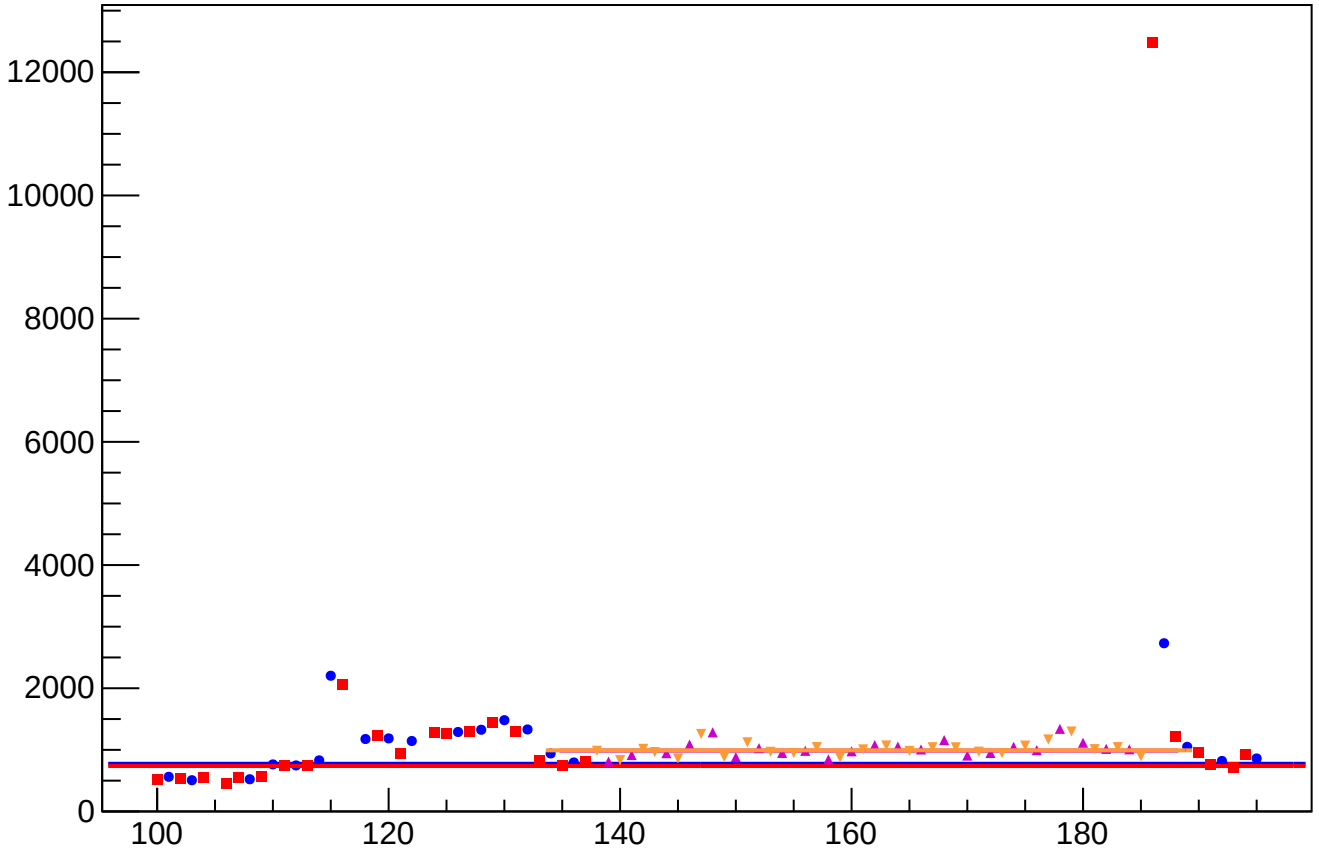
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 302.837+/-172.254 χ^2/NDF: 38.9/44

All: 204.543+/-119.961 χ^2/NDF: 104.2/92

- sign 111.976+/-167.161 χ^2/NDF: 64.6/47

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

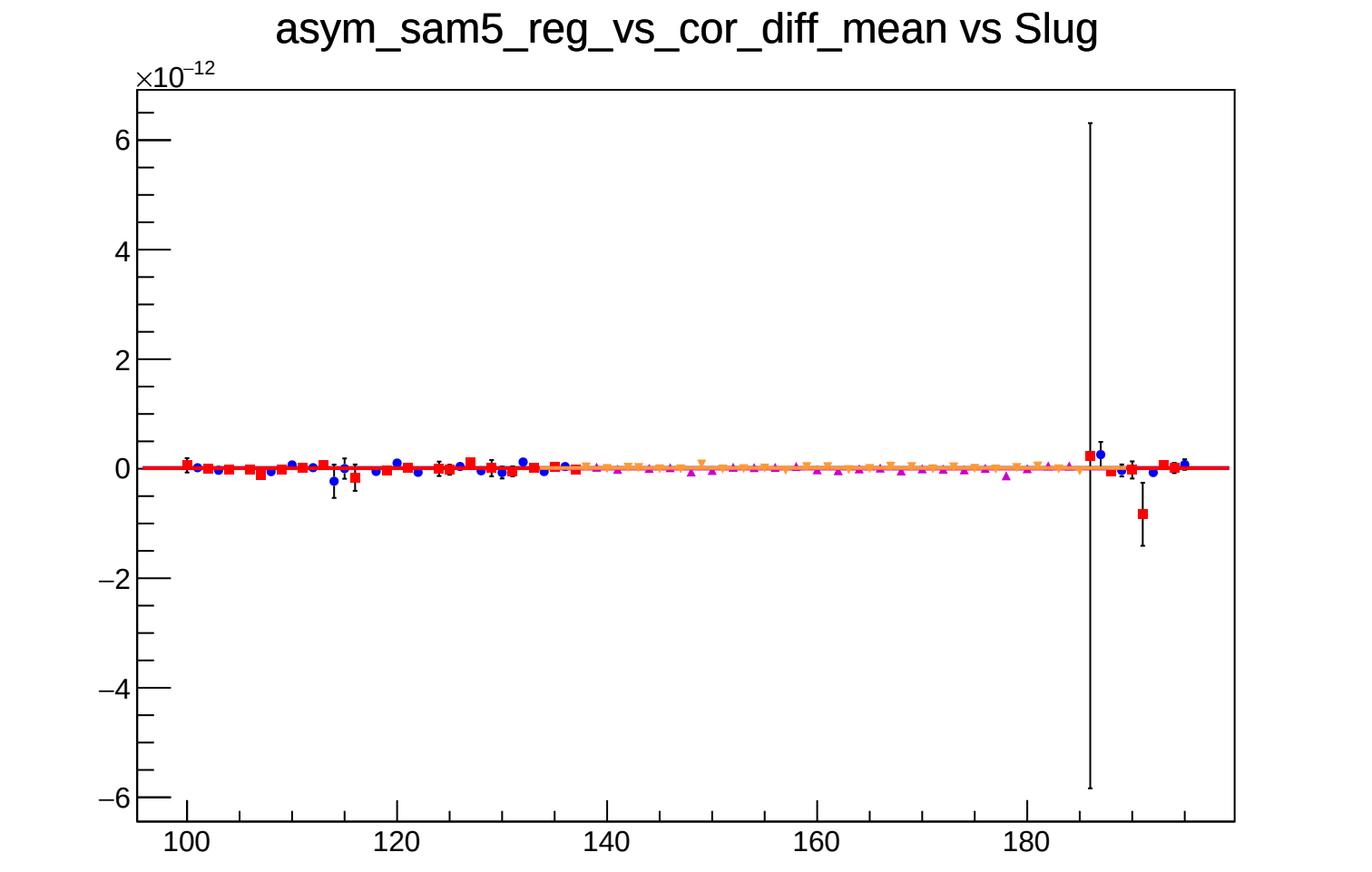
Right Out: 737.342+/-0.170 χ^2/NDF: 2950958.2/24

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 899.163+/-0.122 χ^2/NDF: 3328106.4/44

All: 882.199+/-0.085 χ^2/NDF: 7925822.2/92

- sign 866.224+/-0.118 χ^2/NDF: 4560052.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

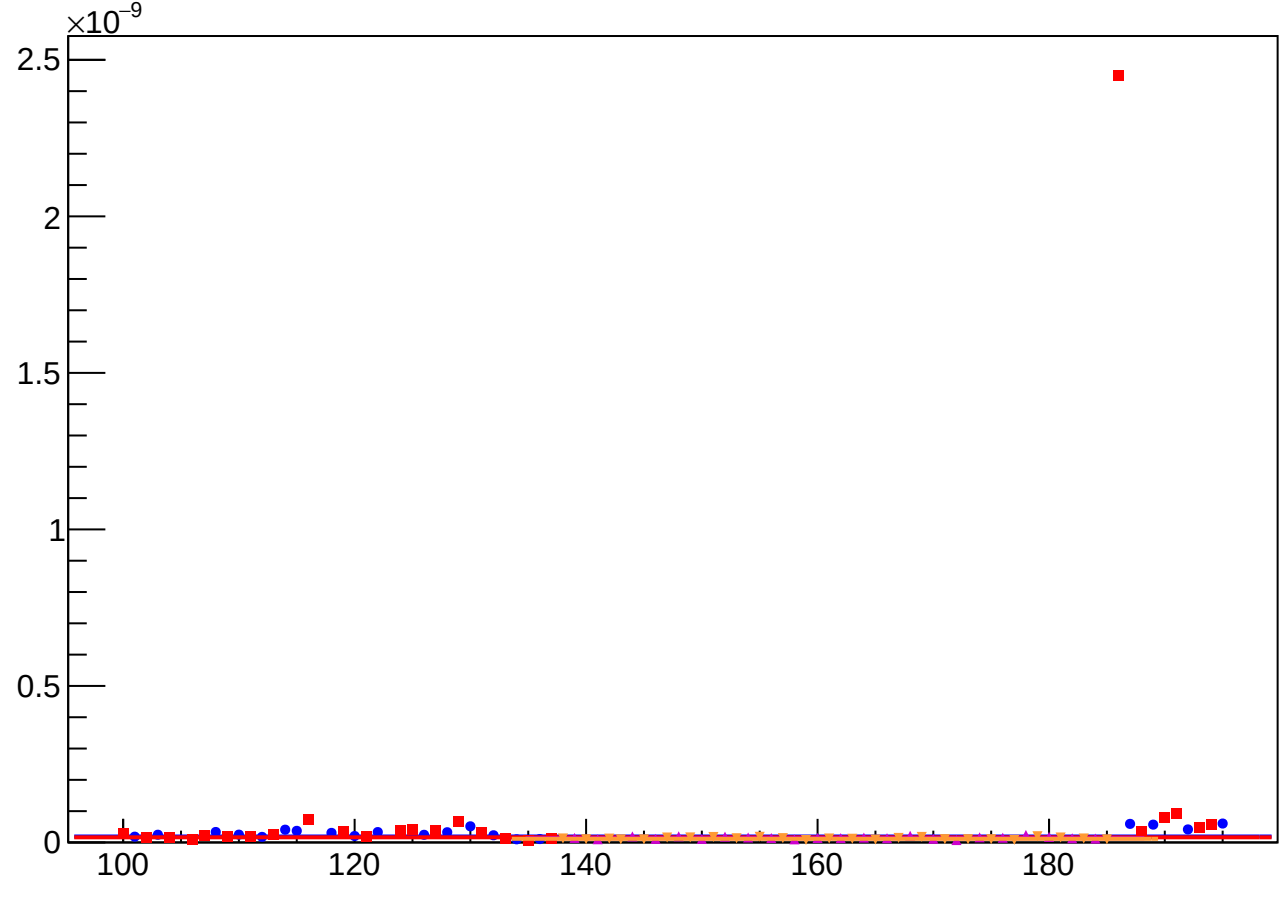
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/24

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: 93.3/92

- sign 0.000+/-0.000 χ^2/NDF: 46.6/47



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: 3450303.2/24

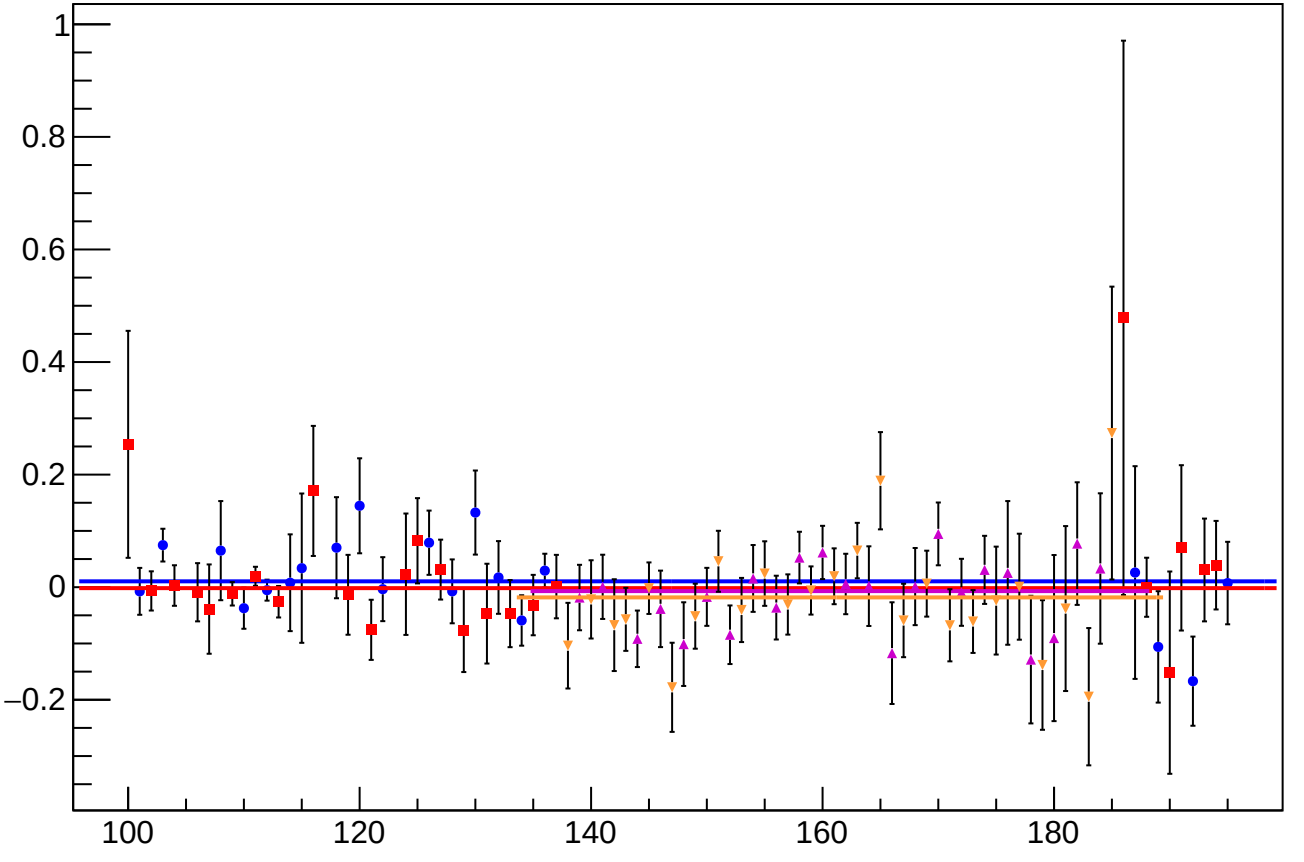
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3667408.5/44

All: 0.000+/-0.000 χ^2/NDF: 8214630.1/92

- sign 0.000+/-0.000 χ^2/NDF: 4466257.5/47

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: 14.7/24

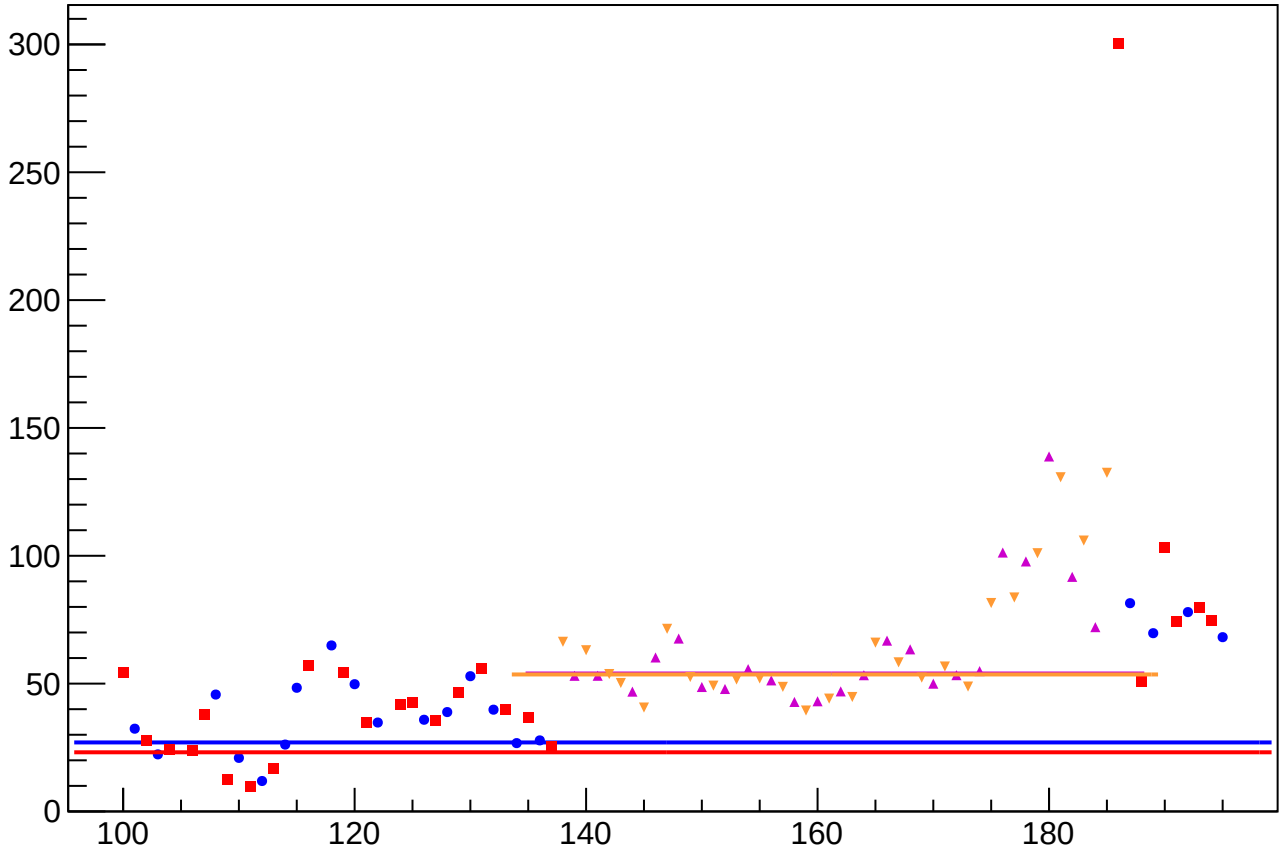
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.002+/-0.005 χ^2/NDF: 85.3/92

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

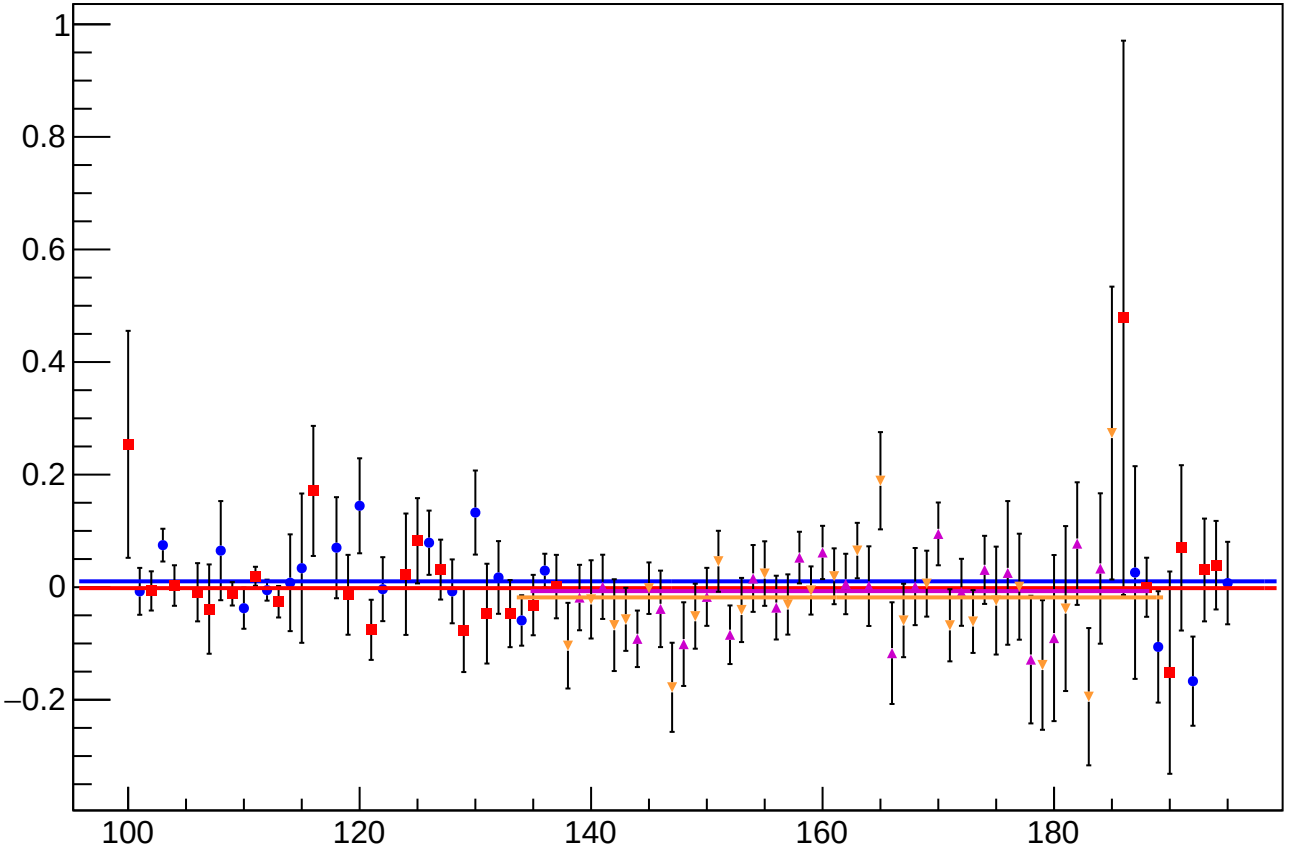
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.464+/-0.006 χ^2/NDF: 12461542.3/44

All: 34.975+/-0.004 χ^2/NDF: 29534150.0/92

- sign 32.858+/-0.005 χ^2/NDF: 16717188.0/47

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: 14.7/24

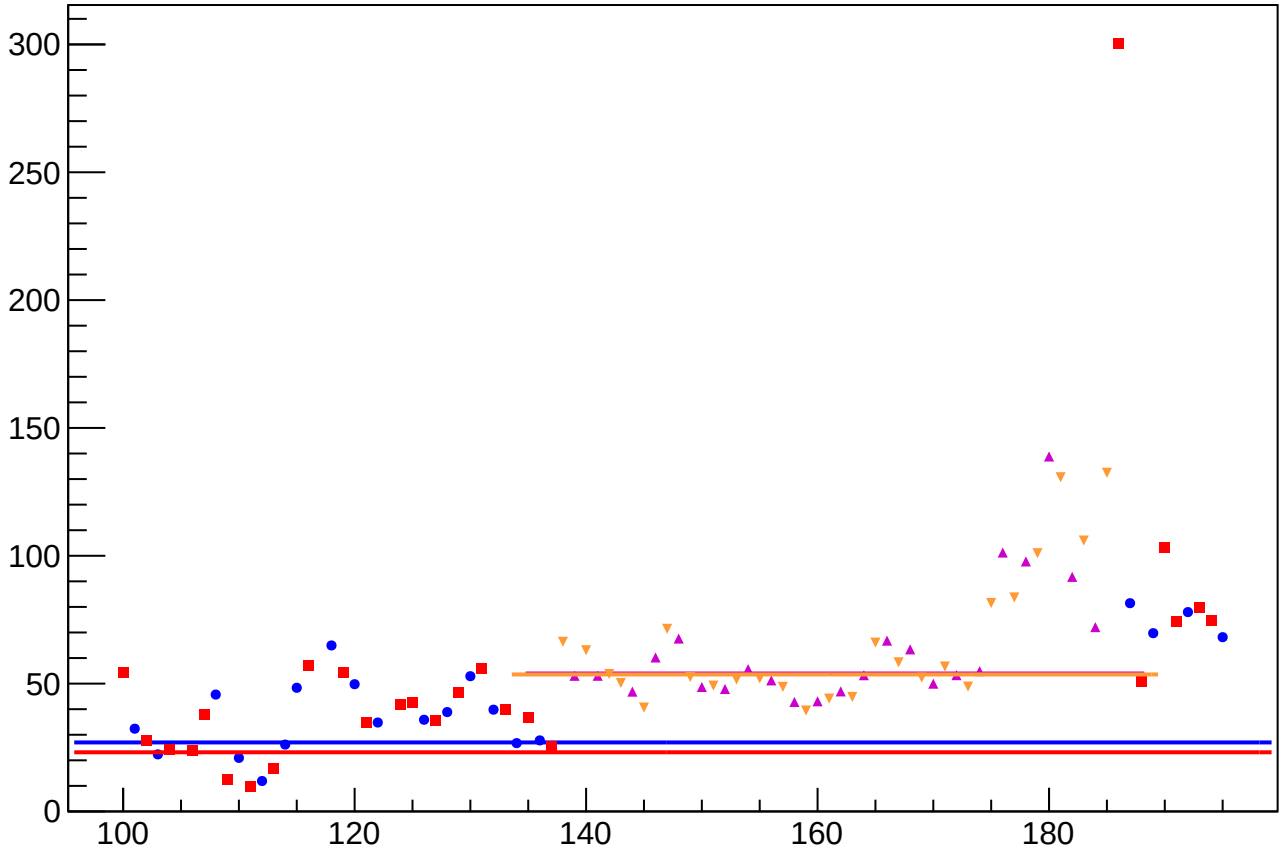
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.002+/-0.005 χ^2/NDF: 85.3/92

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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

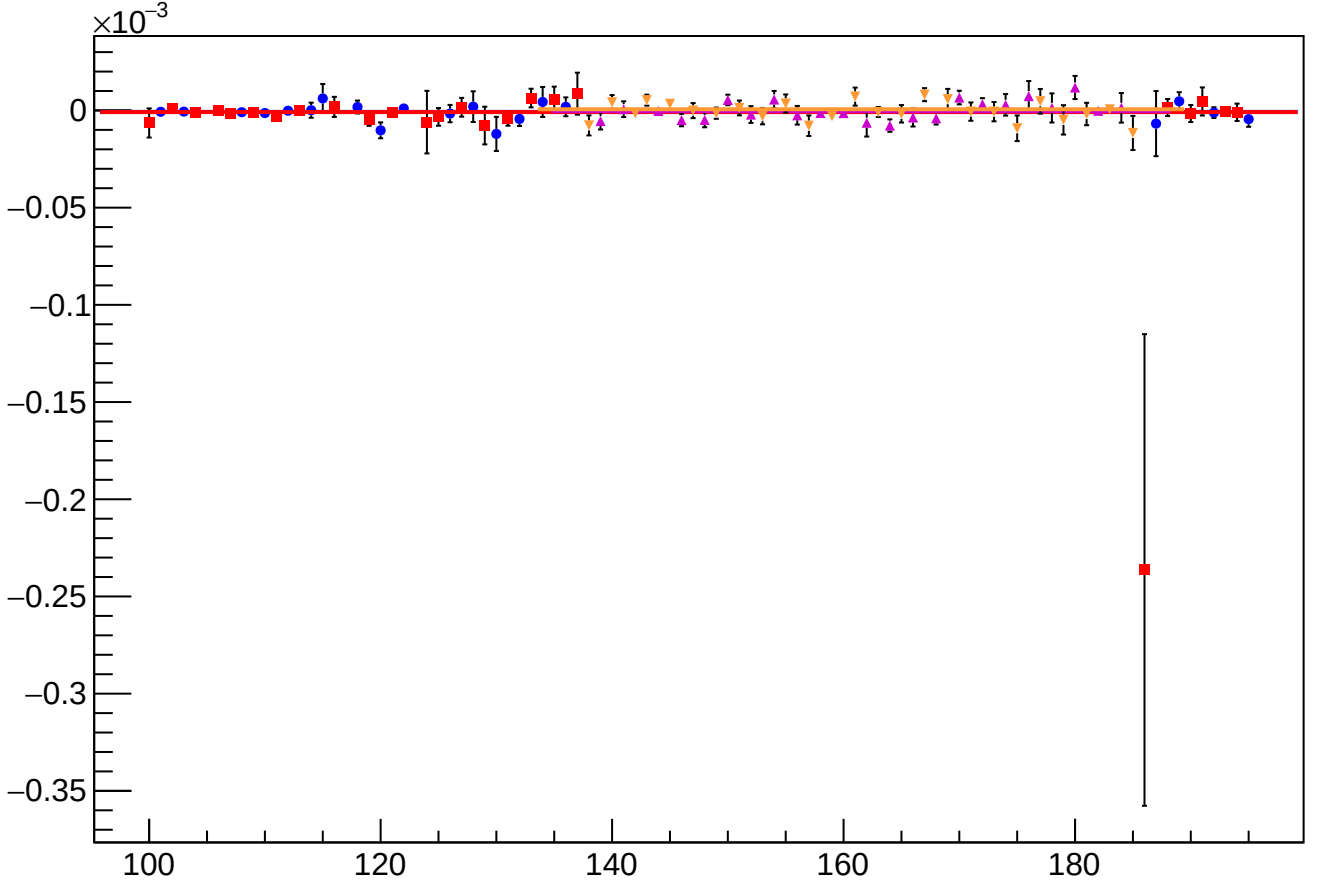
Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.464+/-0.006 χ^2/NDF: 12461542.3/44

All: 34.975+/-0.004 χ^2/NDF: 29534150.0/92

- sign 32.858+/-0.005 χ^2/NDF: 16717188.0/47



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: 16.5/24

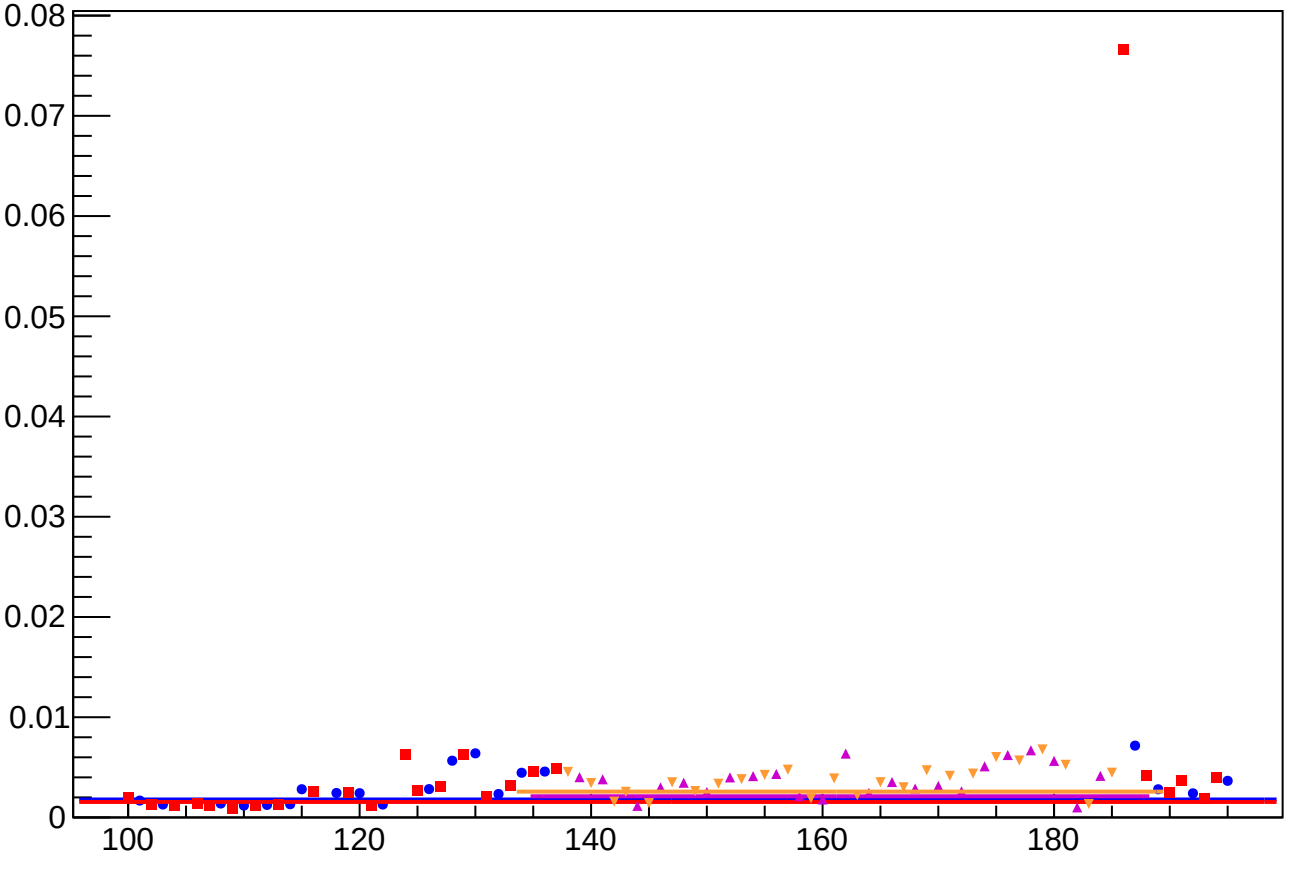
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/44

All: -0.000+/-0.000 χ^2/NDF: 95.3/92

- sign -0.000+/-0.000 χ^2/NDF: 47.8/47

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: 5449885.6/24

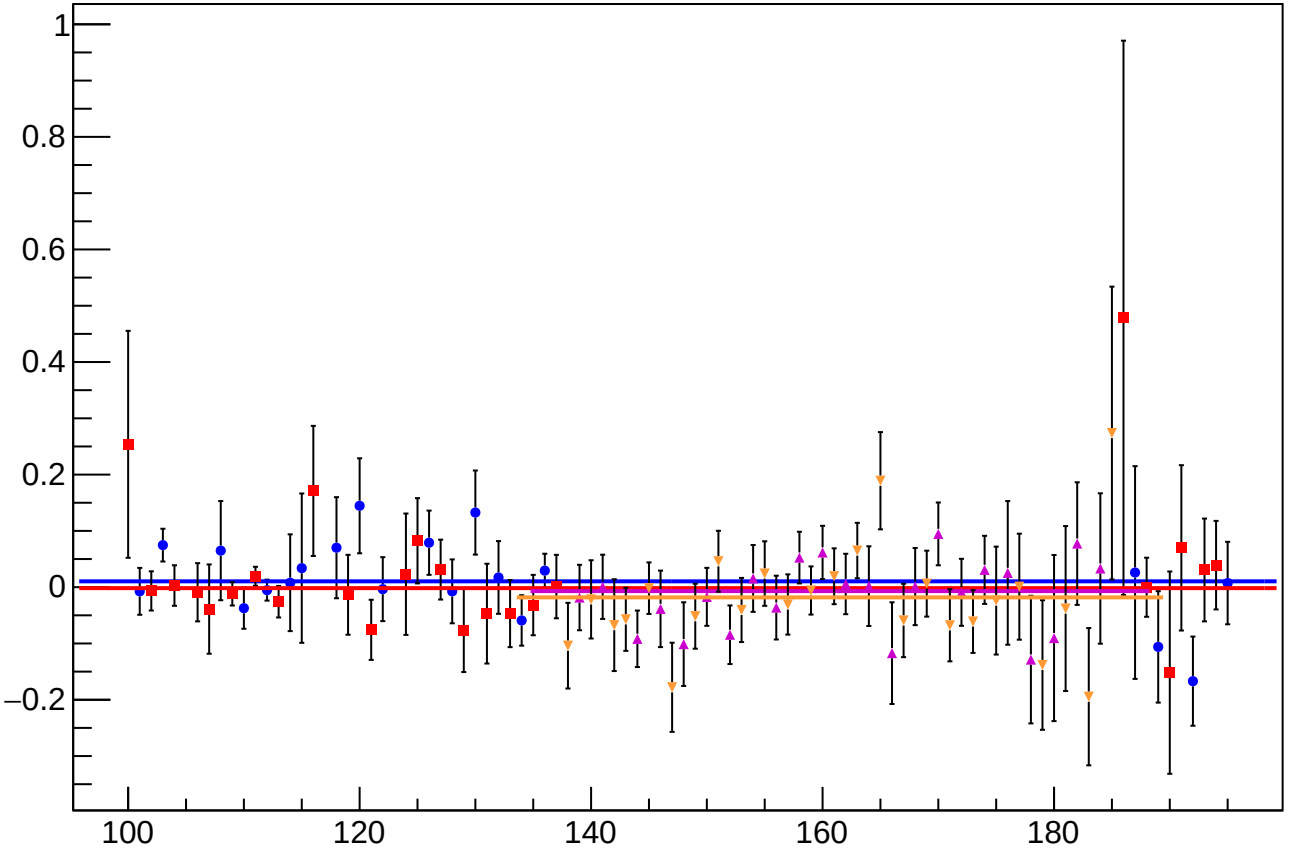
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12379000.8/44

All: 0.002+/-0.000 χ^2/NDF: 29022194.5/92

- sign 0.002+/-0.000 χ^2/NDF: 15930941.6/47

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: 14.7/24

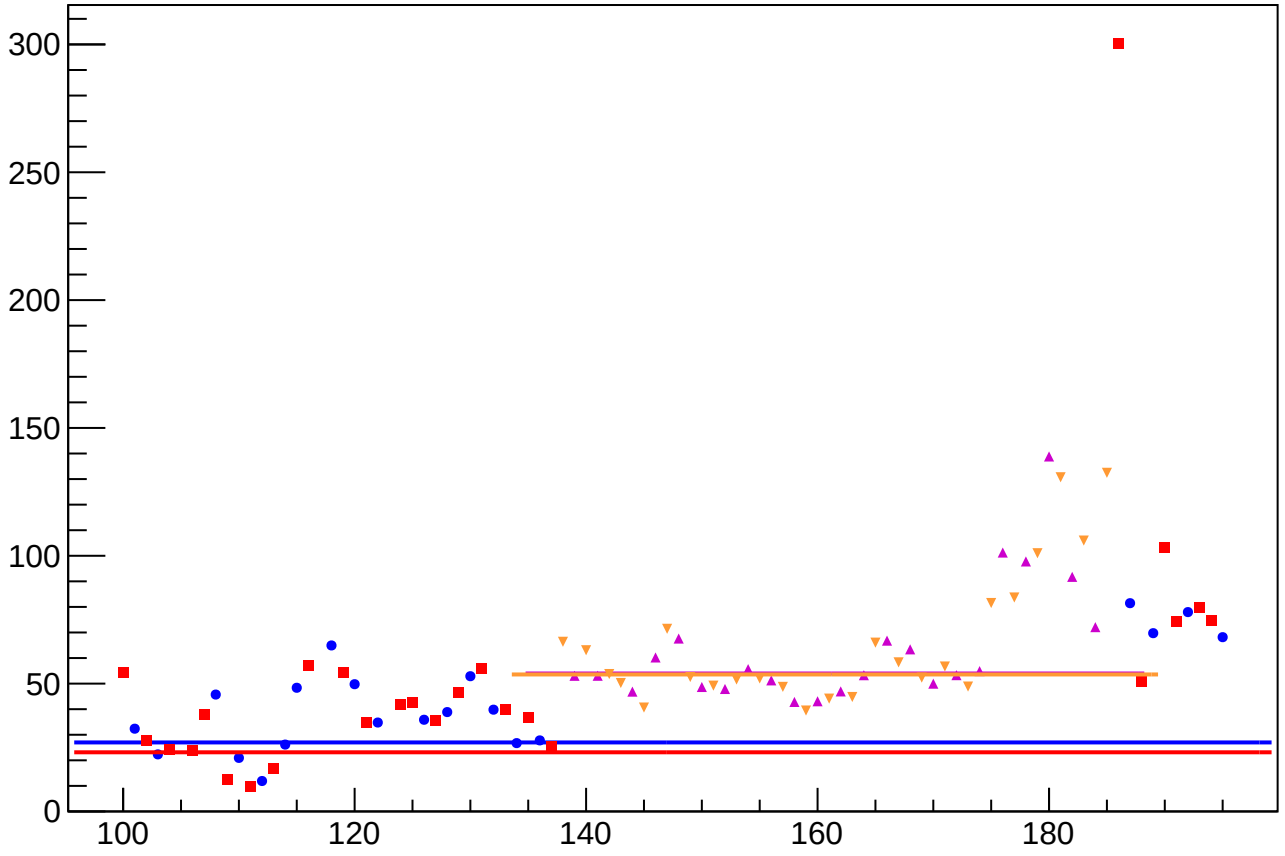
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.002+/-0.005 χ^2/NDF: 85.3/92

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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

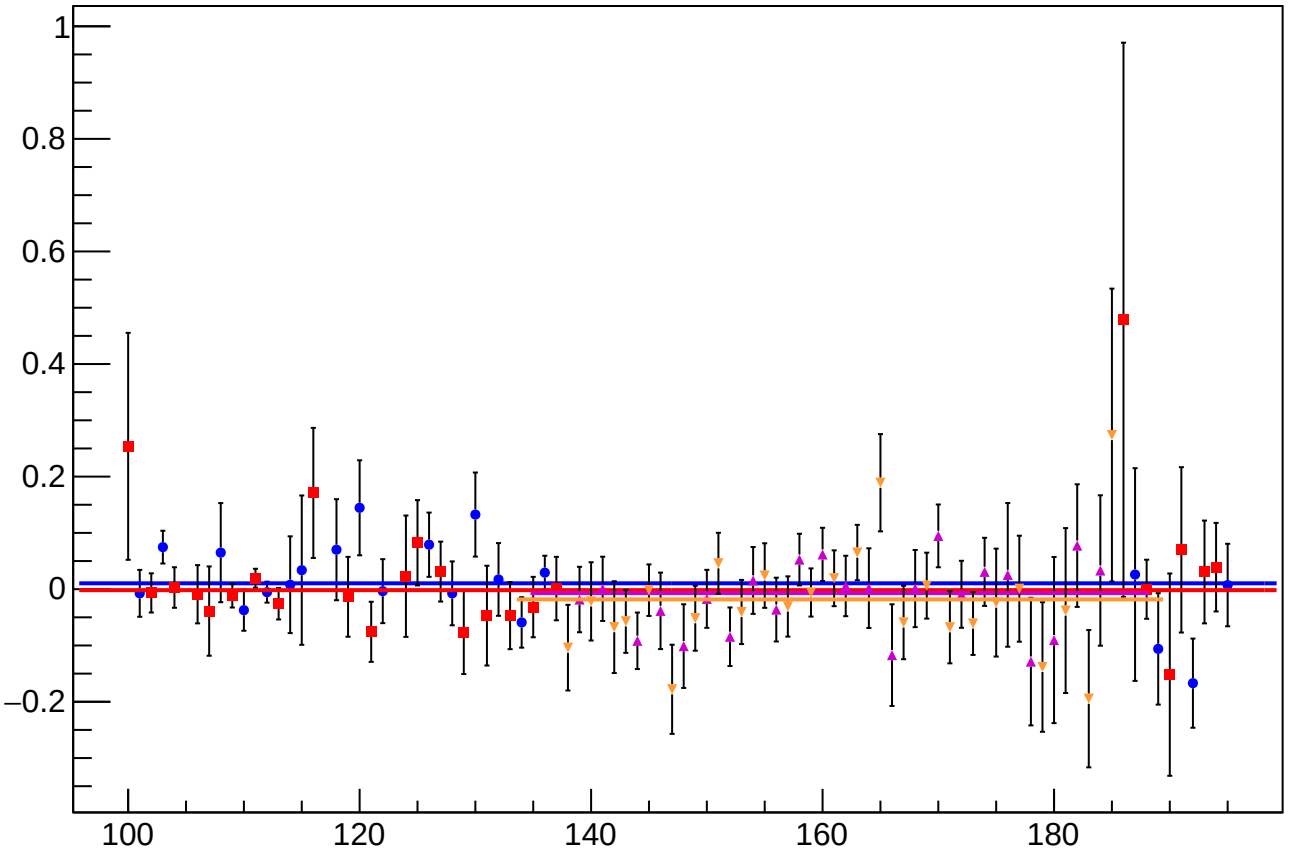
Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.463+/-0.006 χ^2/NDF: 12461967.9/44

All: 34.974+/-0.004 χ^2/NDF: 29535175.3/92

- sign 32.857+/-0.005 χ^2/NDF: 16717759.8/47



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

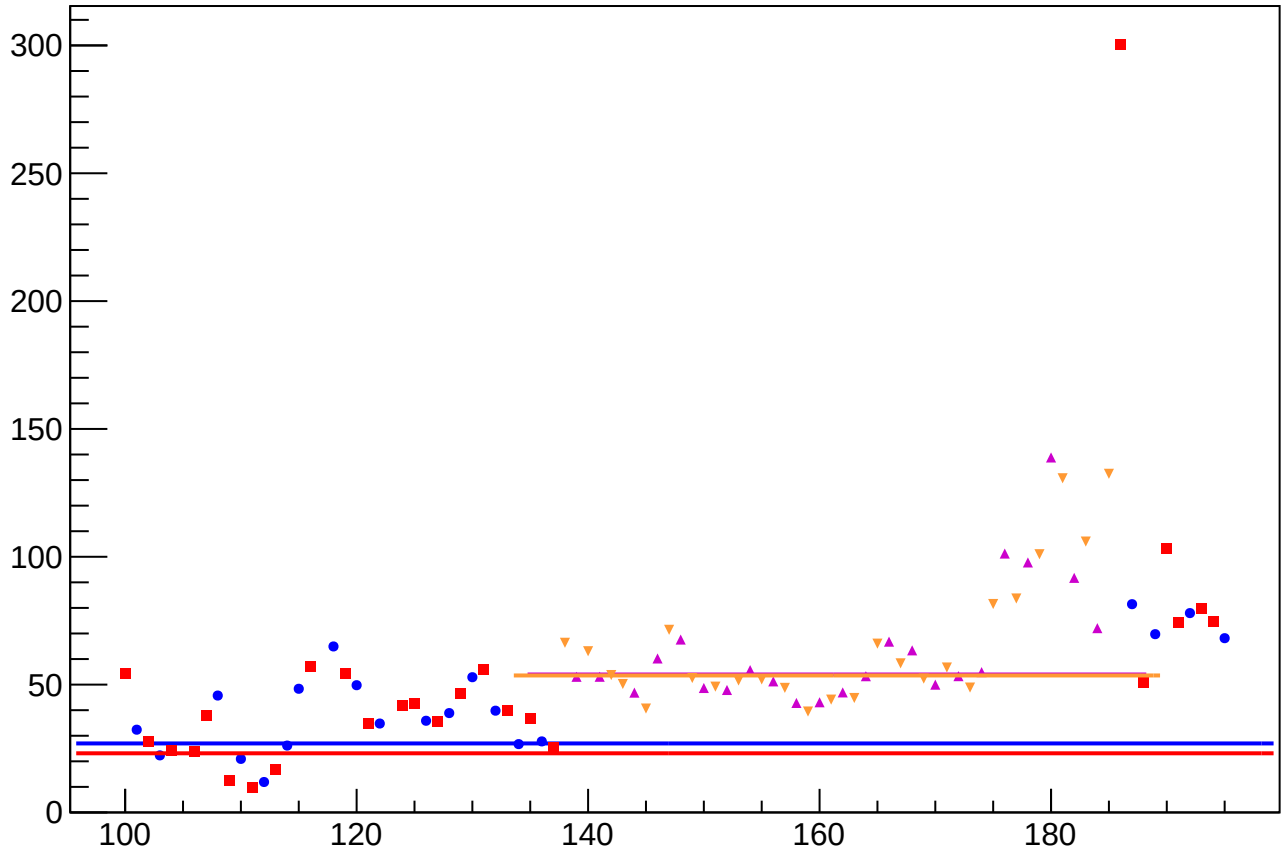
Right Out: -0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/44

All: -0.002+/-0.005 χ^2/NDF: 85.3/92

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47



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: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

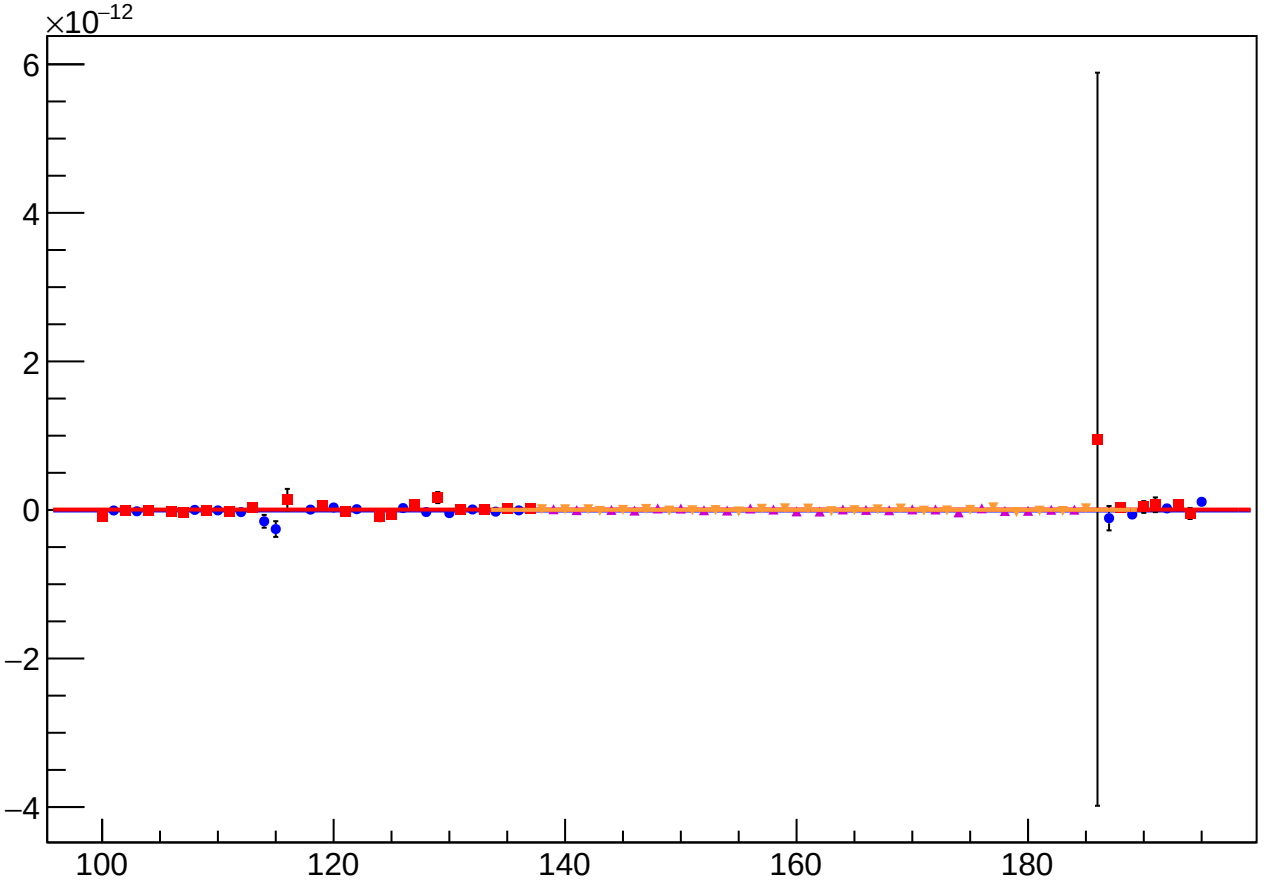
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.463+/-0.006 χ^2/NDF: 12461967.9/44

All: 34.974+/-0.004 χ^2/NDF: 29535175.3/92

- sign 32.857+/-0.005 χ^2/NDF: 16717759.8/47

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

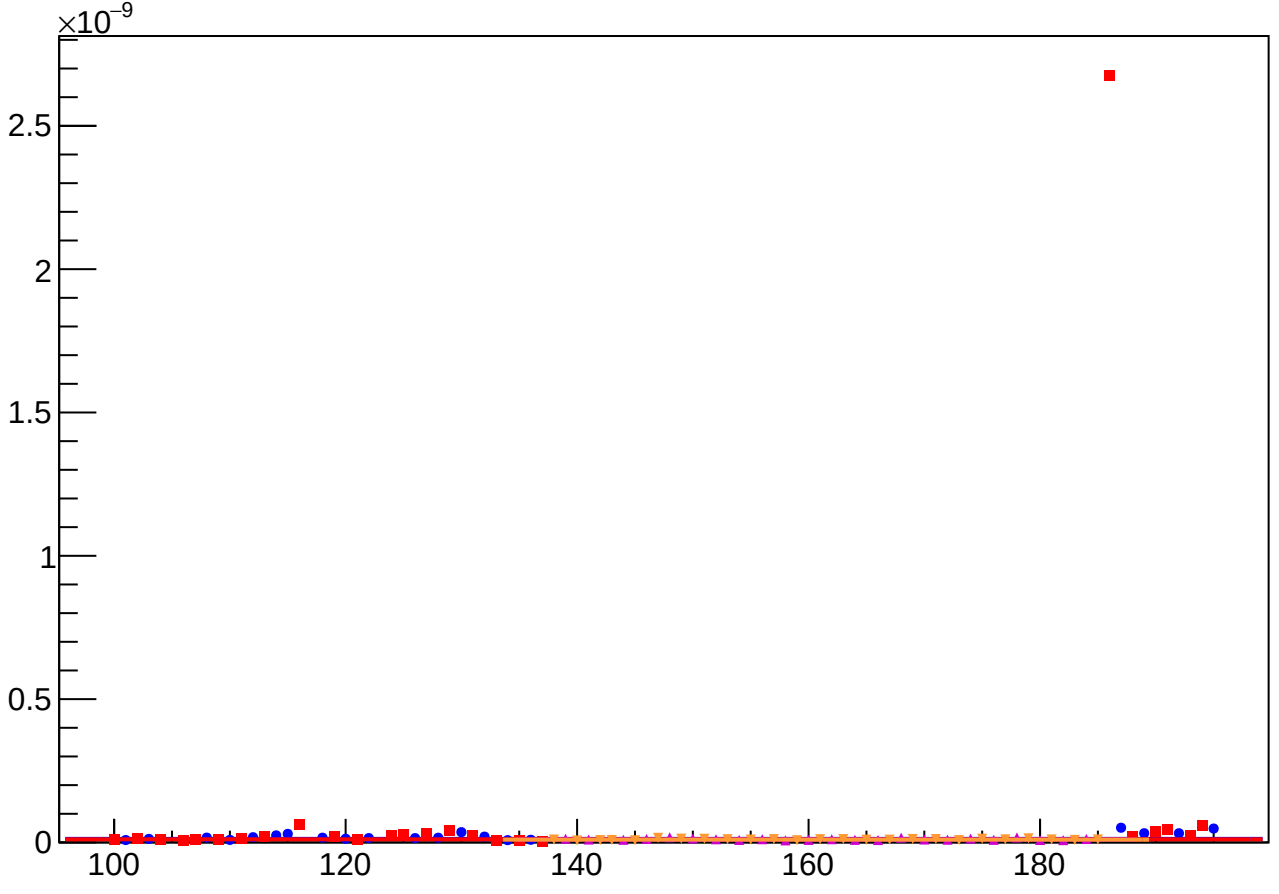
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/44

All: 0.000+/-0.000 χ^2/NDF: 100.2/92

- sign 0.000+/-0.000 χ^2/NDF: 50.9/47

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



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: 5149121.3/24

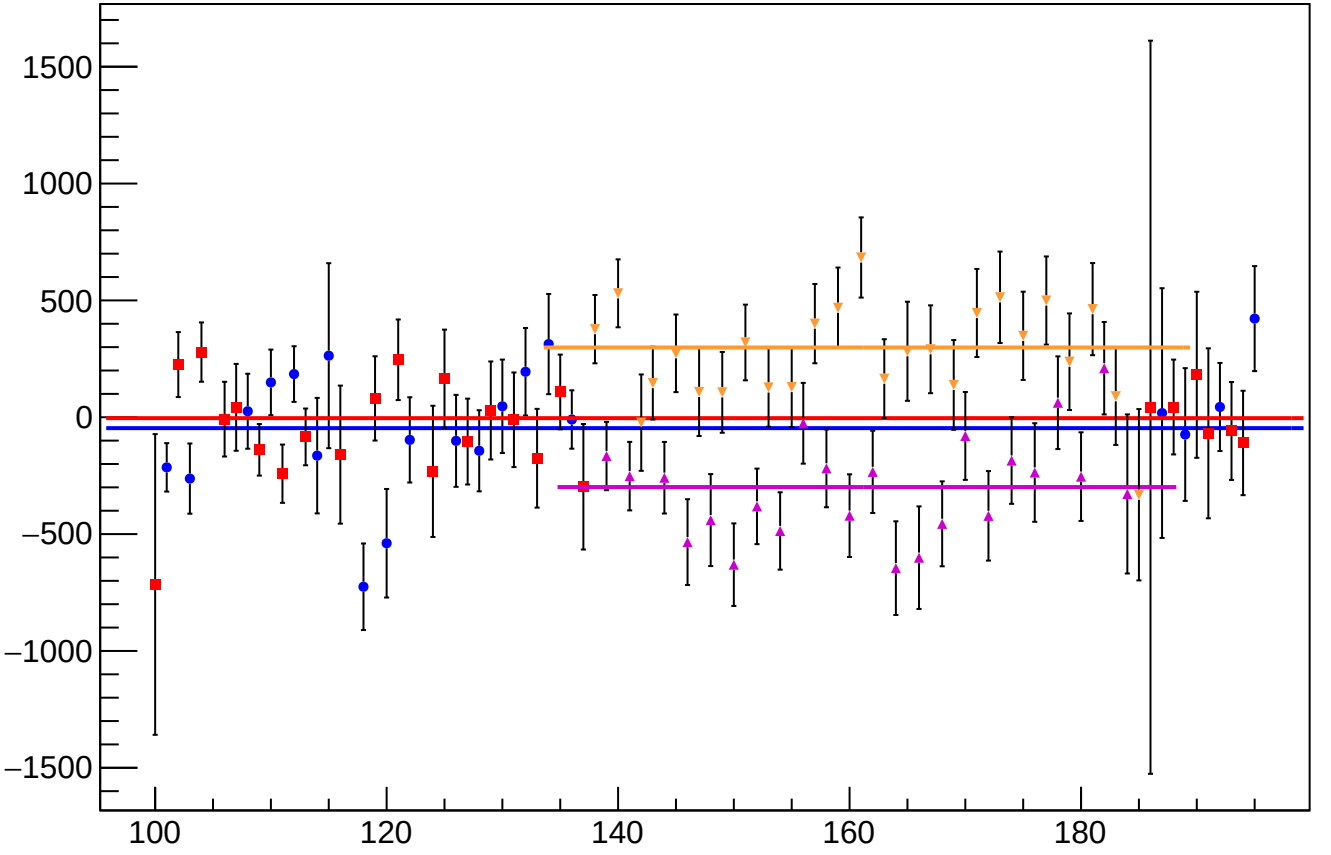
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4226231.6/44

All: 0.000+/-0.000 χ^2/NDF: 10722462.0/92

- sign 0.000+/-0.000 χ^2/NDF: 6496017.8/47

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: -3.863+/-36.637 χ^2/NDF: 21.8/24

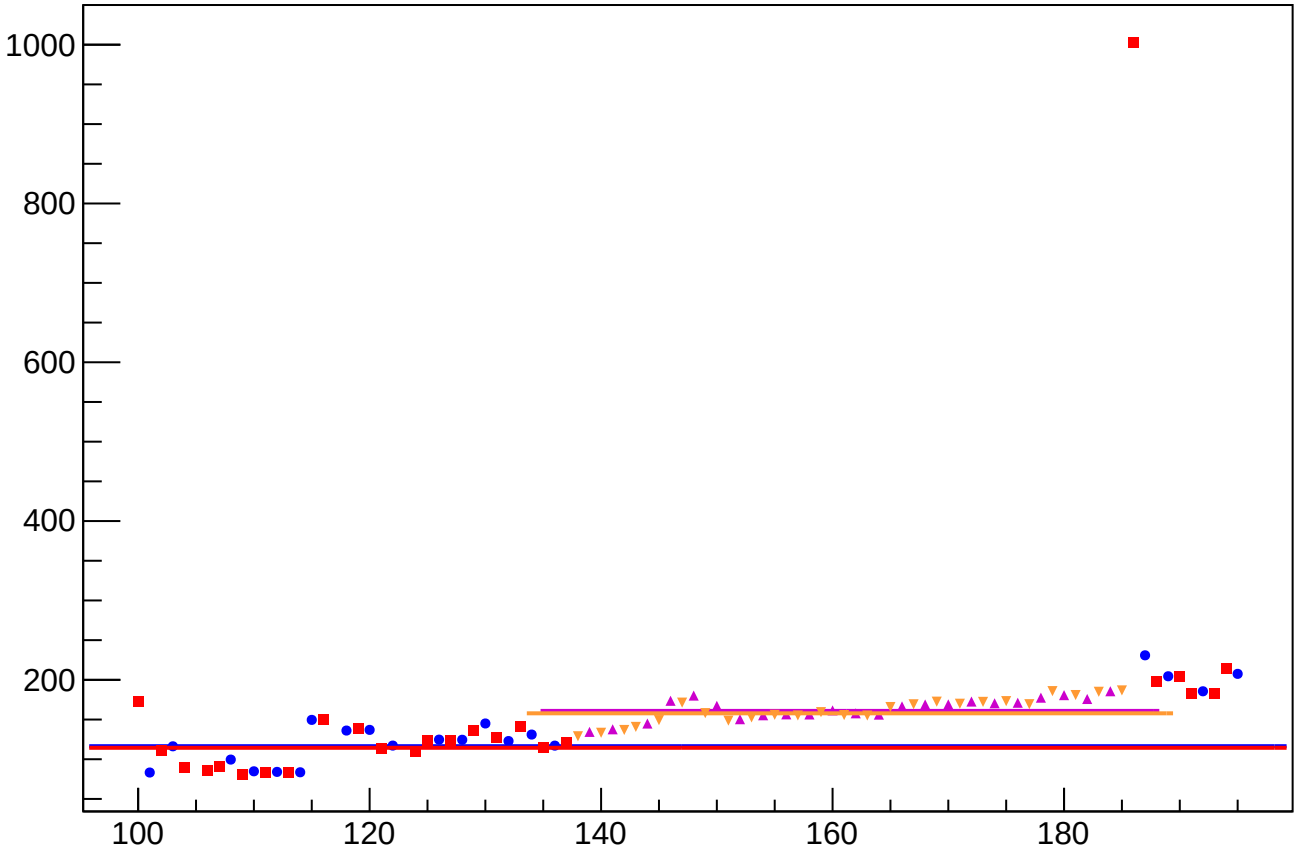
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 139.099+/-26.444 χ^2/NDF: 107.5/44

All: -4.800+/-18.642 χ^2/NDF: 249.0/92

- sign -146.950+/-26.283 χ^2/NDF: 82.6/47

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: 114.424+/-0.026 χ^2/NDF: 2571900.3/24

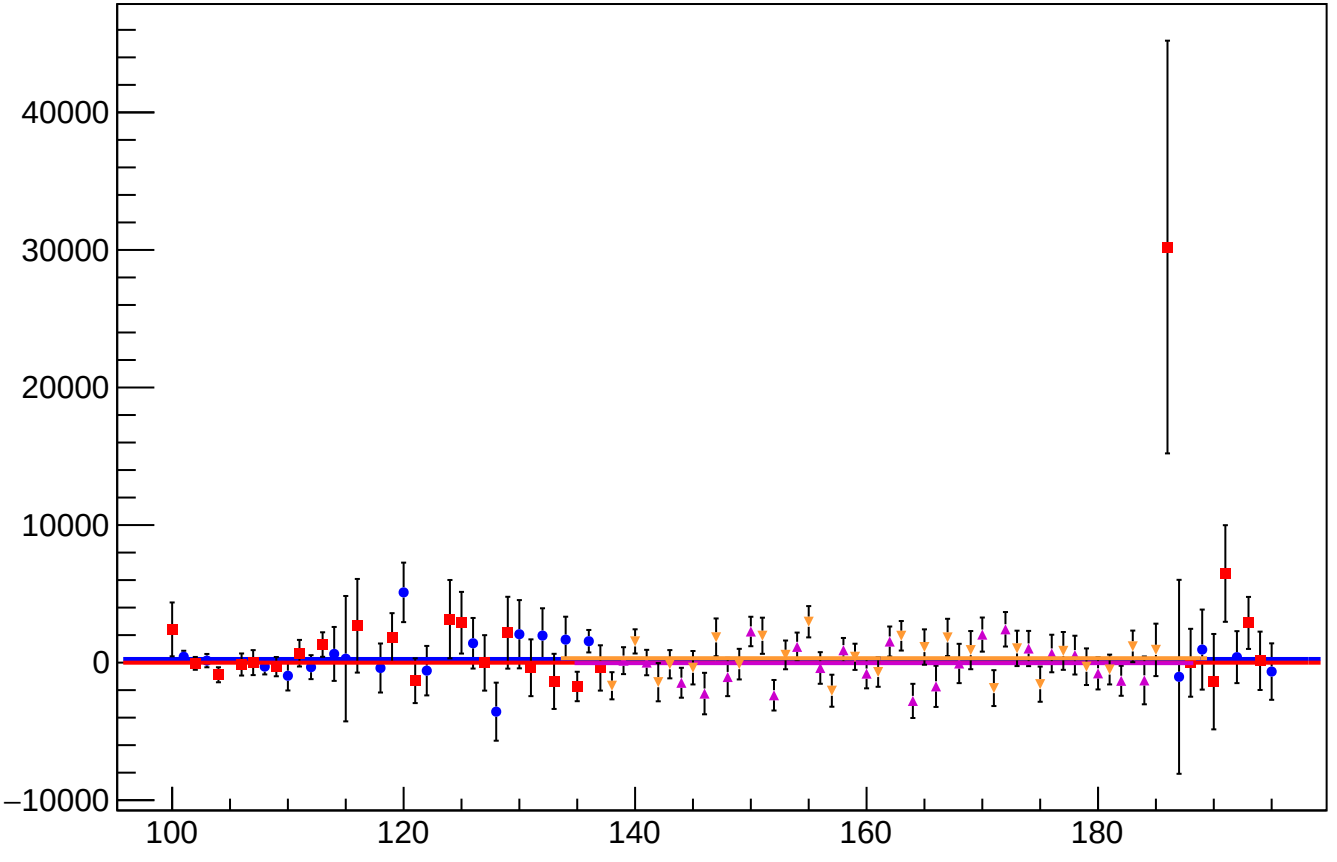
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 138.710+/-0.019 χ^2/NDF: 3103015.0/44

All: 137.834+/-0.013 χ^2/NDF: 7507923.8/92

\- sign 136.969+/-0.019 χ^2/NDF: 4400546.3/47

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: -5.555+/-227.102 χ^2/NDF: 26.1/24

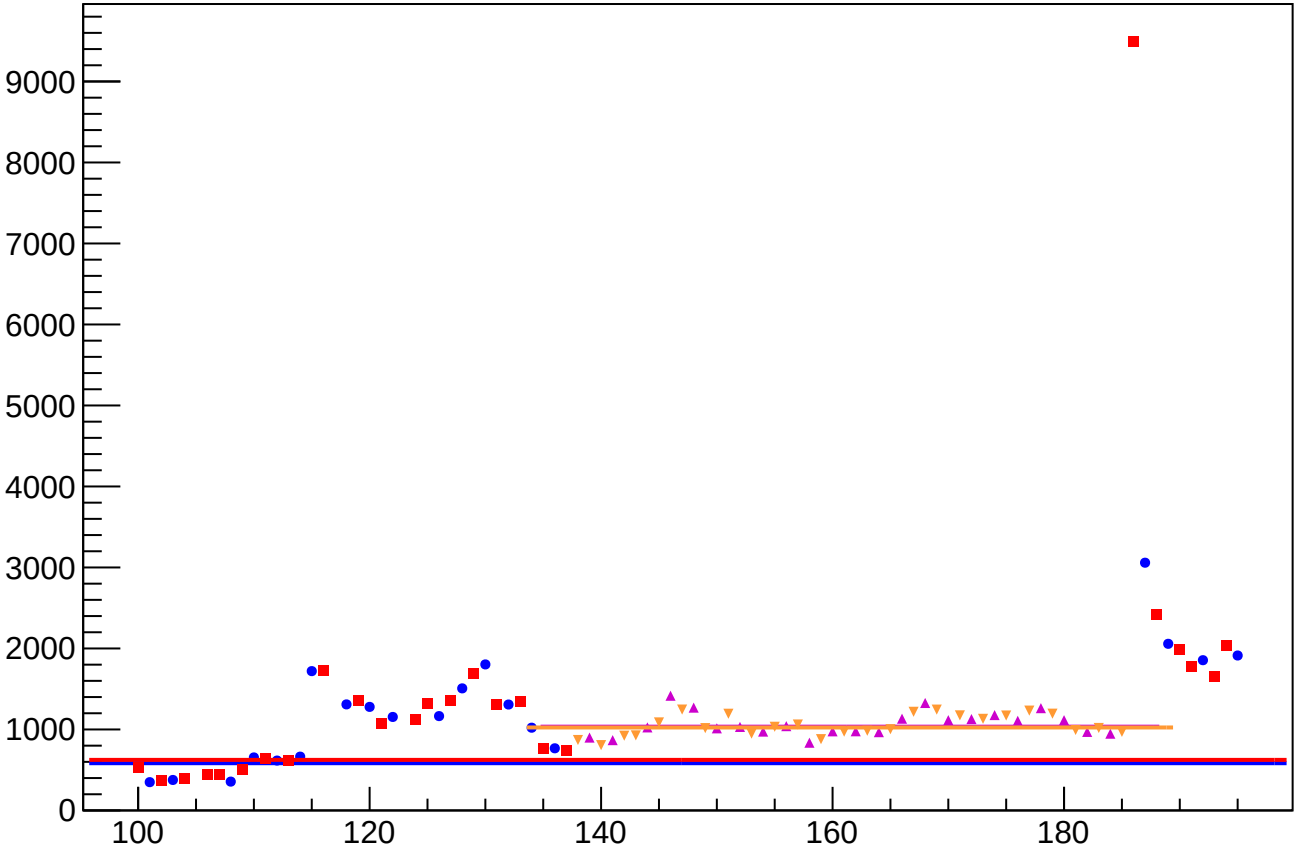
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 291.387+/-163.200 χ^2/NDF: 49.3/44

All: 138.043+/-116.476 χ^2/NDF: 112.0/92

- sign -21.160+/-166.288 χ^2/NDF: 60.9/47

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: 624.372+/-0.161 χ^2/NDF: 7004470.8/24

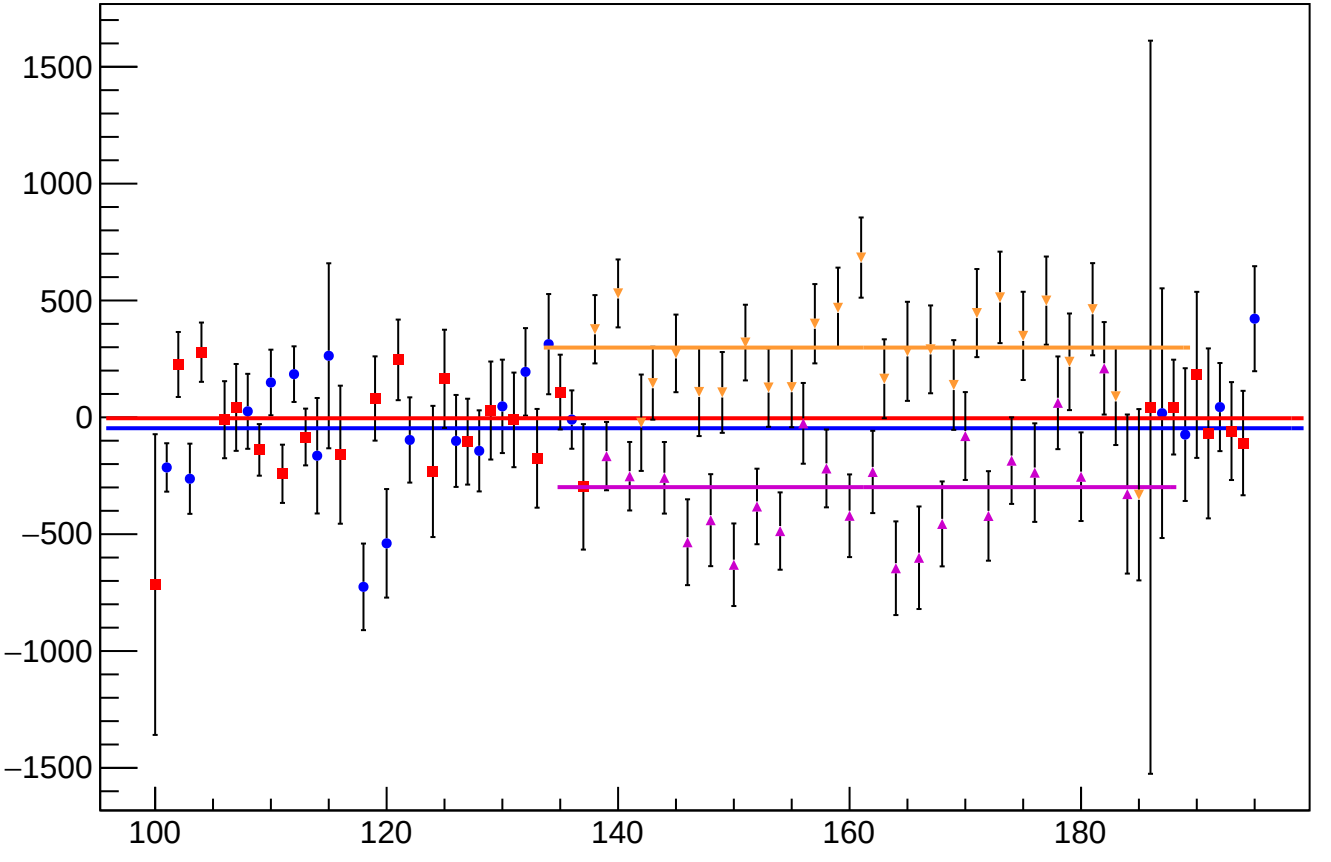
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 795.958+/-0.115 χ^2/NDF: 10470005.4/44

All: 805.094+/-0.082 χ^2/NDF: 21140263.8/92

- sign 814.580+/-0.118 χ^2/NDF: 10657481.9/47

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: -3.908+/-36.696 χ^2/NDF: 21.8/24

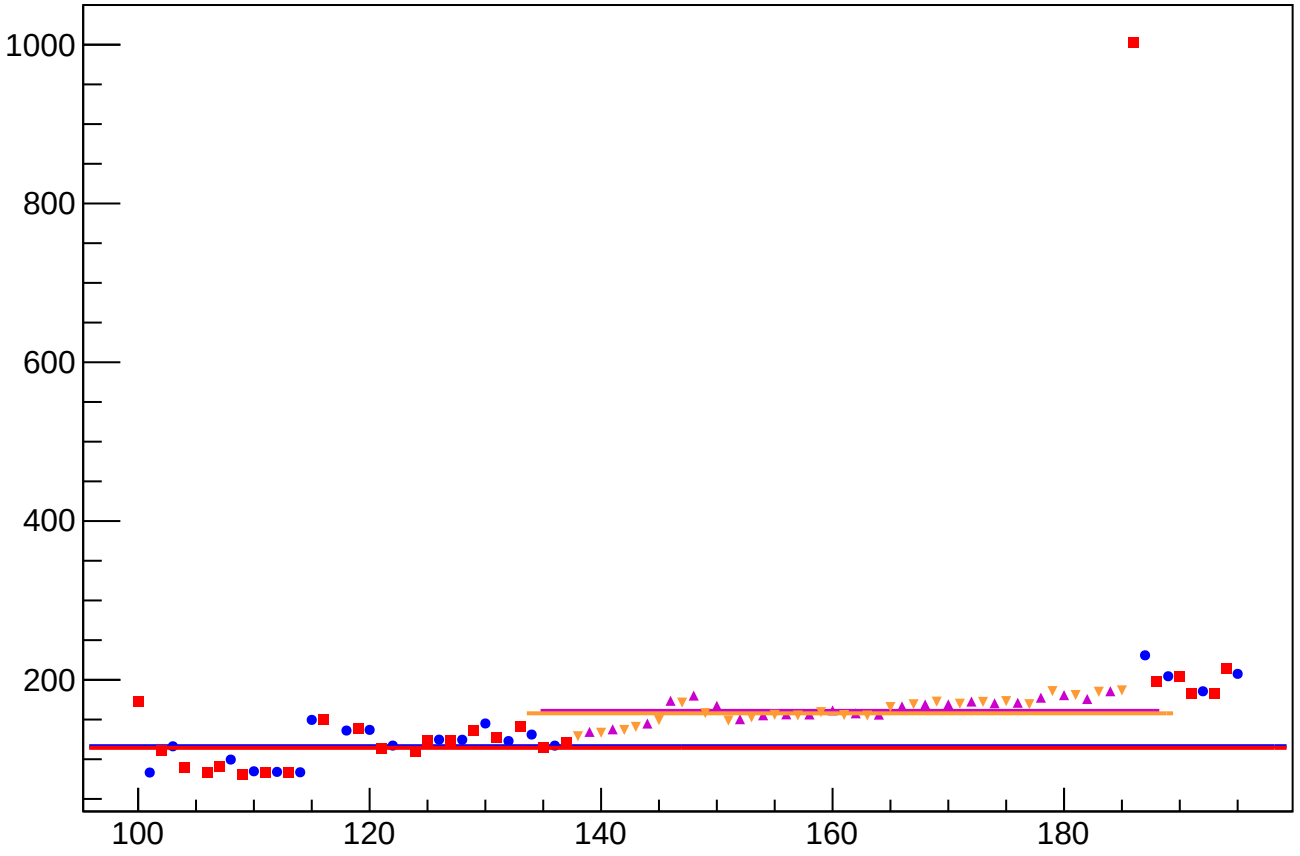
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

\+ sign 139.089+/-26.444 χ^2/NDF: 107.6/44

All: -4.819+/-18.649 χ^2/NDF: 249.1/92

\- sign -147.213+/-26.305 χ^2/NDF: 82.6/47

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: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

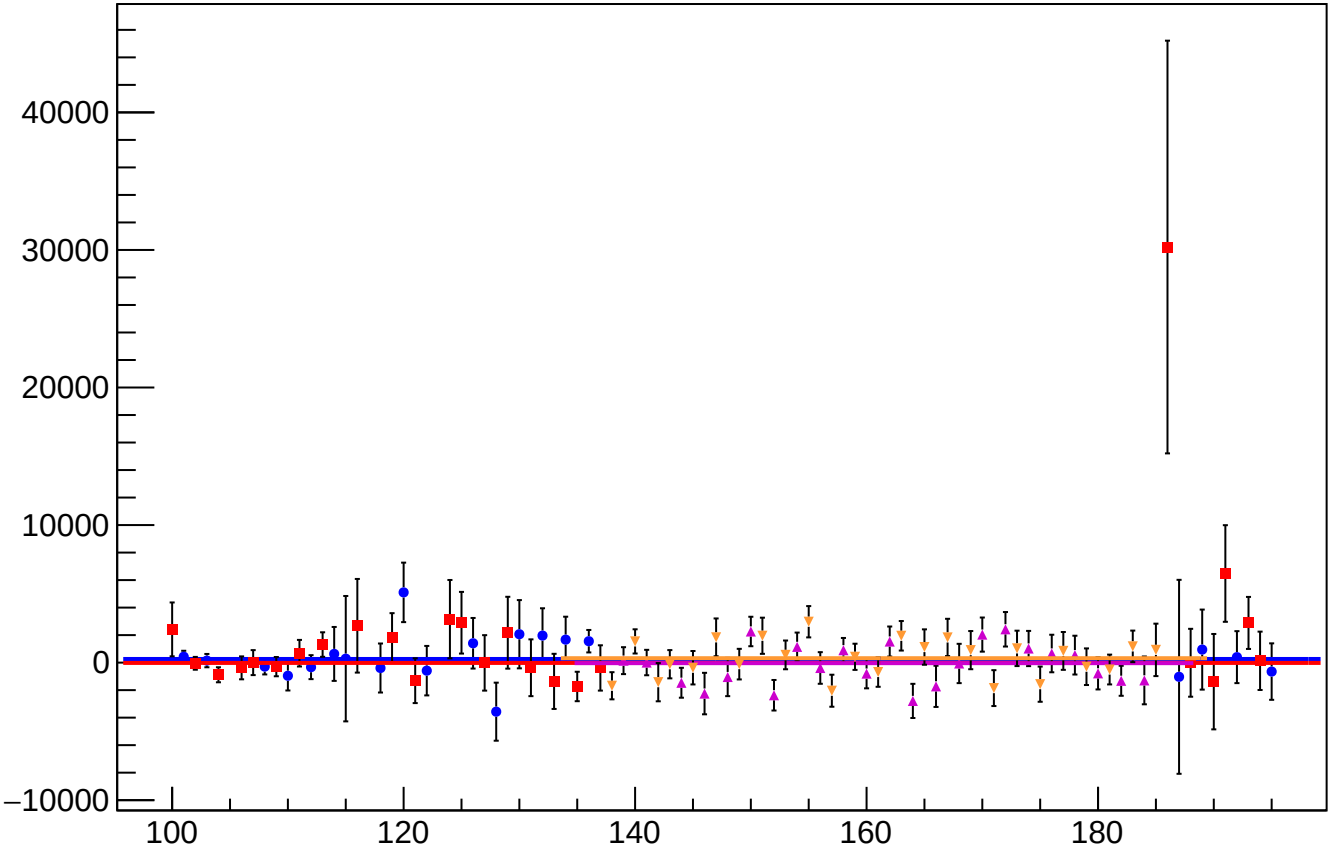
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 138.710+/-0.019 χ^2/NDF: 3103011.5/44

All: 137.837+/-0.013 χ^2/NDF: 7519876.2/92

- sign 136.973+/-0.019 χ^2/NDF: 4412525.4/47

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: -22.152+/-227.689 χ^2/NDF: 26.3/24

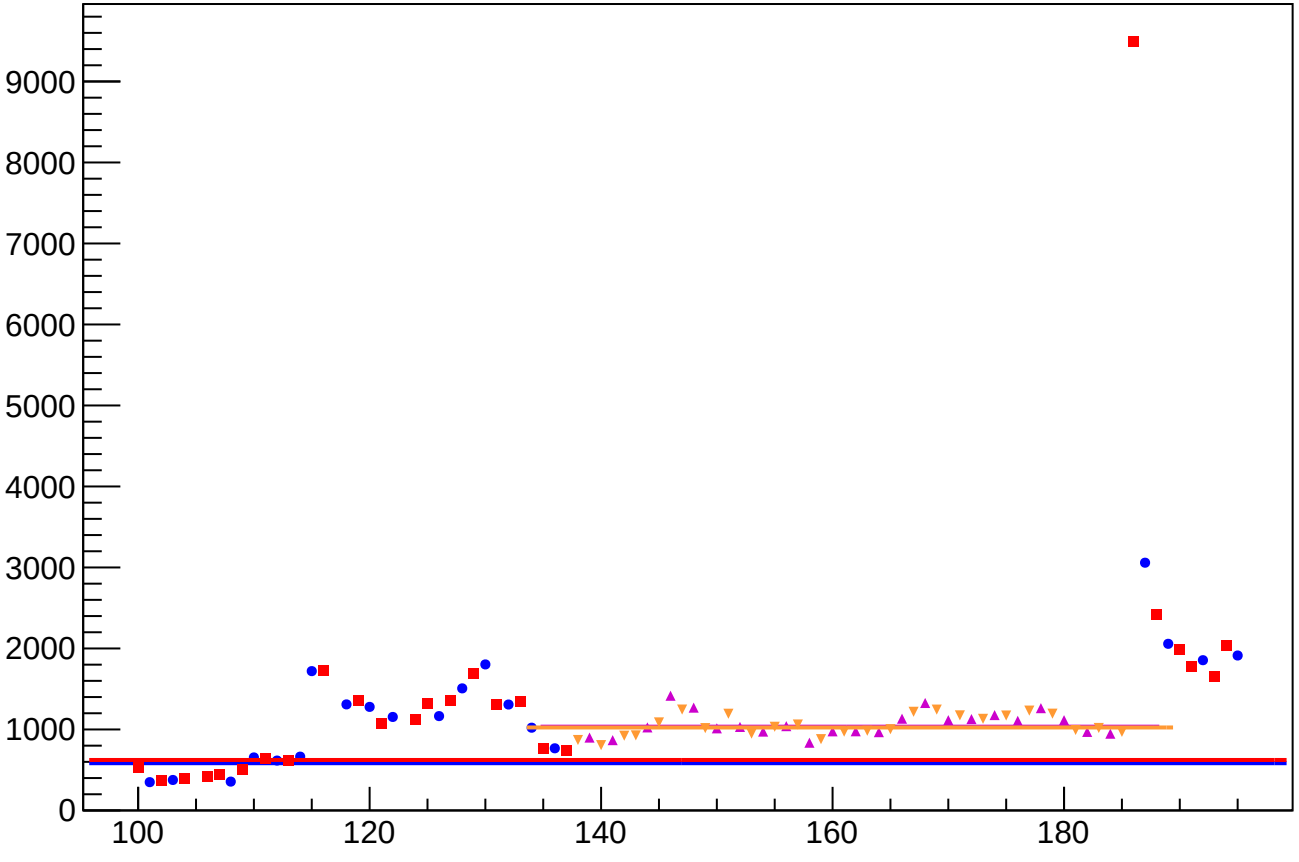
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 291.459+/-163.197 χ^2/NDF: 49.3/44

All: 133.927+/-116.554 χ^2/NDF: 112.3/92

- sign -30.081+/-166.518 χ^2/NDF: 61.0/47

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: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

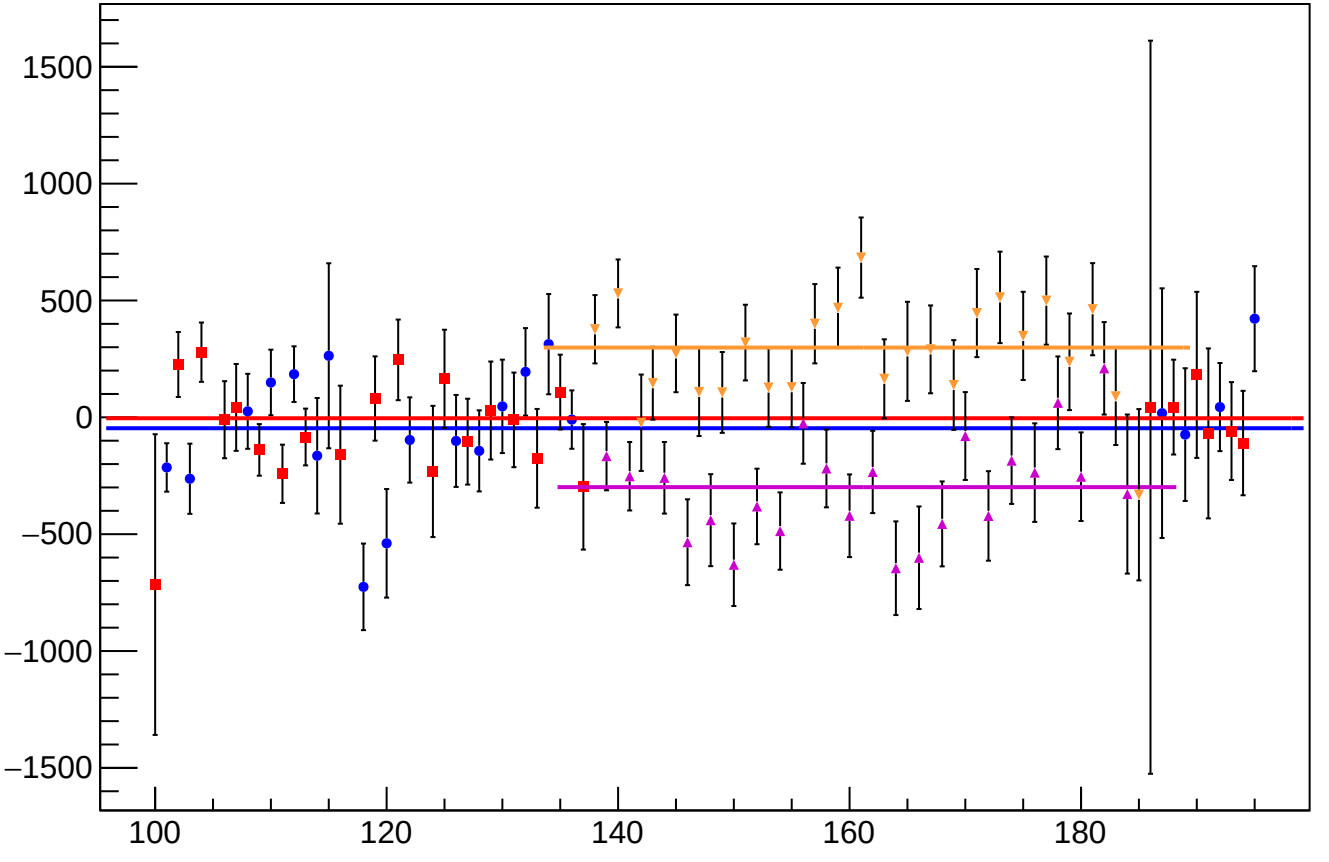
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 795.939+/-0.115 χ^2/NDF: 10470787.3/44

All: 805.018+/-0.082 χ^2/NDF: 21177350.6/92

- sign 814.471+/-0.118 χ^2/NDF: 10693928.7/47

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: -3.908+/-36.696 χ^2/NDF: 21.8/24

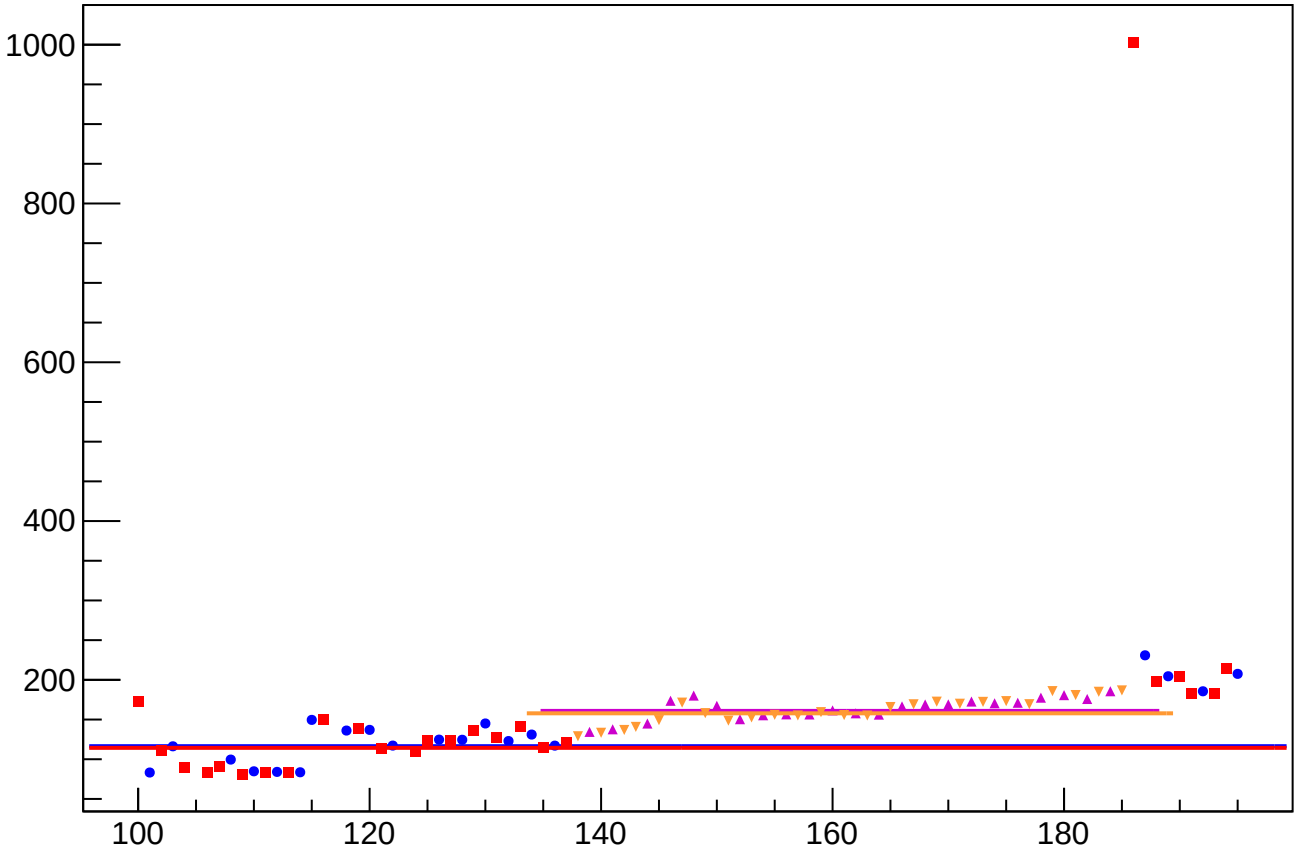
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.089+/-26.444 χ^2/NDF: 107.6/44

All: -4.819+/-18.649 χ^2/NDF: 249.1/92

- sign -147.213+/-26.305 χ^2/NDF: 82.6/47

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: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

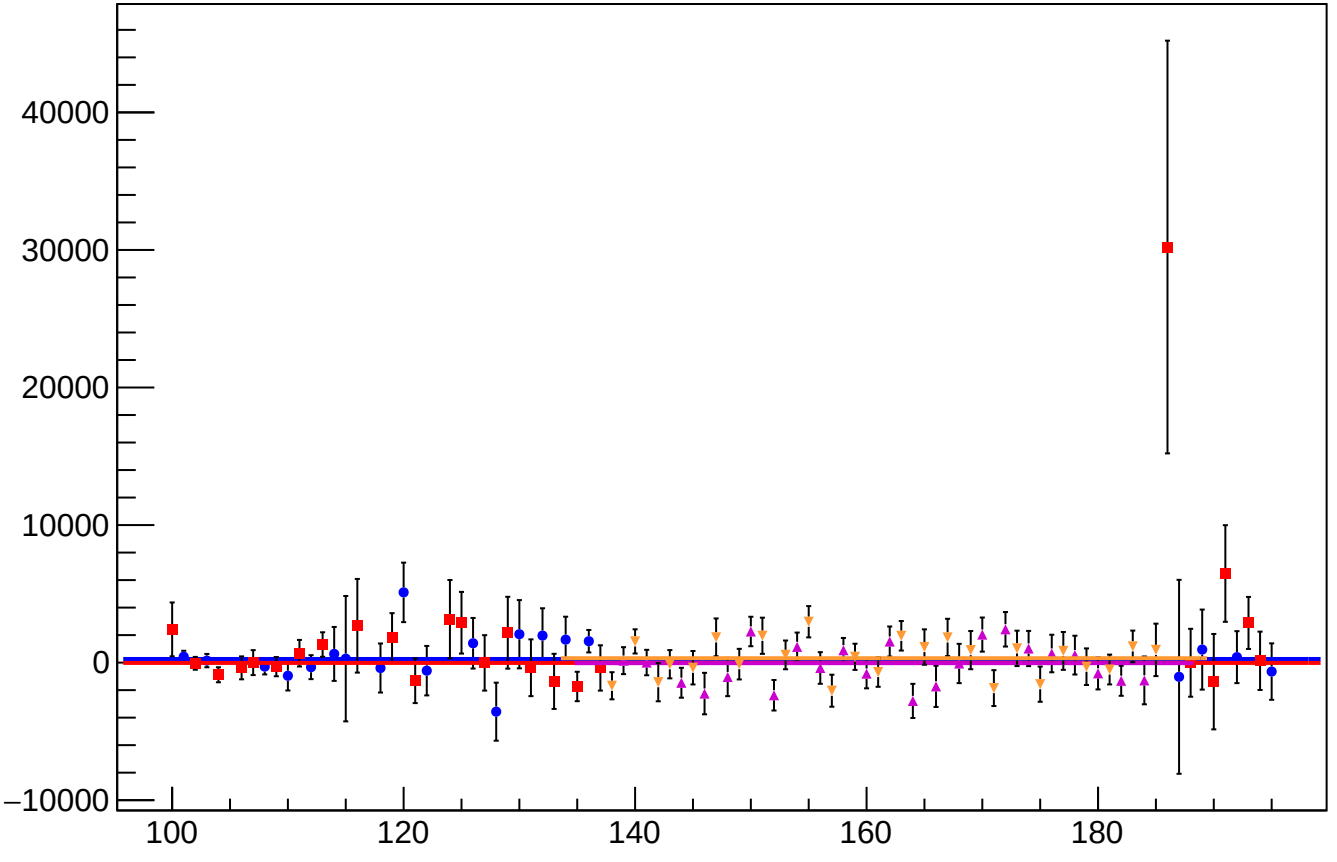
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 138.710+/-0.019 χ^2/NDF: 3103011.5/44

All: 137.837+/-0.013 χ^2/NDF: 7519876.2/92

- sign 136.973+/-0.019 χ^2/NDF: 4412525.4/47

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: -22.152+/-227.689 χ^2/NDF: 26.3/24

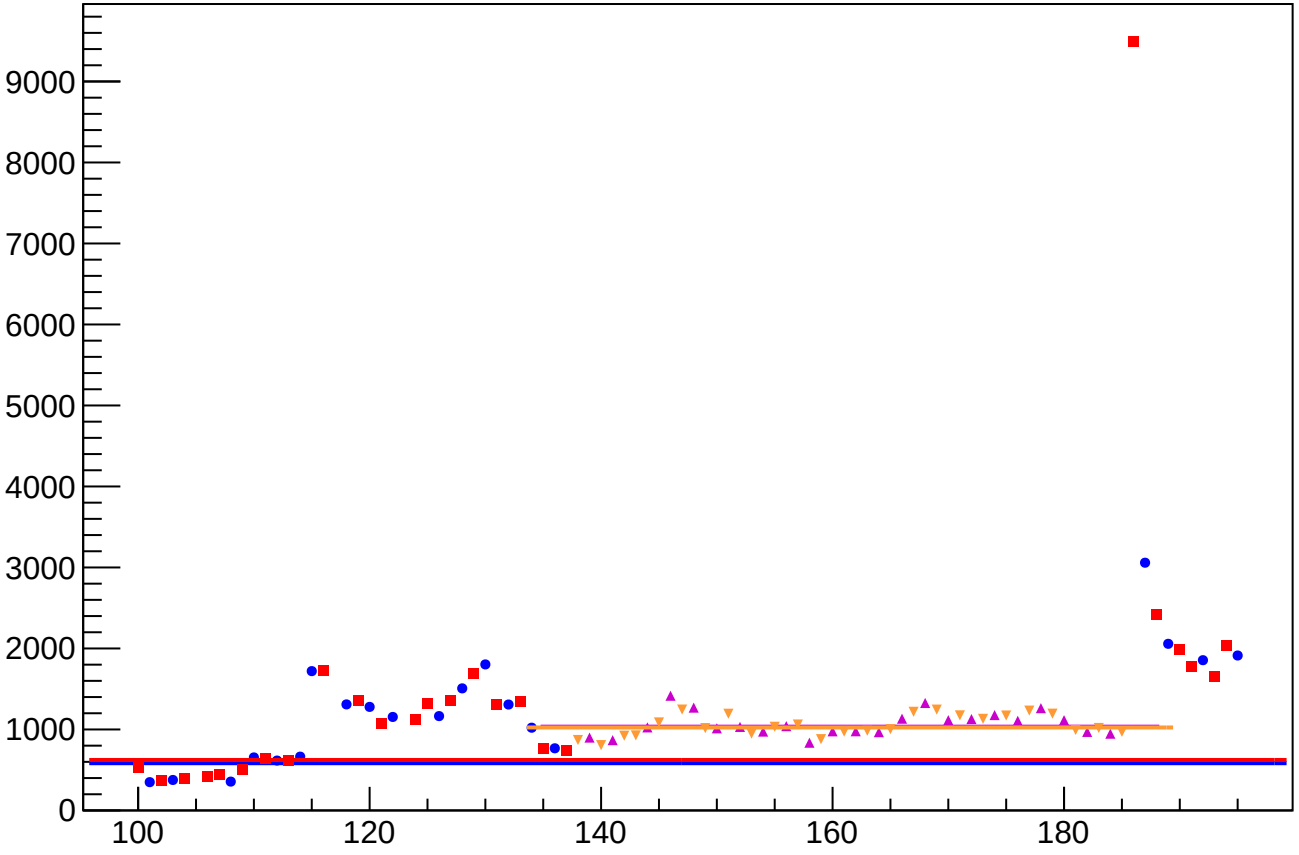
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 291.459+/-163.197 χ^2/NDF: 49.3/44

All: 133.927+/-116.554 χ^2/NDF: 112.3/92

- sign -30.081+/-166.518 χ^2/NDF: 61.0/47

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: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

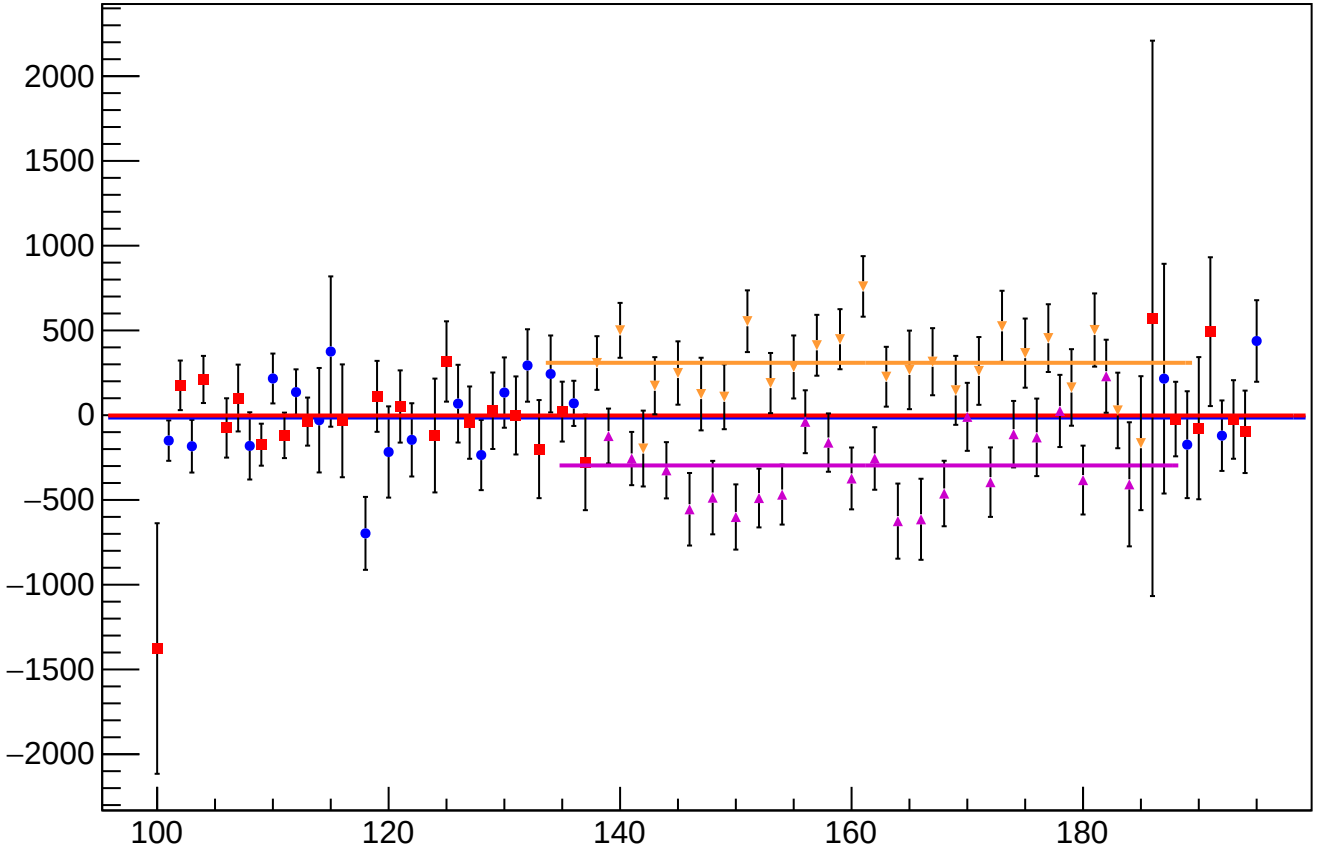
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 795.939+/-0.115 χ^2/NDF: 10470787.3/44

All: 805.018+/-0.082 χ^2/NDF: 21177350.6/92

- sign 814.471+/-0.118 χ^2/NDF: 10693928.7/47

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: -1.870+/-41.016 χ^2/NDF: 15.9/24

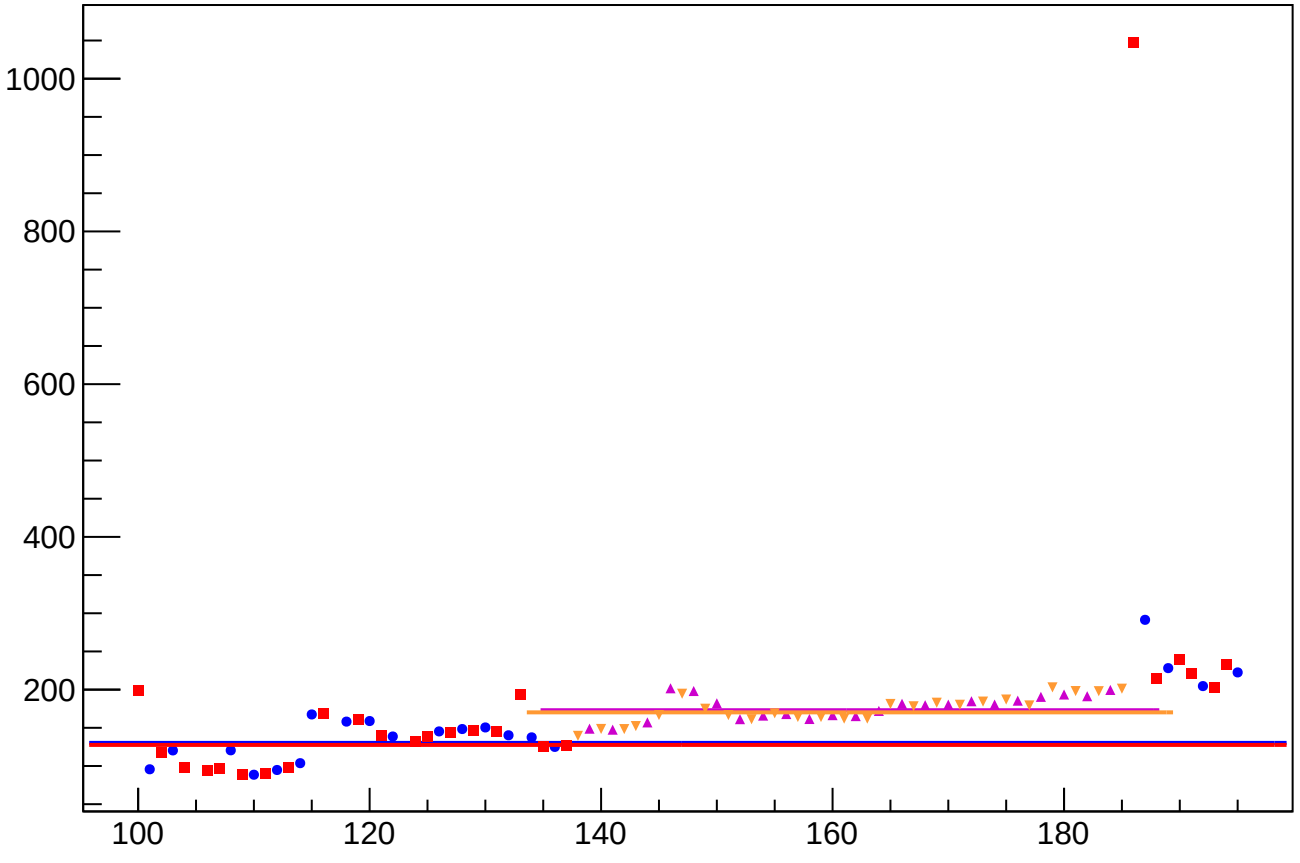
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 165.778+/-29.013 χ^2/NDF: 84.5/44

All: 6.702+/-20.460 χ^2/NDF: 214.1/92

- sign -150.661+/-28.857 χ^2/NDF: 69.8/47

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: 127.612+/-0.029 χ^2/NDF: 2693073.0/24

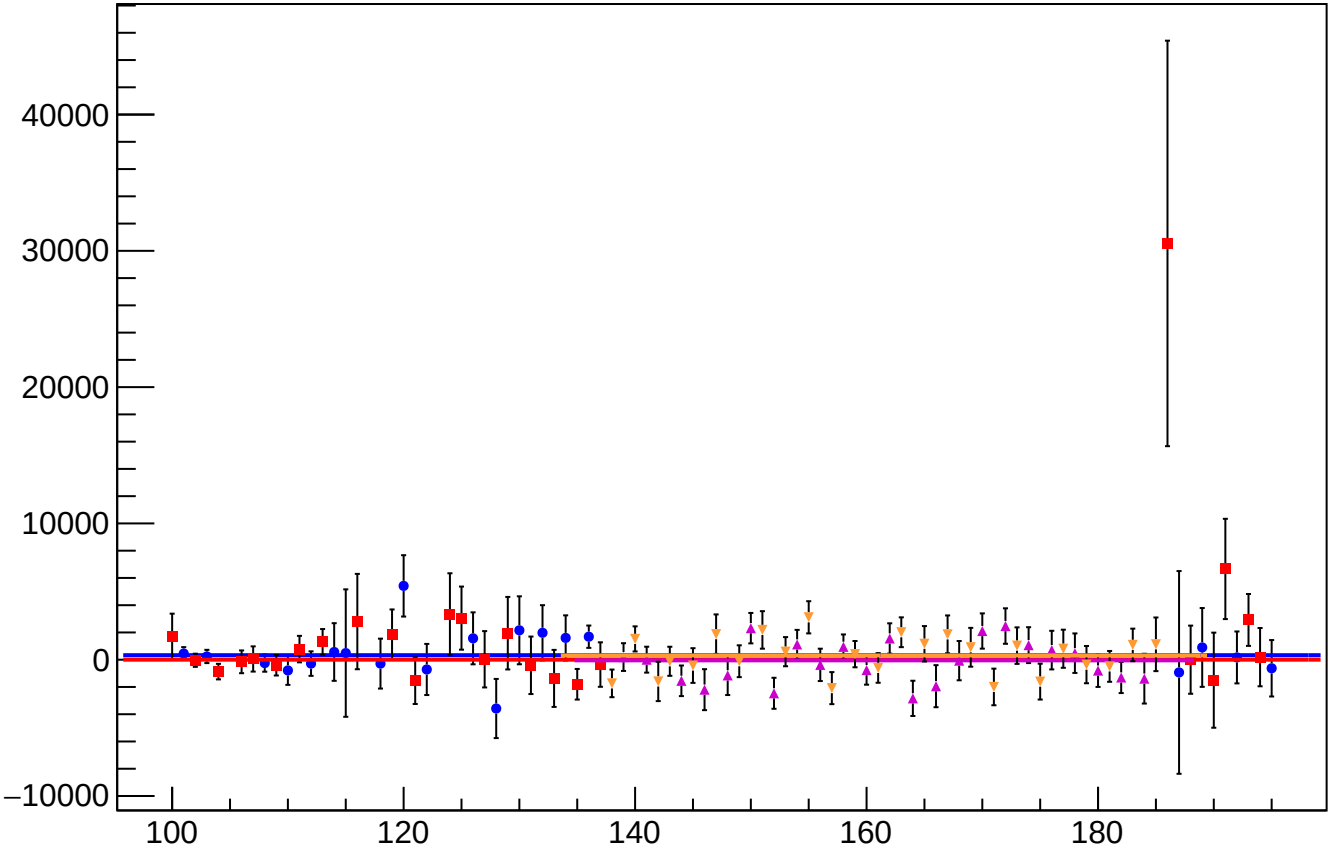
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 152.500+/-0.021 χ^2/NDF: 2781433.1/44

All: 151.518+/-0.014 χ^2/NDF: 7010906.4/92

- sign 150.546+/-0.020 χ^2/NDF: 4224908.7/47

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: 2.665+/-235.004 χ^2/NDF: 25.4/24

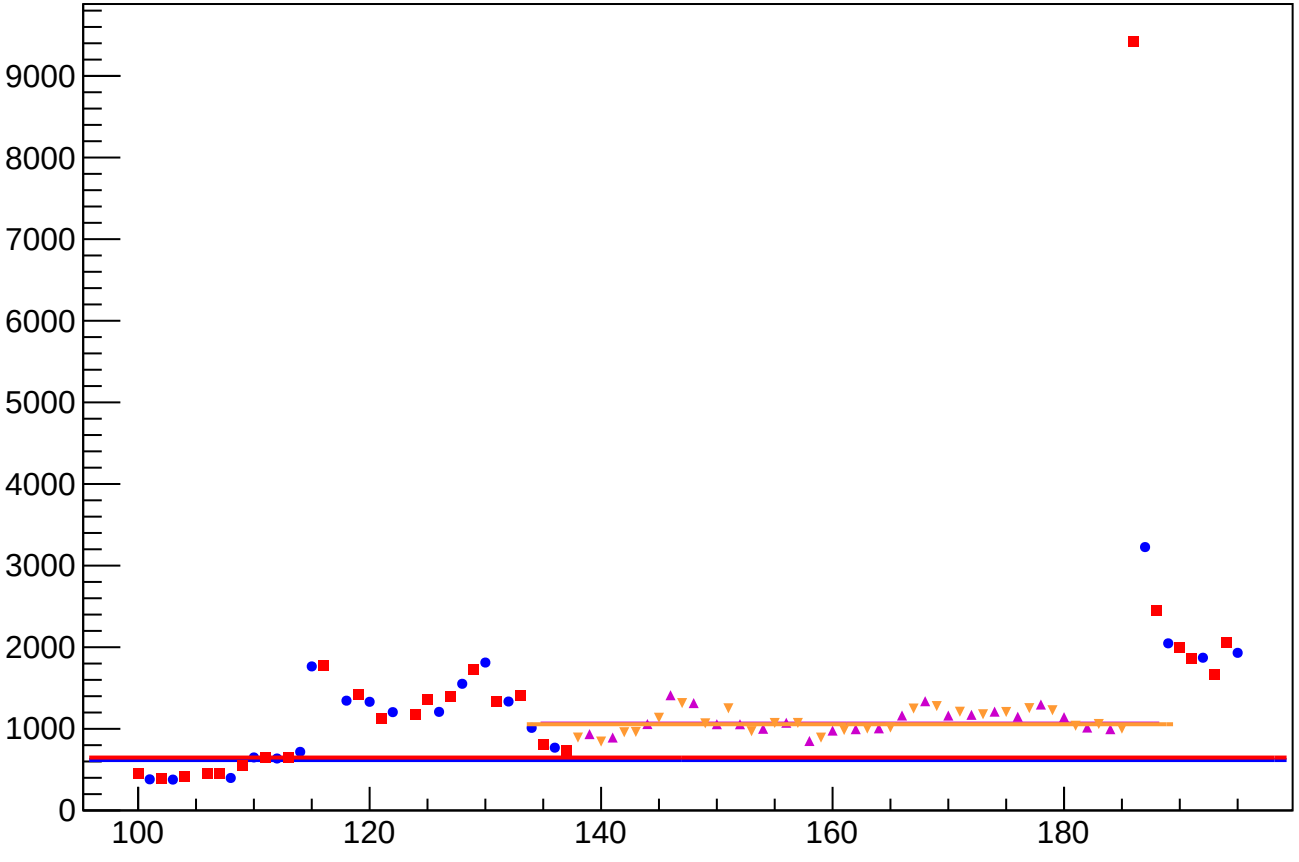
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.698+/-169.499 χ^2/NDF: 49.4/44

All: 153.185+/-120.600 χ^2/NDF: 111.3/92

- sign -20.618+/-171.630 χ^2/NDF: 59.8/47

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: 648.302+/-0.166 χ^2/NDF: 6930976.7/24

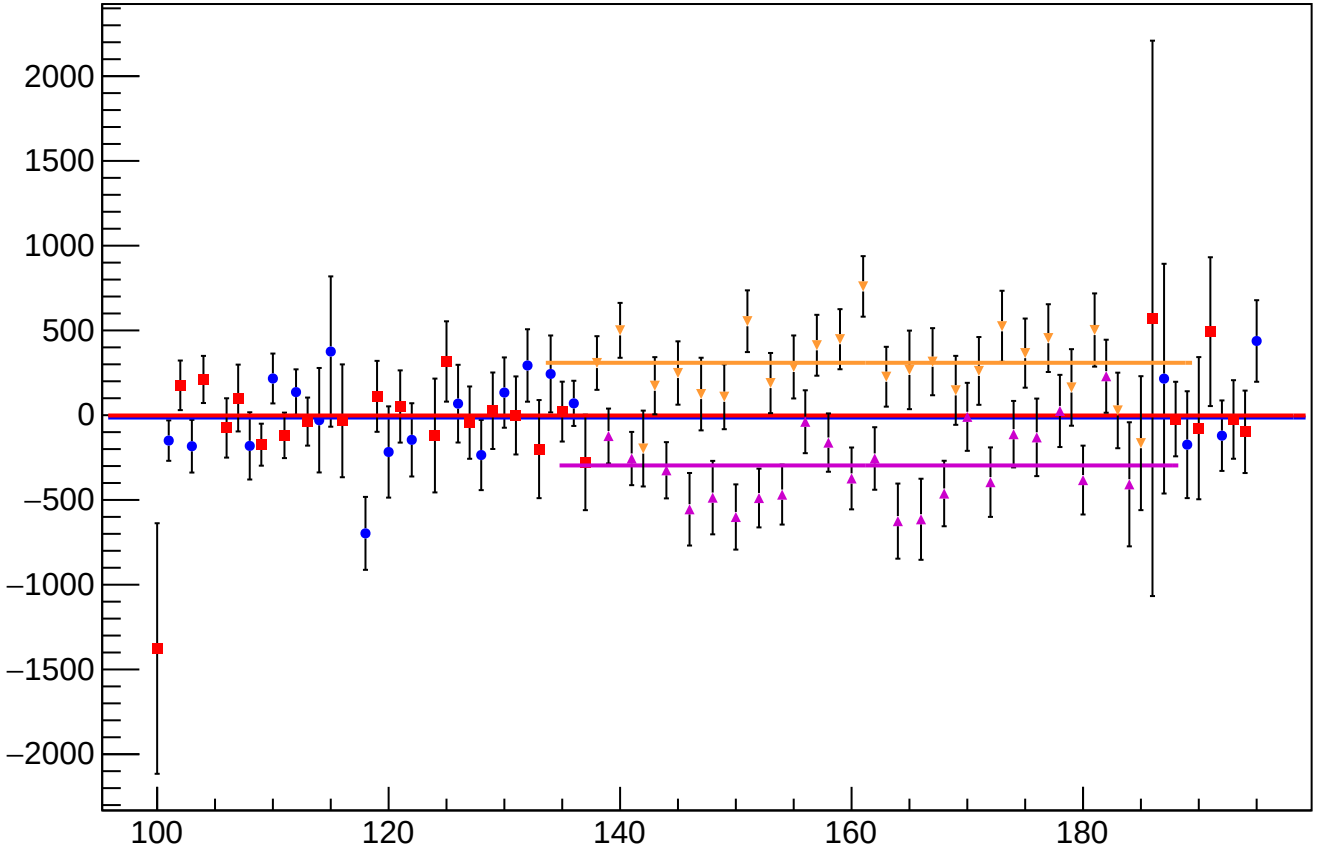
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 832.006+/-0.120 χ^2/NDF: 9891261.9/44

All: 837.236+/-0.085 χ^2/NDF: 20366996.9/92

- sign 842.599+/-0.121 χ^2/NDF: 10471877.6/47

eigen_dit_asym_sam6_mean vs Slug



Right In: -13.809+/-43.555 χ^2/NDF: 28.4/19

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.871+/-41.016 χ^2/NDF: 15.9/24

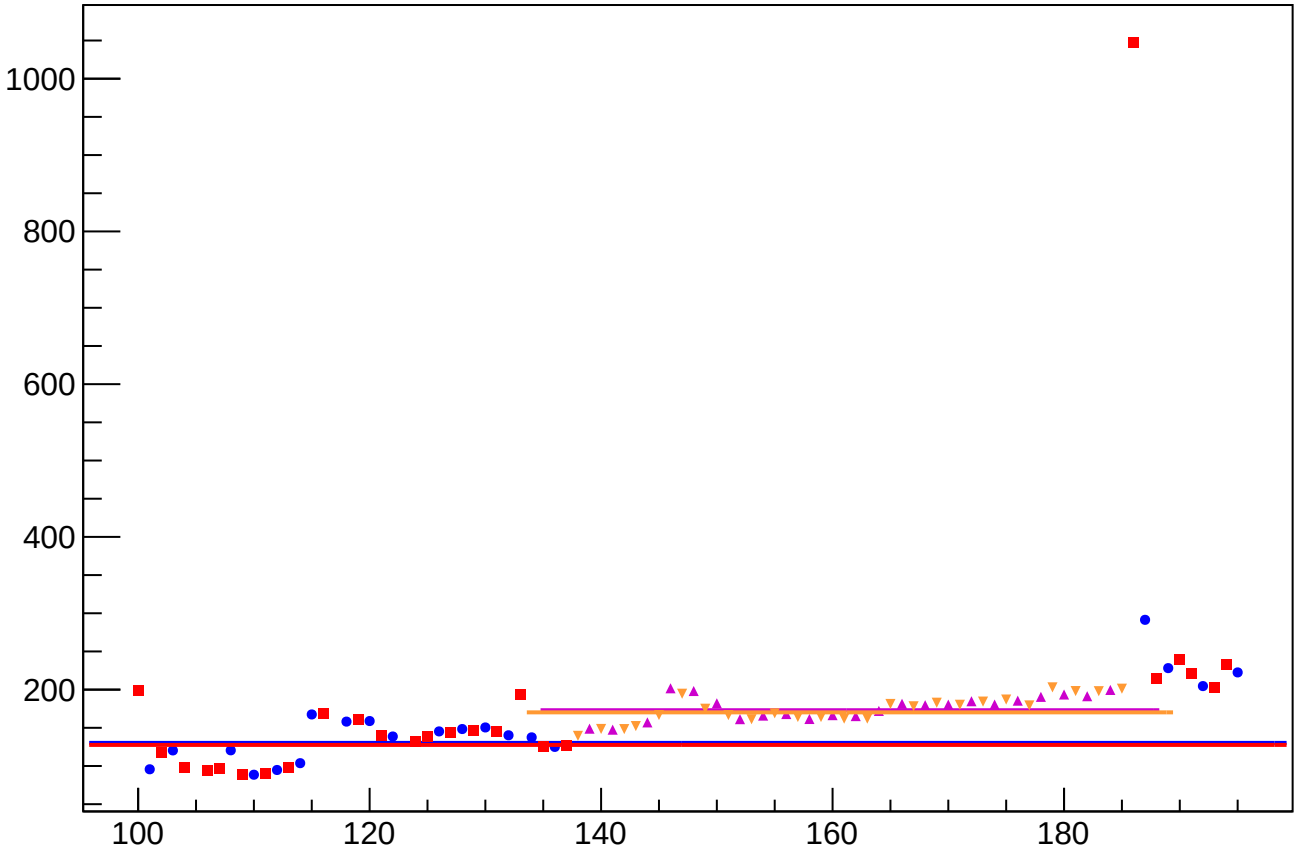
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 165.777+/-29.013 χ^2/NDF: 84.5/44

All: 6.702+/-20.460 χ^2/NDF: 214.1/92

- sign -150.662+/-28.857 χ^2/NDF: 69.8/47

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: 127.611+/-0.029 χ^2/NDF: 2693070.9/24

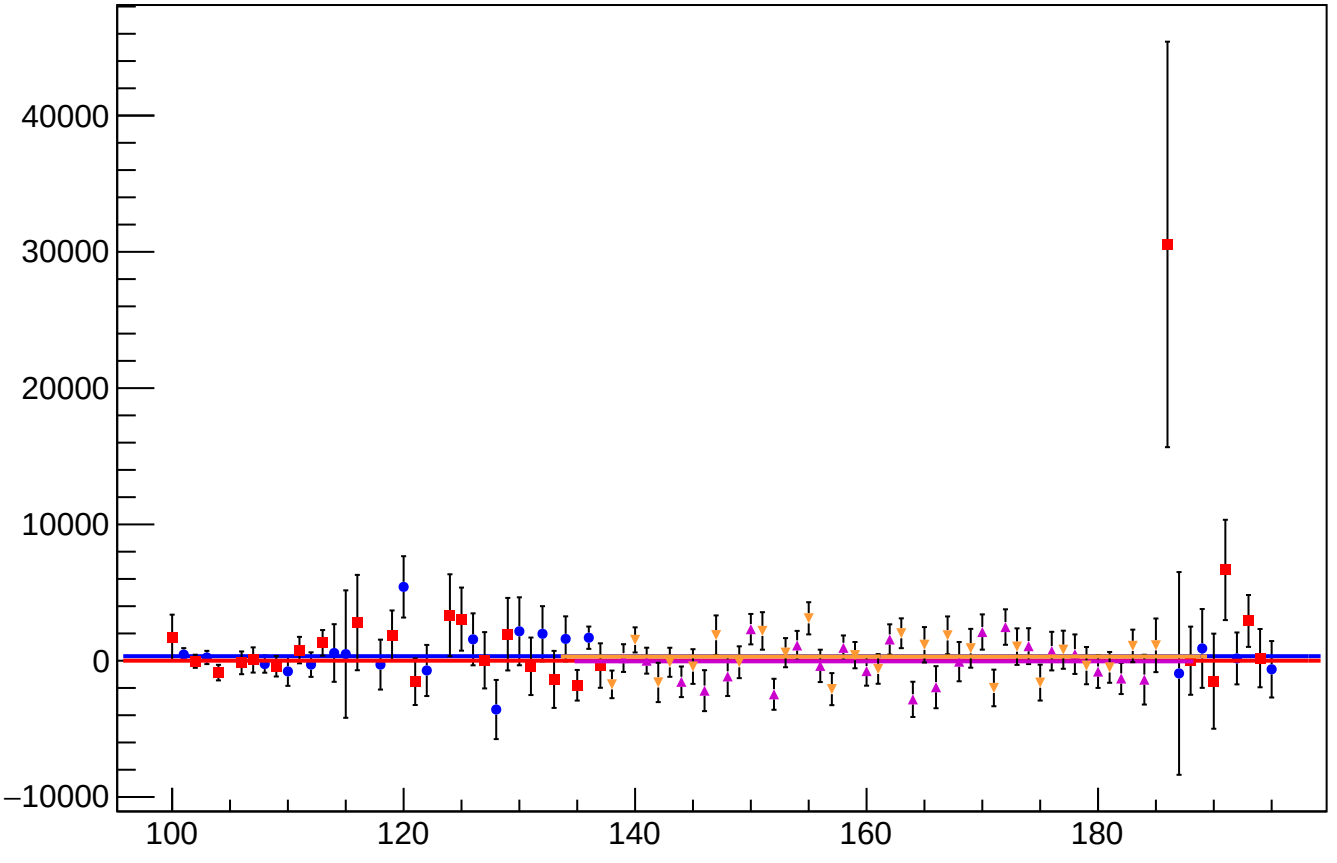
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 152.500+/-0.021 χ^2/NDF: 2781447.7/44

All: 151.517+/-0.014 χ^2/NDF: 7010925.1/92

- sign 150.545+/-0.020 χ^2/NDF: 4224912.8/47

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: 2.664+/-235.004 χ^2/NDF: 25.4/24

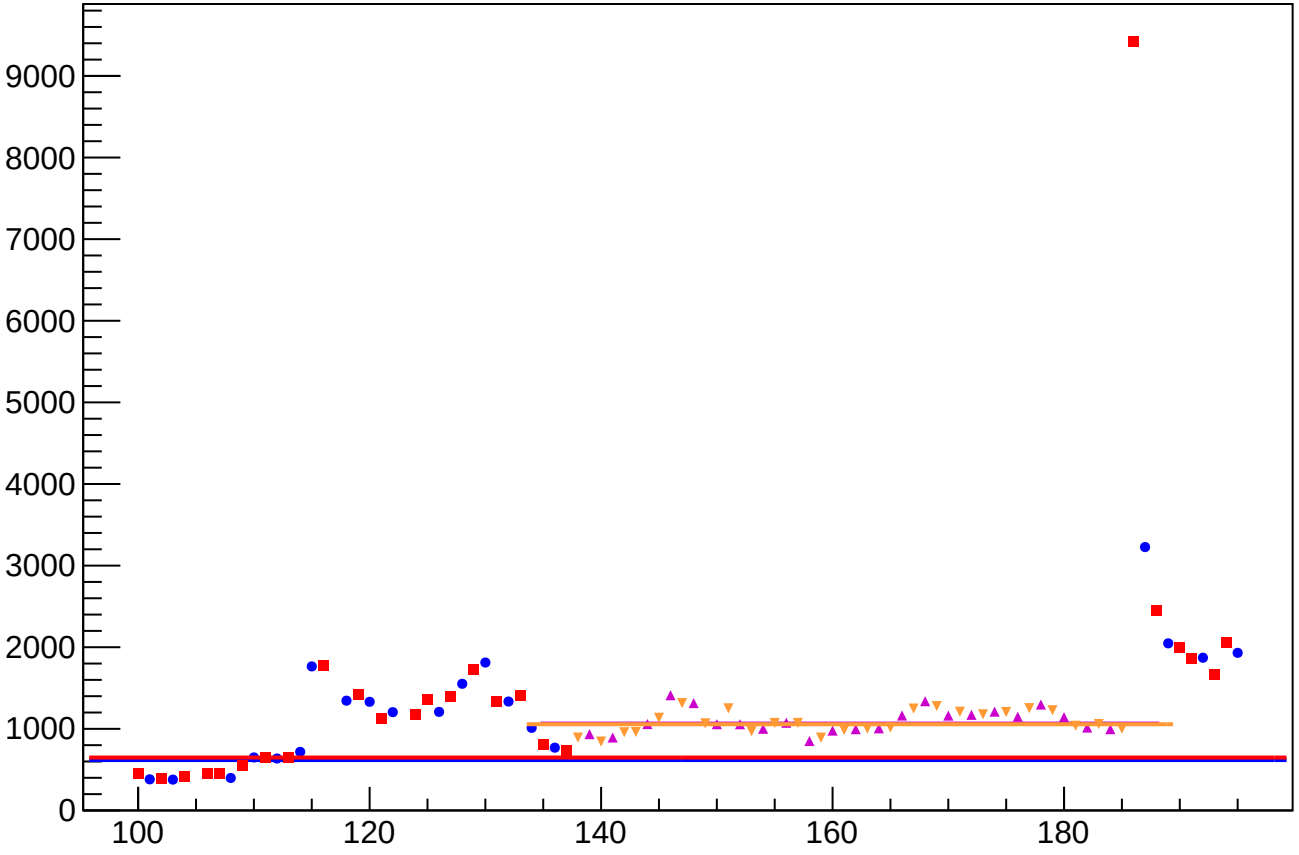
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.698+/-169.499 χ^2/NDF: 49.4/44

All: 153.184+/-120.600 χ^2/NDF: 111.3/92

- sign -20.618+/-171.630 χ^2/NDF: 59.8/47

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: 648.301+/-0.166 χ^2/NDF: 6930979.0/24

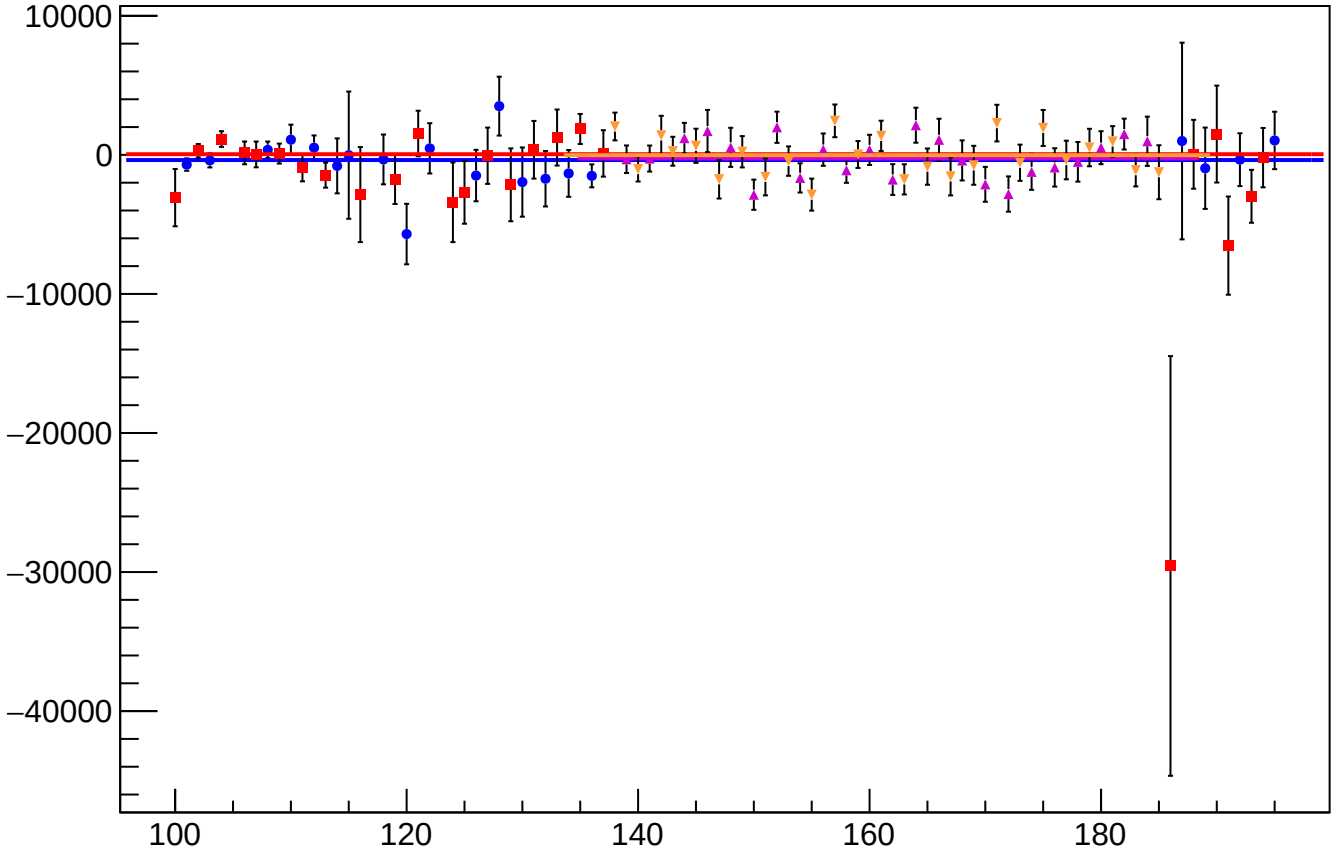
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 832.005+/-0.120 χ^2/NDF: 9891292.2/44

All: 837.236+/-0.085 χ^2/NDF: 20367042.9/92

- sign 842.599+/-0.121 χ^2/NDF: 10471893.2/47

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: 47.576+/-232.846 χ^2/NDF: 29.5/24

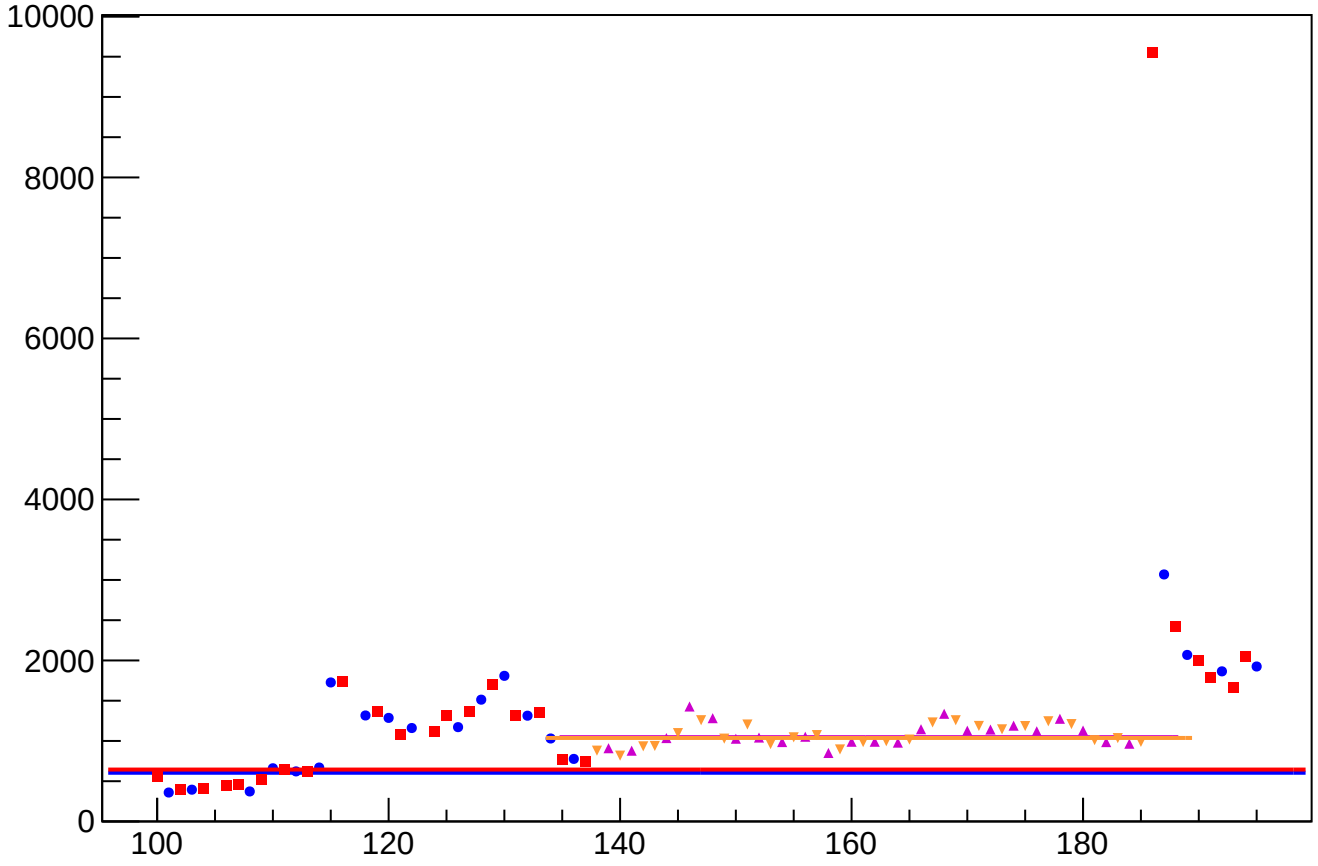
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -199.320+/-166.593 χ^2/NDF: 54.1/44

All: -147.991+/-118.812 χ^2/NDF: 118.2/92

- sign -94.859+/-169.495 χ^2/NDF: 63.9/47

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

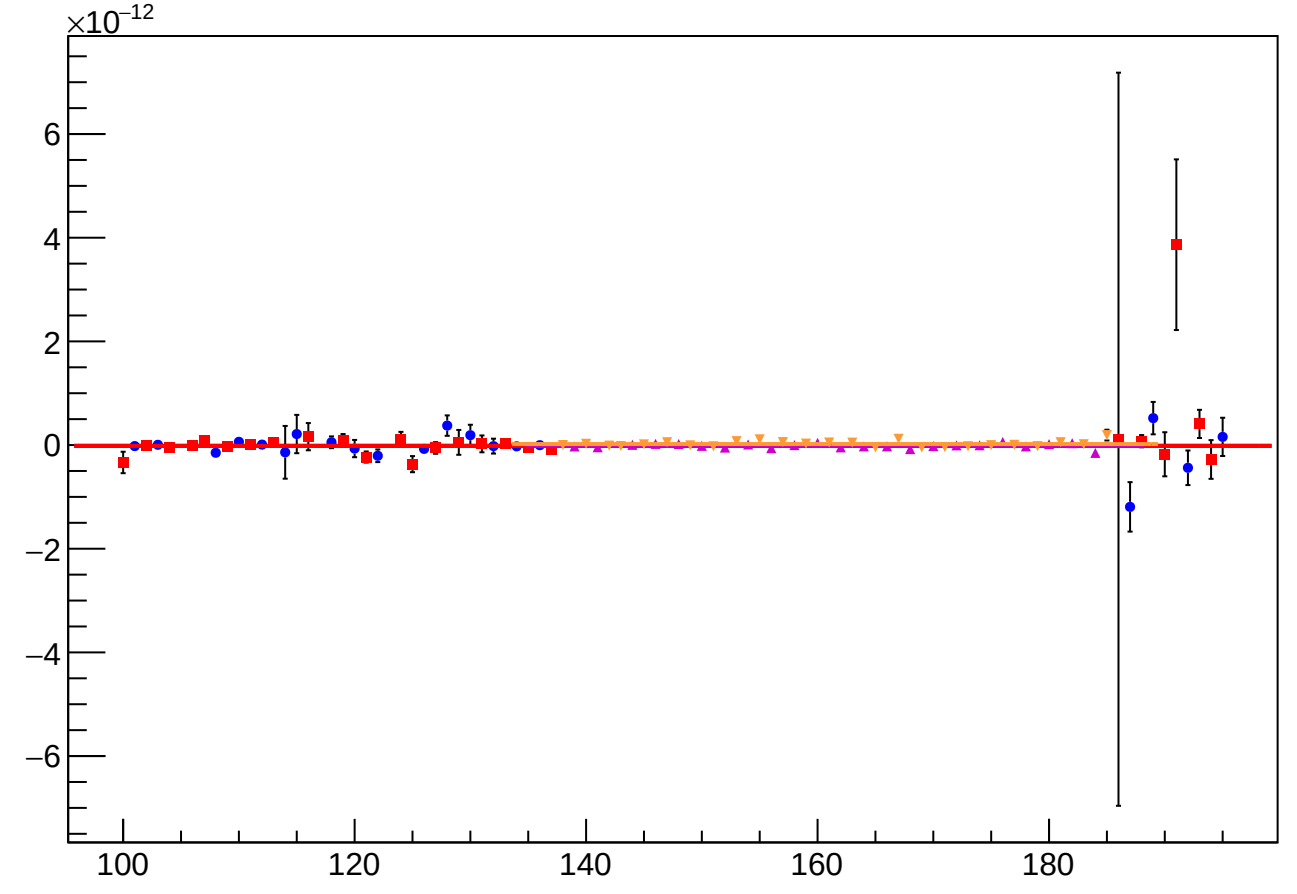
Right Out: 644.665+/-0.165 χ^2/NDF: 6803103.7/24

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 816.821+/-0.118 χ^2/NDF: 9964038.2/44

All: 825.315+/-0.084 χ^2/NDF: 20207086.8/92

- sign 834.107+/-0.120 χ^2/NDF: 10232468.9/47



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: 29.1/24

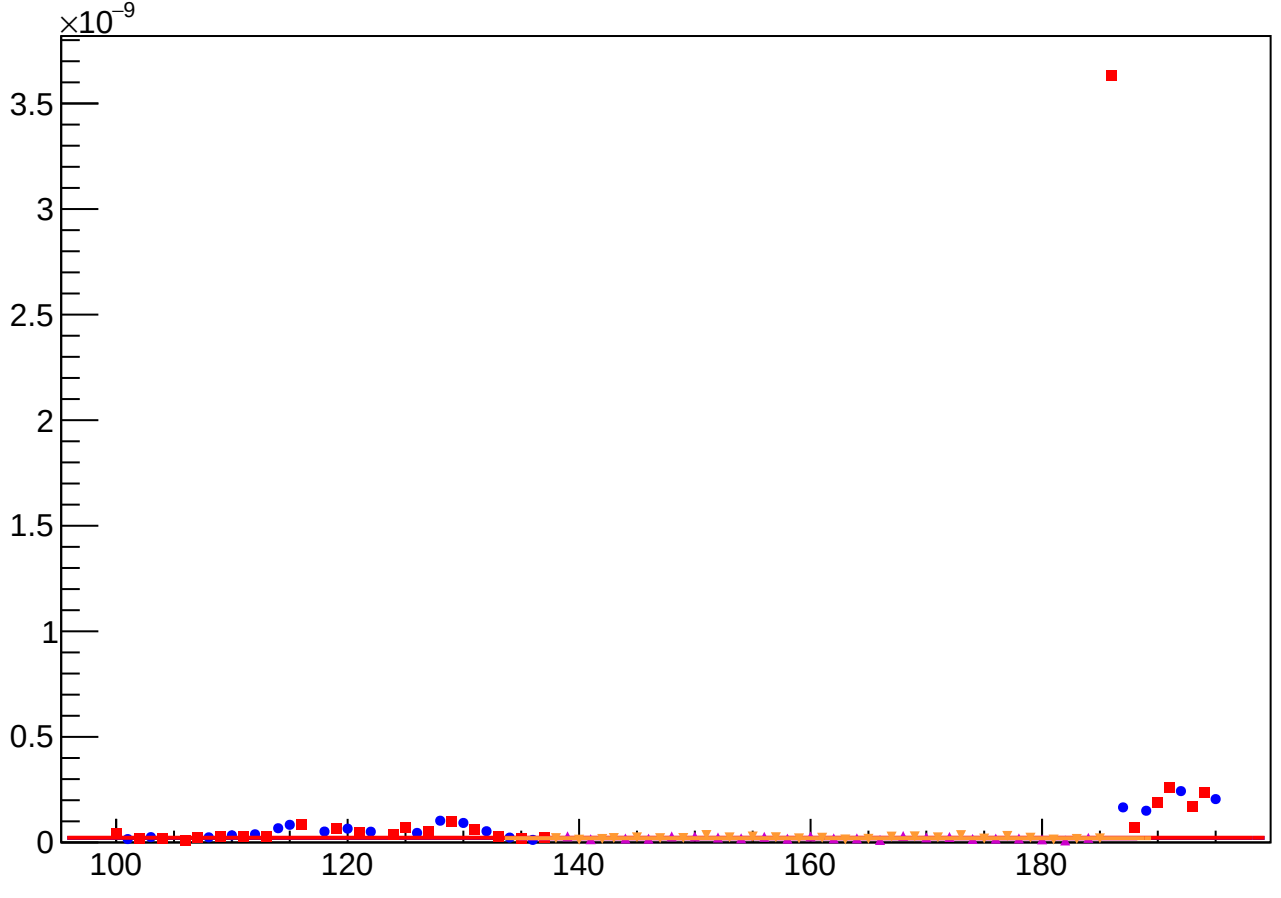
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.6/44

All: 0.000+/-0.000 χ^2/NDF: 114.2/92

- sign -0.000+/-0.000 χ^2/NDF: 48.2/47

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: 4328410.4/24

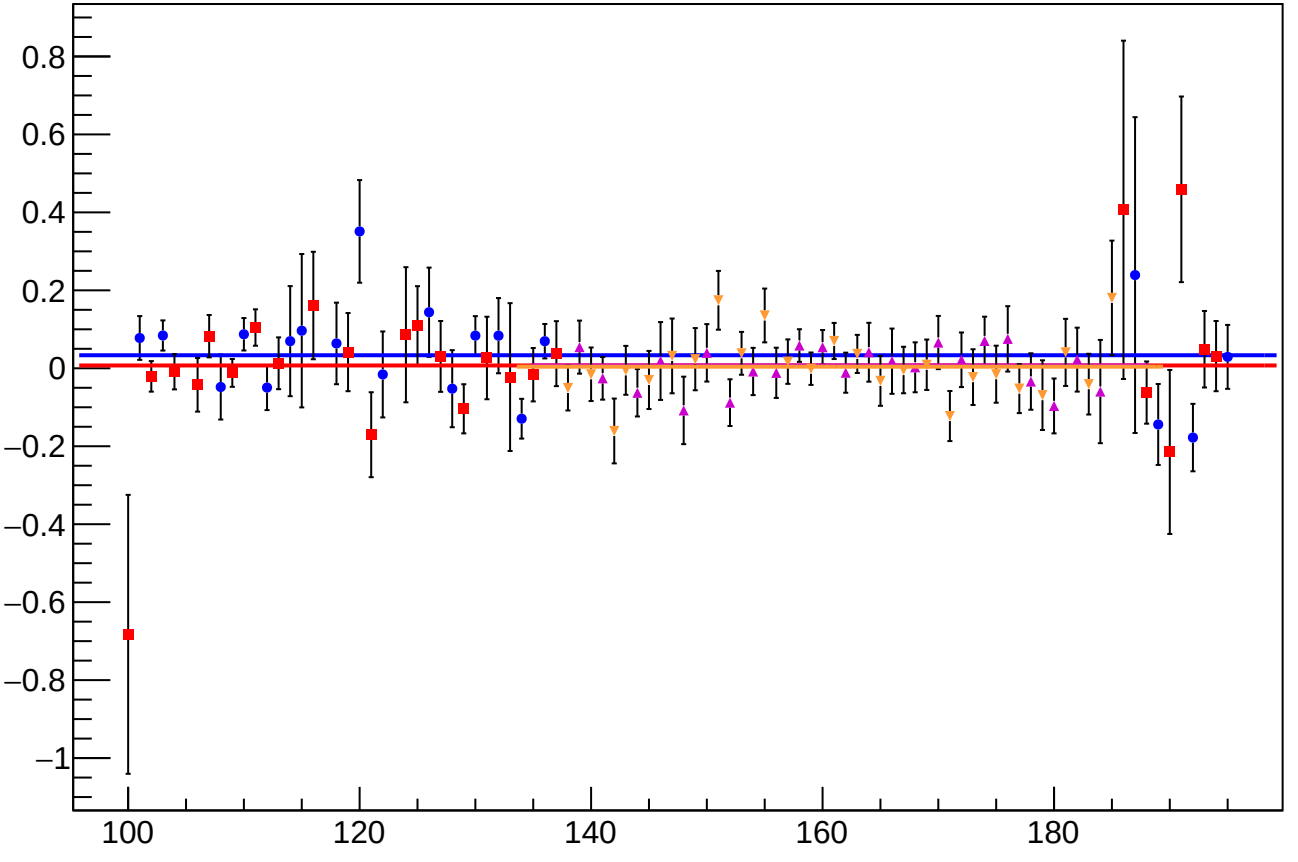
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4927065.8/44

All: 0.000+/-0.000 χ^2/NDF: 10387934.5/92

- sign 0.000+/-0.000 χ^2/NDF: 5456010.4/47

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: 0.007+/-0.014 χ^2/NDF: 26.7/24

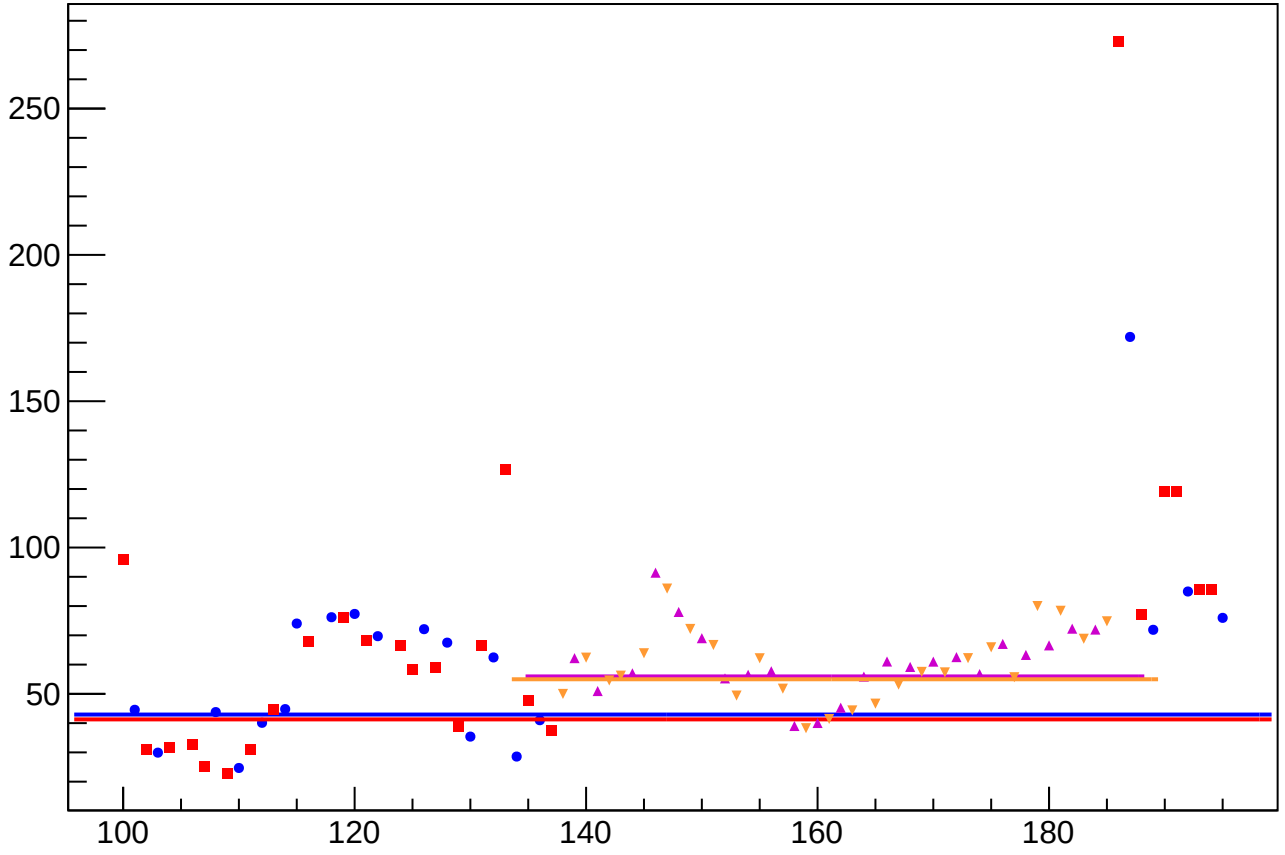
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.012+/-0.007 χ^2/NDF: 105.4/92

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

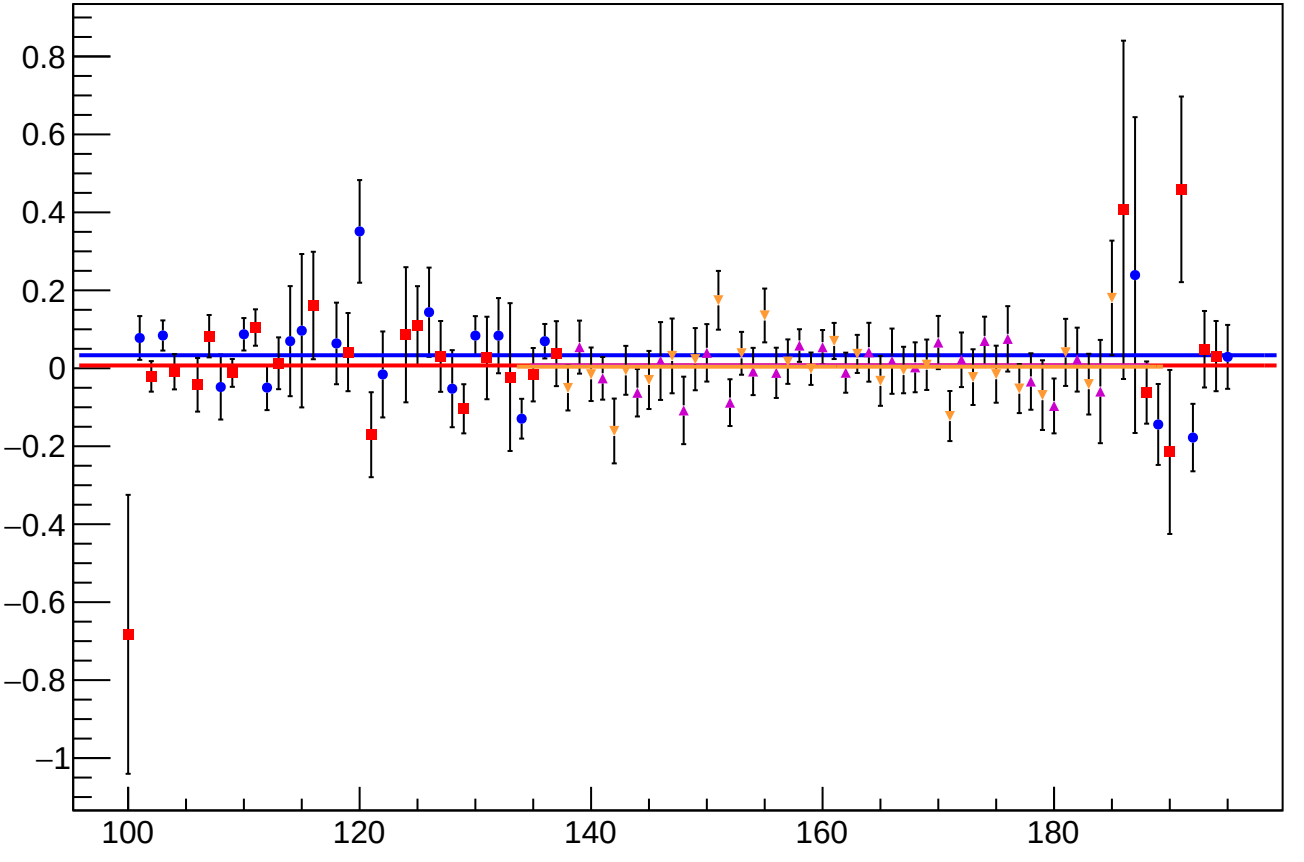
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.948+/-0.007 χ^2/NDF: 5113461.3/44

All: 49.518+/-0.005 χ^2/NDF: 12262862.4/92

- sign 49.090+/-0.007 χ^2/NDF: 7141839.4/47

asym_sam6_dit_vs_eigen_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: 0.007+/-0.014 χ^2/NDF: 26.7/24

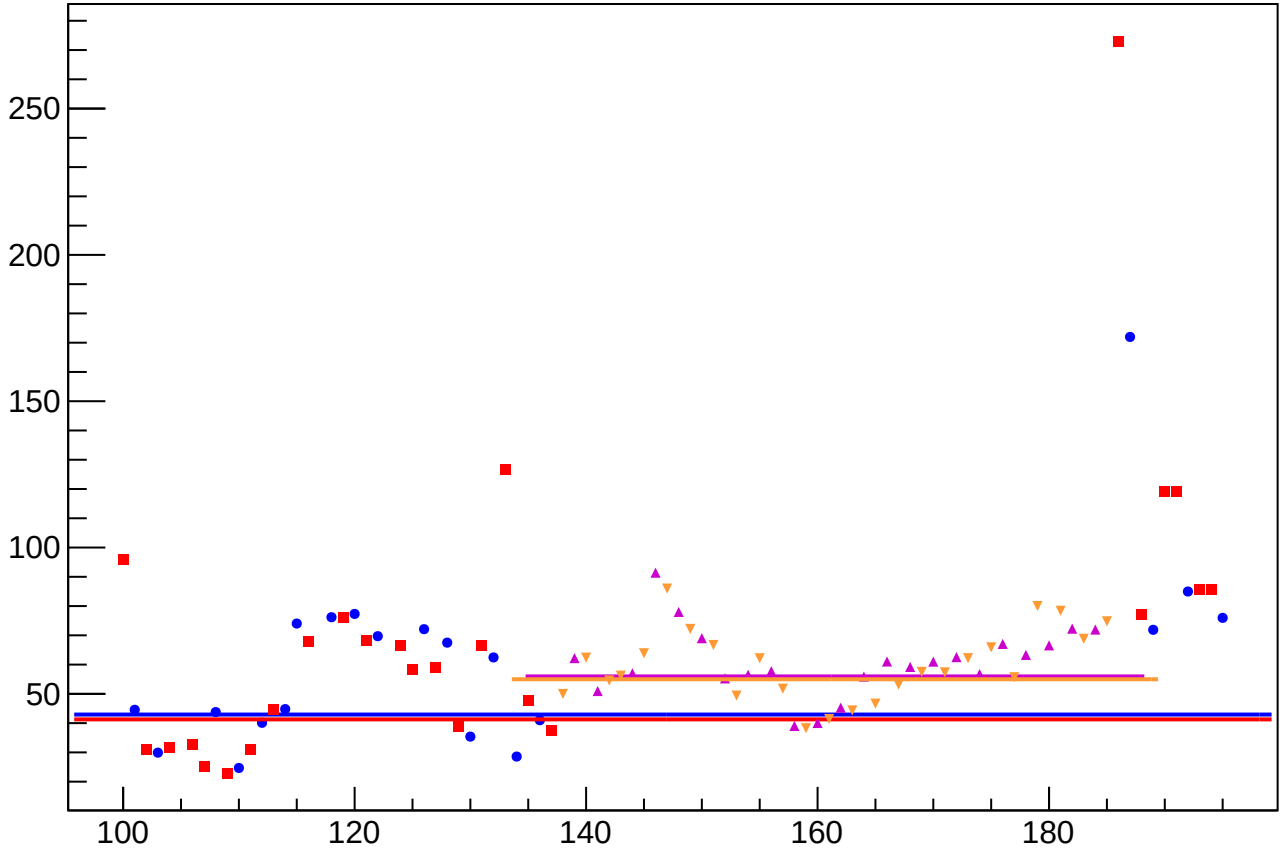
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.012+/-0.007 χ^2/NDF: 105.4/92

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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

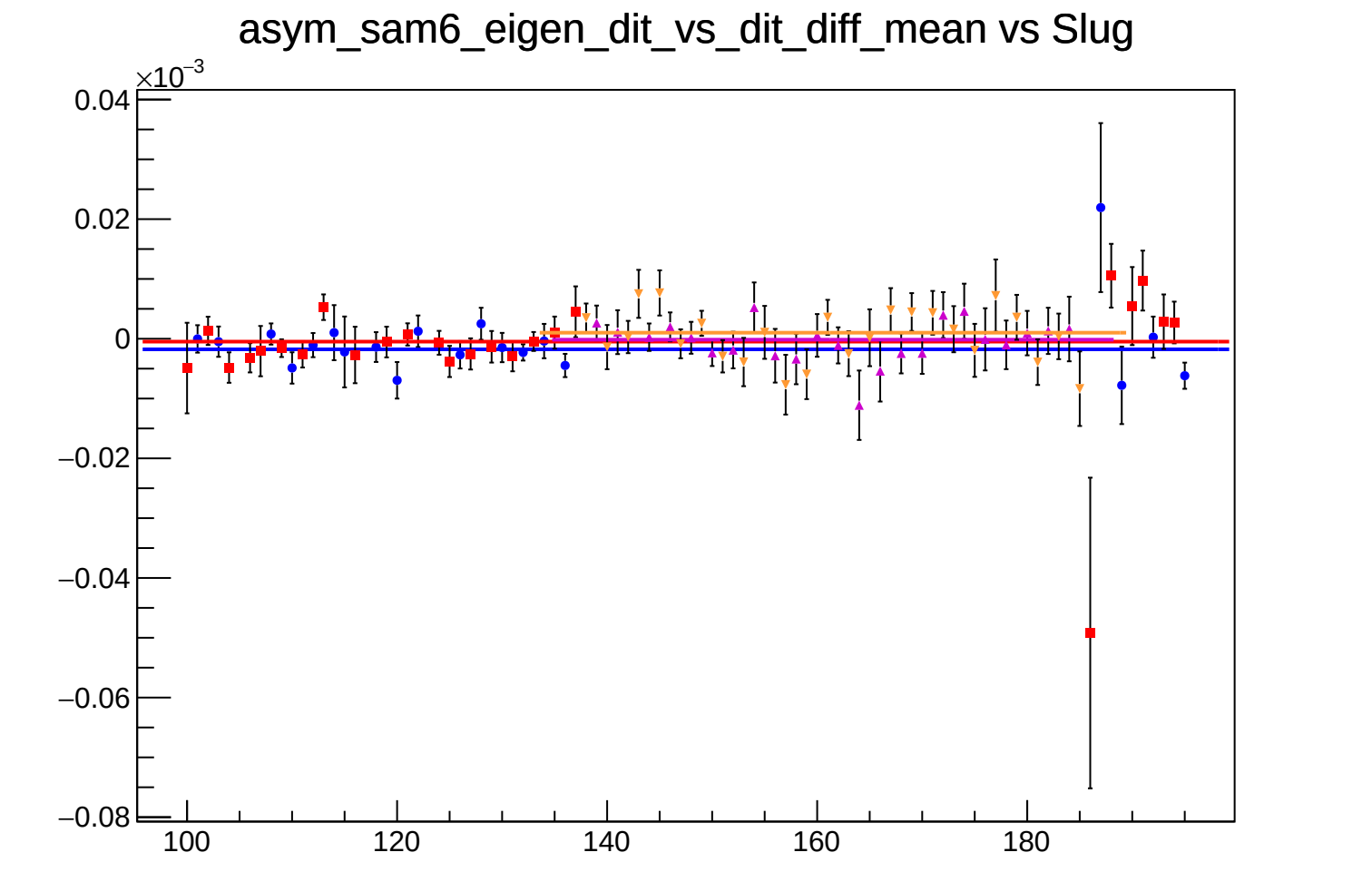
Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.948+/-0.007 χ^2/NDF: 5113461.3/44

All: 49.518+/-0.005 χ^2/NDF: 12262862.4/92

- sign 49.090+/-0.007 χ^2/NDF: 7141839.4/47



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: 33.8/24

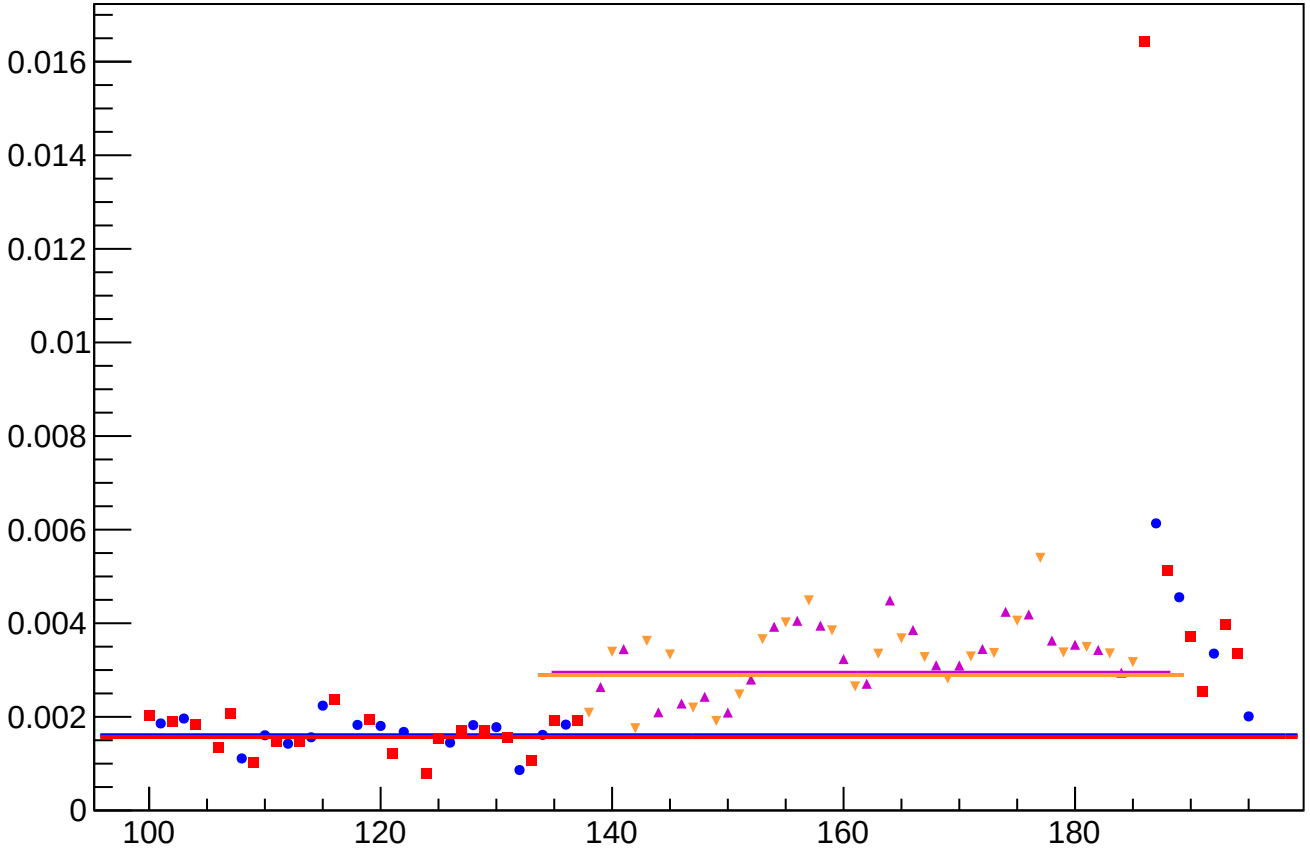
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/44

All: -0.000+/-0.000 χ^2/NDF: 108.9/92

- sign -0.000+/-0.000 χ^2/NDF: 47.9/47

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: 4068142.7/24

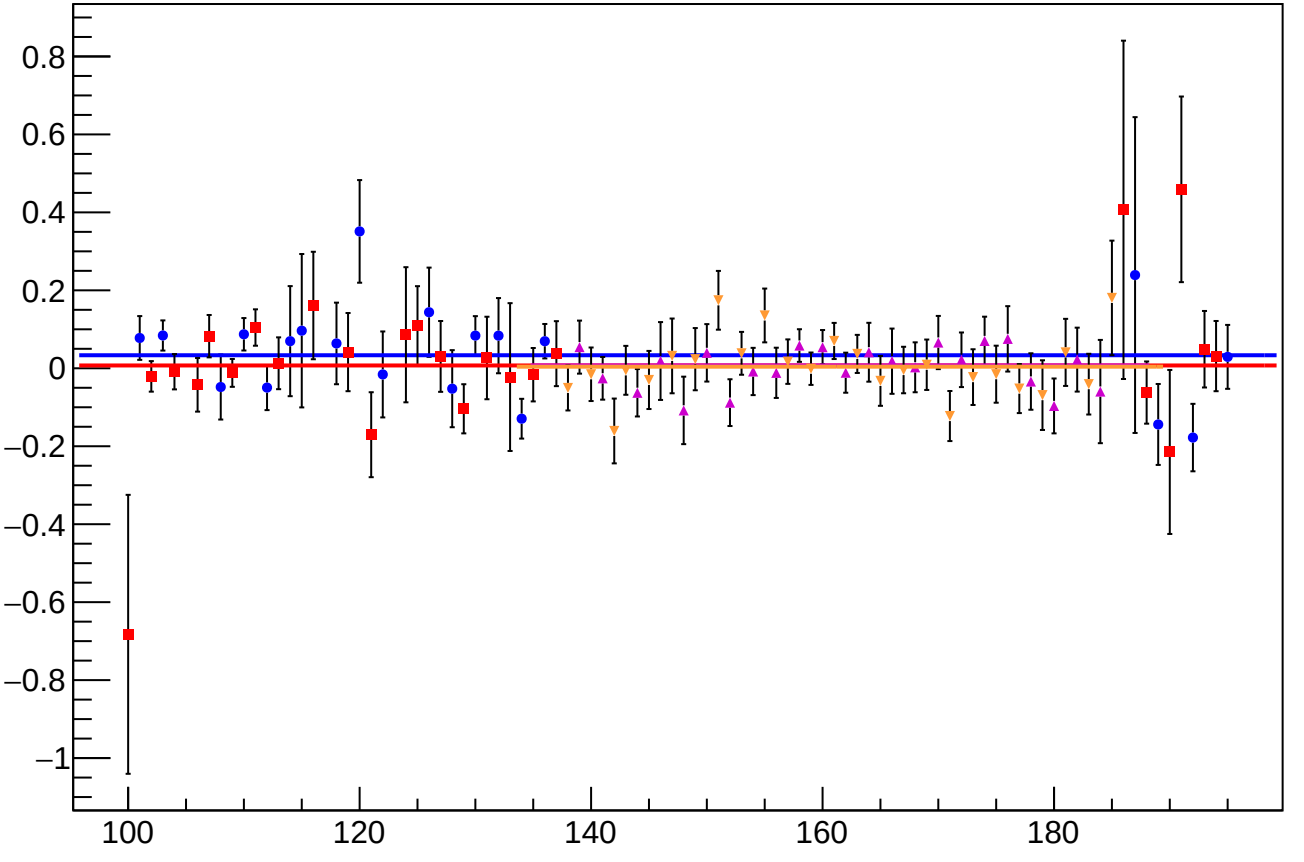
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9061892.5/44

All: 0.002+/-0.000 χ^2/NDF: 19871371.0/92

- sign 0.002+/-0.000 χ^2/NDF: 10791522.5/47

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: 0.007+/-0.014 χ^2/NDF: 26.7/24

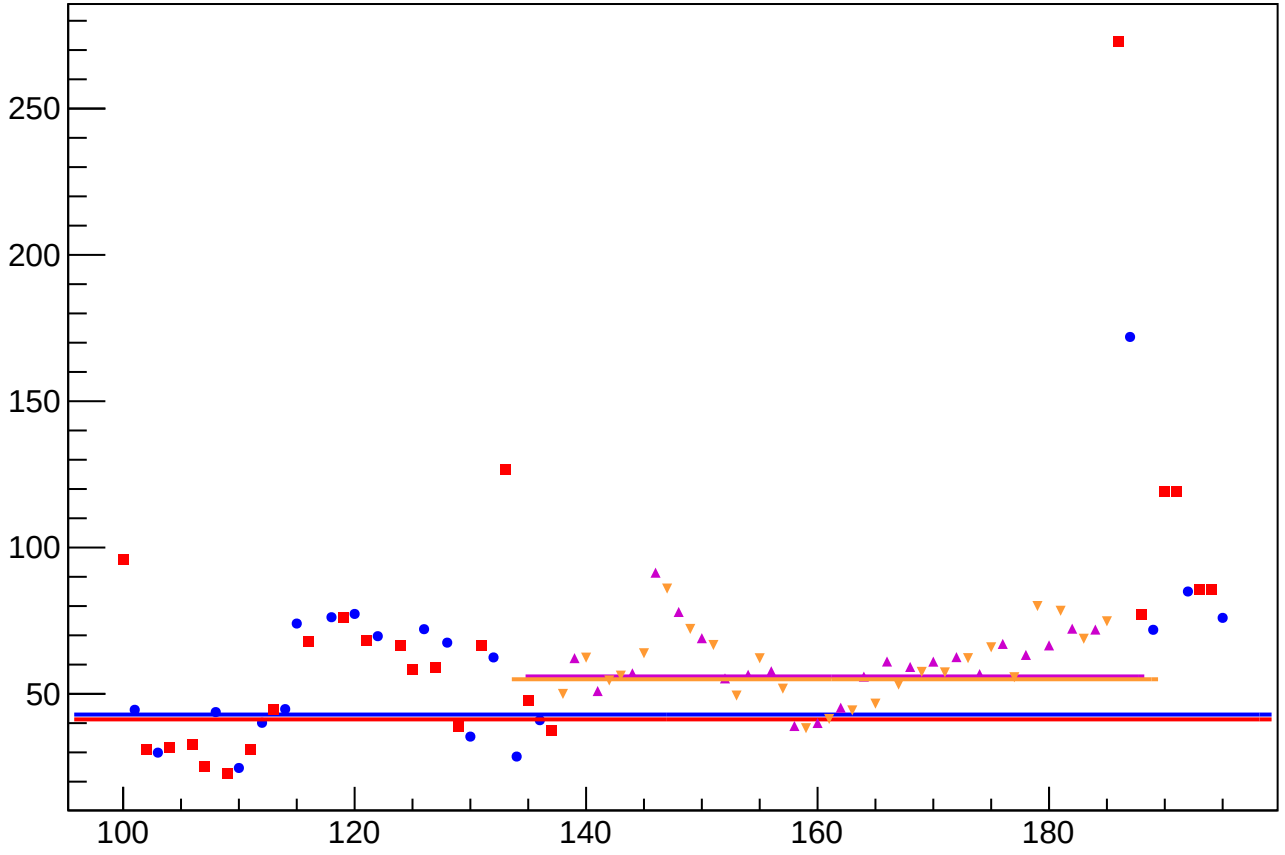
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.012+/-0.007 χ^2/NDF: 105.4/92

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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

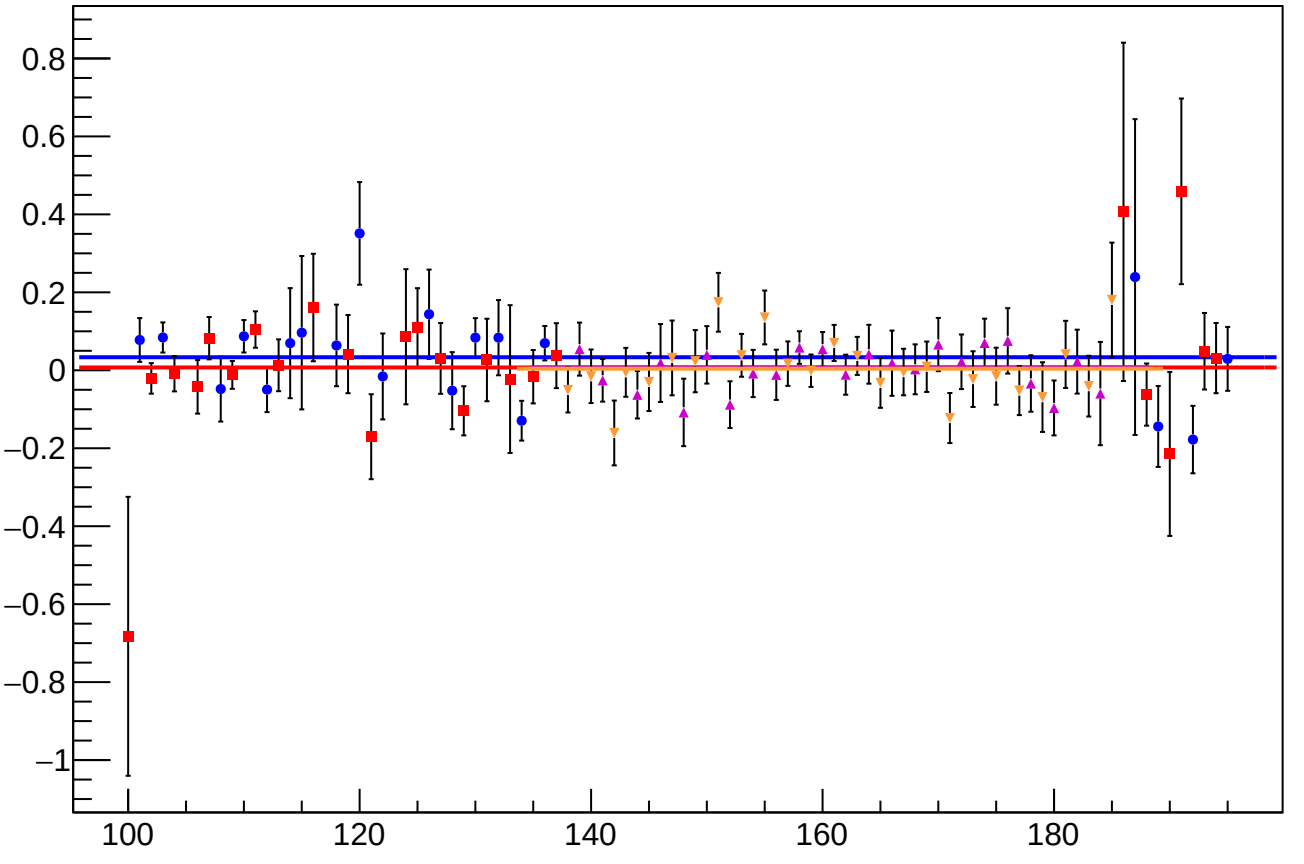
Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.947+/-0.007 χ^2/NDF: 5113596.3/44

All: 49.517+/-0.005 χ^2/NDF: 12263030.8/92

- sign 49.089+/-0.007 χ^2/NDF: 7141874.2/47



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: 0.007+/-0.014 χ^2/NDF: 26.7/24

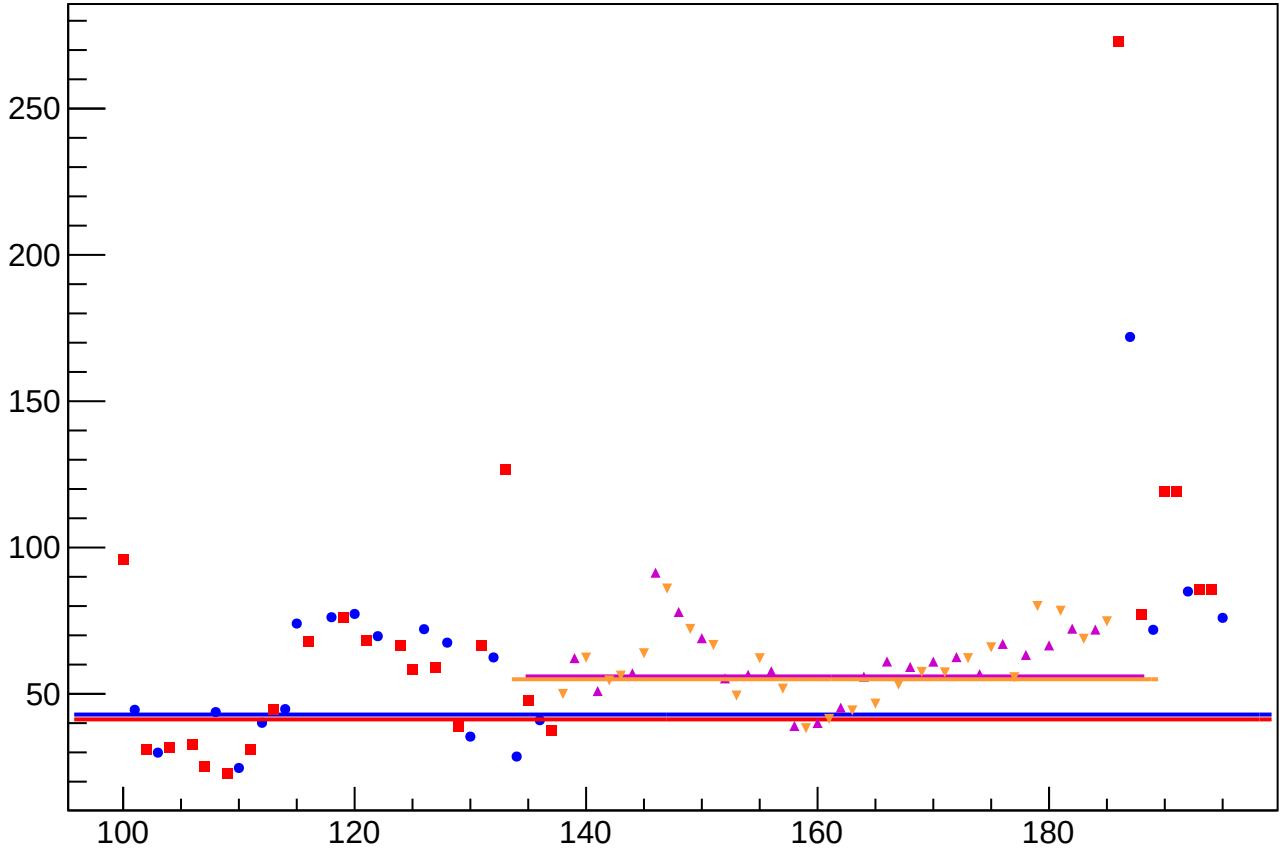
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/44

All: 0.012+/-0.007 χ^2/NDF: 105.4/92

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

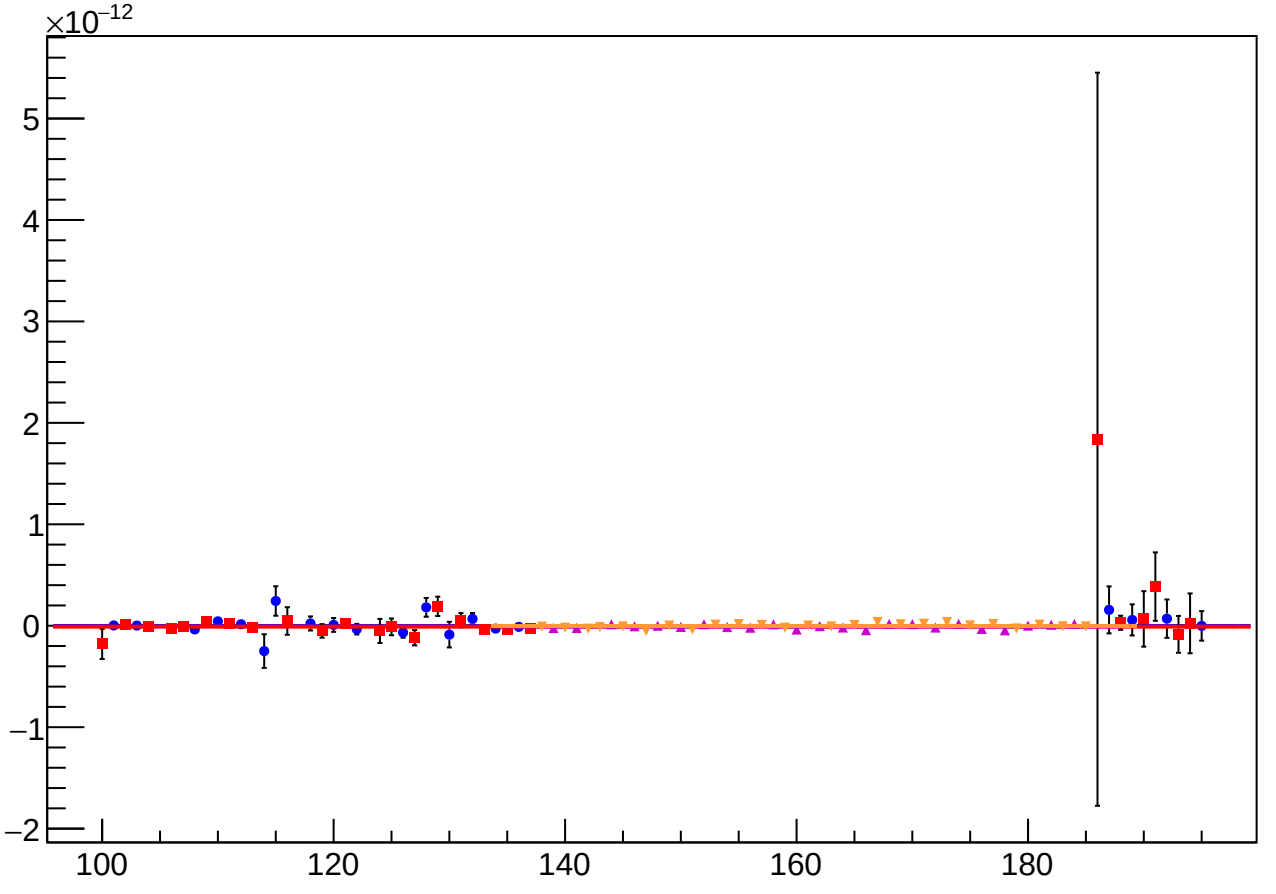
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.947+/-0.007 χ^2/NDF: 5113596.3/44

All: 49.517+/-0.005 χ^2/NDF: 12263030.8/92

- sign 49.089+/-0.007 χ^2/NDF: 7141874.2/47

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

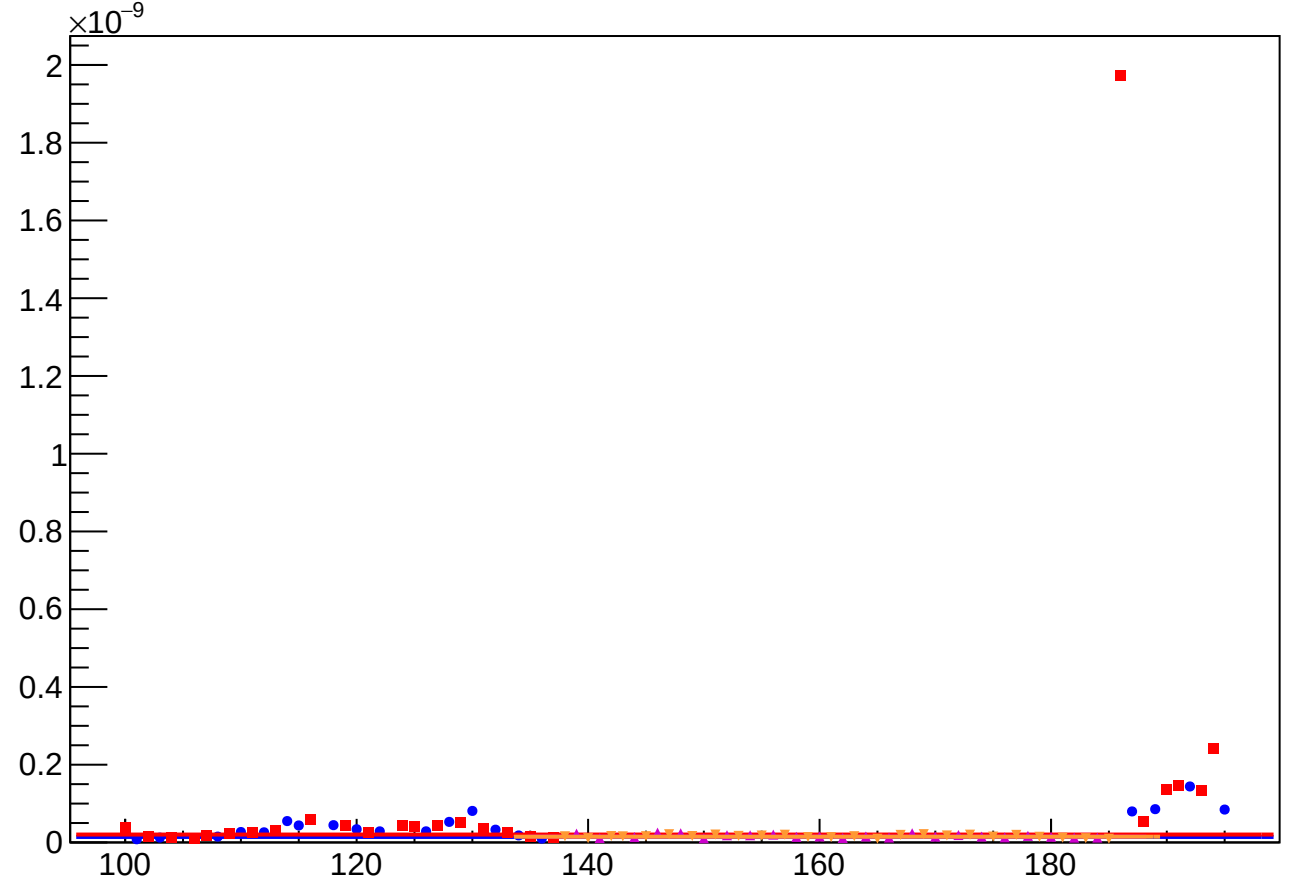
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/24

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: 77.3/92

- sign -0.000+/-0.000 χ^2/NDF: 39.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 5207442.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5702975.6/24

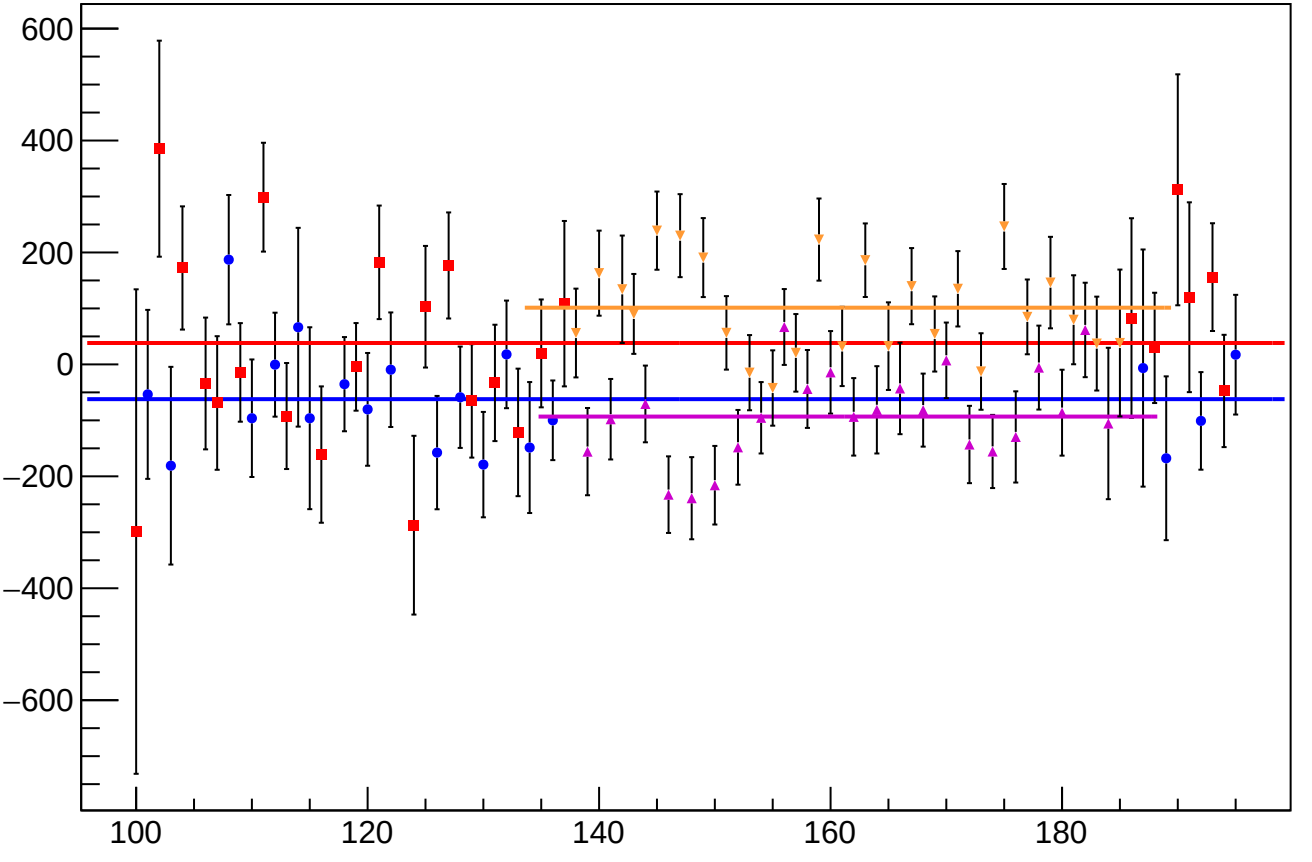
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6620447.5/44

All: 0.000+/-0.000 χ^2/NDF: 14459098.2/92

- sign 0.000+/-0.000 χ^2/NDF: 7718426.9/47

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: 38.247+/-22.436 χ^2/NDF: 35.6/24

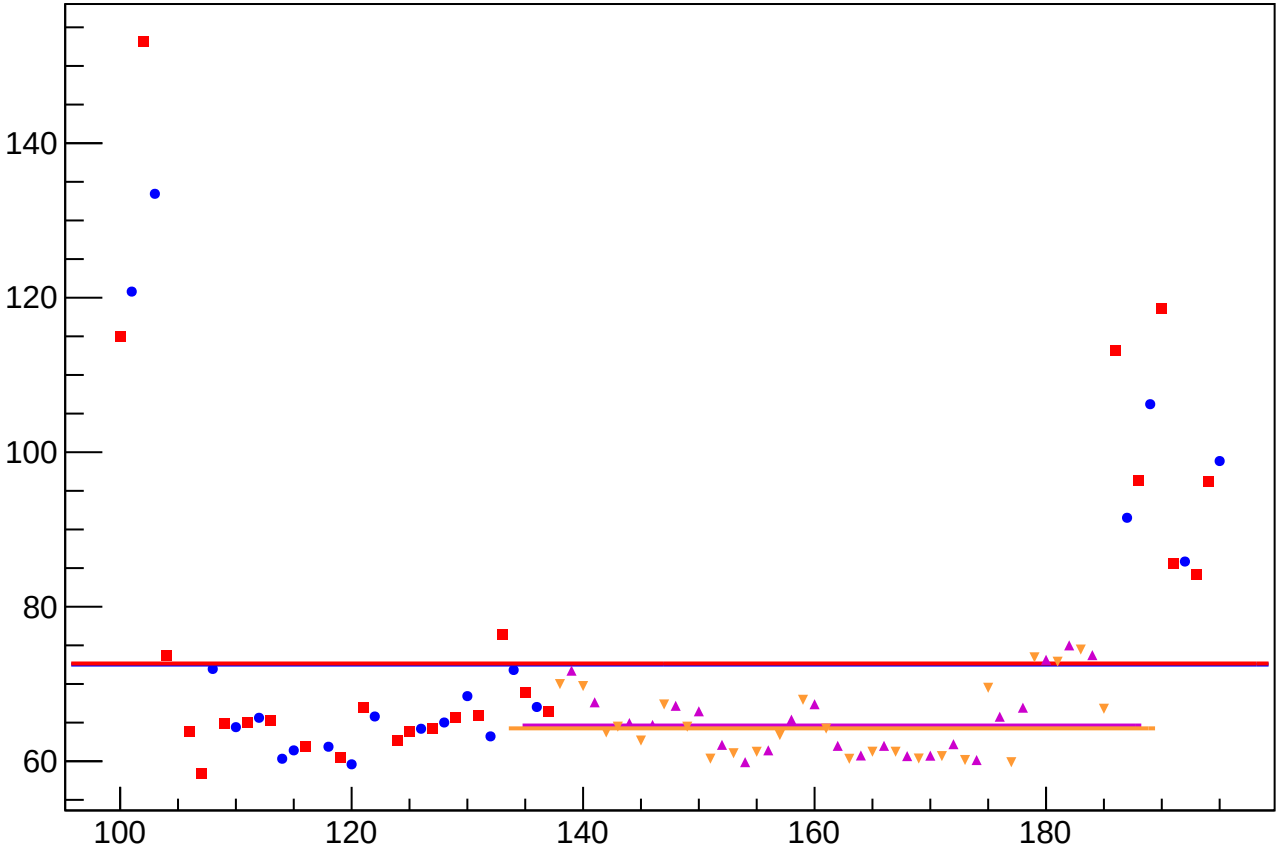
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 56.532+/-12.475 χ^2/NDF: 79.9/44

All: 2.528+/-8.847 χ^2/NDF: 205.7/92

- sign -52.110+/-12.548 χ^2/NDF: 88.1/47

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: 72.652+/-0.016 χ^2/NDF: 1049335.4/24

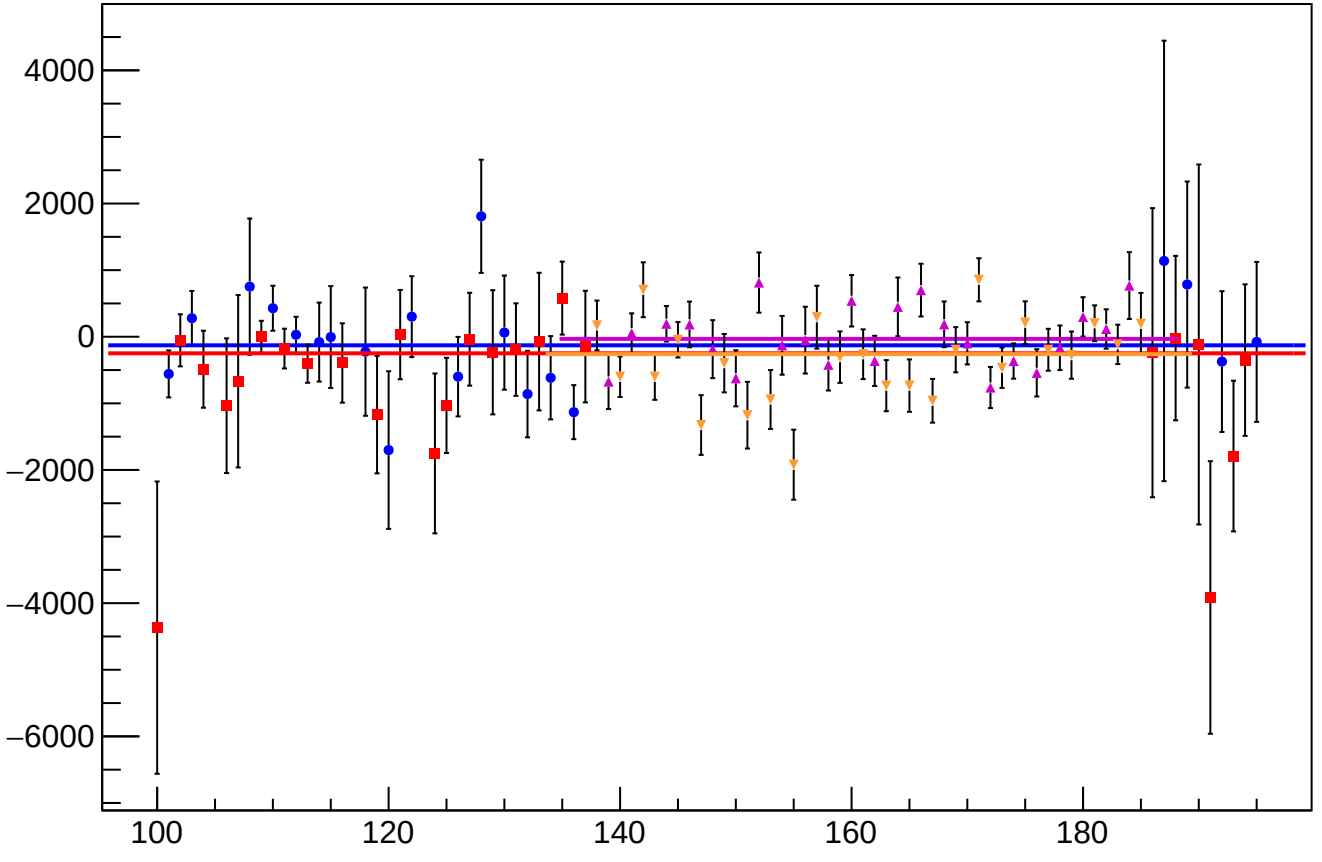
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.519+/-0.009 χ^2/NDF: 1261657.9/44

All: 66.824+/-0.006 χ^2/NDF: 2636715.3/92

- sign 67.133+/-0.009 χ^2/NDF: 1372645.4/47

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: -248.911+/-115.561 χ^2/NDF: 17.7/24

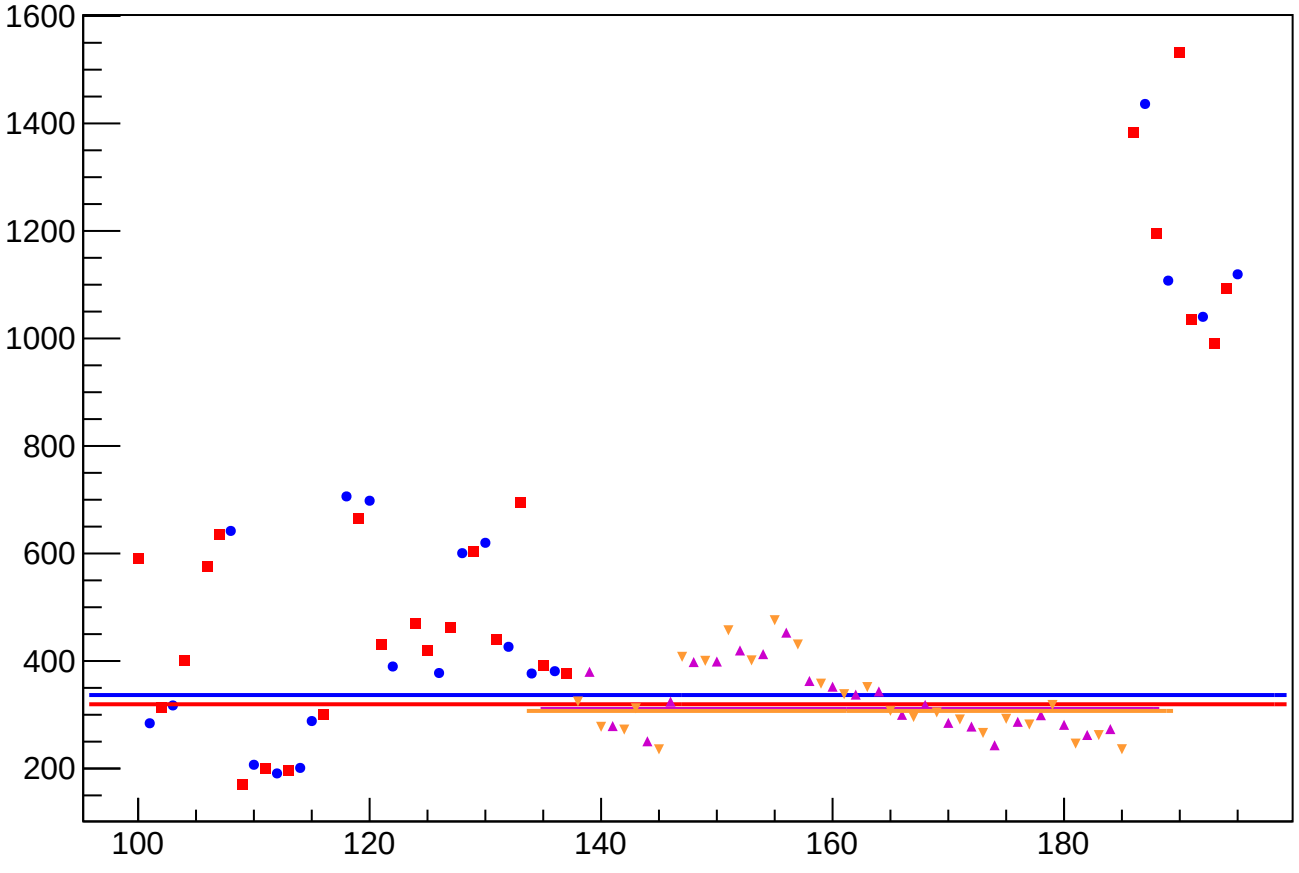
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.772 χ^2/NDF: 82.7/44

All: -162.156+/-43.837 χ^2/NDF: 136.9/92

- sign -95.183+/-62.221 χ^2/NDF: 51.9/47

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: 319.528+/-0.082 χ^2/NDF: 6614900.6/24

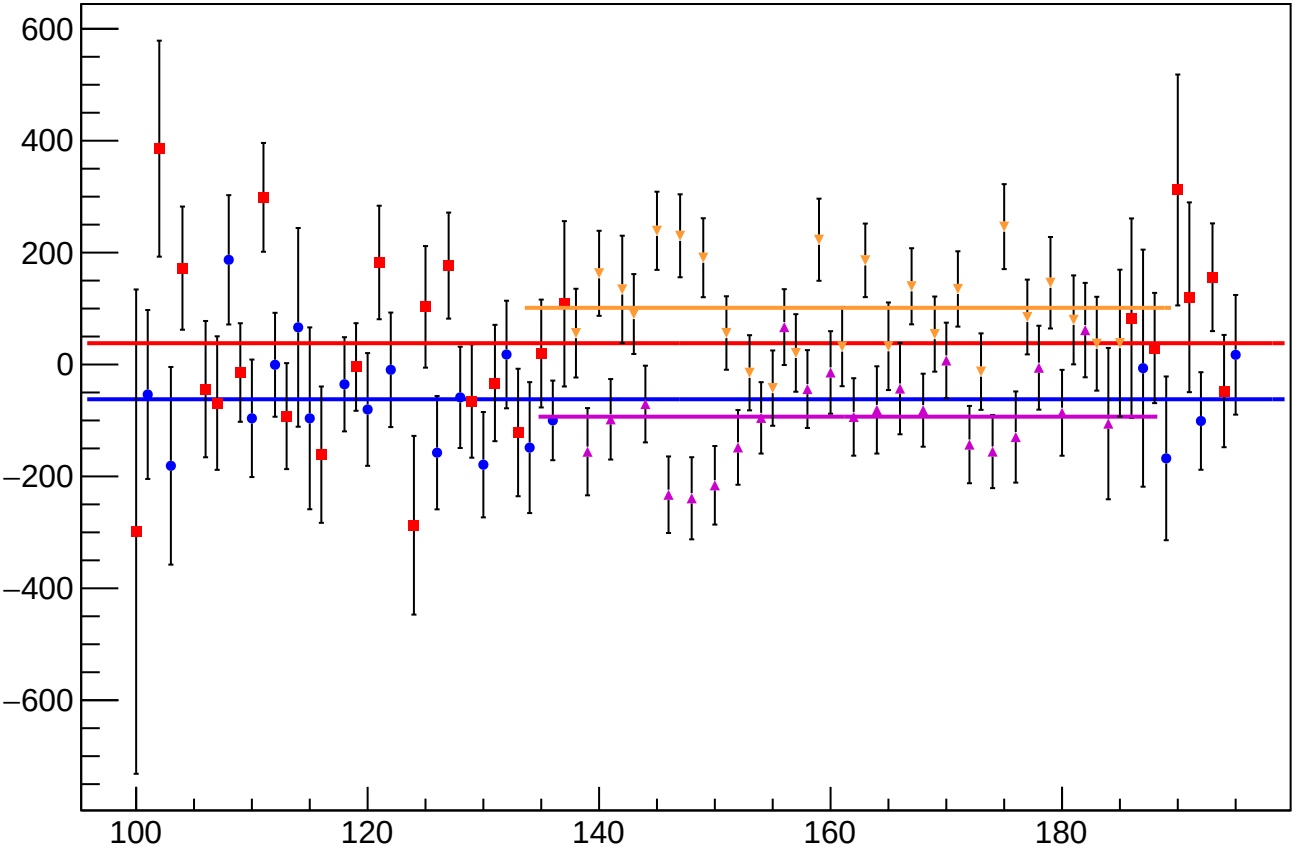
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 314.490+/-0.044 χ^2/NDF: 6064267.0/44

All: 313.878+/-0.031 χ^2/NDF: 13767332.5/92

- sign 313.258+/-0.044 χ^2/NDF: 7702670.4/47

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: 38.085+/-22.463 χ^2/NDF: 35.7/24

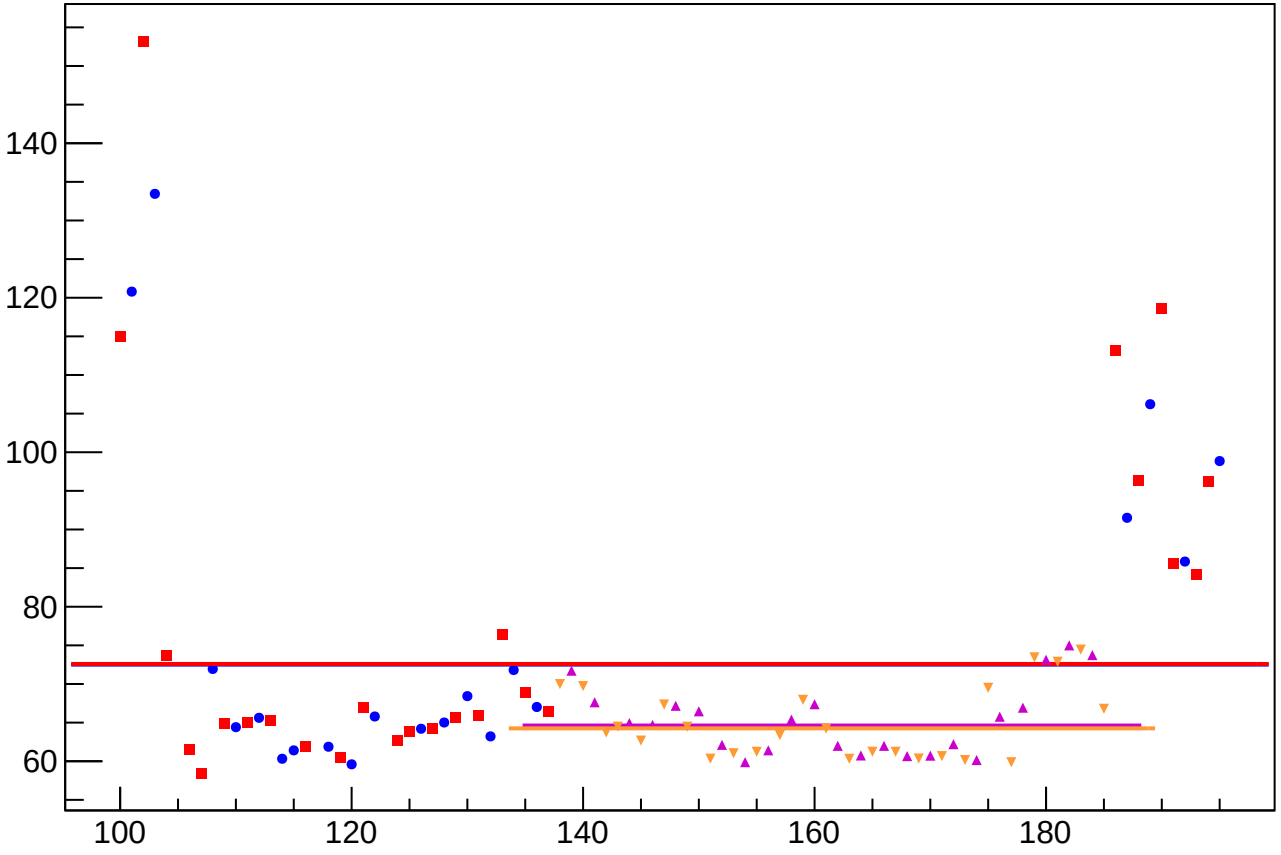
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 56.531+/-12.475 χ^2/NDF: 79.9/44

All: 2.490+/-8.848 χ^2/NDF: 205.7/92

- sign -52.228+/-12.553 χ^2/NDF: 88.0/47

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: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

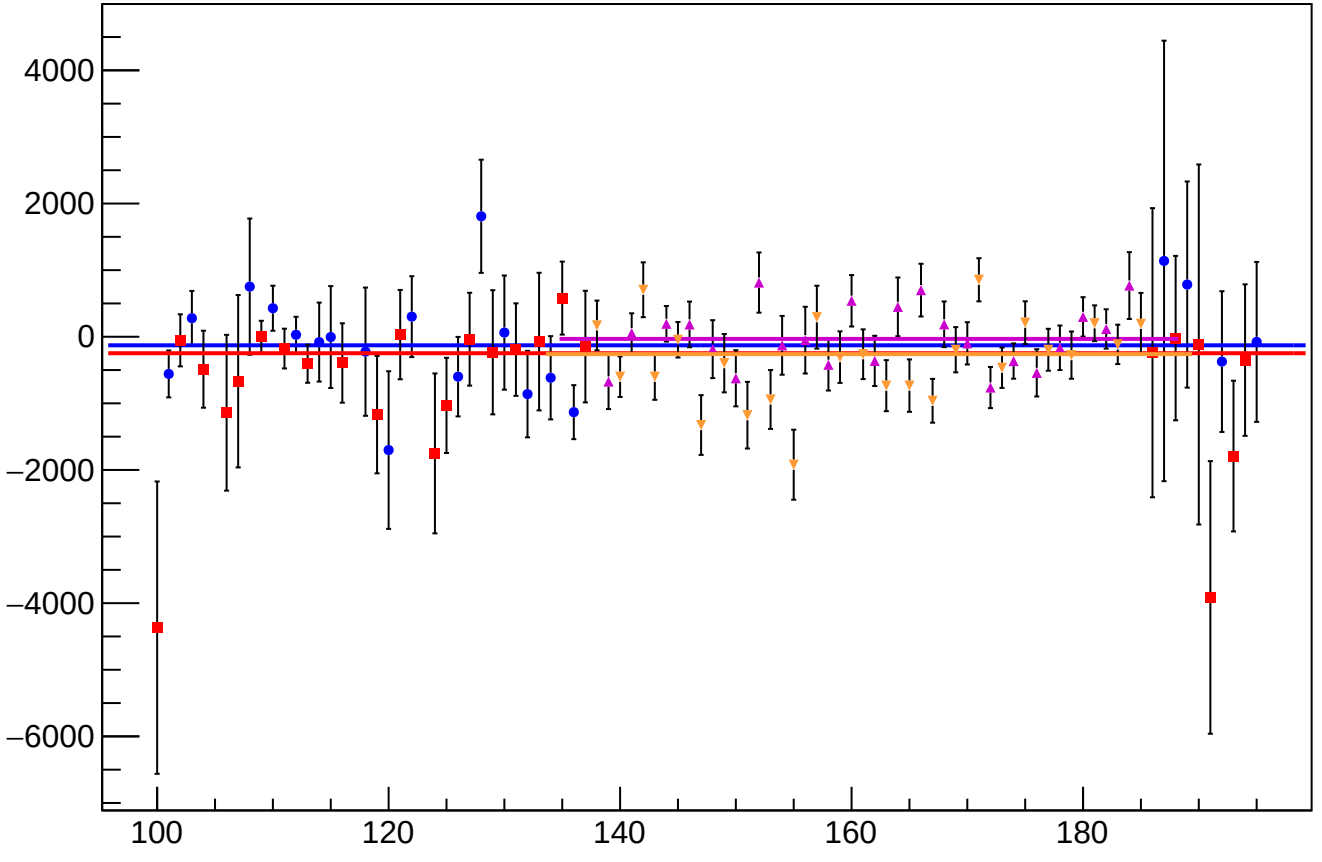
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.519+/-0.009 χ^2/NDF: 1261658.2/44

All: 66.813+/-0.006 χ^2/NDF: 2639259.8/92

- sign 67.111+/-0.009 χ^2/NDF: 1375365.1/47

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: -247.359+/-115.757 χ^2/NDF: 17.7/24

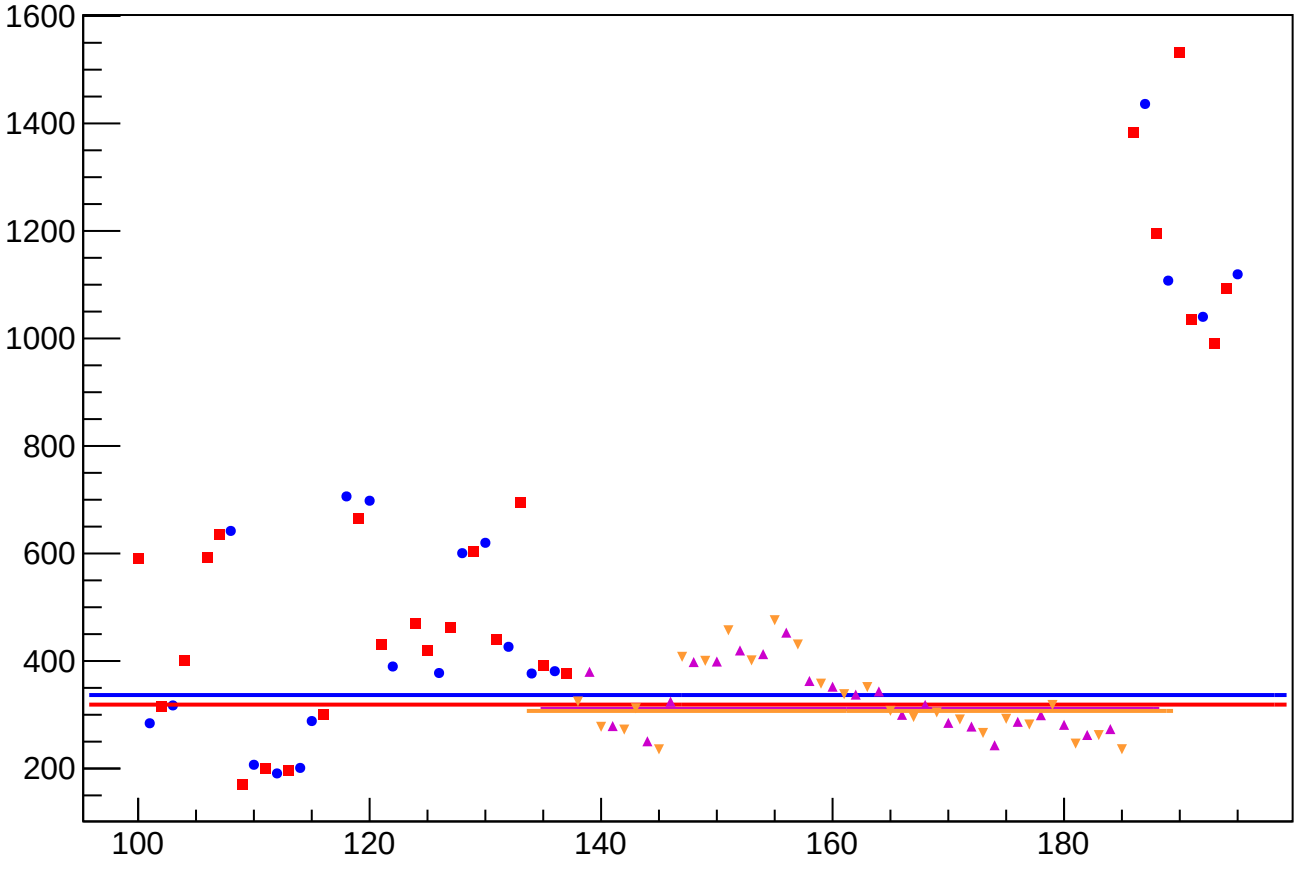
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.773 χ^2/NDF: 82.7/44

All: -161.890+/-43.848 χ^2/NDF: 136.9/92

- sign -94.581+/-62.251 χ^2/NDF: 51.9/47

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: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

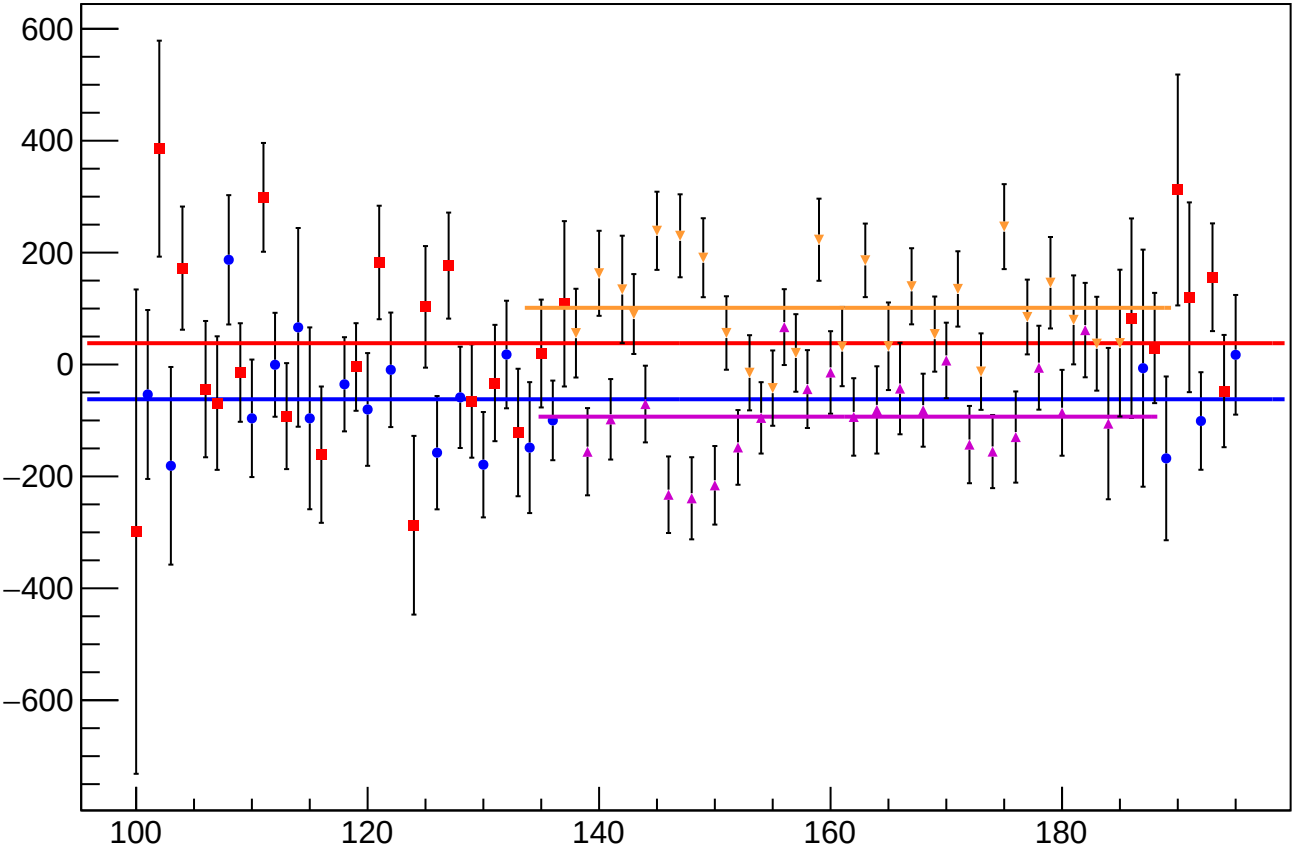
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 314.490+/-0.044 χ^2/NDF: 6064264.0/44

All: 313.782+/-0.031 χ^2/NDF: 13747796.0/92

\- sign 313.062+/-0.044 χ^2/NDF: 7683001.4/47

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: 38.085+/-22.463 χ^2/NDF: 35.7/24

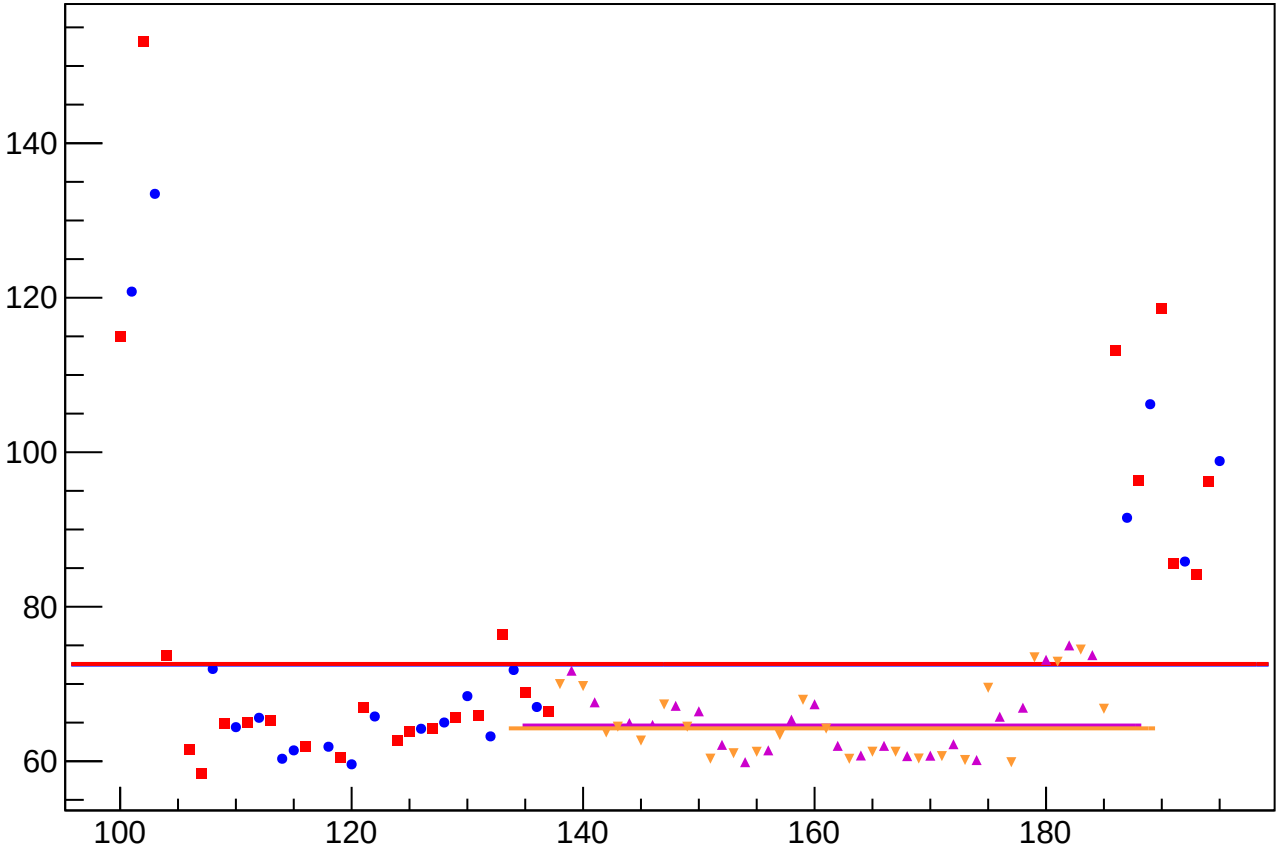
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 56.531+/-12.475 χ^2/NDF: 79.9/44

All: 2.490+/-8.848 χ^2/NDF: 205.7/92

- sign -52.228+/-12.553 χ^2/NDF: 88.0/47

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

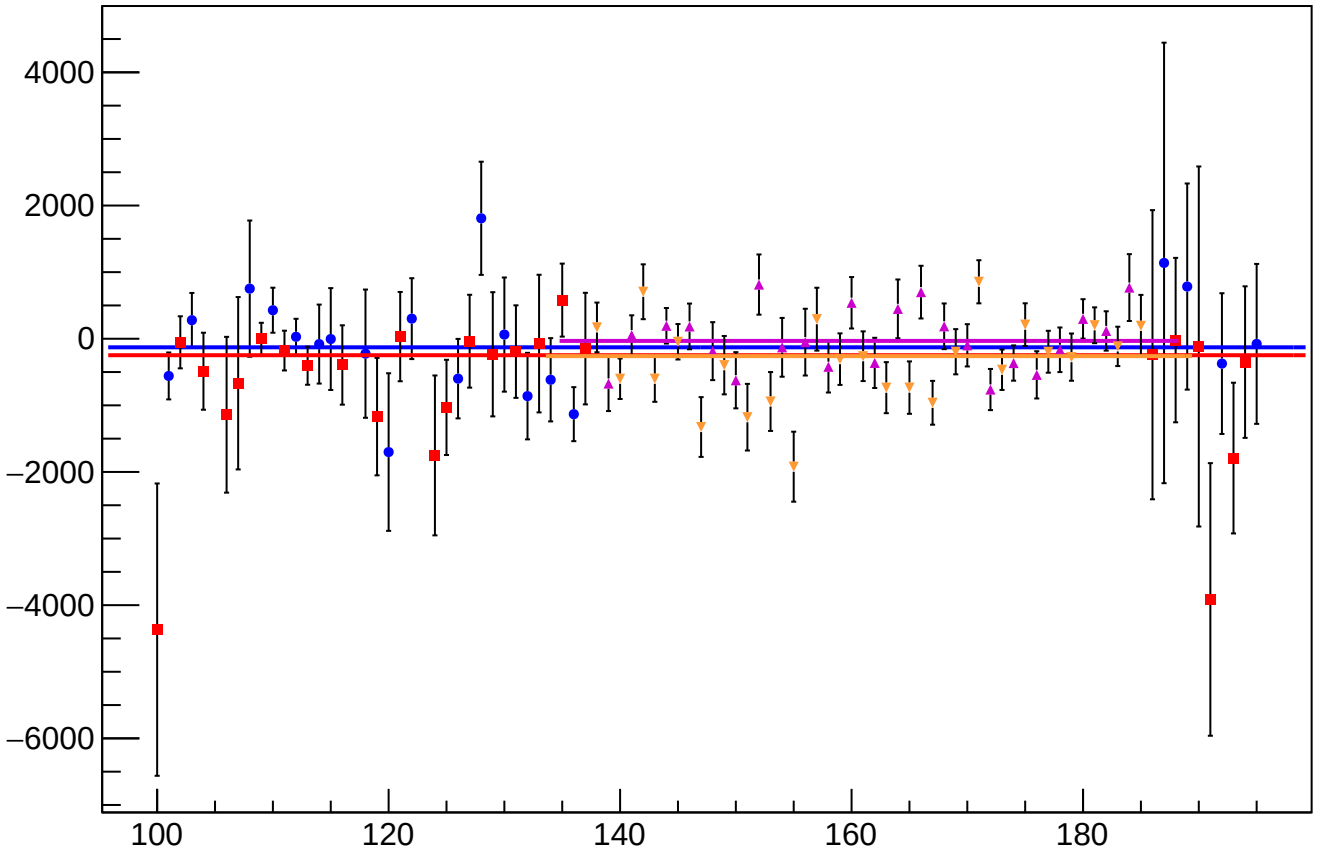
Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.519+/-0.009 χ^2/NDF: 1261658.2/44

All: 66.813+/-0.006 χ^2/NDF: 2639259.8/92

- sign 67.111+/-0.009 χ^2/NDF: 1375365.1/47



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: -247.359+/-115.757 χ^2/NDF: 17.7/24

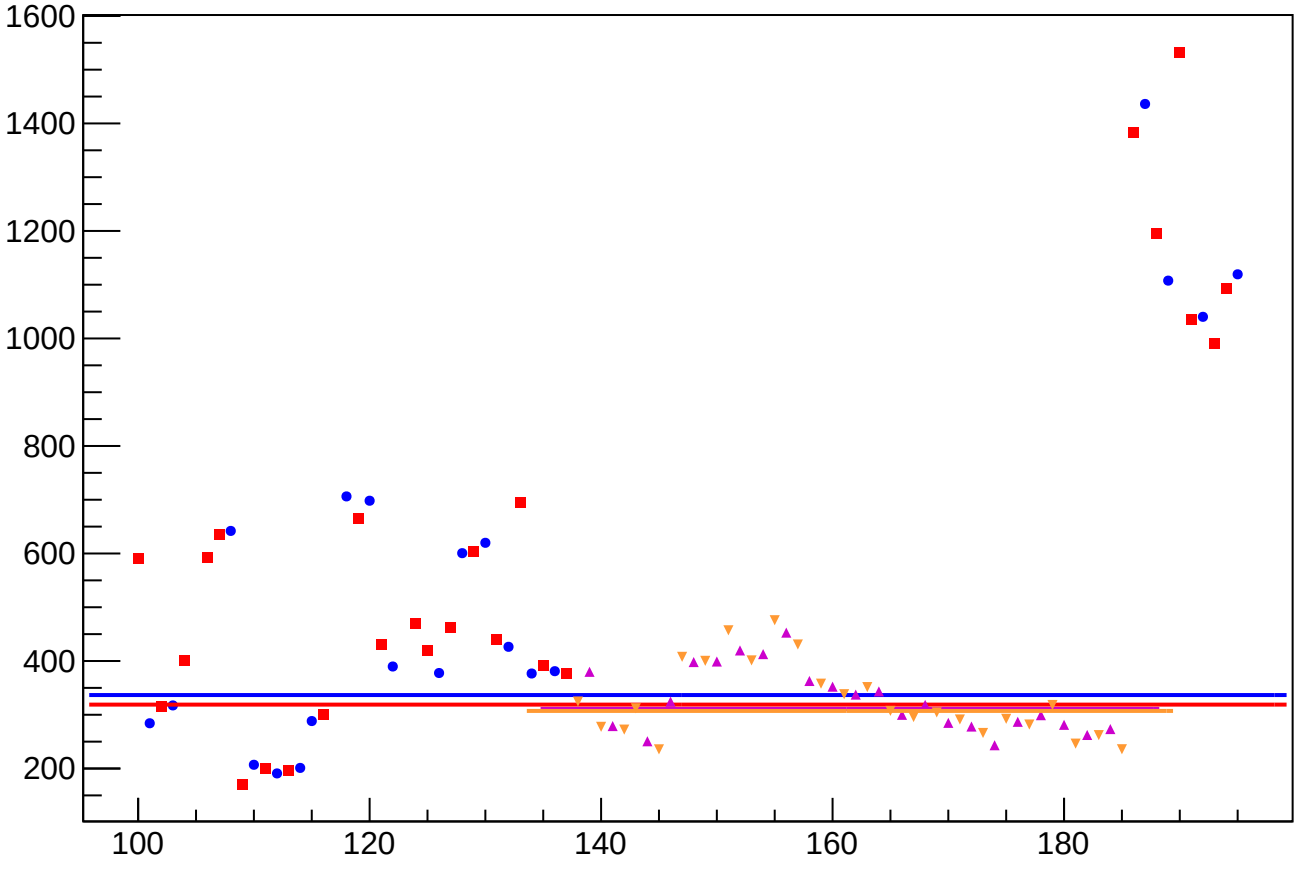
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.167+/-61.773 χ^2/NDF: 82.7/44

All: -161.890+/-43.848 χ^2/NDF: 136.9/92

- sign -94.581+/-62.251 χ^2/NDF: 51.9/47

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: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

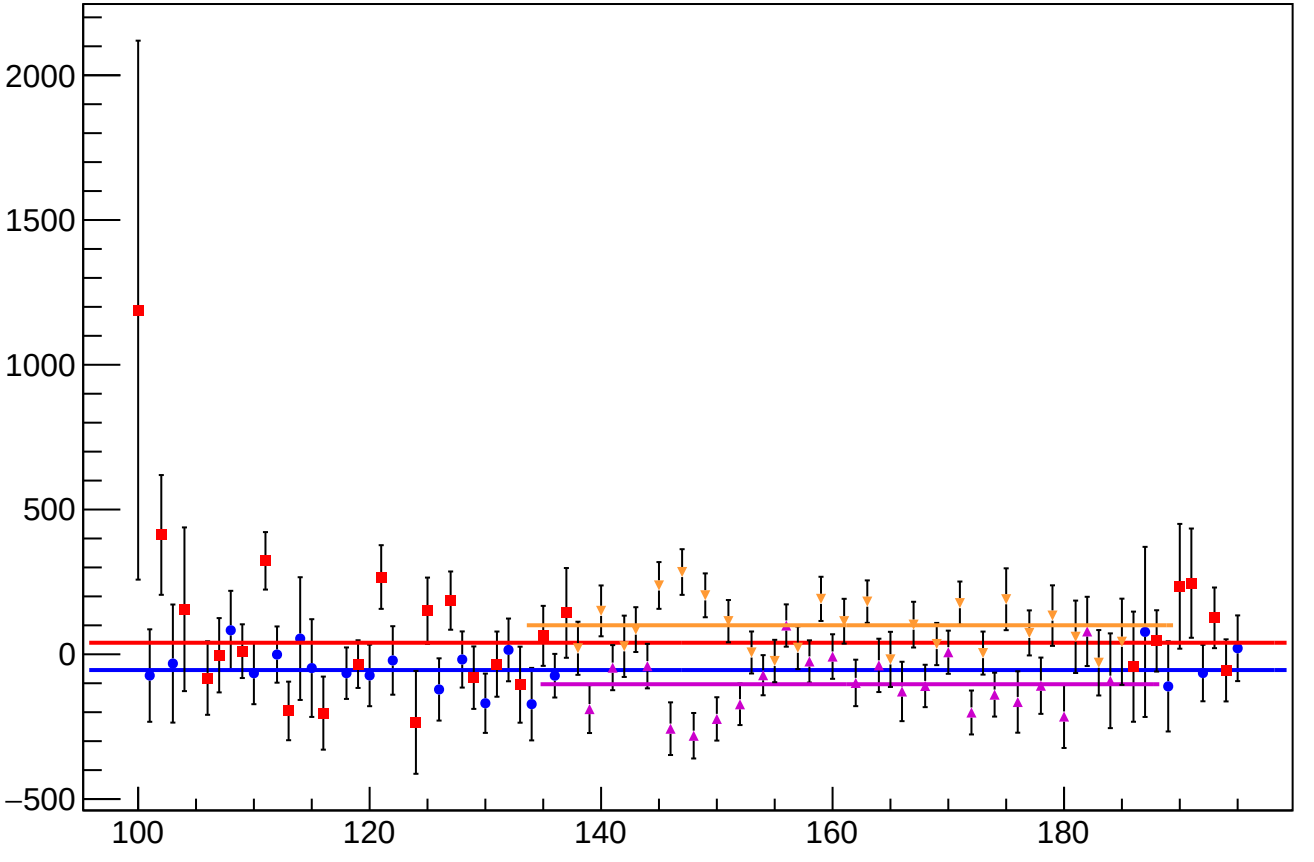
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 314.490+/-0.044 χ^2/NDF: 6064264.0/44

All: 313.782+/-0.031 χ^2/NDF: 13747796.0/92

- sign 313.062+/-0.044 χ^2/NDF: 7683001.4/47

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: 39.895+/-24.421 χ^2/NDF: 40.9/24

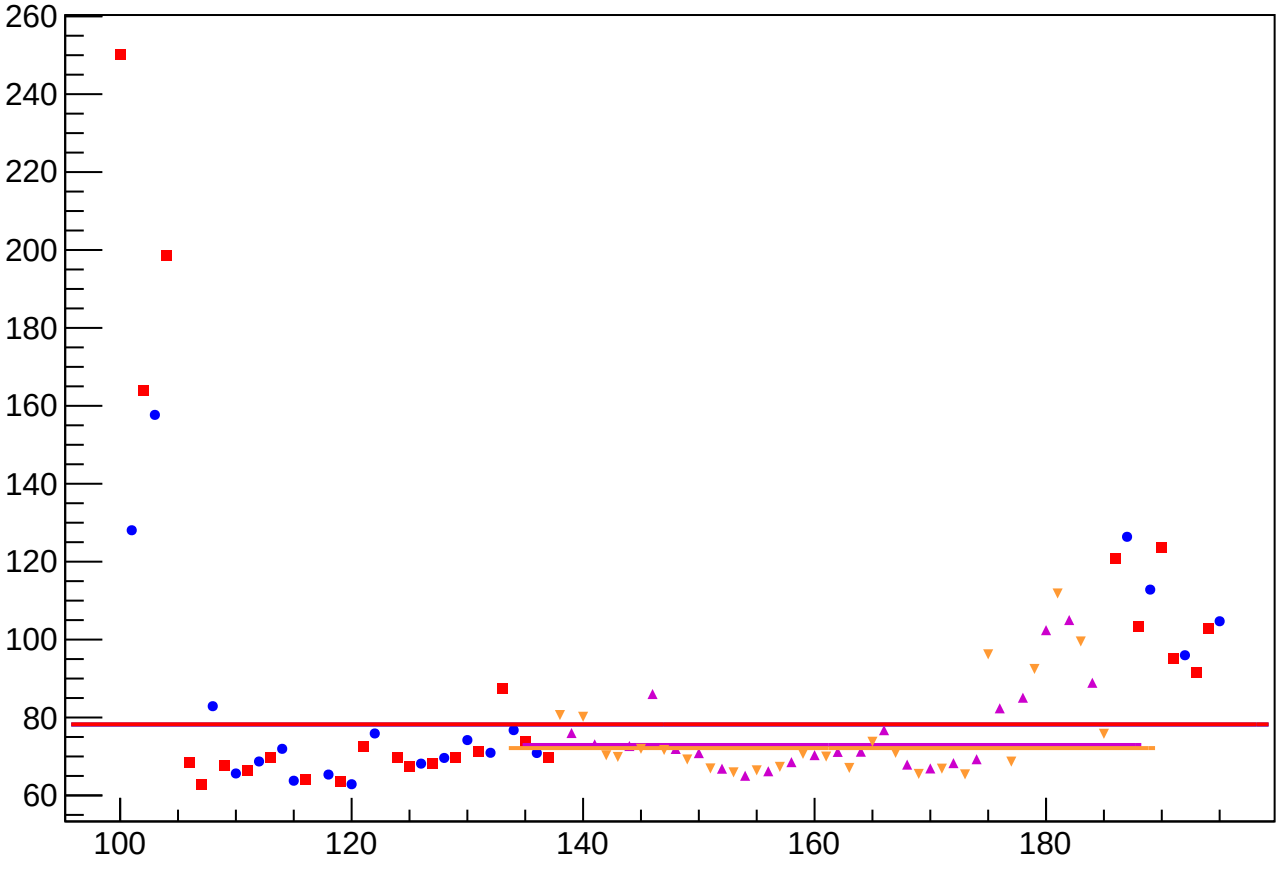
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 54.874+/-13.974 χ^2/NDF: 58.8/44

All: 0.096+/-9.924 χ^2/NDF: 186.3/92

- sign -55.639+/-14.095 χ^2/NDF: 96.5/47

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

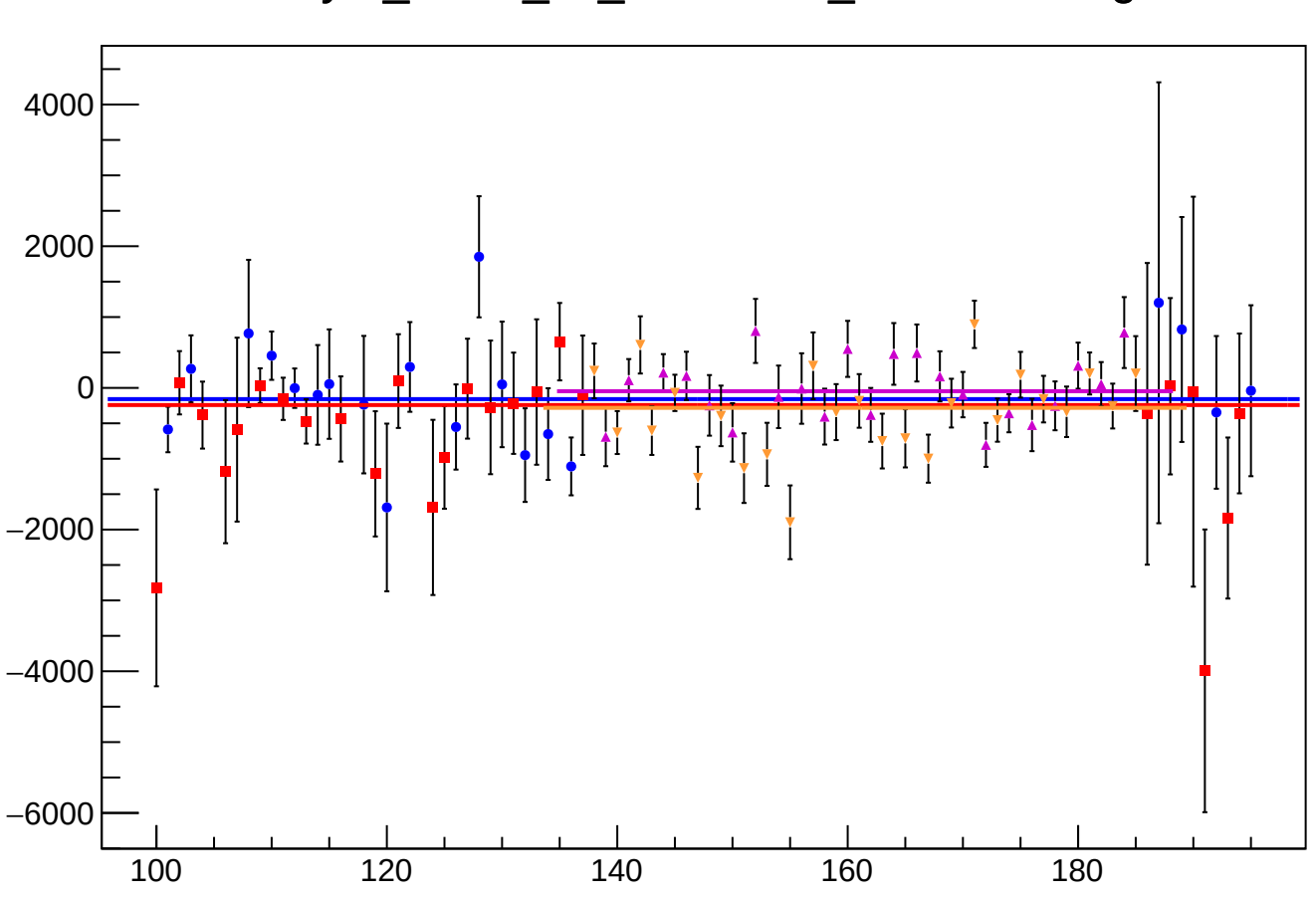
Right Out: 78.252+/-0.017 χ^2/NDF: 1516132.2/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 73.921+/-0.010 χ^2/NDF: 1759973.5/44

All: 74.315+/-0.007 χ^2/NDF: 3851231.7/92

- sign 74.715+/-0.010 χ^2/NDF: 2088061.4/47



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: -241.682+/-117.758 χ^2/NDF: 19.2/24

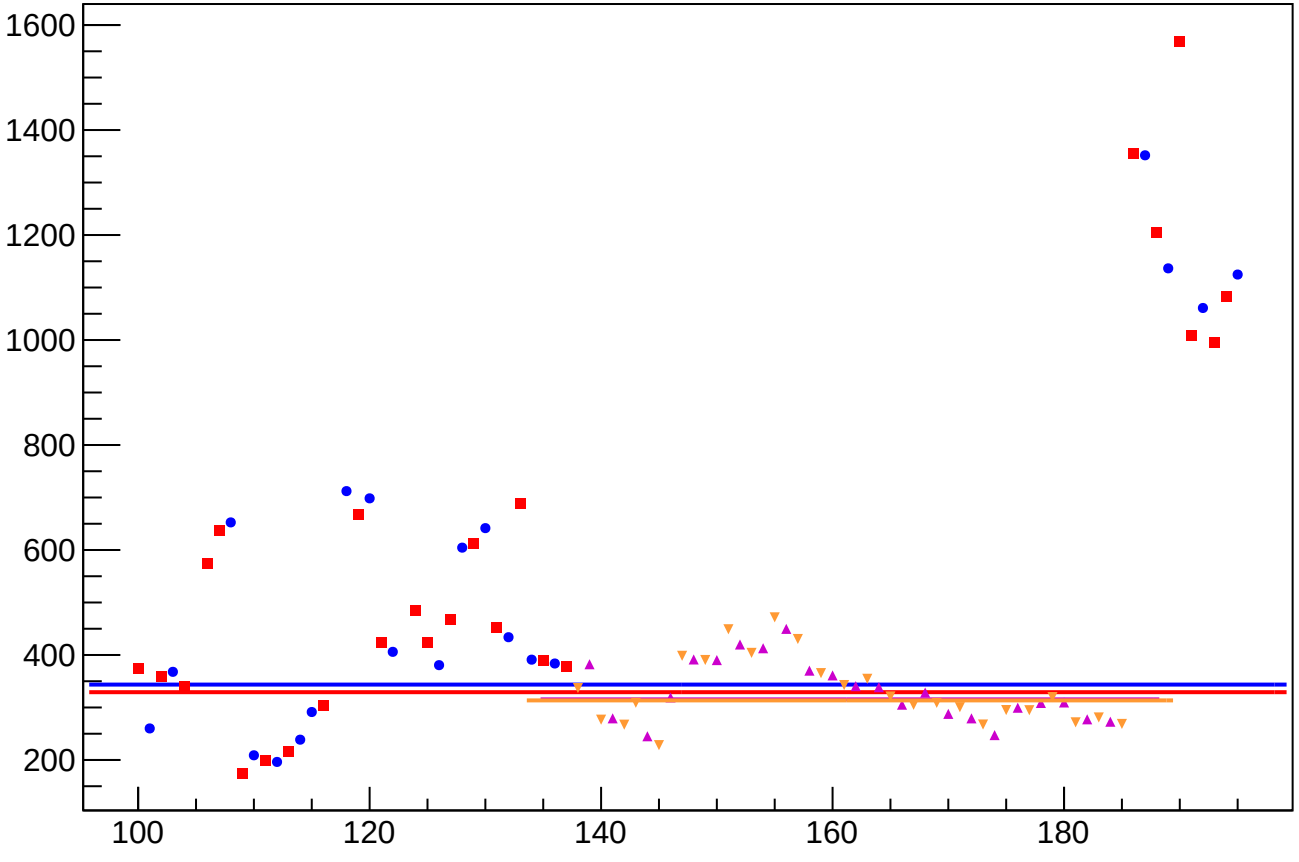
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.672+/-62.904 χ^2/NDF: 80.8/44

All: -177.062+/-44.583 χ^2/NDF: 135.5/92

- sign -102.765+/-63.198 χ^2/NDF: 51.9/47

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: 329.129+/-0.083 χ^2/NDF: 6358545.7/24

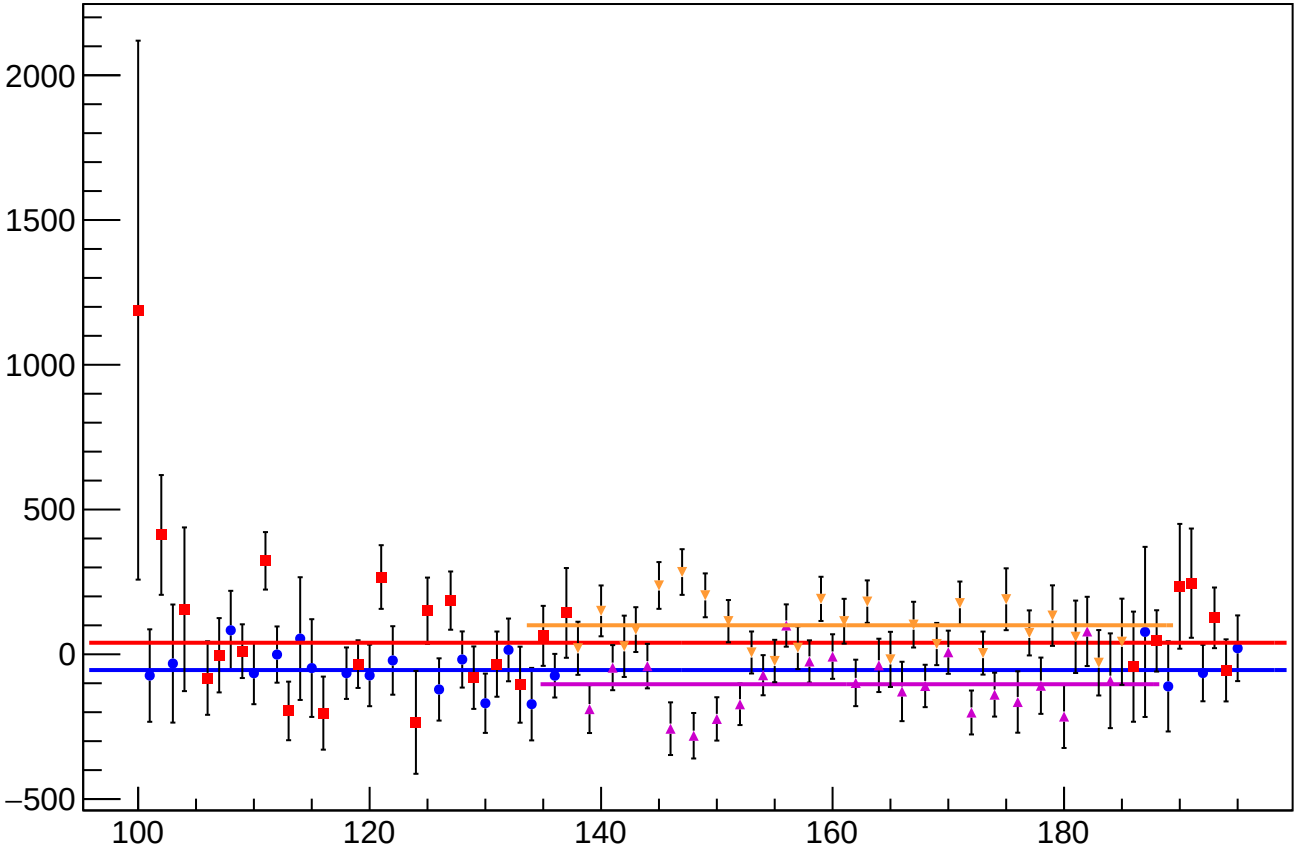
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 320.967+/-0.044 χ^2/NDF: 5912313.6/44

All: 320.184+/-0.032 χ^2/NDF: 13299204.1/92

\- sign 319.393+/-0.045 χ^2/NDF: 7386267.3/47

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: 39.896+/-24.421 χ^2/NDF: 40.9/24

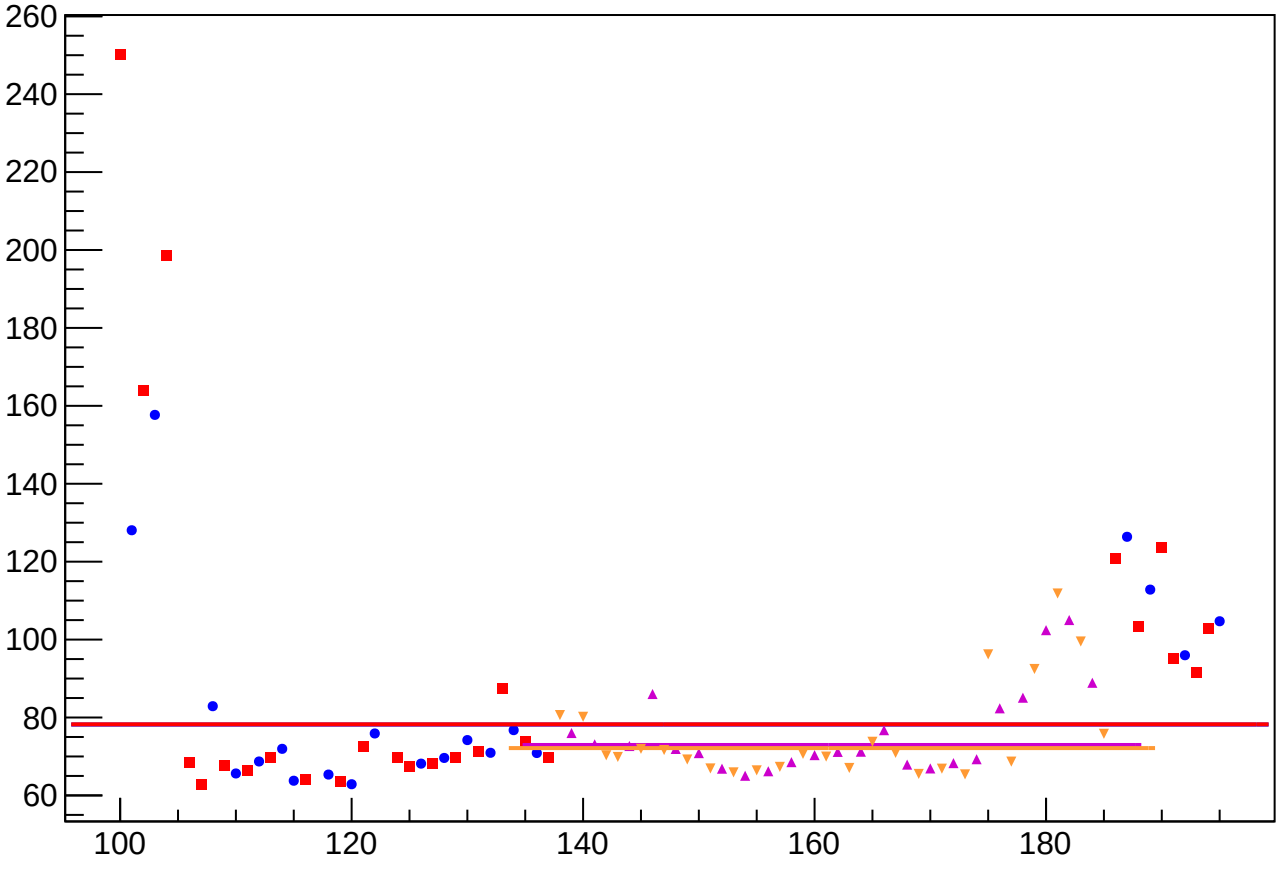
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 54.874+/-13.974 χ^2/NDF: 58.8/44

All: 0.096+/-9.924 χ^2/NDF: 186.3/92

- sign -55.638+/-14.095 χ^2/NDF: 96.5/47

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

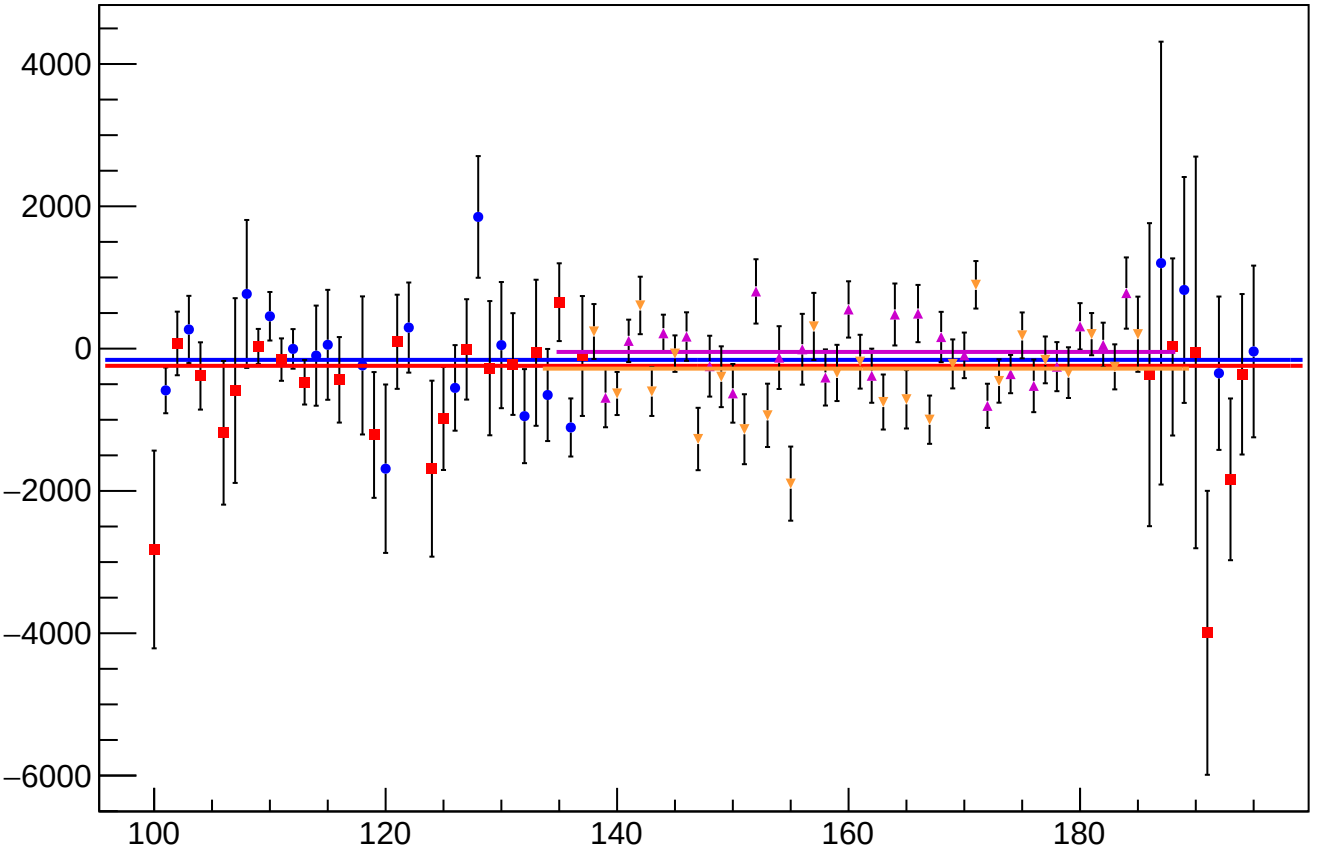
Right Out: 78.251+/-0.017 χ^2/NDF: 1516128.7/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 73.921+/-0.010 χ^2/NDF: 1759975.6/44

All: 74.315+/-0.007 χ^2/NDF: 3851227.5/92

- sign 74.715+/-0.010 χ^2/NDF: 2088055.1/47



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: -241.681+/-117.758 χ^2/NDF: 19.2/24

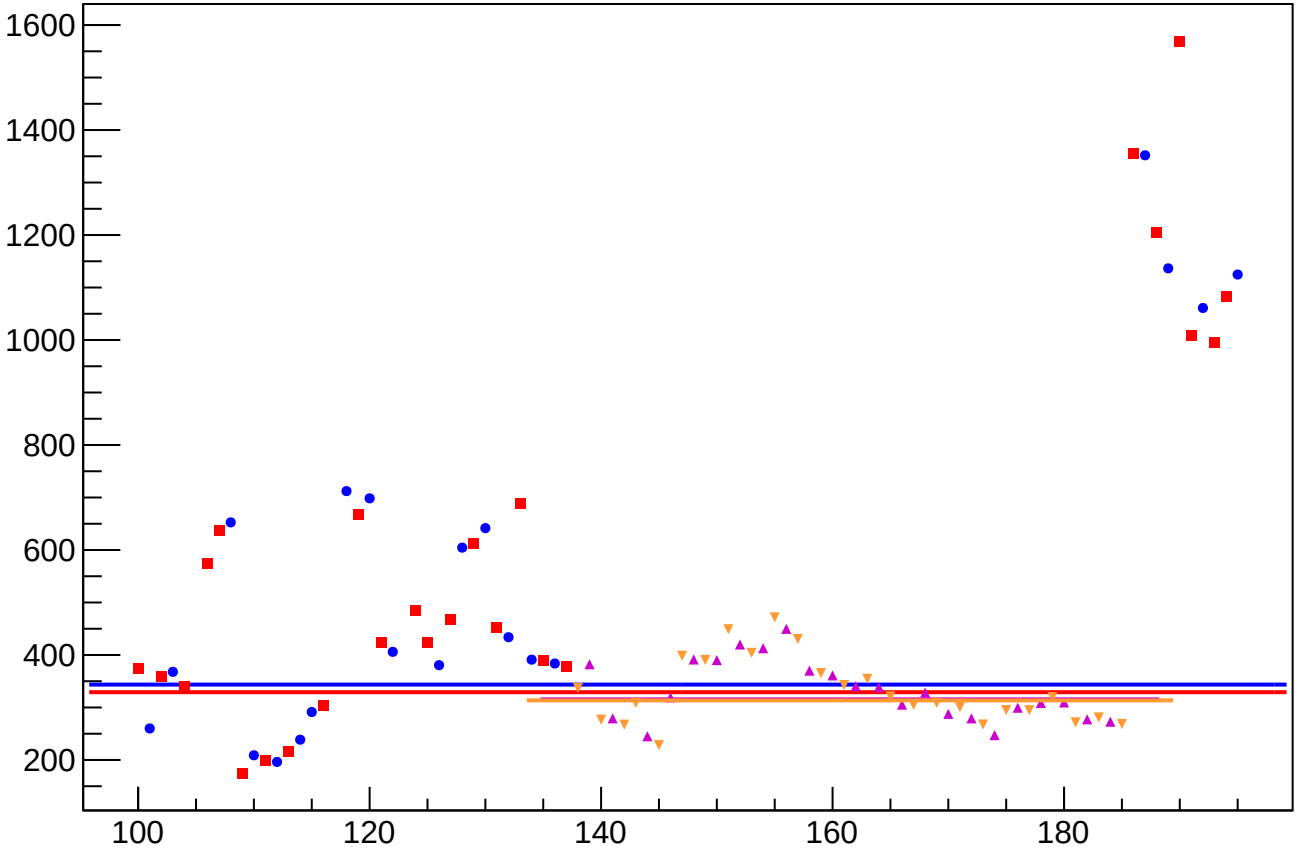
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.671+/-62.904 χ^2/NDF: 80.8/44

All: -177.062+/-44.583 χ^2/NDF: 135.5/92

- sign -102.764+/-63.198 χ^2/NDF: 51.9/47

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: 329.127+/-0.083 χ^2/NDF: 6358571.1/24

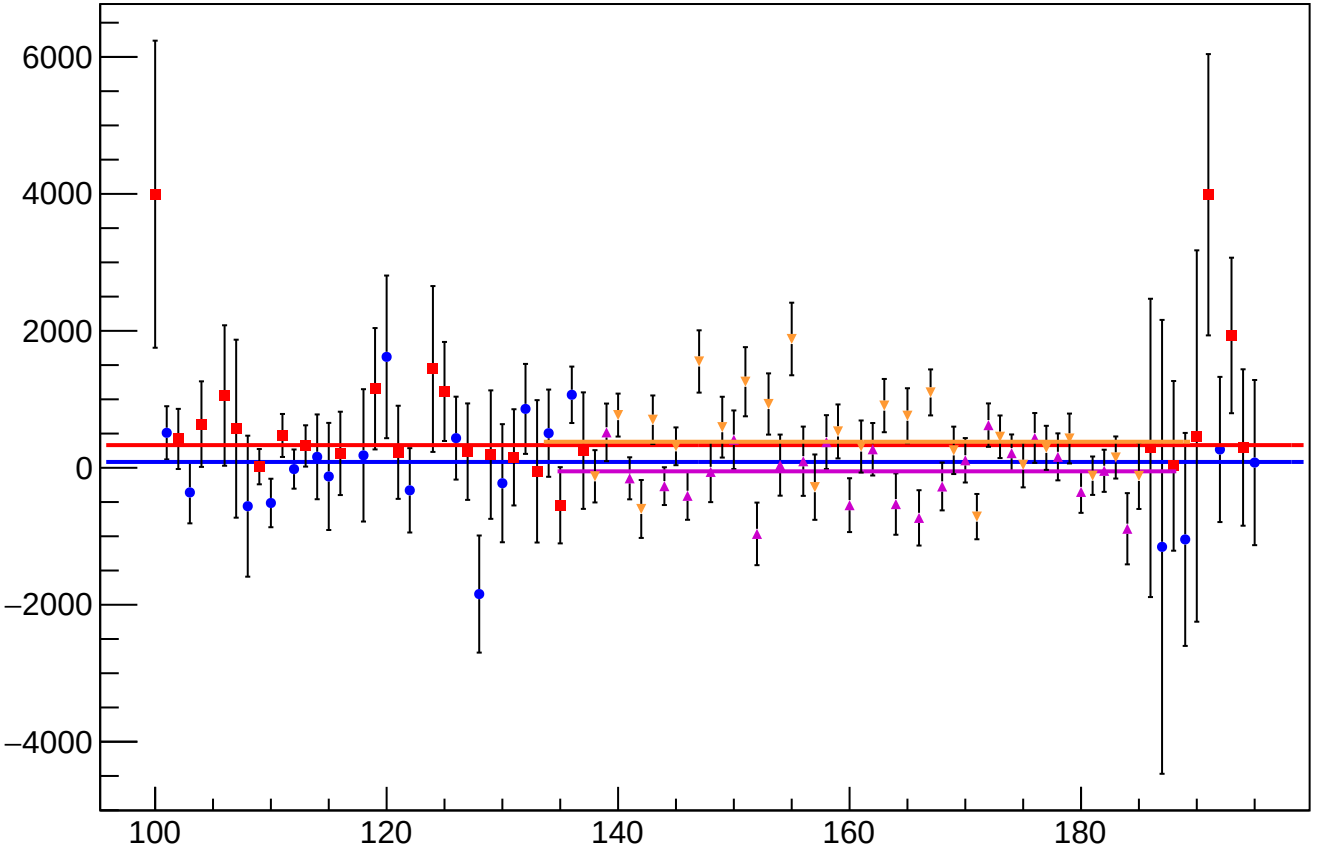
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 320.967+/-0.044 χ^2/NDF: 5912353.6/44

All: 320.184+/-0.032 χ^2/NDF: 13299262.6/92

- sign 319.393+/-0.045 χ^2/NDF: 7386286.0/47

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: 331.354+/-121.356 χ^2/NDF: 16.1/24

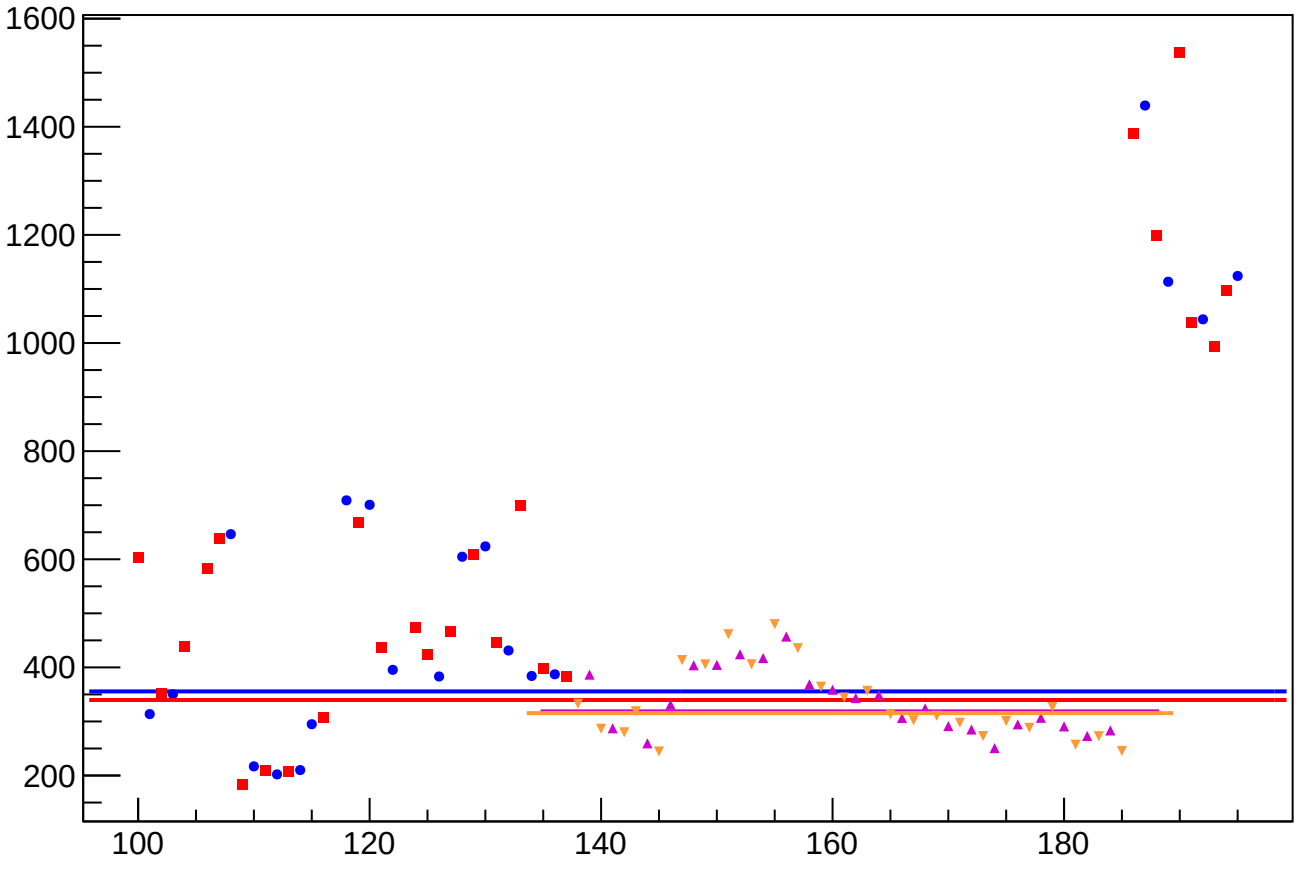
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 309.436+/-63.641 χ^2/NDF: 80.9/44

All: 183.607+/-45.192 χ^2/NDF: 140.2/92

- sign 55.617+/-64.185 χ^2/NDF: 51.4/47

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: 339.724+/-0.086 χ^2/NDF: 6265630.5/24

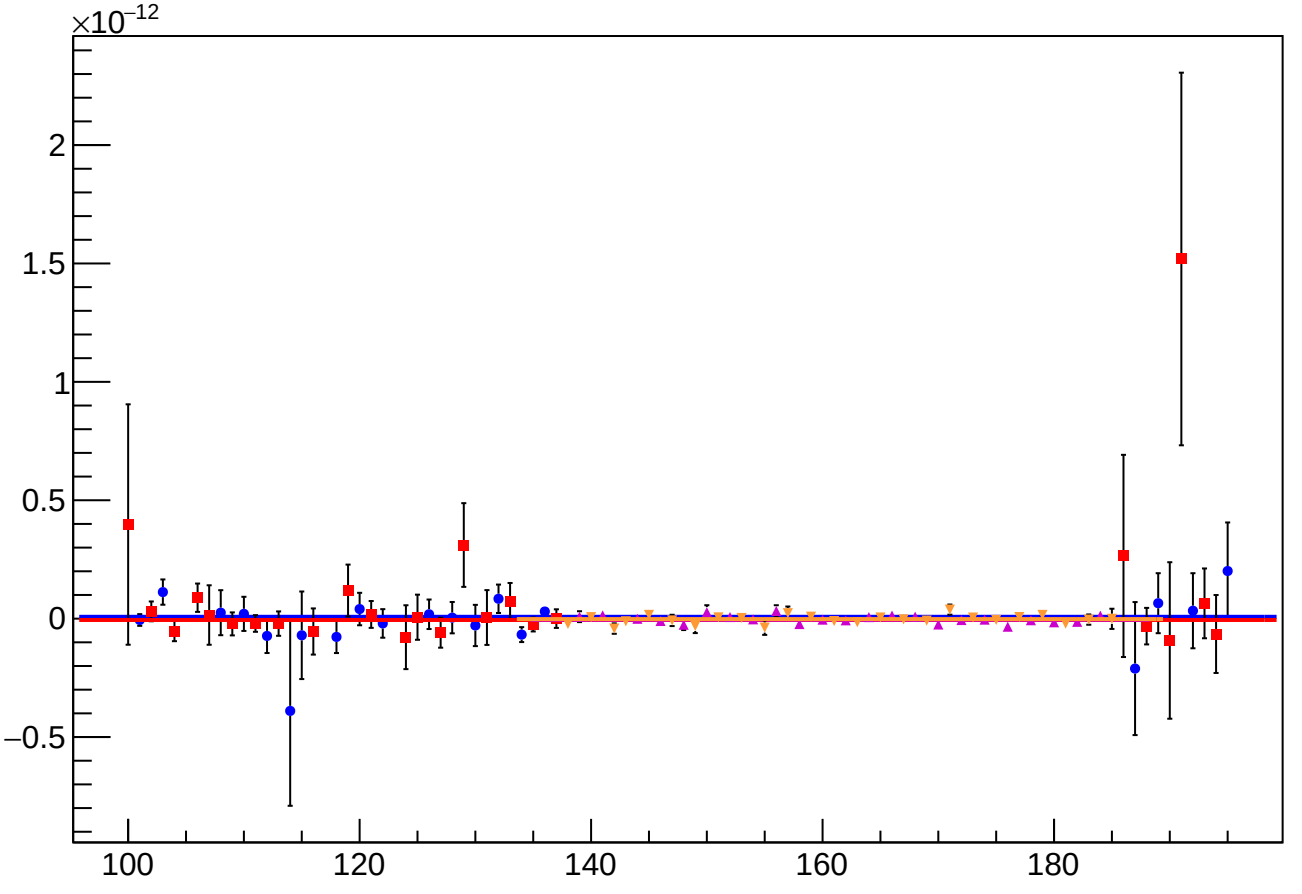
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 325.089+/-0.045 χ^2/NDF: 5742814.7/44

All: 324.833+/-0.032 χ^2/NDF: 13043399.3/92

- sign 324.573+/-0.045 χ^2/NDF: 7300519.4/47

asym_sam7_reg_vs_cor_diff_mean vs Slug



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: 17.5/24

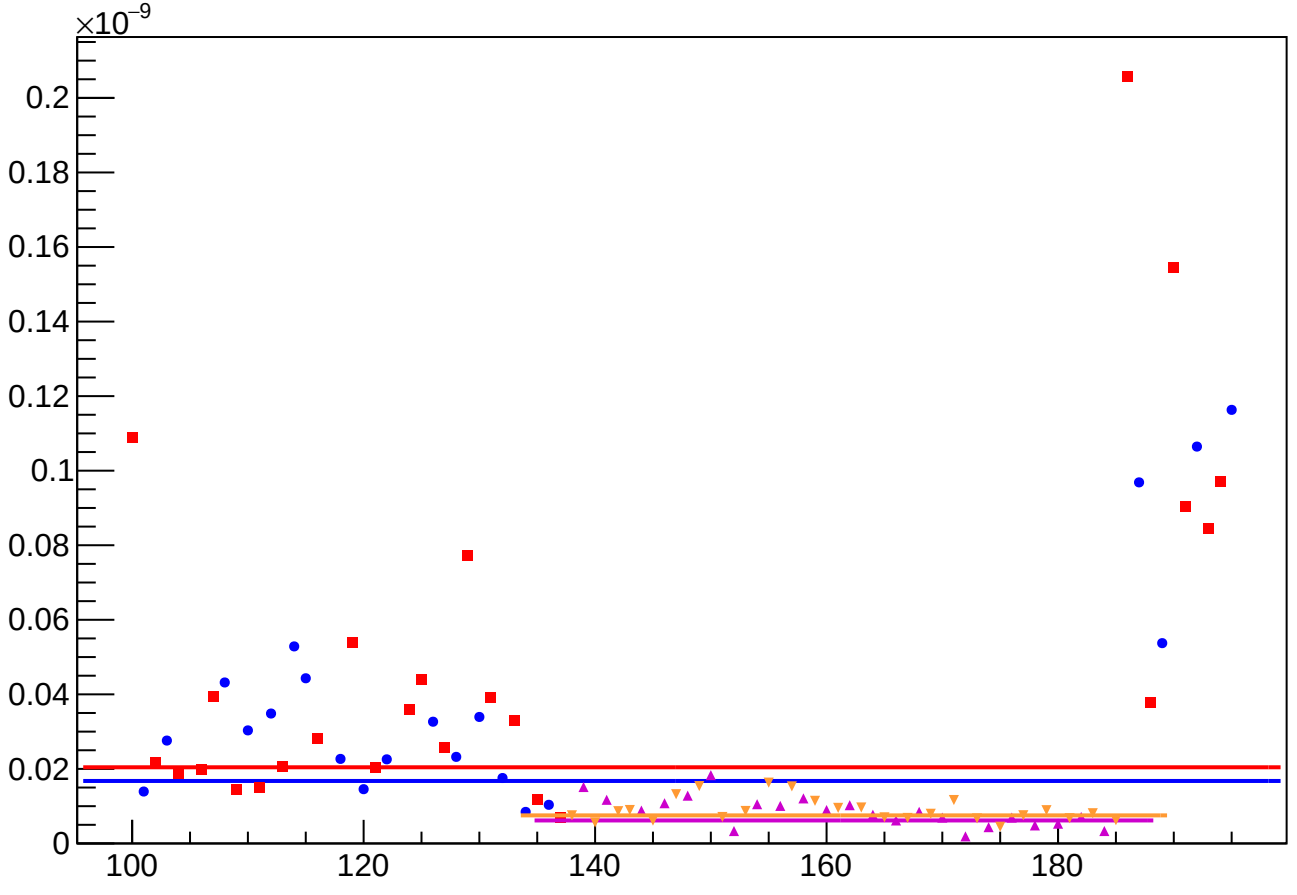
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/44

All: -0.000+/-0.000 χ^2/NDF: 75.0/92

- sign -0.000+/-0.000 χ^2/NDF: 35.2/47

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2629879.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2904004.8/24

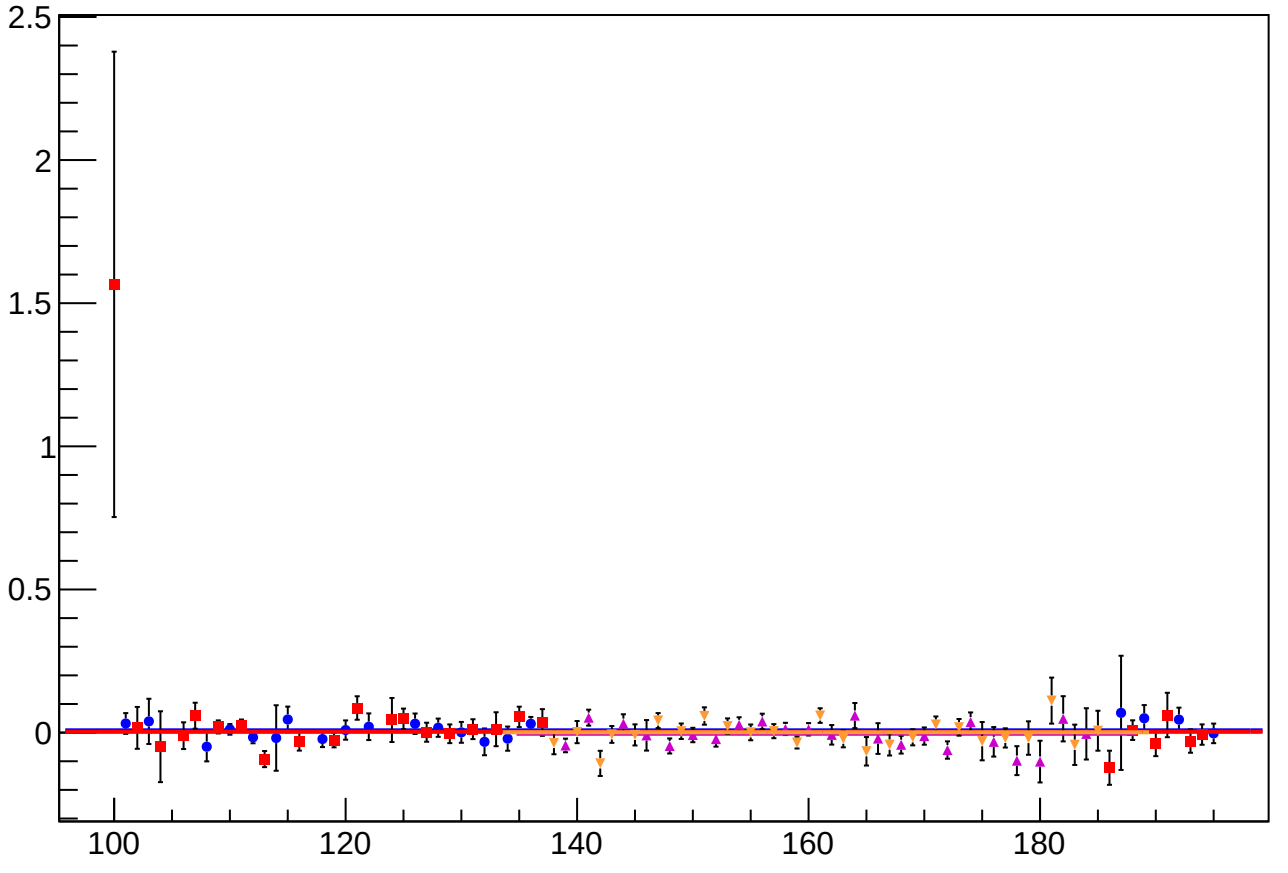
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5165985.6/44

All: 0.000+/-0.000 χ^2/NDF: 13488559.3/92

- sign 0.000+/-0.000 χ^2/NDF: 8127345.2/47

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: 36.8/24

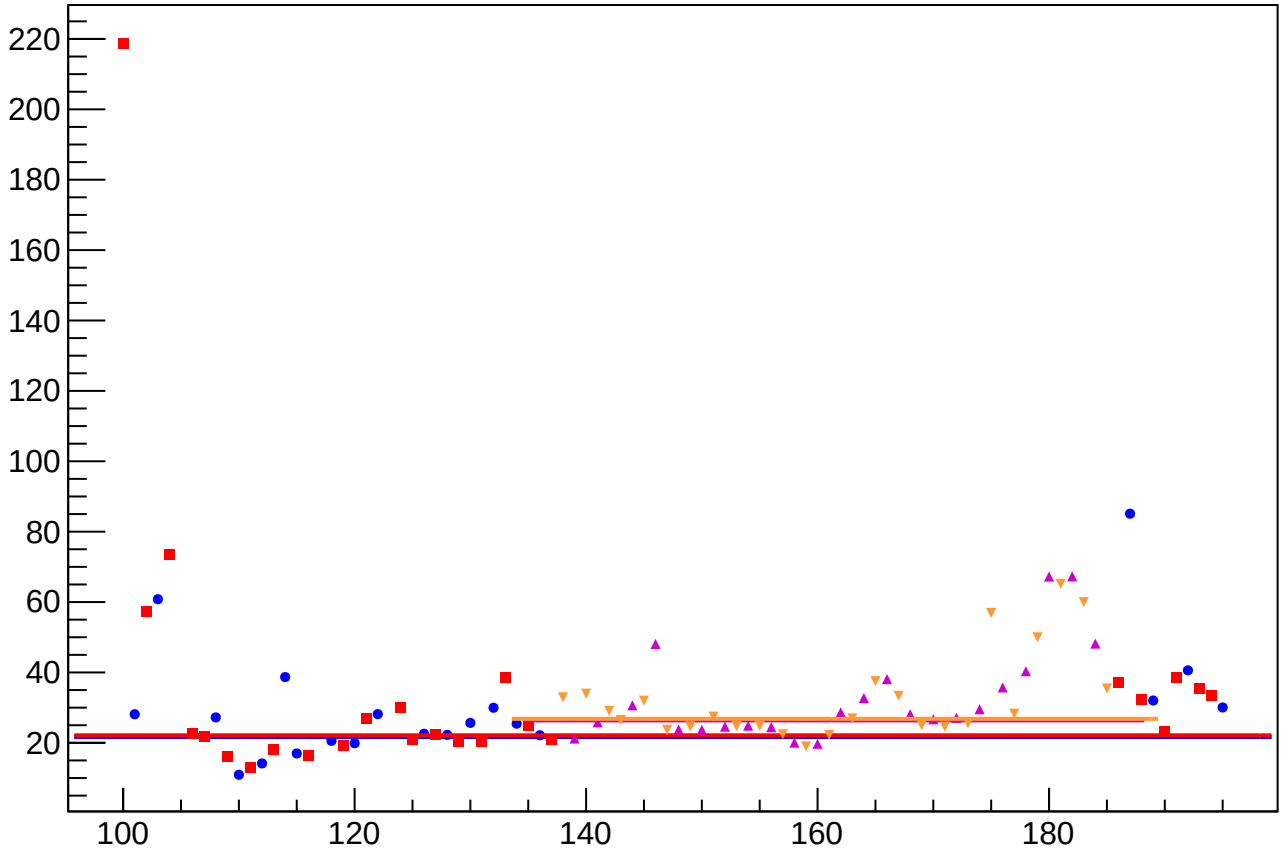
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.4/92

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

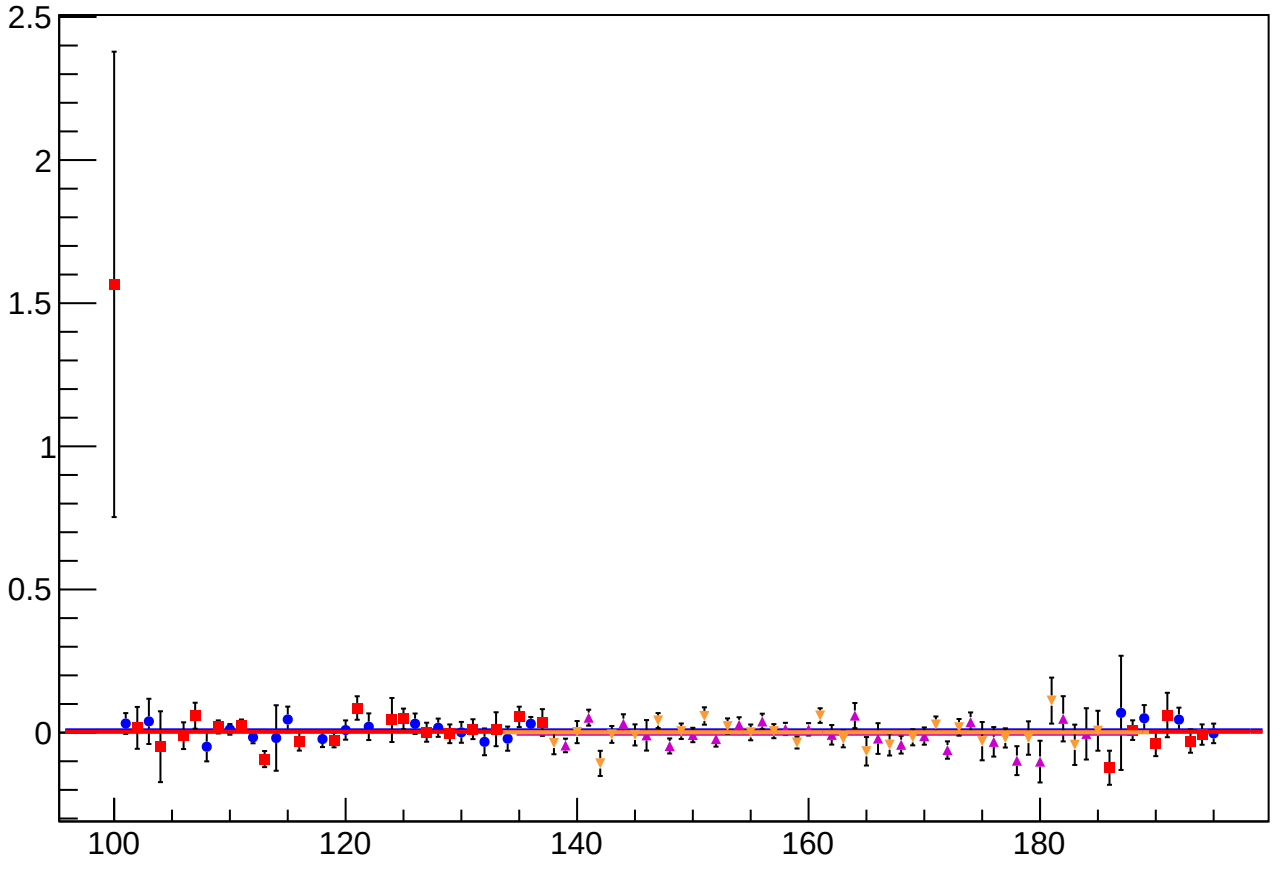
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.663+/-0.004 χ^2/NDF: 5559768.7/44

All: 24.574+/-0.002 χ^2/NDF: 11170022.9/92

- sign 24.487+/-0.003 χ^2/NDF: 5608977.5/47

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: 36.8/24

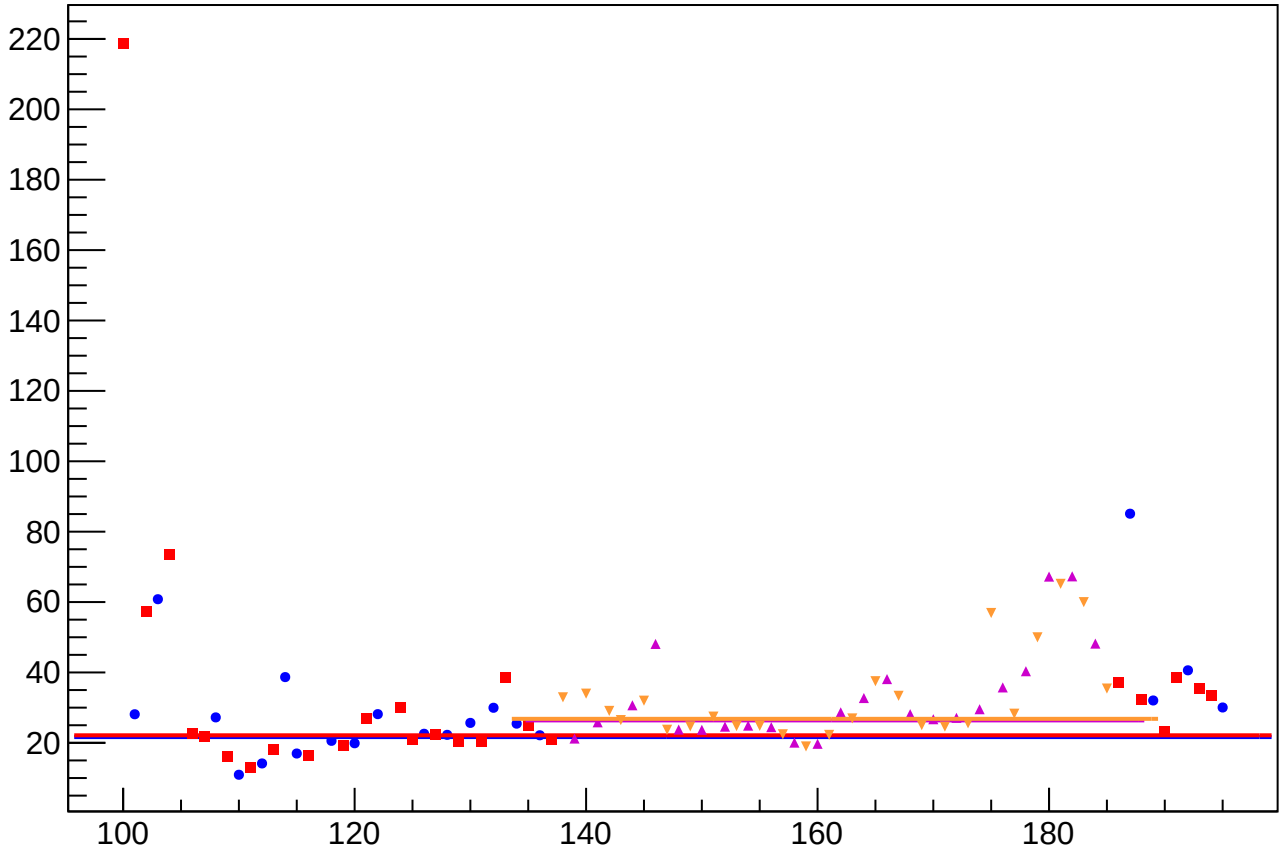
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.4/92

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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

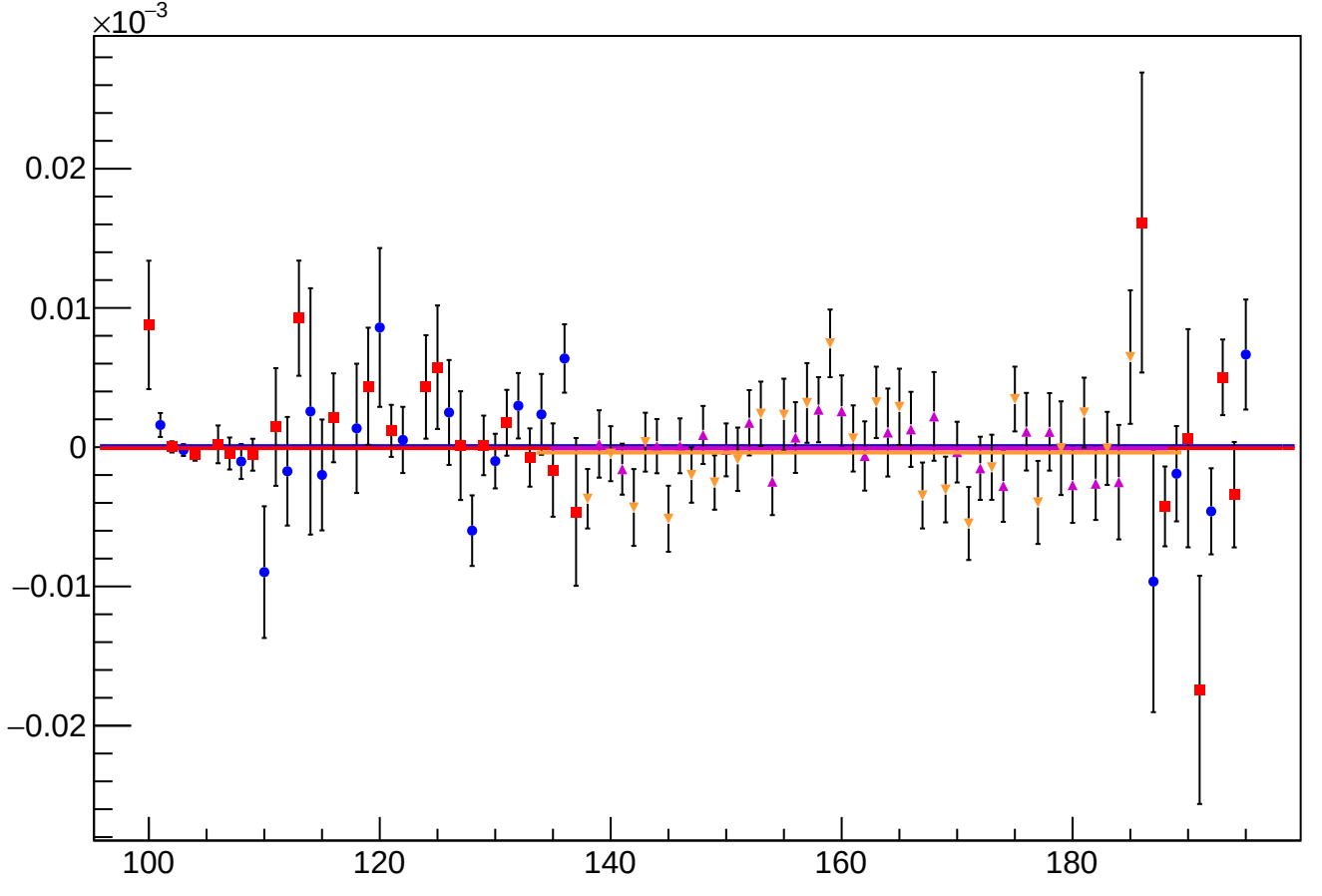
Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.663+/-0.004 χ^2/NDF: 5559768.7/44

All: 24.574+/-0.002 χ^2/NDF: 11170022.9/92

- sign 24.487+/-0.003 χ^2/NDF: 5608977.5/47



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: 30.3/24

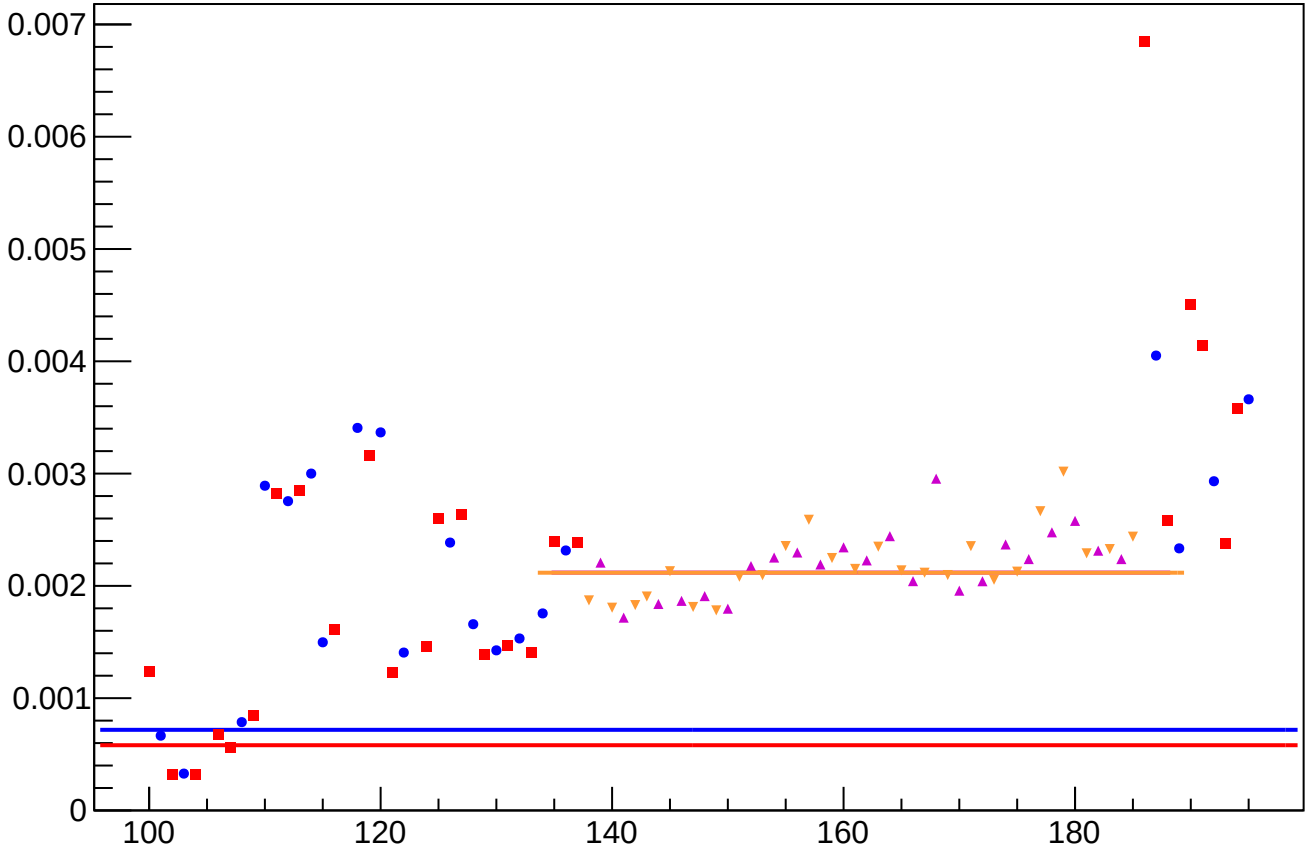
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/44

All: -0.000+/-0.000 χ^2/NDF: 116.7/92

- sign -0.000+/-0.000 χ^2/NDF: 40.5/47

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: 11437965.4/24

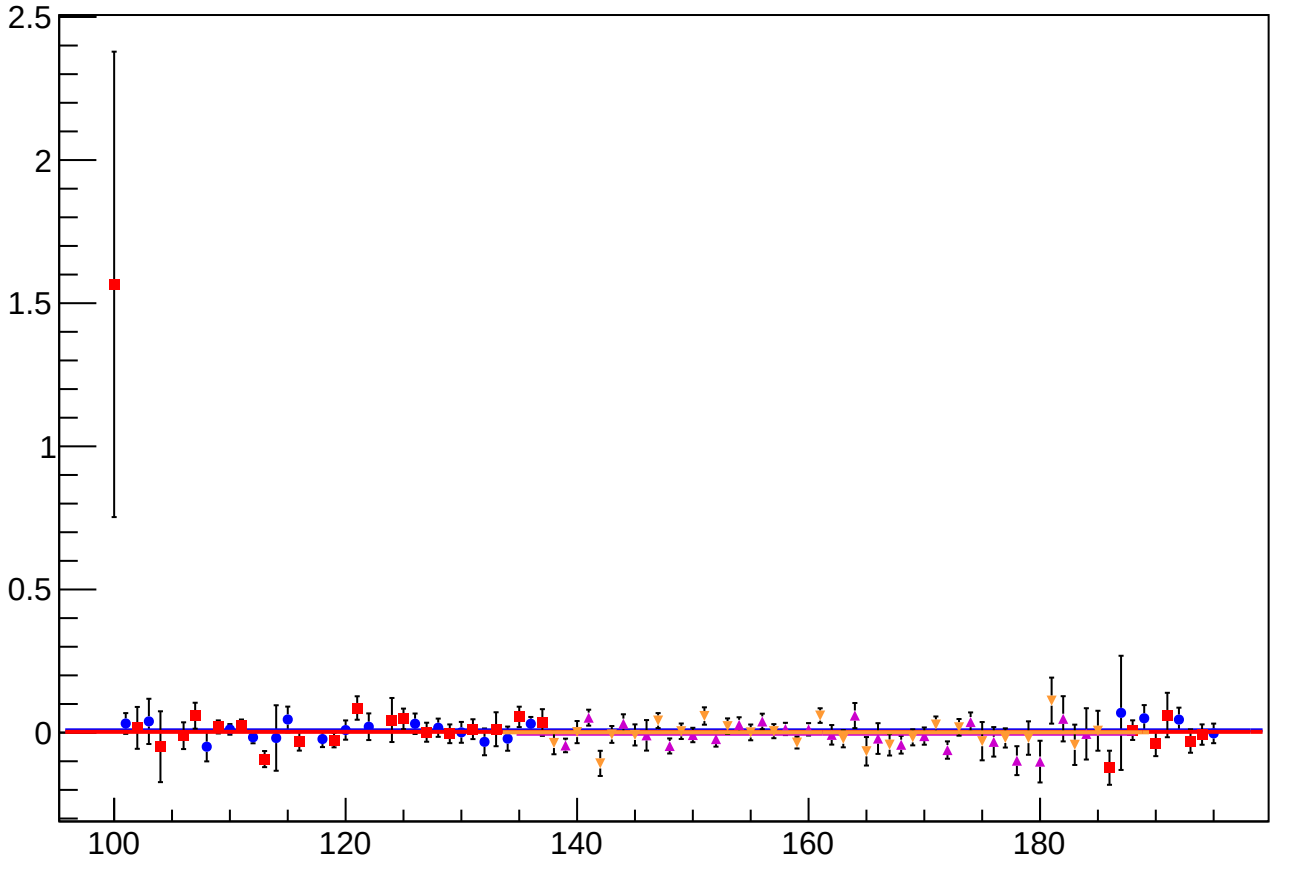
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 21212070.1/44

All: 0.001+/-0.000 χ^2/NDF: 49202313.1/92

- sign 0.001+/-0.000 χ^2/NDF: 26967456.8/47

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: 36.8/24

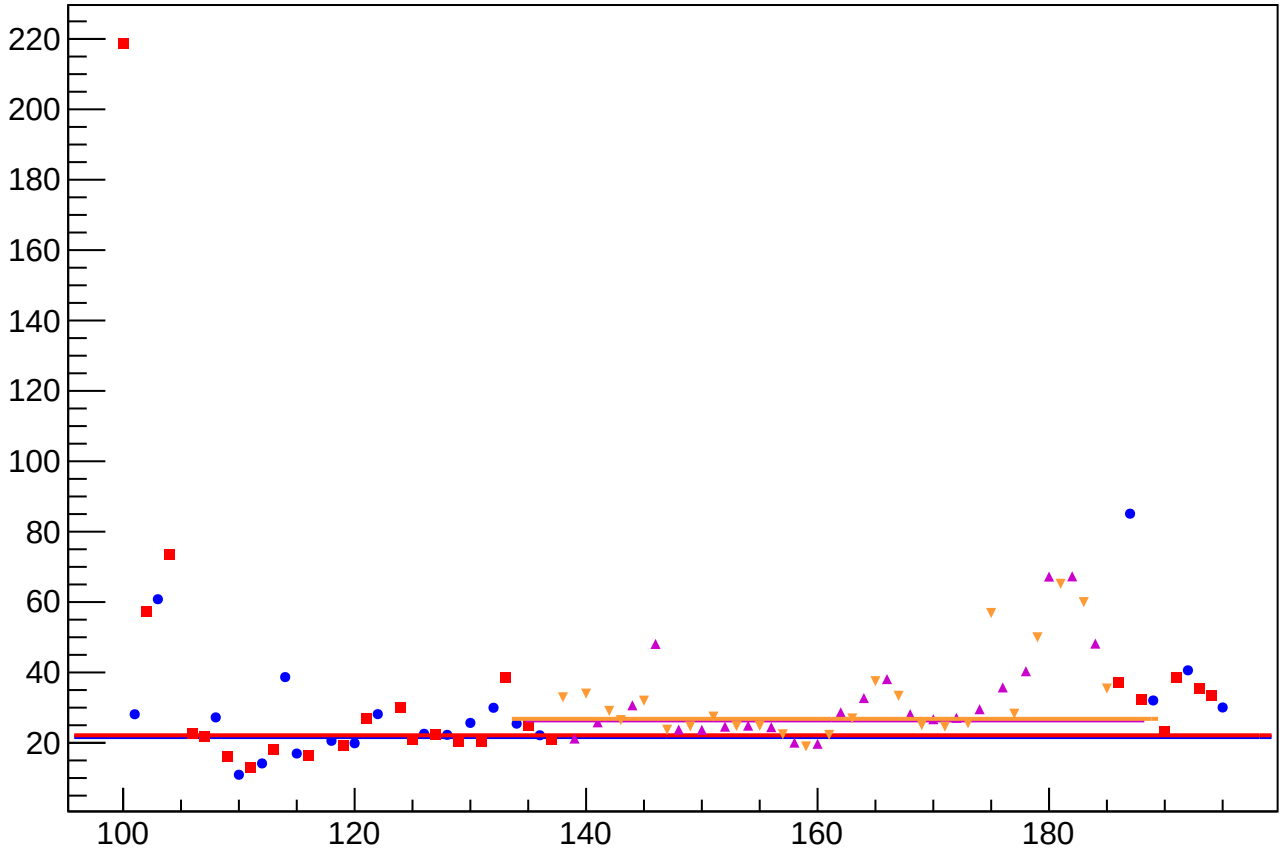
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.4/92

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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

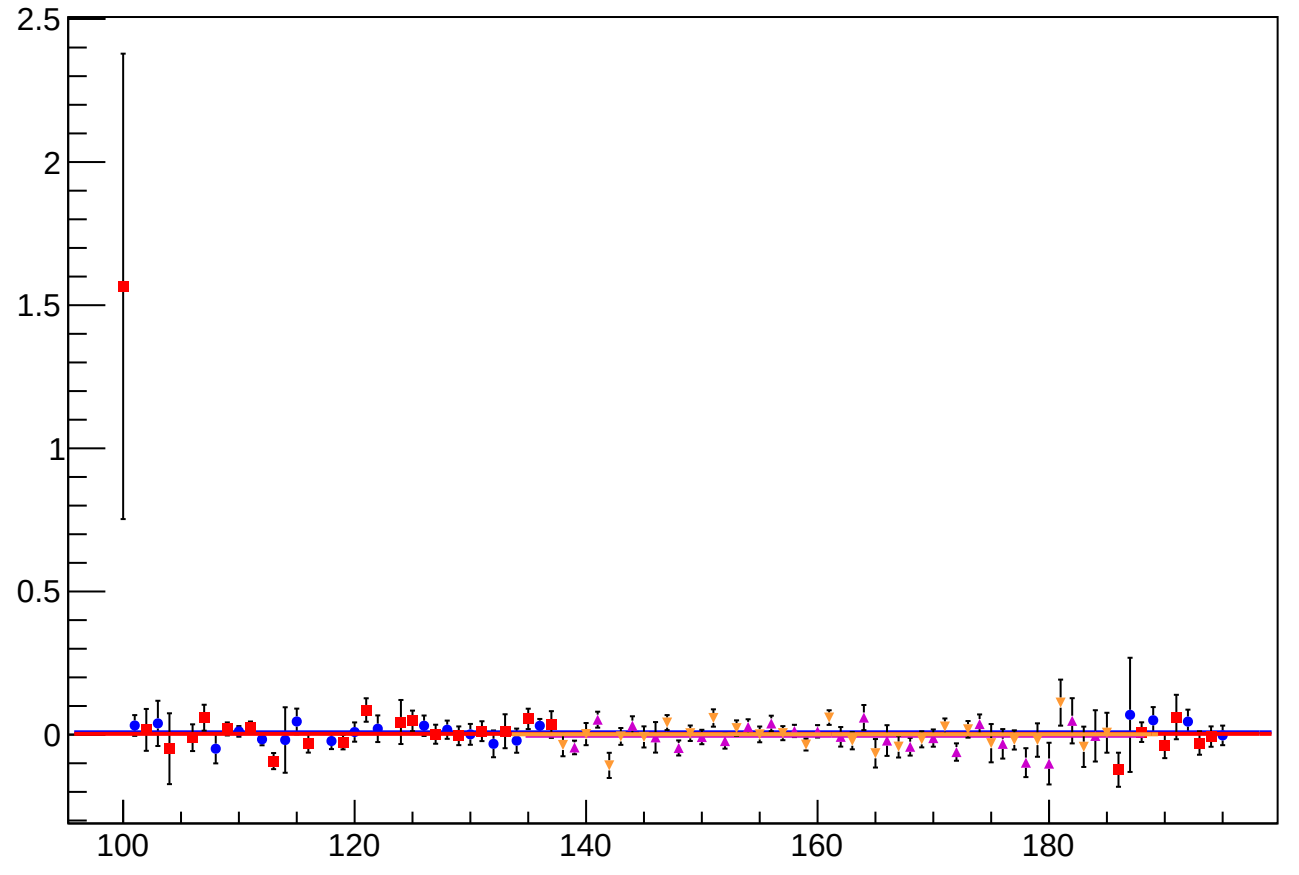
Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.664+/-0.004 χ^2/NDF: 5559514.1/44

All: 24.574+/-0.002 χ^2/NDF: 11169661.2/92

- sign 24.487+/-0.003 χ^2/NDF: 5608867.5/47



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: 36.8/24

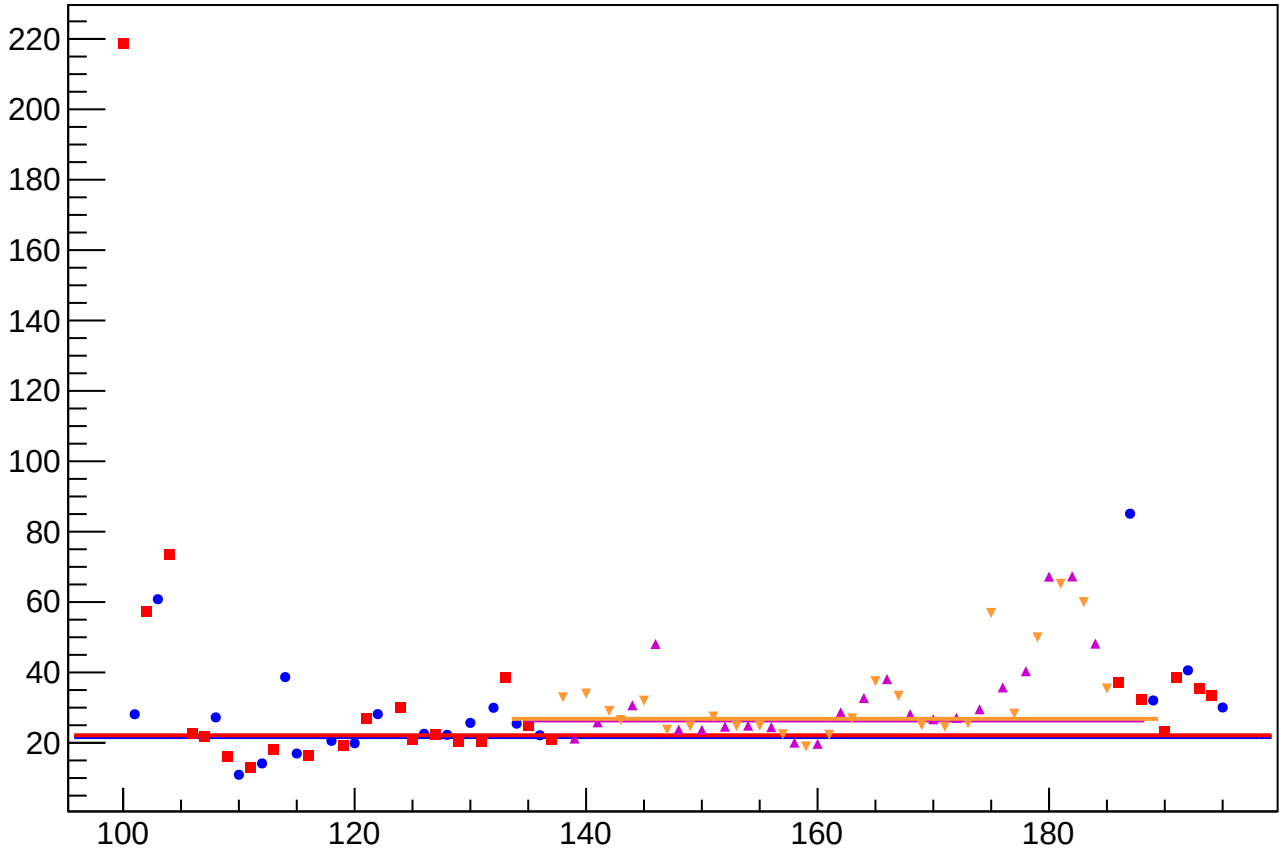
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/44

All: 0.002+/-0.003 χ^2/NDF: 109.4/92

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

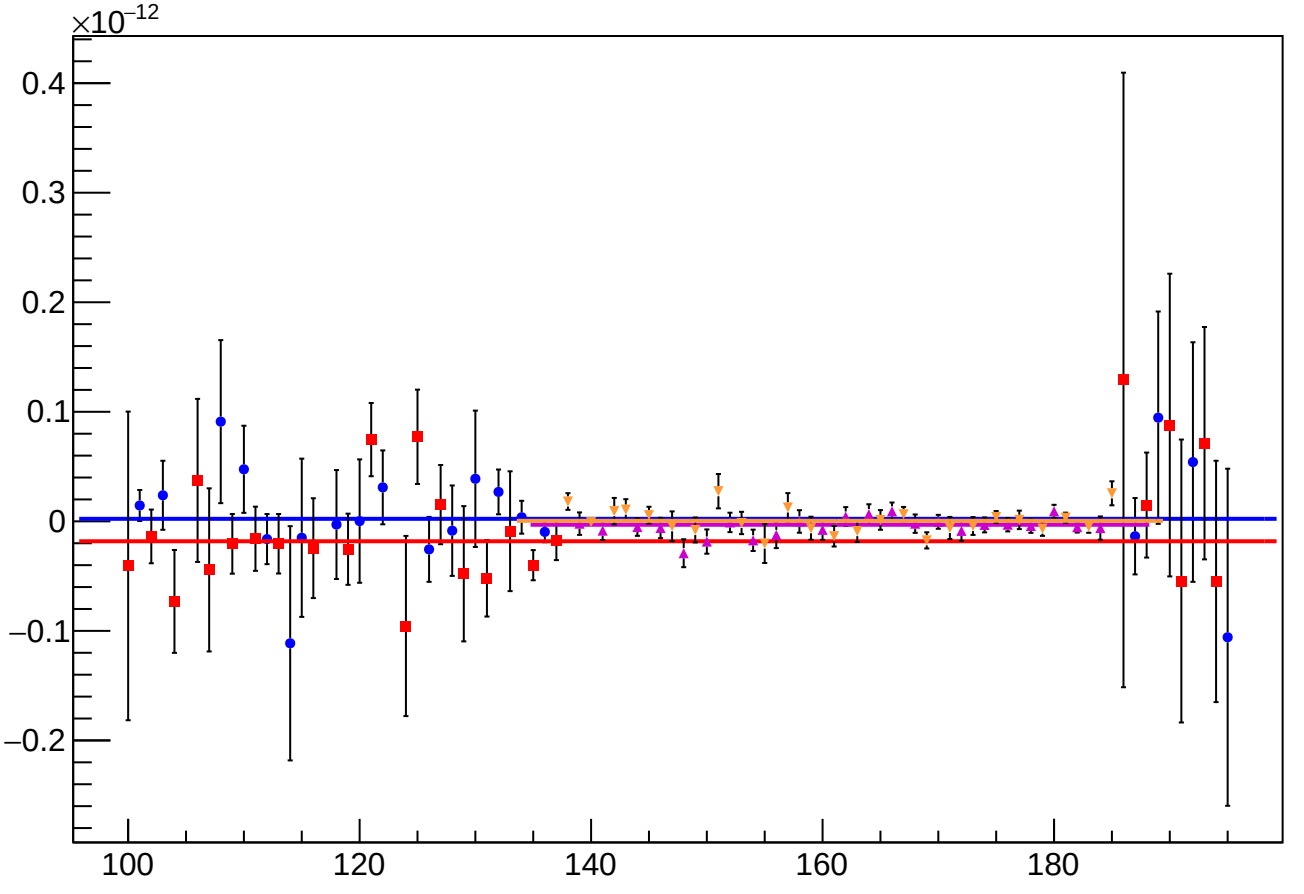
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.664+/-0.004 χ^2/NDF: 5559514.1/44

All: 24.574+/-0.002 χ^2/NDF: 11169661.2/92

- sign 24.487+/-0.003 χ^2/NDF: 5608867.5/47

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

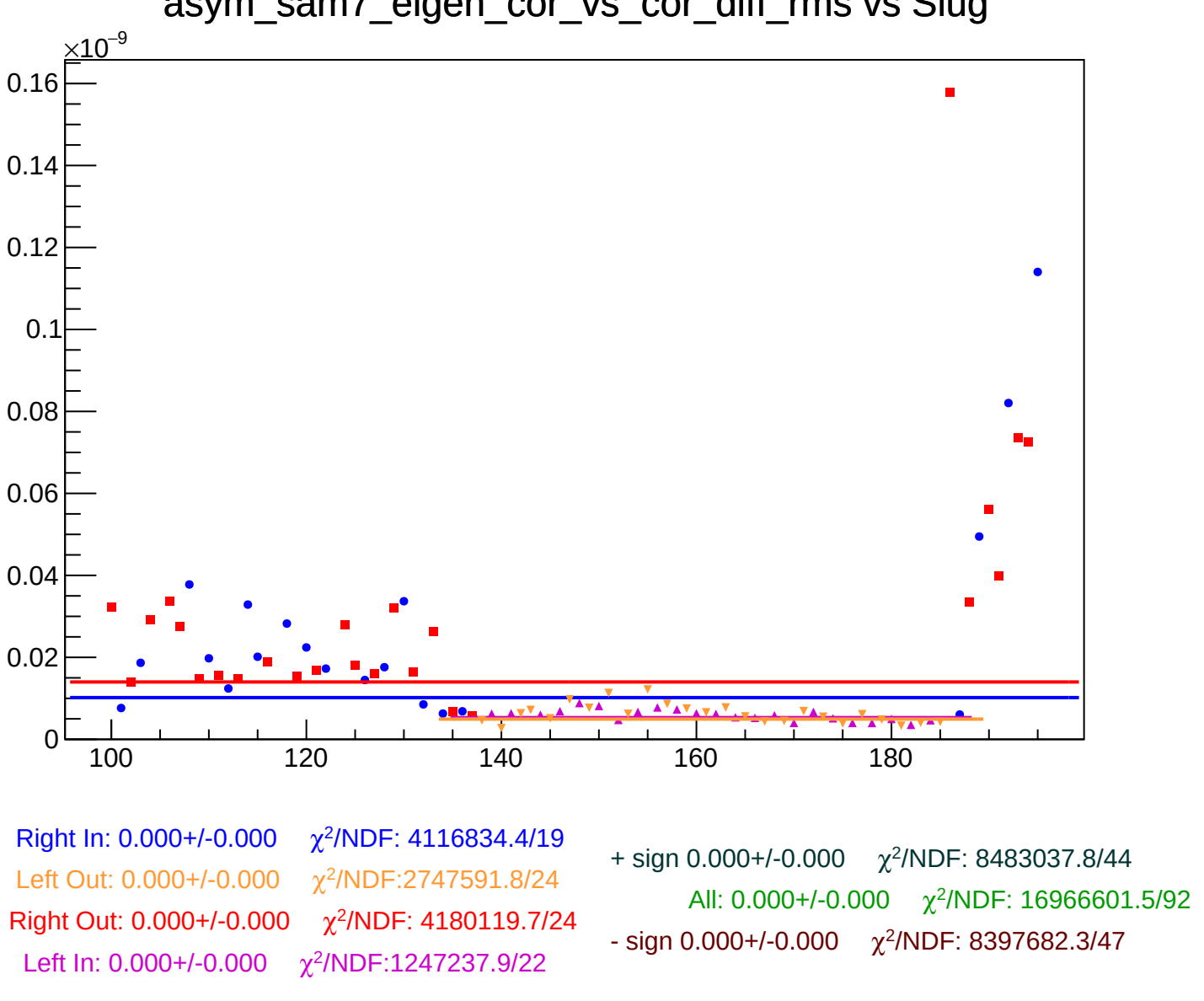
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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

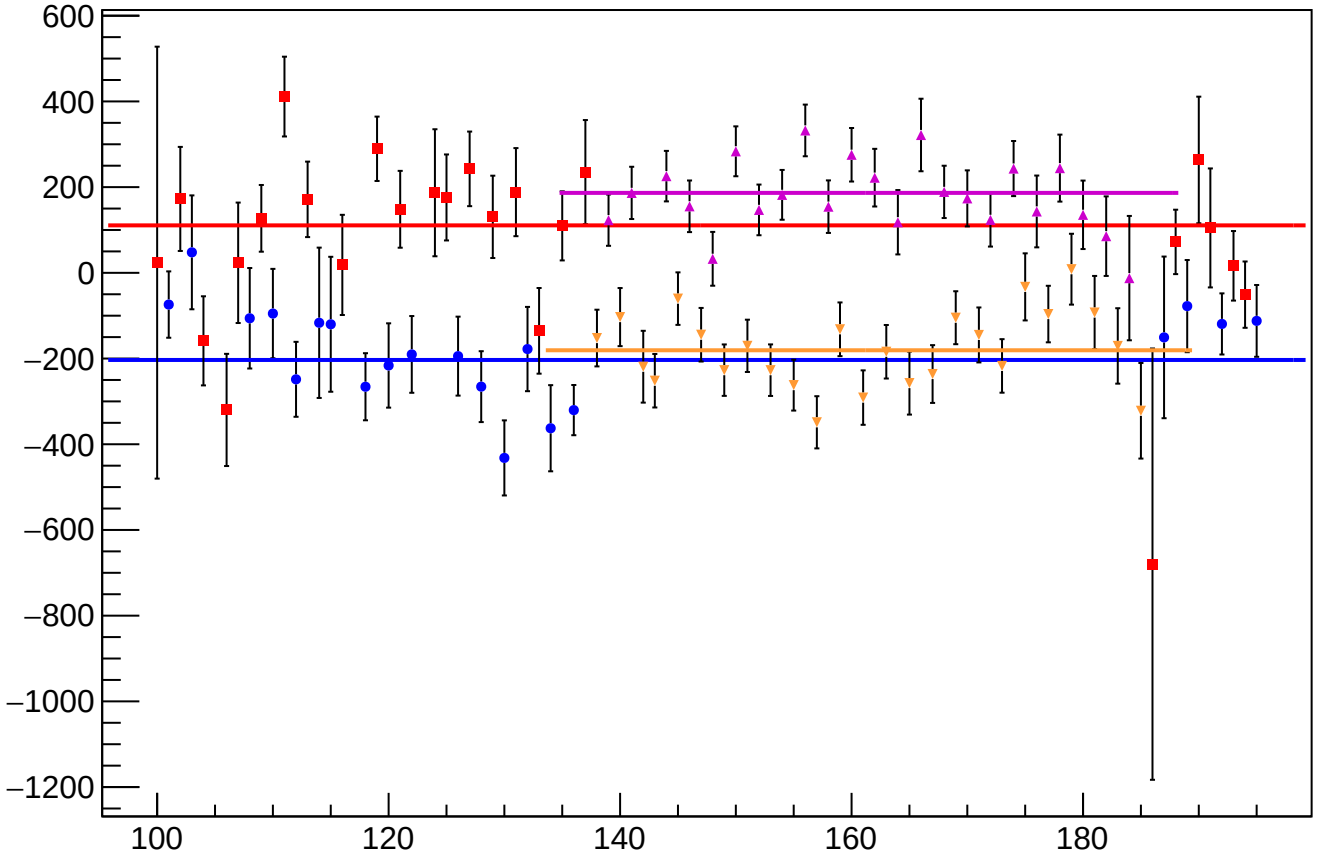
+ sign 0.000+/-0.000 χ^2/NDF: 45.4/44

All: -0.000+/-0.000 χ^2/NDF: 95.7/92

- sign -0.000+/-0.000 χ^2/NDF: 46.0/47


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4116834.4/19
Left Out: 0.000+/-0.000 χ²/NDF:2747591.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4180119.7/24
Left In: 0.000+/-0.000 χ²/NDF:1247237.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8483037.8/44
All: 0.000+/-0.000 χ²/NDF: 16966601.5/92
- sign 0.000+/-0.000 χ²/NDF: 8397682.3/47

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: 110.768+/-20.175 χ^2/NDF: 55.8/24

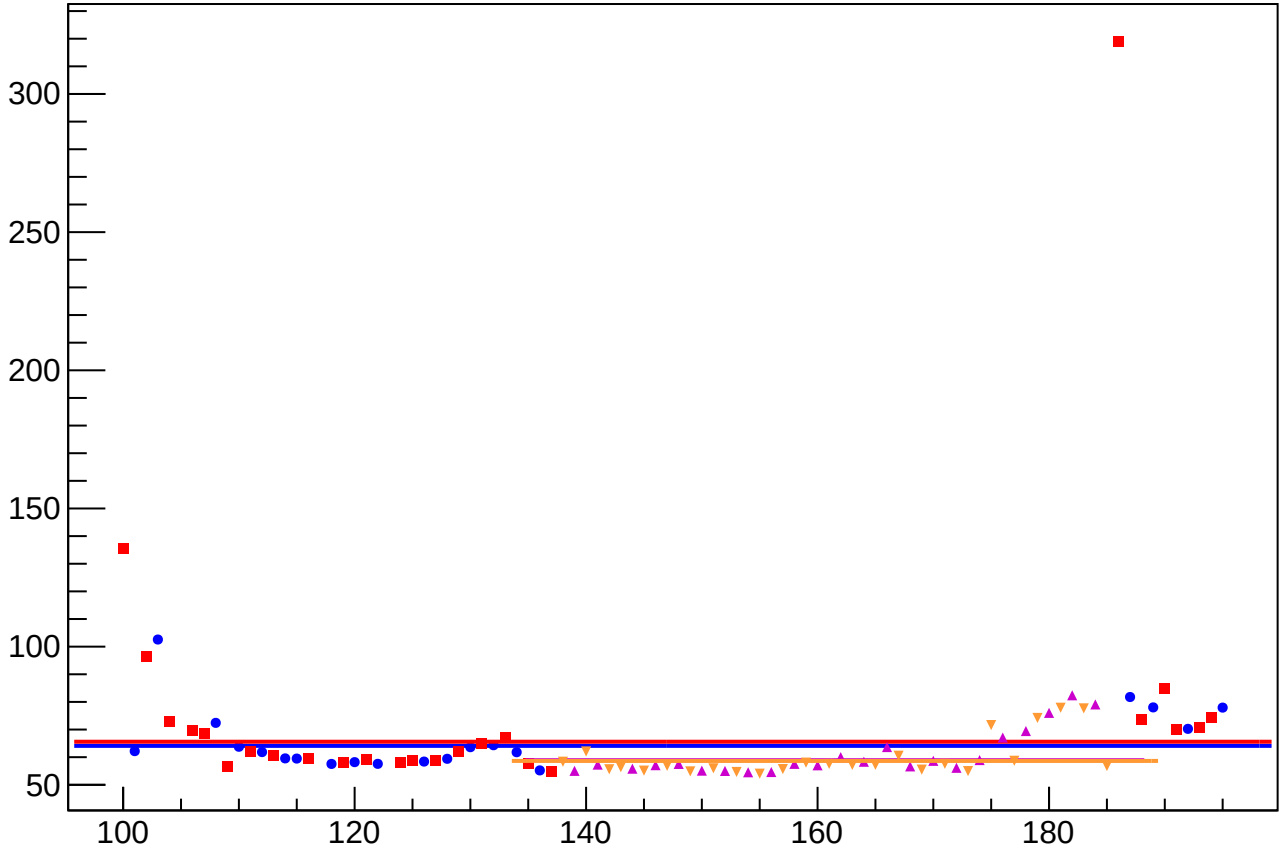
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.363+/-11.266 χ^2/NDF: 67.0/44

All: -14.977+/-8.022 χ^2/NDF: 636.3/92

- sign 162.264+/-11.424 χ^2/NDF: 94.4/47

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: 65.595+/-0.014 χ^2/NDF: 917351.6/24

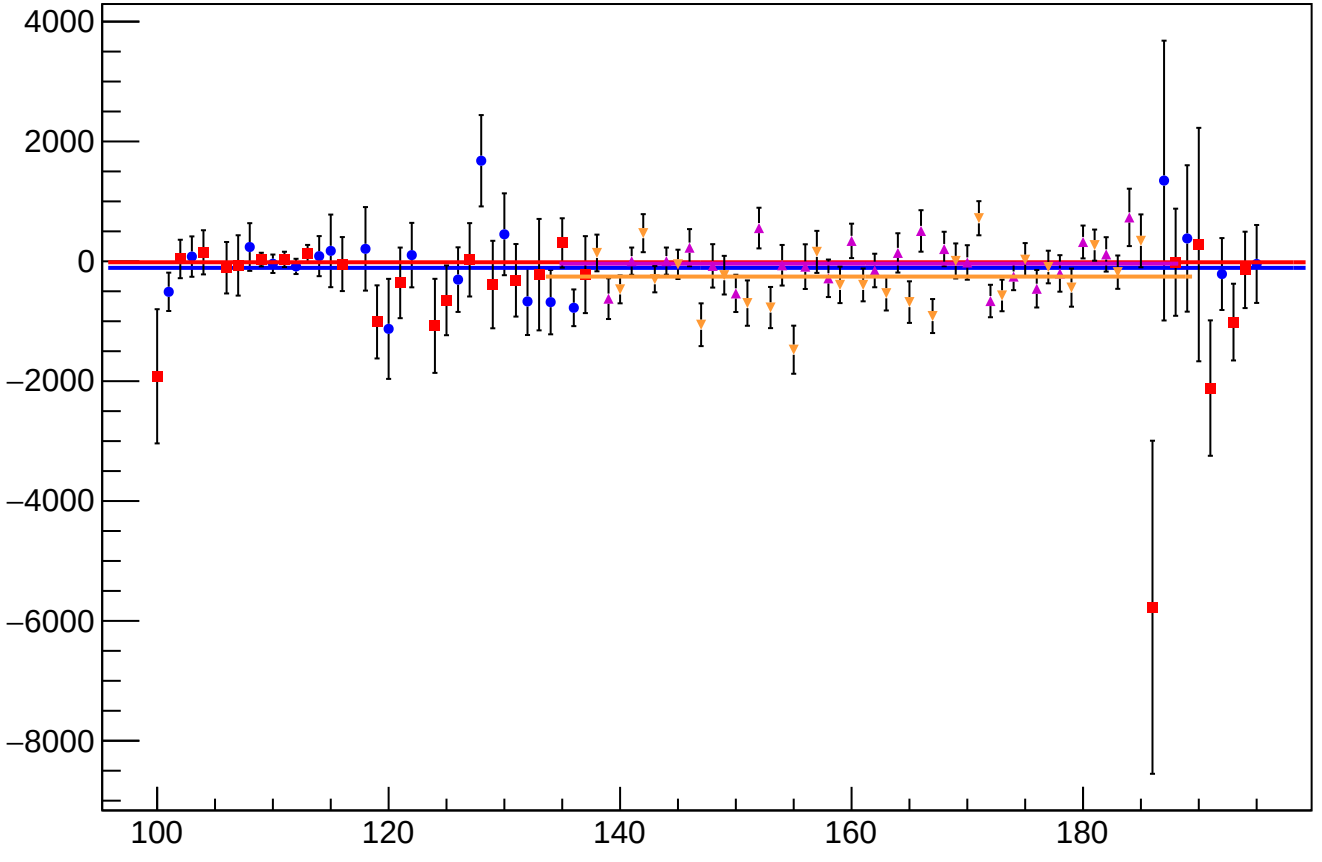
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888012.9/44

All: 60.646+/-0.006 χ^2/NDF: 2346493.1/92

- sign 61.051+/-0.008 χ^2/NDF: 1453529.5/47

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: -15.791+/-62.996 χ^2/NDF: 22.0/24

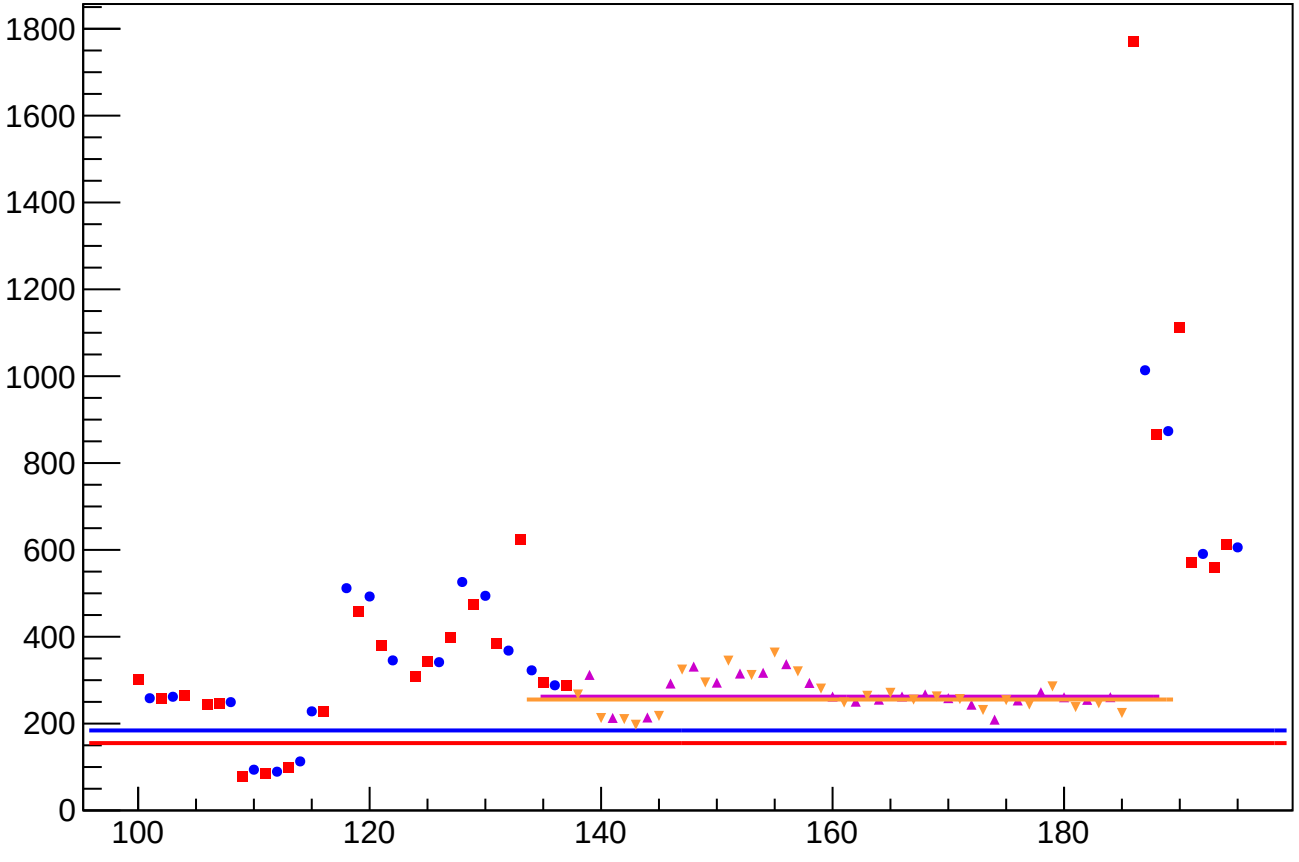
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.100+/-46.292 χ^2/NDF: 79.0/44

All: -109.323+/-31.948 χ^2/NDF: 136.6/92

- sign -27.677+/-44.146 χ^2/NDF: 50.4/47

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: 155.093+/-0.045 χ^2/NDF: 9799036.4/24

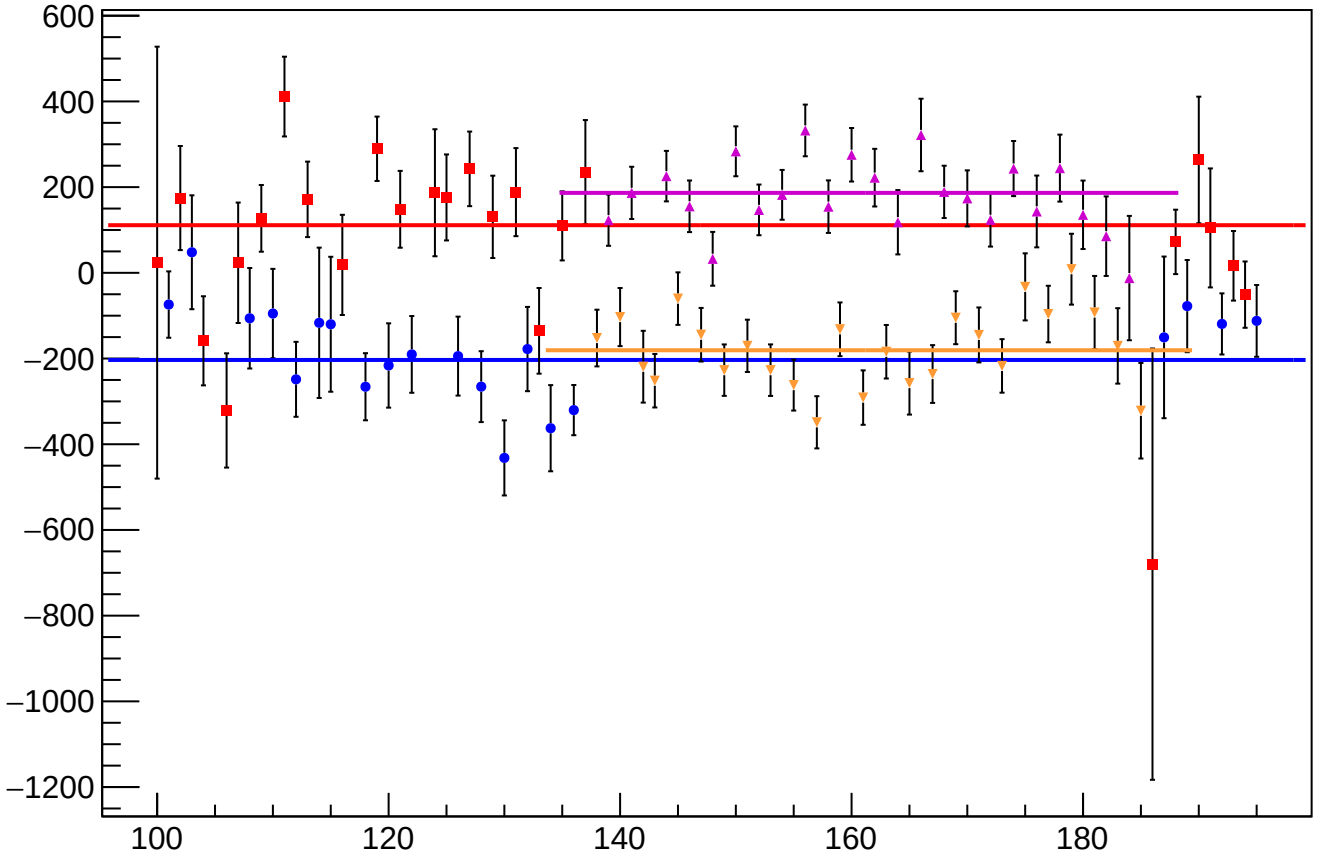
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259926.1/44

All: 218.444+/-0.023 χ^2/NDF: 22833458.7/92

- sign 209.503+/-0.031 χ^2/NDF: 13401288.8/47

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: 111.164+/-20.184 χ^2/NDF: 55.5/24

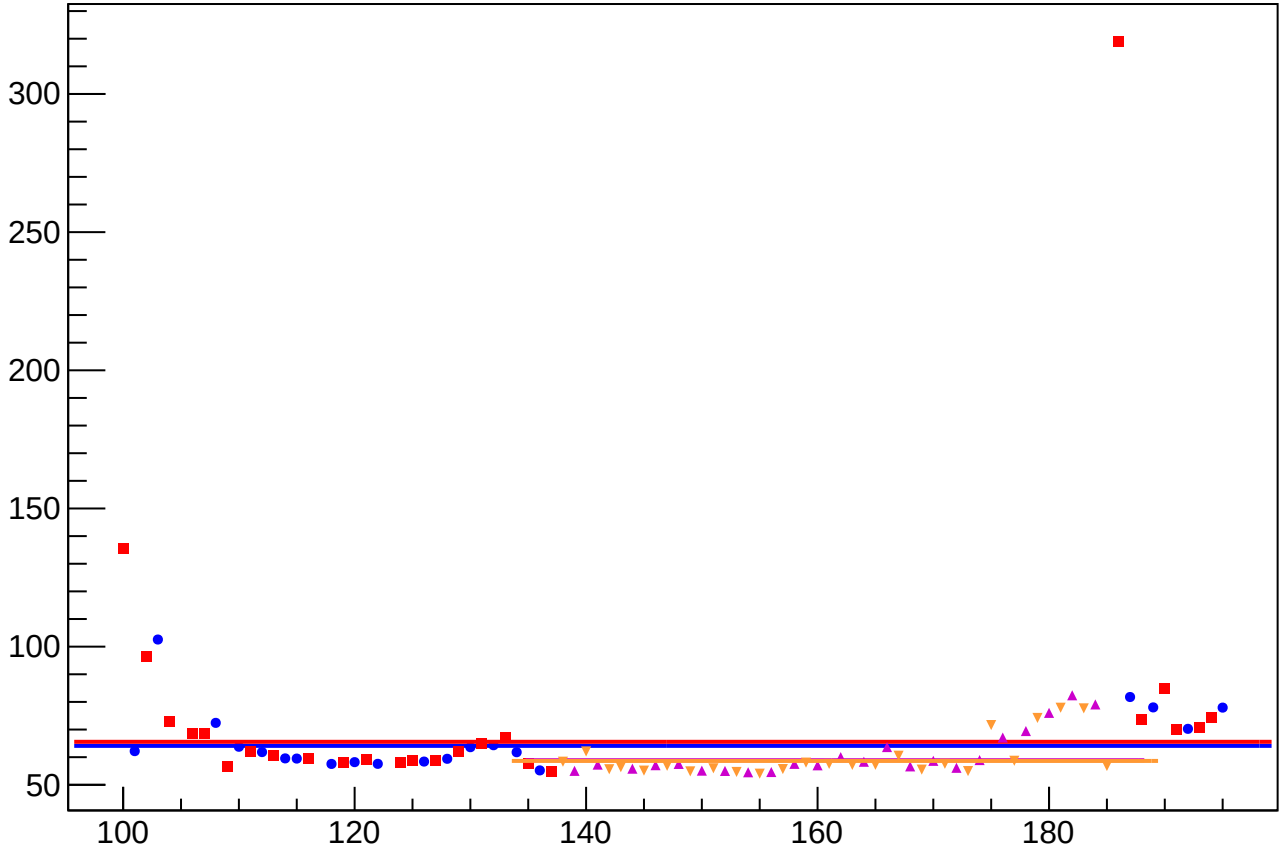
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.359+/-11.266 χ^2/NDF: 67.0/44

All: -14.929+/-8.022 χ^2/NDF: 636.2/92

- sign 162.405+/-11.425 χ^2/NDF: 94.0/47

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: 65.565+/-0.014 χ^2/NDF: 916570.9/24

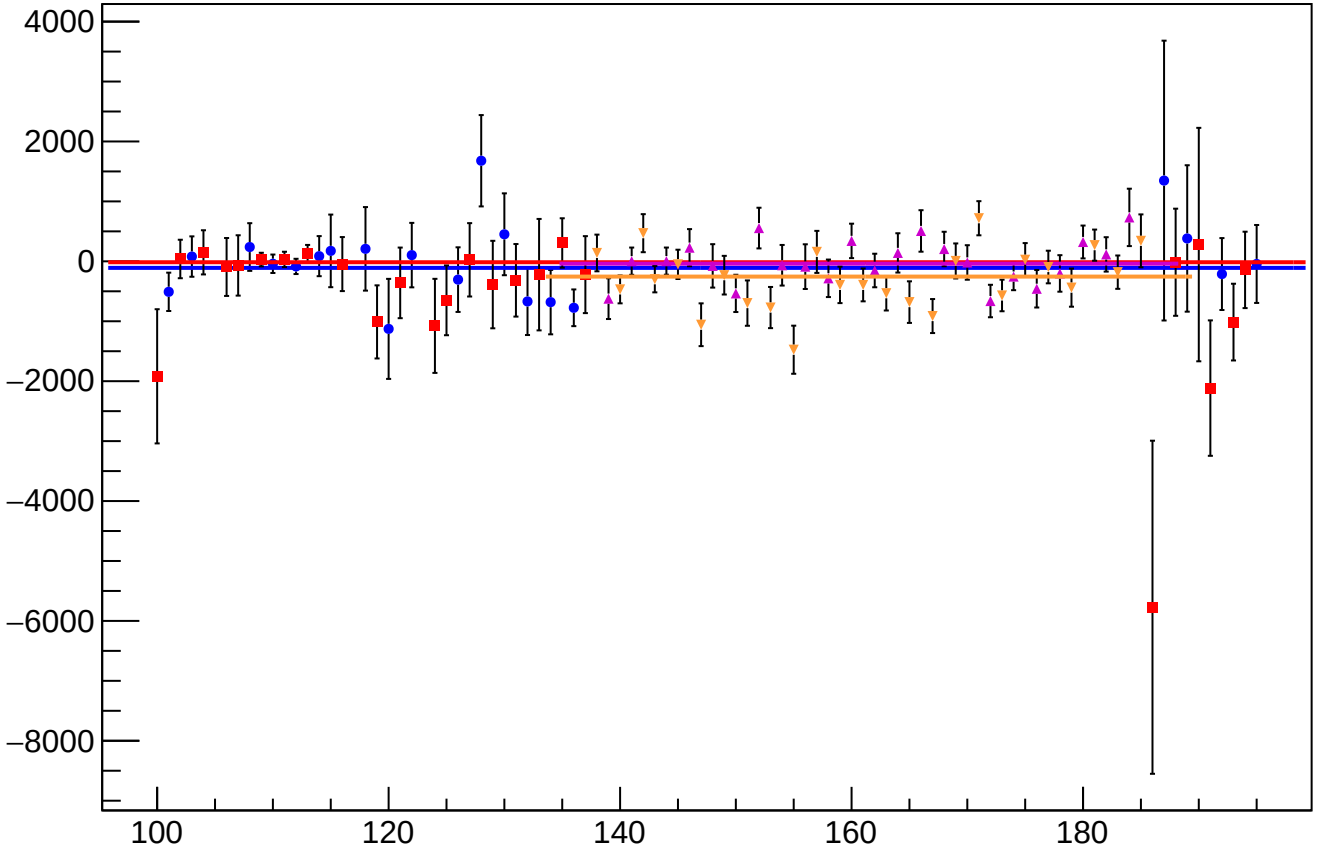
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888015.5/44

All: 60.641+/-0.006 χ^2/NDF: 2344162.3/92

- sign 61.040+/-0.008 χ^2/NDF: 1451330.4/47

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: -15.185+/-63.141 χ^2/NDF: 22.0/24

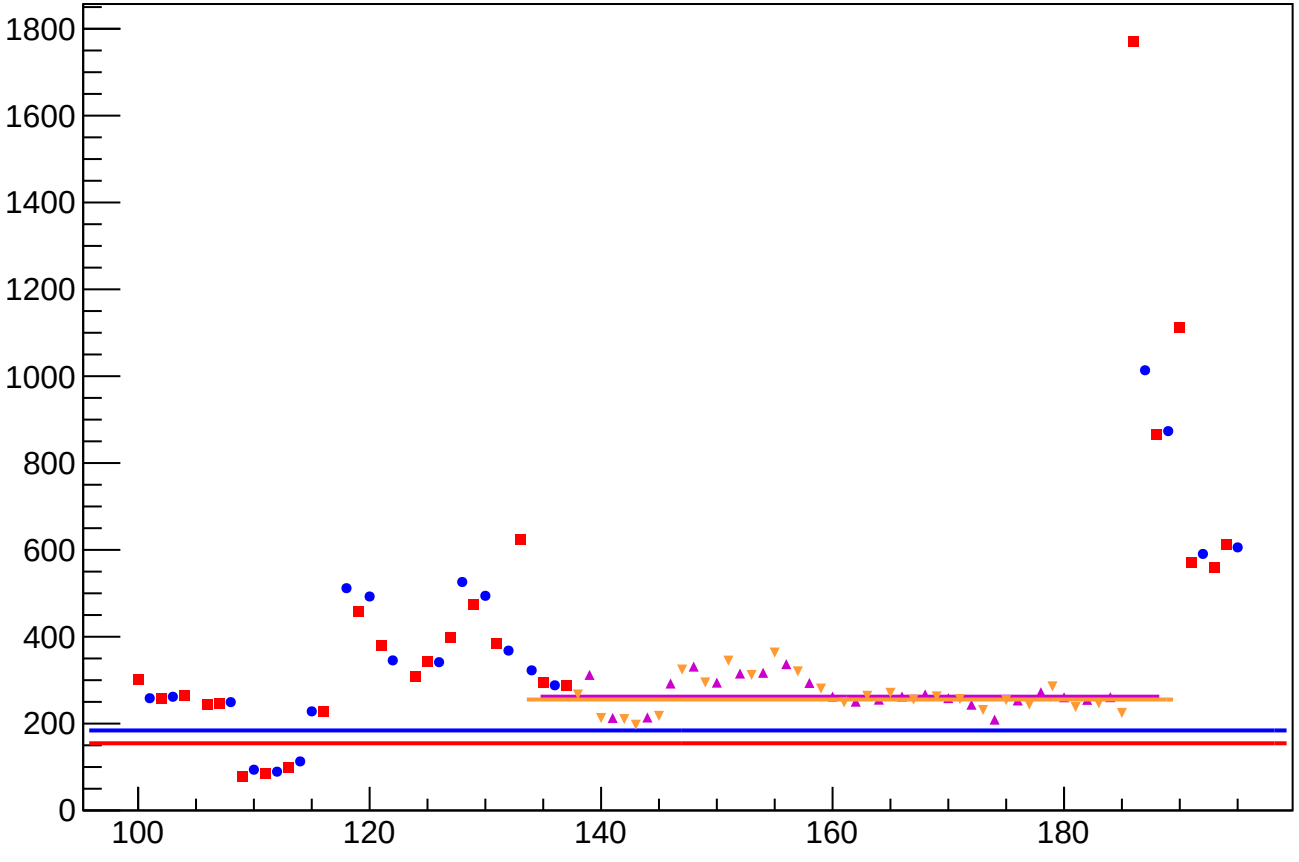
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.092+/-46.292 χ^2/NDF: 79.0/44

All: -109.273+/-31.967 χ^2/NDF: 136.6/92

- sign -27.406+/-44.196 χ^2/NDF: 50.4/47

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: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

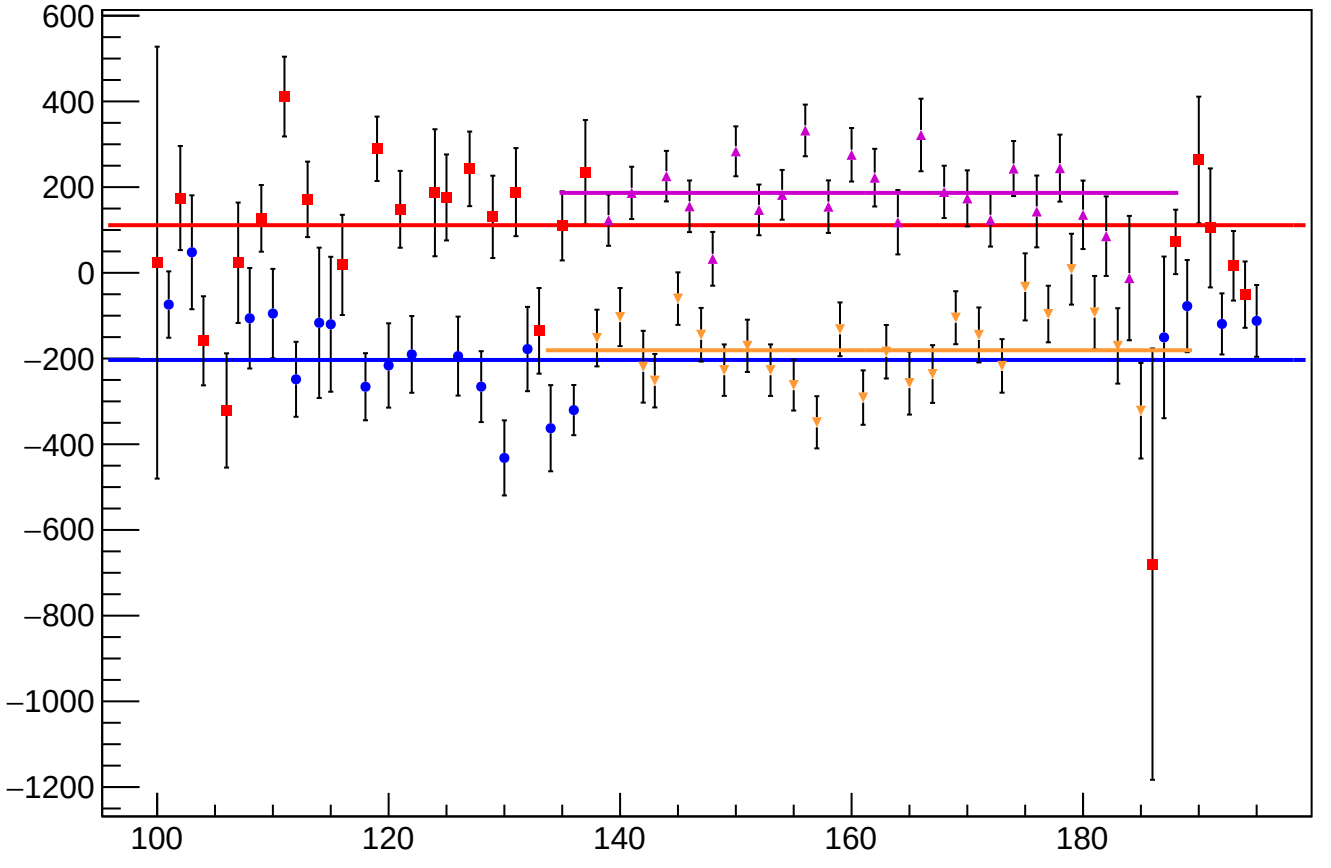
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259951.7/44

All: 218.416+/-0.023 χ^2/NDF: 22832570.6/92

- sign 209.429+/-0.031 χ^2/NDF: 13399196.9/47

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: 111.164+/-20.184 χ^2/NDF: 55.5/24

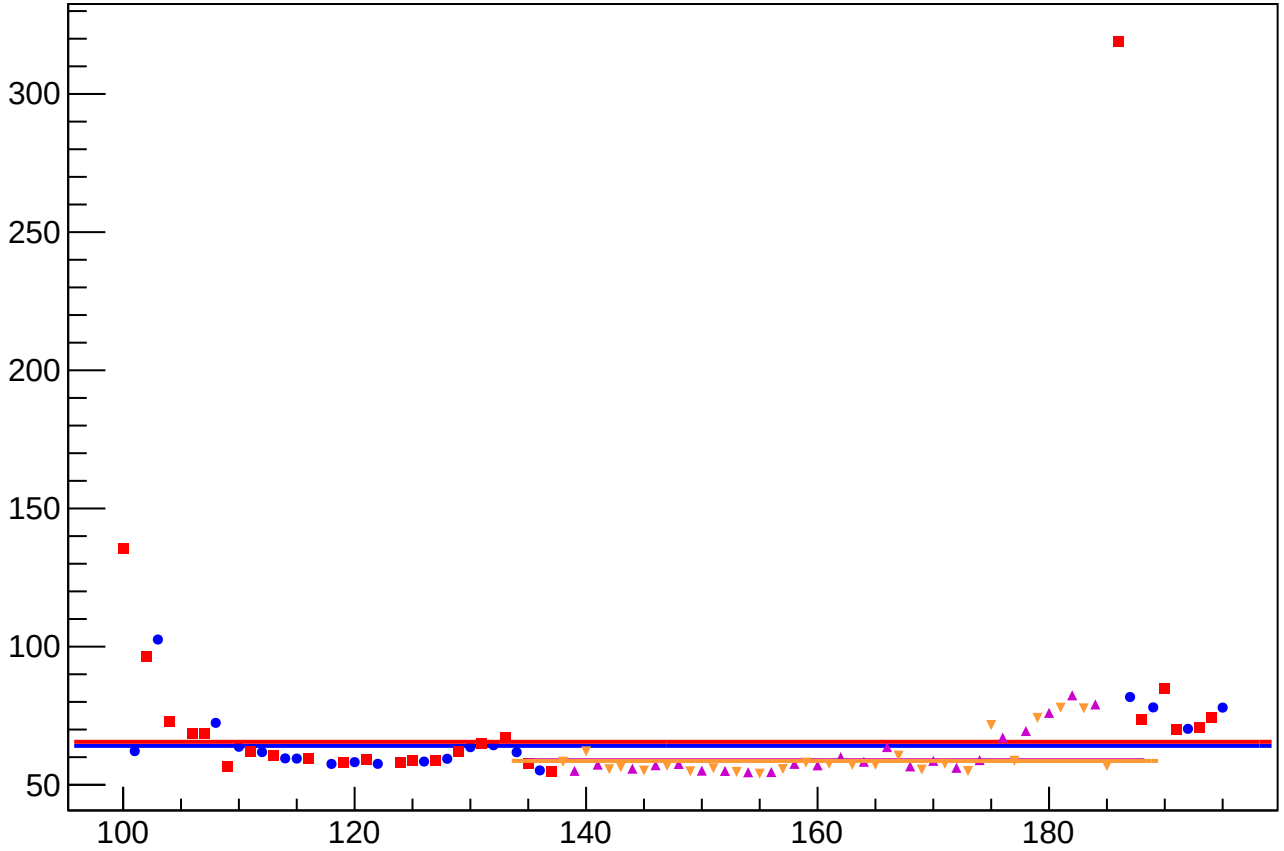
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -187.359+/-11.266 χ^2/NDF: 67.0/44

All: -14.929+/-8.022 χ^2/NDF: 636.2/92

- sign 162.405+/-11.425 χ^2/NDF: 94.0/47

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: 65.565+/-0.014 χ^2/NDF: 916570.9/24

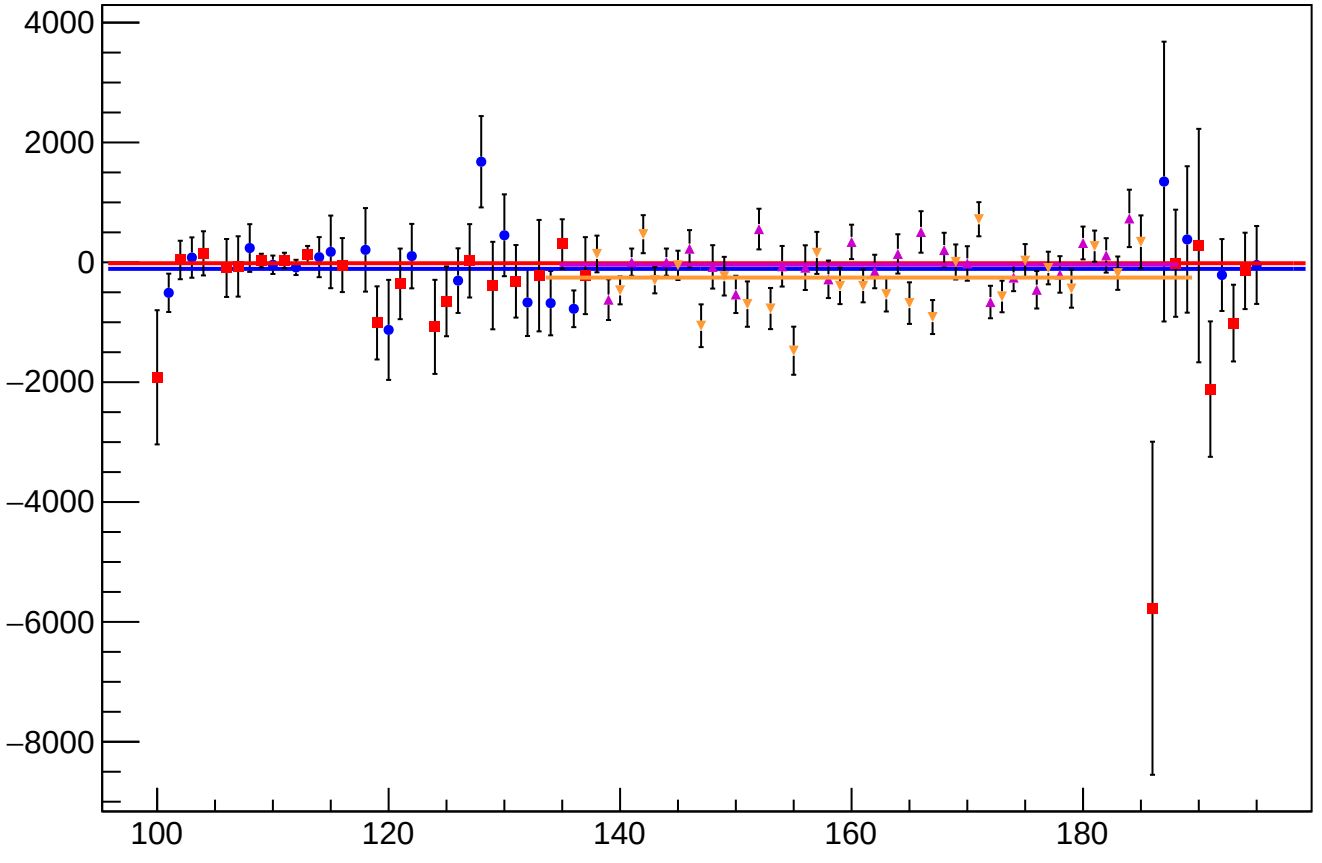
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.253+/-0.008 χ^2/NDF: 888015.5/44

All: 60.641+/-0.006 χ^2/NDF: 2344162.3/92

- sign 61.040+/-0.008 χ^2/NDF: 1451330.4/47

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: -15.185+/-63.141 χ^2/NDF: 22.0/24

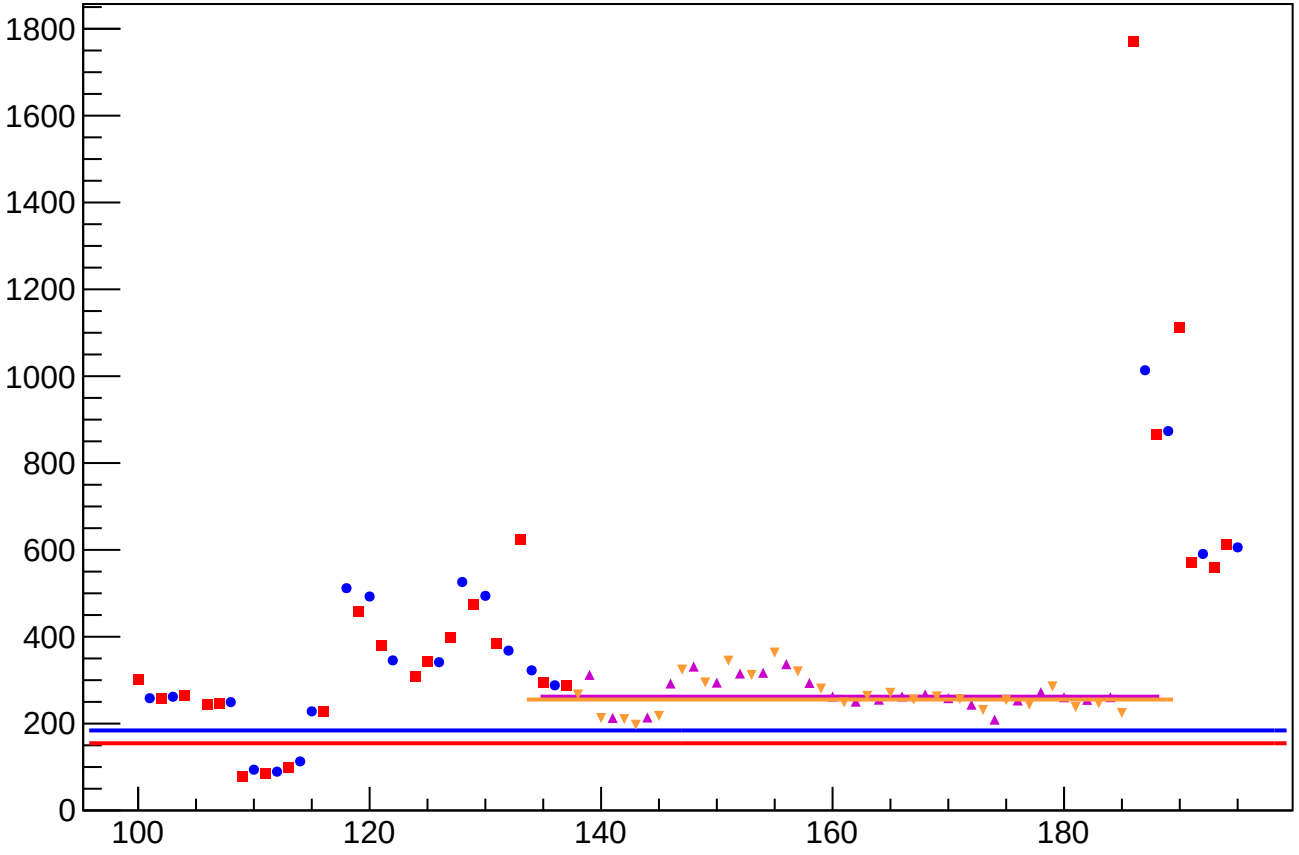
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.092+/-46.292 χ^2/NDF: 79.0/44

All: -109.273+/-31.967 χ^2/NDF: 136.6/92

- sign -27.406+/-44.196 χ^2/NDF: 50.4/47

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: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

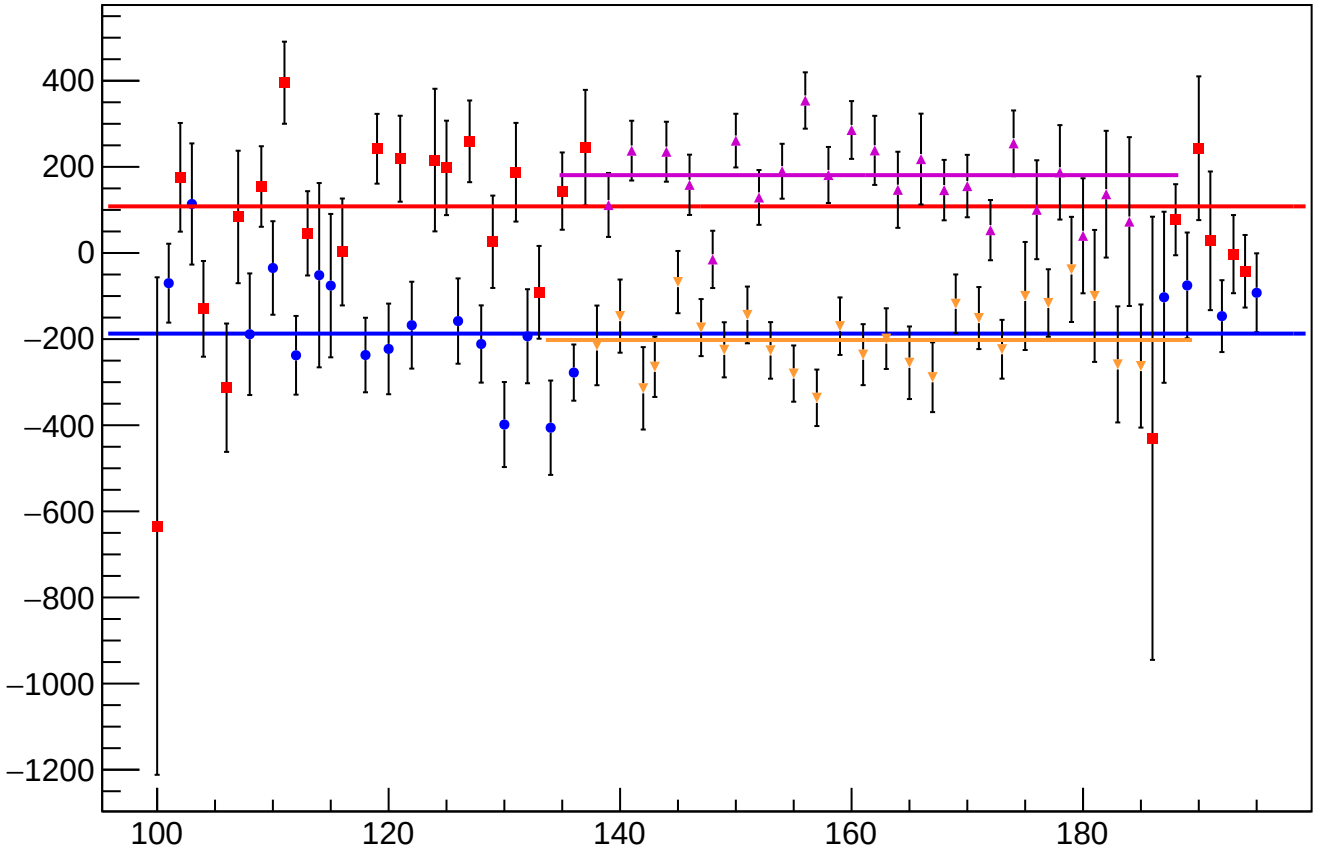
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 228.275+/-0.033 χ^2/NDF: 9259951.7/44

All: 218.416+/-0.023 χ^2/NDF: 22832570.6/92

- sign 209.429+/-0.031 χ^2/NDF: 13399196.9/47

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: 108.260+/-22.210 χ^2/NDF: 45.1/24

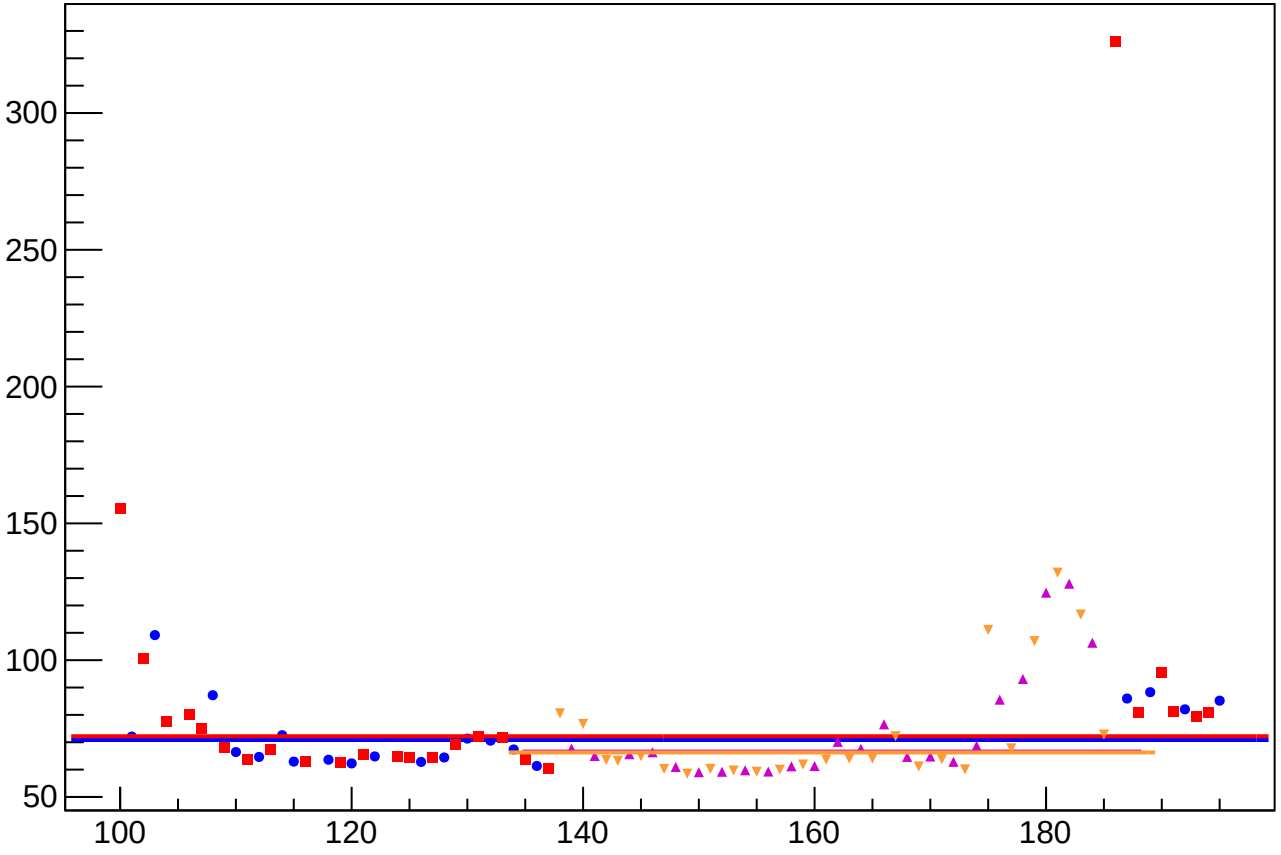
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -197.429+/-12.876 χ^2/NDF: 44.6/44

All: -22.314+/-9.146 χ^2/NDF: 500.1/92

- sign 155.966+/-12.992 χ^2/NDF: 82.2/47

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: 72.192+/-0.016 χ^2/NDF: 874559.2/24

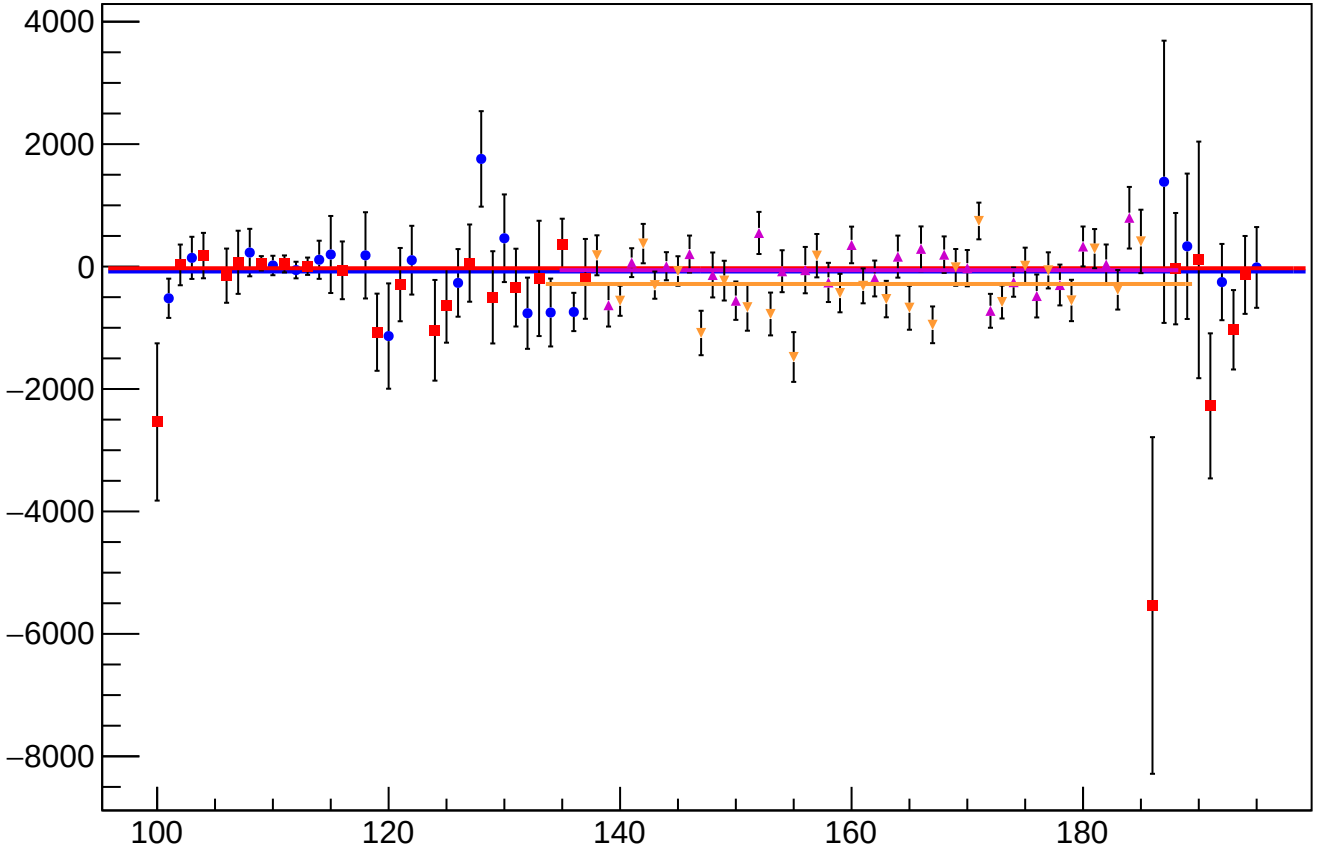
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 67.700+/-0.009 χ^2/NDF: 1879321.2/44

All: 68.098+/-0.006 χ^2/NDF: 3999803.6/92

- sign 68.504+/-0.009 χ^2/NDF: 2116624.6/47

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: -27.609+/-64.907 χ^2/NDF: 22.2/24

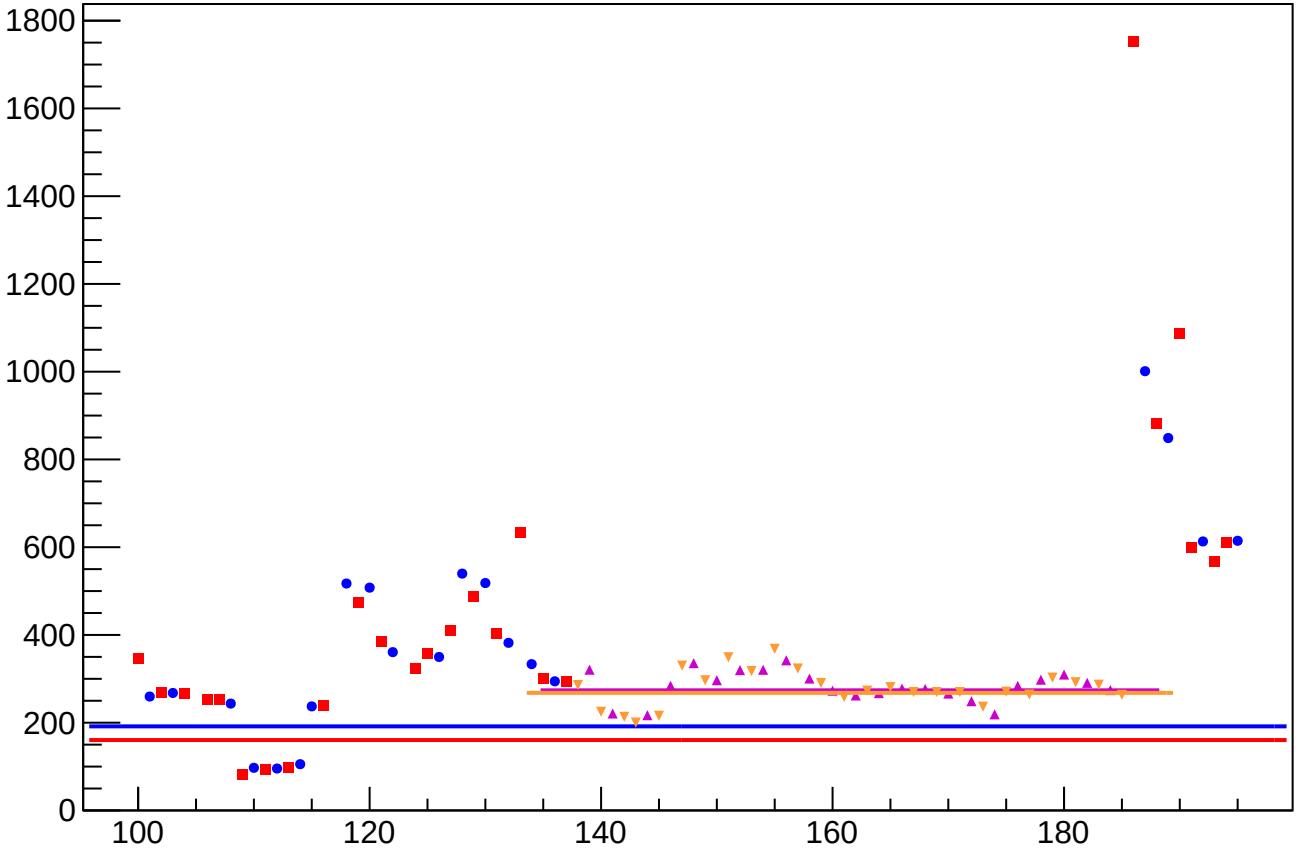
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.055+/-48.237 χ^2/NDF: 78.7/44

All: -120.068+/-33.214 χ^2/NDF: 133.8/92

- sign -43.451+/-45.800 χ^2/NDF: 49.2/47

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: 160.462+/-0.046 χ^2/NDF: 9711075.1/24

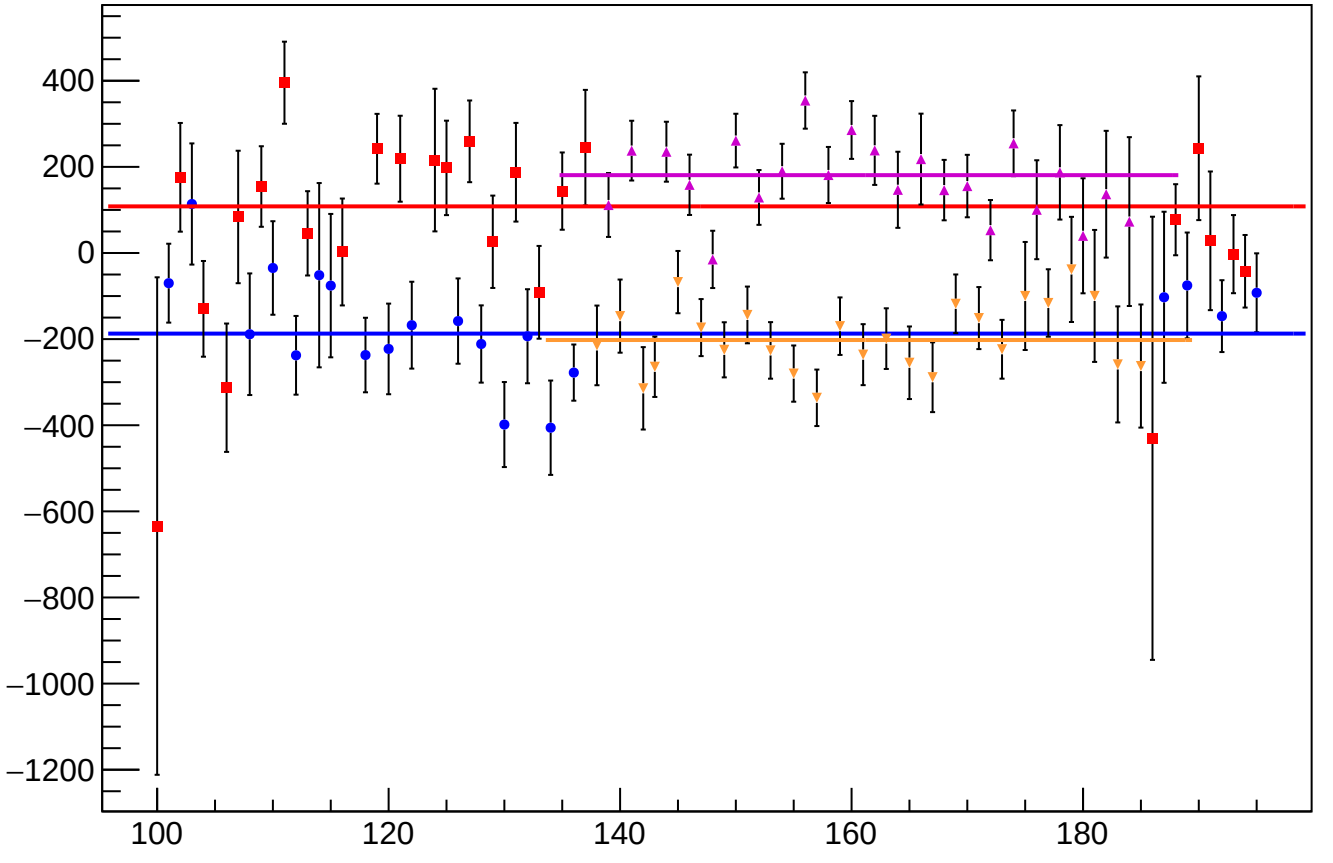
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 238.272+/-0.034 χ^2/NDF: 9167594.0/44

All: 227.265+/-0.023 χ^2/NDF: 22786107.5/92

- sign 217.343+/-0.032 χ^2/NDF: 13420523.6/47

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: 108.261+/-22.210 χ^2/NDF: 45.1/24

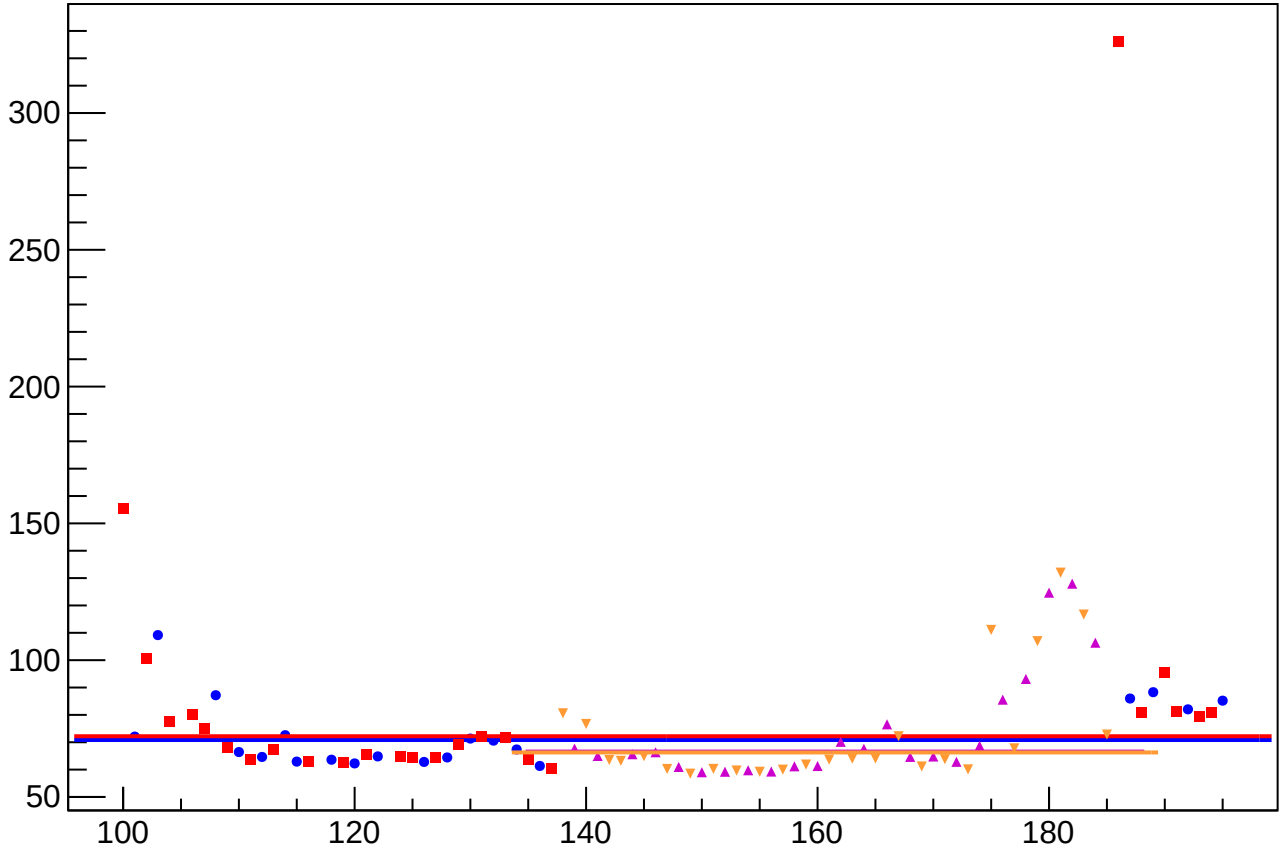
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -197.428+/-12.876 χ^2/NDF: 44.6/44

All: -22.313+/-9.146 χ^2/NDF: 500.1/92

- sign 155.967+/-12.992 χ^2/NDF: 82.2/47

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: 72.191+/-0.016 χ^2/NDF: 874561.4/24

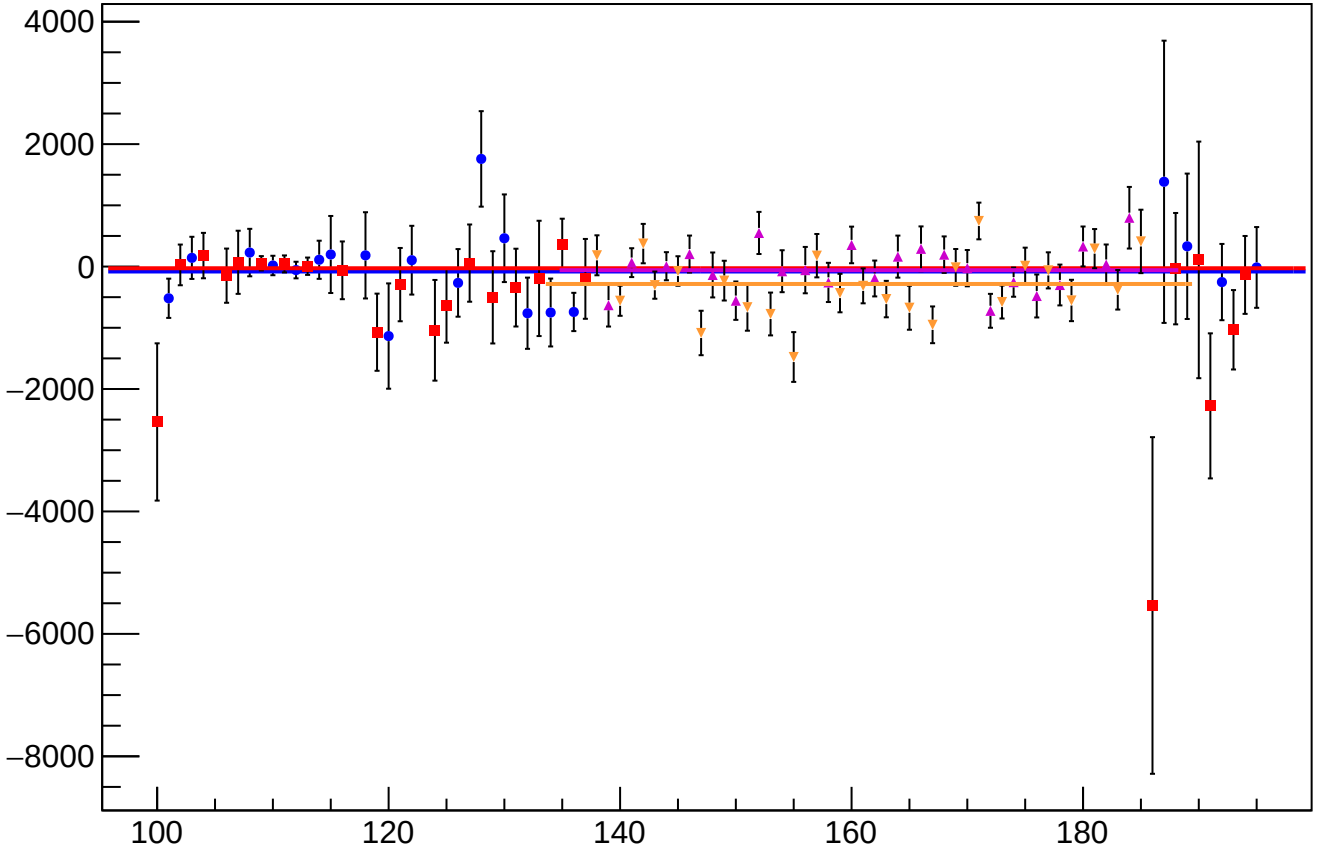
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 67.700+/-0.009 χ^2/NDF: 1879321.1/44

All: 68.098+/-0.006 χ^2/NDF: 3999792.0/92

- sign 68.504+/-0.009 χ^2/NDF: 2116613.1/47

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: -27.608+/-64.907 χ^2/NDF: 22.2/24

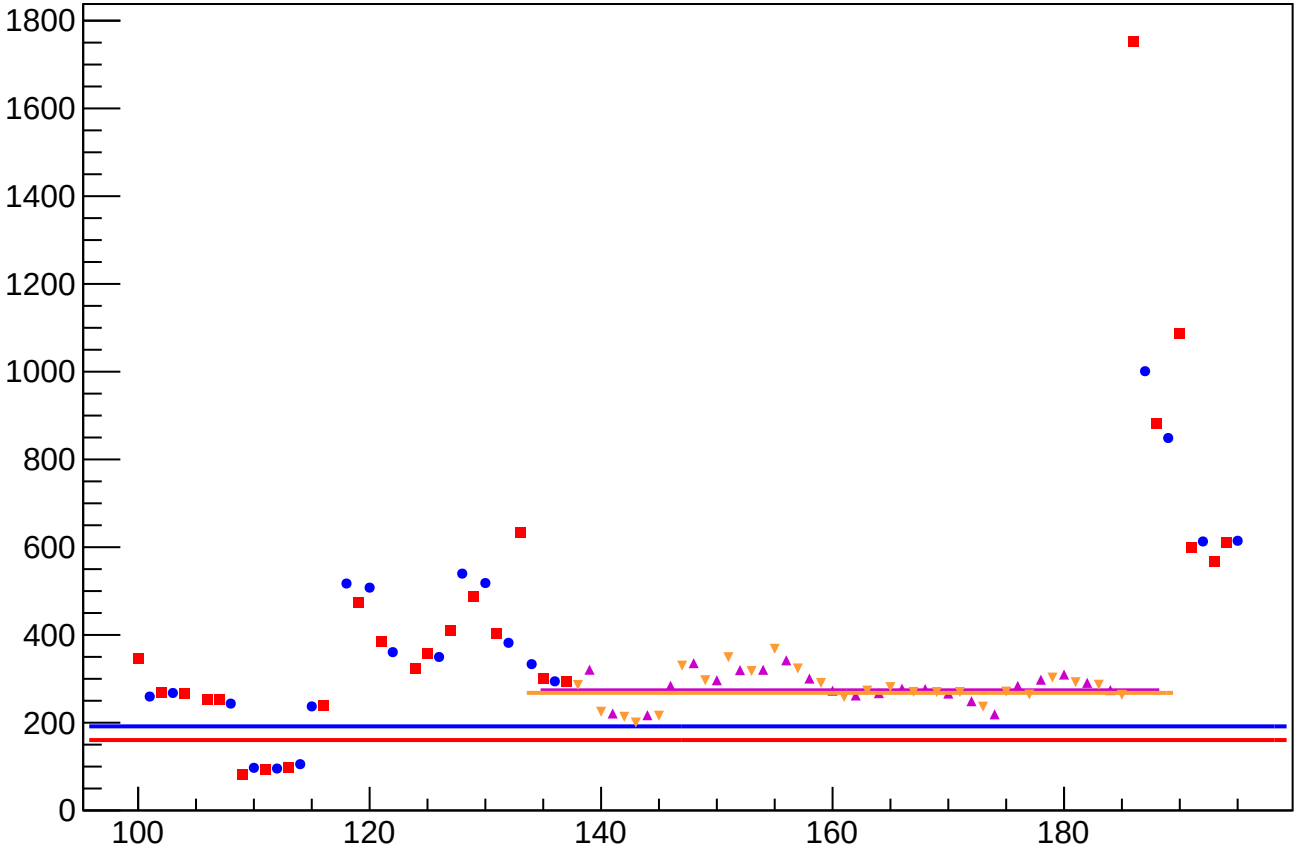
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.054+/-48.237 χ^2/NDF: 78.7/44

All: -120.068+/-33.214 χ^2/NDF: 133.8/92

- sign -43.450+/-45.800 χ^2/NDF: 49.2/47

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: 160.461+/-0.046 χ^2/NDF: 9711054.0/24

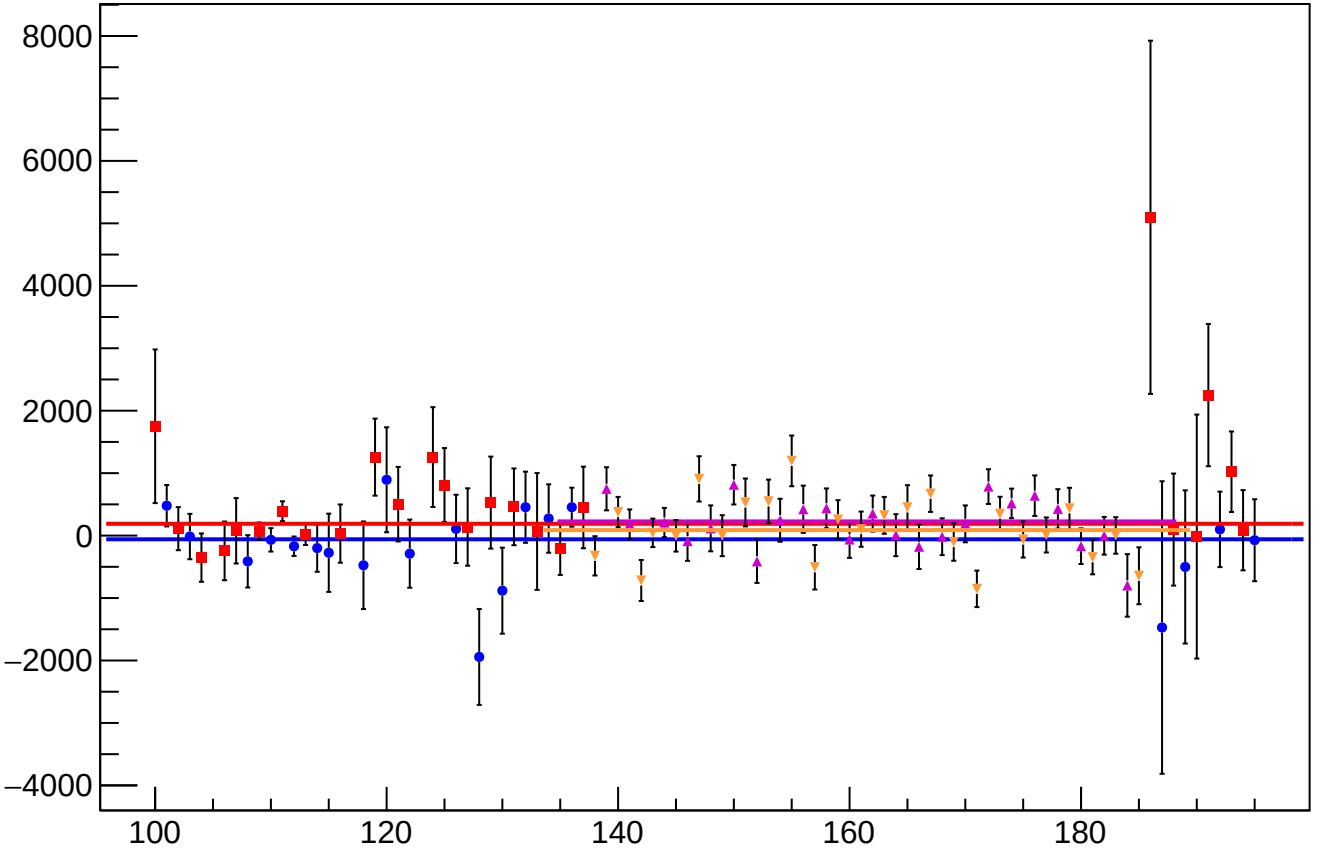
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 238.270+/-0.034 χ^2/NDF: 9167665.9/44

All: 227.265+/-0.023 χ^2/NDF: 22786138.9/92

- sign 217.343+/-0.032 χ^2/NDF: 13420494.1/47

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: 189.368+/-73.142 χ^2/NDF: 23.6/24

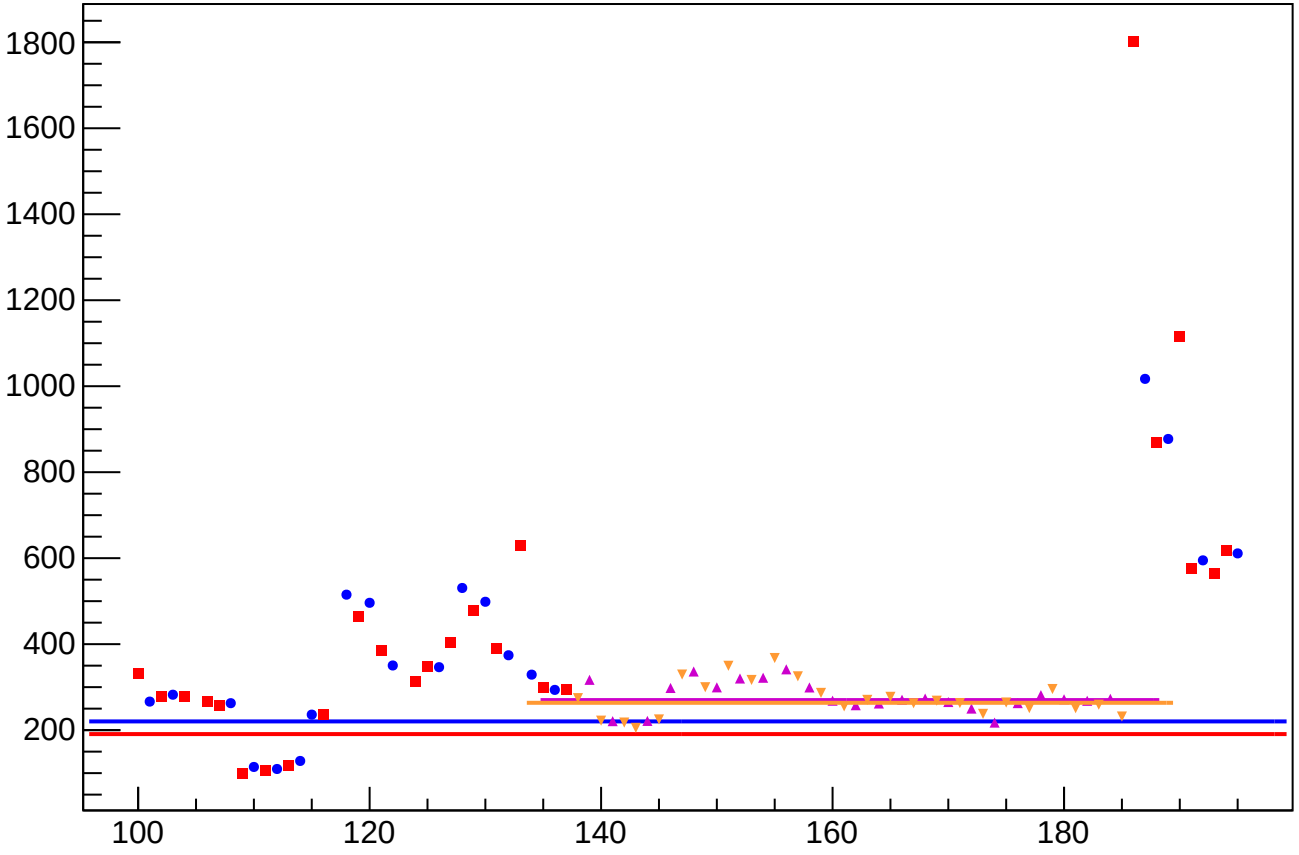
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 38.626+/-49.382 χ^2/NDF: 72.1/44

All: 127.057+/-34.429 χ^2/NDF: 130.9/92

- sign 210.699+/-48.026 χ^2/NDF: 52.6/47

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

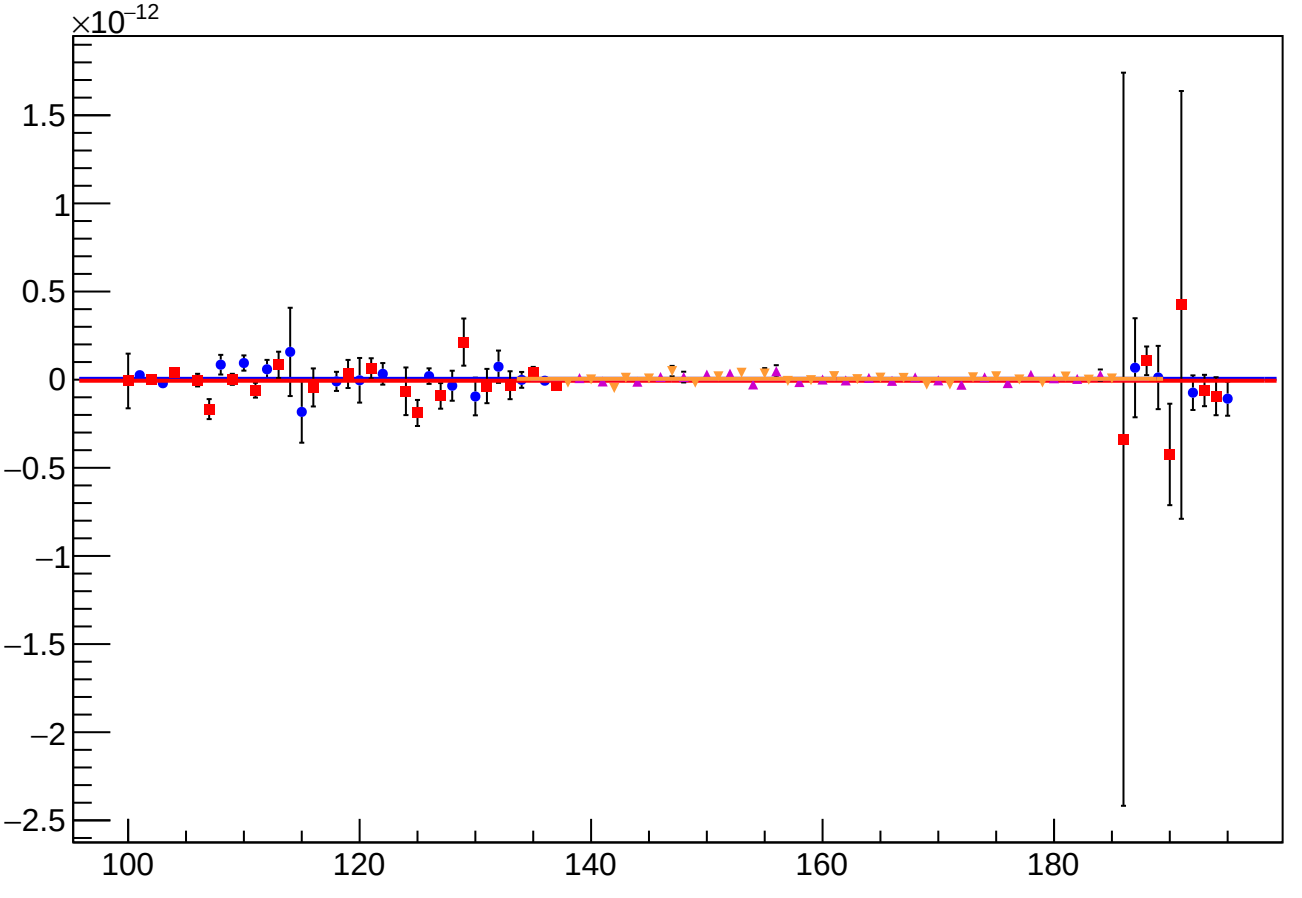
Right Out: 190.815+/-0.052 χ^2/NDF: 8354139.6/24

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 248.984+/-0.035 χ^2/NDF: 7074950.8/44

All: 242.209+/-0.024 χ^2/NDF: 17434603.6/92

- sign 235.801+/-0.034 χ^2/NDF: 10286402.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

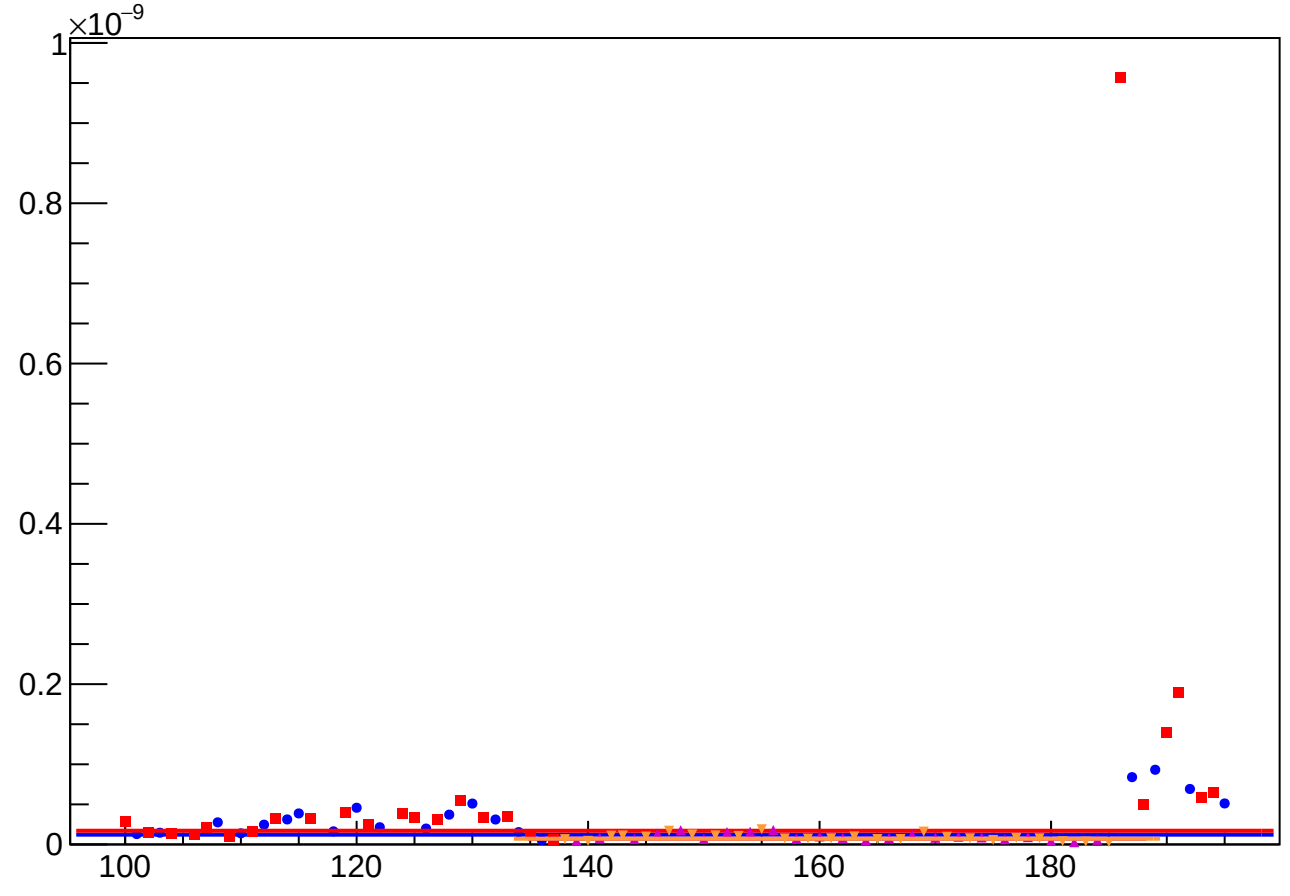
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/24

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: 102.2/92

- sign 0.000+/-0.000 χ^2/NDF: 58.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3350372.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

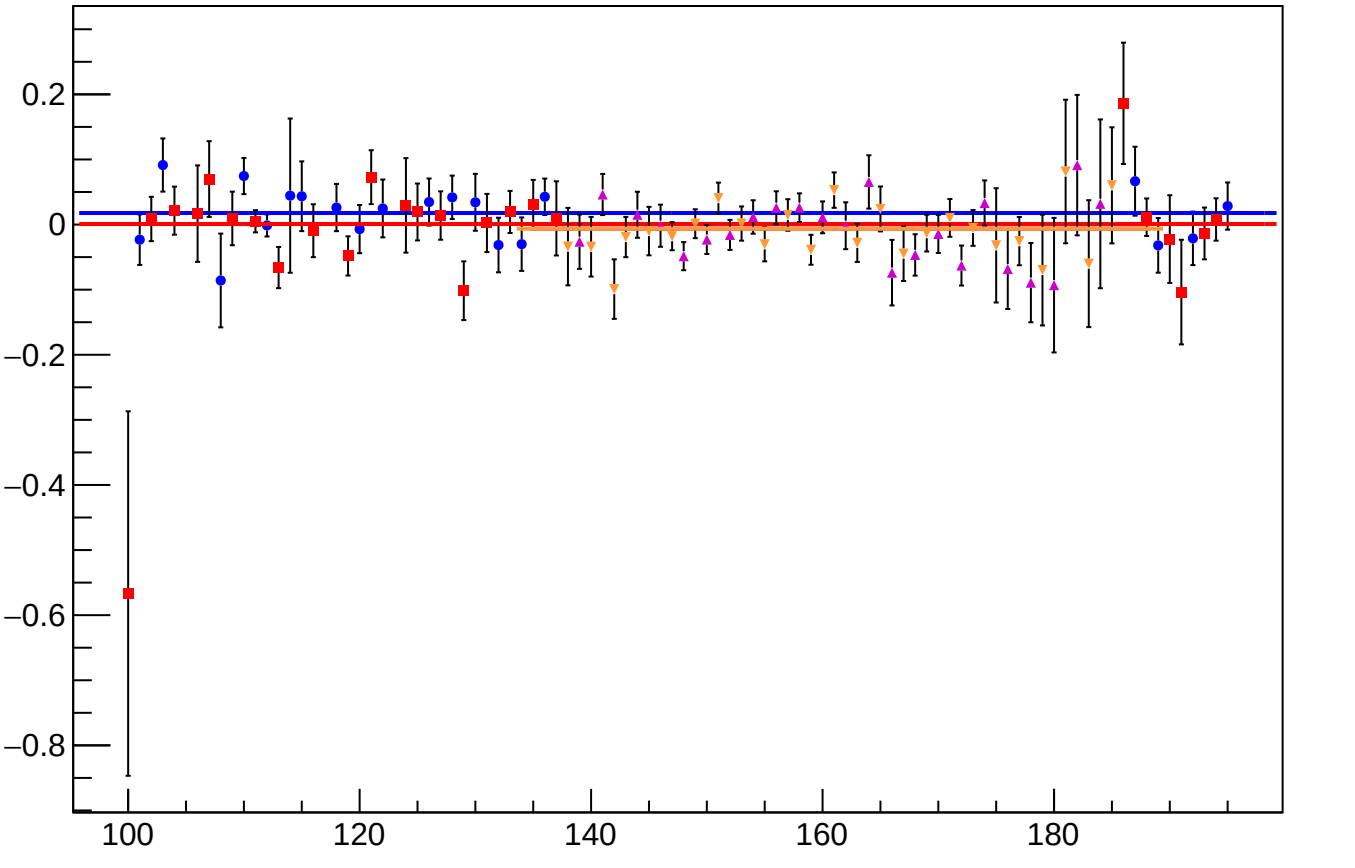
Right Out: 0.000+/-0.000 χ^2/NDF: 3445831.7/24

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: 13324719.9/92

- sign 0.000+/-0.000 χ^2/NDF: 7337007.0/47



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: 0.001+/-0.008 χ^2/NDF: 28.9/24

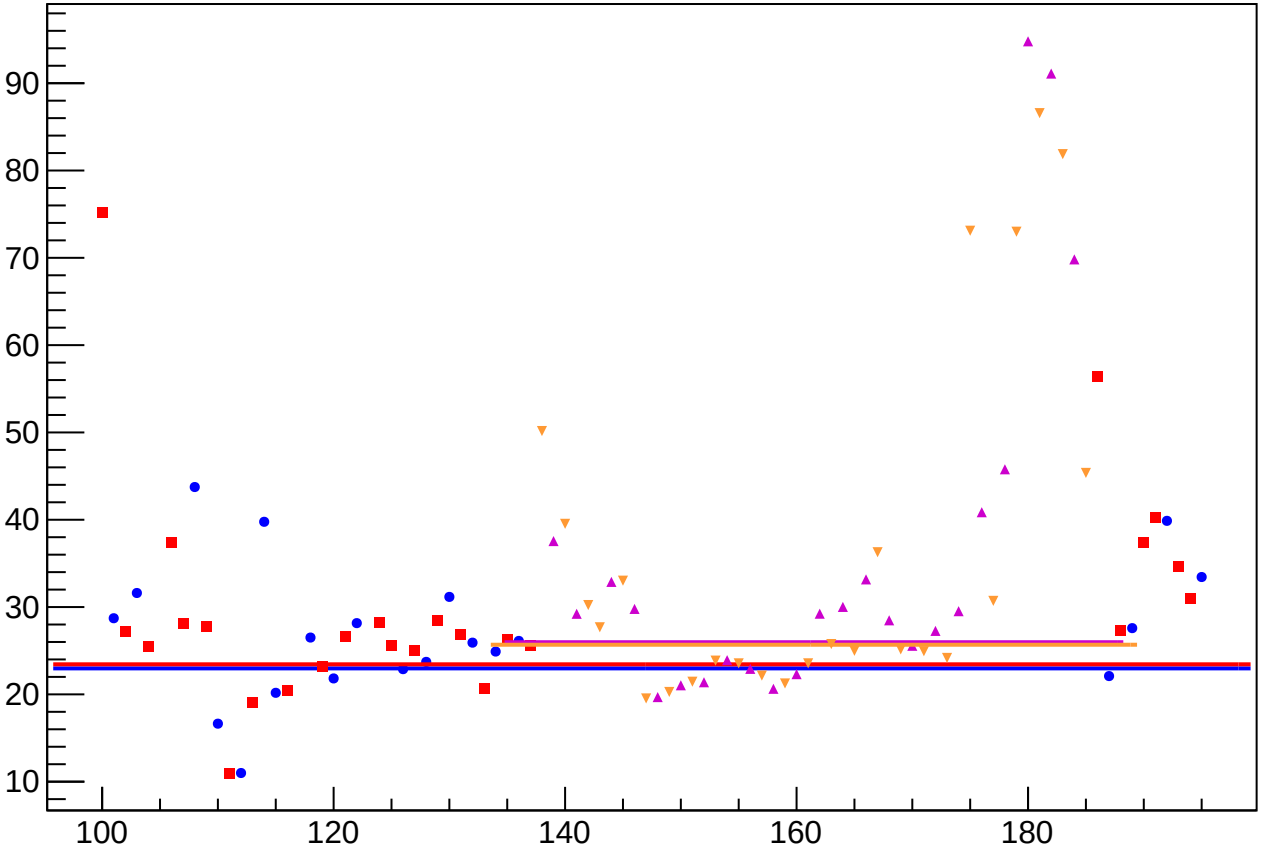
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: -0.000+/-0.004 χ^2/NDF: 107.0/92

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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

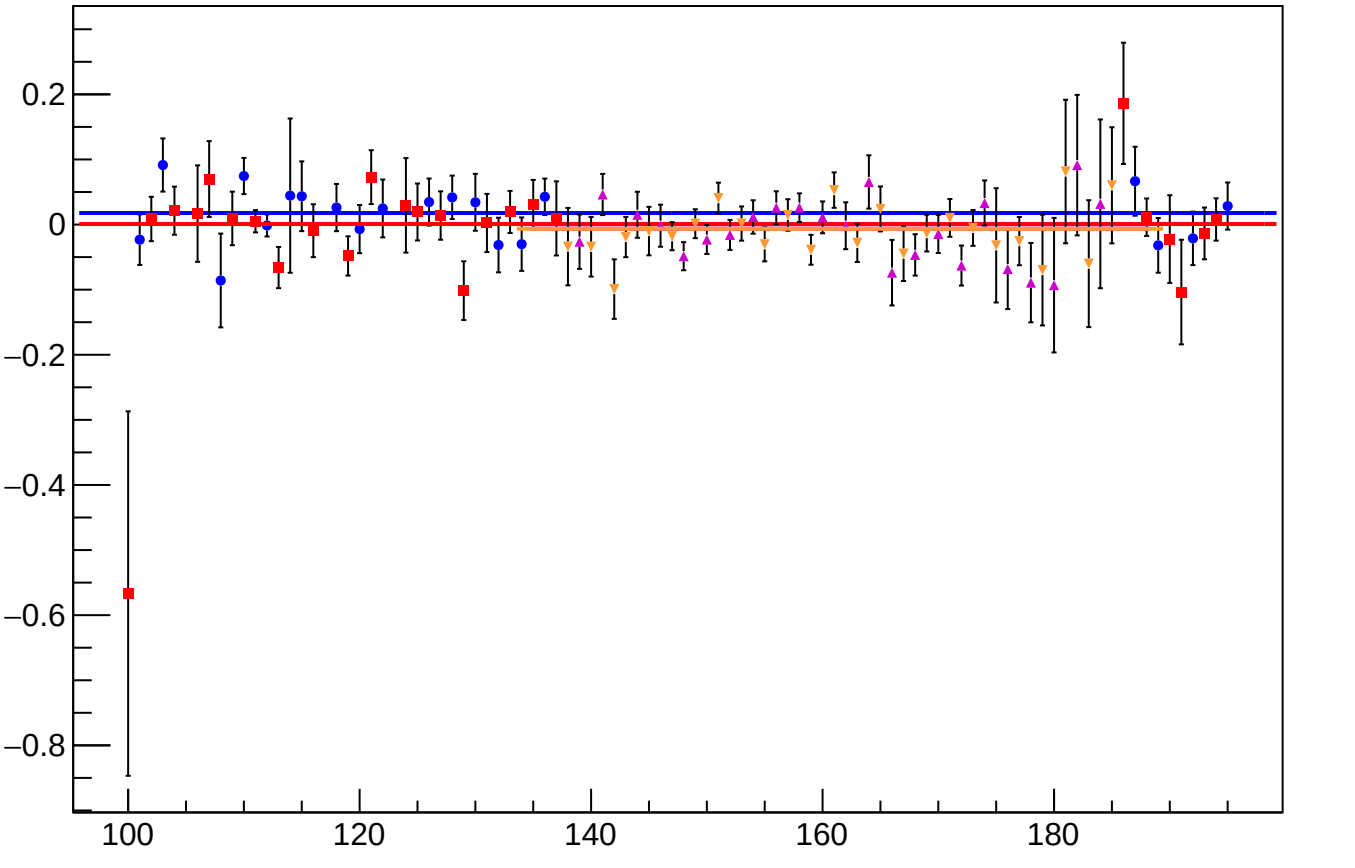
Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144225.7/44

All: 24.760+/-0.003 χ^2/NDF: 11545192.2/92

- sign 24.887+/-0.004 χ^2/NDF: 5398365.2/47



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: 0.001+/-0.008 χ^2/NDF: 28.9/24

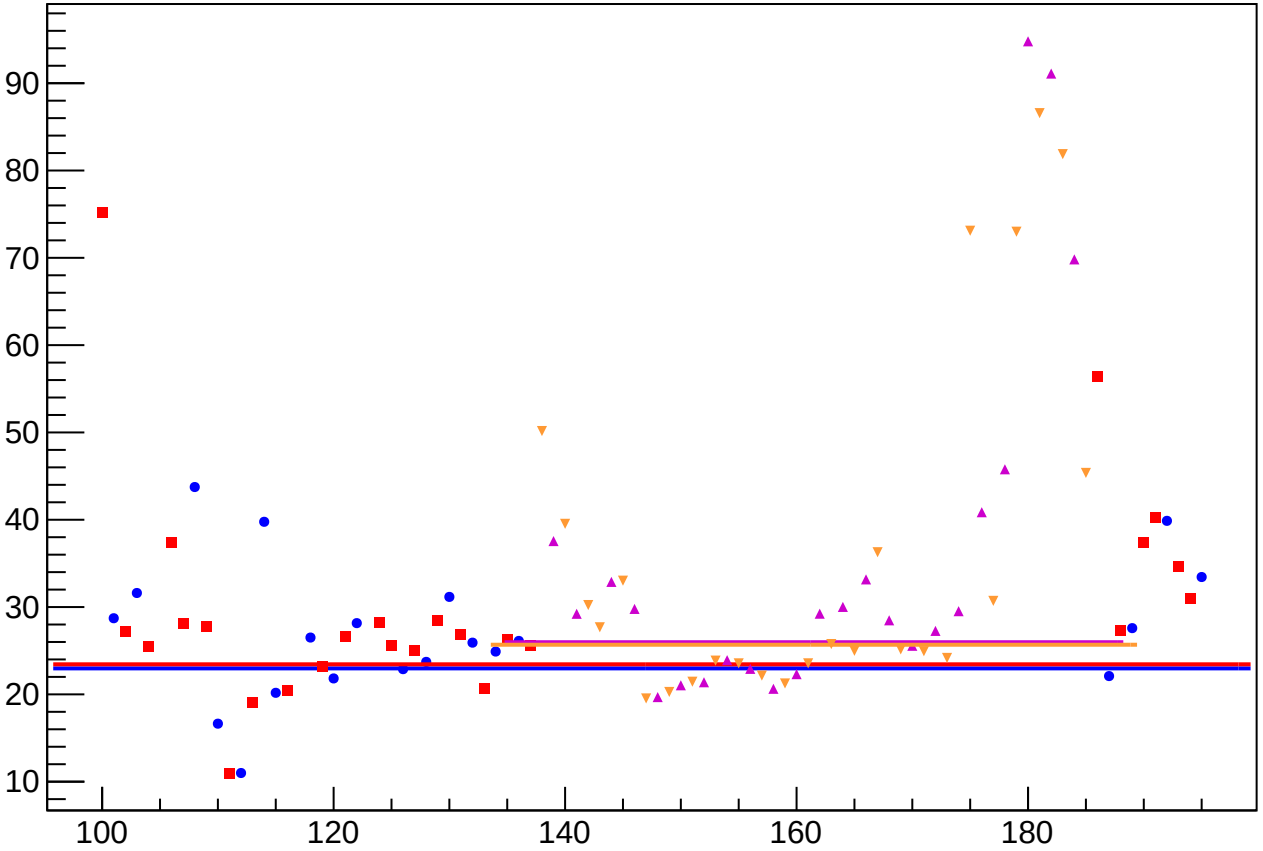
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: -0.000+/-0.004 χ^2/NDF: 107.0/92

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

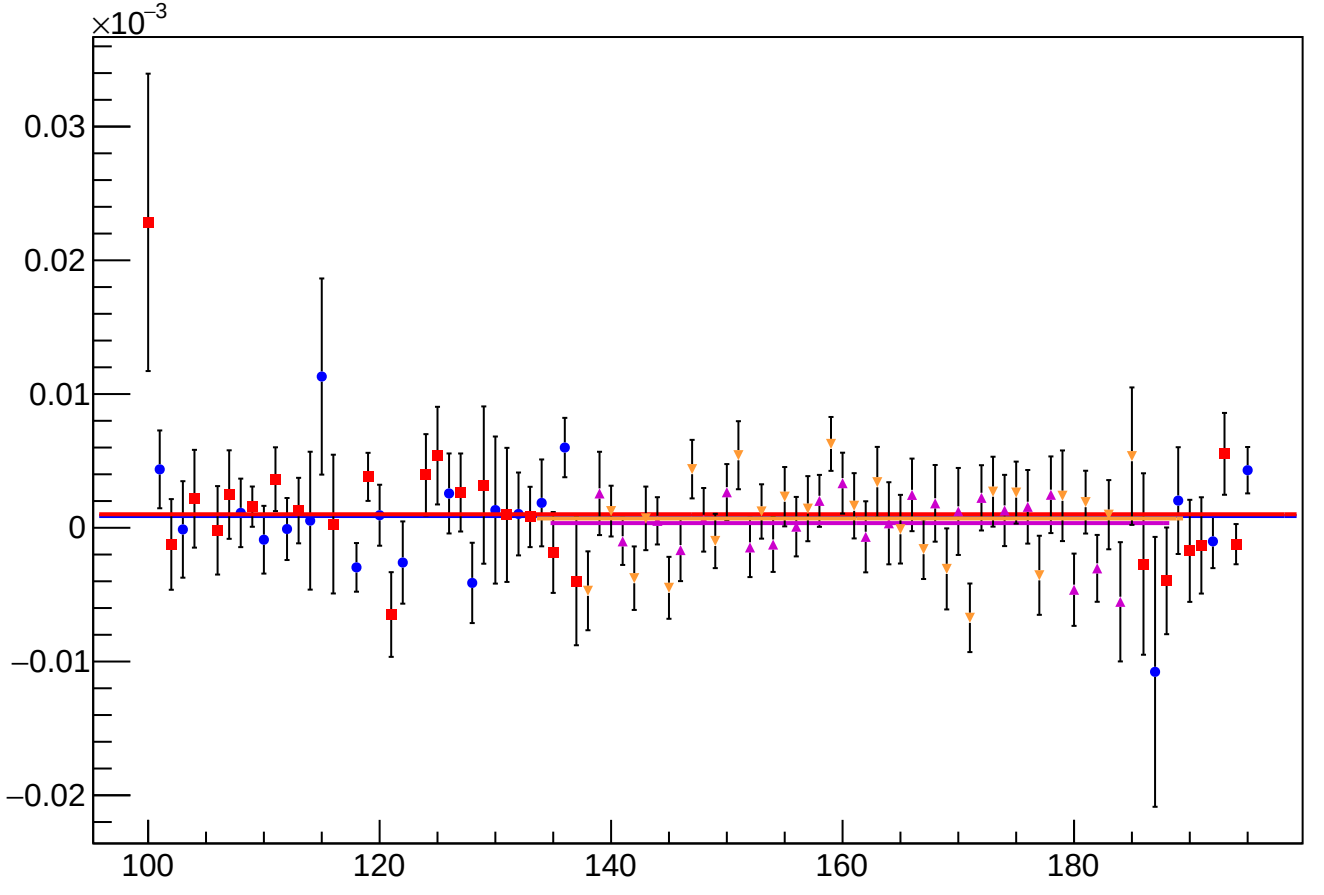
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144225.7/44

All: 24.760+/-0.003 χ^2/NDF: 11545192.2/92

- sign 24.887+/-0.004 χ^2/NDF: 5398365.2/47

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: 26.2/24

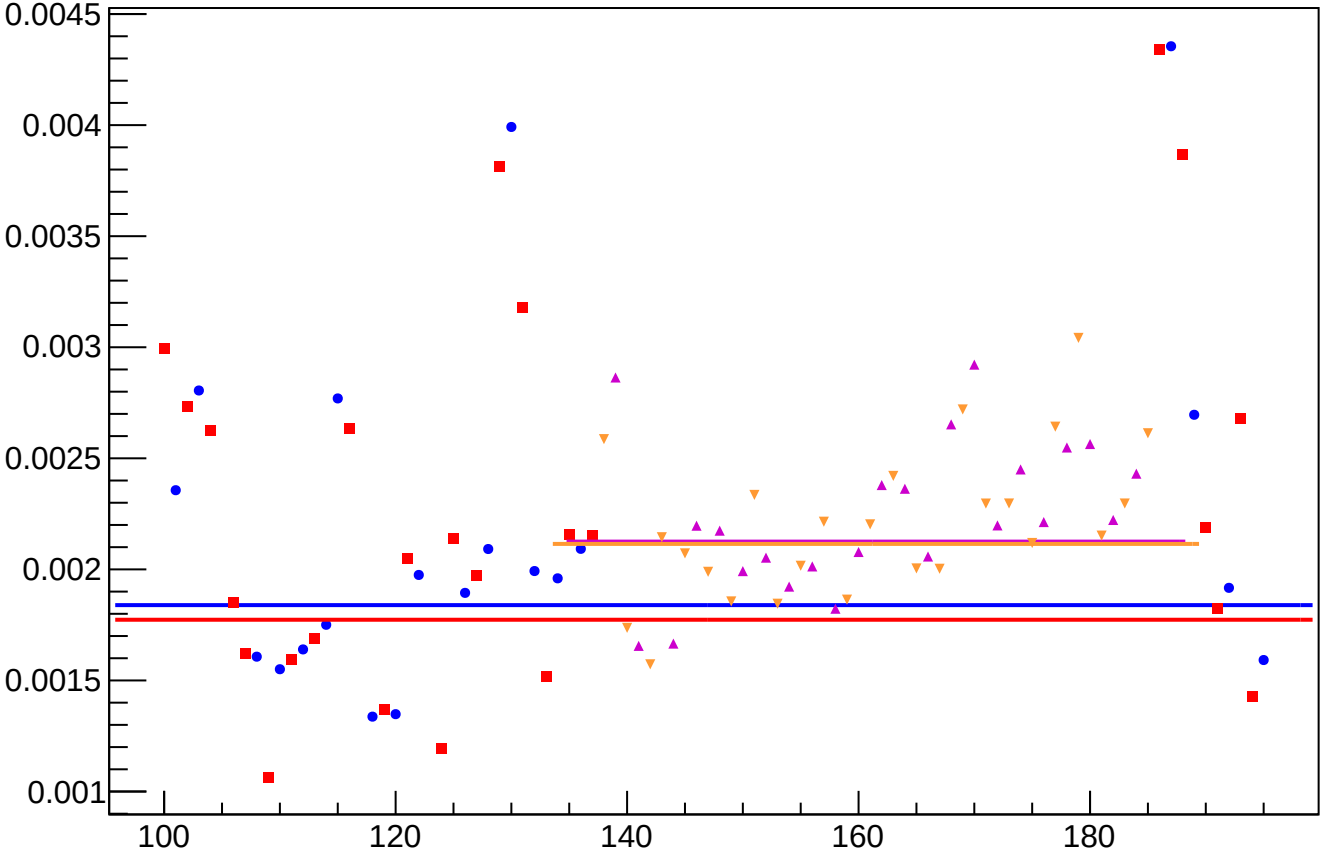
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/44

All: 0.000+/-0.000 χ^2/NDF: 112.4/92

- sign 0.000+/-0.000 χ^2/NDF: 43.3/47

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

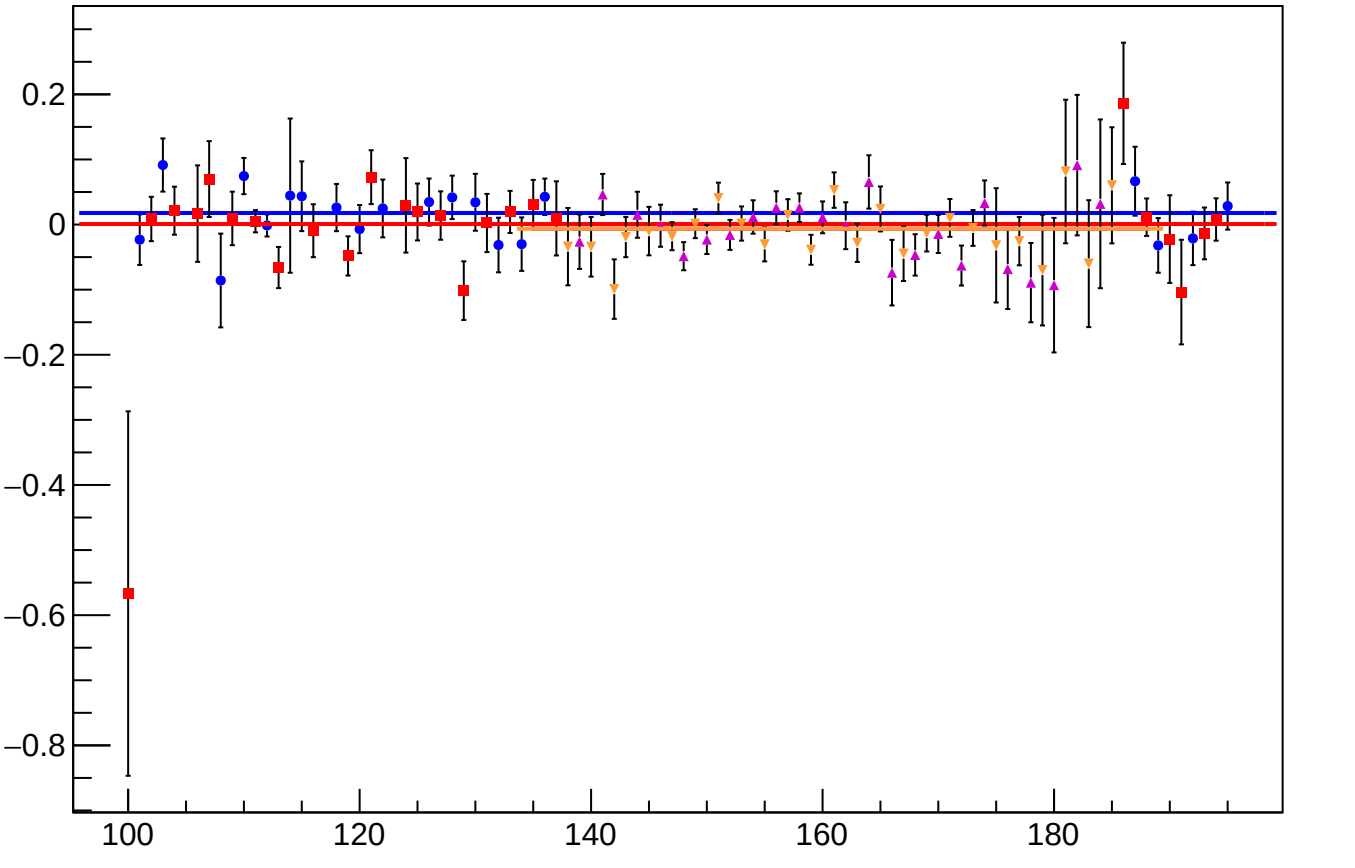
Right Out: 0.002+/-0.000 χ^2/NDF: 2642321.3/24

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: 6070283.0/92

- sign 0.002+/-0.000 χ^2/NDF: 3908171.1/47



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: 0.001+/-0.008 χ^2/NDF: 28.9/24

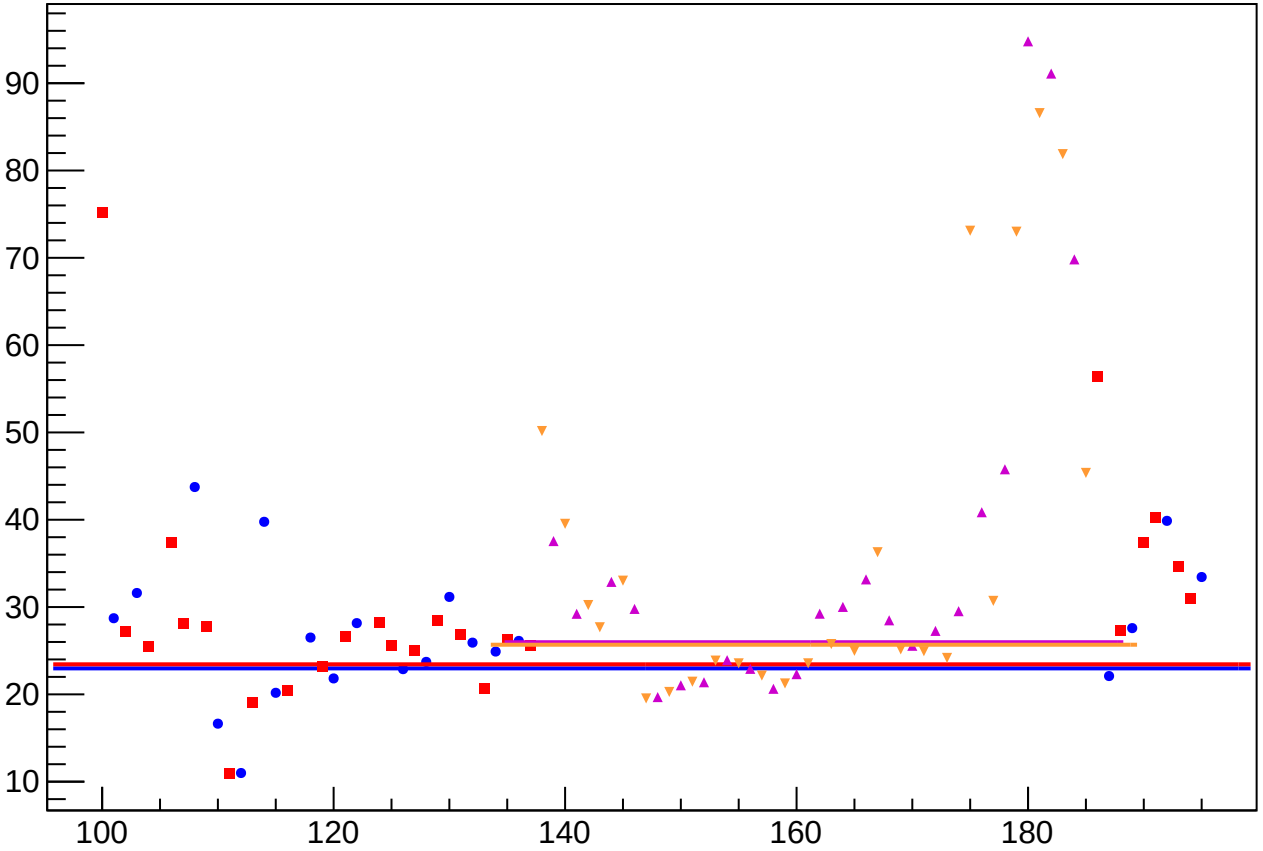
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: -0.000+/-0.004 χ^2/NDF: 107.0/92

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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

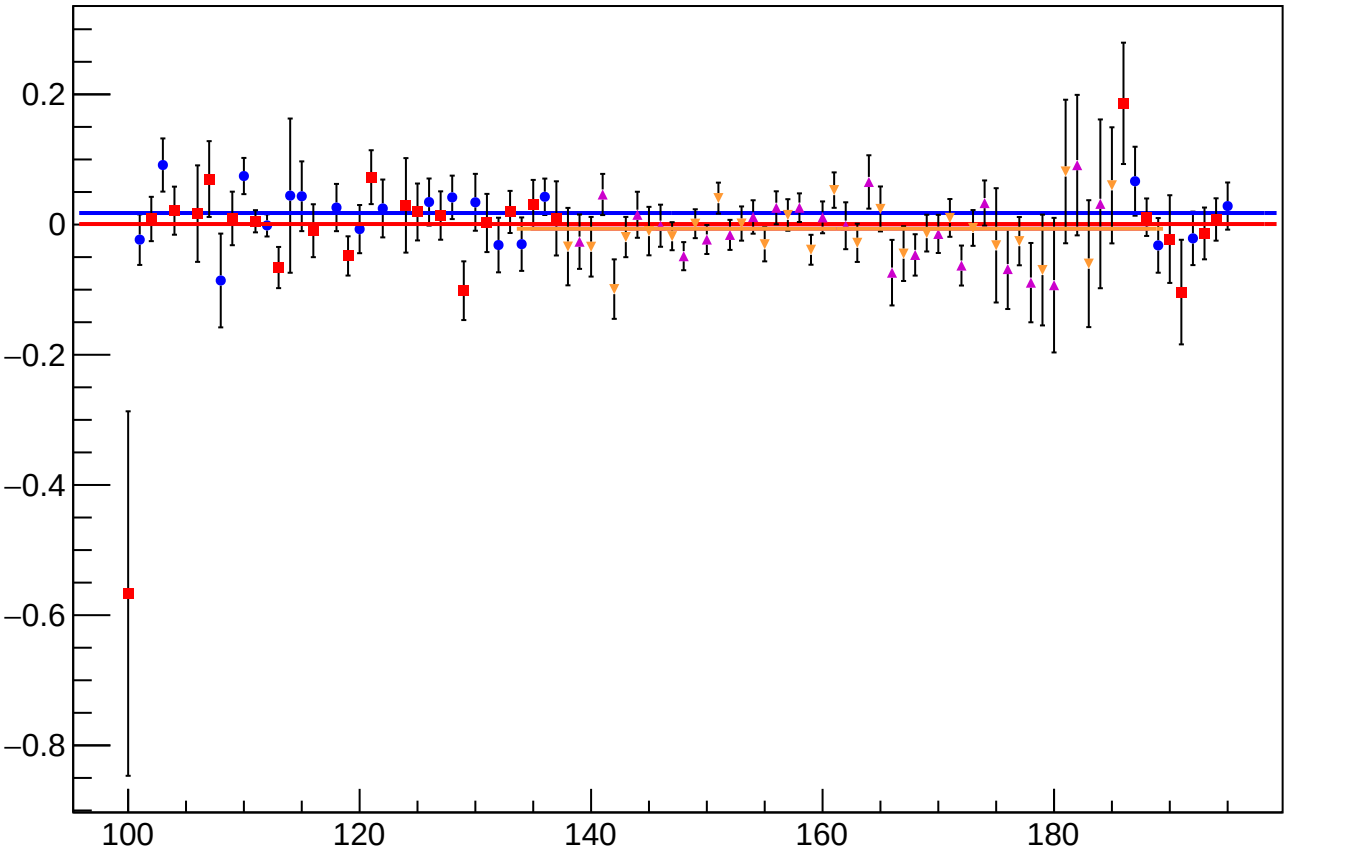
Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144491.5/44

All: 24.759+/-0.003 χ^2/NDF: 11545694.5/92

- sign 24.887+/-0.004 χ^2/NDF: 5398602.6/47



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

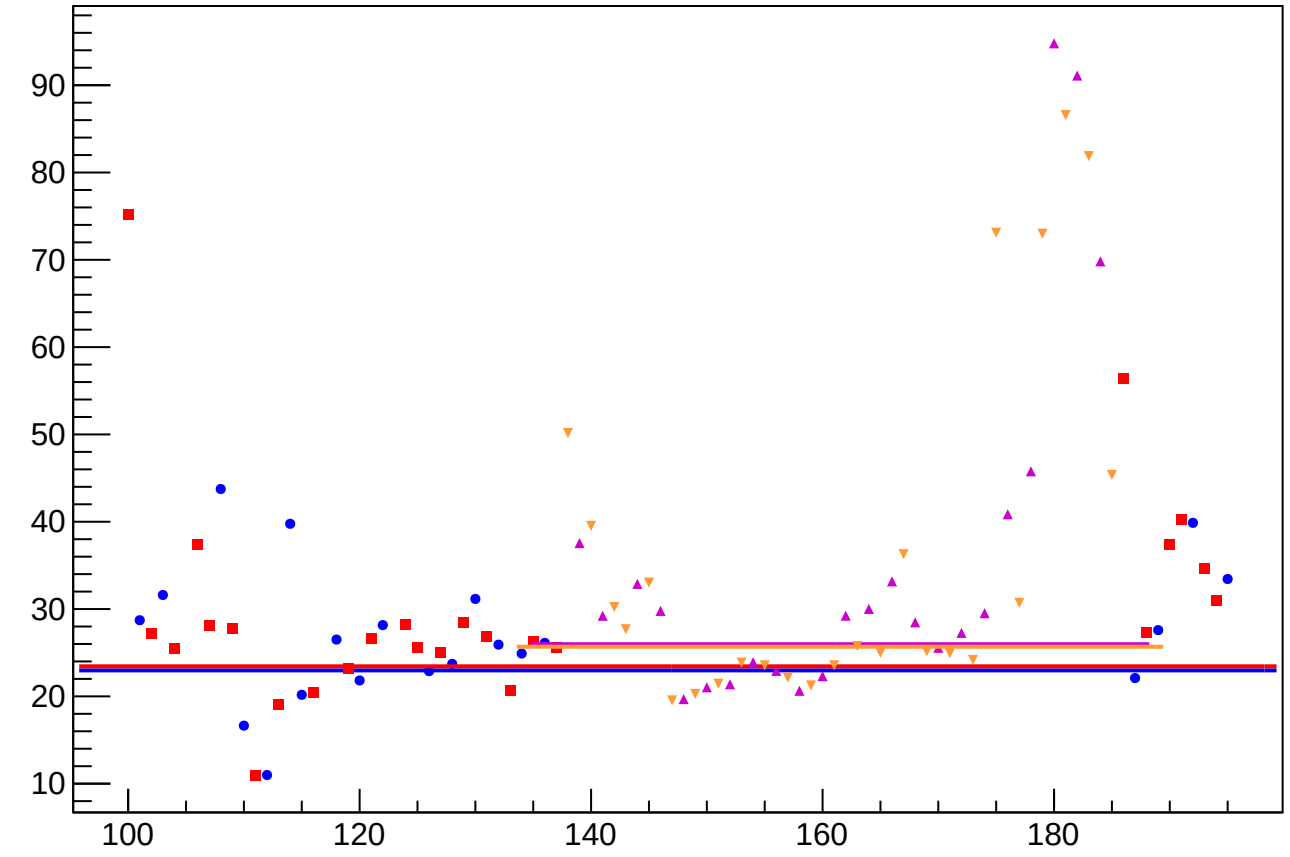
Right Out: 0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 48.4/44

All: -0.000+/-0.004 χ^2/NDF: 107.0/92

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47



Right In: 22.974+/-0.006 χ^2/NDF: 2133334.1/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

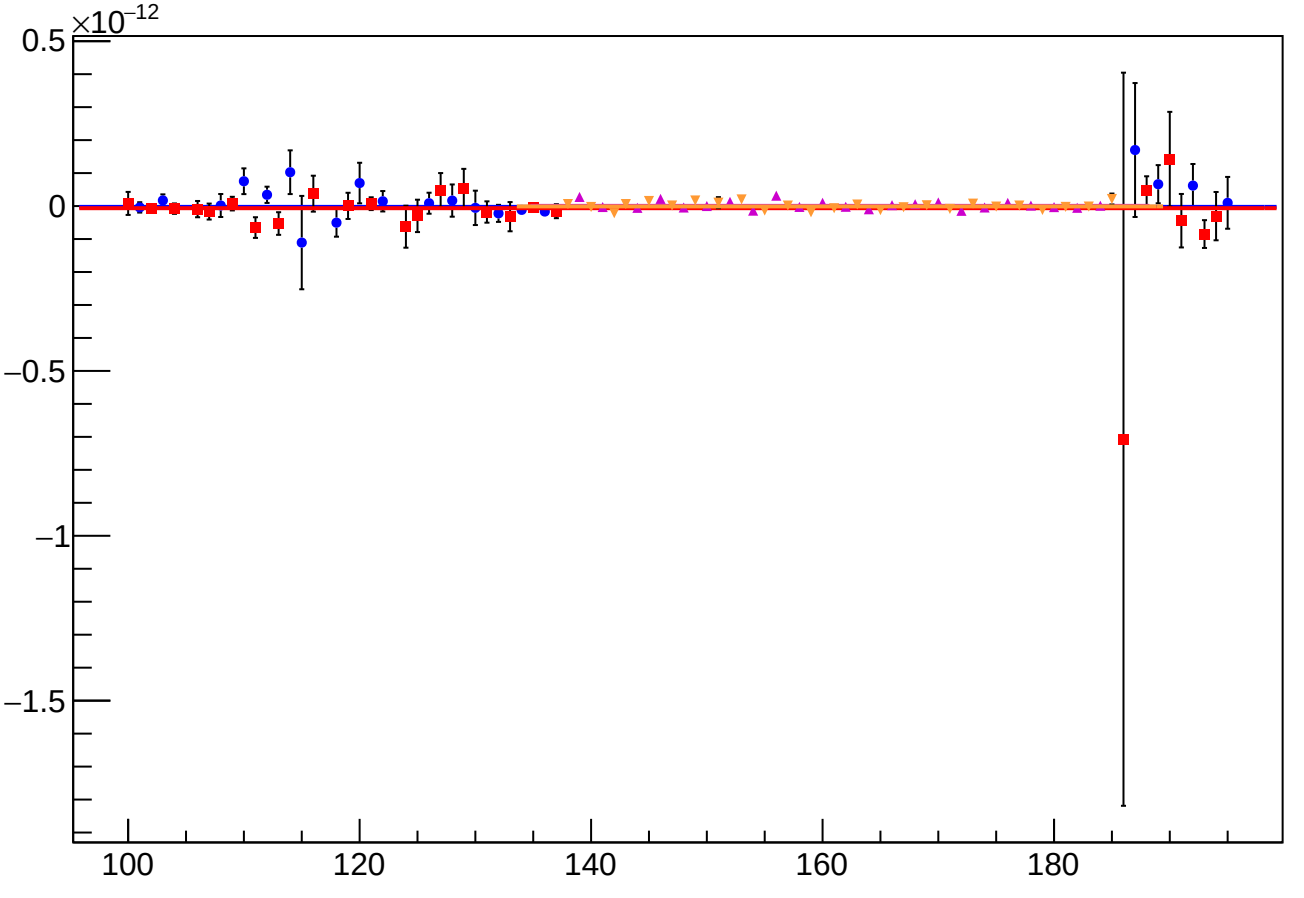
Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.632+/-0.004 χ^2/NDF: 6144491.5/44

All: 24.759+/-0.003 χ^2/NDF: 11545694.5/92

- sign 24.887+/-0.004 χ^2/NDF: 5398602.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

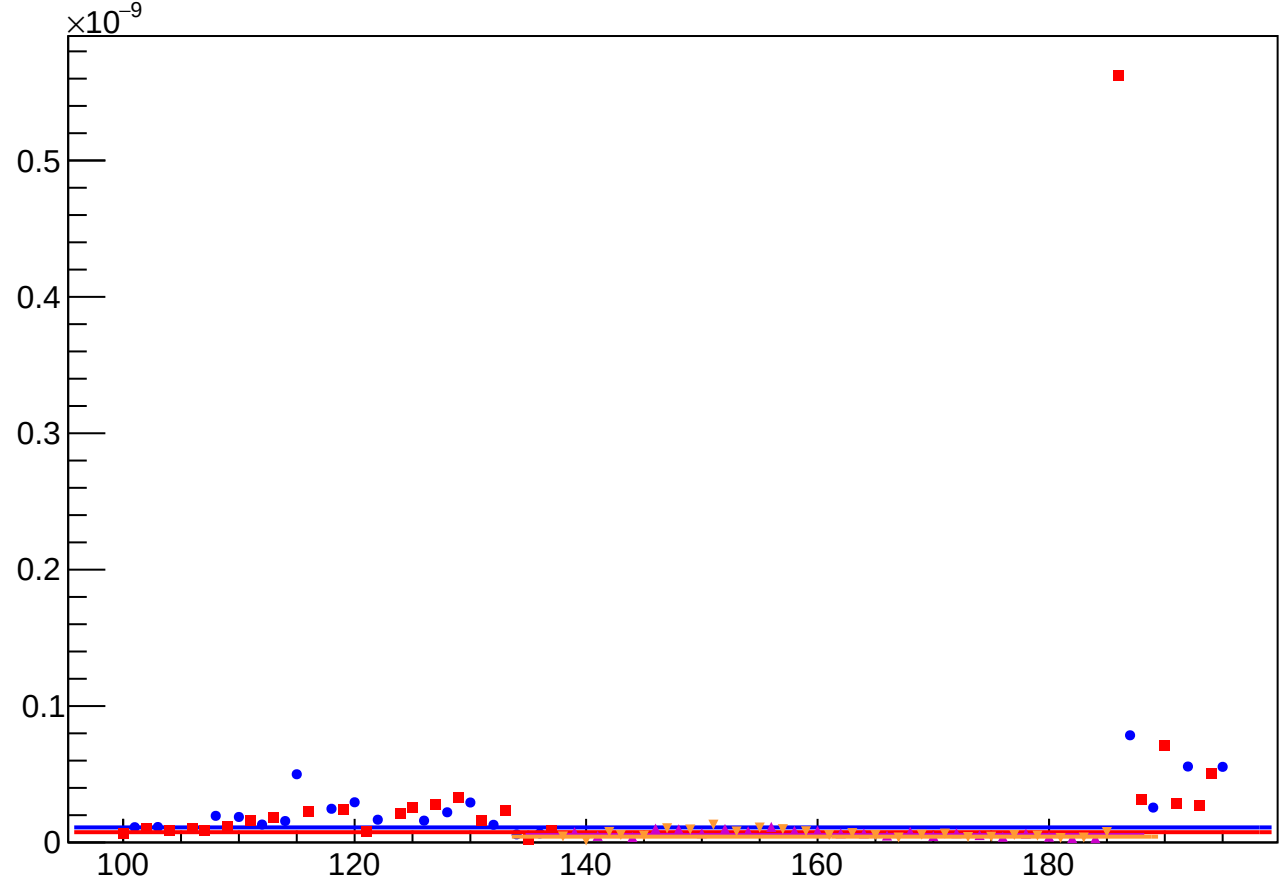
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/24

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: 99.2/92

- sign -0.000+/-0.000 χ^2/NDF: 49.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 3897827.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6796541.6/24

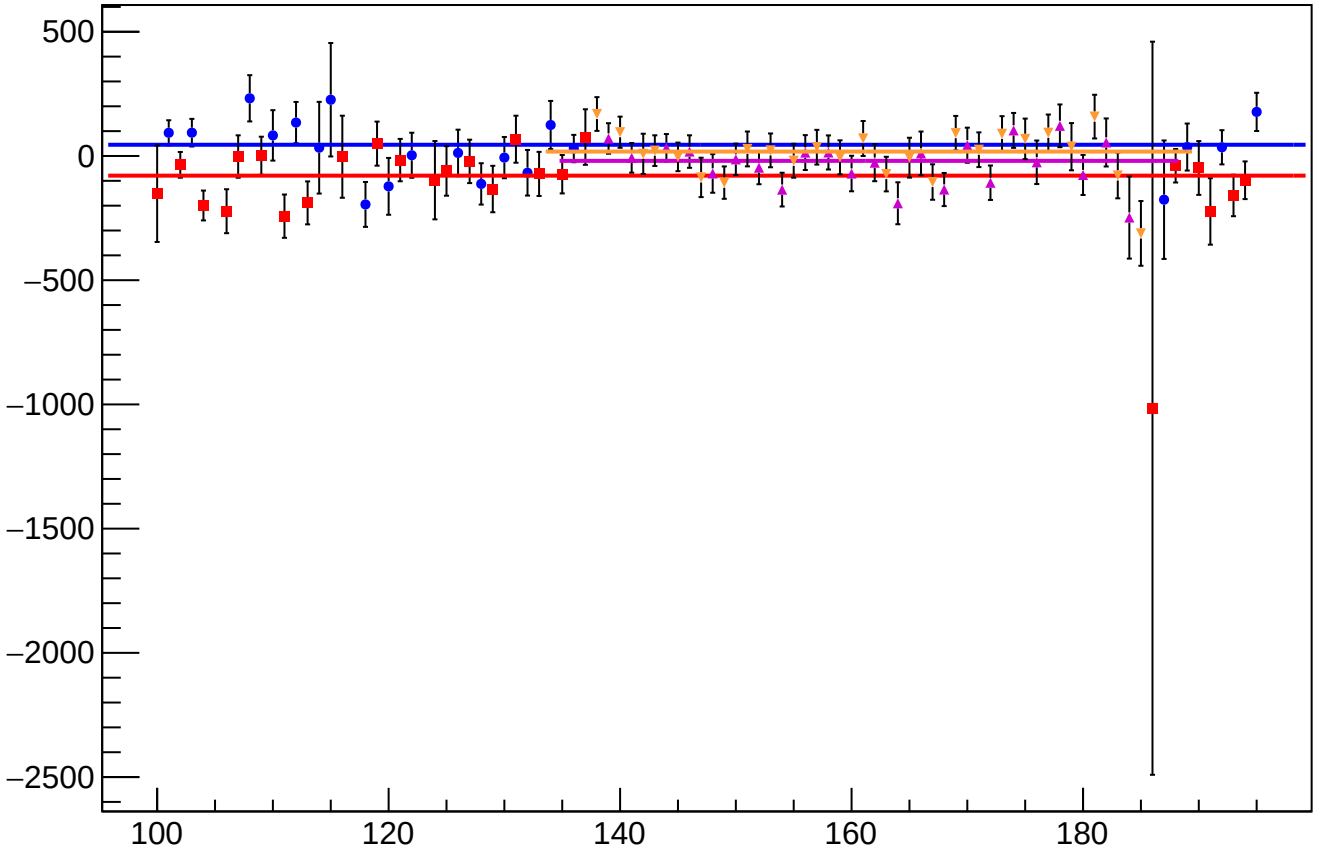
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12209993.8/44

All: 0.000+/-0.000 χ^2/NDF: 22749002.8/92

- sign 0.000+/-0.000 χ^2/NDF: 10015193.3/47

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: -79.171+/-17.596 χ^2/NDF: 25.5/24

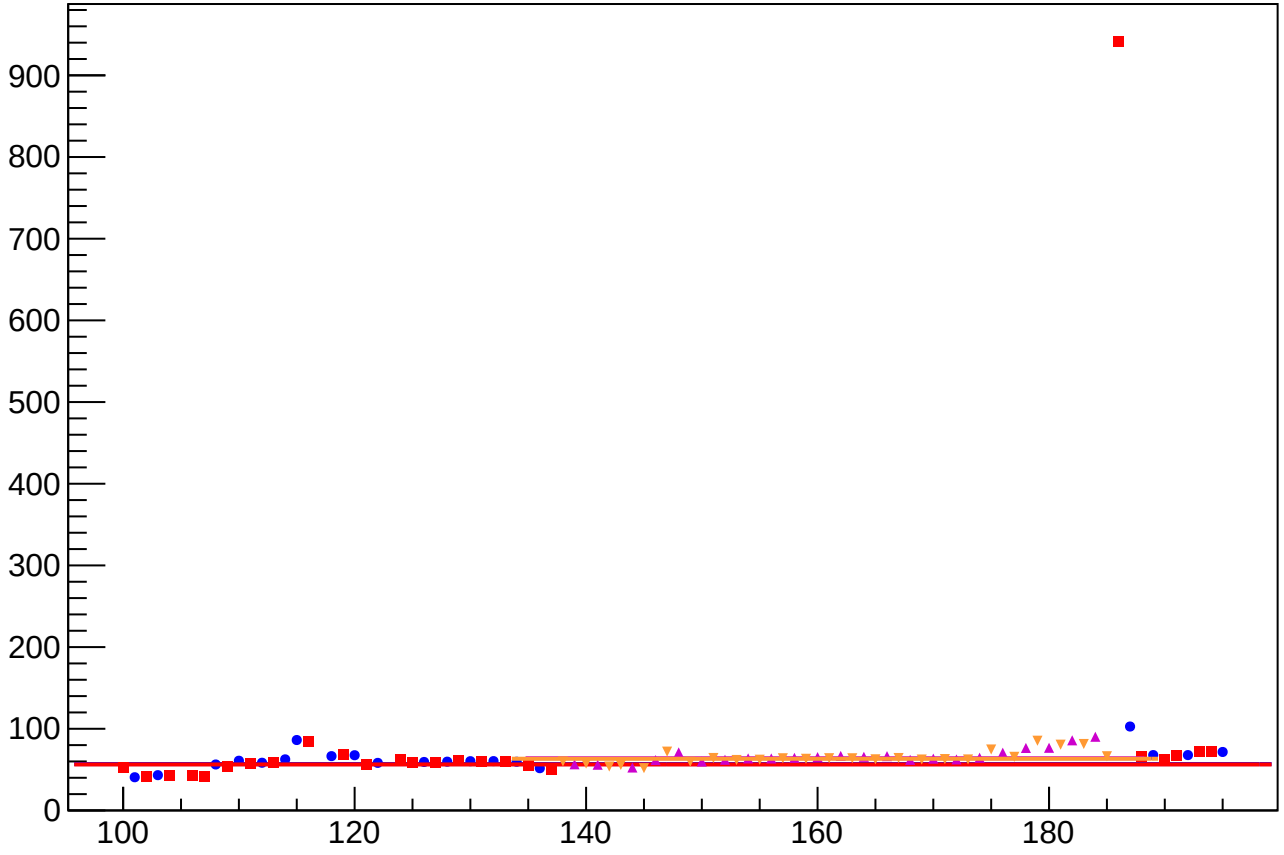
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.180+/-11.419 χ^2/NDF: 60.2/44

All: -8.253+/-8.079 χ^2/NDF: 138.9/92

- sign -44.773+/-11.433 χ^2/NDF: 58.3/47

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: 56.326+/-0.012 χ^2/NDF: 1432409.9/24

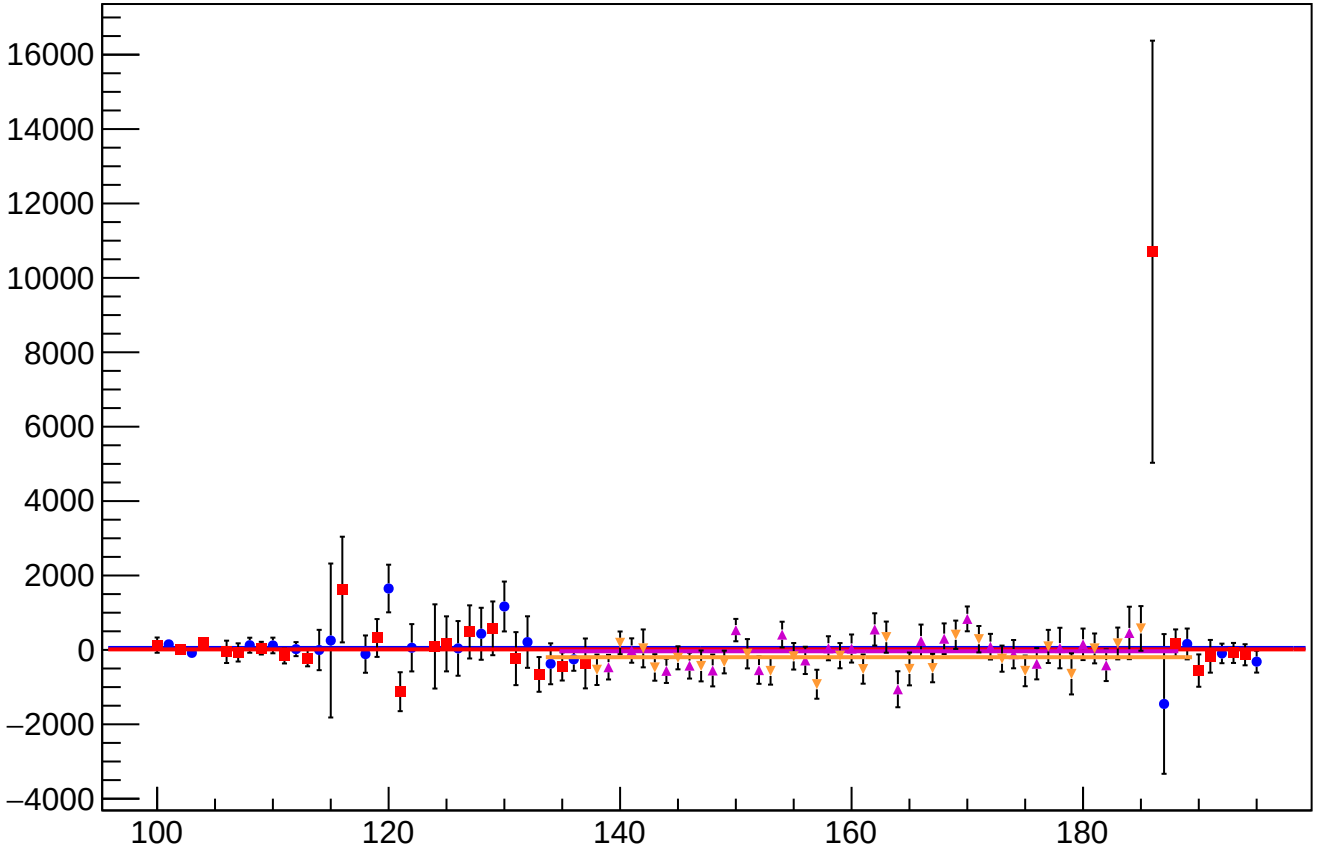
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 60.833+/-0.008 χ^2/NDF: 1311488.8/44

All: 60.773+/-0.006 χ^2/NDF: 3404473.9/92

\- sign 60.713+/-0.008 χ^2/NDF: 2092875.2/47

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: 13.879+/-47.701 χ^2/NDF: 24.1/24

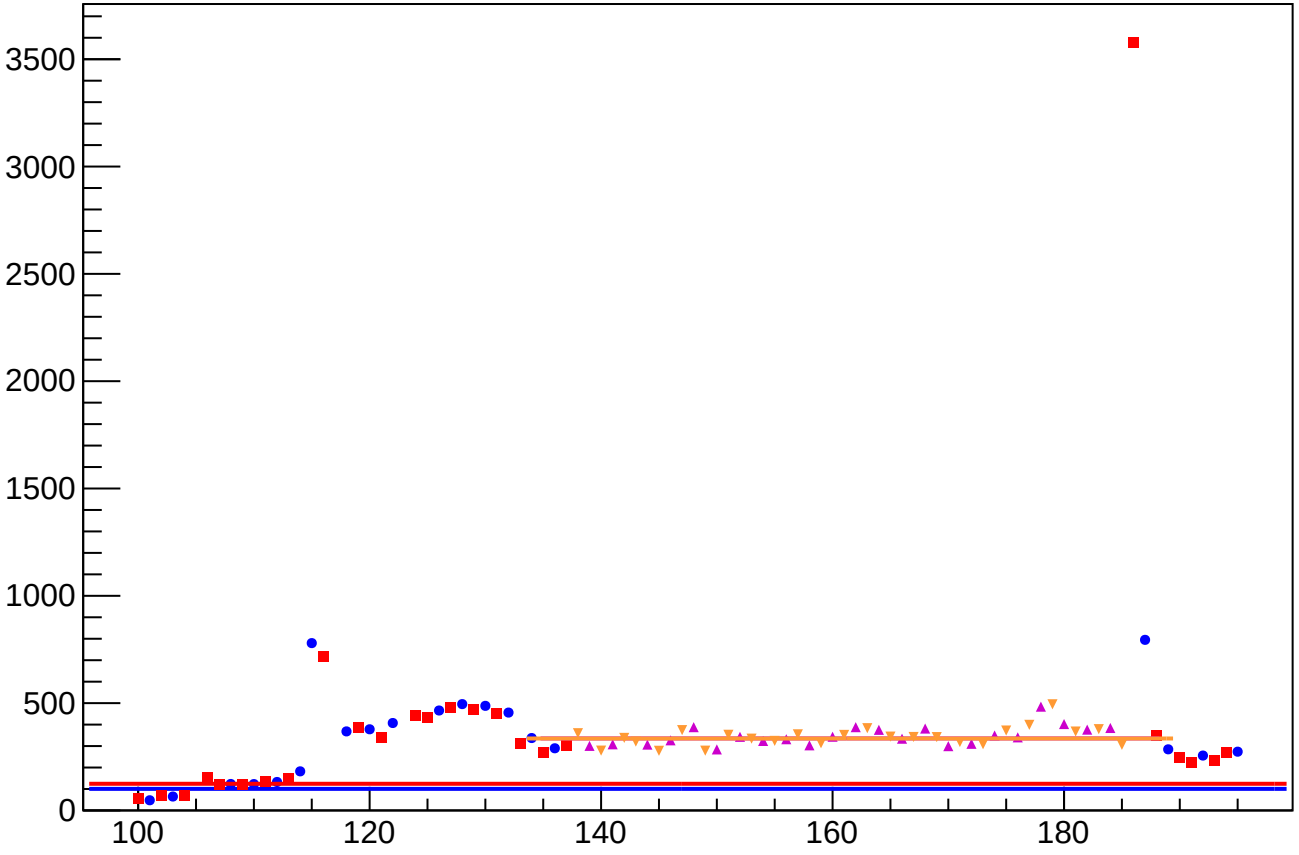
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -10.566+/-38.825 χ^2/NDF: 46.7/44

All: -5.319+/-28.147 χ^2/NDF: 102.3/92

- sign 0.494+/-40.863 χ^2/NDF: 55.5/47

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: 124.278+/-0.034 χ^2/NDF: 8182253.1/24

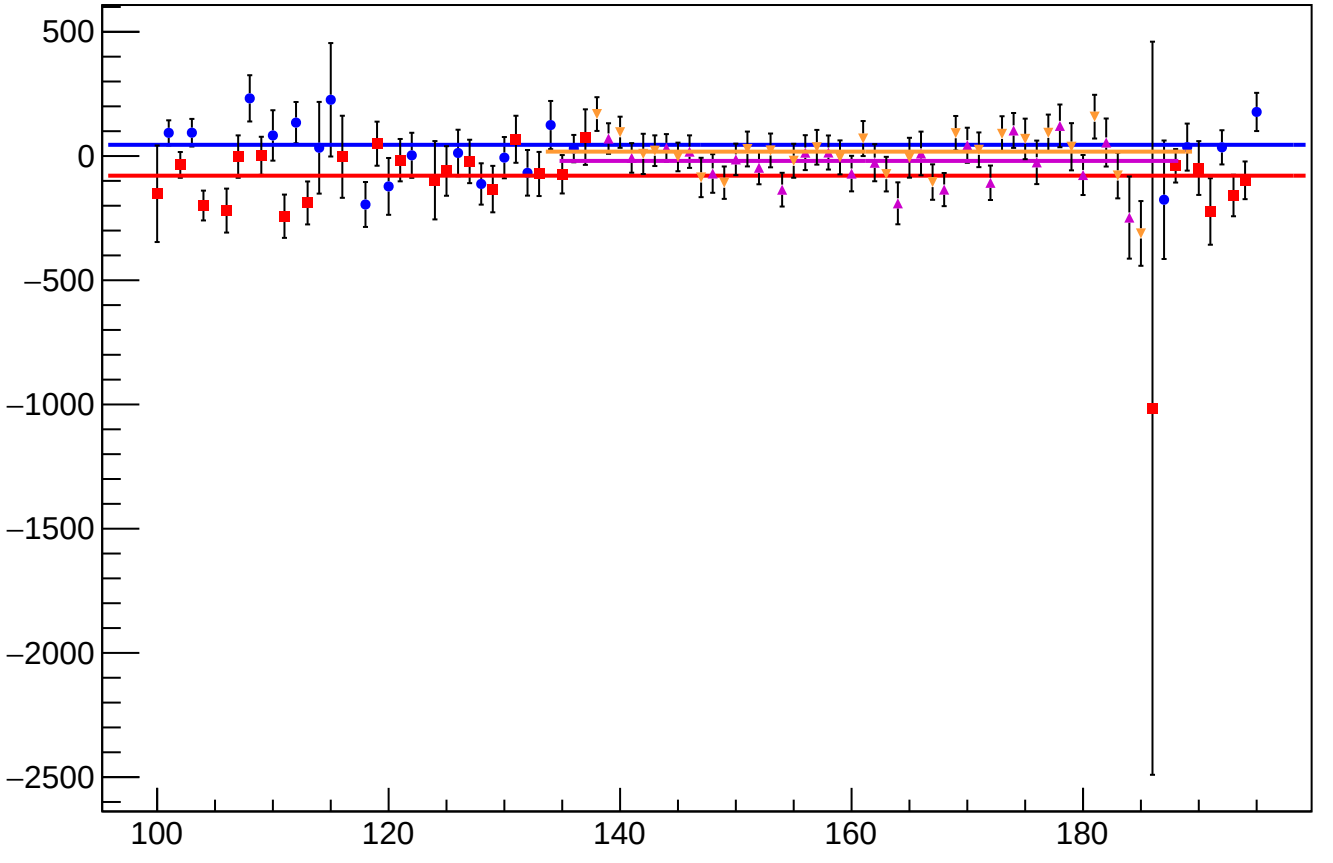
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 160.126+/-0.027 χ^2/NDF: 23239161.2/44

All: 169.792+/-0.020 χ^2/NDF: 42617144.0/92

- sign 180.499+/-0.029 χ^2/NDF: 19116715.8/47

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: -79.064+/-17.597 χ^2/NDF: 25.4/24

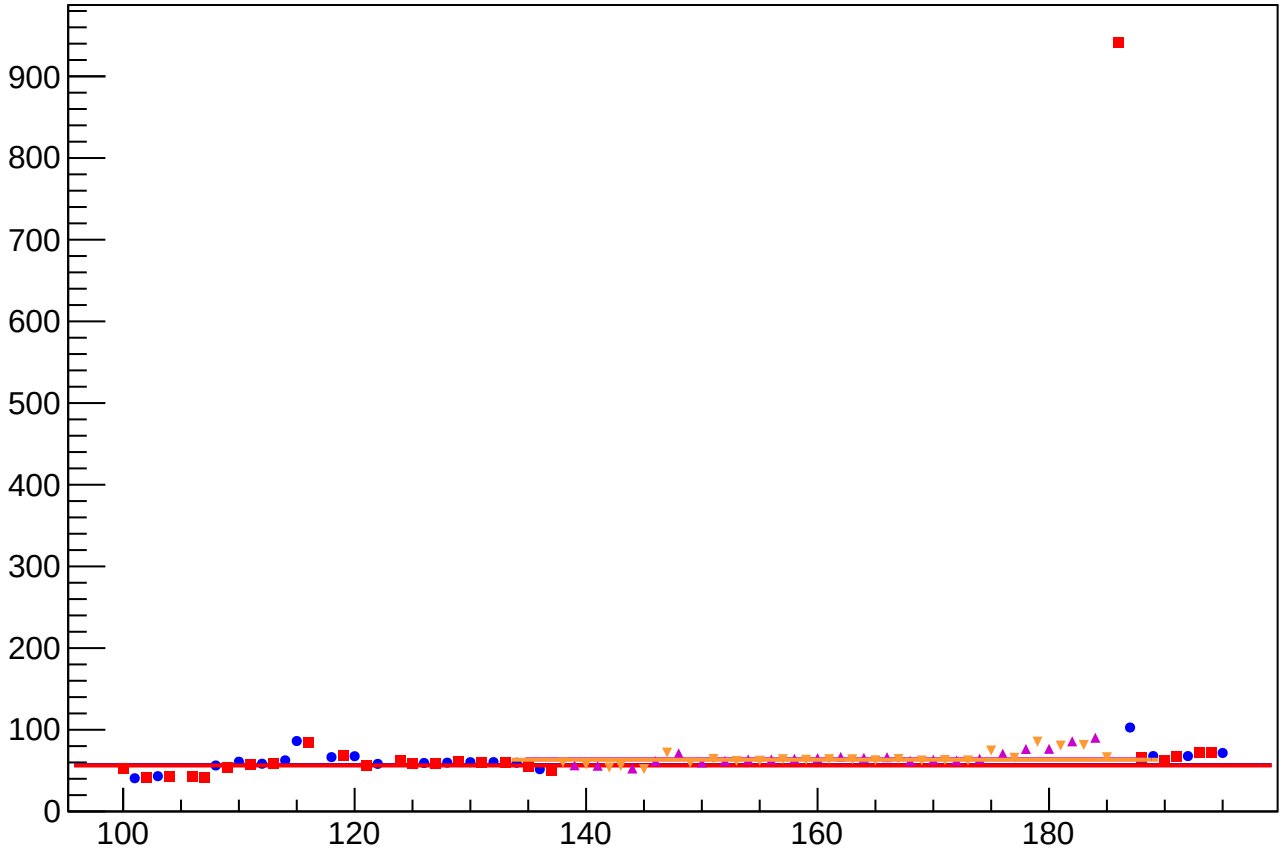
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.187+/-11.419 χ^2/NDF: 60.2/44

All: -8.225+/-8.080 χ^2/NDF: 138.7/92

- sign -44.726+/-11.433 χ^2/NDF: 58.2/47

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: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

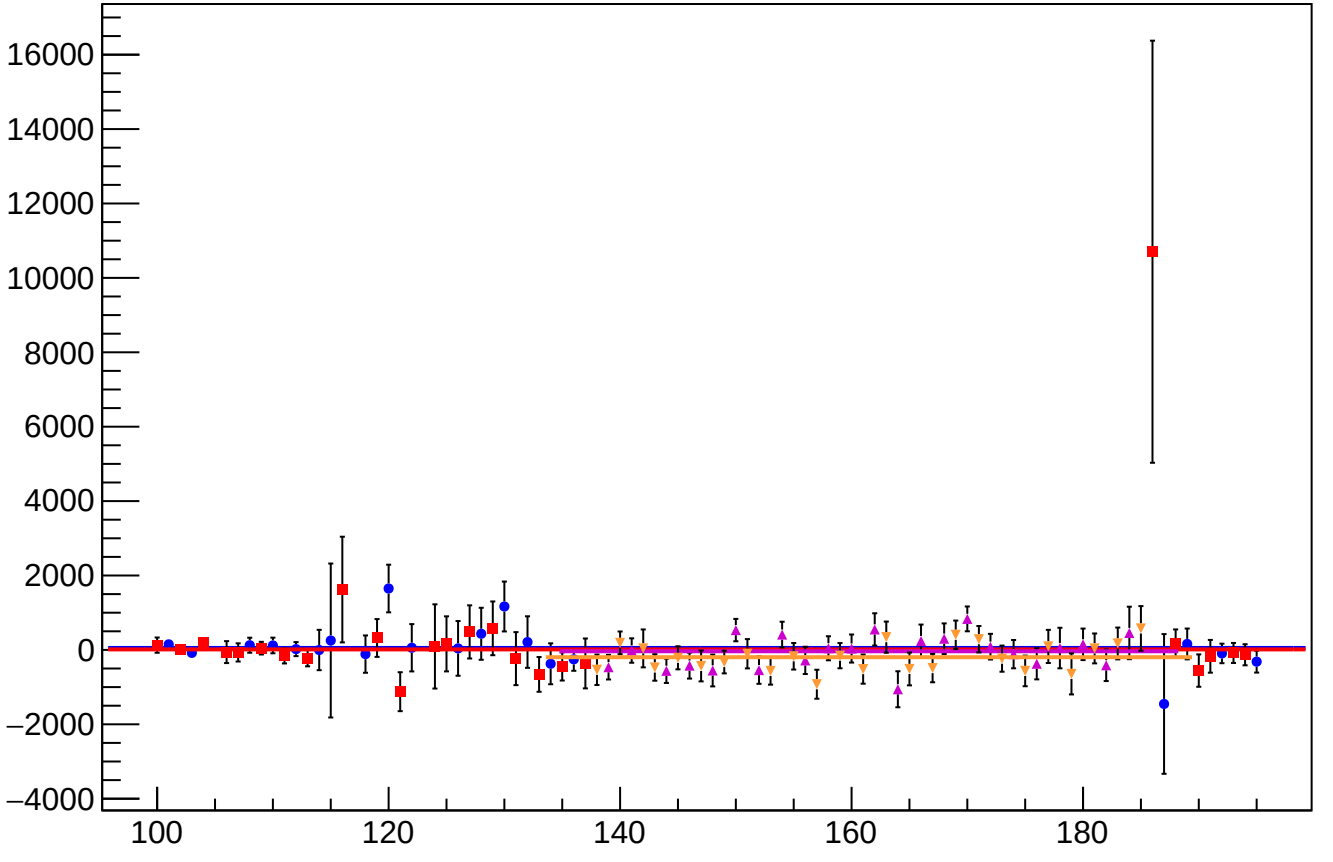
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 60.833+/-0.008 χ^2/NDF: 1311487.7/44

All: 60.773+/-0.006 χ^2/NDF: 3404916.2/92

\- sign 60.713+/-0.008 χ^2/NDF: 2093318.0/47

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: 13.502+/-47.664 χ^2/NDF: 24.1/24

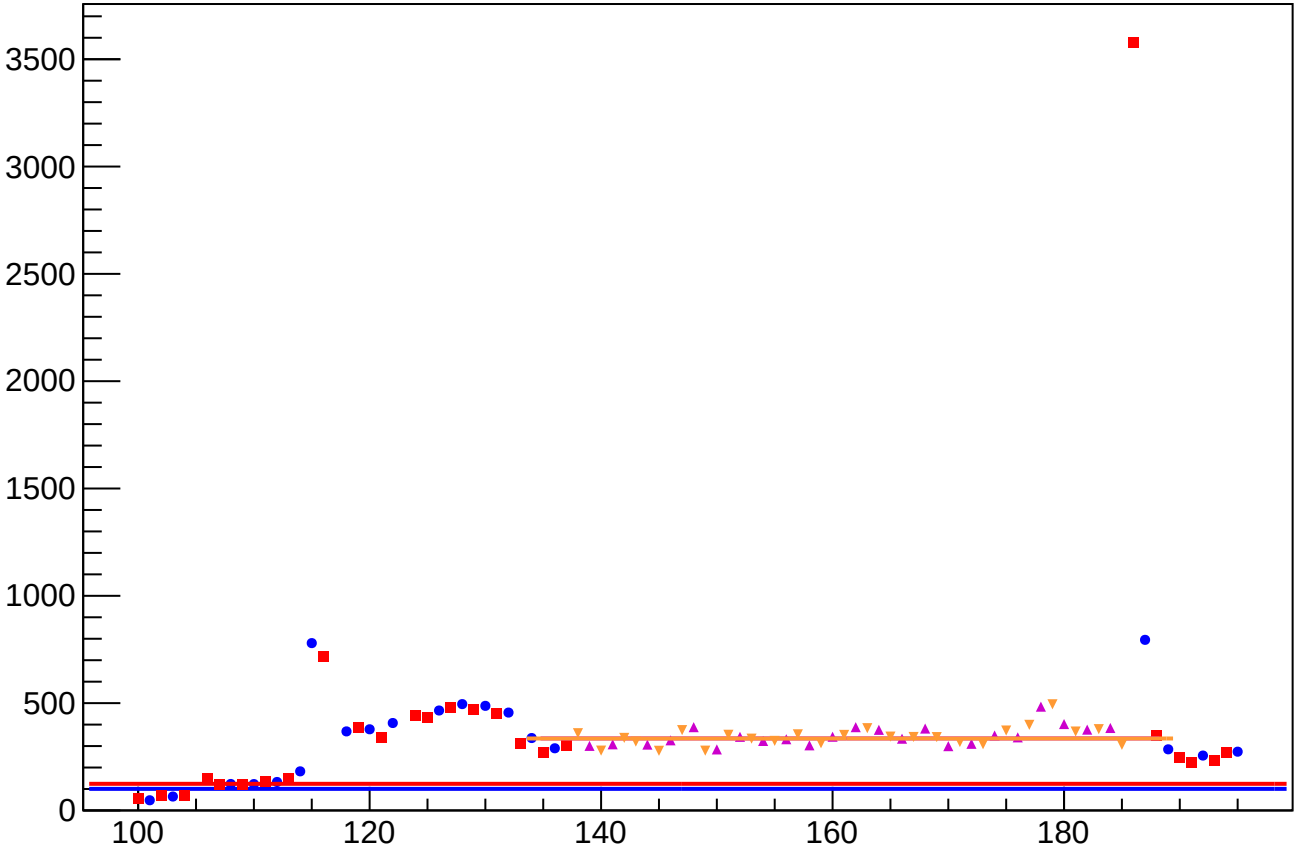
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -10.560+/-38.825 χ^2/NDF: 46.7/44

All: -5.437+/-28.139 χ^2/NDF: 102.3/92

- sign 0.232+/-40.840 χ^2/NDF: 55.5/47

asym_sam_15_avg_cor_correction_rms vs Slug



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: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

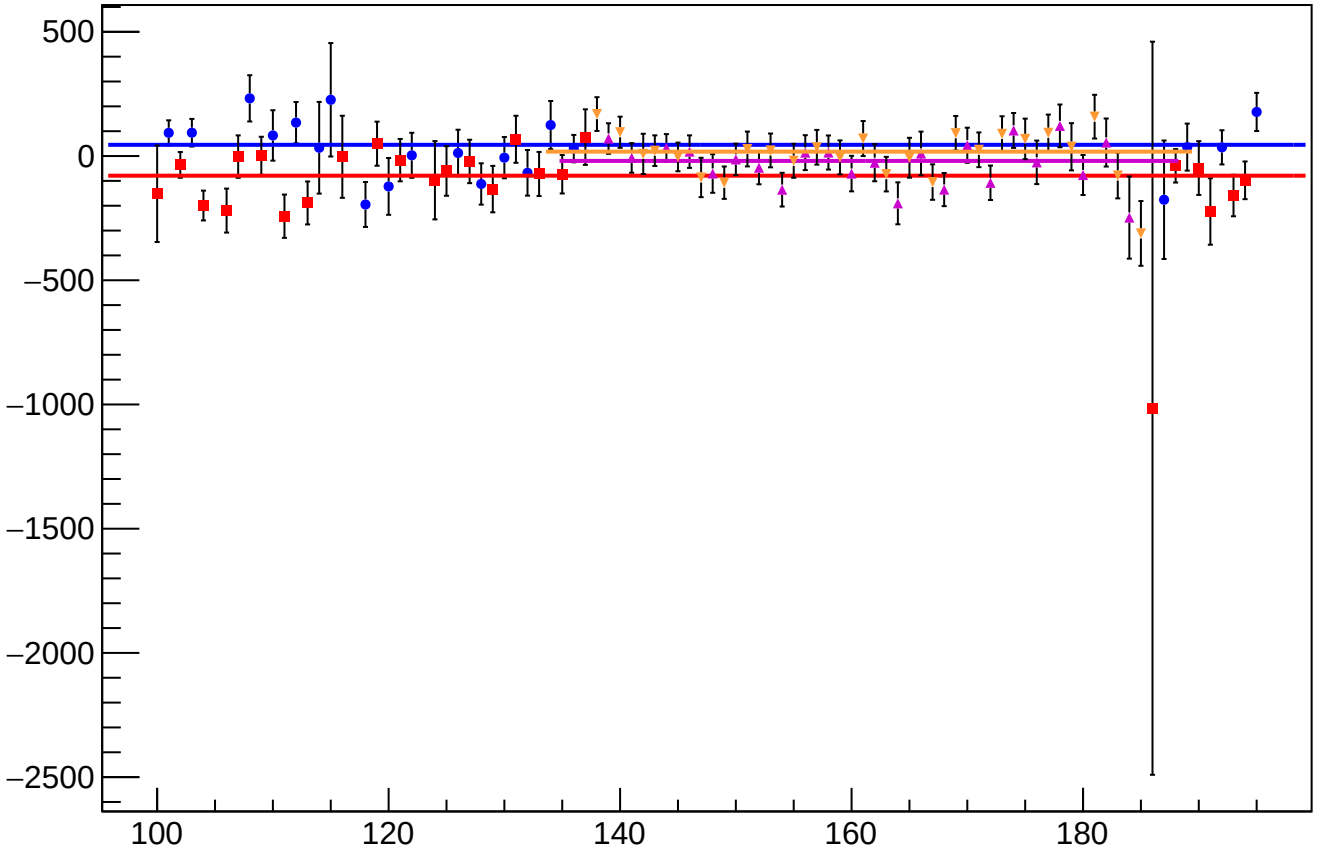
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 160.122+/-0.027 χ^2/NDF: 23239791.9/44

All: 169.701+/-0.020 χ^2/NDF: 42632346.6/92

- sign 180.300+/-0.029 χ^2/NDF: 19136110.7/47

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: -79.064+/-17.597 χ^2/NDF: 25.4/24

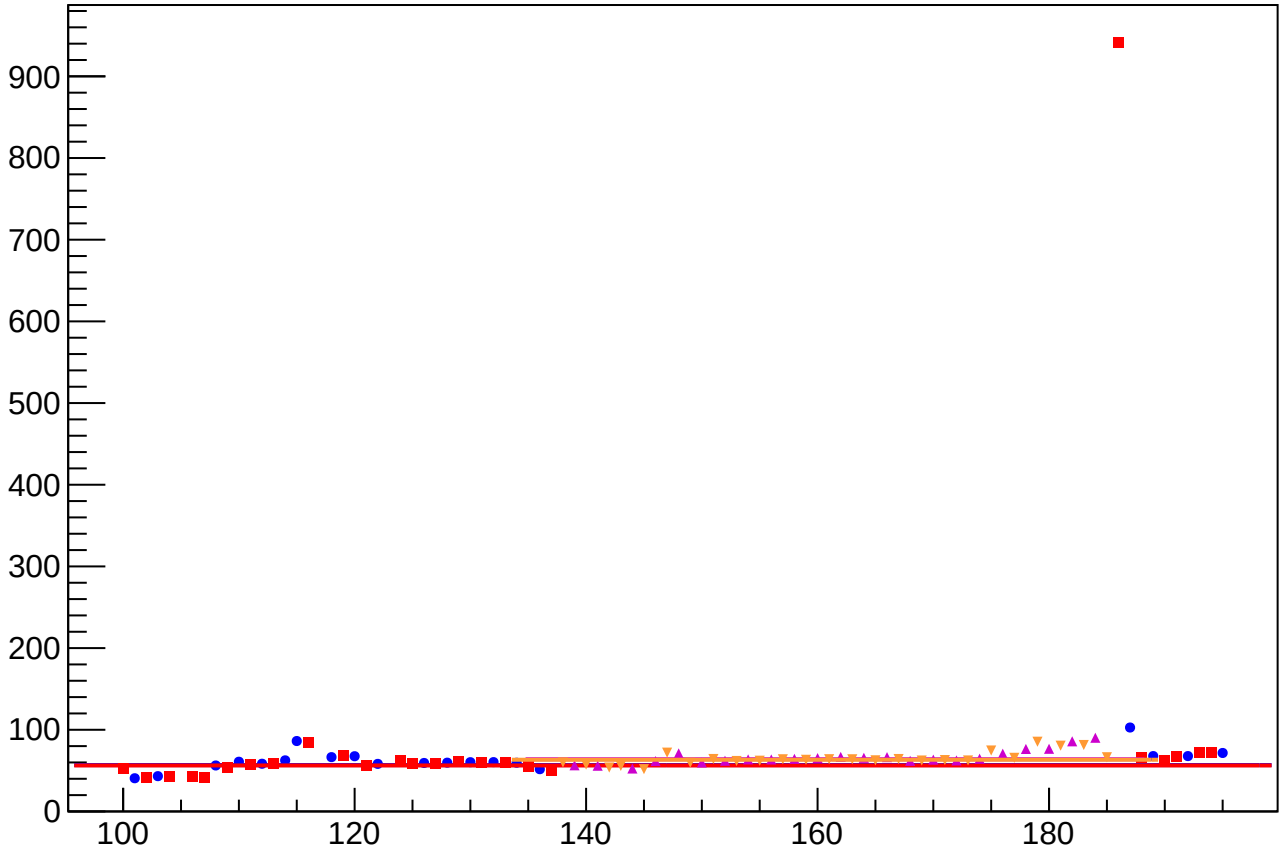
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.187+/-11.419 χ^2/NDF: 60.2/44

All: -8.225+/-8.080 χ^2/NDF: 138.7/92

- sign -44.726+/-11.433 χ^2/NDF: 58.2/47

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: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

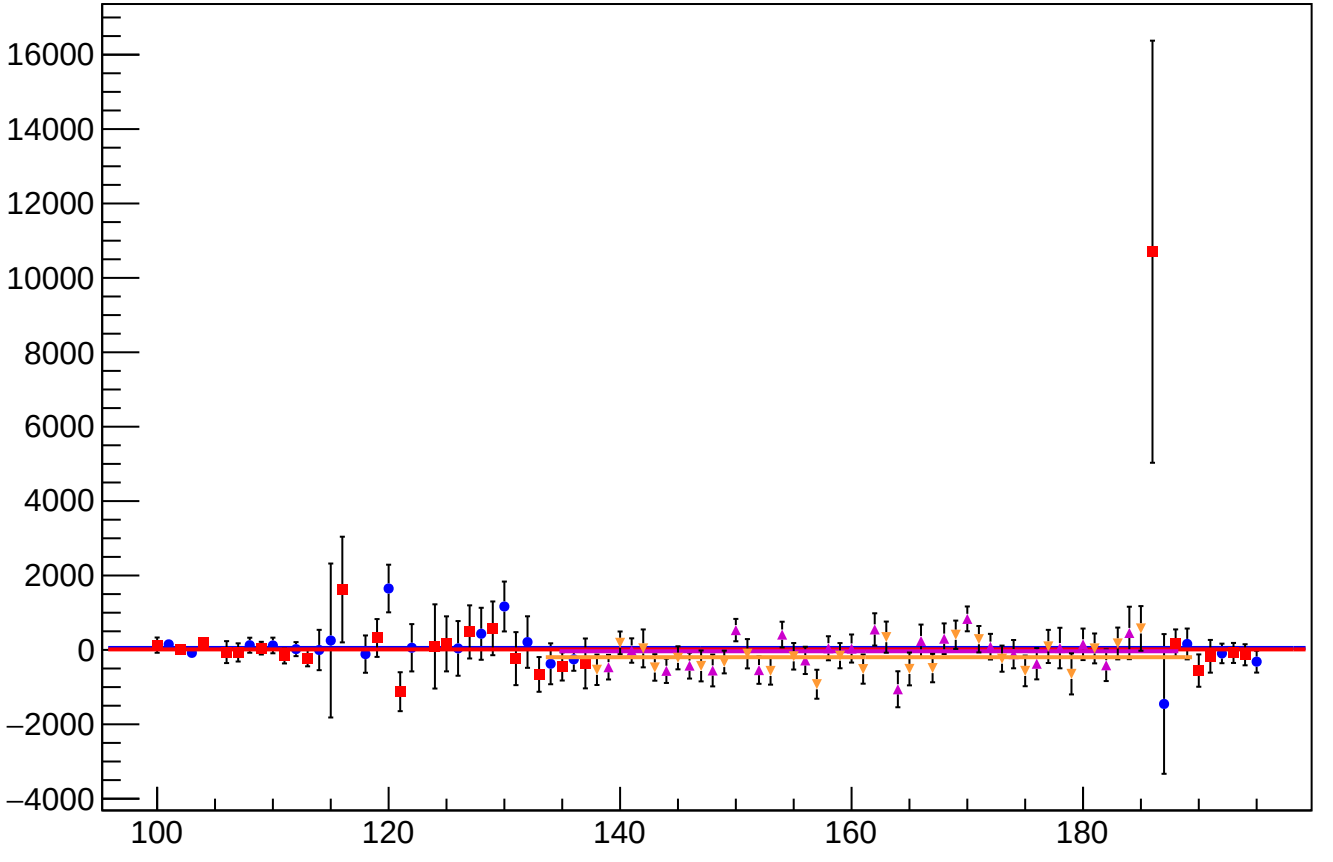
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.833+/-0.008 χ^2/NDF: 1311487.7/44

All: 60.773+/-0.006 χ^2/NDF: 3404916.2/92

- sign 60.713+/-0.008 χ^2/NDF: 2093318.0/47

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

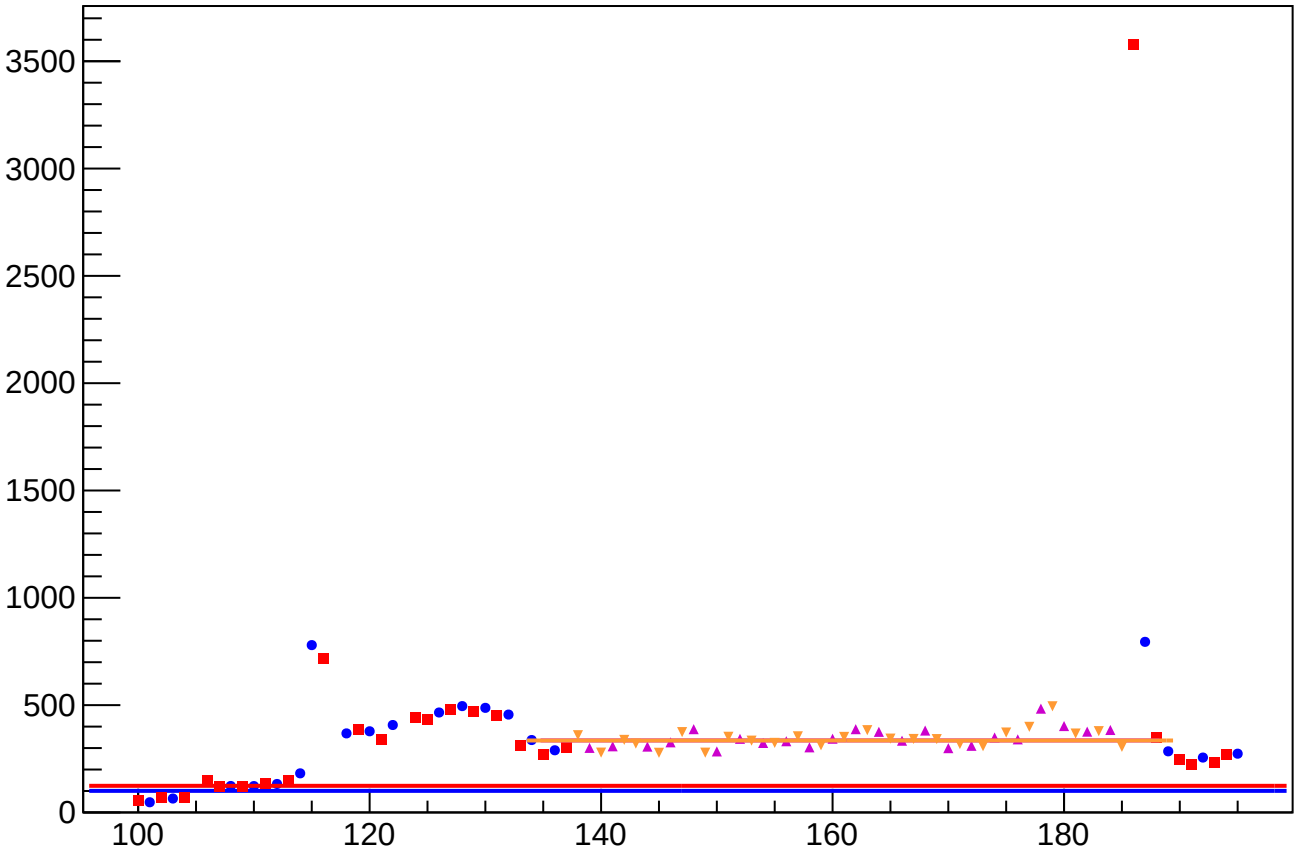
Right Out: 13.502+/-47.664 χ^2/NDF: 24.1/24

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -10.560+/-38.825 χ^2/NDF: 46.7/44

All: -5.437+/-28.139 χ^2/NDF: 102.3/92

- sign 0.232+/-40.840 χ^2/NDF: 55.5/47



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: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

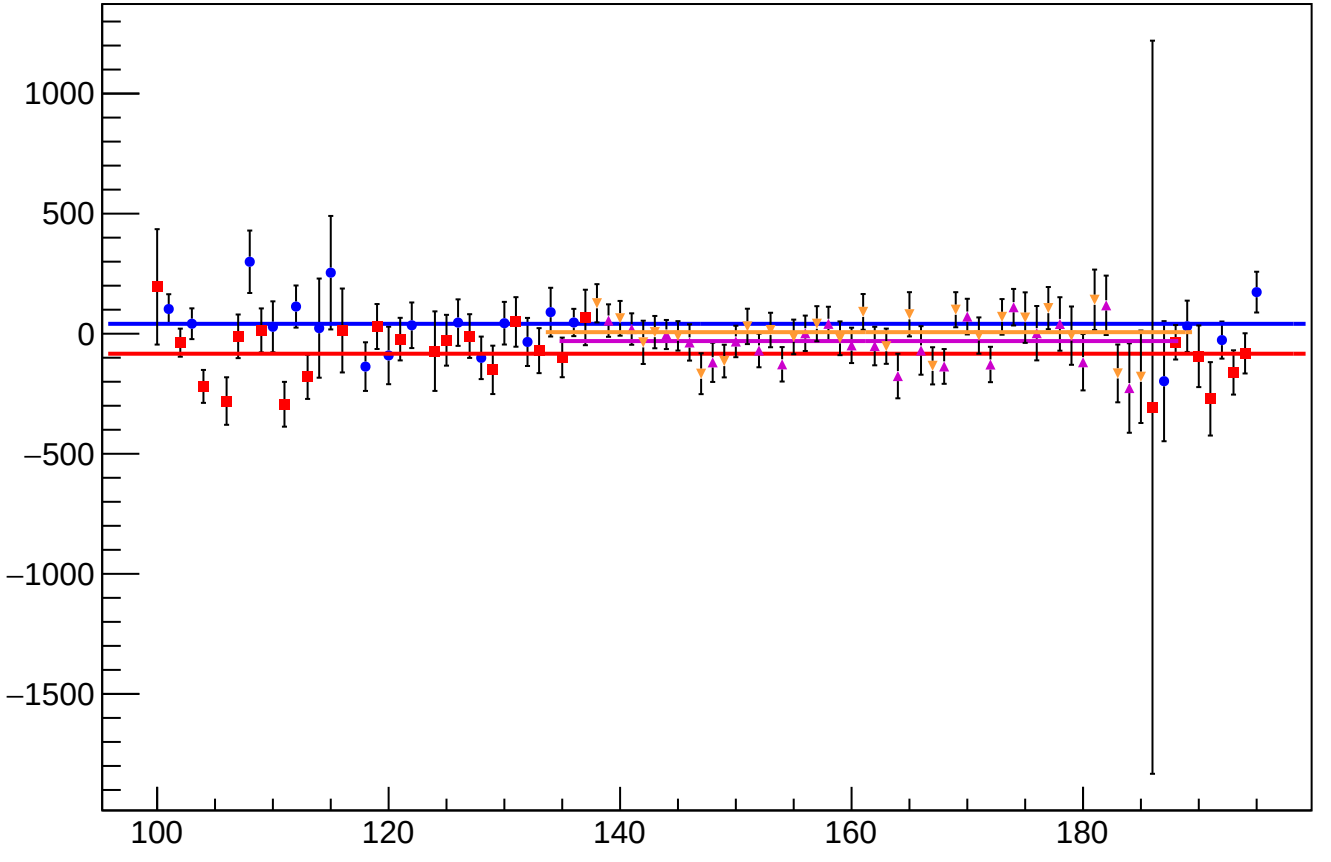
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 160.122+/-0.027 χ^2/NDF: 23239791.9/44

All: 169.701+/-0.020 χ^2/NDF: 42632346.6/92

- sign 180.300+/-0.029 χ^2/NDF: 19136110.7/47

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: -83.337+/-19.222 χ^2/NDF: 27.5/24

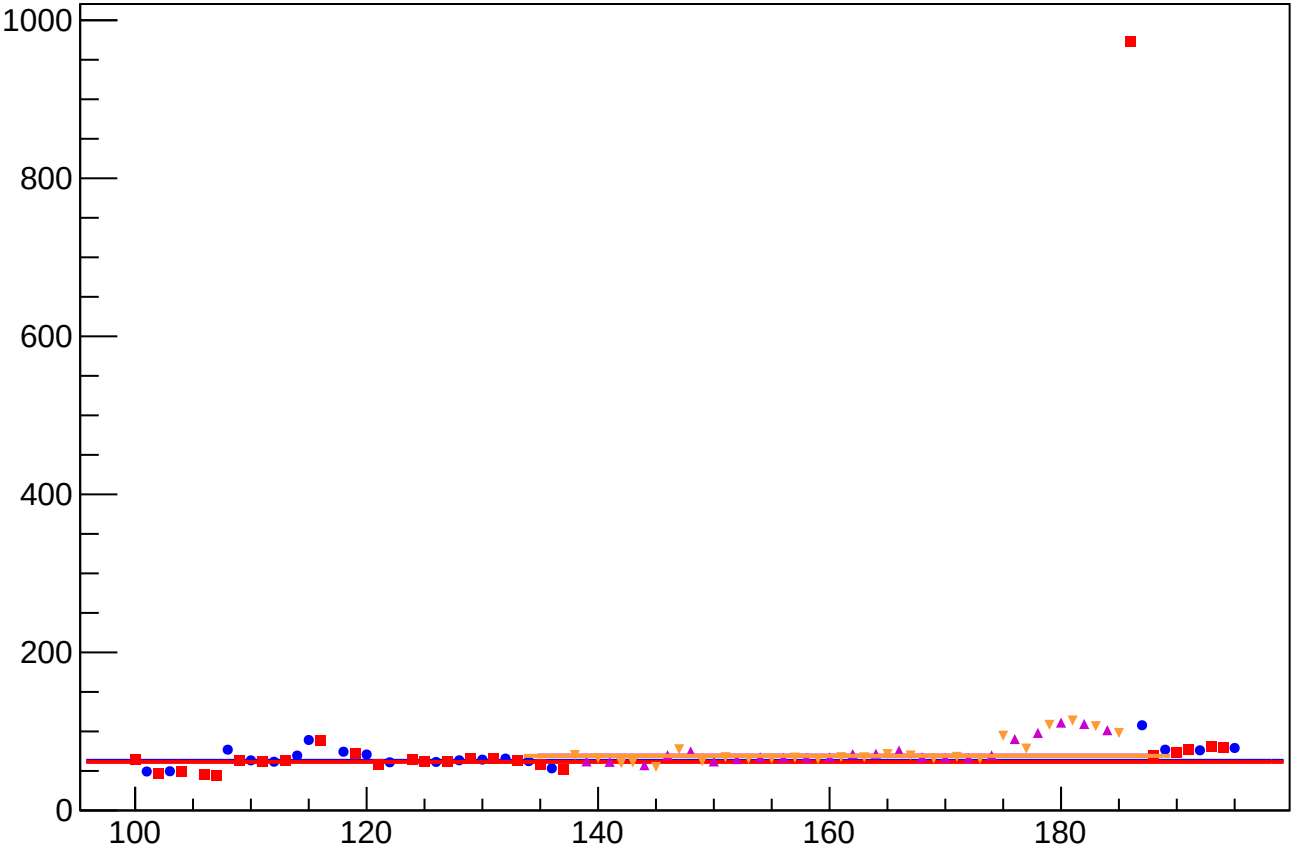
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 19.595+/-12.599 χ^2/NDF: 45.1/44

All: -16.934+/-8.881 χ^2/NDF: 116.1/92

- sign -53.014+/-12.521 χ^2/NDF: 54.3/47

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: 61.447+/-0.014 χ^2/NDF: 1376364.6/24

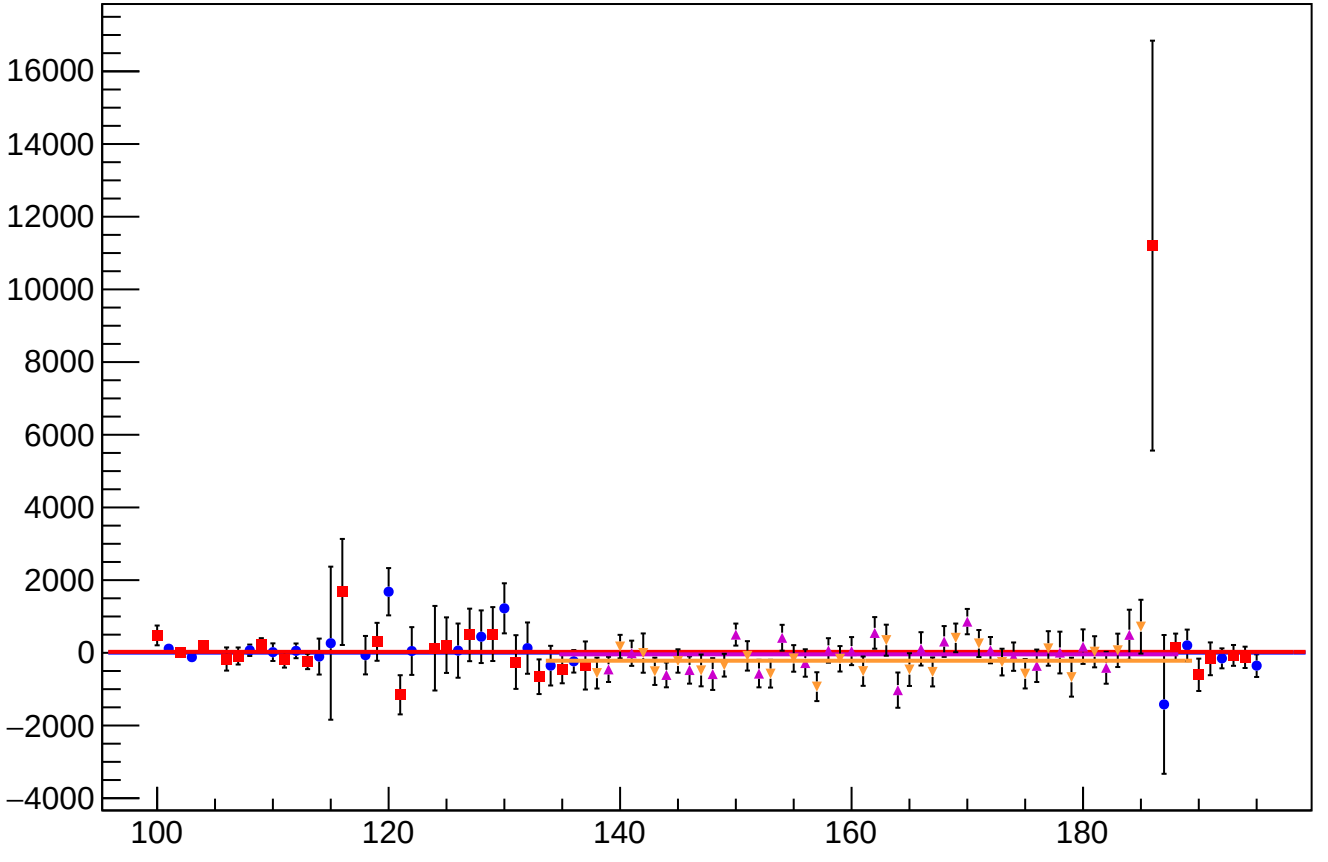
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.696+/-0.009 χ^2/NDF: 1749981.2/44

All: 66.369+/-0.006 χ^2/NDF: 4252551.6/92

- sign 66.046+/-0.009 χ^2/NDF: 2499891.2/47

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: 26.846+/-50.370 χ^2/NDF: 28.2/24

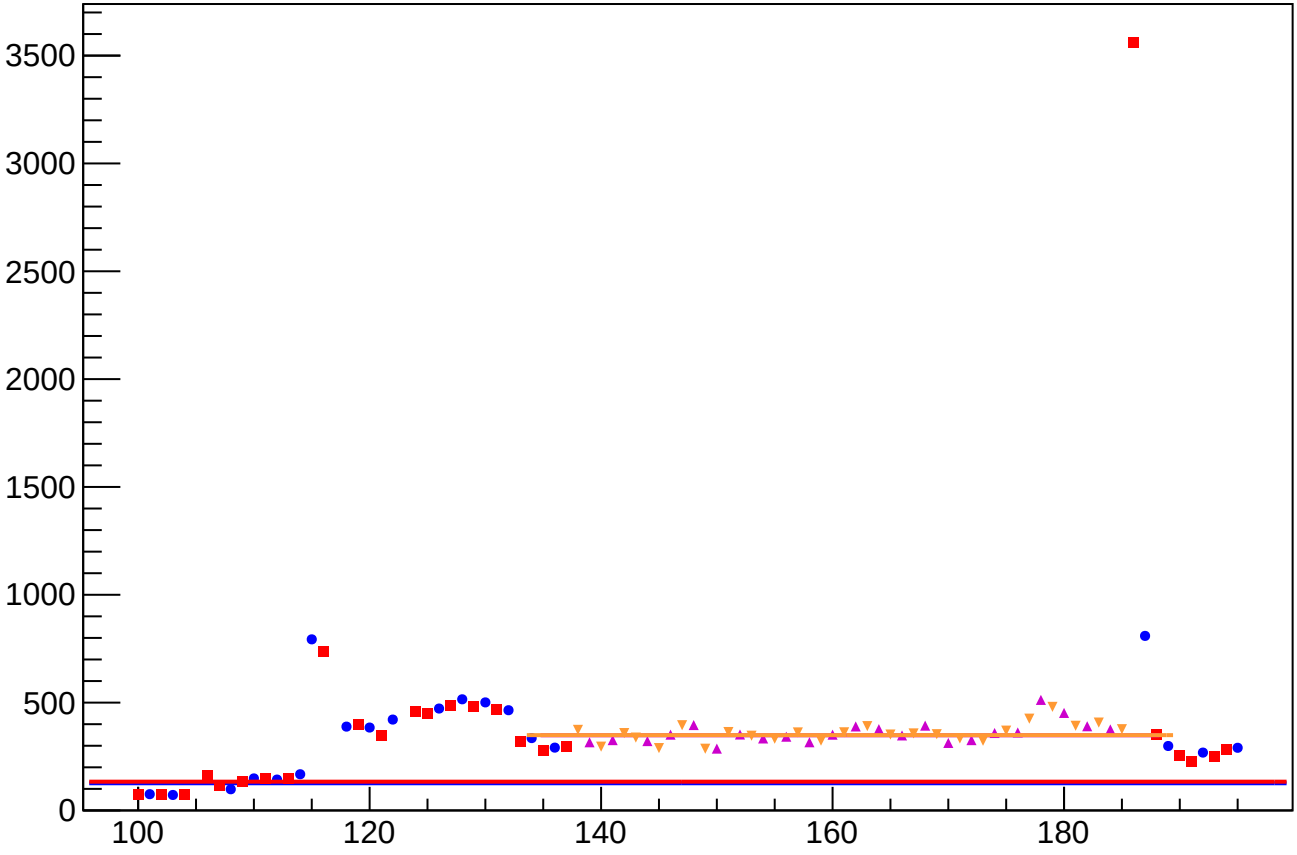
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -59.185+/-43.309 χ^2/NDF: 42.0/44

All: -25.214+/-30.498 χ^2/NDF: 101.9/92

- sign 8.204+/-42.956 χ^2/NDF: 58.7/47

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: 133.455+/-0.036 χ^2/NDF: 7848884.4/24

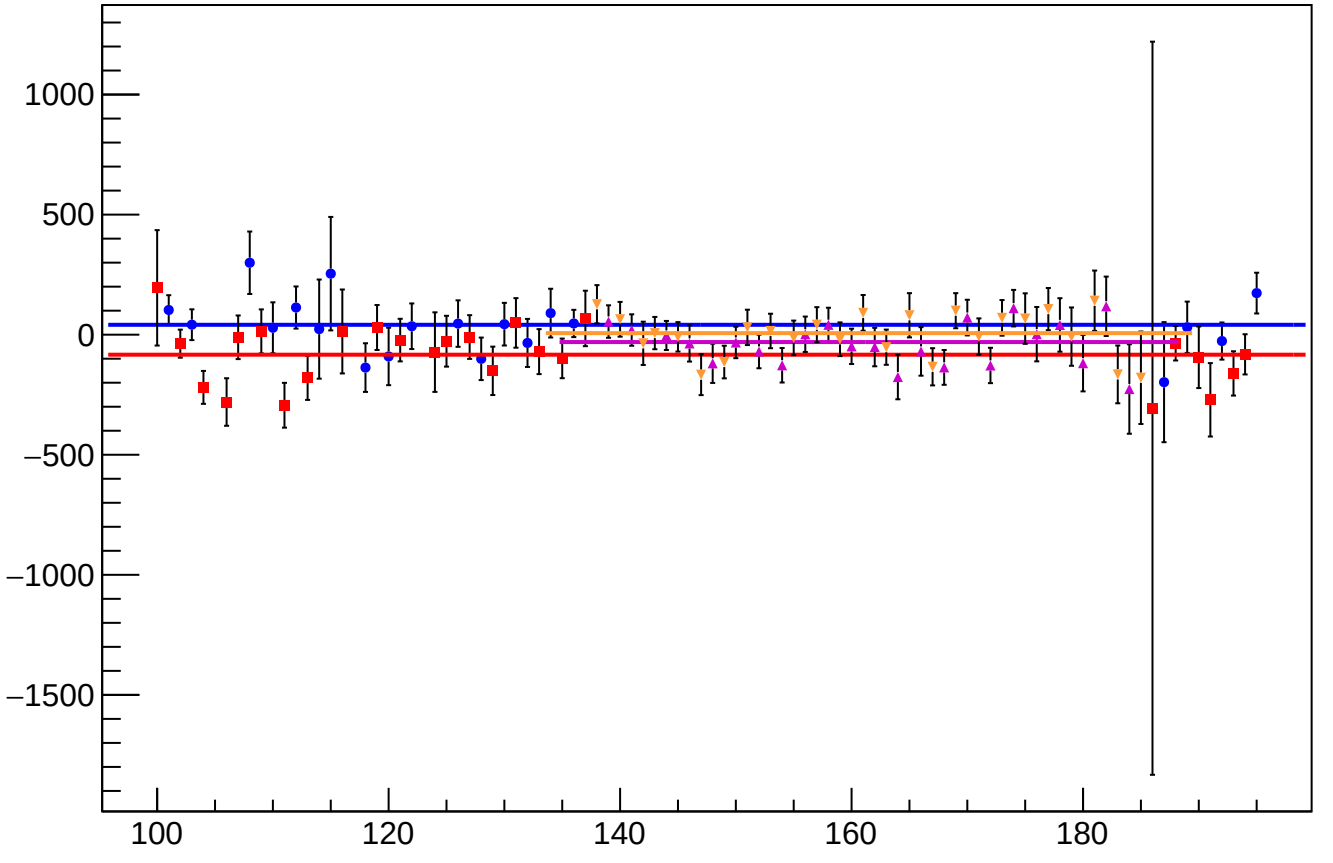
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 191.274+/-0.031 χ^2/NDF: 18886419.3/44

All: 191.699+/-0.022 χ^2/NDF: 37208595.7/92

- sign 192.117+/-0.030 χ^2/NDF: 18321794.5/47

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: -83.337+/-19.222 χ^2/NDF: 27.5/24

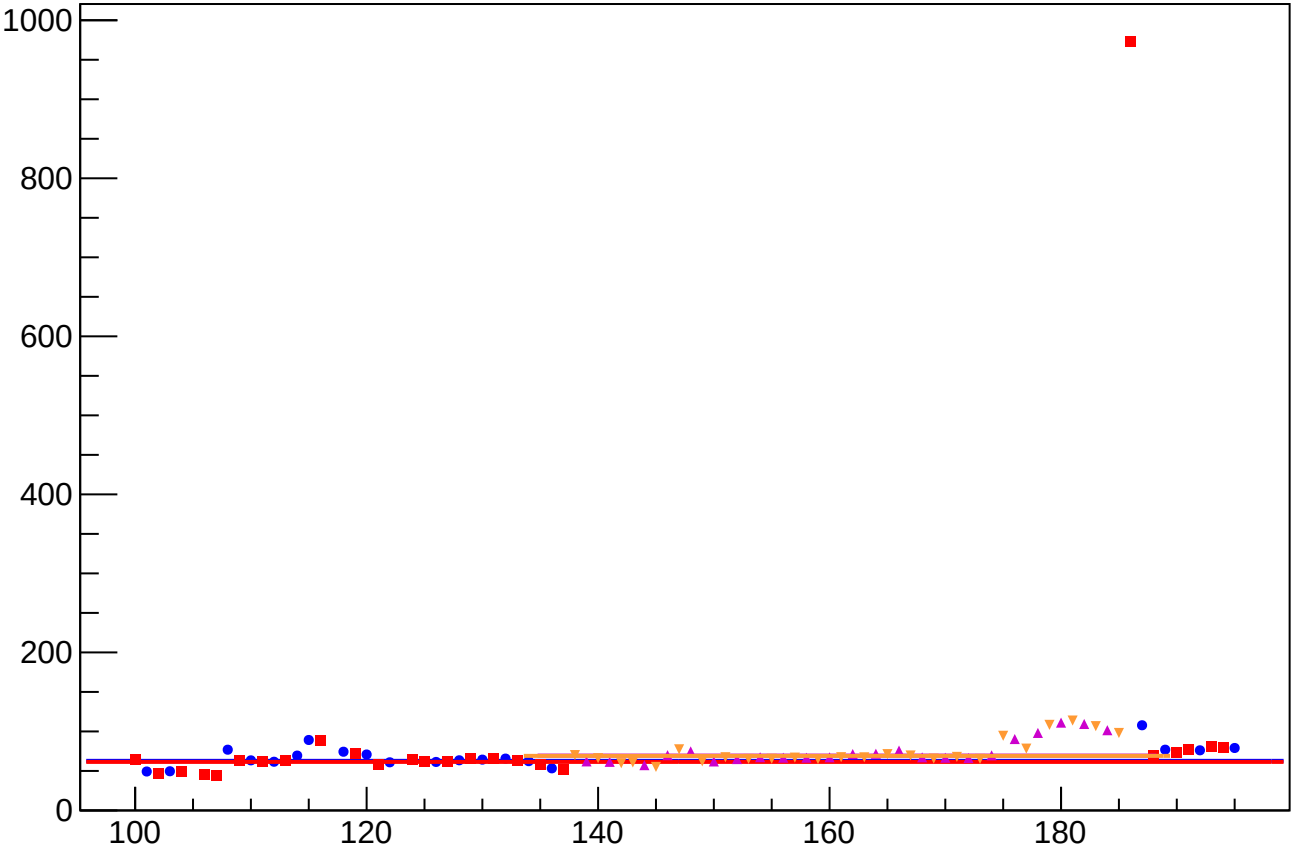
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 19.595+/-12.599 χ^2/NDF: 45.1/44

All: -16.934+/-8.881 χ^2/NDF: 116.1/92

- sign -53.014+/-12.521 χ^2/NDF: 54.3/47

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: 61.447+/-0.014 χ^2/NDF: 1376362.9/24

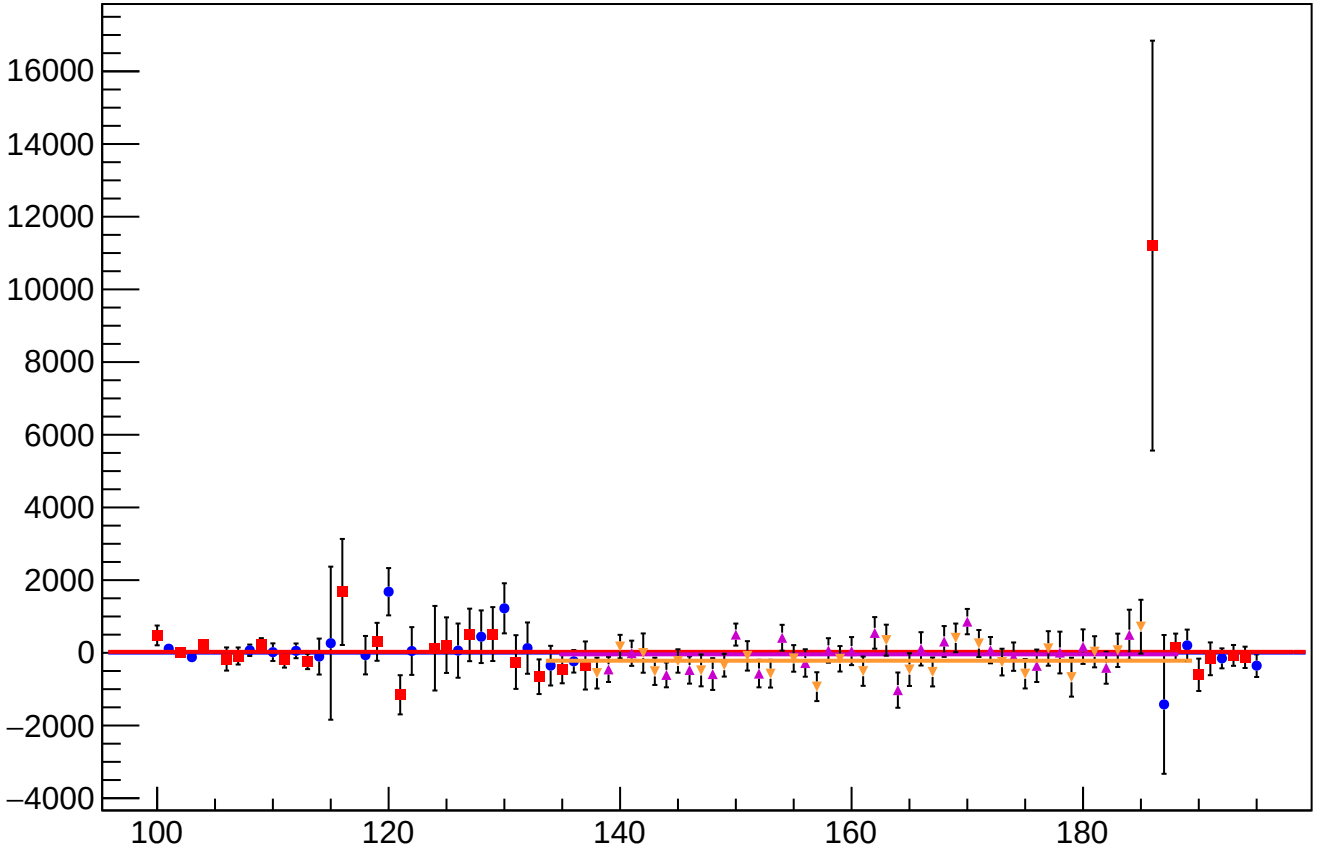
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.696+/-0.009 χ^2/NDF: 1749970.2/44

All: 66.369+/-0.006 χ^2/NDF: 4252533.6/92

- sign 66.046+/-0.009 χ^2/NDF: 2499884.5/47

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: 26.846+/-50.370 χ^2/NDF: 28.2/24

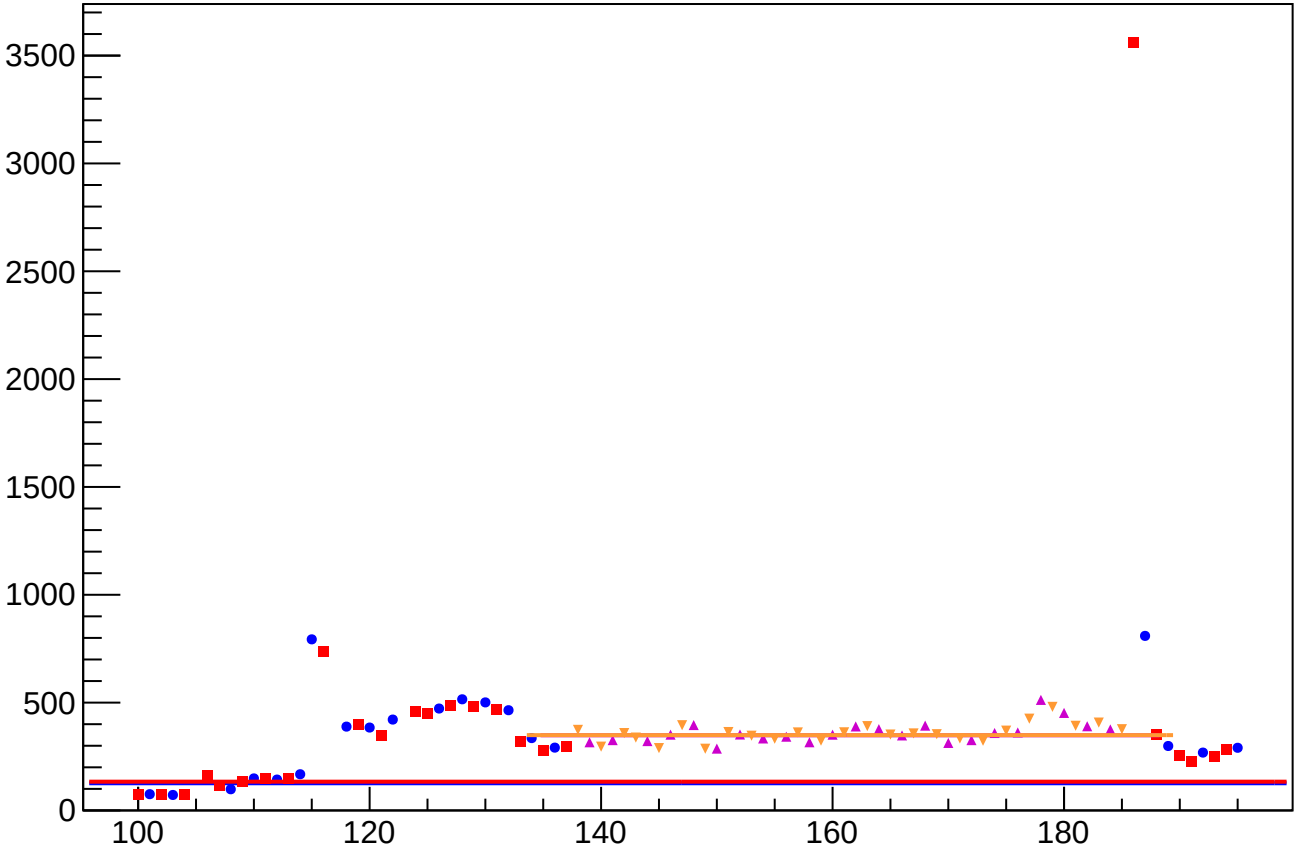
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -59.185+/-43.309 χ^2/NDF: 42.0/44

All: -25.214+/-30.498 χ^2/NDF: 101.9/92

- sign 8.204+/-42.956 χ^2/NDF: 58.7/47

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: 133.454+/-0.036 χ^2/NDF: 7848906.6/24

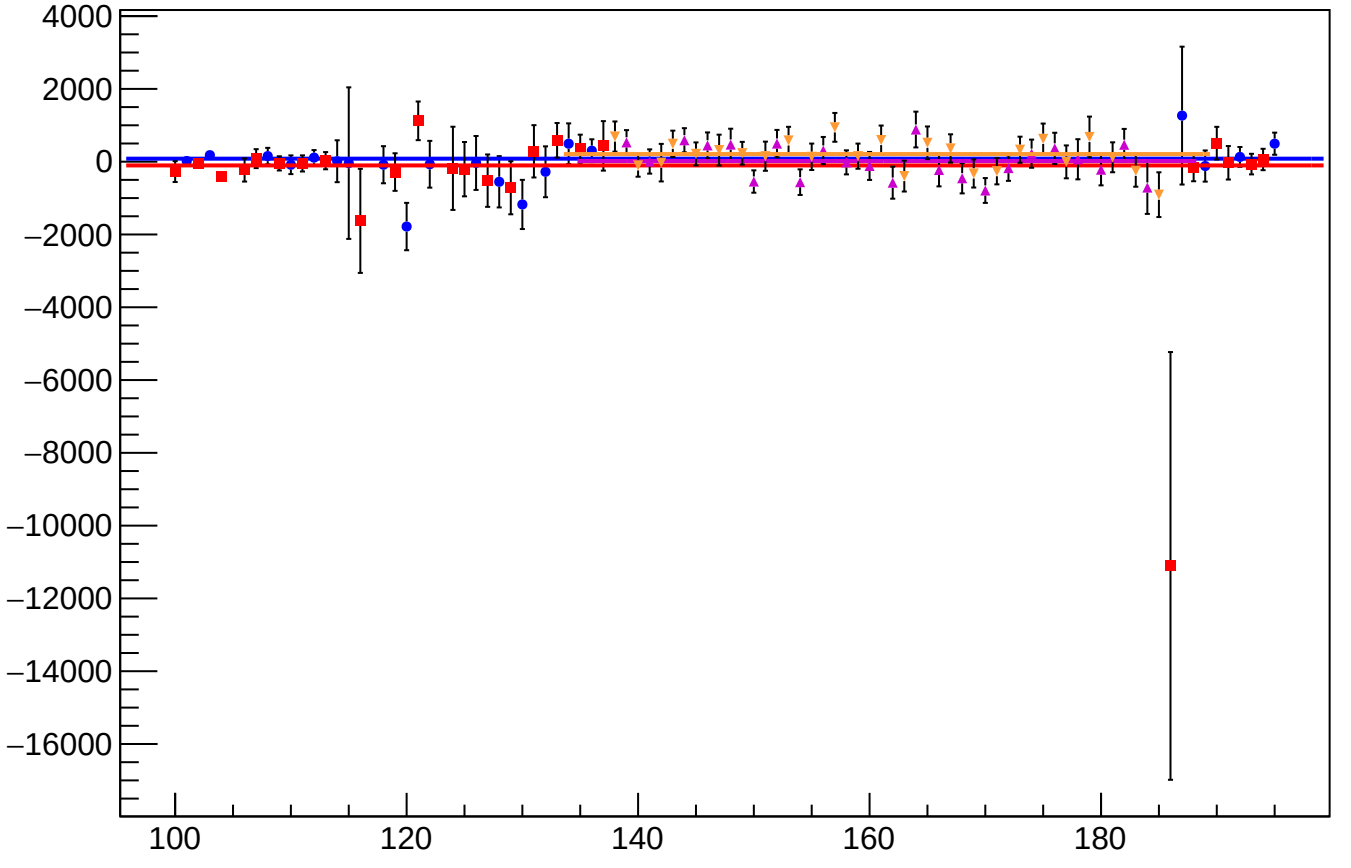
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 191.274+/-0.031 χ^2/NDF: 18886481.6/44

All: 191.699+/-0.022 χ^2/NDF: 37208754.7/92

- sign 192.117+/-0.030 χ^2/NDF: 18321891.3/47

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: -102.834+/-54.335 χ^2/NDF: 27.0/24

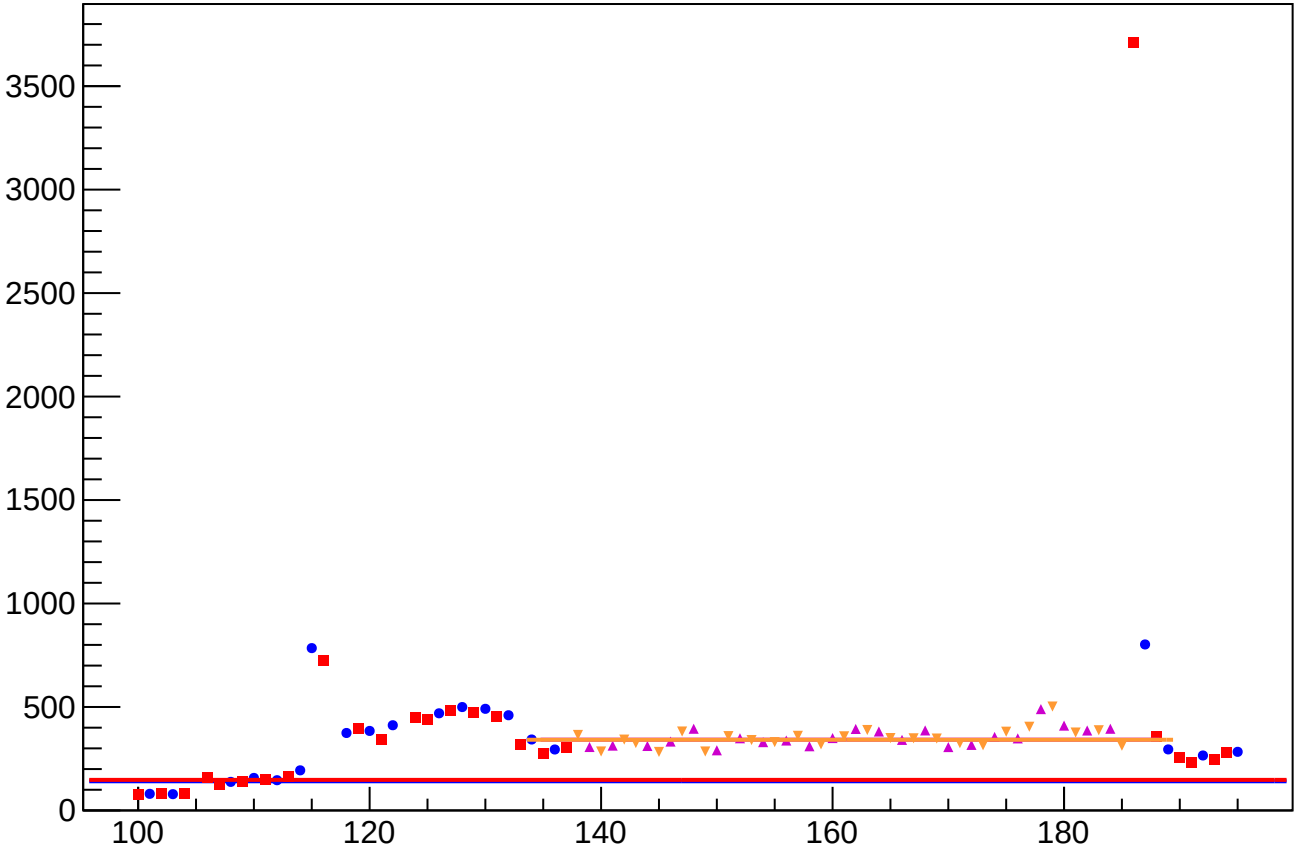
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 125.912+/-45.743 χ^2/NDF: 41.5/44

All: 29.087+/-32.105 χ^2/NDF: 110.8/92

- sign -64.912+/-45.071 χ^2/NDF: 60.5/47

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

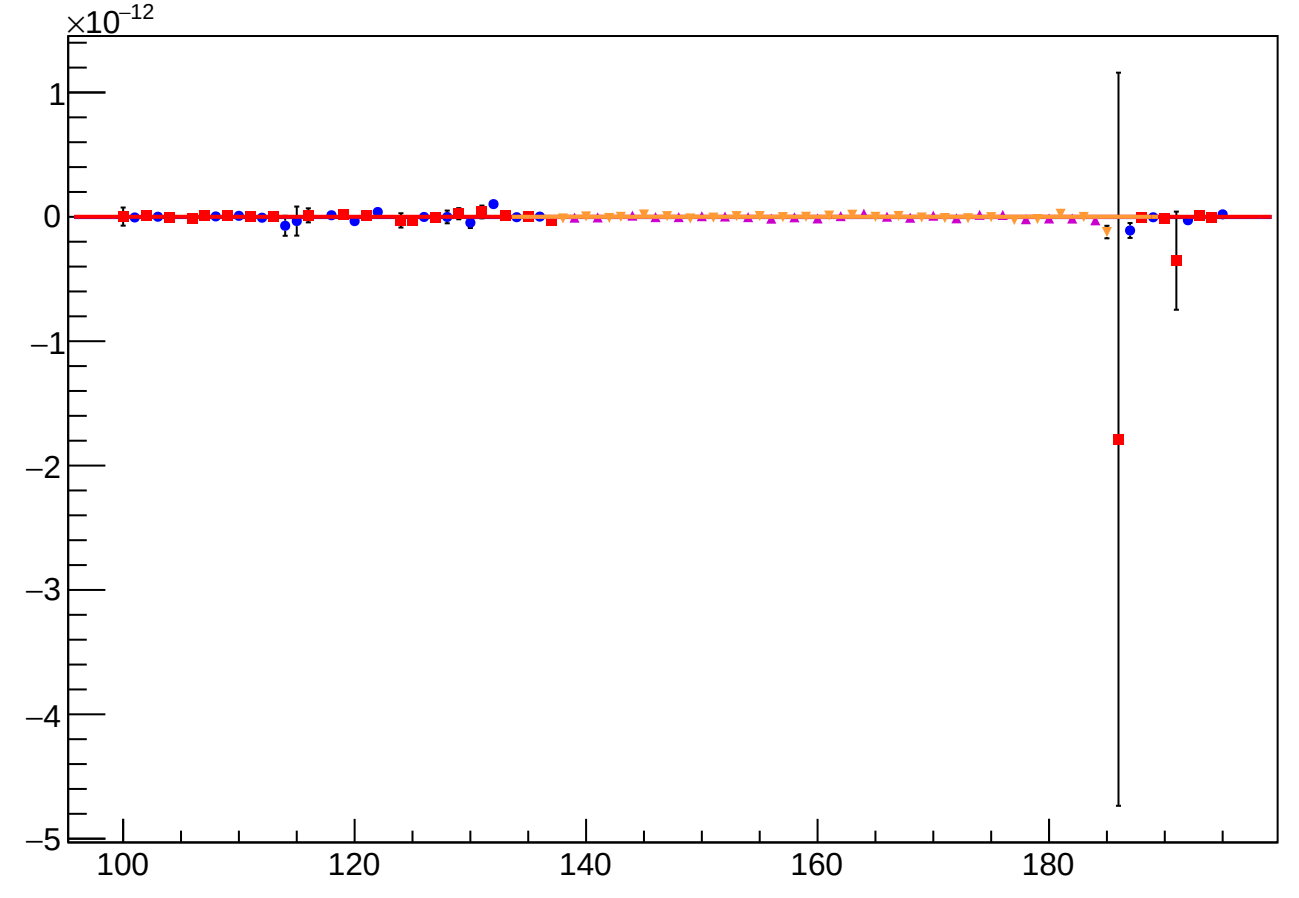
Right Out: 147.745+/-0.038 χ^2/NDF: 7034626.3/24

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 209.101+/-0.032 χ^2/NDF: 15881778.5/44

All: 208.705+/-0.023 χ^2/NDF: 31371412.7/92

- sign 208.321+/-0.032 χ^2/NDF: 15489339.2/47



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: 12.1/24

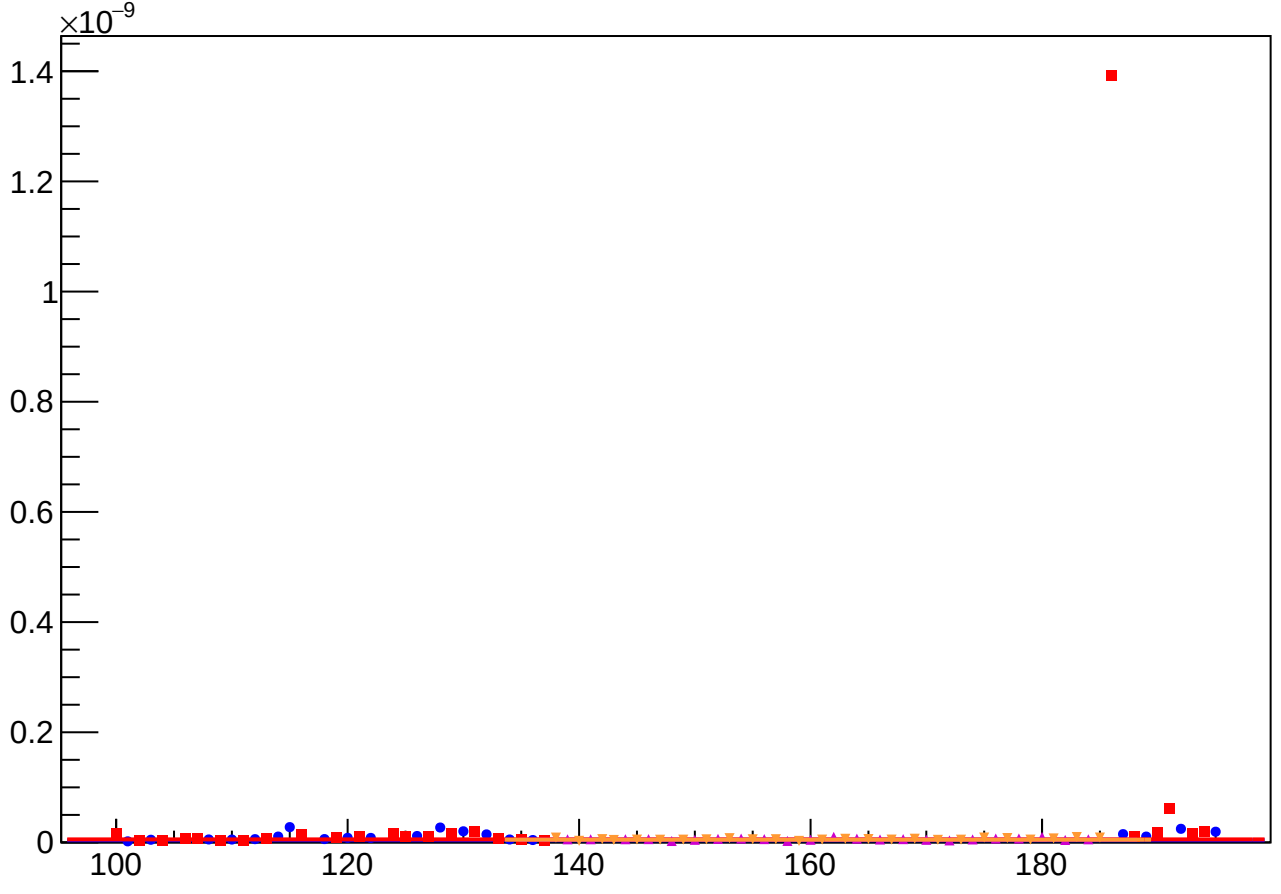
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/44

All: -0.000+/-0.000 χ^2/NDF: 83.7/92

- sign -0.000+/-0.000 χ^2/NDF: 32.7/47

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



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: 2951039.5/24

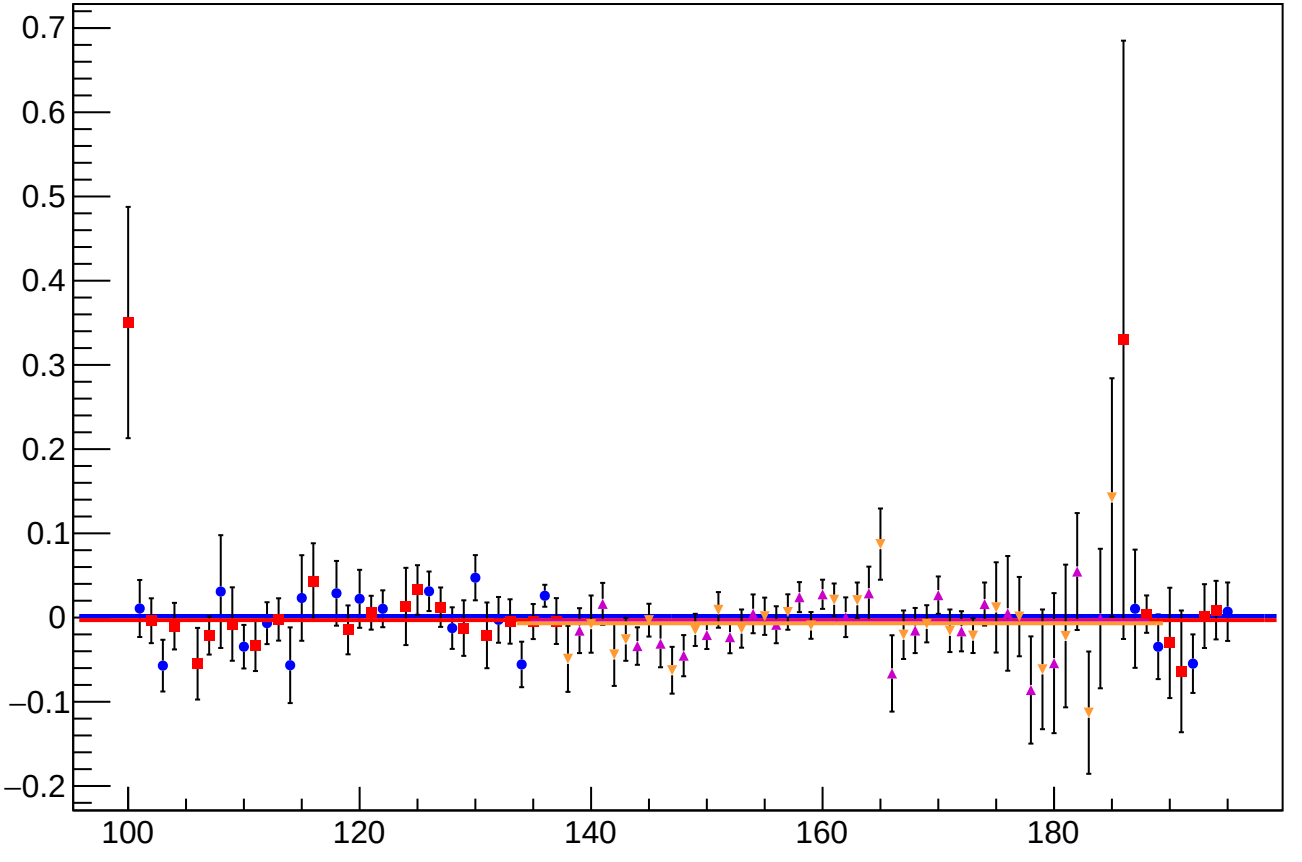
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5013232.1/44

All: 0.000+/-0.000 χ^2/NDF: 9340962.9/92

- sign 0.000+/-0.000 χ^2/NDF: 4221889.0/47

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: -0.003+/-0.006 χ^2/NDF: 15.6/24

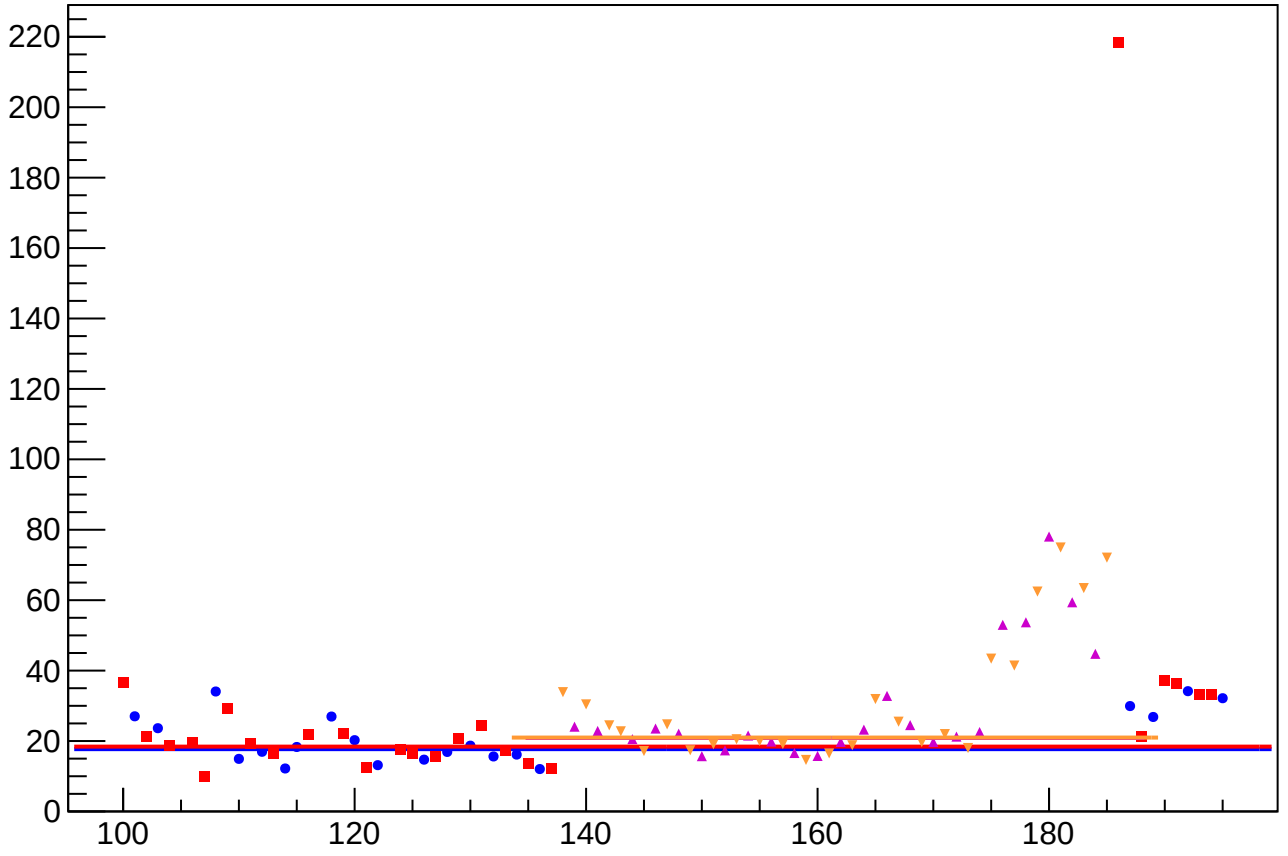
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.1/44

All: -0.003+/-0.003 χ^2/NDF: 86.9/92

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47

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

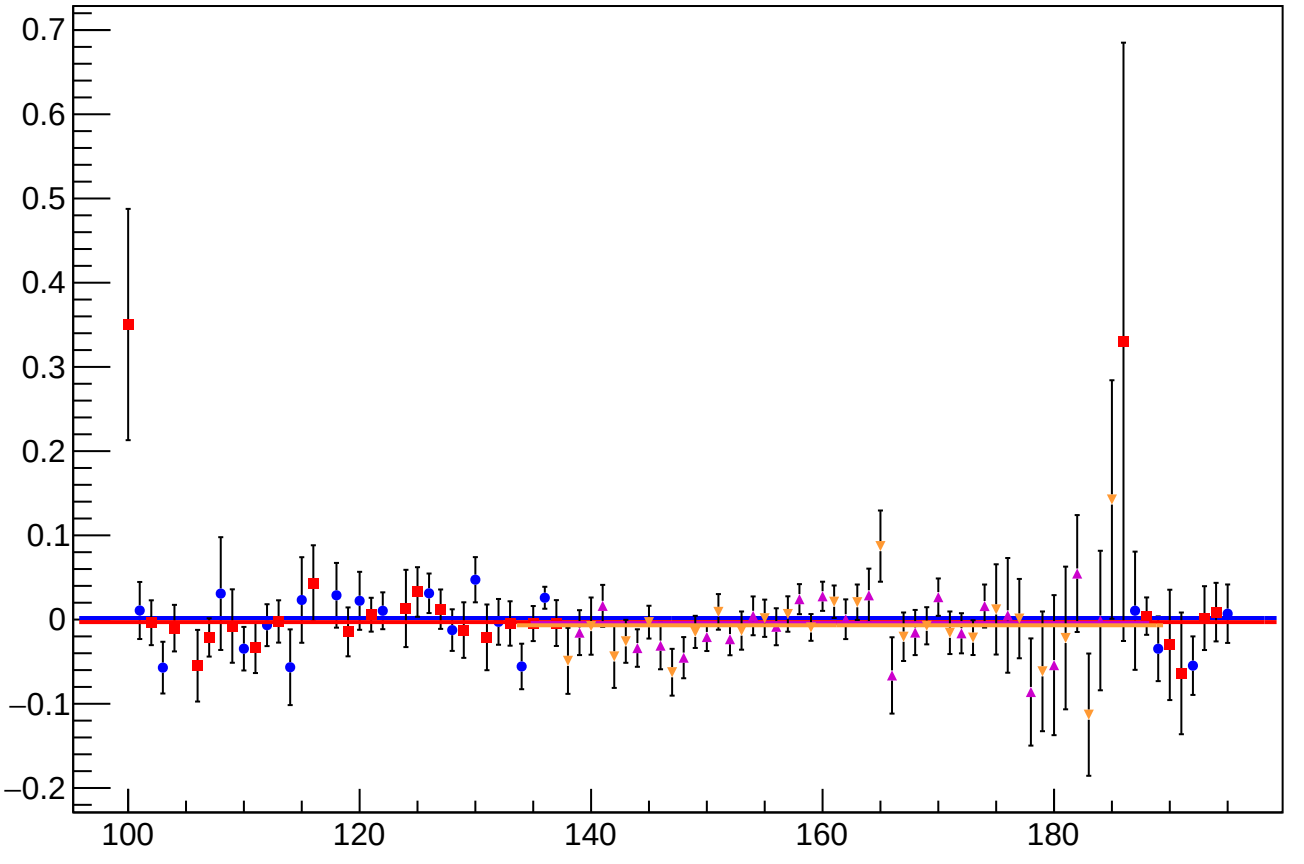
Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810083.5/44

All: 19.724+/-0.002 χ^2/NDF: 13140129.1/92

- sign 19.817+/-0.003 χ^2/NDF: 6327901.6/47



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

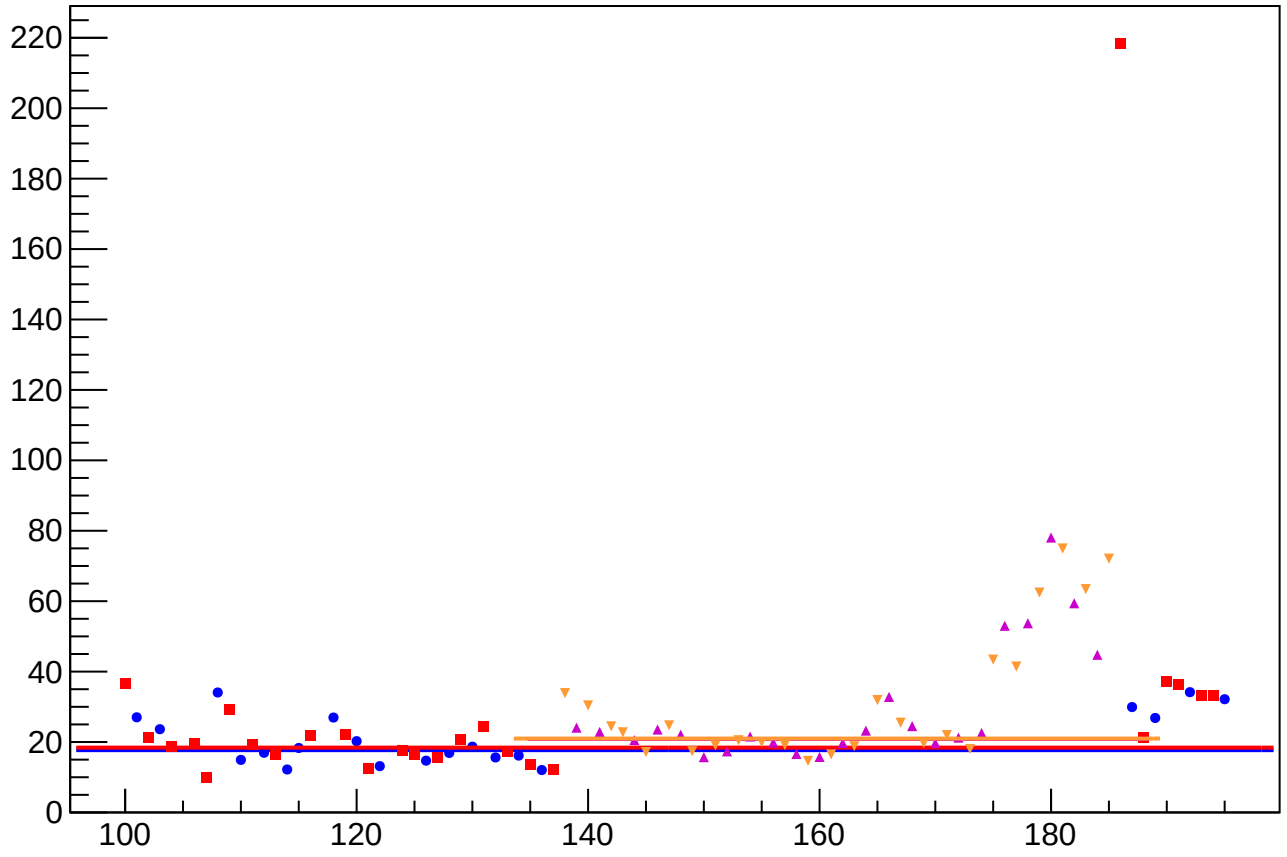
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

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: 86.9/92

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.695+/-0.004 χ^2/NDF: 2015612.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

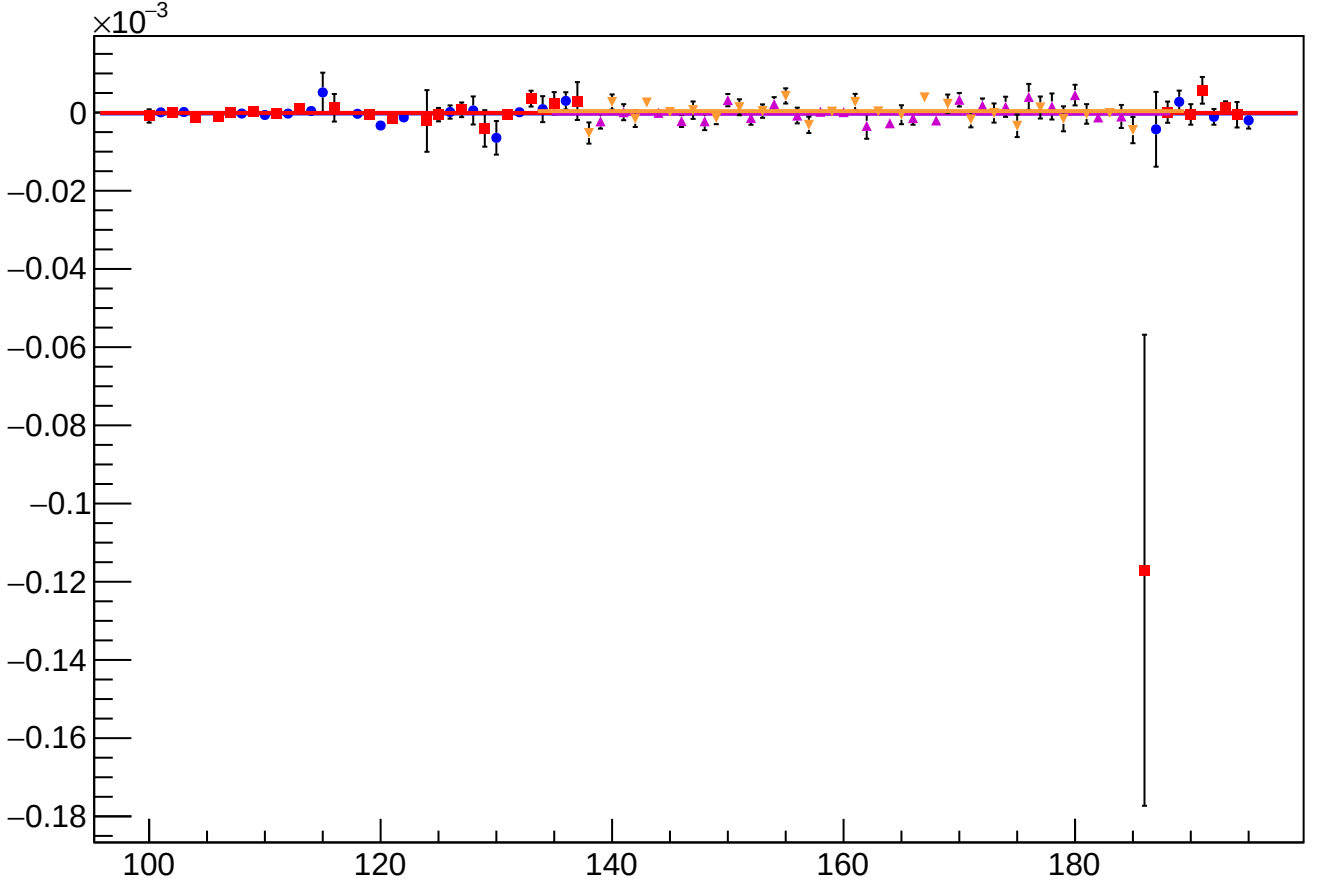
Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810083.5/44

All: 19.724+/-0.002 χ^2/NDF: 13140129.1/92

- sign 19.817+/-0.003 χ^2/NDF: 6327901.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

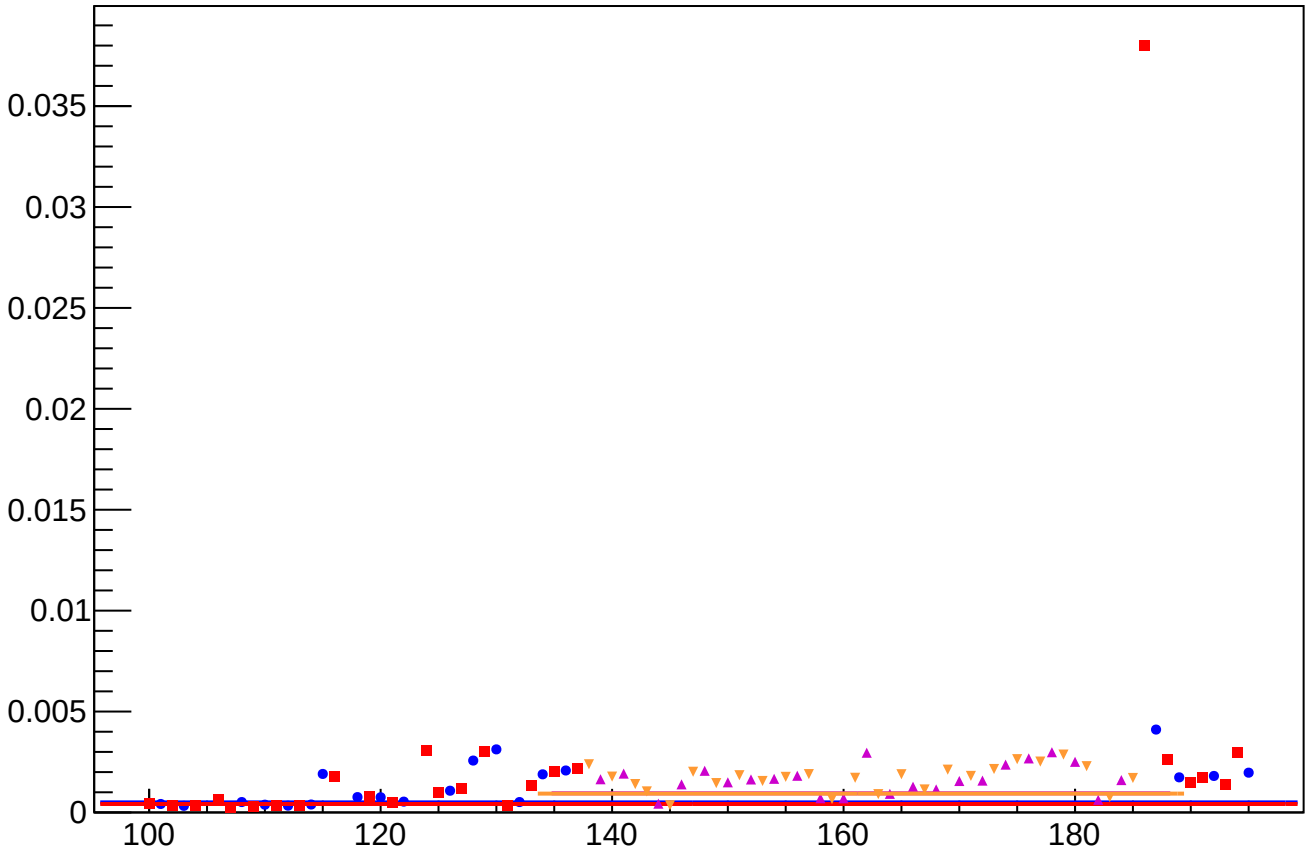
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

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: 114.0/92

- sign -0.000+/-0.000 χ^2/NDF: 59.6/47



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: 8833348.2/24

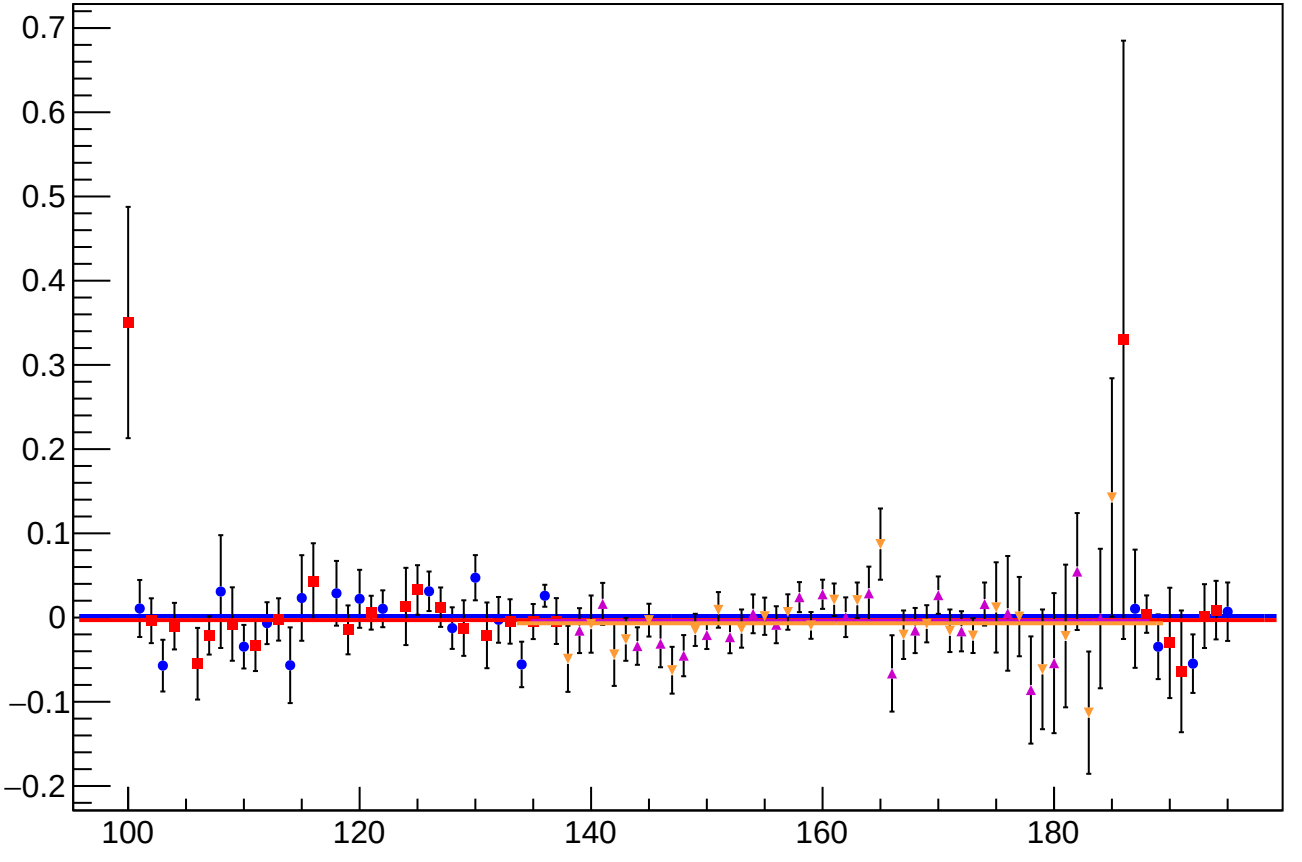
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 21958017.1/44

All: 0.001+/-0.000 χ^2/NDF: 46277532.5/92

- sign 0.001+/-0.000 χ^2/NDF: 23984116.1/47

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

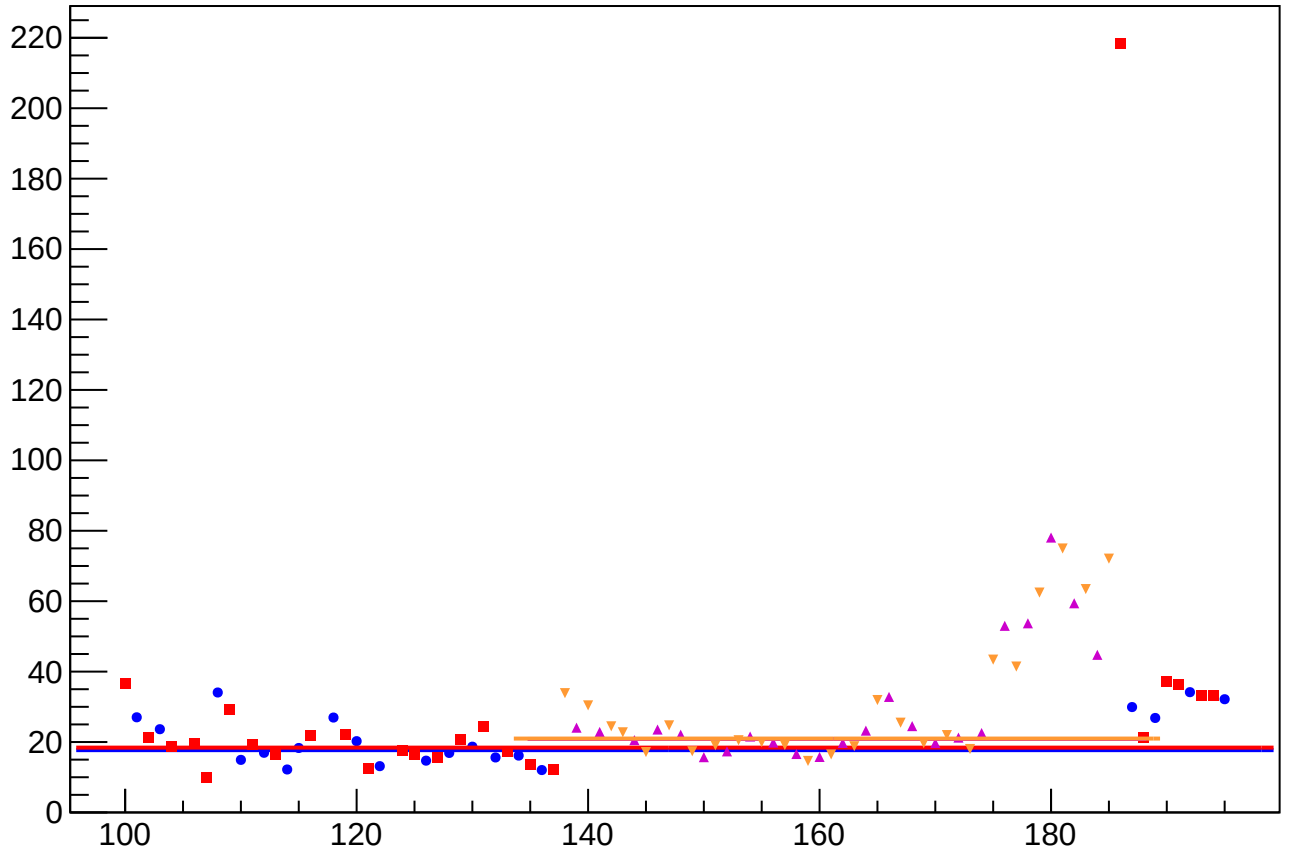
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

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: 86.9/92

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

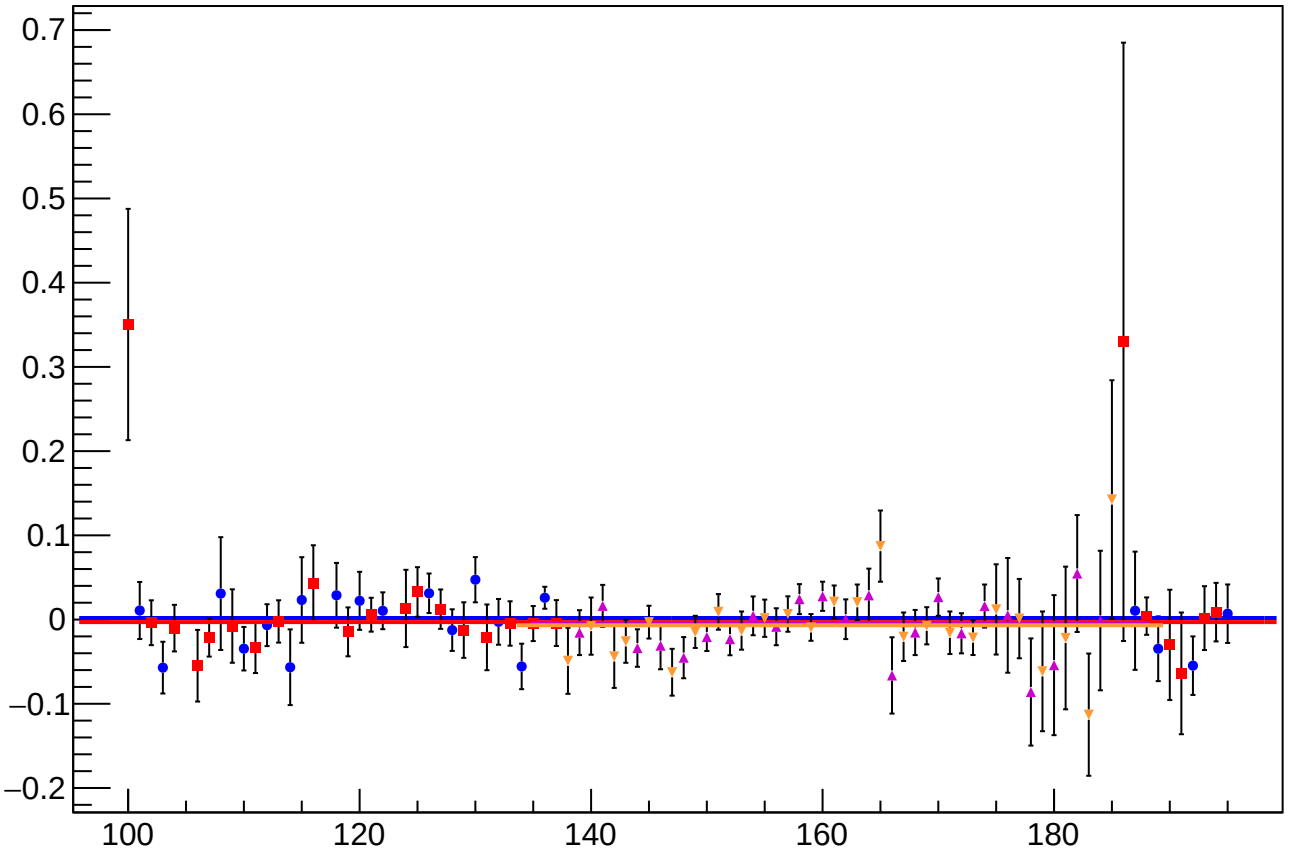
Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810147.0/44

All: 19.724+/-0.002 χ^2/NDF: 13140301.8/92

- sign 19.817+/-0.003 χ^2/NDF: 6328012.4/47



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

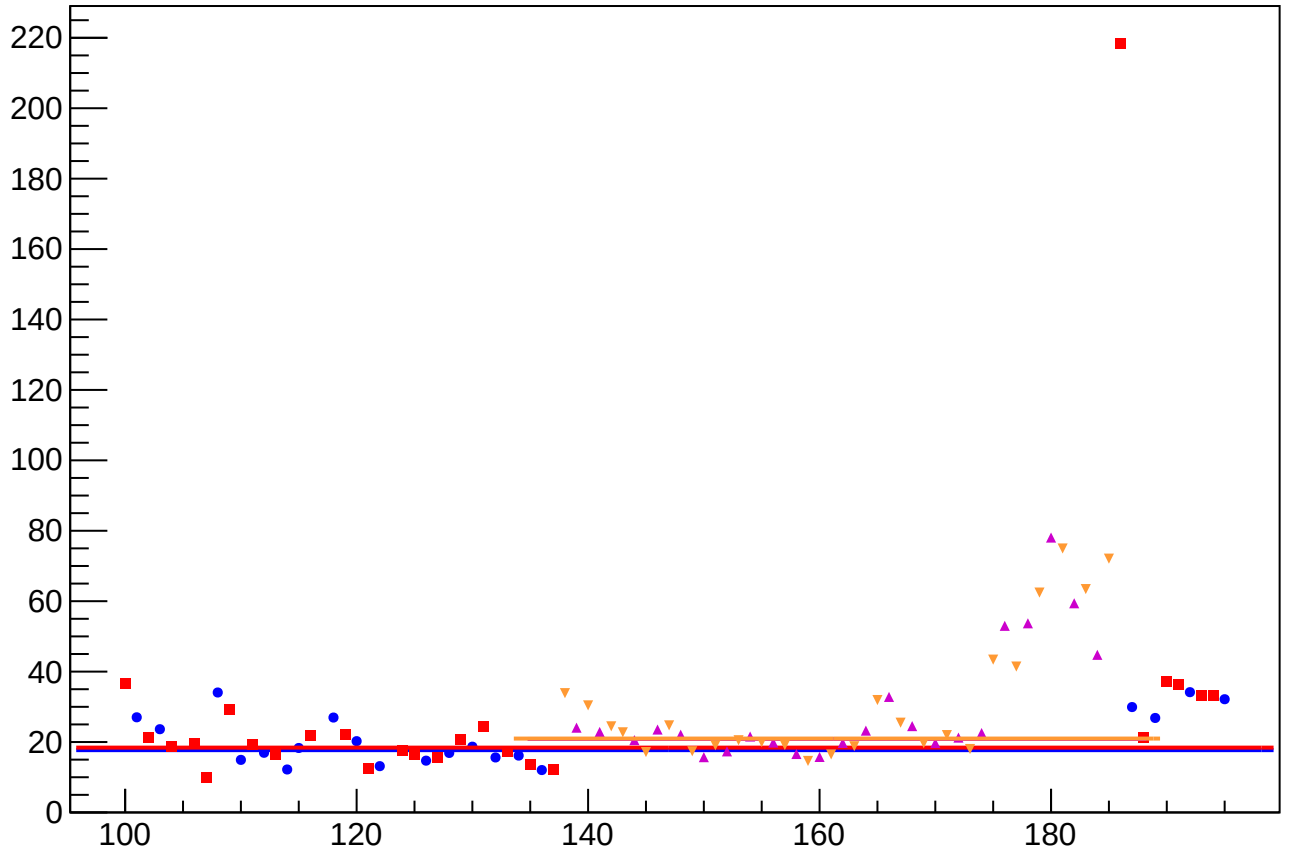
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

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: 86.9/92

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

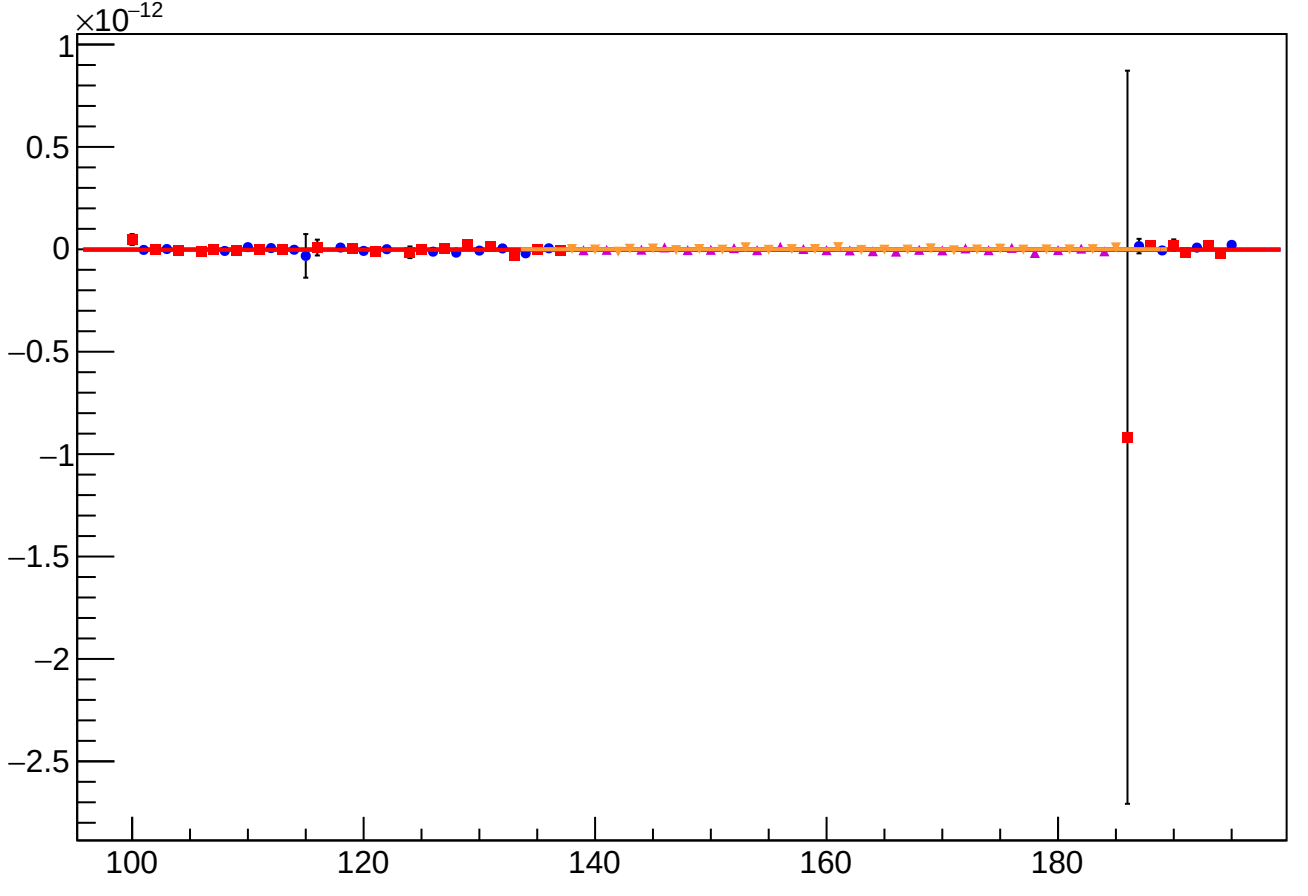
Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.632+/-0.003 χ^2/NDF: 6810147.0/44

All: 19.724+/-0.002 χ^2/NDF: 13140301.8/92

- sign 19.817+/-0.003 χ^2/NDF: 6328012.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

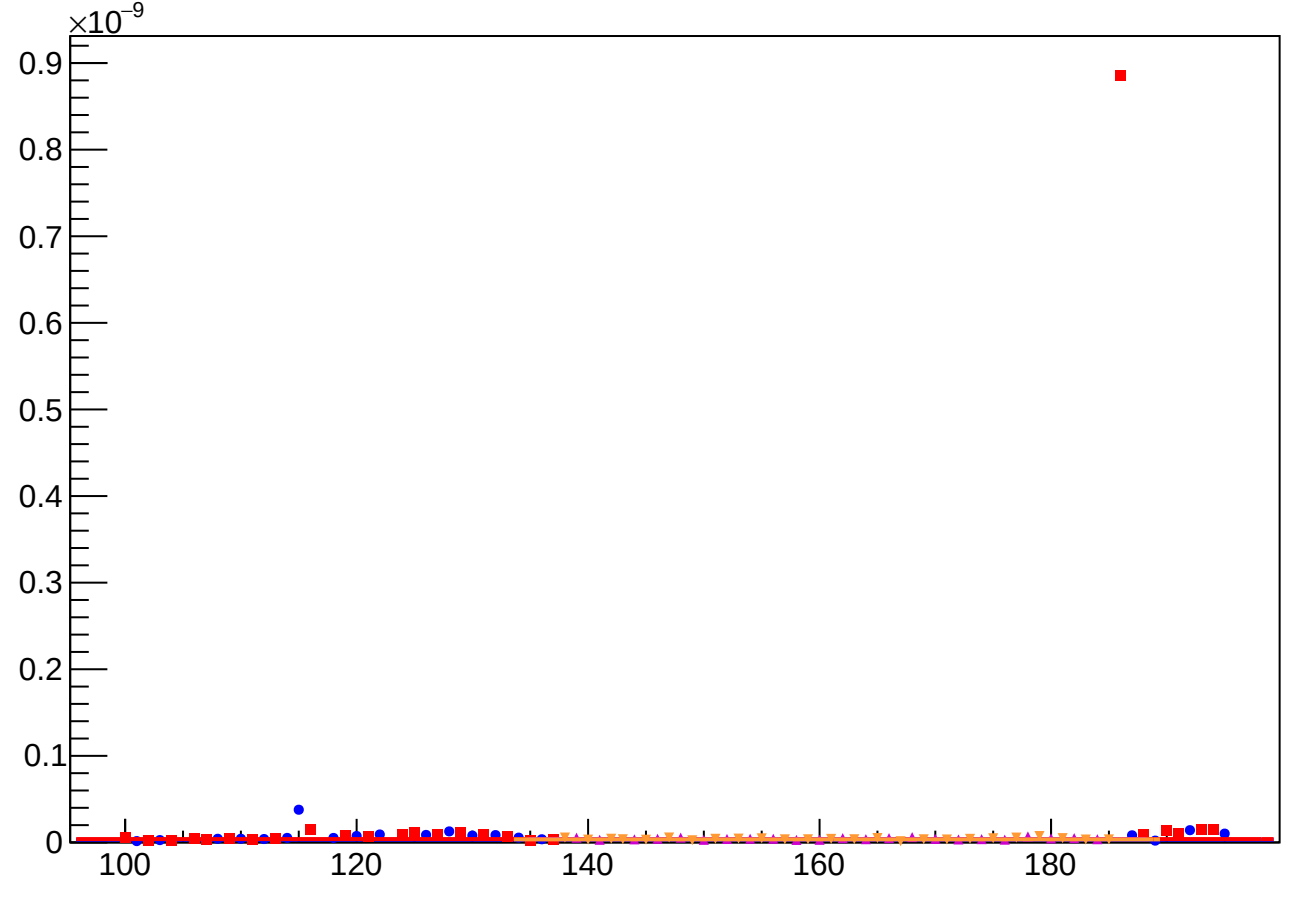
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/24

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: 78.5/92

- sign -0.000+/-0.000 χ^2/NDF: 47.5/47



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: 5082528.3/24

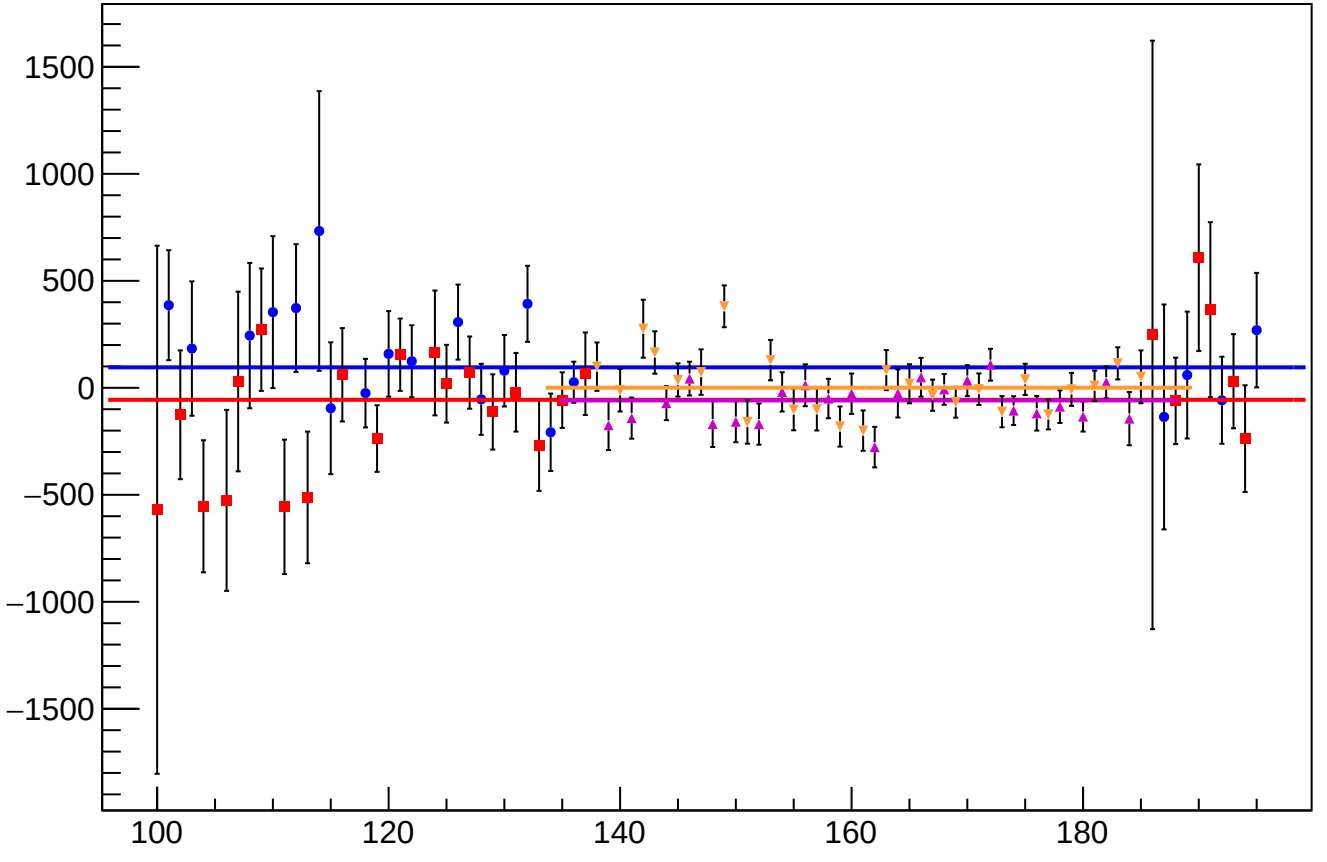
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6655429.0/44

All: 0.000+/-0.000 χ^2/NDF: 13217141.0/92

- sign 0.000+/-0.000 χ^2/NDF: 6281005.9/47

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: -56.112+/-45.455 χ^2/NDF: 20.3/24

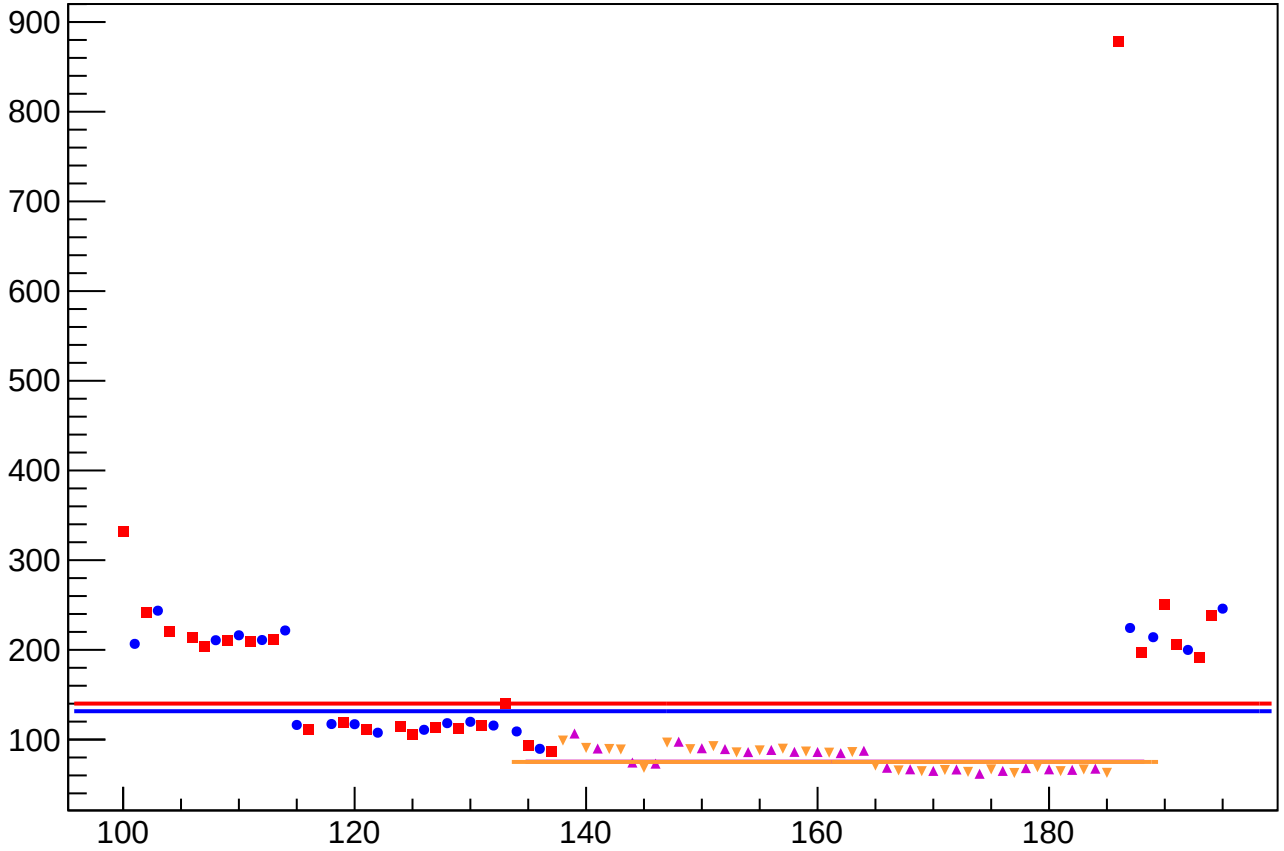
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.869+/-16.163 χ^2/NDF: 67.1/44

All: -21.798+/-11.593 χ^2/NDF: 122.7/92

- sign -58.532+/-16.638 χ^2/NDF: 46.1/47

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

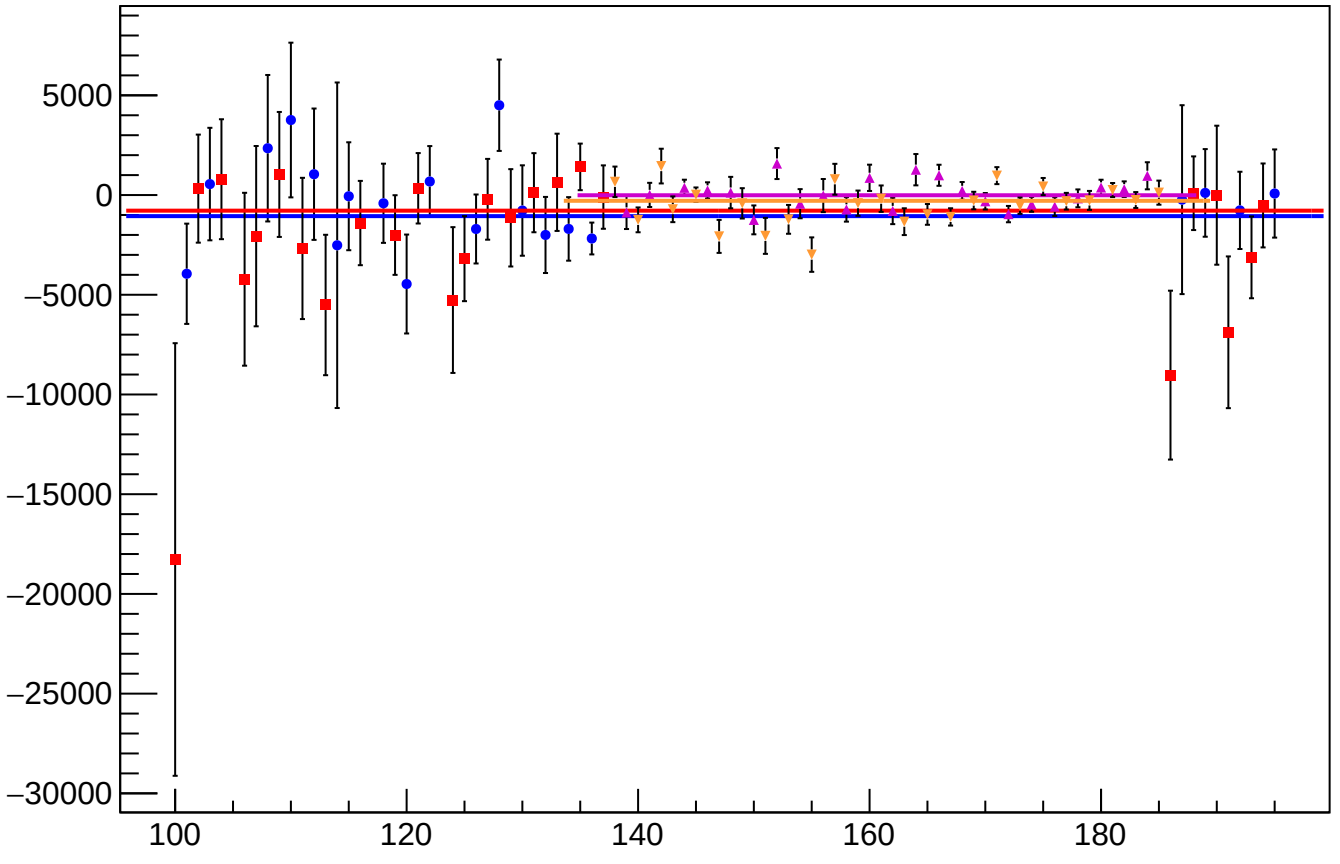
Right Out: 140.096+/-0.032 χ^2/NDF: 2949784.2/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867956.4/44

All: 83.158+/-0.008 χ^2/NDF: 13179890.6/92

- sign 84.027+/-0.012 χ^2/NDF: 7301346.3/47



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: -782.715+/-464.381 χ^2/NDF: 22.1/24

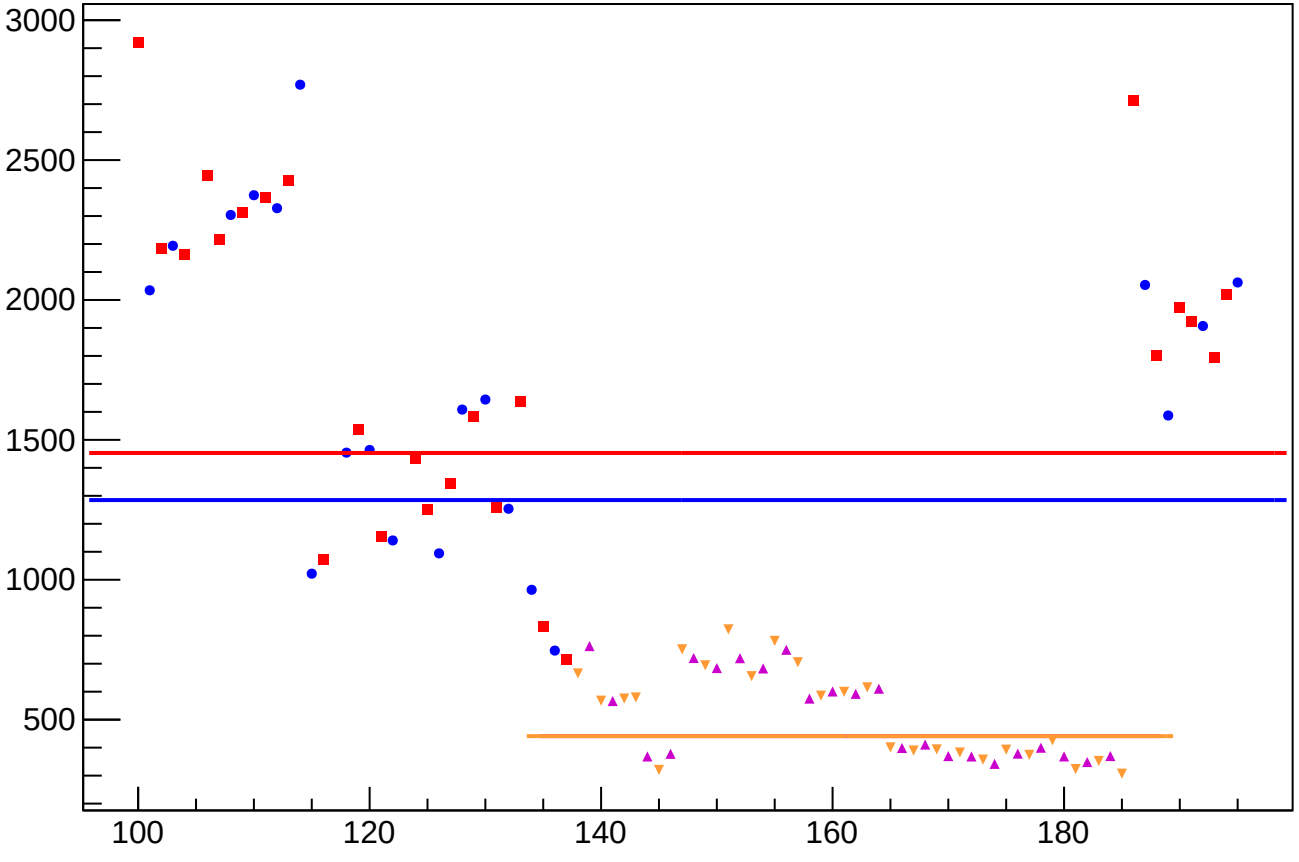
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

\+ sign -329.081+/-102.389 χ^2/NDF: 72.7/44

All: -192.918+/-73.267 χ^2/NDF: 134.5/92

\- sign -50.030+/-104.887 χ^2/NDF: 58.2/47

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: 1453.139+/-0.328 χ^2/NDF: 2594634.1/24

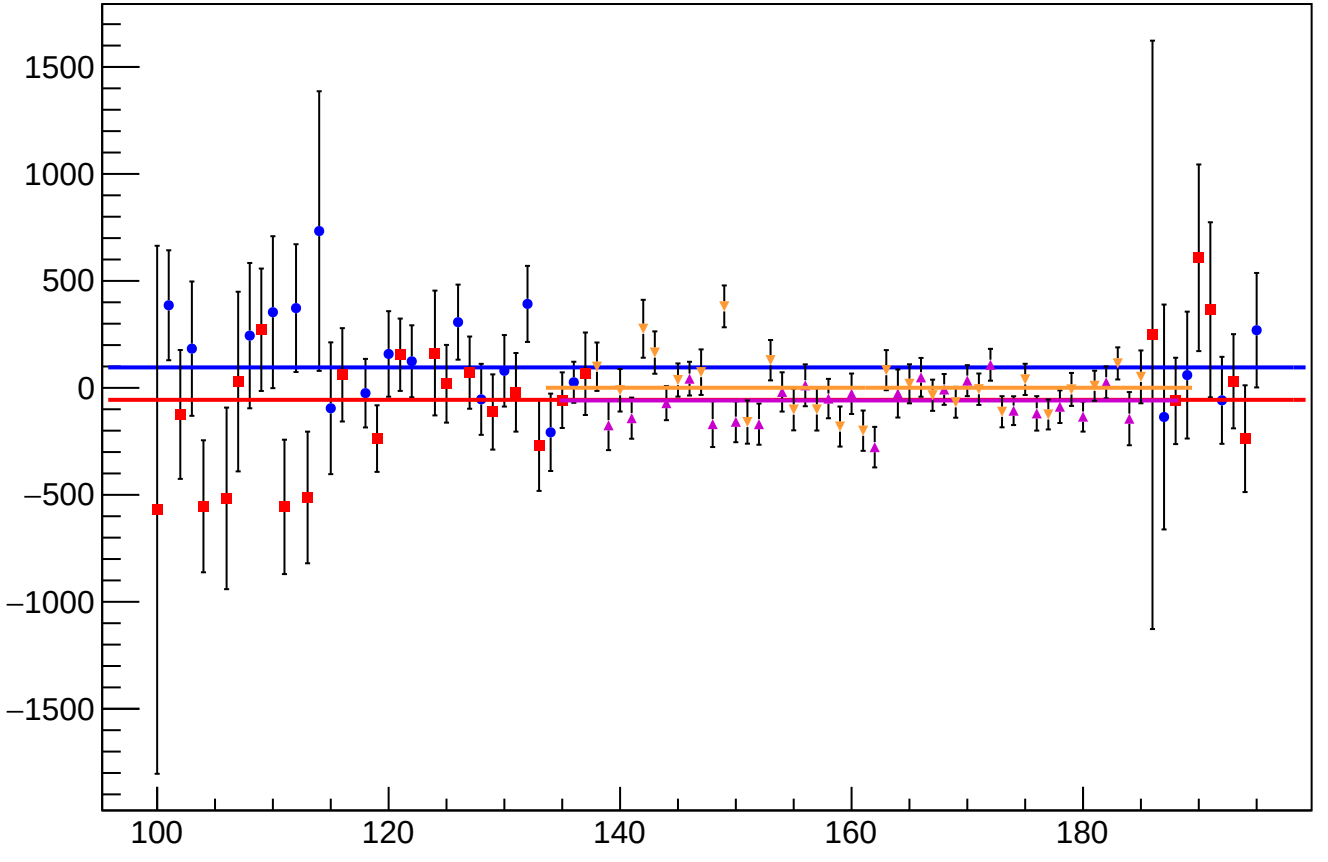
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755588.4/44

All: 489.371+/-0.052 χ^2/NDF: 27049183.9/92

- sign 492.820+/-0.074 χ^2/NDF: 14289372.9/47

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: -55.916+/-45.457 χ^2/NDF: 20.2/24

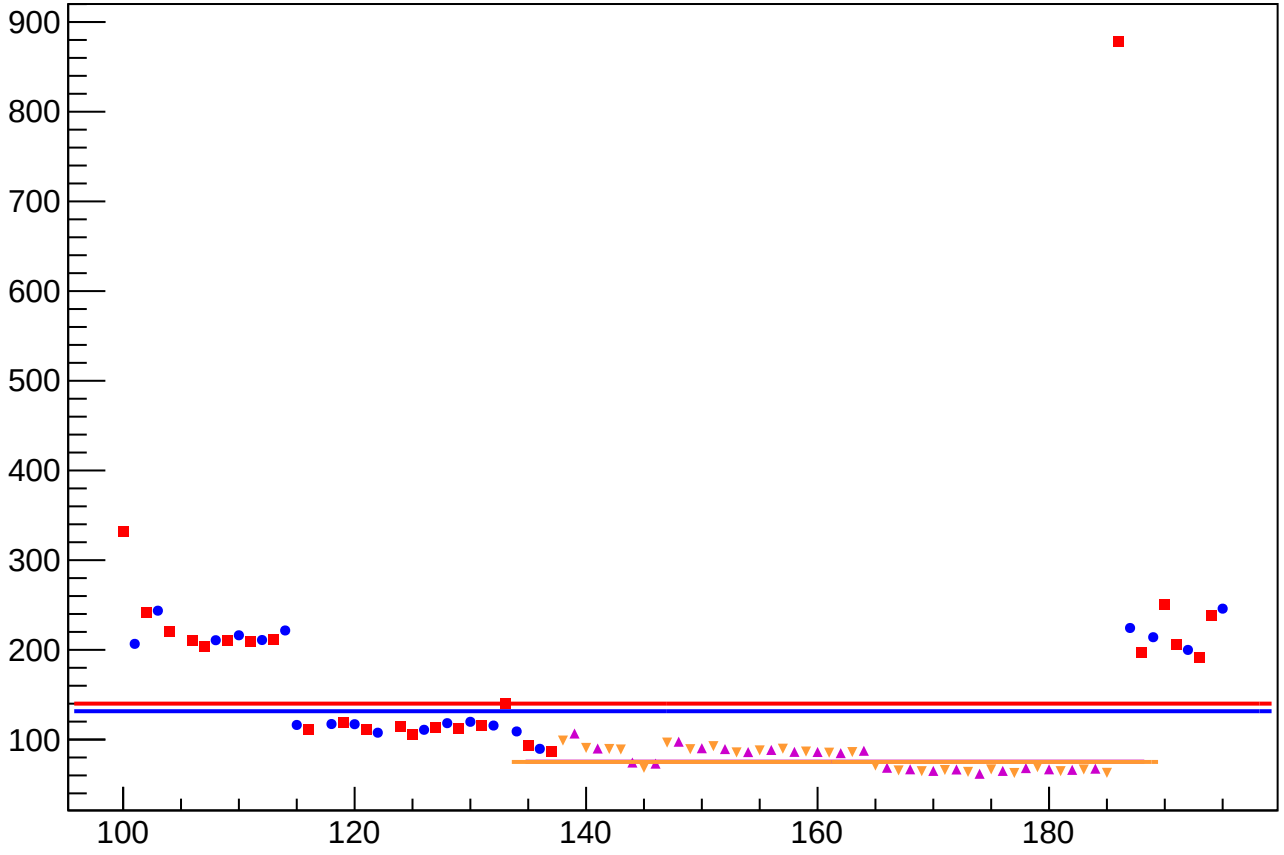
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.868+/-16.163 χ^2/NDF: 67.1/44

All: -21.785+/-11.593 χ^2/NDF: 122.6/92

- sign -58.504+/-16.638 χ^2/NDF: 46.1/47

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

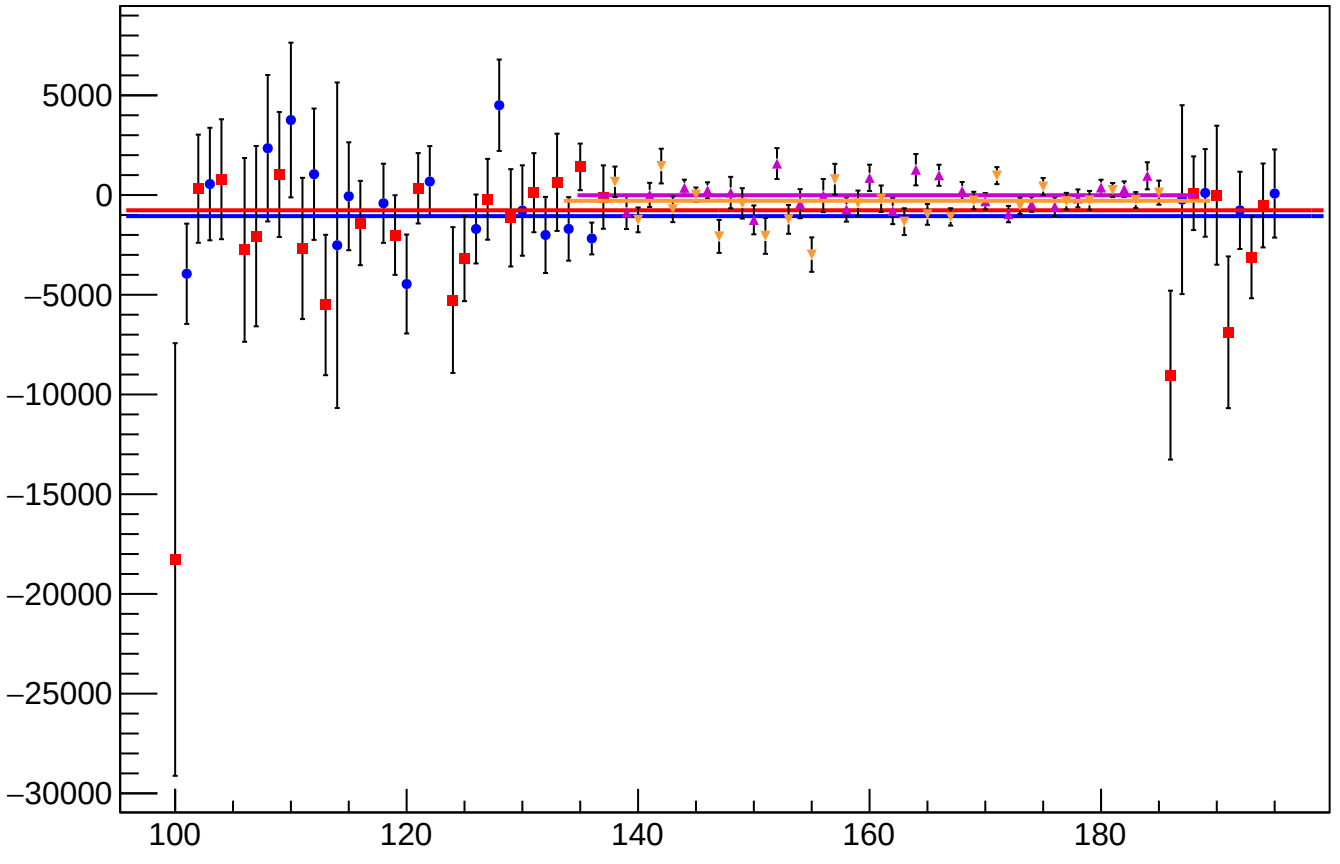
Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867958.3/44

All: 83.155+/-0.008 χ^2/NDF: 13169984.3/92

- sign 84.020+/-0.012 χ^2/NDF: 7291517.0/47



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: -763.392+/-464.696 χ^2/NDF: 21.7/24

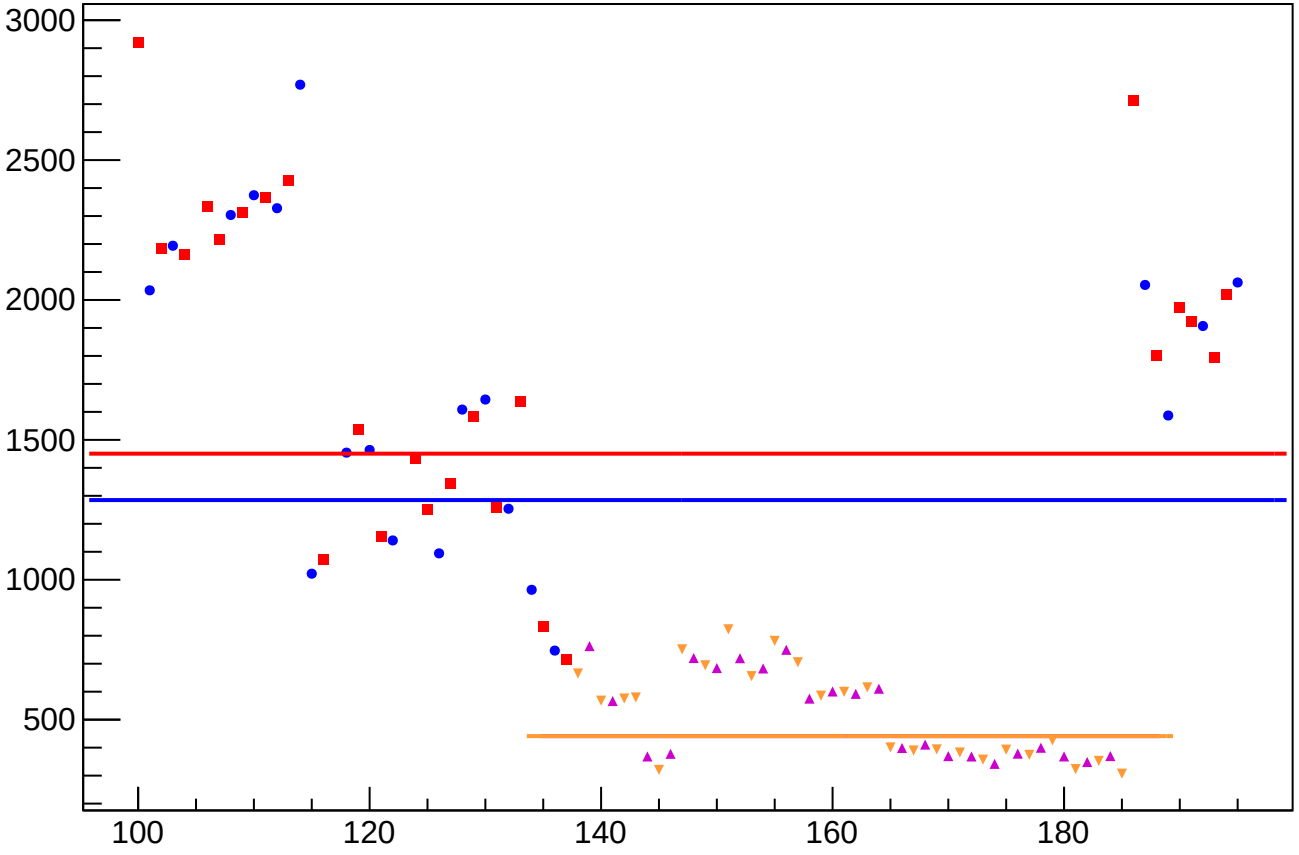
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.079+/-102.389 χ^2/NDF: 72.7/44

All: -192.417+/-73.269 χ^2/NDF: 134.0/92

- sign -48.996+/-104.891 χ^2/NDF: 57.6/47

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: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

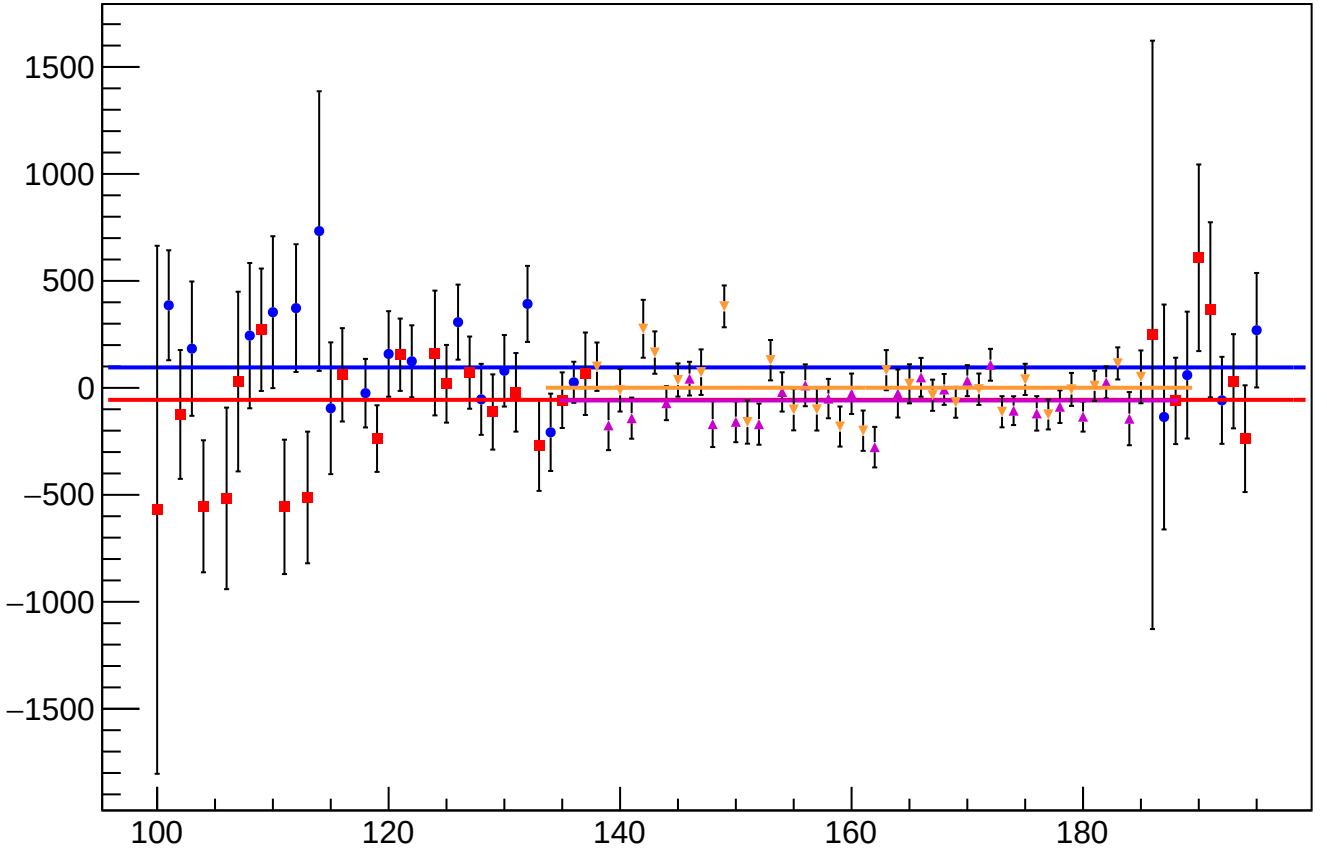
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755596.5/44

All: 489.279+/-0.052 χ^2/NDF: 26963572.8/92

- sign 492.631+/-0.074 χ^2/NDF: 14203987.4/47

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: -55.916+/-45.457 χ^2/NDF: 20.2/24

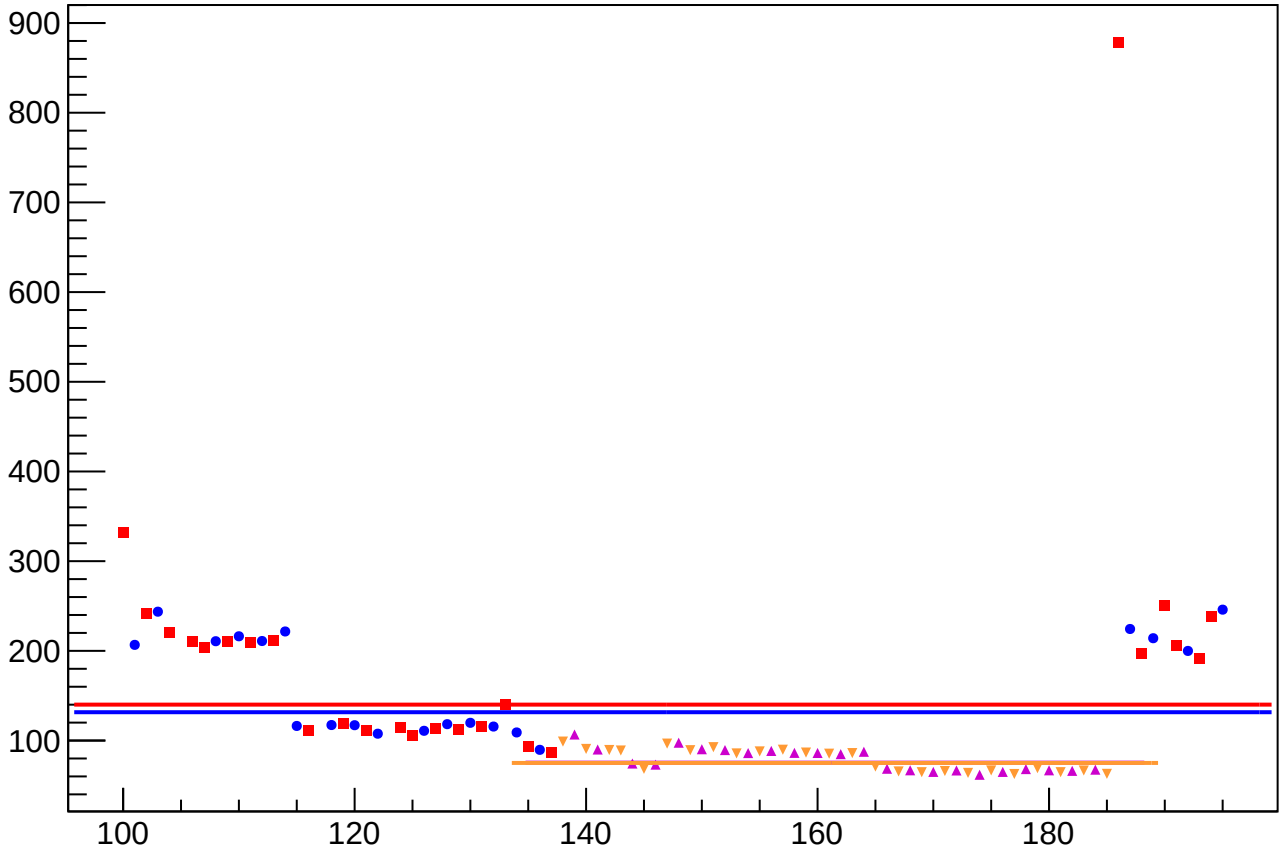
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.868+/-16.163 χ^2/NDF: 67.1/44

All: -21.785+/-11.593 χ^2/NDF: 122.6/92

- sign -58.504+/-16.638 χ^2/NDF: 46.1/47

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

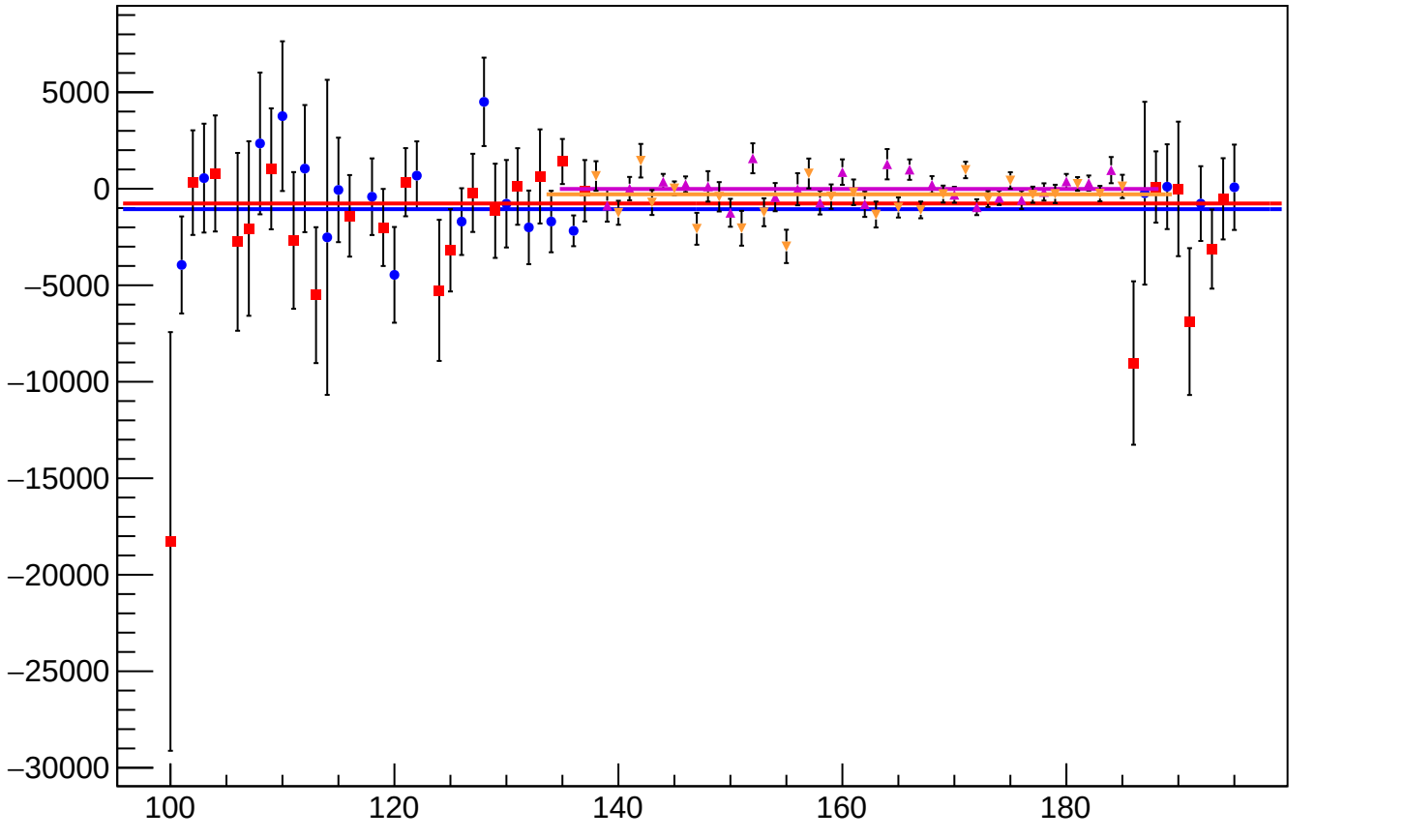
Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.339+/-0.011 χ^2/NDF: 5867958.3/44

All: 83.155+/-0.008 χ^2/NDF: 13169984.3/92

- sign 84.020+/-0.012 χ^2/NDF: 7291517.0/47



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: -763.392+/-464.696 χ^2/NDF: 21.7/24

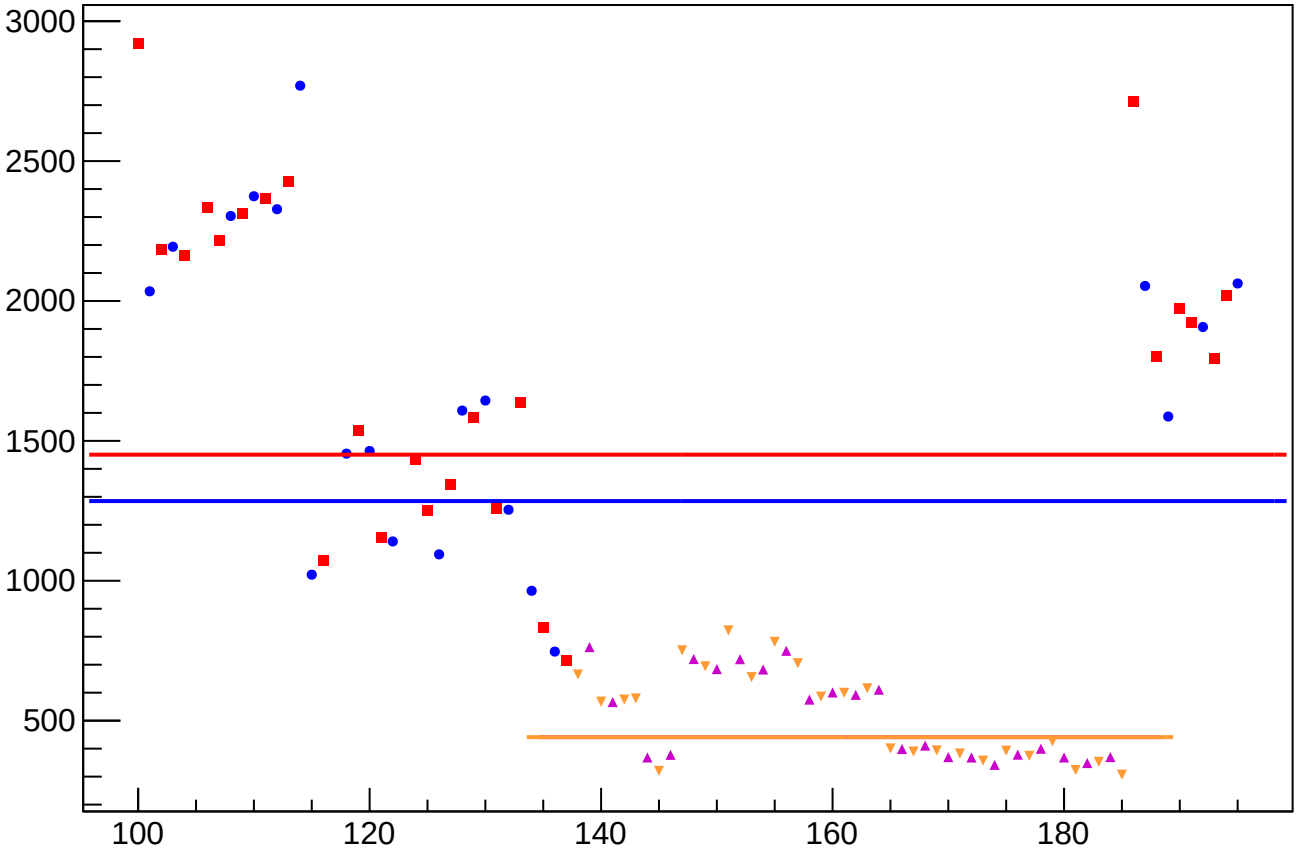
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.079+/-102.389 χ^2/NDF: 72.7/44

All: -192.417+/-73.269 χ^2/NDF: 134.0/92

- sign -48.996+/-104.891 χ^2/NDF: 57.6/47

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: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

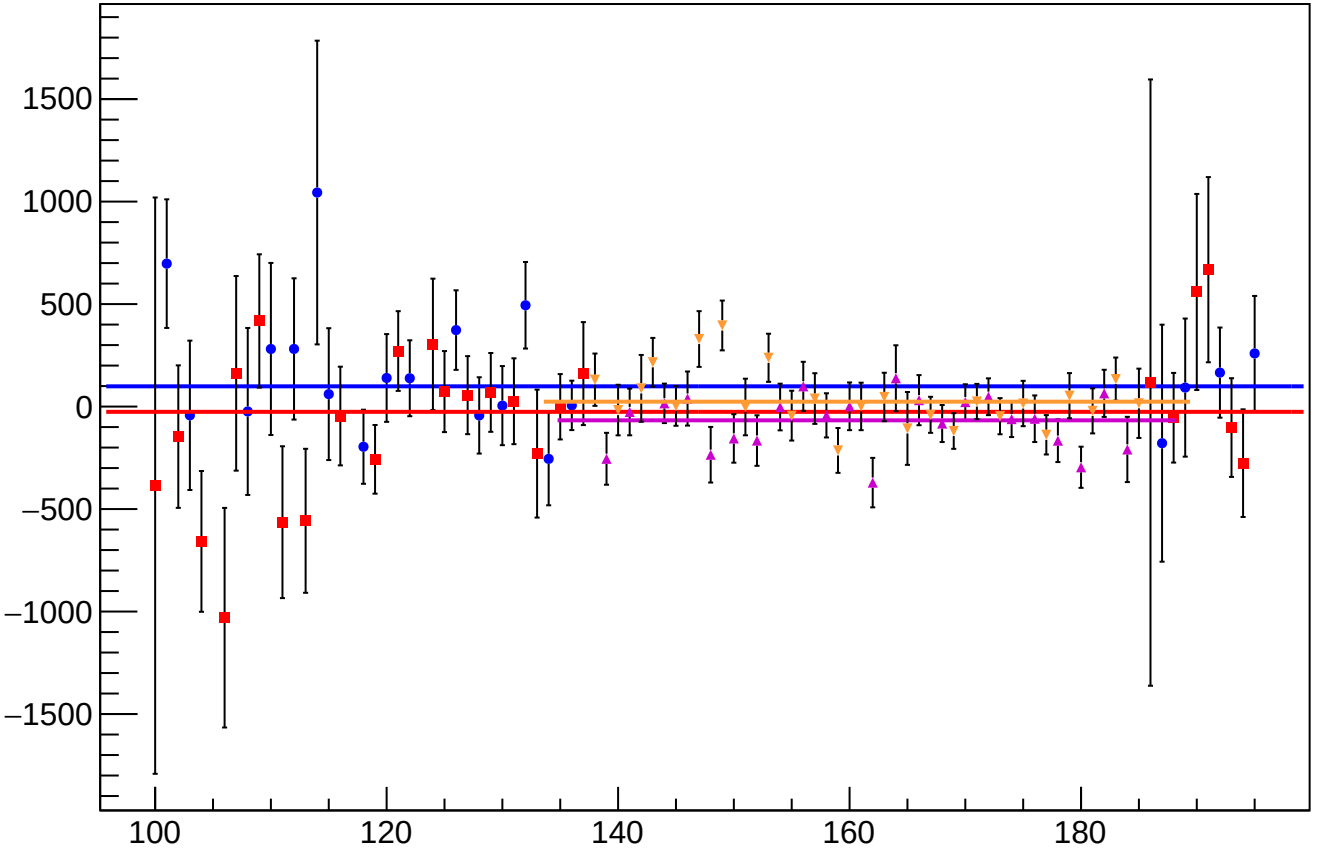
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 486.085+/-0.072 χ^2/NDF: 12755596.5/44

All: 489.279+/-0.052 χ^2/NDF: 26963572.8/92

- sign 492.631+/-0.074 χ^2/NDF: 14203987.4/47

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: -25.664+/-51.988 χ^2/NDF: 25.4/24

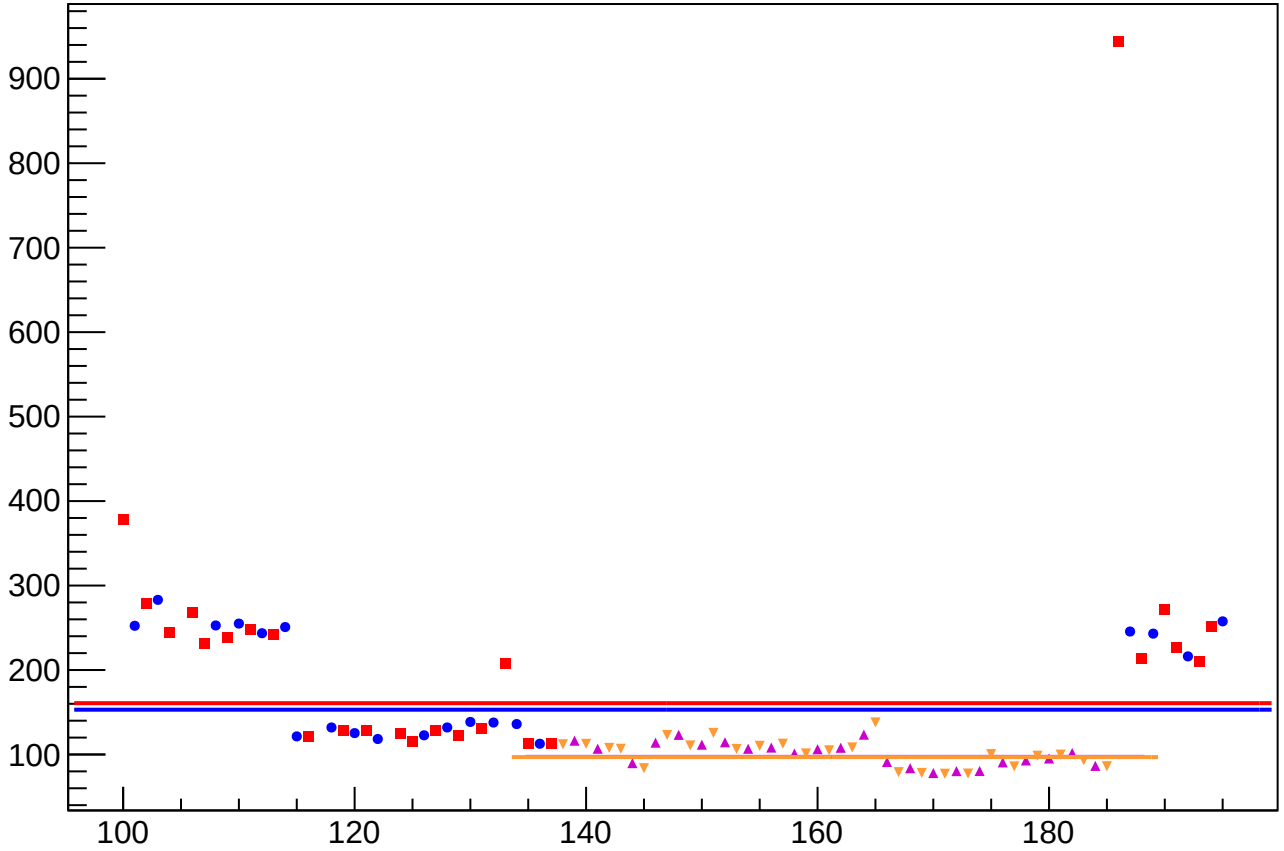
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 35.586+/-20.587 χ^2/NDF: 55.7/44

All: -11.091+/-14.744 χ^2/NDF: 120.8/92

- sign -60.246+/-21.126 χ^2/NDF: 54.6/47

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

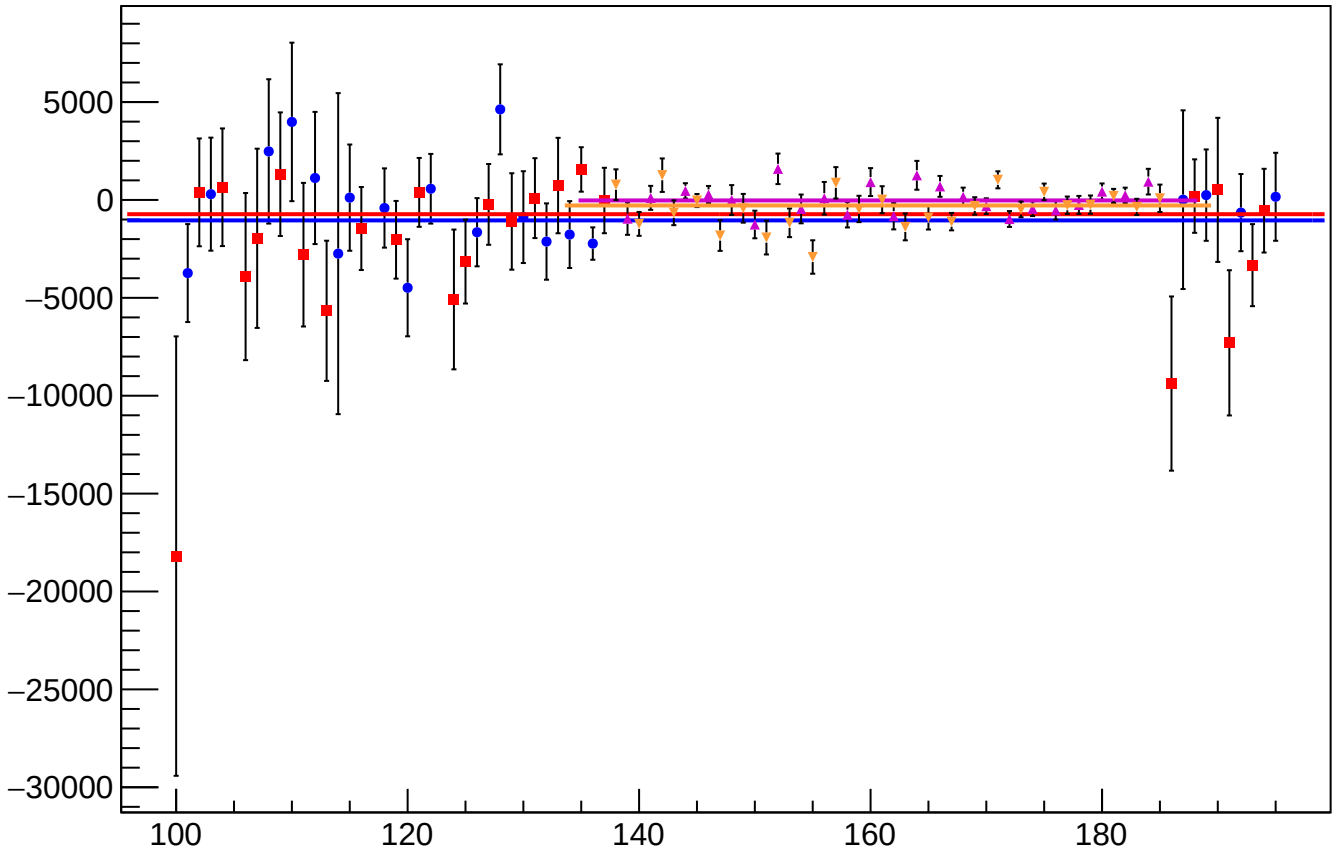
Right Out: 160.750+/-0.037 χ^2/NDF: 2787883.1/24

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 105.685+/-0.015 χ^2/NDF: 4879214.8/44

All: 106.650+/-0.010 χ^2/NDF: 10848301.2/92

- sign 107.667+/-0.015 χ^2/NDF: 5960060.9/47



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: -727.721+/-467.686 χ^2/NDF: 23.4/24

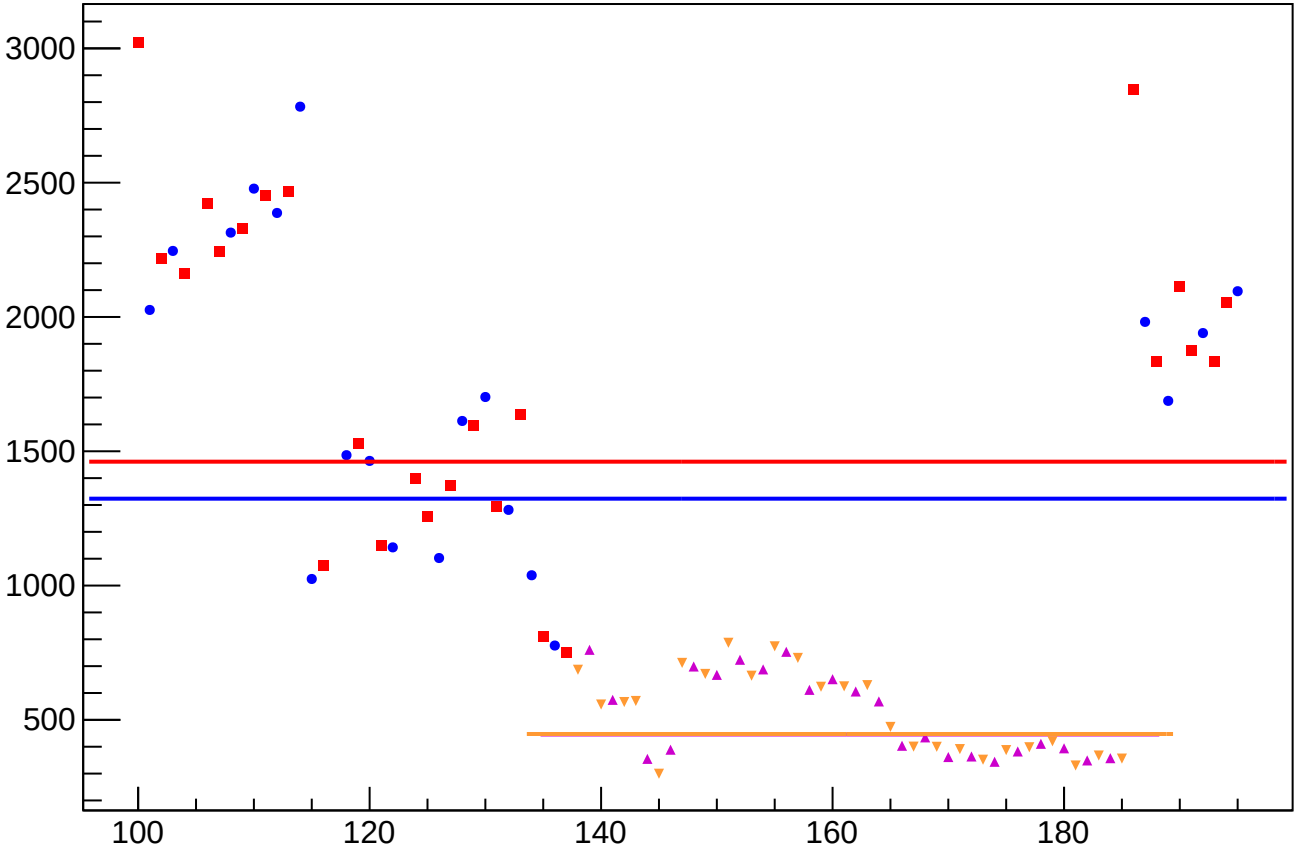
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -321.932+/-103.601 χ^2/NDF: 69.8/44

All: -194.401+/-74.107 χ^2/NDF: 131.5/92

- sign -60.775+/-106.048 χ^2/NDF: 58.5/47

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: 1461.256+/-0.331 χ^2/NDF: 2692050.8/24

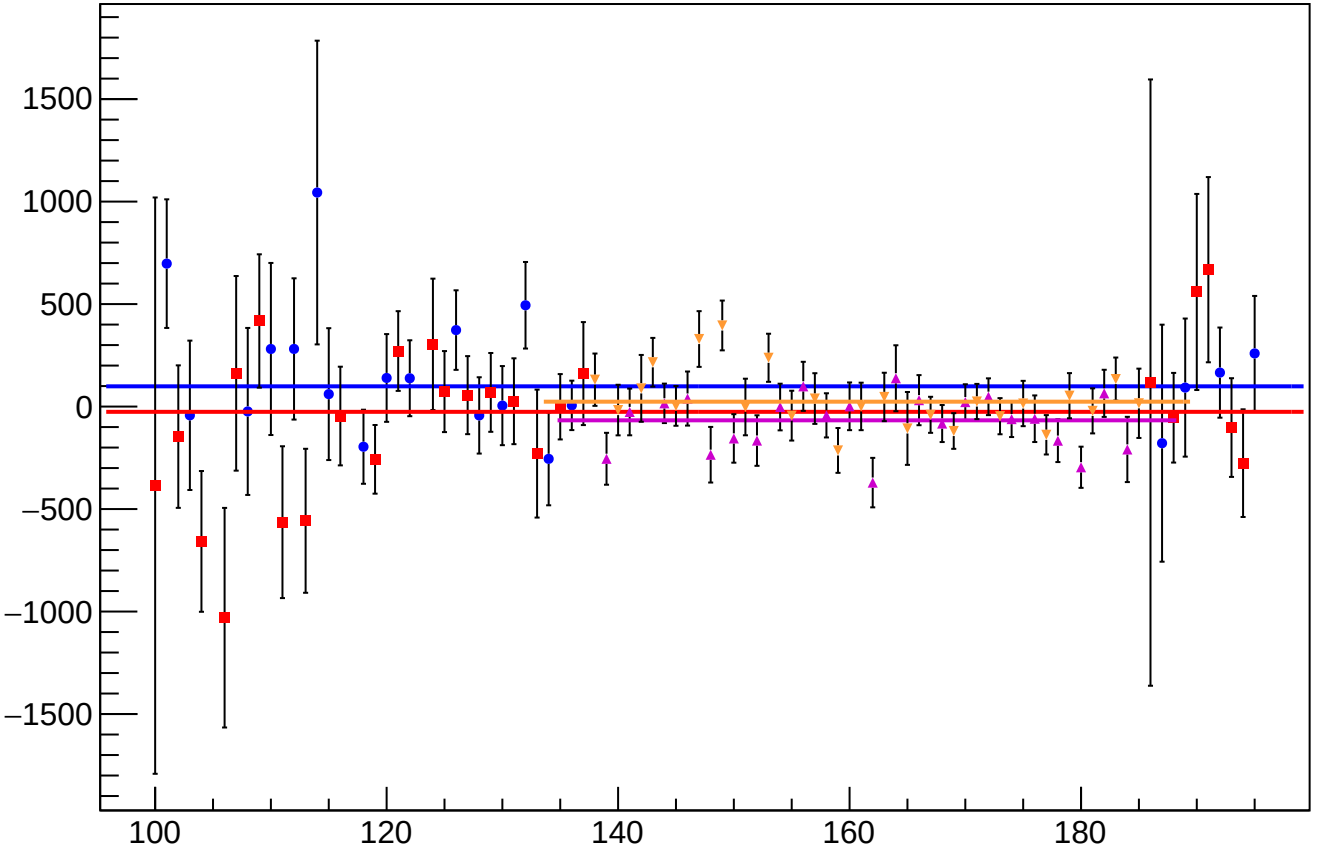
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 492.790+/-0.073 χ^2/NDF: 12789084.5/44

All: 495.196+/-0.052 χ^2/NDF: 27145834.5/92

- sign 497.717+/-0.075 χ^2/NDF: 14354541.3/47

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: -25.664+/-51.987 χ^2/NDF: 25.4/24

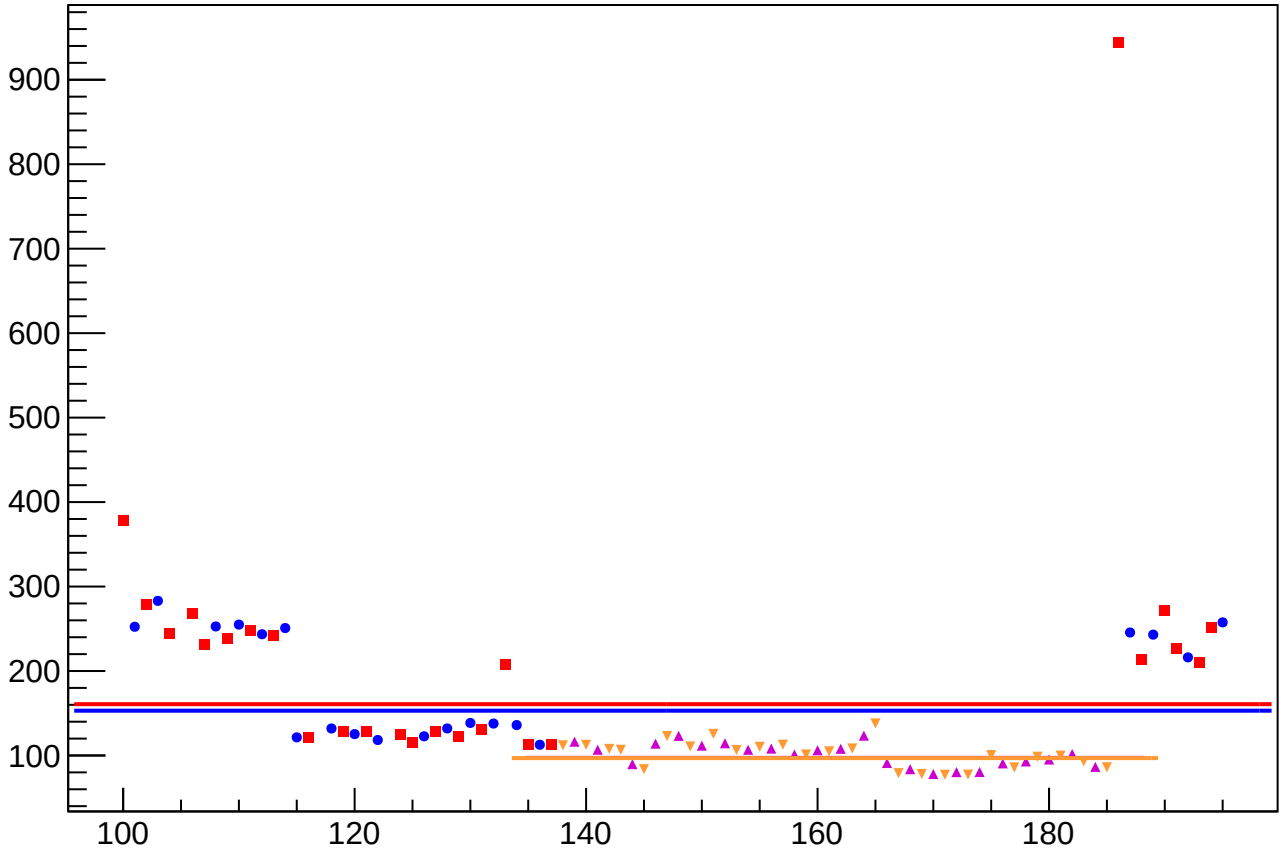
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 35.585+/-20.587 χ^2/NDF: 55.7/44

All: -11.091+/-14.744 χ^2/NDF: 120.8/92

- sign -60.245+/-21.126 χ^2/NDF: 54.6/47

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

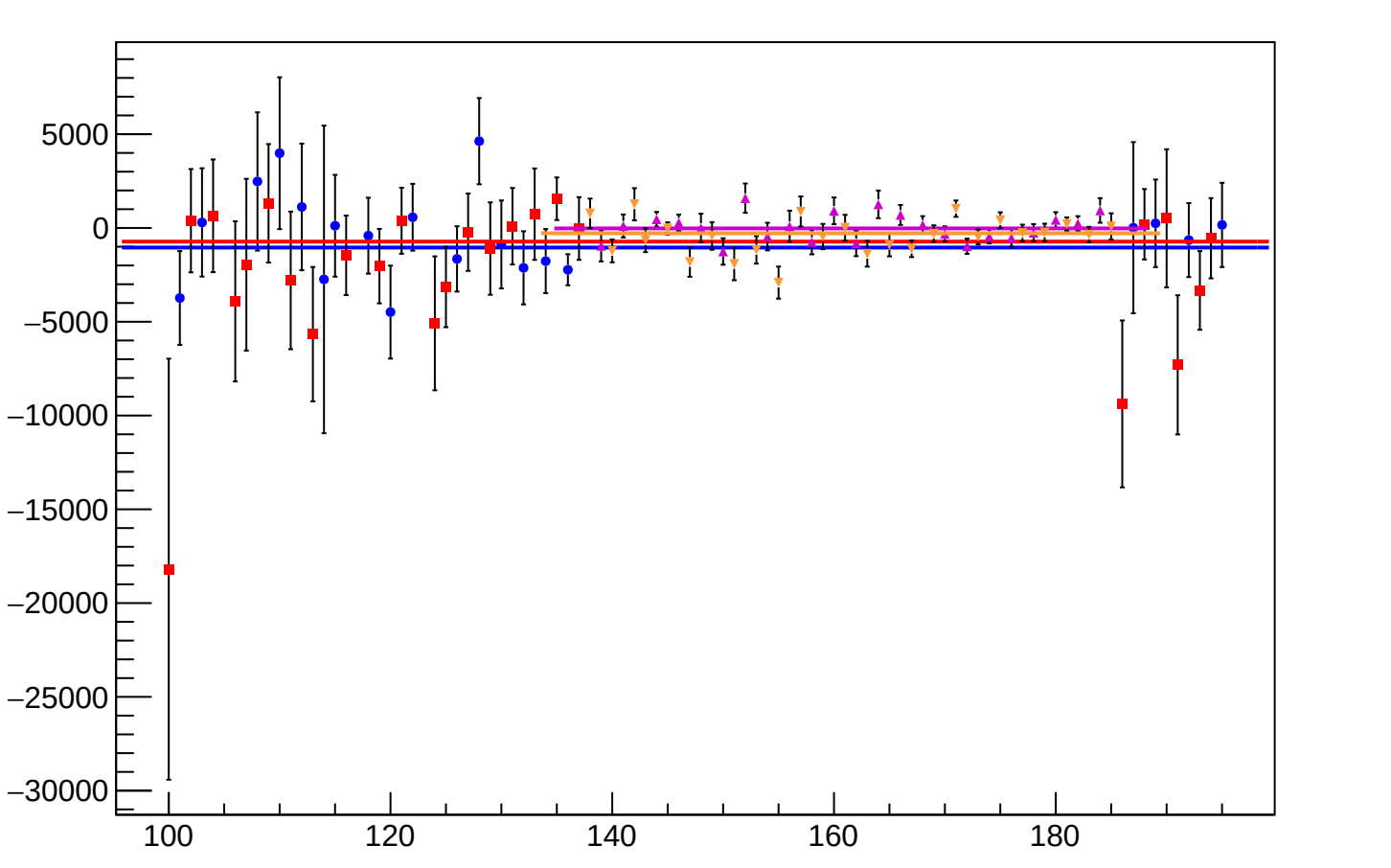
Right Out: 160.749+/-0.037 χ^2/NDF: 2787877.0/24

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 105.685+/-0.015 χ^2/NDF: 4879157.8/44

All: 106.651+/-0.010 χ^2/NDF: 10848178.6/92

- sign 107.667+/-0.015 χ^2/NDF: 5959994.3/47



Right In: -1044.782+/-455.085 χ^2/NDF: 16.7/19

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

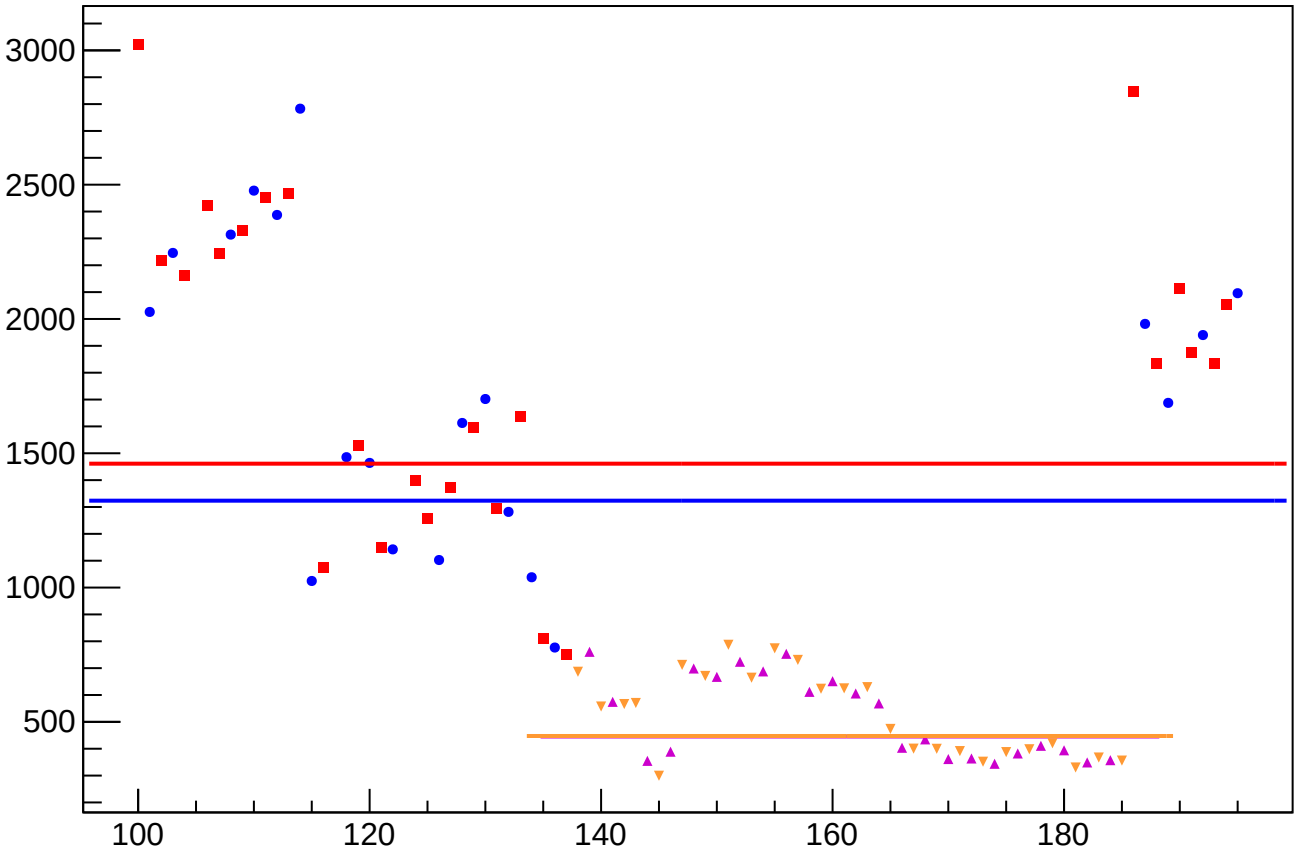
Right Out: -727.723+/-467.685 χ^2/NDF: 23.4/24

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -321.931+/-103.600 χ^2/NDF: 69.8/44

All: -194.401+/-74.107 χ^2/NDF: 131.5/92

- sign -60.776+/-106.047 χ^2/NDF: 58.5/47



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: 1461.255+/-0.331 χ^2/NDF: 2692036.5/24

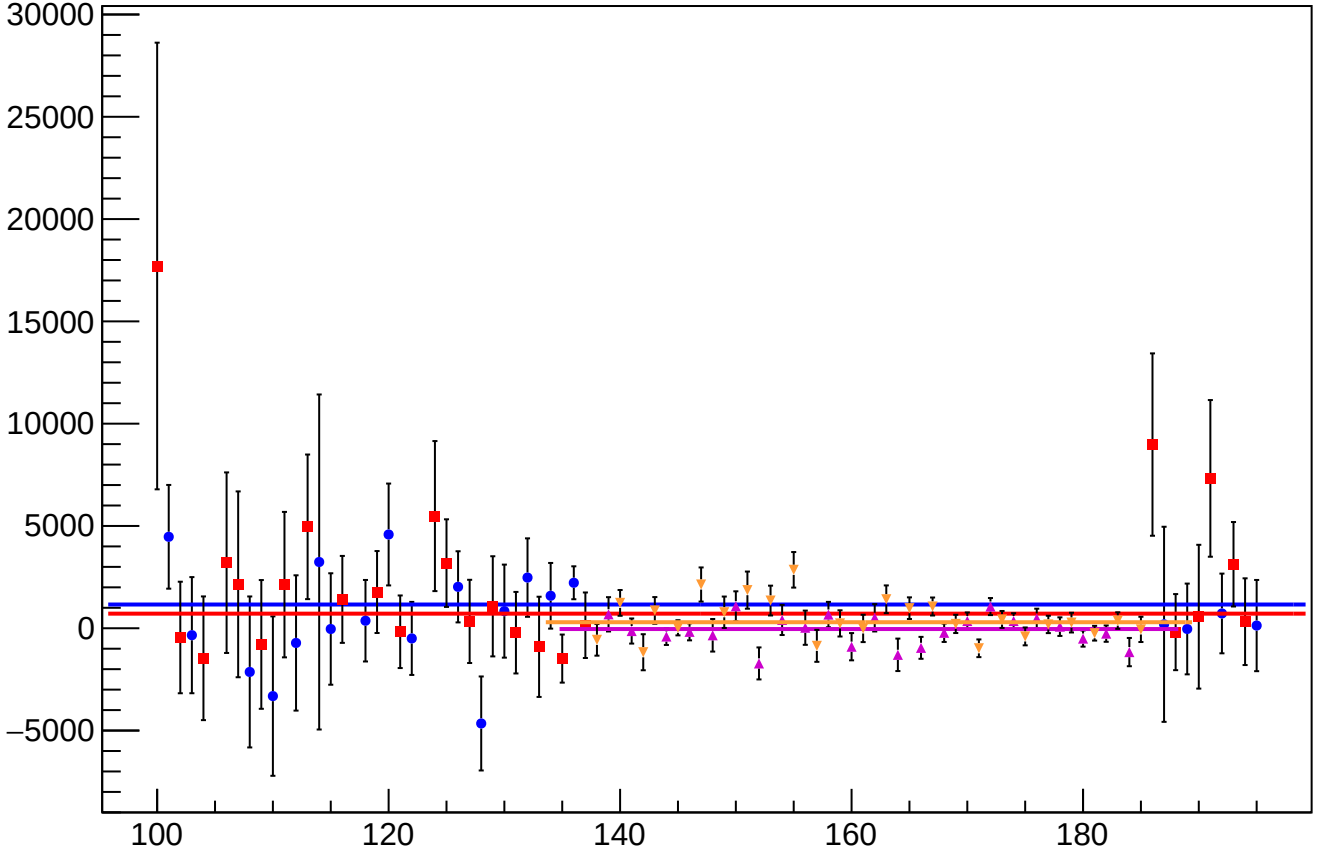
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 492.790+/-0.073 χ^2/NDF: 12789099.0/44

All: 495.196+/-0.052 χ^2/NDF: 27145851.8/92

- sign 497.717+/-0.075 χ^2/NDF: 14354543.9/47

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: 713.550+/-467.223 χ^2/NDF: 21.4/24

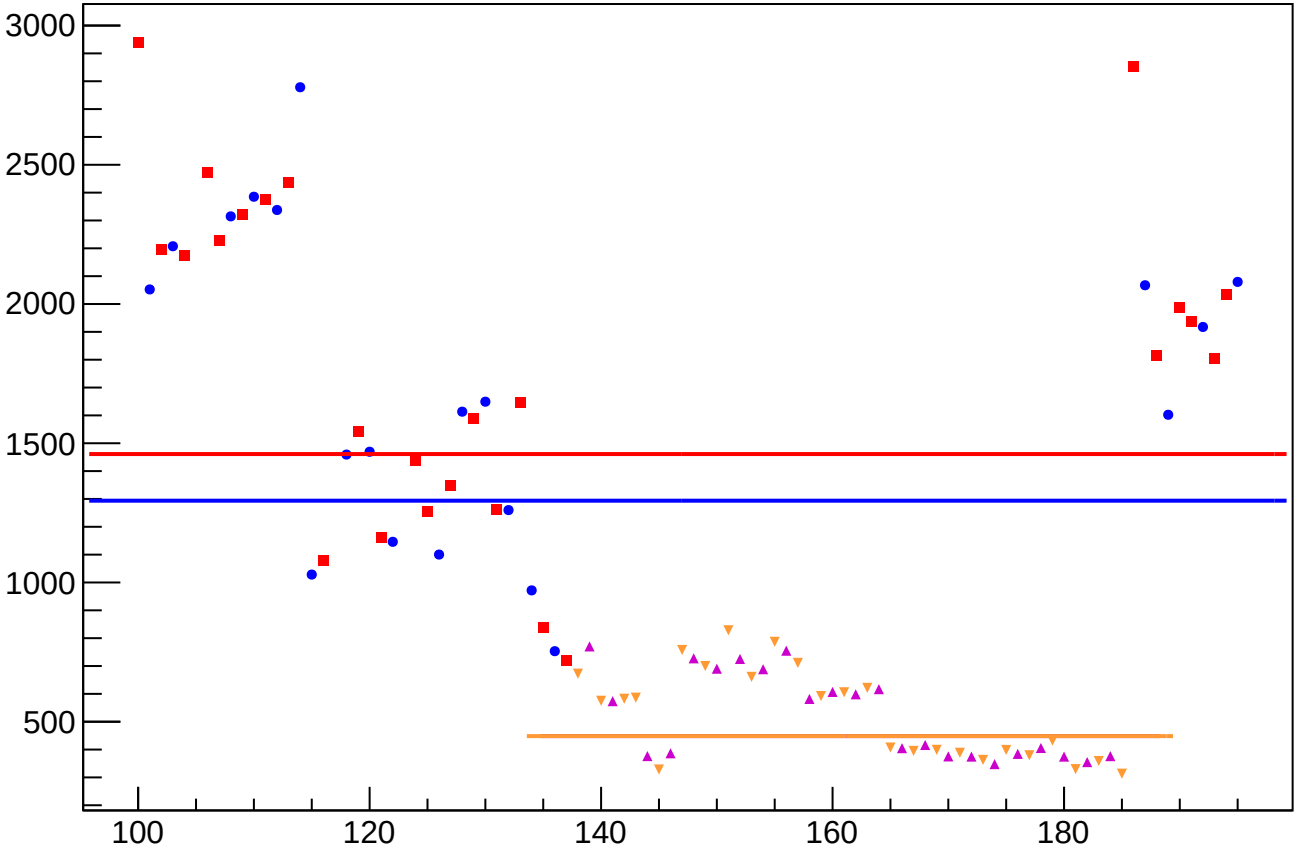
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 341.858+/-103.878 χ^2/NDF: 71.2/44

All: 175.535+/-74.343 χ^2/NDF: 133.3/92

- sign 0.904+/-106.441 χ^2/NDF: 56.8/47

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

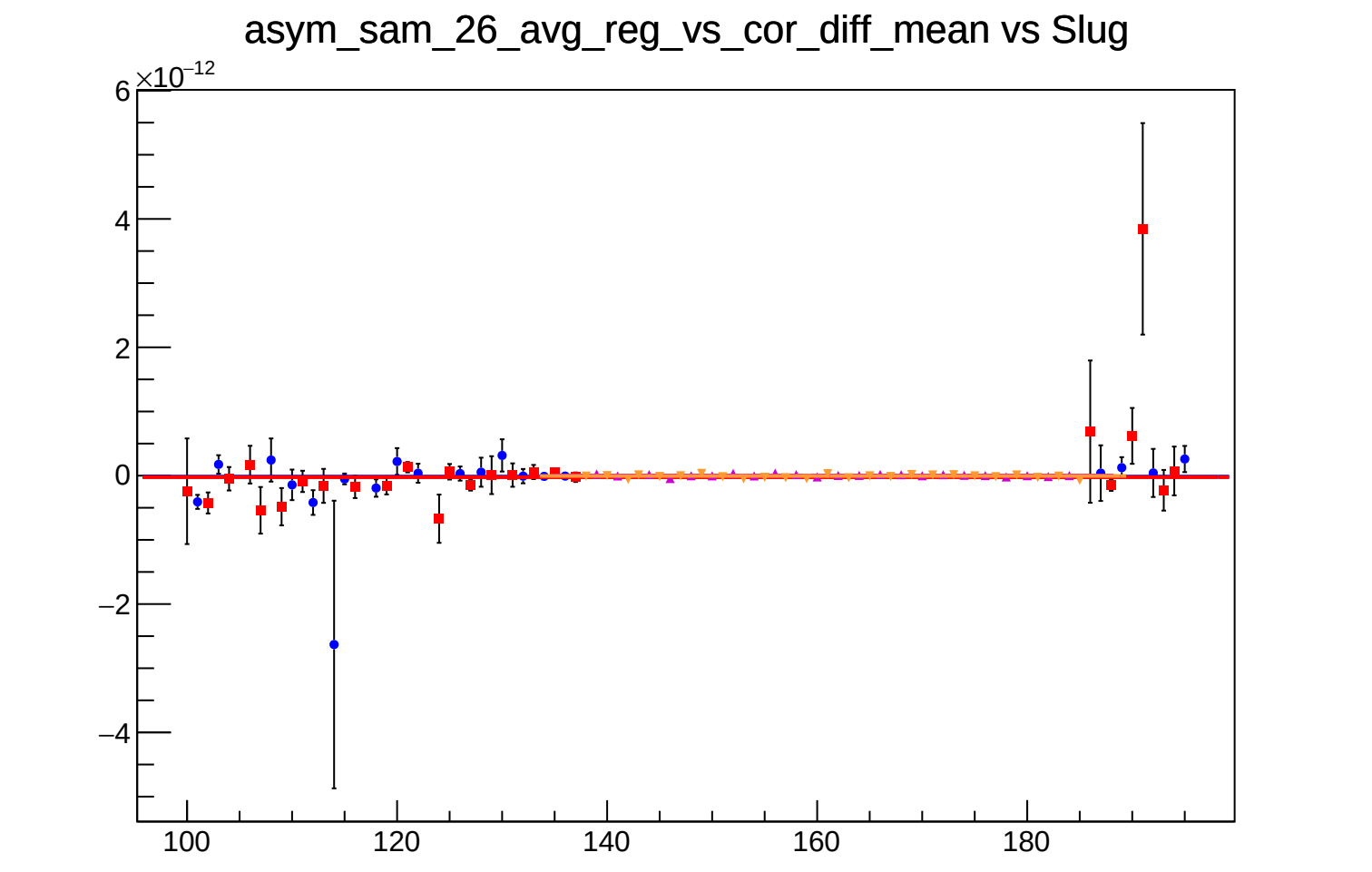
Right Out: 1461.211+/-0.330 χ^2/NDF: 2611187.7/24

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 494.049+/-0.073 χ^2/NDF: 12599293.3/44

All: 497.422+/-0.053 χ^2/NDF: 26745893.2/92

- sign 500.962+/-0.075 χ^2/NDF: 14142279.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

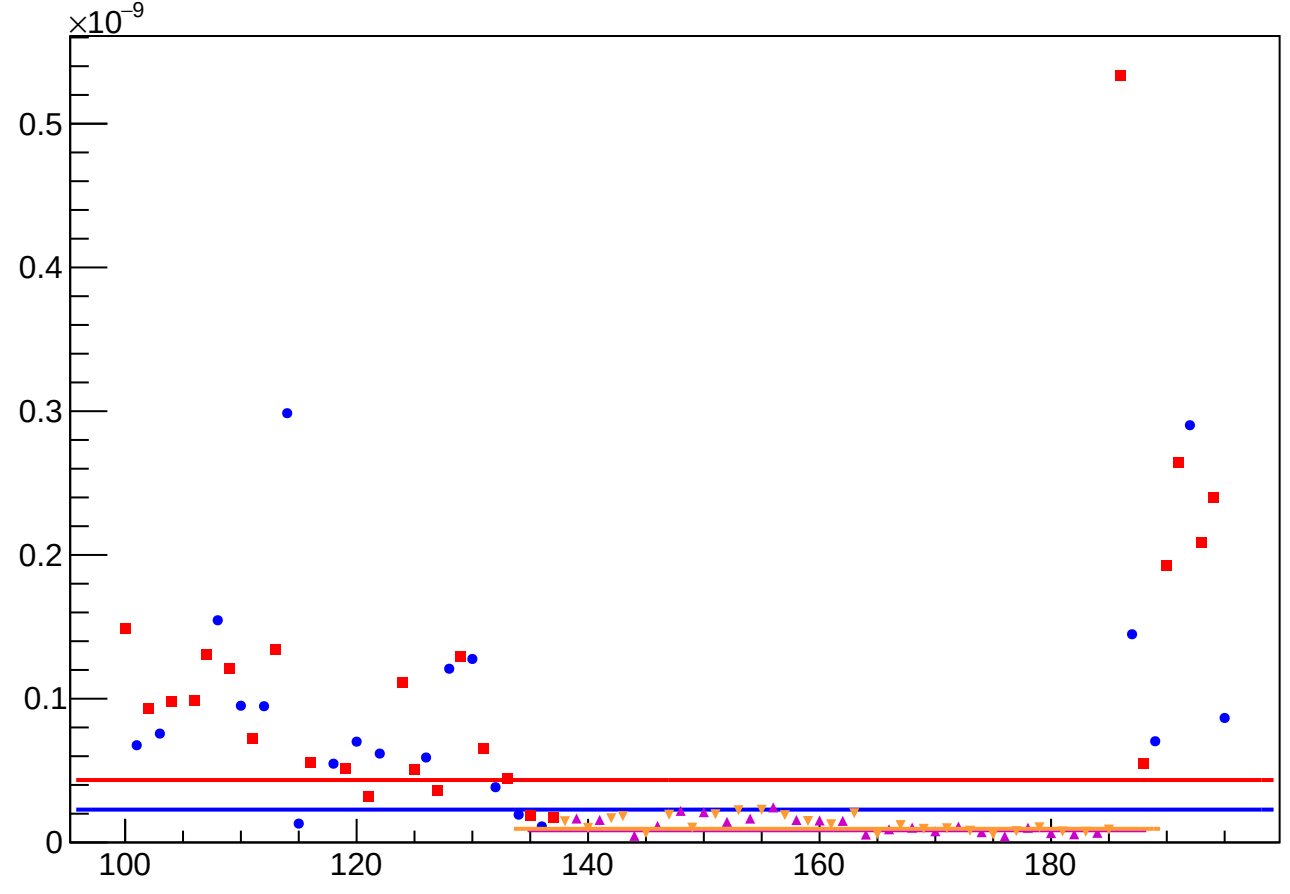
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/24

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: 109.3/92

- sign 0.000+/-0.000 χ^2/NDF: 54.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 4944597.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

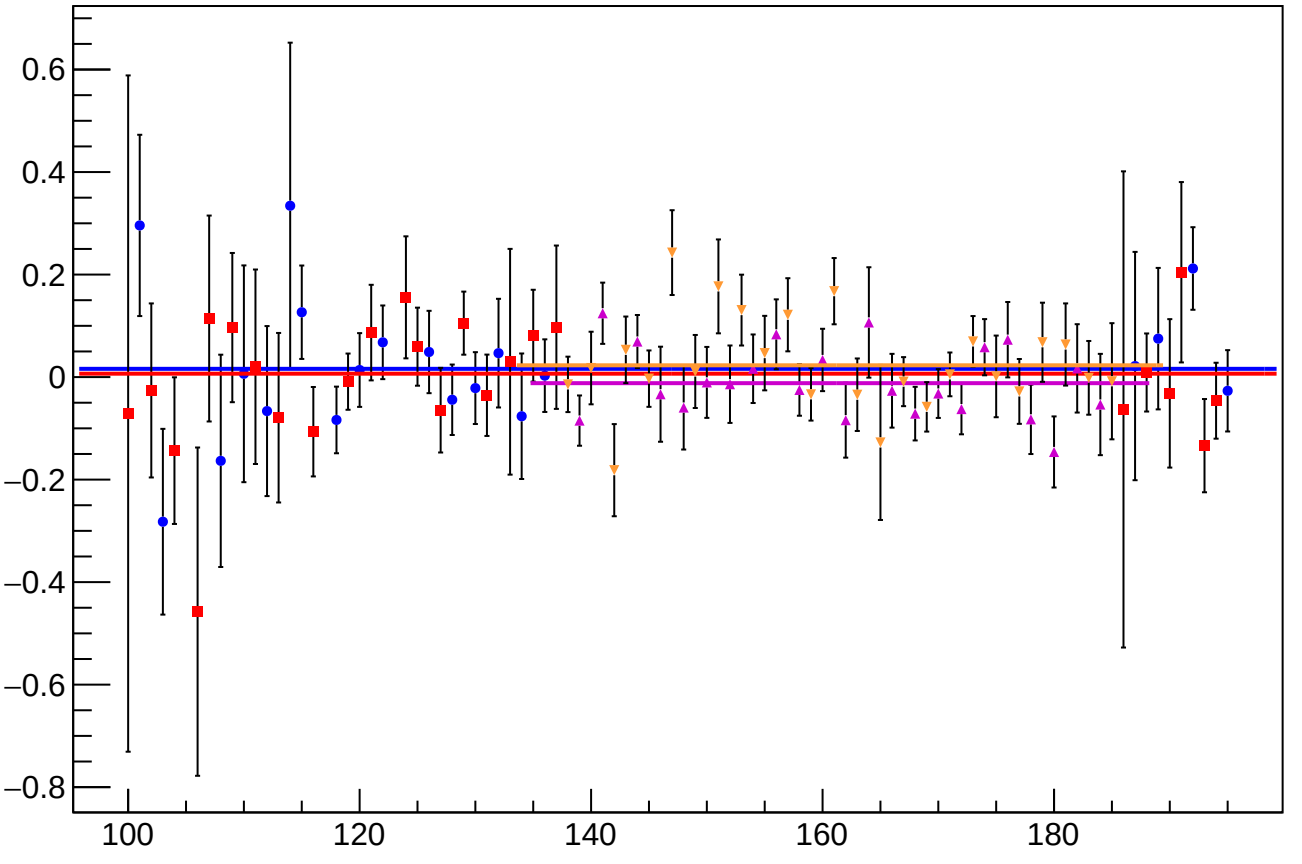
Right Out: 0.000+/-0.000 χ^2/NDF: 3900570.7/24

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: 18660667.4/92

- sign 0.000+/-0.000 χ^2/NDF: 10136099.1/47



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: 0.007+/-0.021 χ^2/NDF: 17.6/24

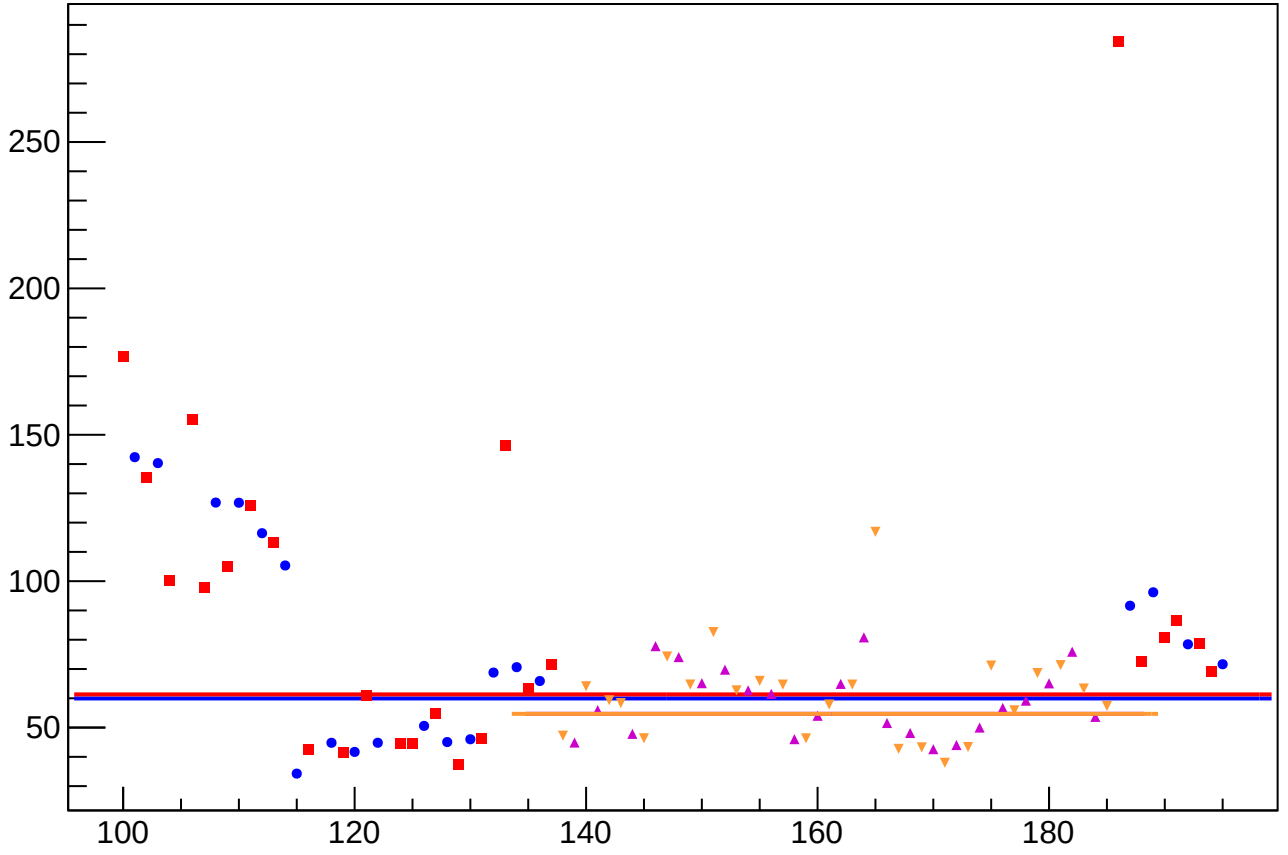
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/44

All: 0.007+/-0.008 χ^2/NDF: 101.3/92

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47

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

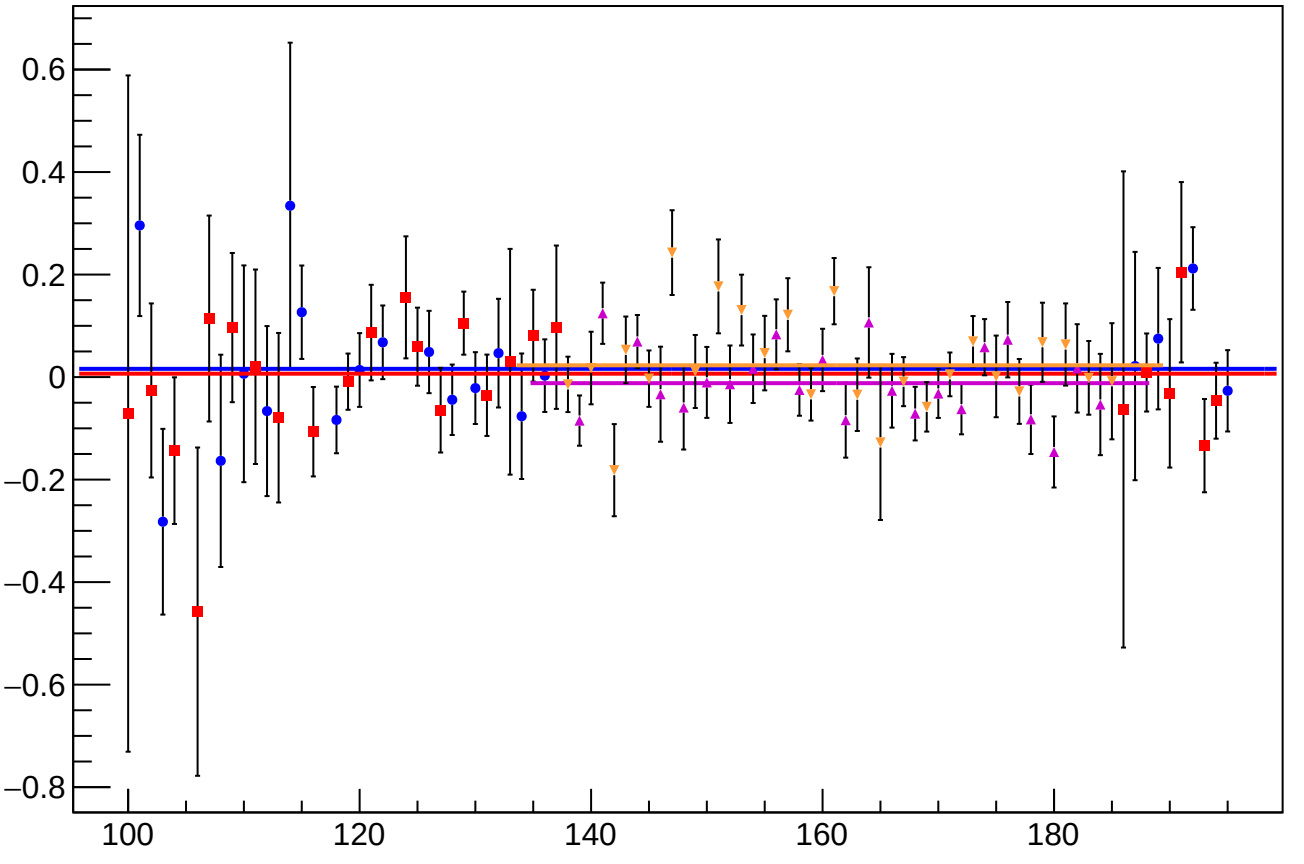
Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.104+/-0.008 χ^2/NDF: 4590597.8/44

All: 56.370+/-0.006 χ^2/NDF: 9237257.5/92

- sign 56.641+/-0.008 χ^2/NDF: 4644316.7/47



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

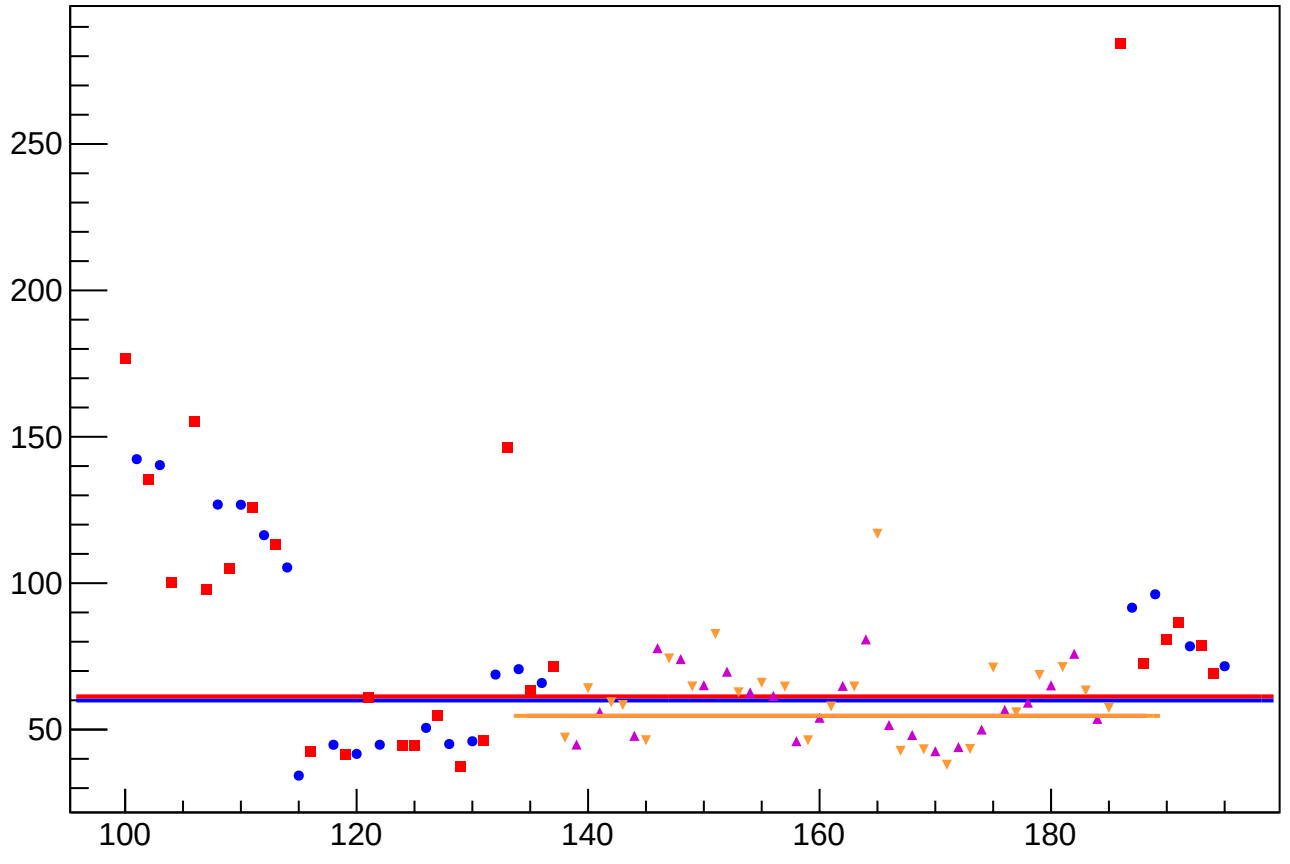
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

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: 101.3/92

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



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: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

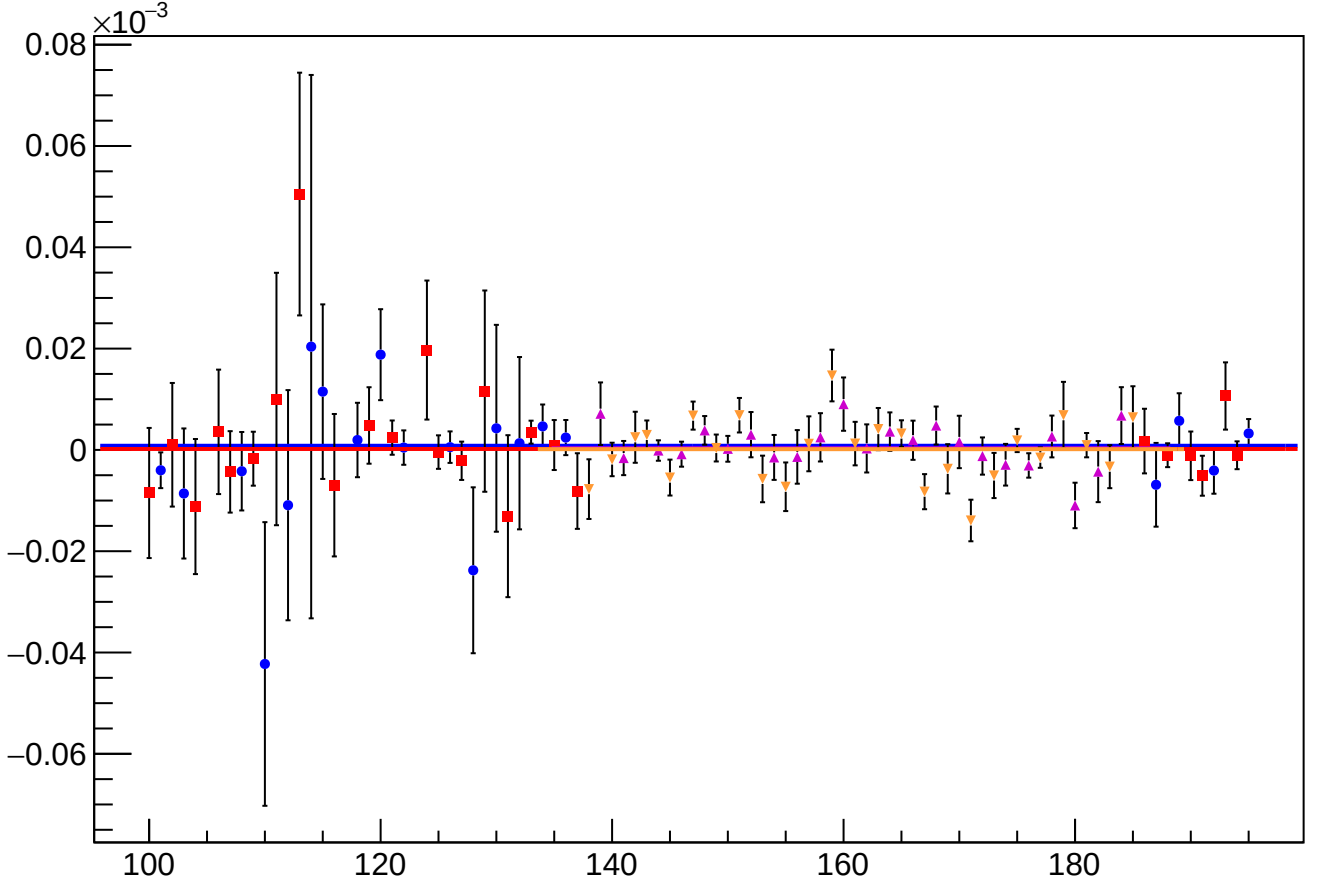
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 56.104+/-0.008 χ^2/NDF: 4590597.8/44

All: 56.370+/-0.006 χ^2/NDF: 9237257.5/92

\- sign 56.641+/-0.008 χ^2/NDF: 4644316.7/47

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

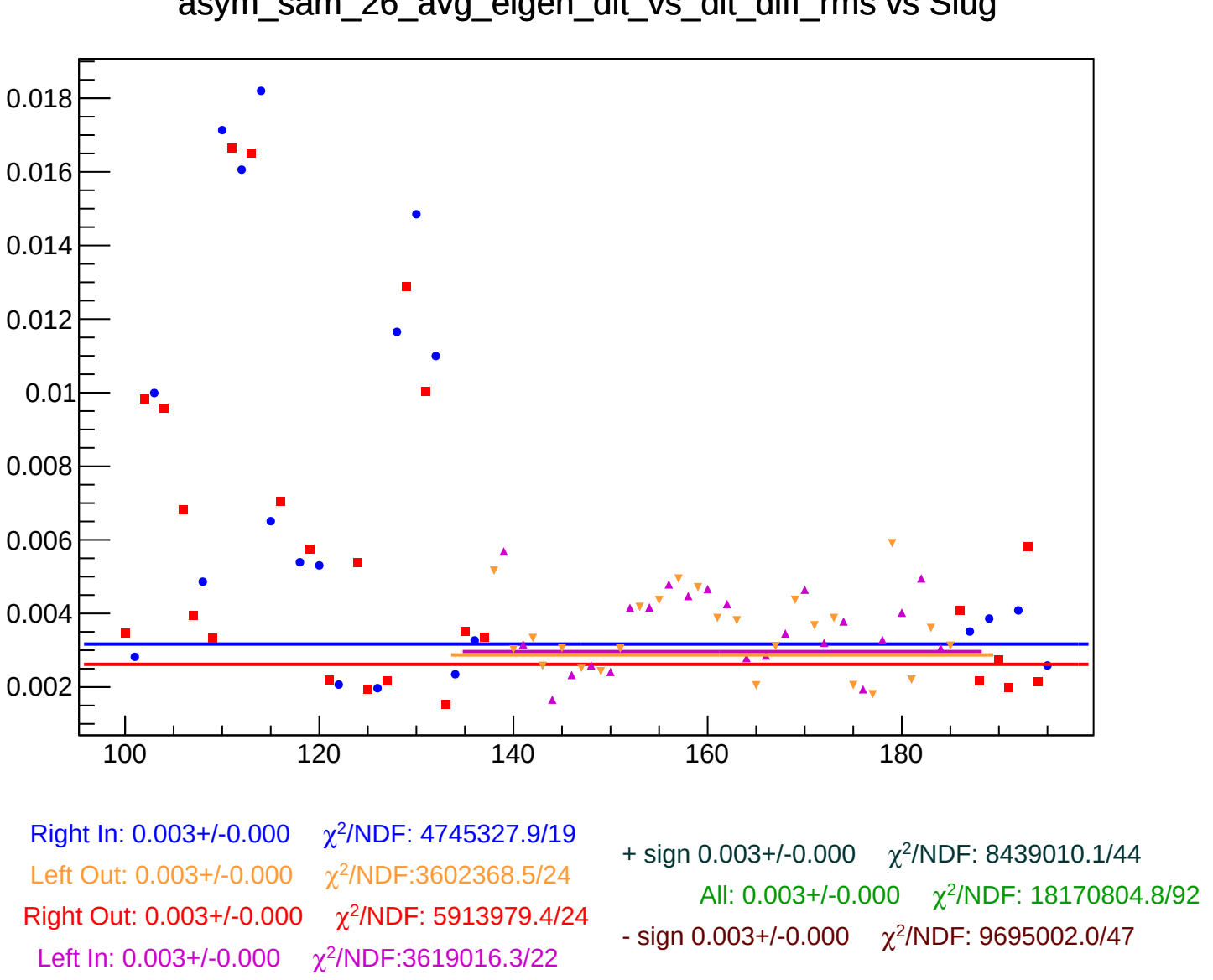
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/24

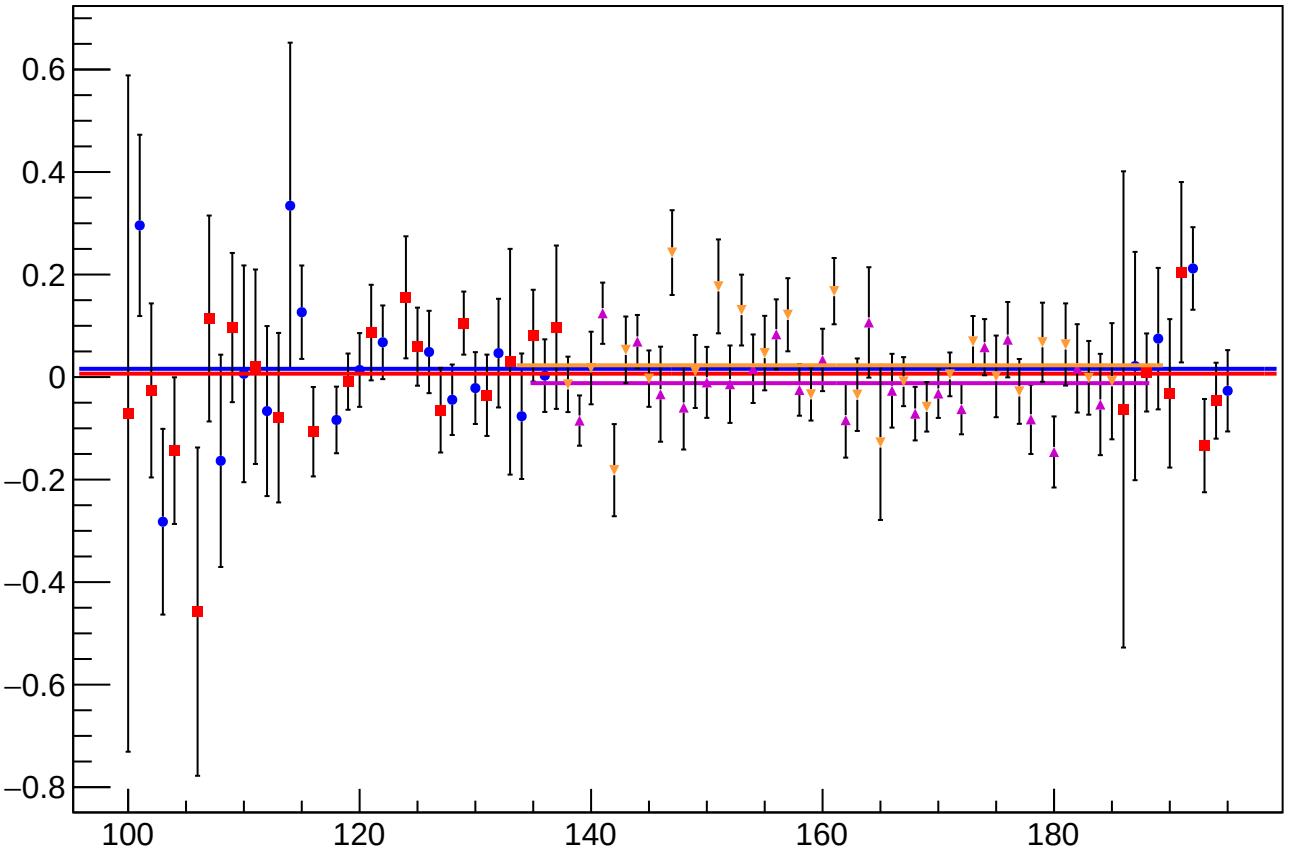
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/44

All: 0.000+/-0.000 χ^2/NDF: 110.7/92

- sign 0.000+/-0.000 χ^2/NDF: 39.8/47


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 4745327.9/19
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5913979.4/24
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8439010.1/44
All: 0.003+/-0.000 χ²/NDF: 18170804.8/92
- sign 0.003+/-0.000 χ²/NDF: 9695002.0/47



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

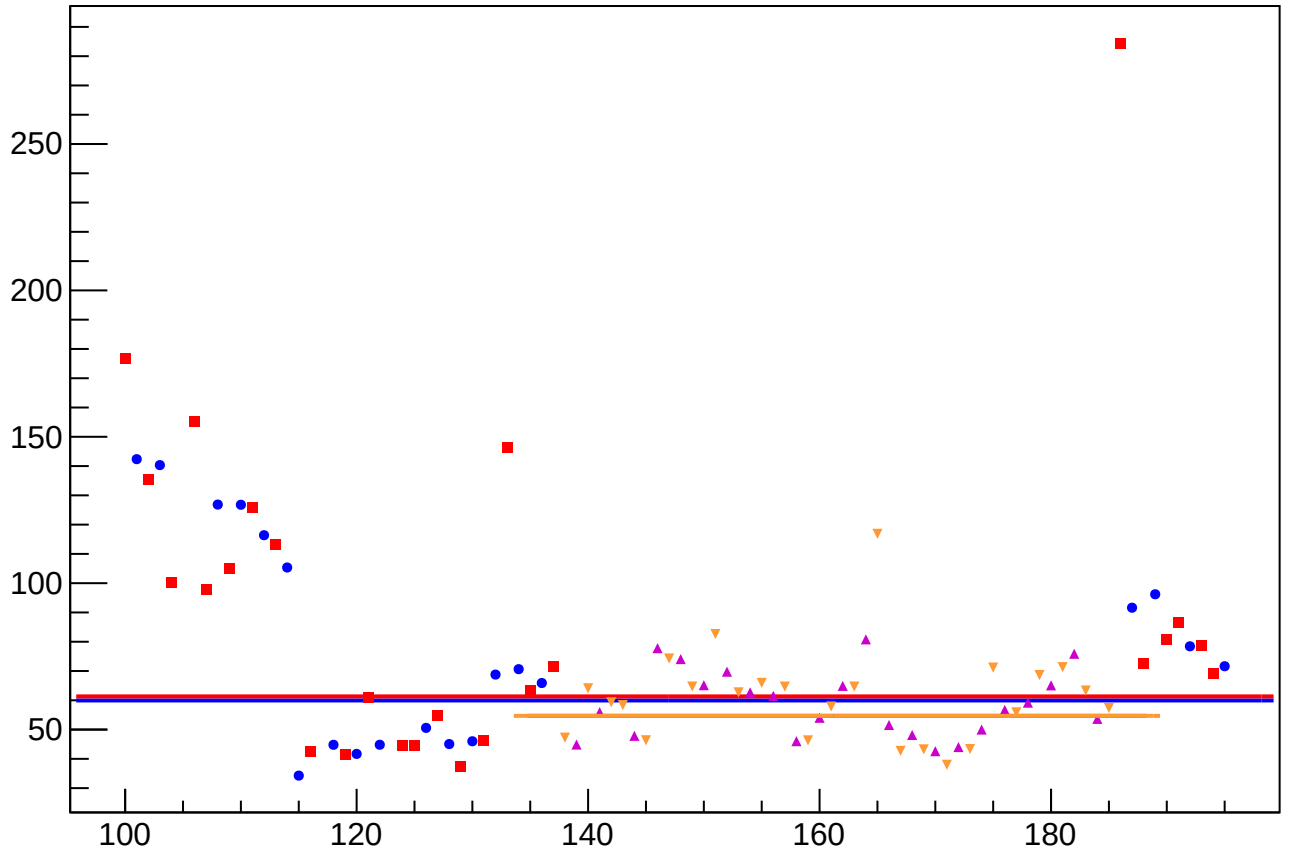
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

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: 101.3/92

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



Right In: 59.944+/-0.015 χ^2/NDF: 2564795.8/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

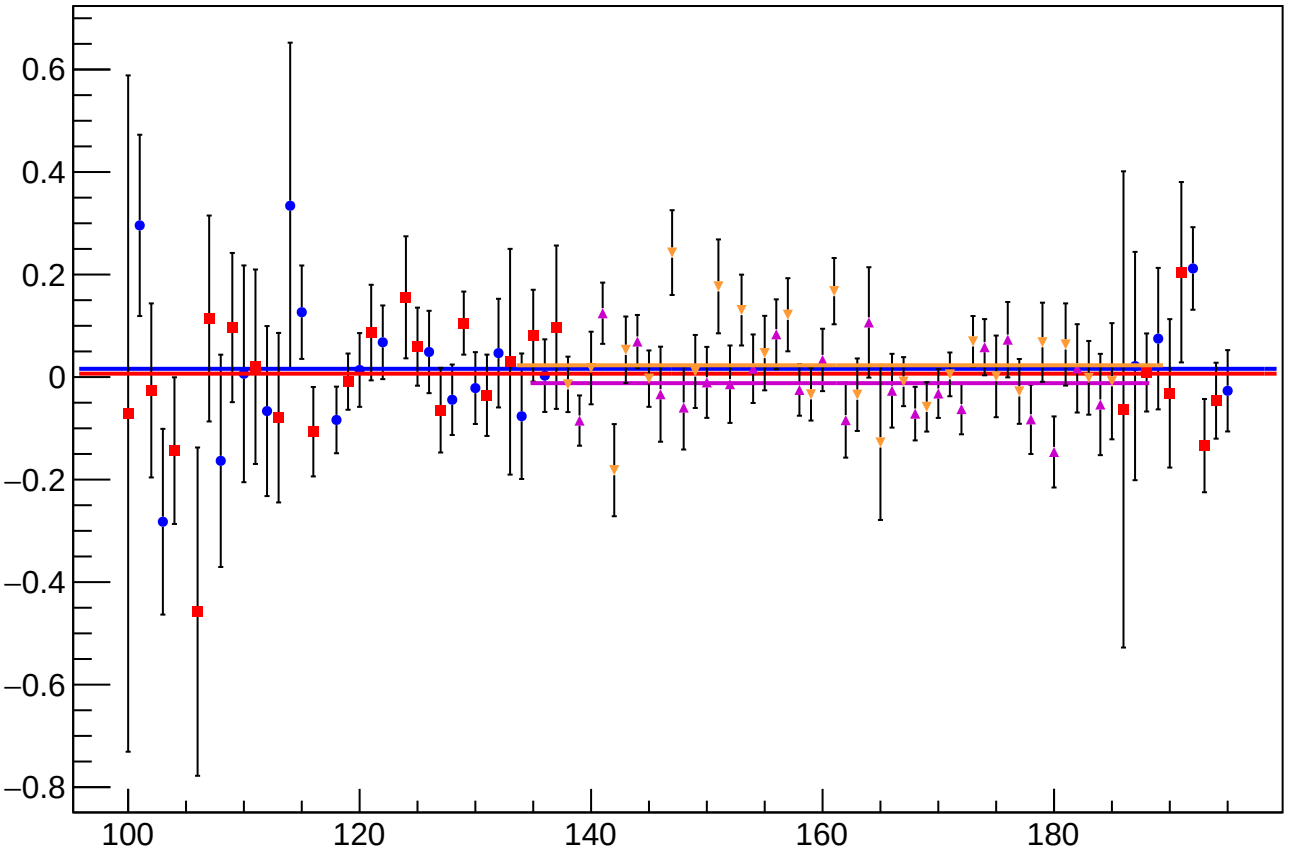
Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 56.104+/-0.008 χ^2/NDF: 4590533.4/44

All: 56.371+/-0.006 χ^2/NDF: 9237087.2/92

\- sign 56.642+/-0.008 χ^2/NDF: 4644210.4/47



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

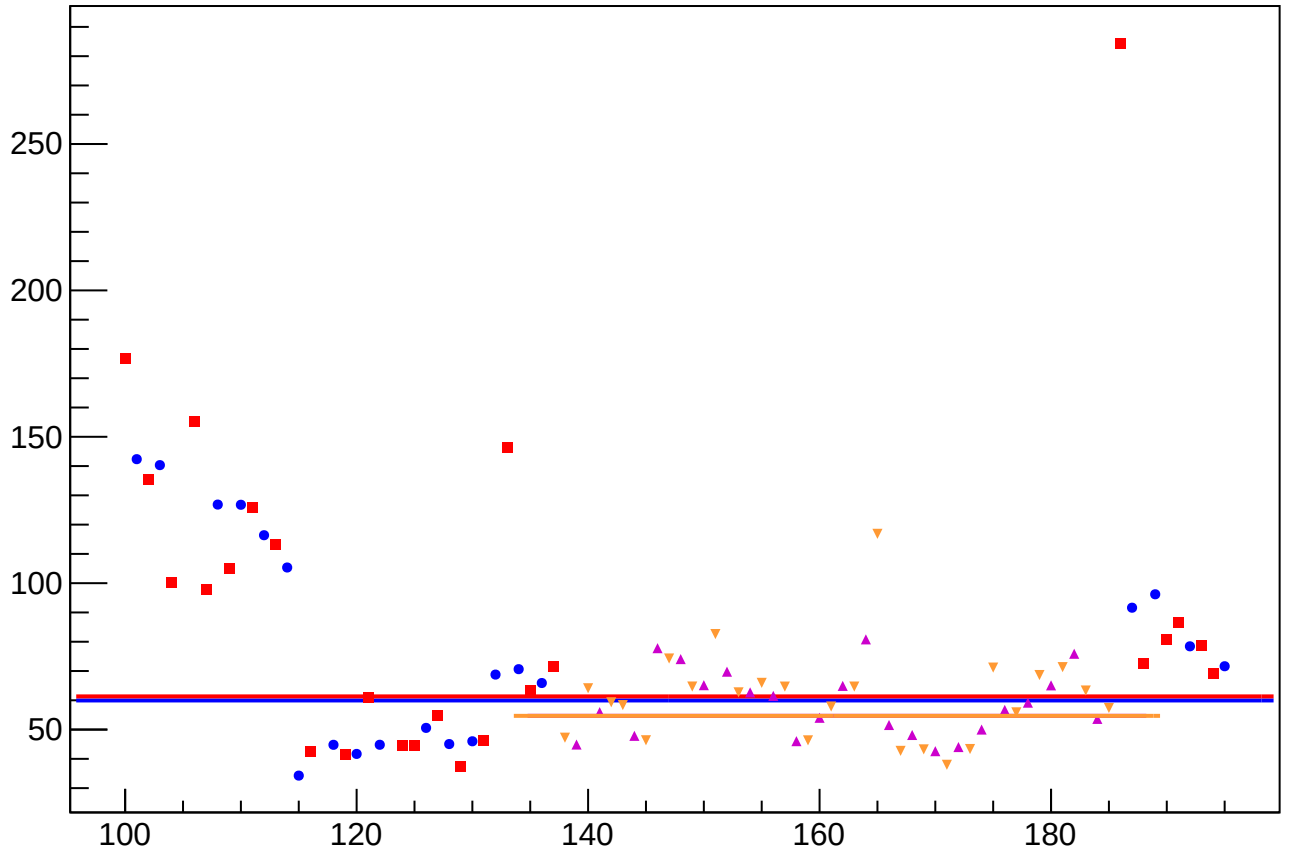
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

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: 101.3/92

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



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: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

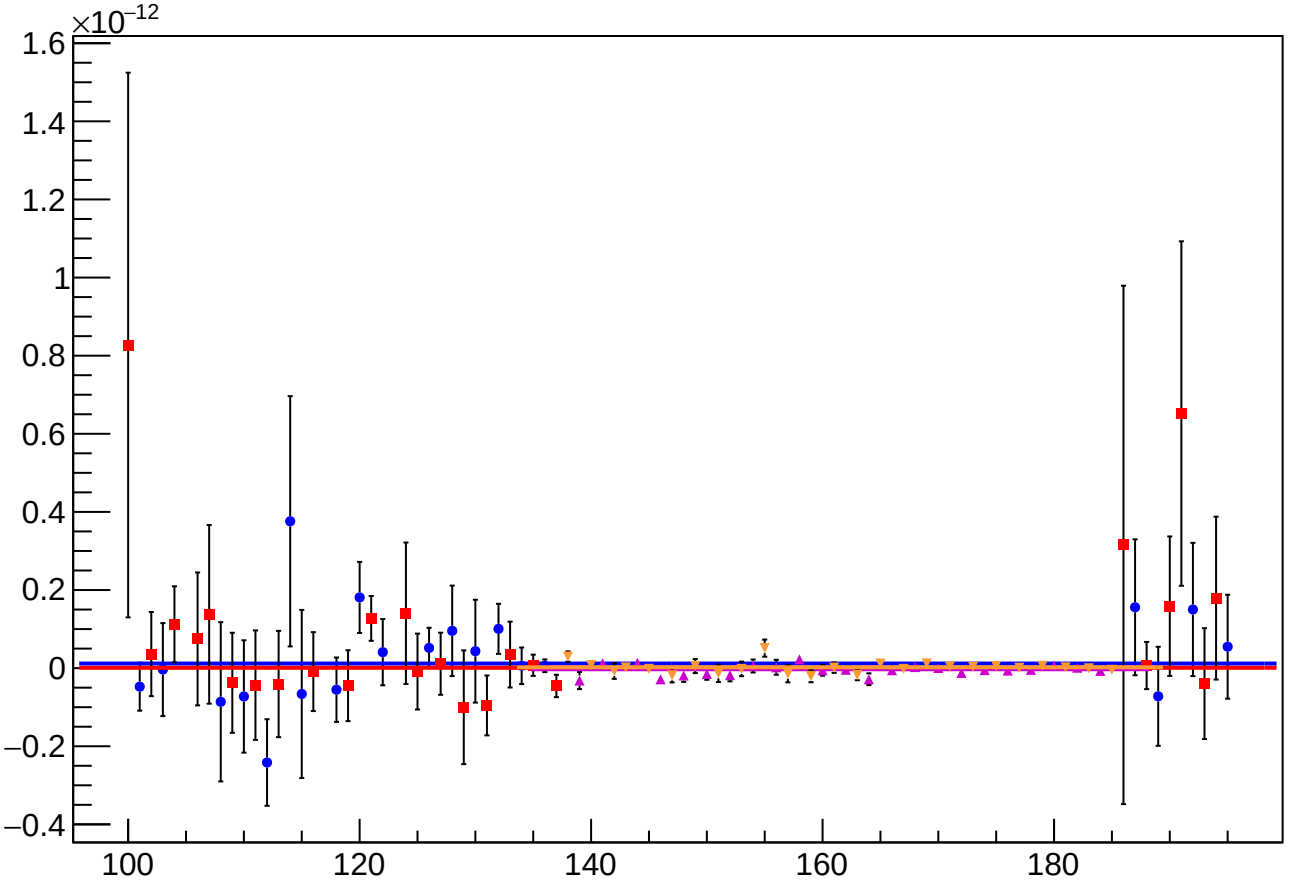
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 56.104+/-0.008 χ^2/NDF: 4590533.4/44

All: 56.371+/-0.006 χ^2/NDF: 9237087.2/92

\- sign 56.642+/-0.008 χ^2/NDF: 4644210.4/47

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

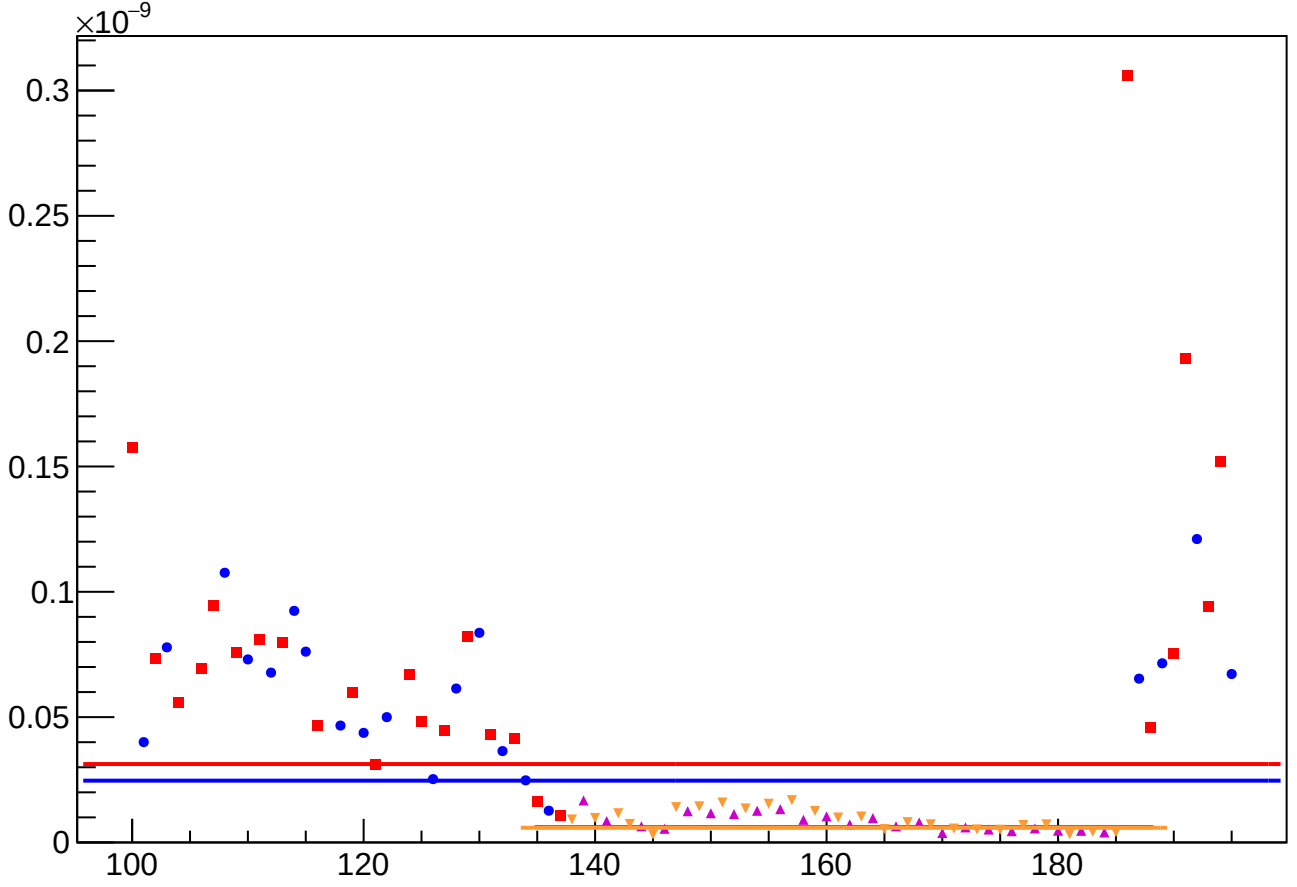
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/24

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: 94.0/92

- sign -0.000+/-0.000 χ^2/NDF: 51.5/47



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: 5810148.3/24

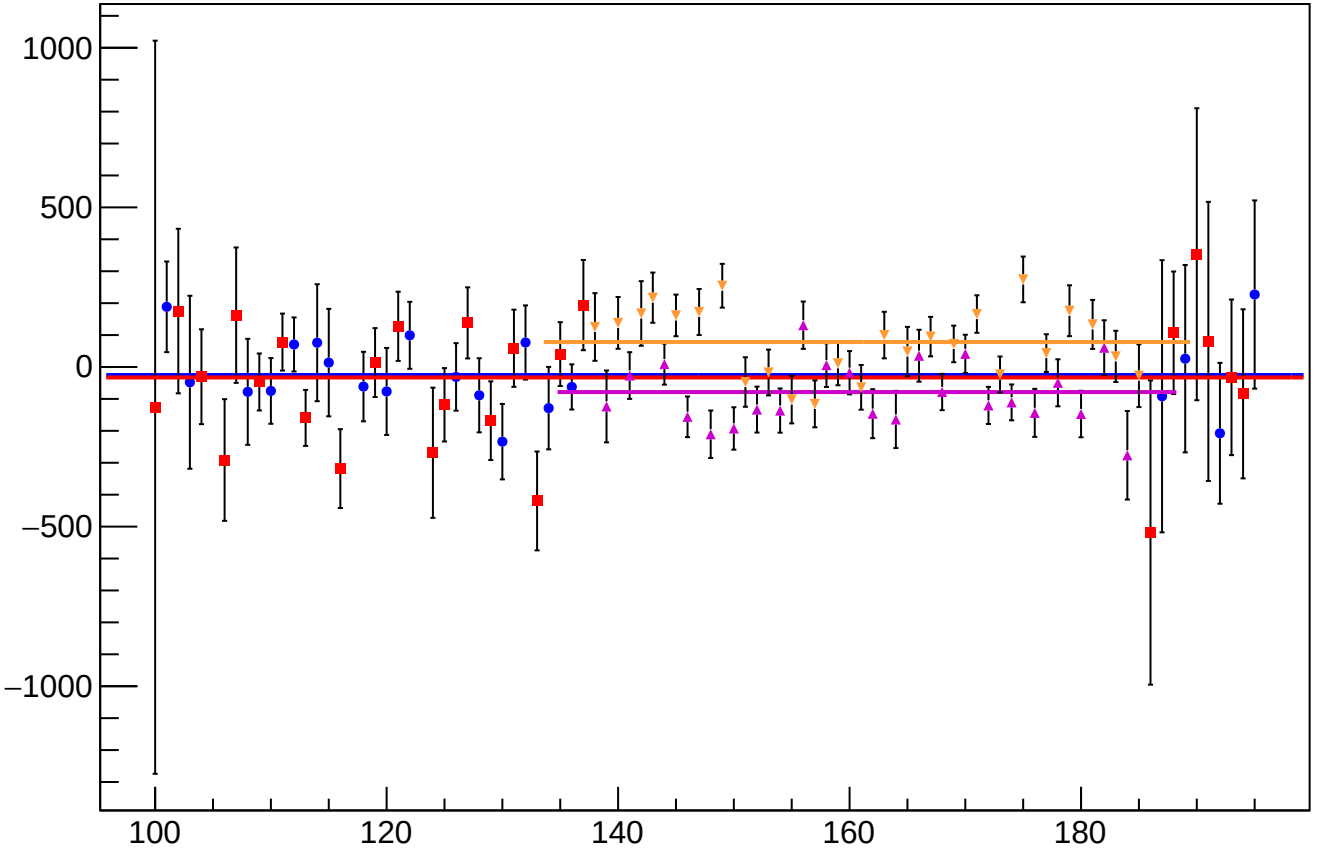
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14777517.3/44

All: 0.000+/-0.000 χ^2/NDF: 29580046.9/92

- sign 0.000+/-0.000 χ^2/NDF: 14778634.1/47

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: -32.843+/-27.653 χ^2/NDF: 32.5/24

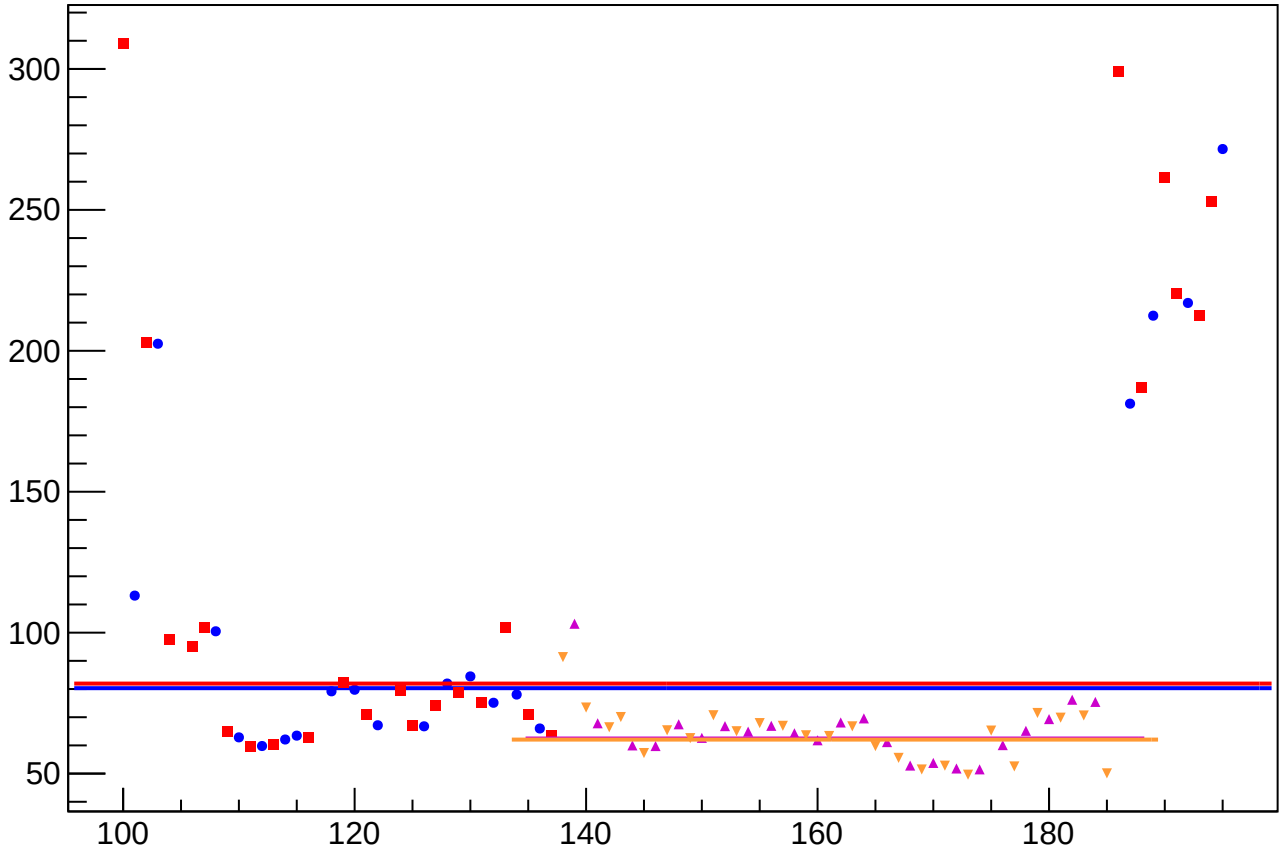
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.129+/-12.785 χ^2/NDF: 77.0/44

All: -4.279+/-9.135 χ^2/NDF: 195.4/92

- sign -68.327+/-13.056 χ^2/NDF: 71.3/47

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: 81.934+/-0.020 χ^2/NDF: 4026647.0/24

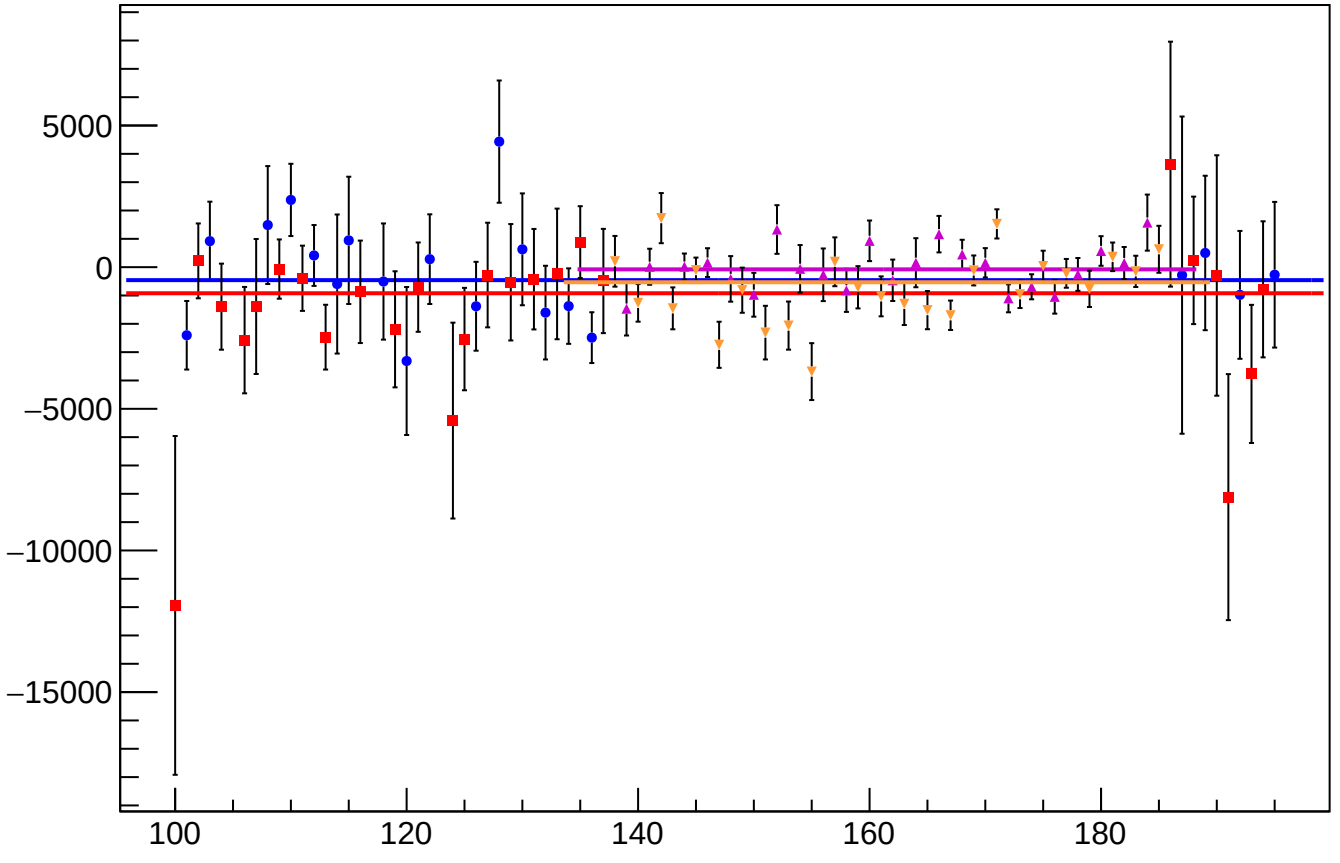
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385407.5/44

All: 66.272+/-0.006 χ^2/NDF: 9854783.3/92

- sign 66.790+/-0.009 χ^2/NDF: 5463214.1/47

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: -920.917+/-355.373 χ^2/NDF: 18.6/24

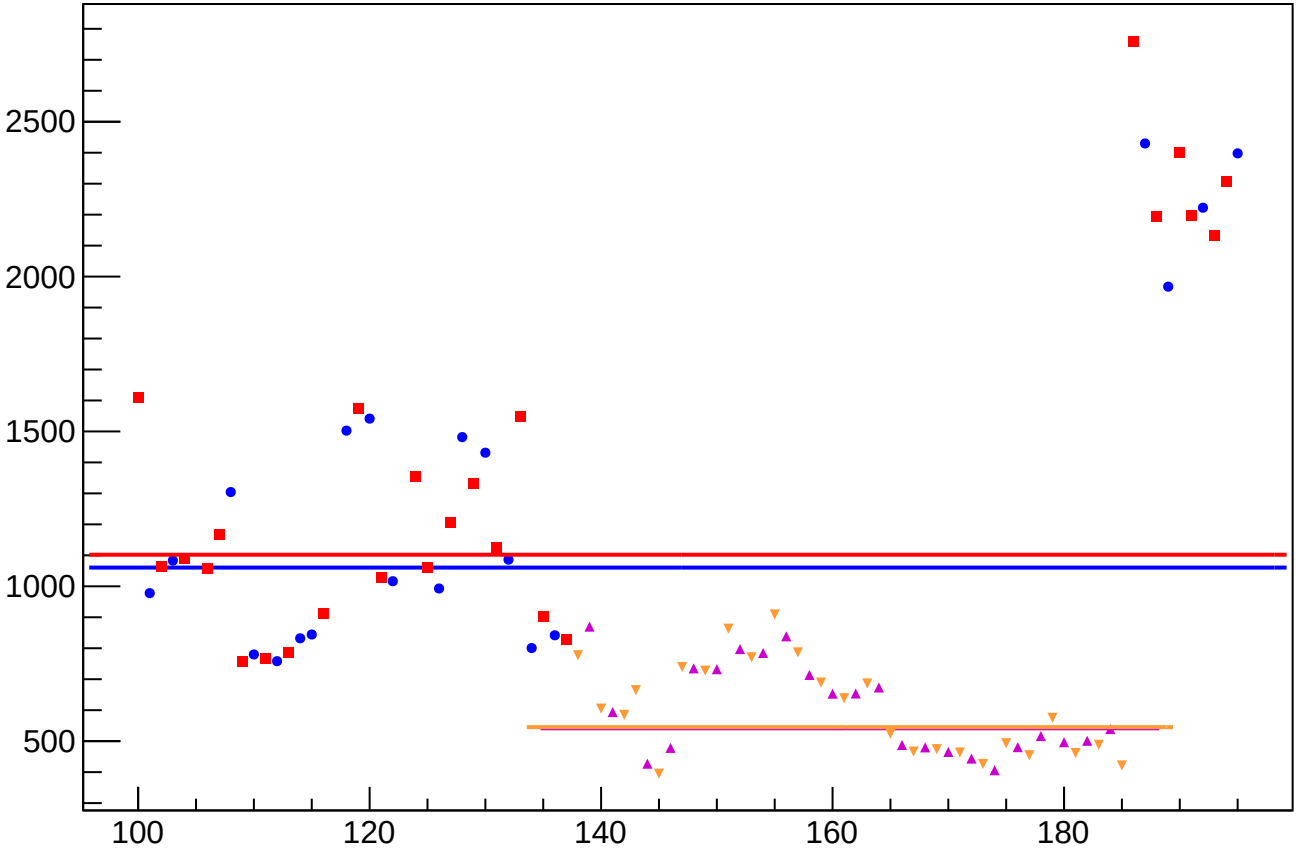
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -524.470+/-120.623 χ^2/NDF: 93.0/44

All: -353.392+/-85.897 χ^2/NDF: 149.0/92

- sign -177.379+/-122.350 χ^2/NDF: 51.9/47

asym_sam_37_avg_reg_correction_rms vs Slug



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: 1101.960+/-0.251 χ^2/NDF: 2841072.1/24

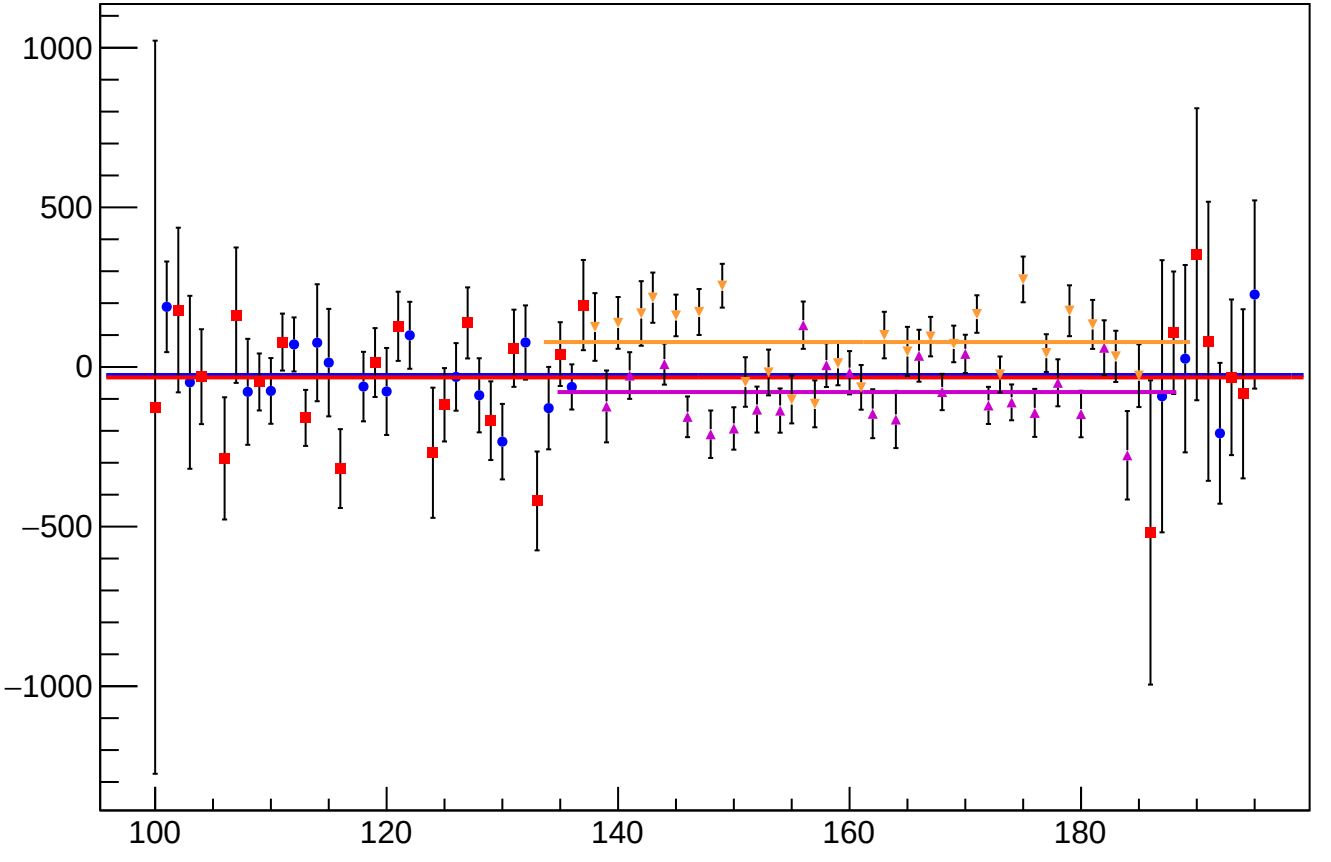
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930266.7/44

All: 605.133+/-0.061 χ^2/NDF: 16999216.3/92

- sign 607.896+/-0.087 χ^2/NDF: 9066938.5/47

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: -32.652+/-27.655 χ^2/NDF: 32.4/24

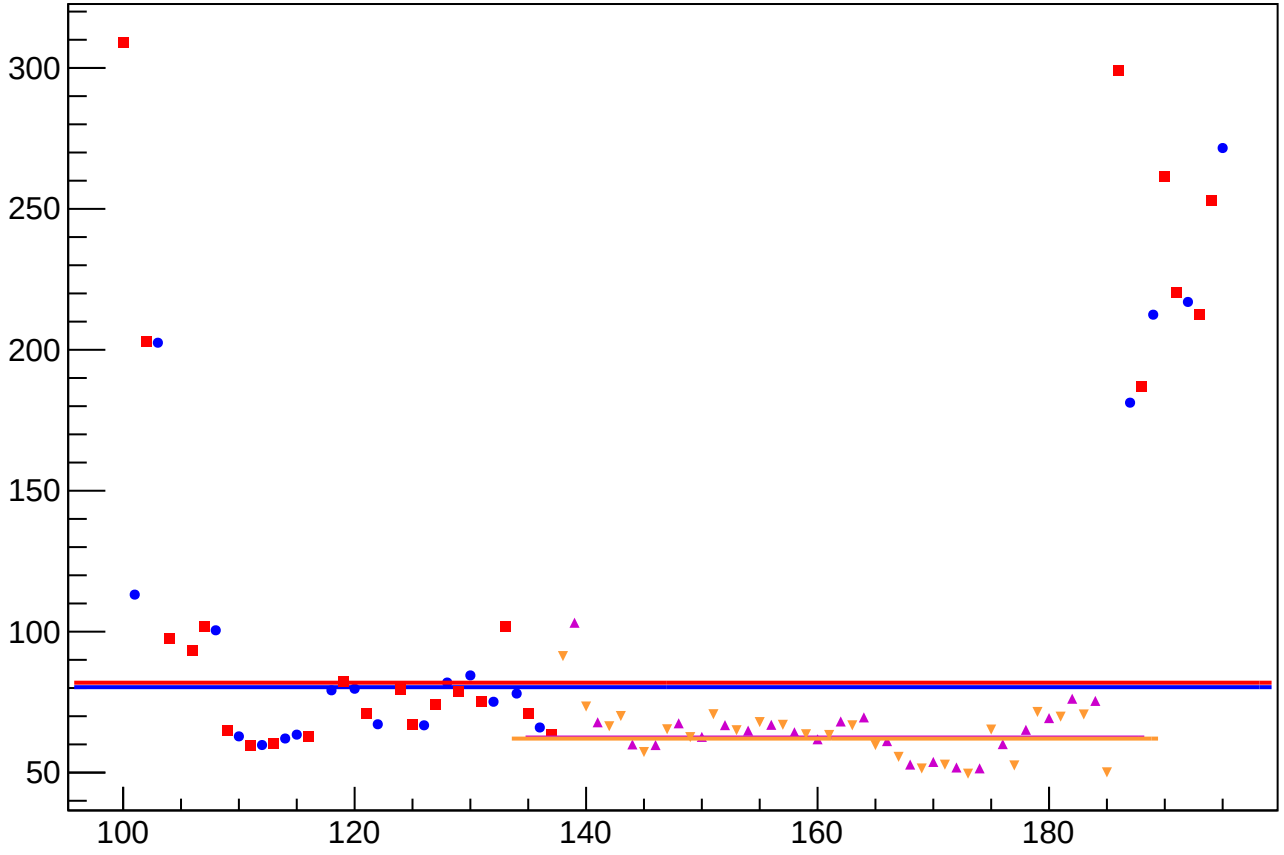
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.131+/-12.785 χ^2/NDF: 77.0/44

All: -4.257+/-9.135 χ^2/NDF: 195.3/92

- sign -68.285+/-13.057 χ^2/NDF: 71.2/47

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: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

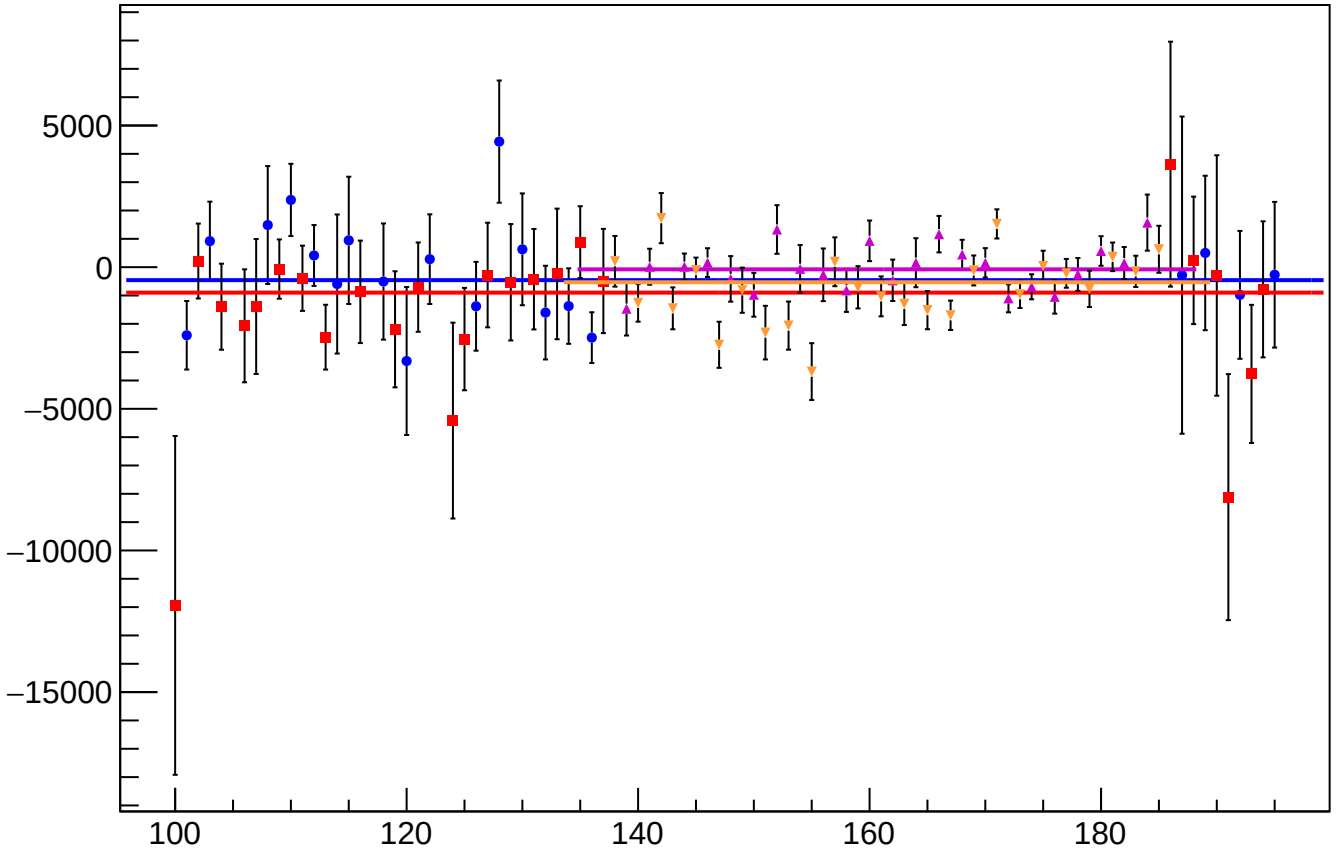
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385409.3/44

All: 66.268+/-0.006 χ^2/NDF: 9849415.7/92

- sign 66.781+/-0.009 χ^2/NDF: 5457955.1/47

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: -898.700+/-356.115 χ^2/NDF: 18.1/24

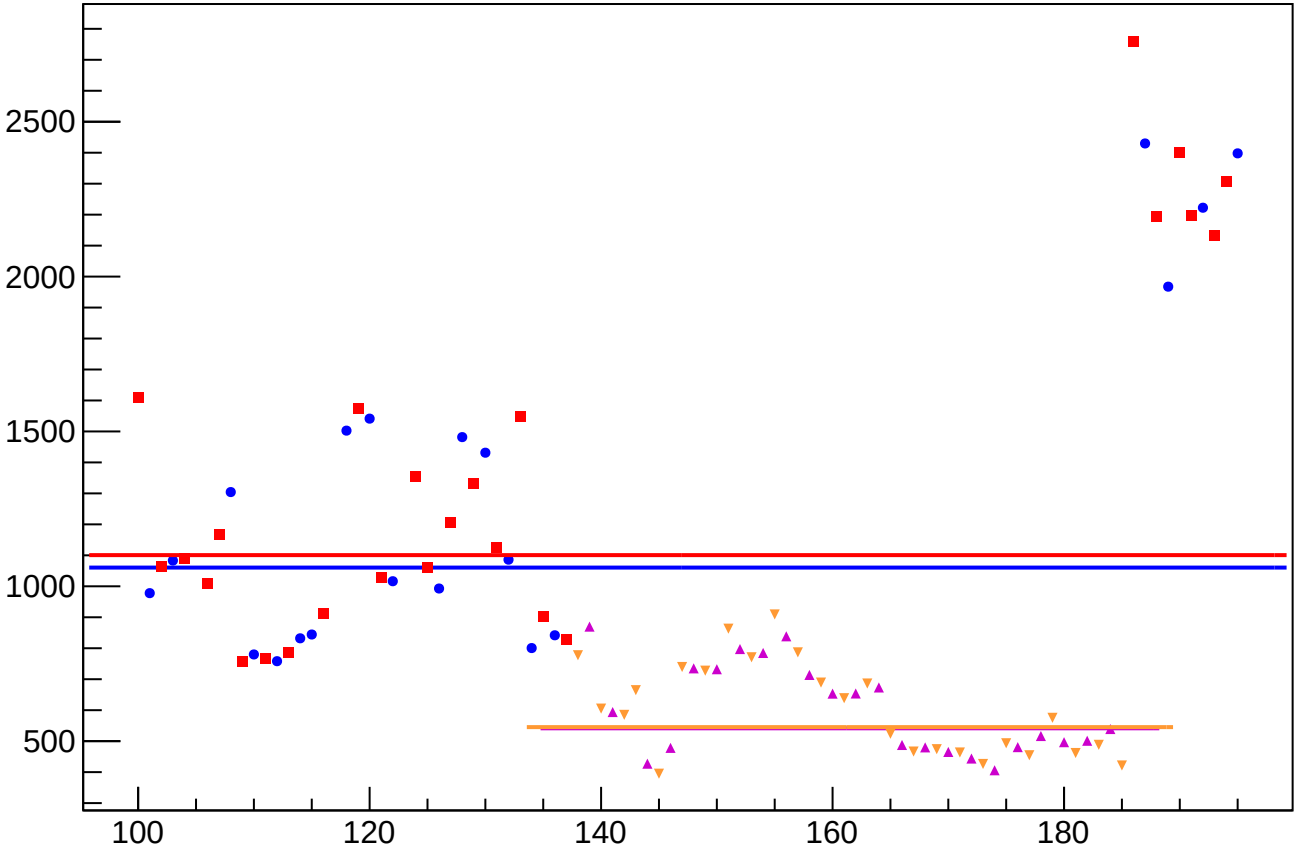
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -524.467+/-120.623 χ^2/NDF: 93.0/44

All: -351.959+/-85.908 χ^2/NDF: 148.4/92

- sign -174.387+/-122.381 χ^2/NDF: 51.2/47

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: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

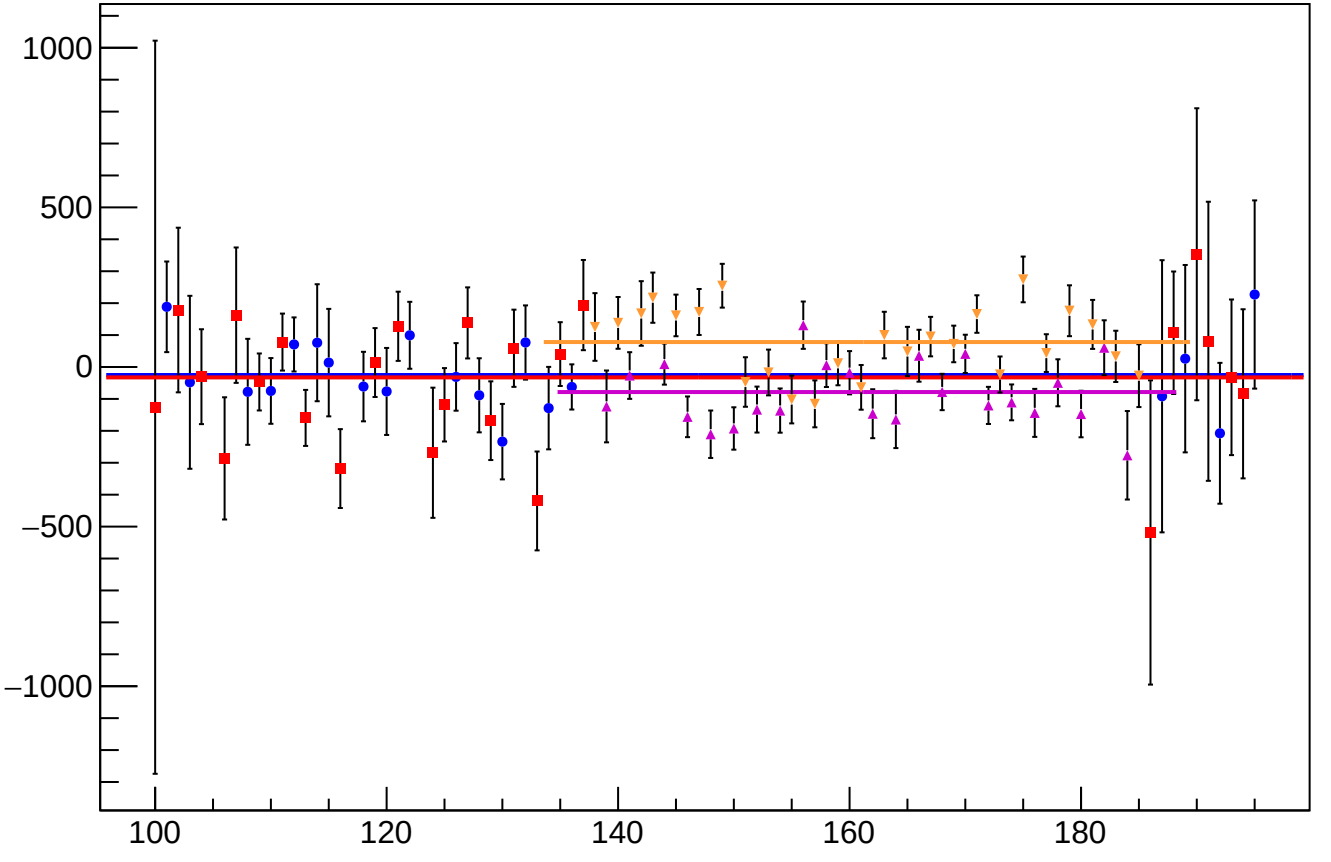
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930321.9/44

All: 604.937+/-0.061 χ^2/NDF: 16965835.1/92

- sign 607.499+/-0.087 χ^2/NDF: 9033784.8/47

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: -32.652+/-27.655 χ^2/NDF: 32.4/24

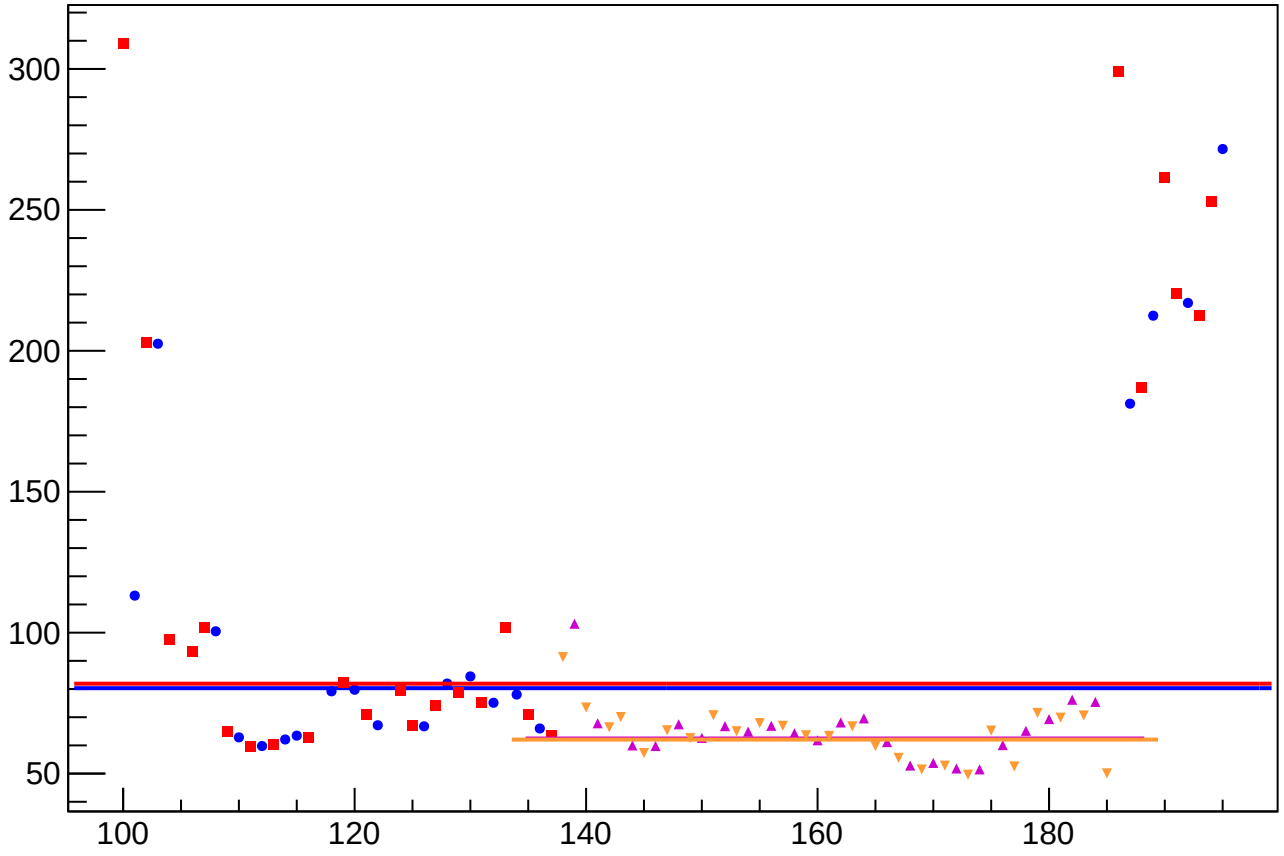
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.131+/-12.785 χ^2/NDF: 77.0/44

All: -4.257+/-9.135 χ^2/NDF: 195.3/92

- sign -68.285+/-13.057 χ^2/NDF: 71.2/47

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

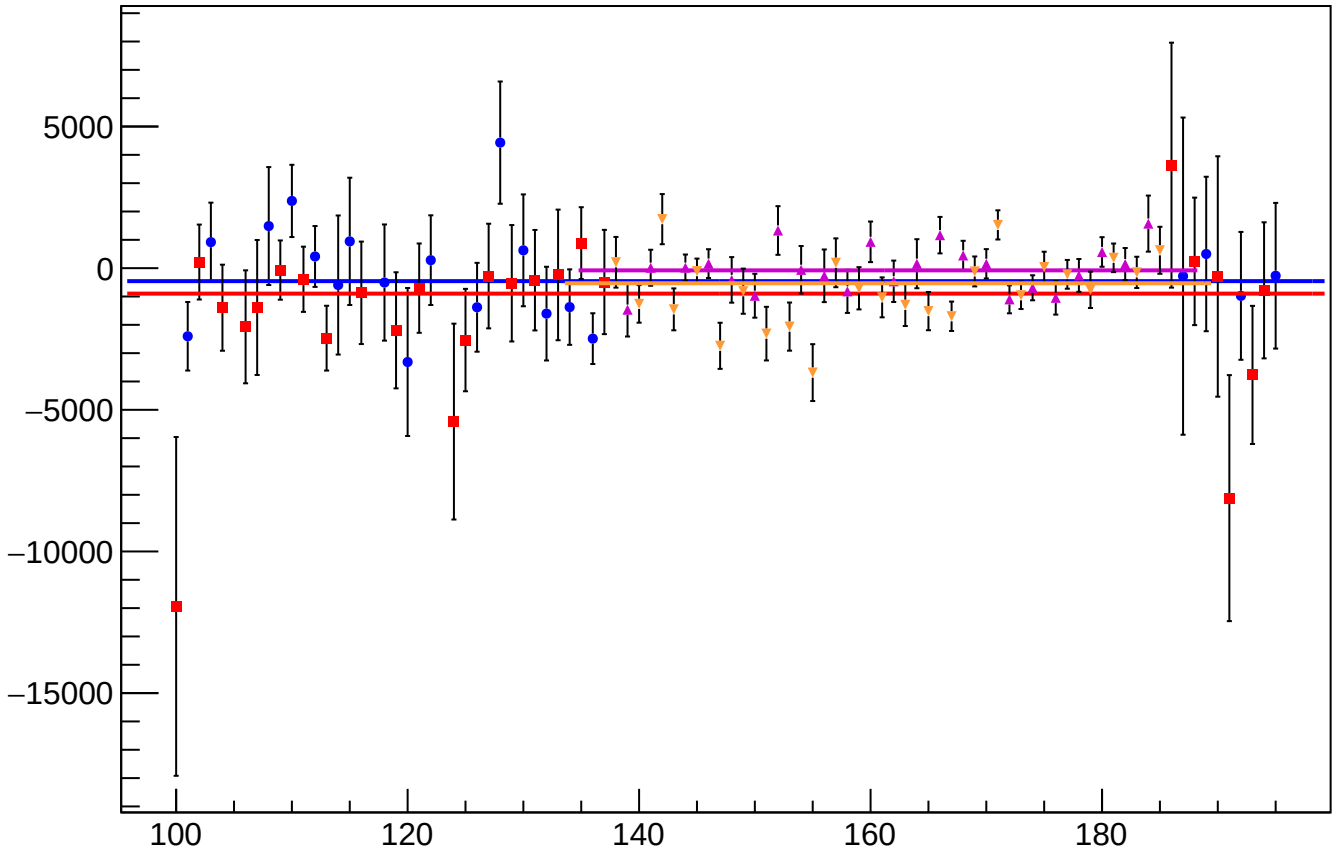
Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.776+/-0.009 χ^2/NDF: 4385409.3/44

All: 66.268+/-0.006 χ^2/NDF: 9849415.7/92

- sign 66.781+/-0.009 χ^2/NDF: 5457955.1/47



Right In: -457.867+/-362.168 χ^2/NDF: 23.9/19

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

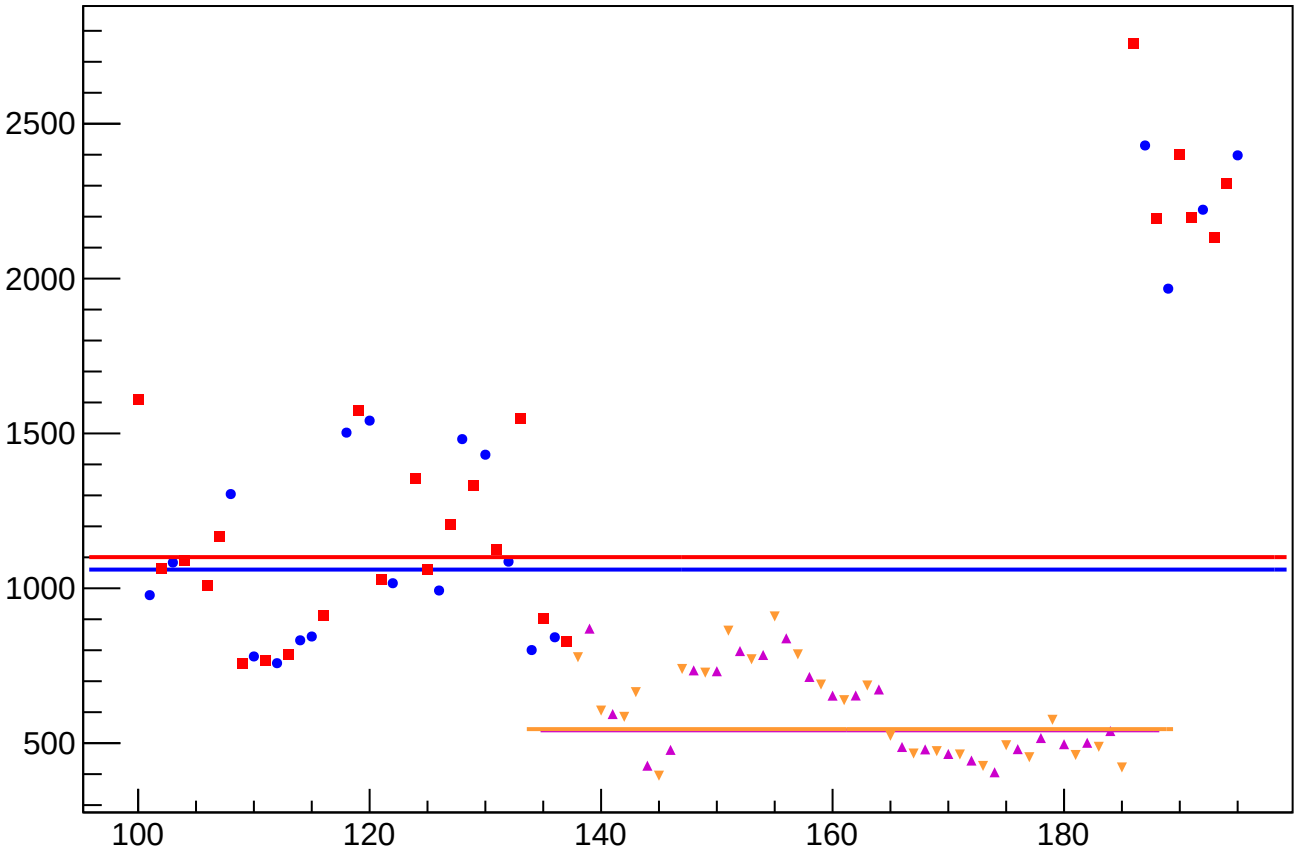
Right Out: -898.700+/-356.115 χ^2/NDF: 18.1/24

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -524.467+/-120.623 χ^2/NDF: 93.0/44

All: -351.959+/-85.908 χ^2/NDF: 148.4/92

- sign -174.387+/-122.381 χ^2/NDF: 51.2/47



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: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

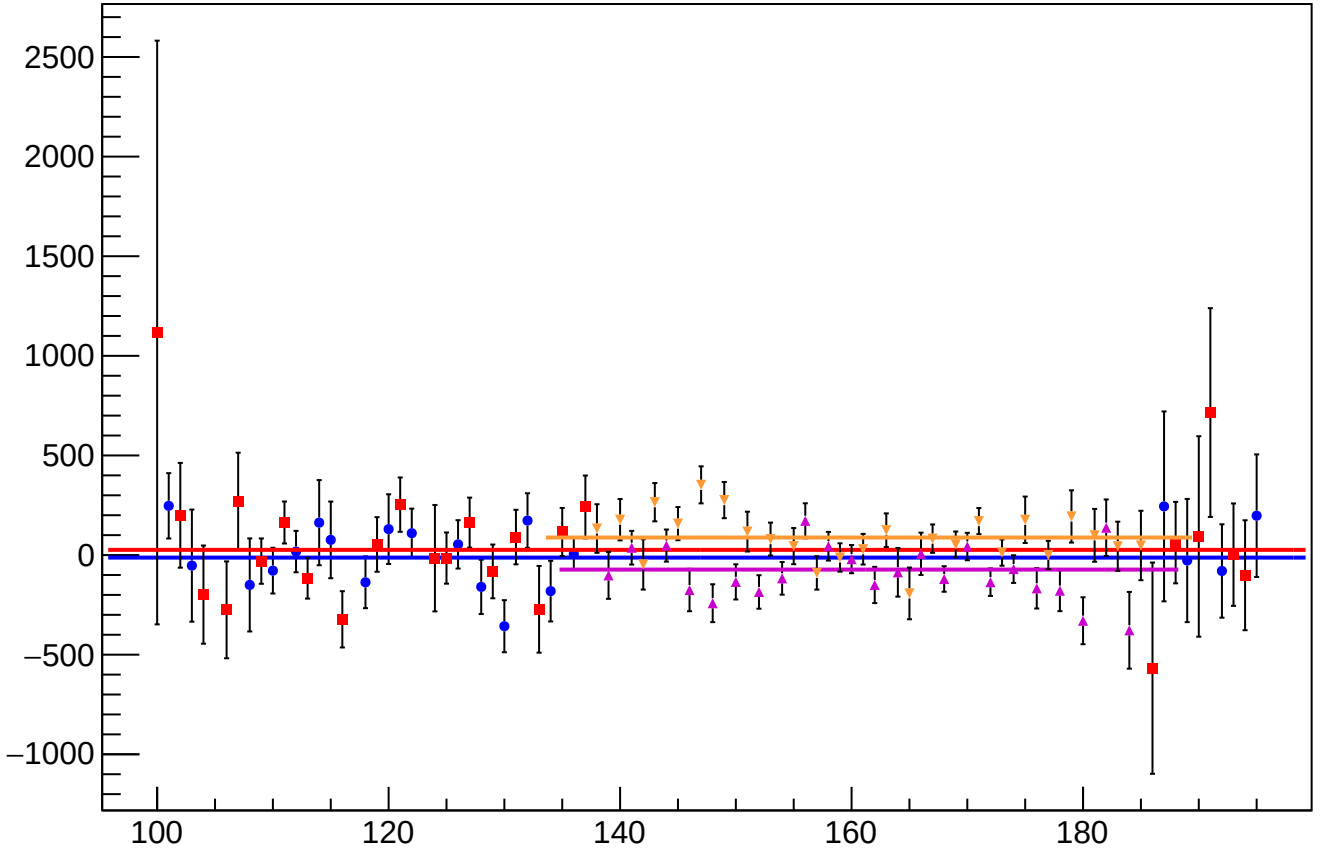
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 602.448+/-0.085 χ^2/NDF: 7930321.9/44

All: 604.937+/-0.061 χ^2/NDF: 16965835.1/92

- sign 607.499+/-0.087 χ^2/NDF: 9033784.8/47

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: 26.073+/-32.885 χ^2/NDF: 26.9/24

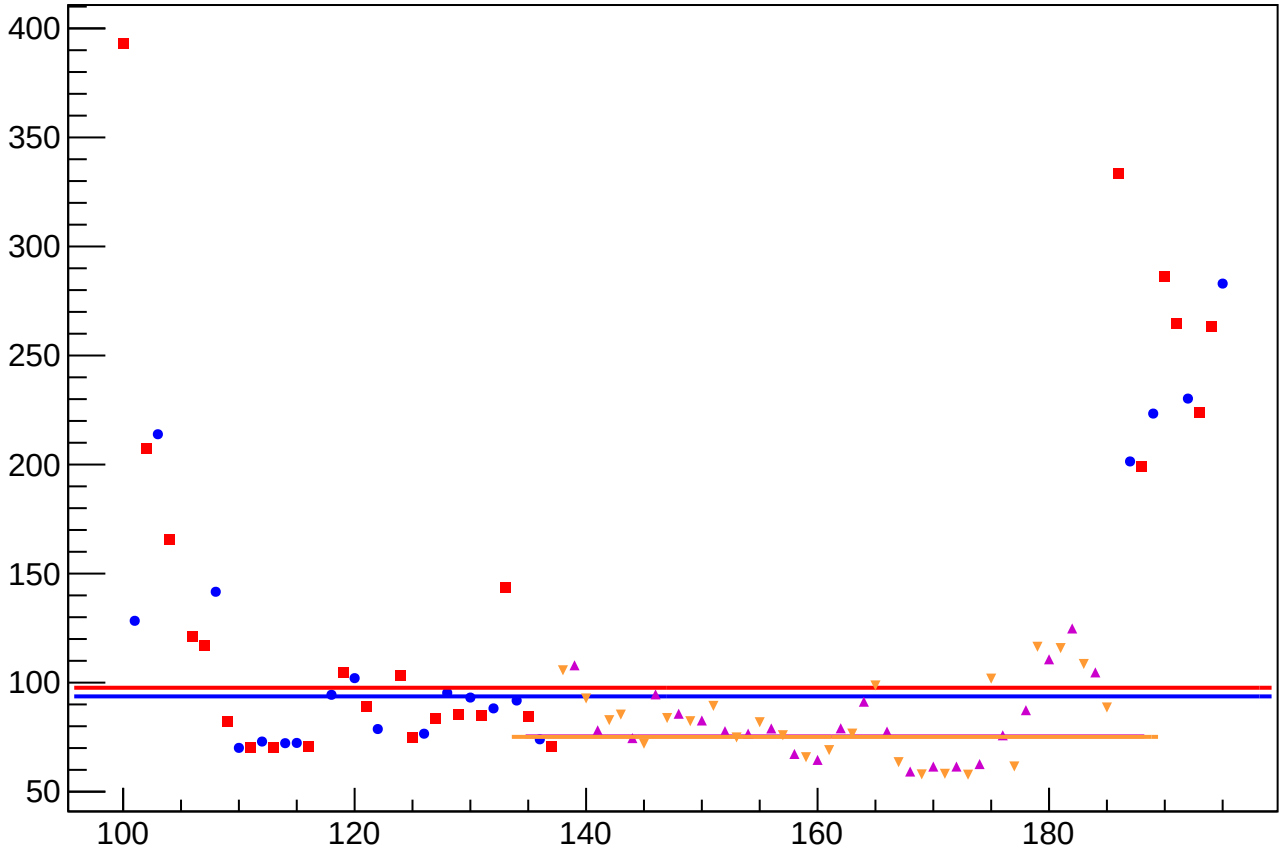
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.393+/-15.623 χ^2/NDF: 63.3/44

All: 9.221+/-11.169 χ^2/NDF: 161.9/92

- sign -49.506+/-15.975 χ^2/NDF: 72.2/47

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: 97.654+/-0.023 χ^2/NDF: 3877092.0/24

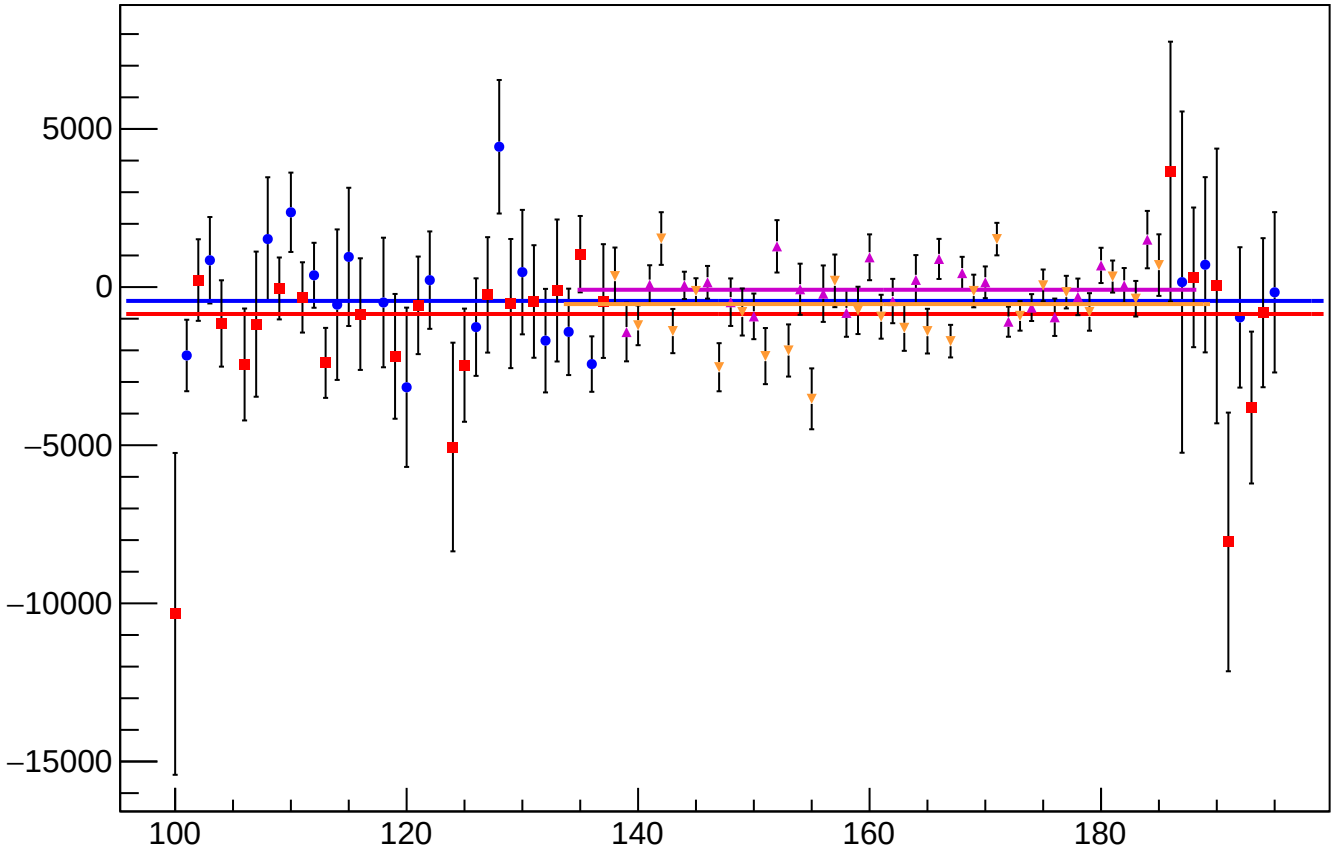
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 79.300+/-0.011 χ^2/NDF: 4930271.8/44

All: 79.947+/-0.008 χ^2/NDF: 10741763.9/92

- sign 80.623+/-0.011 χ^2/NDF: 5804482.5/47

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: -850.595+/-342.212 χ^2/NDF: 19.8/24

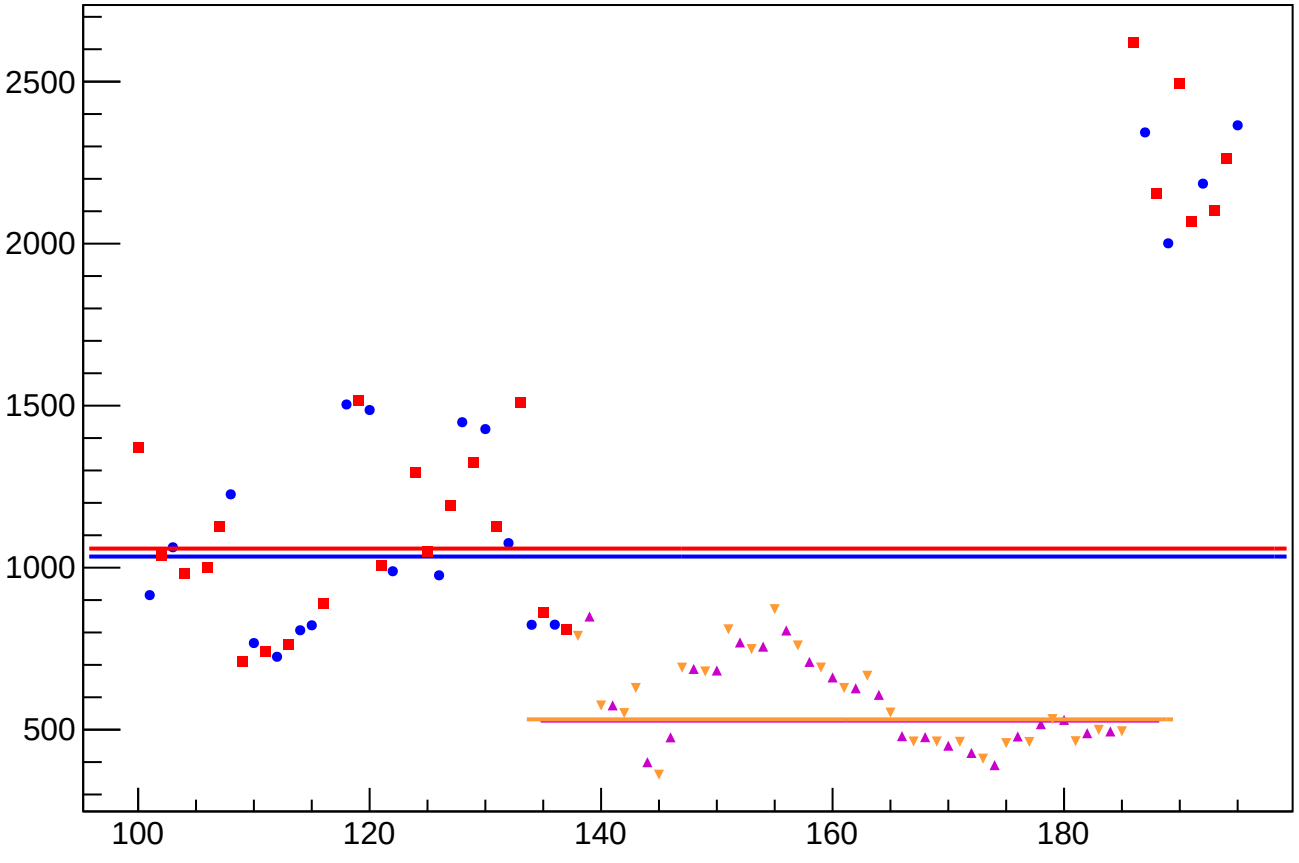
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -525.805+/-117.404 χ^2/NDF: 91.1/44

All: -354.115+/-83.610 χ^2/NDF: 147.1/92

\- sign -177.437+/-119.098 χ^2/NDF: 51.6/47

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: 1058.938+/-0.242 χ^2/NDF: 2958806.8/24

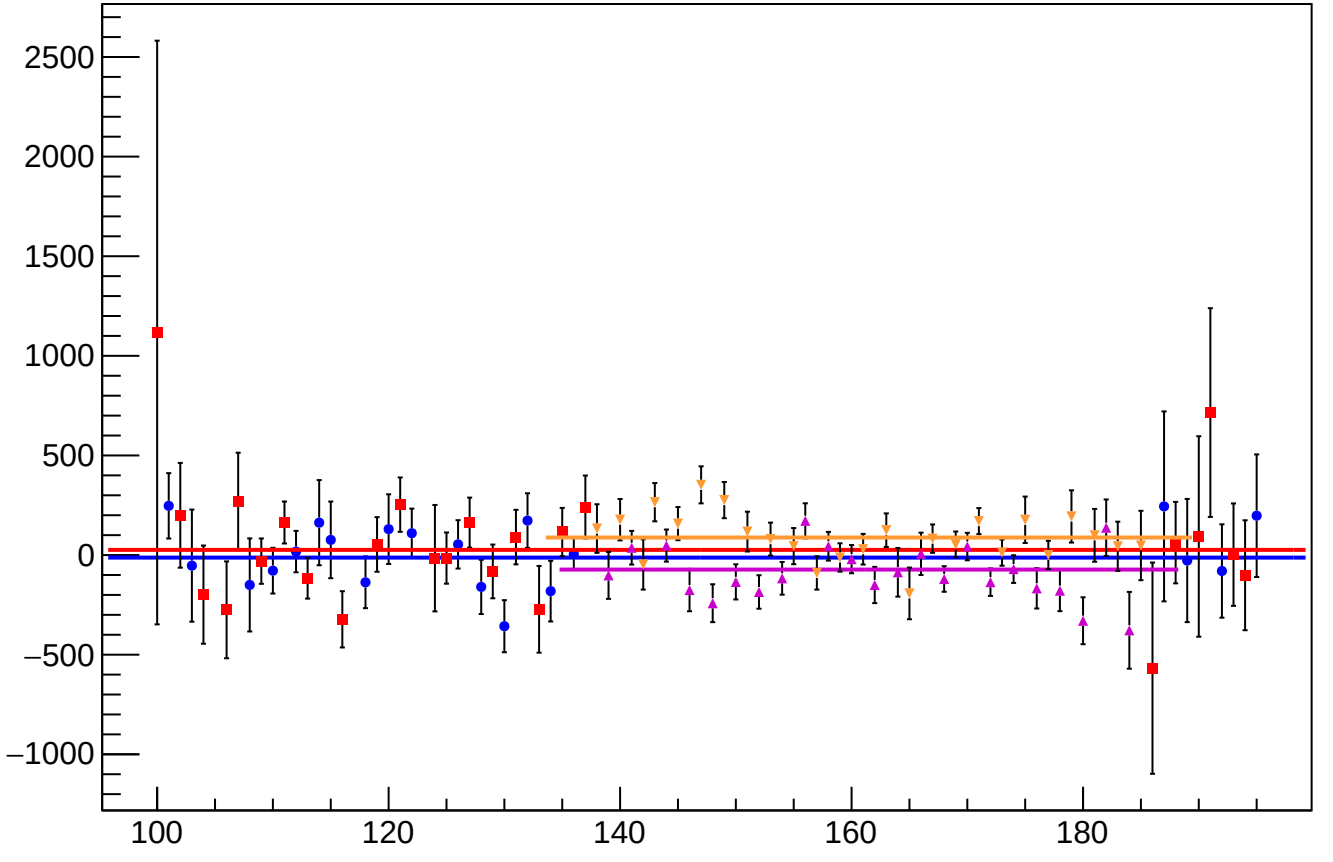
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 587.309+/-0.083 χ^2/NDF: 7930336.0/44

All: 589.766+/-0.059 χ^2/NDF: 16922747.5/92

- sign 592.295+/-0.084 χ^2/NDF: 8990634.1/47

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: 26.075+/-32.885 χ^2/NDF: 26.9/24

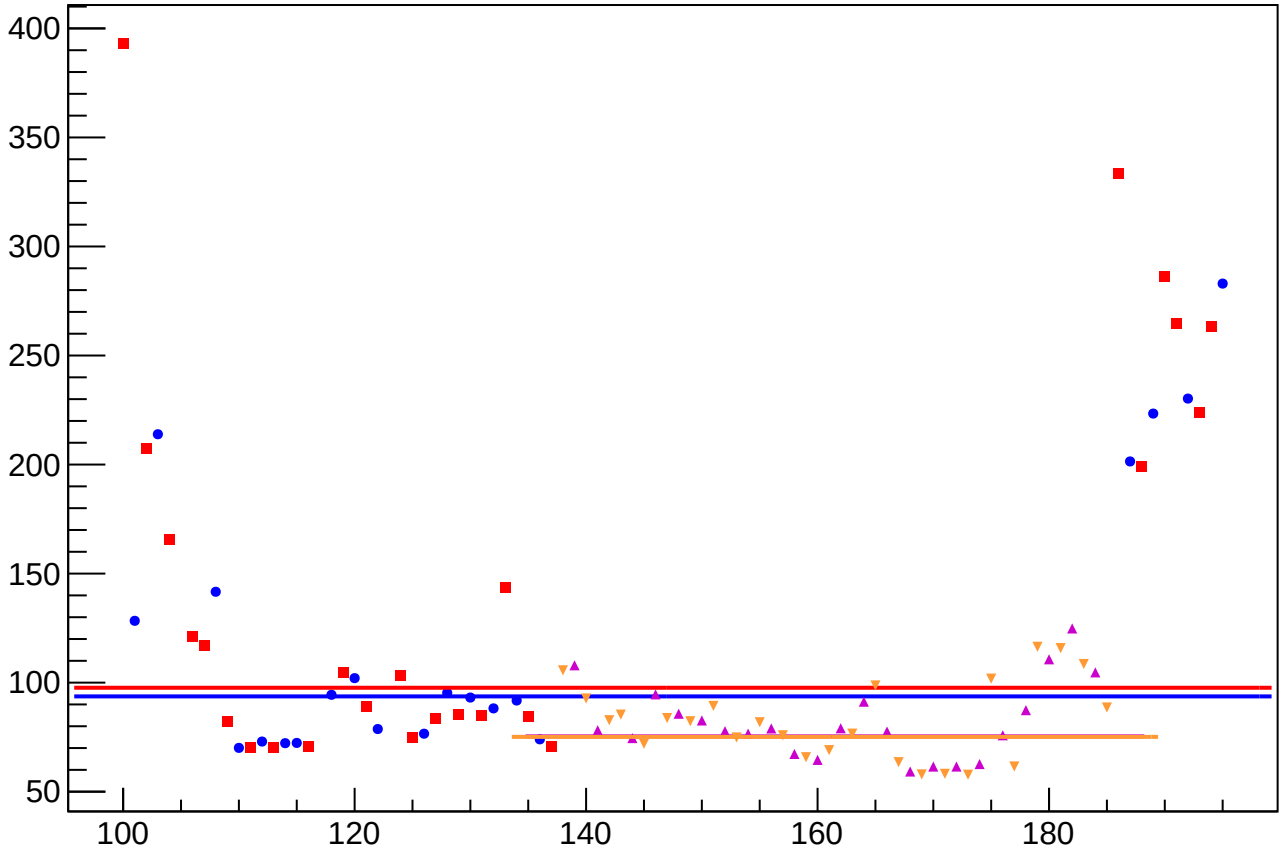
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.393+/-15.623 χ^2/NDF: 63.3/44

All: 9.221+/-11.170 χ^2/NDF: 161.9/92

- sign -49.505+/-15.975 χ^2/NDF: 72.2/47

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: 97.654+/-0.023 χ^2/NDF: 3877080.8/24

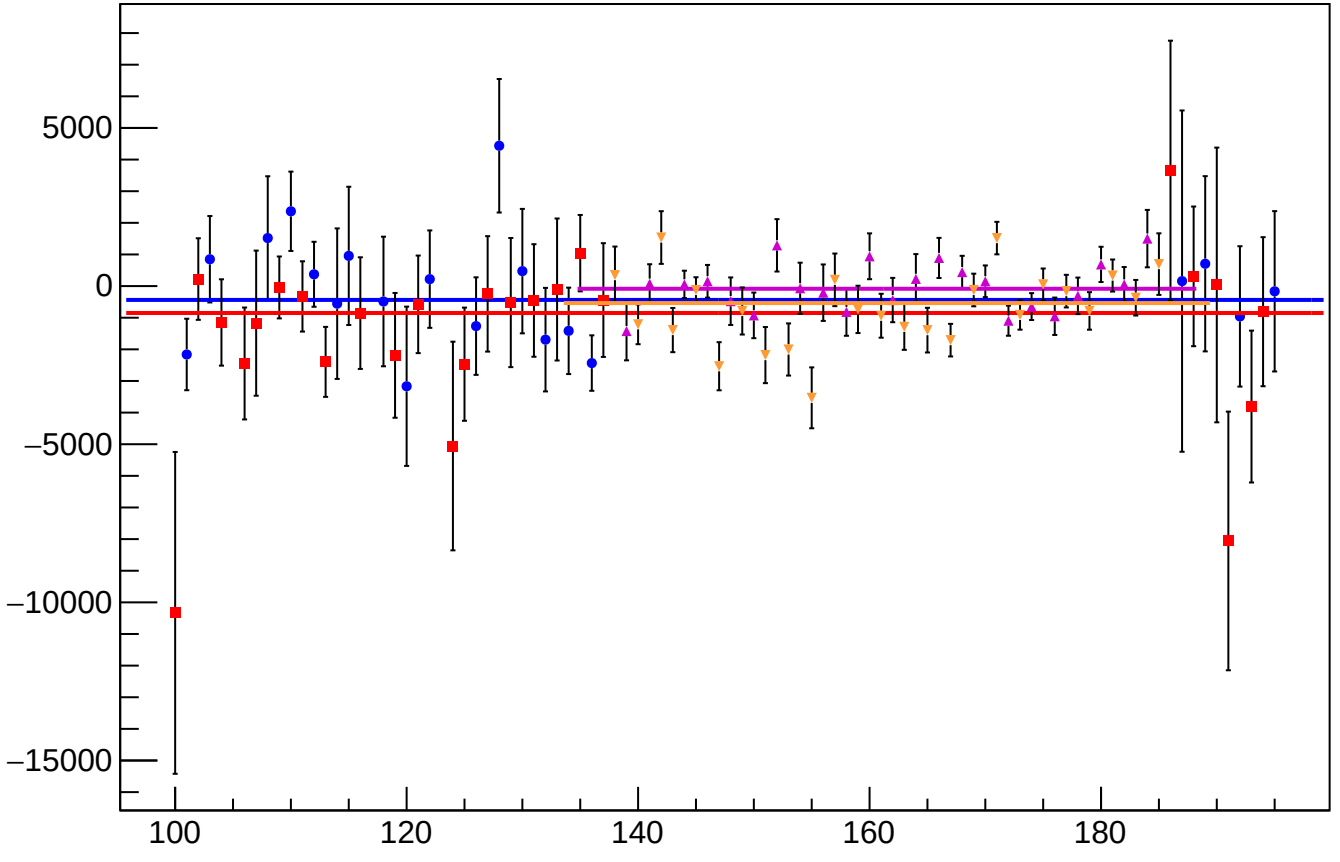
Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 79.300+/-0.011 χ^2/NDF: 4930262.3/44

All: 79.947+/-0.008 χ^2/NDF: 10741756.2/92

- sign 80.623+/-0.011 χ^2/NDF: 5804484.4/47

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -437.230+/-353.451 χ^2/NDF: 24.0/19

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

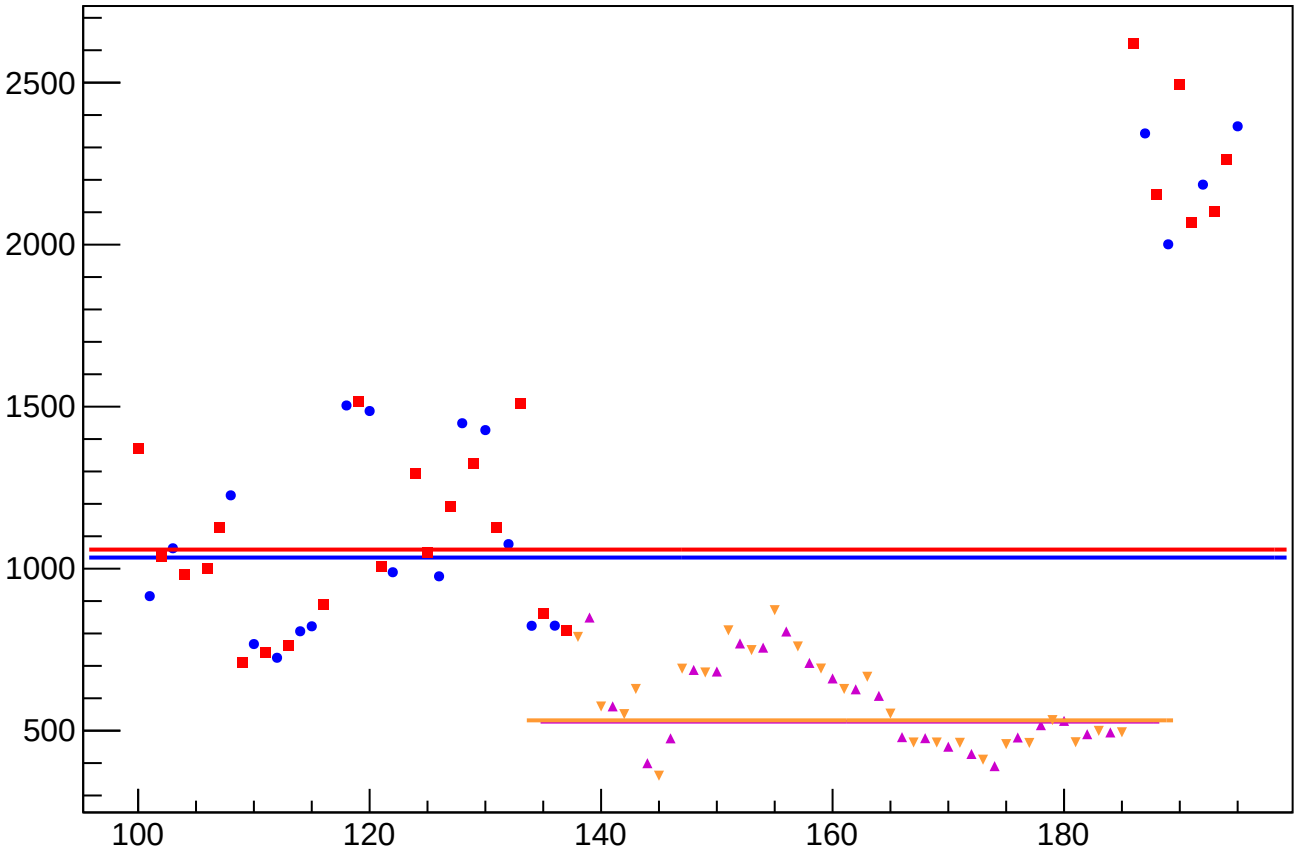
Right Out: -850.594+/-342.211 χ^2/NDF: 19.8/24

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -525.805+/-117.404 χ^2/NDF: 91.1/44

All: -354.116+/-83.609 χ^2/NDF: 147.1/92

- sign -177.437+/-119.098 χ^2/NDF: 51.6/47



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: 1058.936+/-0.242 χ^2/NDF: 2958809.2/24

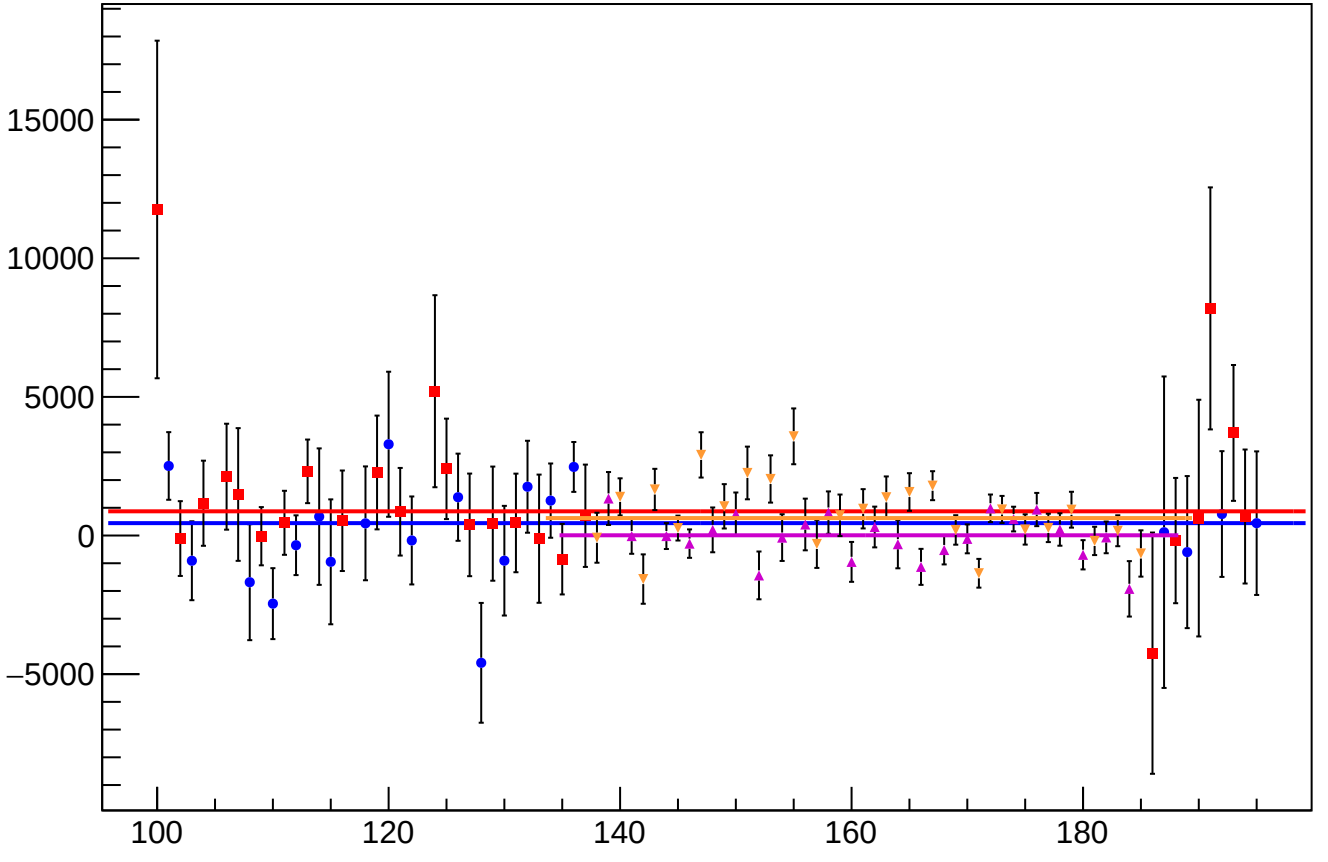
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

\+ sign 587.309+/-0.083 χ^2/NDF: 7930323.5/44

All: 589.766+/-0.059 χ^2/NDF: 16922717.0/92

\- sign 592.294+/-0.084 χ^2/NDF: 8990616.0/47

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: 873.094+/-357.286 χ^2/NDF: 17.4/24

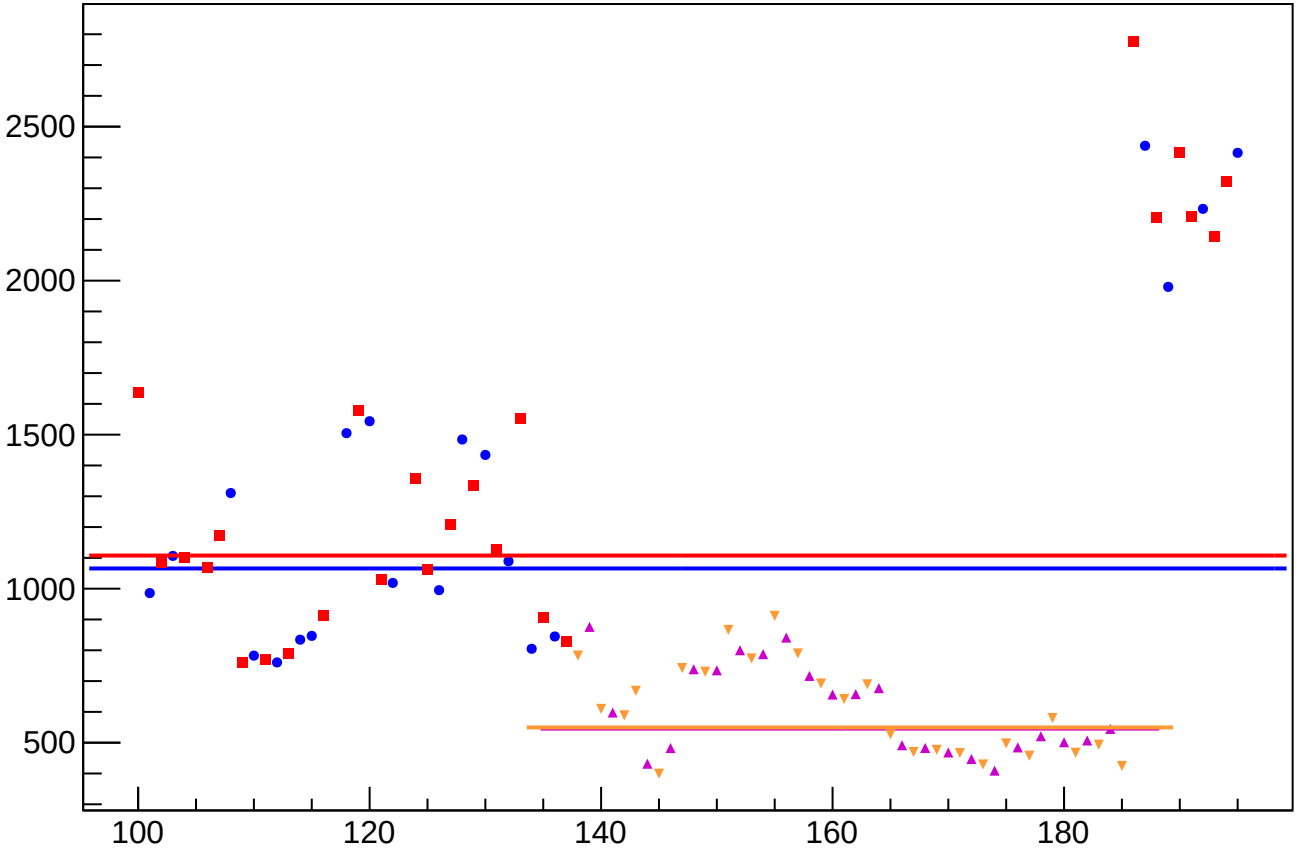
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 609.062+/-121.466 χ^2/NDF: 89.8/44

All: 363.785+/-86.507 χ^2/NDF: 148.0/92

- sign 111.322+/-123.233 χ^2/NDF: 49.9/47

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: 1107.526+/-0.253 χ^2/NDF: 2846870.4/24

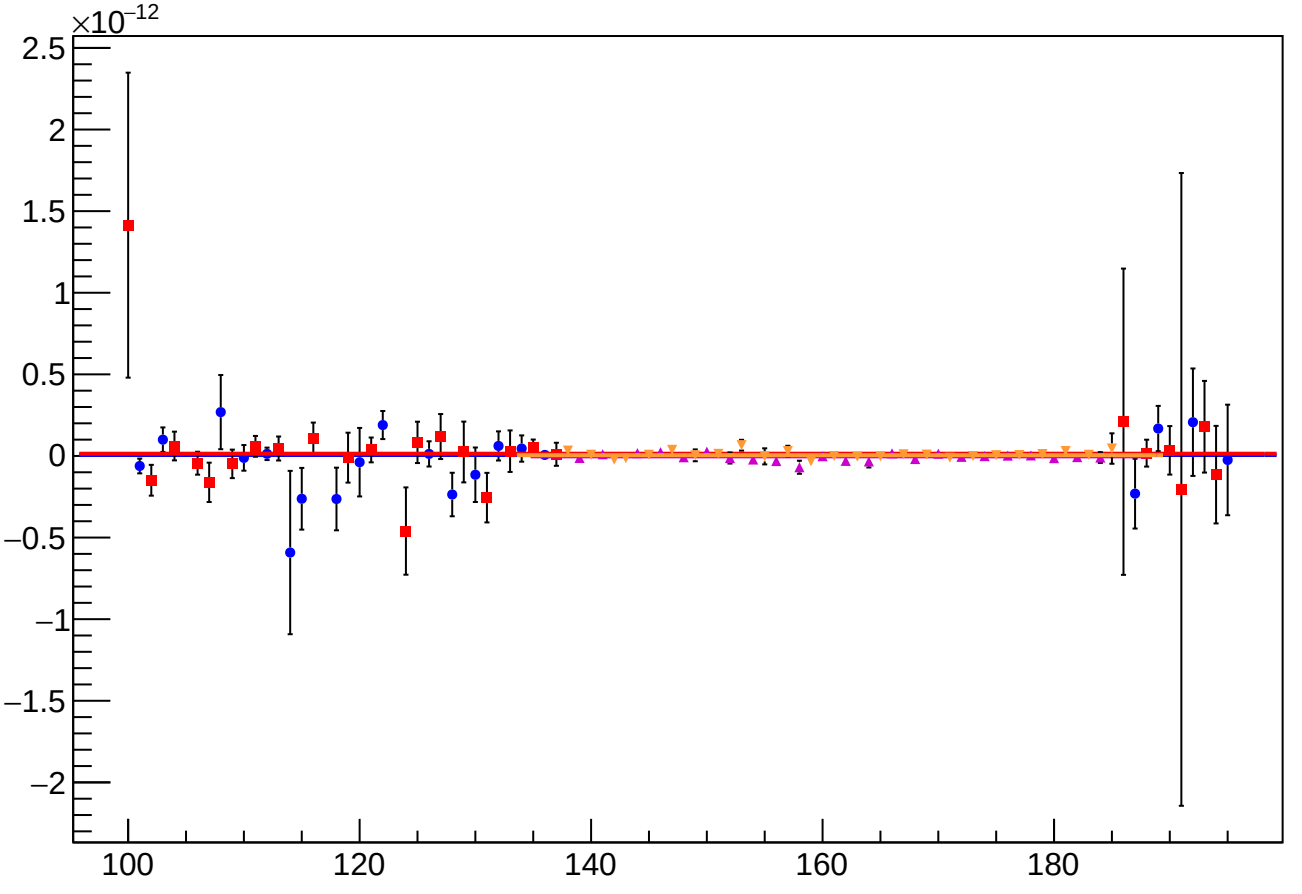
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 606.960+/-0.086 χ^2/NDF: 7880319.1/44

All: 609.712+/-0.061 χ^2/NDF: 16900726.8/92

- sign 612.545+/-0.087 χ^2/NDF: 9018324.2/47

asym_sam_37_avg_reg_vs_cor_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:15.6/24

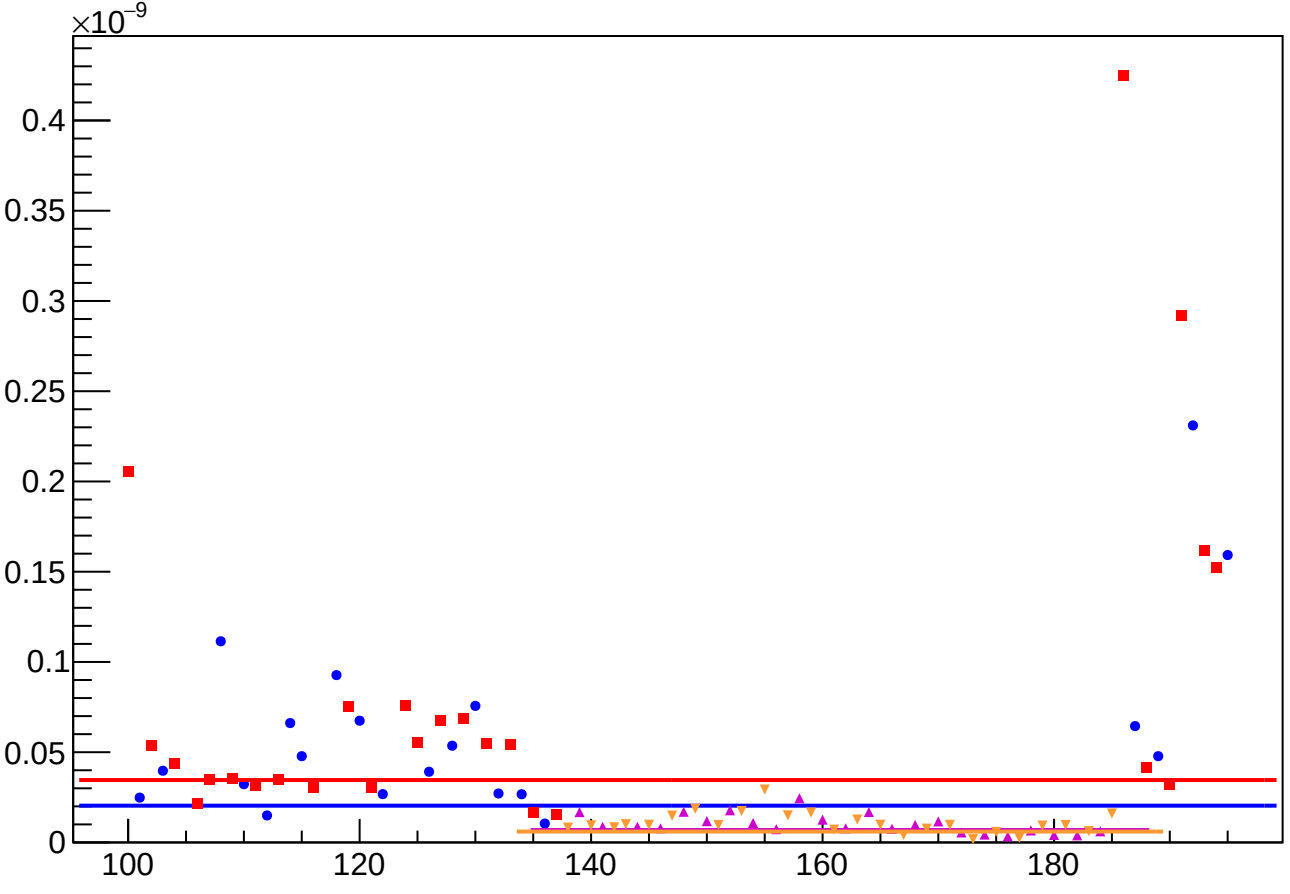
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/24

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: 80.4/92

- sign -0.000+/-0.000 χ^2/NDF: 39.7/47



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: 2314414.2/24

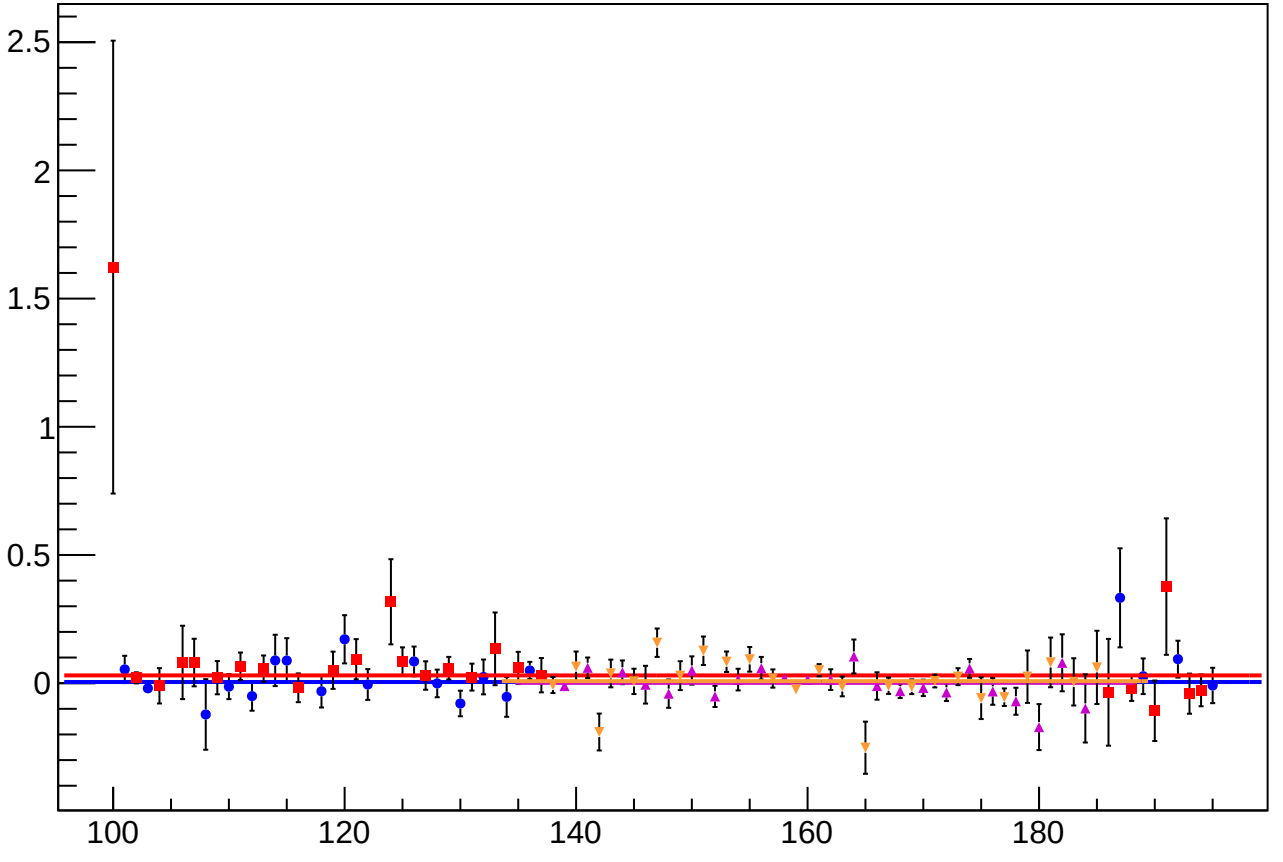
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8854901.4/44

All: 0.000+/-0.000 χ^2/NDF: 17478701.2/92

- sign 0.000+/-0.000 χ^2/NDF: 8529869.9/47

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: 0.030+/-0.012 χ^2/NDF: 17.4/24

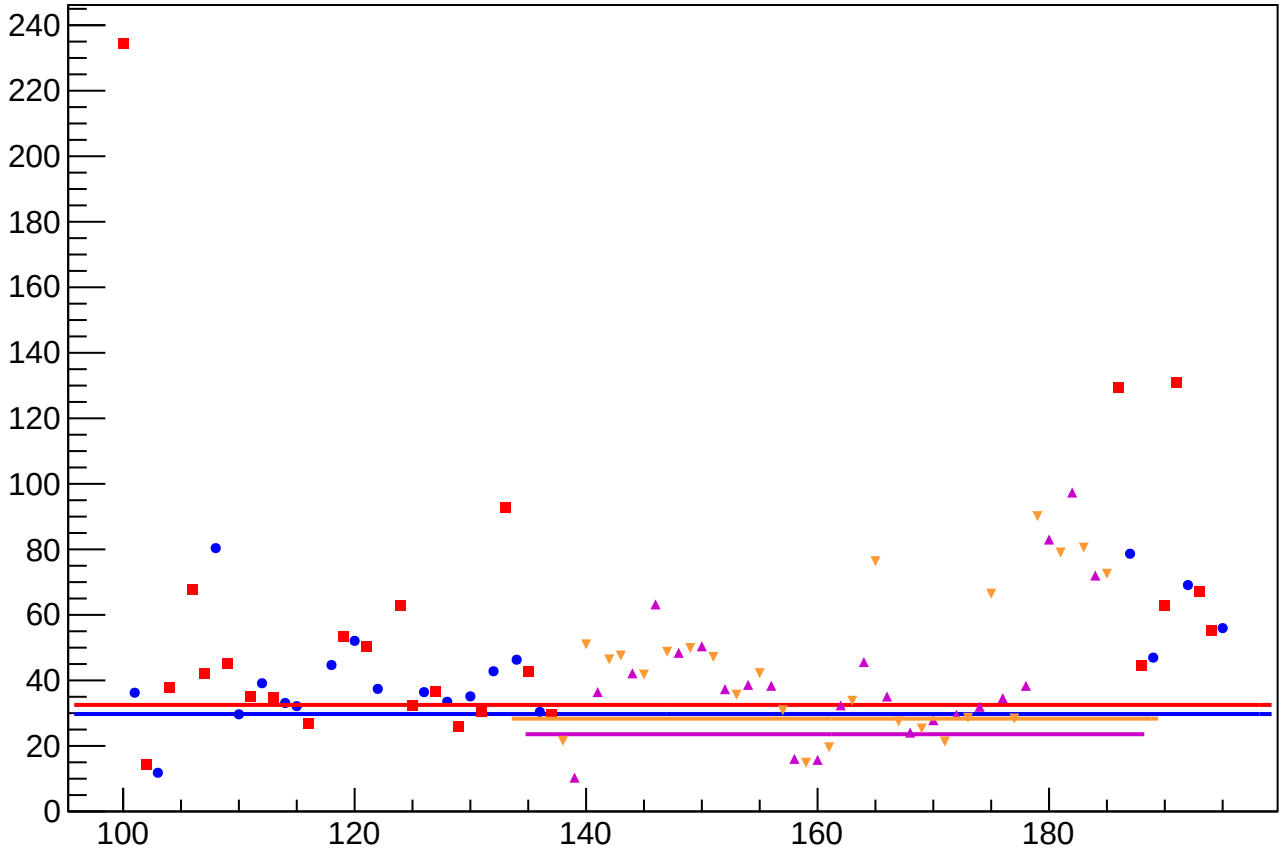
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 115.9/92

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47

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: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

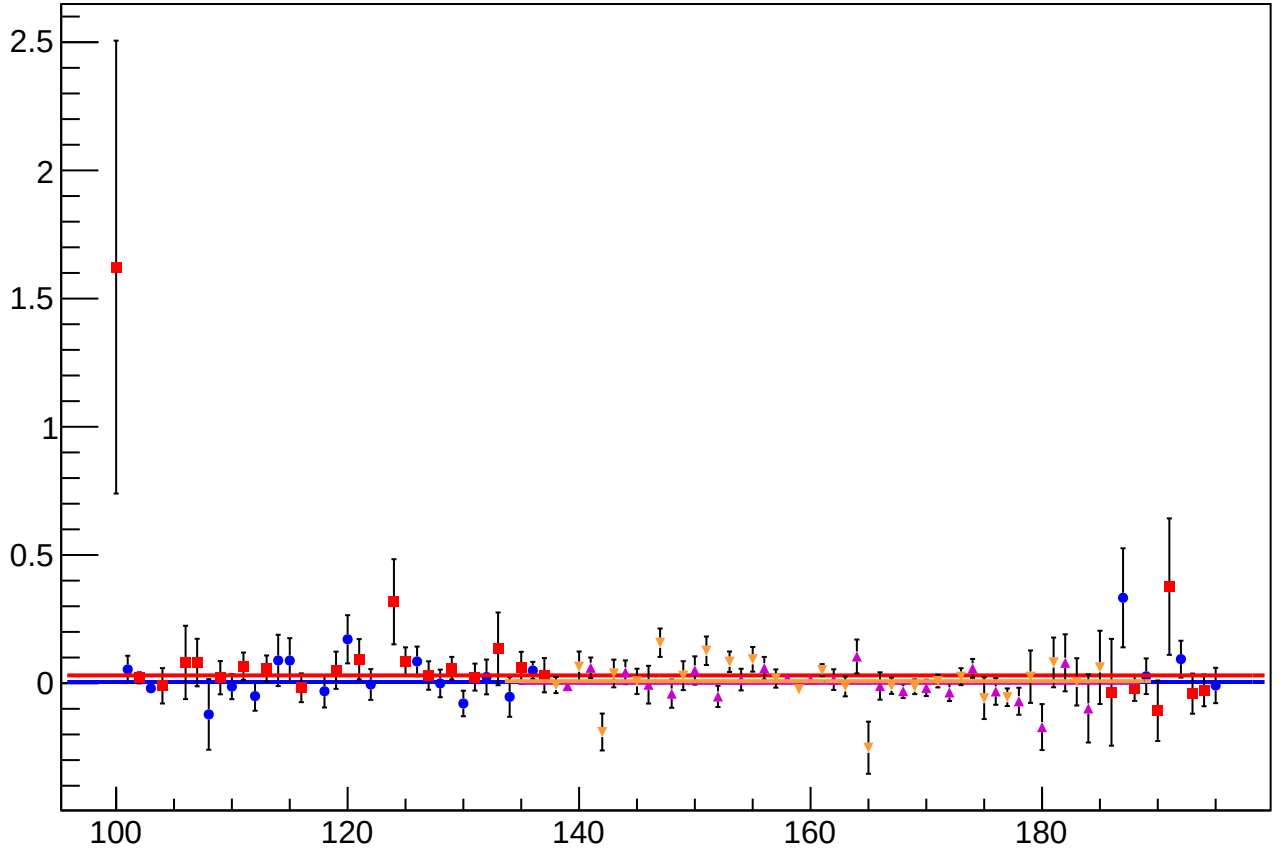
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.751+/-0.004 χ^2/NDF: 10459769.4/44

All: 27.175+/-0.003 χ^2/NDF: 24046070.7/92

- sign 25.808+/-0.004 χ^2/NDF: 13354626.7/47

asym_sam_37_avg_dit_vs_eigen_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: 0.030+/-0.012 χ^2/NDF: 17.4/24

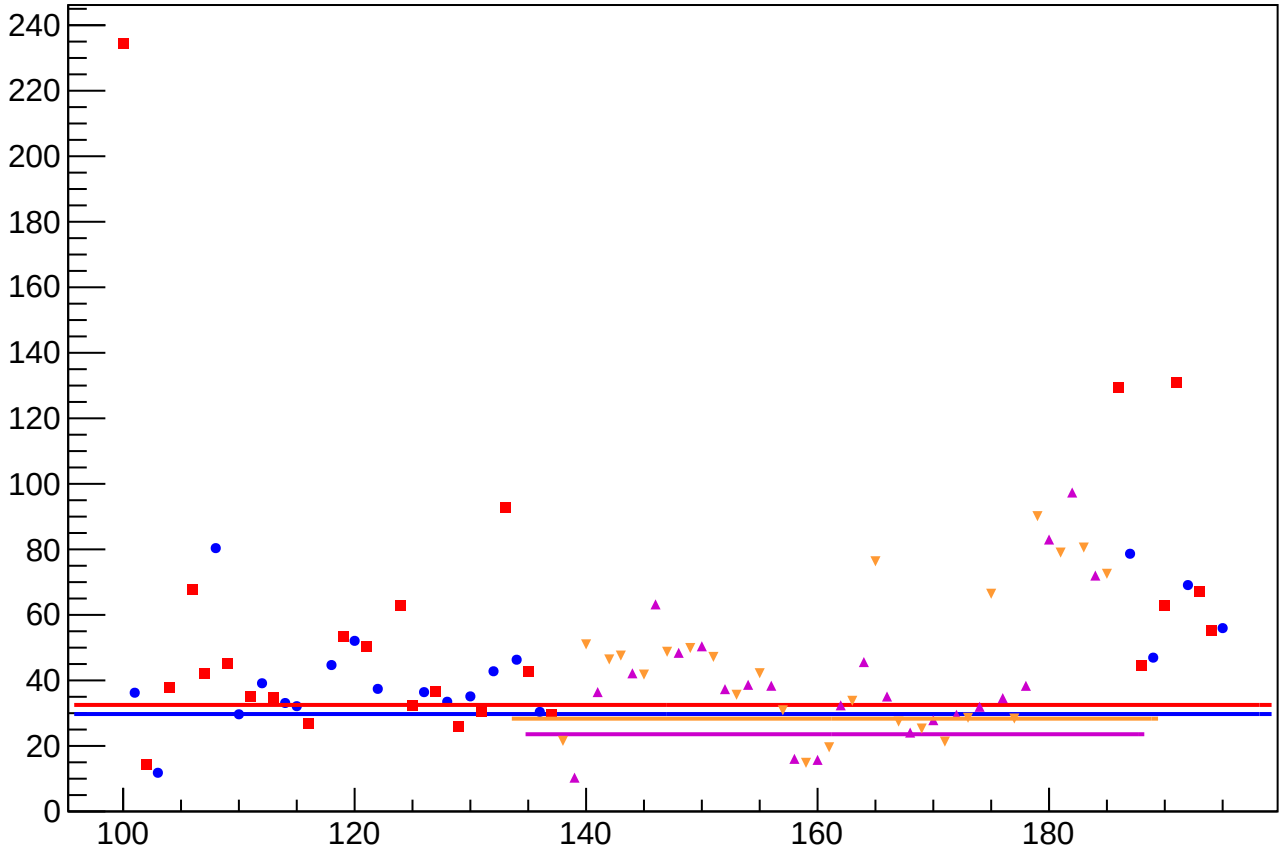
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 115.9/92

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47

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

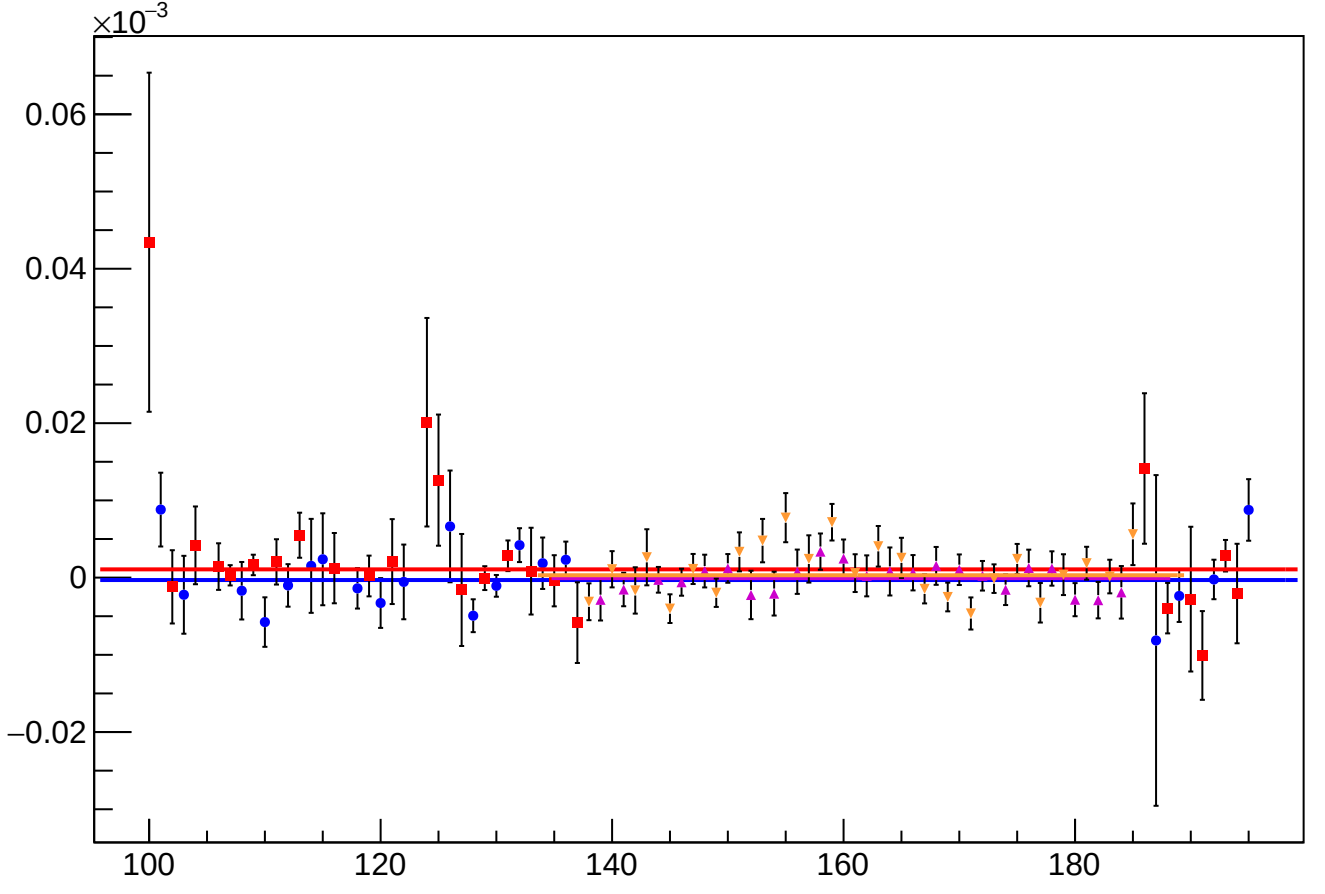
Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 28.751+/-0.004 χ^2/NDF: 10459769.4/44

All: 27.175+/-0.003 χ^2/NDF: 24046070.7/92

\- sign 25.808+/-0.004 χ^2/NDF: 13354626.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

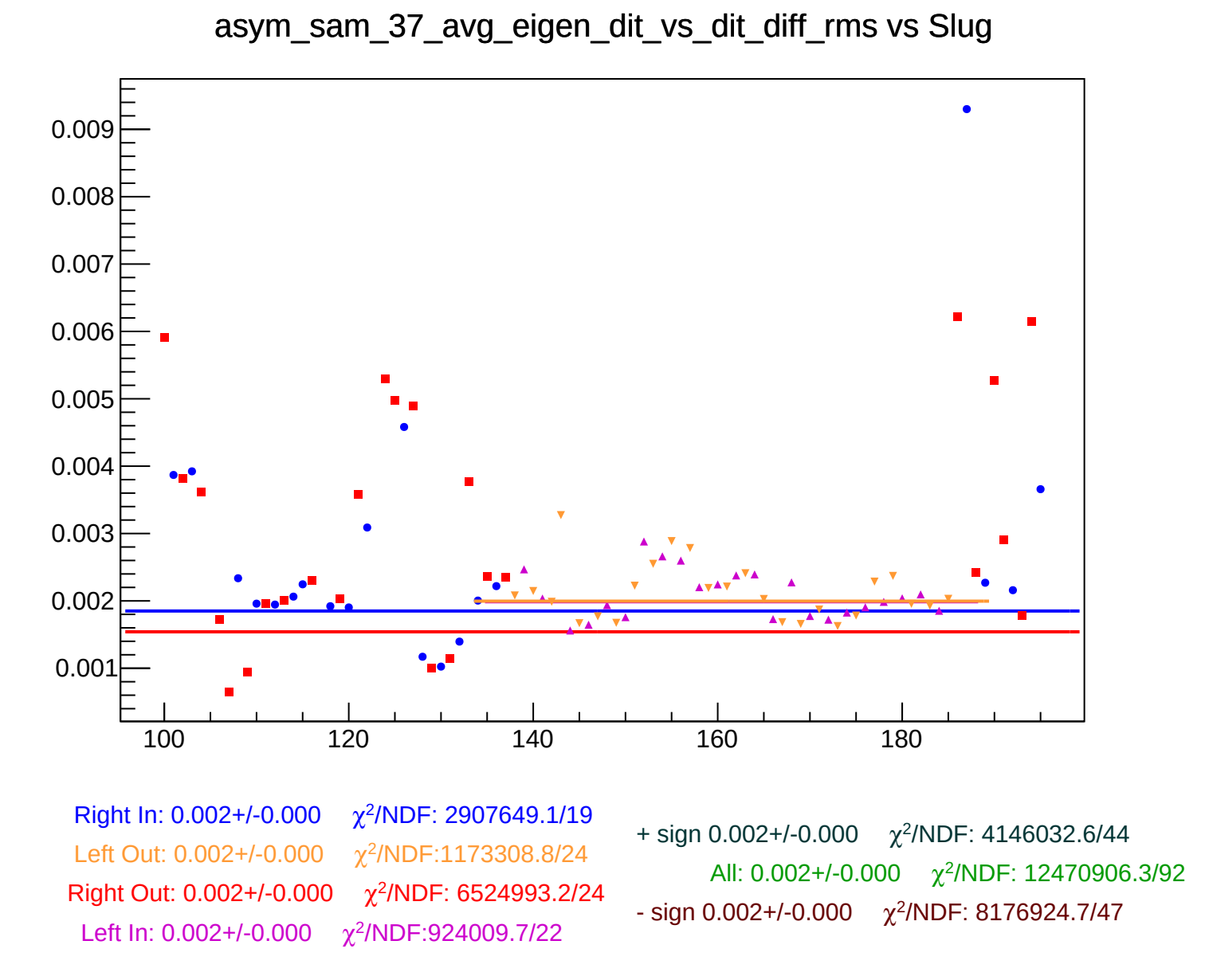
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

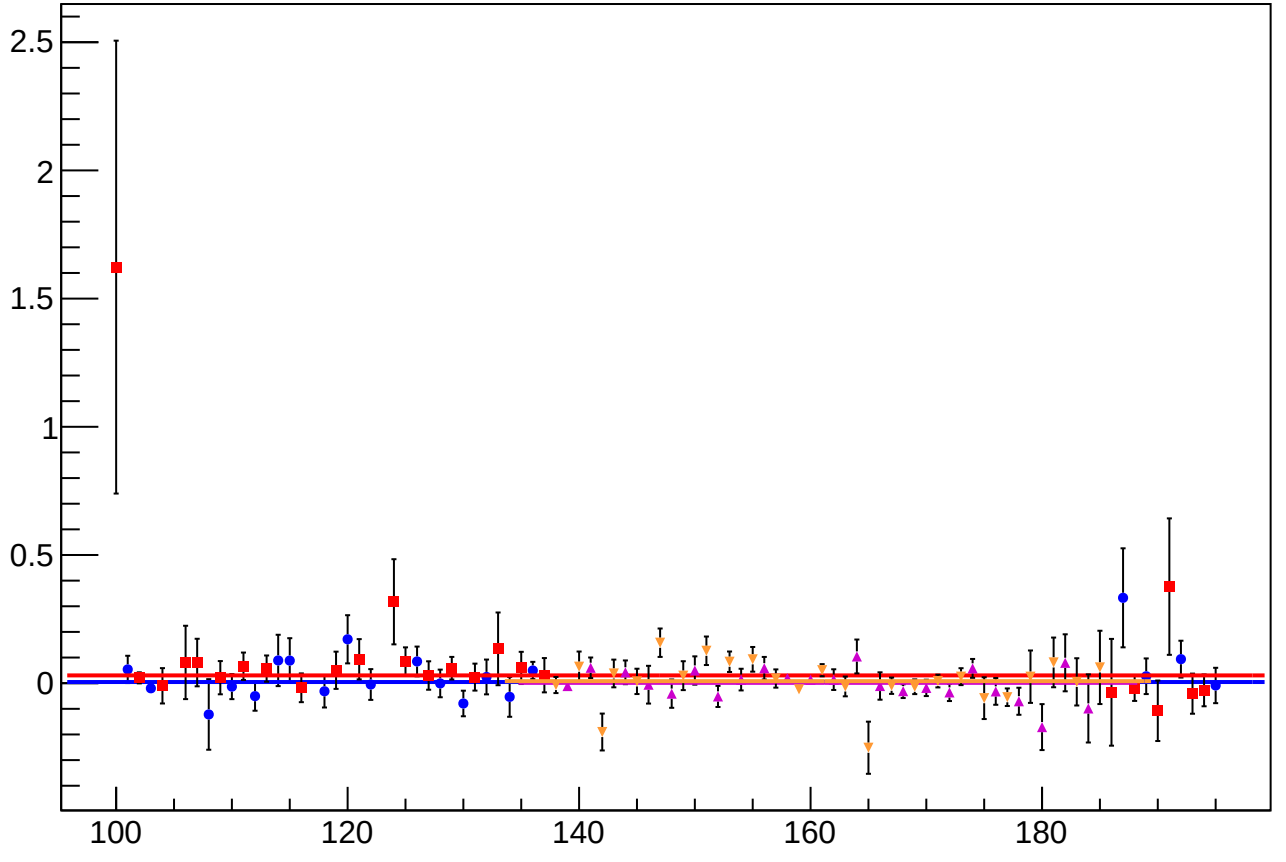
+ sign 0.000+/-0.000 χ^2/NDF: 72.0/44

All: 0.000+/-0.000 χ^2/NDF: 110.5/92

- sign 0.000+/-0.000 χ^2/NDF: 38.2/47


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
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: 6524993.2/24
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: 12470906.3/92
- sign 0.002+/-0.000 χ²/NDF: 8176924.7/47

asym_sam_37_avg_eigen_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: 0.030+/-0.012 χ^2/NDF: 17.4/24

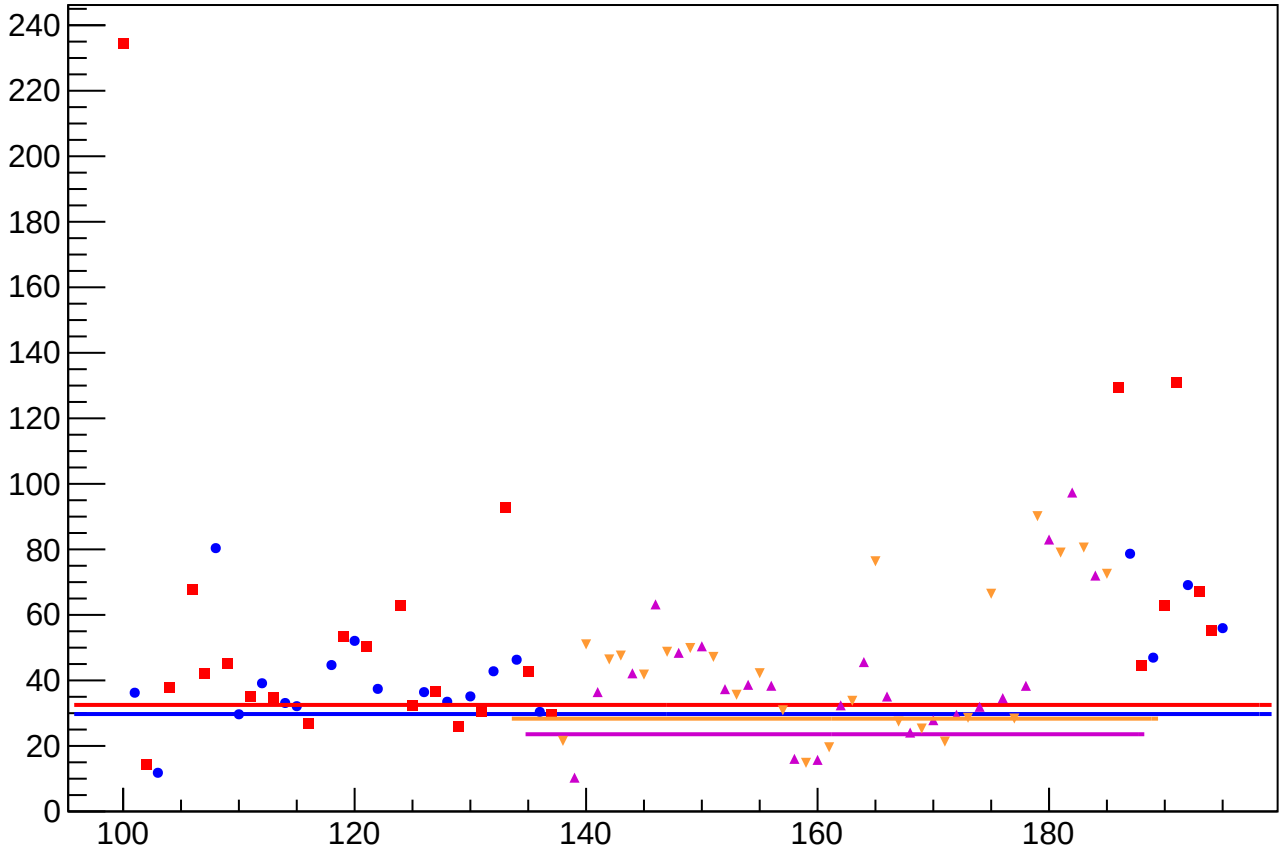
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/44

All: 0.008+/-0.004 χ^2/NDF: 115.9/92

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47

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: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

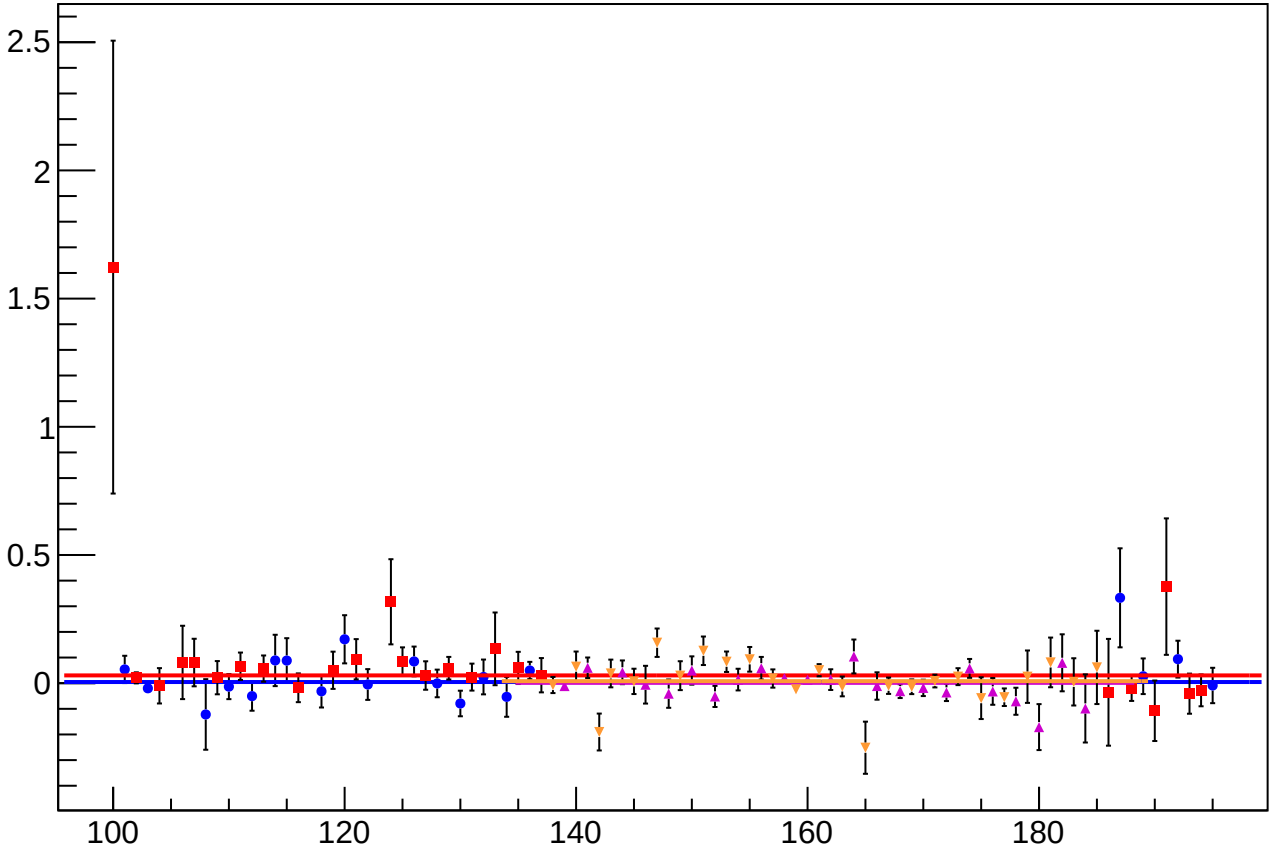
Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 28.751+/-0.004 χ^2/NDF: 10460492.8/44

All: 27.175+/-0.003 χ^2/NDF: 24047666.5/92

\- sign 25.807+/-0.004 χ^2/NDF: 13355503.6/47

asym_sam_37_avg_eigen_dit_vs_eigen_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

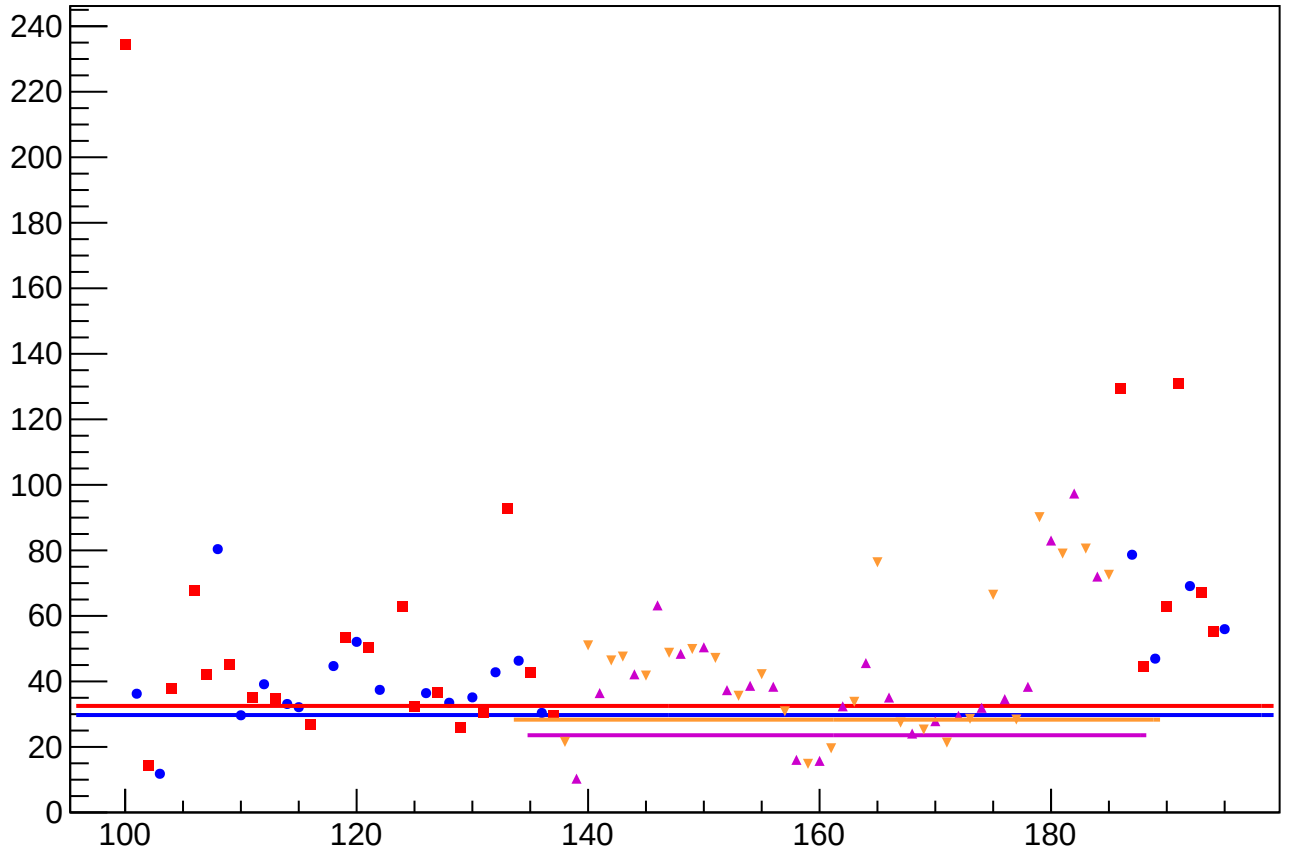
Right Out: 0.030+/-0.012 χ^2/NDF: 17.4/24

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: 115.9/92

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47



Right In: 29.736+/-0.008 χ^2/NDF: 3650737.7/19

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

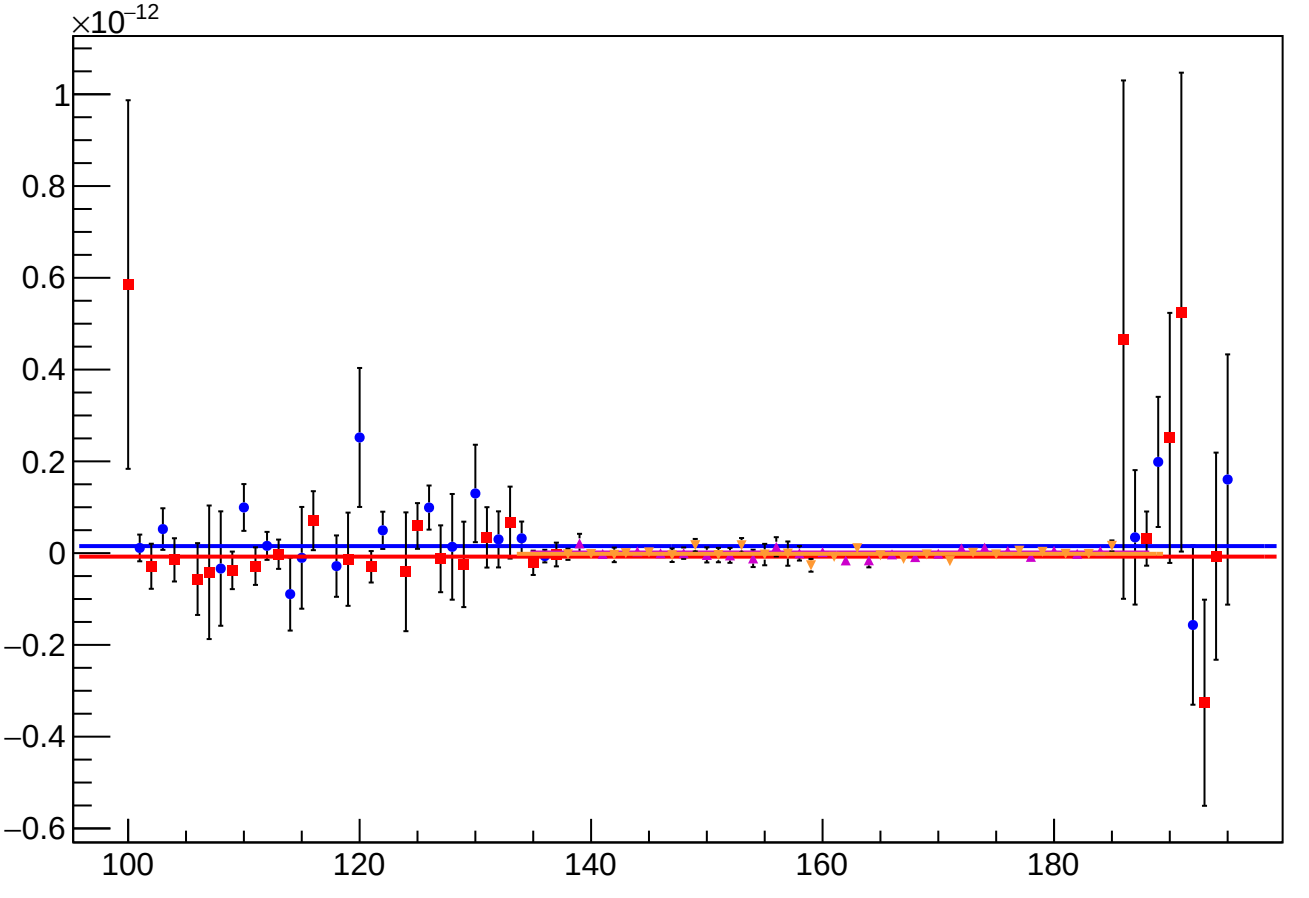
Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.751+/-0.004 χ^2/NDF: 10460492.8/44

All: 27.175+/-0.003 χ^2/NDF: 24047666.5/92

- sign 25.807+/-0.004 χ^2/NDF: 13355503.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

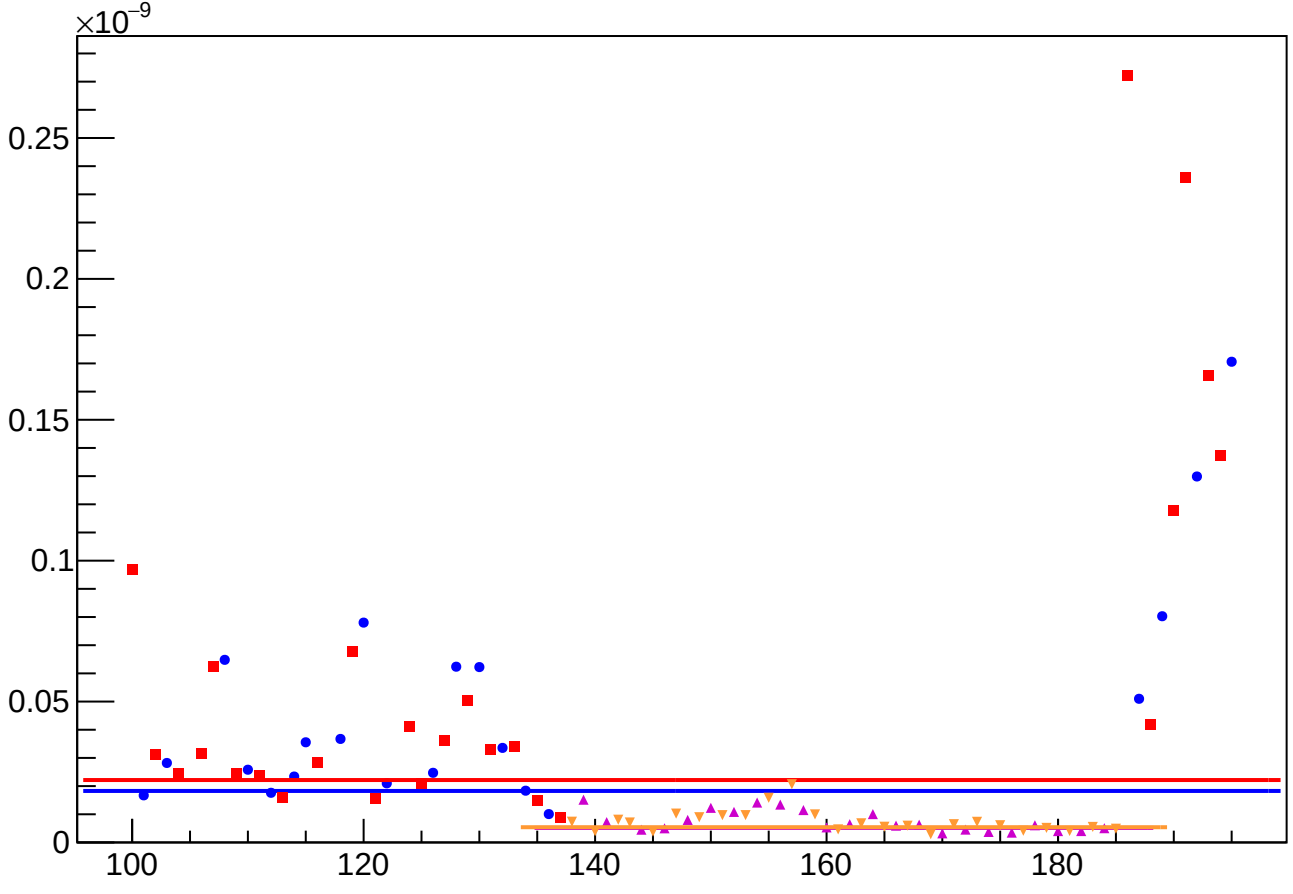
Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/24

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: 71.0/92

- sign 0.000+/-0.000 χ^2/NDF: 30.7/47



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: 4503062.7/24

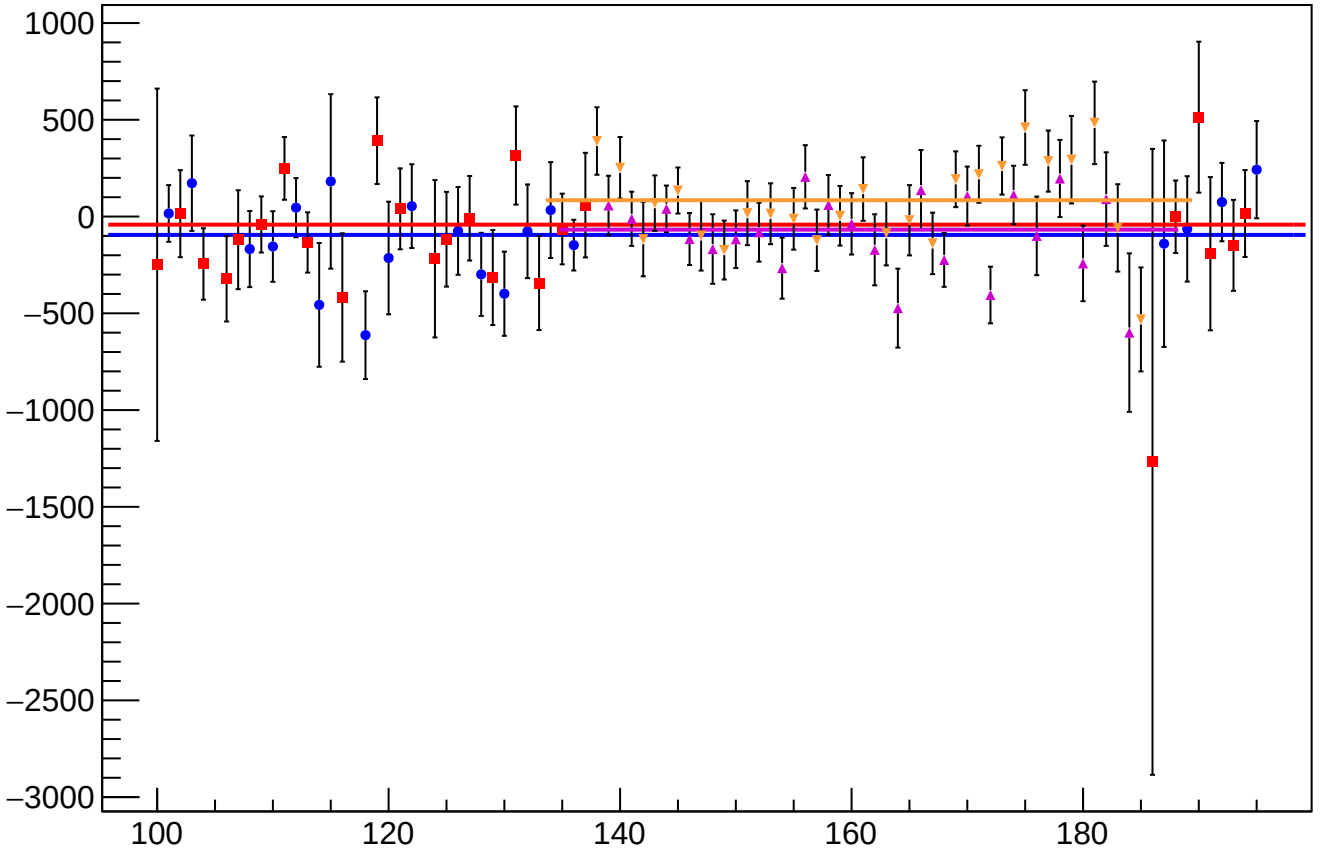
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11087103.7/44

All: 0.000+/-0.000 χ^2/NDF: 23991165.6/92

- sign 0.000+/-0.000 χ^2/NDF: 12884765.0/47

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: -41.944+/-45.584 χ^2/NDF: 20.1/24

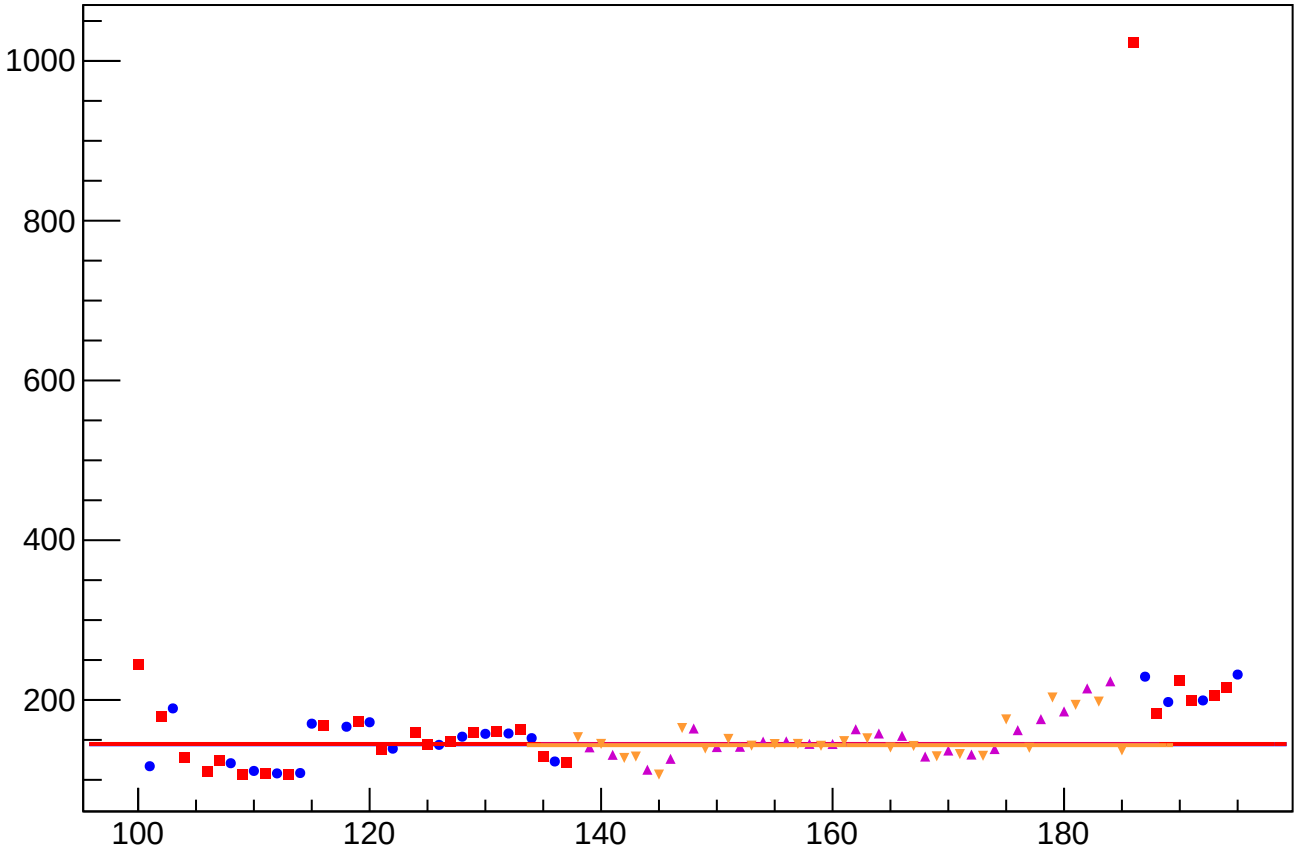
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 26.218+/-27.152 χ^2/NDF: 59.5/44

All: -15.829+/-19.260 χ^2/NDF: 111.2/92

- sign -58.411+/-27.324 χ^2/NDF: 46.8/47

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

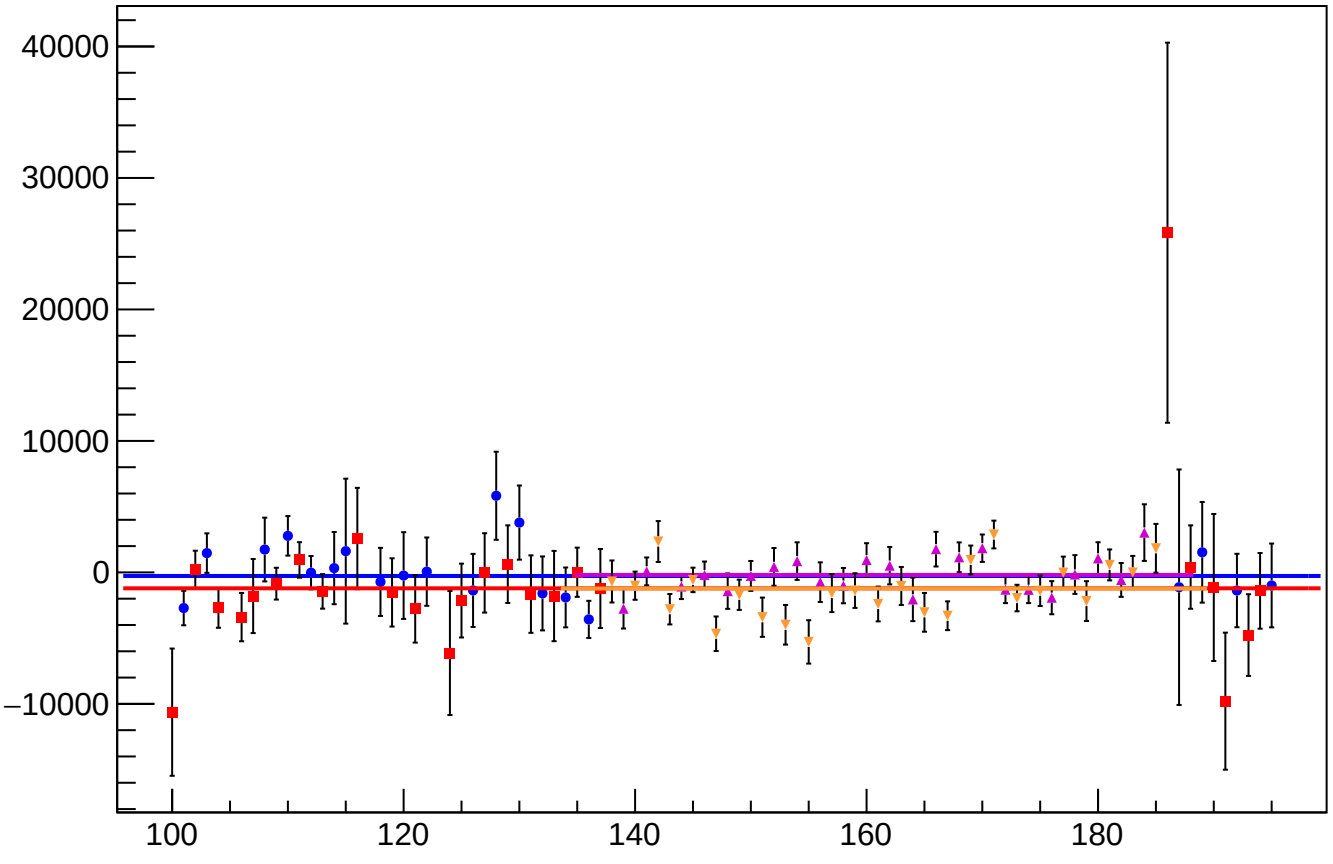
Right Out: 144.910+/-0.032 χ^2/NDF: 1728573.4/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751484.6/44

All: 144.112+/-0.014 χ^2/NDF: 4183667.9/92

- sign 144.436+/-0.019 χ^2/NDF: 2431624.0/47



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: -1210.703+/-449.222 χ^2/NDF: 21.2/24

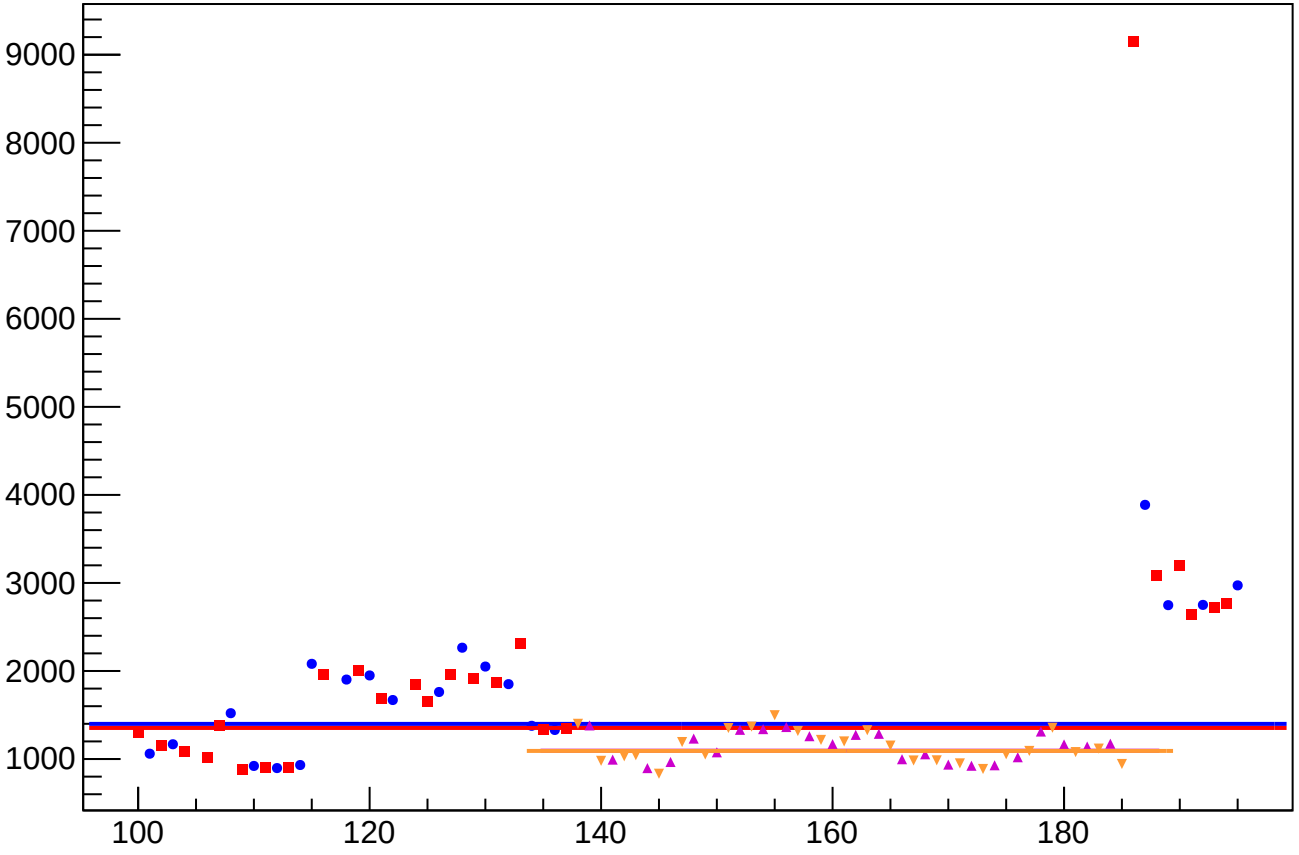
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.420+/-223.267 χ^2/NDF: 84.4/44

All: -735.764+/-158.247 χ^2/NDF: 136.0/92

- sign -447.387+/-224.327 χ^2/NDF: 48.4/47

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: 1352.868+/-0.318 χ^2/NDF: 3940852.8/24

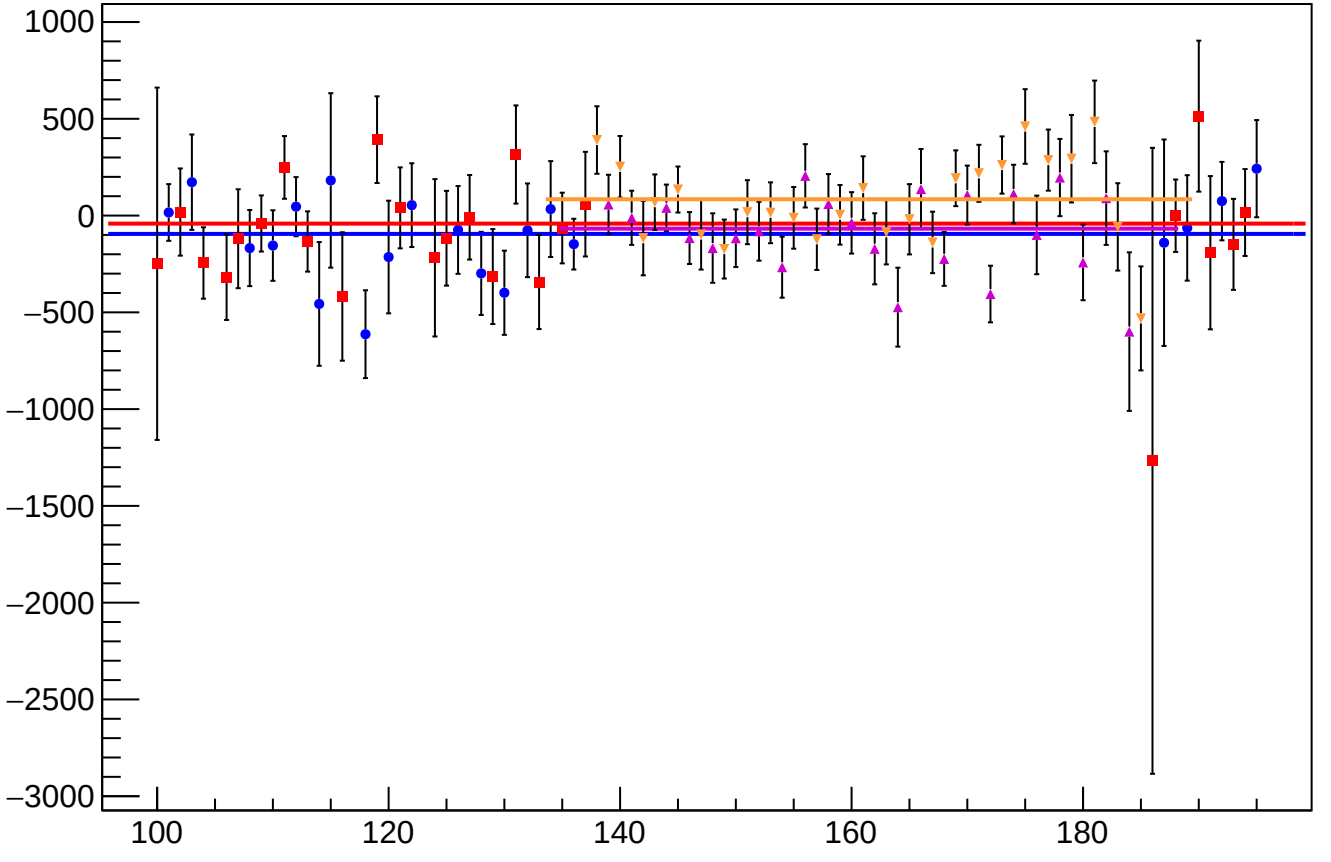
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1157.575+/-0.158 χ^2/NDF: 4158951.6/44

All: 1158.241+/-0.112 χ^2/NDF: 9329503.0/92

- sign 1158.912+/-0.159 χ^2/NDF: 5170515.7/47

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

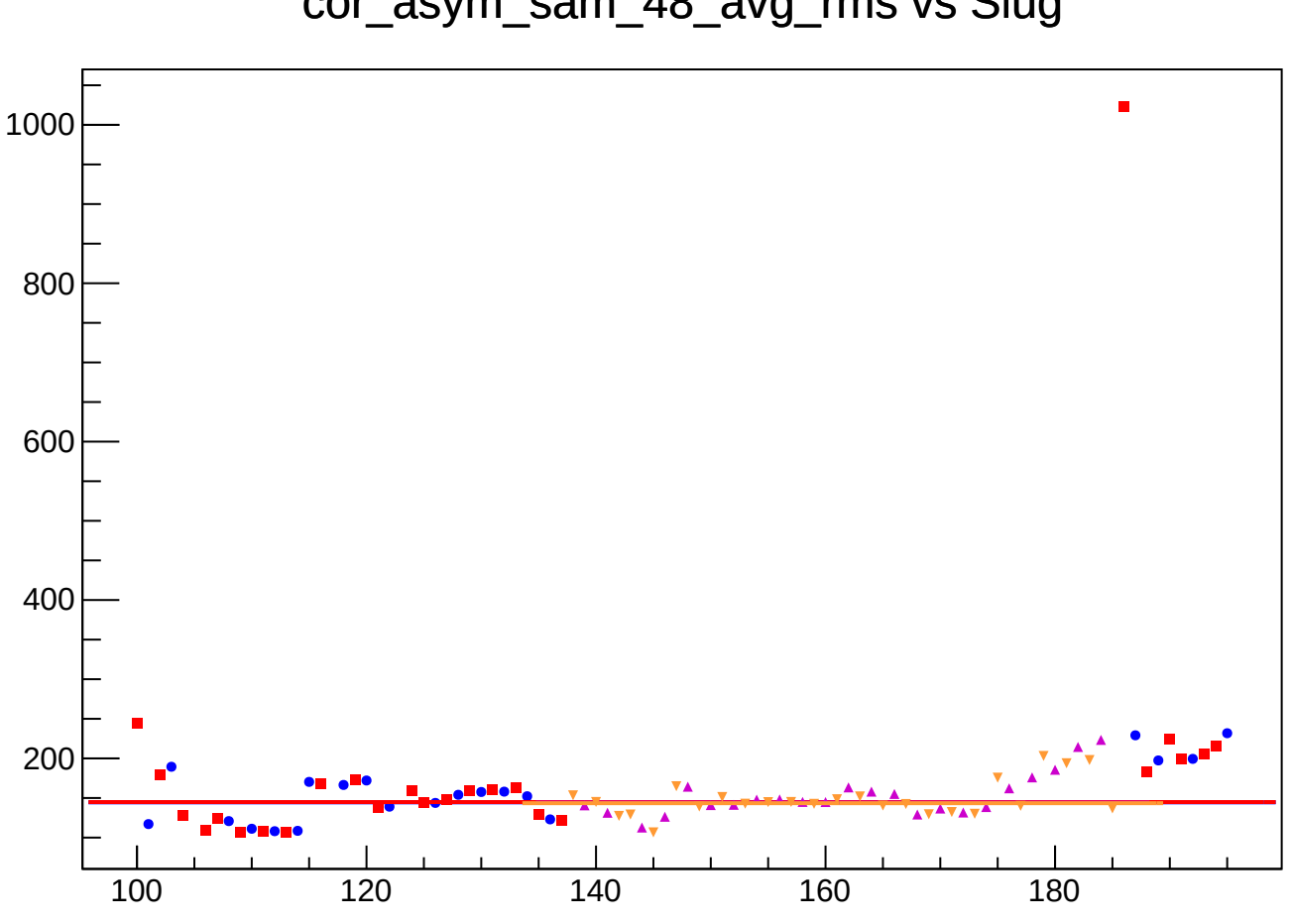
Right Out: -41.578+/-45.591 χ^2/NDF: 20.0/24

Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 26.226+/-27.152 χ^2/NDF: 59.5/44

All: -15.759+/-19.260 χ^2/NDF: 111.1/92

- sign -58.282+/-27.326 χ^2/NDF: 46.8/47



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: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

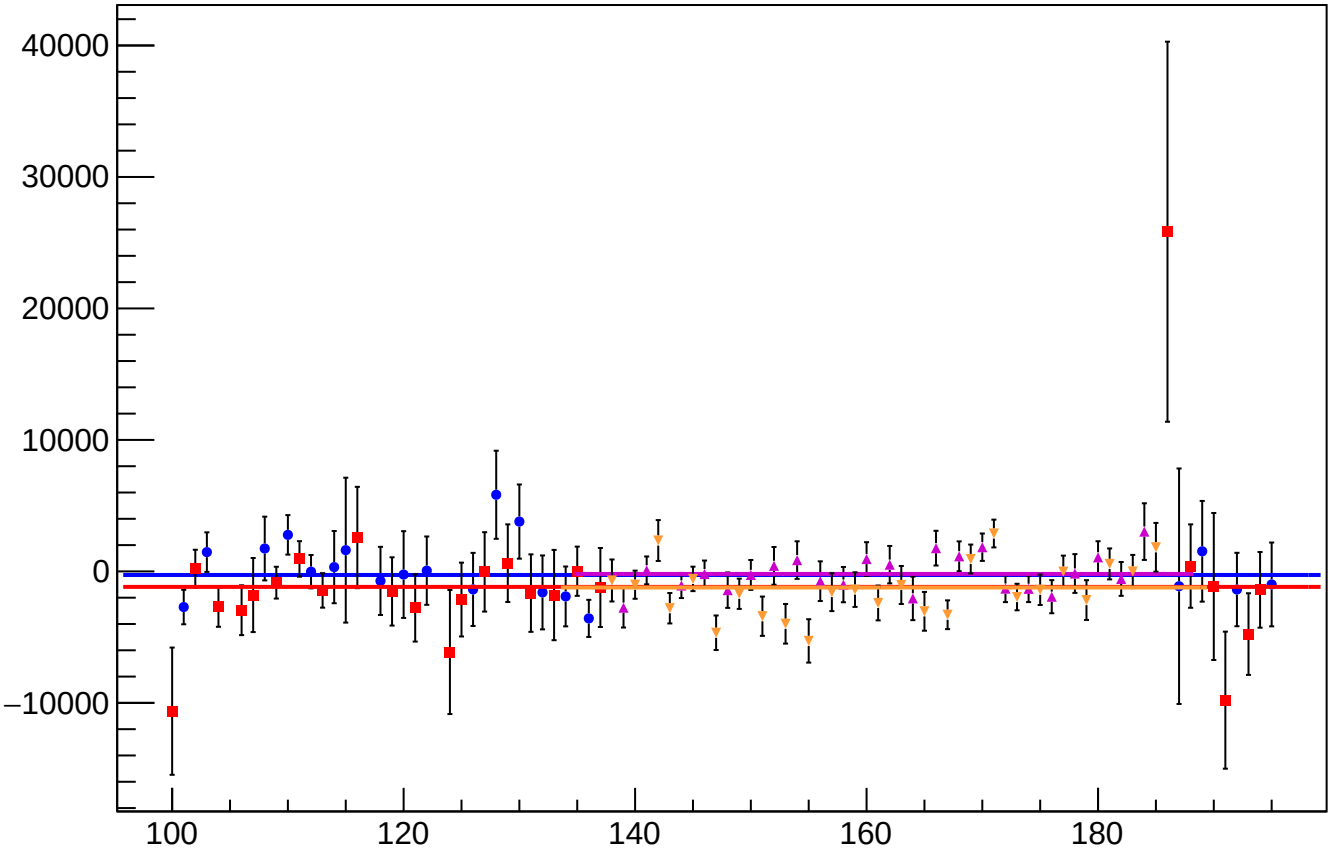
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751487.4/44

All: 144.102+/-0.014 χ^2/NDF: 4188060.6/92

- sign 144.416+/-0.019 χ^2/NDF: 2436049.0/47

asym_sam_48_avg_cor_correction_mean vs Slug



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: -1178.551+/-450.037 χ^2/NDF: 20.6/24

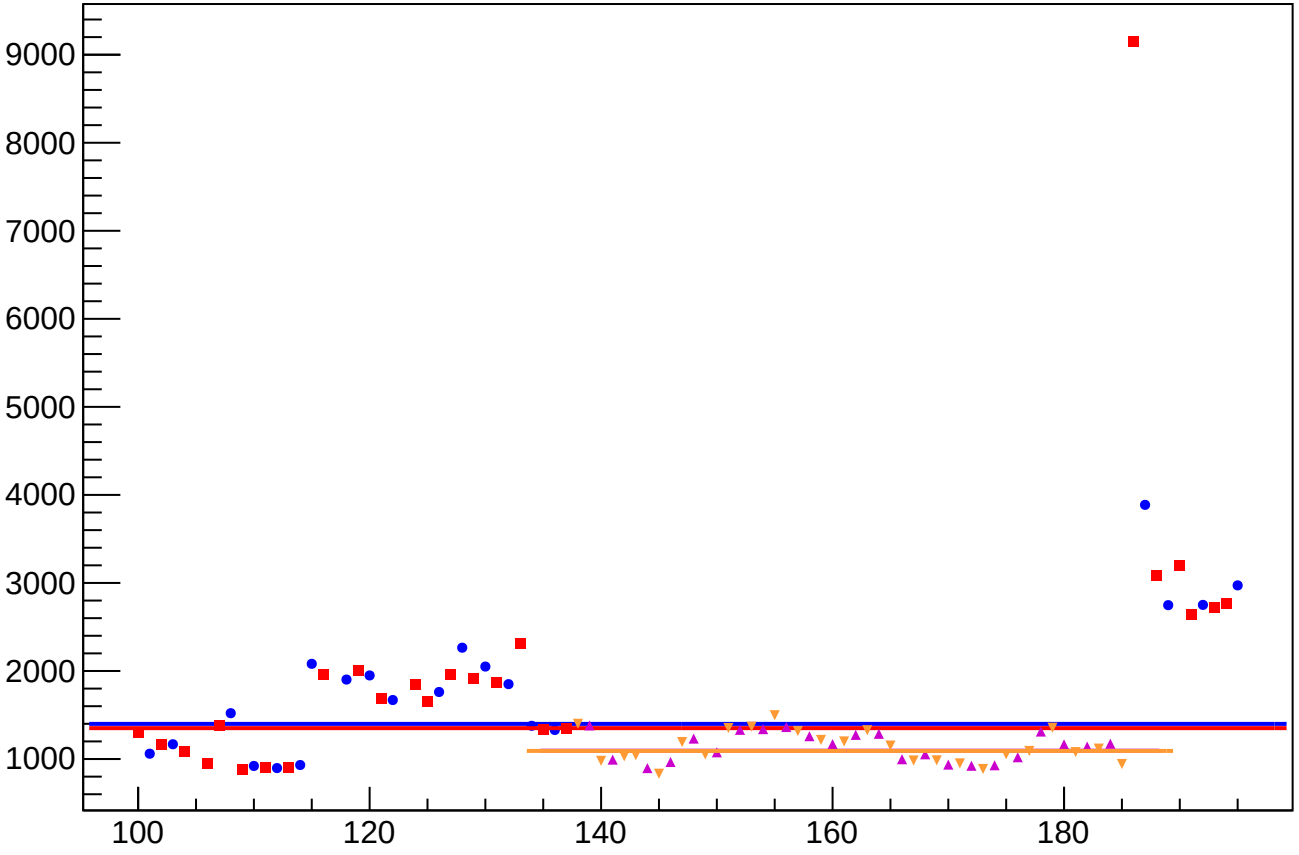
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.423+/-223.267 χ^2/NDF: 84.4/44

All: -731.575+/-158.283 χ^2/NDF: 135.3/92

- sign -438.705+/-224.428 χ^2/NDF: 47.5/47

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: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

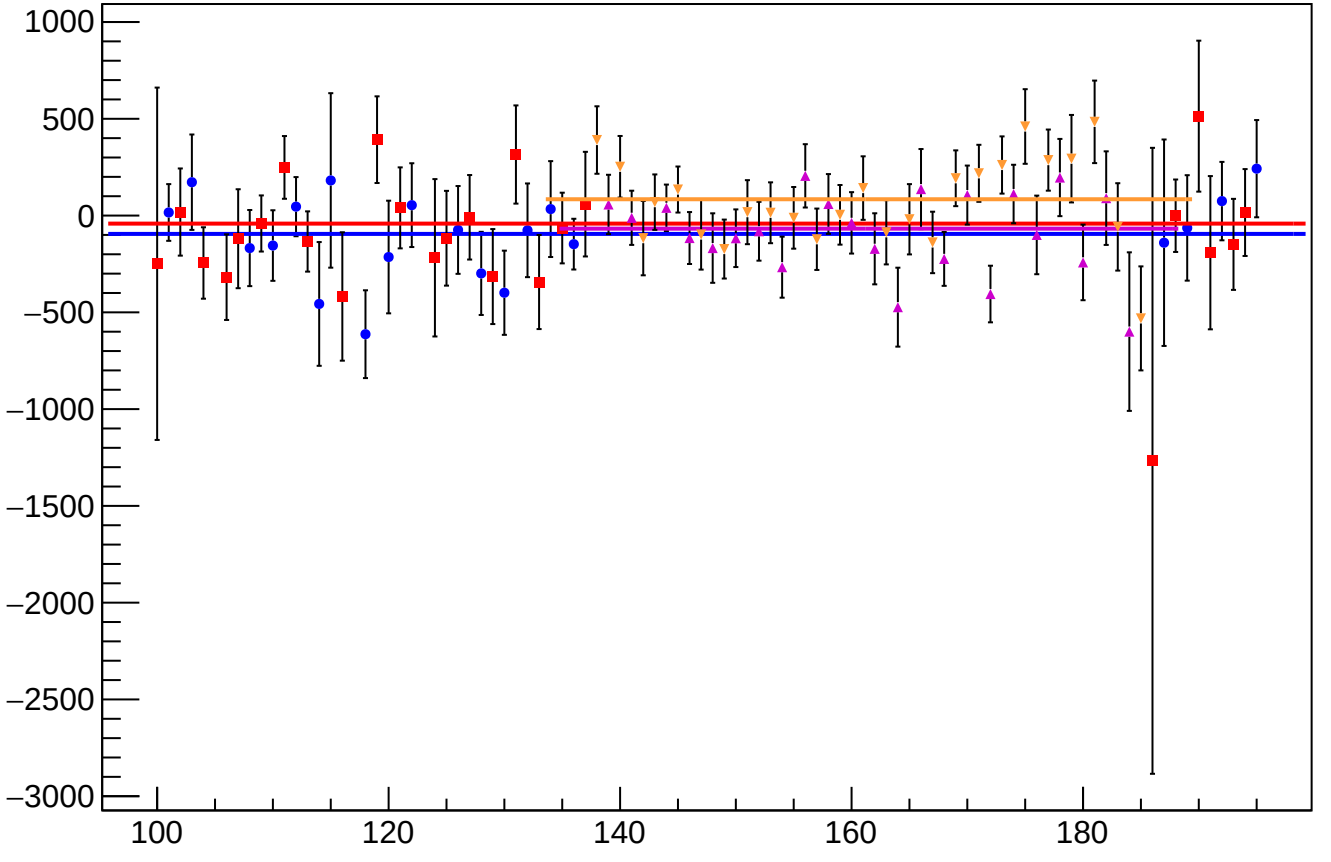
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

\+ sign 1157.577+/-0.158 χ^2/NDF: 4158951.9/44

All: 1157.879+/-0.112 χ^2/NDF: 9340736.2/92

\- sign 1158.185+/-0.159 χ^2/NDF: 5181776.9/47

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: -41.578+/-45.591 χ^2/NDF: 20.0/24

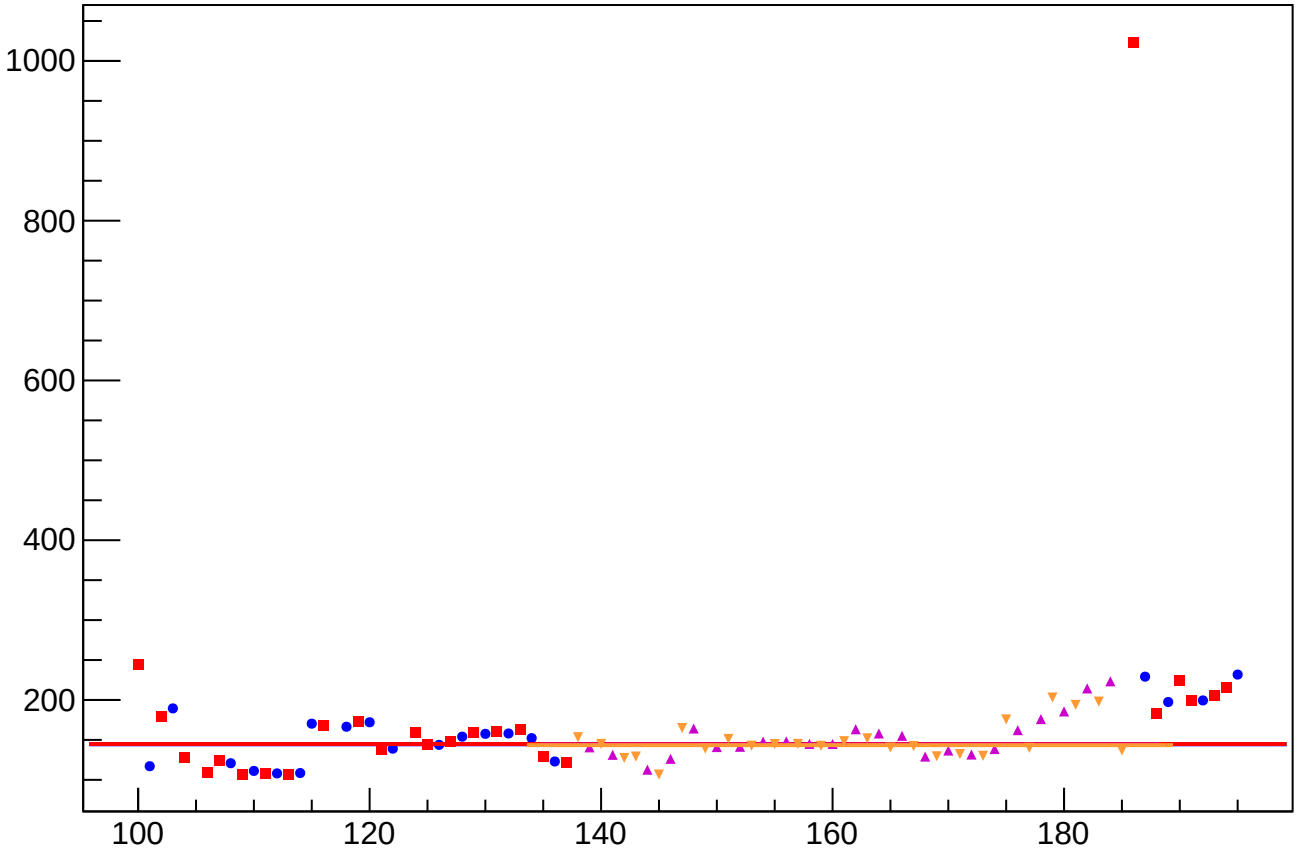
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 26.226+/-27.152 χ^2/NDF: 59.5/44

All: -15.759+/-19.260 χ^2/NDF: 111.1/92

- sign -58.282+/-27.326 χ^2/NDF: 46.8/47

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

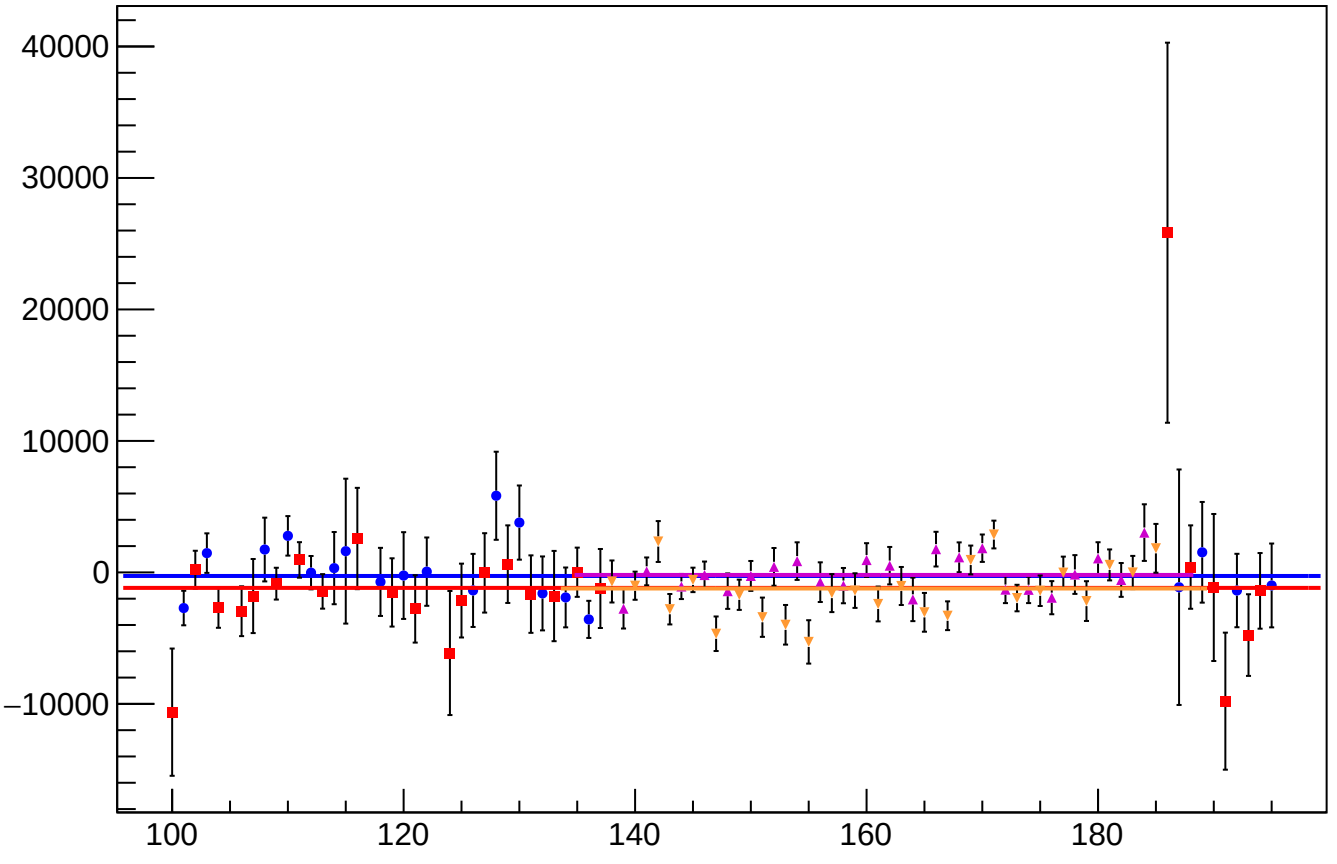
Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 143.792+/-0.019 χ^2/NDF: 1751487.4/44

All: 144.102+/-0.014 χ^2/NDF: 4188060.6/92

- sign 144.416+/-0.019 χ^2/NDF: 2436049.0/47



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: -1178.551+/-450.037 χ^2/NDF: 20.6/24

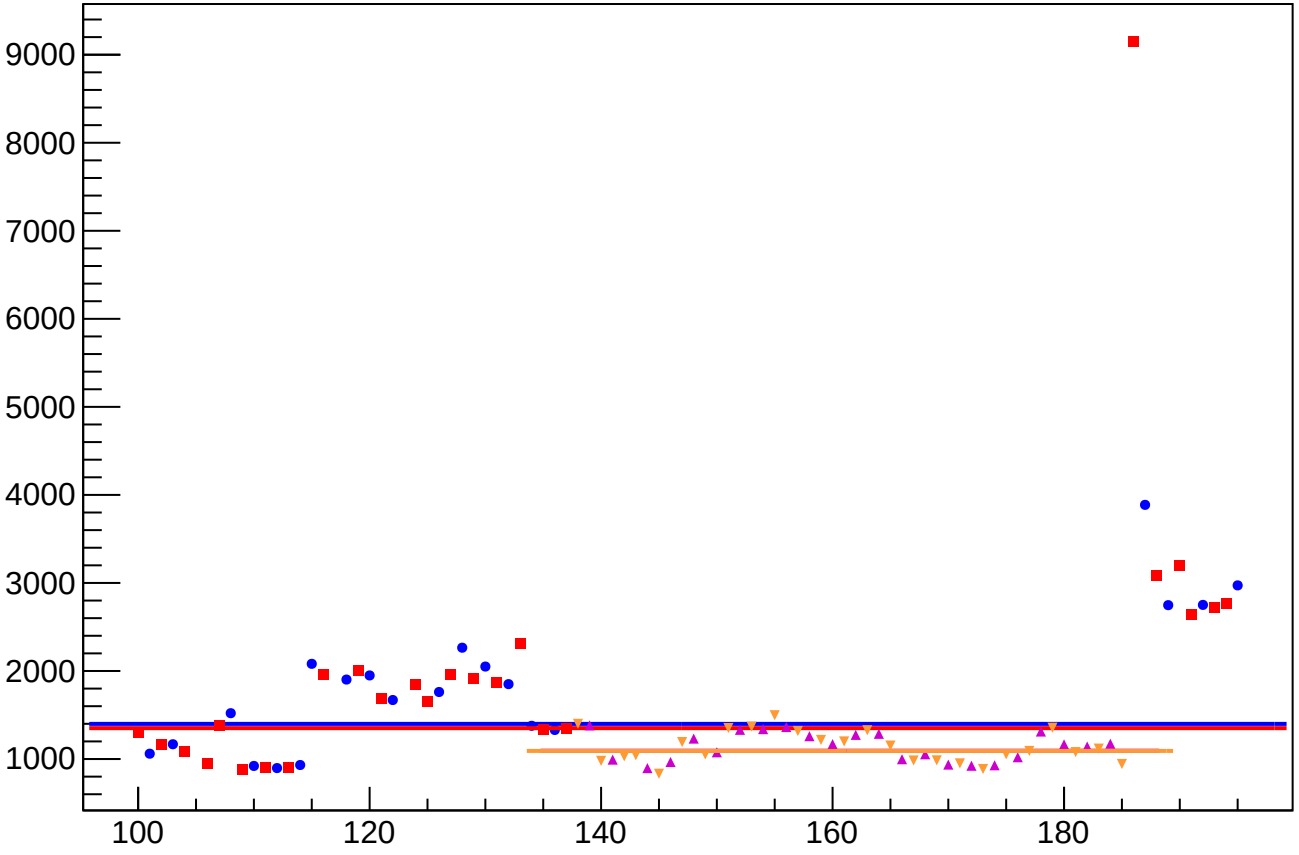
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.423+/-223.267 χ^2/NDF: 84.4/44

All: -731.575+/-158.283 χ^2/NDF: 135.3/92

- sign -438.705+/-224.428 χ^2/NDF: 47.5/47

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: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

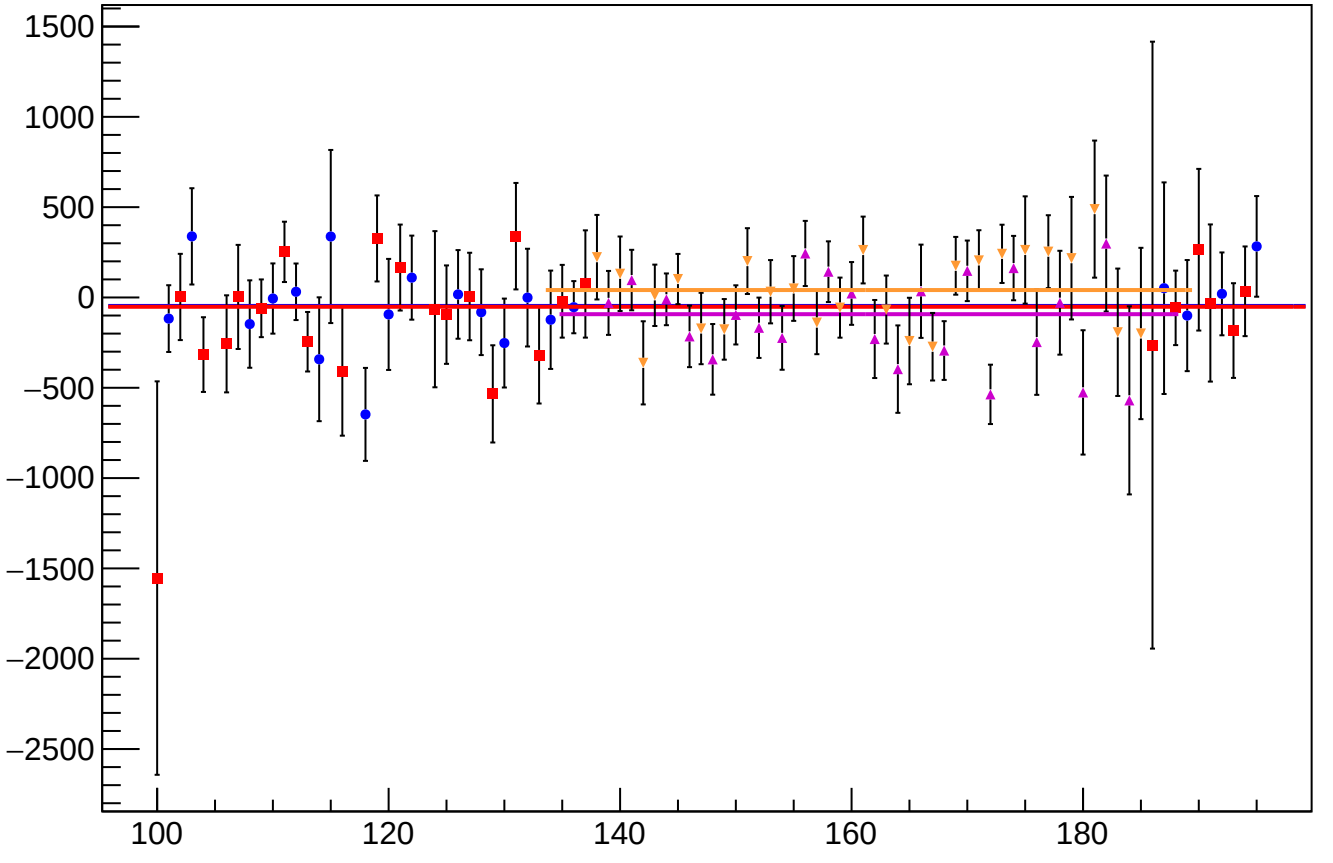
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1157.577+/-0.158 χ^2/NDF: 4158951.9/44

All: 1157.879+/-0.112 χ^2/NDF: 9340736.2/92

- sign 1158.185+/-0.159 χ^2/NDF: 5181776.9/47

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: -51.484+/-50.086 χ^2/NDF: 20.4/24

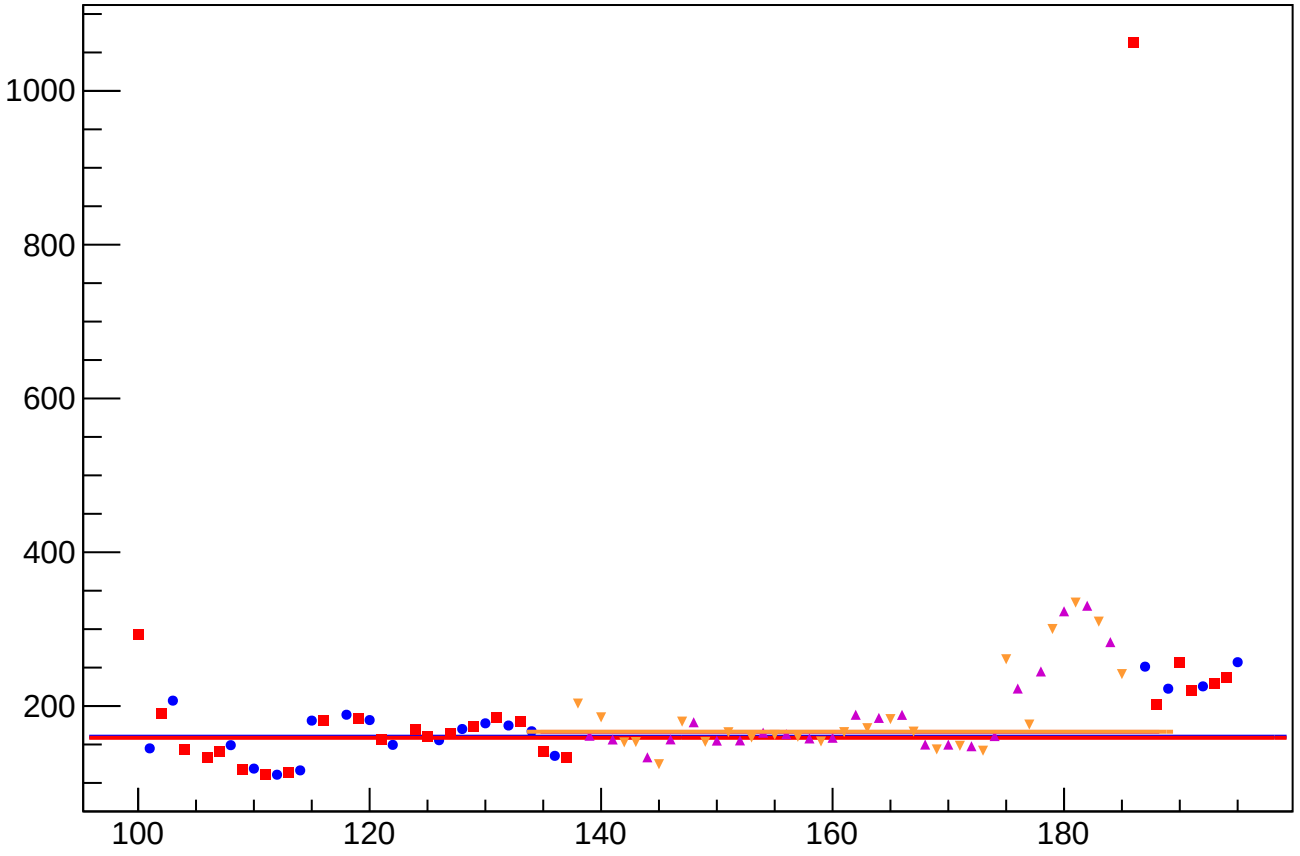
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 9.988+/-31.503 χ^2/NDF: 36.5/44

All: -33.479+/-22.216 χ^2/NDF: 90.6/92

- sign -76.481+/-31.334 χ^2/NDF: 50.3/47

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: 158.696+/-0.035 χ^2/NDF: 1788618.6/24

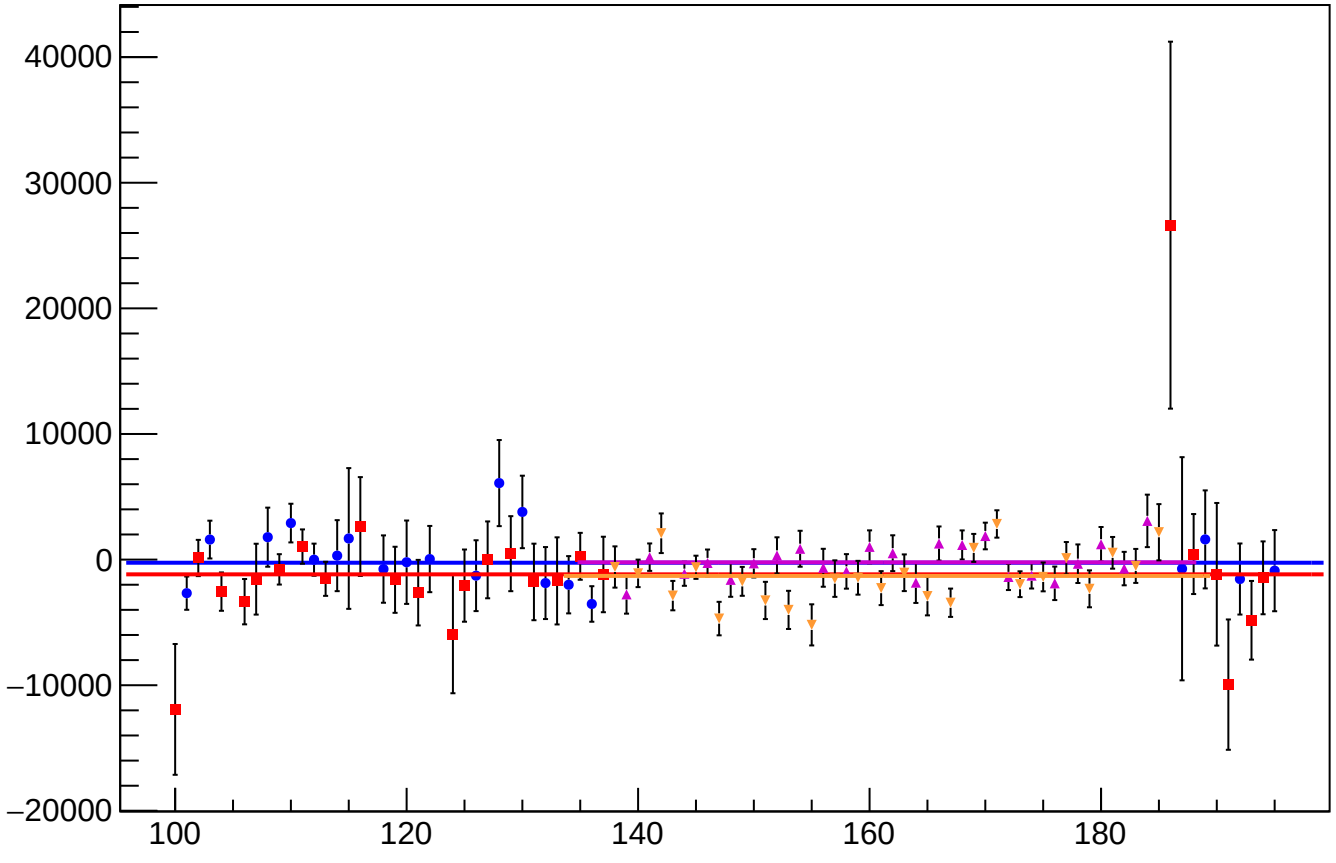
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 164.313+/-0.022 χ^2/NDF: 2800885.9/44

All: 163.818+/-0.016 χ^2/NDF: 6011068.3/92

- sign 163.329+/-0.022 χ^2/NDF: 3209200.4/47

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: -1173.280+/-453.351 χ^2/NDF: 21.8/24

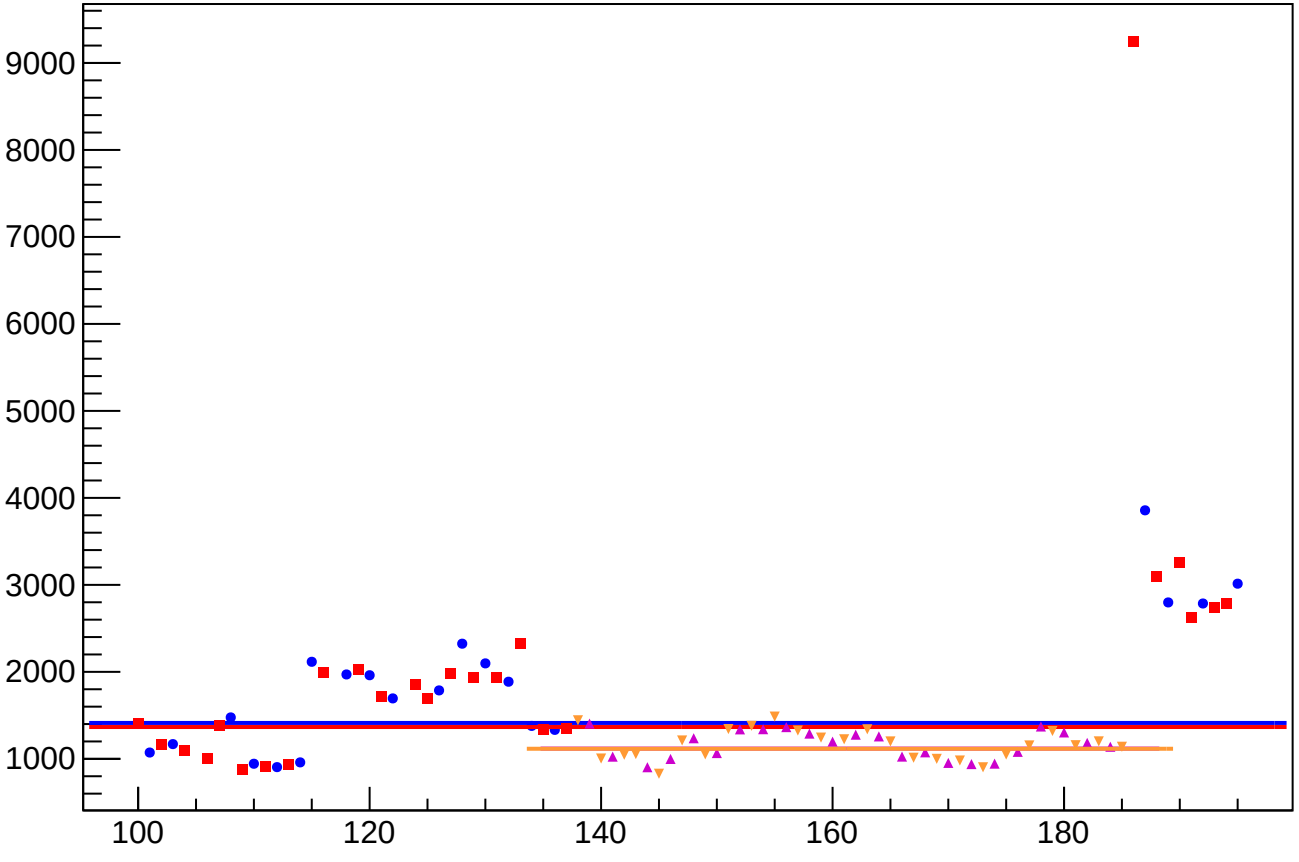
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1070.340+/-227.351 χ^2/NDF: 81.1/44

All: -766.512+/-161.127 χ^2/NDF: 132.0/92

- sign -459.907+/-228.388 χ^2/NDF: 47.3/47

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: 1365.806+/-0.321 χ^2/NDF: 3955129.1/24

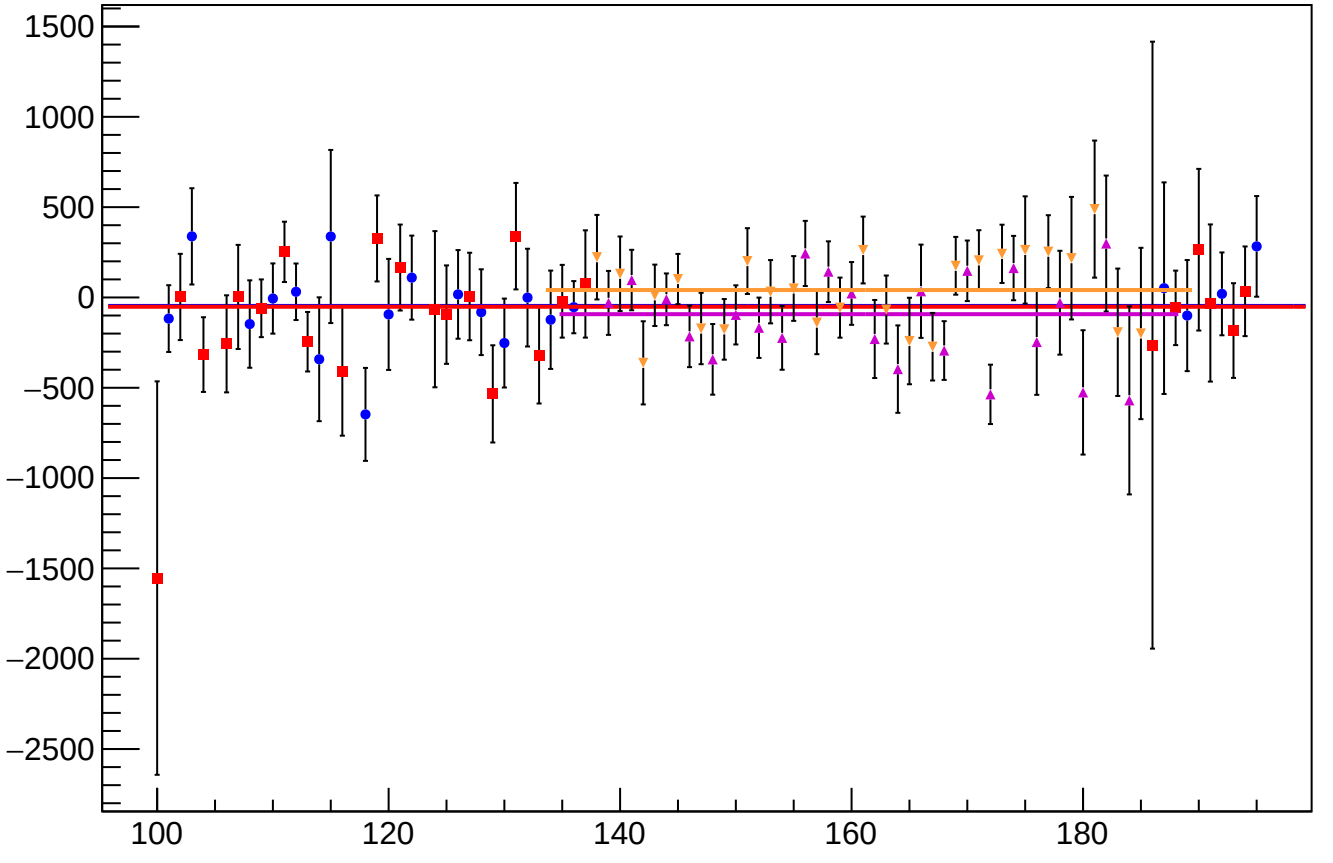
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1180.499+/-0.161 χ^2/NDF: 4097878.3/44

All: 1180.631+/-0.114 χ^2/NDF: 9228912.1/92

- sign 1180.765+/-0.161 χ^2/NDF: 5131032.5/47

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: -51.483+/-50.086 χ^2/NDF: 20.4/24

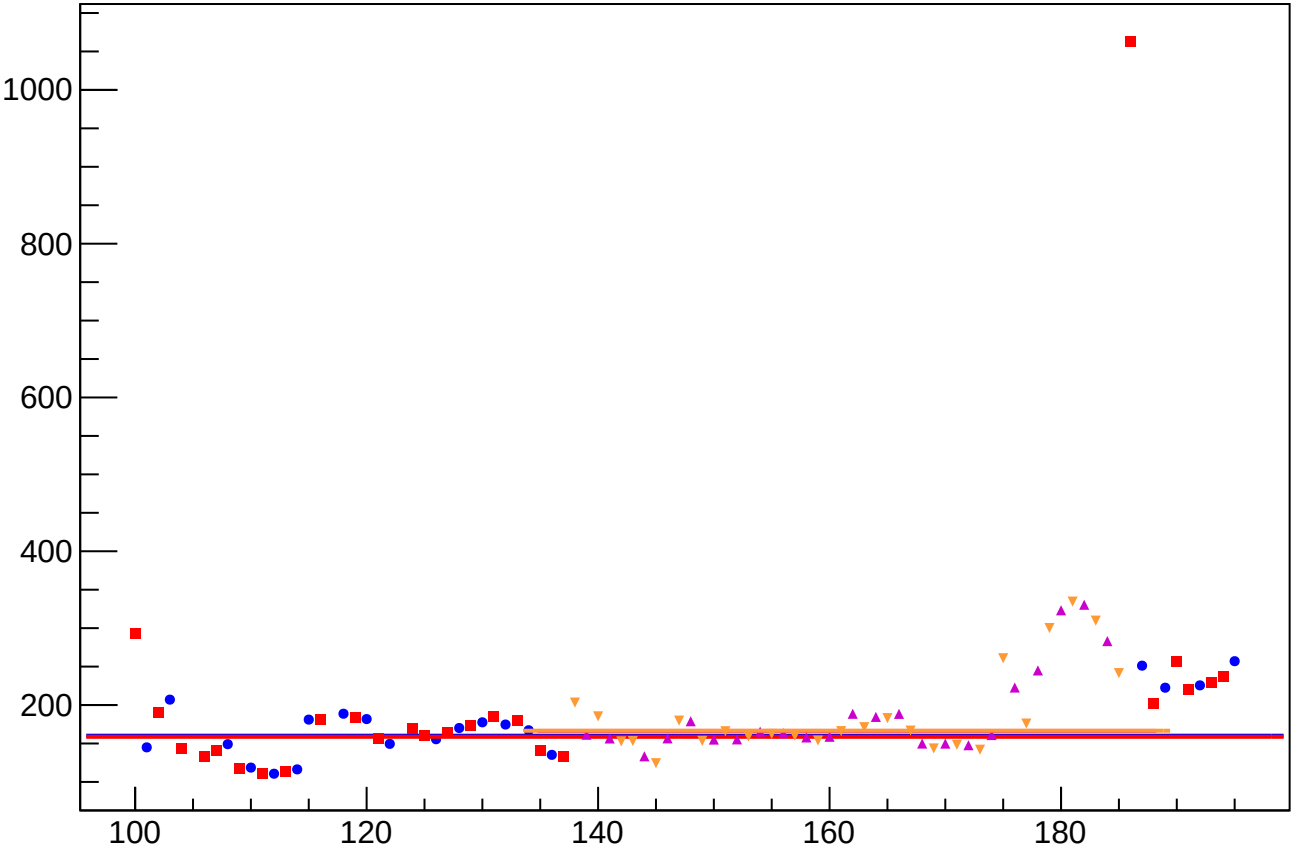
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 9.990+/-31.503 χ^2/NDF: 36.5/44

All: -33.478+/-22.216 χ^2/NDF: 90.6/92

- sign -76.481+/-31.334 χ^2/NDF: 50.3/47

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

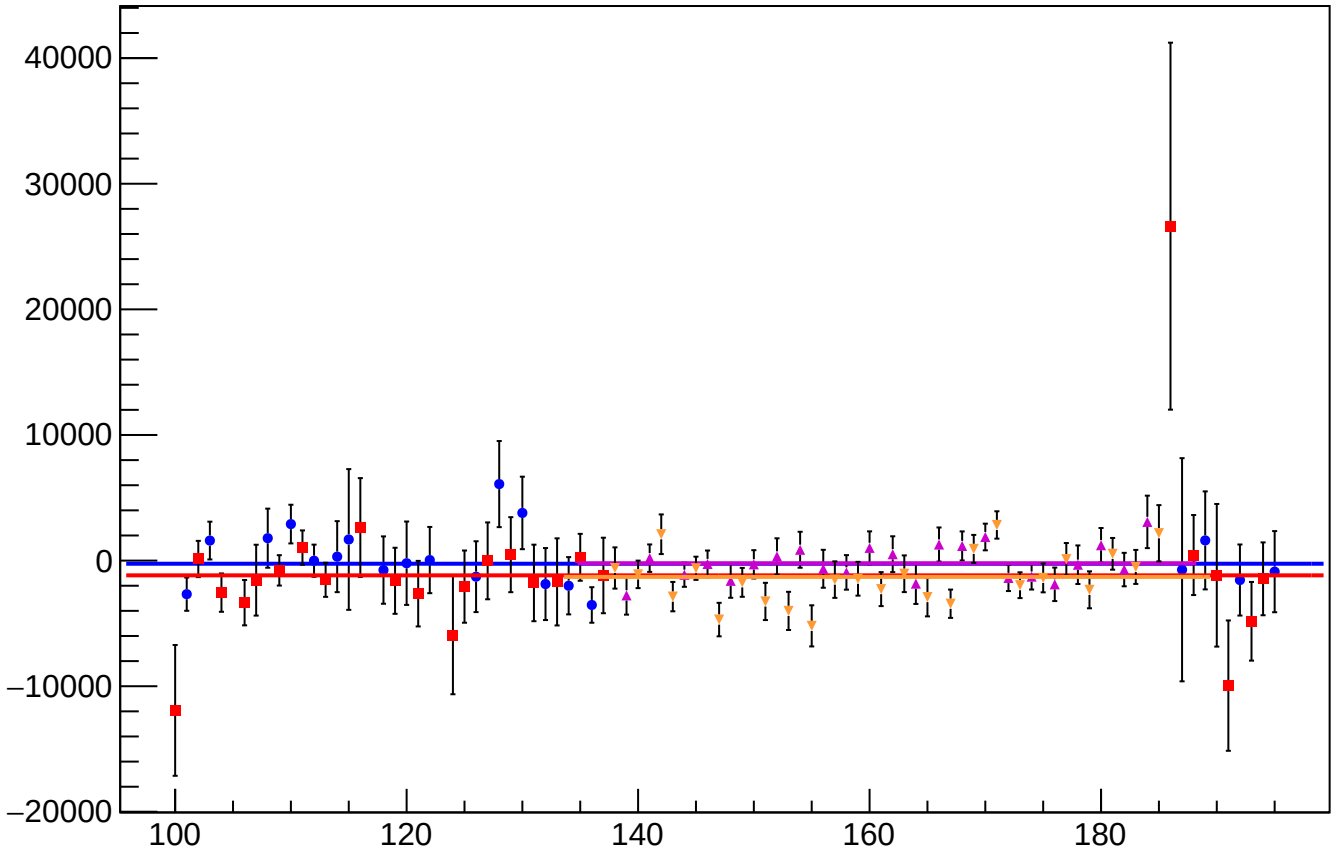
Right Out: 158.696+/-0.035 χ^2/NDF: 1788619.5/24

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 164.314+/-0.022 χ^2/NDF: 2800877.6/44

All: 163.819+/-0.016 χ^2/NDF: 6011043.0/92

- sign 163.329+/-0.022 χ^2/NDF: 3209183.3/47



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: -1173.279+/-453.351 χ^2/NDF: 21.8/24

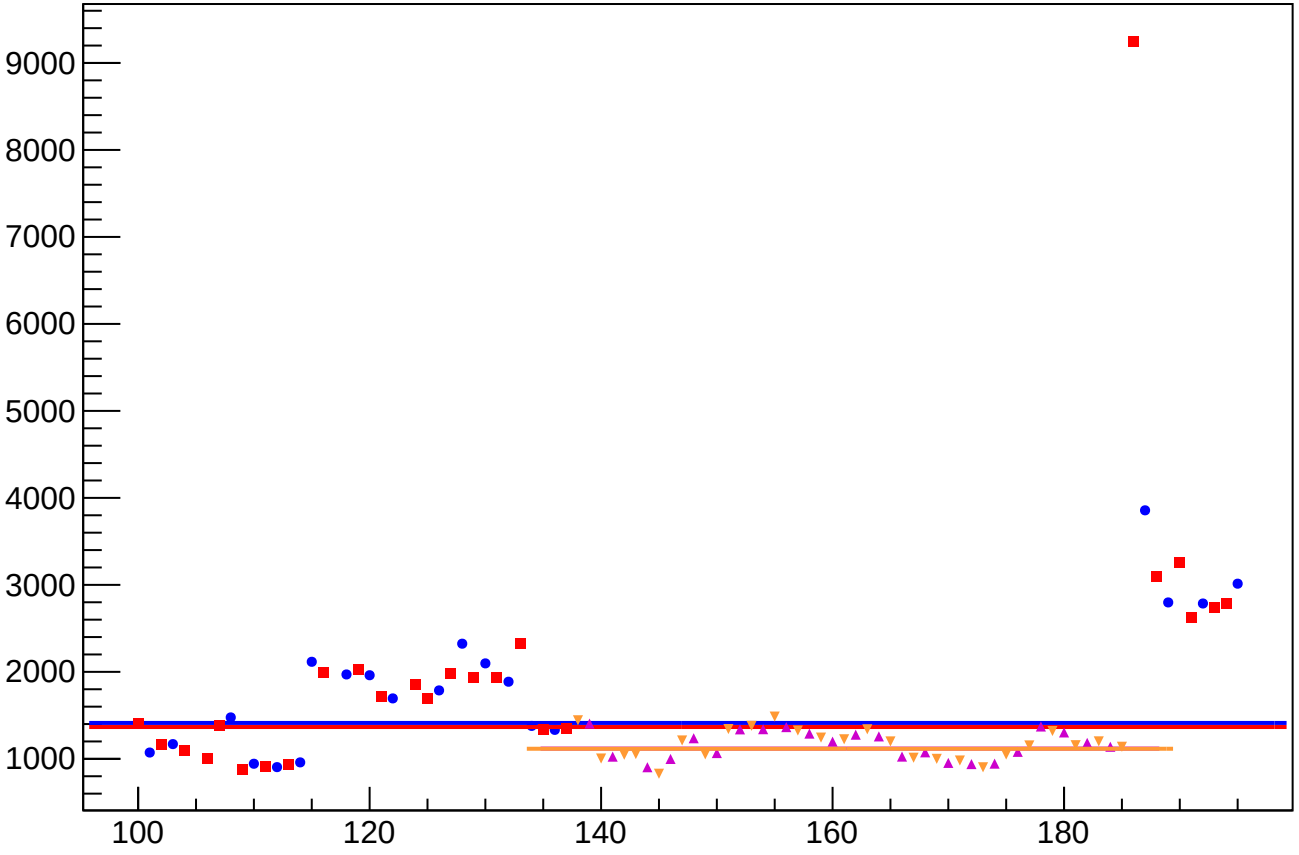
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1070.338+/-227.351 χ^2/NDF: 81.1/44

All: -766.510+/-161.126 χ^2/NDF: 132.0/92

- sign -459.905+/-228.387 χ^2/NDF: 47.3/47

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: 1365.805+/-0.321 χ^2/NDF: 3955128.0/24

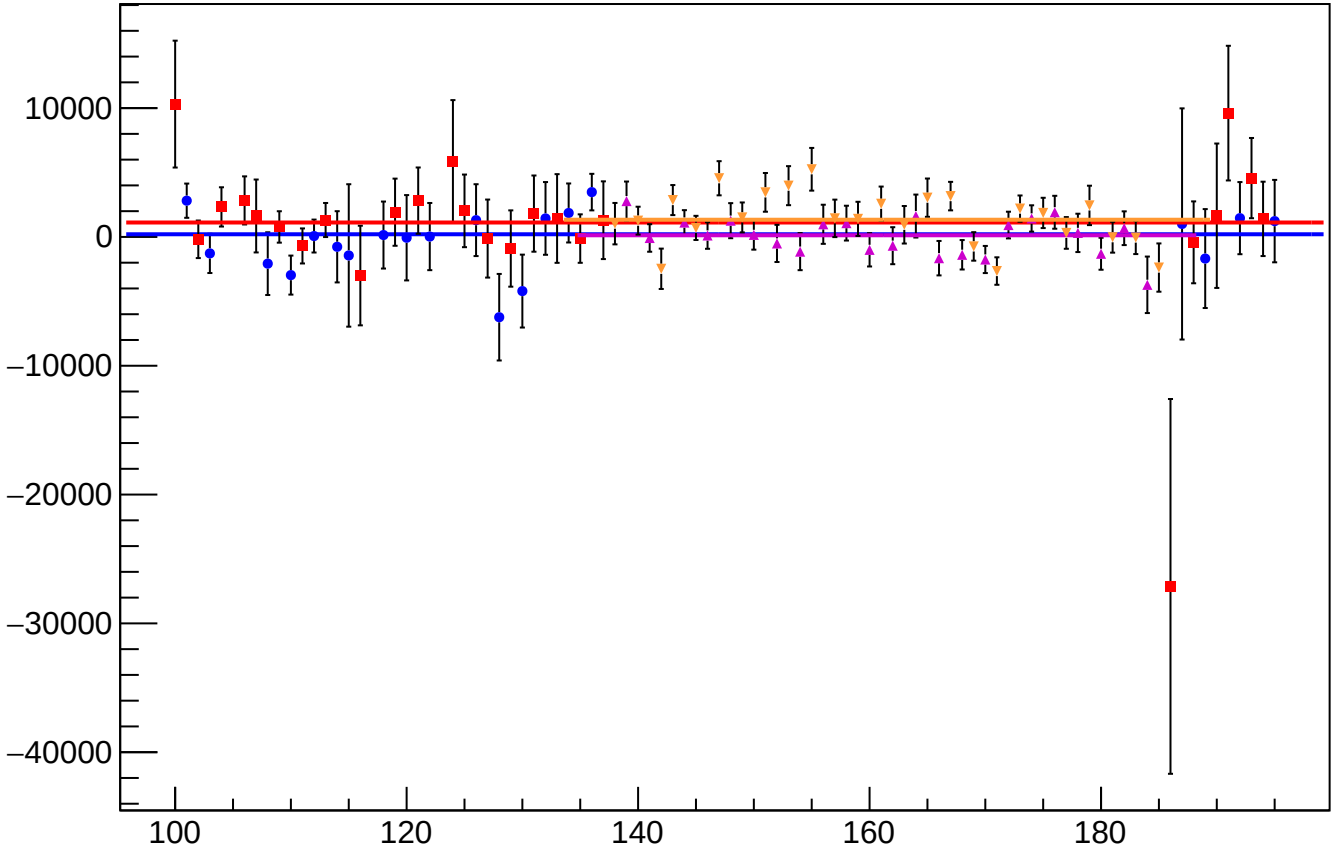
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1180.497+/-0.161 χ^2/NDF: 4097886.4/44

All: 1180.629+/-0.114 χ^2/NDF: 9228920.9/92

- sign 1180.763+/-0.161 χ^2/NDF: 5131033.1/47

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: 1119.673+/-452.505 χ^2/NDF: 19.5/24

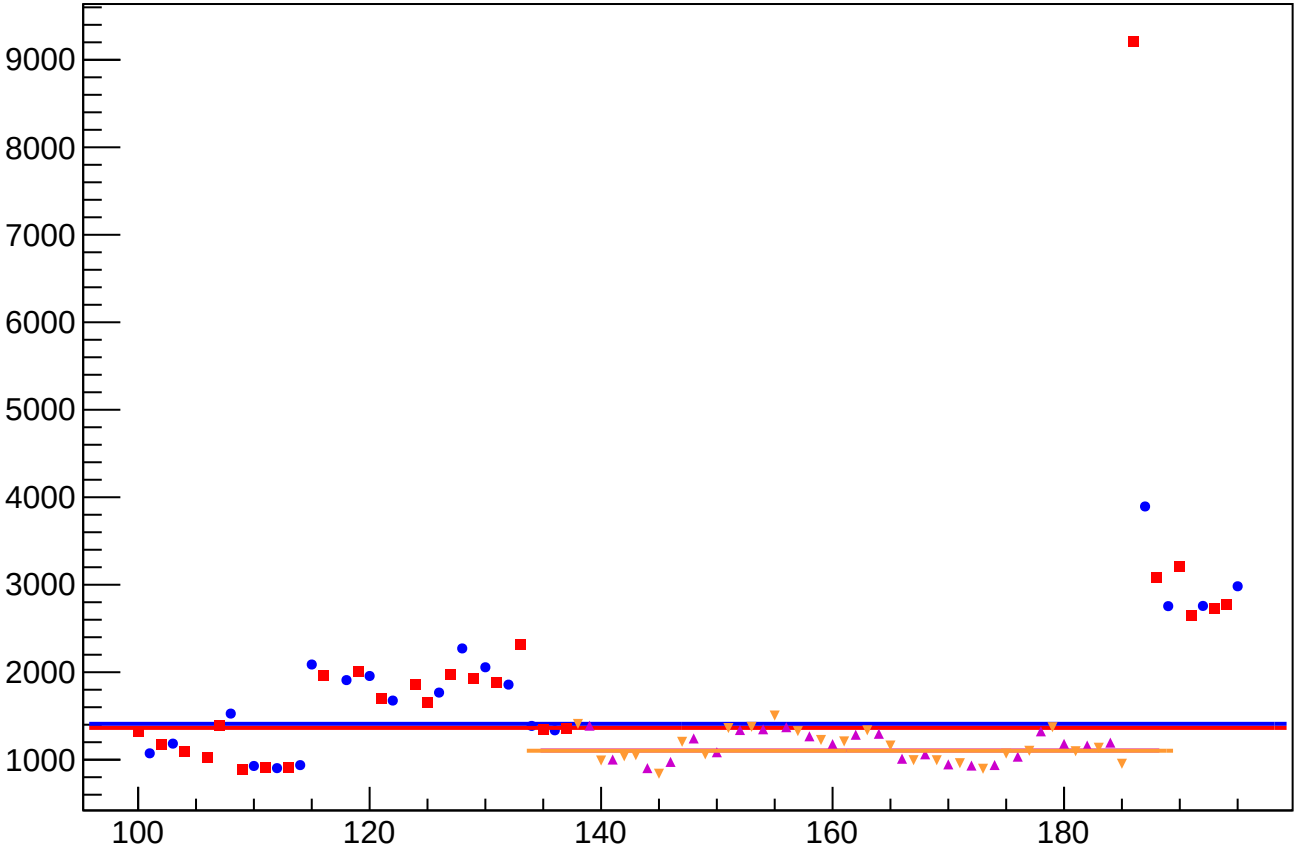
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1092.924+/-225.292 χ^2/NDF: 83.0/44

All: 736.364+/-159.681 χ^2/NDF: 135.1/92

- sign 376.424+/-226.357 χ^2/NDF: 47.1/47

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

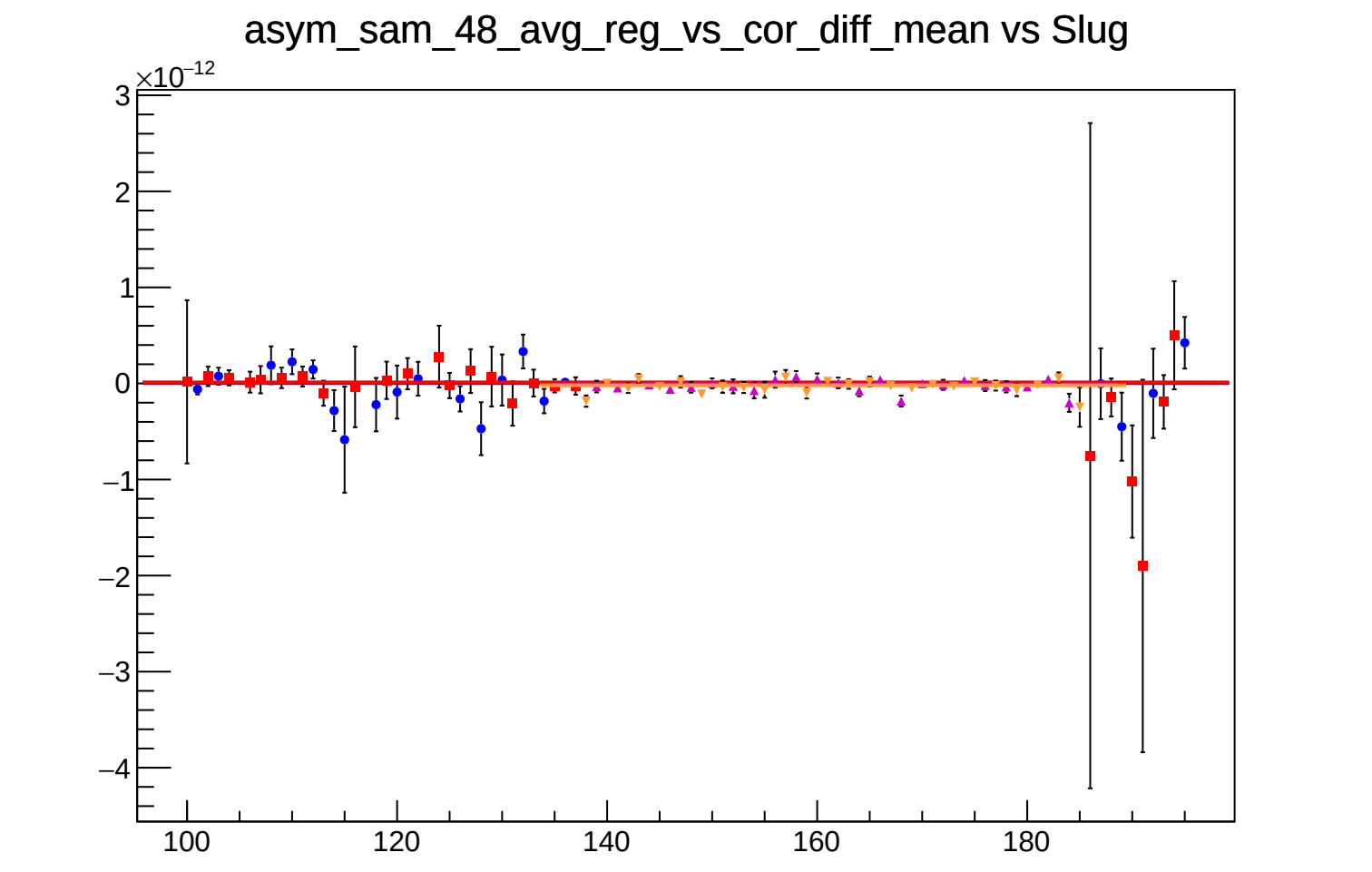
Right Out: 1363.618+/-0.320 χ^2/NDF: 3909208.8/24

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1168.641+/-0.159 χ^2/NDF: 4110020.4/44

All: 1169.250+/-0.113 χ^2/NDF: 9231617.2/92

- sign 1169.864+/-0.160 χ^2/NDF: 5121567.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

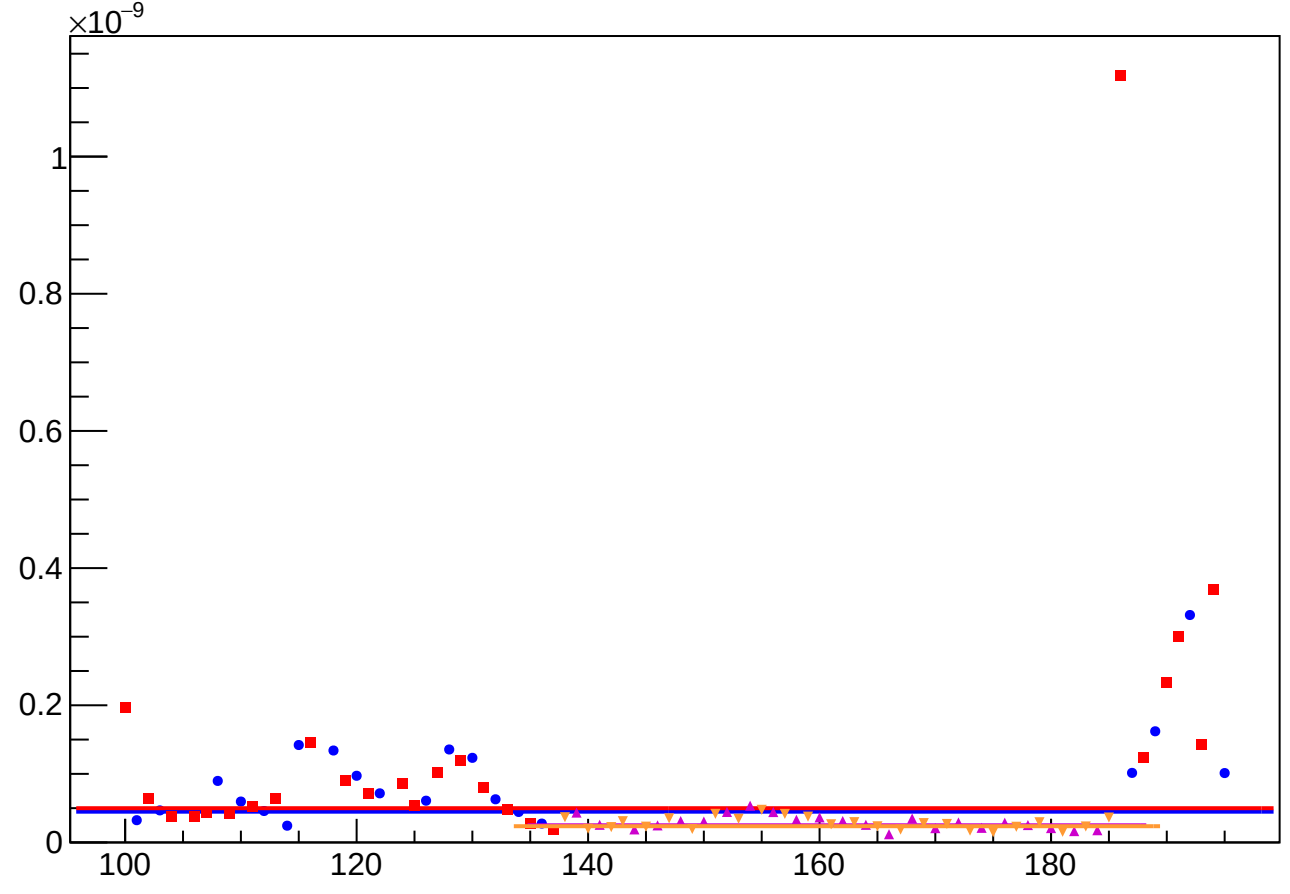
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/24

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: 92.3/92

- sign -0.000+/-0.000 χ^2/NDF: 38.6/47



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: 2713155.9/24

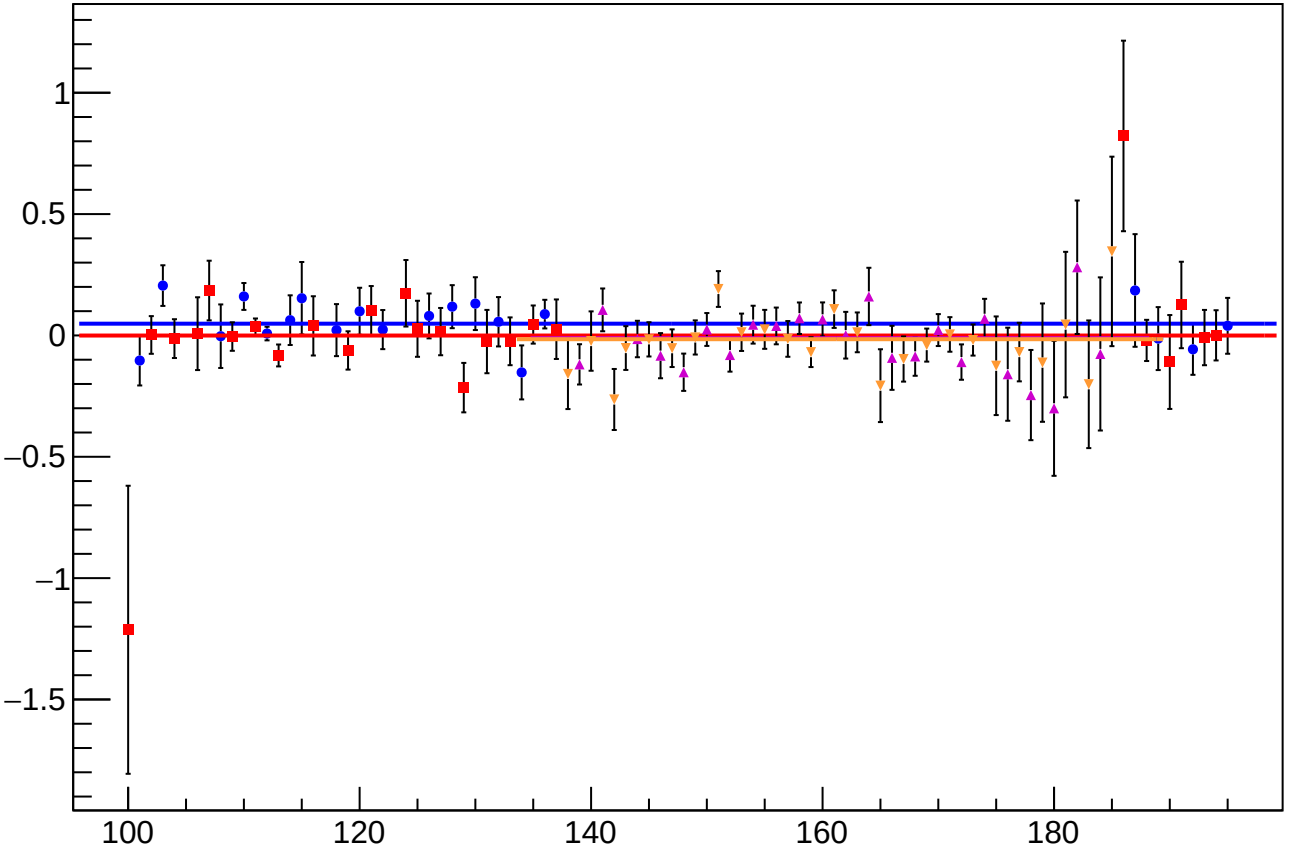
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5049641.3/44

All: 0.000+/-0.000 χ^2/NDF: 10719409.5/92

- sign 0.000+/-0.000 χ^2/NDF: 5626120.5/47

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: -0.000+/-0.017 χ^2/NDF: 24.5/24

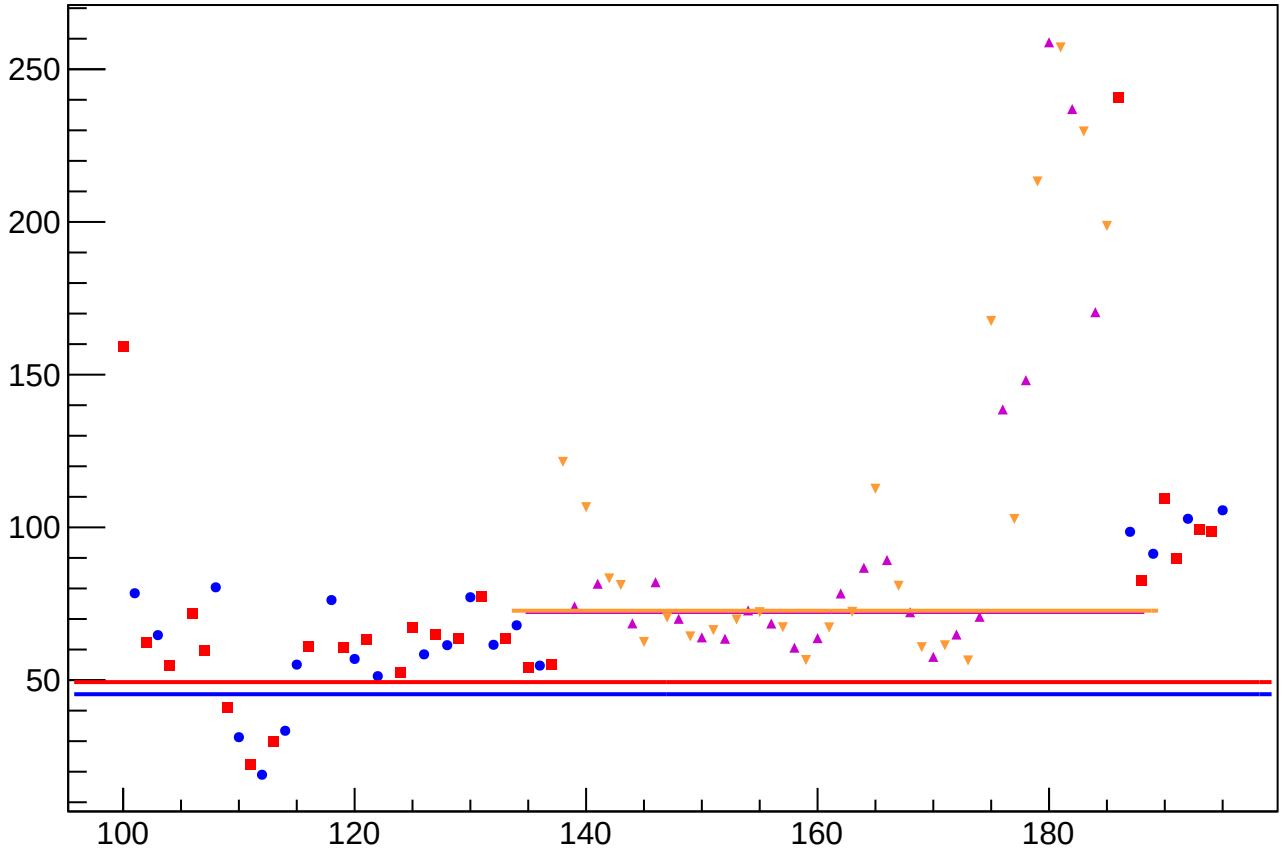
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.006+/-0.009 χ^2/NDF: 97.7/92

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47

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

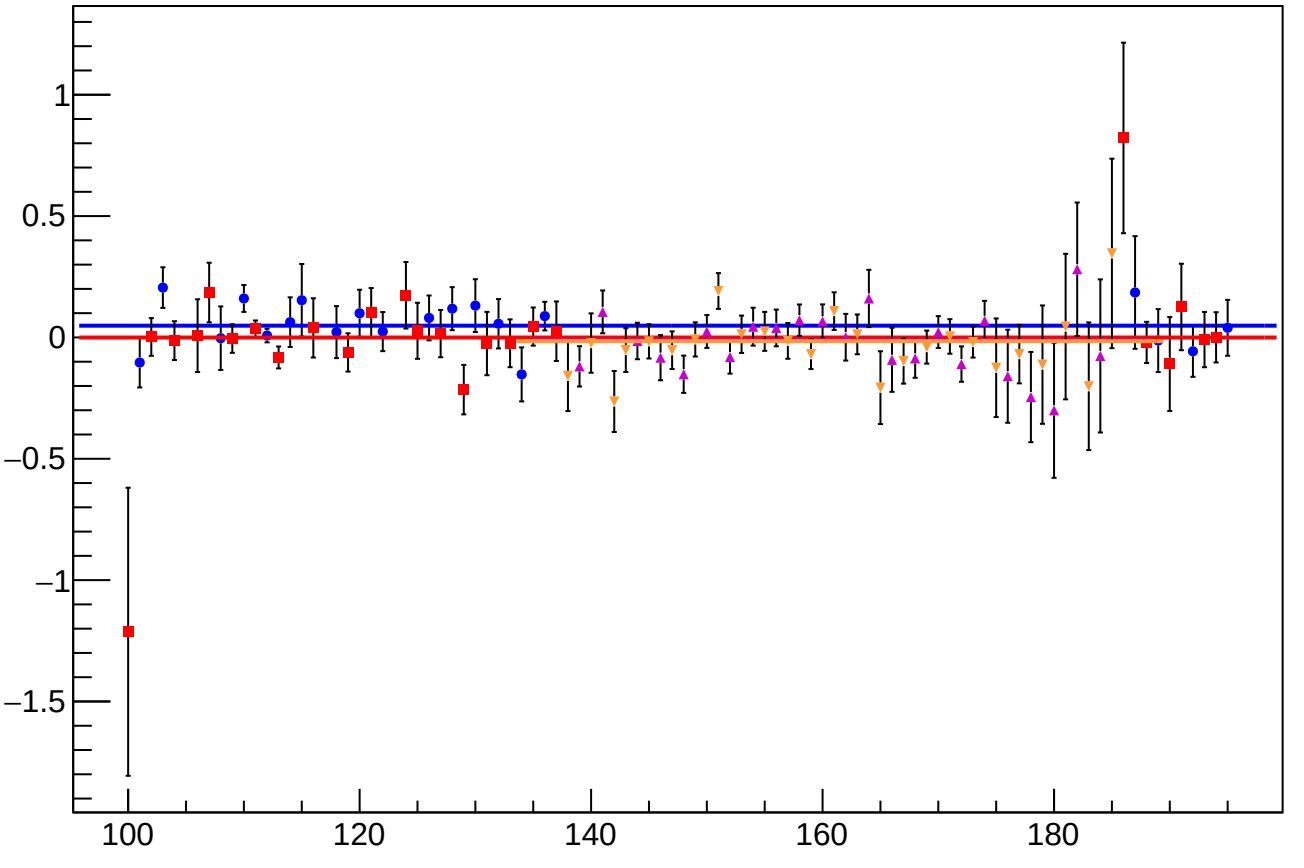
Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.392+/-0.009 χ^2/NDF: 10929570.7/44

All: 59.175+/-0.006 χ^2/NDF: 19591657.6/92

- sign 59.961+/-0.009 χ^2/NDF: 8646075.7/47



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

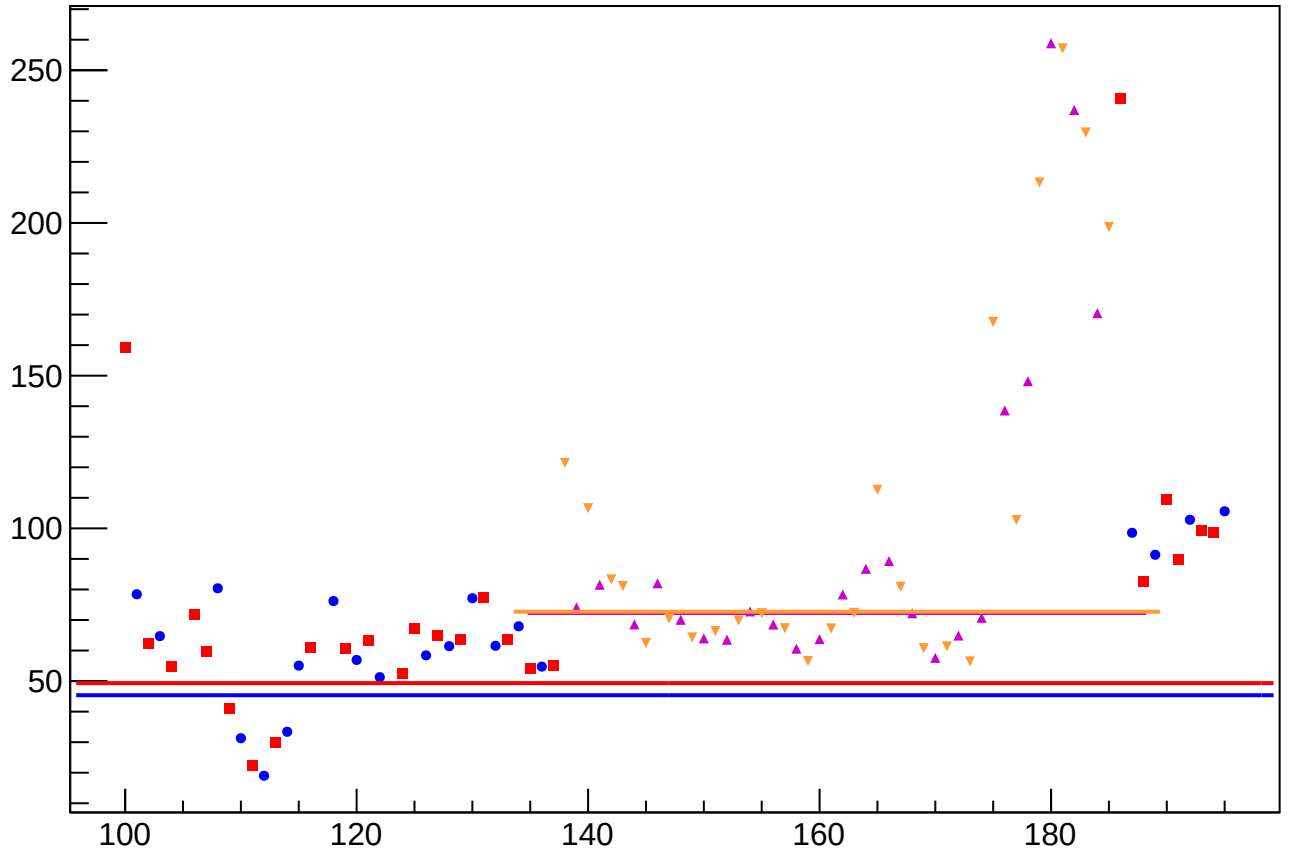
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.006+/-0.009 χ^2/NDF: 97.7/92

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47



Right In: 45.372+/-0.012 χ^2/NDF: 4540354.7/19

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

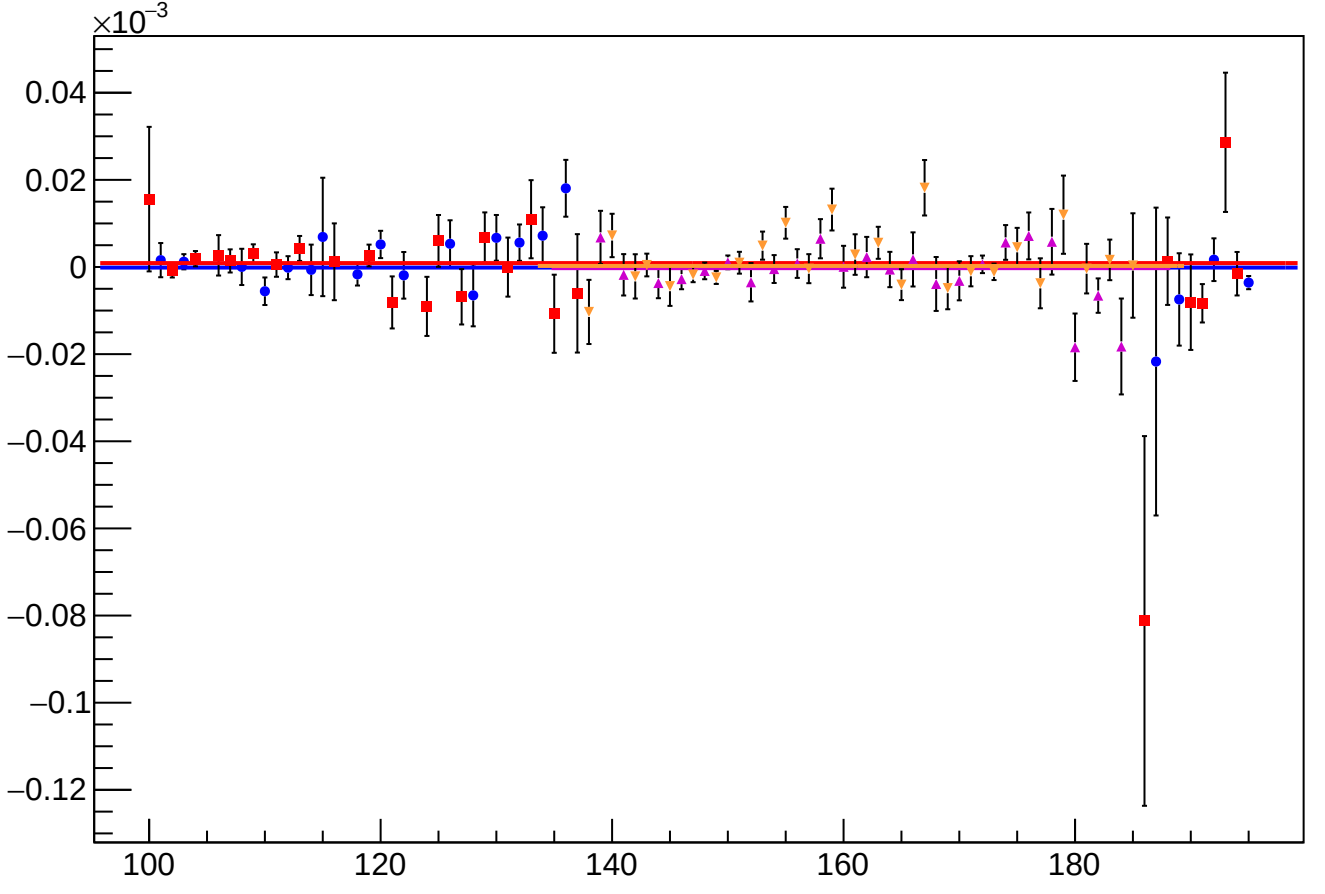
Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.392+/-0.009 χ^2/NDF: 10929570.7/44

All: 59.175+/-0.006 χ^2/NDF: 19591657.6/92

- sign 59.961+/-0.009 χ^2/NDF: 8646075.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

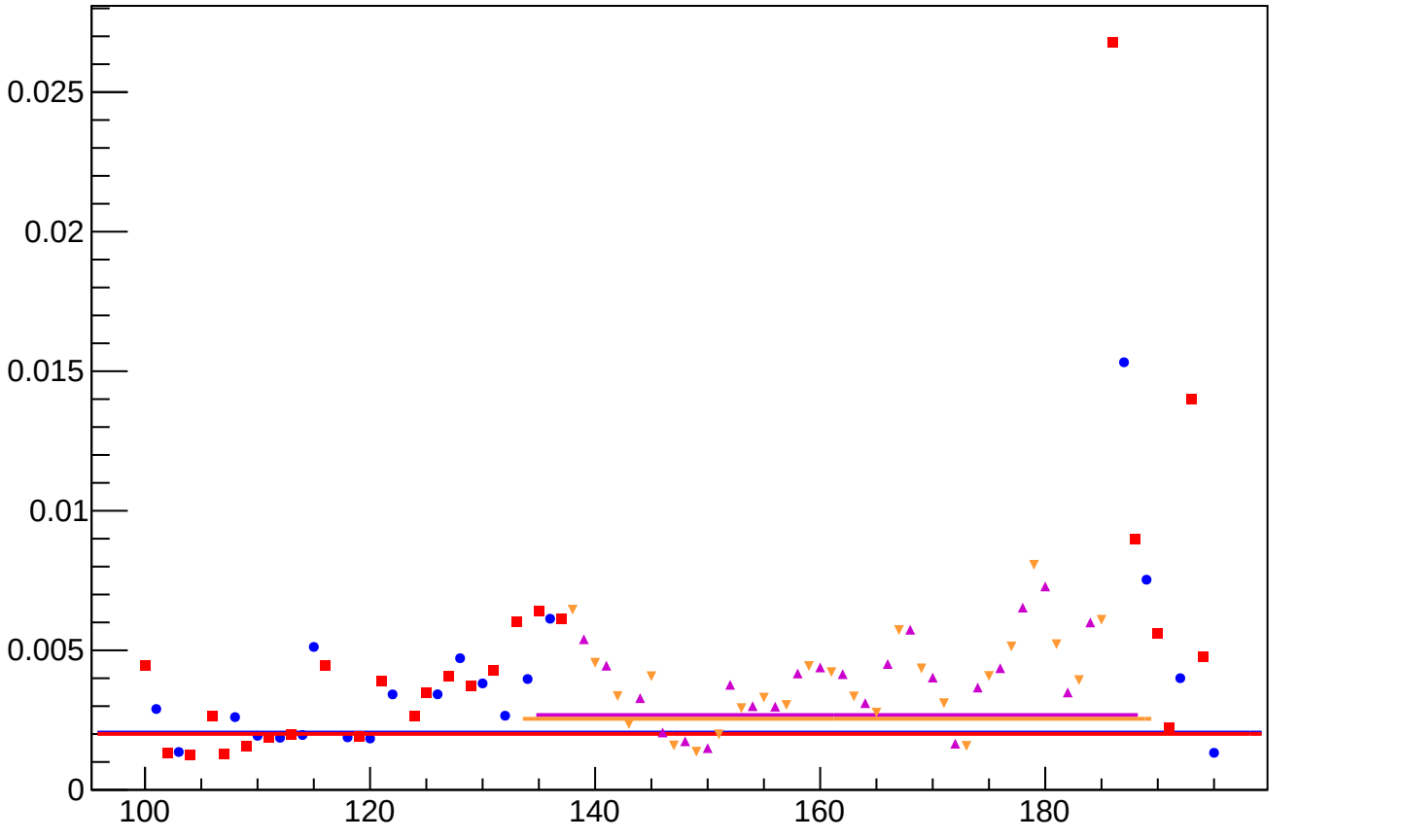
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/24

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: 125.1/92

- sign 0.000+/-0.000 χ^2/NDF: 53.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 3932396.4/19

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

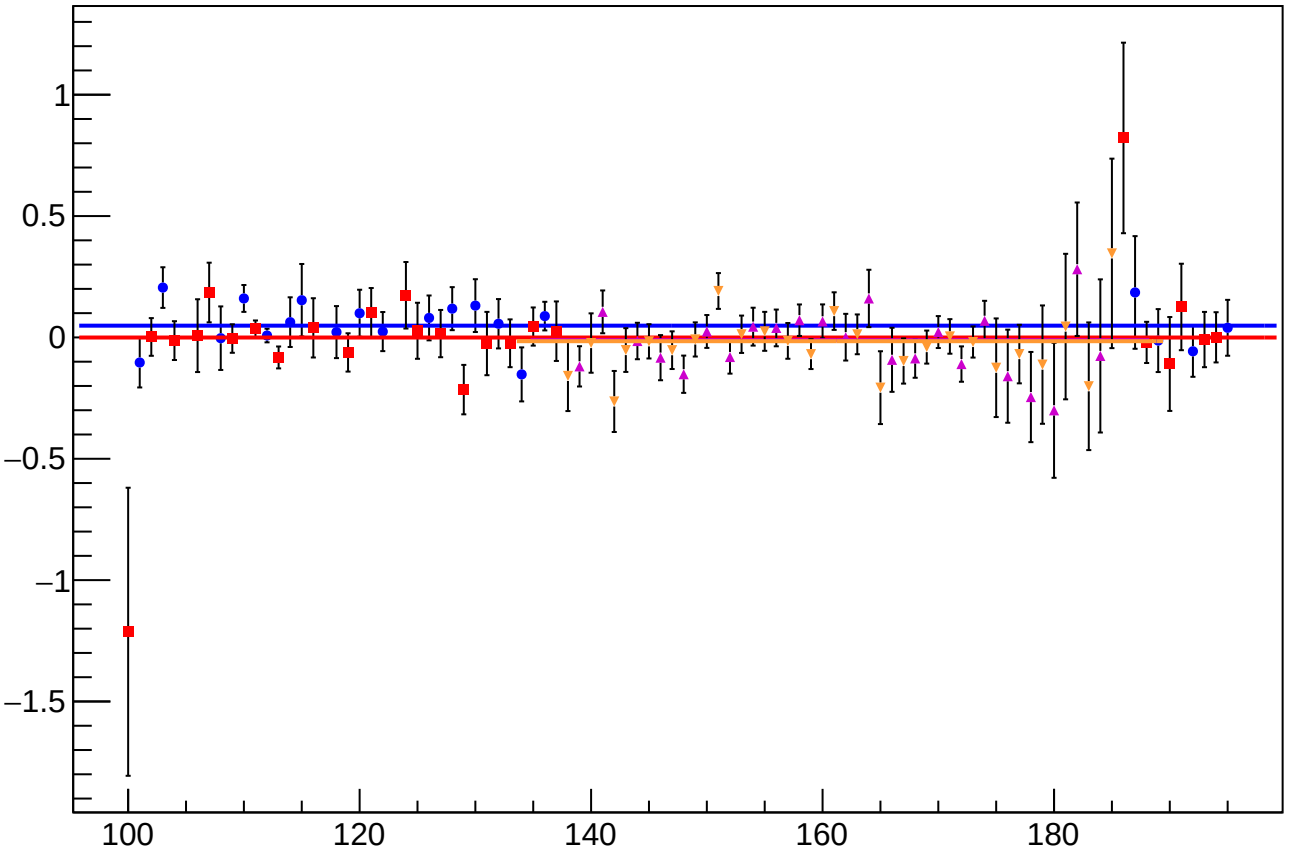
Right Out: 0.002+/-0.000 χ^2/NDF: 6833902.0/24

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: 26121646.6/92

\- sign 0.002+/-0.000 χ^2/NDF: 14205195.9/47



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: -0.000+/-0.017 χ^2/NDF: 24.5/24

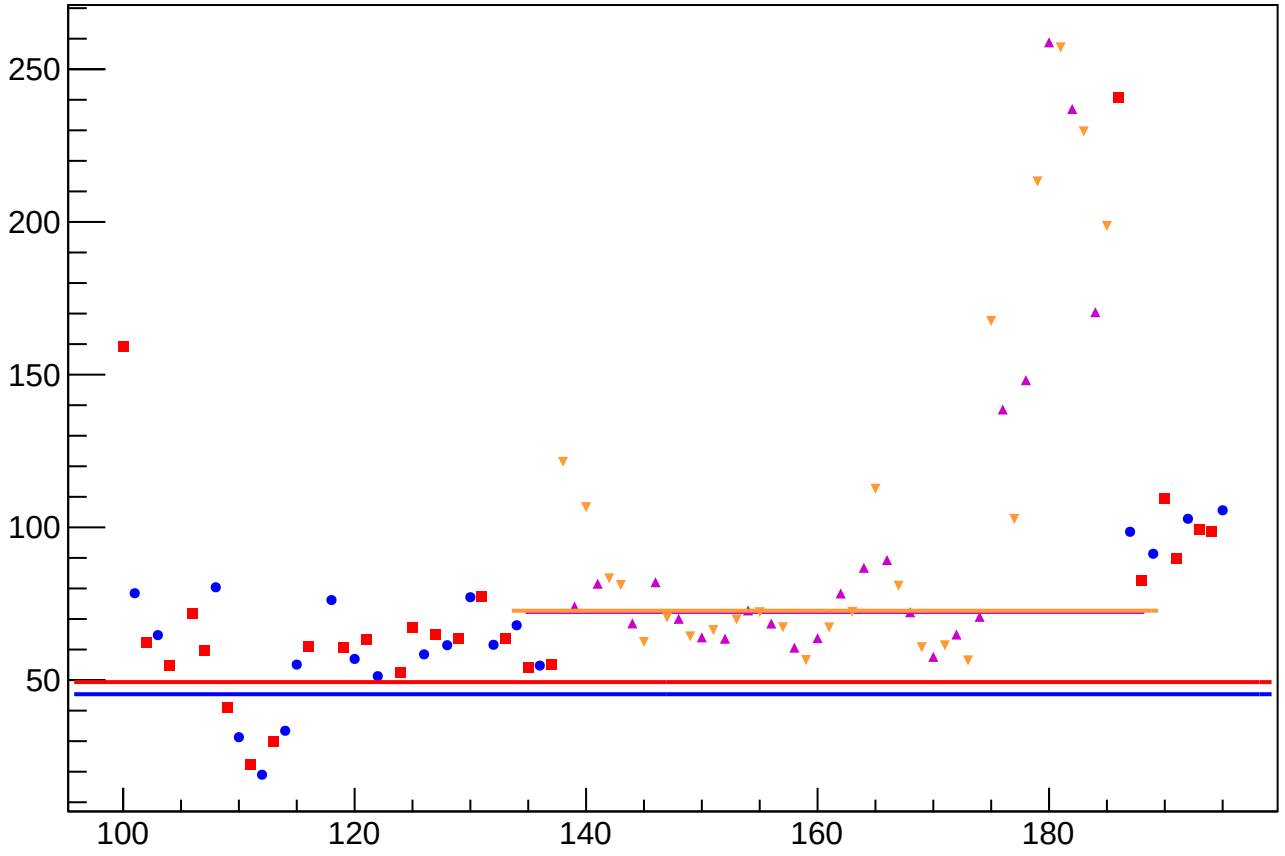
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.006+/-0.009 χ^2/NDF: 97.7/92

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

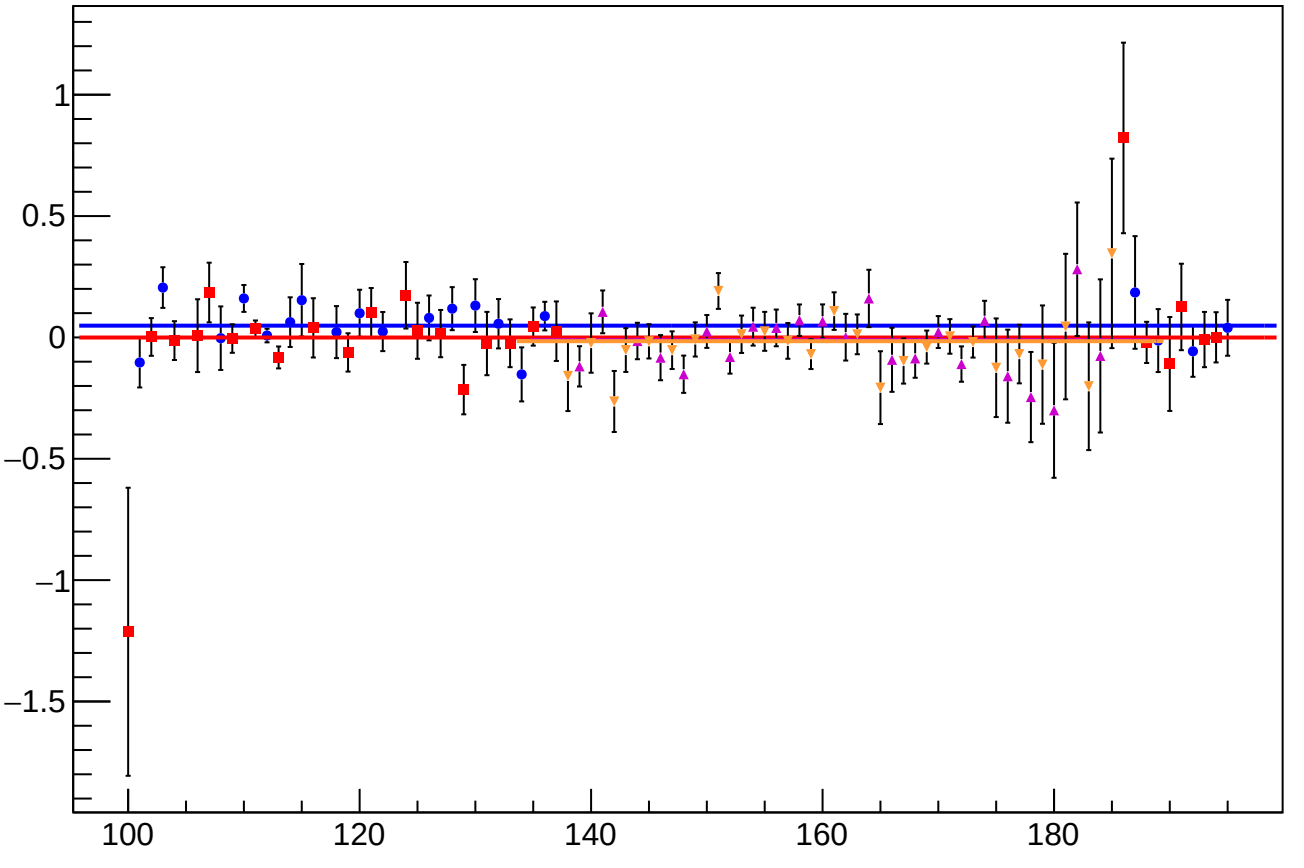
Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.391+/-0.009 χ^2/NDF: 10929995.4/44

All: 59.175+/-0.006 χ^2/NDF: 19592469.6/92

- sign 59.961+/-0.009 χ^2/NDF: 8646461.3/47



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

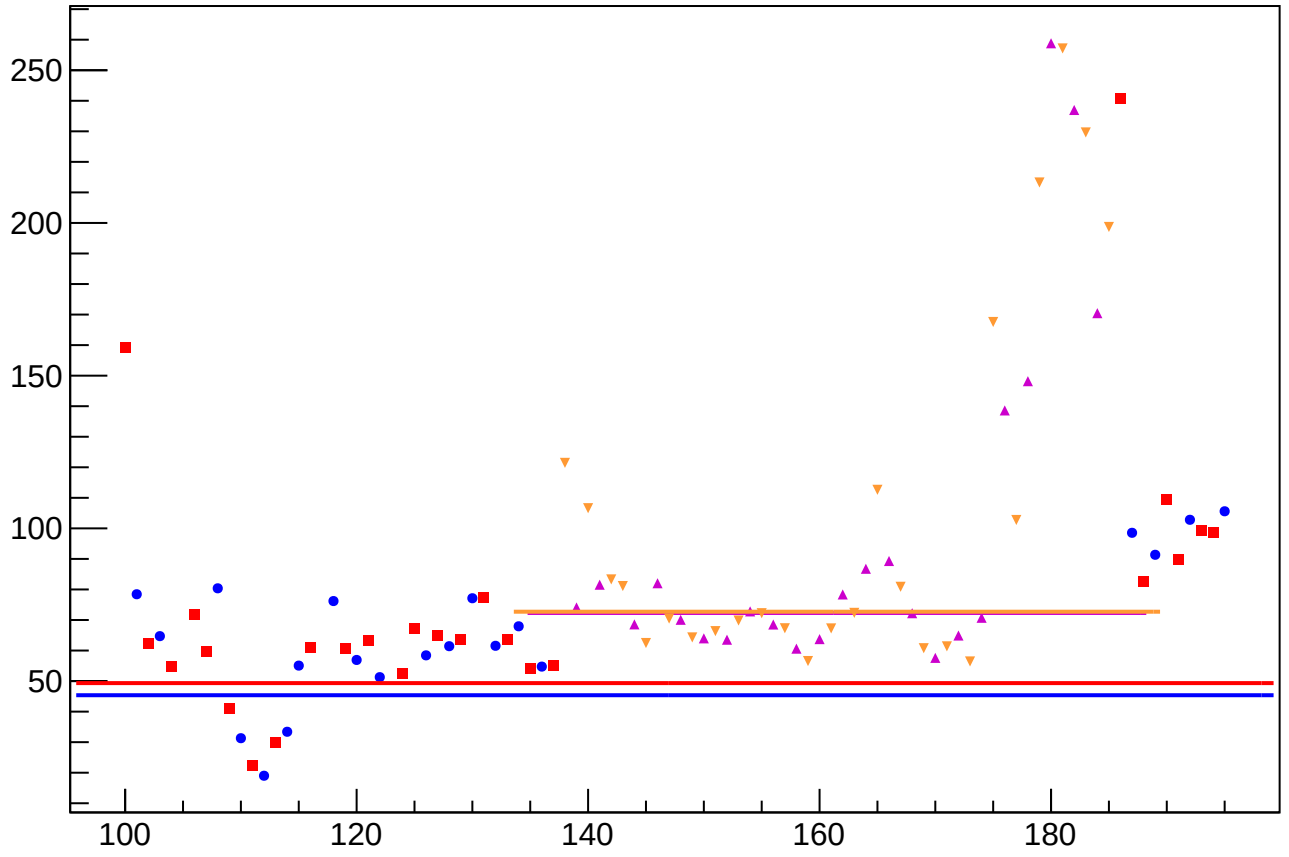
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.9/44

All: 0.006+/-0.009 χ^2/NDF: 97.7/92

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

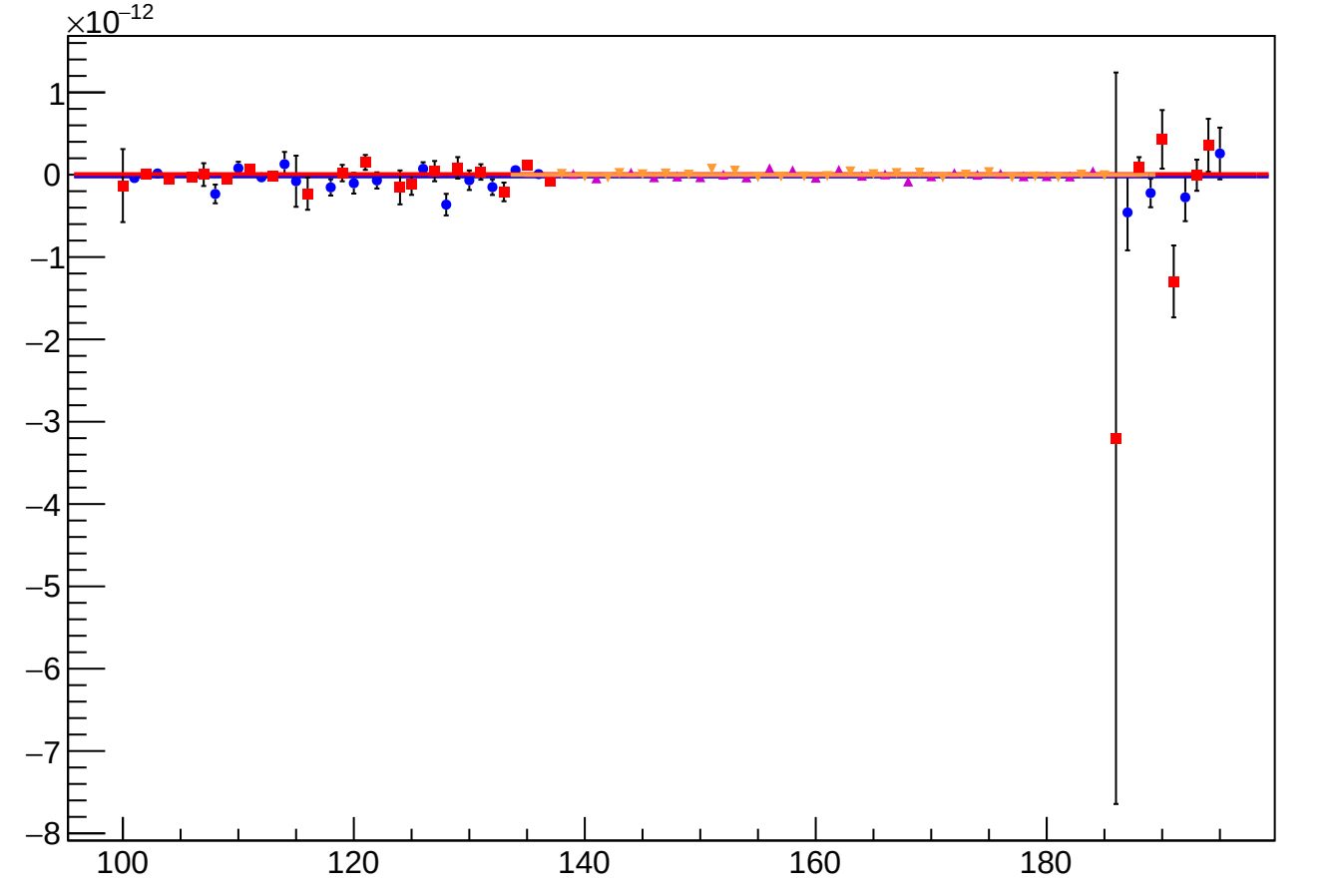
Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.391+/-0.009 χ^2/NDF: 10929995.4/44

All: 59.175+/-0.006 χ^2/NDF: 19592469.6/92

- sign 59.961+/-0.009 χ^2/NDF: 8646461.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

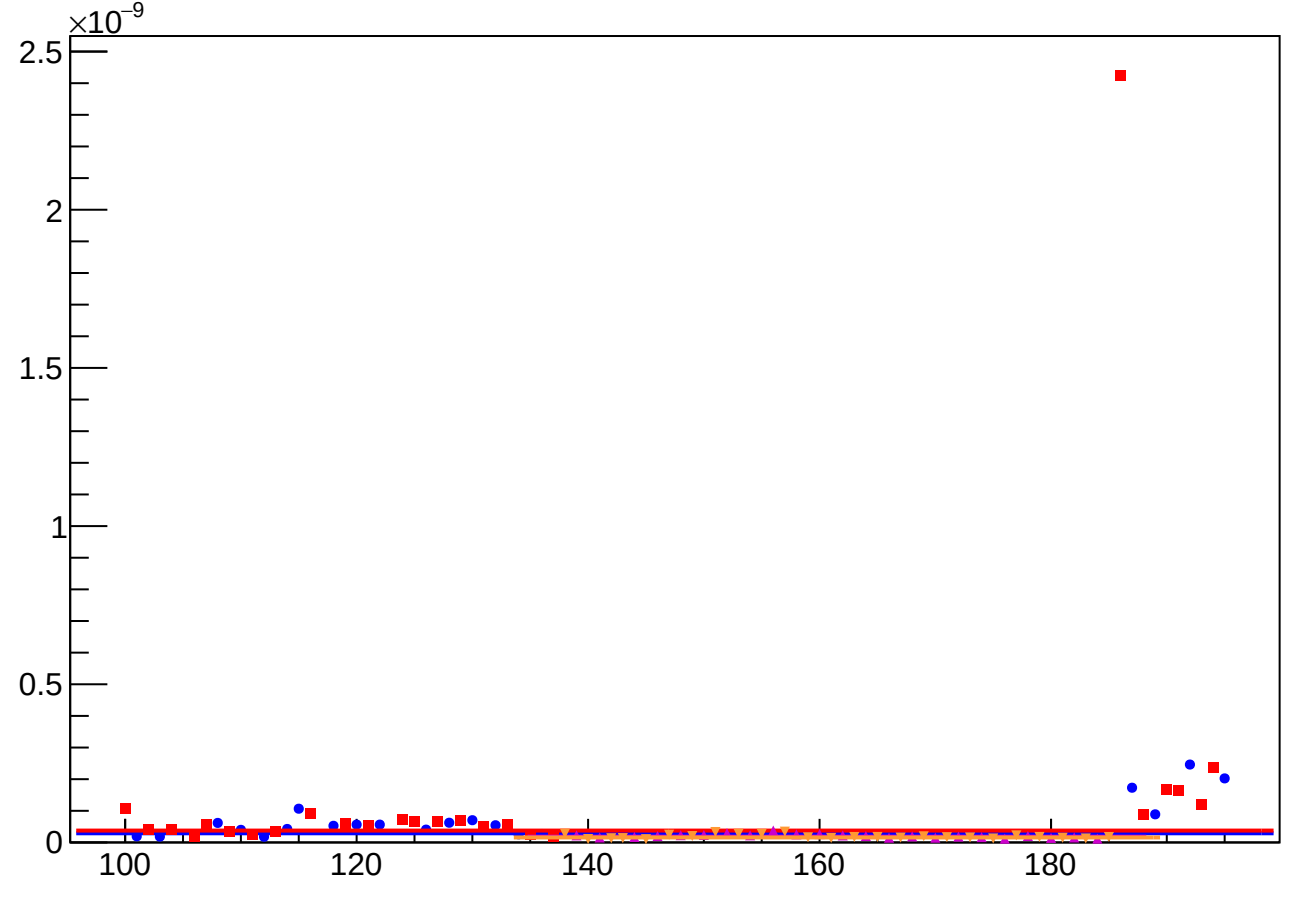
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/24

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: 131.2/92

- sign -0.000+/-0.000 χ^2/NDF: 74.7/47



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: 4256456.8/24

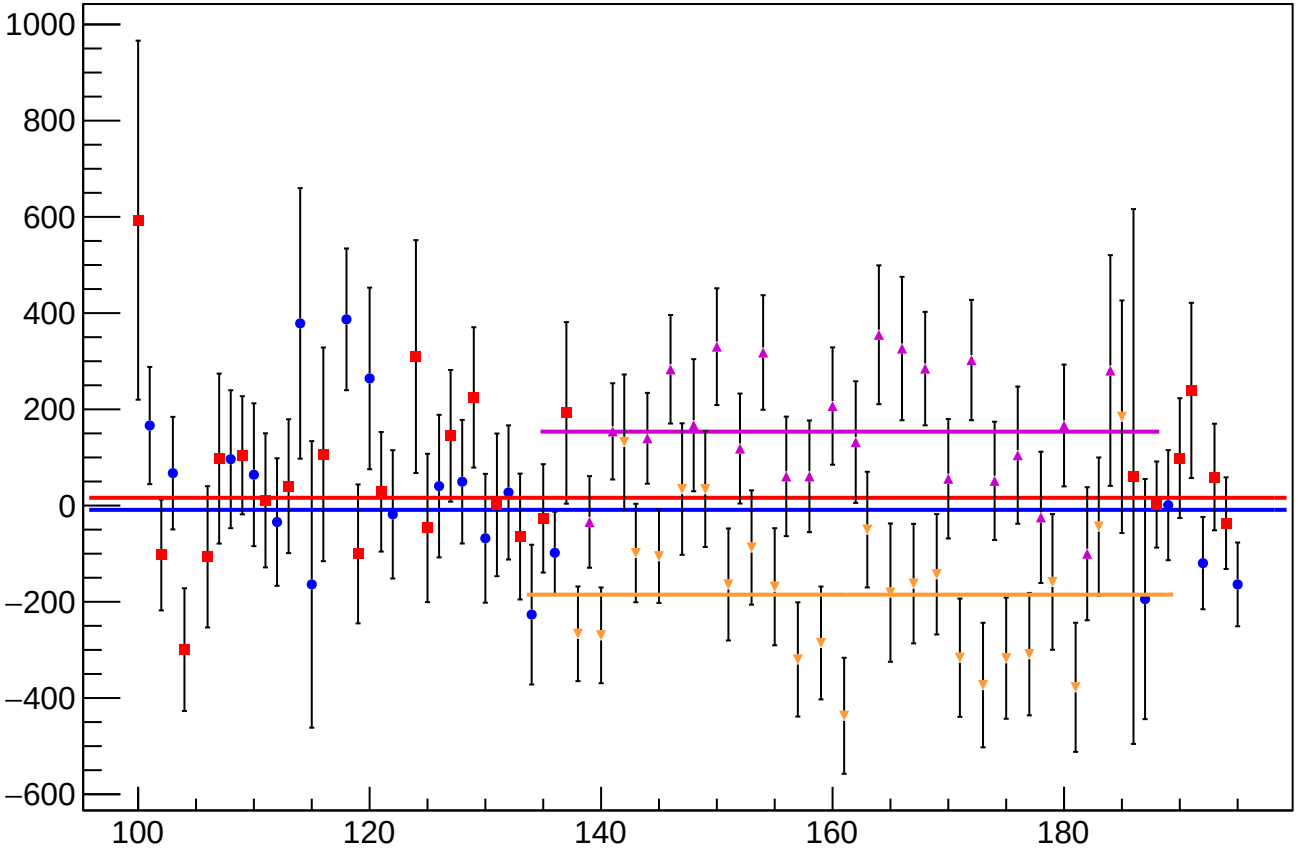
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7850400.4/44

All: 0.000+/-0.000 χ^2/NDF: 16636021.5/92

- sign 0.000+/-0.000 χ^2/NDF: 8406919.2/47

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: 16.177+/-27.629 χ^2/NDF: 20.3/24

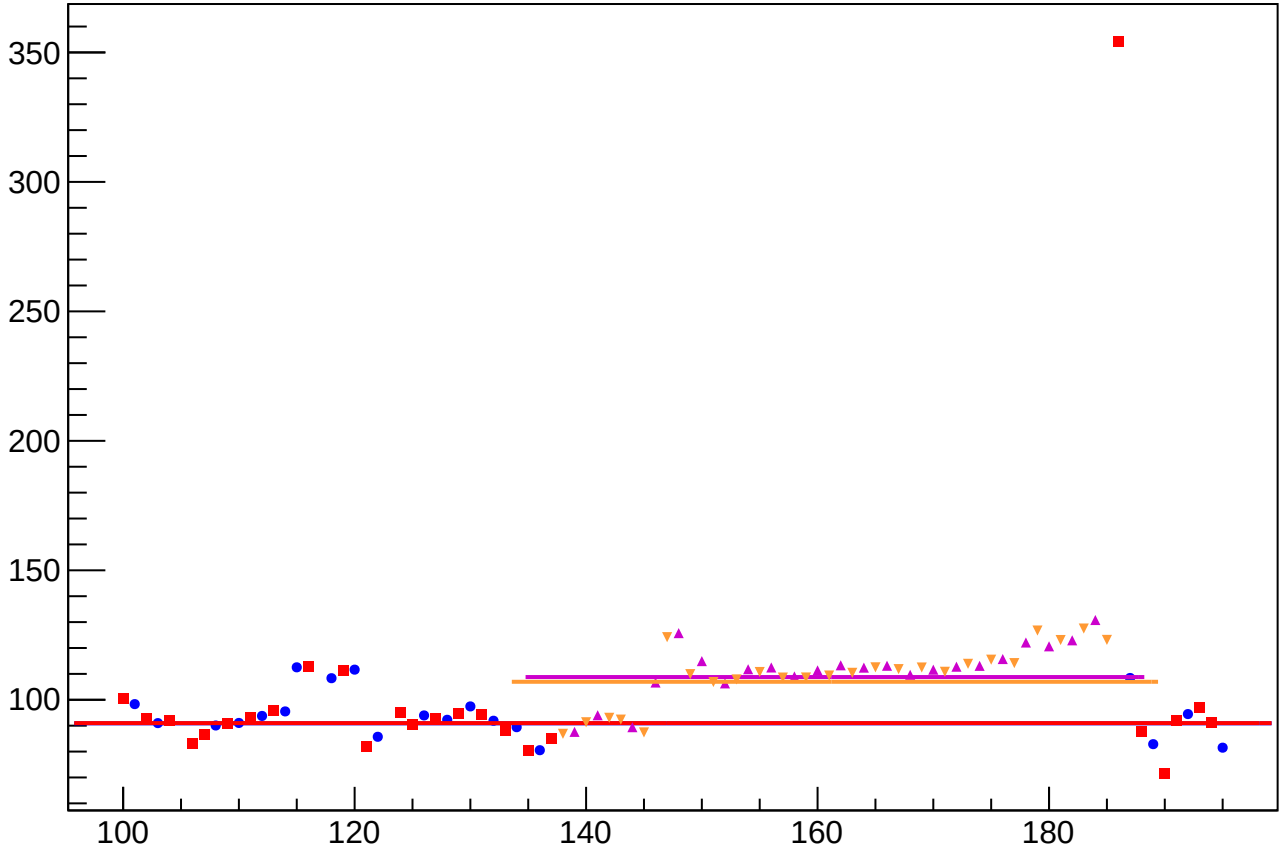
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.342+/-18.733 χ^2/NDF: 78.3/44

All: -11.131+/-13.254 χ^2/NDF: 193.9/92

- sign 90.298+/-18.754 χ^2/NDF: 57.1/47

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: 90.992+/-0.020 χ^2/NDF: 611095.1/24

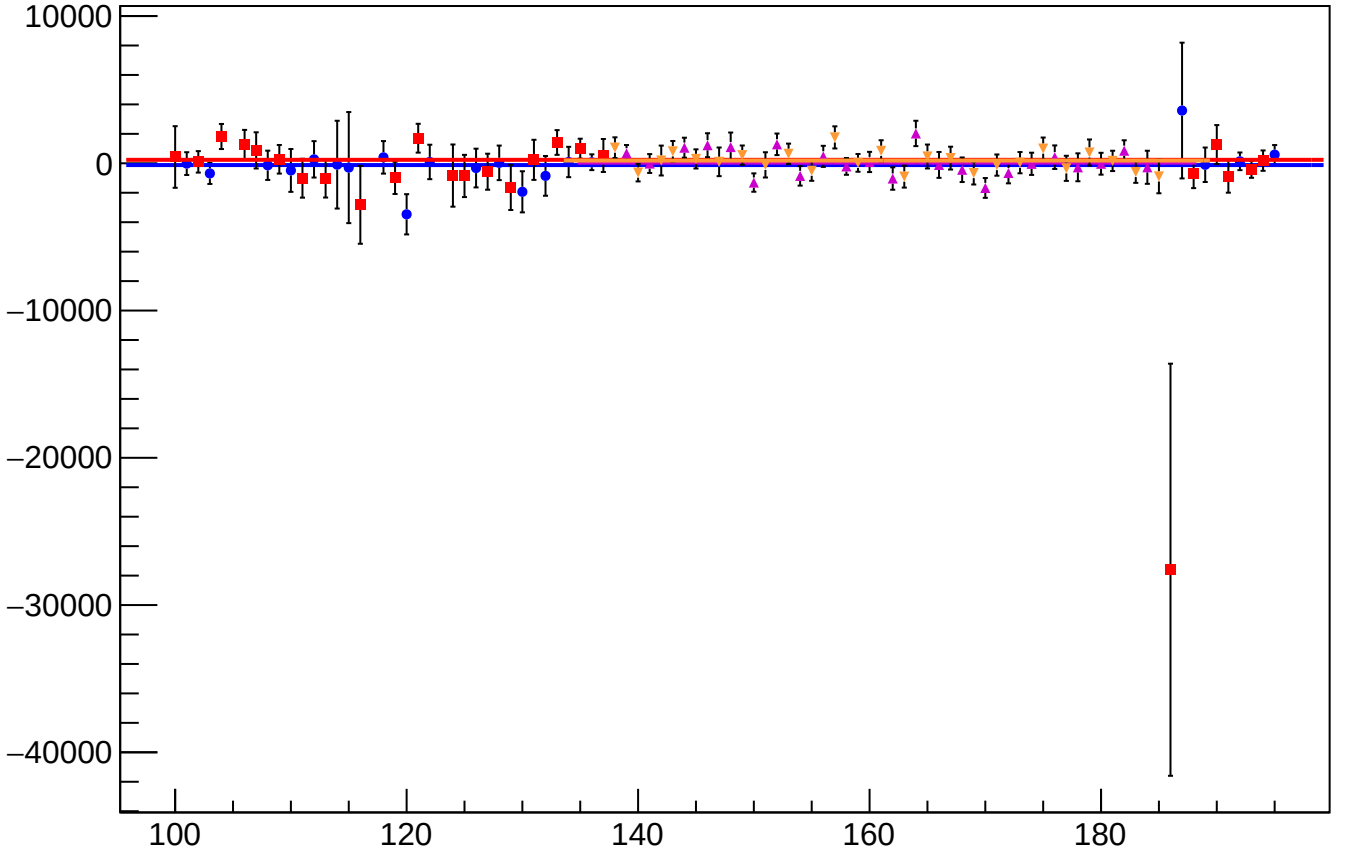
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 100.323+/-0.013 χ^2/NDF: 976616.6/44

All: 100.453+/-0.009 χ^2/NDF: 2393428.8/92

- sign 100.585+/-0.013 χ^2/NDF: 1416616.6/47

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: 235.563+/-205.162 χ^2/NDF: 25.5/24

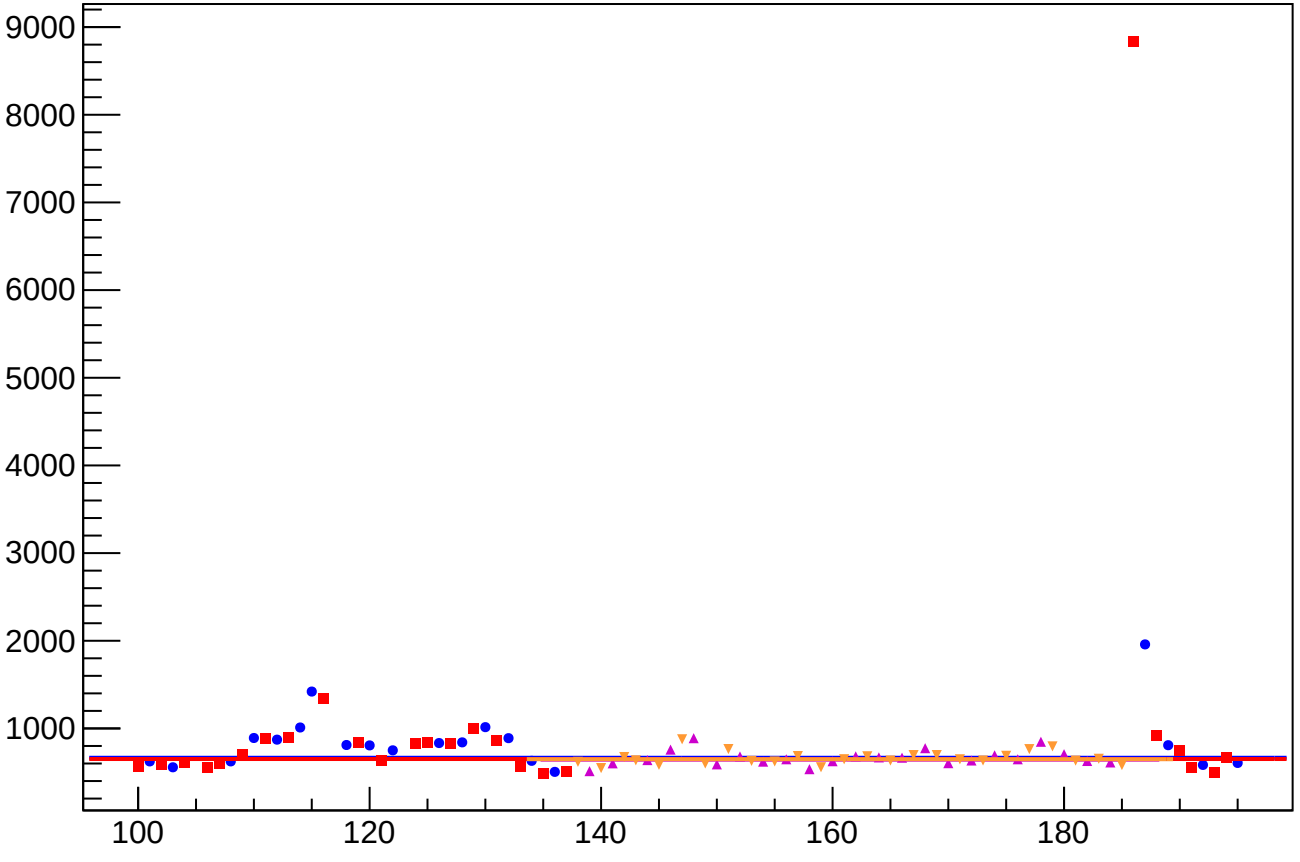
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 90.028+/-123.189 χ^2/NDF: 31.6/44

All: 100.821+/-86.743 χ^2/NDF: 91.5/92

- sign 111.435+/-122.163 χ^2/NDF: 59.8/47

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: 651.262+/-0.145 χ^2/NDF: 1796763.5/24

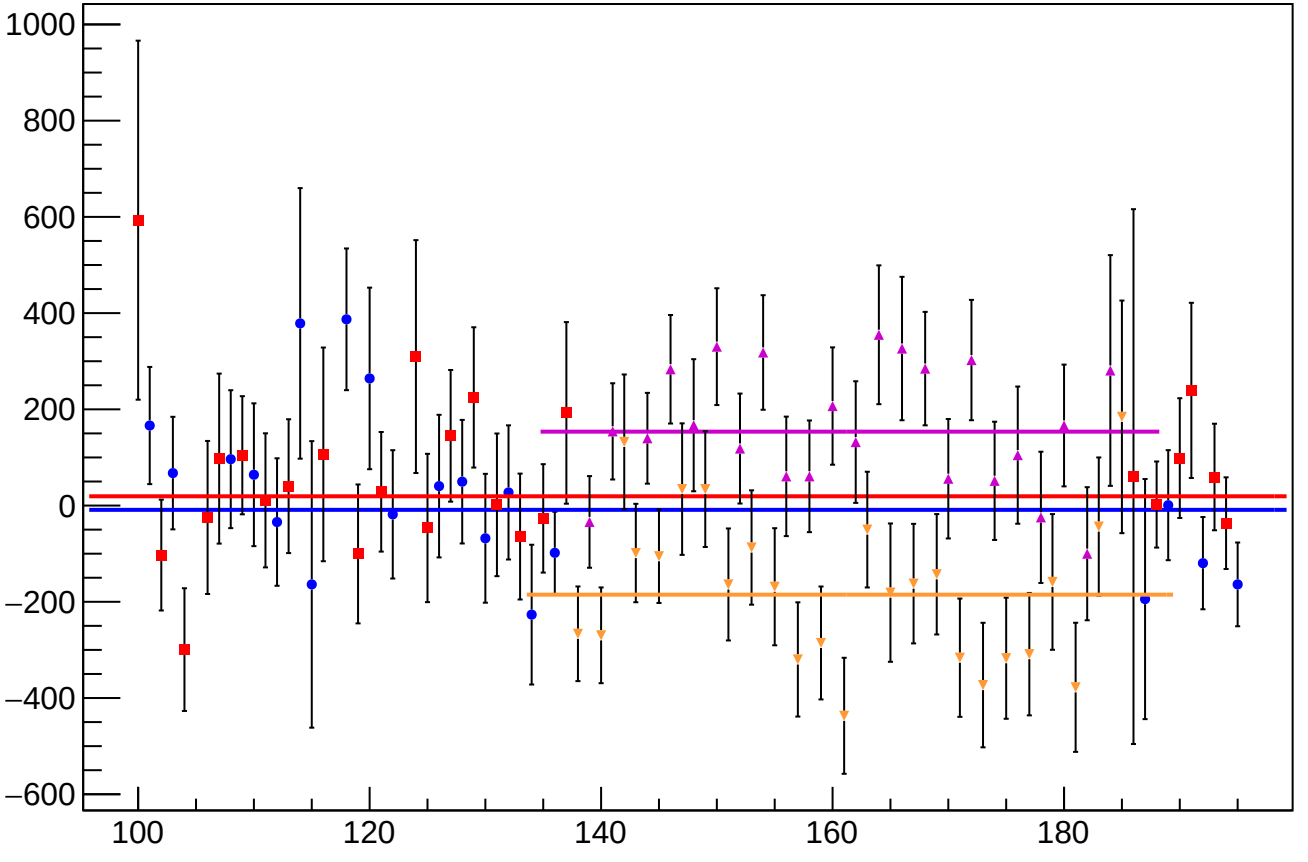
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440250.3/44

All: 650.435+/-0.061 χ^2/NDF: 3801650.3/92

- sign 646.621+/-0.086 χ^2/NDF: 2357468.6/47

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: 19.299+/-27.701 χ^2/NDF: 19.6/24

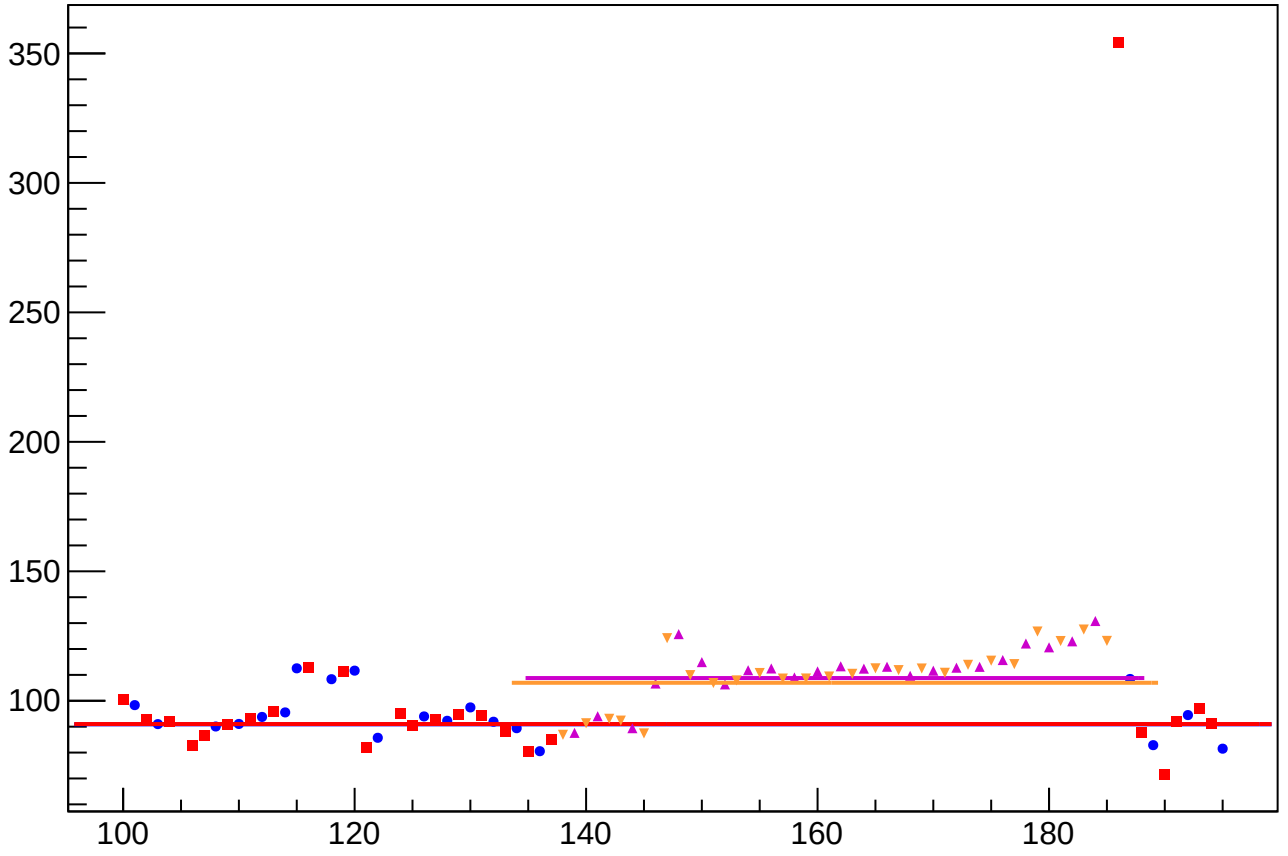
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.339+/-18.733 χ^2/NDF: 78.3/44

All: -10.445+/-13.262 χ^2/NDF: 193.5/92

- sign 91.915+/-18.776 χ^2/NDF: 55.9/47

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: 91.017+/-0.020 χ^2/NDF: 610957.6/24

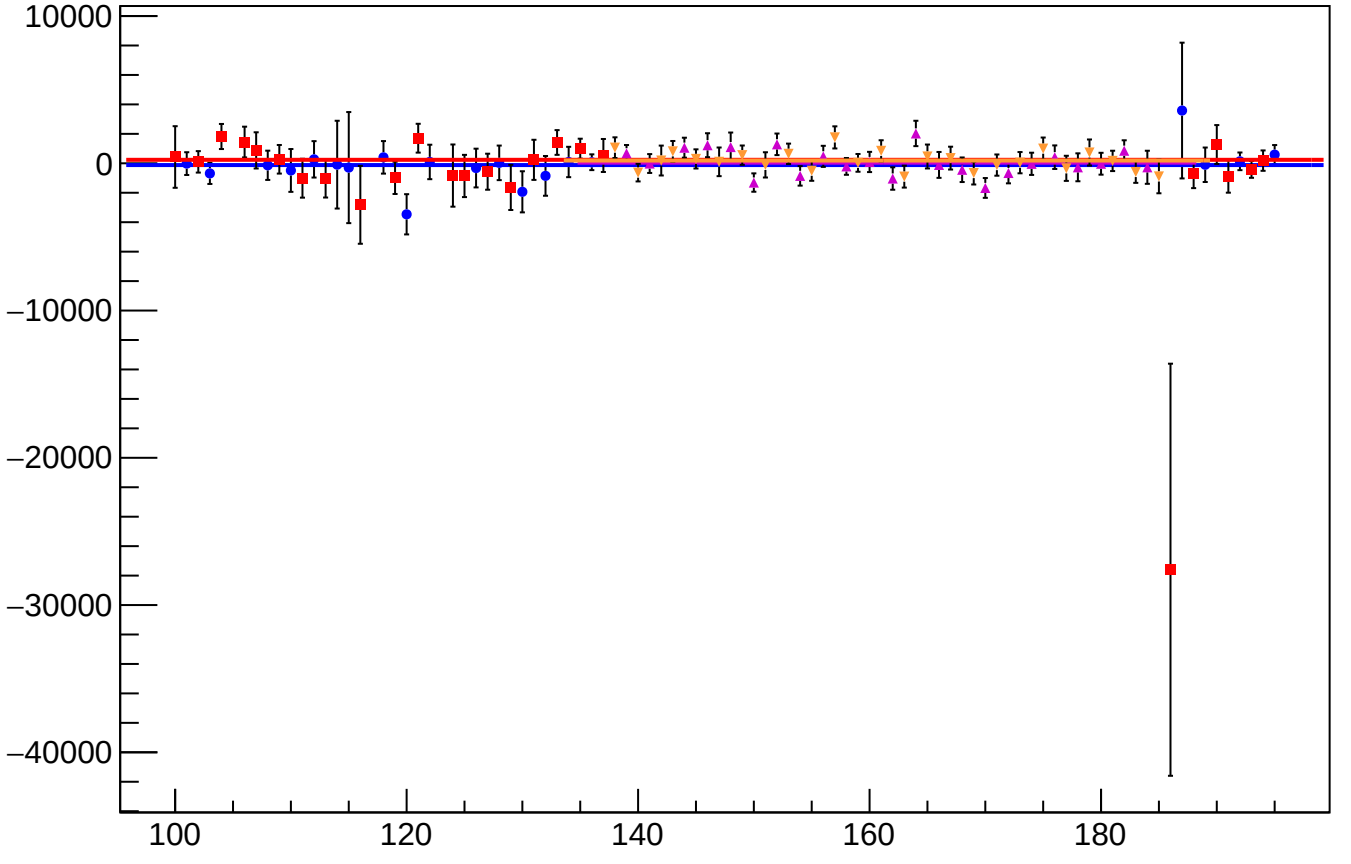
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 100.323+/-0.013 χ^2/NDF: 976616.5/44

All: 100.471+/-0.009 χ^2/NDF: 2390852.1/92

\- sign 100.619+/-0.013 χ^2/NDF: 1413985.4/47

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: 237.117+/-205.625 χ^2/NDF: 25.7/24

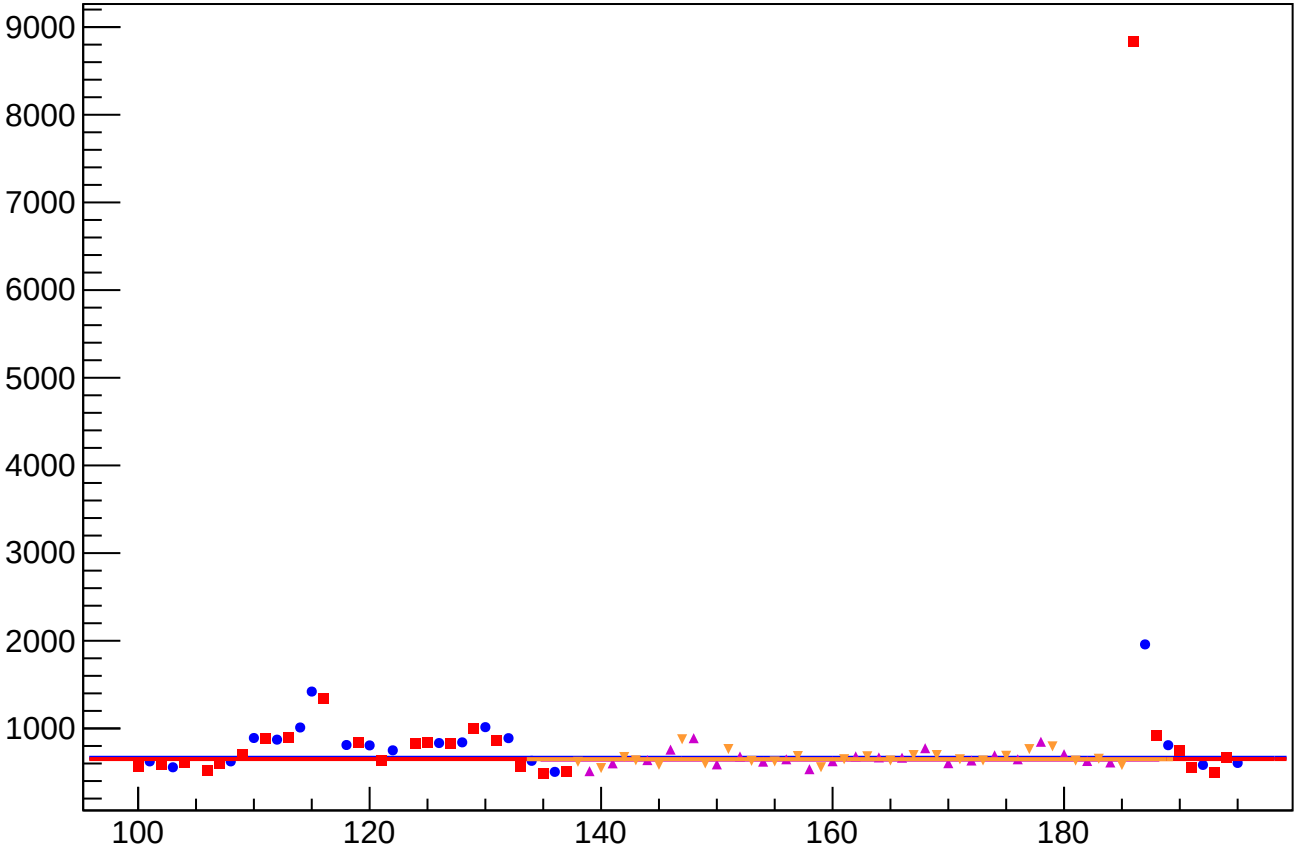
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 90.024+/-123.189 χ^2/NDF: 31.6/44

All: 100.989+/-86.778 χ^2/NDF: 91.7/92

- sign 111.788+/-122.261 χ^2/NDF: 60.0/47

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: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

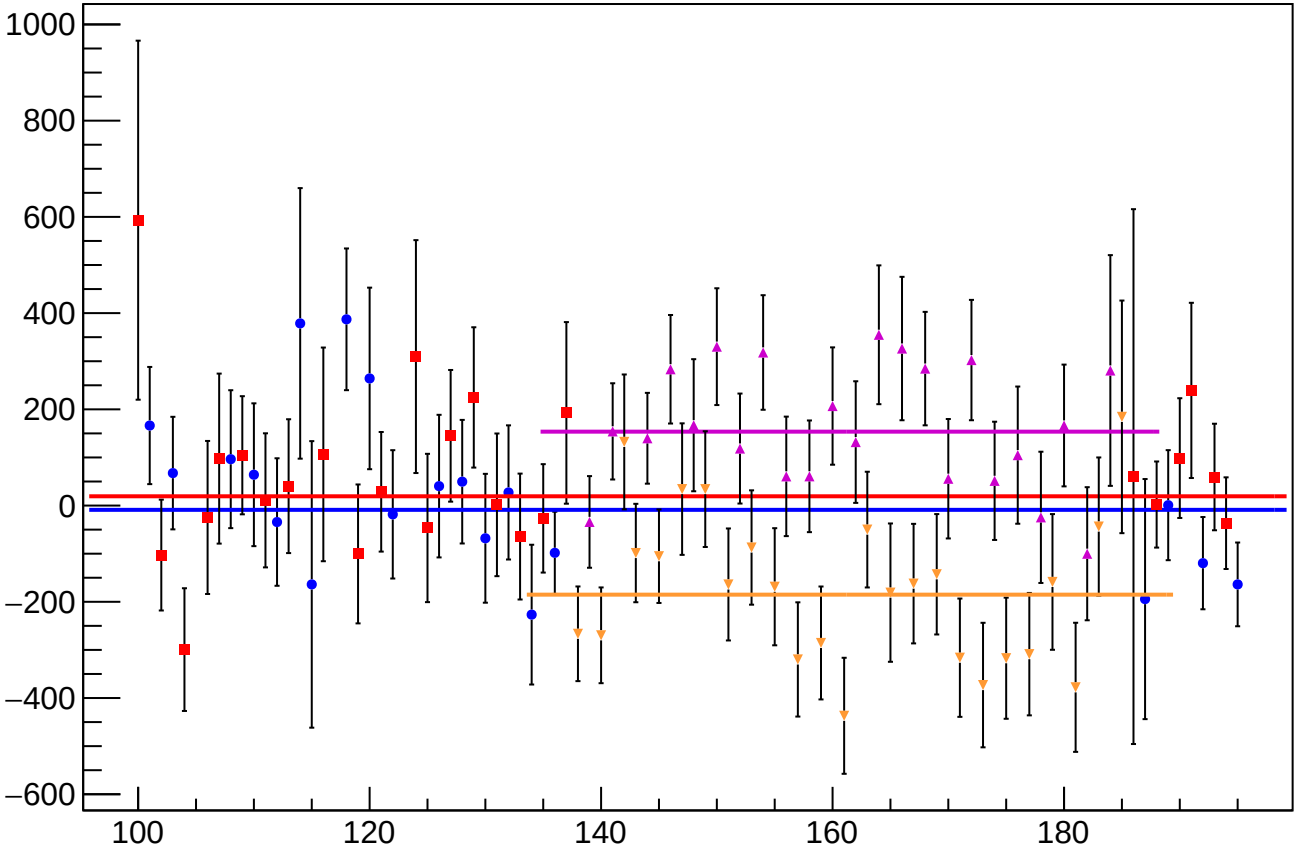
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440251.6/44

All: 650.323+/-0.061 χ^2/NDF: 3811190.3/92

- sign 646.392+/-0.086 χ^2/NDF: 2366772.8/47

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: 19.299+/-27.701 χ^2/NDF: 19.6/24

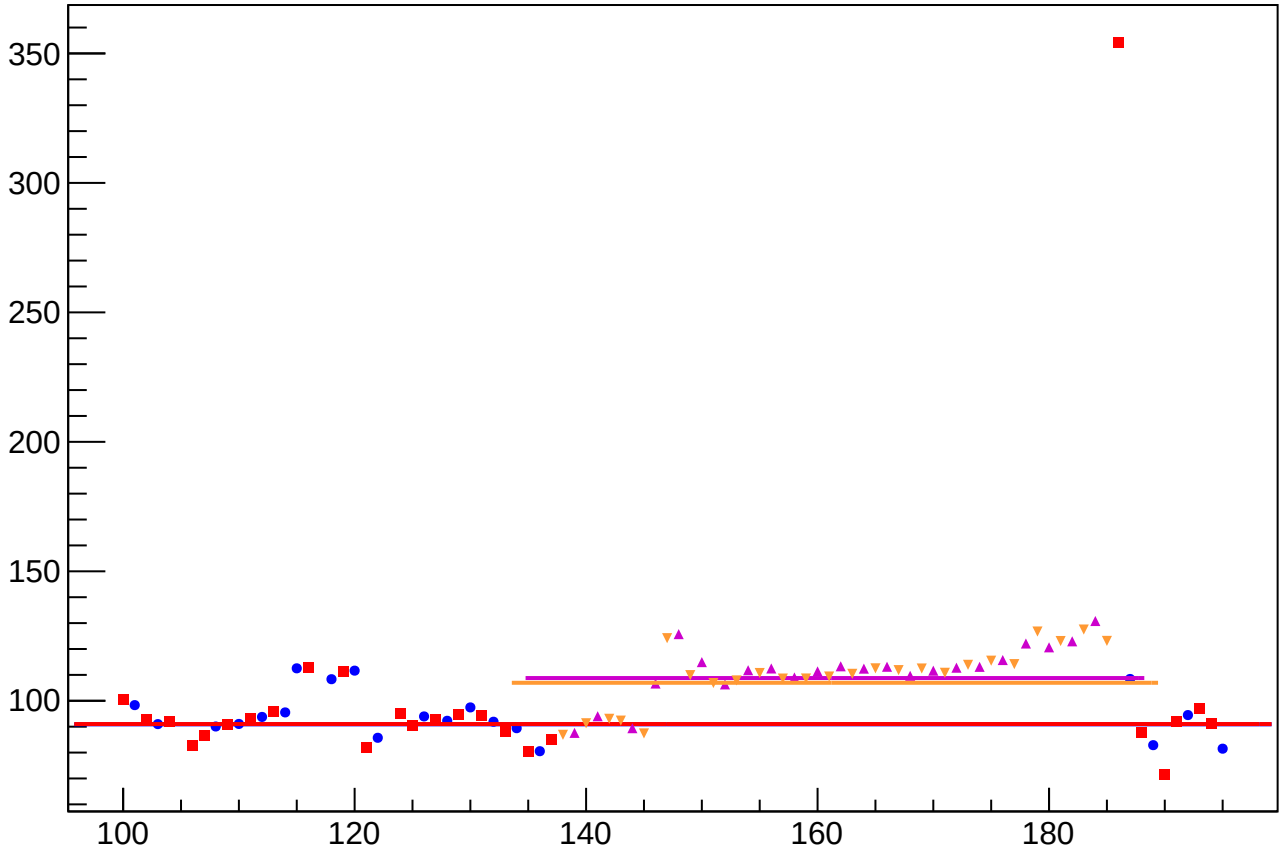
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.339+/-18.733 χ^2/NDF: 78.3/44

All: -10.445+/-13.262 χ^2/NDF: 193.5/92

- sign 91.915+/-18.776 χ^2/NDF: 55.9/47

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: 91.017+/-0.020 χ^2/NDF: 610957.6/24

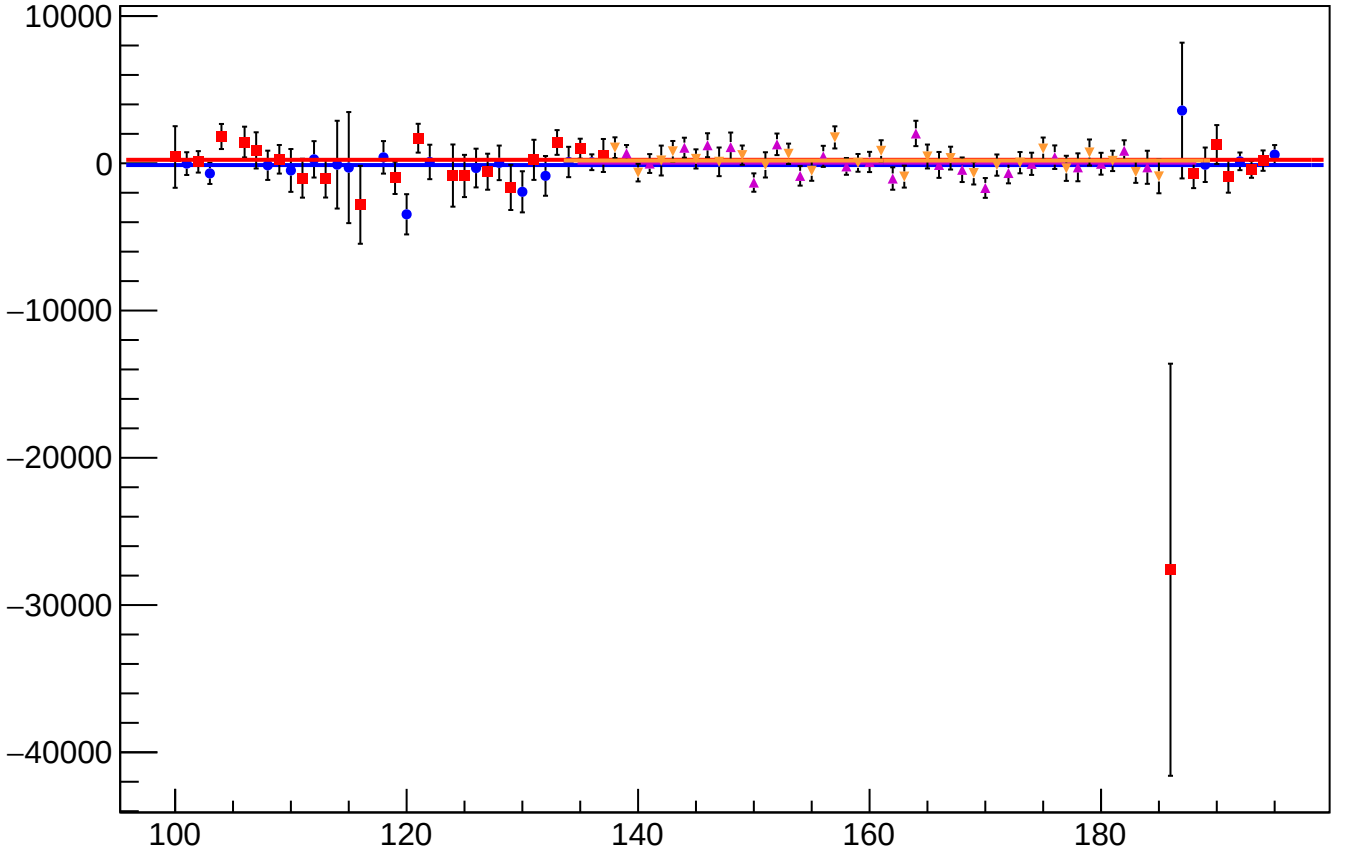
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 100.323+/-0.013 χ^2/NDF: 976616.5/44

All: 100.471+/-0.009 χ^2/NDF: 2390852.1/92

\- sign 100.619+/-0.013 χ^2/NDF: 1413985.4/47

asym_sam_15_dd_eigen_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: 237.117+/-205.625 χ^2/NDF: 25.7/24

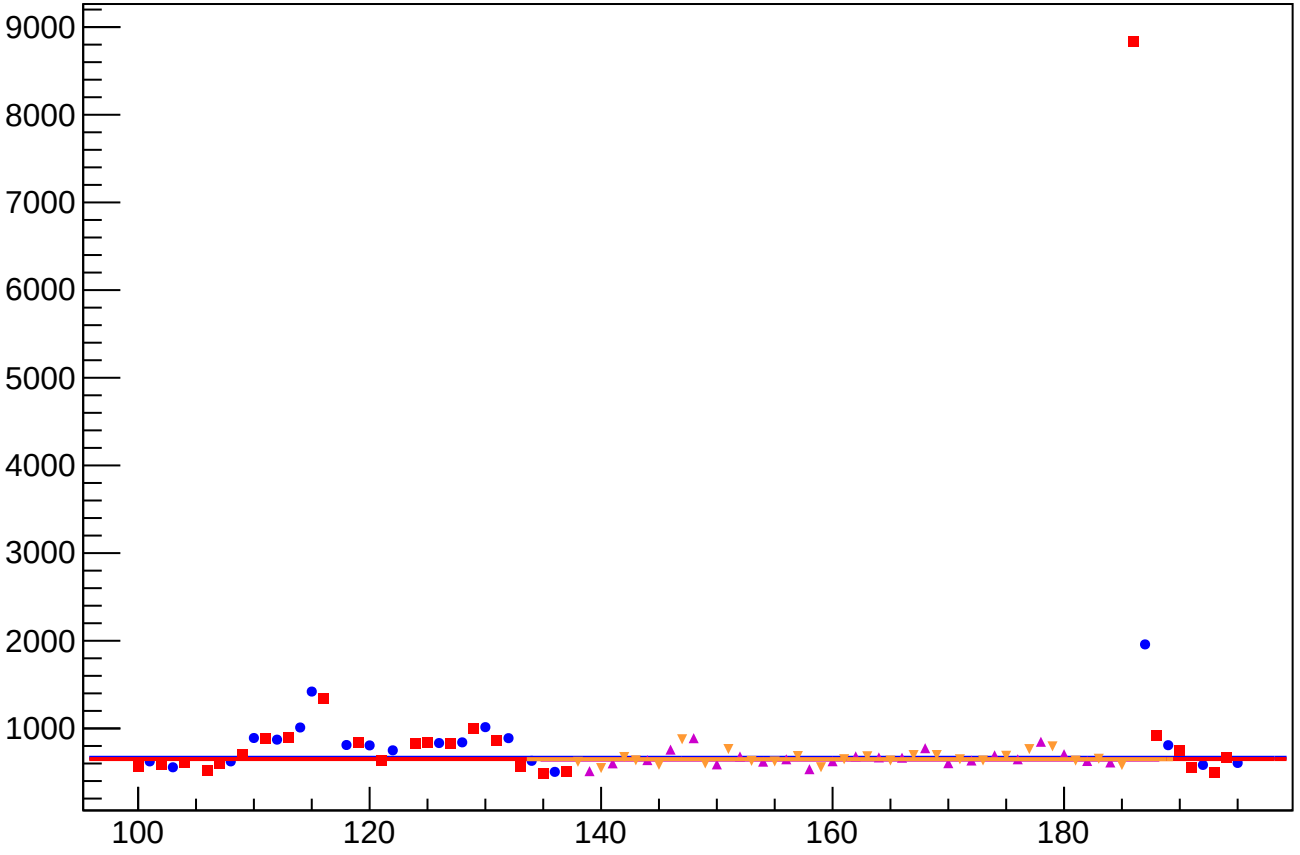
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 90.024+/-123.189 χ^2/NDF: 31.6/44

All: 100.989+/-86.778 χ^2/NDF: 91.7/92

- sign 111.788+/-122.261 χ^2/NDF: 60.0/47

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: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

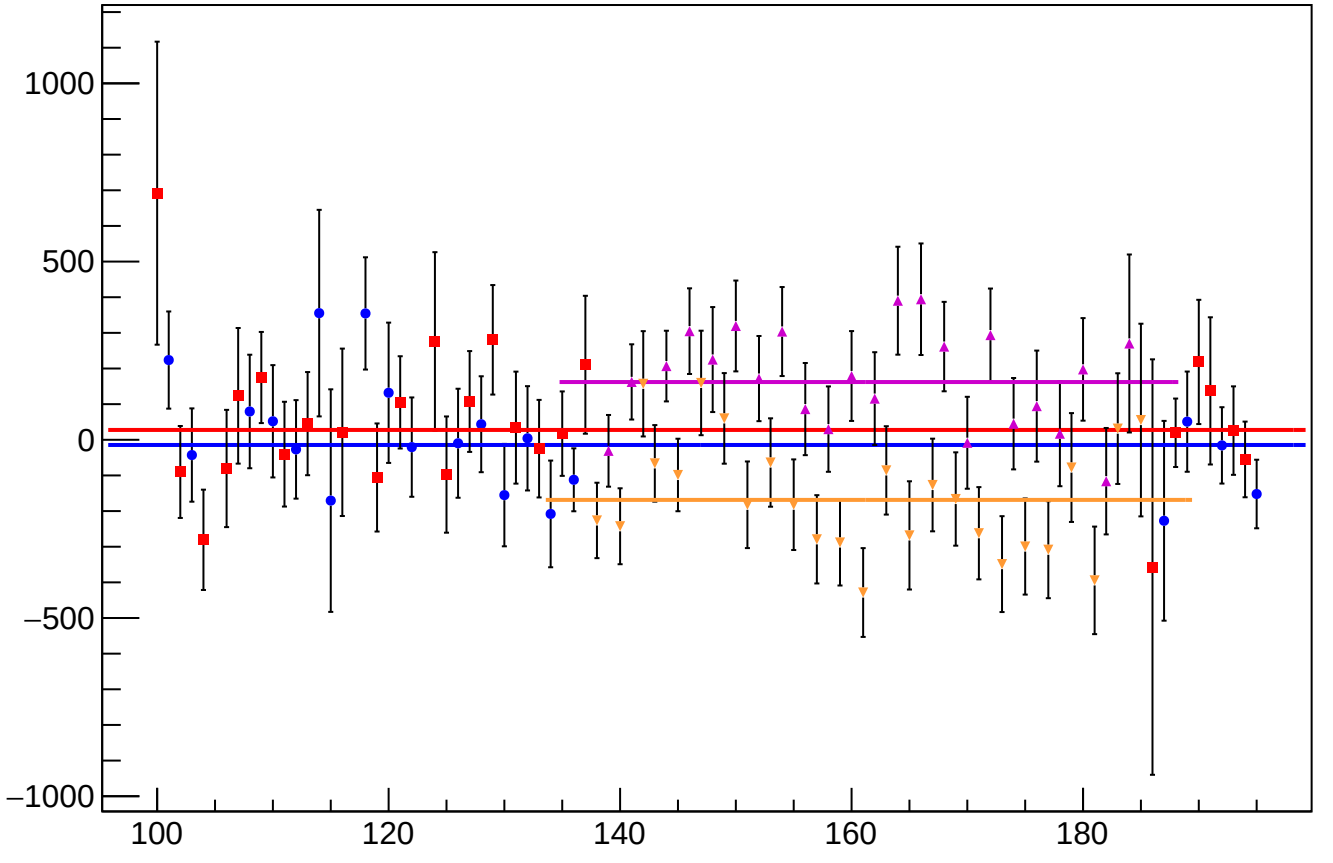
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 654.313+/-0.087 χ^2/NDF: 1440251.6/44

All: 650.323+/-0.061 χ^2/NDF: 3811190.3/92

- sign 646.392+/-0.086 χ^2/NDF: 2366772.8/47

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: 27.636+/-29.928 χ^2/NDF: 19.6/24

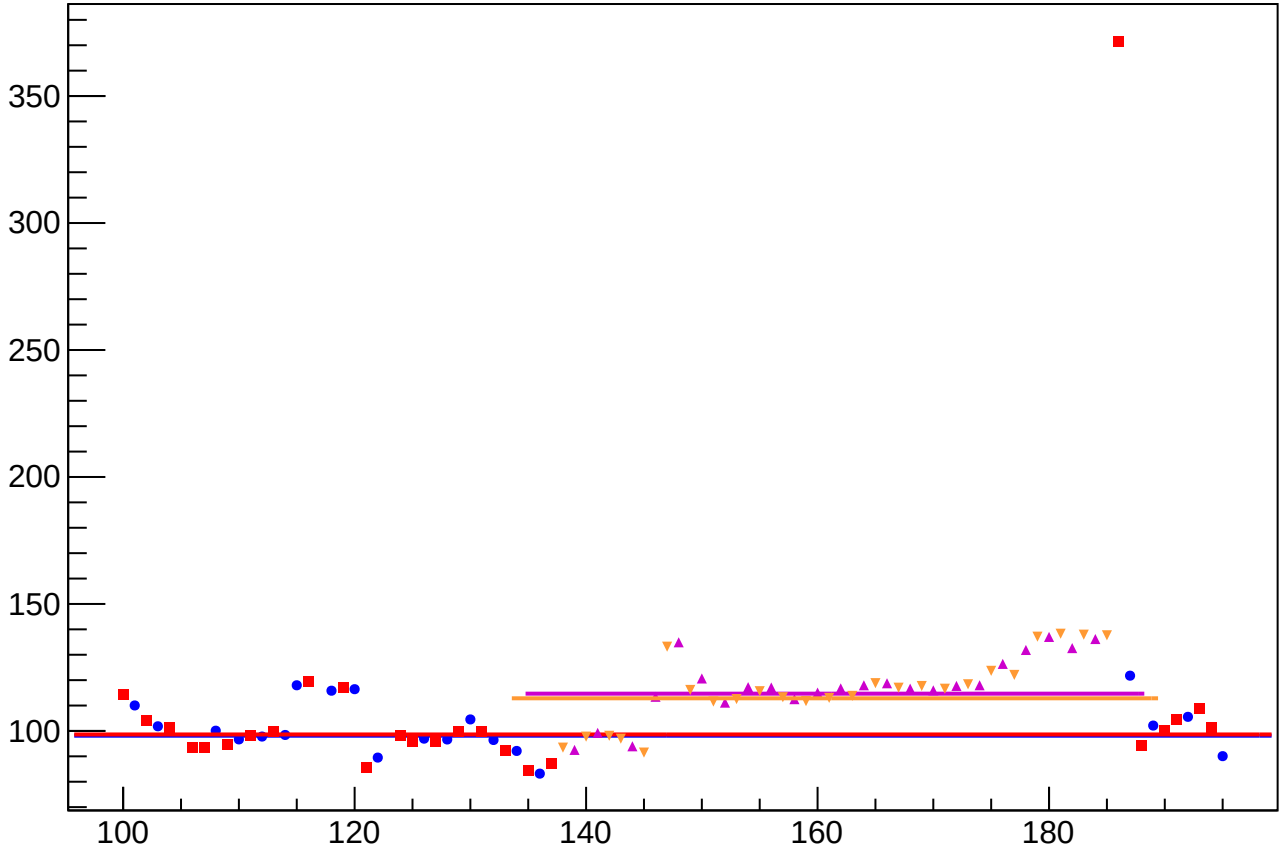
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -106.670+/-19.965 χ^2/NDF: 65.2/44

All: -2.727+/-14.139 χ^2/NDF: 173.9/92

- sign 101.855+/-20.026 χ^2/NDF: 54.3/47

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: 98.613+/-0.021 χ^2/NDF: 578837.6/24

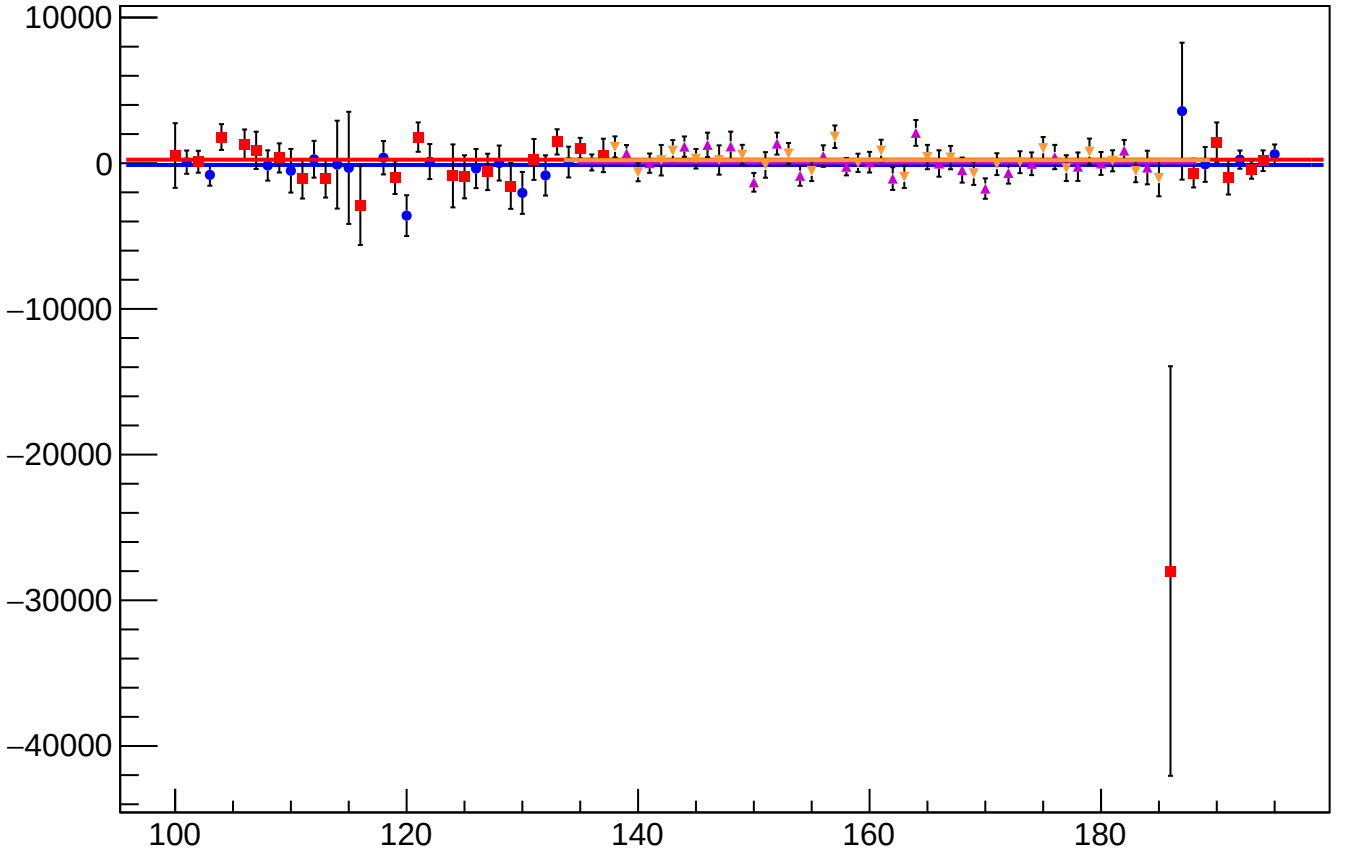
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.930+/-0.014 χ^2/NDF: 954045.8/44

All: 107.206+/-0.010 χ^2/NDF: 2261808.6/92

- sign 107.484+/-0.014 χ^2/NDF: 1306993.5/47

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: 242.148+/-212.166 χ^2/NDF: 25.4/24

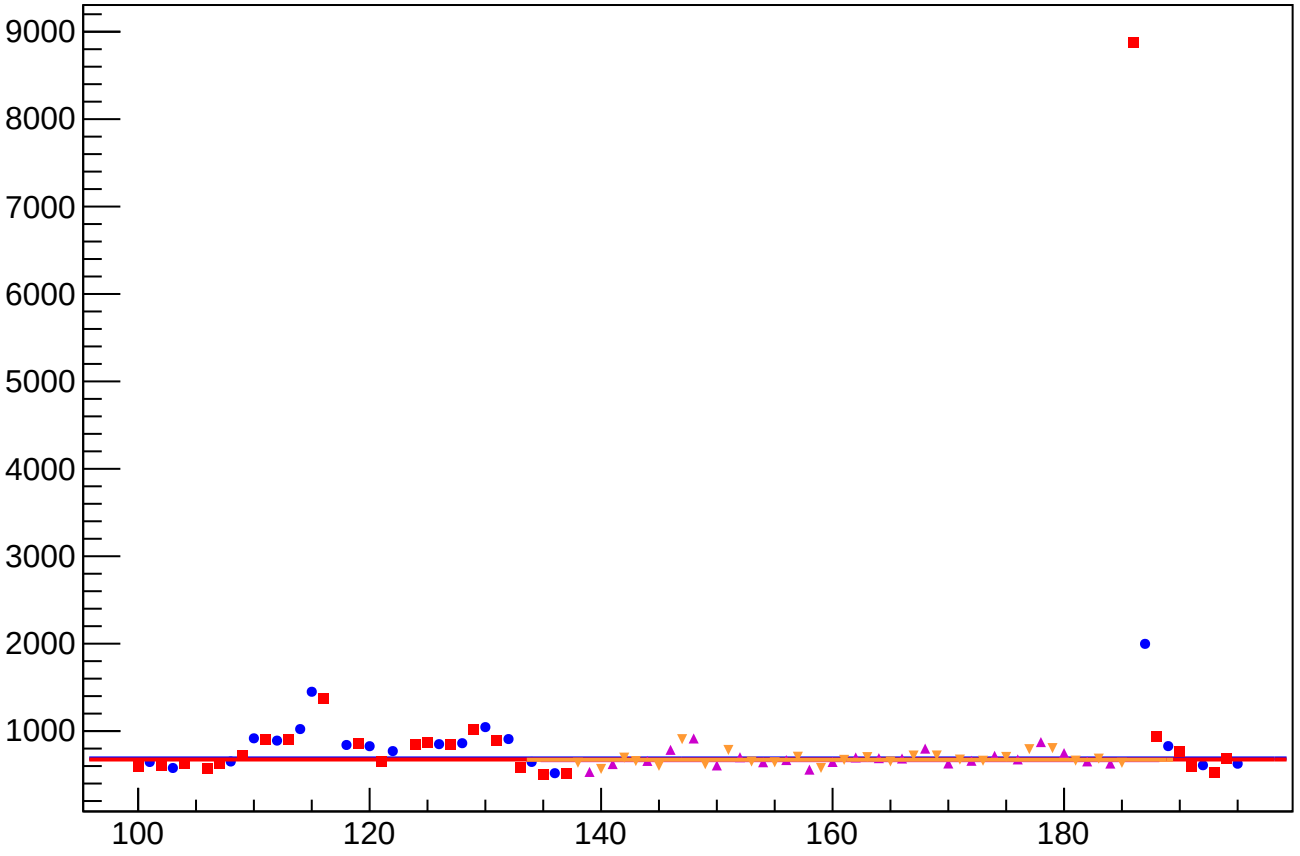
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 105.441+/-127.314 χ^2/NDF: 32.2/44

All: 111.980+/-89.720 χ^2/NDF: 91.4/92

- sign 118.431+/-126.456 χ^2/NDF: 59.2/47

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

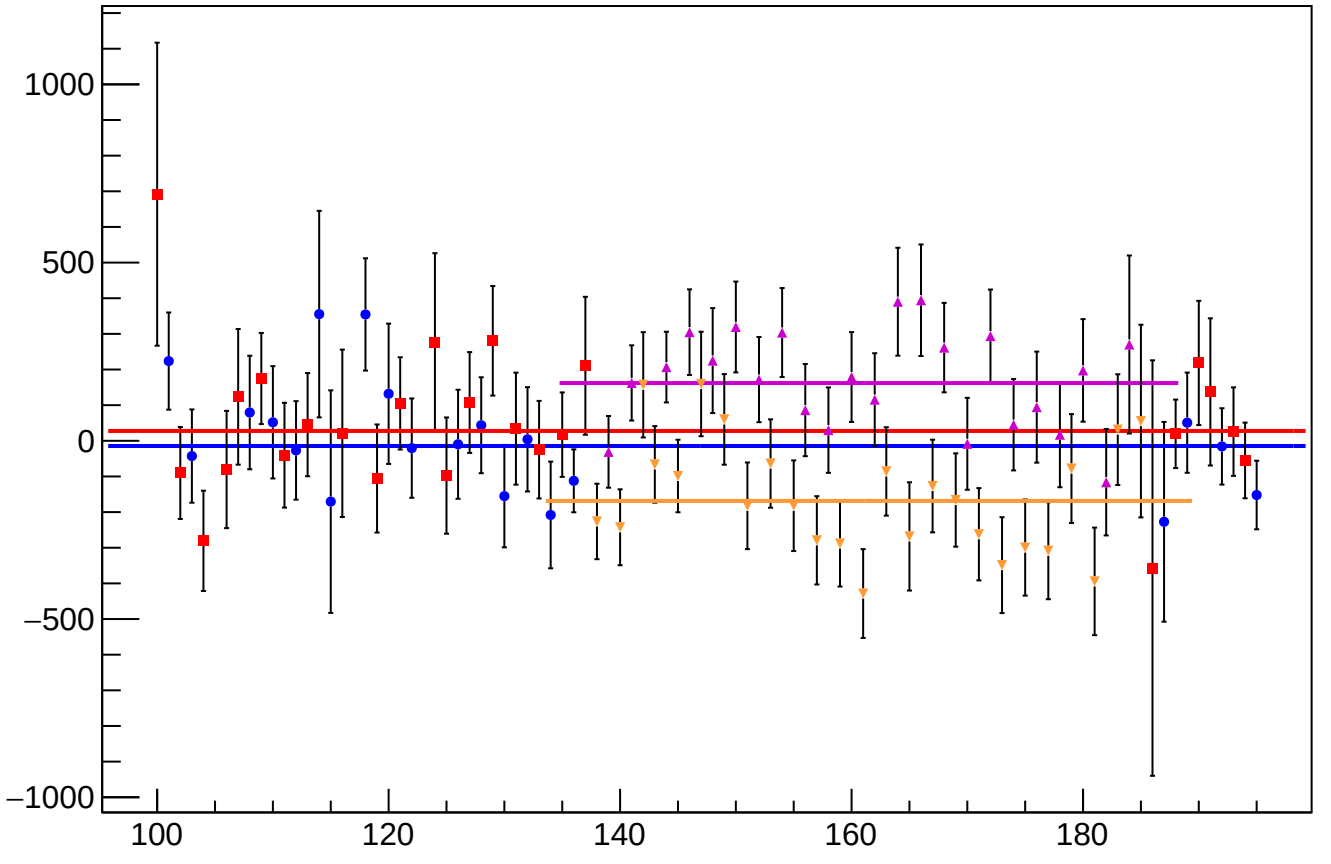
Right Out: 674.880+/-0.150 χ^2/NDF: 1729816.7/24

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 676.743+/-0.090 χ^2/NDF: 1394339.4/44

All: 673.358+/-0.063 χ^2/NDF: 3675495.8/92

- sign 670.019+/-0.089 χ^2/NDF: 2278348.6/47



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: 27.637+/-29.928 χ^2/NDF: 19.6/24

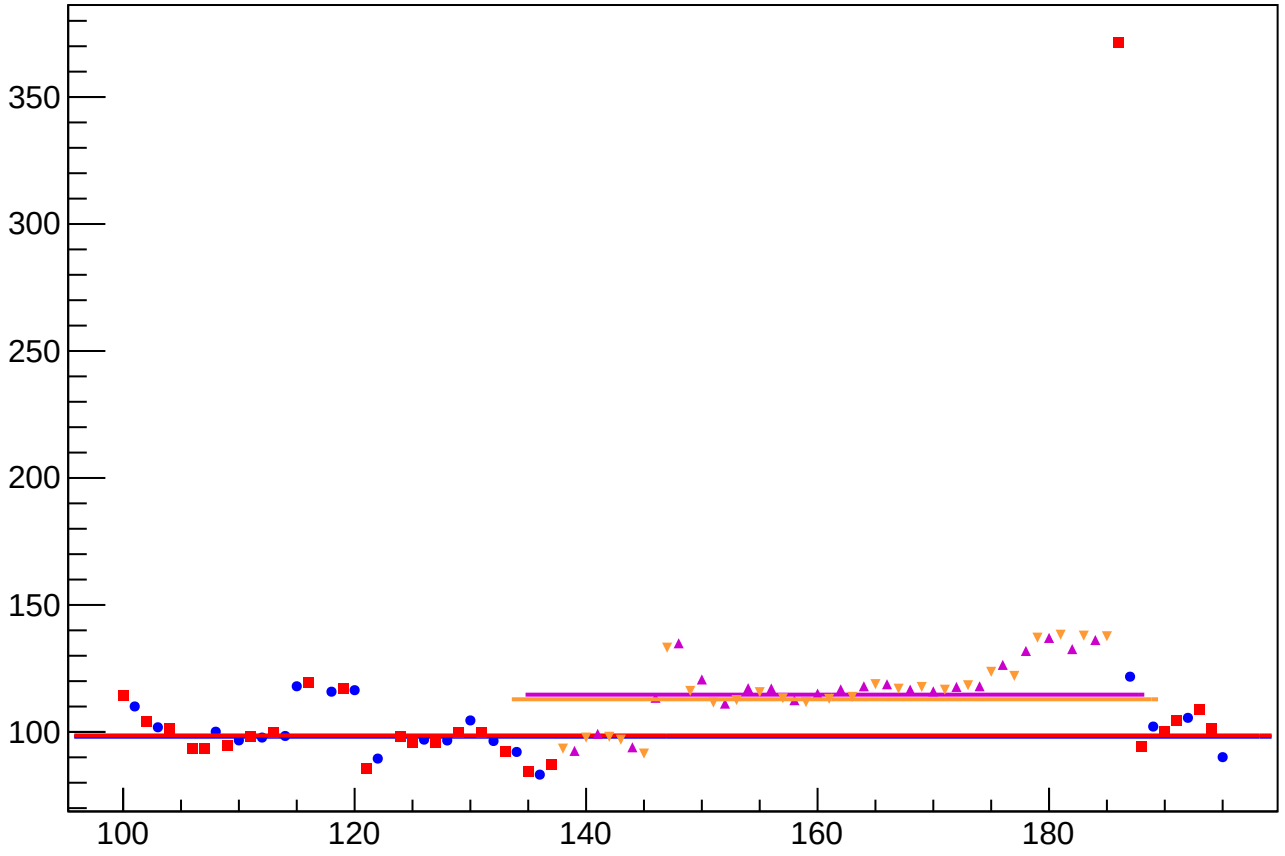
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -106.670+/-19.965 χ^2/NDF: 65.2/44

All: -2.726+/-14.139 χ^2/NDF: 173.9/92

- sign 101.855+/-20.026 χ^2/NDF: 54.3/47

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: 98.613+/-0.021 χ^2/NDF: 578836.8/24

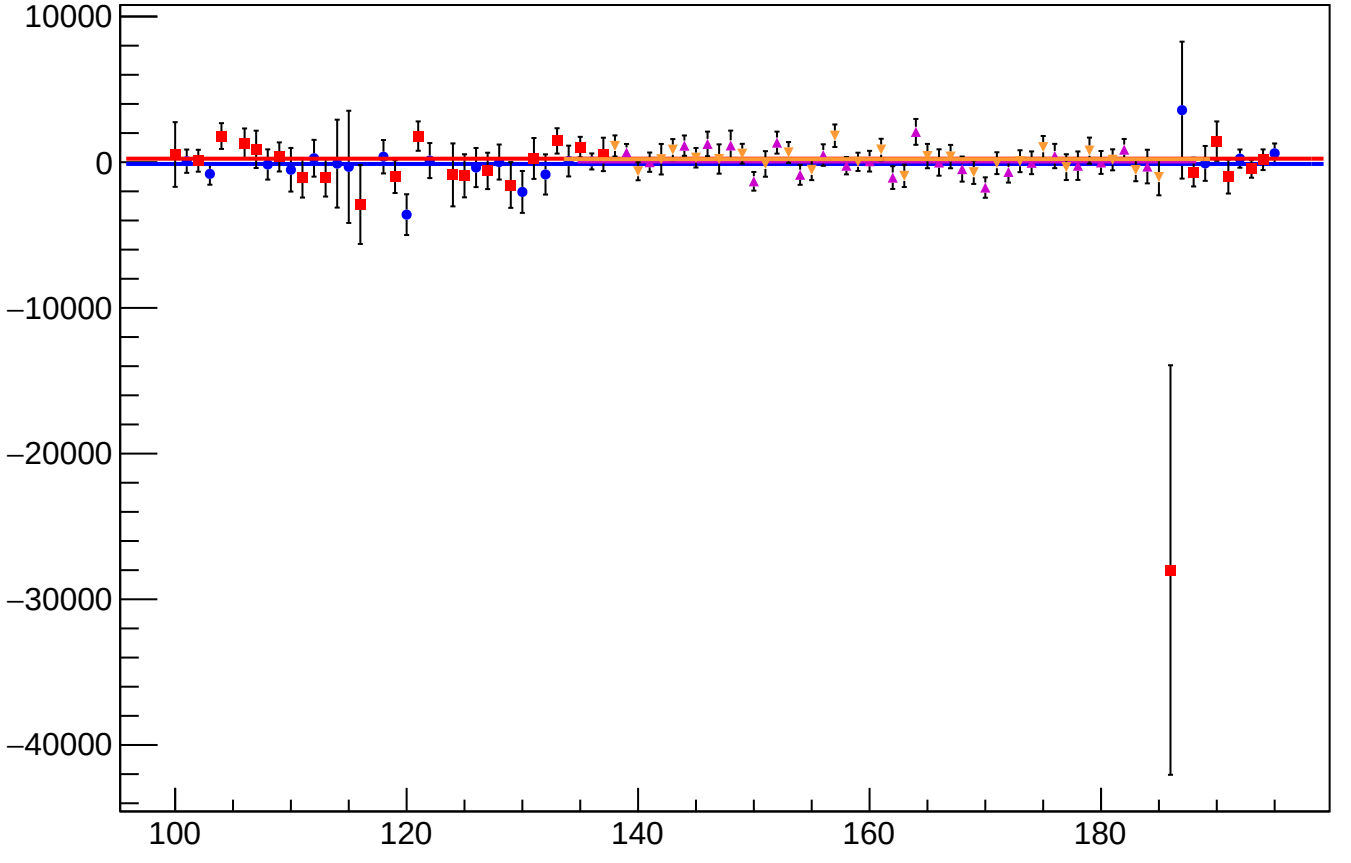
Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 106.930+/-0.014 χ^2/NDF: 954051.5/44

All: 107.206+/-0.010 χ^2/NDF: 2261821.6/92

- sign 107.484+/-0.014 χ^2/NDF: 1307000.8/47

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



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: 242.149+/-212.166 χ^2/NDF: 25.4/24

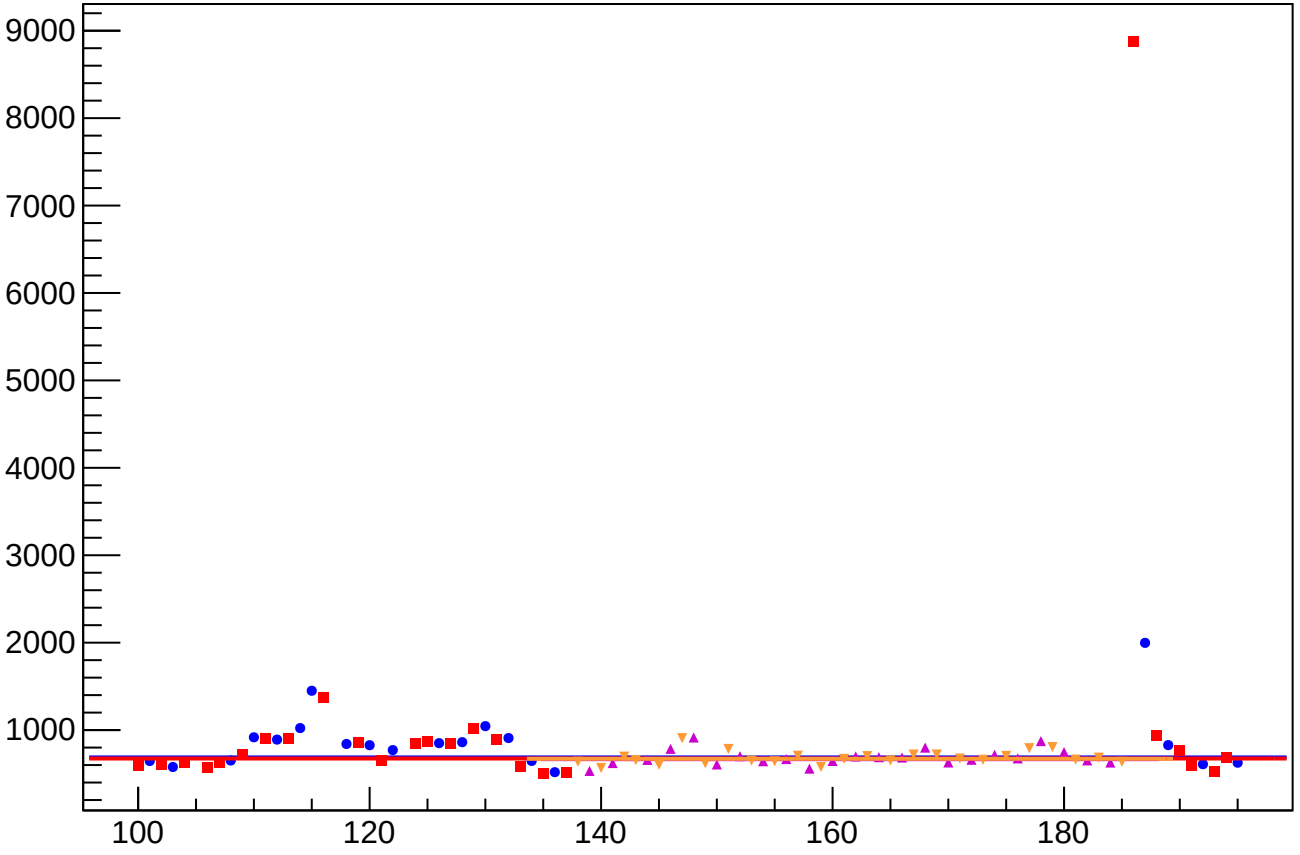
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 105.441+/-127.314 χ^2/NDF: 32.2/44

All: 111.980+/-89.720 χ^2/NDF: 91.4/92

- sign 118.431+/-126.456 χ^2/NDF: 59.2/47

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: 674.879+/-0.150 χ^2/NDF: 1729821.3/24

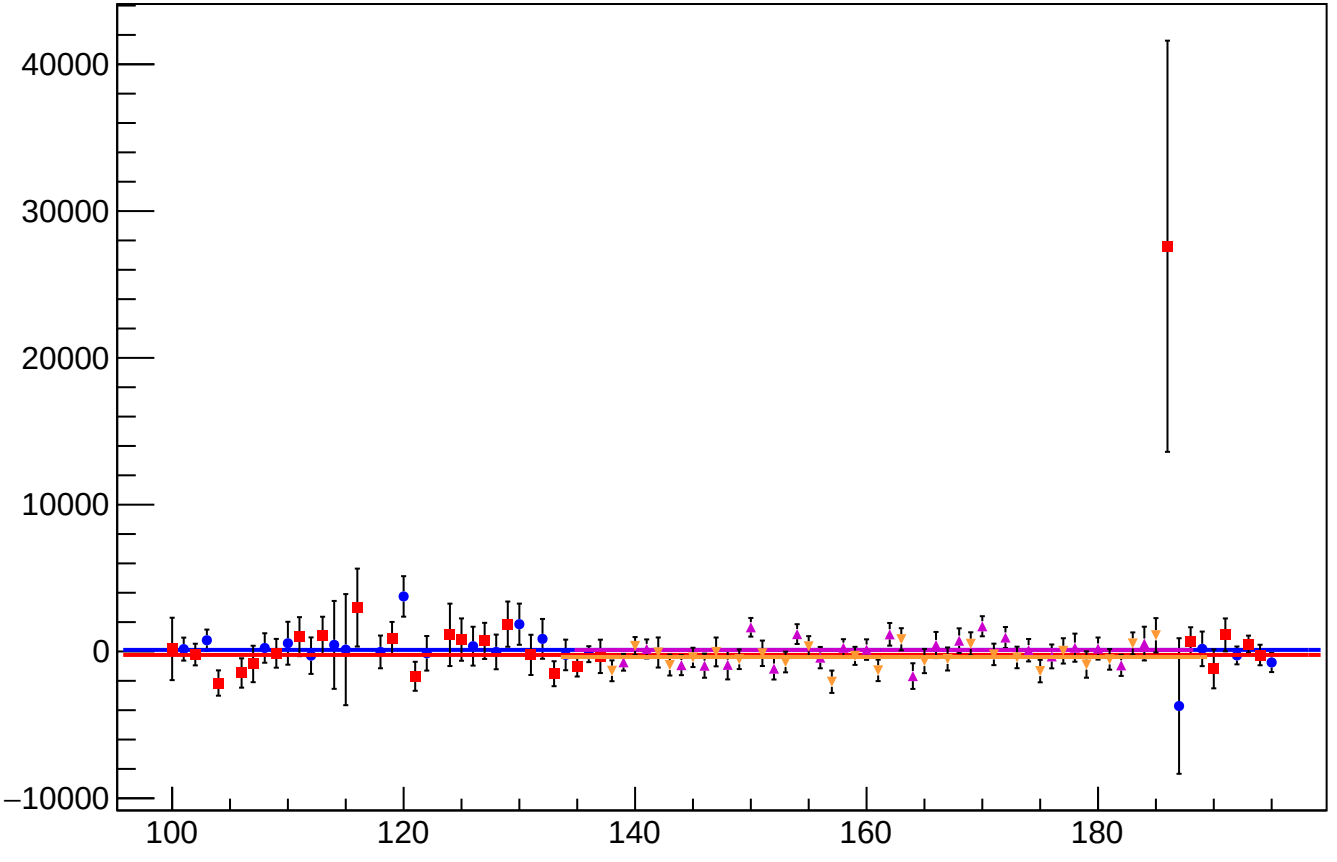
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 676.743+/-0.090 χ^2/NDF: 1394341.4/44

All: 673.359+/-0.063 χ^2/NDF: 3675503.9/92

- sign 670.020+/-0.089 χ^2/NDF: 2278354.7/47

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: -234.710+/-207.478 χ^2/NDF: 28.7/24

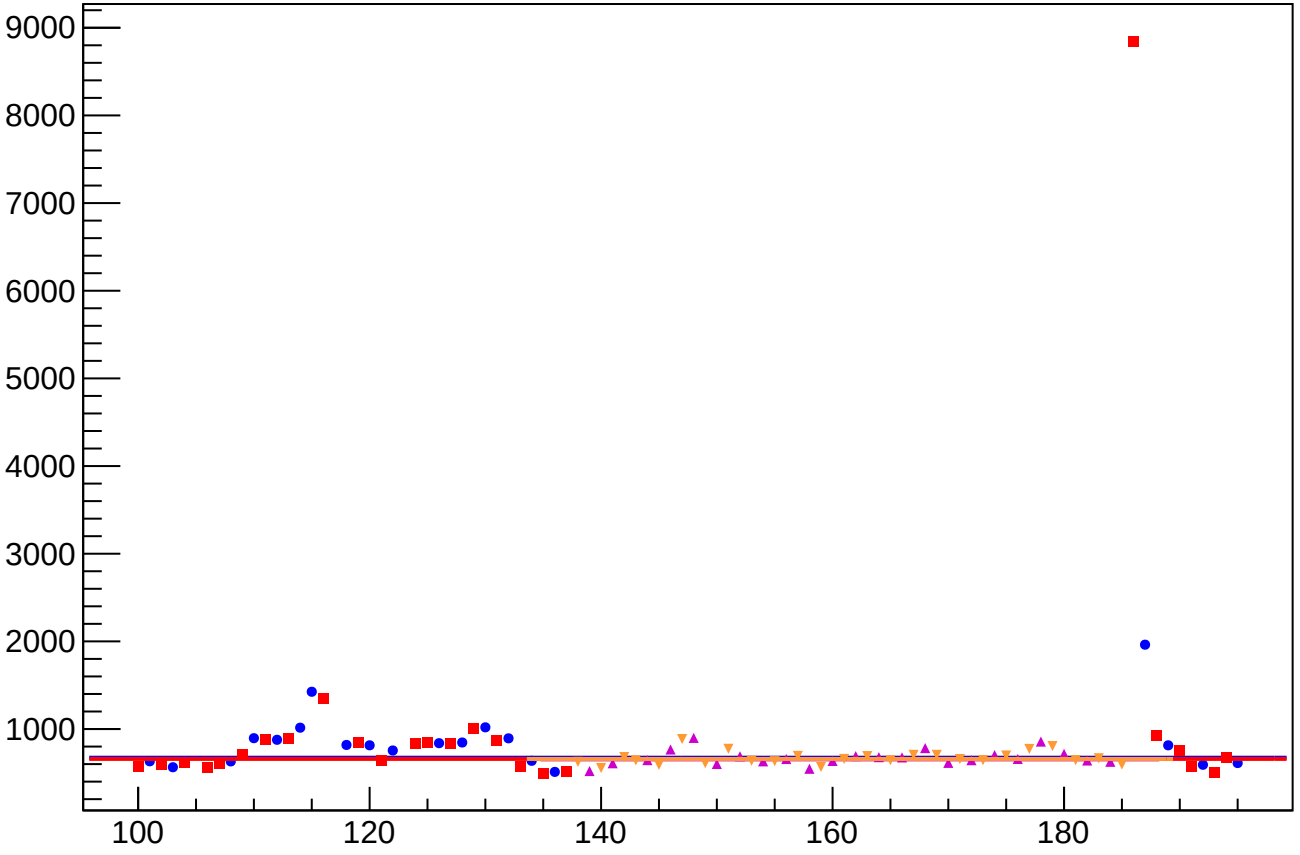
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -223.683+/-124.800 χ^2/NDF: 37.8/44

All: -119.583+/-87.903 χ^2/NDF: 105.1/92

- sign -17.093+/-123.832 χ^2/NDF: 65.9/47

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: 659.325+/-0.147 χ^2/NDF: 1762229.4/24

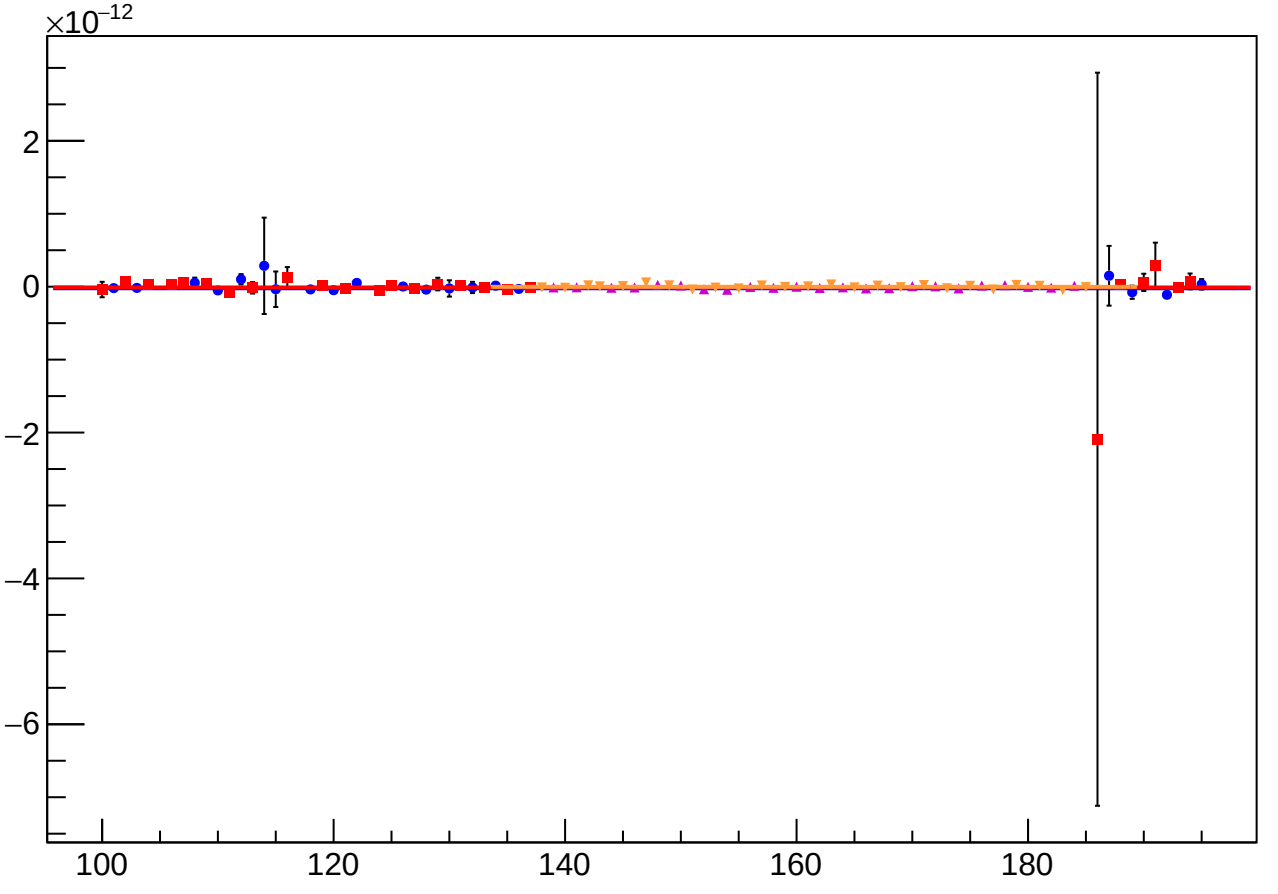
Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 663.169+/-0.088 χ^2/NDF: 1407094.3/44

All: 659.488+/-0.062 χ^2/NDF: 3715718.2/92

- sign 655.865+/-0.088 χ^2/NDF: 2305171.6/47

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



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: 19.7/24

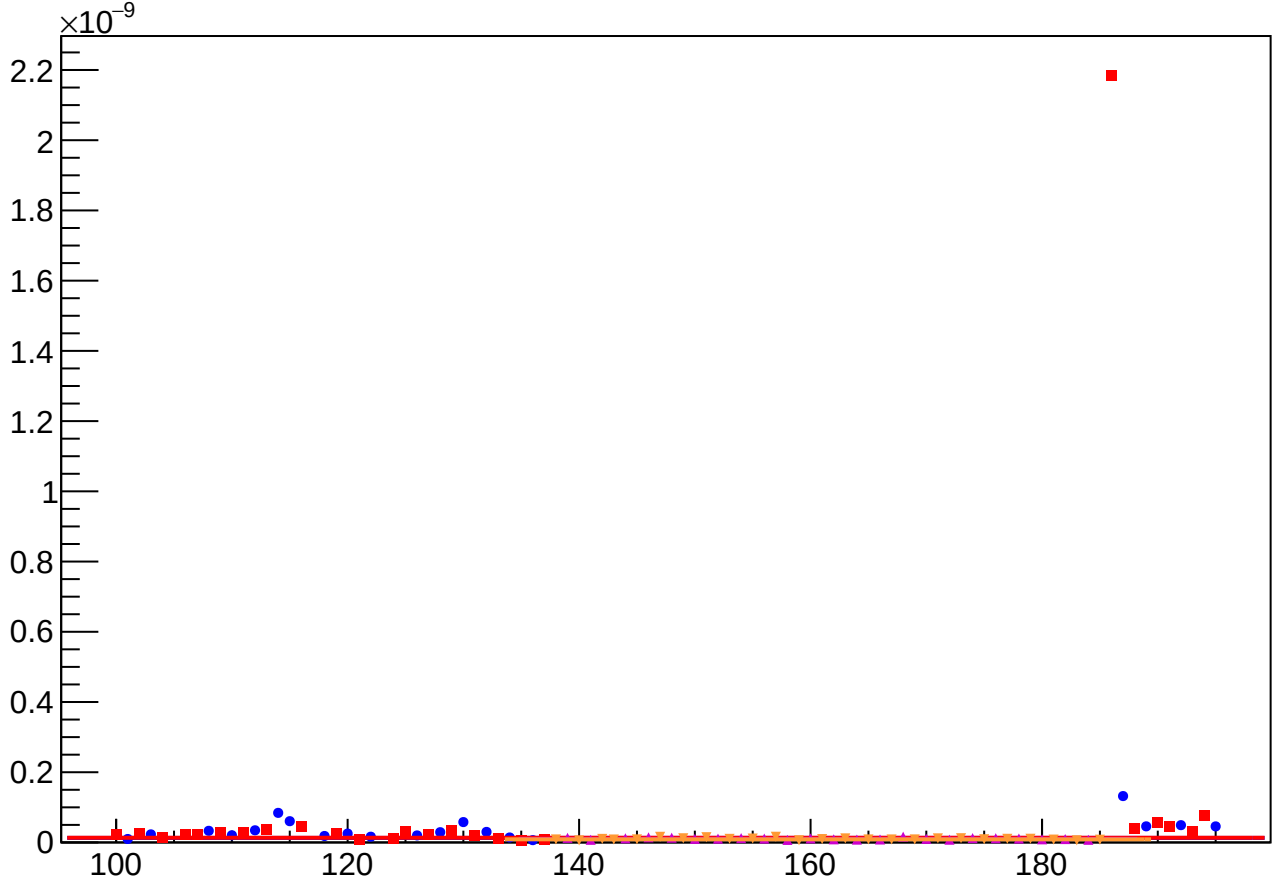
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/44

All: -0.000+/-0.000 χ^2/NDF: 85.9/92

- sign -0.000+/-0.000 χ^2/NDF: 35.4/47

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3613261.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

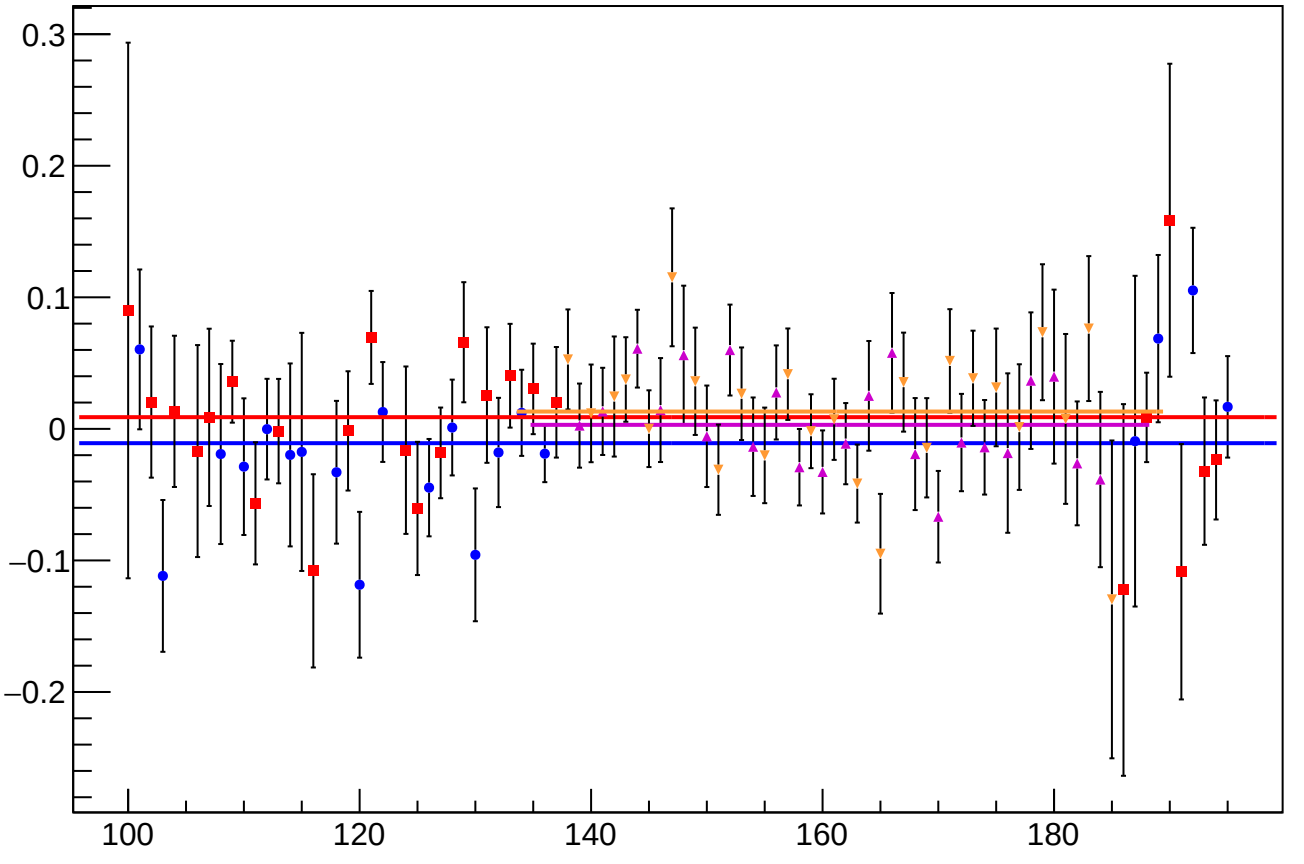
Right Out: 0.000+/-0.000 χ^2/NDF: 4268959.6/24

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: 10431203.3/92

- sign 0.000+/-0.000 χ^2/NDF: 5203084.7/47



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: 0.009+/-0.010 χ^2/NDF: 19.0/24

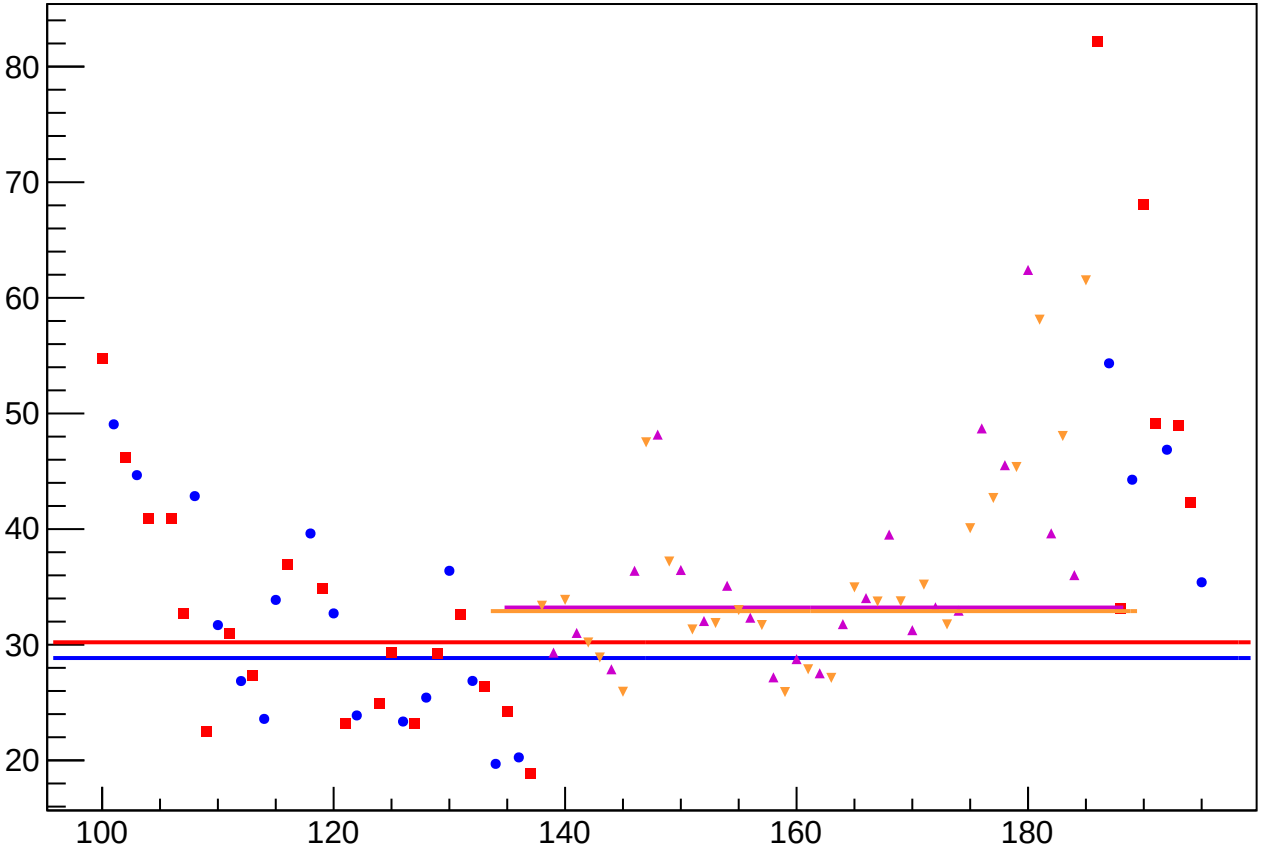
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.005+/-0.004 χ^2/NDF: 89.0/92

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47

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

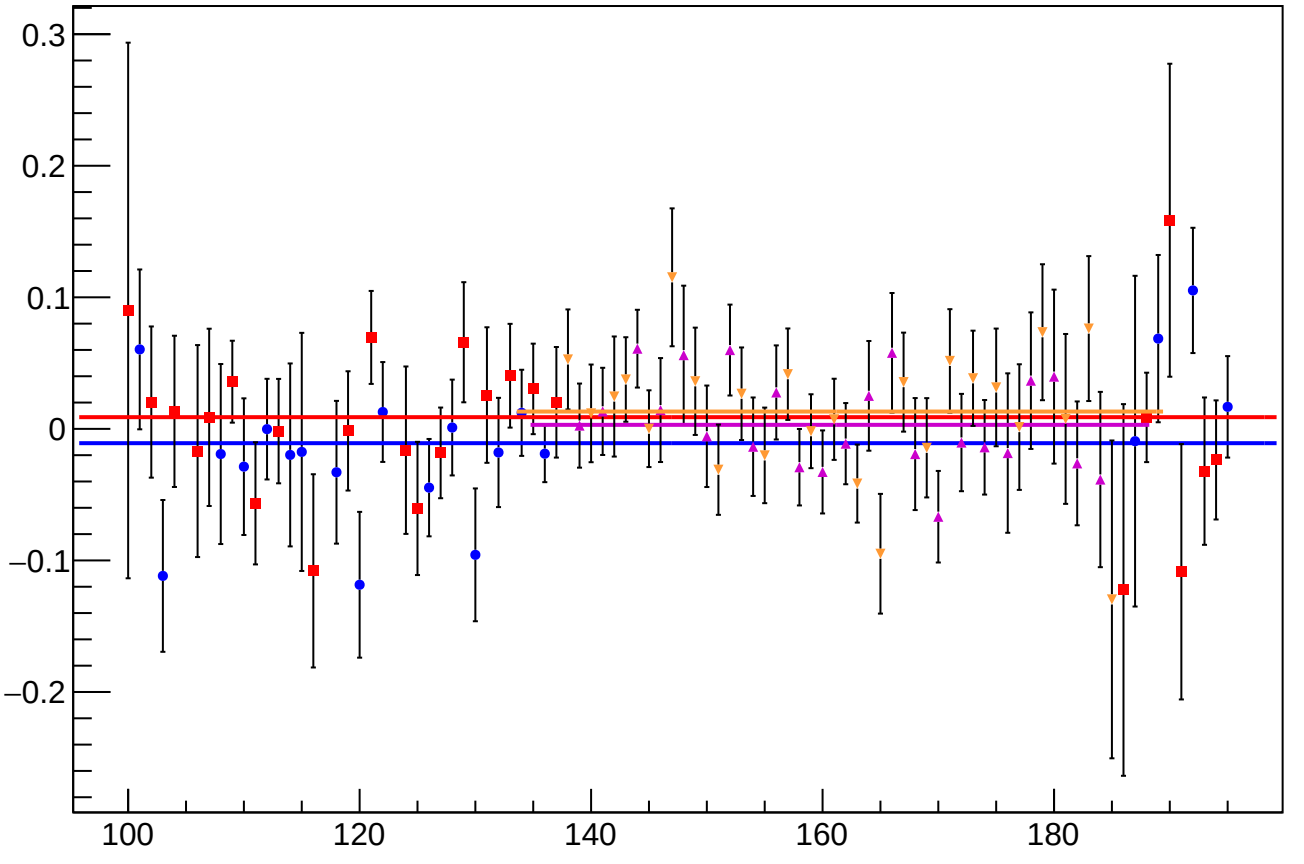
Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.358+/-0.004 χ^2/NDF: 3375542.0/44

All: 31.669+/-0.003 χ^2/NDF: 6521799.7/92

\- sign 31.989+/-0.004 χ^2/NDF: 3135484.3/47



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

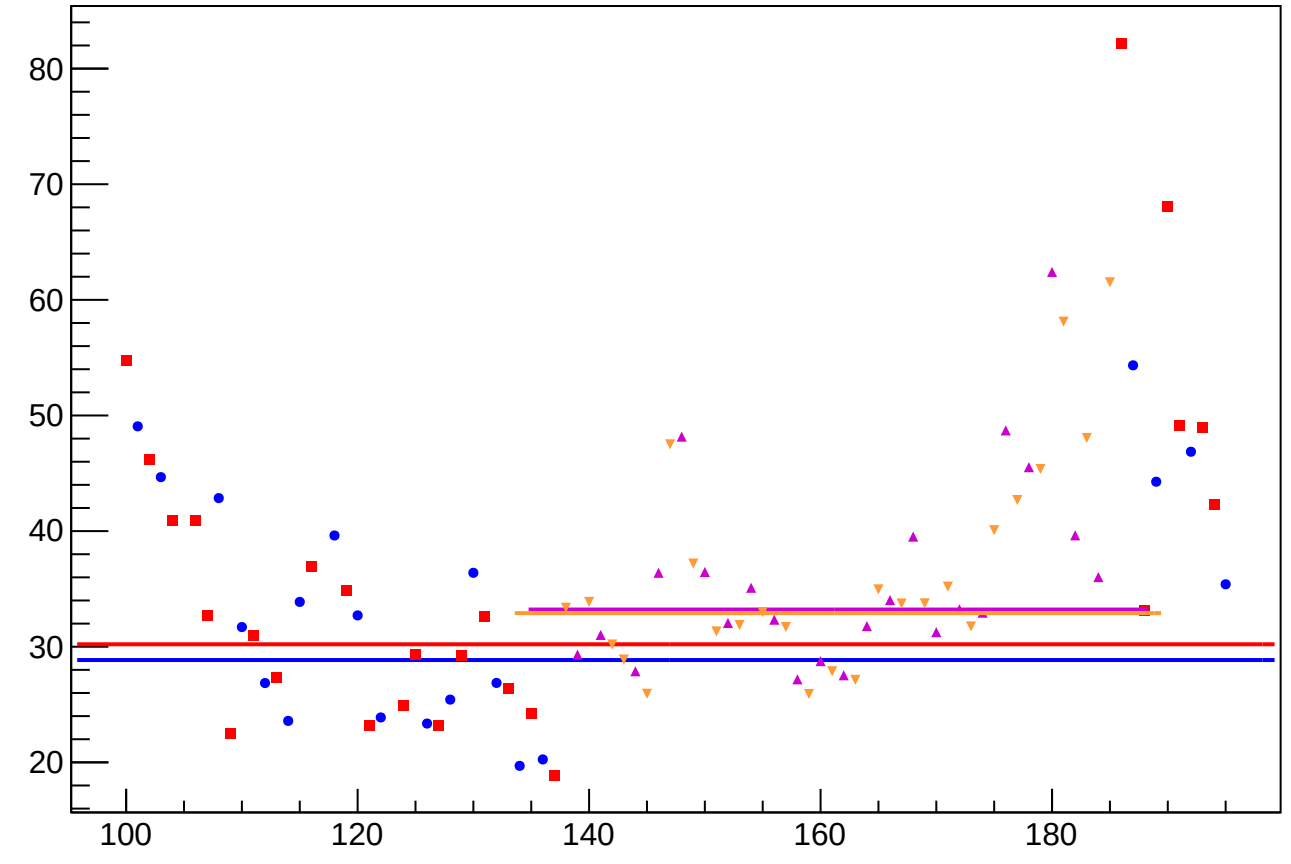
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.005+/-0.004 χ^2/NDF: 89.0/92

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.850+/-0.007 χ^2/NDF: 1734332.7/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

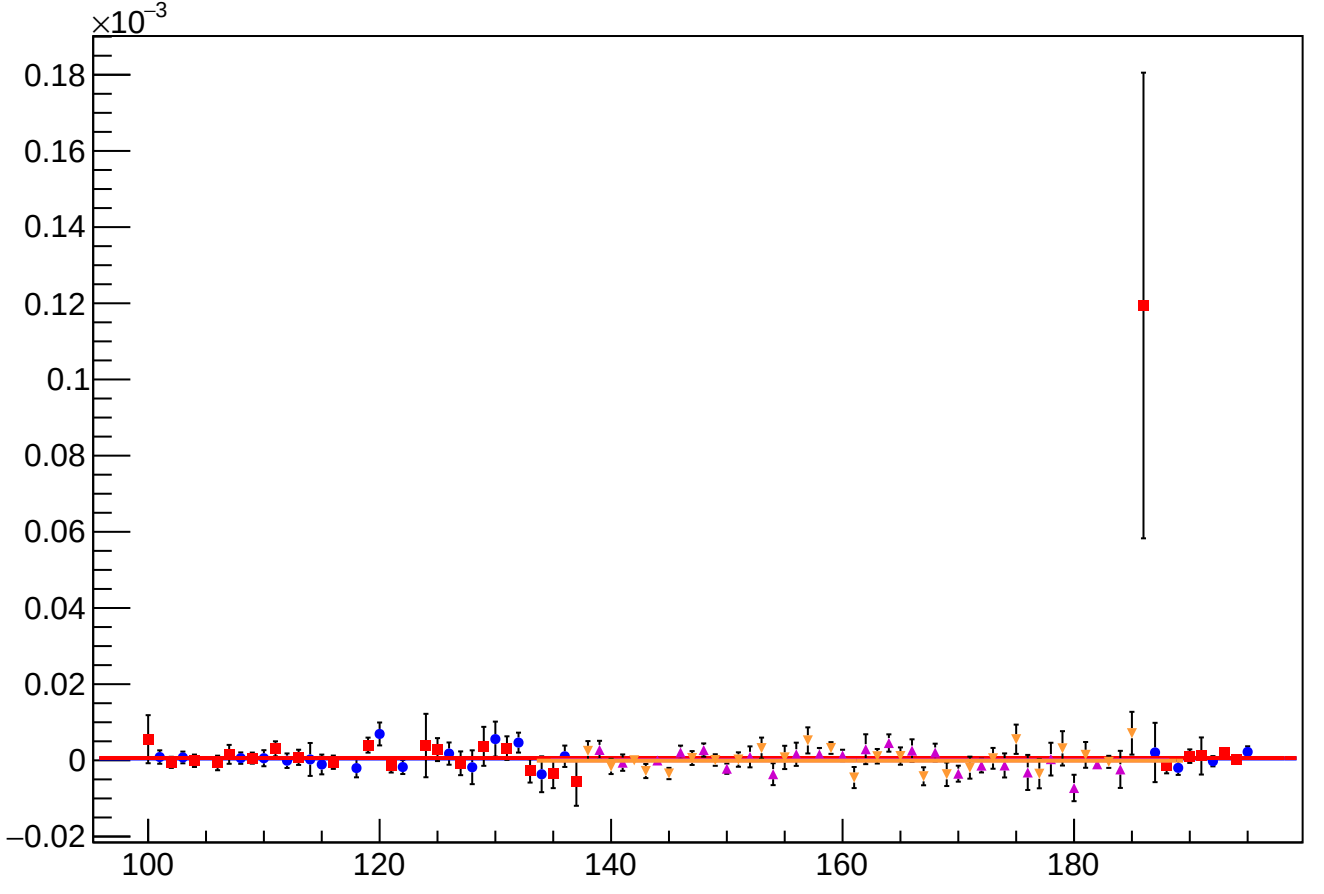
Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.358+/-0.004 χ^2/NDF: 3375542.0/44

All: 31.669+/-0.003 χ^2/NDF: 6521799.7/92

- sign 31.989+/-0.004 χ^2/NDF: 3135484.3/47



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: 19.3/24

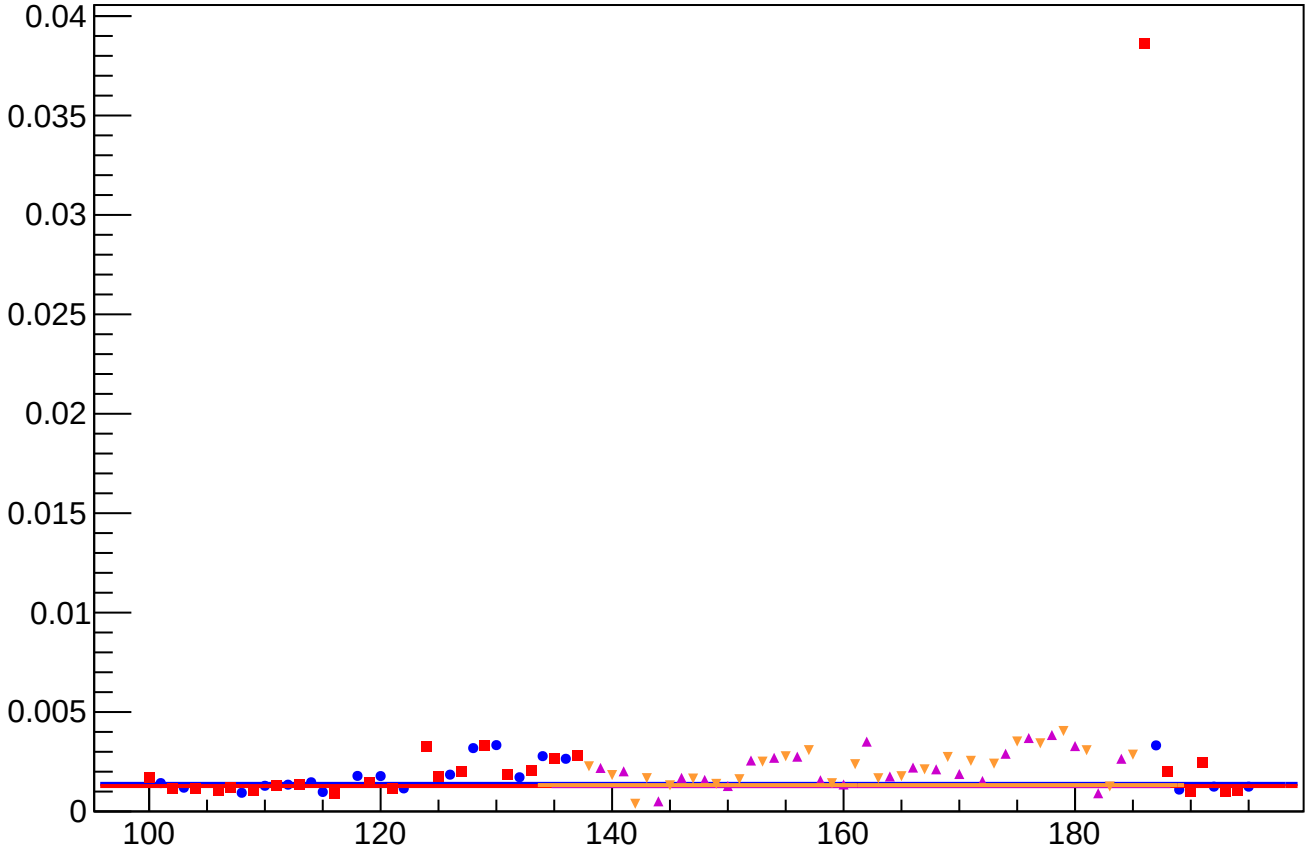
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/44

All: 0.000+/-0.000 χ^2/NDF: 95.8/92

- sign 0.000+/-0.000 χ^2/NDF: 47.5/47

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

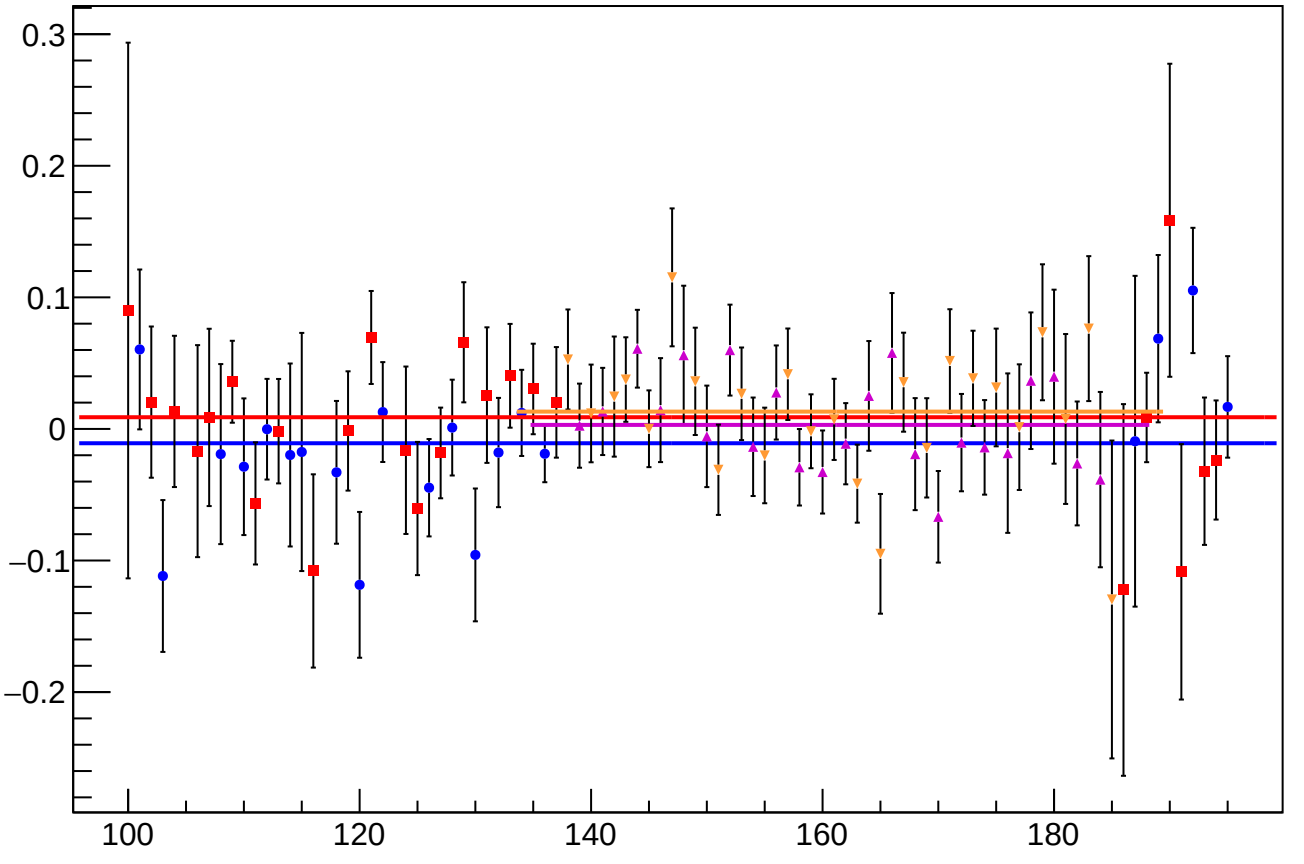
Right Out: 0.001+/-0.000 χ^2/NDF: 2753766.2/24

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: 25828502.0/92

- sign 0.001+/-0.000 χ^2/NDF: 12632254.7/47



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

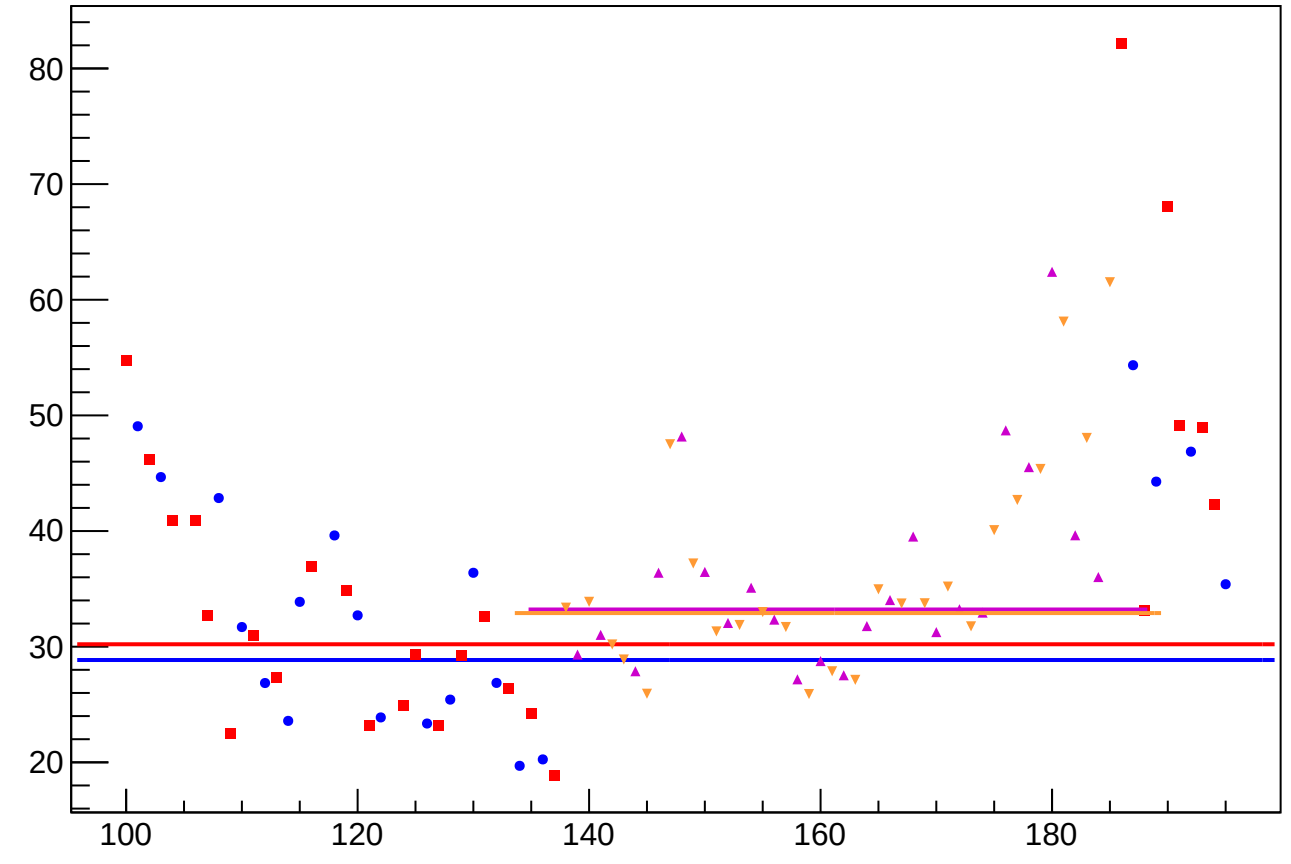
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.005+/-0.004 χ^2/NDF: 89.0/92

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

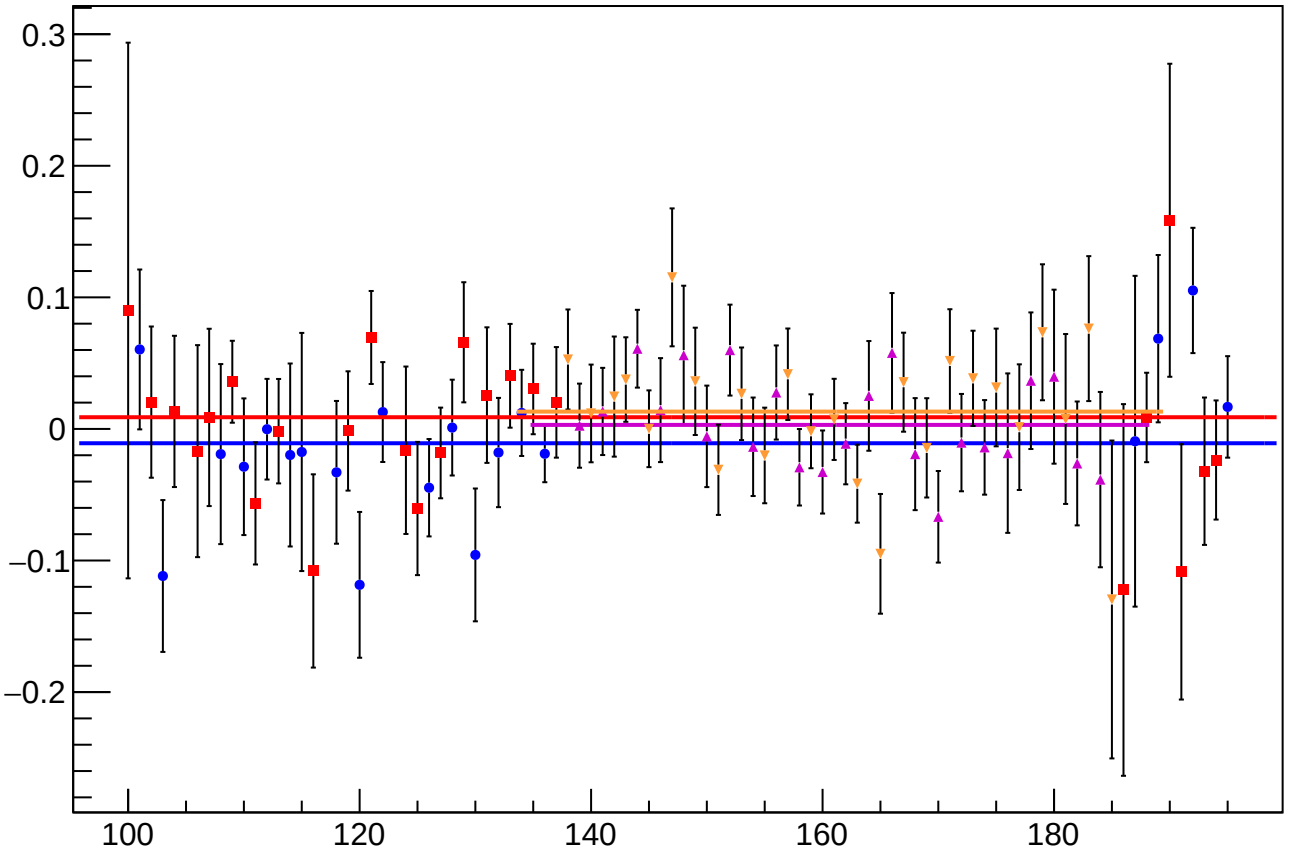
Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.357+/-0.004 χ^2/NDF: 3375815.1/44

All: 31.668+/-0.003 χ^2/NDF: 6522428.8/92

- sign 31.988+/-0.004 χ^2/NDF: 3135844.1/47



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

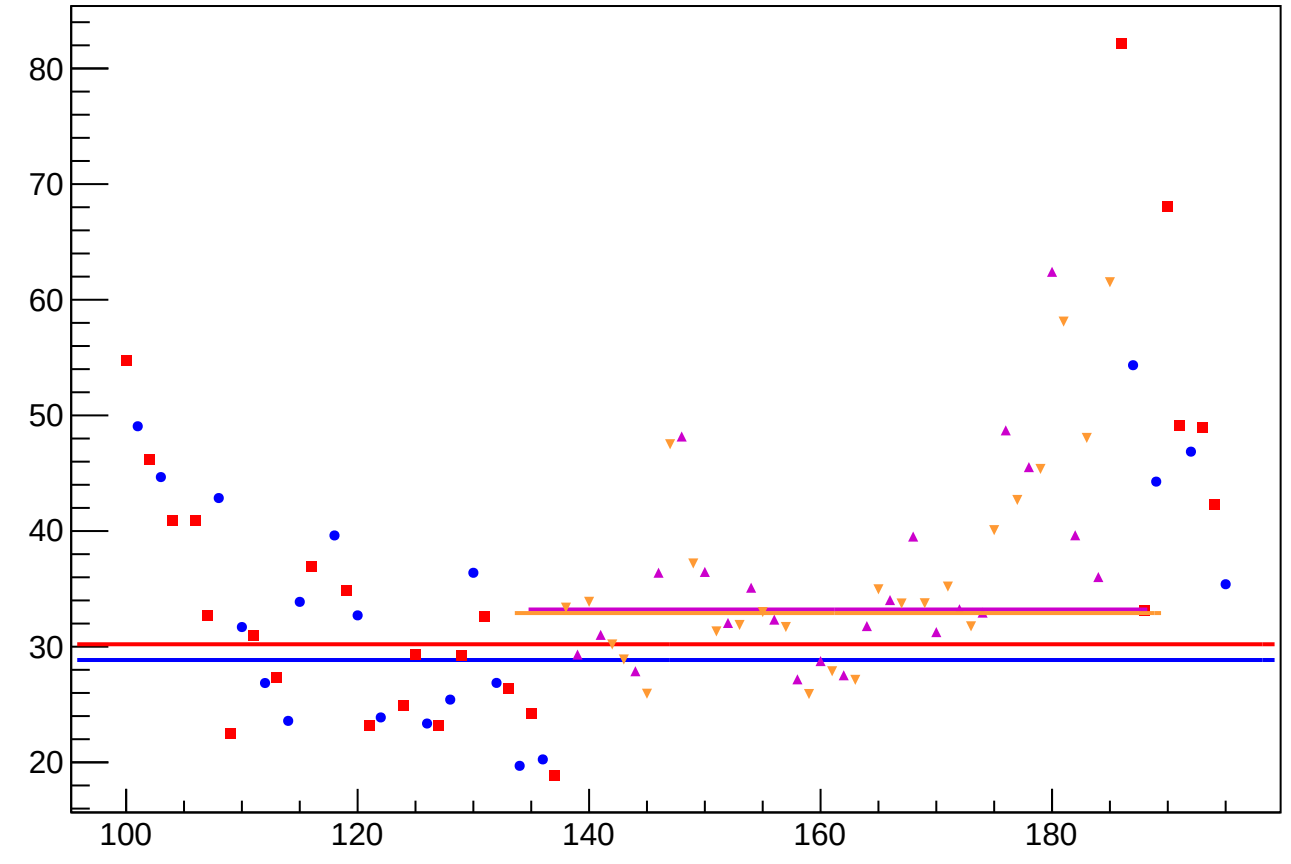
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.6/44

All: 0.005+/-0.004 χ^2/NDF: 89.0/92

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

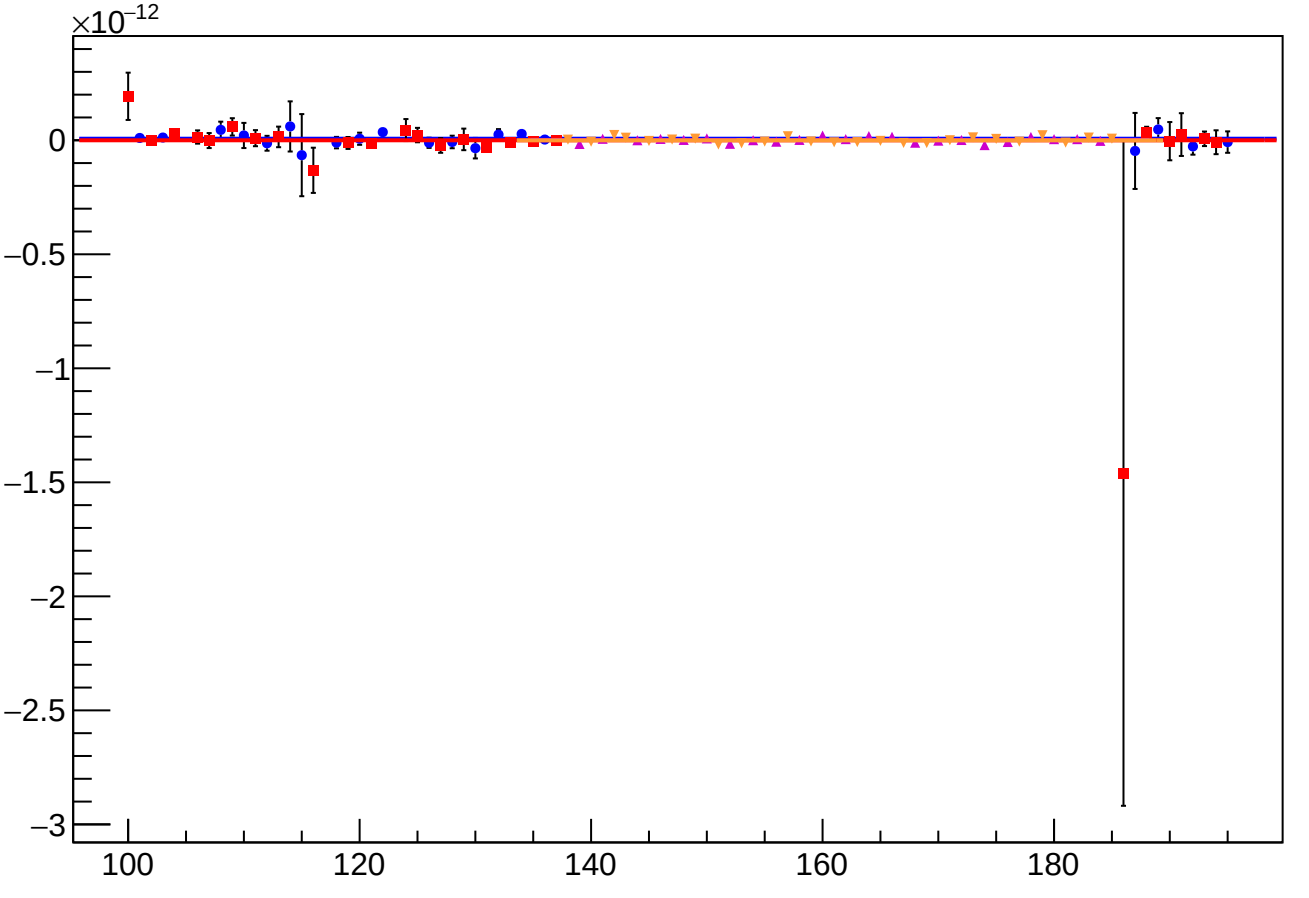
Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.357+/-0.004 χ^2/NDF: 3375815.1/44

All: 31.668+/-0.003 χ^2/NDF: 6522428.8/92

- sign 31.988+/-0.004 χ^2/NDF: 3135844.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

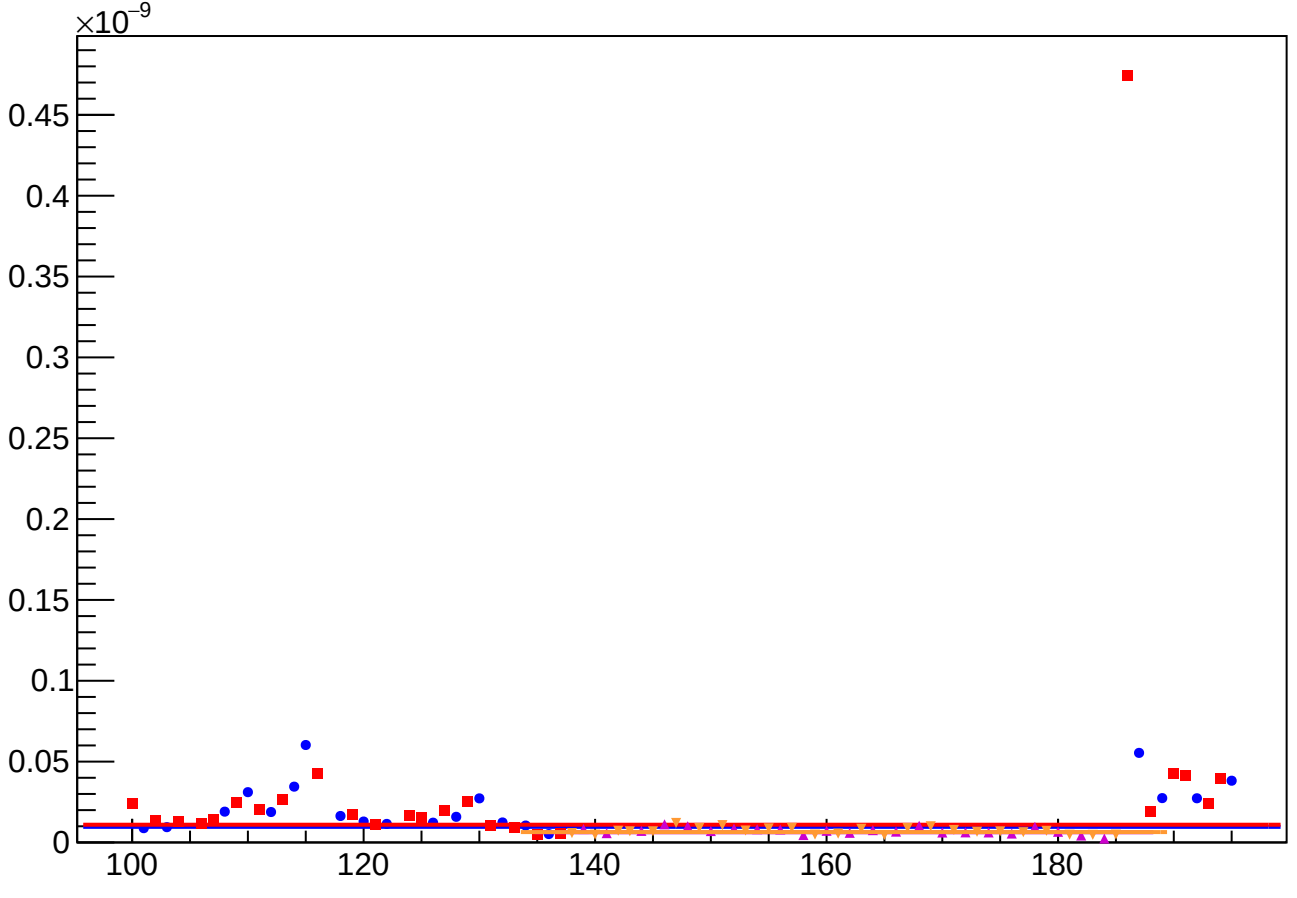
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/24

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: 86.5/92

- sign 0.000+/-0.000 χ^2/NDF: 43.4/47



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: 4579621.0/24

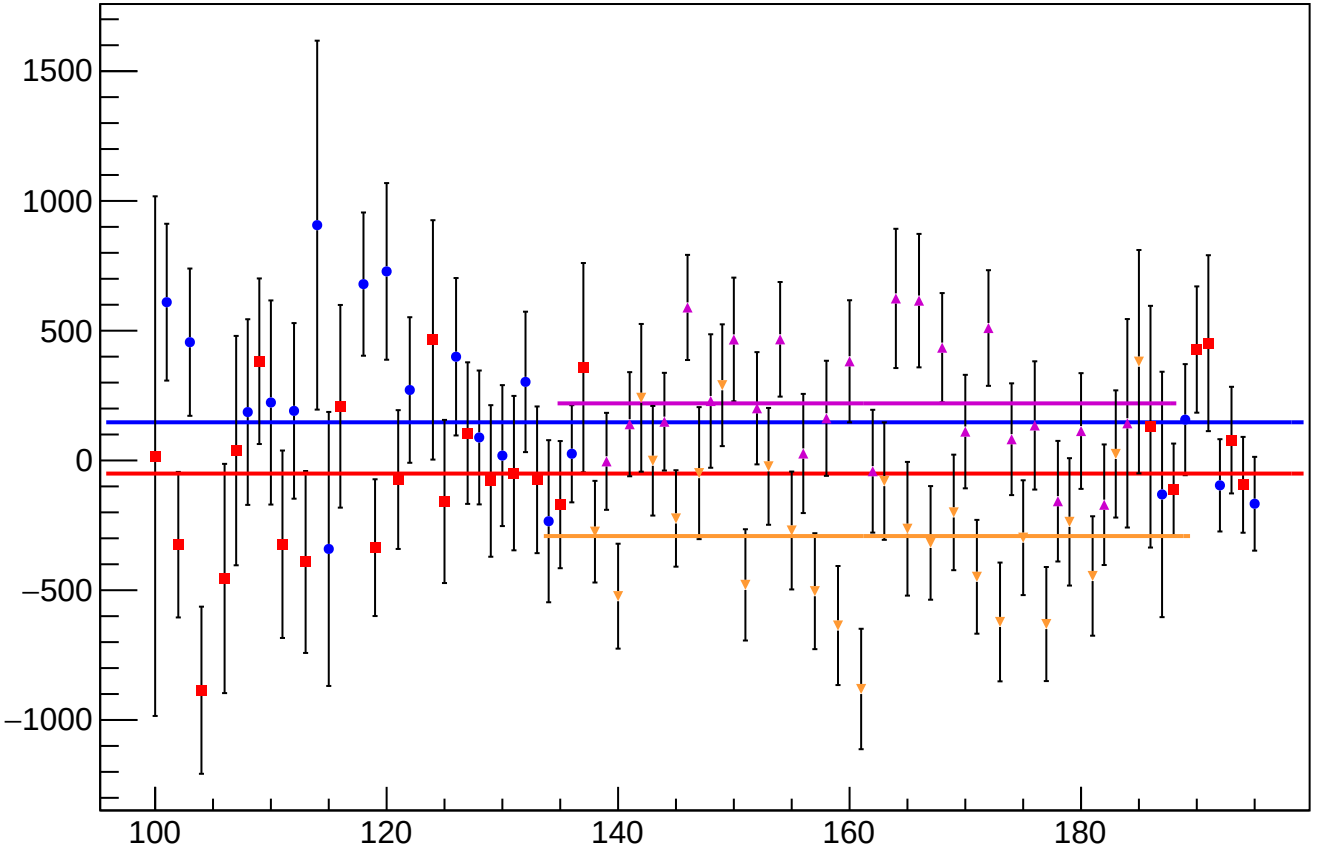
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6843677.9/44

All: 0.000+/-0.000 χ^2/NDF: 15208155.4/92

- sign 0.000+/-0.000 χ^2/NDF: 8363161.6/47

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: -50.525+/-58.133 χ^2/NDF: 23.3/24

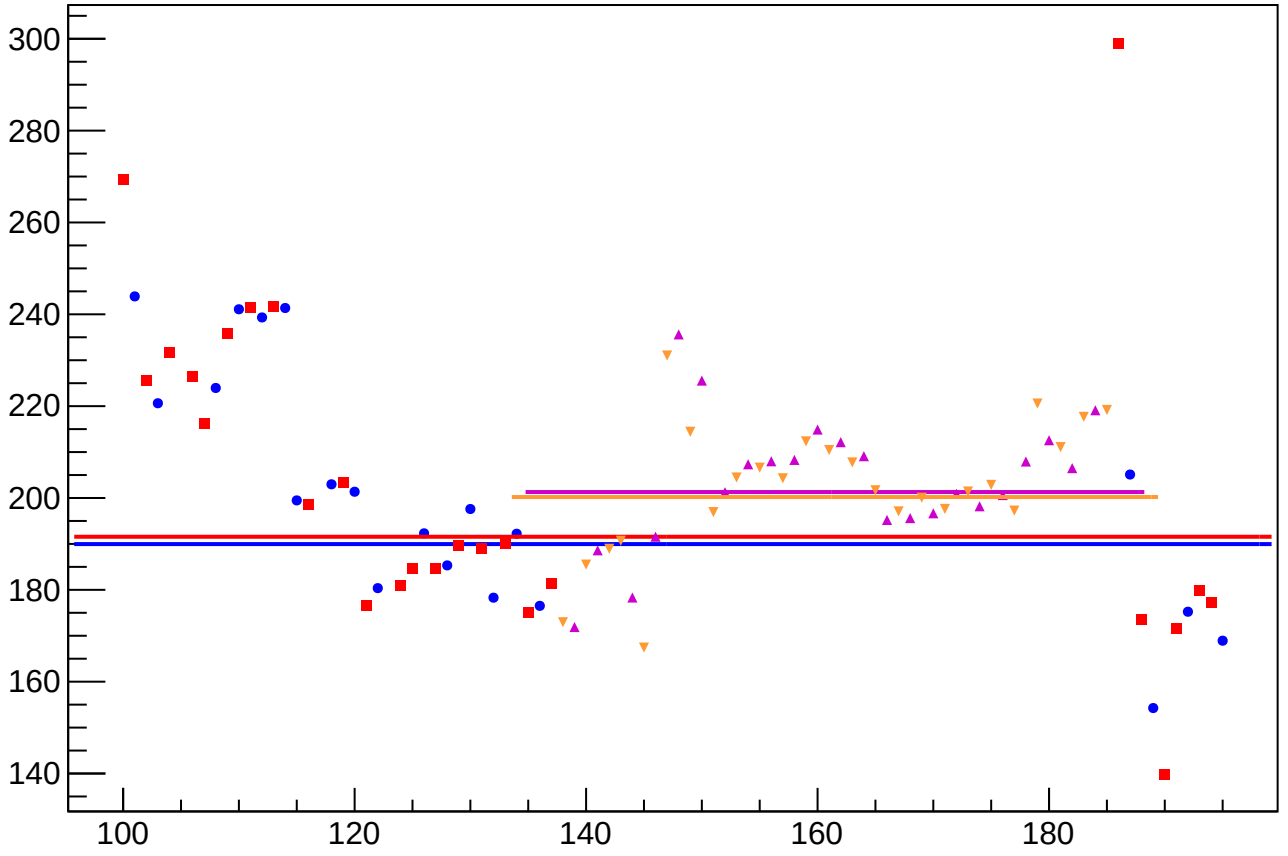
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -134.787+/-36.575 χ^2/NDF: 90.2/44

All: -11.212+/-25.877 χ^2/NDF: 173.1/92

- sign 112.651+/-36.617 χ^2/NDF: 60.1/47

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

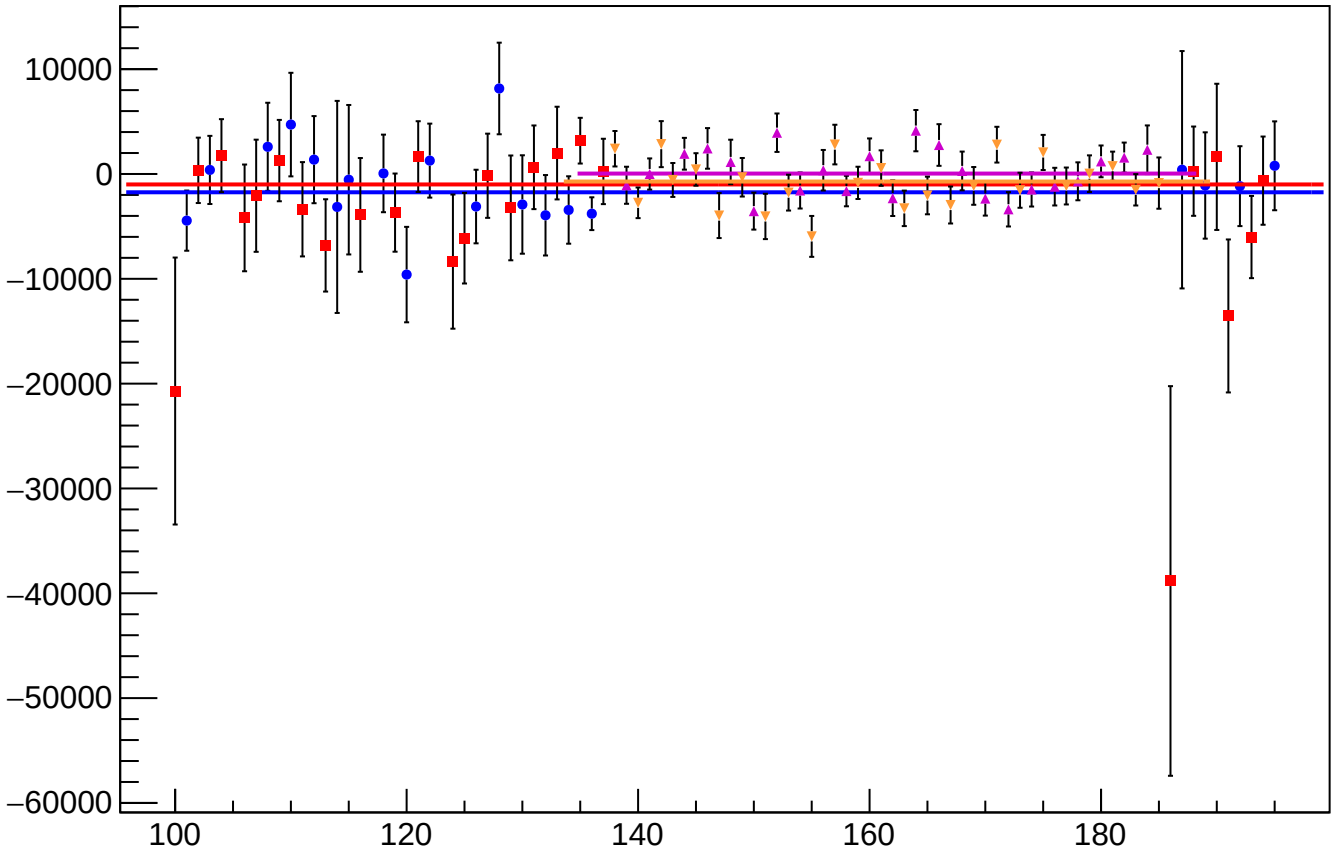
Right Out: 191.559+/-0.041 χ^2/NDF: 476657.3/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 196.551+/-0.026 χ^2/NDF: 557203.5/44

All: 196.992+/-0.018 χ^2/NDF: 1249944.1/92

- sign 197.434+/-0.026 χ^2/NDF: 692158.8/47



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: -998.050+/-829.829 χ^2/NDF: 23.8/24

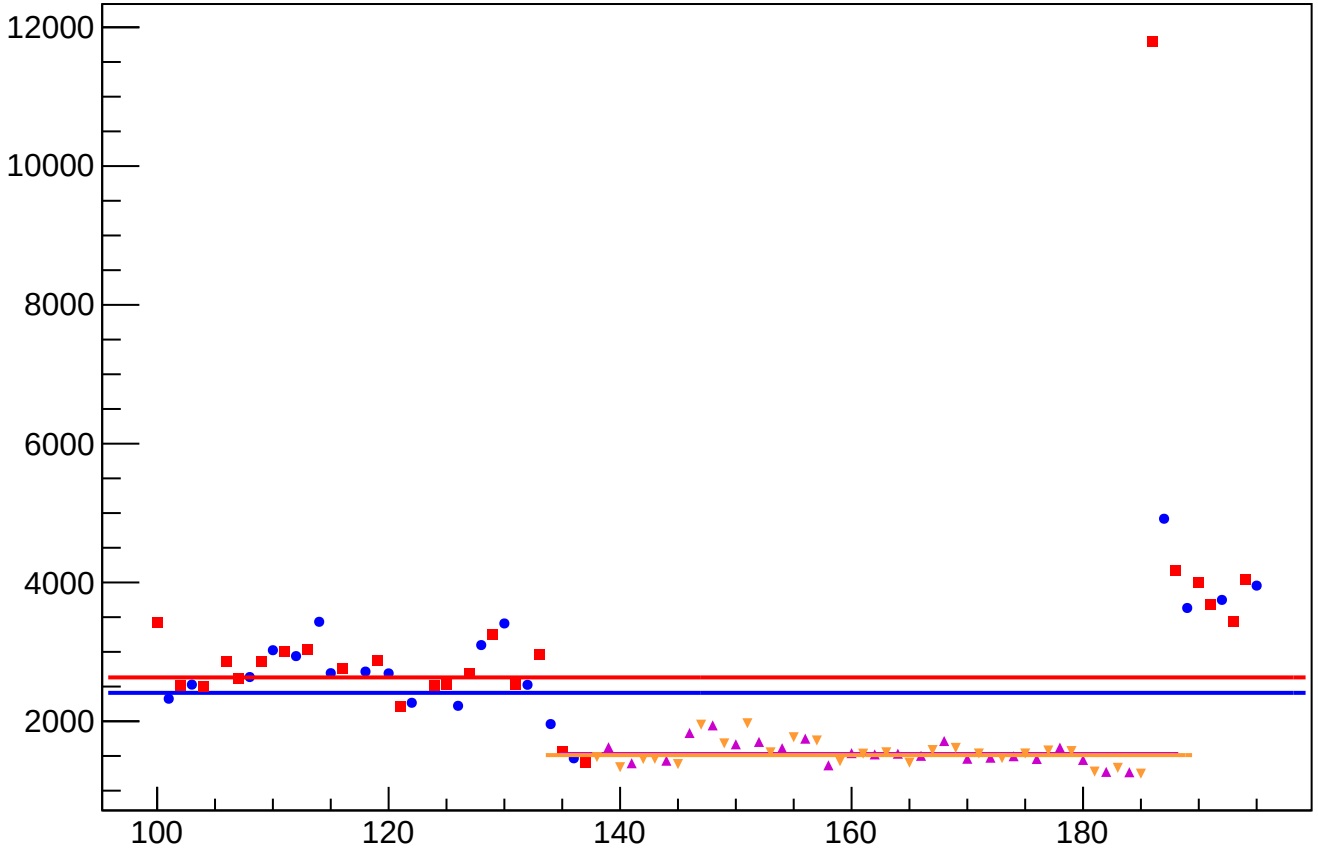
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -879.367+/-318.447 χ^2/NDF: 56.4/44

All: -515.011+/-229.049 χ^2/NDF: 118.6/92

- sign -124.464+/-329.693 χ^2/NDF: 59.6/47

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: 2631.847+/-0.587 χ^2/NDF: 2109161.8/24

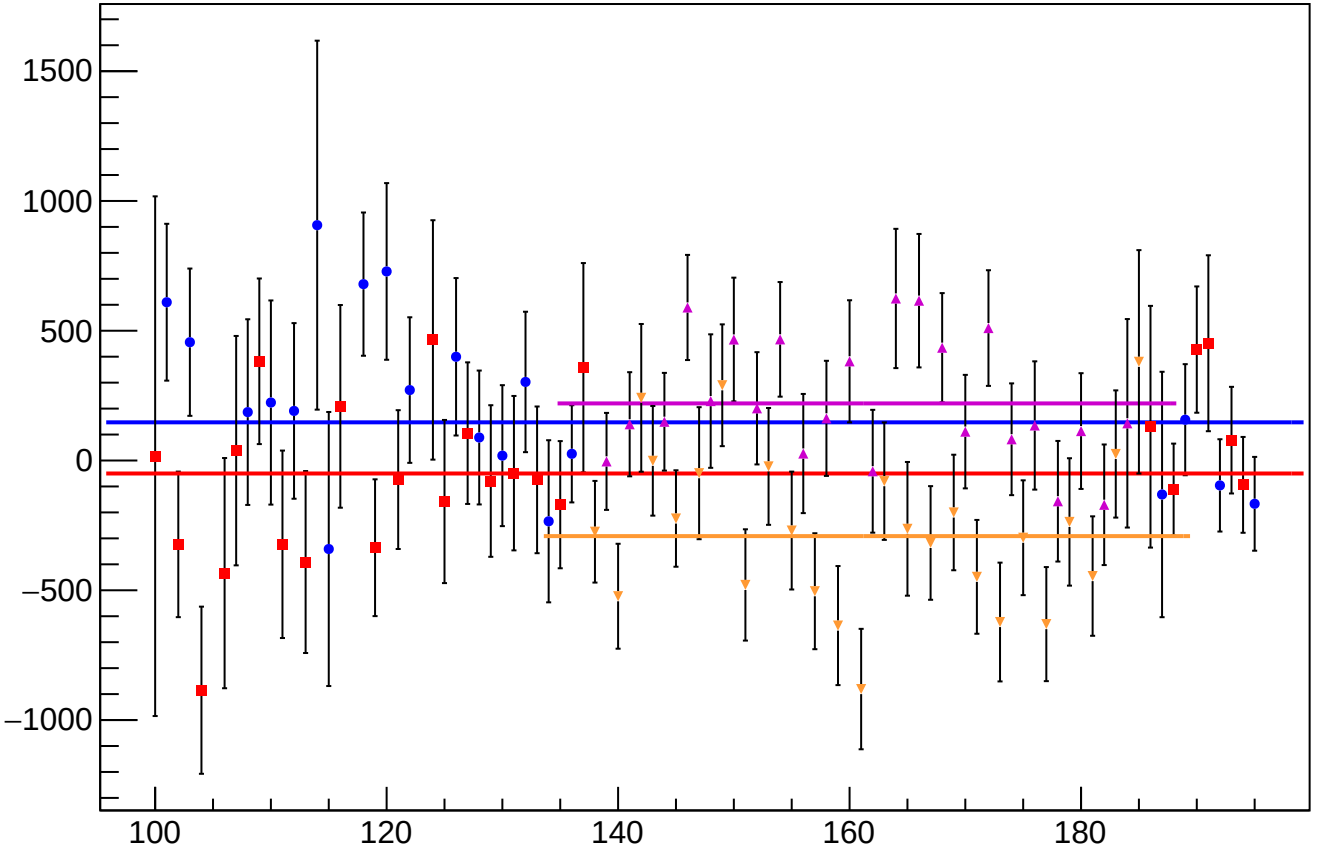
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282663.6/44

All: 1675.824+/-0.162 χ^2/NDF: 9770932.3/92

- sign 1702.211+/-0.233 χ^2/NDF: 5463505.2/47

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: -50.031+/-58.138 χ^2/NDF: 23.2/24

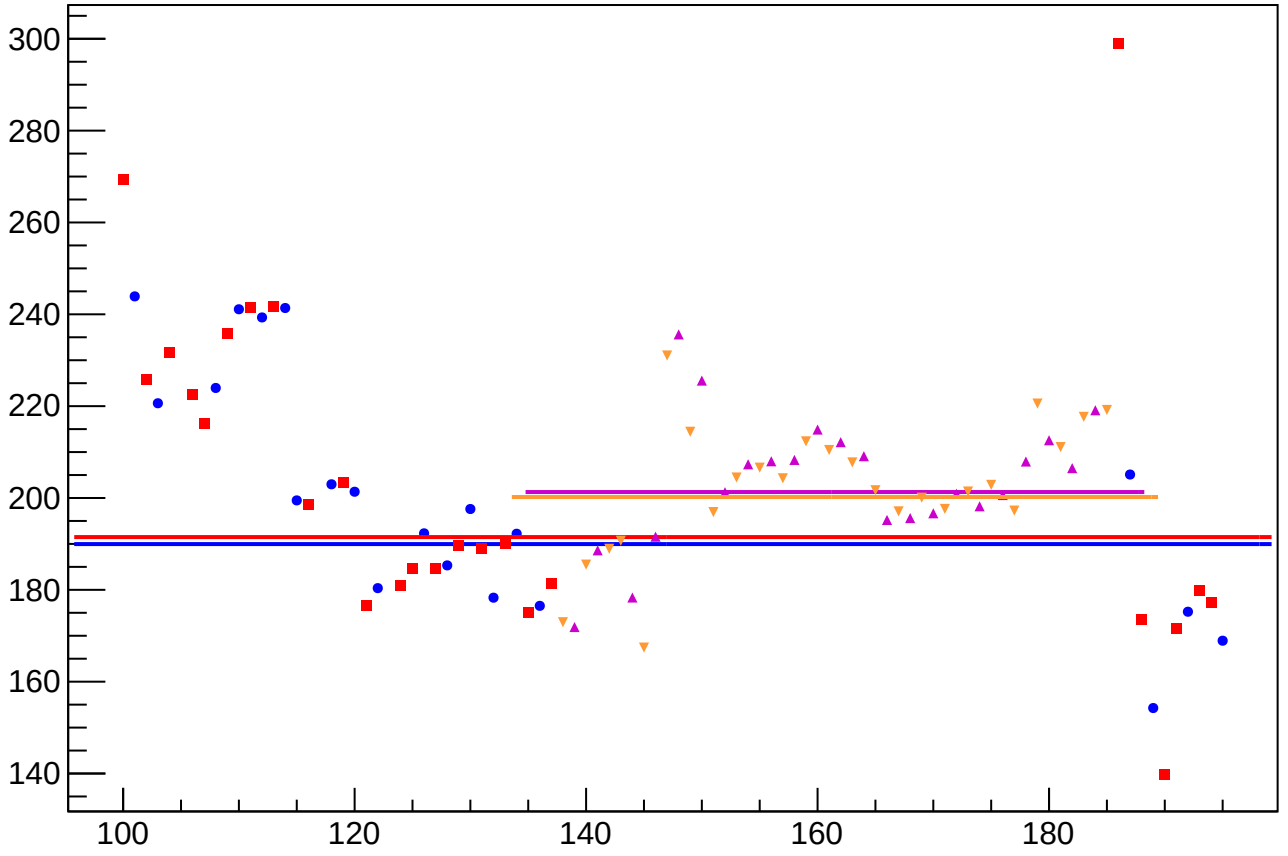
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.788+/-36.575 χ^2/NDF: 90.2/44

All: -11.111+/-25.878 χ^2/NDF: 173.0/92

- sign 112.862+/-36.619 χ^2/NDF: 59.9/47

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

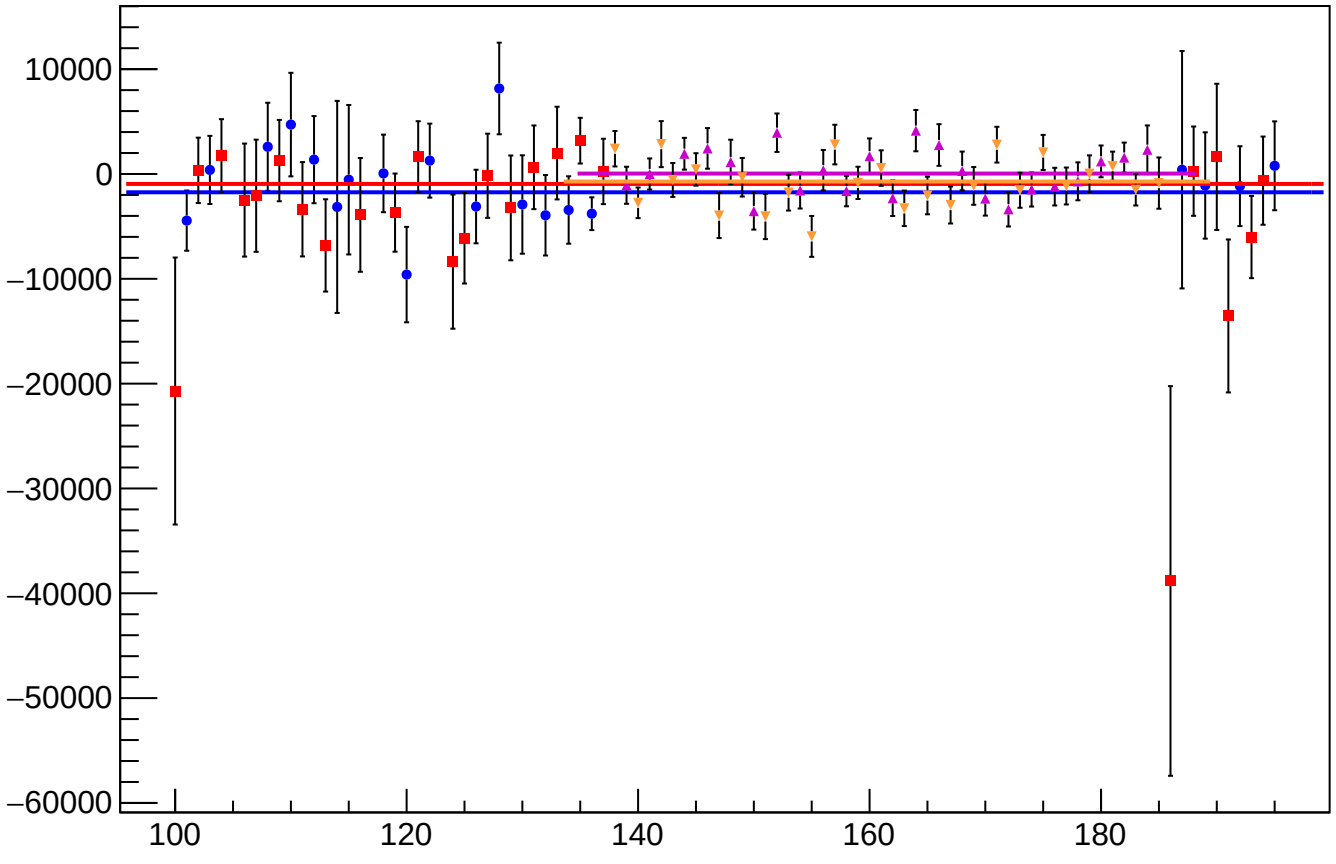
Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 196.551+/-0.026 χ^2/NDF: 557203.9/44

All: 196.978+/-0.018 χ^2/NDF: 1247753.9/92

- sign 197.406+/-0.026 χ^2/NDF: 690004.1/47



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: -948.663+/-831.051 χ^2/NDF: 23.5/24

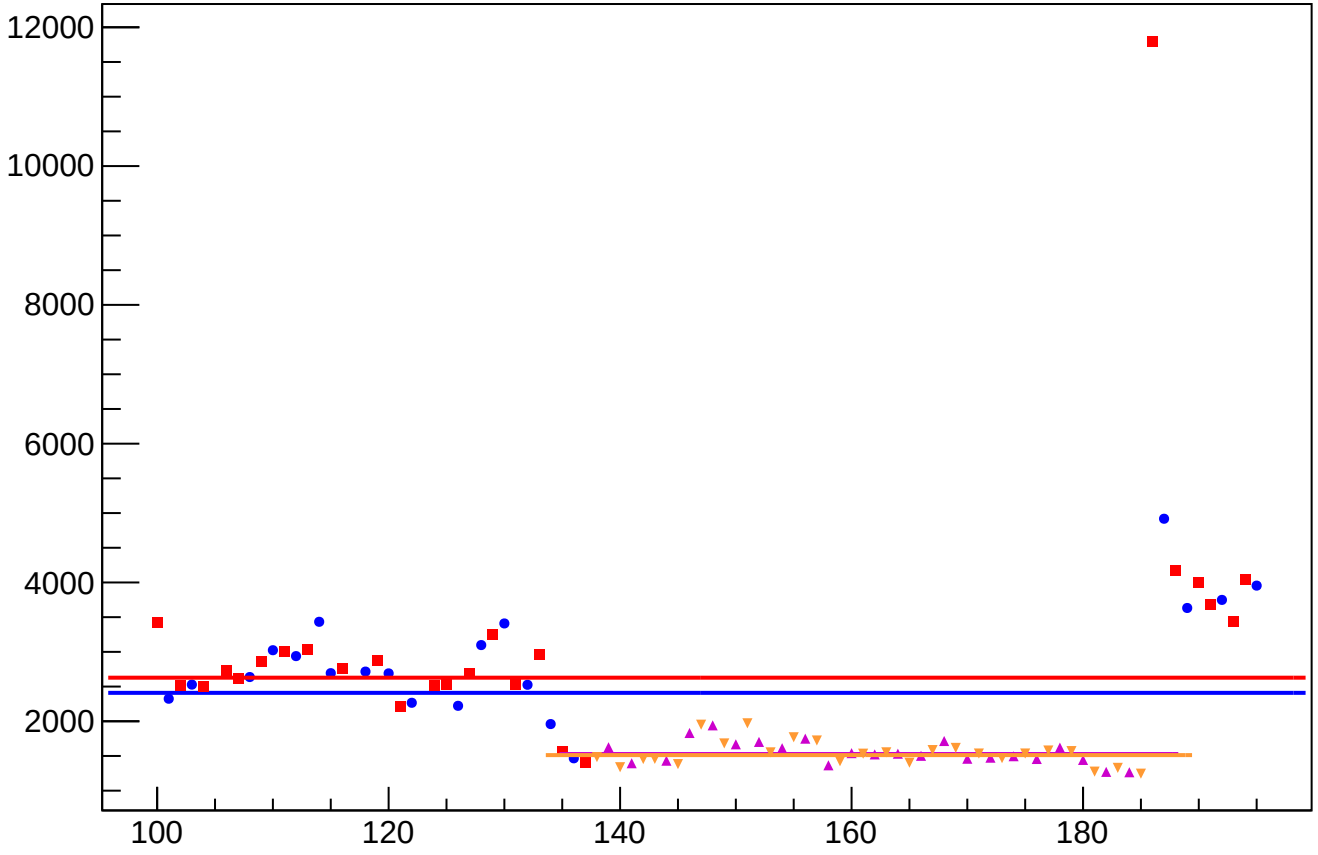
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.365+/-318.447 χ^2/NDF: 56.4/44

All: -511.150+/-229.074 χ^2/NDF: 118.2/92

- sign -116.284+/-329.770 χ^2/NDF: 59.1/47

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: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

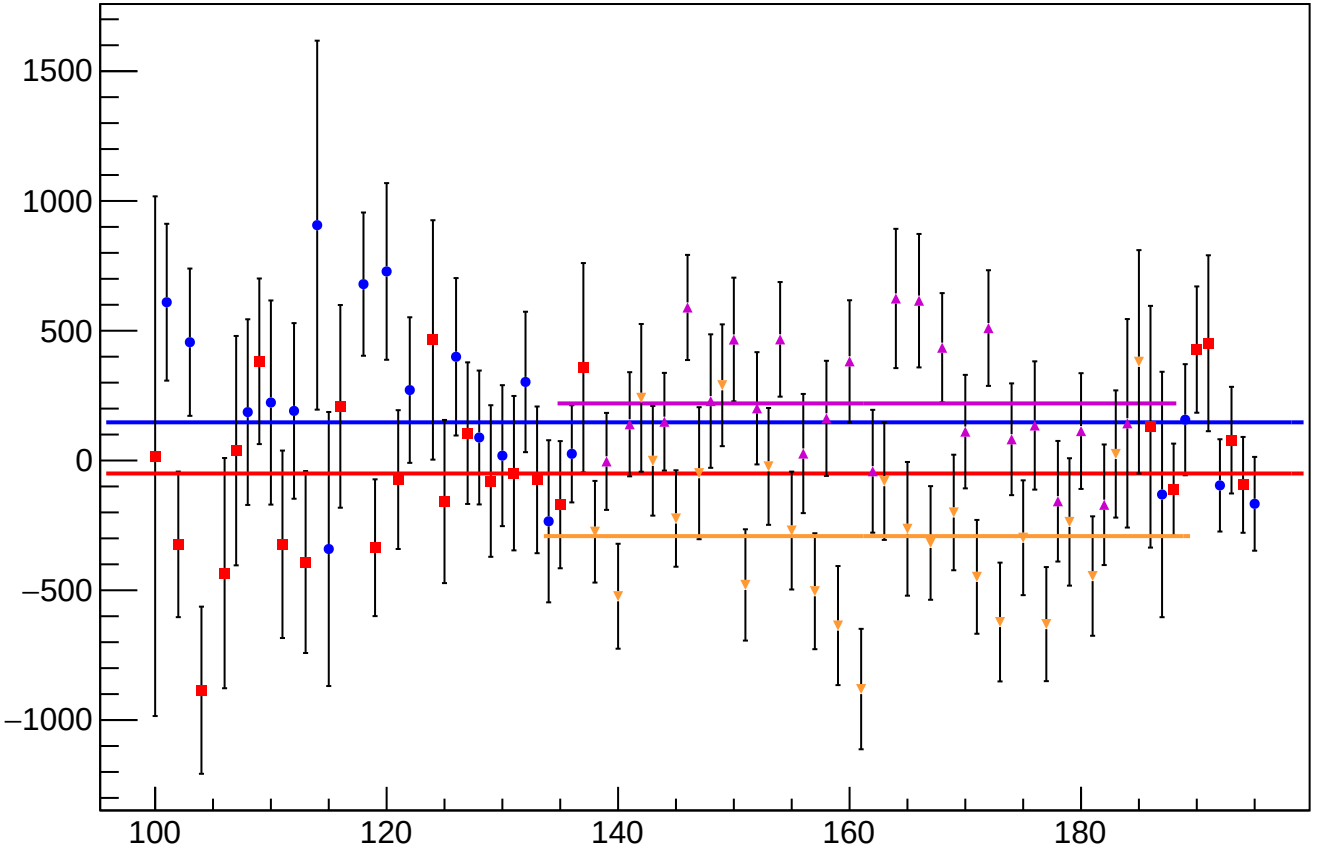
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282676.5/44

All: 1675.318+/-0.162 χ^2/NDF: 9738197.7/92

- sign 1701.174+/-0.233 χ^2/NDF: 5431760.3/47

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: -50.031+/-58.138 χ^2/NDF: 23.2/24

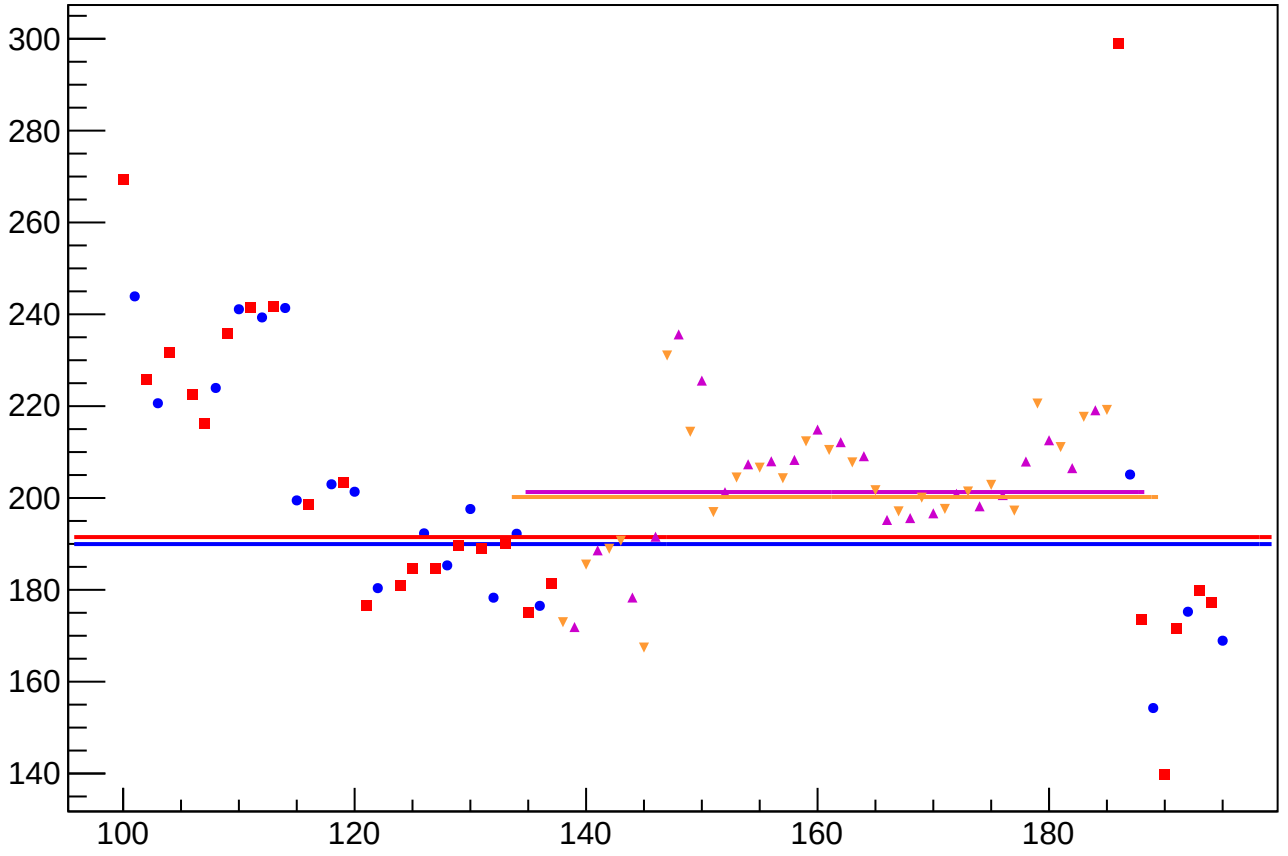
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.788+/-36.575 χ^2/NDF: 90.2/44

All: -11.111+/-25.878 χ^2/NDF: 173.0/92

- sign 112.862+/-36.619 χ^2/NDF: 59.9/47

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

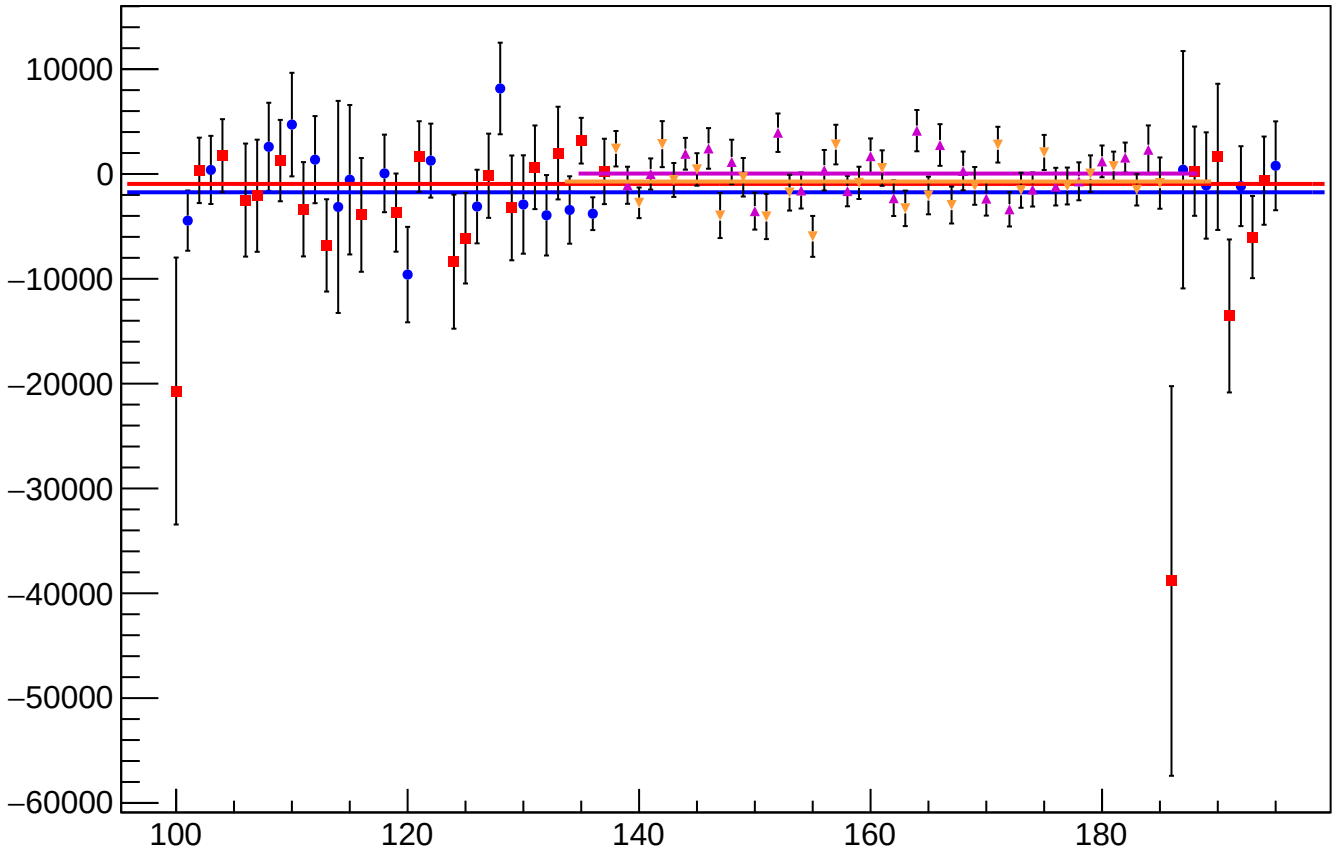
Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 196.551+/-0.026 χ^2/NDF: 557203.9/44

All: 196.978+/-0.018 χ^2/NDF: 1247753.9/92

- sign 197.406+/-0.026 χ^2/NDF: 690004.1/47



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: -948.663+/-831.051 χ^2/NDF: 23.5/24

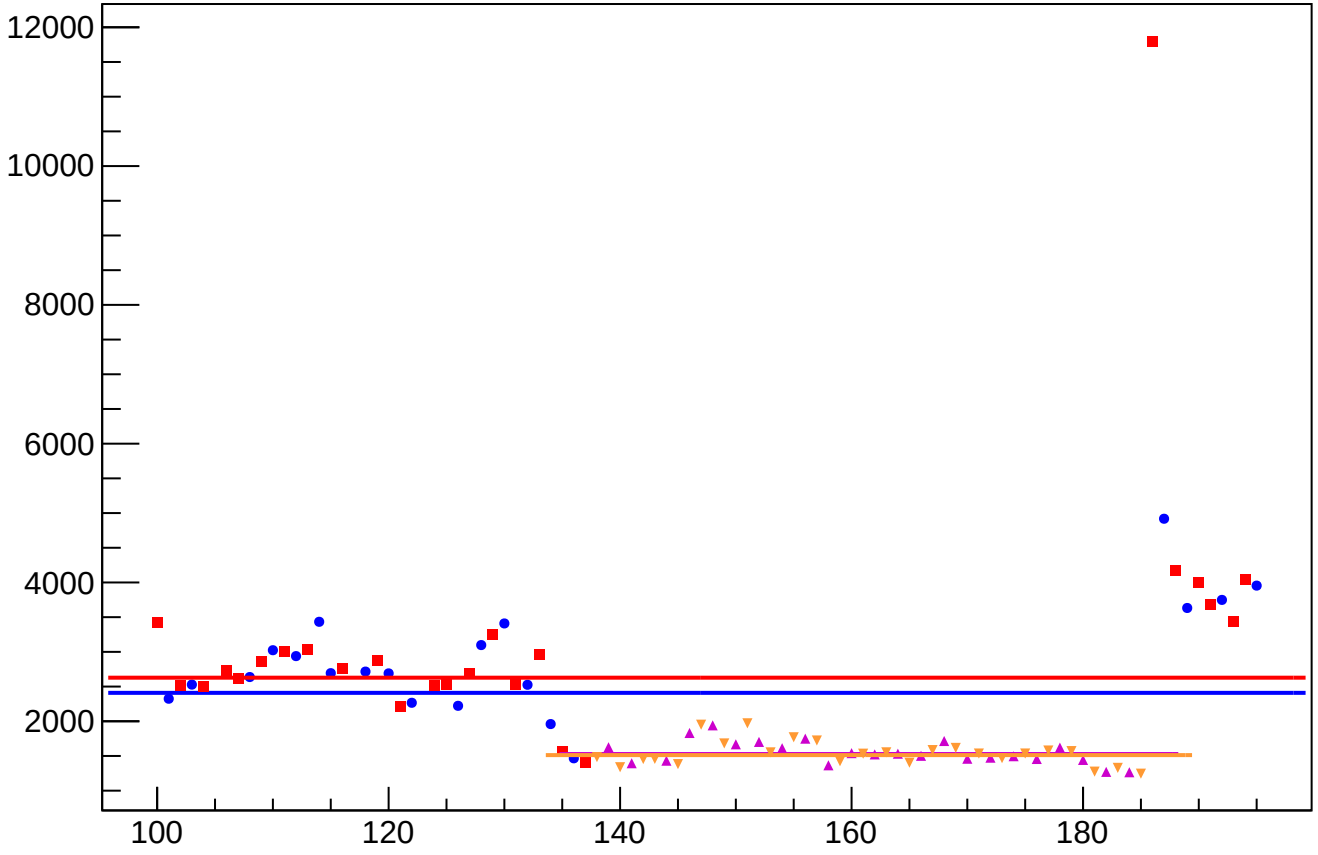
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -879.365+/-318.447 χ^2/NDF: 56.4/44

All: -511.150+/-229.074 χ^2/NDF: 118.2/92

- sign -116.284+/-329.770 χ^2/NDF: 59.1/47

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: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

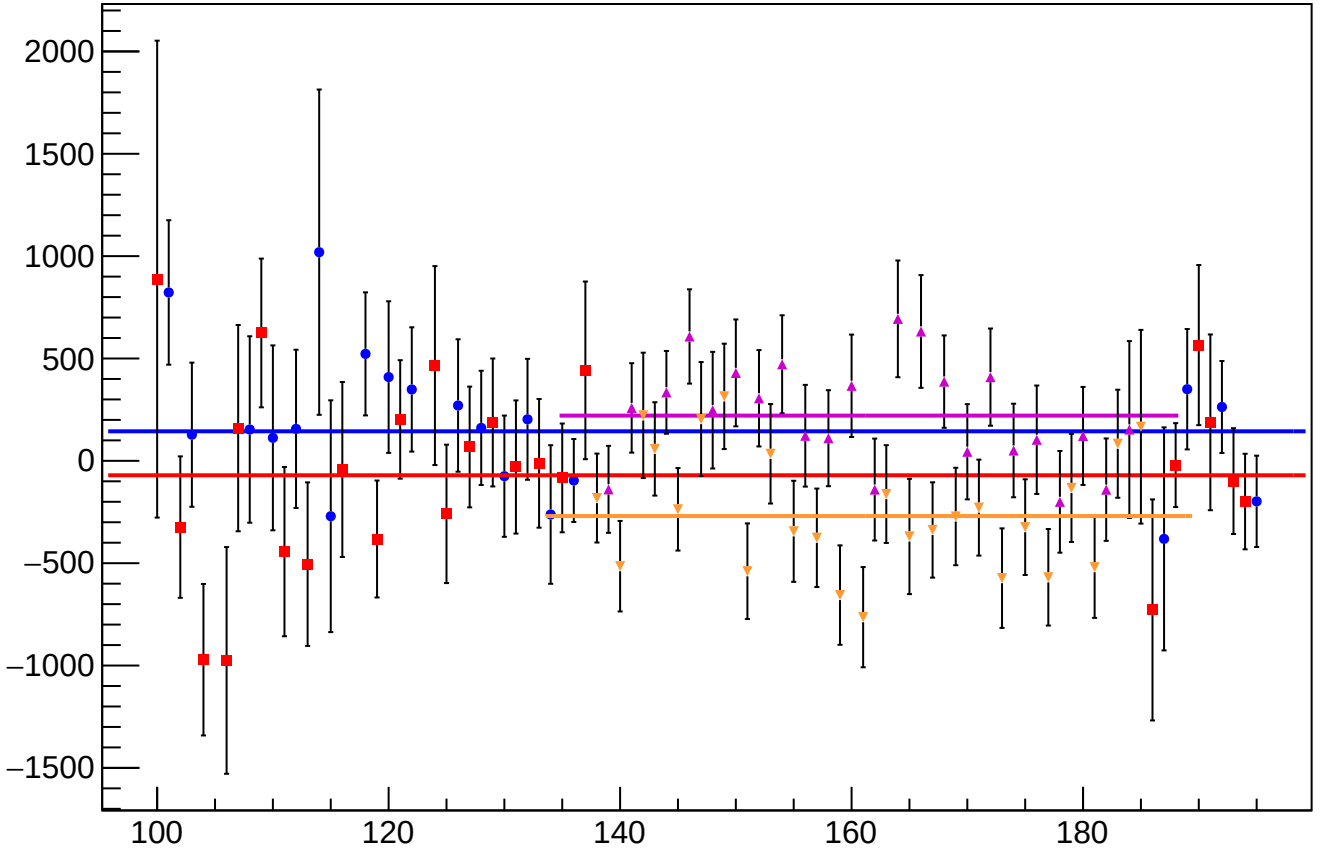
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1651.207+/-0.225 χ^2/NDF: 4282676.5/44

All: 1675.318+/-0.162 χ^2/NDF: 9738197.7/92

- sign 1701.174+/-0.233 χ^2/NDF: 5431760.3/47

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: -70.534+/-67.527 χ^2/NDF: 26.5/24

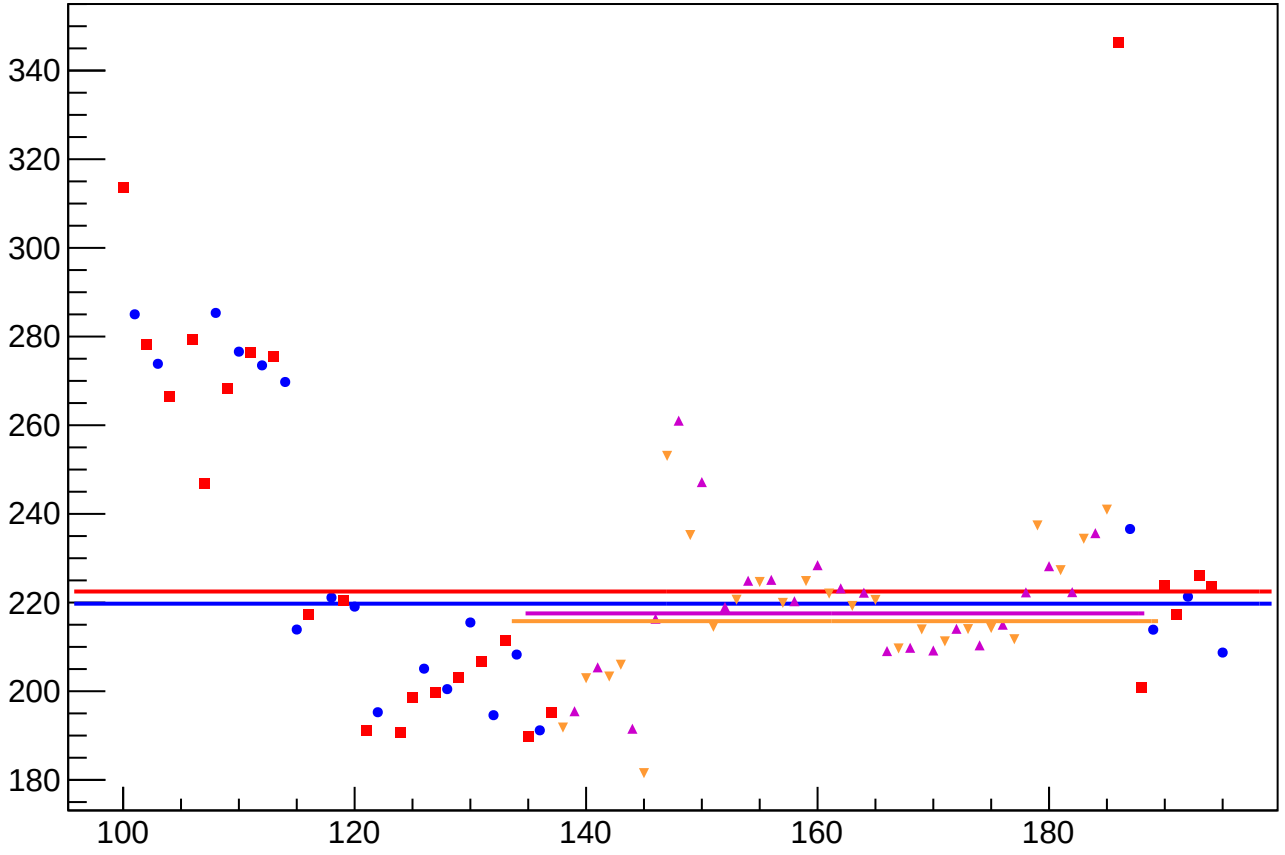
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -134.995+/-40.376 χ^2/NDF: 70.2/44

All: -10.831+/-28.655 χ^2/NDF: 151.0/92

- sign 115.178+/-40.674 χ^2/NDF: 61.7/47

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: 222.493+/-0.048 χ^2/NDF: 455257.9/24

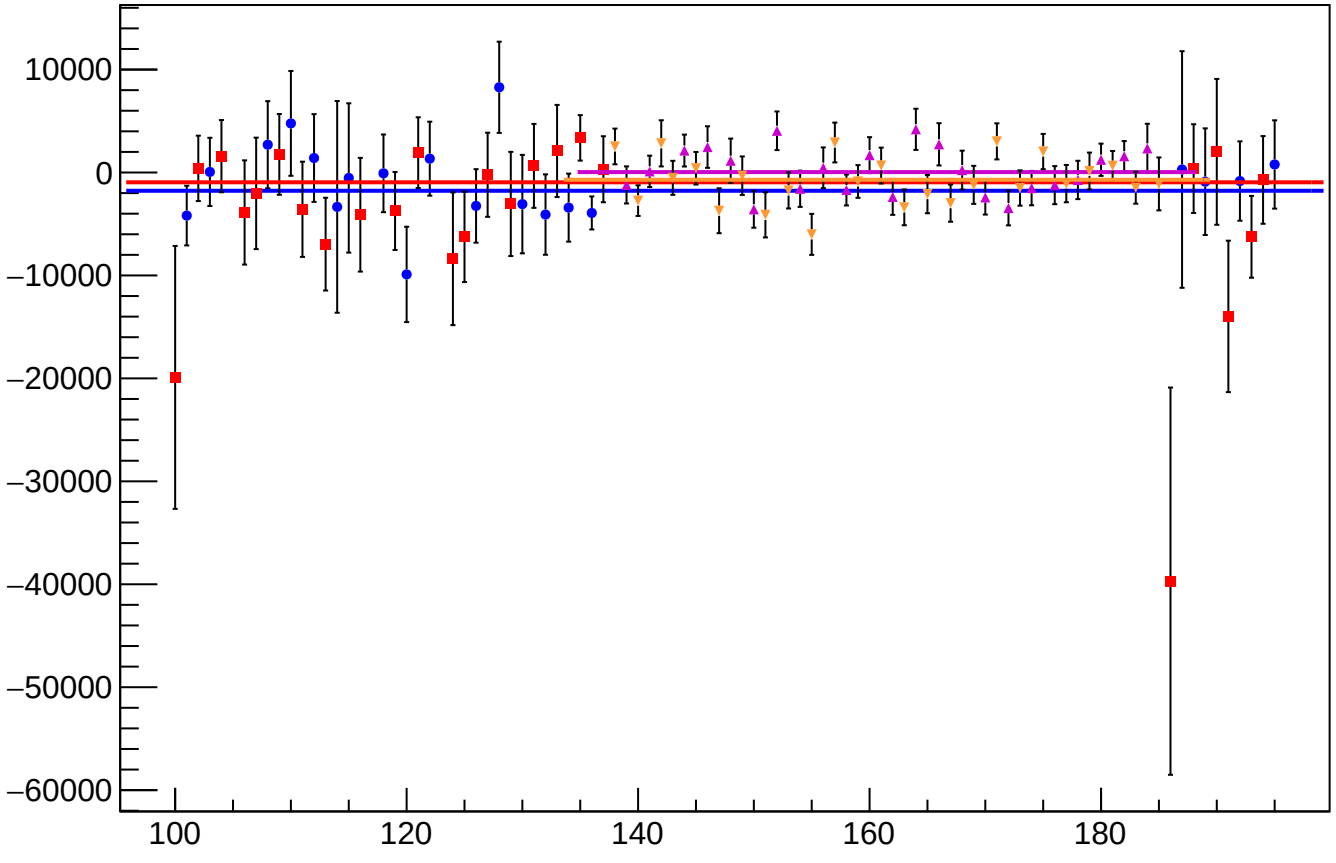
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.089+/-0.029 χ^2/NDF: 519834.8/44

All: 218.209+/-0.020 χ^2/NDF: 1146079.1/92

- sign 219.347+/-0.029 χ^2/NDF: 623140.7/47

asym_sam_26_dd_dit_correction_mean vs Slug



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: -950.884+/-842.583 χ^2/NDF: 24.4/24

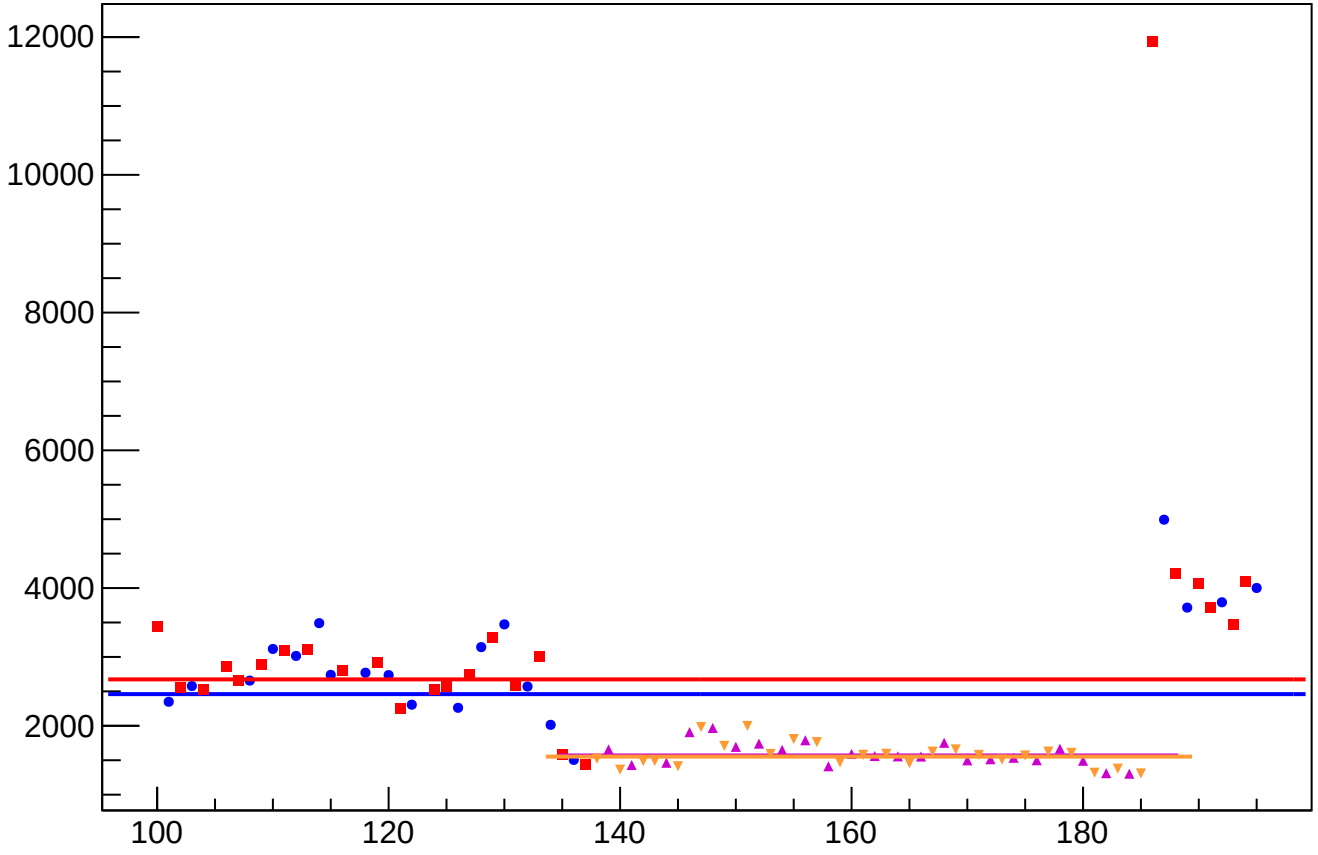
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -871.485+/-326.476 χ^2/NDF: 55.7/44

All: -508.506+/-234.792 χ^2/NDF: 118.2/92

- sign -119.655+/-337.910 χ^2/NDF: 59.9/47

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: 2674.072+/-0.596 χ^2/NDF: 2089675.9/24

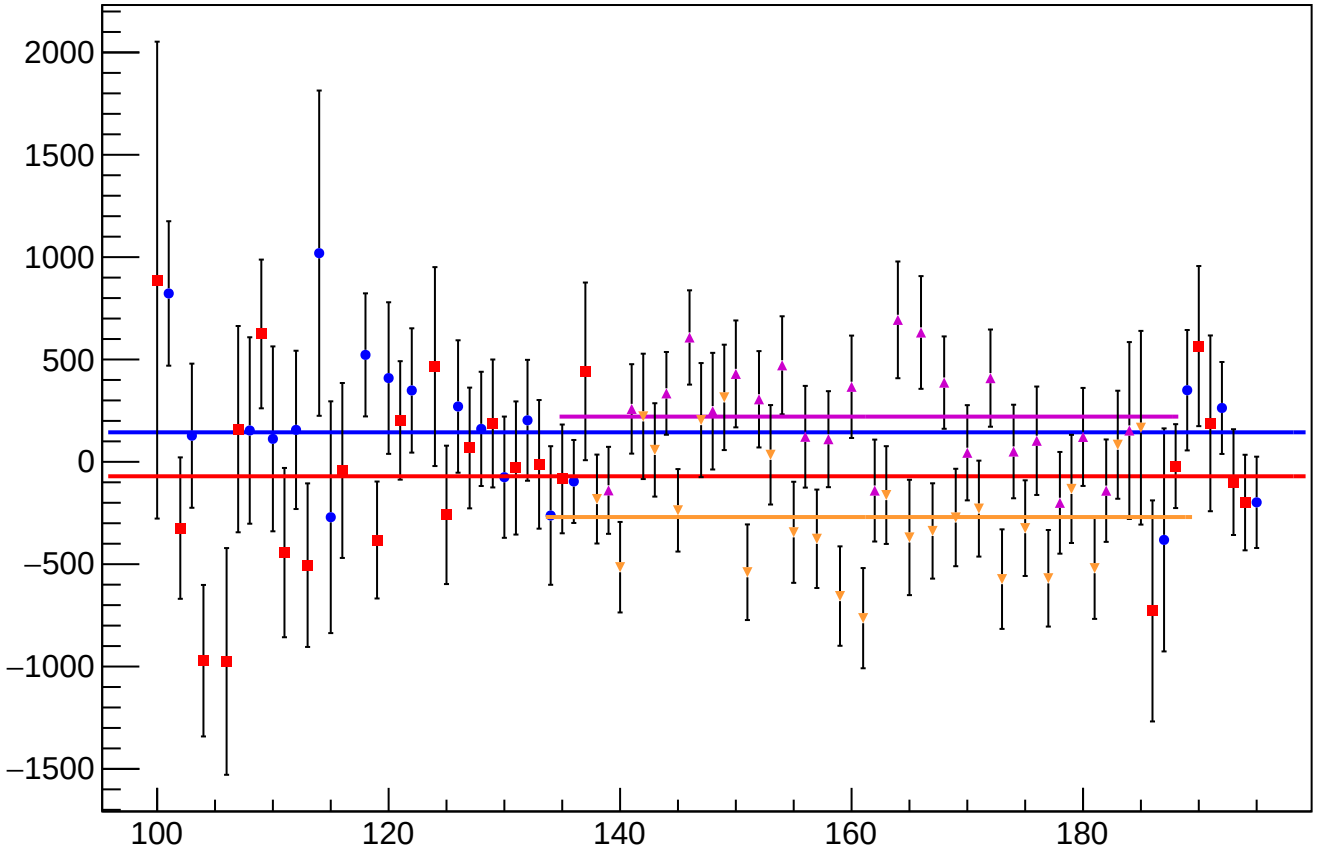
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1694.925+/-0.231 χ^2/NDF: 4174664.9/44

All: 1720.093+/-0.166 χ^2/NDF: 9531352.3/92

- sign 1747.054+/-0.239 χ^2/NDF: 5332069.4/47

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: -70.533+/-67.526 χ^2/NDF: 26.5/24

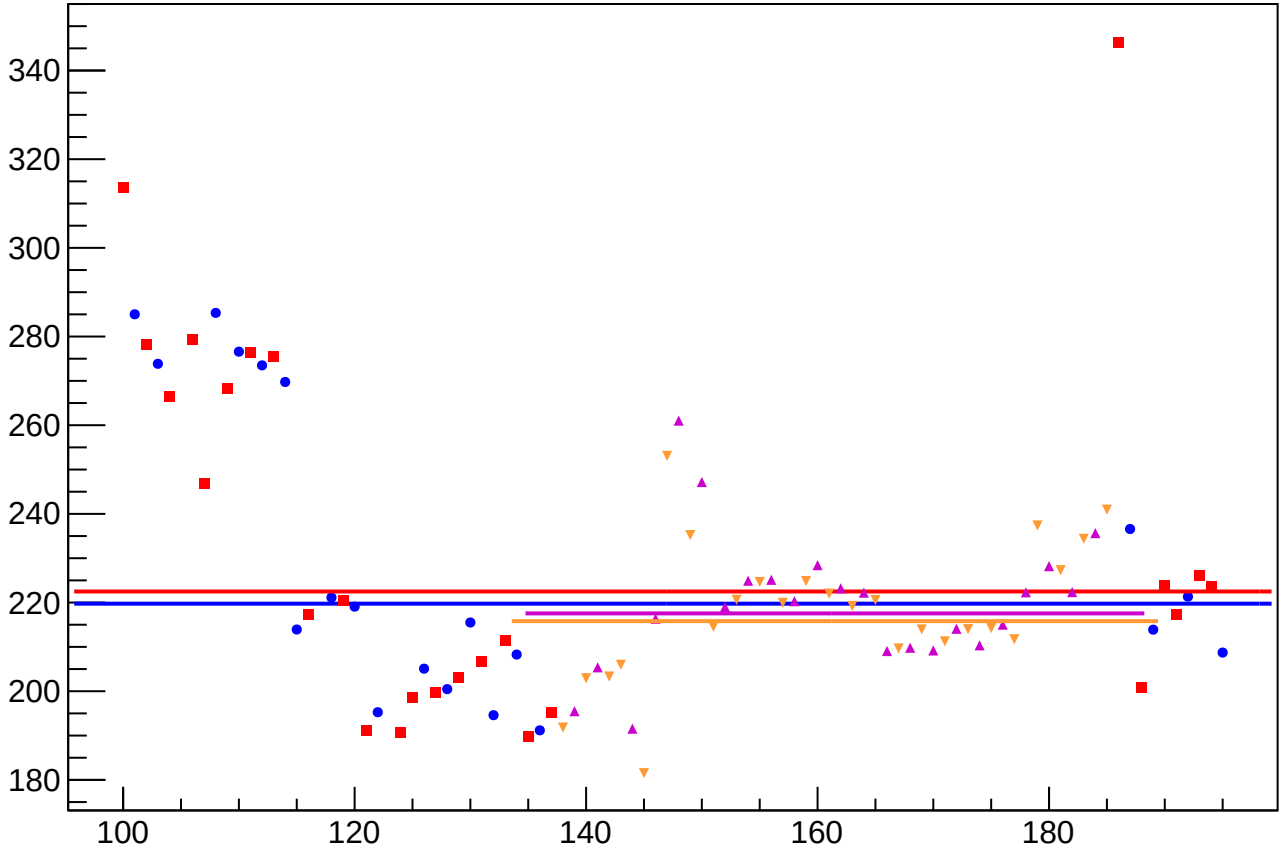
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

\+ sign -134.995+/-40.376 χ^2/NDF: 70.2/44

All: -10.831+/-28.655 χ^2/NDF: 151.0/92

\- sign 115.178+/-40.674 χ^2/NDF: 61.7/47

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

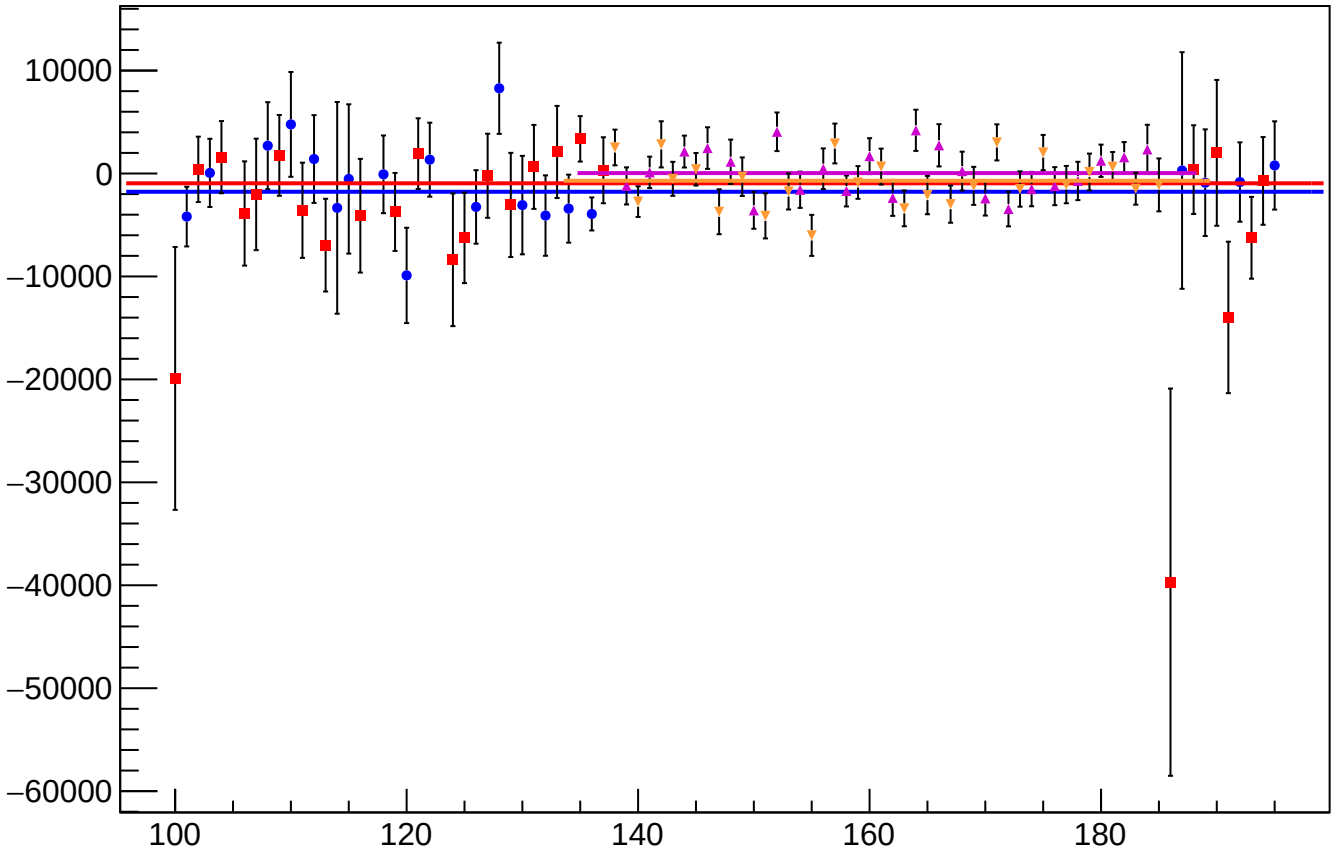
Right Out: 222.493+/-0.048 χ^2/NDF: 455242.7/24

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.089+/-0.029 χ^2/NDF: 519830.9/44

All: 218.209+/-0.020 χ^2/NDF: 1146061.2/92

- sign 219.346+/-0.029 χ^2/NDF: 623126.8/47



Right In: -1774.530+/-825.421 χ^2/NDF: 16.7/19

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

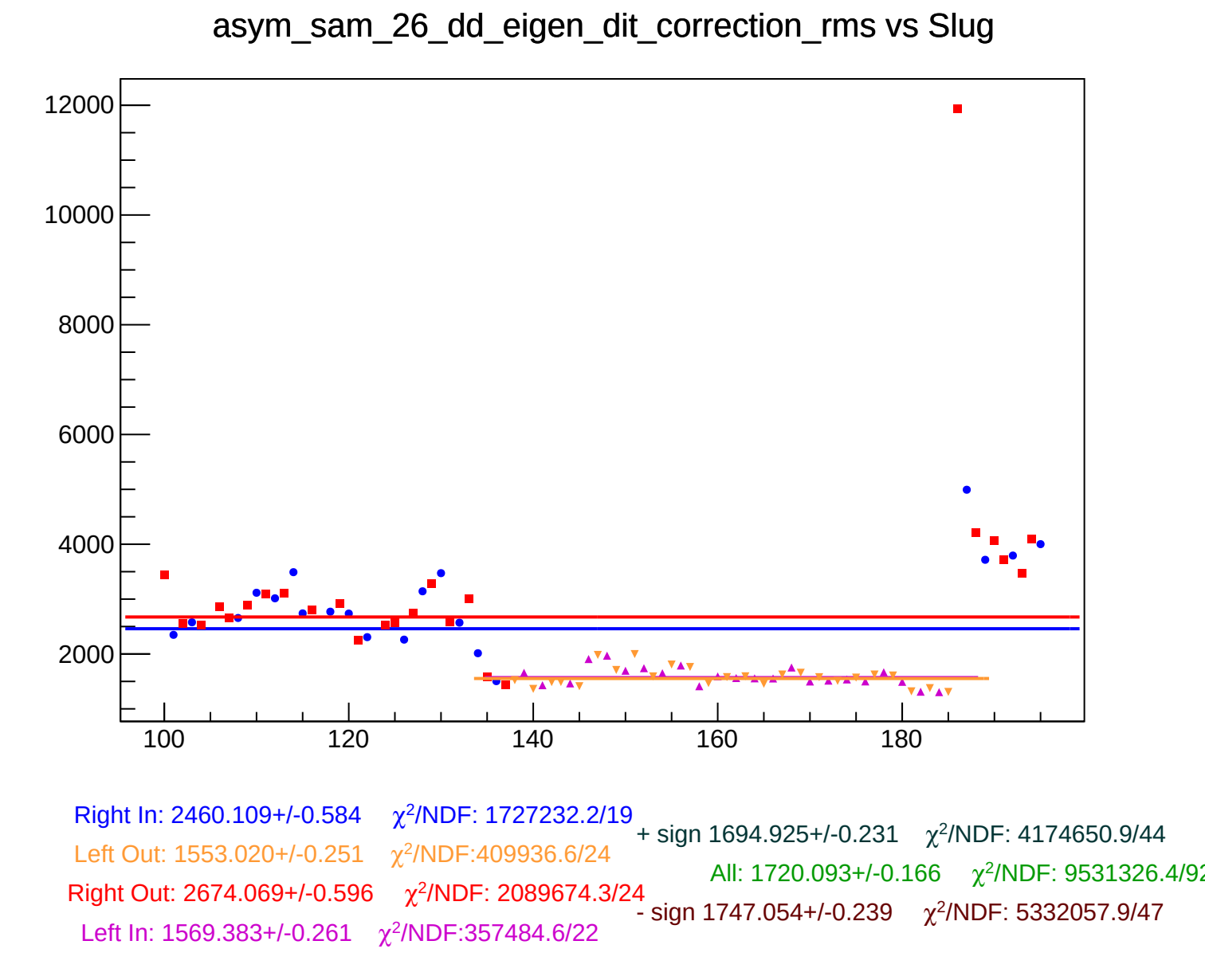
Right Out: -950.884+/-842.582 χ^2/NDF: 24.4/24

Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

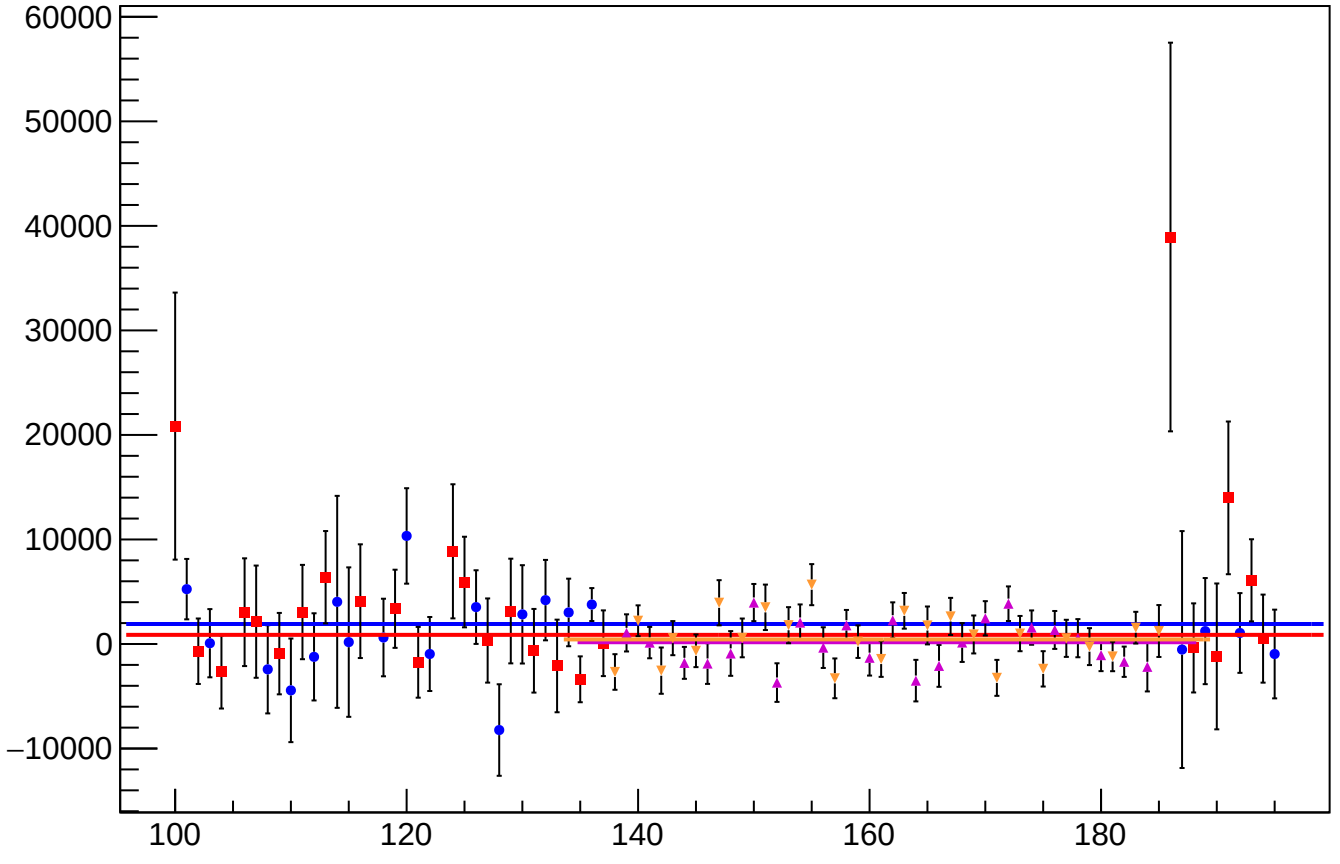
+ sign -871.485+/-326.476 χ^2/NDF: 55.7/44

All: -508.506+/-234.792 χ^2/NDF: 118.2/92

- sign -119.656+/-337.910 χ^2/NDF: 59.9/47


asym_sam_26_dd_eigen_dit_correction_rms vs Slug
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2460.109+/-0.584 χ²/NDF: 1727232.2/19
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2674.069+/-0.596 χ²/NDF: 2089674.3/24
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
+ sign 1694.925+/-0.231 χ²/NDF: 4174650.9/44
All: 1720.093+/-0.166 χ²/NDF: 9531326.4/92
- sign 1747.054+/-0.239 χ²/NDF: 5332057.9/47

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: 874.128+/-833.059 χ^2/NDF: 24.3/24

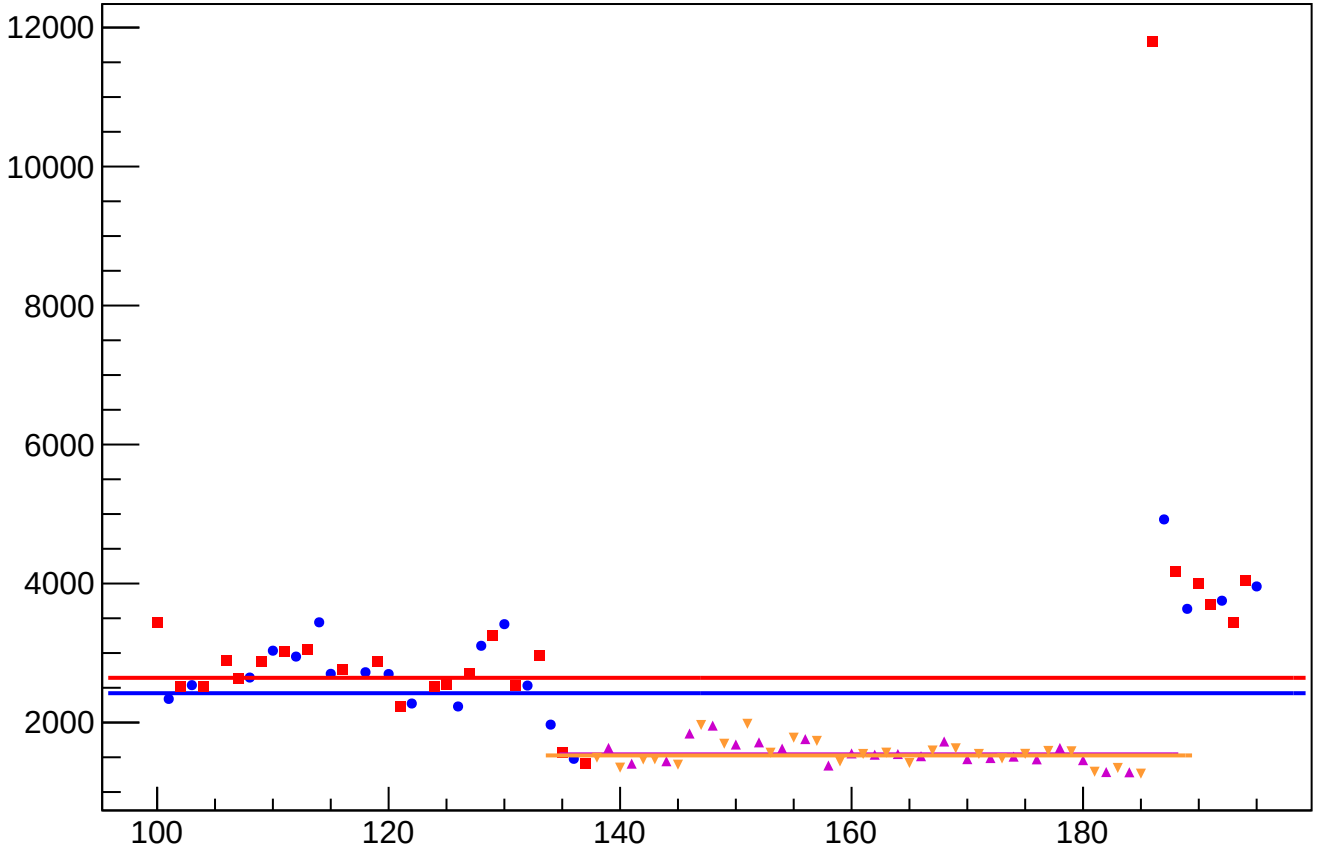
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 667.703+/-321.155 χ^2/NDF: 58.9/44

All: 481.495+/-230.975 χ^2/NDF: 117.5/92

- sign 281.981+/-332.433 χ^2/NDF: 57.9/47

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

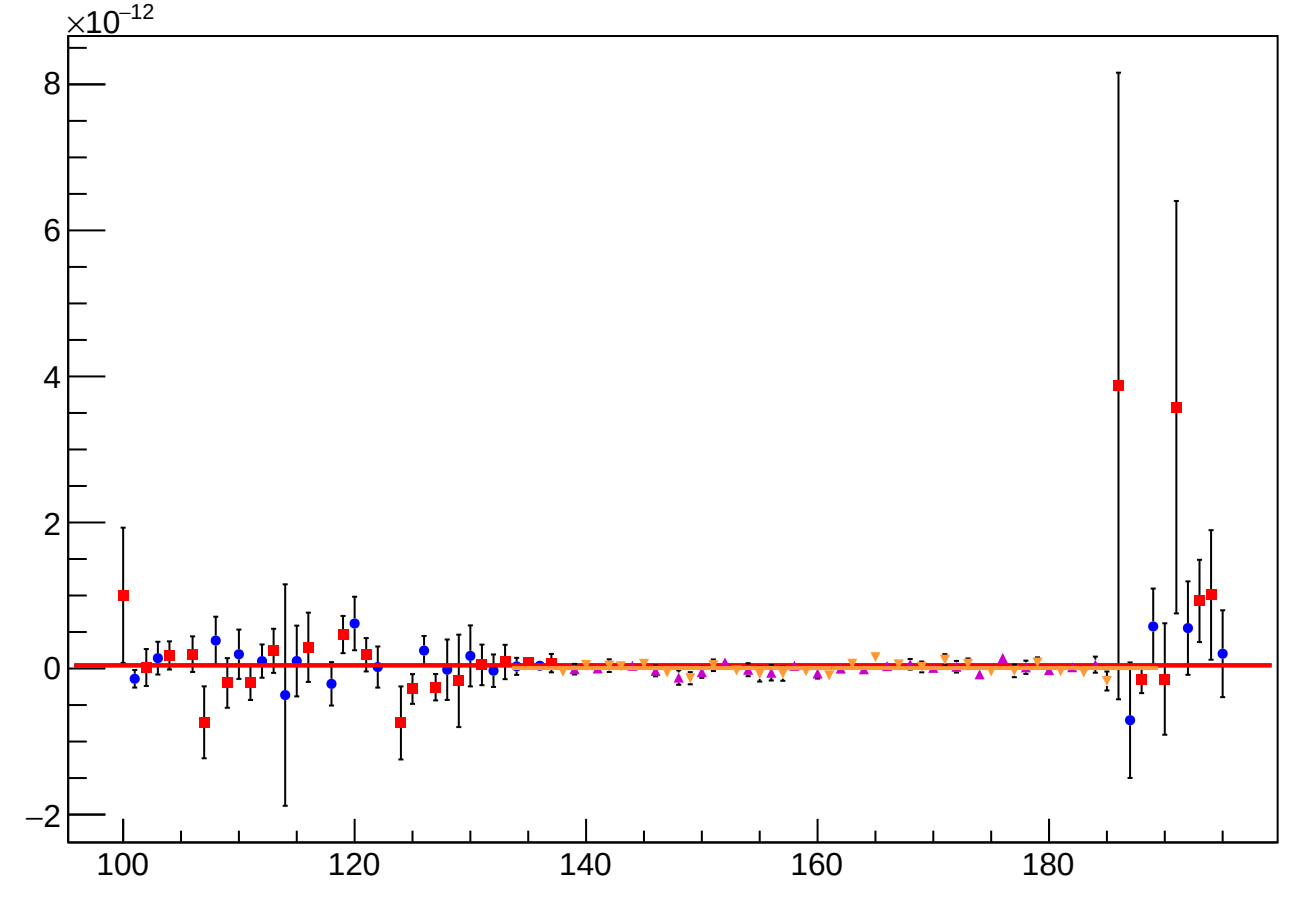
Right Out: 2643.213+/-0.589 χ^2/NDF: 2087613.3/24

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1666.401+/-0.227 χ^2/NDF: 4215175.2/44

All: 1691.108+/-0.163 χ^2/NDF: 9626473.4/92

- sign 1717.579+/-0.235 χ^2/NDF: 5386780.1/47



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: 25.3/24

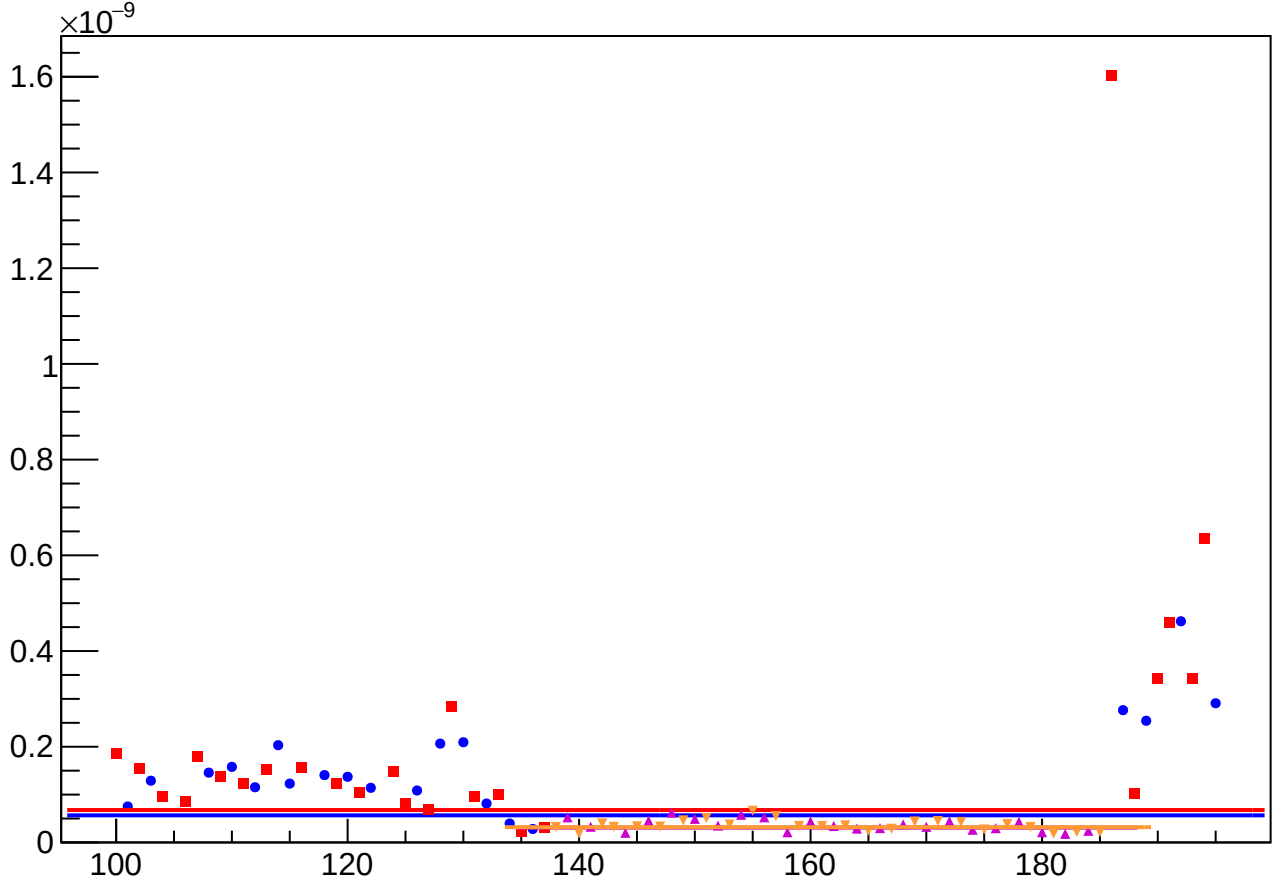
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/44

All: 0.000+/-0.000 χ^2/NDF: 85.8/92

- sign 0.000+/-0.000 χ^2/NDF: 43.0/47

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4153377.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

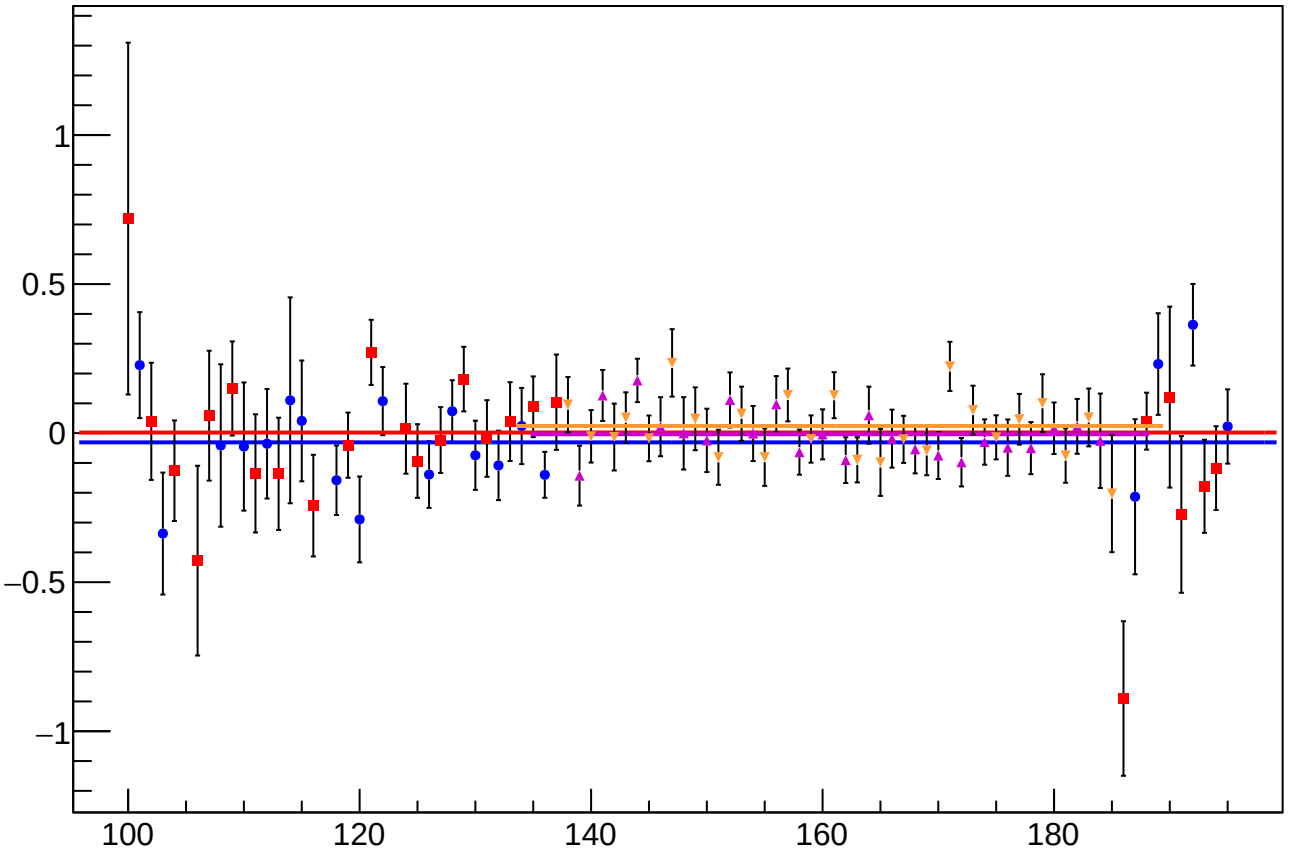
Right Out: 0.000+/-0.000 χ^2/NDF: 4369524.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6235784.5/44

All: 0.000+/-0.000 χ^2/NDF: 13603764.4/92

- sign 0.000+/-0.000 χ^2/NDF: 7367299.8/47



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: 0.002+/-0.029 χ^2/NDF: 34.1/24

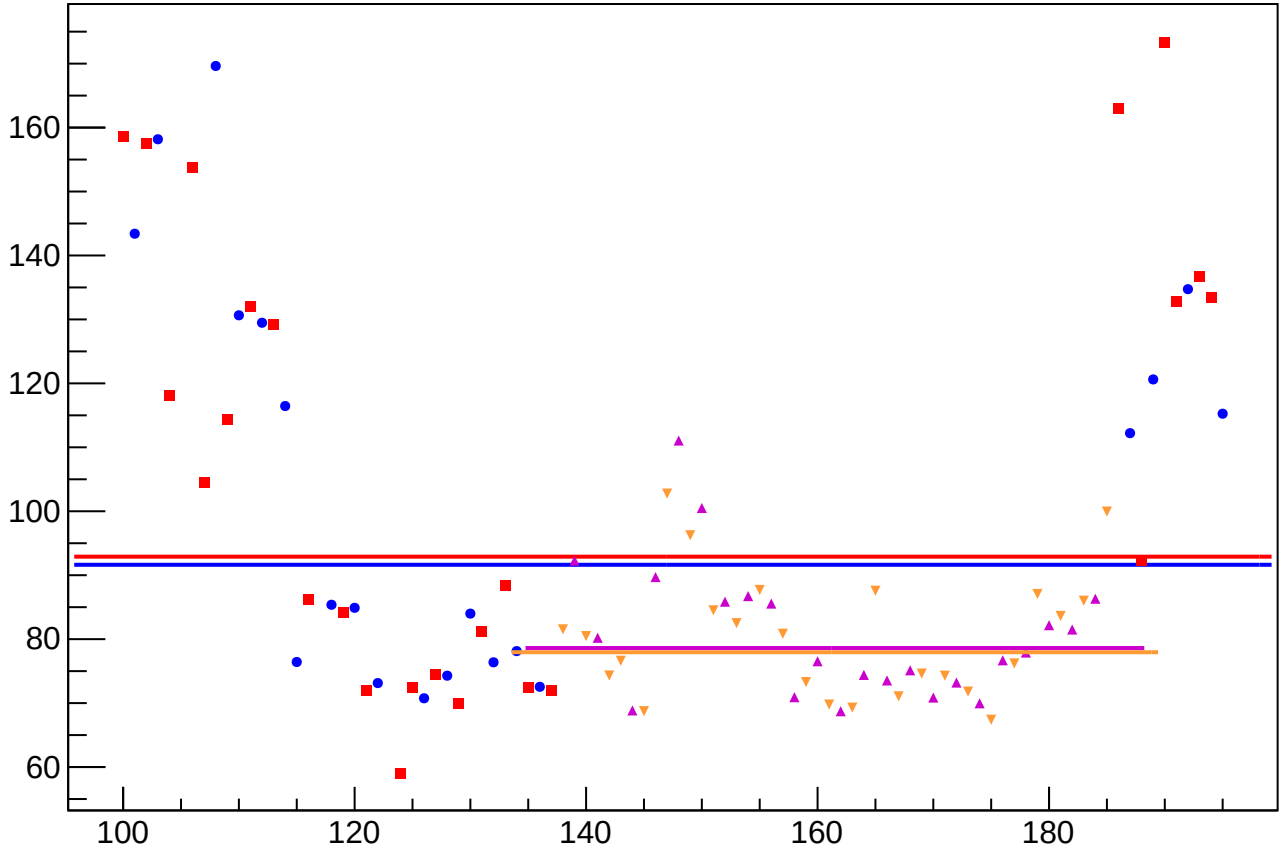
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.004+/-0.011 χ^2/NDF: 107.8/92

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47

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

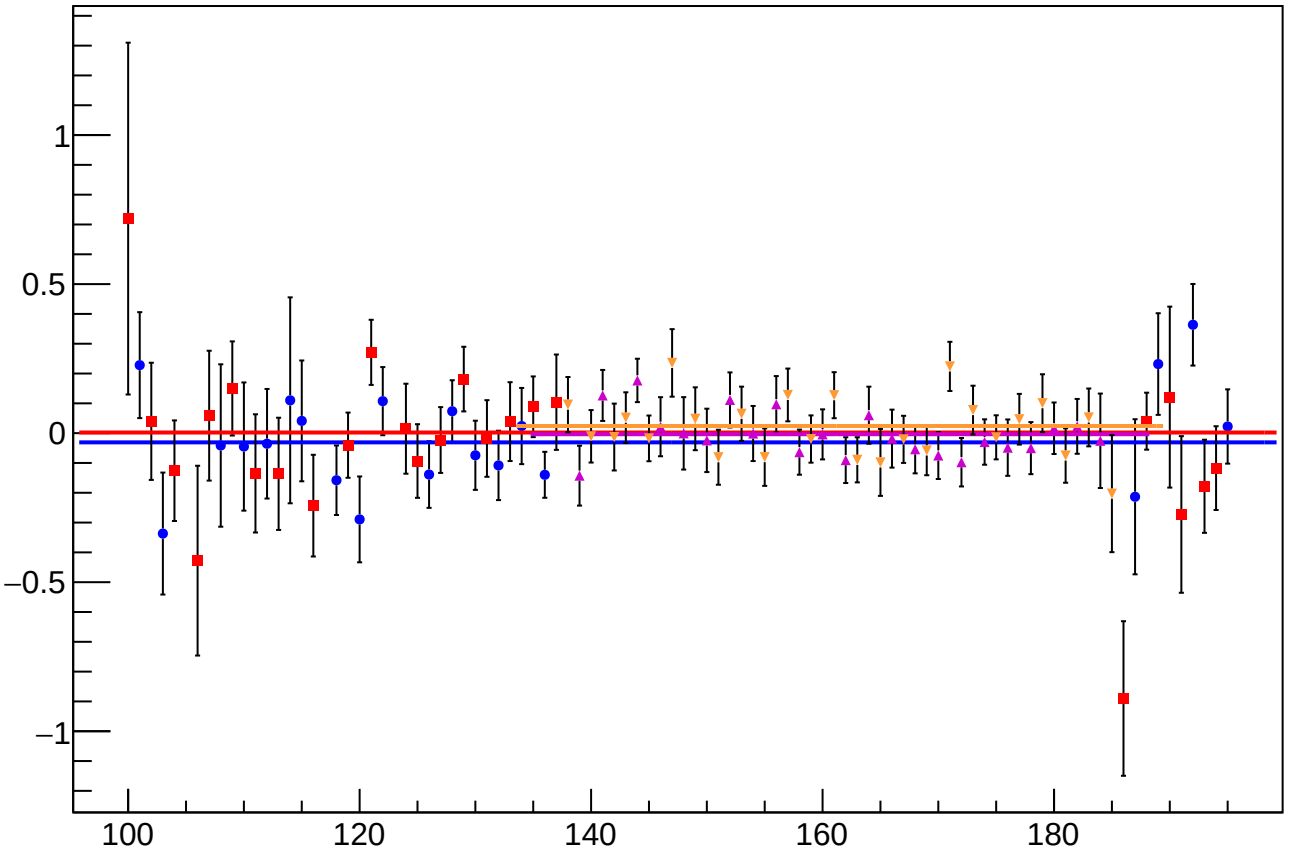
Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 81.432+/-0.011 χ^2/NDF: 2171569.7/44

All: 82.054+/-0.008 χ^2/NDF: 4748386.8/92

- sign 82.699+/-0.011 χ^2/NDF: 2570177.2/47



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

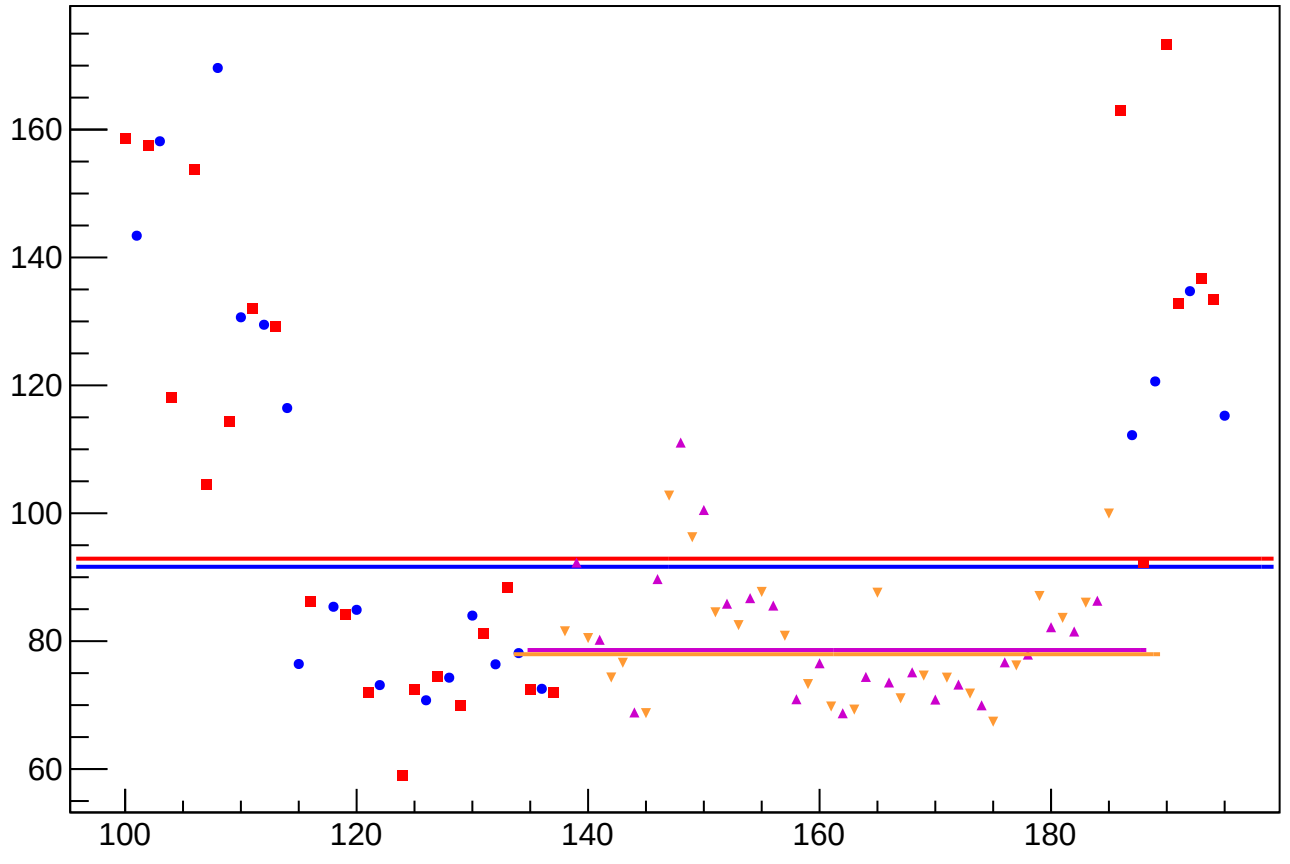
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.004+/-0.011 χ^2/NDF: 107.8/92

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 91.631+/-0.022 χ^2/NDF: 1433875.9/19

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

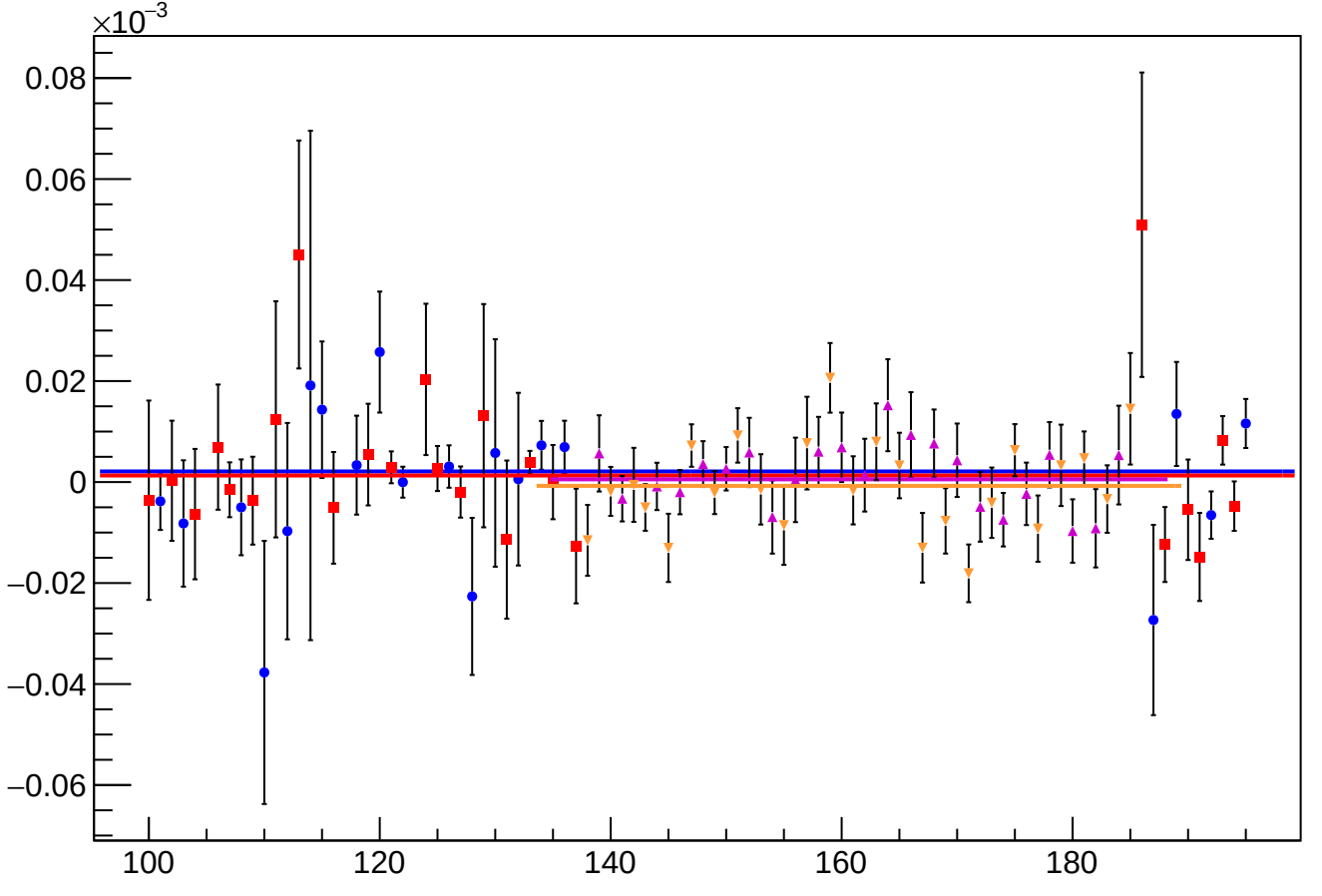
Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 81.432+/-0.011 χ^2/NDF: 2171569.7/44

All: 82.054+/-0.008 χ^2/NDF: 4748386.8/92

- sign 82.699+/-0.011 χ^2/NDF: 2570177.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

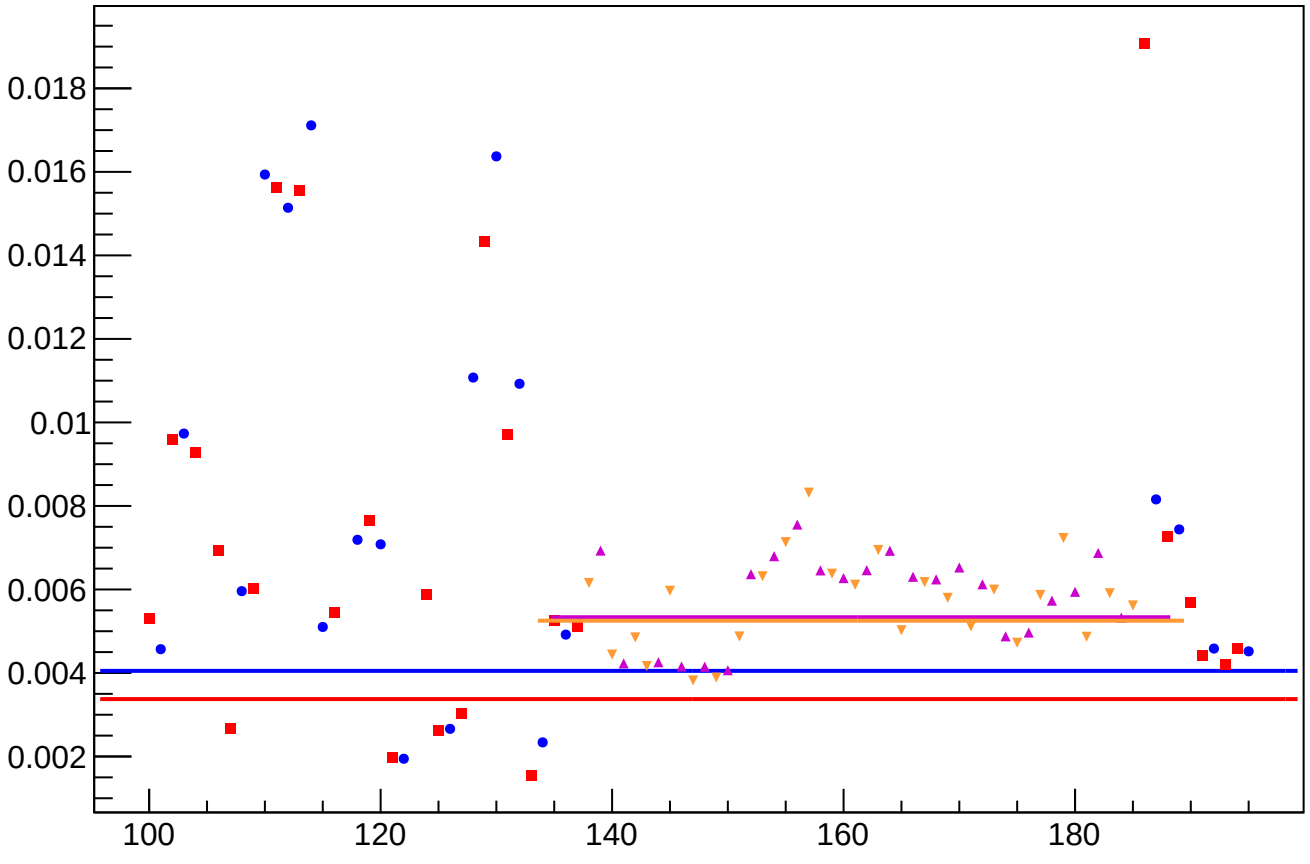
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

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: 120.0/92

- sign 0.000+/-0.000 χ^2/NDF: 44.3/47



Right In: 0.004+/-0.000 χ^2/NDF: 5096812.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

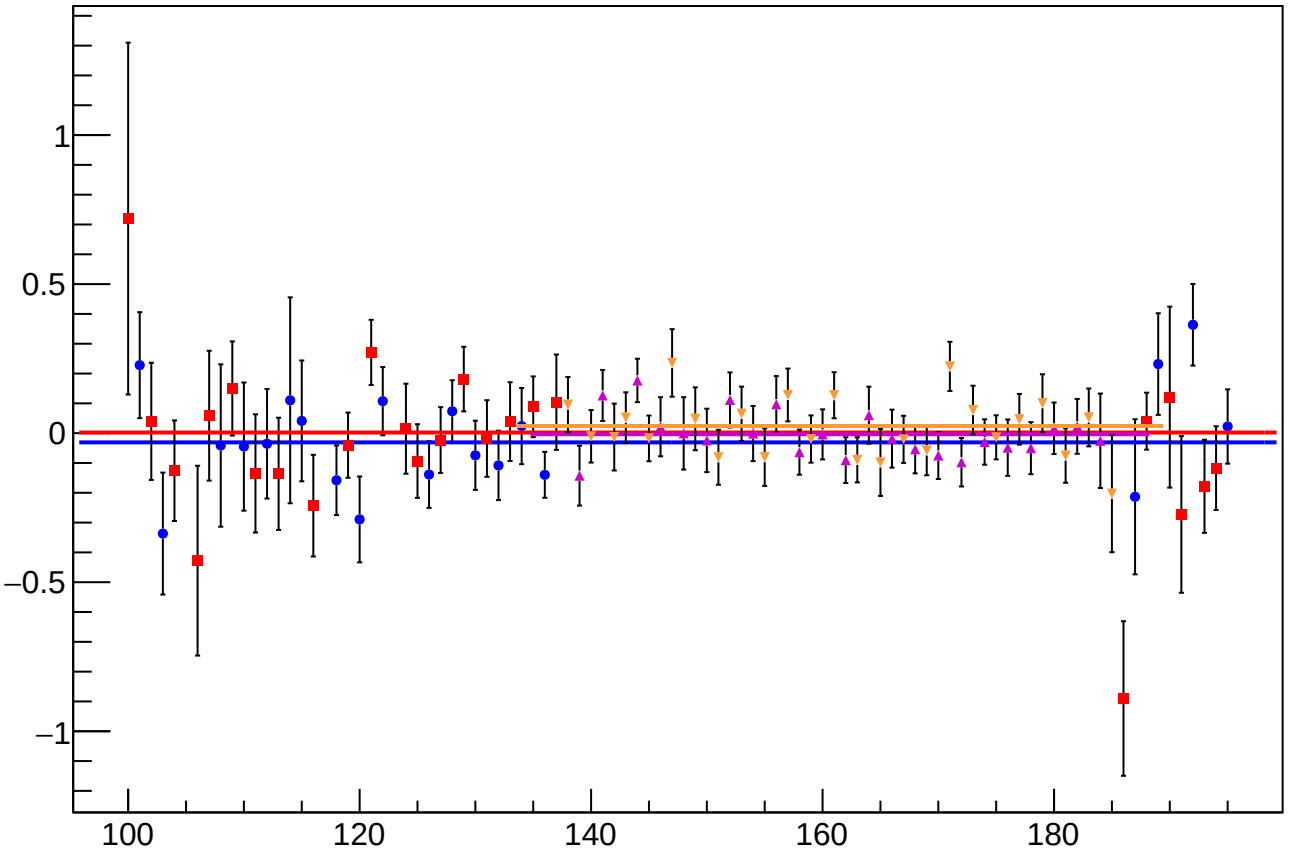
Right Out: 0.003+/-0.000 χ^2/NDF: 7134651.5/24

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: 18629805.7/92

- sign 0.004+/-0.000 χ^2/NDF: 11033743.1/47



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

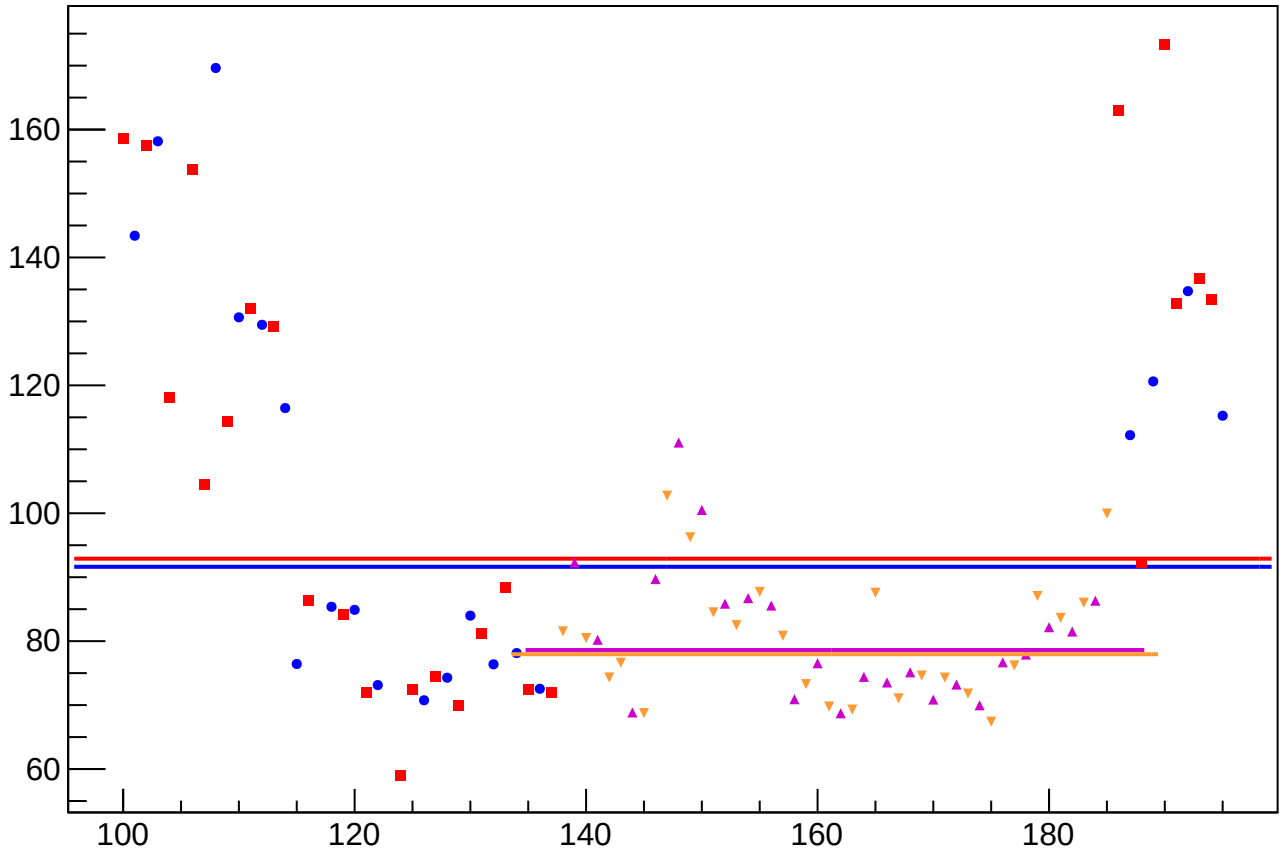
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.004+/-0.011 χ^2/NDF: 107.8/92

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

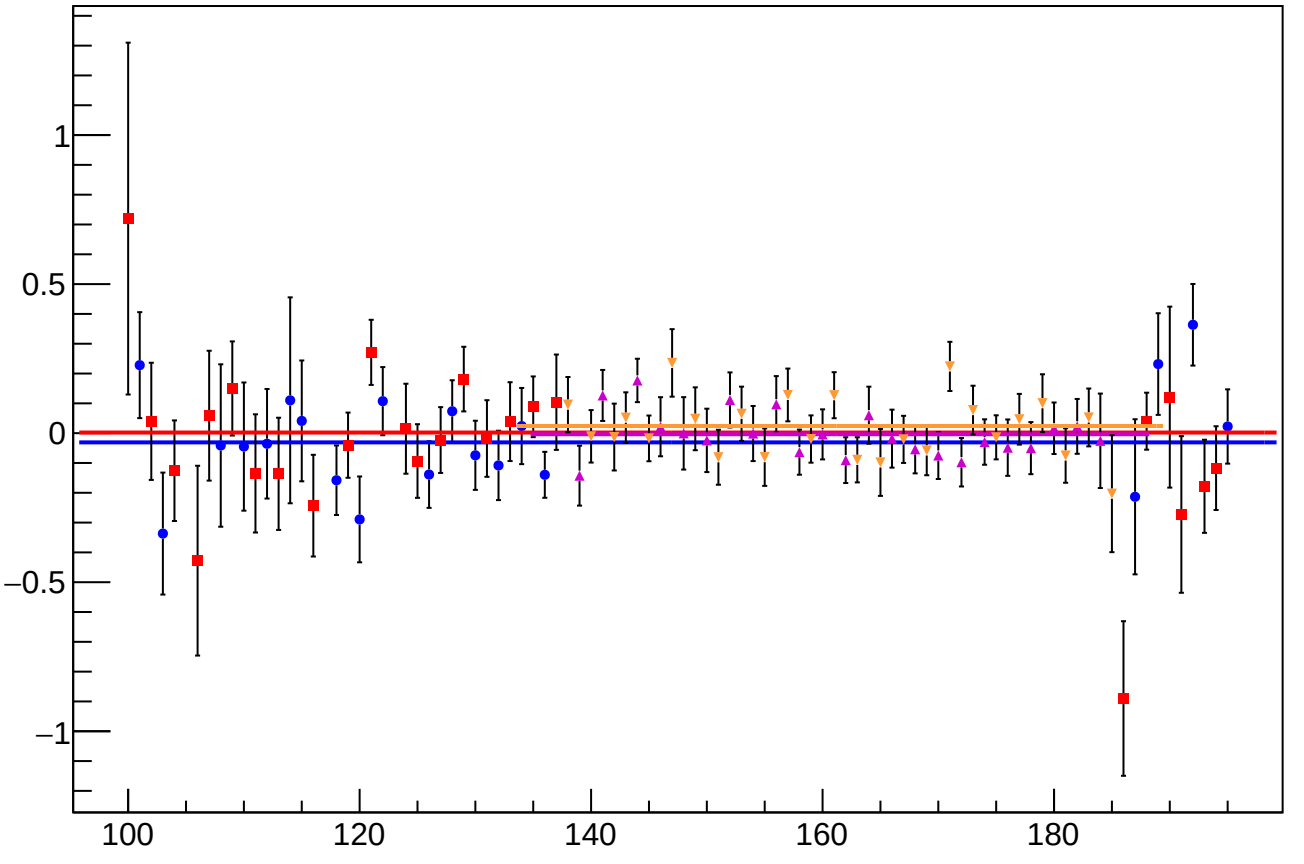
Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 81.431+/-0.011 χ^2/NDF: 2171571.4/44

All: 82.053+/-0.008 χ^2/NDF: 4748388.1/92

- sign 82.698+/-0.011 χ^2/NDF: 2570178.9/47



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

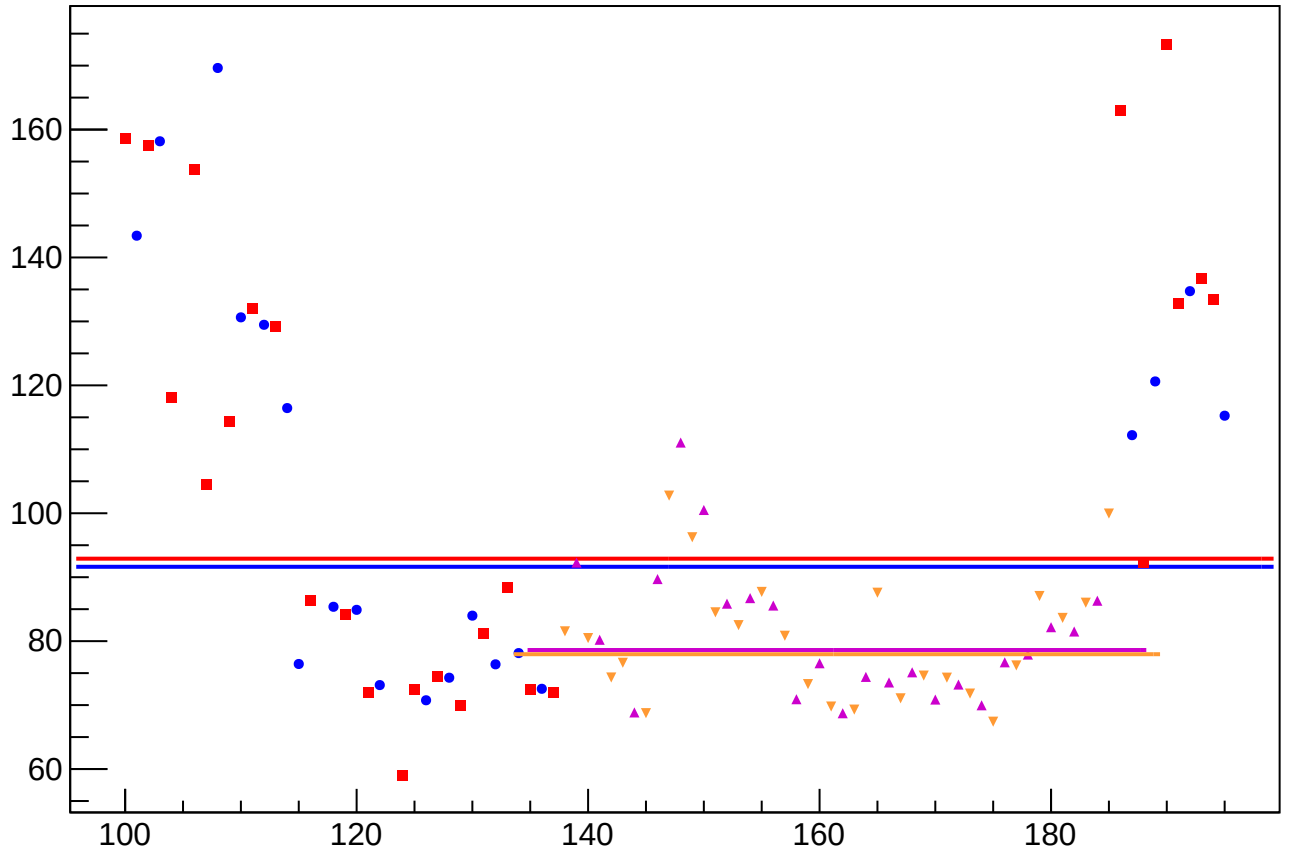
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 54.5/44

All: 0.004+/-0.011 χ^2/NDF: 107.8/92

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

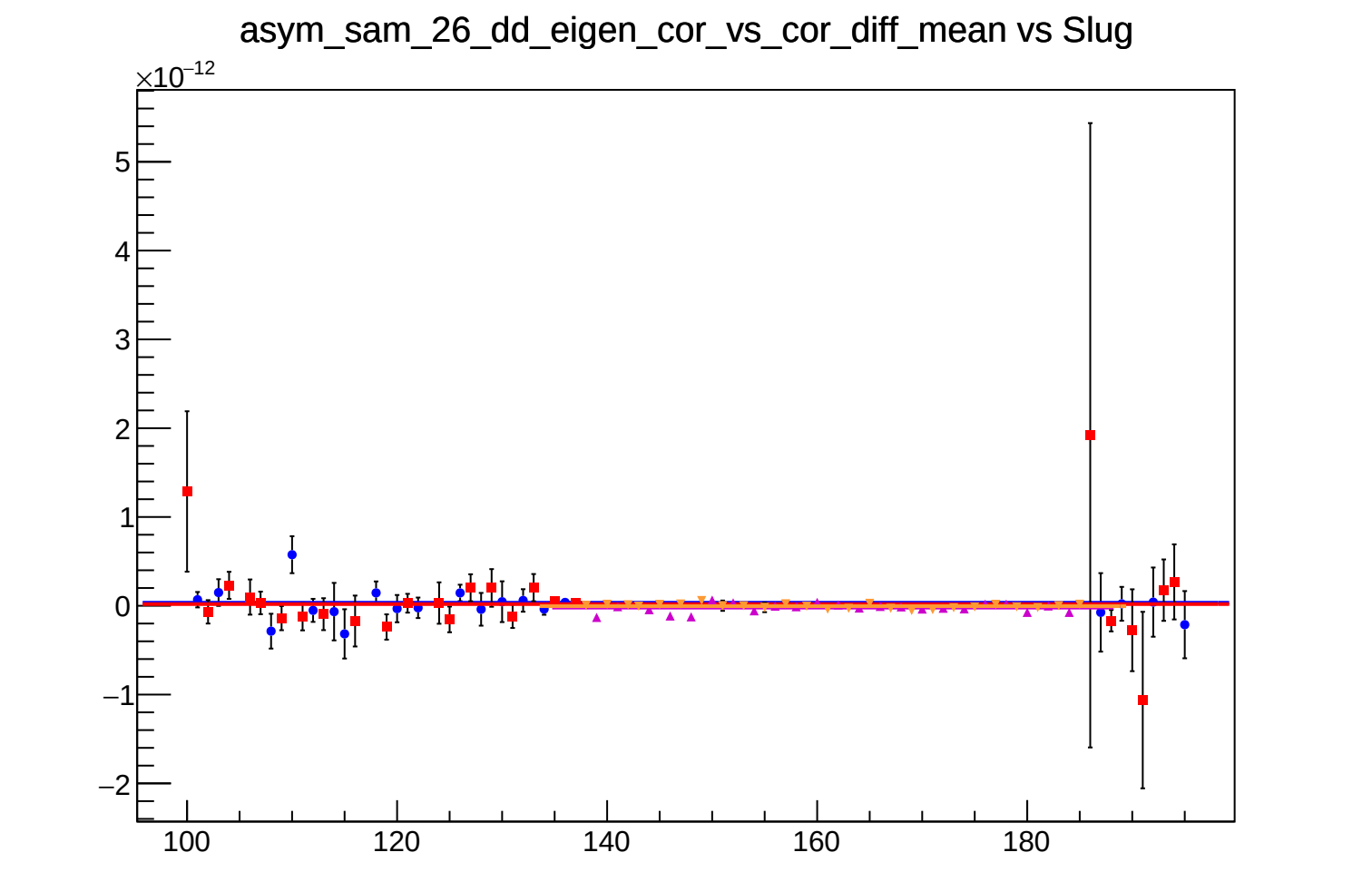
Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

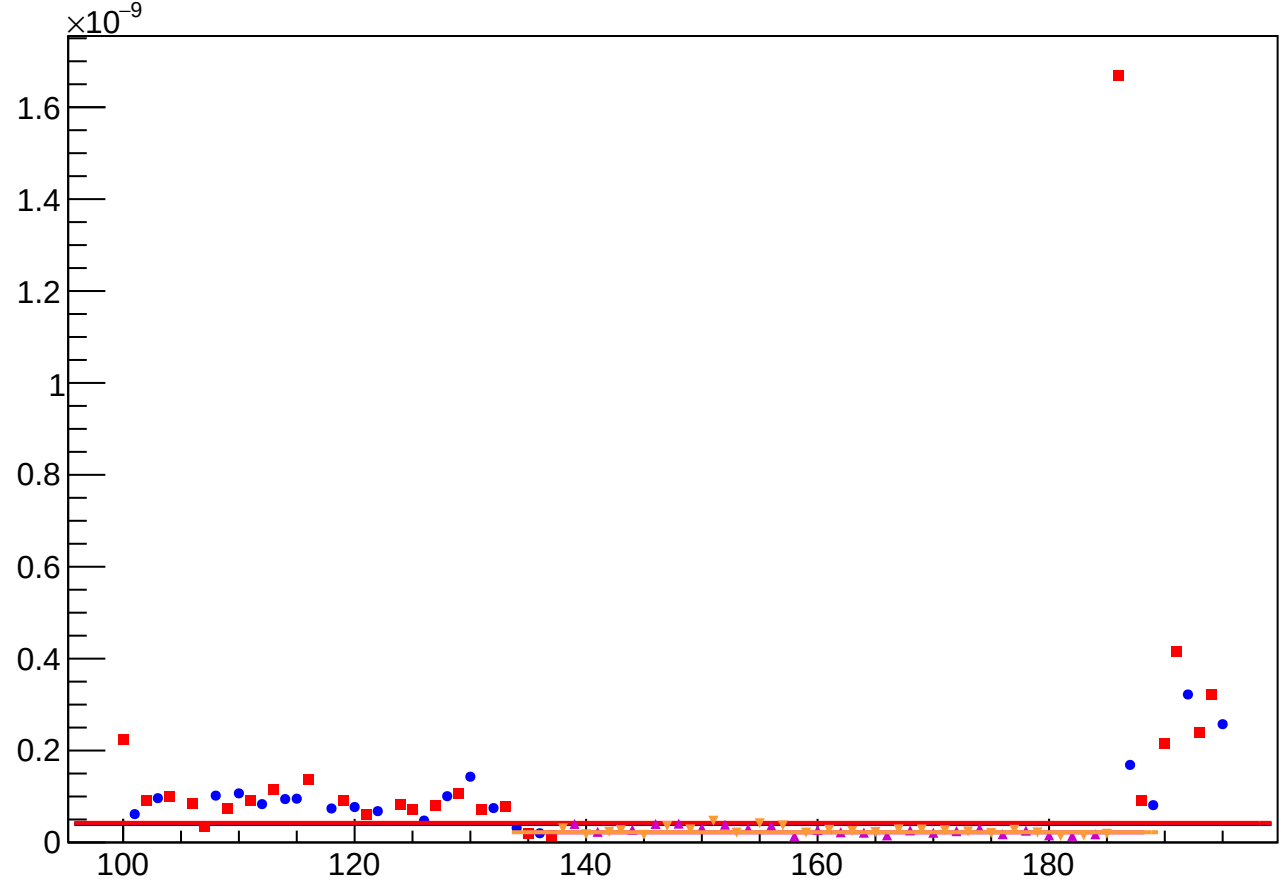
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 81.431+/-0.011 χ^2/NDF: 2171571.4/44

All: 82.053+/-0.008 χ^2/NDF: 4748388.1/92

- sign 82.698+/-0.011 χ^2/NDF: 2570178.9/47


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
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: 22.8/24
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: 103.0/92
- sign -0.000+/-0.000 χ²/NDF: 66.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 5448192.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7026856.6/24

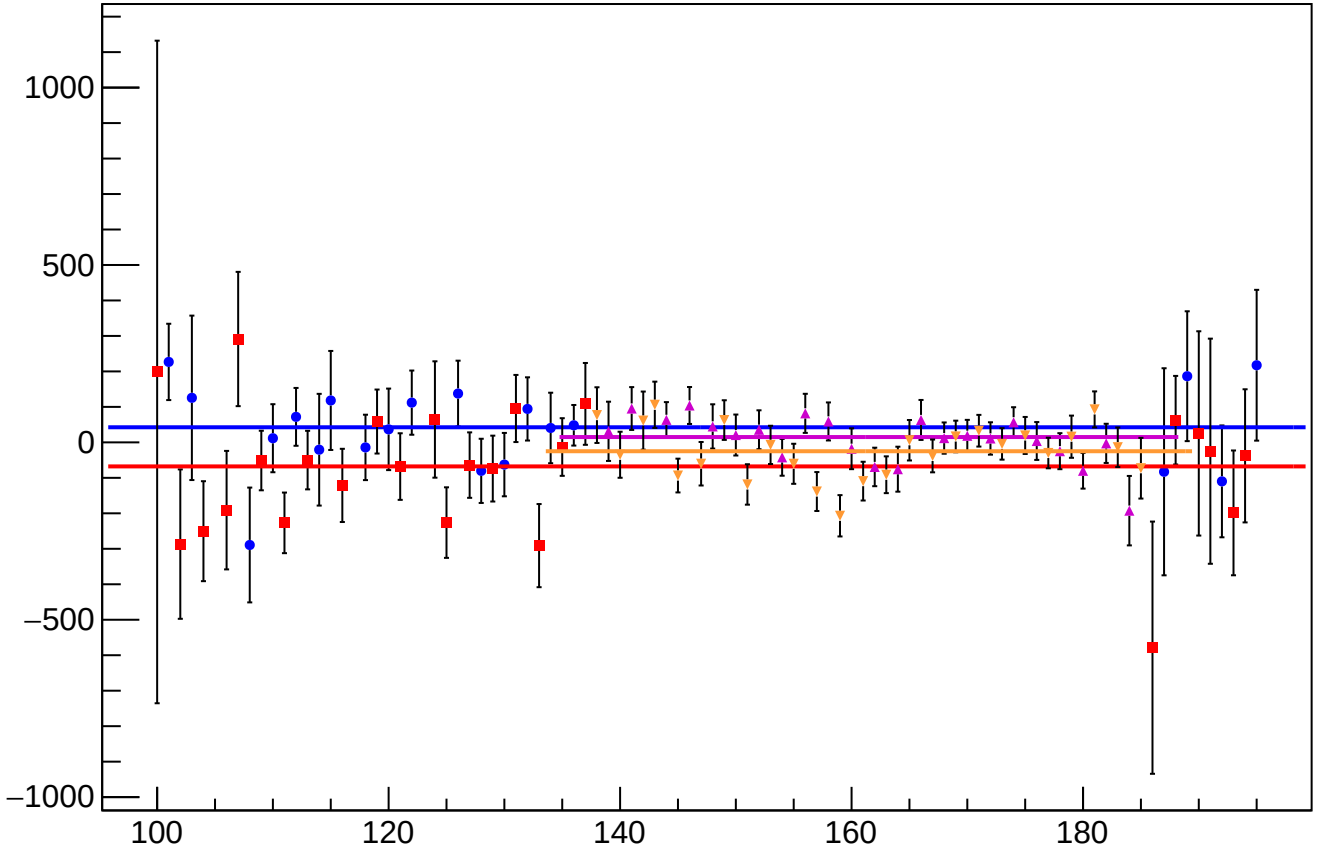
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9144693.9/44

All: 0.000+/-0.000 χ^2/NDF: 20641160.0/92

- sign 0.000+/-0.000 χ^2/NDF: 11496349.8/47

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: -67.776+/-23.364 χ^2/NDF: 29.2/24

Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.054+/-9.879 χ^2/NDF: 65.9/44

All: -6.930+/-7.067 χ^2/NDF: 130.8/92

- sign -0.513+/-10.113 χ^2/NDF: 64.2/47

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: 70.975+/-0.017 χ^2/NDF: 3177990.1/24

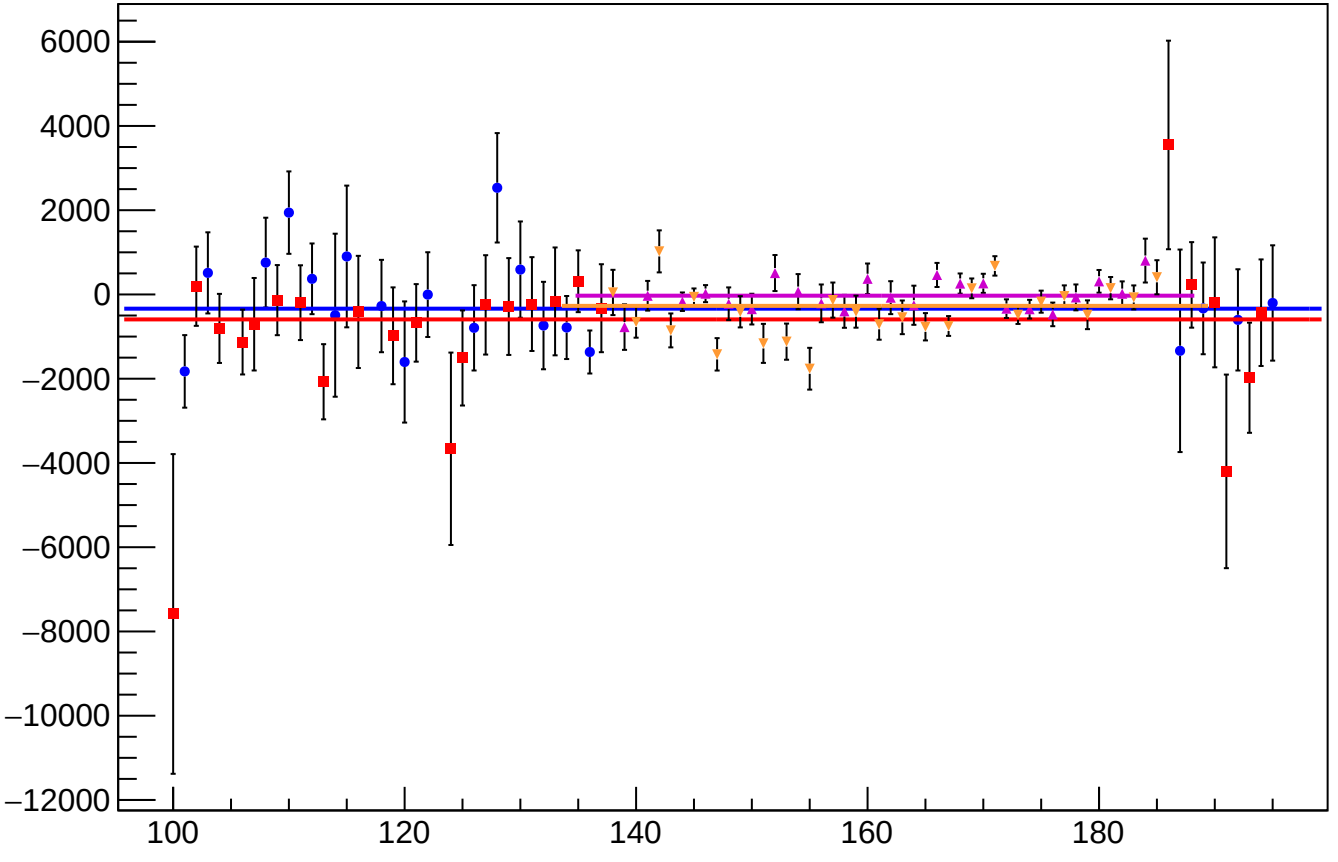
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491980.2/44

All: 51.363+/-0.005 χ^2/NDF: 9985637.4/92

- sign 51.837+/-0.007 χ^2/NDF: 5485057.1/47

asym_sam_37_dd_reg_correction_mean vs Slug



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: -592.365+/-216.820 χ^2/NDF: 19.6/24

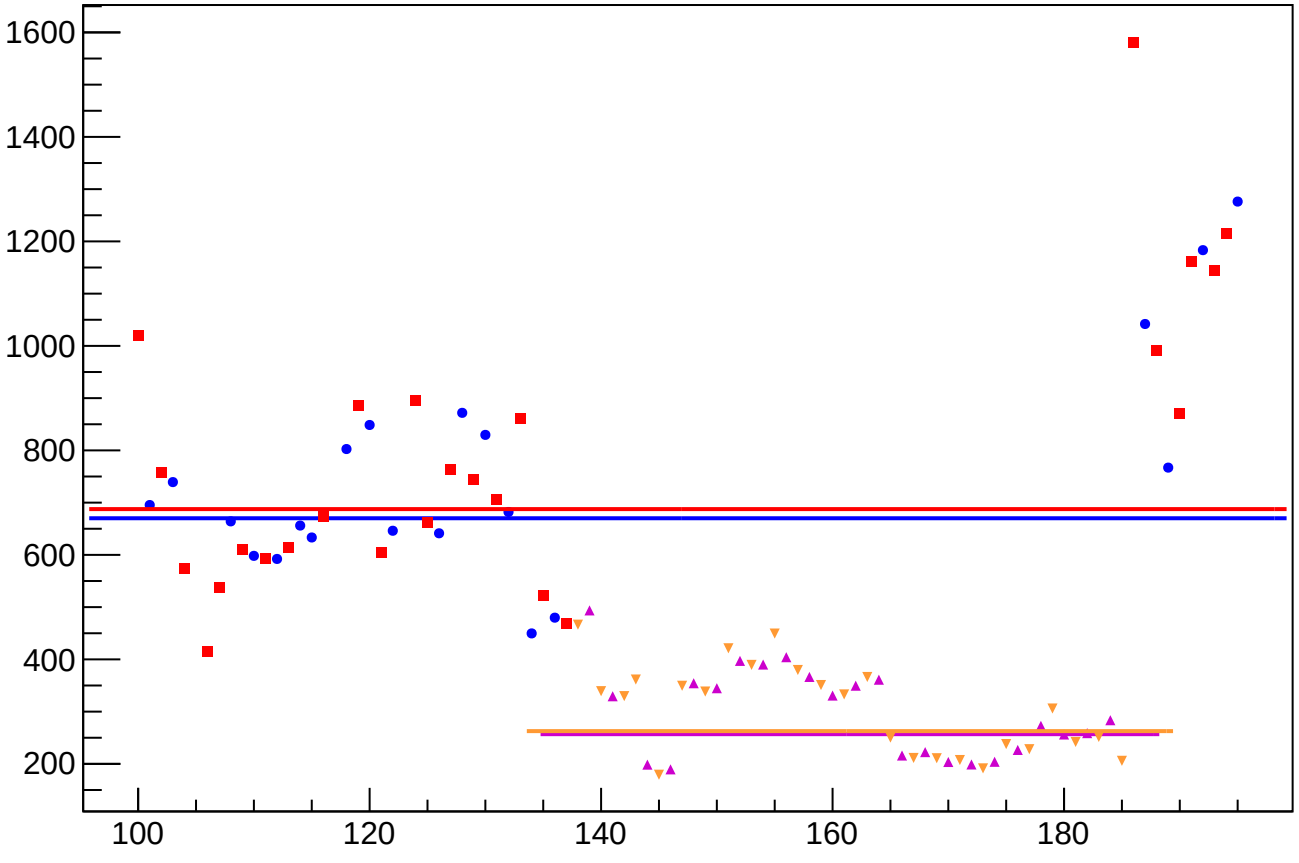
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.790+/-60.074 χ^2/NDF: 96.9/44

All: -174.430+/-42.525 χ^2/NDF: 152.9/92

- sign -72.623+/-60.206 χ^2/NDF: 50.2/47

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: 687.627+/-0.153 χ^2/NDF: 1882563.1/24

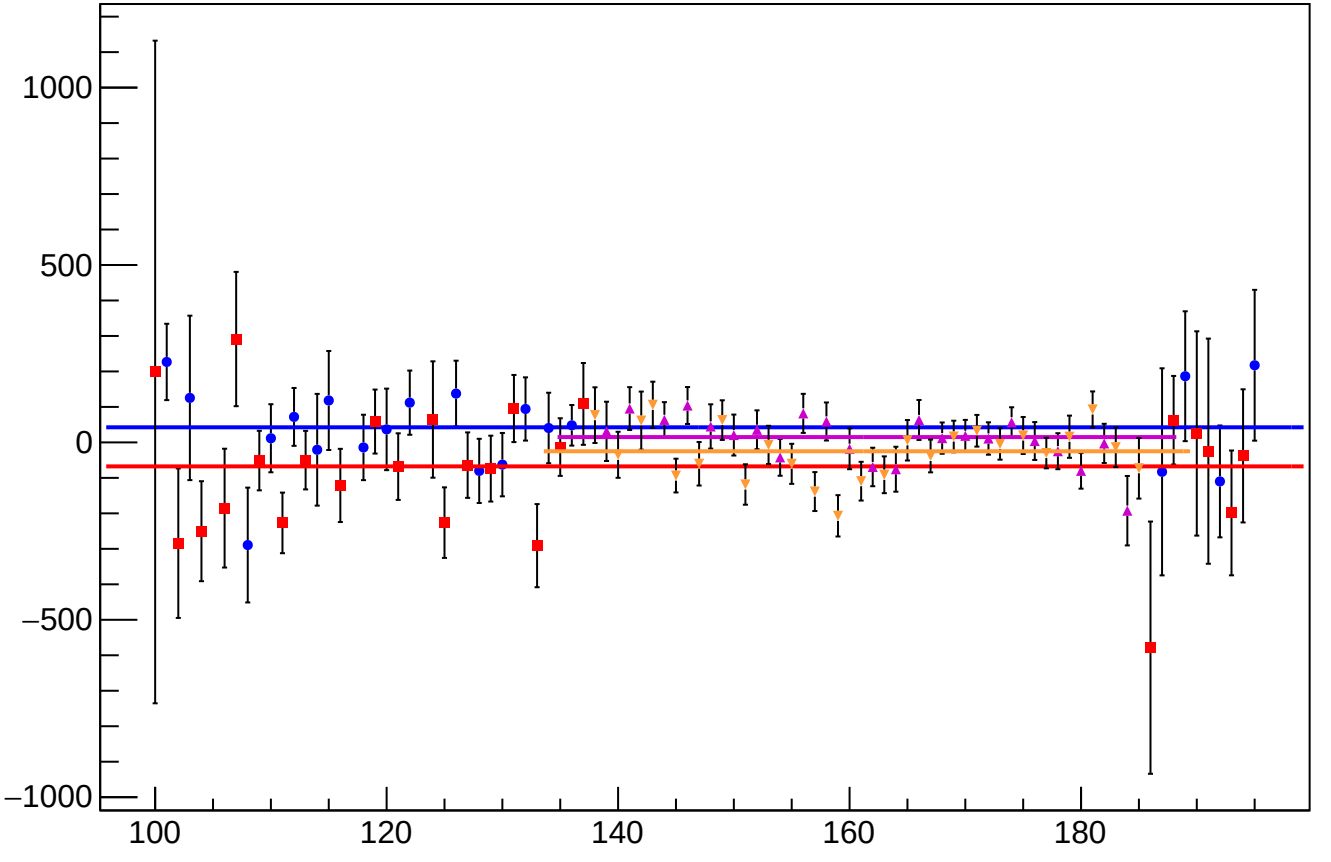
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467781.3/44

All: 290.946+/-0.030 χ^2/NDF: 22276666.2/92

- sign 290.058+/-0.043 χ^2/NDF: 11808016.8/47

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: -67.607+/-23.365 χ^2/NDF: 29.1/24

Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.053+/-9.879 χ^2/NDF: 65.9/44

All: -6.914+/-7.067 χ^2/NDF: 130.7/92

- sign -0.481+/-10.113 χ^2/NDF: 64.0/47

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: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

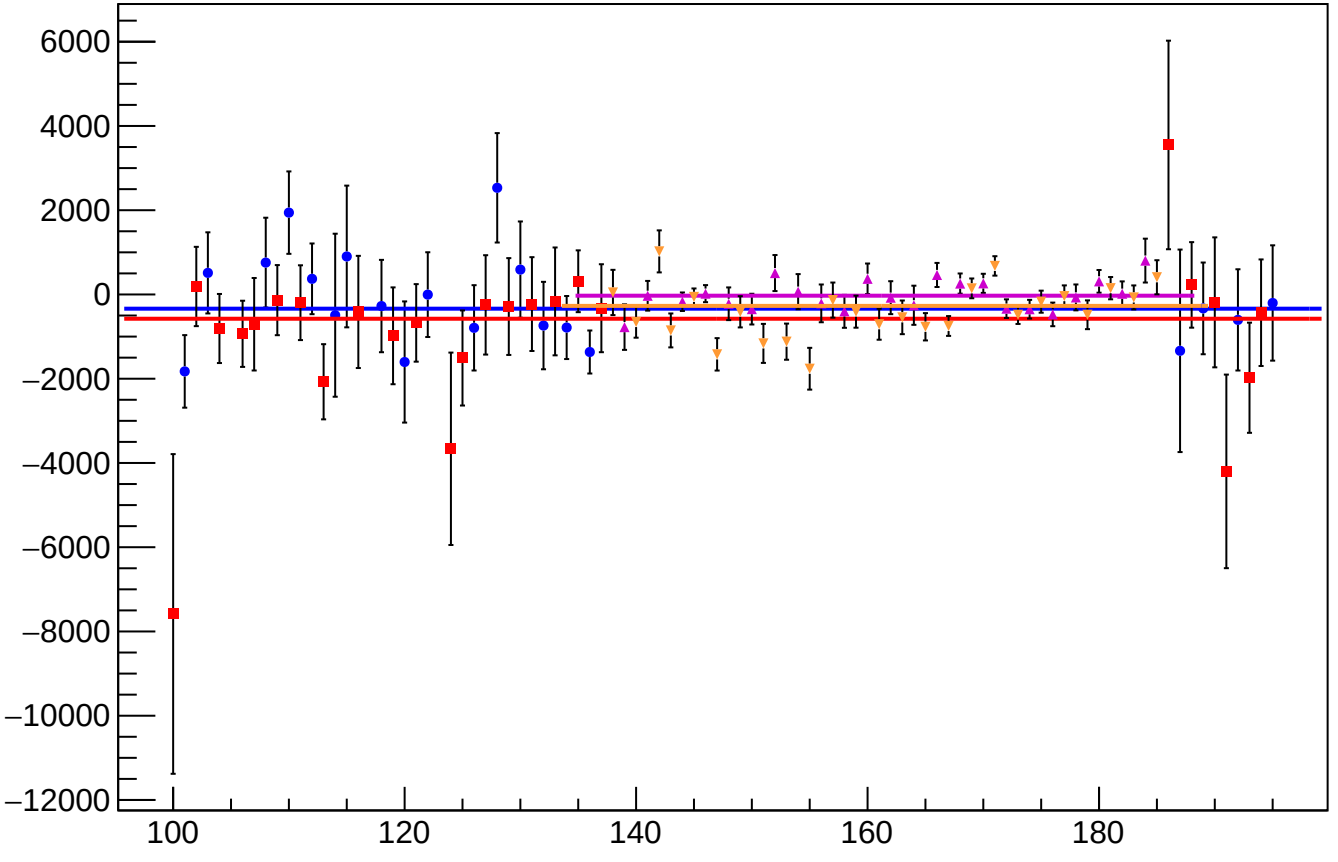
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491981.9/44

All: 51.361+/-0.005 χ^2/NDF: 9980833.6/92

- sign 51.833+/-0.007 χ^2/NDF: 5480332.9/47

asym_sam_37_dd_cor_correction_mean vs Slug



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: -576.277+/-217.169 χ^2/NDF: 19.3/24

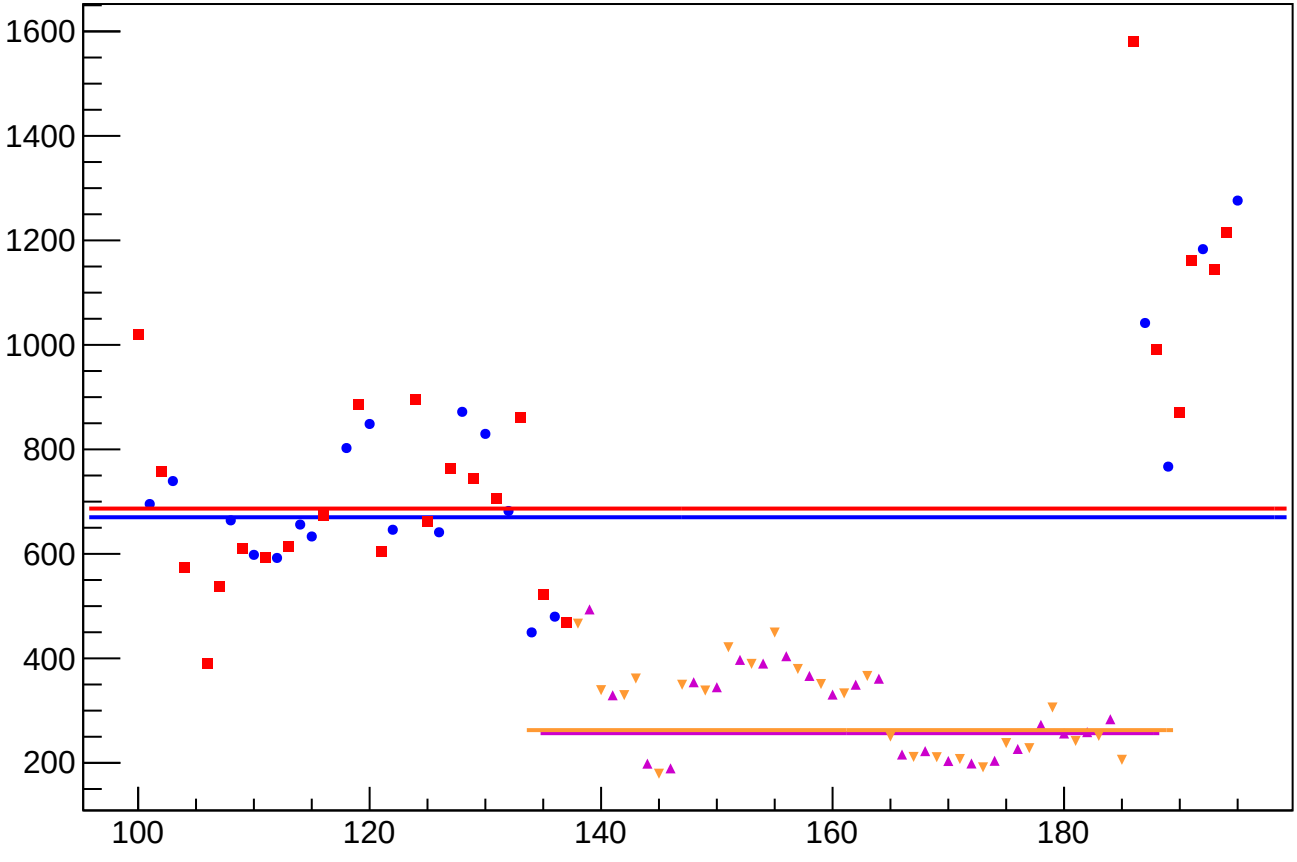
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.786+/-60.074 χ^2/NDF: 96.9/44

All: -173.760+/-42.528 χ^2/NDF: 152.3/92

- sign -71.259+/-60.214 χ^2/NDF: 49.5/47

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: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

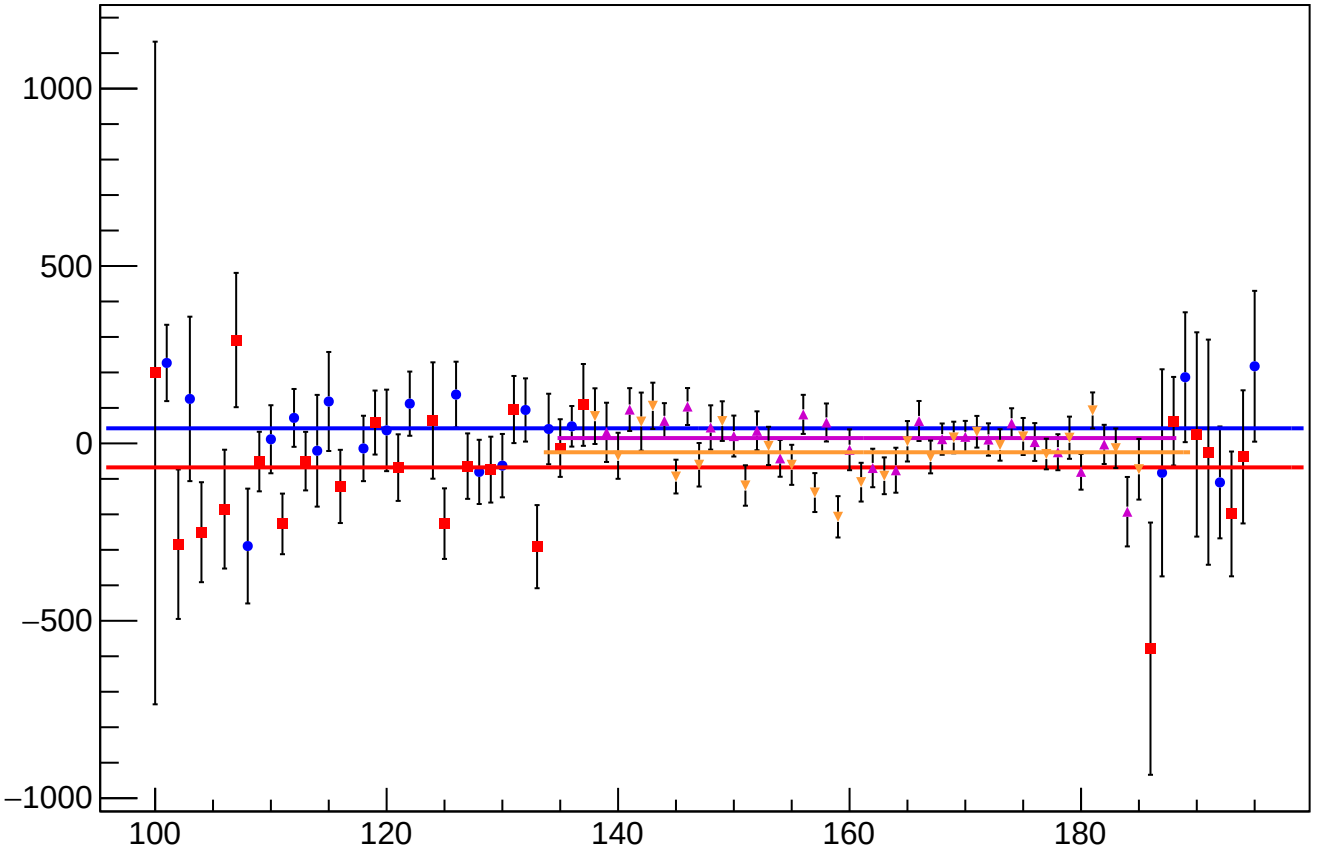
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467836.2/44

All: 290.862+/-0.030 χ^2/NDF: 22258271.7/92

- sign 289.889+/-0.043 χ^2/NDF: 11789395.0/47

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: -67.607+/-23.365 χ^2/NDF: 29.1/24

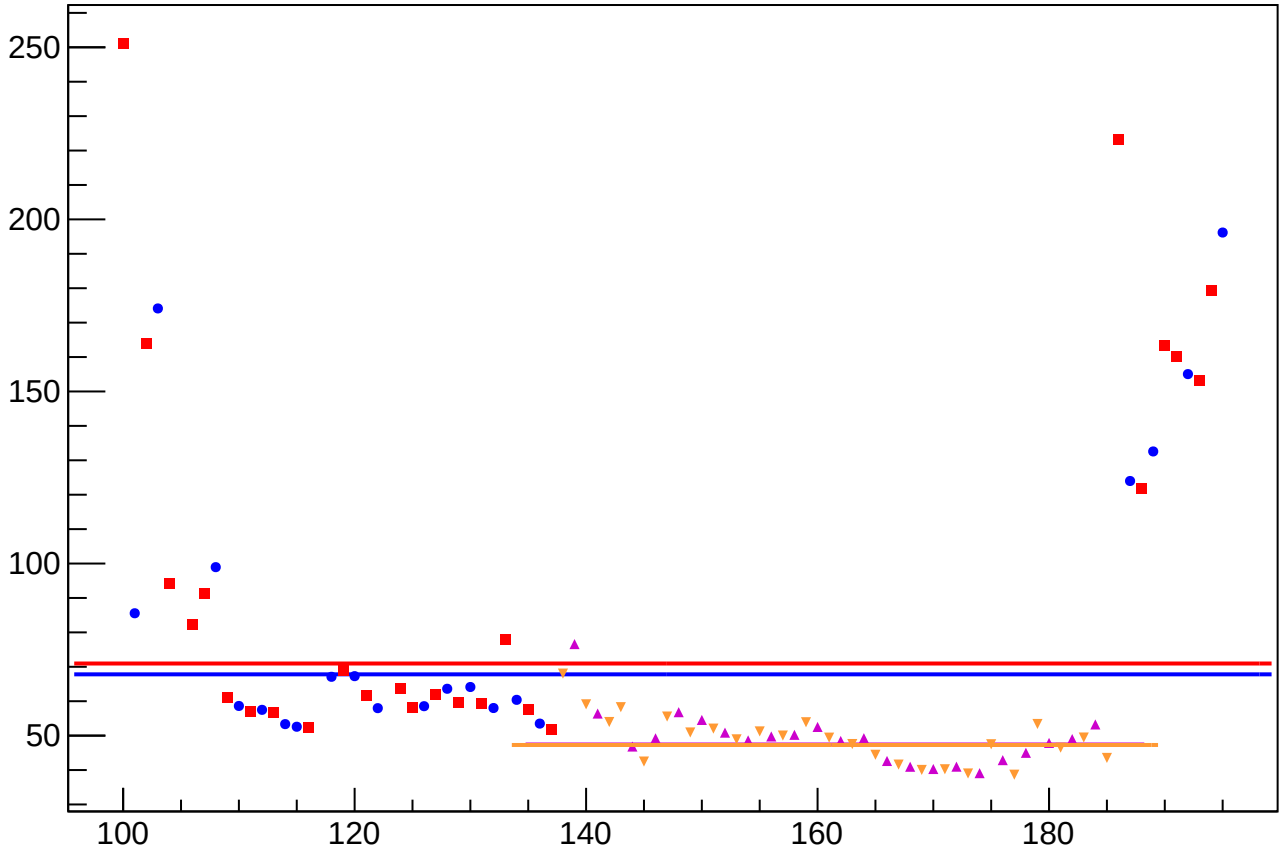
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.053+/-9.879 χ^2/NDF: 65.9/44

All: -6.914+/-7.067 χ^2/NDF: 130.7/92

- sign -0.481+/-10.113 χ^2/NDF: 64.0/47

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

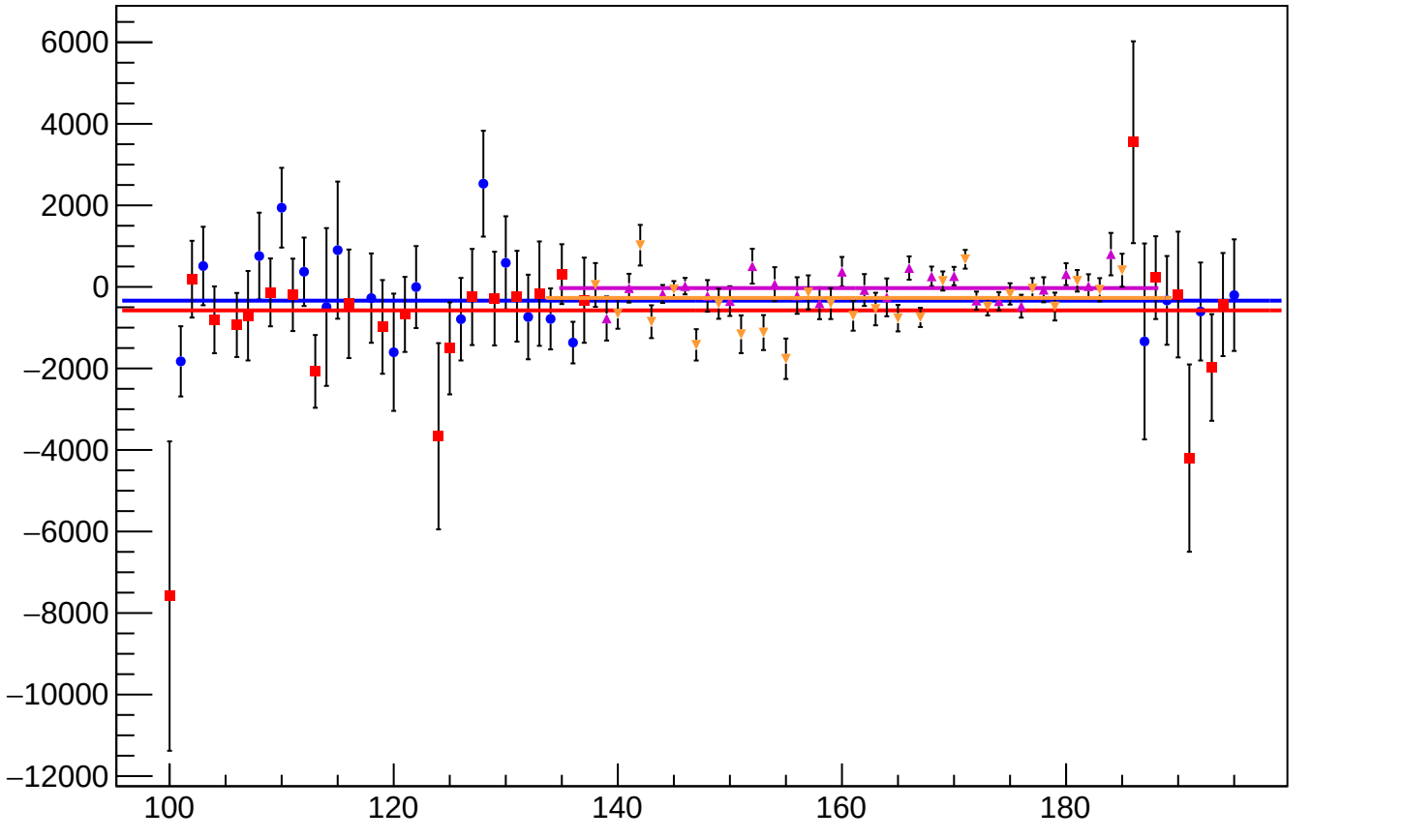
Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.910+/-0.007 χ^2/NDF: 4491981.9/44

All: 51.361+/-0.005 χ^2/NDF: 9980833.6/92

- sign 51.833+/-0.007 χ^2/NDF: 5480332.9/47



Right In: -337.543+/-224.588 χ^2/NDF: 22.9/19

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

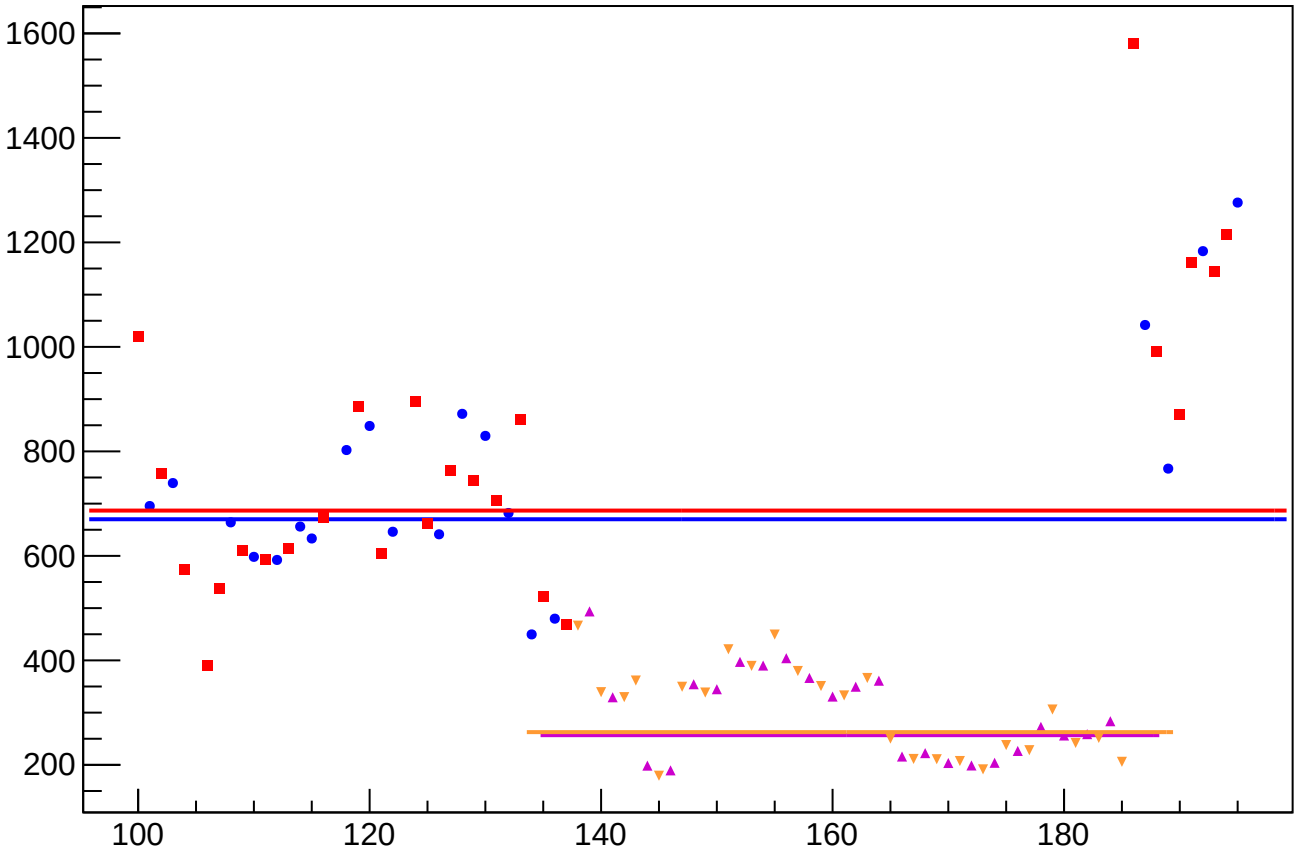
Right Out: -576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.786+/-60.074 χ^2/NDF: 96.9/44

All: -173.760+/-42.528 χ^2/NDF: 152.3/92

- sign -71.259+/-60.214 χ^2/NDF: 49.5/47



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: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

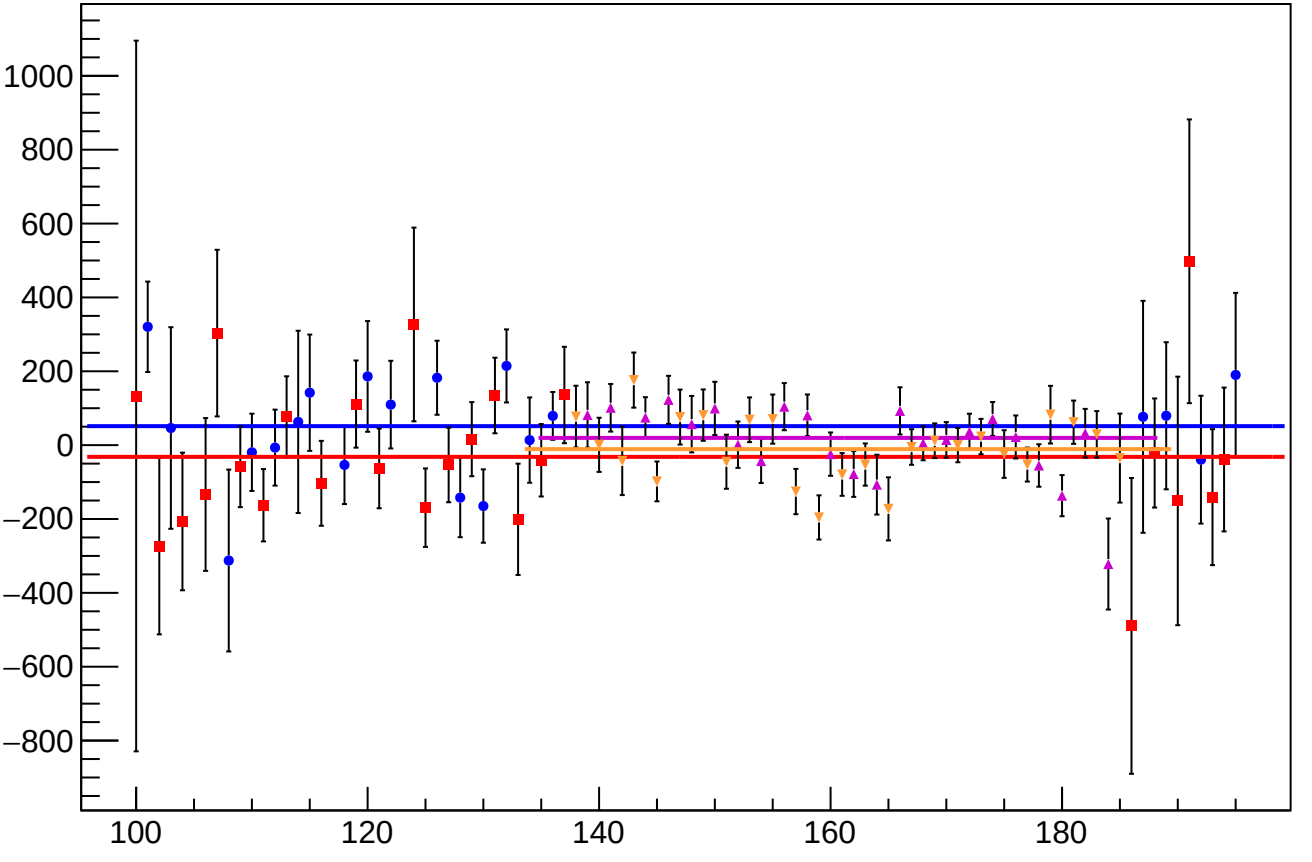
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 291.830+/-0.042 χ^2/NDF: 10467836.2/44

All: 290.862+/-0.030 χ^2/NDF: 22258271.7/92

- sign 289.889+/-0.043 χ^2/NDF: 11789395.0/47

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: -31.752+/-27.524 χ^2/NDF: 22.2/24

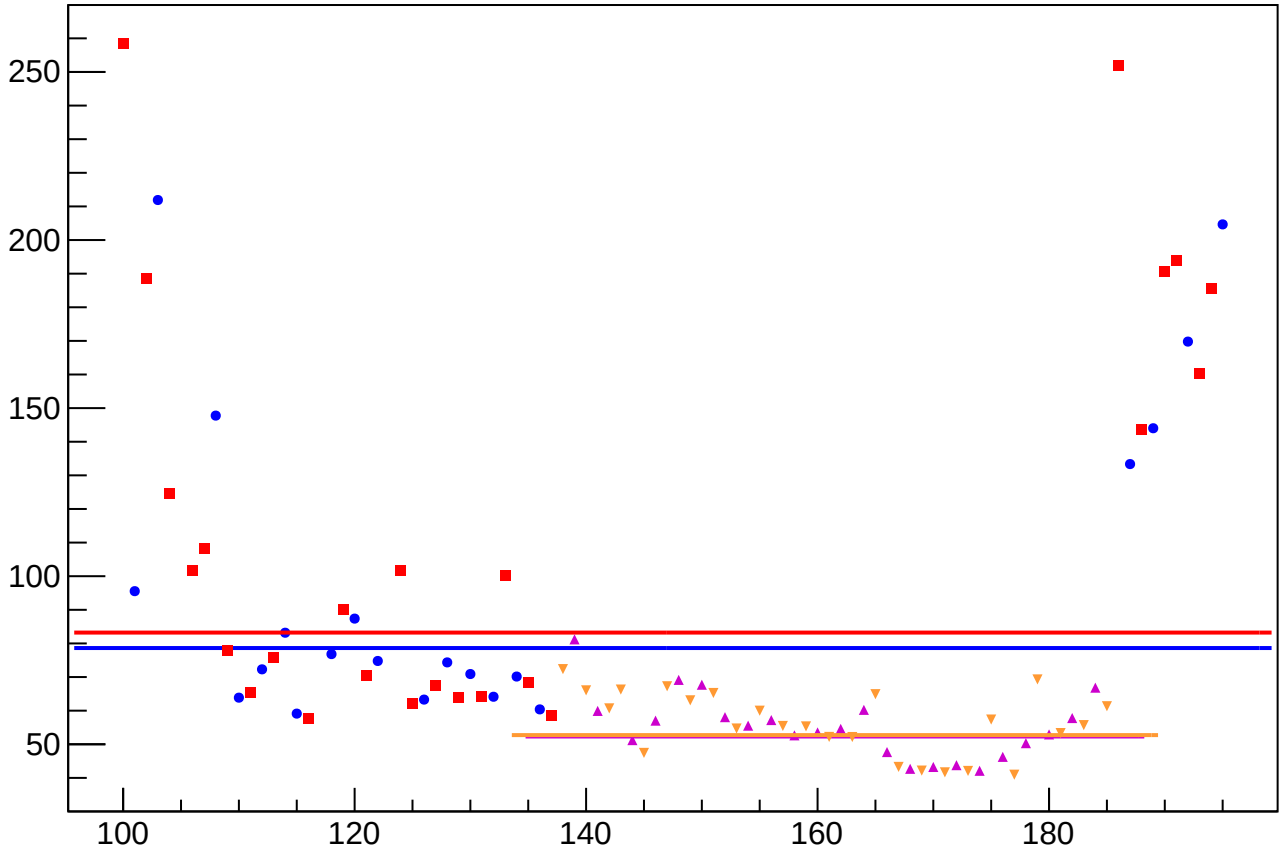
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.345+/-11.223 χ^2/NDF: 68.3/44

All: 5.115+/-8.003 χ^2/NDF: 130.6/92

- sign 10.764+/-11.416 χ^2/NDF: 61.9/47

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

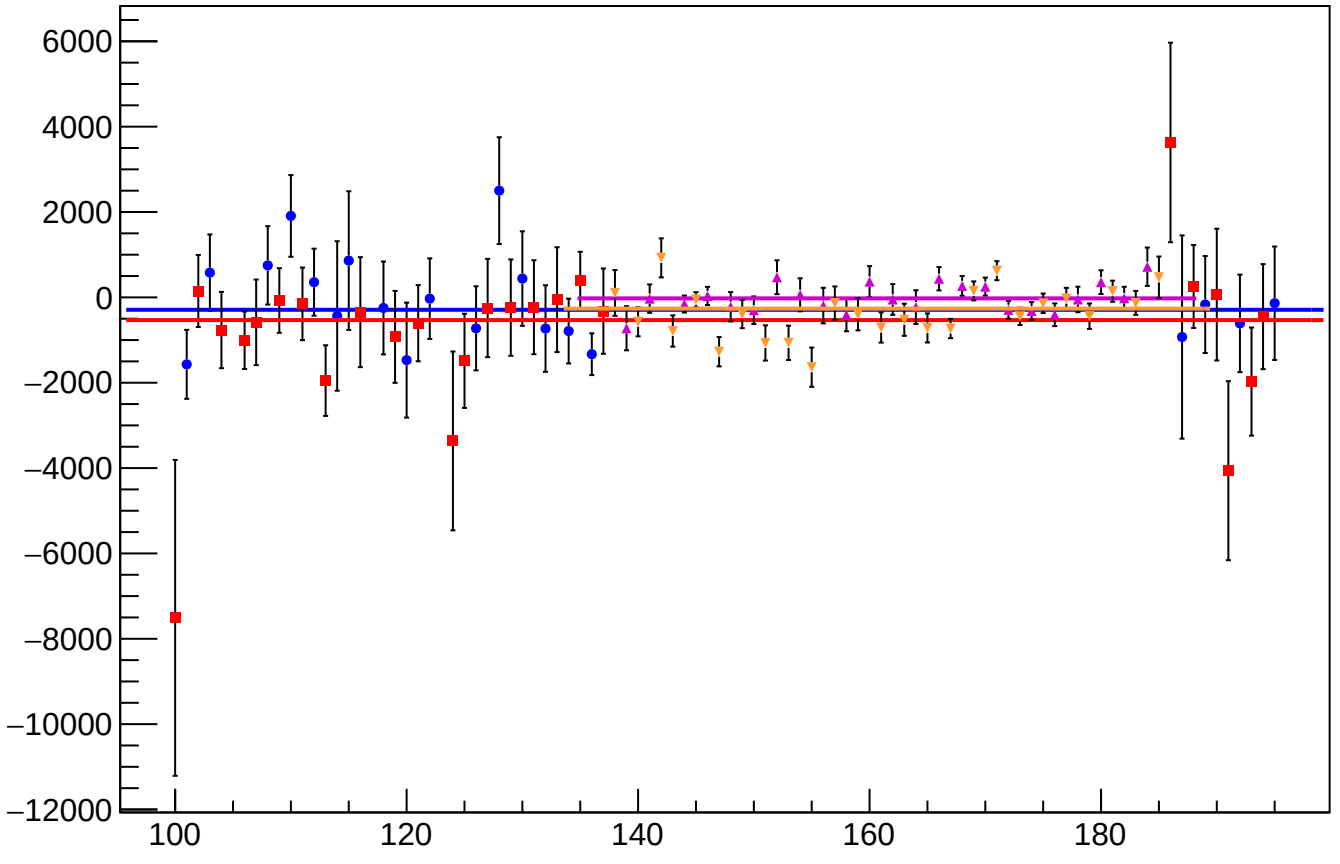
Right Out: 83.229+/-0.019 χ^2/NDF: 3197462.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 57.089+/-0.008 χ^2/NDF: 5167858.8/44

All: 57.356+/-0.006 χ^2/NDF: 11348637.4/92

- sign 57.632+/-0.008 χ^2/NDF: 6178481.4/47



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: -532.305+/-205.565 χ^2/NDF: 21.4/24

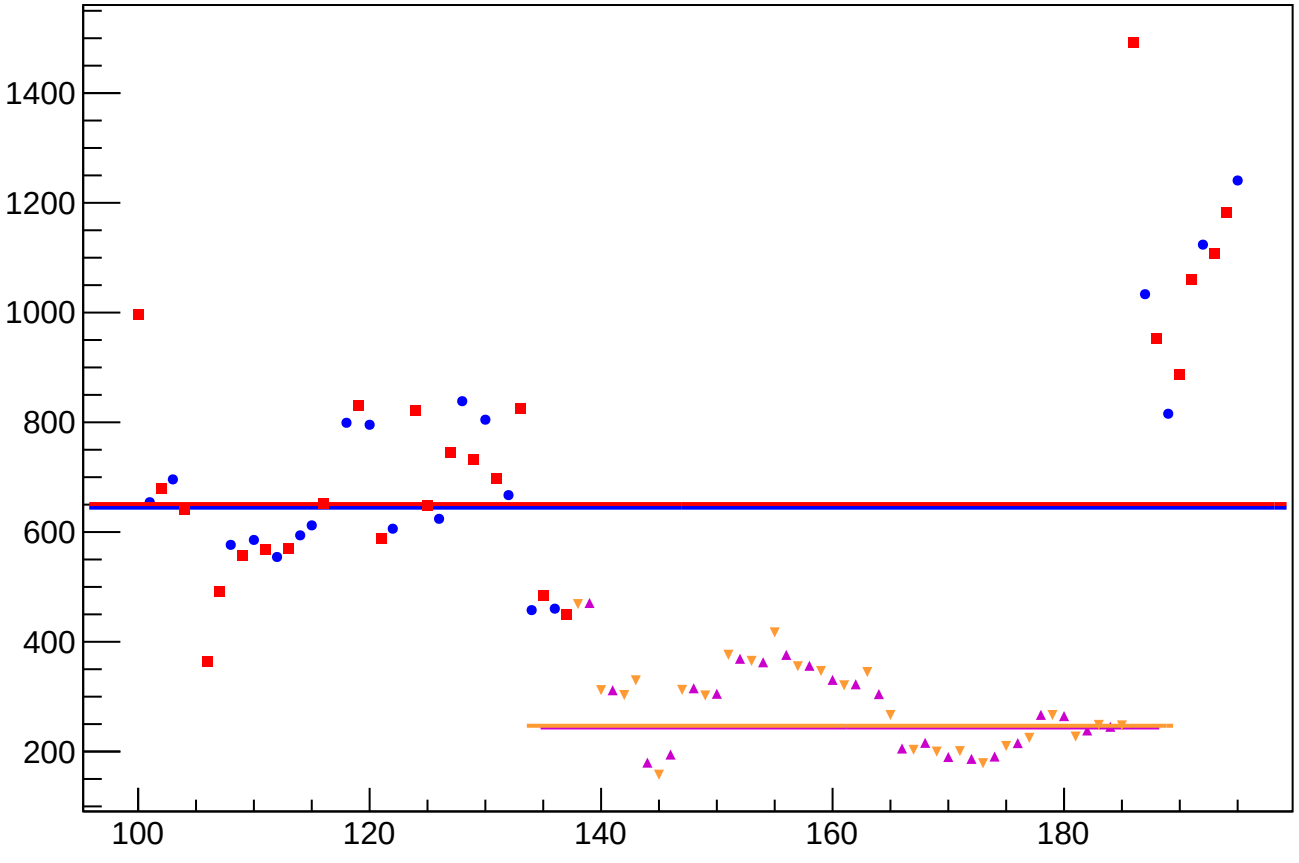
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.538+/-56.455 χ^2/NDF: 95.2/44

All: -164.687+/-40.133 χ^2/NDF: 152.7/92

- sign -62.678+/-57.062 χ^2/NDF: 51.2/47

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: 651.018+/-0.145 χ^2/NDF: 2060910.3/24

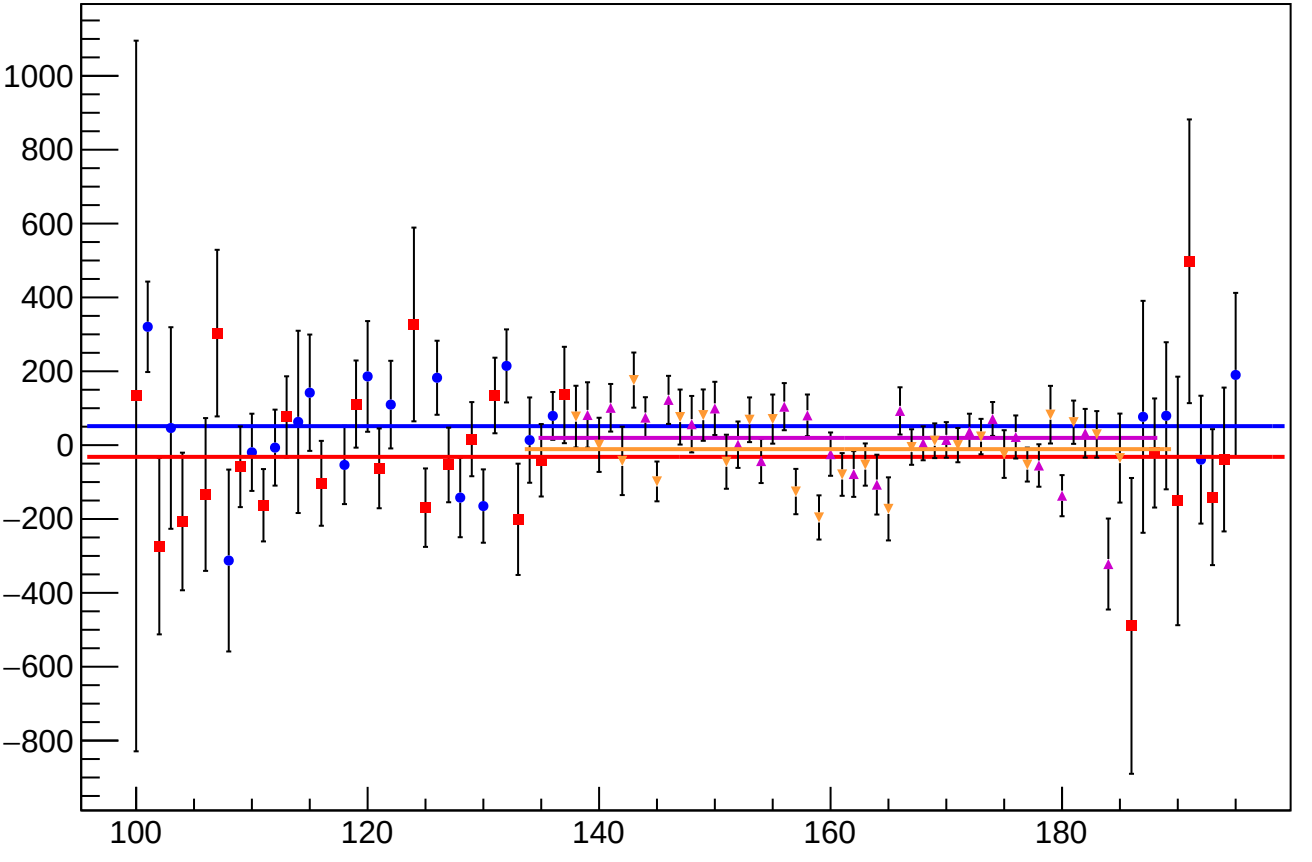
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 274.303+/-0.040 χ^2/NDF: 10741376.5/44

All: 274.747+/-0.028 χ^2/NDF: 22535952.7/92

- sign 275.201+/-0.040 χ^2/NDF: 11794325.4/47

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: -31.751+/-27.524 χ^2/NDF: 22.2/24

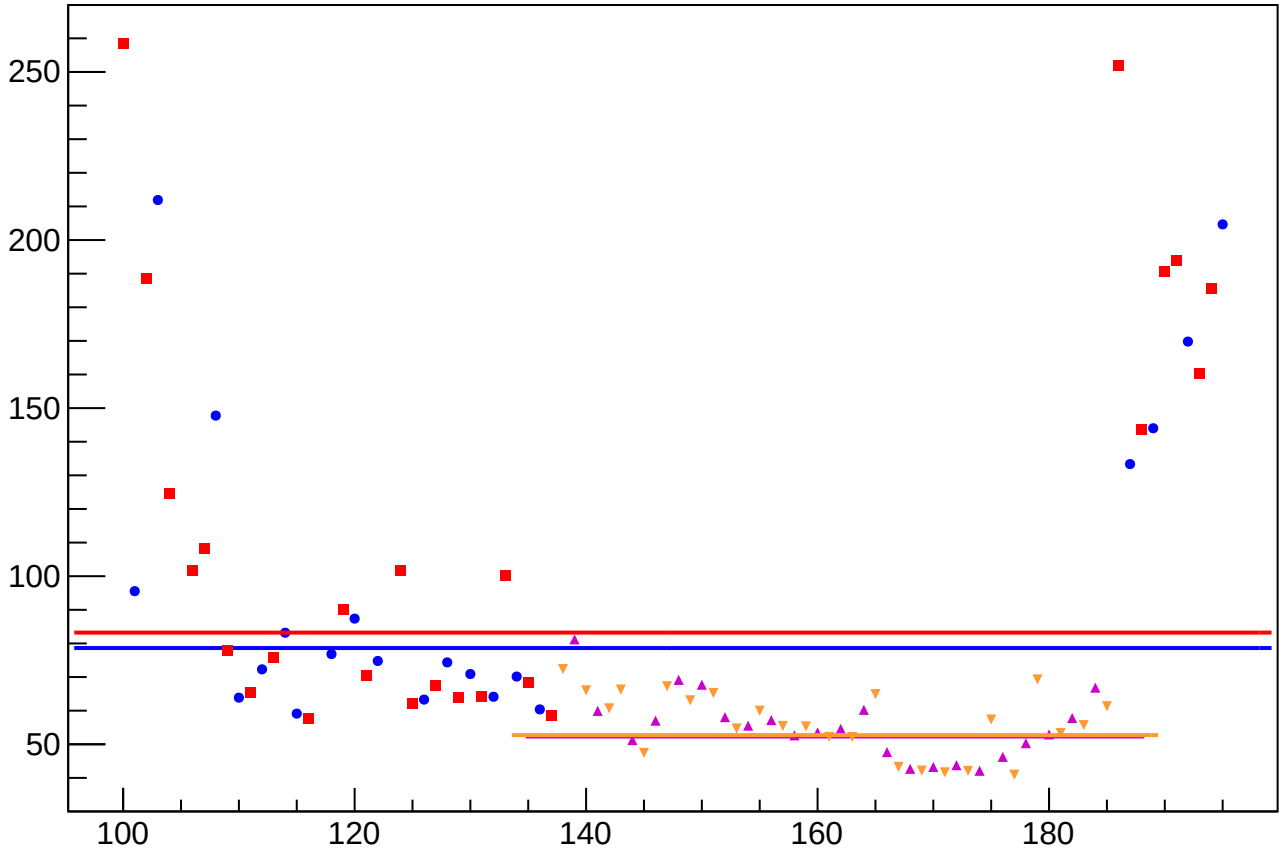
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.345+/-11.223 χ^2/NDF: 68.3/44

All: 5.115+/-8.003 χ^2/NDF: 130.6/92

- sign 10.764+/-11.416 χ^2/NDF: 61.9/47

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

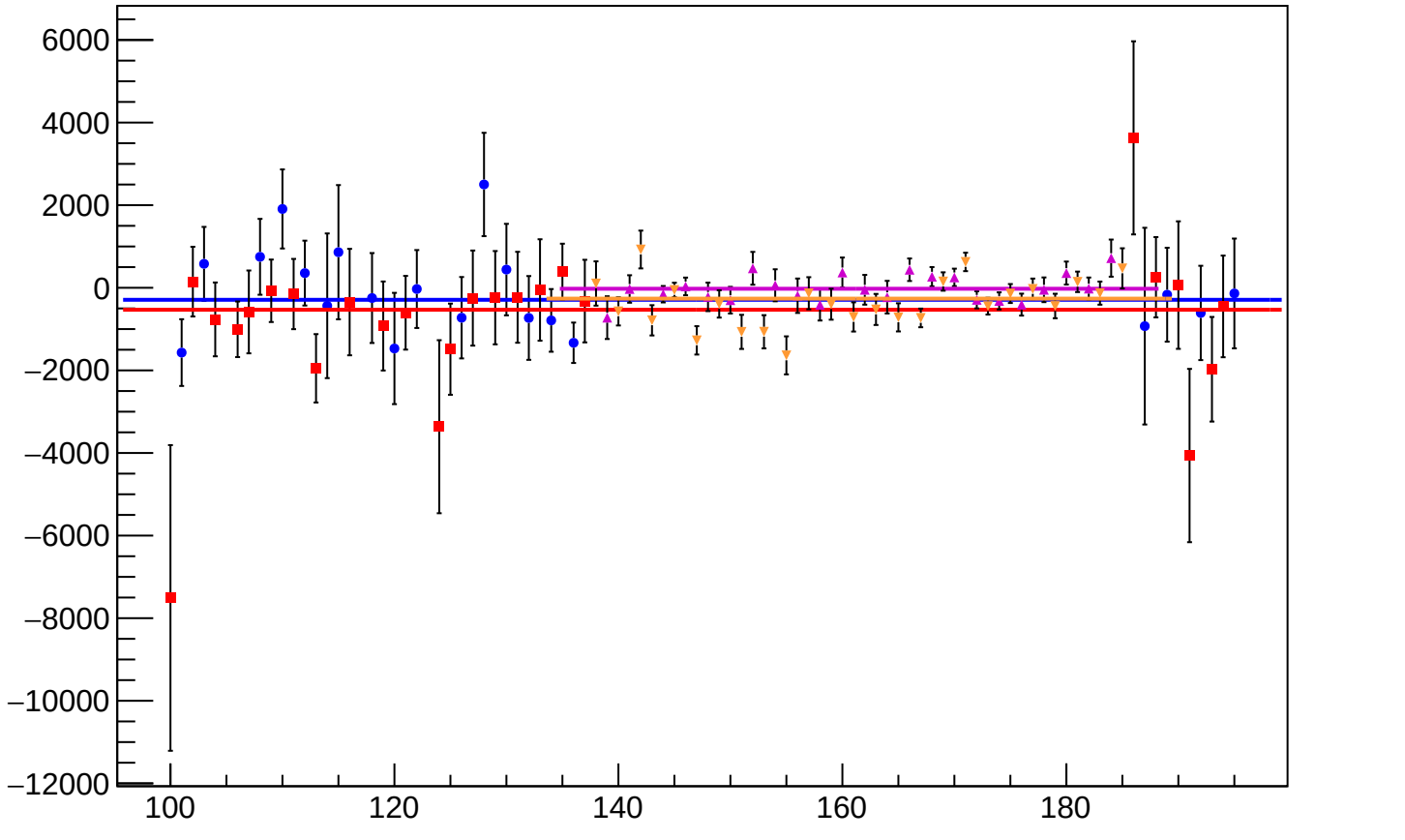
Right Out: 83.229+/-0.019 χ^2/NDF: 3197464.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 57.090+/-0.008 χ^2/NDF: 5167882.0/44

All: 57.356+/-0.006 χ^2/NDF: 11348653.7/92

- sign 57.632+/-0.008 χ^2/NDF: 6178474.6/47



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: -532.305+/-205.564 χ^2/NDF: 21.4/24

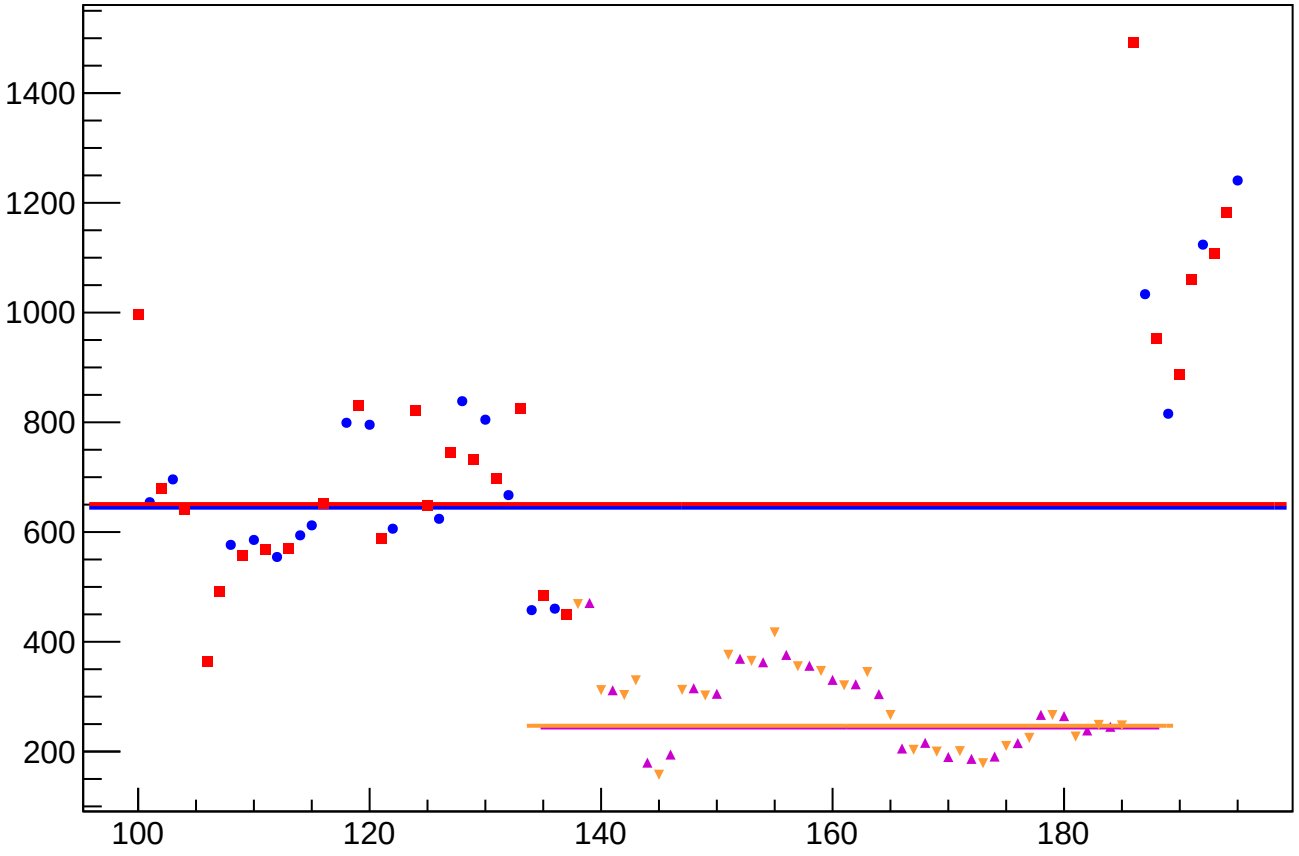
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.538+/-56.455 χ^2/NDF: 95.2/44

All: -164.687+/-40.133 χ^2/NDF: 152.7/92

- sign -62.677+/-57.062 χ^2/NDF: 51.2/47

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: 651.018+/-0.145 χ^2/NDF: 2060902.3/24

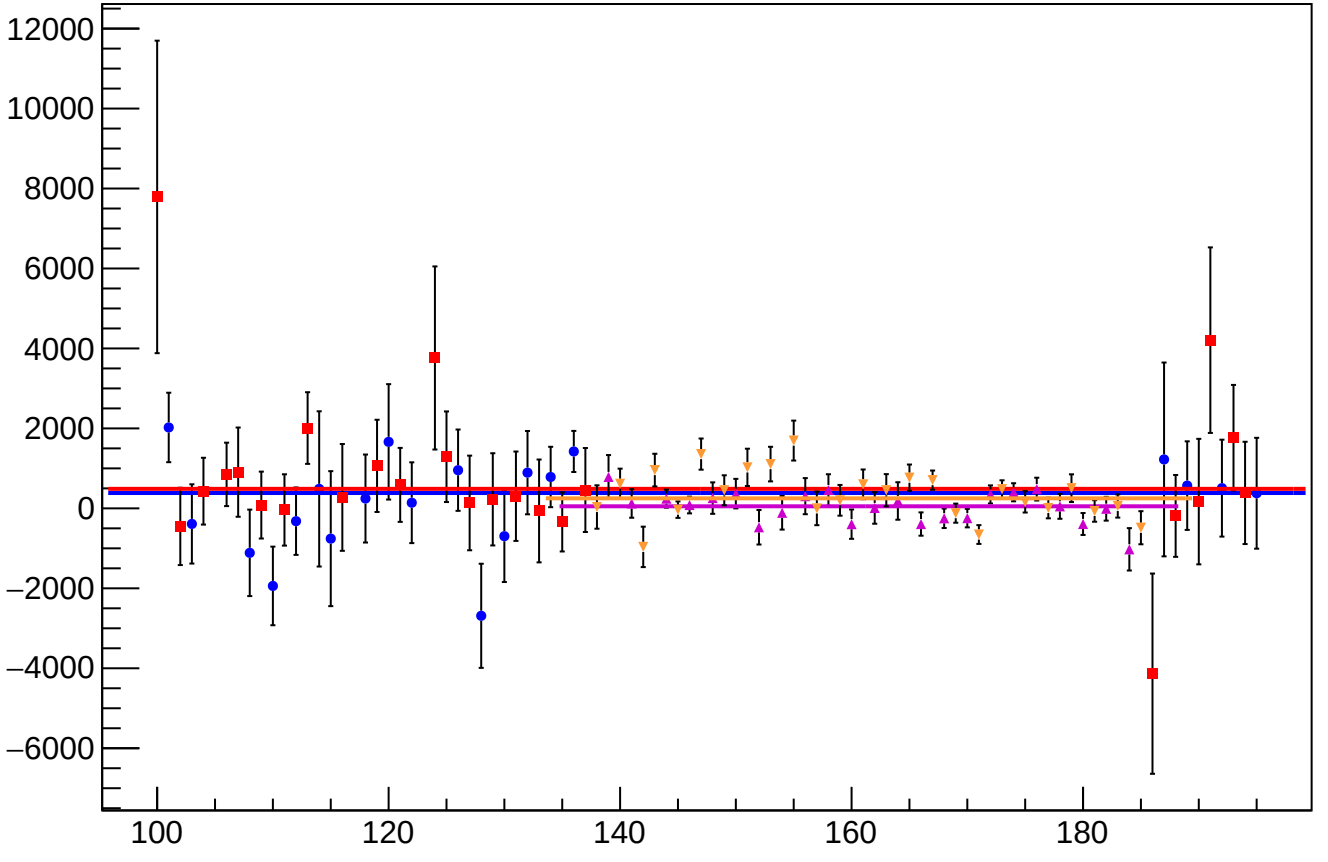
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 274.302+/-0.040 χ^2/NDF: 10741365.1/44

All: 274.747+/-0.028 χ^2/NDF: 22535931.2/92

- sign 275.201+/-0.040 χ^2/NDF: 11794315.4/47

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: 488.302+/-219.051 χ^2/NDF: 20.1/24

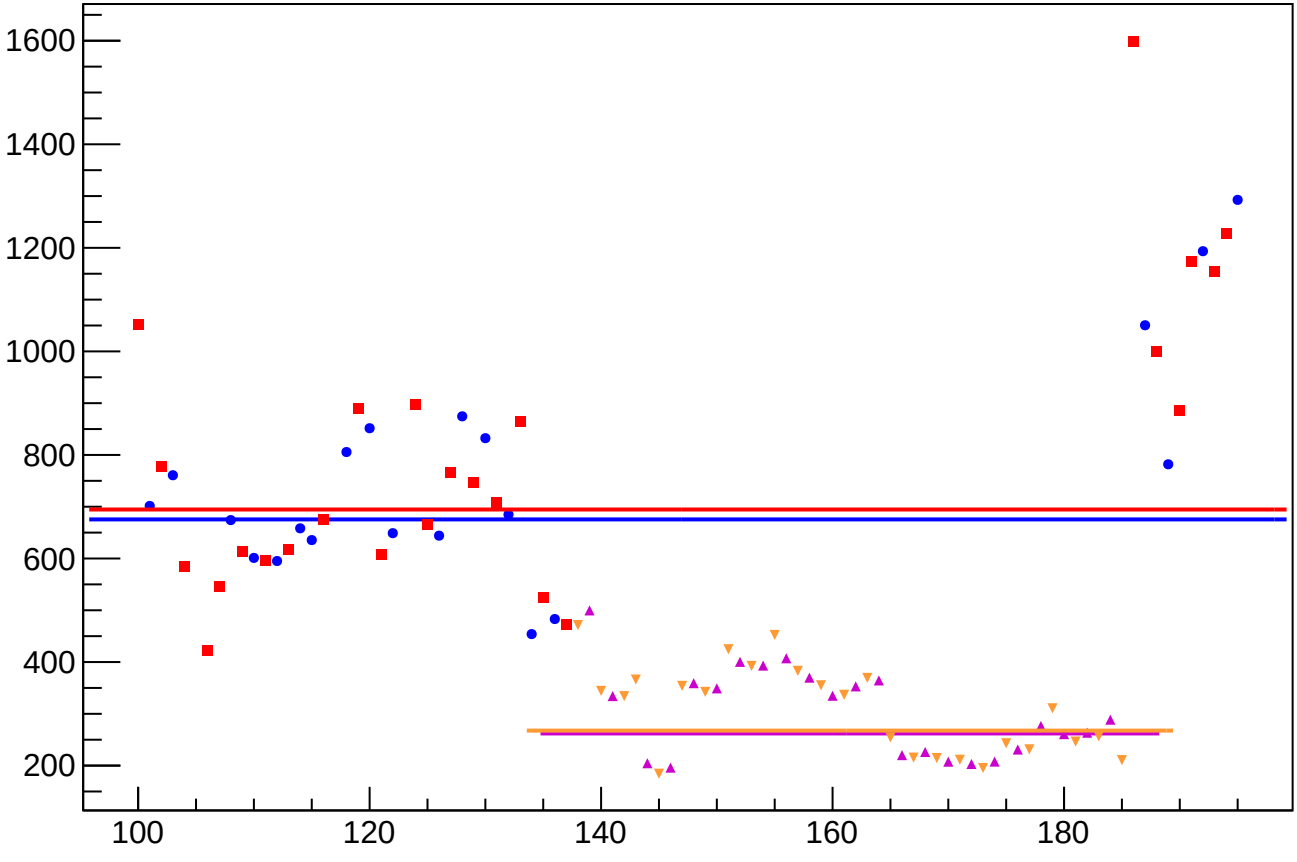
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 260.772+/-61.073 χ^2/NDF: 93.1/44

All: 173.645+/-43.263 χ^2/NDF: 147.7/92

- sign 85.890+/-61.293 χ^2/NDF: 50.6/47

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

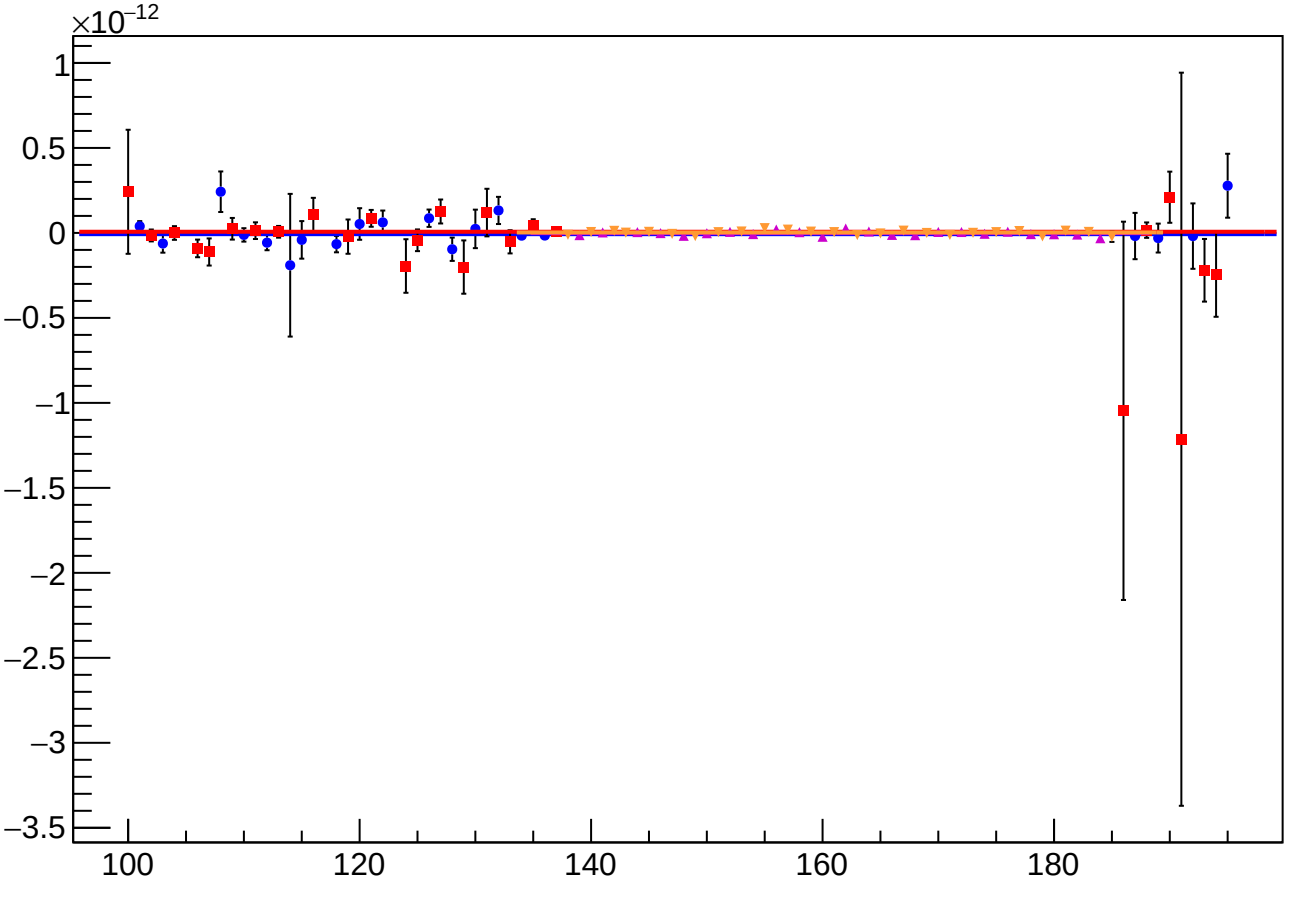
Right Out: 694.632+/-0.155 χ^2/NDF: 1872425.4/24

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 297.262+/-0.043 χ^2/NDF: 10292568.8/44

All: 296.612+/-0.031 χ^2/NDF: 21890495.2/92

- sign 295.958+/-0.043 χ^2/NDF: 11597471.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

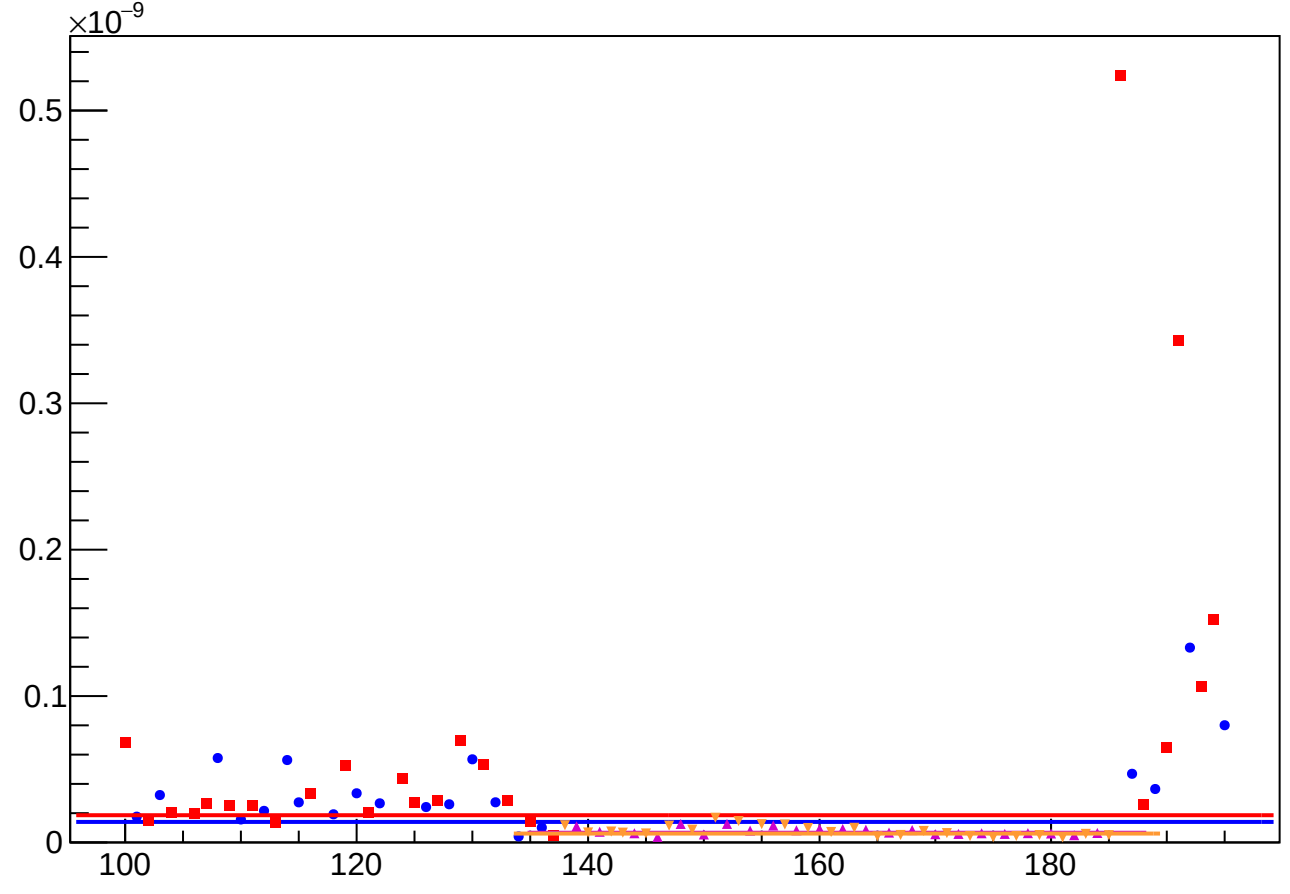
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/24

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: 78.6/92

- sign -0.000+/-0.000 χ^2/NDF: 38.4/47



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: 3410641.7/24

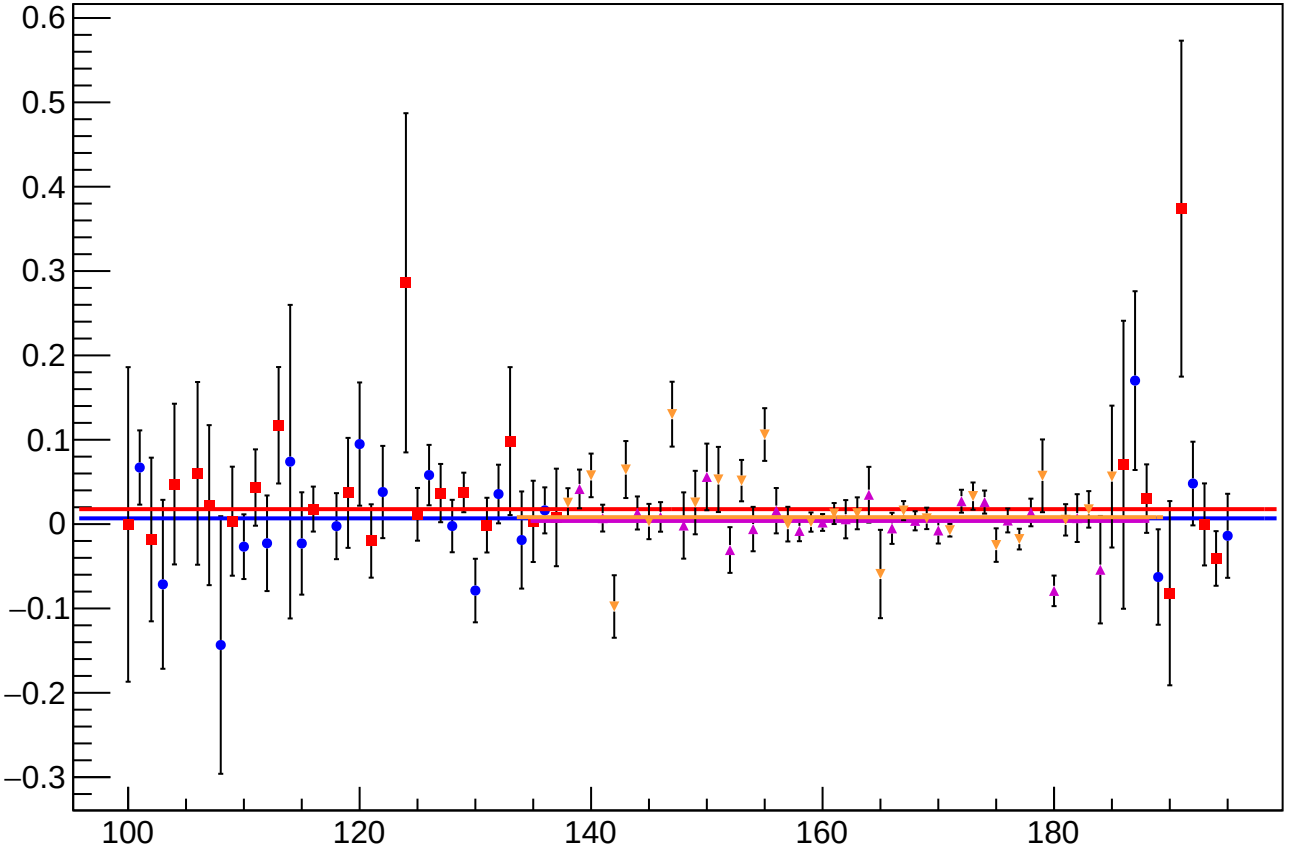
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7158516.5/44

All: 0.000+/-0.000 χ^2/NDF: 14017333.4/92

- sign 0.000+/-0.000 χ^2/NDF: 6782162.1/47

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: 0.018+/-0.009 χ^2/NDF: 15.5/24

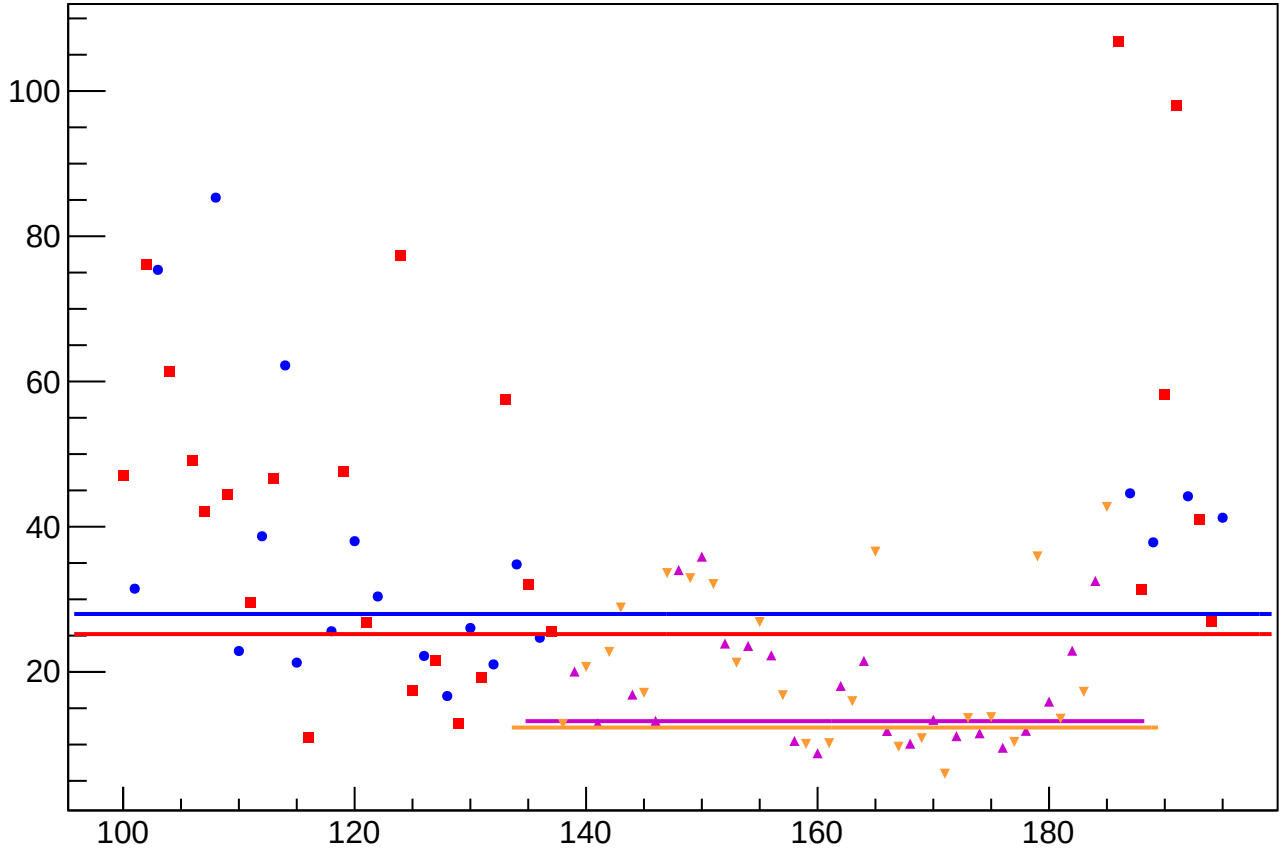
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.4/92

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47

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

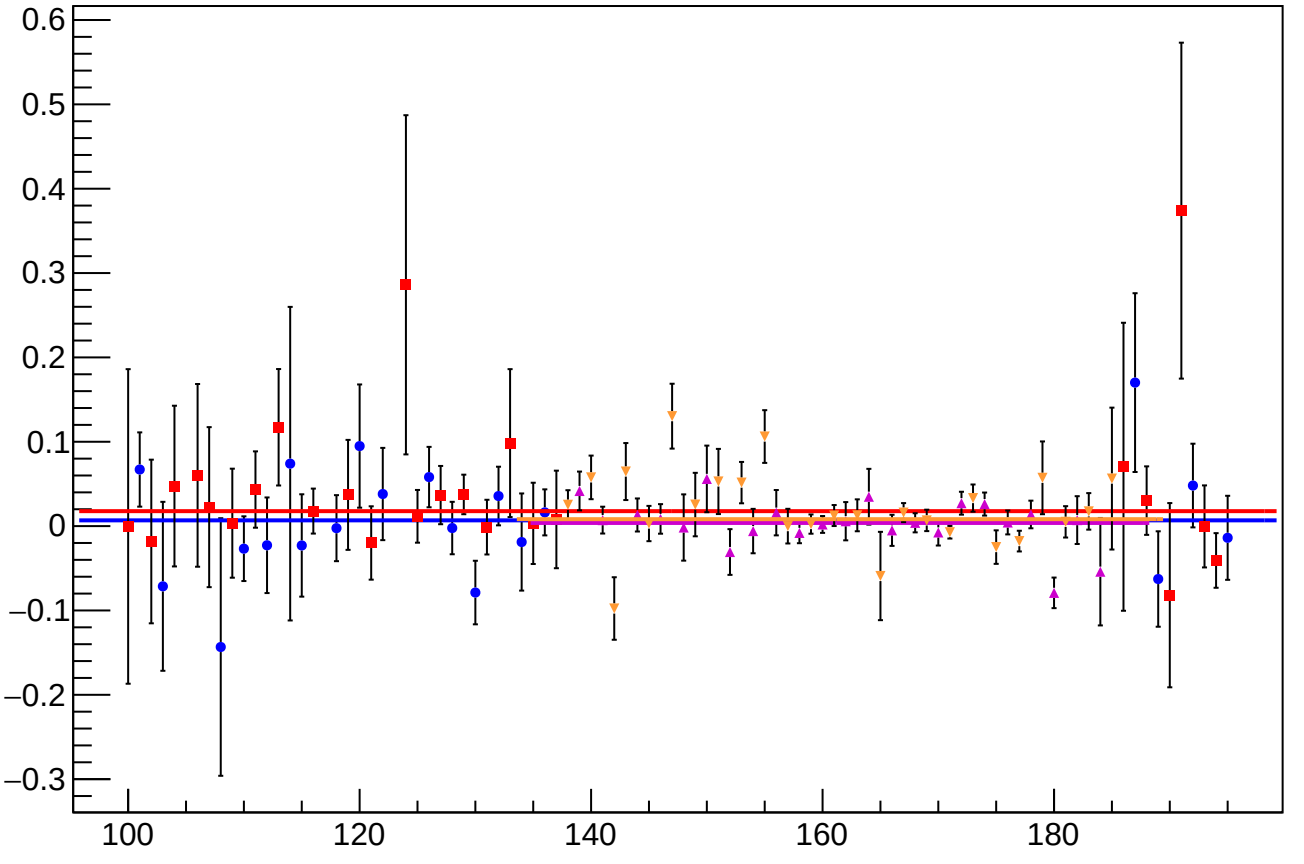
Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.909+/-0.002 χ^2/NDF: 12762861.4/44

All: 14.324+/-0.002 χ^2/NDF: 24114512.2/92

\- sign 14.768+/-0.002 χ^2/NDF: 11285194.5/47



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: 0.018+/-0.009 χ^2/NDF: 15.5/24

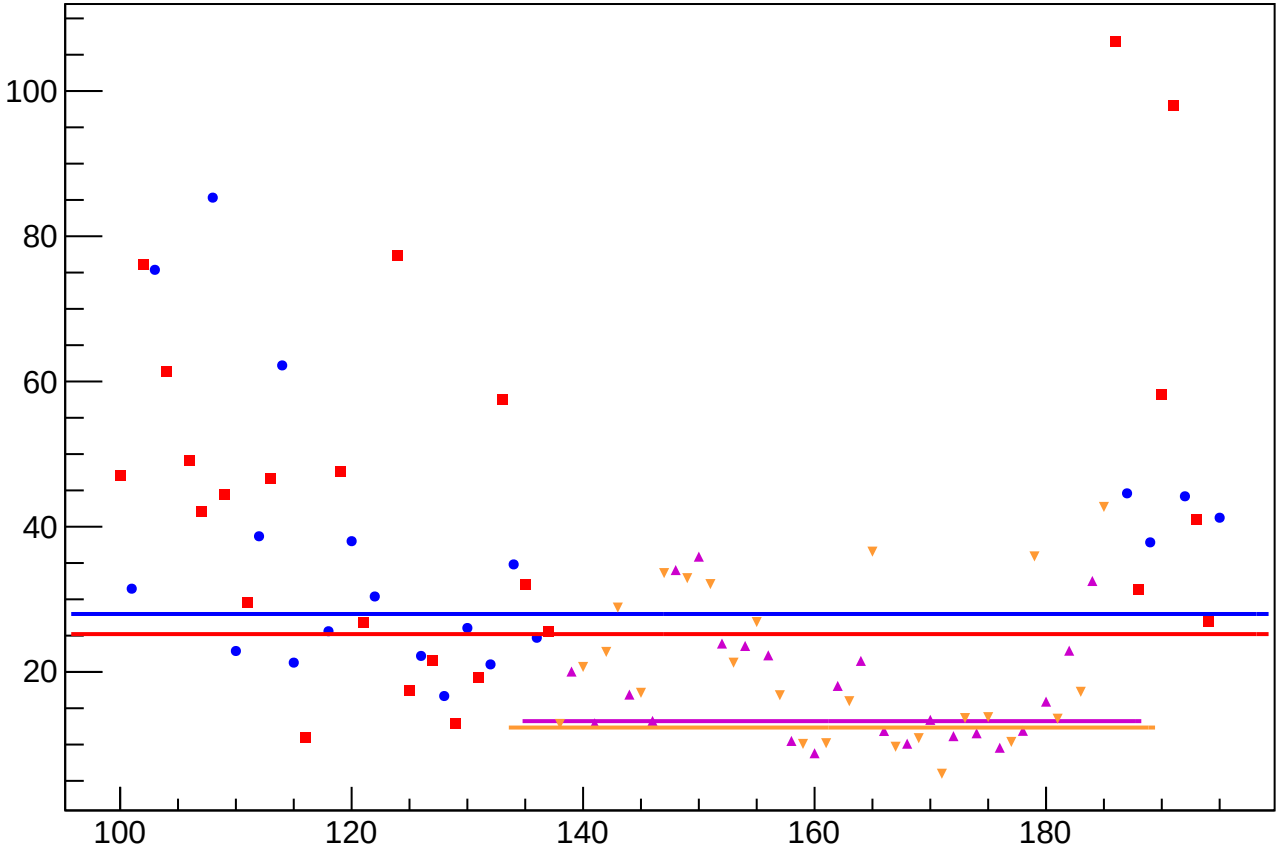
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/44

All: 0.007+/-0.002 χ^2/NDF: 133.4/92

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47

asym_sam_37_dd_dit_vs_eigen_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

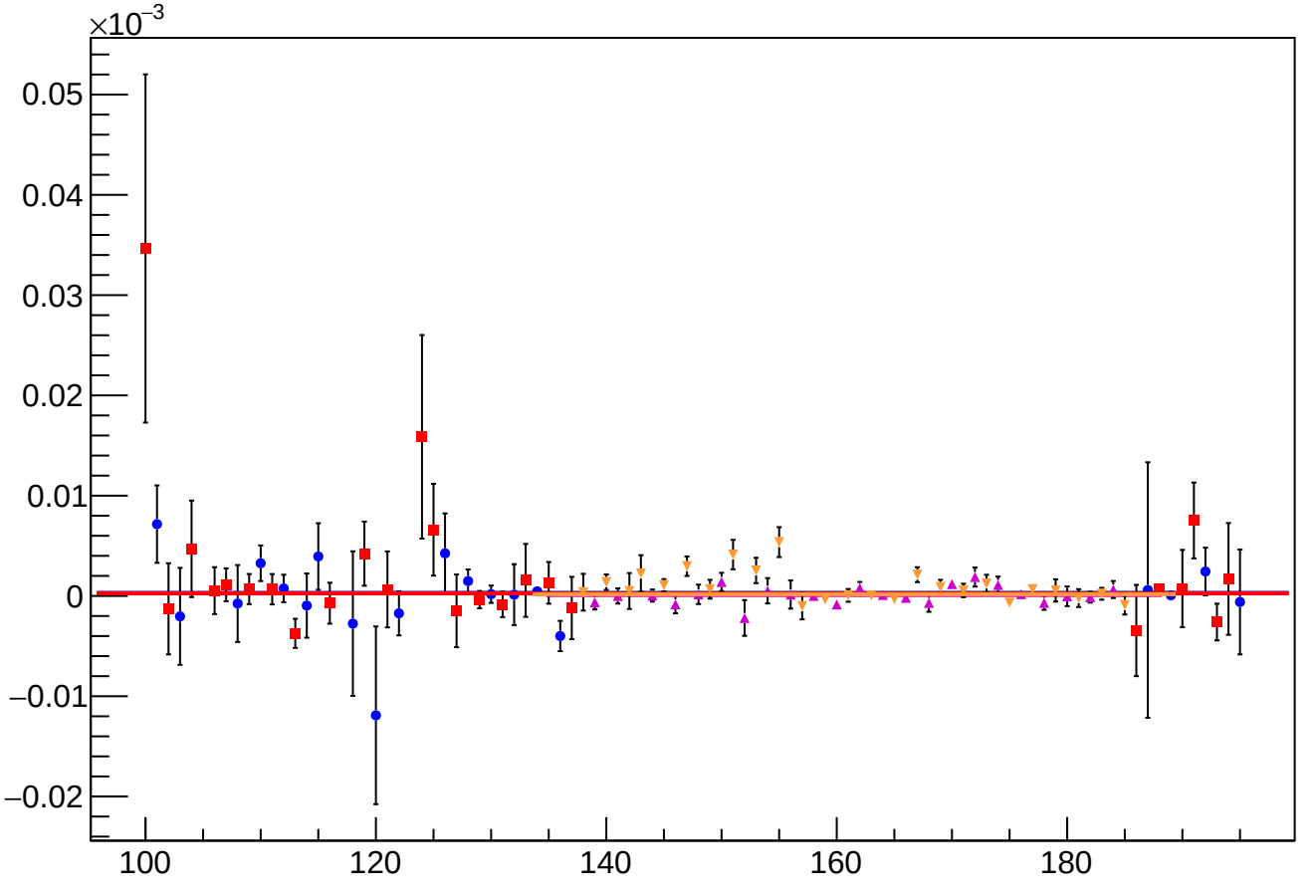
Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.909+/-0.002 χ^2/NDF: 12762861.4/44

All: 14.324+/-0.002 χ^2/NDF: 24114512.2/92

- sign 14.768+/-0.002 χ^2/NDF: 11285194.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

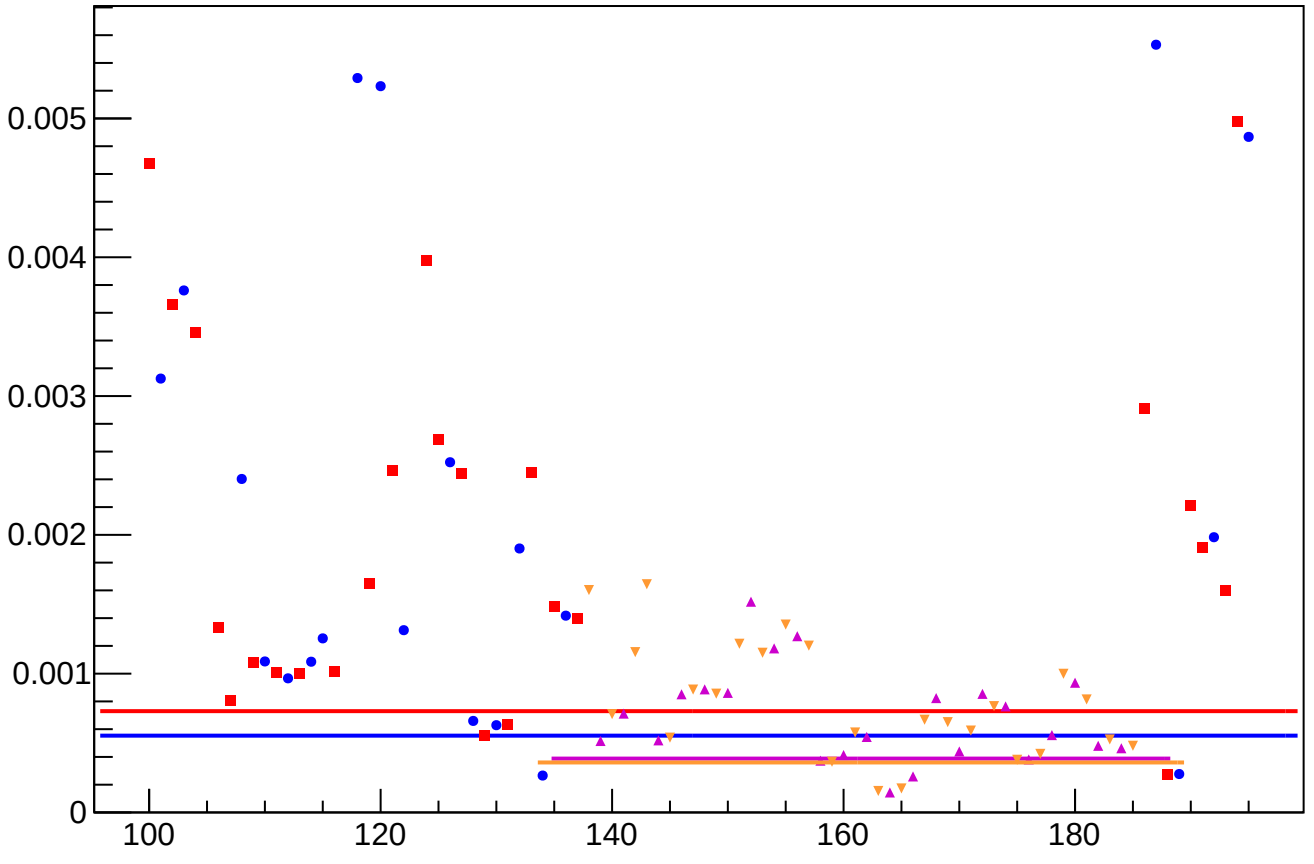
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/24

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: 137.6/92

- sign 0.000+/-0.000 χ^2/NDF: 53.6/47



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: 8999126.3/24

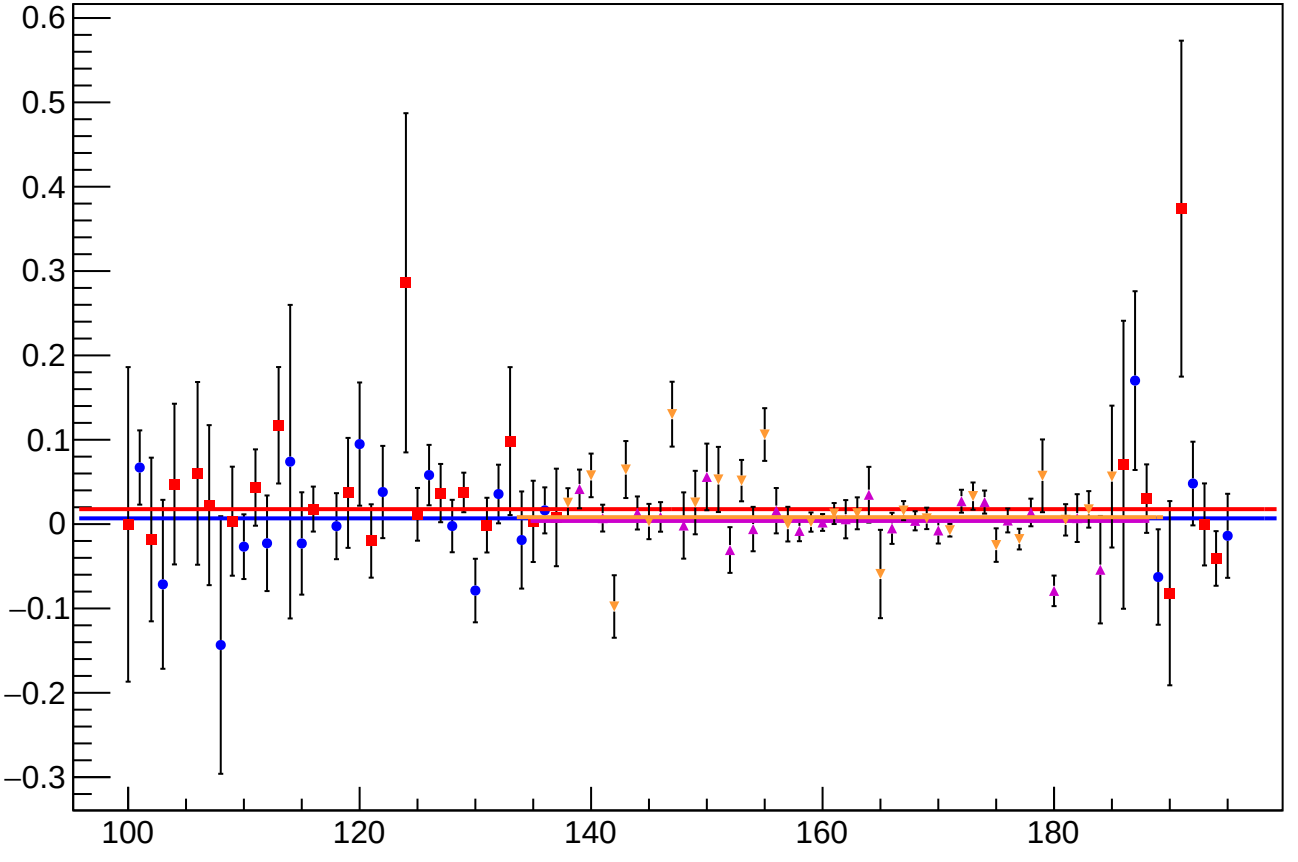
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 24672436.1/44

All: 0.000+/-0.000 χ^2/NDF: 46383828.9/92

- sign 0.000+/-0.000 χ^2/NDF: 21543999.4/47

asym_sam_37_dd_eigen_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

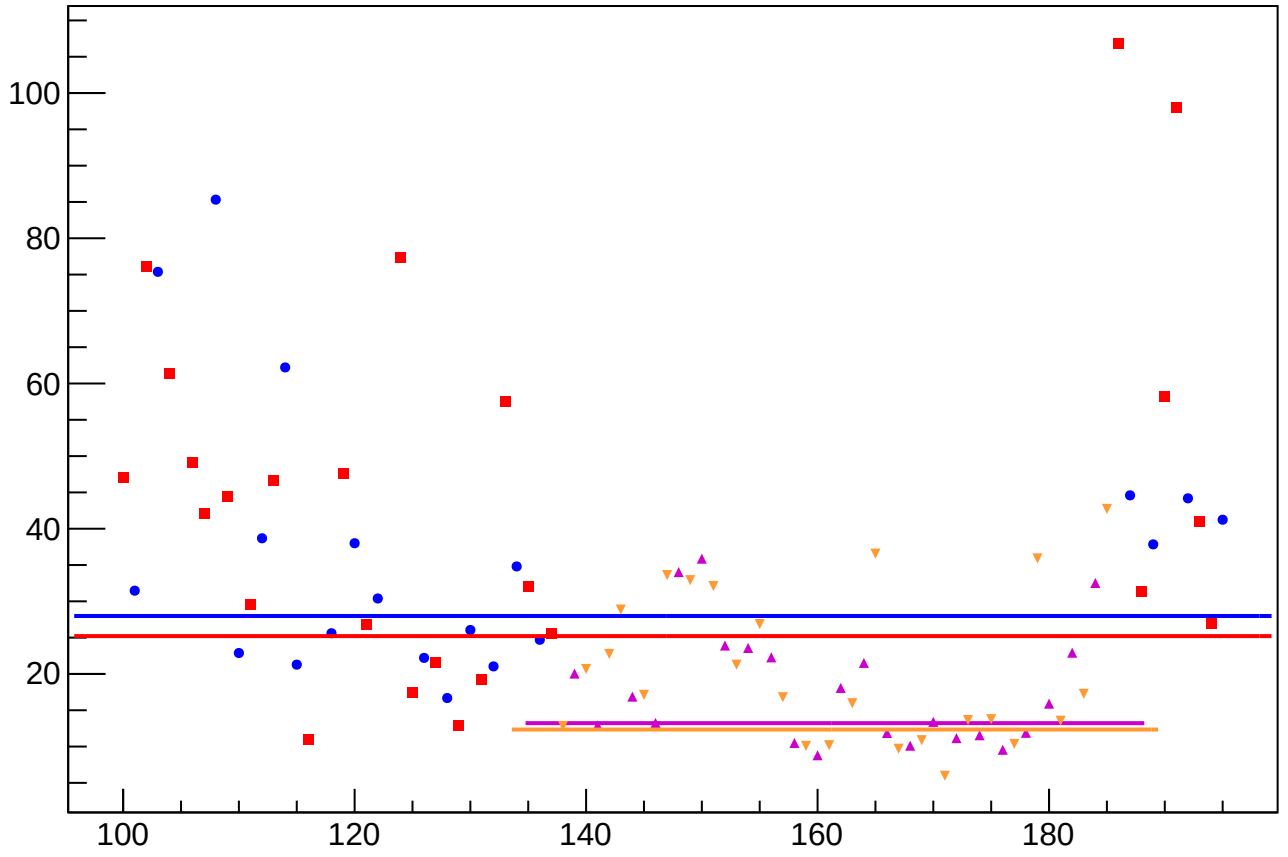
Right Out: 0.018+/-0.009 χ^2/NDF: 15.4/24

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: 133.4/92

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

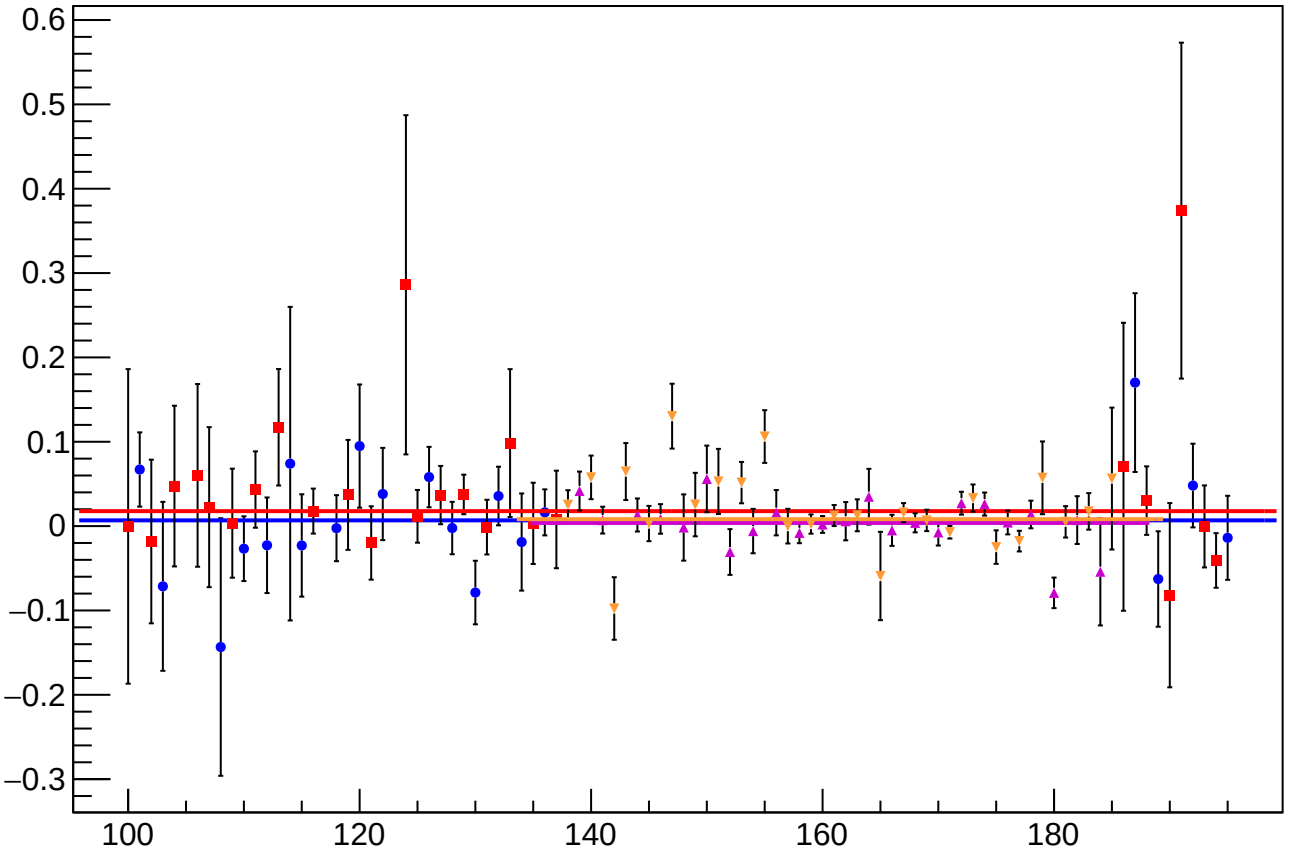
Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.909+/-0.002 χ^2/NDF: 12763113.5/44

All: 14.324+/-0.002 χ^2/NDF: 24114849.7/92

- sign 14.769+/-0.002 χ^2/NDF: 11285284.2/47



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

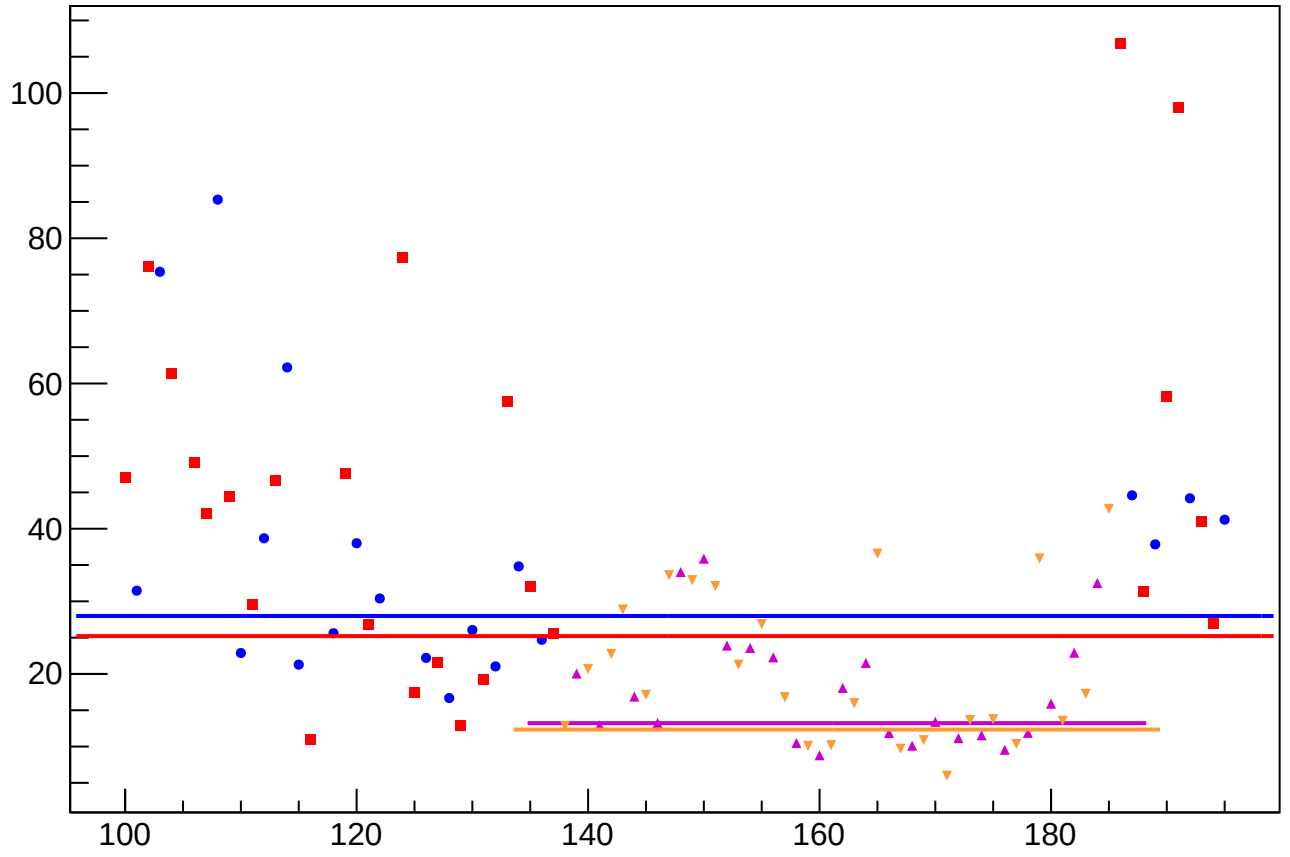
Right Out: 0.018+/-0.009 χ^2/NDF: 15.4/24

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: 133.4/92

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

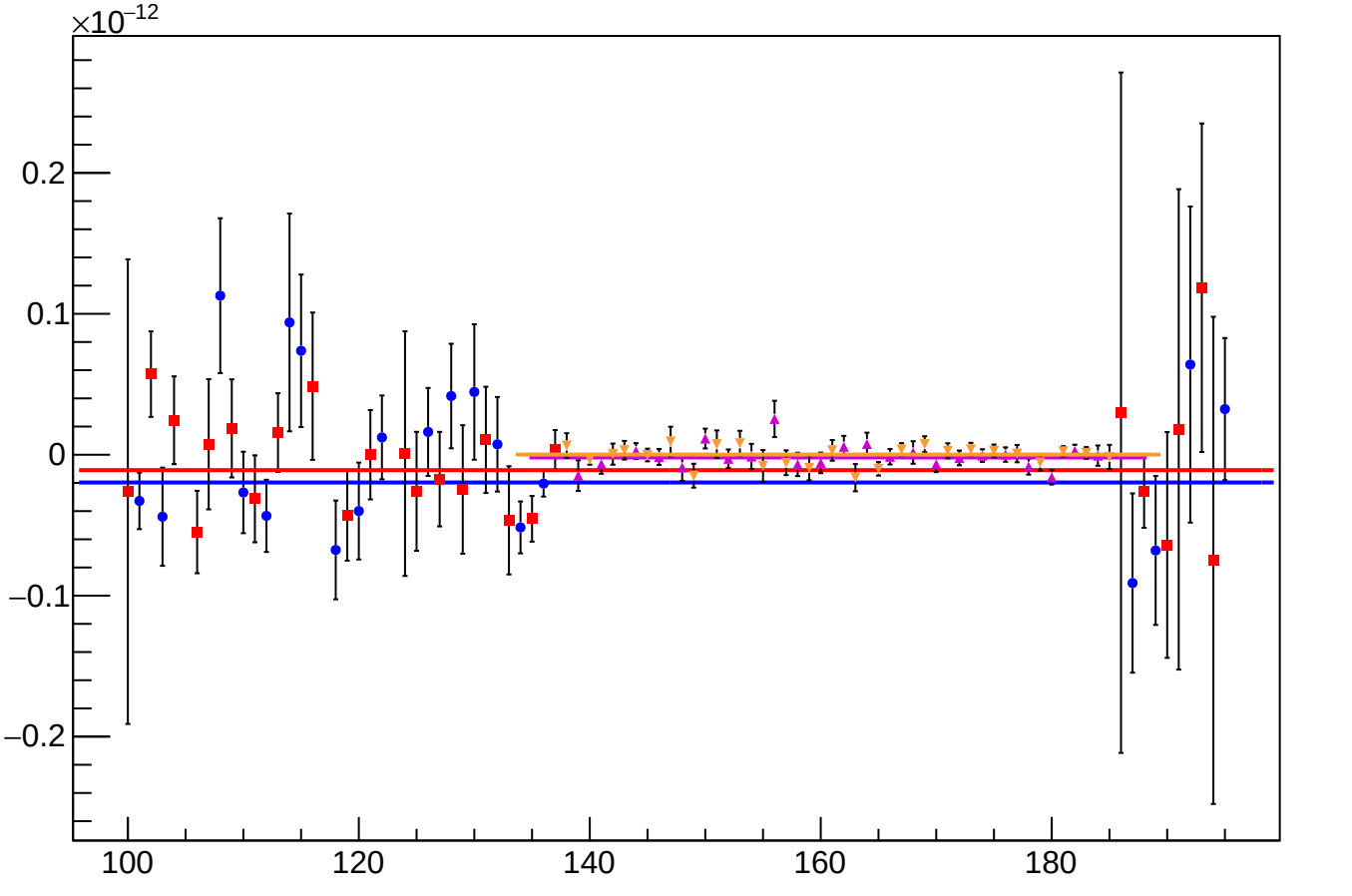
Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.909+/-0.002 χ^2/NDF: 12763113.5/44

All: 14.324+/-0.002 χ^2/NDF: 24114849.7/92

- sign 14.769+/-0.002 χ^2/NDF: 11285284.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

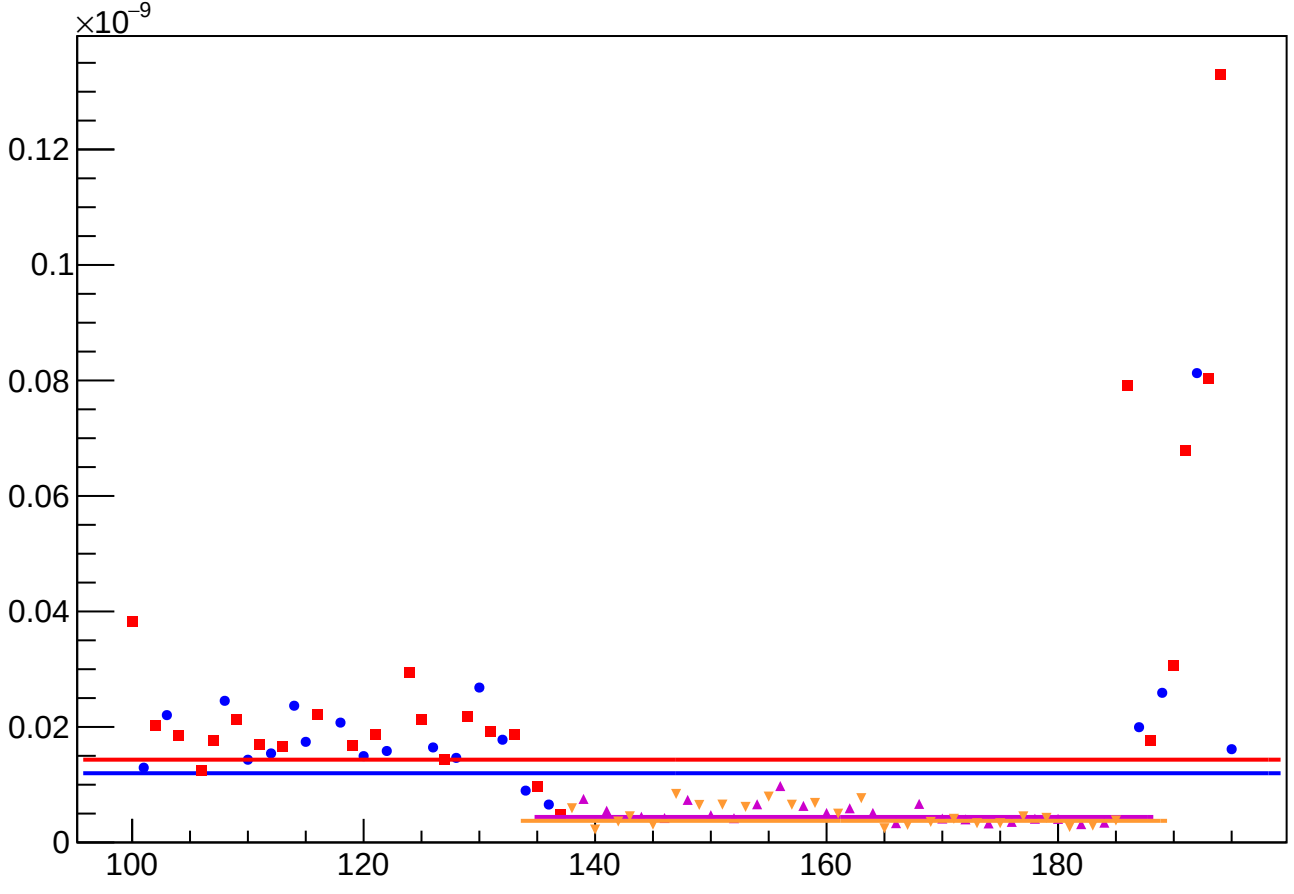
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/24

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: 112.4/92

- sign -0.000+/-0.000 χ^2/NDF: 49.8/47



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: 3750757.3/24

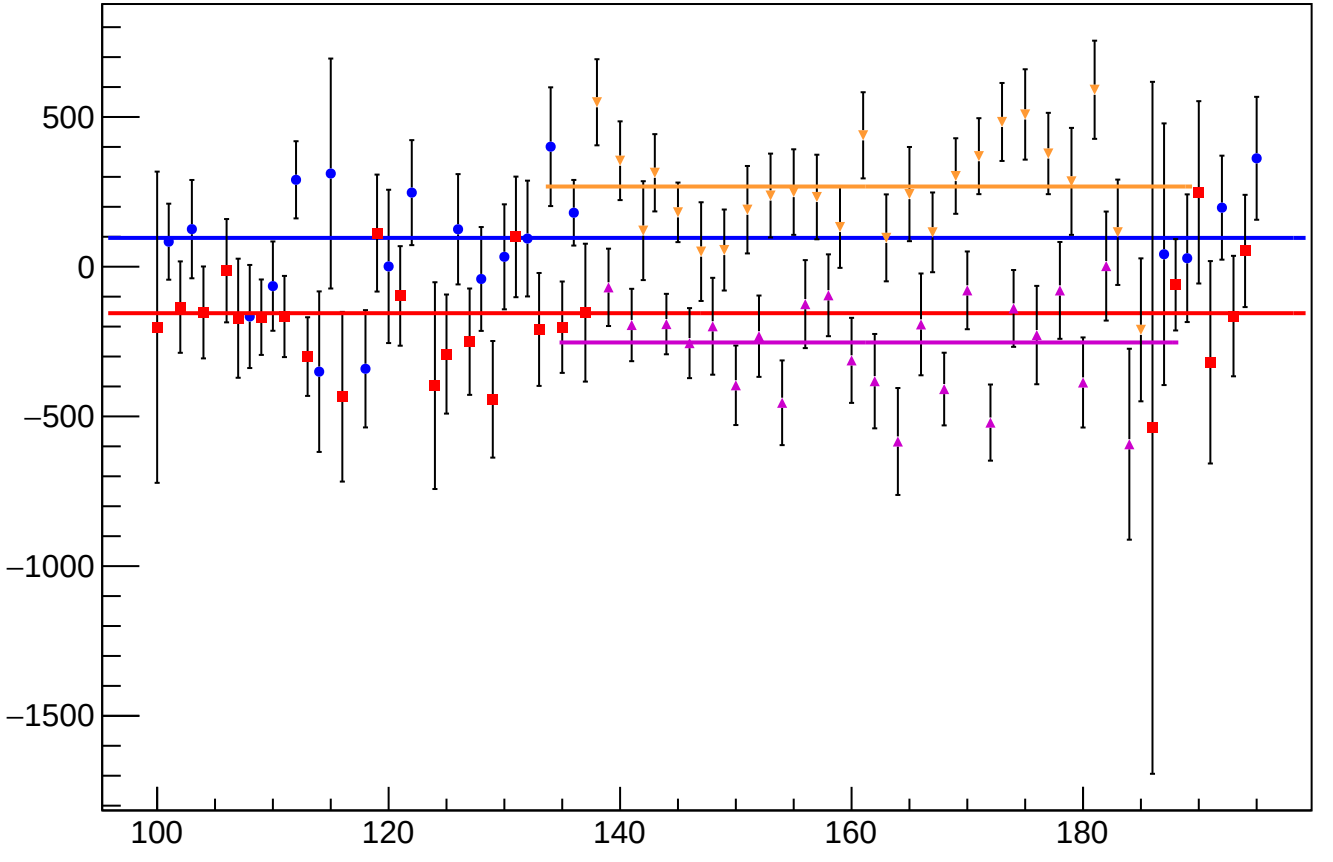
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9380643.8/44

All: 0.000+/-0.000 χ^2/NDF: 19715048.1/92

- sign 0.000+/-0.000 χ^2/NDF: 9948759.9/47

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: -155.244+/-37.244 χ^2/NDF: 13.8/24

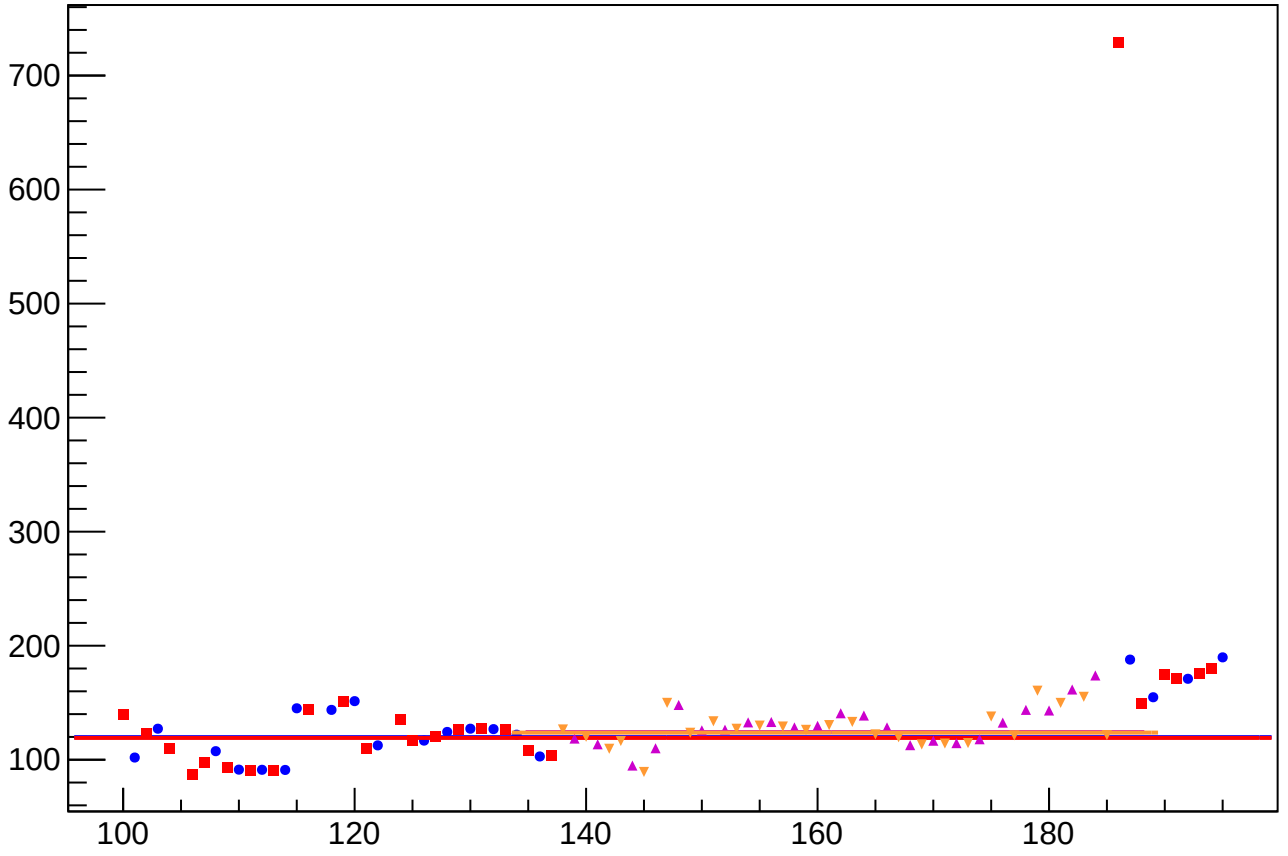
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 208.895+/-23.023 χ^2/NDF: 64.1/44

All: -3.264+/-16.284 χ^2/NDF: 278.3/92

- sign -215.637+/-23.034 χ^2/NDF: 44.3/47

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: 119.143+/-0.026 χ^2/NDF: 1598932.5/24

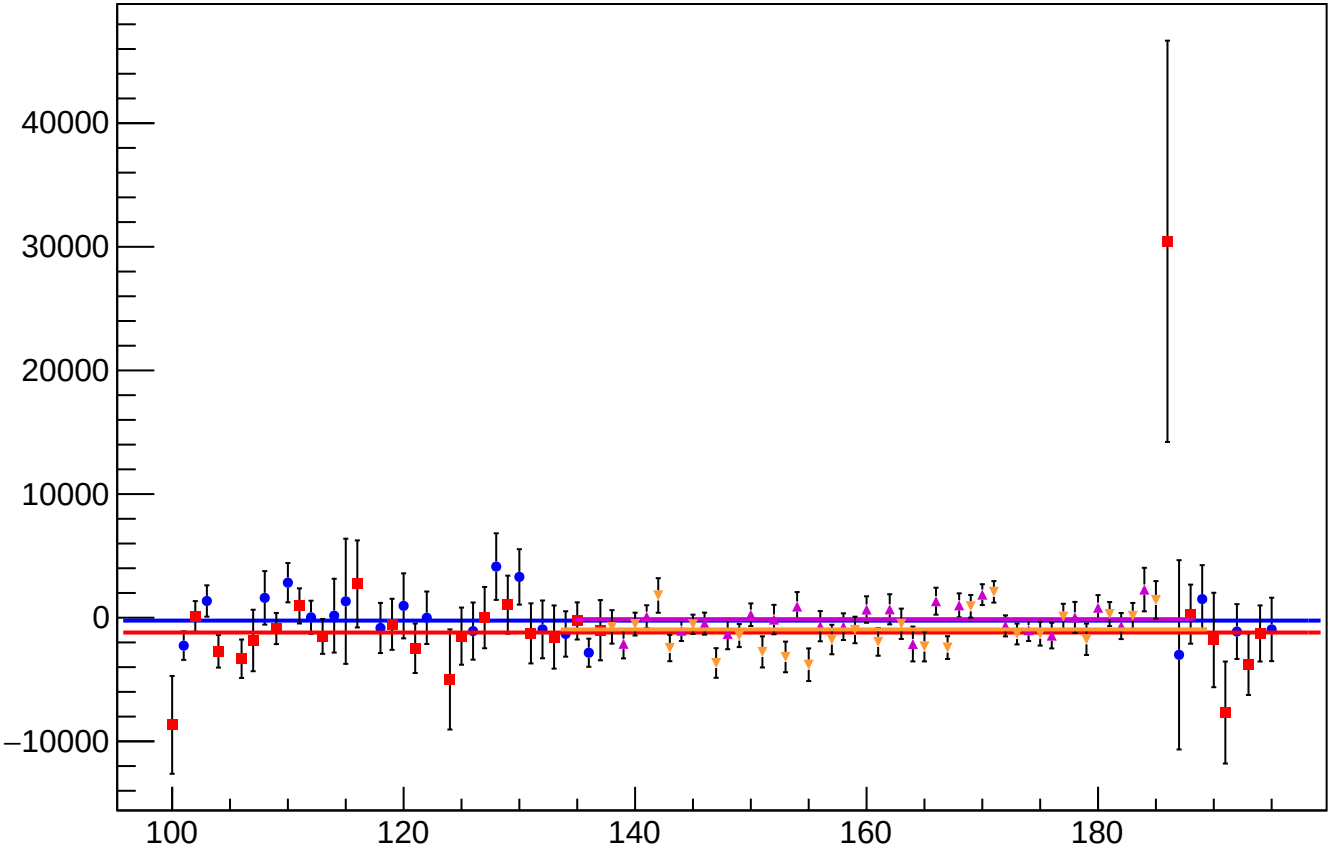
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 122.439+/-0.016 χ^2/NDF: 1497570.6/44

All: 122.371+/-0.012 χ^2/NDF: 3677051.8/92

- sign 122.302+/-0.016 χ^2/NDF: 2179445.9/47

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: -1198.803+/-400.020 χ^2/NDF: 22.3/24

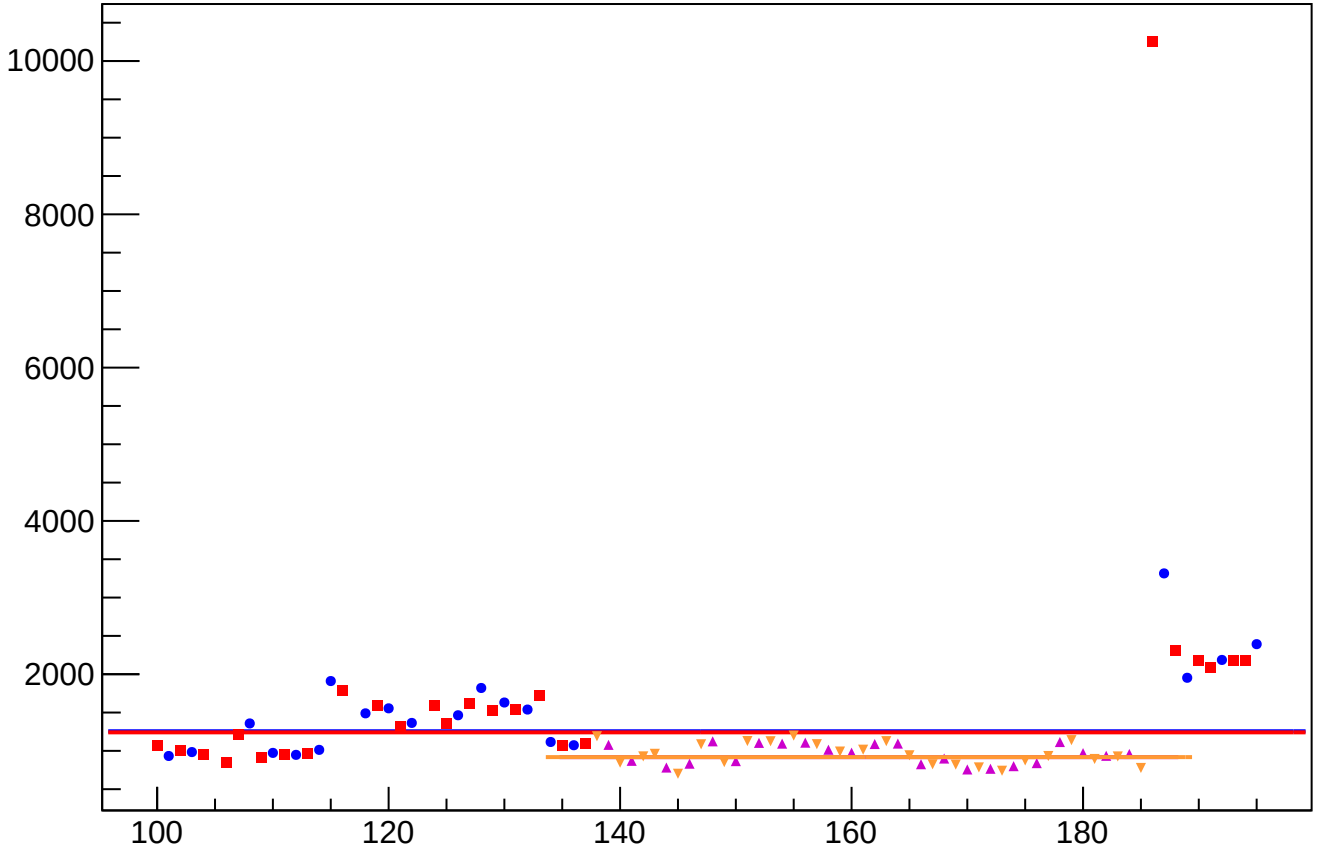
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -805.022+/-189.417 χ^2/NDF: 73.8/44

All: -586.358+/-134.443 χ^2/NDF: 128.8/92

- sign -364.363+/-190.854 χ^2/NDF: 52.3/47

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: 1241.477+/-0.283 χ^2/NDF: 2790395.6/24

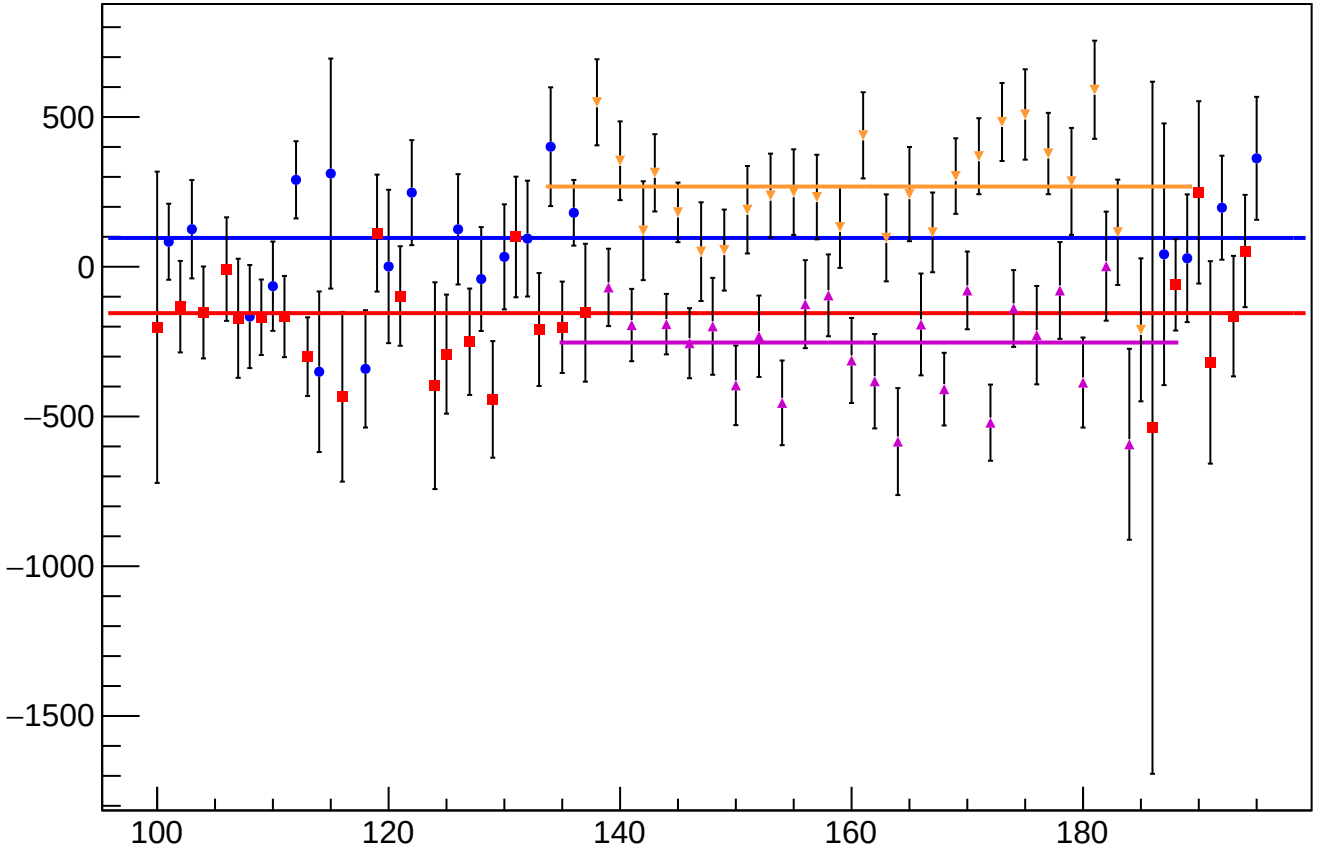
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 986.052+/-0.134 χ^2/NDF: 3700138.0/44

All: 988.904+/-0.095 χ^2/NDF: 8166499.2/92

- sign 991.800+/-0.135 χ^2/NDF: 4465447.2/47

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: -154.910+/-37.248 χ^2/NDF: 13.9/24

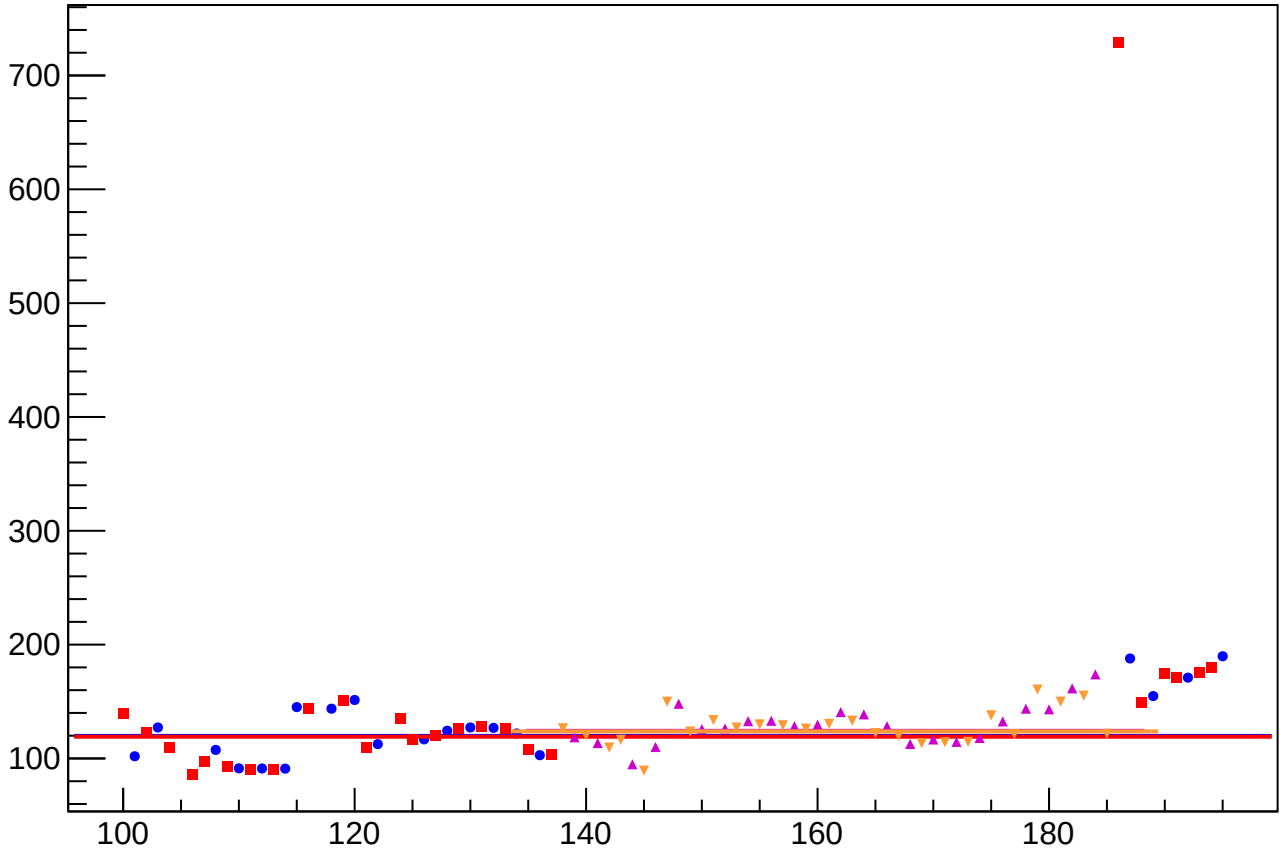
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 208.898+/-23.023 χ^2/NDF: 64.1/44

All: -3.193+/-16.284 χ^2/NDF: 278.3/92

- sign -215.516+/-23.035 χ^2/NDF: 44.4/47

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: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

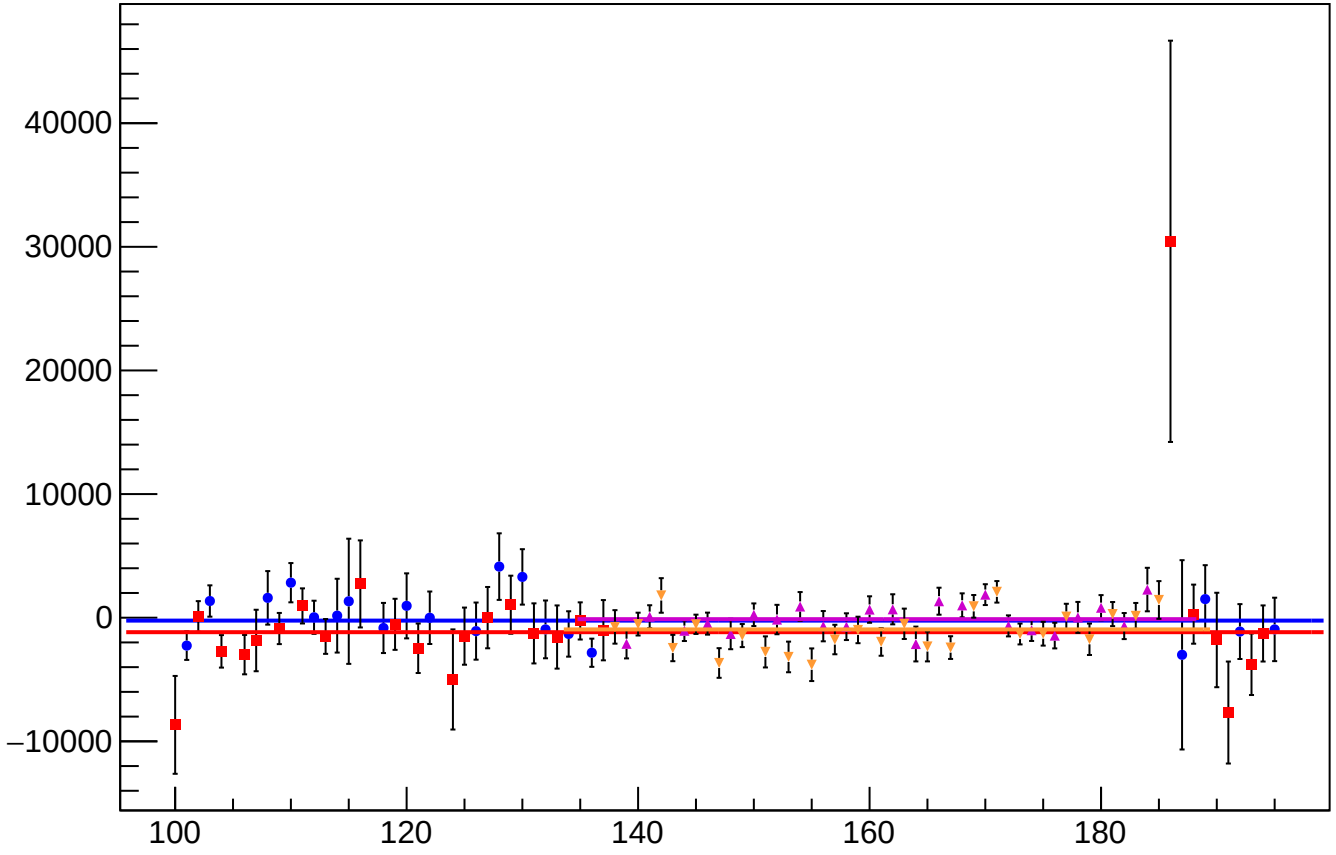
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 122.439+/-0.016 χ^2/NDF: 1497571.0/44

All: 122.362+/-0.012 χ^2/NDF: 3682259.5/92

- sign 122.285+/-0.016 χ^2/NDF: 2184643.9/47

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: -1171.572+/-400.642 χ^2/NDF: 21.7/24

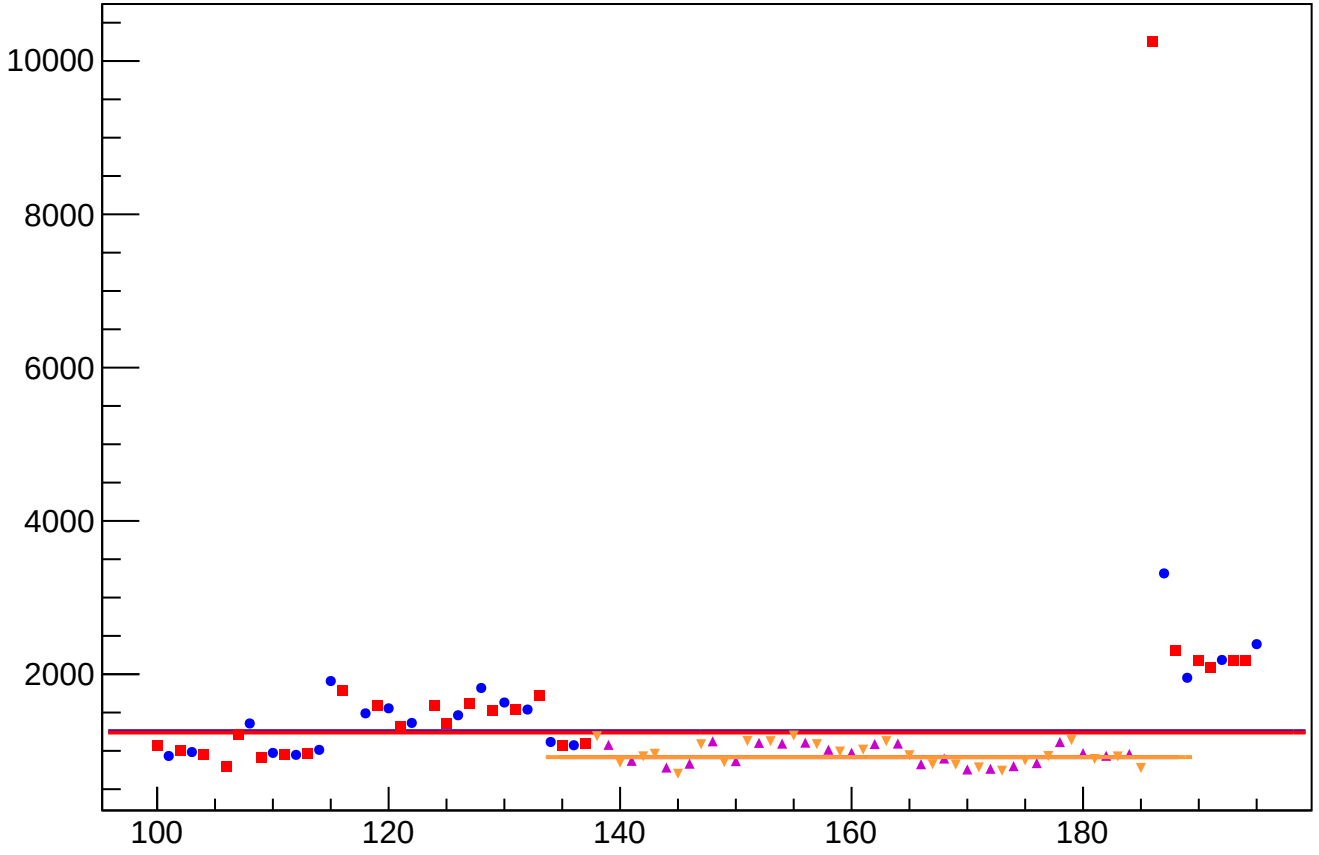
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -805.031+/-189.417 χ^2/NDF: 73.8/44

All: -583.081+/-134.467 χ^2/NDF: 128.0/92

- sign -357.592+/-190.922 χ^2/NDF: 51.4/47

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: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

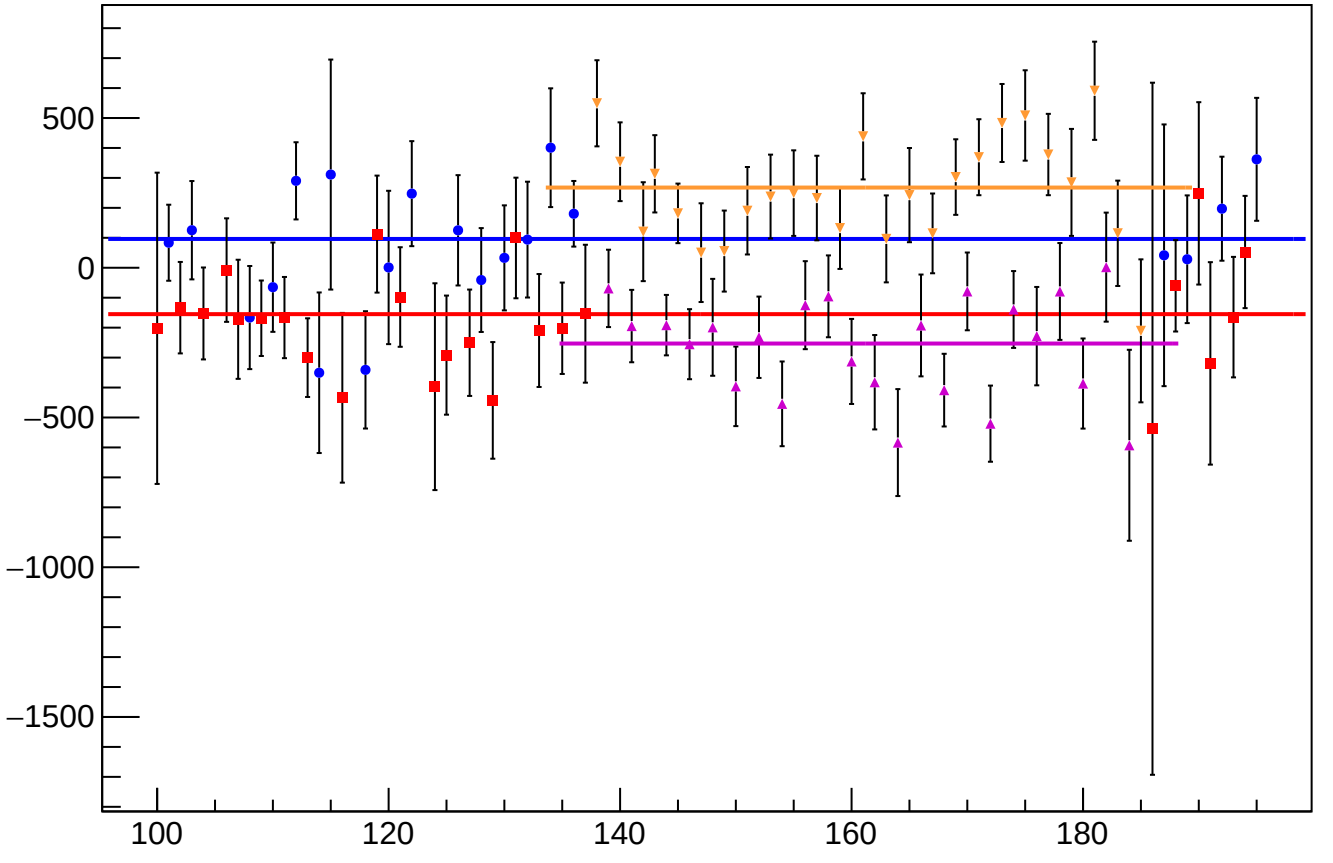
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 986.053+/-0.134 χ^2/NDF: 3700136.1/44

All: 988.597+/-0.095 χ^2/NDF: 8179078.3/92

- sign 991.182+/-0.135 χ^2/NDF: 4478215.0/47

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: -154.910+/-37.248 χ^2/NDF: 13.9/24

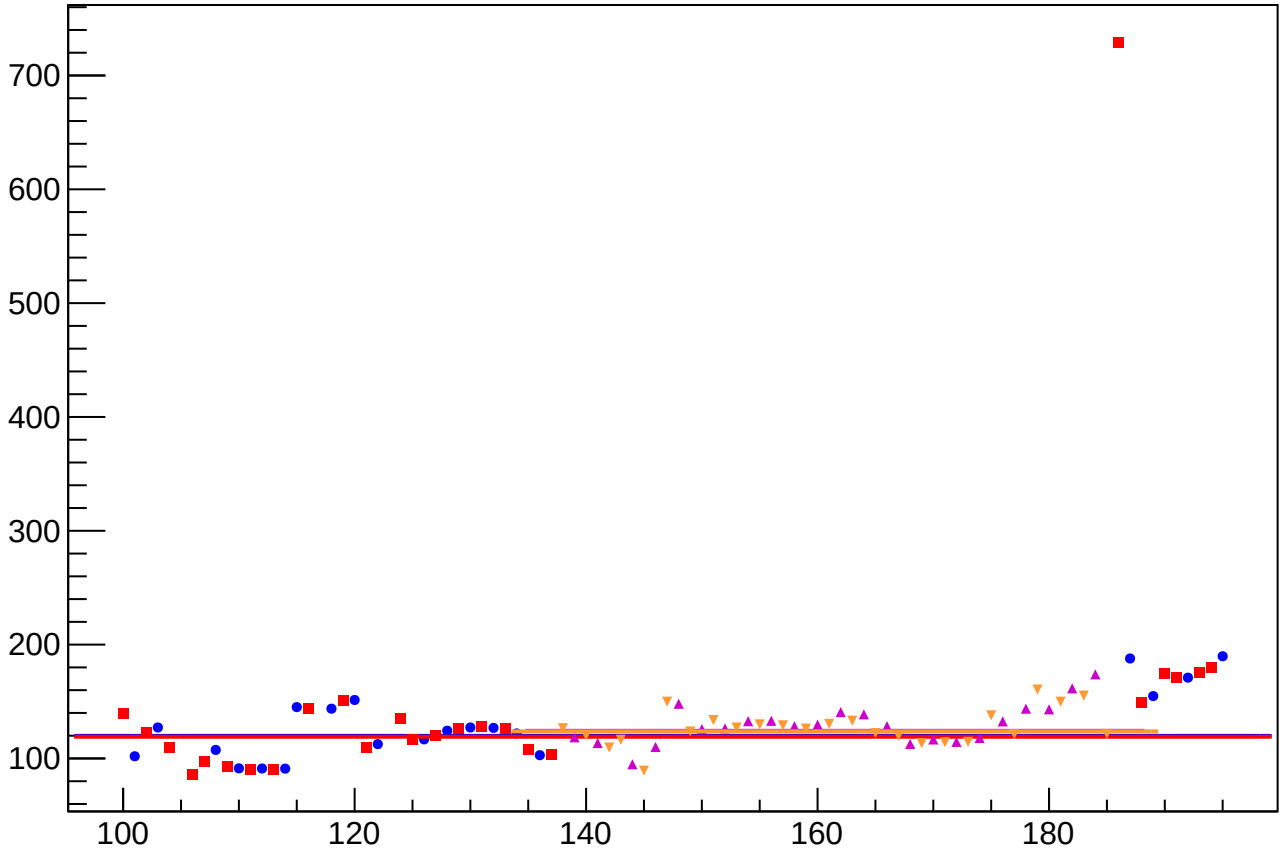
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 208.898+/-23.023 χ^2/NDF: 64.1/44

All: -3.193+/-16.284 χ^2/NDF: 278.3/92

- sign -215.516+/-23.035 χ^2/NDF: 44.4/47

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

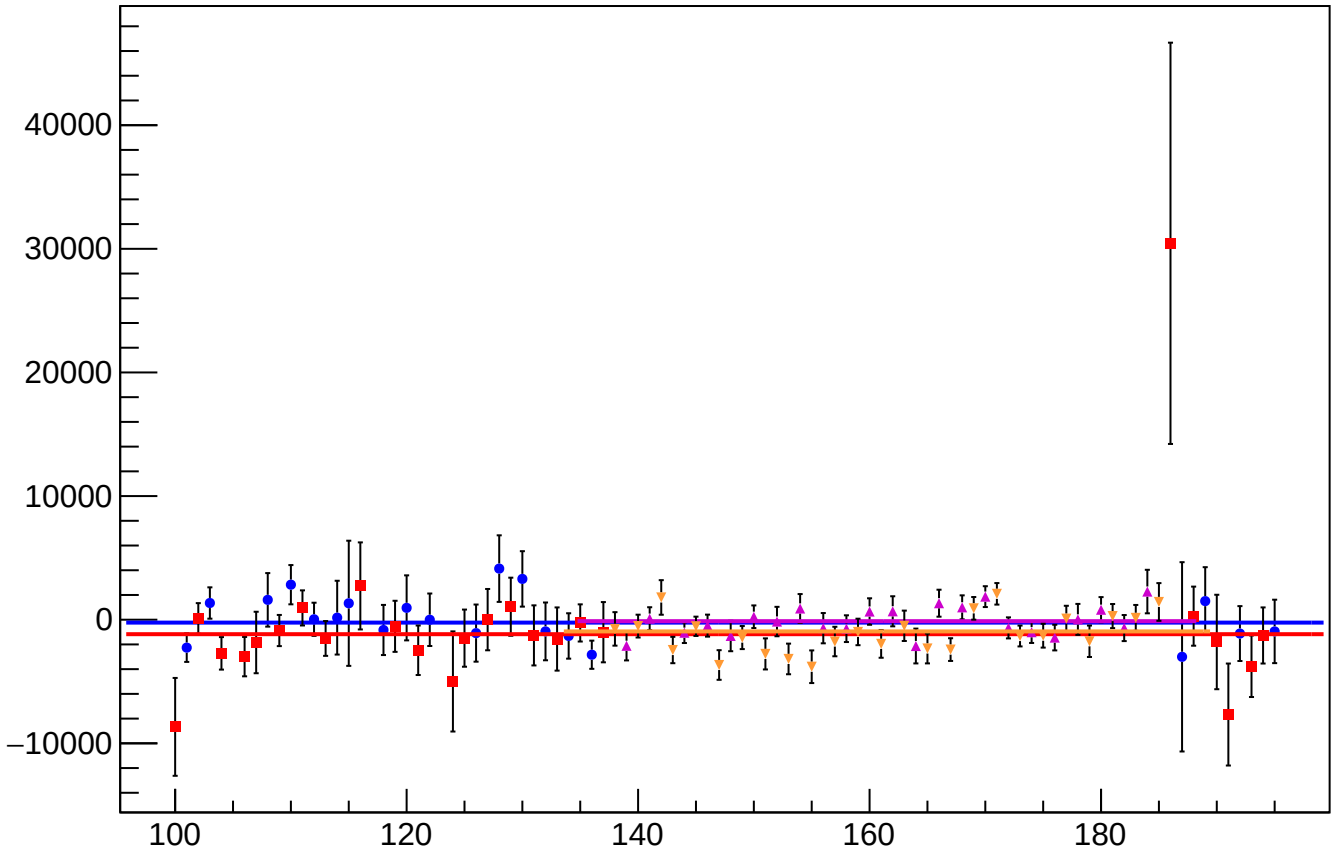
Right Out: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 122.439+/-0.016 χ^2/NDF: 1497571.0/44

All: 122.362+/-0.012 χ^2/NDF: 3682259.5/92

- sign 122.285+/-0.016 χ^2/NDF: 2184643.9/47



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: -1171.572+/-400.642 χ^2/NDF: 21.7/24

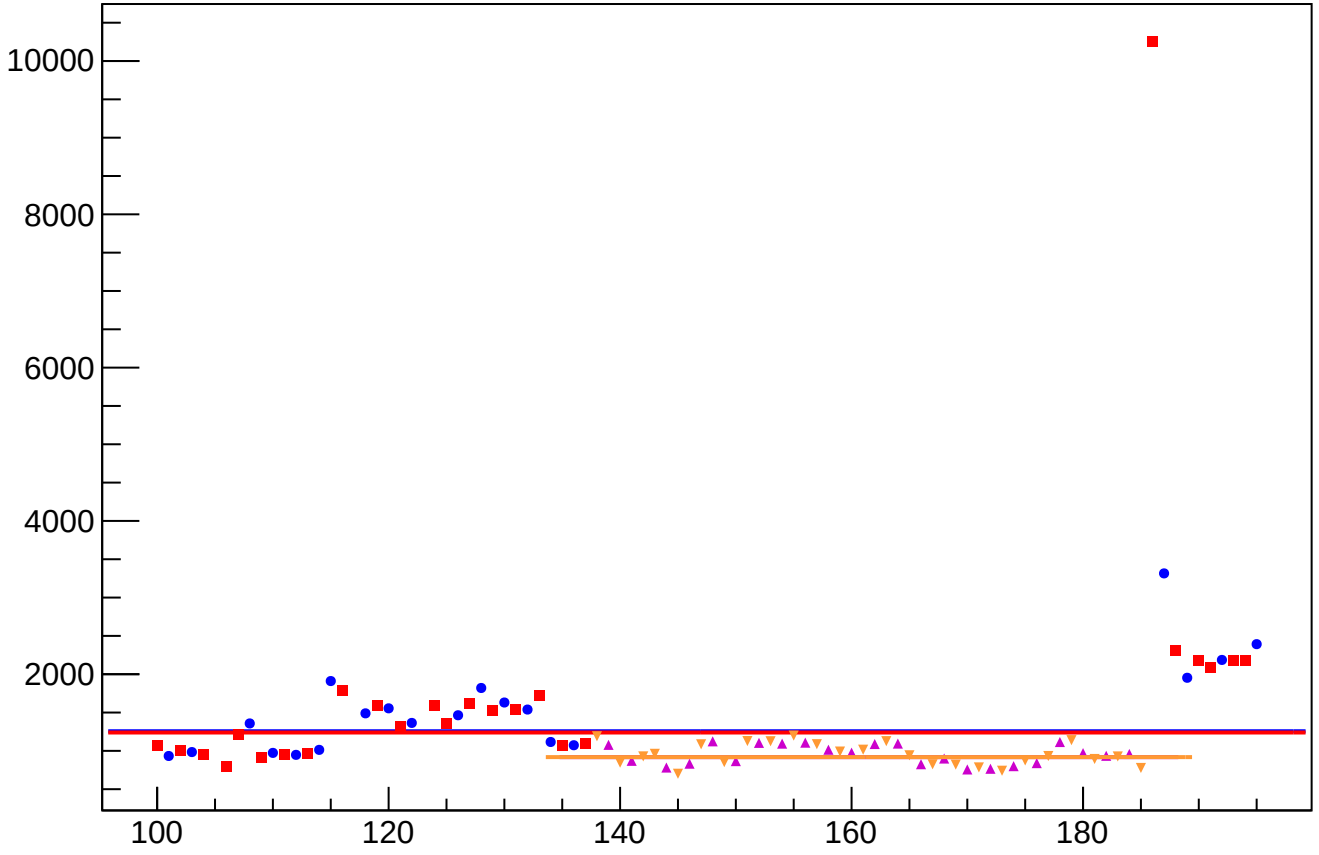
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -805.031+/-189.417 χ^2/NDF: 73.8/44

All: -583.081+/-134.467 χ^2/NDF: 128.0/92

- sign -357.592+/-190.922 χ^2/NDF: 51.4/47

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: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

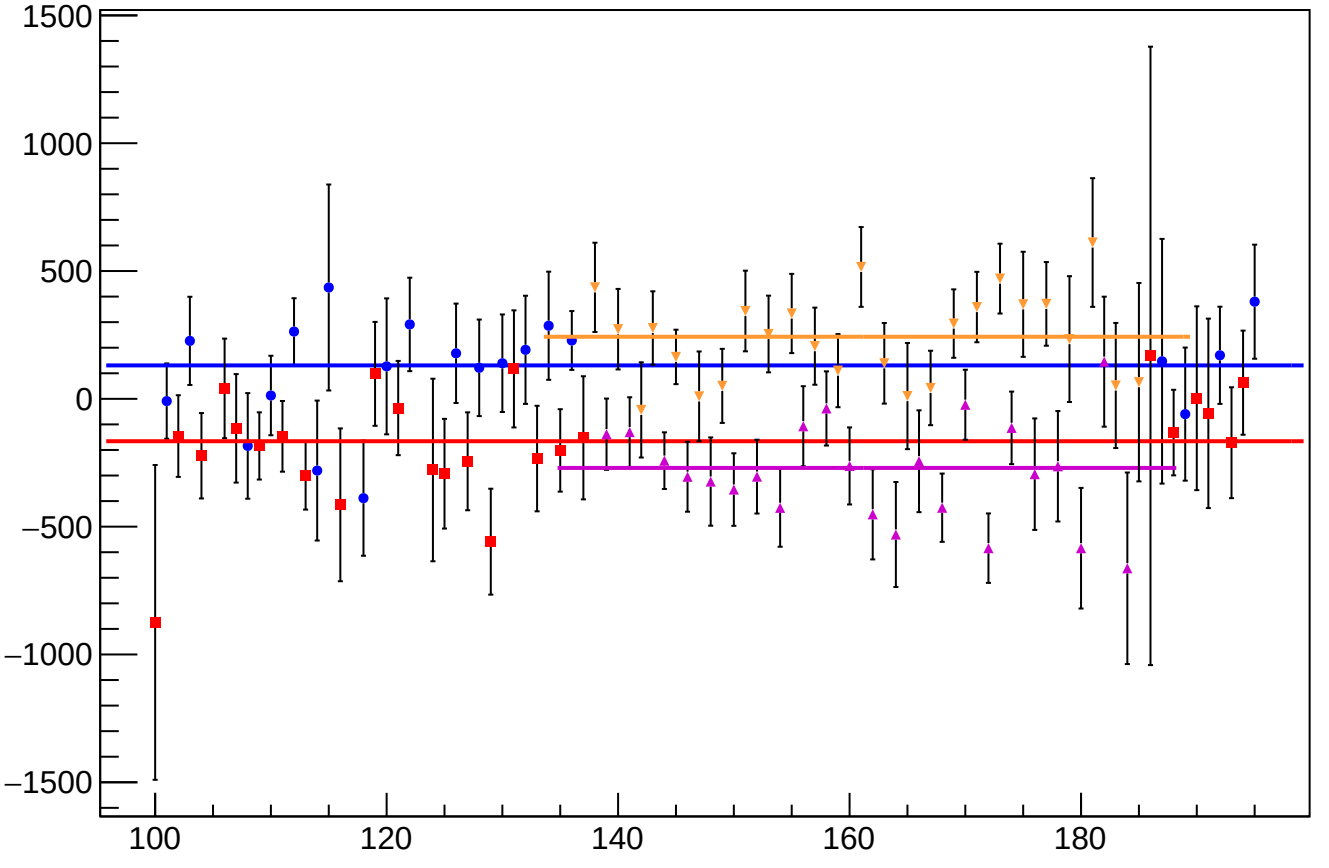
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 986.053+/-0.134 χ^2/NDF: 3700136.1/44

All: 988.597+/-0.095 χ^2/NDF: 8179078.3/92

- sign 991.182+/-0.135 χ^2/NDF: 4478215.0/47

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: -165.788+/-39.778 χ^2/NDF: 14.1/24

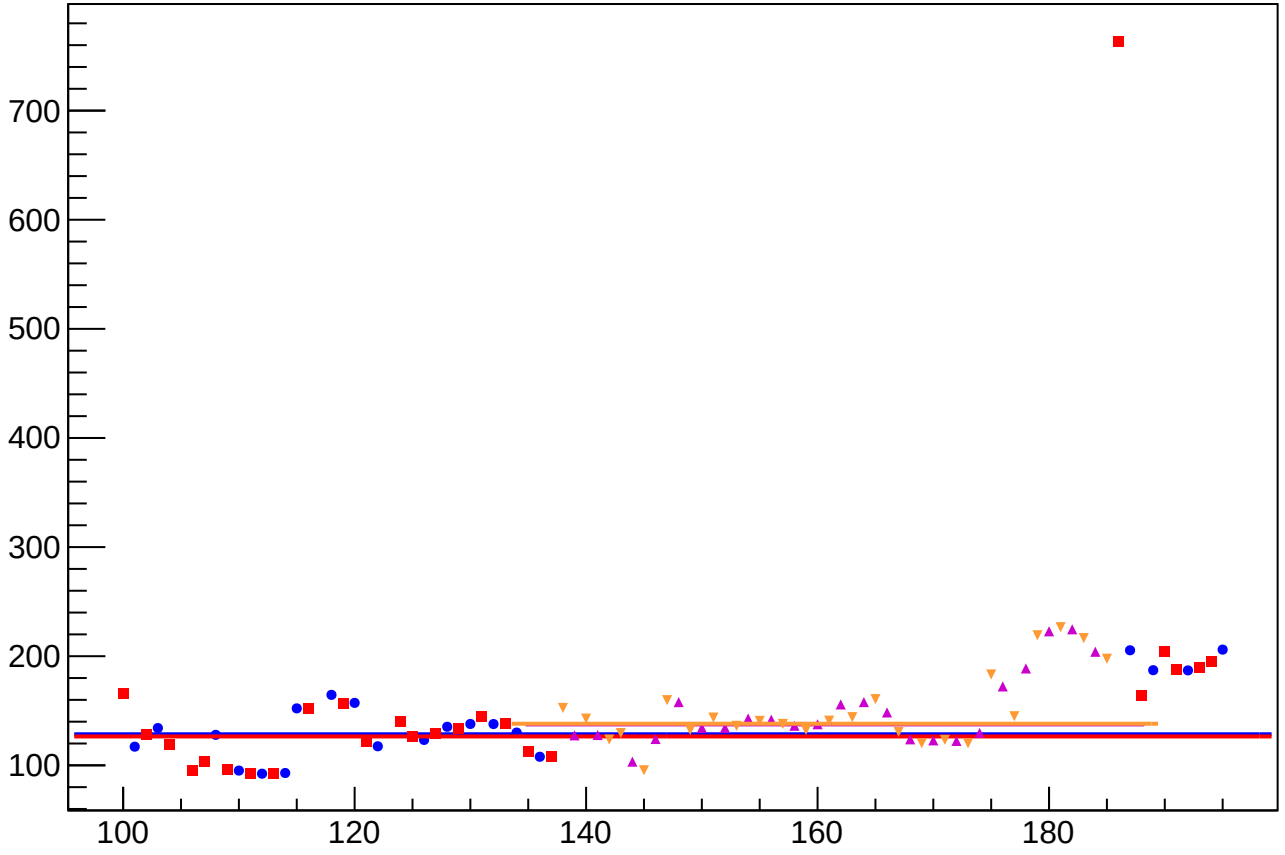
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.014+/-25.618 χ^2/NDF: 45.4/44

All: -15.178+/-18.019 χ^2/NDF: 232.6/92

- sign -227.823+/-25.349 χ^2/NDF: 44.9/47

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: 126.465+/-0.028 χ^2/NDF: 1749902.1/24

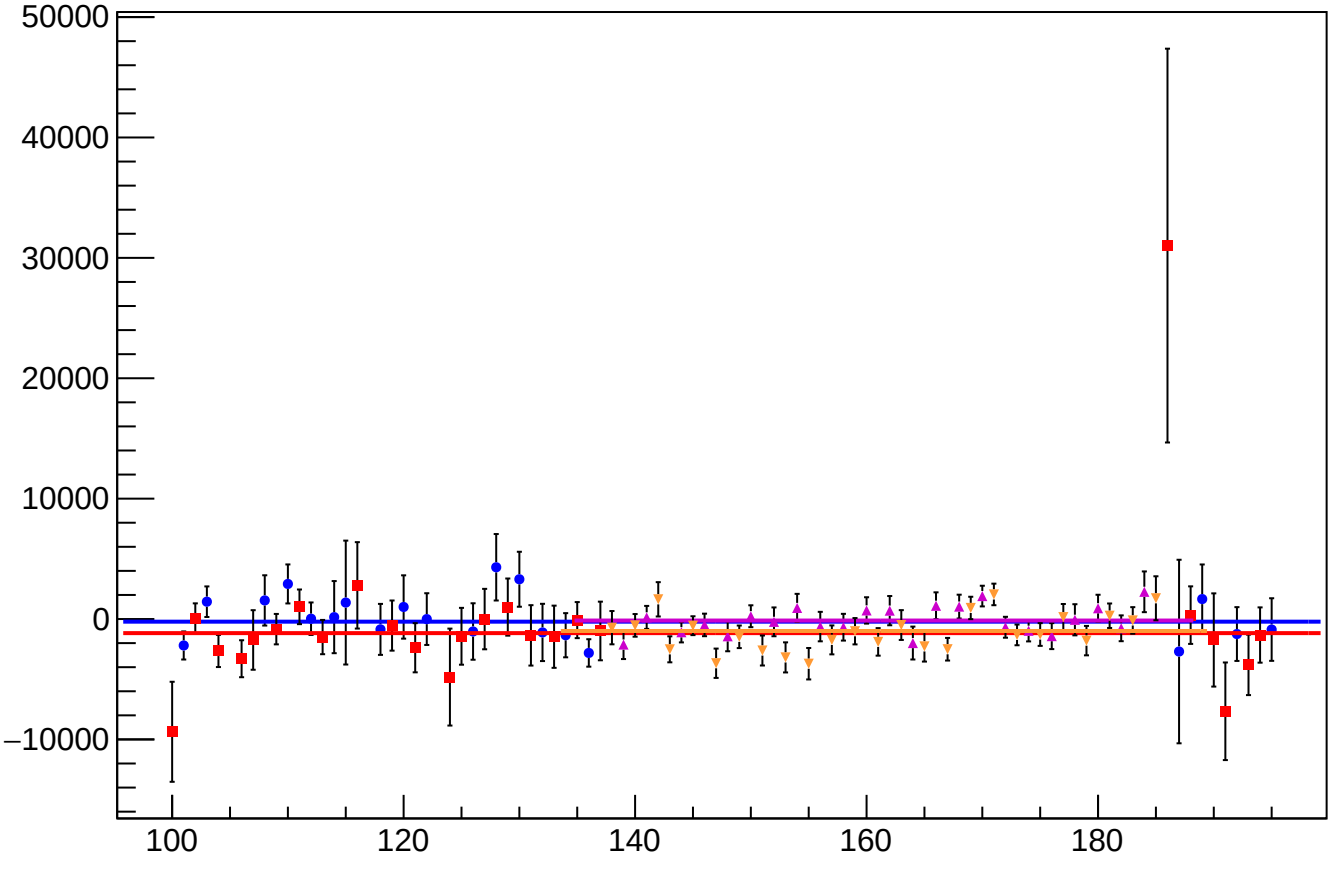
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 134.603+/-0.018 χ^2/NDF: 2448075.0/44

All: 133.800+/-0.013 χ^2/NDF: 5402467.5/92

- sign 133.013+/-0.018 χ^2/NDF: 2950503.7/47

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: -1169.922+/-402.708 χ^2/NDF: 22.6/24

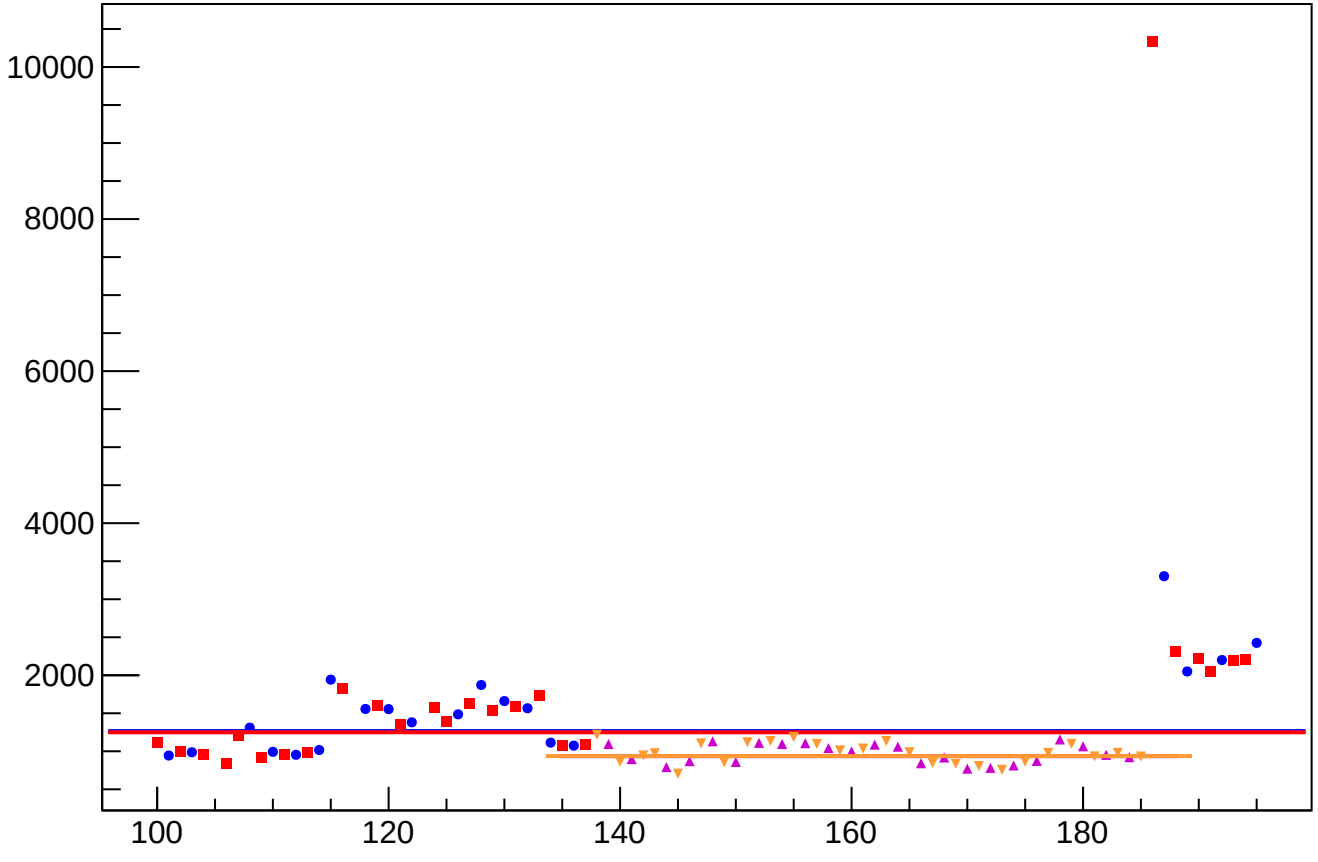
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -835.838+/-192.498 χ^2/NDF: 70.8/44

All: -603.409+/-136.641 χ^2/NDF: 125.3/92

- sign -367.362+/-193.990 χ^2/NDF: 51.6/47

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: 1250.037+/-0.285 χ^2/NDF: 2816773.9/24

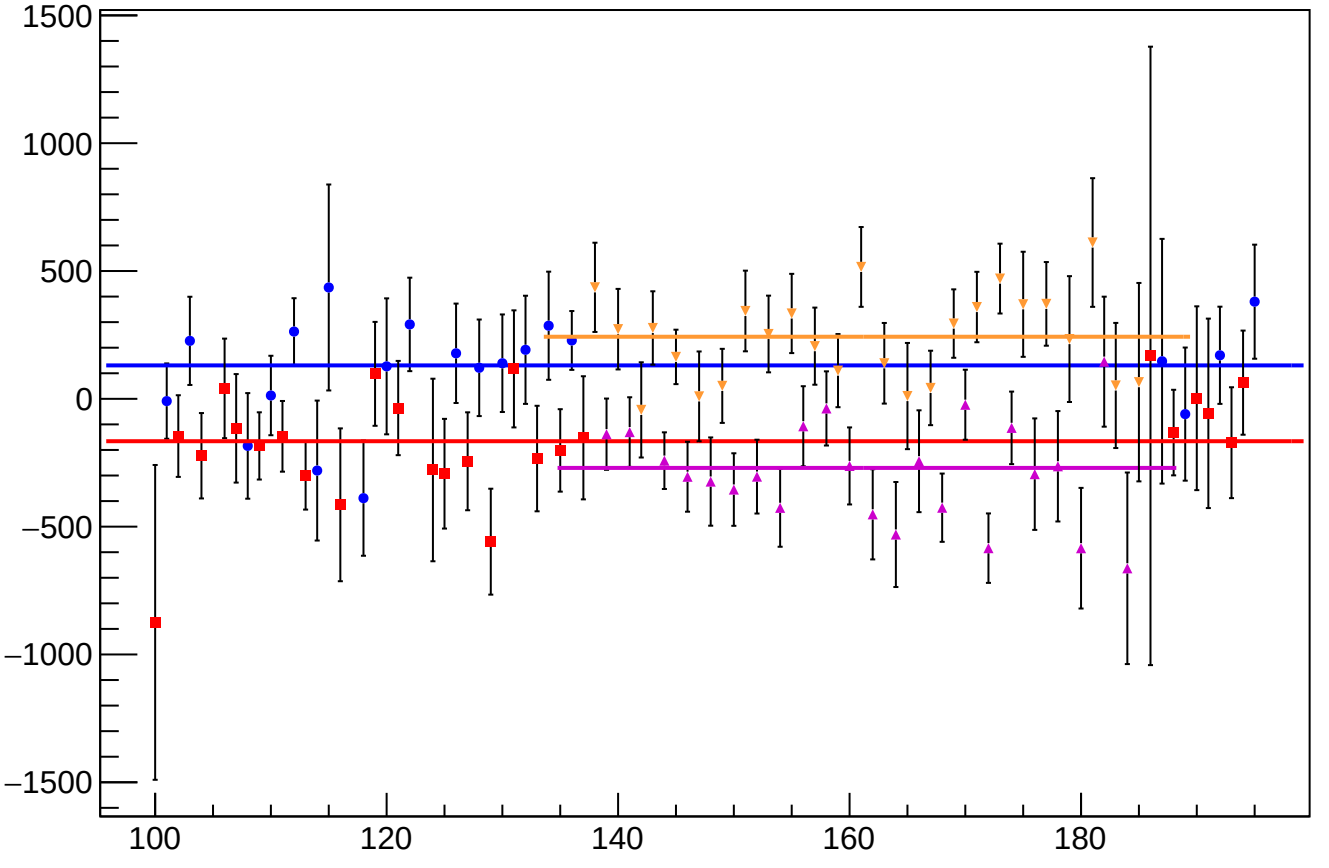
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1003.630+/-0.136 χ^2/NDF: 3624049.4/44

All: 1006.375+/-0.097 χ^2/NDF: 8016124.2/92

- sign 1009.164+/-0.137 χ^2/NDF: 4391254.8/47

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: -165.788+/-39.778 χ^2/NDF: 14.1/24

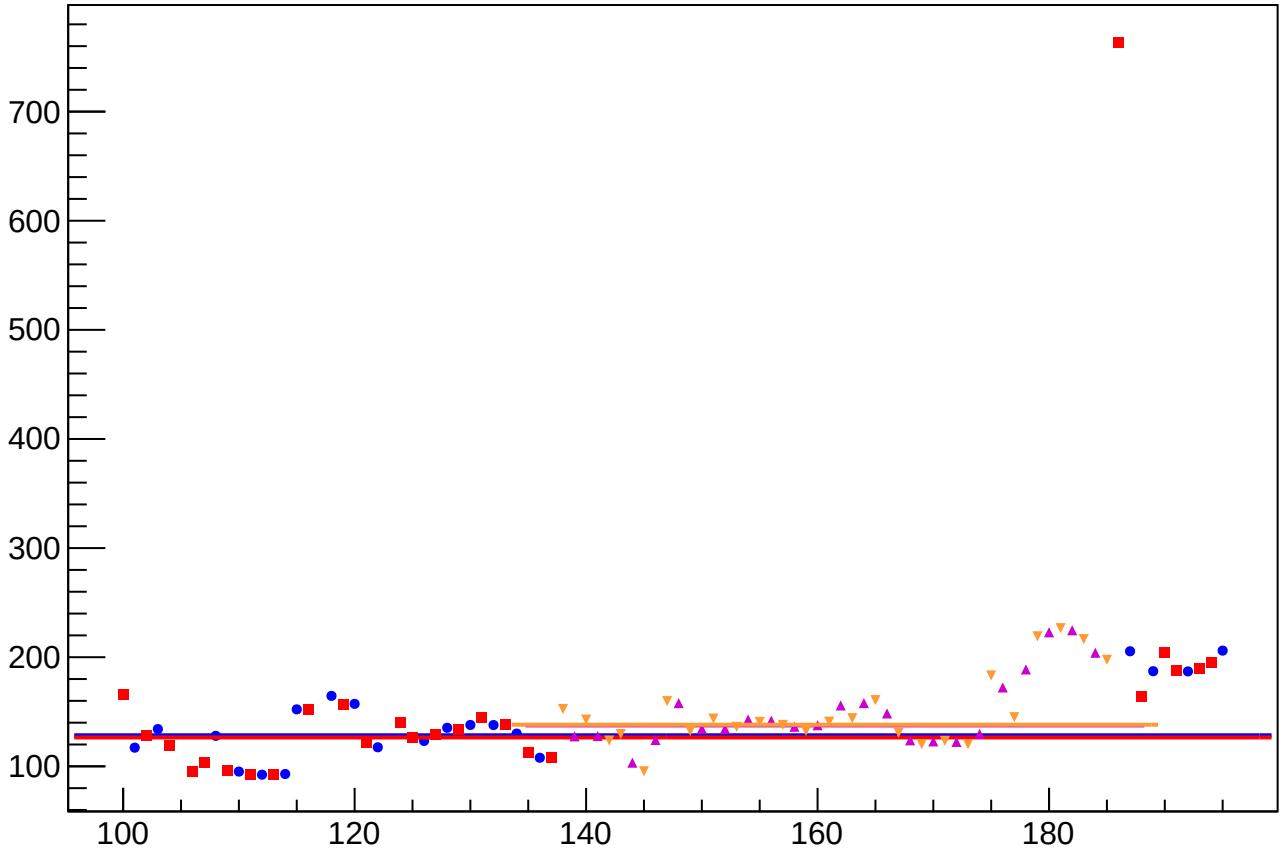
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.016+/-25.618 χ^2/NDF: 45.4/44

All: -15.177+/-18.019 χ^2/NDF: 232.6/92

- sign -227.824+/-25.349 χ^2/NDF: 44.9/47

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

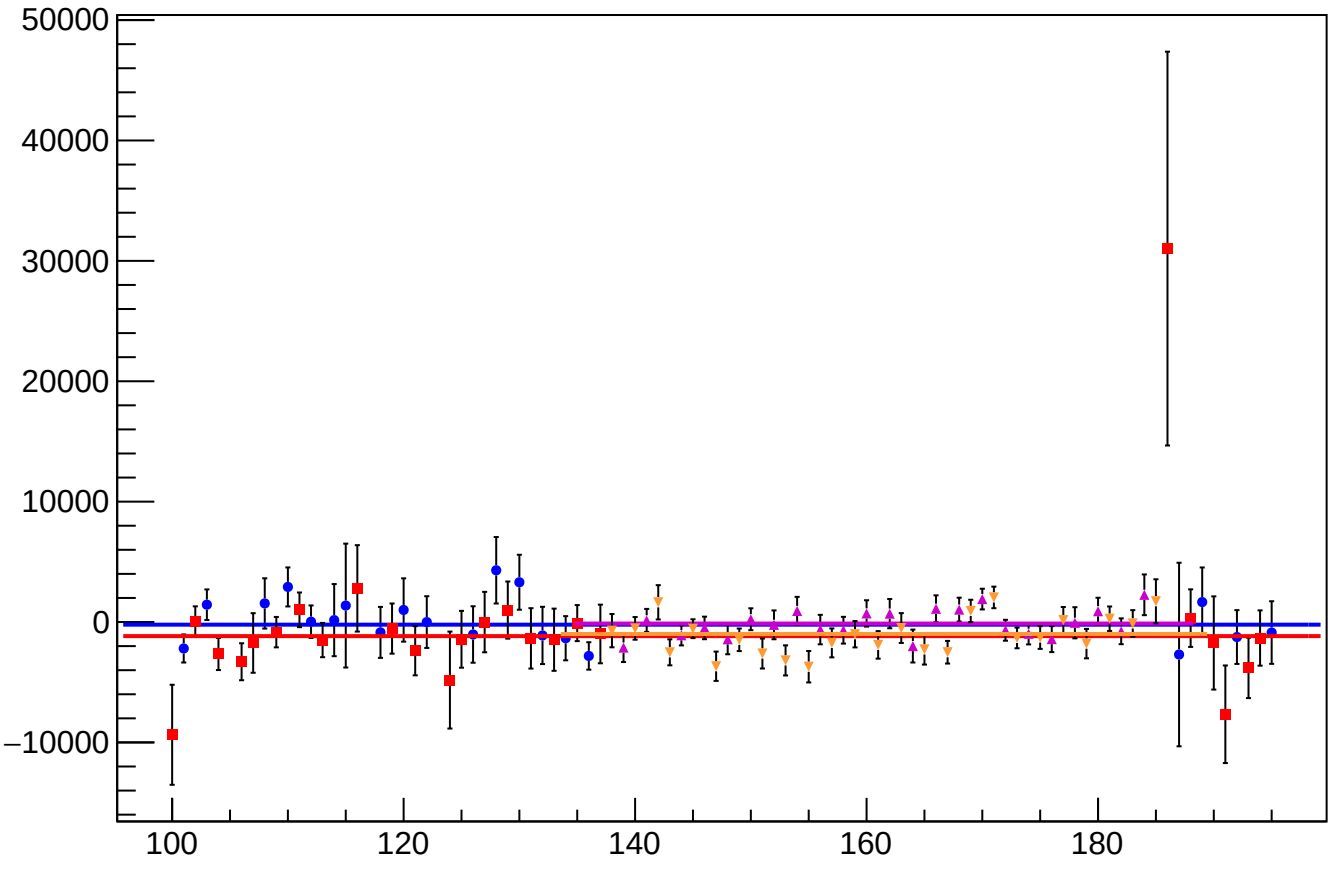
Right Out: 126.465+/-0.028 χ^2/NDF: 1749905.7/24

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 134.603+/-0.018 χ^2/NDF: 2448074.5/44

All: 133.800+/-0.013 χ^2/NDF: 5402457.3/92

- sign 133.013+/-0.018 χ^2/NDF: 2950494.0/47



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: -1169.922+/-402.708 χ^2/NDF: 22.6/24

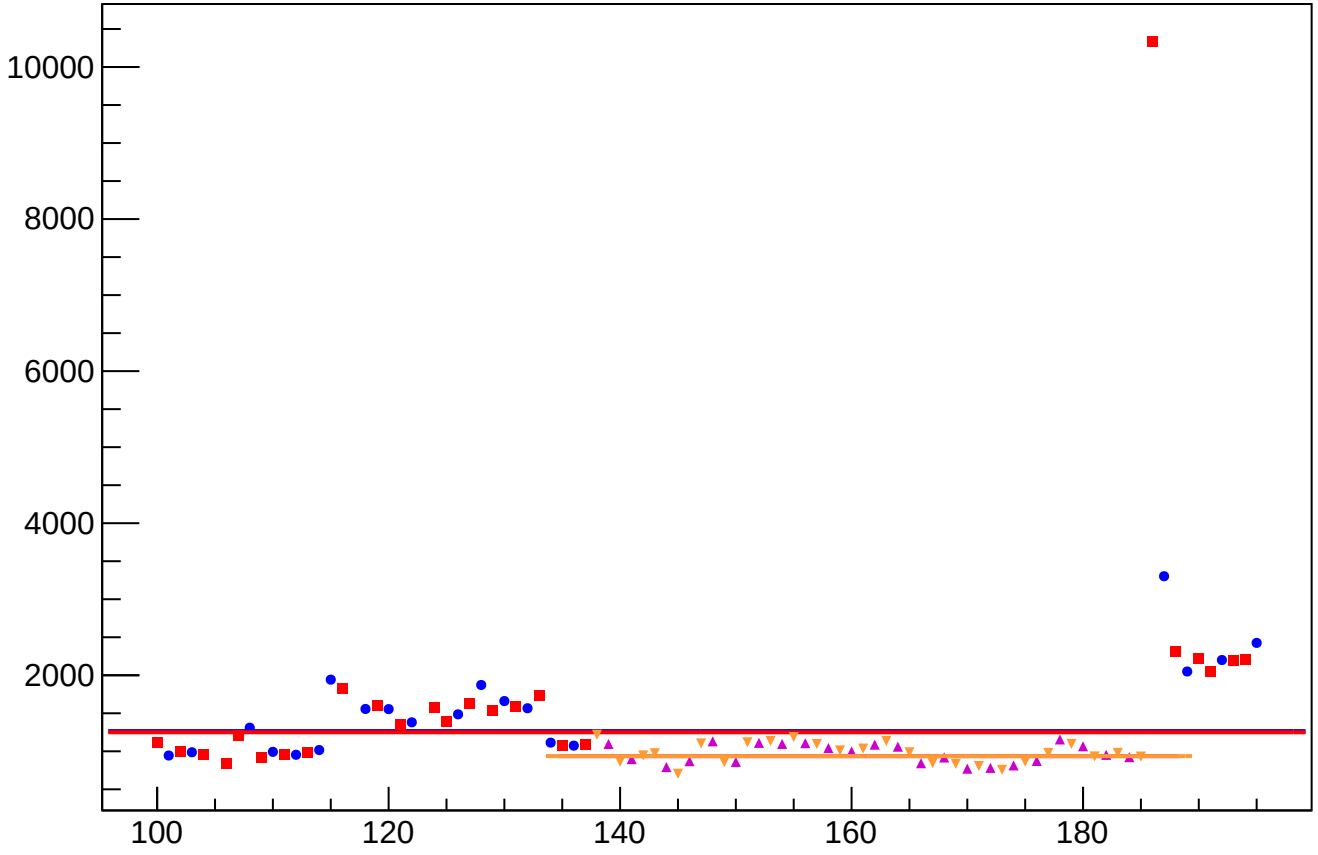
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -835.837+/-192.497 χ^2/NDF: 70.8/44

All: -603.408+/-136.641 χ^2/NDF: 125.3/92

- sign -367.361+/-193.990 χ^2/NDF: 51.6/47

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: 1250.036+/-0.285 χ^2/NDF: 2816769.3/24

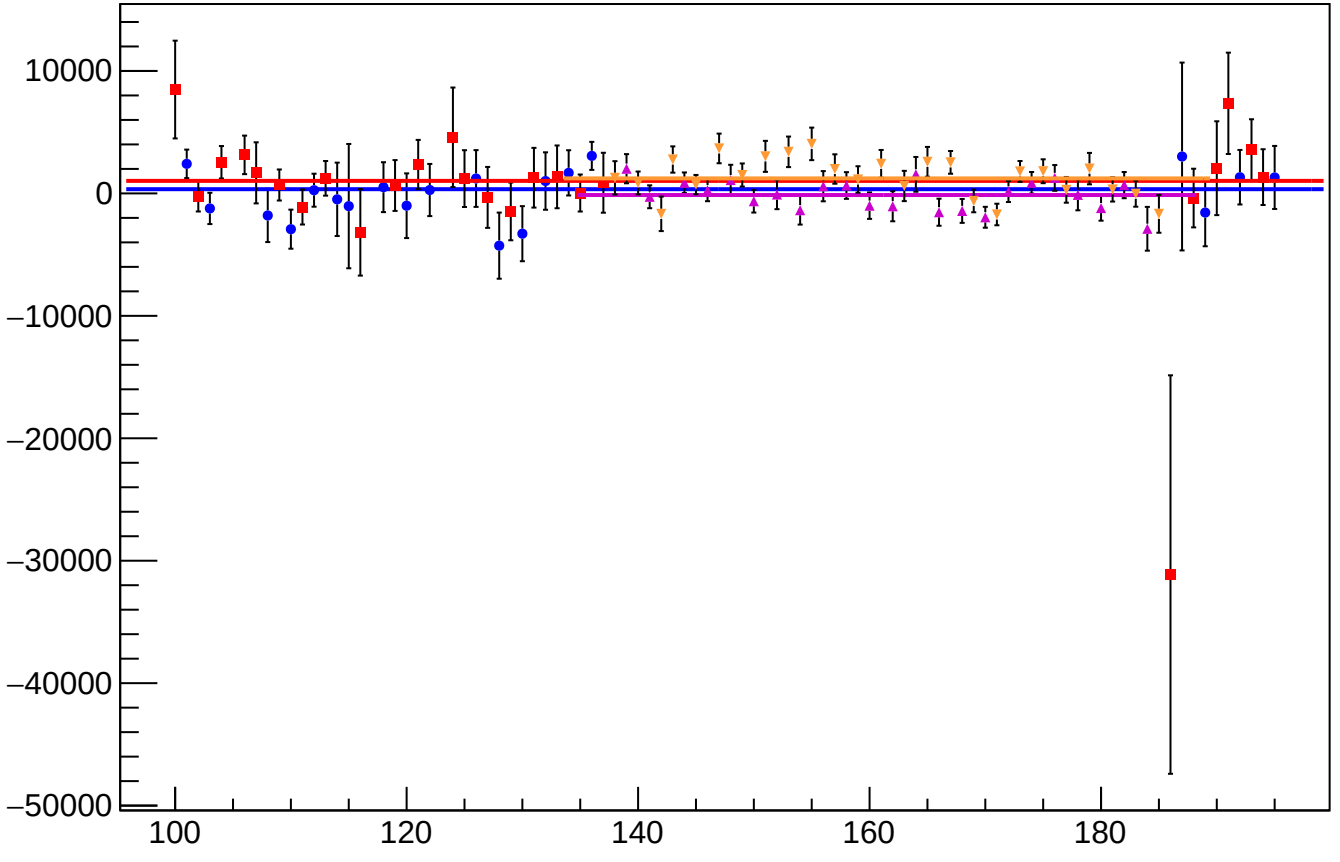
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1003.629+/-0.136 χ^2/NDF: 3624057.7/44

All: 1006.374+/-0.097 χ^2/NDF: 8016131.2/92

- sign 1009.163+/-0.137 χ^2/NDF: 4391253.4/47

asym_sam_48_dd_mean vs Slug



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: 1023.550+/-402.152 χ^2/NDF: 22.3/24

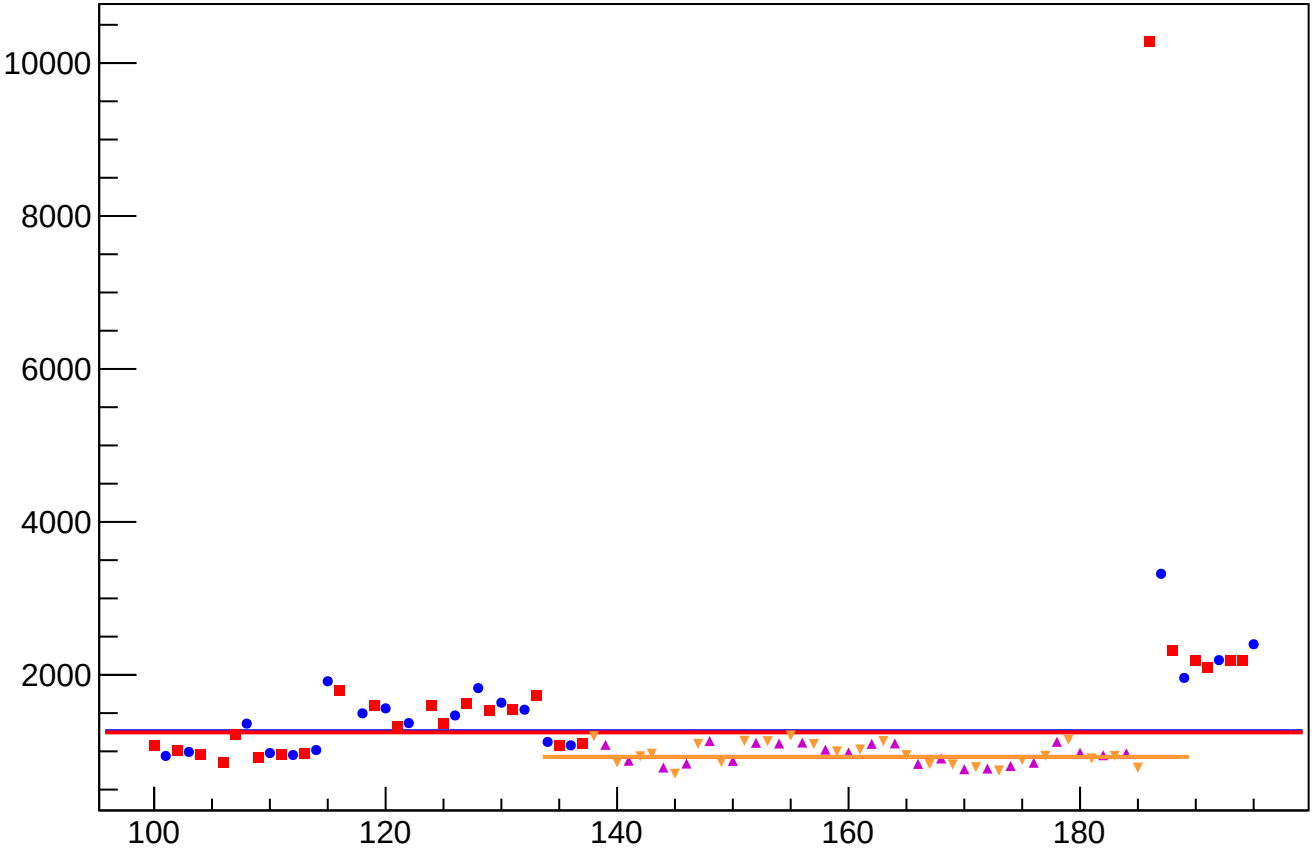
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

\+ sign 1047.891+/-191.078 χ^2/NDF: 75.0/44

All: 593.476+/-135.619 χ^2/NDF: 140.9/92

\- sign 132.180+/-192.519 χ^2/NDF: 54.5/47

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: 1248.358+/-0.284 χ^2/NDF: 2775915.5/24

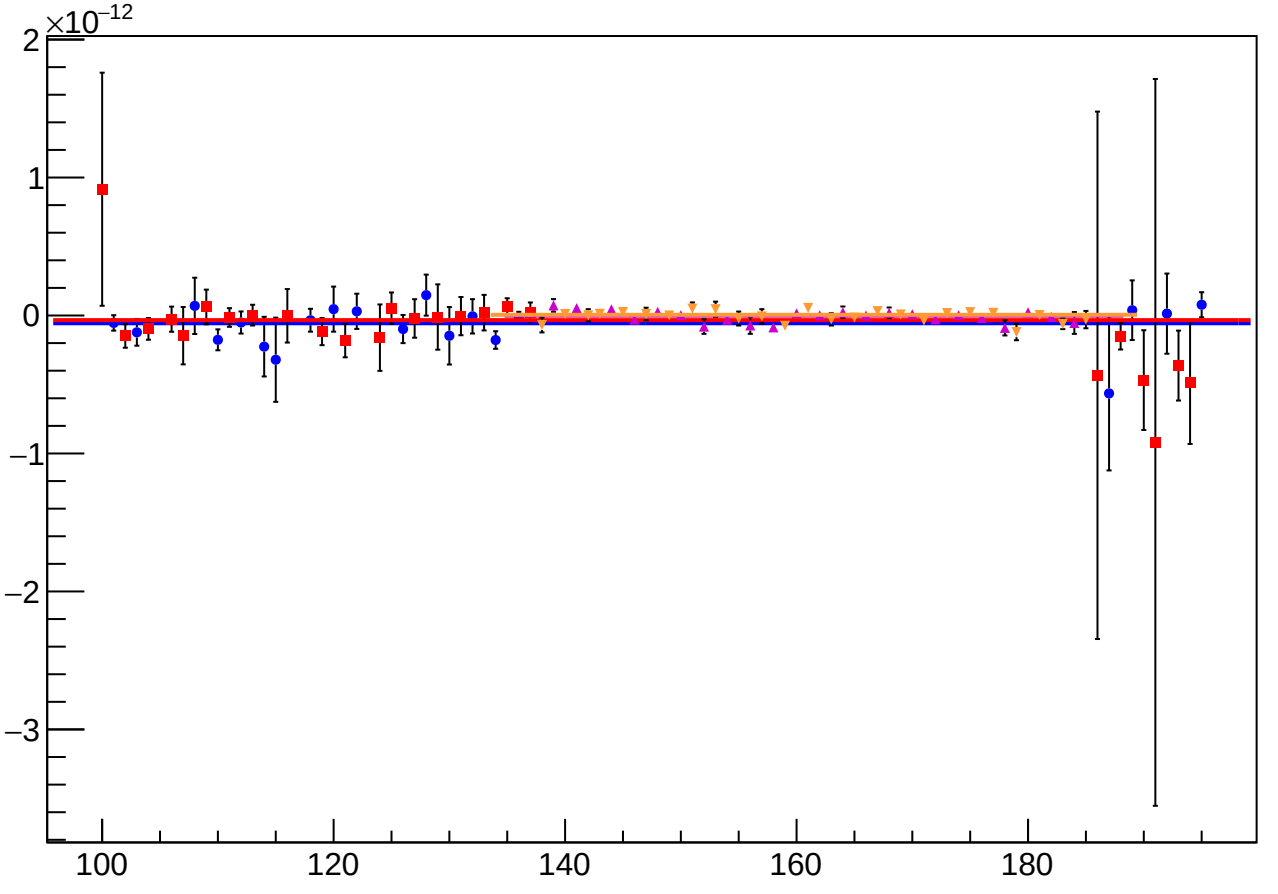
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 995.208+/-0.135 χ^2/NDF: 3649890.6/44

All: 998.030+/-0.096 χ^2/NDF: 8065688.9/92

- sign 1000.894+/-0.136 χ^2/NDF: 4414919.3/47

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

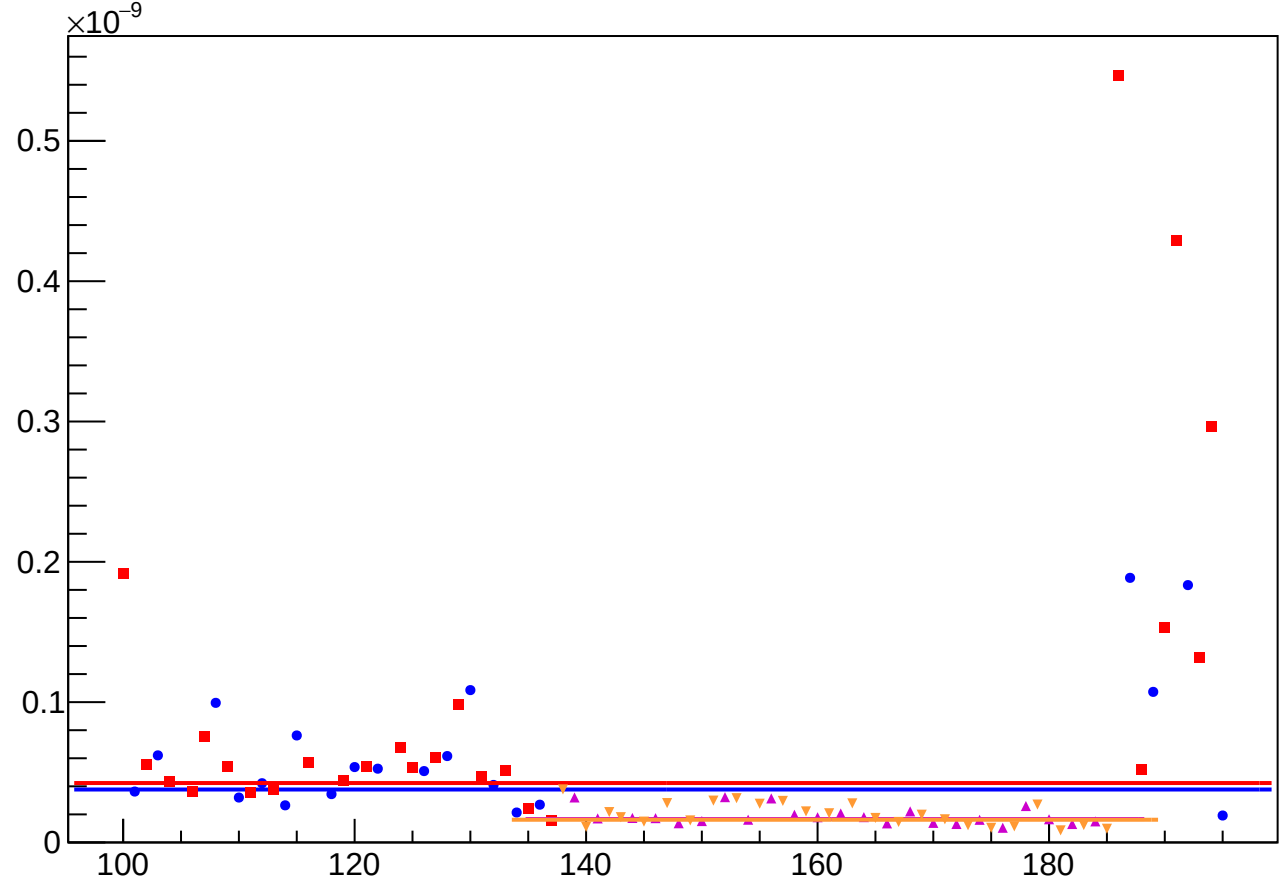
Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/24

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: 96.4/92

- sign -0.000+/-0.000 χ^2/NDF: 47.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 1936893.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2213814.1/24

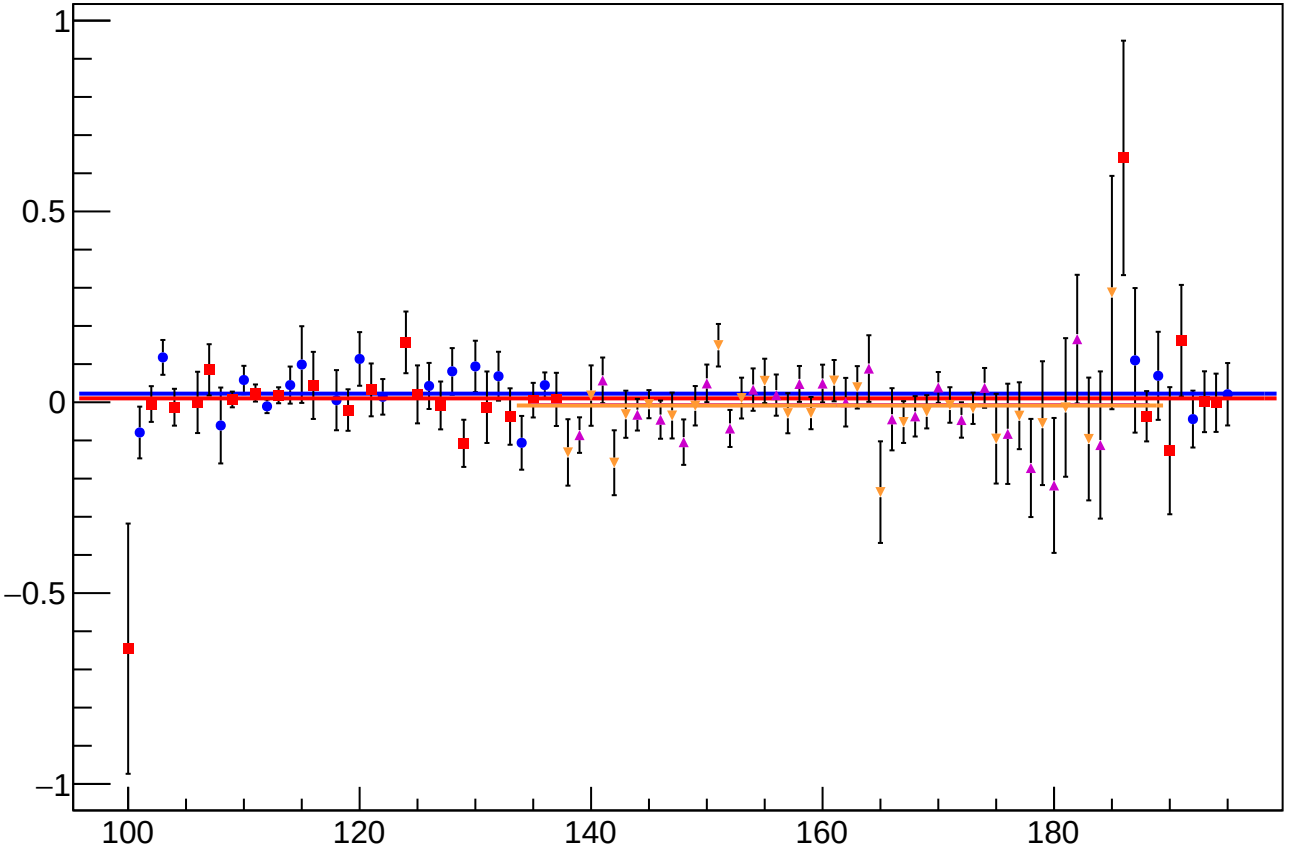
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5861517.5/44

All: 0.000+/-0.000 χ^2/NDF: 11442072.7/92

- sign 0.000+/-0.000 χ^2/NDF: 5563162.6/47

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: 0.010+/-0.010 χ^2/NDF: 20.7/24

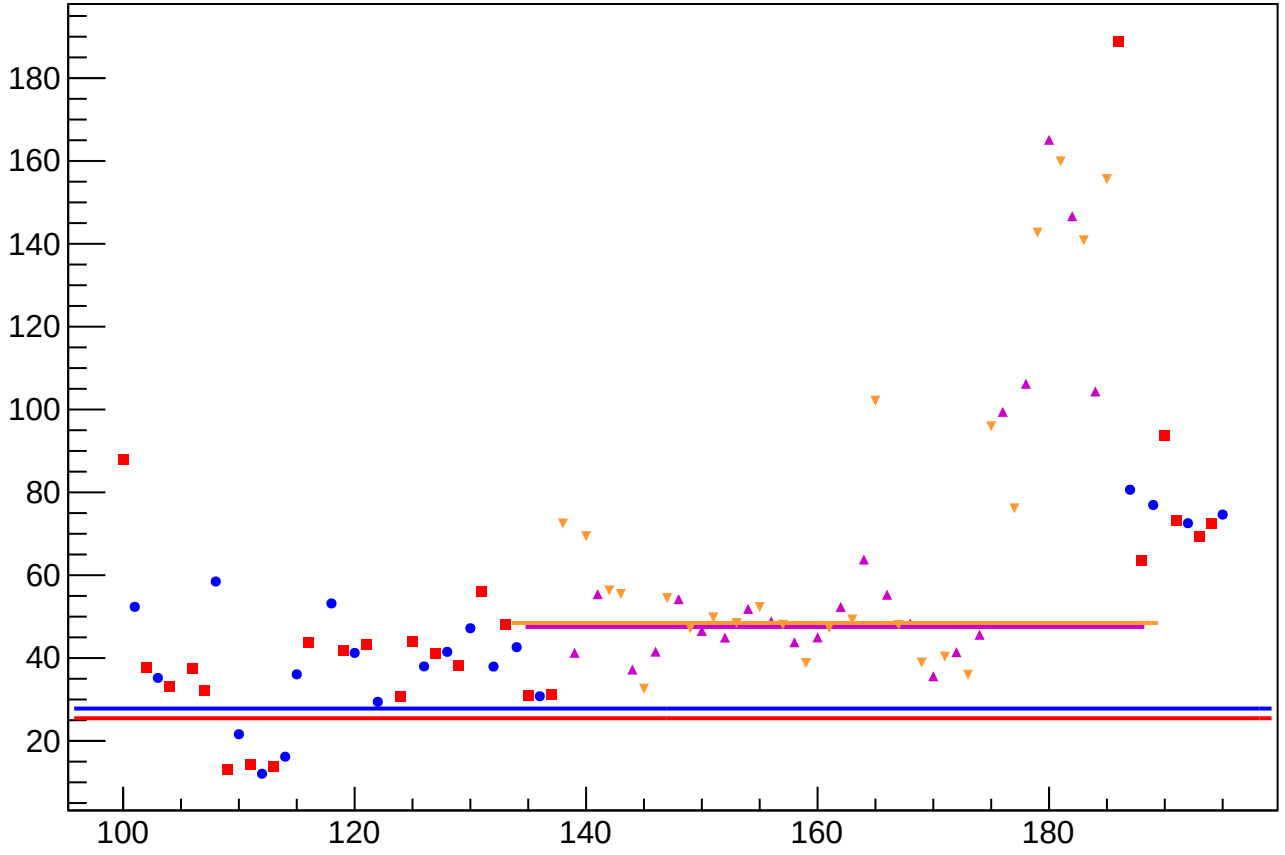
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.006+/-0.005 χ^2/NDF: 94.3/92

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

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

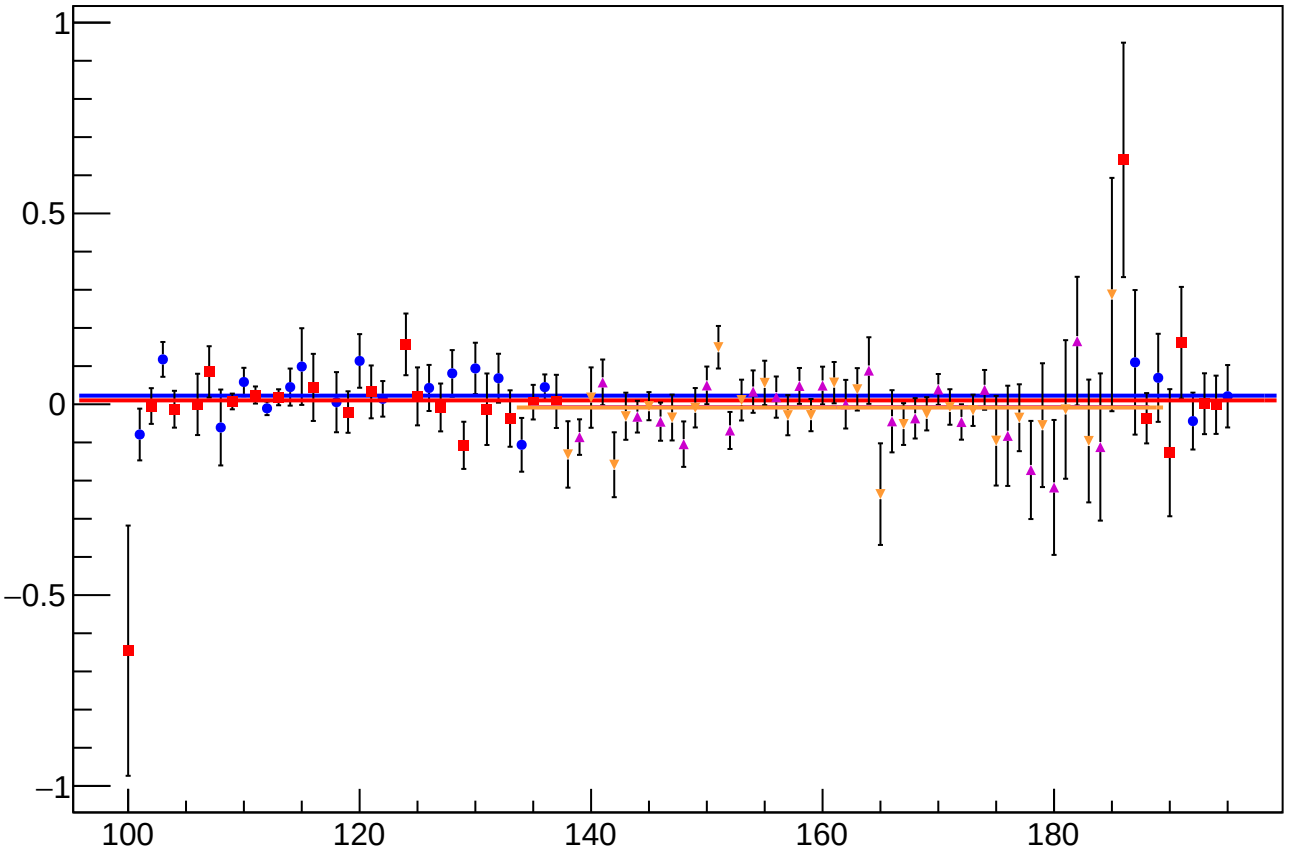
Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.039+/-0.006 χ^2/NDF: 12571378.9/44

All: 35.378+/-0.004 χ^2/NDF: 26402042.1/92

- sign 33.943+/-0.005 χ^2/NDF: 13670996.7/47



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: 0.010+/-0.010 χ^2/NDF: 20.7/24

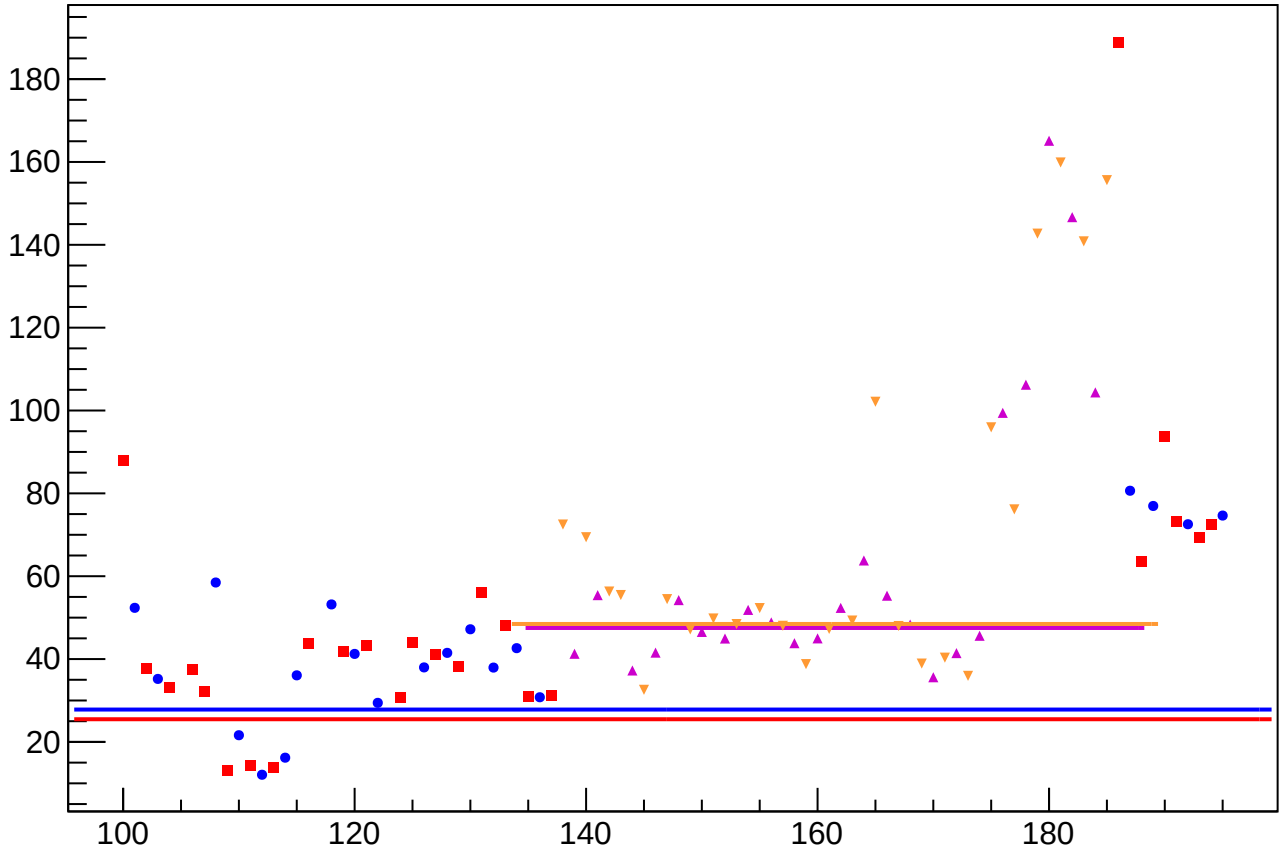
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.006+/-0.005 χ^2/NDF: 94.3/92

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

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

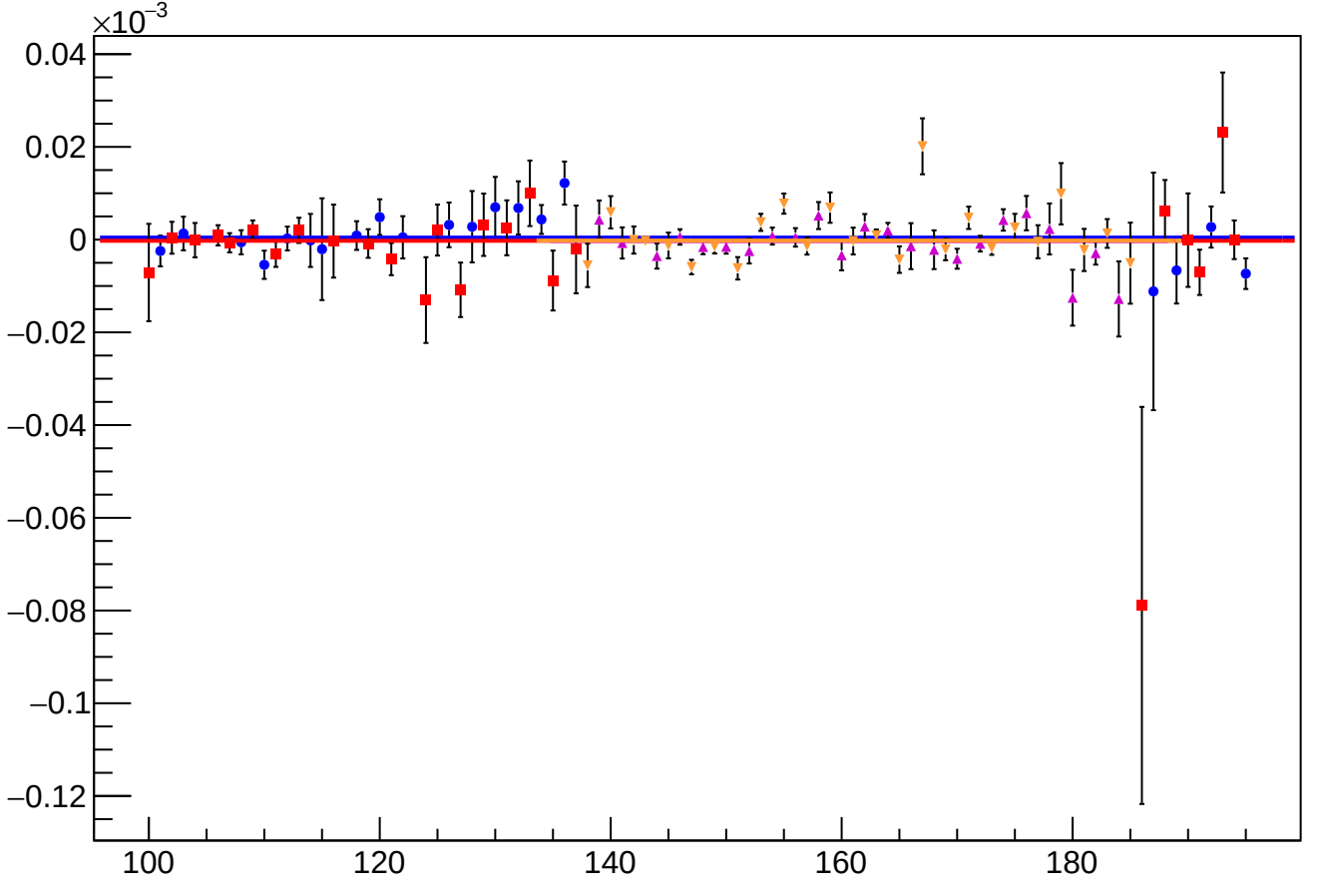
Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.039+/-0.006 χ^2/NDF: 12571378.9/44

All: 35.378+/-0.004 χ^2/NDF: 26402042.1/92

- sign 33.943+/-0.005 χ^2/NDF: 13670996.7/47



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: 24.7/24

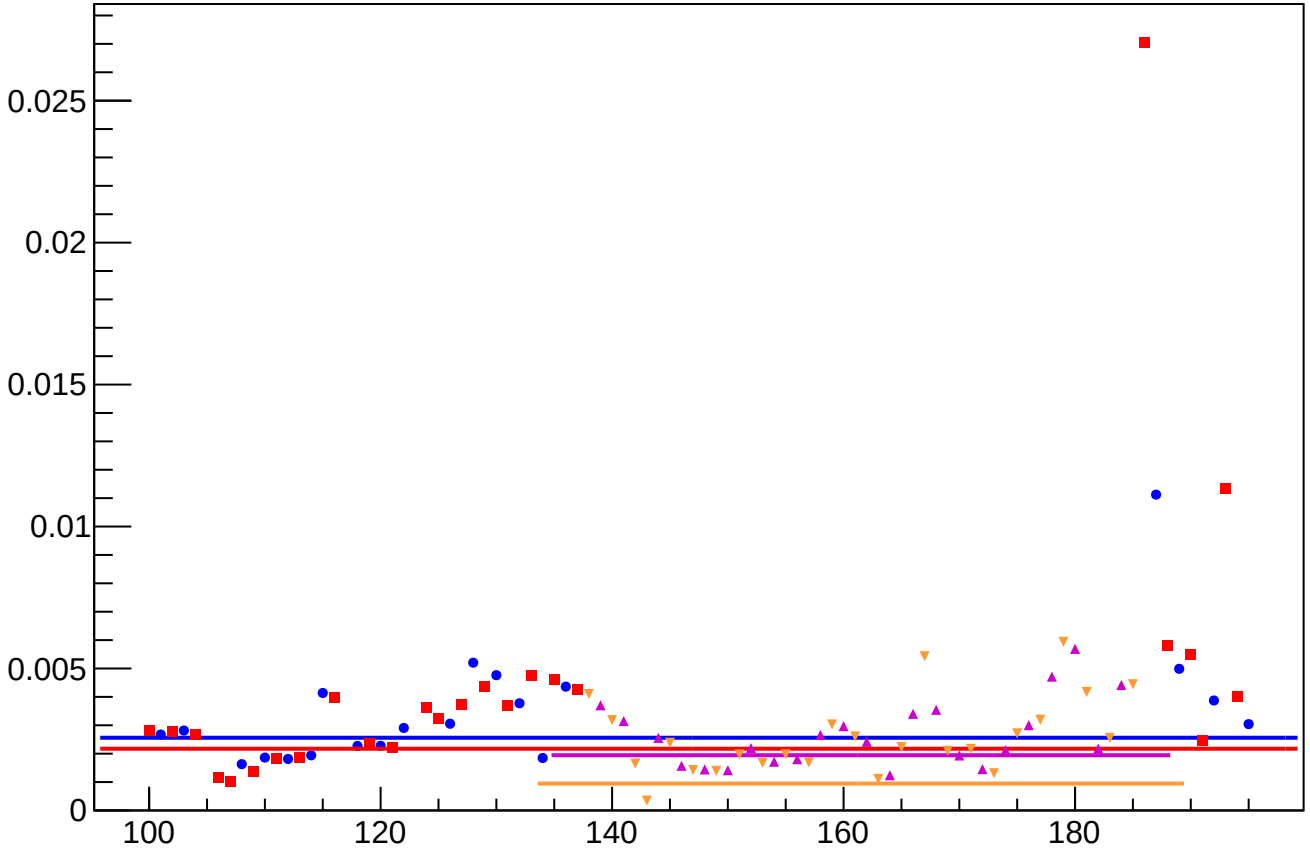
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 95.8/44

All: -0.000+/-0.000 χ^2/NDF: 151.4/92

- sign -0.000+/-0.000 χ^2/NDF: 55.6/47

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2296781.4/19

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

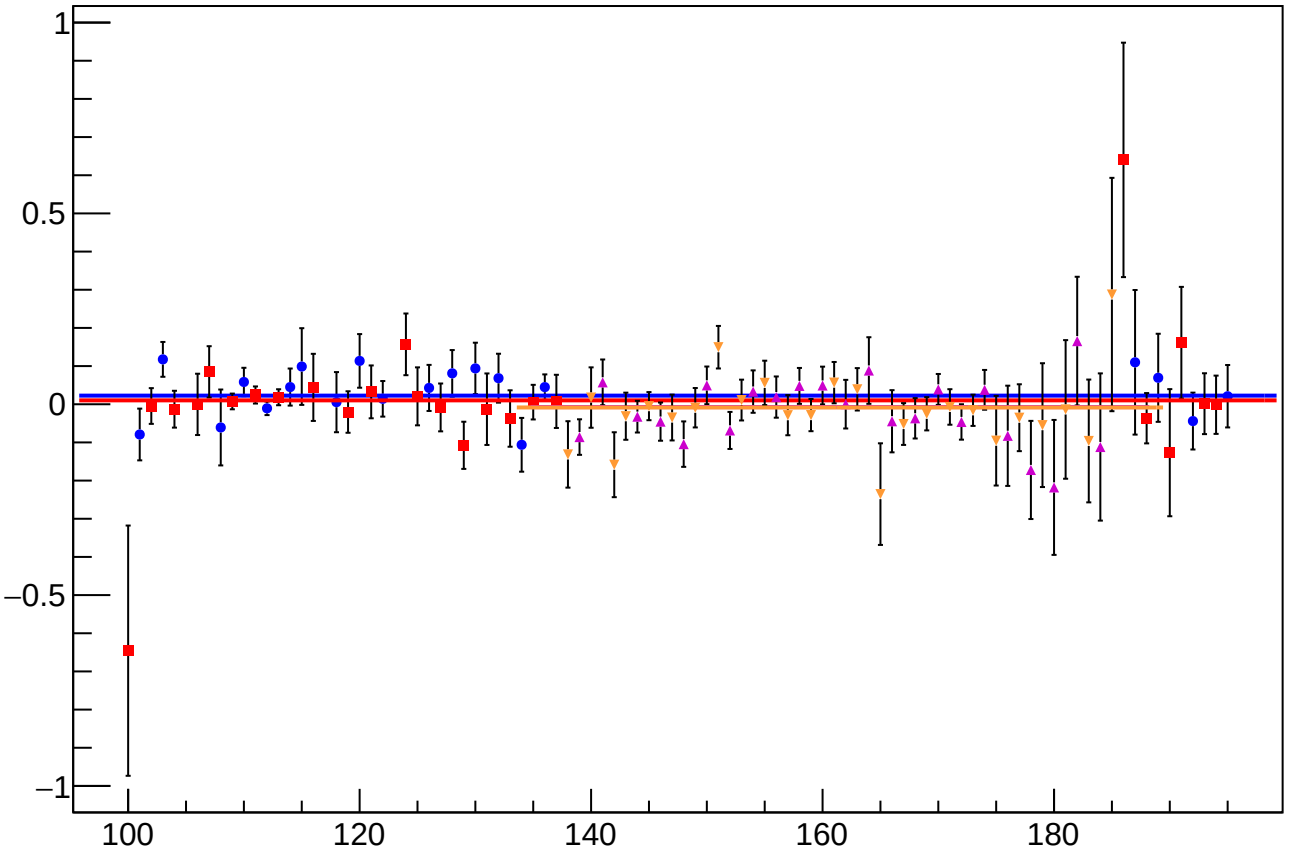
Right Out: 0.002+/-0.000 χ^2/NDF: 5770433.2/24

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: 42357395.7/92

- sign 0.002+/-0.000 χ^2/NDF: 10255251.8/47



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: 0.010+/-0.010 χ^2/NDF: 20.7/24

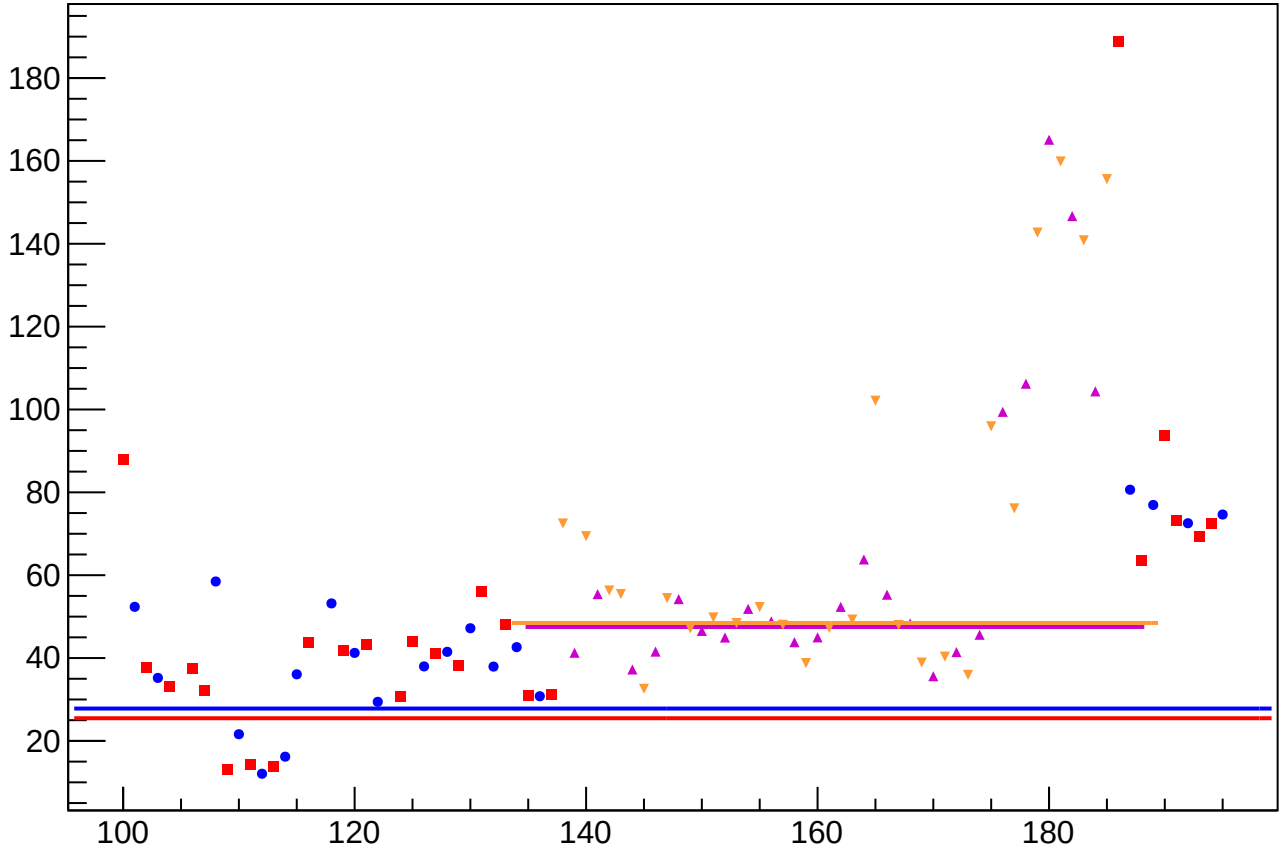
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.006+/-0.005 χ^2/NDF: 94.3/92

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

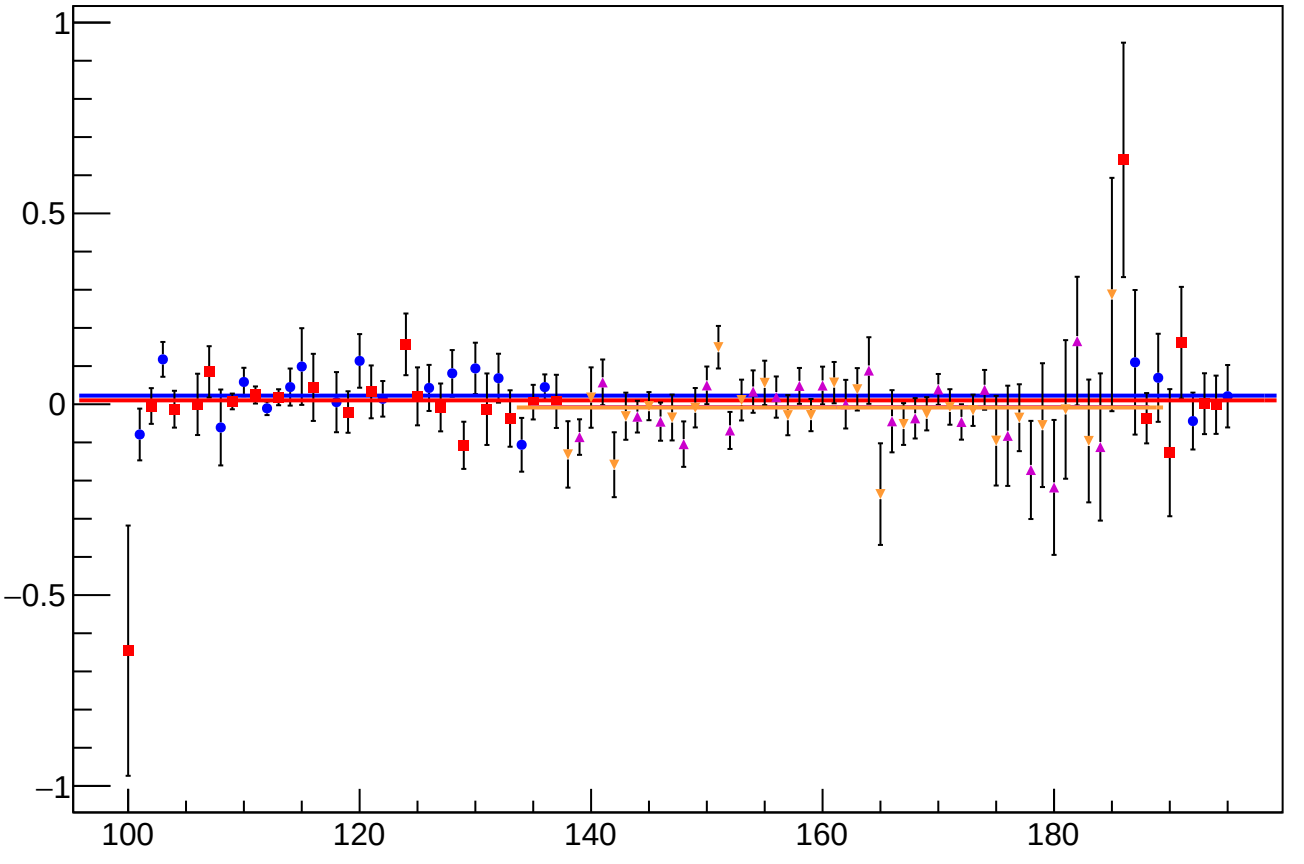
Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.038+/-0.006 χ^2/NDF: 12572450.5/44

All: 35.378+/-0.004 χ^2/NDF: 26403394.0/92

- sign 33.943+/-0.005 χ^2/NDF: 13671353.2/47



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

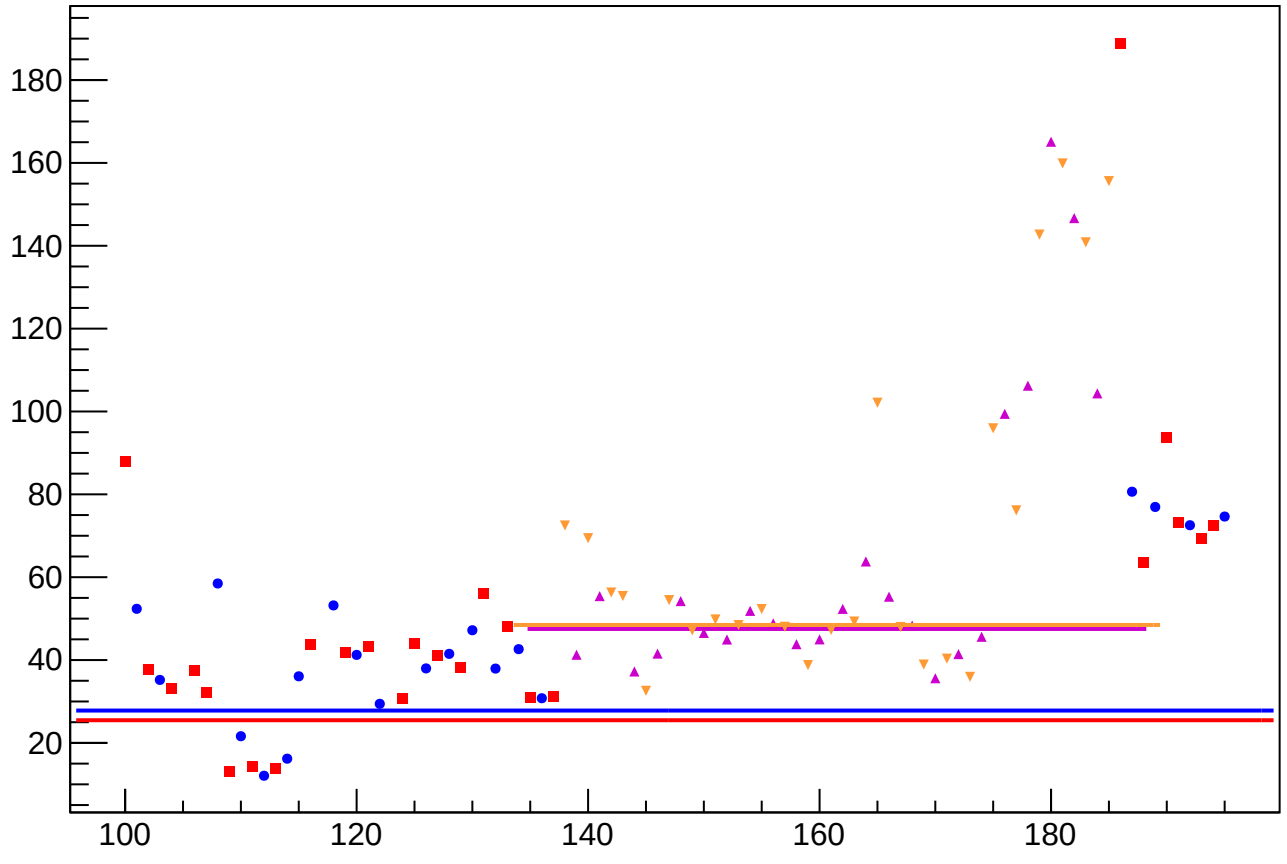
Right Out: 0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.8/44

All: 0.006+/-0.005 χ^2/NDF: 94.3/92

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

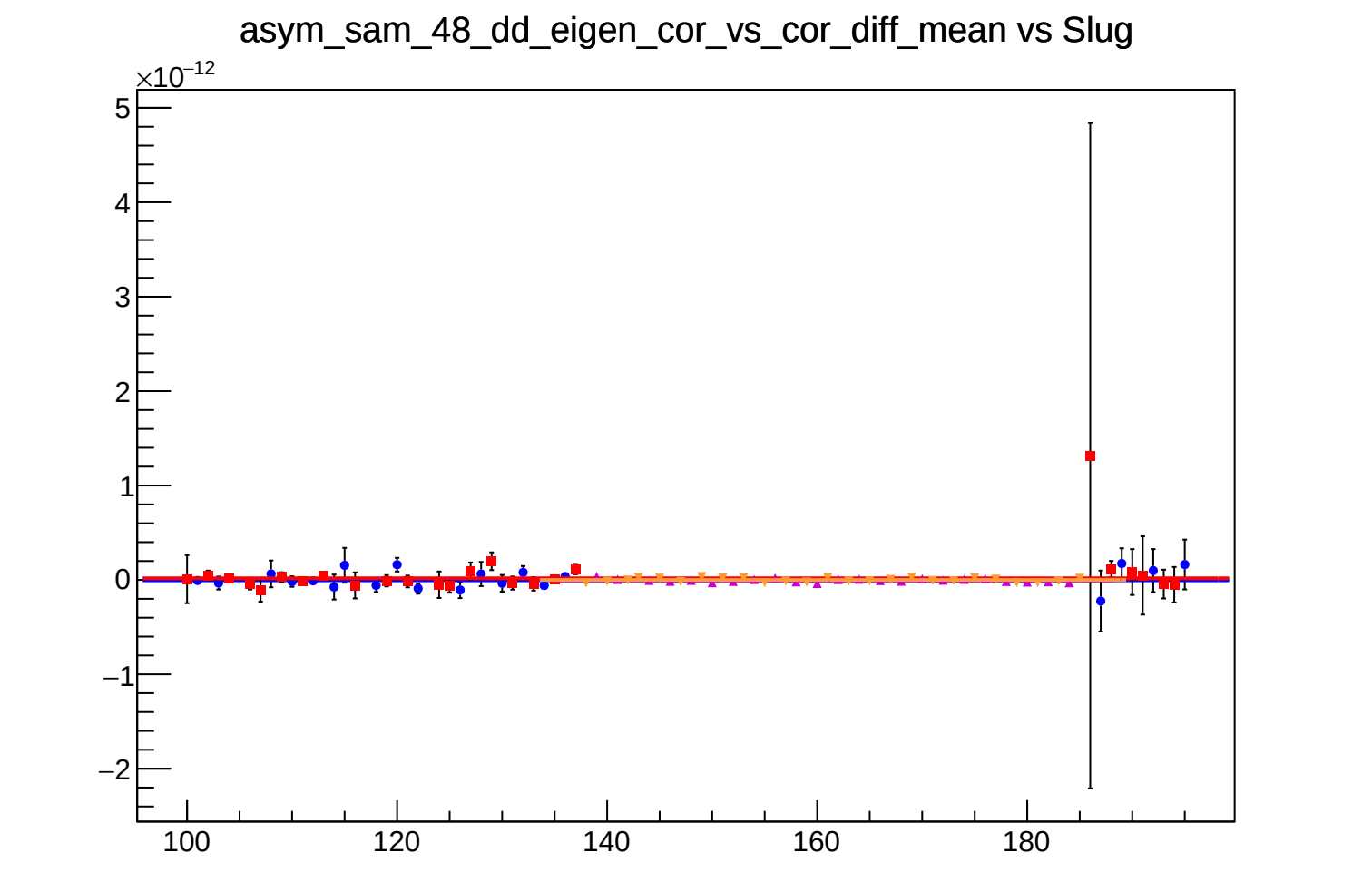
Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.038+/-0.006 χ^2/NDF: 12572450.5/44

All: 35.378+/-0.004 χ^2/NDF: 26403394.0/92

- sign 33.943+/-0.005 χ^2/NDF: 13671353.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

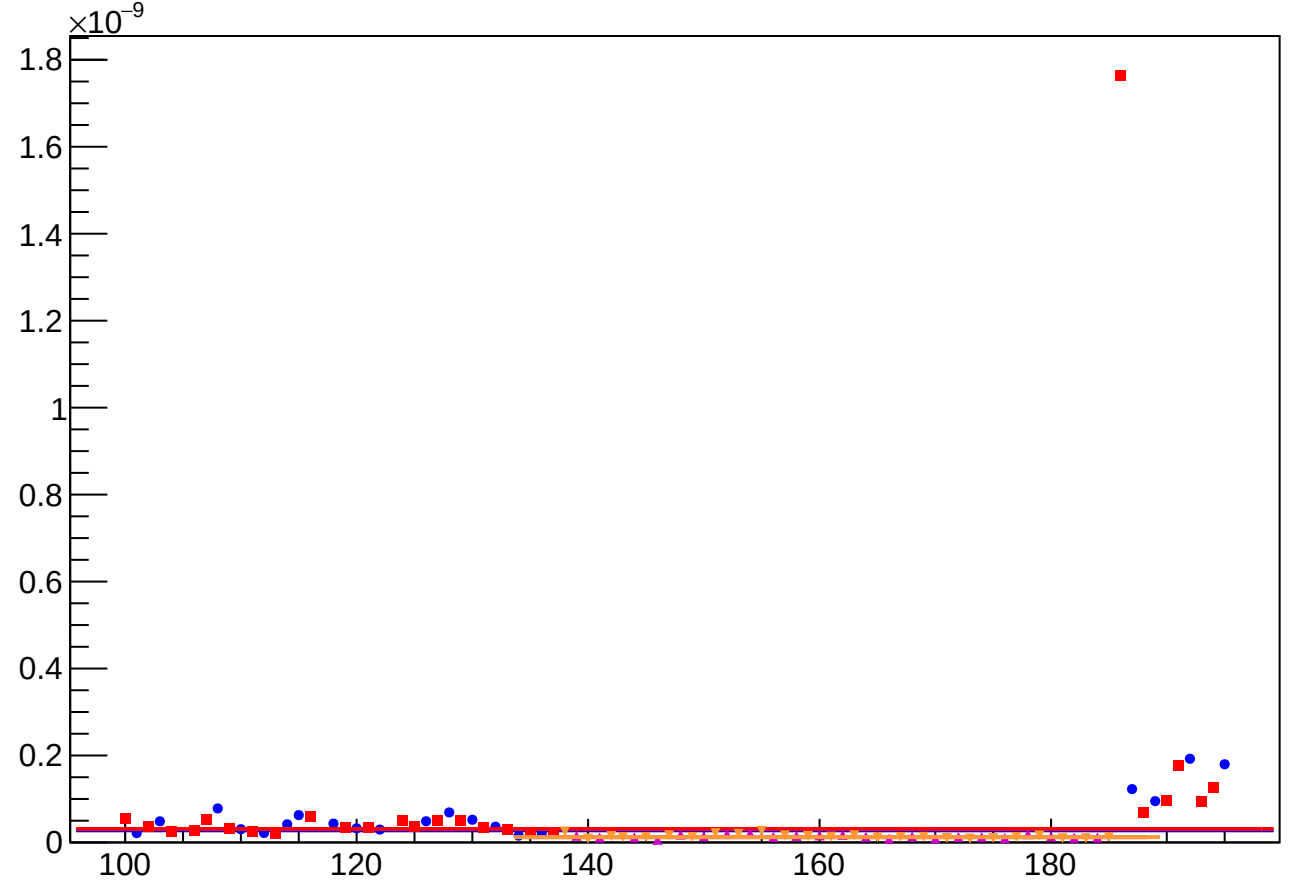
Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/24

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: 91.8/92

\- sign -0.000+/-0.000 χ^2/NDF: 38.7/47



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: 3059446.2/24

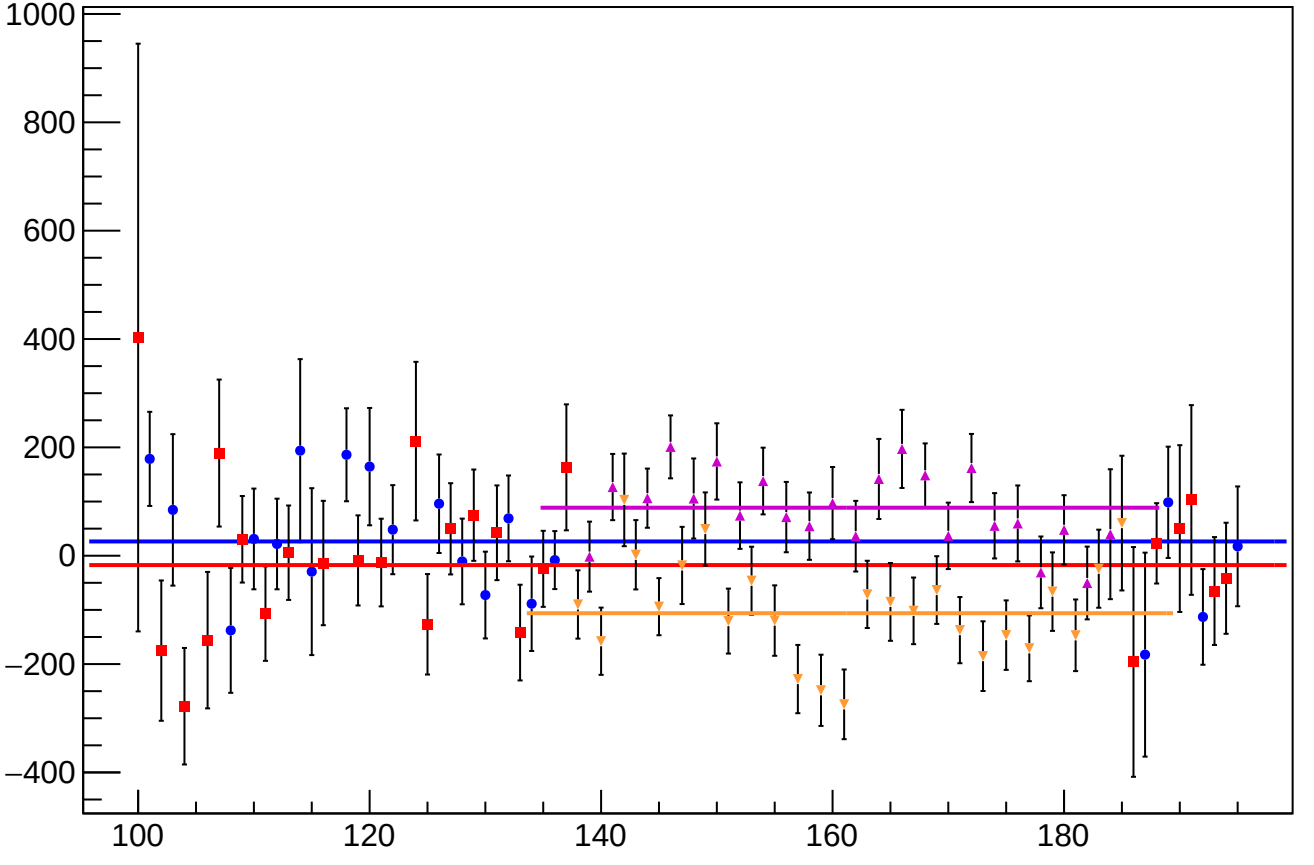
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8723712.7/44

All: 0.000+/-0.000 χ^2/NDF: 17557891.4/92

- sign 0.000+/-0.000 χ^2/NDF: 8831818.6/47

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: -17.253+/-19.938 χ^2/NDF: 25.5/24

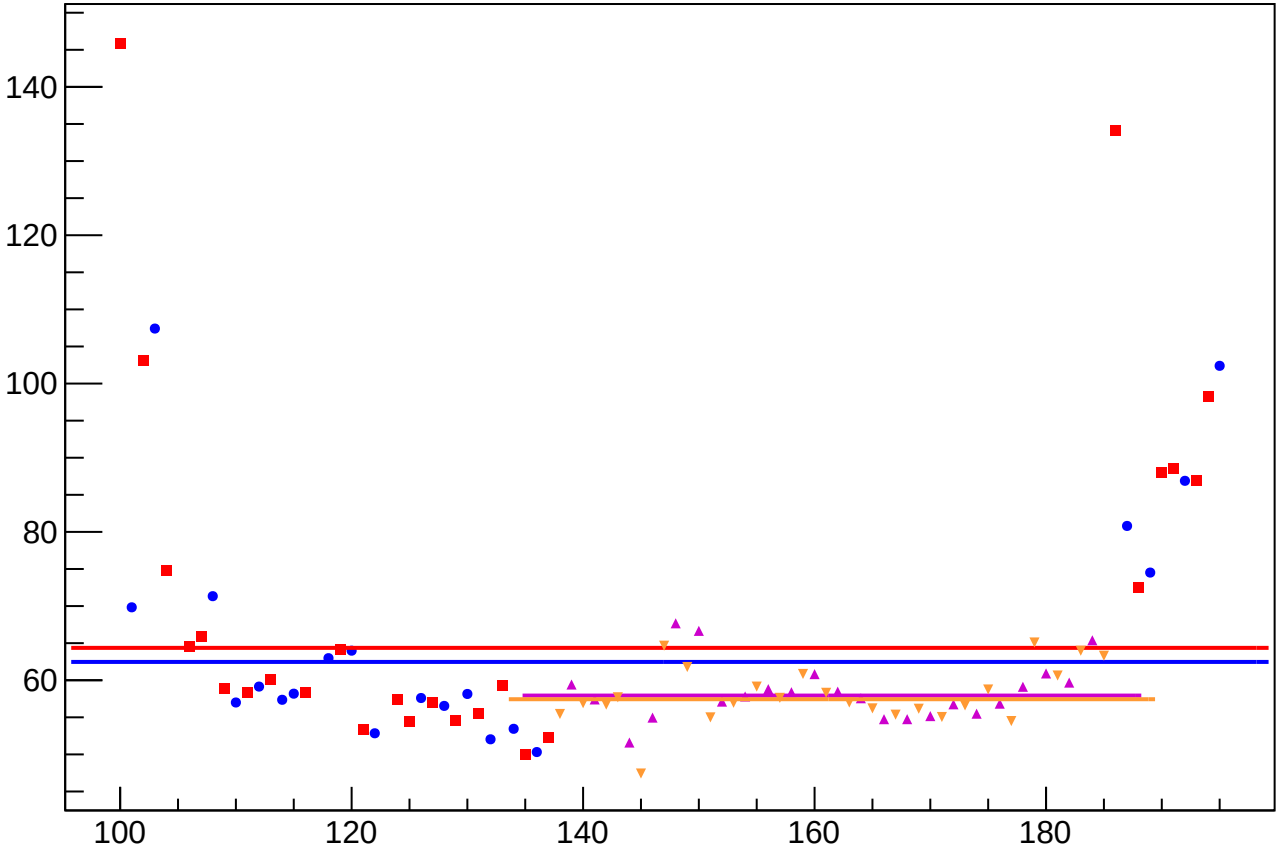
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -67.799+/-11.036 χ^2/NDF: 90.9/44

All: -7.338+/-7.866 χ^2/NDF: 220.5/92

- sign 55.115+/-11.216 χ^2/NDF: 68.6/47

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: 64.365+/-0.014 χ^2/NDF: 1159072.0/24

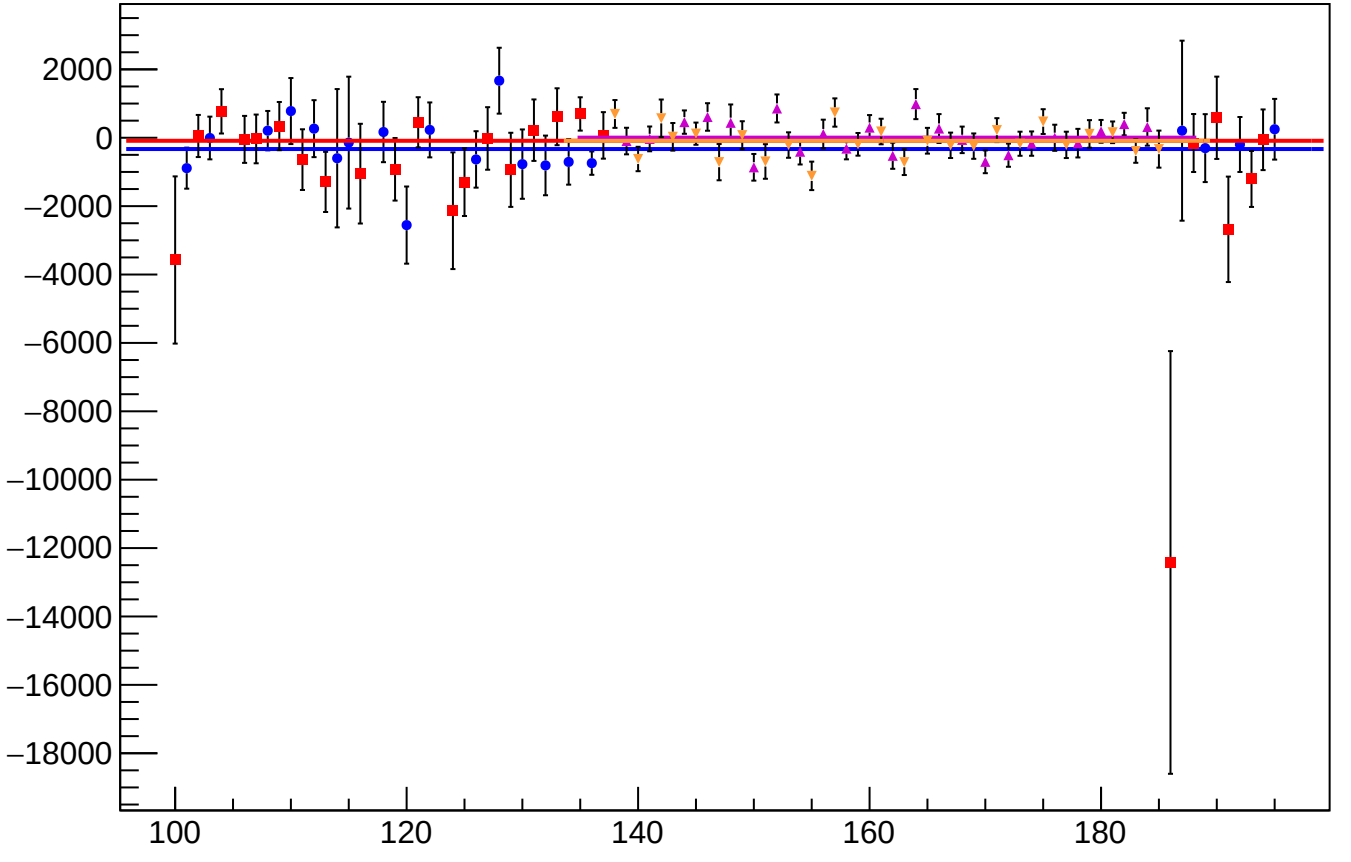
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176508.1/44

All: 59.423+/-0.006 χ^2/NDF: 2623077.3/92

- sign 59.968+/-0.008 χ^2/NDF: 1437255.0/47

asym_sam_13_57_dd_reg_correction_mean vs Slug



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: -88.761+/-168.735 χ^2/NDF: 24.3/24

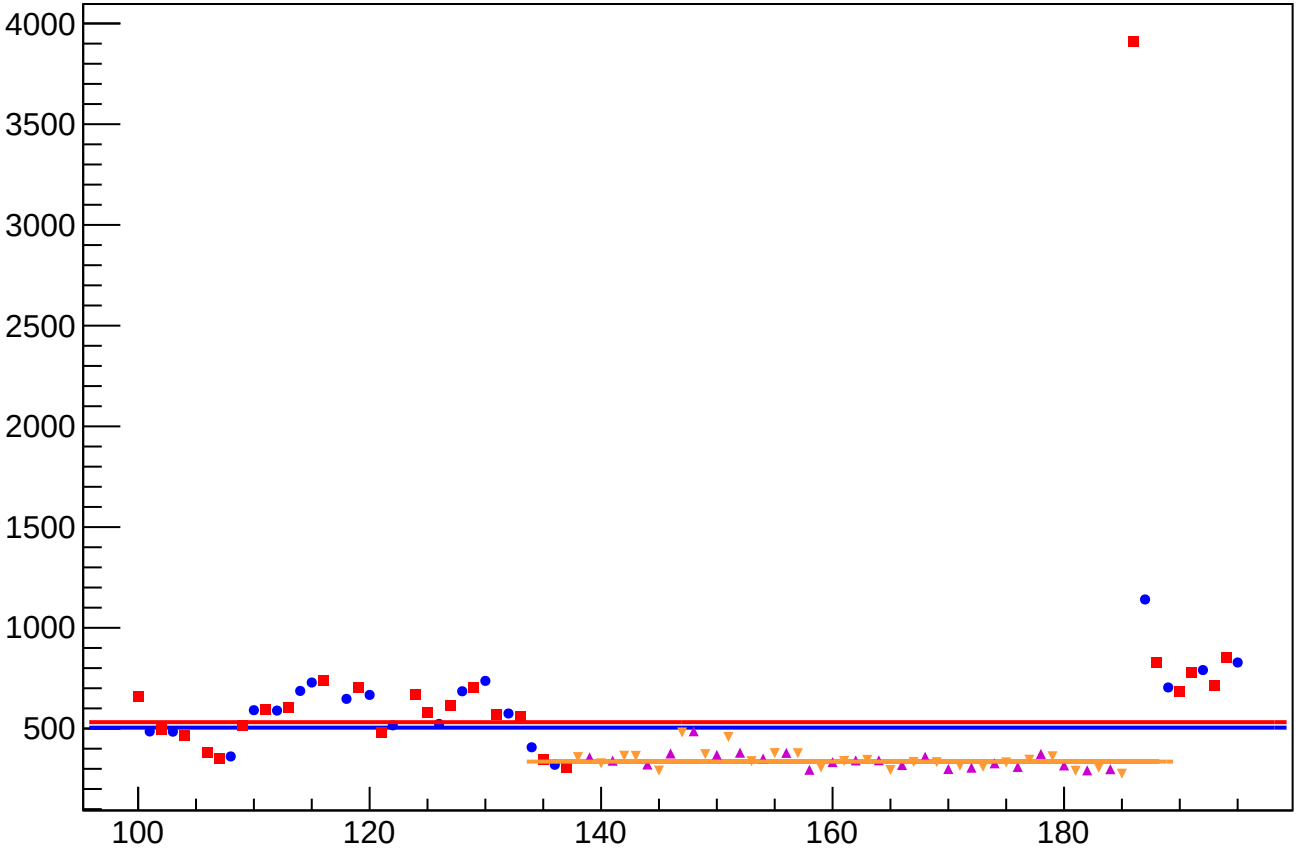
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -130.115+/-70.143 χ^2/NDF: 47.3/44

All: -73.092+/-50.137 χ^2/NDF: 106.8/92

- sign -13.527+/-71.690 χ^2/NDF: 58.1/47

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: 531.677+/-0.119 χ^2/NDF: 2292579.2/24

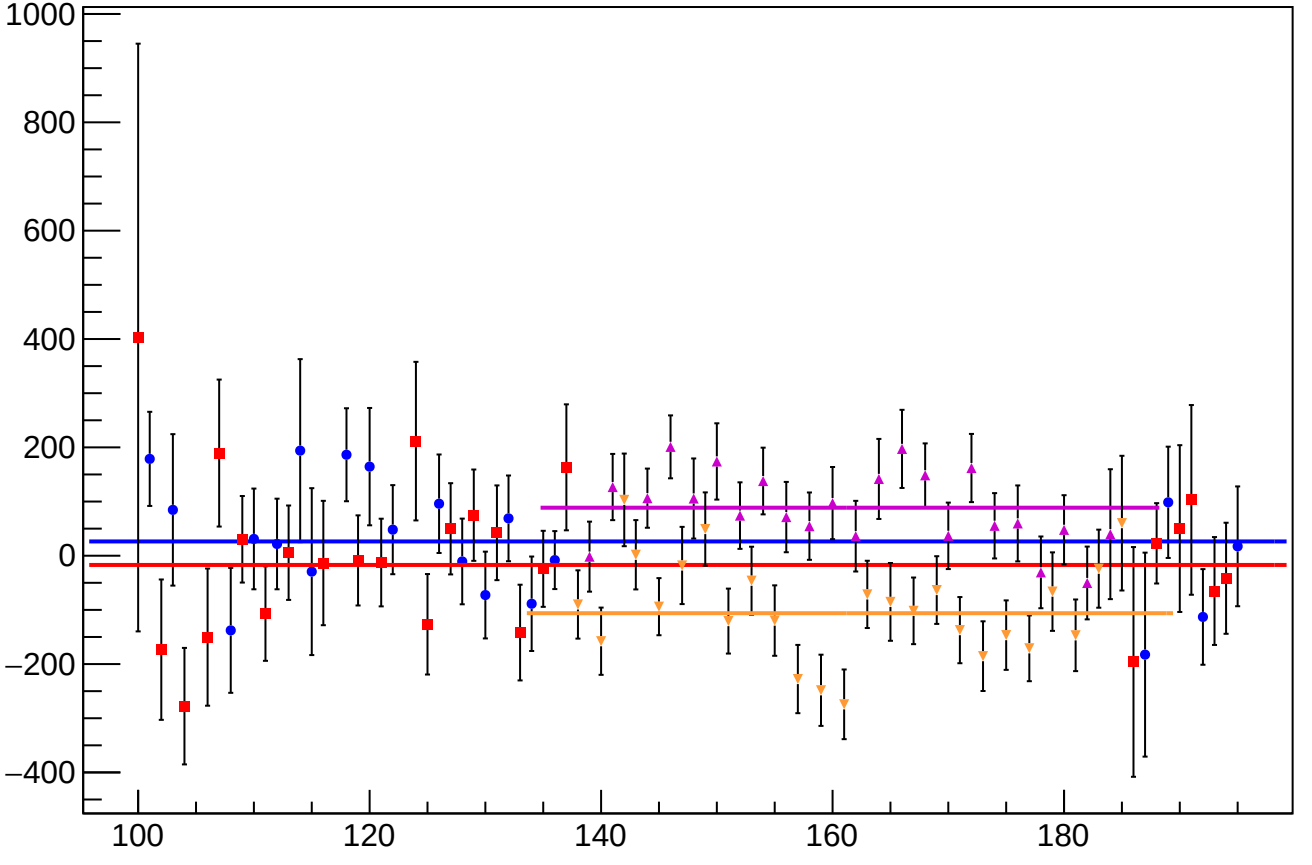
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 364.619+/-0.050 χ^2/NDF: 3998670.8/44

All: 368.035+/-0.035 χ^2/NDF: 8911581.9/92

- sign 371.603+/-0.051 χ^2/NDF: 4903214.0/47

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: -17.028+/-19.941 χ^2/NDF: 25.3/24

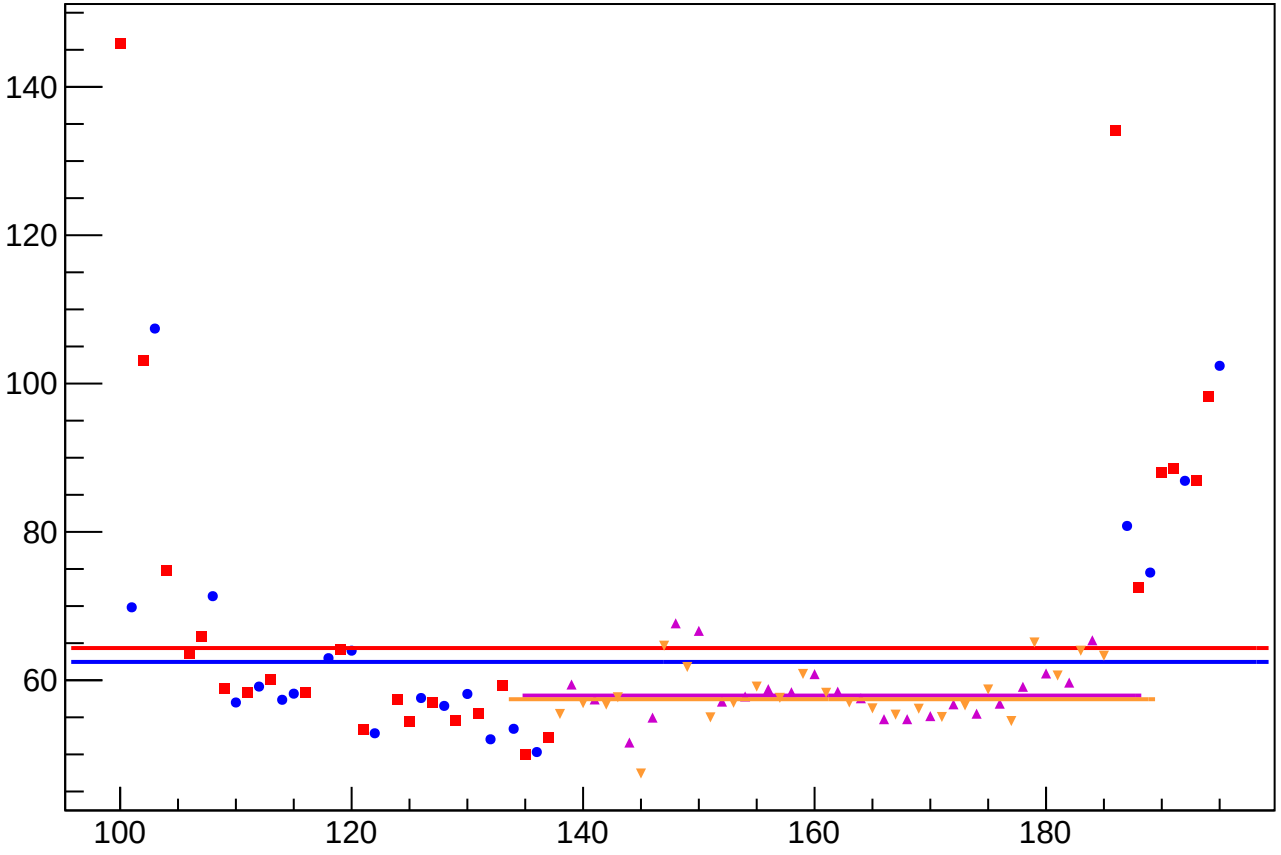
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.800+/-11.036 χ^2/NDF: 90.9/44

All: -7.302+/-7.867 χ^2/NDF: 220.4/92

- sign 55.195+/-11.217 χ^2/NDF: 68.4/47

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

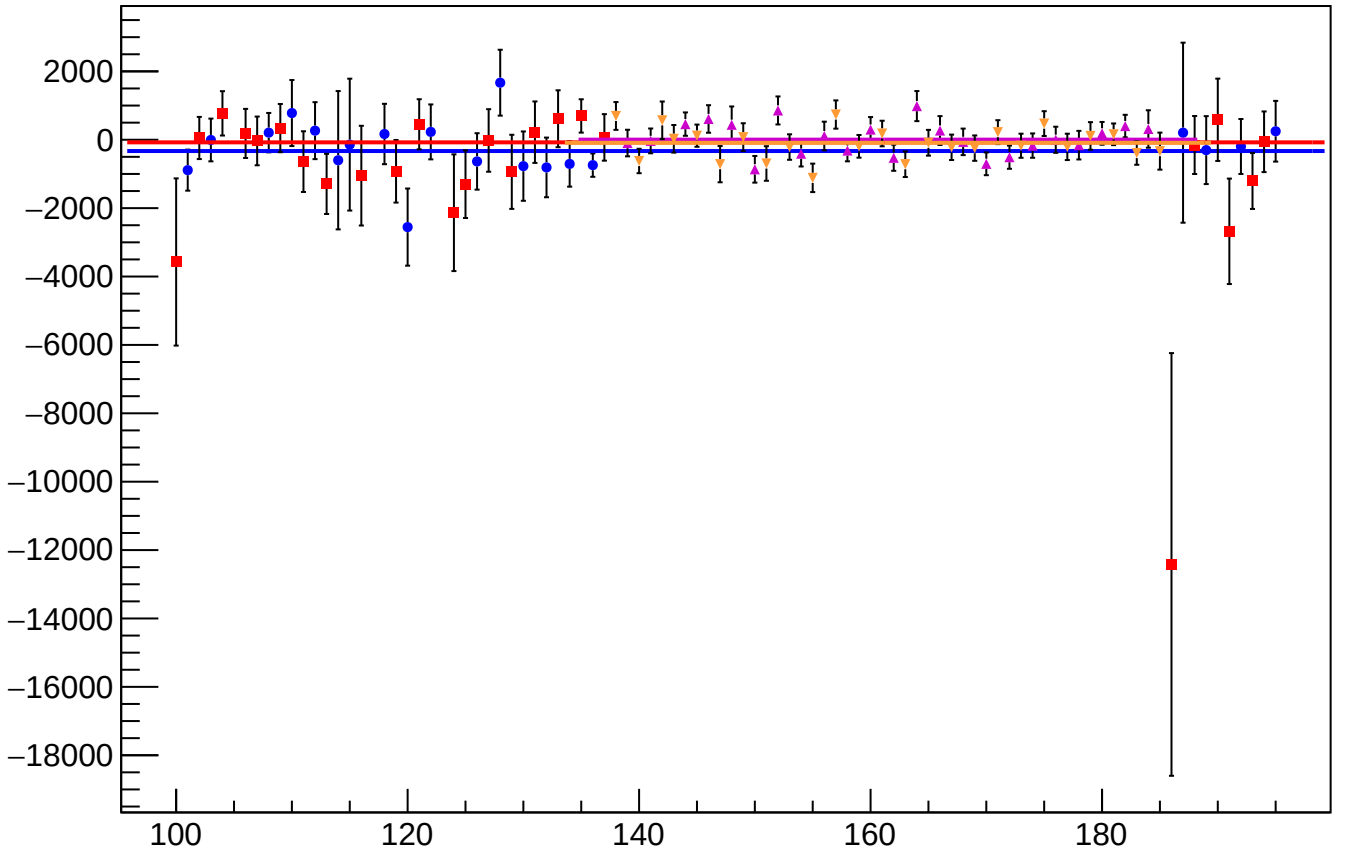
Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176510.2/44

All: 59.419+/-0.006 χ^2/NDF: 2622119.4/92

- sign 59.960+/-0.008 χ^2/NDF: 1436435.6/47



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: -76.064+/-169.177 χ^2/NDF: 24.4/24

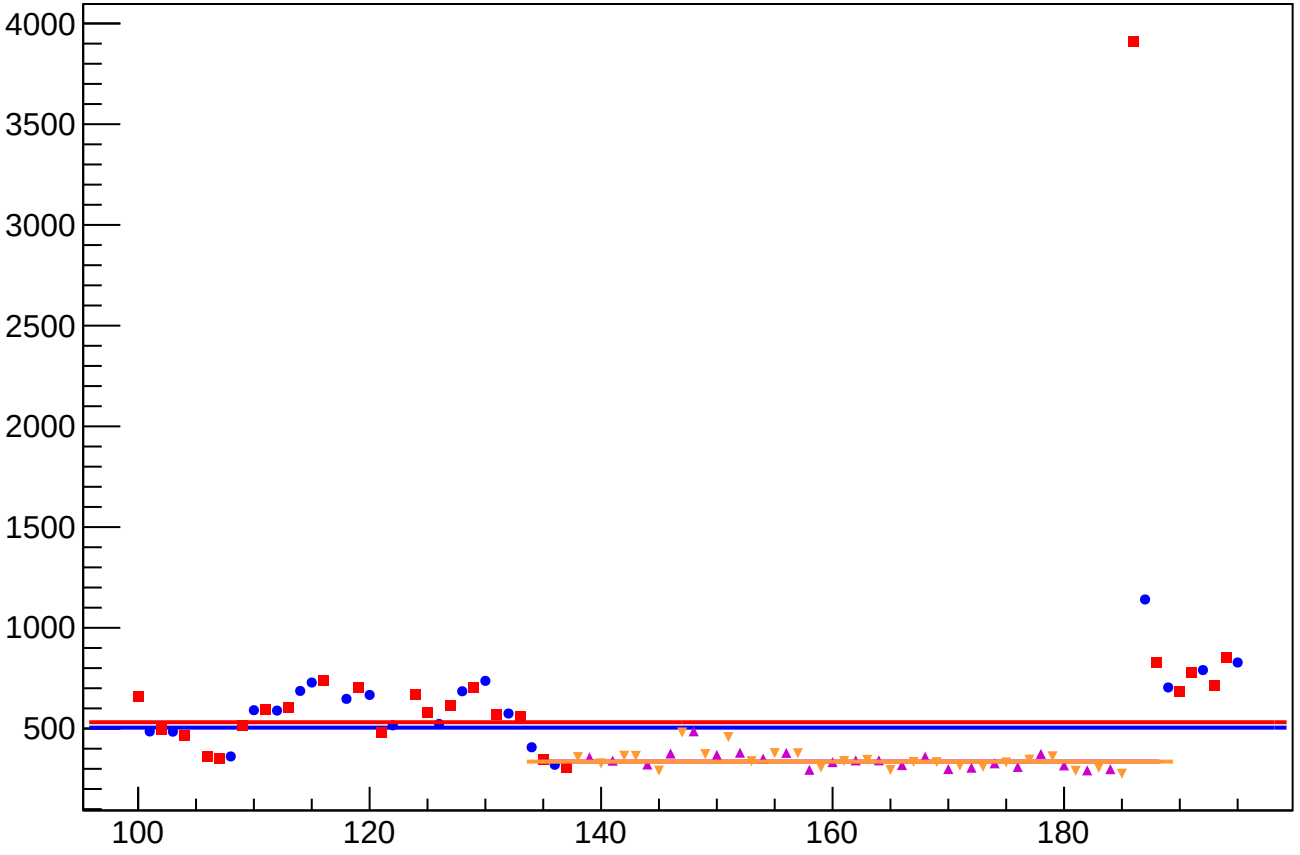
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -130.111+/-70.144 χ^2/NDF: 47.3/44

All: -71.966+/-50.148 χ^2/NDF: 106.9/92

- sign -11.172+/-71.724 χ^2/NDF: 58.2/47

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: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

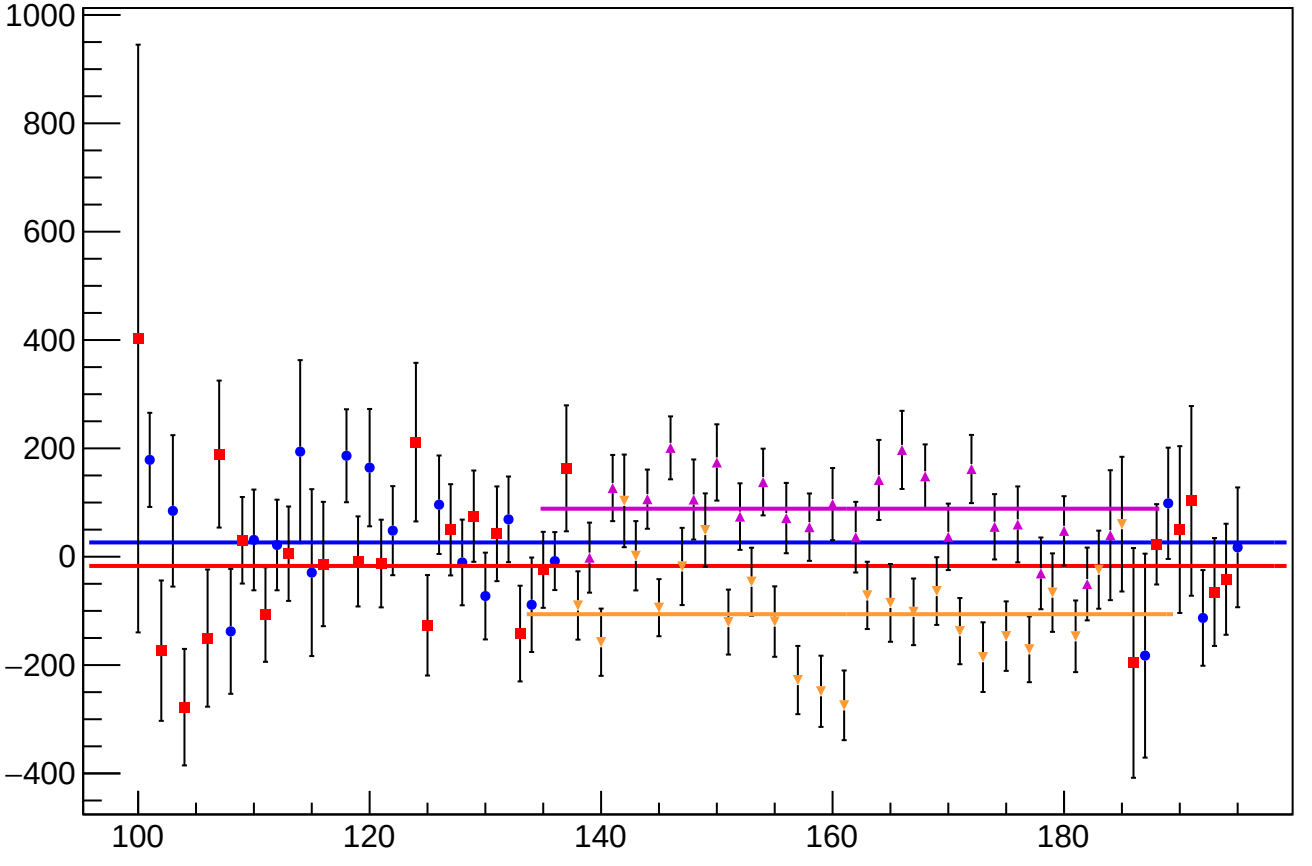
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 364.620+/-0.050 χ^2/NDF: 3998698.6/44

All: 367.929+/-0.035 χ^2/NDF: 8911494.9/92

- sign 371.388+/-0.051 χ^2/NDF: 4903692.1/47

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: -17.028+/-19.941 χ^2/NDF: 25.3/24

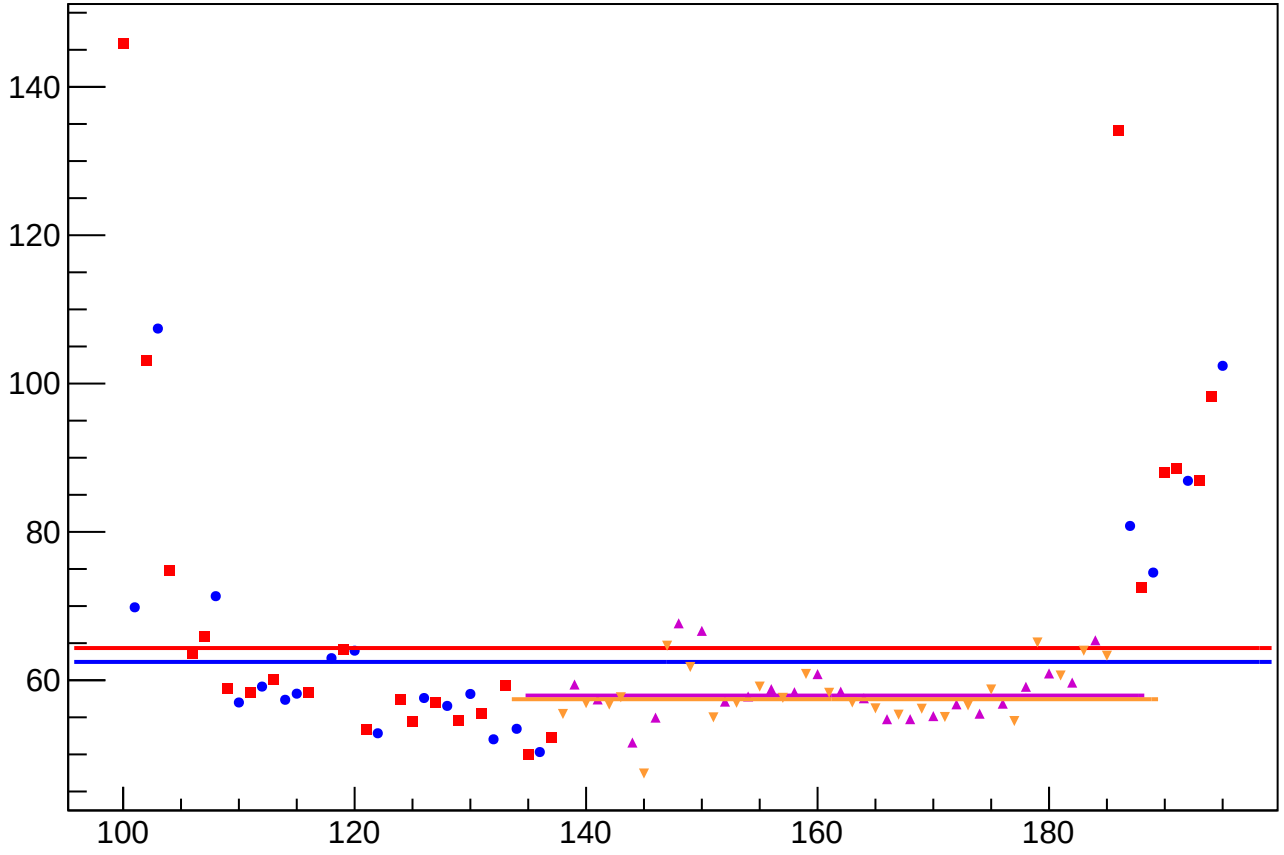
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.800+/-11.036 χ^2/NDF: 90.9/44

All: -7.302+/-7.867 χ^2/NDF: 220.4/92

- sign 55.195+/-11.217 χ^2/NDF: 68.4/47

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

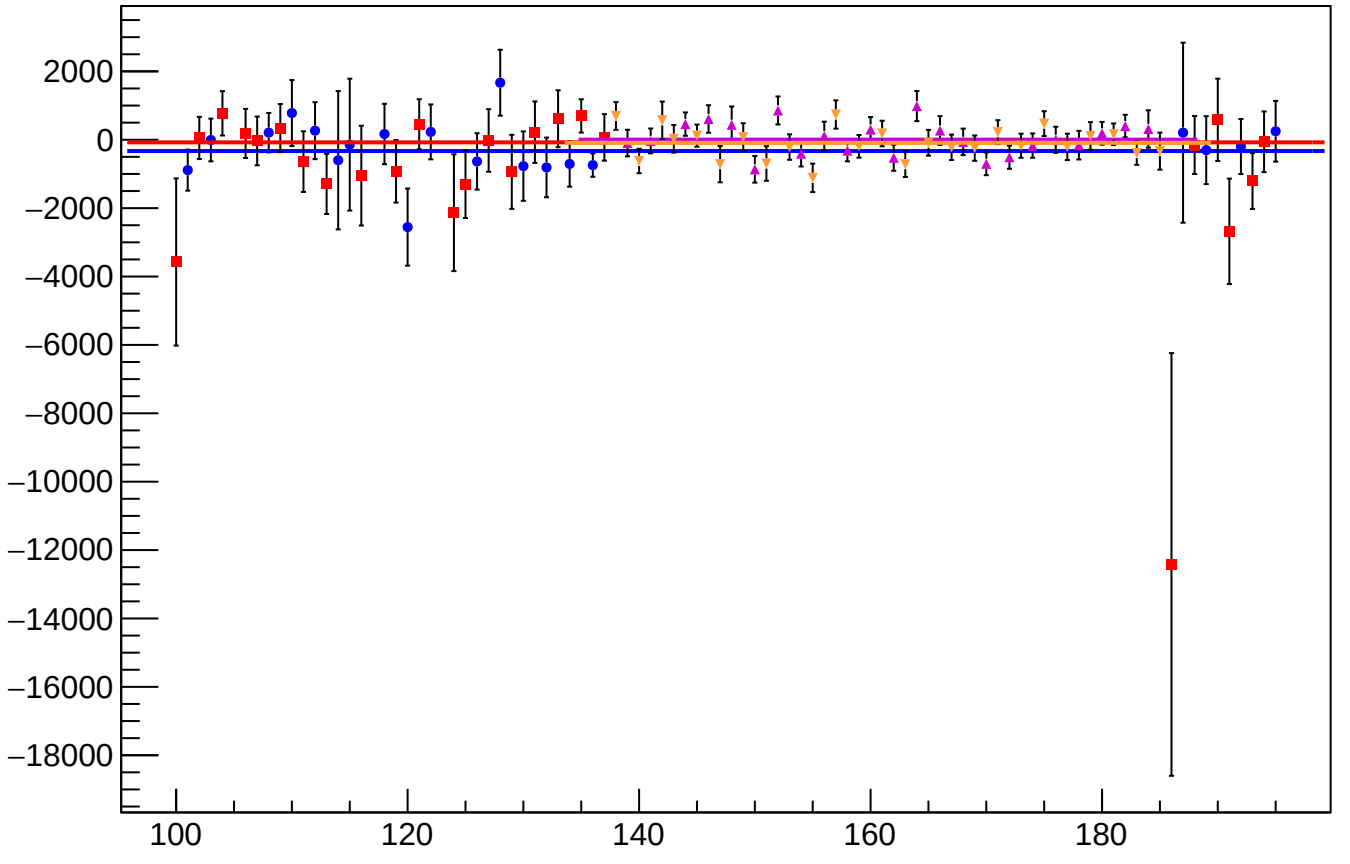
Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.894+/-0.008 χ^2/NDF: 1176510.2/44

All: 59.419+/-0.006 χ^2/NDF: 2622119.4/92

- sign 59.960+/-0.008 χ^2/NDF: 1436435.6/47



Right In: -329.965+/-169.924 χ^2/NDF: 15.8/19

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

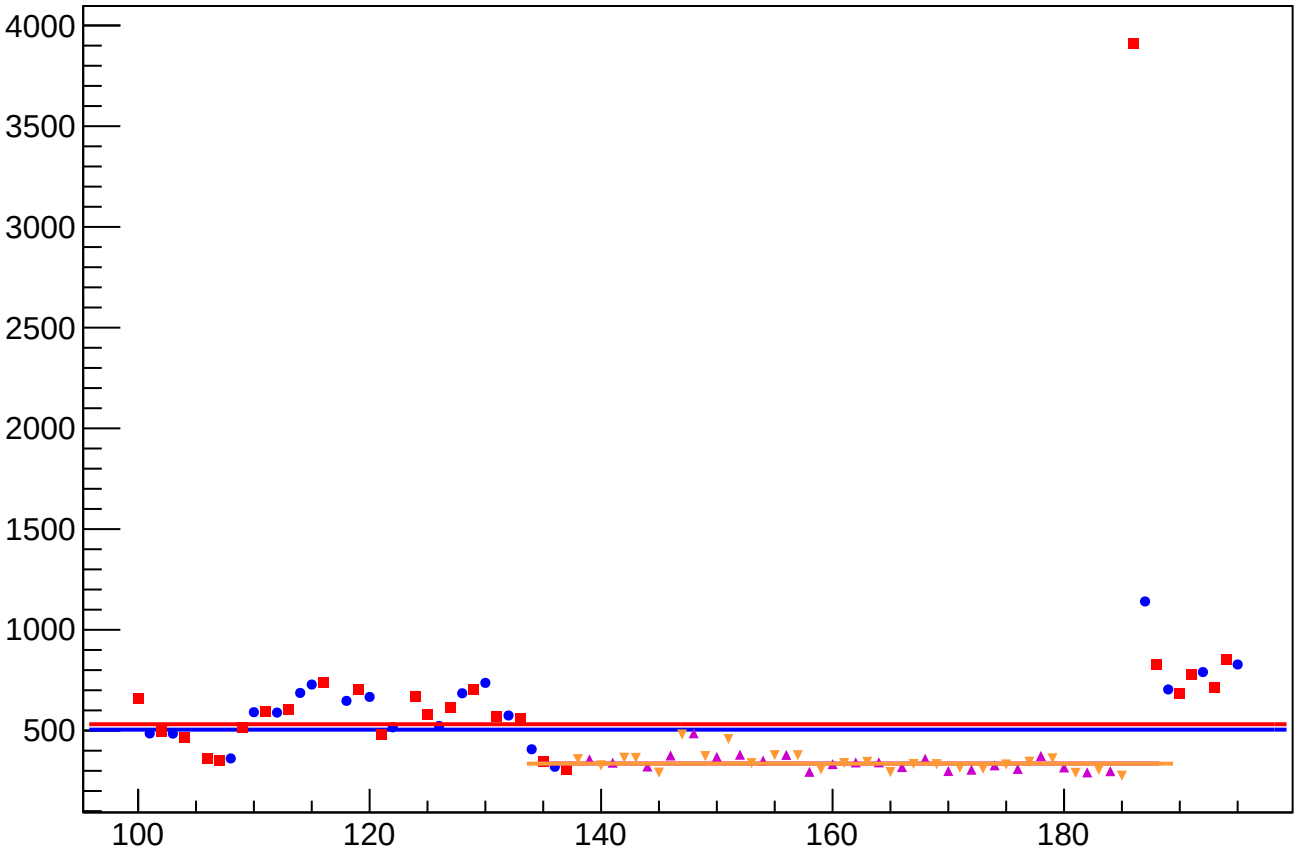
Right Out: -76.064+/-169.177 χ^2/NDF: 24.4/24

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -130.111+/-70.144 χ^2/NDF: 47.3/44

All: -71.966+/-50.148 χ^2/NDF: 106.9/92

- sign -11.172+/-71.724 χ^2/NDF: 58.2/47



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: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

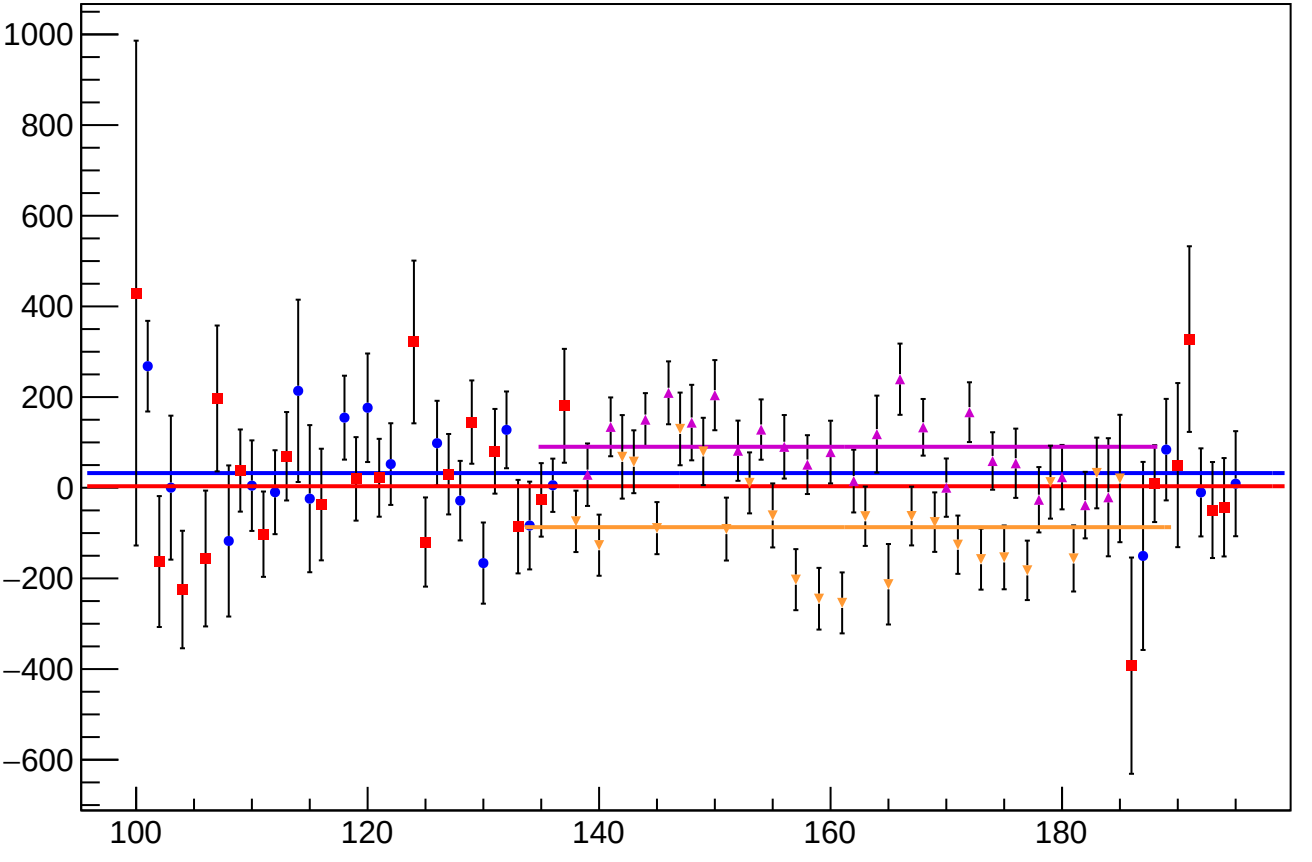
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 364.620+/-0.050 χ^2/NDF: 3998698.6/44

All: 367.929+/-0.035 χ^2/NDF: 8911494.9/92

- sign 371.388+/-0.051 χ^2/NDF: 4903692.1/47

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: 3.345+/-22.128 χ^2/NDF: 26.1/24

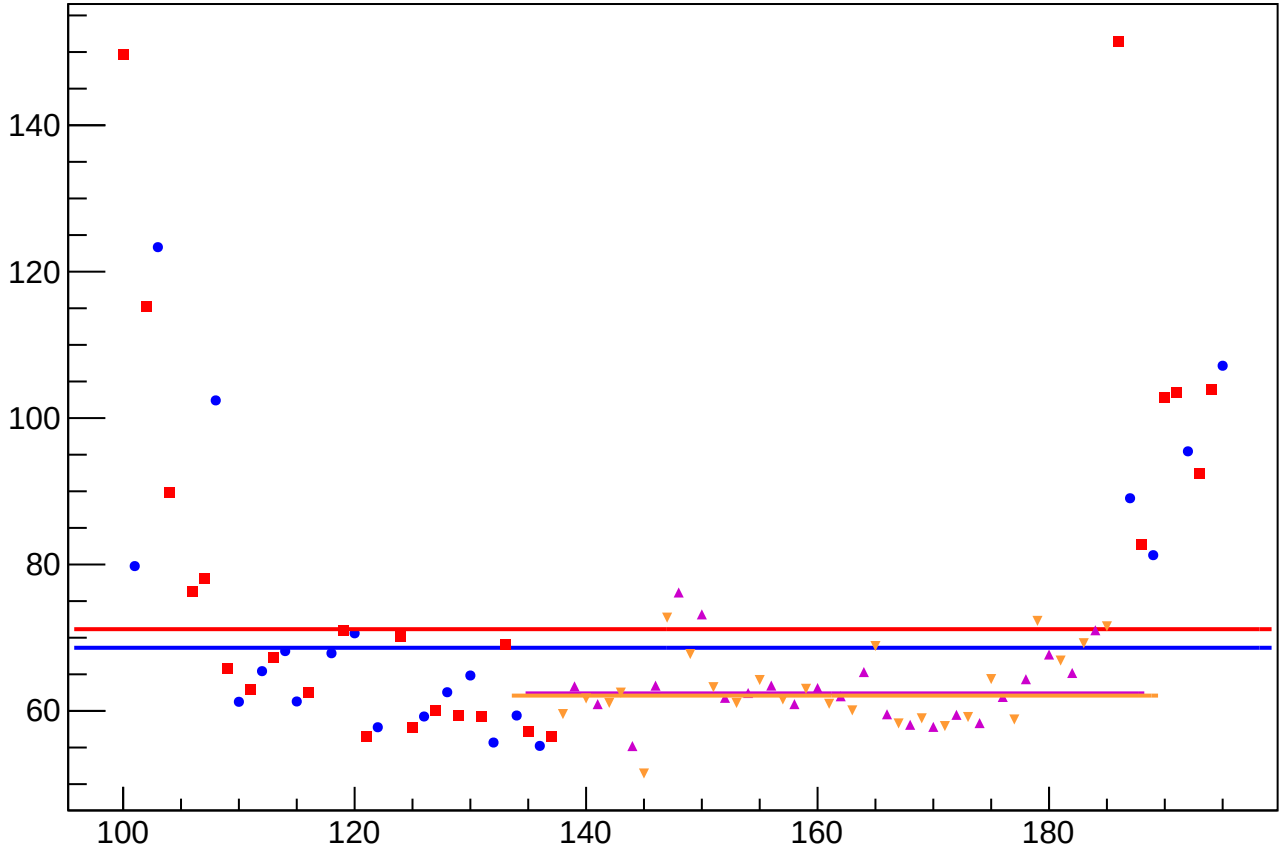
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.334+/-12.012 χ^2/NDF: 89.7/44

All: 4.246+/-8.566 χ^2/NDF: 198.4/92

- sign 63.829+/-12.219 χ^2/NDF: 61.9/47

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: 71.167+/-0.016 χ^2/NDF: 1228424.8/24

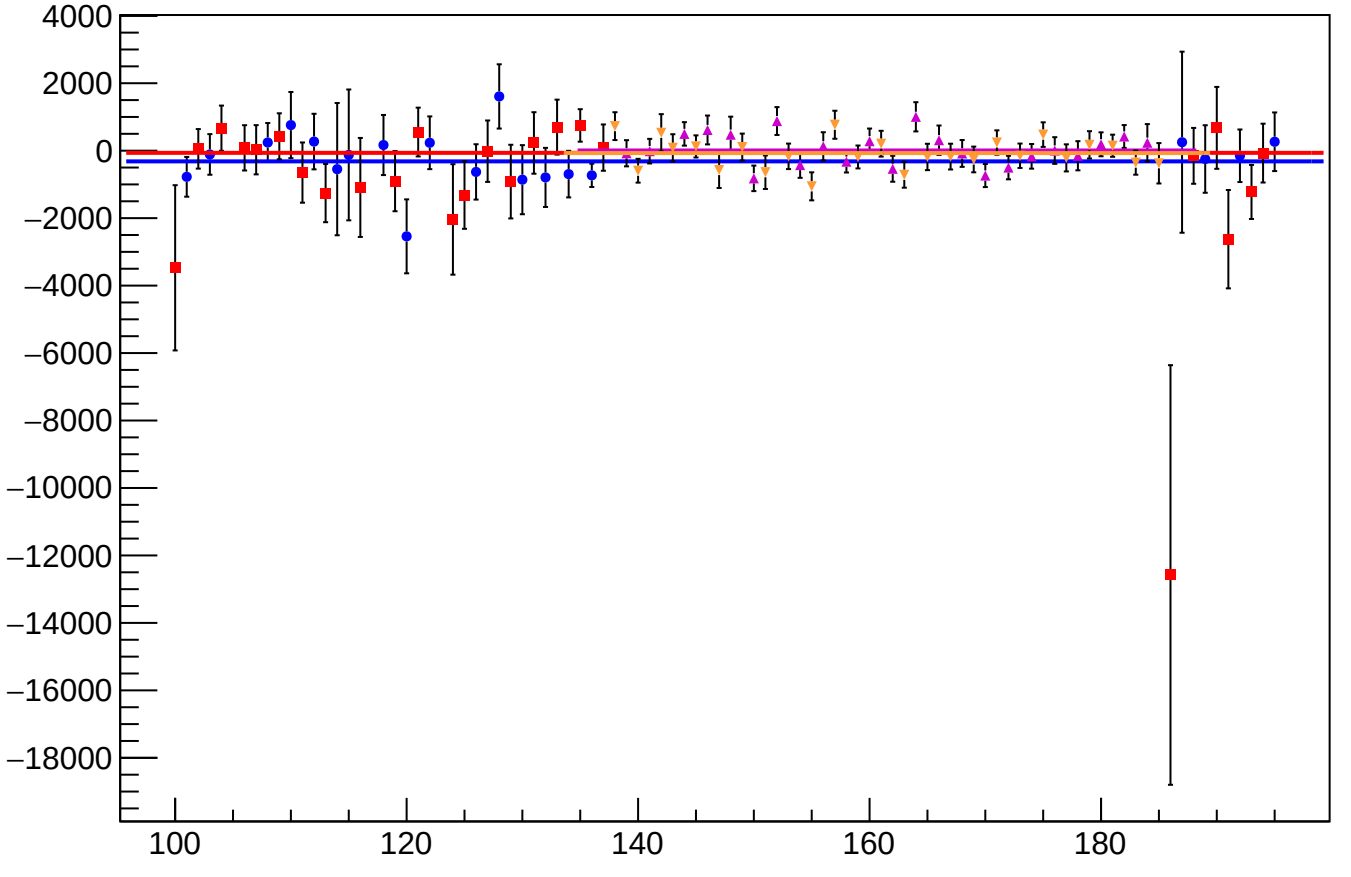
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 63.934+/-0.008 χ^2/NDF: 1365656.8/44

All: 64.492+/-0.006 χ^2/NDF: 3010112.4/92

- sign 65.070+/-0.009 χ^2/NDF: 1635671.6/47

asym_sam_13_57_dd_dit_correction_mean vs Slug



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: -64.057+/-167.040 χ^2/NDF: 25.3/24

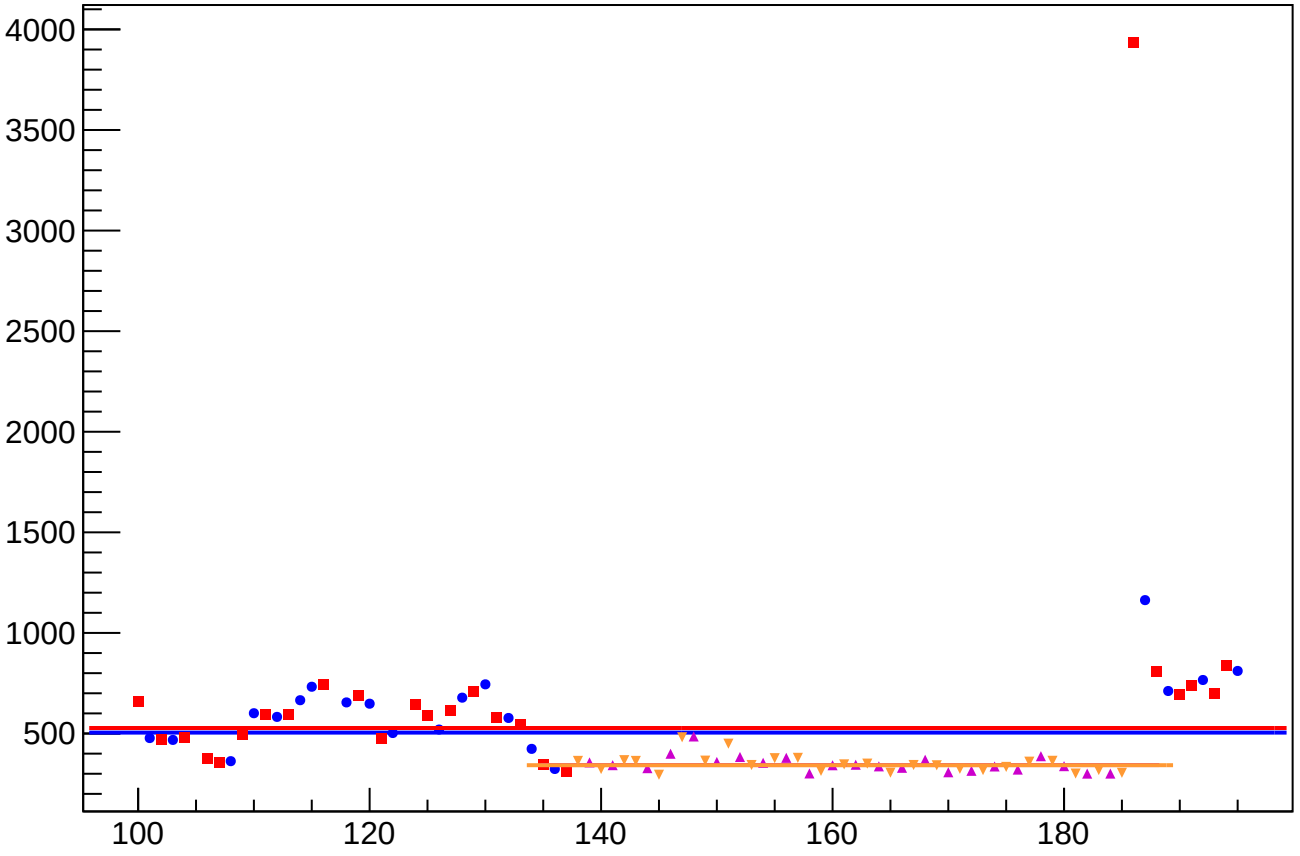
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -114.637+/-71.147 χ^2/NDF: 45.7/44

All: -62.067+/-50.851 χ^2/NDF: 106.2/92

- sign -7.164+/-72.708 χ^2/NDF: 59.4/47

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: 527.381+/-0.118 χ^2/NDF: 2238456.9/24

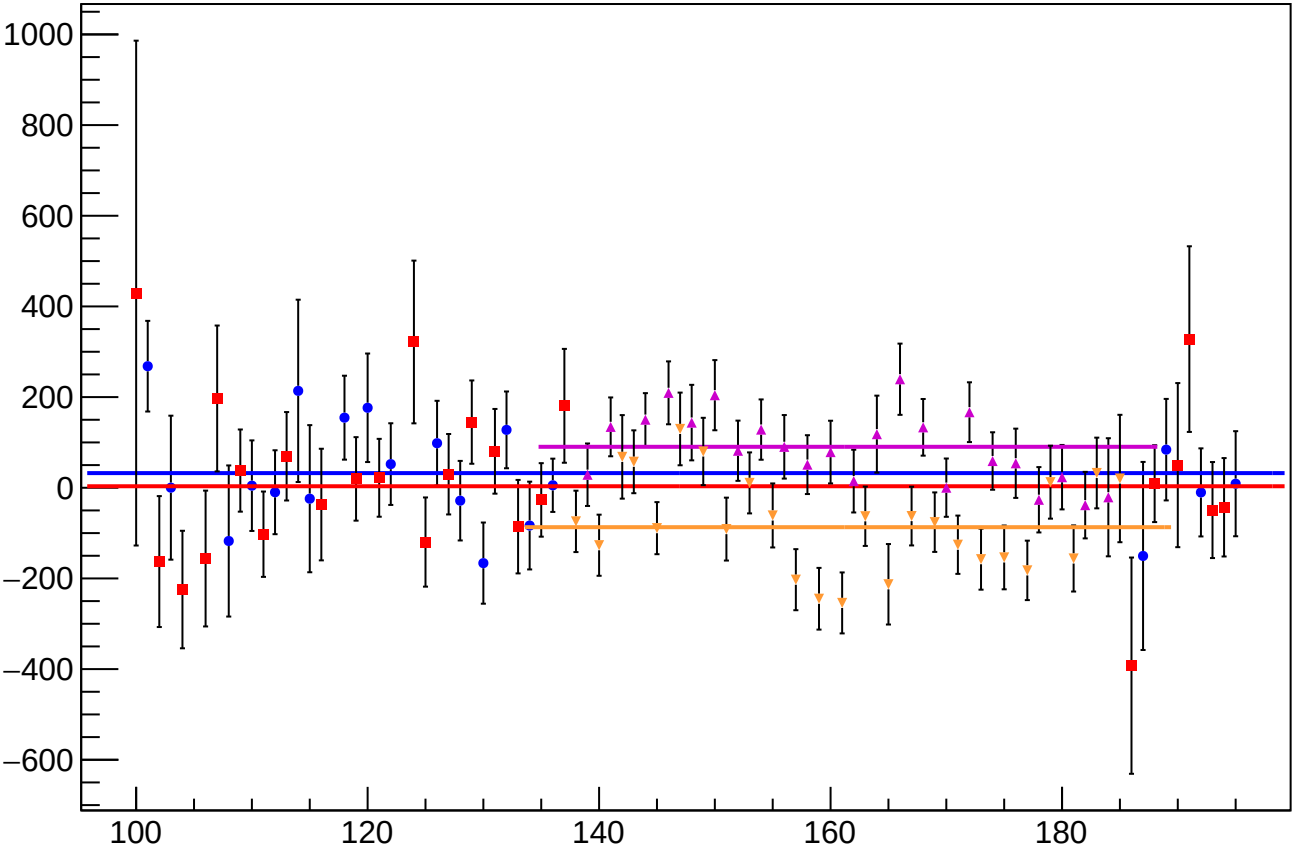
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 371.099+/-0.050 χ^2/NDF: 3691808.1/44

All: 374.539+/-0.036 χ^2/NDF: 8282710.6/92

- sign 378.132+/-0.051 χ^2/NDF: 4581343.6/47

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: 3.345+/-22.128 χ^2/NDF: 26.1/24

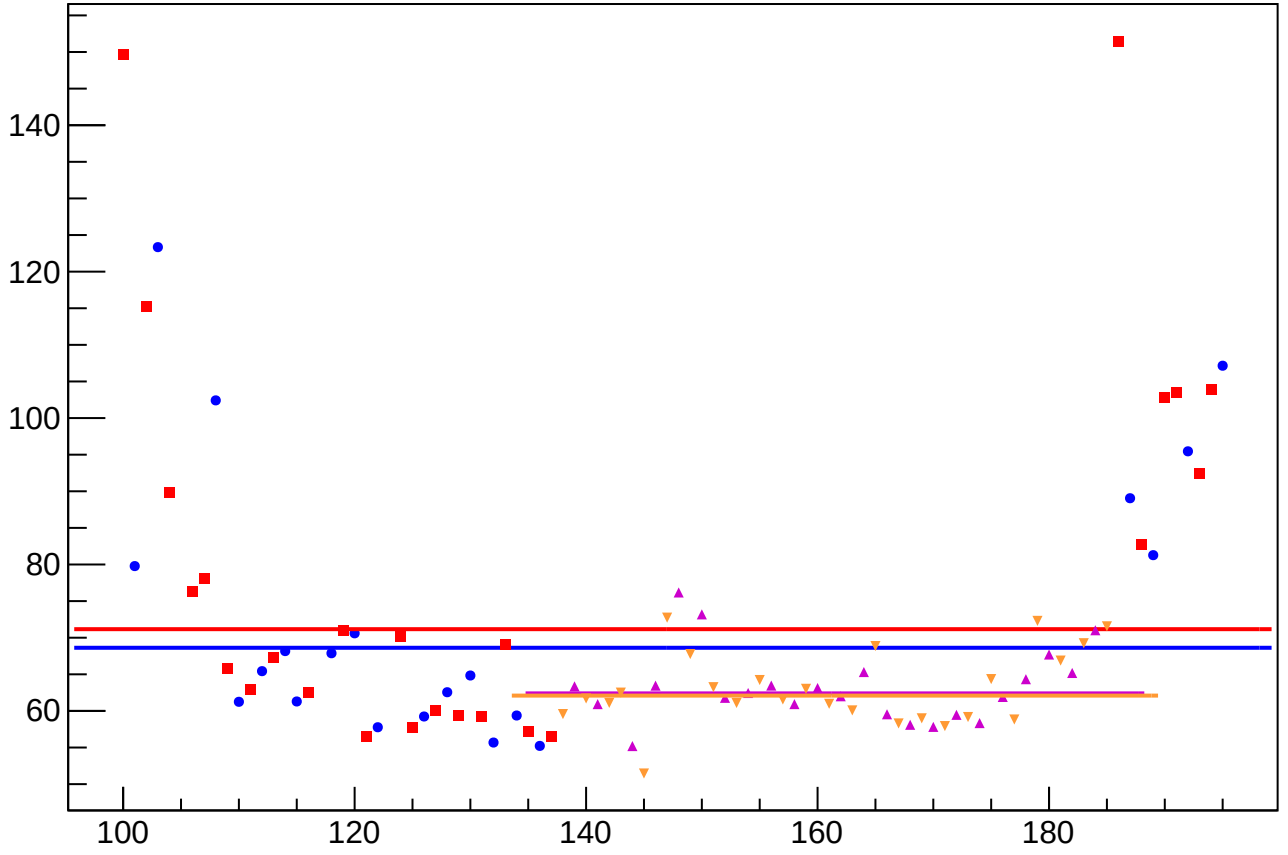
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.333+/-12.012 χ^2/NDF: 89.7/44

All: 4.246+/-8.566 χ^2/NDF: 198.4/92

- sign 63.829+/-12.219 χ^2/NDF: 61.9/47

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

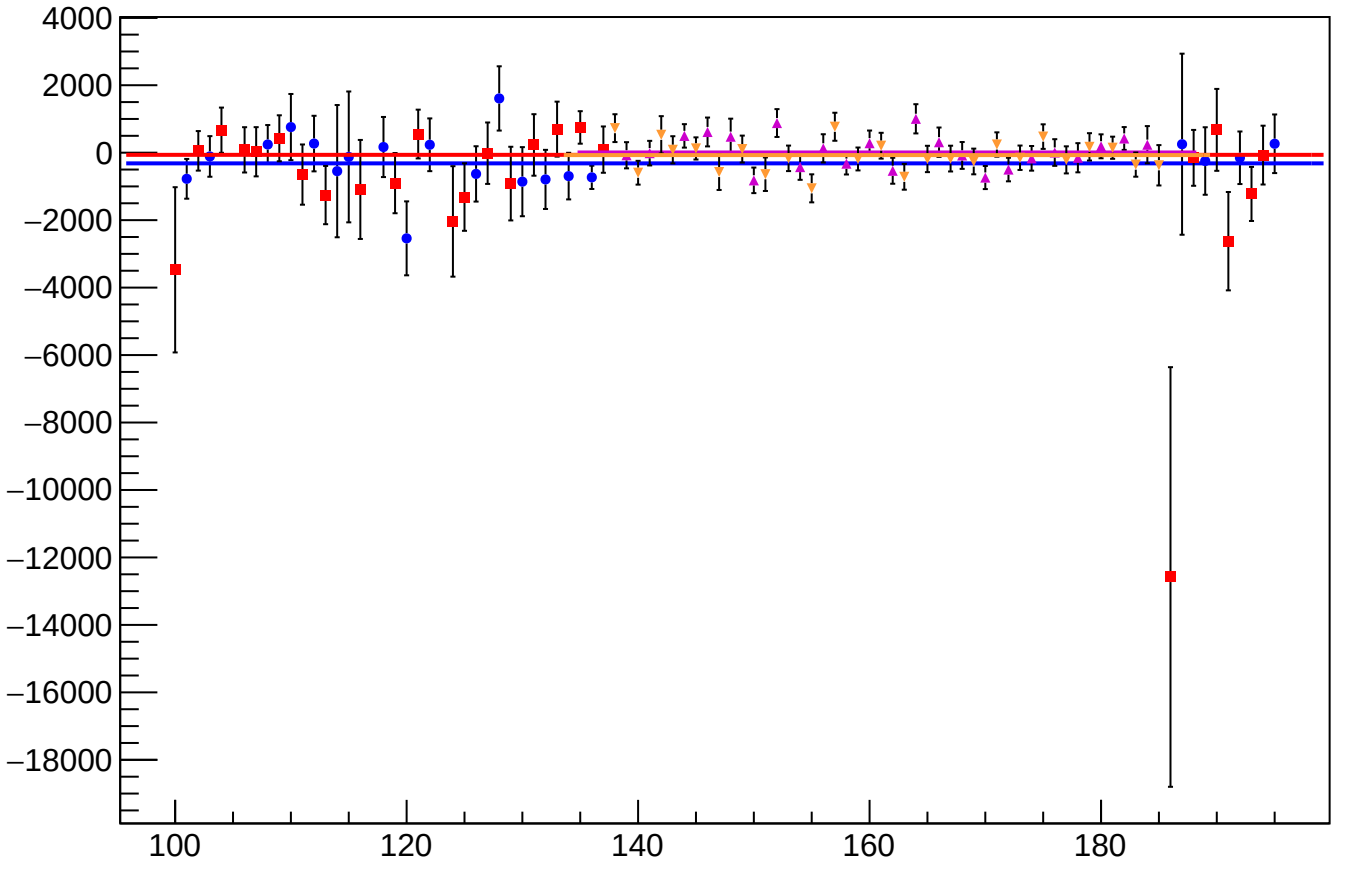
Right Out: 71.167+/-0.016 χ^2/NDF: 1228429.4/24

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 63.934+/-0.008 χ^2/NDF: 1365678.3/44

All: 64.492+/-0.006 χ^2/NDF: 3010137.3/92

- sign 65.070+/-0.009 χ^2/NDF: 1635674.7/47



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: -64.056+/-167.039 χ^2/NDF: 25.3/24

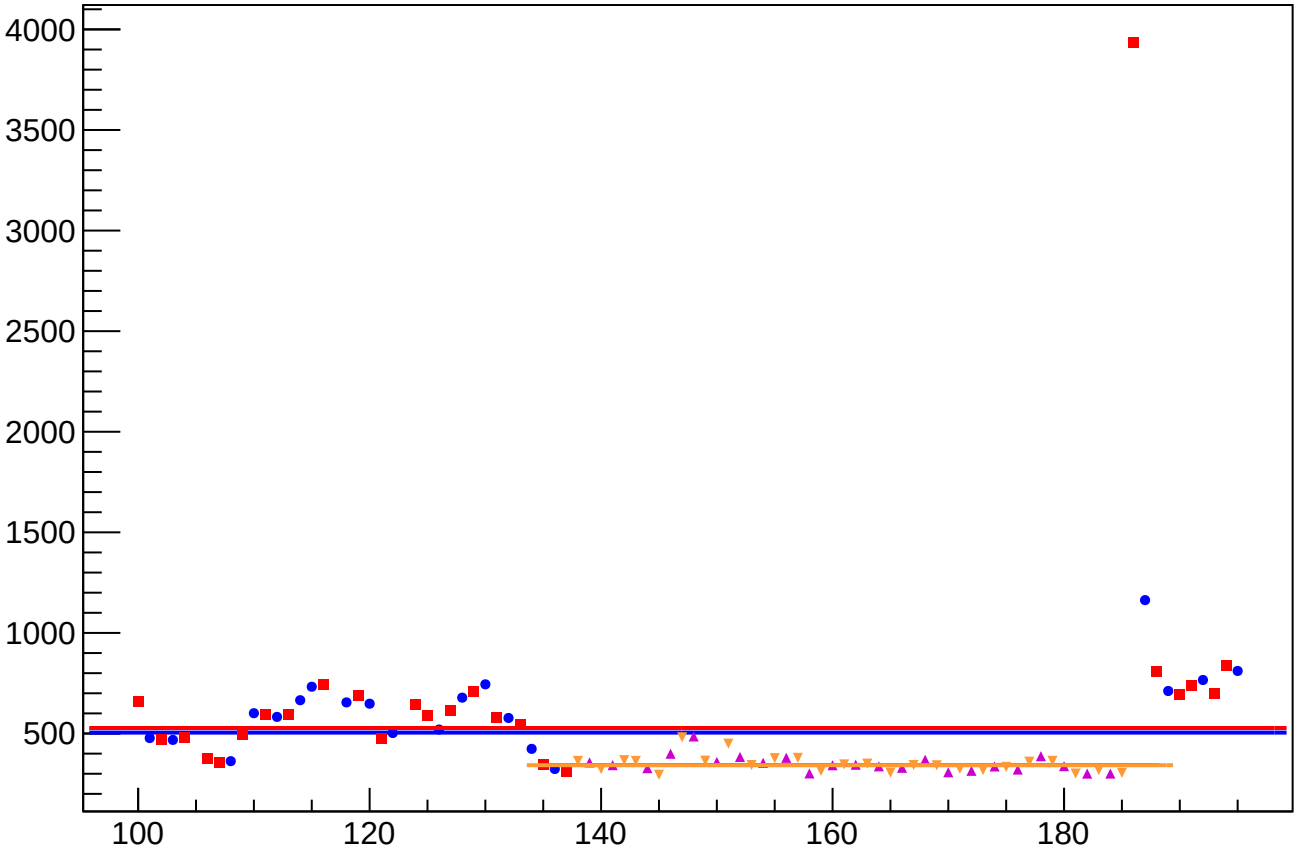
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -114.637+/-71.147 χ^2/NDF: 45.7/44

All: -62.067+/-50.851 χ^2/NDF: 106.2/92

- sign -7.164+/-72.708 χ^2/NDF: 59.4/47

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



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: 527.380+/-0.118 χ^2/NDF: 2238457.7/24

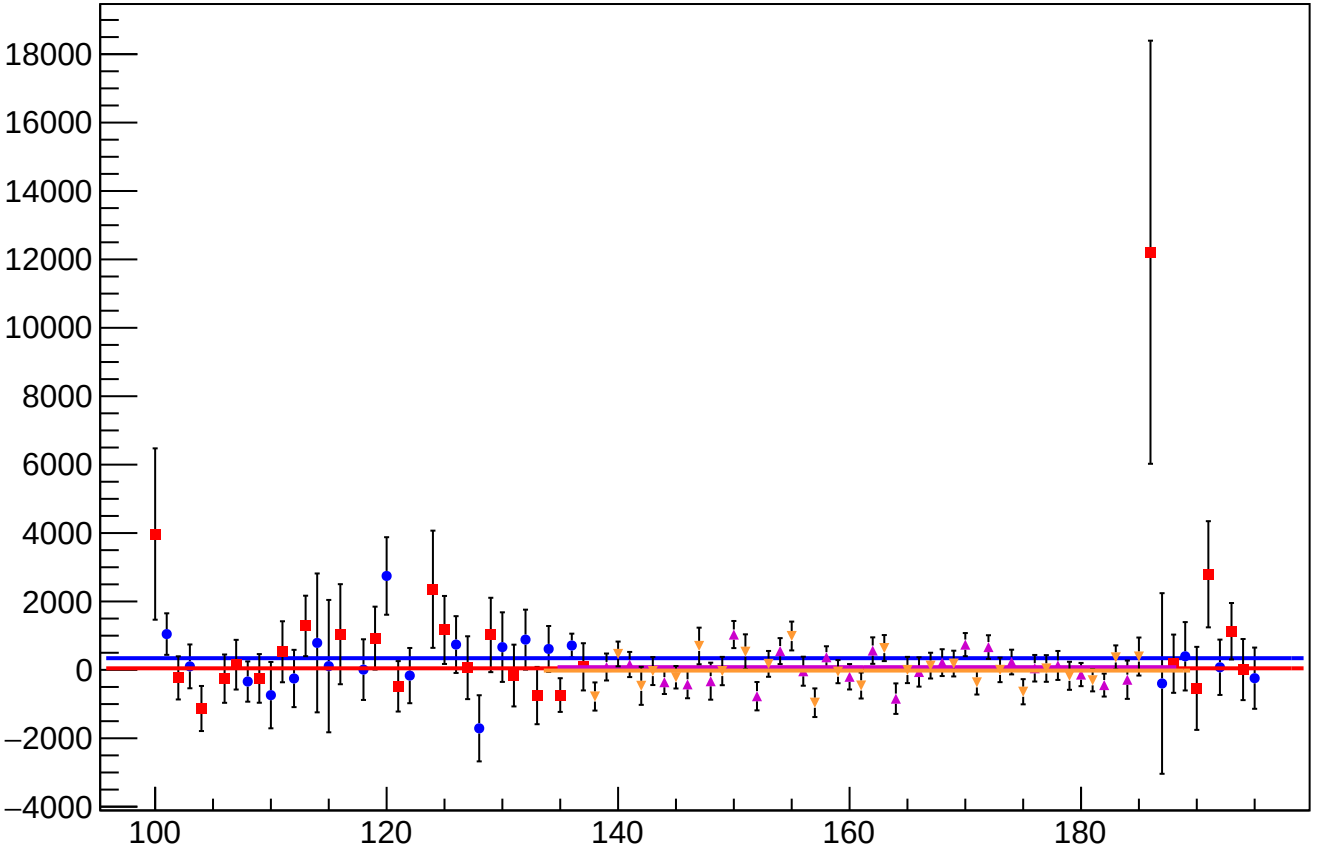
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 371.099+/-0.050 χ^2/NDF: 3691802.8/44

All: 374.539+/-0.036 χ^2/NDF: 8282692.8/92

- sign 378.132+/-0.051 χ^2/NDF: 4581330.8/47

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: 45.502+/-170.602 χ^2/NDF: 26.7/24

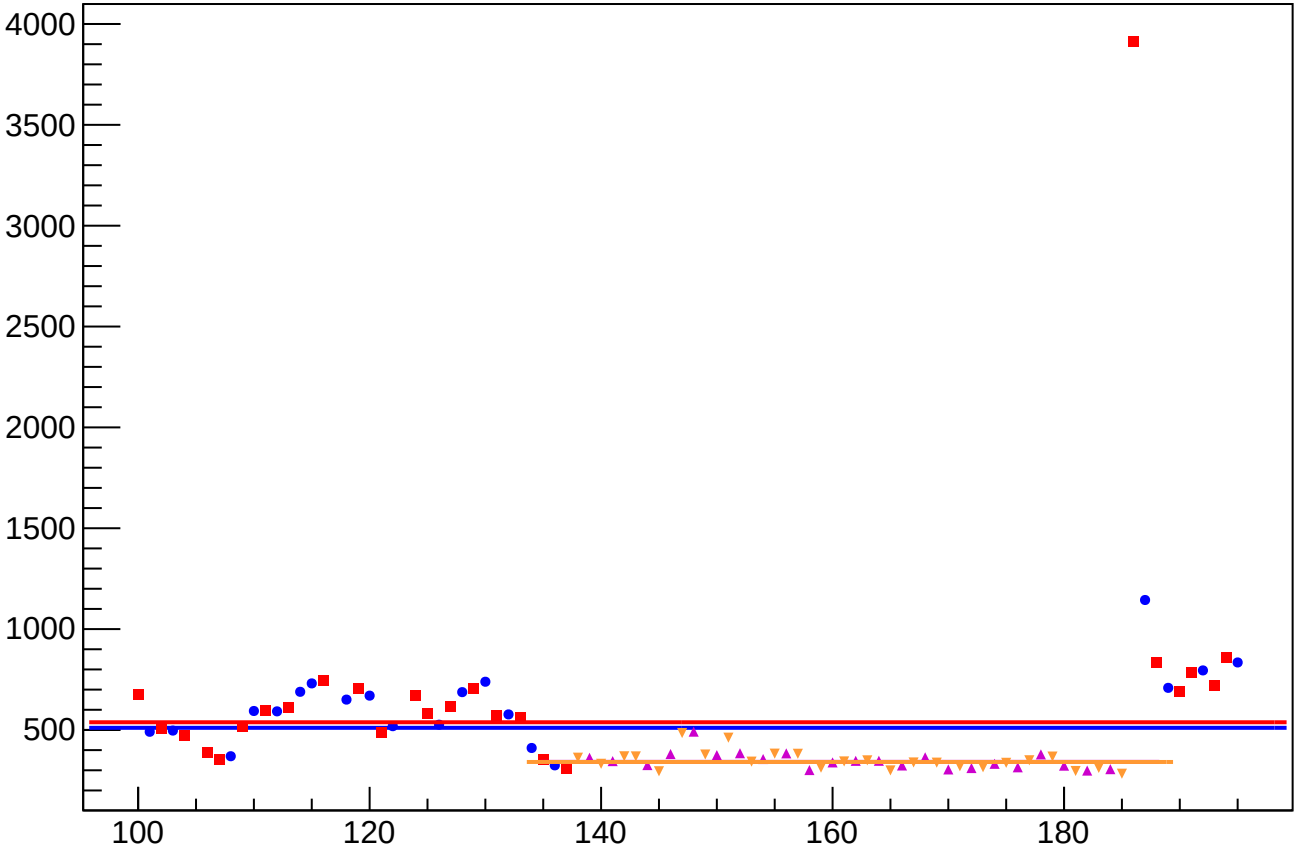
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.835+/-71.168 χ^2/NDF: 51.9/44

All: 56.922+/-50.869 χ^2/NDF: 111.7/92

- sign 72.681+/-72.736 χ^2/NDF: 59.7/47

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

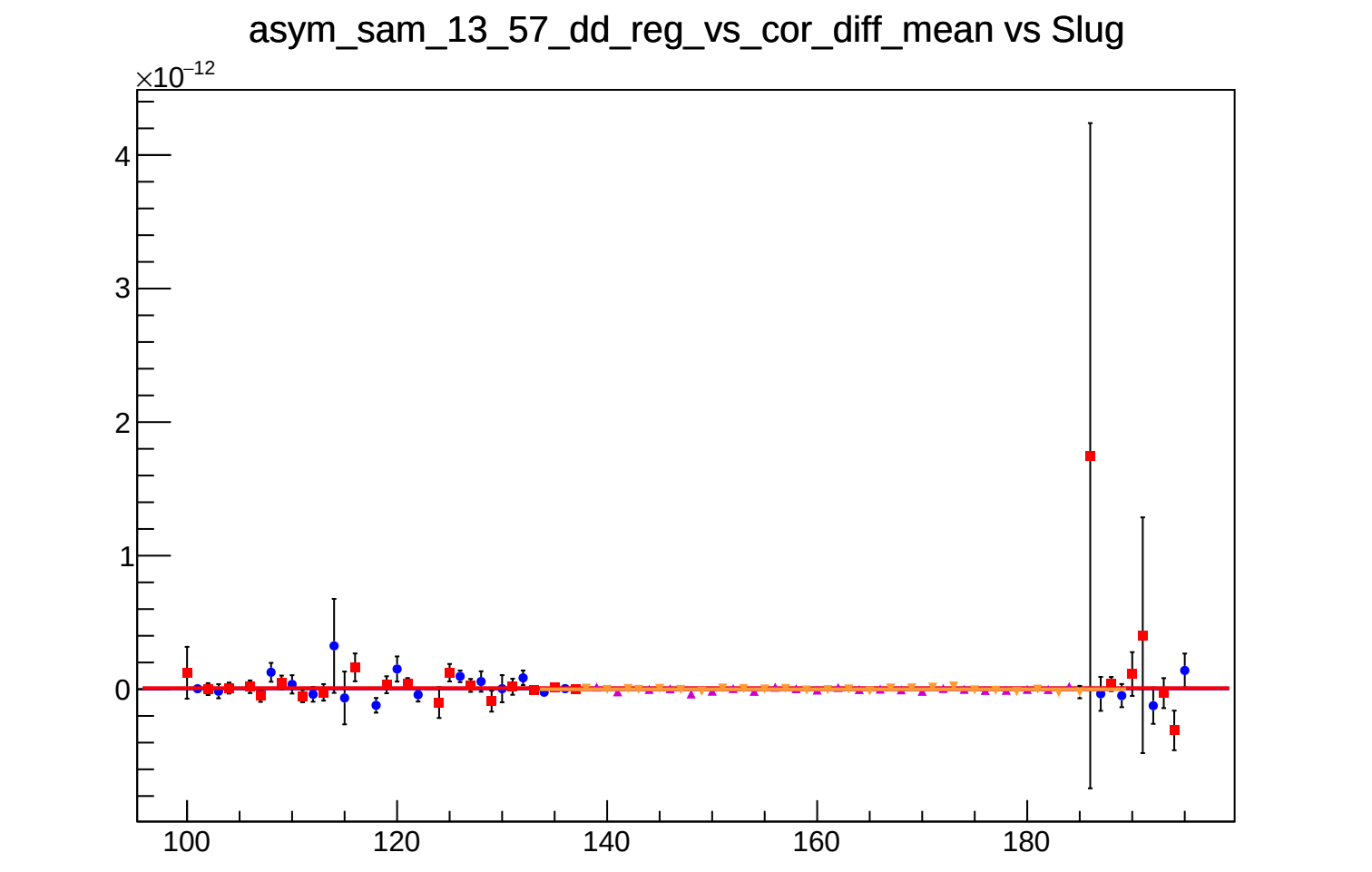
Right Out: 538.073+/-0.121 χ^2/NDF: 2246801.3/24

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 370.278+/-0.050 χ^2/NDF: 3910710.9/44

All: 373.728+/-0.036 χ^2/NDF: 8733911.3/92

- sign 377.331+/-0.051 χ^2/NDF: 4813591.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

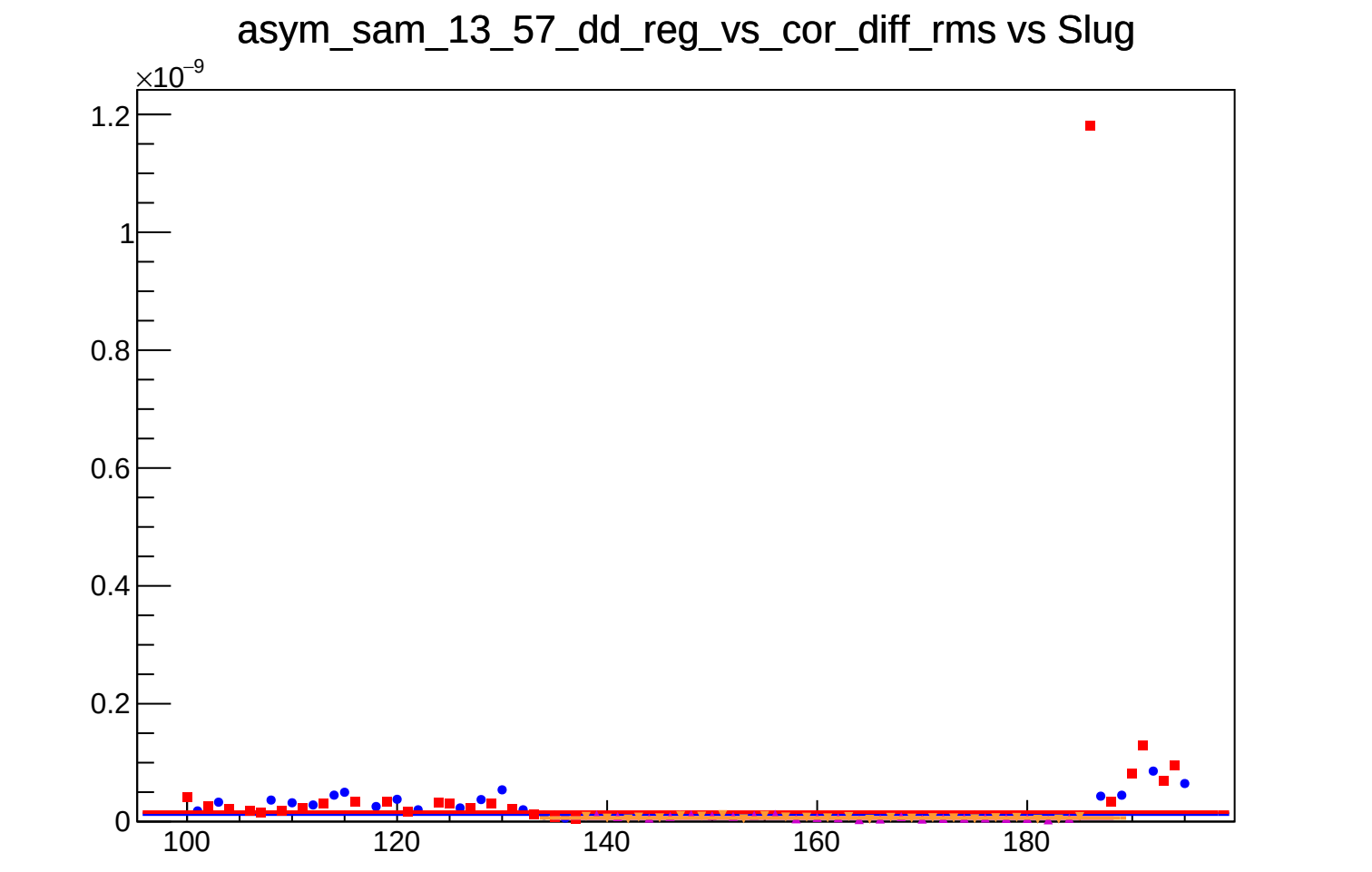
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/24

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: 79.2/92

- sign -0.000+/-0.000 χ^2/NDF: 35.7/47



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: 3880138.9/24

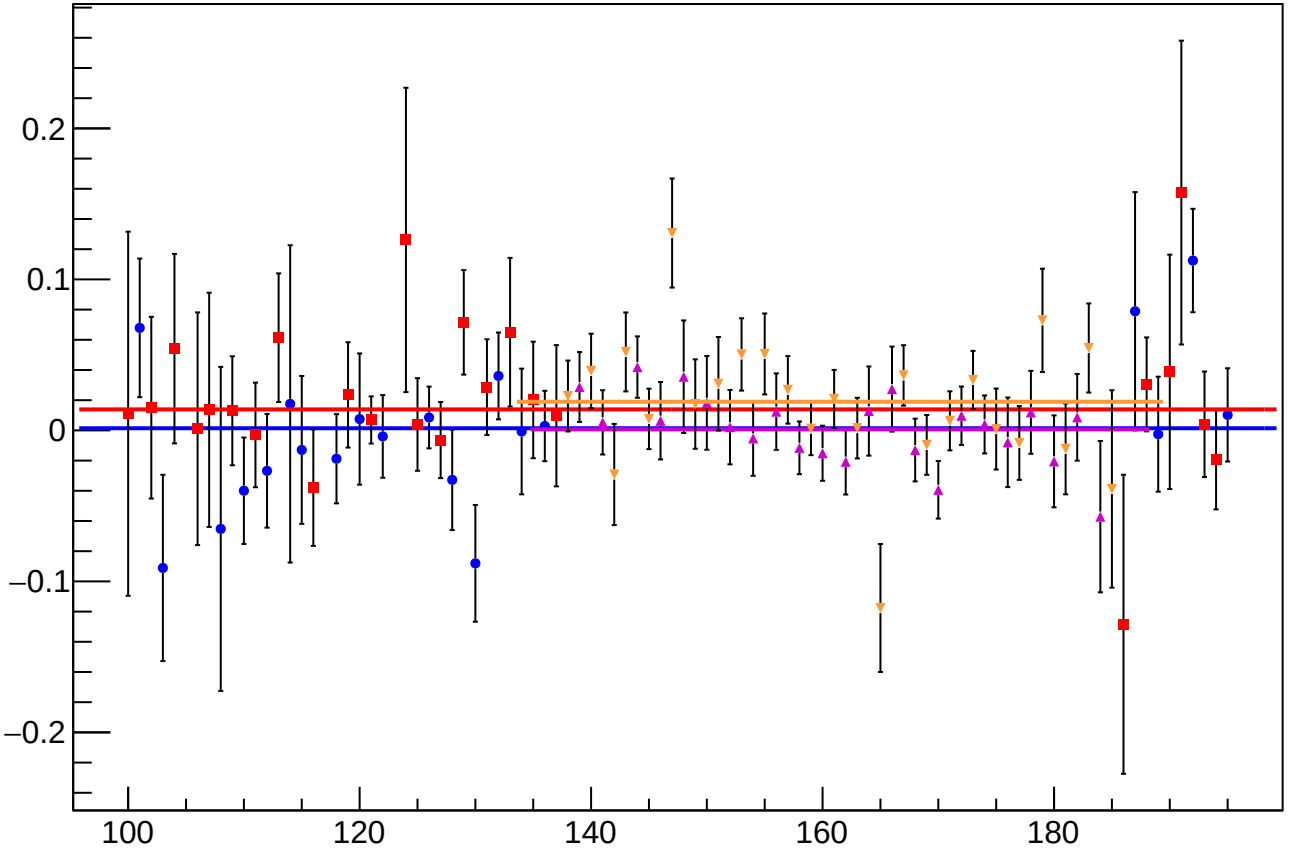
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6552546.2/44

All: 0.000+/-0.000 χ^2/NDF: 14343802.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7791256.1/47

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

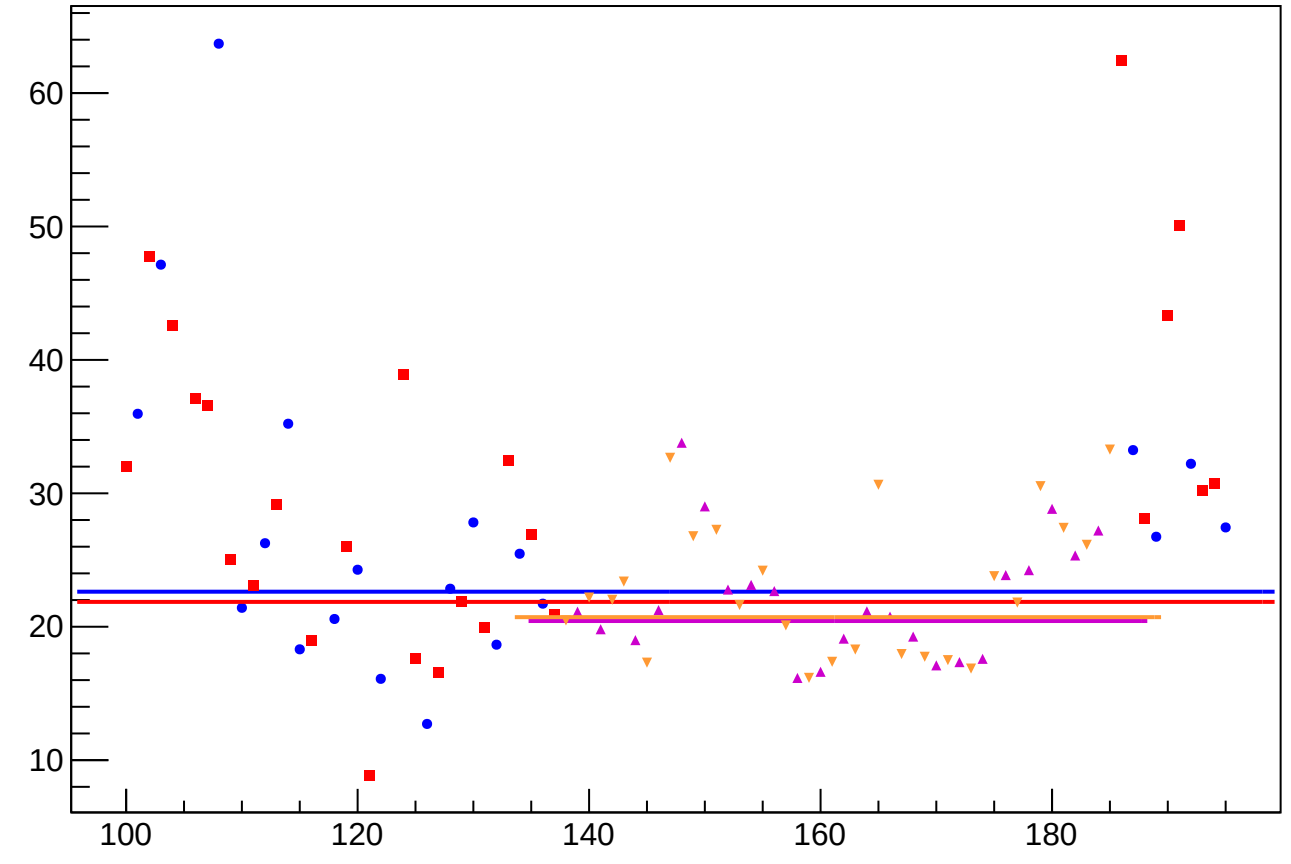
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

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: 109.8/92

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.627+/-0.006 χ^2/NDF: 1791404.3/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

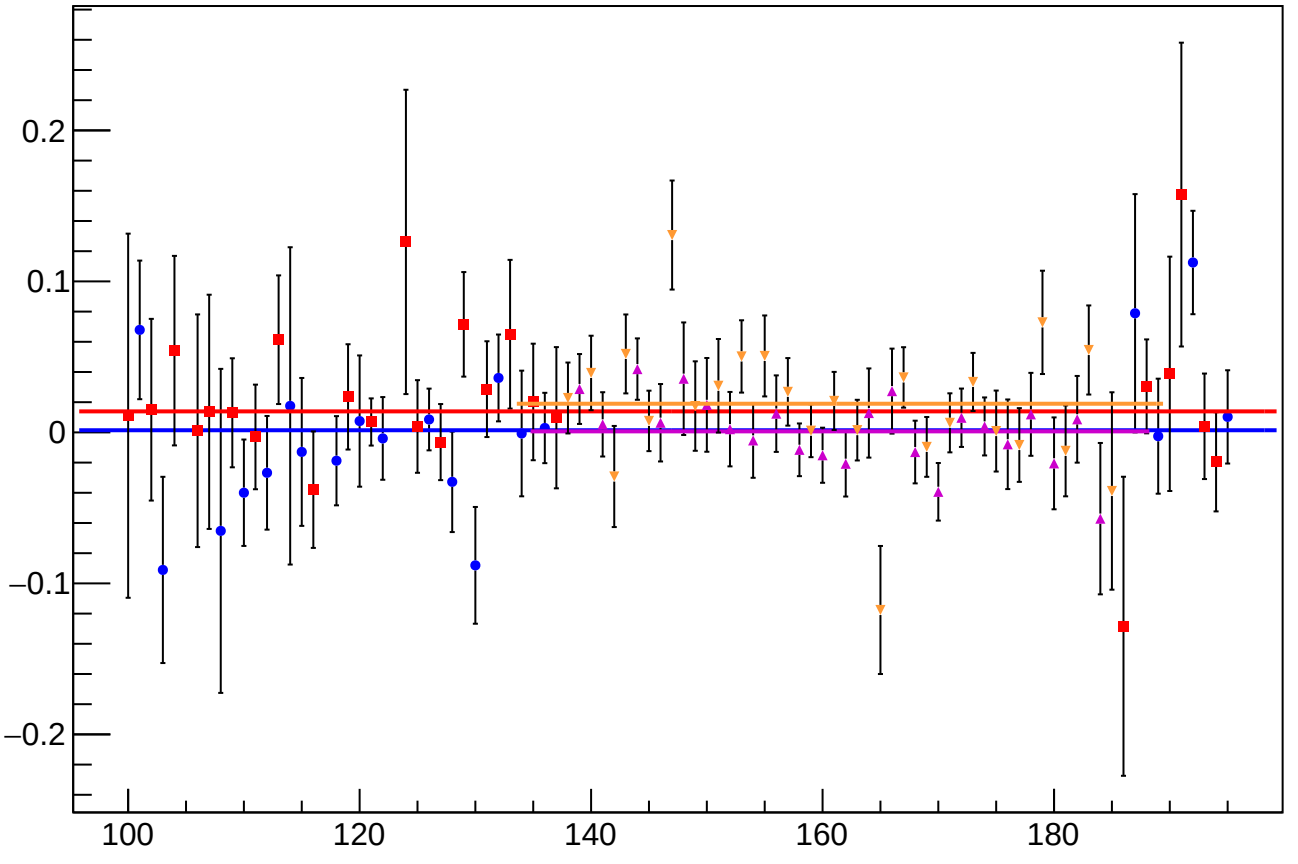
Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.248+/-0.003 χ^2/NDF: 3383052.4/44

All: 21.055+/-0.002 χ^2/NDF: 8180982.7/92

- sign 20.865+/-0.003 χ^2/NDF: 4789316.5/47



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

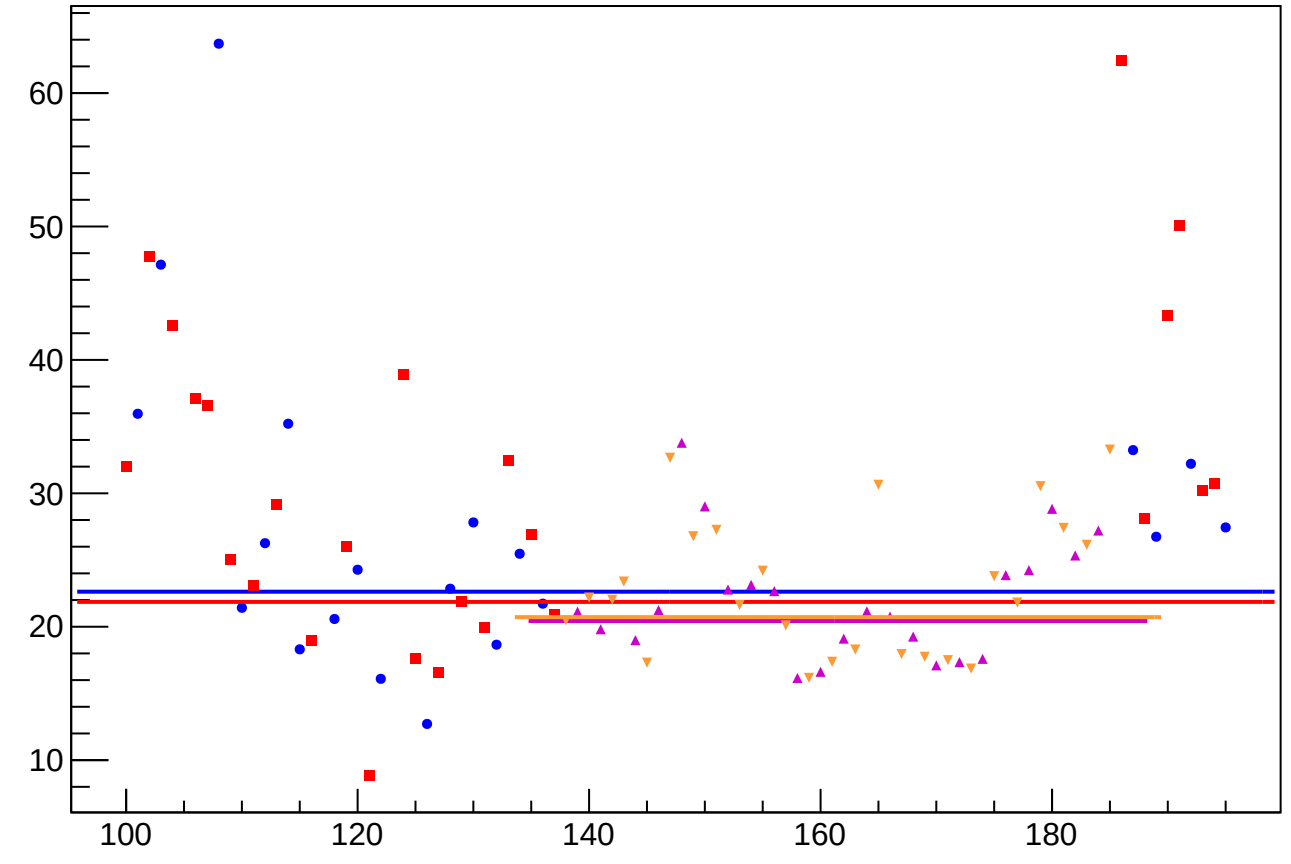
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

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: 109.8/92

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.627+/-0.006 χ^2/NDF: 1791404.3/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

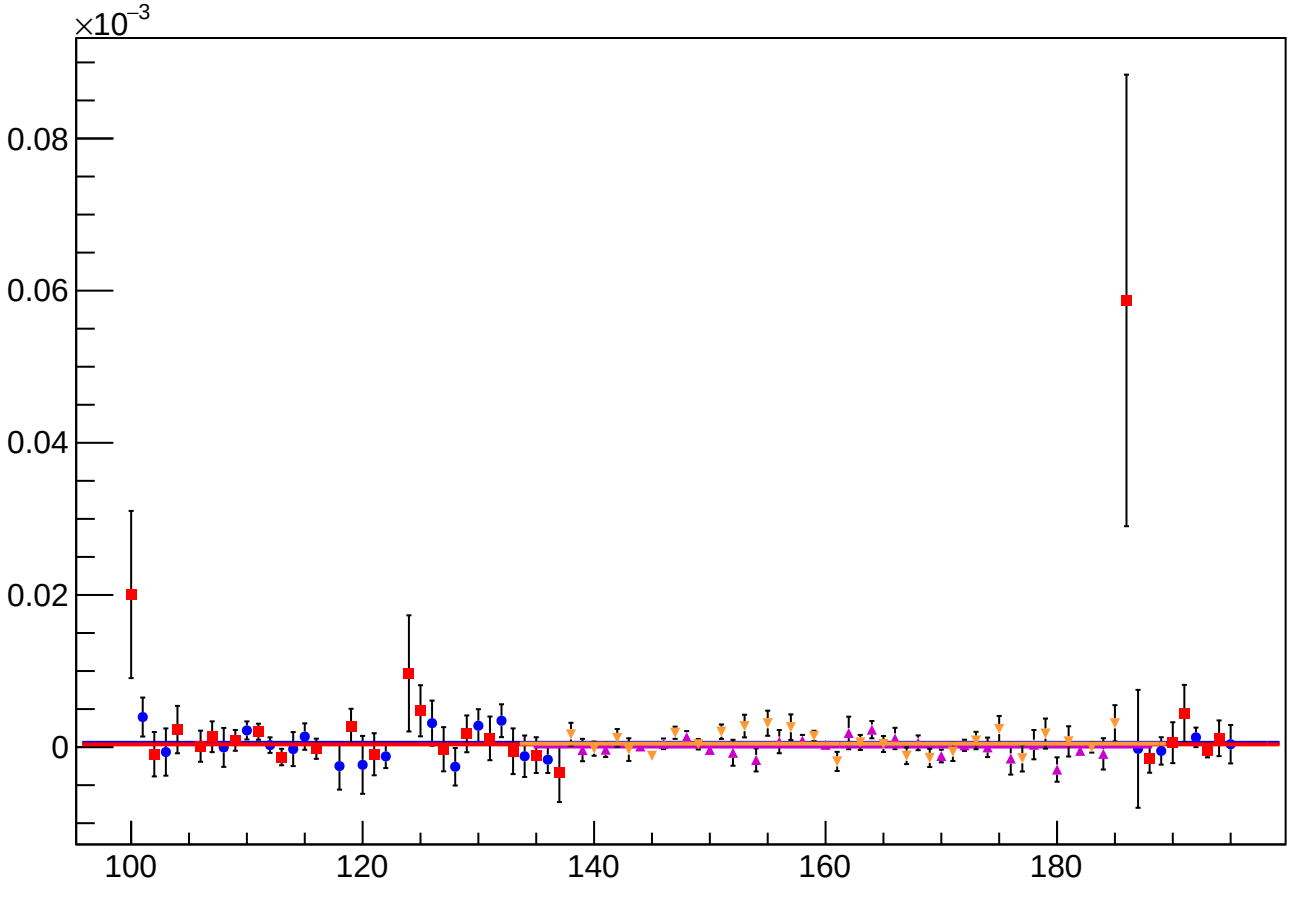
Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.248+/-0.003 χ^2/NDF: 3383052.4/44

All: 21.055+/-0.002 χ^2/NDF: 8180982.7/92

- sign 20.865+/-0.003 χ^2/NDF: 4789316.5/47



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: 22.3/24

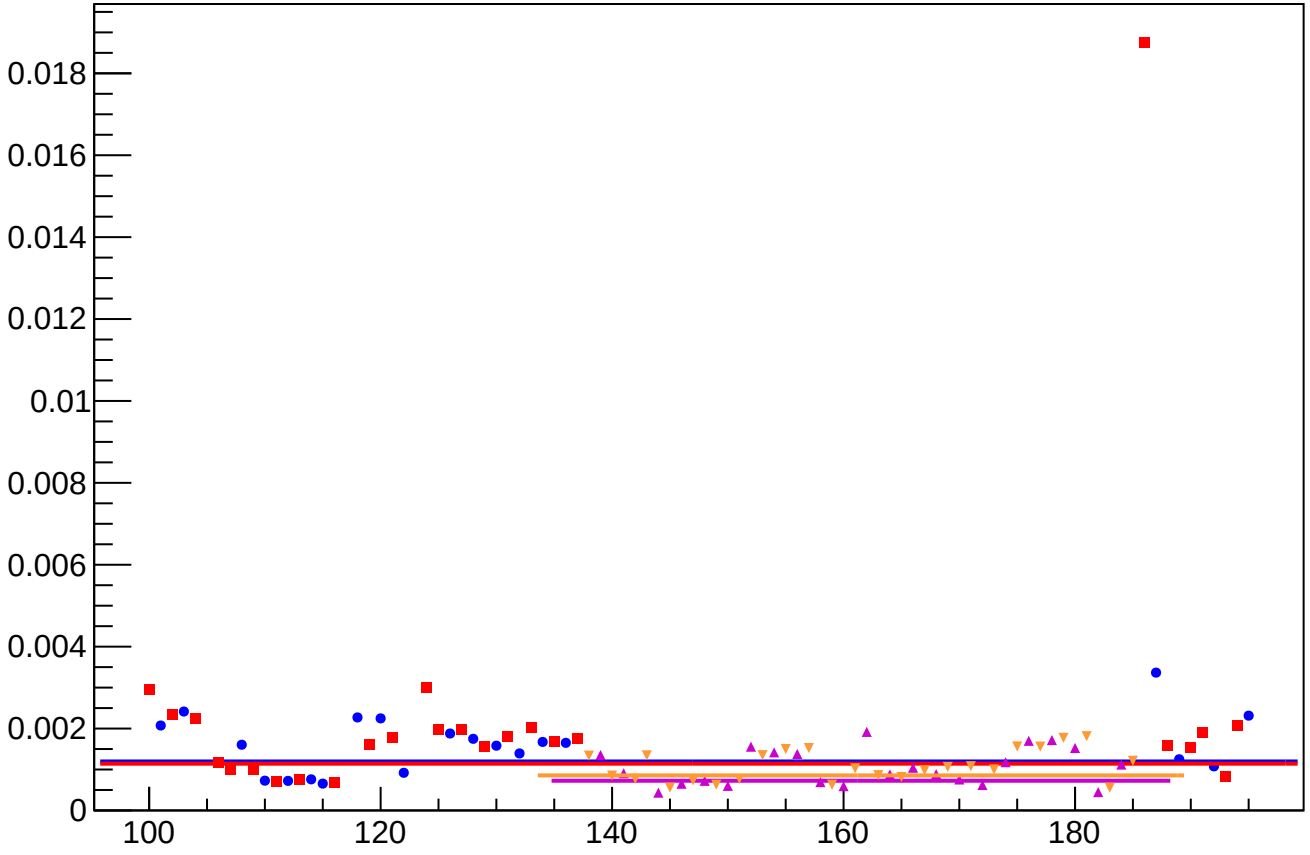
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/44

All: 0.000+/-0.000 χ^2/NDF: 96.1/92

- sign 0.000+/-0.000 χ^2/NDF: 42.3/47

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3113361.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

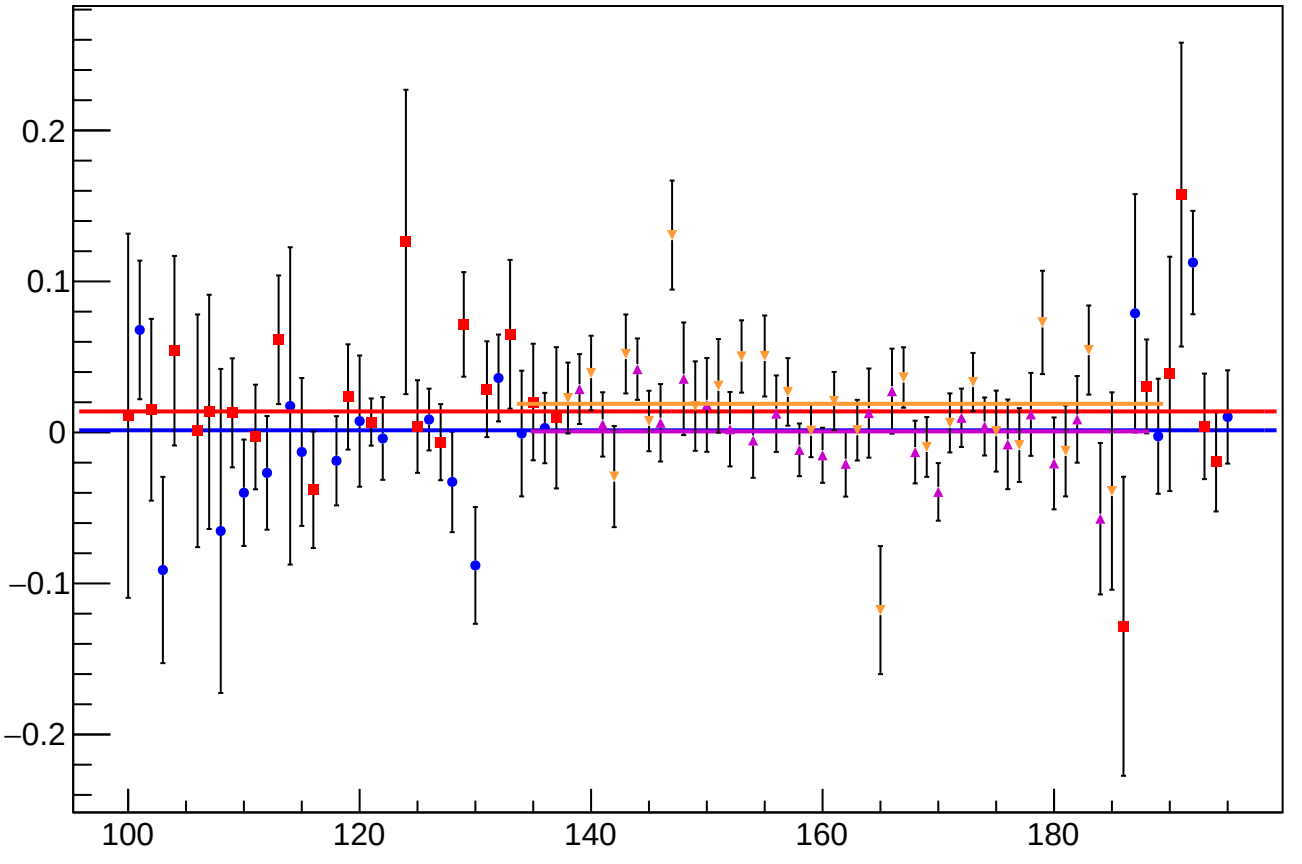
Right Out: 0.001+/-0.000 χ^2/NDF: 4108028.4/24

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: 20772081.3/92

- sign 0.001+/-0.000 χ^2/NDF: 11763367.6/47



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

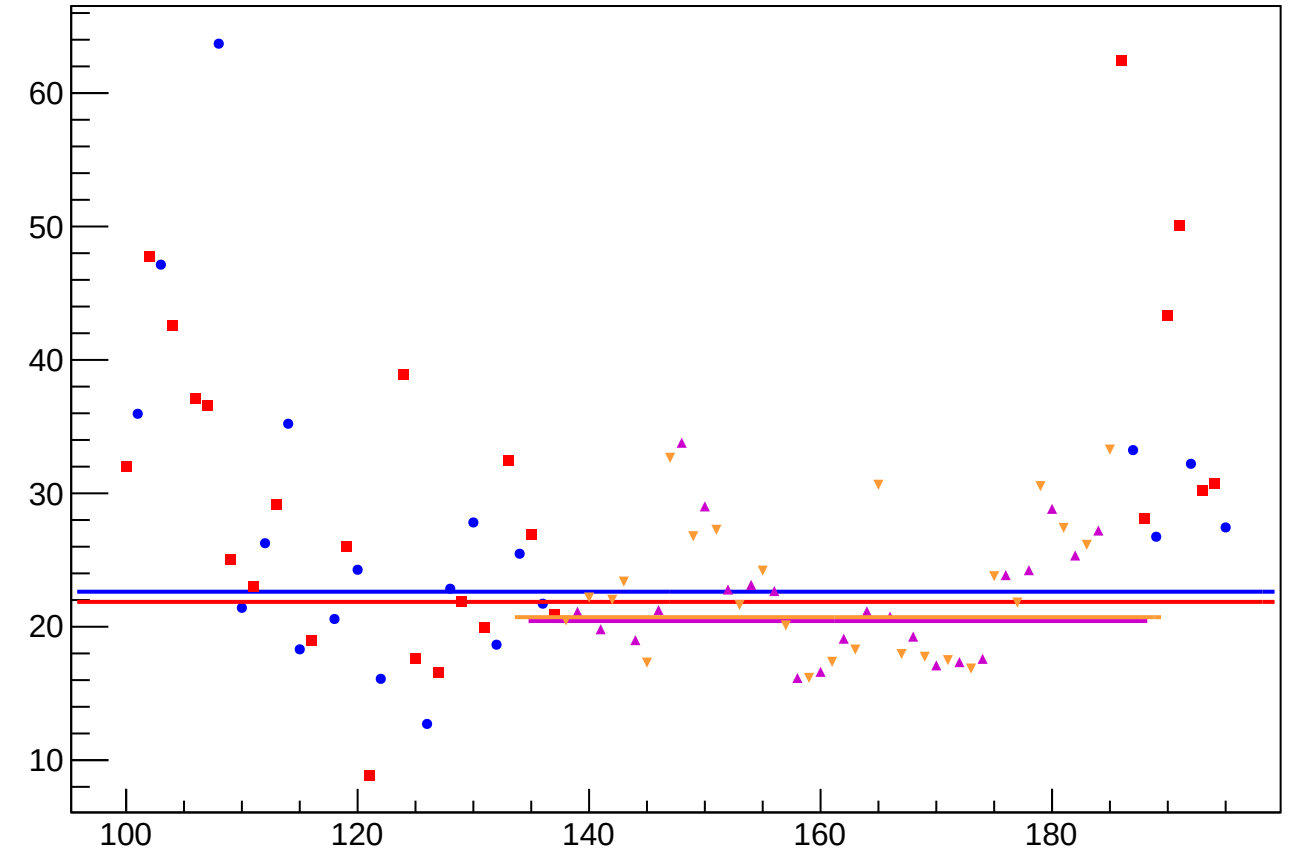
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

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: 109.8/92

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.627+/-0.006 χ^2/NDF: 1791247.6/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

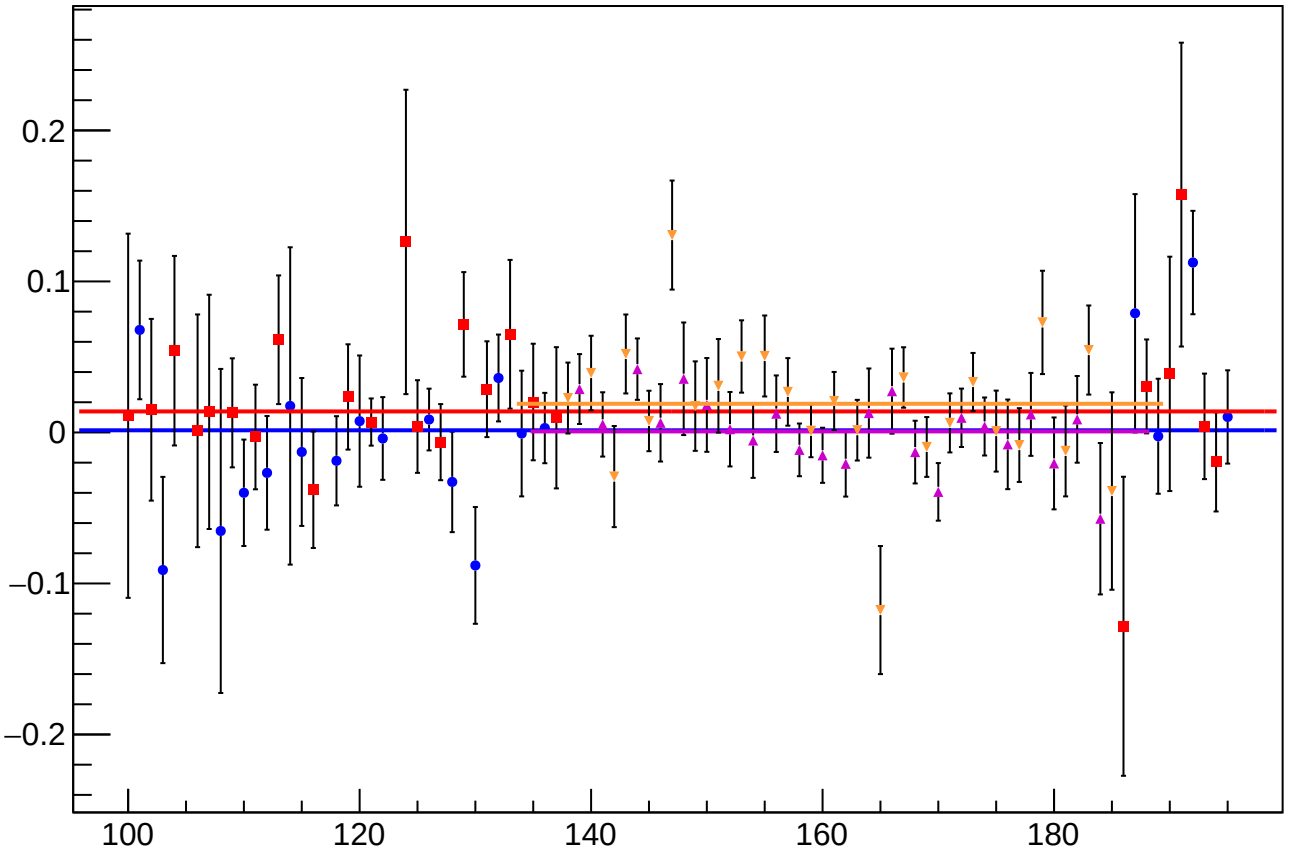
Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.248+/-0.003 χ^2/NDF: 3383030.1/44

All: 21.055+/-0.002 χ^2/NDF: 8180552.7/92

- sign 20.865+/-0.003 χ^2/NDF: 4788915.9/47



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

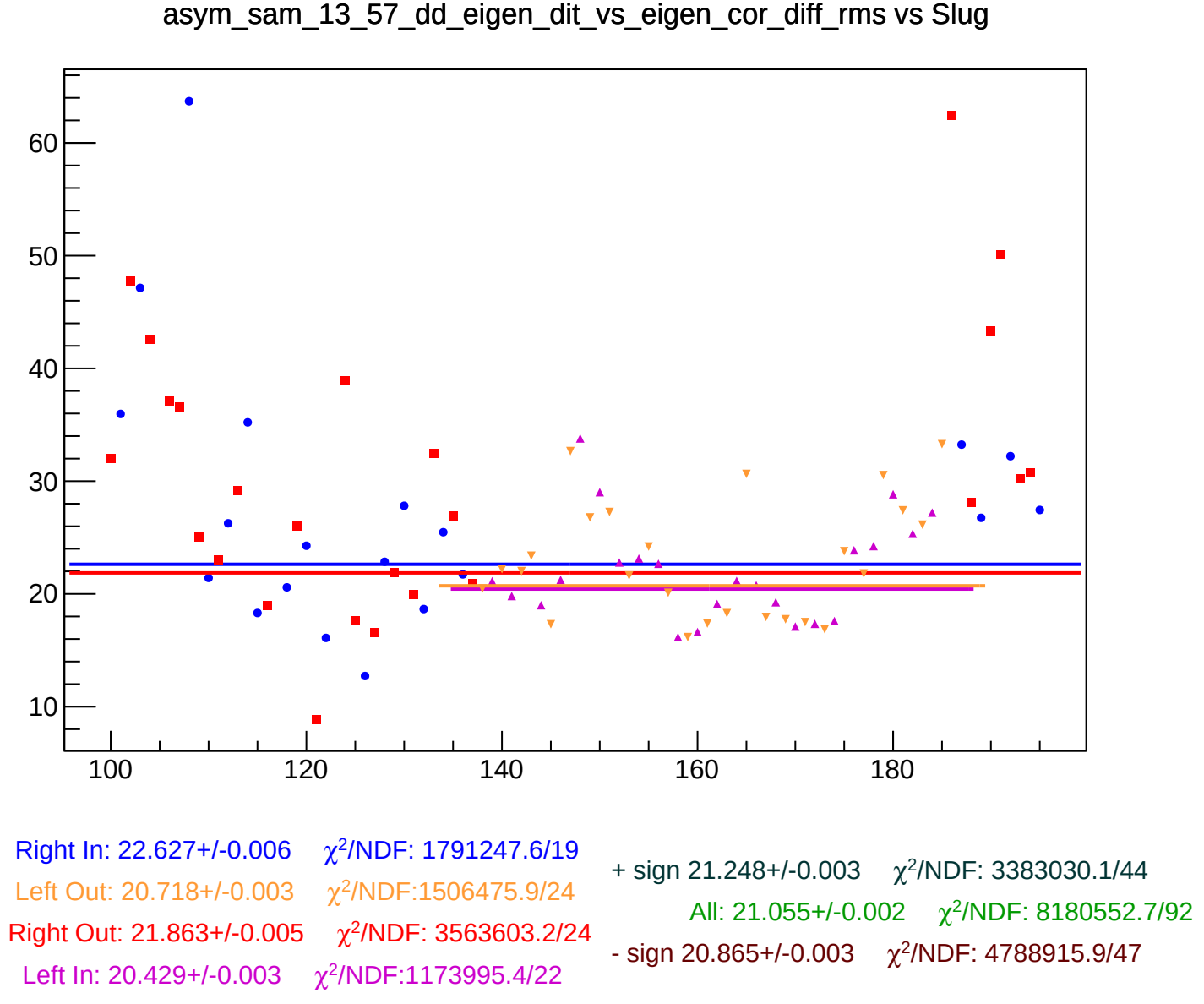
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

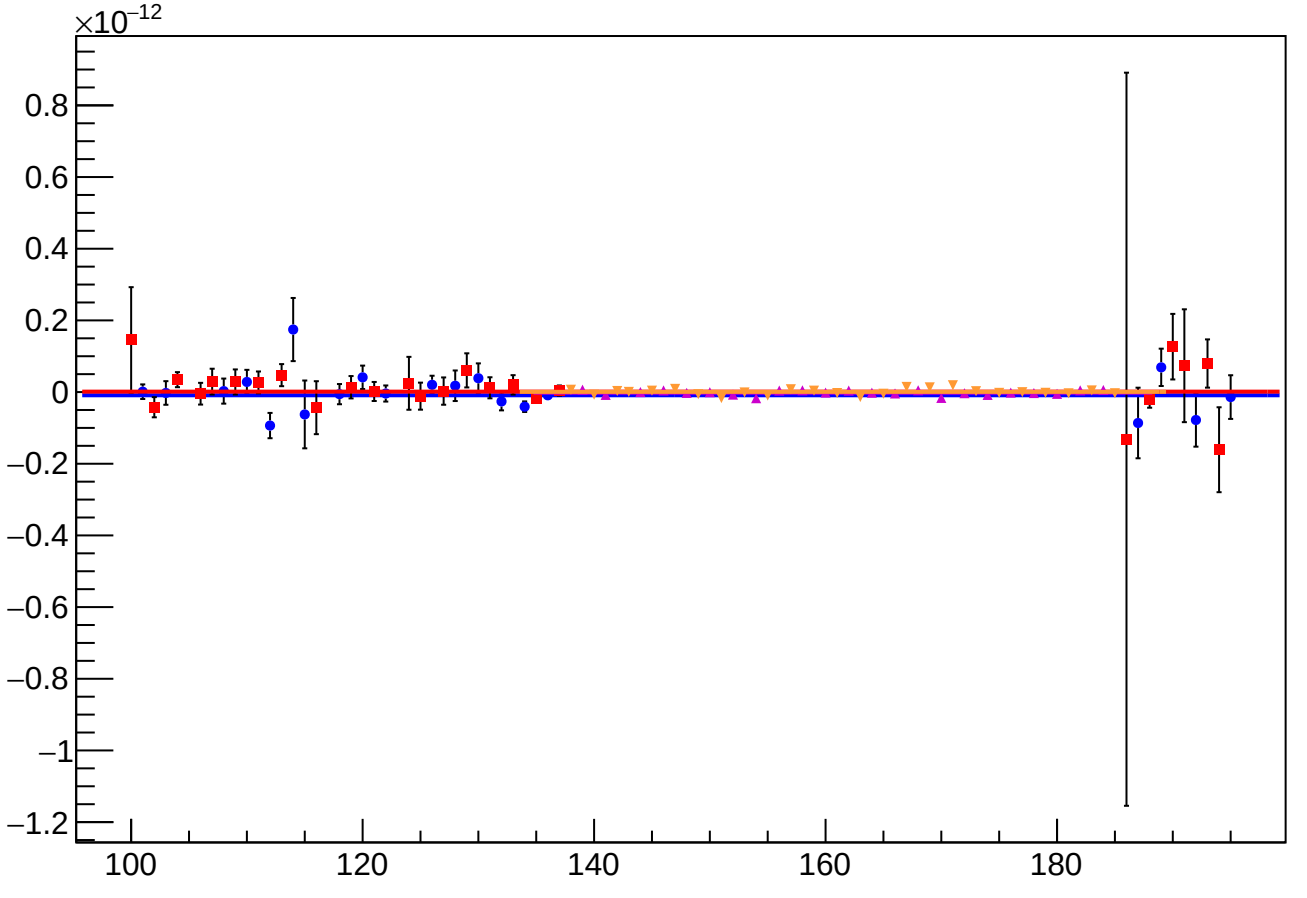
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/44

All: 0.009+/-0.003 χ^2/NDF: 109.8/92

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
120
140
160
180
Right In: 22.627+/-0.006 χ²/NDF: 1791247.6/19
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 21.863+/-0.005 χ²/NDF: 3563603.2/24
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 21.248+/-0.003 χ²/NDF: 3383030.1/44
All: 21.055+/-0.002 χ²/NDF: 8180552.7/92
- sign 20.865+/-0.003 χ²/NDF: 4788915.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

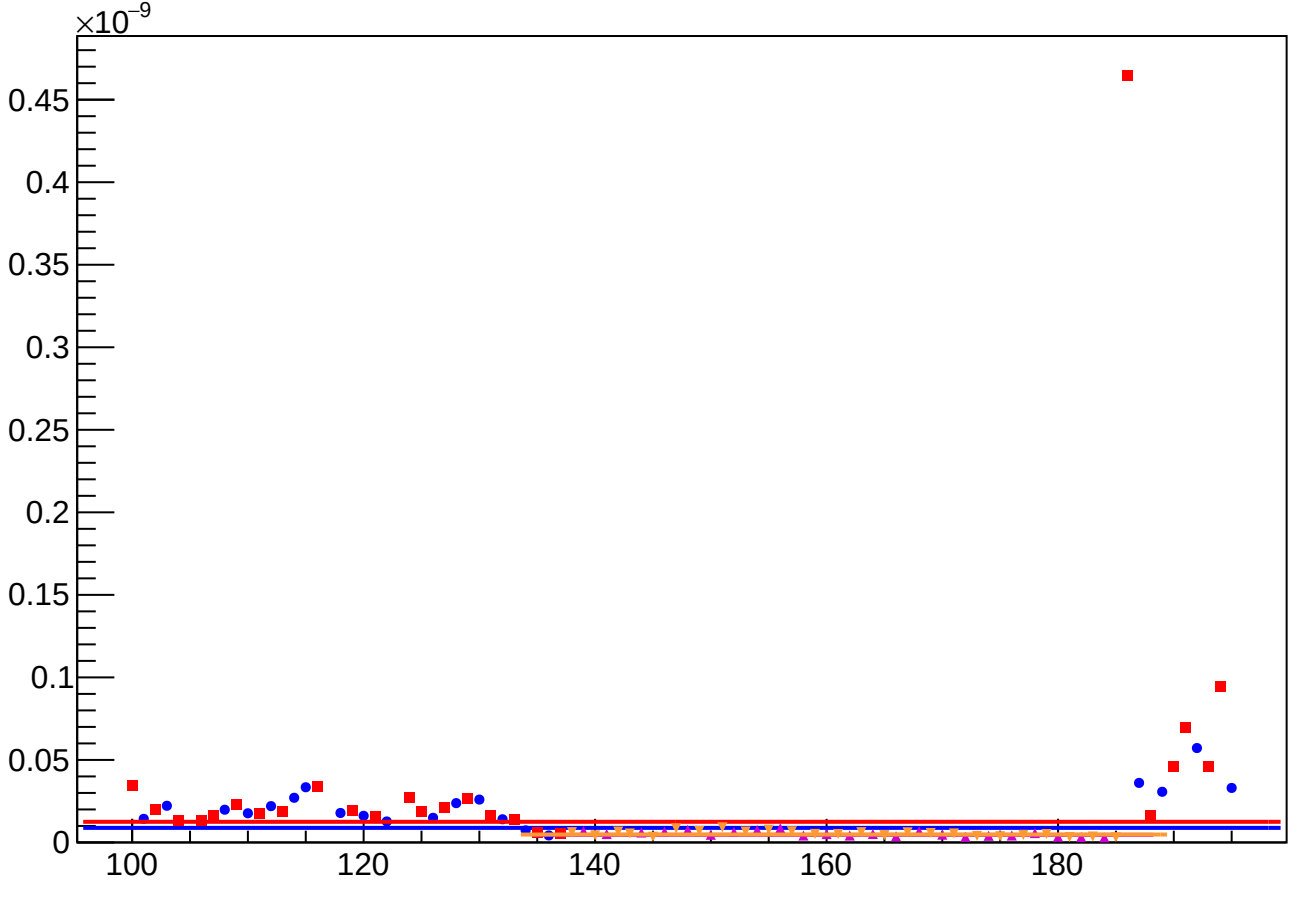
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

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: 104.1/92

- sign -0.000+/-0.000 χ^2/NDF: 44.1/47



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: 5102082.8/24

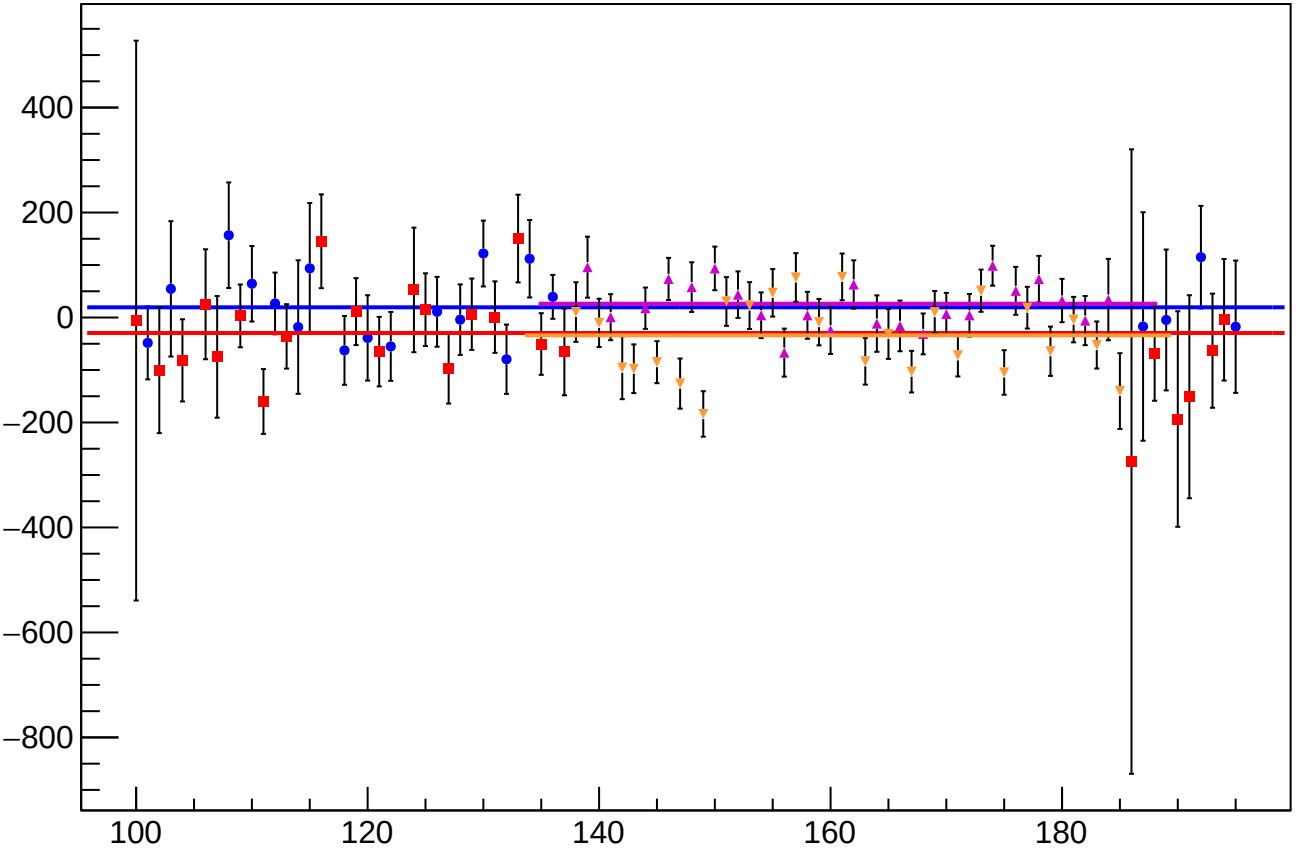
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9060237.3/44

All: 0.000+/-0.000 χ^2/NDF: 19998001.2/92

- sign 0.000+/-0.000 χ^2/NDF: 10934871.2/47

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: -29.513+/-16.525 χ^2/NDF: 19.4/24

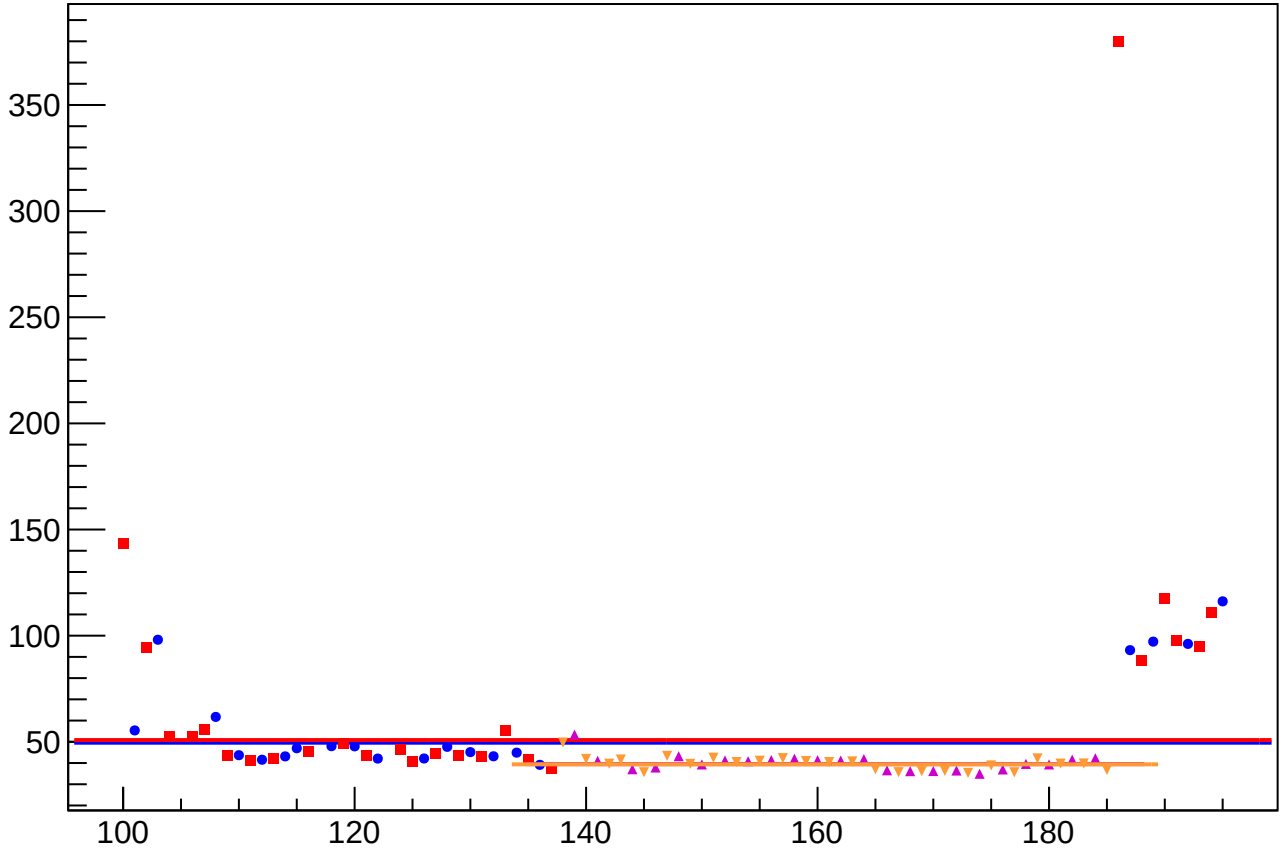
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.129+/-7.934 χ^2/NDF: 81.6/44

All: -4.940+/-5.663 χ^2/NDF: 141.7/92

- sign 12.911+/-8.086 χ^2/NDF: 50.6/47

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

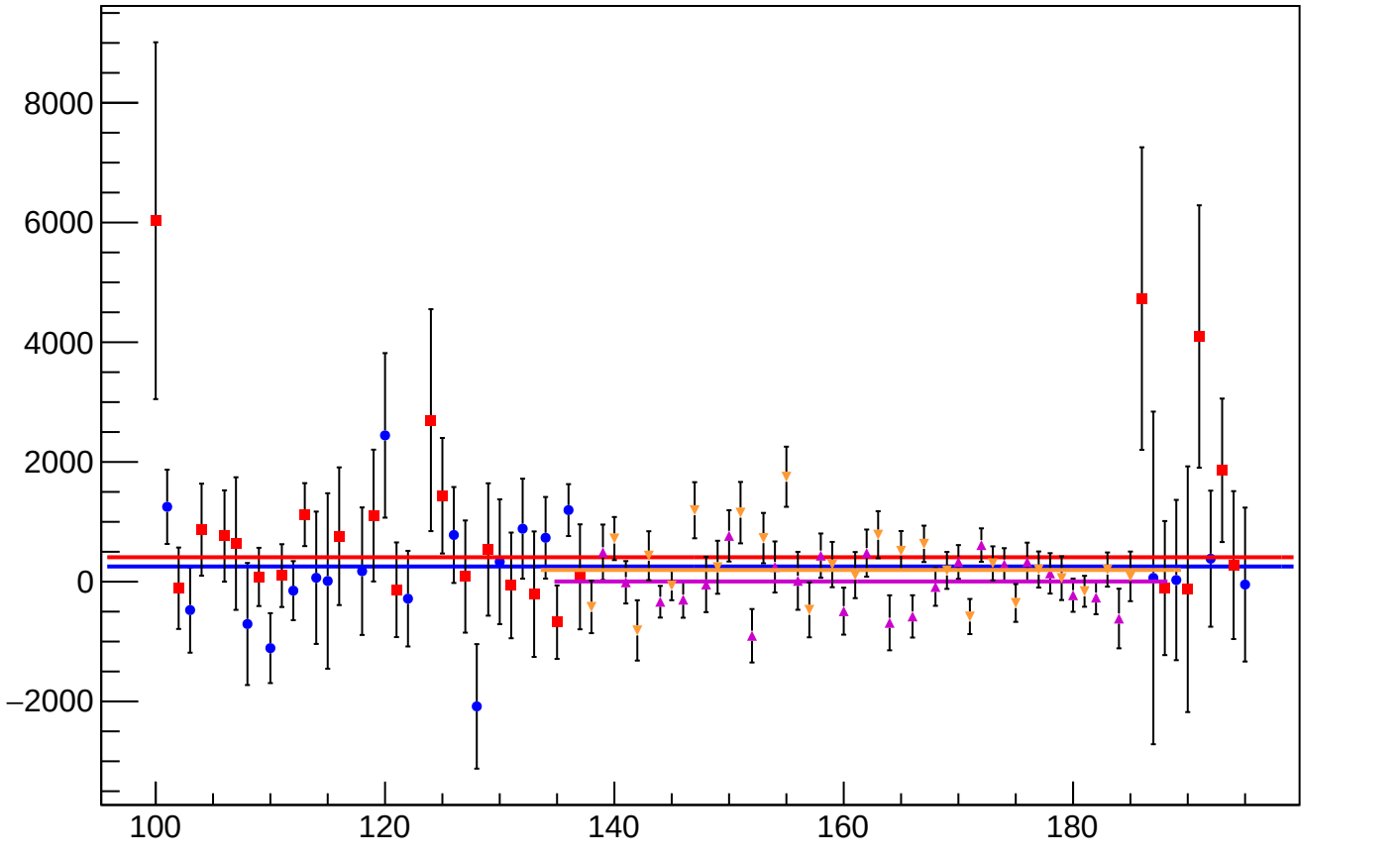
Right Out: 50.817+/-0.012 χ^2/NDF: 2848325.4/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742184.7/44

All: 41.918+/-0.004 χ^2/NDF: 6561759.1/92

- sign 42.203+/-0.006 χ^2/NDF: 3814700.9/47



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: 408.477+/-173.077 χ^2/NDF: 22.5/24

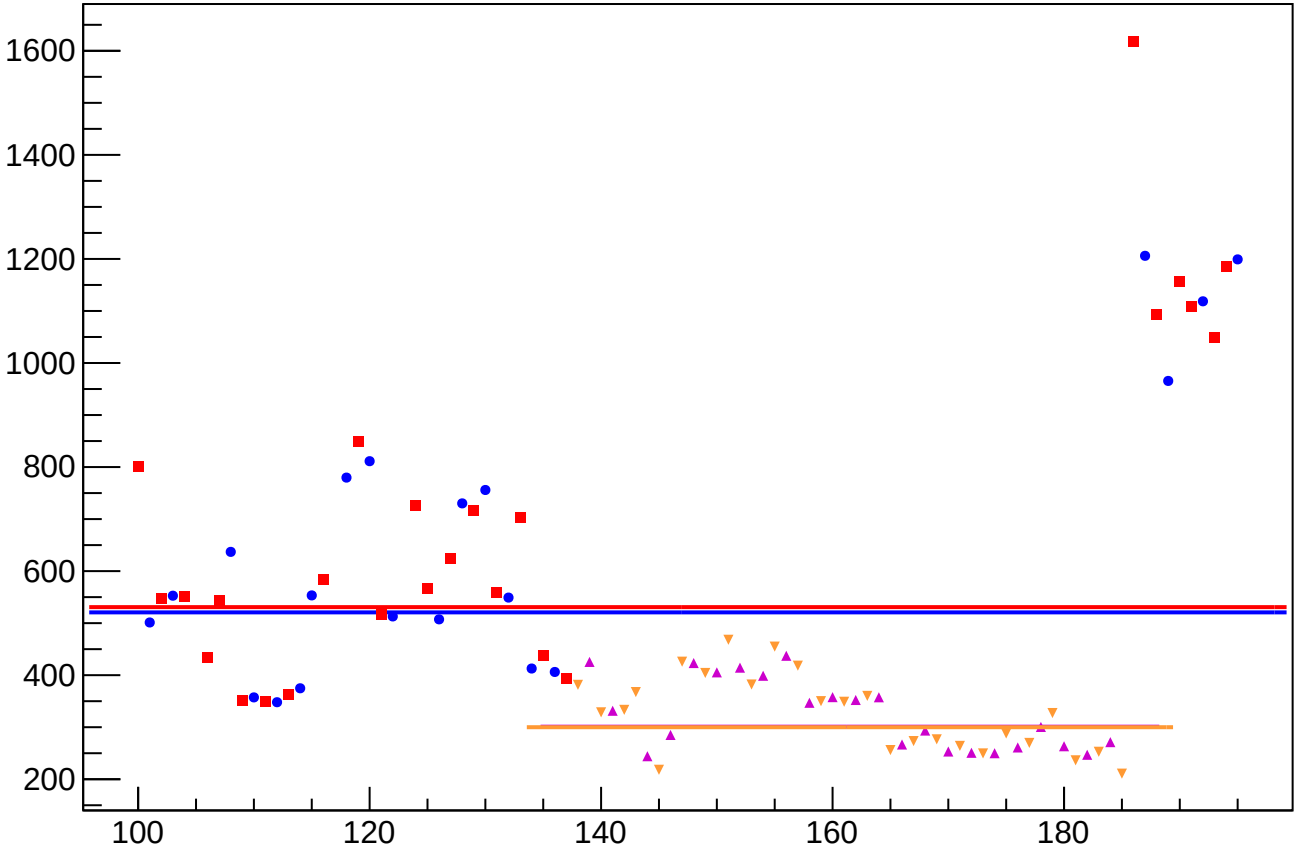
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.526+/-46.567 χ^2/NDF: 135.6/92

- sign 63.657+/-66.462 χ^2/NDF: 59.6/47

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: 530.782+/-0.122 χ^2/NDF: 3327988.8/24

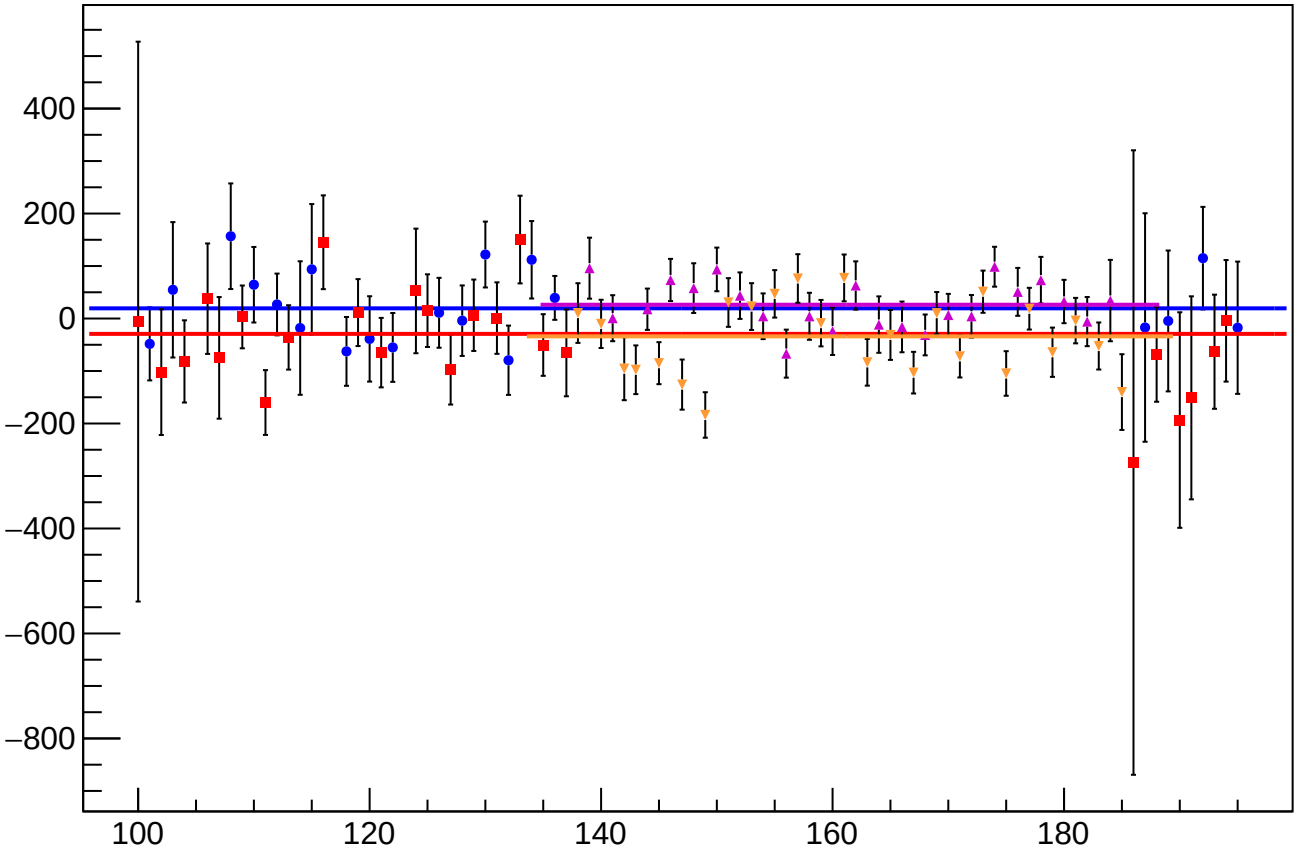
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951856.9/44

All: 332.055+/-0.033 χ^2/NDF: 14699562.5/92

- sign 334.883+/-0.047 χ^2/NDF: 7740591.2/47

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: -29.248+/-16.527 χ^2/NDF: 19.6/24

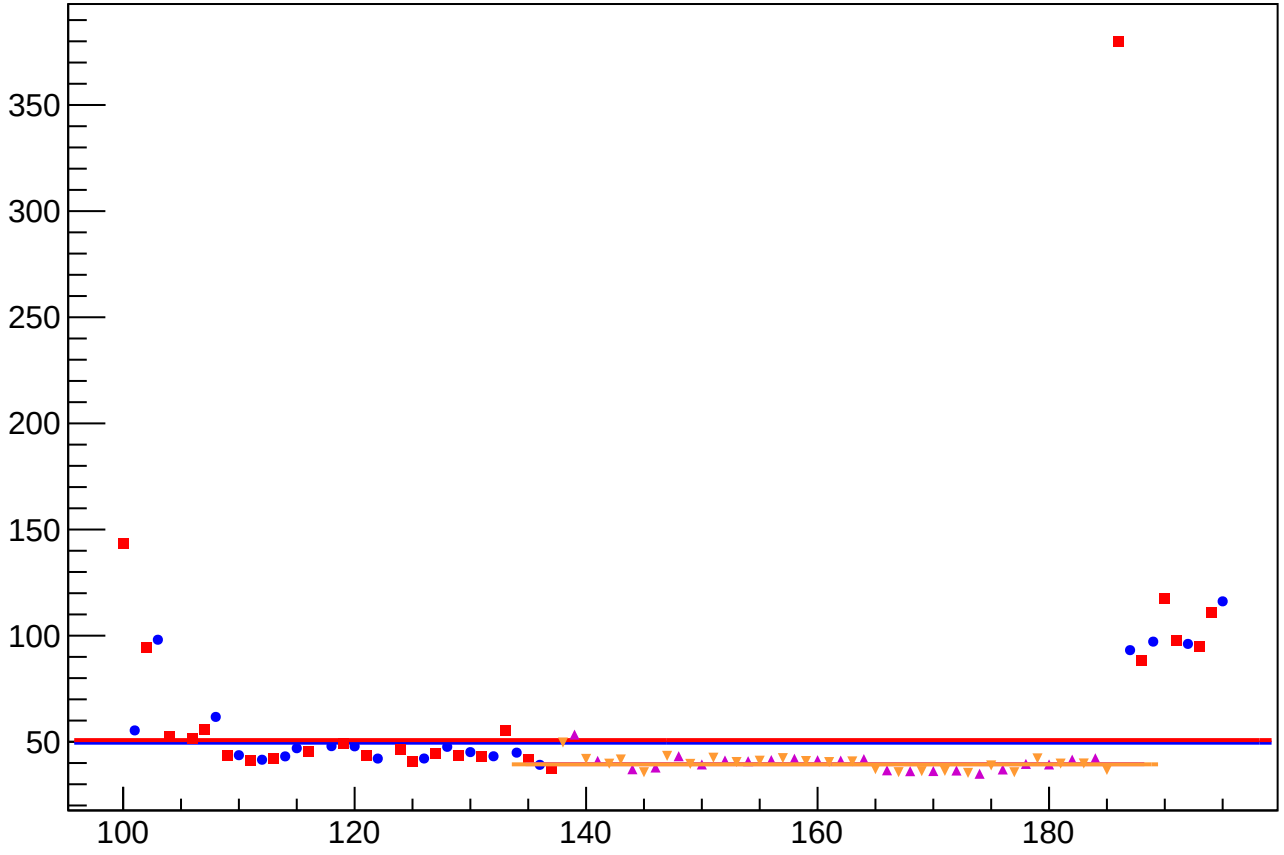
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.127+/-7.934 χ^2/NDF: 81.6/44

All: -4.907+/-5.663 χ^2/NDF: 141.8/92

- sign 12.978+/-8.086 χ^2/NDF: 50.6/47

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

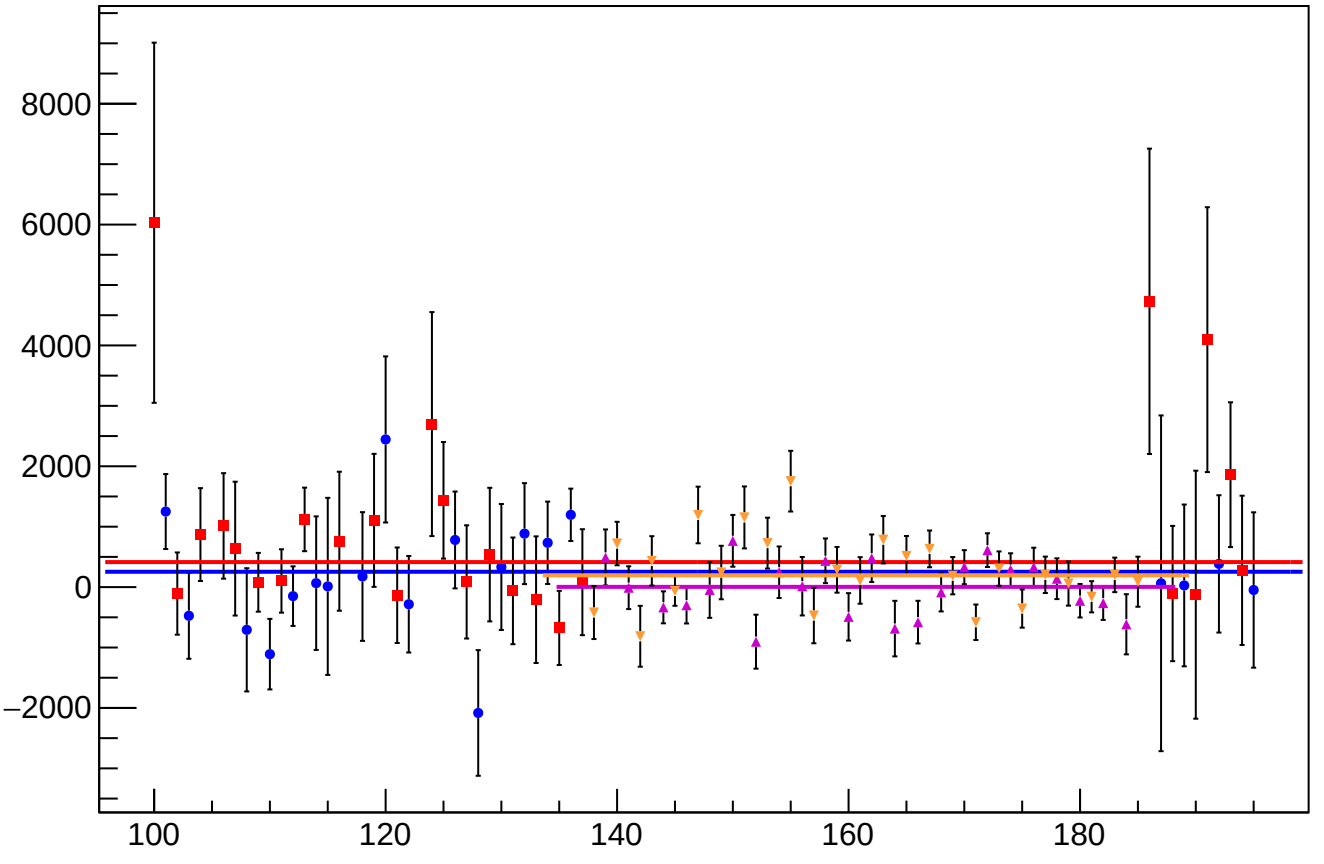
Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742187.6/44

All: 41.915+/-0.004 χ^2/NDF: 6558804.1/92

- sign 42.197+/-0.006 χ^2/NDF: 3811836.7/47



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: 414.281+/-174.149 χ^2/NDF: 22.8/24

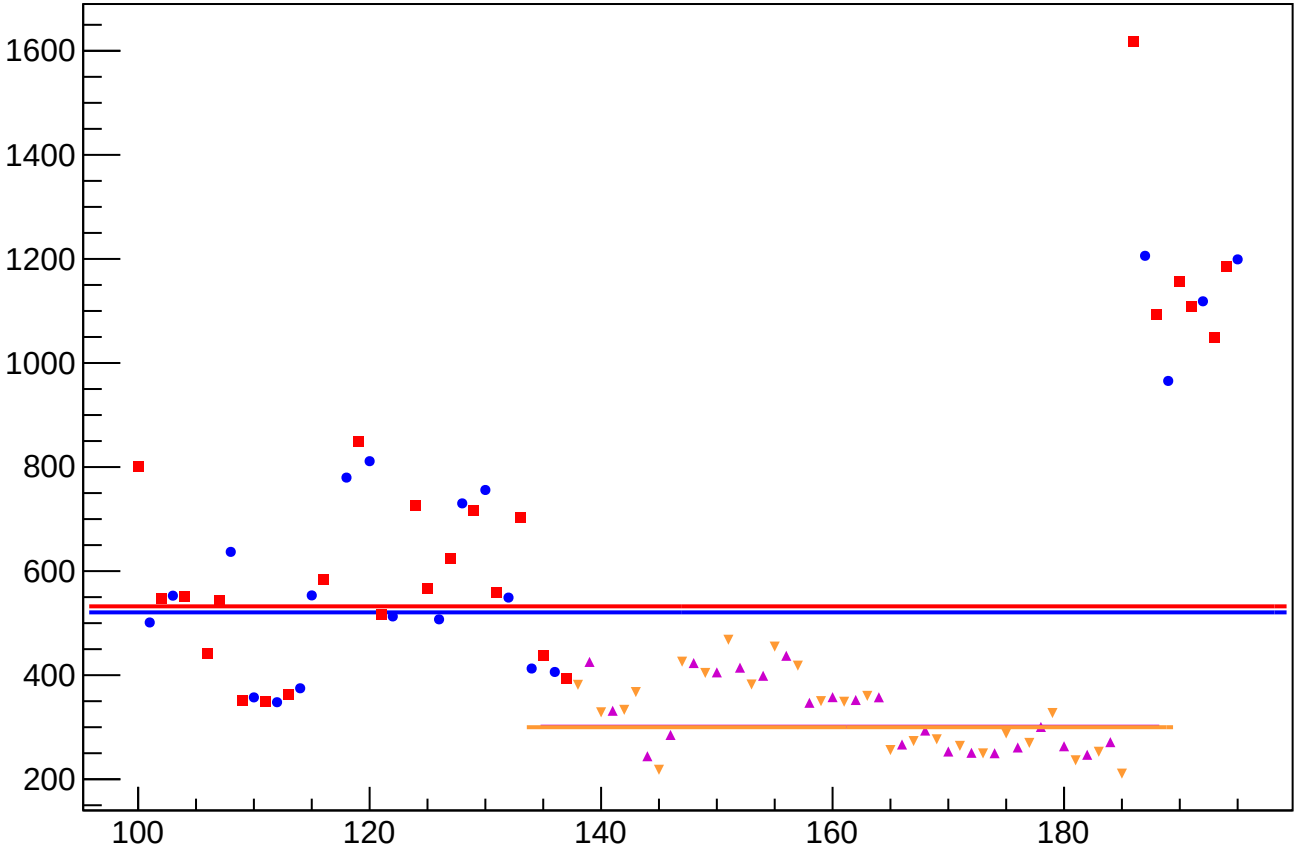
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.697+/-46.588 χ^2/NDF: 135.9/92

- sign 63.878+/-66.522 χ^2/NDF: 59.9/47

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: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

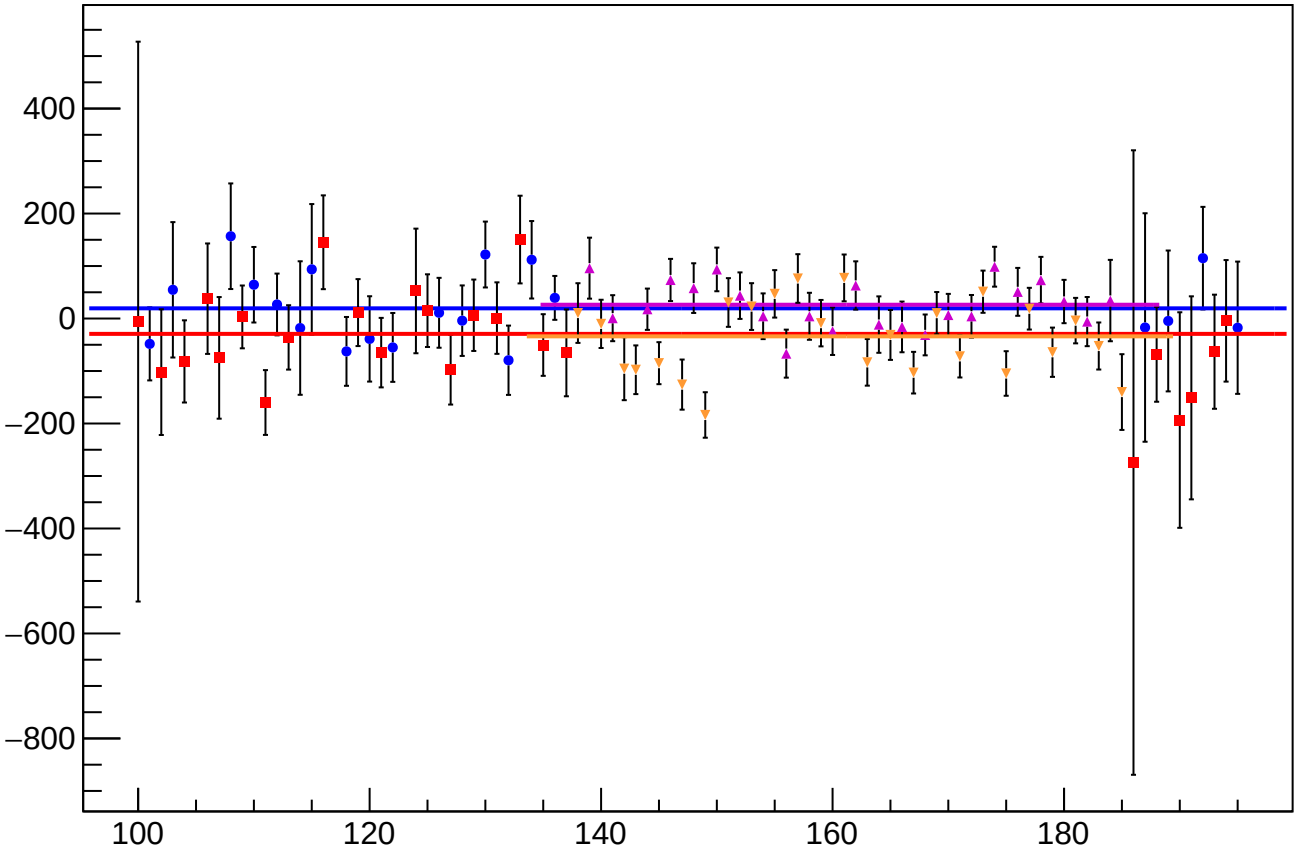
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951900.0/44

All: 331.986+/-0.033 χ^2/NDF: 14695637.7/92

- sign 334.748+/-0.047 χ^2/NDF: 7736972.6/47

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: -29.248+/-16.527 χ^2/NDF: 19.6/24

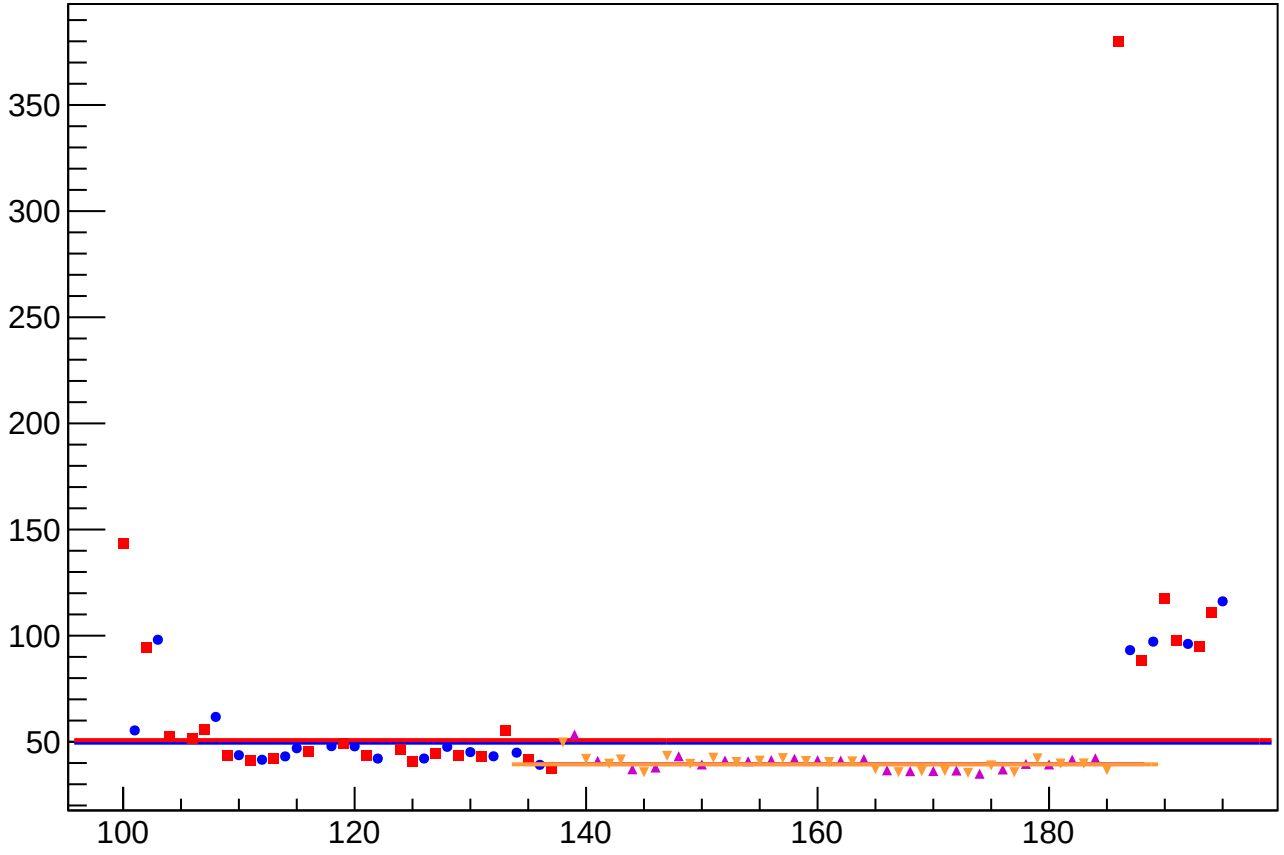
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.127+/-7.934 χ^2/NDF: 81.6/44

All: -4.907+/-5.663 χ^2/NDF: 141.8/92

- sign 12.978+/-8.086 χ^2/NDF: 50.6/47

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

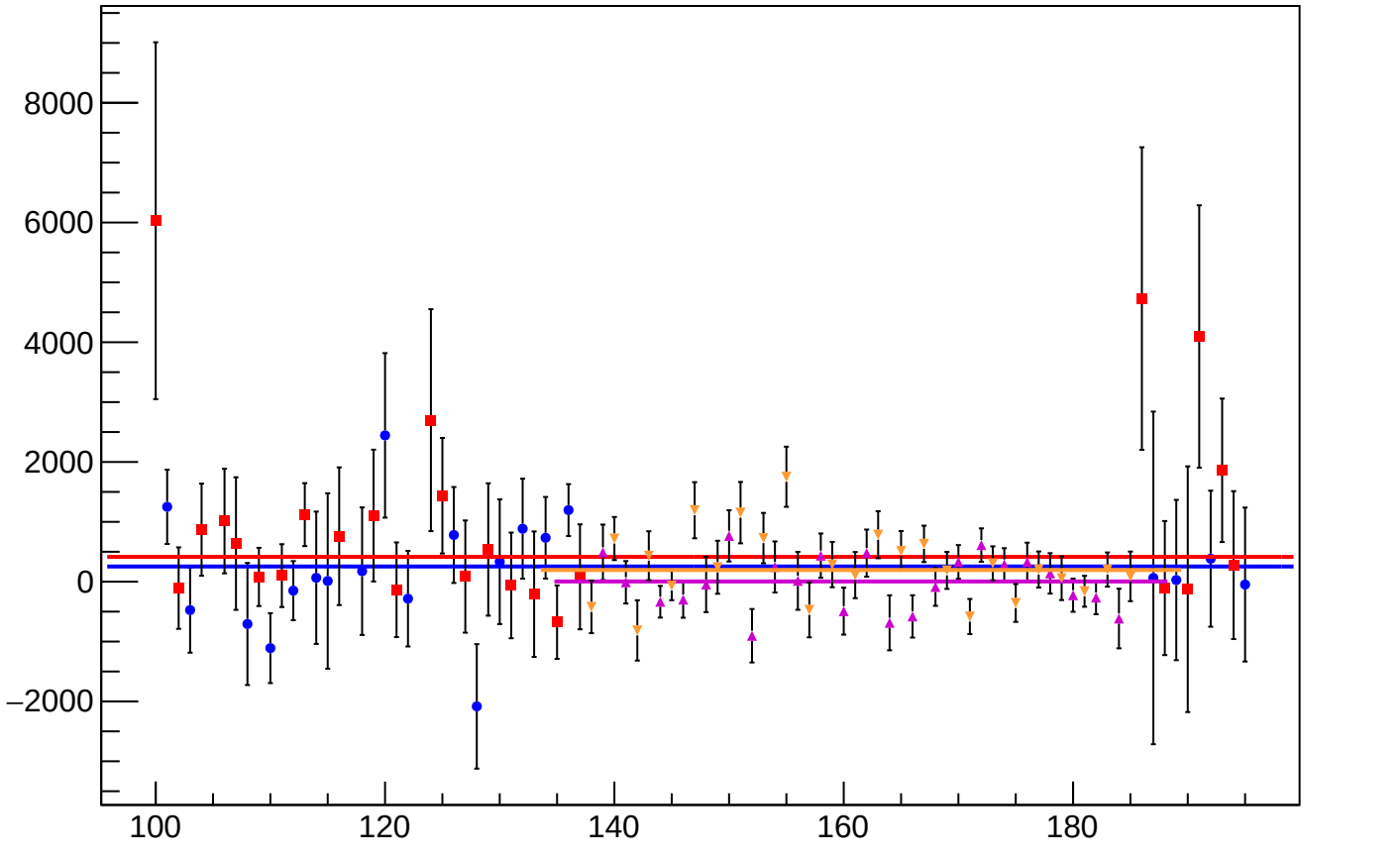
Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.643+/-0.006 χ^2/NDF: 2742187.6/44

All: 41.915+/-0.004 χ^2/NDF: 6558804.1/92

- sign 42.197+/-0.006 χ^2/NDF: 3811836.7/47



Right In: 253.968+/-178.977 χ^2/NDF: 25.1/19

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

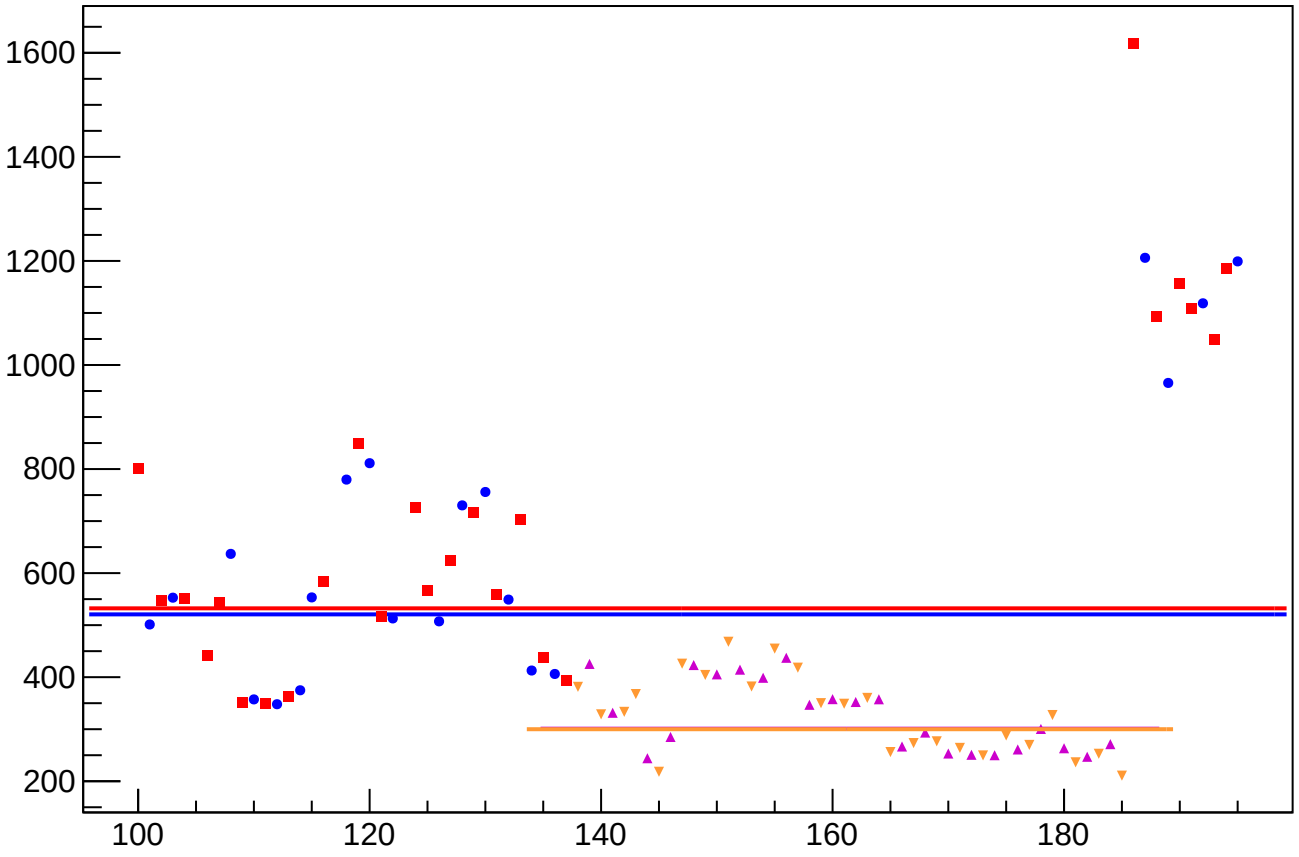
Right Out: 414.281+/-174.149 χ^2/NDF: 22.8/24

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.866+/-65.266 χ^2/NDF: 73.8/44

All: 134.697+/-46.588 χ^2/NDF: 135.9/92

- sign 63.878+/-66.522 χ^2/NDF: 59.9/47



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: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

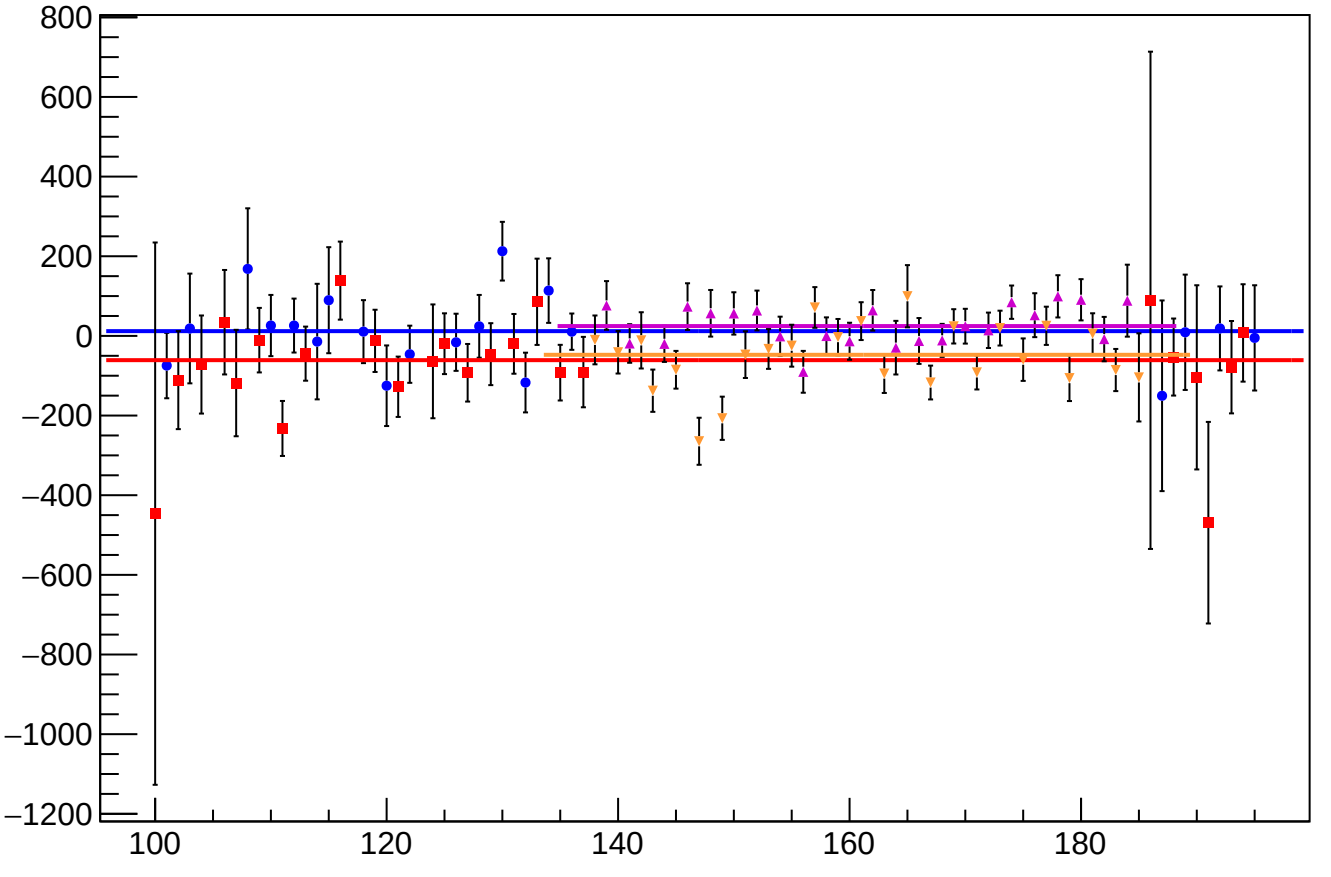
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 329.328+/-0.046 χ^2/NDF: 6951900.0/44

All: 331.986+/-0.033 χ^2/NDF: 14695637.7/92

- sign 334.748+/-0.047 χ^2/NDF: 7736972.6/47

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: -60.915+/-19.148 χ^2/NDF: 19.1/24

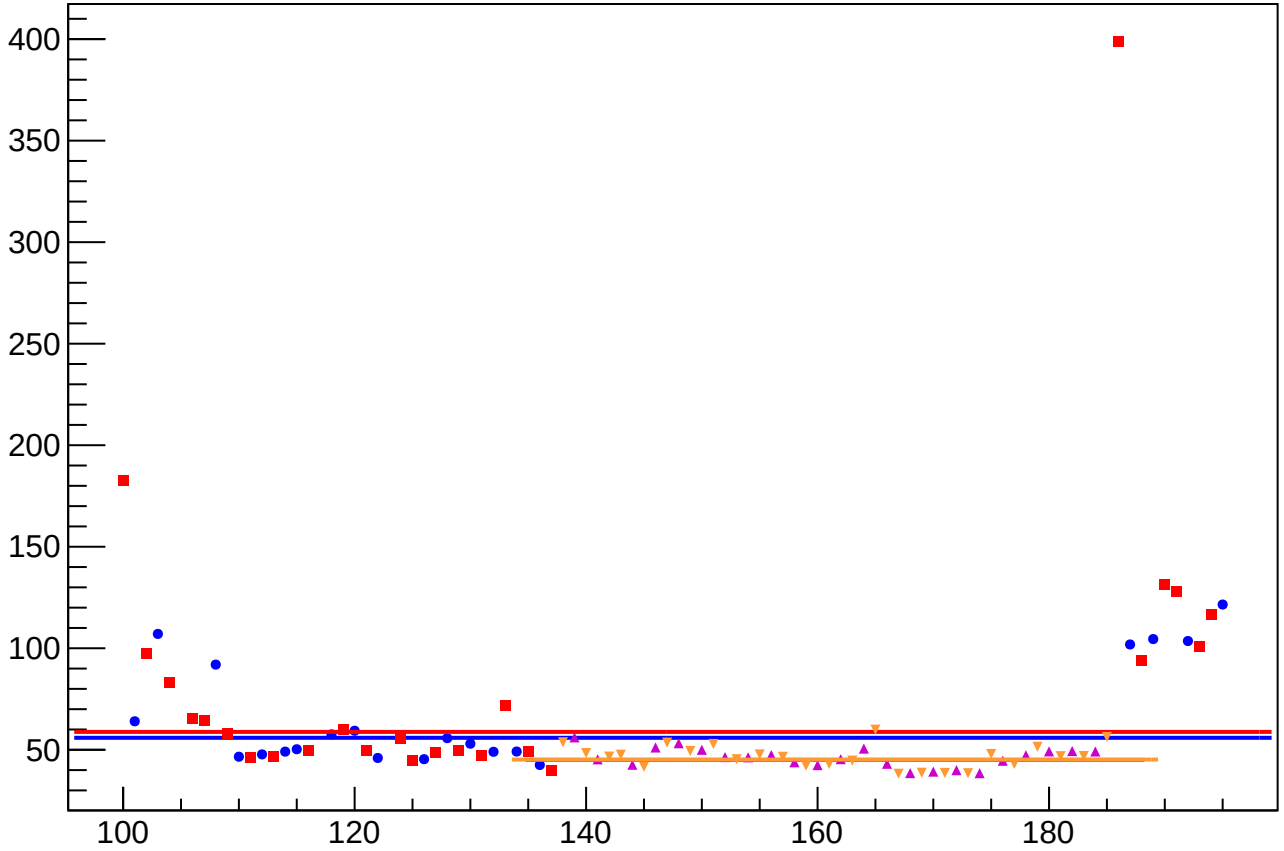
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.868+/-9.125 χ^2/NDF: 79.9/44

All: -15.110+/-6.518 χ^2/NDF: 142.6/92

- sign 4.433+/-9.314 χ^2/NDF: 54.1/47

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: 58.811+/-0.014 χ^2/NDF: 2796088.0/24

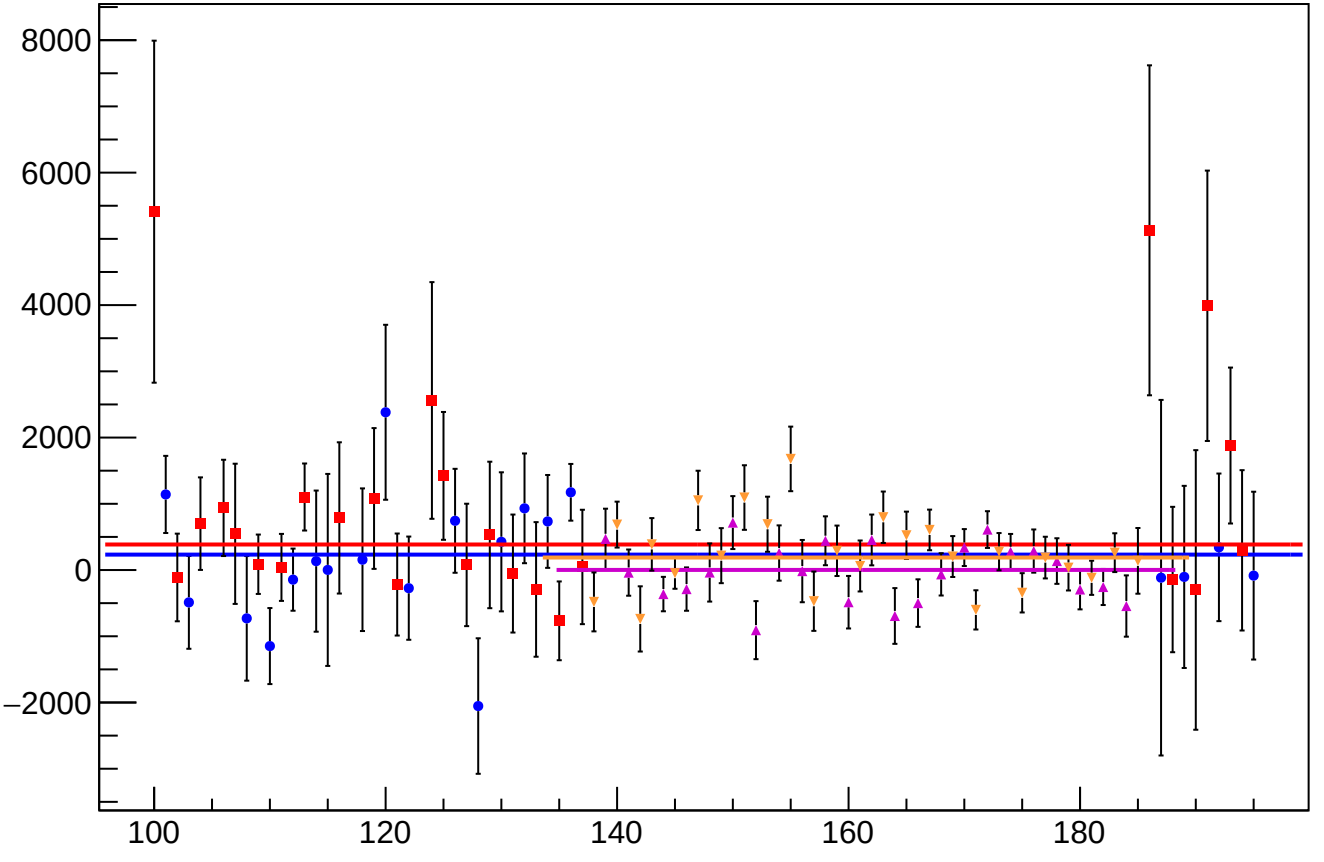
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.632+/-0.006 χ^2/NDF: 2944863.3/44

All: 47.950+/-0.005 χ^2/NDF: 6910979.4/92

- sign 48.281+/-0.007 χ^2/NDF: 3961164.8/47

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: 385.574+/-166.598 χ^2/NDF: 25.3/24

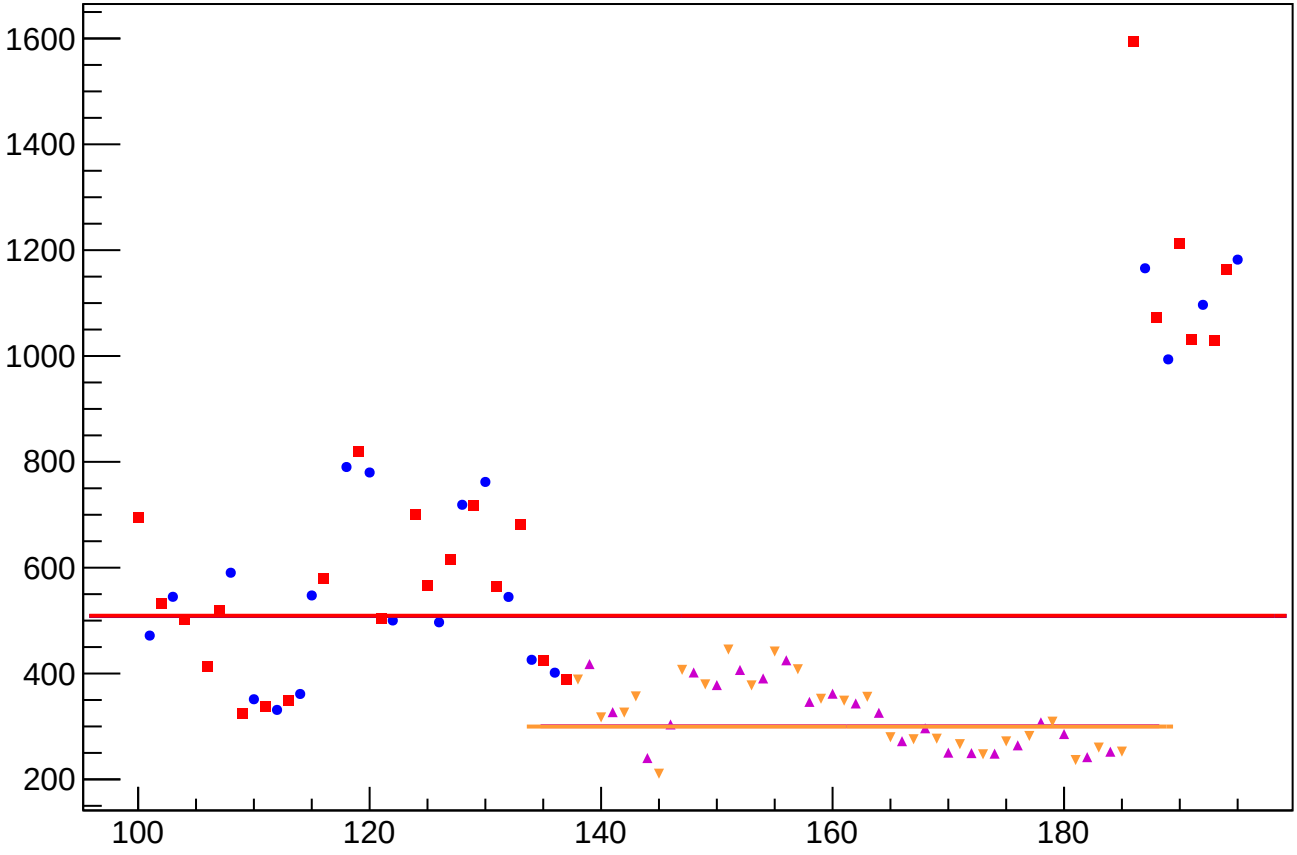
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 194.844+/-64.763 χ^2/NDF: 72.5/44

All: 129.386+/-46.180 χ^2/NDF: 136.6/92

- sign 61.671+/-65.869 χ^2/NDF: 62.0/47

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: 509.166+/-0.118 χ^2/NDF: 3501177.7/24

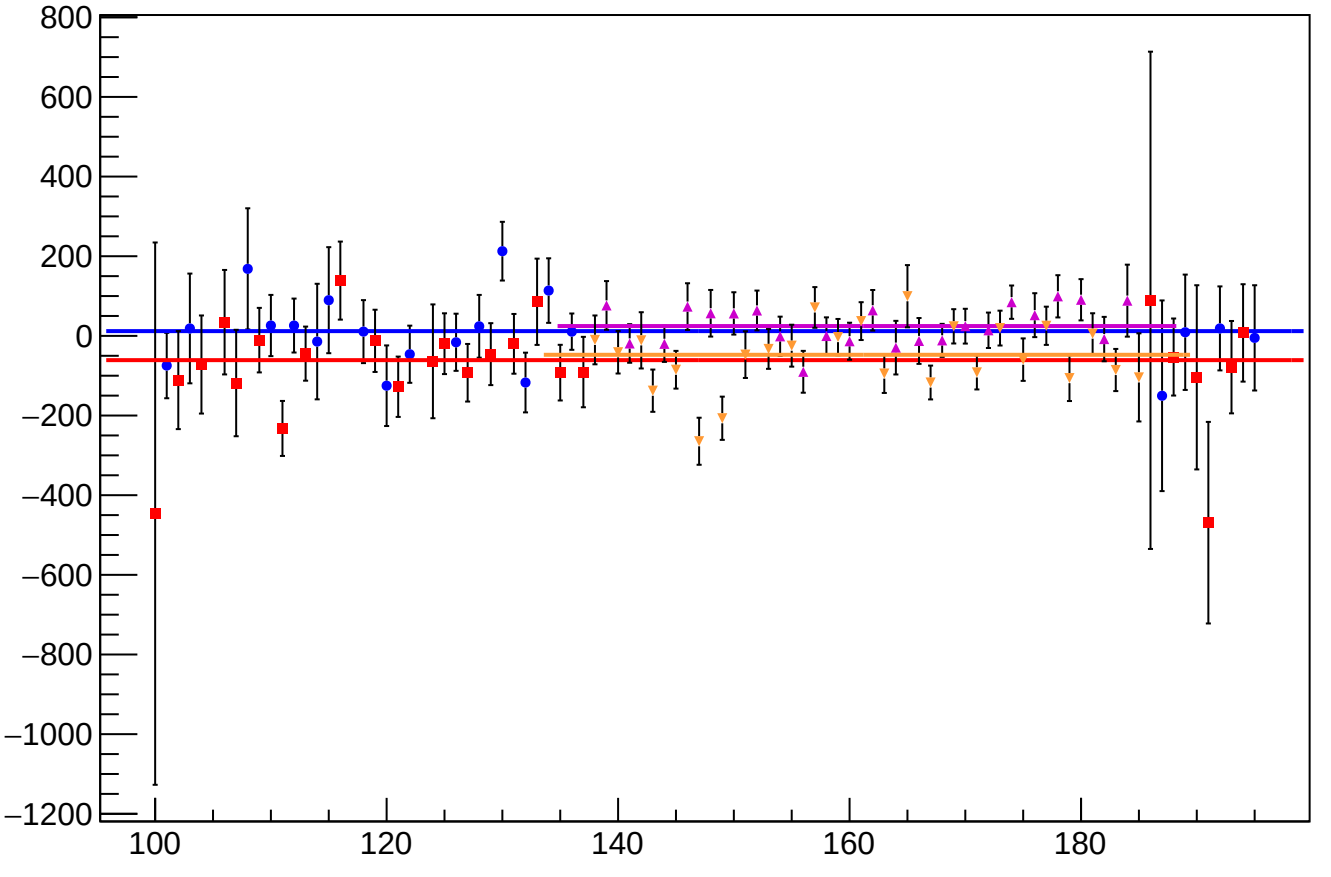
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 328.412+/-0.046 χ^2/NDF: 6611470.3/44

All: 330.744+/-0.033 χ^2/NDF: 14023192.1/92

- sign 333.157+/-0.047 χ^2/NDF: 7406445.9/47

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: -60.916+/-19.148 χ^2/NDF: 19.1/24

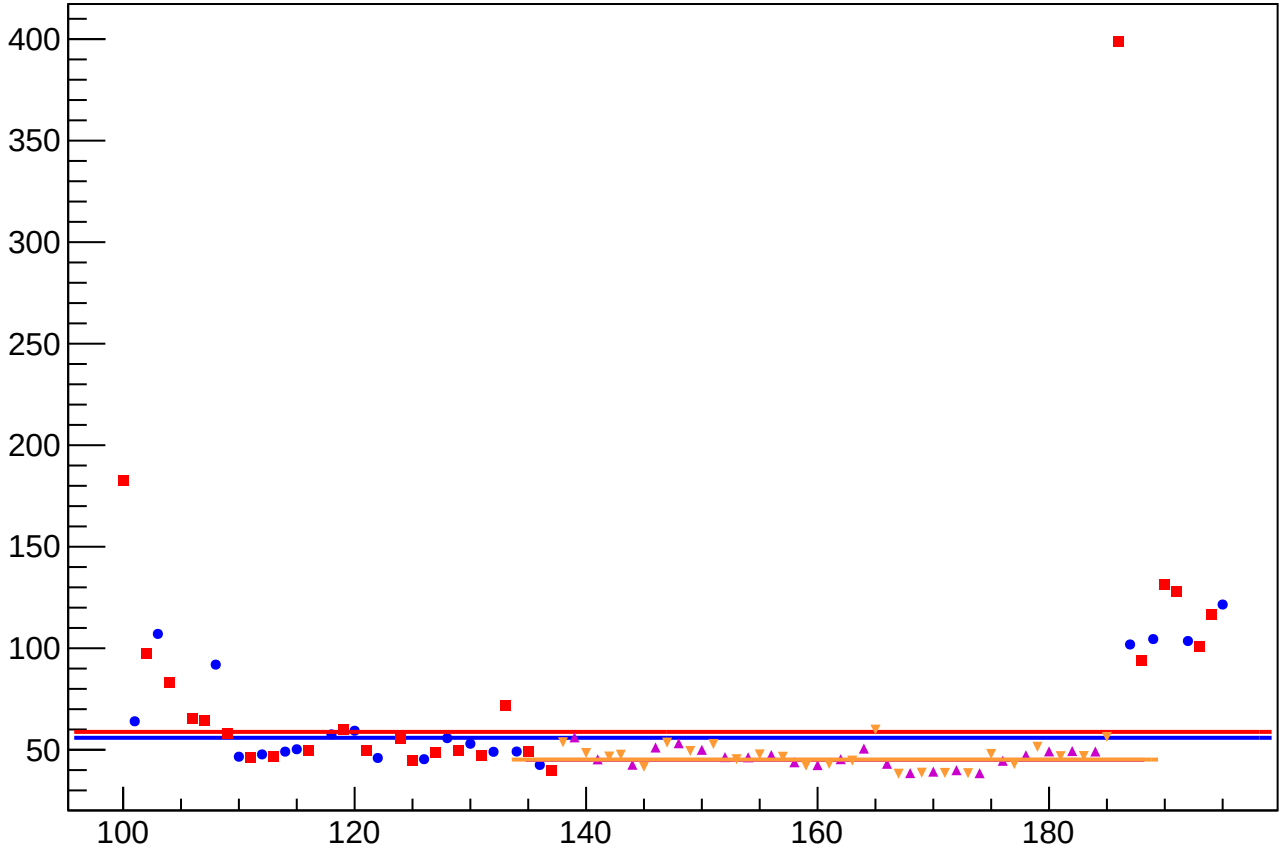
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.868+/-9.125 χ^2/NDF: 79.9/44

All: -15.110+/-6.518 χ^2/NDF: 142.6/92

- sign 4.433+/-9.314 χ^2/NDF: 54.1/47

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

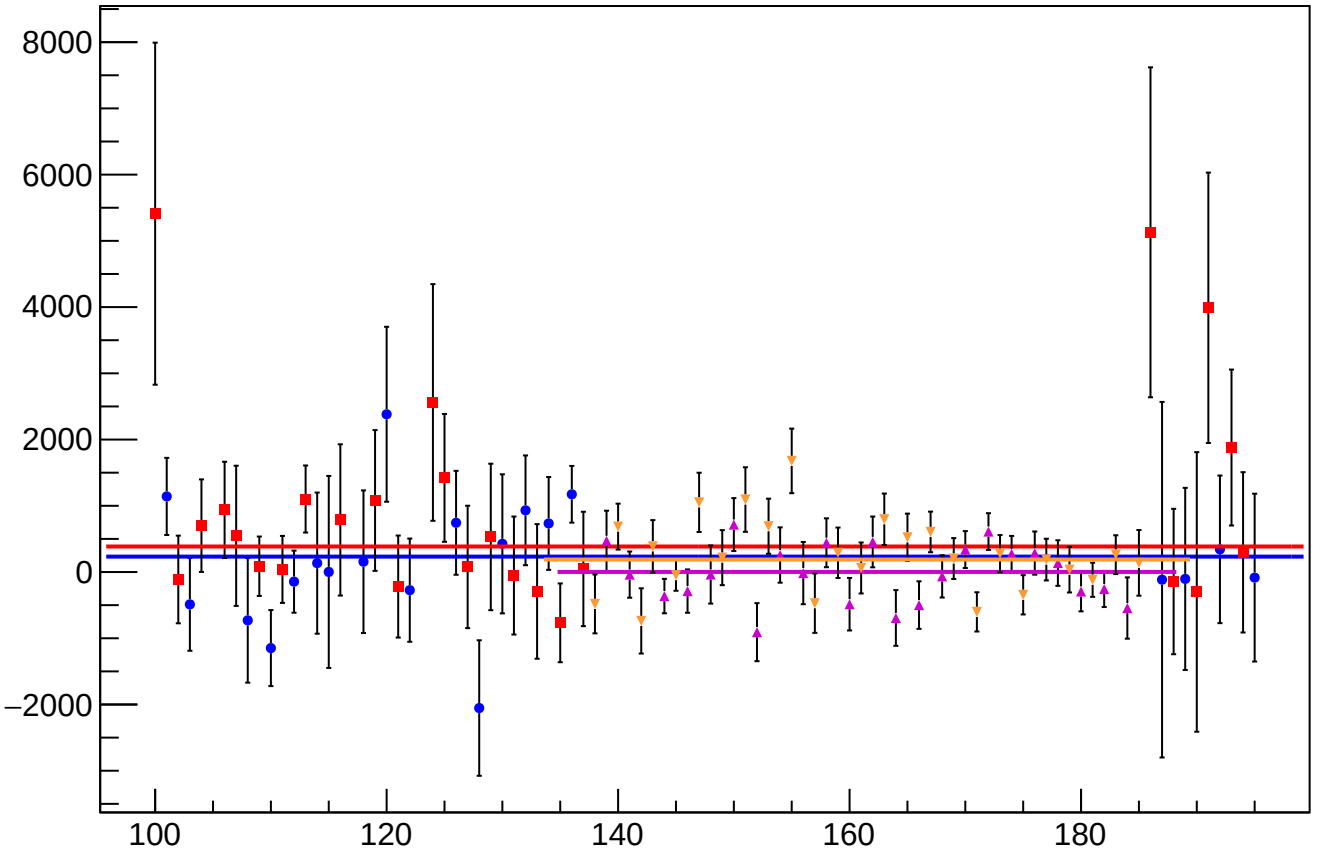
Right Out: 58.812+/-0.014 χ^2/NDF: 2796098.6/24

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.632+/-0.006 χ^2/NDF: 2944872.9/44

All: 47.950+/-0.005 χ^2/NDF: 6911002.4/92

- sign 48.281+/-0.007 χ^2/NDF: 3961177.6/47



Right In: 232.841+/-174.971 χ^2/NDF: 25.7/19

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

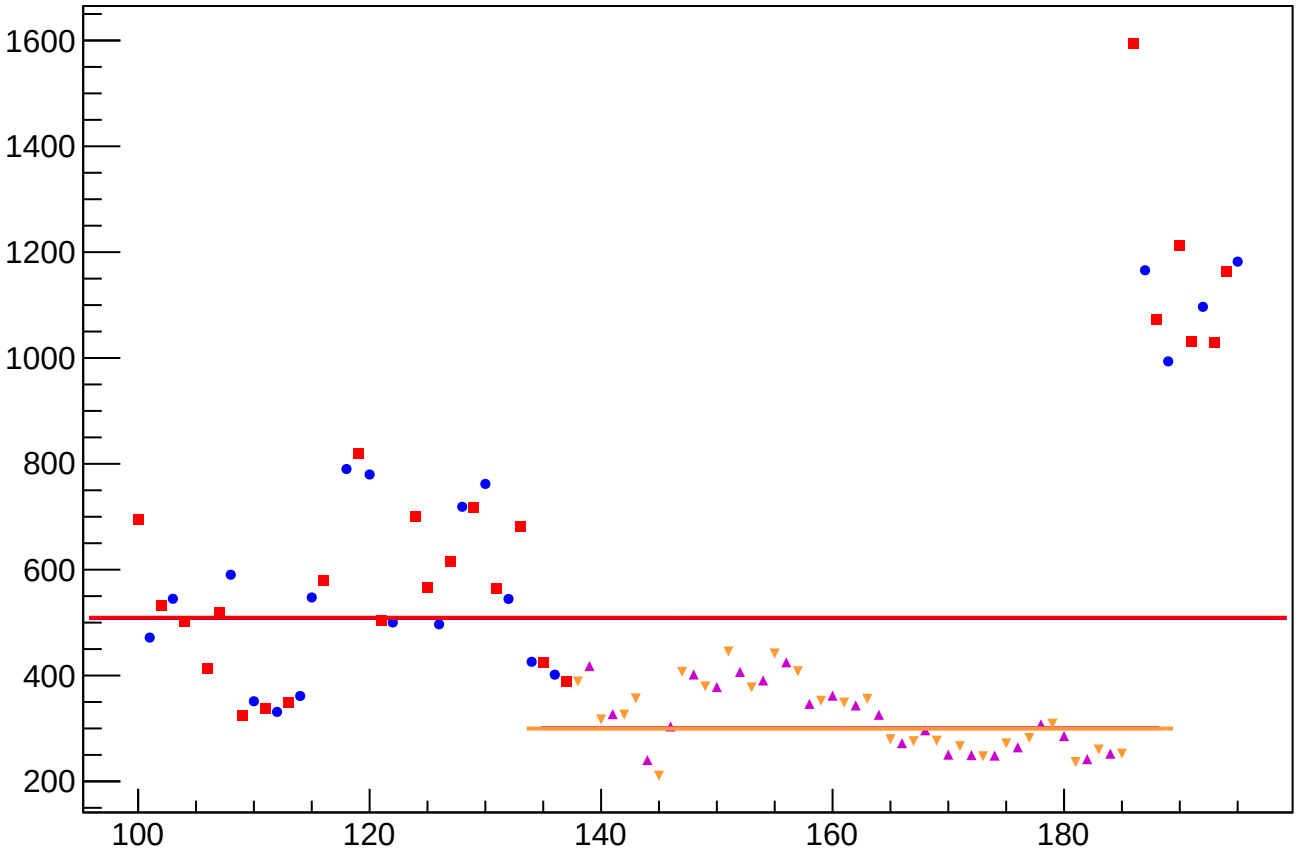
Right Out: 385.574+/-166.597 χ^2/NDF: 25.3/24

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

\+ sign 194.844+/-64.763 χ^2/NDF: 72.5/44

All: 129.385+/-46.180 χ^2/NDF: 136.6/92

\- sign 61.671+/-65.869 χ^2/NDF: 62.0/47



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: 509.165+/-0.118 χ^2/NDF: 3501176.7/24

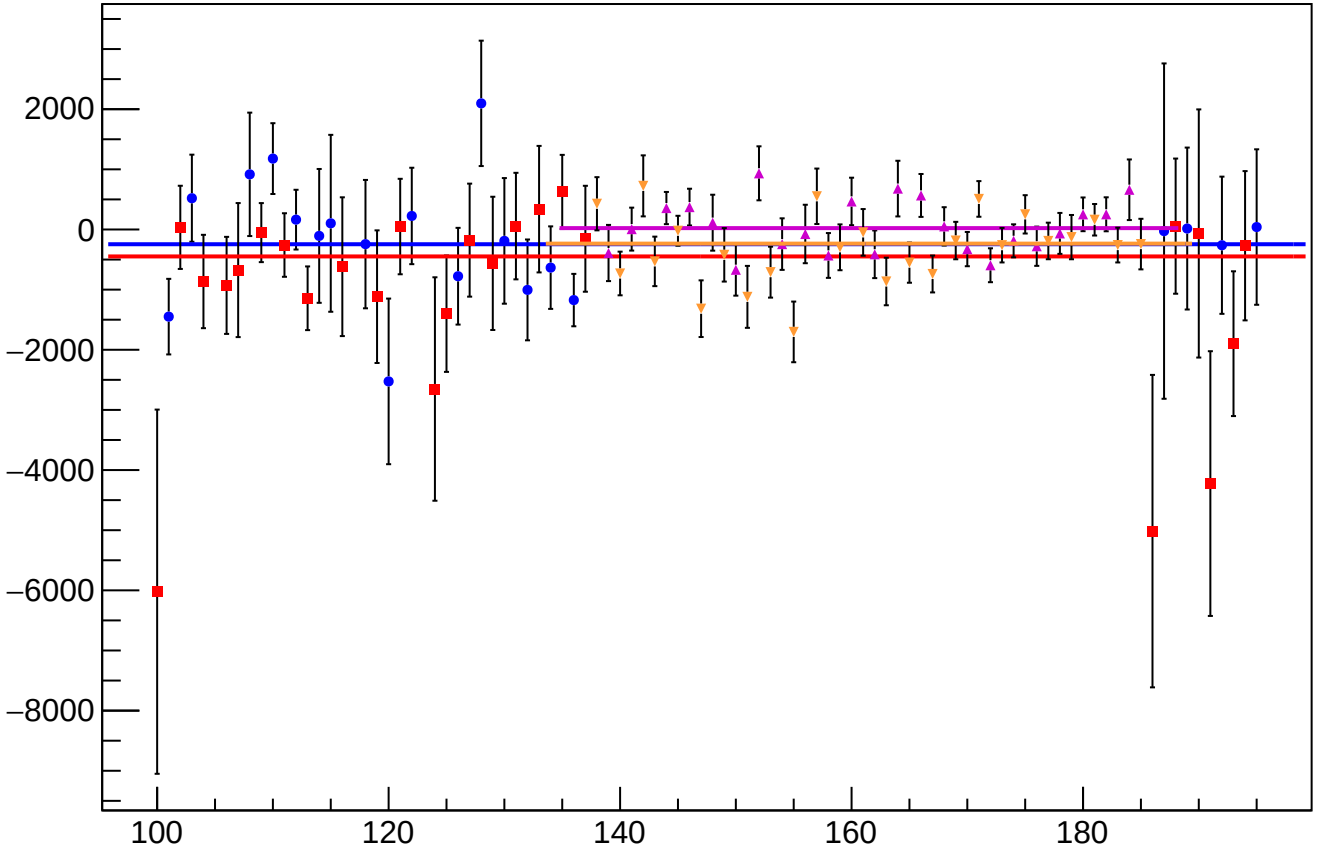
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 328.413+/-0.046 χ^2/NDF: 6611456.5/44

All: 330.745+/-0.033 χ^2/NDF: 14023147.3/92

- sign 333.157+/-0.047 χ^2/NDF: 7406414.4/47

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: -448.106+/-174.632 χ^2/NDF: 22.1/24

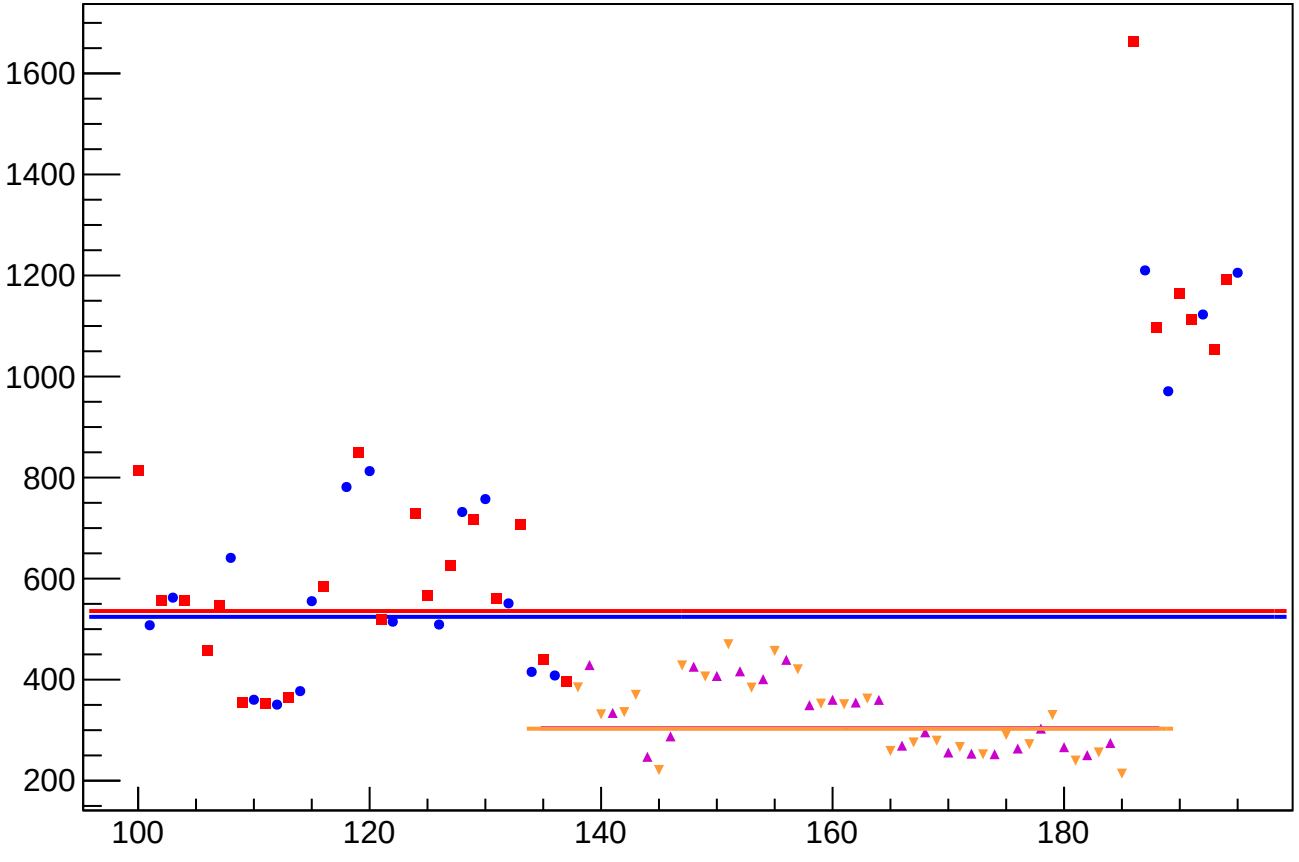
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -236.517+/-65.847 χ^2/NDF: 74.5/44

All: -143.396+/-46.988 χ^2/NDF: 136.7/92

- sign -46.780+/-67.071 χ^2/NDF: 58.1/47

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

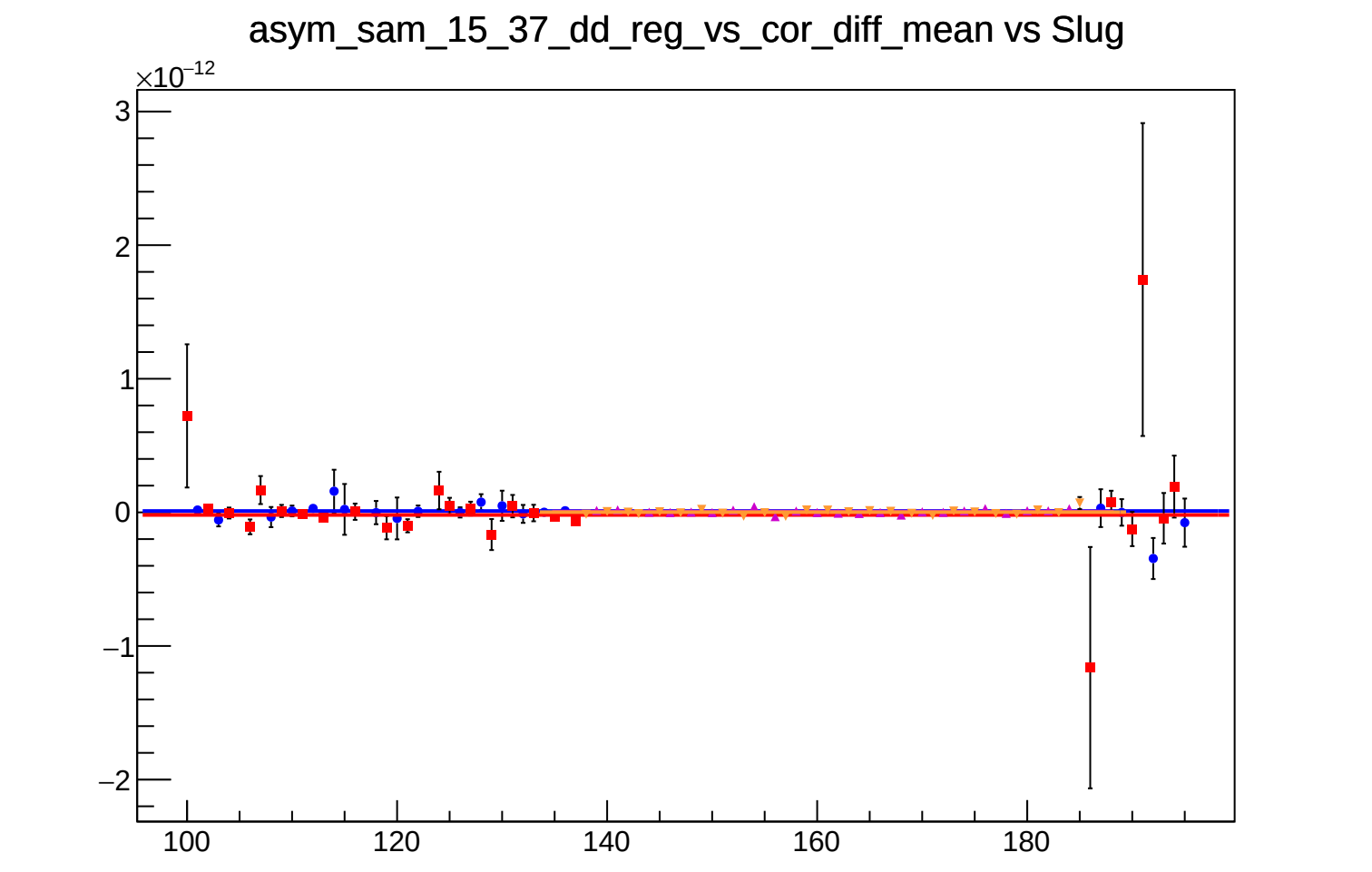
Right Out: 535.822+/-0.123 χ^2/NDF: 3305159.4/24

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 332.516+/-0.047 χ^2/NDF: 6876417.4/44

All: 335.271+/-0.033 χ^2/NDF: 14571533.4/92

- sign 338.130+/-0.047 χ^2/NDF: 7687979.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

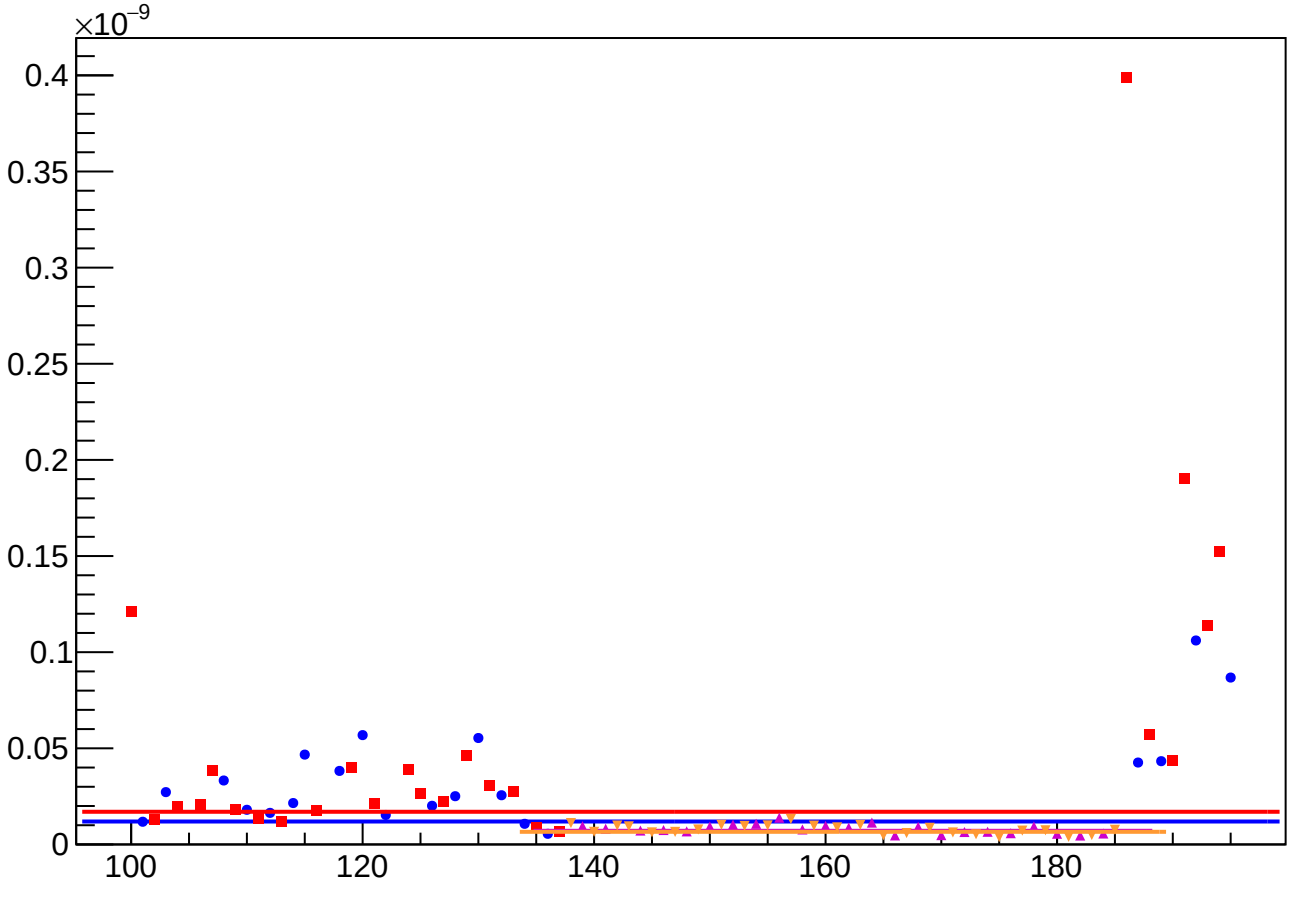
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/24

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: 89.7/92

- sign 0.000+/-0.000 χ^2/NDF: 54.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 3507576.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

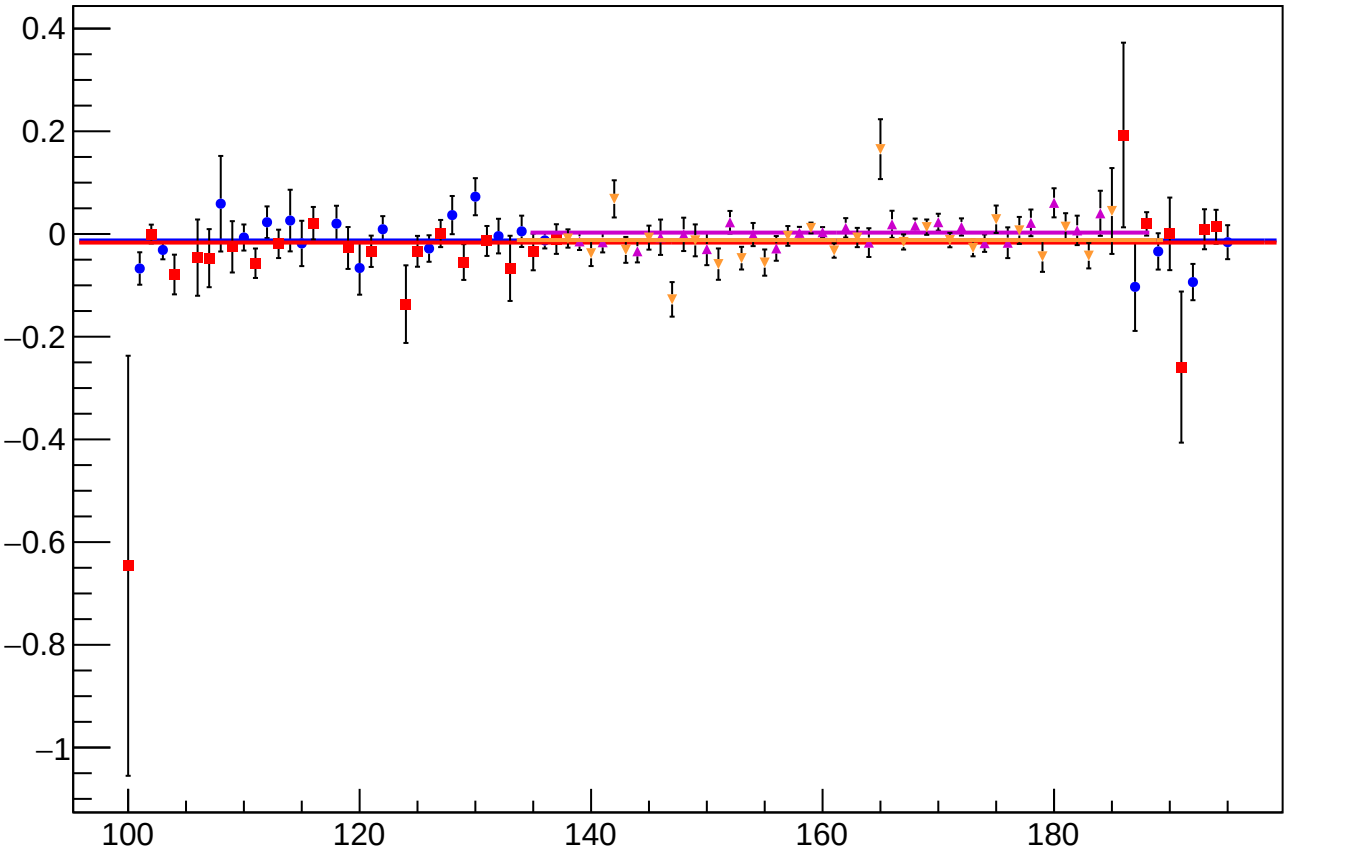
Right Out: 0.000+/-0.000 χ^2/NDF: 3379024.0/24

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: 12014747.5/92

- sign 0.000+/-0.000 χ^2/NDF: 6133002.9/47



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: -0.017+/-0.007 χ^2/NDF: 23.4/24

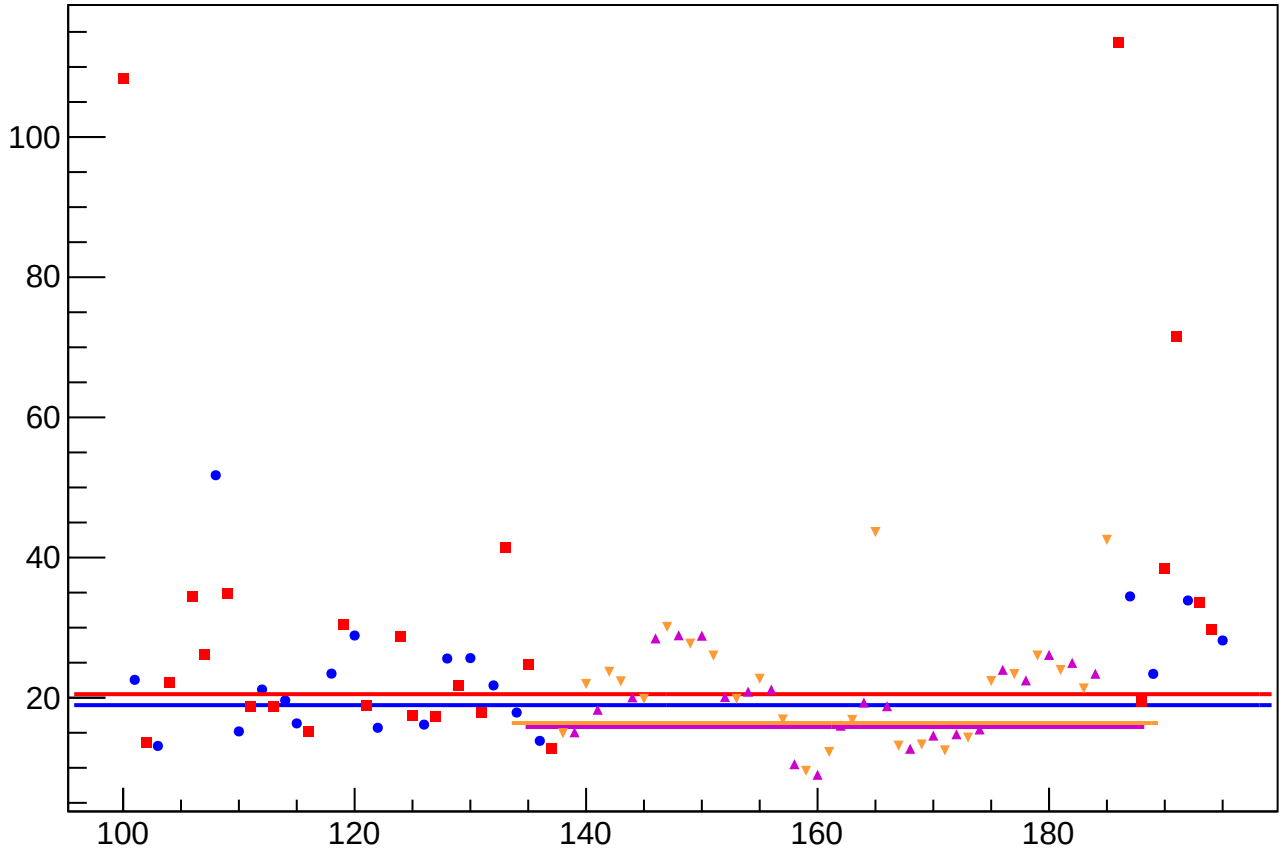
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/44

All: -0.007+/-0.002 χ^2/NDF: 130.3/92

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47

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

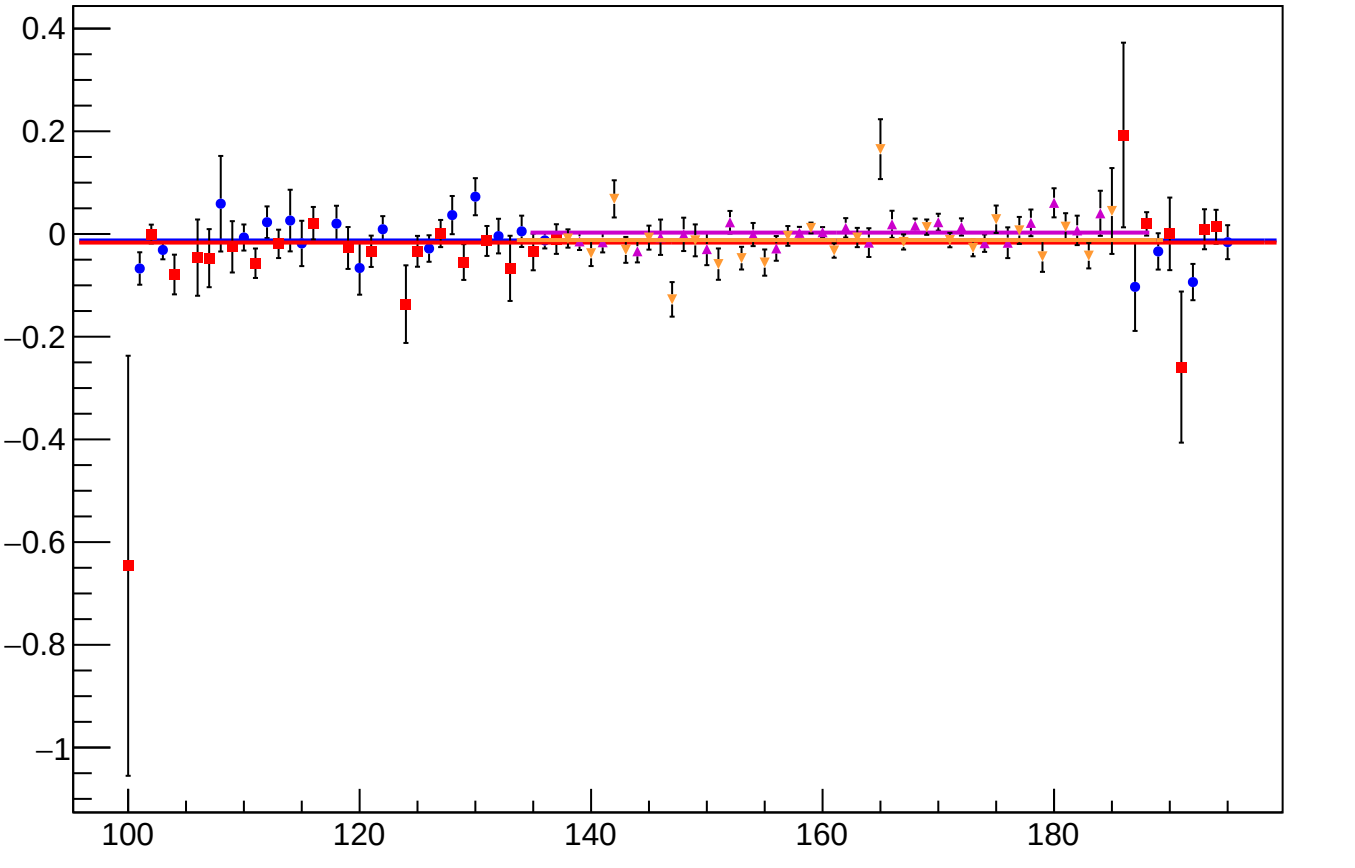
Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.068+/-0.002 χ^2/NDF: 5913979.5/44

All: 17.032+/-0.002 χ^2/NDF: 12849392.8/92

- sign 16.996+/-0.002 χ^2/NDF: 6934996.0/47



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

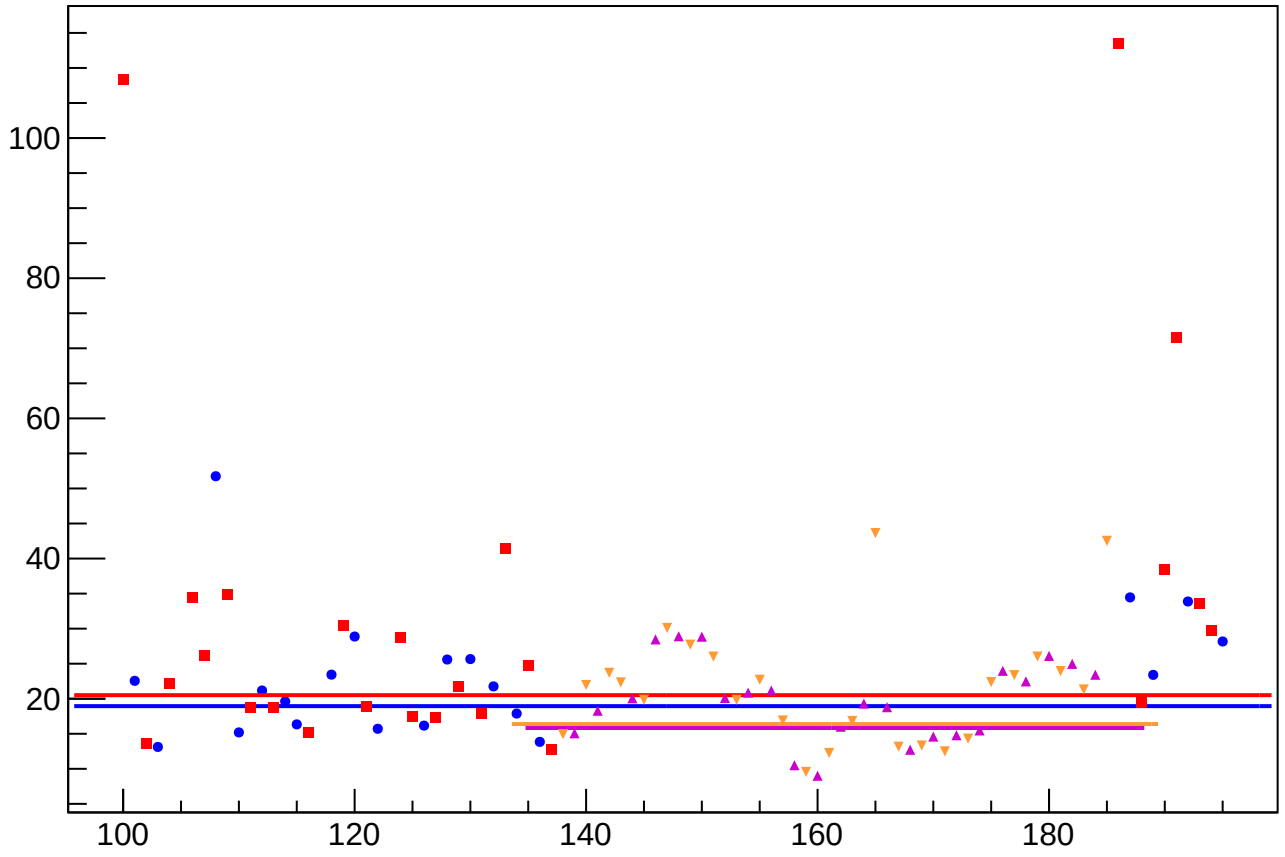
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

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: 130.3/92

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.943+/-0.005 χ^2/NDF: 1673738.5/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

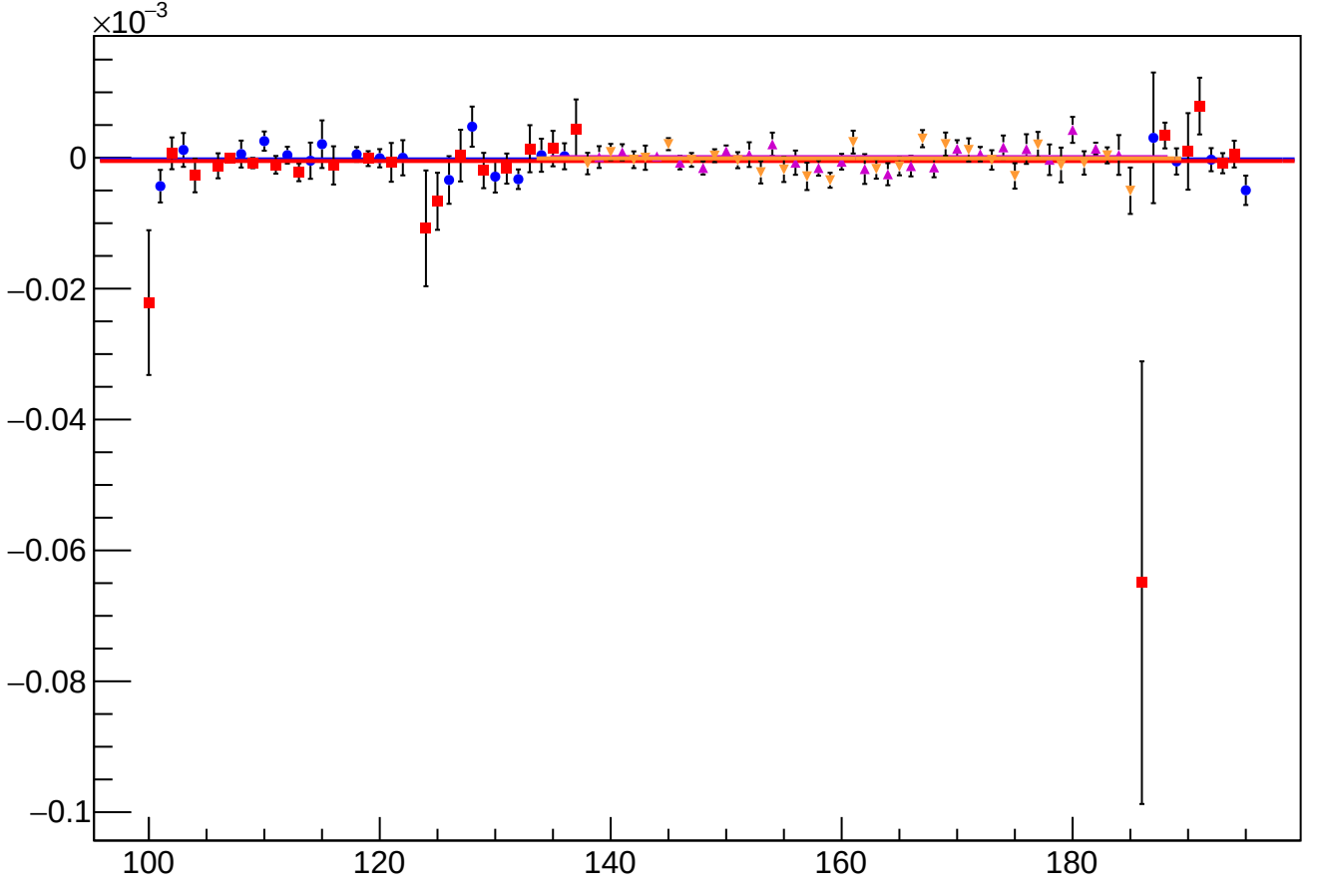
Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.068+/-0.002 χ^2/NDF: 5913979.5/44

All: 17.032+/-0.002 χ^2/NDF: 12849392.8/92

- sign 16.996+/-0.002 χ^2/NDF: 6934996.0/47



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: 24.9/24

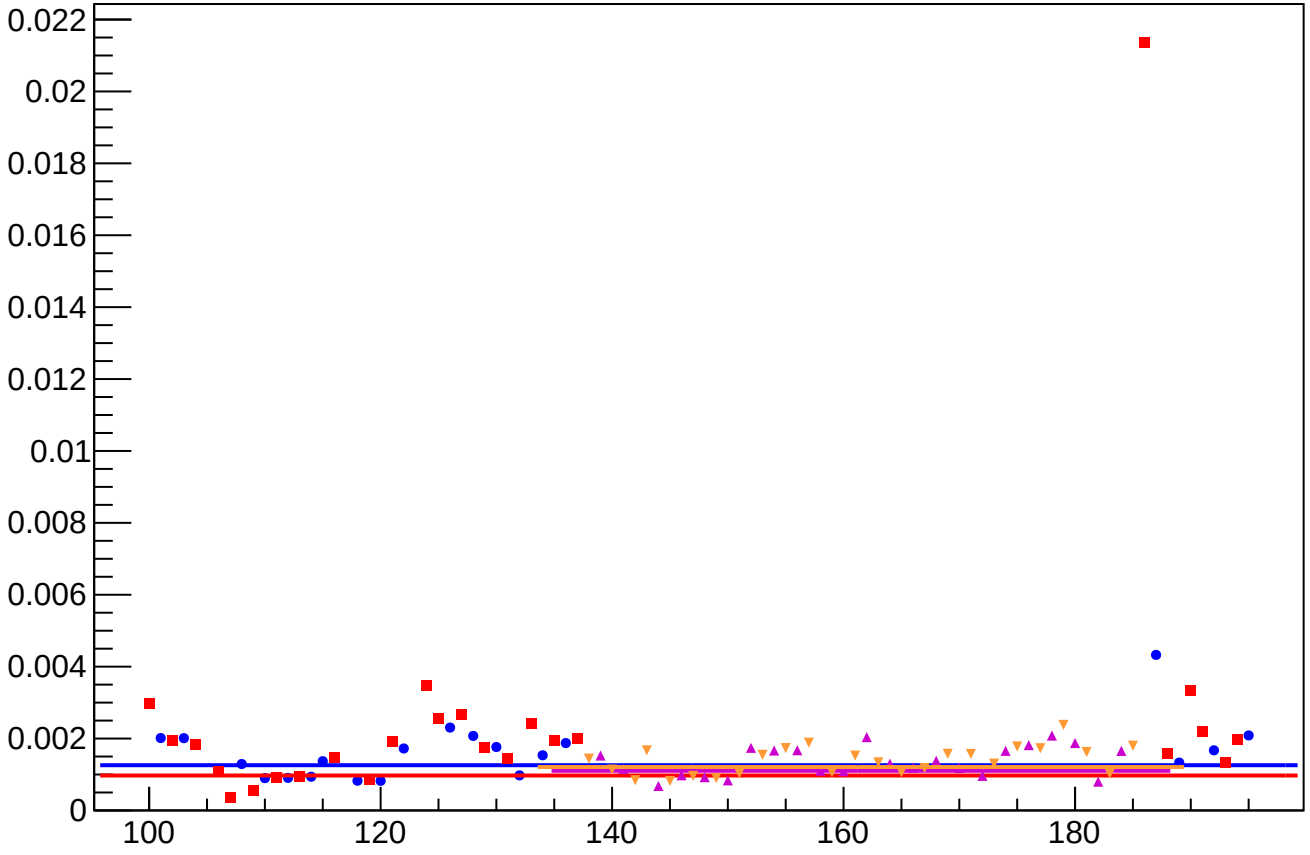
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/44

All: -0.000+/-0.000 χ^2/NDF: 106.2/92

- sign -0.000+/-0.000 χ^2/NDF: 48.7/47

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2457084.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

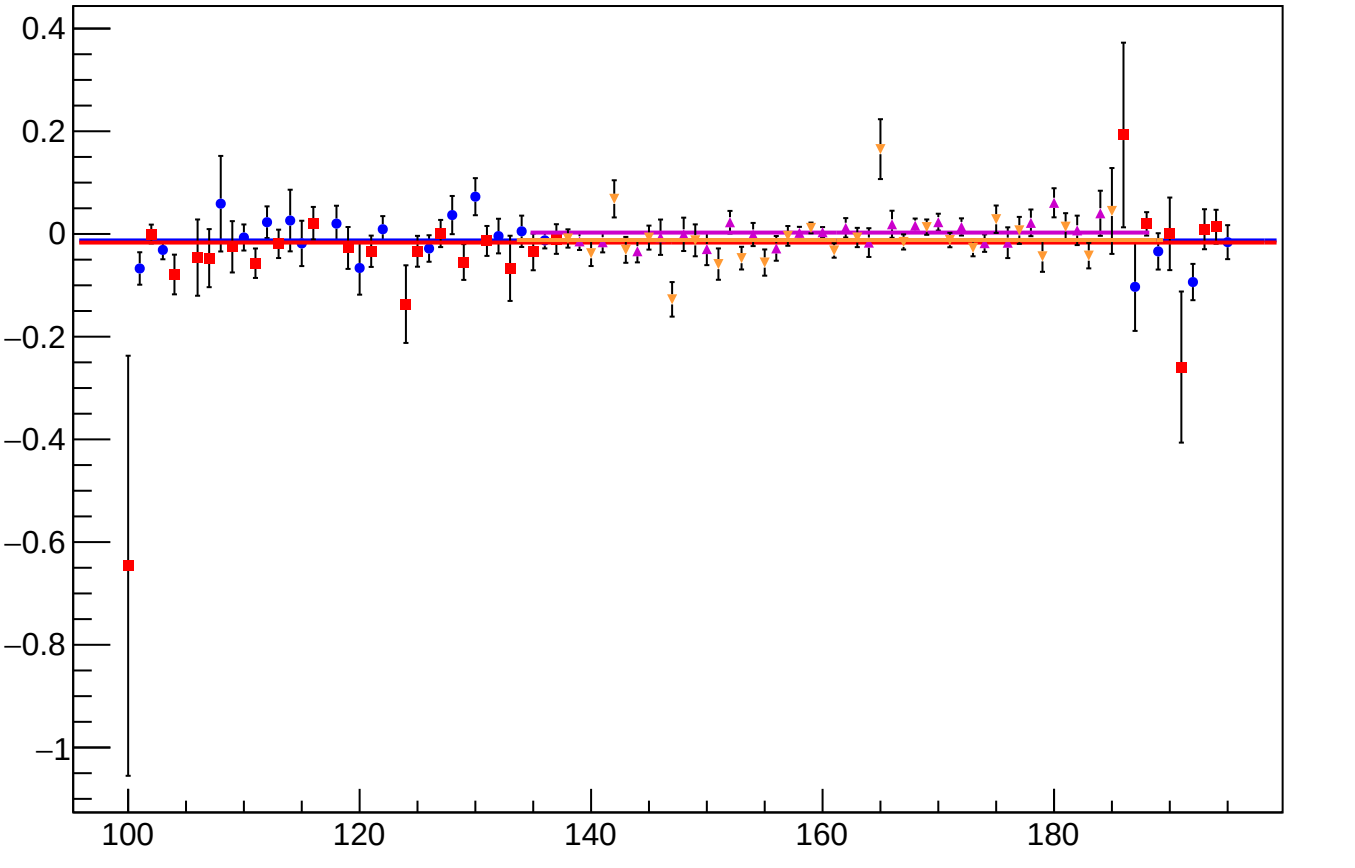
Right Out: 0.001+/-0.000 χ^2/NDF: 6571782.9/24

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: 15976563.7/92

- sign 0.001+/-0.000 χ^2/NDF: 10240117.7/47



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

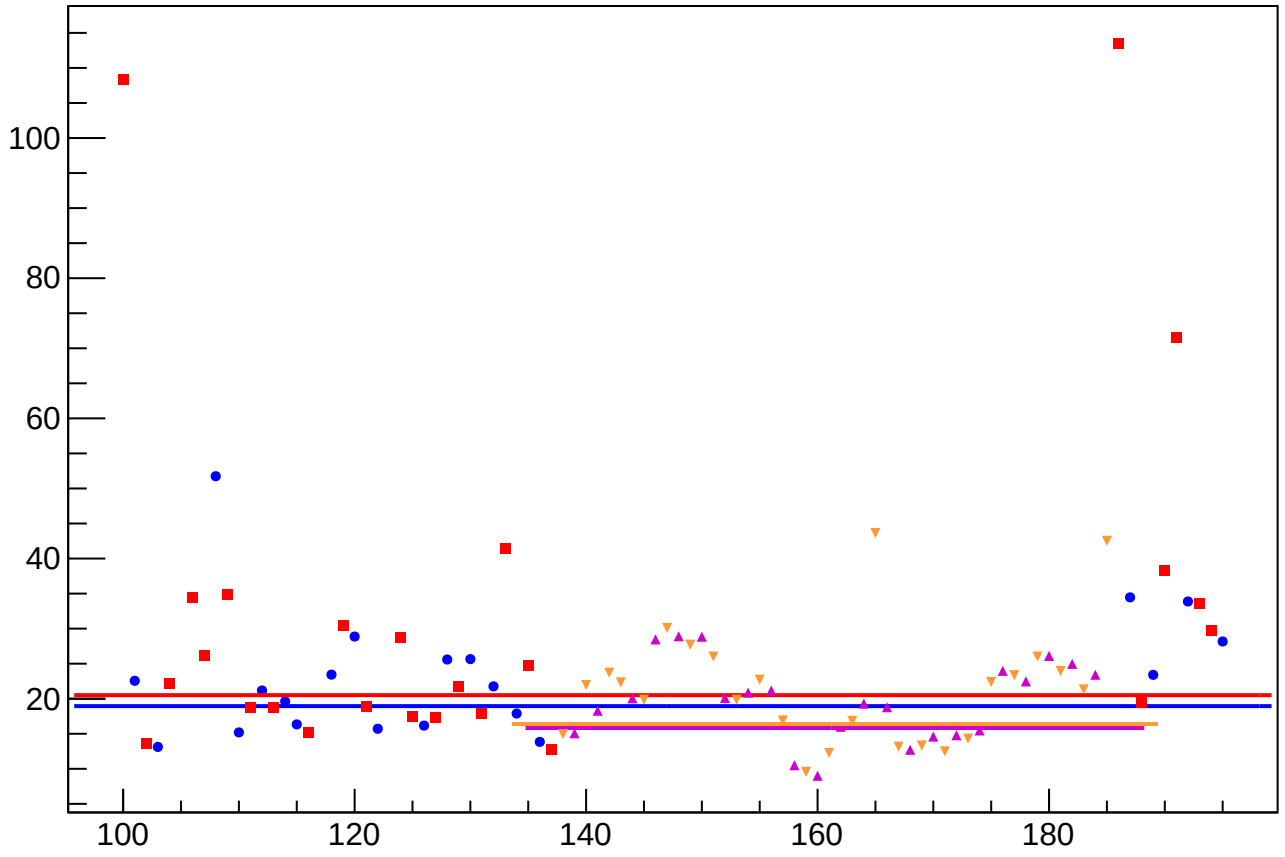
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

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: 130.3/92

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

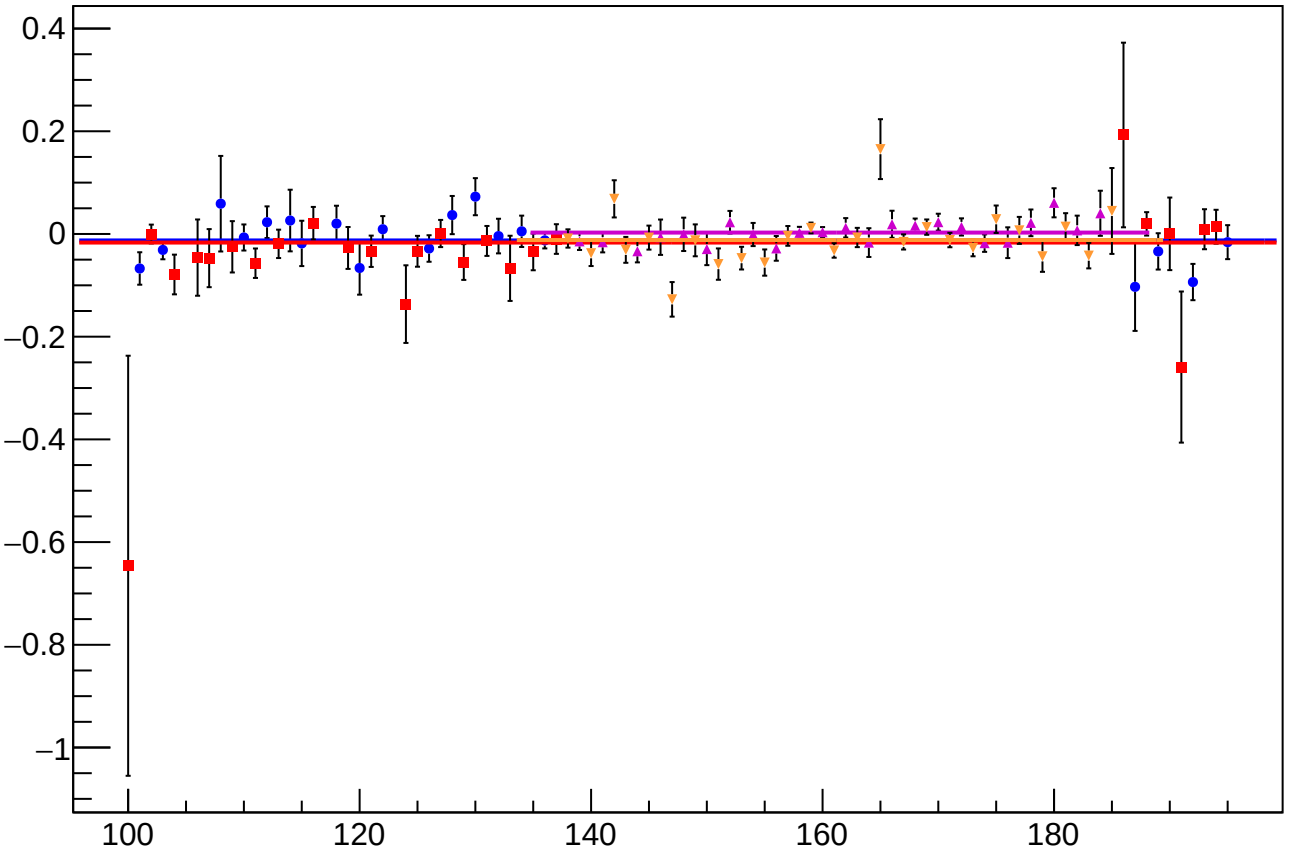
Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.067+/-0.002 χ^2/NDF: 5914292.4/44

All: 17.032+/-0.002 χ^2/NDF: 12850104.0/92

- sign 16.996+/-0.002 χ^2/NDF: 6935394.6/47



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

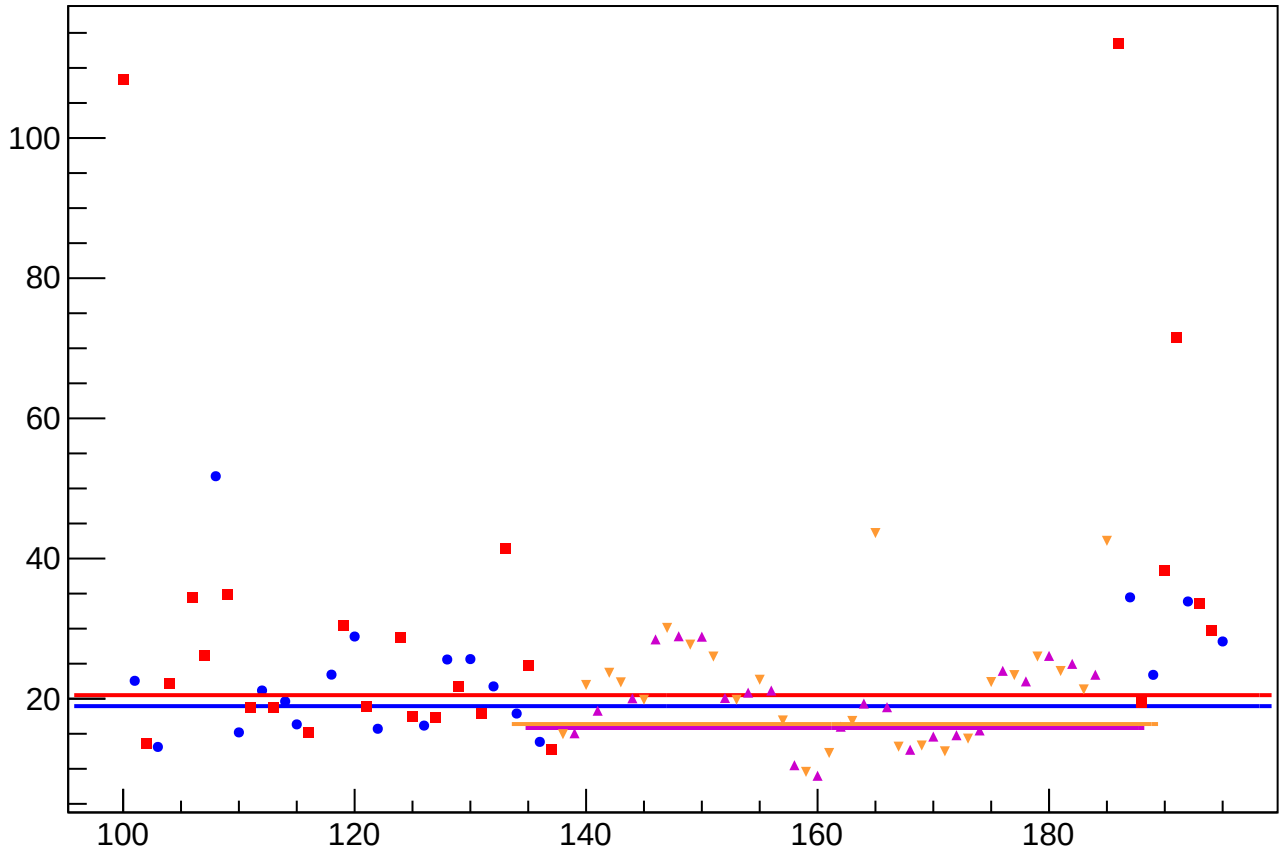
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

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: 130.3/92

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

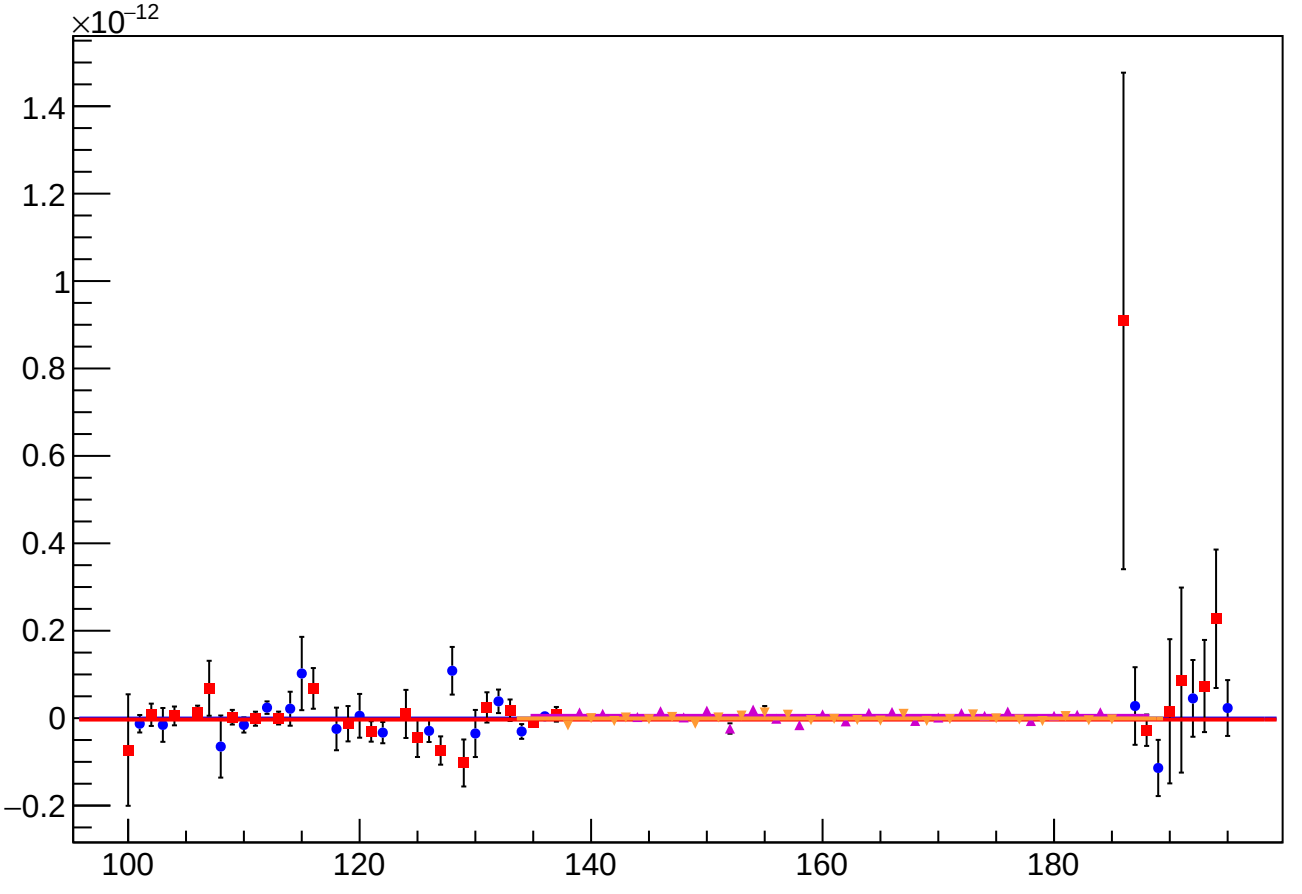
Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.067+/-0.002 χ^2/NDF: 5914292.4/44

All: 17.032+/-0.002 χ^2/NDF: 12850104.0/92

- sign 16.996+/-0.002 χ^2/NDF: 6935394.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

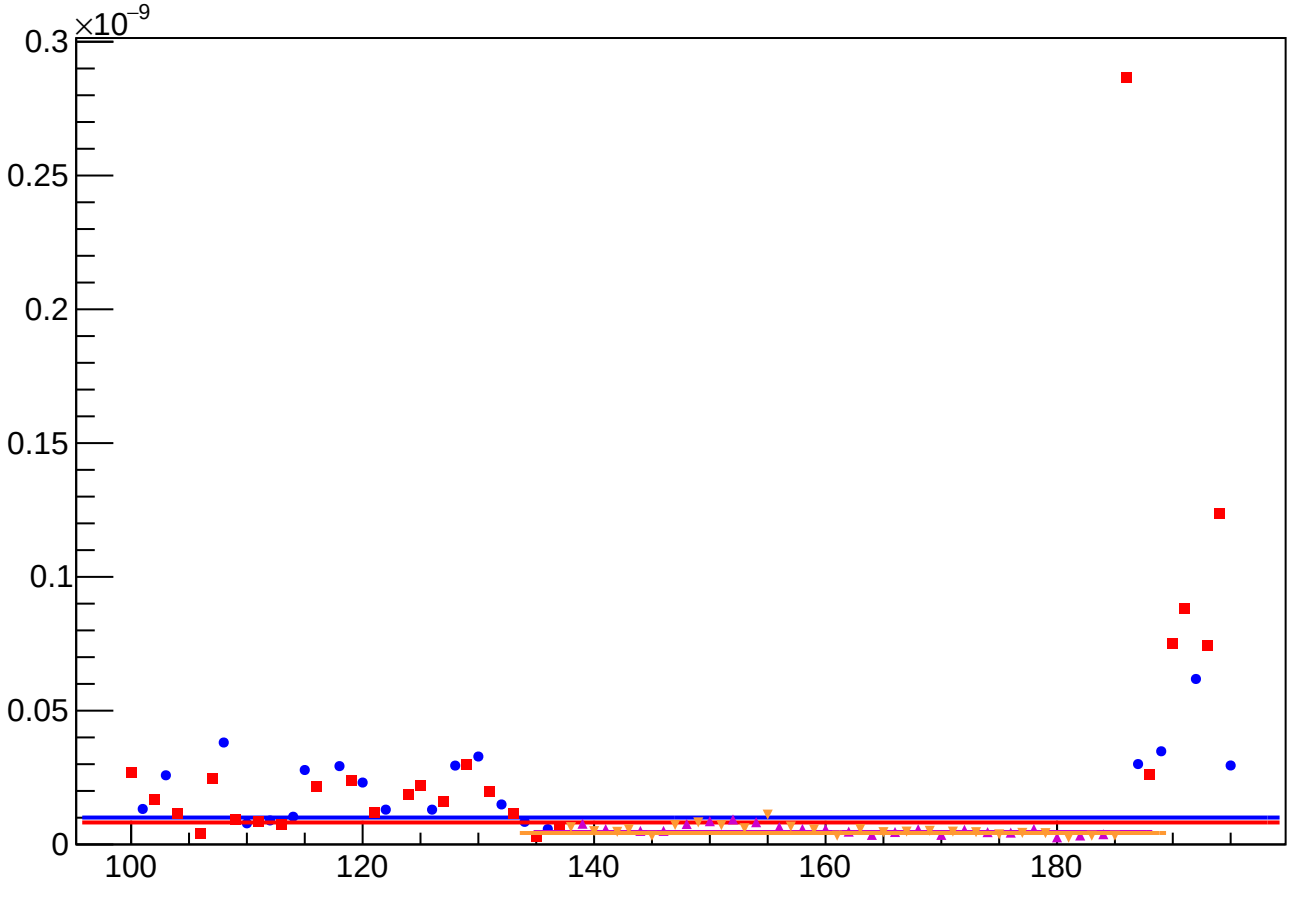
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

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: 117.7/92

- sign 0.000+/-0.000 χ^2/NDF: 66.3/47



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: 6557885.4/24

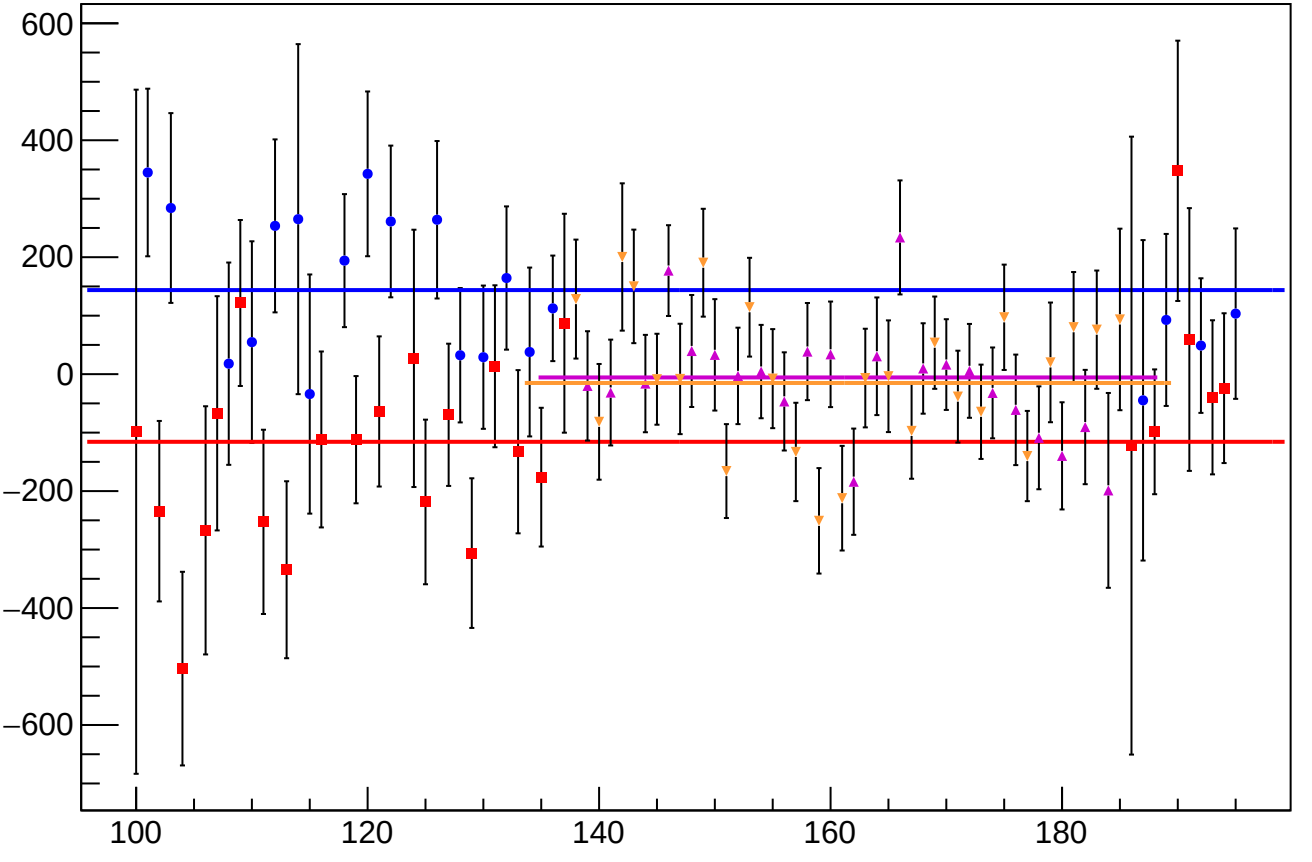
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9004152.4/44

All: 0.000+/-0.000 χ^2/NDF: 19312153.0/92

- sign 0.000+/-0.000 χ^2/NDF: 10236553.2/47

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: -115.709+/-30.094 χ^2/NDF: 23.9/24

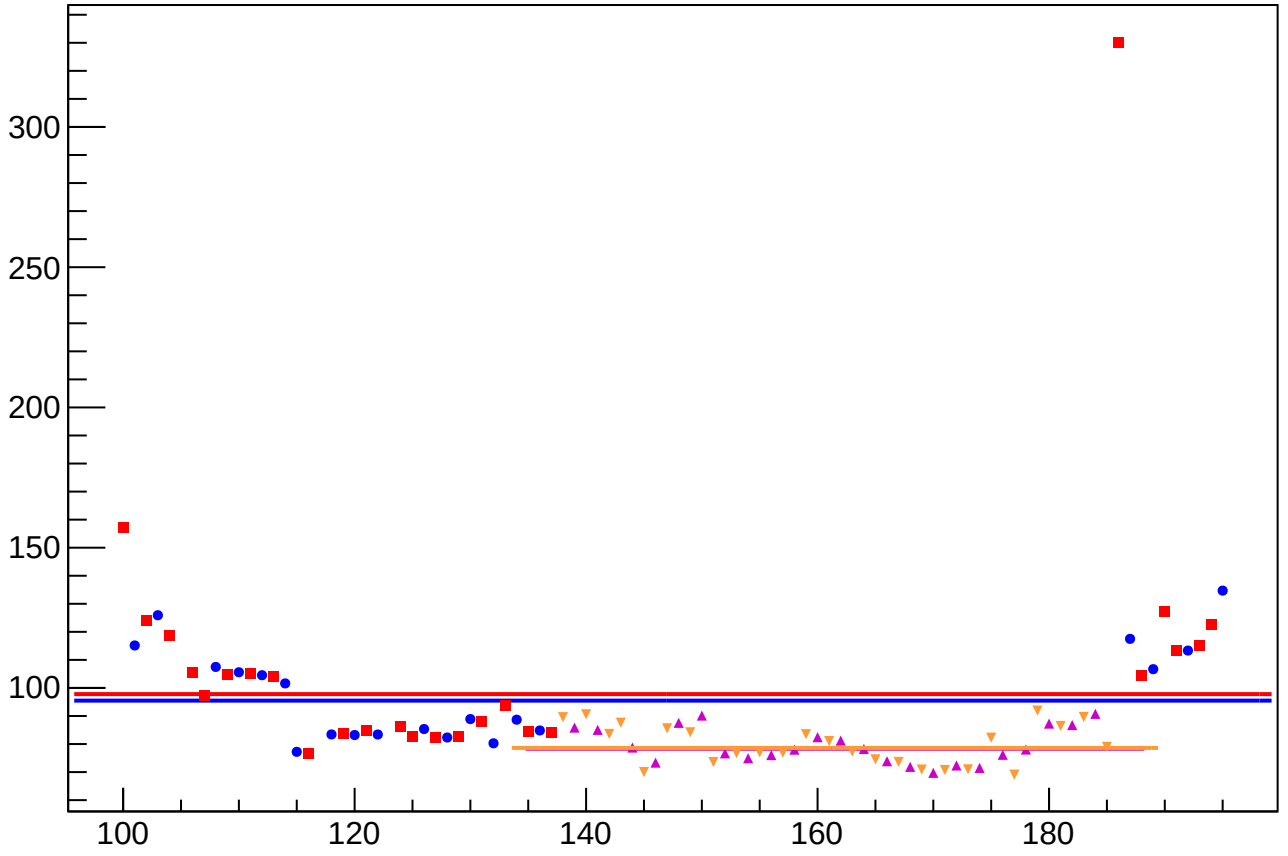
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 24.754+/-15.542 χ^2/NDF: 73.9/44

All: -5.113+/-11.041 χ^2/NDF: 138.0/92

- sign -35.540+/-15.687 χ^2/NDF: 56.6/47

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: 97.802+/-0.021 χ^2/NDF: 905927.5/24

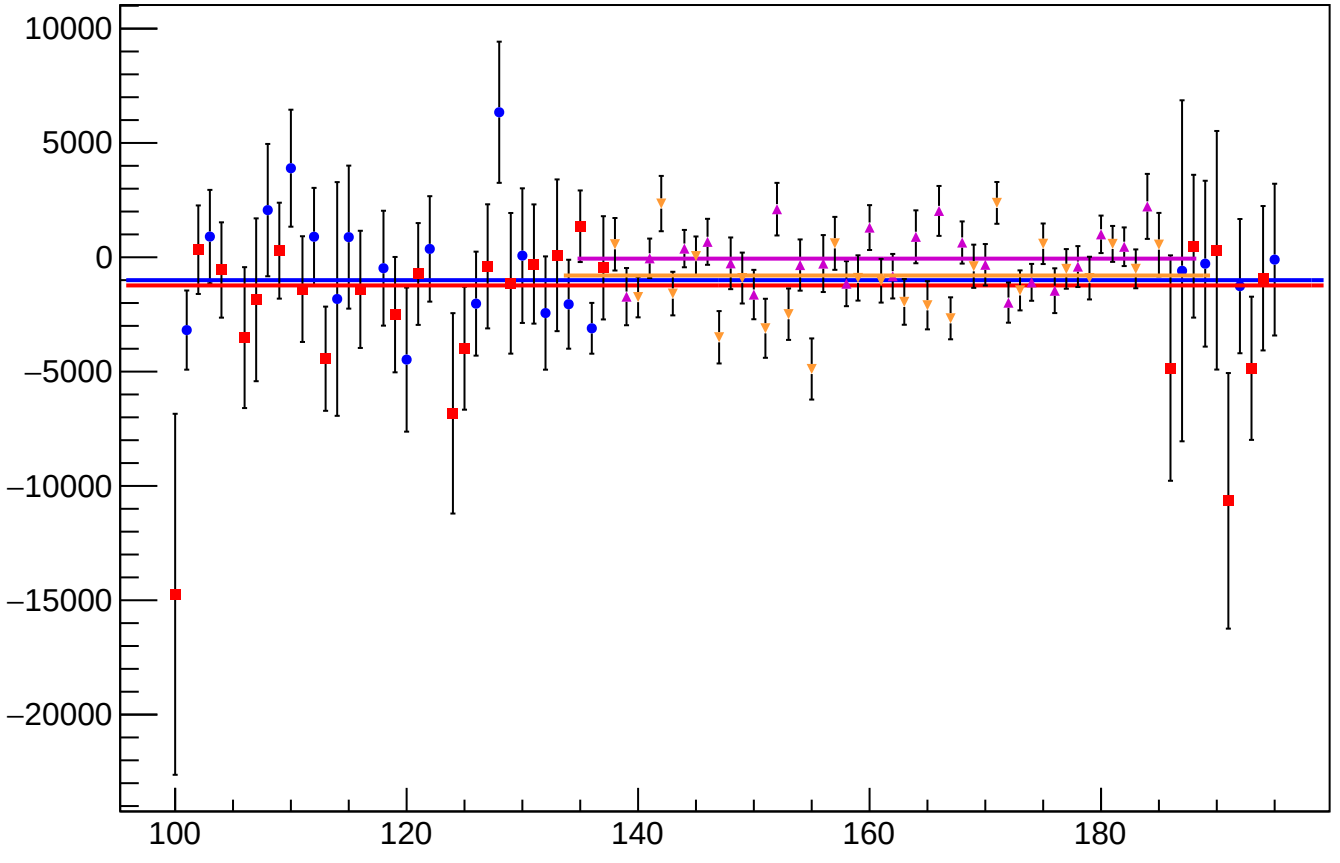
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277261.7/44

All: 83.233+/-0.008 χ^2/NDF: 3004362.9/92

- sign 83.624+/-0.011 χ^2/NDF: 1724631.4/47

asym_sam_24_68_dd_reg_correction_mean vs Slug



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: -1231.431+/-534.206 χ^2/NDF: 18.1/24

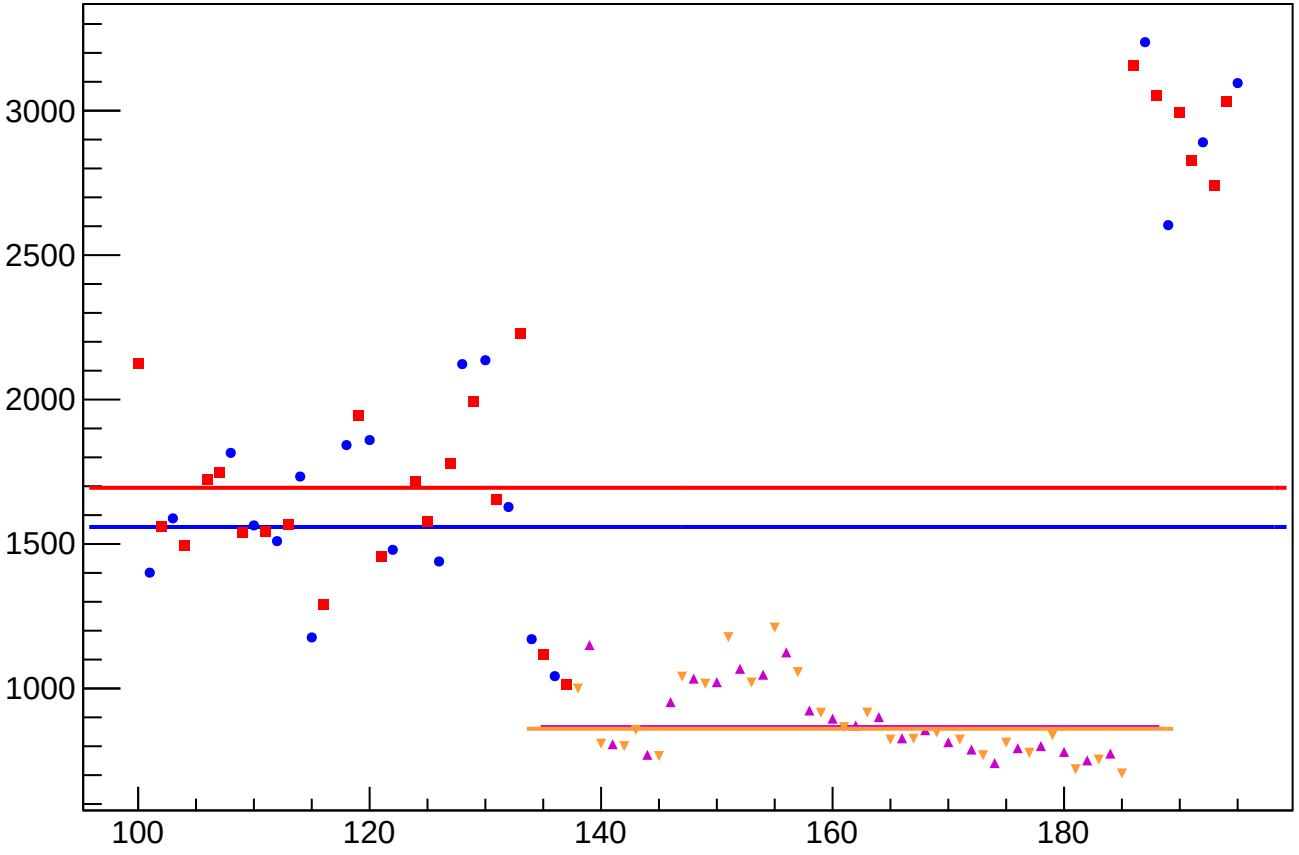
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.194+/-185.243 χ^2/NDF: 80.0/44

All: -524.968+/-132.953 χ^2/NDF: 138.0/92

- sign -209.203+/-190.933 χ^2/NDF: 52.8/47

asym_sam_24_68_dd_reg_correction_rms vs Slug



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: 1694.687+/-0.378 χ^2/NDF: 2025687.5/24

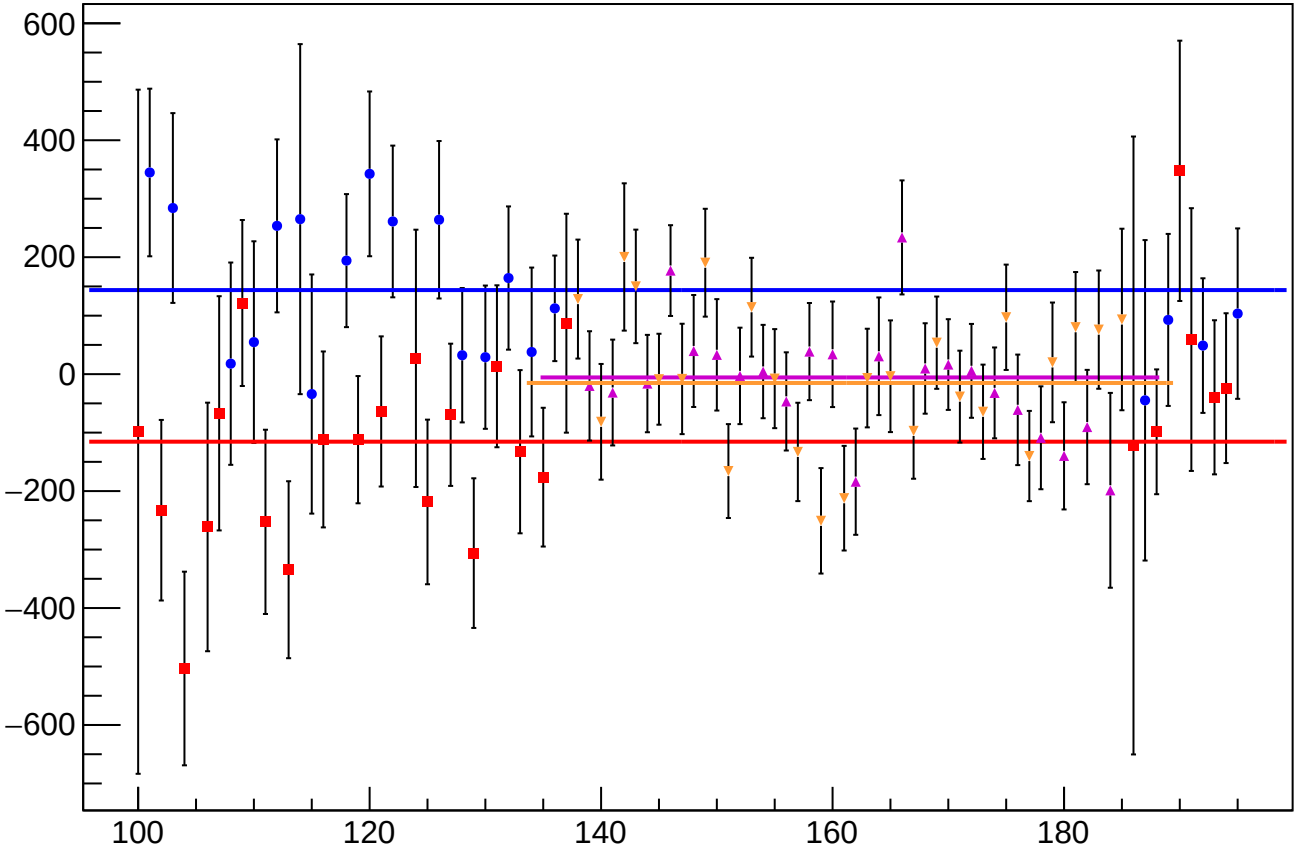
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662627.8/44

All: 959.138+/-0.094 χ^2/NDF: 12514045.4/92

- sign 972.167+/-0.135 χ^2/NDF: 6833336.4/47

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: -115.509+/-30.095 χ^2/NDF: 23.8/24

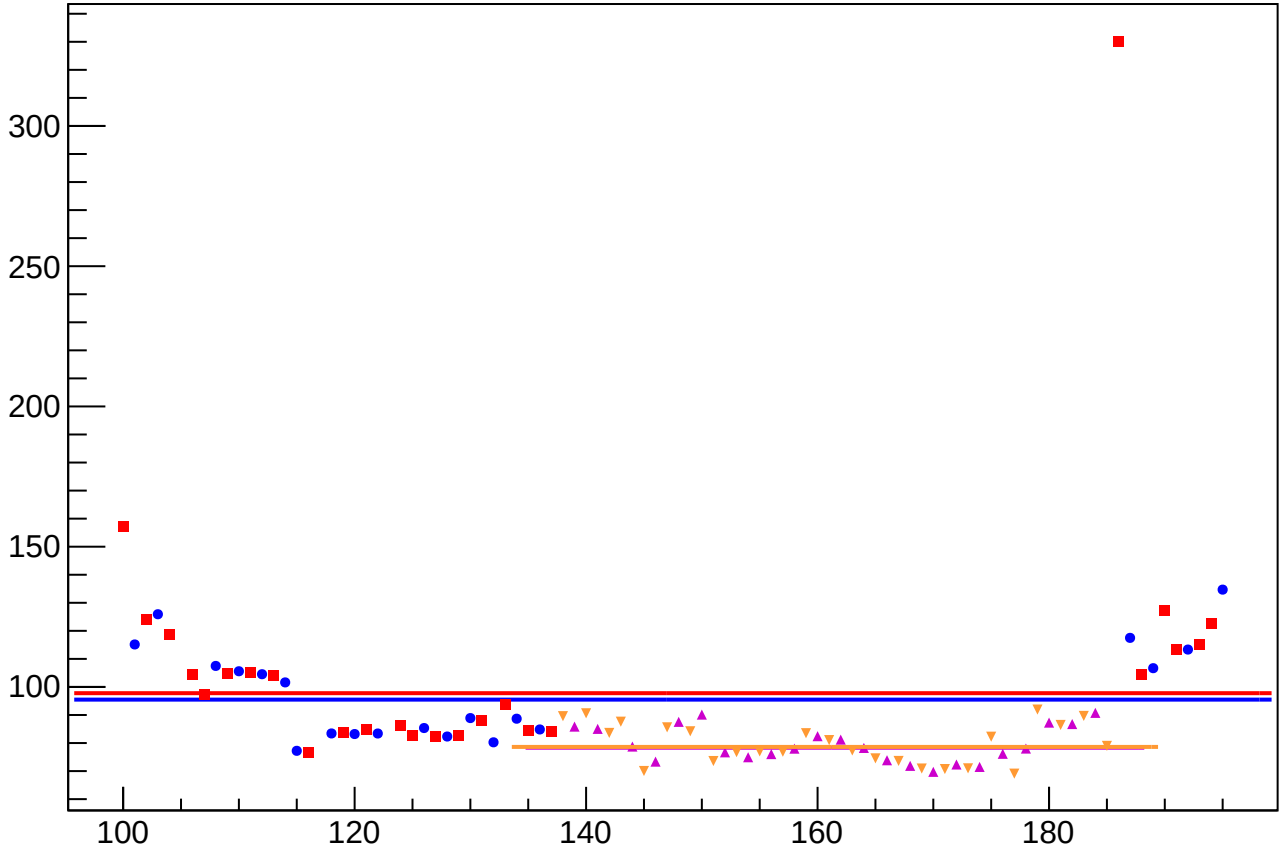
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 24.755+/-15.542 χ^2/NDF: 73.9/44

All: -5.083+/-11.041 χ^2/NDF: 137.9/92

- sign -35.481+/-15.687 χ^2/NDF: 56.5/47

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: 97.777+/-0.021 χ^2/NDF: 905296.4/24

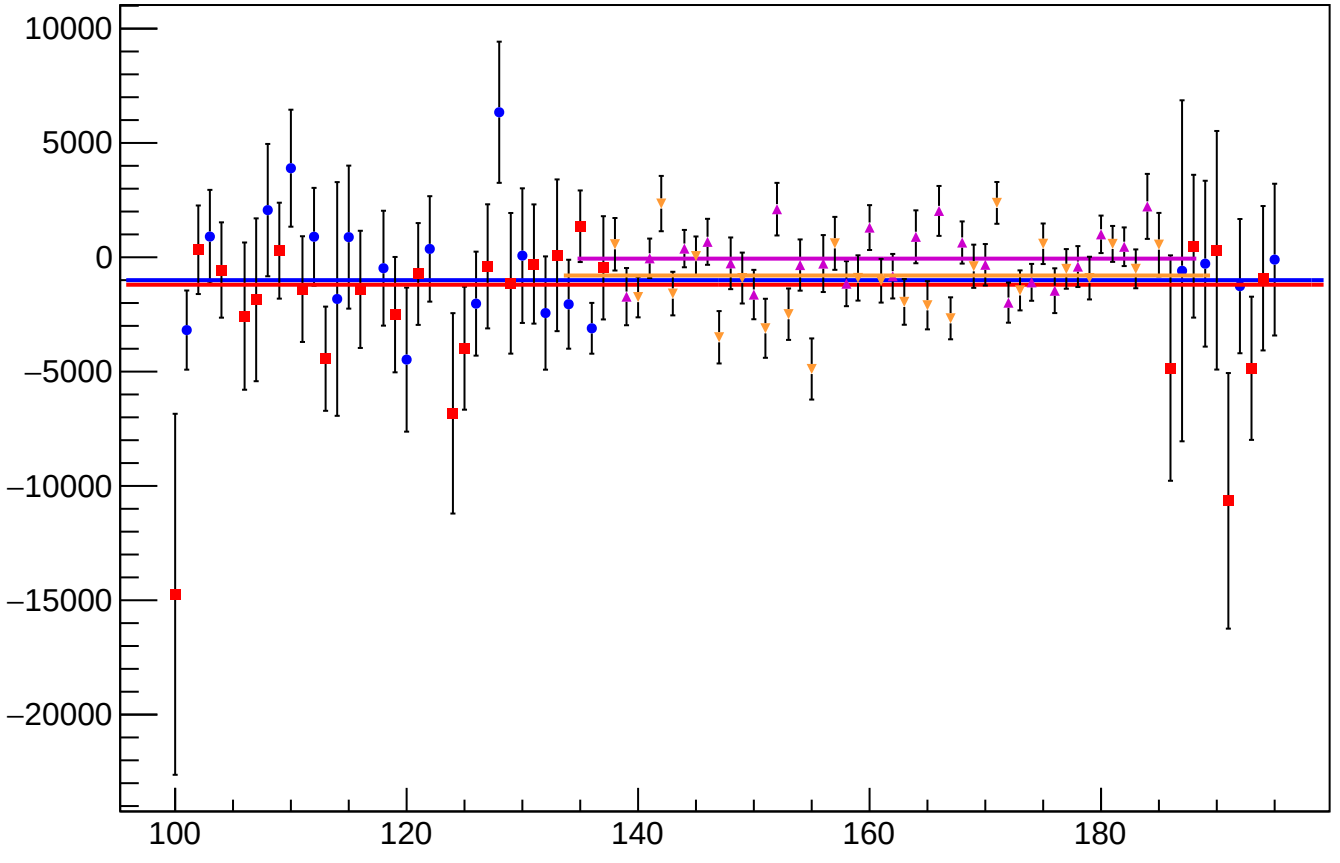
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277263.7/44

All: 83.229+/-0.008 χ^2/NDF: 3002078.2/92

- sign 83.617+/-0.011 χ^2/NDF: 1722390.3/47

asym_sam_24_68_dd_cor_correction_mean vs Slug



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: -1200.055+/-534.899 χ^2/NDF: 17.7/24

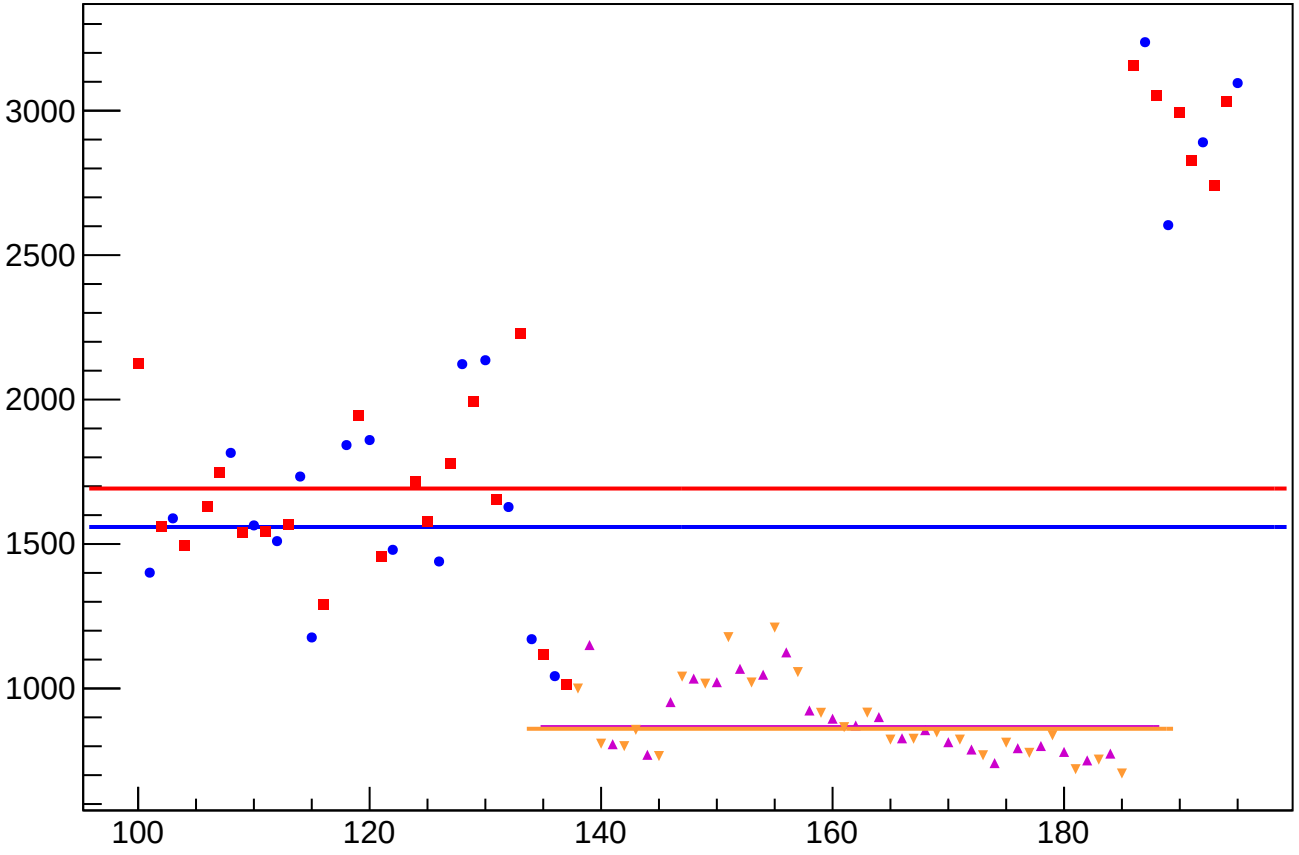
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.191+/-185.243 χ^2/NDF: 80.0/44

All: -522.914+/-132.963 χ^2/NDF: 137.5/92

- sign -204.866+/-190.965 χ^2/NDF: 52.2/47

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: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

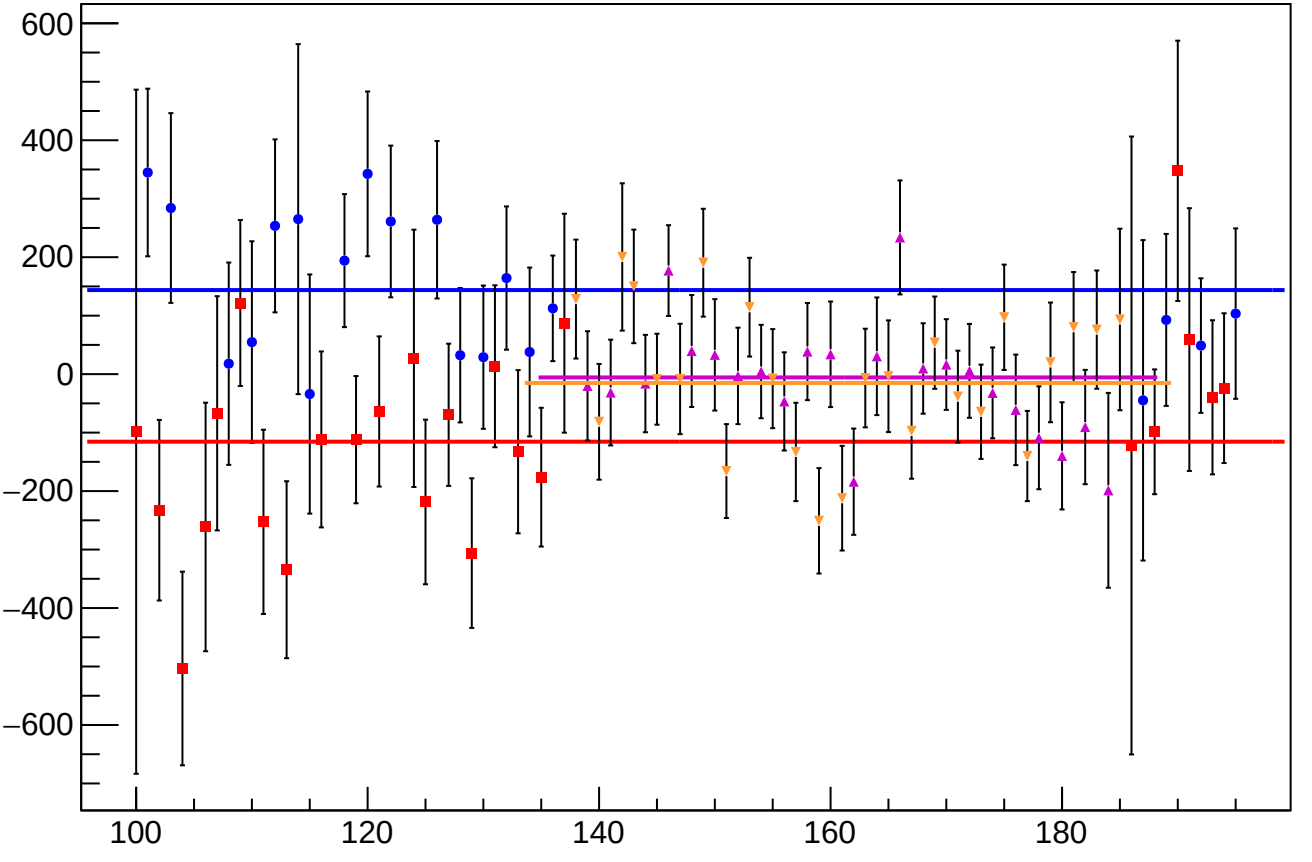
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662648.4/44

All: 958.859+/-0.094 χ^2/NDF: 12477995.9/92

- sign 971.596+/-0.135 χ^2/NDF: 6798076.9/47

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: -115.509+/-30.095 χ^2/NDF: 23.8/24

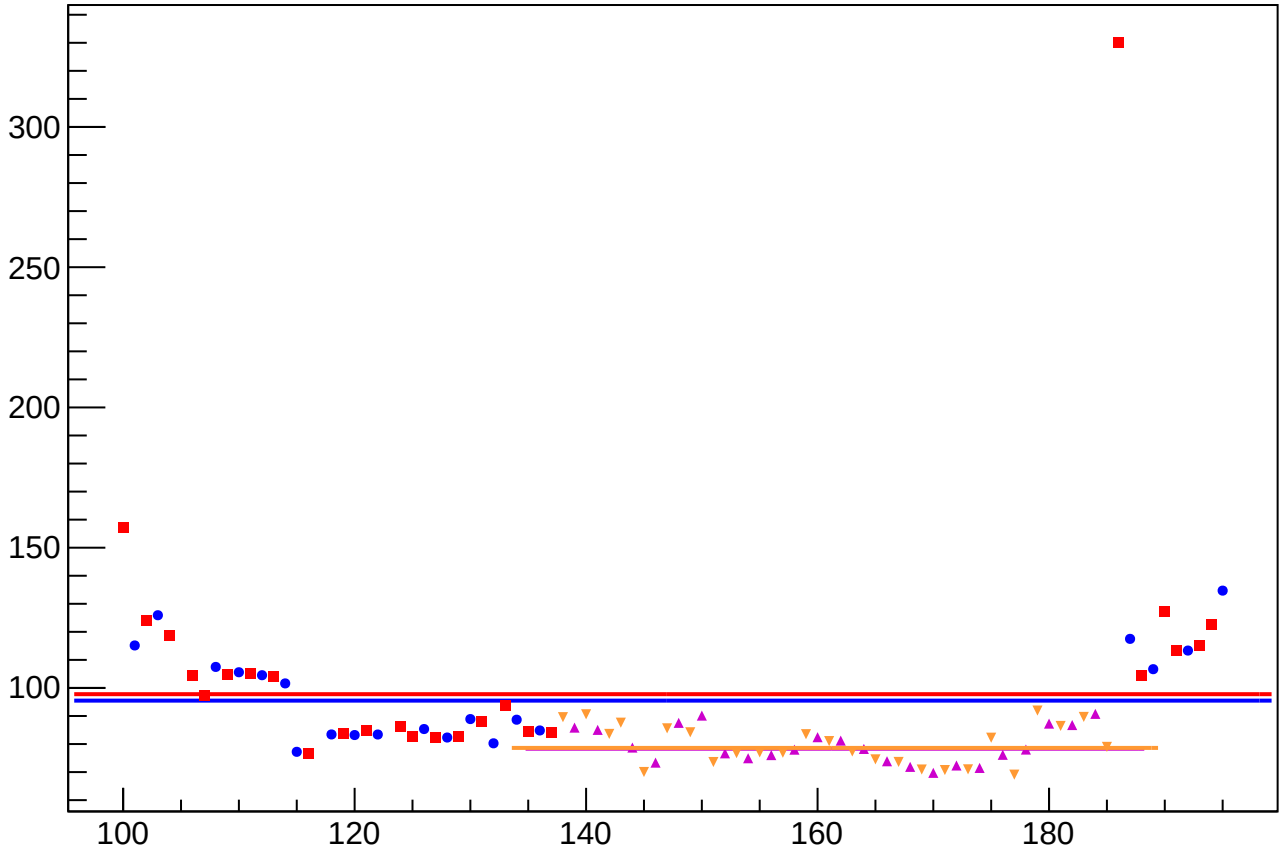
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 24.755+/-15.542 χ^2/NDF: 73.9/44

All: -5.083+/-11.041 χ^2/NDF: 137.9/92

- sign -35.481+/-15.687 χ^2/NDF: 56.5/47

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

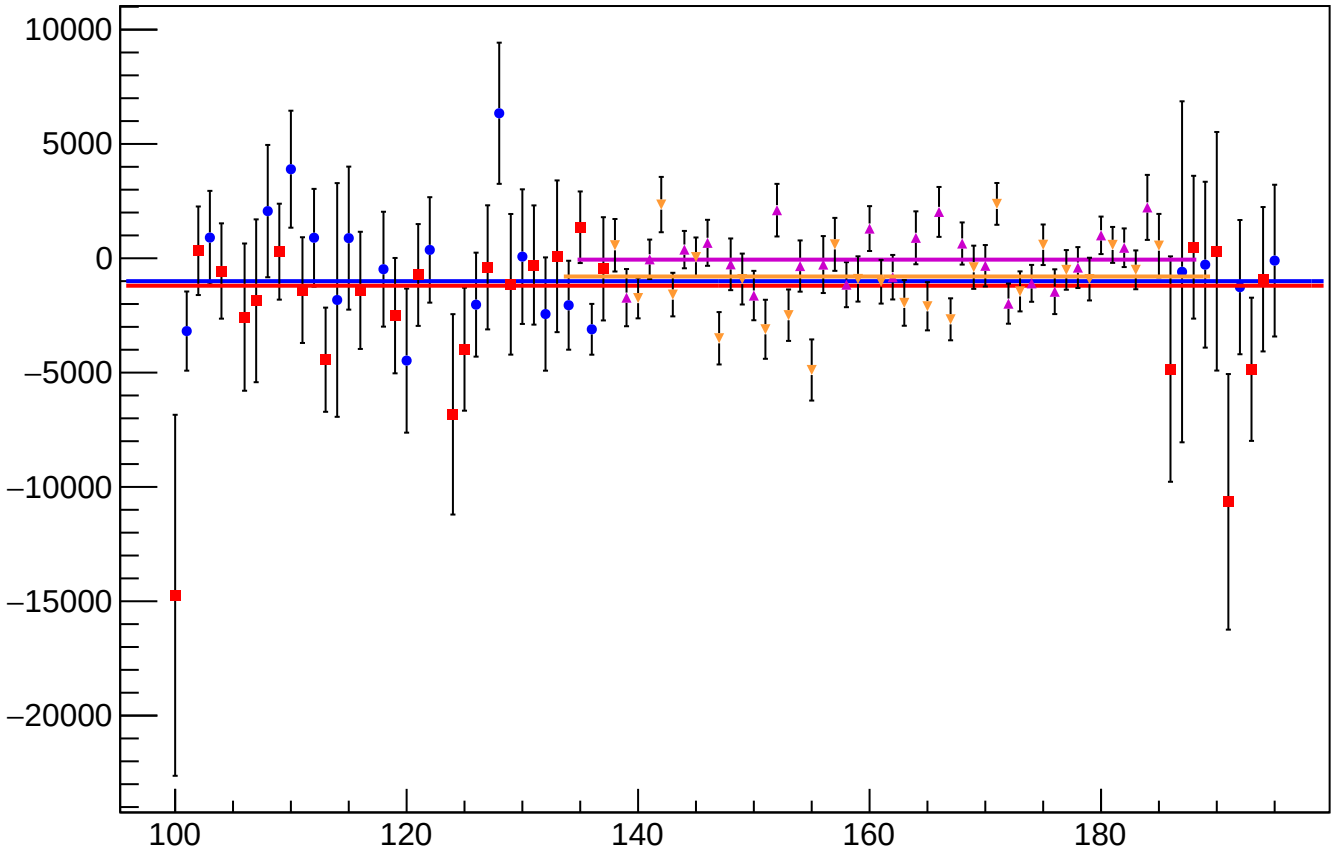
Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.848+/-0.011 χ^2/NDF: 1277263.7/44

All: 83.229+/-0.008 χ^2/NDF: 3002078.2/92

- sign 83.617+/-0.011 χ^2/NDF: 1722390.3/47



Right In: -1000.684+/-526.744 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

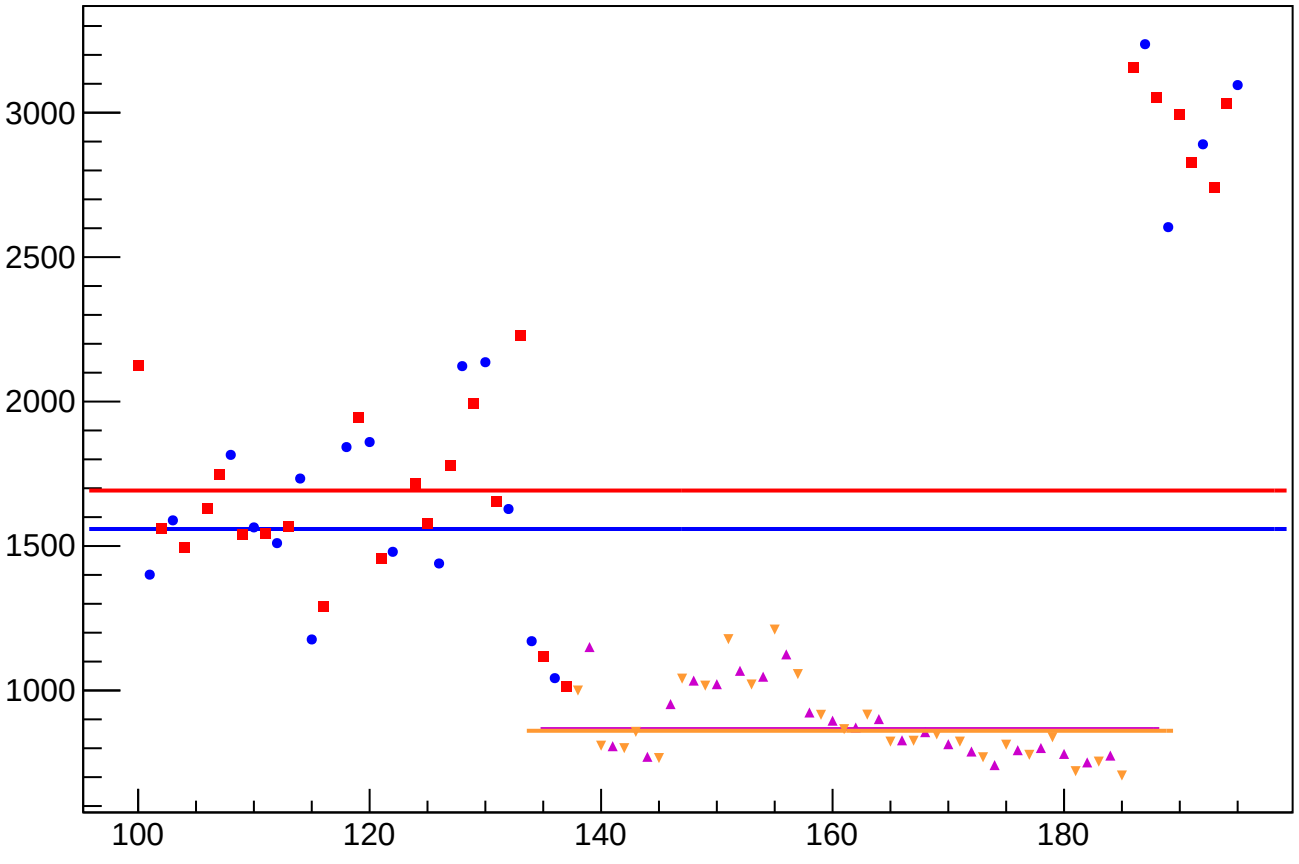
Right Out: -1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.191+/-185.243 χ^2/NDF: 80.0/44

All: -522.914+/-132.963 χ^2/NDF: 137.5/92

- sign -204.866+/-190.965 χ^2/NDF: 52.2/47



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: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

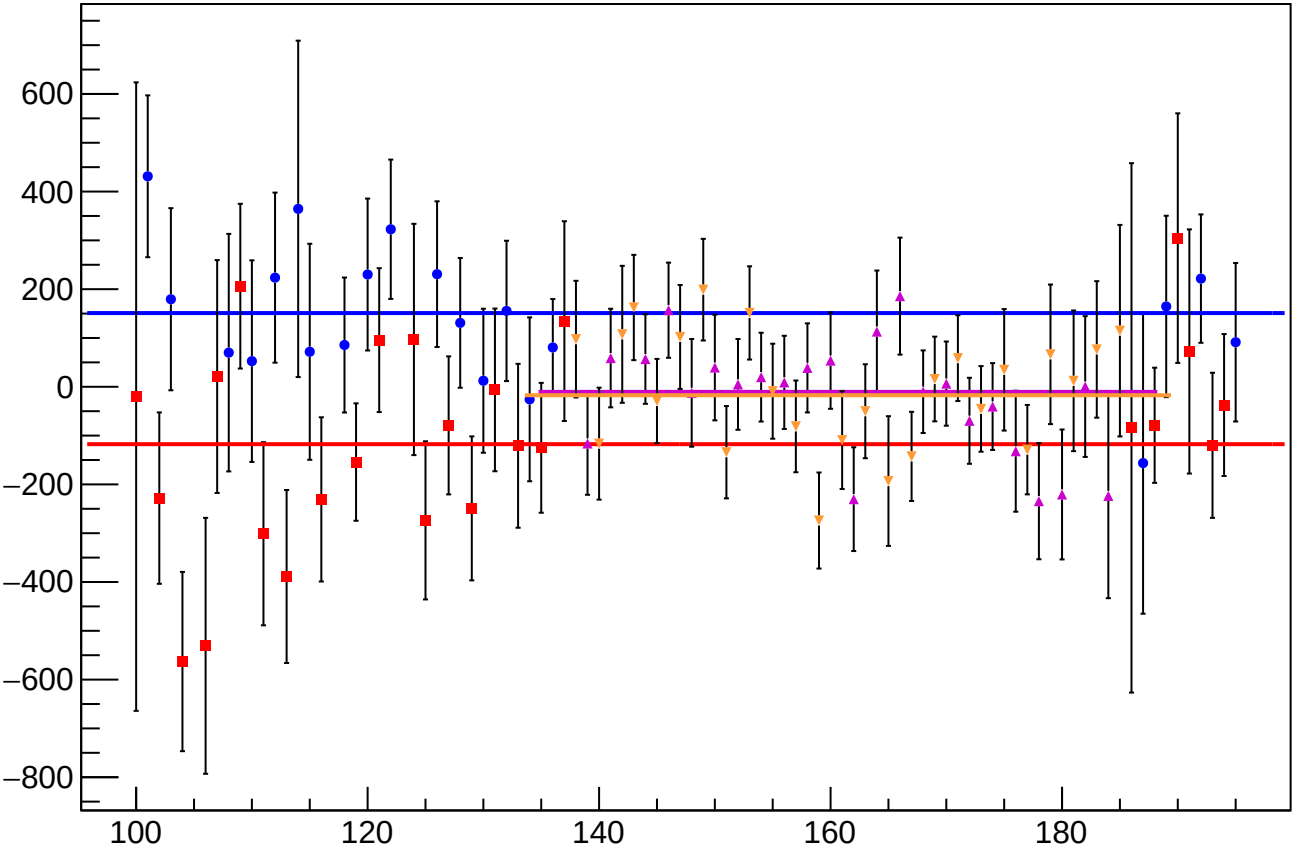
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 946.873+/-0.131 χ^2/NDF: 5662648.4/44

All: 958.859+/-0.094 χ^2/NDF: 12477995.9/92

- sign 971.596+/-0.135 χ^2/NDF: 6798076.9/47

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: -117.611+/-34.397 χ^2/NDF: 27.0/24

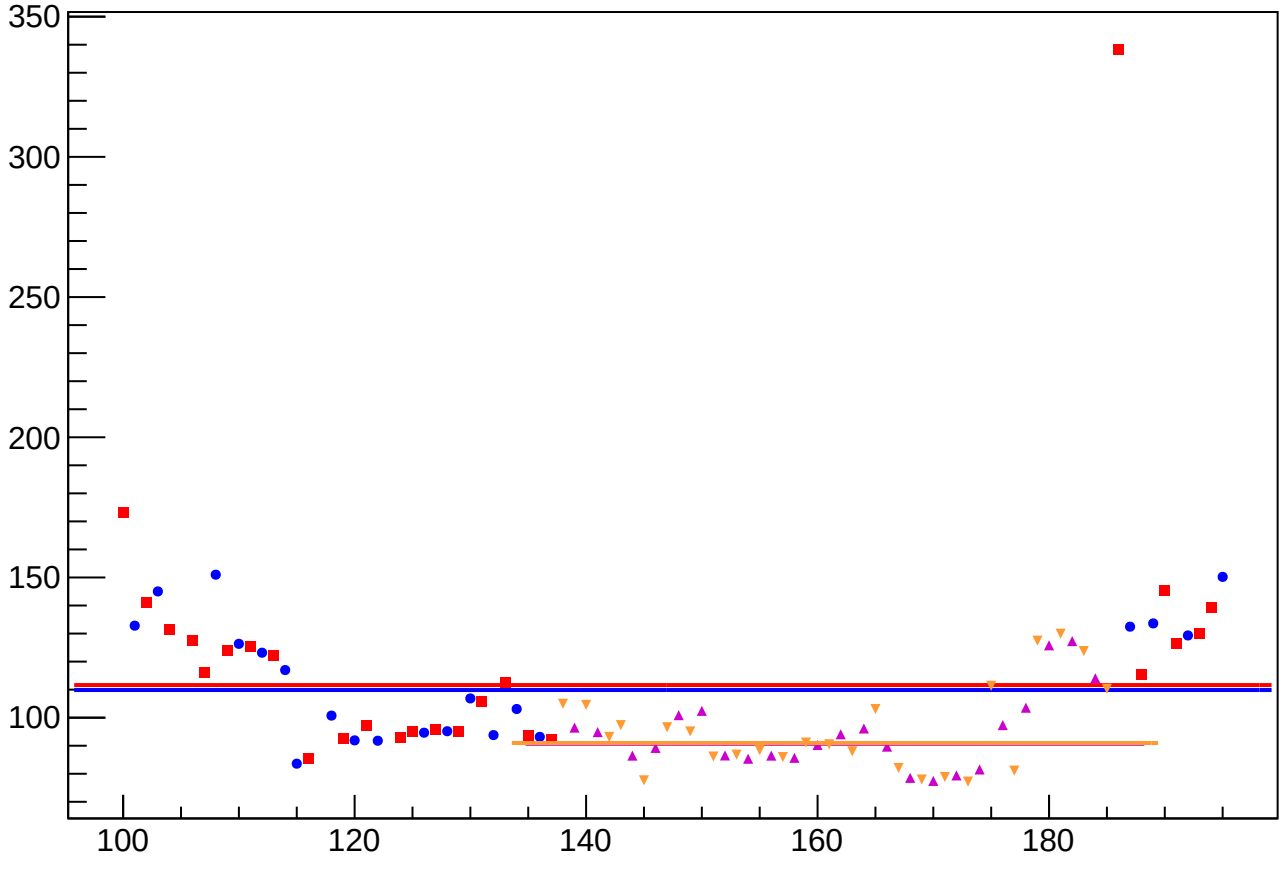
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.616+/-18.112 χ^2/NDF: 57.7/44

All: -7.238+/-12.850 χ^2/NDF: 121.0/92

- sign -40.534+/-18.234 χ^2/NDF: 56.7/47

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: 111.636+/-0.024 χ^2/NDF: 887387.4/24

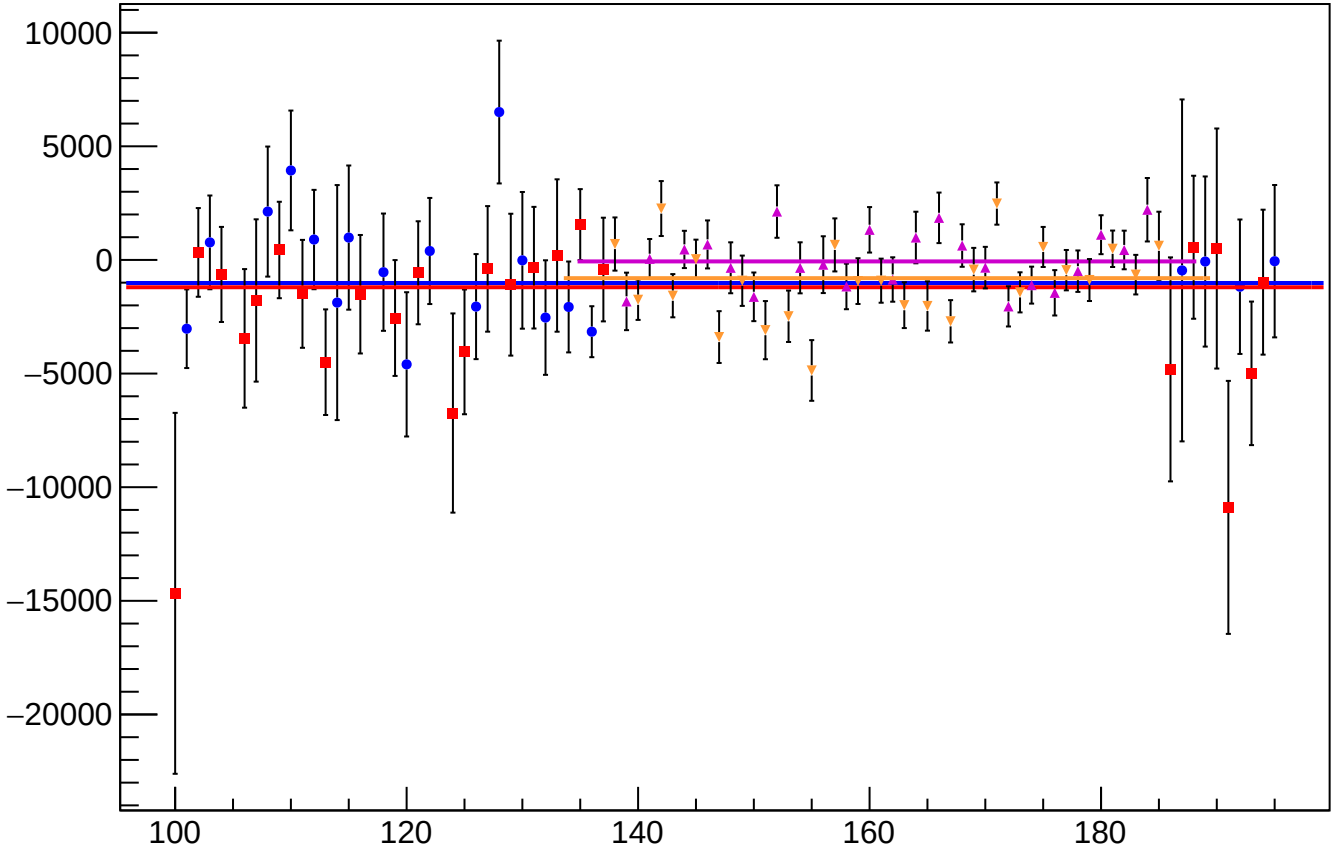
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 95.787+/-0.013 χ^2/NDF: 1827018.3/44

All: 96.179+/-0.009 χ^2/NDF: 3795478.0/92

- sign 96.576+/-0.013 χ^2/NDF: 1966578.4/47

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: -1201.870+/-539.757 χ^2/NDF: 18.8/24

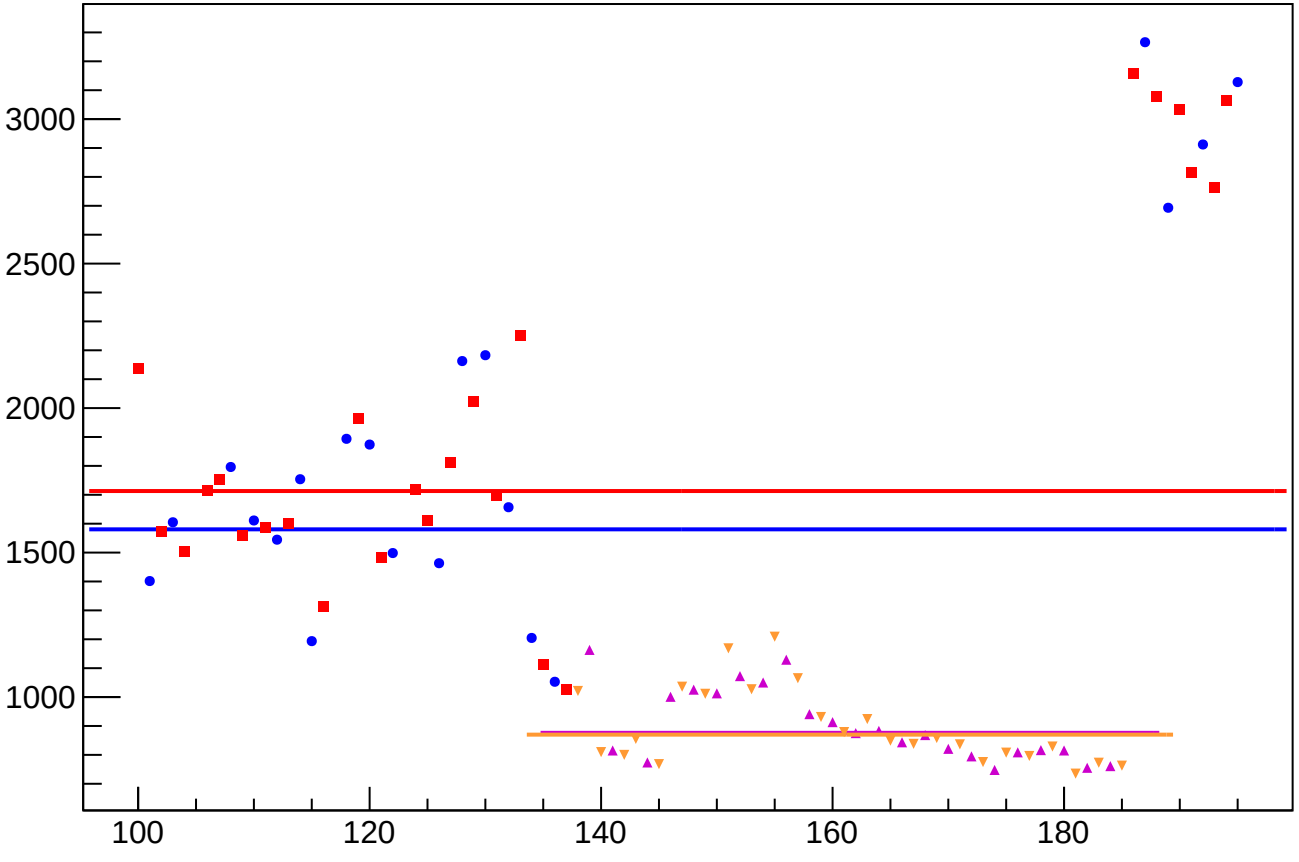
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -828.599+/-187.168 χ^2/NDF: 78.7/44

All: -529.078+/-134.366 χ^2/NDF: 137.3/92

- sign -210.562+/-193.011 χ^2/NDF: 53.4/47

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: 1712.985+/-0.382 χ^2/NDF: 2028872.9/24

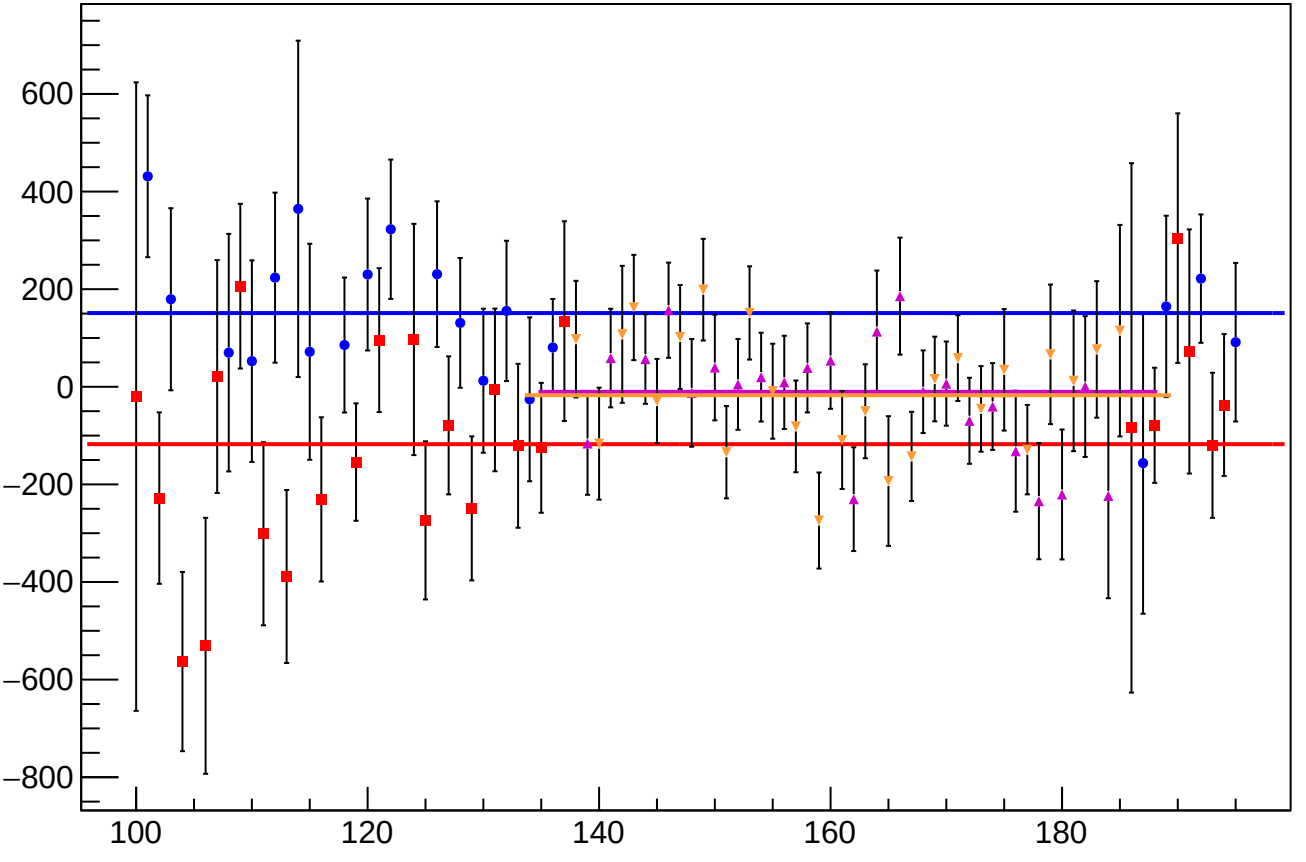
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 957.316+/-0.132 χ^2/NDF: 5646002.9/44

All: 969.891+/-0.095 χ^2/NDF: 12482178.7/92

- sign 983.264+/-0.136 χ^2/NDF: 6817547.6/47

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: -117.611+/-34.397 χ^2/NDF: 27.0/24

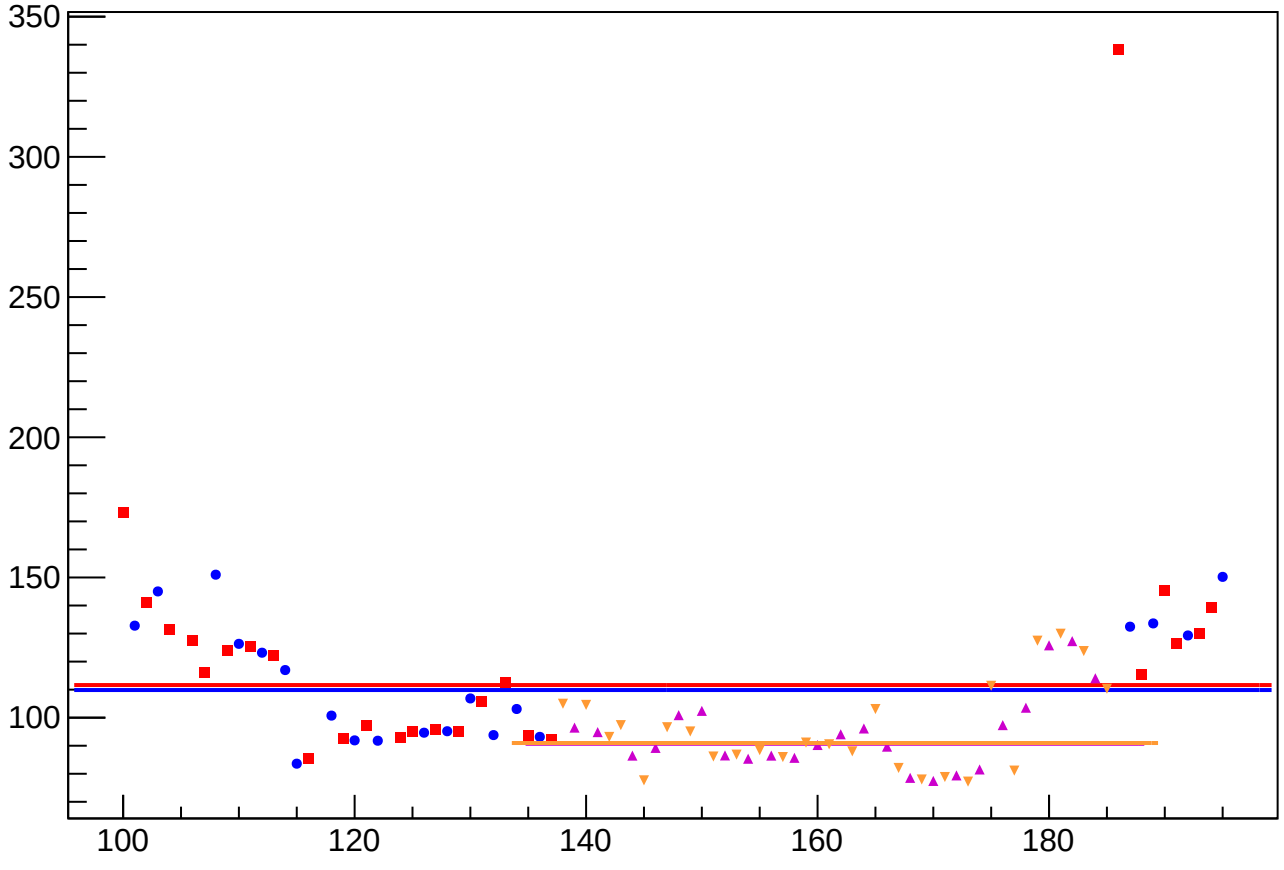
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.617+/-18.112 χ^2/NDF: 57.7/44

All: -7.238+/-12.850 χ^2/NDF: 121.0/92

- sign -40.534+/-18.233 χ^2/NDF: 56.7/47

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

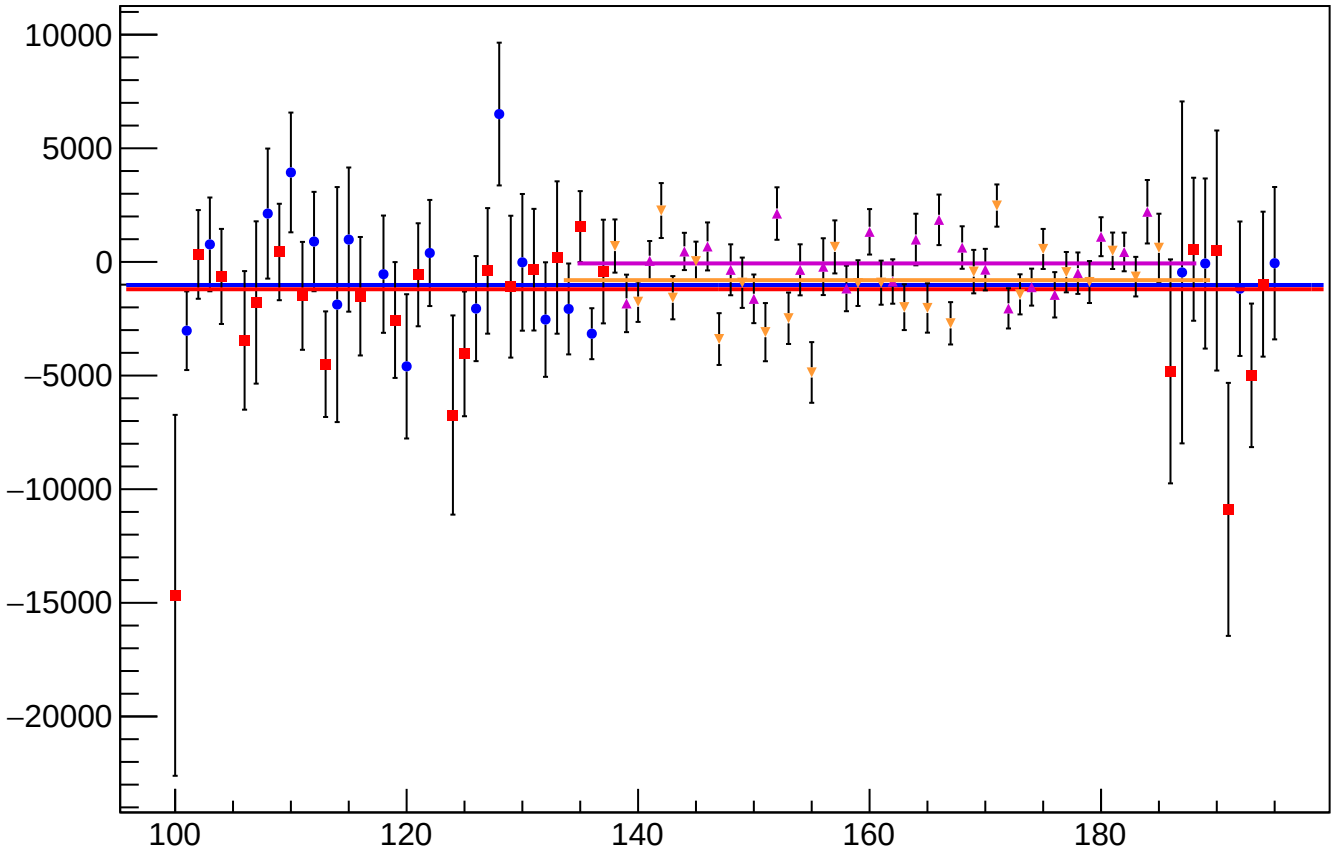
Right Out: 111.635+/-0.024 χ^2/NDF: 887395.6/24

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 95.787+/-0.013 χ^2/NDF: 1826996.9/44

All: 96.179+/-0.009 χ^2/NDF: 3795427.6/92

- sign 96.575+/-0.013 χ^2/NDF: 1966549.6/47



Right In: -1014.640+/-533.904 χ^2/NDF: 20.2/19

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

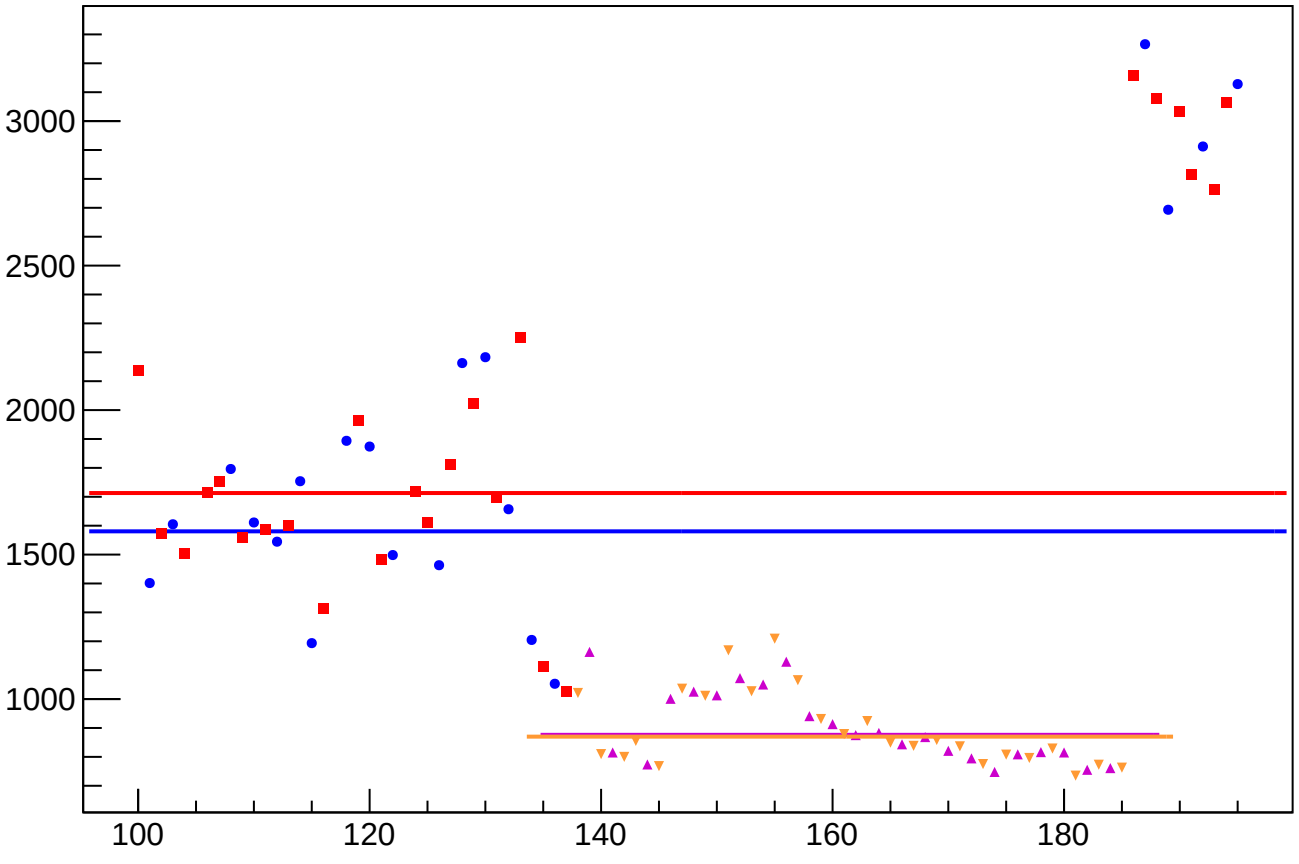
Right Out: -1201.869+/-539.756 χ^2/NDF: 18.8/24

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -828.599+/-187.168 χ^2/NDF: 78.7/44

All: -529.077+/-134.366 χ^2/NDF: 137.3/92

- sign -210.562+/-193.011 χ^2/NDF: 53.4/47



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: 1712.982+/-0.382 χ^2/NDF: 2028877.1/24

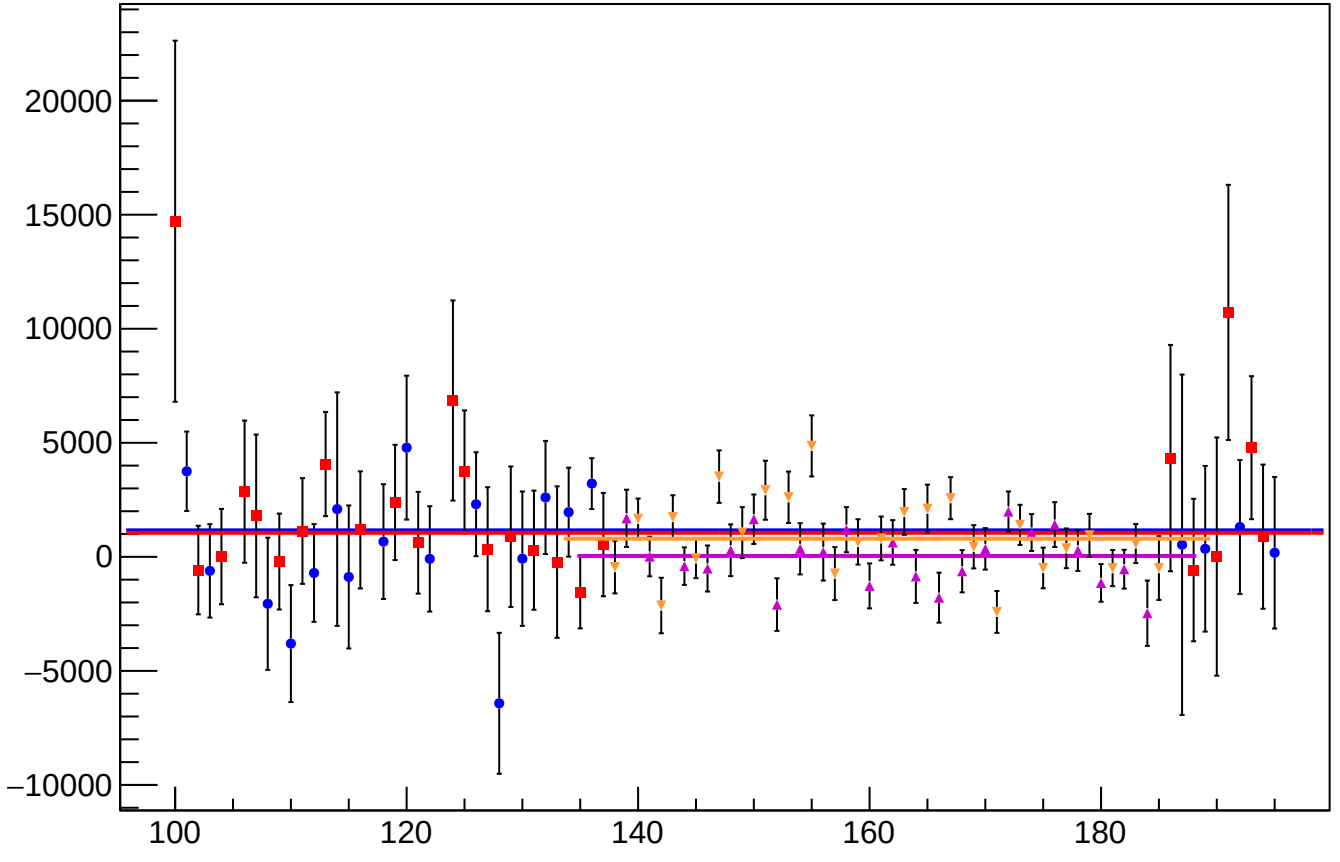
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 957.315+/-0.132 χ^2/NDF: 5645997.0/44

All: 969.890+/-0.095 χ^2/NDF: 12482167.1/92

- sign 983.263+/-0.136 χ^2/NDF: 6817542.2/47

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: 1054.277+/-535.498 χ^2/NDF: 17.8/24

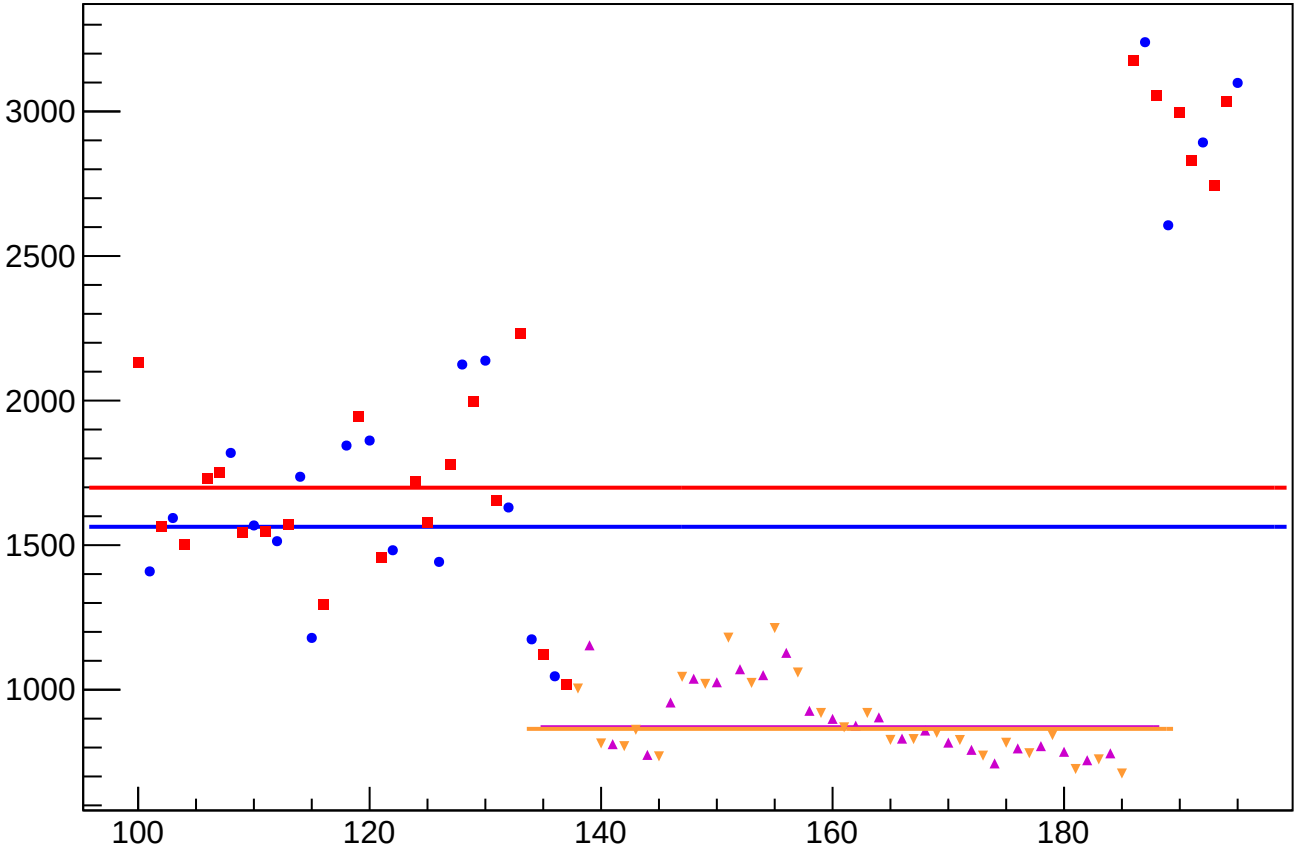
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 841.519+/-186.056 χ^2/NDF: 78.9/44

All: 515.759+/-133.524 χ^2/NDF: 135.8/92

- sign 169.809+/-191.735 χ^2/NDF: 50.6/47

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

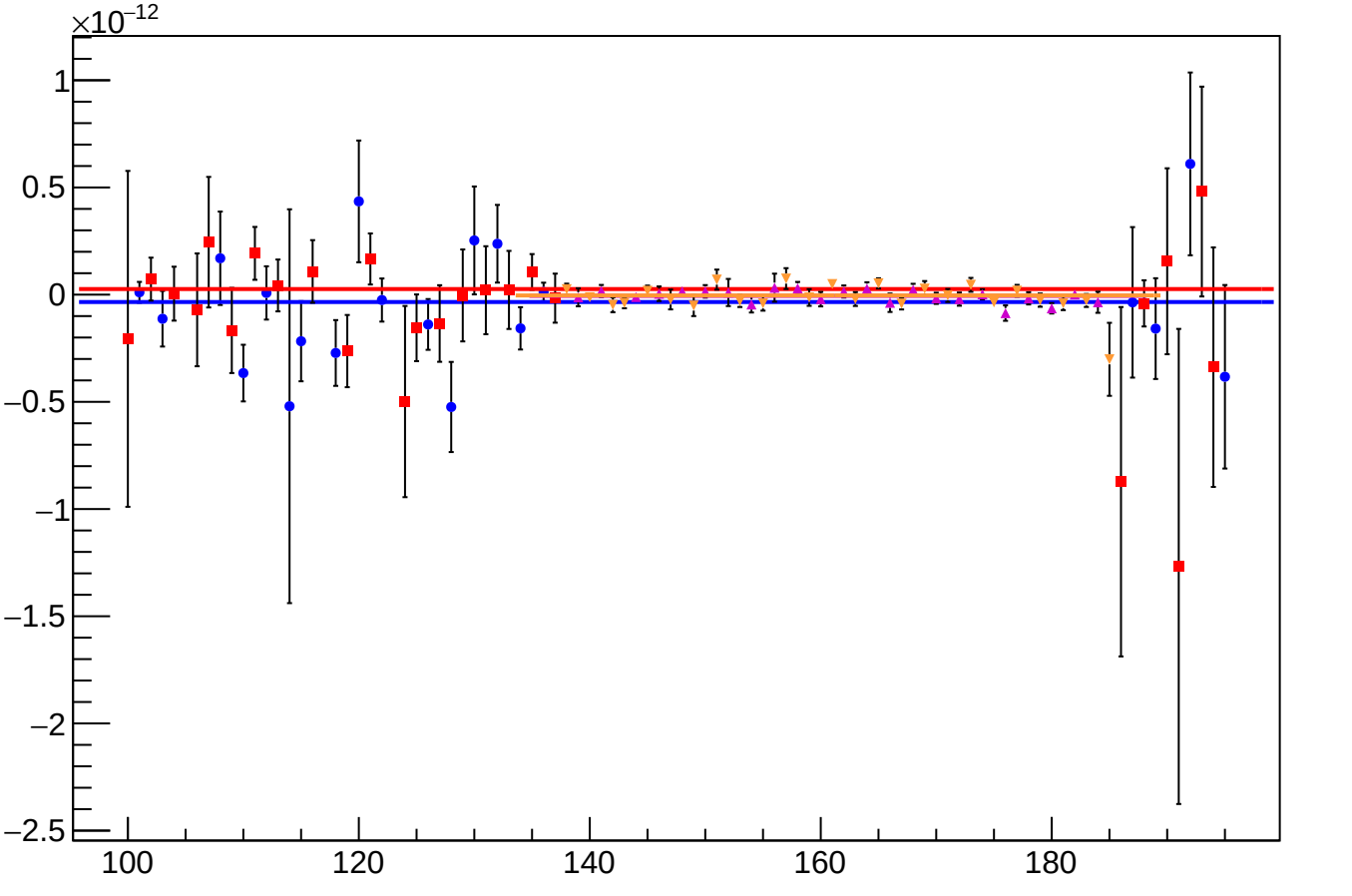
Right Out: 1698.768+/-0.379 χ^2/NDF: 2019347.0/24

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 951.377+/-0.132 χ^2/NDF: 5628315.1/44

All: 963.585+/-0.094 χ^2/NDF: 12442798.9/92

- sign 976.550+/-0.136 χ^2/NDF: 6796728.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

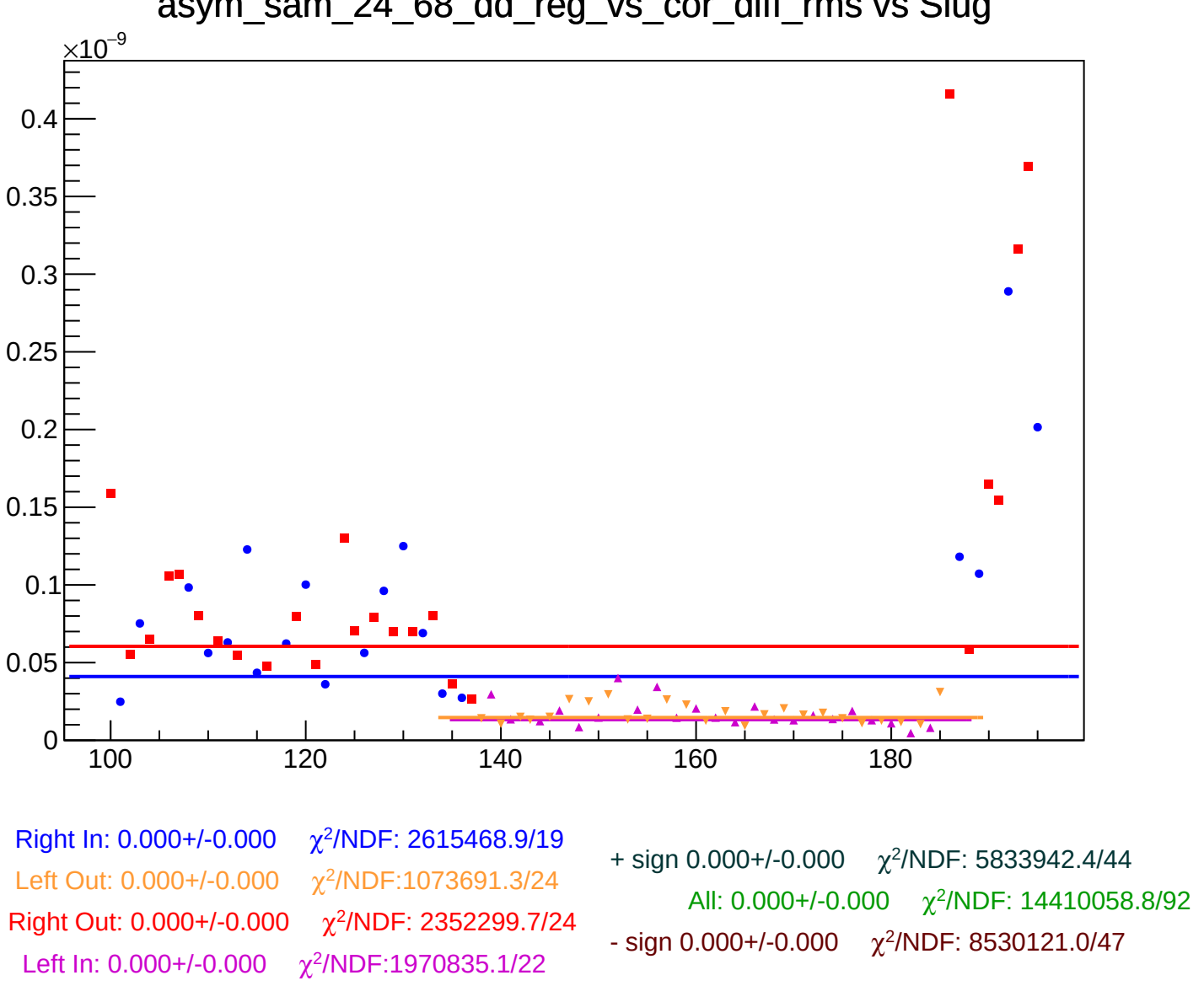
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/24

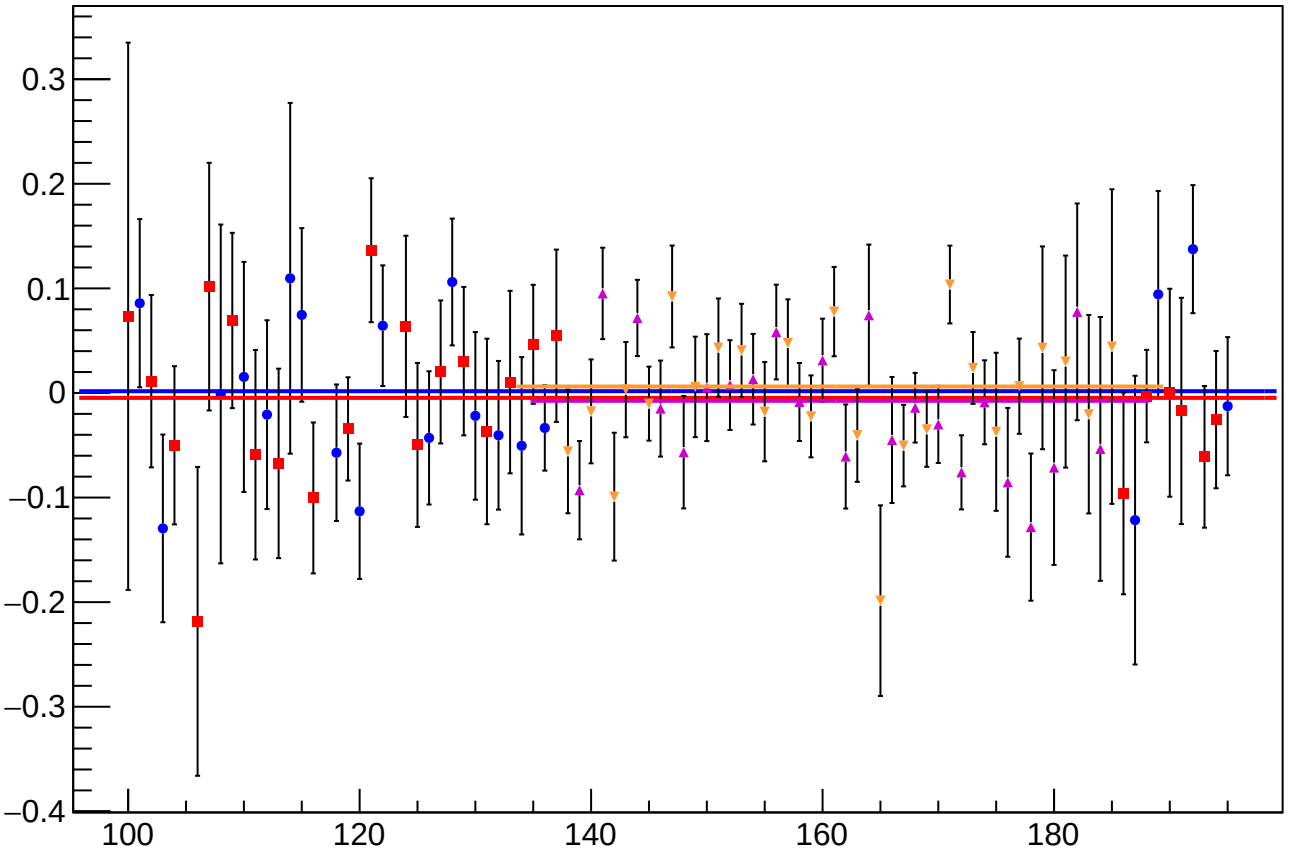
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/44

All: -0.000+/-0.000 χ^2/NDF: 109.8/92

- sign -0.000+/-0.000 χ^2/NDF: 39.0/47


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2615468.9/19
Left Out: 0.000+/-0.000 χ²/NDF:1073691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2352299.7/24
Left In: 0.000+/-0.000 χ²/NDF:1970835.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5833942.4/44
All: 0.000+/-0.000 χ²/NDF: 14410058.8/92
- sign 0.000+/-0.000 χ²/NDF: 8530121.0/47



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: -0.005+/-0.015 χ^2/NDF: 15.8/24

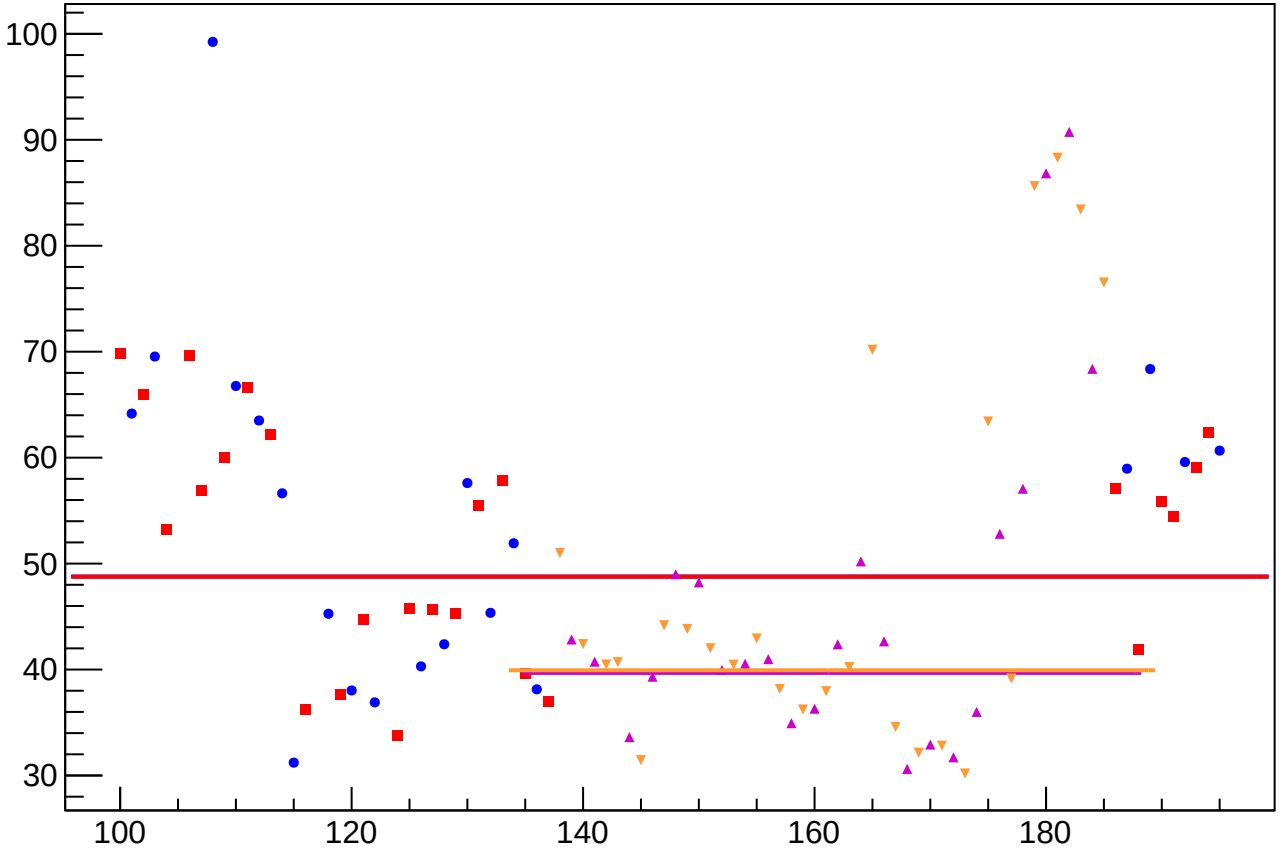
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/44

All: -0.001+/-0.006 χ^2/NDF: 99.4/92

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47

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

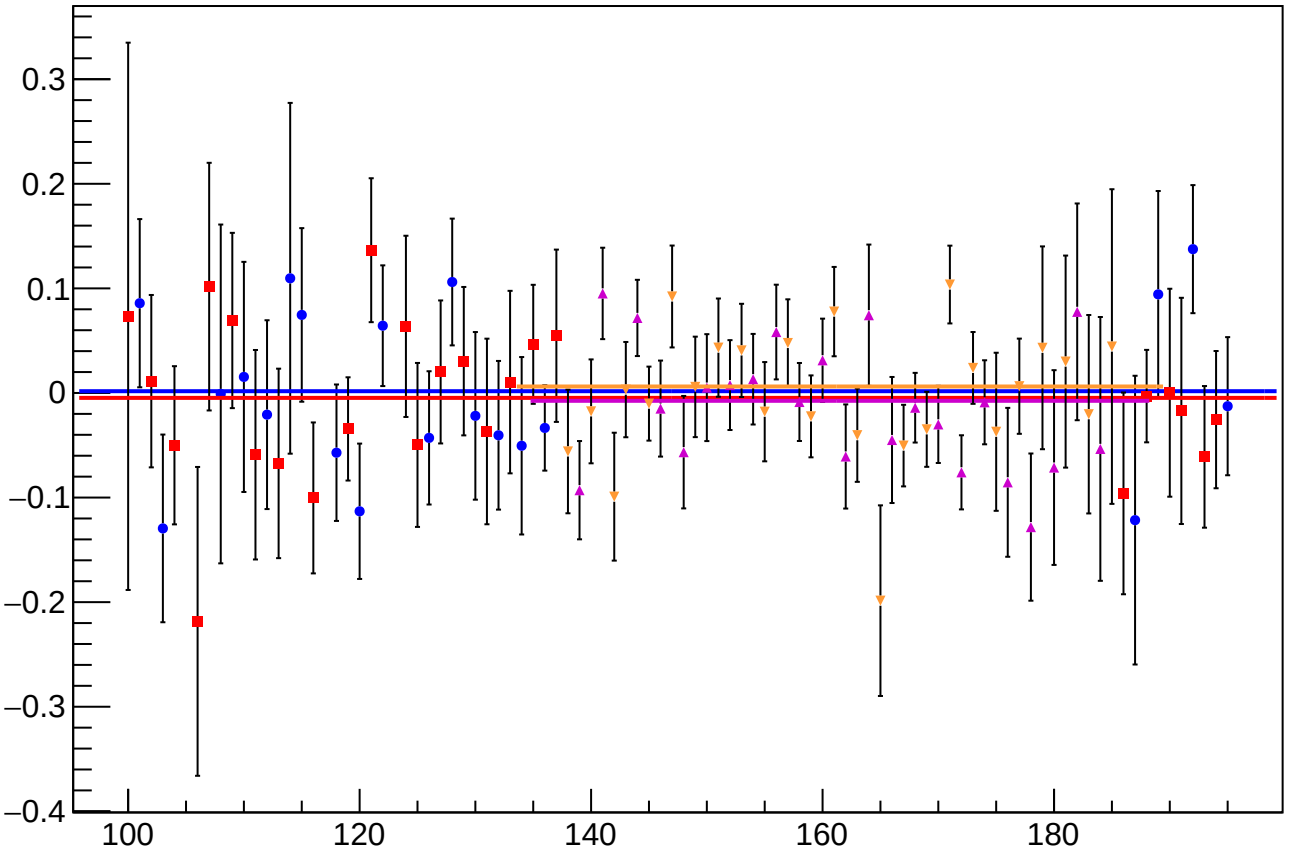
Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.189+/-0.006 χ^2/NDF: 4074568.4/44

All: 42.261+/-0.004 χ^2/NDF: 7369303.6/92

- sign 42.333+/-0.006 χ^2/NDF: 3294427.6/47



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

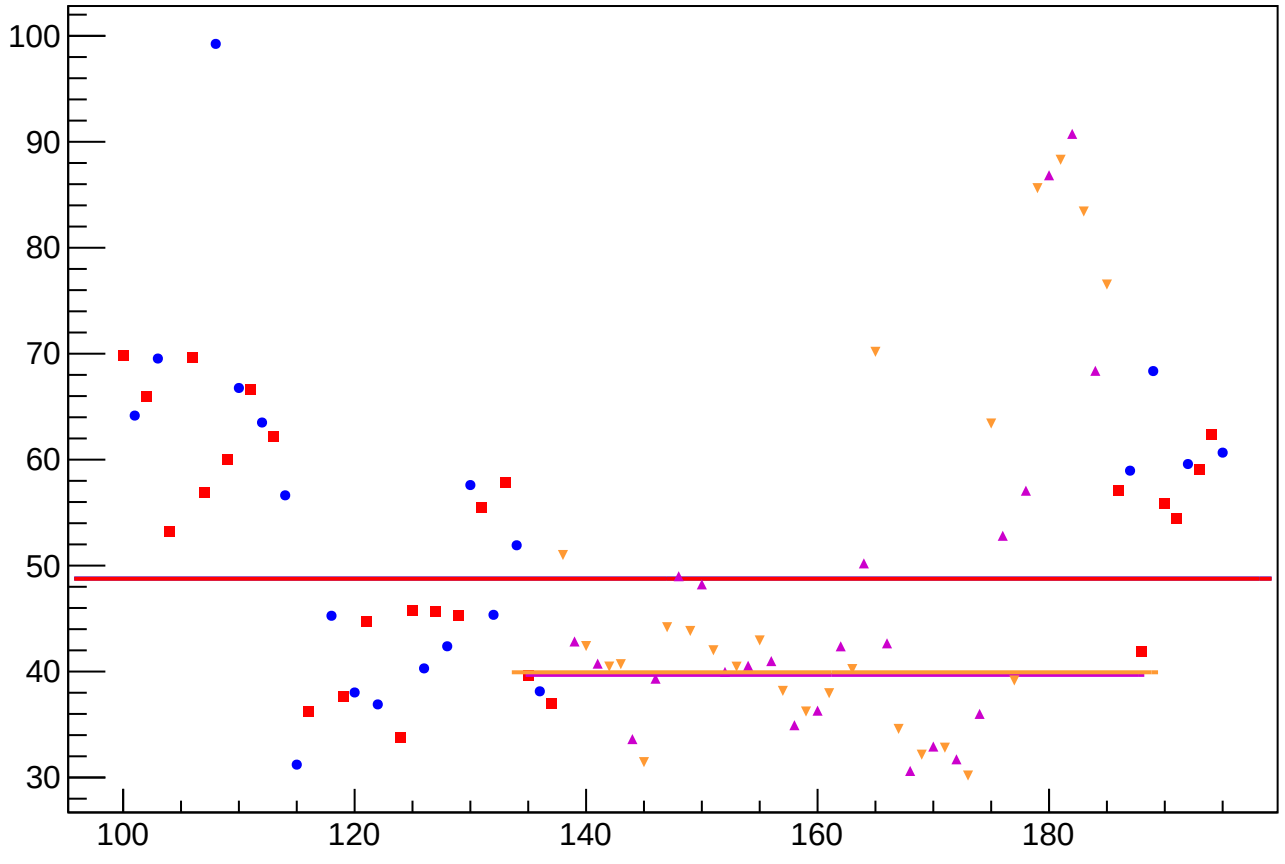
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

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: 99.4/92

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.780+/-0.012 χ^2/NDF: 1162812.0/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

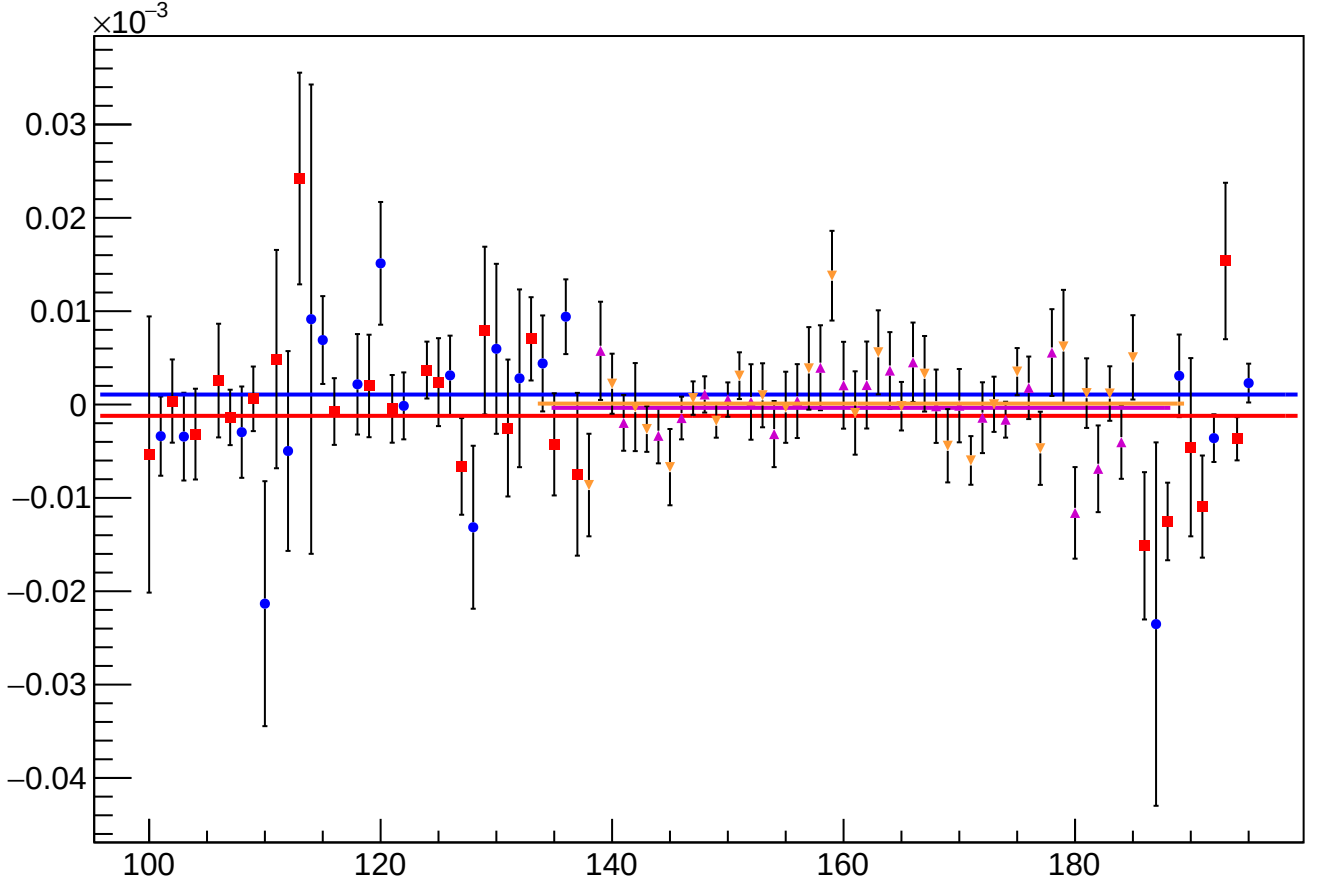
Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.189+/-0.006 χ^2/NDF: 4074568.4/44

All: 42.261+/-0.004 χ^2/NDF: 7369303.6/92

- sign 42.333+/-0.006 χ^2/NDF: 3294427.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

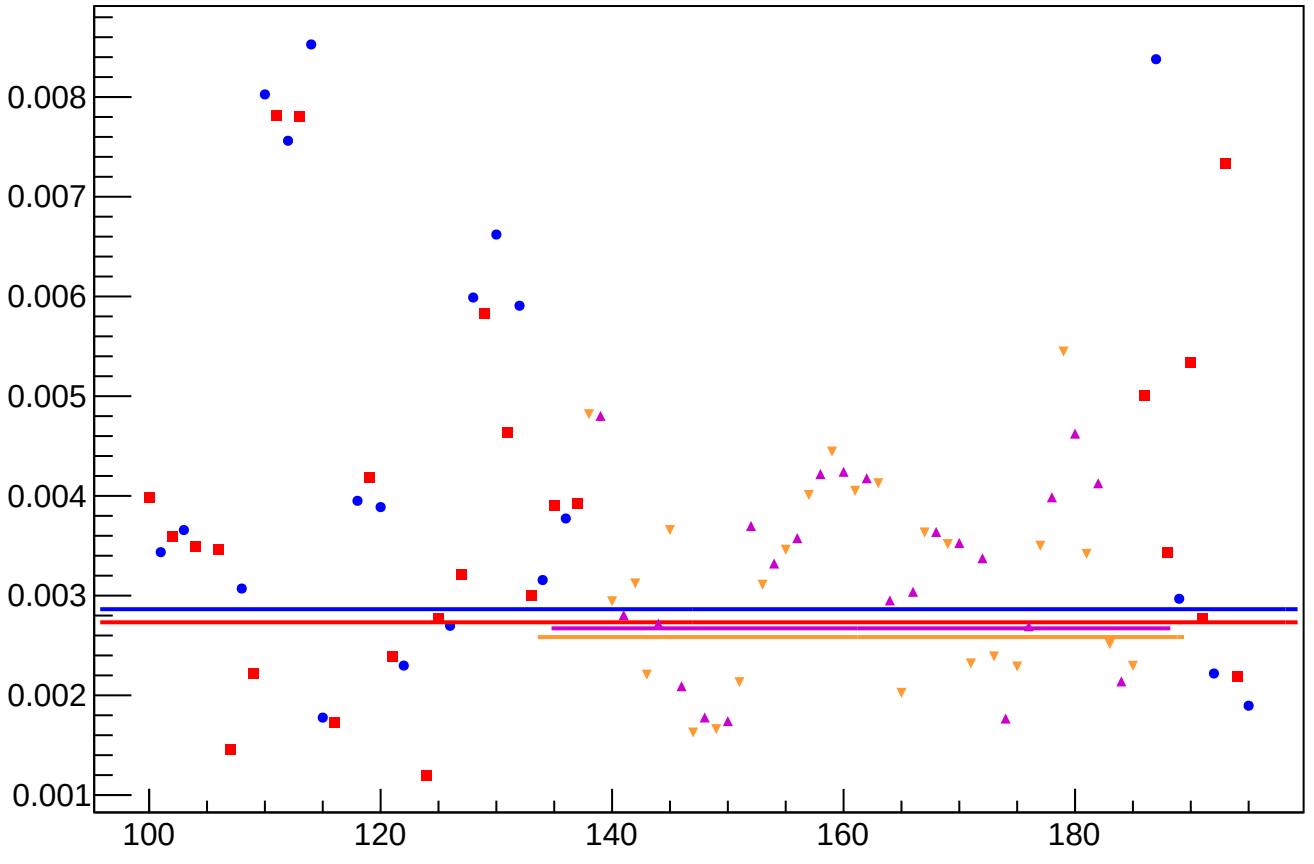
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/24

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: 115.9/92

- sign -0.000+/-0.000 χ^2/NDF: 54.4/47



Right In: 0.003+/-0.000 χ^2/NDF: 2816726.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

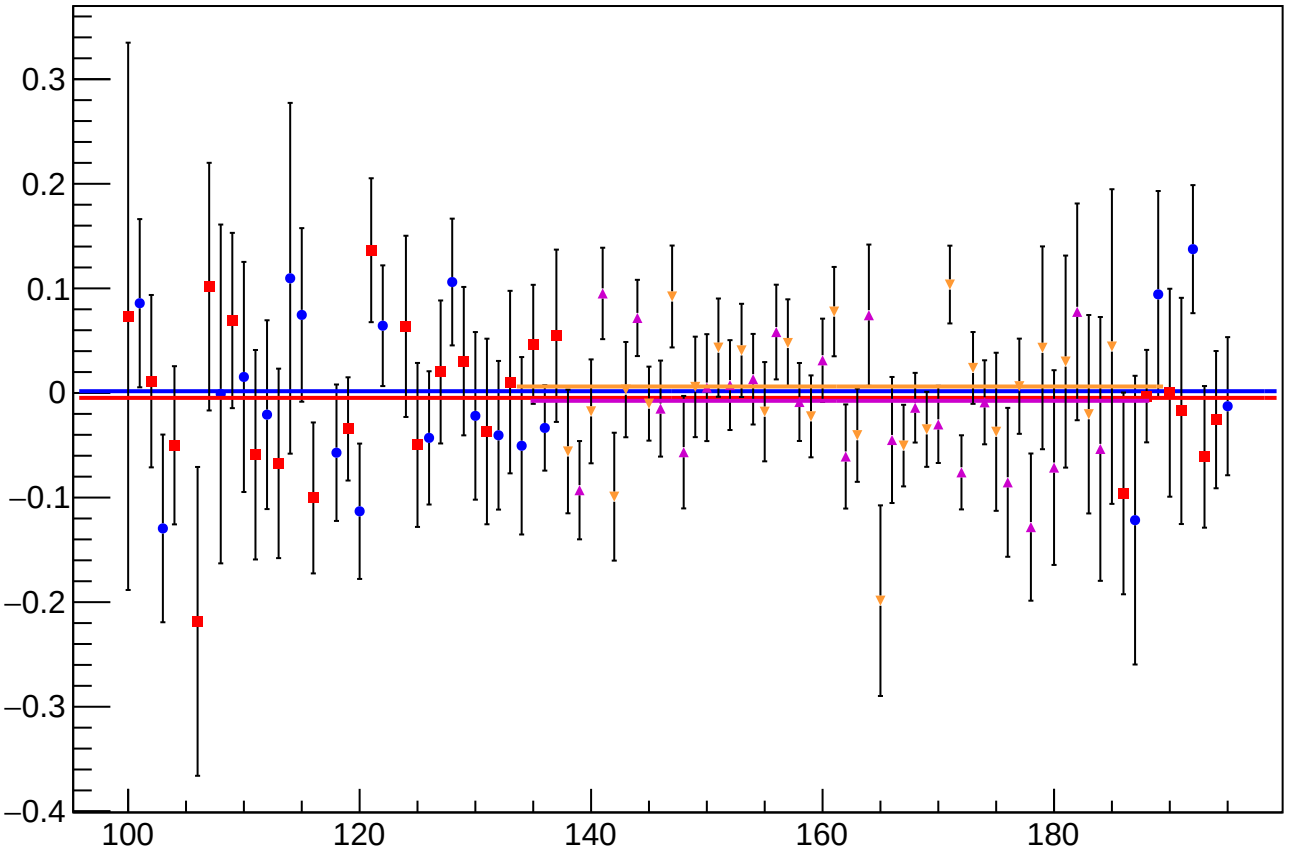
Right Out: 0.003+/-0.000 χ^2/NDF: 3794534.8/24

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: 14448290.6/92

- sign 0.003+/-0.000 χ^2/NDF: 7625780.4/47



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

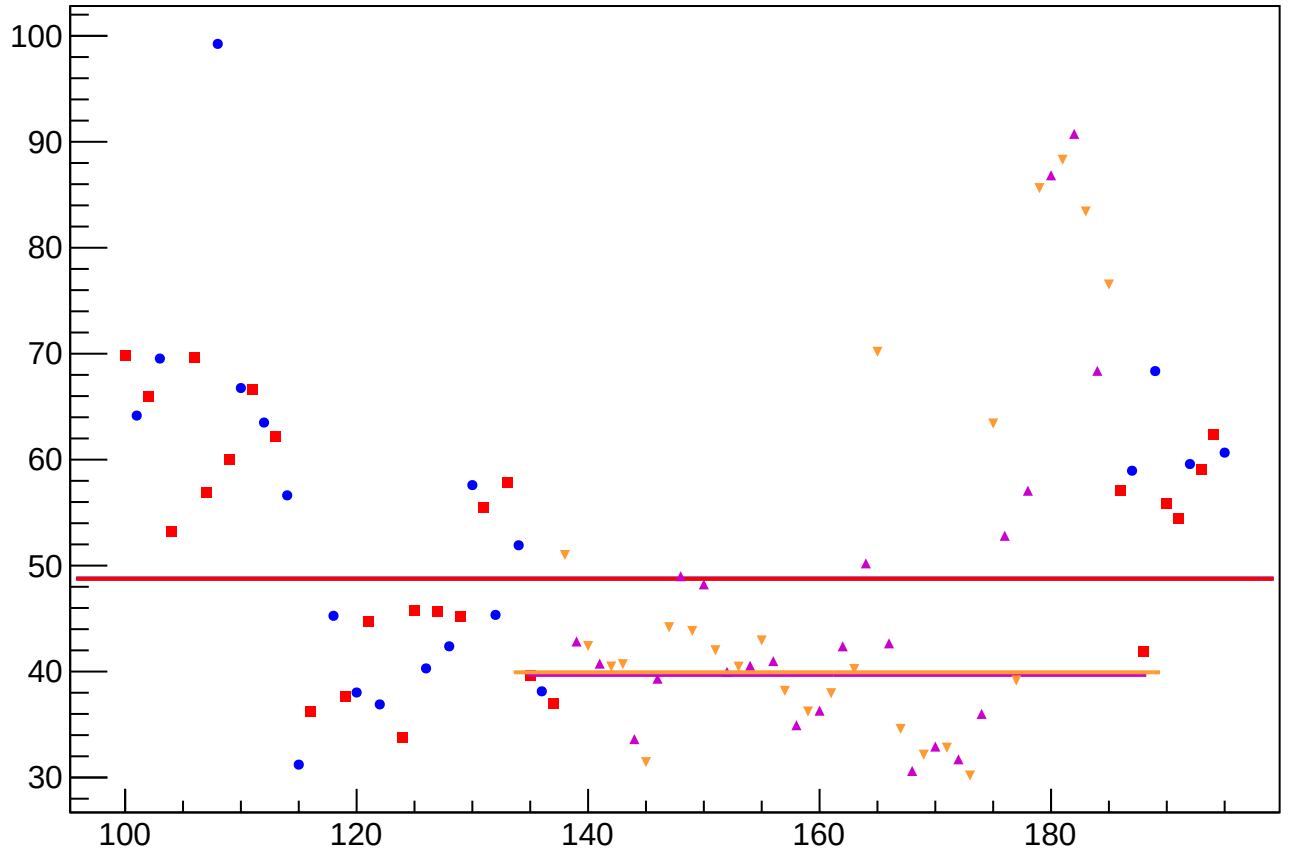
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

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: 99.4/92

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

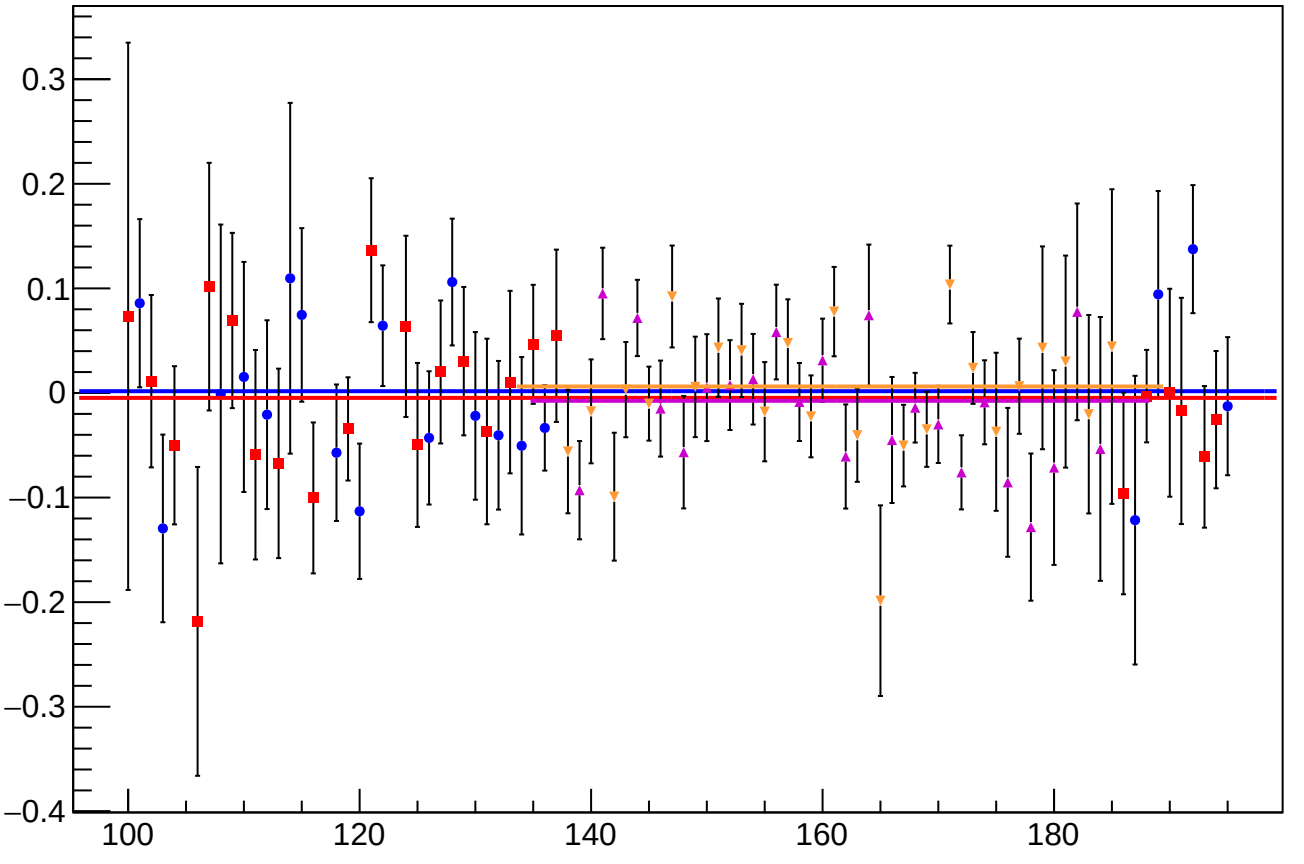
Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 42.188+/-0.006 χ^2/NDF: 4074489.1/44

All: 42.261+/-0.004 χ^2/NDF: 7369178.9/92

\- sign 42.333+/-0.006 χ^2/NDF: 3294382.7/47



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

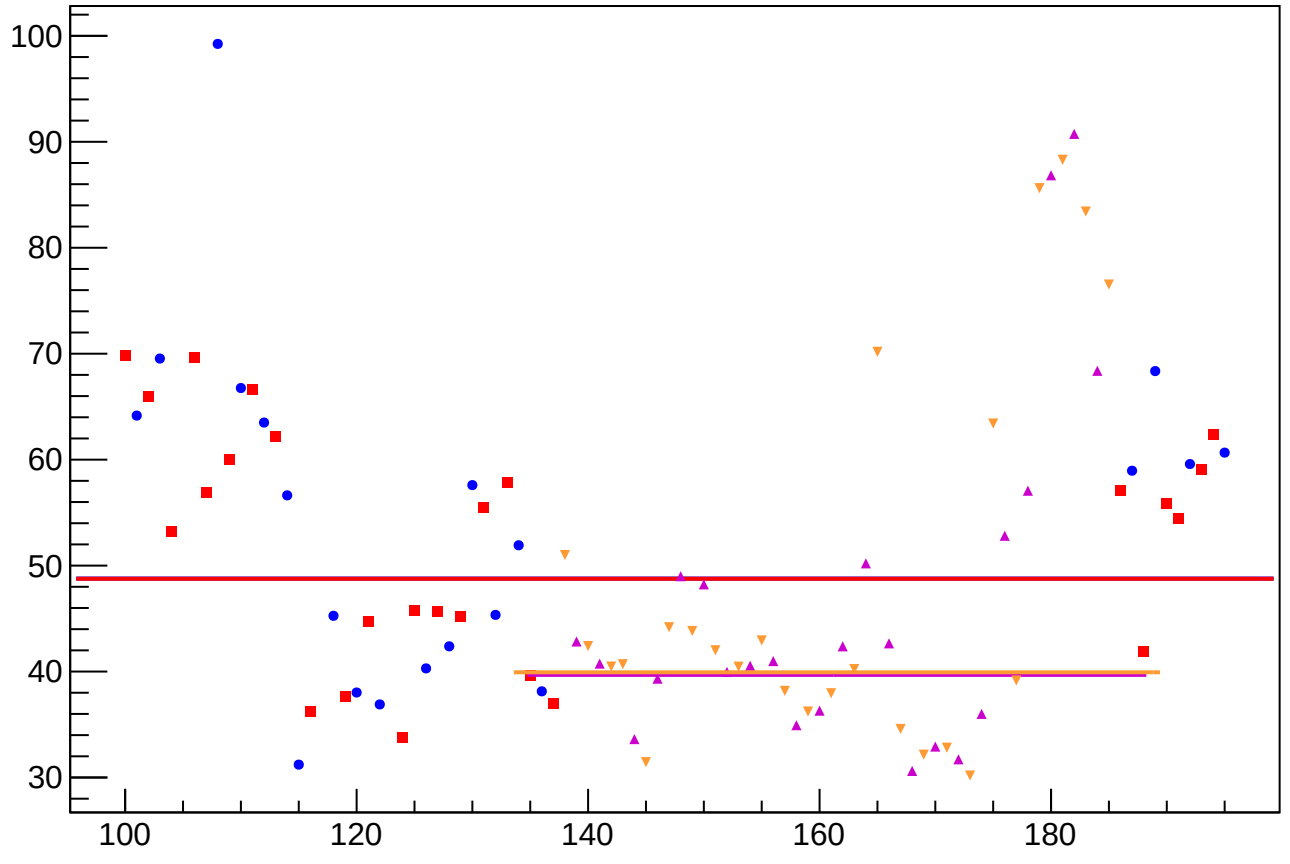
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

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: 99.4/92

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

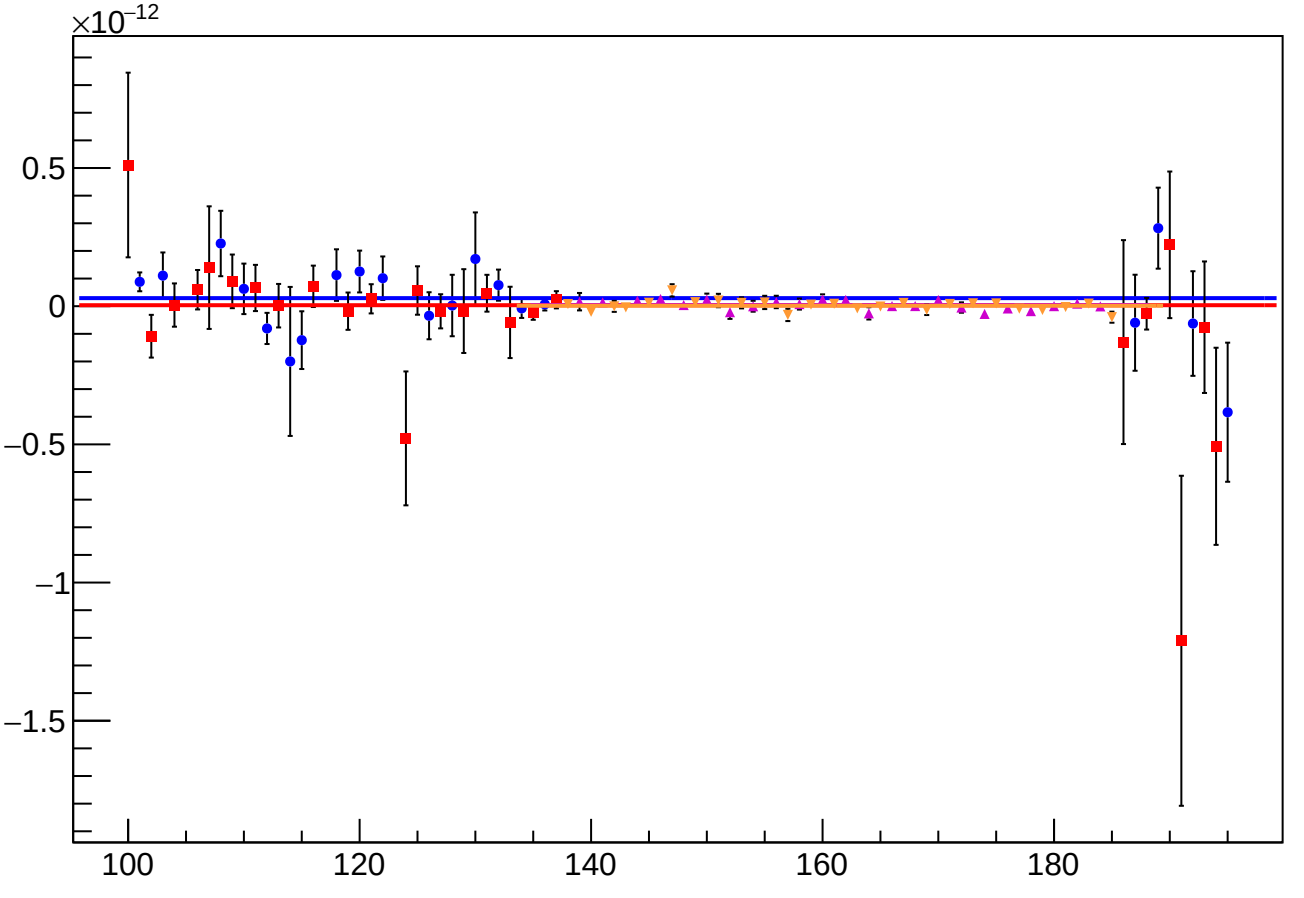
Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.188+/-0.006 χ^2/NDF: 4074489.1/44

All: 42.261+/-0.004 χ^2/NDF: 7369178.9/92

- sign 42.333+/-0.006 χ^2/NDF: 3294382.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

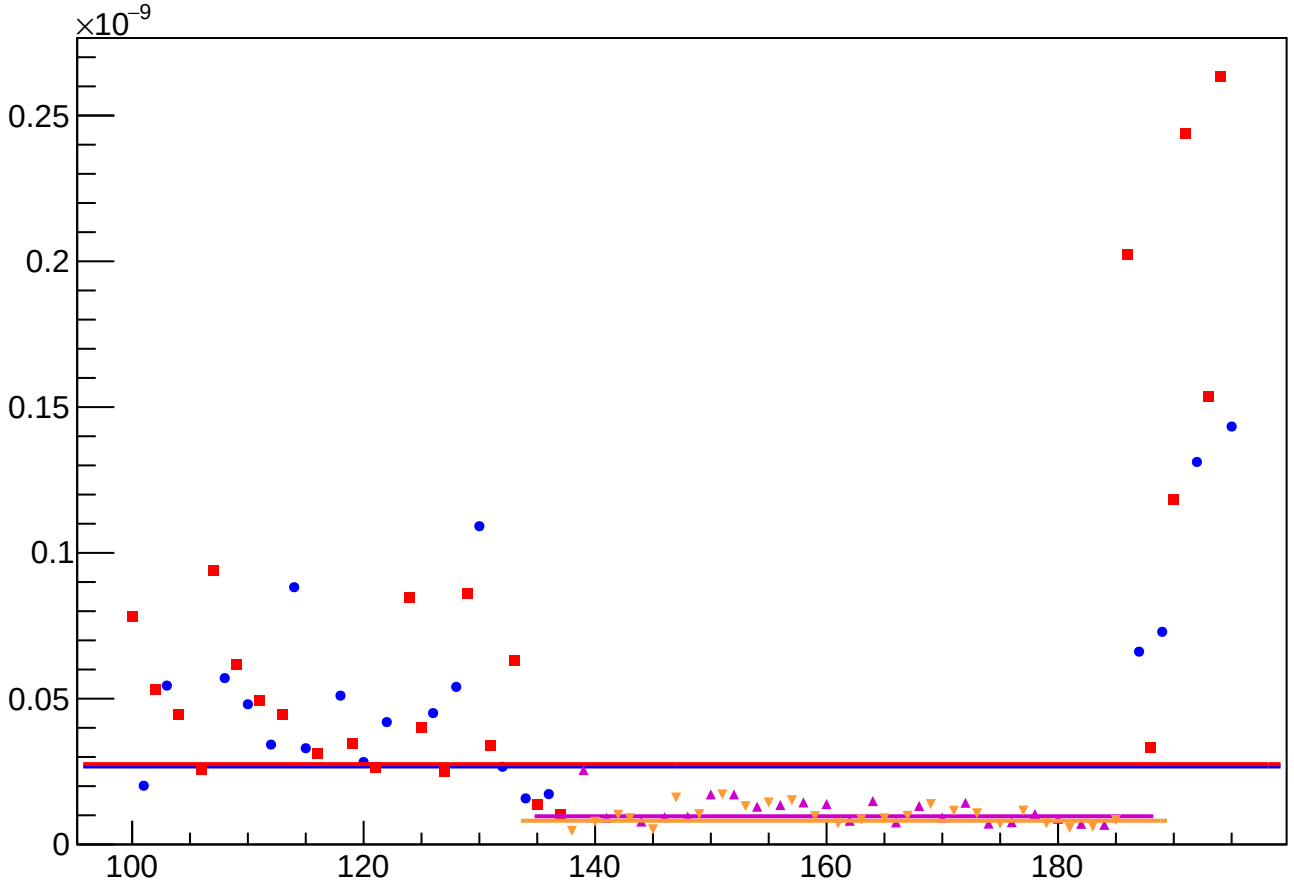
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/24

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: 108.4/92

- sign 0.000+/-0.000 χ^2/NDF: 49.2/47



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: 5225911.0/24

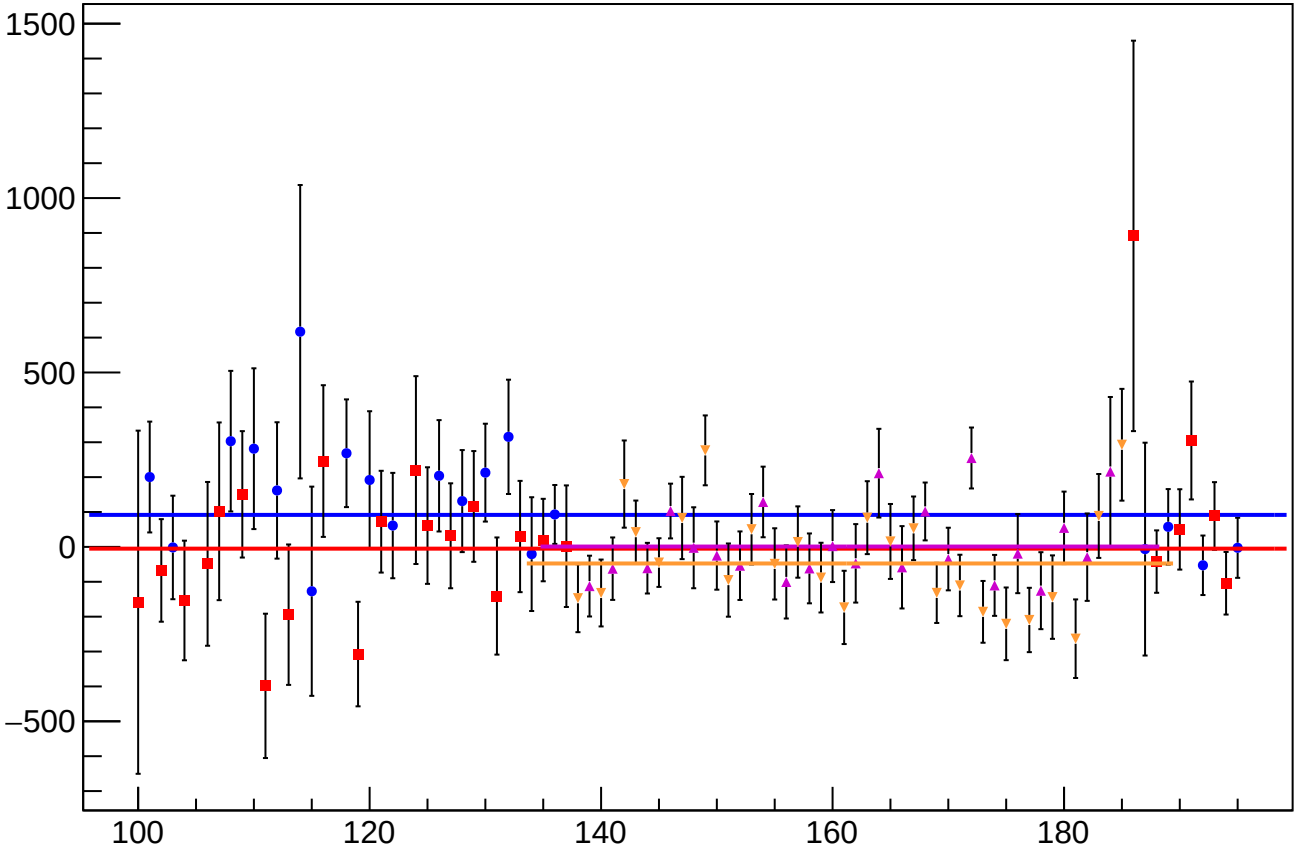
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9570161.0/44

All: 0.000+/-0.000 χ^2/NDF: 20451566.9/92

- sign 0.000+/-0.000 χ^2/NDF: 10514060.7/47

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: -5.030+/-30.274 χ^2/NDF: 22.9/24

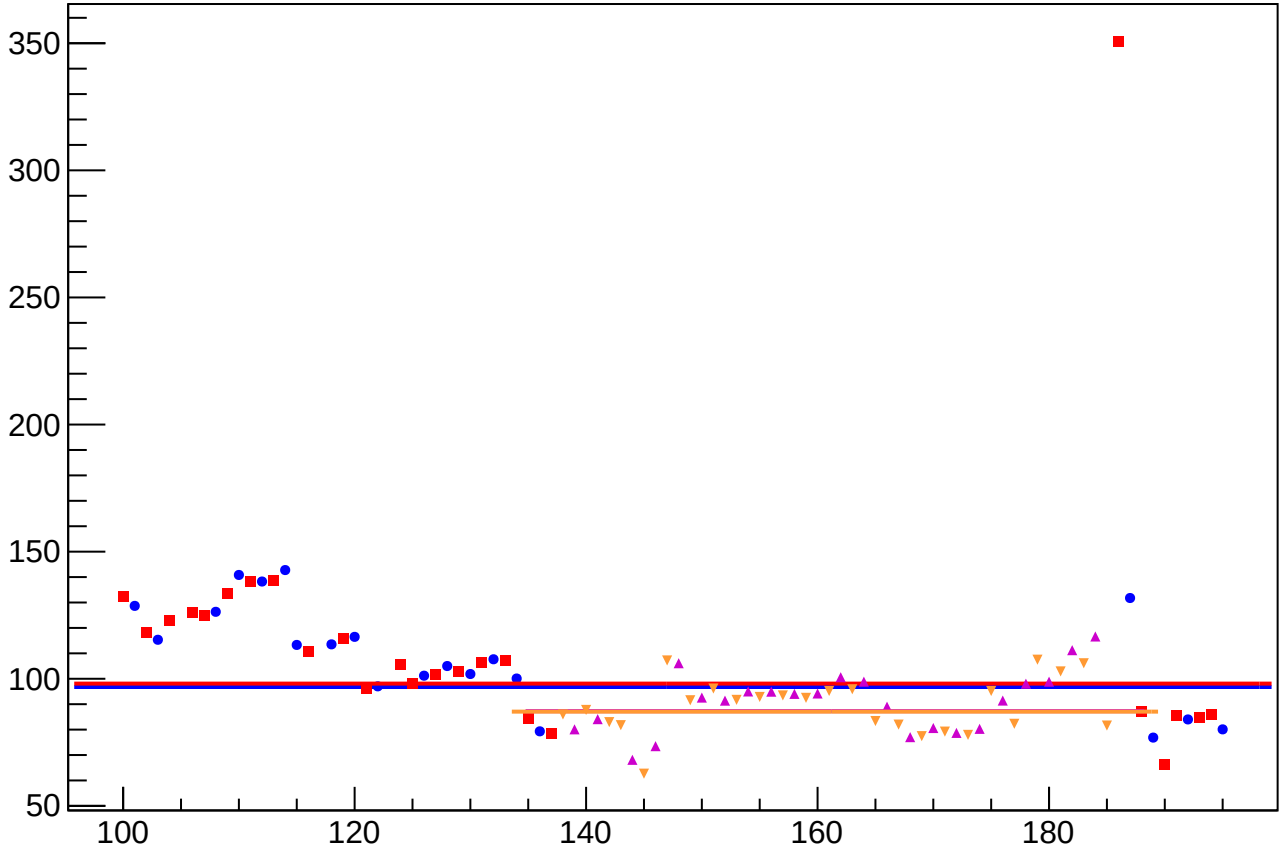
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.690+/-16.885 χ^2/NDF: 72.3/44

All: -4.334+/-11.992 χ^2/NDF: 120.7/92

- sign -0.918+/-17.033 χ^2/NDF: 48.4/47

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

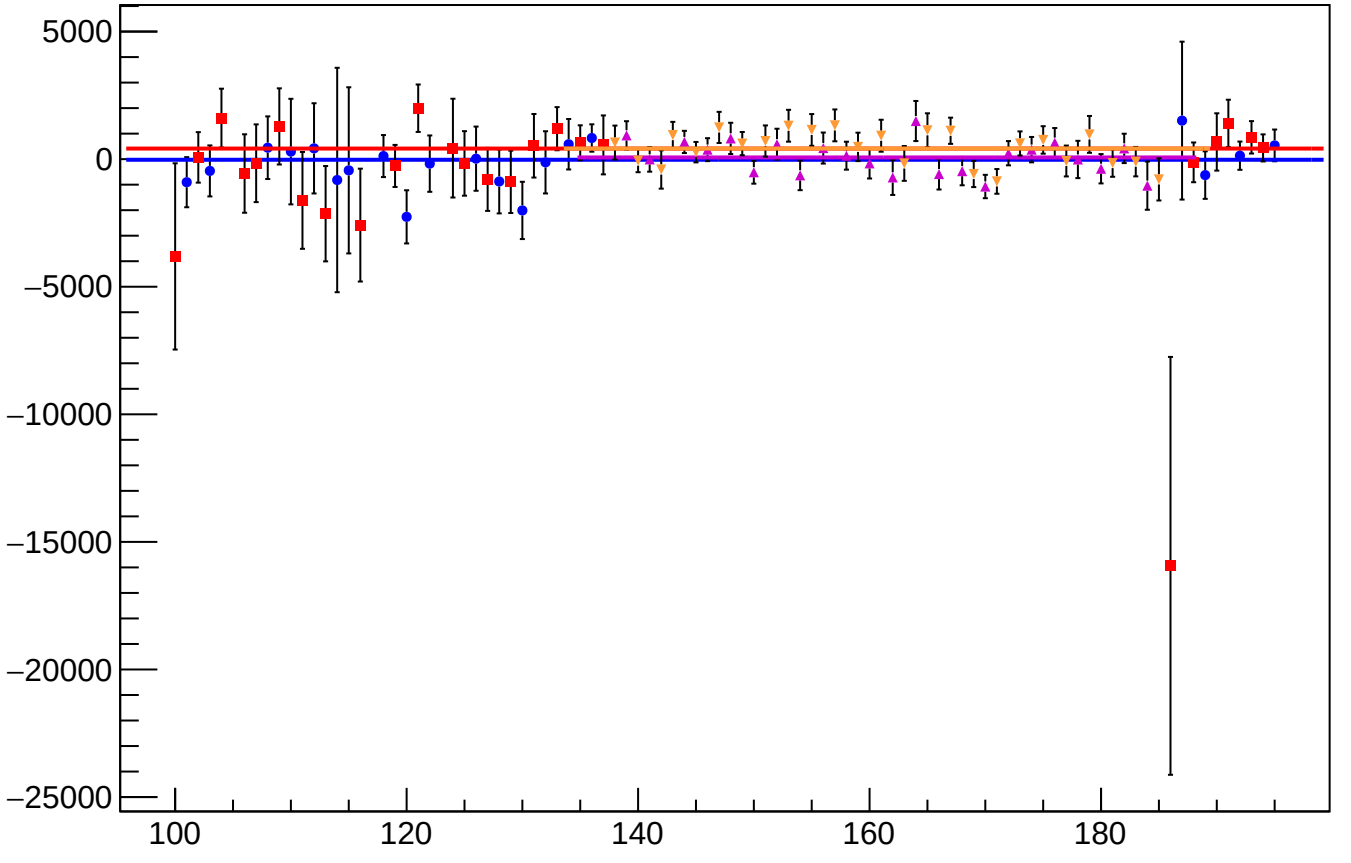
Right Out: 98.095+/-0.021 χ^2/NDF: 1152658.5/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.1/44

All: 90.262+/-0.008 χ^2/NDF: 3392528.4/92

- sign 90.688+/-0.012 χ^2/NDF: 1923650.2/47



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: 414.941+/-206.931 χ^2/NDF: 21.3/24

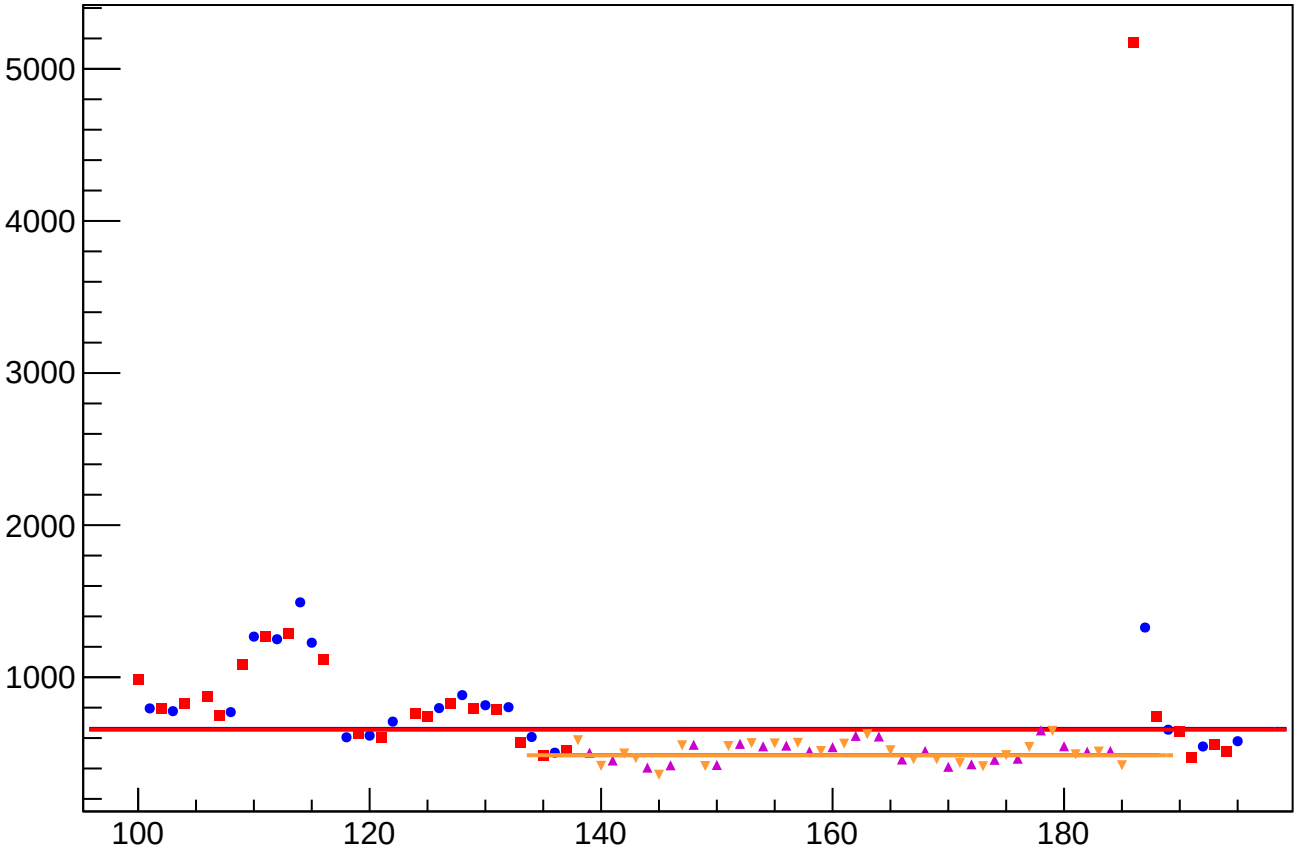
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 324.256+/-99.895 χ^2/NDF: 49.7/44

All: 237.573+/-70.954 χ^2/NDF: 102.1/92

- sign 149.313+/-100.800 χ^2/NDF: 51.0/47

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: 654.937+/-0.146 χ^2/NDF: 2034345.4/24

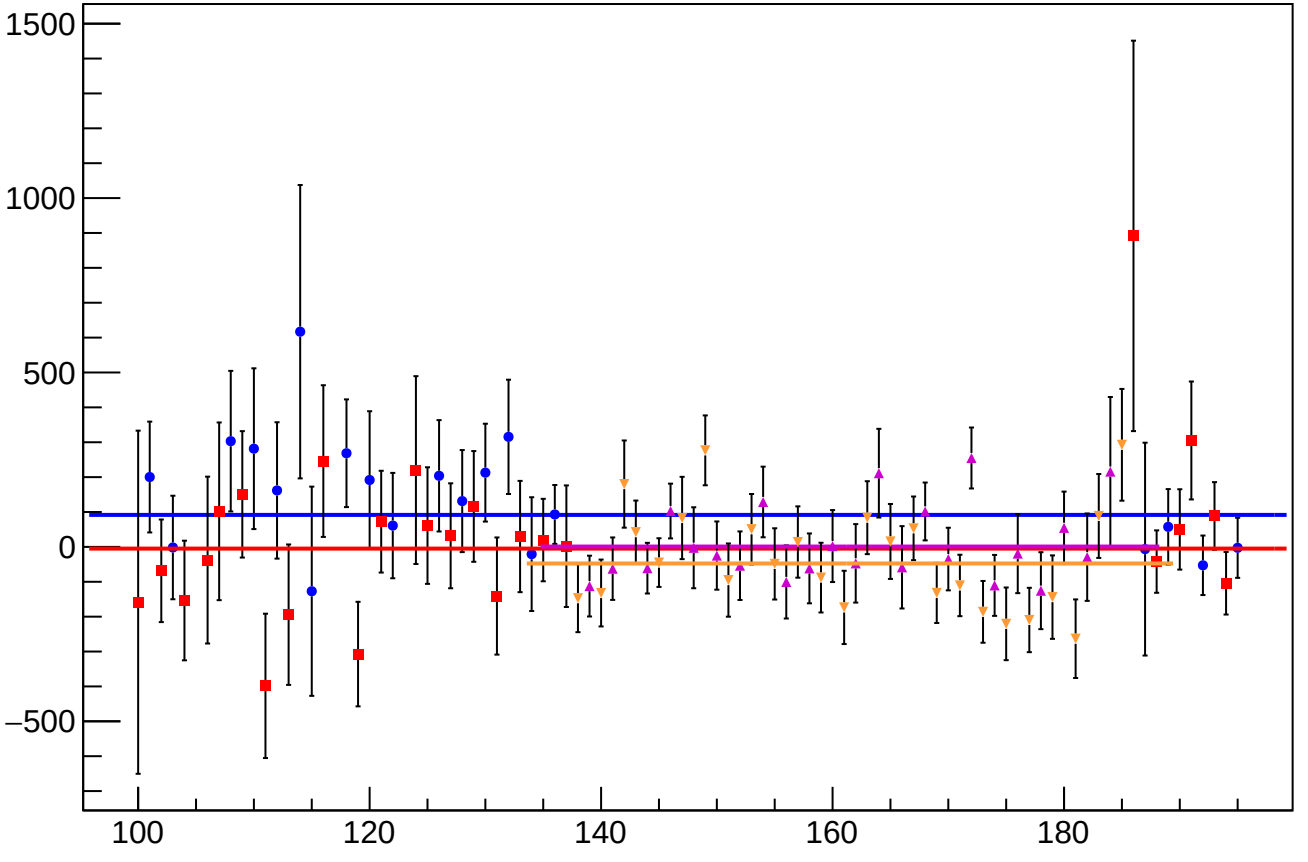
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982682.4/44

All: 525.421+/-0.050 χ^2/NDF: 6646667.1/92

- sign 527.558+/-0.071 χ^2/NDF: 3662203.8/47

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: -4.872+/-30.283 χ^2/NDF: 22.9/24

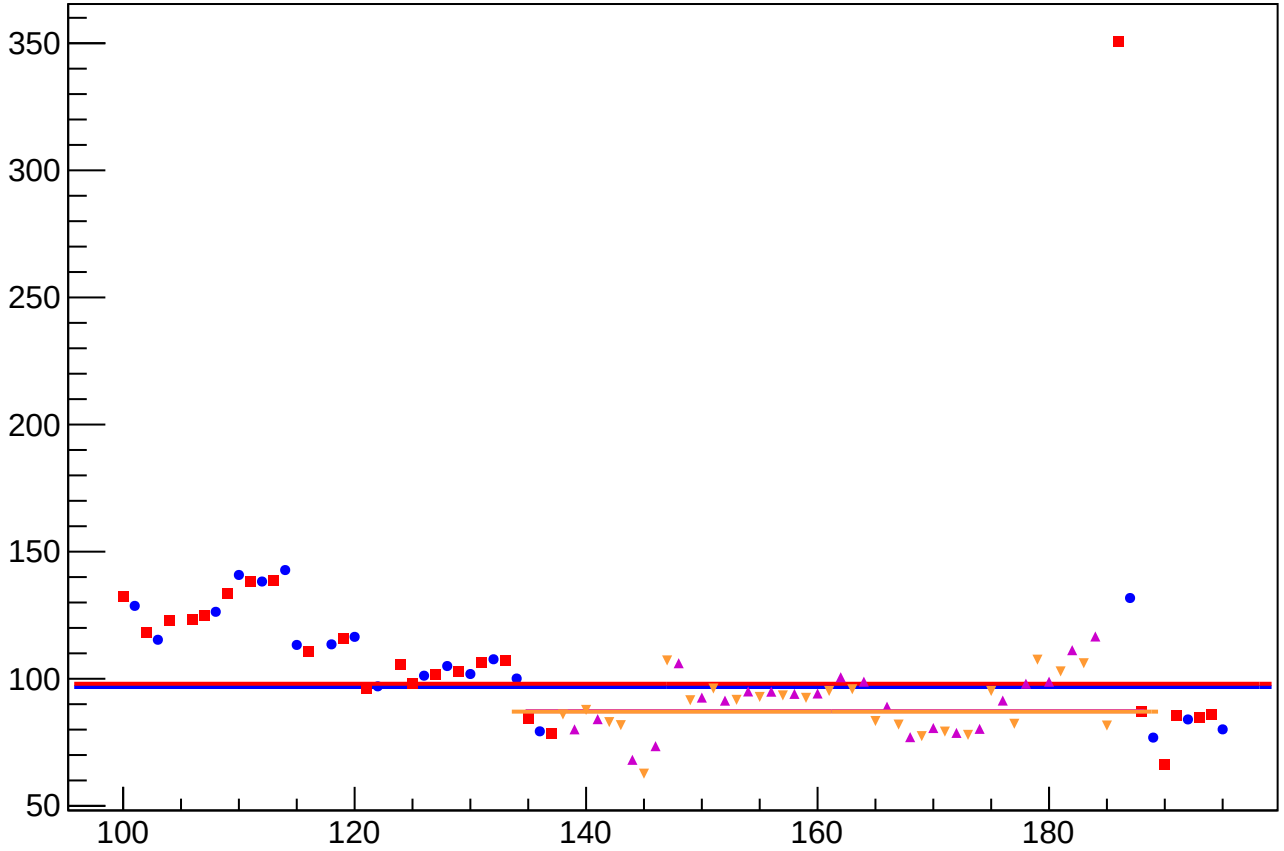
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.699+/-16.885 χ^2/NDF: 72.3/44

All: -4.313+/-11.992 χ^2/NDF: 120.7/92

- sign -0.866+/-17.035 χ^2/NDF: 48.4/47

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

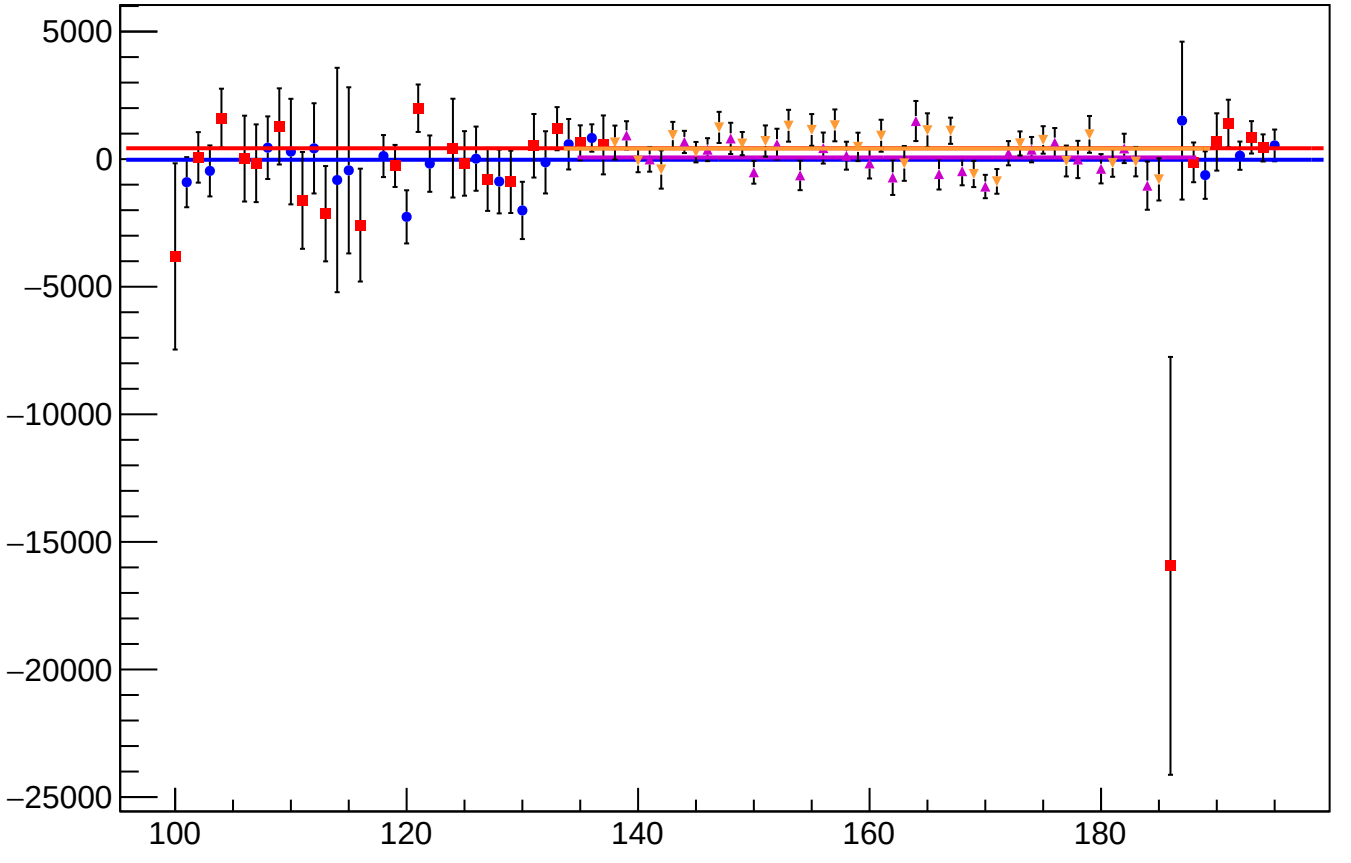
Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.4/44

All: 90.252+/-0.008 χ^2/NDF: 3384178.4/92

- sign 90.667+/-0.012 χ^2/NDF: 1915421.1/47



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: 426.745+/-207.248 χ^2/NDF: 20.9/24

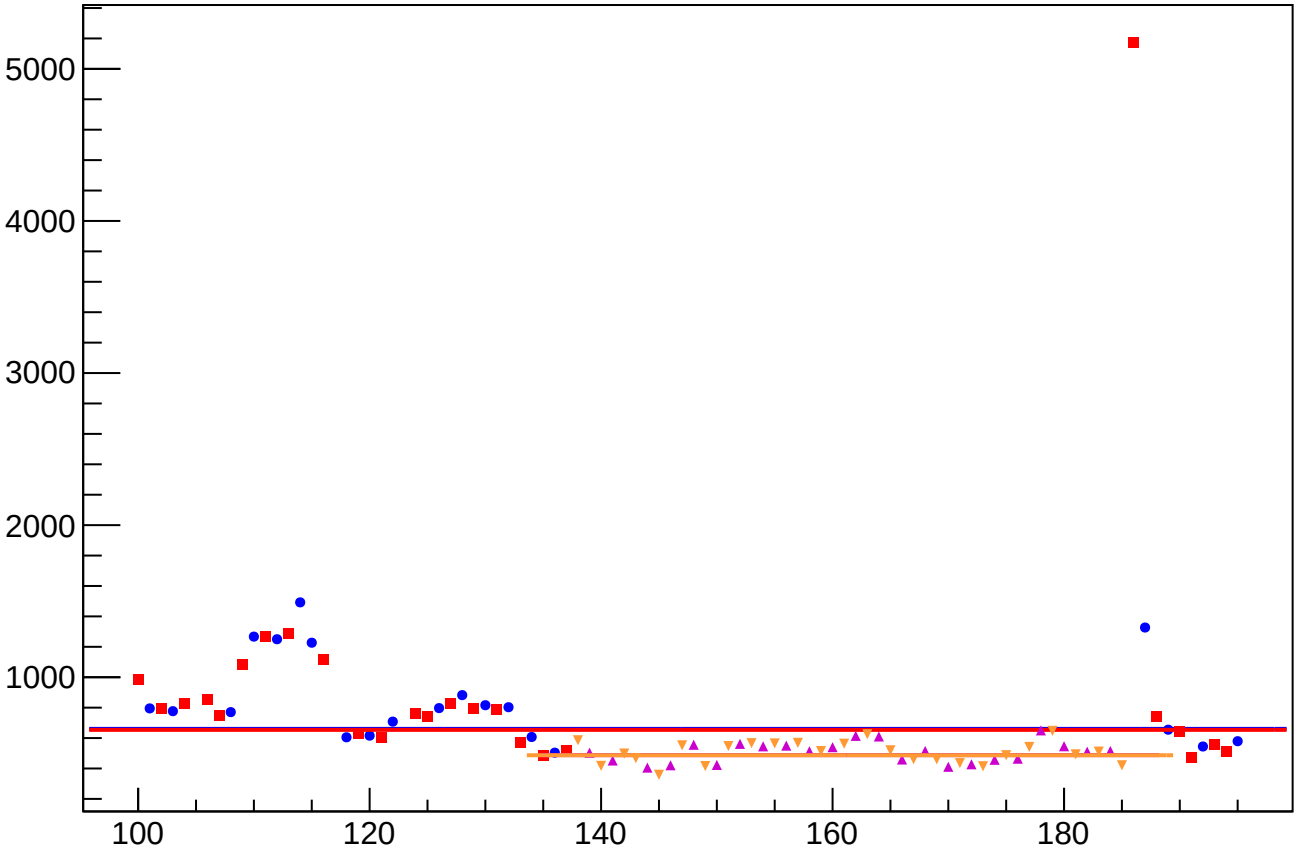
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.250+/-99.895 χ^2/NDF: 49.7/44

All: 238.890+/-70.967 χ^2/NDF: 101.9/92

- sign 151.914+/-100.836 χ^2/NDF: 50.7/47

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: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

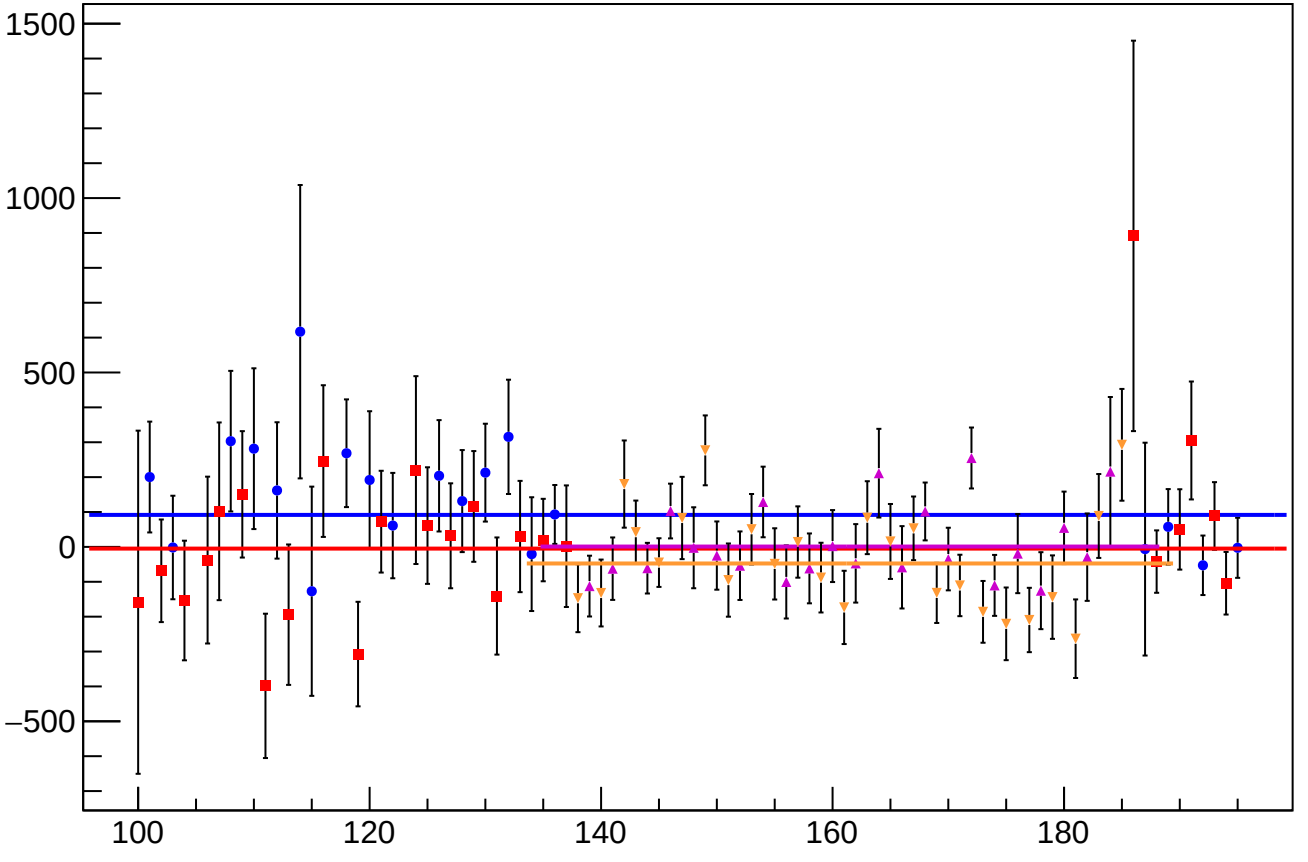
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982688.6/44

All: 525.263+/-0.050 χ^2/NDF: 6620240.8/92

- sign 527.239+/-0.071 χ^2/NDF: 3636029.8/47

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: -4.872+/-30.283 χ^2/NDF: 22.9/24

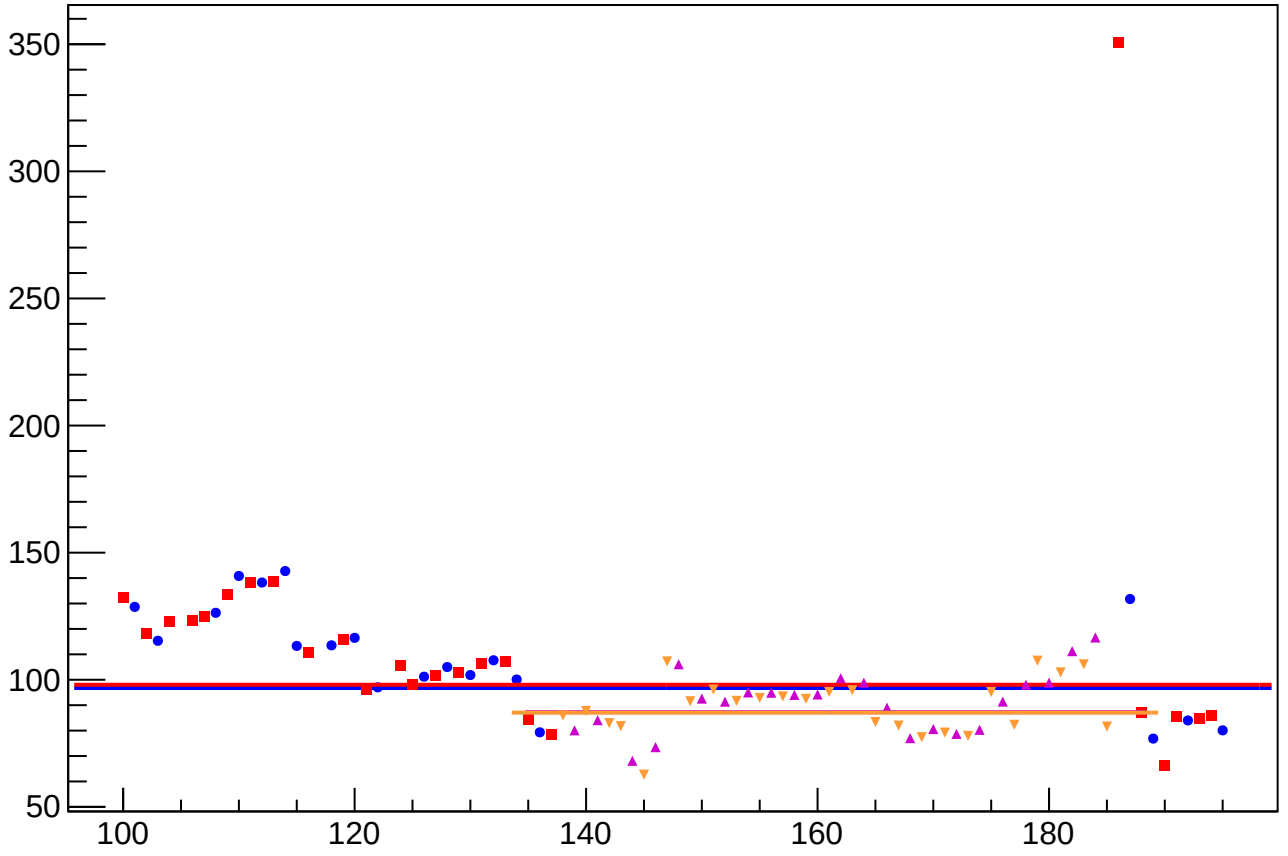
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.699+/-16.885 χ^2/NDF: 72.3/44

All: -4.313+/-11.992 χ^2/NDF: 120.7/92

- sign -0.866+/-17.035 χ^2/NDF: 48.4/47

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

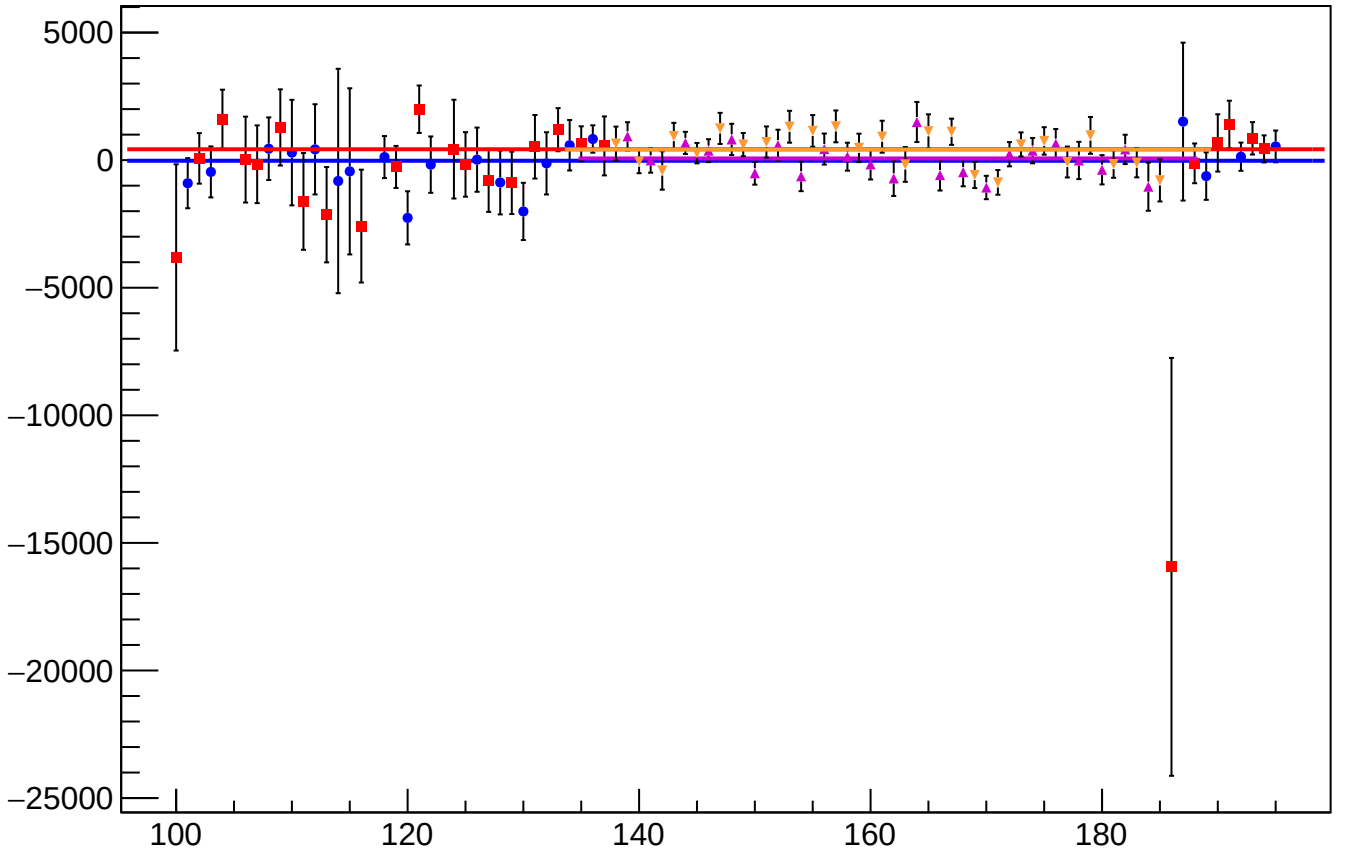
Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.844+/-0.012 χ^2/NDF: 1466401.4/44

All: 90.252+/-0.008 χ^2/NDF: 3384178.4/92

- sign 90.667+/-0.012 χ^2/NDF: 1915421.1/47



Right In: -24.076+/-218.387 χ^2/NDF: 14.0/19

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

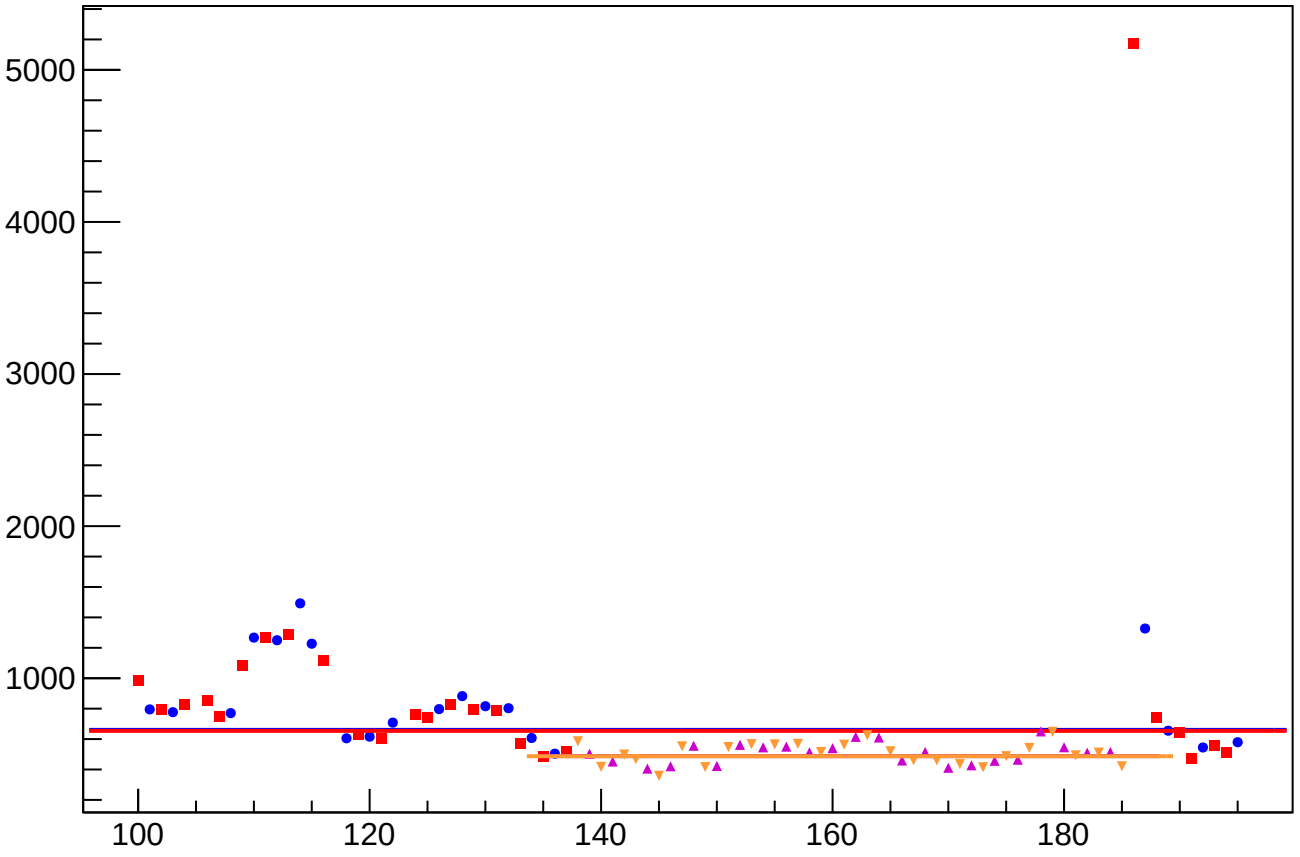
Right Out: 426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.250+/-99.895 χ^2/NDF: 49.7/44

All: 238.890+/-70.967 χ^2/NDF: 101.9/92

- sign 151.914+/-100.836 χ^2/NDF: 50.7/47



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: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

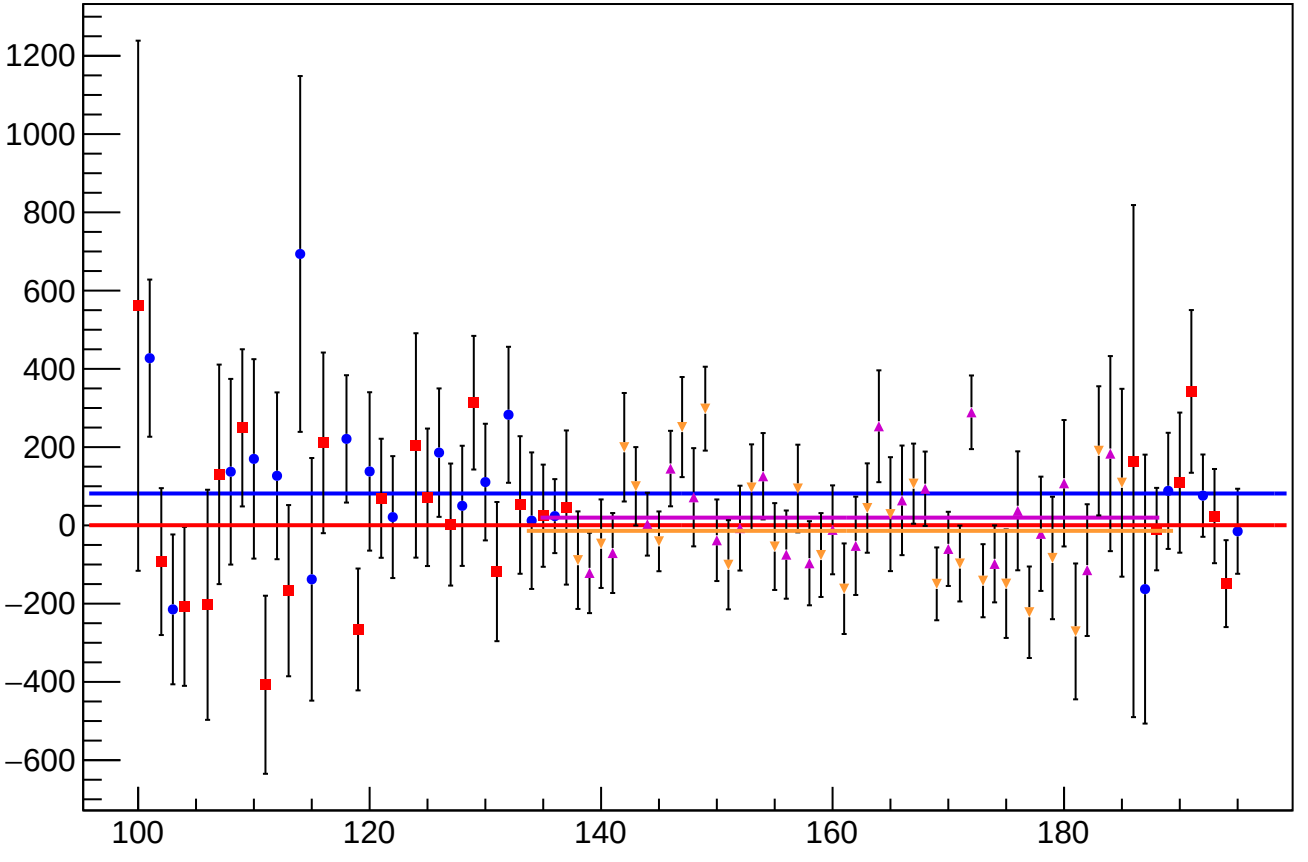
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 523.323+/-0.071 χ^2/NDF: 2982688.6/44

All: 525.263+/-0.050 χ^2/NDF: 6620240.8/92

- sign 527.239+/-0.071 χ^2/NDF: 3636029.8/47

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: 0.443+/-35.080 χ^2/NDF: 21.6/24

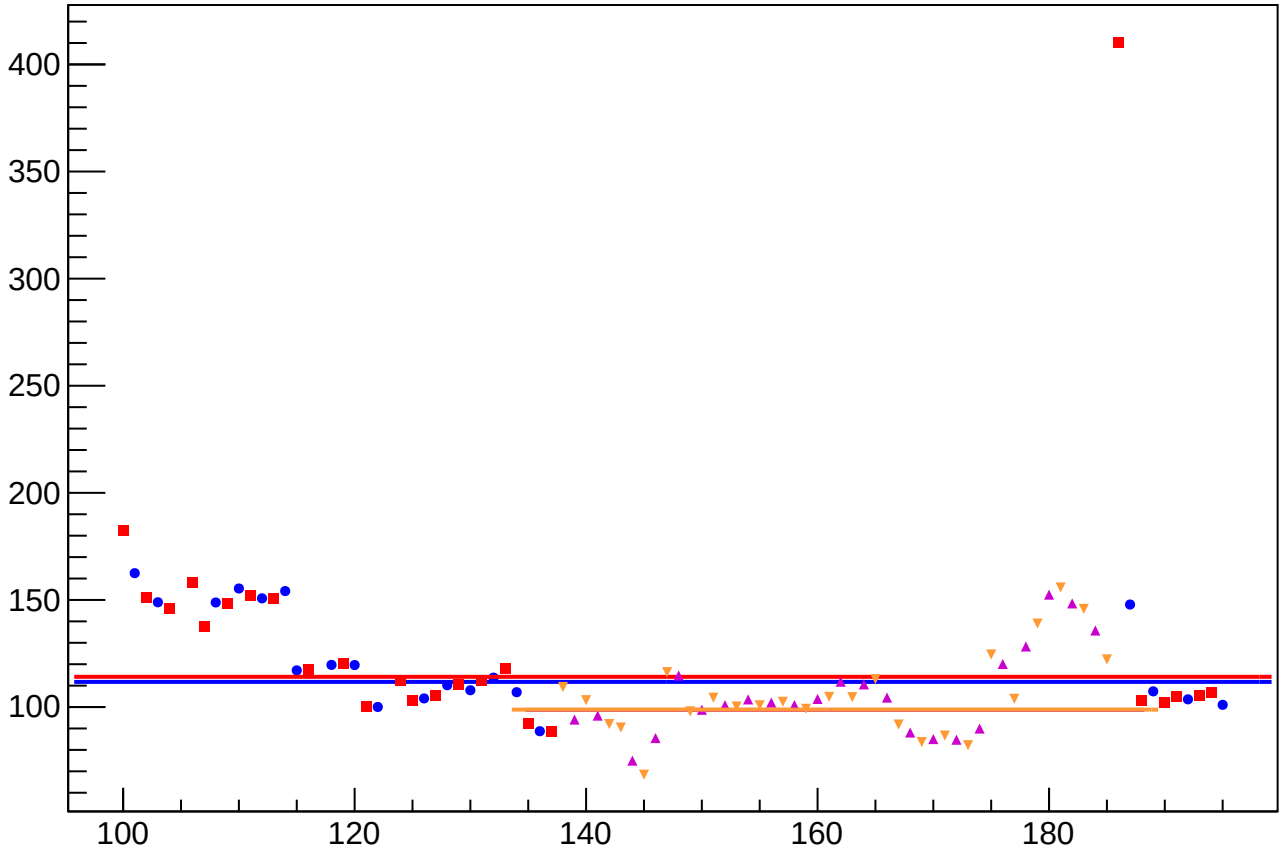
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 13.245+/-19.384 χ^2/NDF: 53.8/44

All: 13.511+/-13.770 χ^2/NDF: 98.9/92

\- sign 13.783+/-19.565 χ^2/NDF: 45.1/47

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: 114.117+/-0.025 χ^2/NDF: 965637.0/24

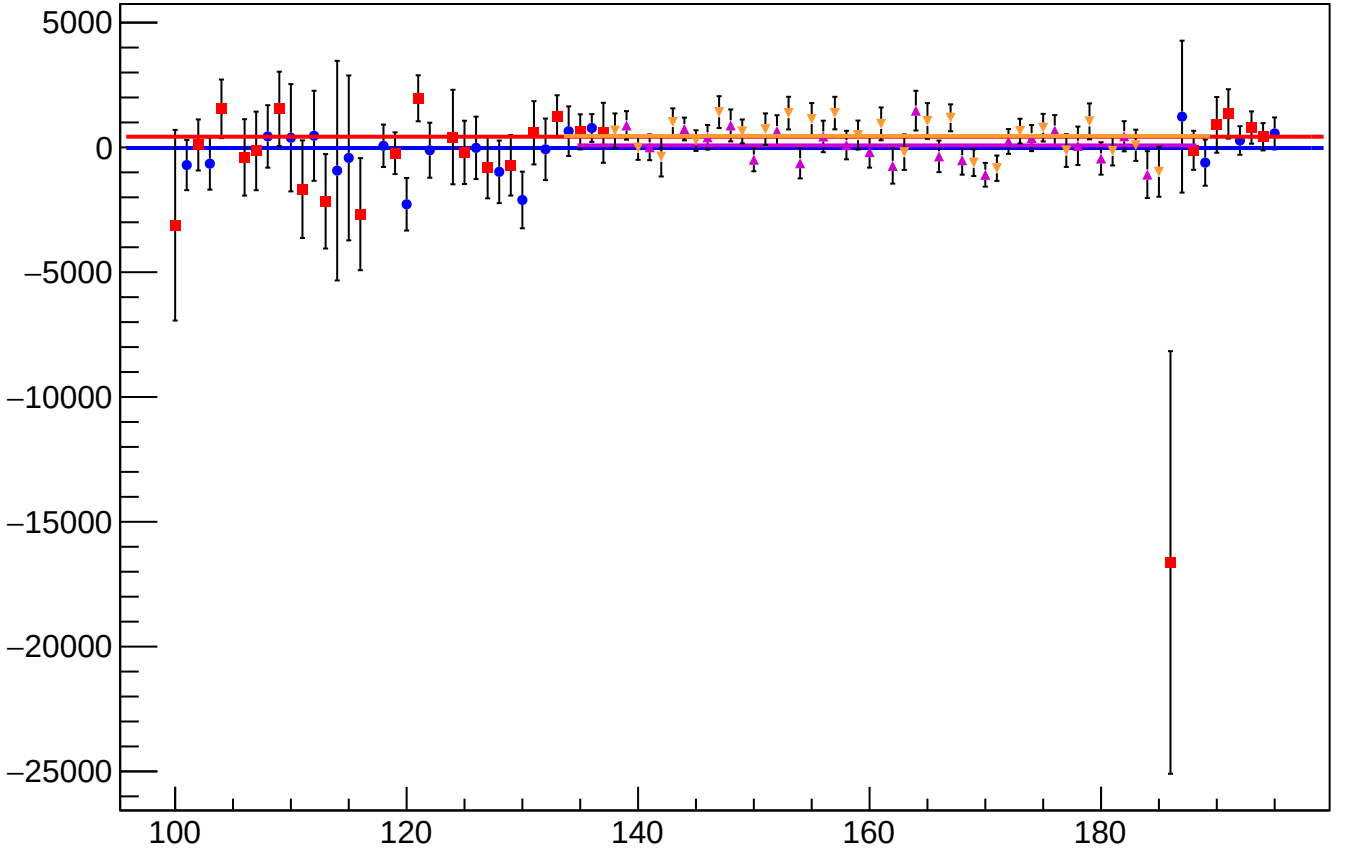
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.482+/-0.014 χ^2/NDF: 1963582.8/44

All: 102.975+/-0.010 χ^2/NDF: 4186724.6/92

- sign 103.477+/-0.014 χ^2/NDF: 2220533.3/47

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: 427.922+/-210.505 χ^2/NDF: 20.3/24

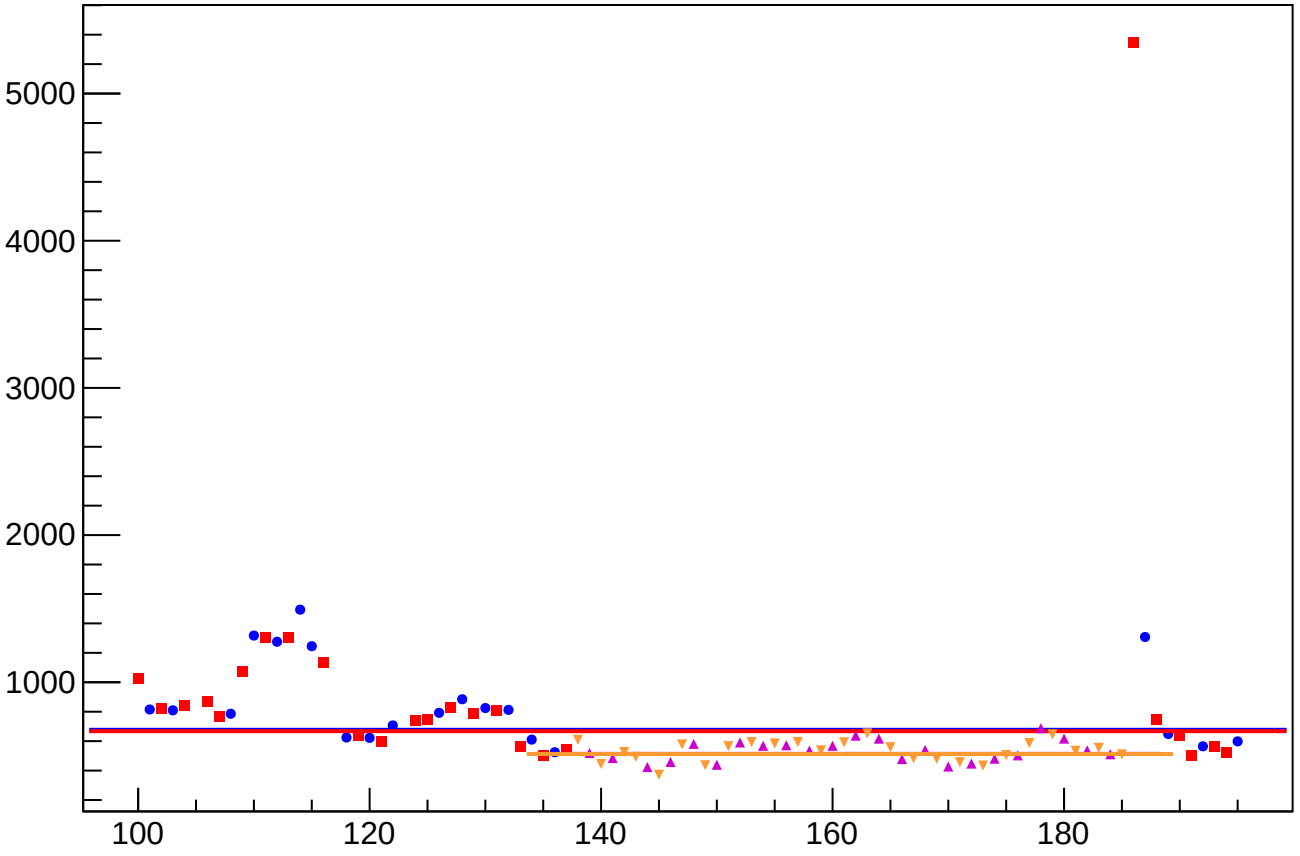
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 353.563+/-104.429 χ^2/NDF: 48.3/44

All: 260.445+/-74.109 χ^2/NDF: 98.5/92

- sign 165.968+/-105.188 χ^2/NDF: 48.6/47

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: 667.659+/-0.149 χ^2/NDF: 1968889.8/24

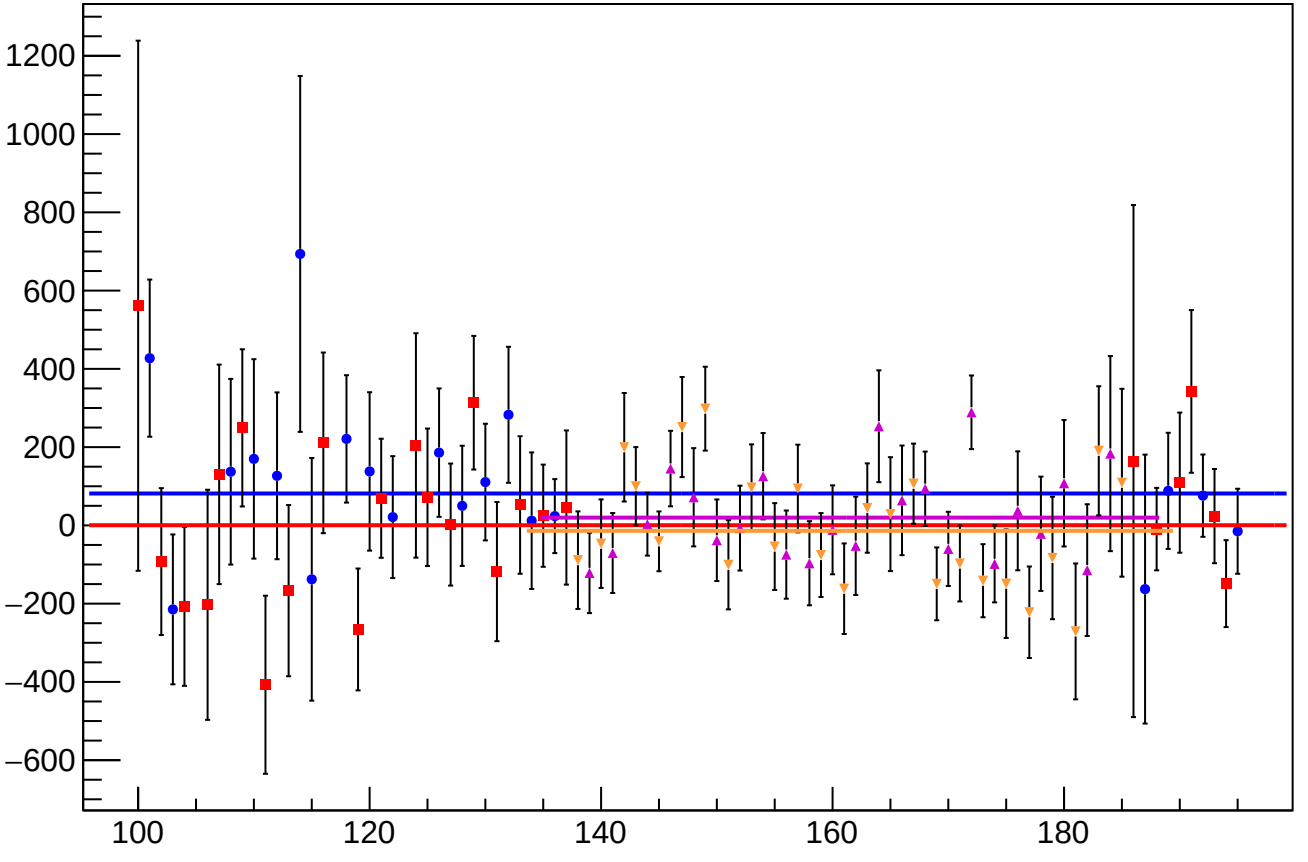
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 548.642+/-0.074 χ^2/NDF: 2752633.1/44

All: 550.259+/-0.052 χ^2/NDF: 6162585.1/92

- sign 551.899+/-0.074 χ^2/NDF: 3408986.5/47

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: 0.443+/-35.080 χ^2/NDF: 21.6/24

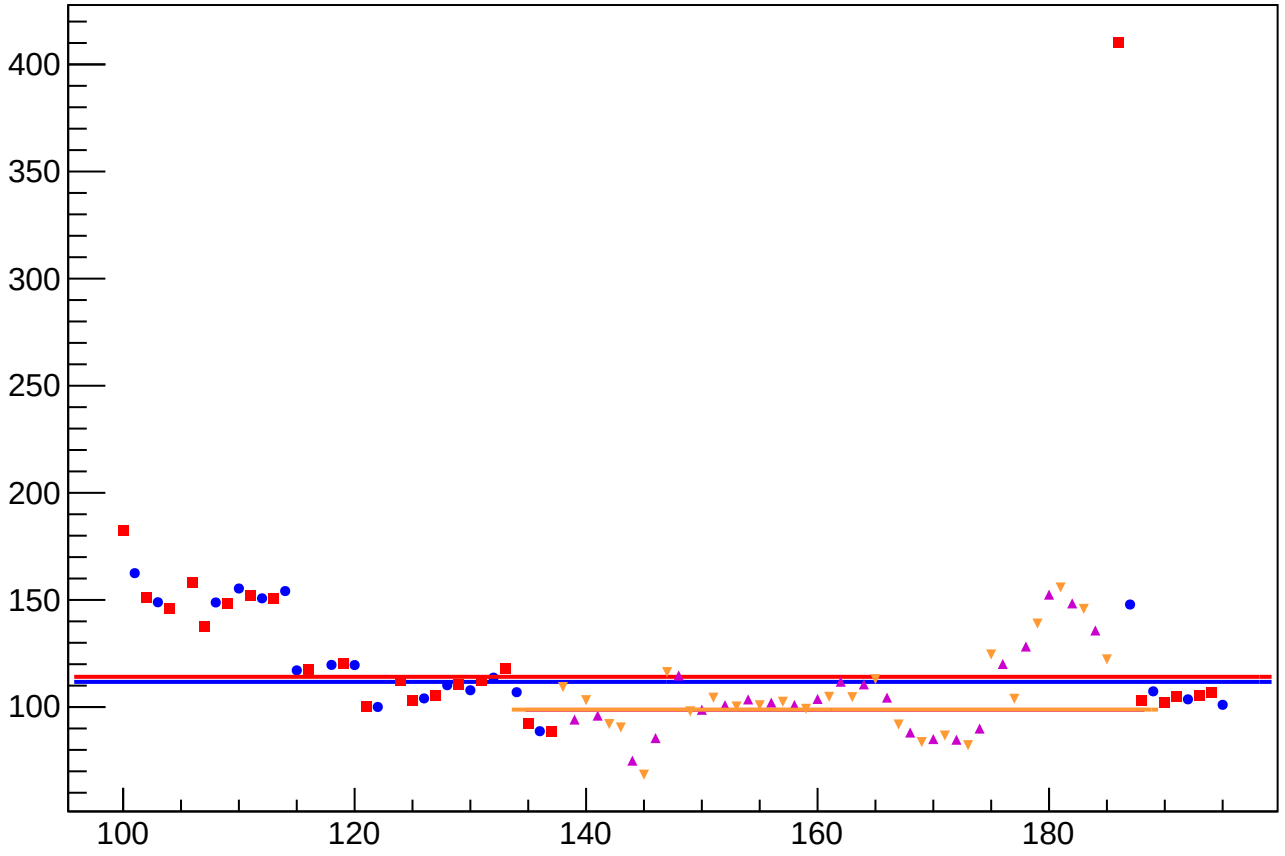
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 13.243+/-19.384 χ^2/NDF: 53.8/44

All: 13.510+/-13.770 χ^2/NDF: 98.9/92

- sign 13.783+/-19.565 χ^2/NDF: 45.1/47

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

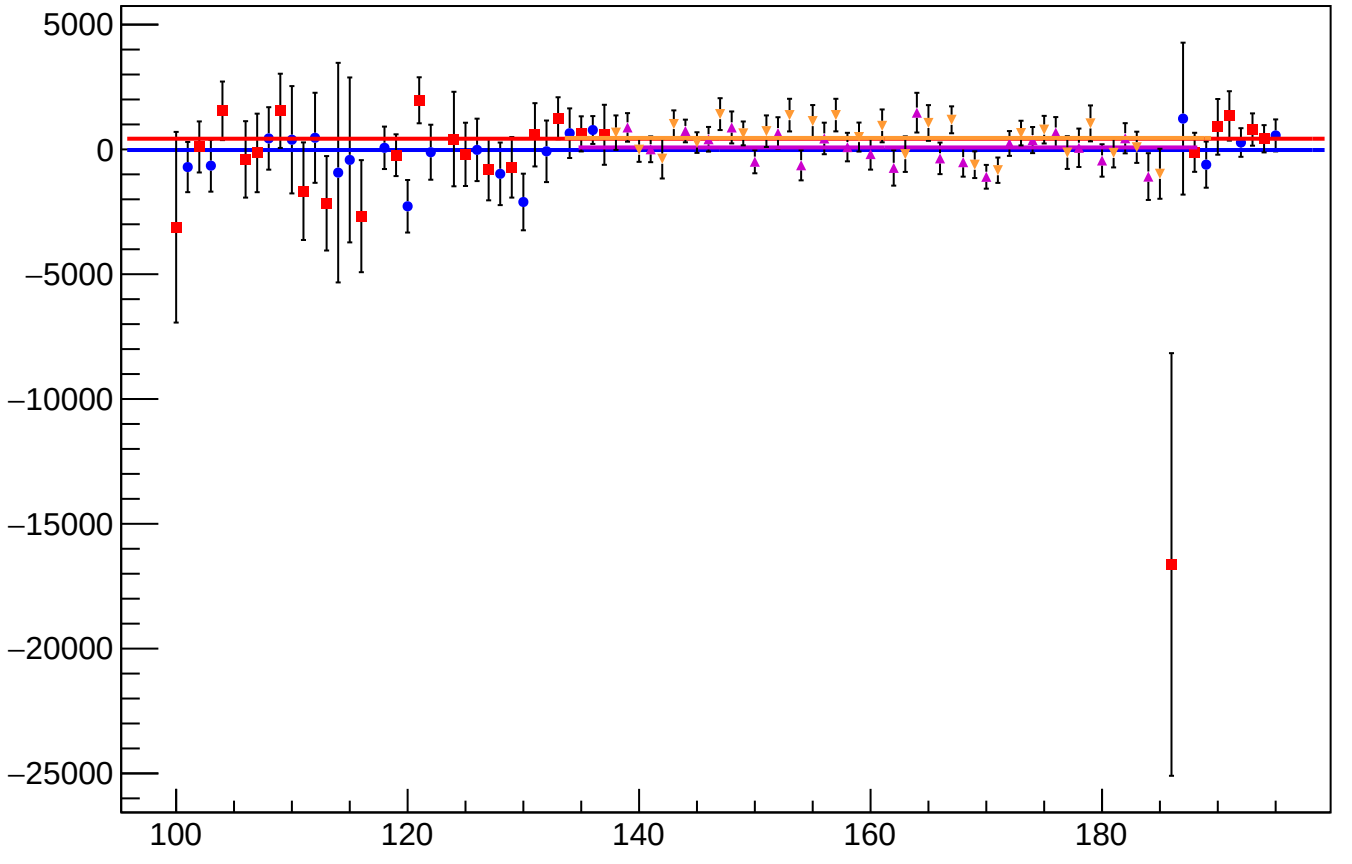
Right Out: 114.117+/-0.025 χ^2/NDF: 965622.1/24

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.482+/-0.014 χ^2/NDF: 1963578.6/44

All: 102.975+/-0.010 χ^2/NDF: 4186701.1/92

- sign 103.477+/-0.014 χ^2/NDF: 2220513.9/47



Right In: -24.391+/-223.523 χ^2/NDF: 13.9/19

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

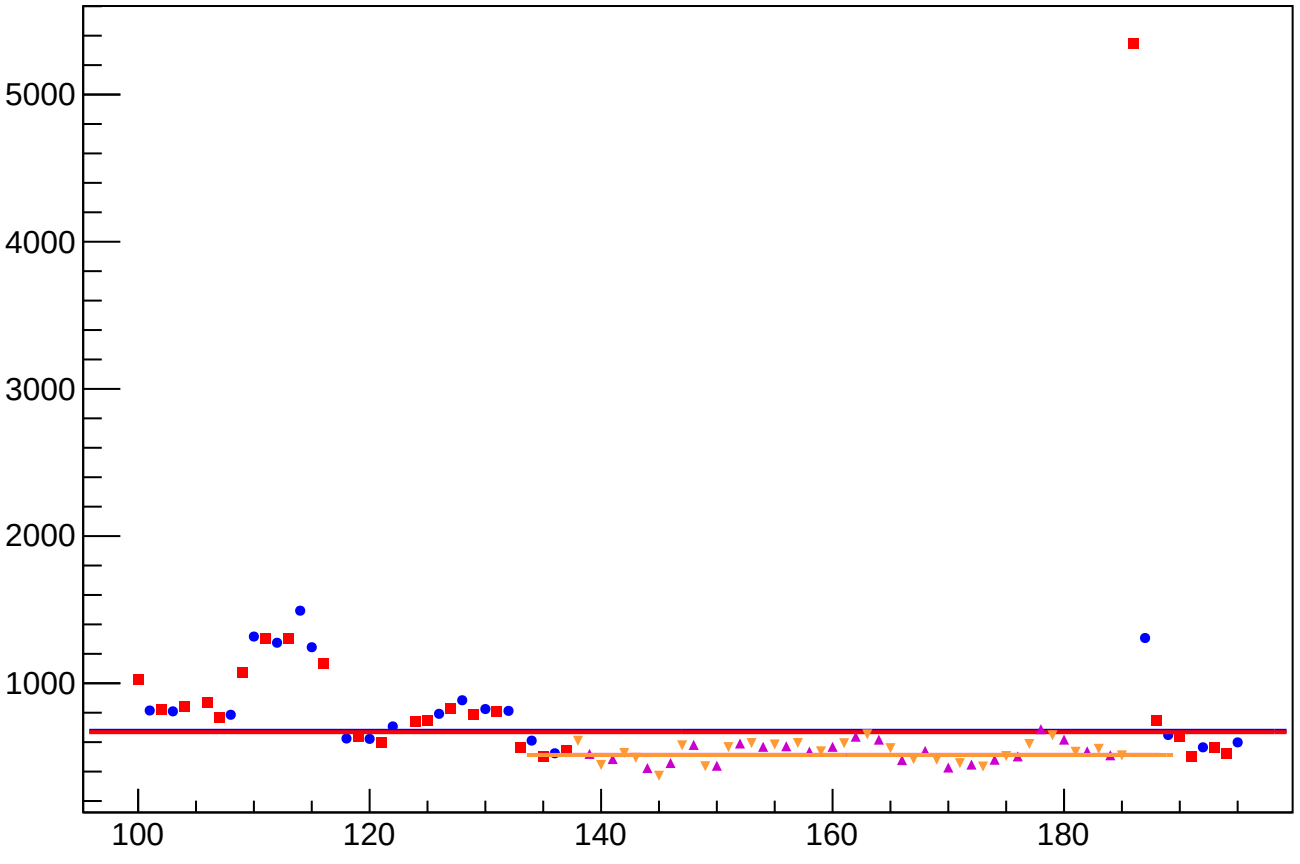
Right Out: 427.921+/-210.504 χ^2/NDF: 20.3/24

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 353.562+/-104.429 χ^2/NDF: 48.3/44

All: 260.444+/-74.109 χ^2/NDF: 98.5/92

- sign 165.967+/-105.188 χ^2/NDF: 48.6/47



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: 667.658+/-0.149 χ^2/NDF: 1968886.3/24

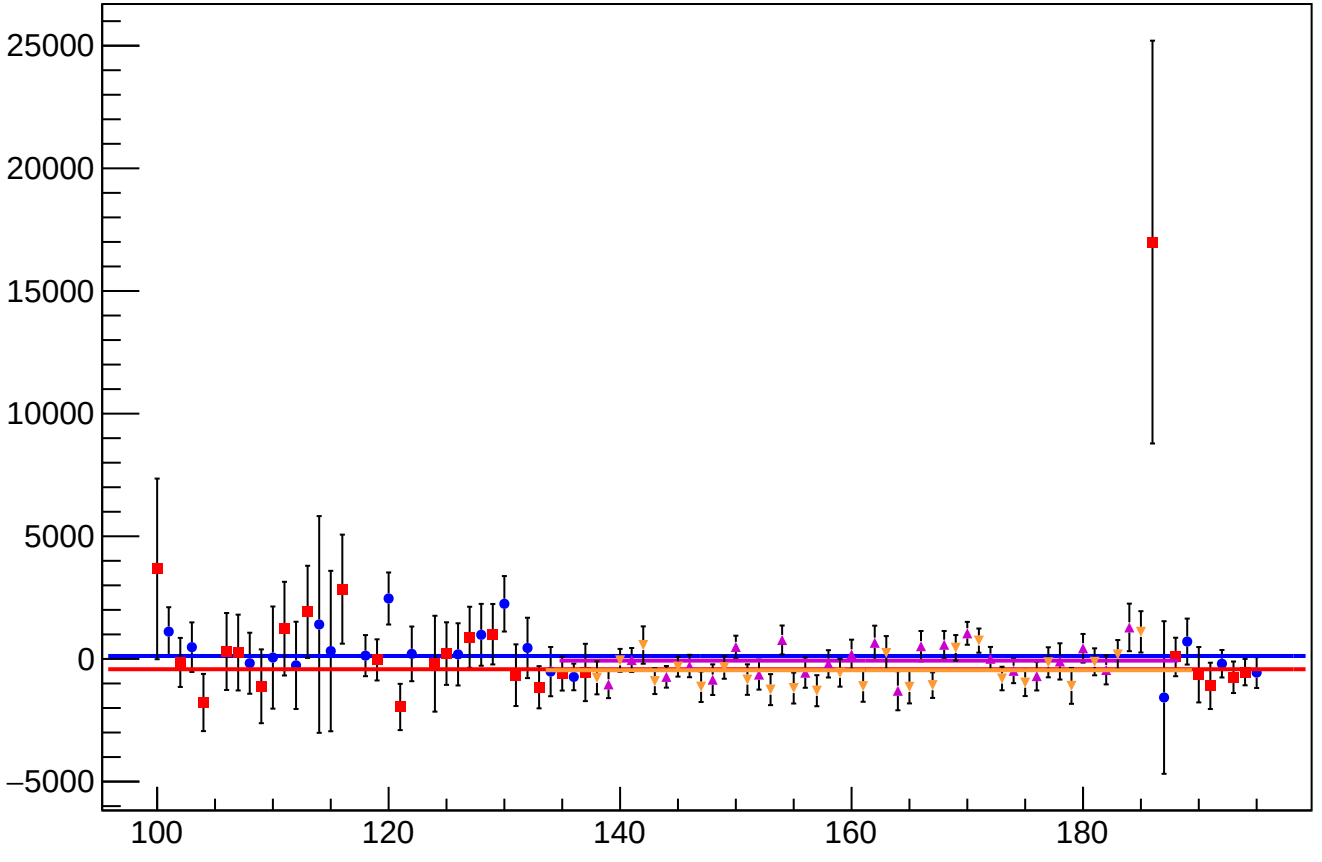
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

\+ sign 548.642+/-0.074 χ^2/NDF: 2752627.6/44

All: 550.258+/-0.052 χ^2/NDF: 6162565.8/92

\- sign 551.898+/-0.074 χ^2/NDF: 3408972.6/47

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: -419.774+/-209.531 χ^2/NDF: 19.9/24

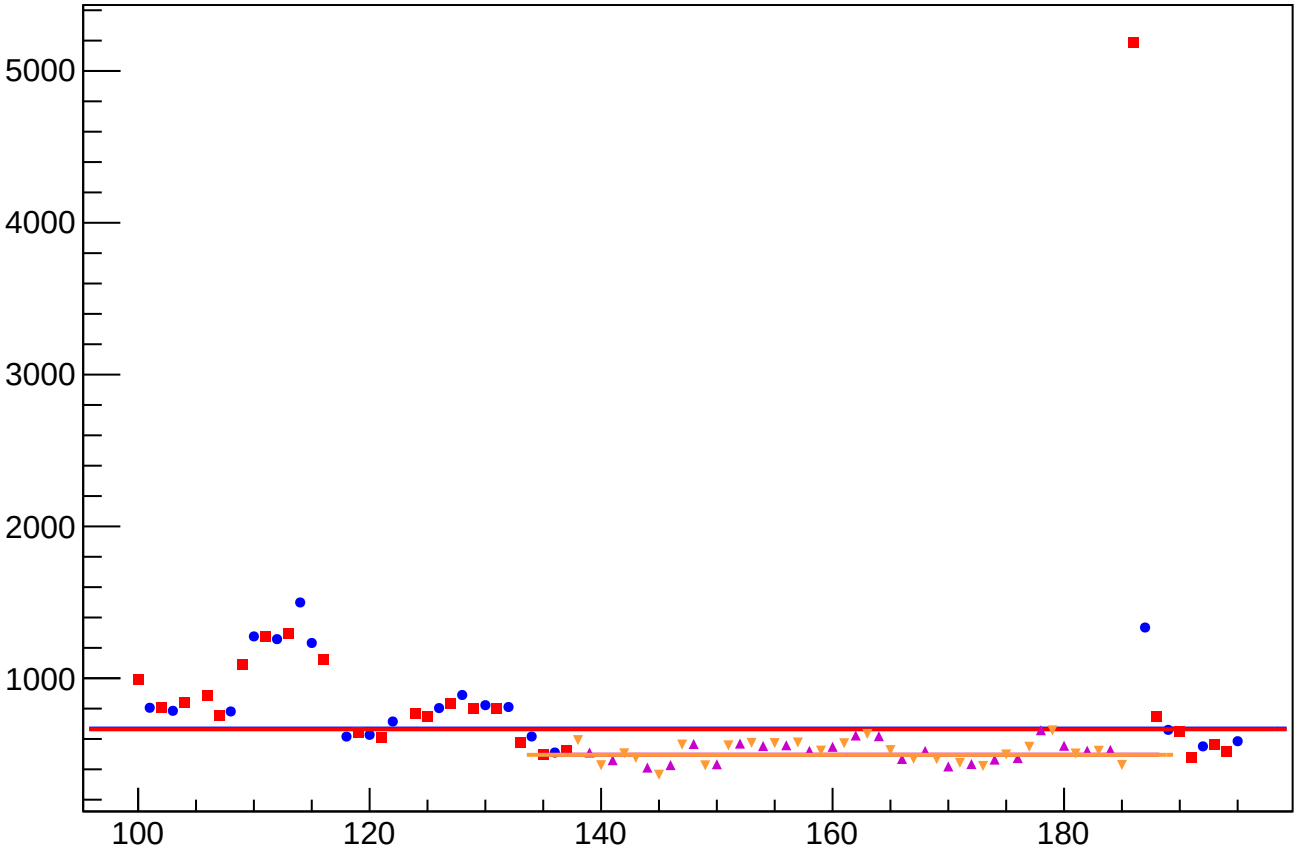
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -337.522+/-101.474 χ^2/NDF: 51.6/44

All: -245.623+/-72.077 χ^2/NDF: 103.9/92

- sign -152.044+/-102.397 χ^2/NDF: 50.7/47

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

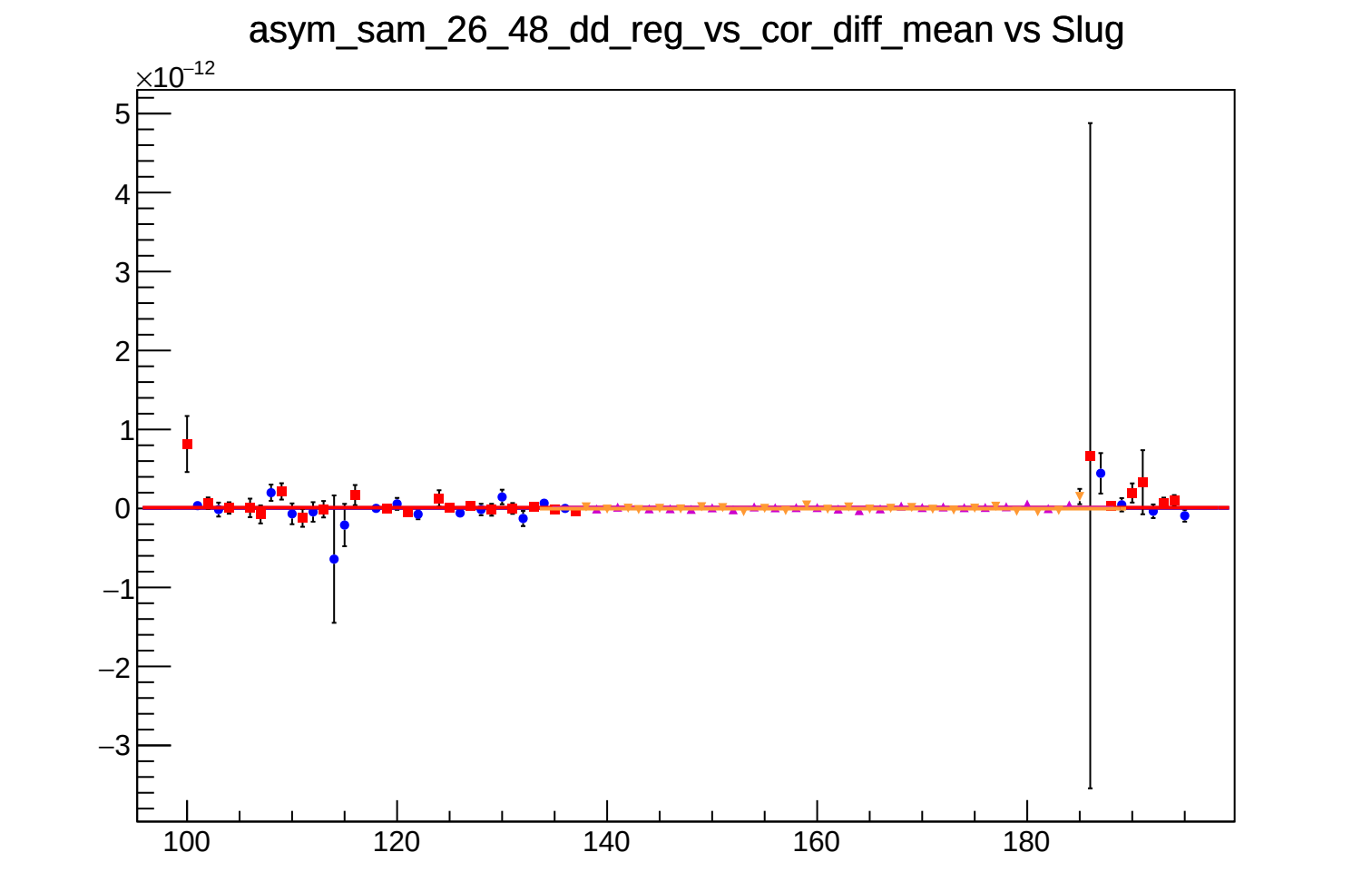
Right Out: 663.646+/-0.148 χ^2/NDF: 2008678.8/24

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 531.975+/-0.072 χ^2/NDF: 2922512.9/44

All: 534.104+/-0.051 χ^2/NDF: 6526308.9/92

- sign 536.272+/-0.072 χ^2/NDF: 3602019.7/47



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

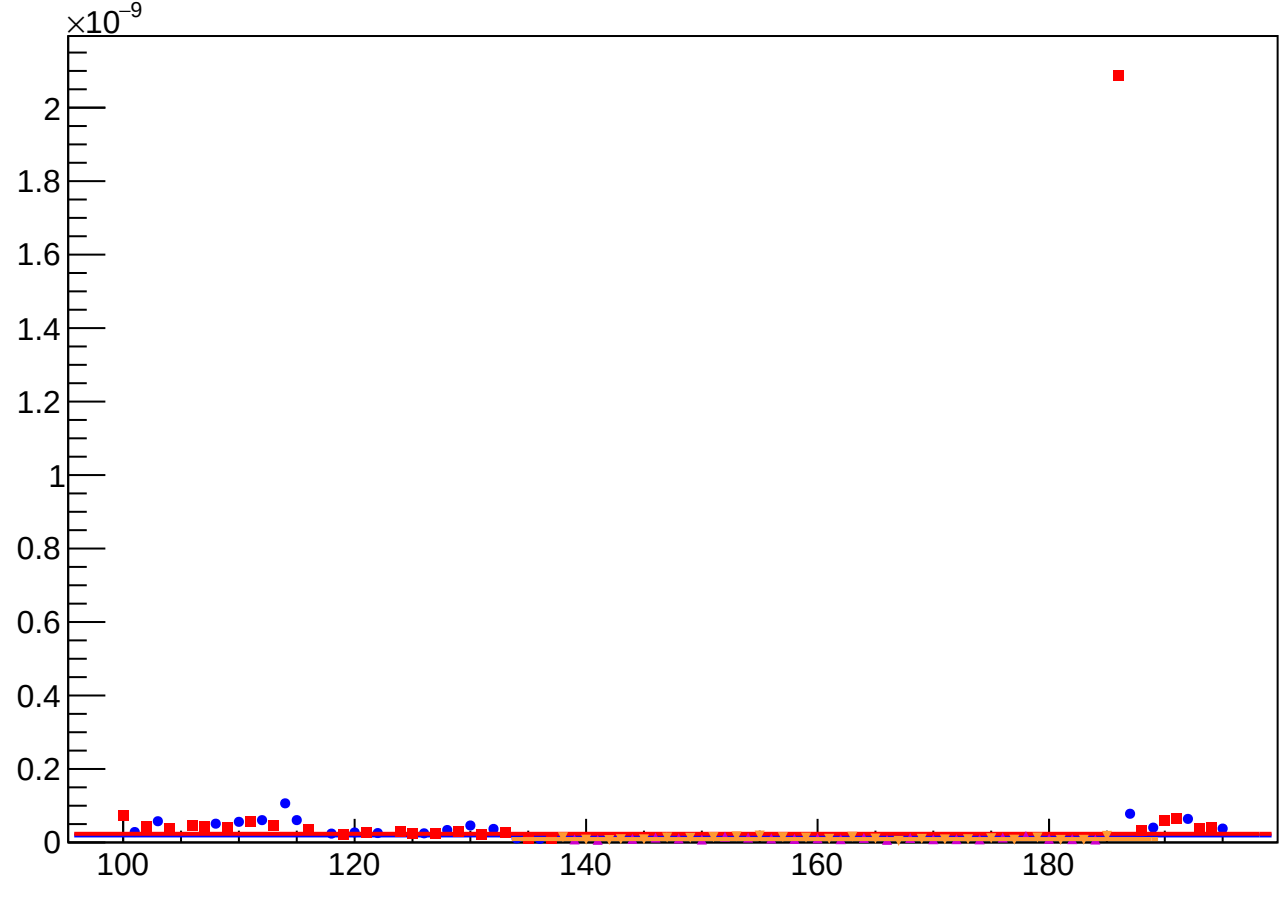
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/24

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: 91.8/92

- sign 0.000+/-0.000 χ^2/NDF: 39.9/47



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: 2675712.0/24

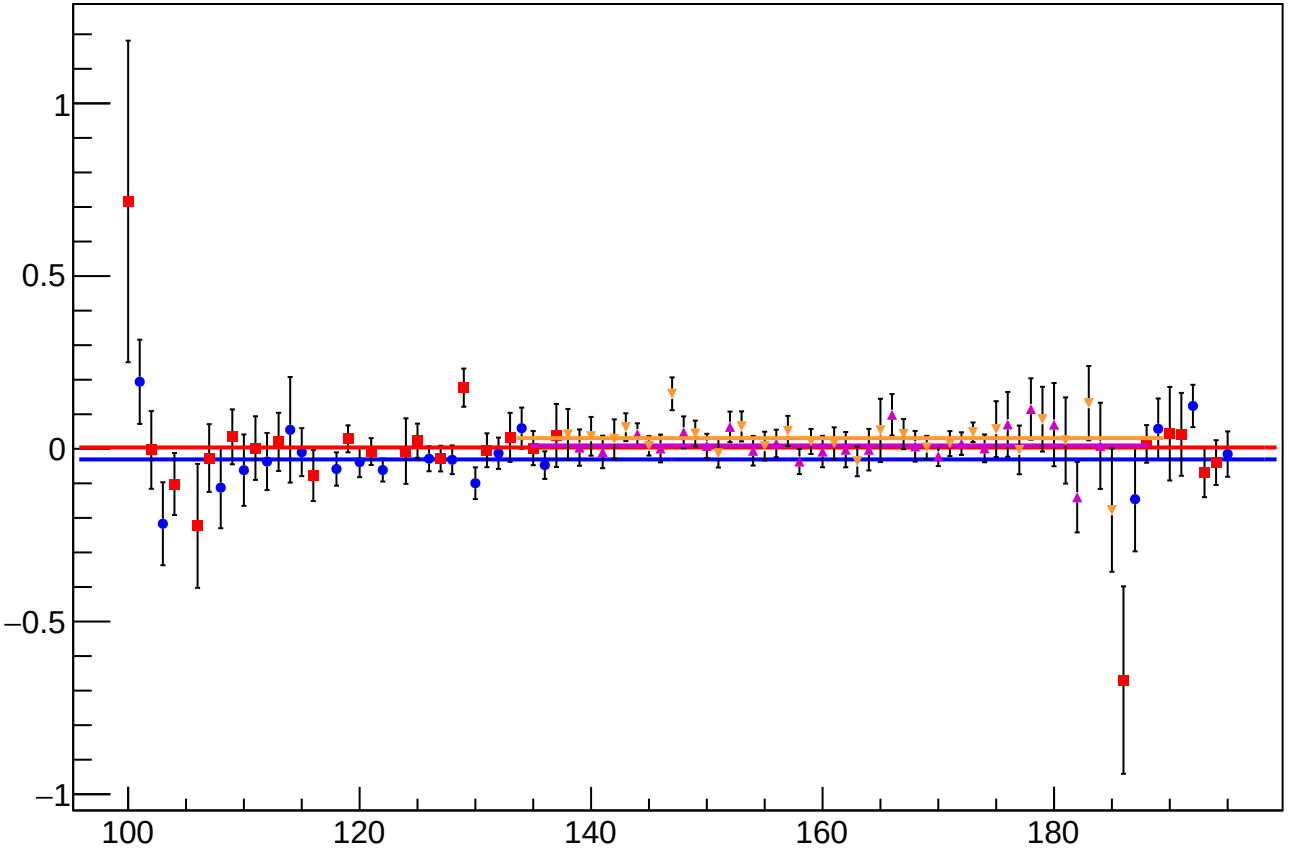
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6565098.2/44

All: 0.000+/-0.000 χ^2/NDF: 12156202.5/92

- sign 0.000+/-0.000 χ^2/NDF: 5538348.6/47

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: 0.004+/-0.013 χ^2/NDF: 26.3/24

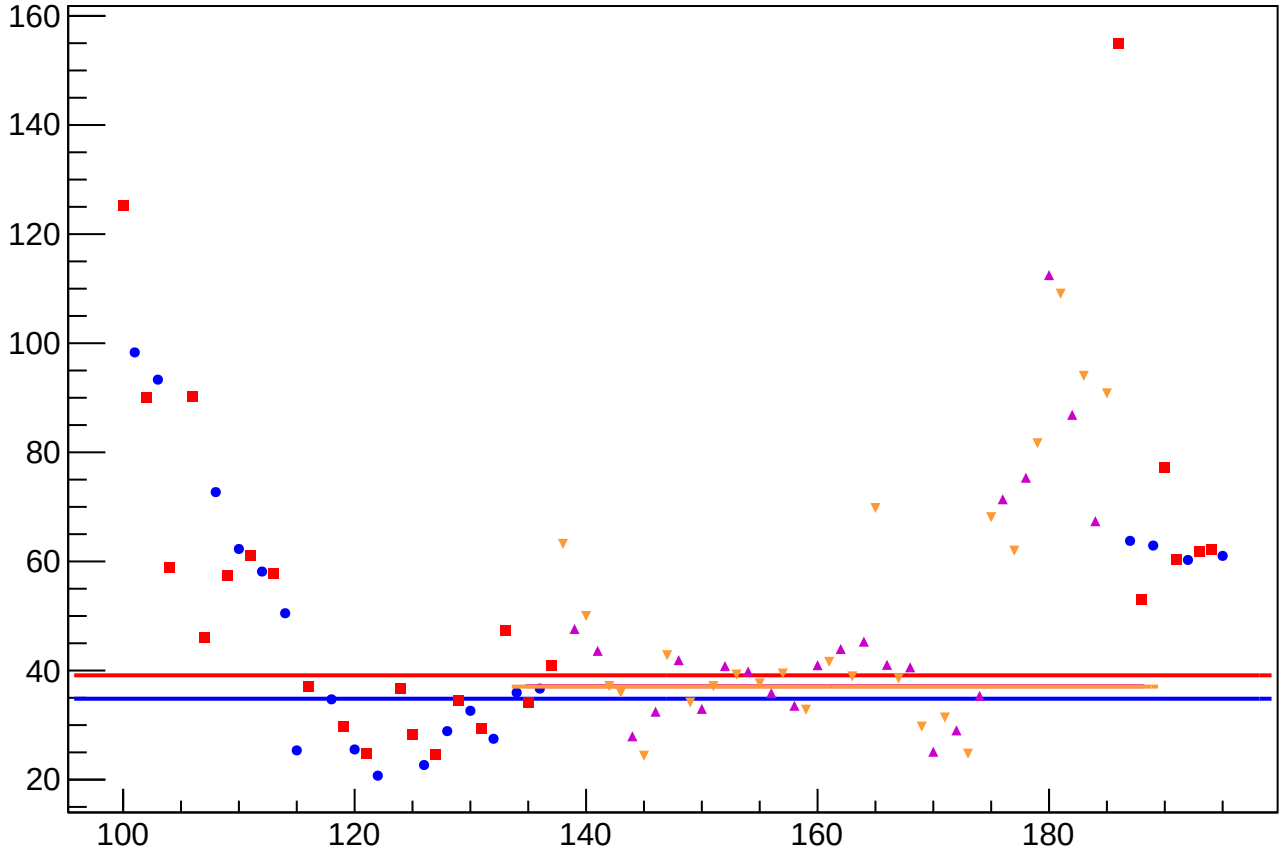
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.009+/-0.005 χ^2/NDF: 94.3/92

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47

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

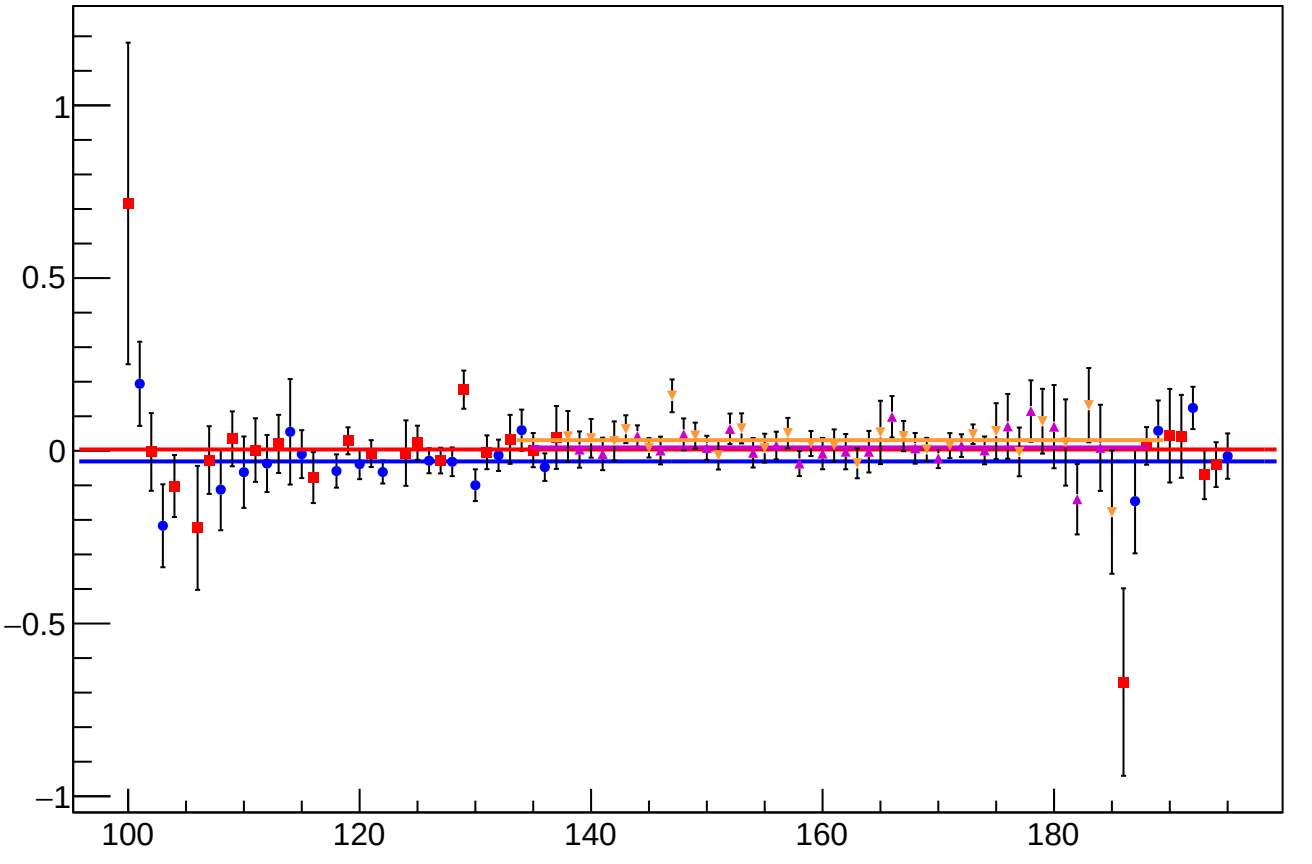
Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398366.6/44

All: 37.019+/-0.004 χ^2/NDF: 13660874.5/92

- sign 37.807+/-0.005 χ^2/NDF: 6220932.1/47



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

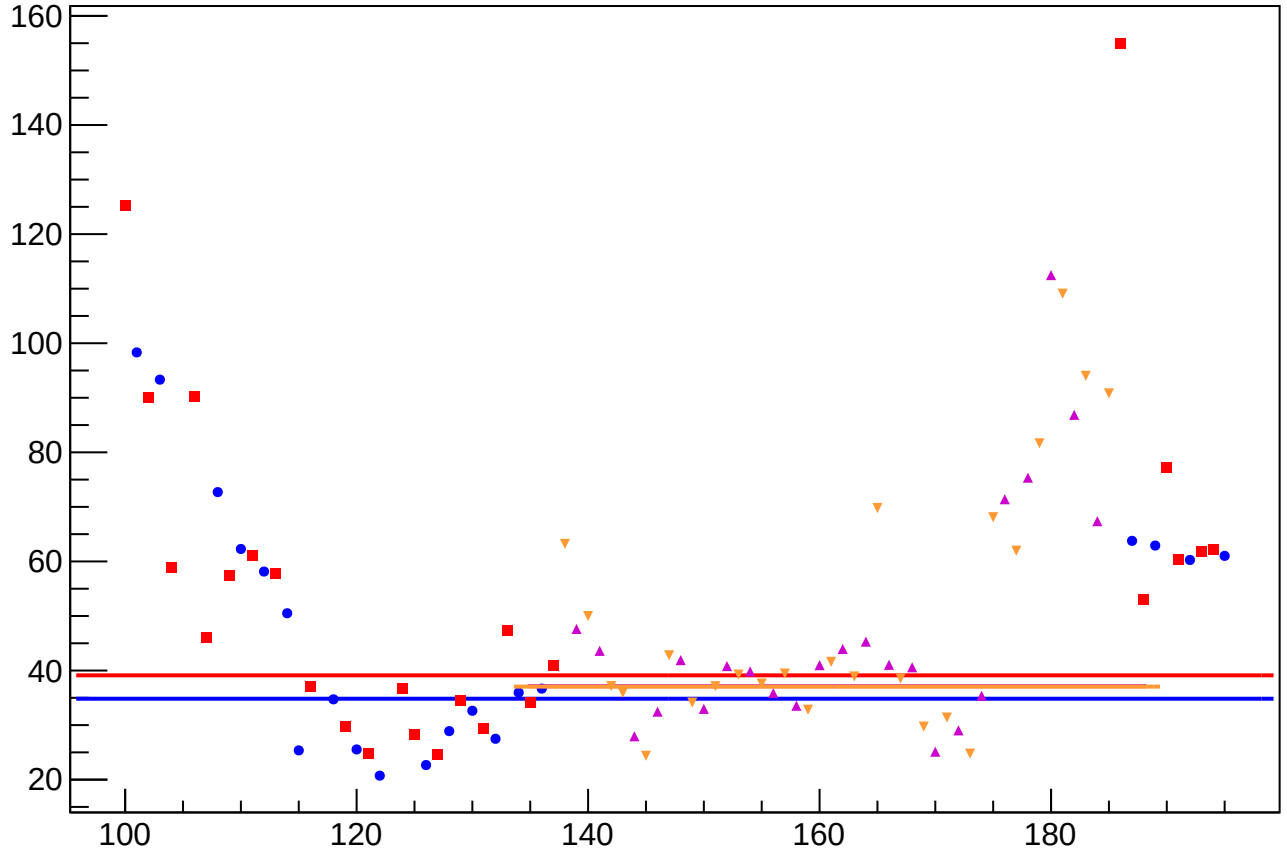
Right Out: 0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.009+/-0.005 χ^2/NDF: 94.3/92

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47



Right In: 34.834+/-0.009 χ^2/NDF: 3303196.3/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

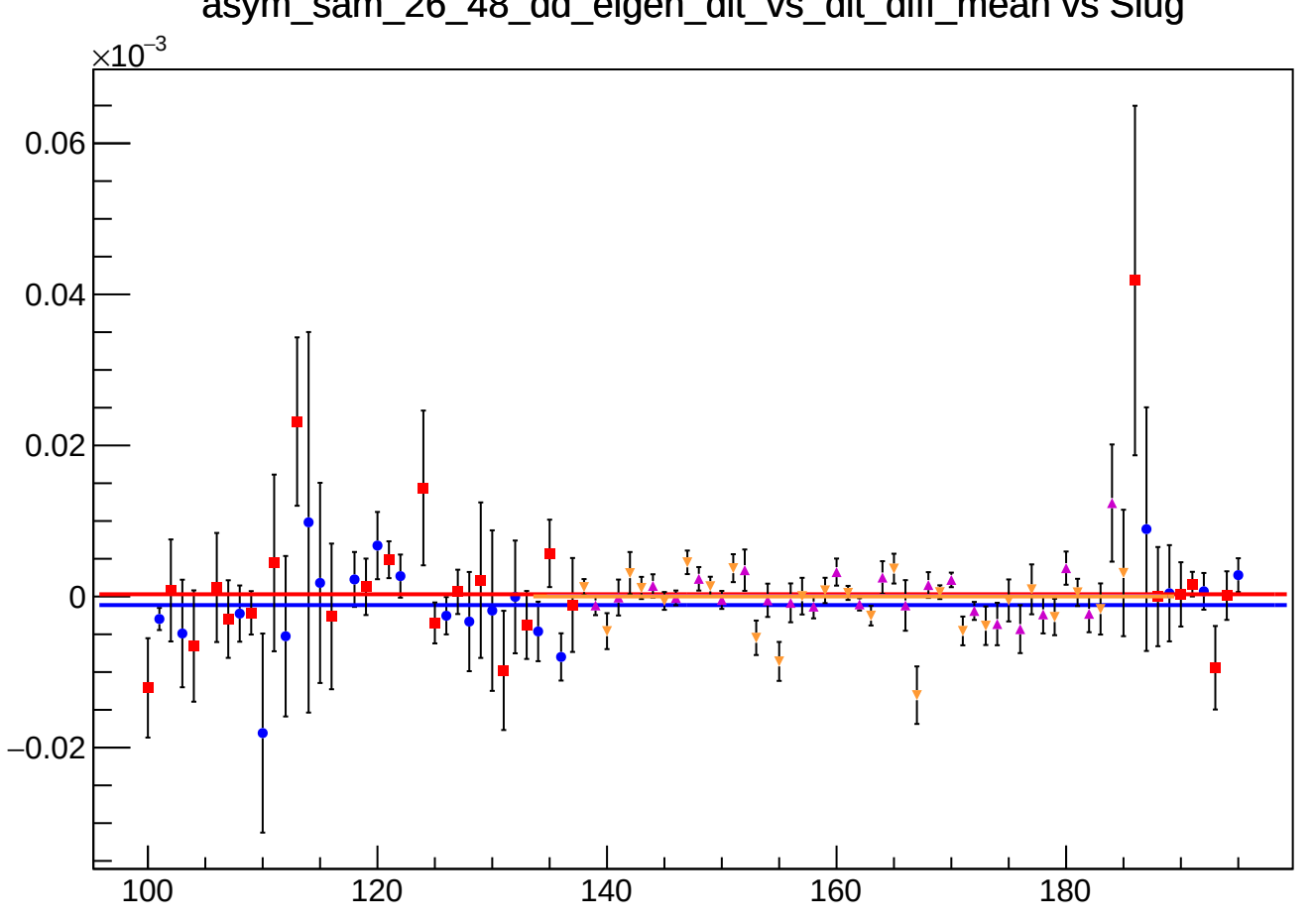
Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398366.6/44

All: 37.019+/-0.004 χ^2/NDF: 13660874.5/92

- sign 37.807+/-0.005 χ^2/NDF: 6220932.1/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

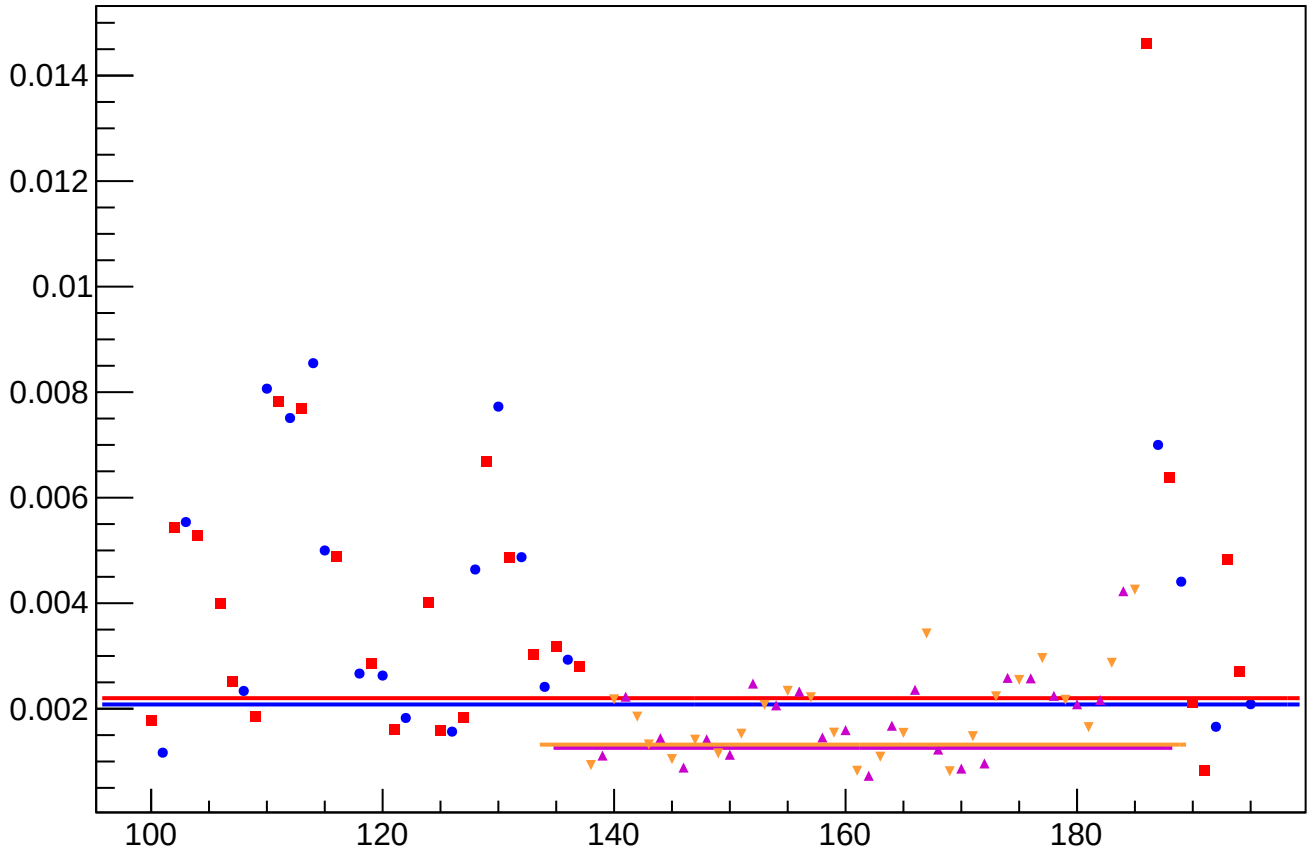
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/24

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: 150.6/92

- sign 0.000+/-0.000 χ^2/NDF: 60.7/47



Right In: 0.002+/-0.000 χ^2/NDF: 4430243.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

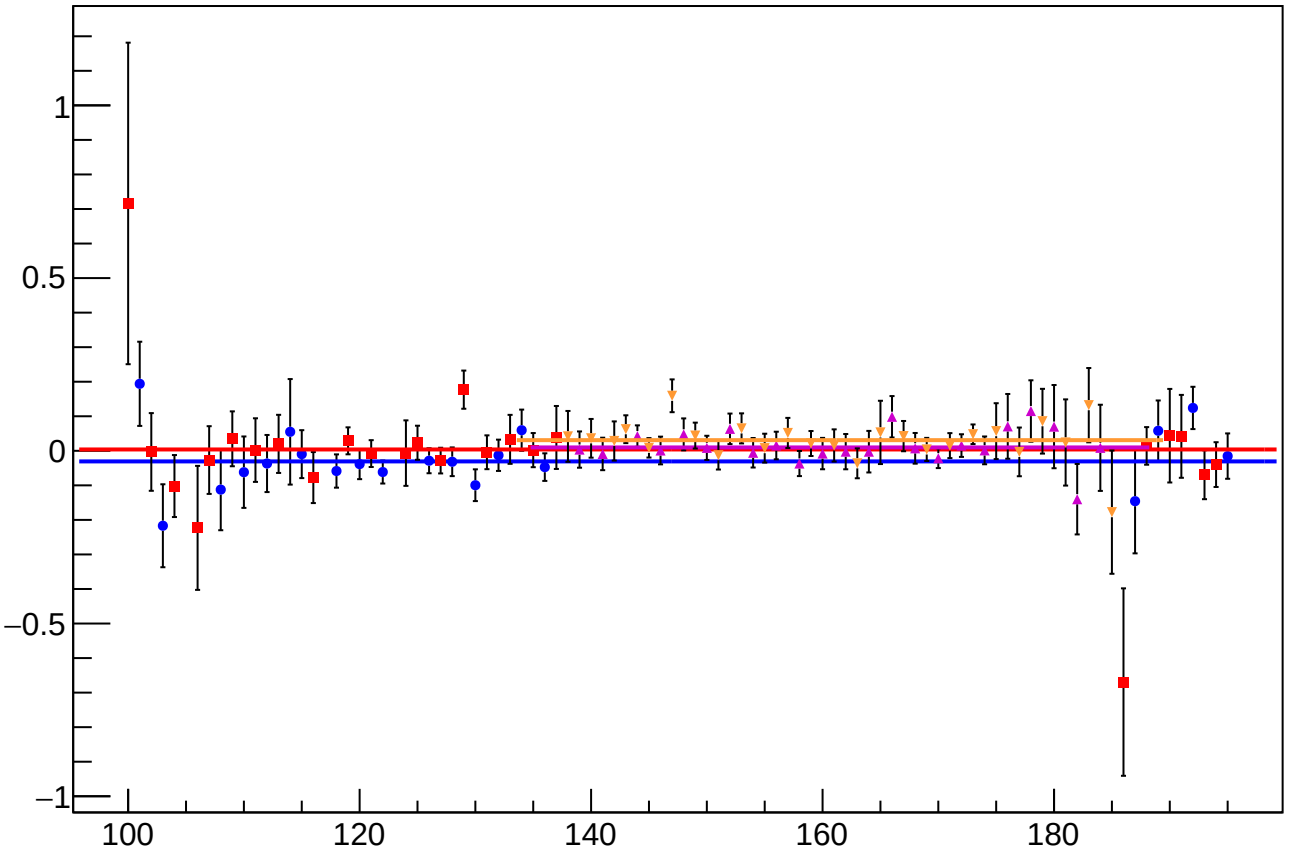
Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.5/24

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: 25891328.2/92

- sign 0.001+/-0.000 χ^2/NDF: 14225879.9/47



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: 0.004+/-0.013 χ^2/NDF: 26.3/24

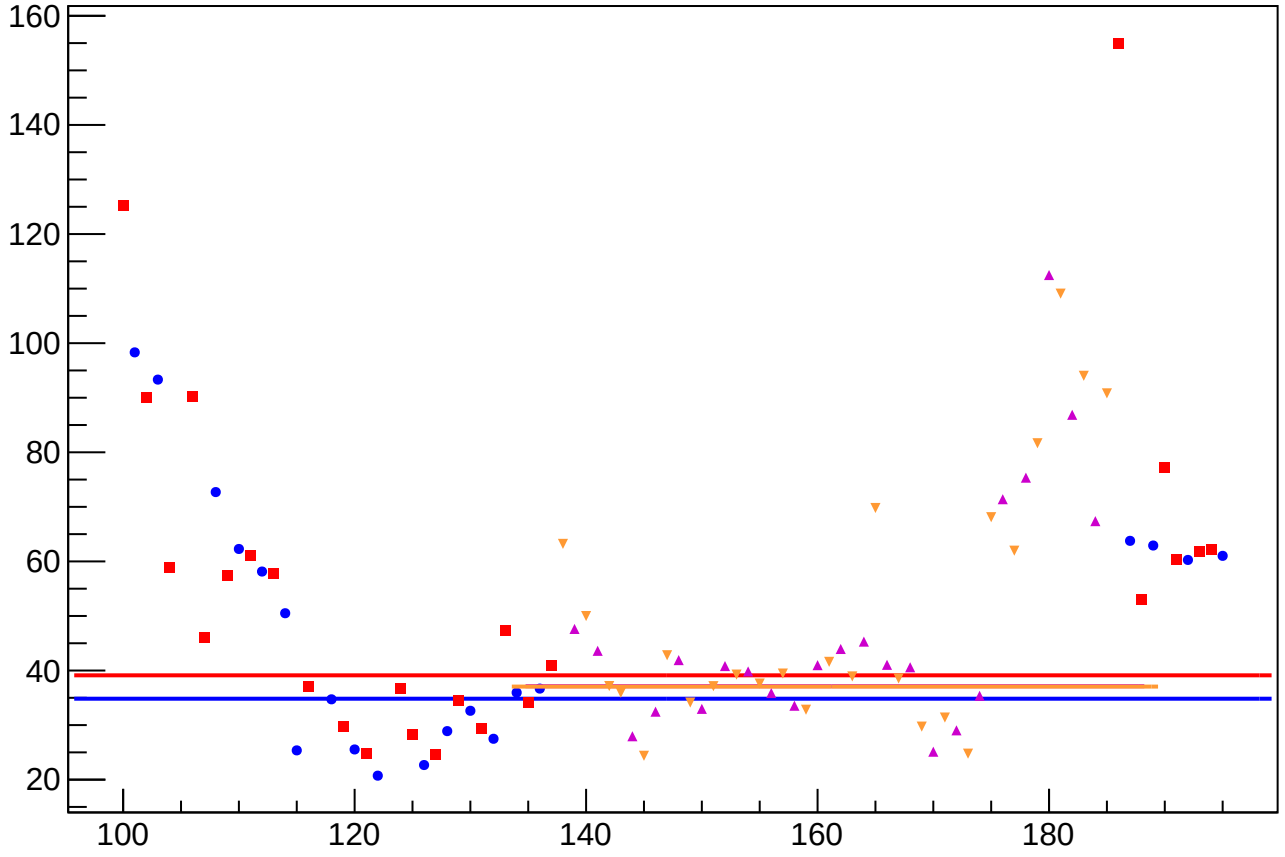
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.009+/-0.005 χ^2/NDF: 94.3/92

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

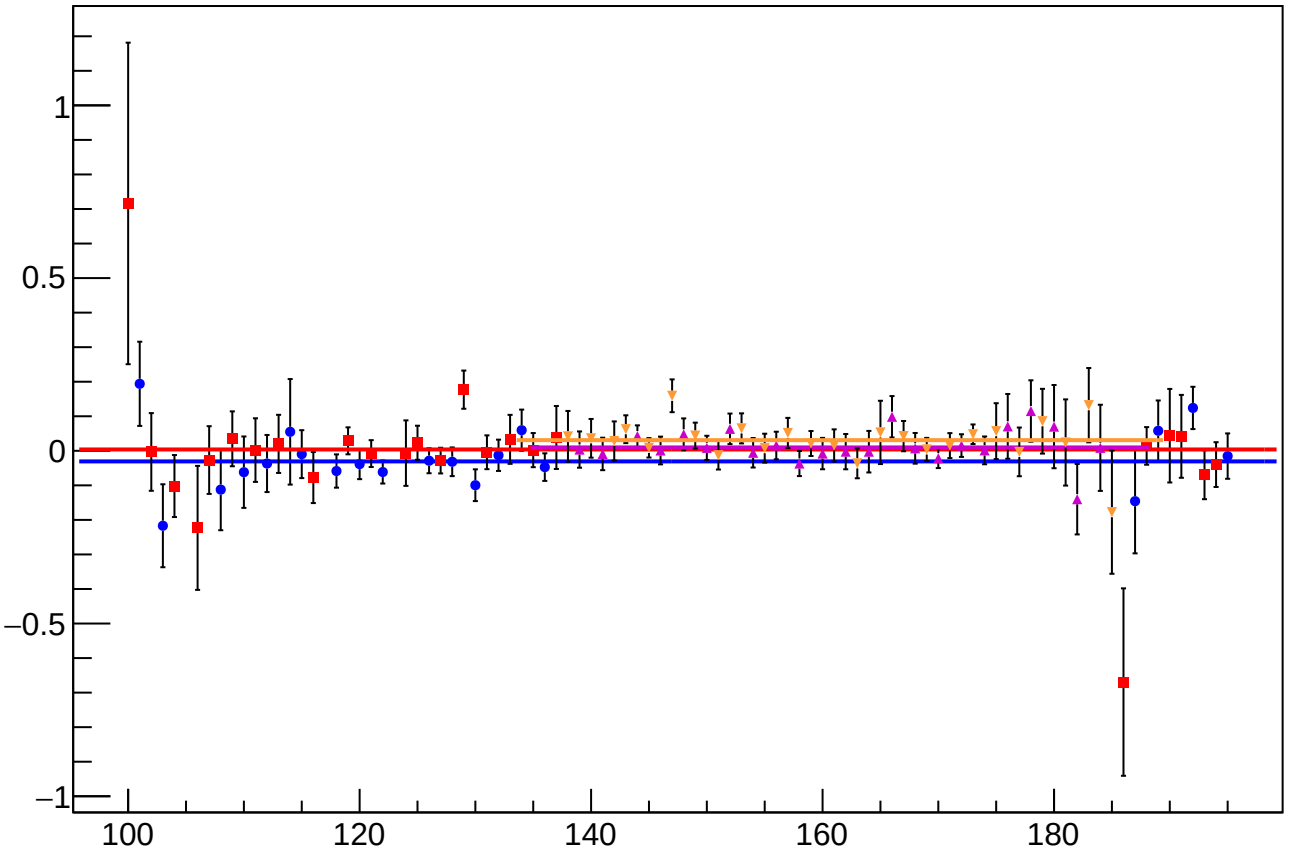
Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398318.1/44

All: 37.019+/-0.004 χ^2/NDF: 13660651.1/92

- sign 37.808+/-0.005 χ^2/NDF: 6220757.4/47



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

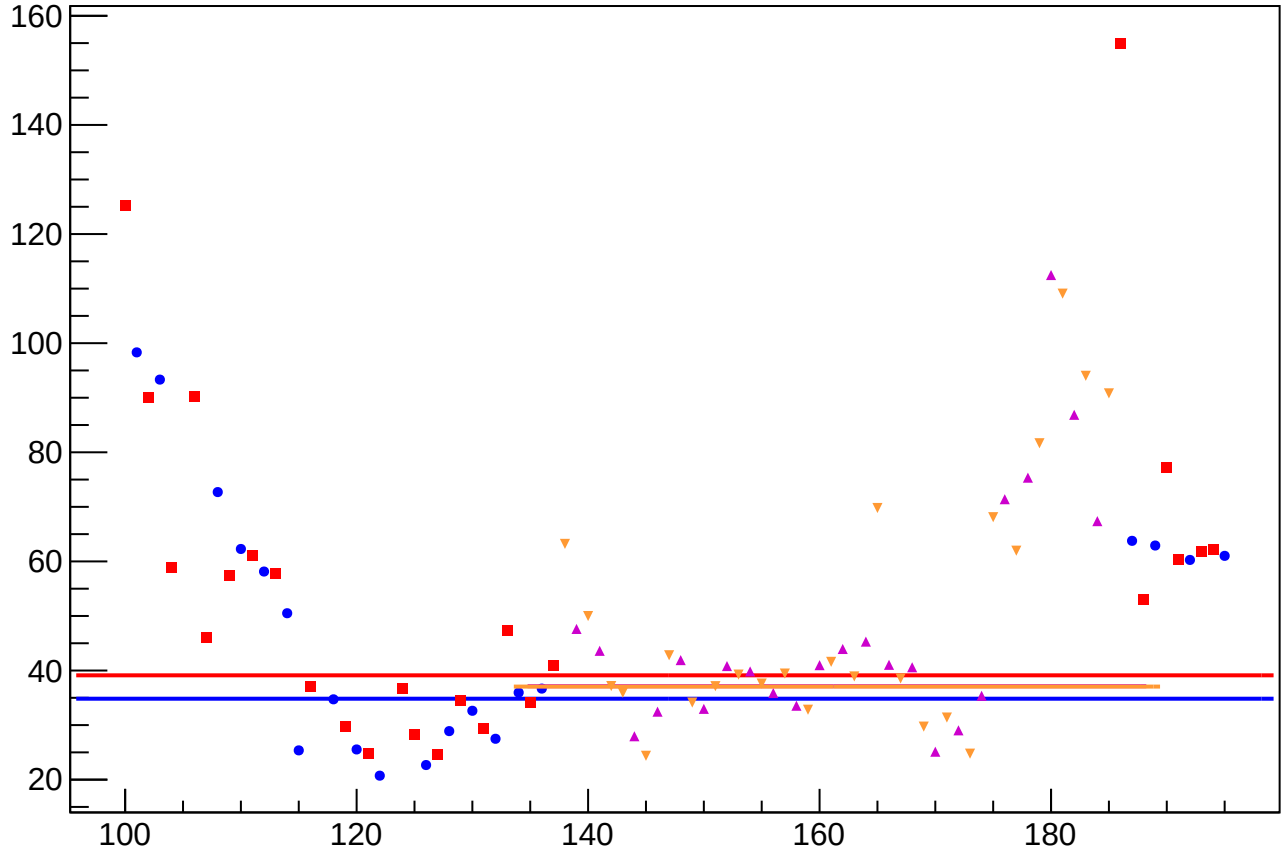
Right Out: 0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.009+/-0.007 χ^2/NDF: 54.6/44

All: 0.009+/-0.005 χ^2/NDF: 94.3/92

\- sign 0.008+/-0.008 χ^2/NDF: 39.7/47



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

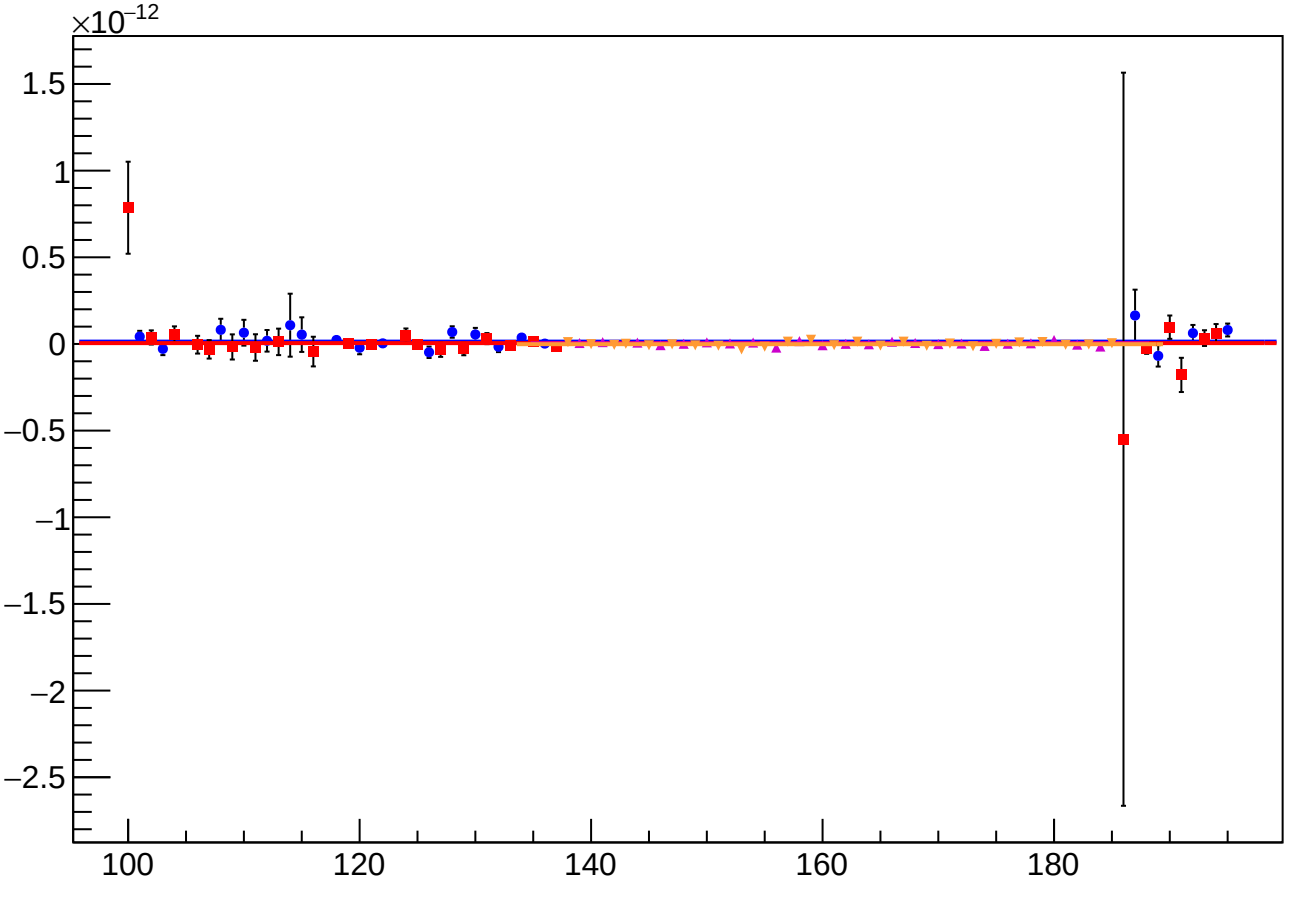
Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.281+/-0.005 χ^2/NDF: 7398318.1/44

All: 37.019+/-0.004 χ^2/NDF: 13660651.1/92

- sign 37.808+/-0.005 χ^2/NDF: 6220757.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

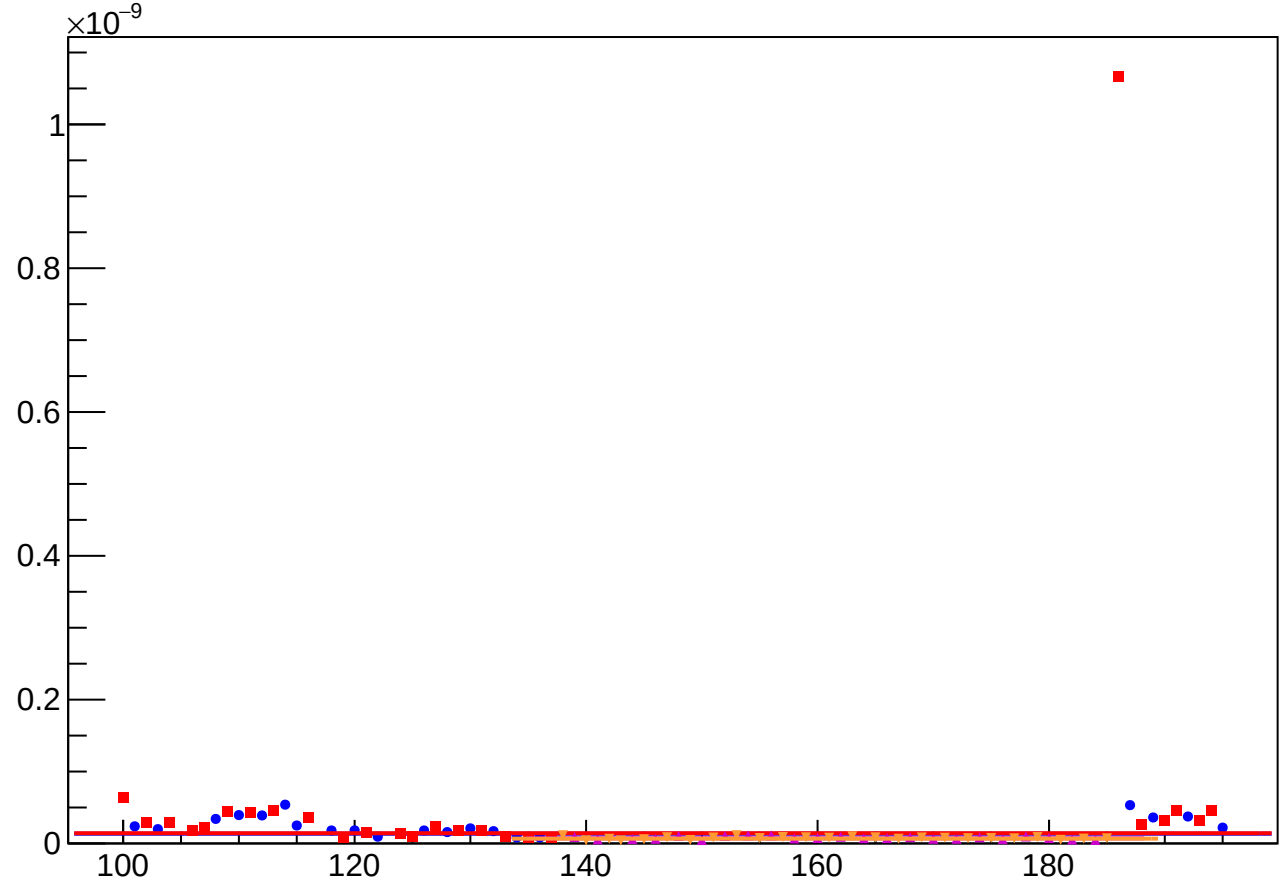
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/24

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: 102.4/92

- sign 0.000+/-0.000 χ^2/NDF: 45.6/47



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: 4898188.9/24

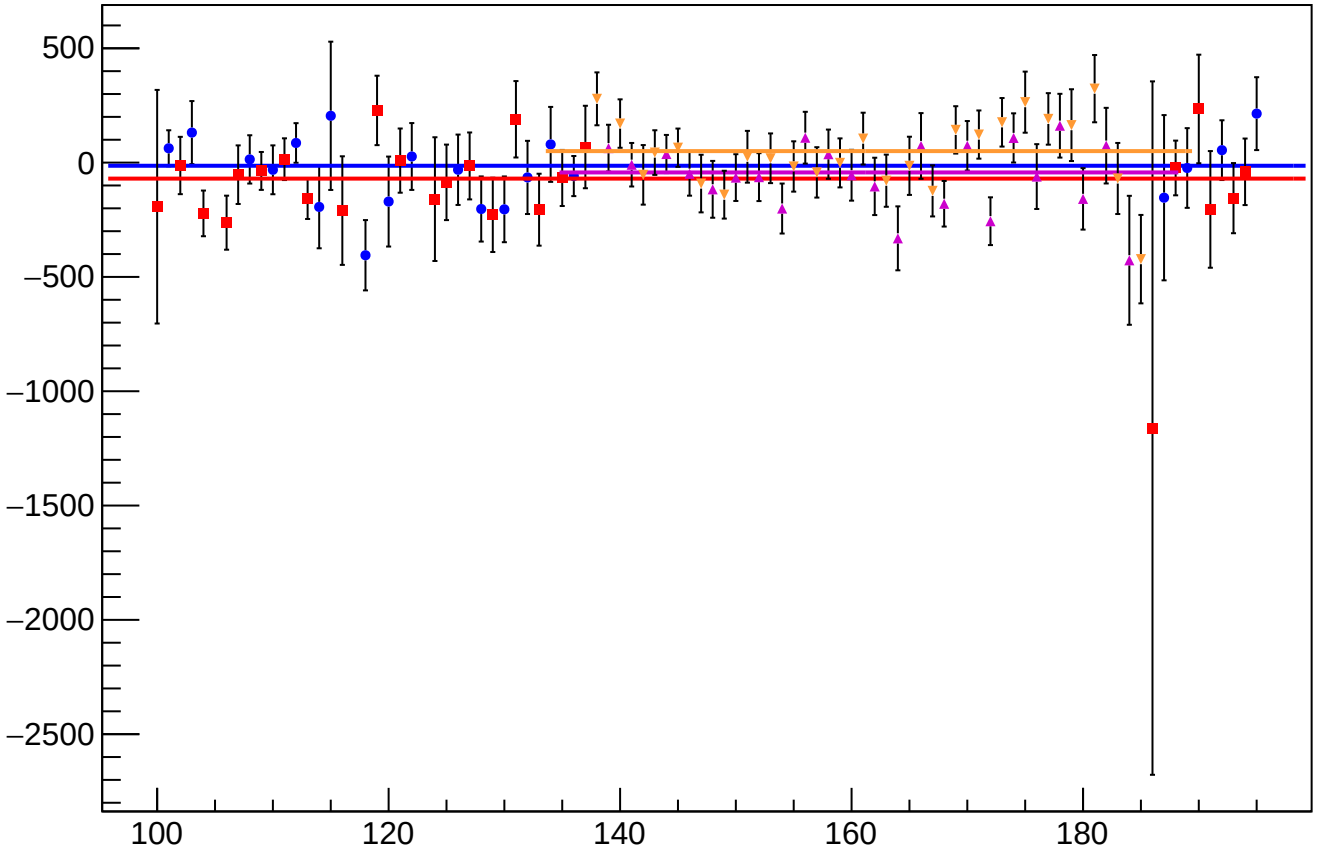
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7411958.6/44

All: 0.000+/-0.000 χ^2/NDF: 16082174.9/92

- sign 0.000+/-0.000 χ^2/NDF: 8601989.8/47

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: -69.979+/-27.639 χ^2/NDF: 19.8/24

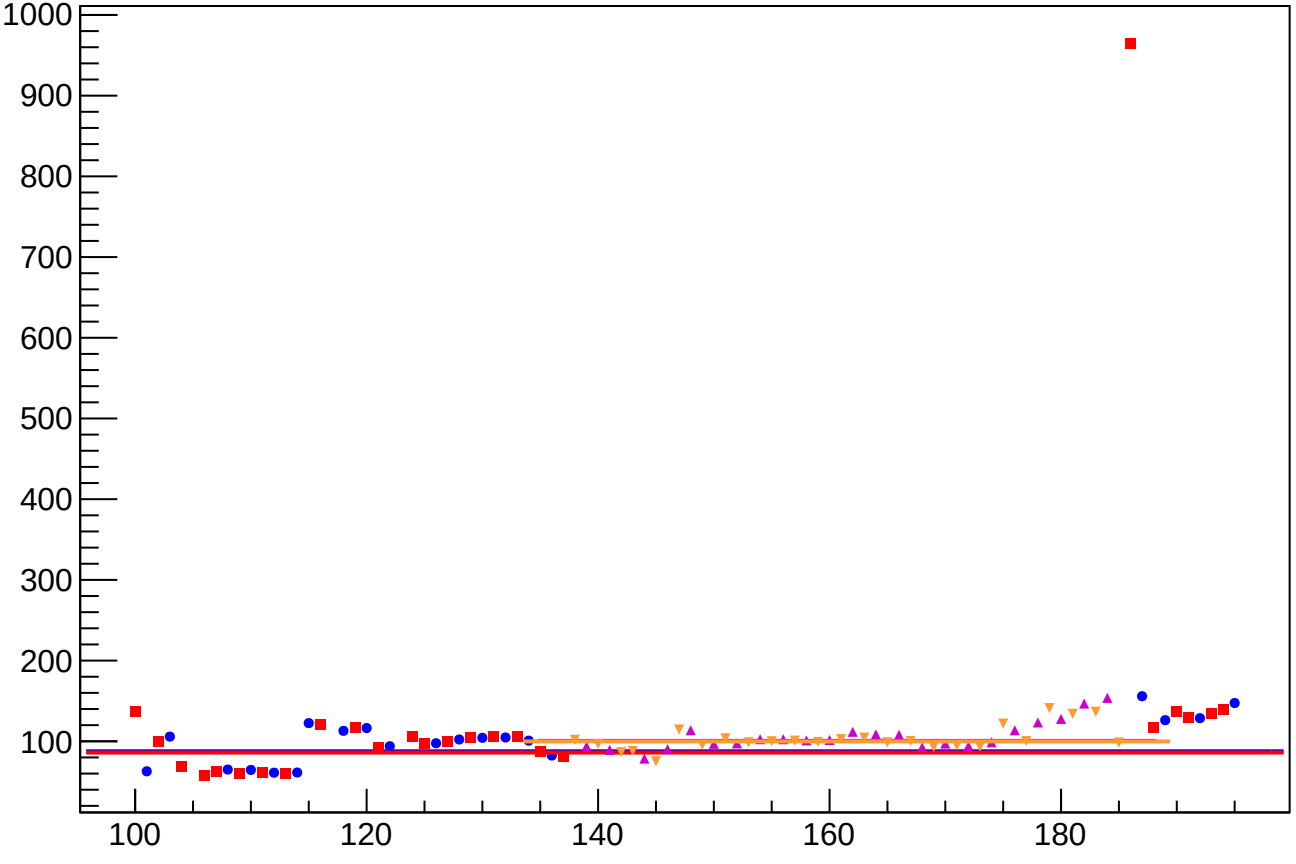
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.945+/-18.074 χ^2/NDF: 55.2/44

All: -14.395+/-12.760 χ^2/NDF: 112.1/92

- sign -54.479+/-18.017 χ^2/NDF: 46.9/47

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: 86.045+/-0.020 χ^2/NDF: 2483135.6/24

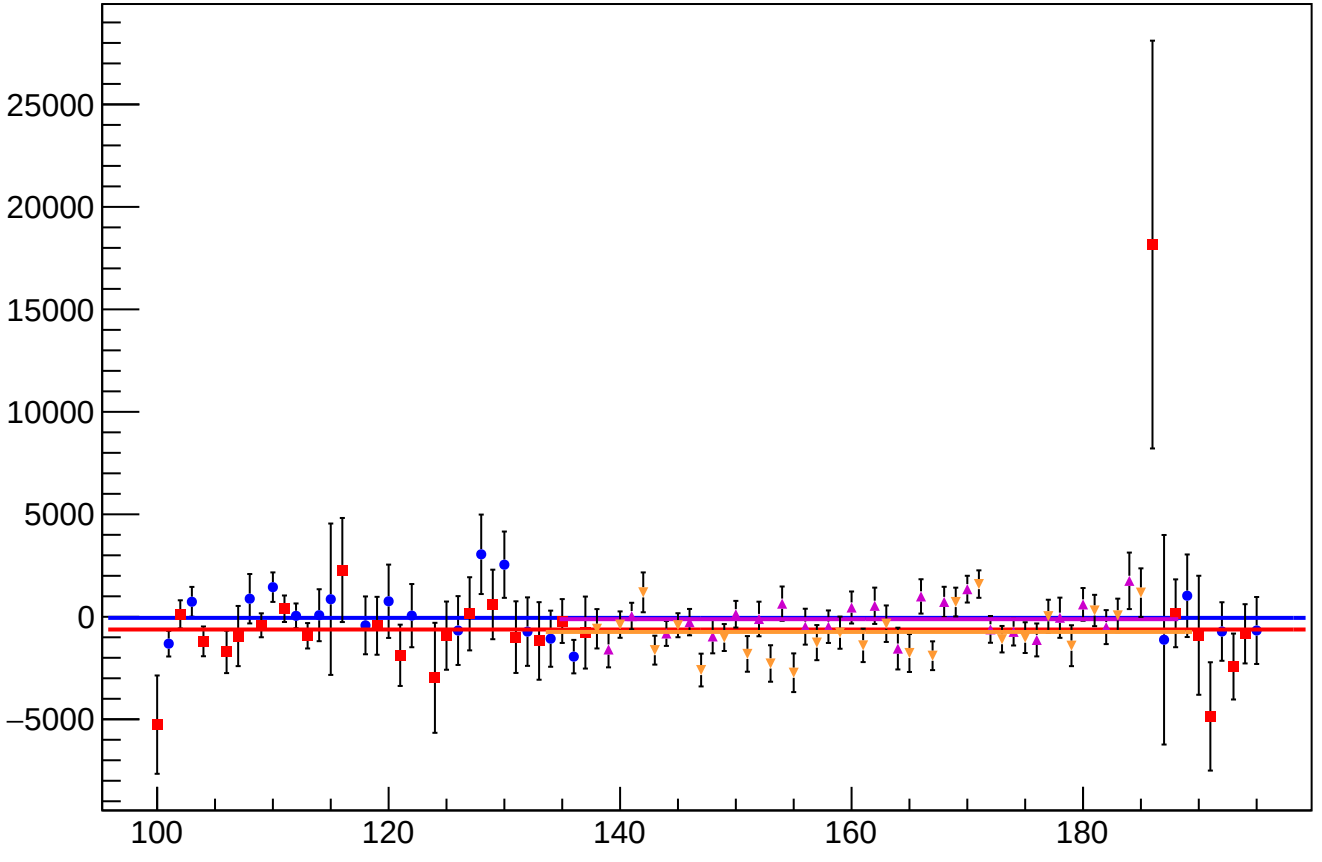
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.185+/-0.013 χ^2/NDF: 2433628.3/44

All: 94.770+/-0.009 χ^2/NDF: 5890241.9/92

- sign 94.356+/-0.013 χ^2/NDF: 3454502.7/47

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: -619.596+/-228.911 χ^2/NDF: 21.0/24

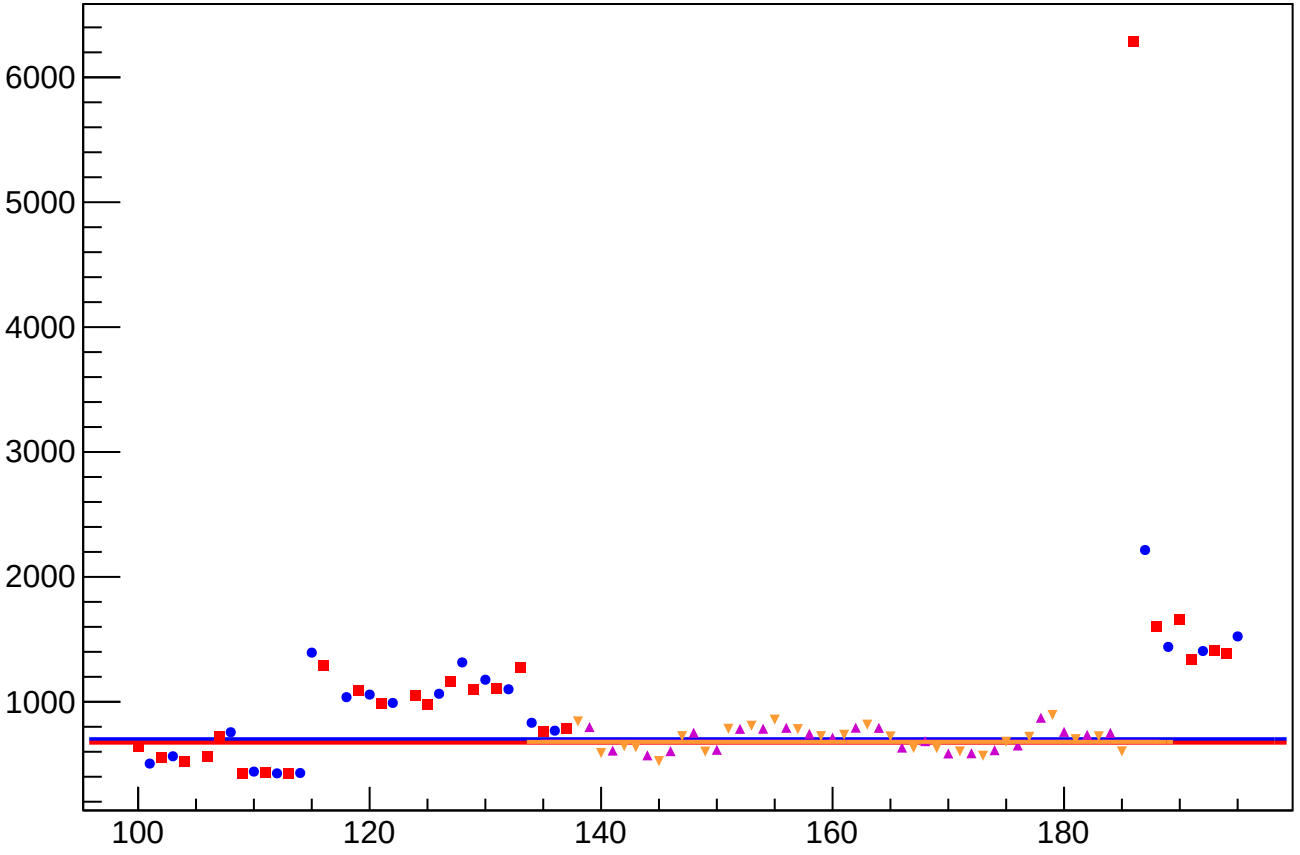
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.041+/-132.201 χ^2/NDF: 77.7/44

All: -412.217+/-93.297 χ^2/NDF: 127.7/92

- sign -282.413+/-131.685 χ^2/NDF: 48.0/47

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: 672.870+/-0.162 χ^2/NDF: 4775019.6/24

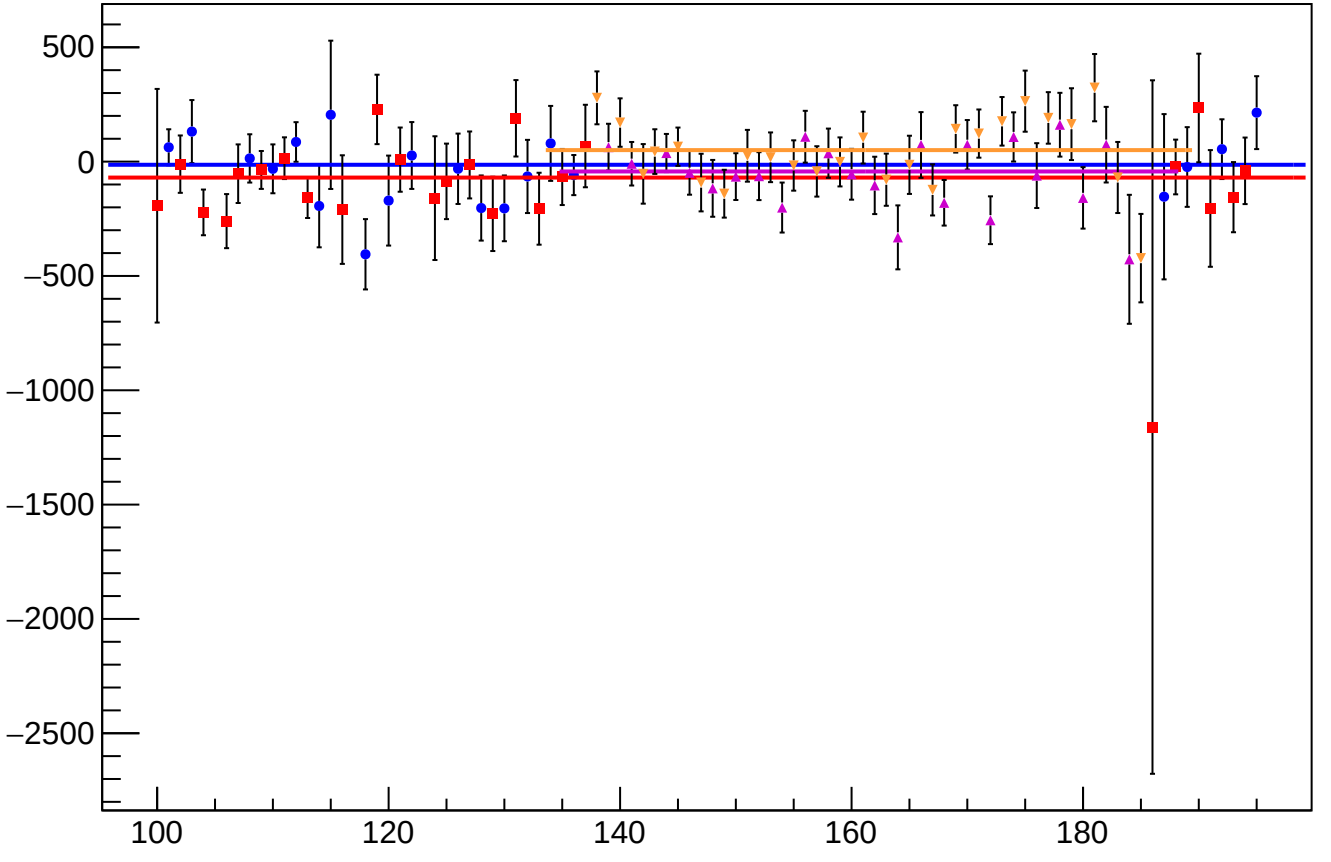
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 685.250+/-0.093 χ^2/NDF: 4169986.1/44

All: 682.066+/-0.066 χ^2/NDF: 9523207.9/92

- sign 678.907+/-0.093 χ^2/NDF: 5350911.1/47

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: -69.752+/-27.640 χ^2/NDF: 19.7/24

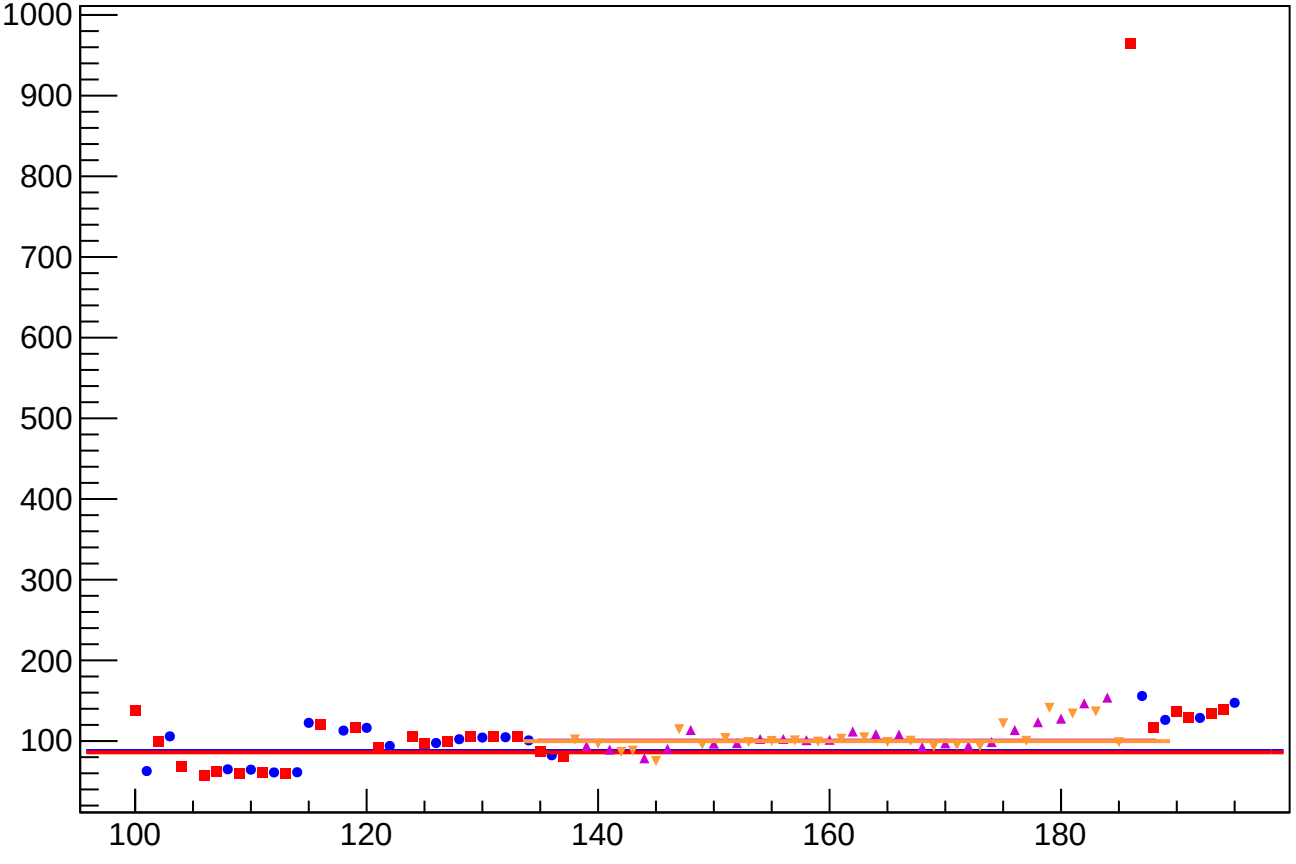
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.950+/-18.074 χ^2/NDF: 55.2/44

All: -14.343+/-12.760 χ^2/NDF: 112.0/92

- sign -54.382+/-18.017 χ^2/NDF: 46.8/47

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: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

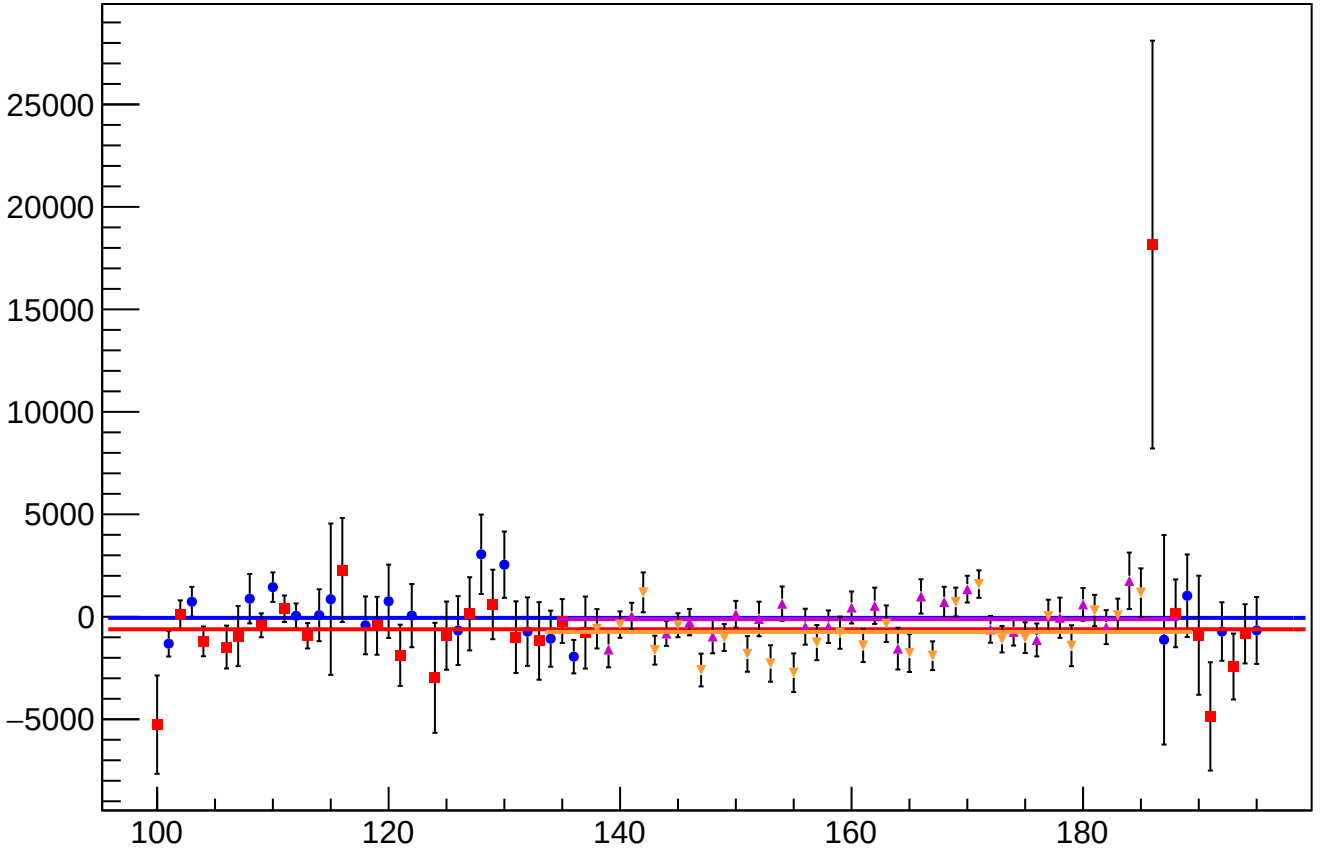
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.185+/-0.013 χ^2/NDF: 2433629.5/44

All: 94.767+/-0.009 χ^2/NDF: 5893678.6/92

- sign 94.350+/-0.013 χ^2/NDF: 3457907.3/47

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: -607.737+/-229.042 χ^2/NDF: 20.6/24

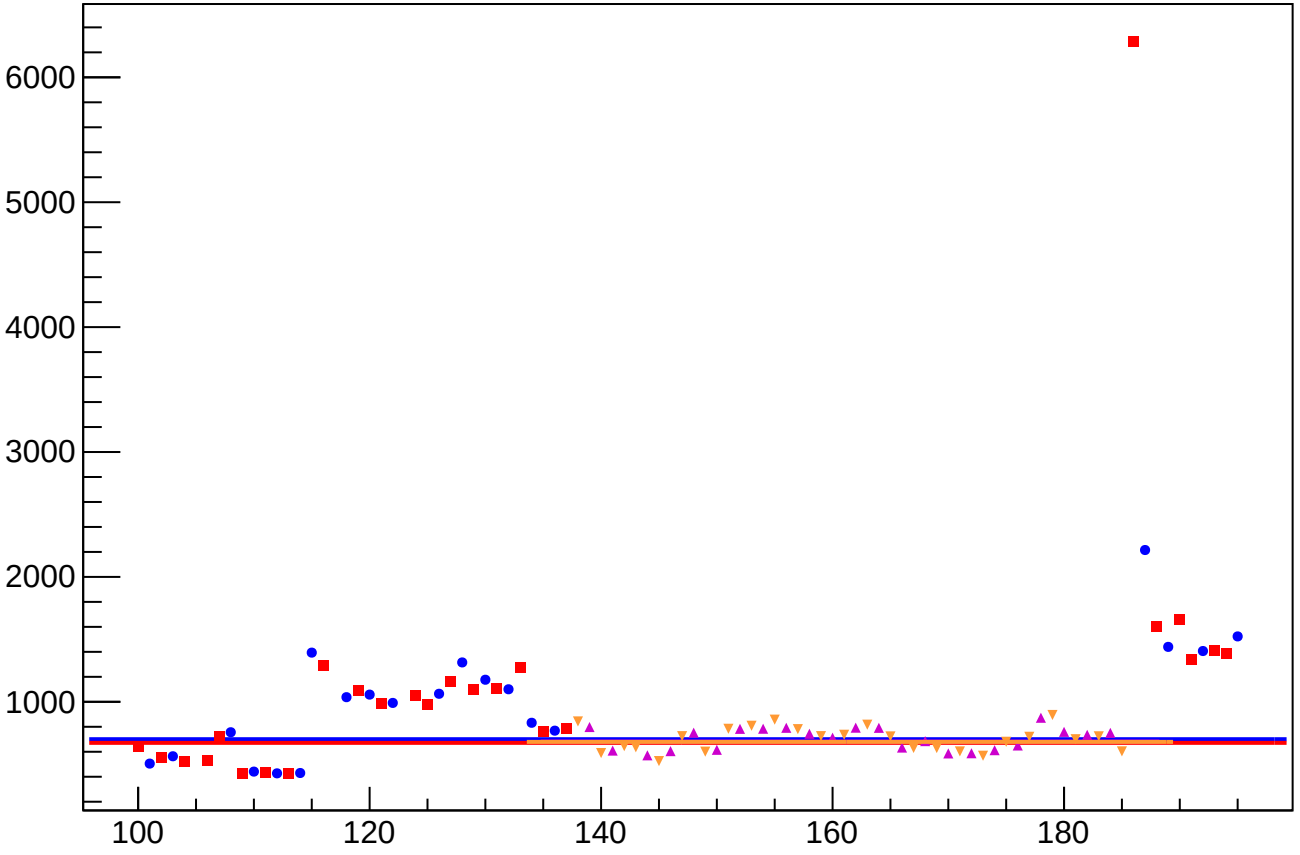
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.043+/-132.201 χ^2/NDF: 77.7/44

All: -410.210+/-93.306 χ^2/NDF: 127.1/92

- sign -278.364+/-131.709 χ^2/NDF: 47.4/47

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: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

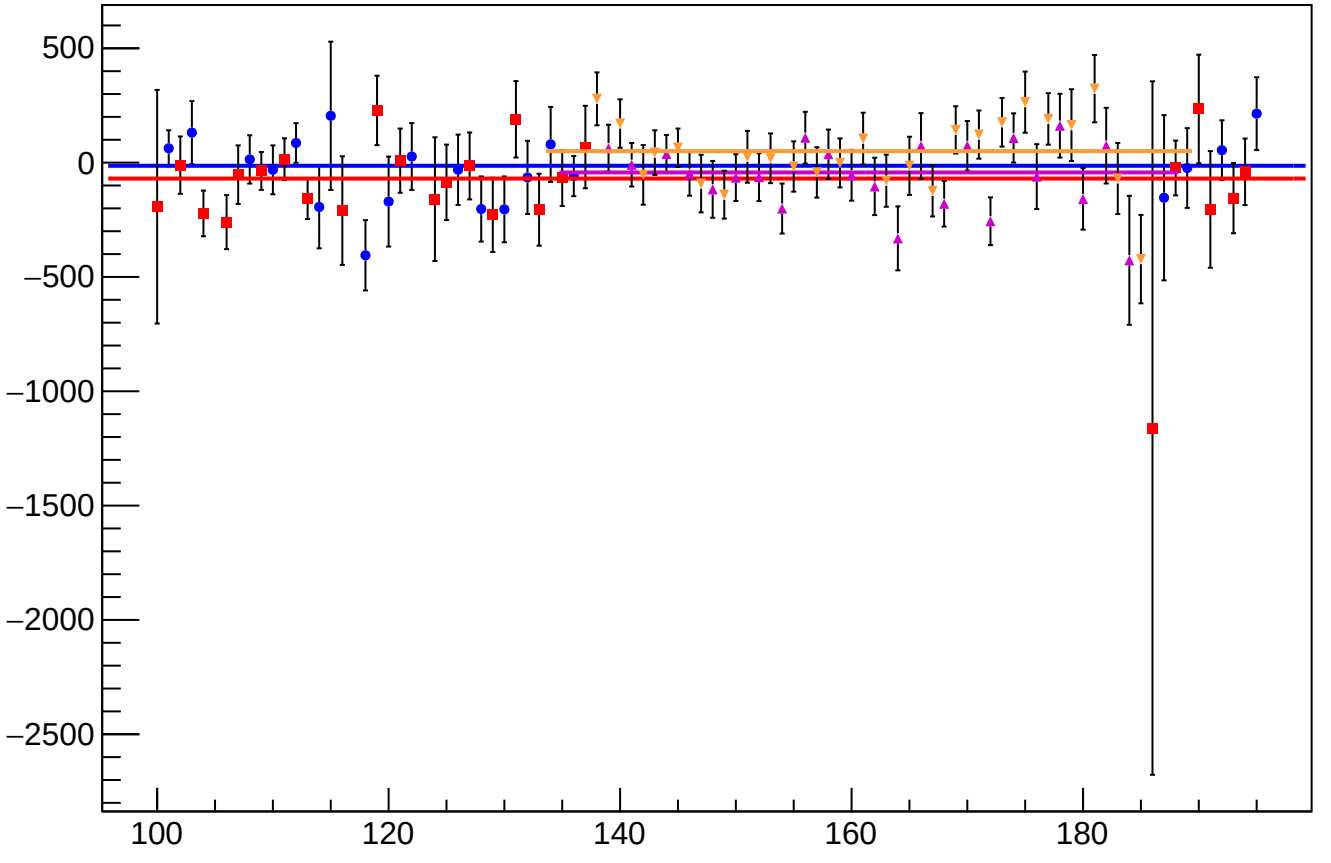
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 685.252+/-0.093 χ^2/NDF: 4169919.6/44

All: 681.826+/-0.066 χ^2/NDF: 9539241.8/92

- sign 678.425+/-0.093 χ^2/NDF: 5366645.1/47

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: -69.752+/-27.640 χ^2/NDF: 19.7/24

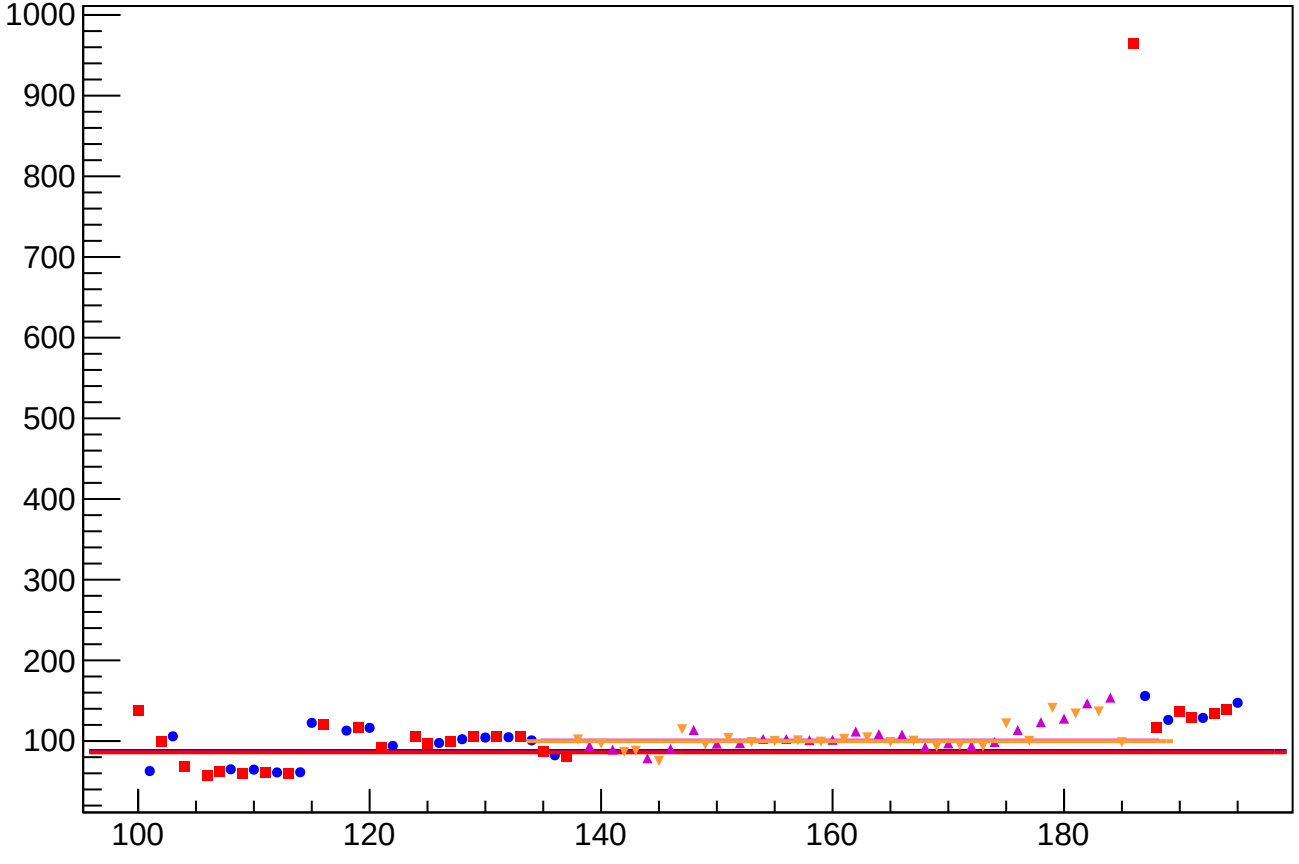
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.950+/-18.074 χ^2/NDF: 55.2/44

All: -14.343+/-12.760 χ^2/NDF: 112.0/92

- sign -54.382+/-18.017 χ^2/NDF: 46.8/47

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

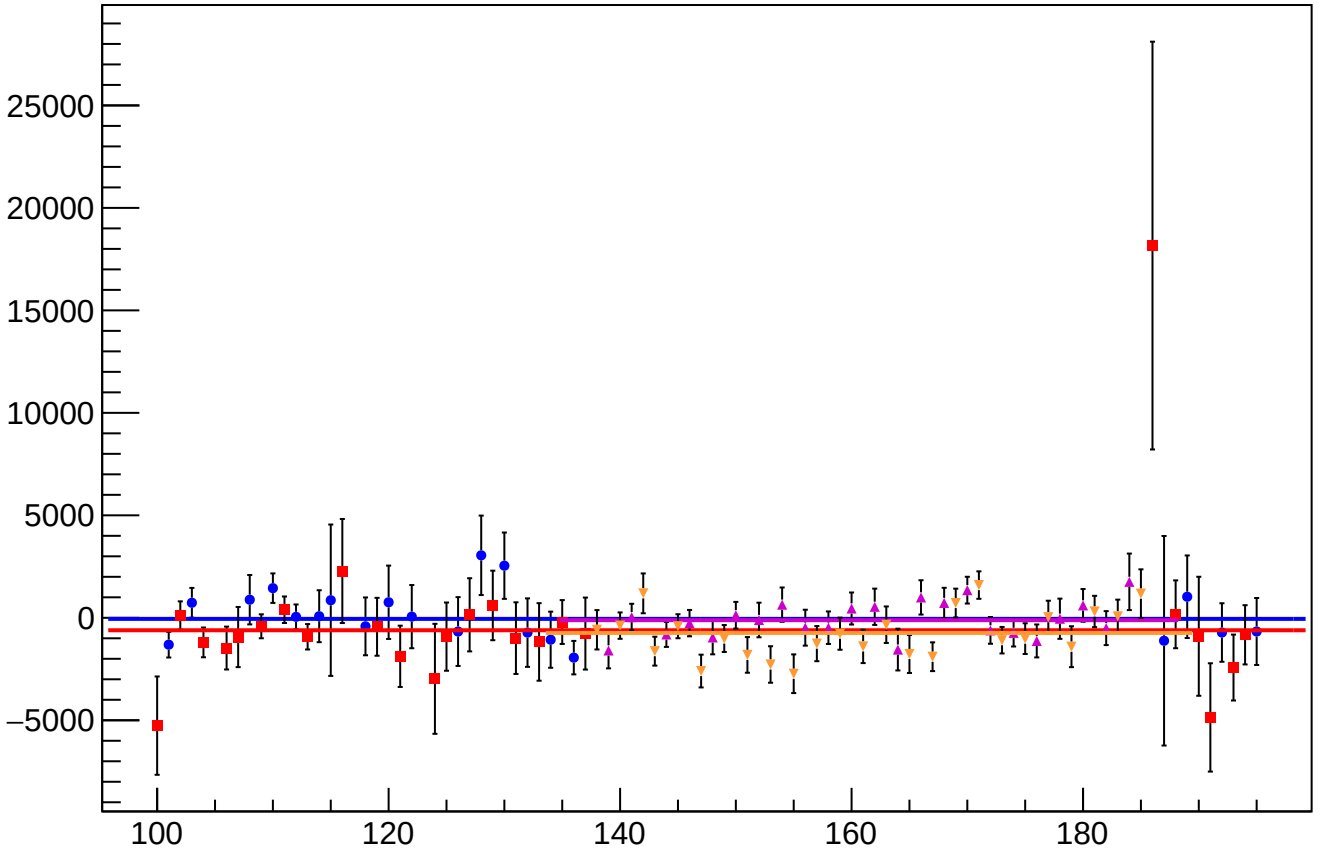
Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.185+/-0.013 χ^2/NDF: 2433629.5/44

All: 94.767+/-0.009 χ^2/NDF: 5893678.6/92

- sign 94.350+/-0.013 χ^2/NDF: 3457907.3/47



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: -607.737+/-229.042 χ^2/NDF: 20.6/24

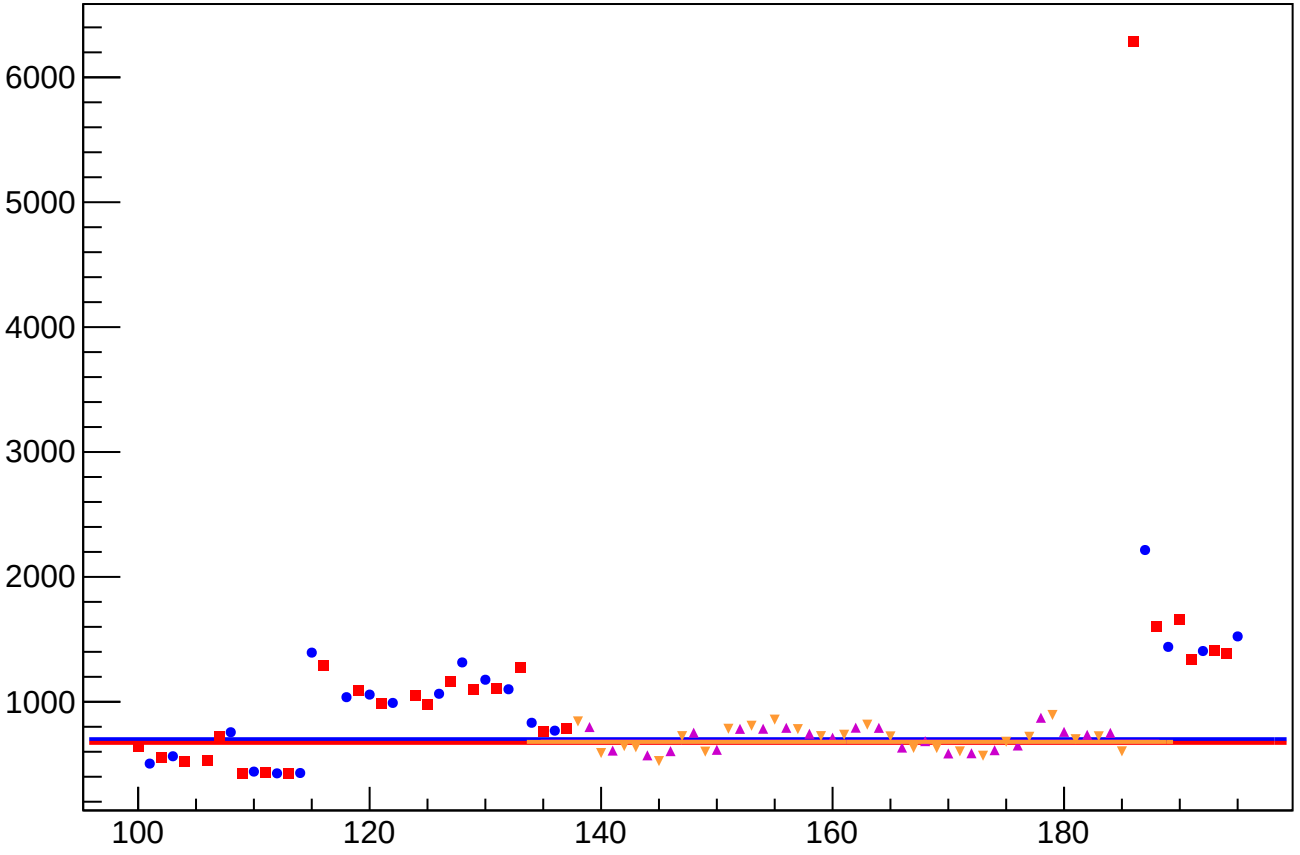
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -543.043+/-132.201 χ^2/NDF: 77.7/44

All: -410.210+/-93.306 χ^2/NDF: 127.1/92

- sign -278.364+/-131.709 χ^2/NDF: 47.4/47

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: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

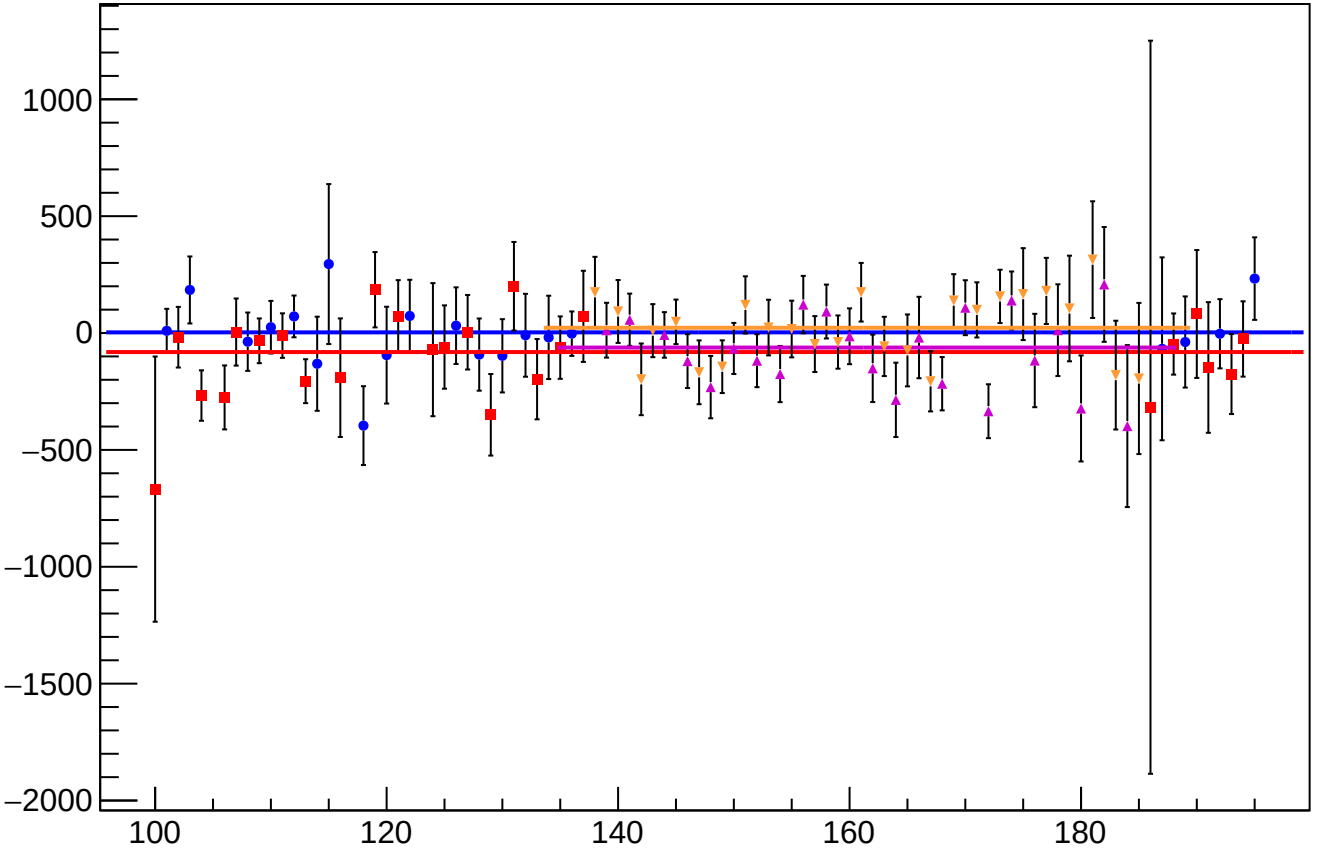
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 685.252+/-0.093 χ^2/NDF: 4169919.6/44

All: 681.826+/-0.066 χ^2/NDF: 9539241.8/92

- sign 678.425+/-0.093 χ^2/NDF: 5366645.1/47

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: -81.357+/-30.197 χ^2/NDF: 20.0/24

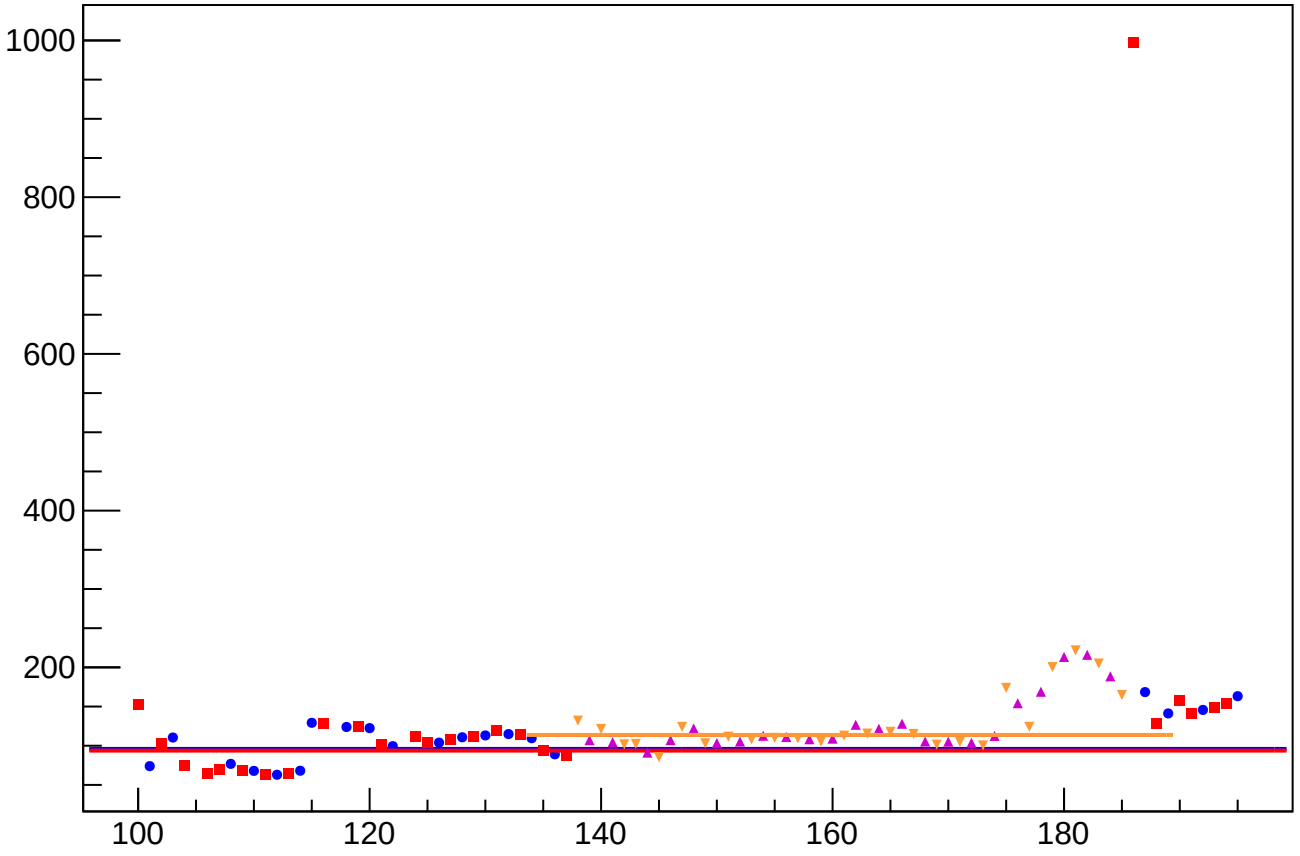
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 14.525+/-20.513 χ^2/NDF: 34.0/44

All: -28.658+/-14.417 χ^2/NDF: 90.3/92

- sign -70.812+/-20.267 χ^2/NDF: 47.5/47

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: 93.791+/-0.021 χ^2/NDF: 2480520.8/24

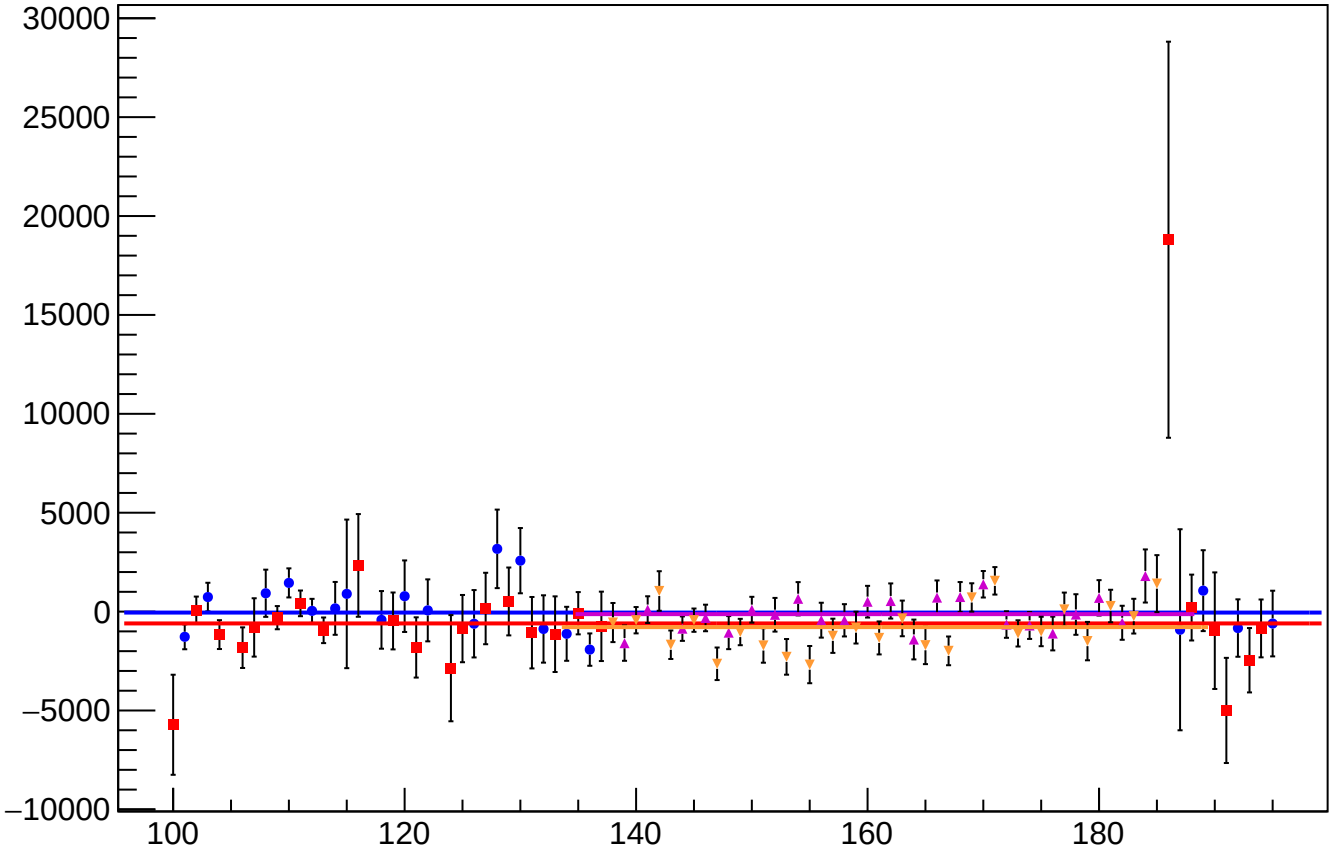
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 106.499+/-0.015 χ^2/NDF: 3449805.6/44

All: 105.598+/-0.010 χ^2/NDF: 7730657.8/92

- sign 104.719+/-0.014 χ^2/NDF: 4273231.3/47

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: -597.954+/-231.523 χ^2/NDF: 21.8/24

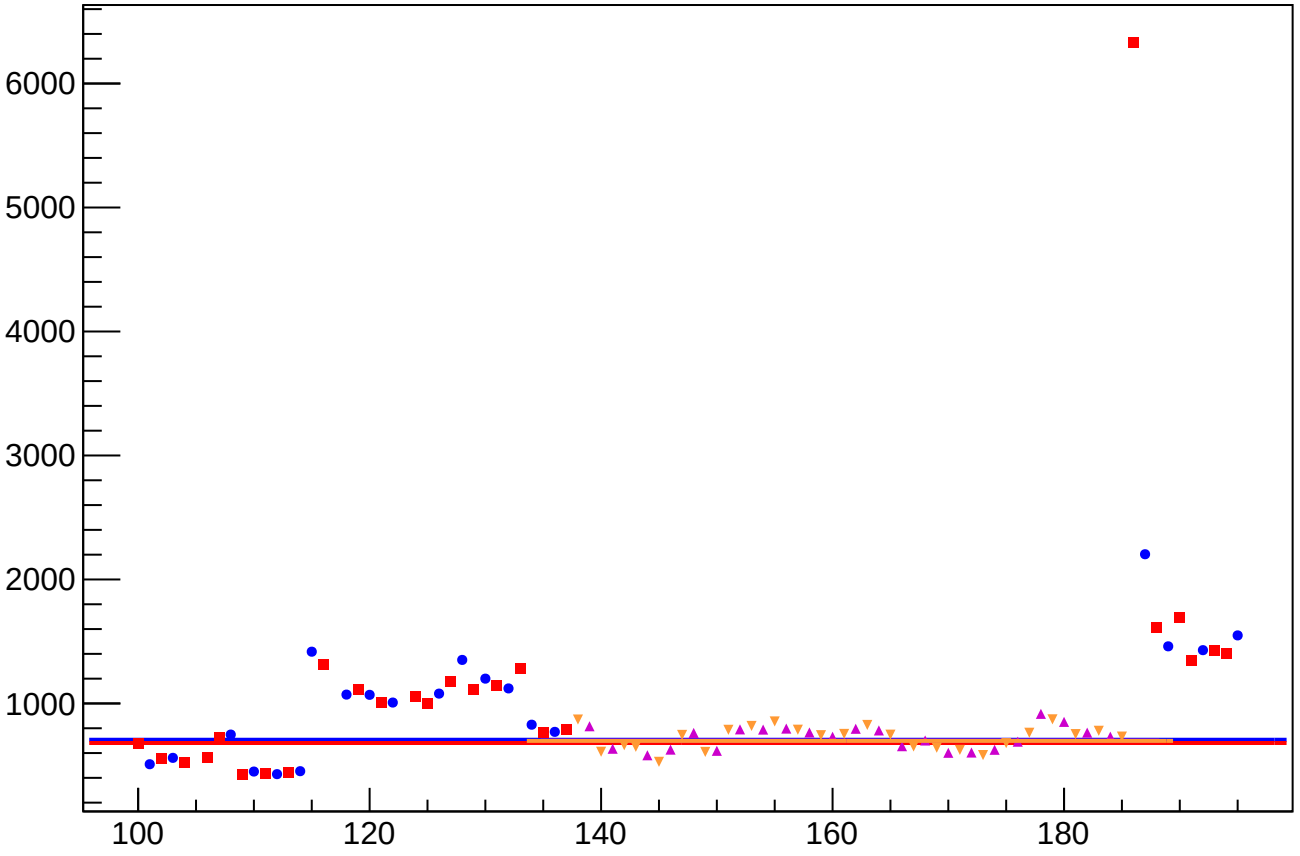
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -569.867+/-135.080 χ^2/NDF: 73.8/44

All: -427.691+/-95.312 χ^2/NDF: 123.3/92

- sign -286.721+/-134.506 χ^2/NDF: 47.2/47

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: 681.162+/-0.164 χ^2/NDF: 4777436.9/24

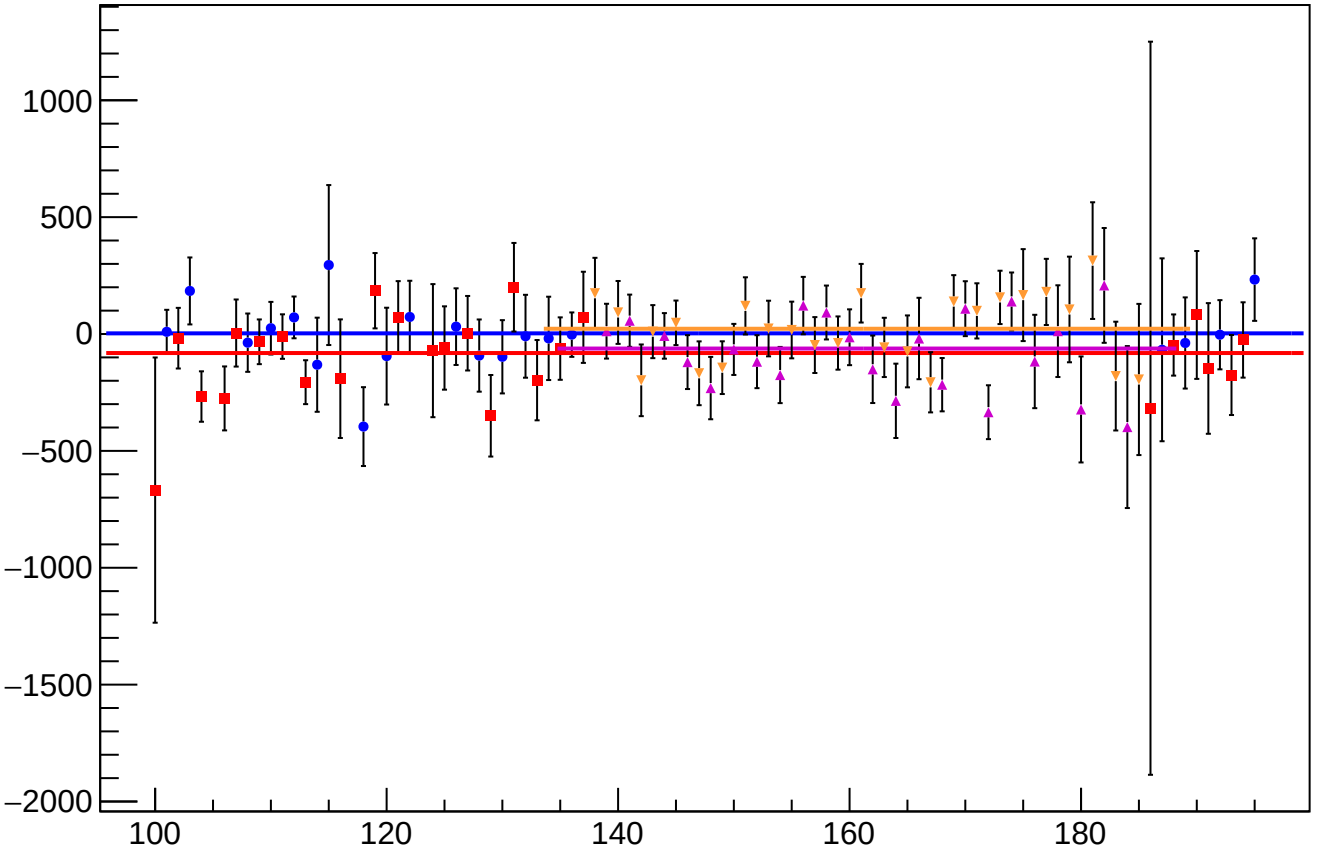
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 700.873+/-0.096 χ^2/NDF: 4164425.6/44

All: 697.269+/-0.067 χ^2/NDF: 9537863.6/92

- sign 693.694+/-0.095 χ^2/NDF: 5370601.4/47

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: -81.357+/-30.197 χ^2/NDF: 20.0/24

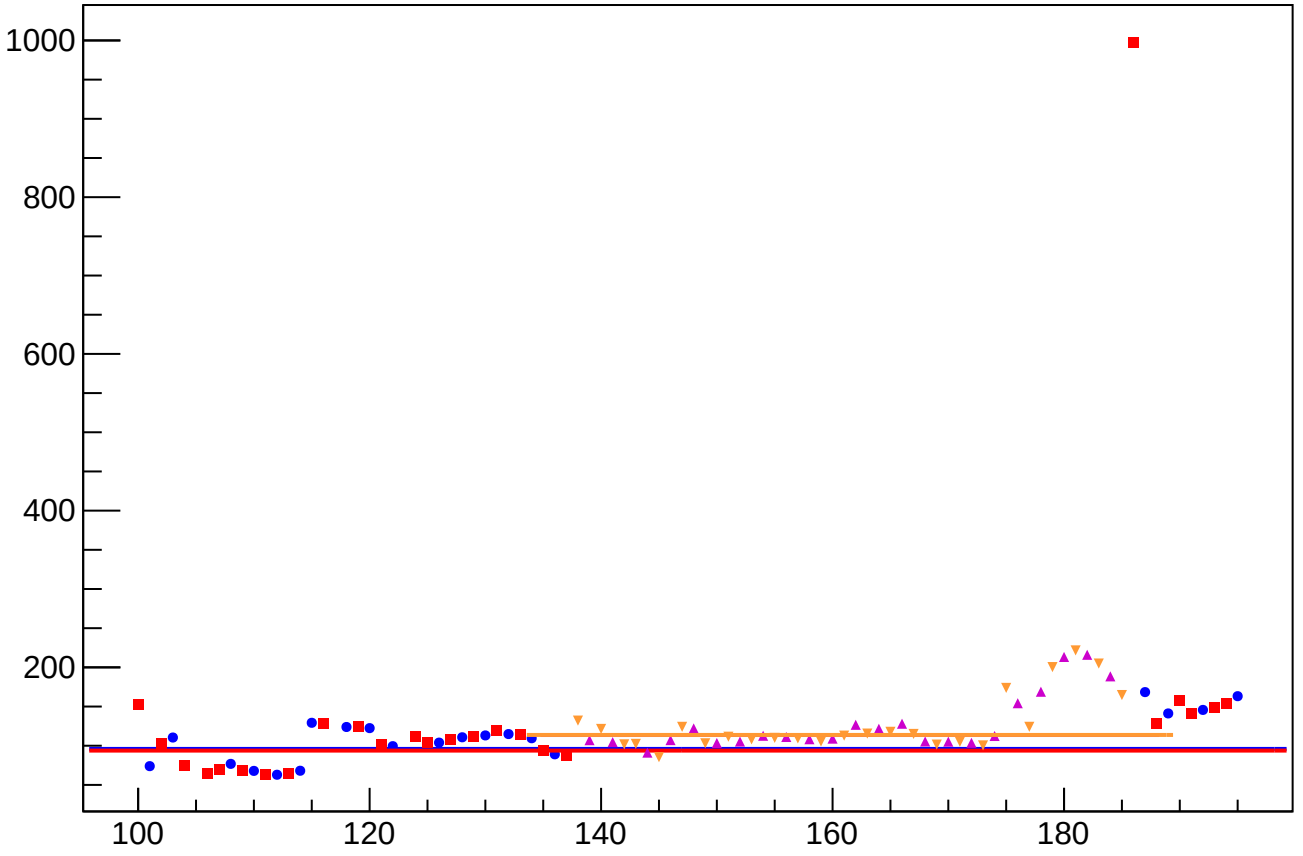
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 14.526+/-20.513 χ^2/NDF: 34.0/44

All: -28.658+/-14.417 χ^2/NDF: 90.3/92

- sign -70.812+/-20.267 χ^2/NDF: 47.5/47

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: 93.791+/-0.021 χ^2/NDF: 2480521.2/24

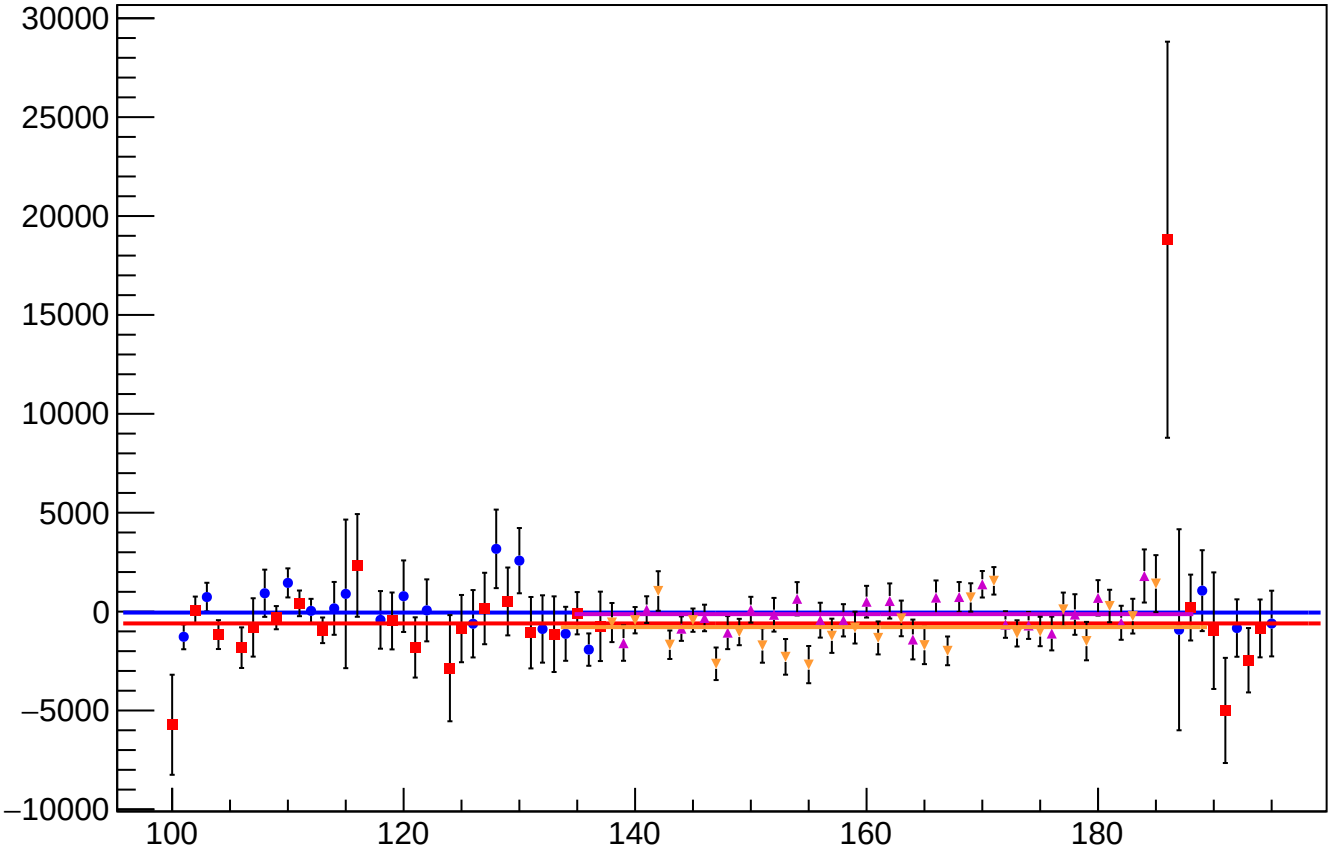
Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 106.499+/-0.015 χ^2/NDF: 3449797.8/44

All: 105.598+/-0.010 χ^2/NDF: 7730638.3/92

- sign 104.719+/-0.014 χ^2/NDF: 4273219.6/47

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

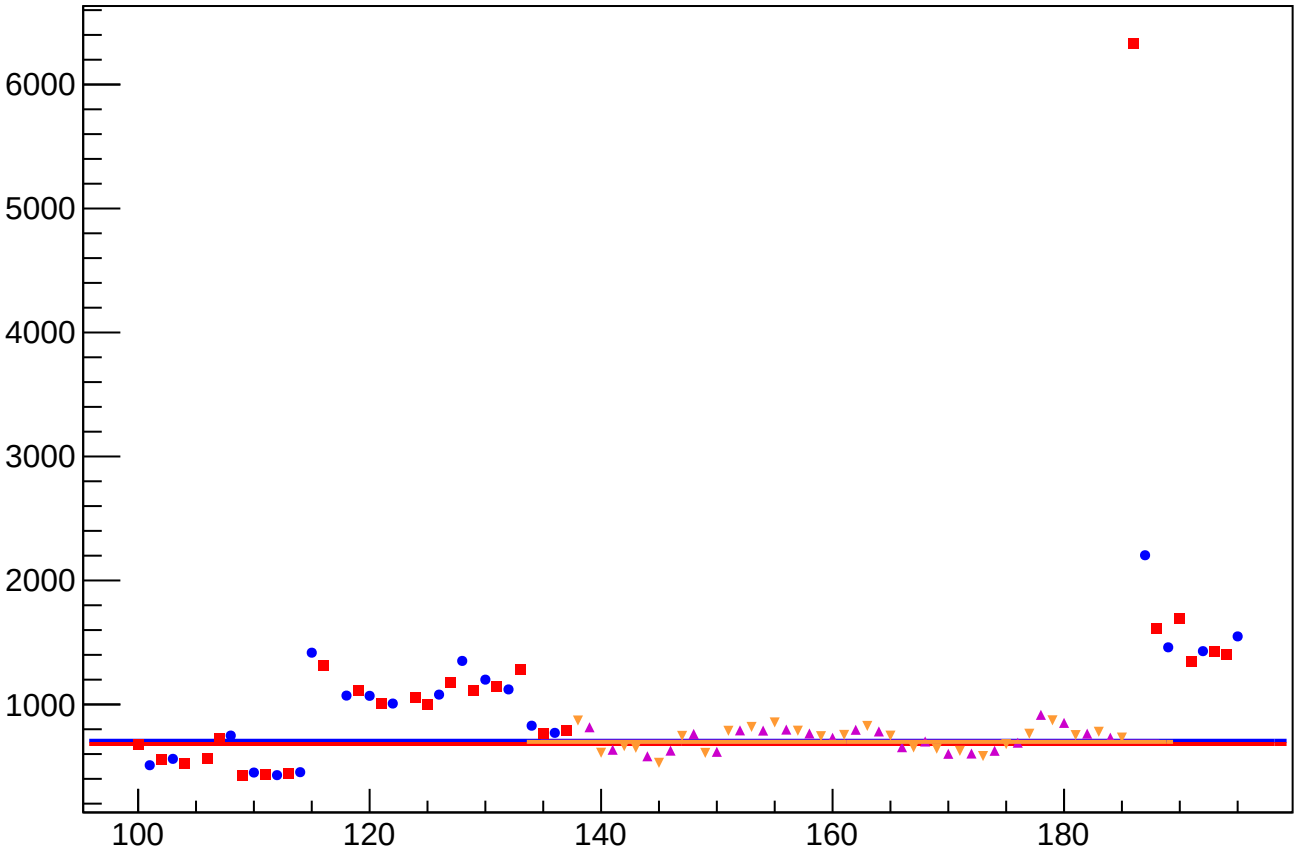
Right Out: -597.953+/-231.522 χ^2/NDF: 21.8/24

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -569.866+/-135.080 χ^2/NDF: 73.8/44

All: -427.690+/-95.312 χ^2/NDF: 123.3/92

- sign -286.720+/-134.506 χ^2/NDF: 47.2/47



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: 681.161+/-0.164 χ^2/NDF: 4777434.5/24

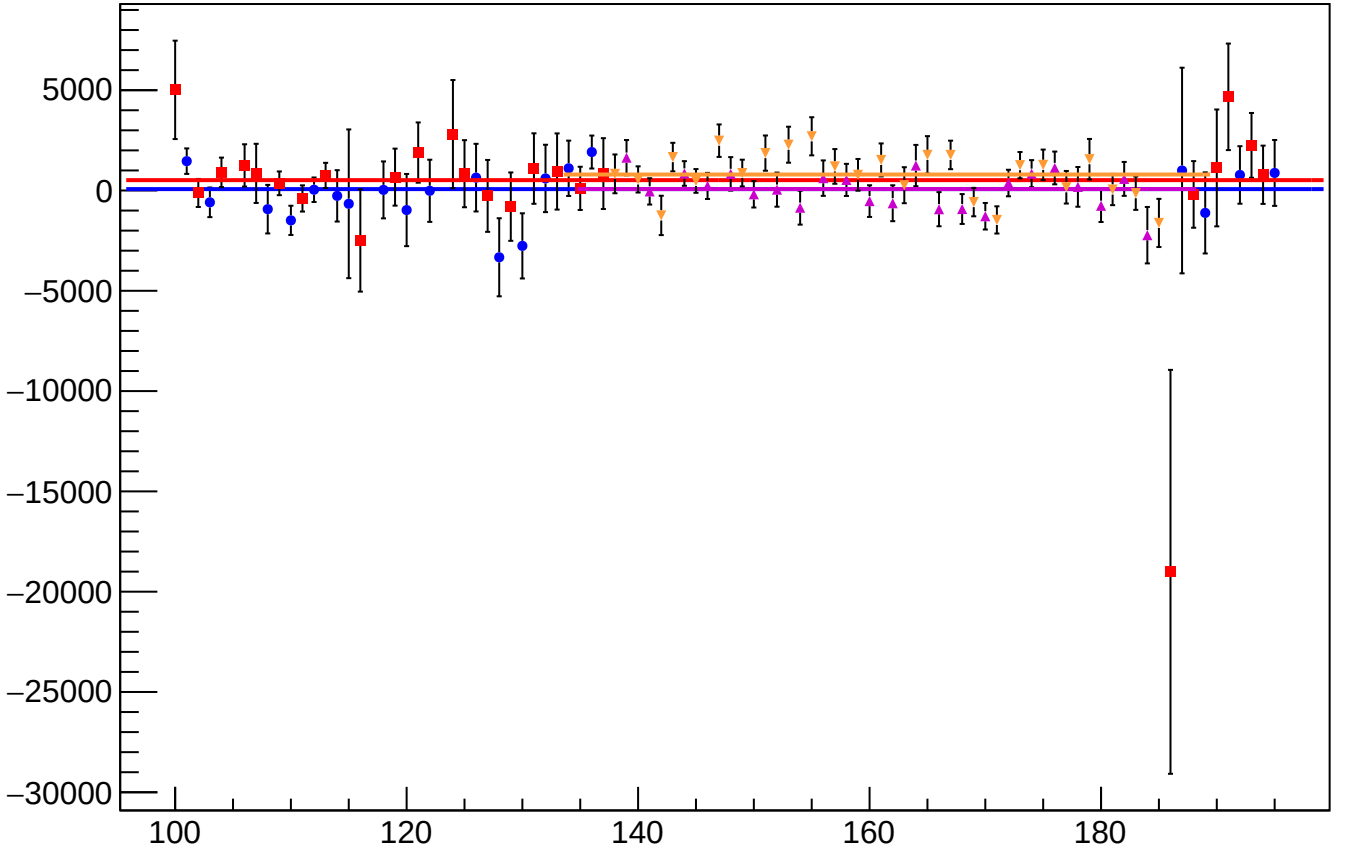
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 700.873+/-0.096 χ^2/NDF: 4164427.0/44

All: 697.268+/-0.067 χ^2/NDF: 9537858.1/92

- sign 693.694+/-0.095 χ^2/NDF: 5370594.5/47

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: 516.313+/-231.311 χ^2/NDF: 18.9/24

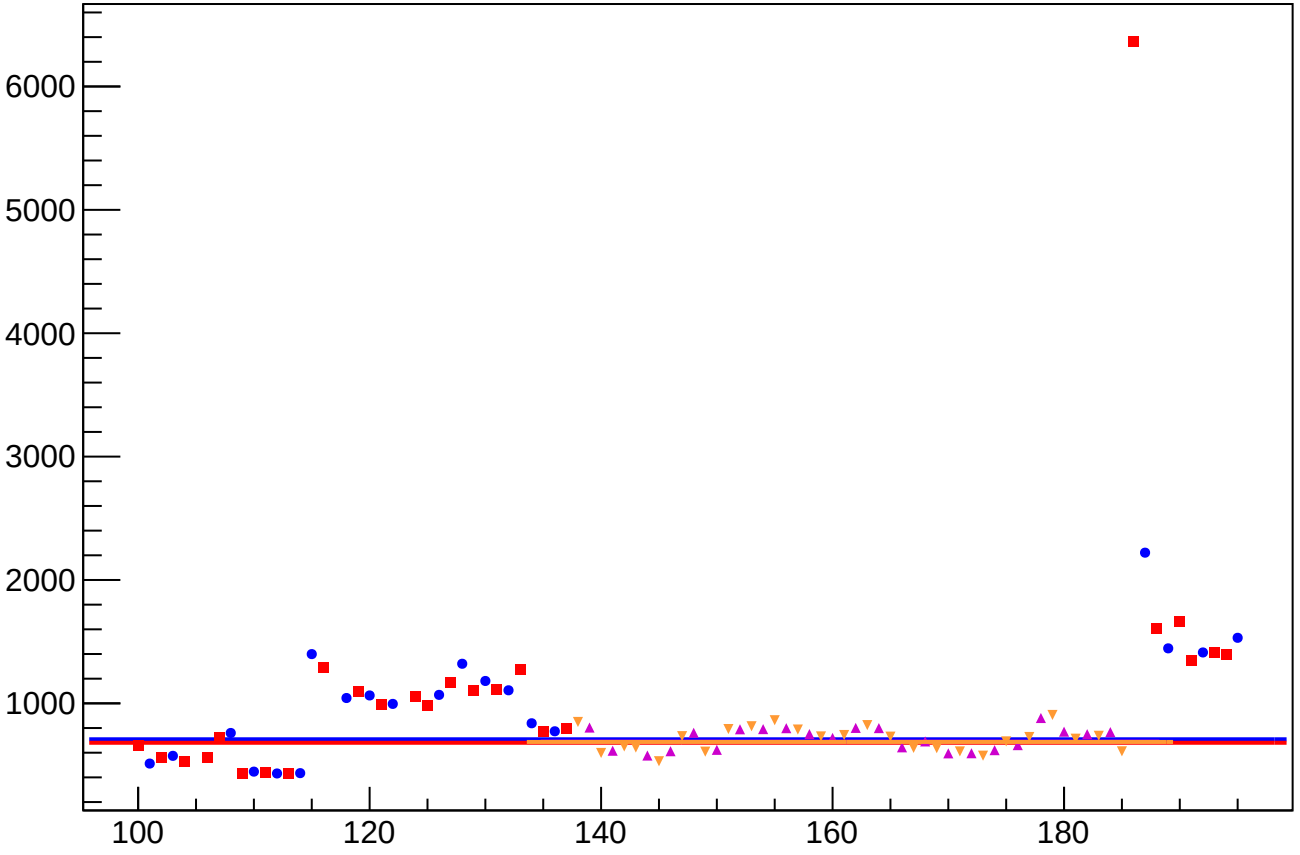
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 589.372+/-133.701 χ^2/NDF: 76.5/44

All: 404.102+/-94.354 χ^2/NDF: 126.6/92

- sign 220.283+/-133.175 χ^2/NDF: 46.3/47

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

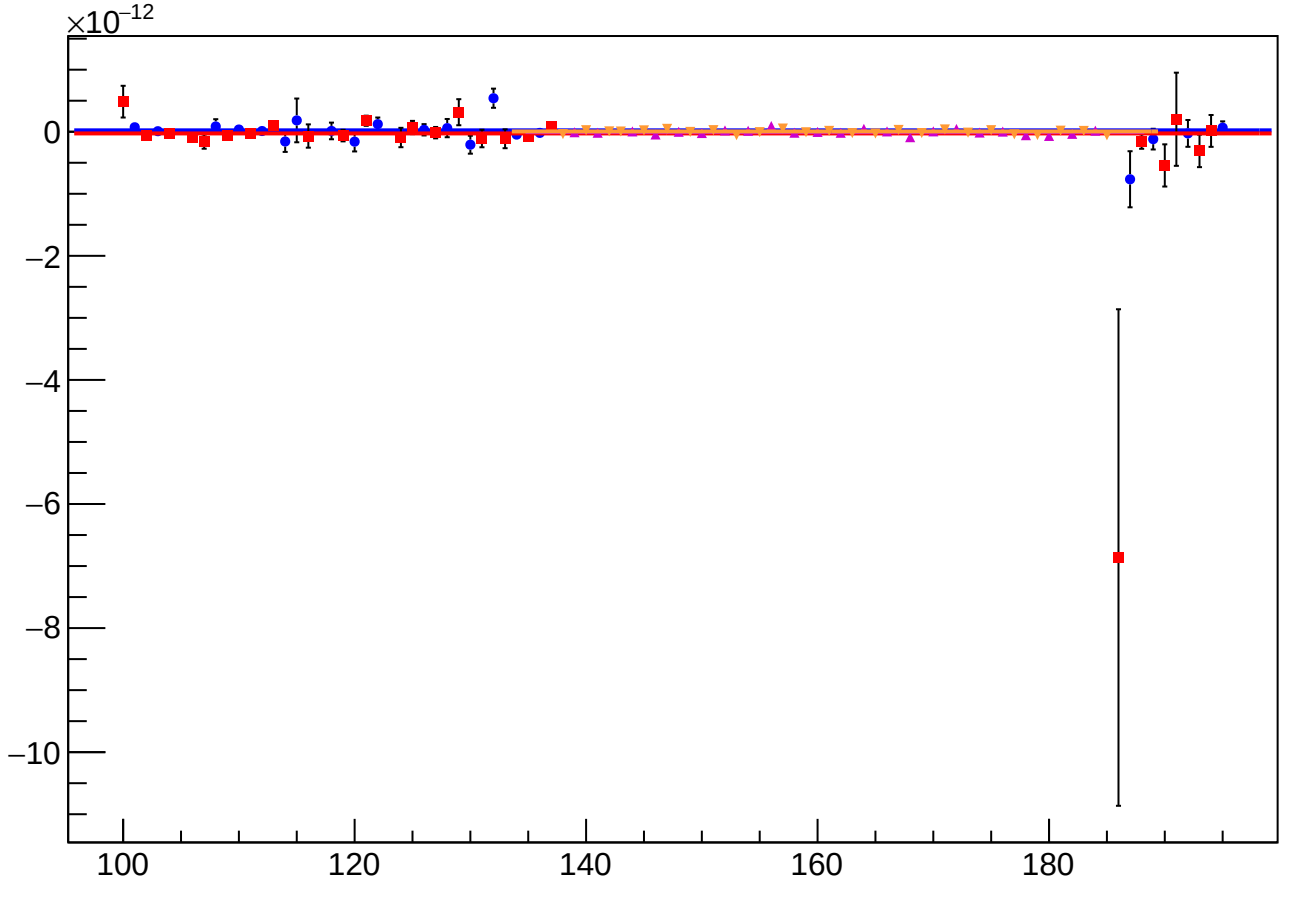
Right Out: 680.558+/-0.164 χ^2/NDF: 4726884.1/24

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 693.395+/-0.095 χ^2/NDF: 4113092.0/44

All: 690.119+/-0.067 χ^2/NDF: 9411684.5/92

- sign 686.868+/-0.094 χ^2/NDF: 5296199.7/47



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: 33.5/24

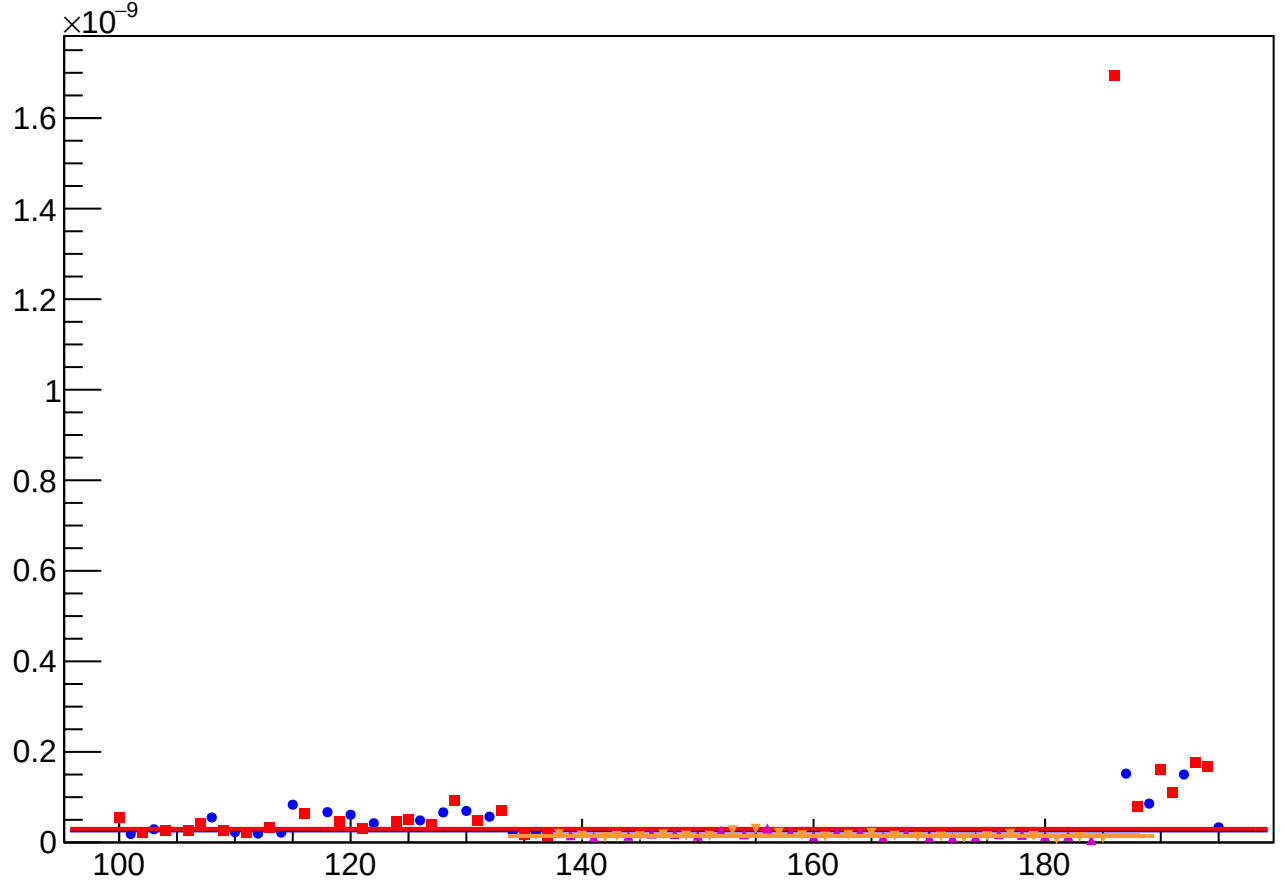
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/44

All: -0.000+/-0.000 χ^2/NDF: 116.4/92

- sign -0.000+/-0.000 χ^2/NDF: 61.5/47

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2394886.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

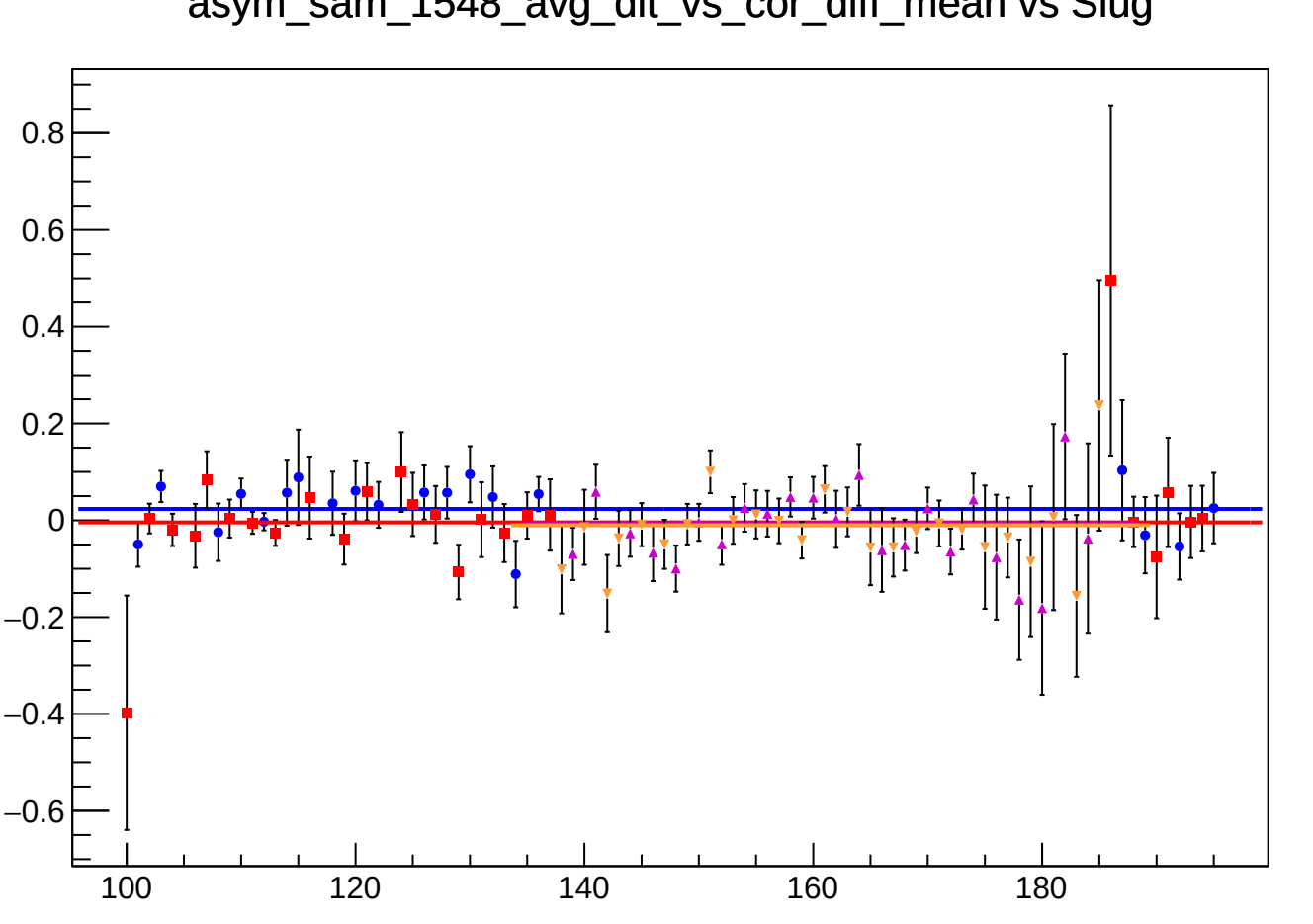
Right Out: 0.000+/-0.000 χ^2/NDF: 3253965.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

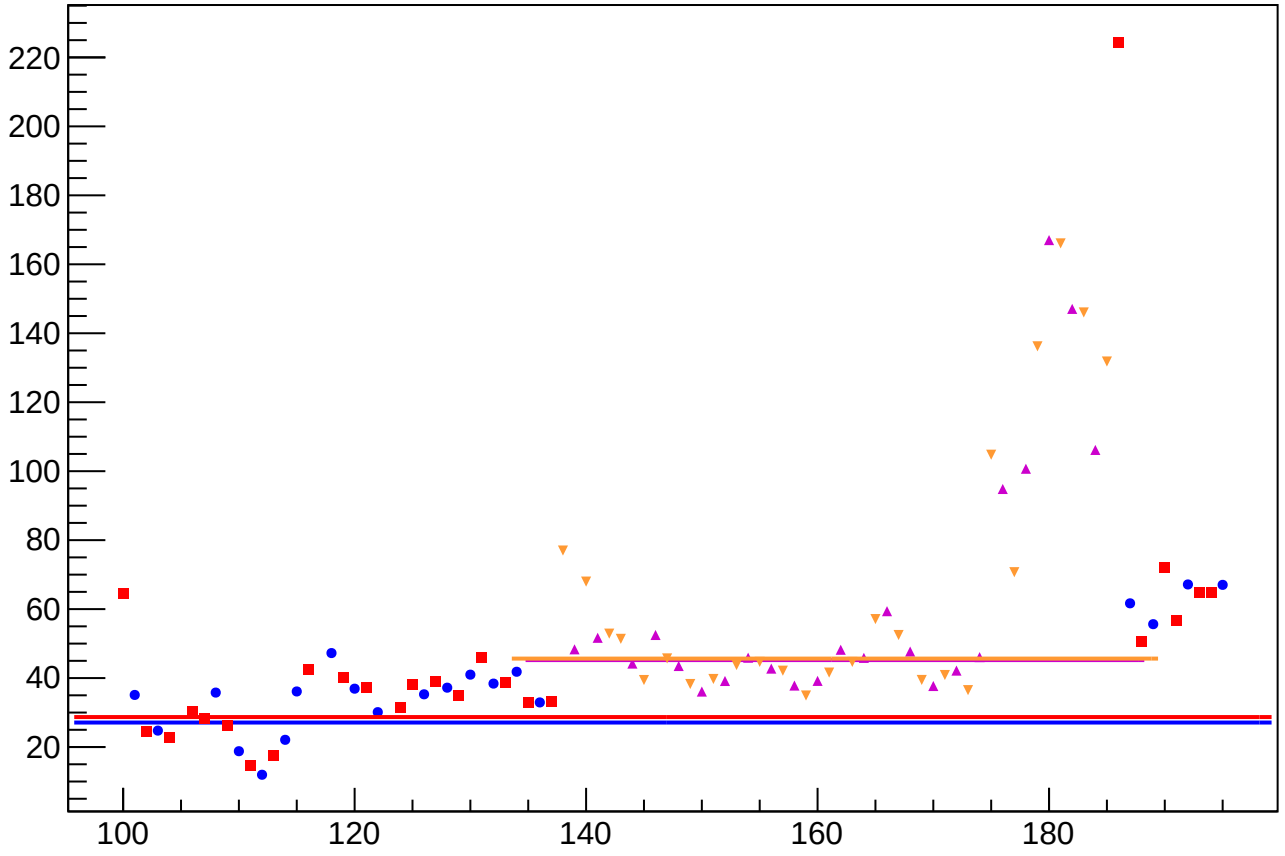
+ sign 0.000+/-0.000 χ^2/NDF: 4578964.6/44

All: 0.000+/-0.000 χ^2/NDF: 10485975.1/92

- sign 0.000+/-0.000 χ^2/NDF: 5857426.6/47


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.023+/-0.010 χ²/NDF: 18.6/19
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.004+/-0.010 χ²/NDF: 16.2/24
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.009+/-0.007 χ²/NDF: 41.7/44
All: 0.001+/-0.005 χ²/NDF: 83.0/92
- sign -0.006+/-0.007 χ²/NDF: 39.5/47

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

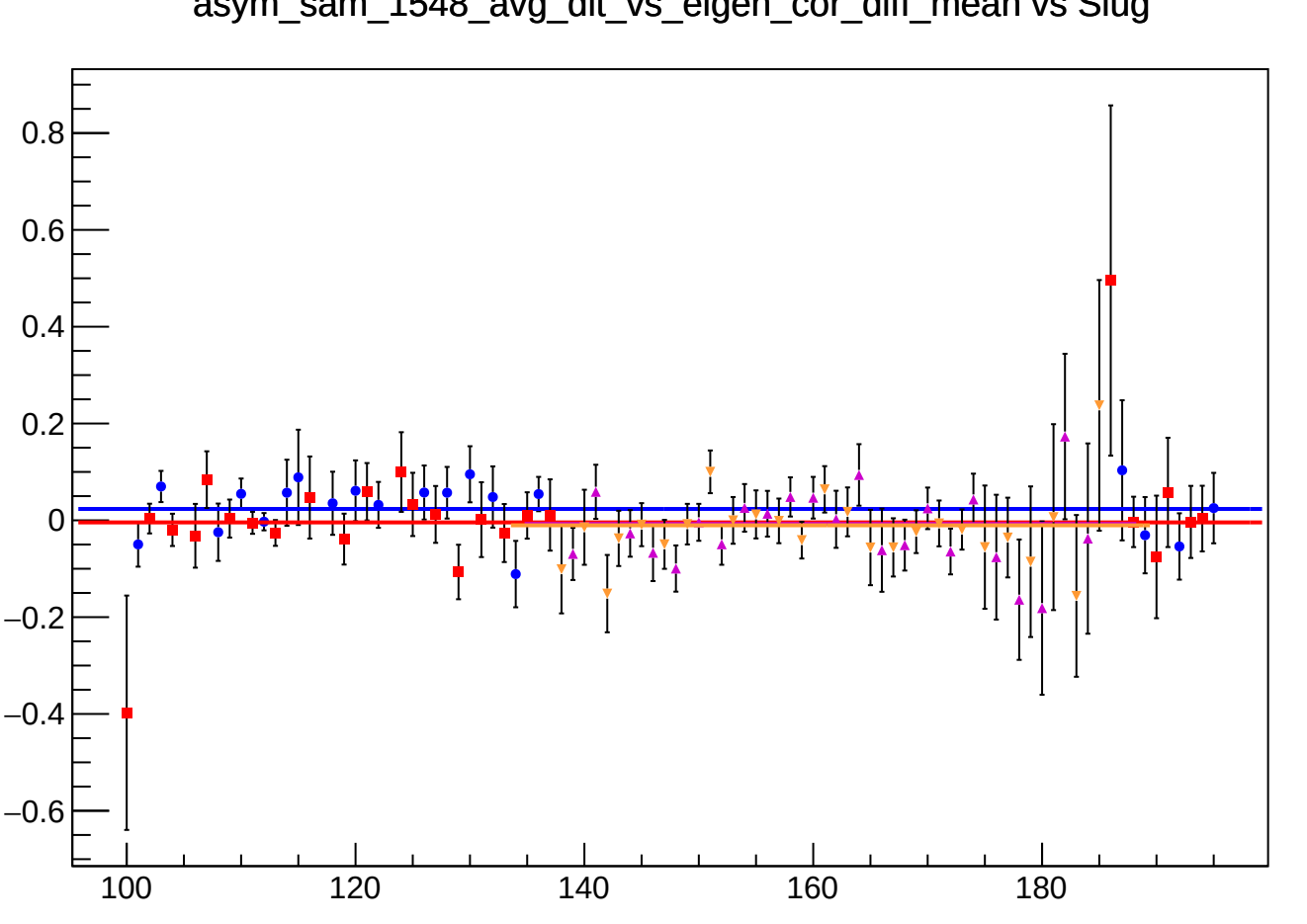
Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098232.6/44

All: 35.535+/-0.004 χ^2/NDF: 20618320.8/92

- sign 35.766+/-0.005 χ^2/NDF: 9516225.6/47



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

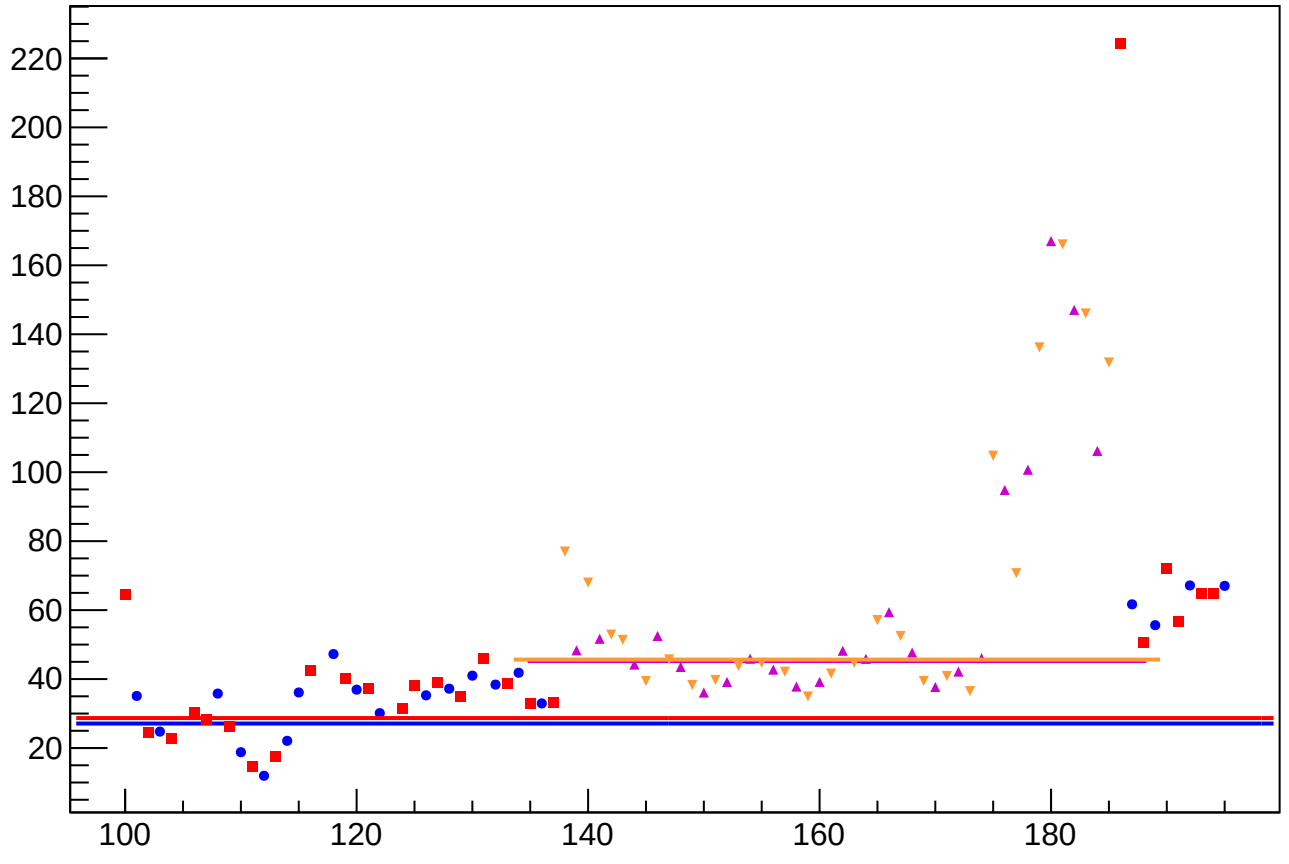
Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.001+/-0.005 χ^2/NDF: 83.0/92

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47



Right In: 27.106+/-0.007 χ^2/NDF: 4063833.8/19

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

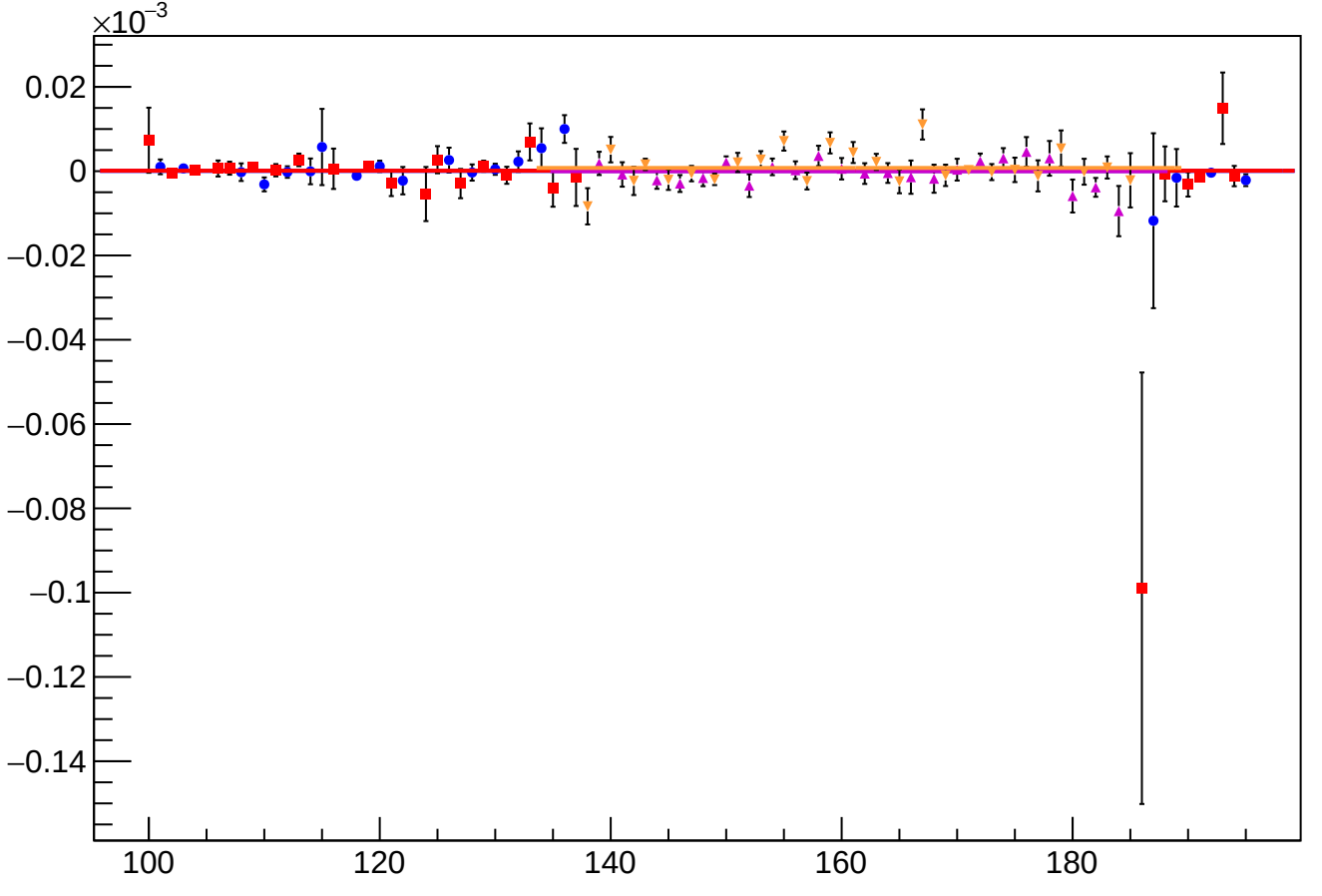
Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098232.6/44

All: 35.535+/-0.004 χ^2/NDF: 20618320.8/92

- sign 35.766+/-0.005 χ^2/NDF: 9516225.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

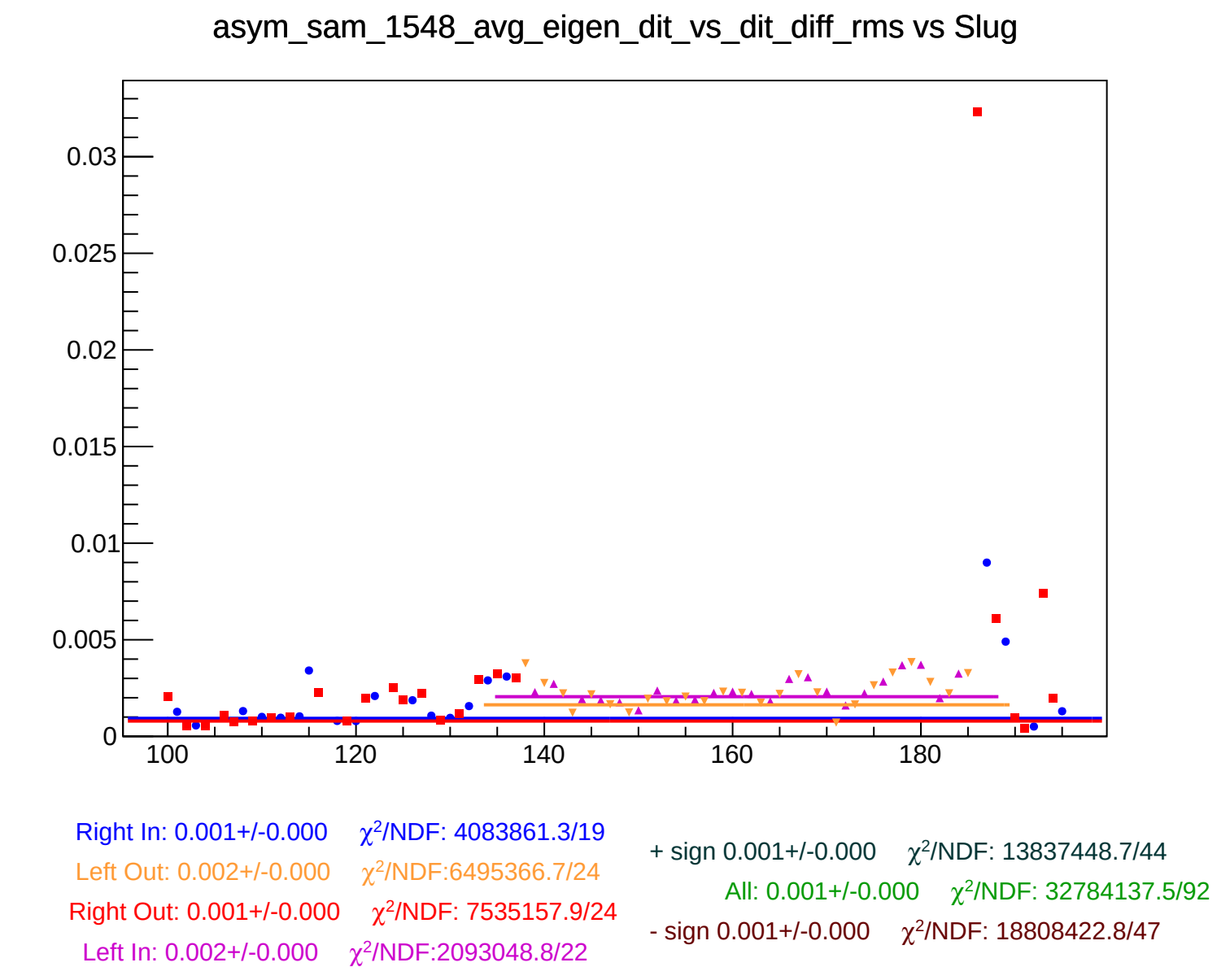
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

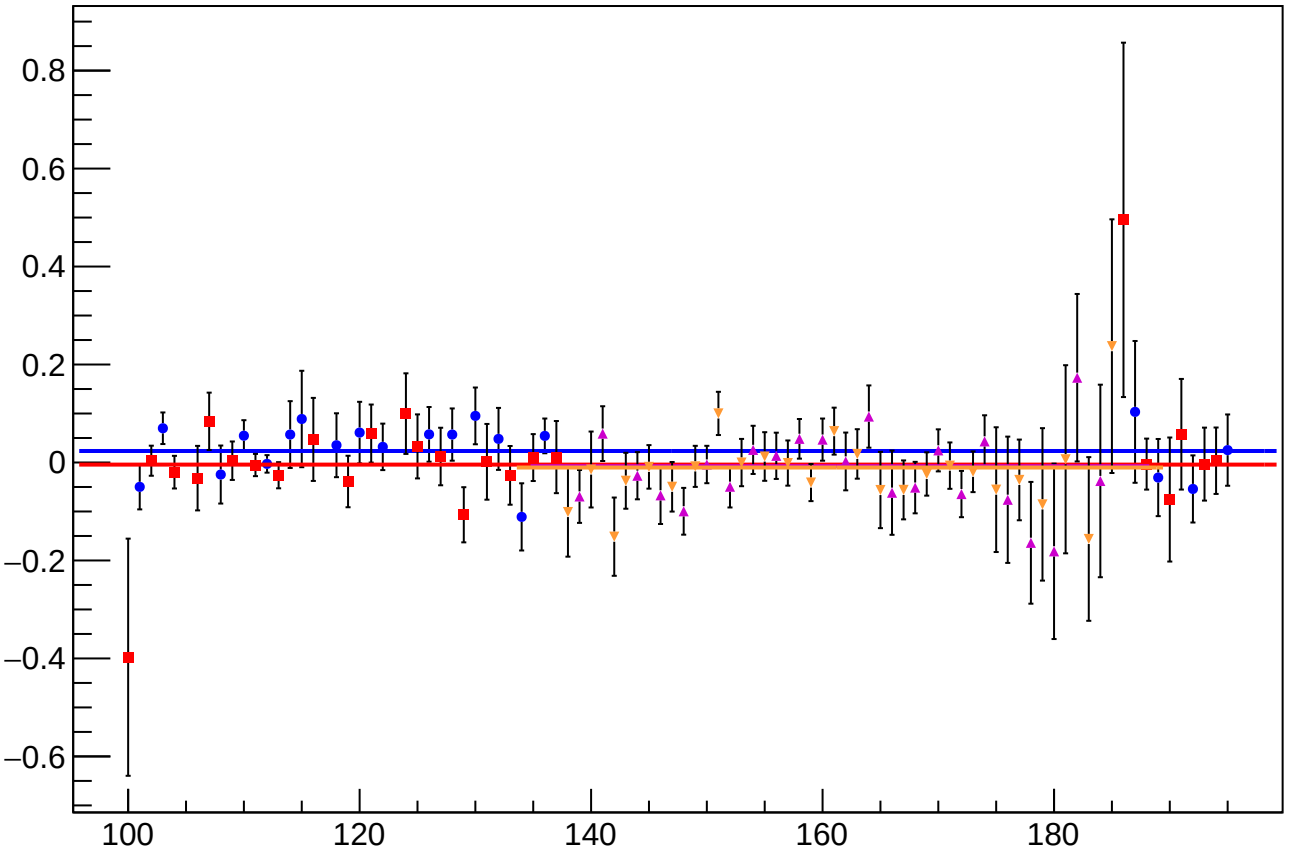
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/44

All: 0.000+/-0.000 χ^2/NDF: 120.8/92

- sign 0.000+/-0.000 χ^2/NDF: 49.8/47


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 4083861.3/19
Left Out: 0.002+/-0.000 χ²/NDF:6495366.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7535157.9/24
Left In: 0.002+/-0.000 χ²/NDF:2093048.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13837448.7/44
All: 0.001+/-0.000 χ²/NDF: 32784137.5/92
- sign 0.001+/-0.000 χ²/NDF: 18808422.8/47



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

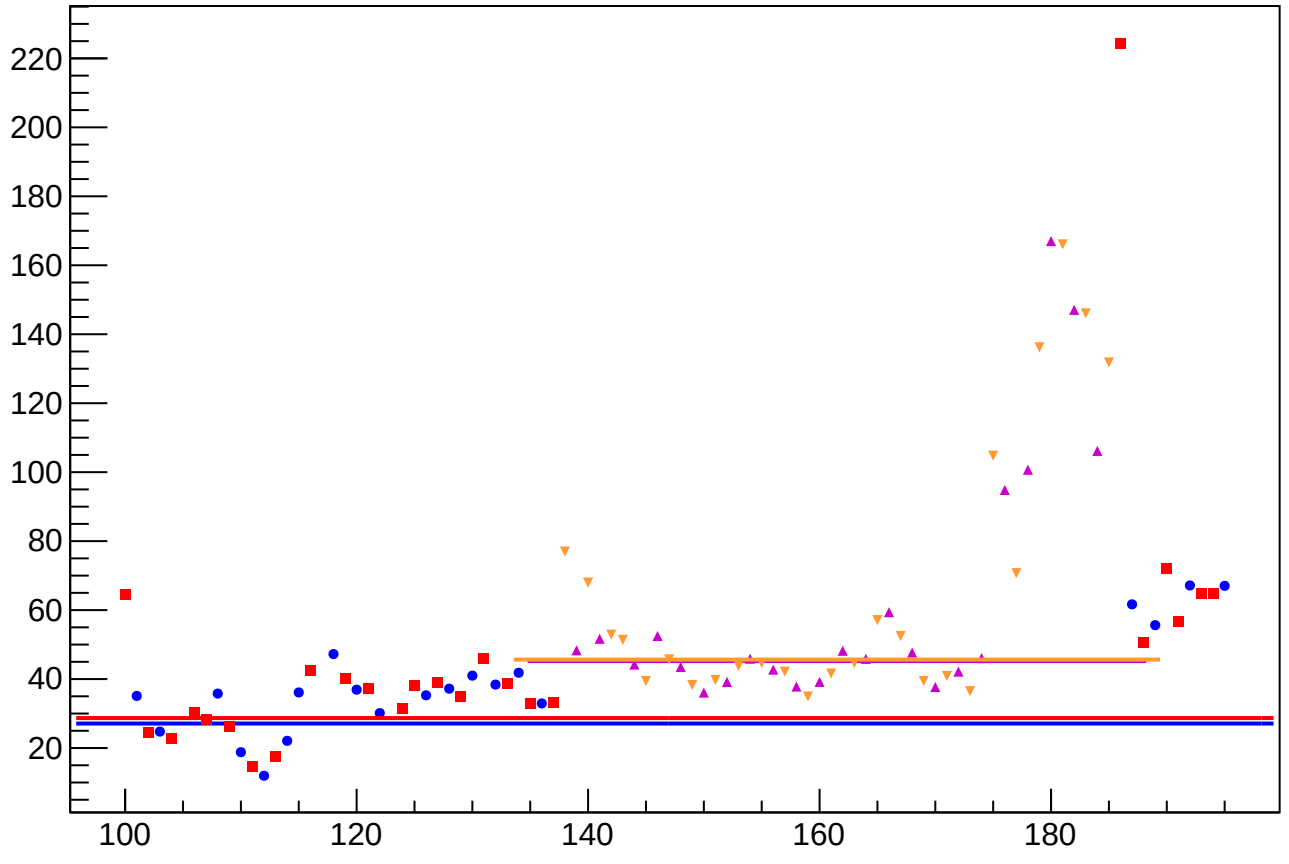
Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.007 χ^2/NDF: 41.7/44

All: 0.001+/-0.005 χ^2/NDF: 83.0/92

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

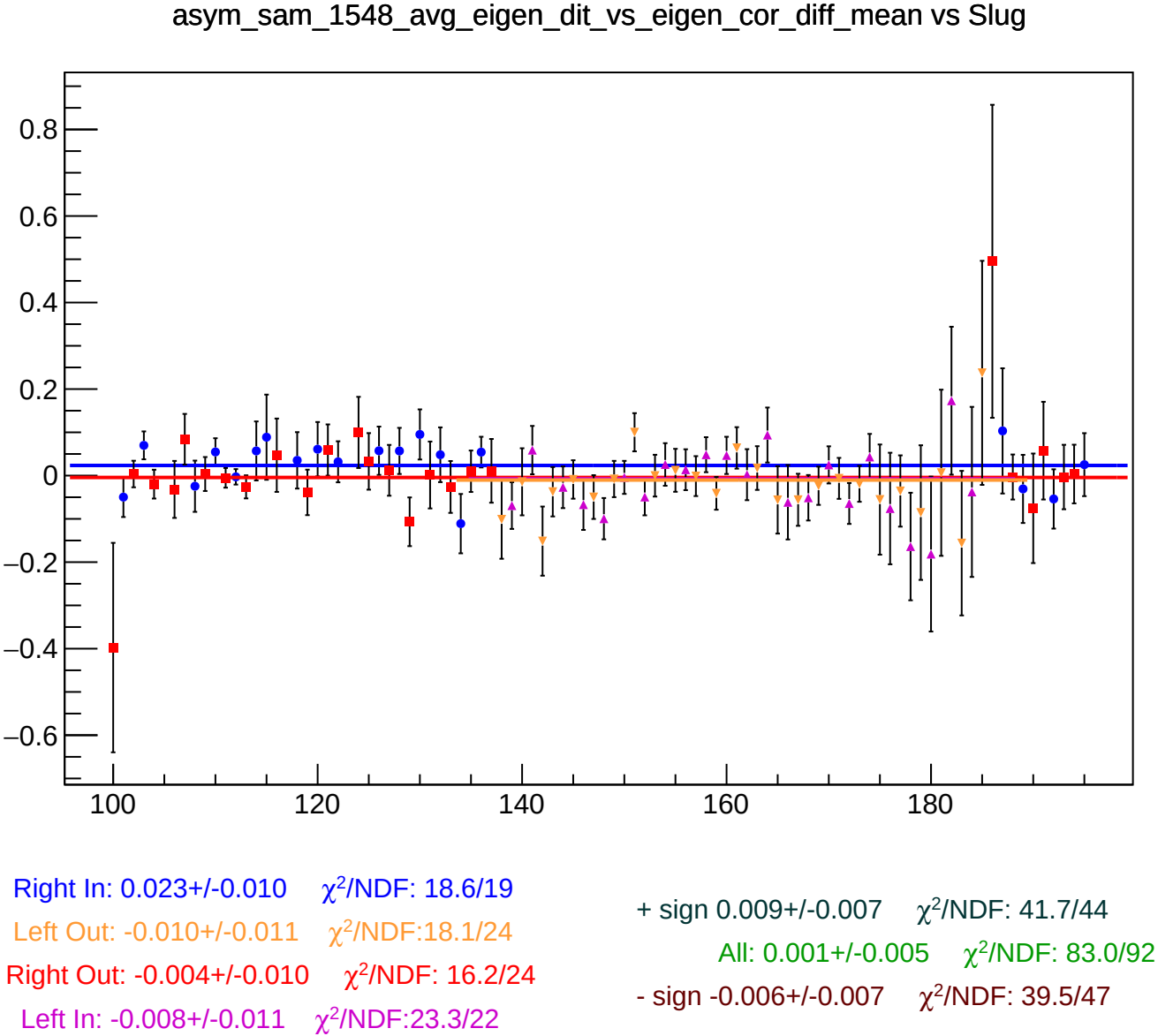
Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

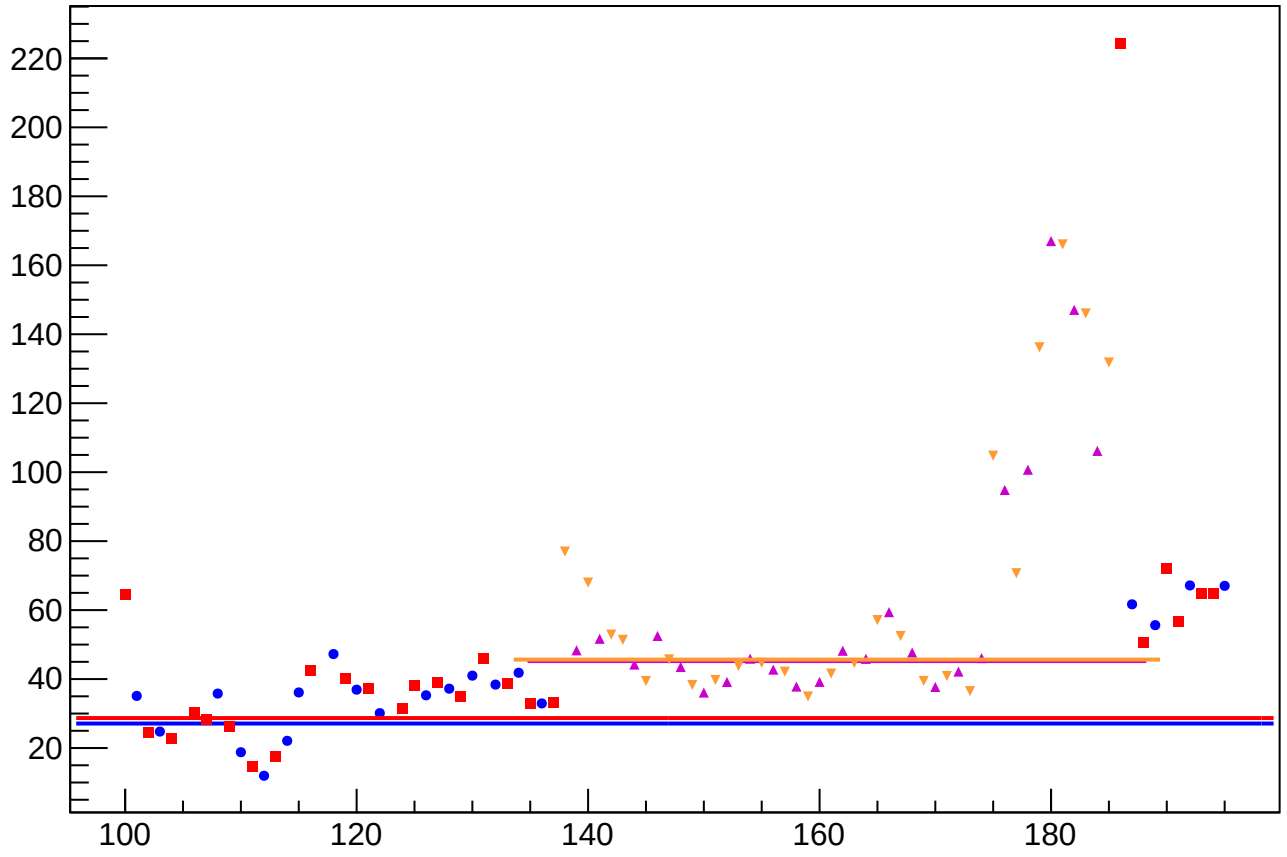
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098694.7/44

All: 35.534+/-0.004 χ^2/NDF: 20619129.6/92

- sign 35.766+/-0.005 χ^2/NDF: 9516569.7/47


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.023+/-0.010 χ²/NDF: 18.6/19
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.004+/-0.010 χ²/NDF: 16.2/24
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.009+/-0.007 χ²/NDF: 41.7/44
All: 0.001+/-0.005 χ²/NDF: 83.0/92
- sign -0.006+/-0.007 χ²/NDF: 39.5/47



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

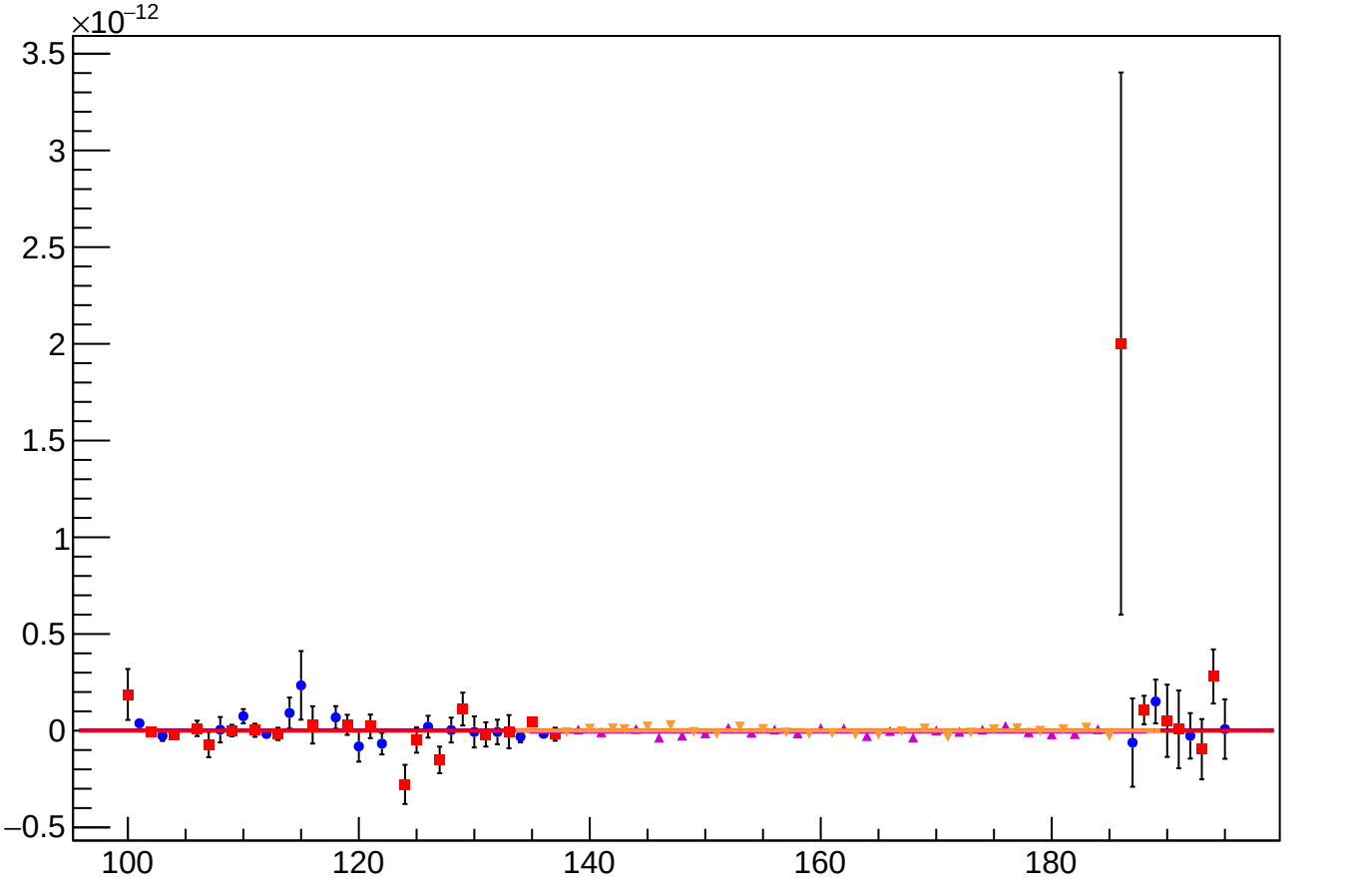
Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.301+/-0.005 χ^2/NDF: 11098694.7/44

All: 35.534+/-0.004 χ^2/NDF: 20619129.6/92

- sign 35.766+/-0.005 χ^2/NDF: 9516569.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

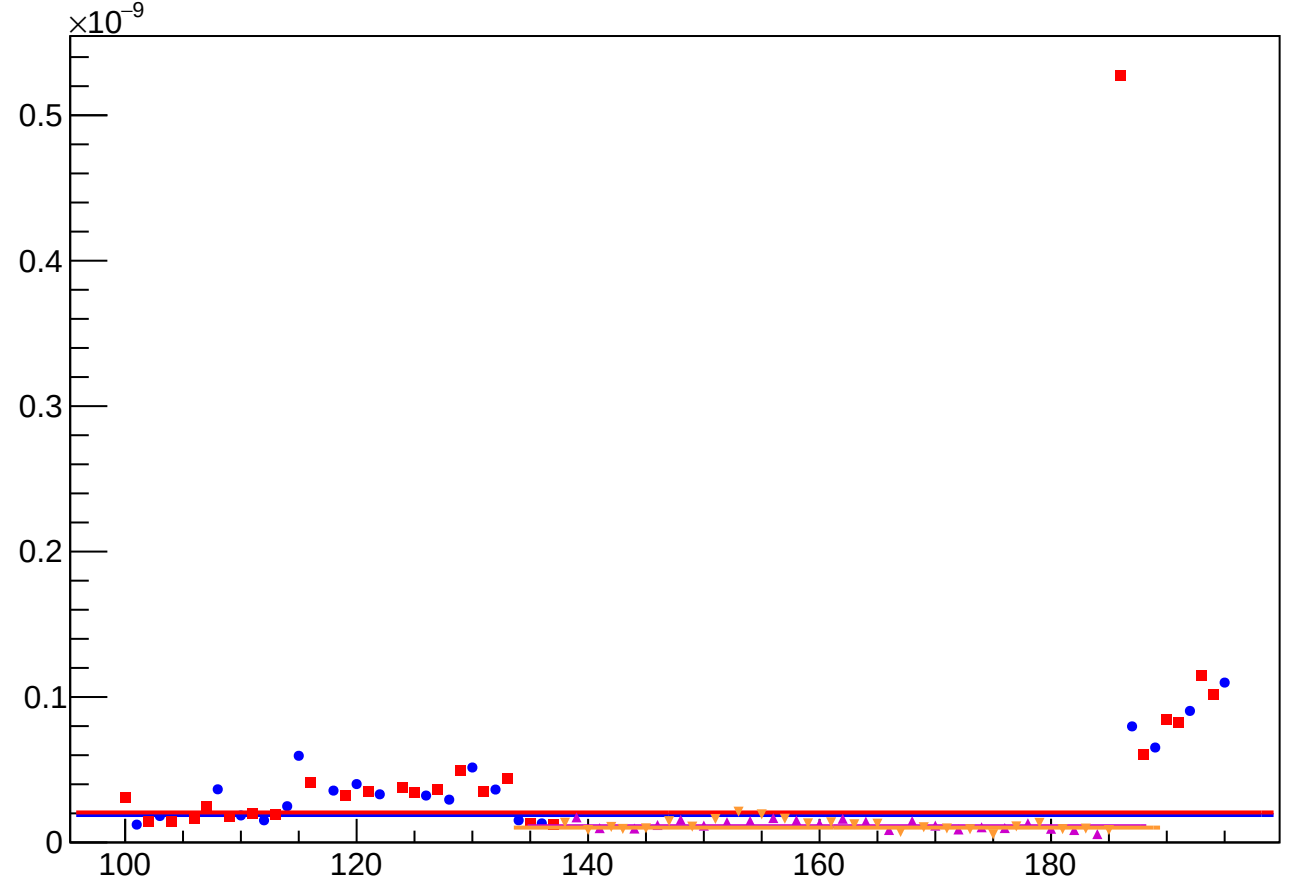
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/24

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: 103.7/92

- sign -0.000+/-0.000 χ^2/NDF: 56.1/47



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: 4350388.2/24

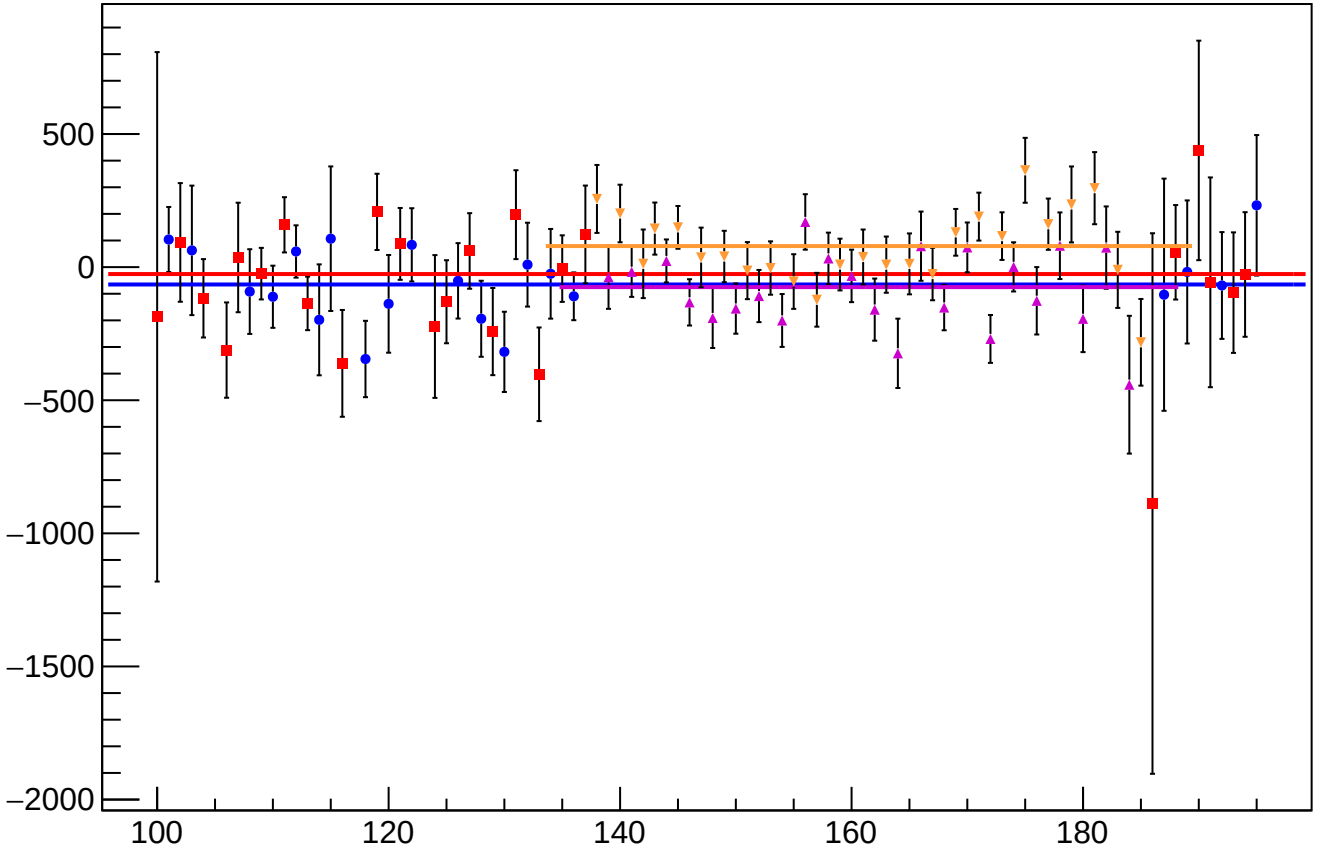
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7890604.4/44

All: 0.000+/-0.000 χ^2/NDF: 15887602.1/92

- sign 0.000+/-0.000 χ^2/NDF: 7846792.7/47

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: -26.011+/-32.692 χ^2/NDF: 26.3/24

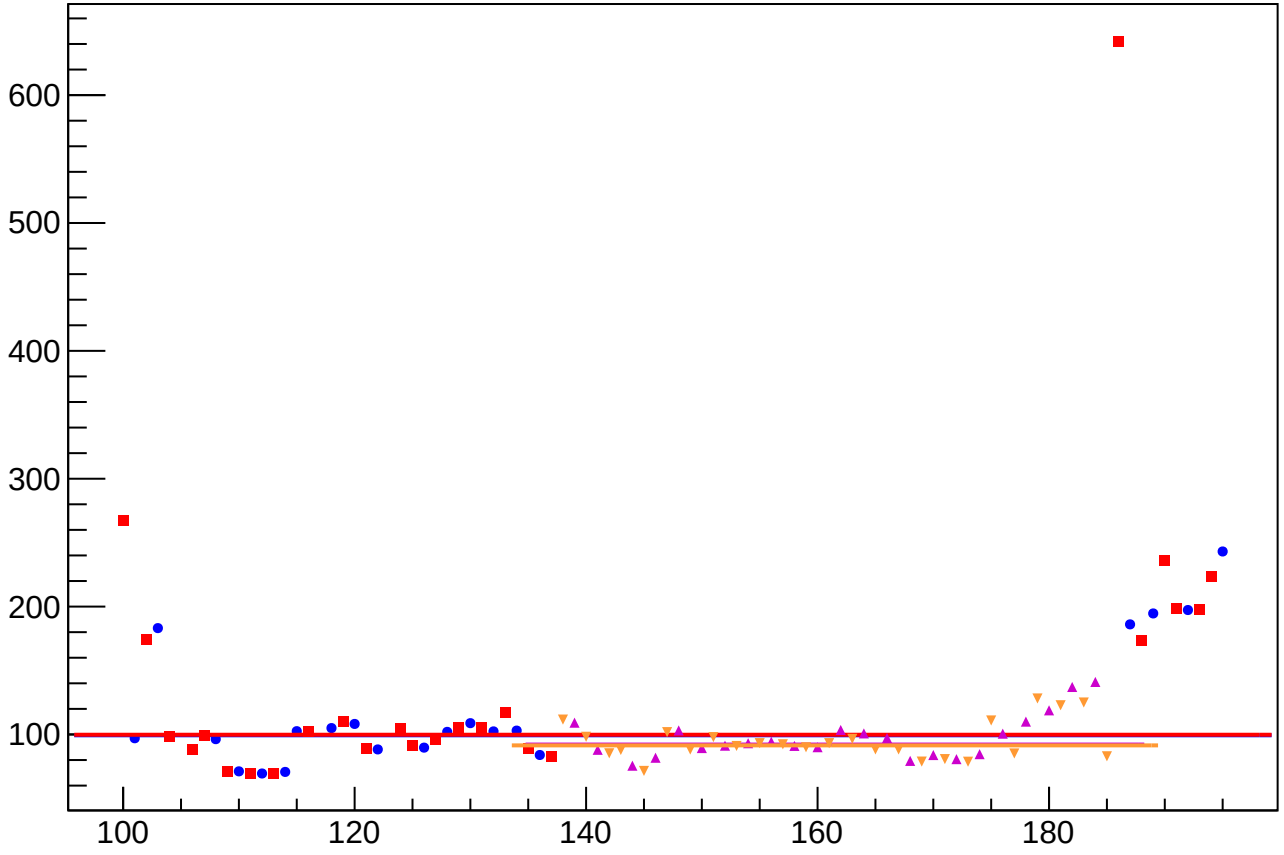
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 38.842+/-17.918 χ^2/NDF: 60.4/44

All: -9.881+/-12.754 χ^2/NDF: 135.9/92

- sign -59.920+/-18.159 χ^2/NDF: 60.5/47

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

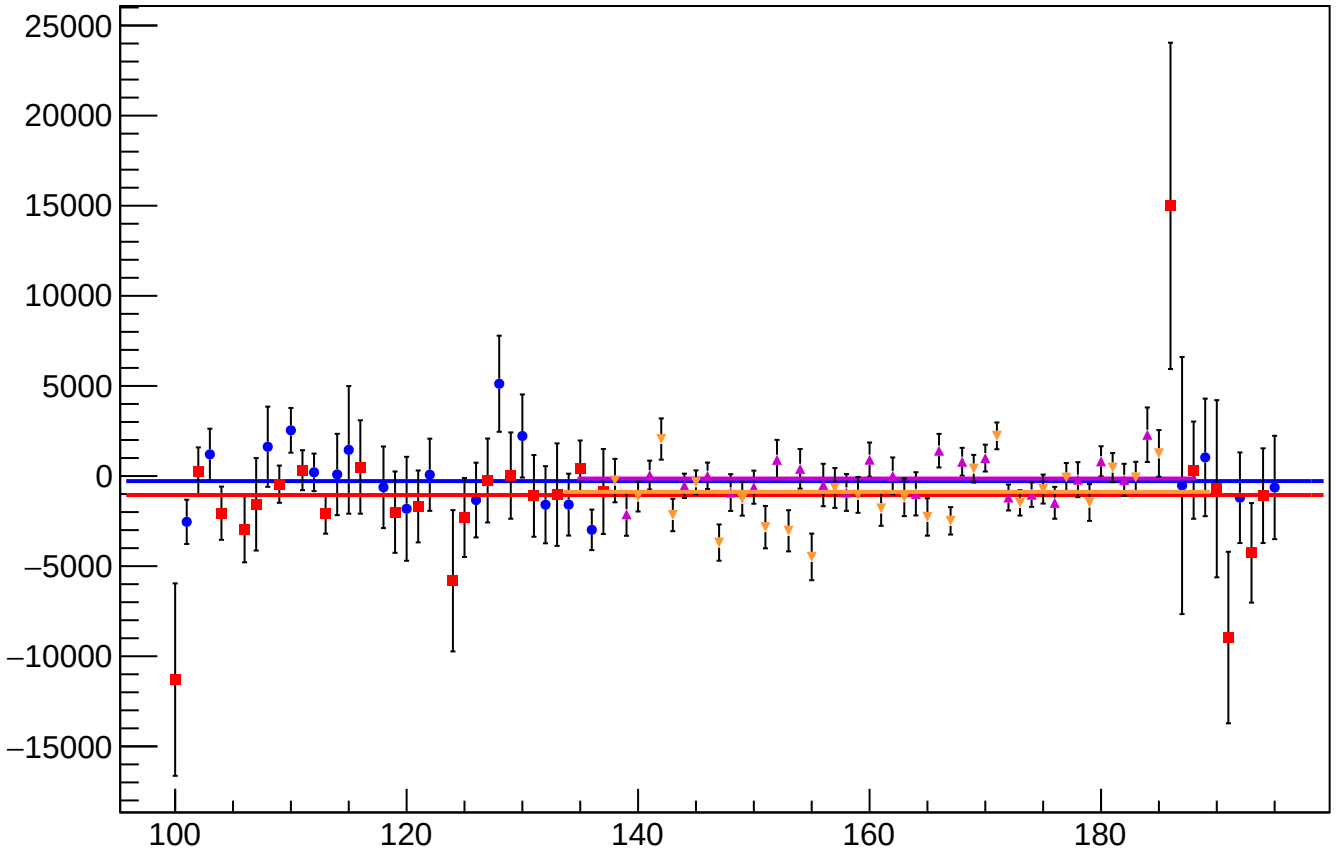
Right Out: 99.778+/-0.023 χ^2/NDF: 3103991.4/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908034.4/44

All: 94.060+/-0.009 χ^2/NDF: 6789895.5/92

- sign 94.469+/-0.013 χ^2/NDF: 3879858.9/47



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: -1052.989+/-385.314 χ^2/NDF: 20.2/24

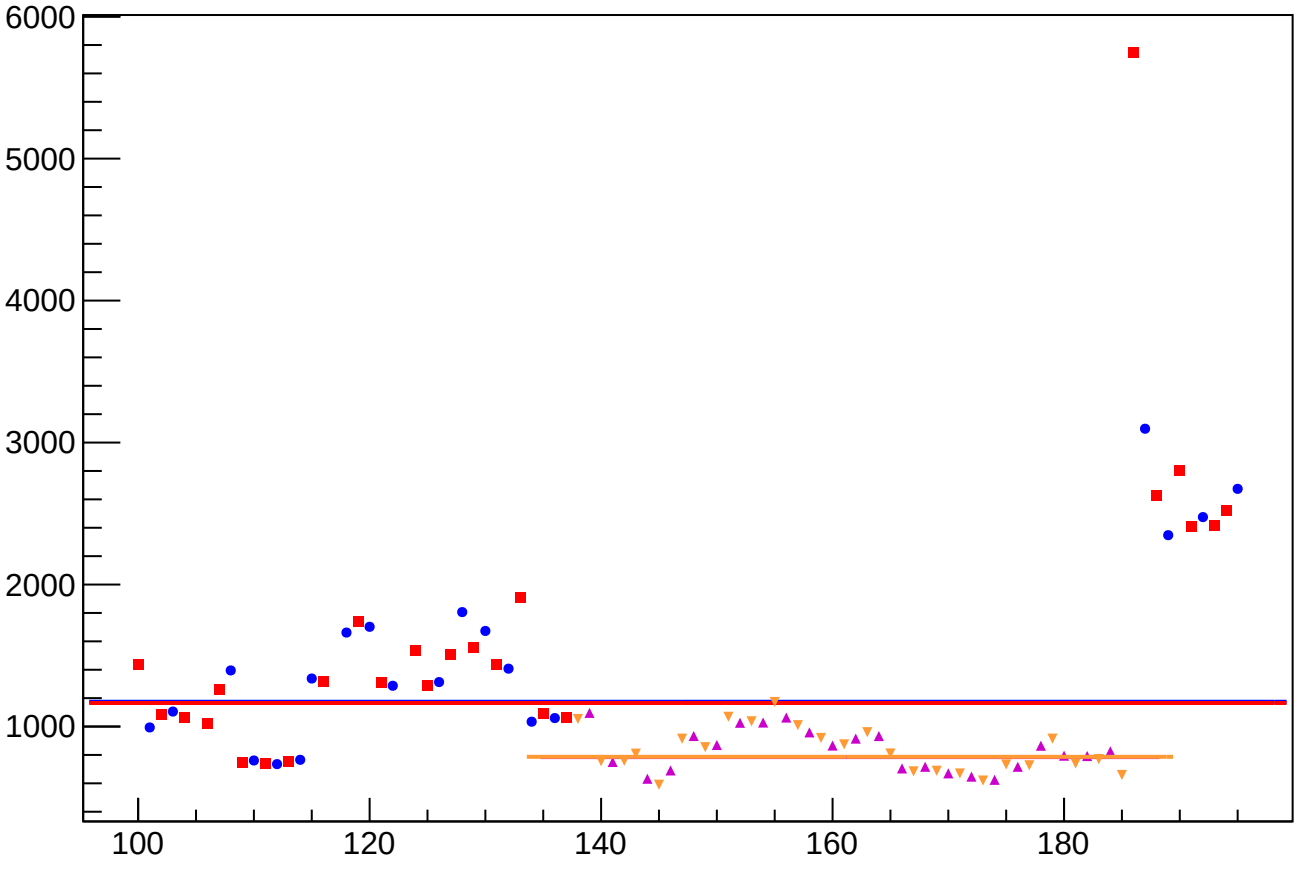
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -778.187+/-166.202 χ^2/NDF: 93.3/44

All: -547.679+/-118.127 χ^2/NDF: 146.1/92

- sign -312.373+/-167.923 χ^2/NDF: 49.0/47

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: 1165.905+/-0.272 χ^2/NDF: 3773780.9/24

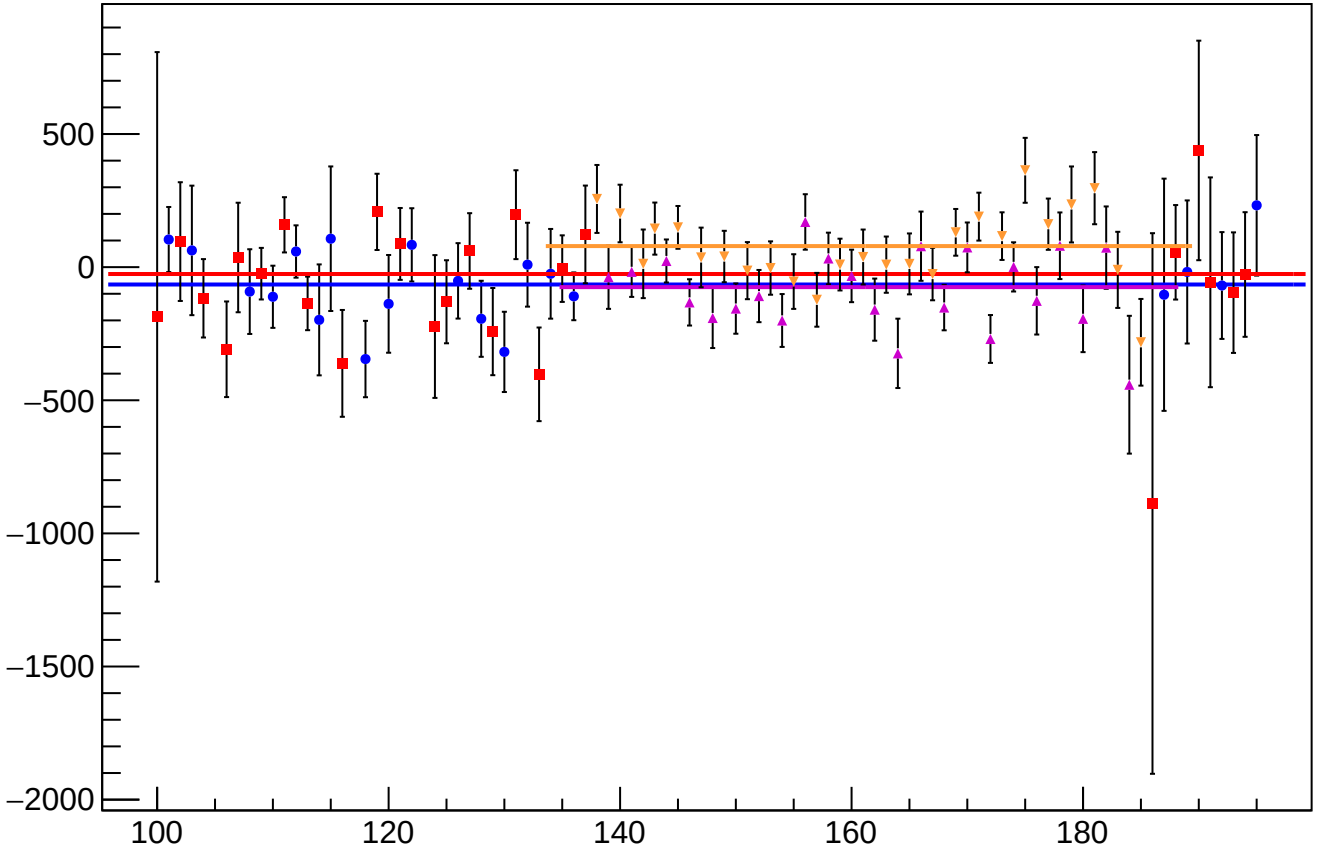
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 851.811+/-0.118 χ^2/NDF: 5372425.5/44

All: 854.483+/-0.084 χ^2/NDF: 11795662.4/92

- sign 857.210+/-0.119 χ^2/NDF: 6422192.6/47

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: -25.780+/-32.696 χ^2/NDF: 26.3/24

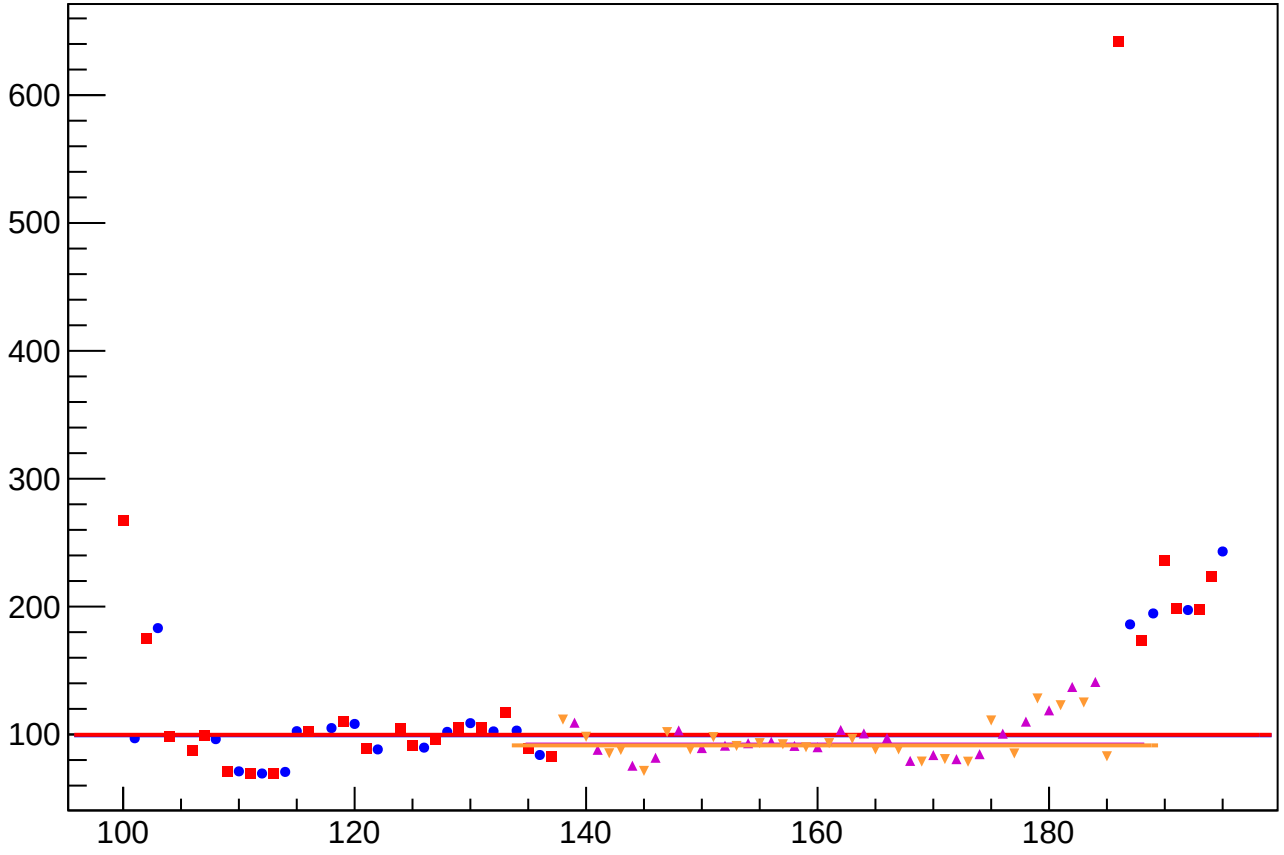
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.846+/-17.918 χ^2/NDF: 60.4/44

All: -9.843+/-12.754 χ^2/NDF: 135.9/92

- sign -59.851+/-18.159 χ^2/NDF: 60.5/47

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: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

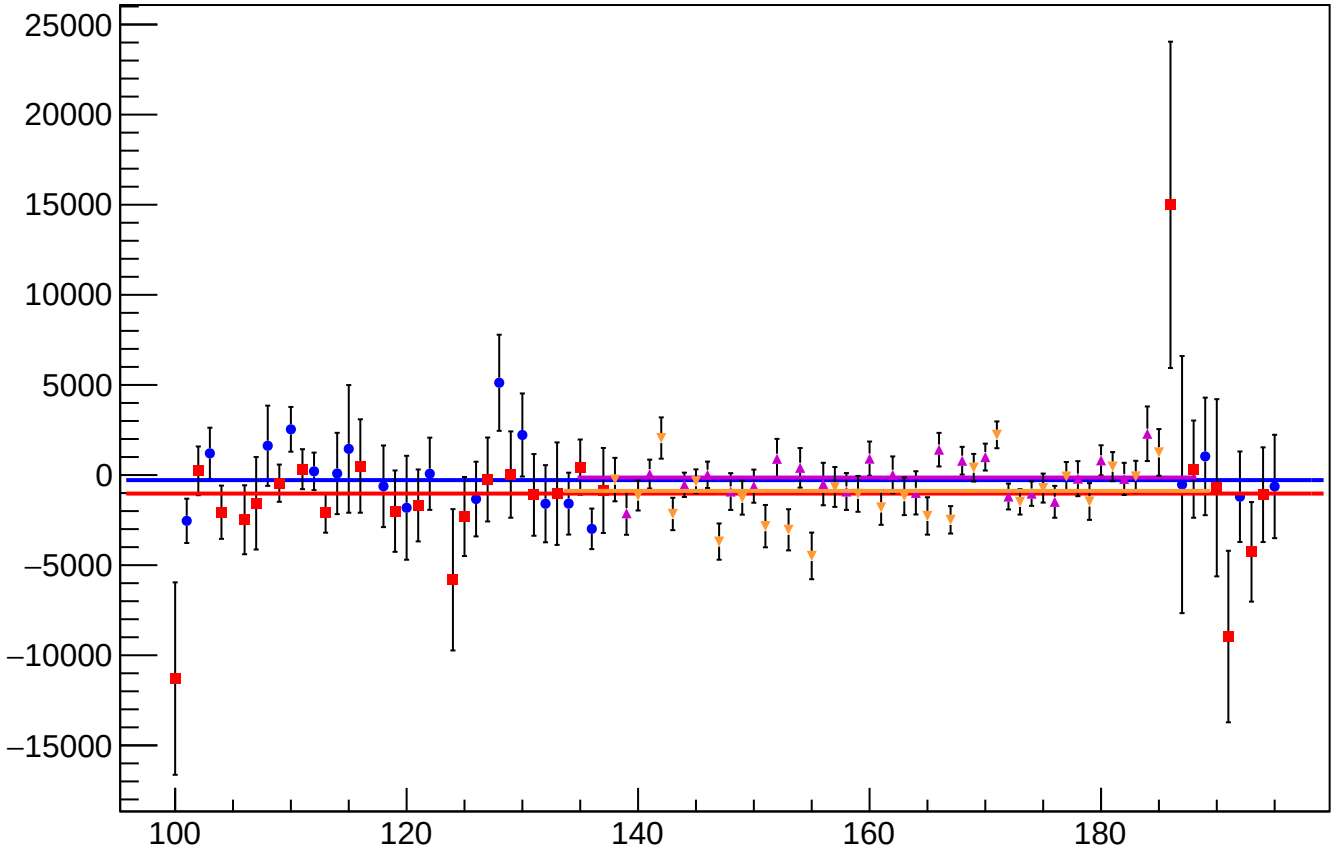
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908037.5/44

All: 94.054+/-0.009 χ^2/NDF: 6791119.7/92

- sign 94.456+/-0.013 χ^2/NDF: 3881144.2/47

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: -1027.638+/-386.032 χ^2/NDF: 19.7/24

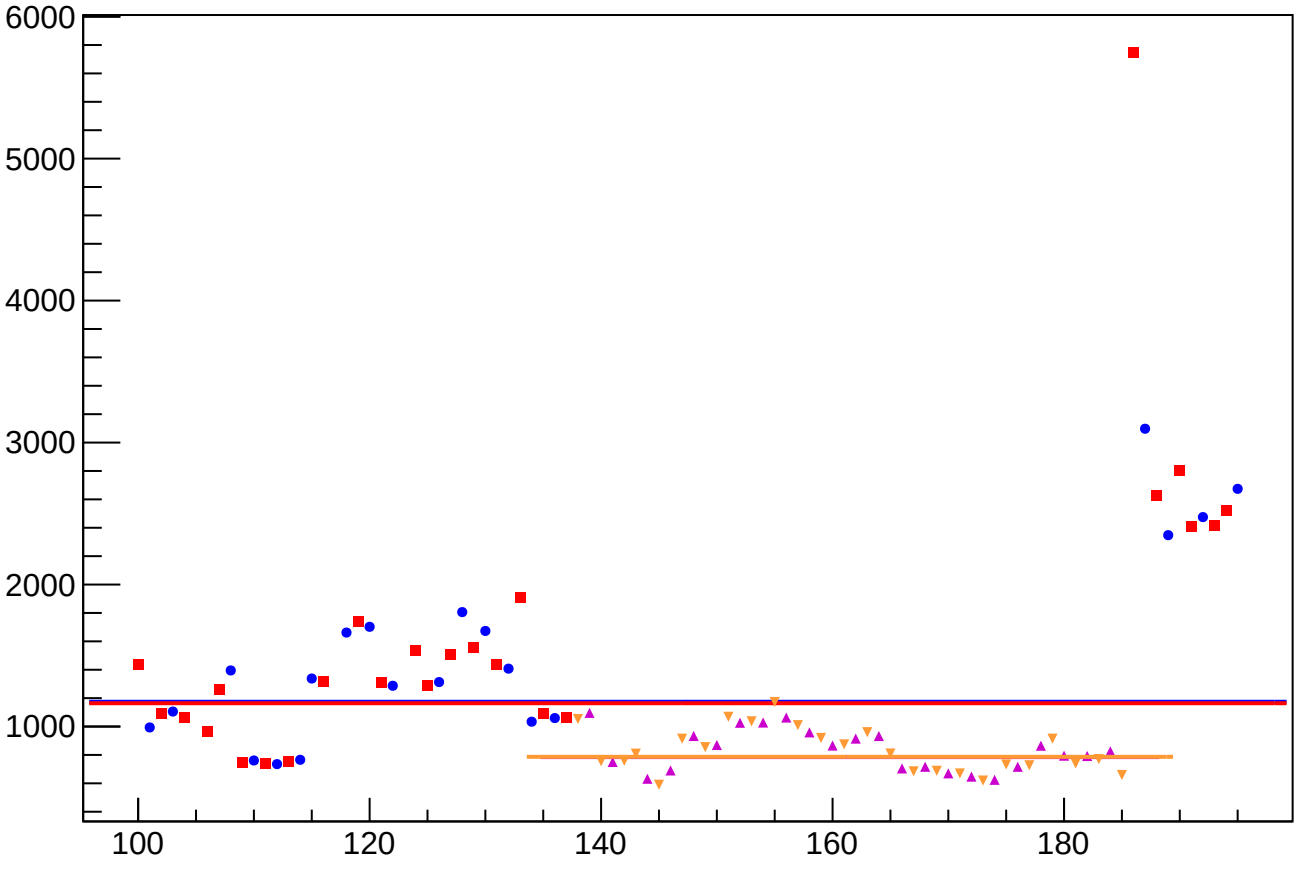
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.184+/-166.203 χ^2/NDF: 93.3/44

All: -545.127+/-118.147 χ^2/NDF: 145.4/92

- sign -307.051+/-167.983 χ^2/NDF: 48.2/47

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: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

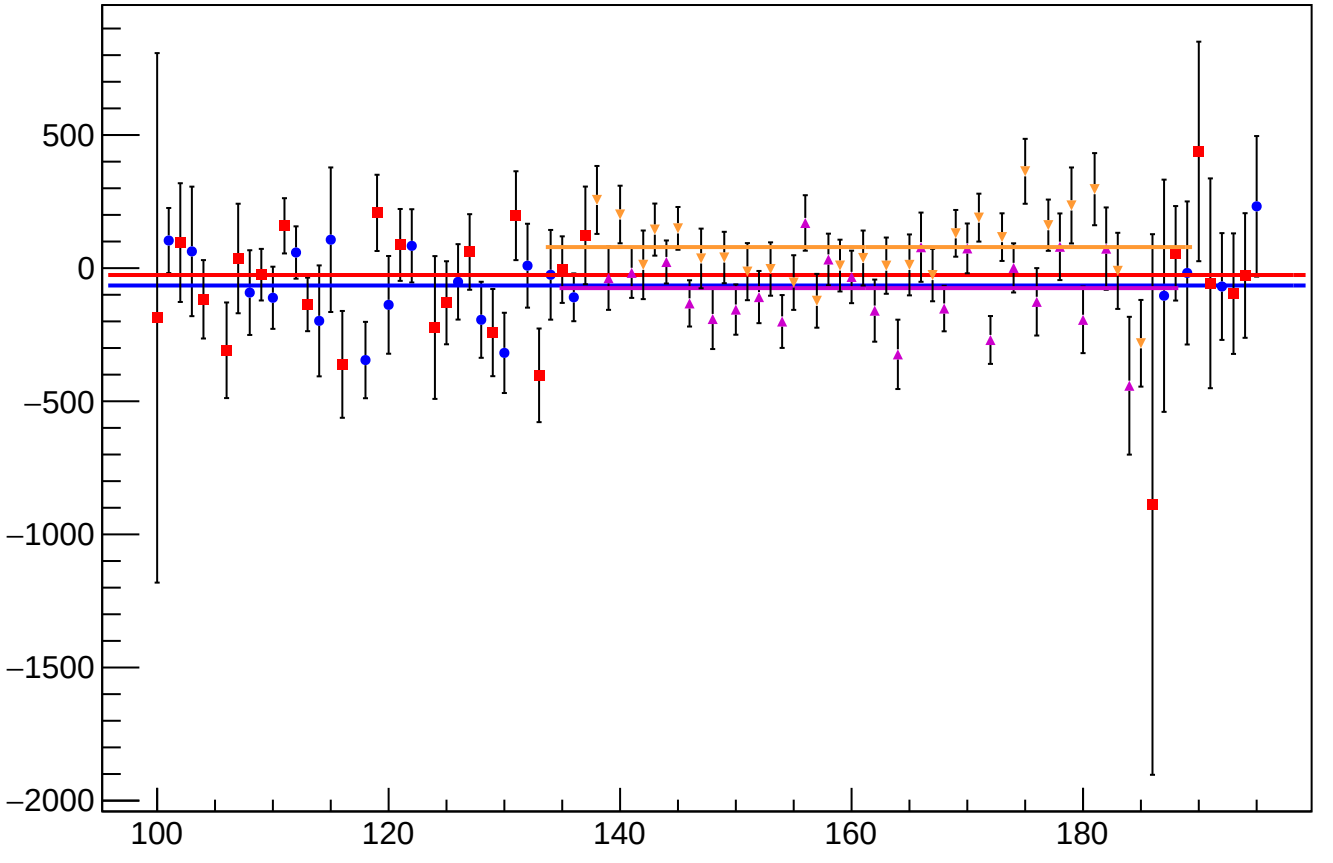
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 851.812+/-0.118 χ^2/NDF: 5372468.4/44

All: 854.212+/-0.084 χ^2/NDF: 11785856.8/92

- sign 856.665+/-0.119 χ^2/NDF: 6412544.9/47

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: -25.780+/-32.696 χ^2/NDF: 26.3/24

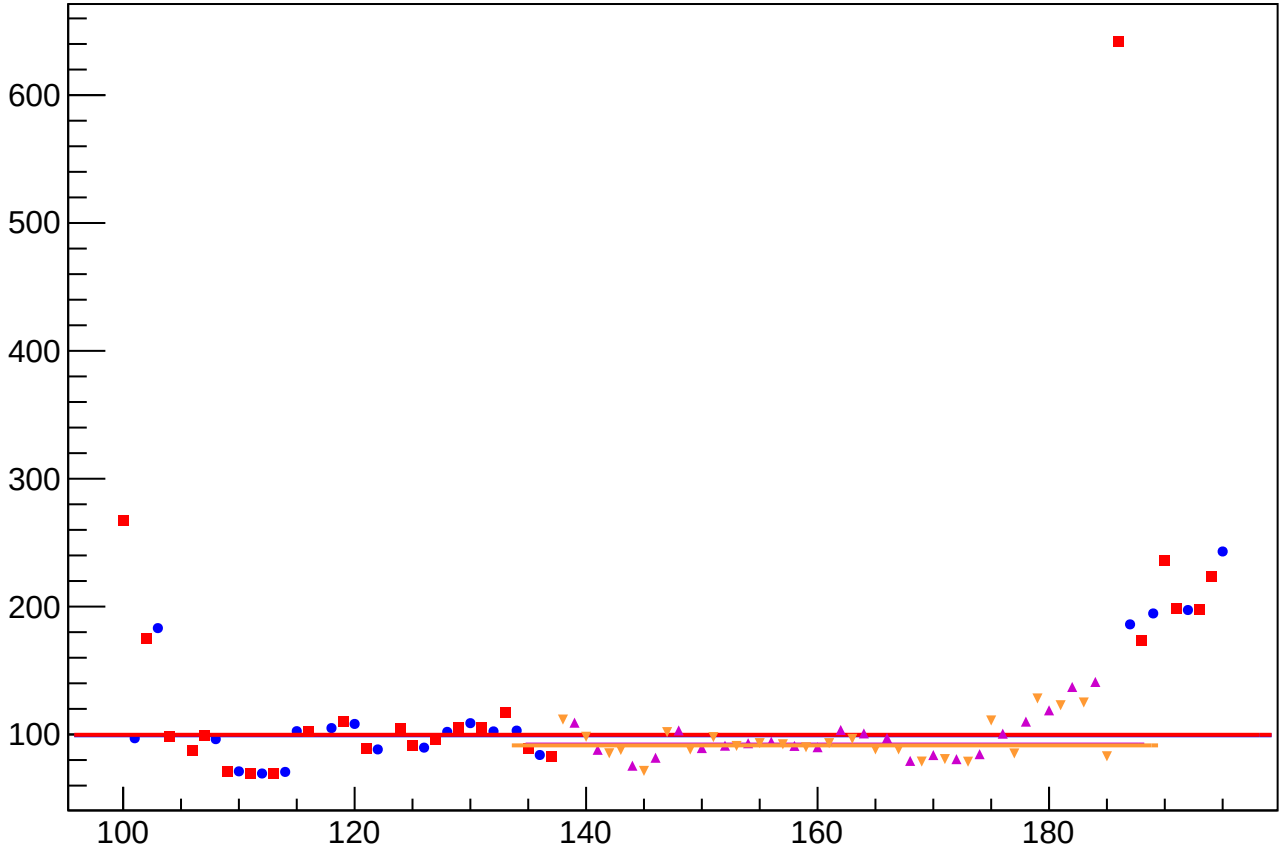
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.846+/-17.918 χ^2/NDF: 60.4/44

All: -9.843+/-12.754 χ^2/NDF: 135.9/92

- sign -59.851+/-18.159 χ^2/NDF: 60.5/47

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

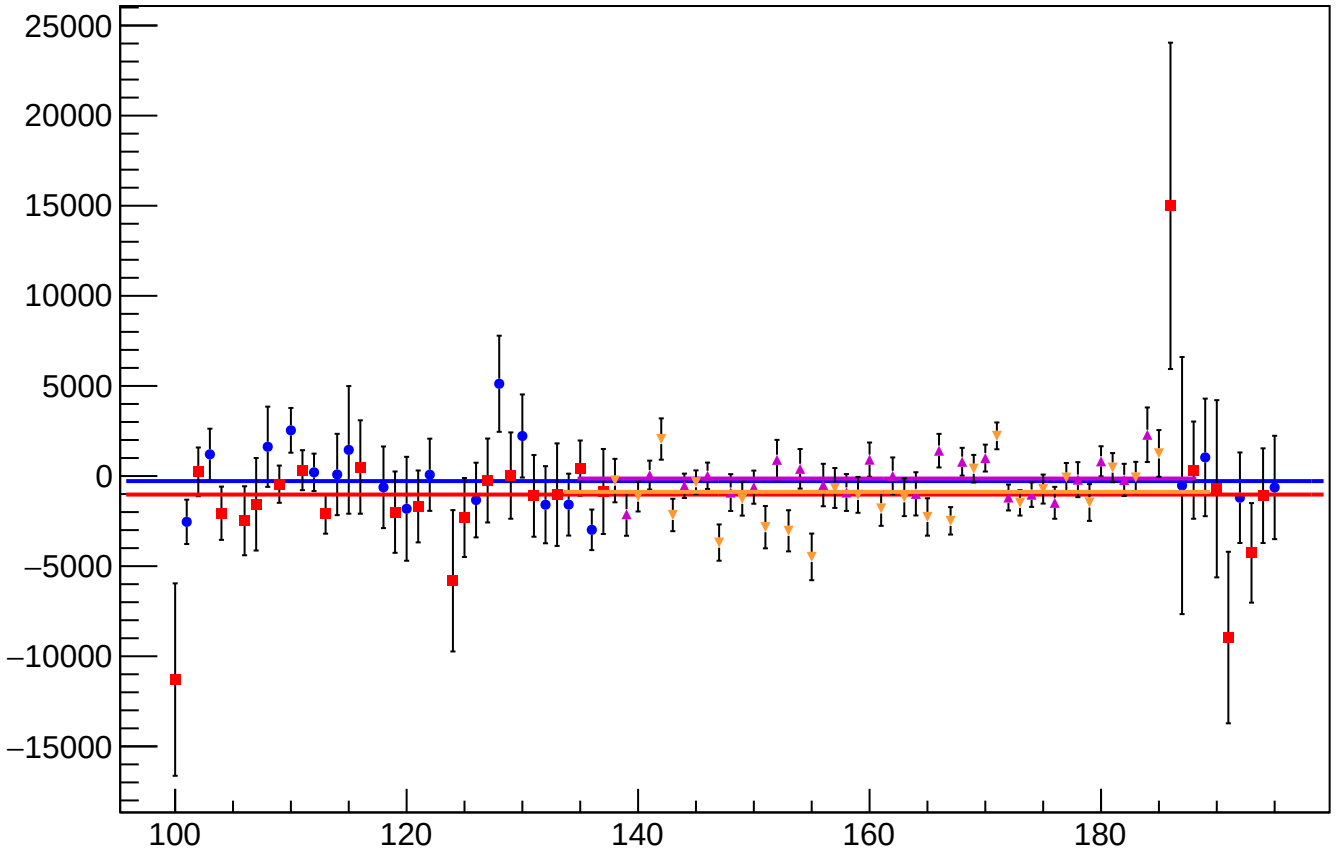
Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 93.662+/-0.013 χ^2/NDF: 2908037.5/44

All: 94.054+/-0.009 χ^2/NDF: 6791119.7/92

- sign 94.456+/-0.013 χ^2/NDF: 3881144.2/47



Right In: -280.830+/-405.758 χ^2/NDF: 23.8/19

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

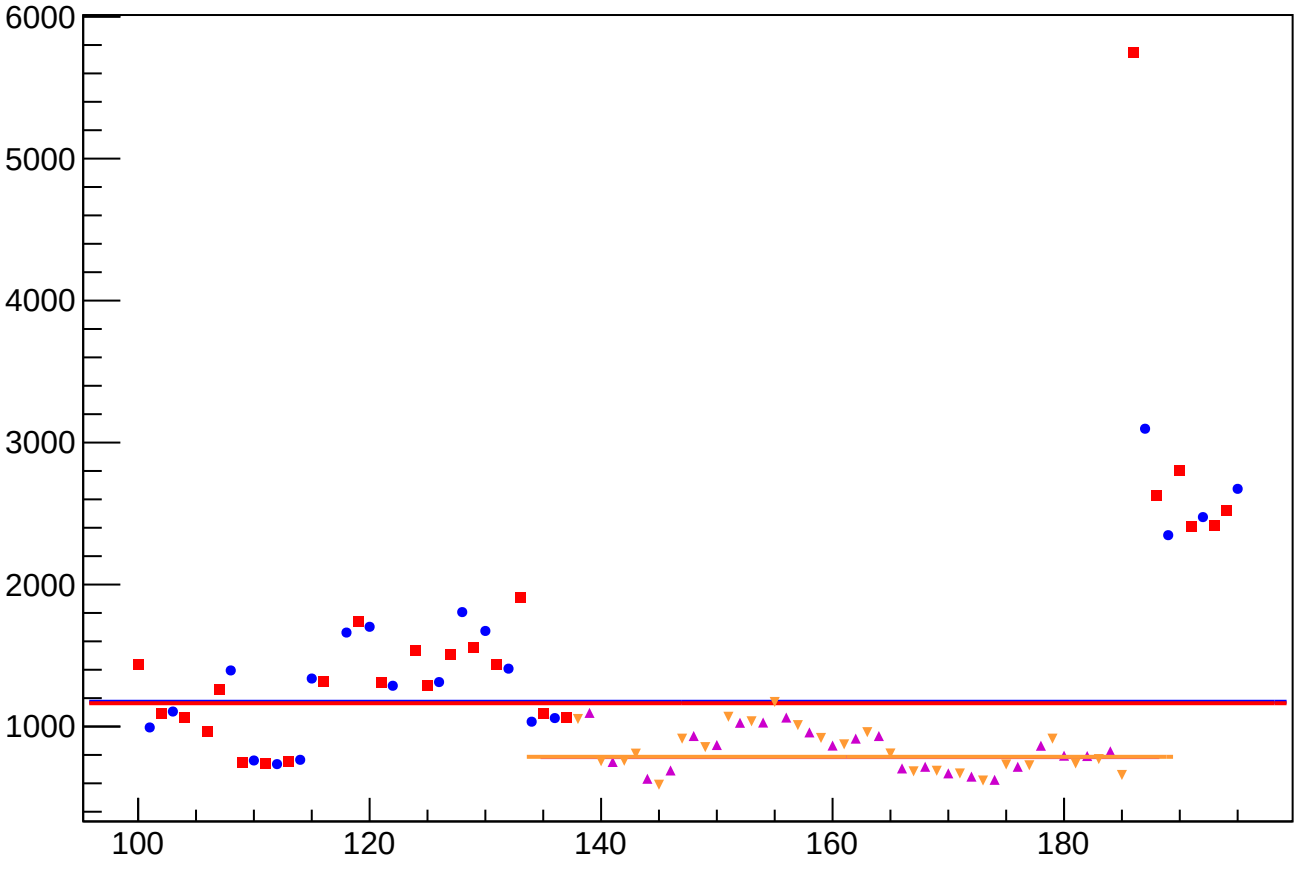
Right Out: -1027.638+/-386.032 χ^2/NDF: 19.7/24

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.184+/-166.203 χ^2/NDF: 93.3/44

All: -545.127+/-118.147 χ^2/NDF: 145.4/92

- sign -307.051+/-167.983 χ^2/NDF: 48.2/47



Right In: 1174.489+/-0.287 χ^2/NDF: 2641747.7/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

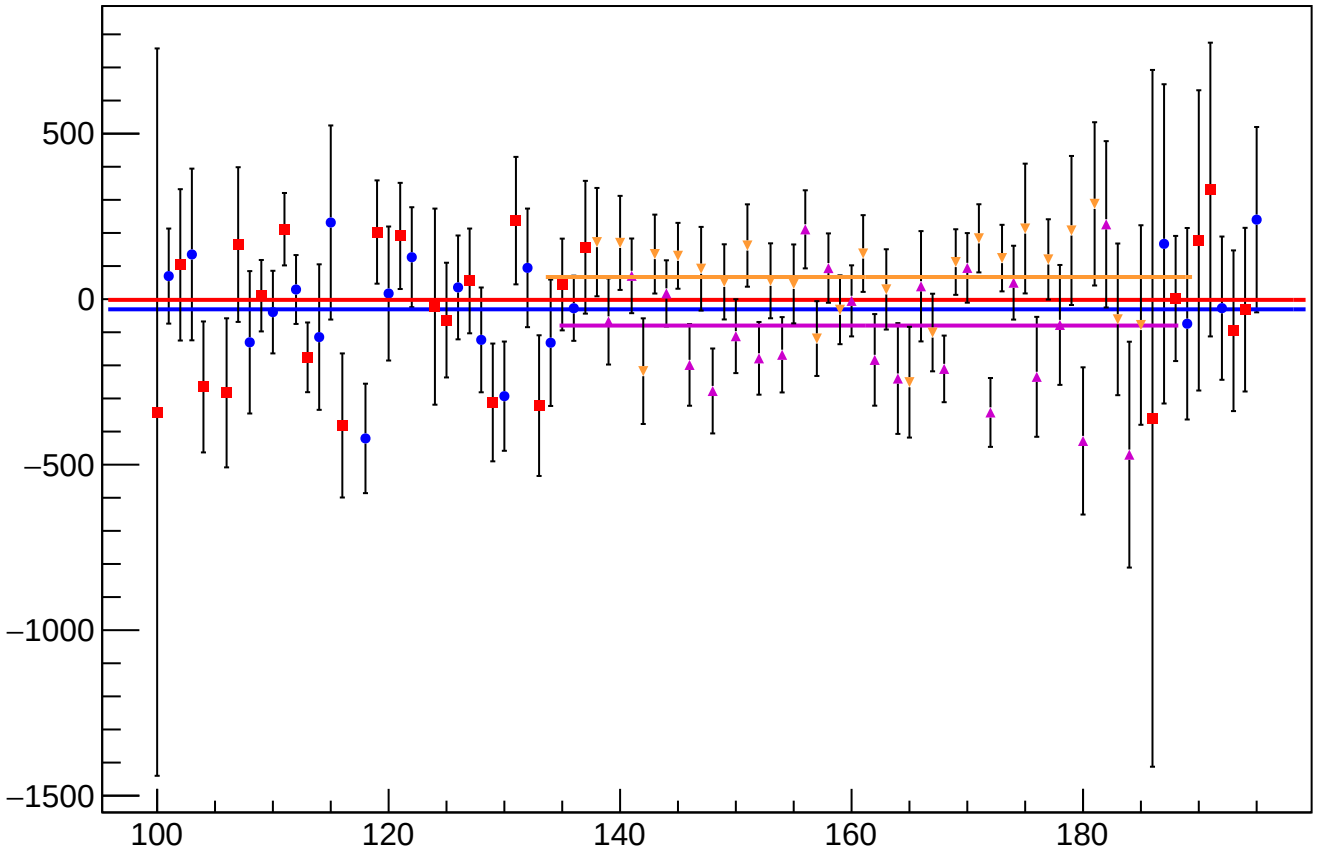
Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 851.812+/-0.118 χ^2/NDF: 5372468.4/44

All: 854.212+/-0.084 χ^2/NDF: 11785856.8/92

- sign 856.665+/-0.119 χ^2/NDF: 6412544.9/47



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: -2.142+/-36.304 χ^2/NDF: 25.7/24

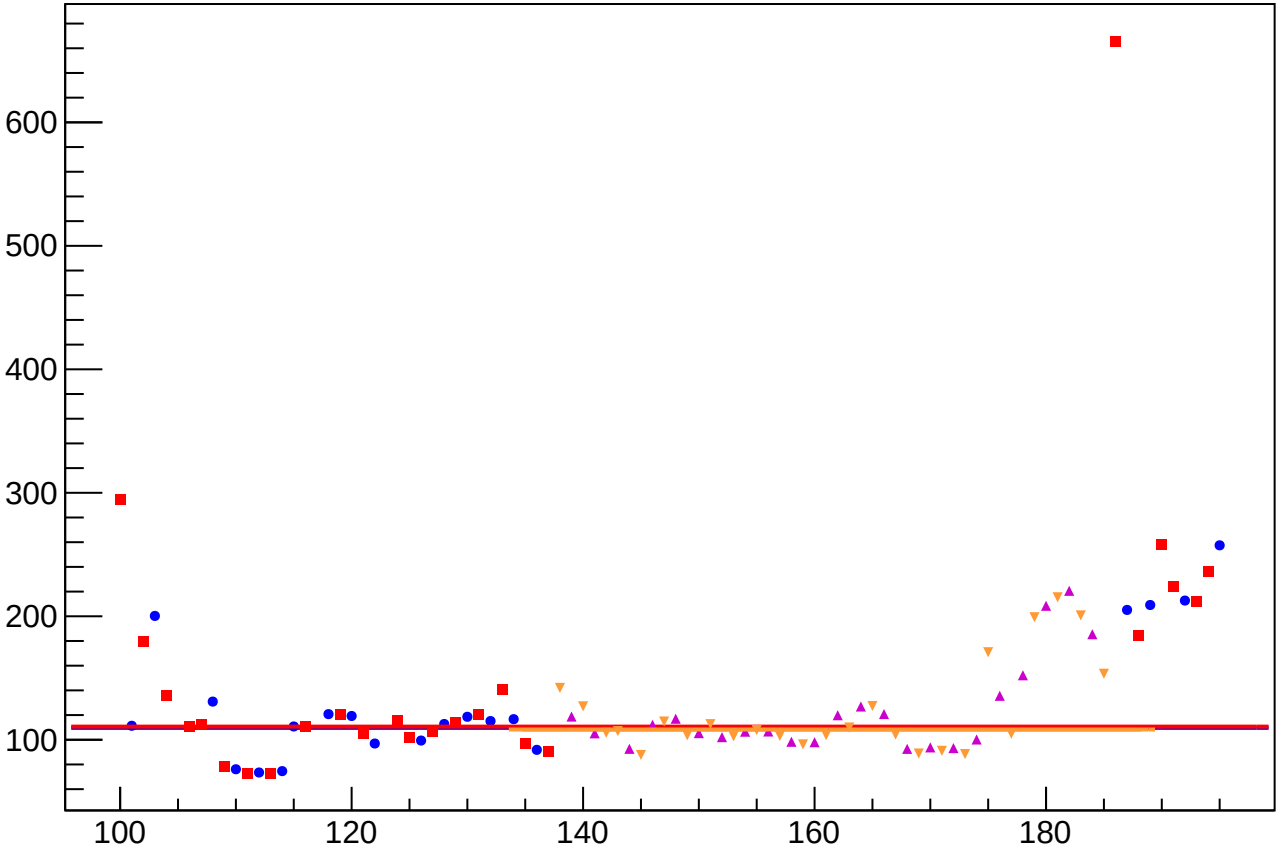
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.980+/-21.148 χ^2/NDF: 38.2/44

All: -8.221+/-15.007 χ^2/NDF: 112.7/92

- sign -53.052+/-21.298 χ^2/NDF: 65.7/47

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: 110.647+/-0.026 χ^2/NDF: 3112215.4/24

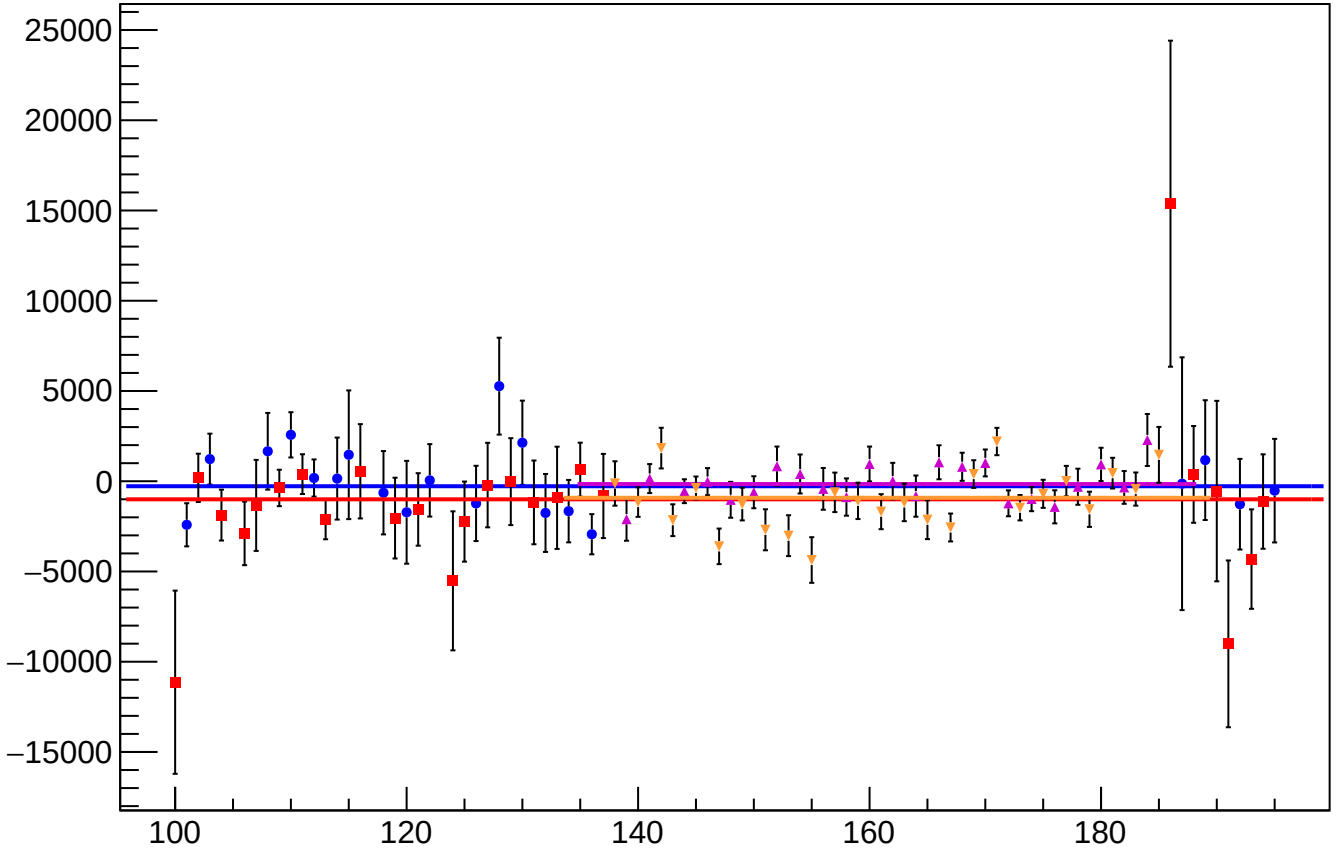
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 108.756+/-0.015 χ^2/NDF: 3916628.7/44

All: 108.993+/-0.011 χ^2/NDF: 8413369.9/92

- sign 109.234+/-0.015 χ^2/NDF: 4496234.1/47

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: -1002.369+/-381.095 χ^2/NDF: 21.2/24

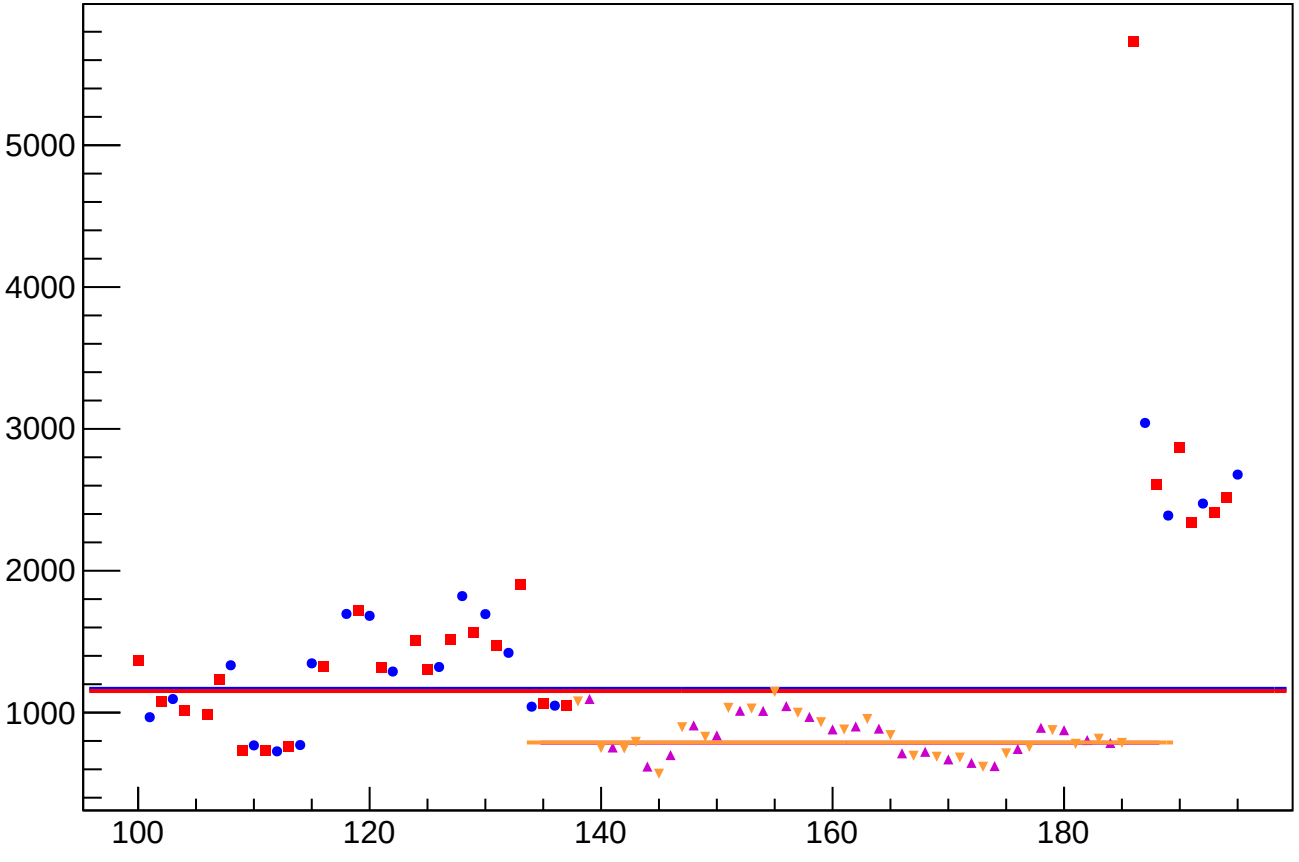
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -809.847+/-166.258 χ^2/NDF: 90.0/44

All: -567.572+/-118.160 χ^2/NDF: 142.5/92

- sign -320.303+/-167.962 χ^2/NDF: 48.2/47

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: 1152.006+/-0.269 χ^2/NDF: 3838766.6/24

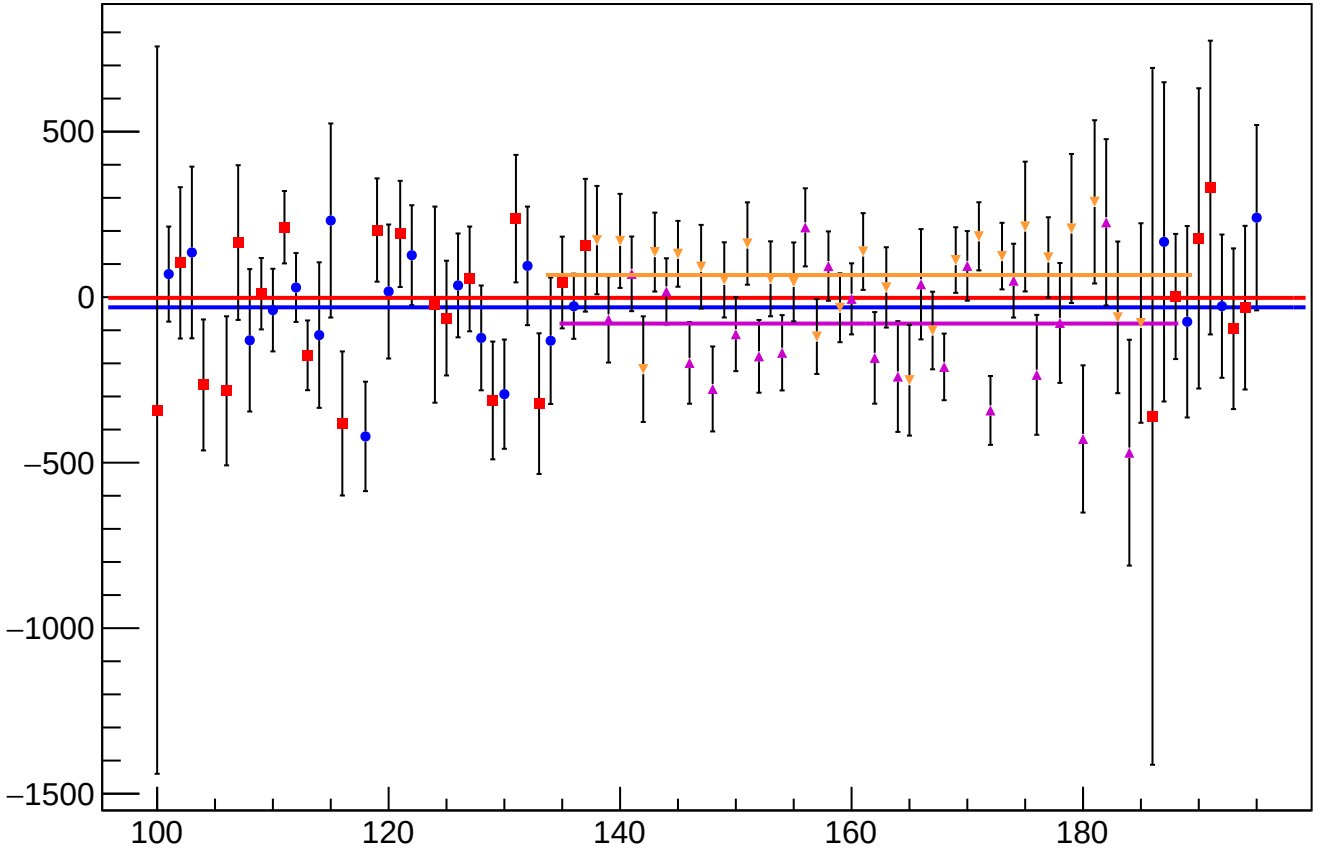
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 853.418+/-0.118 χ^2/NDF: 5322141.3/44

All: 855.792+/-0.084 χ^2/NDF: 11678276.2/92

- sign 858.216+/-0.119 χ^2/NDF: 6355310.7/47

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: -2.141+/-36.304 χ^2/NDF: 25.7/24

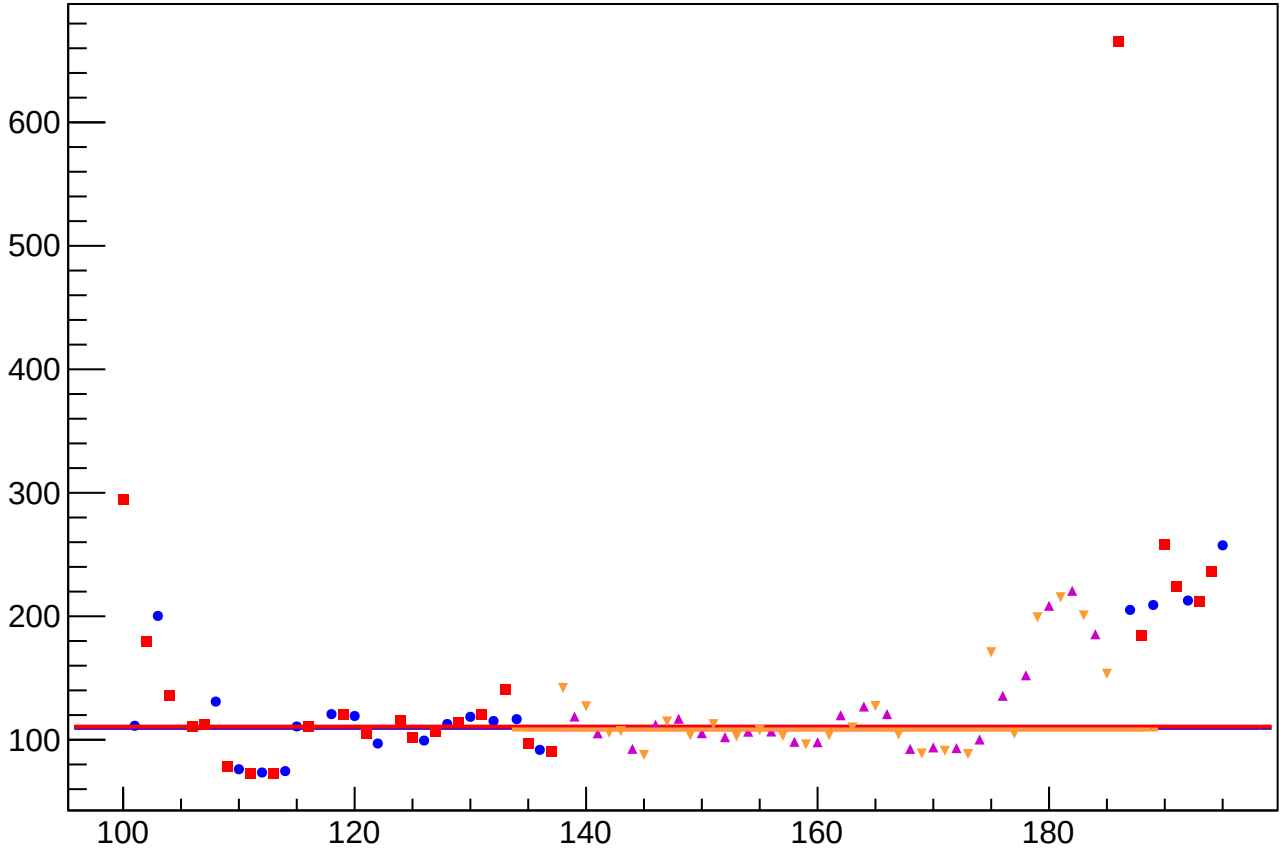
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.982+/-21.148 χ^2/NDF: 38.2/44

All: -8.220+/-15.007 χ^2/NDF: 112.7/92

- sign -53.051+/-21.298 χ^2/NDF: 65.7/47

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

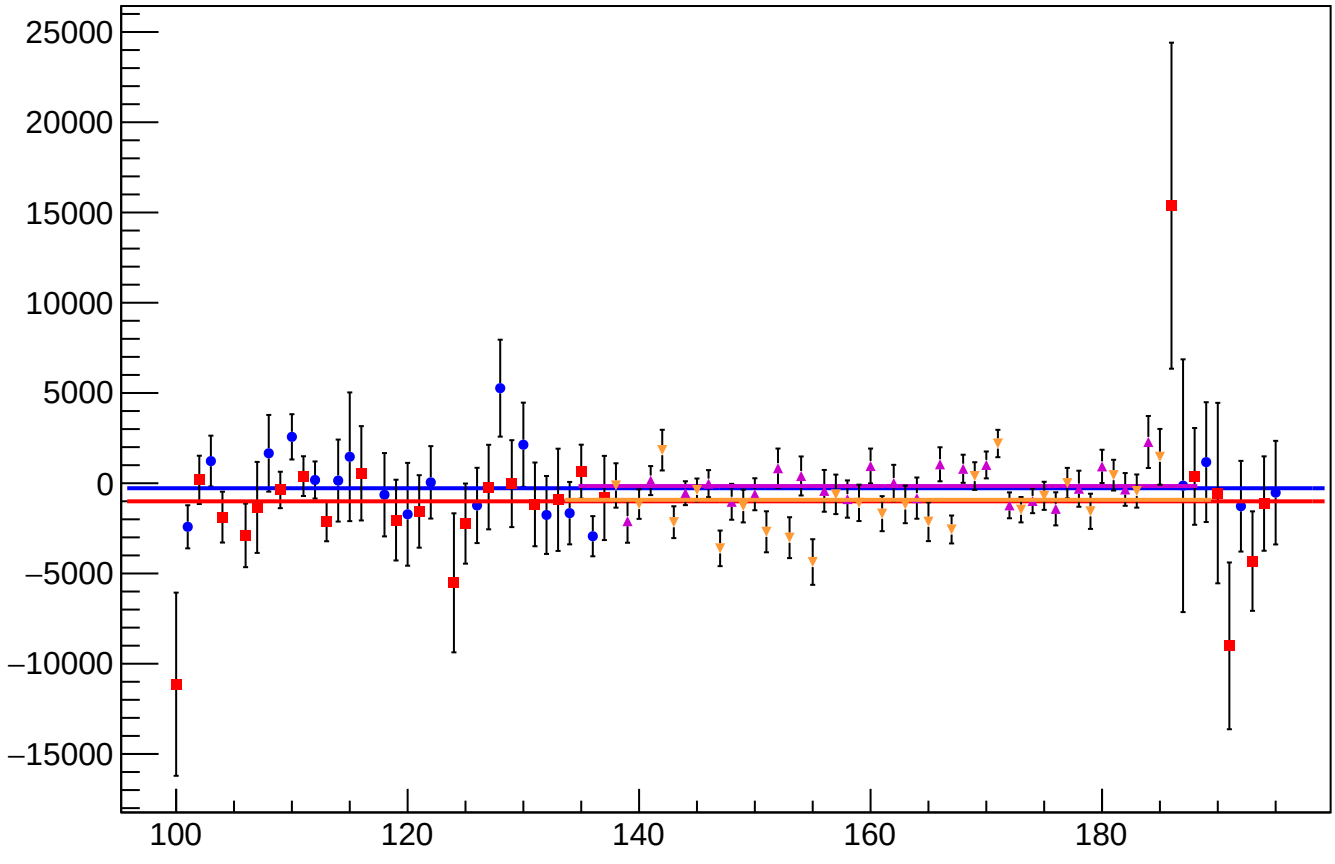
Right Out: 110.647+/-0.026 χ^2/NDF: 3112220.9/24

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 108.756+/-0.015 χ^2/NDF: 3916618.1/44

All: 108.994+/-0.011 χ^2/NDF: 8413345.1/92

- sign 109.234+/-0.015 χ^2/NDF: 4496219.9/47



Right In: -277.179+/-403.560 χ^2/NDF: 23.8/19

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

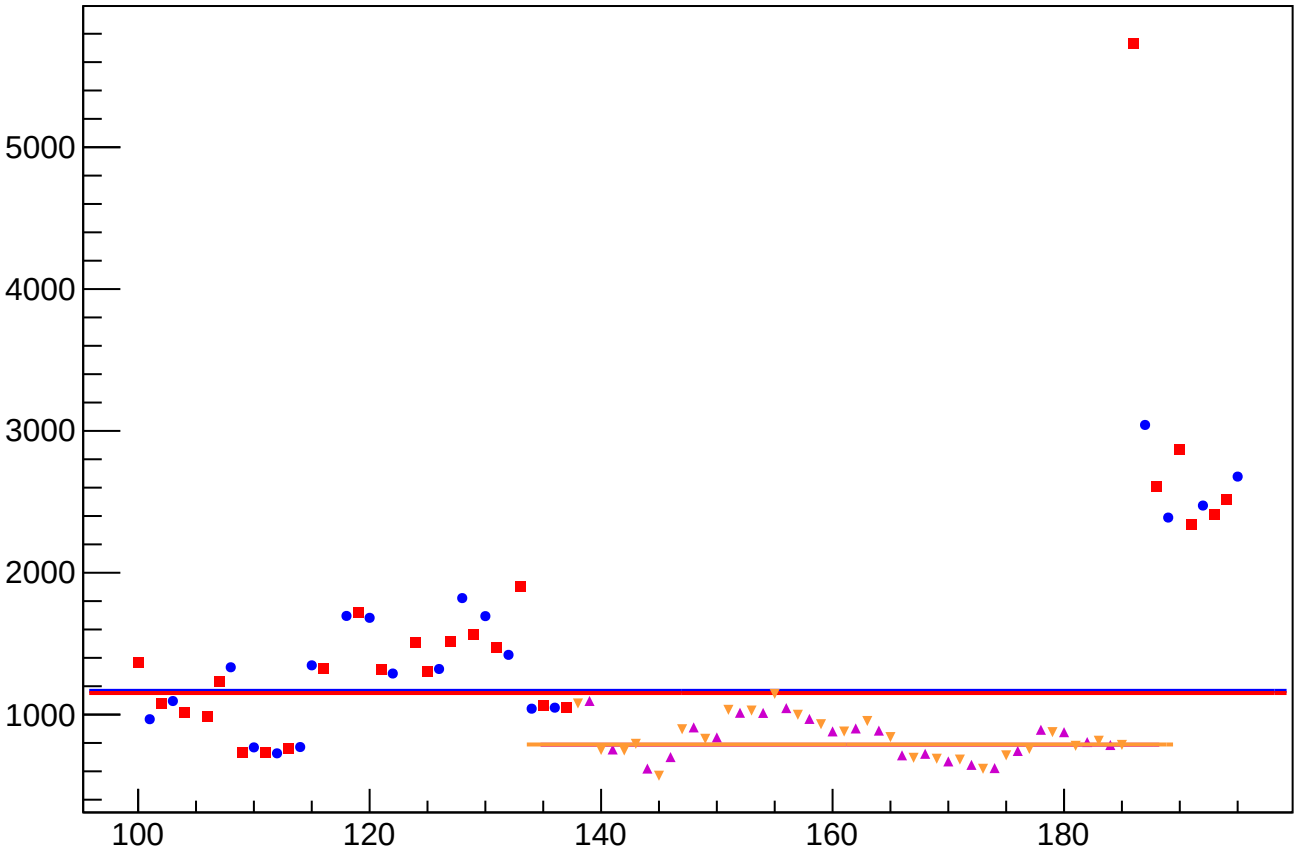
Right Out: -1002.367+/-381.095 χ^2/NDF: 21.2/24

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -809.846+/-166.257 χ^2/NDF: 90.0/44

All: -567.570+/-118.160 χ^2/NDF: 142.5/92

- sign -320.302+/-167.962 χ^2/NDF: 48.2/47



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: 1152.004+/-0.269 χ^2/NDF: 3838768.4/24

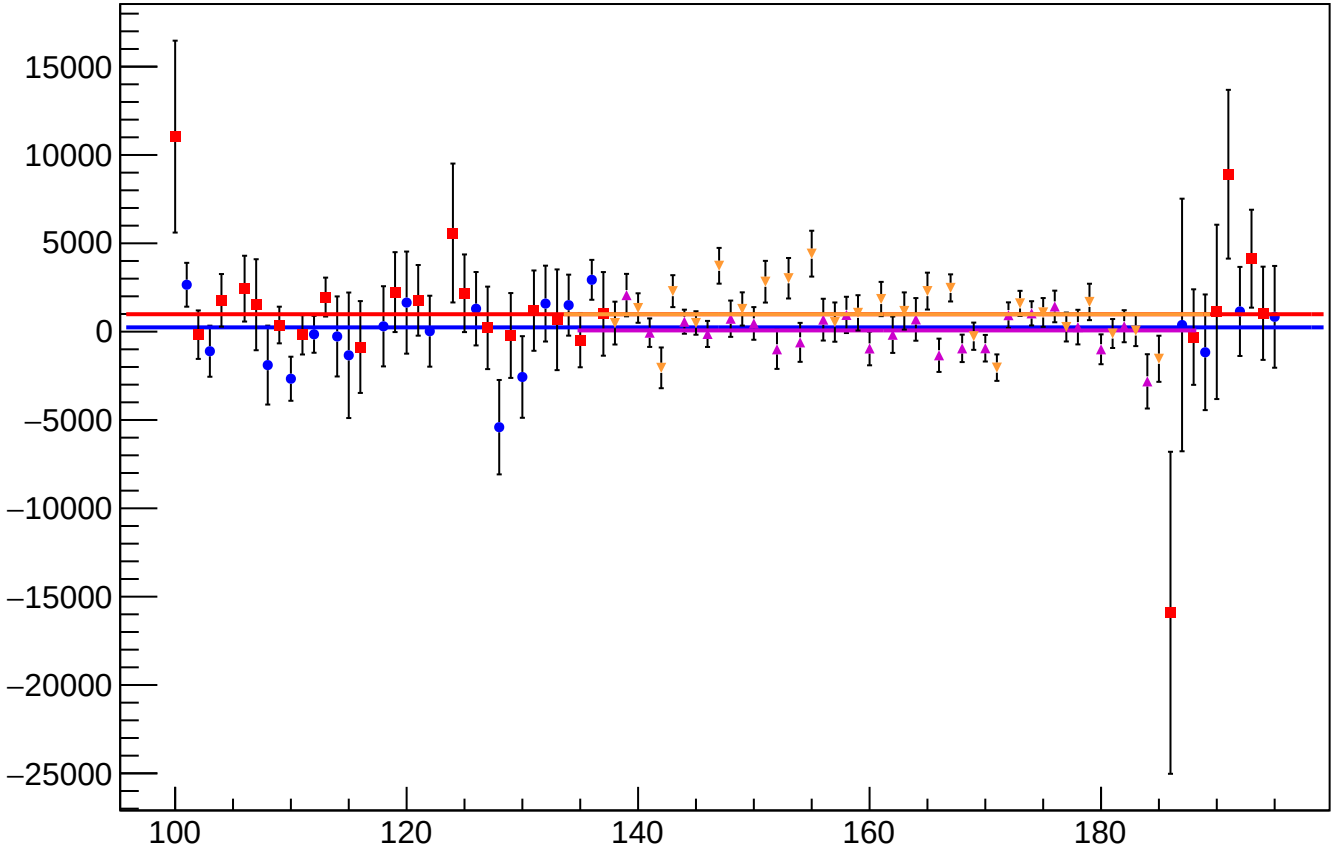
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

\+ sign 853.416+/-0.118 χ^2/NDF: 5322150.3/44

All: 855.791+/-0.084 χ^2/NDF: 11678288.3/92

\- sign 858.214+/-0.119 χ^2/NDF: 6355313.7/47

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: 986.887+/-387.439 χ^2/NDF: 18.9/24

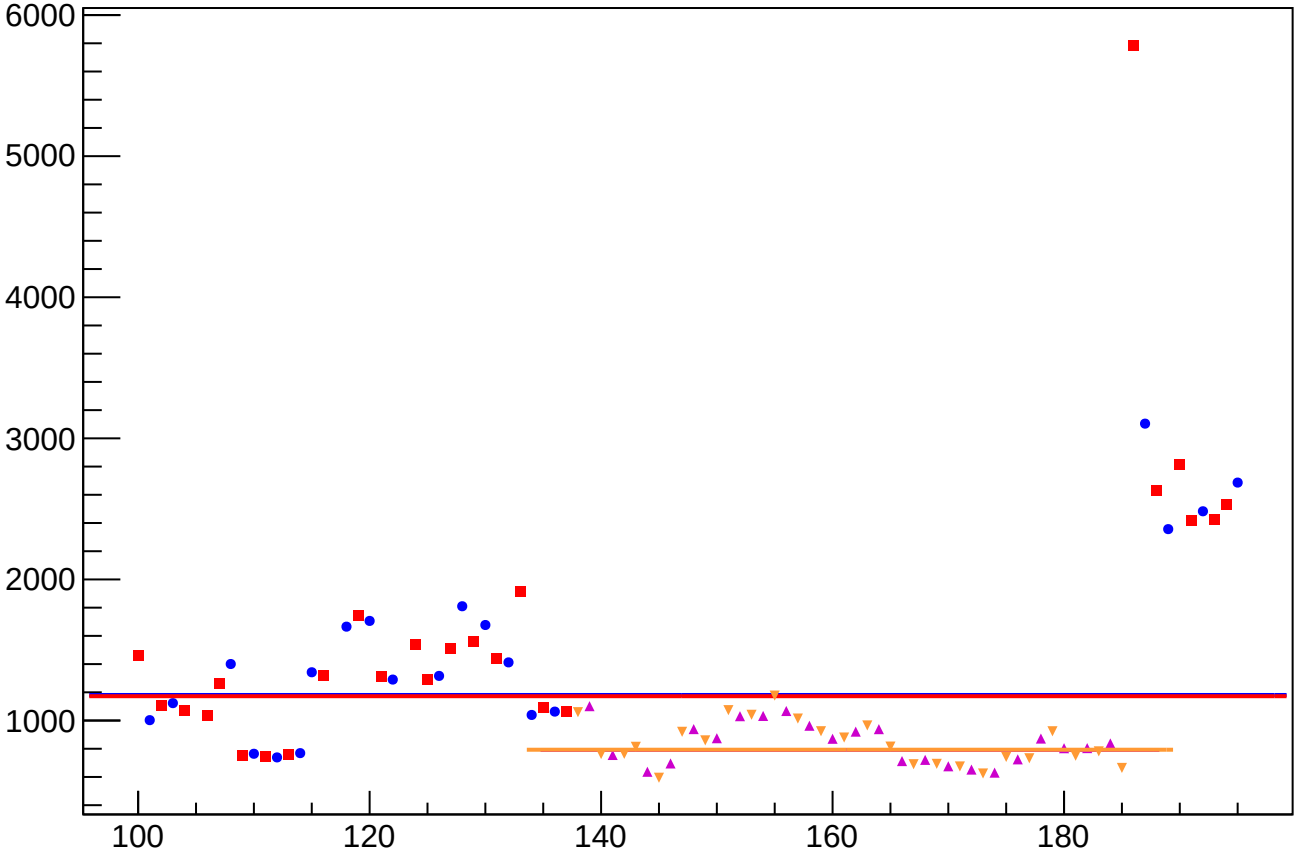
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 860.468+/-167.422 χ^2/NDF: 91.3/44

All: 555.855+/-118.997 χ^2/NDF: 145.8/92

- sign 244.867+/-169.165 χ^2/NDF: 47.9/47

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: 1172.395+/-0.274 χ^2/NDF: 3763283.2/24

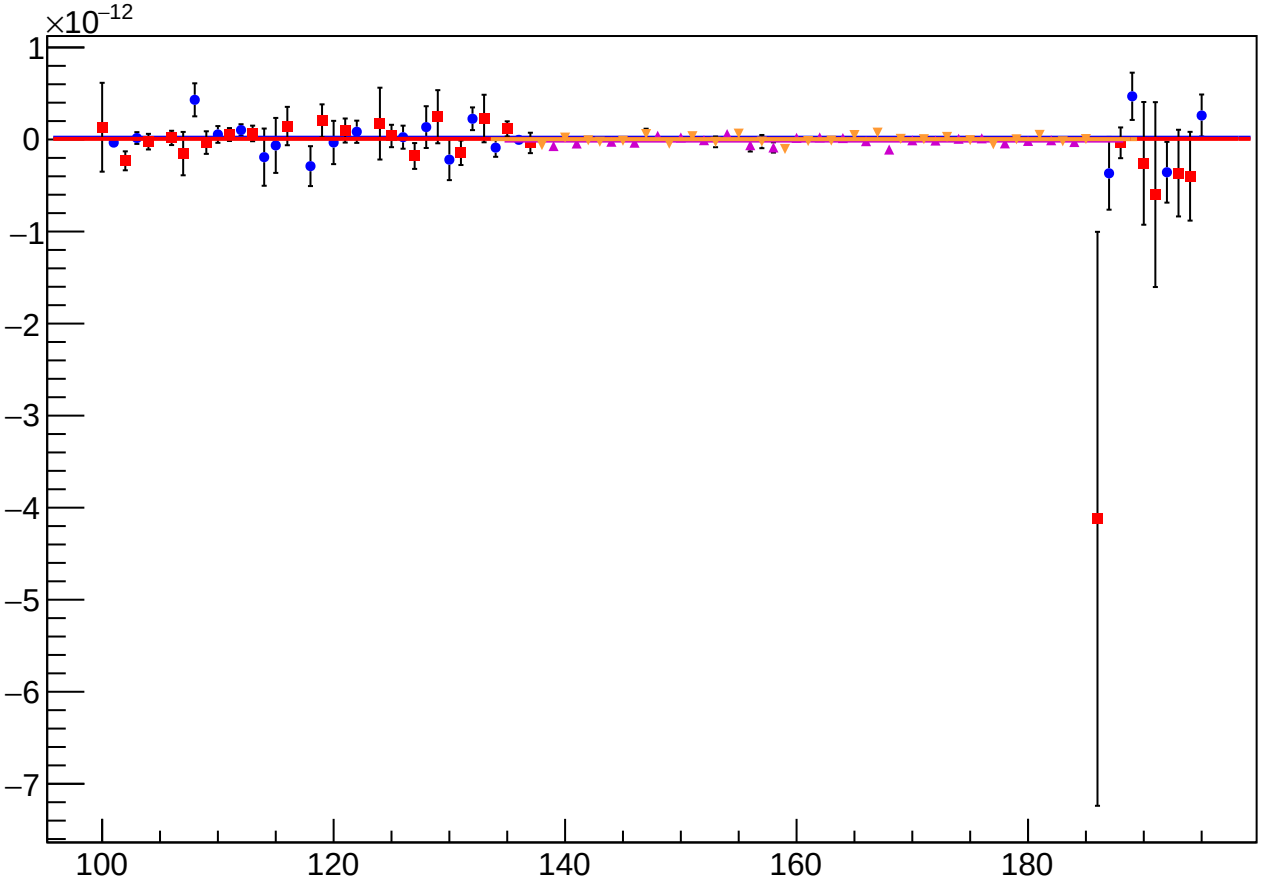
Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 858.423+/-0.118 χ^2/NDF: 5330009.1/44

All: 861.101+/-0.084 χ^2/NDF: 11710761.8/92

\- sign 863.835+/-0.120 χ^2/NDF: 6379718.7/47

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



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: 19.5/24

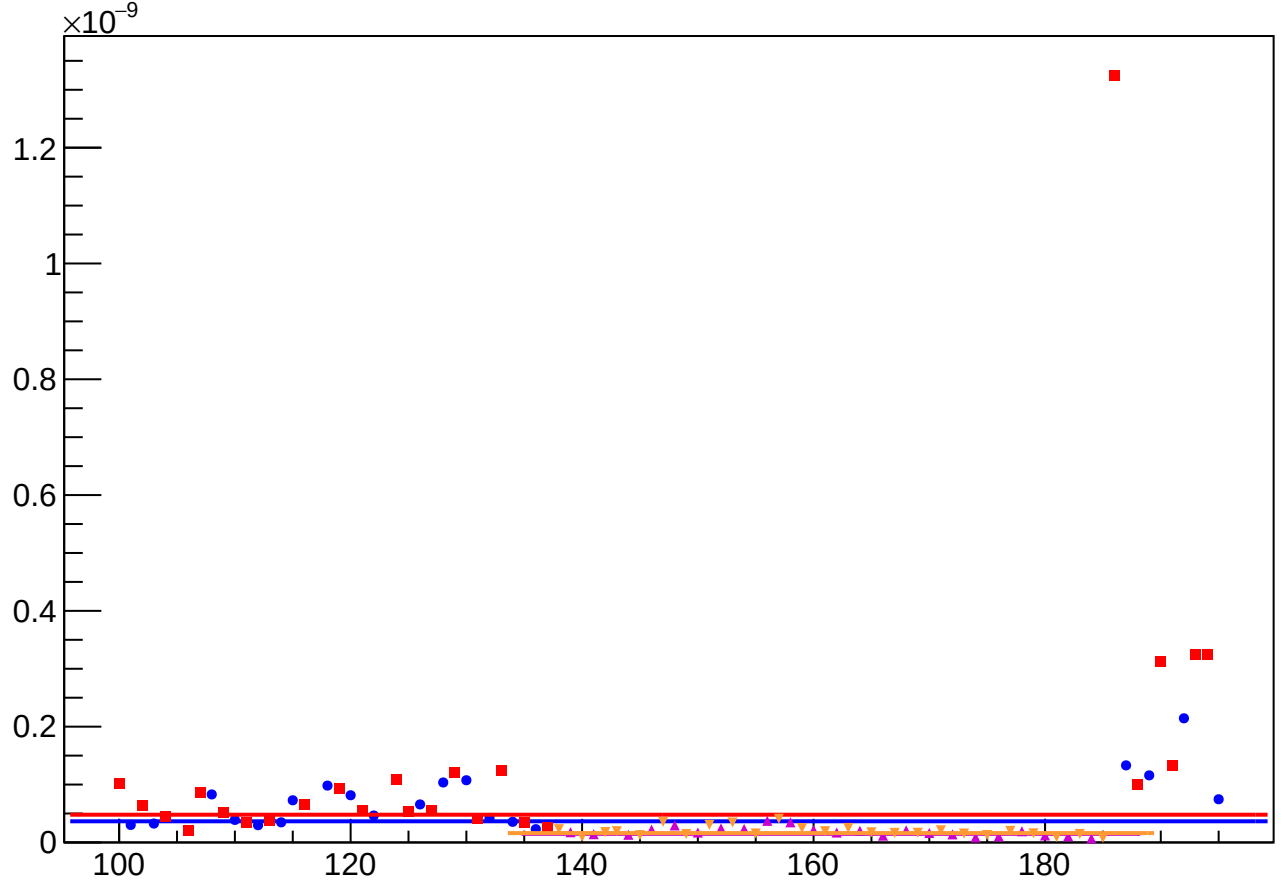
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/44

All: -0.000+/-0.000 χ^2/NDF: 106.4/92

- sign -0.000+/-0.000 χ^2/NDF: 45.3/47

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



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: 3316774.3/24

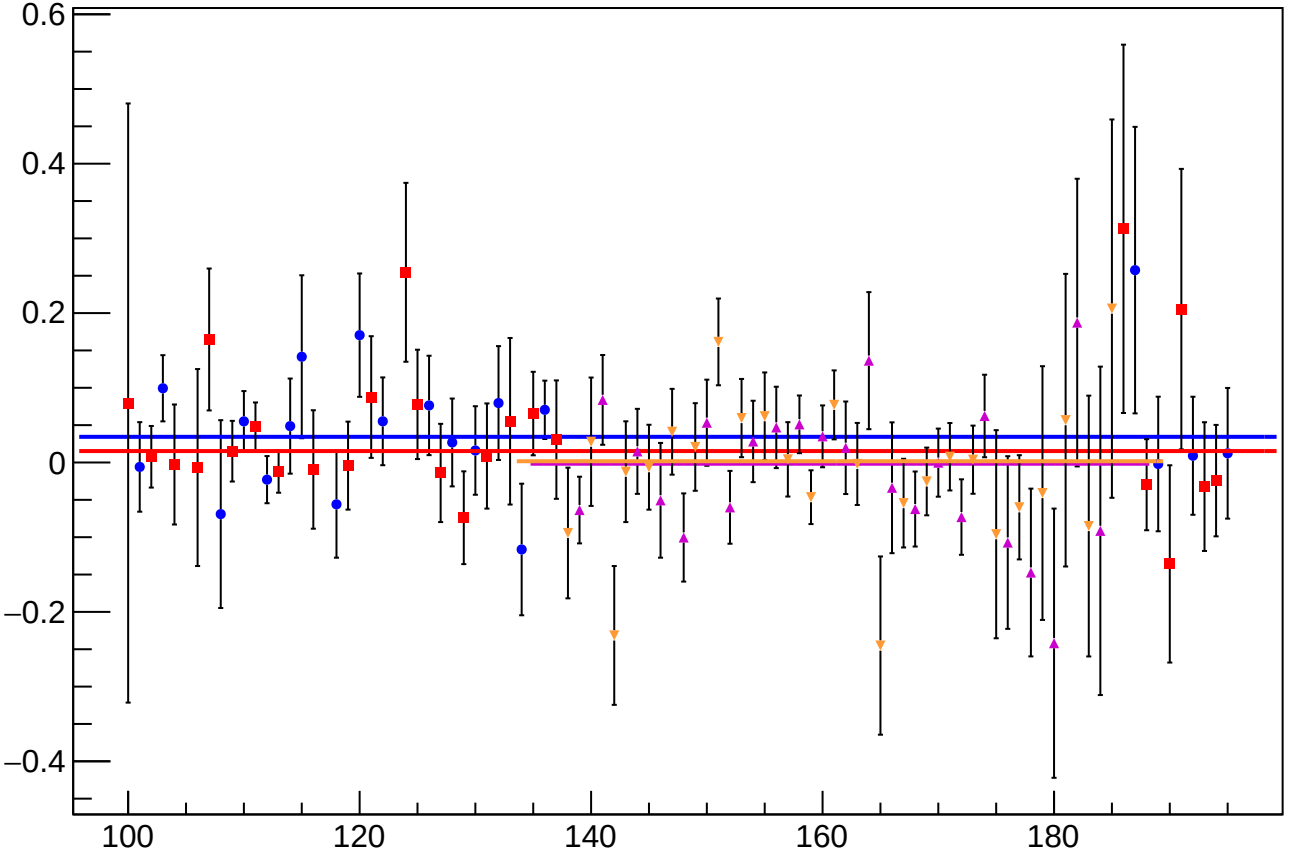
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5514980.5/44

All: 0.000+/-0.000 χ^2/NDF: 13483639.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7932875.2/47

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



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: 0.015+/-0.012 χ^2/NDF: 18.4/24

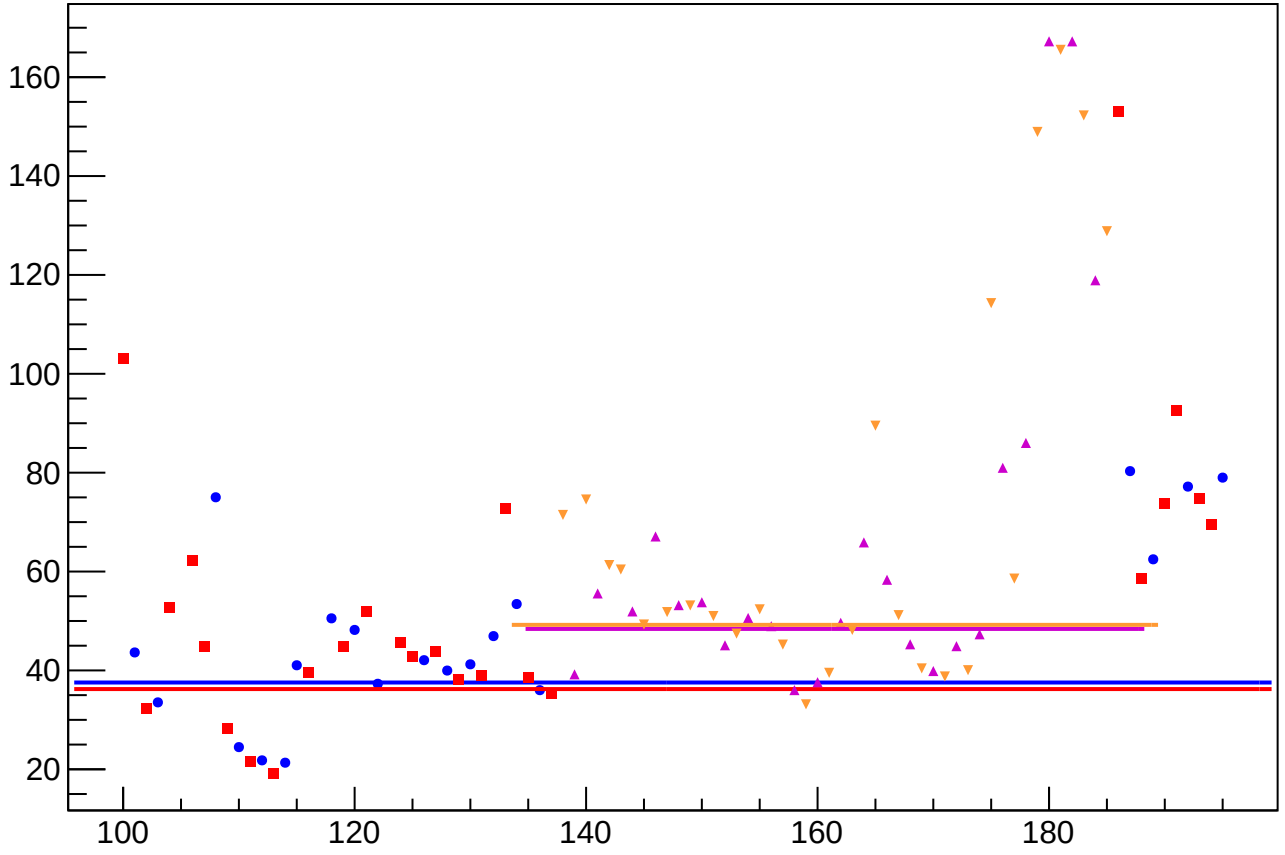
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/44

All: 0.012+/-0.006 χ^2/NDF: 98.3/92

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

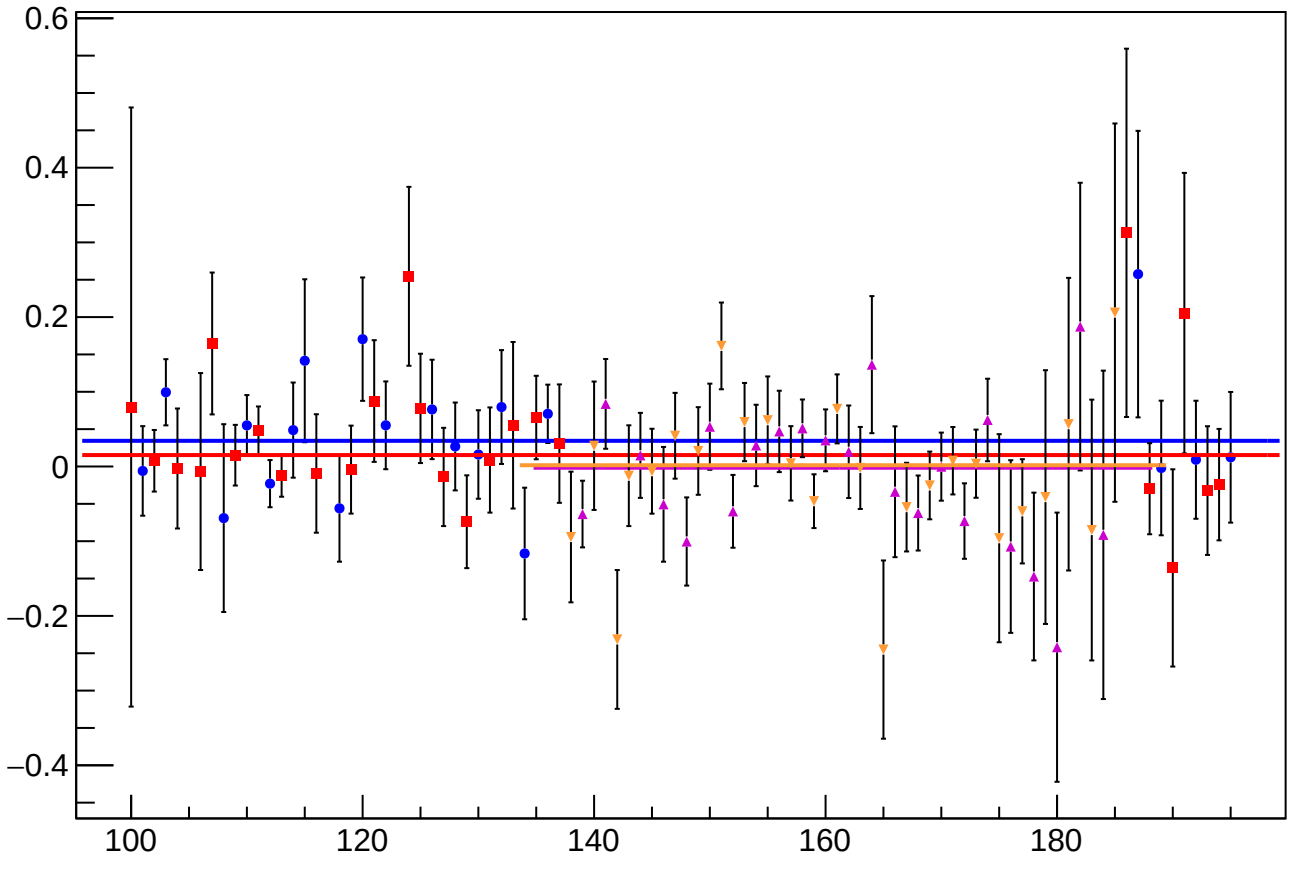
Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472734.0/44

All: 43.070+/-0.004 χ^2/NDF: 15214788.5/92

- sign 42.330+/-0.006 χ^2/NDF: 7712641.5/47



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

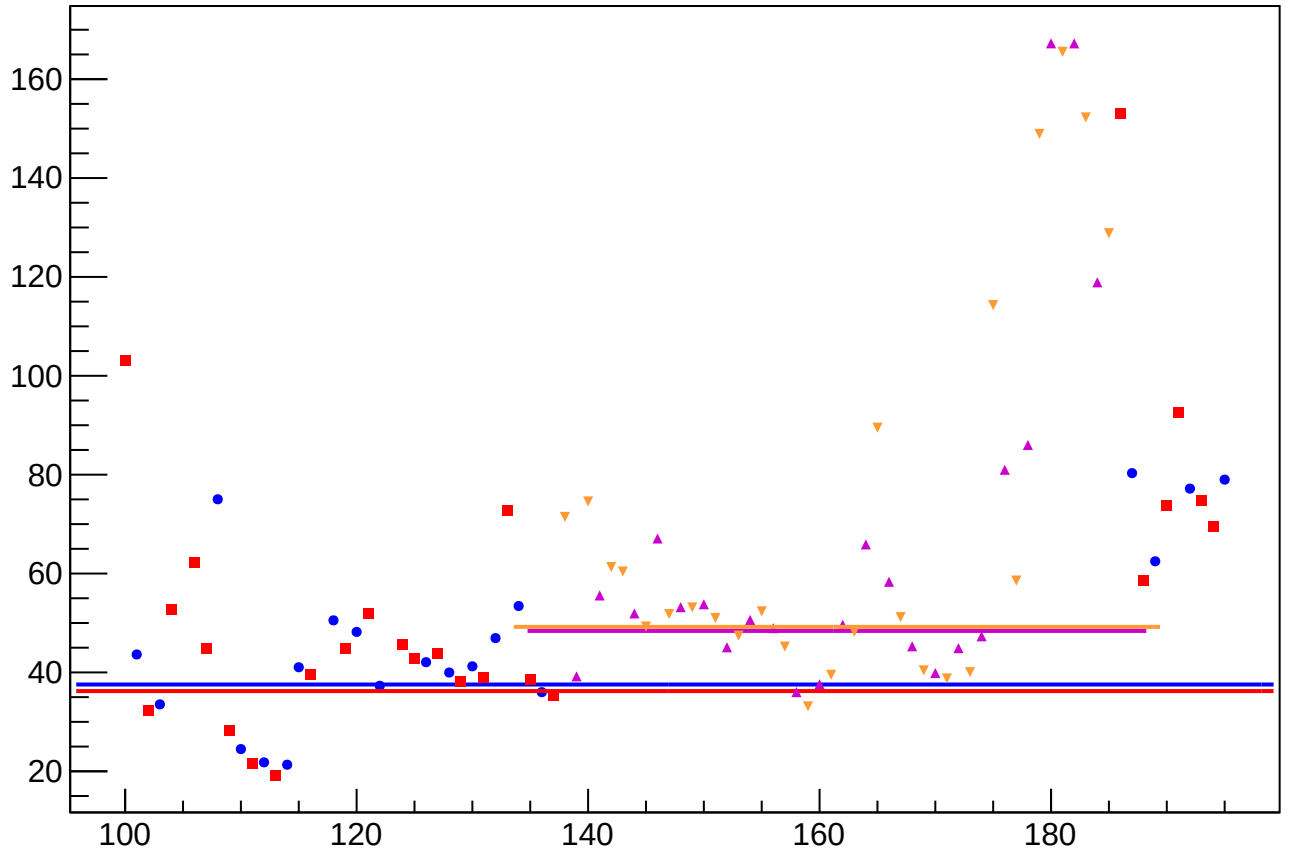
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

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: 98.3/92

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

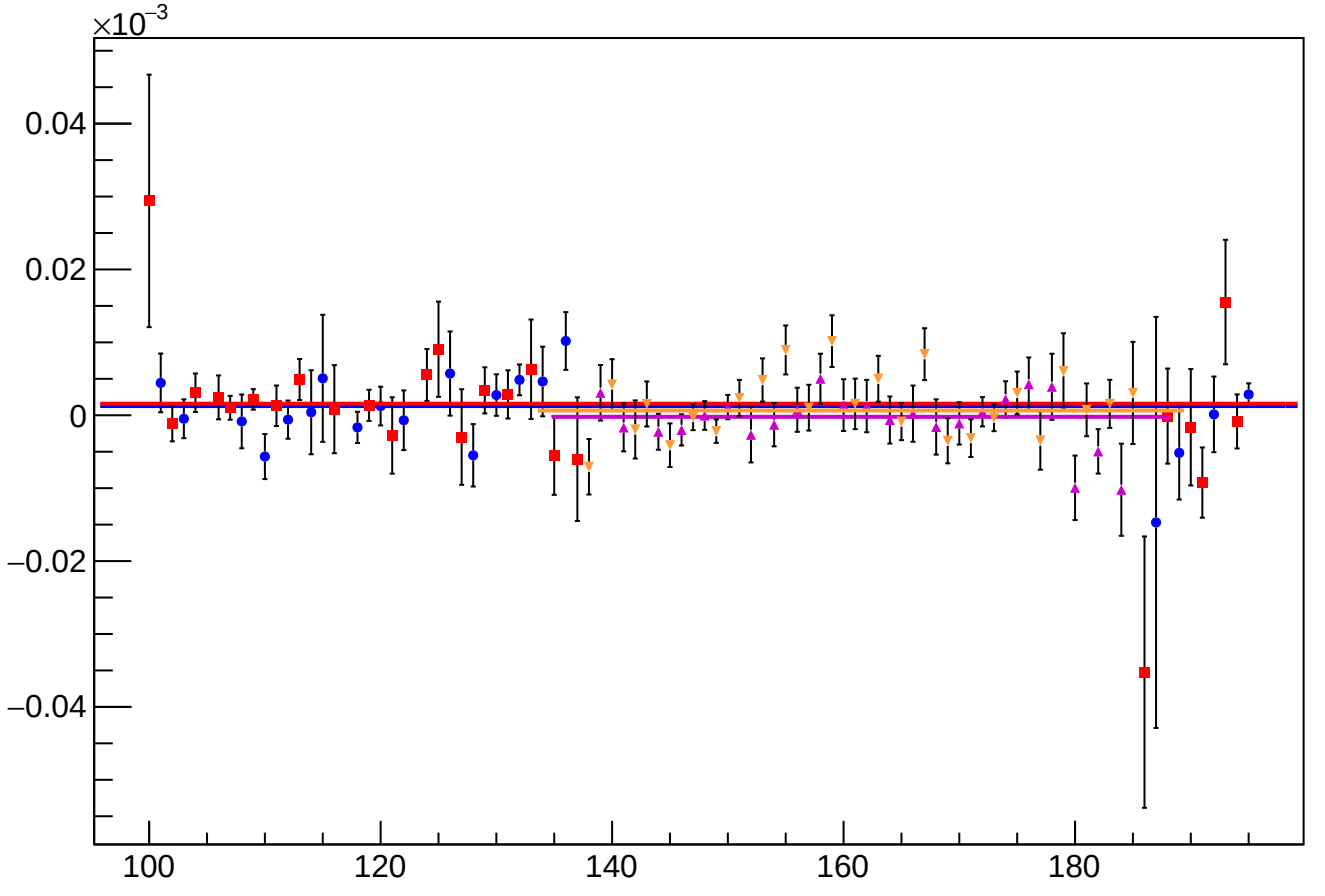
Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472734.0/44

All: 43.070+/-0.004 χ^2/NDF: 15214788.5/92

- sign 42.330+/-0.006 χ^2/NDF: 7712641.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

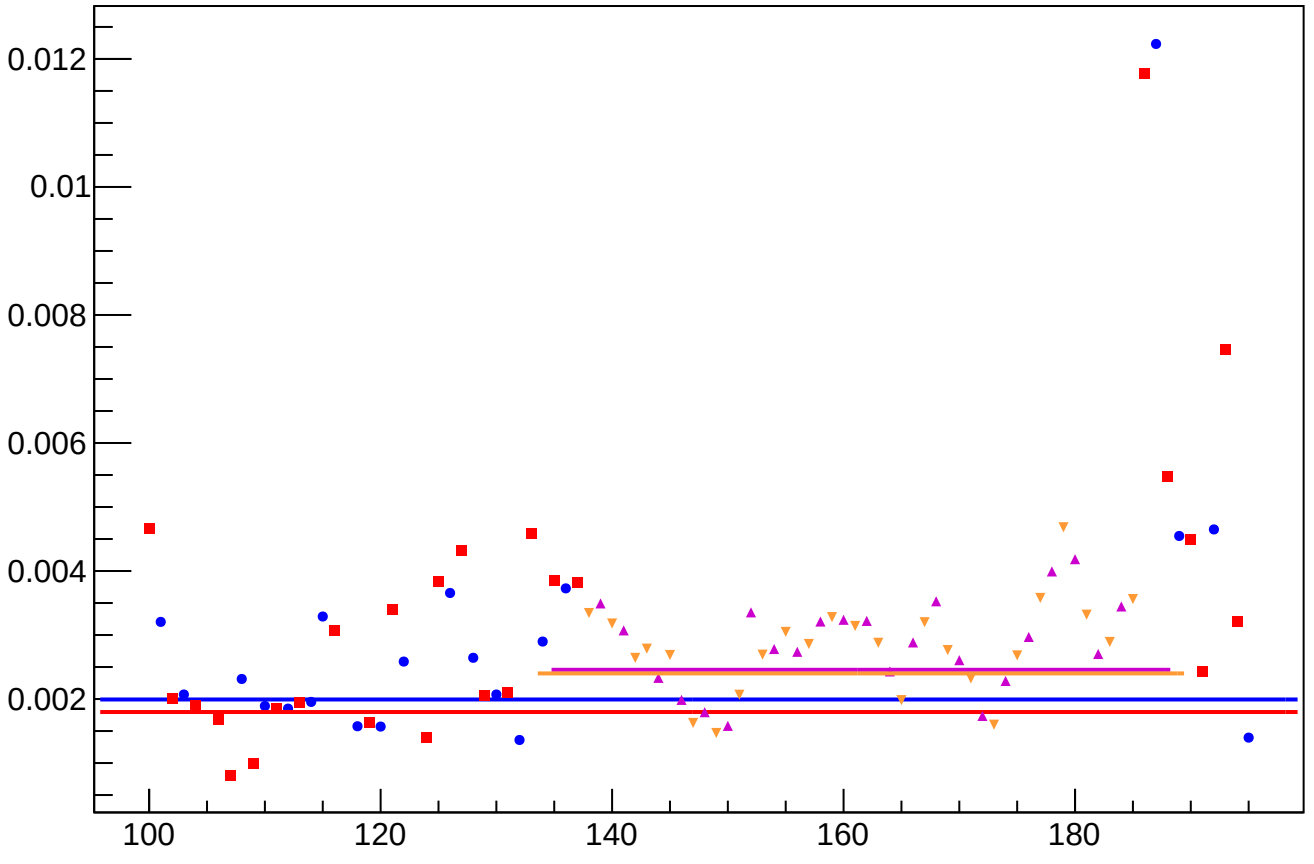
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/24

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: 115.1/92

- sign 0.000+/-0.000 χ^2/NDF: 49.3/47



Right In: 0.002+/-0.000 χ^2/NDF: 2680523.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

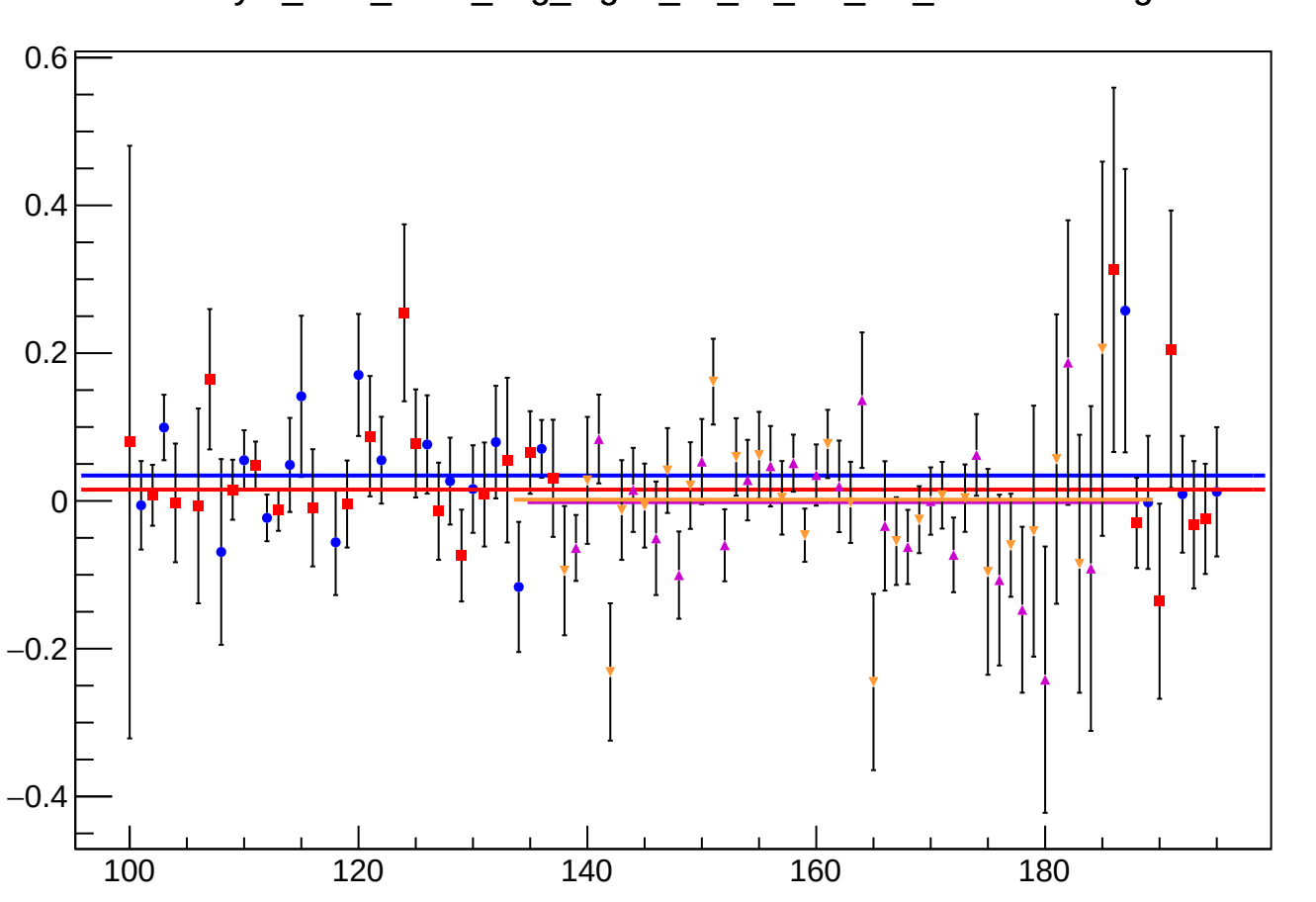
Right Out: 0.002+/-0.000 χ^2/NDF: 5698646.9/24

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: 15692179.0/92

- sign 0.002+/-0.000 χ^2/NDF: 9445941.0/47



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

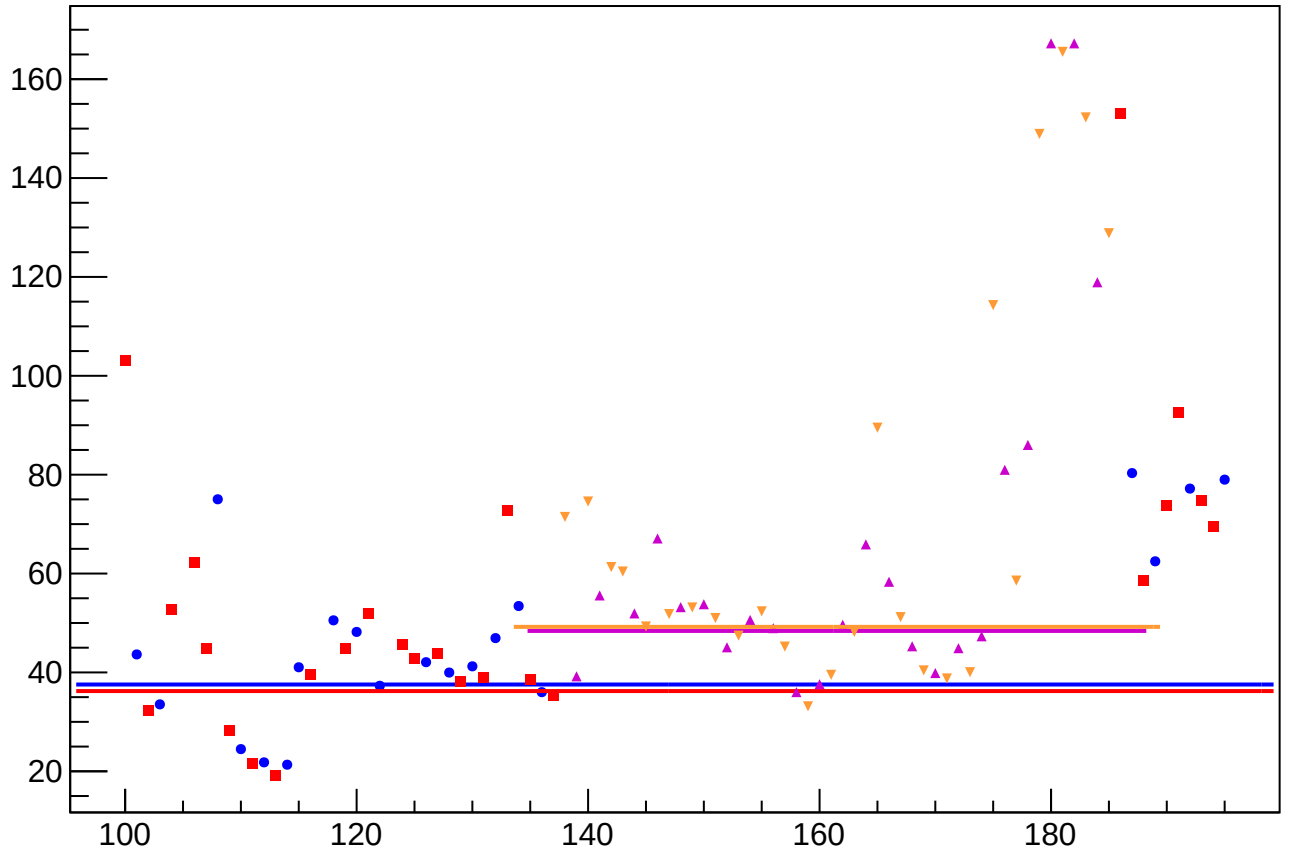
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

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: 98.3/92

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

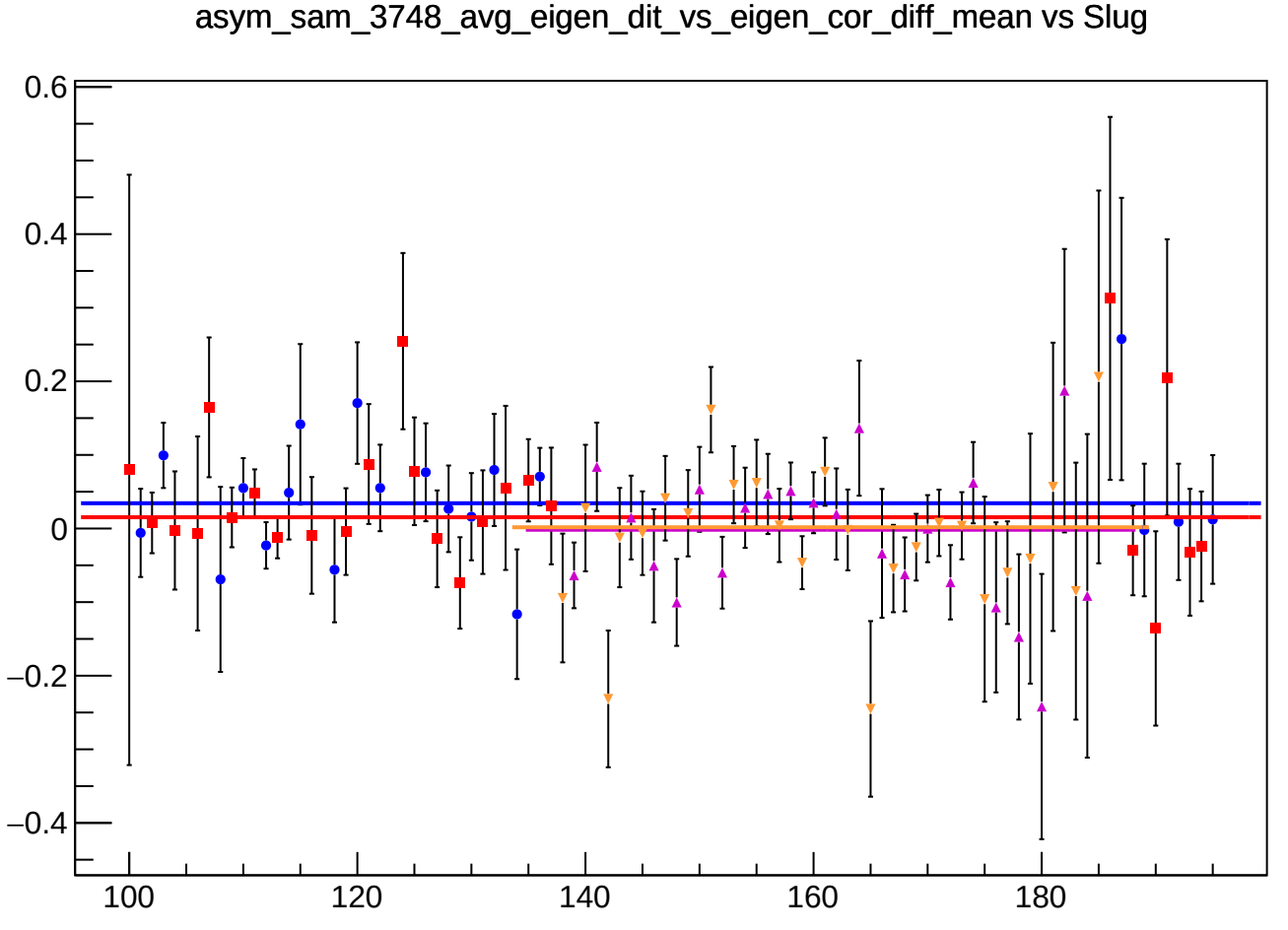
Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

\+ sign 43.857+/-0.006 χ^2/NDF: 7472647.2/44

All: 43.070+/-0.004 χ^2/NDF: 15214644.2/92

\- sign 42.331+/-0.006 χ^2/NDF: 7712586.2/47



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

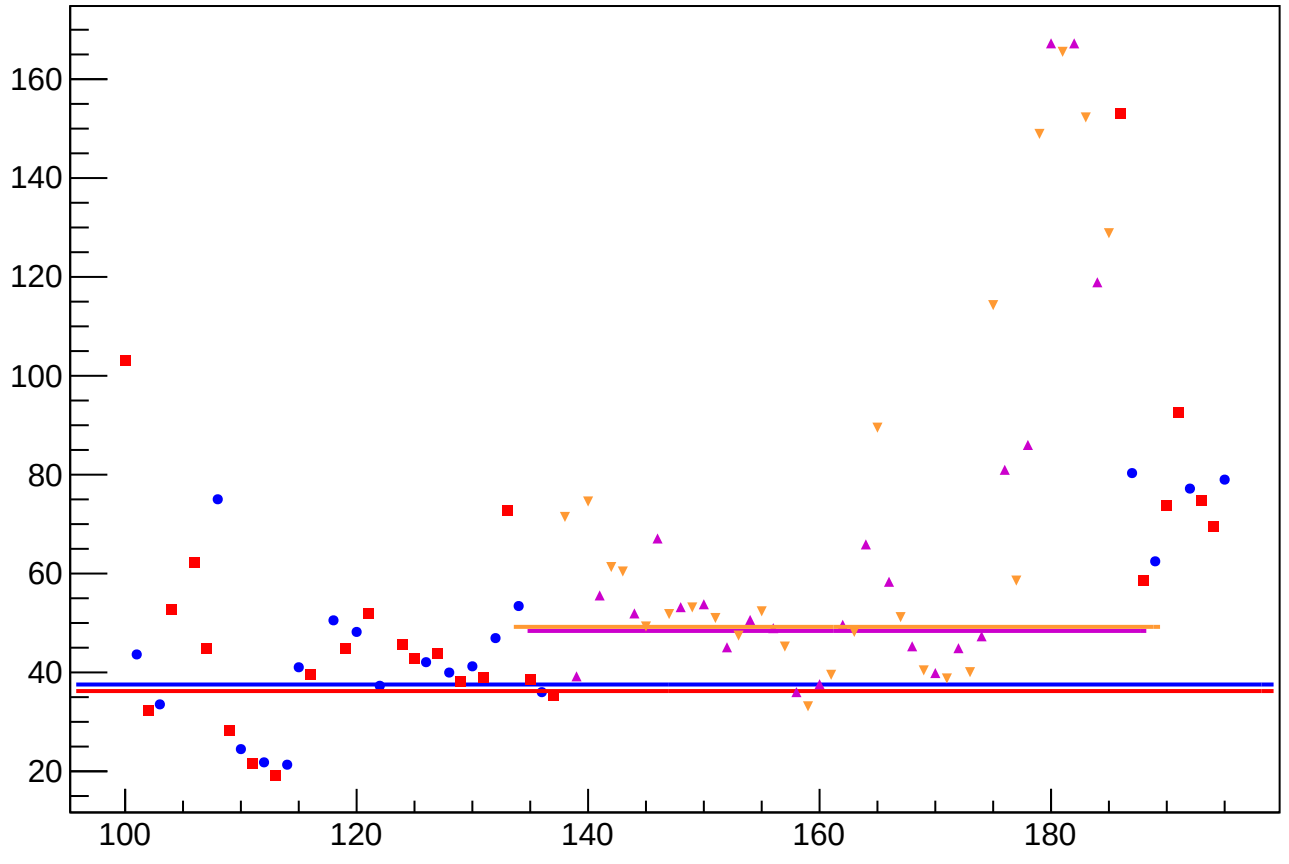
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

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: 98.3/92

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

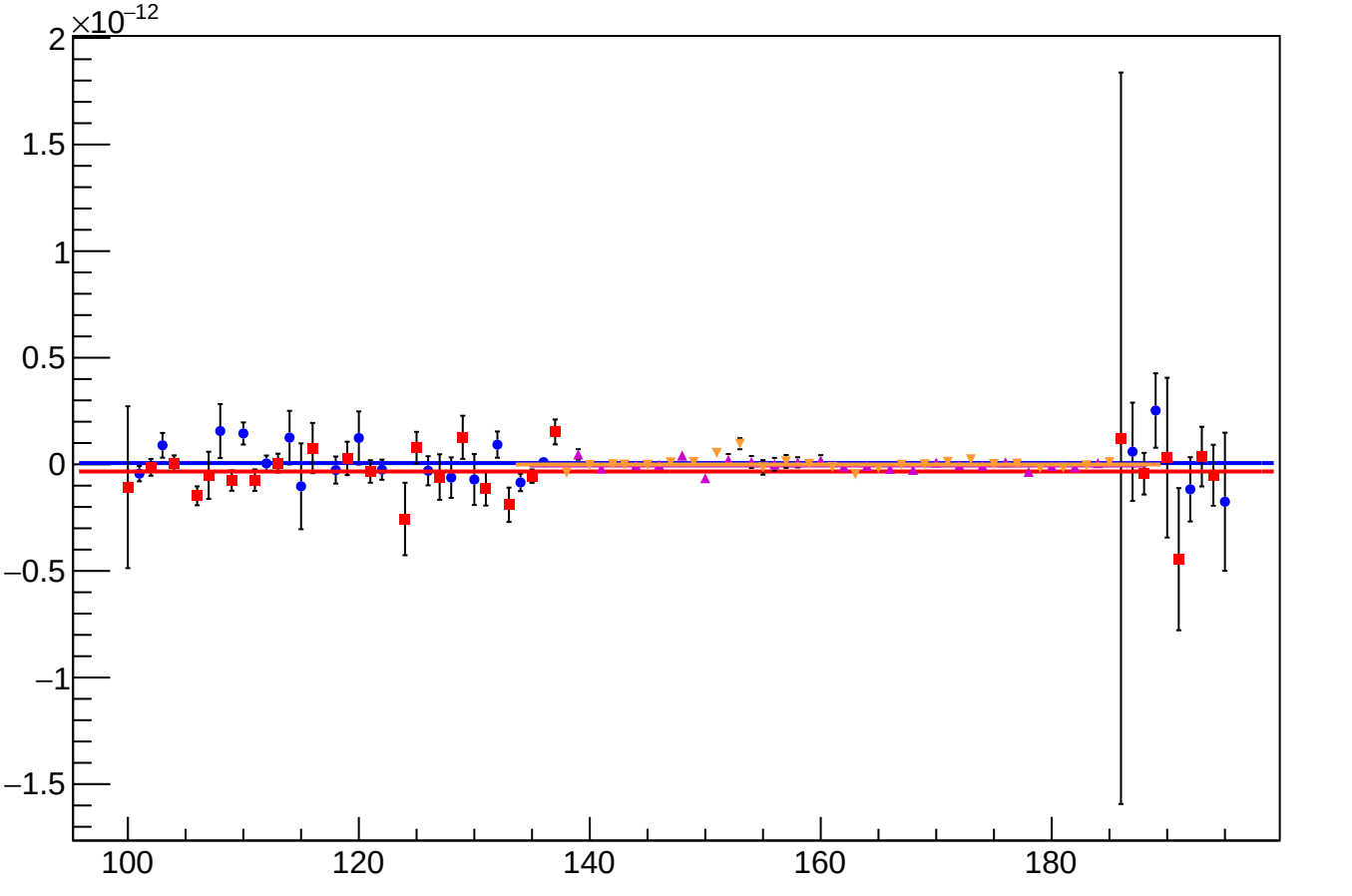
Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.857+/-0.006 χ^2/NDF: 7472647.2/44

All: 43.070+/-0.004 χ^2/NDF: 15214644.2/92

- sign 42.331+/-0.006 χ^2/NDF: 7712586.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

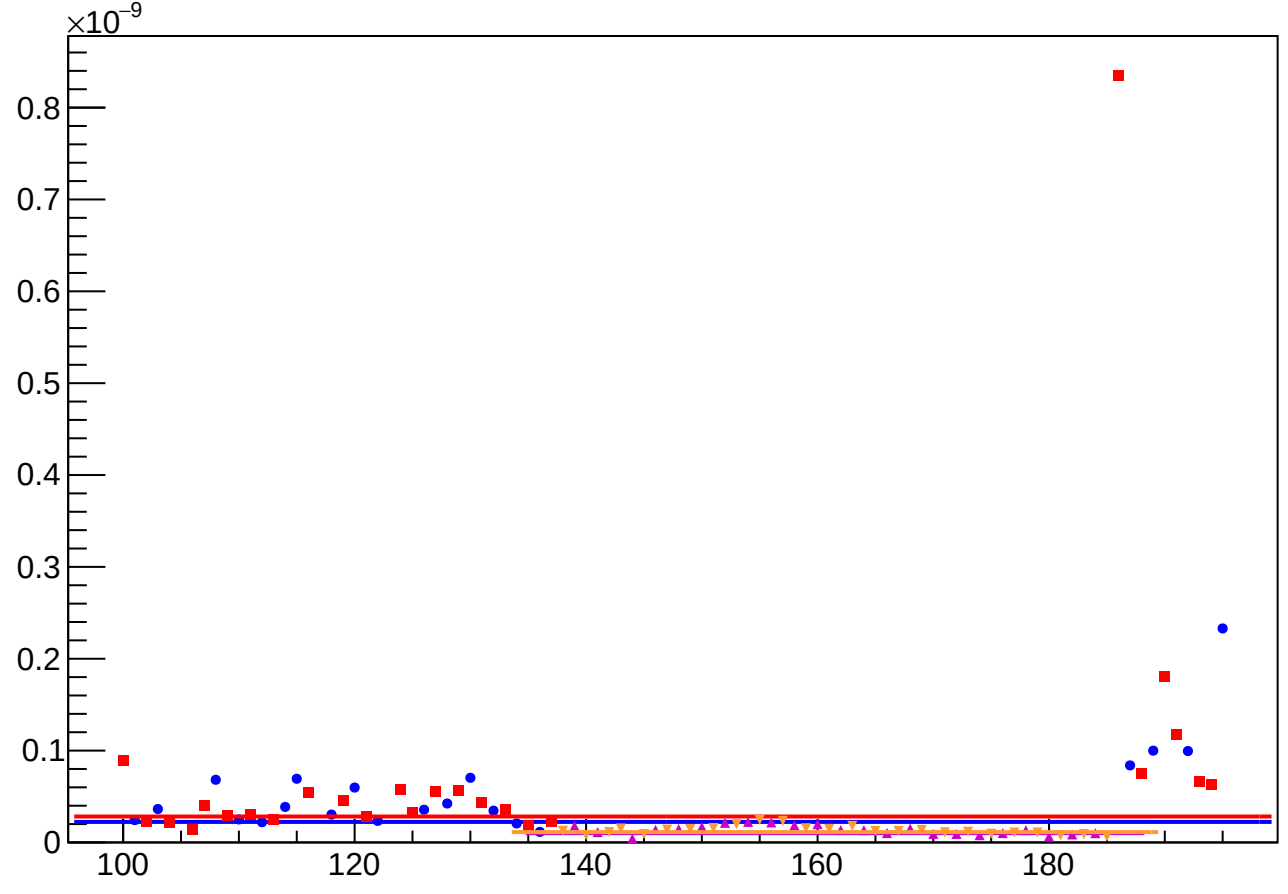
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/24

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: 134.6/92

- sign -0.000+/-0.000 χ^2/NDF: 68.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 4011161.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2894641.6/24

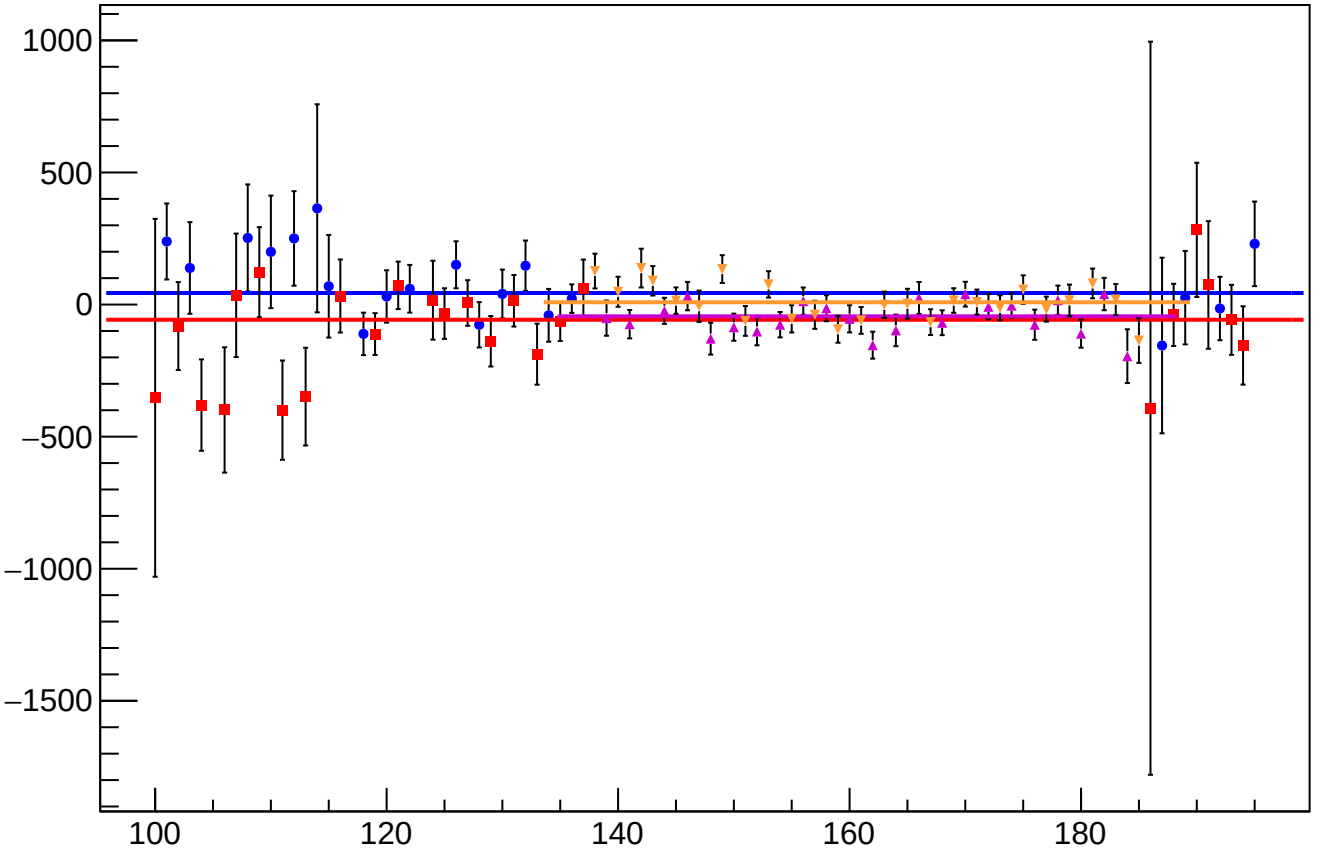
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7976043.1/44

All: 0.000+/-0.000 χ^2/NDF: 18759418.6/92

- sign 0.000+/-0.000 χ^2/NDF: 10691156.7/47

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: -57.521+/-25.076 χ^2/NDF: 23.0/24

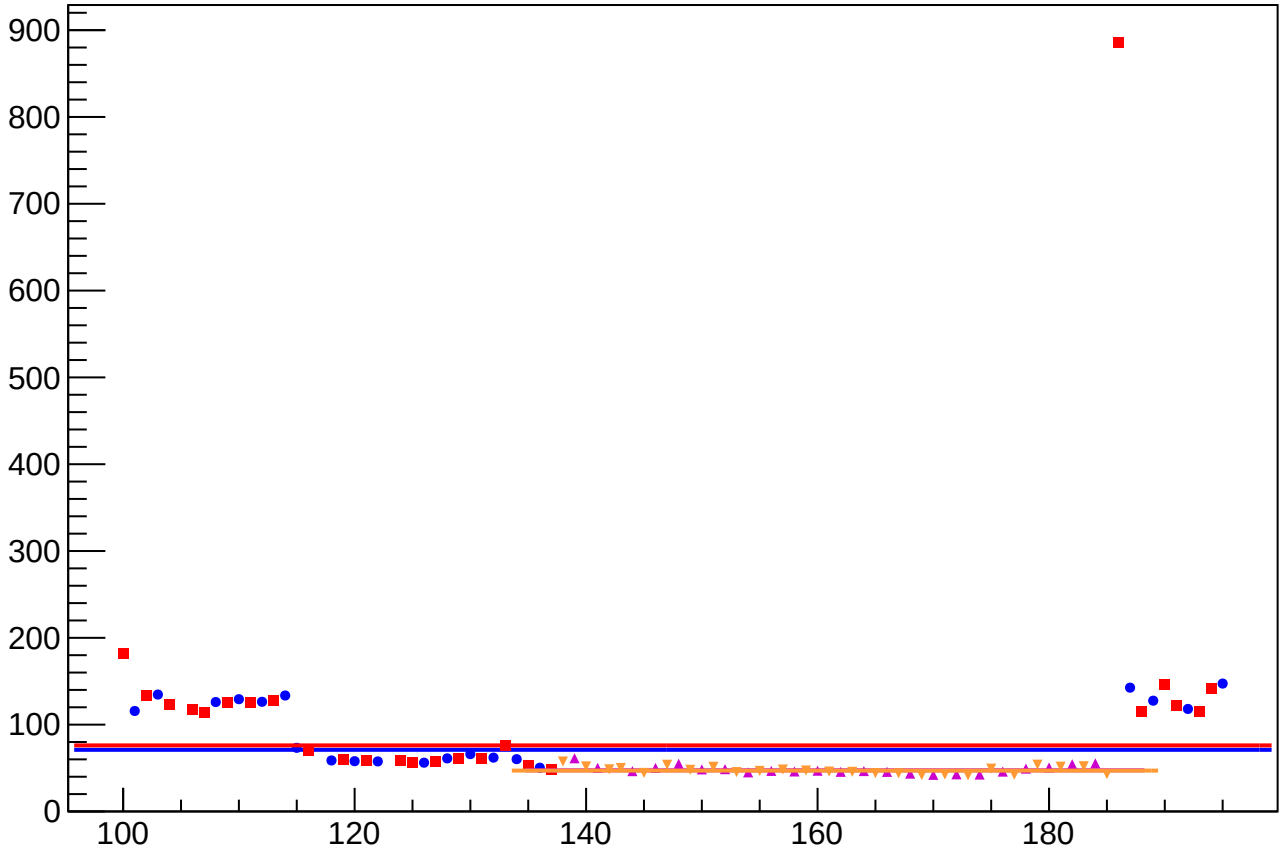
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.395+/-9.865 χ^2/NDF: 53.2/44

All: -15.163+/-7.087 χ^2/NDF: 122.0/92

- sign -46.683+/-10.187 χ^2/NDF: 50.3/47

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

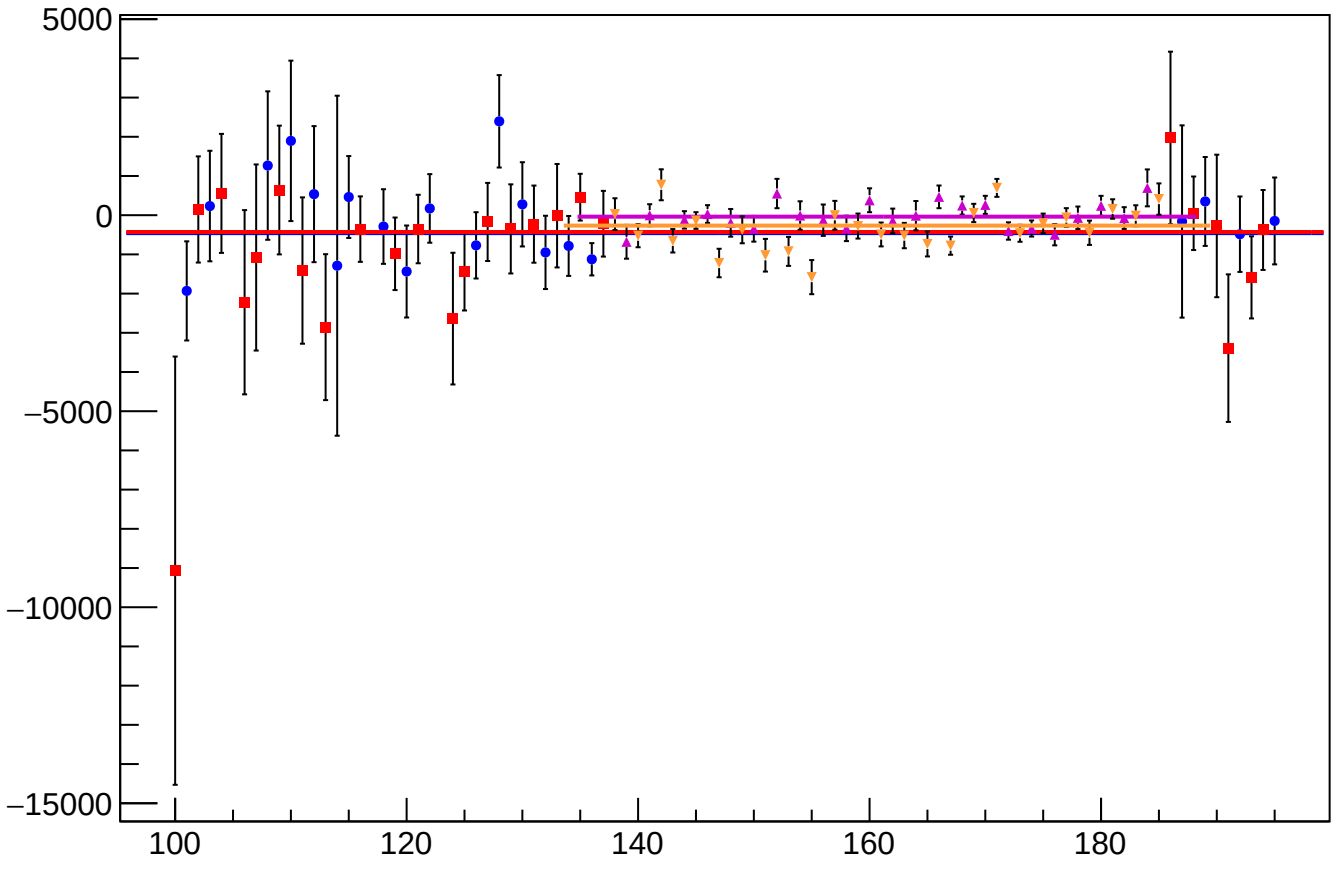
Right Out: 76.103+/-0.018 χ^2/NDF: 3480630.9/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484409.2/44

All: 51.500+/-0.005 χ^2/NDF: 10441010.5/92

- sign 52.123+/-0.007 χ^2/NDF: 5942109.1/47



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: -428.608+/-229.341 χ^2/NDF: 16.9/24

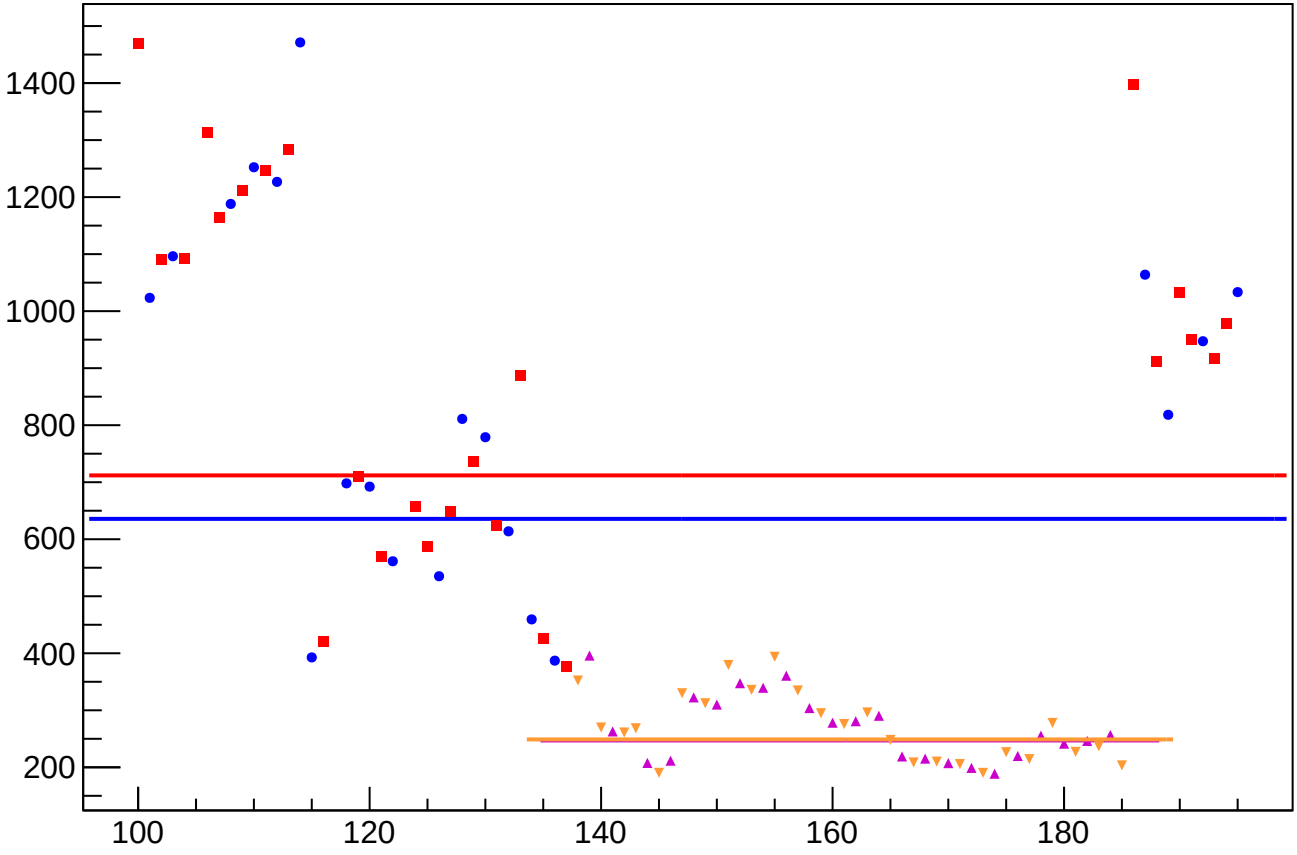
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -278.147+/-56.113 χ^2/NDF: 86.8/44

All: -172.271+/-40.086 χ^2/NDF: 140.3/92

- sign -61.929+/-57.284 χ^2/NDF: 46.3/47

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: 711.968+/-0.162 χ^2/NDF: 2824401.5/24

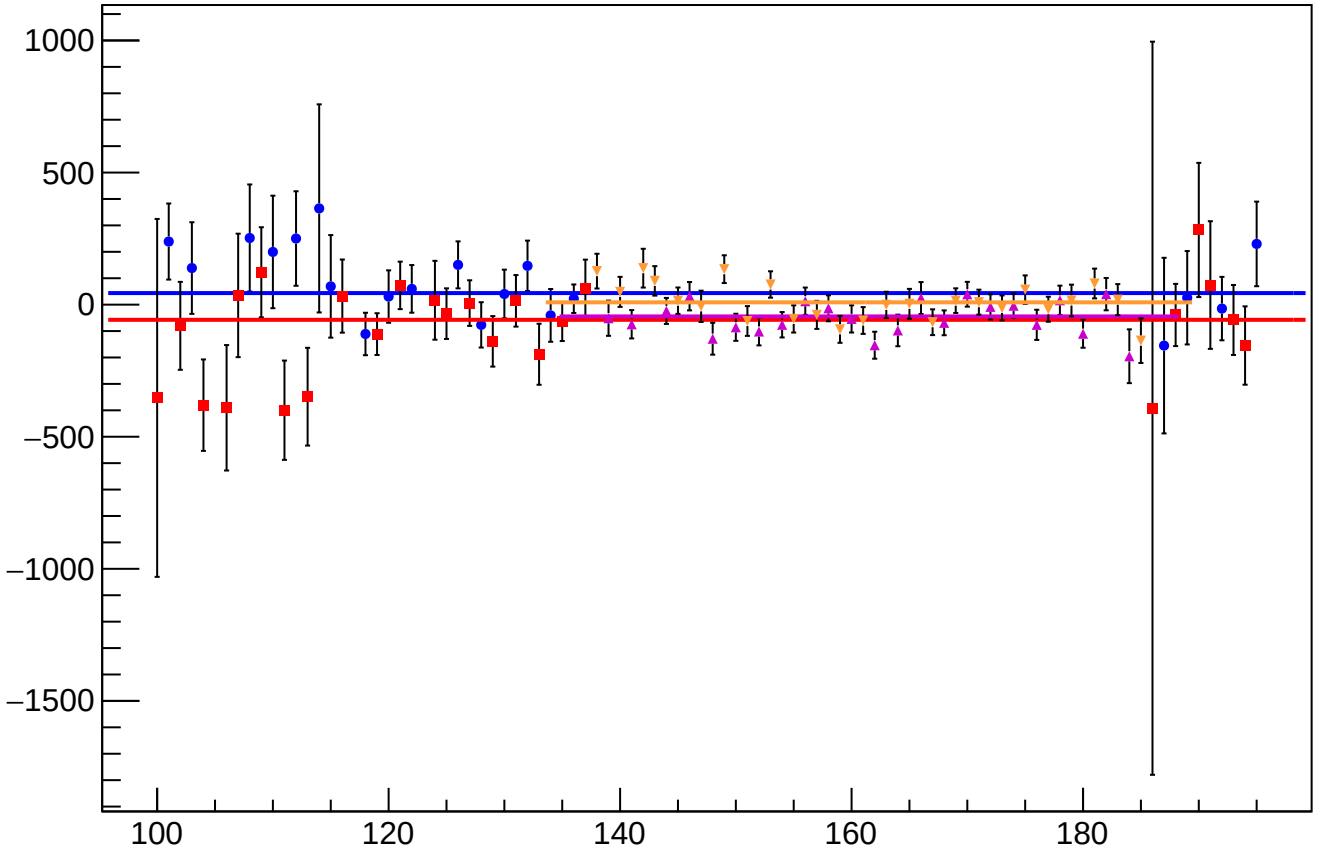
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160807.9/44

All: 275.055+/-0.028 χ^2/NDF: 22175282.8/92

- sign 276.111+/-0.041 χ^2/NDF: 12013143.6/47

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: -57.389+/-25.077 χ^2/NDF: 22.9/24

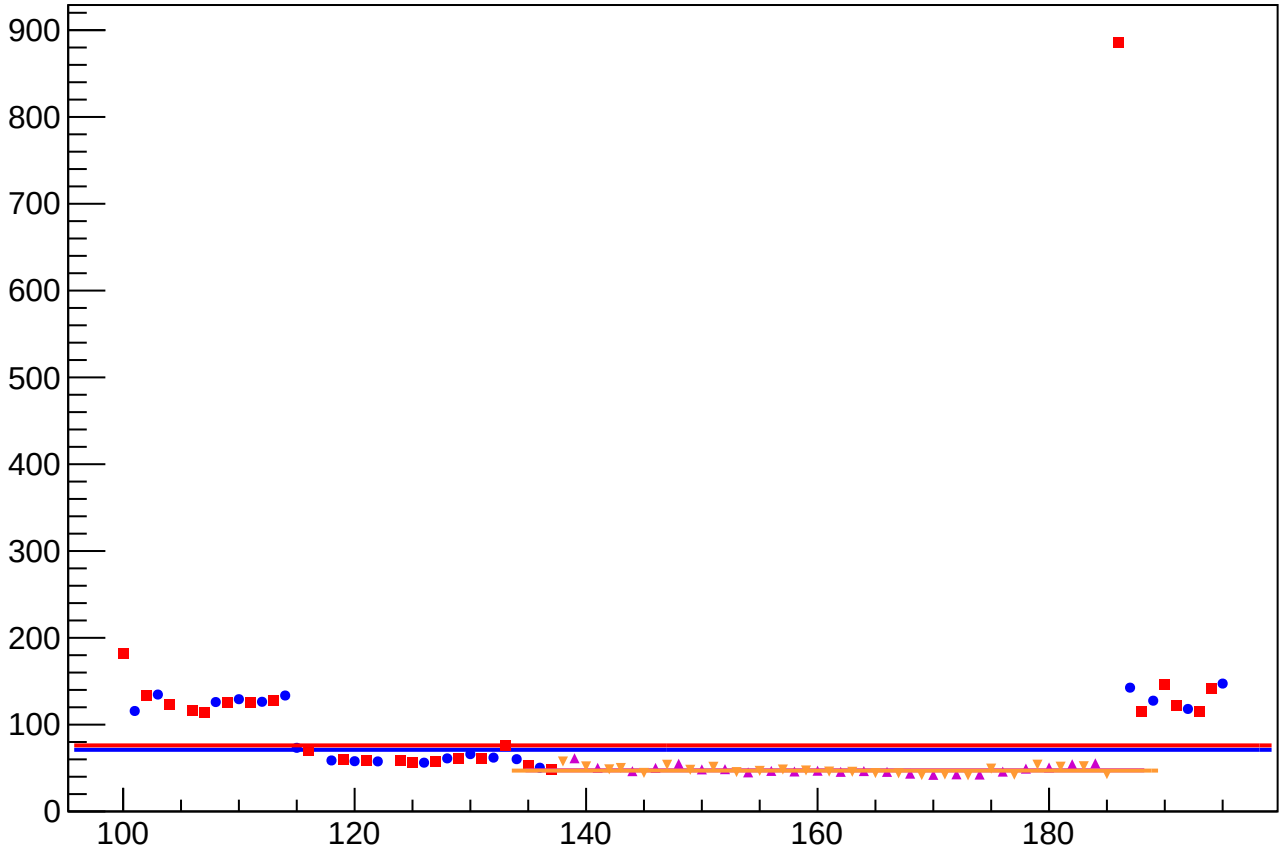
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.396+/-9.865 χ^2/NDF: 53.2/44

All: -15.151+/-7.087 χ^2/NDF: 121.9/92

- sign -46.661+/-10.187 χ^2/NDF: 50.1/47

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: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

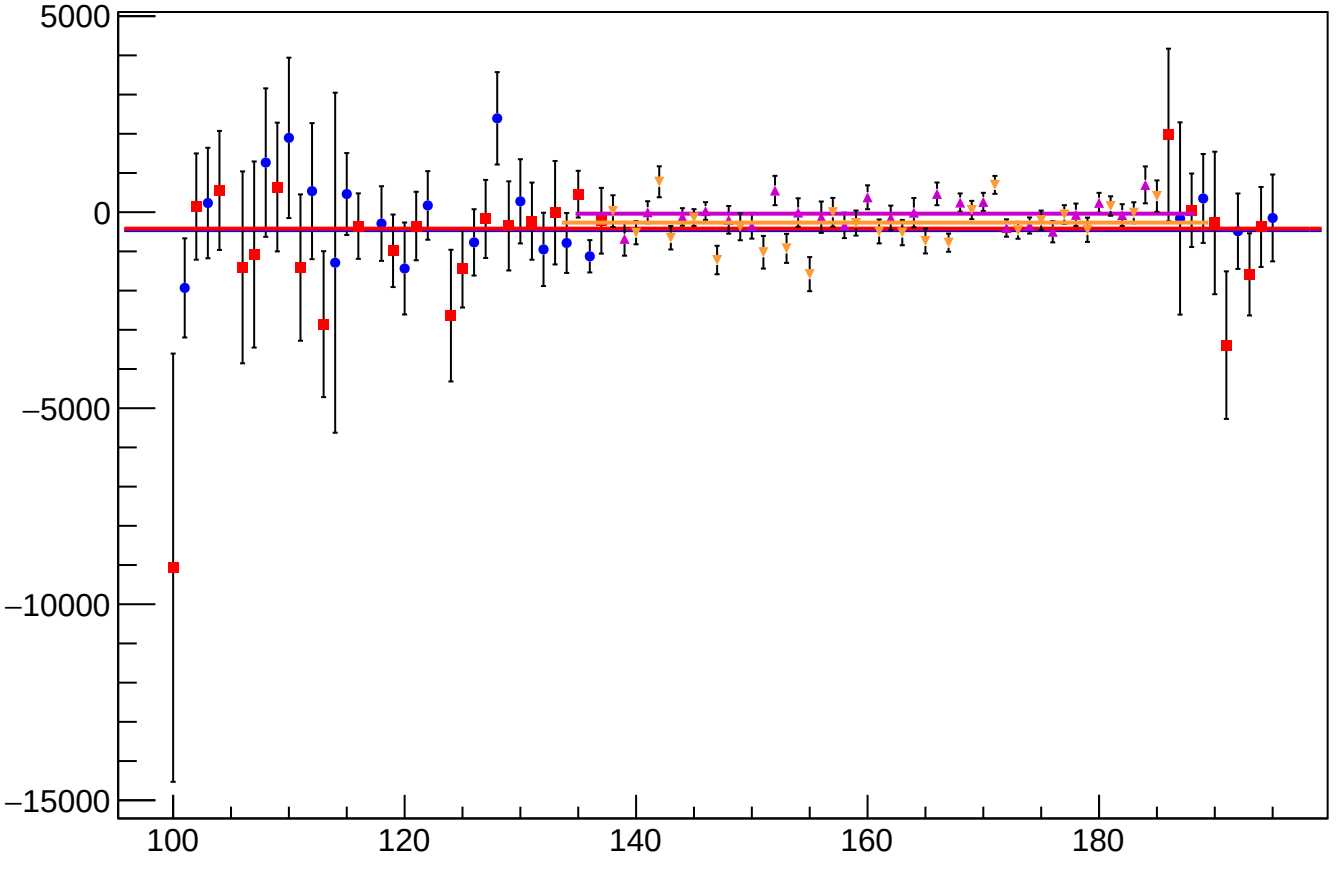
Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484411.3/44

All: 51.499+/-0.005 χ^2/NDF: 10436255.9/92

- sign 52.121+/-0.007 χ^2/NDF: 5937405.5/47

asym_sam_1526_avg_cor_correction_mean vs Slug



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: -420.201+/-229.431 χ^2/NDF: 16.5/24

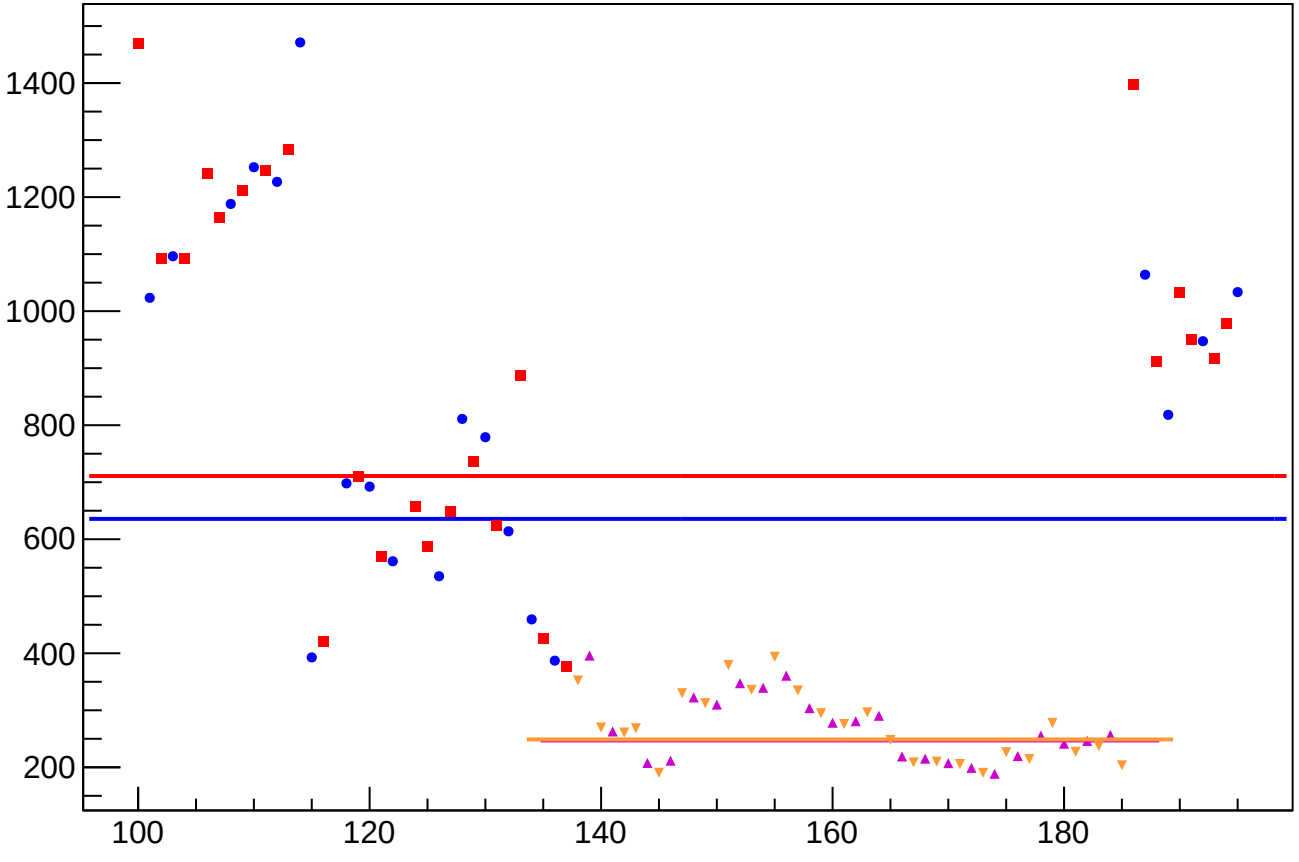
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.143+/-56.113 χ^2/NDF: 86.8/44

All: -172.005+/-40.086 χ^2/NDF: 139.8/92

- sign -61.384+/-57.286 χ^2/NDF: 45.7/47

asym_sam_1526_avg_cor_correction_rms vs Slug



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: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

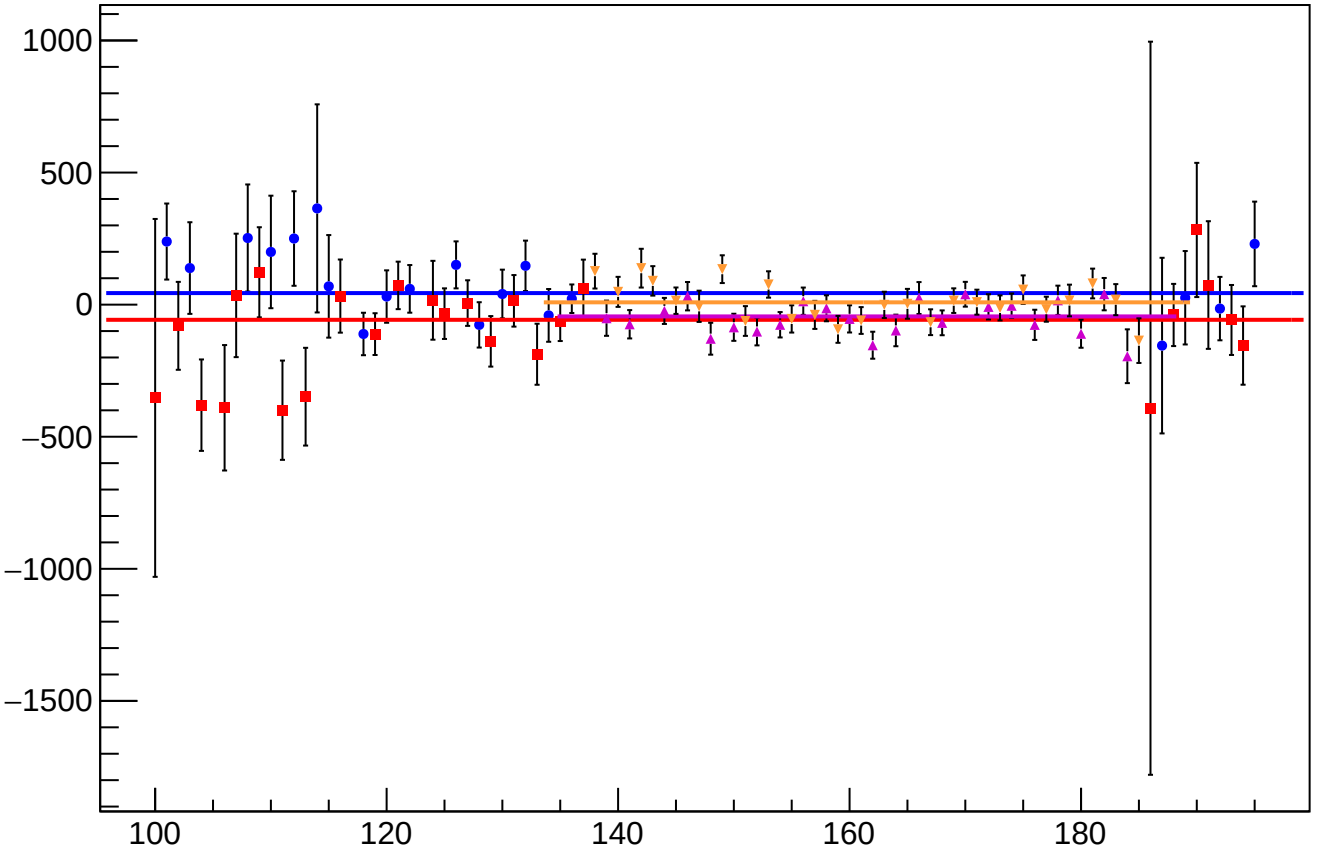
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160842.3/44

All: 275.012+/-0.028 χ^2/NDF: 22096836.9/92

- sign 276.023+/-0.041 χ^2/NDF: 11934774.3/47

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: -57.389+/-25.077 χ^2/NDF: 22.9/24

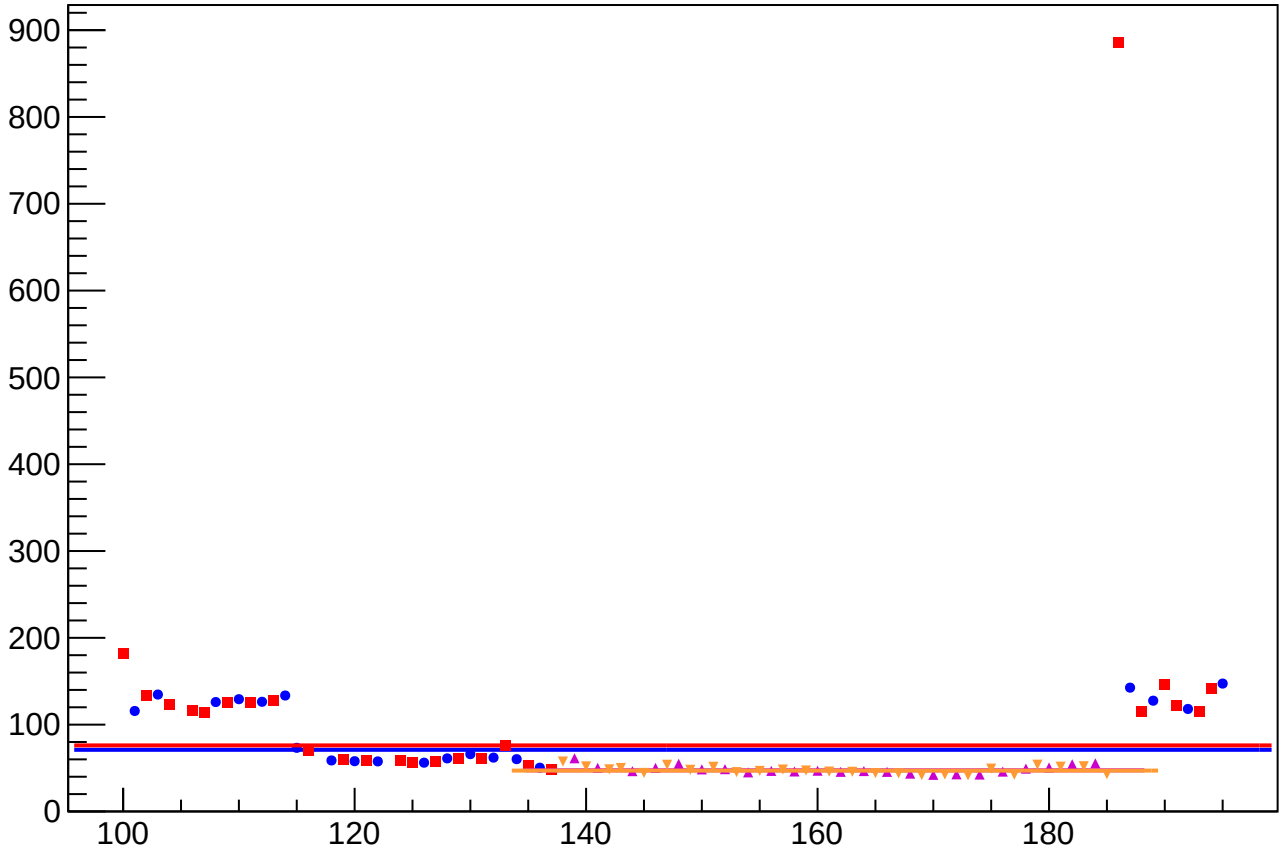
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.396+/-9.865 χ^2/NDF: 53.2/44

All: -15.151+/-7.087 χ^2/NDF: 121.9/92

- sign -46.661+/-10.187 χ^2/NDF: 50.1/47

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

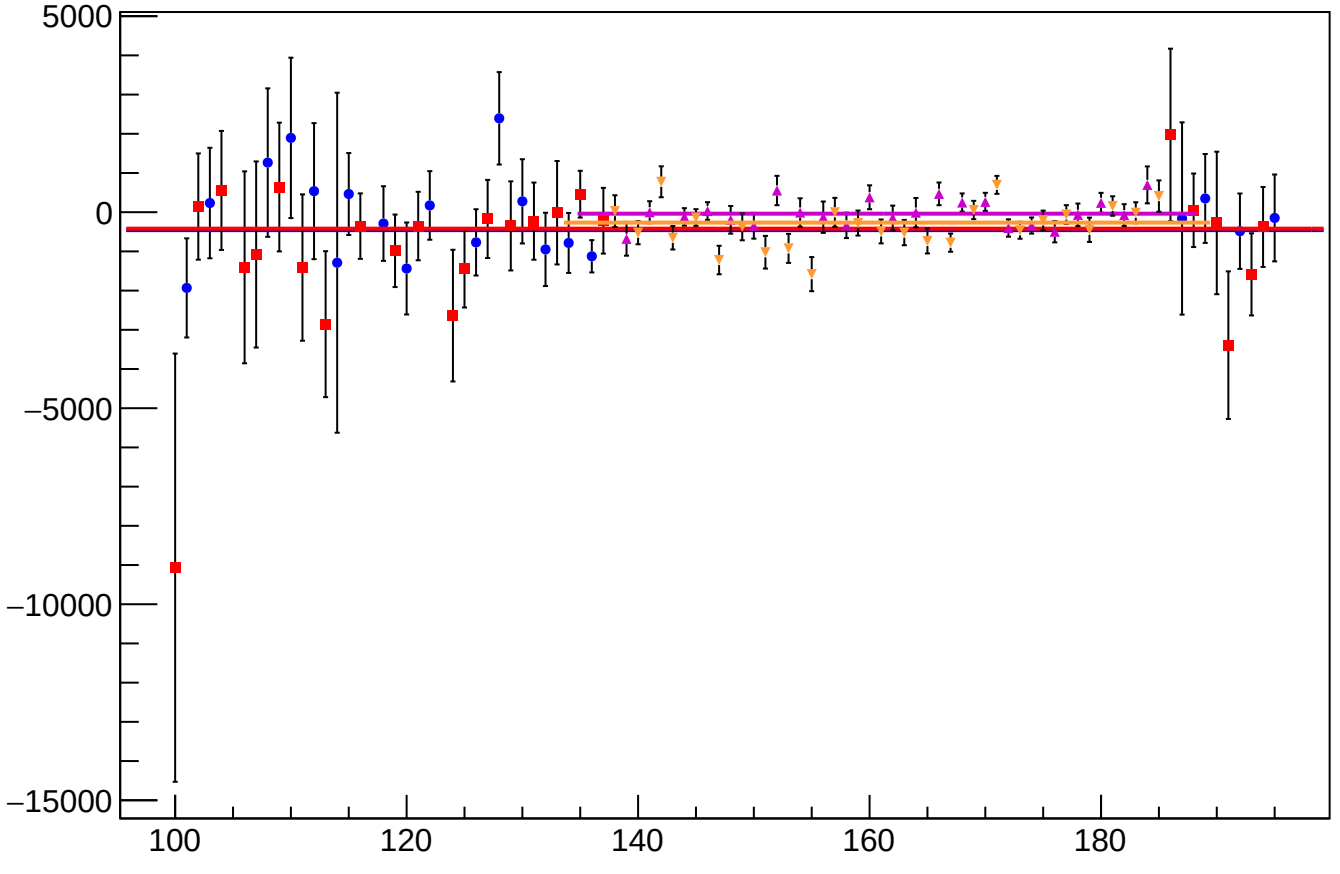
Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.916+/-0.007 χ^2/NDF: 4484411.3/44

All: 51.499+/-0.005 χ^2/NDF: 10436255.9/92

- sign 52.121+/-0.007 χ^2/NDF: 5937405.5/47



Right In: -457.347+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

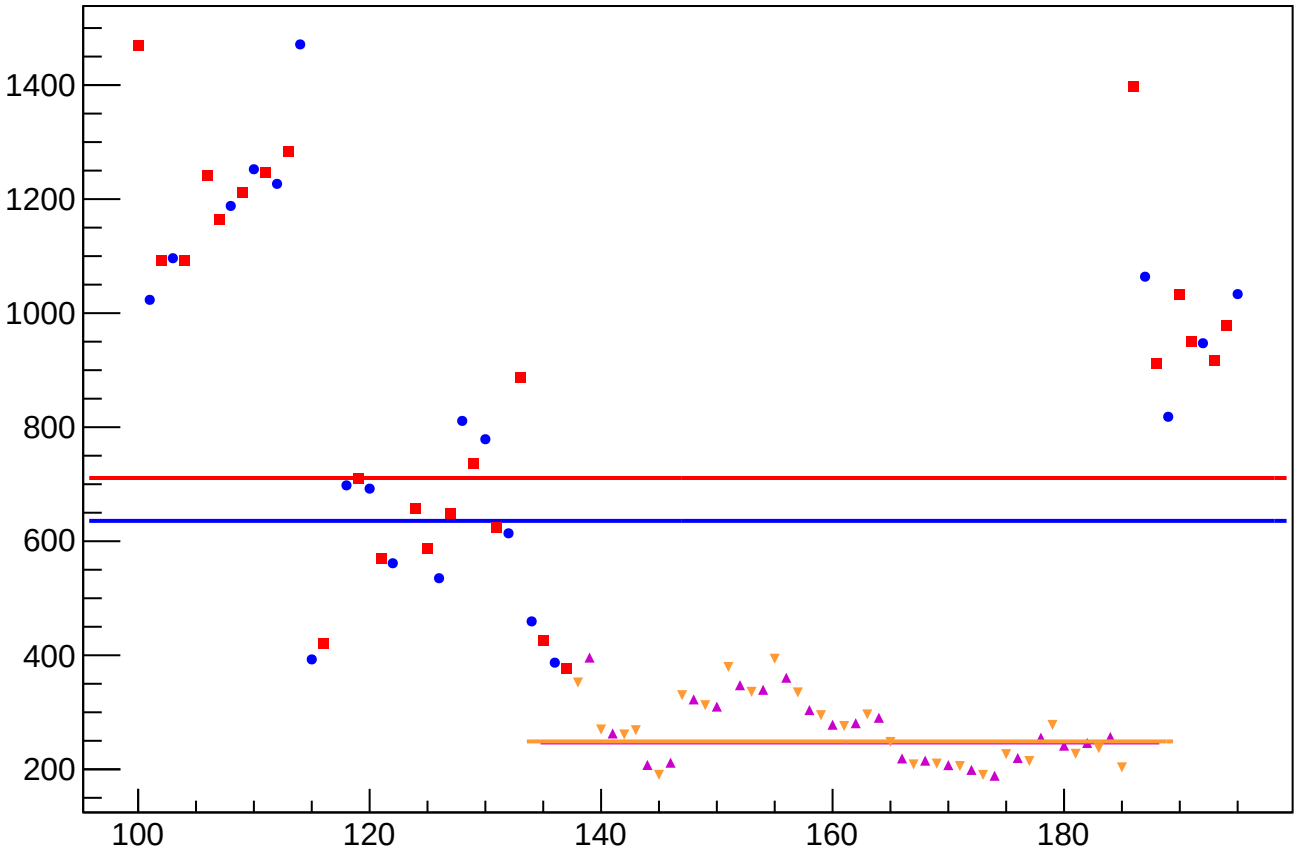
Right Out: -420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.143+/-56.113 χ^2/NDF: 86.8/44

All: -172.005+/-40.086 χ^2/NDF: 139.8/92

- sign -61.384+/-57.286 χ^2/NDF: 45.7/47



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: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

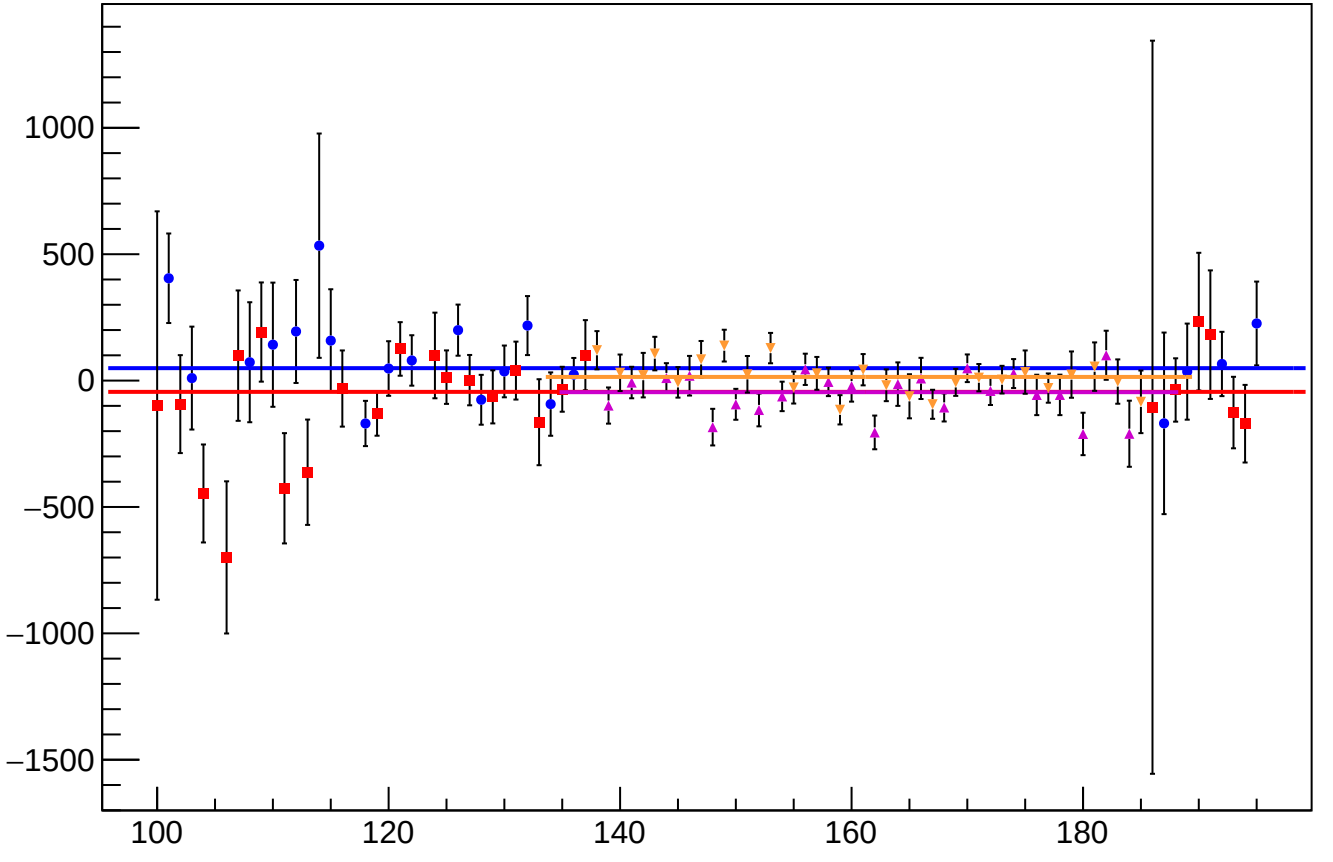
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 274.042+/-0.040 χ^2/NDF: 10160842.3/44

All: 275.012+/-0.028 χ^2/NDF: 22096836.9/92

- sign 276.023+/-0.041 χ^2/NDF: 11934774.3/47

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: -44.599+/-28.753 χ^2/NDF: 26.1/24

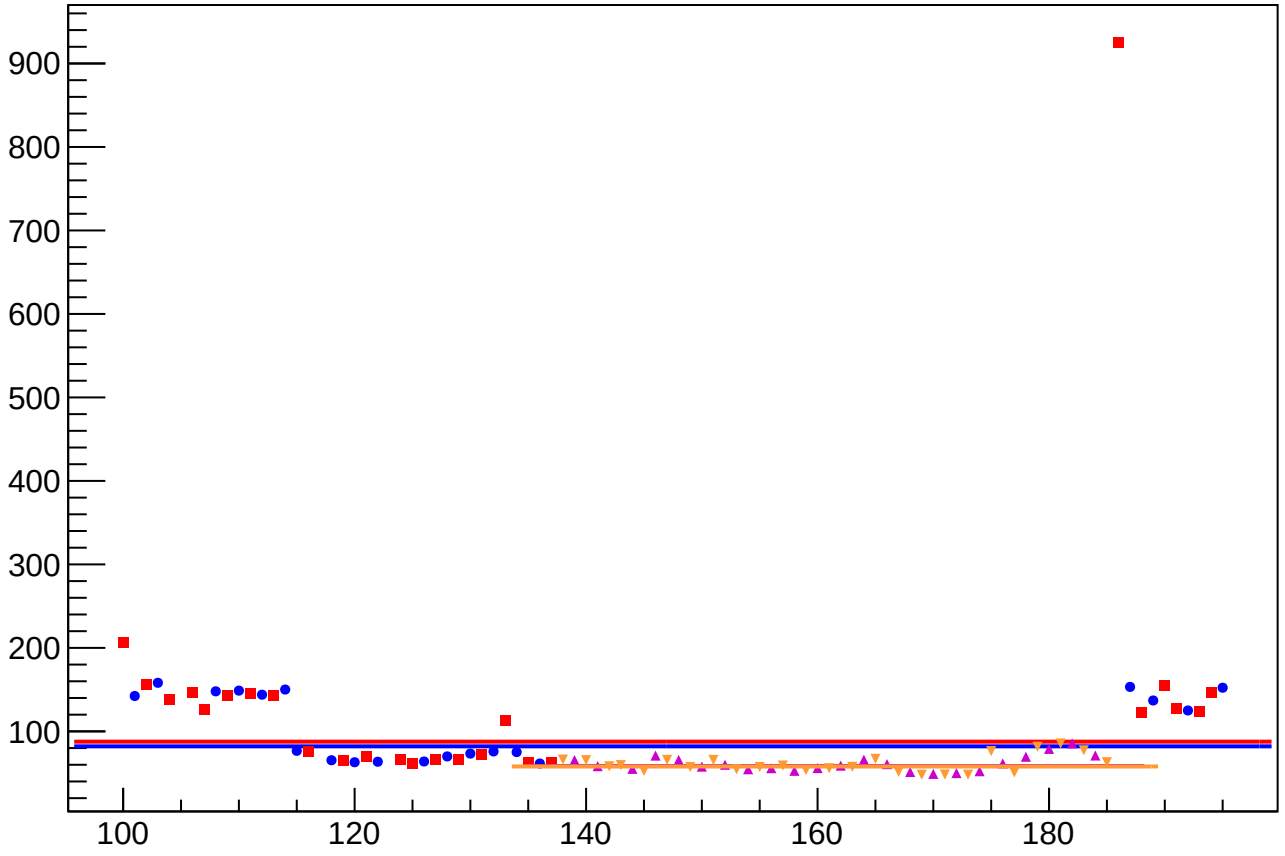
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.909+/-12.148 χ^2/NDF: 46.9/44

All: -11.287+/-8.724 χ^2/NDF: 118.3/92

- sign -45.577+/-12.537 χ^2/NDF: 56.9/47

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: 87.673+/-0.020 χ^2/NDF: 3234358.8/24

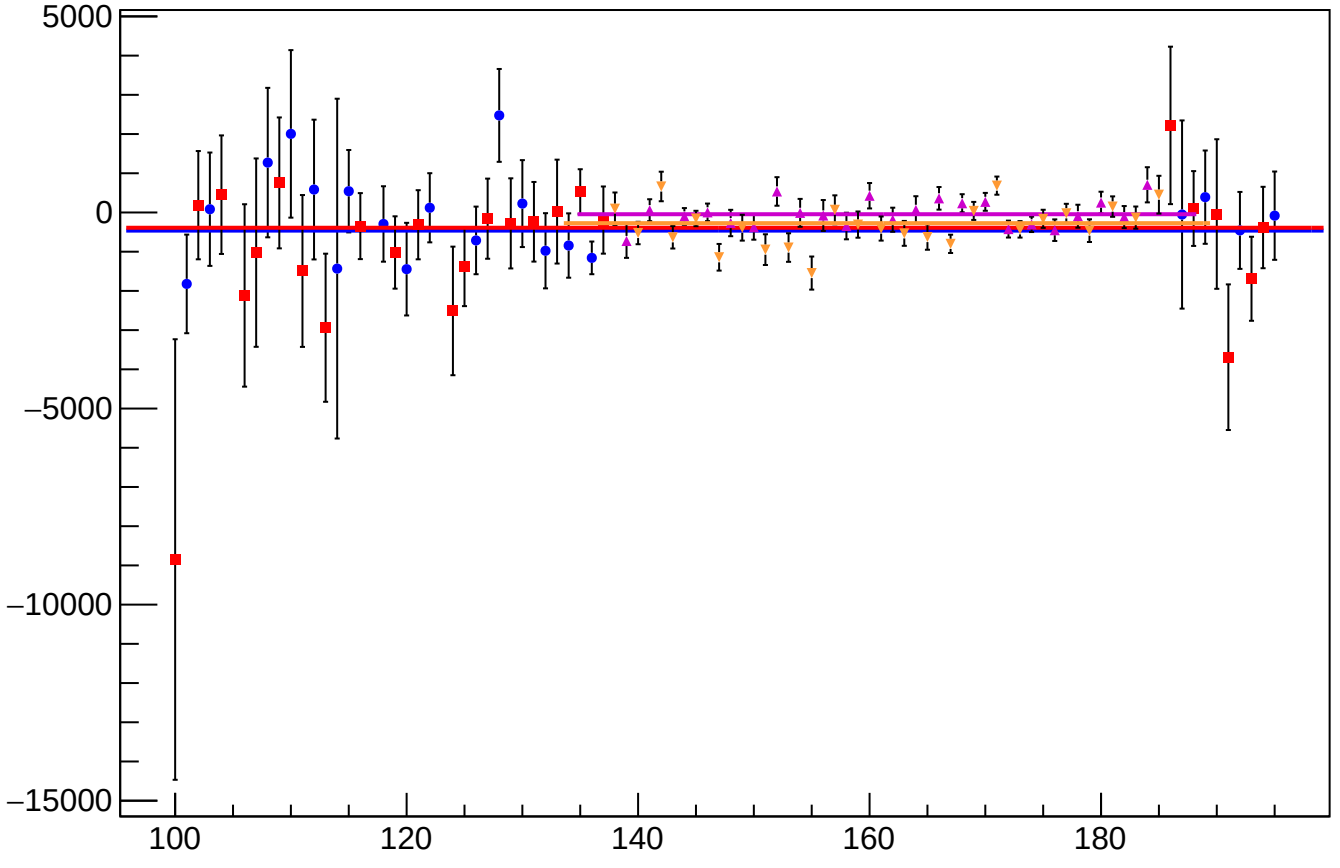
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 62.416+/-0.009 χ^2/NDF: 4475301.8/44

All: 63.197+/-0.006 χ^2/NDF: 10046469.4/92

- sign 64.029+/-0.009 χ^2/NDF: 5554082.4/47

asym_sam_1526_avg_dit_correction_mean vs Slug



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: -389.551+/-230.045 χ^2/NDF: 18.6/24

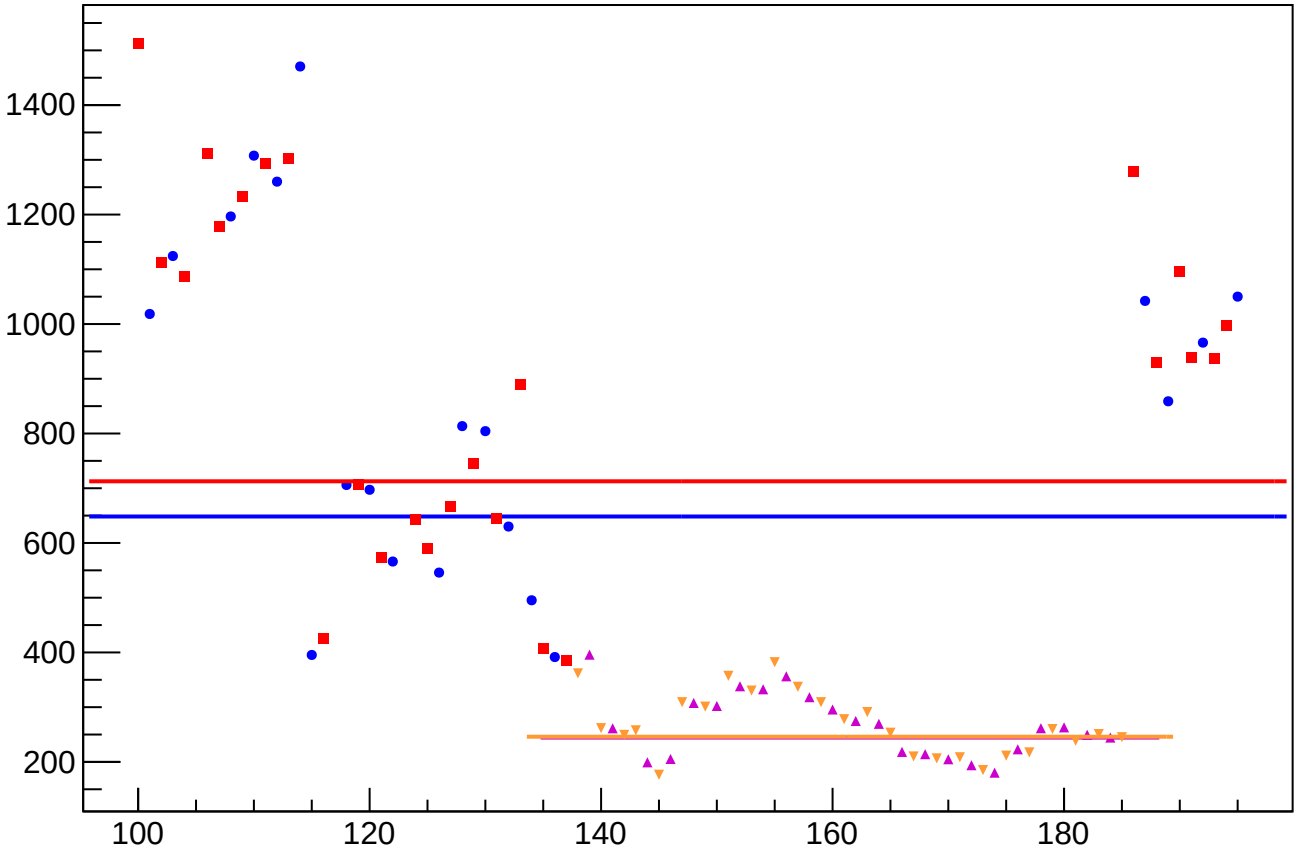
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.127+/-55.493 χ^2/NDF: 82.9/44

All: -177.398+/-39.693 χ^2/NDF: 137.7/92

- sign -65.585+/-56.800 χ^2/NDF: 47.2/47

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: 712.682+/-0.163 χ^2/NDF: 2950973.4/24

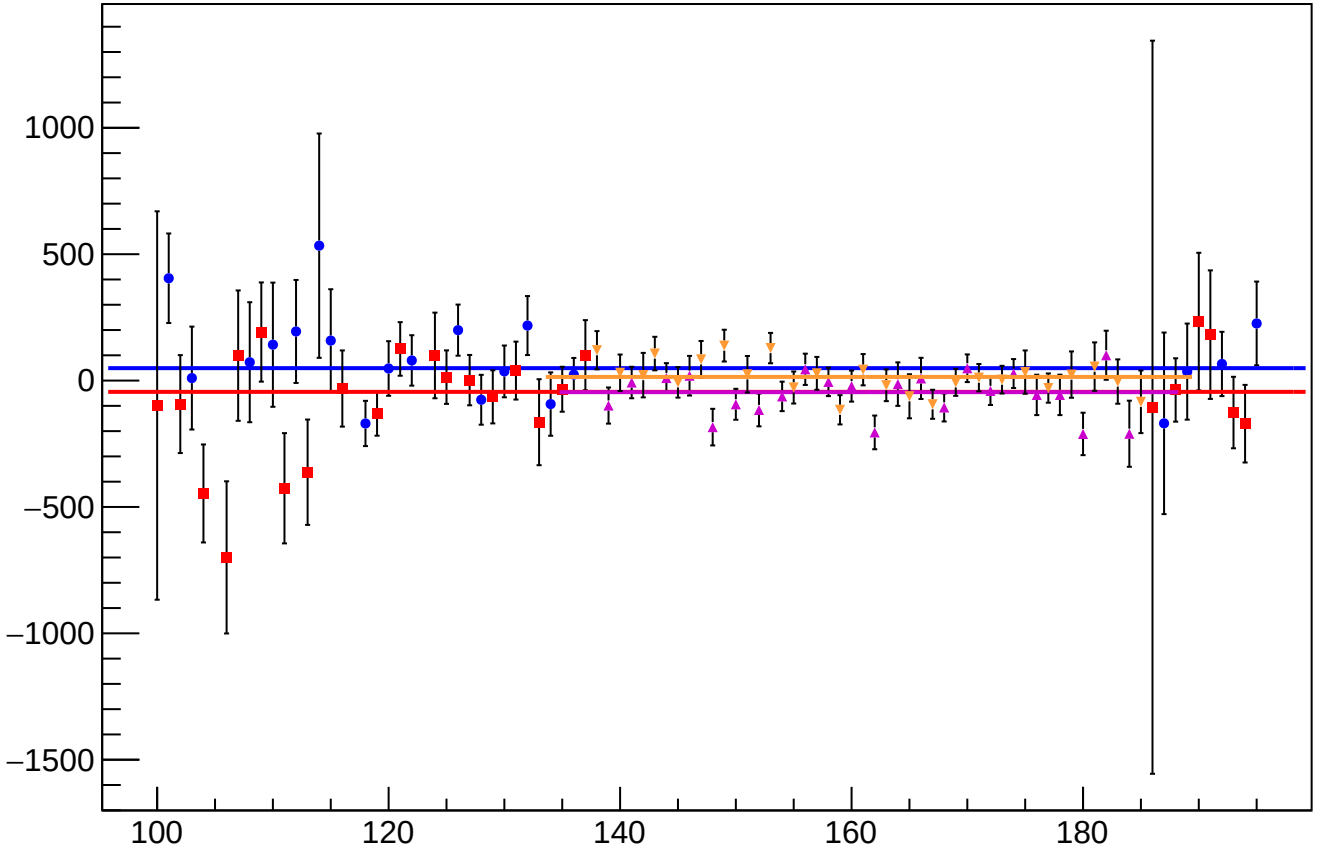
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 270.649+/-0.039 χ^2/NDF: 10438559.0/44

All: 271.794+/-0.028 χ^2/NDF: 22768759.4/92

- sign 272.994+/-0.040 χ^2/NDF: 12328454.8/47

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: -44.599+/-28.753 χ^2/NDF: 26.1/24

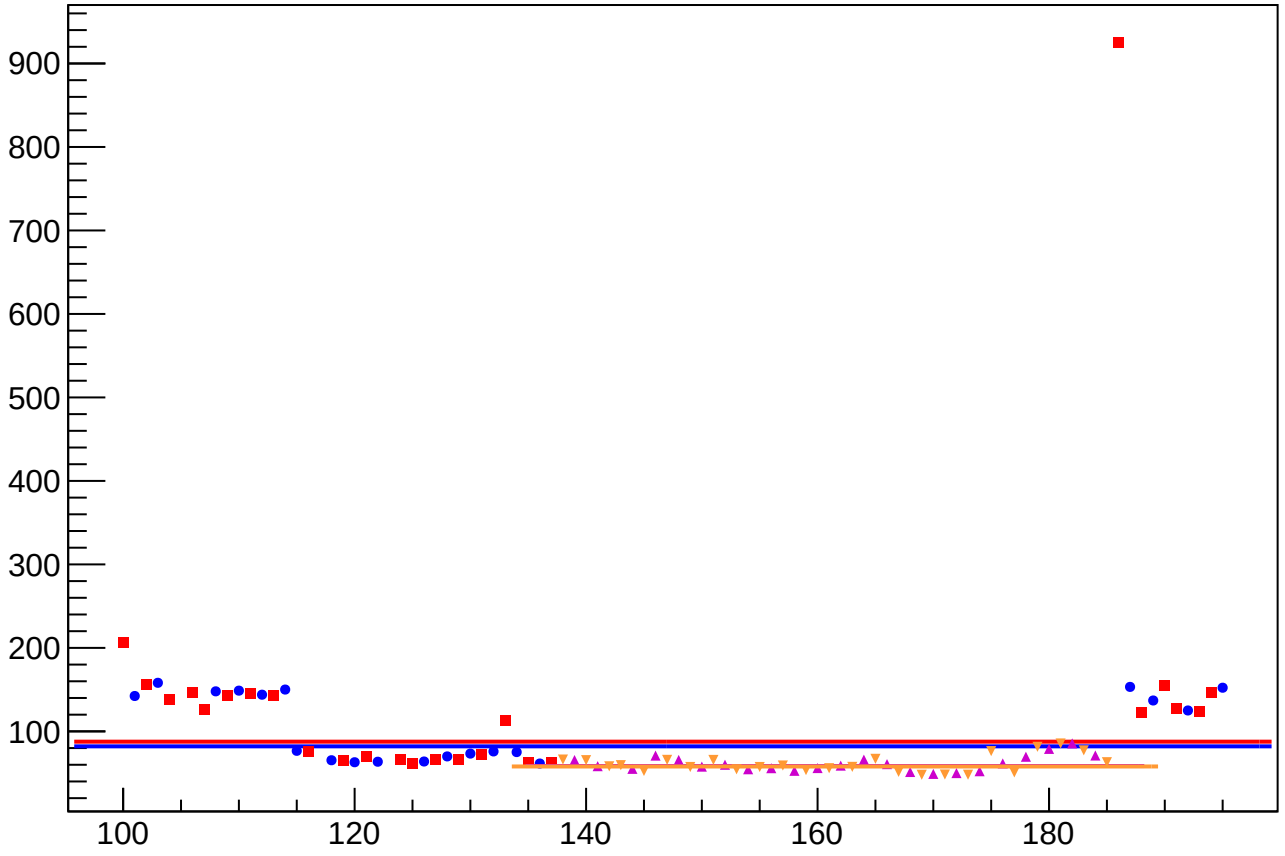
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.909+/-12.148 χ^2/NDF: 46.9/44

All: -11.287+/-8.724 χ^2/NDF: 118.3/92

- sign -45.576+/-12.537 χ^2/NDF: 56.9/47

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

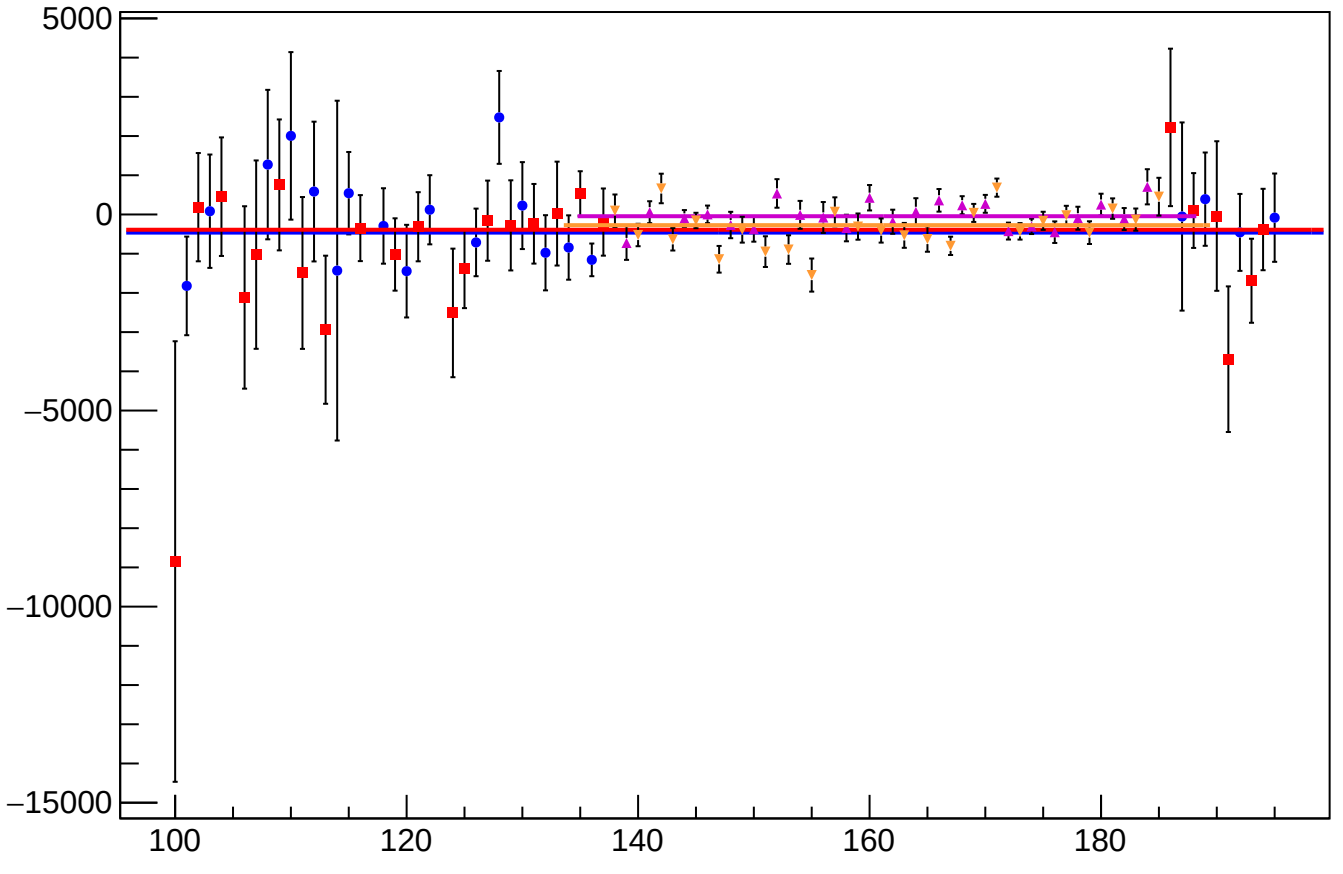
Right Out: 87.672+/-0.020 χ^2/NDF: 3234361.0/24

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 62.416+/-0.009 χ^2/NDF: 4475267.4/44

All: 63.197+/-0.006 χ^2/NDF: 10046384.0/92

- sign 64.030+/-0.009 χ^2/NDF: 5554029.9/47



Right In: -462.208+/-224.279 χ^2/NDF: 16.5/19

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

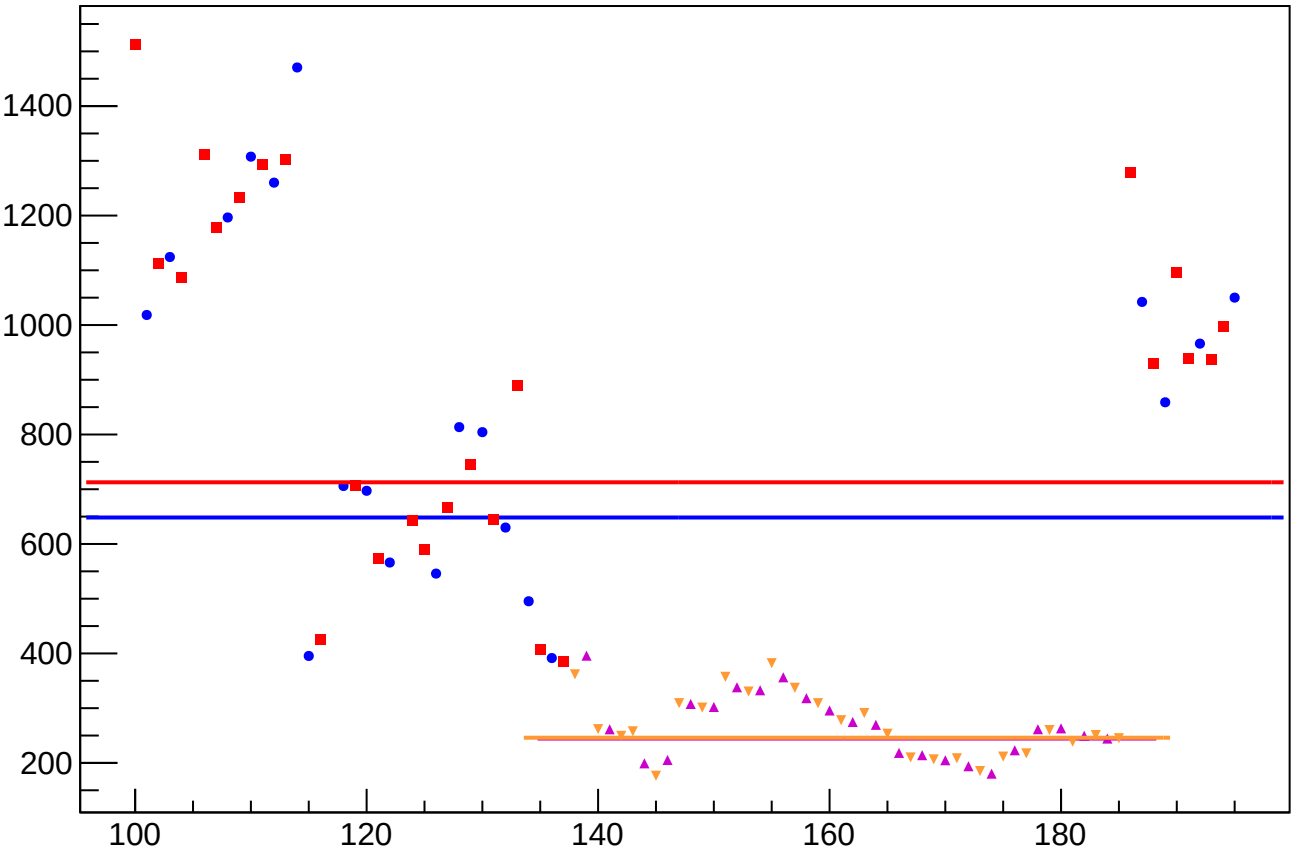
Right Out: -389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.126+/-55.493 χ^2/NDF: 82.9/44

All: -177.397+/-39.693 χ^2/NDF: 137.7/92

- sign -65.584+/-56.799 χ^2/NDF: 47.2/47



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: 712.681+/-0.163 χ^2/NDF: 2950955.4/24

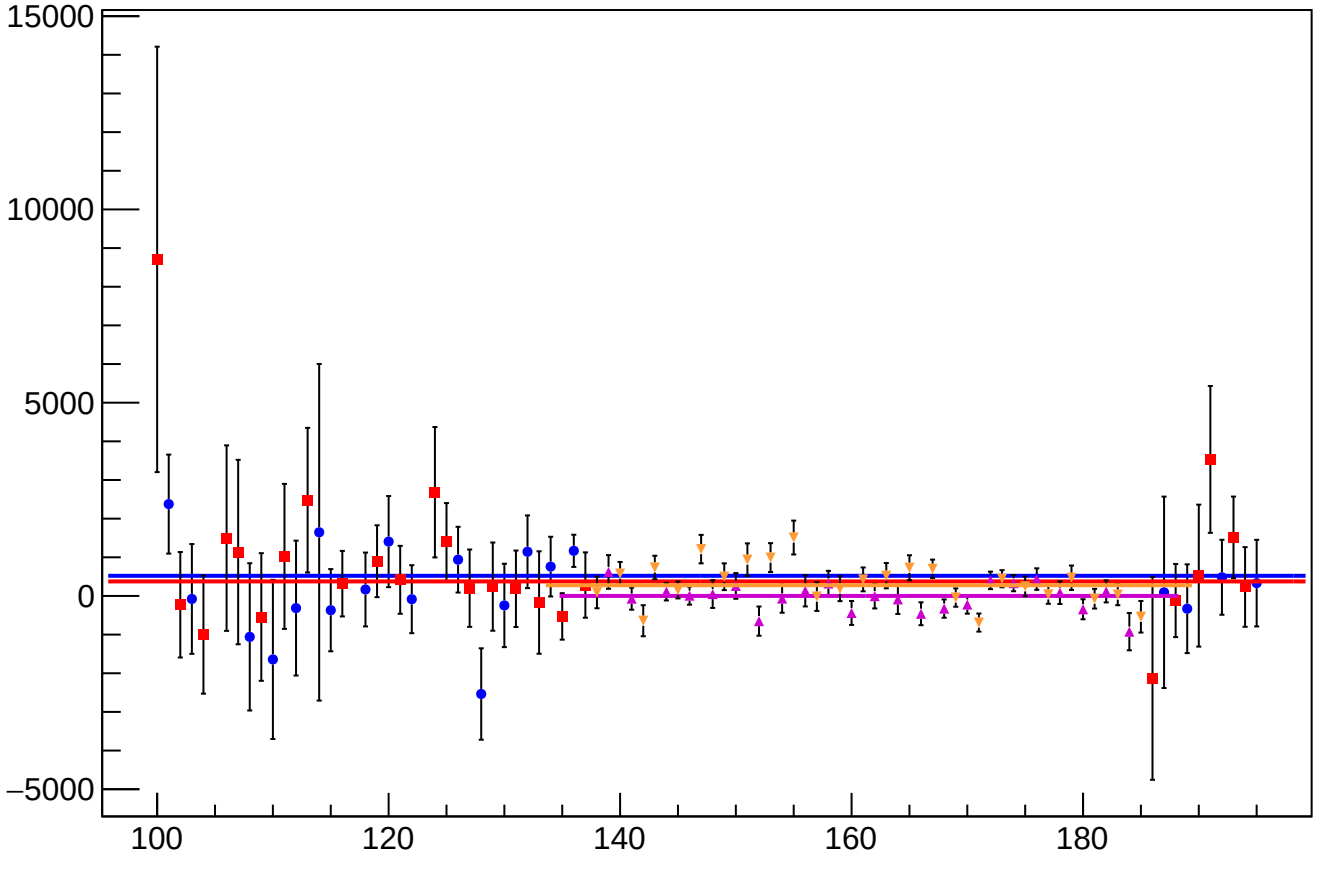
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 270.648+/-0.039 χ^2/NDF: 10438556.2/44

All: 271.794+/-0.028 χ^2/NDF: 22768737.6/92

- sign 272.994+/-0.040 χ^2/NDF: 12328435.5/47

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: 376.046+/-231.442 χ^2/NDF: 16.2/24

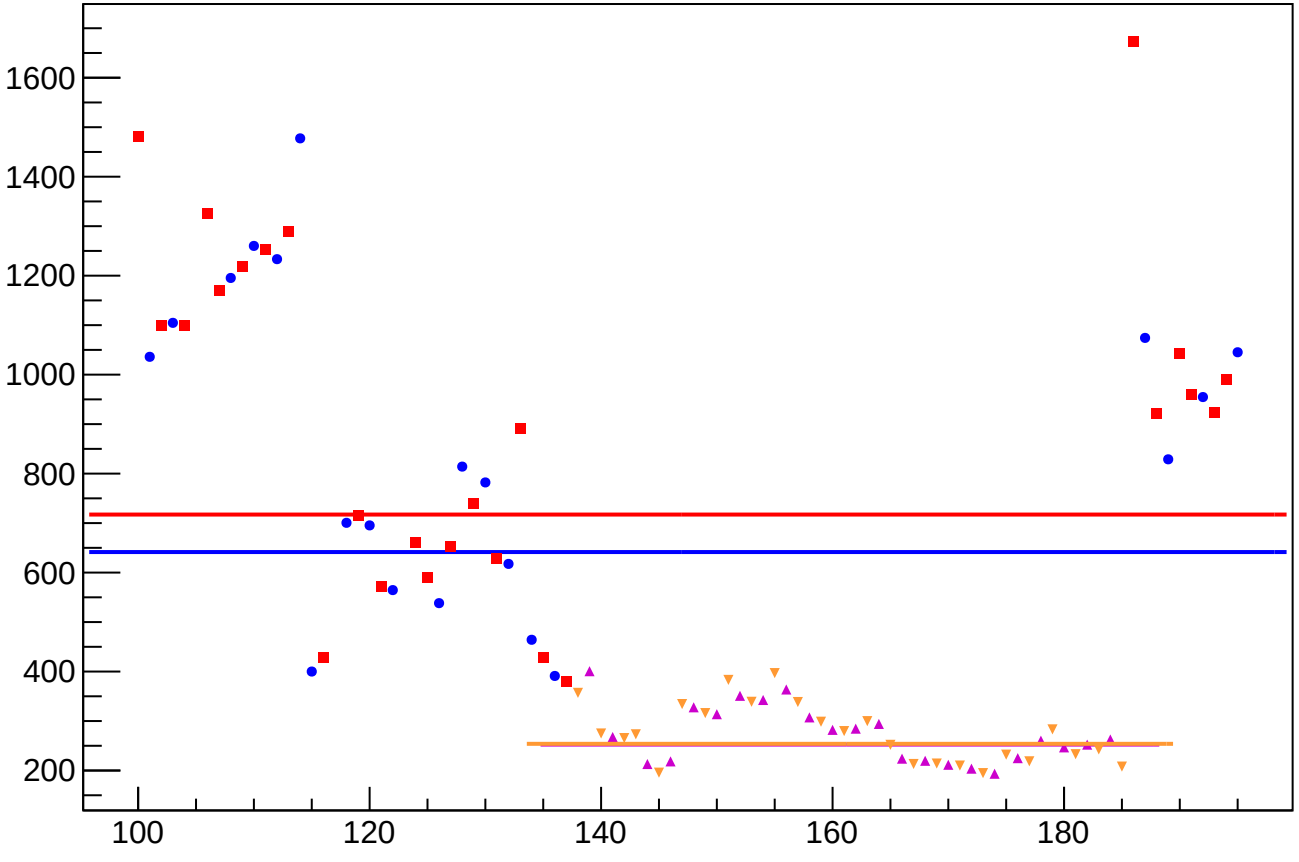
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 293.288+/-57.154 χ^2/NDF: 82.4/44

All: 161.782+/-40.848 χ^2/NDF: 140.1/92

- sign 24.466+/-58.403 χ^2/NDF: 46.8/47

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

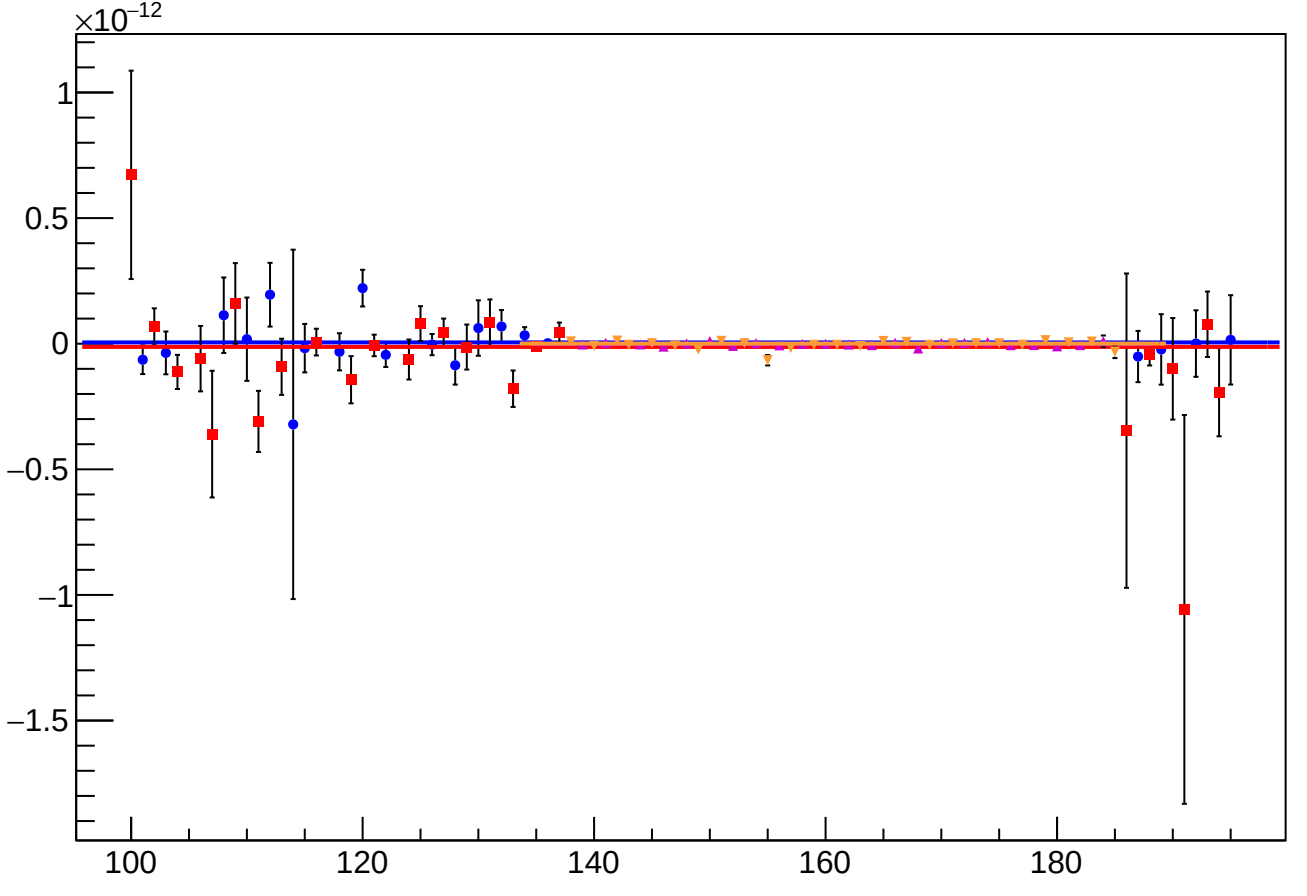
Right Out: 717.252+/-0.164 χ^2/NDF: 2885274.6/24

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 279.650+/-0.040 χ^2/NDF: 9987622.3/44

All: 280.795+/-0.029 χ^2/NDF: 21841478.6/92

- sign 281.991+/-0.041 χ^2/NDF: 11852214.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

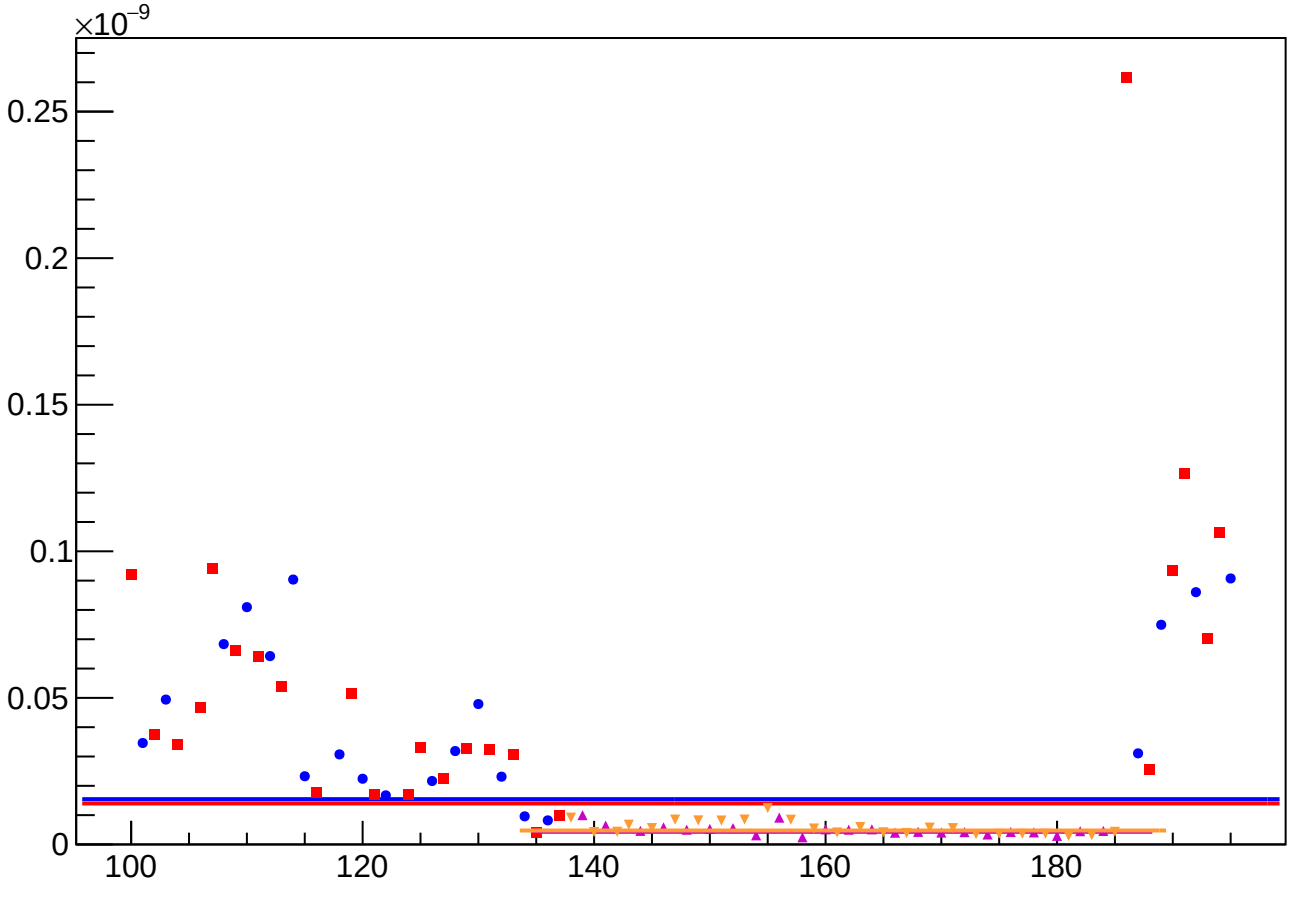
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/24

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: 95.6/92

- sign -0.000+/-0.000 χ^2/NDF: 48.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 3853764.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

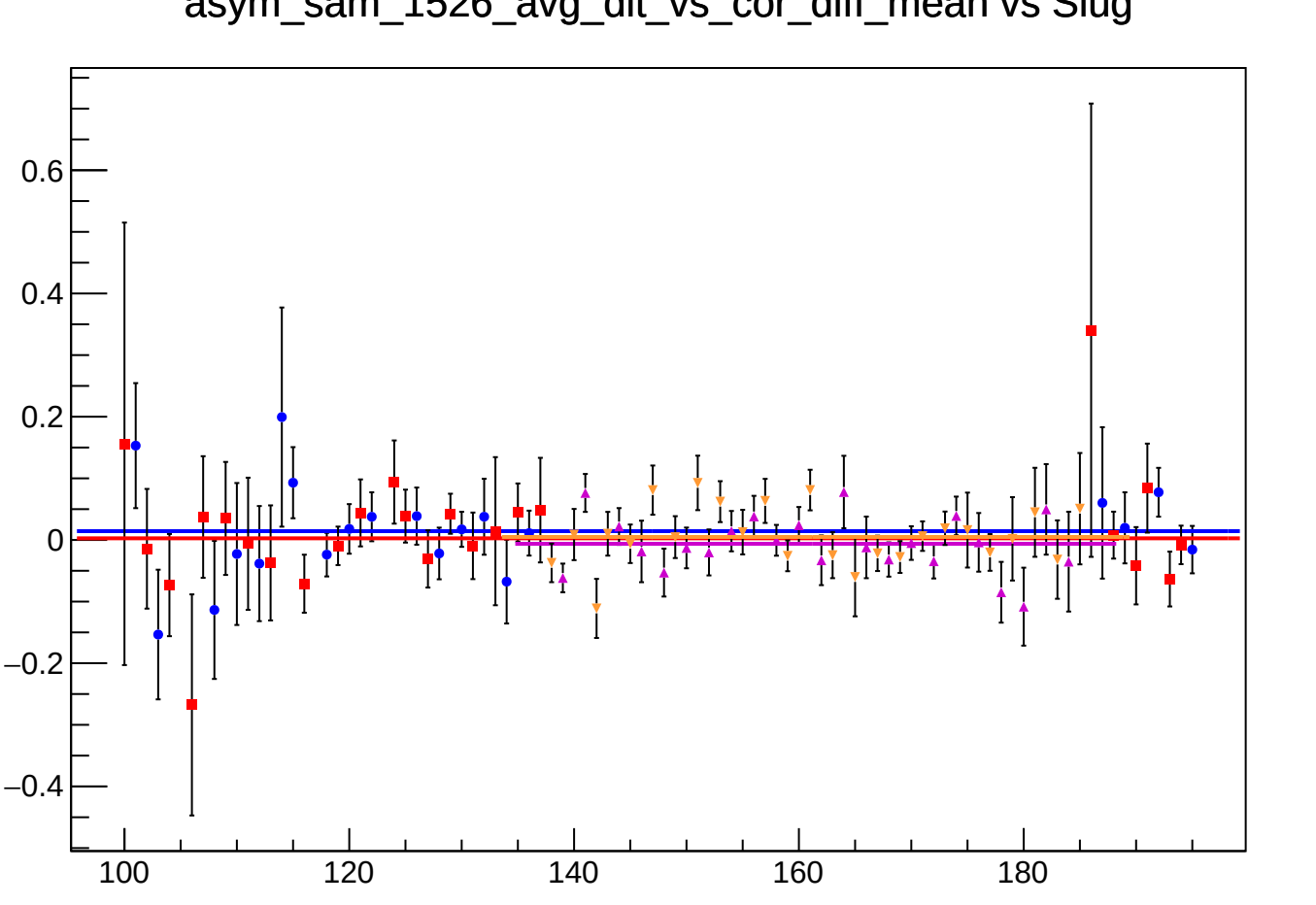
Right Out: 0.000+/-0.000 χ^2/NDF: 5245080.1/24

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: 15544545.8/92

- sign 0.000+/-0.000 χ^2/NDF: 7962032.5/47



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: 0.003+/-0.011 χ^2/NDF: 17.6/24

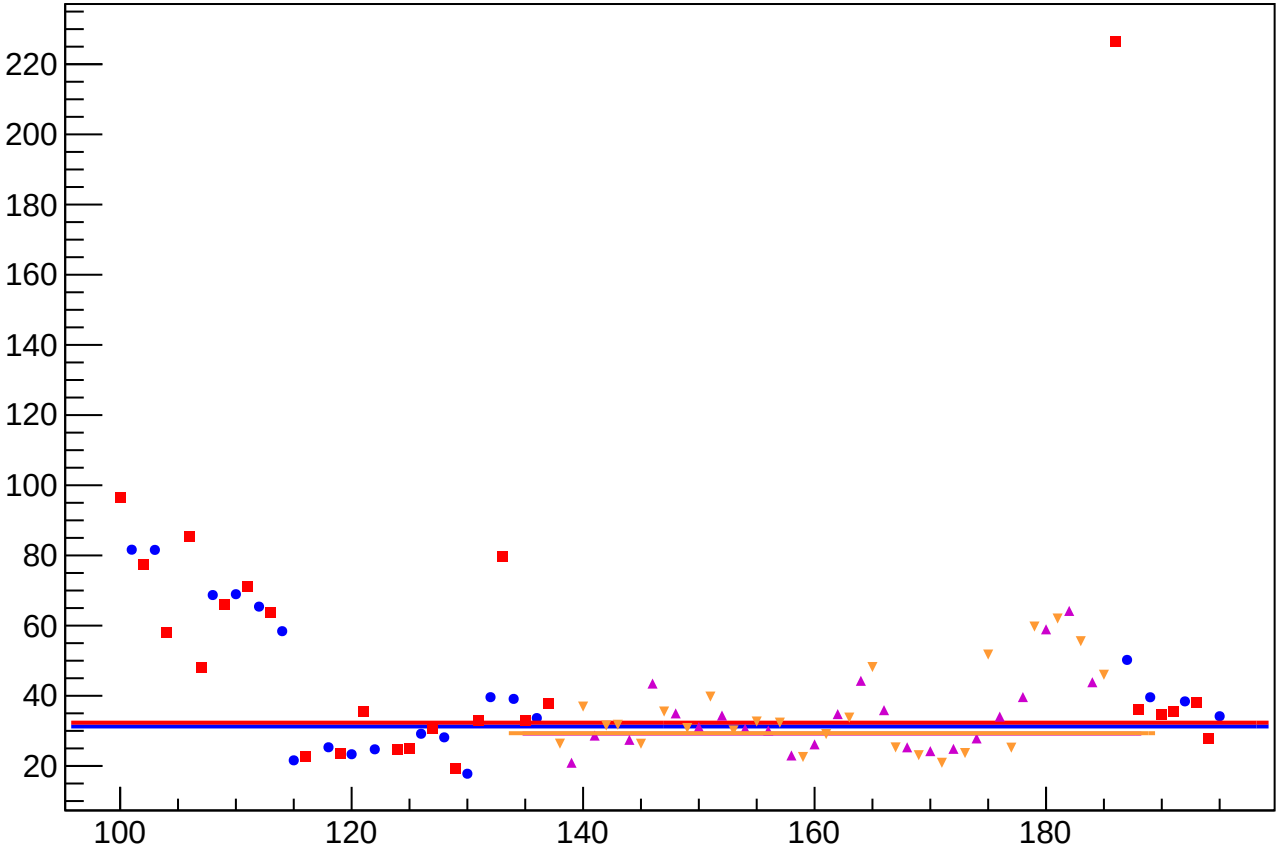
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.7/92

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47

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

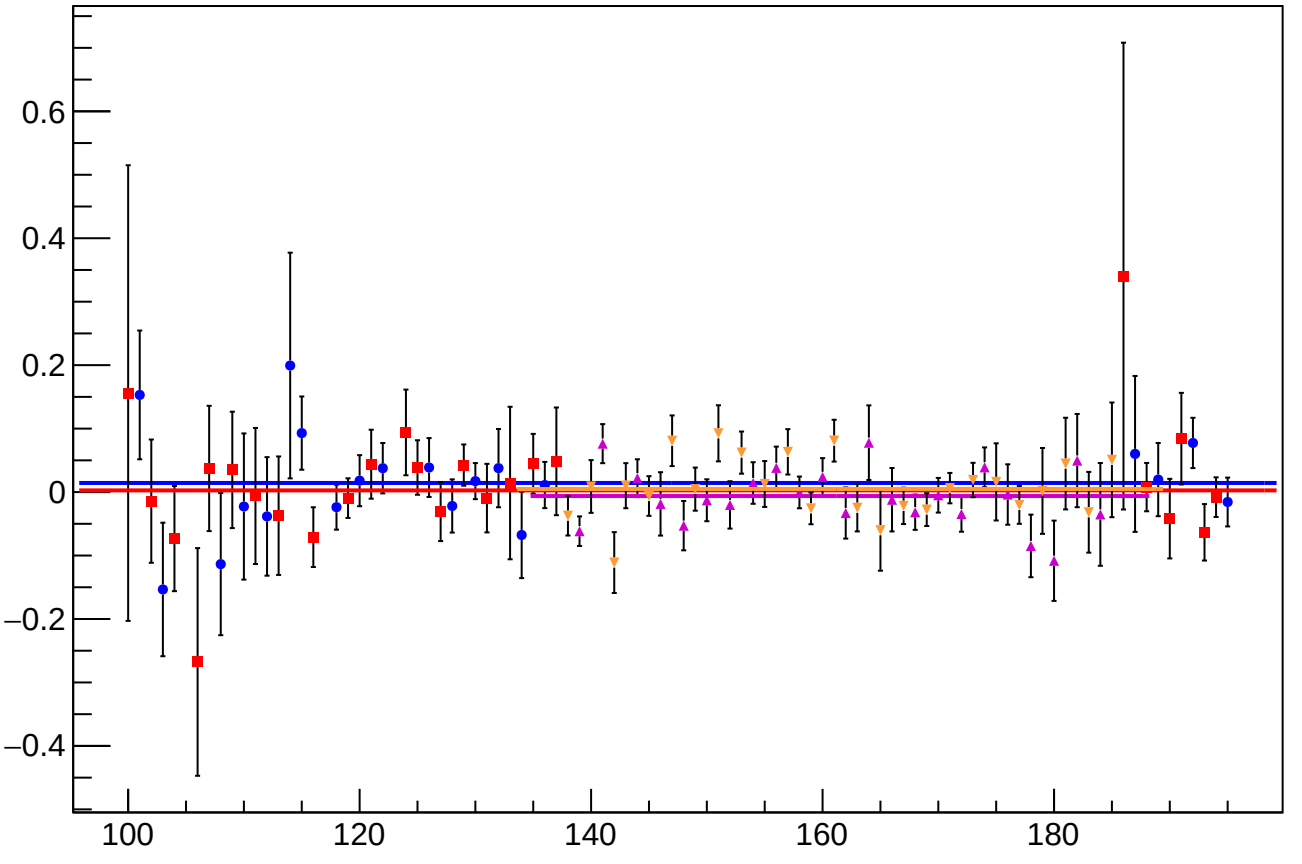
Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.891+/-0.004 χ^2/NDF: 5377028.8/44

All: 30.035+/-0.003 χ^2/NDF: 10904685.6/92

- sign 30.181+/-0.004 χ^2/NDF: 5525325.7/47



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: 0.003+/-0.011 χ^2/NDF: 17.6/24

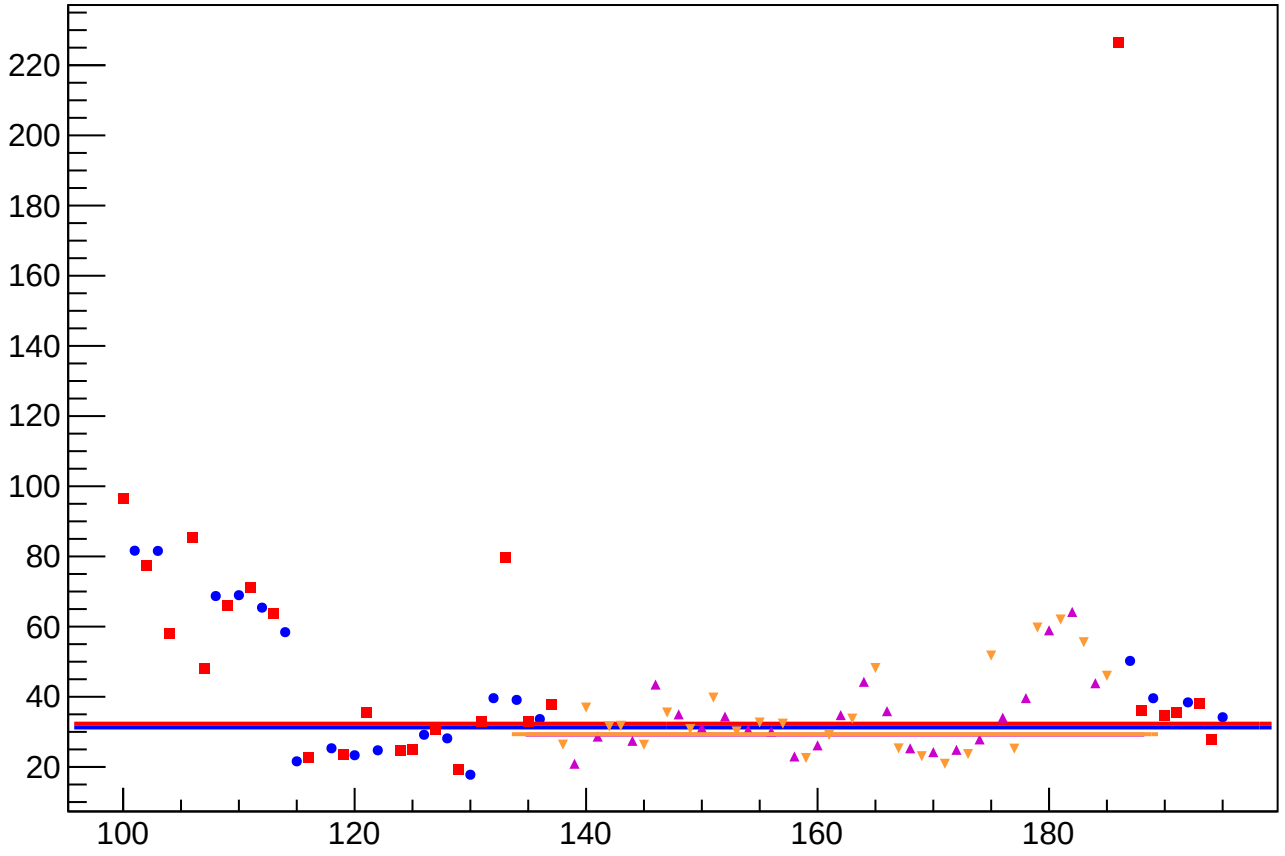
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.7/92

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47

asym_sam_1526_avg_dit_vs_eigen_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

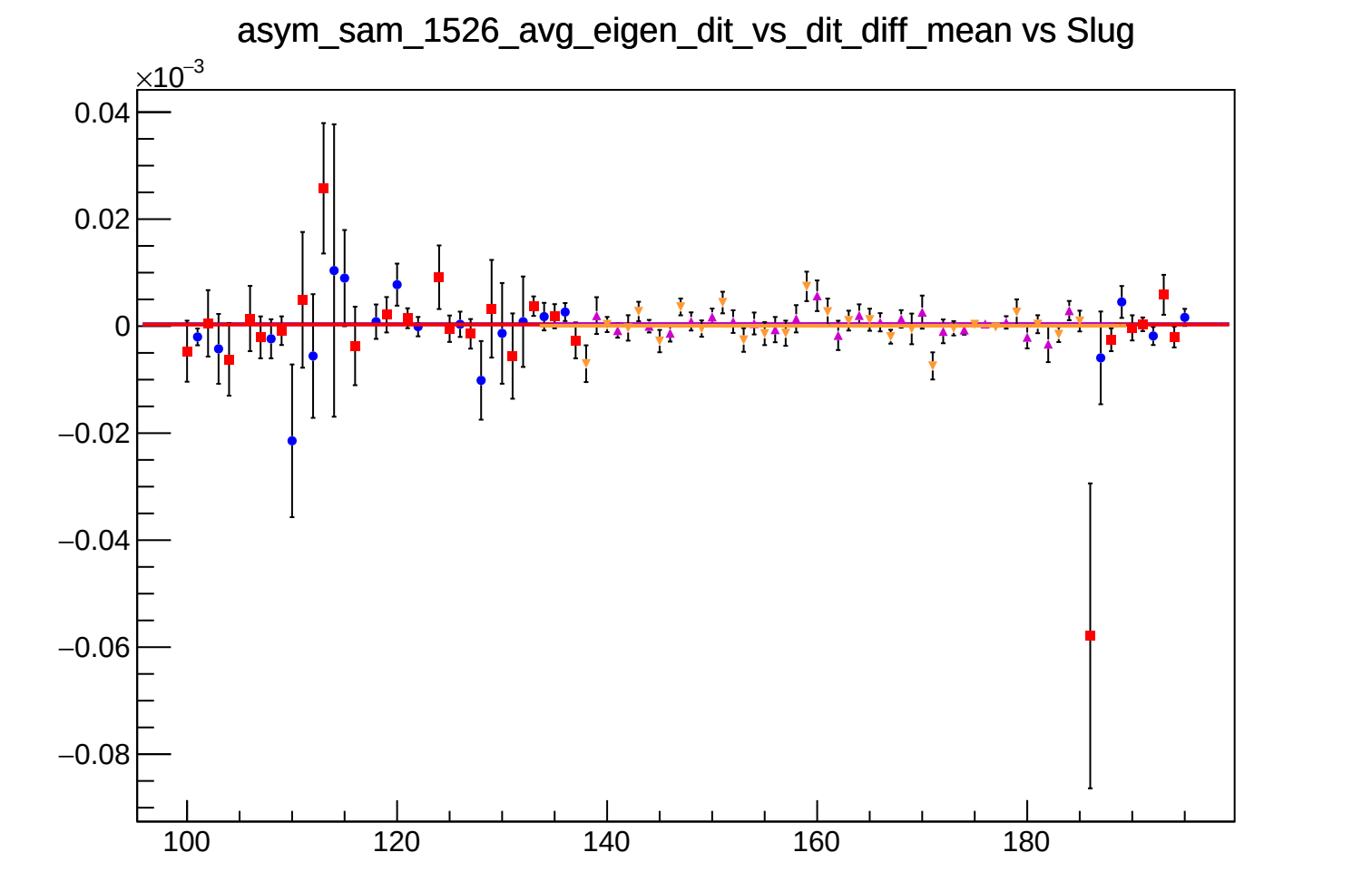
Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

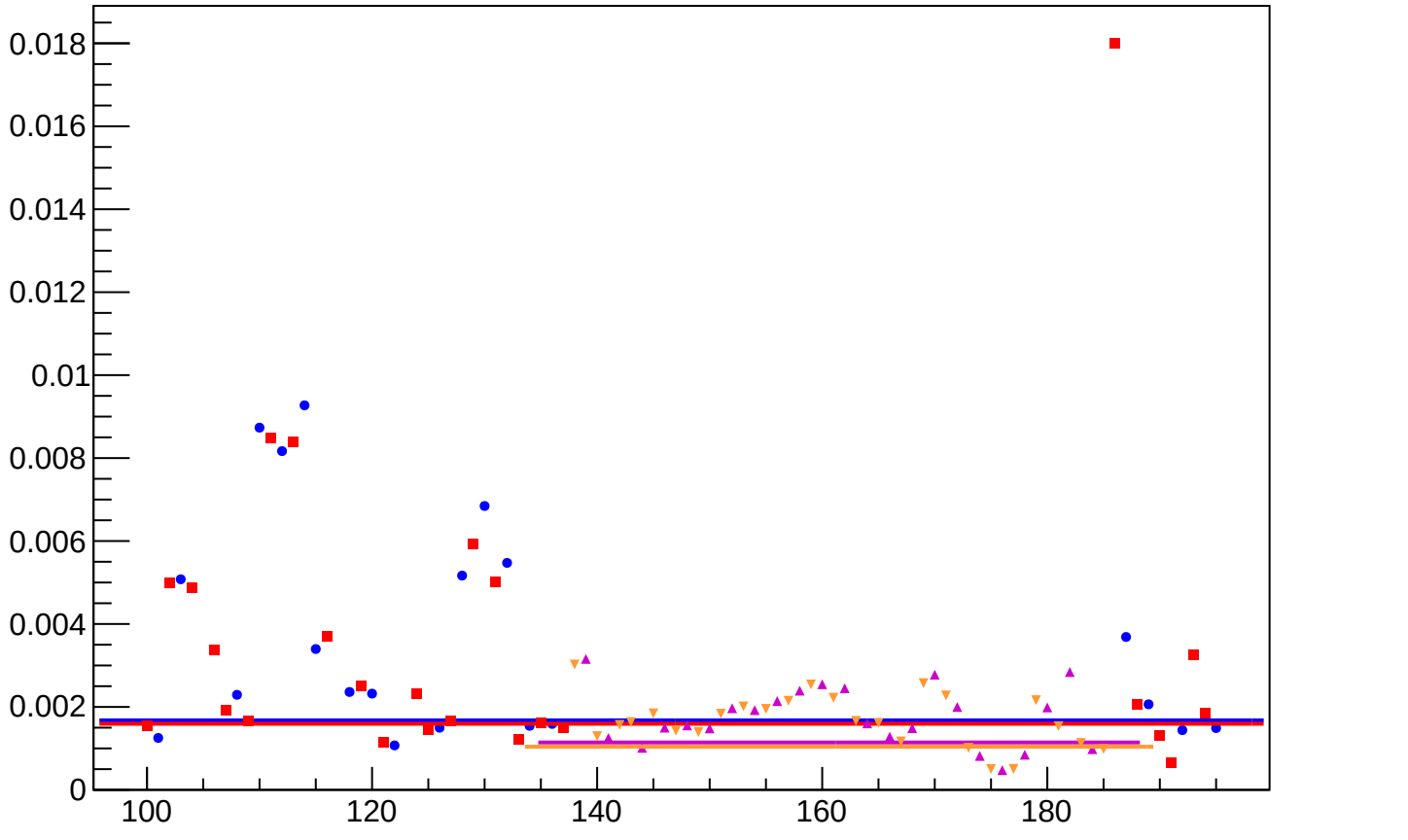
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.891+/-0.004 χ^2/NDF: 5377028.8/44

All: 30.035+/-0.003 χ^2/NDF: 10904685.6/92

- sign 30.181+/-0.004 χ^2/NDF: 5525325.7/47


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.6/19
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/24
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 63.5/44
All: 0.000+/-0.000 χ²/NDF: 104.8/92
- sign 0.000+/-0.000 χ²/NDF: 41.0/47



Right In: 0.002+/-0.000 χ^2/NDF: 4147938.6/19

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

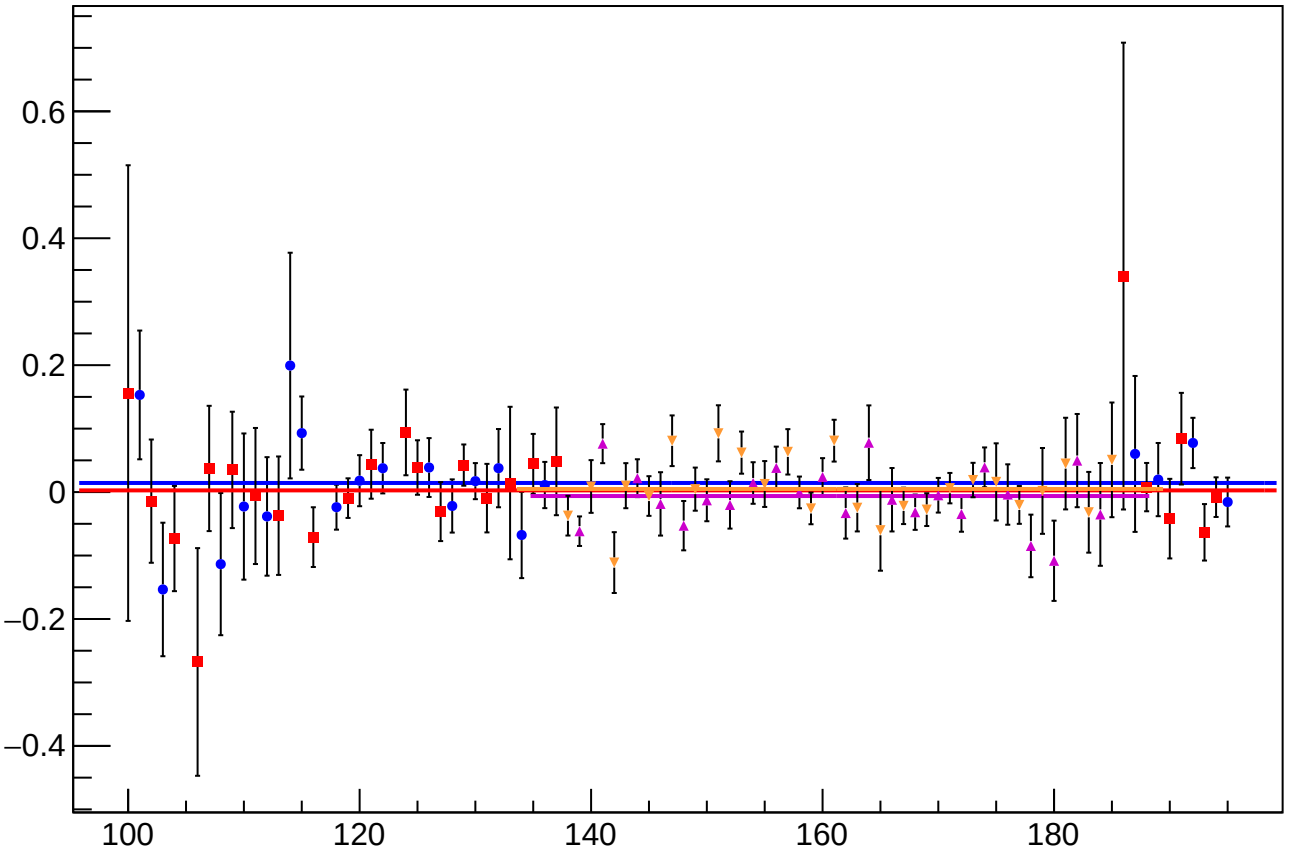
Right Out: 0.002+/-0.000 χ^2/NDF: 6165372.6/24

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: 31251797.0/92

- sign 0.001+/-0.000 χ^2/NDF: 15403145.1/47



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: 0.003+/-0.011 χ^2/NDF: 17.6/24

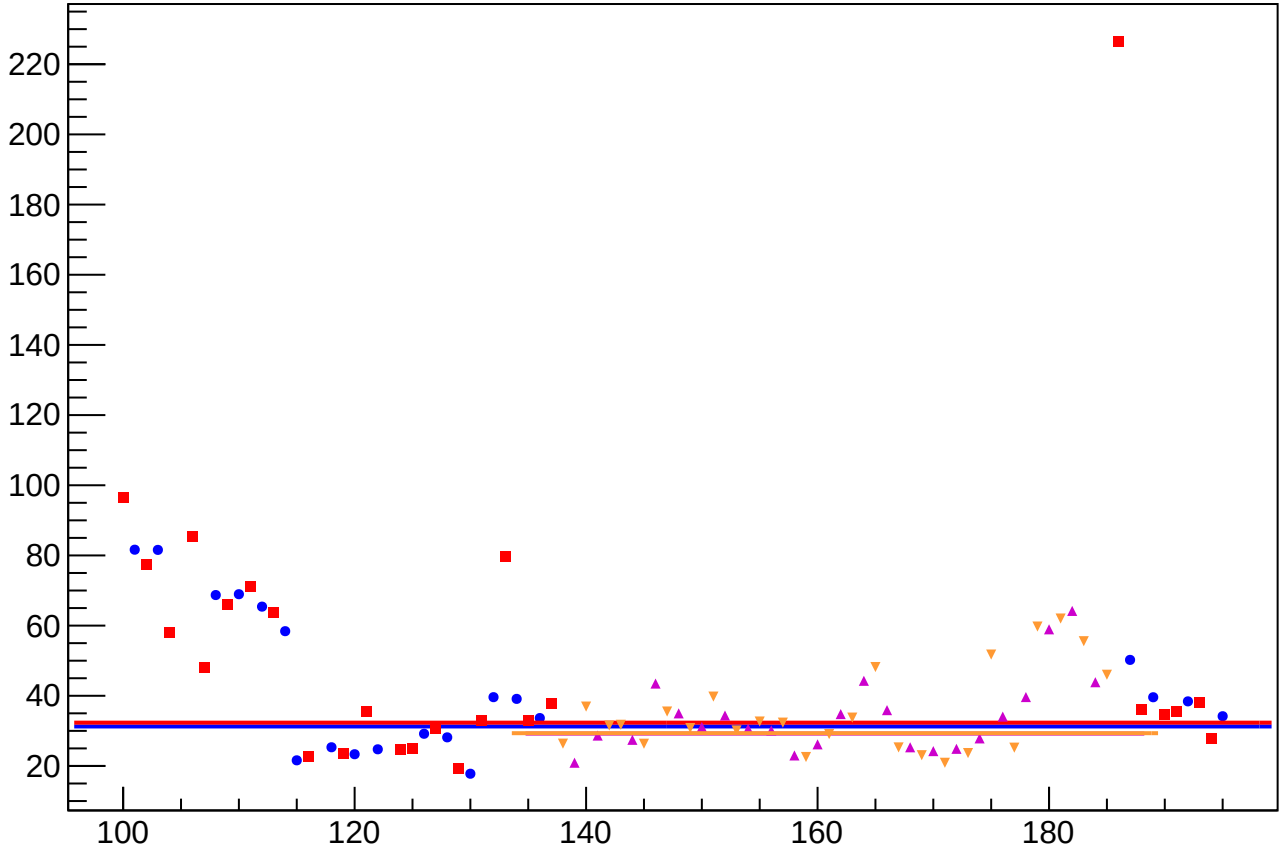
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 51.0/44

All: 0.002+/-0.004 χ^2/NDF: 101.7/92

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47

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

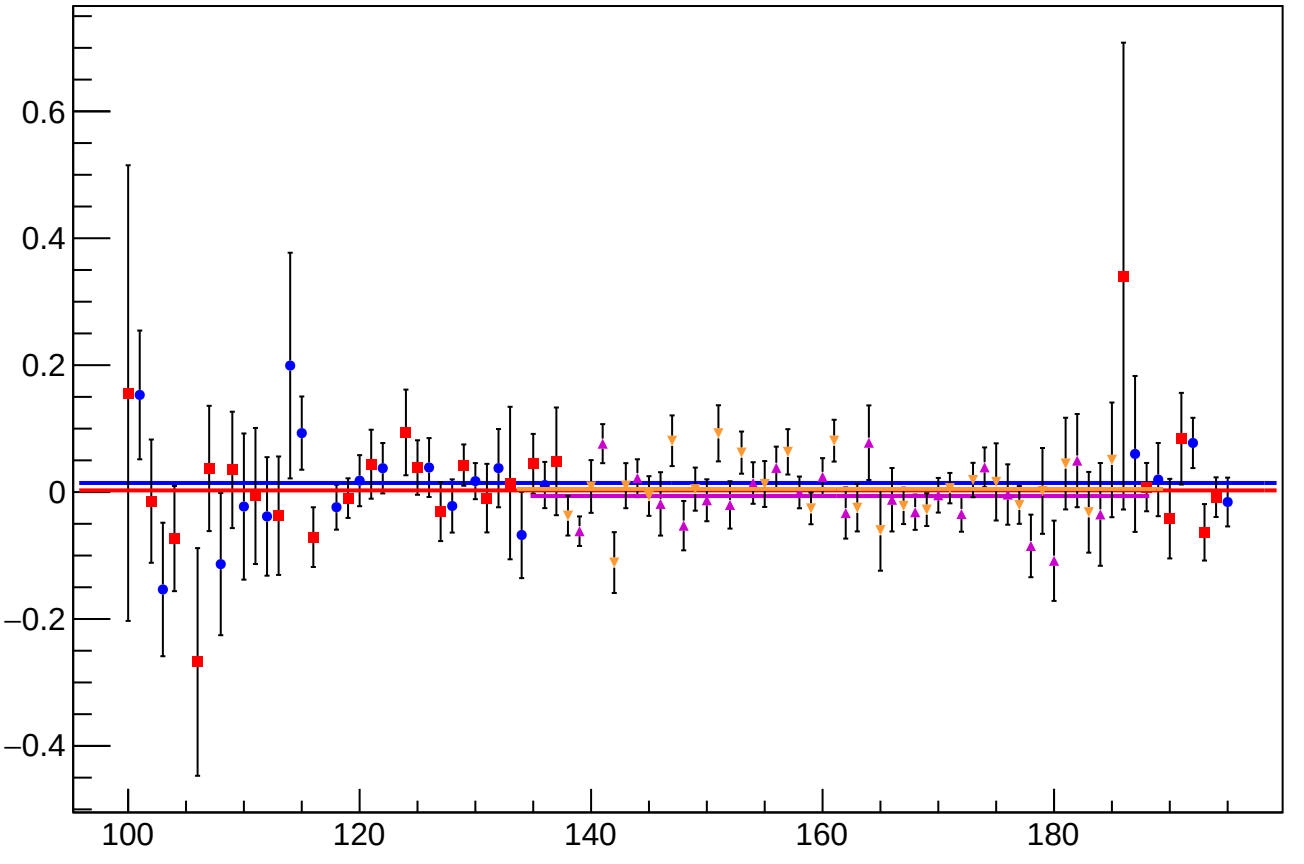
Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.890+/-0.004 χ^2/NDF: 5377279.5/44

All: 30.035+/-0.003 χ^2/NDF: 10904990.6/92

- sign 30.181+/-0.004 χ^2/NDF: 5525376.6/47



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

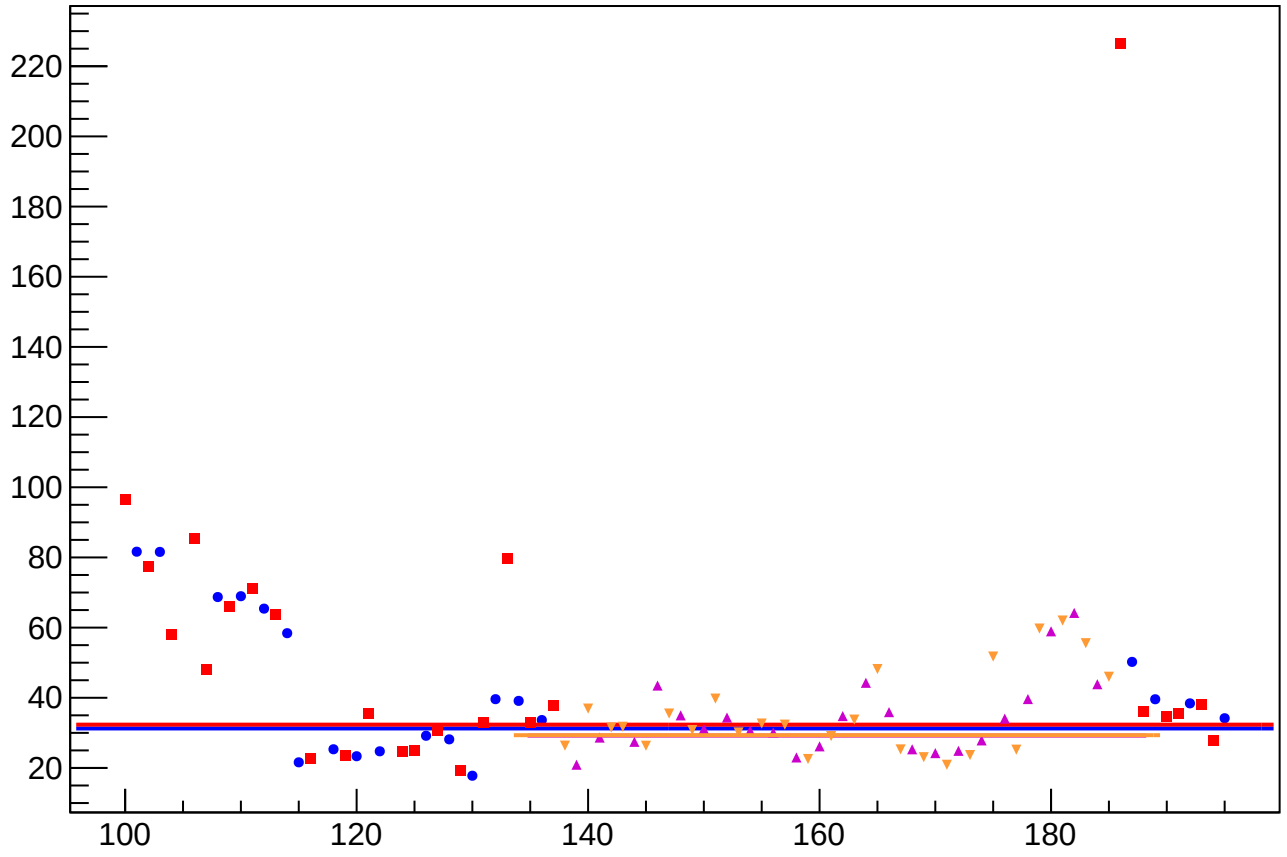
Right Out: 0.003+/-0.011 χ^2/NDF: 17.6/24

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: 101.7/92

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47



Right In: 31.255+/-0.008 χ^2/NDF: 2648093.3/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

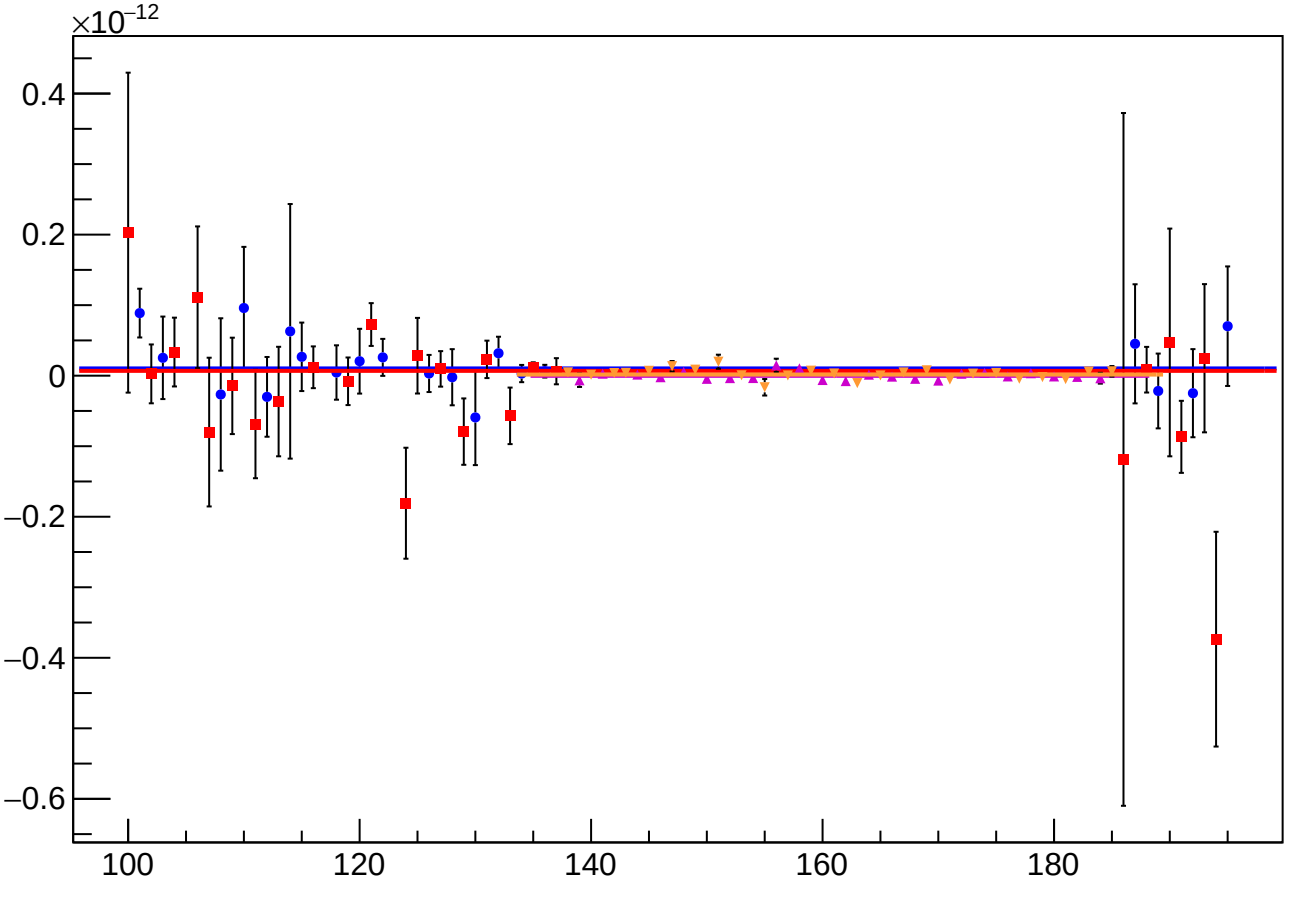
Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.890+/-0.004 χ^2/NDF: 5377279.5/44

All: 30.035+/-0.003 χ^2/NDF: 10904990.6/92

- sign 30.181+/-0.004 χ^2/NDF: 5525376.6/47



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: 31.3/24

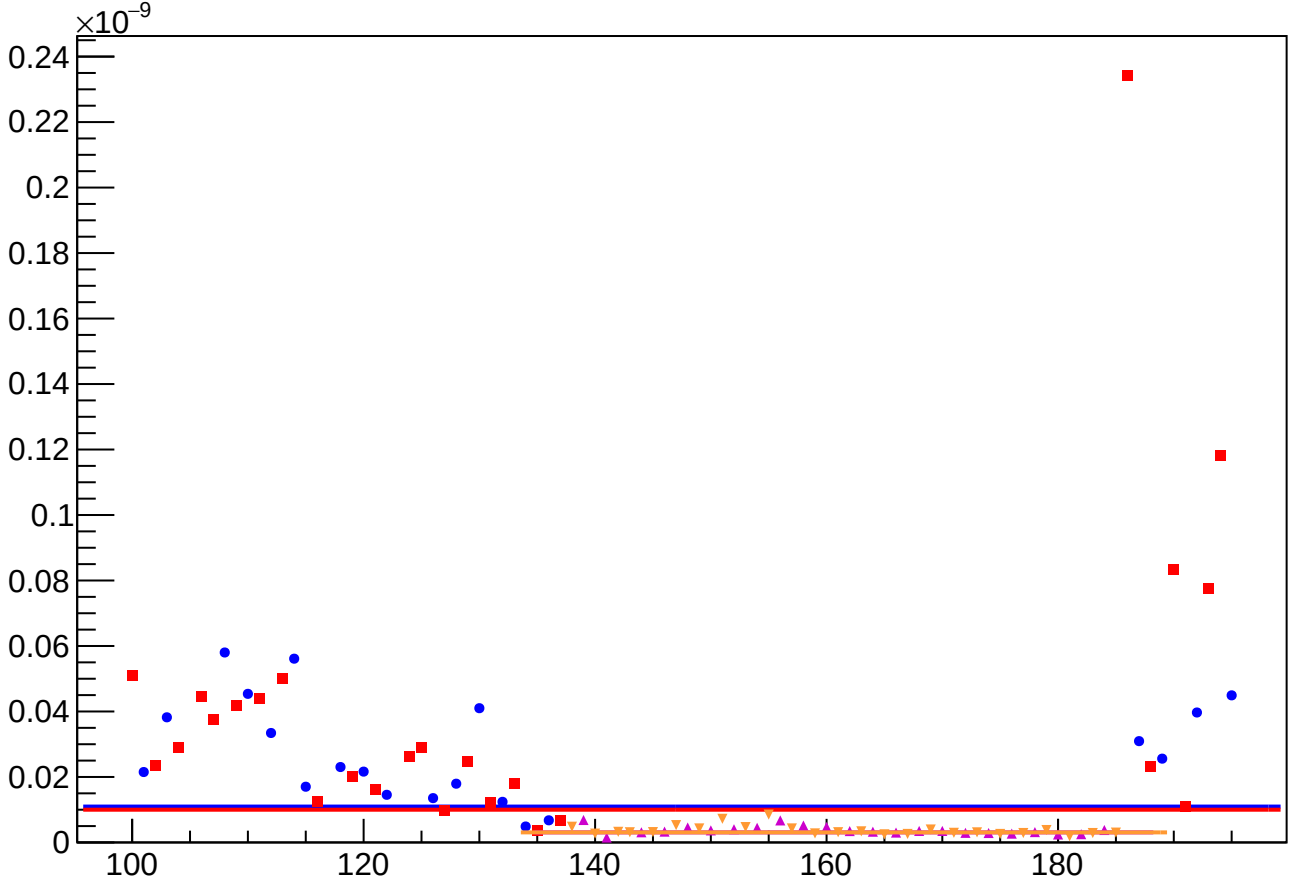
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/44

All: 0.000+/-0.000 χ^2/NDF: 101.7/92

- sign -0.000+/-0.000 χ^2/NDF: 51.3/47

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



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: 7561185.7/24

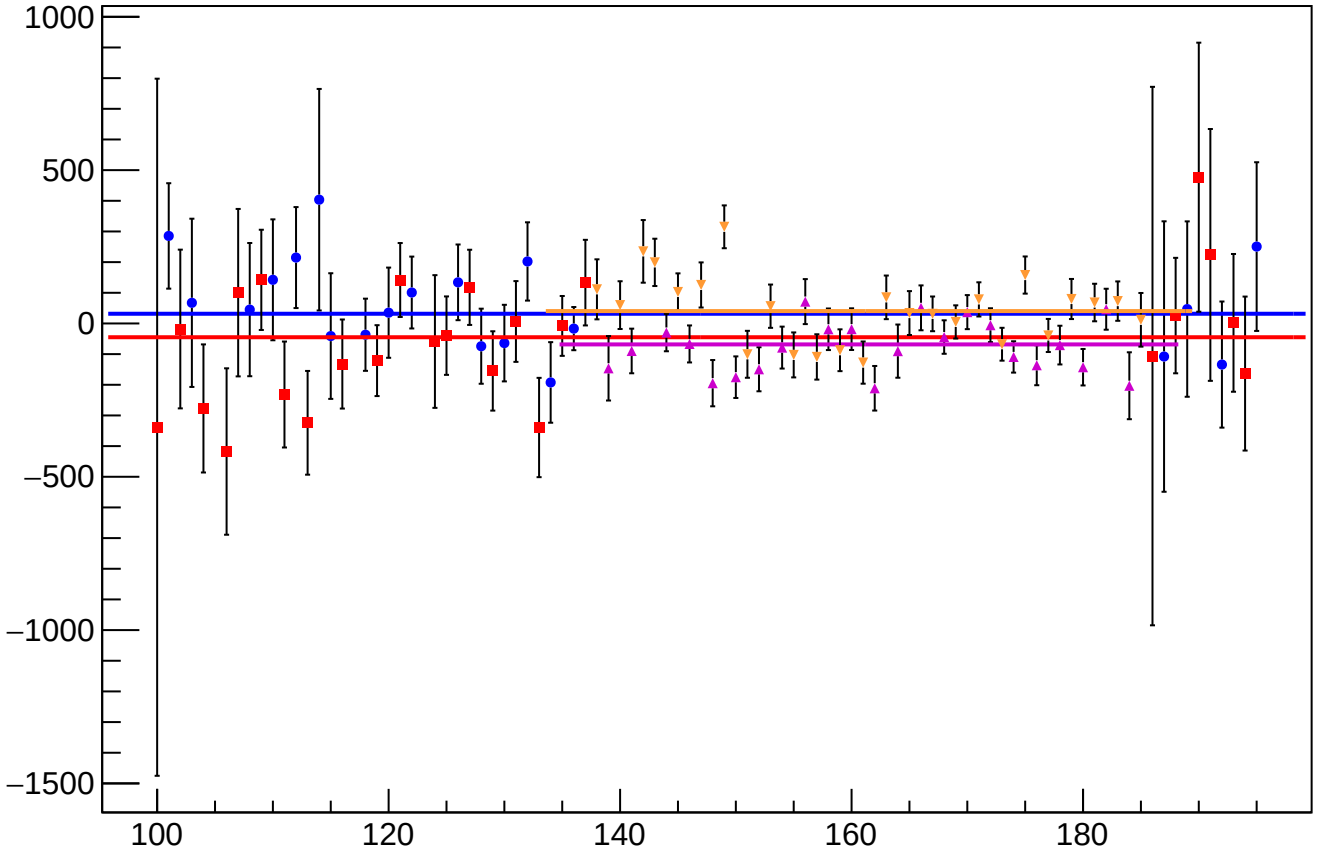
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10057693.0/44

All: 0.000+/-0.000 χ^2/NDF: 22567849.8/92

- sign 0.000+/-0.000 χ^2/NDF: 12510152.8/47

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: -44.940+/-33.340 χ^2/NDF: 21.8/24

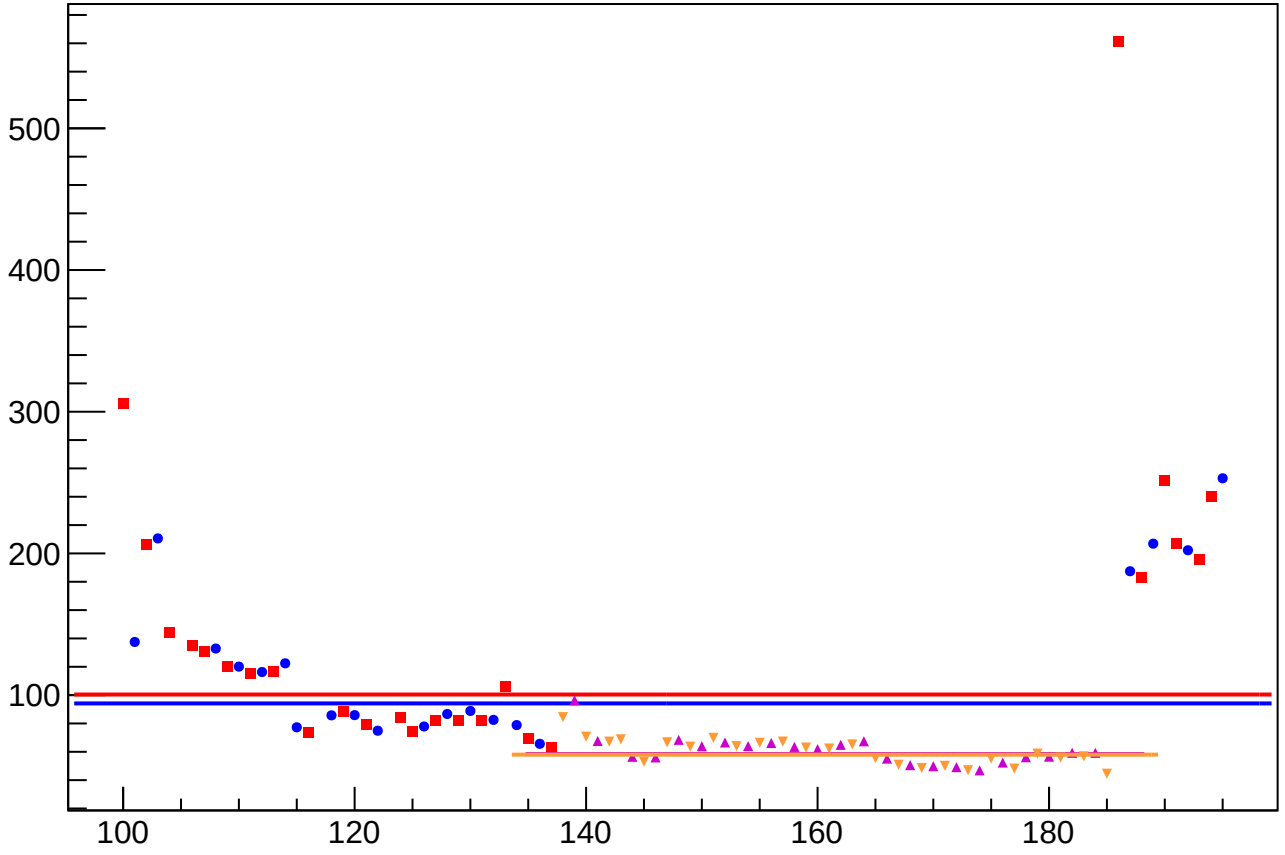
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -11.275+/-8.911 χ^2/NDF: 161.7/92

- sign -64.893+/-12.803 χ^2/NDF: 54.0/47

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

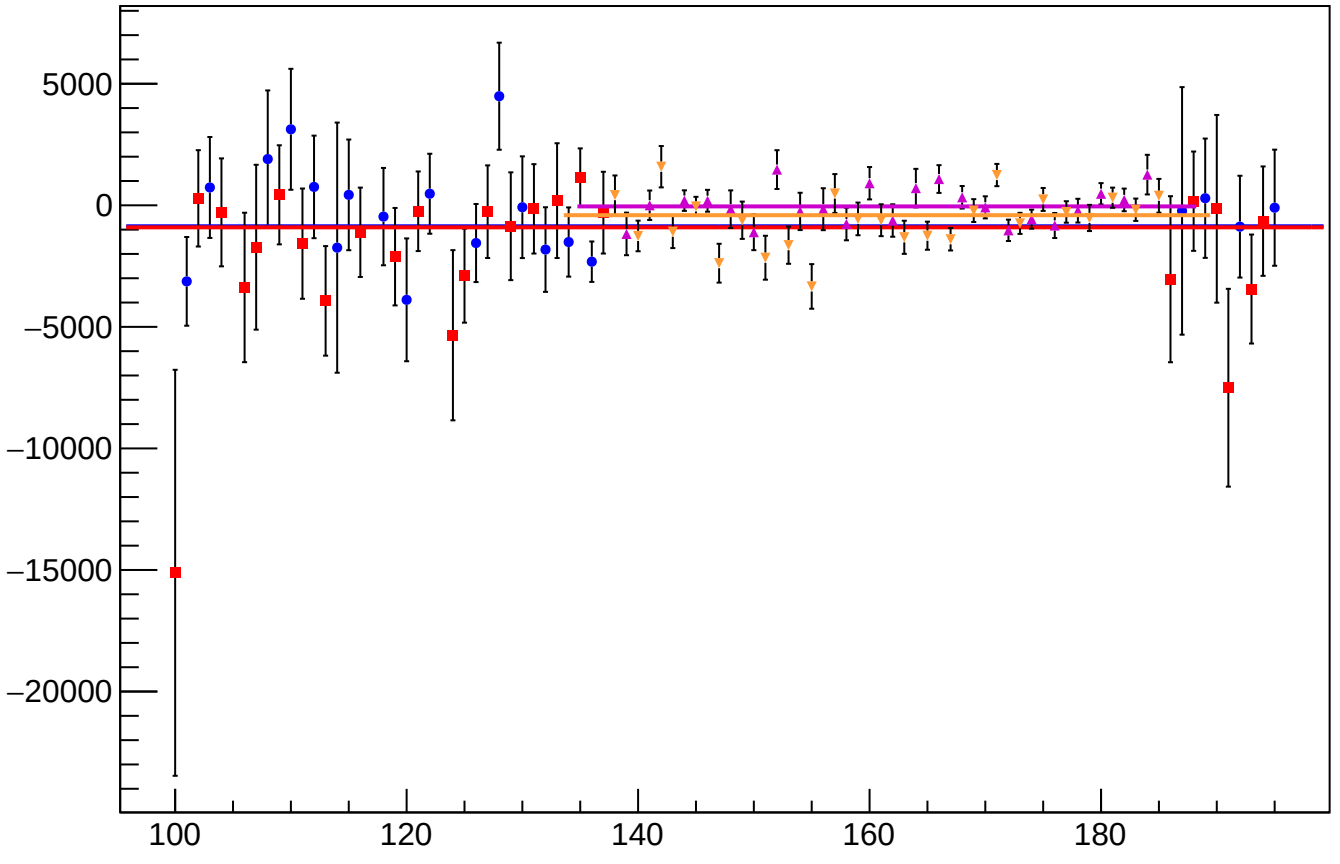
Right Out: 100.421+/-0.024 χ^2/NDF: 3611082.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637767.9/44

All: 63.848+/-0.006 χ^2/NDF: 12706204.4/92

- sign 64.594+/-0.009 χ^2/NDF: 7055275.6/47



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: -906.347+/-429.648 χ^2/NDF: 17.7/24

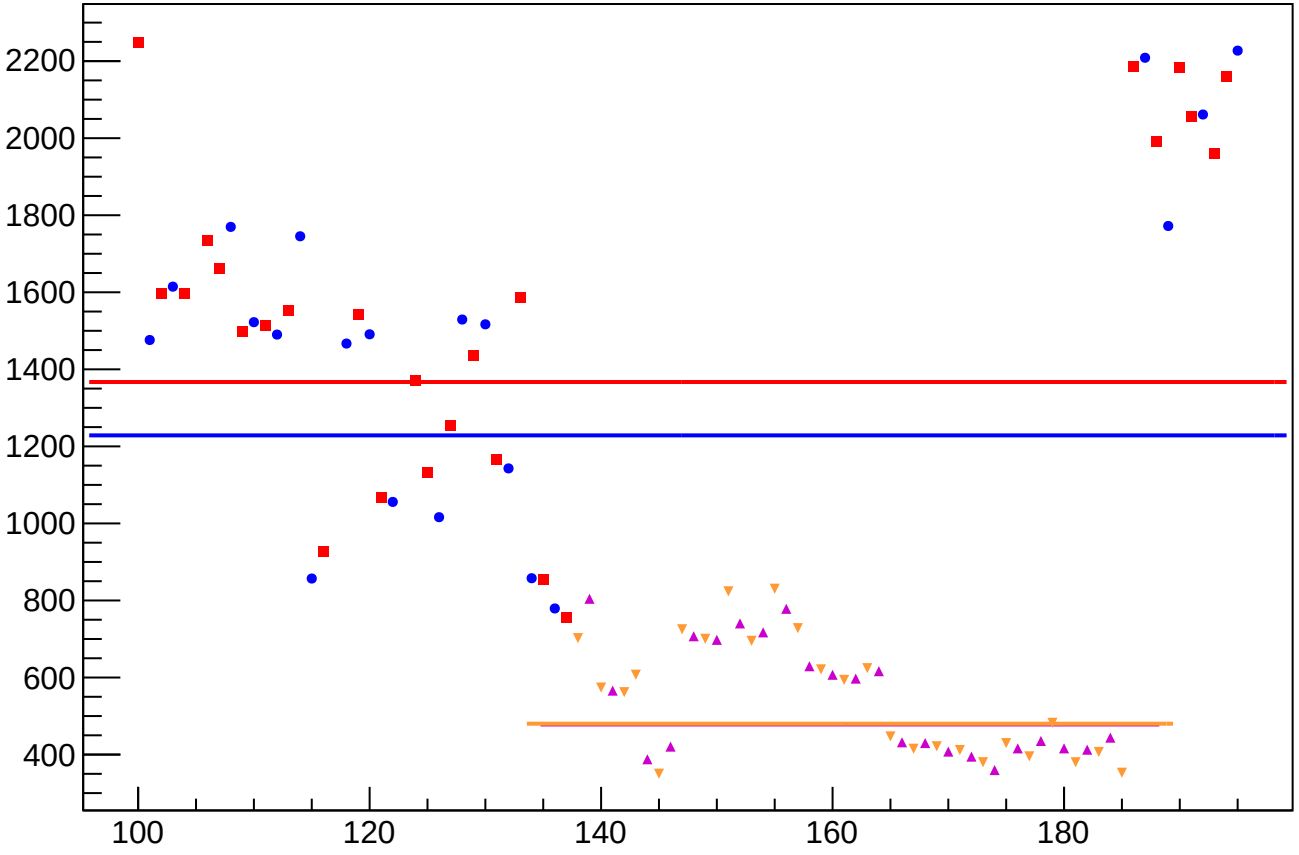
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -437.776+/-109.486 χ^2/NDF: 83.2/44

All: -273.927+/-78.216 χ^2/NDF: 140.3/92

- sign -103.143+/-111.779 χ^2/NDF: 52.5/47

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: 1367.101+/-0.304 χ^2/NDF: 1887193.9/24

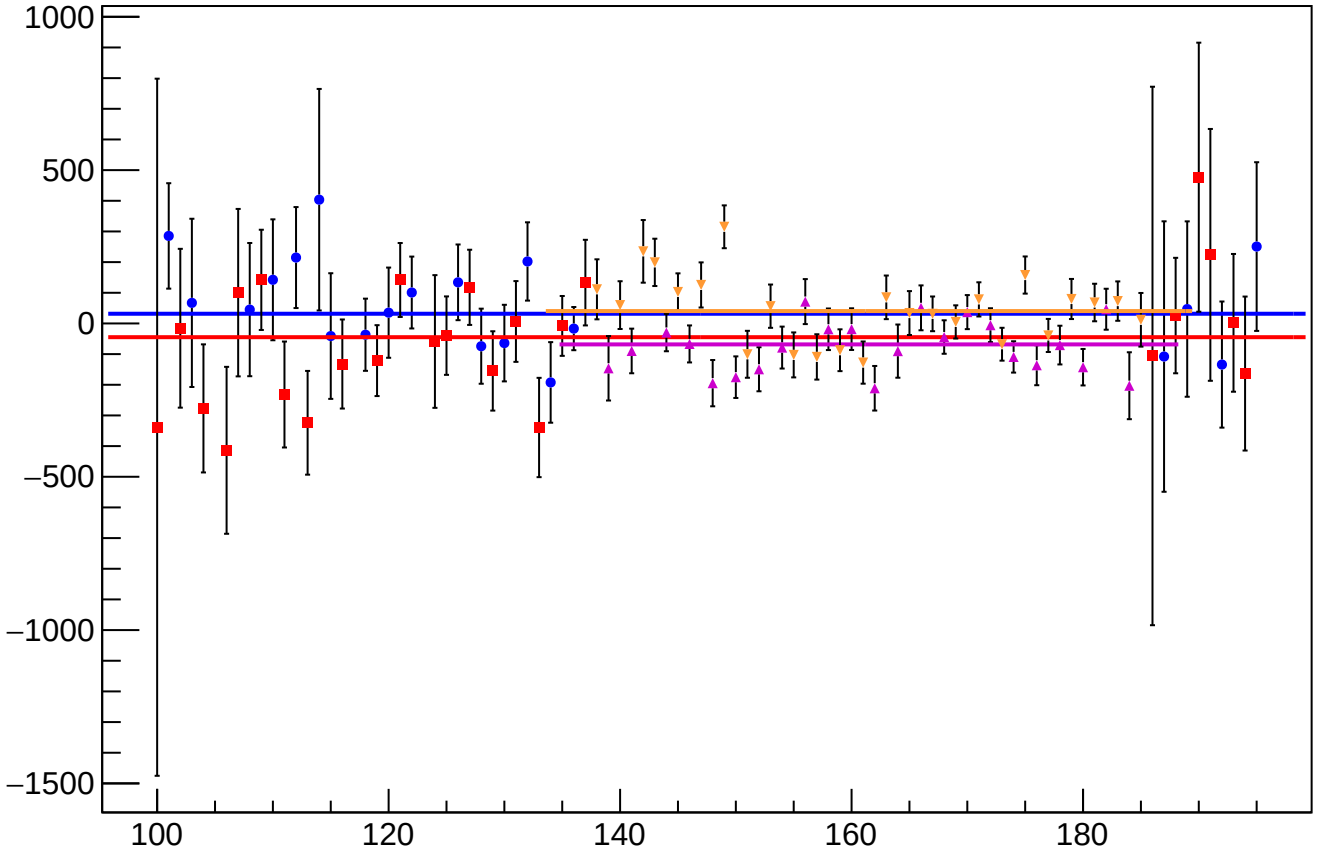
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 531.769+/-0.077 χ^2/NDF: 10639368.0/44

All: 534.946+/-0.055 χ^2/NDF: 22728929.0/92

- sign 538.257+/-0.079 χ^2/NDF: 12086122.8/47

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: -44.801+/-33.342 χ^2/NDF: 21.8/24

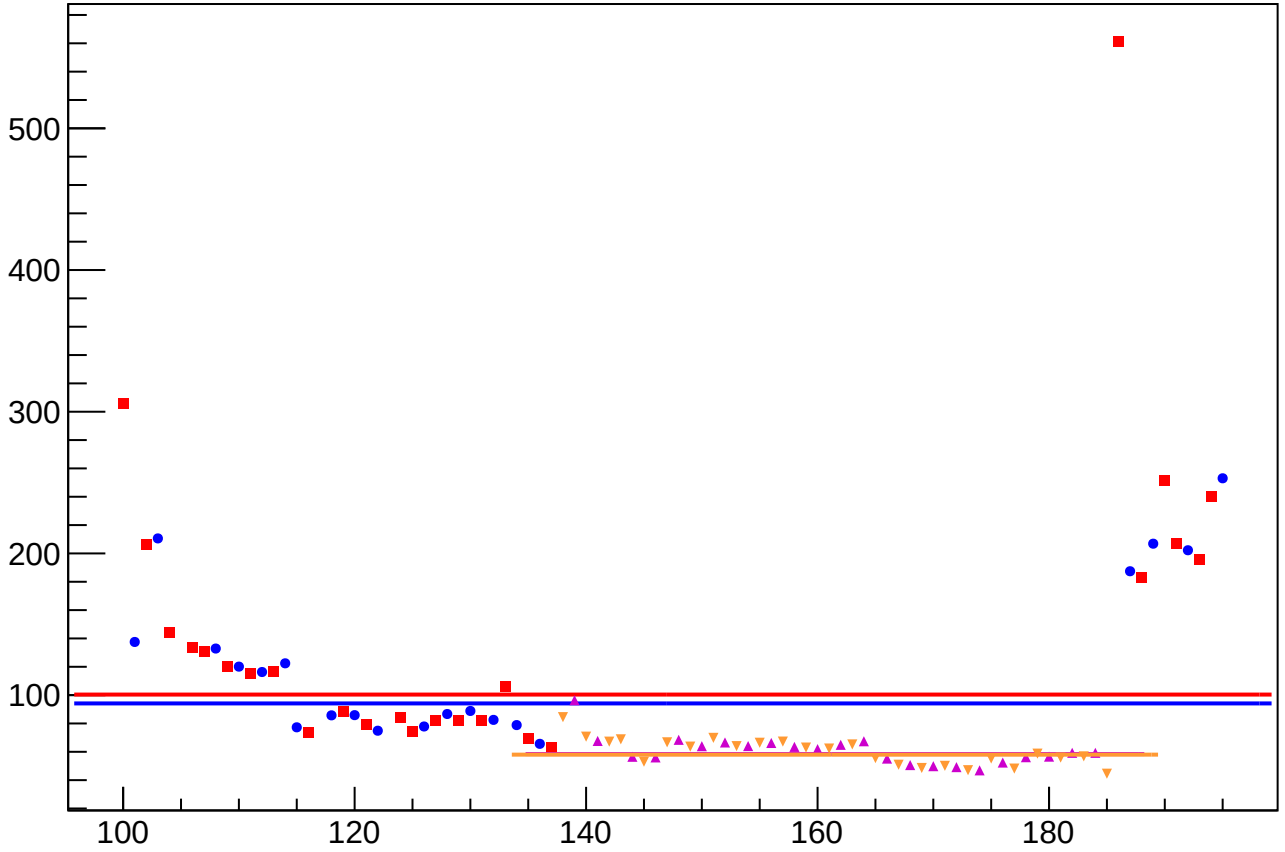
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -11.264+/-8.911 χ^2/NDF: 161.7/92

- sign -64.872+/-12.803 χ^2/NDF: 54.0/47

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

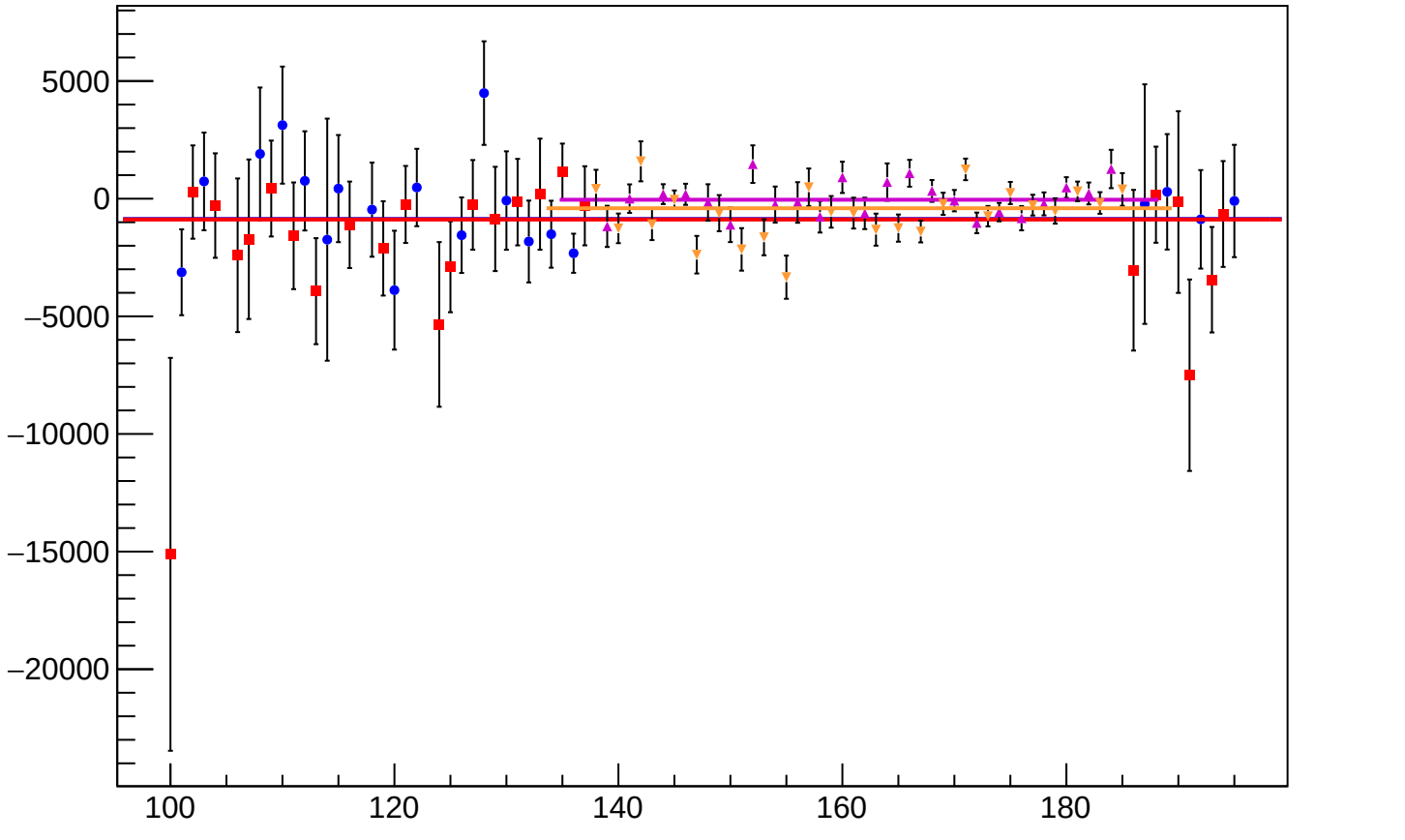
Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637770.1/44

All: 63.845+/-0.006 χ^2/NDF: 12698163.5/92

- sign 64.588+/-0.009 χ^2/NDF: 7047331.2/47



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: -884.292+/-430.141 χ^2/NDF: 17.3/24

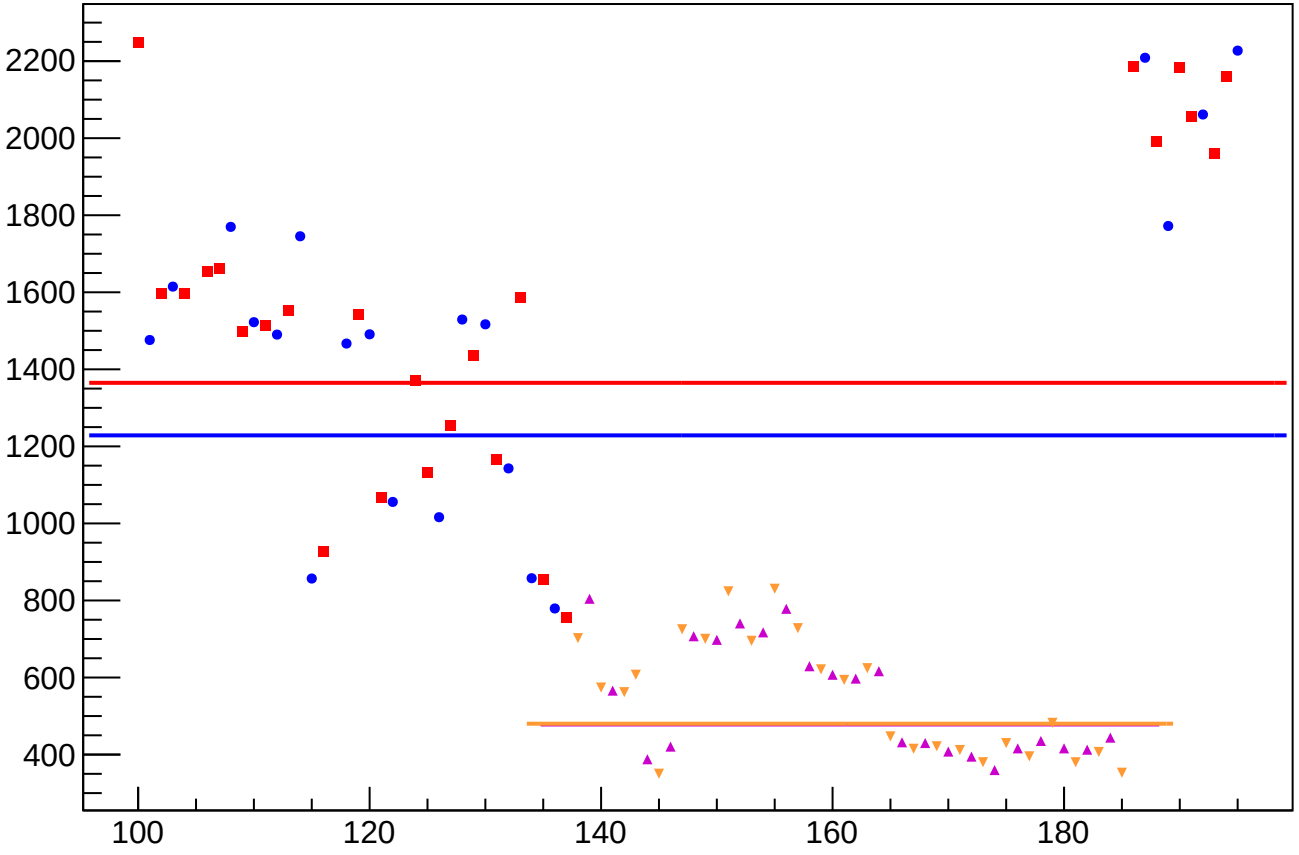
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.772+/-109.486 χ^2/NDF: 83.2/44

All: -273.147+/-78.219 χ^2/NDF: 139.7/92

- sign -101.528+/-111.787 χ^2/NDF: 51.9/47

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: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

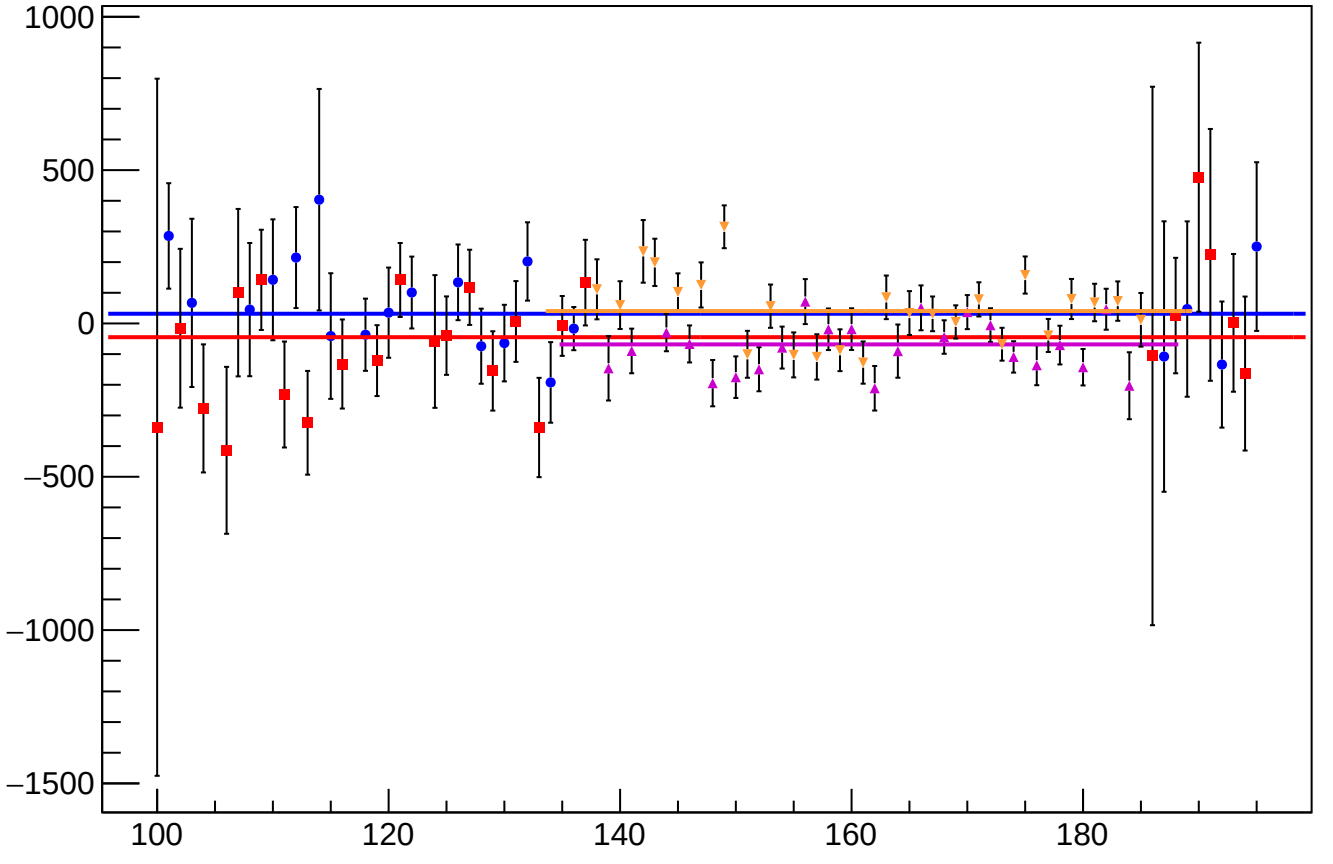
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

\+ sign 531.769+/-0.077 χ^2/NDF: 10639395.0/44

All: 534.812+/-0.055 χ^2/NDF: 22660811.2/92

\- sign 537.984+/-0.079 χ^2/NDF: 12018260.8/47

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: -44.801+/-33.342 χ^2/NDF: 21.8/24

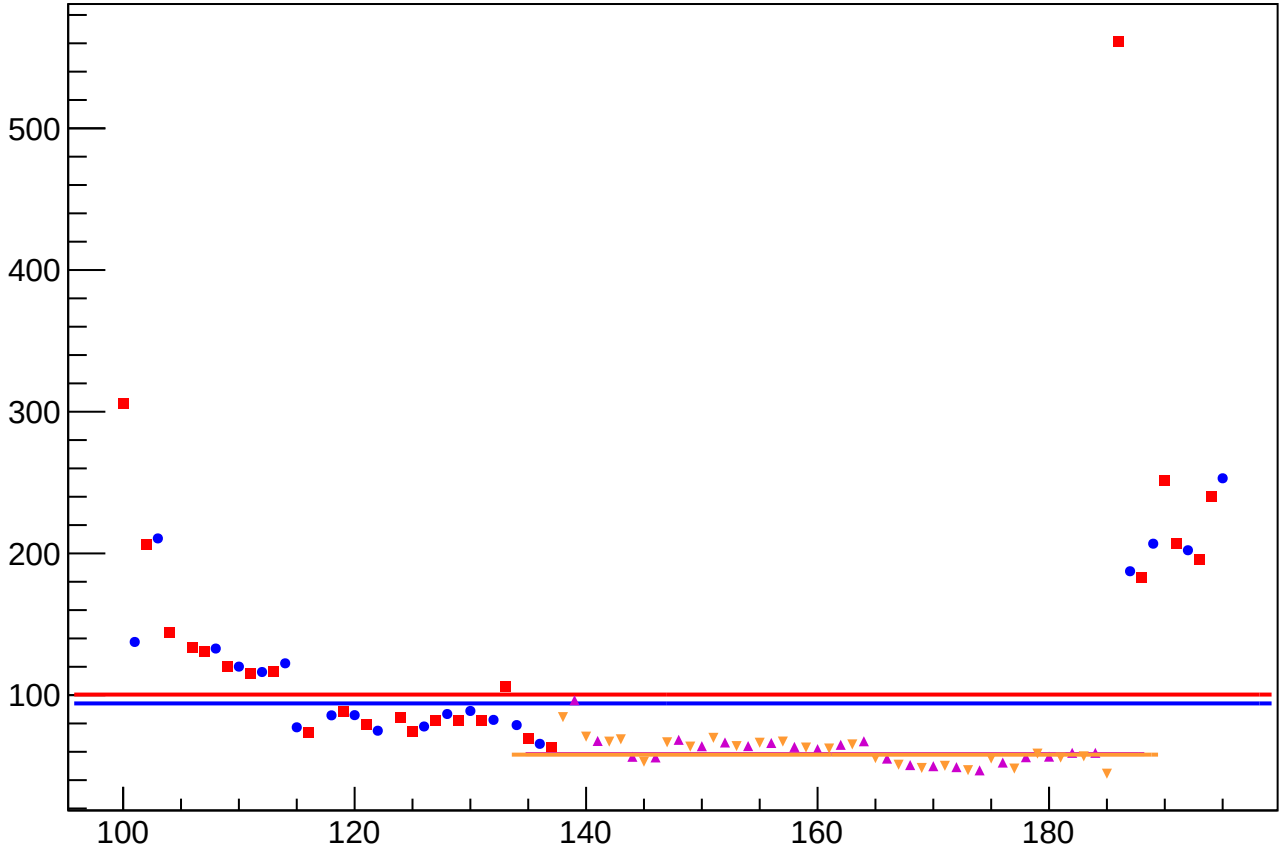
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.103+/-12.410 χ^2/NDF: 73.7/44

All: -11.264+/-8.911 χ^2/NDF: 161.7/92

- sign -64.872+/-12.803 χ^2/NDF: 54.0/47

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

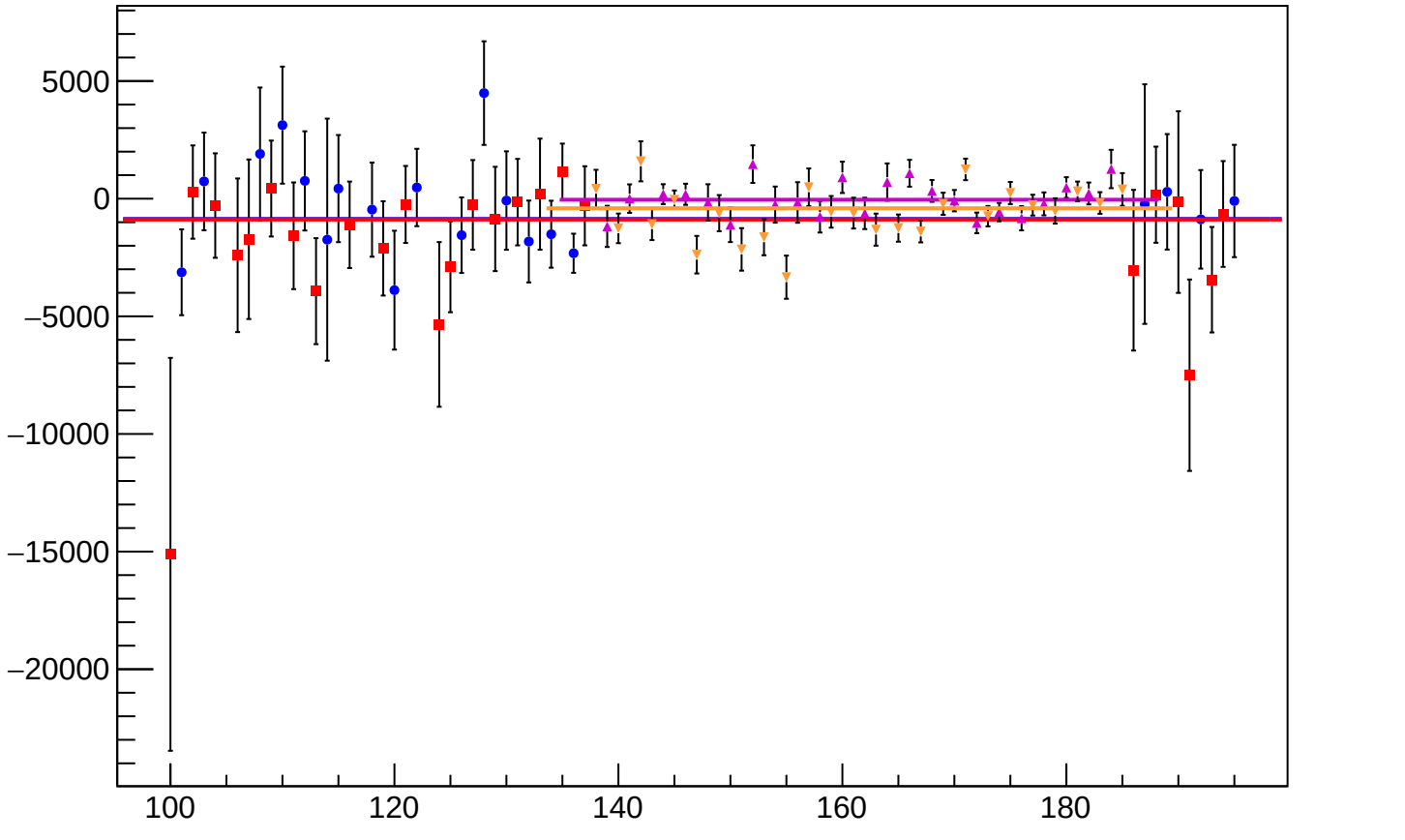
Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.147+/-0.009 χ^2/NDF: 5637770.1/44

All: 63.845+/-0.006 χ^2/NDF: 12698163.5/92

- sign 64.588+/-0.009 χ^2/NDF: 7047331.2/47



Right In: -862.433+/-416.937 χ^2/NDF: 18.9/19

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

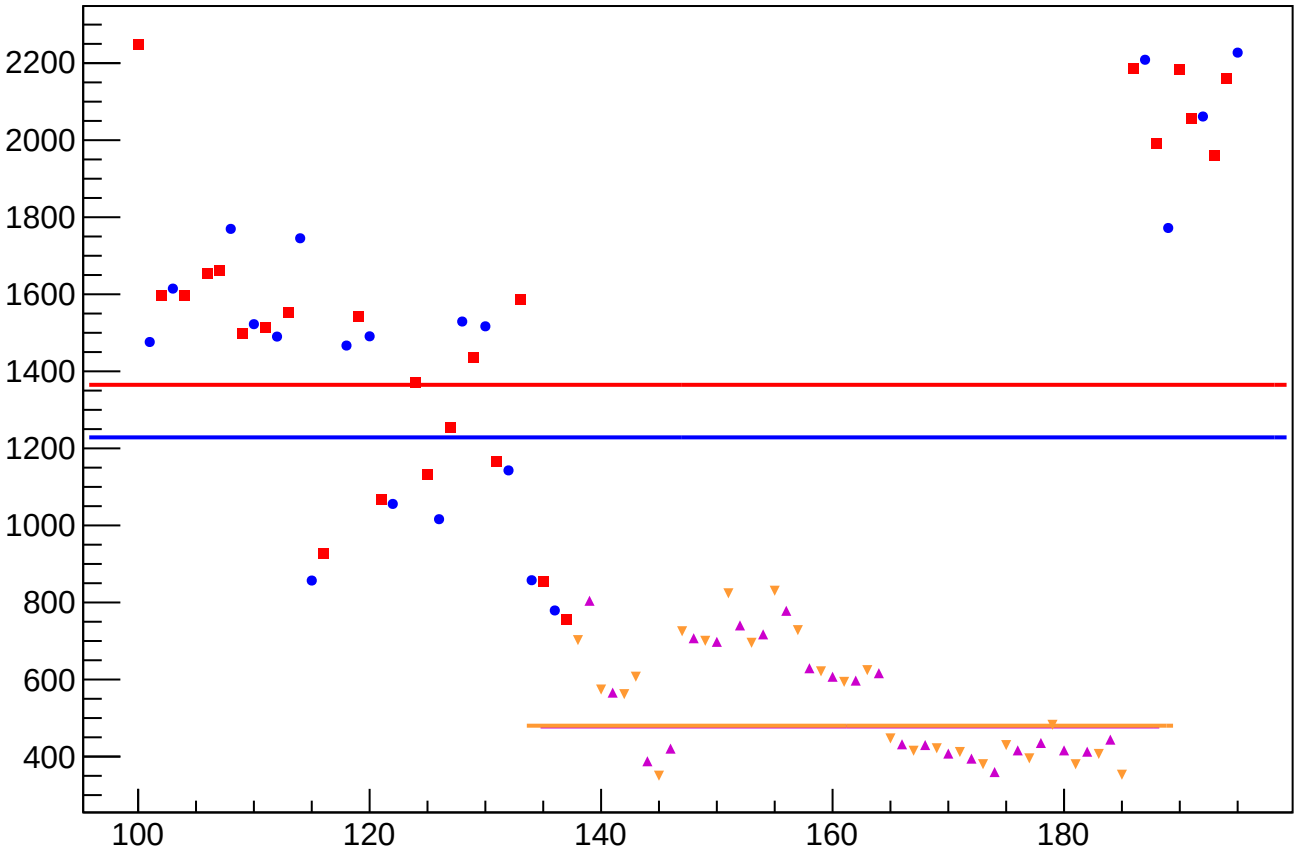
Right Out: -884.292+/-430.141 χ^2/NDF: 17.3/24

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.772+/-109.486 χ^2/NDF: 83.2/44

All: -273.147+/-78.219 χ^2/NDF: 139.7/92

- sign -101.528+/-111.787 χ^2/NDF: 51.9/47



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: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

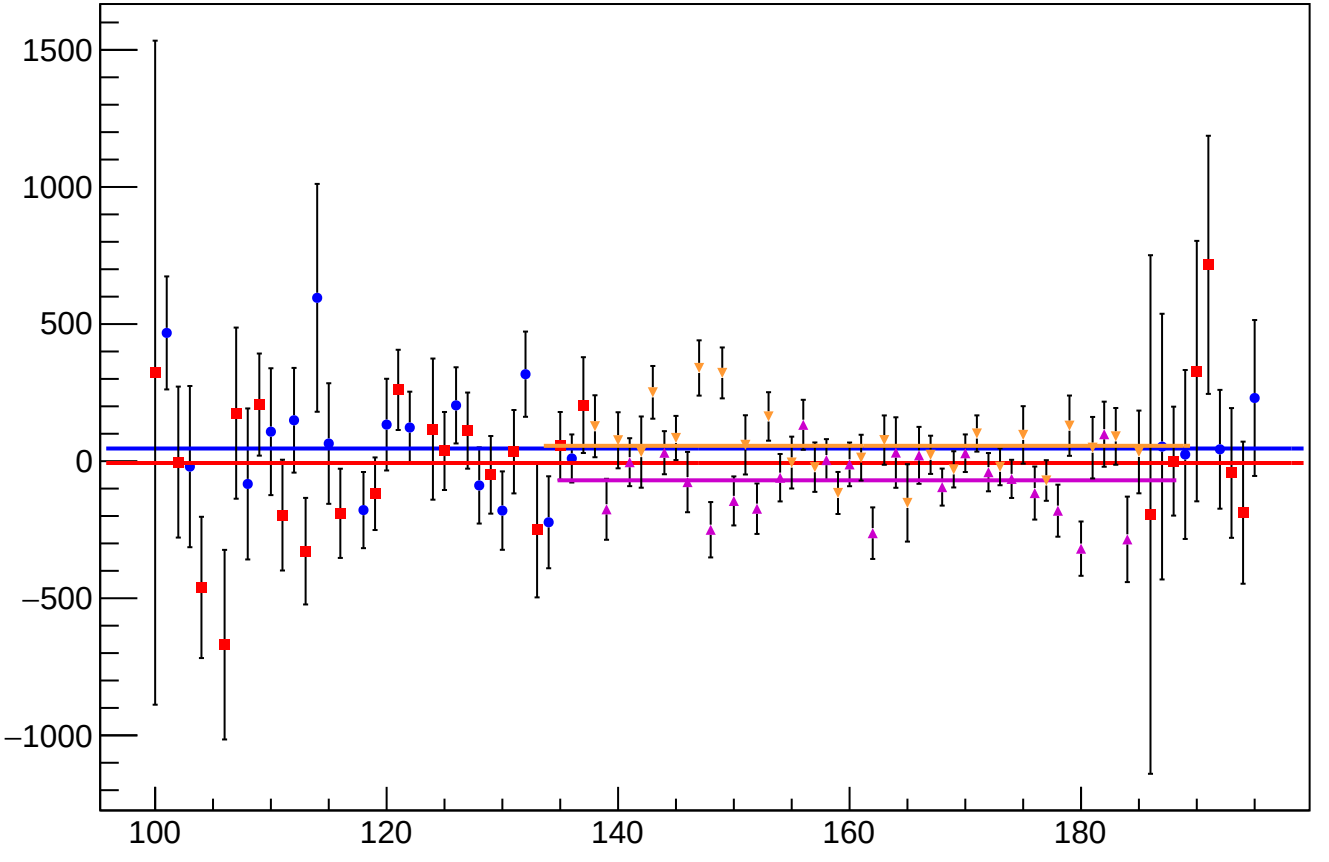
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 531.769+/-0.077 χ^2/NDF: 10639395.0/44

All: 534.812+/-0.055 χ^2/NDF: 22660811.2/92

- sign 537.984+/-0.079 χ^2/NDF: 12018260.8/47

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: -6.695+/-38.886 χ^2/NDF: 24.8/24

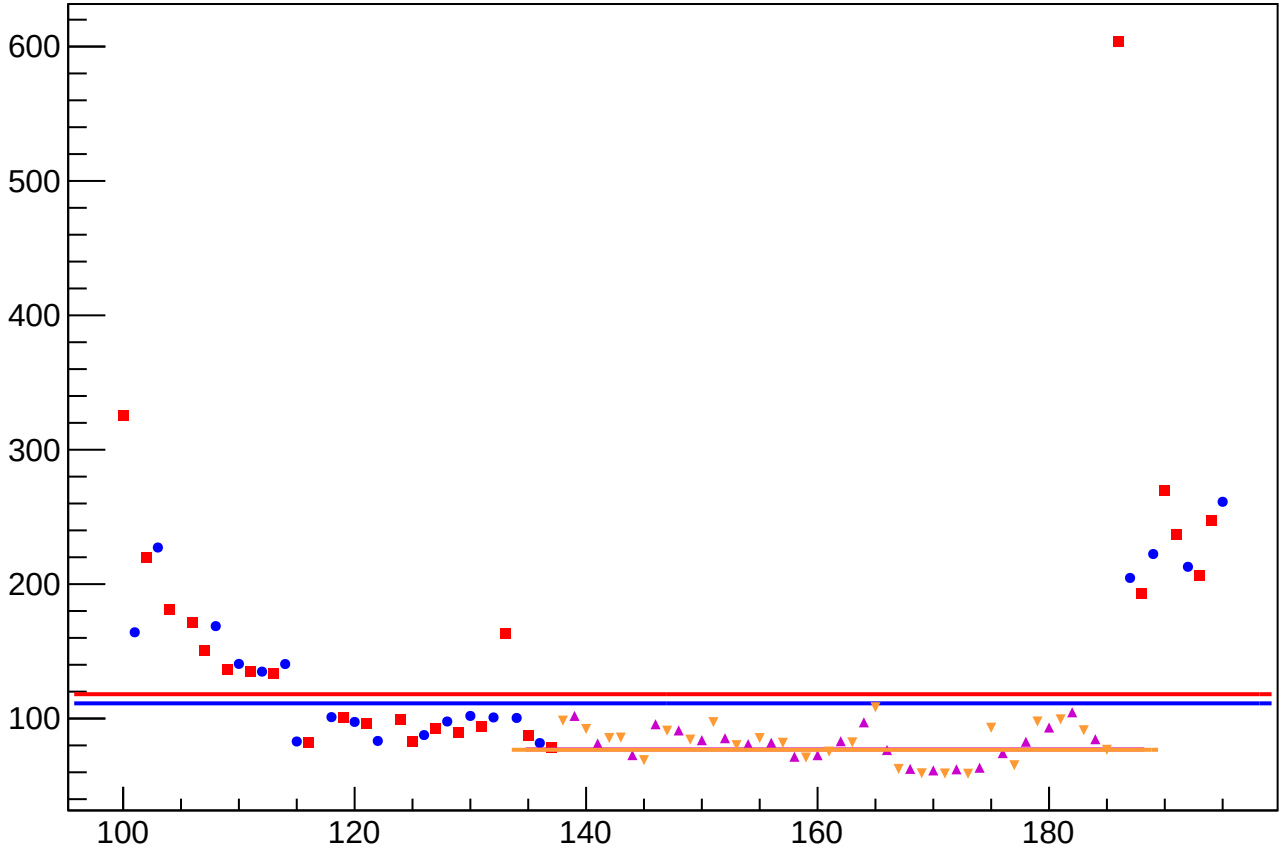
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 54.195+/-16.267 χ^2/NDF: 59.1/44

All: -0.512+/-11.654 χ^2/NDF: 143.8/92

- sign -58.192+/-16.703 χ^2/NDF: 61.4/47

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: 118.101+/-0.027 χ^2/NDF: 3285381.5/24

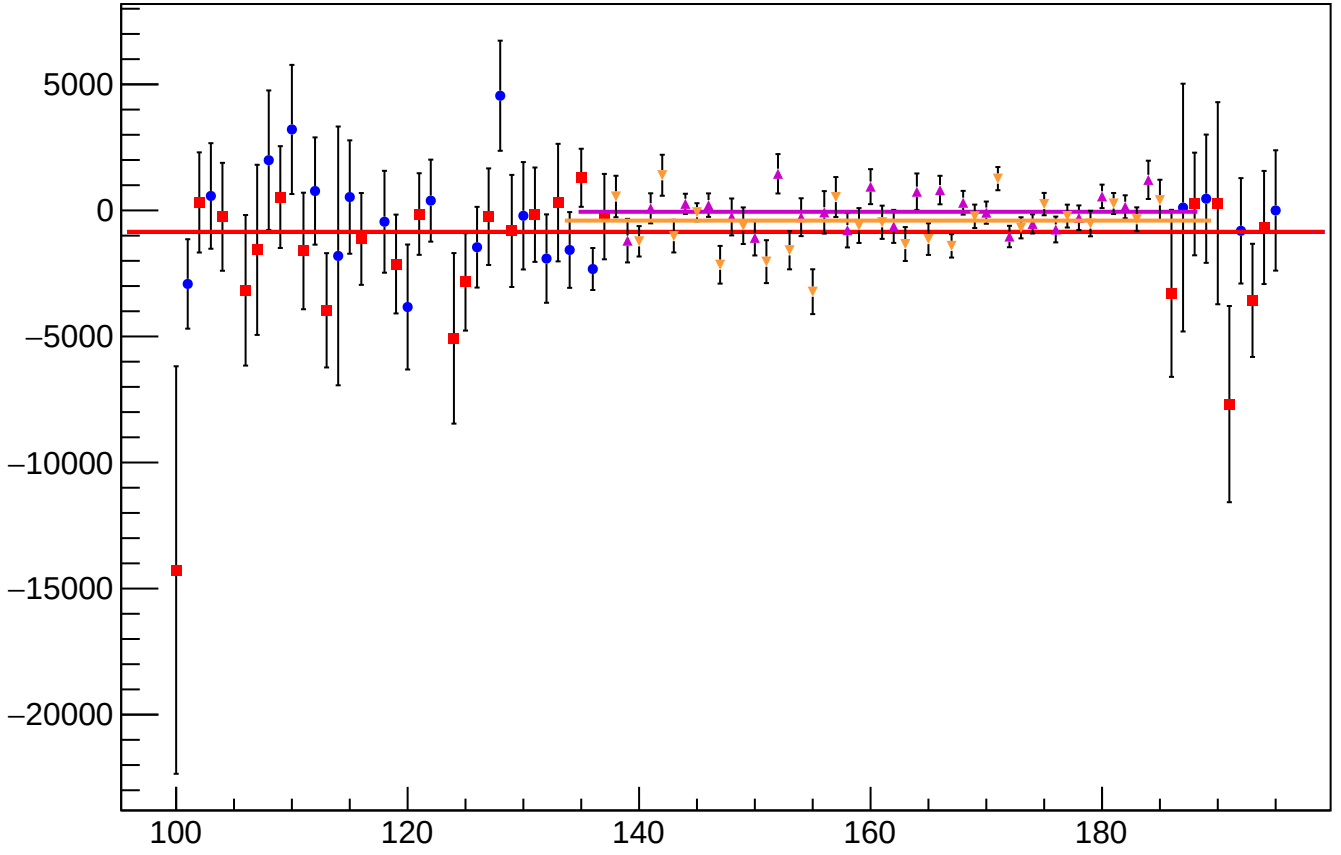
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 82.916+/-0.012 χ^2/NDF: 4970870.3/44

All: 83.735+/-0.008 χ^2/NDF: 10945977.9/92

- sign 84.598+/-0.012 χ^2/NDF: 5964698.6/47

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: -849.235+/-425.687 χ^2/NDF: 19.1/24

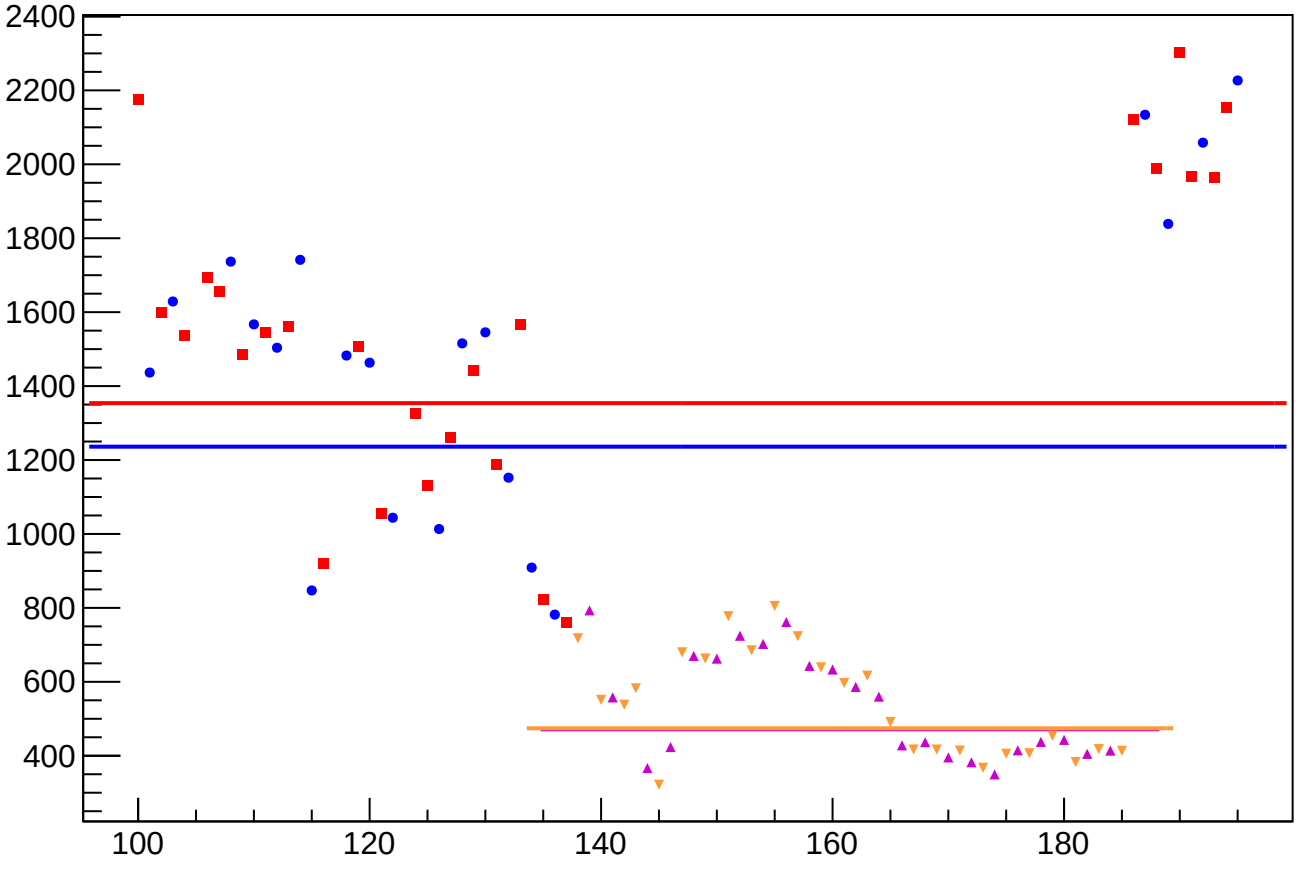
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.297+/-107.993 χ^2/NDF: 80.8/44

All: -273.916+/-77.172 χ^2/NDF: 138.2/92

- sign -107.590+/-110.321 χ^2/NDF: 53.0/47

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1236.151+/-0.296 χ^2/NDF: 2021295.8/19

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1353.941+/-0.301 χ^2/NDF: 1943676.5/24

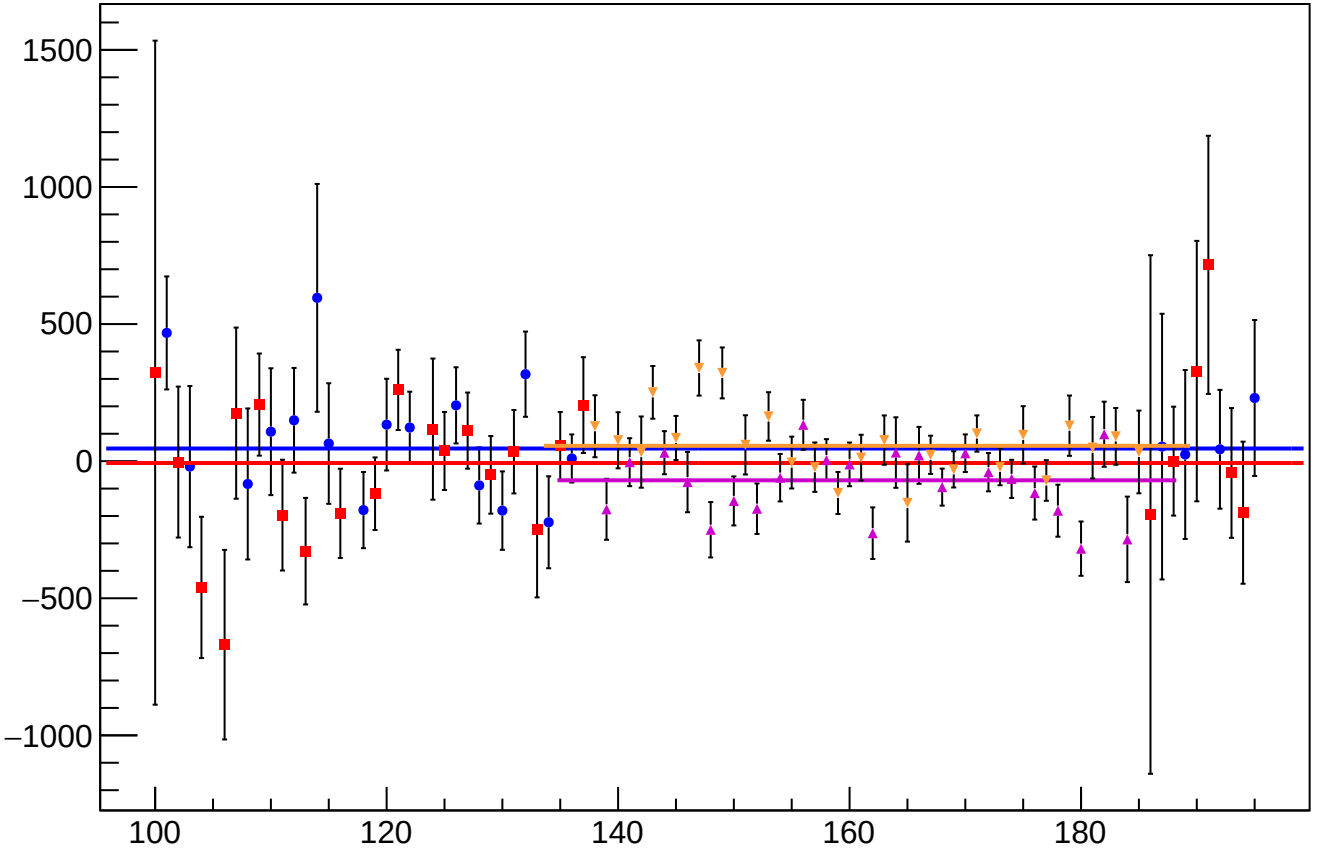
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 524.958+/-0.076 χ^2/NDF: 10739443.6/44

All: 527.781+/-0.055 χ^2/NDF: 22913326.8/92

- sign 530.727+/-0.078 χ^2/NDF: 12171090.6/47

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: -6.692+/-38.886 χ^2/NDF: 24.8/24

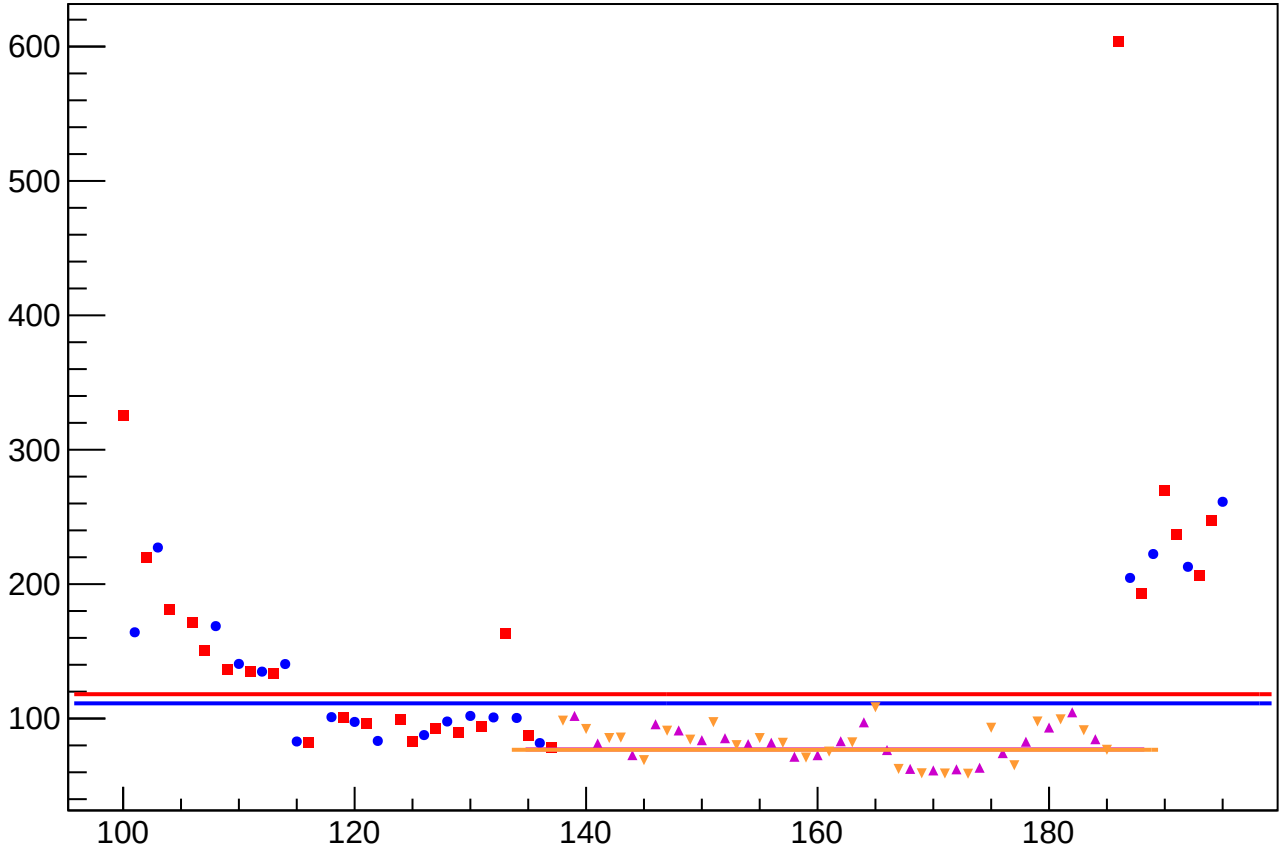
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 54.195+/-16.267 χ^2/NDF: 59.1/44

All: -0.512+/-11.654 χ^2/NDF: 143.8/92

- sign -58.191+/-16.703 χ^2/NDF: 61.4/47

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

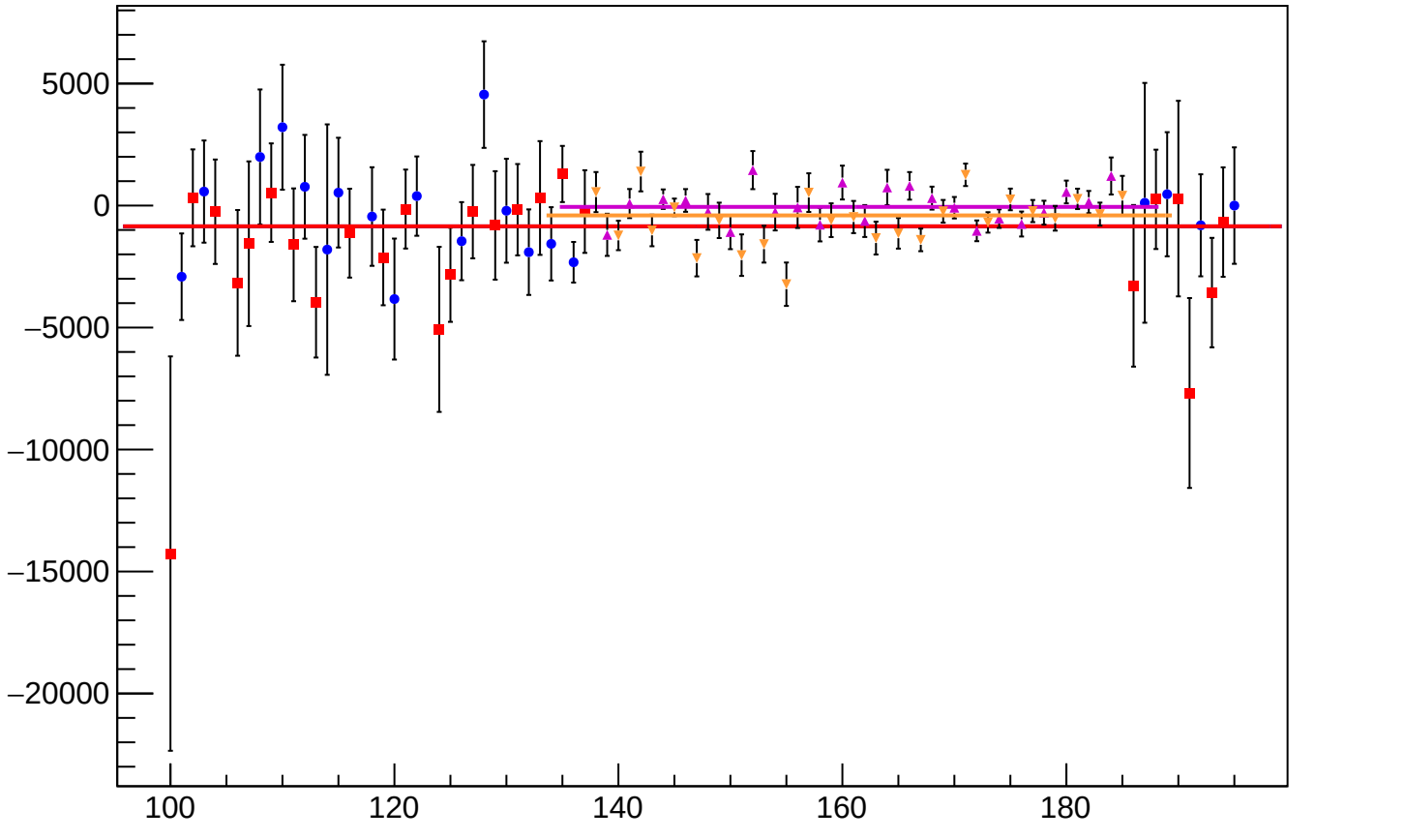
Right Out: 118.101+/-0.027 χ^2/NDF: 3285387.6/24

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 82.916+/-0.012 χ^2/NDF: 4970834.7/44

All: 83.735+/-0.008 χ^2/NDF: 10945906.1/92

- sign 84.598+/-0.012 χ^2/NDF: 5964661.9/47



Right In: -853.315+/-418.775 χ^2/NDF: 18.9/19

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

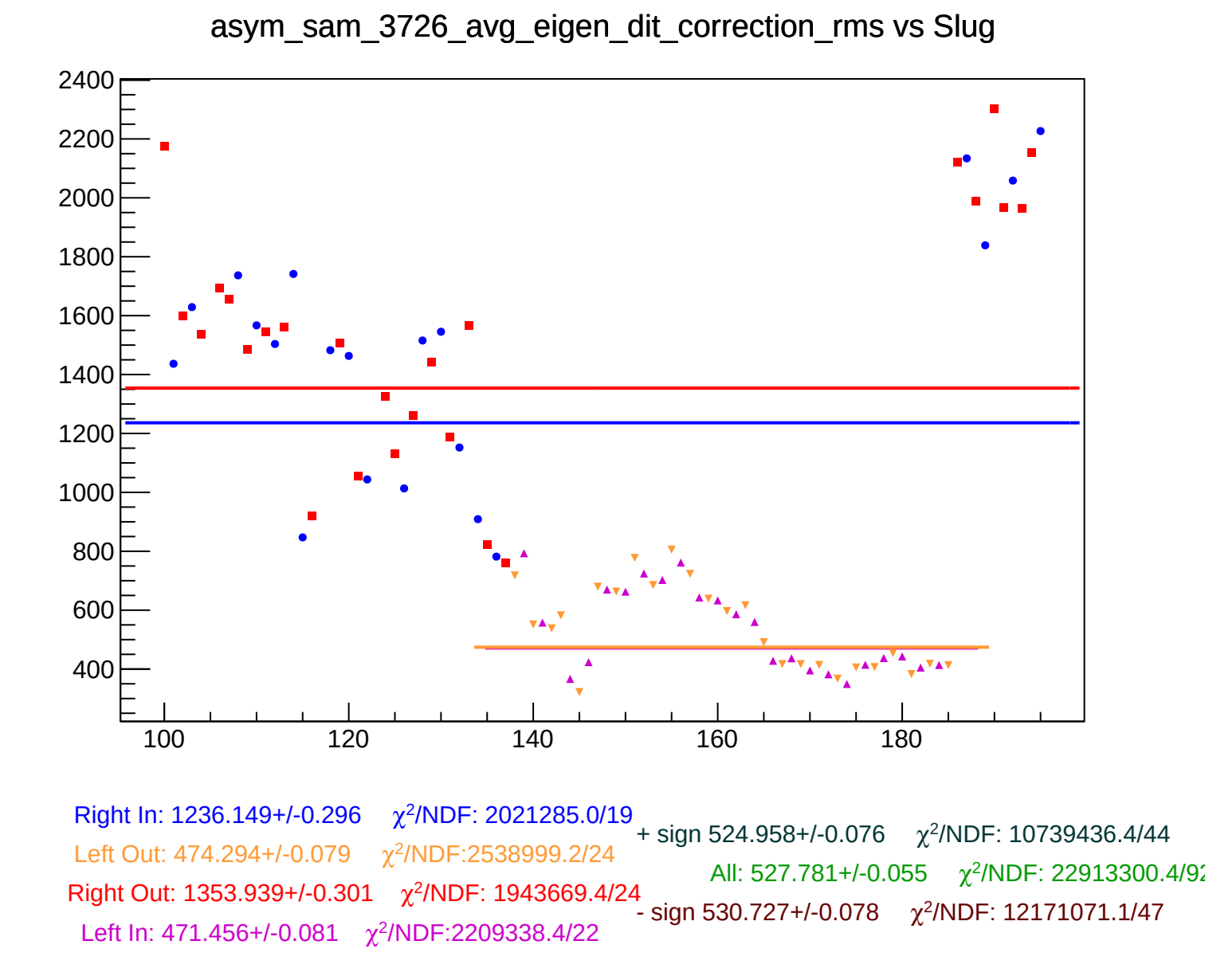
Right Out: -849.235+/-425.686 χ^2/NDF: 19.1/24

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

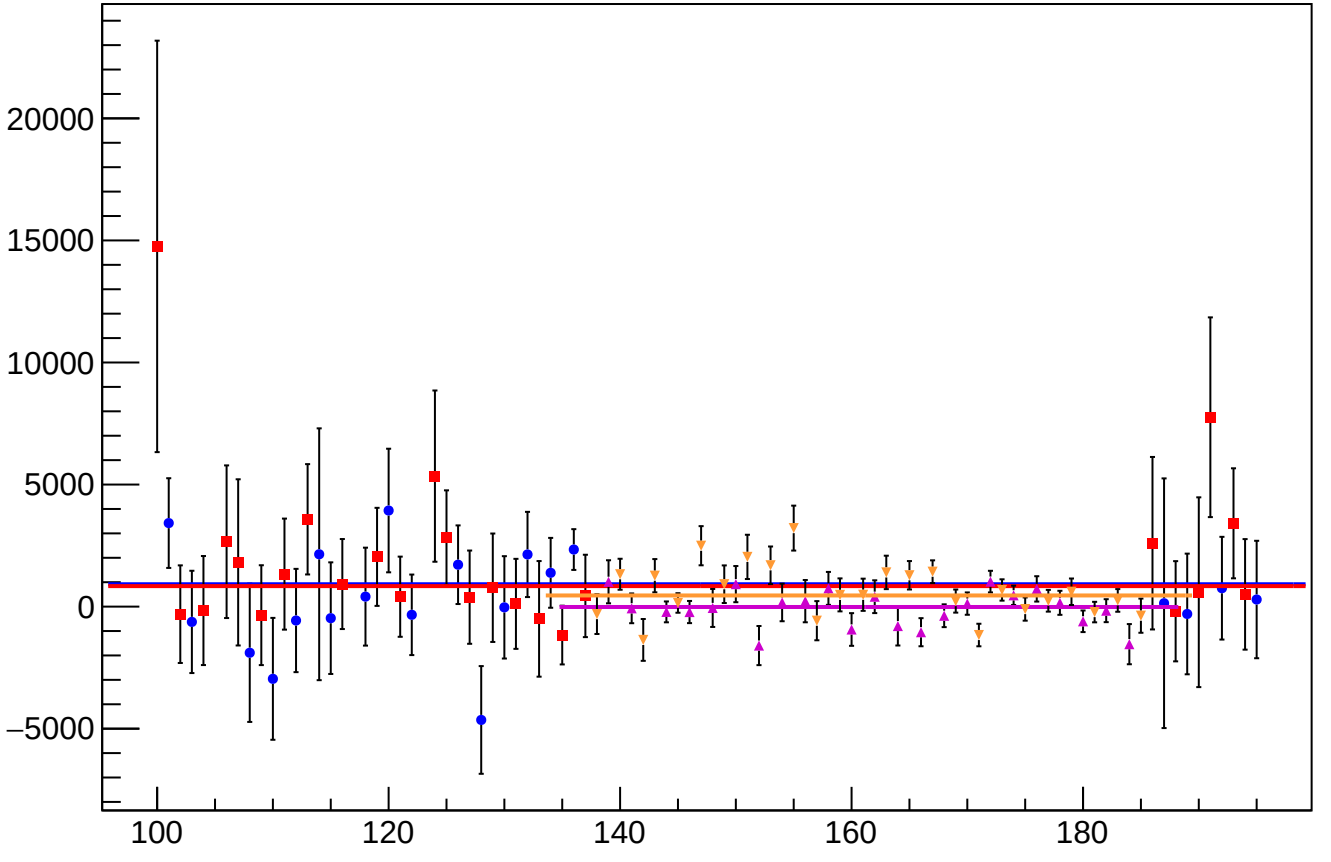
+ sign -433.296+/-107.993 χ^2/NDF: 80.8/44

All: -273.916+/-77.172 χ^2/NDF: 138.2/92

- sign -107.590+/-110.321 χ^2/NDF: 53.0/47


asym_sam_3726_avg_eigen_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
Right In: 1236.149+/-0.296 χ²/NDF: 2021285.0/19
Left Out: 474.294+/-0.079 χ²/NDF:2538999.2/24
Right Out: 1353.939+/-0.301 χ²/NDF: 1943669.4/24
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
+ sign 524.958+/-0.076 χ²/NDF: 10739436.4/44
All: 527.781+/-0.055 χ²/NDF: 22913300.4/92
- sign 530.727+/-0.078 χ²/NDF: 12171071.1/47

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: 839.571+/-431.567 χ^2/NDF: 16.7/24

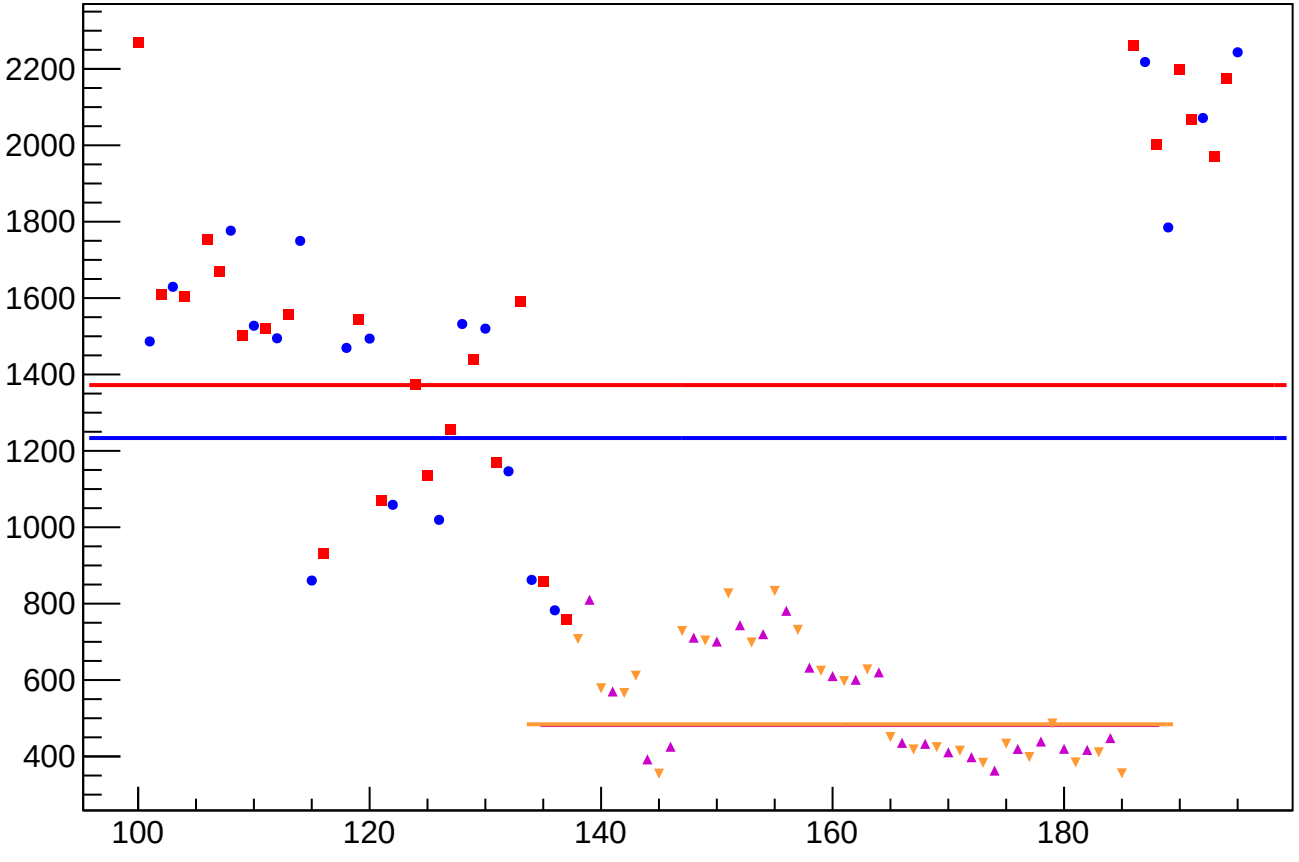
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.139+/-110.311 χ^2/NDF: 79.9/44

All: 270.830+/-78.817 χ^2/NDF: 138.6/92

- sign 43.147+/-112.655 χ^2/NDF: 50.6/47

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

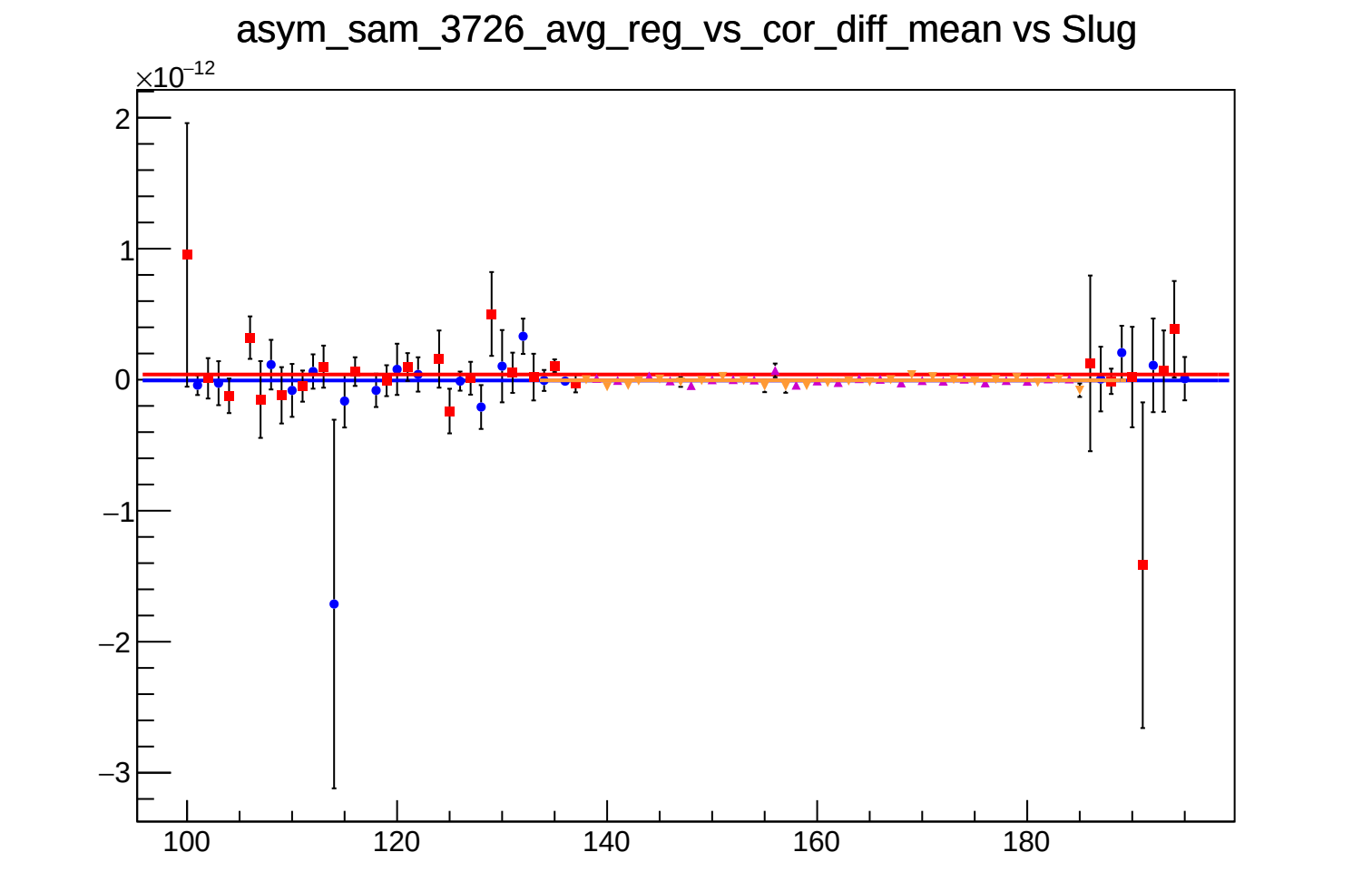
Right Out: 1372.227+/-0.305 χ^2/NDF: 1910255.9/24

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 536.153+/-0.078 χ^2/NDF: 10573844.4/44

All: 539.411+/-0.056 χ^2/NDF: 22601735.4/92

- sign 542.809+/-0.080 χ^2/NDF: 12024326.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

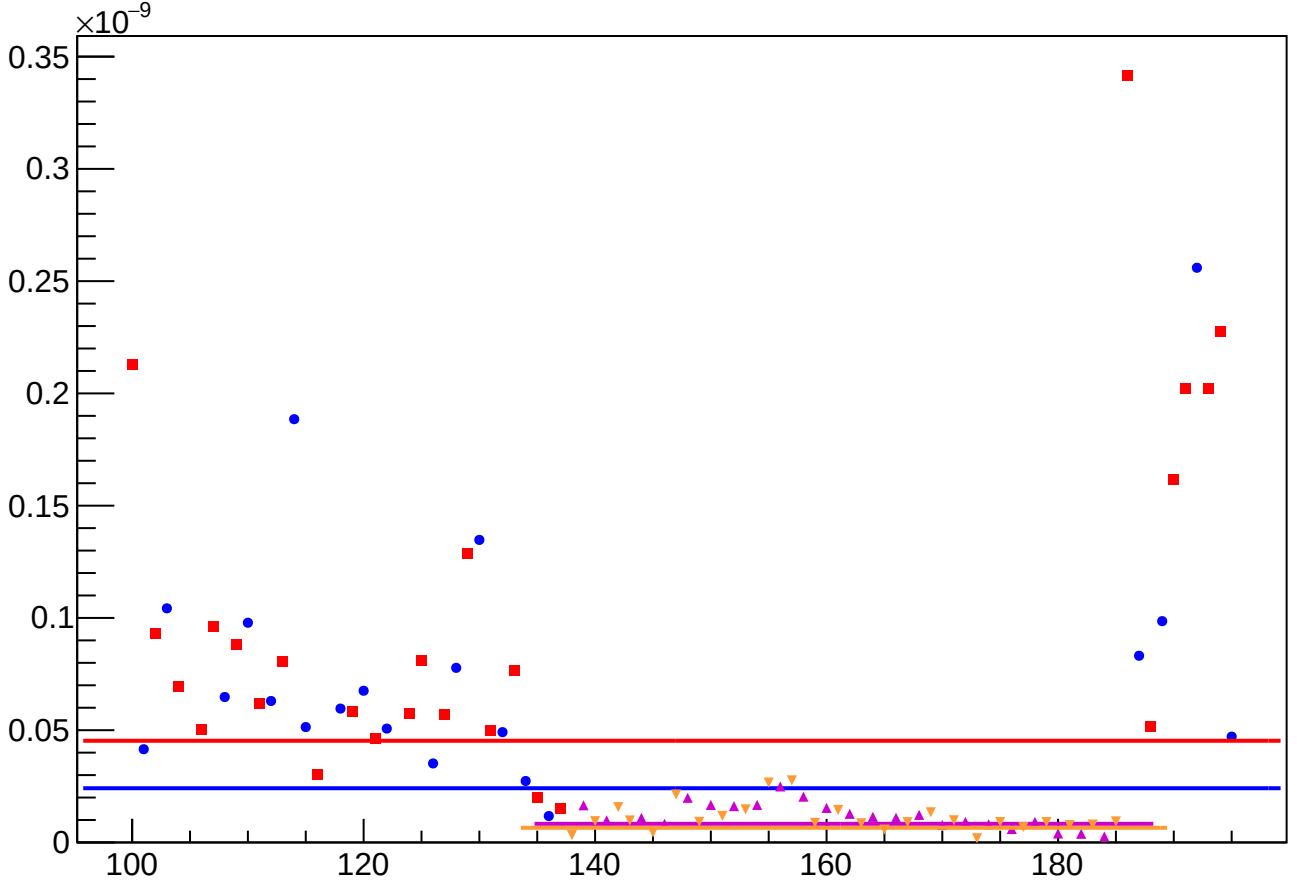
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/24

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: 80.0/92

- sign -0.000+/-0.000 χ^2/NDF: 36.0/47



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: 3506137.5/24

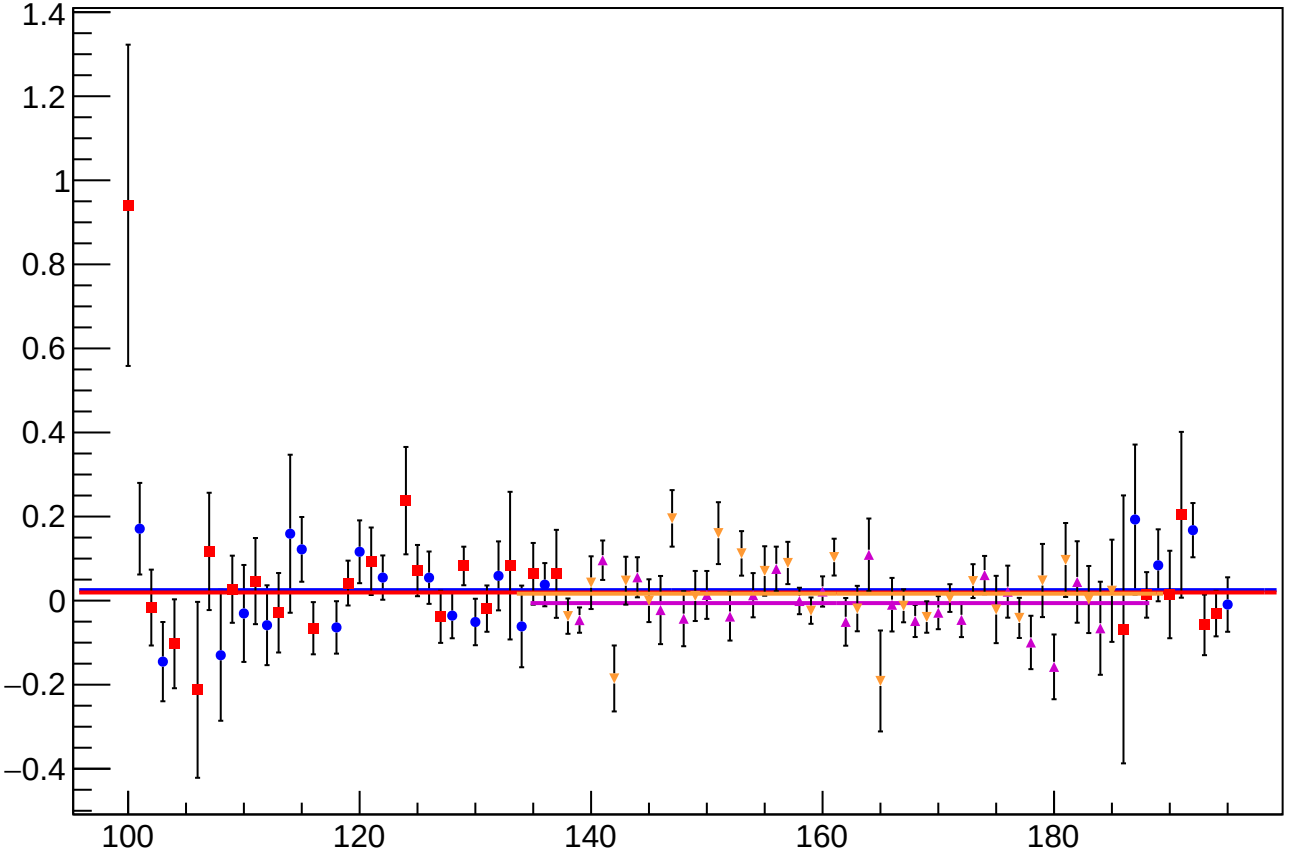
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9909517.9/44

All: 0.000+/-0.000 χ^2/NDF: 20559556.7/92

- sign 0.000+/-0.000 χ^2/NDF: 10323289.5/47

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: 0.019+/-0.016 χ^2/NDF: 22.8/24

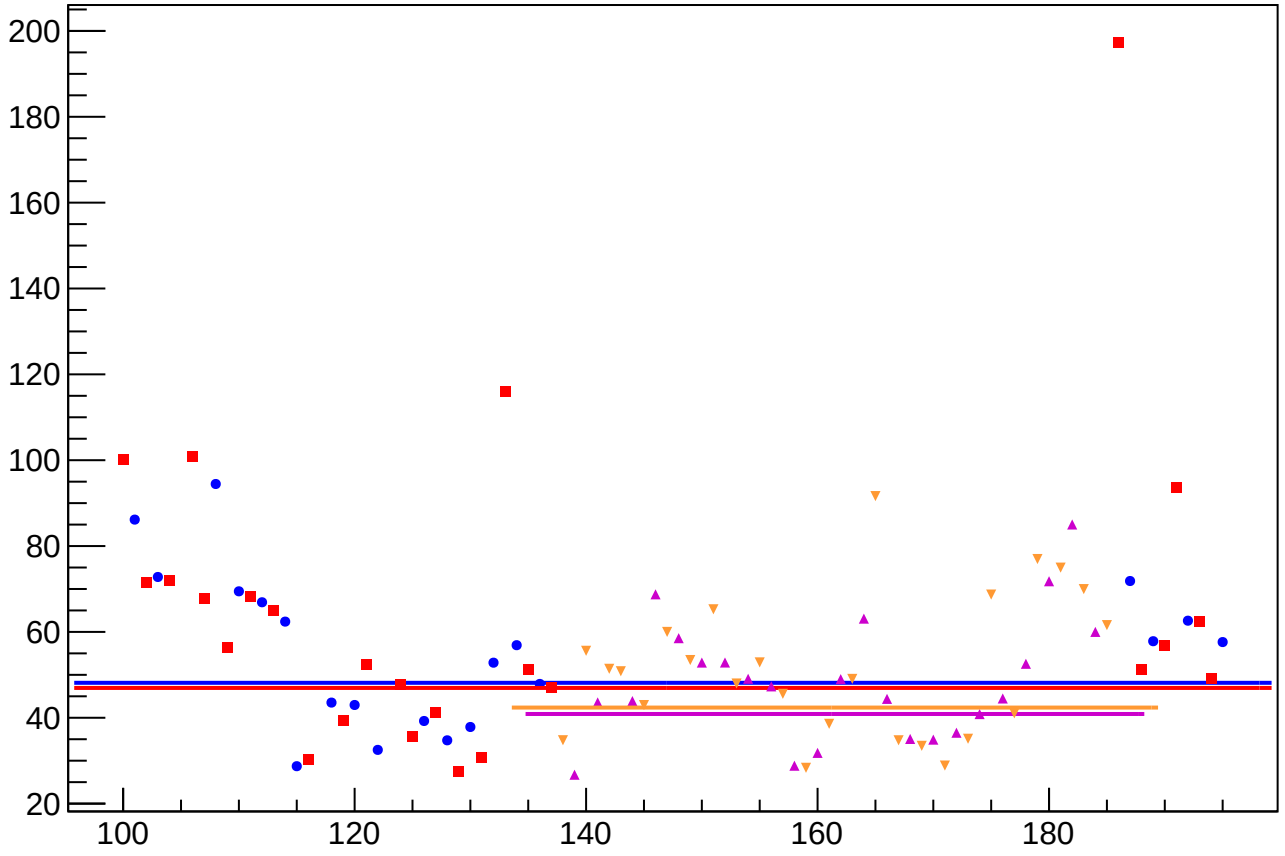
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/92

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47

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

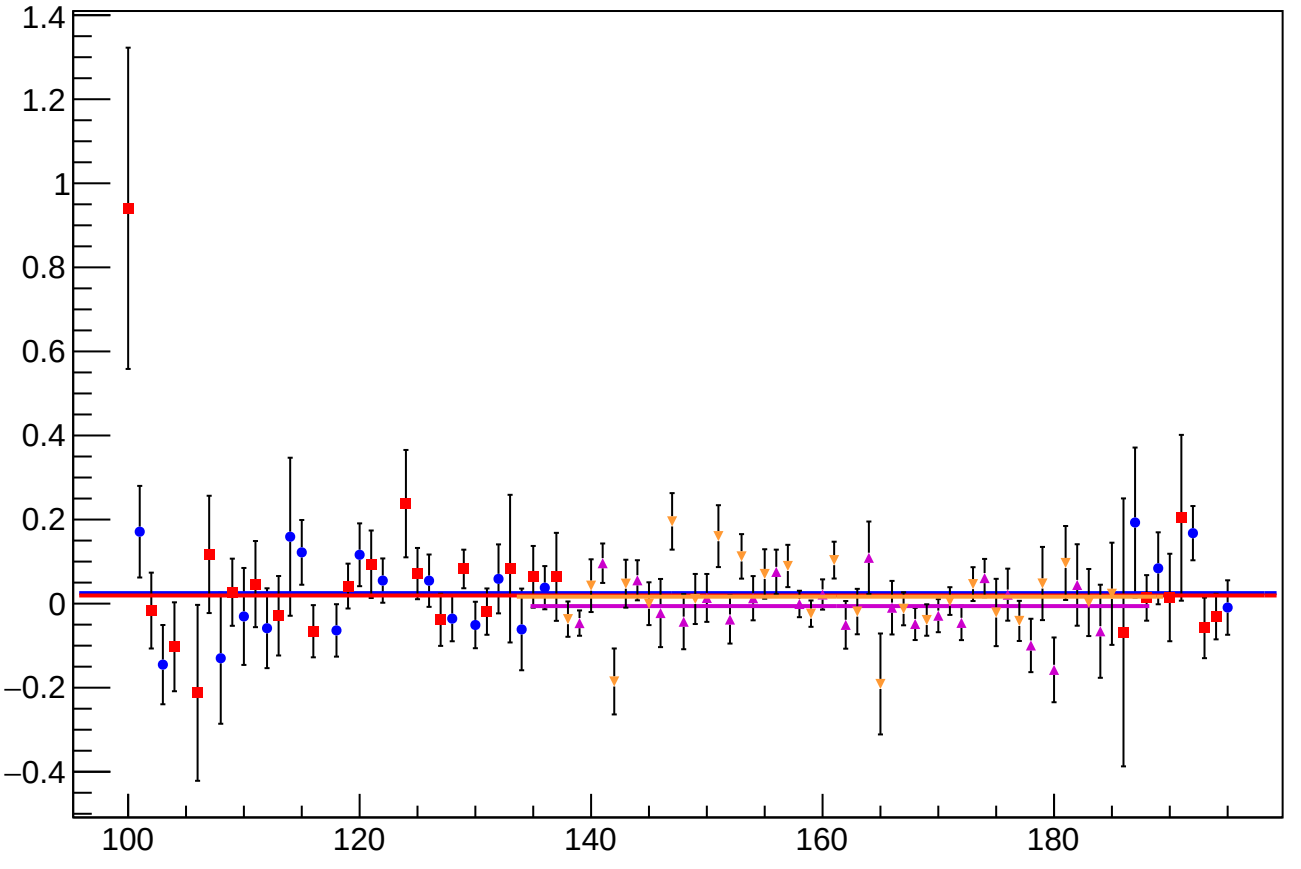
Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864123.1/44

All: 43.342+/-0.004 χ^2/NDF: 10251544.8/92

- sign 42.725+/-0.006 χ^2/NDF: 5366238.7/47



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: 0.019+/-0.016 χ^2/NDF: 22.8/24

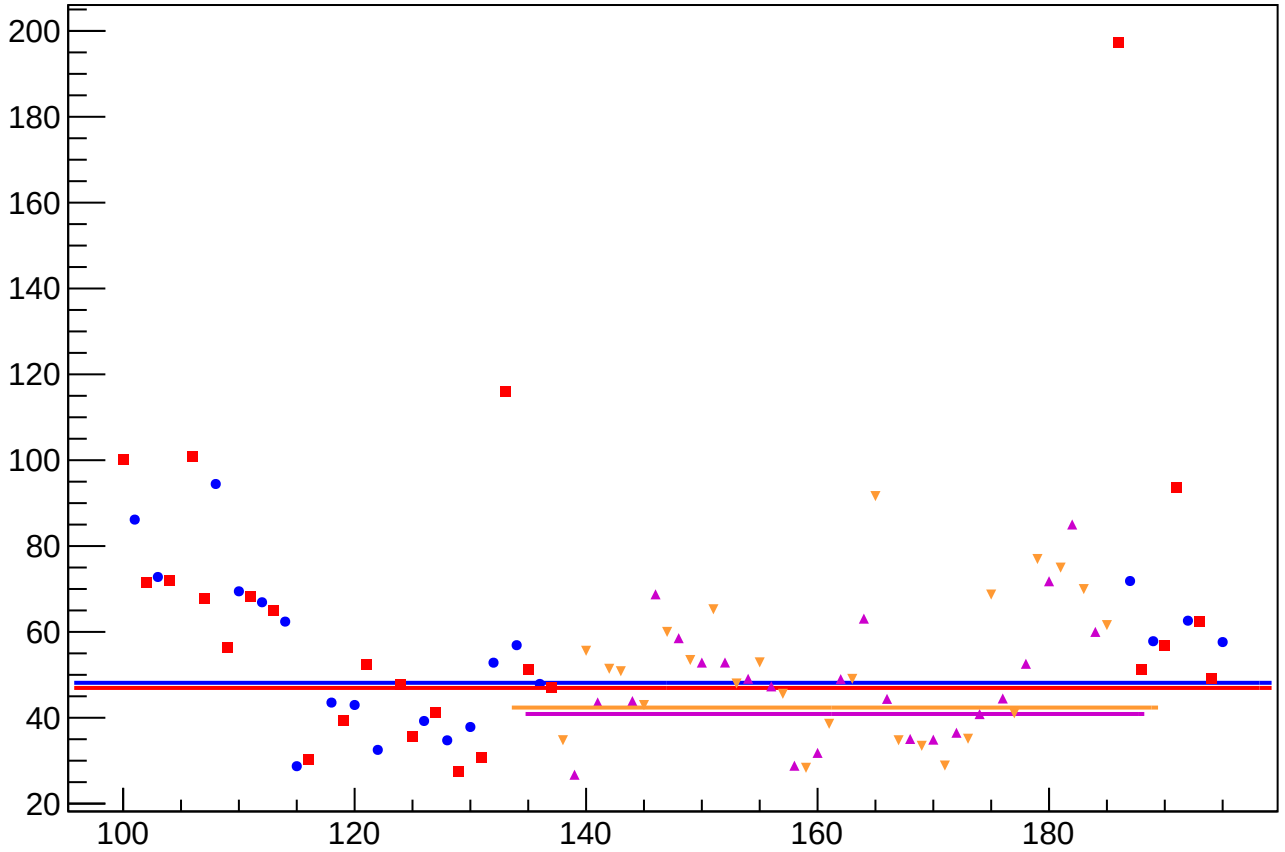
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/44

All: 0.010+/-0.006 χ^2/NDF: 117.7/92

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47

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

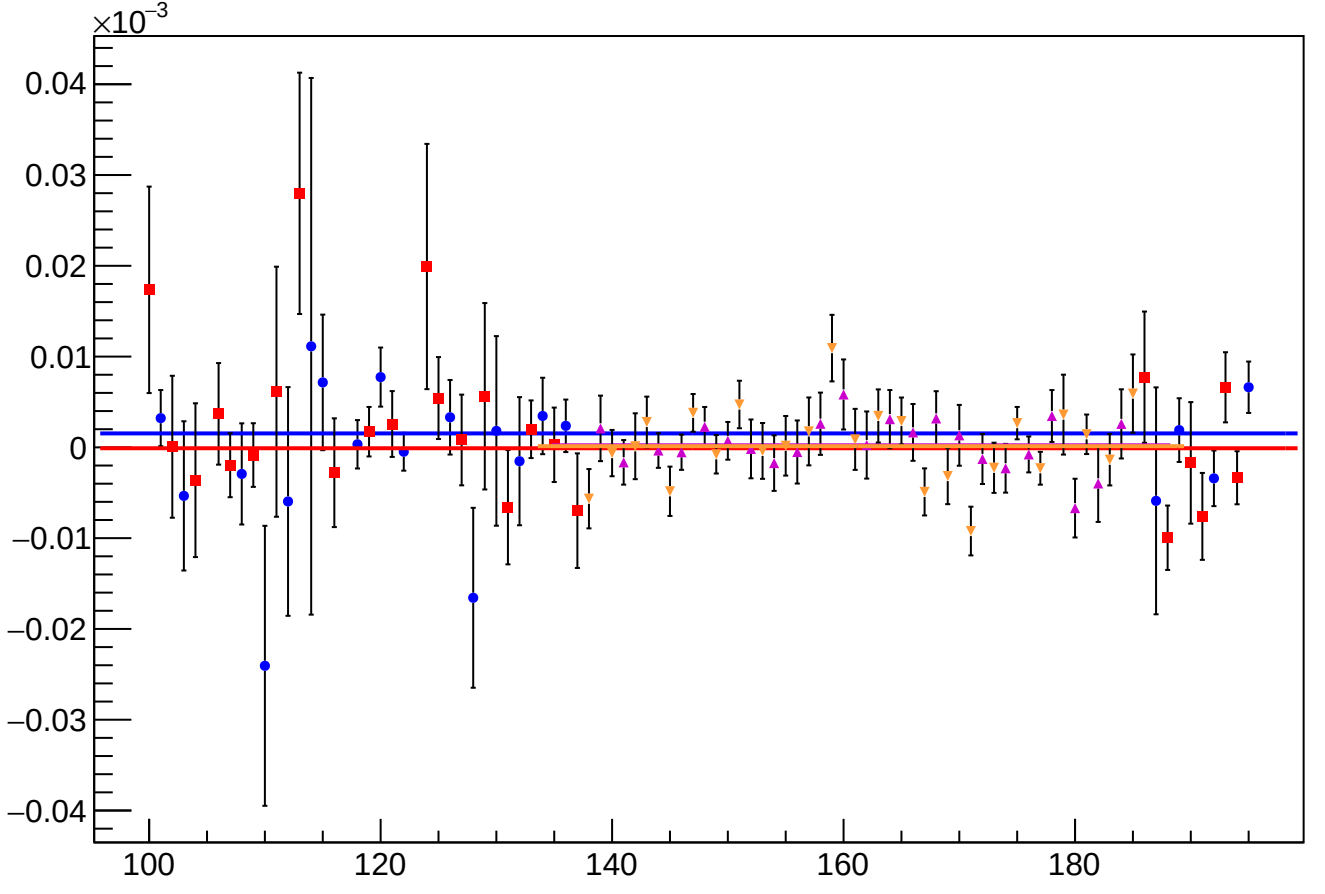
Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864123.1/44

All: 43.342+/-0.004 χ^2/NDF: 10251544.8/92

- sign 42.725+/-0.006 χ^2/NDF: 5366238.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

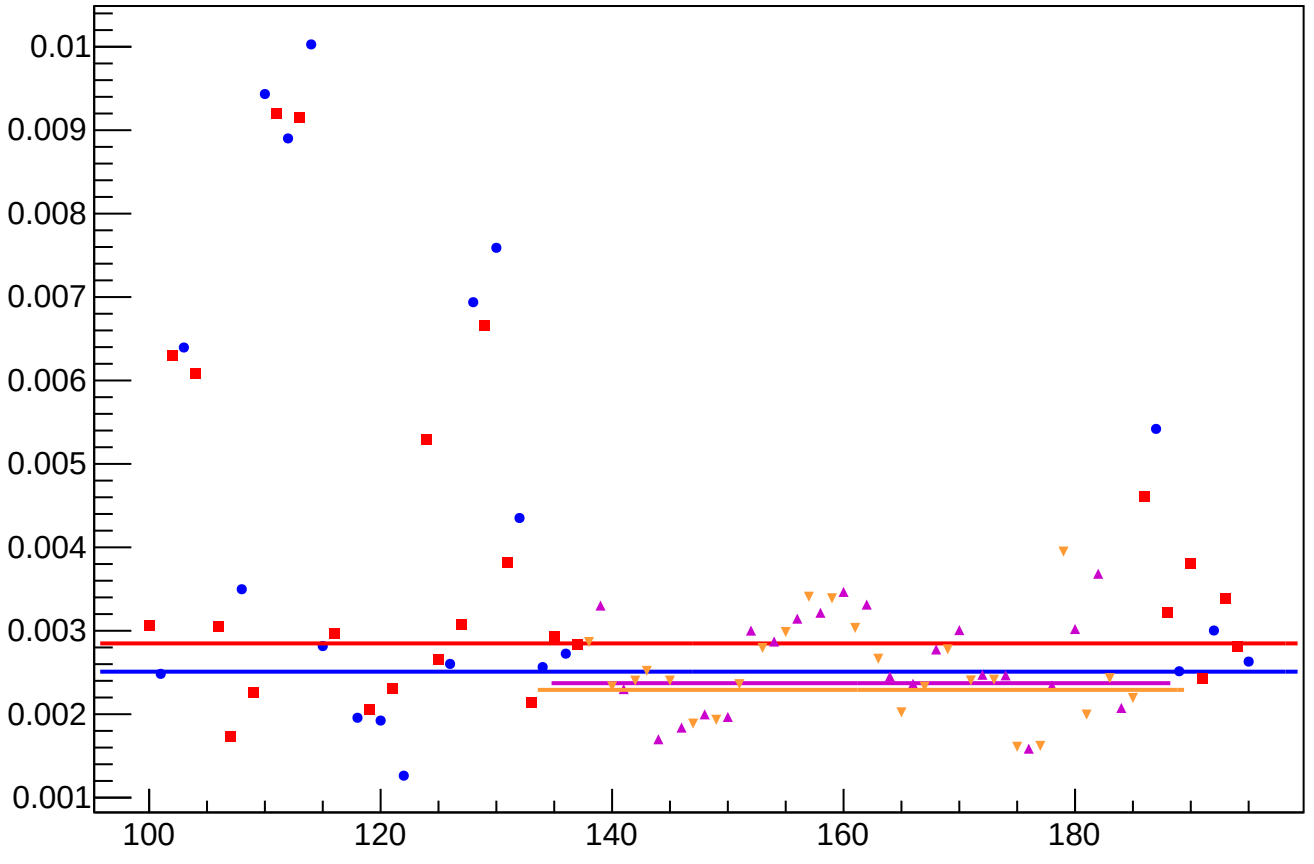
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/24

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: 119.9/92

- sign 0.000+/-0.000 χ^2/NDF: 47.5/47



Right In: 0.003+/-0.000 χ^2/NDF: 3612467.2/19

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

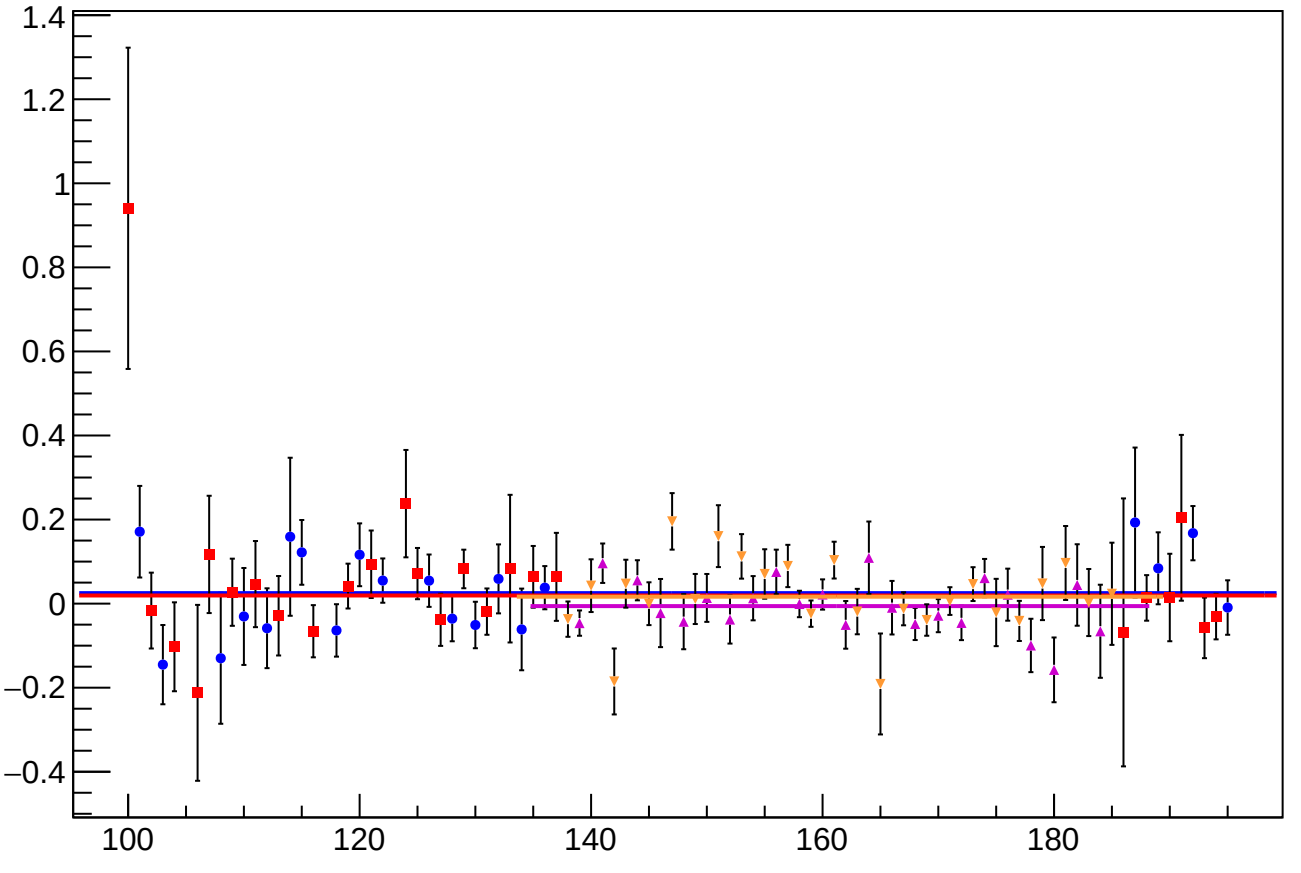
Right Out: 0.003+/-0.000 χ^2/NDF: 2764330.0/24

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: 10783543.5/92

- sign 0.003+/-0.000 χ^2/NDF: 5160410.2/47



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

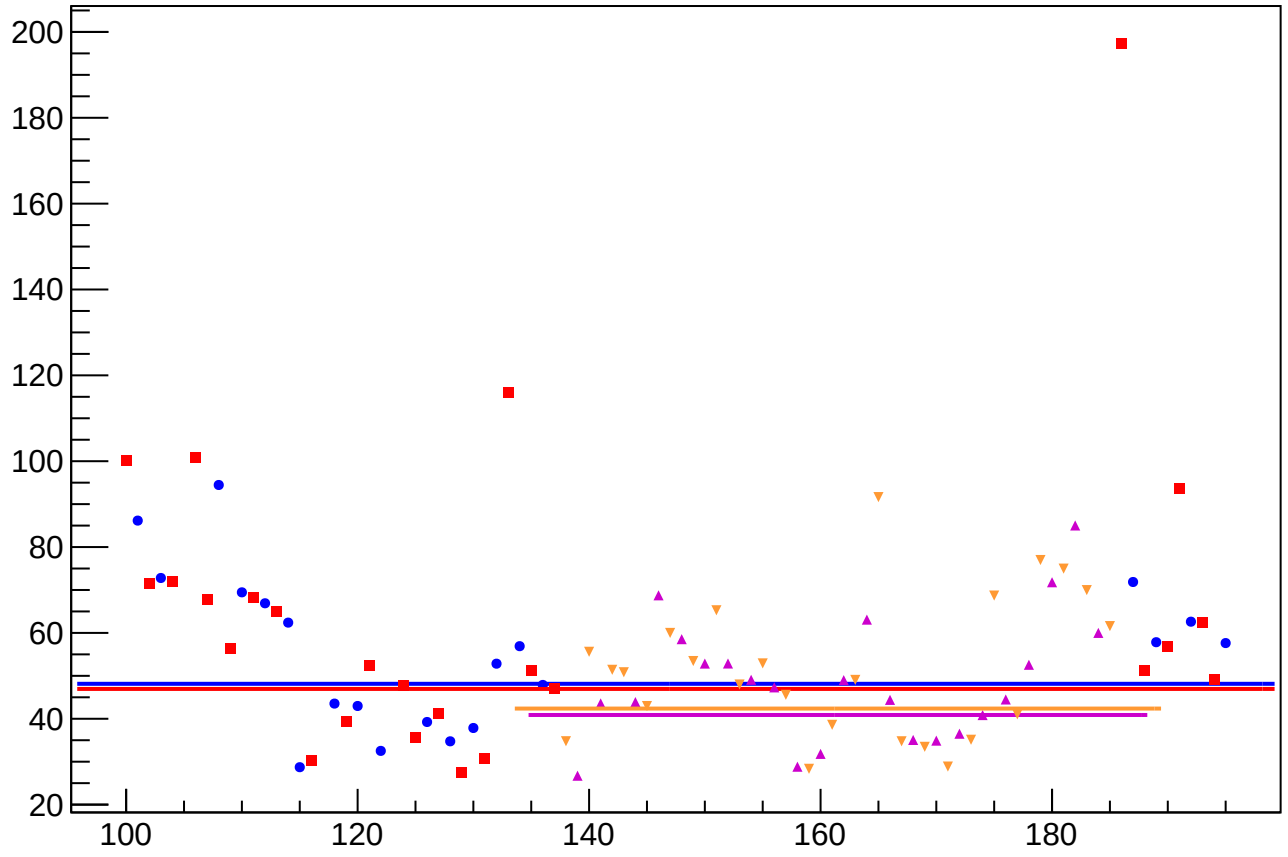
Right Out: 0.019+/-0.016 χ^2/NDF: 22.8/24

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: 117.7/92

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47



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: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

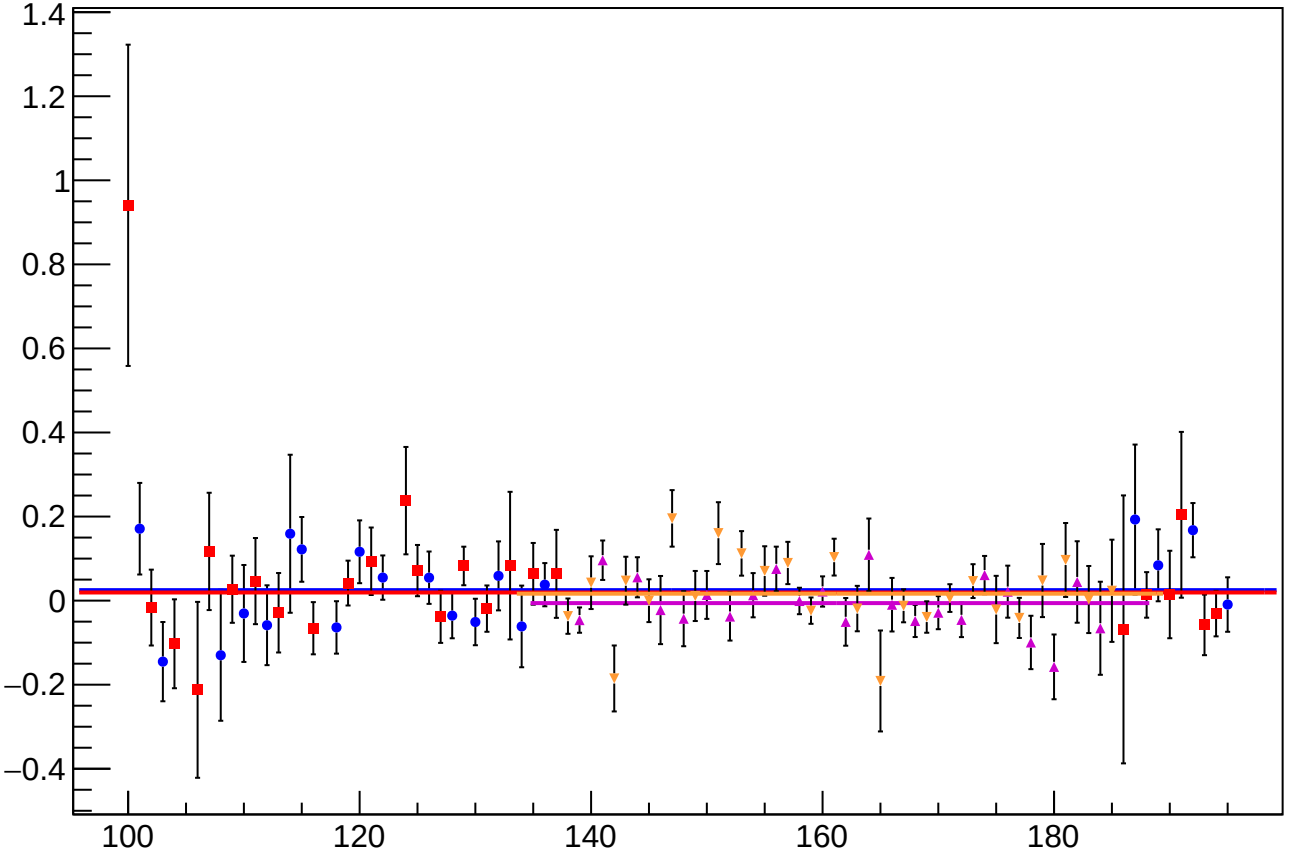
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864085.4/44

All: 43.342+/-0.004 χ^2/NDF: 10251414.1/92

- sign 42.725+/-0.006 χ^2/NDF: 5366149.7/47

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

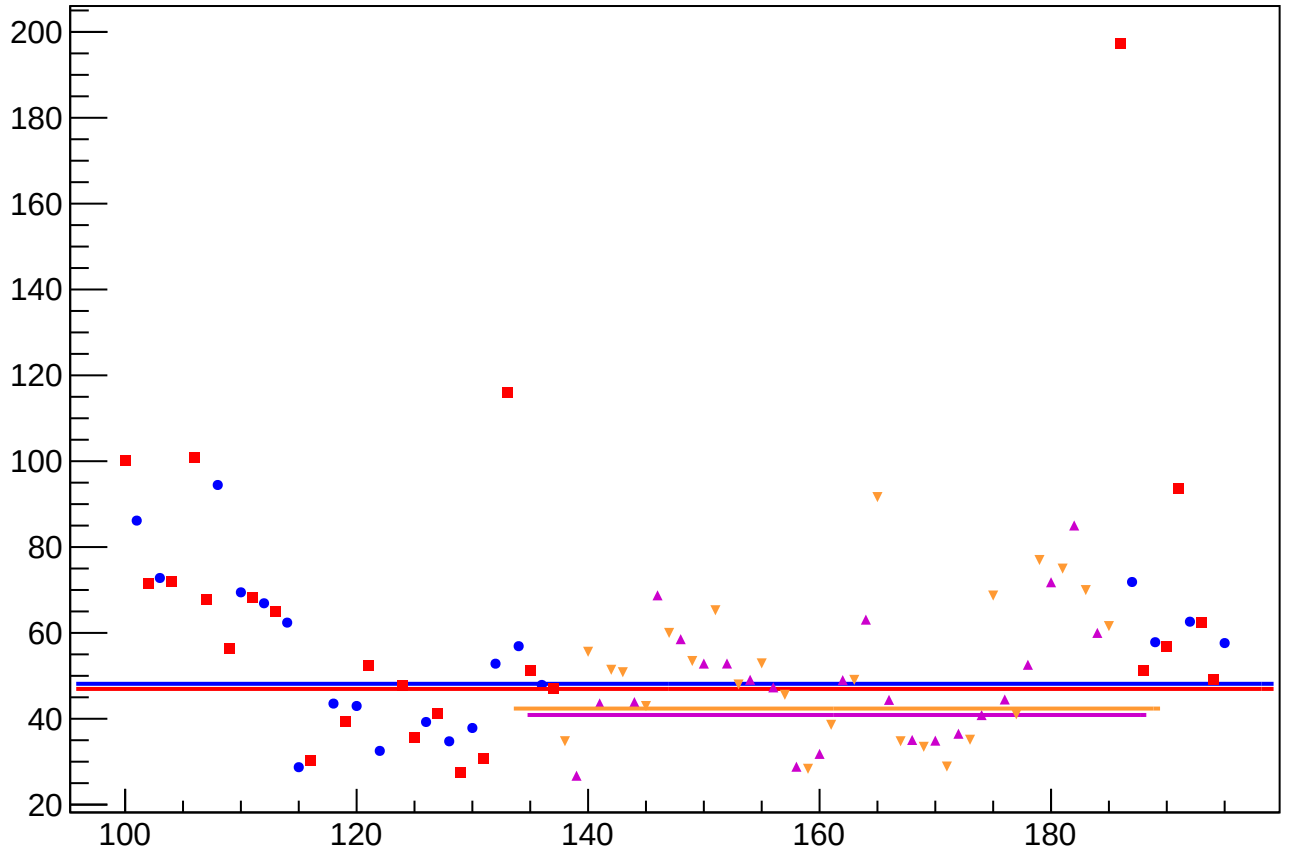
Right Out: 0.019+/-0.016 χ^2/NDF: 22.8/24

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: 117.7/92

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47



Right In: 48.143+/-0.012 χ^2/NDF: 1499278.4/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

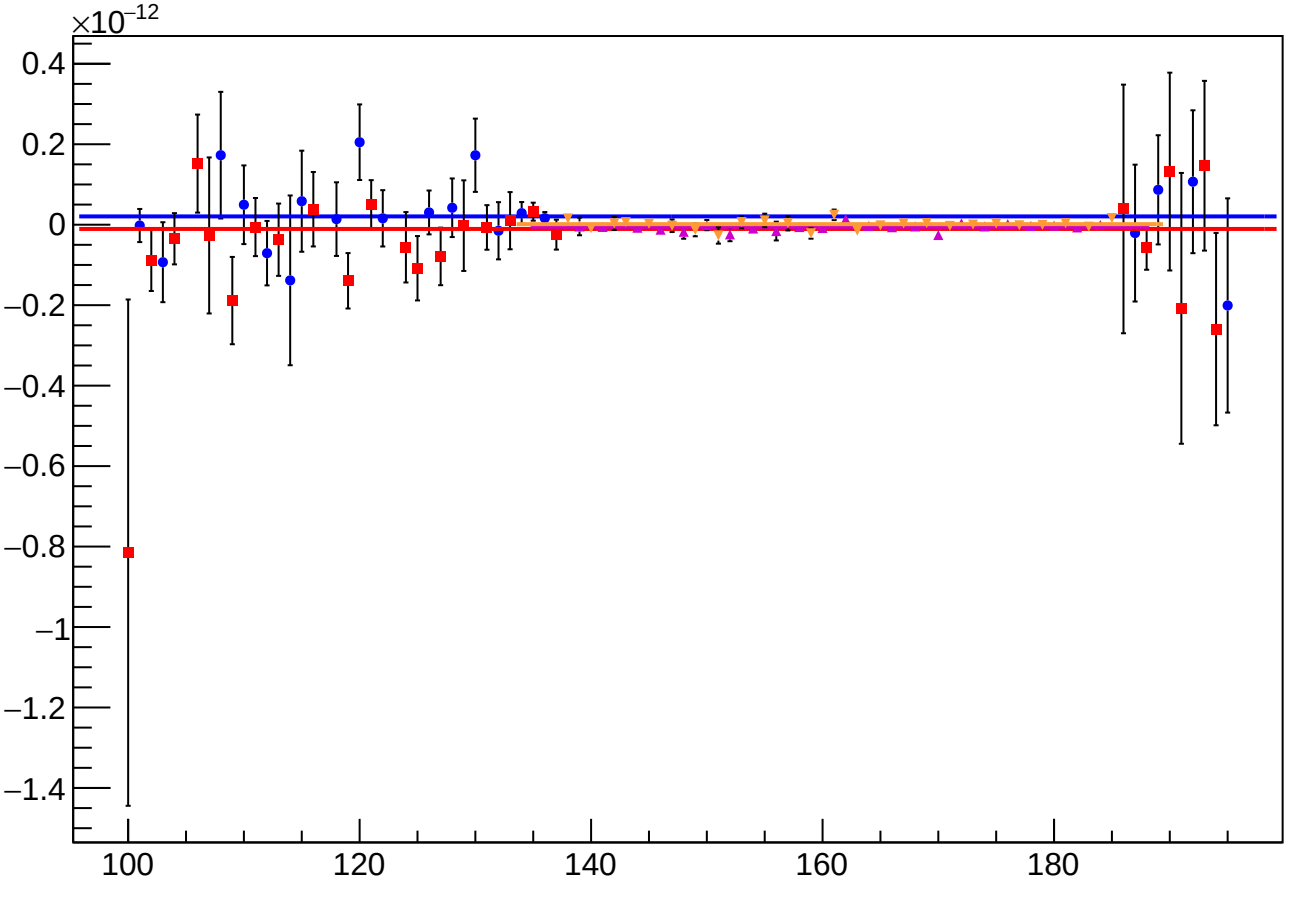
Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.988+/-0.006 χ^2/NDF: 4864085.4/44

All: 43.342+/-0.004 χ^2/NDF: 10251414.1/92

- sign 42.725+/-0.006 χ^2/NDF: 5366149.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

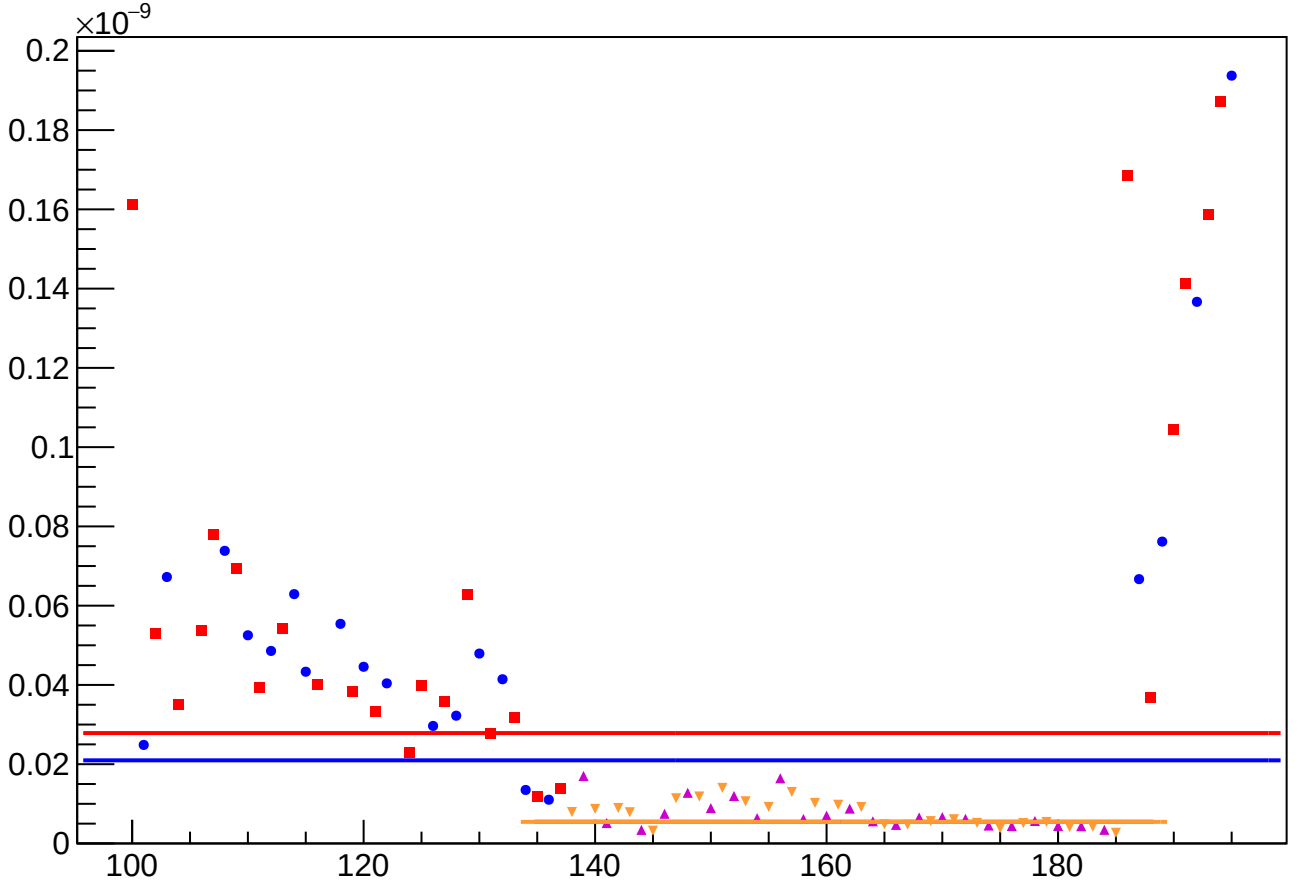
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/24

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: 79.1/92

- sign -0.000+/-0.000 χ^2/NDF: 35.2/47



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: 5310326.0/24

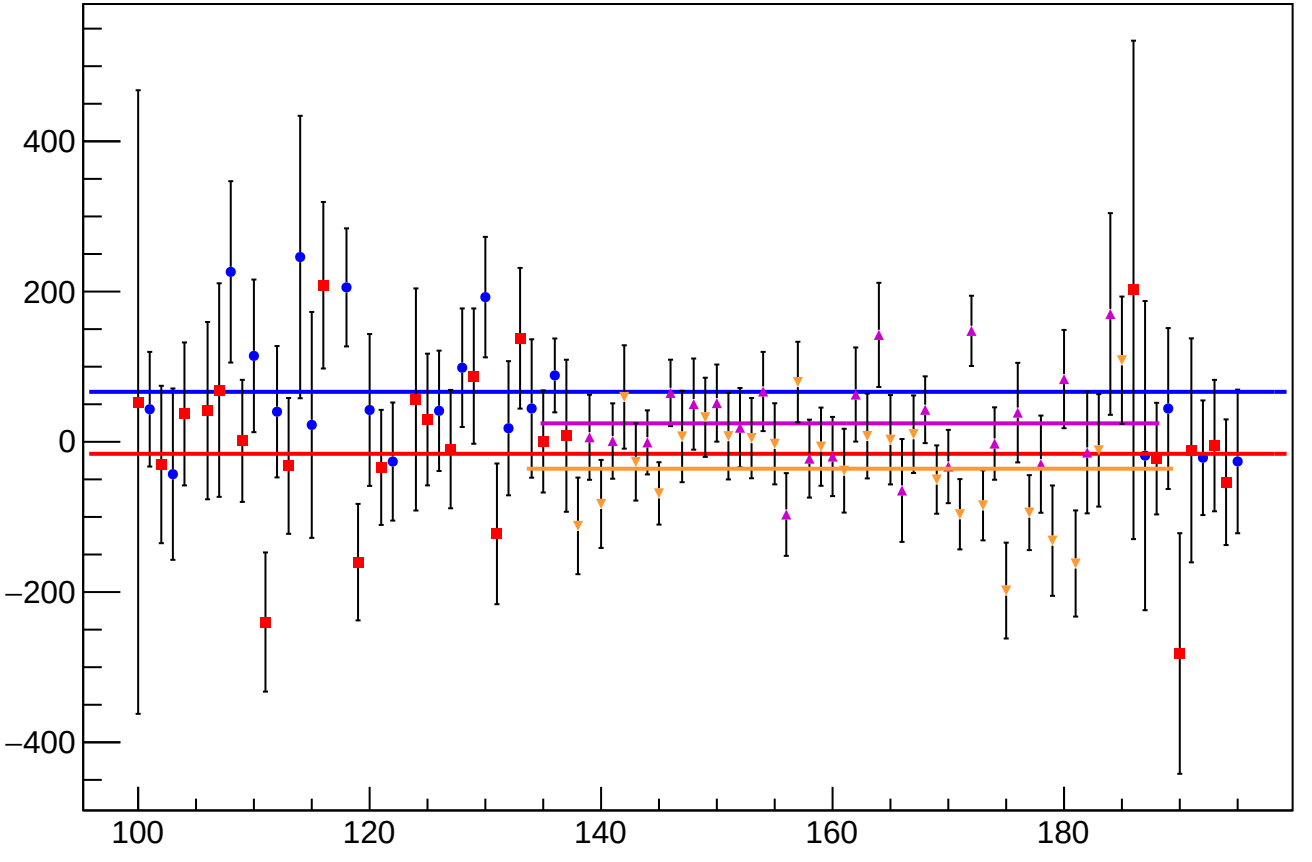
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13055658.8/44

All: 0.000+/-0.000 χ^2/NDF: 26803272.0/92

- sign 0.000+/-0.000 χ^2/NDF: 13746137.4/47

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: -15.952+/-19.289 χ^2/NDF: 23.8/24

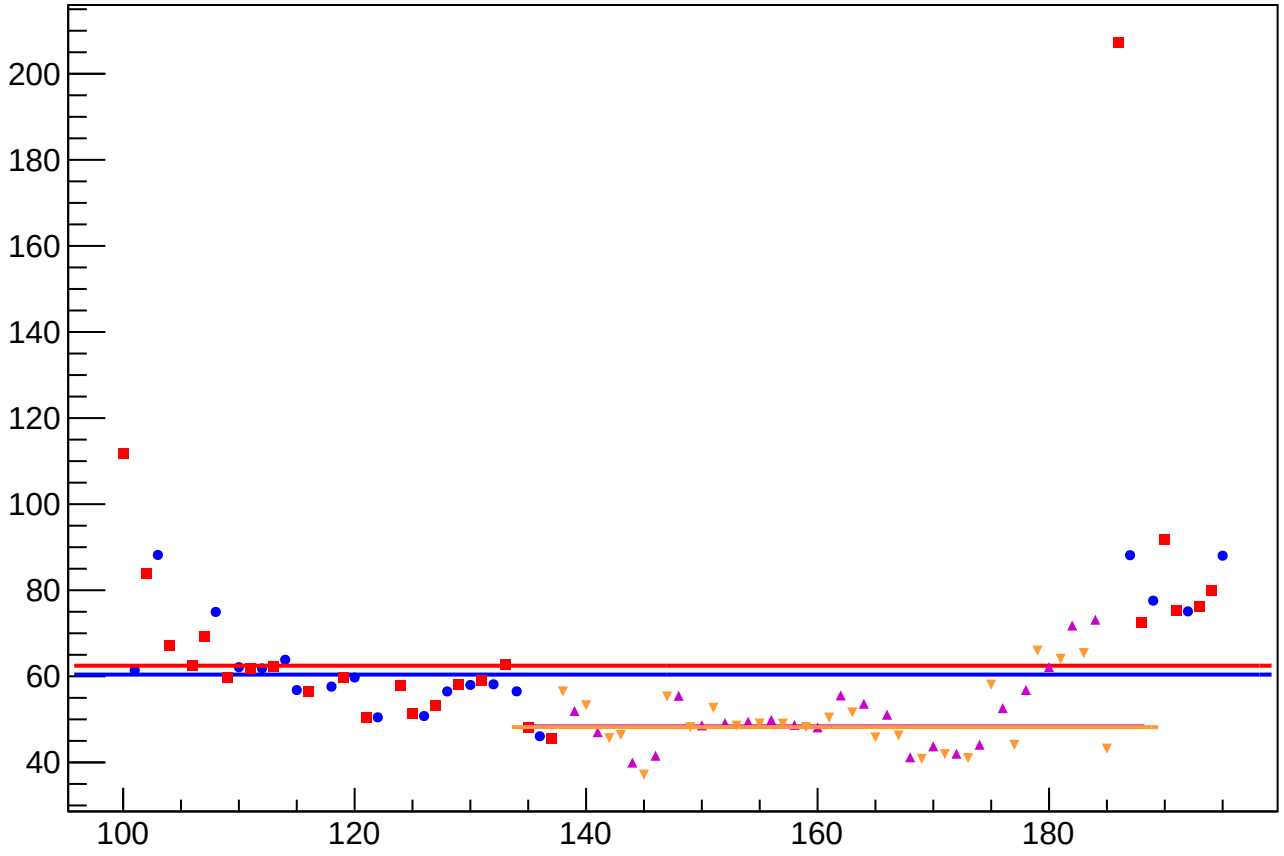
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.180+/-9.691 χ^2/NDF: 68.5/44

All: 1.185+/-6.911 χ^2/NDF: 124.6/92

- sign 13.984+/-9.859 χ^2/NDF: 52.8/47

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

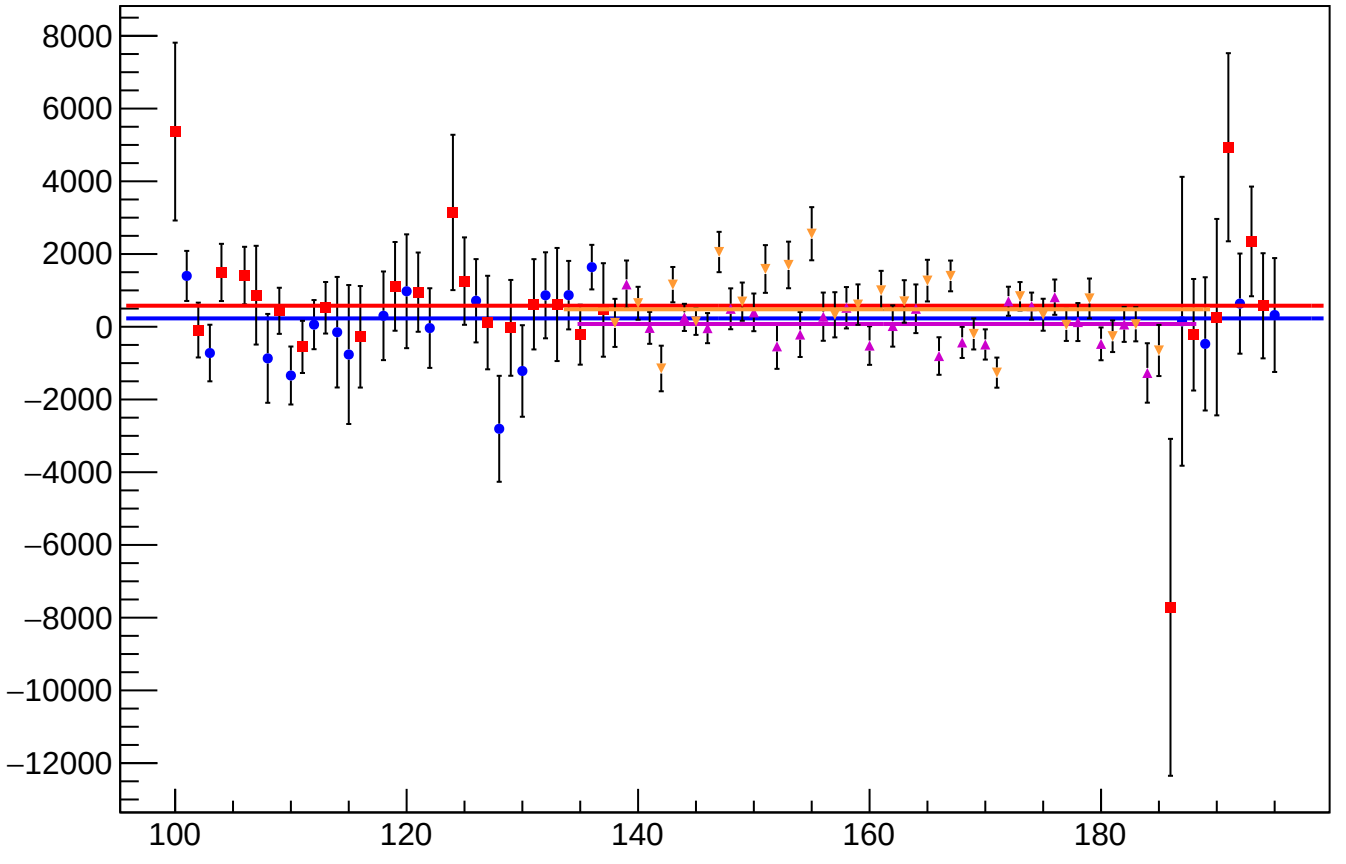
Right Out: 62.472+/-0.014 χ^2/NDF: 1031034.0/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084927.9/44

All: 51.590+/-0.005 χ^2/NDF: 4608875.0/92

- sign 52.062+/-0.007 χ^2/NDF: 2514918.6/47



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: 578.773+/-218.002 χ^2/NDF: 21.1/24

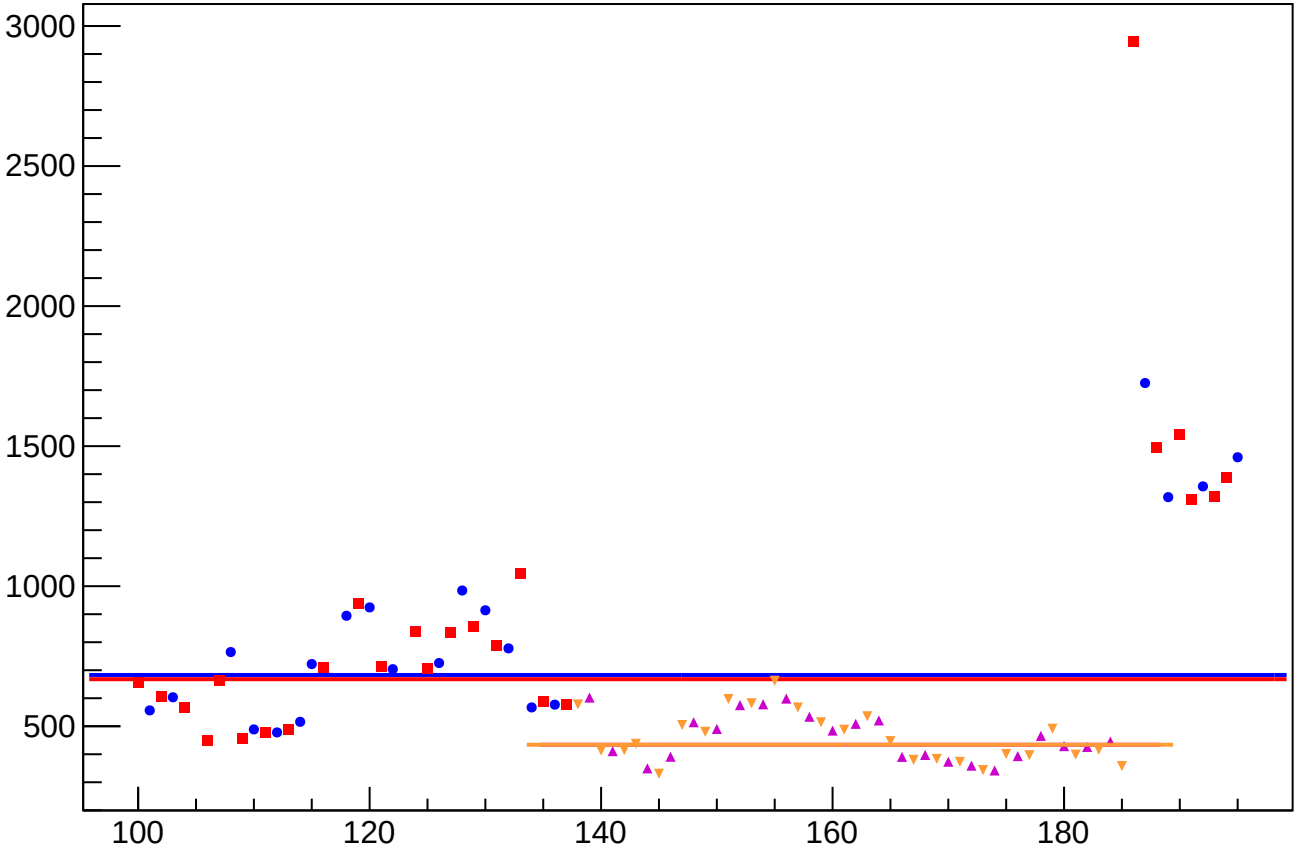
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 440.798+/-92.277 χ^2/NDF: 92.1/44

All: 305.624+/-65.582 χ^2/NDF: 146.3/92

- sign 167.663+/-93.223 χ^2/NDF: 49.9/47

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: 667.957+/-0.154 χ^2/NDF: 3317174.1/24

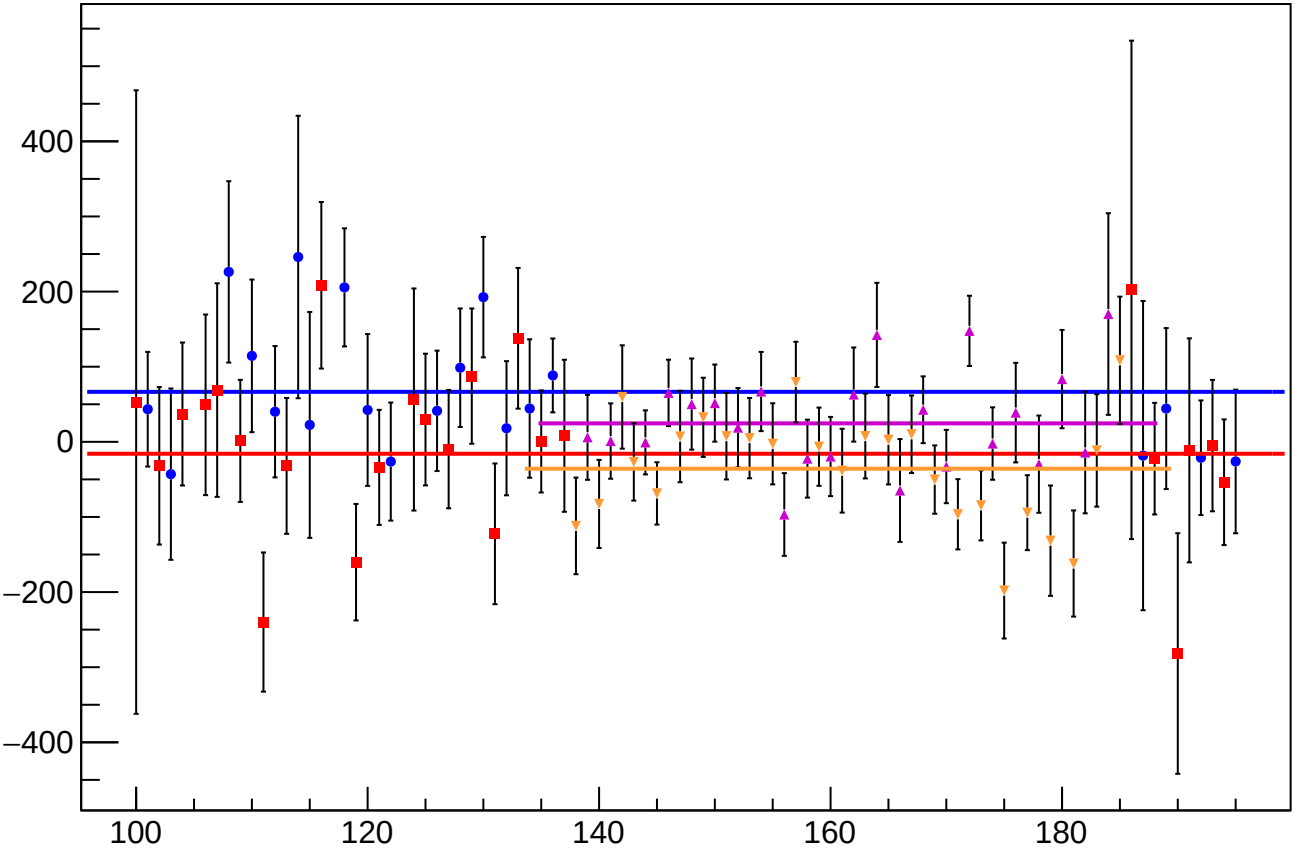
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317799.7/44

All: 474.834+/-0.046 χ^2/NDF: 11617836.6/92

- sign 476.555+/-0.066 χ^2/NDF: 6298686.9/47

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: -15.870+/-19.298 χ^2/NDF: 23.9/24

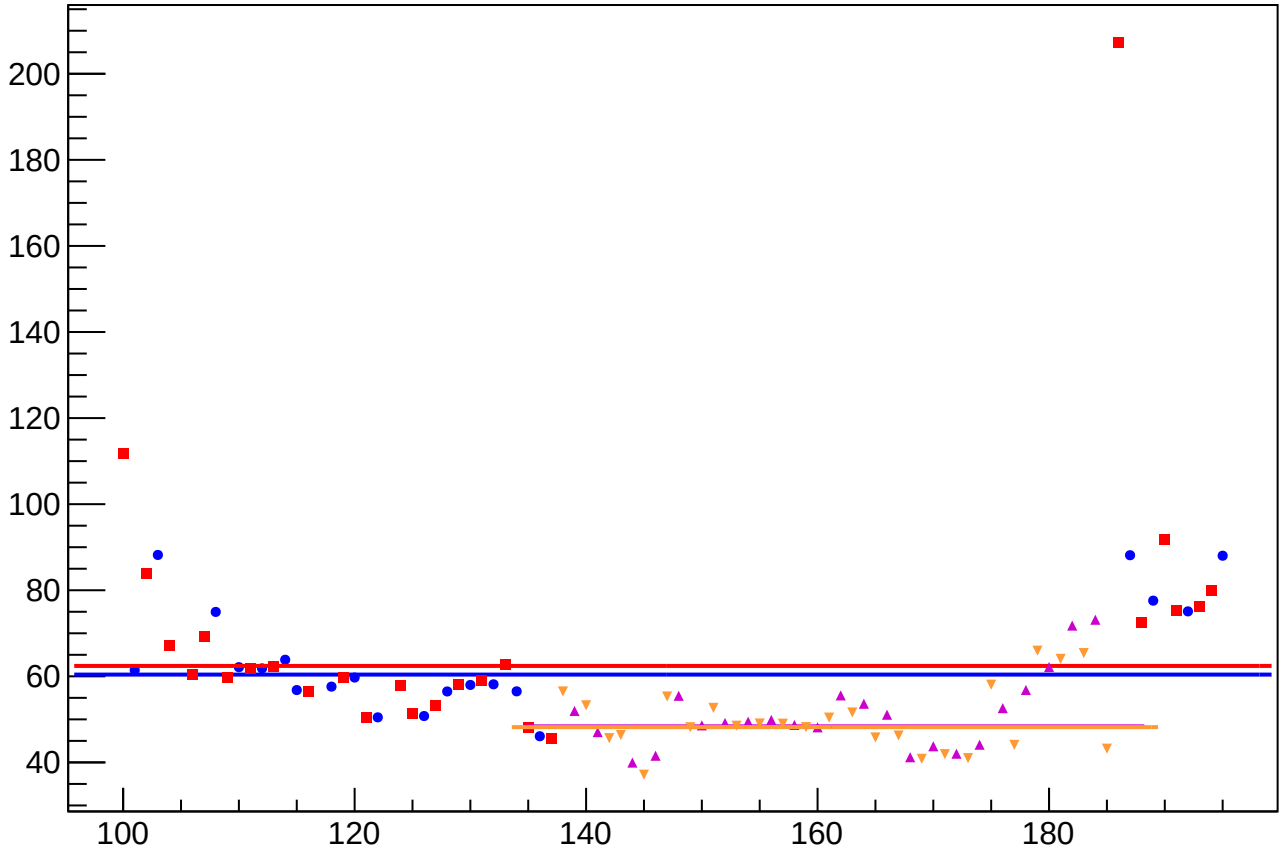
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.184+/-9.691 χ^2/NDF: 68.5/44

All: 1.196+/-6.912 χ^2/NDF: 124.7/92

- sign 14.014+/-9.861 χ^2/NDF: 52.9/47

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

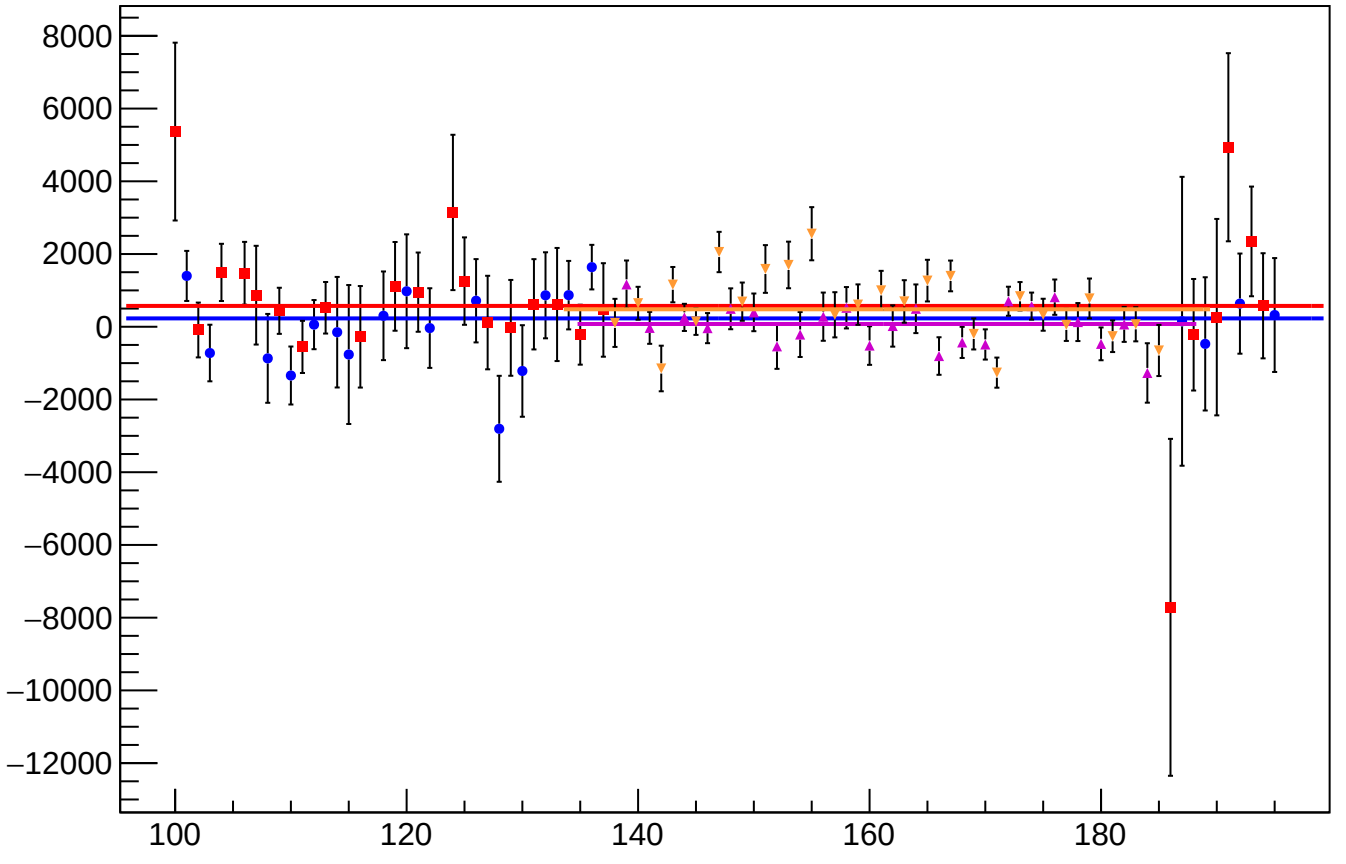
Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084931.9/44

All: 51.582+/-0.005 χ^2/NDF: 4602956.7/92

- sign 52.046+/-0.007 χ^2/NDF: 2509311.5/47



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: 573.074+/-219.336 χ^2/NDF: 21.1/24

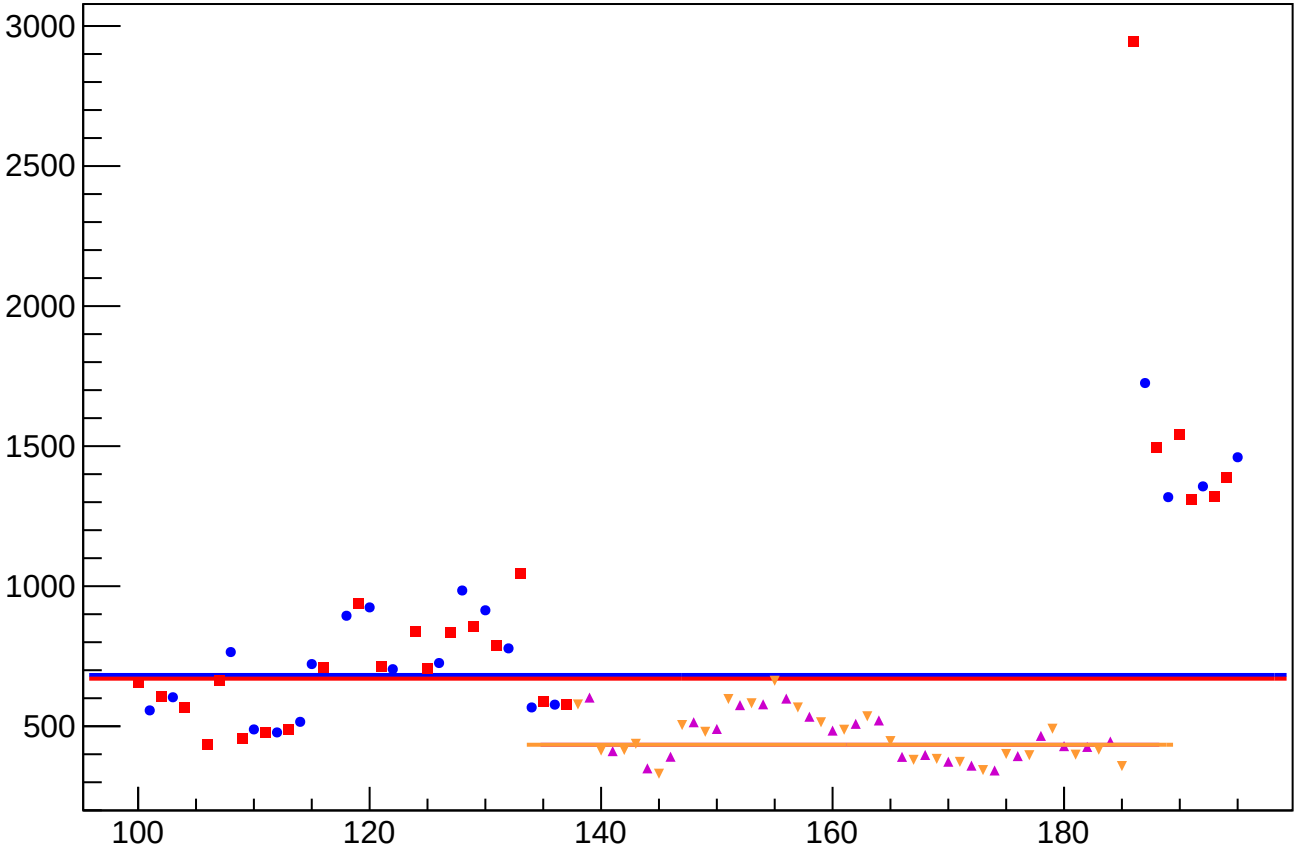
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

\+ sign 440.800+/-92.277 χ^2/NDF: 92.1/44

All: 304.816+/-65.618 χ^2/NDF: 146.2/92

\- sign 165.720+/-93.327 χ^2/NDF: 49.7/47

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: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

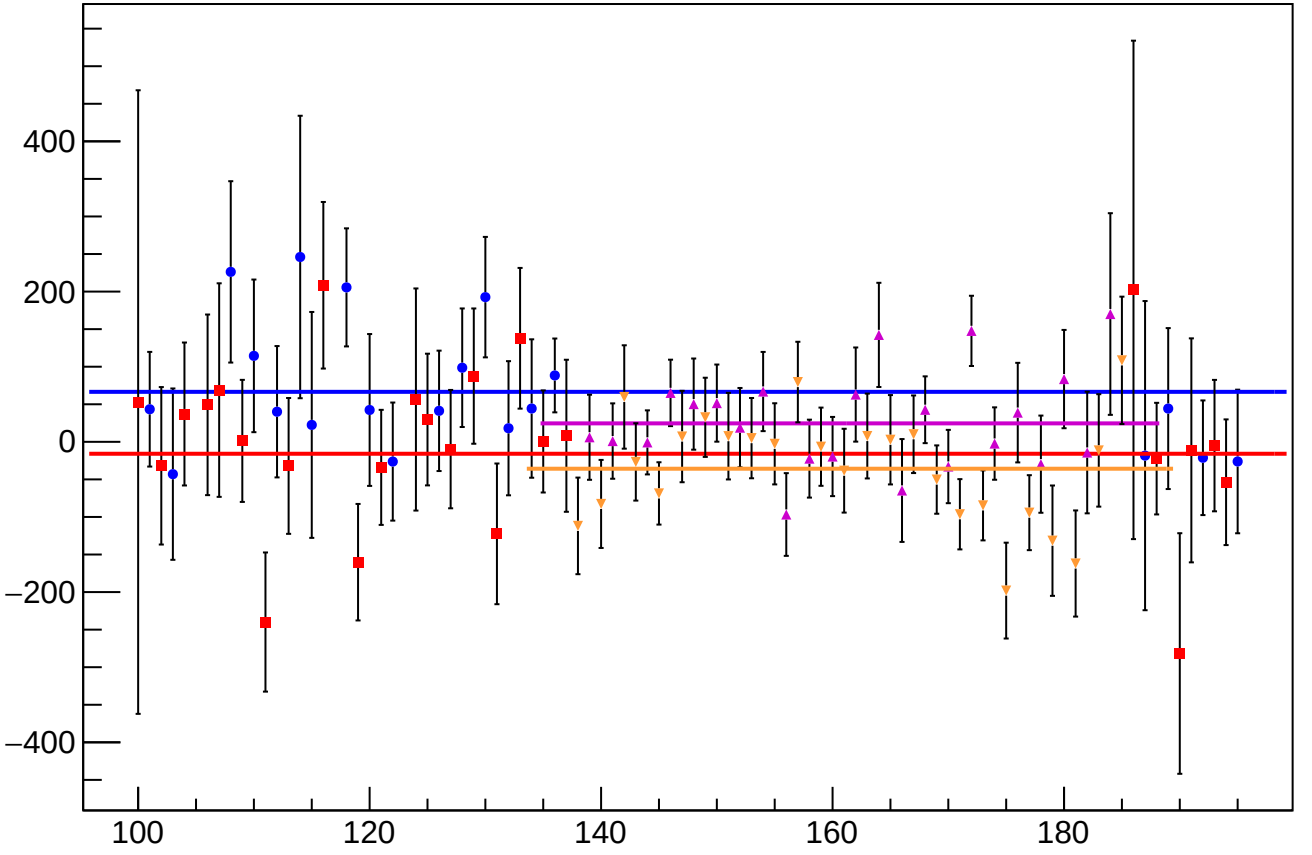
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317828.1/44

All: 474.789+/-0.046 χ^2/NDF: 11620108.4/92

- sign 476.467+/-0.066 χ^2/NDF: 6301000.7/47

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: -15.870+/-19.298 χ^2/NDF: 23.9/24

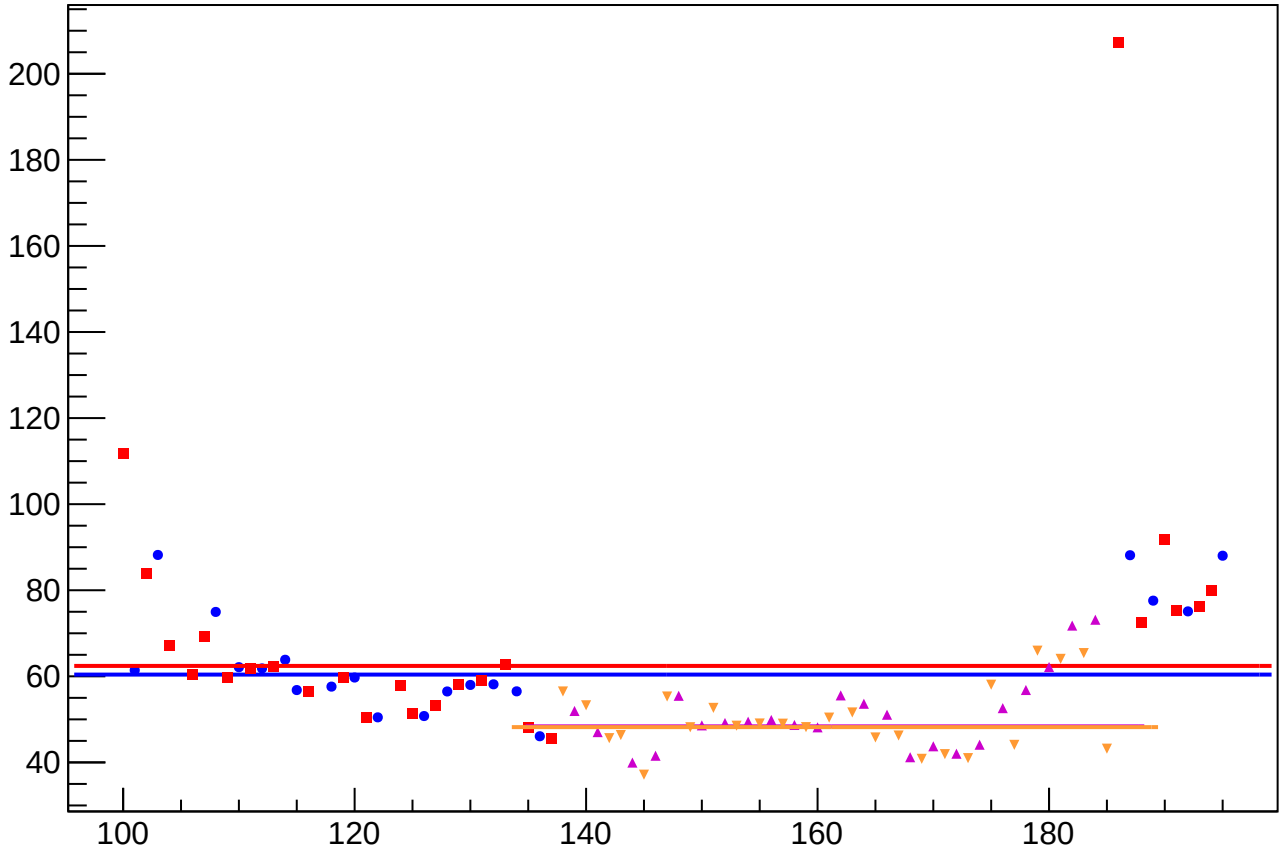
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.184+/-9.691 χ^2/NDF: 68.5/44

All: 1.196+/-6.912 χ^2/NDF: 124.7/92

- sign 14.014+/-9.861 χ^2/NDF: 52.9/47

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

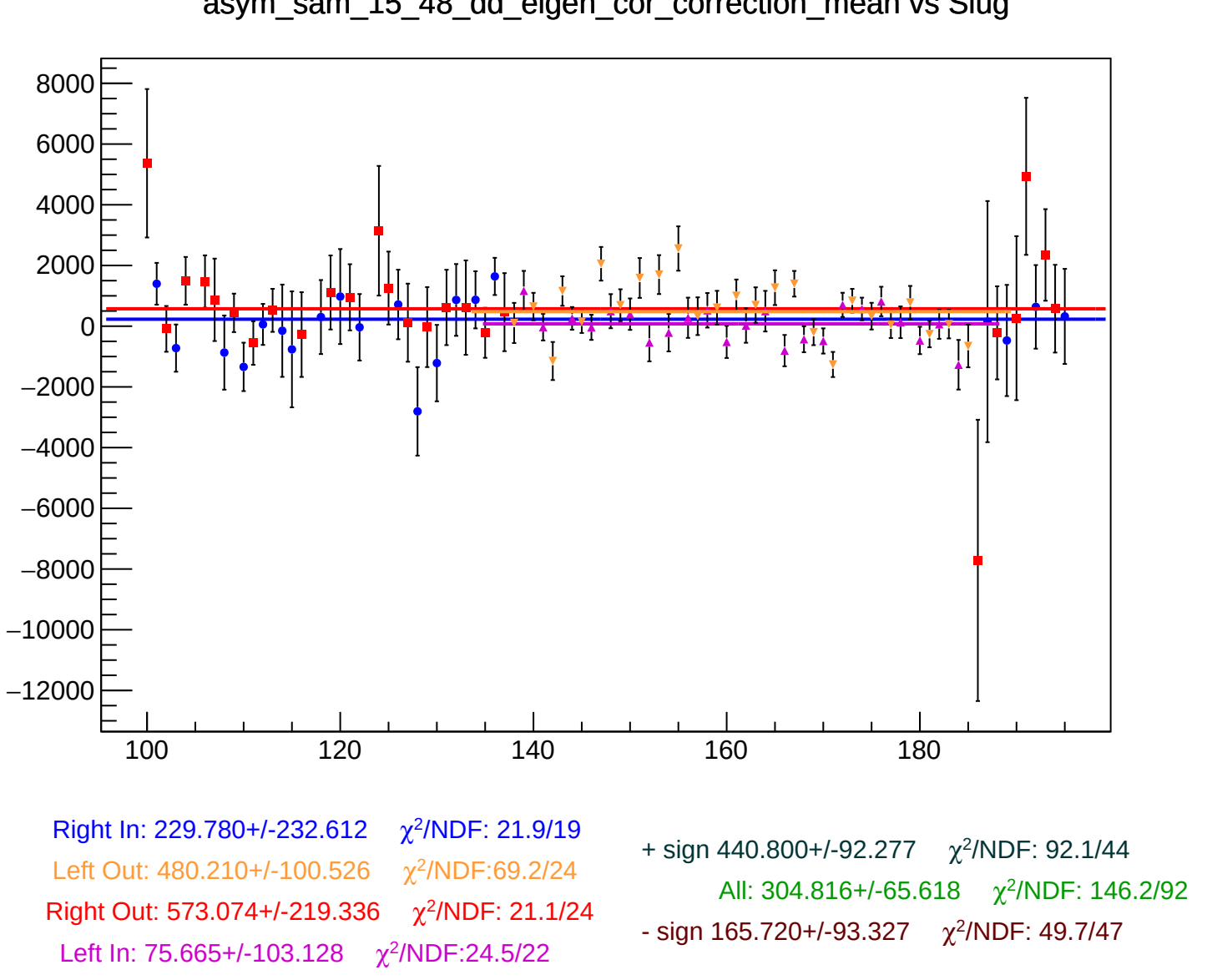
Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

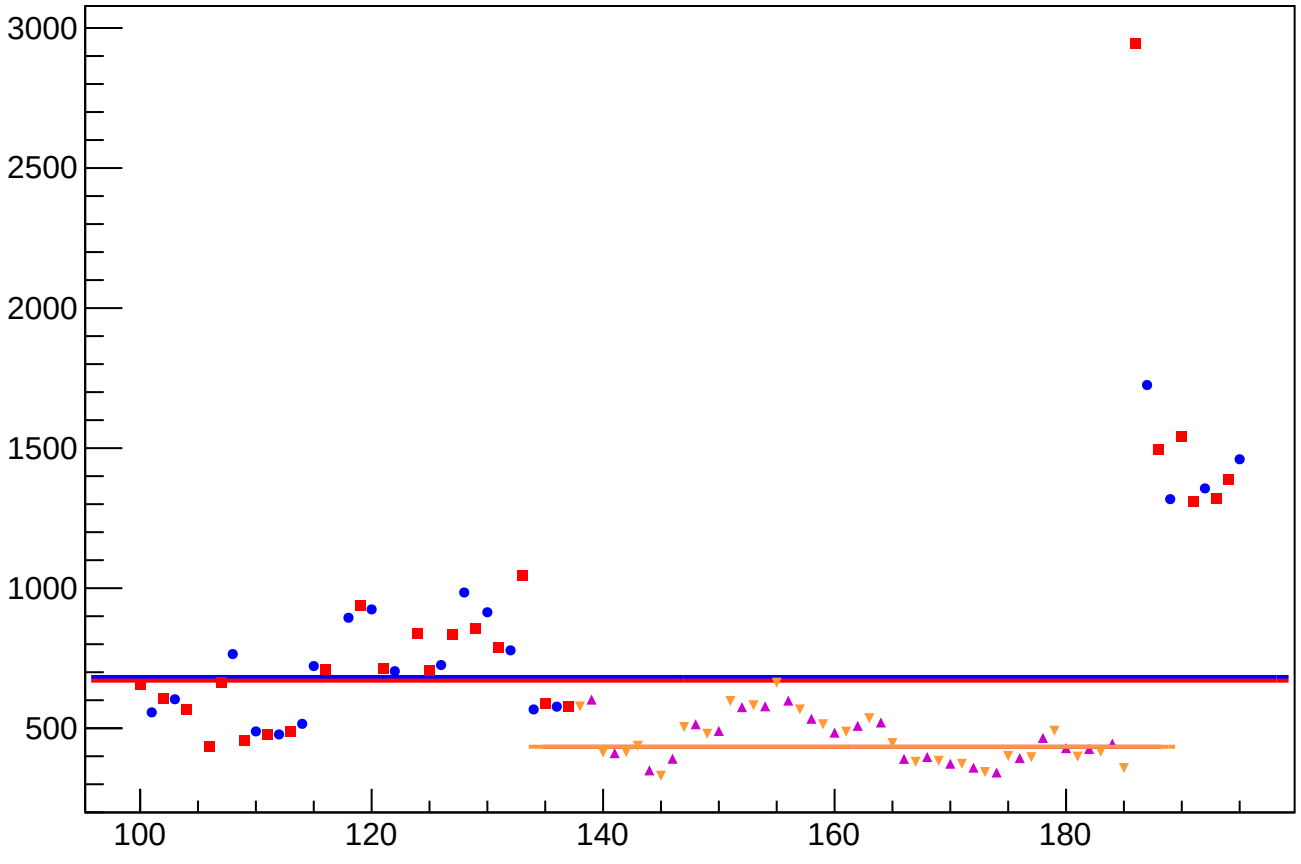
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.133+/-0.007 χ^2/NDF: 2084931.9/44

All: 51.582+/-0.005 χ^2/NDF: 4602956.7/92

- sign 52.046+/-0.007 χ^2/NDF: 2509311.5/47


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: 229.780+/-232.612 χ²/NDF: 21.9/19
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 573.074+/-219.336 χ²/NDF: 21.1/24
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 440.800+/-92.277 χ²/NDF: 92.1/44
All: 304.816+/-65.618 χ²/NDF: 146.2/92
- sign 165.720+/-93.327 χ²/NDF: 49.7/47



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: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

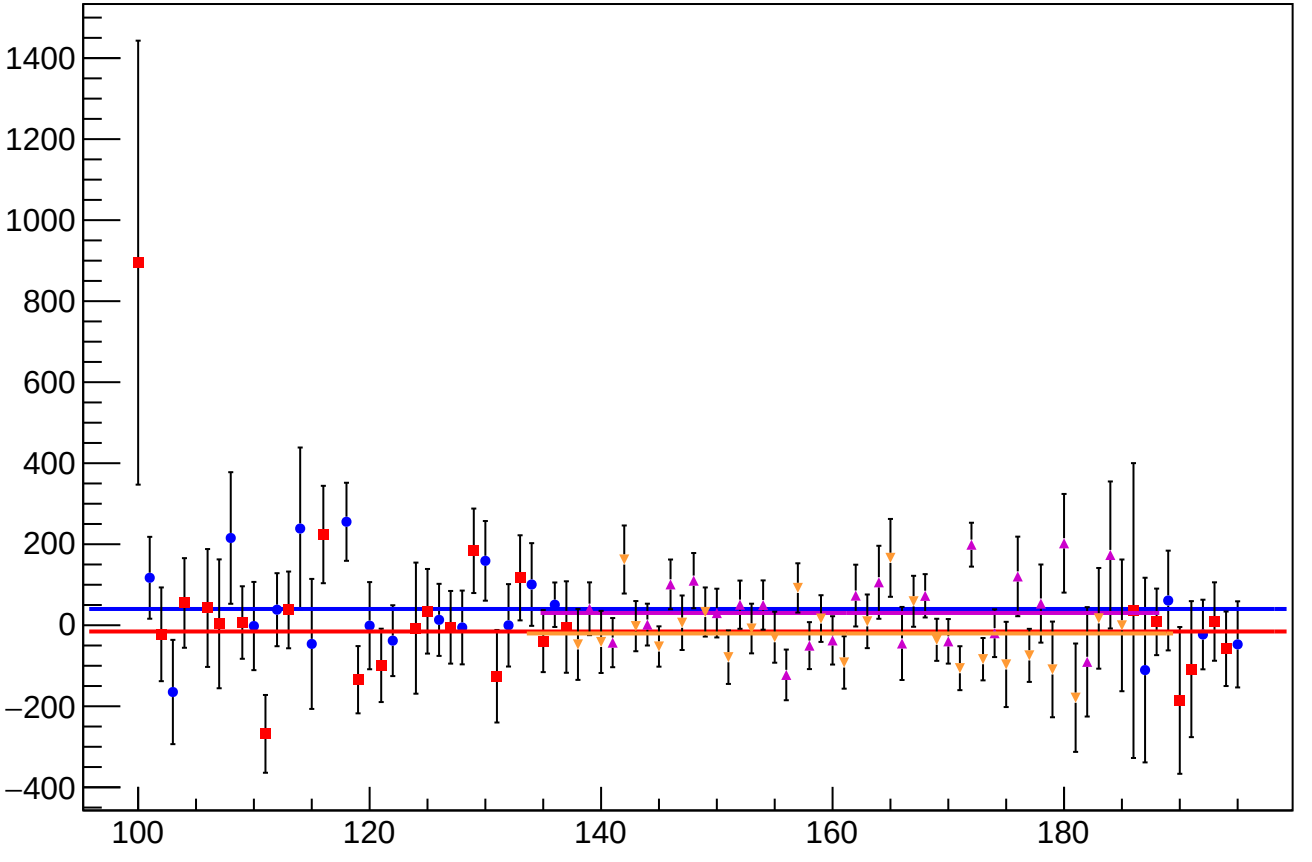
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 473.147+/-0.065 χ^2/NDF: 5317828.1/44

All: 474.789+/-0.046 χ^2/NDF: 11620108.4/92

- sign 476.467+/-0.066 χ^2/NDF: 6301000.7/47

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: -15.401+/-21.633 χ^2/NDF: 25.6/24

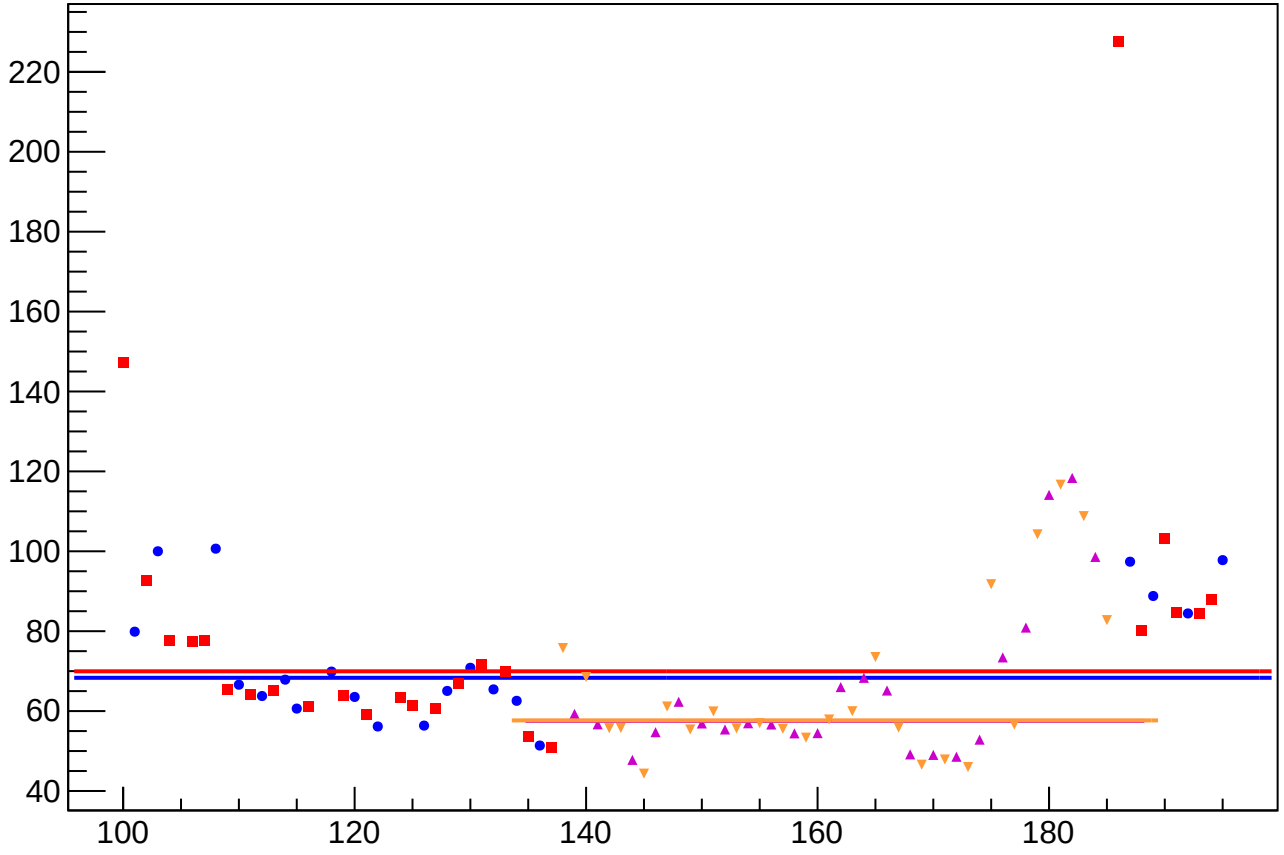
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -4.025+/-11.661 χ^2/NDF: 46.1/44

All: 6.342+/-8.274 χ^2/NDF: 109.0/92

\- sign 16.851+/-11.741 χ^2/NDF: 61.4/47

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

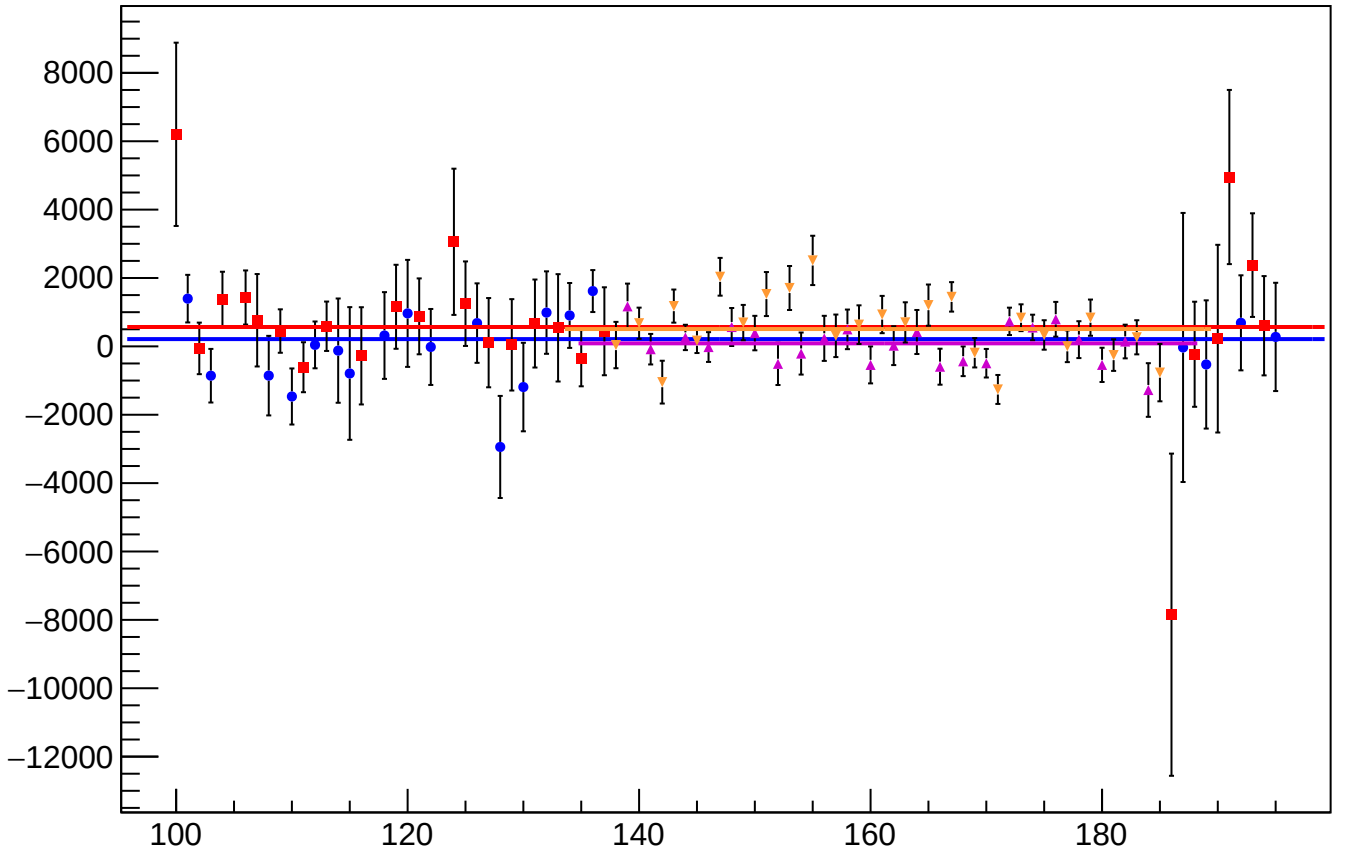
Right Out: 69.956+/-0.015 χ^2/NDF: 1002426.4/24

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.535+/-0.008 χ^2/NDF: 3069095.5/44

All: 60.864+/-0.006 χ^2/NDF: 5982817.9/92

- sign 61.197+/-0.008 χ^2/NDF: 2910520.1/47



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: 566.632+/-220.213 χ^2/NDF: 21.7/24

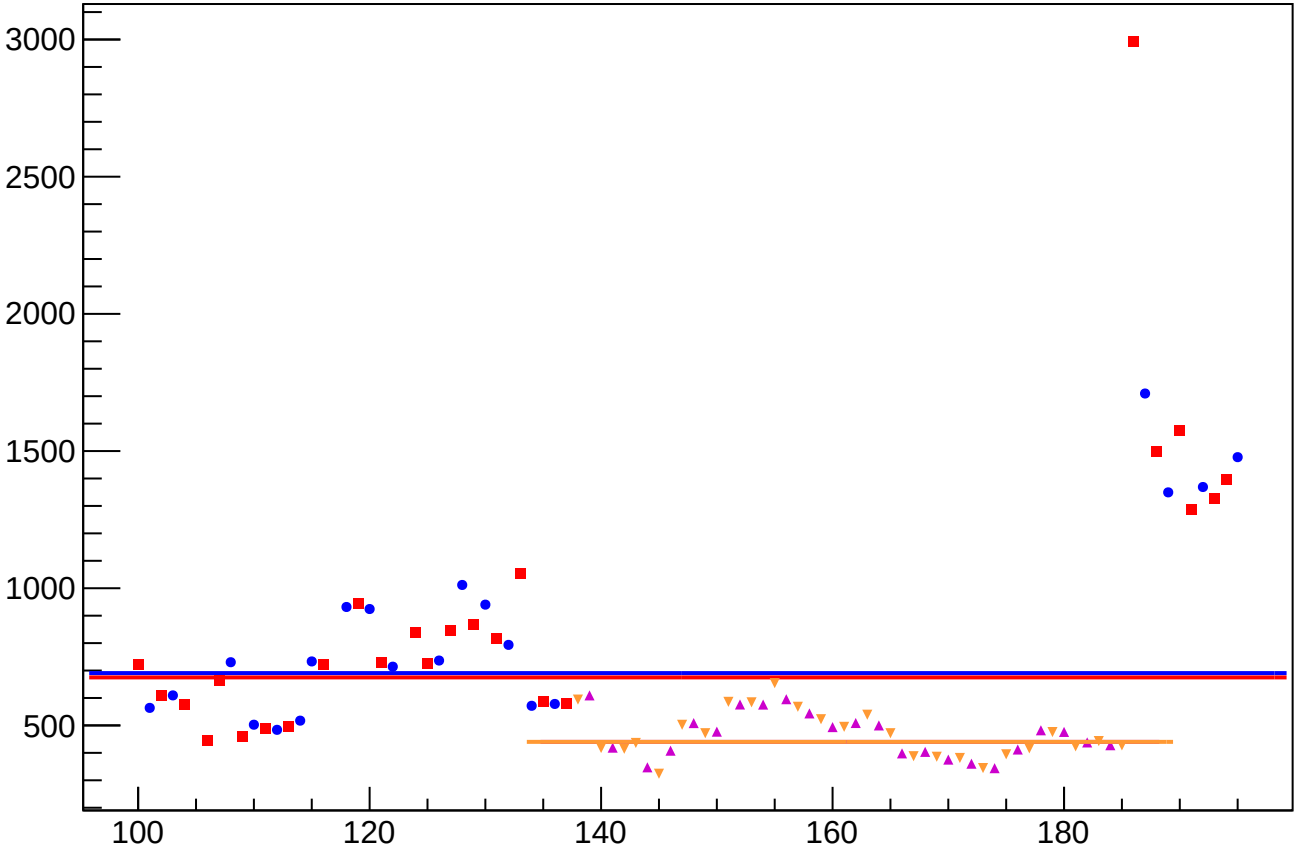
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 460.700+/-93.401 χ^2/NDF: 89.9/44

All: 320.129+/-66.409 χ^2/NDF: 143.3/92

- sign 176.414+/-94.440 χ^2/NDF: 48.9/47

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: 674.965+/-0.156 χ^2/NDF: 3320426.5/24

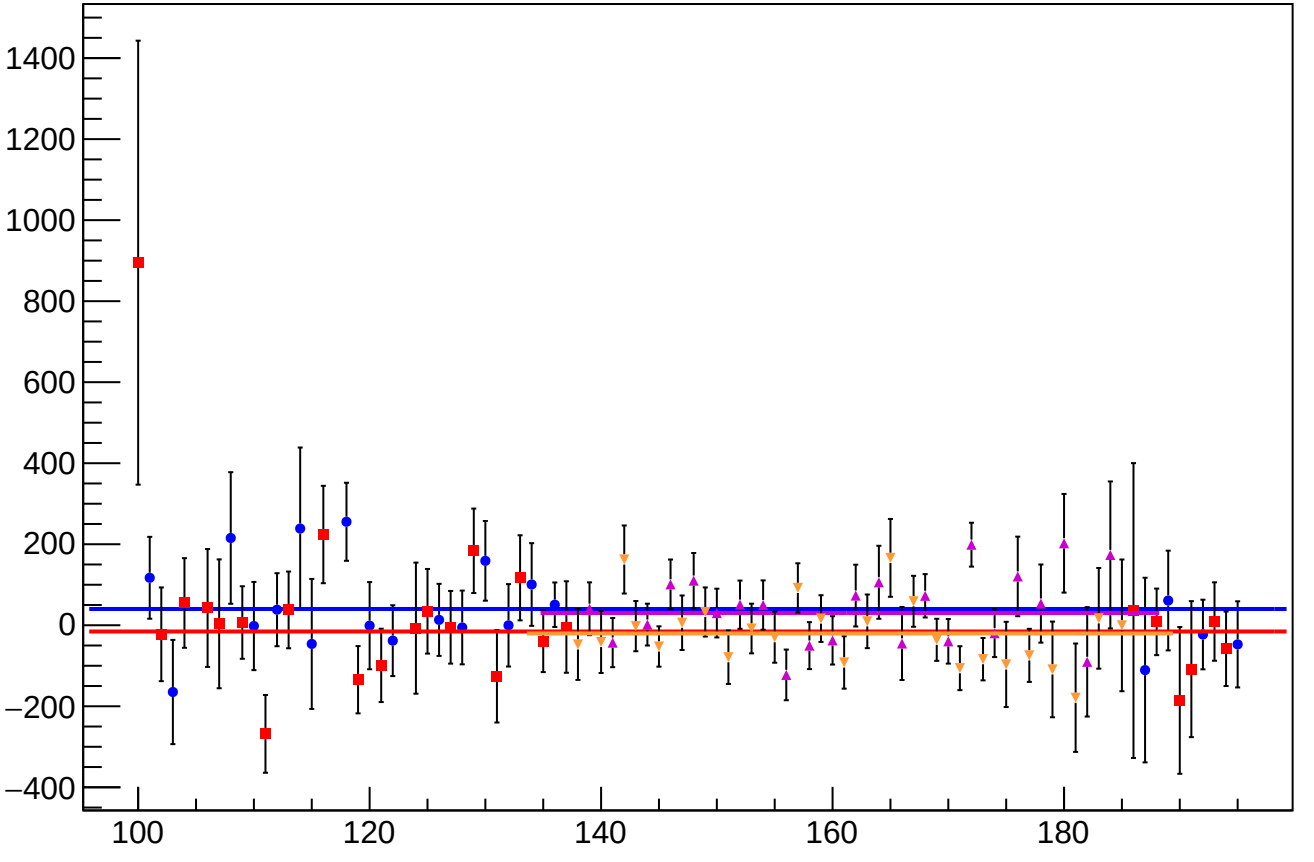
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 479.627+/-0.066 χ^2/NDF: 5267400.4/44

All: 481.351+/-0.047 χ^2/NDF: 11511217.5/92

- sign 483.114+/-0.067 χ^2/NDF: 6242438.6/47

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: -15.401+/-21.633 χ^2/NDF: 25.6/24

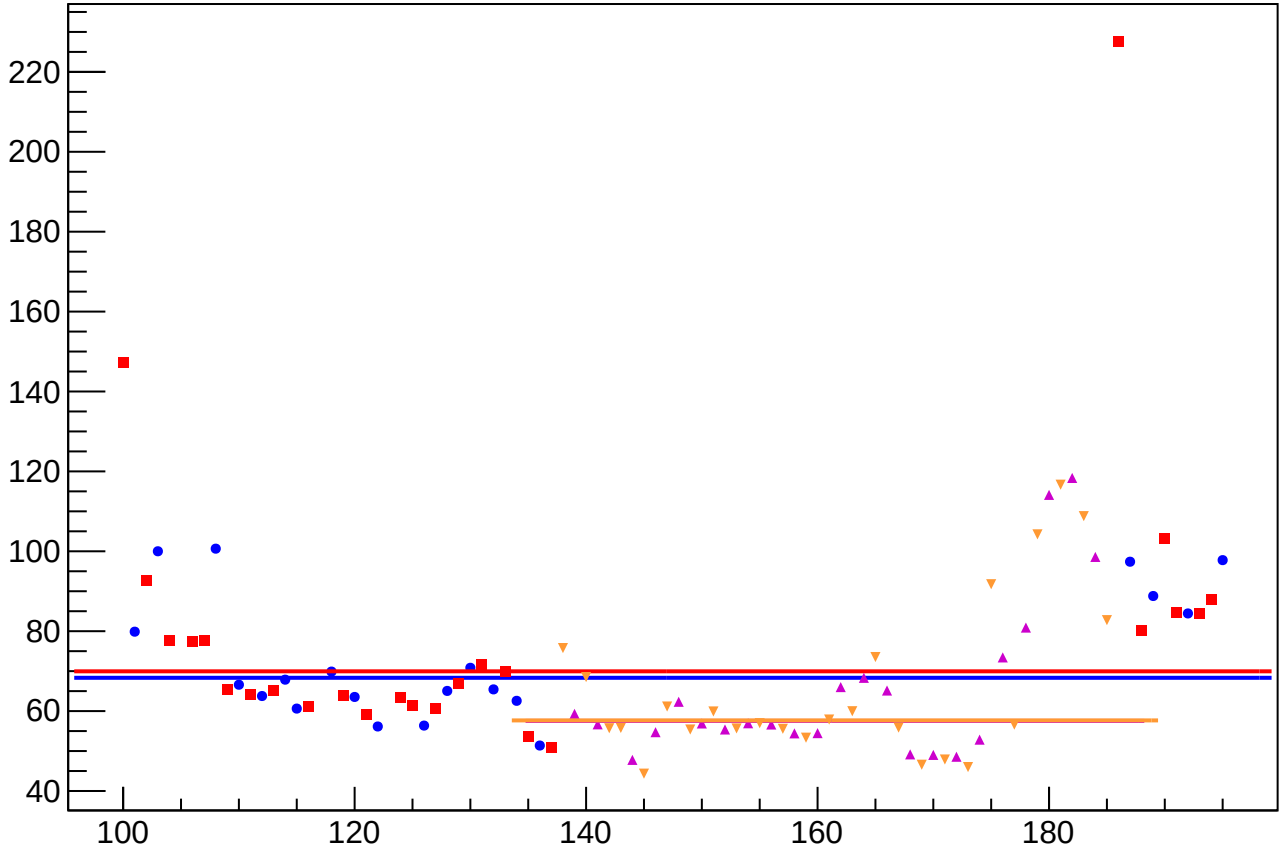
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -4.025+/-11.661 χ^2/NDF: 46.1/44

All: 6.342+/-8.274 χ^2/NDF: 109.0/92

- sign 16.851+/-11.741 χ^2/NDF: 61.4/47

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

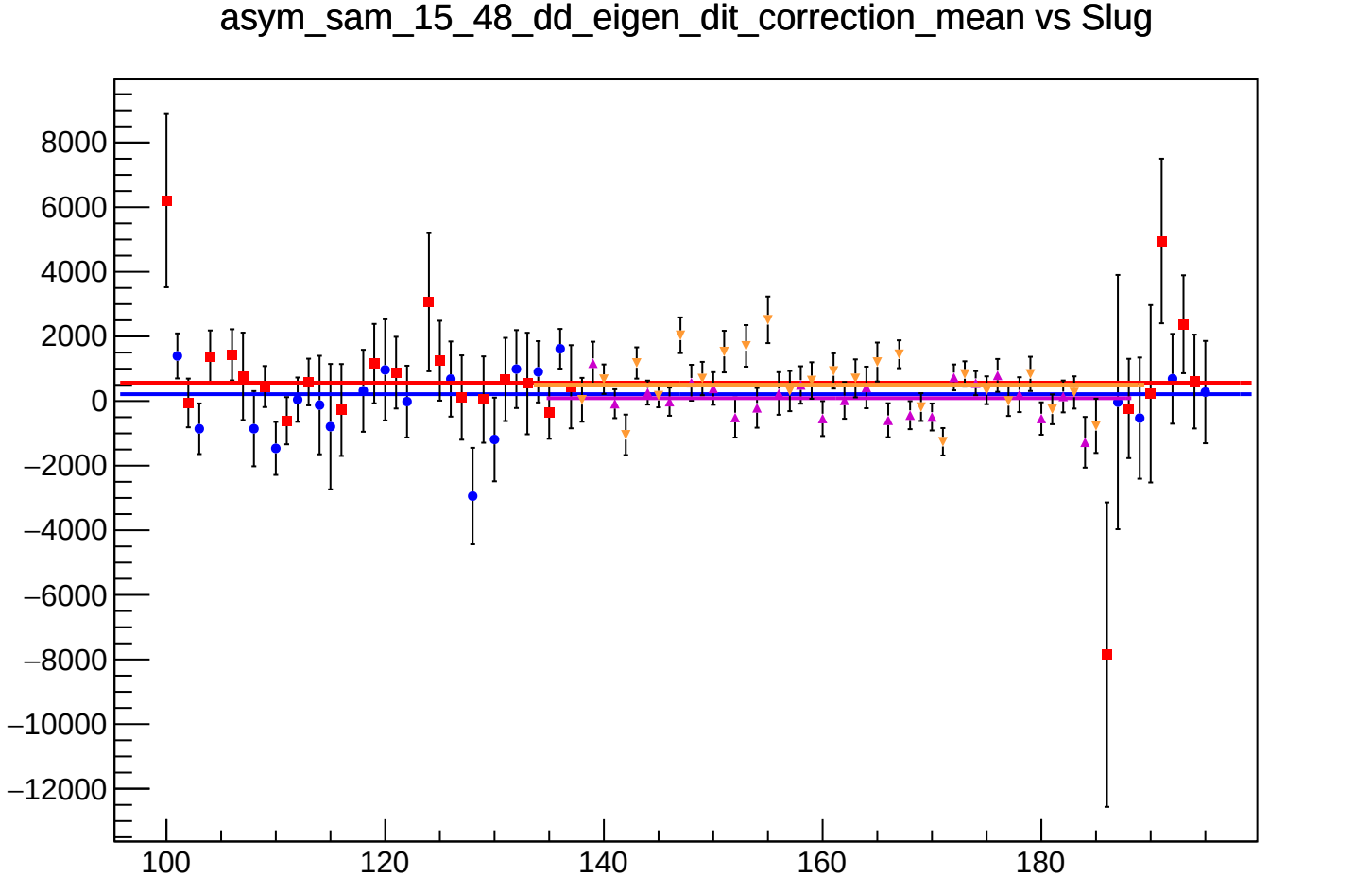
Right Out: 69.956+/-0.015 χ^2/NDF: 1002437.2/24

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.535+/-0.008 χ^2/NDF: 3069073.1/44

All: 60.864+/-0.006 χ^2/NDF: 5982774.6/92

- sign 61.197+/-0.008 χ^2/NDF: 2910499.7/47



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: 566.631+/-220.213 χ^2/NDF: 21.7/24

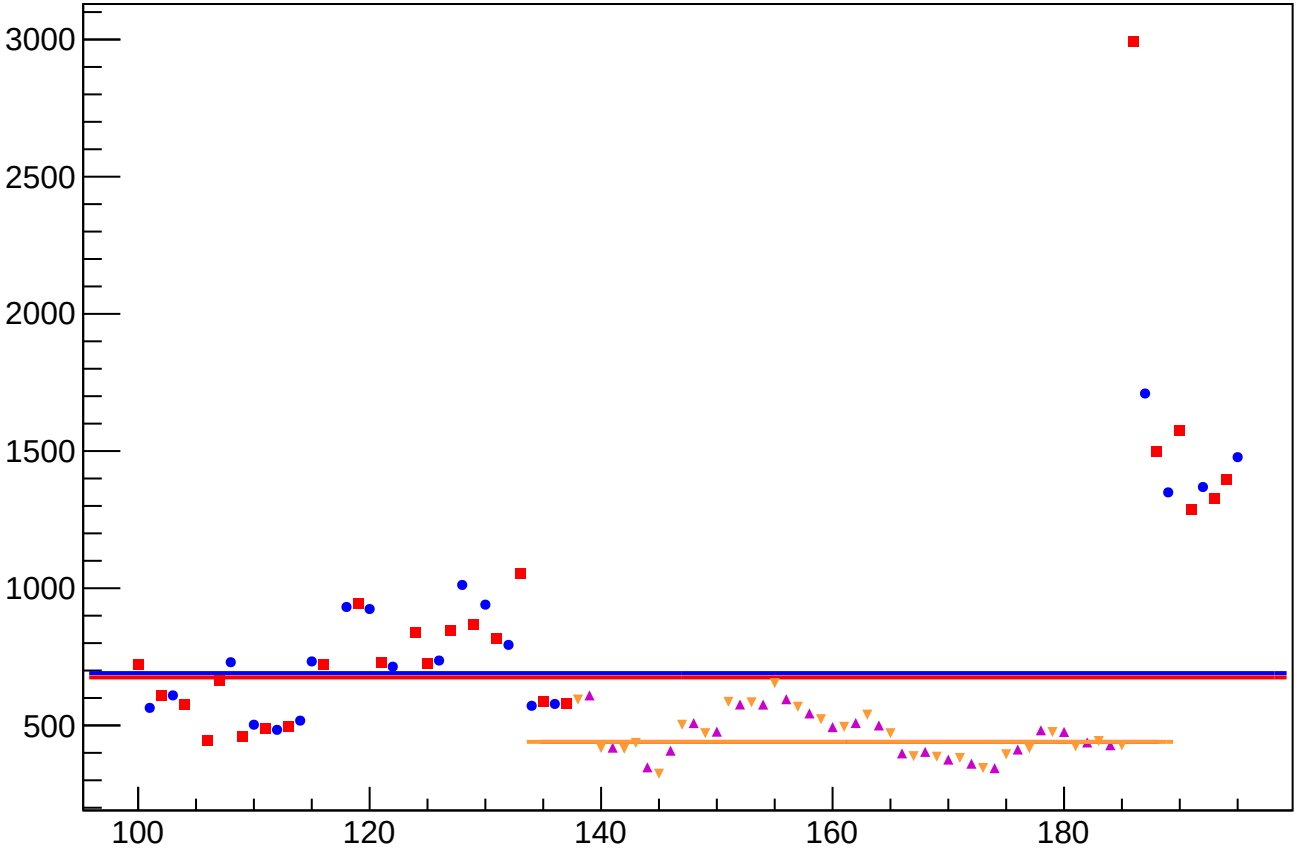
Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 460.699+/-93.401 χ^2/NDF: 89.9/44

All: 320.128+/-66.409 χ^2/NDF: 143.3/92

- sign 176.413+/-94.440 χ^2/NDF: 48.9/47

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



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: 674.964+/-0.156 χ^2/NDF: 3320427.0/24

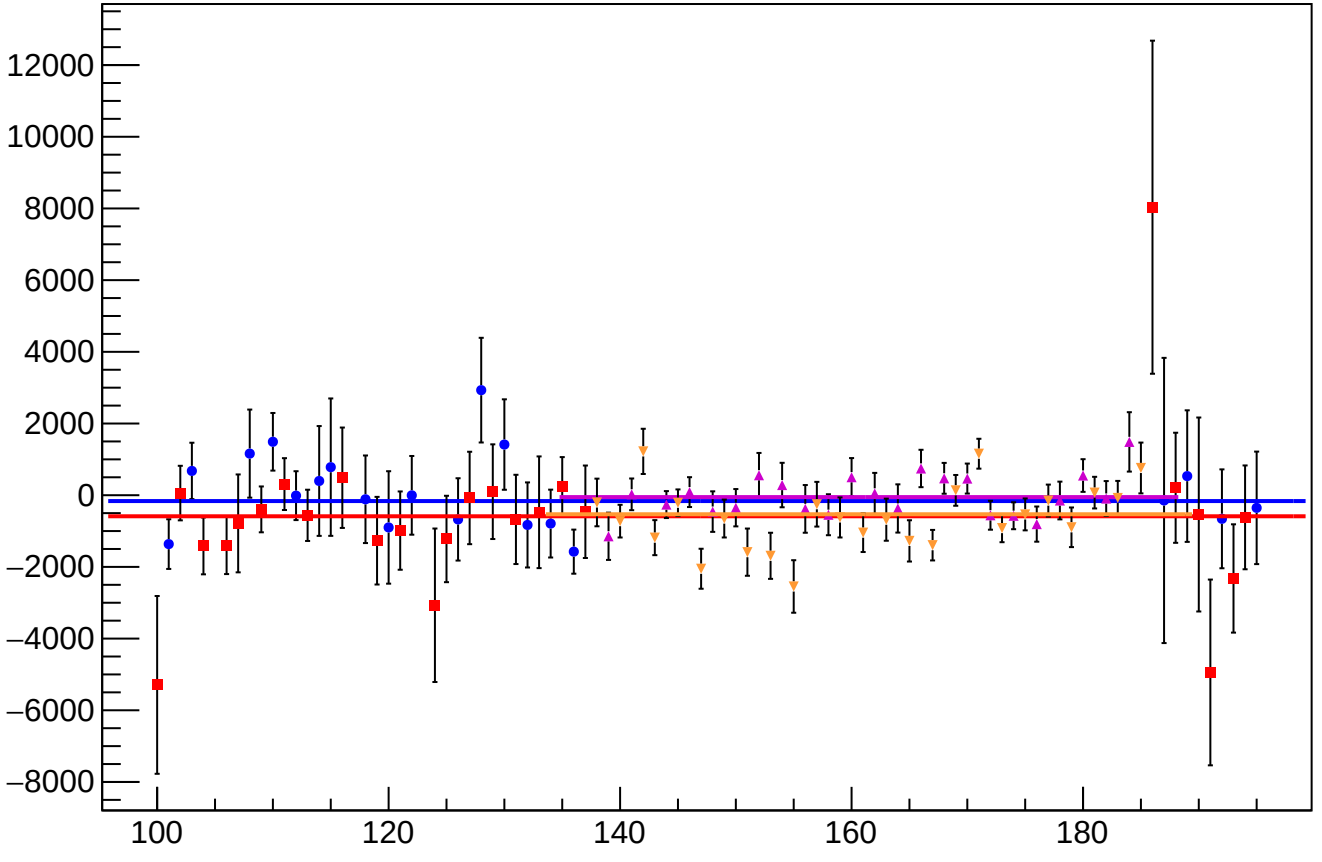
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 479.626+/-0.066 χ^2/NDF: 5267420.7/44

All: 481.350+/-0.047 χ^2/NDF: 11511256.4/92

- sign 483.113+/-0.067 χ^2/NDF: 6242457.3/47

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: -587.795+/-219.485 χ^2/NDF: 20.0/24

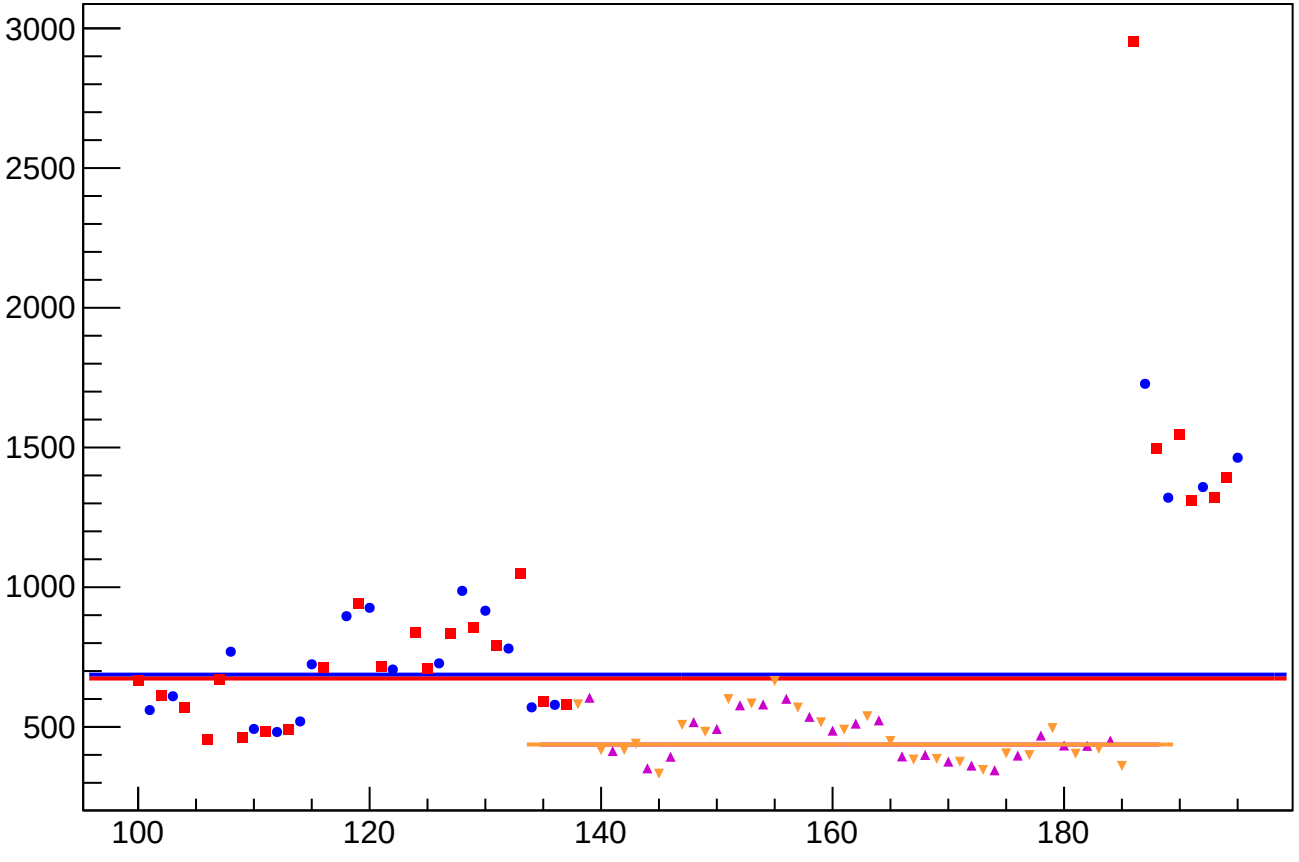
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -473.439+/-92.912 χ^2/NDF: 90.4/44

All: -313.651+/-66.041 χ^2/NDF: 145.4/92

- sign -150.492+/-93.887 χ^2/NDF: 49.0/47

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

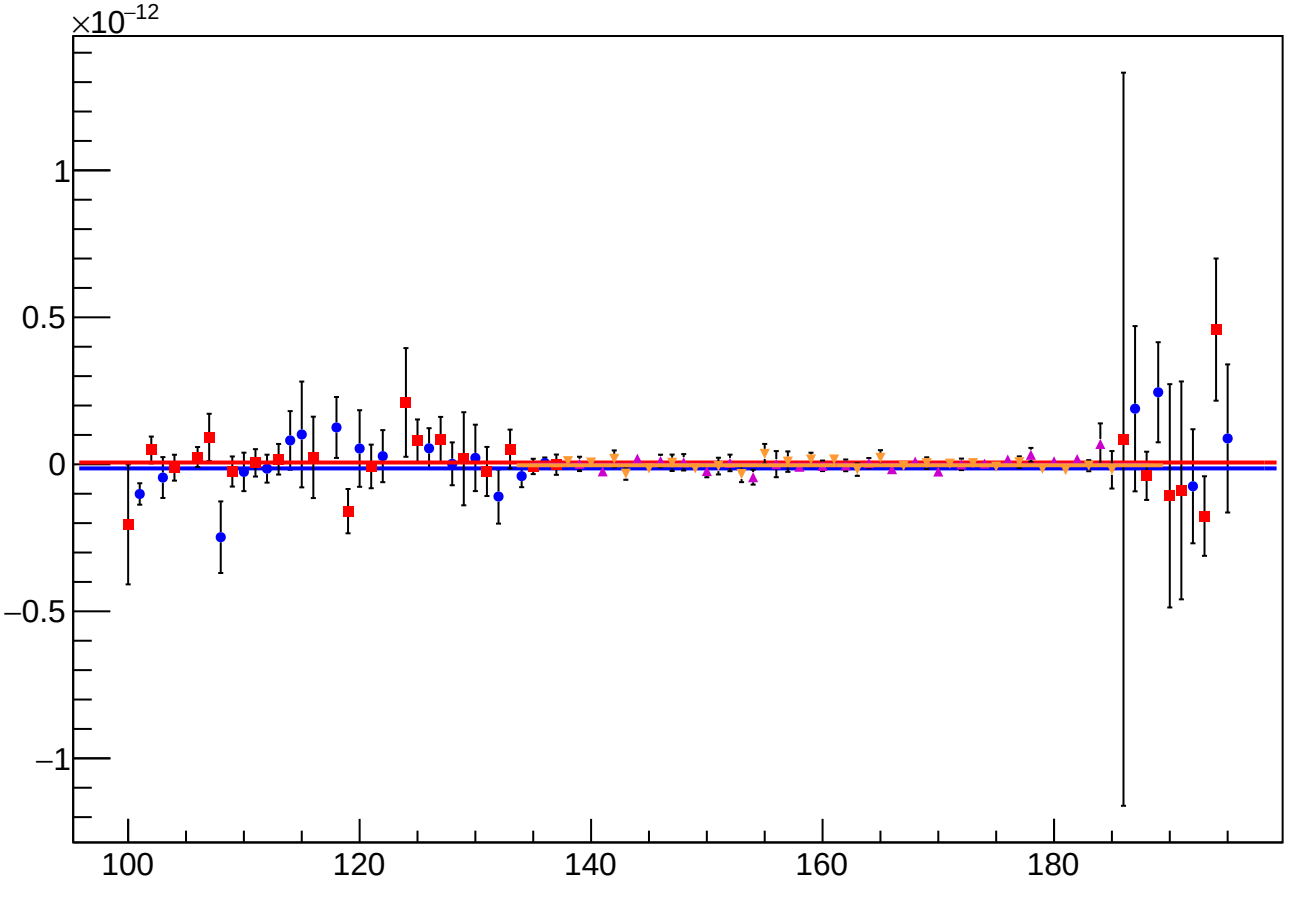
Right Out: 673.237+/-0.155 χ^2/NDF: 3275207.1/24

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 476.624+/-0.066 χ^2/NDF: 5271952.5/44

All: 478.381+/-0.047 χ^2/NDF: 11522634.3/92

- sign 480.175+/-0.066 χ^2/NDF: 6249236.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

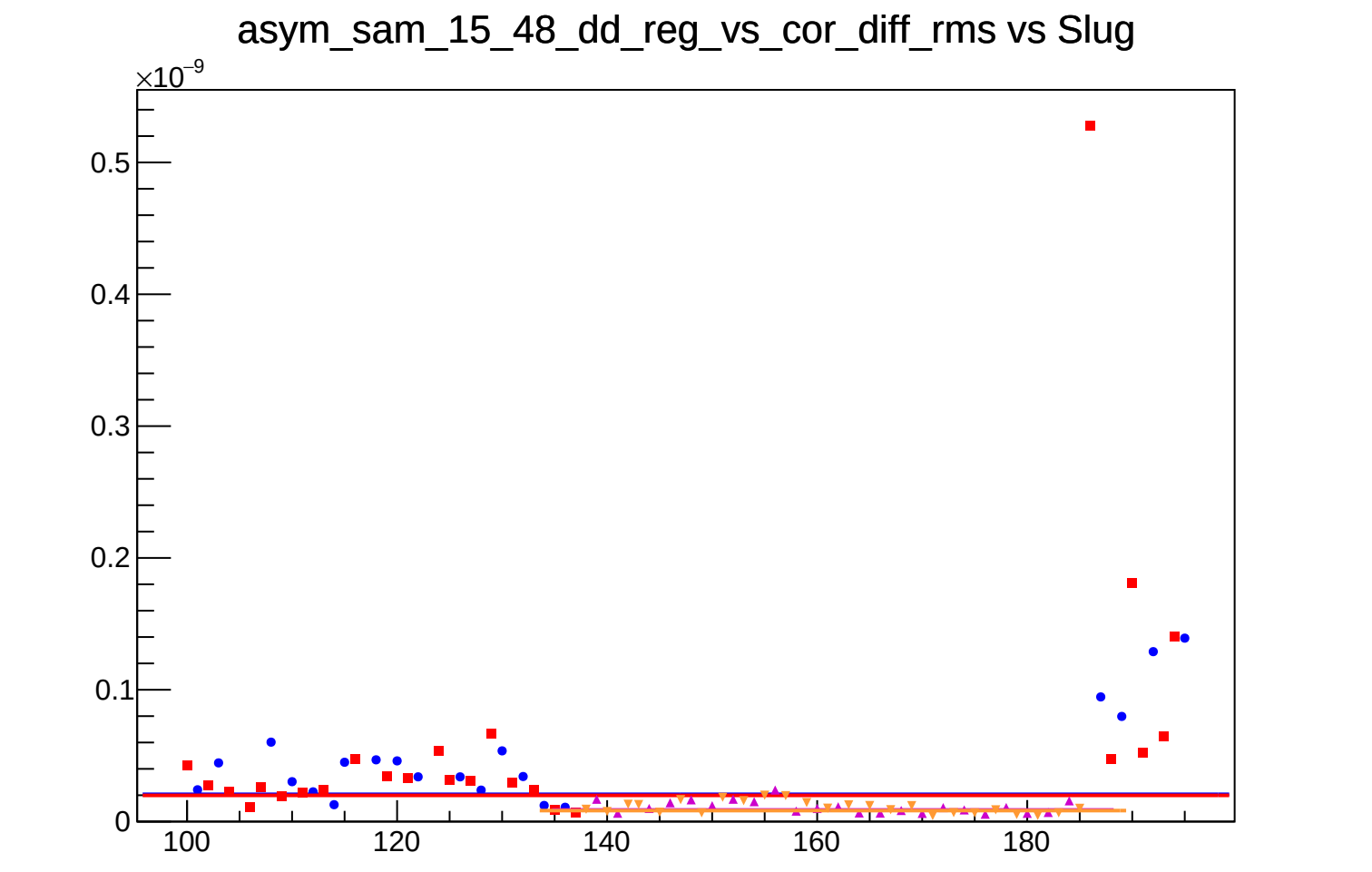
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/24

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: 76.7/92

- sign -0.000+/-0.000 χ^2/NDF: 41.2/47



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: 3116401.6/24

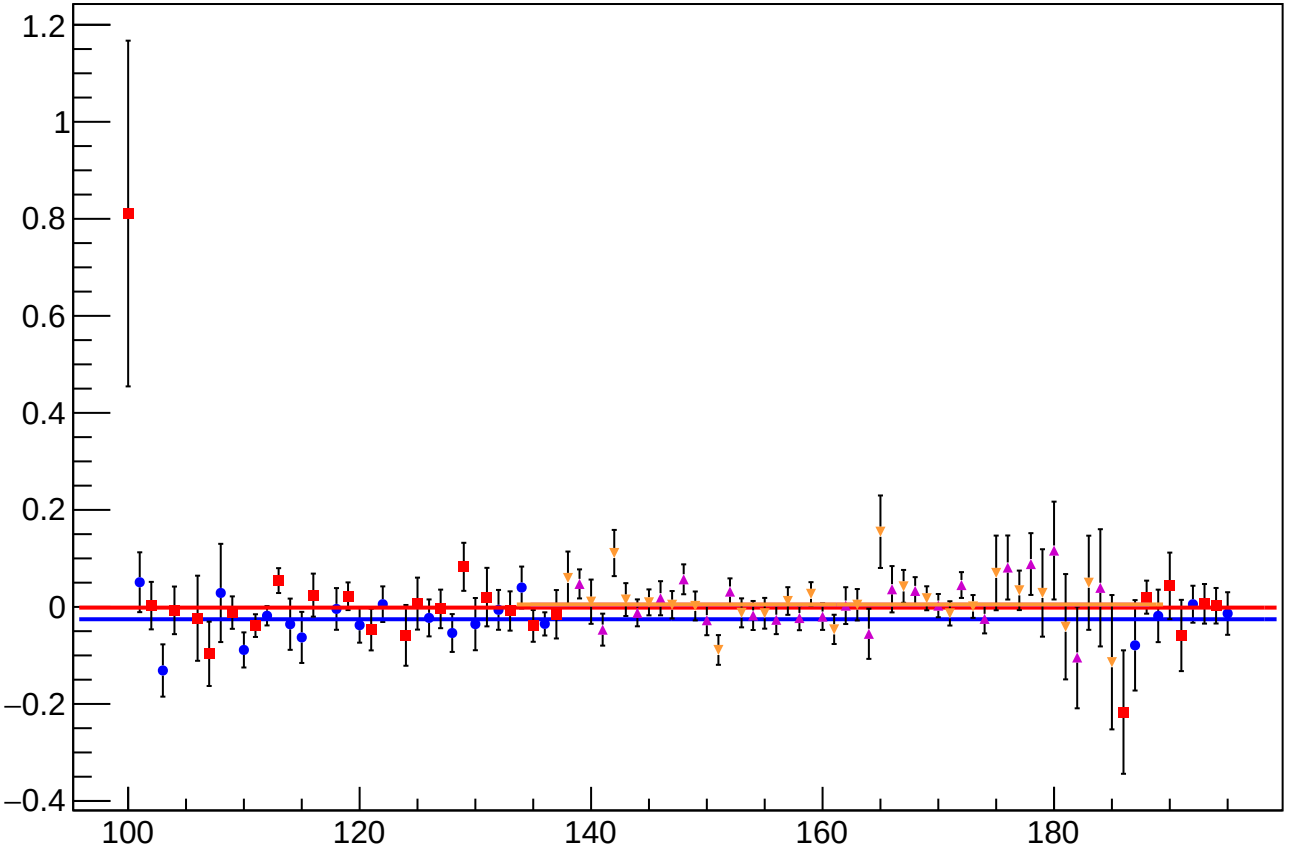
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7213524.7/44

All: 0.000+/-0.000 χ^2/NDF: 13568846.0/92

- sign 0.000+/-0.000 χ^2/NDF: 6327178.9/47

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

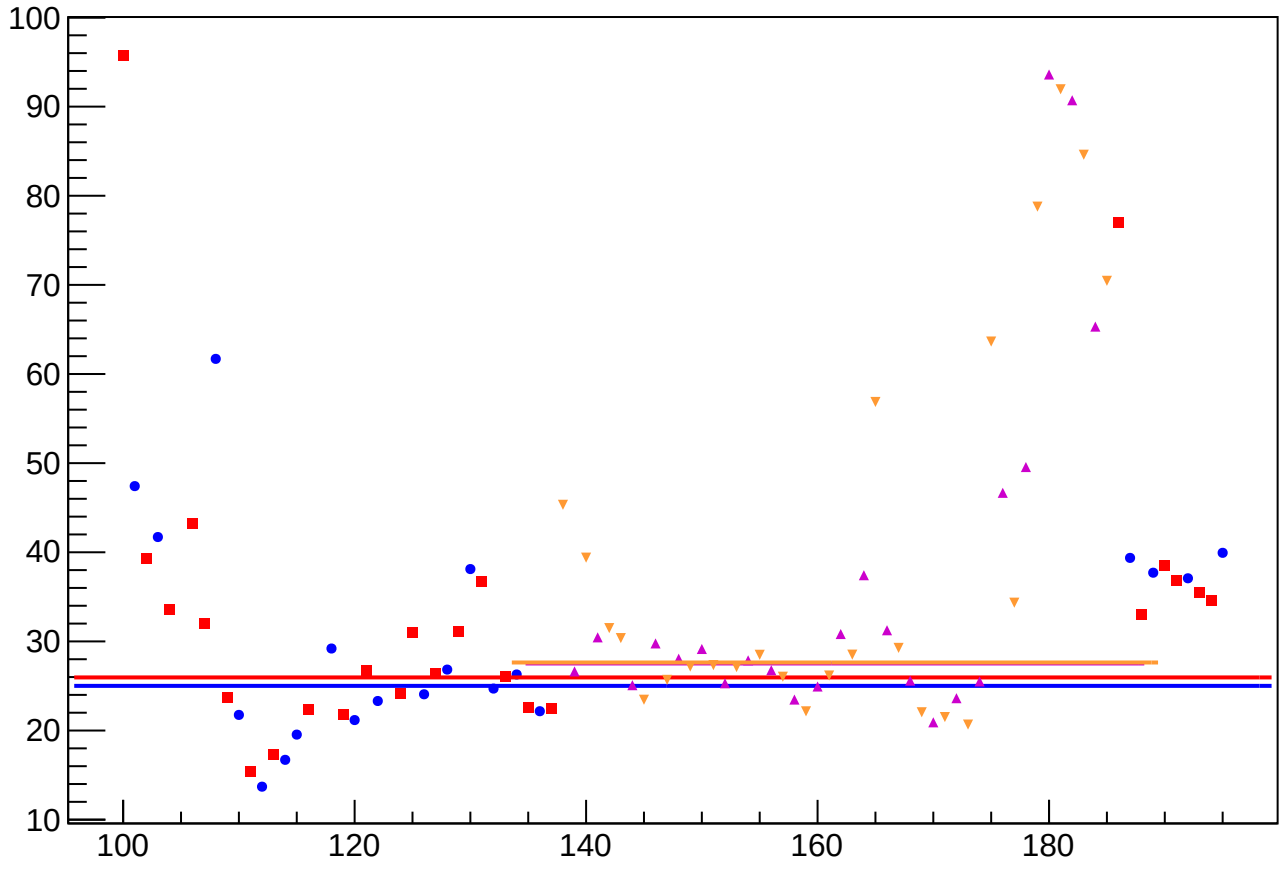
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.002+/-0.004 χ^2/NDF: 103.9/92

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

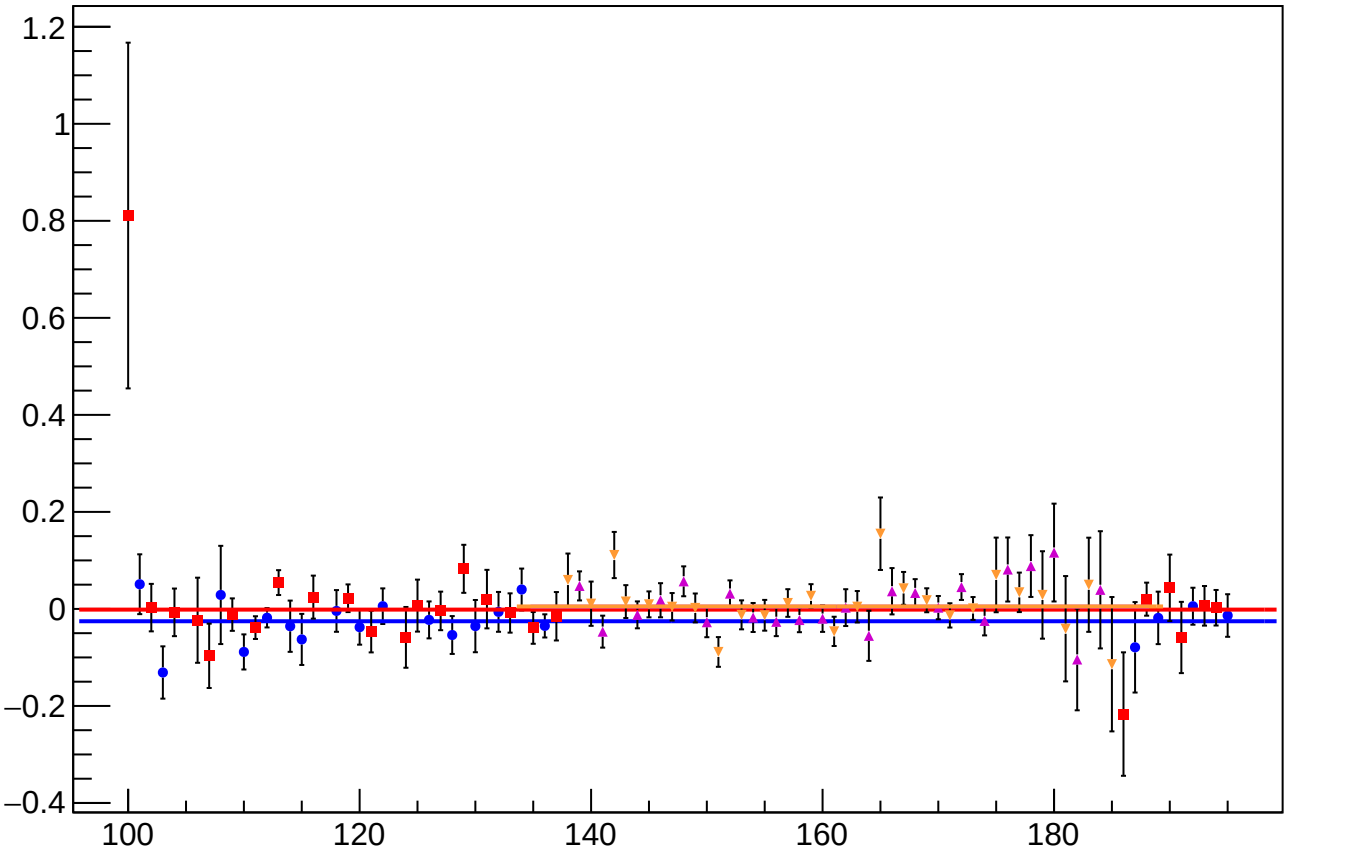
Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.641+/-0.004 χ^2/NDF: 6325140.1/44

All: 26.763+/-0.003 χ^2/NDF: 10949958.2/92

- sign 26.882+/-0.004 χ^2/NDF: 4622811.4/47



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

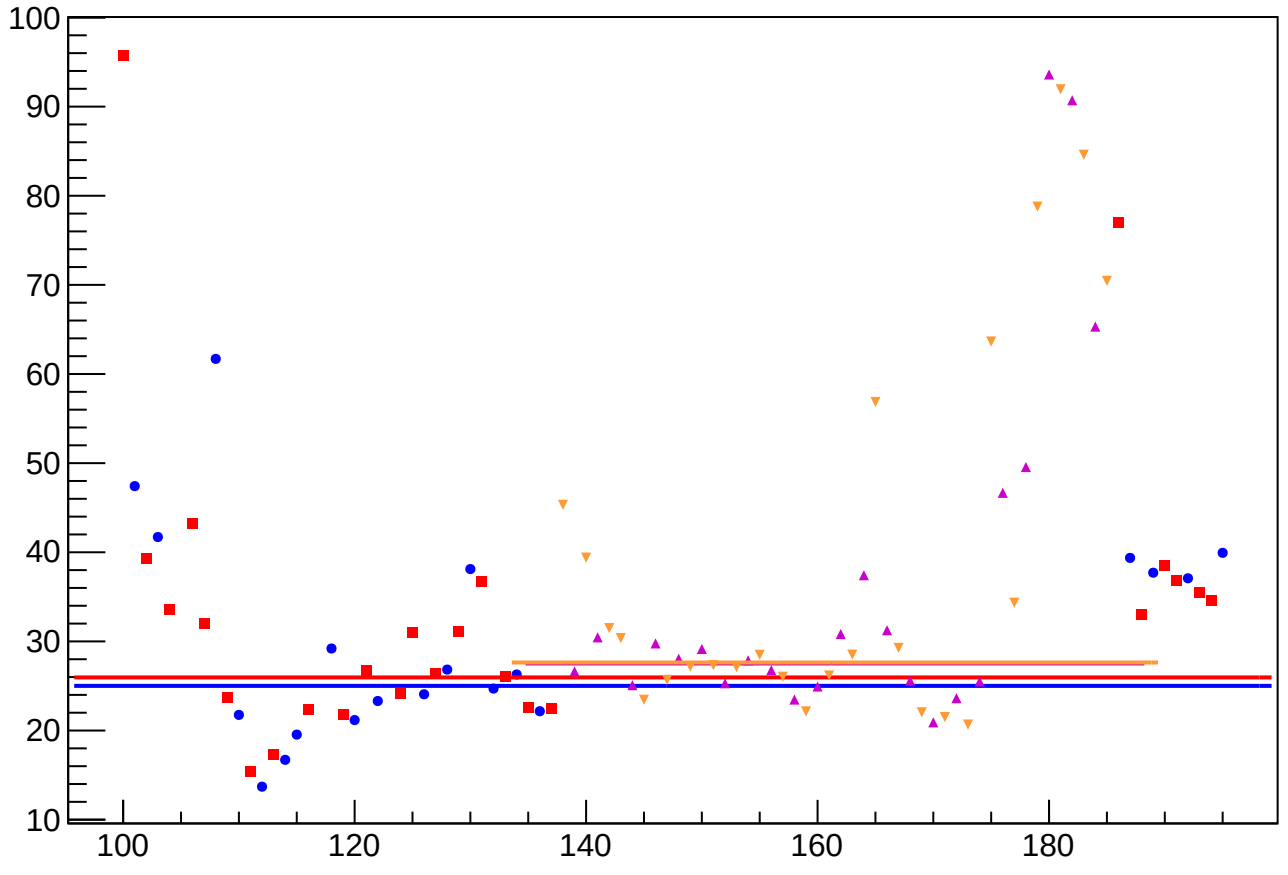
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.002+/-0.004 χ^2/NDF: 103.9/92

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

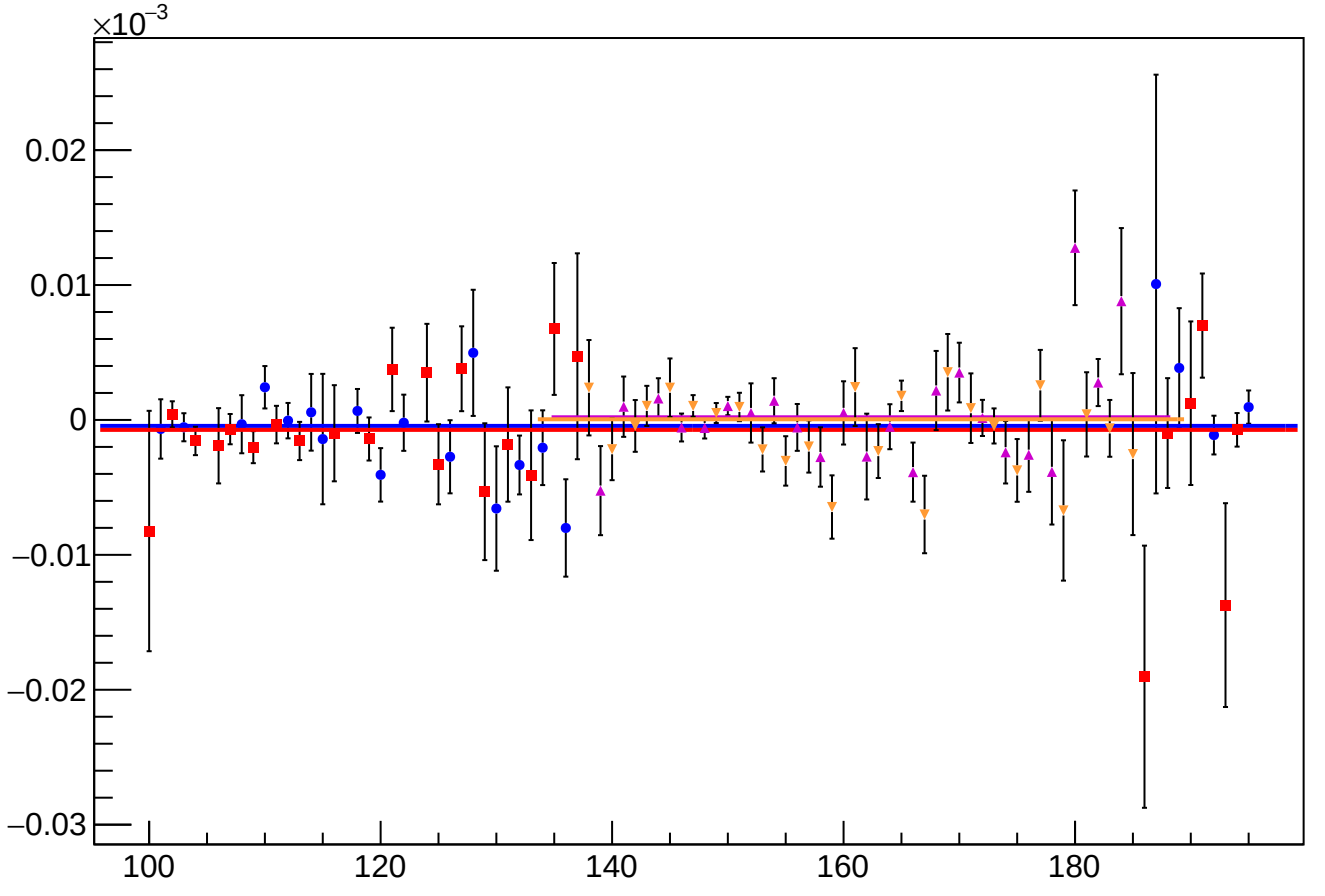
Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.641+/-0.004 χ^2/NDF: 6325140.1/44

All: 26.763+/-0.003 χ^2/NDF: 10949958.2/92

- sign 26.882+/-0.004 χ^2/NDF: 4622811.4/47



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: 25.8/24

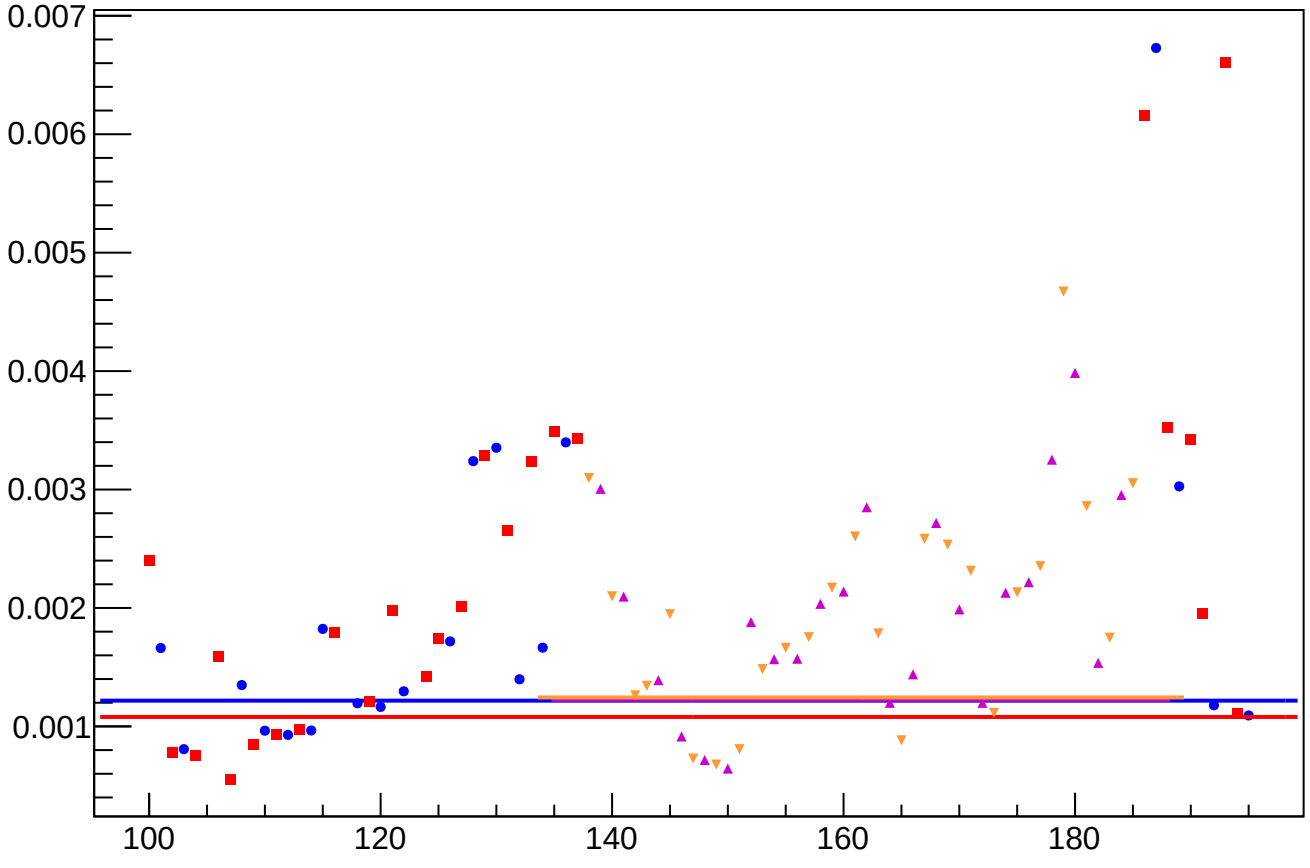
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/44

All: -0.000+/-0.000 χ^2/NDF: 120.9/92

- sign -0.000+/-0.000 χ^2/NDF: 62.4/47

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2874859.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

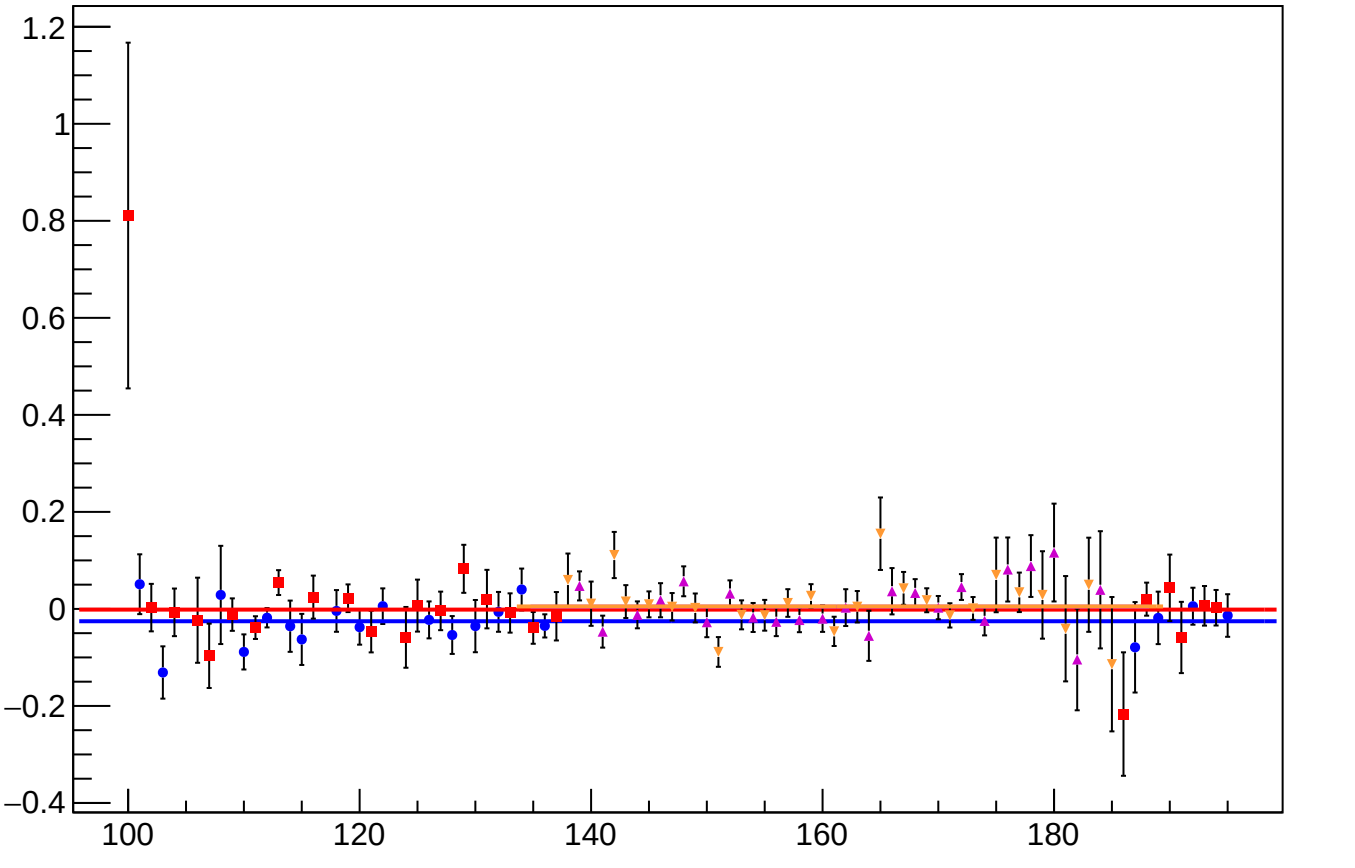
Right Out: 0.001+/-0.000 χ^2/NDF: 6085556.1/24

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11220827.5/44

All: 0.001+/-0.000 χ^2/NDF: 25365220.6/92

- sign 0.001+/-0.000 χ^2/NDF: 14069307.1/47



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

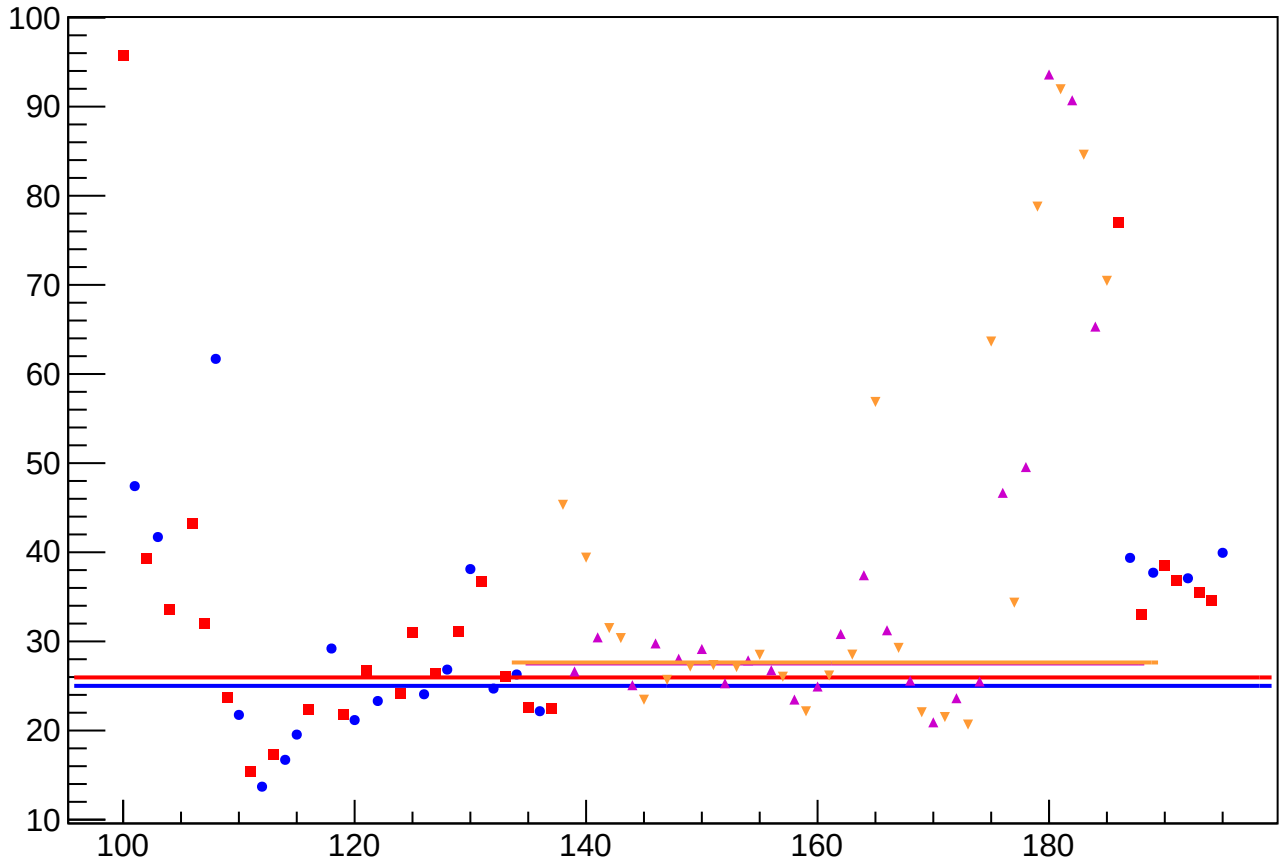
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.002+/-0.004 χ^2/NDF: 103.9/92

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

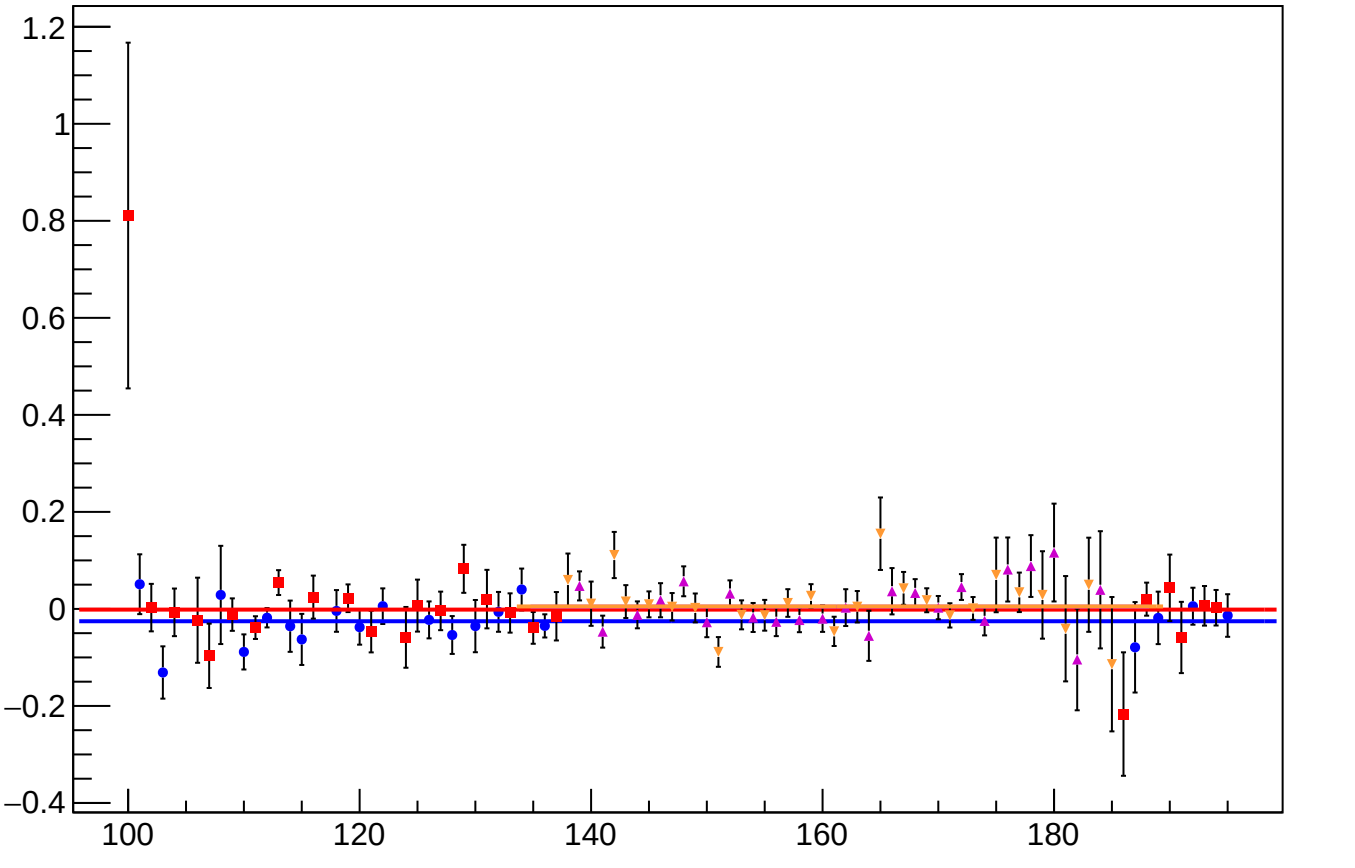
Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.642+/-0.004 χ^2/NDF: 6325141.3/44

All: 26.763+/-0.003 χ^2/NDF: 10950033.6/92

- sign 26.882+/-0.004 χ^2/NDF: 4622887.2/47



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

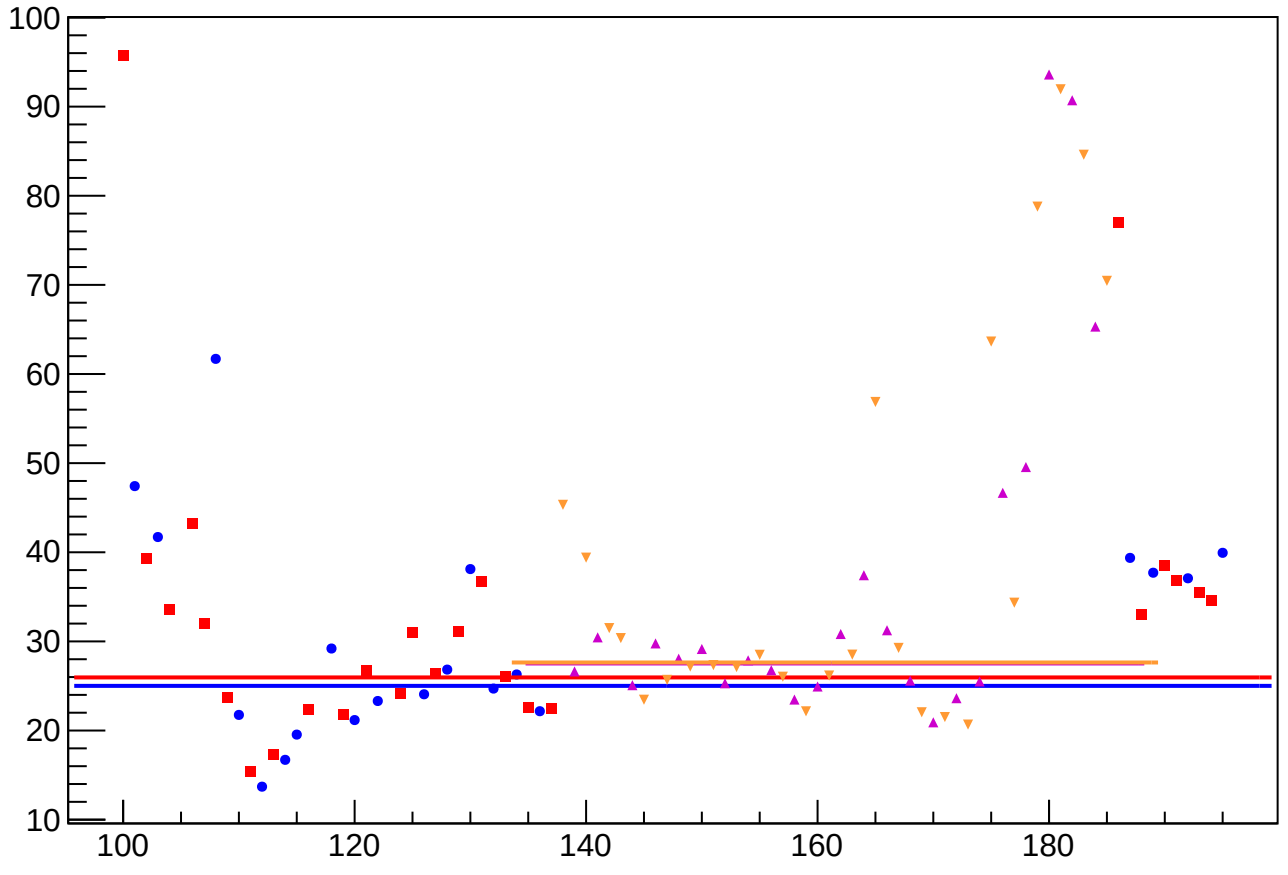
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/44

All: -0.002+/-0.004 χ^2/NDF: 103.9/92

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

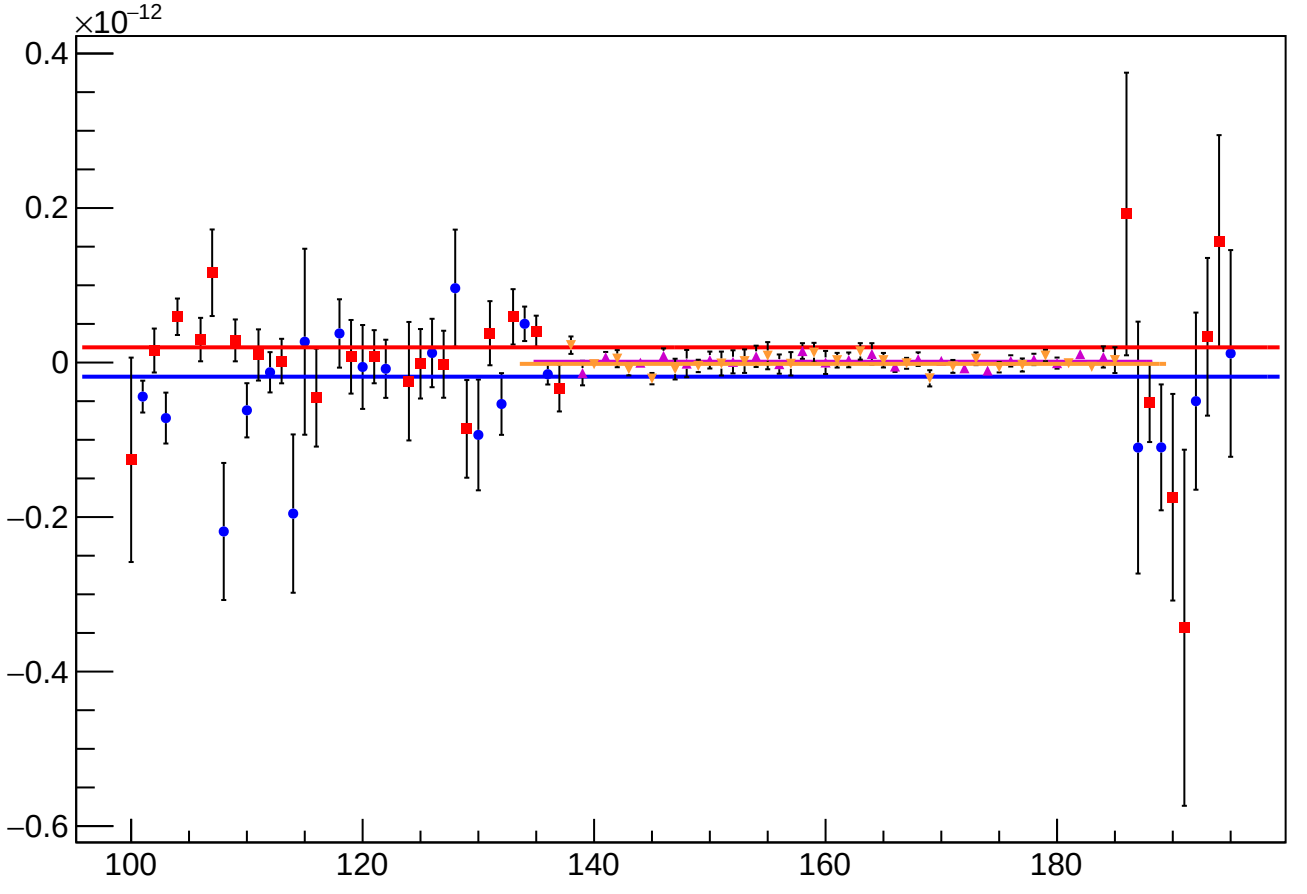
Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.642+/-0.004 χ^2/NDF: 6325141.3/44

All: 26.763+/-0.003 χ^2/NDF: 10950033.6/92

- sign 26.882+/-0.004 χ^2/NDF: 4622887.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

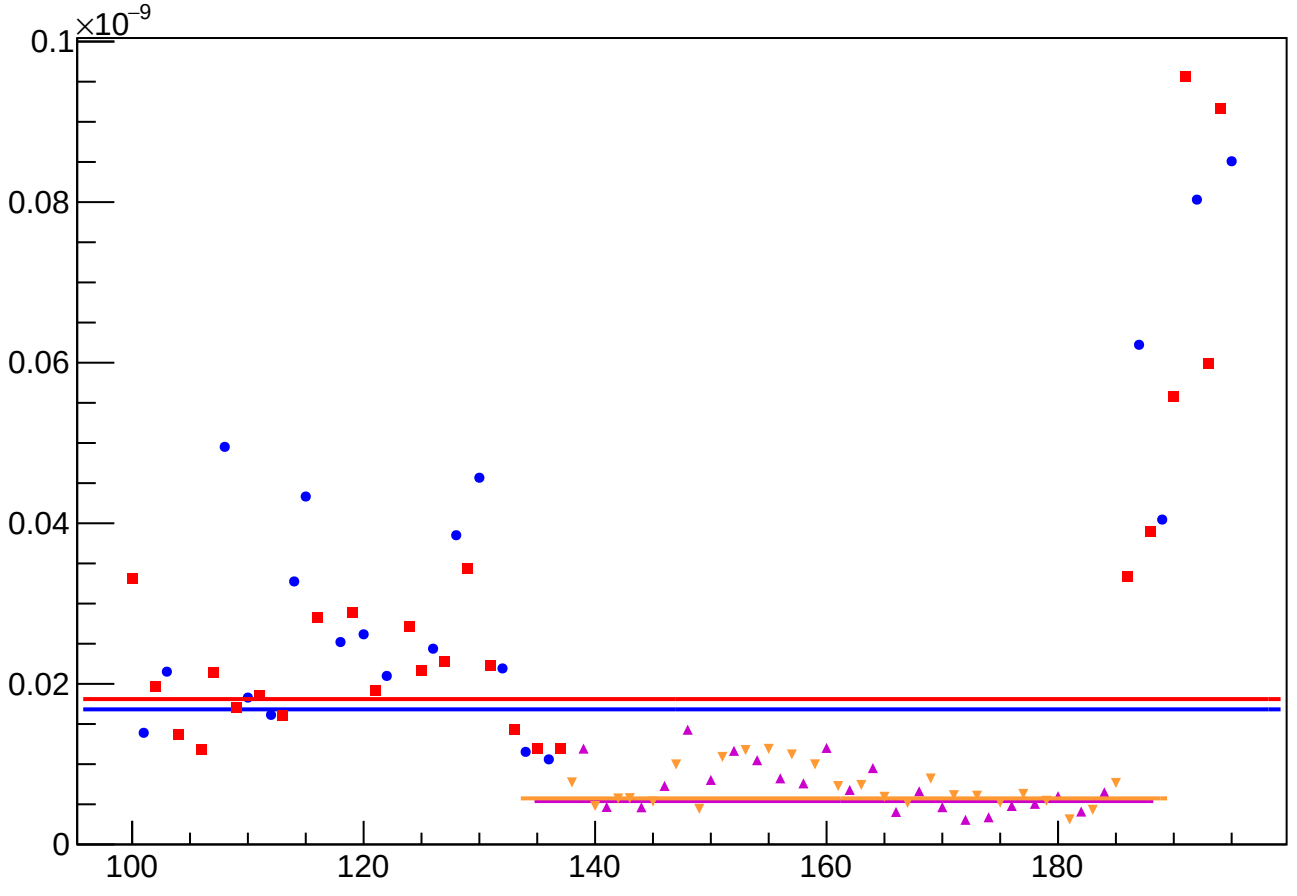
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

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: 112.4/92

- sign 0.000+/-0.000 χ^2/NDF: 48.5/47



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: 2521867.4/24

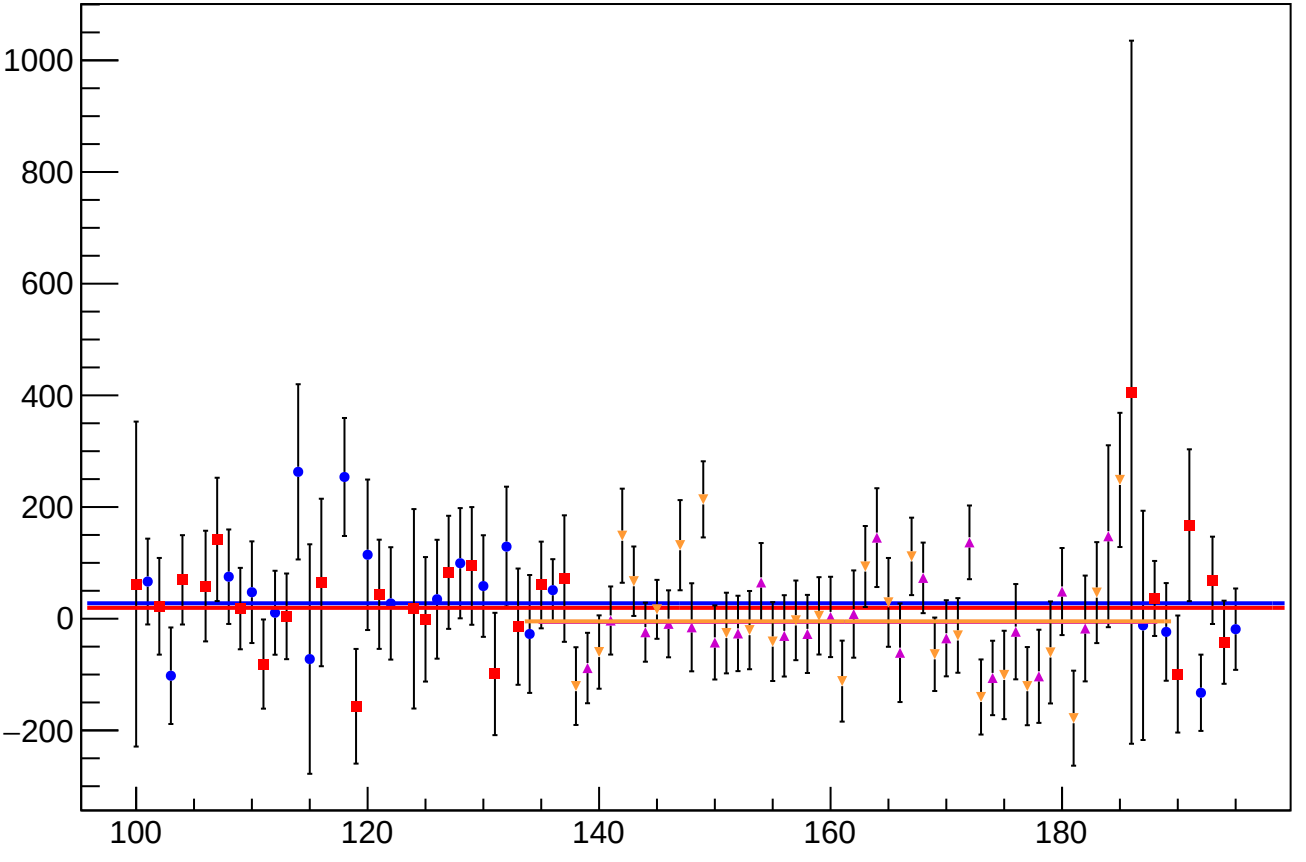
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9848791.8/44

All: 0.000+/-0.000 χ^2/NDF: 21001529.7/92

- sign 0.000+/-0.000 χ^2/NDF: 11127626.8/47

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: 19.439+/-19.331 χ^2/NDF: 13.2/24

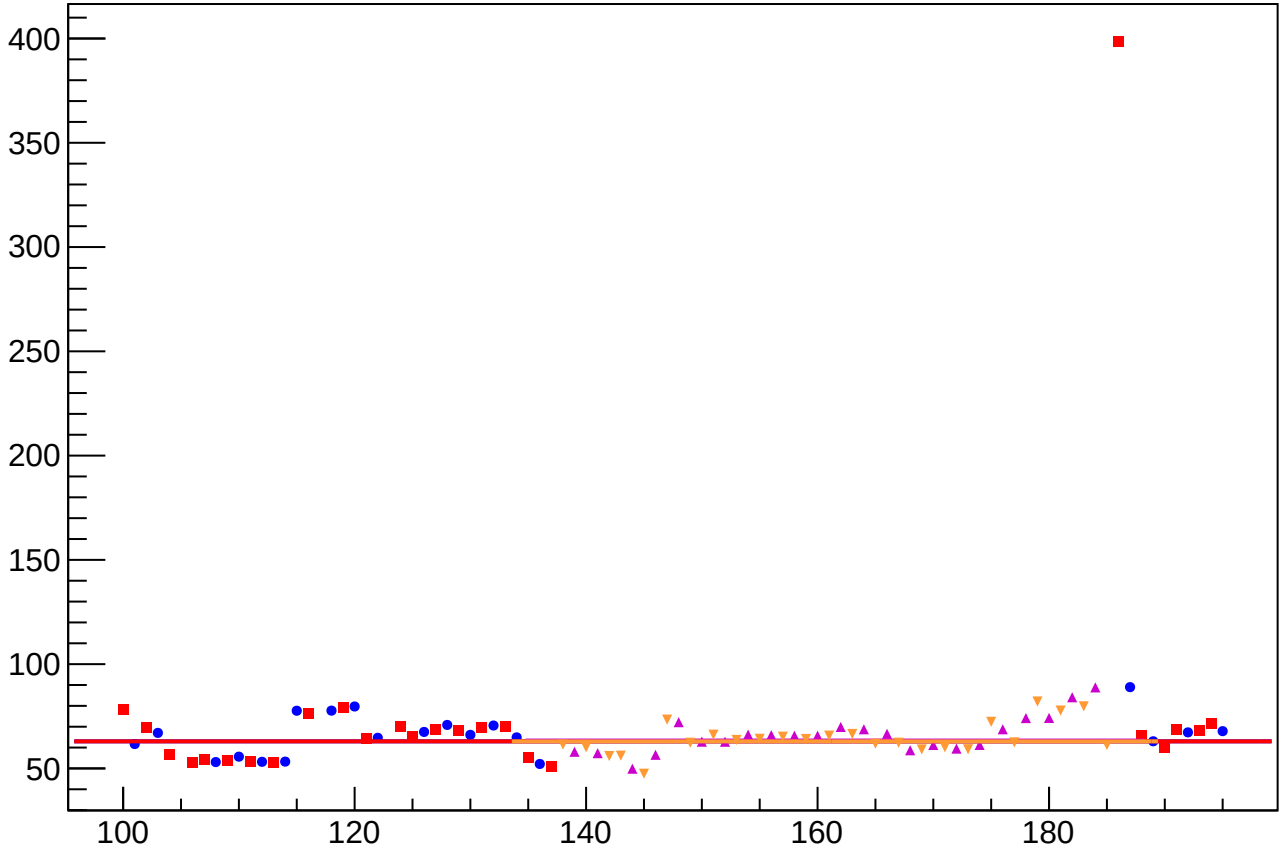
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 6.102+/-11.769 χ^2/NDF: 67.7/44

All: 4.879+/-8.339 χ^2/NDF: 100.3/92

- sign 3.645+/-11.817 χ^2/NDF: 32.6/47

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

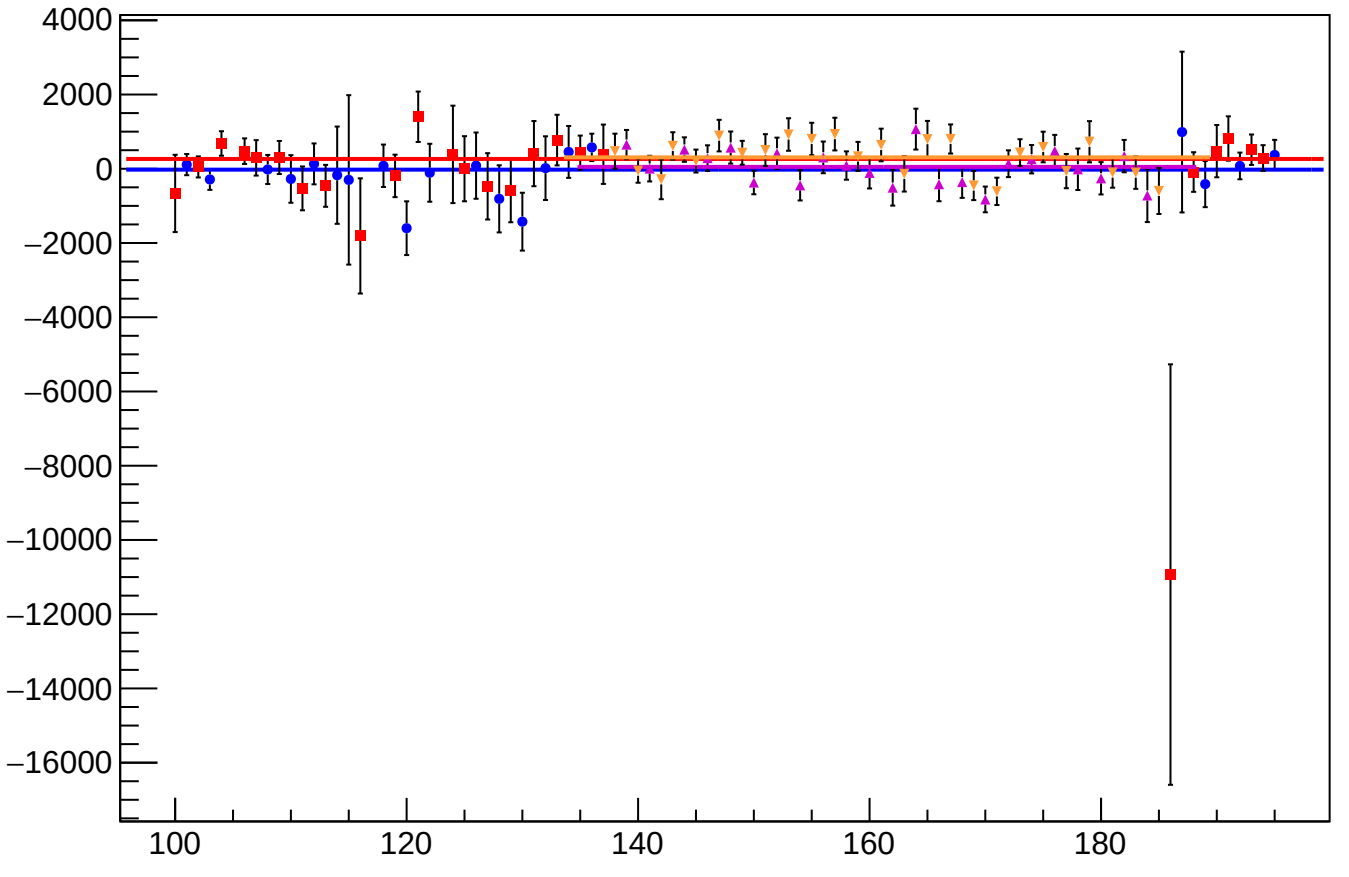
Right Out: 62.981+/-0.014 χ^2/NDF: 912297.7/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.982+/-0.008 χ^2/NDF: 849373.1/44

All: 63.101+/-0.006 χ^2/NDF: 2259505.6/92

- sign 63.222+/-0.008 χ^2/NDF: 1409719.7/47



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: 264.436+/-106.012 χ^2/NDF: 20.2/24

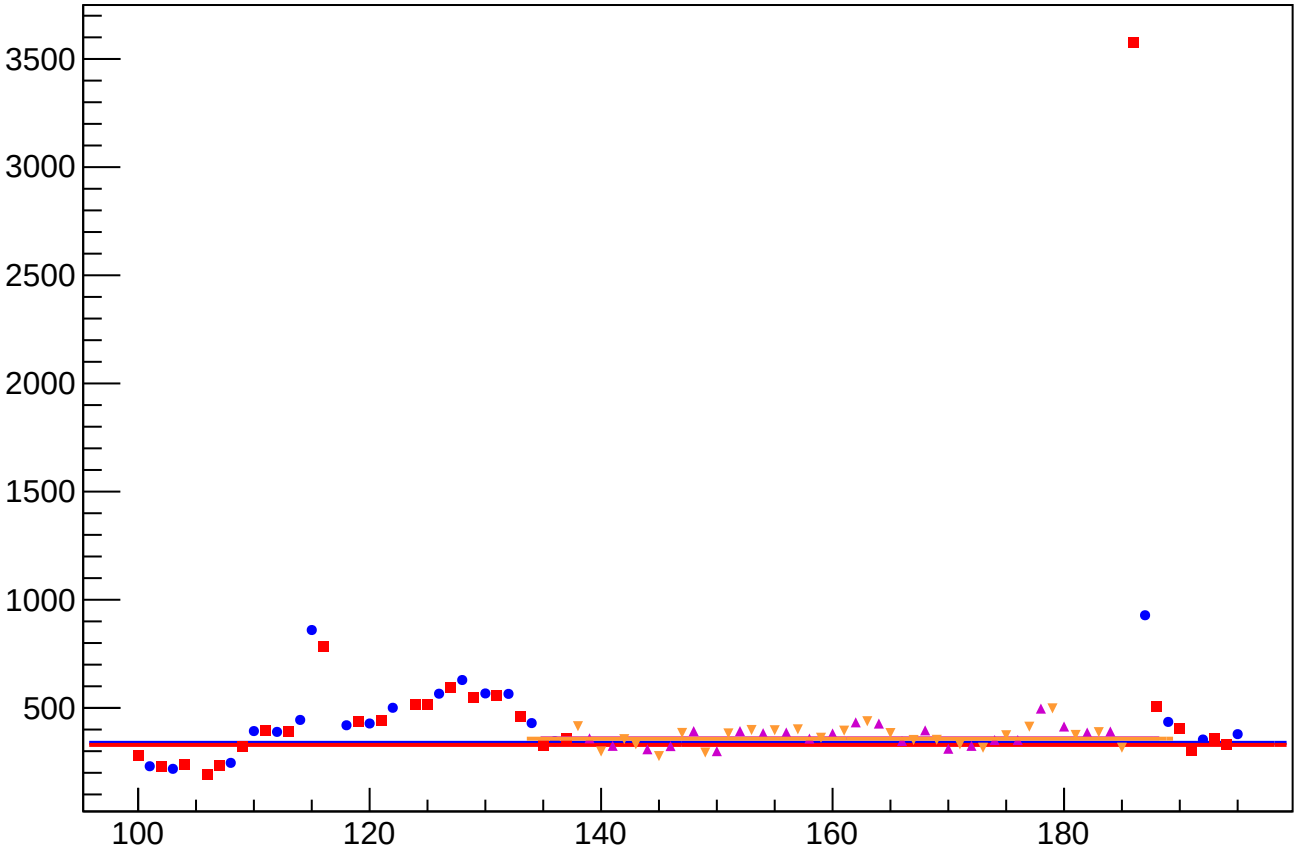
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 163.823+/-47.068 χ^2/NDF: 101.5/92

- sign 133.735+/-66.239 χ^2/NDF: 50.0/47

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: 329.031+/-0.075 χ^2/NDF: 2740474.1/24

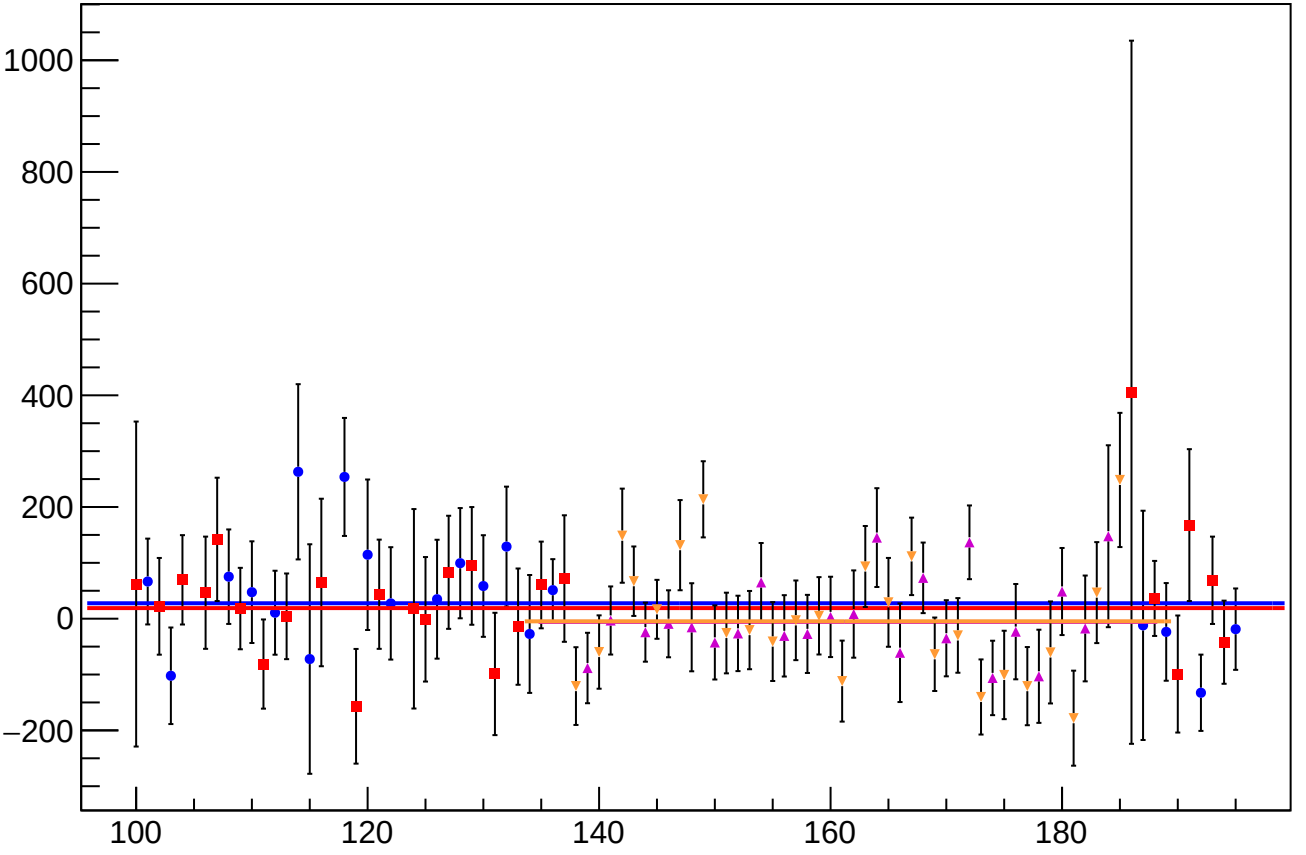
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 351.207+/-0.047 χ^2/NDF: 2692989.6/44

All: 349.342+/-0.033 χ^2/NDF: 6056023.6/92

- sign 347.513+/-0.047 χ^2/NDF: 3359955.4/47

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: 18.954+/-19.341 χ^2/NDF: 13.1/24

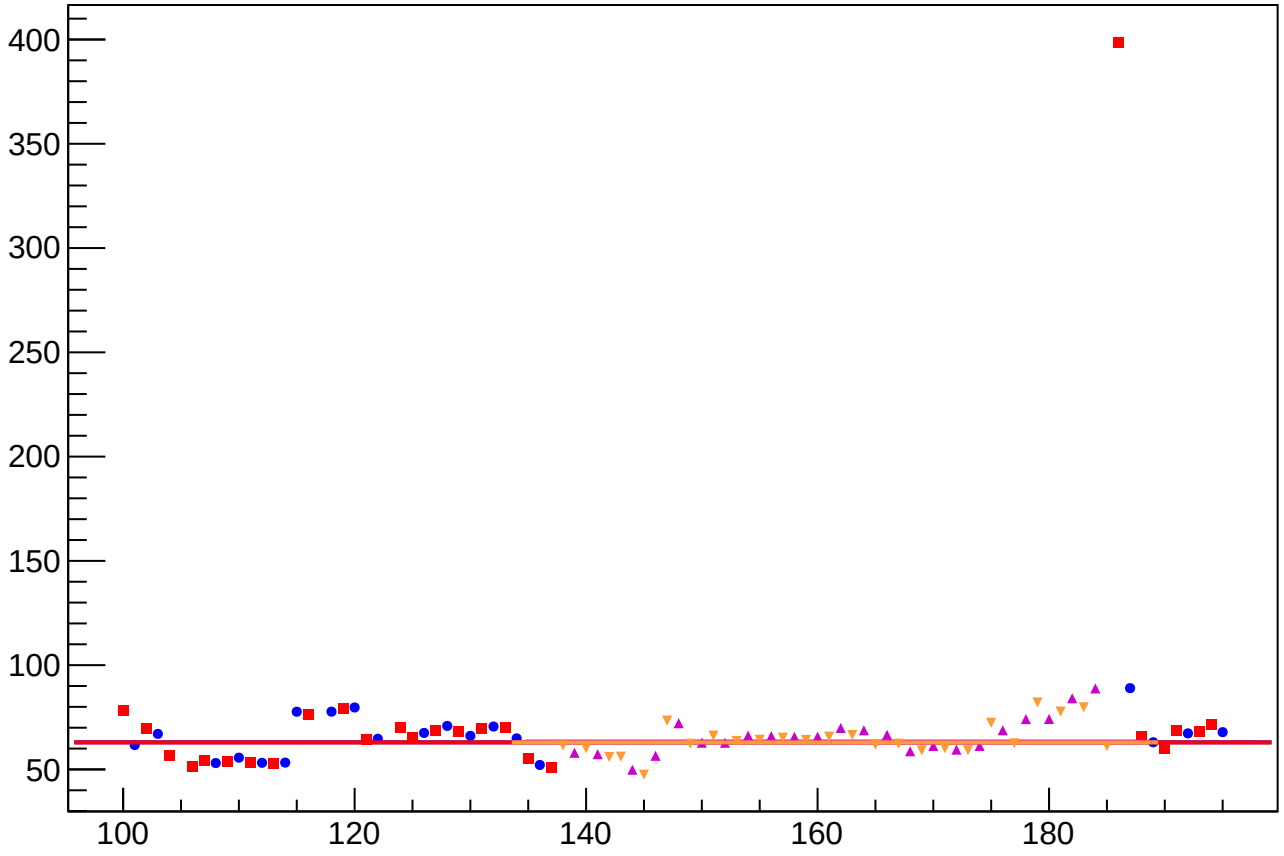
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.096+/-11.769 χ^2/NDF: 67.7/44

All: 4.783+/-8.339 χ^2/NDF: 100.2/92

- sign 3.459+/-11.819 χ^2/NDF: 32.5/47

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: 62.953+/-0.014 χ^2/NDF: 916317.8/24

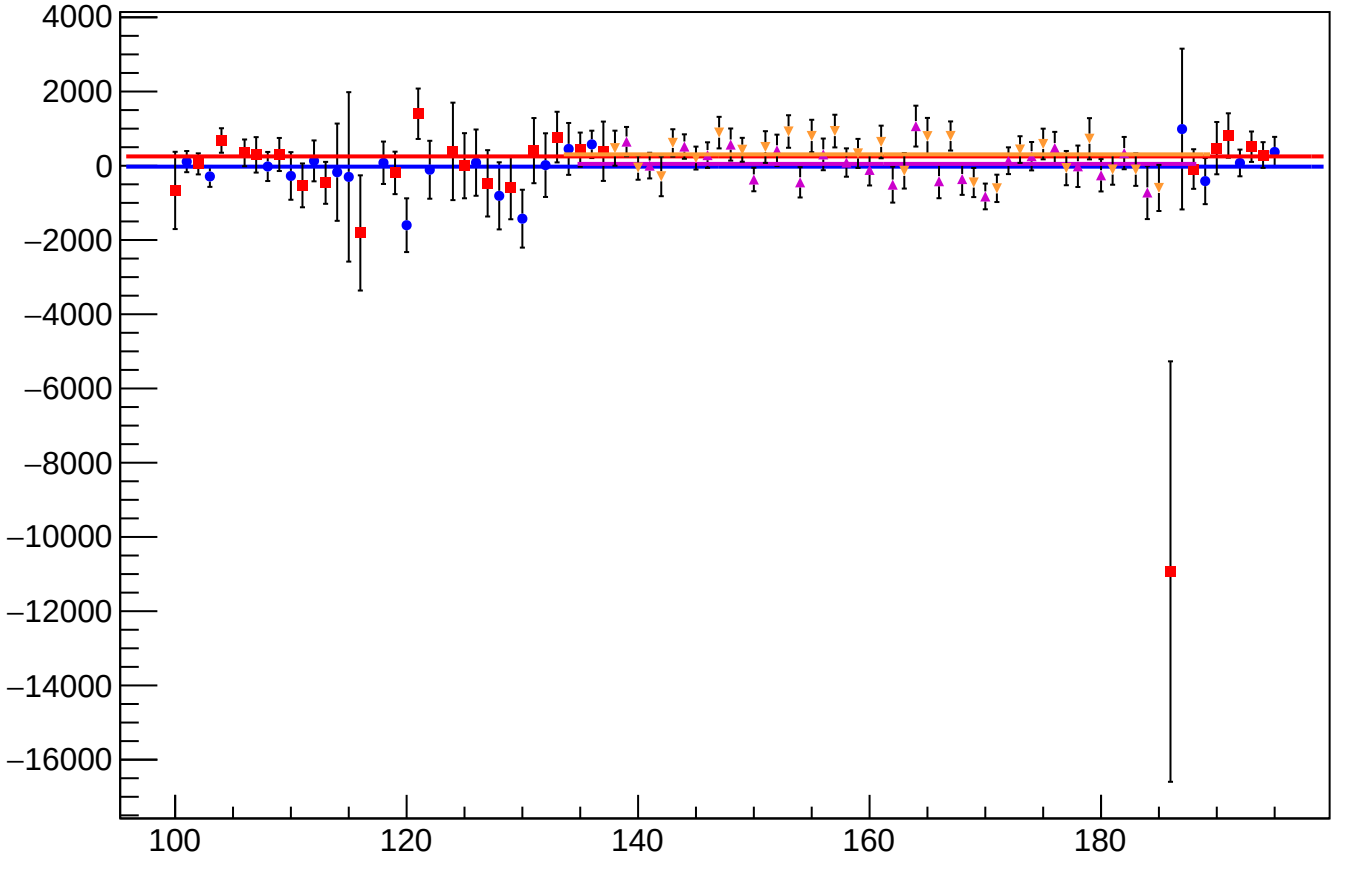
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.982+/-0.008 χ^2/NDF: 849373.3/44

All: 63.096+/-0.006 χ^2/NDF: 2263565.1/92

\- sign 63.211+/-0.008 χ^2/NDF: 1413813.8/47

asym_sam_37_48_dd_cor_correction_mean vs Slug



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: 251.855+/-106.462 χ^2/NDF: 19.9/24

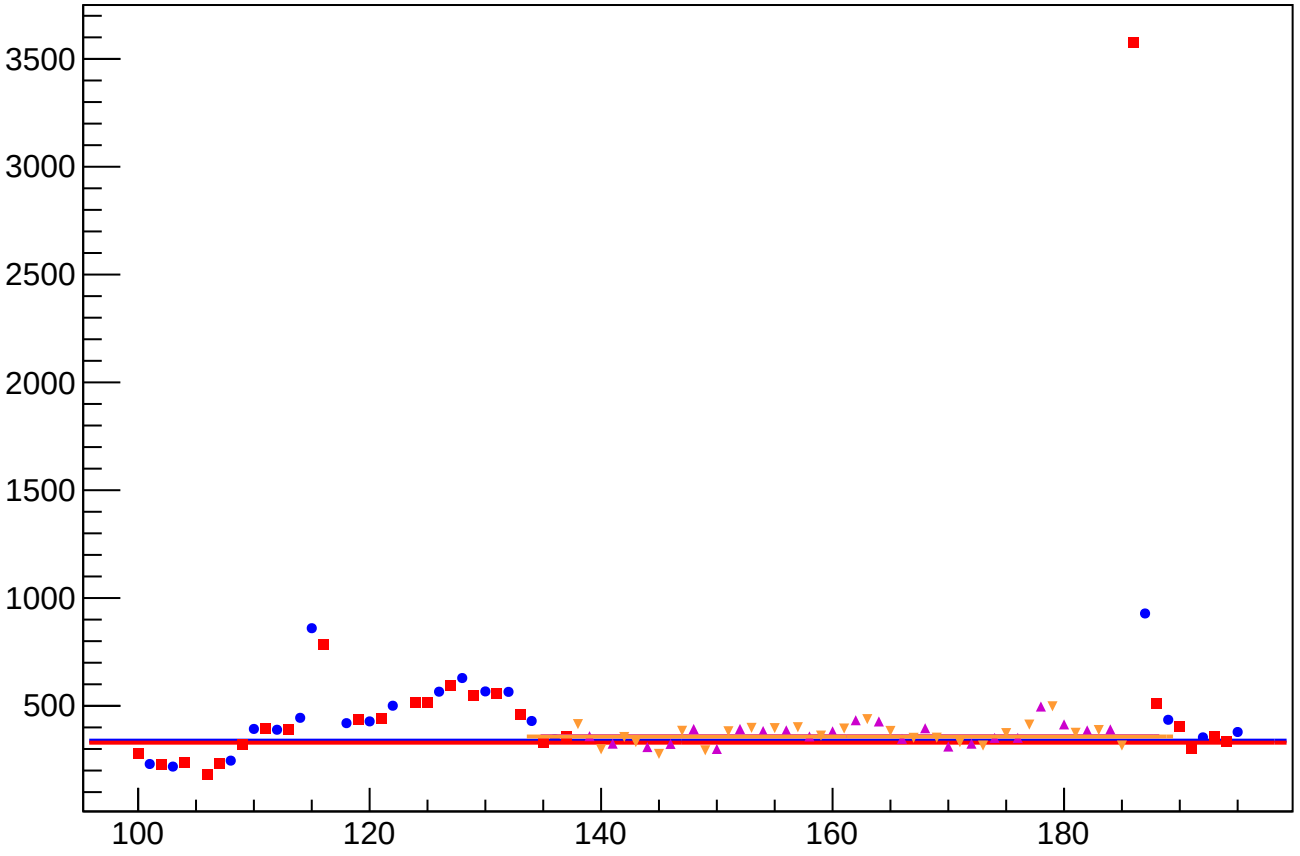
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 161.192+/-47.107 χ^2/NDF: 100.9/92

- sign 128.416+/-66.348 χ^2/NDF: 49.4/47

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: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

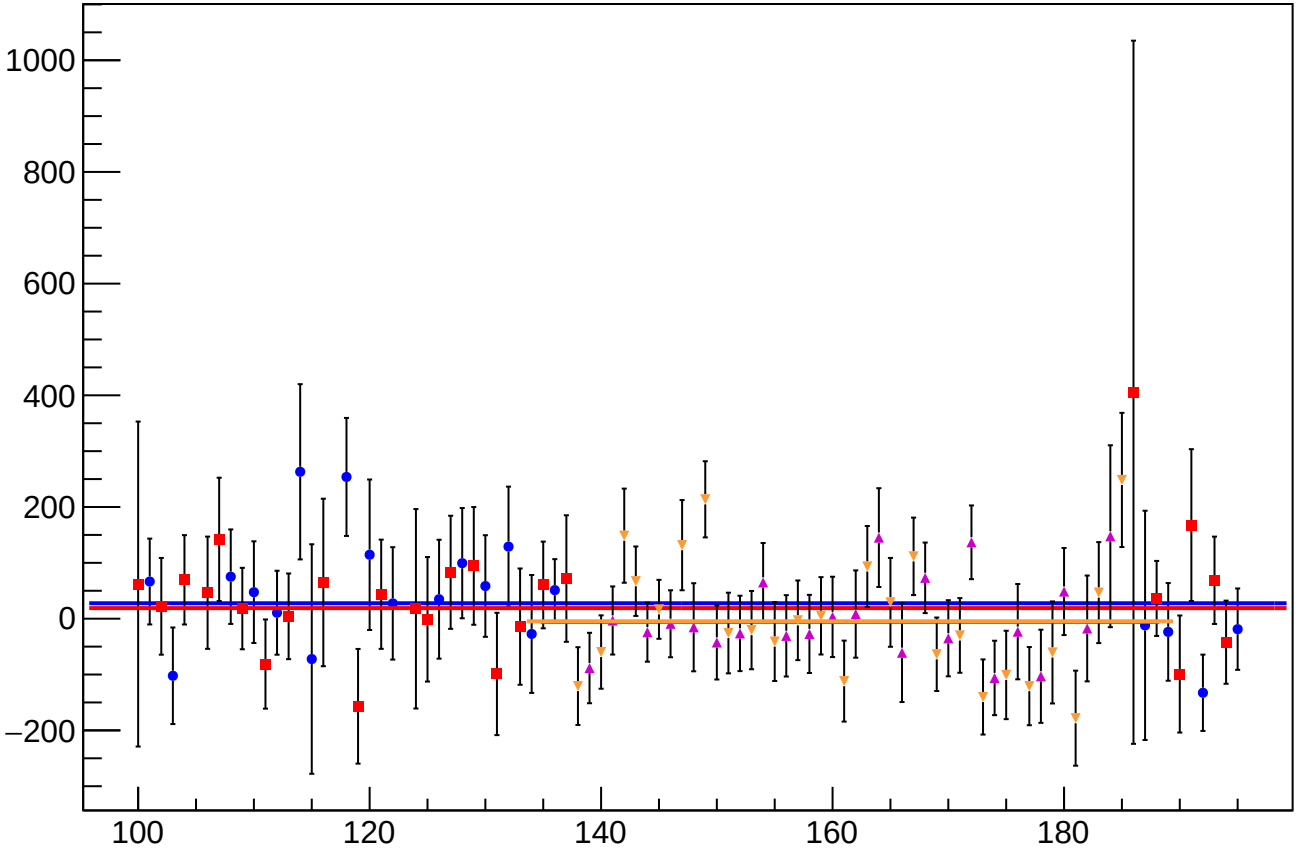
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.208+/-0.047 χ^2/NDF: 2692906.3/44

All: 349.429+/-0.033 χ^2/NDF: 6070696.3/92

- sign 347.680+/-0.047 χ^2/NDF: 3374985.7/47

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: 18.954+/-19.341 χ^2/NDF: 13.1/24

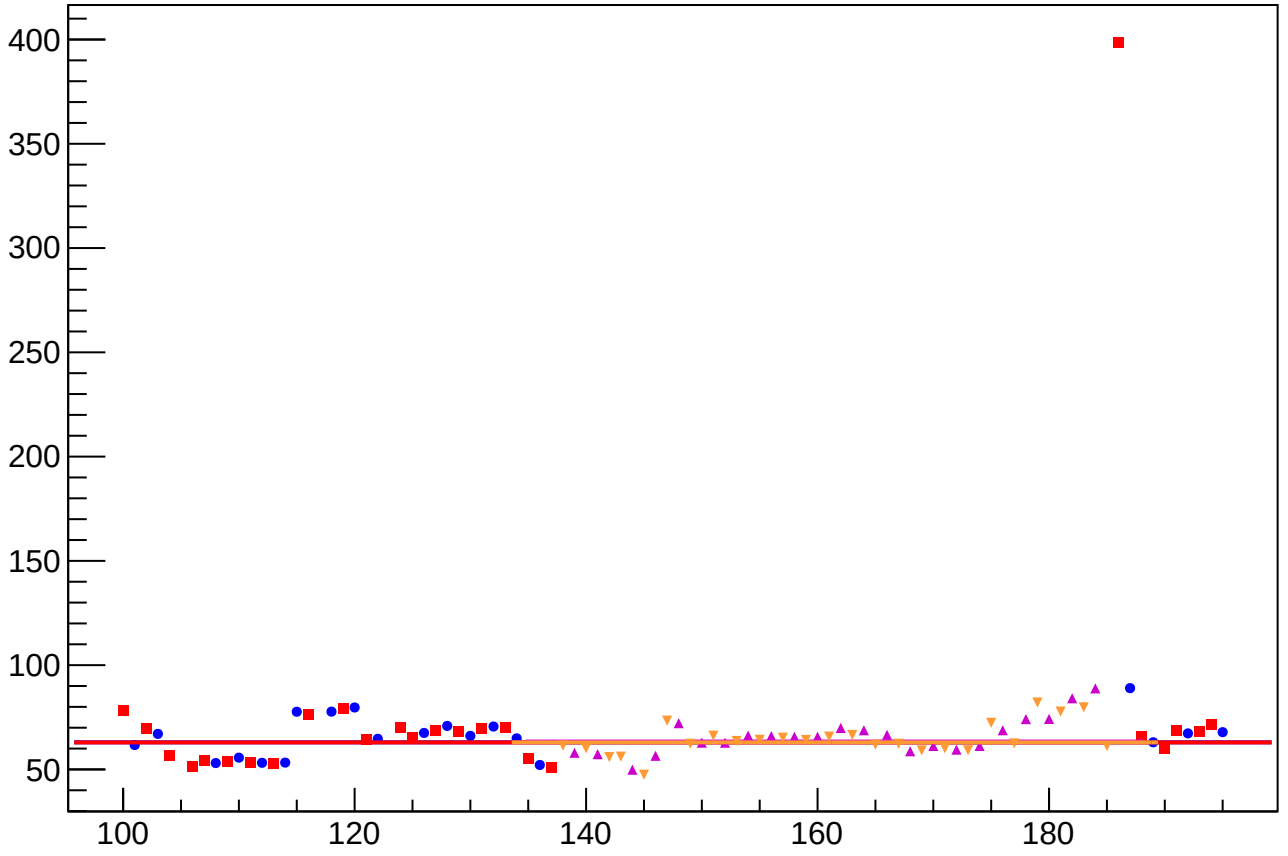
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.096+/-11.769 χ^2/NDF: 67.7/44

All: 4.783+/-8.339 χ^2/NDF: 100.2/92

- sign 3.459+/-11.819 χ^2/NDF: 32.5/47

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

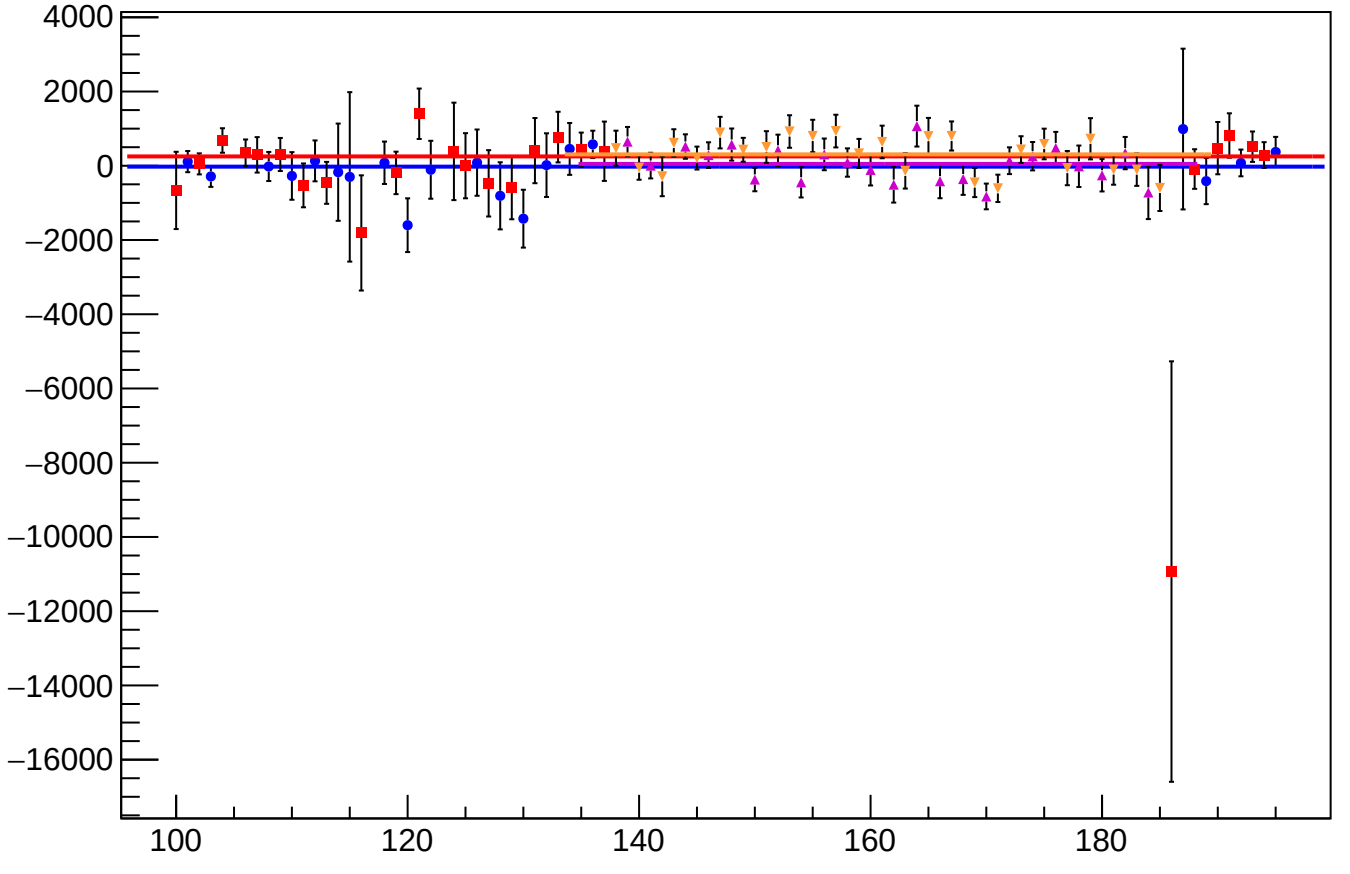
Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.982+/-0.008 χ^2/NDF: 849373.3/44

All: 63.096+/-0.006 χ^2/NDF: 2263565.1/92

\- sign 63.211+/-0.008 χ^2/NDF: 1413813.8/47



Right In: -23.885+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

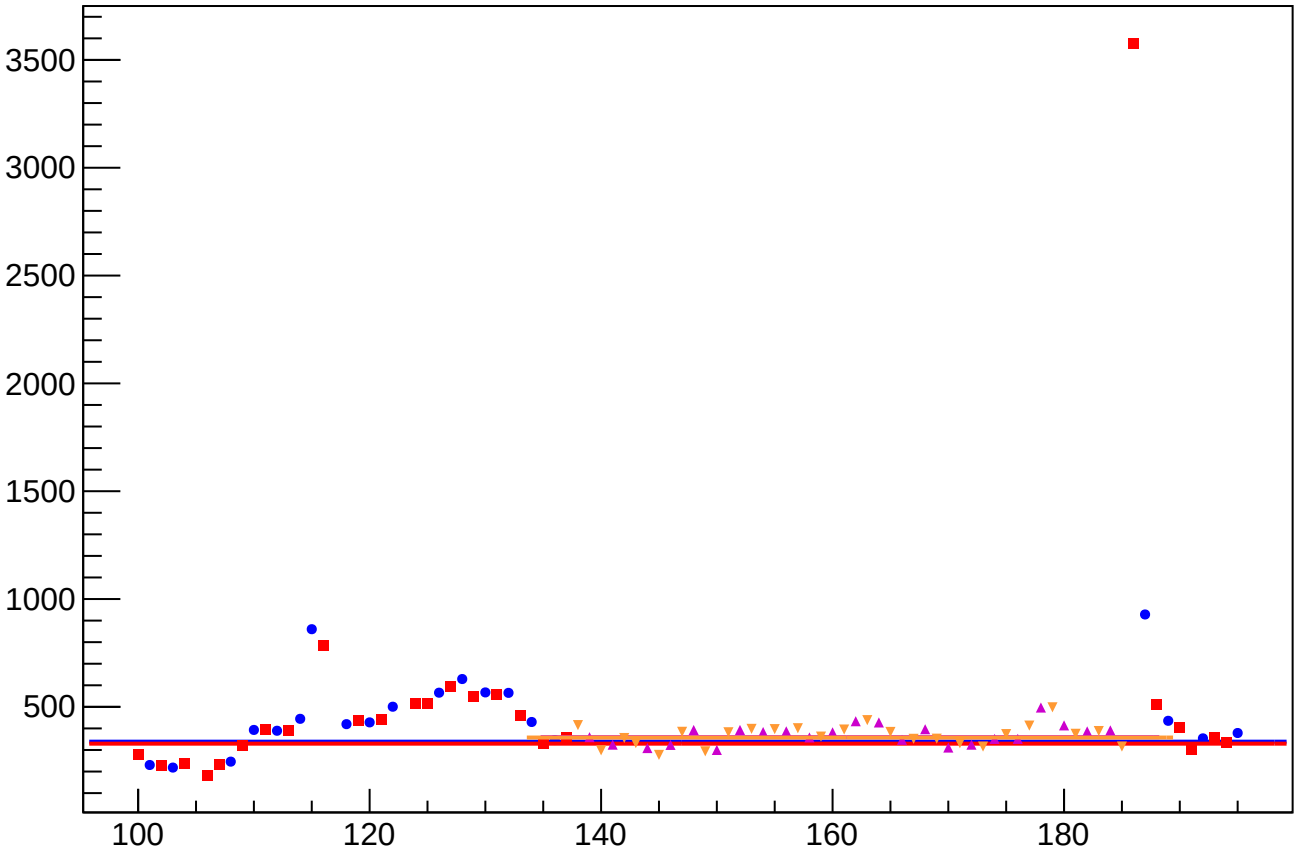
Right Out: 251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 194.510+/-66.894 χ^2/NDF: 51.1/44

All: 161.192+/-47.107 χ^2/NDF: 100.9/92

\- sign 128.416+/-66.348 χ^2/NDF: 49.4/47



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: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

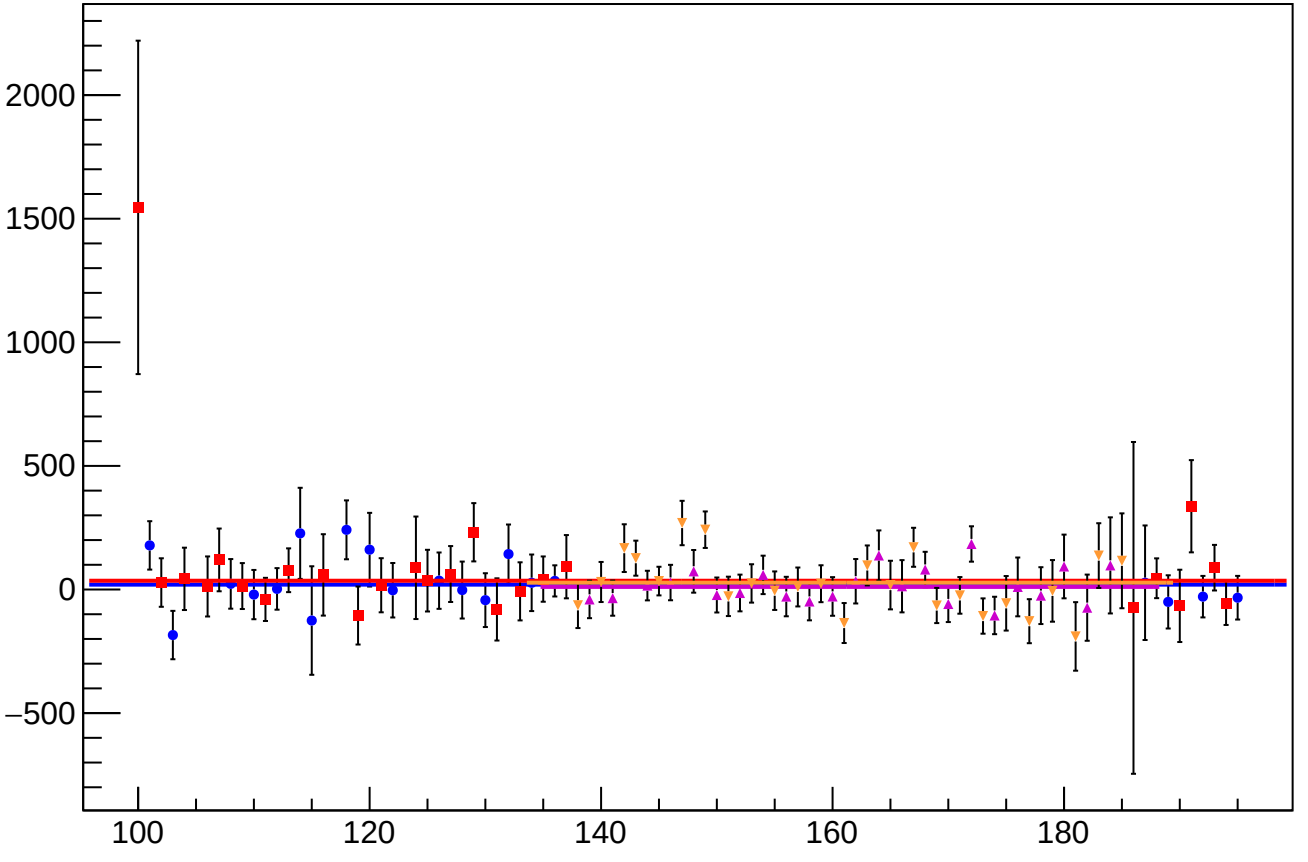
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.208+/-0.047 χ^2/NDF: 2692906.3/44

All: 349.429+/-0.033 χ^2/NDF: 6070696.3/92

- sign 347.680+/-0.047 χ^2/NDF: 3374985.7/47

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: 35.471+/-22.955 χ^2/NDF: 16.6/24

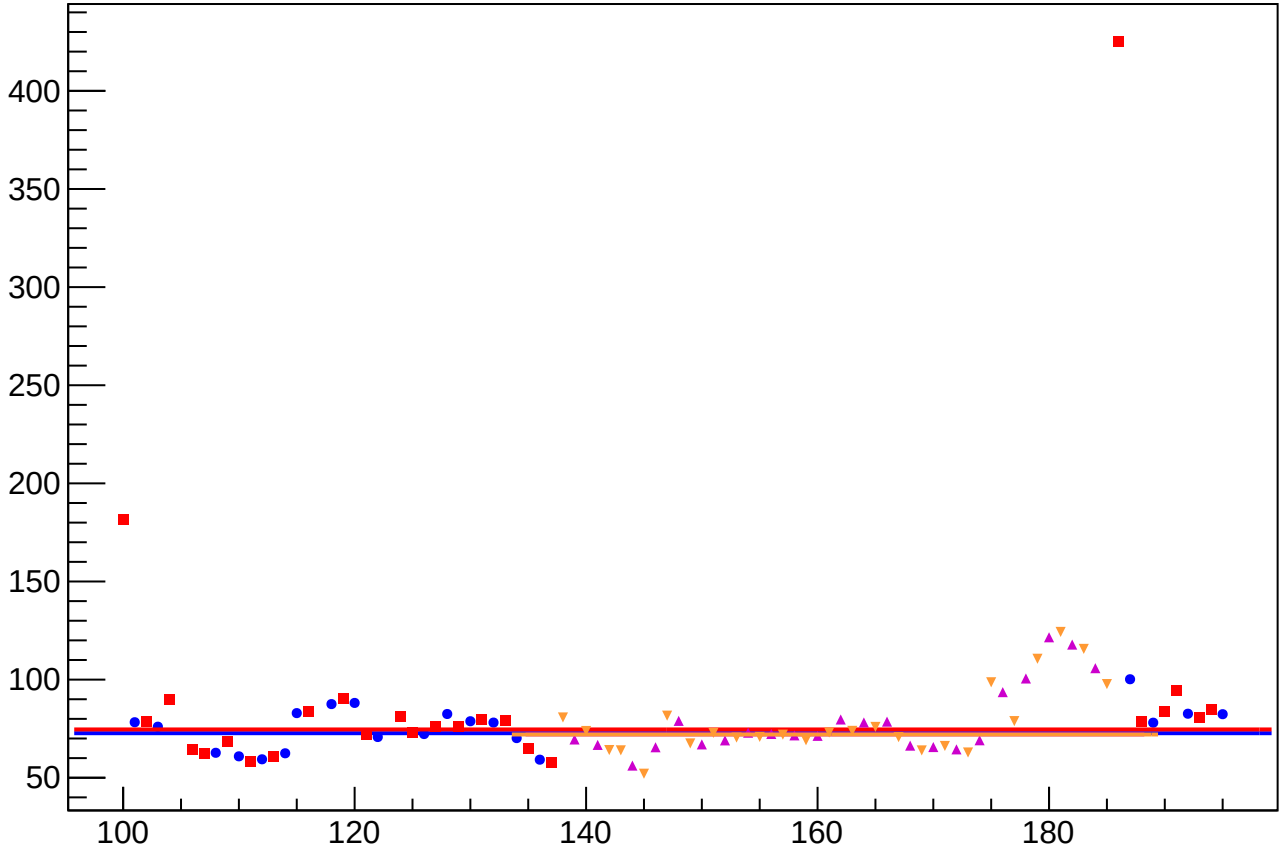
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.974+/-13.639 χ^2/NDF: 58.4/44

All: 22.269+/-9.693 χ^2/NDF: 91.9/92

- sign 19.509+/-13.777 χ^2/NDF: 33.4/47

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

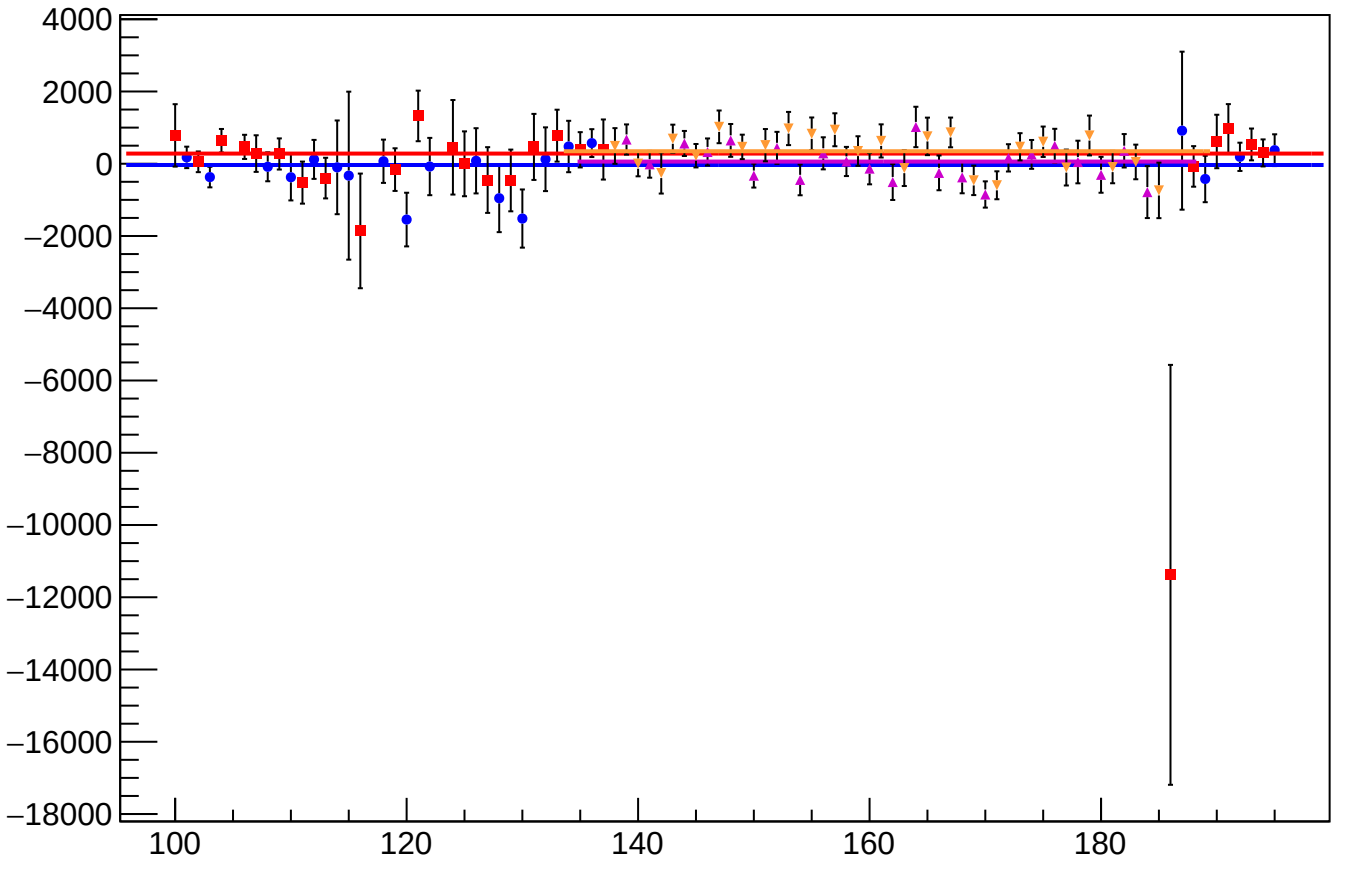
Right Out: 74.609+/-0.016 χ^2/NDF: 969990.7/24

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.262+/-0.010 χ^2/NDF: 1643278.3/44

All: 72.626+/-0.007 χ^2/NDF: 3690400.5/92

- sign 72.999+/-0.010 χ^2/NDF: 2044230.1/47



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: 281.268+/-108.317 χ^2/NDF: 18.5/24

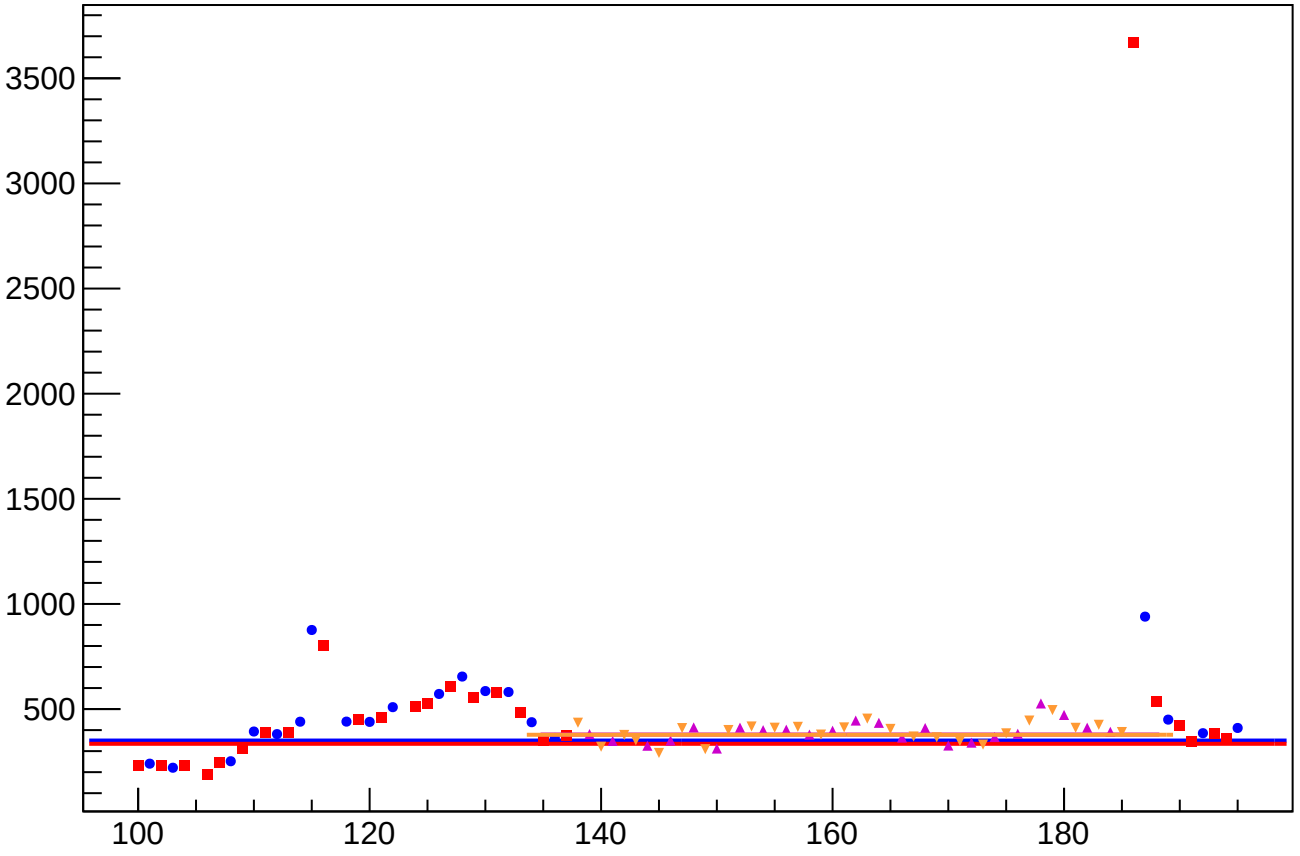
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 213.299+/-70.078 χ^2/NDF: 51.2/44

All: 180.942+/-49.150 χ^2/NDF: 98.5/92

- sign 149.615+/-68.954 χ^2/NDF: 46.8/47

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: 334.818+/-0.077 χ^2/NDF: 2946753.5/24

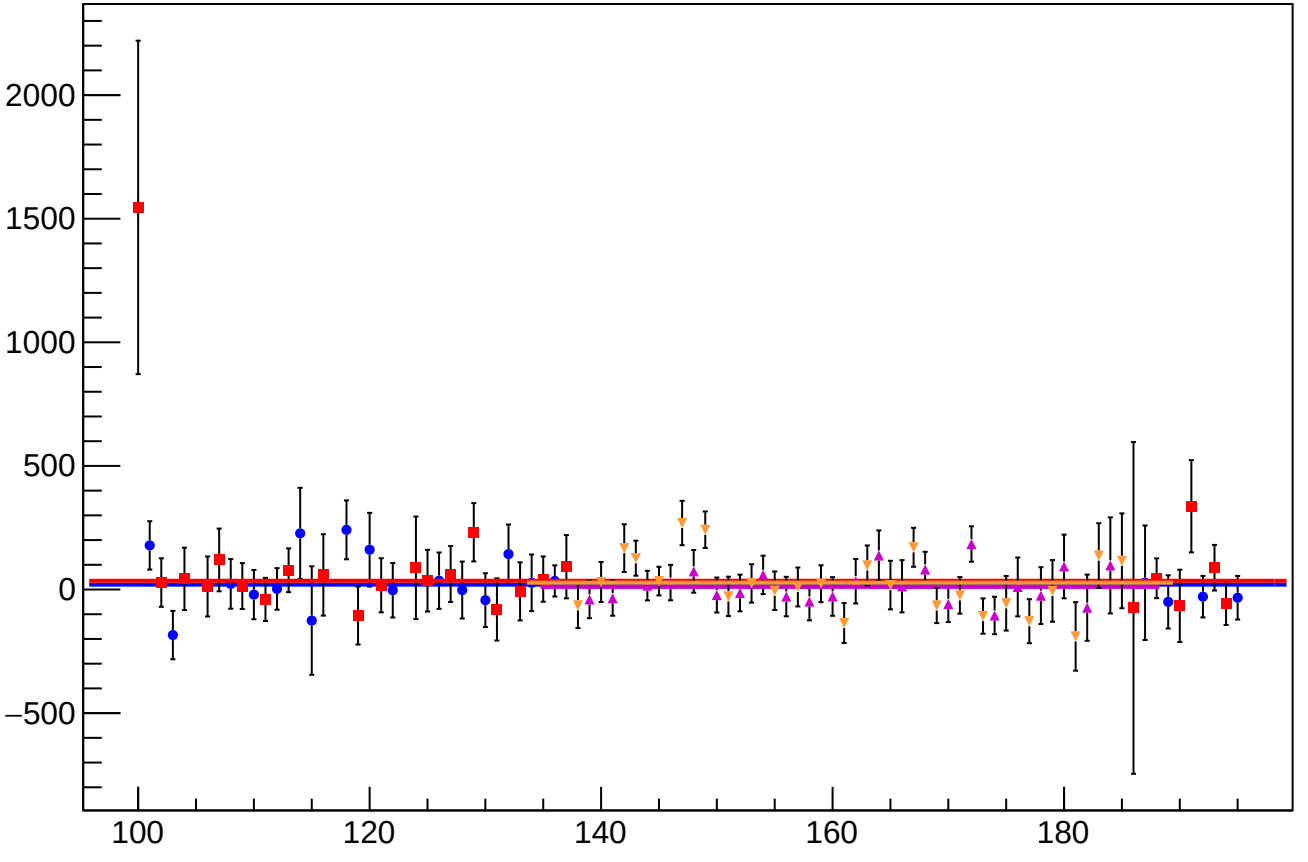
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 368.232+/-0.050 χ^2/NDF: 2711814.2/44

All: 364.566+/-0.035 χ^2/NDF: 6393764.4/92

- sign 361.017+/-0.049 χ^2/NDF: 3671179.0/47

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: 35.471+/-22.955 χ^2/NDF: 16.6/24

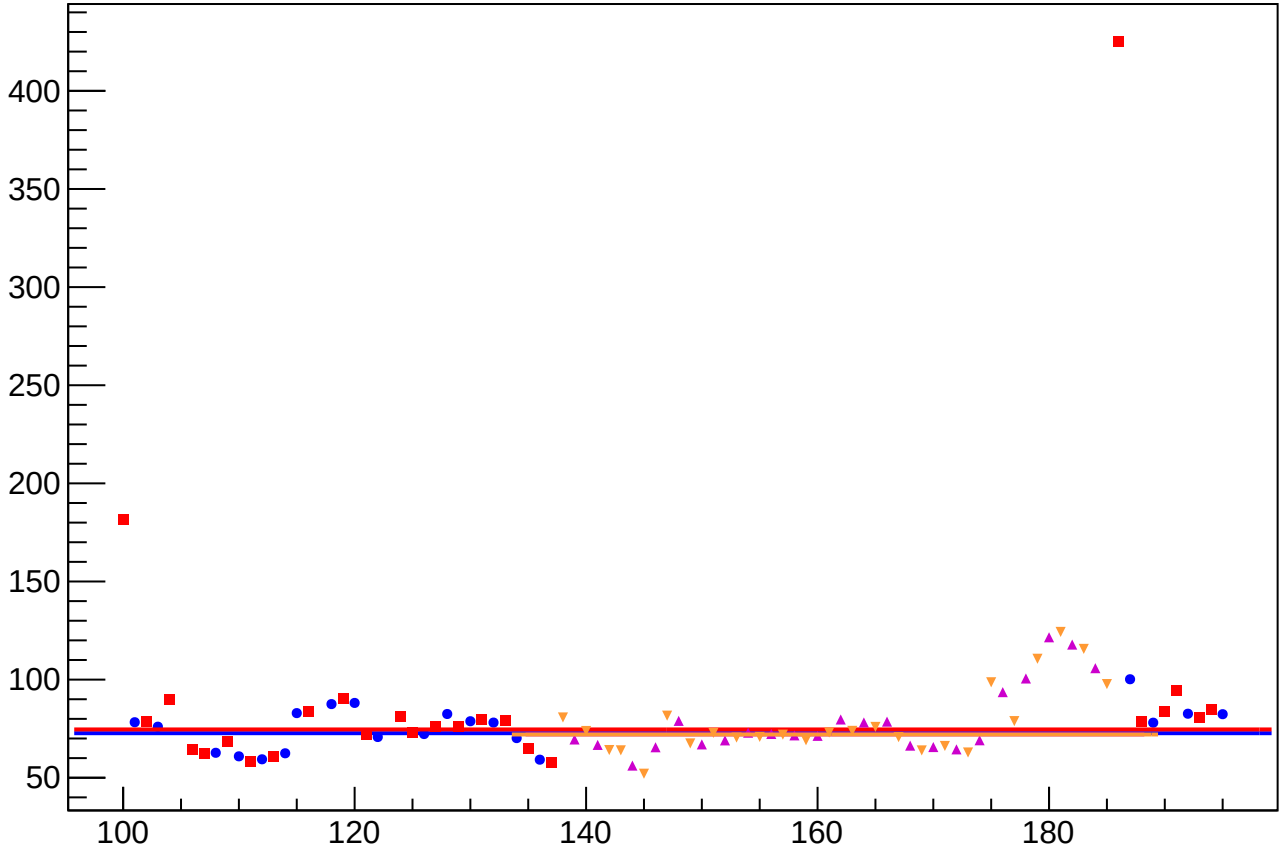
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.973+/-13.639 χ^2/NDF: 58.4/44

All: 22.269+/-9.693 χ^2/NDF: 91.9/92

- sign 19.509+/-13.777 χ^2/NDF: 33.4/47

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

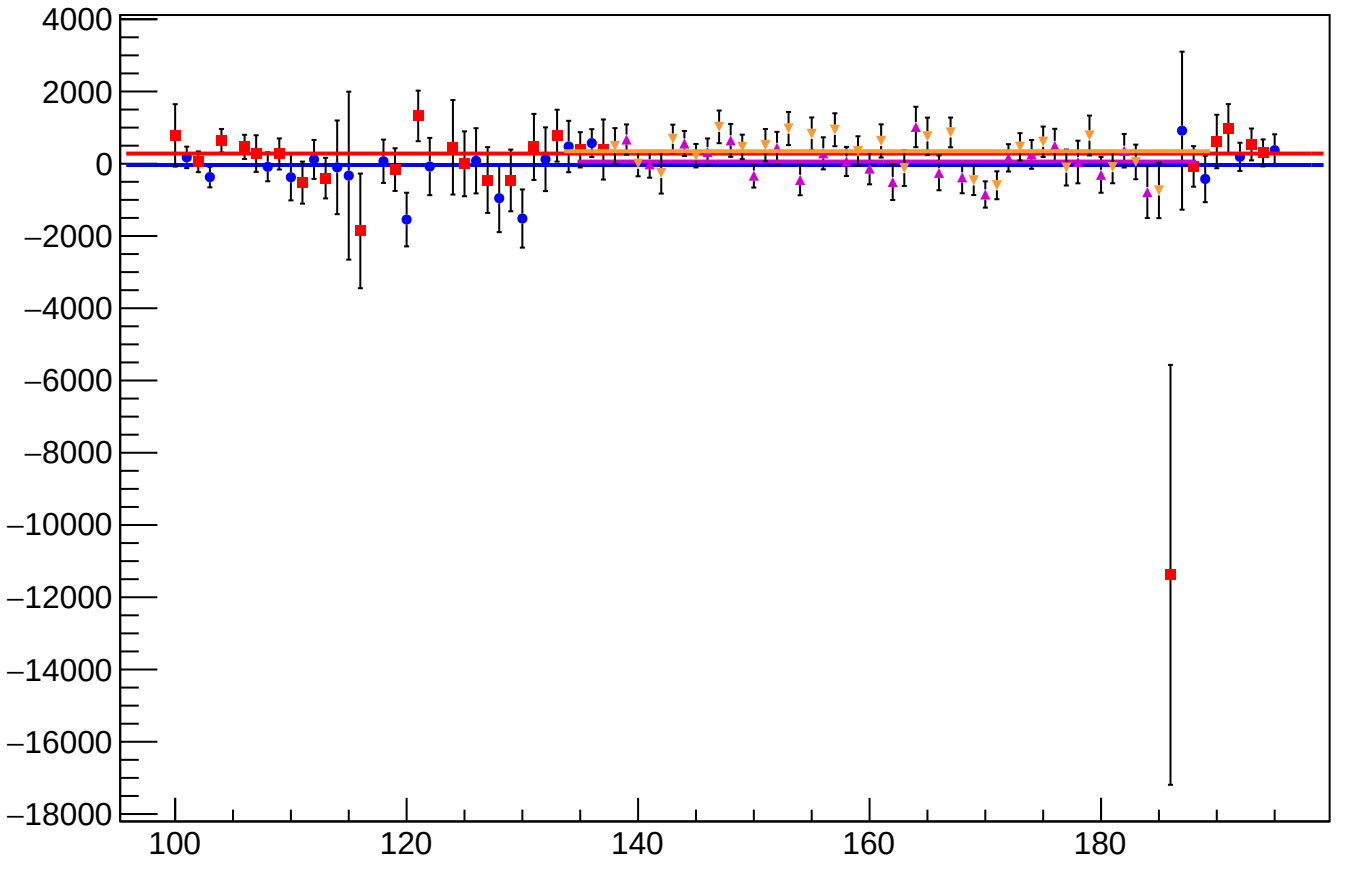
Right Out: 74.609+/-0.016 χ^2/NDF: 969989.2/24

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.262+/-0.010 χ^2/NDF: 1643284.0/44

All: 72.626+/-0.007 χ^2/NDF: 3690394.6/92

- sign 72.999+/-0.010 χ^2/NDF: 2044218.9/47



Right In: -34.698+/-118.703 χ^2/NDF: 15.6/19

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

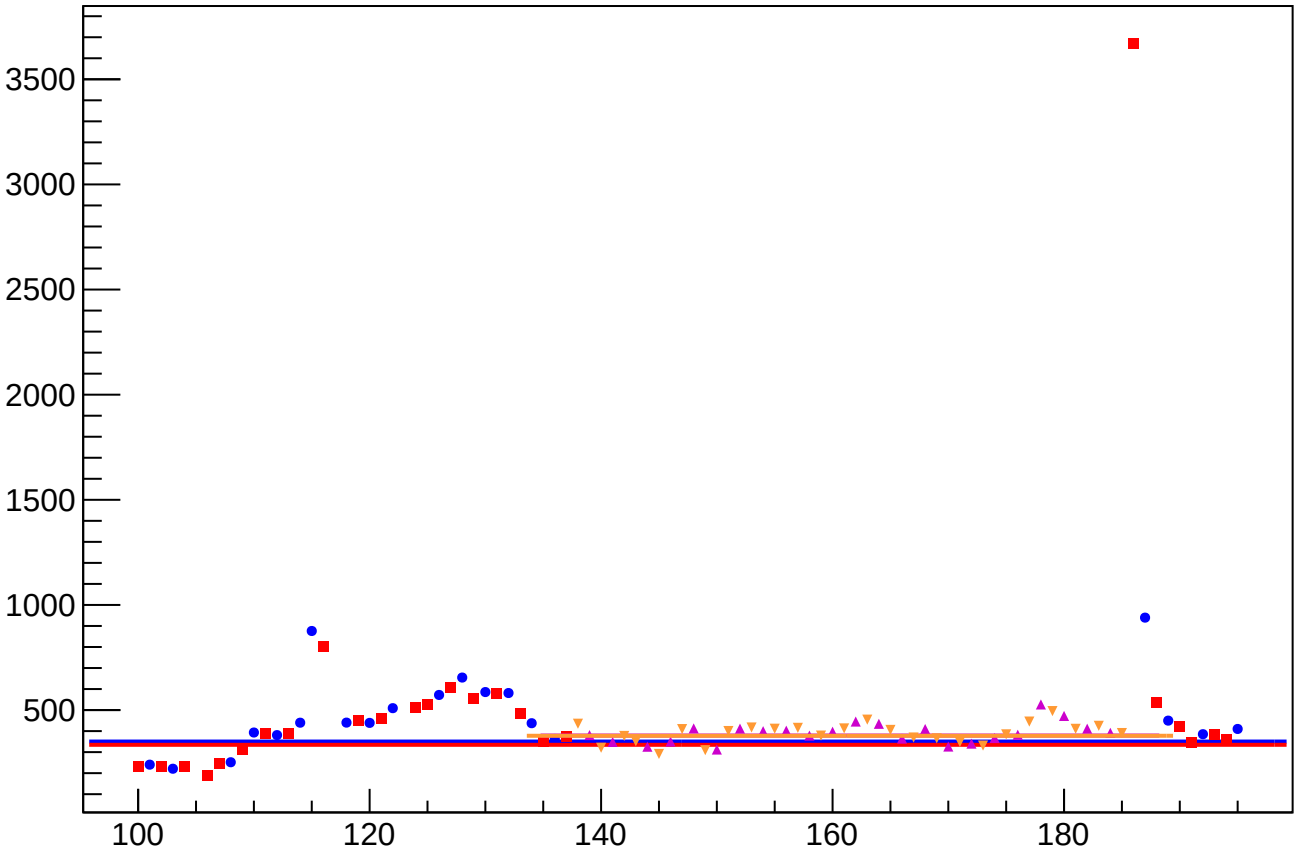
Right Out: 281.267+/-108.317 χ^2/NDF: 18.5/24

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 213.299+/-70.078 χ^2/NDF: 51.2/44

All: 180.942+/-49.150 χ^2/NDF: 98.5/92

- sign 149.614+/-68.954 χ^2/NDF: 46.8/47



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: 334.817+/-0.077 χ^2/NDF: 2946742.6/24

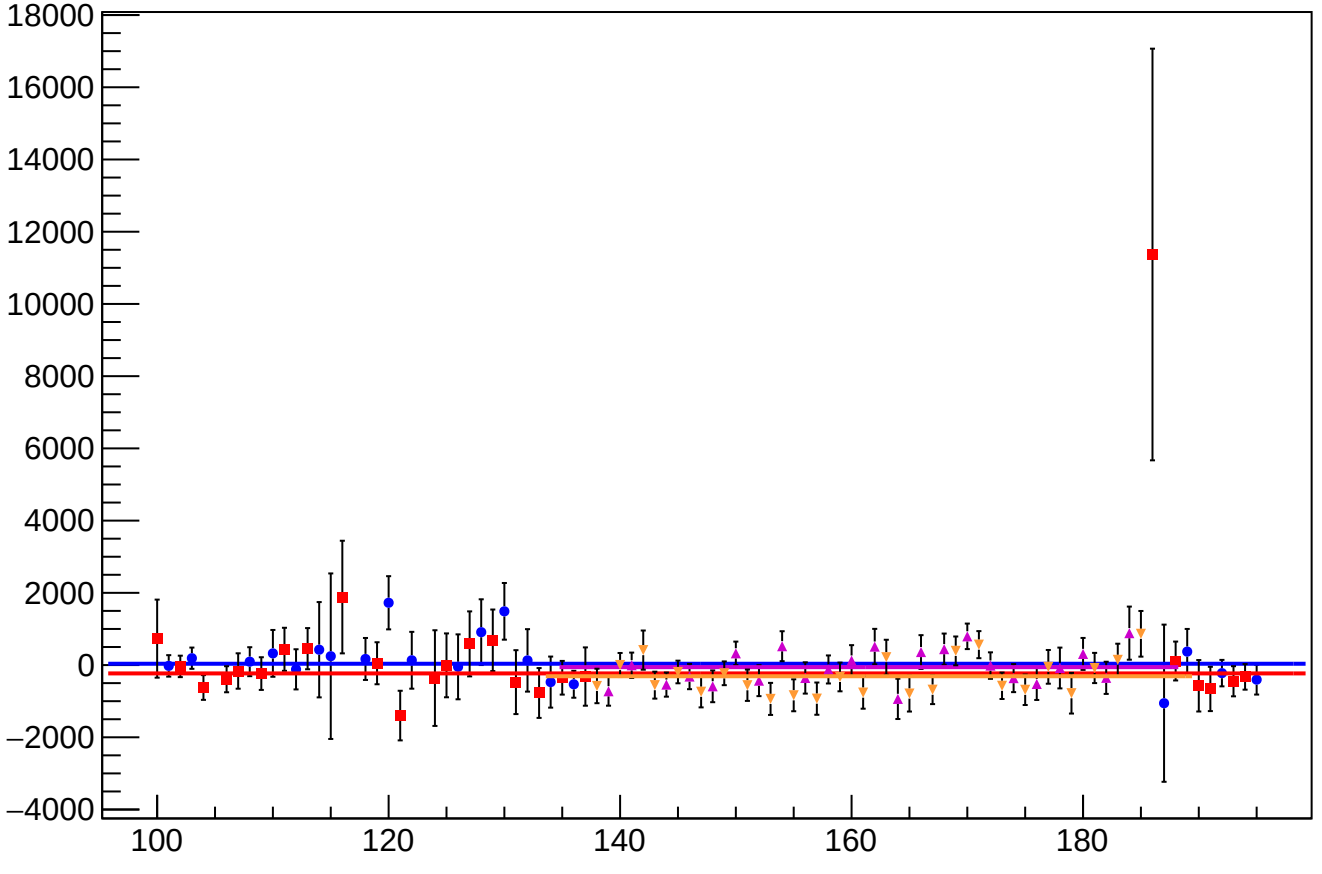
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 368.232+/-0.050 χ^2/NDF: 2711808.3/44

All: 364.566+/-0.035 χ^2/NDF: 6393743.0/92

- sign 361.017+/-0.049 χ^2/NDF: 3671163.3/47

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: -231.119+/-108.715 χ^2/NDF: 18.8/24

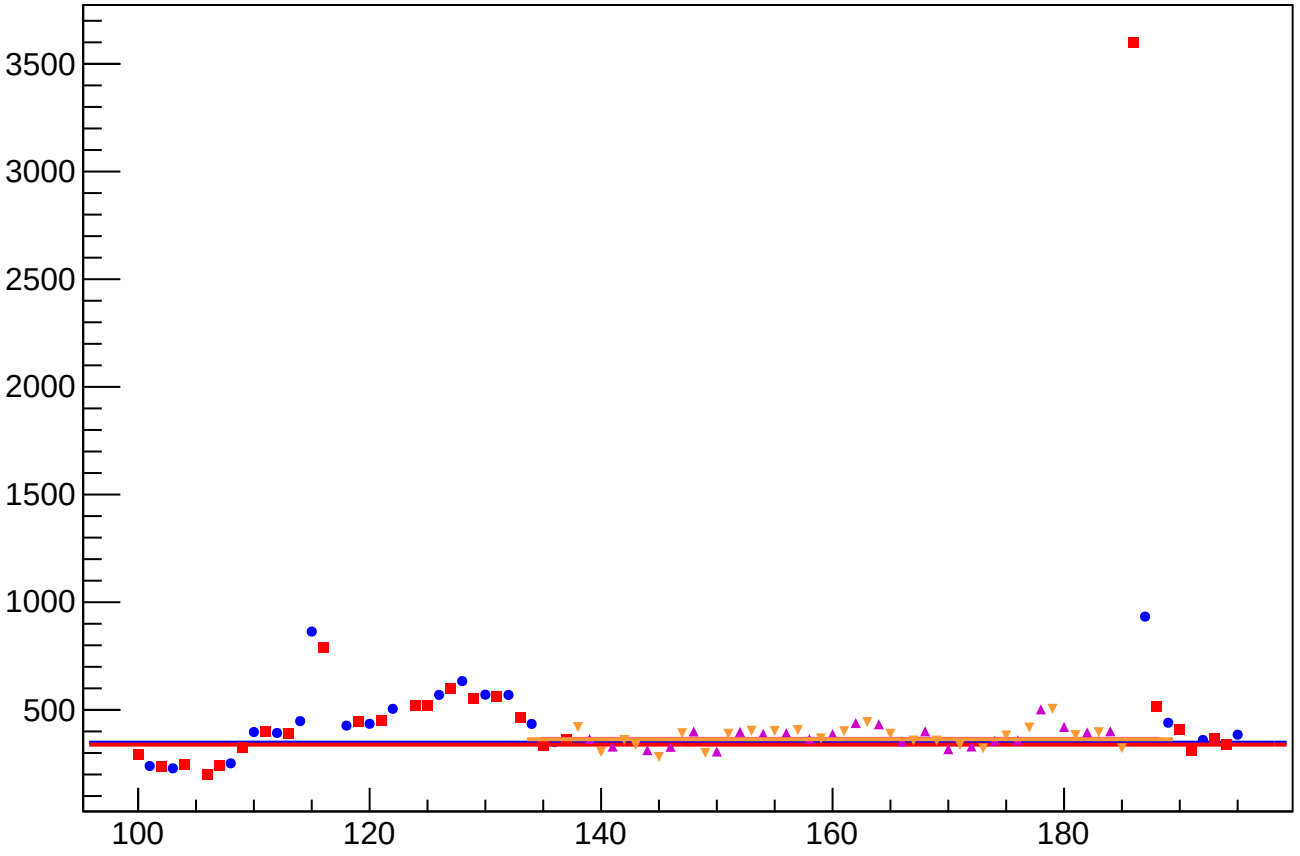
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -192.788+/-68.156 χ^2/NDF: 51.1/44

All: -158.377+/-47.980 χ^2/NDF: 100.0/92

- sign -124.569+/-67.556 χ^2/NDF: 48.4/47

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

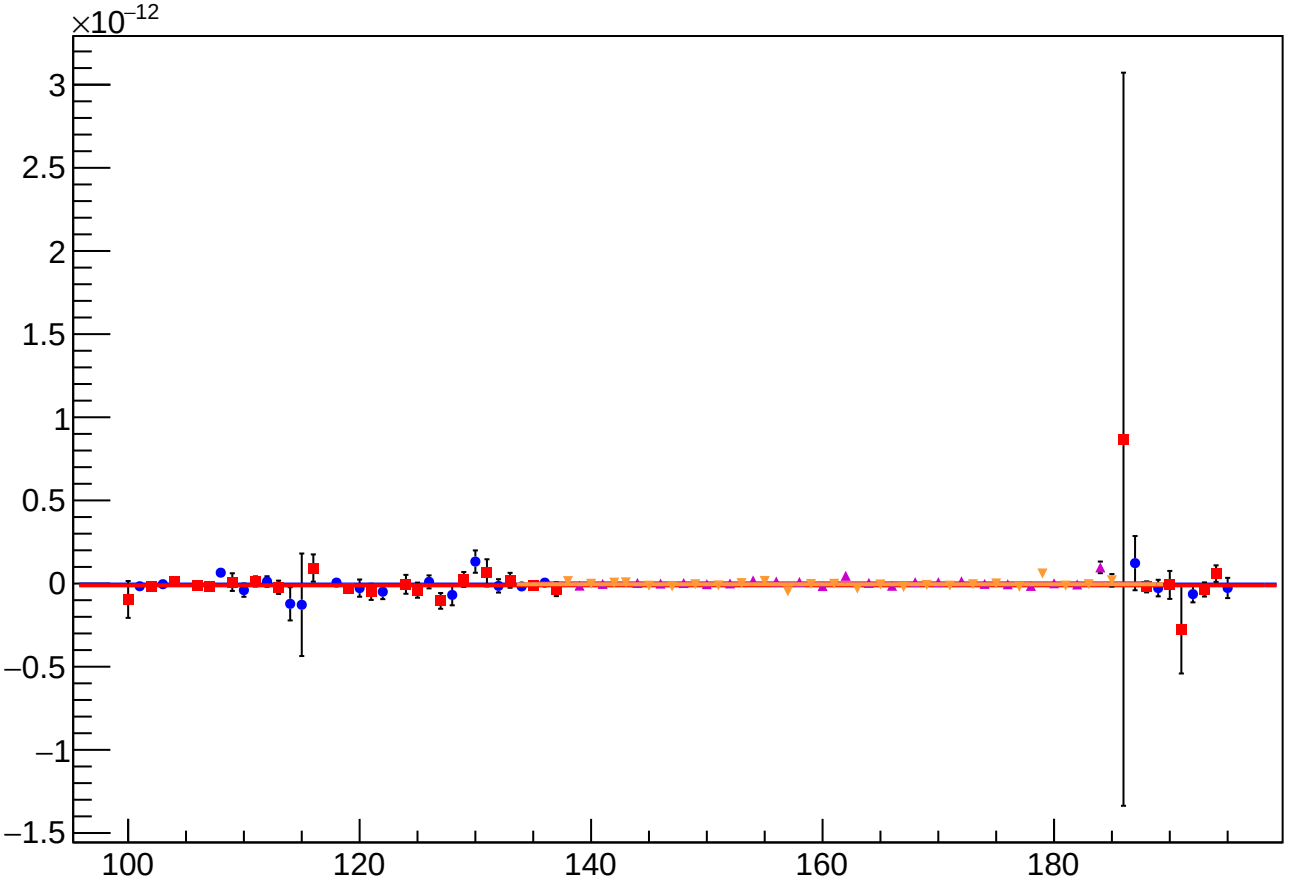
Right Out: 338.758+/-0.077 χ^2/NDF: 2590889.2/24

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 358.389+/-0.048 χ^2/NDF: 2534403.9/44

All: 356.713+/-0.034 χ^2/NDF: 5710499.0/92

- sign 355.066+/-0.048 χ^2/NDF: 3173696.0/47



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: 15.9/24

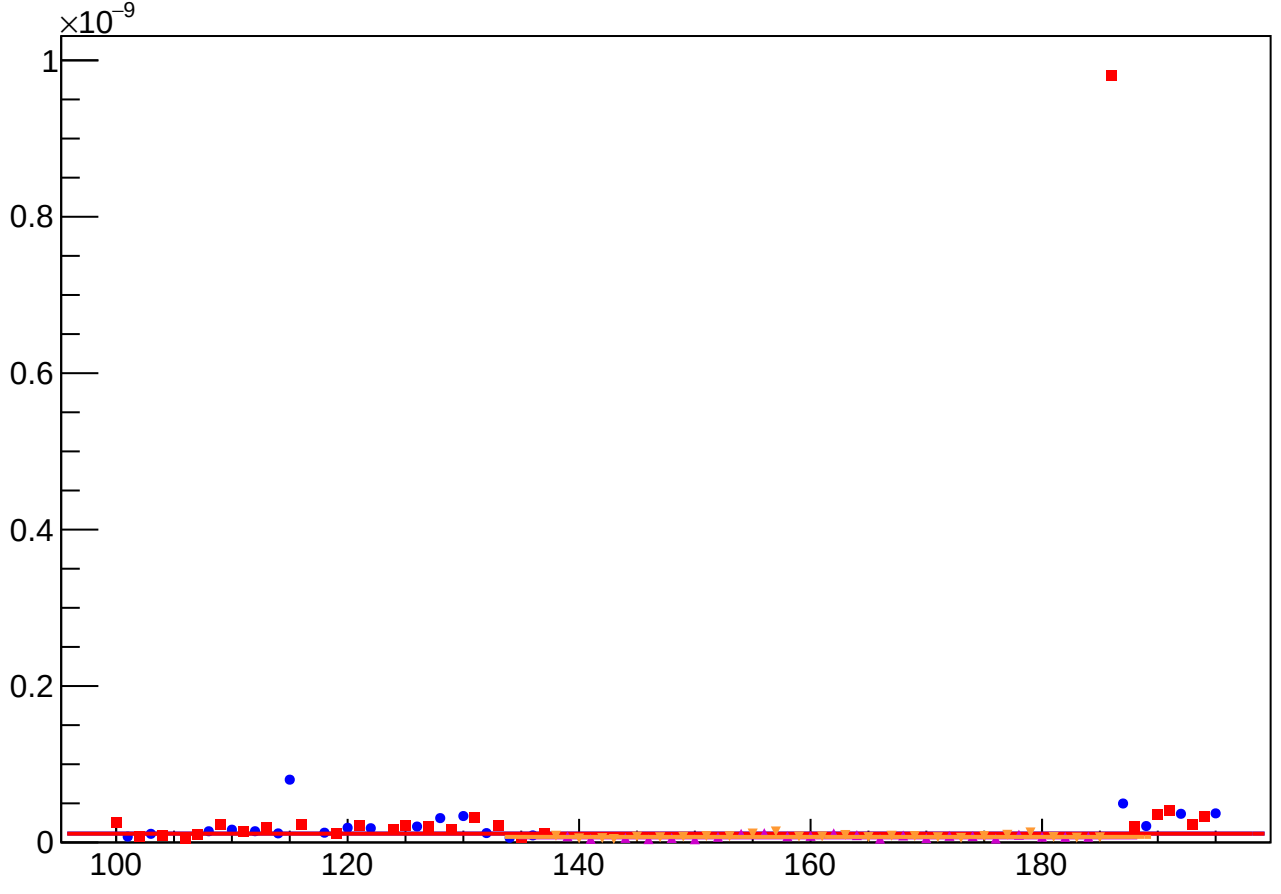
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/44

All: -0.000+/-0.000 χ^2/NDF: 83.0/92

- sign -0.000+/-0.000 χ^2/NDF: 40.9/47

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2287104.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

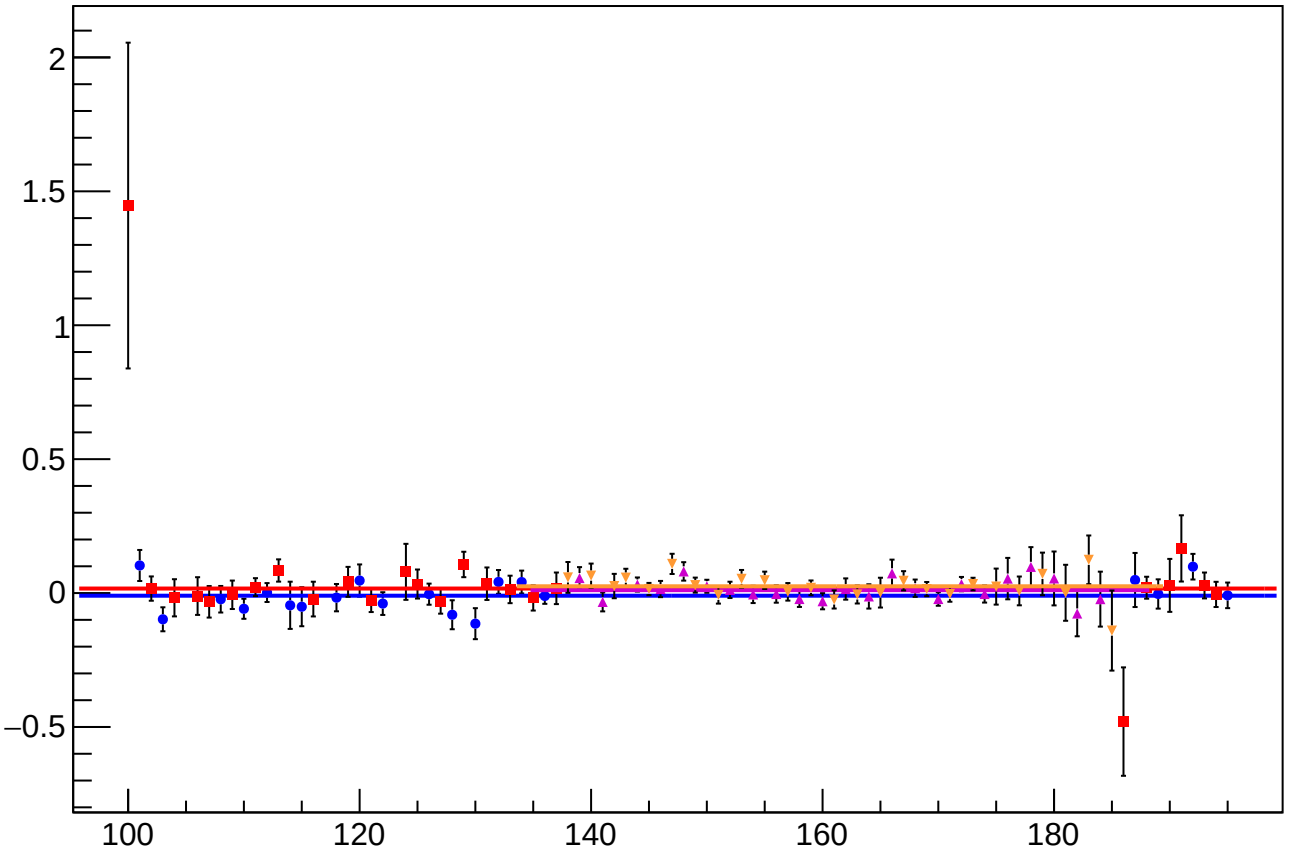
Right Out: 0.000+/-0.000 χ^2/NDF: 2795394.6/24

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: 9007635.7/92

- sign 0.000+/-0.000 χ^2/NDF: 5014373.4/47



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: 0.017+/-0.011 χ^2/NDF: 24.6/24

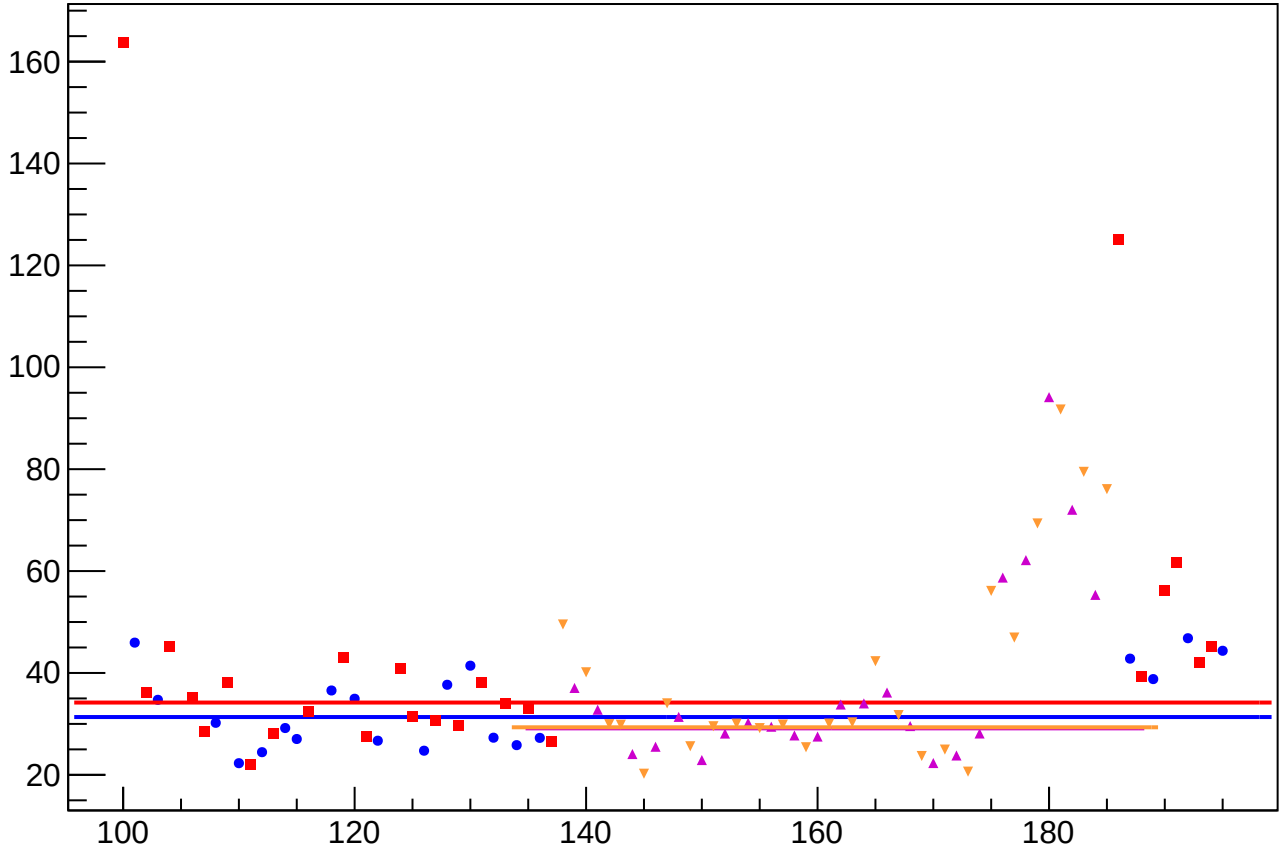
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.8/44

All: 0.013+/-0.004 χ^2/NDF: 93.6/92

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47

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

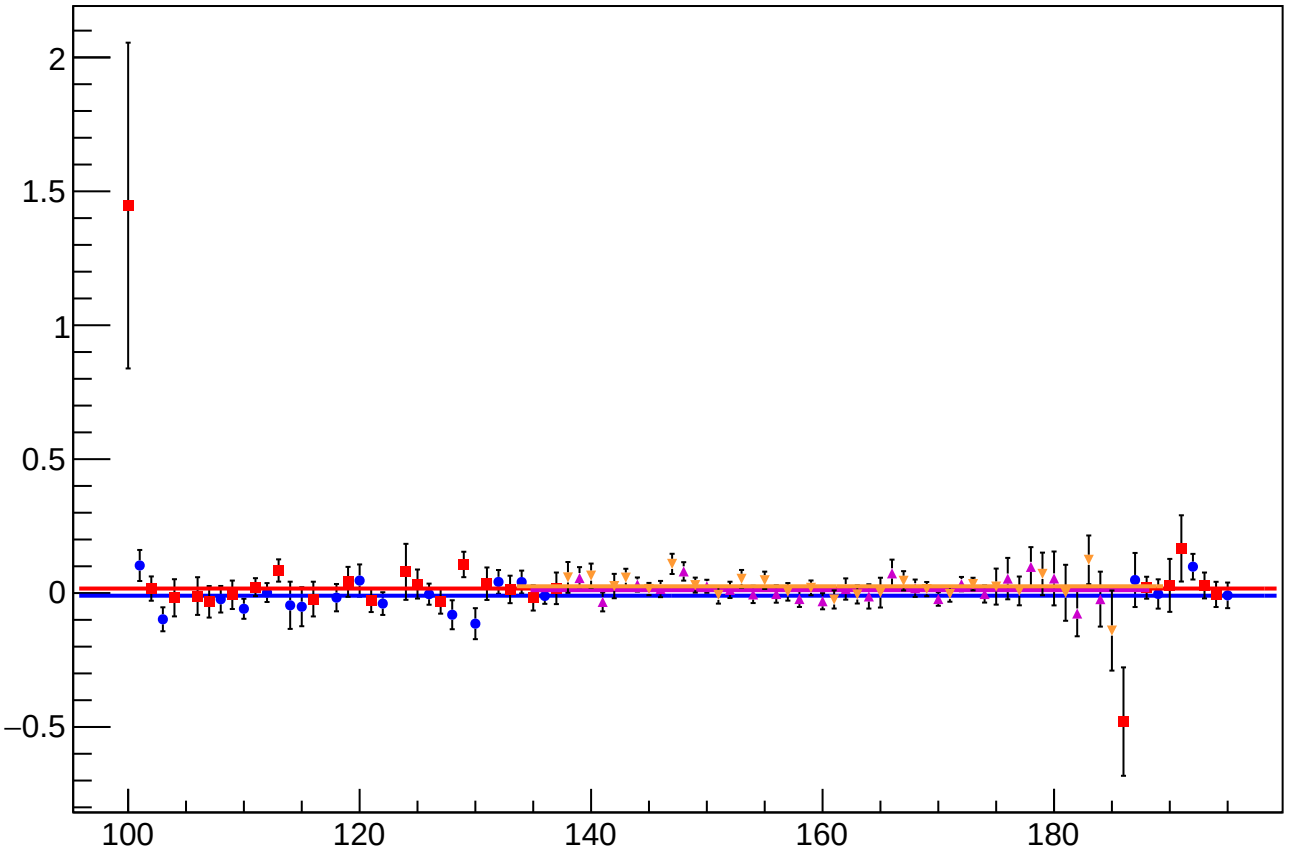
Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972603.7/44

All: 30.332+/-0.003 χ^2/NDF: 9582612.4/92

- sign 30.703+/-0.004 χ^2/NDF: 4595280.3/47



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

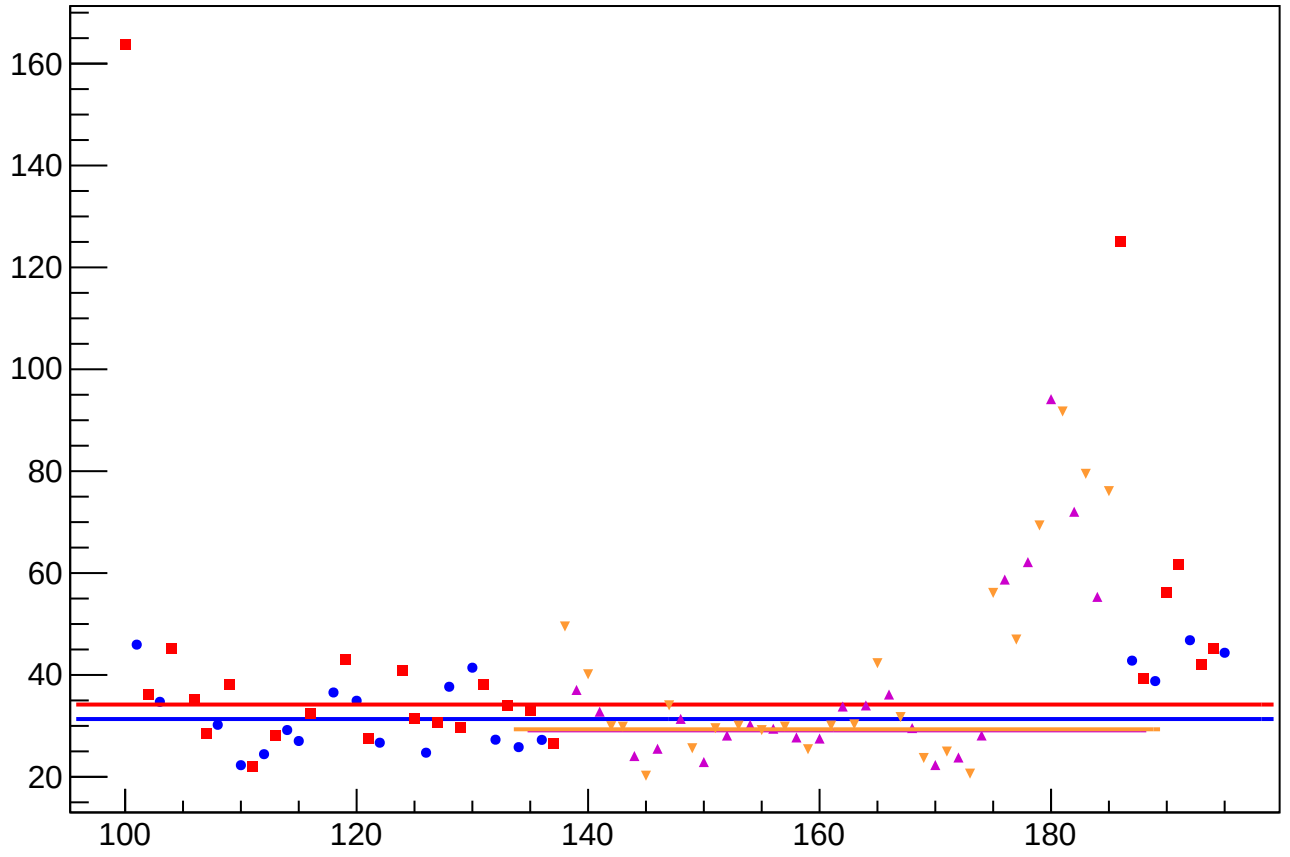
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

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: 93.6/92

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 31.348+/-0.007 χ^2/NDF: 1047693.6/19

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

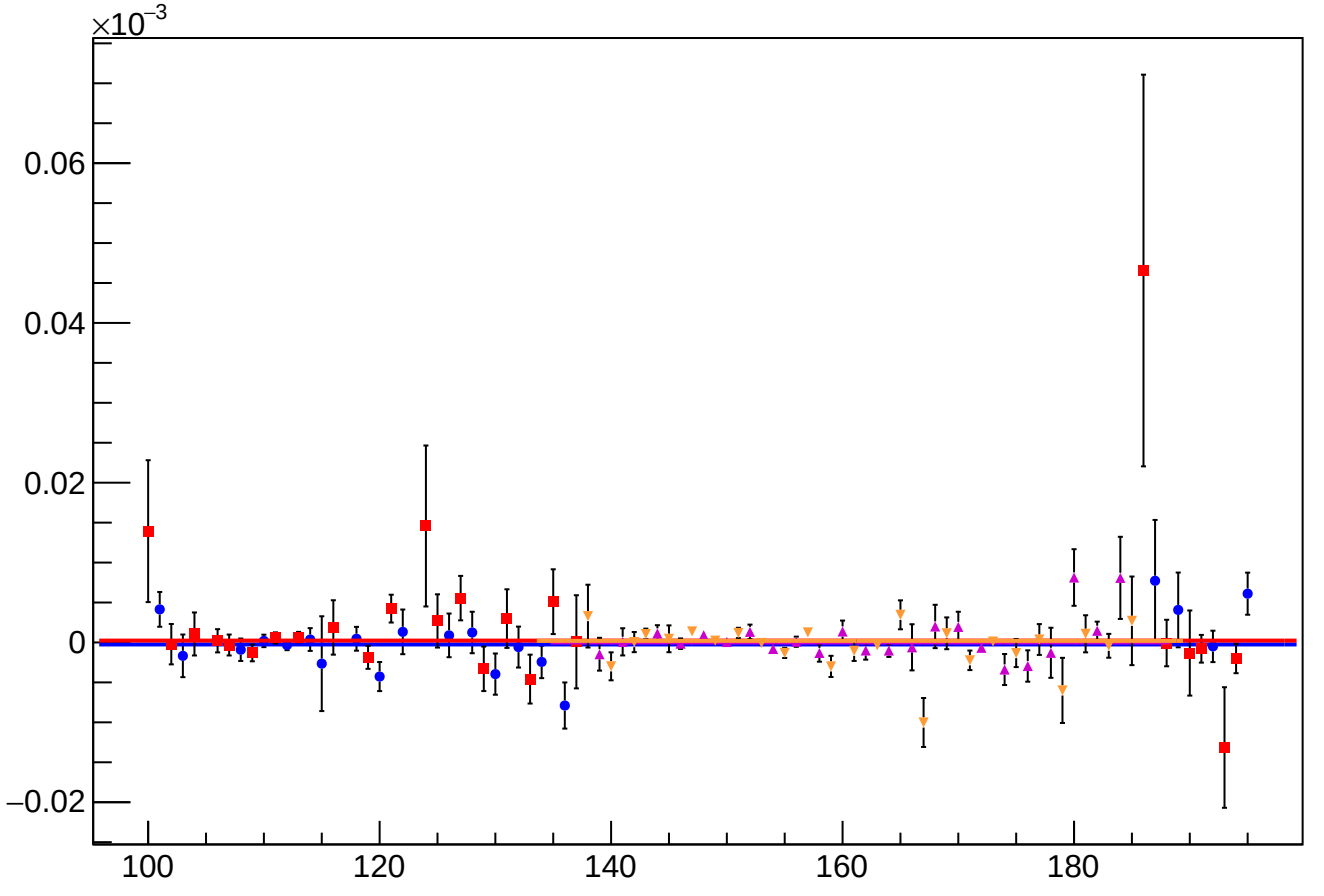
Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972603.7/44

All: 30.332+/-0.003 χ^2/NDF: 9582612.4/92

- sign 30.703+/-0.004 χ^2/NDF: 4595280.3/47



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: 34.1/24

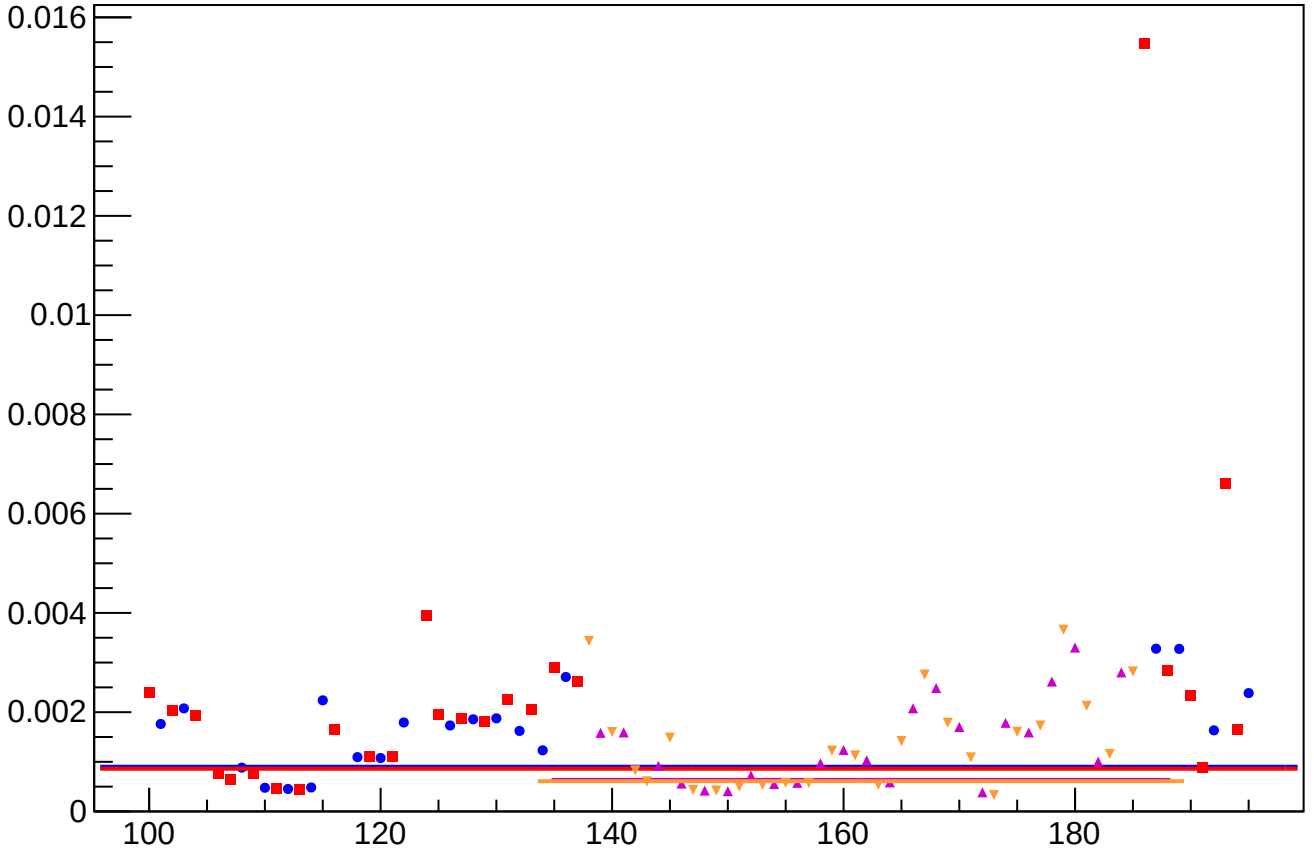
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.1/44

All: 0.000+/-0.000 χ^2/NDF: 150.6/92

- sign 0.000+/-0.000 χ^2/NDF: 67.4/47

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

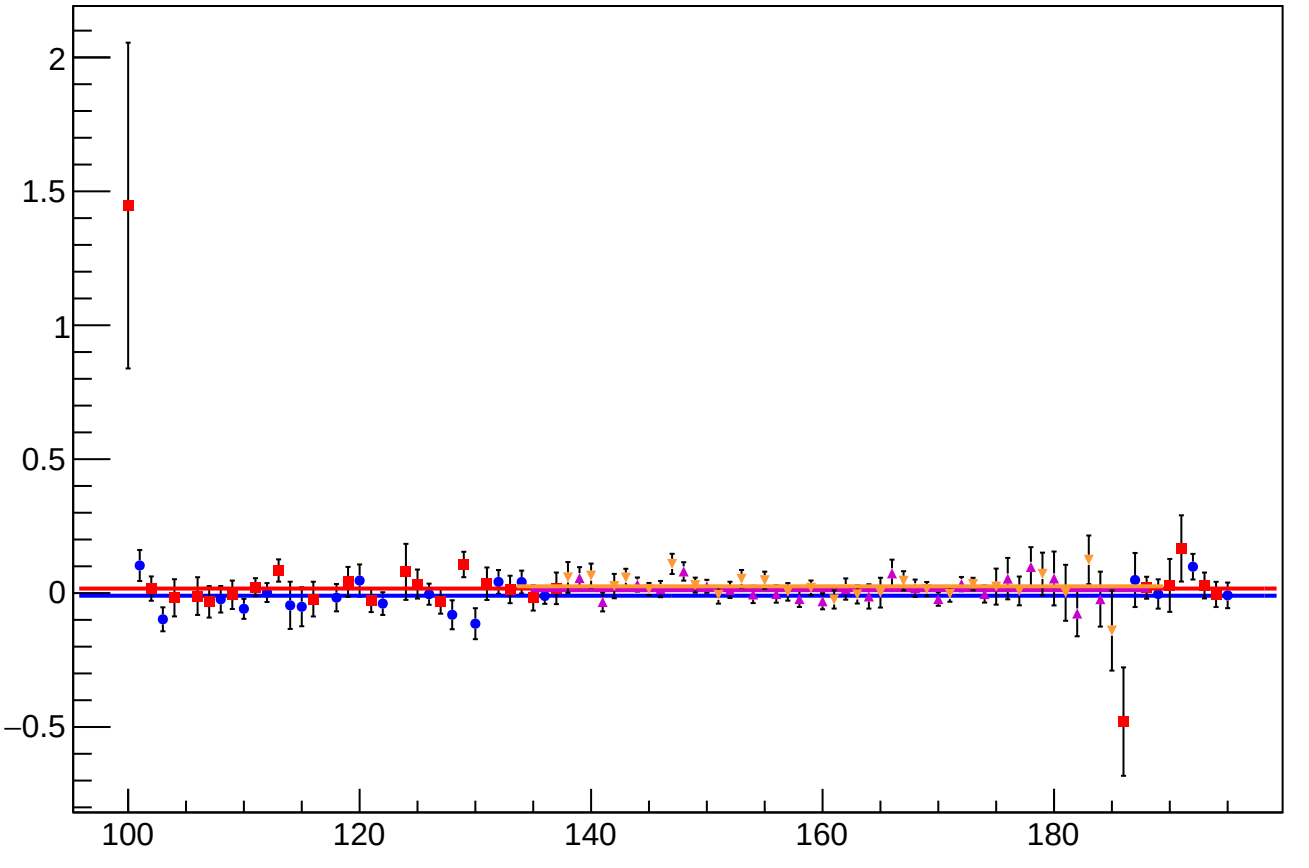
Right Out: 0.001+/-0.000 χ^2/NDF: 8065664.5/24

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: 36377798.7/92

- sign 0.001+/-0.000 χ^2/NDF: 18152584.6/47



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

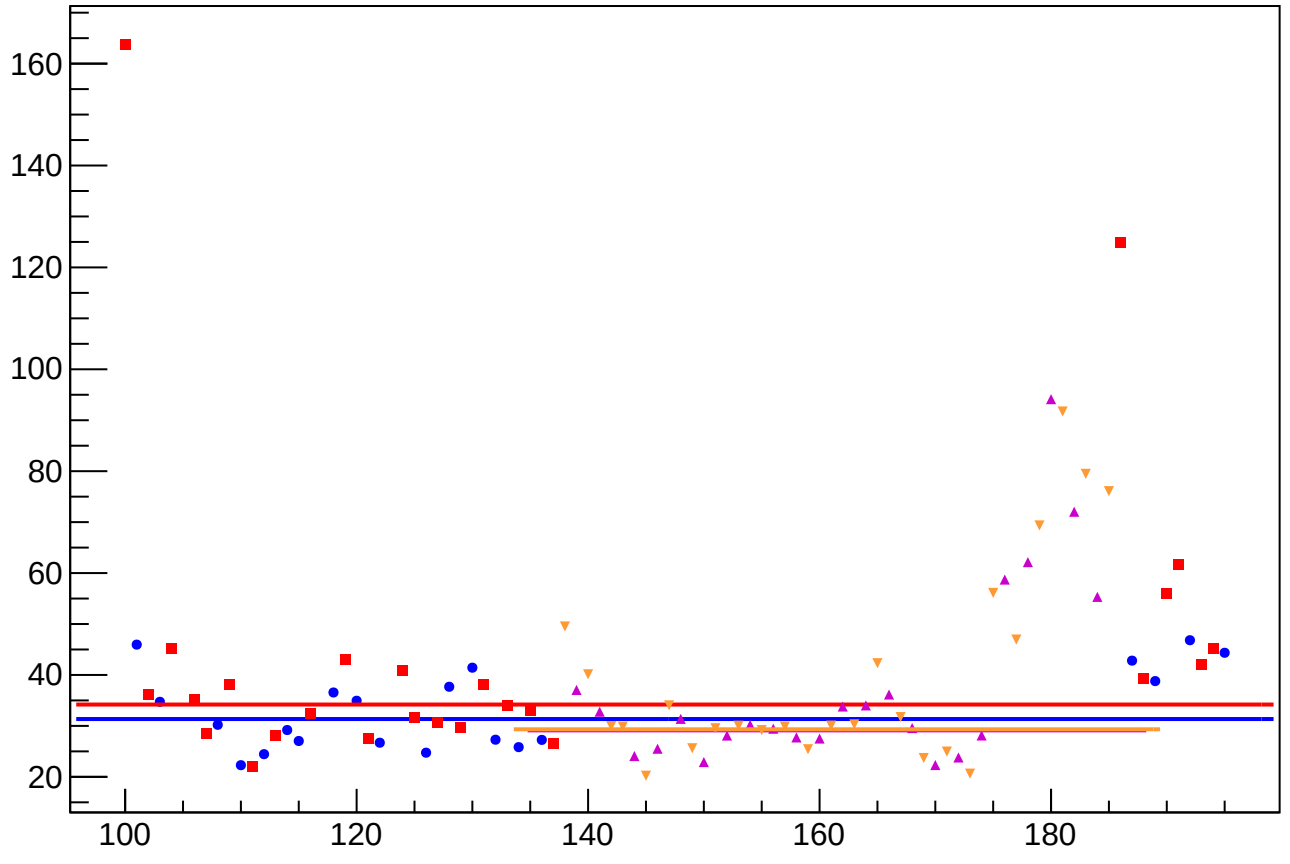
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

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: 93.6/92

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

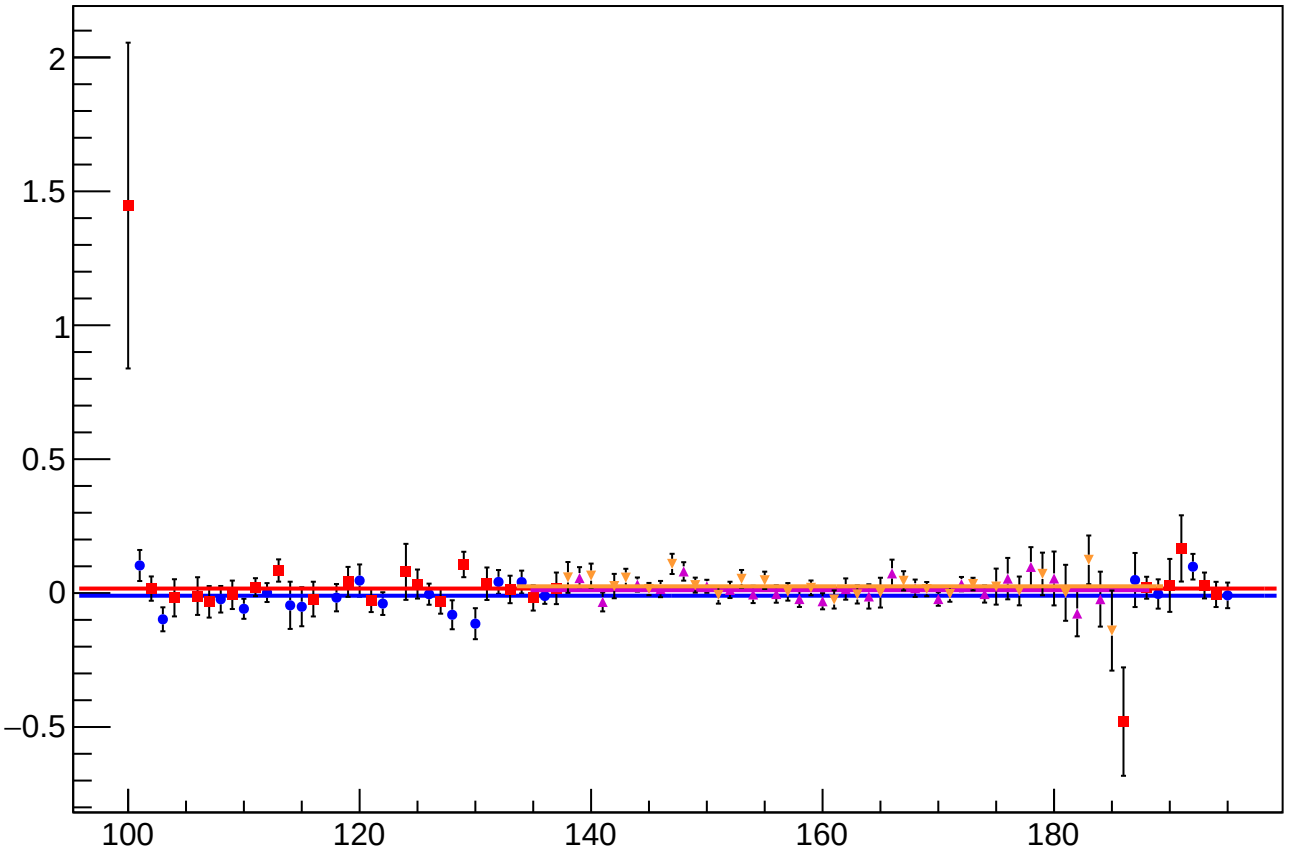
Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972643.1/44

All: 30.332+/-0.003 χ^2/NDF: 9582568.5/92

- sign 30.703+/-0.004 χ^2/NDF: 4595195.6/47



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

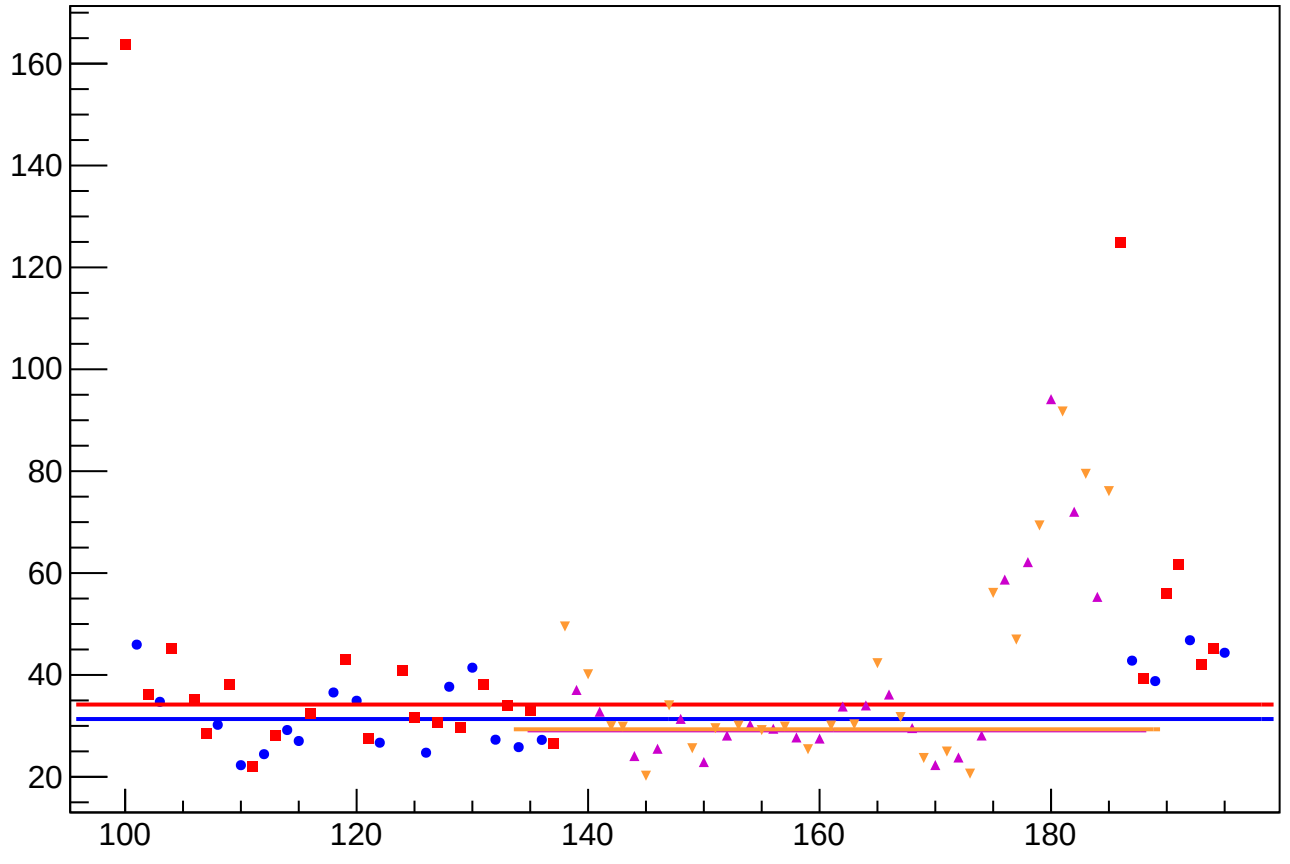
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

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: 93.6/92

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

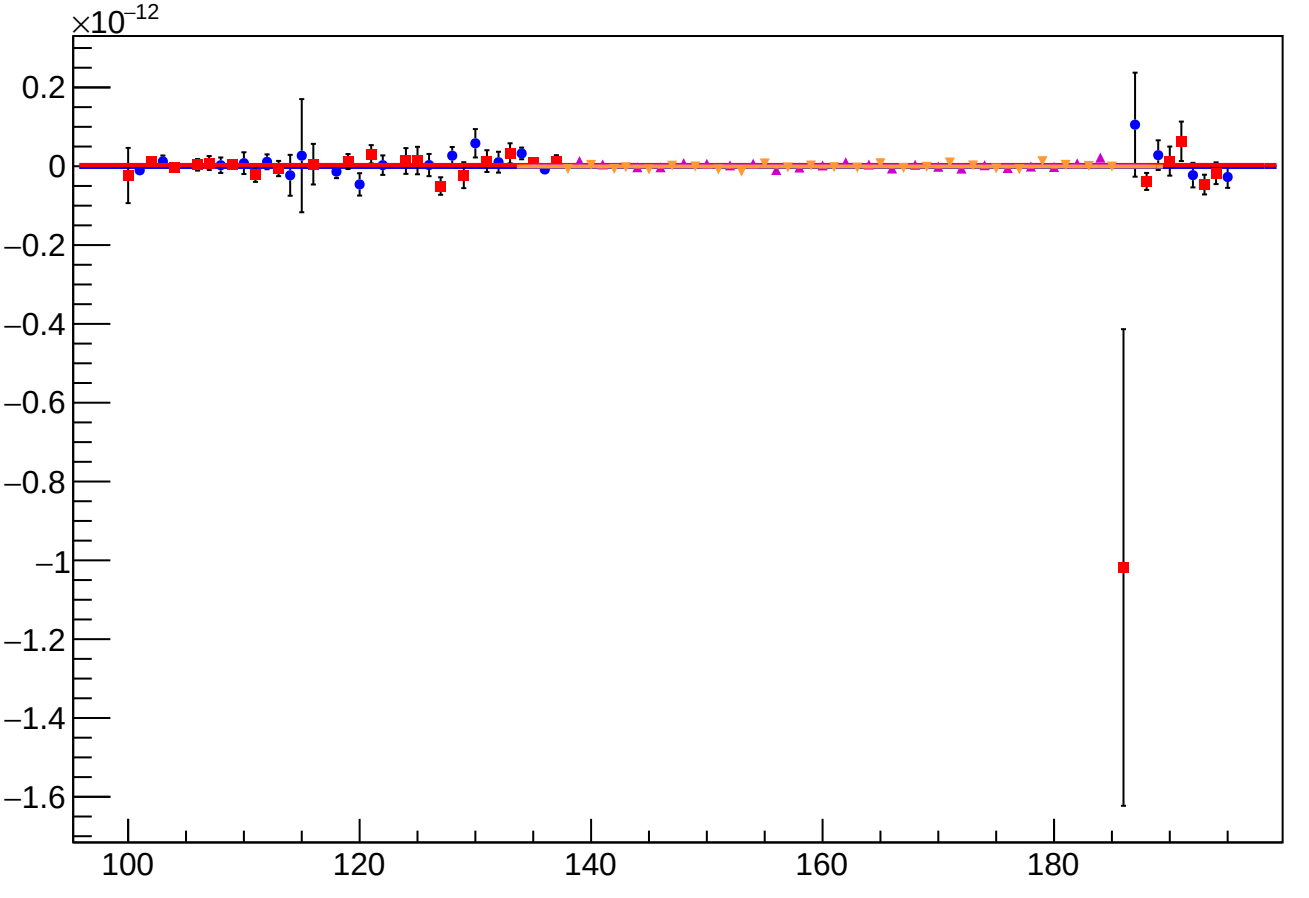
Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.976+/-0.004 χ^2/NDF: 4972643.1/44

All: 30.332+/-0.003 χ^2/NDF: 9582568.5/92

- sign 30.703+/-0.004 χ^2/NDF: 4595195.6/47



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

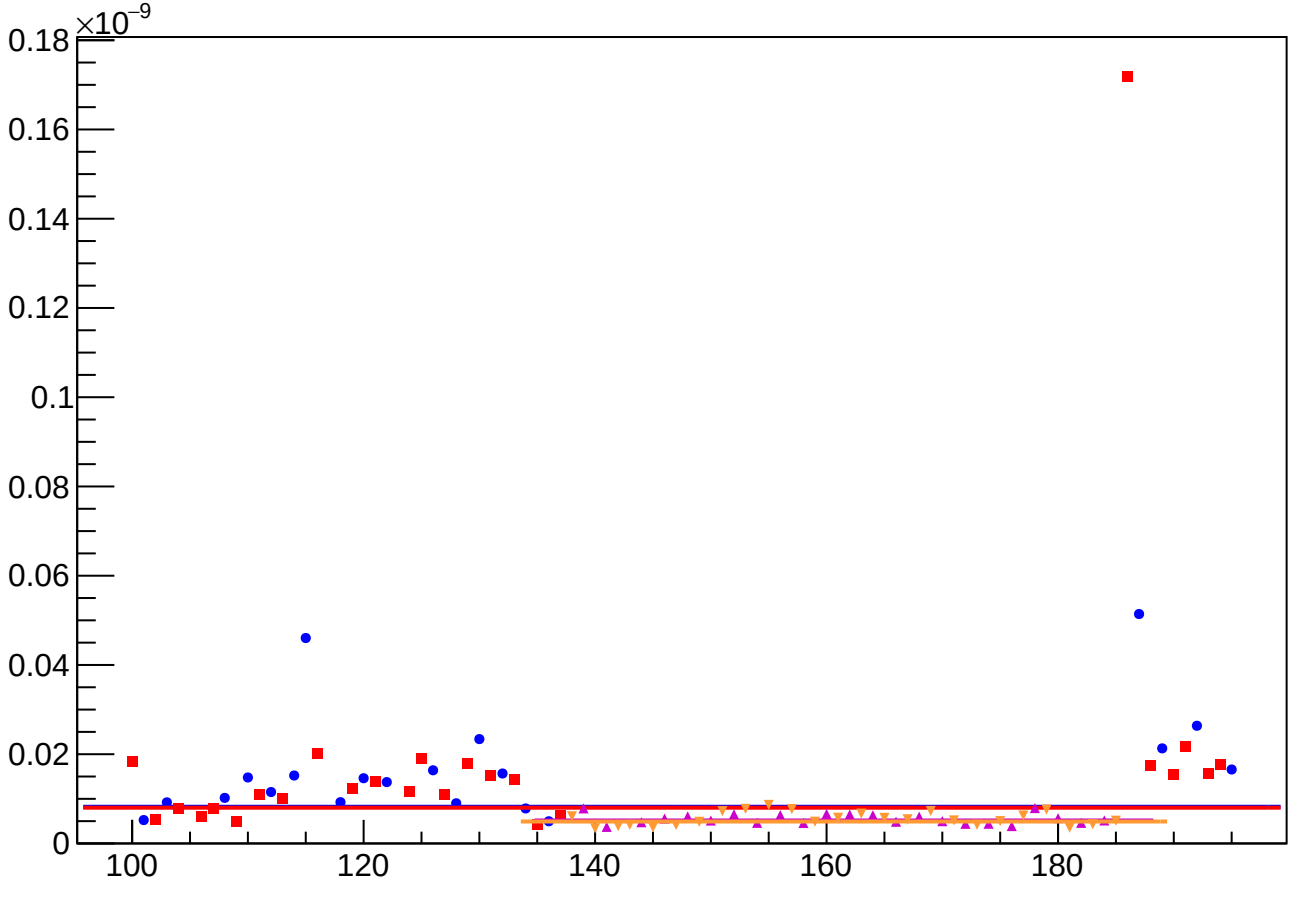
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

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: 79.8/92

- sign 0.000+/-0.000 χ^2/NDF: 43.1/47



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: 3270897.4/24

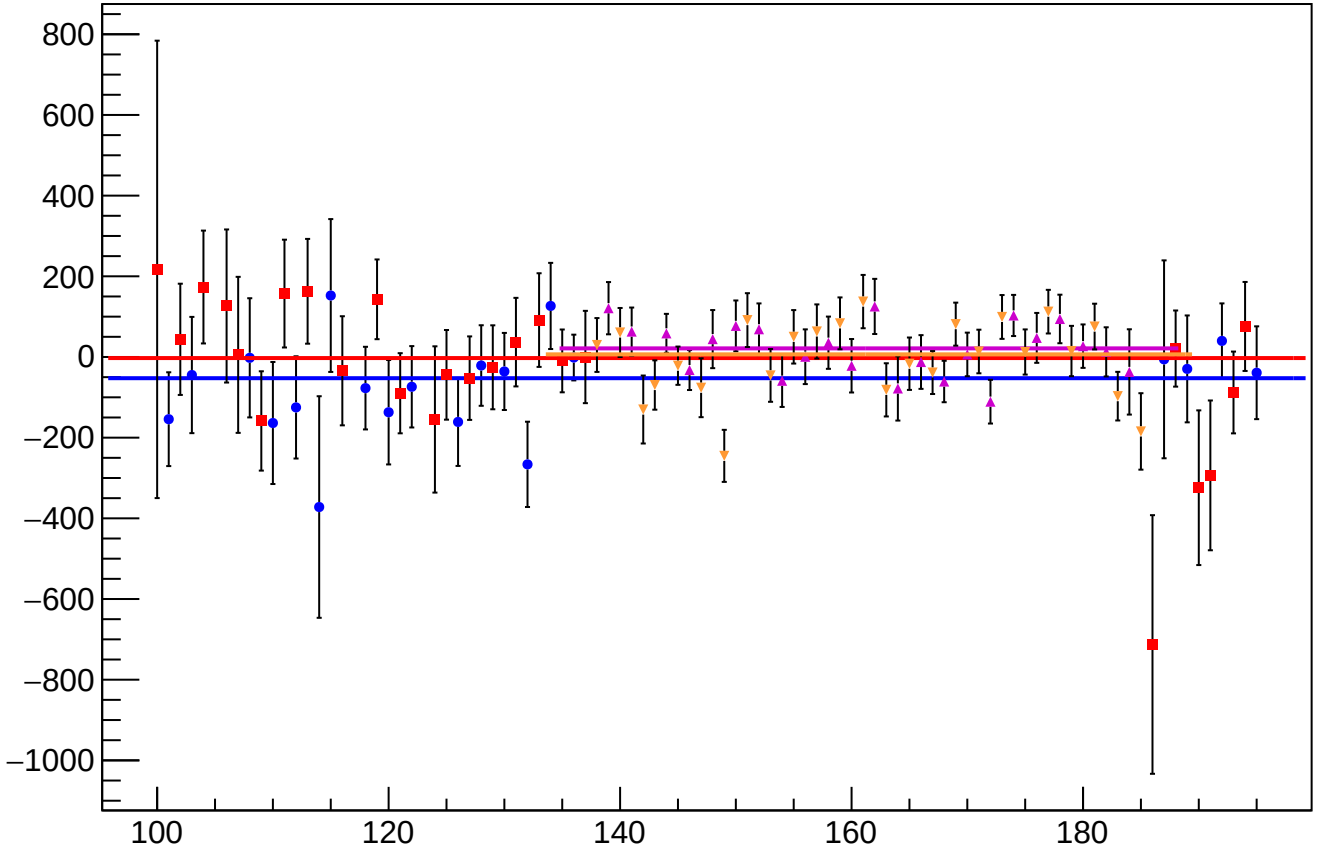
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6629849.7/44

All: 0.000+/-0.000 χ^2/NDF: 12047588.2/92

- sign 0.000+/-0.000 χ^2/NDF: 5382243.5/47

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: -2.684+/-24.585 χ^2/NDF: 23.3/24

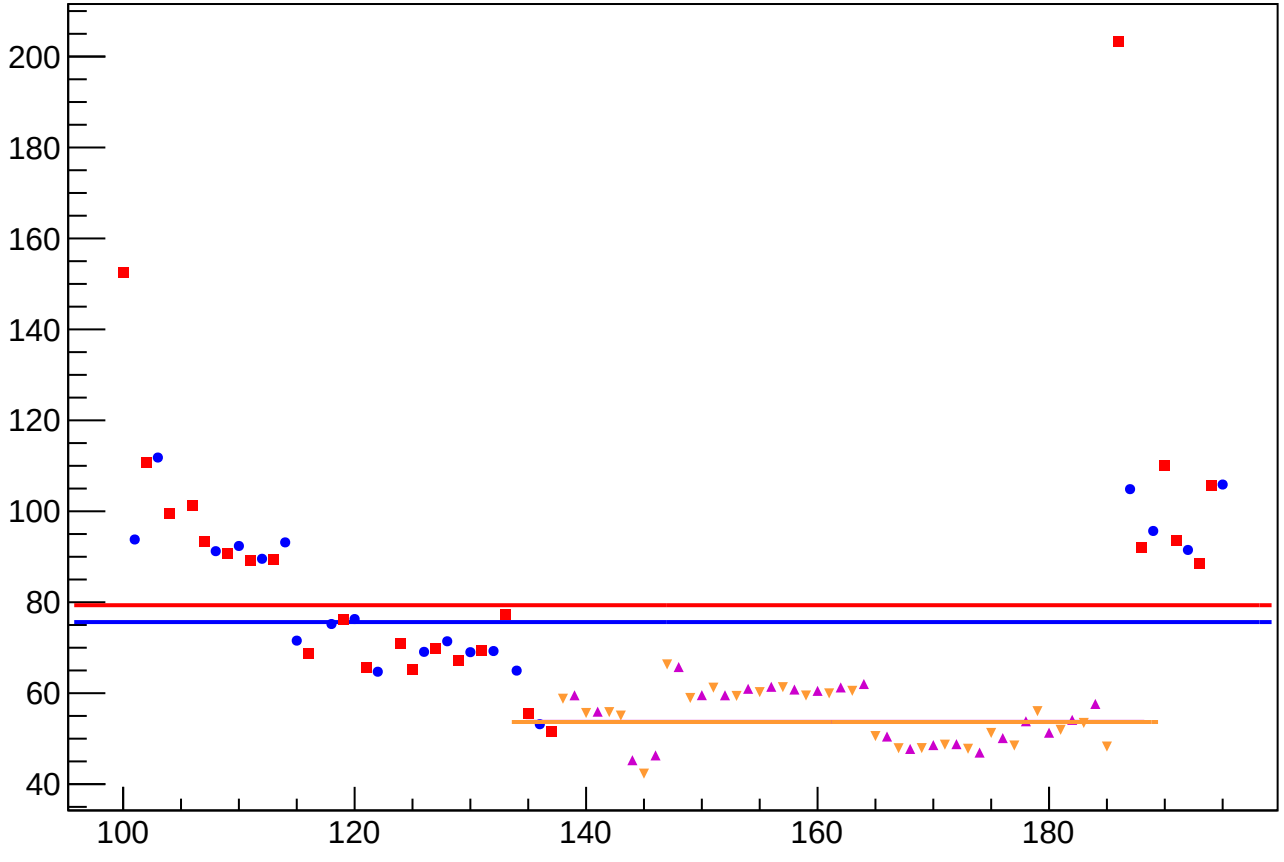
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.064+/-11.017 χ^2/NDF: 69.8/44

All: 5.401+/-7.871 χ^2/NDF: 121.1/92

- sign 16.308+/-11.248 χ^2/NDF: 49.5/47

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: 79.347+/-0.017 χ^2/NDF: 1241881.6/24

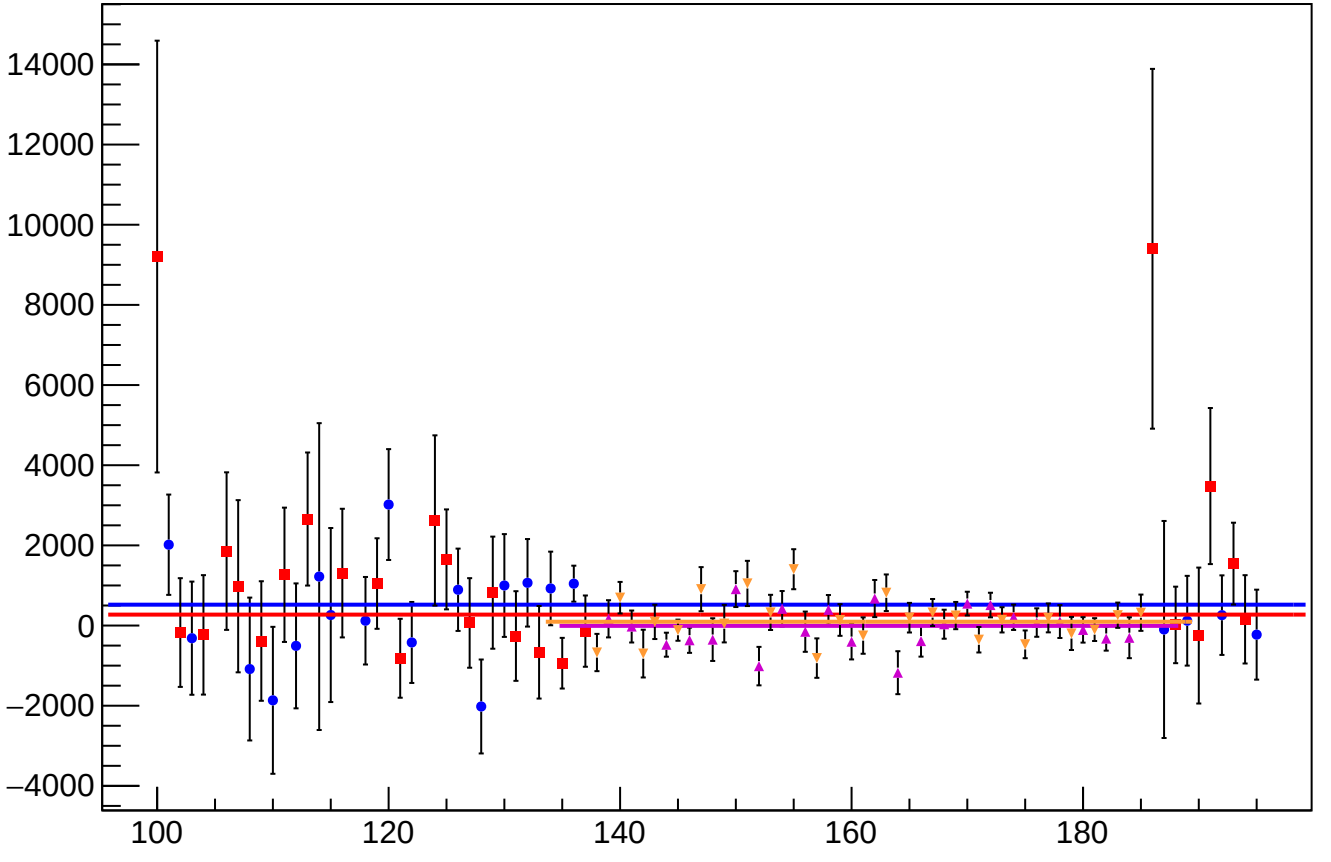
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636553.7/44

All: 58.507+/-0.006 χ^2/NDF: 6081028.5/92

- sign 59.064+/-0.008 χ^2/NDF: 3434879.4/47

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: 272.826+/-250.687 χ^2/NDF: 24.4/24

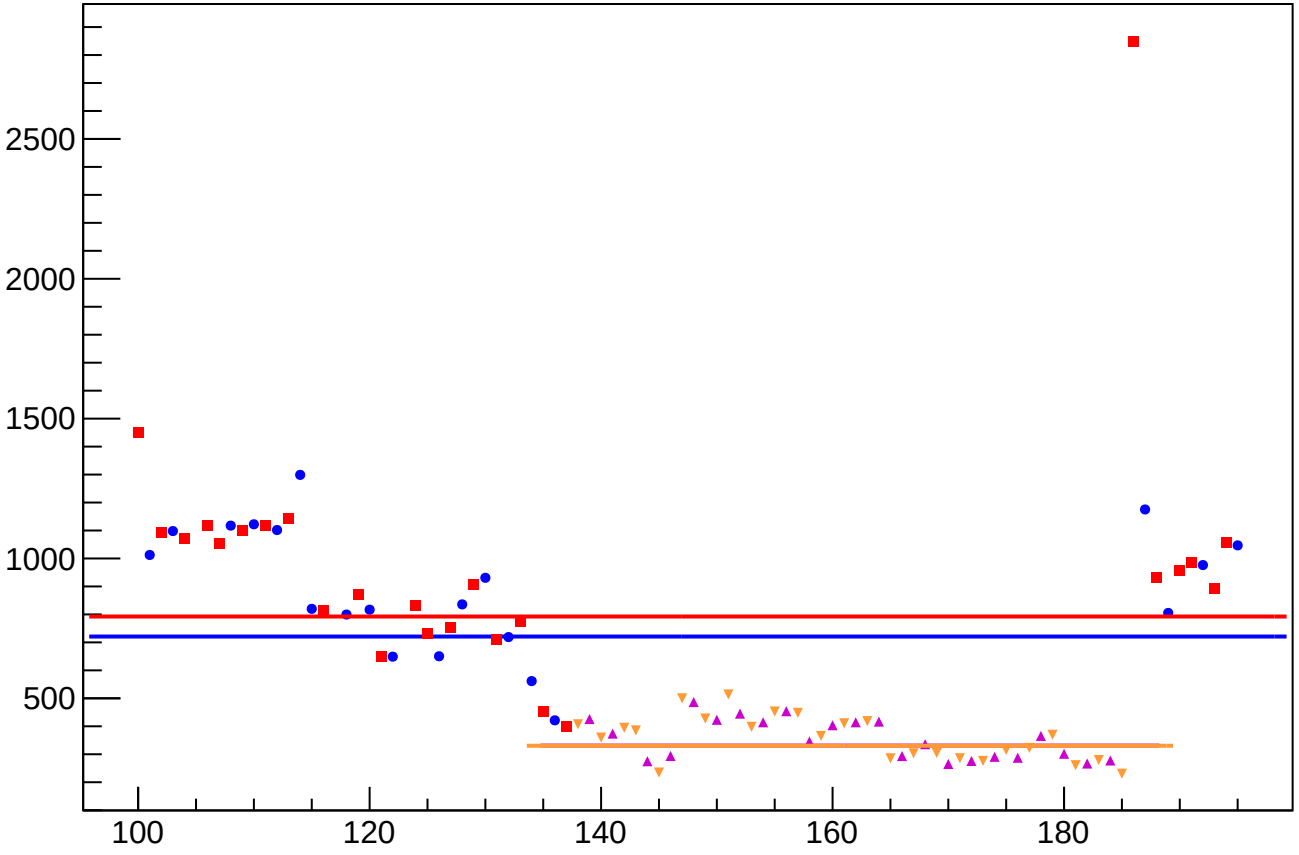
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 134.079+/-73.548 χ^2/NDF: 52.4/44

All: 77.308+/-52.668 χ^2/NDF: 111.6/92

- sign 17.553+/-75.456 χ^2/NDF: 57.9/47

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: 792.451+/-0.177 χ^2/NDF: 2226596.7/24

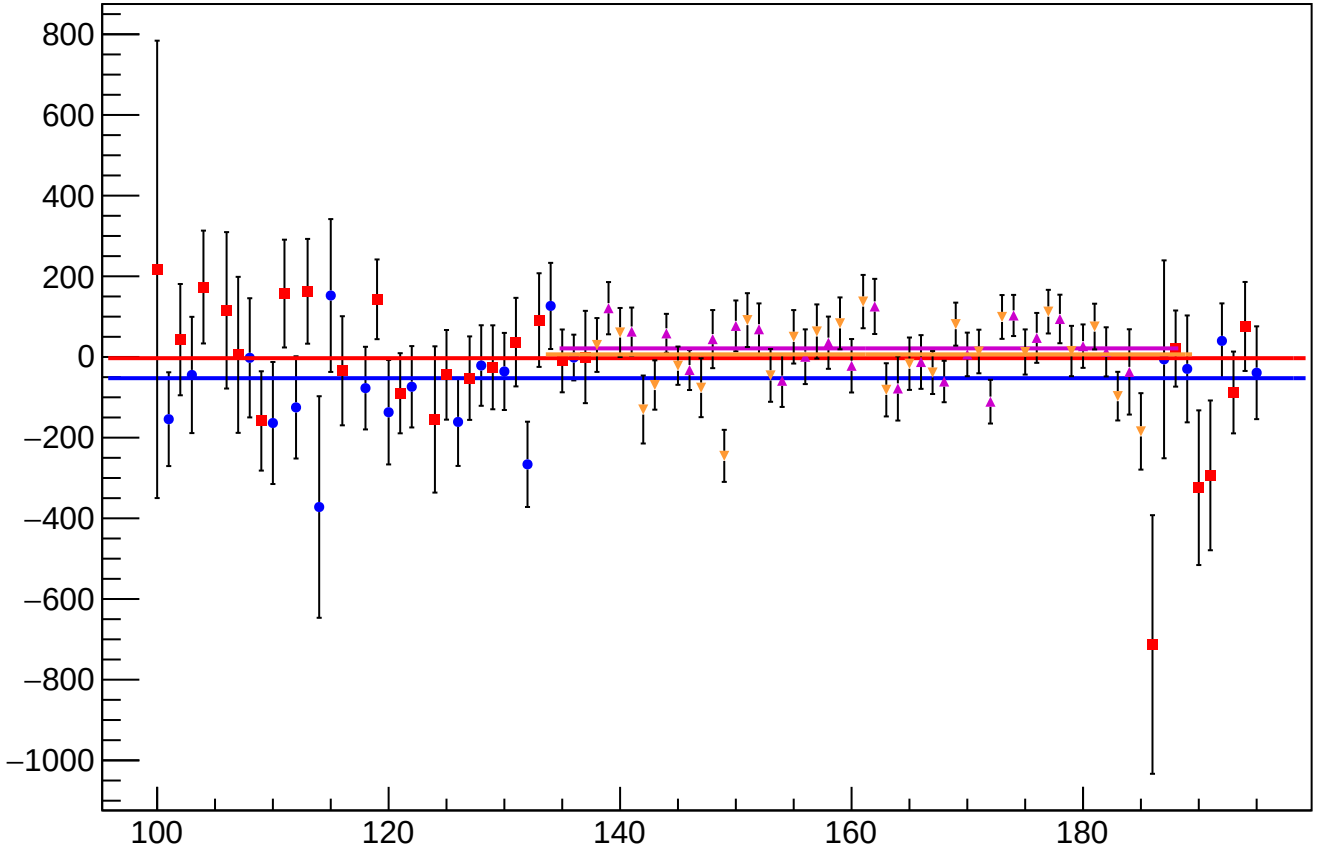
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454913.8/44

All: 369.278+/-0.037 χ^2/NDF: 18177056.1/92

- sign 372.860+/-0.053 χ^2/NDF: 9713353.8/47

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: -2.978+/-24.595 χ^2/NDF: 23.2/24

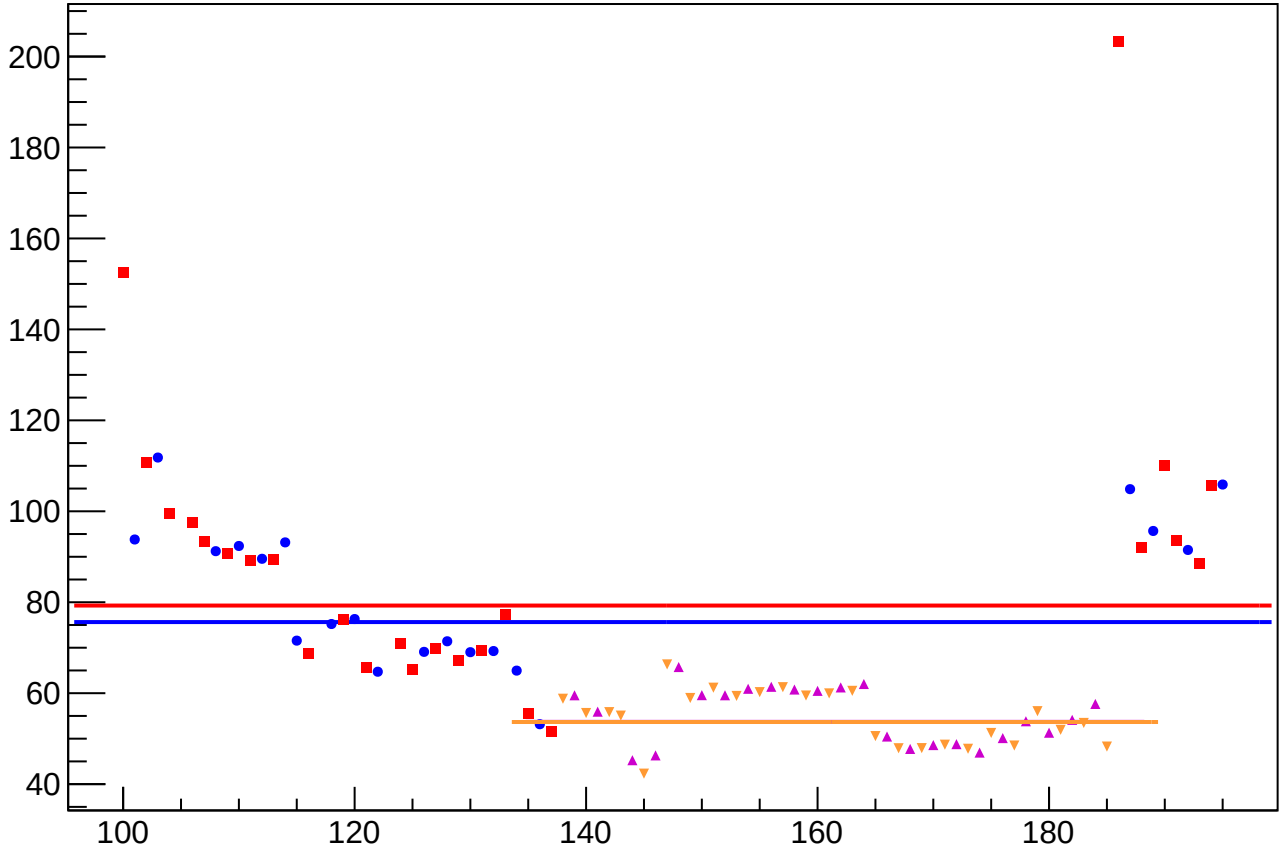
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.060+/-11.017 χ^2/NDF: 69.8/44

All: 5.373+/-7.871 χ^2/NDF: 121.0/92

- sign 16.249+/-11.249 χ^2/NDF: 49.4/47

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

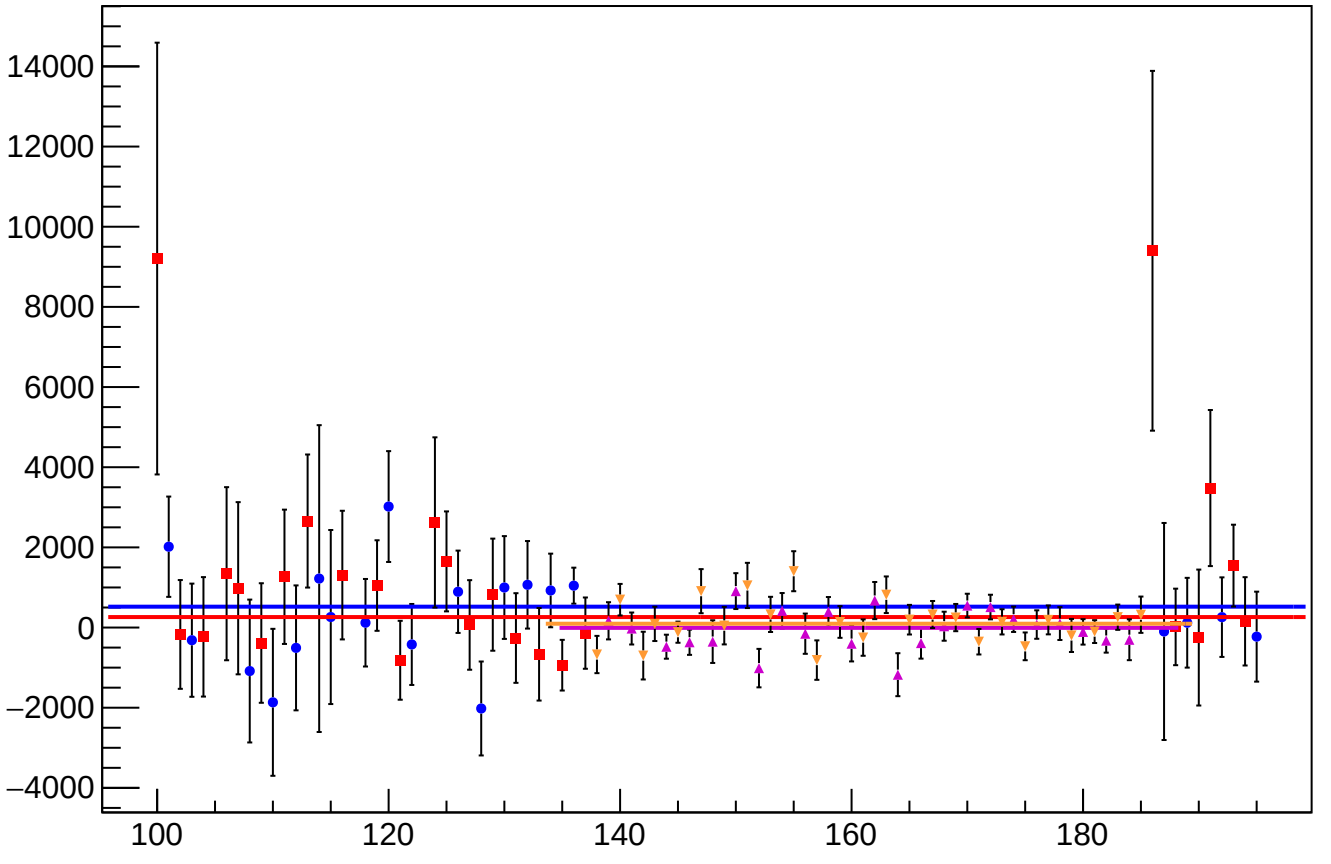
Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636556.3/44

All: 58.498+/-0.006 χ^2/NDF: 6061025.5/92

- sign 59.045+/-0.008 χ^2/NDF: 3415200.5/47



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

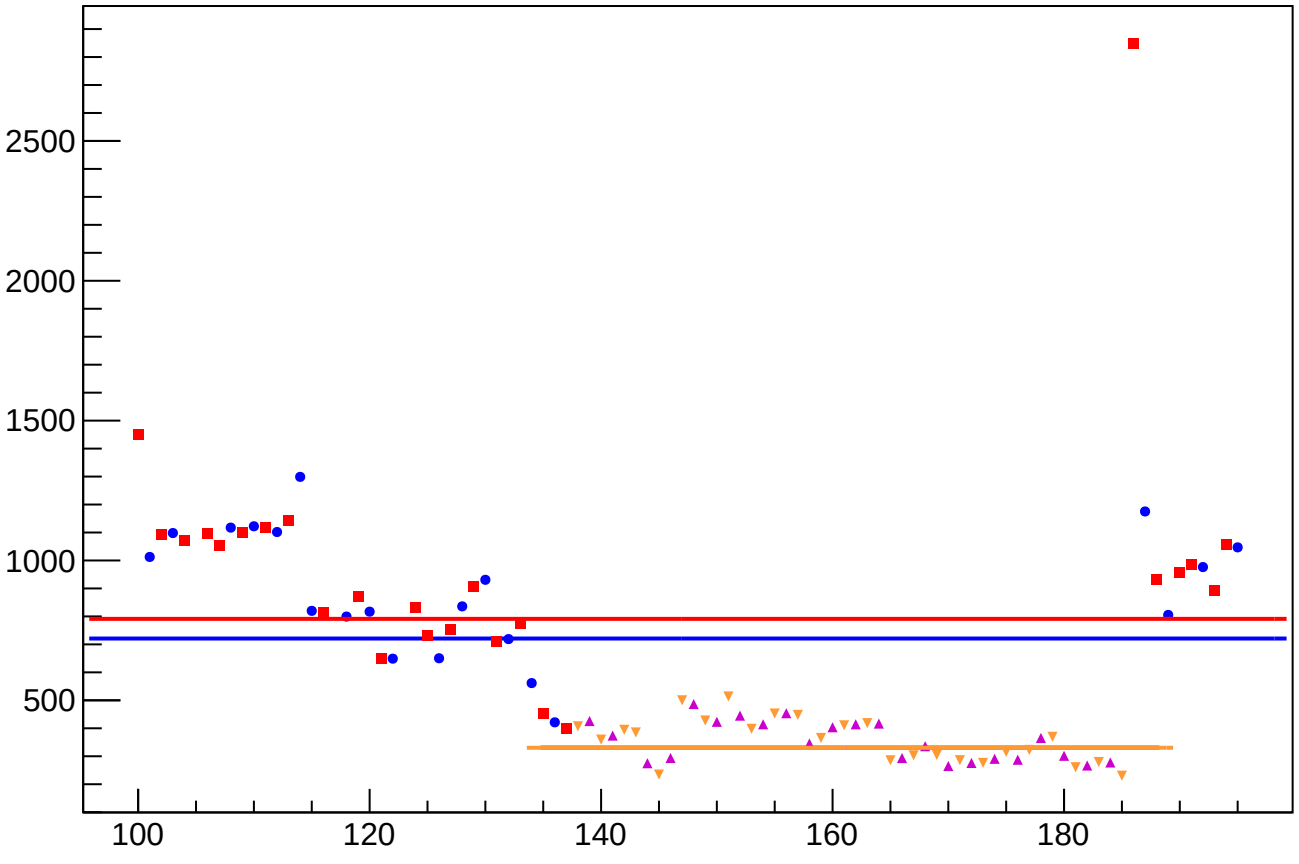
Right Out: 261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 134.080+/-73.548 χ^2/NDF: 52.4/44

All: 76.790+/-52.671 χ^2/NDF: 111.1/92

\- sign 16.473+/-75.466 χ^2/NDF: 57.4/47



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: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

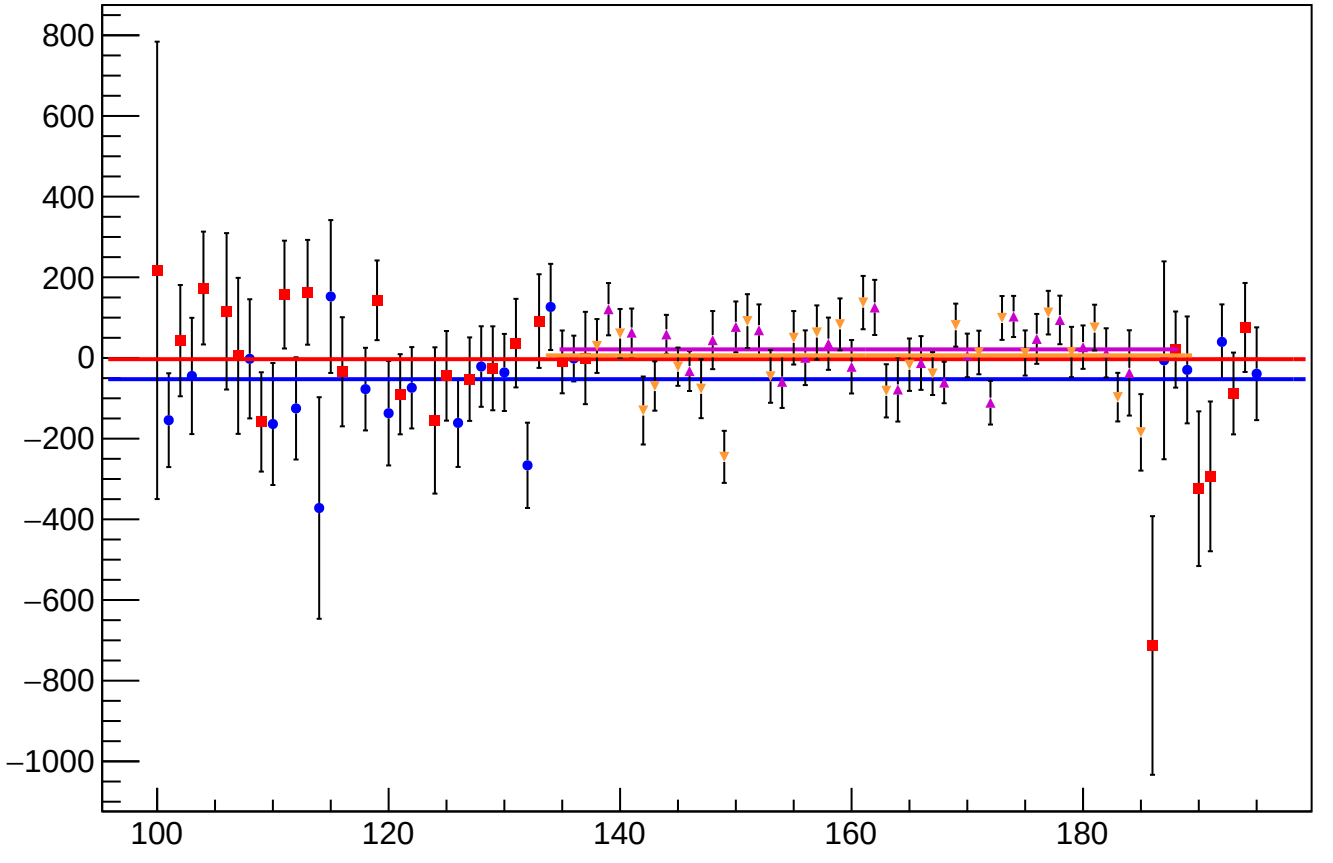
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454933.7/44

All: 369.172+/-0.037 χ^2/NDF: 18113279.6/92

- sign 372.643+/-0.053 χ^2/NDF: 9650095.8/47

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: -2.978+/-24.595 χ^2/NDF: 23.2/24

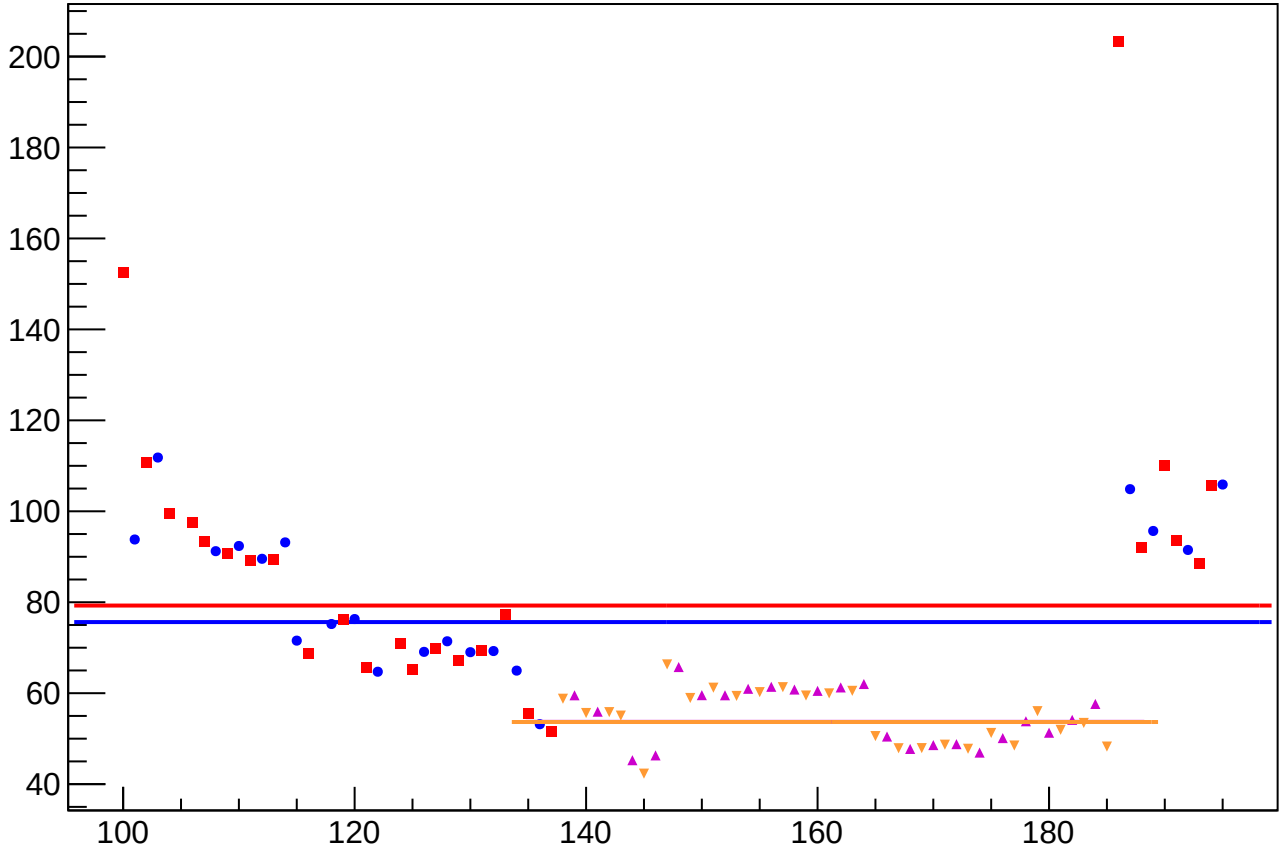
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.060+/-11.017 χ^2/NDF: 69.8/44

All: 5.373+/-7.871 χ^2/NDF: 121.0/92

- sign 16.249+/-11.249 χ^2/NDF: 49.4/47

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

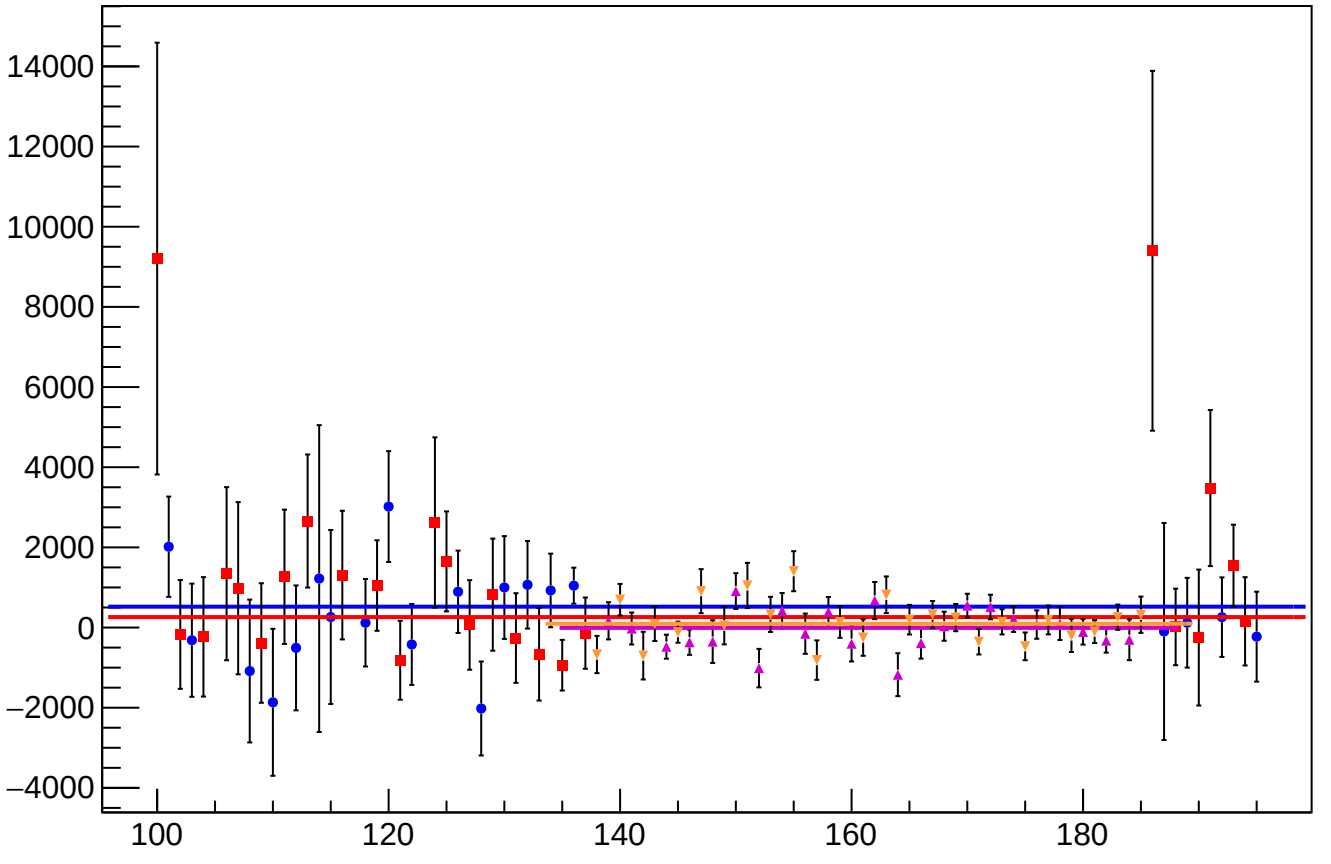
Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.973+/-0.008 χ^2/NDF: 2636556.3/44

All: 58.498+/-0.006 χ^2/NDF: 6061025.5/92

- sign 59.045+/-0.008 χ^2/NDF: 3415200.5/47



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

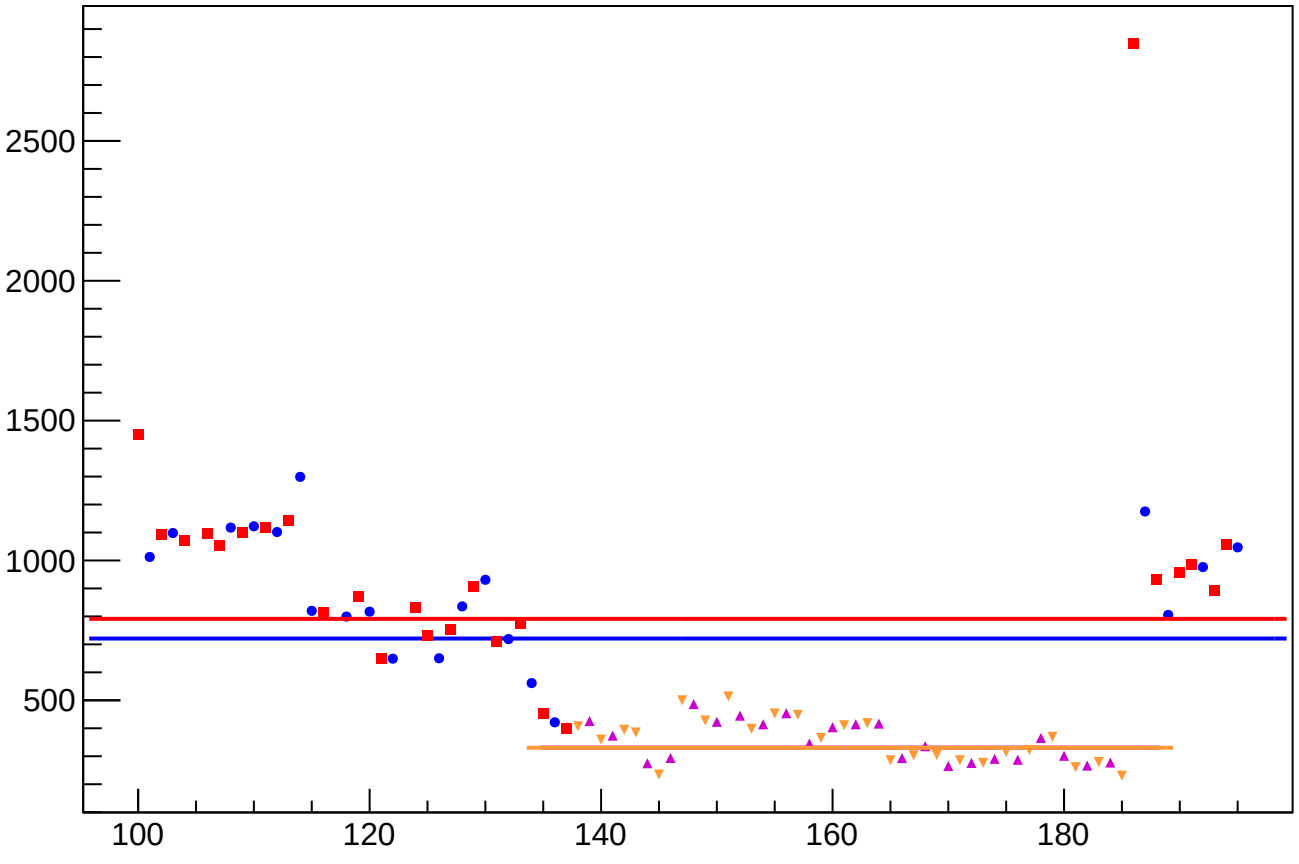
Right Out: 261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.080+/-73.548 χ^2/NDF: 52.4/44

All: 76.790+/-52.671 χ^2/NDF: 111.1/92

- sign 16.473+/-75.466 χ^2/NDF: 57.4/47



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: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

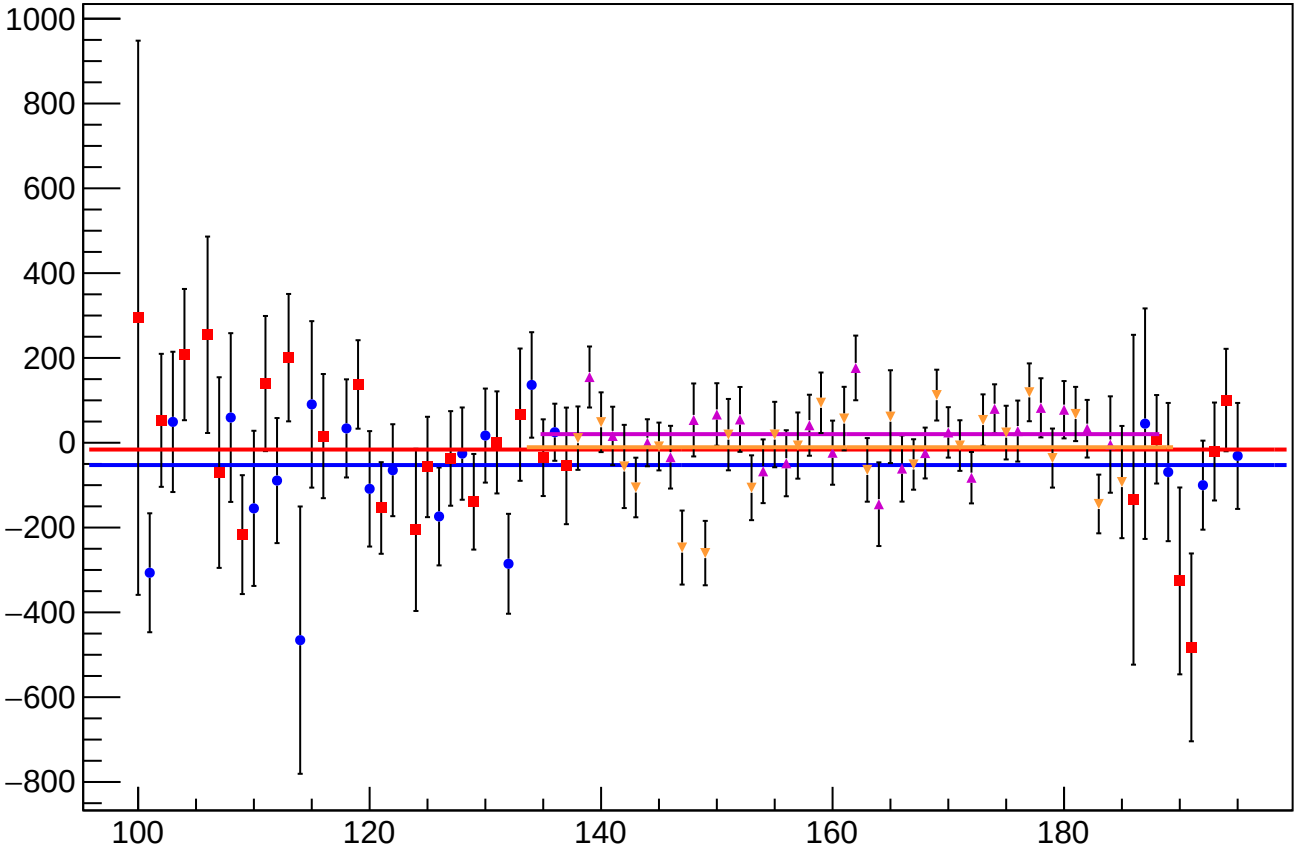
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 365.875+/-0.052 χ^2/NDF: 8454933.7/44

All: 369.172+/-0.037 χ^2/NDF: 18113279.6/92

- sign 372.643+/-0.053 χ^2/NDF: 9650095.8/47

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: -16.017+/-27.651 χ^2/NDF: 23.1/24

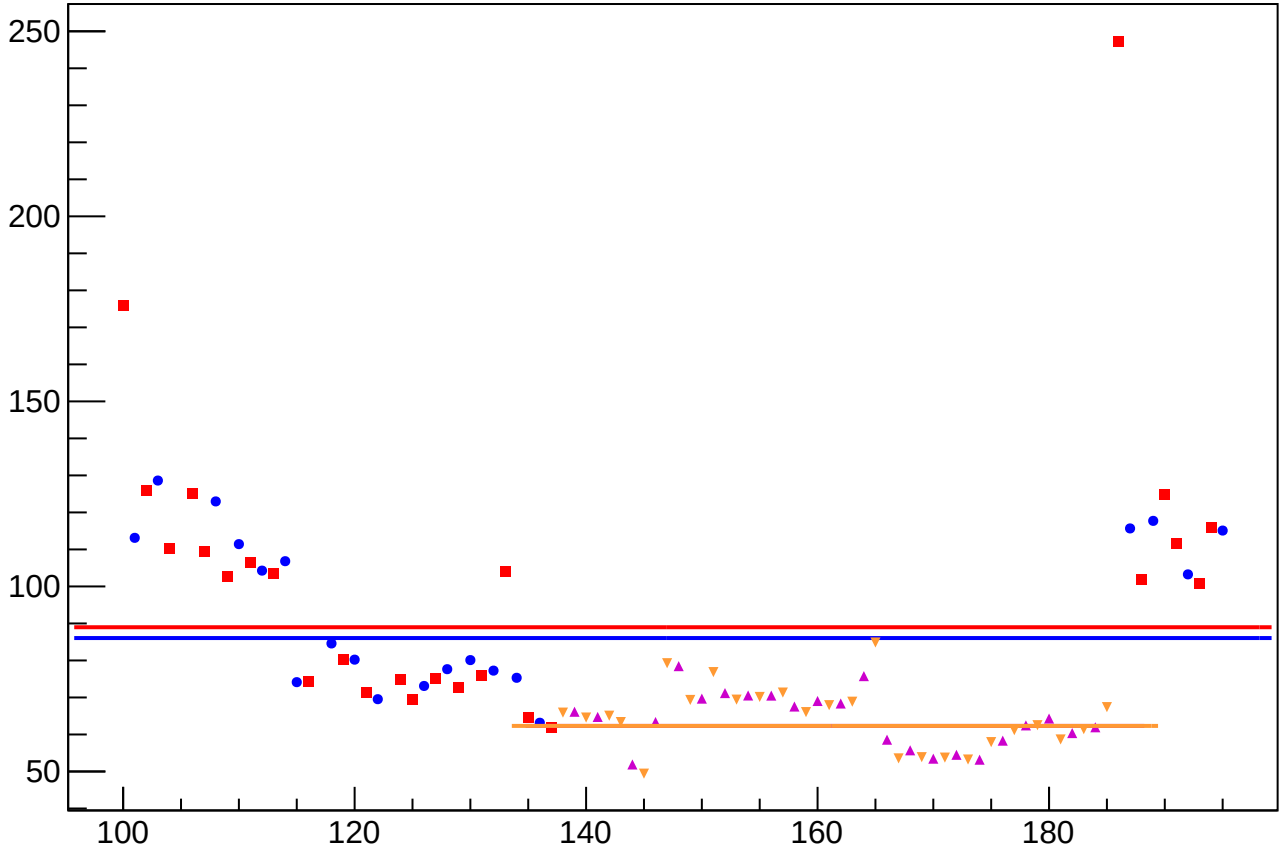
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.132+/-12.777 χ^2/NDF: 60.8/44

All: -3.725+/-9.117 χ^2/NDF: 109.8/92

- sign 12.259+/-13.014 χ^2/NDF: 46.1/47

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

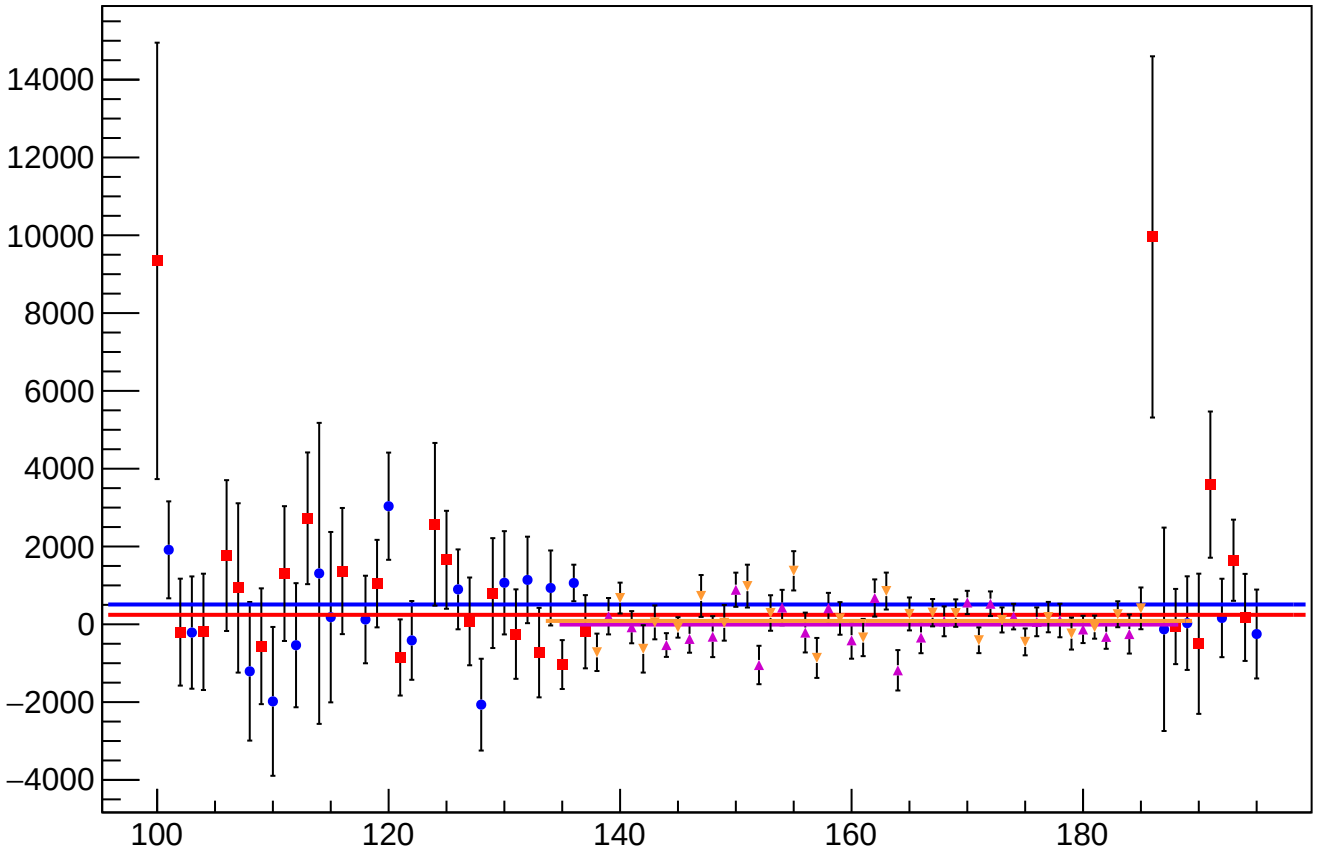
Right Out: 88.975+/-0.020 χ^2/NDF: 1359294.4/24

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 67.131+/-0.009 χ^2/NDF: 2724857.7/44

All: 67.664+/-0.006 χ^2/NDF: 6023674.3/92

- sign 68.217+/-0.009 χ^2/NDF: 3291725.9/47



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: 243.753+/-253.339 χ^2/NDF: 26.2/24

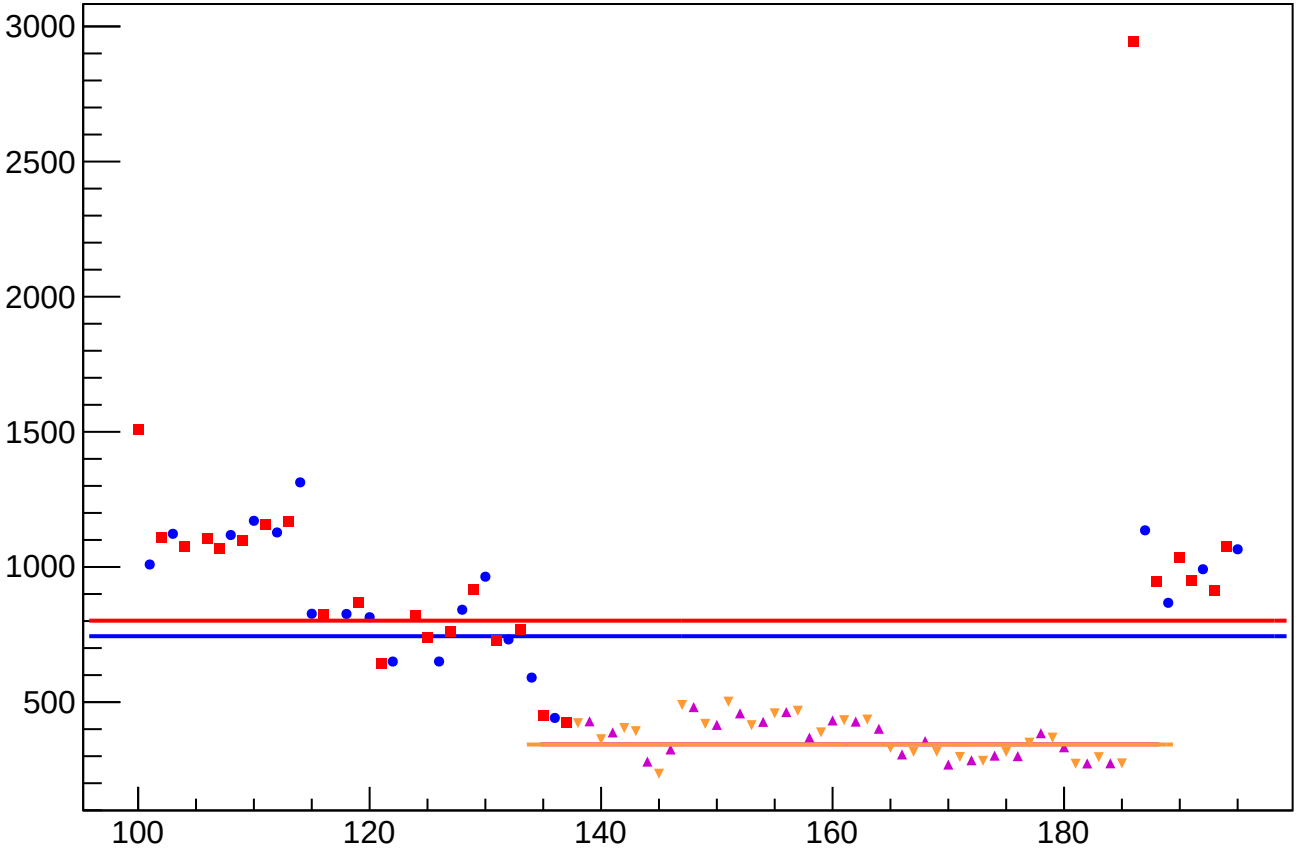
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 125.868+/-76.073 χ^2/NDF: 50.9/44

All: 73.015+/-54.498 χ^2/NDF: 111.4/92

- sign 17.293+/-78.110 χ^2/NDF: 59.5/47

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: 801.403+/-0.179 χ^2/NDF: 2233826.6/24

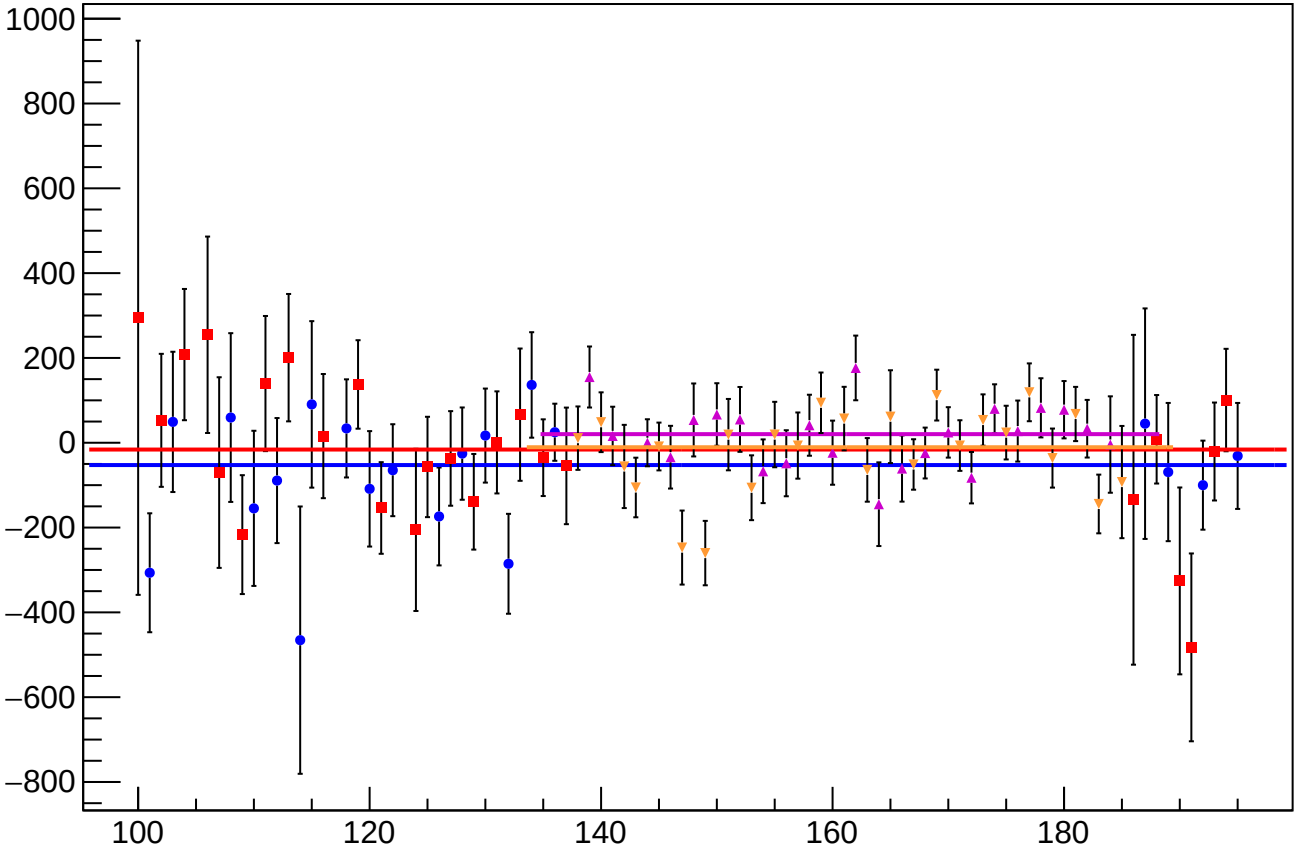
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 380.111+/-0.054 χ^2/NDF: 8153682.9/44

All: 383.575+/-0.039 χ^2/NDF: 17561561.2/92

- sign 387.226+/-0.055 χ^2/NDF: 9399362.8/47

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: -16.018+/-27.651 χ^2/NDF: 23.1/24

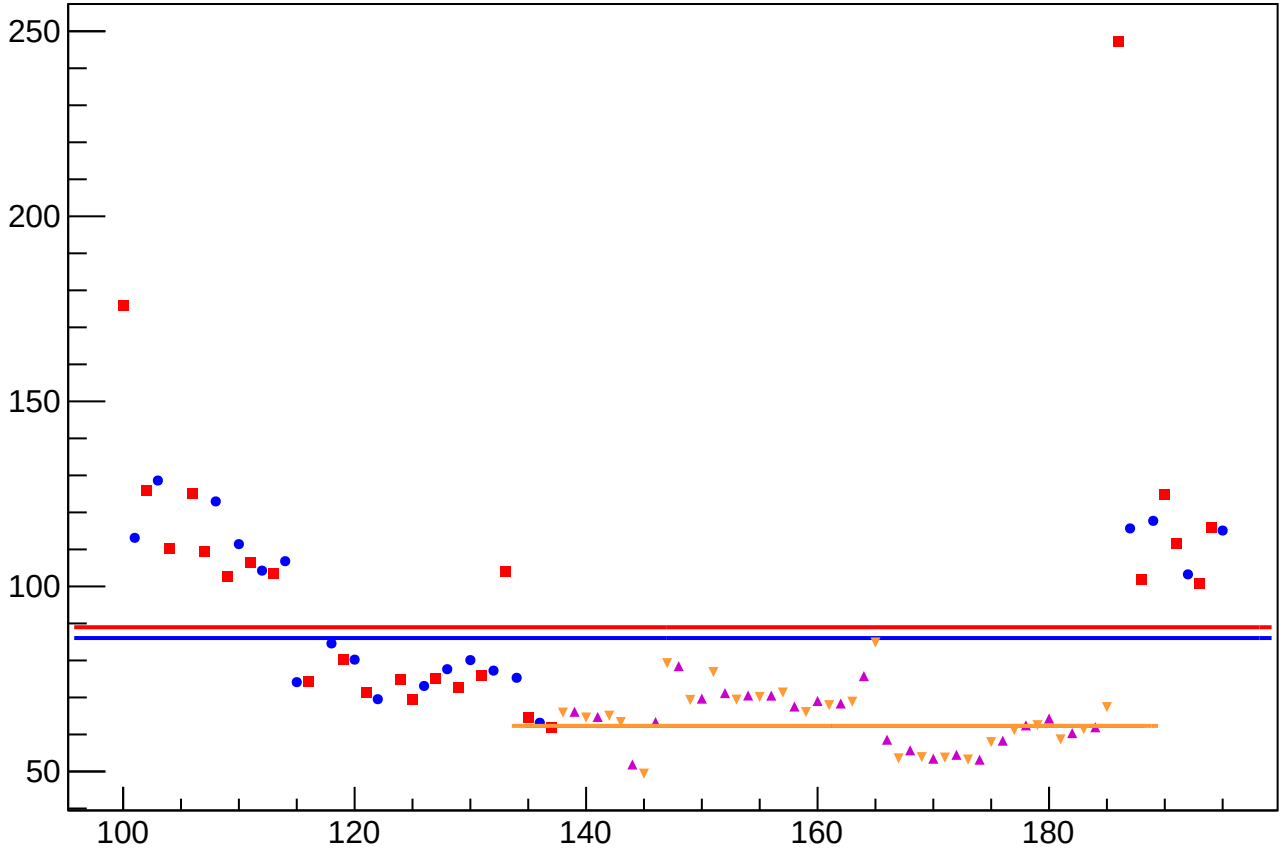
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.132+/-12.777 χ^2/NDF: 60.8/44

All: -3.725+/-9.117 χ^2/NDF: 109.8/92

- sign 12.259+/-13.014 χ^2/NDF: 46.1/47

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

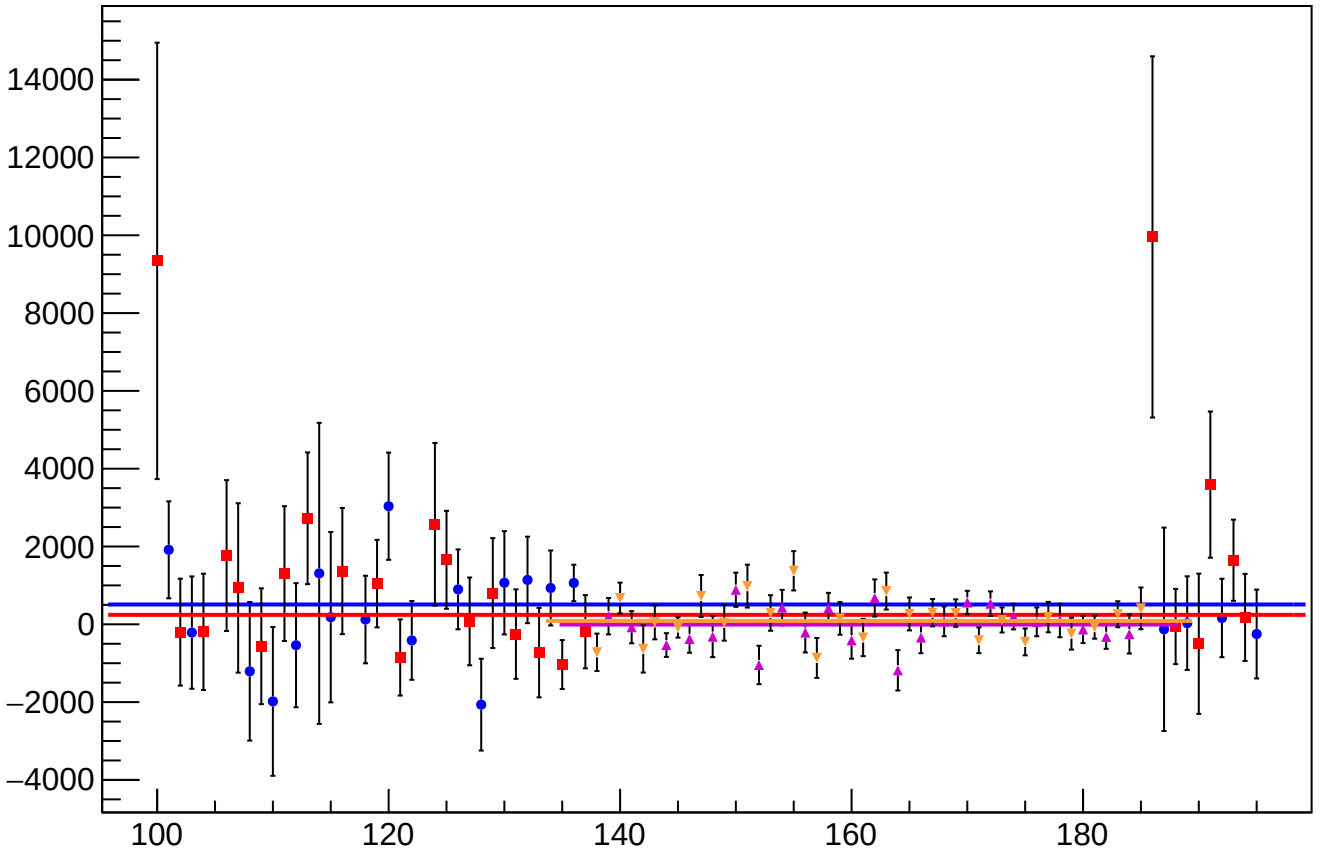
Right Out: 88.975+/-0.020 χ^2/NDF: 1359281.1/24

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 67.131+/-0.009 χ^2/NDF: 2724825.9/44

All: 67.664+/-0.006 χ^2/NDF: 6023583.6/92

- sign 68.217+/-0.009 χ^2/NDF: 3291665.2/47



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: 243.754+/-253.339 χ^2/NDF: 26.2/24

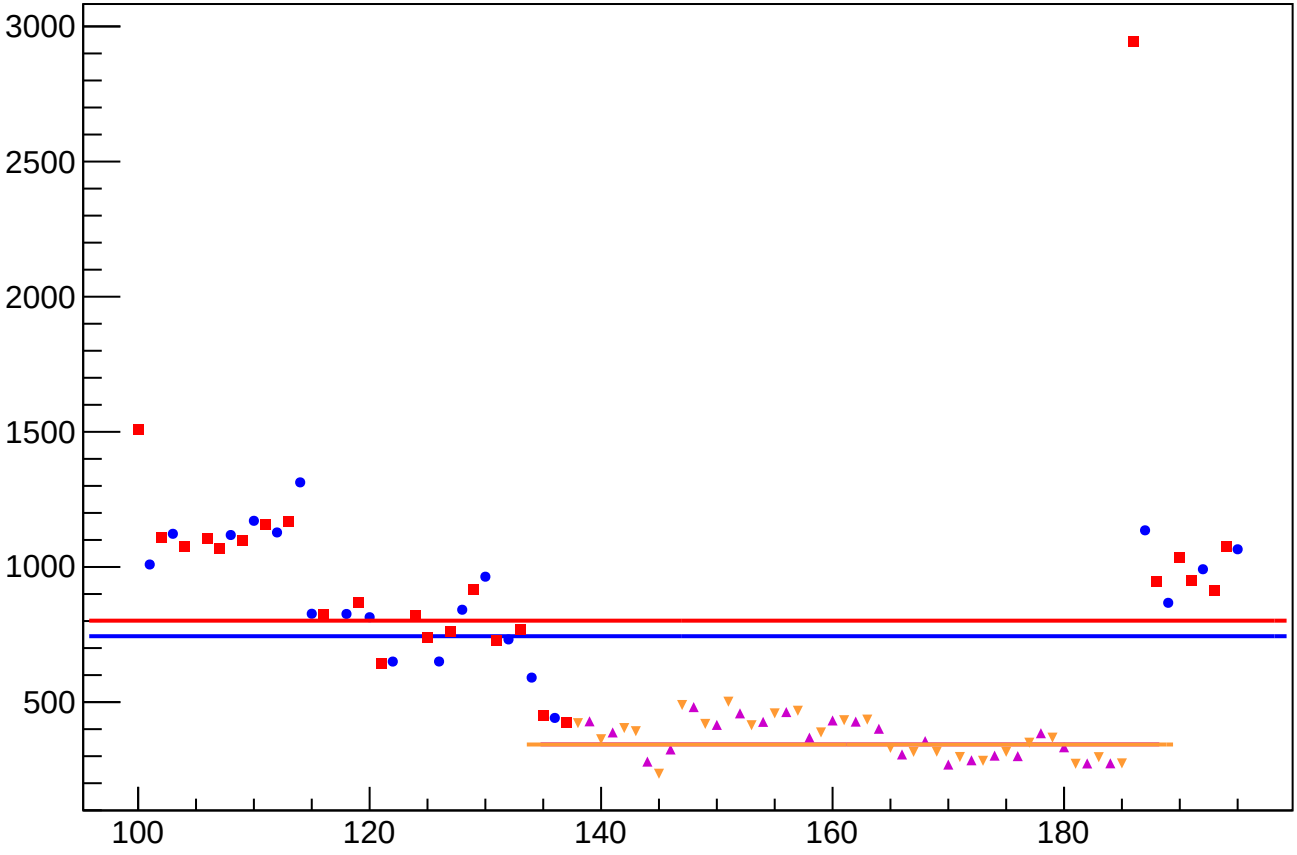
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 125.869+/-76.073 χ^2/NDF: 50.9/44

All: 73.015+/-54.498 χ^2/NDF: 111.4/92

- sign 17.292+/-78.110 χ^2/NDF: 59.5/47

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



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: 801.402+/-0.179 χ^2/NDF: 2233819.0/24

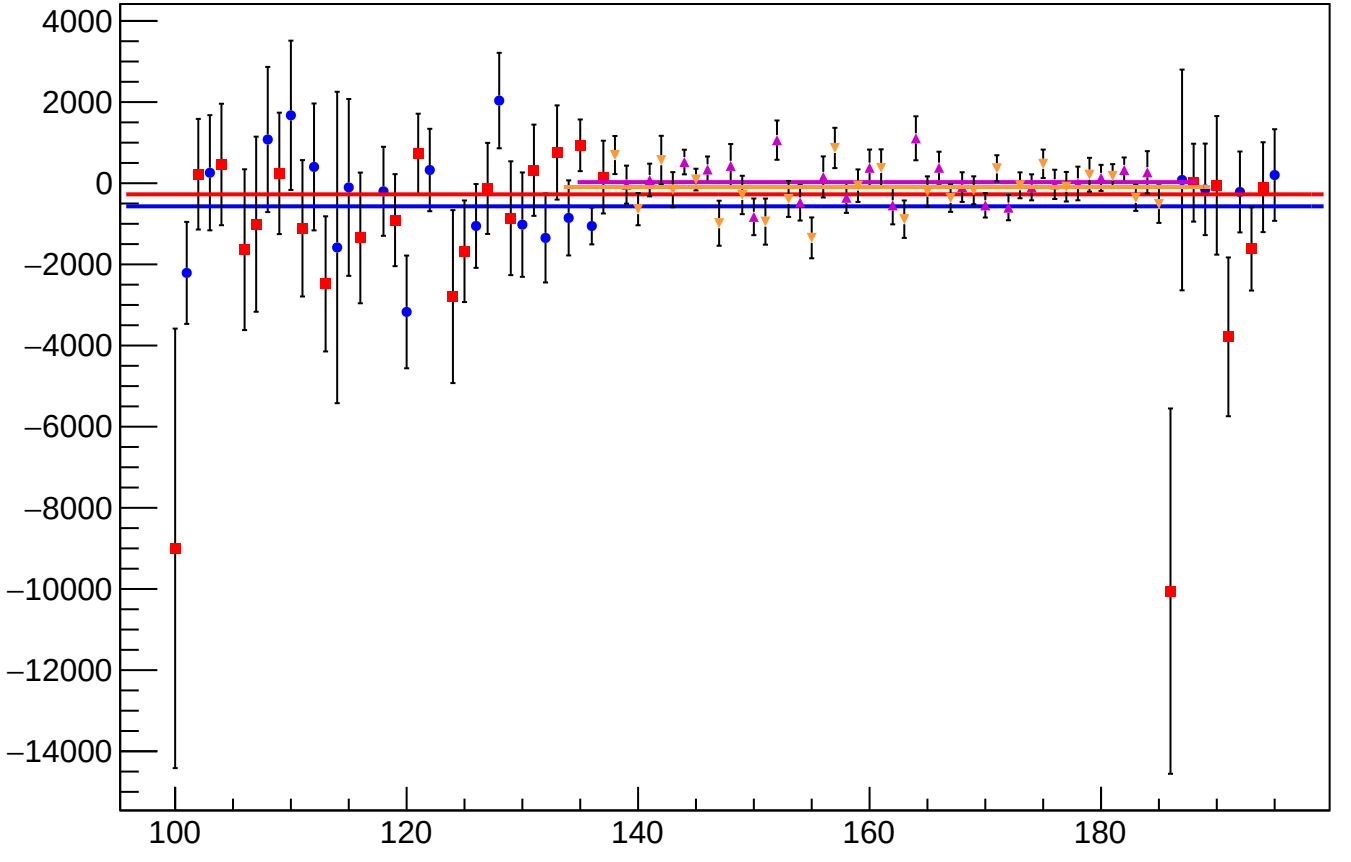
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 380.111+/-0.054 χ^2/NDF: 8153684.3/44

All: 383.575+/-0.039 χ^2/NDF: 17561556.3/92

- sign 387.226+/-0.055 χ^2/NDF: 9399356.3/47

asym_sam_15_26_dd_mean vs Slug



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: -273.353+/-252.062 χ^2/NDF: 25.0/24

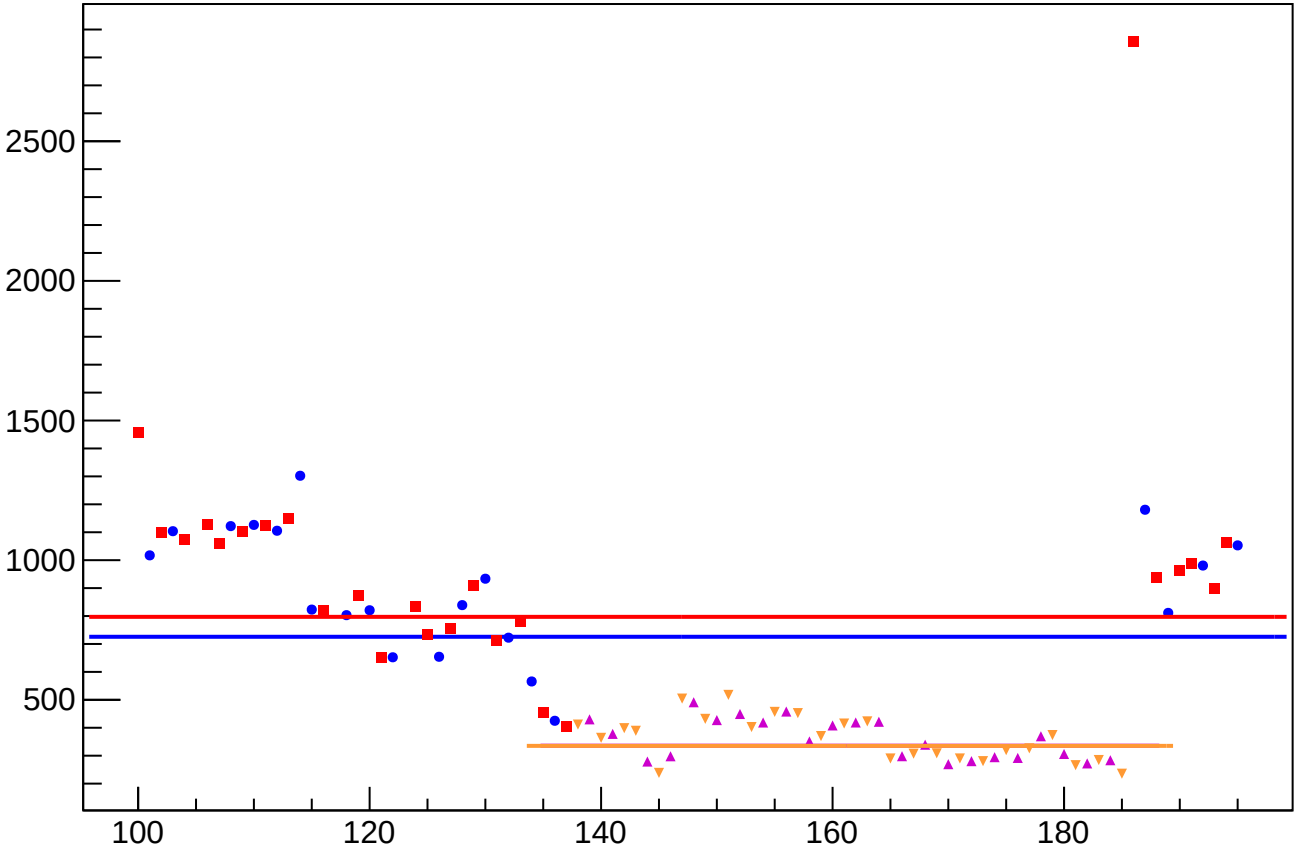
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -136.537+/-74.498 χ^2/NDF: 54.7/44

All: -70.240+/-53.349 χ^2/NDF: 113.5/92

- sign -0.458+/-76.431 χ^2/NDF: 57.2/47

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

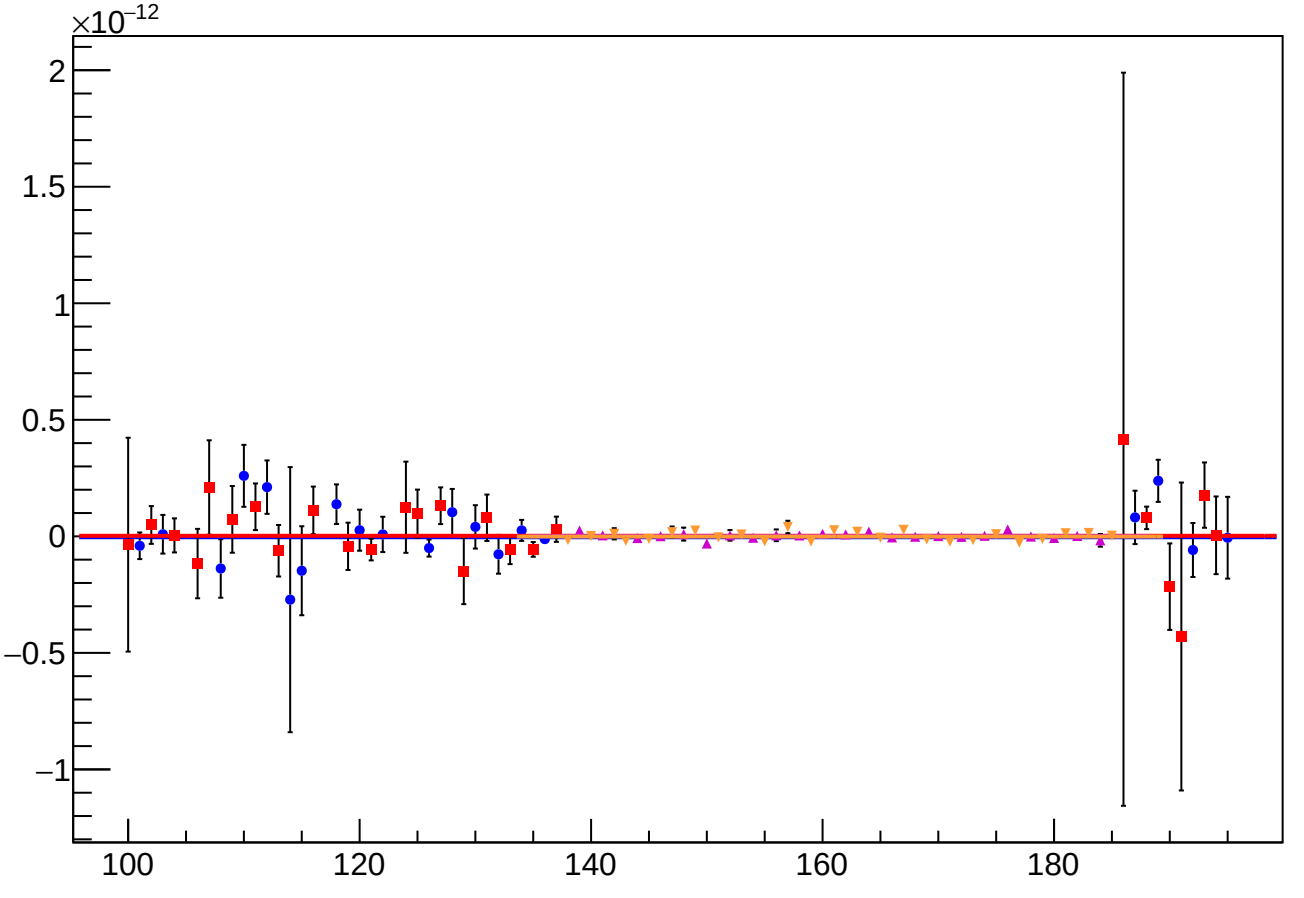
Right Out: 797.101+/-0.178 χ^2/NDF: 2212546.9/24

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 371.109+/-0.053 χ^2/NDF: 8328237.7/44

All: 374.565+/-0.038 χ^2/NDF: 17924022.8/92

- sign 378.202+/-0.054 χ^2/NDF: 9586952.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

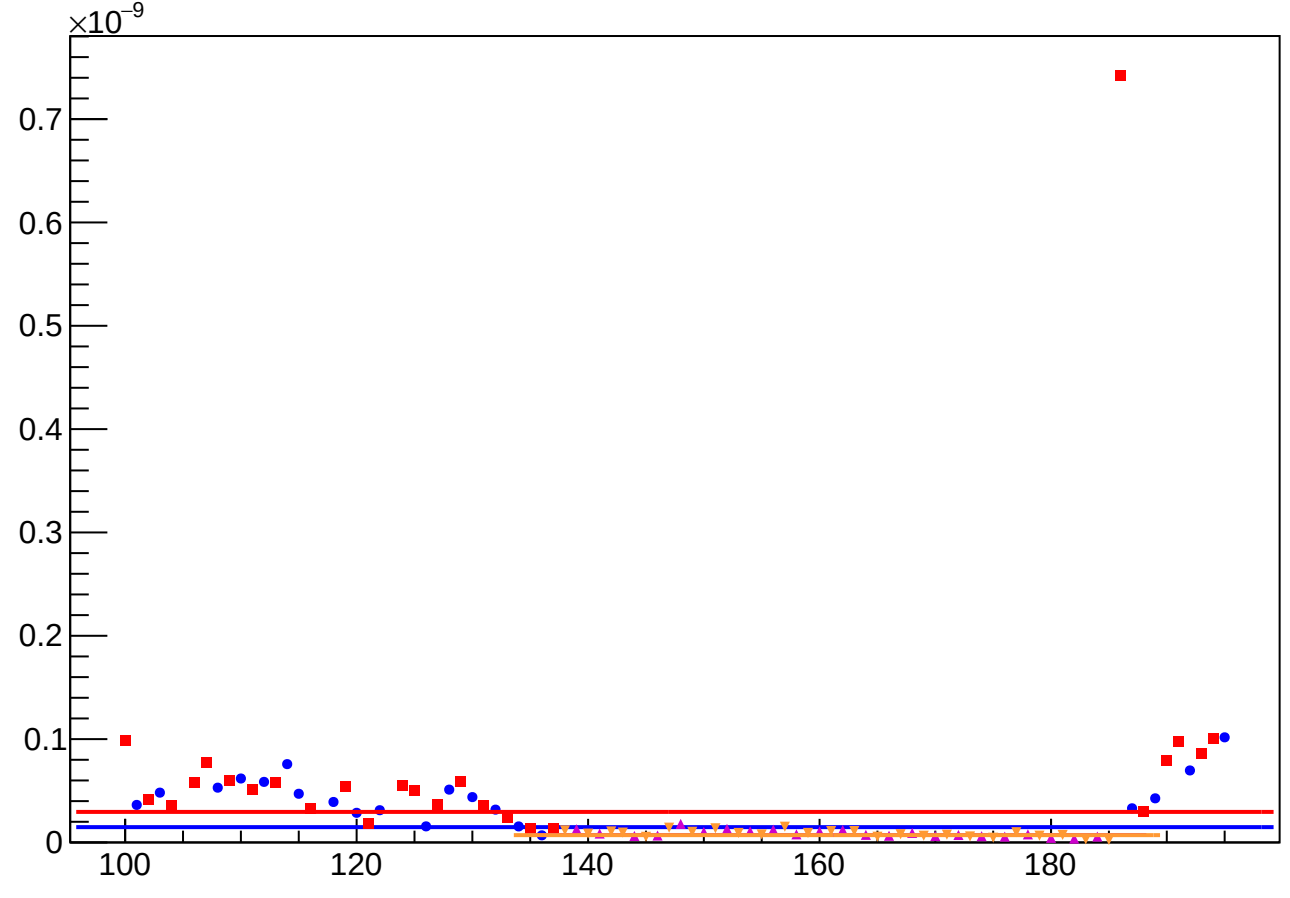
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

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: 97.2/92

- sign 0.000+/-0.000 χ^2/NDF: 38.1/47



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: 3037178.9/24

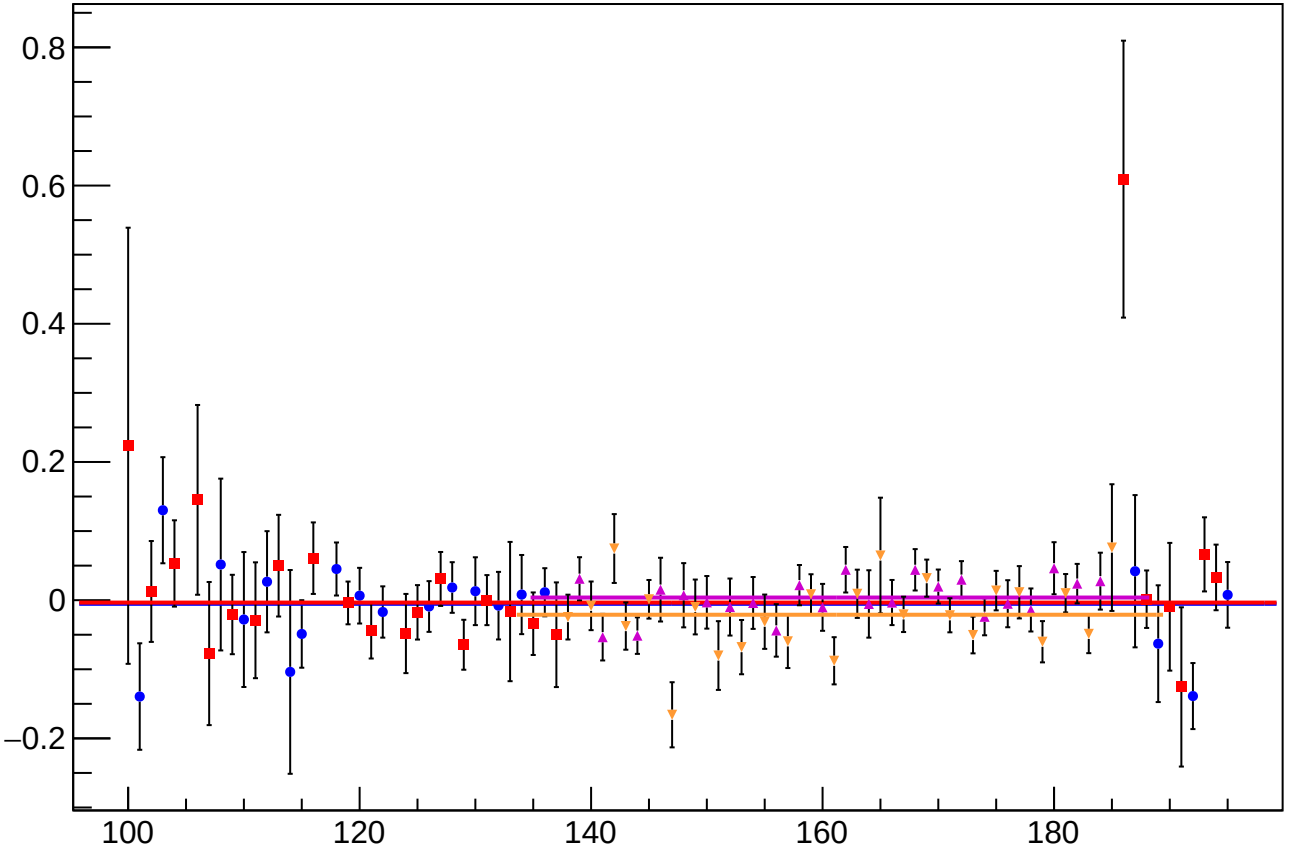
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7309190.4/44

All: 0.000+/-0.000 χ^2/NDF: 15711821.9/92

- sign 0.000+/-0.000 χ^2/NDF: 8389541.2/47

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

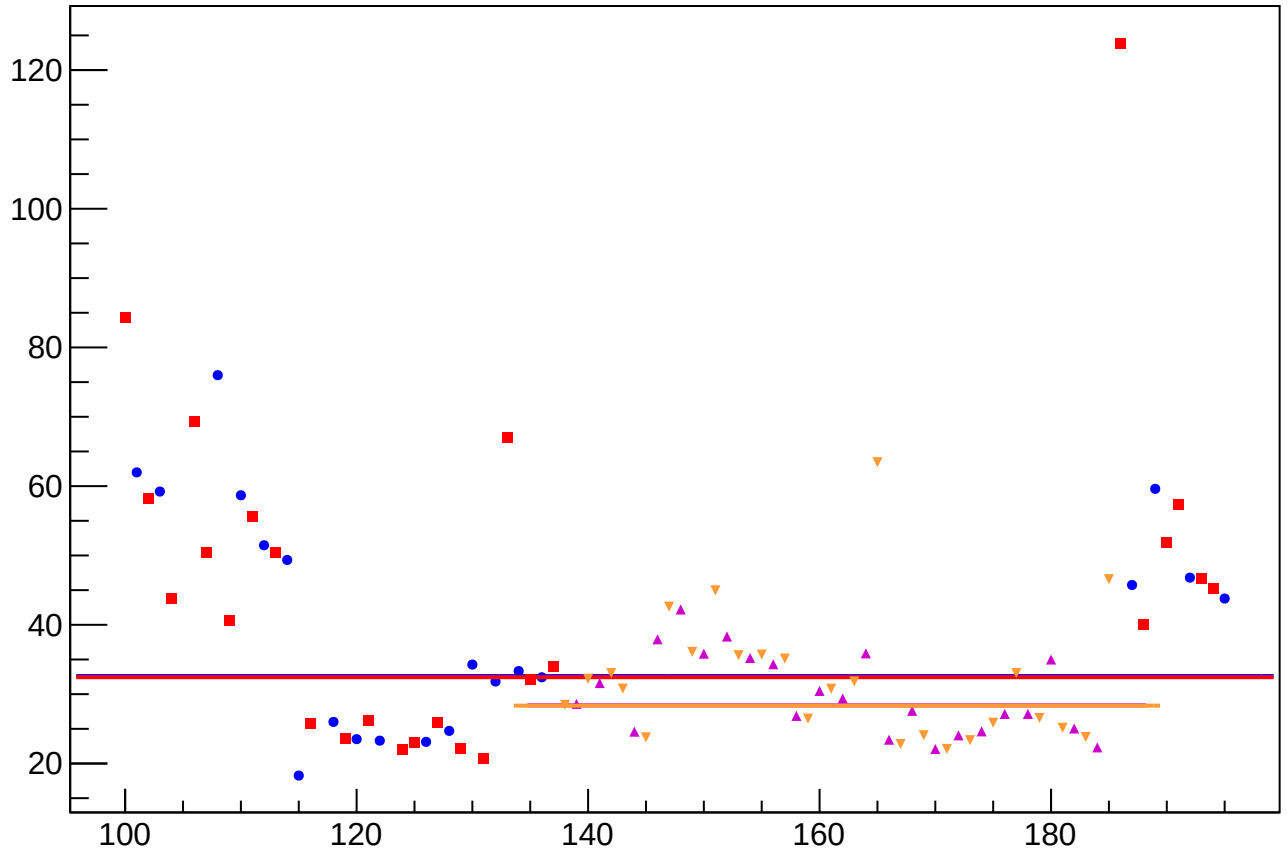
Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.008+/-0.004 χ^2/NDF: 106.4/92

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47



Right In: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

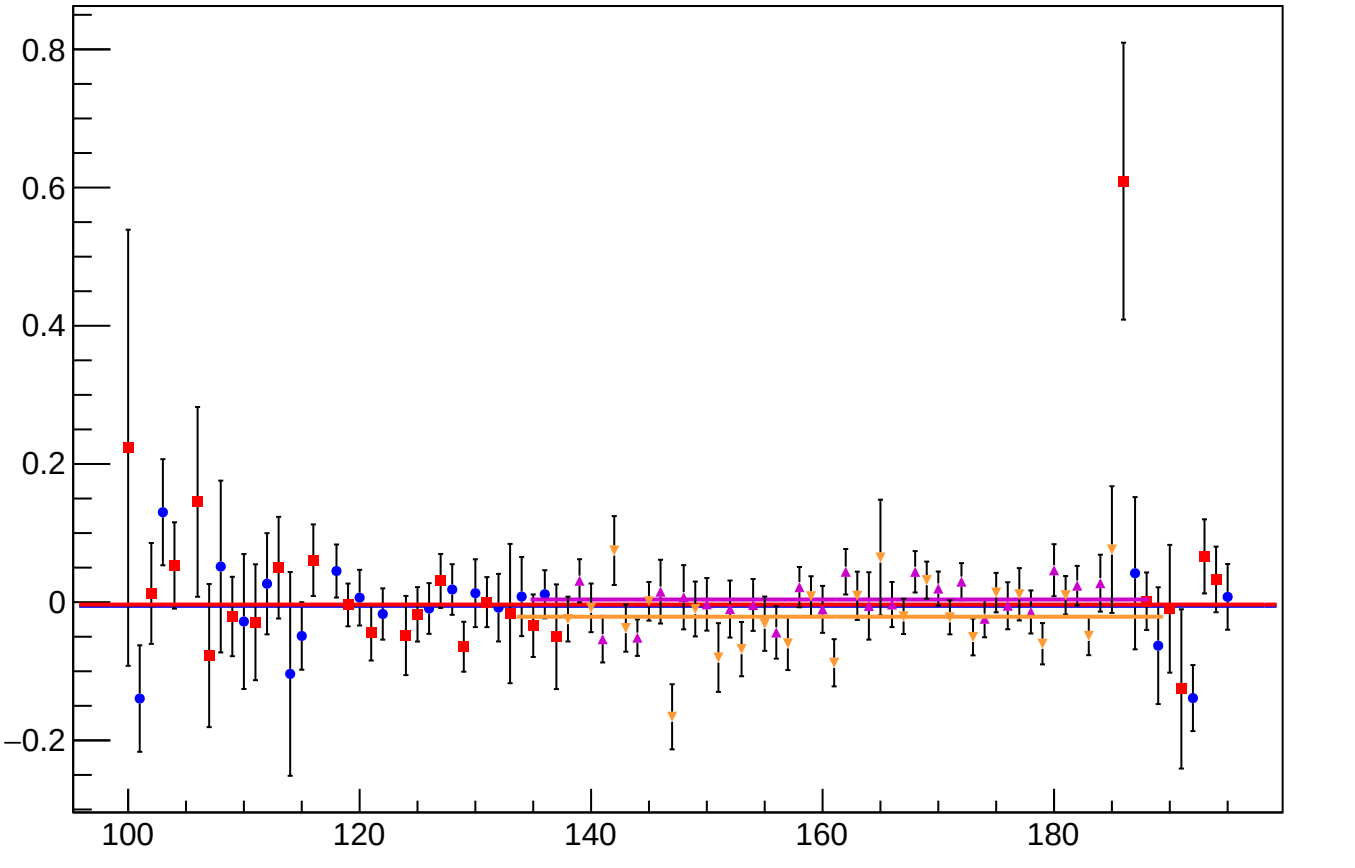
Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.433+/-0.004 χ^2/NDF: 4227606.9/44

All: 29.502+/-0.003 χ^2/NDF: 8459367.5/92

- sign 29.573+/-0.004 χ^2/NDF: 4231174.3/47



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

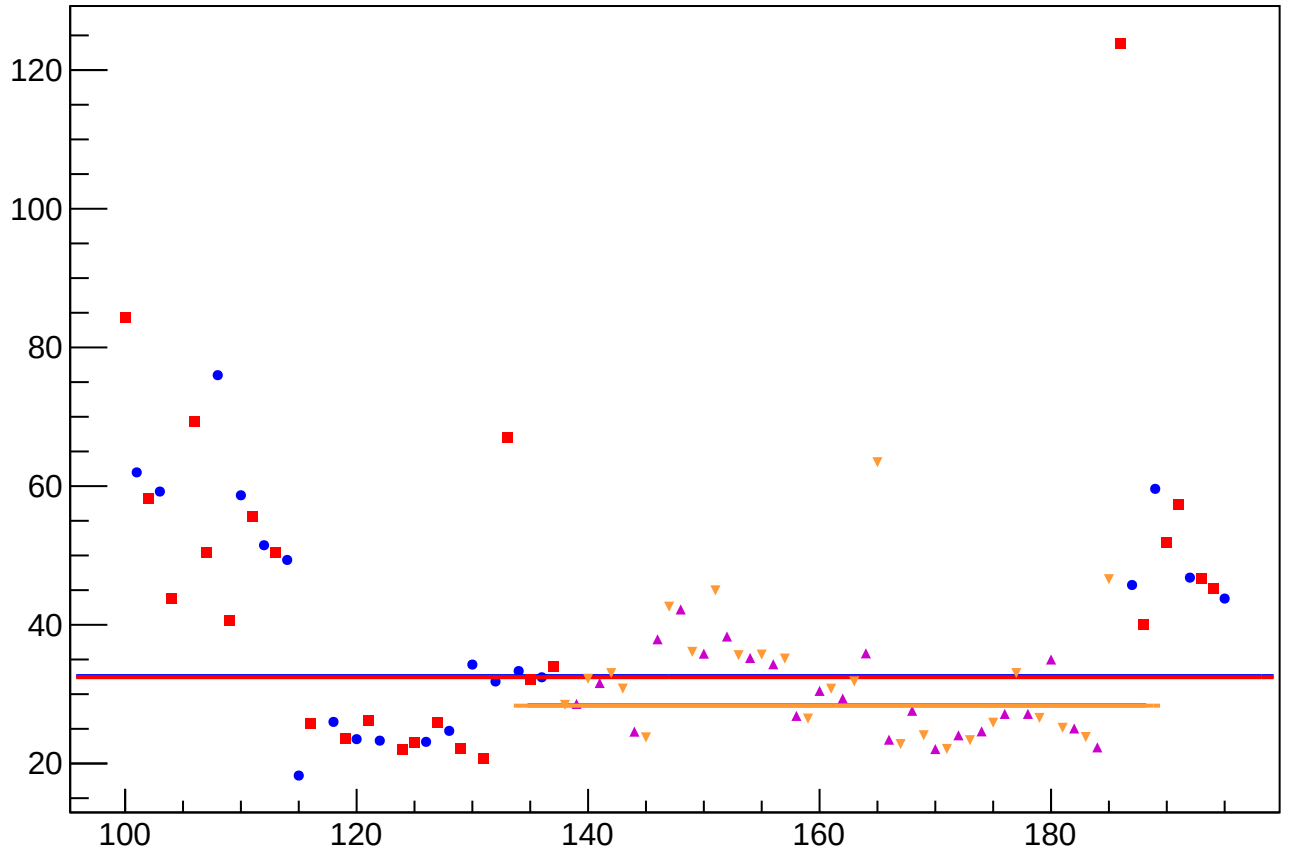
Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.008+/-0.004 χ^2/NDF: 106.4/92

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47



Right In: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

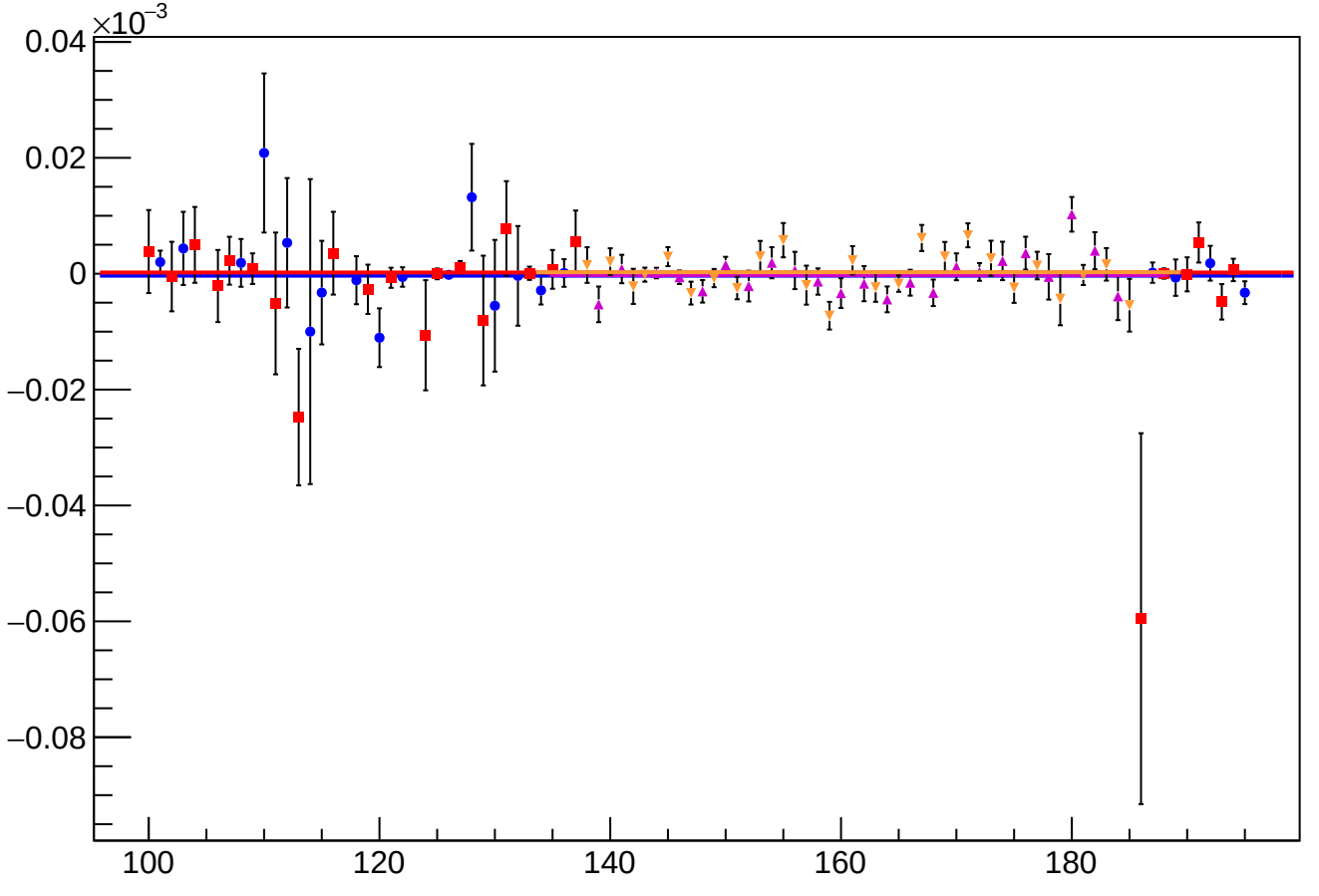
Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.433+/-0.004 χ^2/NDF: 4227606.9/44

All: 29.502+/-0.003 χ^2/NDF: 8459367.5/92

- sign 29.573+/-0.004 χ^2/NDF: 4231174.3/47



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: 20.0/24

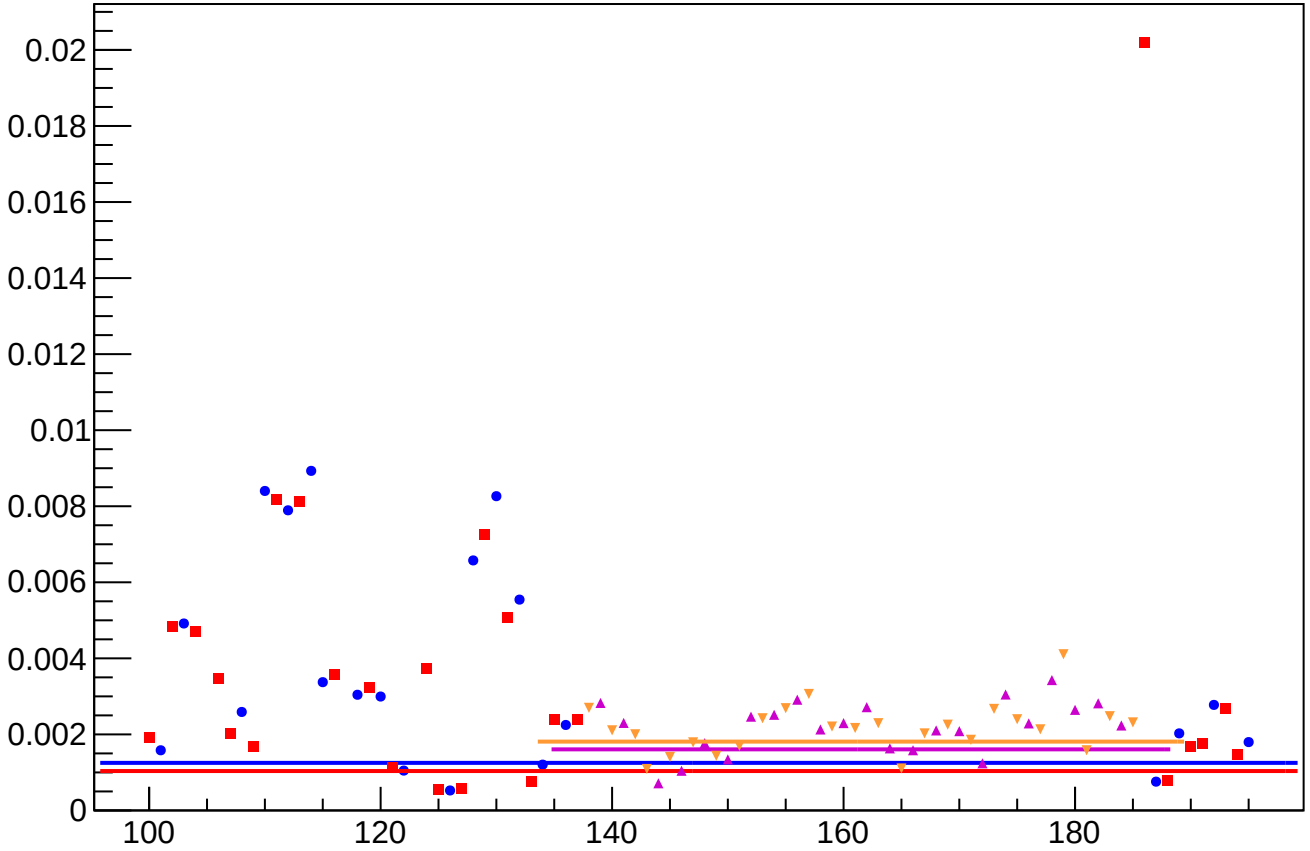
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/44

All: -0.000+/-0.000 χ^2/NDF: 121.3/92

- sign -0.000+/-0.000 χ^2/NDF: 53.8/47

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7871837.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

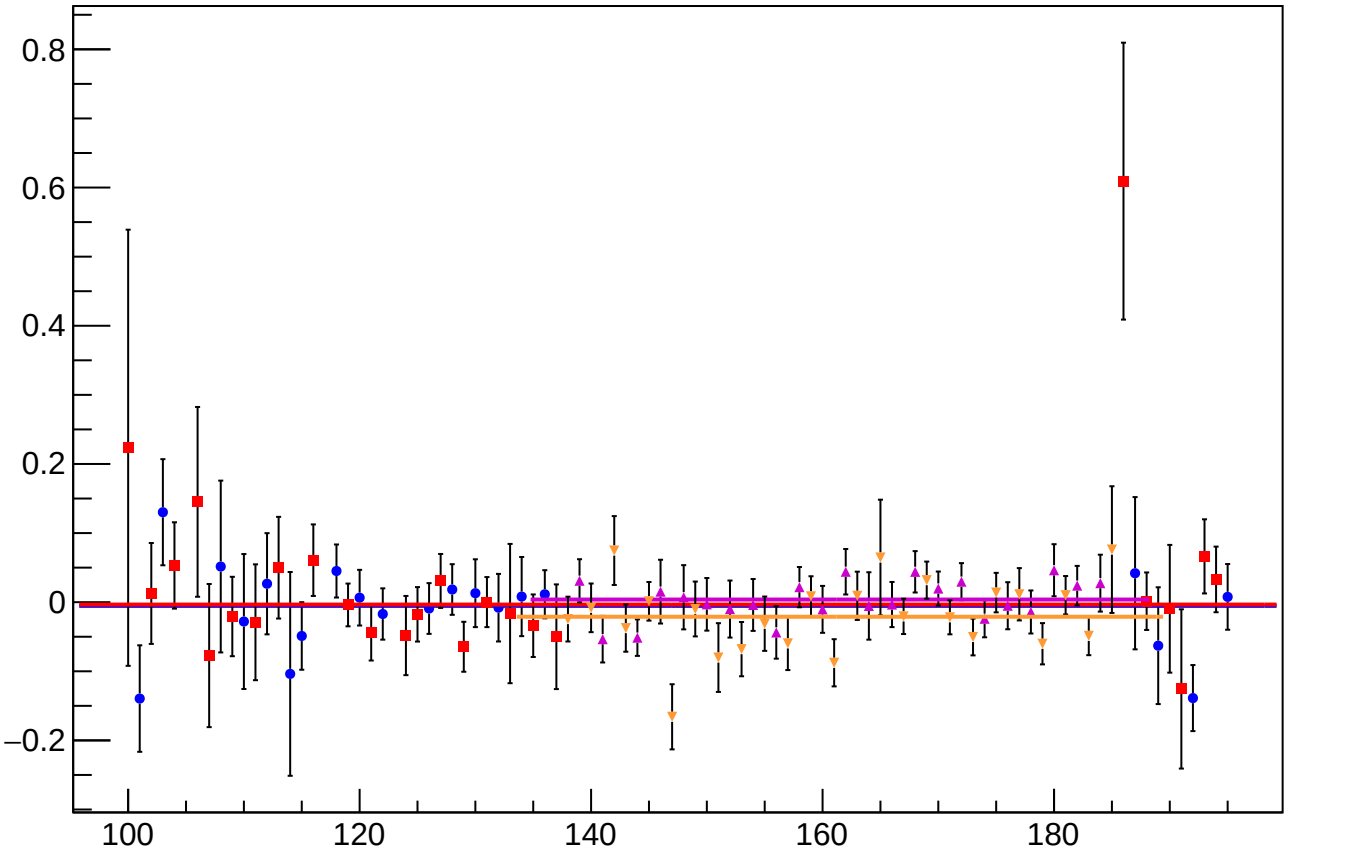
Right Out: 0.001+/-0.000 χ^2/NDF: 8679615.6/24

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: 29817237.7/92

- sign 0.001+/-0.000 χ^2/NDF: 16512323.8/47



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

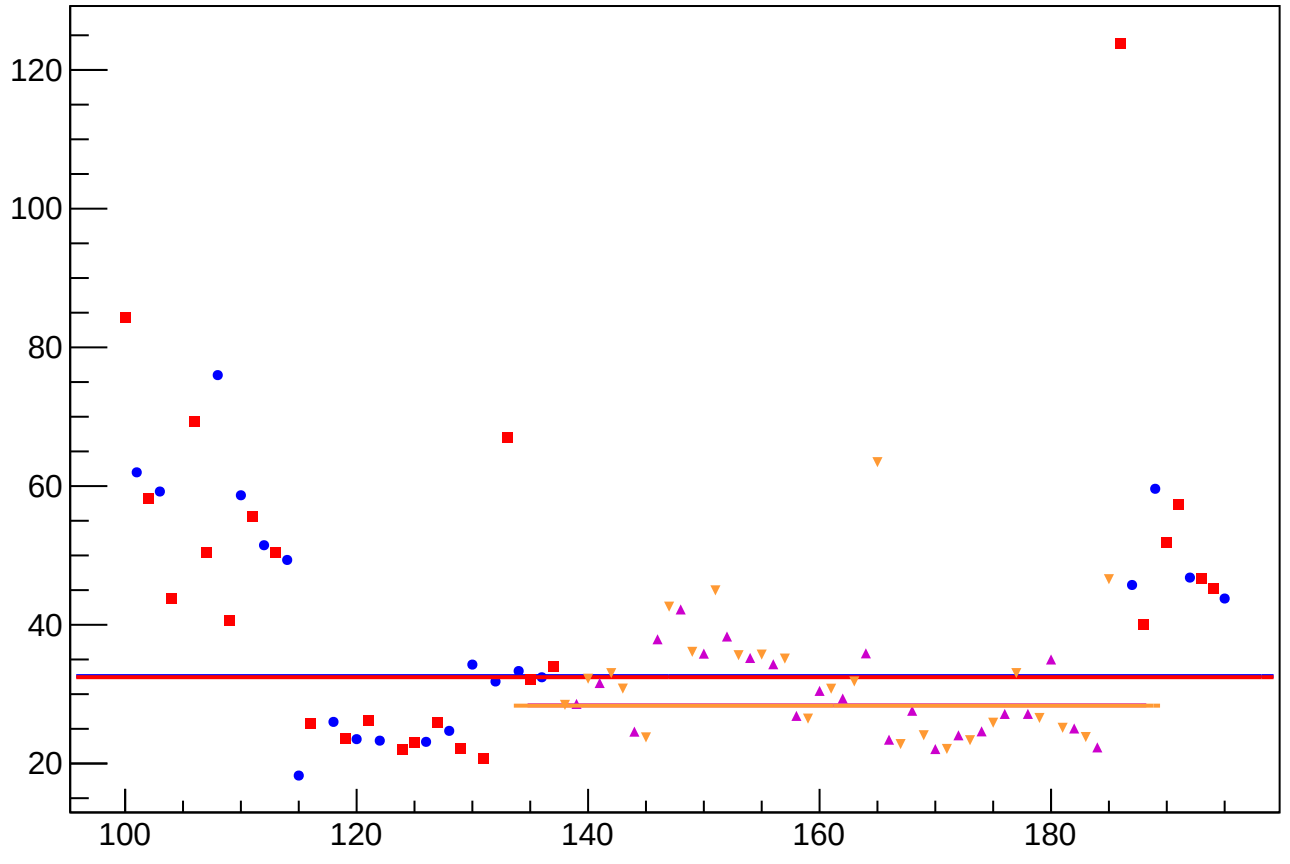
Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.7/44

All: -0.008+/-0.004 χ^2/NDF: 106.4/92

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

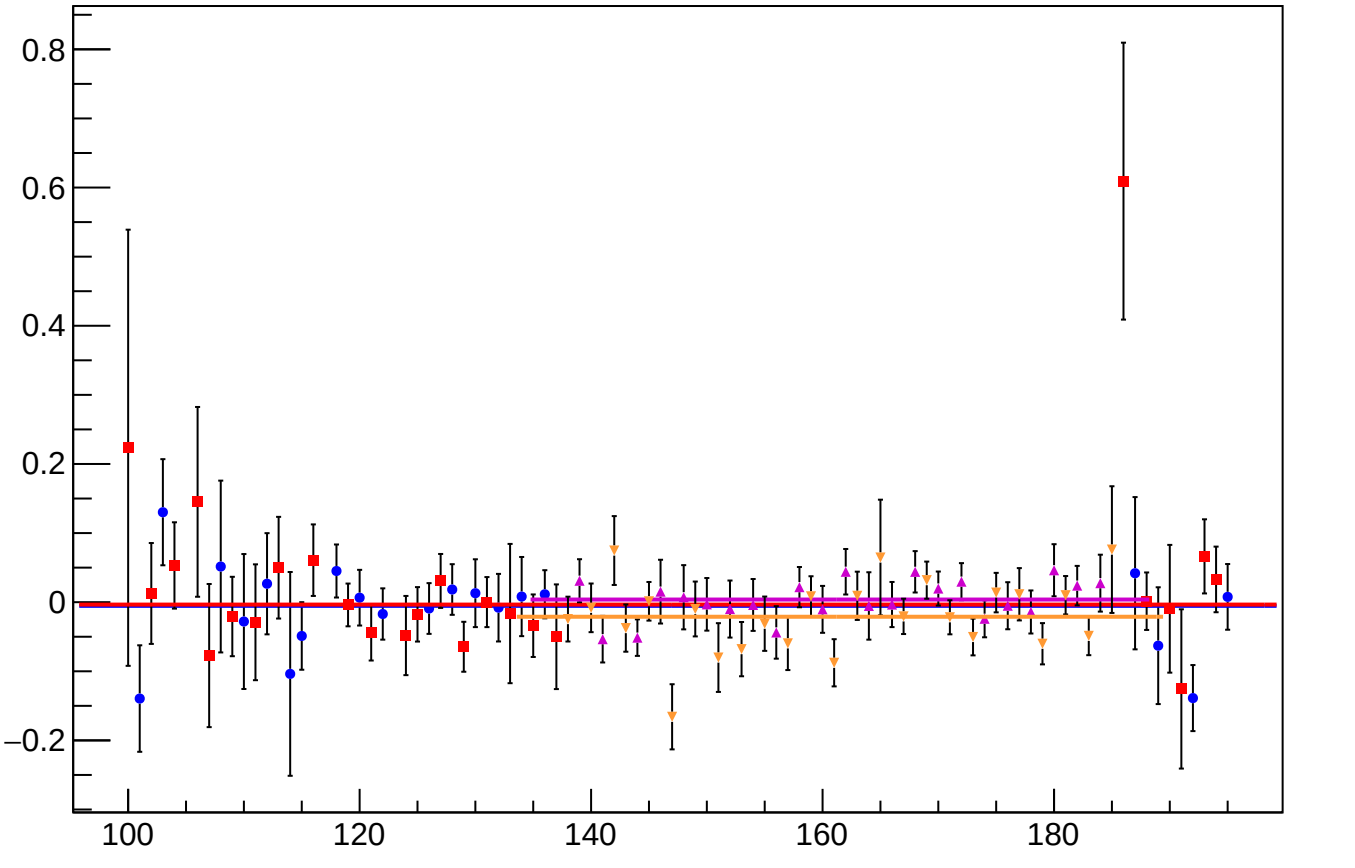
Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

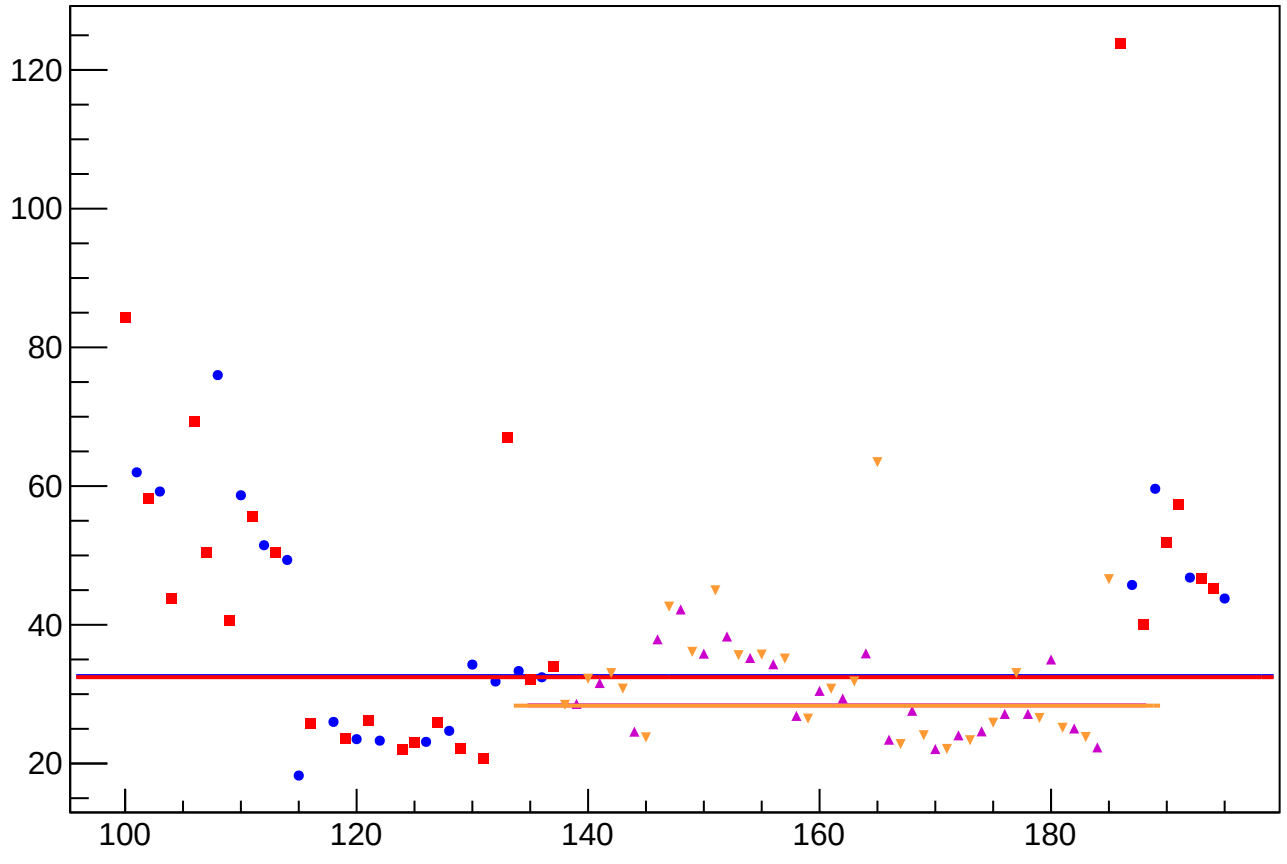
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.433+/-0.004 χ^2/NDF: 4227447.0/44

All: 29.503+/-0.003 χ^2/NDF: 8459156.8/92

\- sign 29.573+/-0.004 χ^2/NDF: 4231123.4/47


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
Right In: -0.005+/-0.011 χ²/NDF: 19.1/19
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.003+/-0.011 χ²/NDF: 24.3/24
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 57.7/44
All: -0.008+/-0.004 χ²/NDF: 106.4/92
- sign 0.002+/-0.006 χ²/NDF: 43.4/47



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

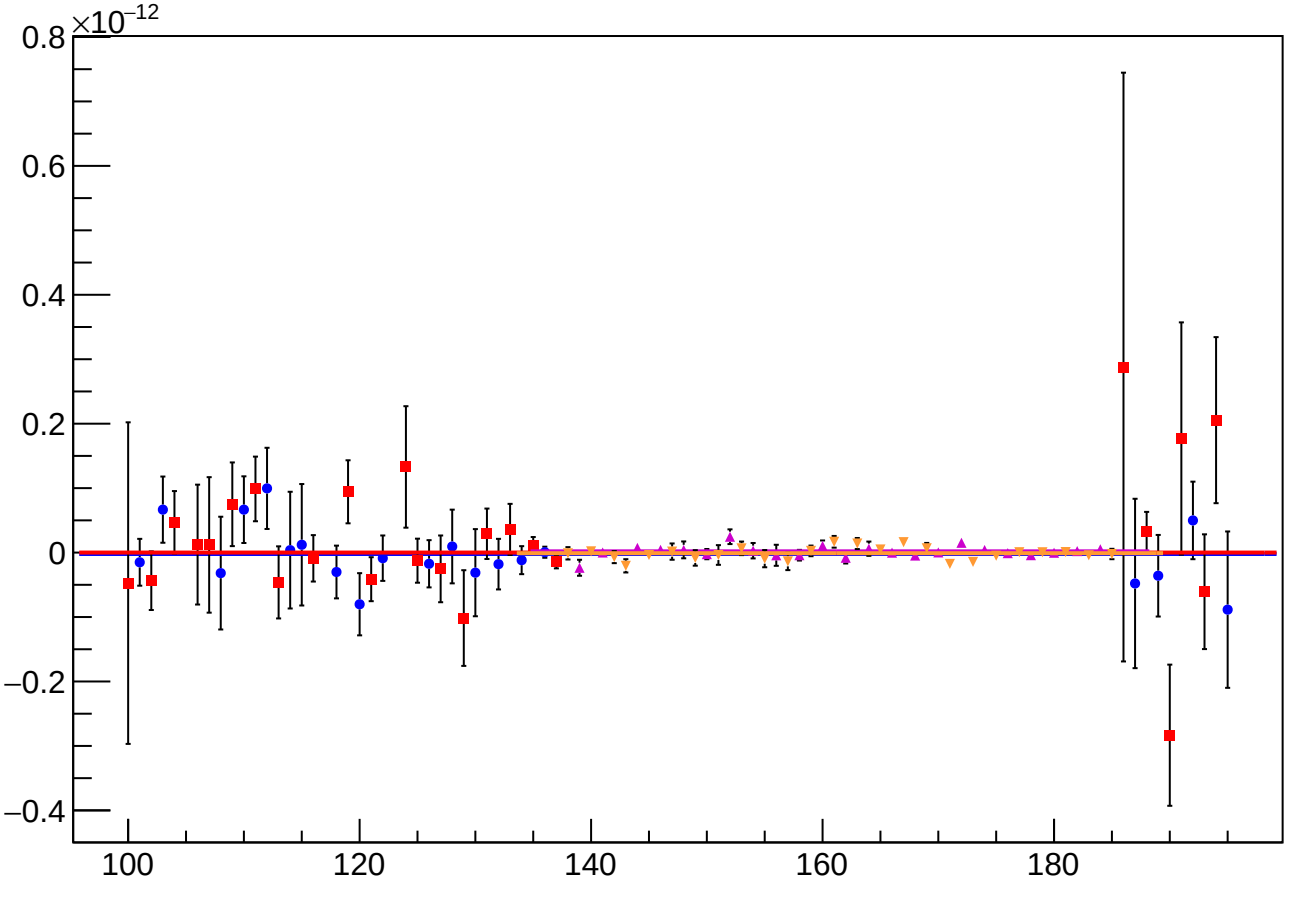
Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.433+/-0.004 χ^2/NDF: 4227447.0/44

All: 29.503+/-0.003 χ^2/NDF: 8459156.8/92

\- sign 29.573+/-0.004 χ^2/NDF: 4231123.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

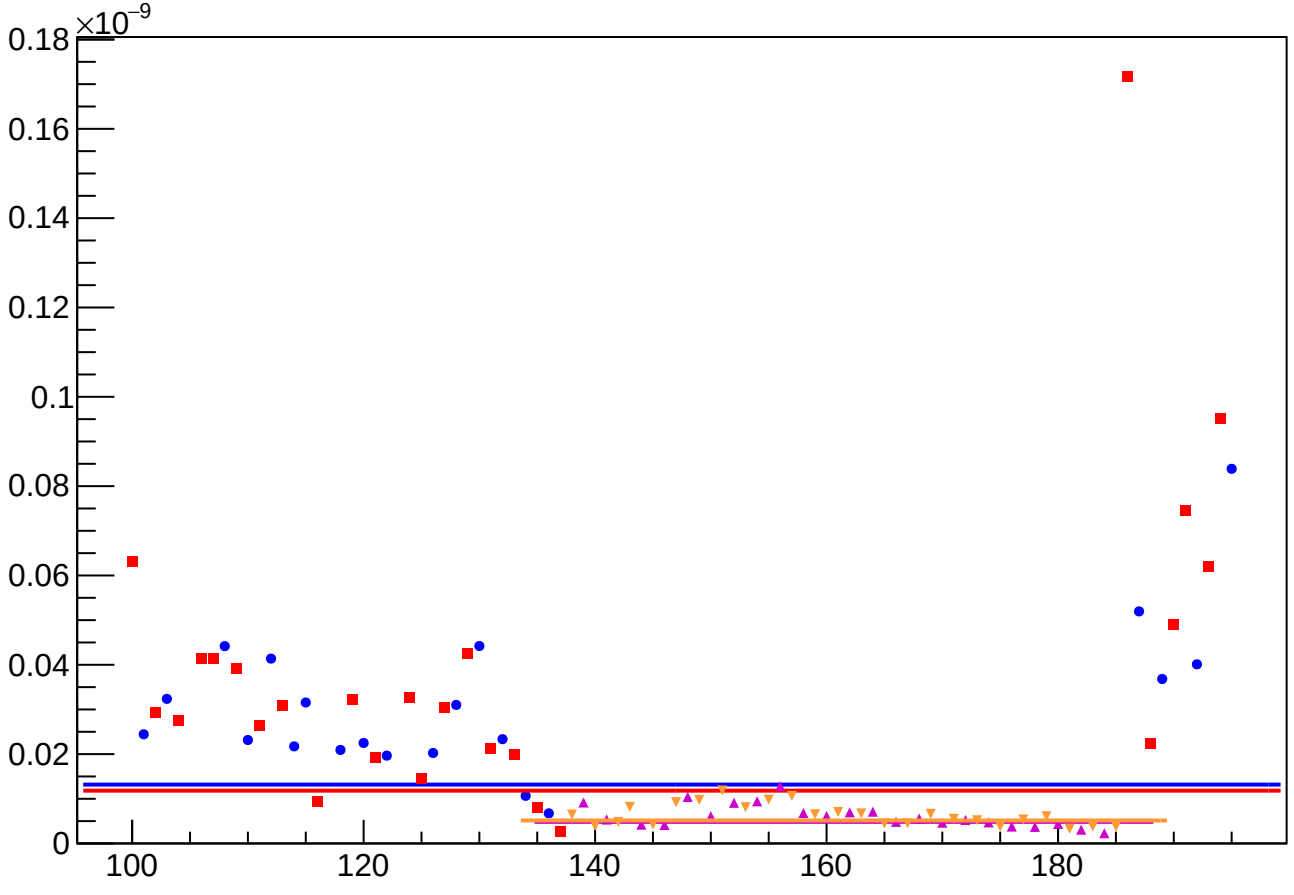
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/24

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: 101.4/92

- sign 0.000+/-0.000 χ^2/NDF: 53.2/47



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: 7267370.5/24

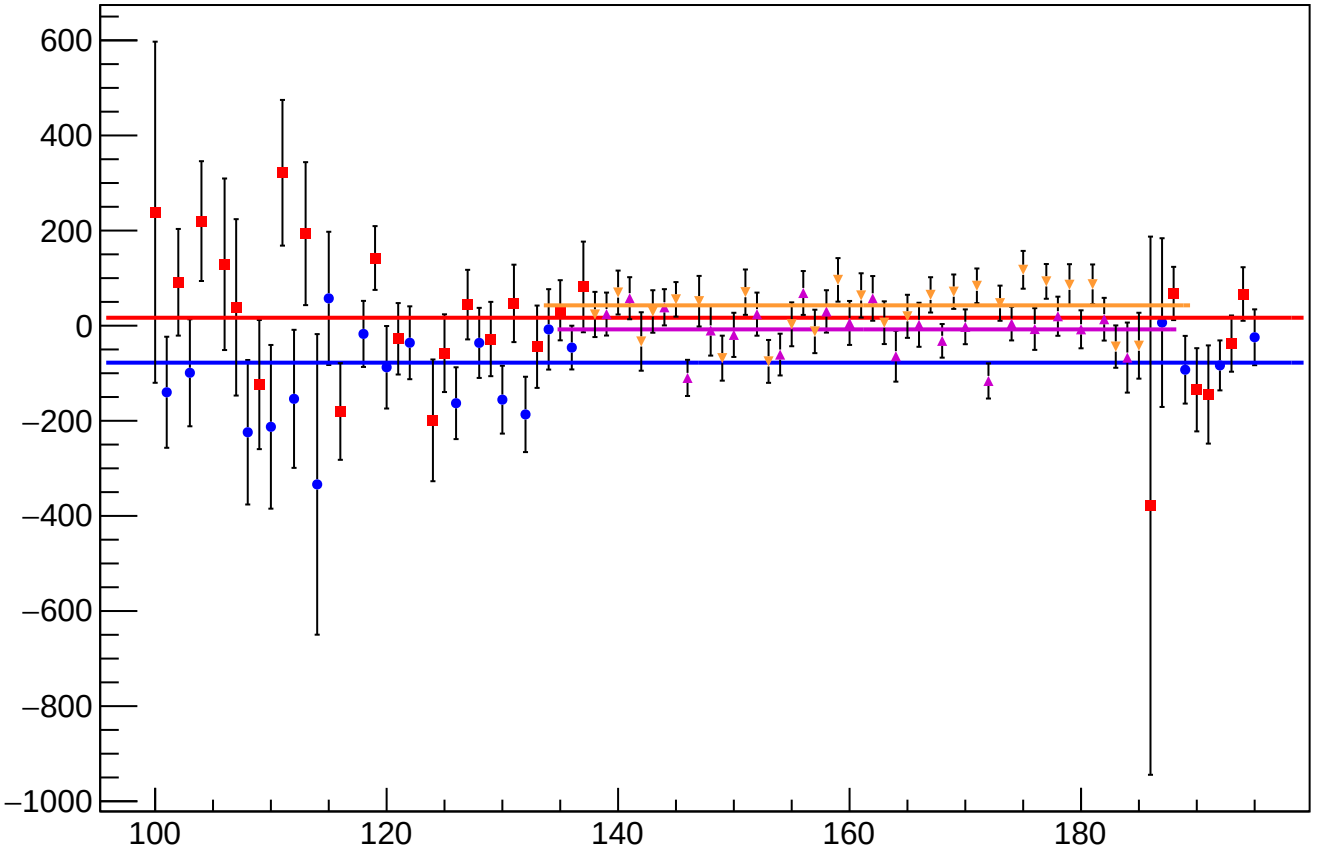
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10771227.3/44

All: 0.000+/-0.000 χ^2/NDF: 23356388.1/92

- sign 0.000+/-0.000 χ^2/NDF: 12527254.3/47

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: 16.703+/-17.672 χ^2/NDF: 31.6/24

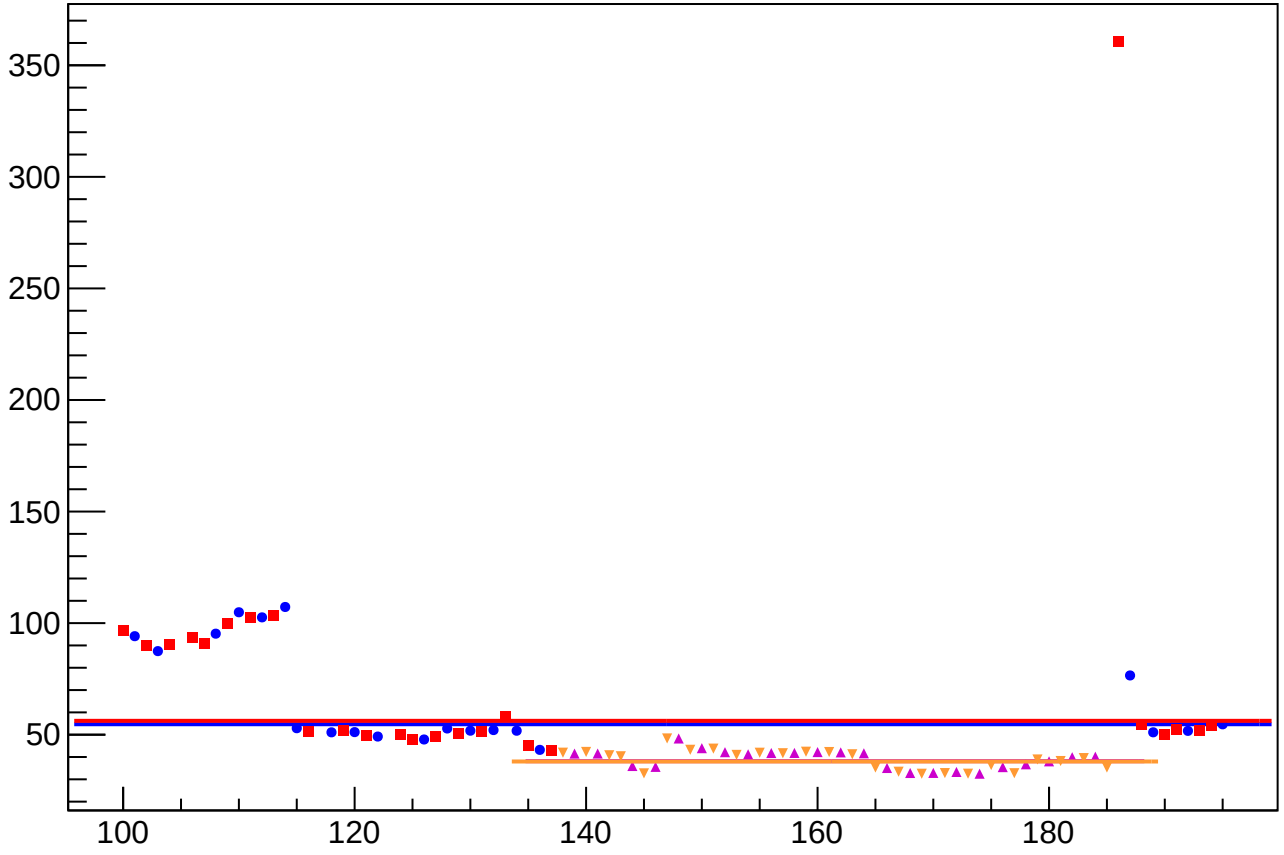
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 20.117+/-7.838 χ^2/NDF: 82.6/44

All: 8.913+/-5.599 χ^2/NDF: 150.4/92

- sign -2.763+/-8.002 χ^2/NDF: 63.7/47

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: 56.210+/-0.012 χ^2/NDF: 1896254.5/24

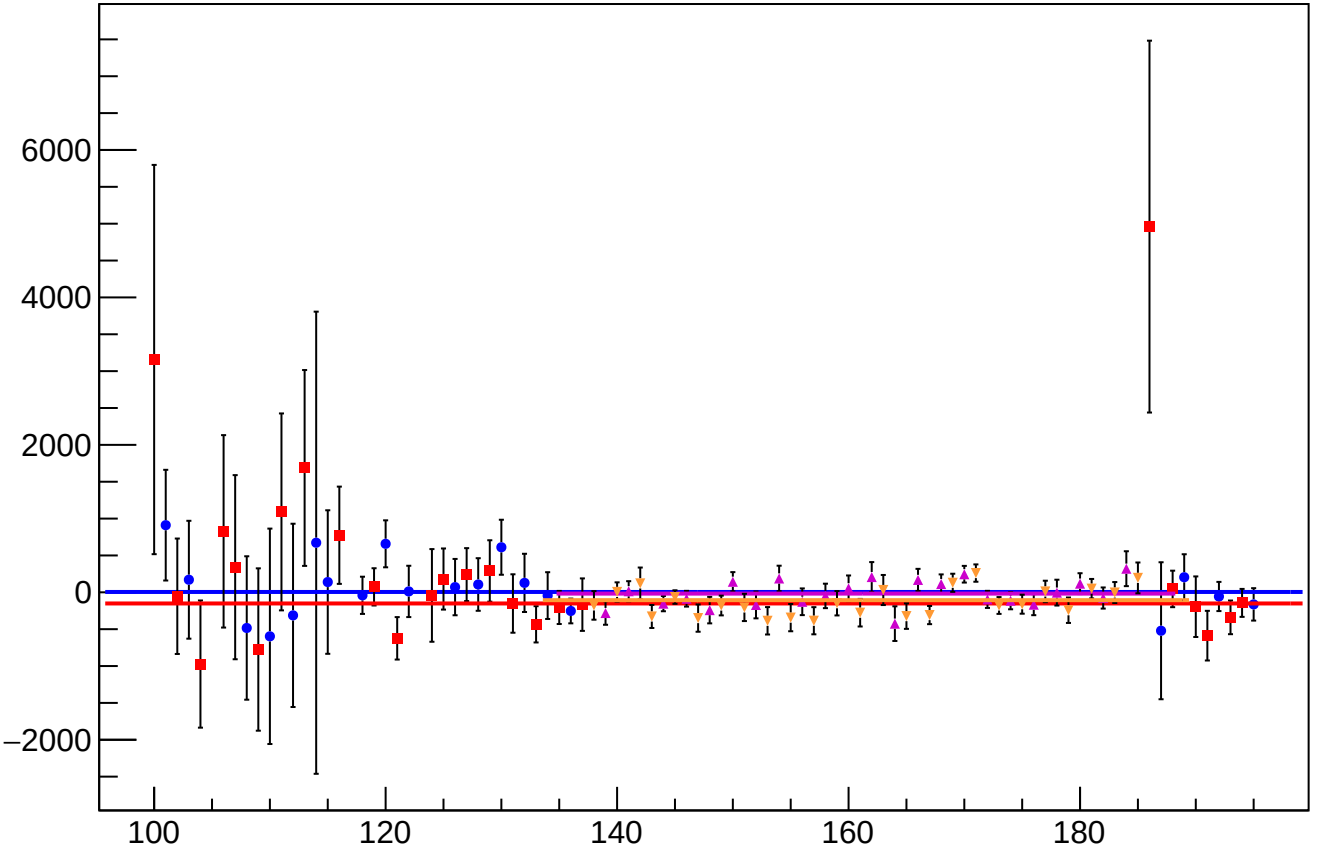
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.0/44

All: 41.476+/-0.004 χ^2/NDF: 7090736.3/92

- sign 41.839+/-0.006 χ^2/NDF: 3988236.5/47

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: -151.207+/-73.106 χ^2/NDF: 23.3/24

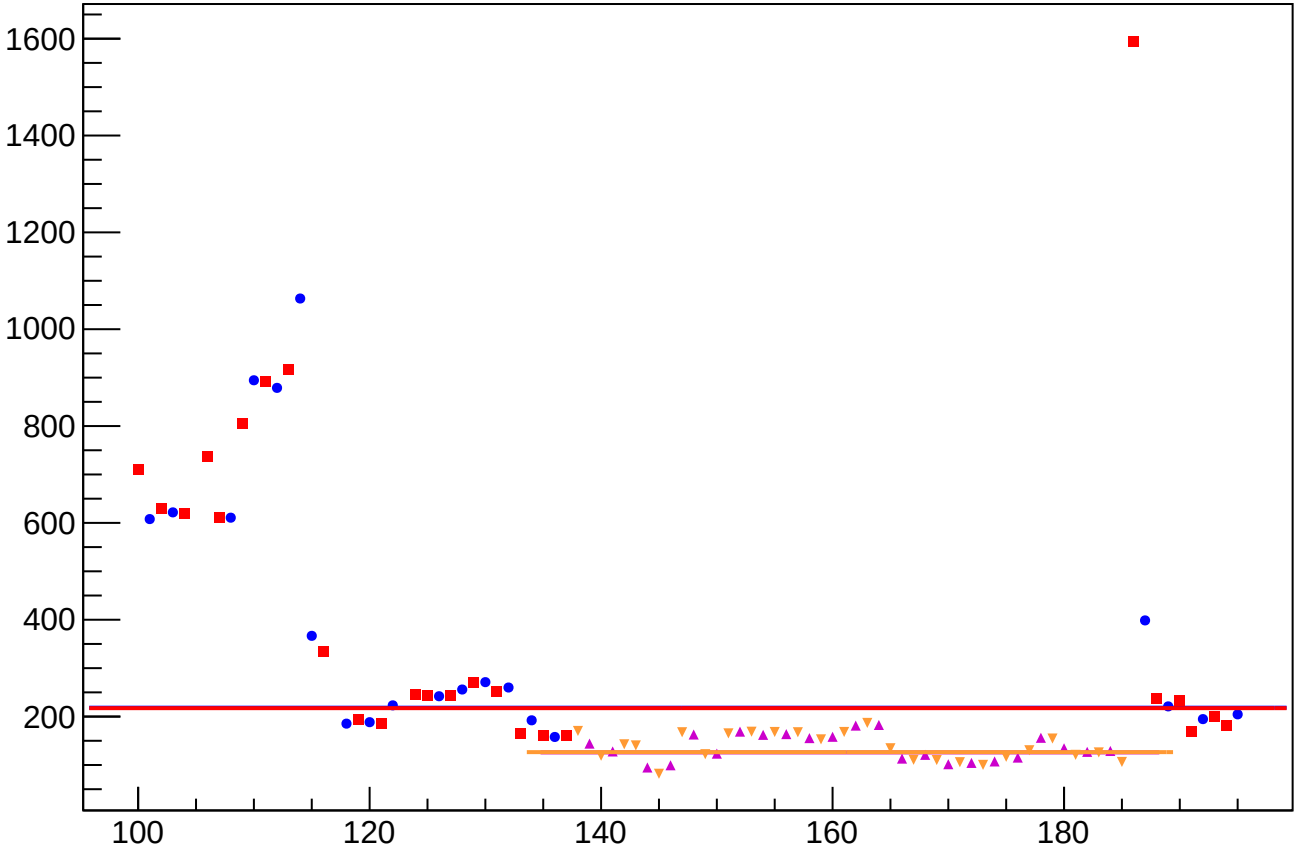
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.972+/-27.565 χ^2/NDF: 52.4/44

All: -64.813+/-19.609 χ^2/NDF: 108.8/92

- sign -36.989+/-27.901 χ^2/NDF: 54.4/47

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: 217.382+/-0.052 χ^2/NDF: 4394486.2/24

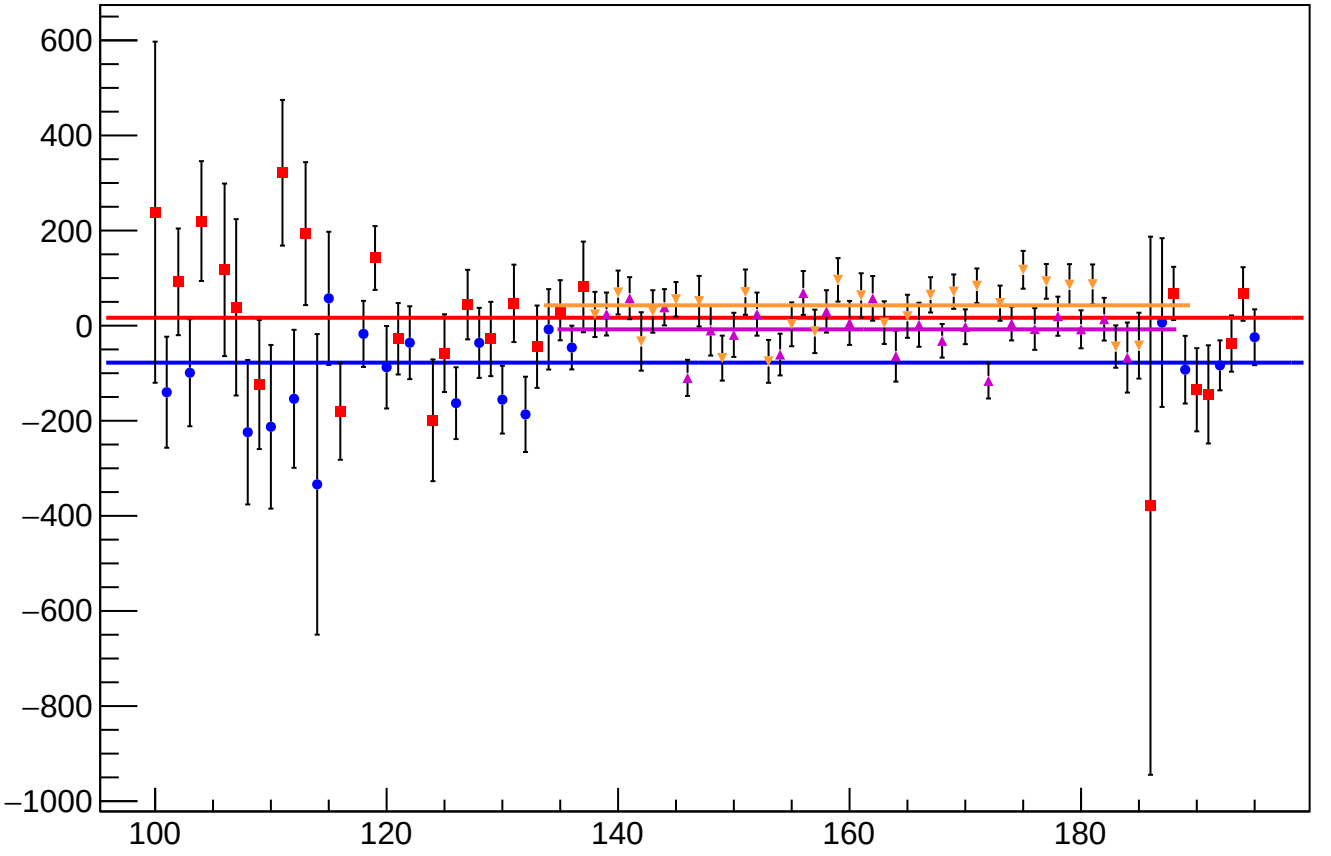
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363750.0/44

All: 138.931+/-0.014 χ^2/NDF: 15838706.6/92

- sign 139.322+/-0.020 χ^2/NDF: 8474183.7/47

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: 16.604+/-17.673 χ^2/NDF: 31.5/24

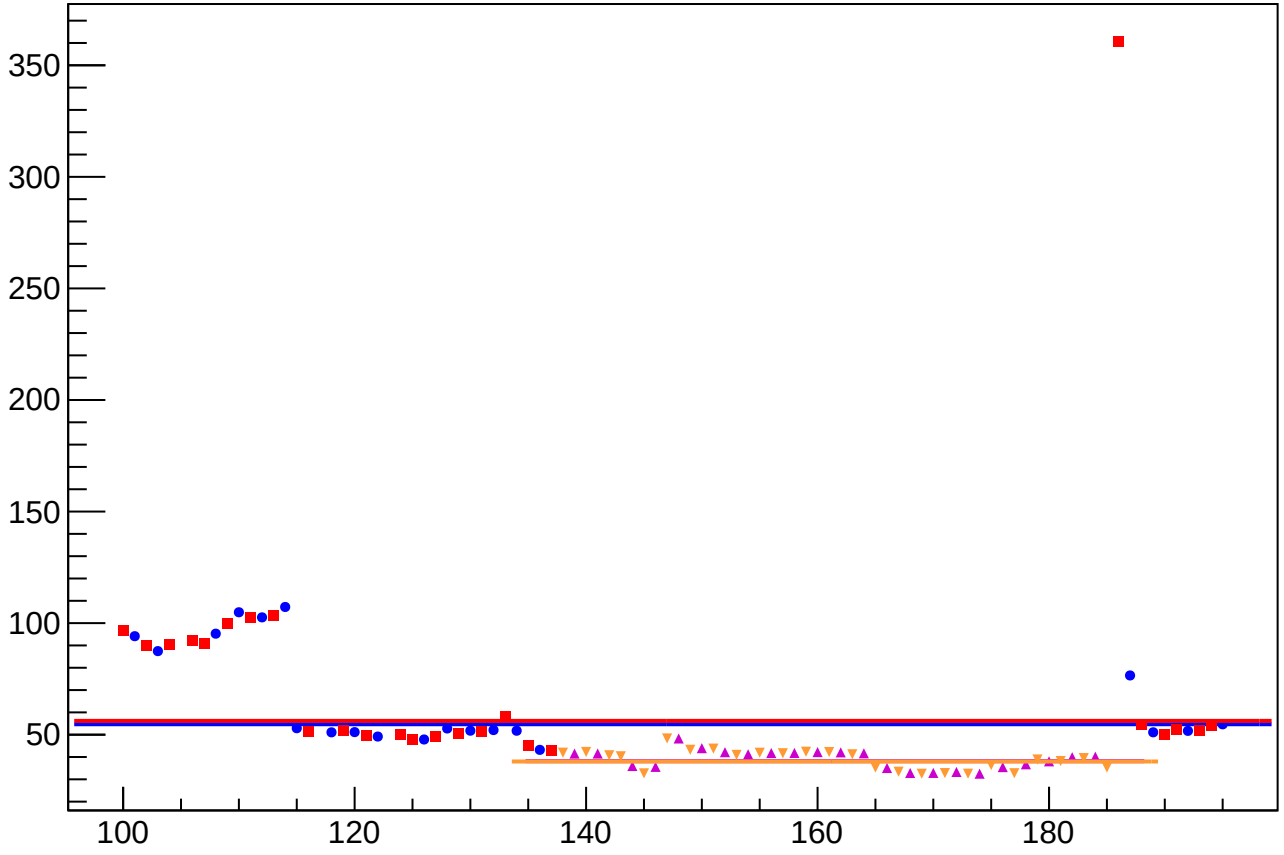
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.119+/-7.838 χ^2/NDF: 82.6/44

All: 8.903+/-5.599 χ^2/NDF: 150.3/92

- sign -2.785+/-8.002 χ^2/NDF: 63.6/47

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: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

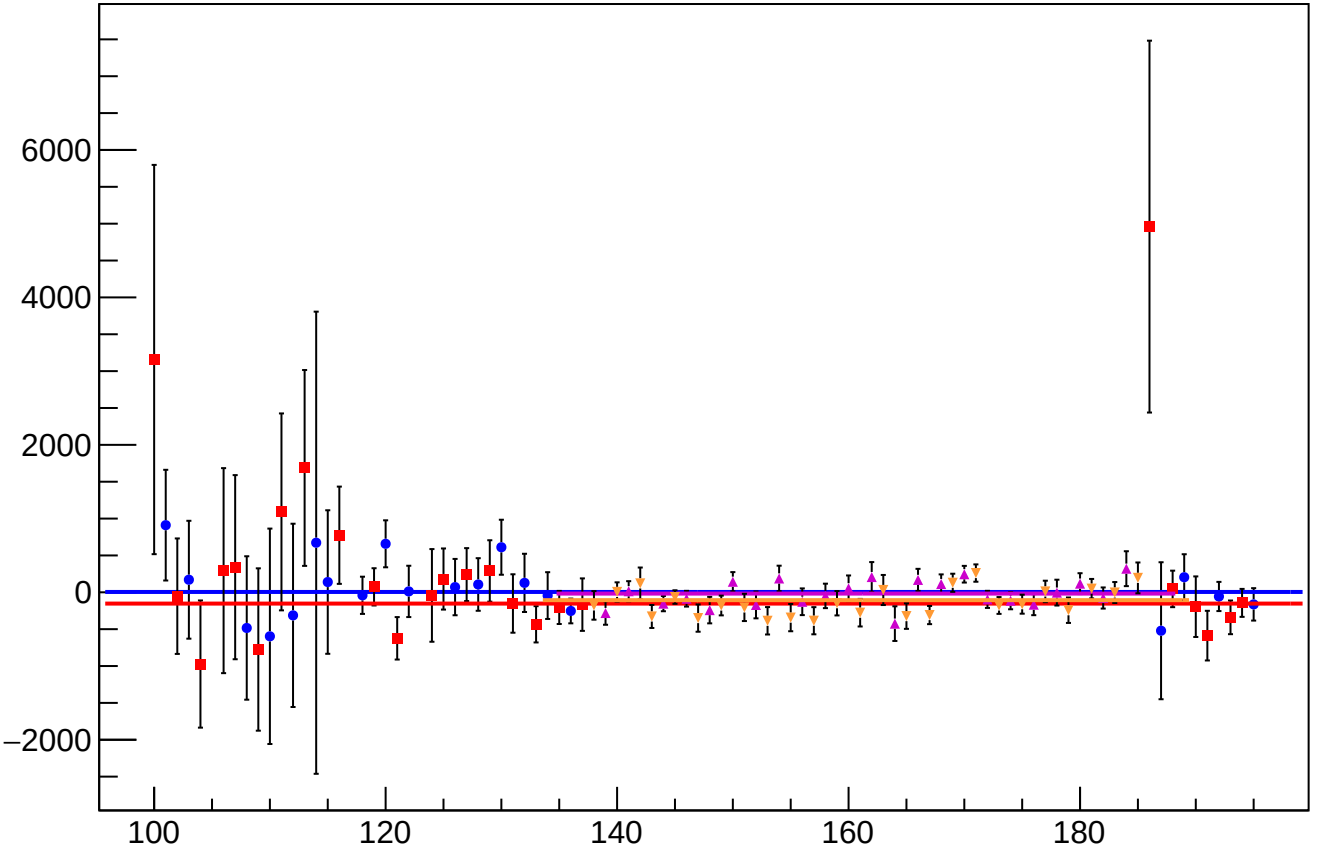
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.2/44

All: 41.474+/-0.004 χ^2/NDF: 7079326.3/92

- sign 41.835+/-0.006 χ^2/NDF: 3976921.2/47

asym_sam_37_26_dd_cor_correction_mean vs Slug



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: -153.023+/-73.120 χ^2/NDF: 22.8/24

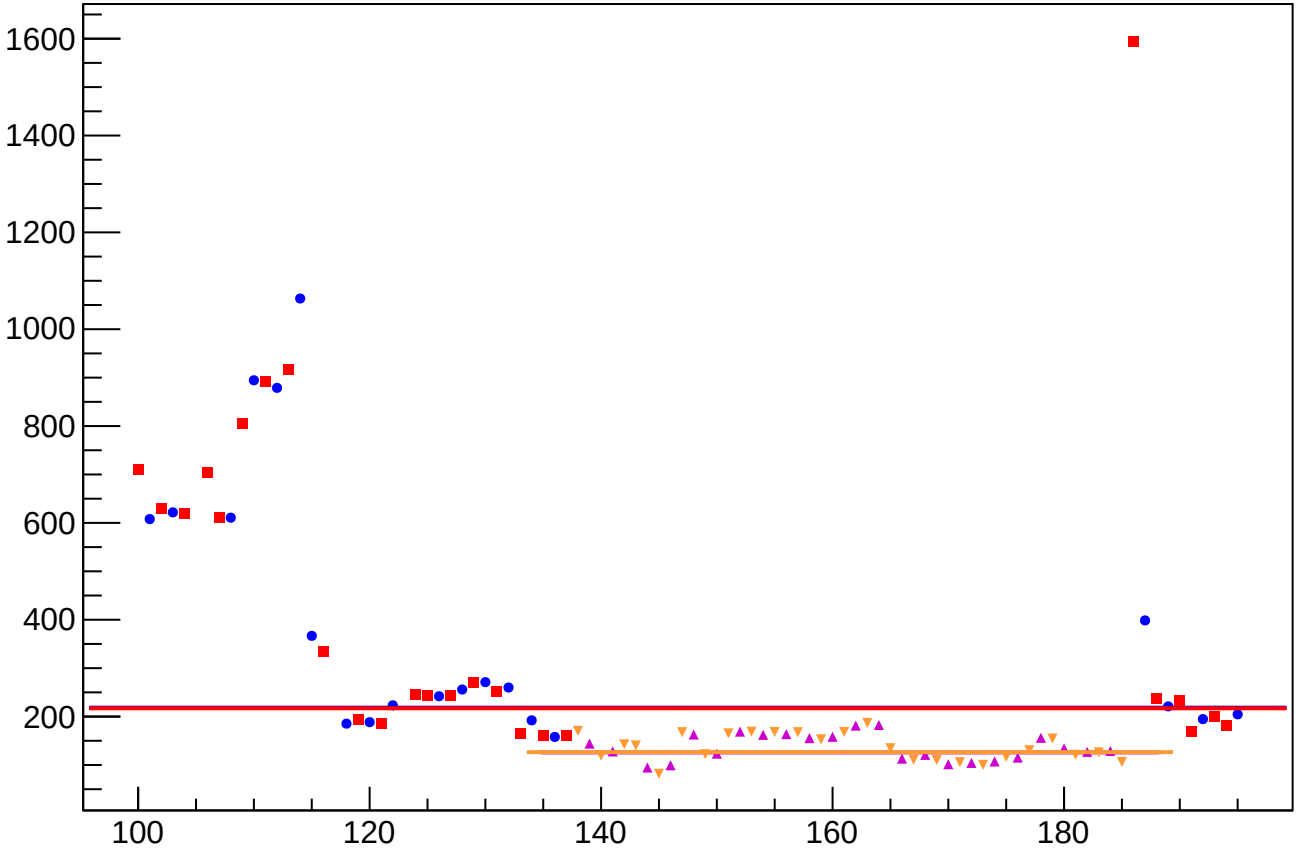
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.971+/-27.565 χ^2/NDF: 52.4/44

All: -64.941+/-19.609 χ^2/NDF: 108.3/92

- sign -37.248+/-27.901 χ^2/NDF: 54.0/47

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: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

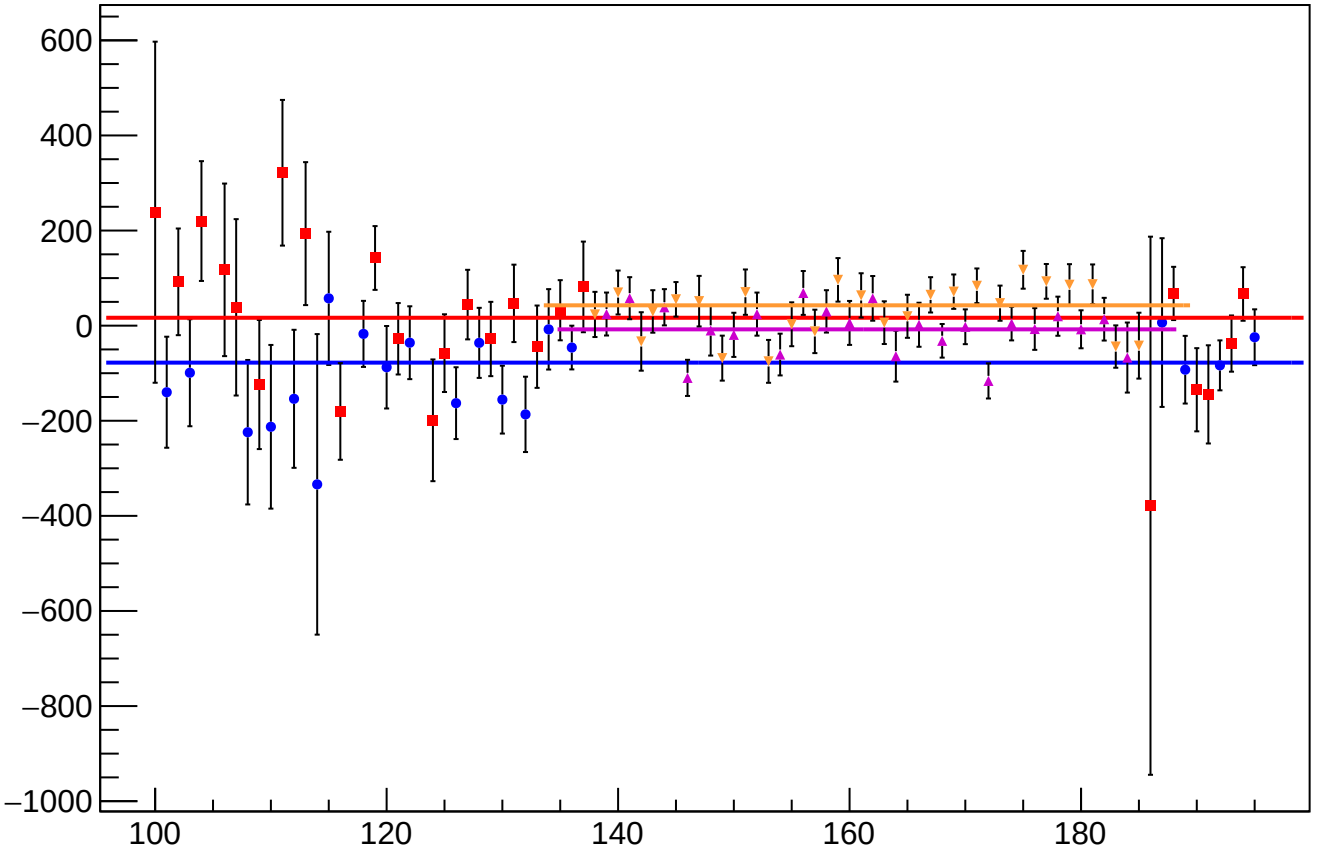
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363748.5/44

All: 138.909+/-0.014 χ^2/NDF: 15750474.4/92

- sign 139.276+/-0.020 χ^2/NDF: 8386041.9/47

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: 16.604+/-17.673 χ^2/NDF: 31.5/24

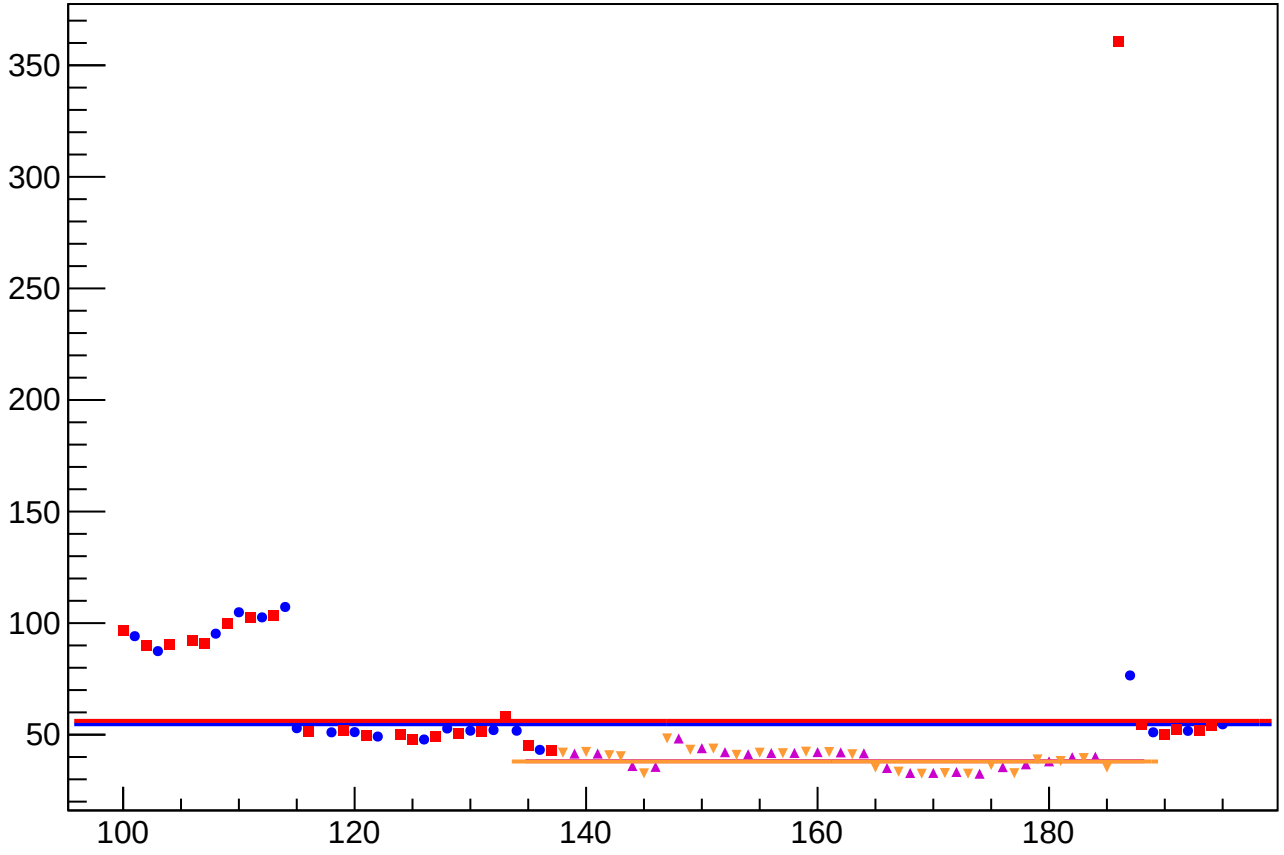
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.119+/-7.838 χ^2/NDF: 82.6/44

All: 8.903+/-5.599 χ^2/NDF: 150.3/92

- sign -2.785+/-8.002 χ^2/NDF: 63.6/47

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

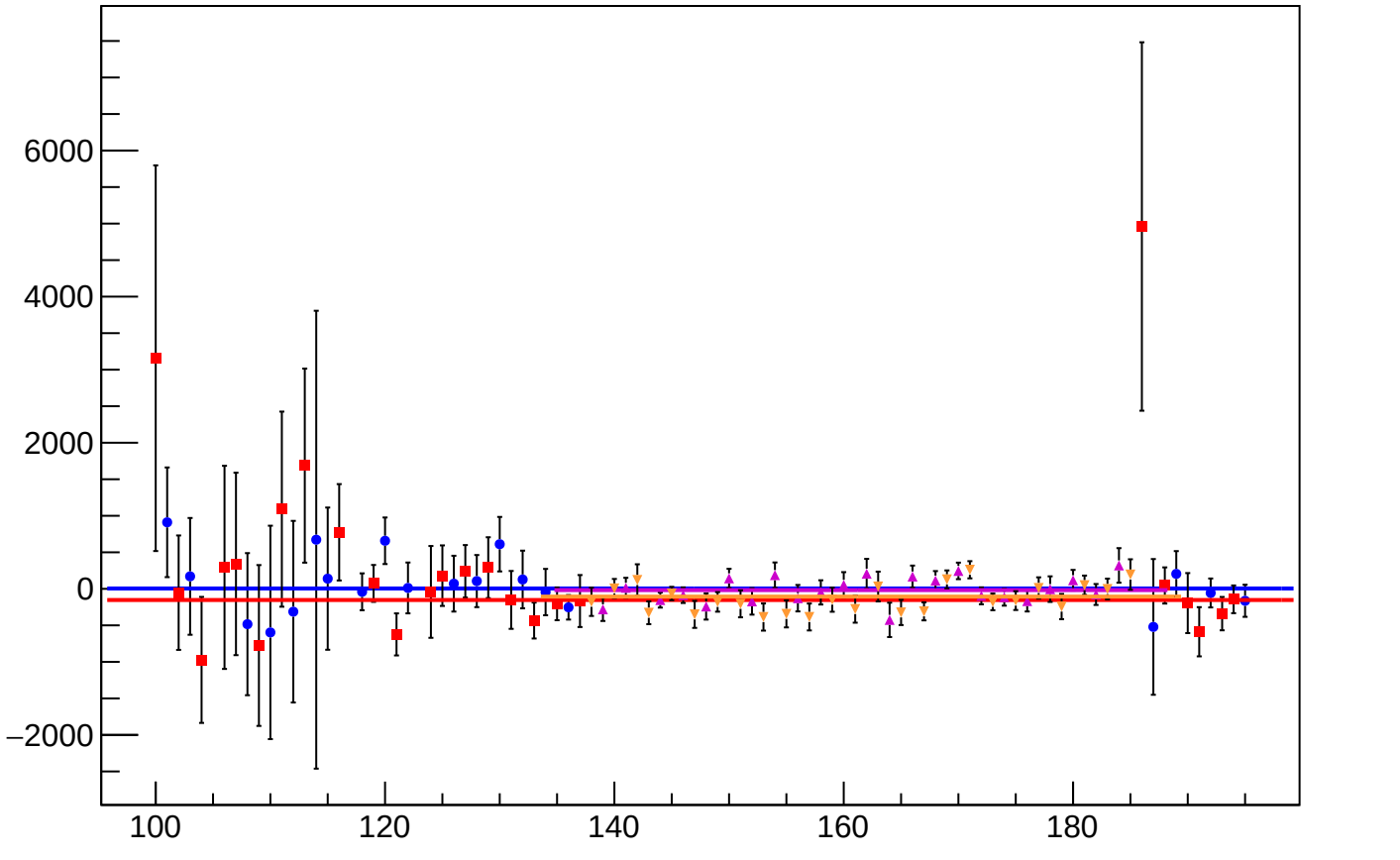
Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.128+/-0.006 χ^2/NDF: 3094438.2/44

All: 41.474+/-0.004 χ^2/NDF: 7079326.3/92

- sign 41.835+/-0.006 χ^2/NDF: 3976921.2/47



Right In: 4.768+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

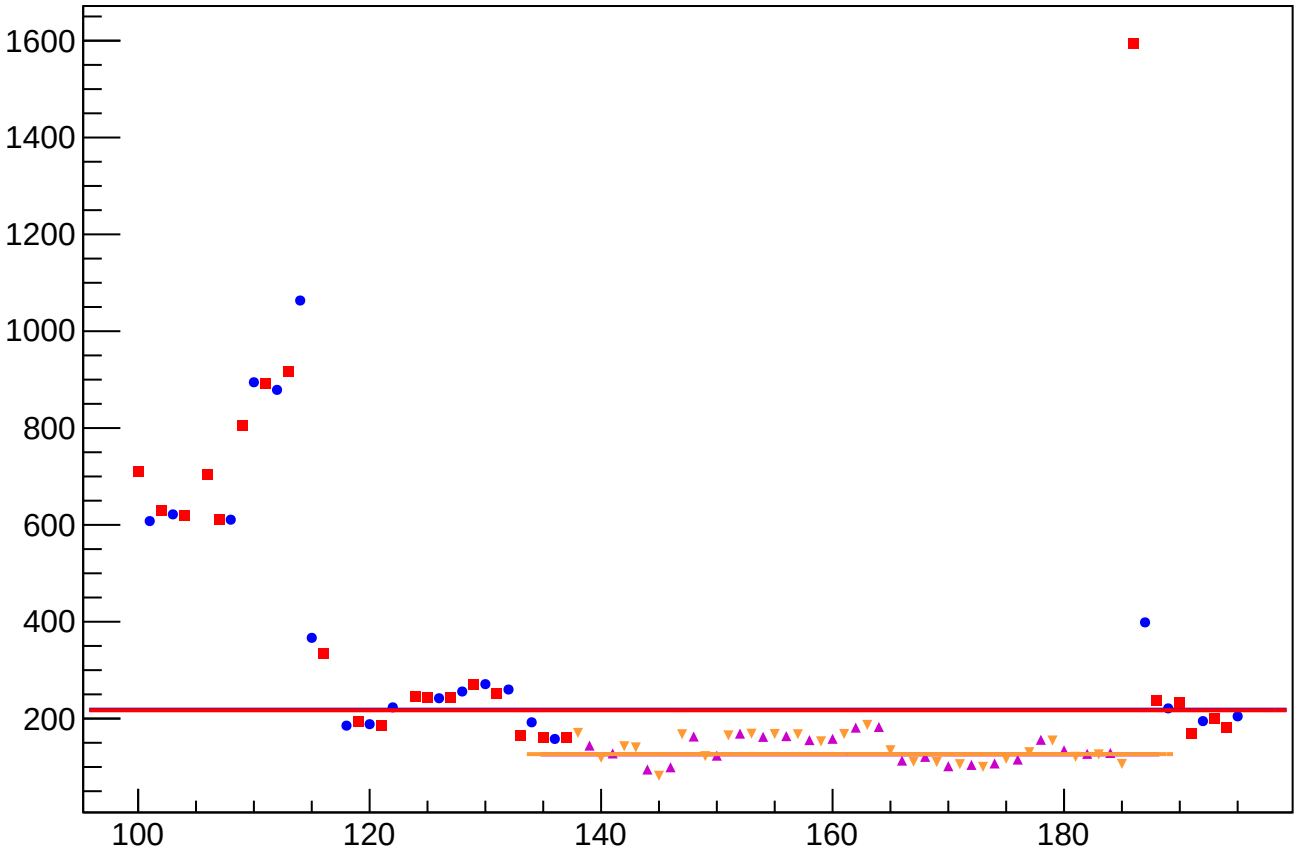
Right Out: -153.023+/-73.120 χ^2/NDF: 22.8/24

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.971+/-27.565 χ^2/NDF: 52.4/44

All: -64.941+/-19.609 χ^2/NDF: 108.3/92

- sign -37.248+/-27.901 χ^2/NDF: 54.0/47



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: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

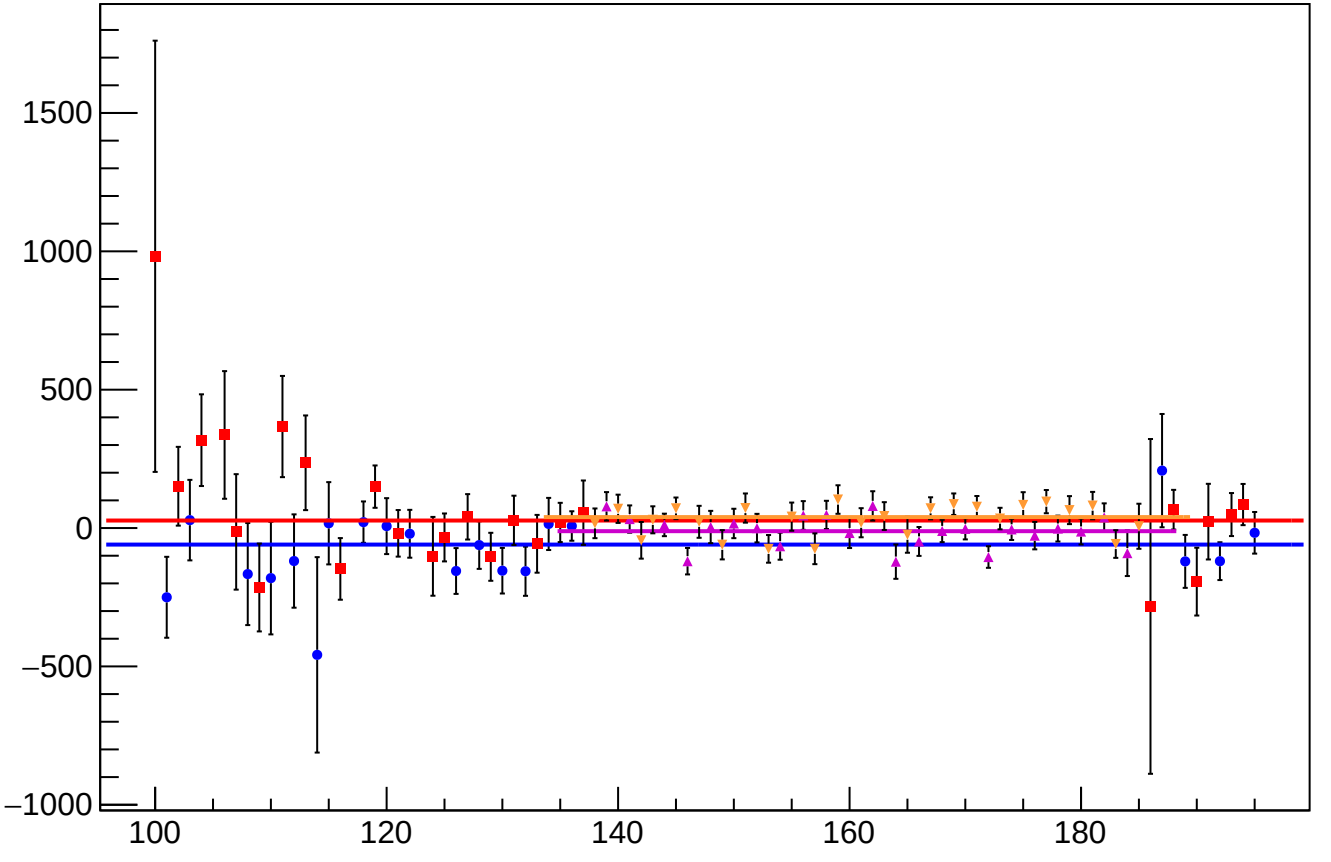
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 138.551+/-0.019 χ^2/NDF: 7363748.5/44

All: 138.909+/-0.014 χ^2/NDF: 15750474.4/92

- sign 139.276+/-0.020 χ^2/NDF: 8386041.9/47

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: 27.178+/-21.115 χ^2/NDF: 28.6/24

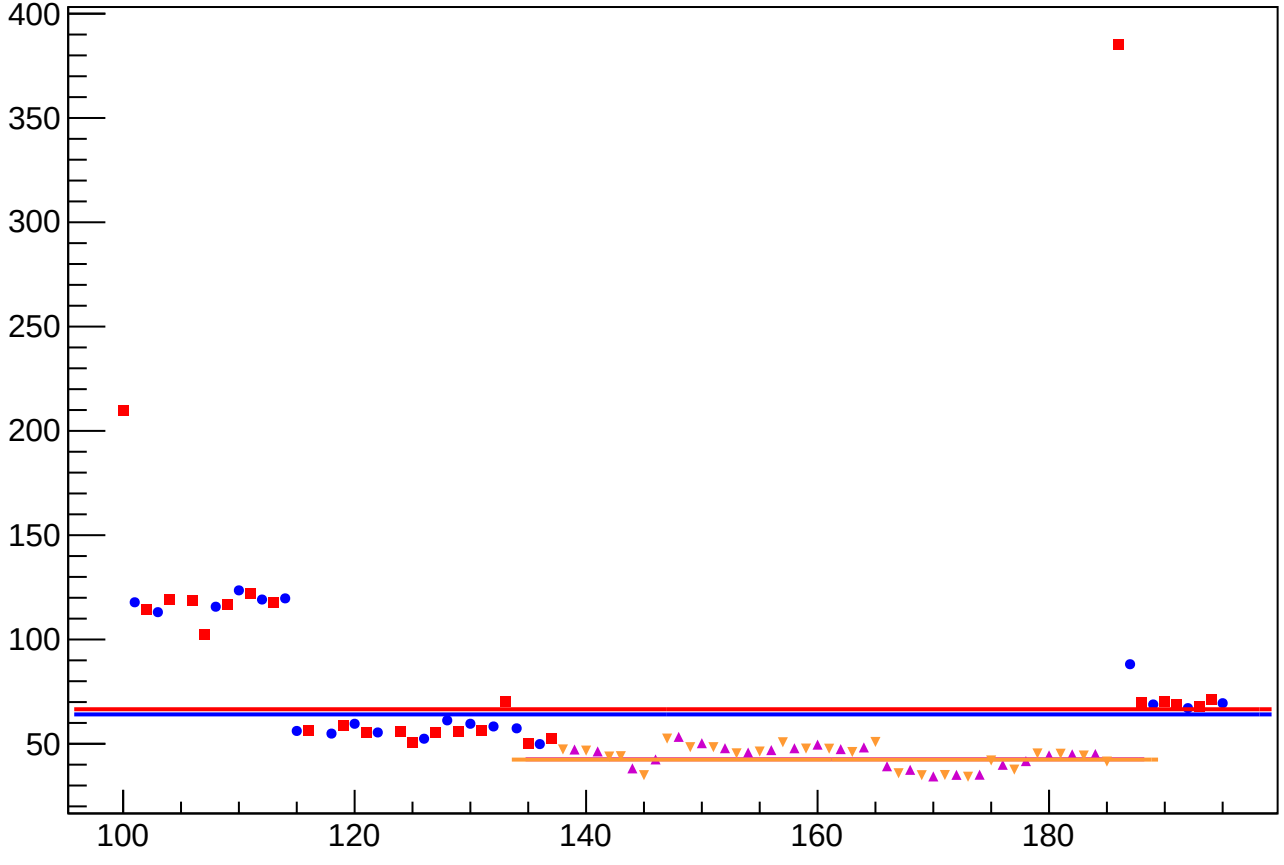
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.451+/-8.866 χ^2/NDF: 63.0/44

All: 9.481+/-6.348 χ^2/NDF: 126.6/92

- sign -4.167+/-9.094 χ^2/NDF: 59.2/47

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: 66.566+/-0.015 χ^2/NDF: 2172104.4/24

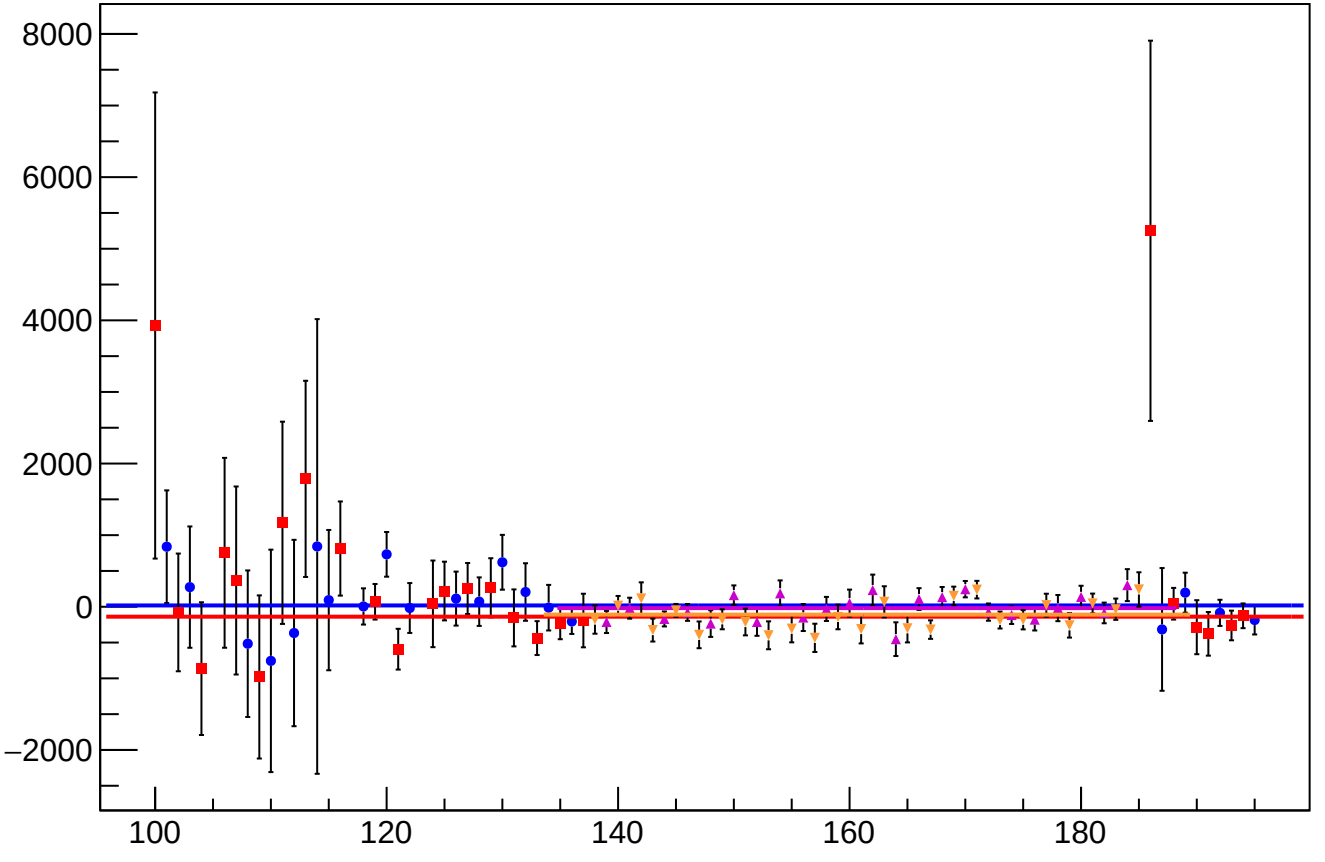
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.158+/-0.006 χ^2/NDF: 3804809.7/44

All: 46.582+/-0.004 χ^2/NDF: 8678453.9/92

- sign 47.029+/-0.006 χ^2/NDF: 4864246.5/47

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: -138.587+/-69.534 χ^2/NDF: 22.3/24

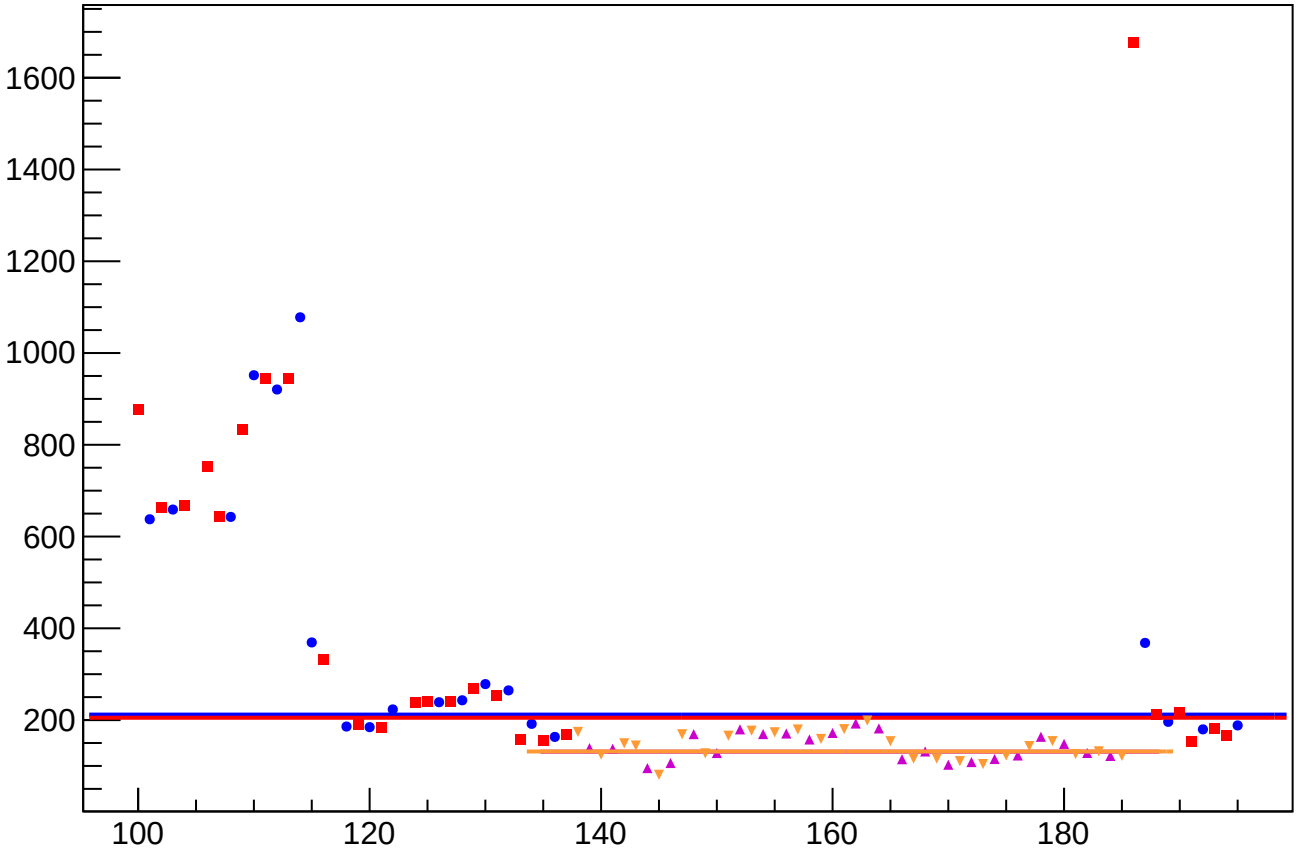
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -91.156+/-28.424 χ^2/NDF: 52.3/44

All: -65.409+/-20.187 χ^2/NDF: 105.9/92

- sign -39.204+/-28.675 χ^2/NDF: 51.9/47

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: 205.043+/-0.049 χ^2/NDF: 4719793.0/24

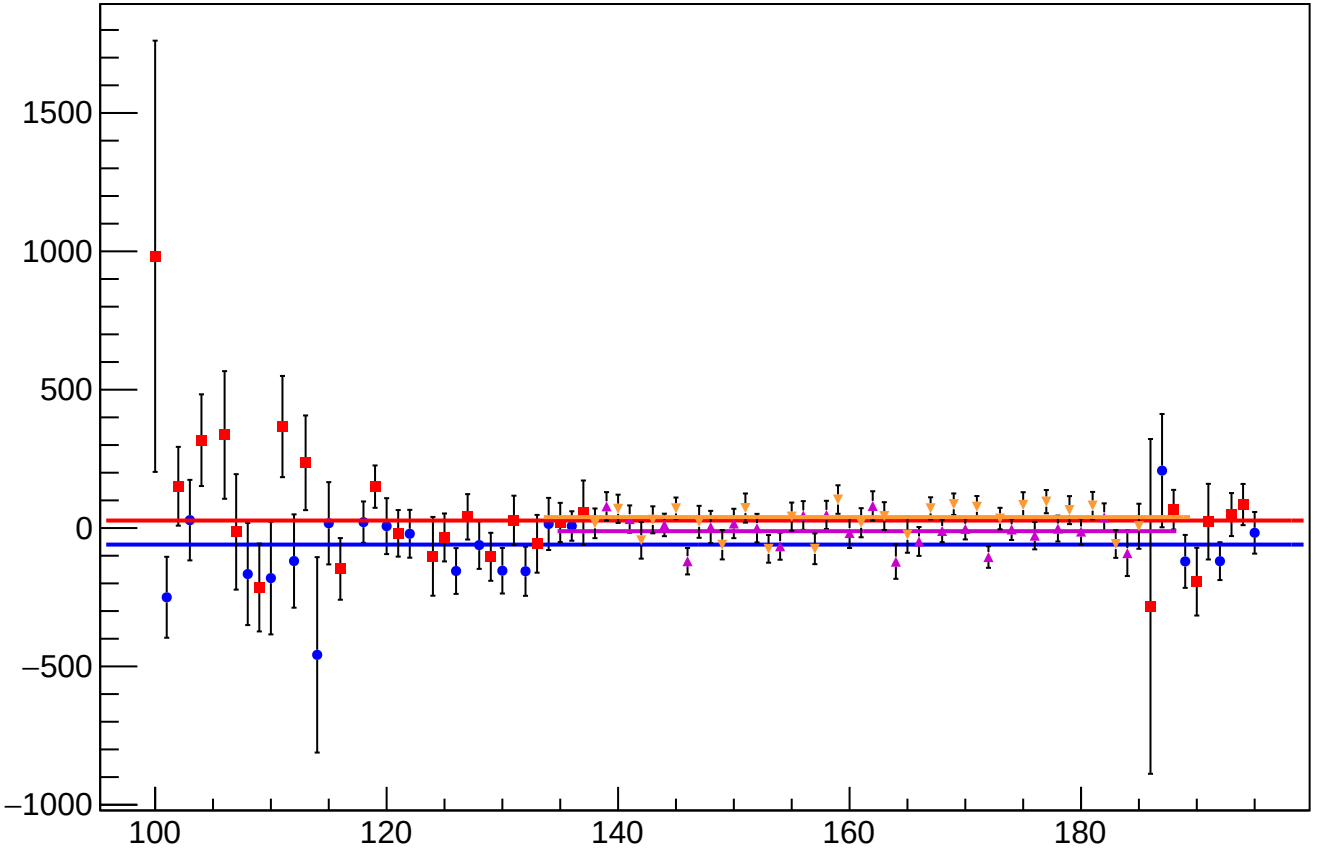
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 143.257+/-0.020 χ^2/NDF: 7128835.1/44

All: 143.453+/-0.014 χ^2/NDF: 15194998.0/92

- sign 143.654+/-0.020 χ^2/NDF: 8065969.5/47

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: 27.179+/-21.115 χ^2/NDF: 28.6/24

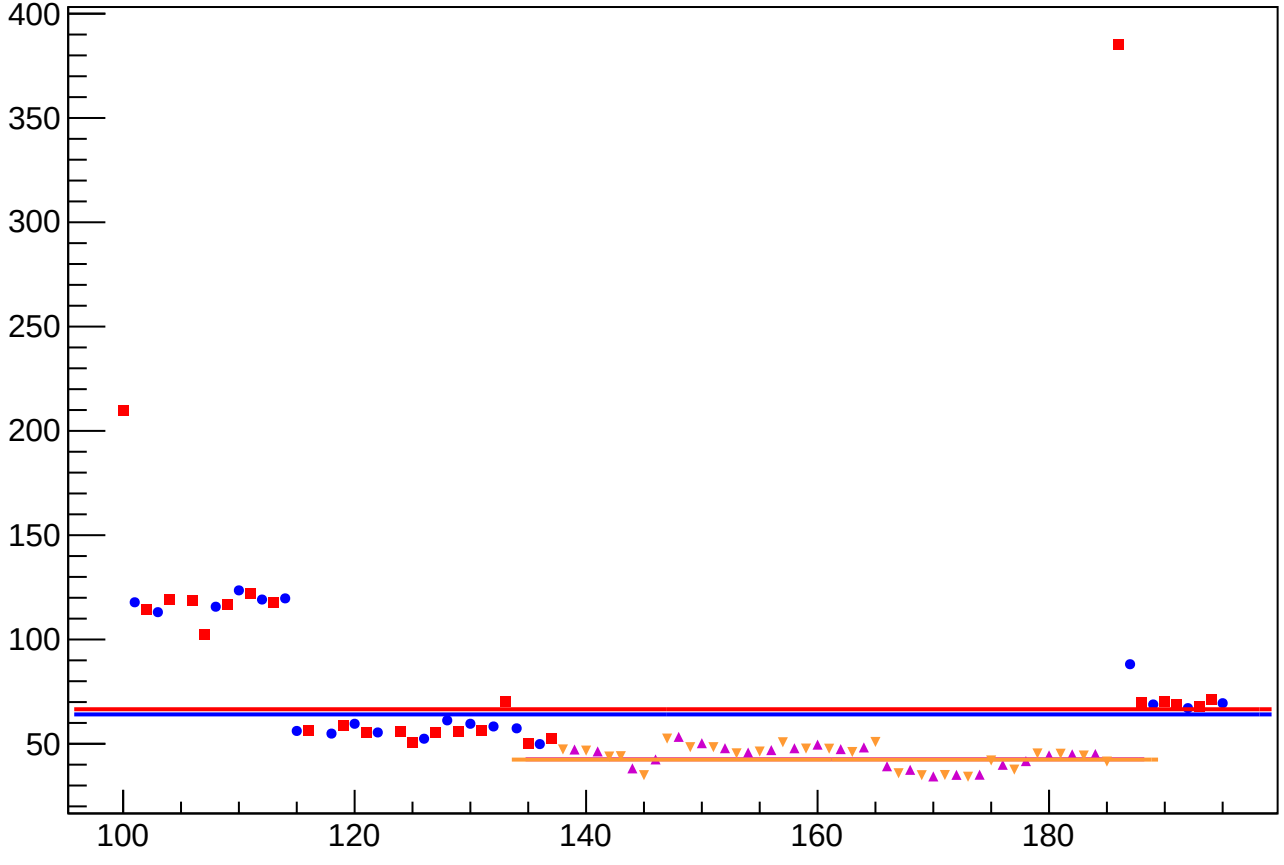
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.452+/-8.866 χ^2/NDF: 63.0/44

All: 9.481+/-6.348 χ^2/NDF: 126.6/92

- sign -4.167+/-9.094 χ^2/NDF: 59.2/47

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

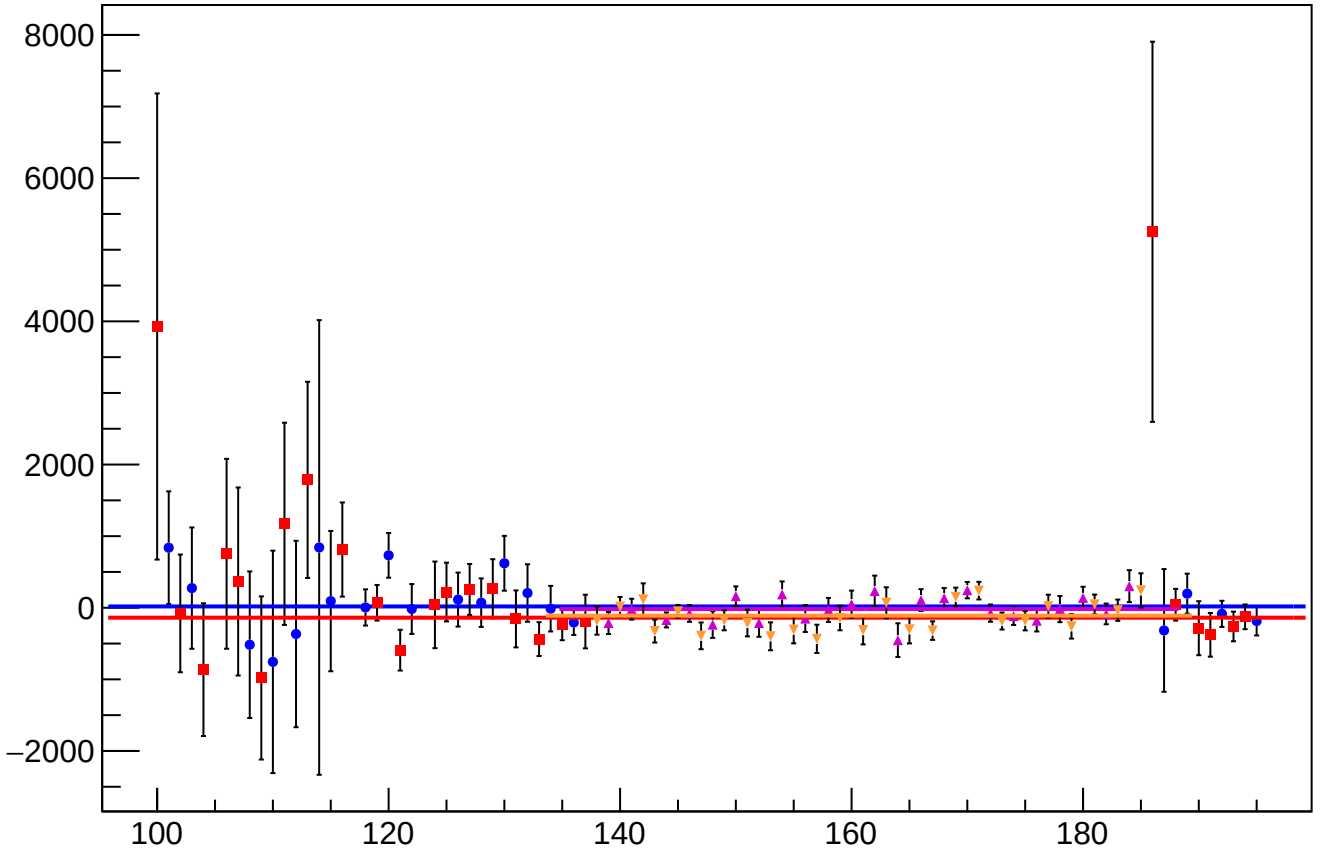
Right Out: 66.566+/-0.015 χ^2/NDF: 2172097.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.158+/-0.006 χ^2/NDF: 3804796.2/44

All: 46.582+/-0.004 χ^2/NDF: 8678426.2/92

- sign 47.029+/-0.006 χ^2/NDF: 4864230.1/47



Right In: 18.259+/-74.375 χ^2/NDF: 13.5/19

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

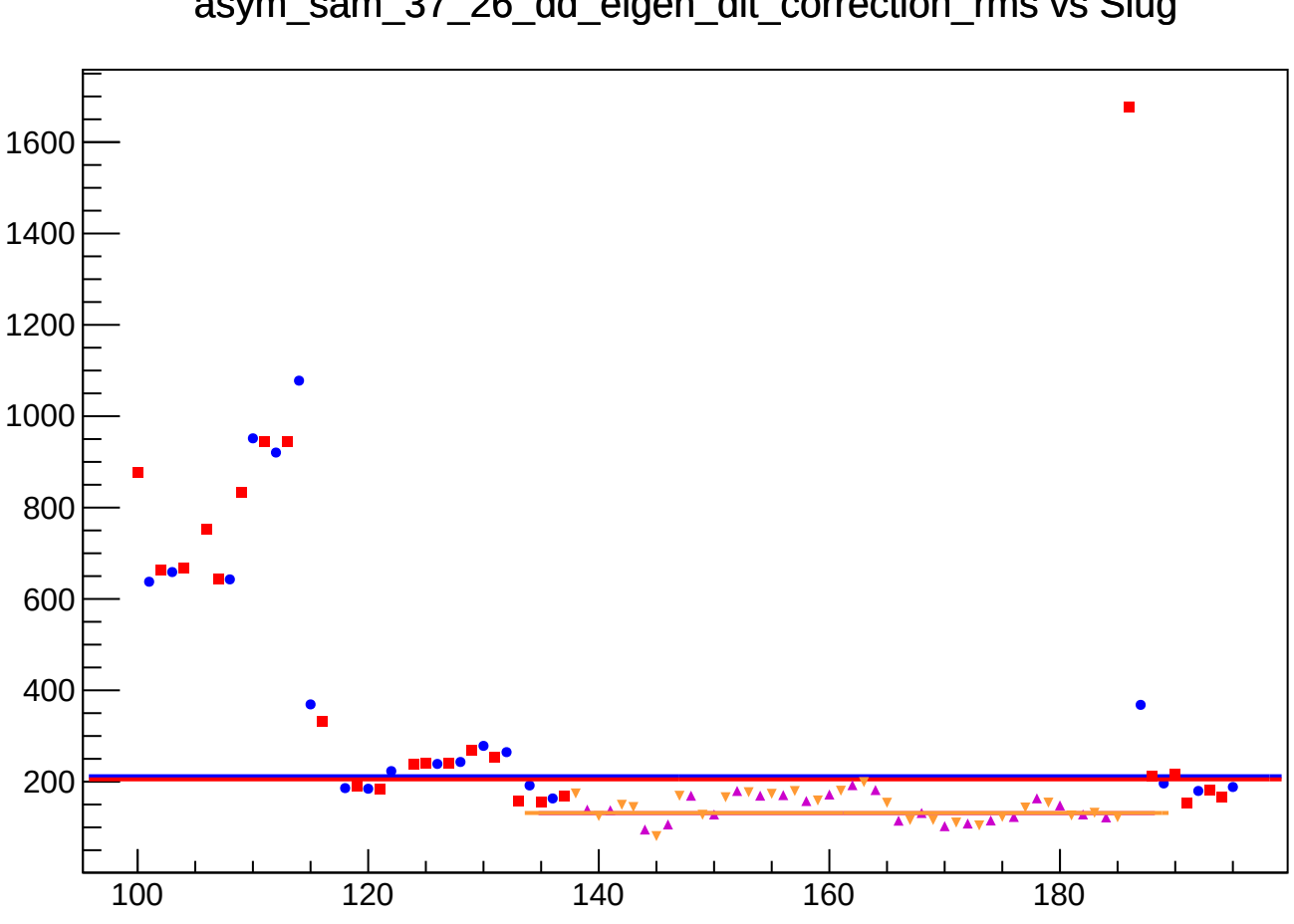
Right Out: -138.585+/-69.534 χ^2/NDF: 22.3/24

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -91.156+/-28.424 χ^2/NDF: 52.3/44

All: -65.408+/-20.187 χ^2/NDF: 105.9/92

- sign -39.204+/-28.675 χ^2/NDF: 51.9/47



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: 205.043+/-0.049 χ^2/NDF: 4719789.7/24

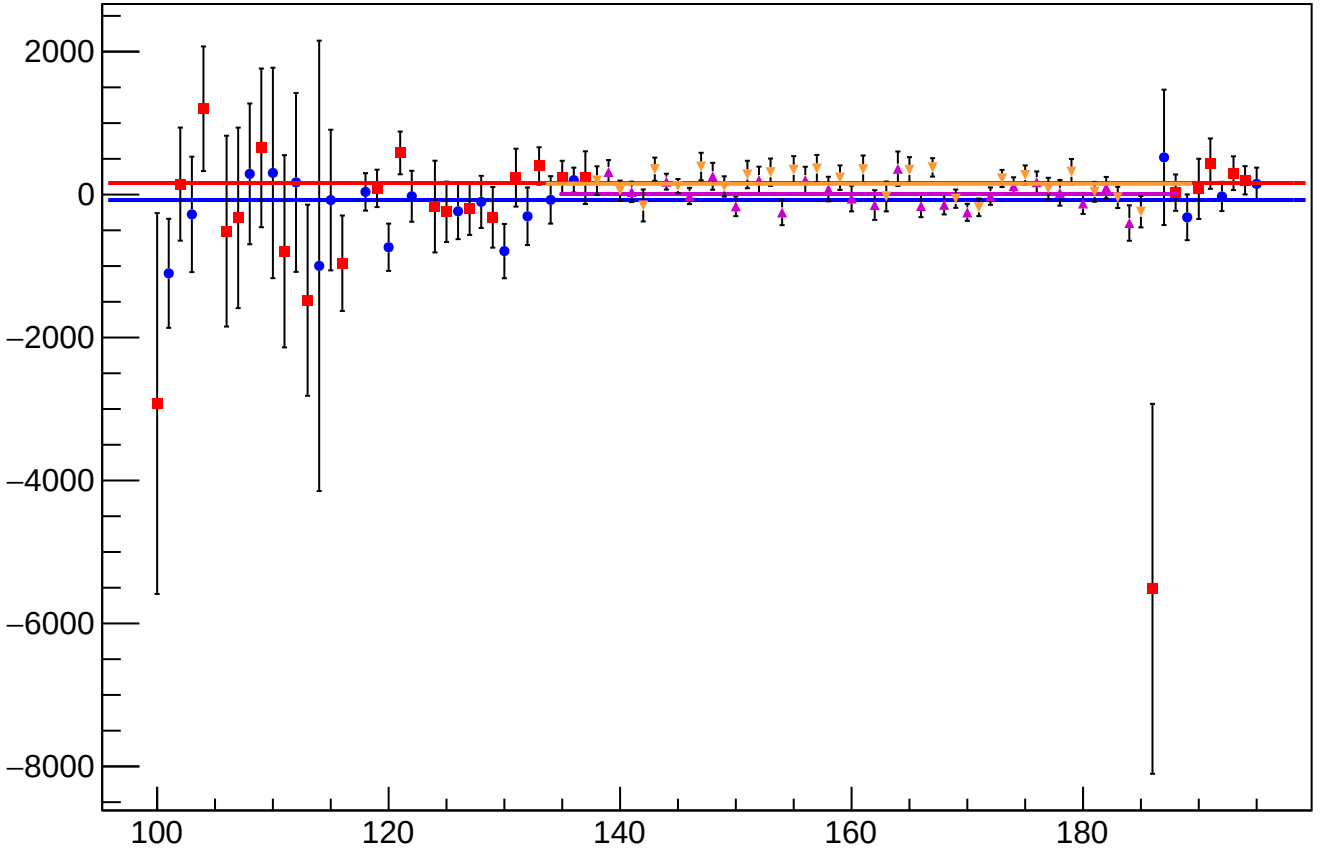
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 143.257+/-0.020 χ^2/NDF: 7128793.5/44

All: 143.454+/-0.014 χ^2/NDF: 15194935.0/92

- sign 143.654+/-0.020 χ^2/NDF: 8065948.2/47

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: 161.844+/-75.715 χ^2/NDF: 20.8/24

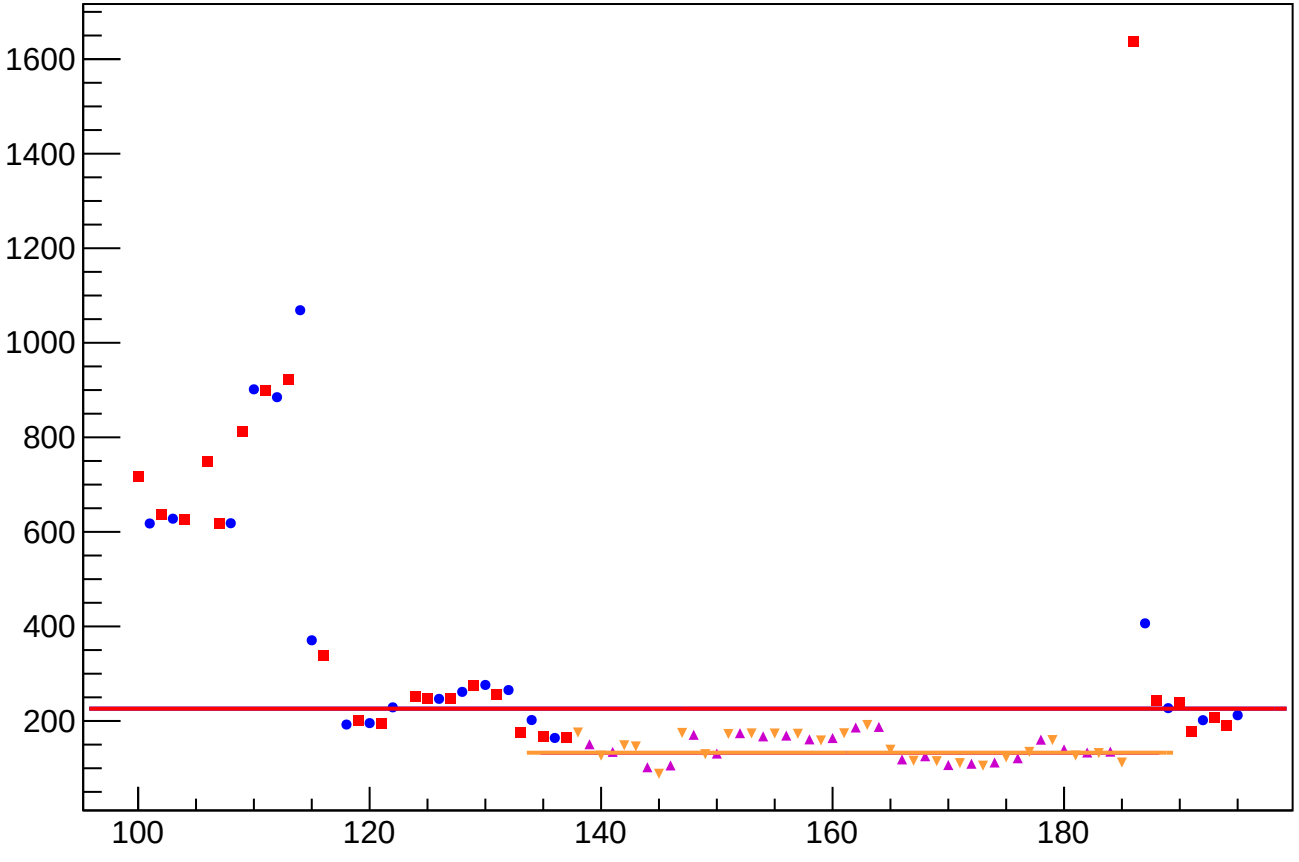
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 120.699+/-28.807 χ^2/NDF: 55.3/44

All: 76.325+/-20.500 χ^2/NDF: 113.9/92

- sign 30.798+/-29.179 χ^2/NDF: 53.8/47

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

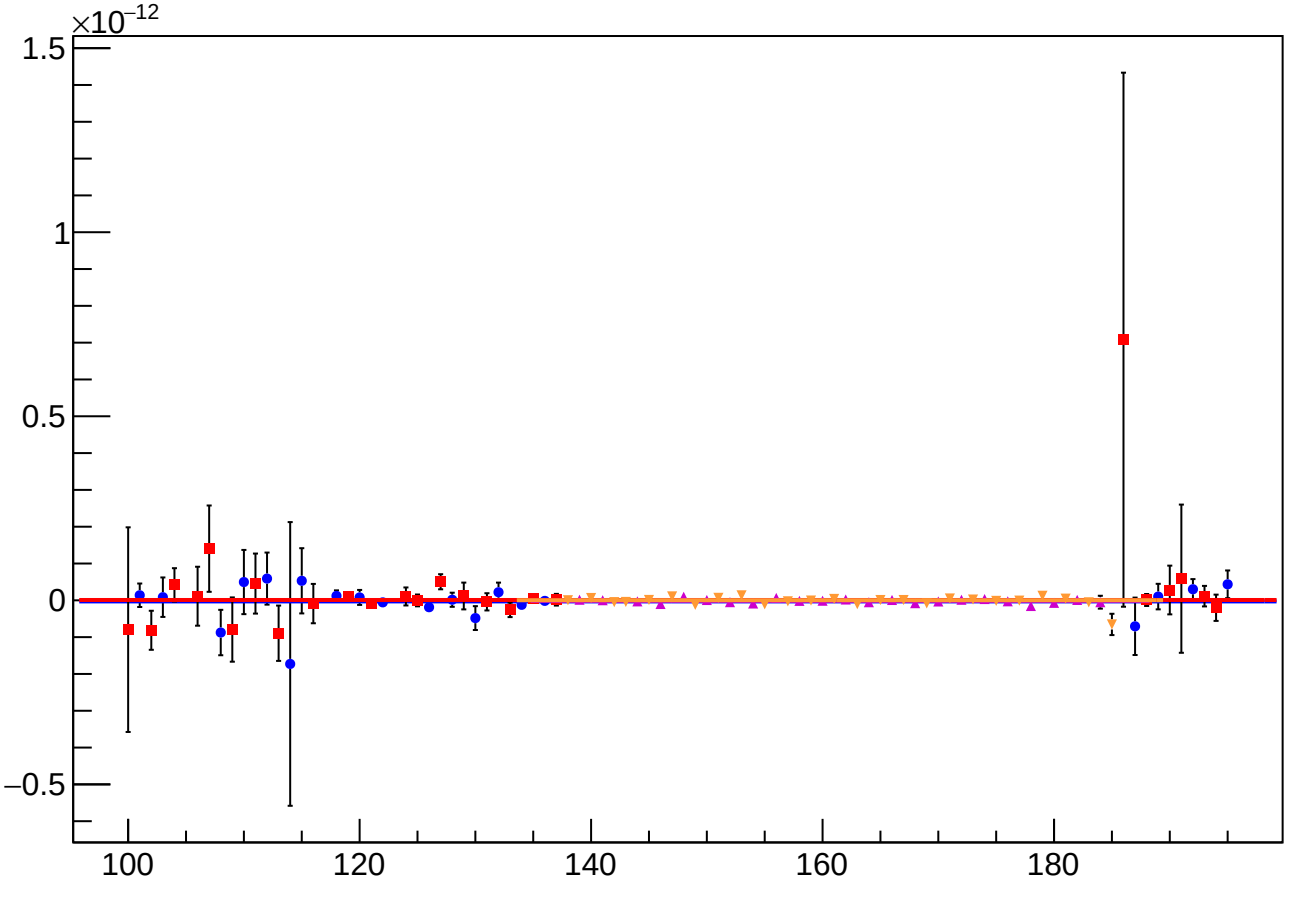
Right Out: 226.027+/-0.054 χ^2/NDF: 4266020.6/24

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 145.352+/-0.020 χ^2/NDF: 7023029.4/44

All: 145.798+/-0.014 χ^2/NDF: 15175090.8/92

- sign 146.255+/-0.021 χ^2/NDF: 8151090.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

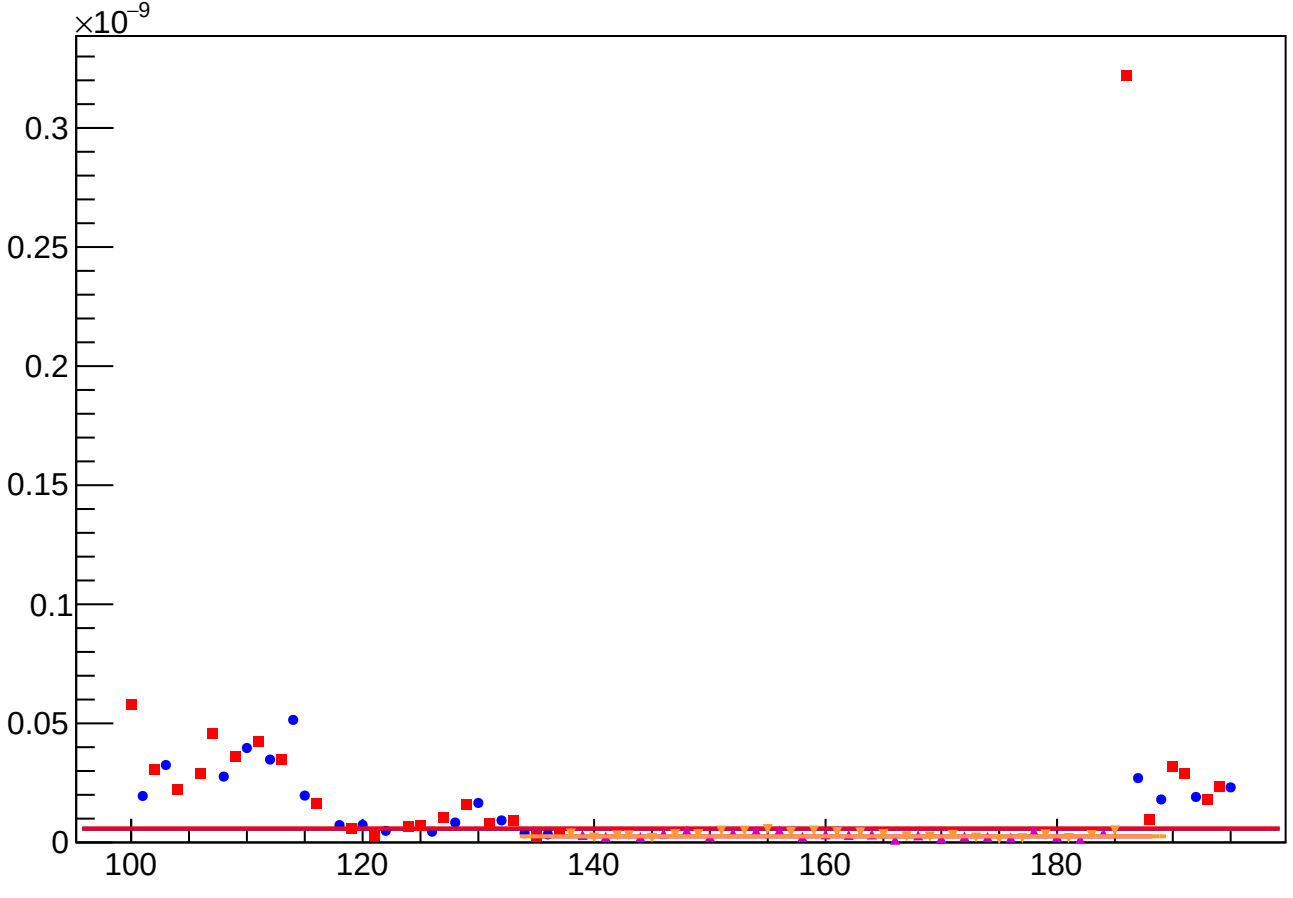
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/24

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: 84.0/92

- sign -0.000+/-0.000 χ^2/NDF: 35.0/47



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: 4990499.9/24

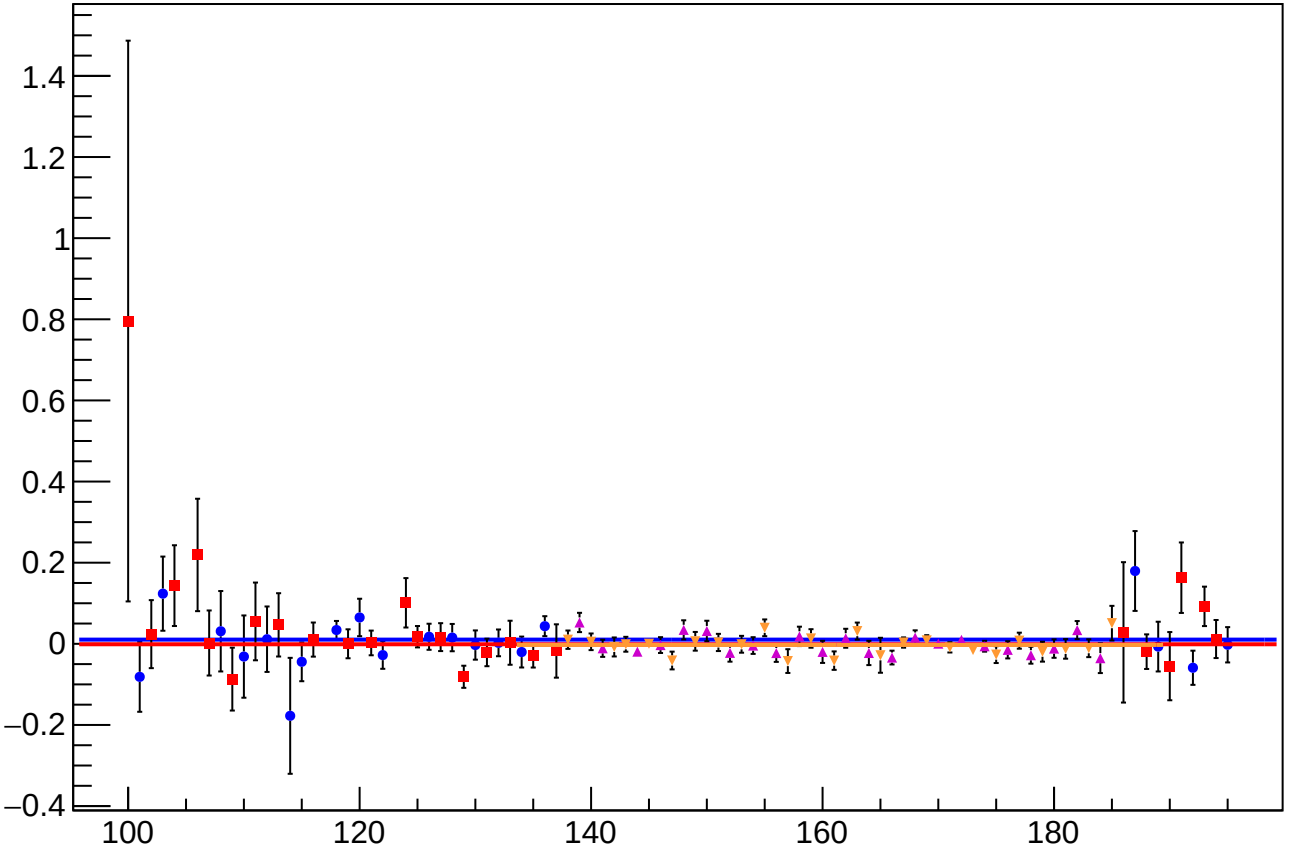
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7577553.8/44

All: 0.000+/-0.000 χ^2/NDF: 15559312.7/92

- sign 0.000+/-0.000 χ^2/NDF: 7979704.2/47

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: 29.7/24

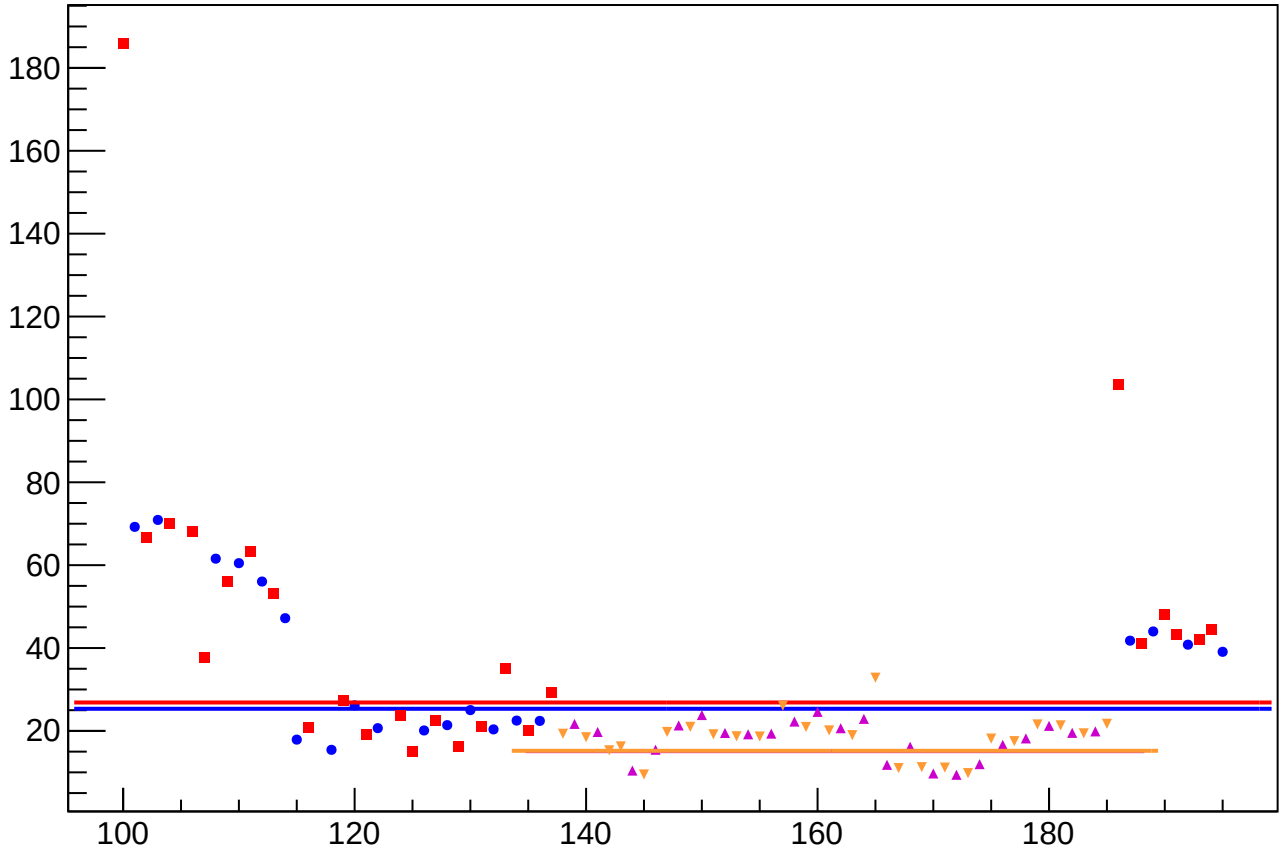
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.002+/-0.002 χ^2/NDF: 99.3/92

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47

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

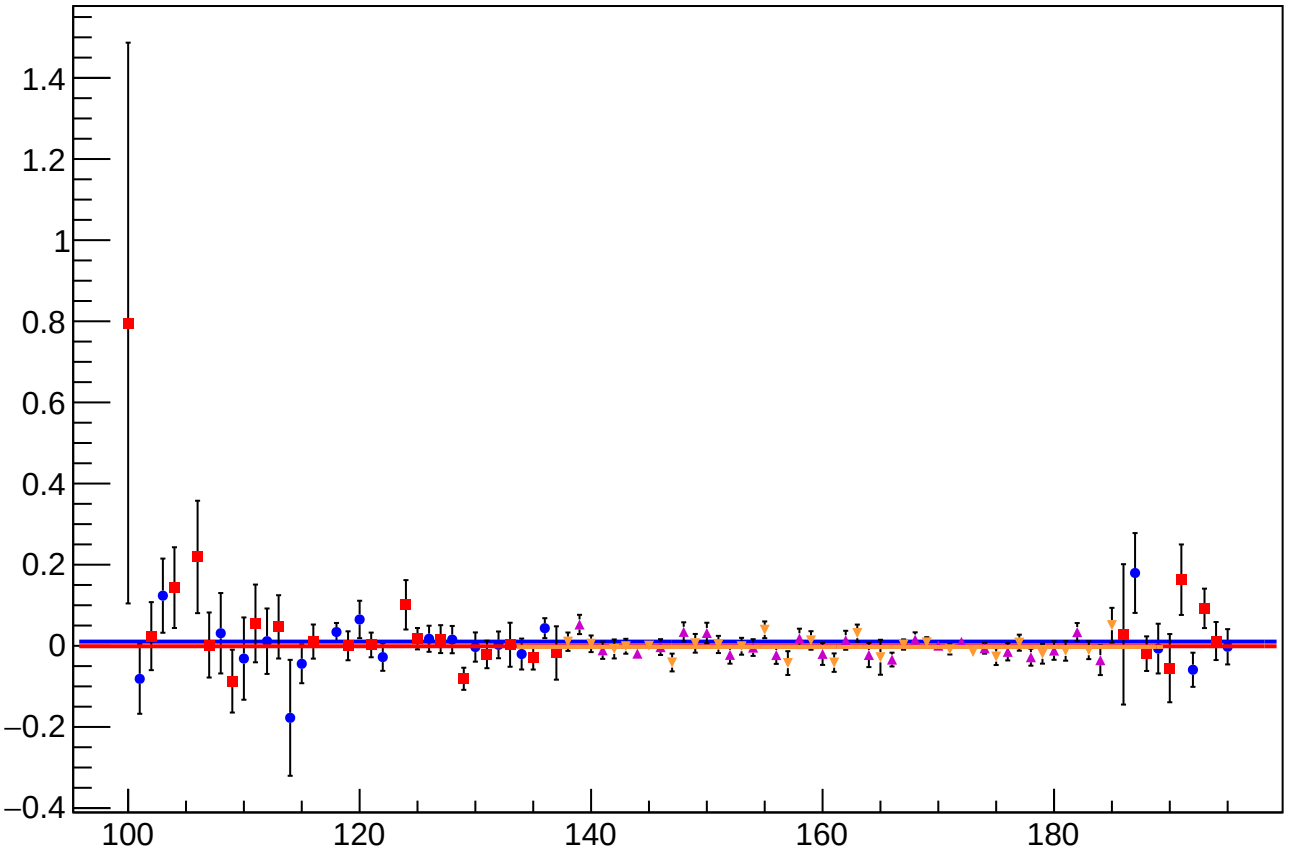
Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.613+/-0.002 χ^2/NDF: 8742820.7/44

All: 16.714+/-0.002 χ^2/NDF: 19255609.8/92

\- sign 16.821+/-0.003 χ^2/NDF: 10509220.4/47



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

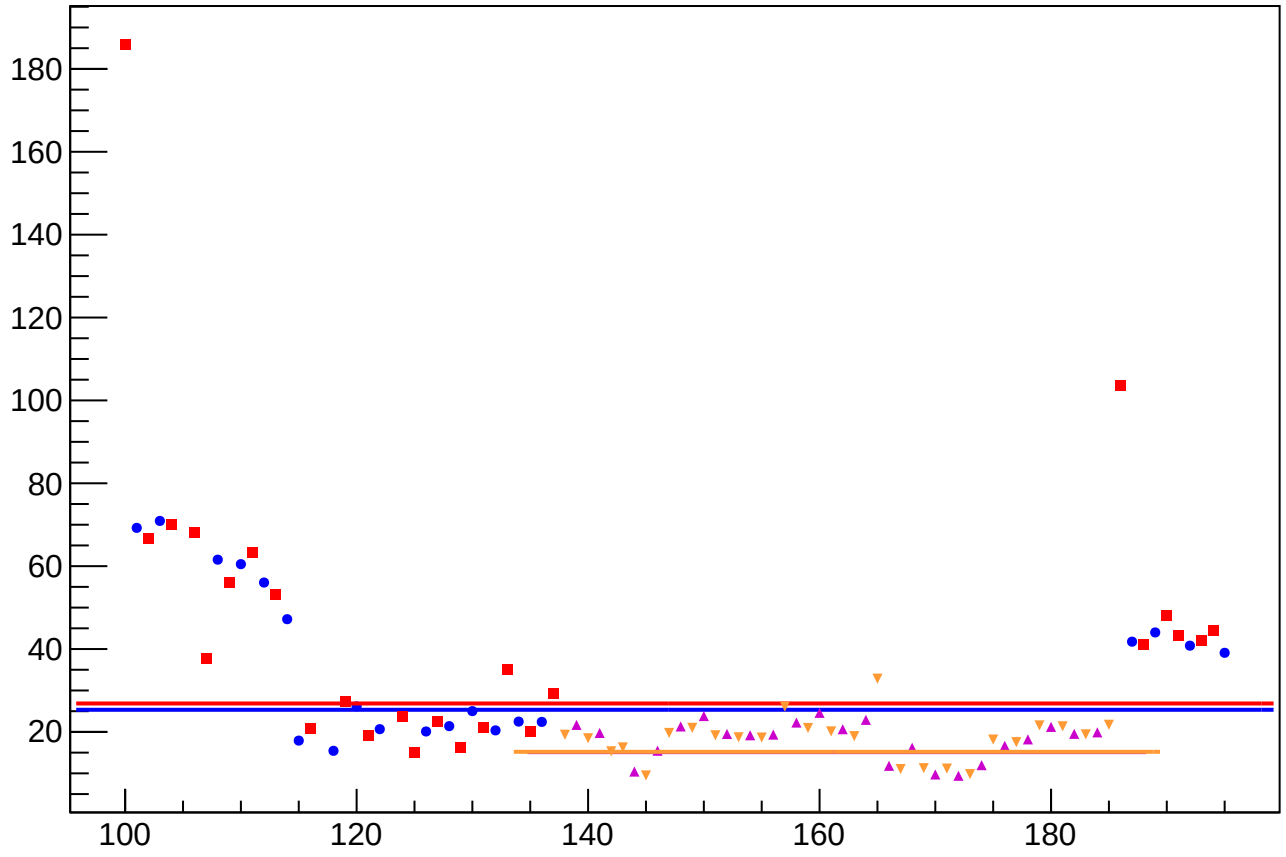
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.002+/-0.002 χ^2/NDF: 99.3/92

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 25.341+/-0.007 χ^2/NDF: 3216701.1/19

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

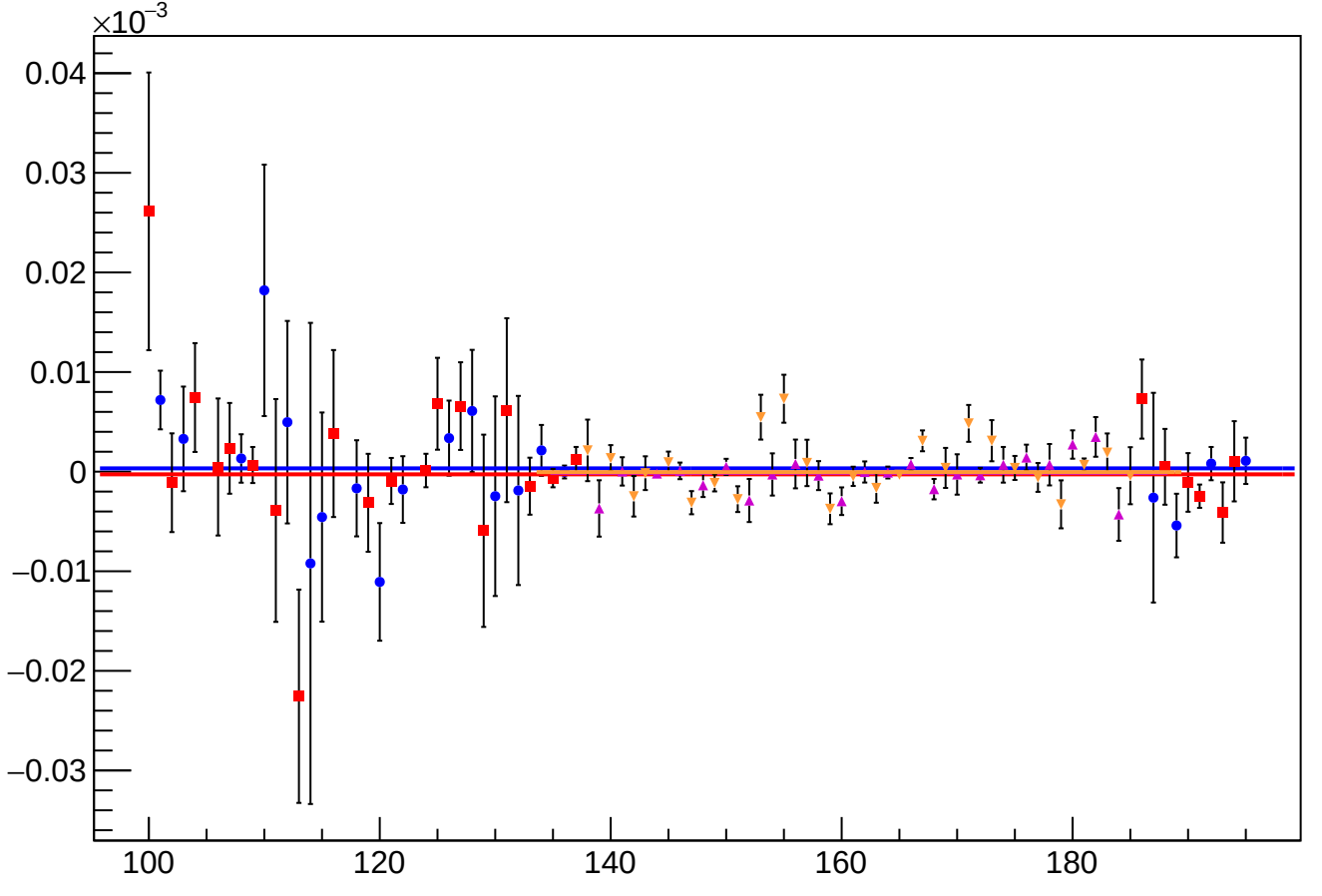
Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742820.7/44

All: 16.714+/-0.002 χ^2/NDF: 19255609.8/92

- sign 16.821+/-0.003 χ^2/NDF: 10509220.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

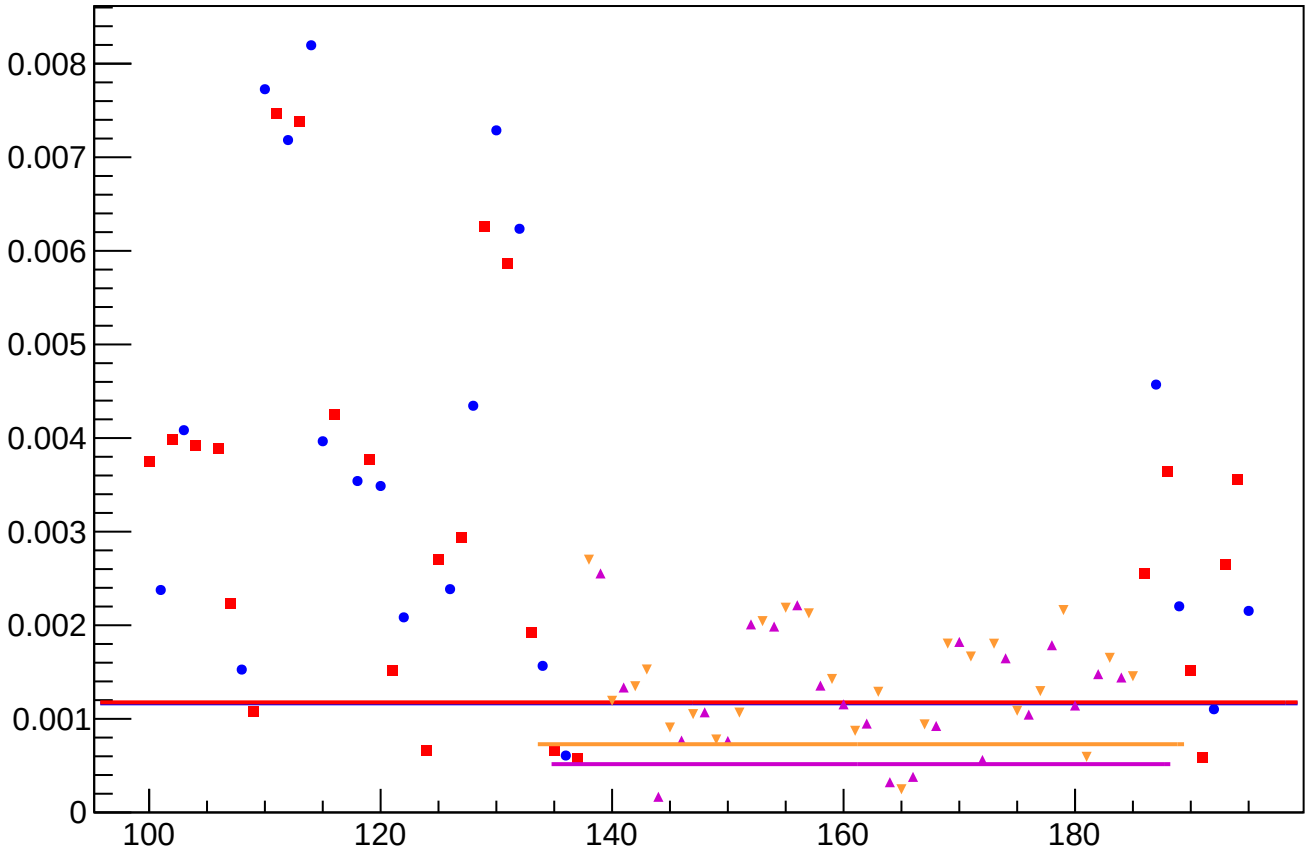
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/24

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: 135.5/92

- sign -0.000+/-0.000 χ^2/NDF: 53.2/47



Right In: 0.001+/-0.000 χ^2/NDF: 7882910.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

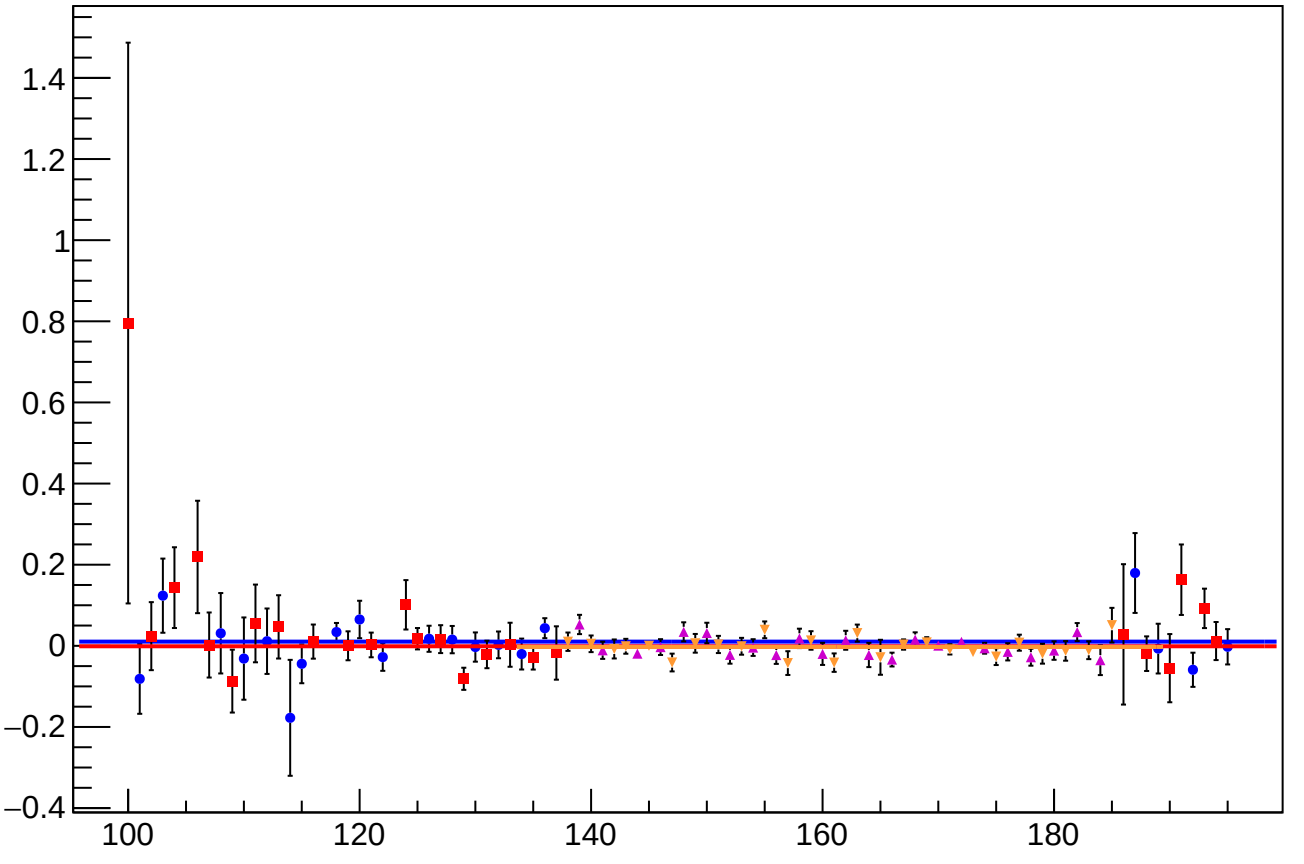
Right Out: 0.001+/-0.000 χ^2/NDF: 9599887.6/24

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: 51388915.9/92

- sign 0.001+/-0.000 χ^2/NDF: 27901009.2/47



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

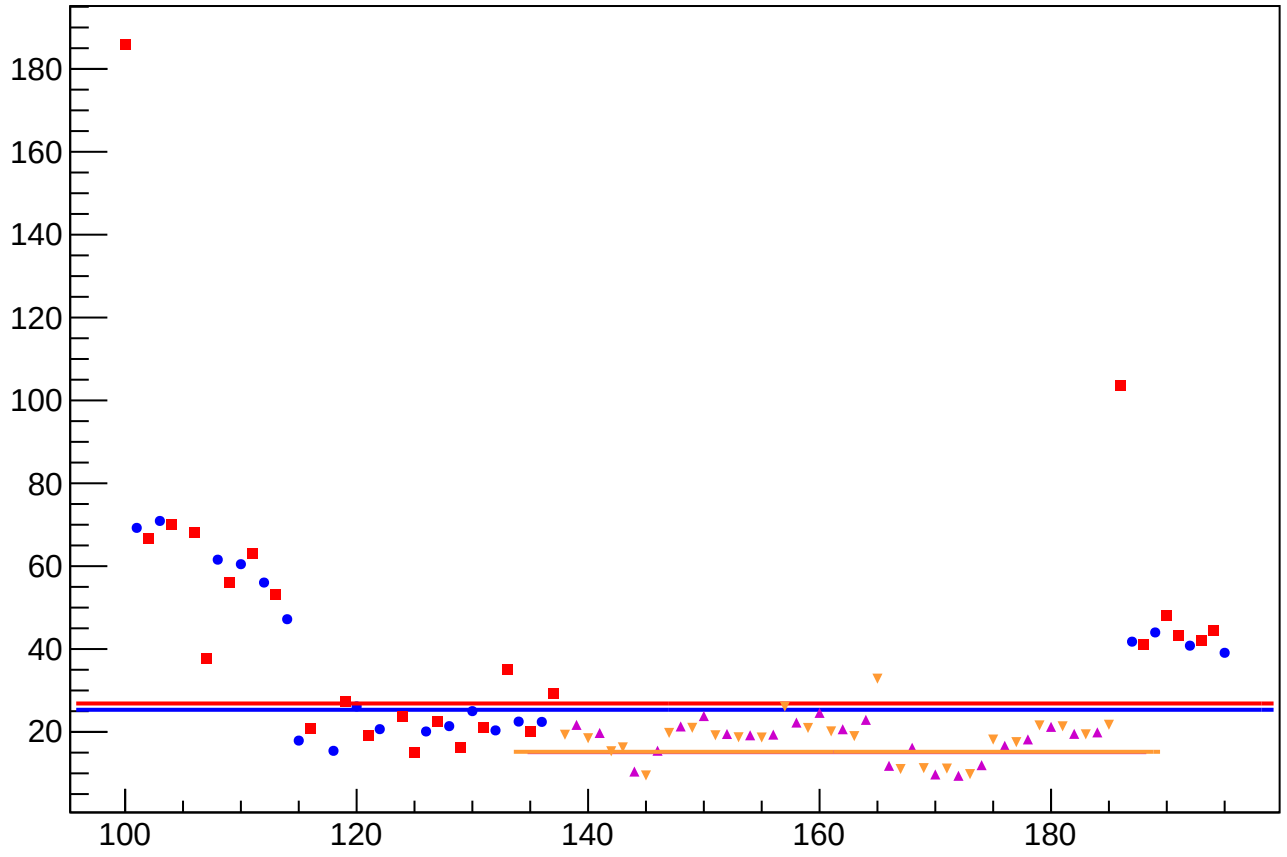
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.002+/-0.002 χ^2/NDF: 99.3/92

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

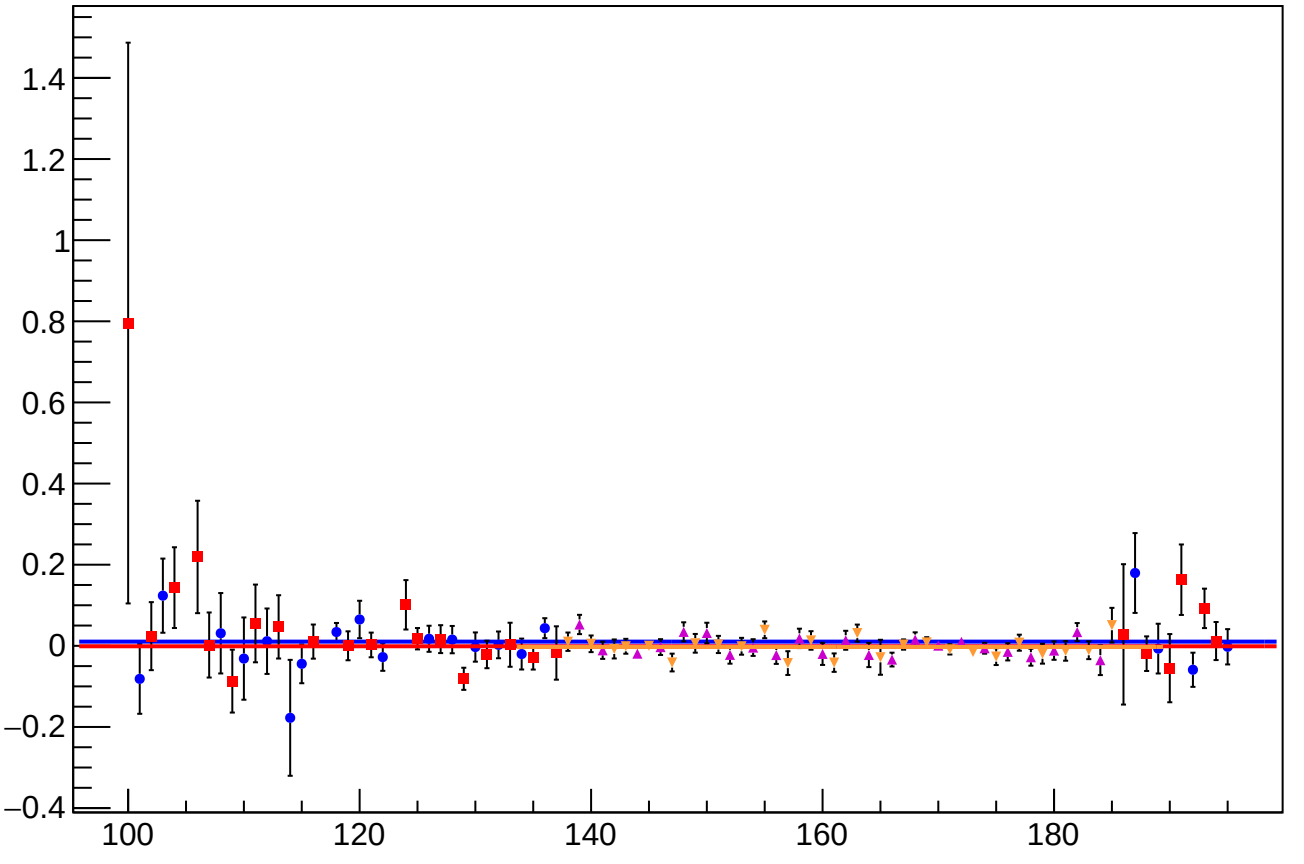
Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742711.7/44

All: 16.714+/-0.002 χ^2/NDF: 19255428.7/92

- sign 16.821+/-0.003 χ^2/NDF: 10509145.0/47



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

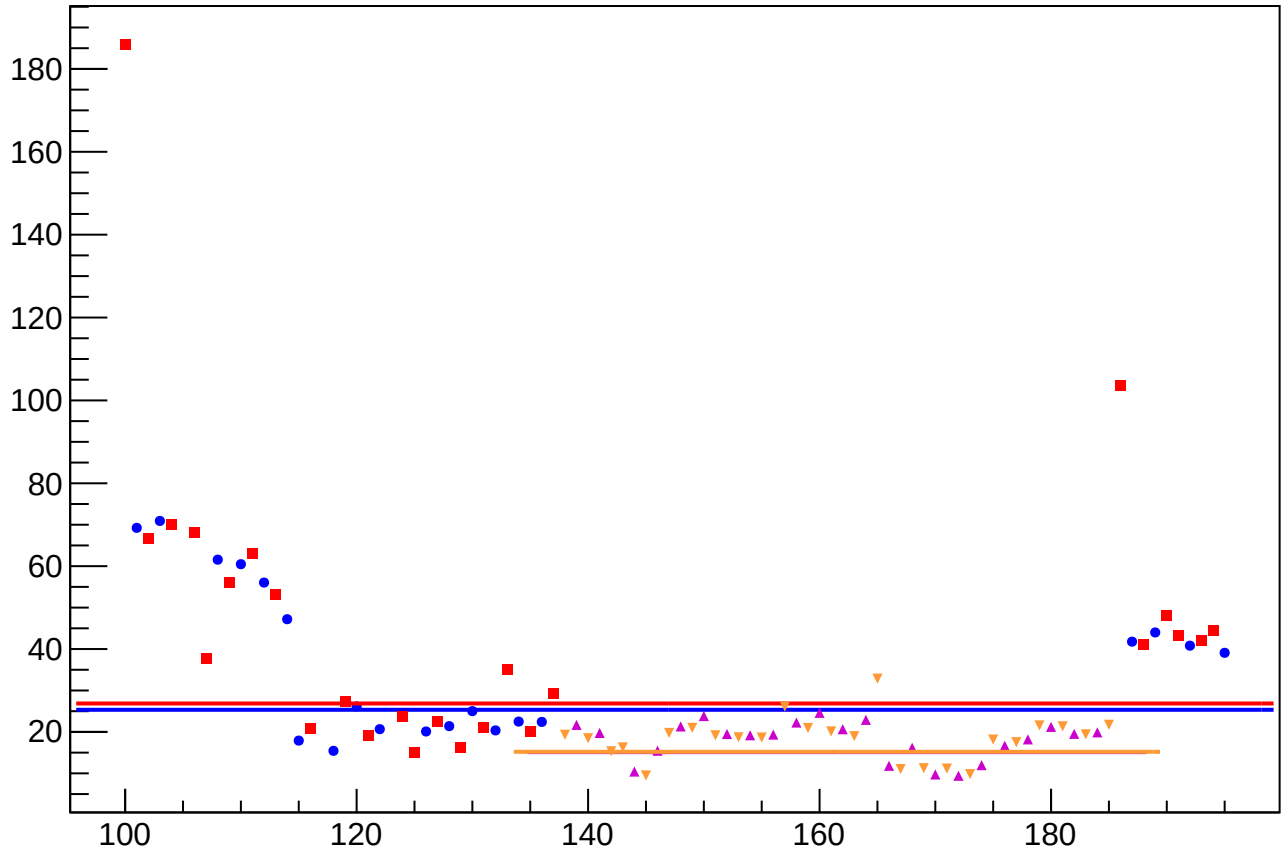
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/44

All: -0.002+/-0.002 χ^2/NDF: 99.3/92

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

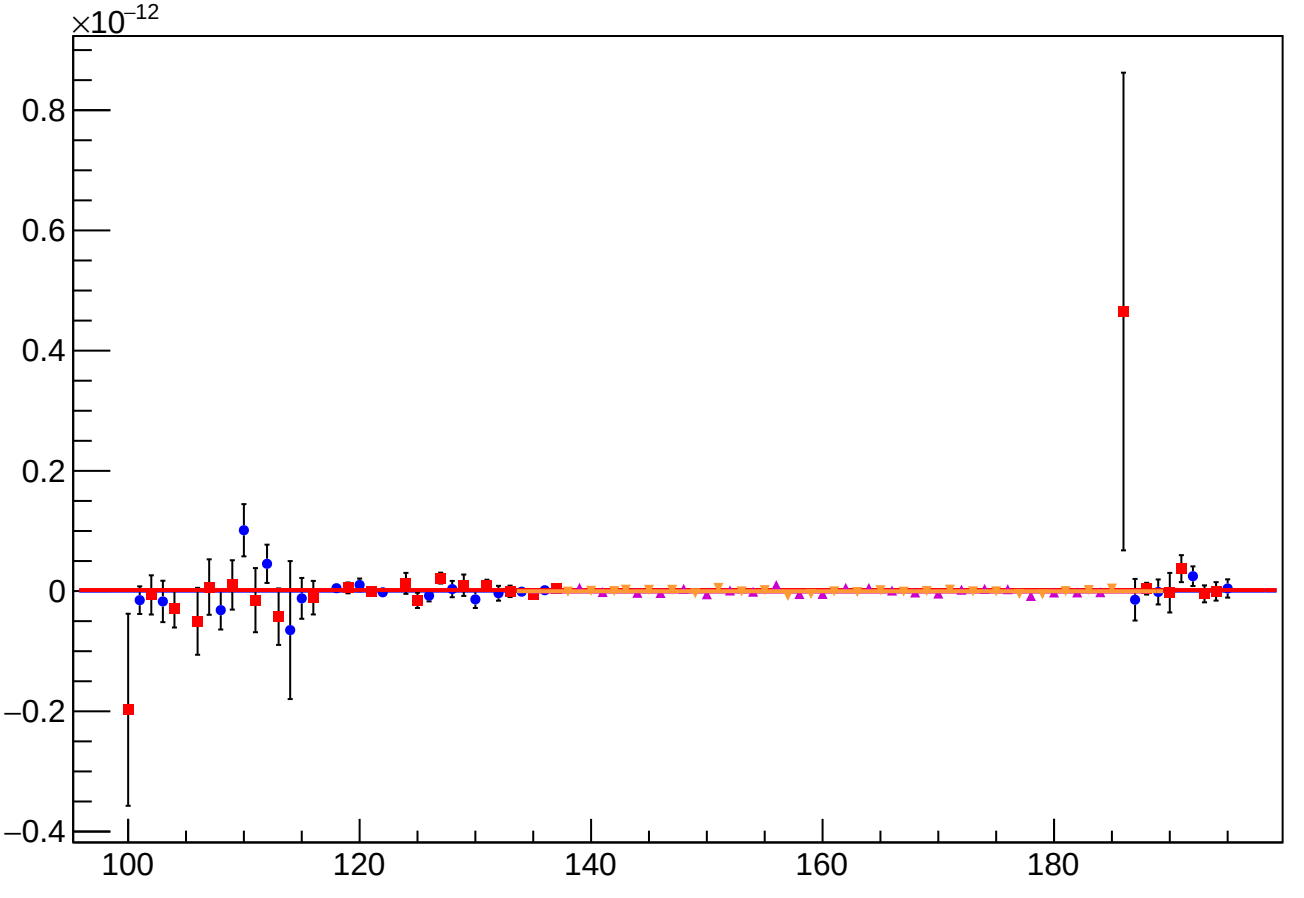
Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.613+/-0.002 χ^2/NDF: 8742711.7/44

All: 16.714+/-0.002 χ^2/NDF: 19255428.7/92

- sign 16.821+/-0.003 χ^2/NDF: 10509145.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

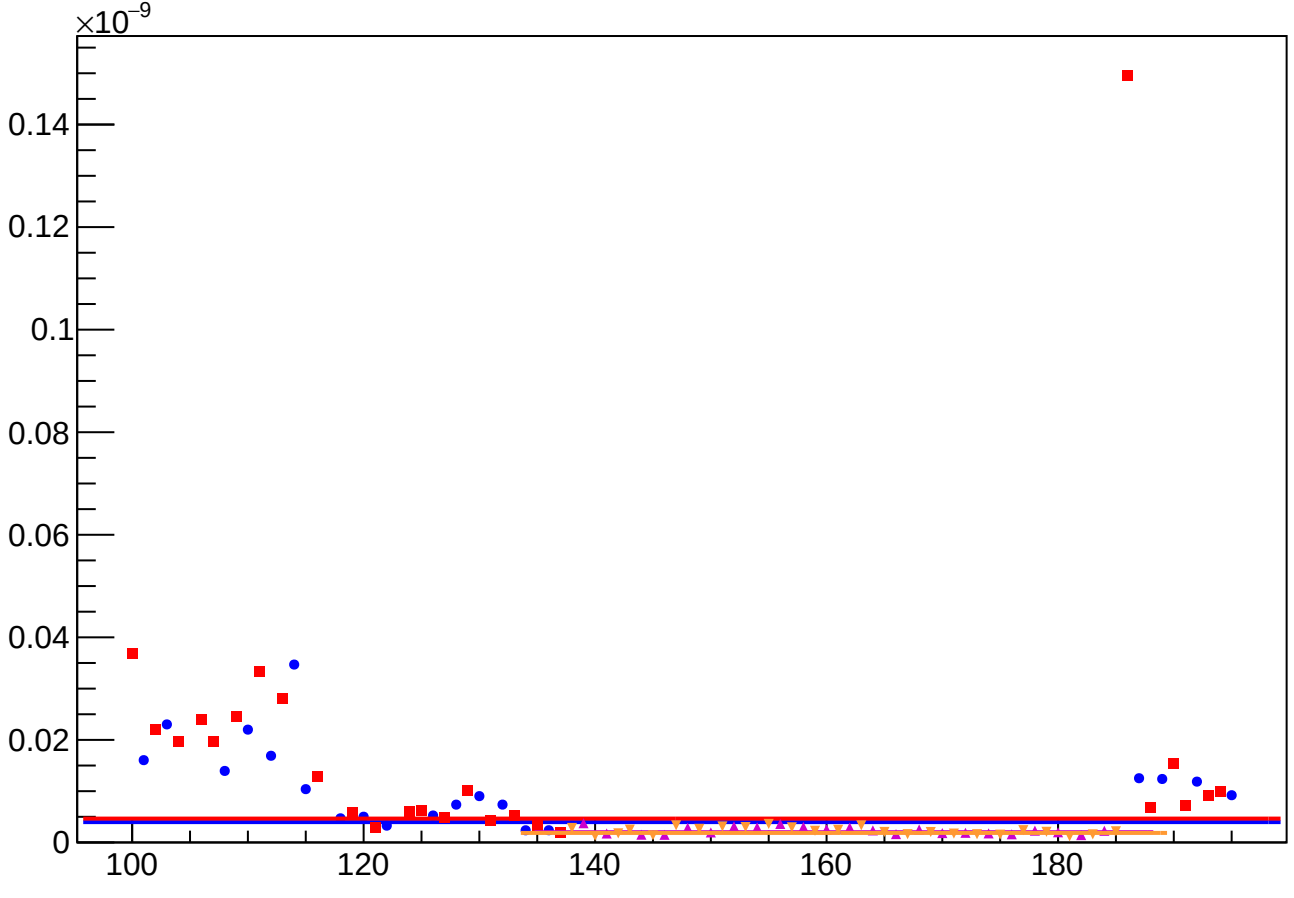
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/24

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: 98.0/92

- sign -0.000+/-0.000 χ^2/NDF: 60.5/47



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: 5573842.9/24

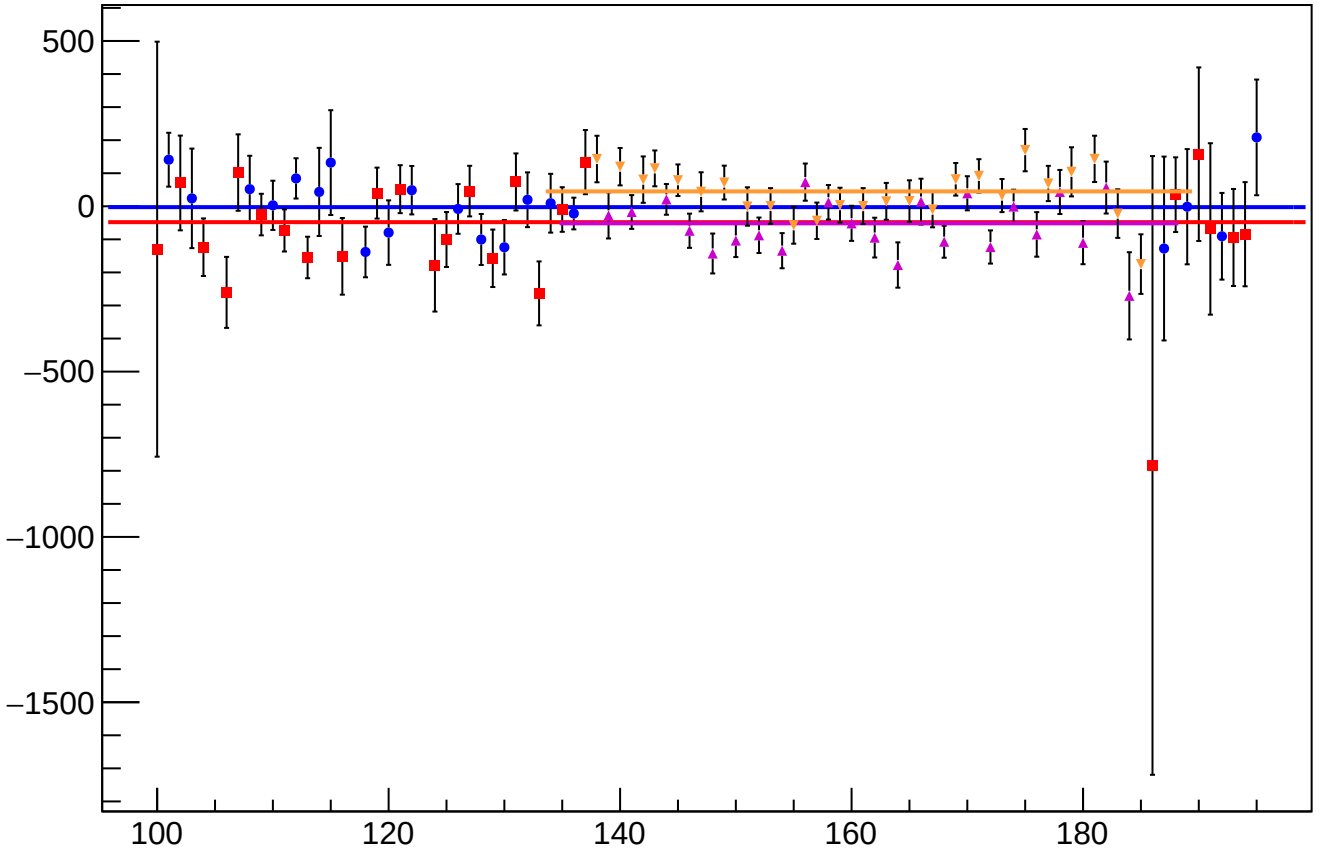
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9497255.4/44

All: 0.000+/-0.000 χ^2/NDF: 19792009.5/92

- sign 0.000+/-0.000 χ^2/NDF: 10190115.6/47

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: -47.988+/-18.921 χ^2/NDF: 31.3/24

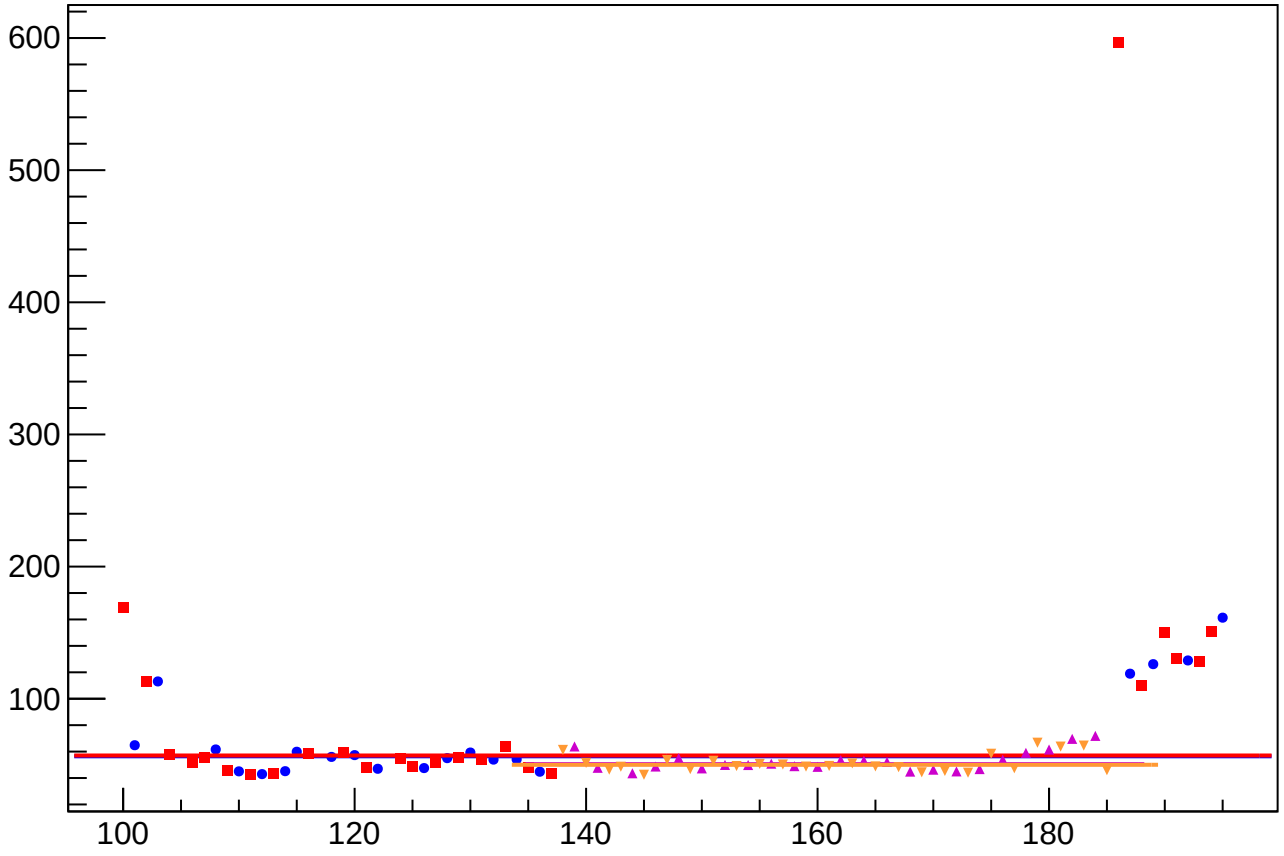
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.781+/-9.898 χ^2/NDF: 52.5/44

All: -8.099+/-7.066 χ^2/NDF: 154.4/92

- sign -50.584+/-10.091 χ^2/NDF: 67.2/47

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: 57.050+/-0.013 χ^2/NDF: 3488344.3/24

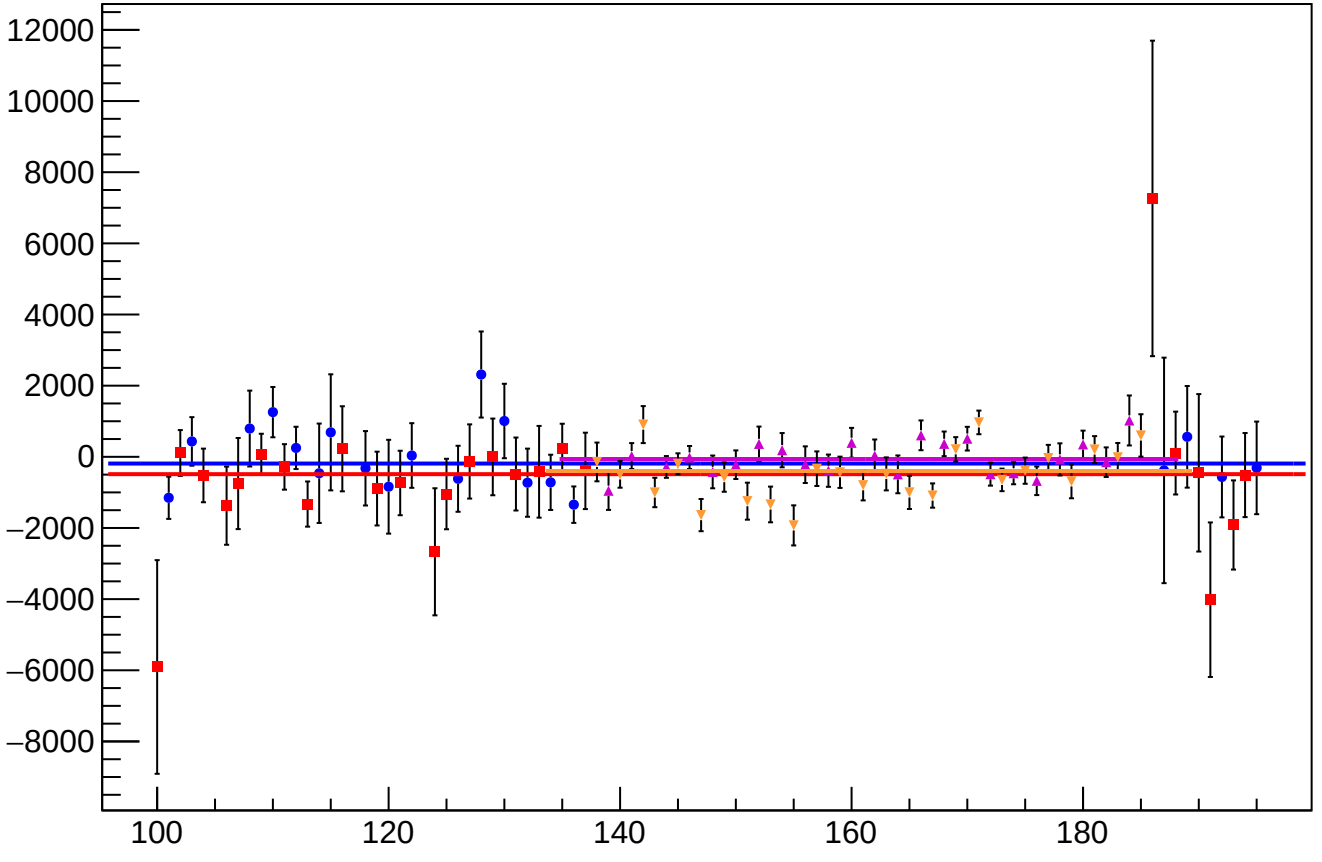
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077709.8/44

All: 52.017+/-0.005 χ^2/NDF: 7245179.0/92

- sign 52.372+/-0.007 χ^2/NDF: 4162635.2/47

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -189.193+/-197.786 χ^2/NDF: 21.8/19

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

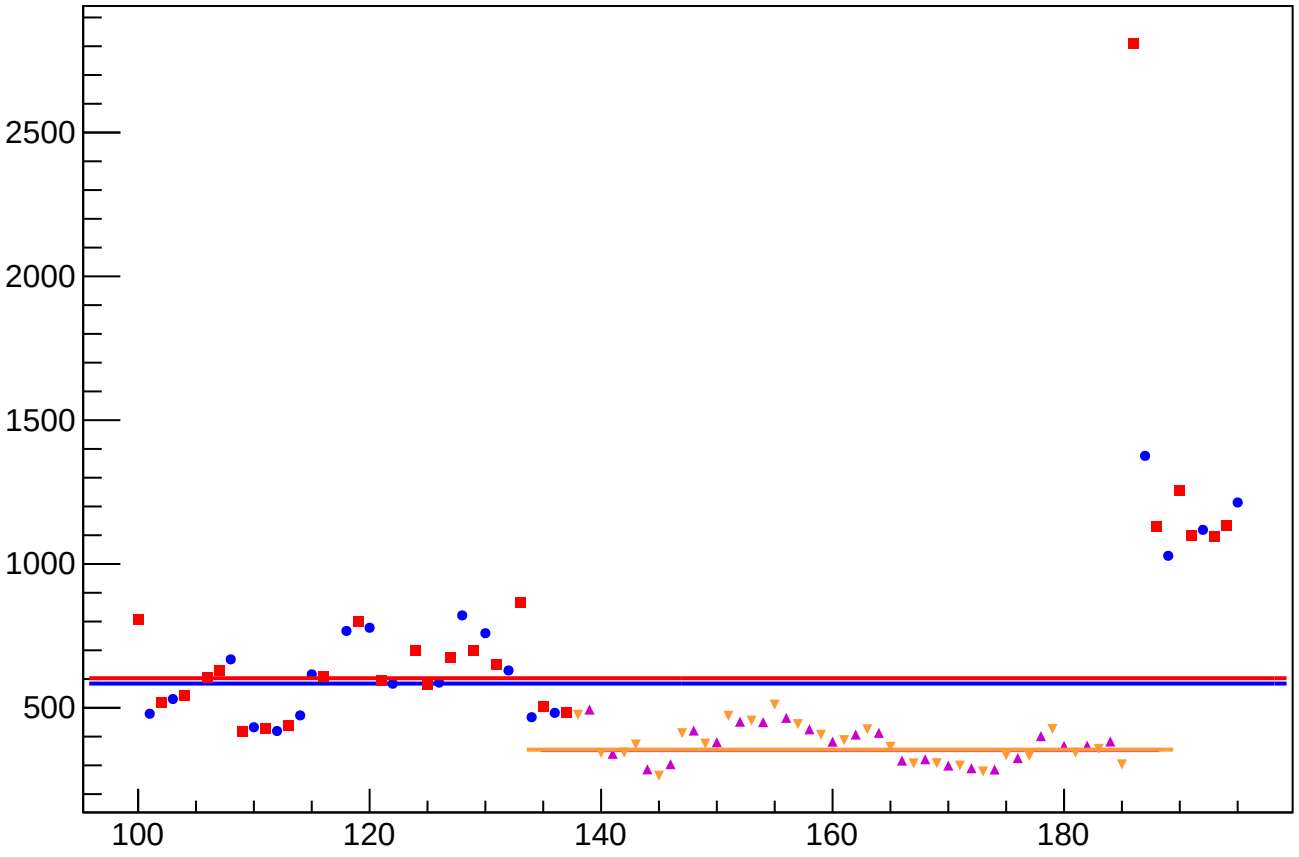
Right Out: -487.314+/-193.870 χ^2/NDF: 18.6/24

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.496+/-75.798 χ^2/NDF: 88.1/44

All: -250.676+/-54.015 χ^2/NDF: 139.6/92

- sign -129.112+/-76.993 χ^2/NDF: 46.6/47



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: 602.952+/-0.137 χ^2/NDF: 2710389.9/24

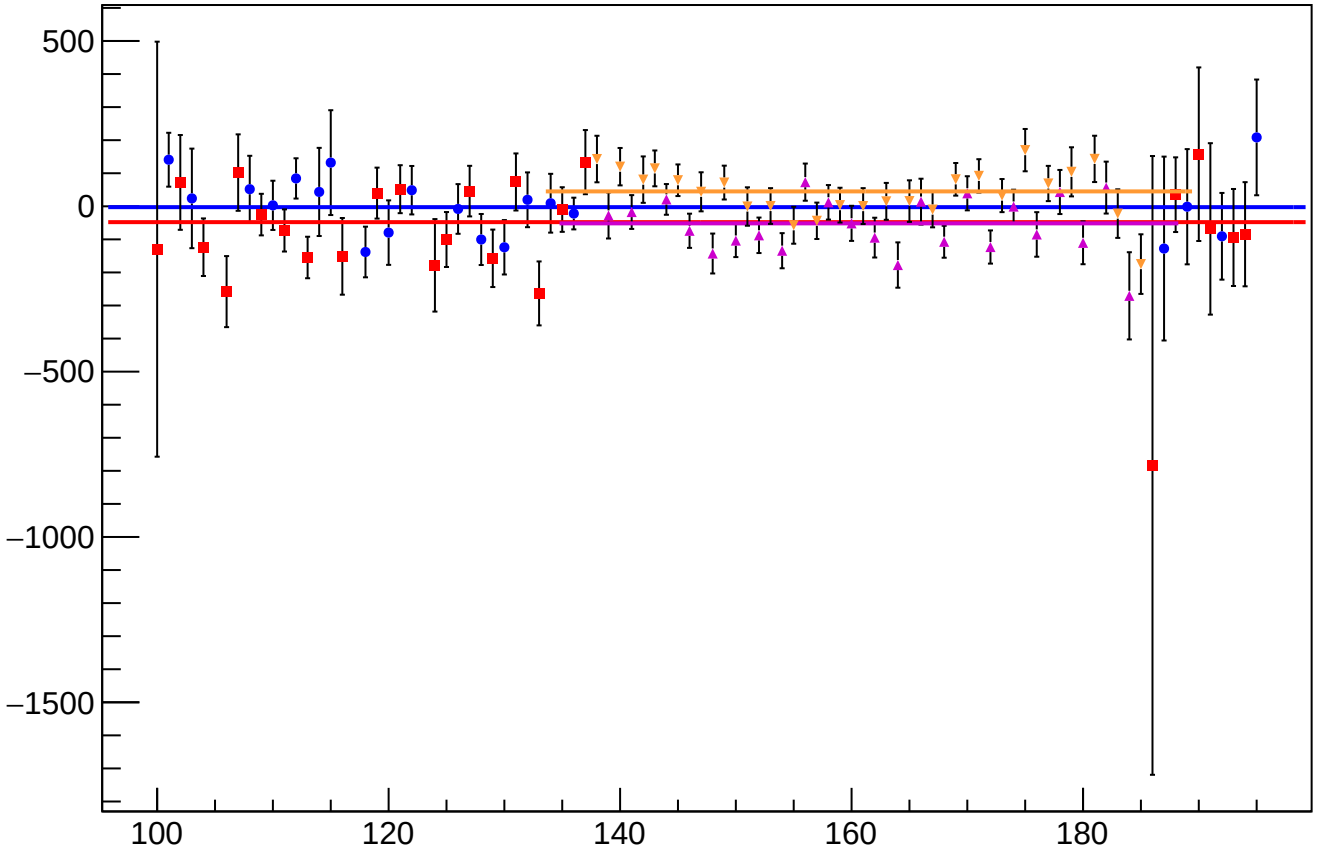
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 388.396+/-0.054 χ^2/NDF: 5387466.9/44

All: 390.423+/-0.038 χ^2/NDF: 11902569.3/92

- sign 392.514+/-0.054 χ^2/NDF: 6512196.6/47

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: -47.879+/-18.922 χ^2/NDF: 31.2/24

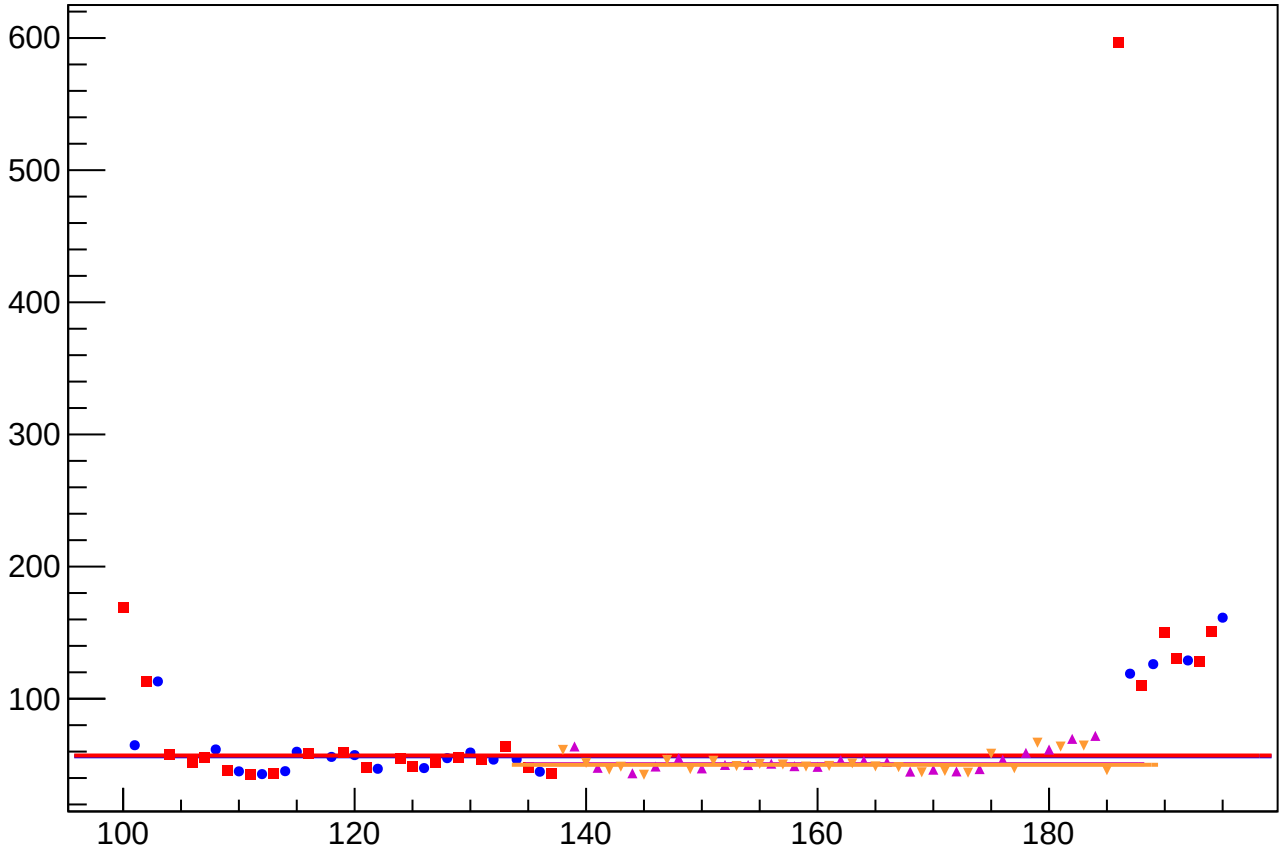
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.783+/-9.898 χ^2/NDF: 52.5/44

All: -8.082+/-7.066 χ^2/NDF: 154.3/92

- sign -50.553+/-10.091 χ^2/NDF: 67.1/47

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: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

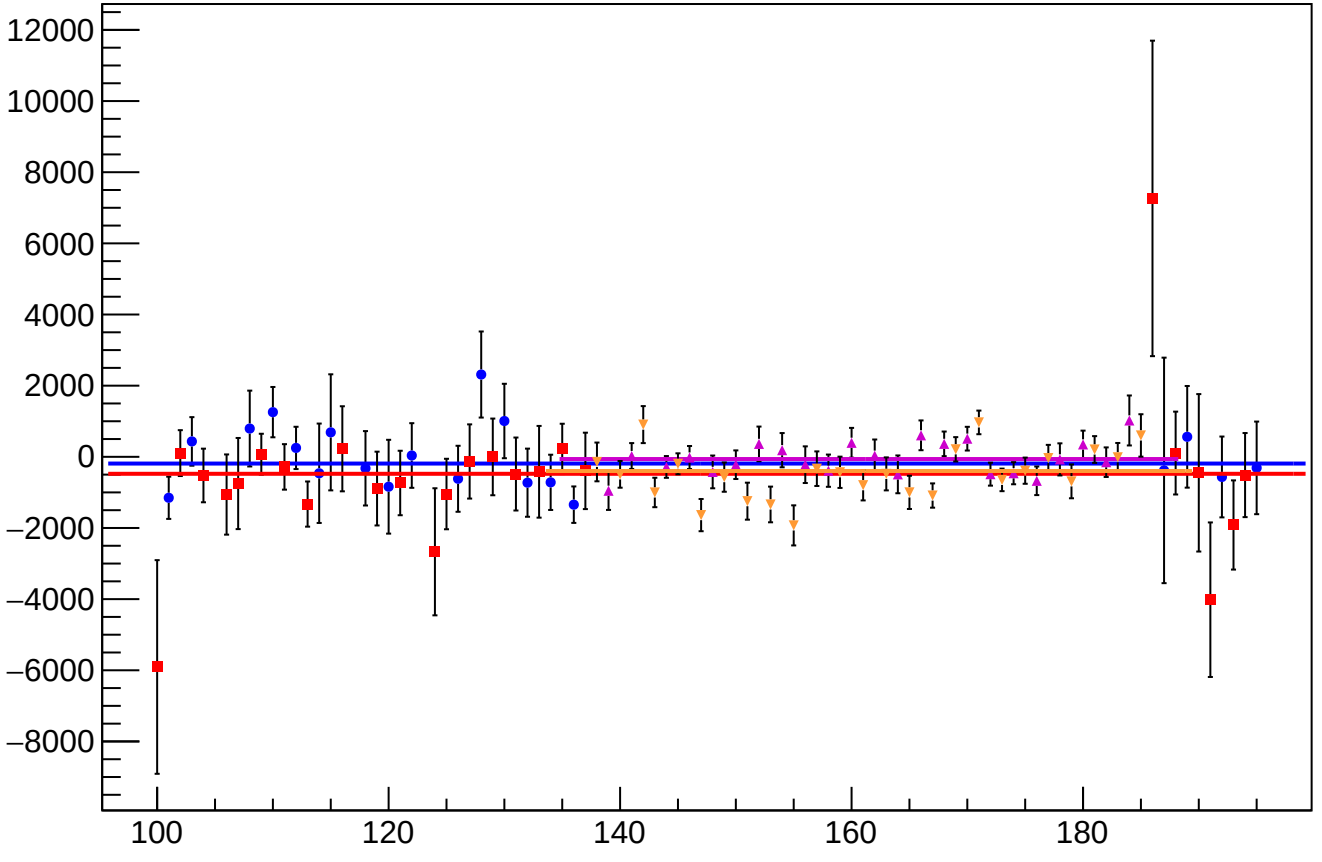
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077712.1/44

All: 52.016+/-0.005 χ^2/NDF: 7245451.6/92

- sign 52.369+/-0.007 χ^2/NDF: 4162943.2/47

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -189.172+/-197.788 χ^2/NDF: 21.8/19

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

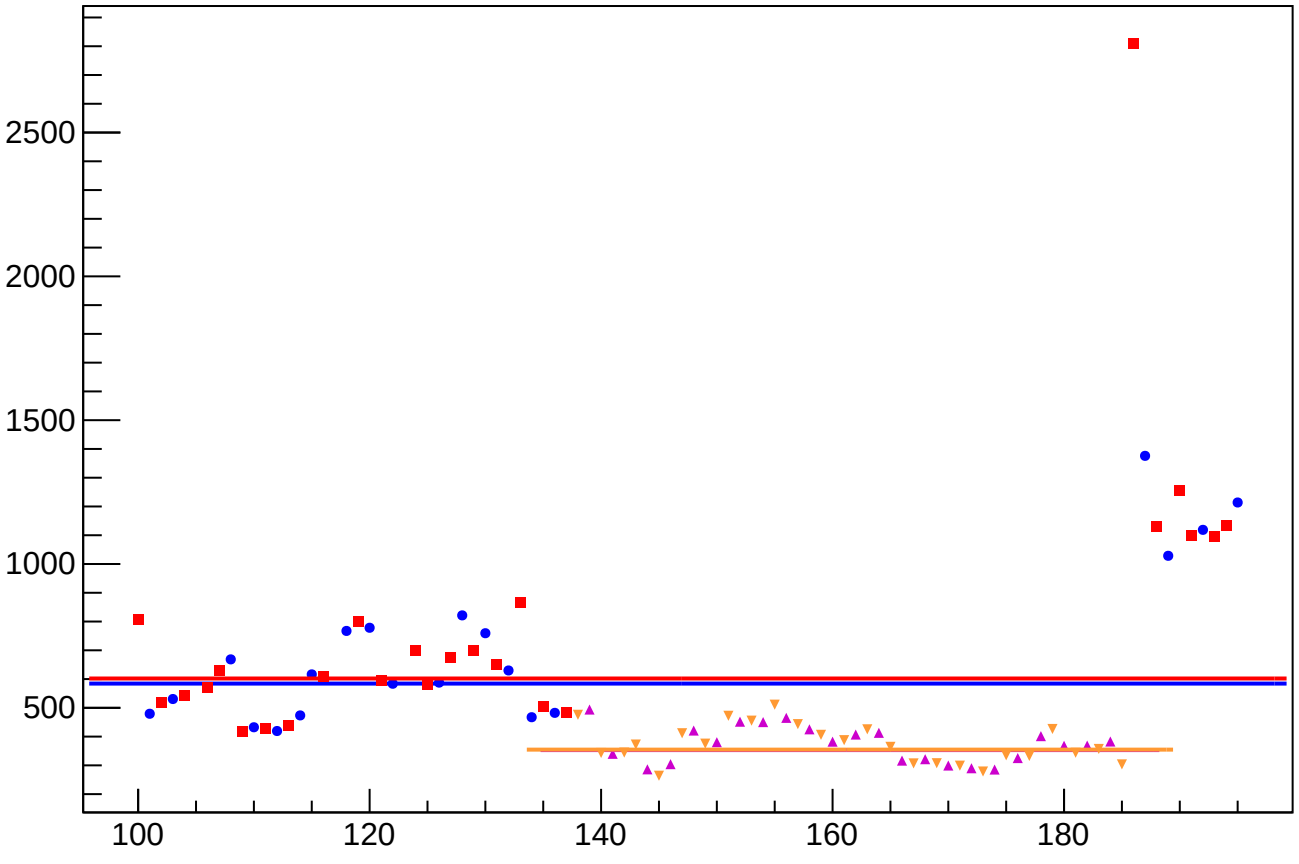
Right Out: -477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.489+/-75.798 χ^2/NDF: 88.1/44

All: -249.849+/-54.018 χ^2/NDF: 139.1/92

- sign -127.406+/-77.003 χ^2/NDF: 46.0/47



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: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

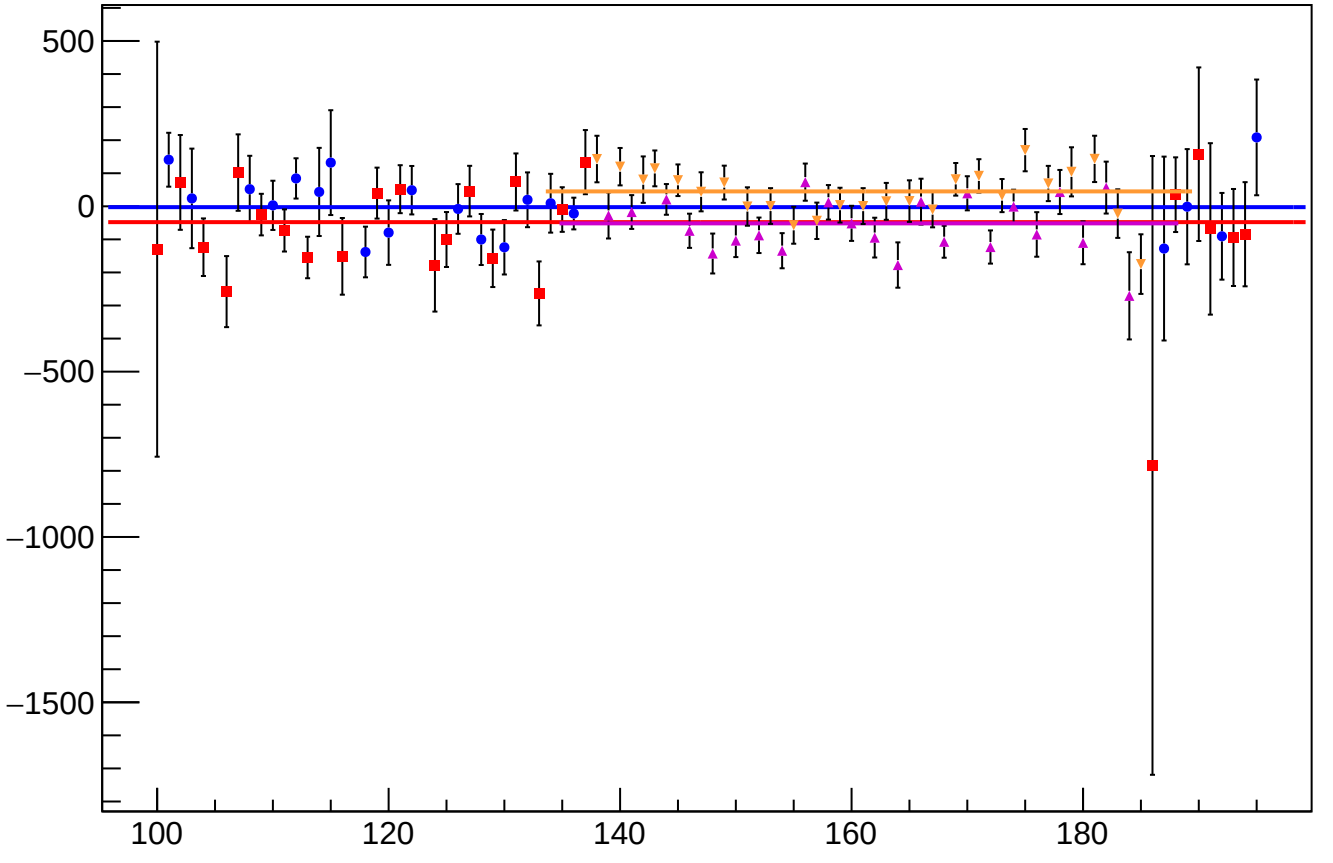
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 388.396+/-0.054 χ^2/NDF: 5387523.6/44

All: 390.318+/-0.038 χ^2/NDF: 11877162.2/92

- sign 392.301+/-0.054 χ^2/NDF: 6487027.3/47

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: -47.879+/-18.922 χ^2/NDF: 31.2/24

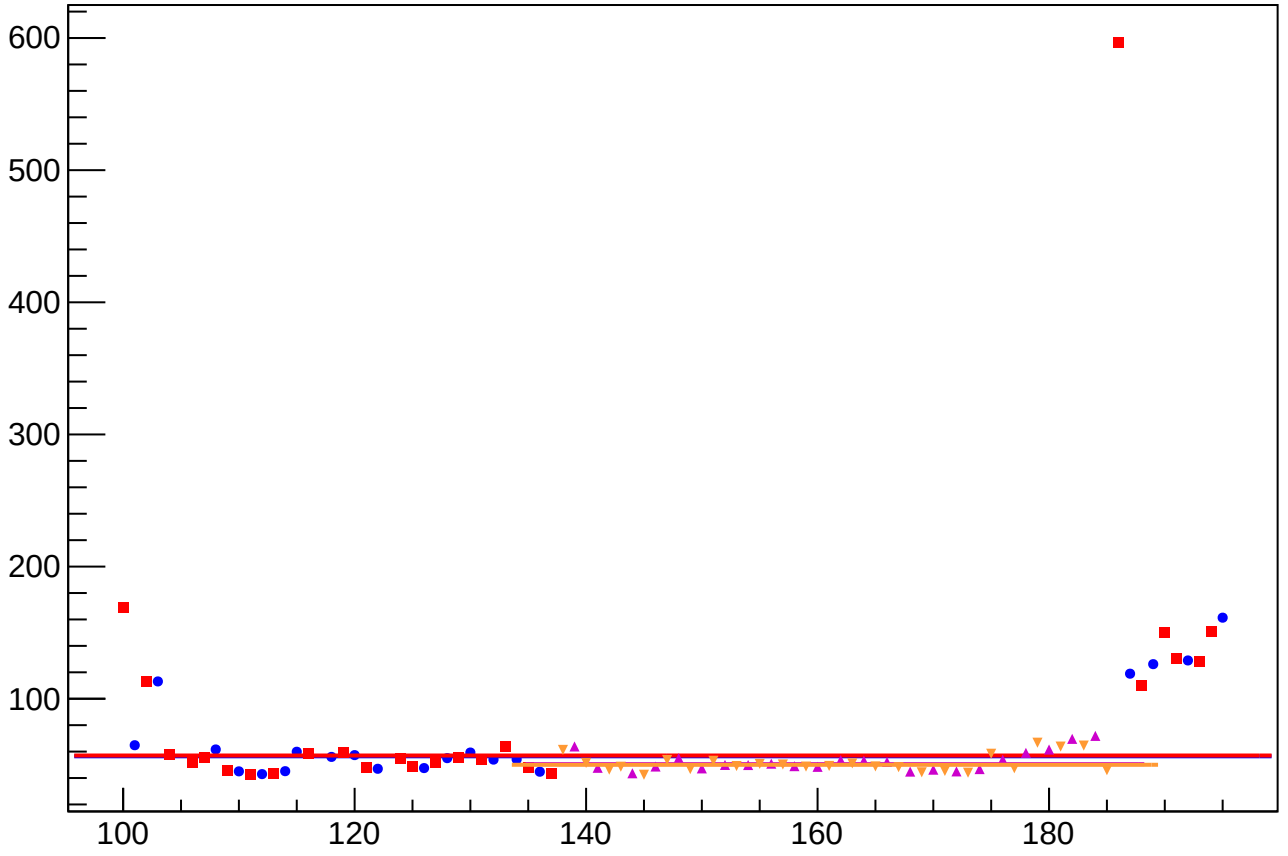
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.783+/-9.898 χ^2/NDF: 52.5/44

All: -8.082+/-7.066 χ^2/NDF: 154.3/92

- sign -50.553+/-10.091 χ^2/NDF: 67.1/47

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

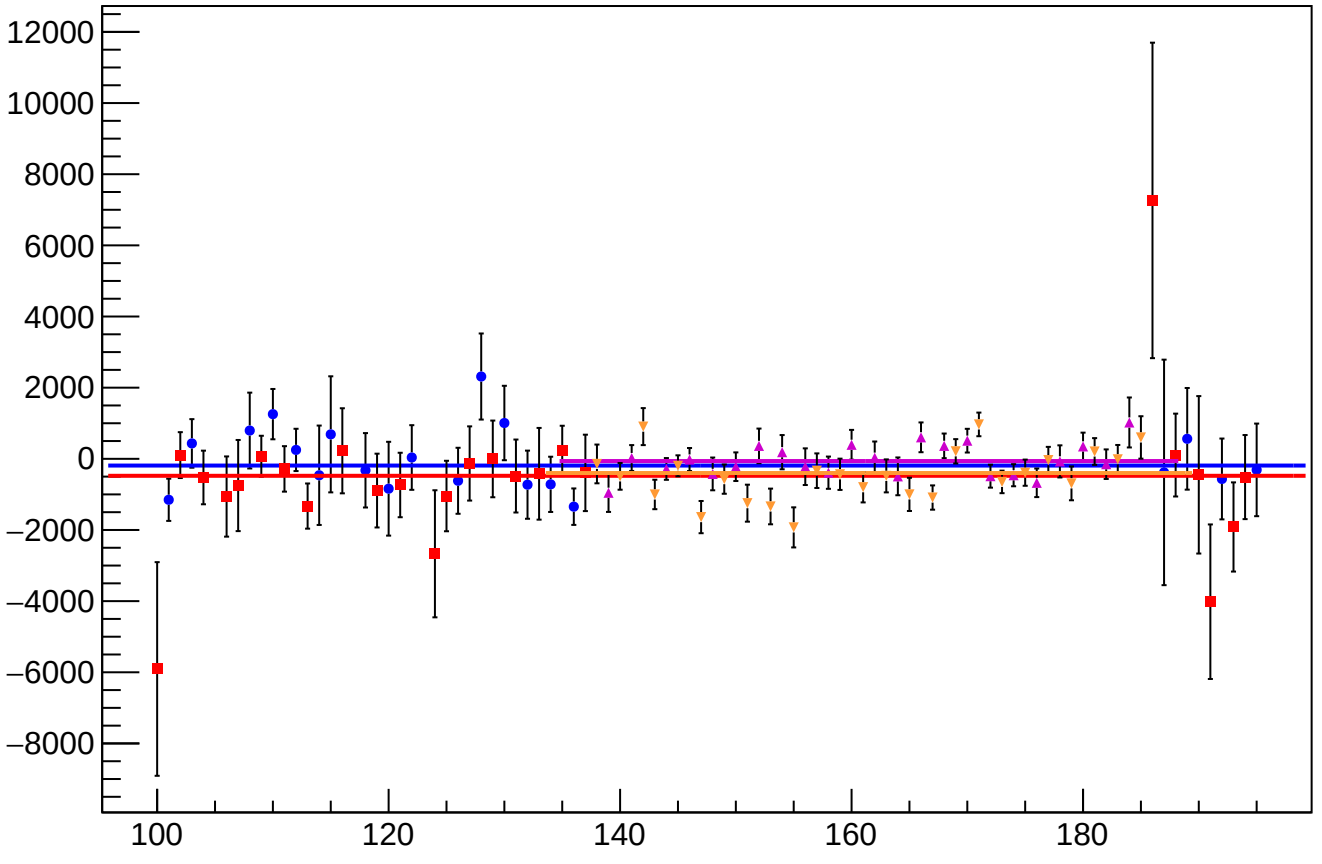
Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.677+/-0.007 χ^2/NDF: 3077712.1/44

All: 52.016+/-0.005 χ^2/NDF: 7245451.6/92

- sign 52.369+/-0.007 χ^2/NDF: 4162943.2/47



Right In: -189.172+/-197.788 χ^2/NDF: 21.8/19

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

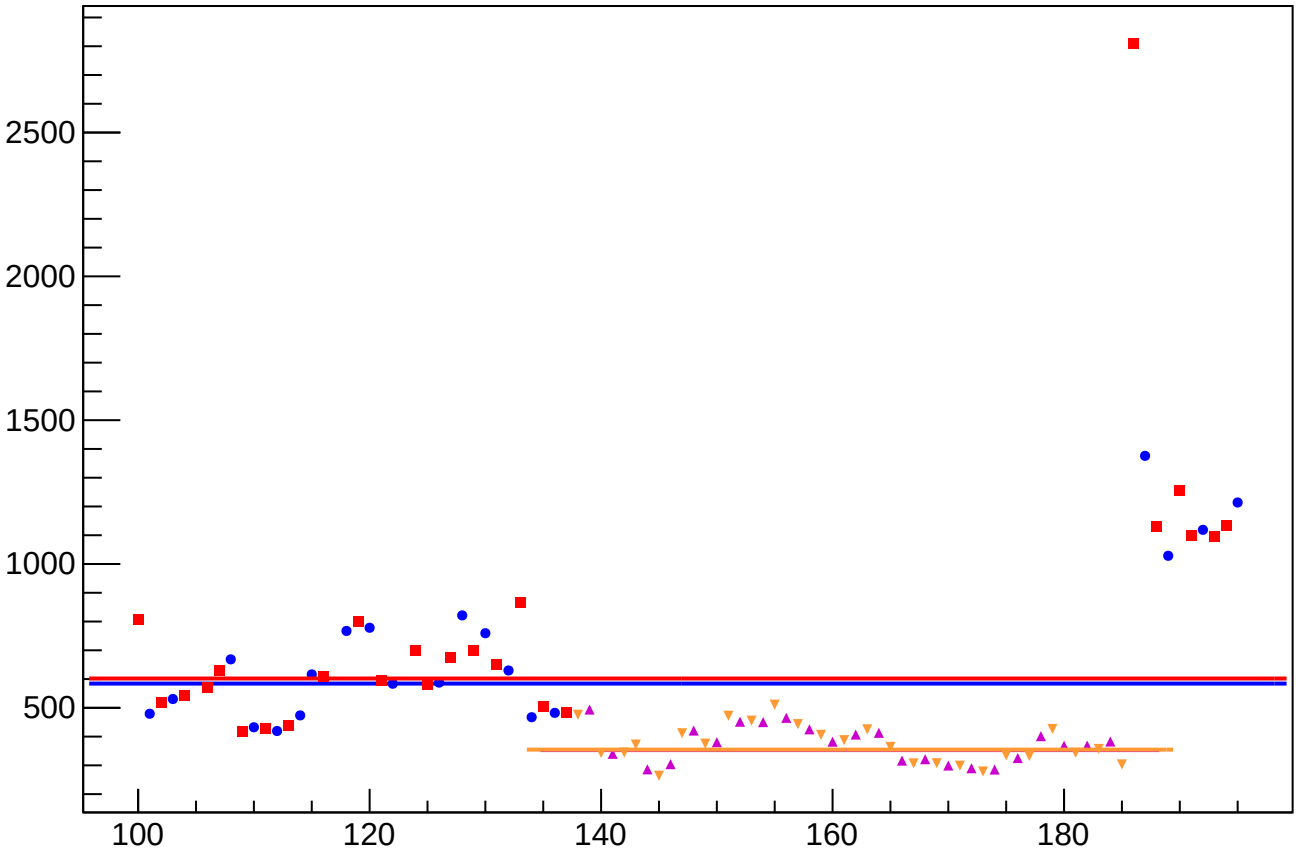
Right Out: -477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.489+/-75.798 χ^2/NDF: 88.1/44

All: -249.849+/-54.018 χ^2/NDF: 139.1/92

- sign -127.406+/-77.003 χ^2/NDF: 46.0/47



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: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

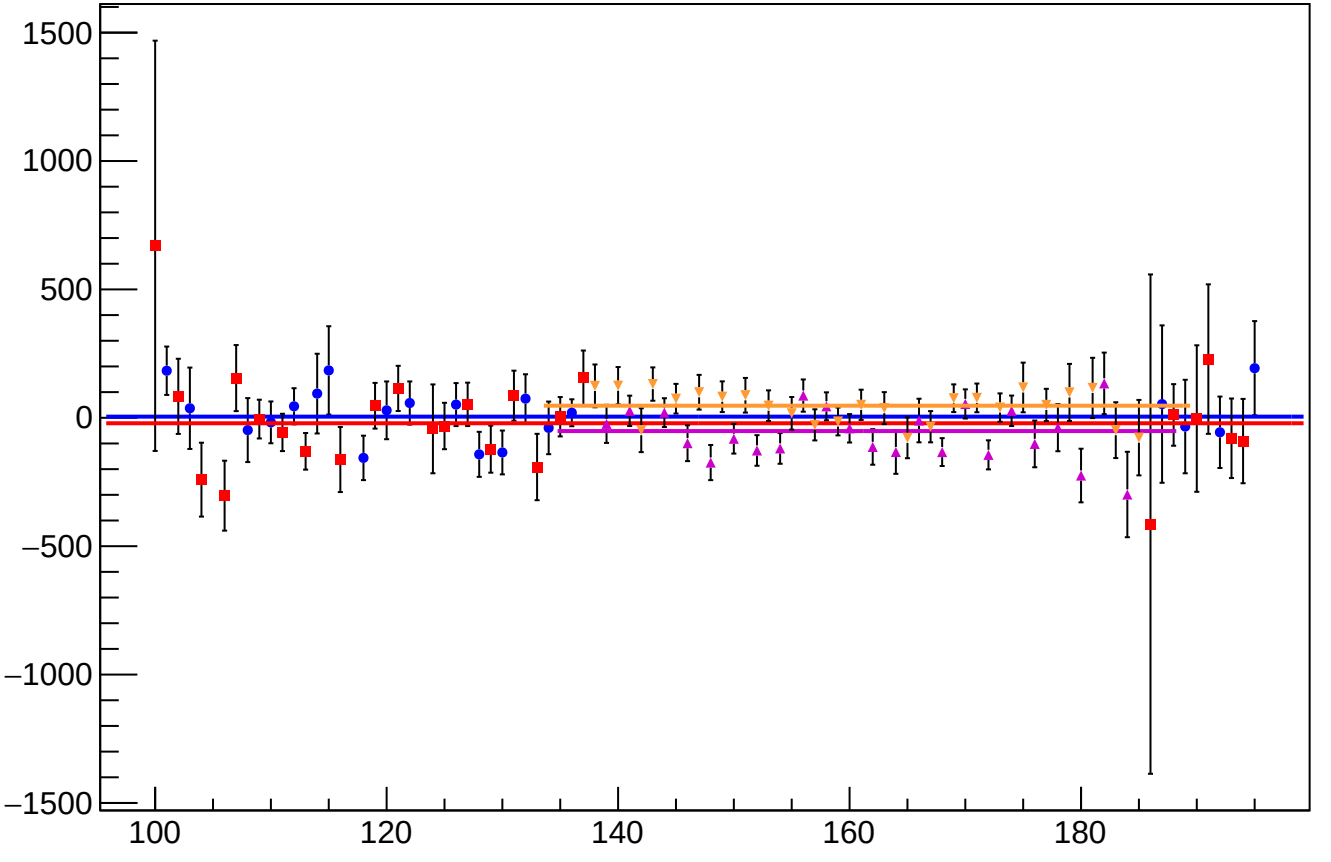
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

\+ sign 388.396+/-0.054 χ^2/NDF: 5387523.6/44

All: 390.318+/-0.038 χ^2/NDF: 11877162.2/92

\- sign 392.301+/-0.054 χ^2/NDF: 6487027.3/47

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: -21.254+/-21.809 χ^2/NDF: 25.7/24

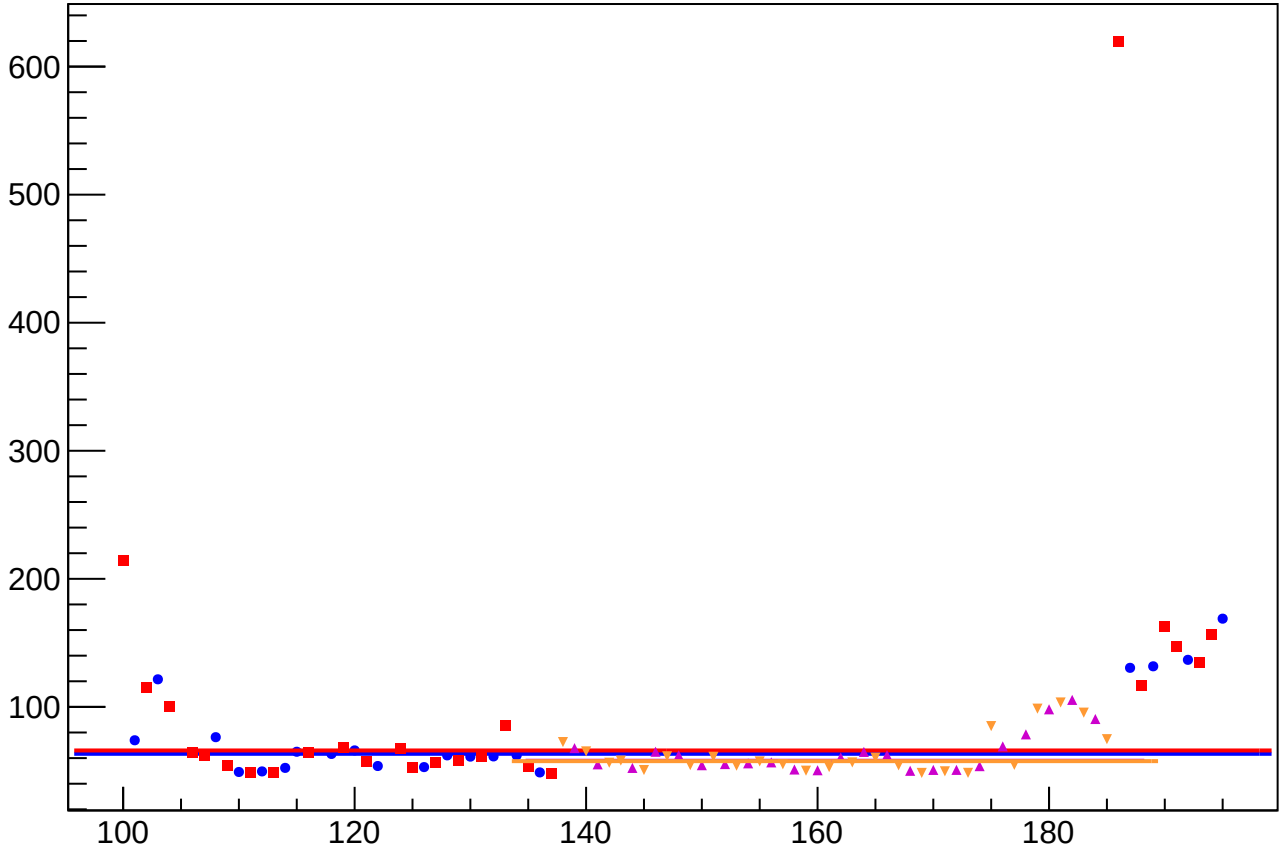
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.332+/-11.487 χ^2/NDF: 37.2/44

All: -2.897+/-8.211 χ^2/NDF: 125.2/92

- sign -42.841+/-11.742 χ^2/NDF: 65.3/47

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: 65.972+/-0.015 χ^2/NDF: 3350094.6/24

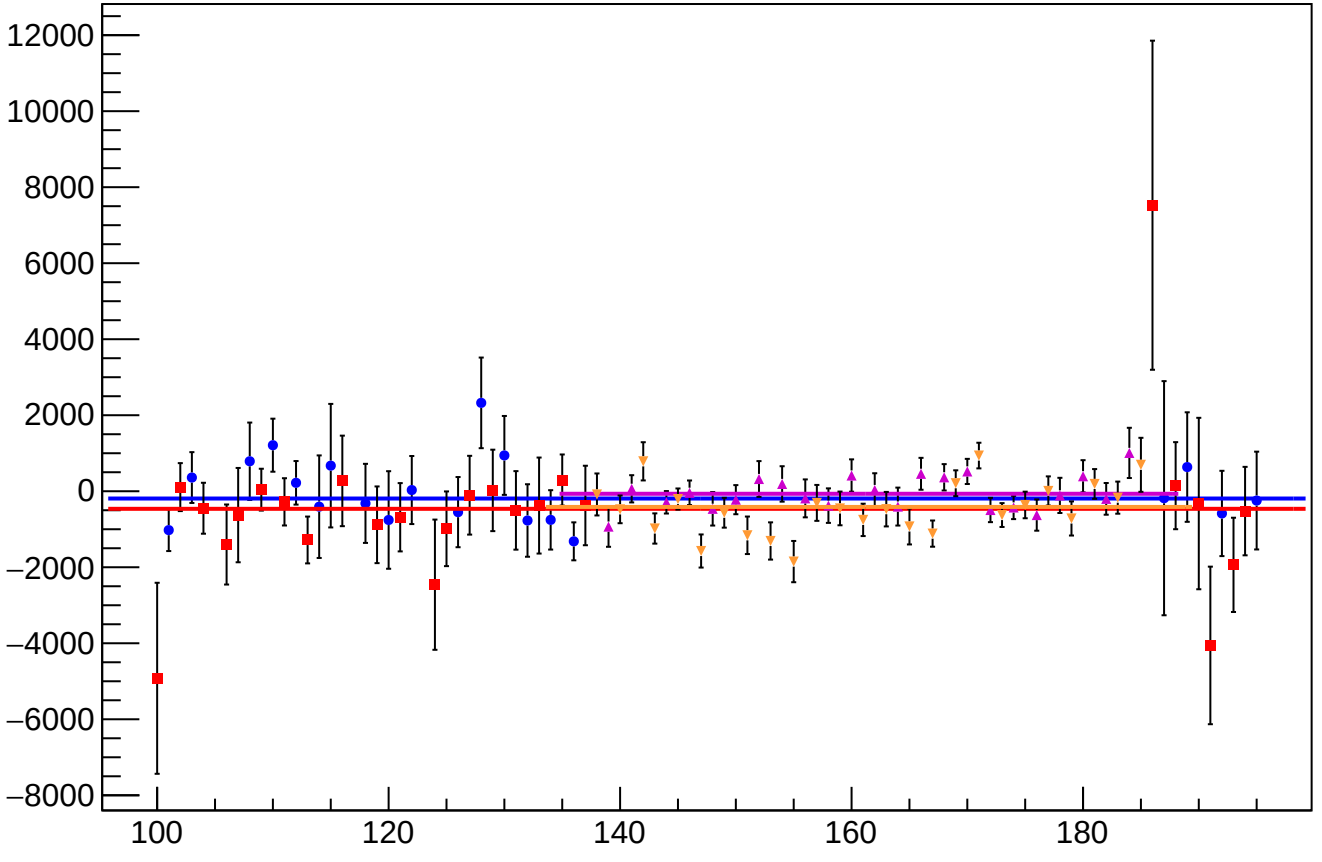
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 59.222+/-0.008 χ^2/NDF: 3739741.5/44

All: 59.733+/-0.006 χ^2/NDF: 8415106.1/92

- sign 60.268+/-0.008 χ^2/NDF: 4667248.4/47

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: -462.735+/-187.648 χ^2/NDF: 19.5/24

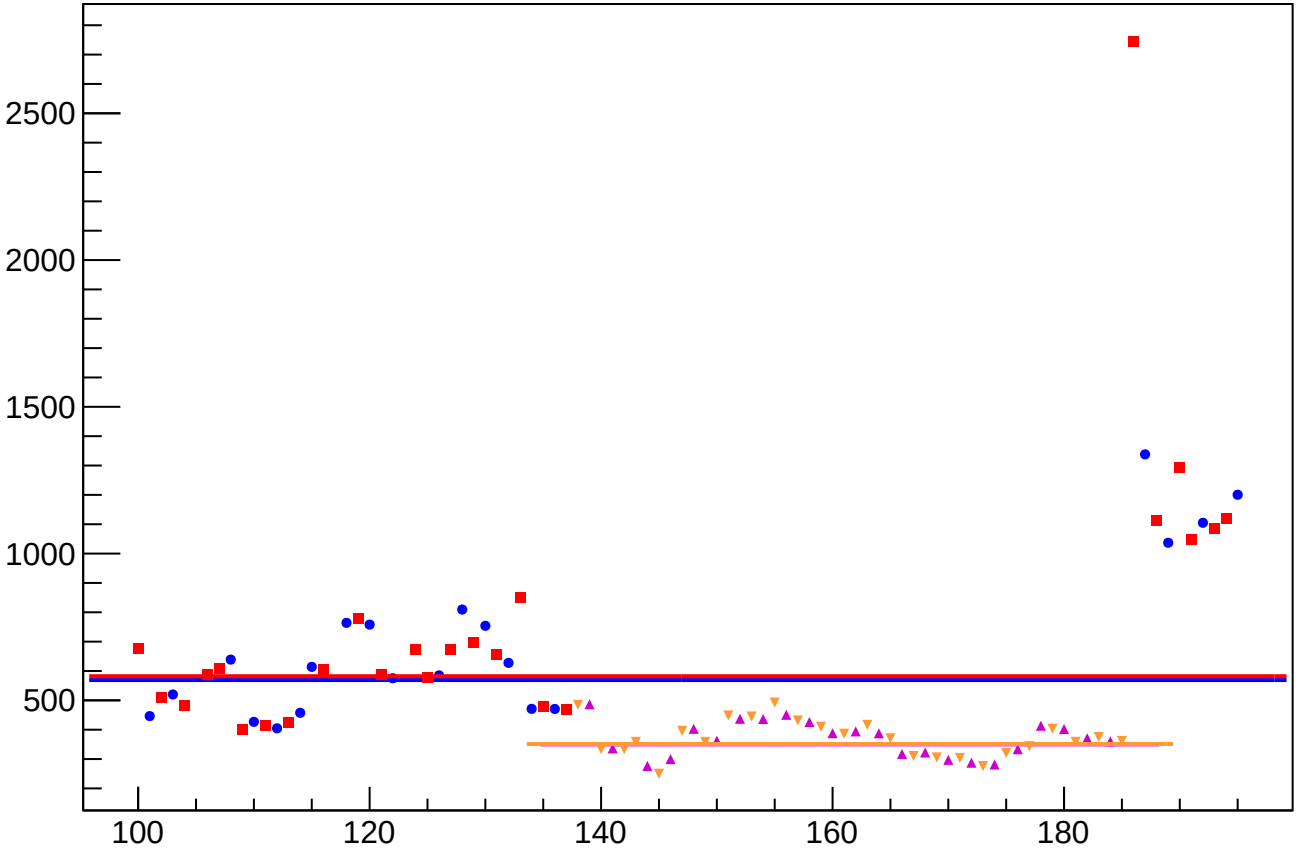
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.818+/-74.796 χ^2/NDF: 83.7/44

All: -257.619+/-53.299 χ^2/NDF: 135.2/92

- sign -131.558+/-75.969 χ^2/NDF: 46.1/47

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: 582.222+/-0.133 χ^2/NDF: 2843028.8/24

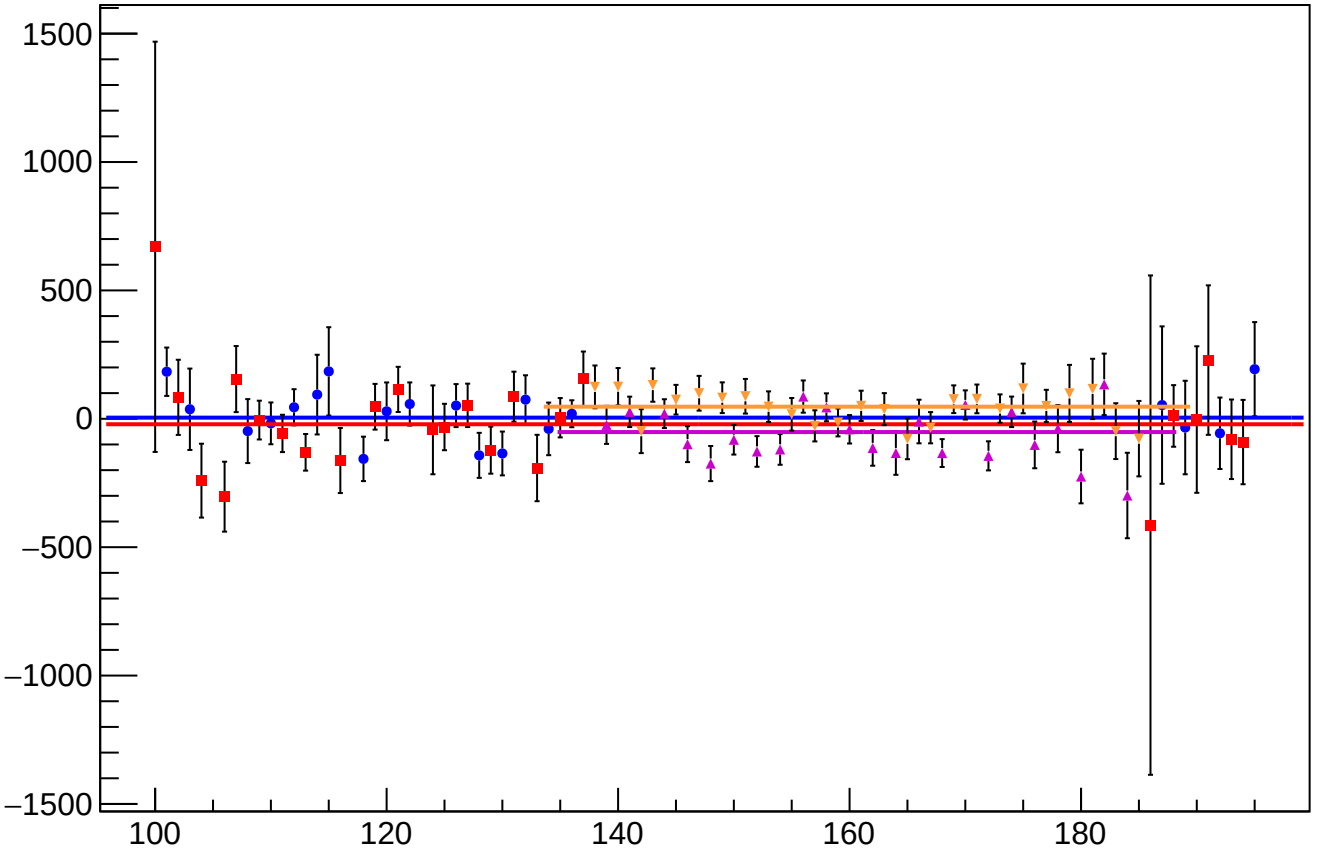
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 383.972+/-0.053 χ^2/NDF: 5314494.2/44

All: 385.908+/-0.038 χ^2/NDF: 11715717.1/92

- sign 387.905+/-0.054 χ^2/NDF: 6398501.4/47

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: -21.253+/-21.810 χ^2/NDF: 25.7/24

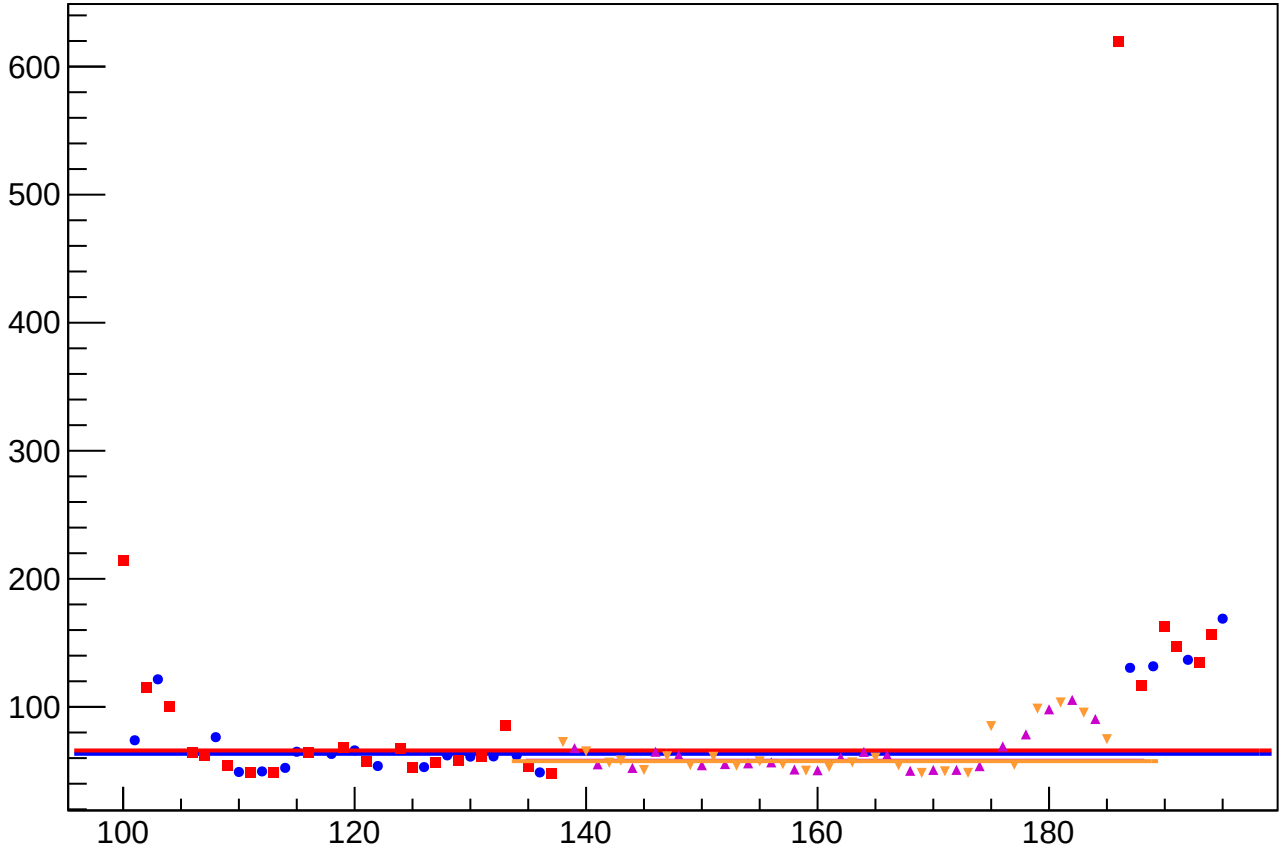
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.332+/-11.487 χ^2/NDF: 37.2/44

All: -2.896+/-8.211 χ^2/NDF: 125.2/92

- sign -42.840+/-11.742 χ^2/NDF: 65.3/47

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

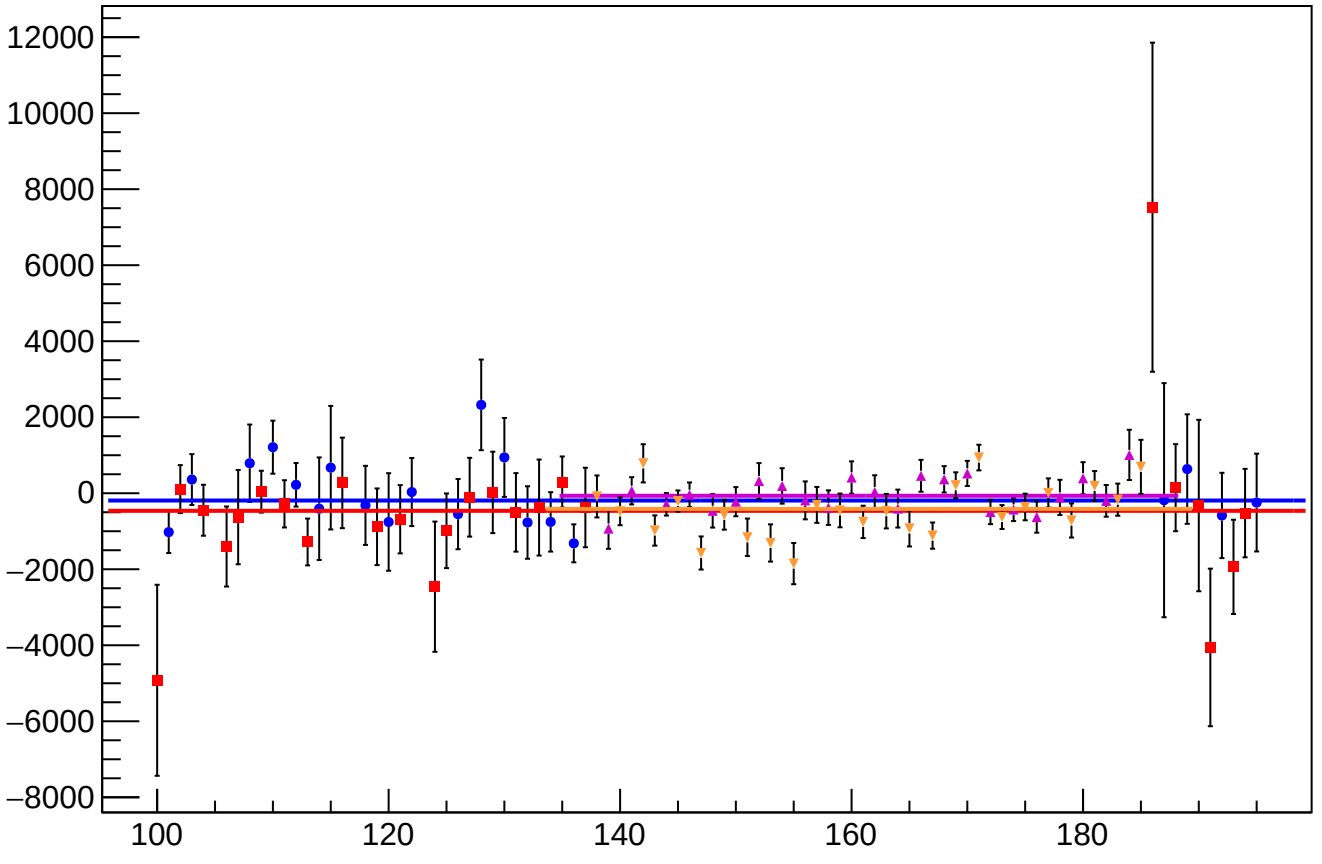
Right Out: 65.972+/-0.015 χ^2/NDF: 3350093.3/24

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 59.222+/-0.008 χ^2/NDF: 3739729.7/44

All: 59.734+/-0.006 χ^2/NDF: 8415080.0/92

- sign 60.268+/-0.008 χ^2/NDF: 4667233.8/47



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: -462.735+/-187.647 χ^2/NDF: 19.5/24

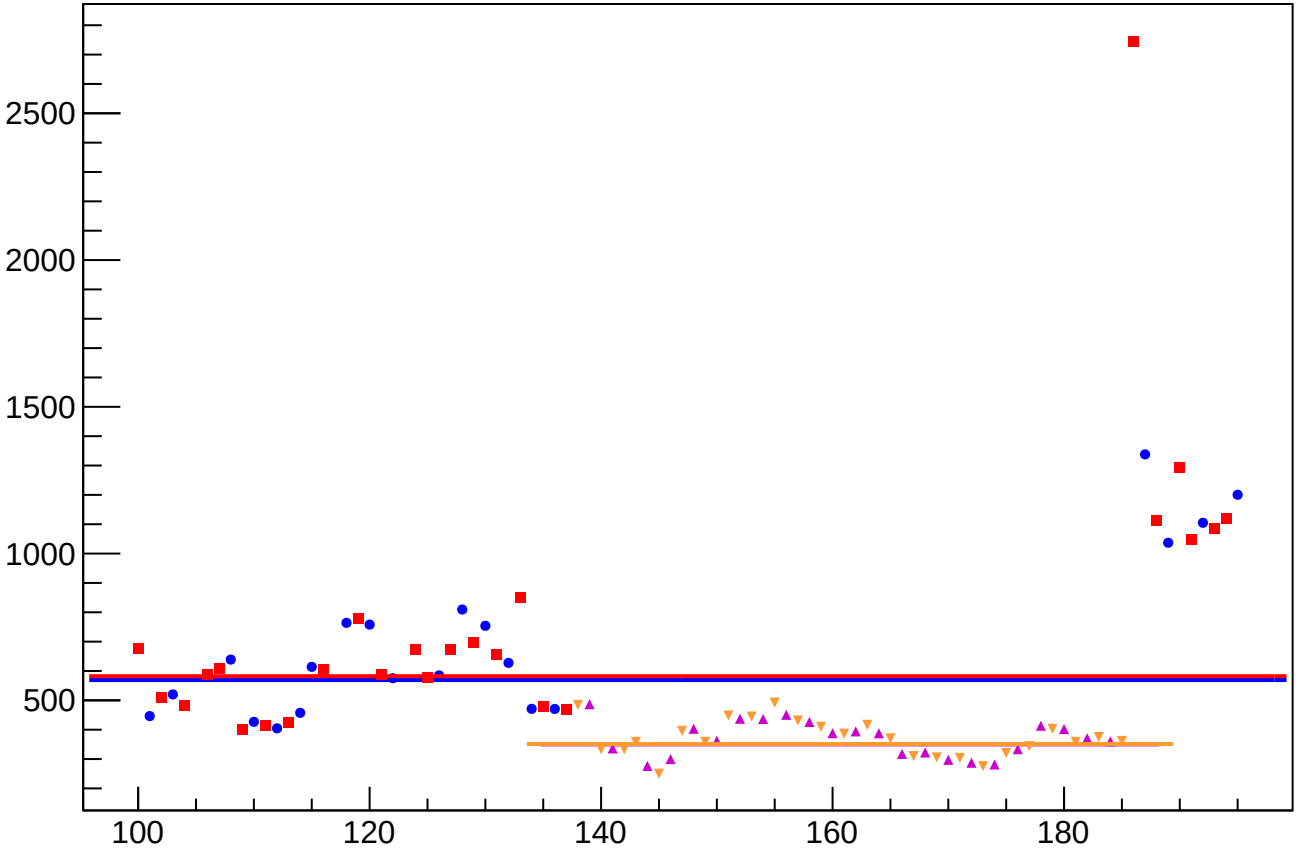
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.818+/-74.796 χ^2/NDF: 83.7/44

All: -257.618+/-53.299 χ^2/NDF: 135.2/92

- sign -131.558+/-75.969 χ^2/NDF: 46.1/47

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



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: 582.220+/-0.133 χ^2/NDF: 2843031.0/24

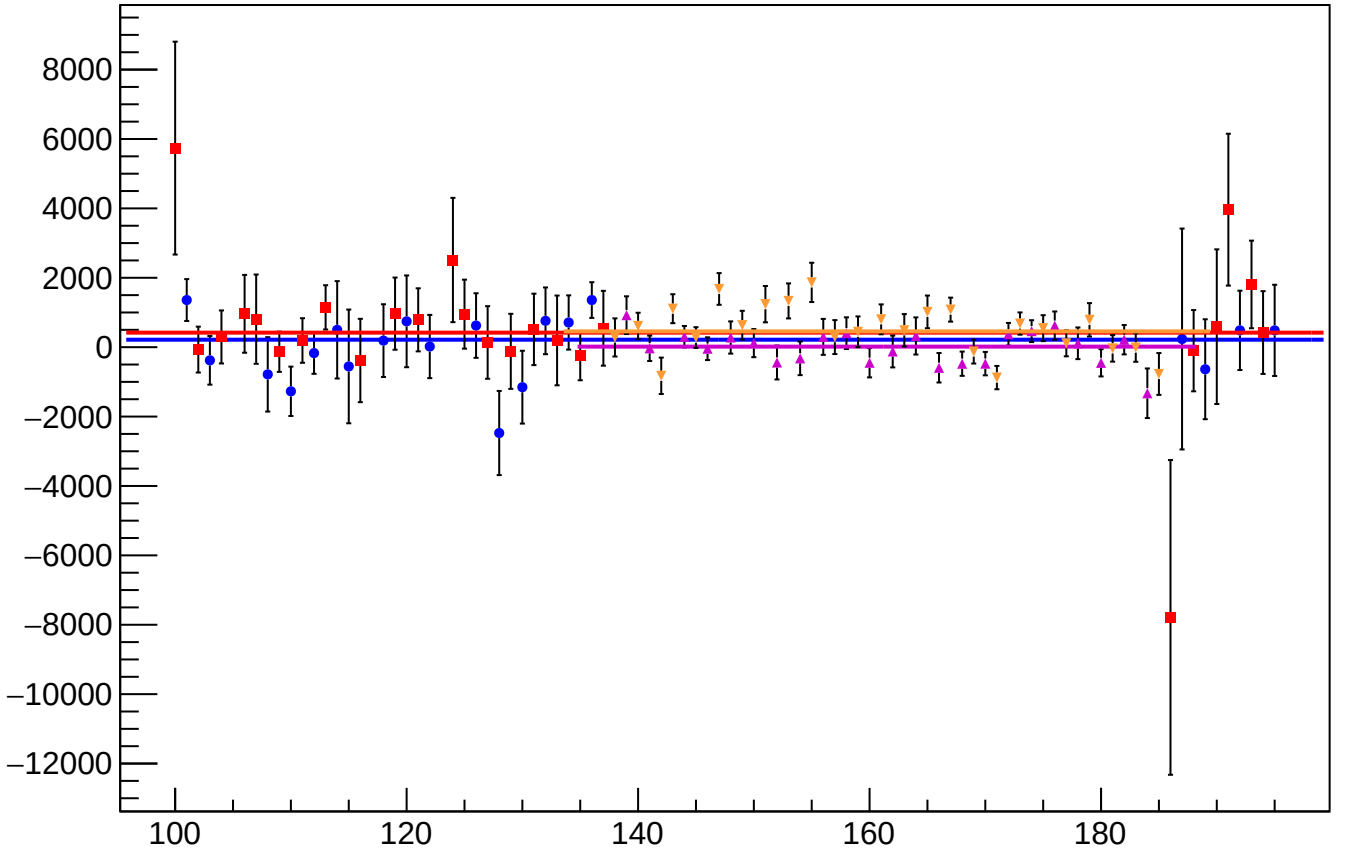
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 383.972+/-0.053 χ^2/NDF: 5314486.8/44

All: 385.908+/-0.038 χ^2/NDF: 11715692.9/92

- sign 387.905+/-0.054 χ^2/NDF: 6398484.4/47

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: 418.642+/-195.444 χ^2/NDF: 17.3/24

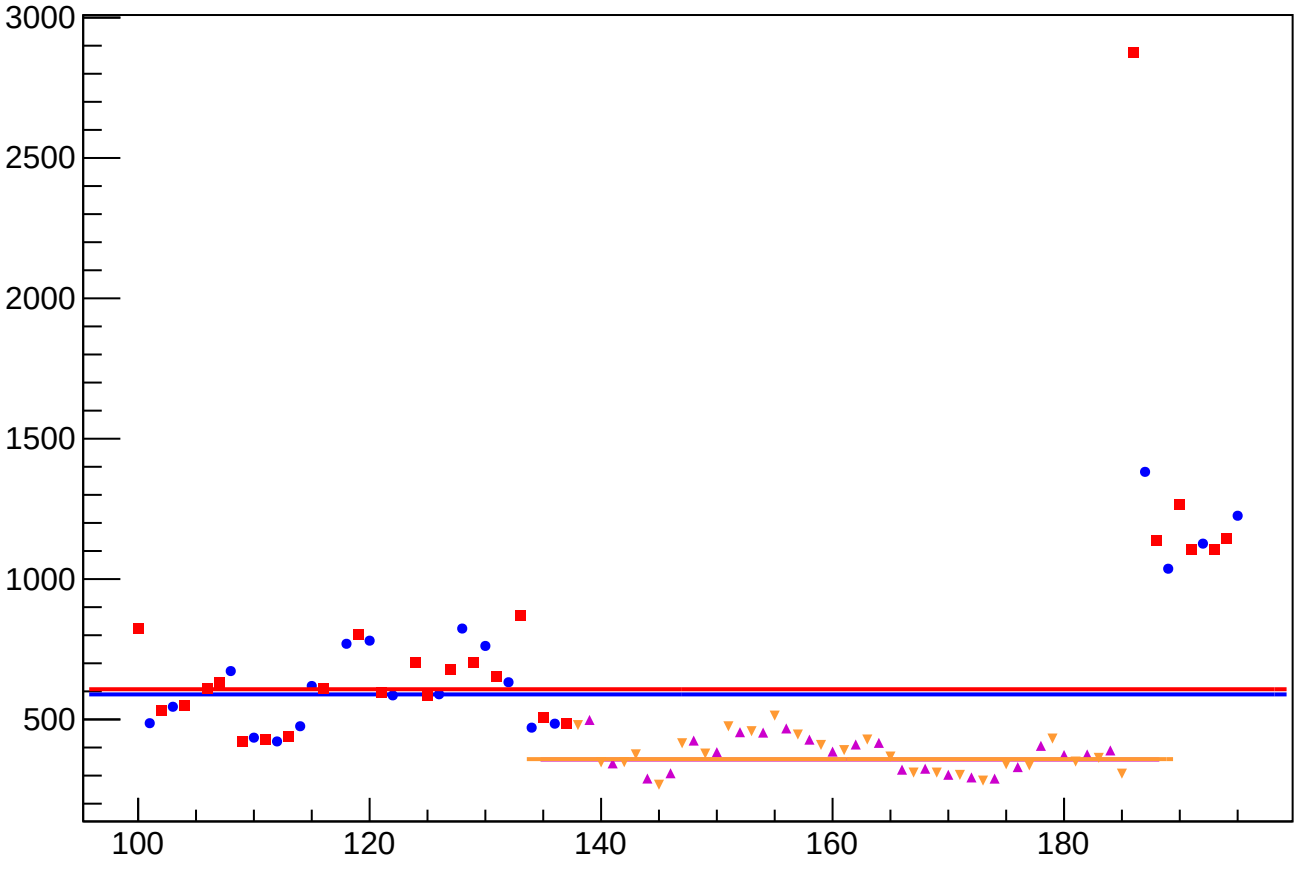
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.888+/-76.596 χ^2/NDF: 85.4/44

All: 252.578+/-54.588 χ^2/NDF: 140.9/92

- sign 79.890+/-77.817 χ^2/NDF: 45.8/47

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

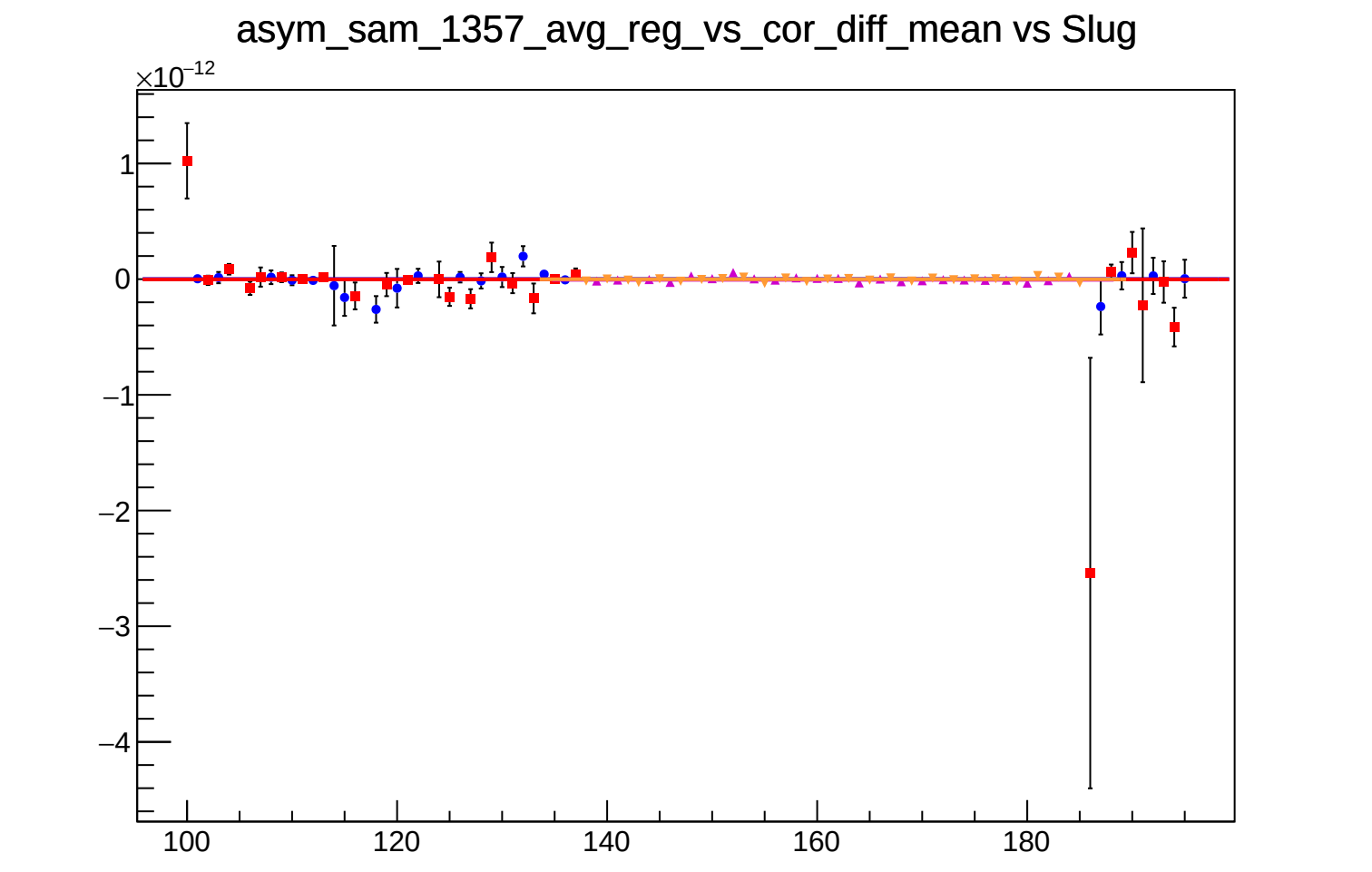
Right Out: 607.646+/-0.138 χ^2/NDF: 2707147.3/24

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

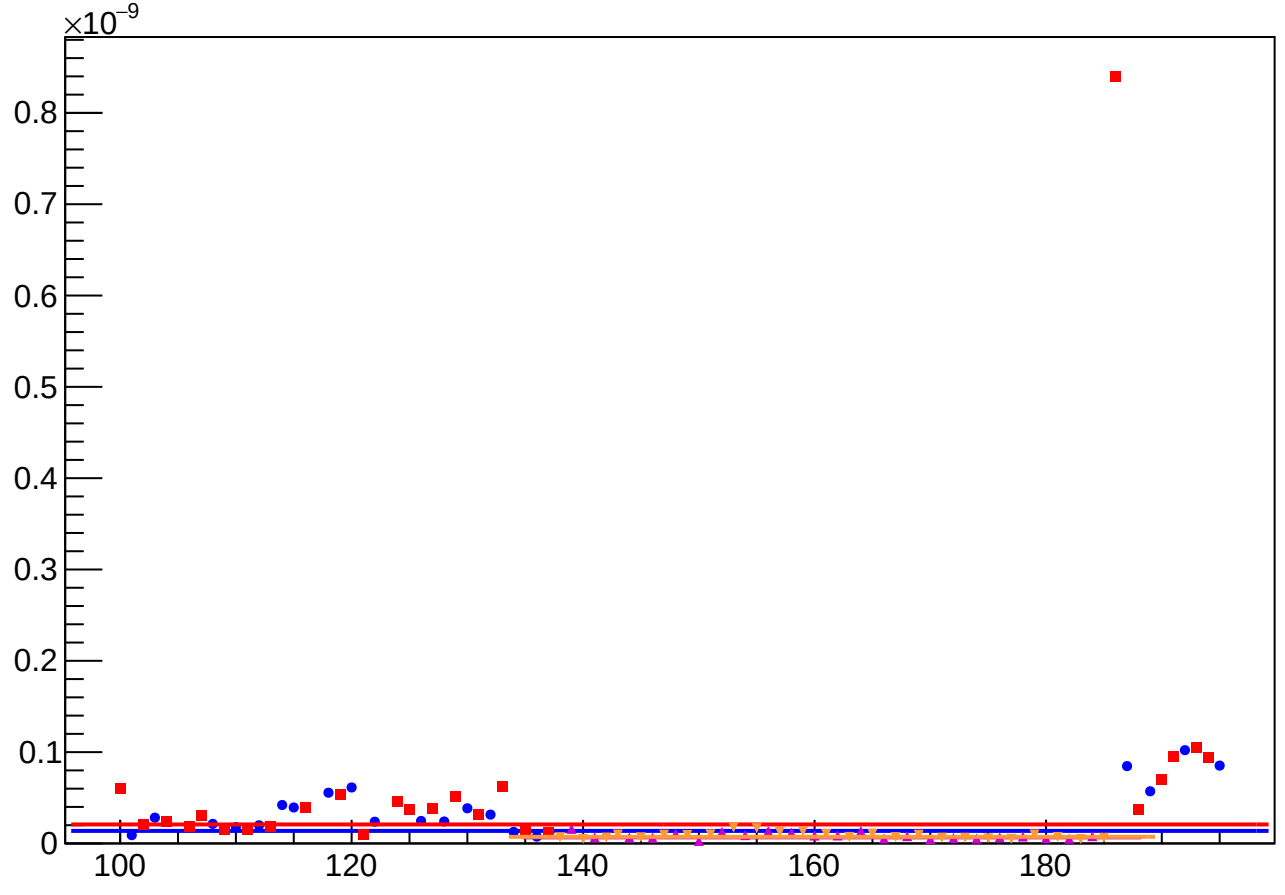
+ sign 392.693+/-0.054 χ^2/NDF: 5330054.7/44

All: 394.757+/-0.039 χ^2/NDF: 11785644.3/92

- sign 396.887+/-0.055 χ^2/NDF: 6452639.1/47


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 14.7/19
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.7/24
Left In: -0.000+/-0.000 χ²/NDF:28.5/22
+ sign -0.000+/-0.000 χ²/NDF: 32.9/44
All: -0.000+/-0.000 χ²/NDF: 103.7/92
- sign -0.000+/-0.000 χ²/NDF: 69.3/47

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



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: 2905950.0/24

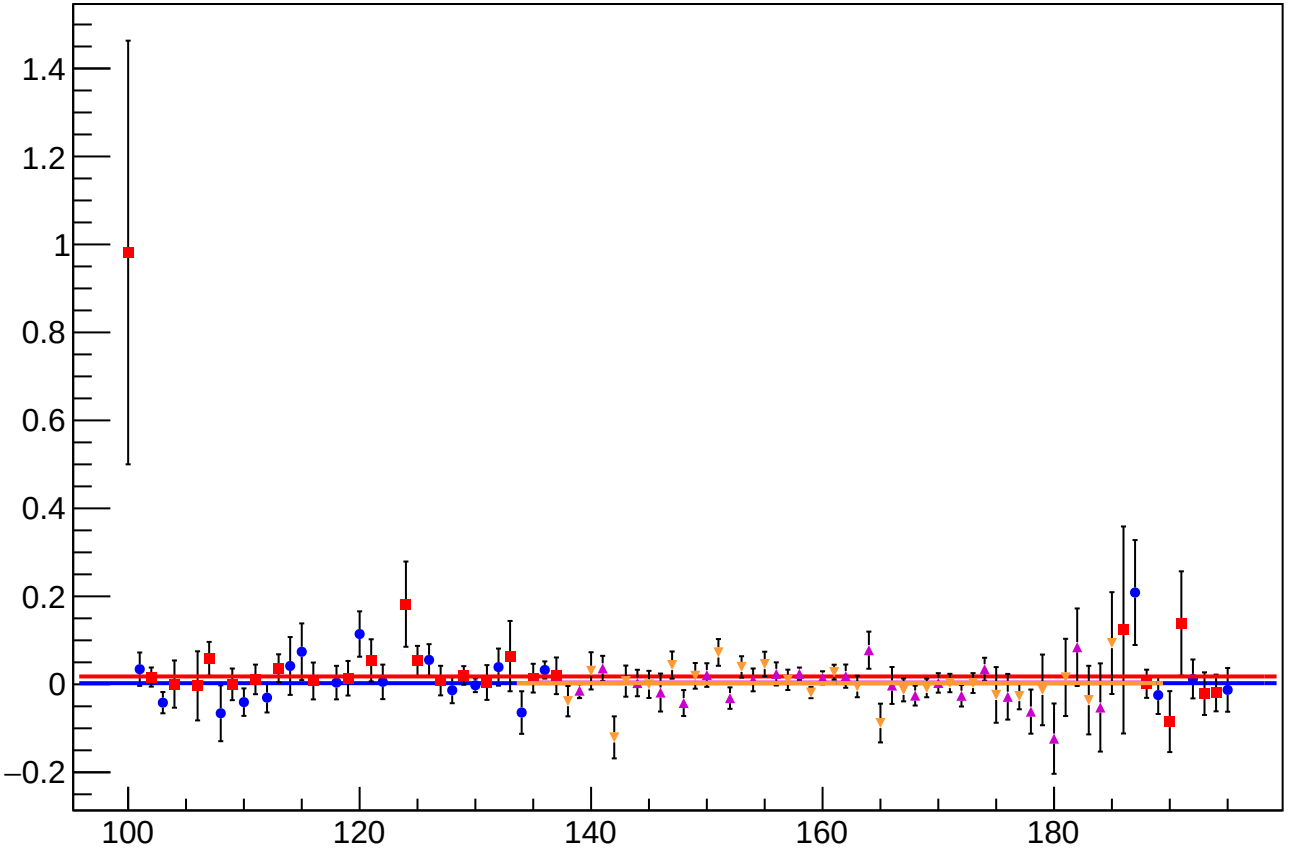
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5618938.7/44

All: 0.000+/-0.000 χ^2/NDF: 12990971.1/92

- sign 0.000+/-0.000 χ^2/NDF: 7347376.1/47

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



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: 0.018+/-0.008 χ^2/NDF: 16.2/24

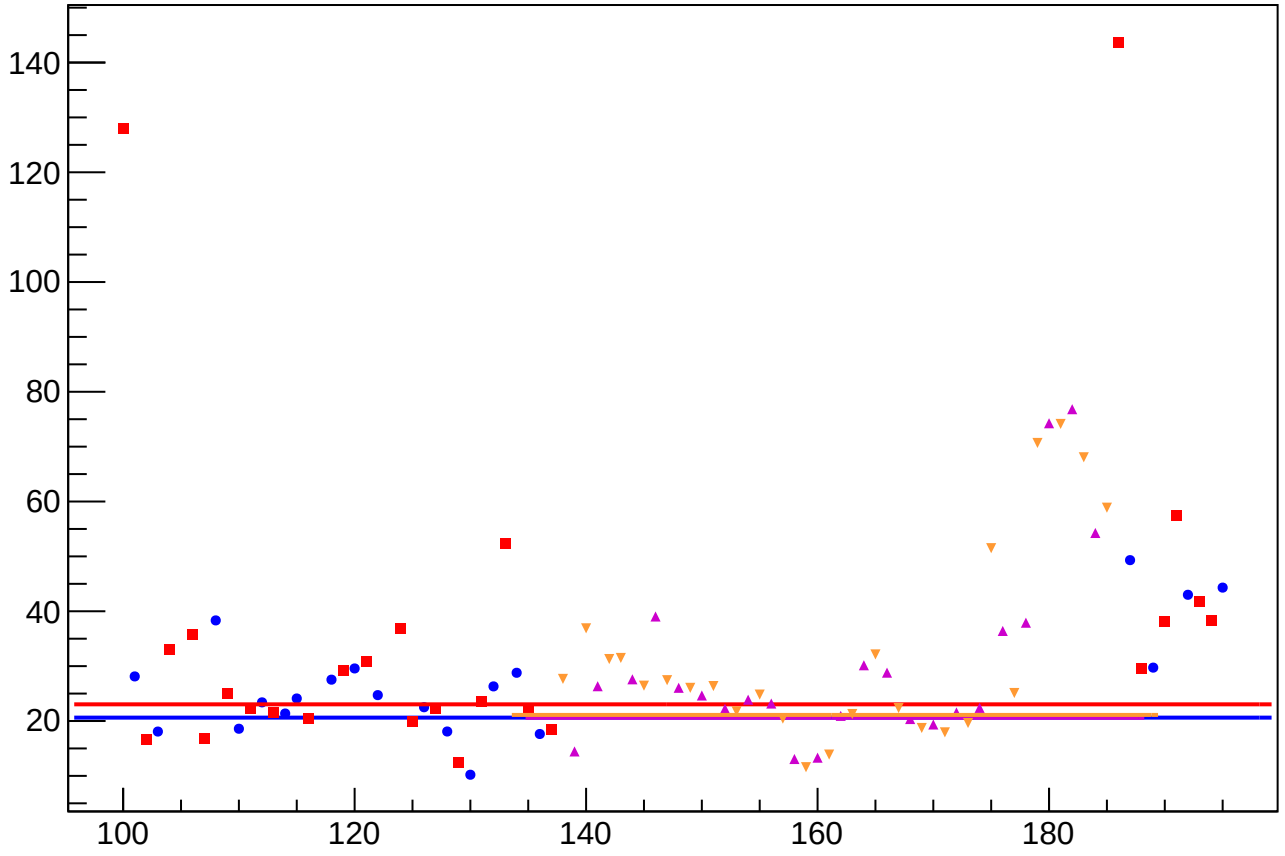
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.3/44

All: 0.006+/-0.003 χ^2/NDF: 102.1/92

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47

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

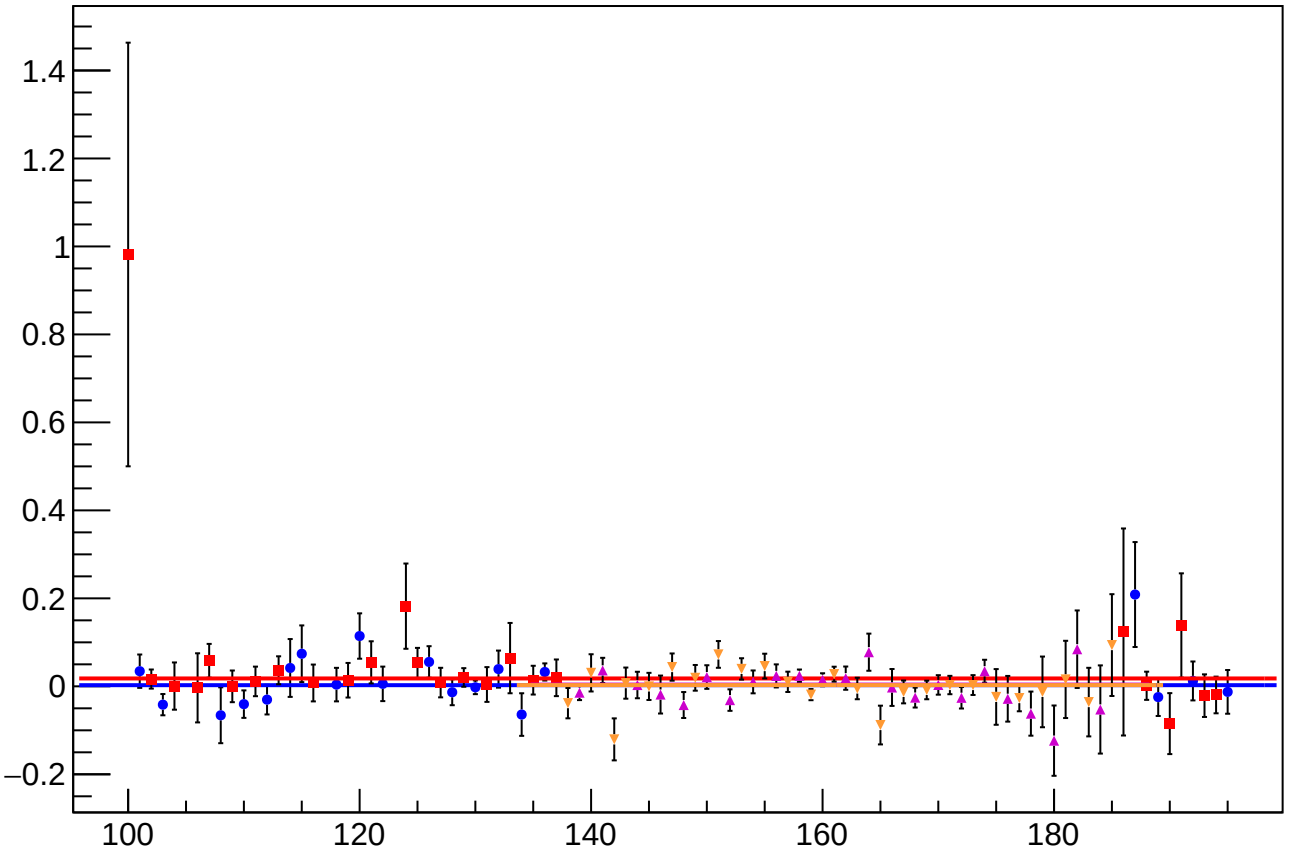
Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.937+/-0.003 χ^2/NDF: 8210778.6/44

All: 21.158+/-0.002 χ^2/NDF: 15825373.0/92

- sign 21.386+/-0.003 χ^2/NDF: 7604355.2/47



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

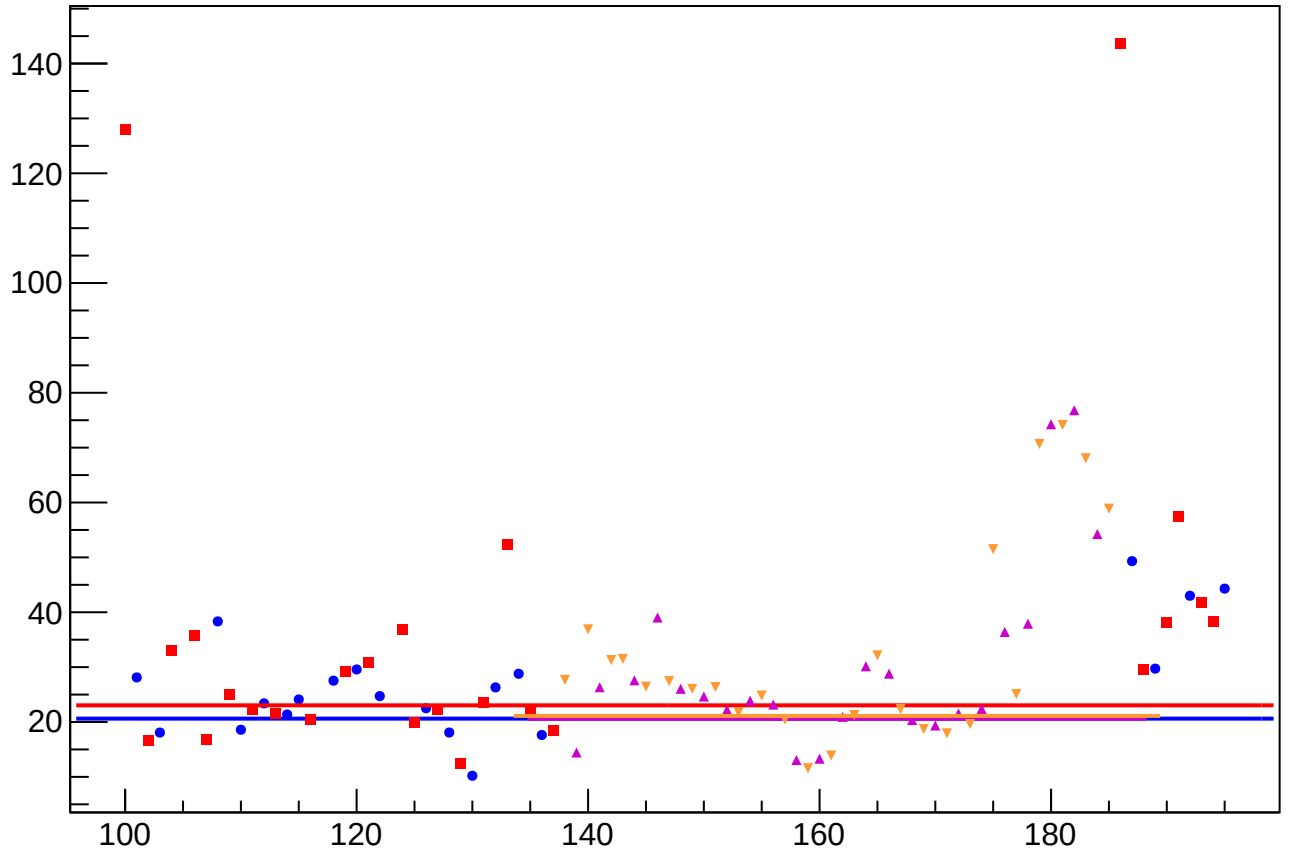
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

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: 102.1/92

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.616+/-0.005 χ^2/NDF: 2658579.0/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

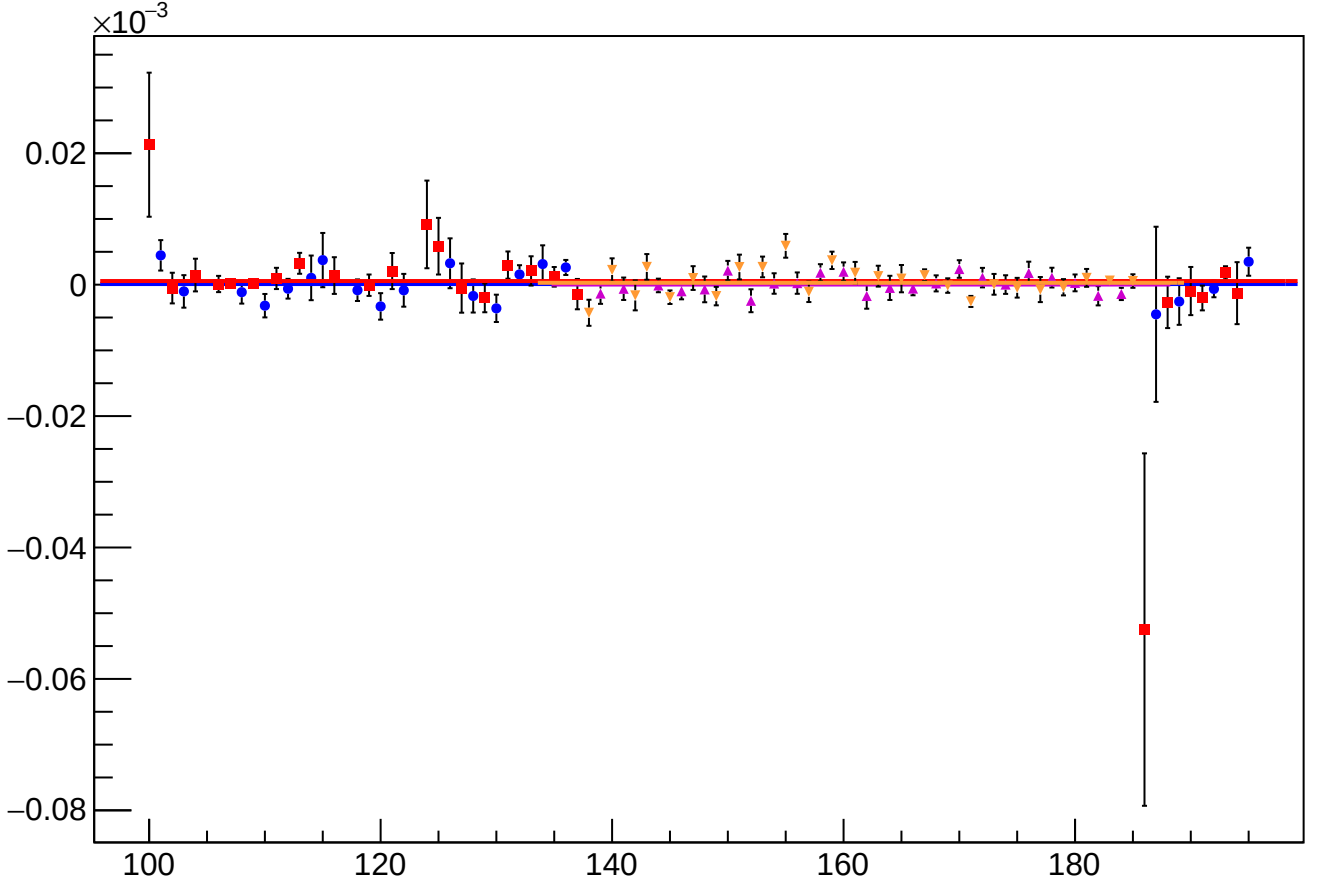
Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.937+/-0.003 χ^2/NDF: 8210778.6/44

All: 21.158+/-0.002 χ^2/NDF: 15825373.0/92

- sign 21.386+/-0.003 χ^2/NDF: 7604355.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

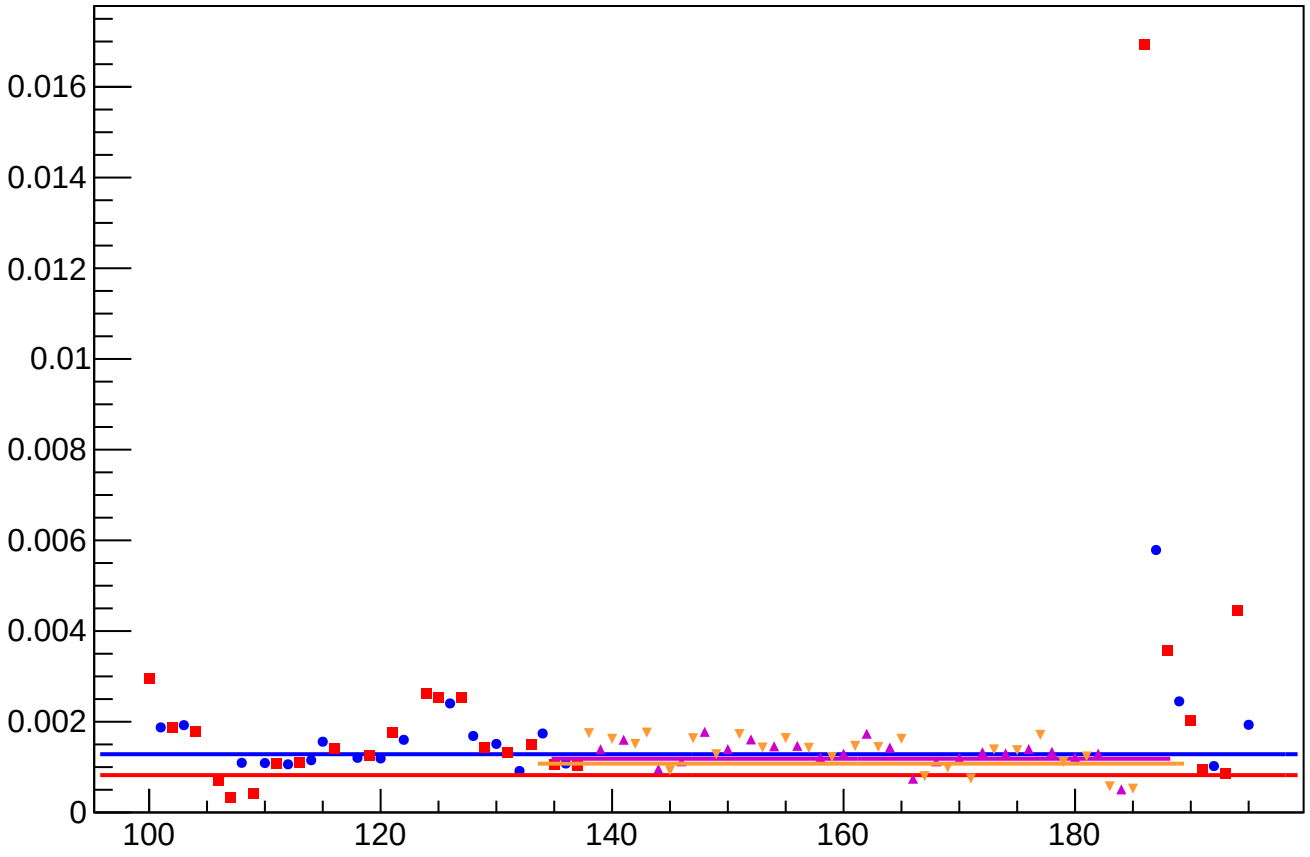
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/24

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: 125.2/92

- sign 0.000+/-0.000 χ^2/NDF: 45.4/47



Right In: 0.001+/-0.000 χ^2/NDF: 1626533.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

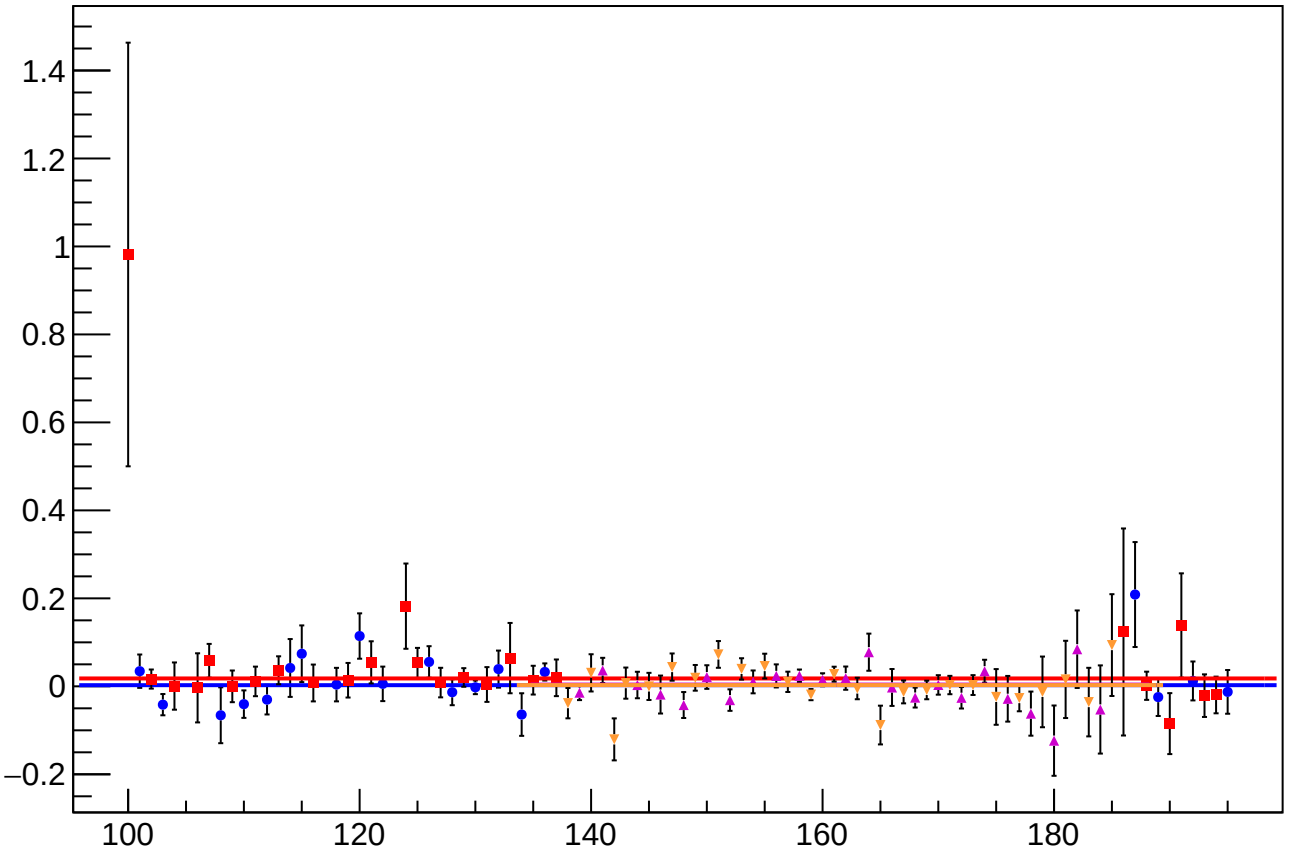
Right Out: 0.001+/-0.000 χ^2/NDF: 7870578.8/24

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6499710.4/44

All: 0.001+/-0.000 χ^2/NDF: 18532728.8/92

- sign 0.001+/-0.000 χ^2/NDF: 11768859.5/47



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

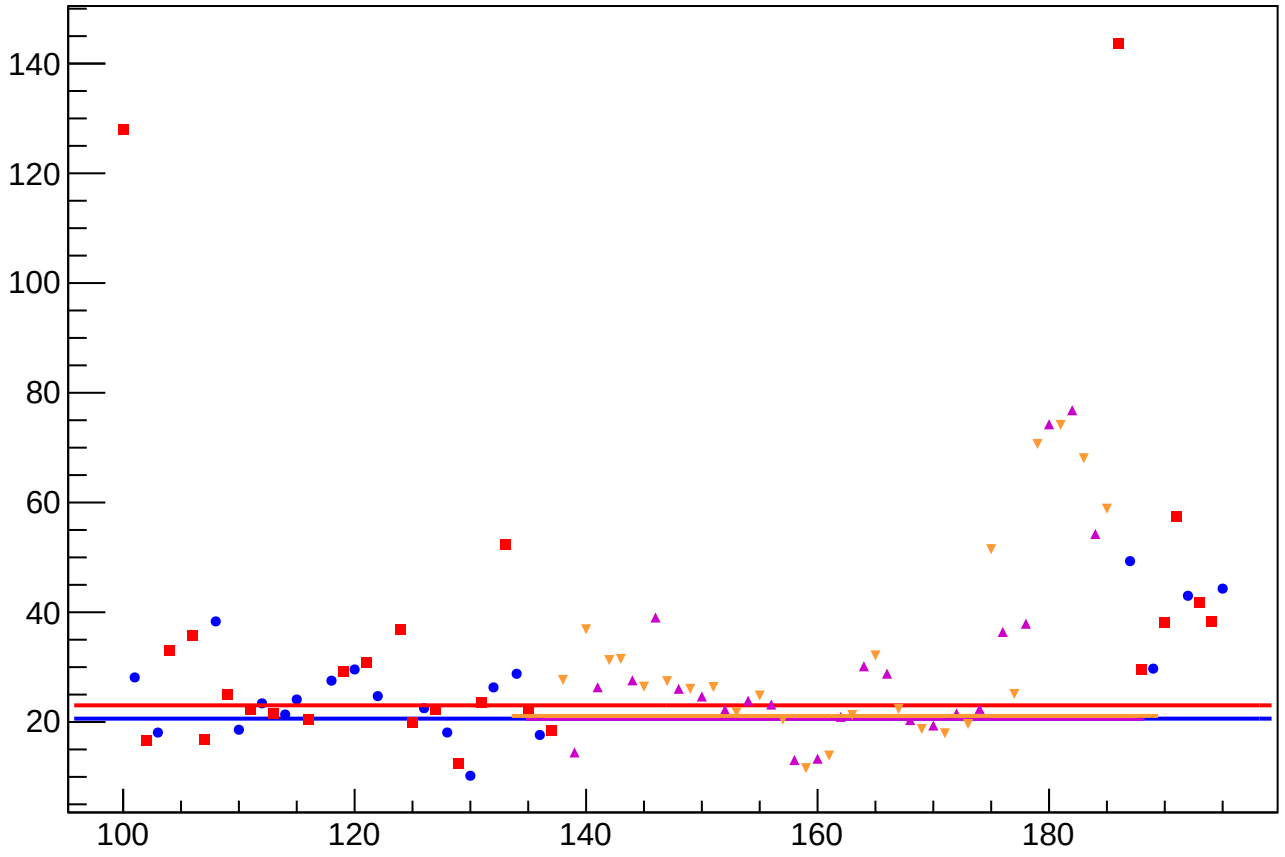
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

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: 102.1/92

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

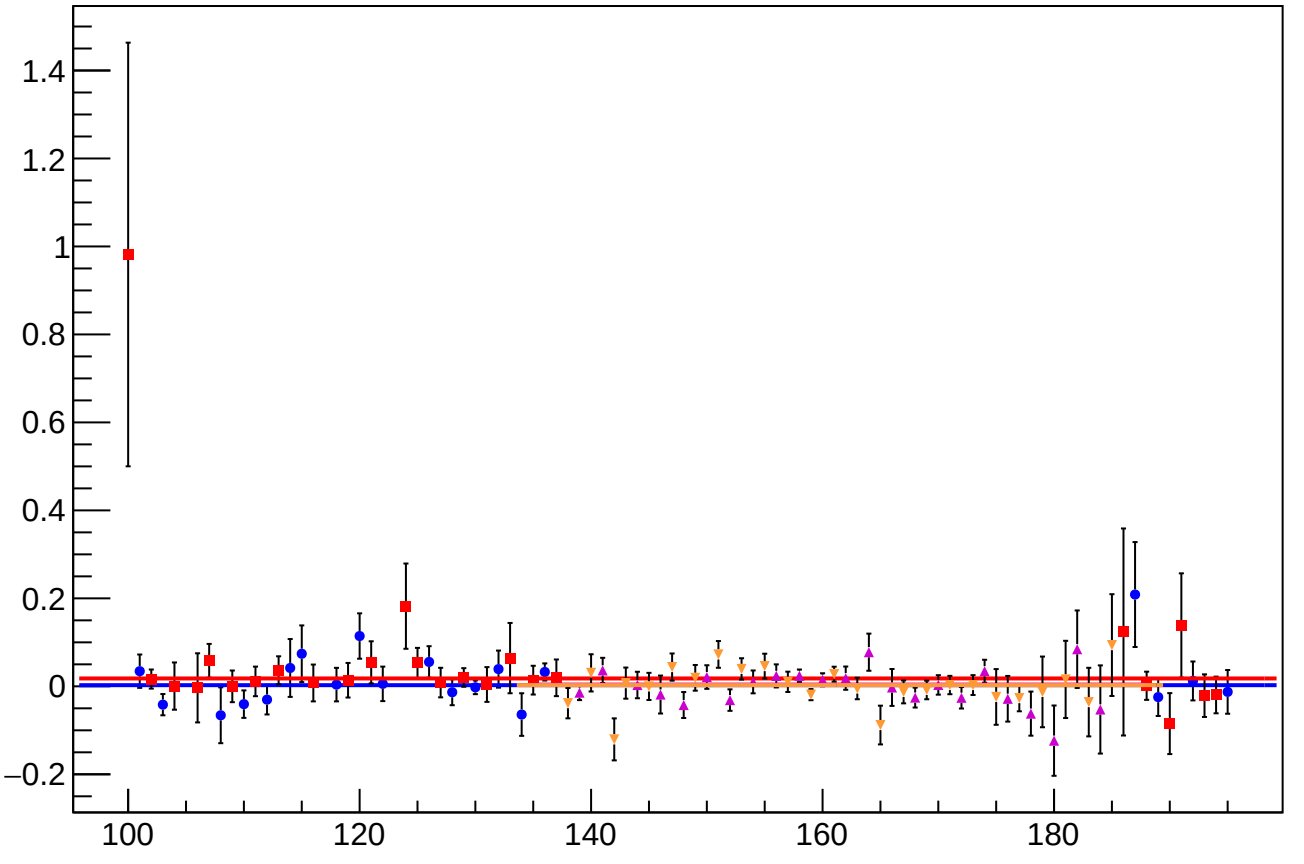
Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.938+/-0.003 χ^2/NDF: 8210742.1/44

All: 21.159+/-0.002 χ^2/NDF: 15825333.5/92

- sign 21.386+/-0.003 χ^2/NDF: 7604350.4/47



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

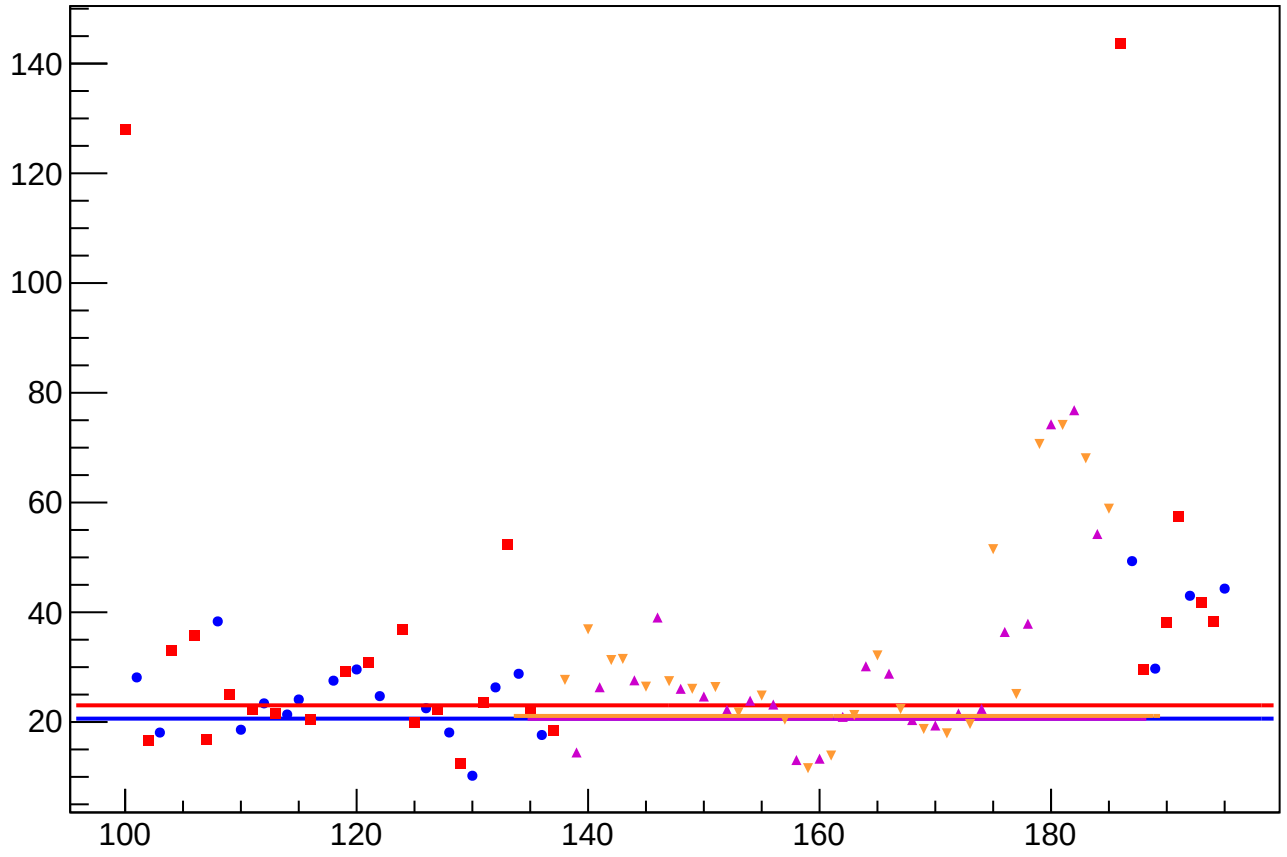
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

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: 102.1/92

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

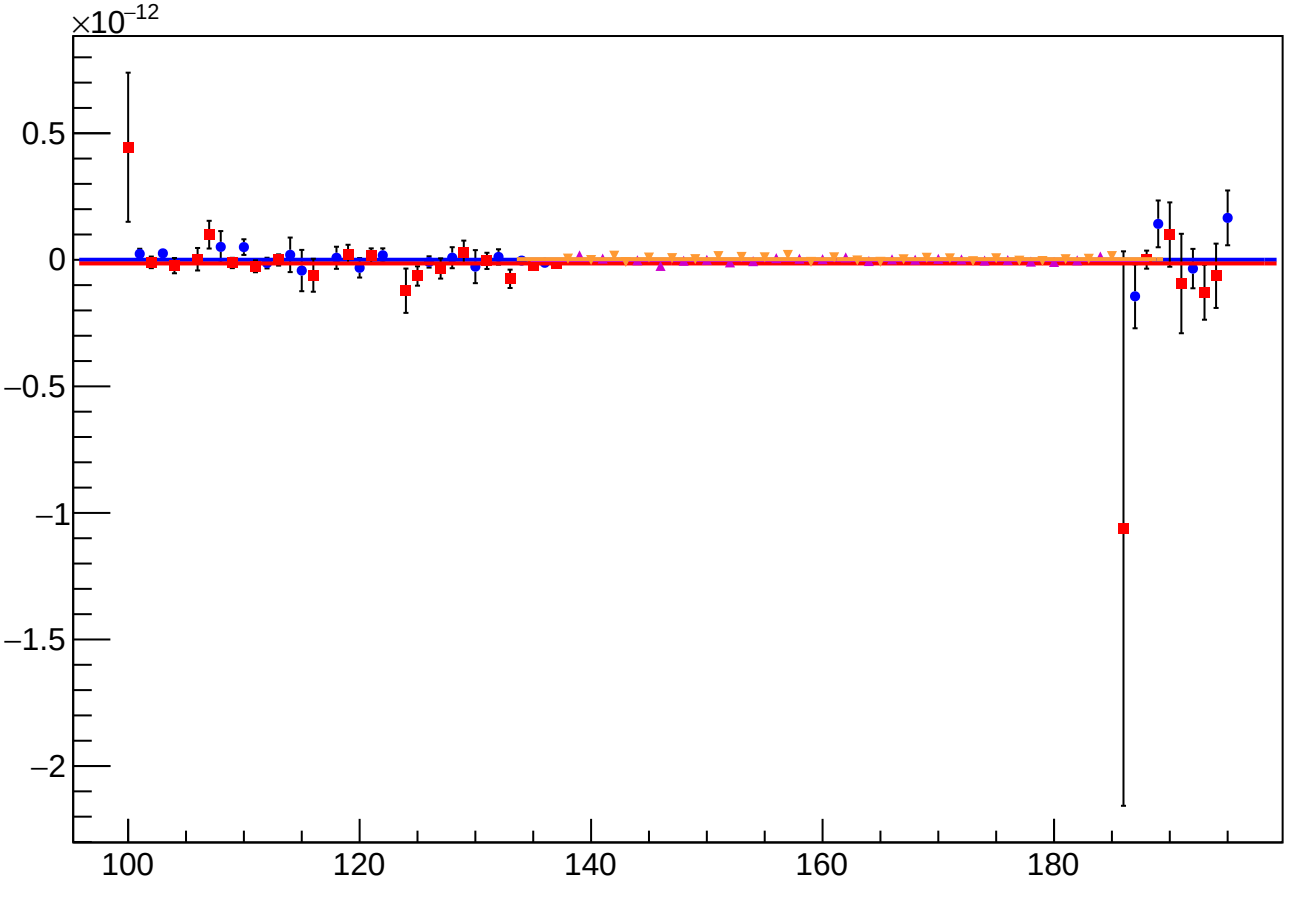
Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.938+/-0.003 χ^2/NDF: 8210742.1/44

All: 21.159+/-0.002 χ^2/NDF: 15825333.5/92

- sign 21.386+/-0.003 χ^2/NDF: 7604350.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

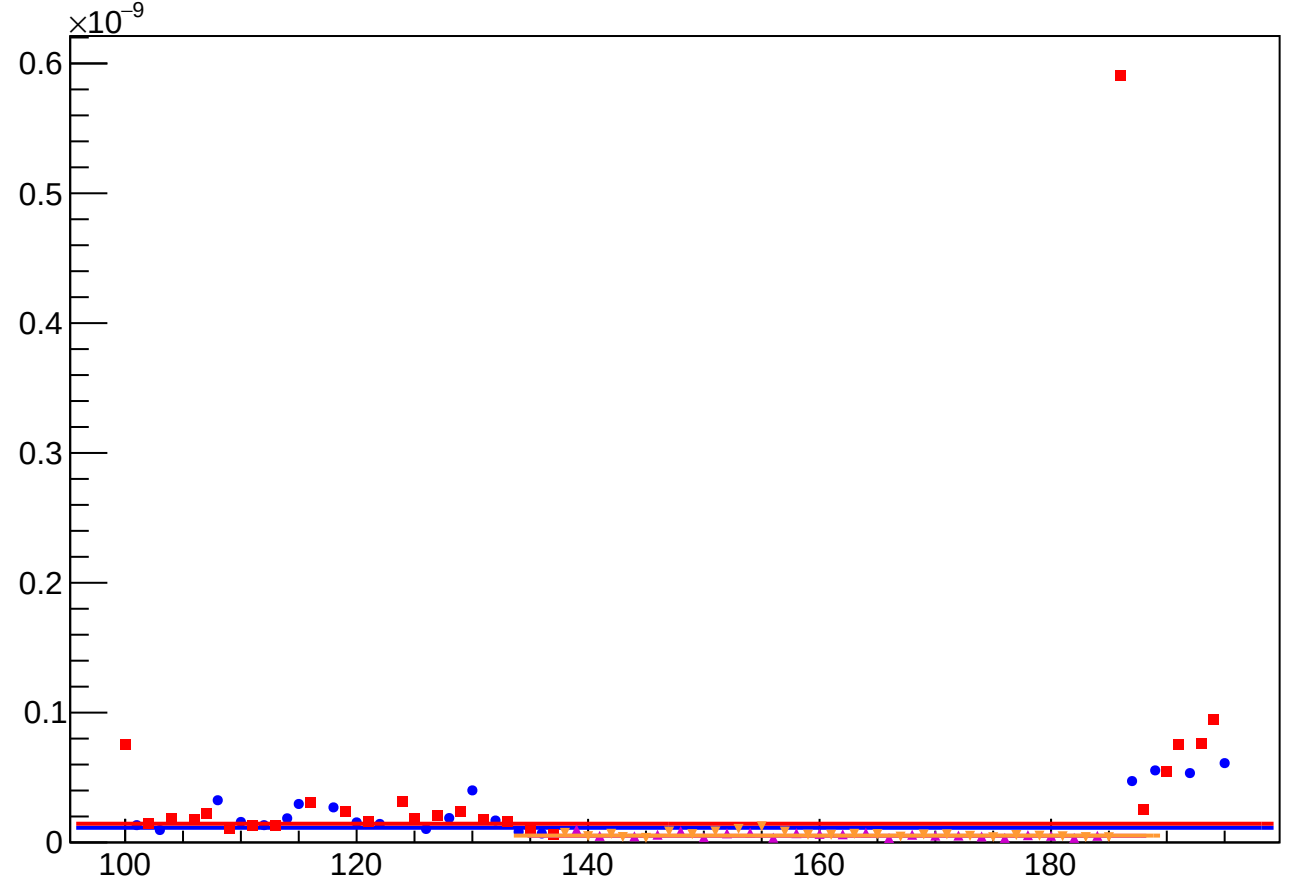
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/24

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: 87.7/92

- sign -0.000+/-0.000 χ^2/NDF: 46.6/47



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: 4020830.3/24

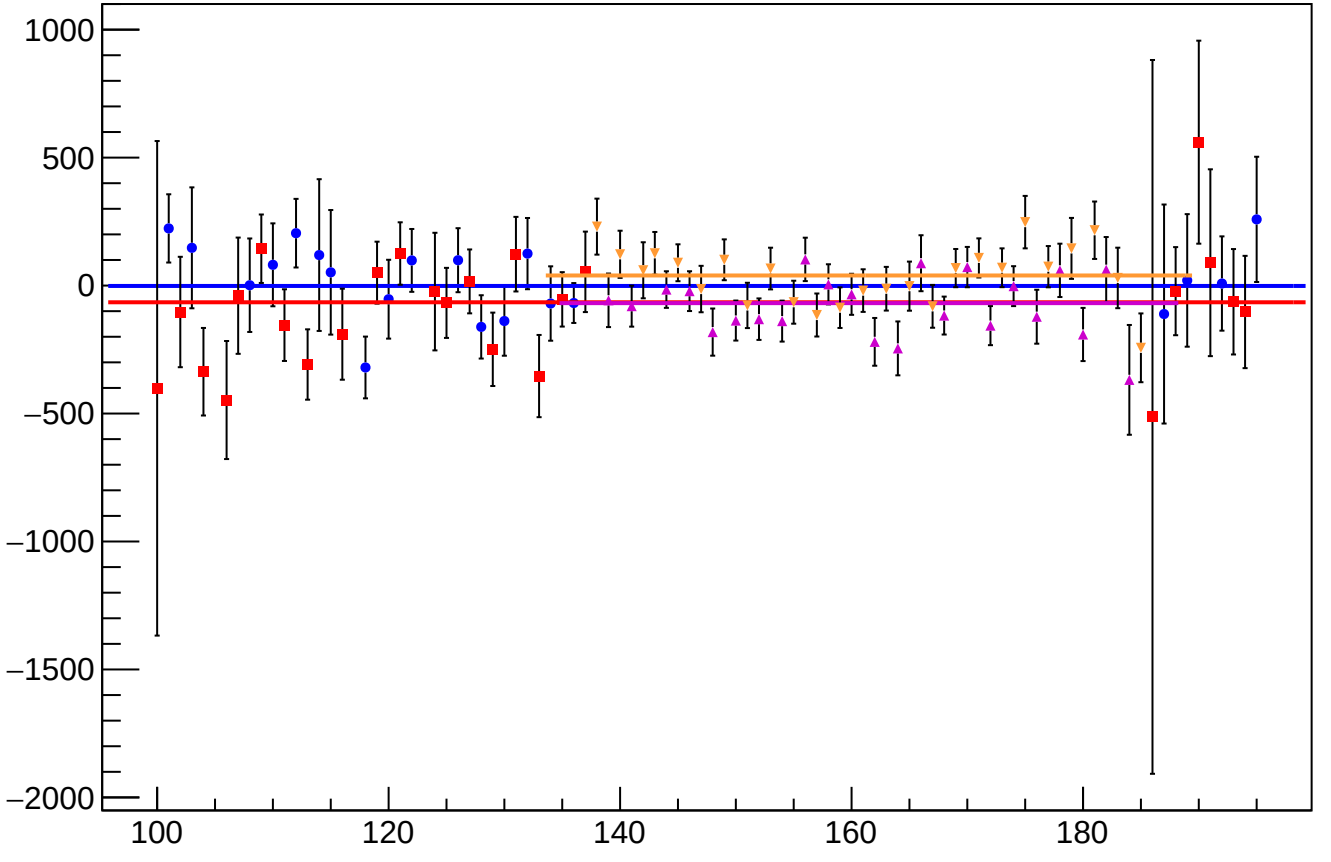
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7730233.9/44

All: 0.000+/-0.000 χ^2/NDF: 17489957.6/92

- sign 0.000+/-0.000 χ^2/NDF: 9755088.7/47

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: -65.271+/-33.072 χ^2/NDF: 25.7/24

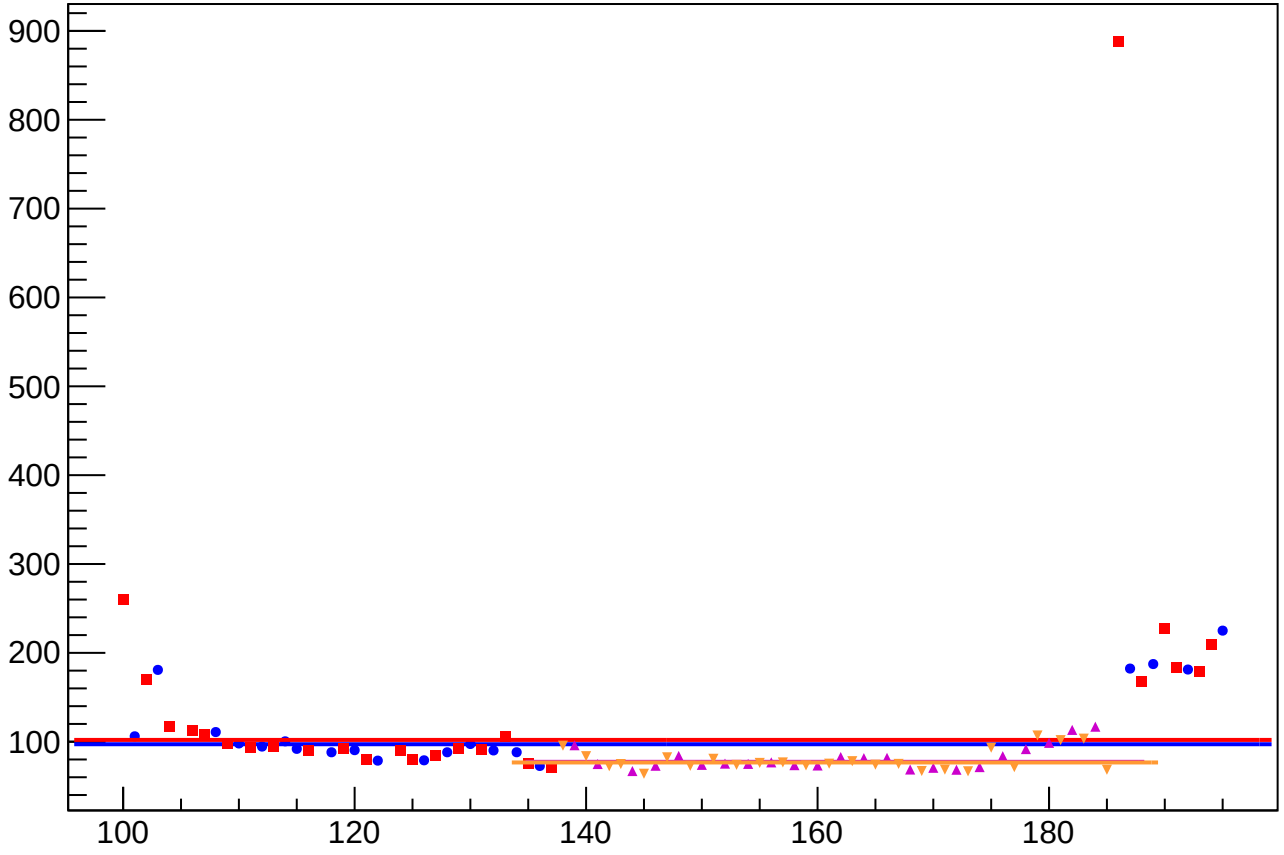
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.369+/-15.577 χ^2/NDF: 53.3/44

All: -17.344+/-11.169 χ^2/NDF: 127.3/92

- sign -67.834+/-16.024 χ^2/NDF: 54.7/47

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: 102.019+/-0.023 χ^2/NDF: 2695169.6/24

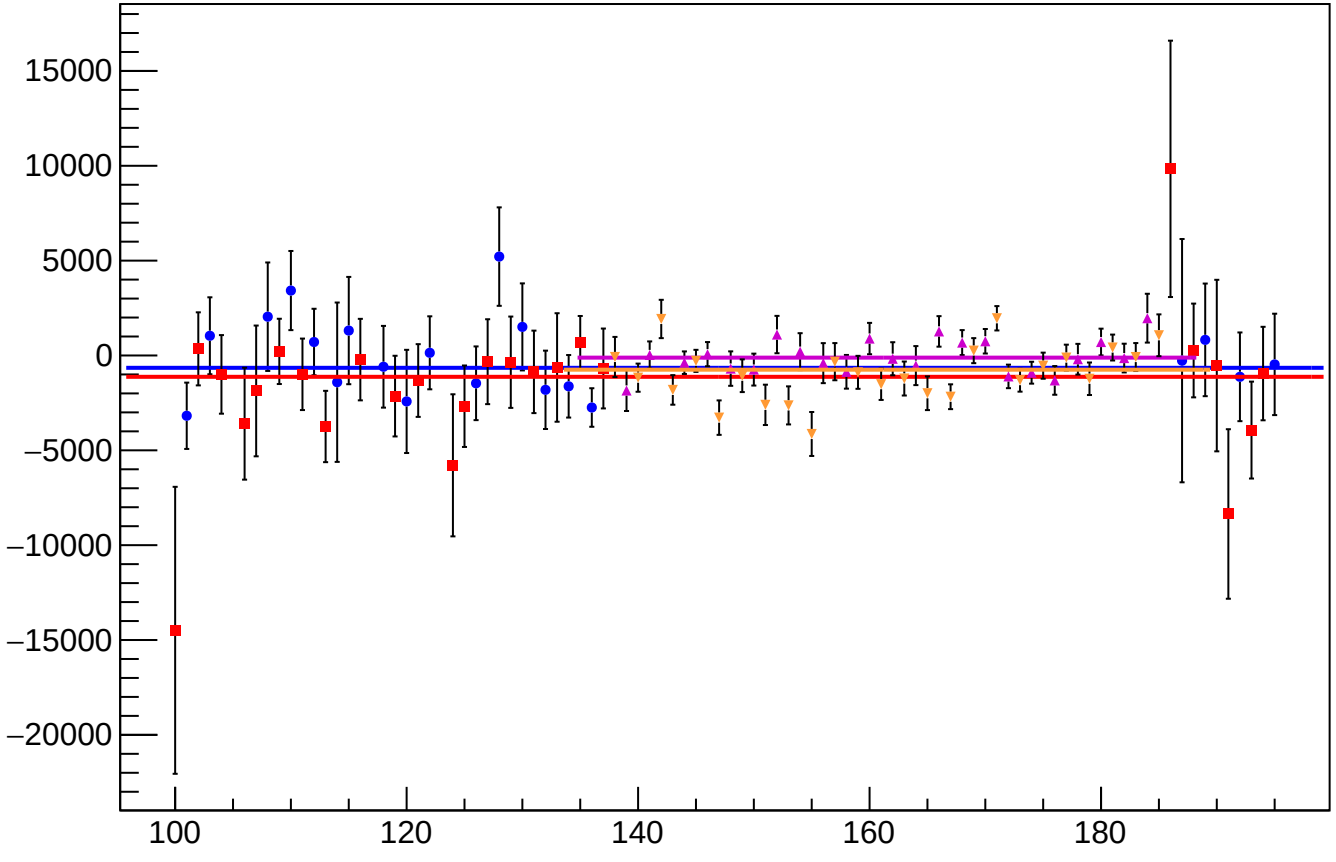
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.211+/-0.011 χ^2/NDF: 3134665.9/44

All: 82.148+/-0.008 χ^2/NDF: 7286813.0/92

- sign 83.140+/-0.011 χ^2/NDF: 4137244.5/47

asym_sam_2468_avg_reg_correction_mean vs Slug



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: -1124.752+/-463.161 χ^2/NDF: 18.3/24

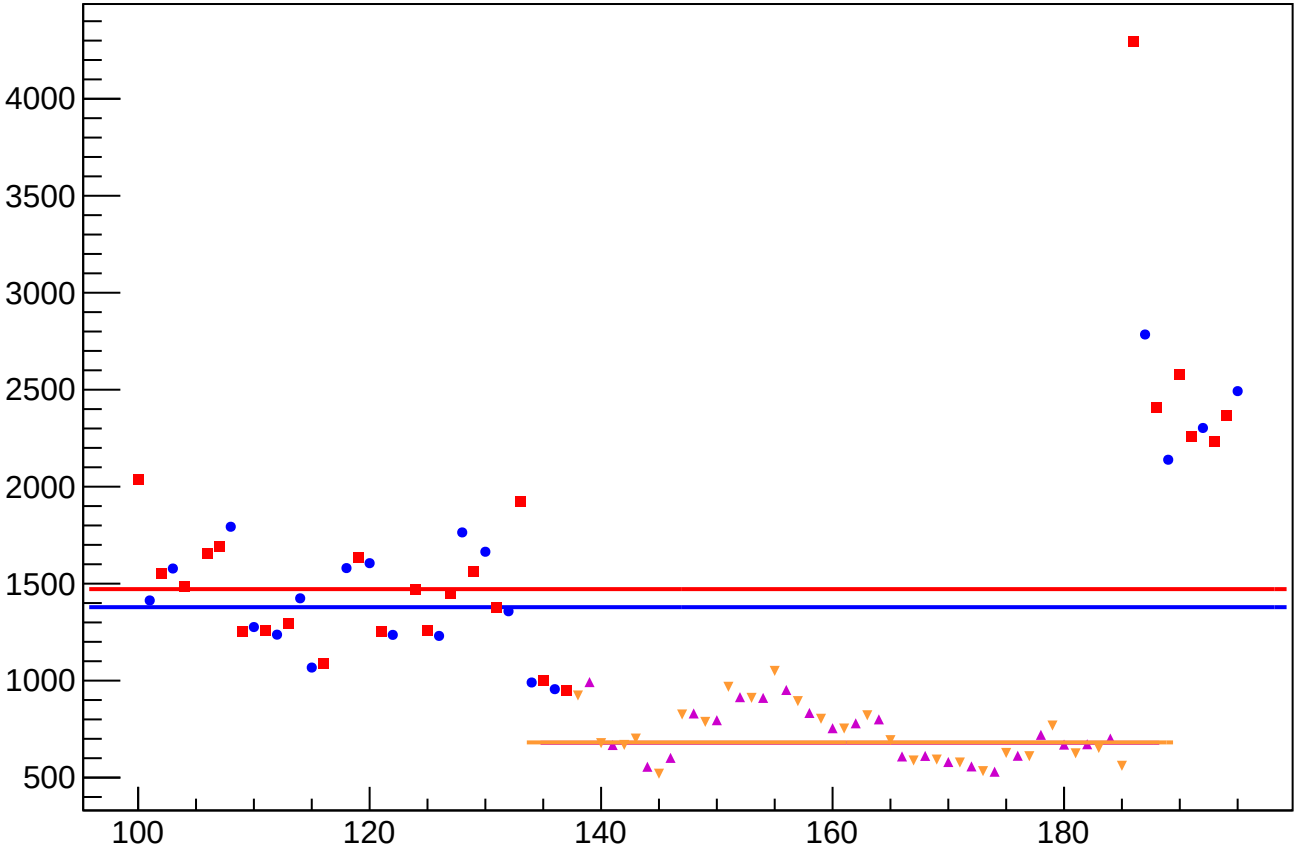
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -739.219+/-149.566 χ^2/NDF: 90.6/44

All: -486.930+/-106.869 χ^2/NDF: 144.0/92

- sign -223.766+/-152.755 χ^2/NDF: 47.6/47

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: 1471.810+/-0.328 χ^2/NDF: 1891968.0/24

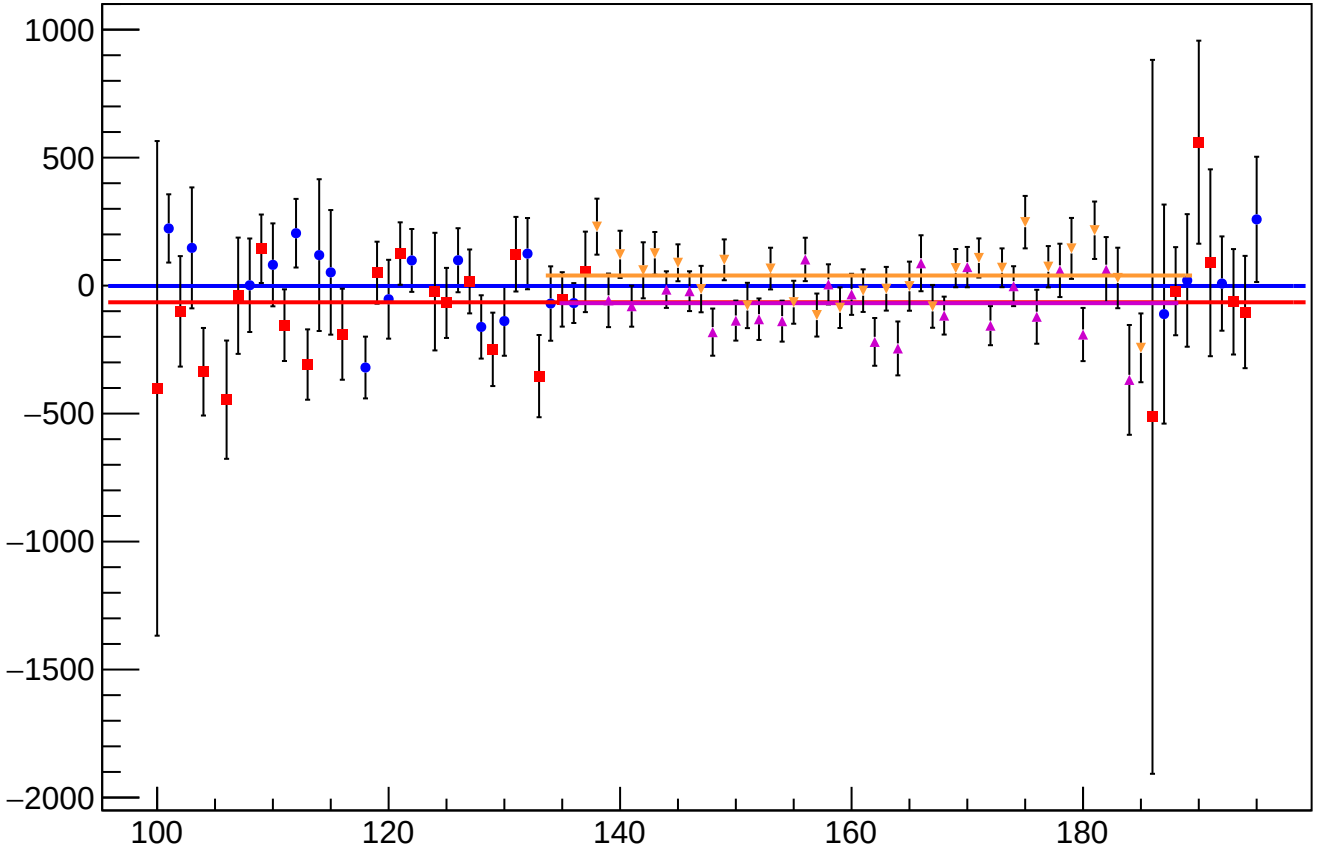
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 754.524+/-0.106 χ^2/NDF: 6992110.9/44

All: 759.949+/-0.076 χ^2/NDF: 15291936.4/92

- sign 765.606+/-0.108 χ^2/NDF: 8294451.2/47

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: -65.141+/-33.074 χ^2/NDF: 25.7/24

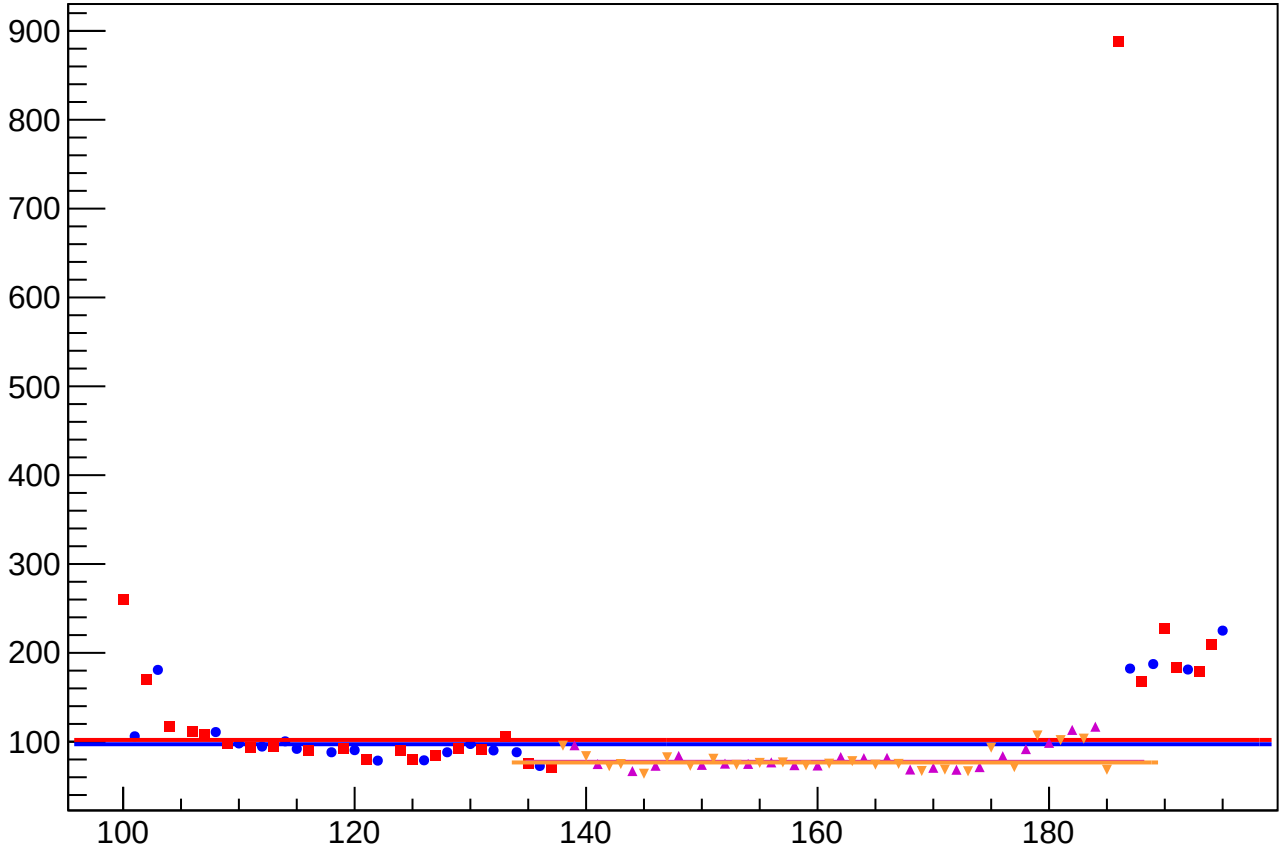
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.373+/-15.577 χ^2/NDF: 53.3/44

All: -17.327+/-11.169 χ^2/NDF: 127.3/92

- sign -67.803+/-16.024 χ^2/NDF: 54.7/47

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

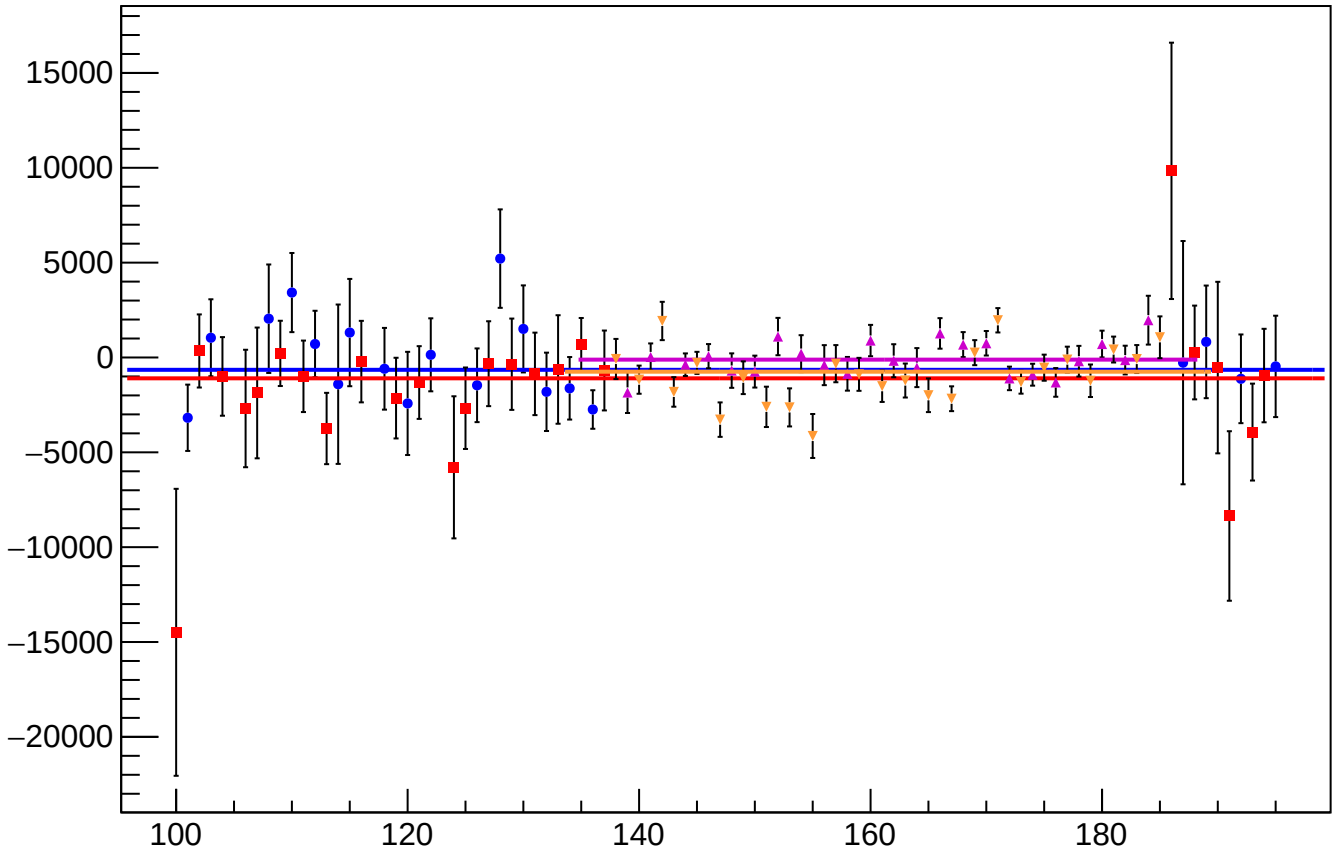
Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.211+/-0.011 χ^2/NDF: 3134669.4/44

All: 82.144+/-0.008 χ^2/NDF: 7283987.8/92

- sign 83.133+/-0.011 χ^2/NDF: 4134522.6/47



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: -1099.343+/-463.703 χ^2/NDF: 17.8/24

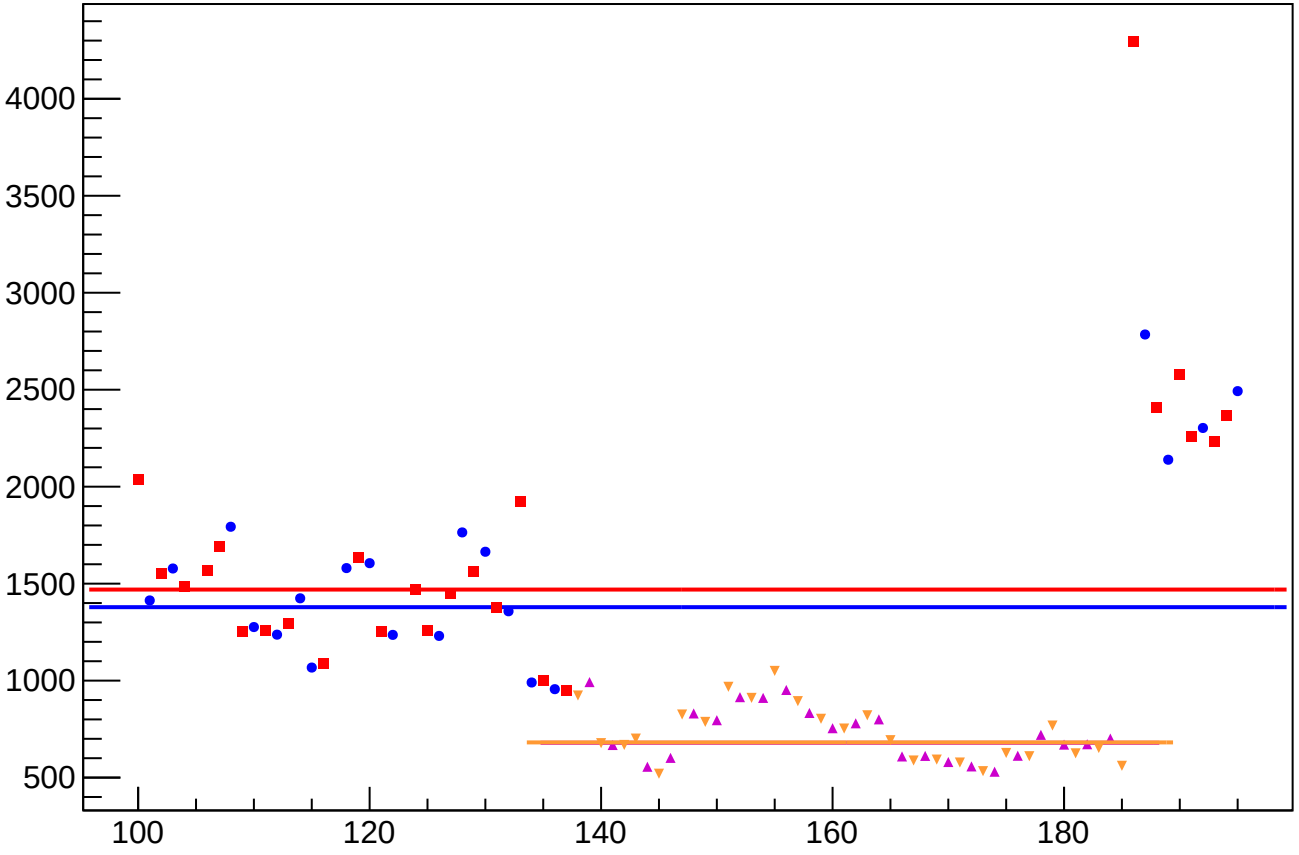
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -739.208+/-149.566 χ^2/NDF: 90.6/44

All: -485.495+/-106.876 χ^2/NDF: 143.4/92

- sign -220.779+/-152.775 χ^2/NDF: 46.9/47

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: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

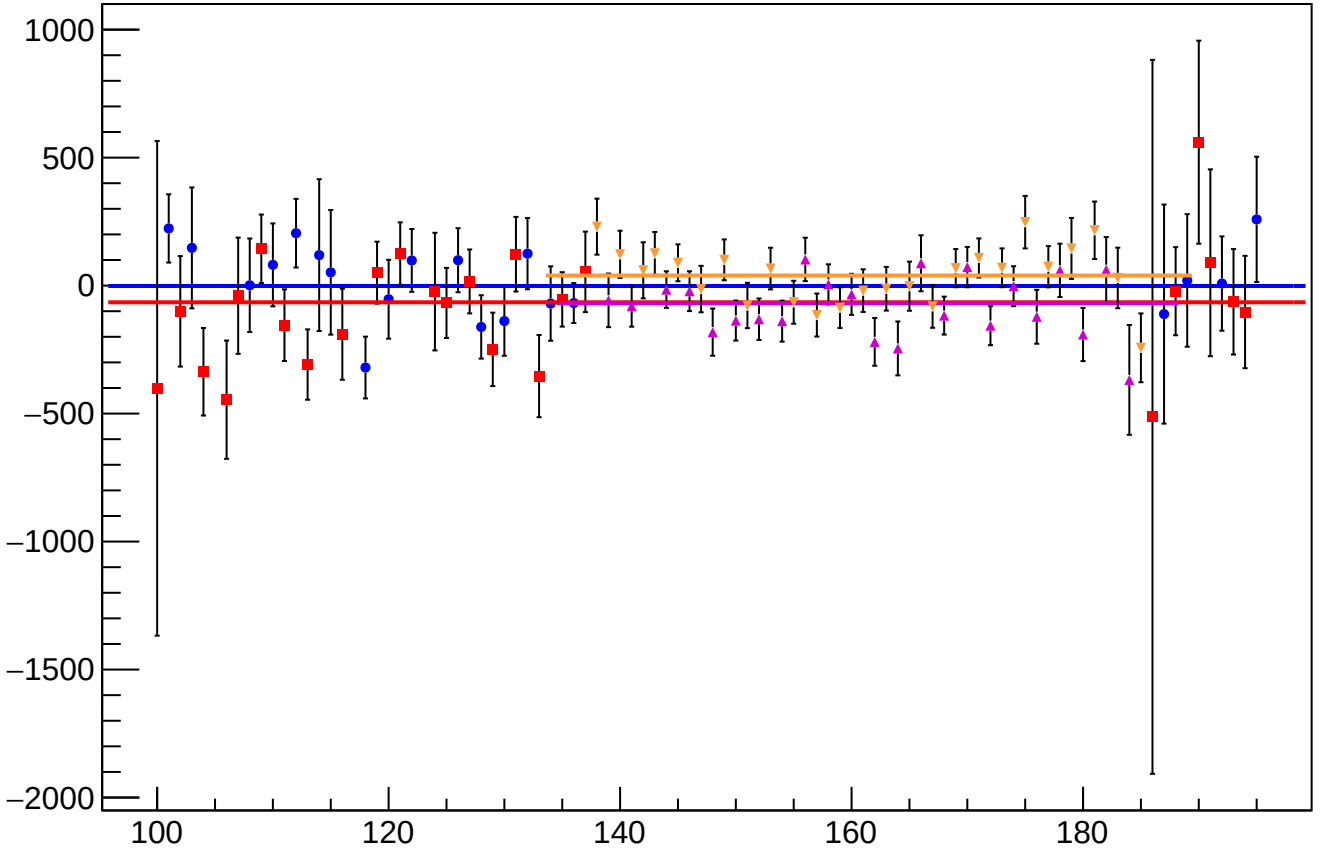
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 754.524+/-0.106 χ^2/NDF: 6992154.3/44

All: 759.738+/-0.076 χ^2/NDF: 15244787.7/92

- sign 765.177+/-0.108 χ^2/NDF: 8247667.6/47

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: -65.141+/-33.074 χ^2/NDF: 25.7/24

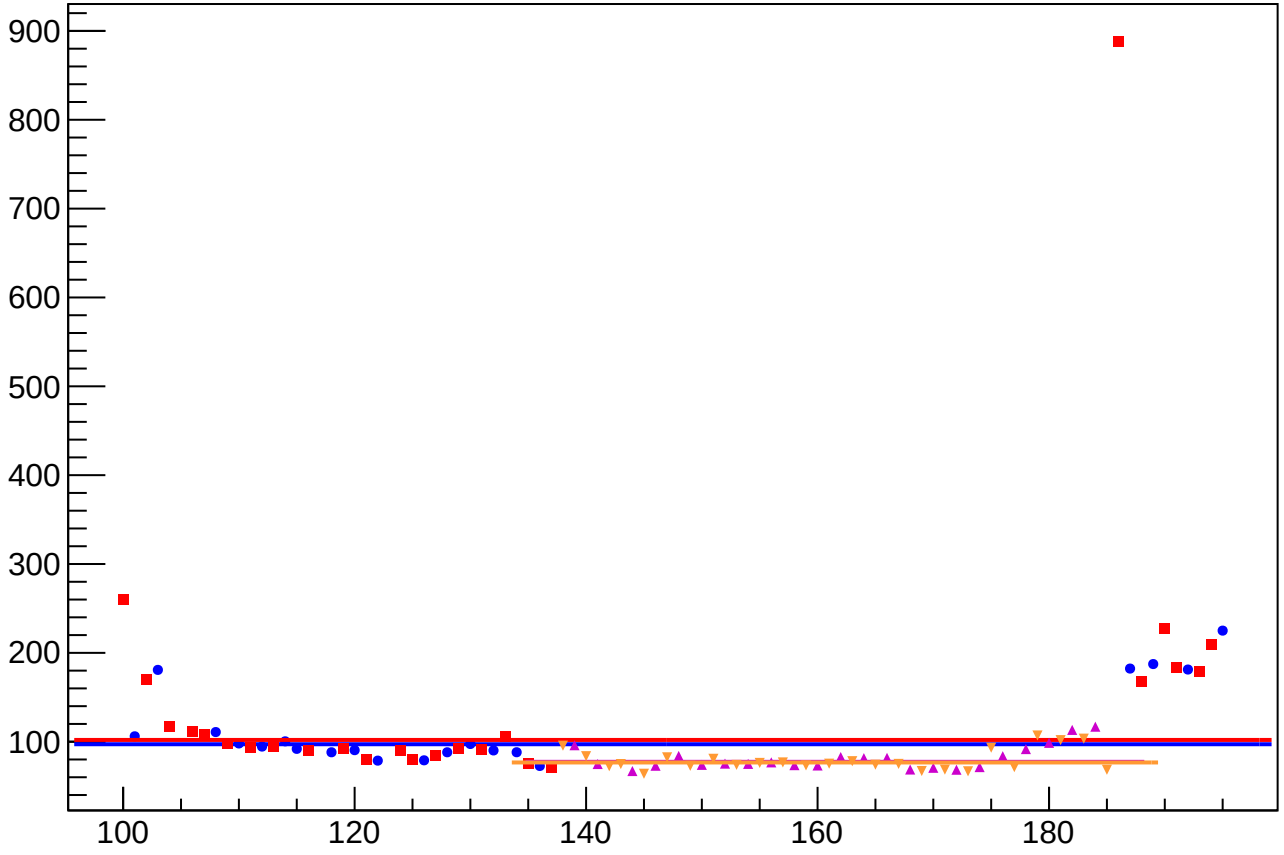
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.373+/-15.577 χ^2/NDF: 53.3/44

All: -17.327+/-11.169 χ^2/NDF: 127.3/92

- sign -67.803+/-16.024 χ^2/NDF: 54.7/47

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

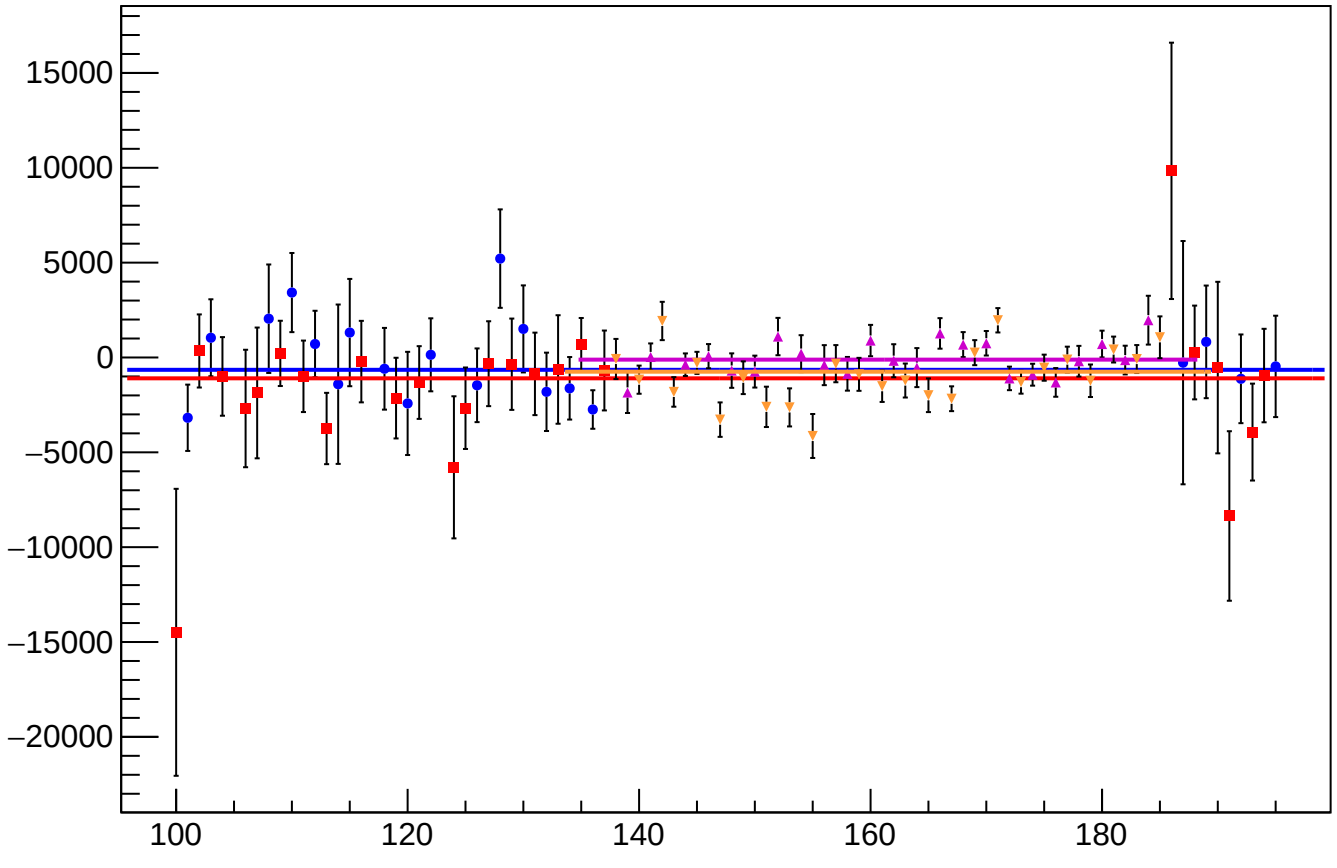
Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.211+/-0.011 χ^2/NDF: 3134669.4/44

All: 82.144+/-0.008 χ^2/NDF: 7283987.8/92

- sign 83.133+/-0.011 χ^2/NDF: 4134522.6/47



Right In: -650.193+/-461.950 χ^2/NDF: 20.6/19

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

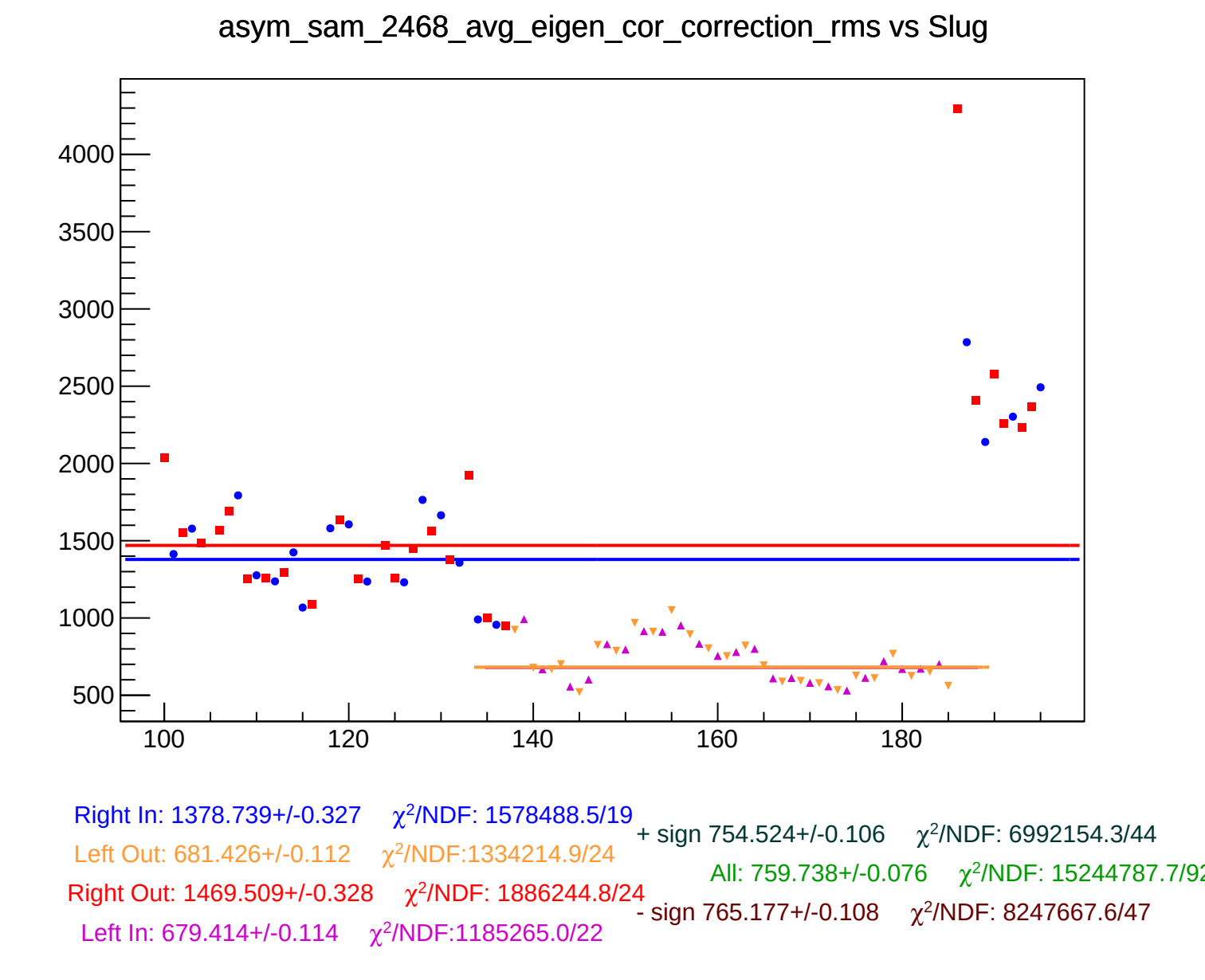
Right Out: -1099.343+/-463.703 χ^2/NDF: 17.8/24

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

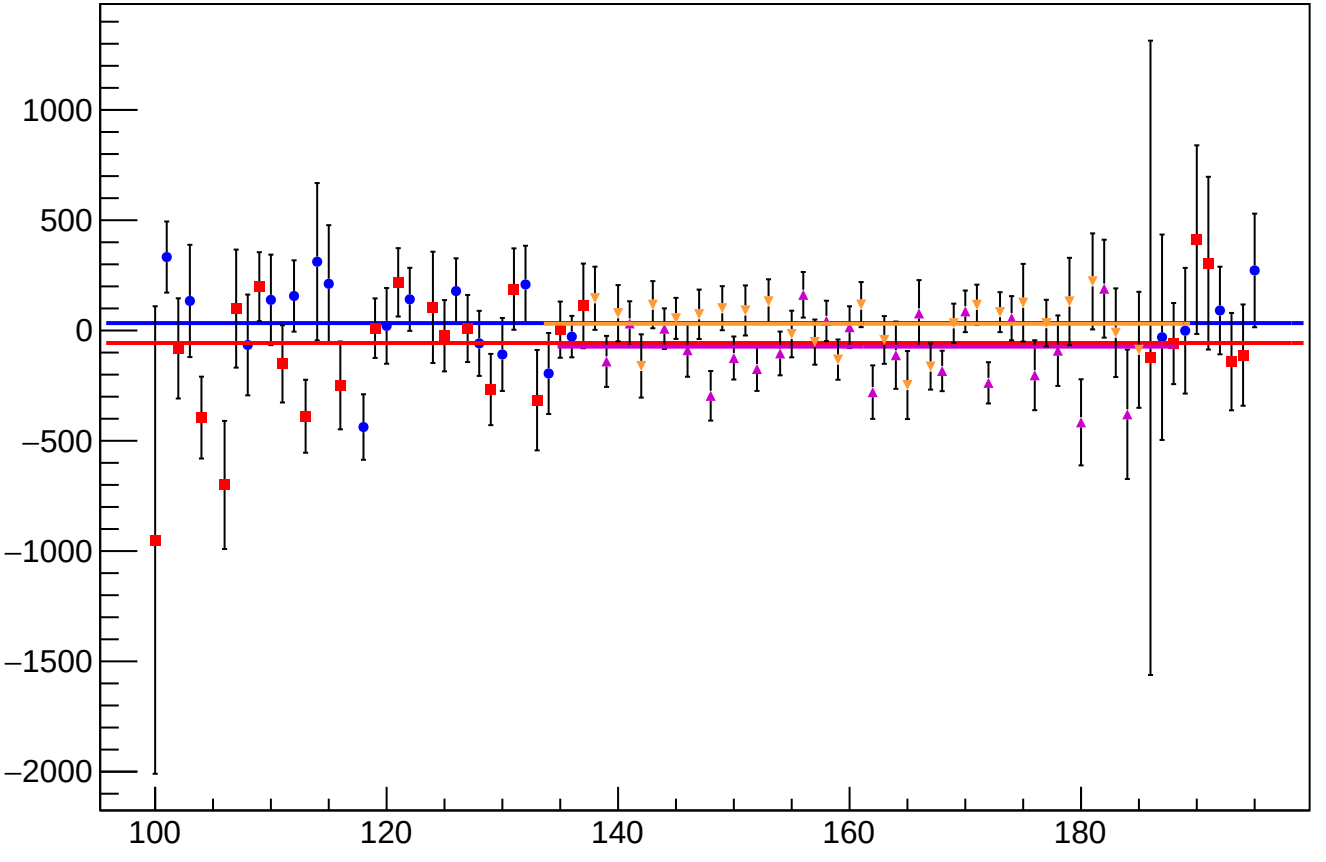
+ sign -739.208+/-149.566 χ^2/NDF: 90.6/44

All: -485.495+/-106.876 χ^2/NDF: 143.4/92

- sign -220.779+/-152.775 χ^2/NDF: 46.9/47


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1378.739+/-0.327 χ²/NDF: 1578488.5/19
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1469.509+/-0.328 χ²/NDF: 1886244.8/24
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 754.524+/-0.106 χ²/NDF: 6992154.3/44
All: 759.738+/-0.076 χ²/NDF: 15244787.7/92
- sign 765.177+/-0.108 χ²/NDF: 8247667.6/47

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: -56.604+/-38.884 χ^2/NDF: 29.3/24

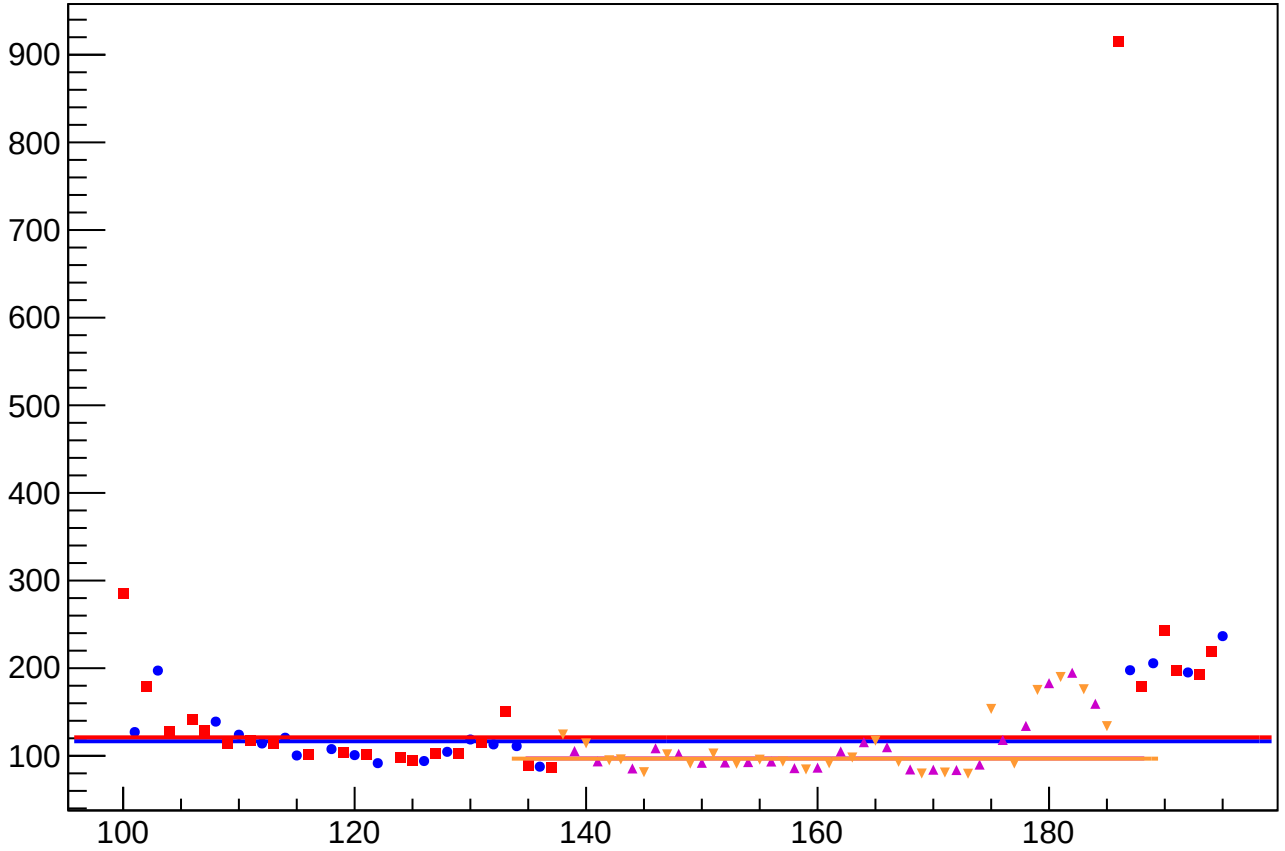
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 31.420+/-19.763 χ^2/NDF: 42.3/44

All: -17.757+/-14.099 χ^2/NDF: 118.8/92

- sign -68.718+/-20.119 χ^2/NDF: 63.9/47

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

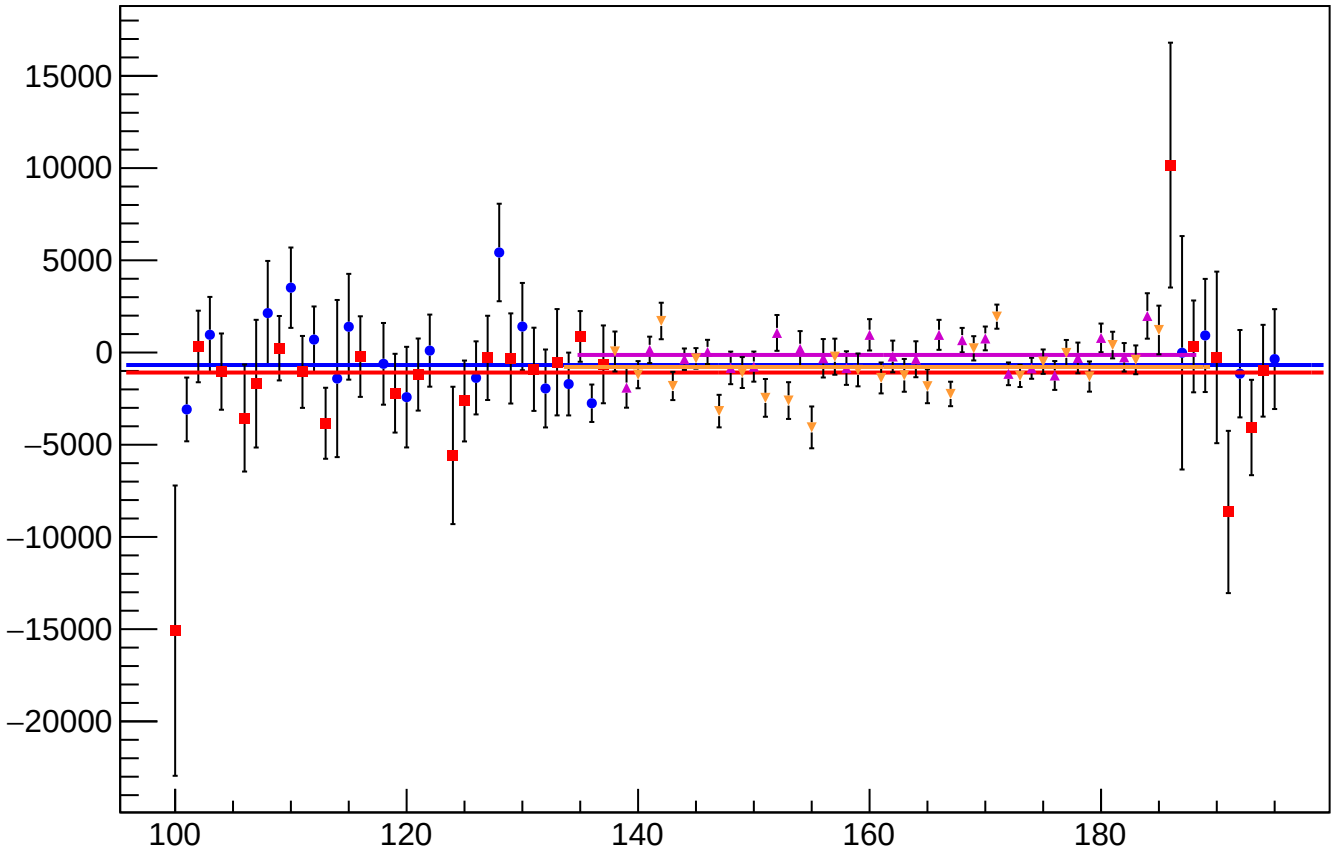
Right Out: 121.109+/-0.027 χ^2/NDF: 2264163.3/24

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 101.800+/-0.014 χ^2/NDF: 3680765.6/44

All: 102.618+/-0.010 χ^2/NDF: 7835335.5/92

- sign 103.466+/-0.014 χ^2/NDF: 4147590.3/47



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: -1085.676+/-467.725 χ^2/NDF: 19.3/24

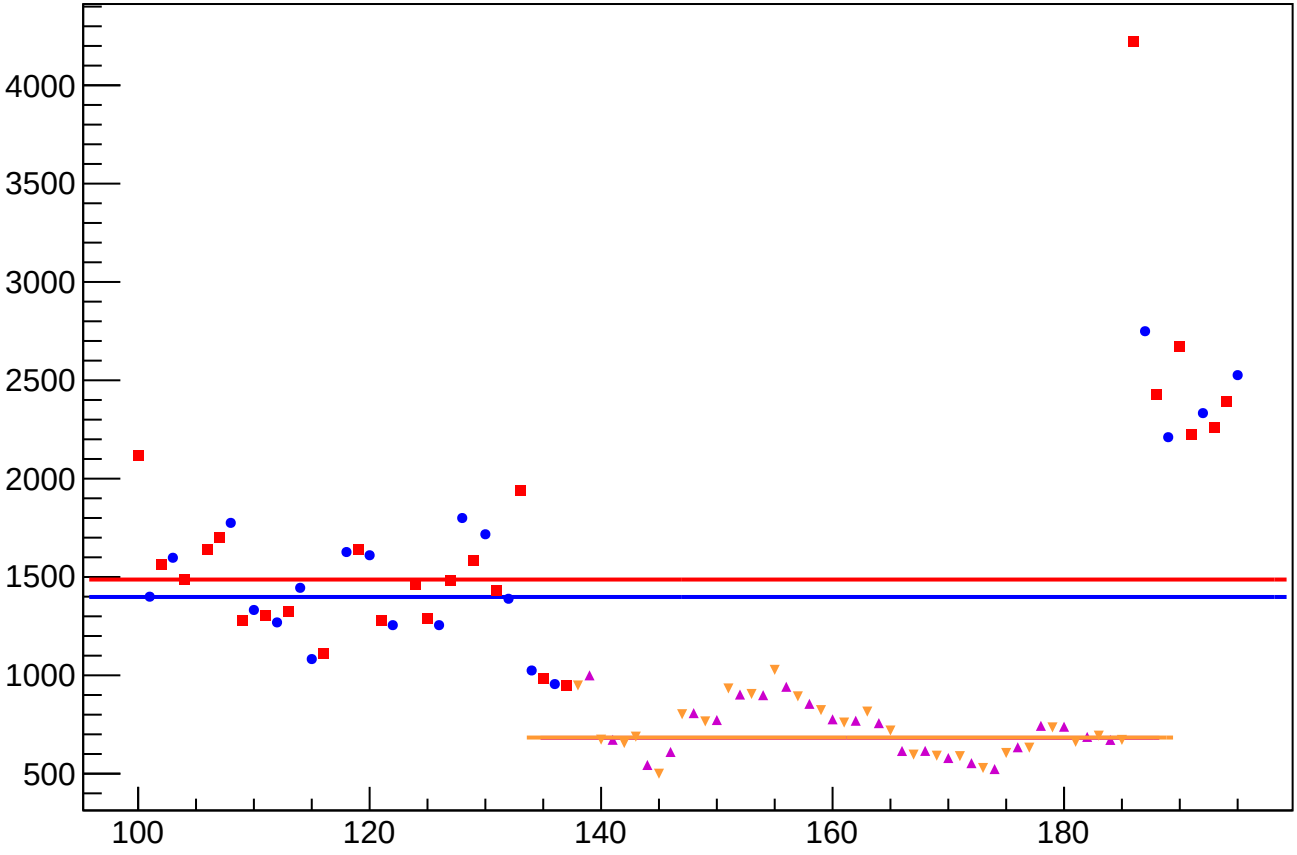
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -772.830+/-149.995 χ^2/NDF: 86.8/44

All: -509.532+/-107.254 χ^2/NDF: 140.4/92

- sign -234.060+/-153.423 χ^2/NDF: 47.3/47

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: 1487.011+/-0.331 χ^2/NDF: 1907344.8/24

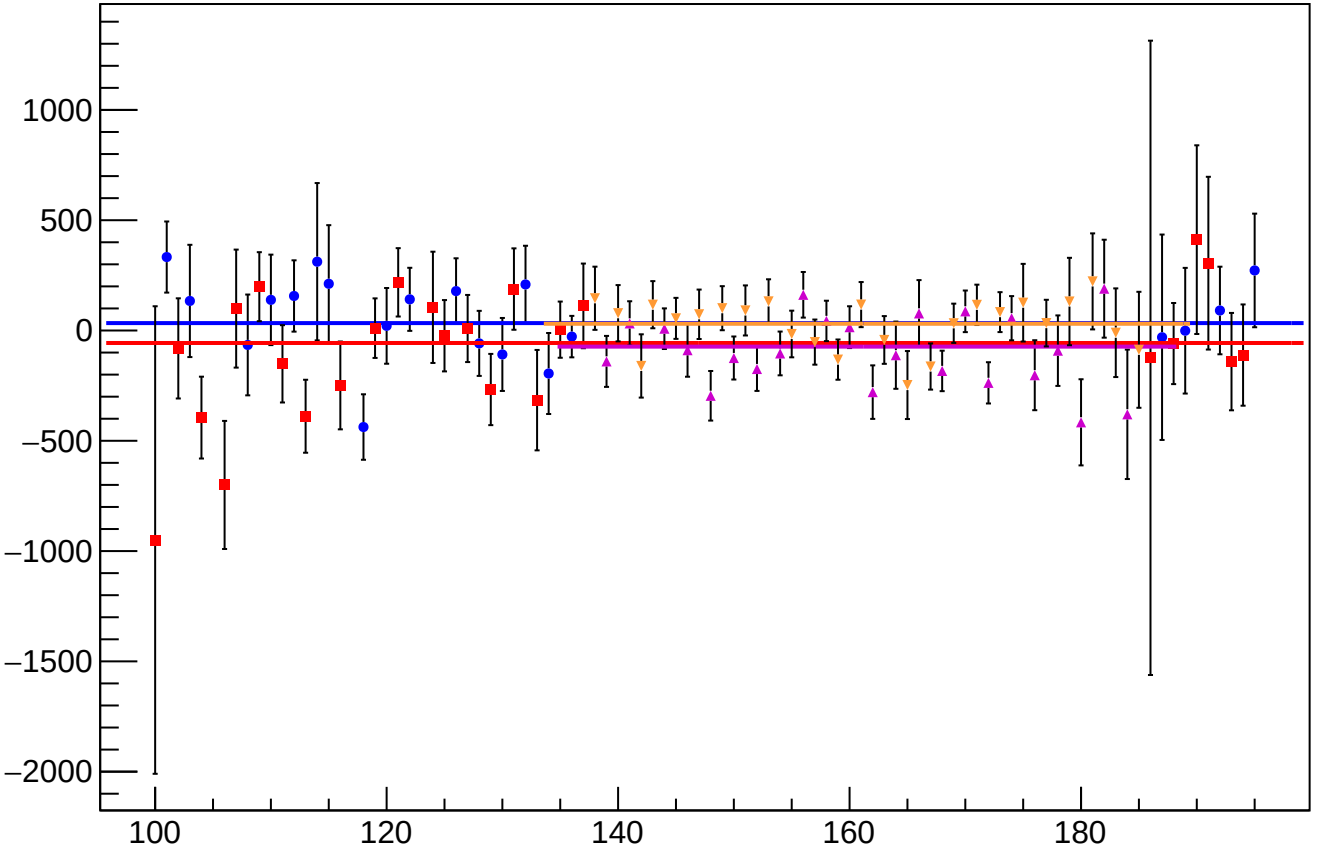
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 756.954+/-0.106 χ^2/NDF: 7070087.2/44

All: 762.637+/-0.076 χ^2/NDF: 15456980.6/92

- sign 768.583+/-0.108 χ^2/NDF: 8381018.9/47

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: -56.603+/-38.884 χ^2/NDF: 29.3/24

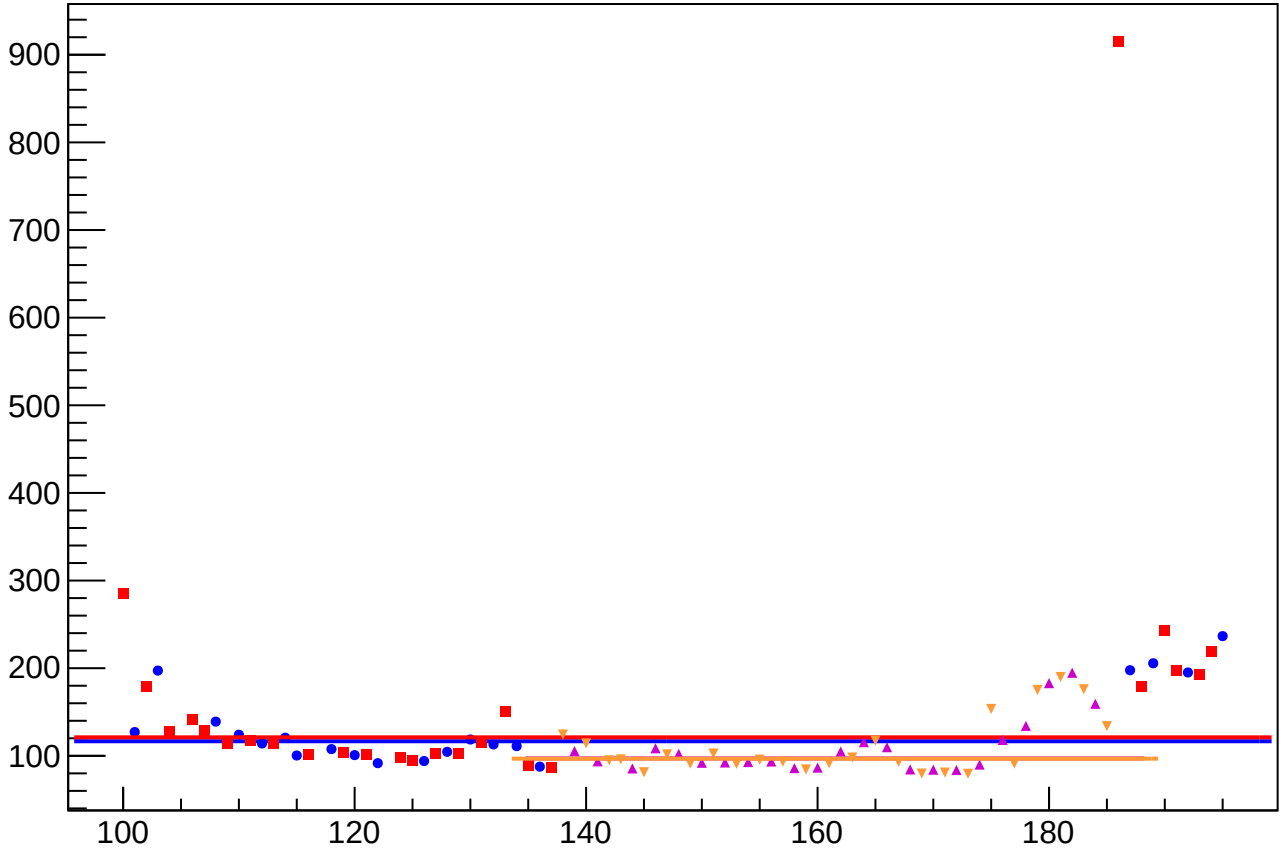
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 31.421+/-19.763 χ^2/NDF: 42.3/44

All: -17.756+/-14.099 χ^2/NDF: 118.8/92

- sign -68.717+/-20.119 χ^2/NDF: 63.9/47

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

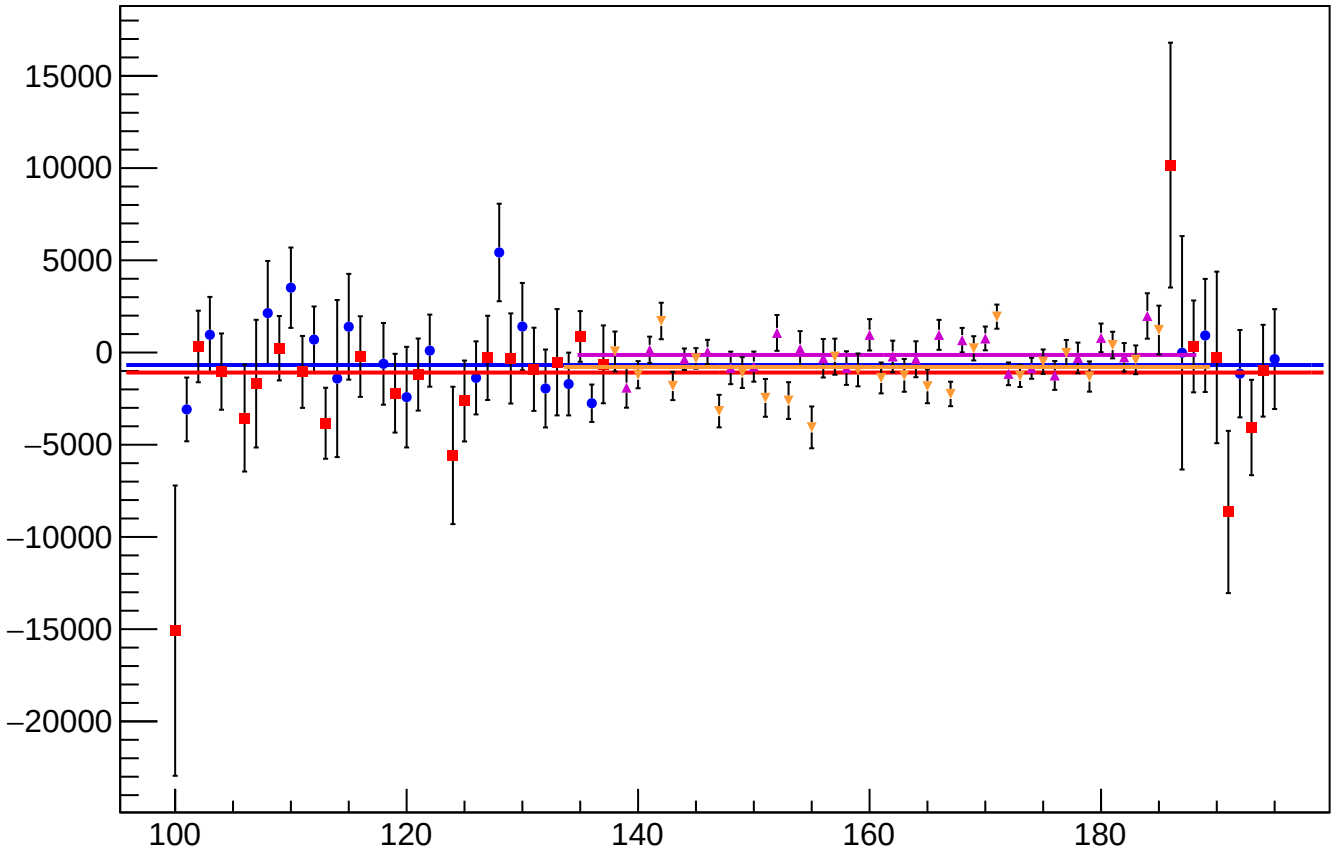
Right Out: 121.108+/-0.027 χ^2/NDF: 2264174.7/24

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 101.800+/-0.014 χ^2/NDF: 3680727.3/44

All: 102.619+/-0.010 χ^2/NDF: 7835249.9/92

- sign 103.466+/-0.014 χ^2/NDF: 4147542.8/47



Right In: -677.159+/-468.500 χ^2/NDF: 20.4/19

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

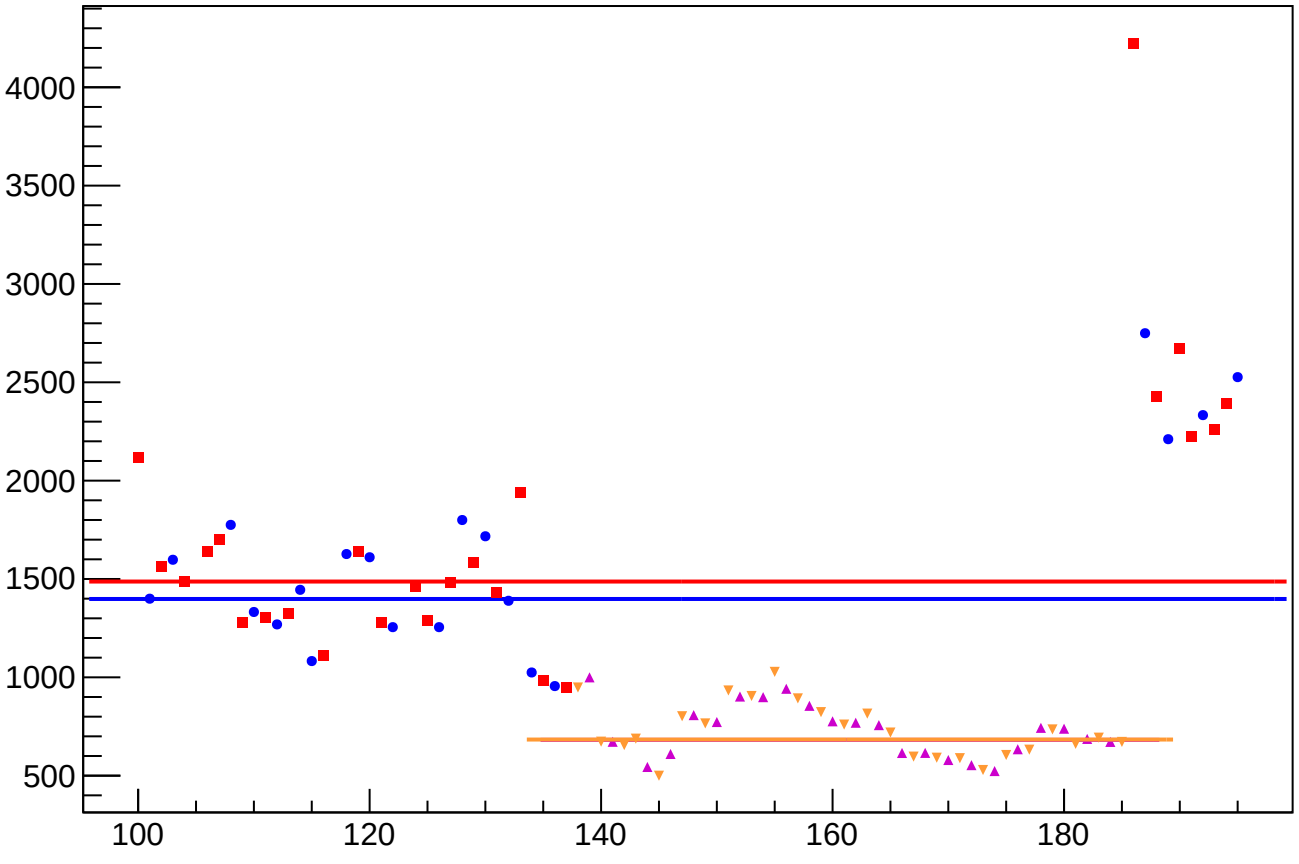
Right Out: -1085.675+/-467.724 χ^2/NDF: 19.3/24

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -772.828+/-149.995 χ^2/NDF: 86.8/44

All: -509.531+/-107.254 χ^2/NDF: 140.4/92

- sign -234.059+/-153.423 χ^2/NDF: 47.3/47



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: 1487.007+/-0.331 χ^2/NDF: 1907347.9/24

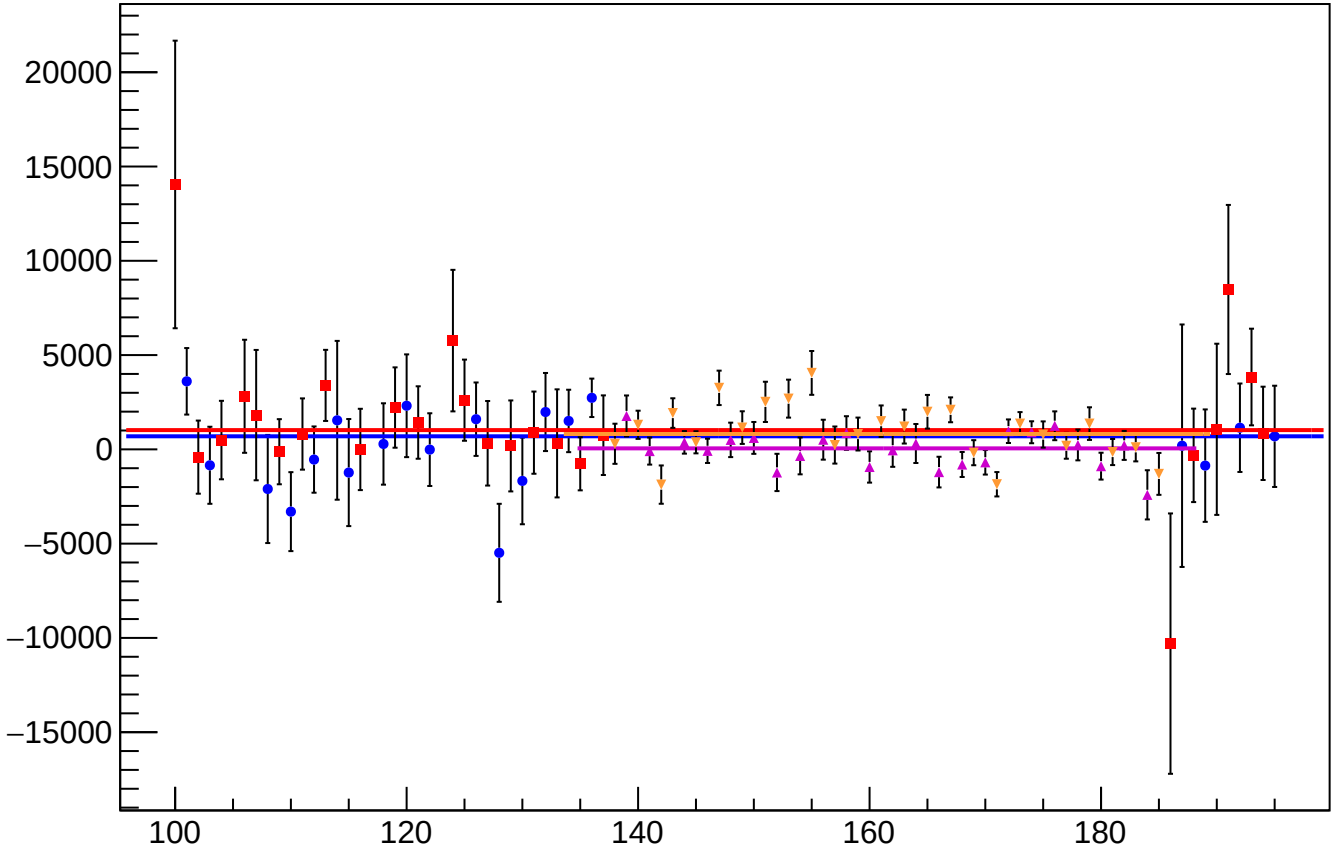
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 756.952+/-0.106 χ^2/NDF: 7070094.7/44

All: 762.635+/-0.076 χ^2/NDF: 15456991.1/92

- sign 768.581+/-0.108 χ^2/NDF: 8381022.0/47

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: 1021.138+/-464.790 χ^2/NDF: 17.6/24

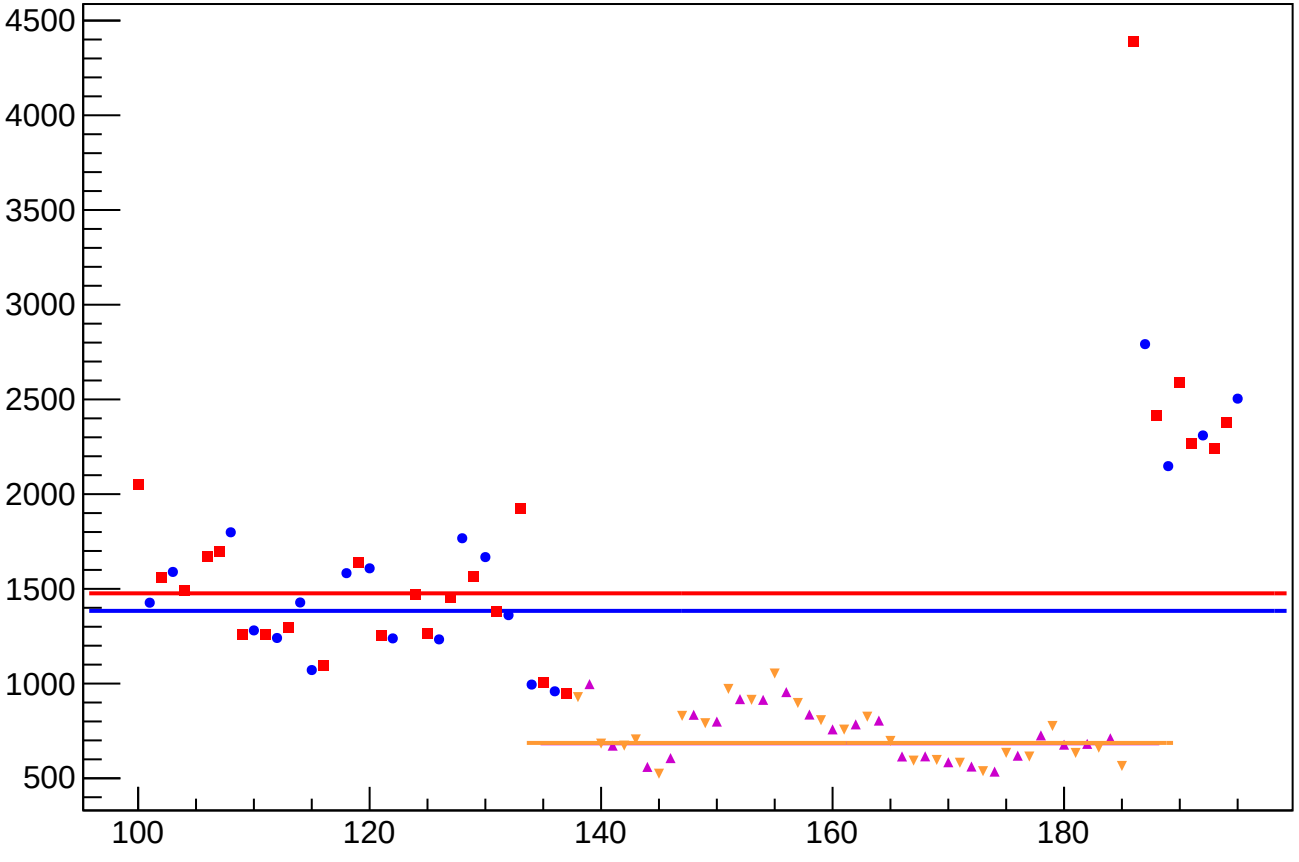
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 801.246+/-150.618 χ^2/NDF: 87.1/44

All: 486.656+/-107.626 χ^2/NDF: 142.9/92

- sign 158.438+/-153.846 χ^2/NDF: 46.8/47

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

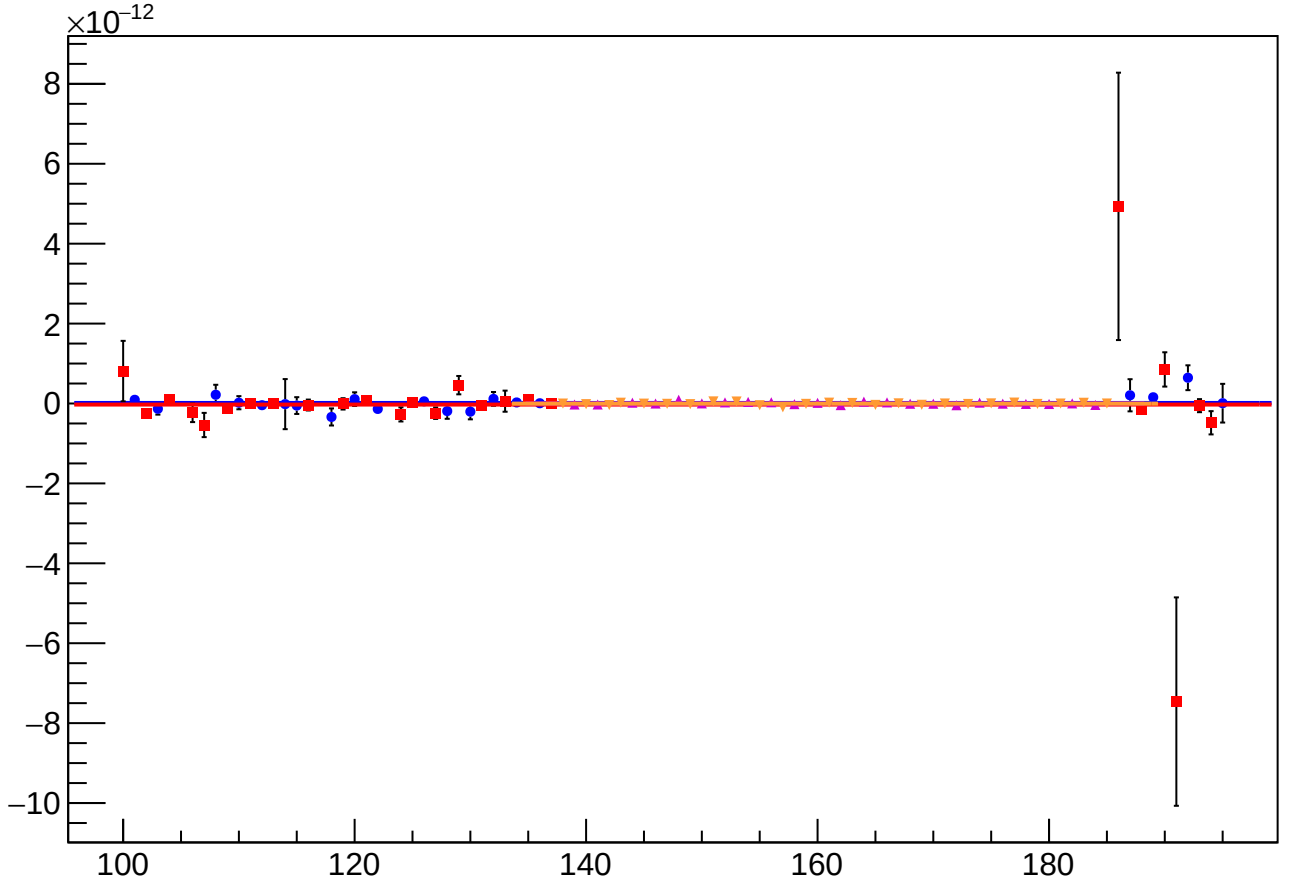
Right Out: 1476.348+/-0.329 χ^2/NDF: 1901356.5/24

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 760.269+/-0.107 χ^2/NDF: 6935182.7/44

All: 765.760+/-0.076 χ^2/NDF: 15172703.6/92

- sign 771.490+/-0.109 χ^2/NDF: 8232088.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

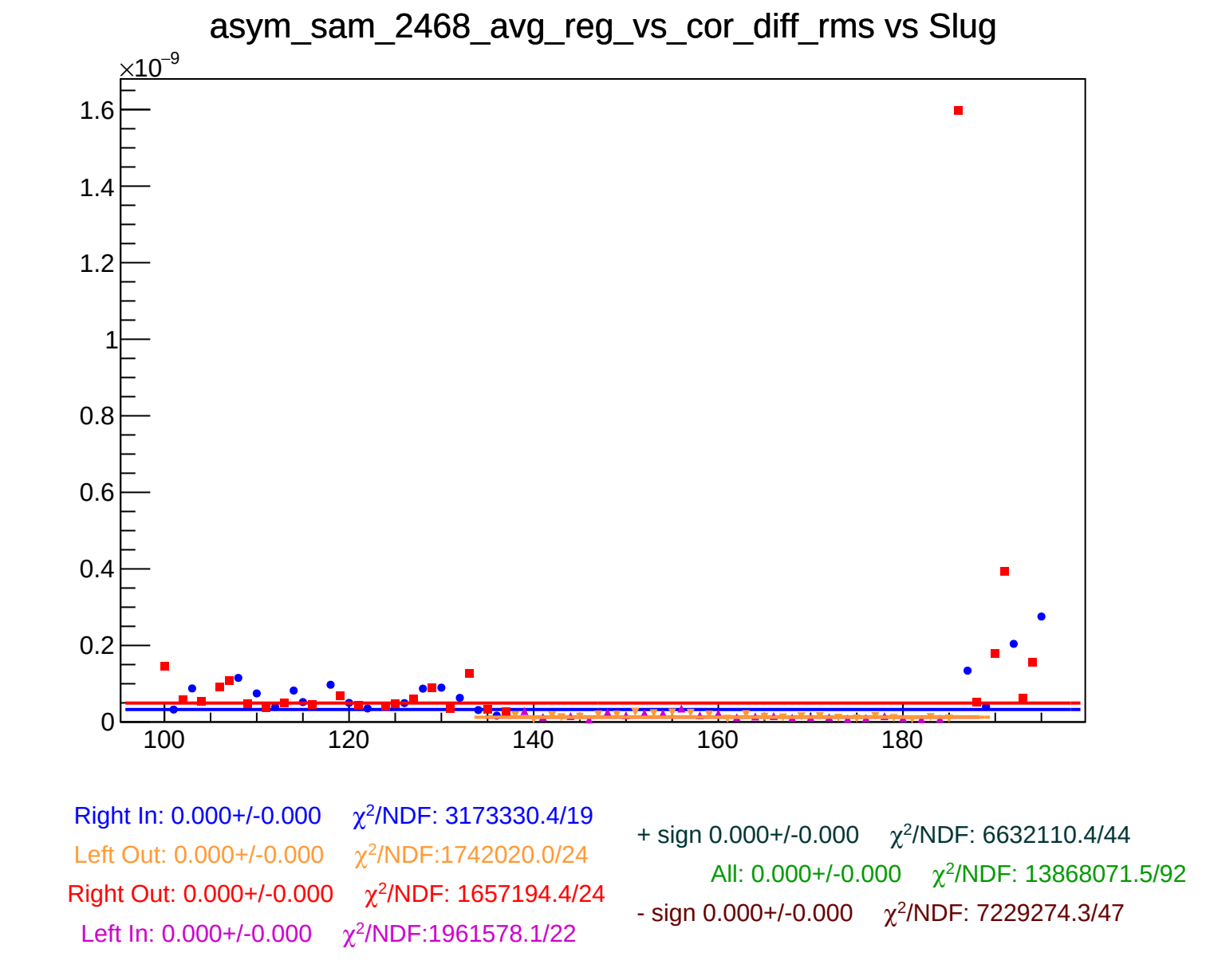
Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/24

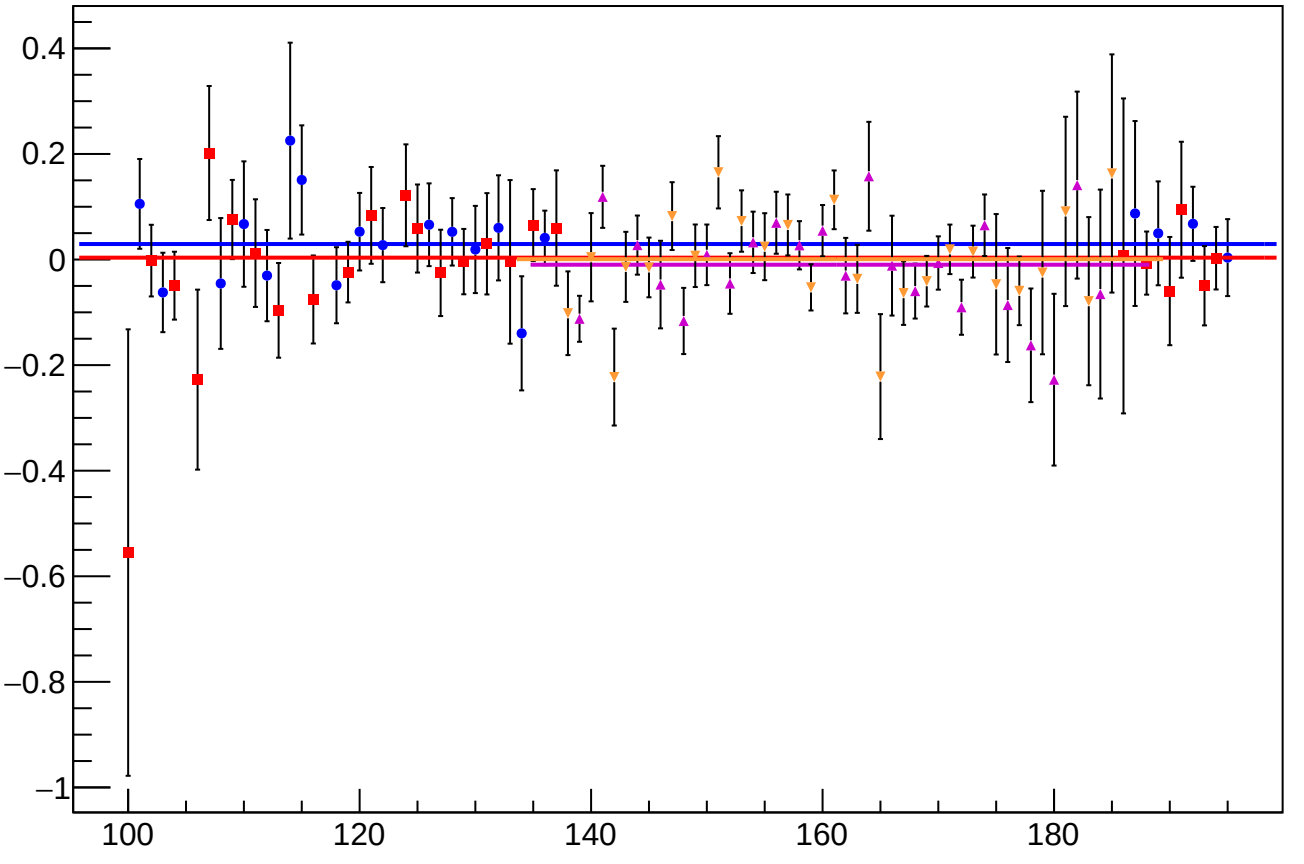
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/44

All: -0.000+/-0.000 χ^2/NDF: 98.5/92

- sign -0.000+/-0.000 χ^2/NDF: 63.9/47


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
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: 1657194.4/24
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: 13868071.5/92
- sign 0.000+/-0.000 χ²/NDF: 7229274.3/47



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: 0.004+/-0.017 χ^2/NDF: 15.4/24

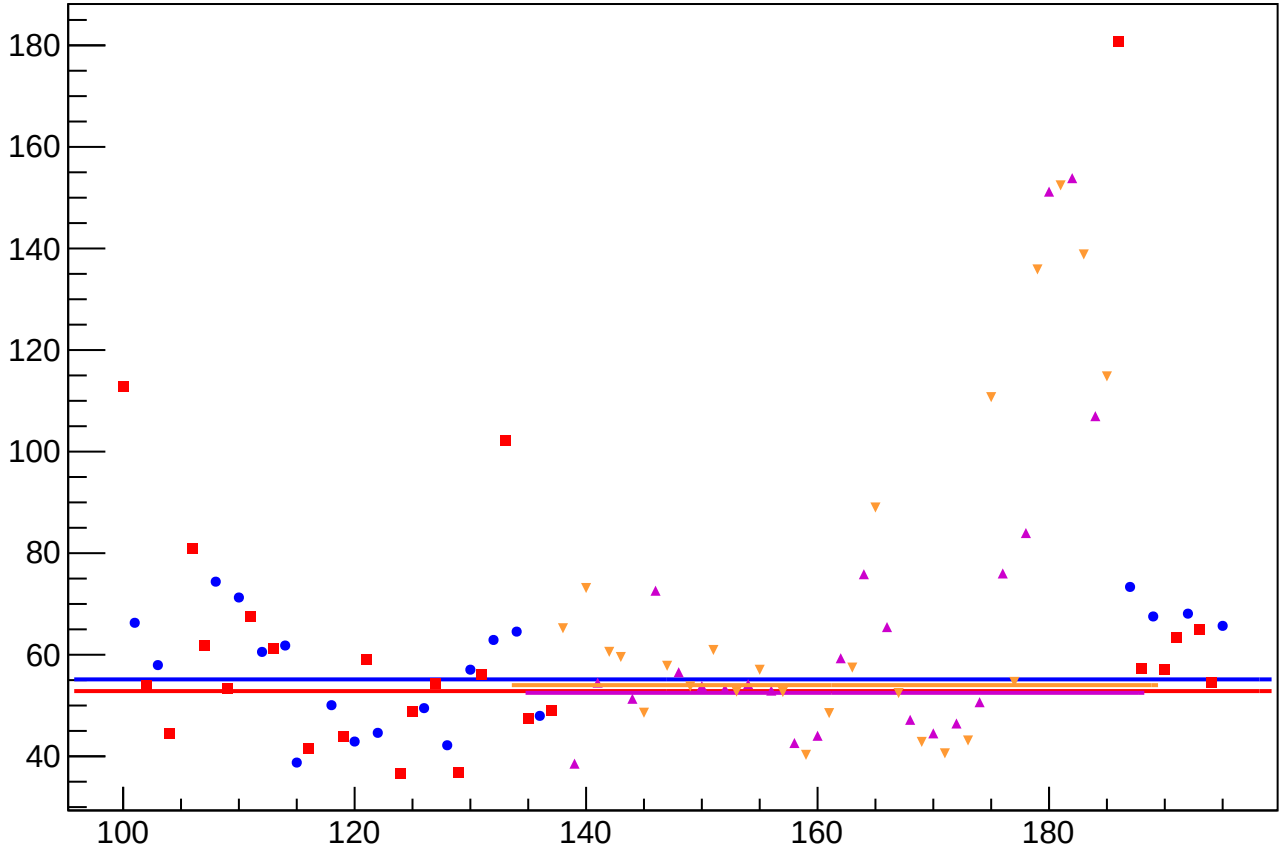
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.010+/-0.011 χ^2/NDF: 43.8/44

All: 0.003+/-0.007 χ^2/NDF: 92.5/92

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47

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

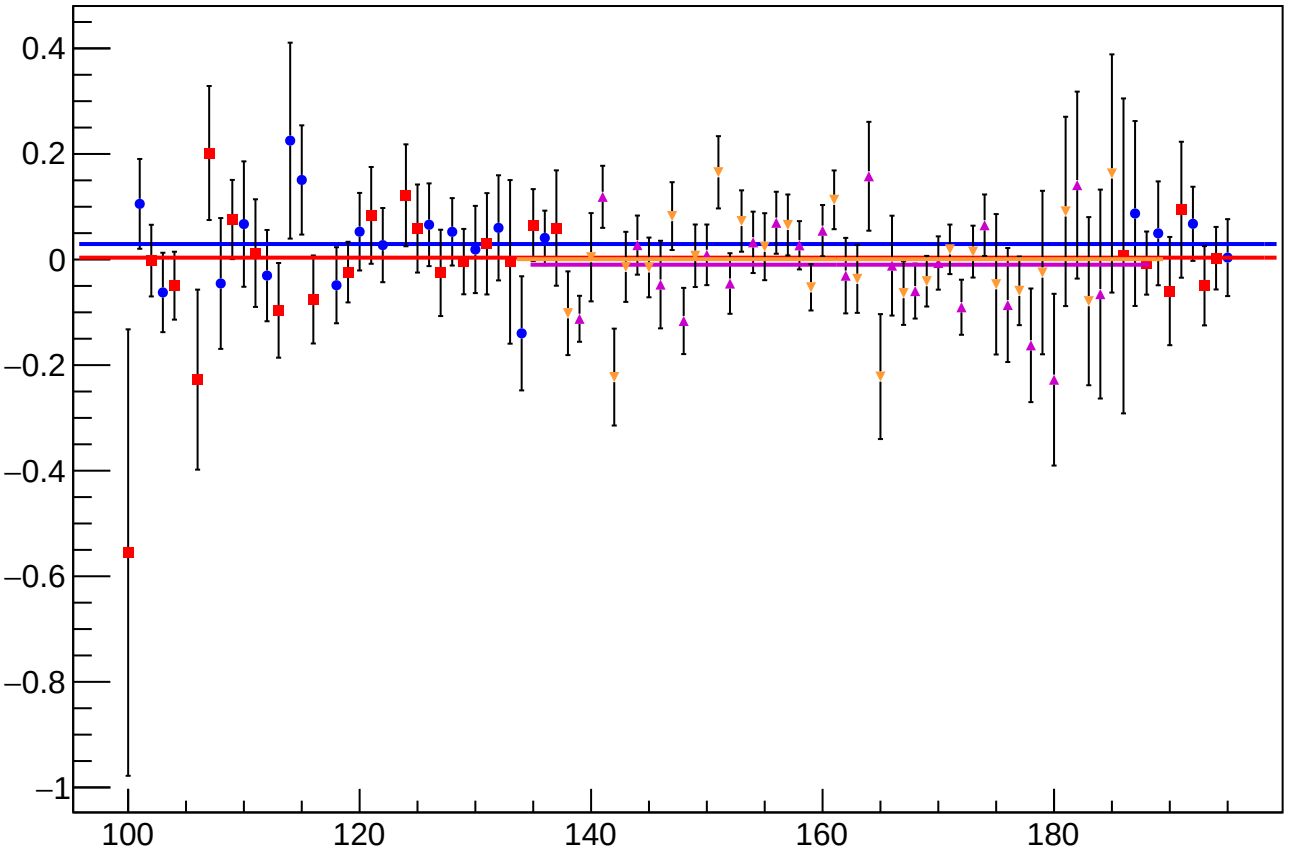
Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848602.3/44

All: 53.484+/-0.005 χ^2/NDF: 7592020.7/92

- sign 52.632+/-0.007 χ^2/NDF: 3715516.7/47



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

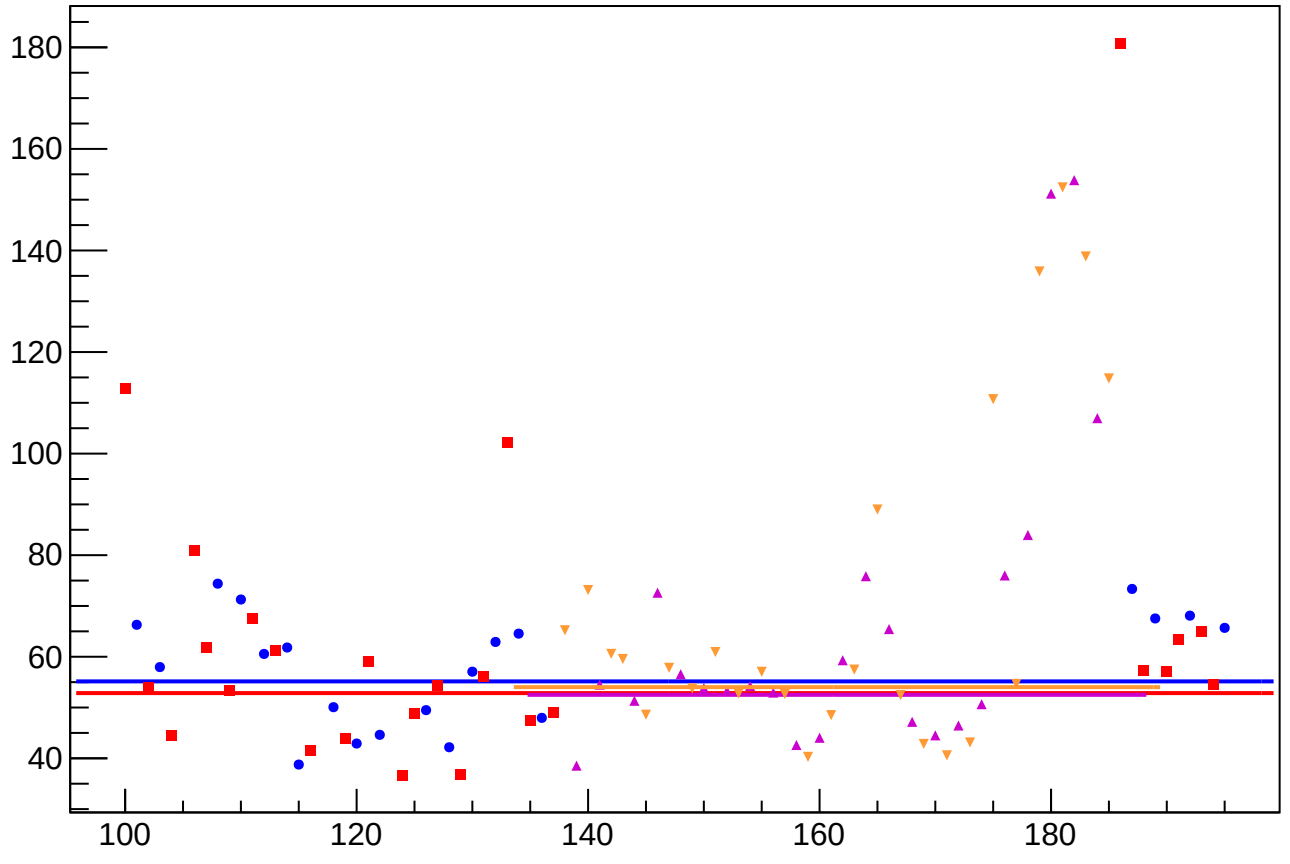
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

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: 92.5/92

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 55.148+/-0.013 χ^2/NDF: 616072.2/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

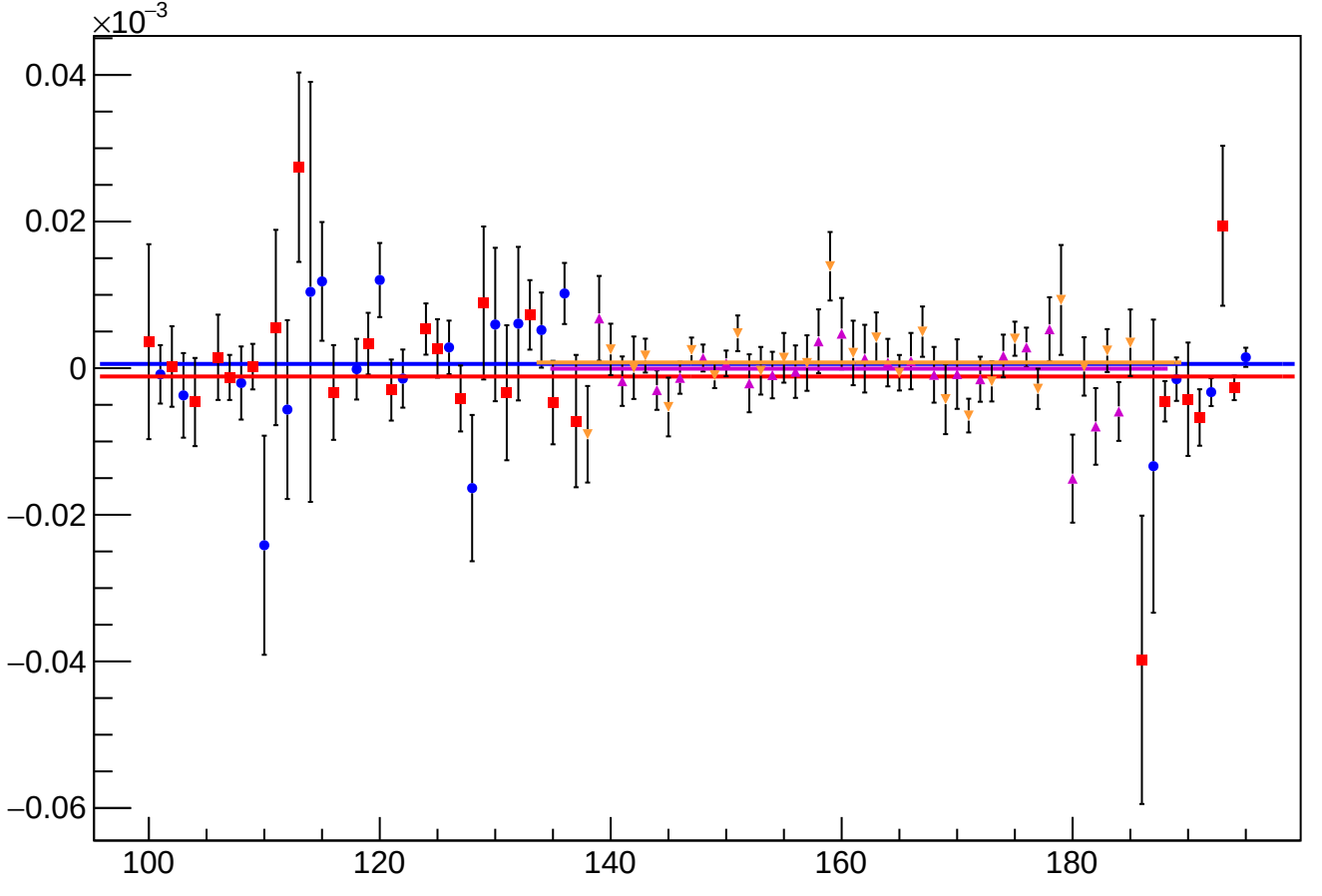
Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848602.3/44

All: 53.484+/-0.005 χ^2/NDF: 7592020.7/92

- sign 52.632+/-0.007 χ^2/NDF: 3715516.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

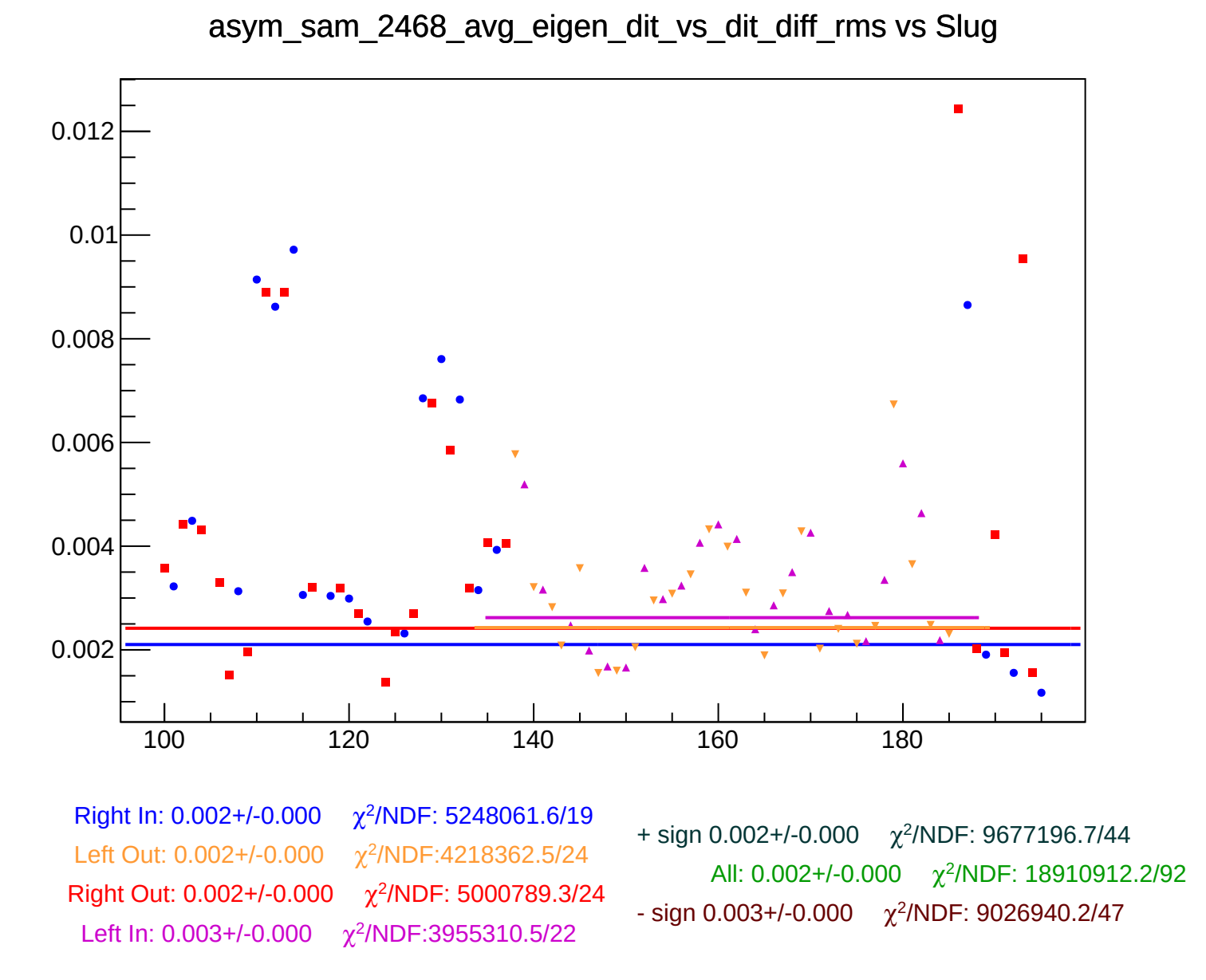
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/24

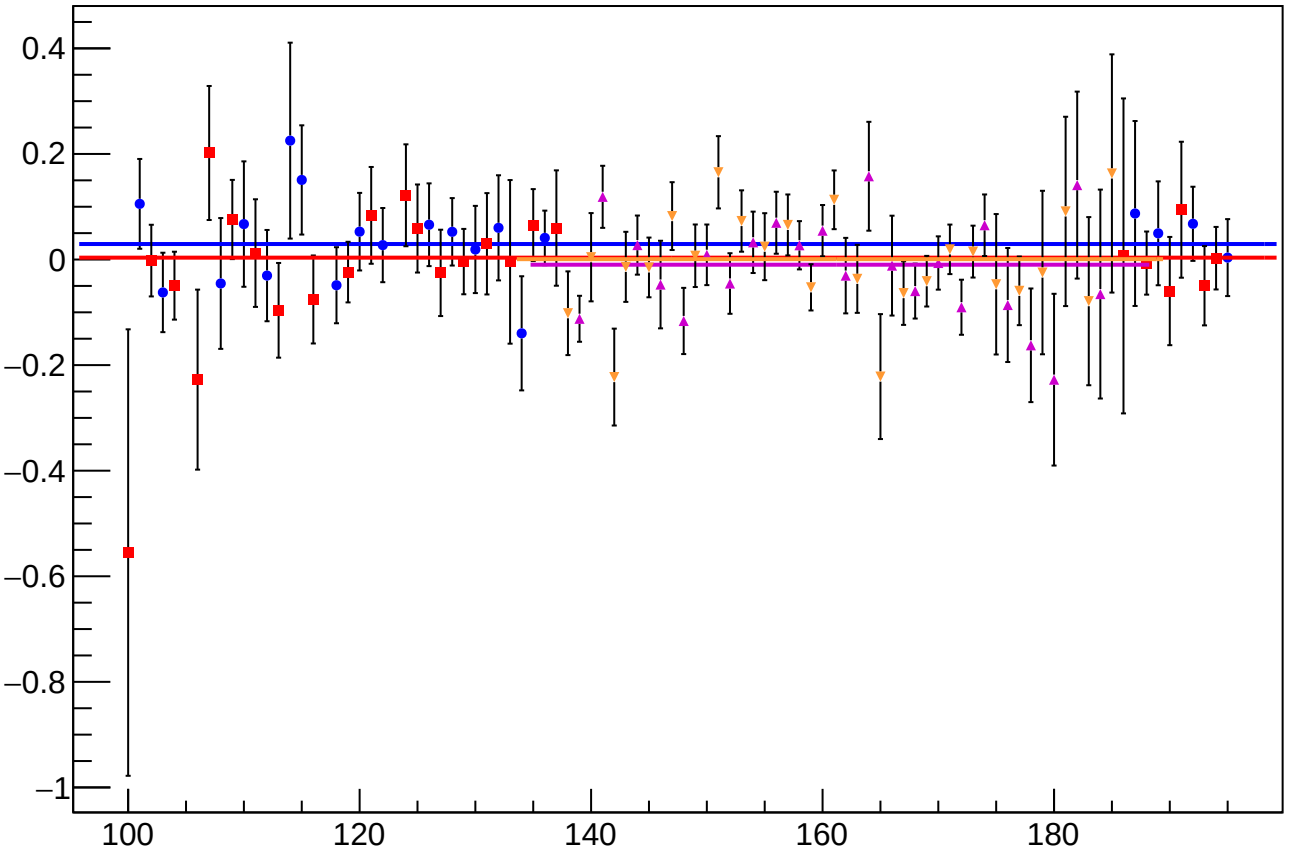
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/44

All: 0.000+/-0.000 χ^2/NDF: 118.3/92

- sign -0.000+/-0.000 χ^2/NDF: 50.5/47


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 5248061.6/19
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 5000789.3/24
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
+ sign 0.002+/-0.000 χ²/NDF: 9677196.7/44
All: 0.002+/-0.000 χ²/NDF: 18910912.2/92
- sign 0.003+/-0.000 χ²/NDF: 9026940.2/47



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

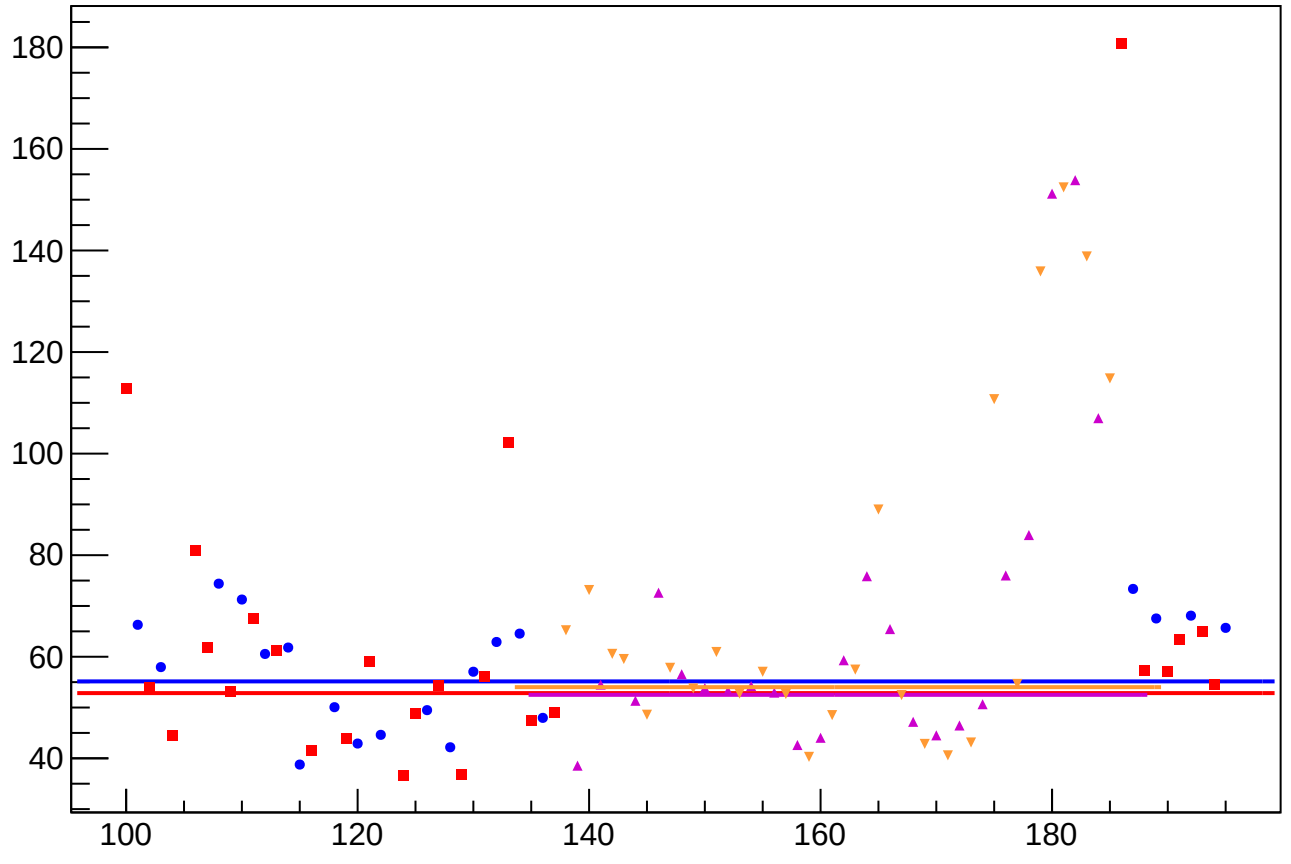
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

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: 92.5/92

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

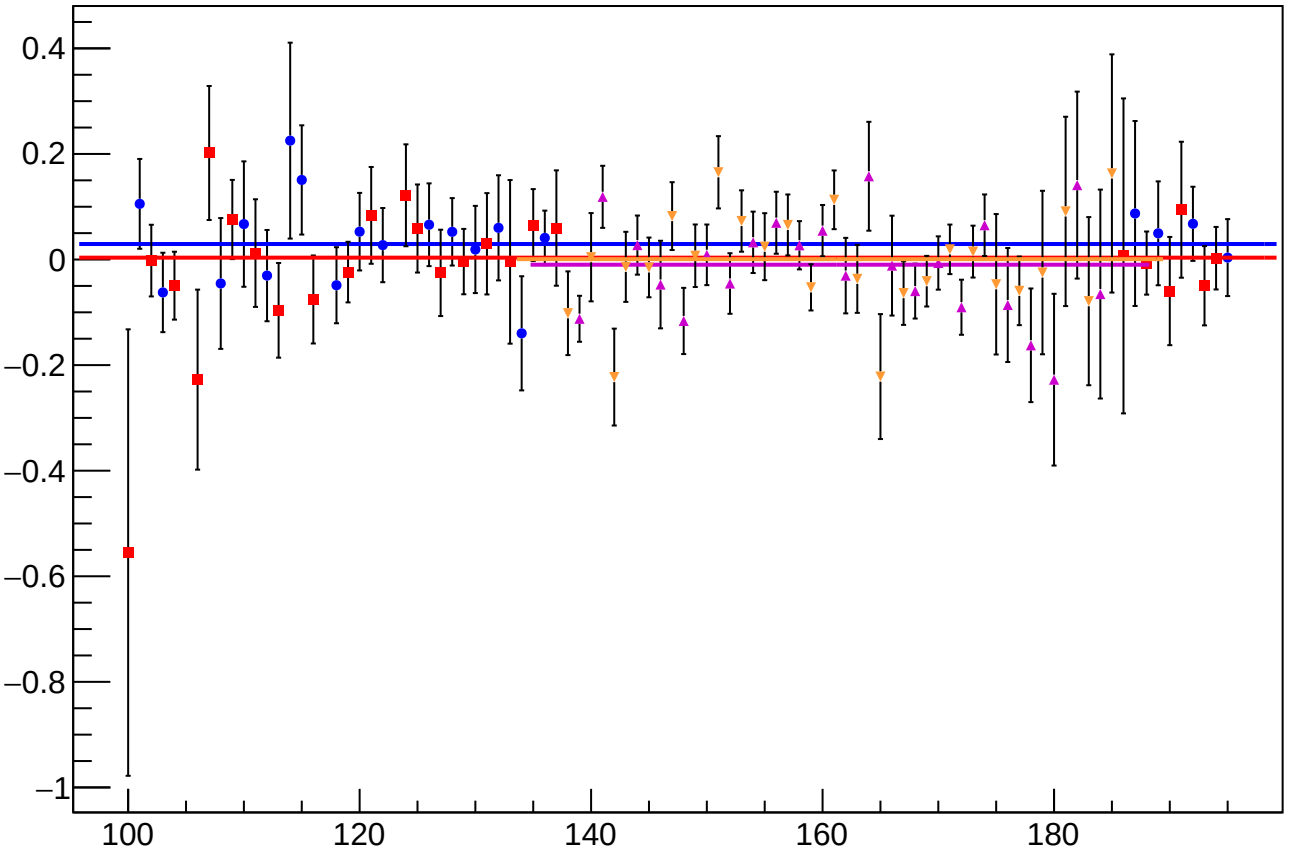
Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848589.0/44

All: 53.484+/-0.005 χ^2/NDF: 7592068.3/92

- sign 52.632+/-0.007 χ^2/NDF: 3715576.0/47



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

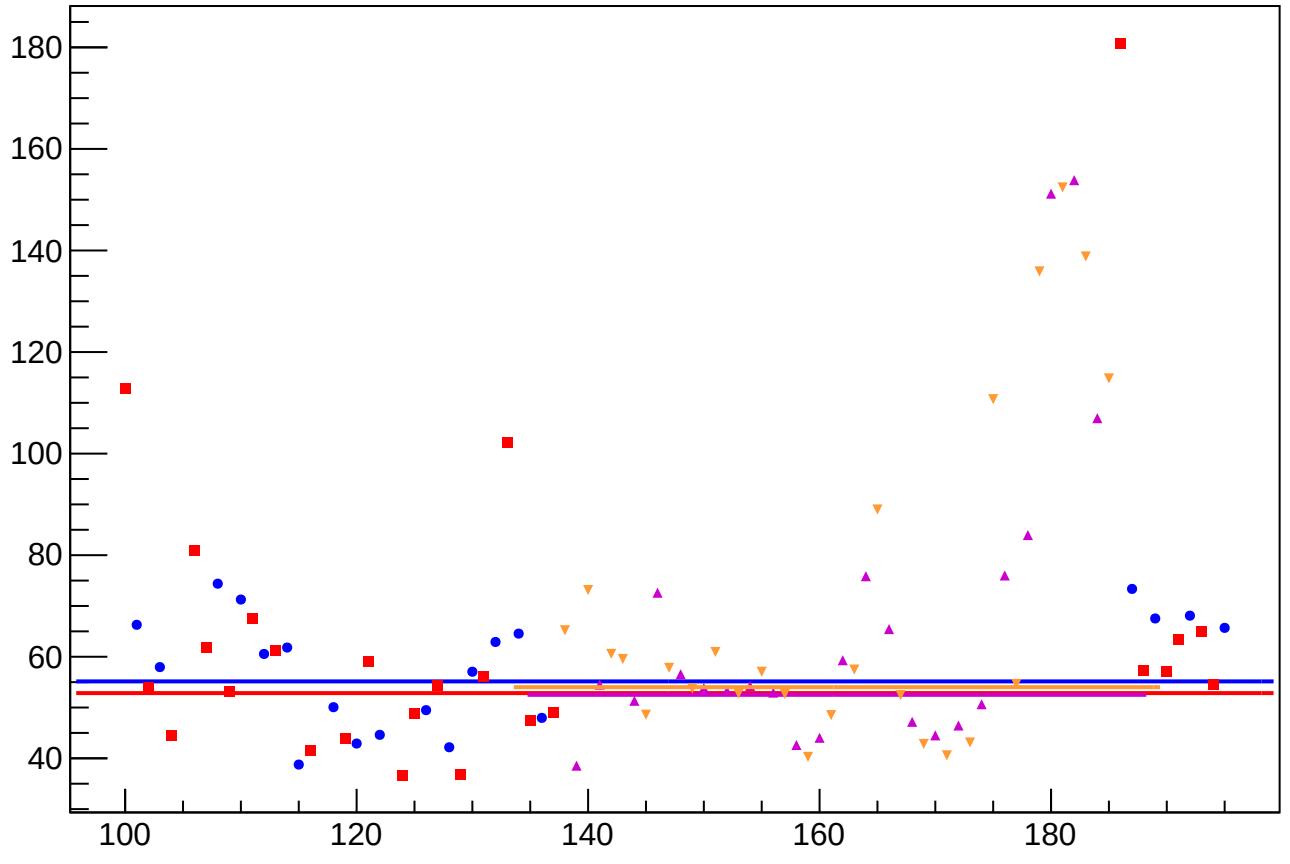
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

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: 92.5/92

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

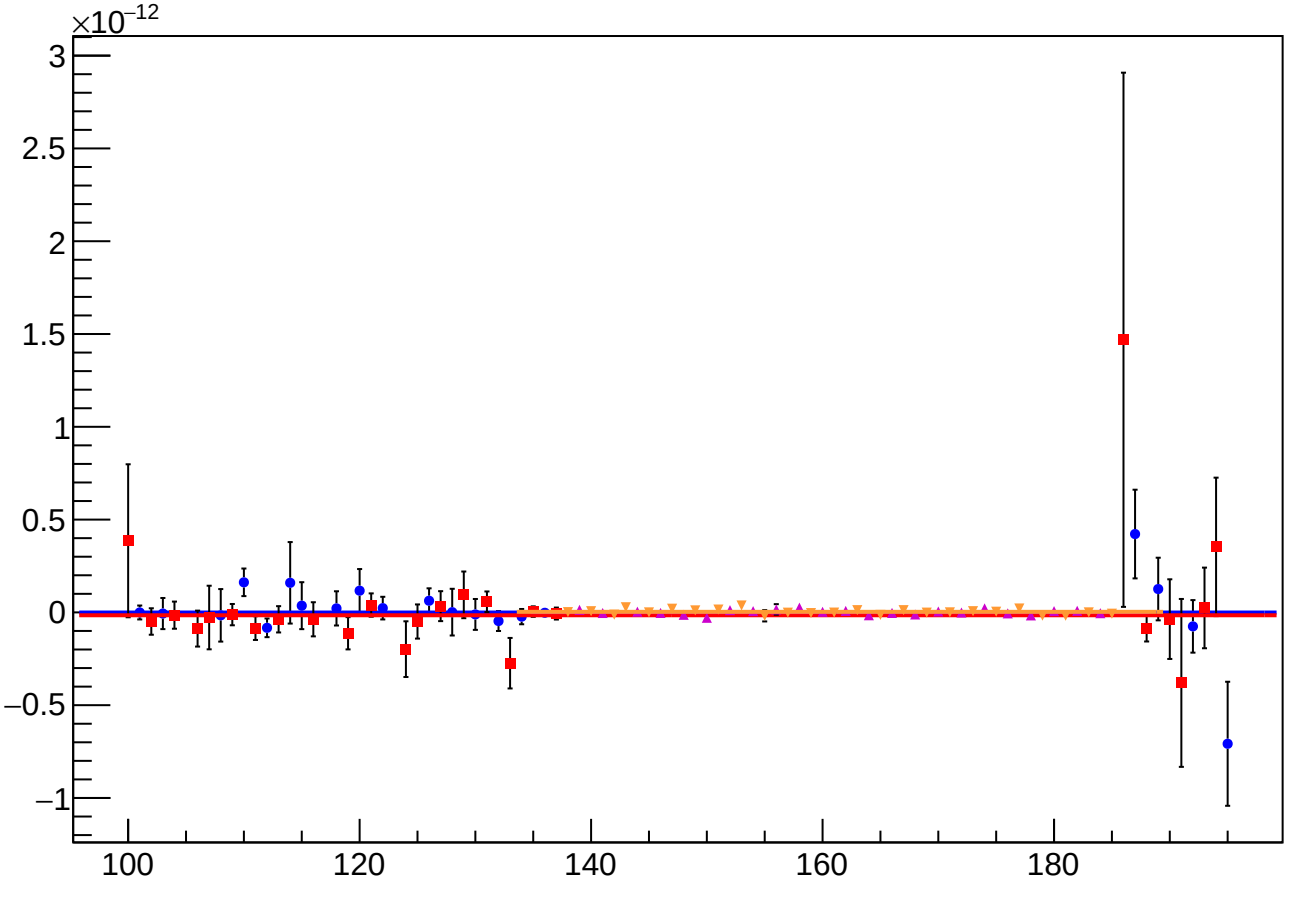
Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.399+/-0.008 χ^2/NDF: 3848589.0/44

All: 53.484+/-0.005 χ^2/NDF: 7592068.3/92

- sign 52.632+/-0.007 χ^2/NDF: 3715576.0/47



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

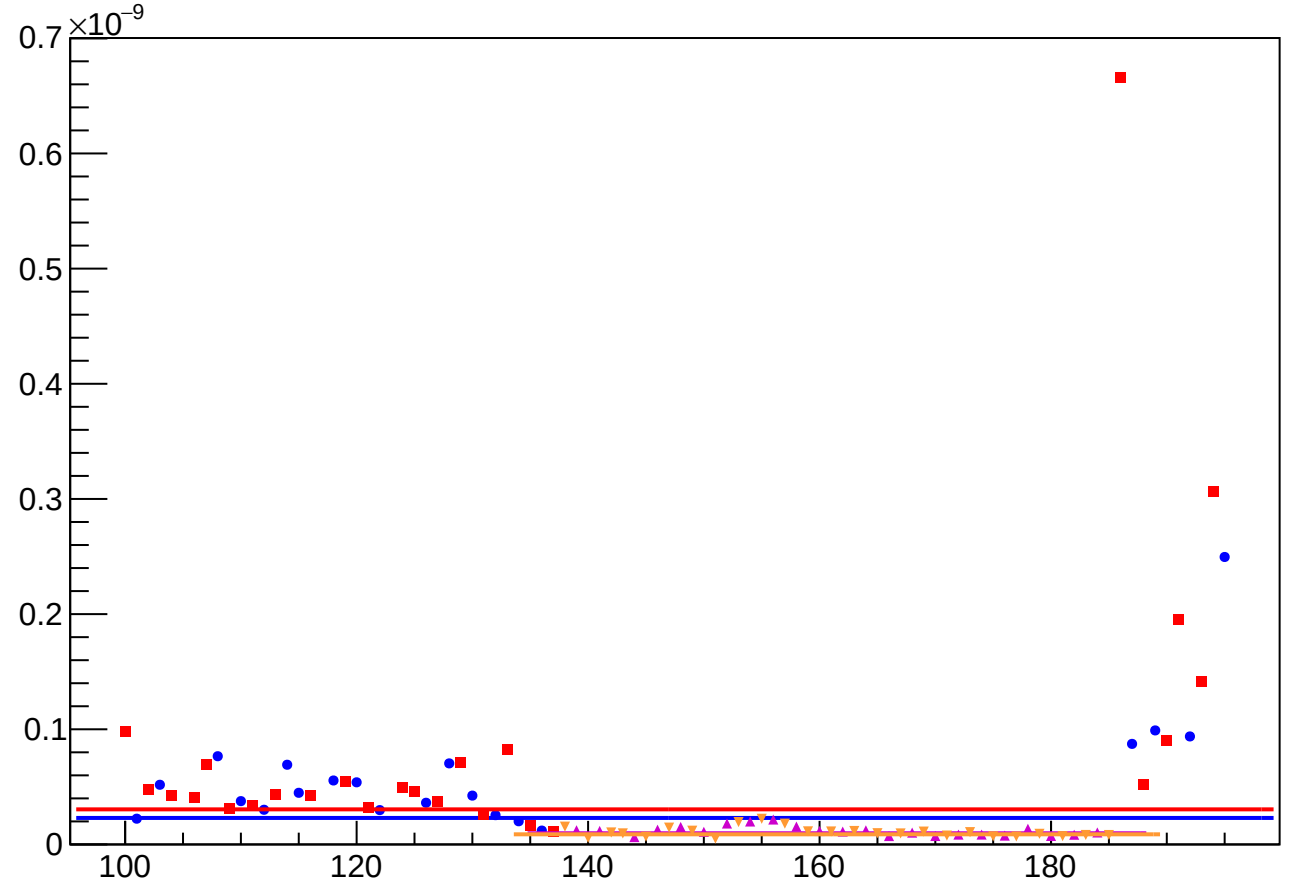
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/24

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: 76.0/92

- sign 0.000+/-0.000 χ^2/NDF: 34.1/47



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: 5054573.4/24

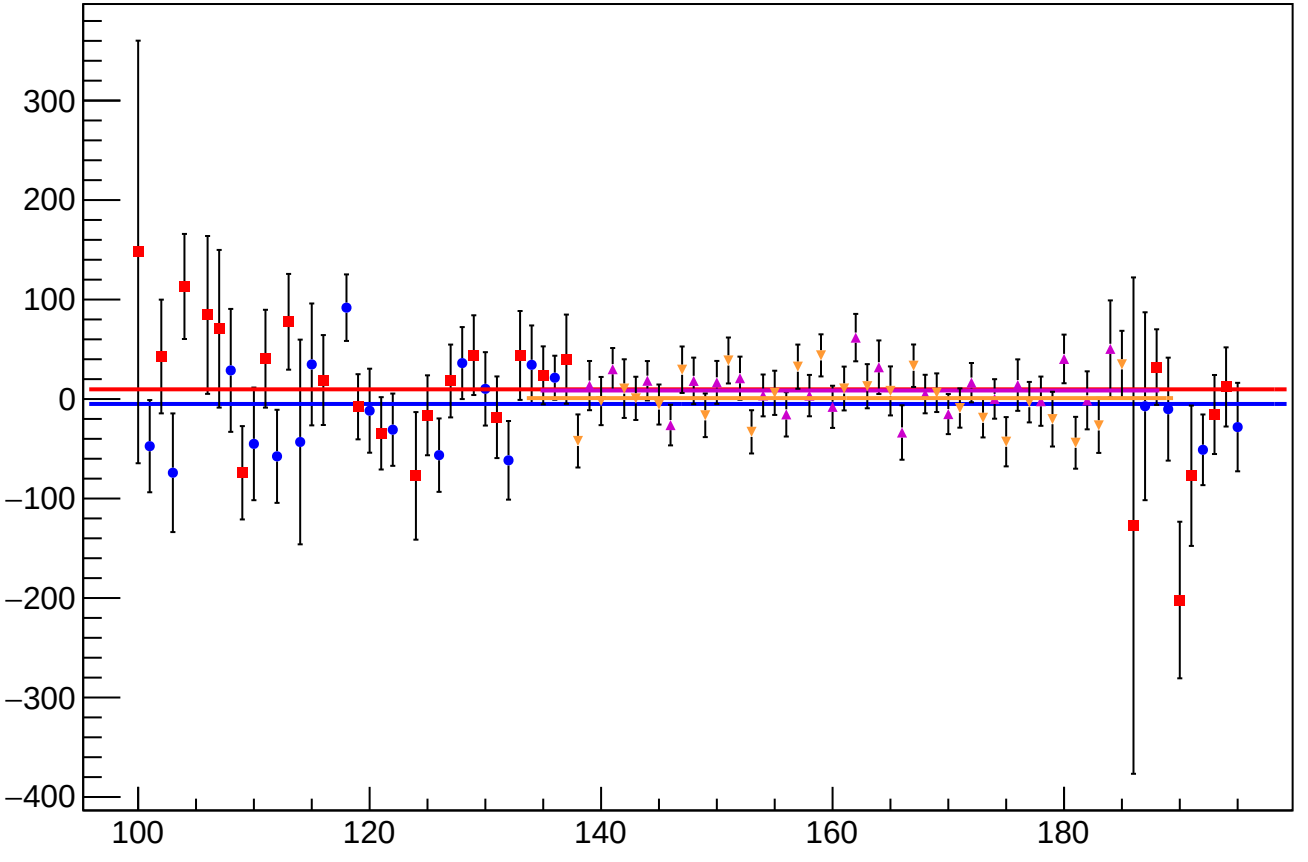
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9759990.0/44

All: 0.000+/-0.000 χ^2/NDF: 21431729.4/92

- sign 0.000+/-0.000 χ^2/NDF: 11512665.3/47

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: 9.757+/-9.197 χ^2/NDF: 28.1/24

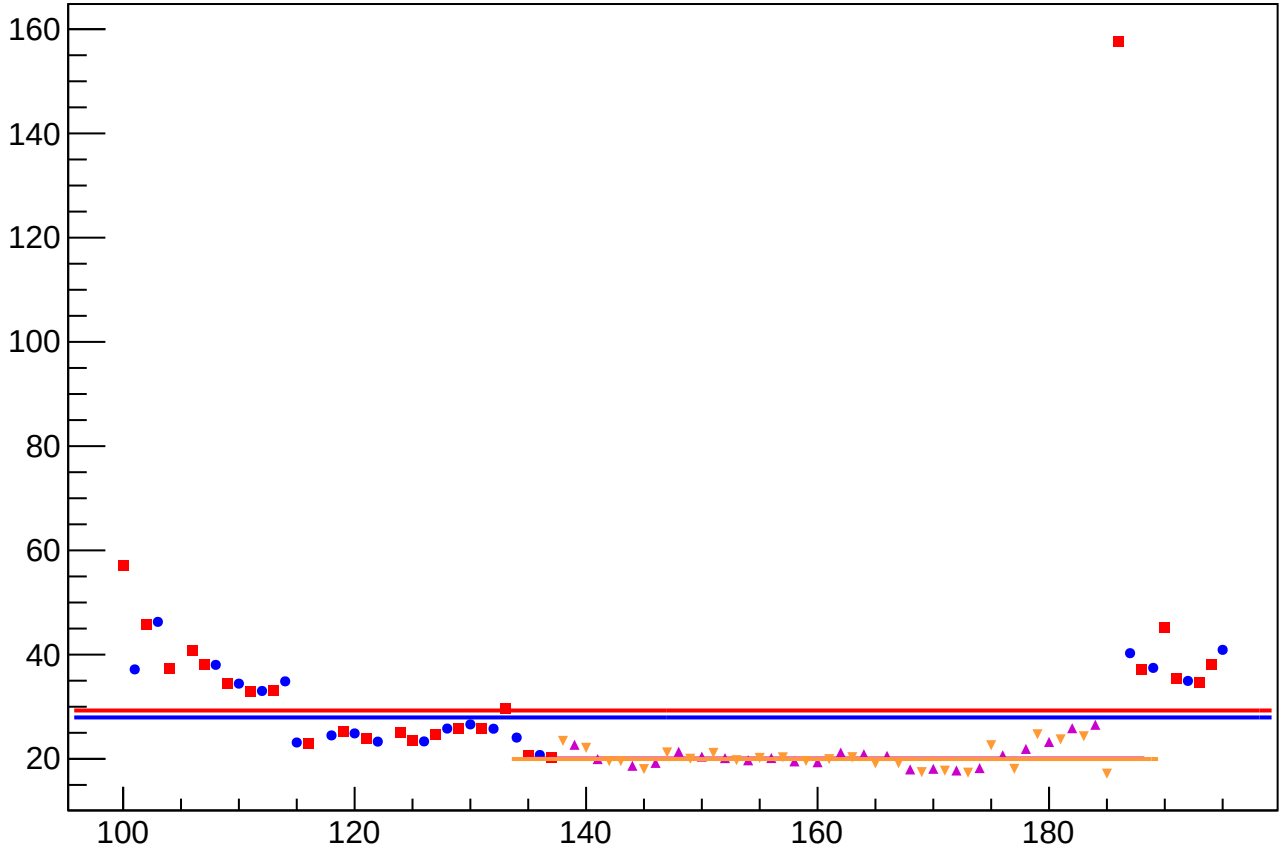
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.235+/-4.100 χ^2/NDF: 53.1/44

All: 4.192+/-2.934 χ^2/NDF: 102.9/92

- sign 8.842+/-4.202 χ^2/NDF: 47.4/47

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

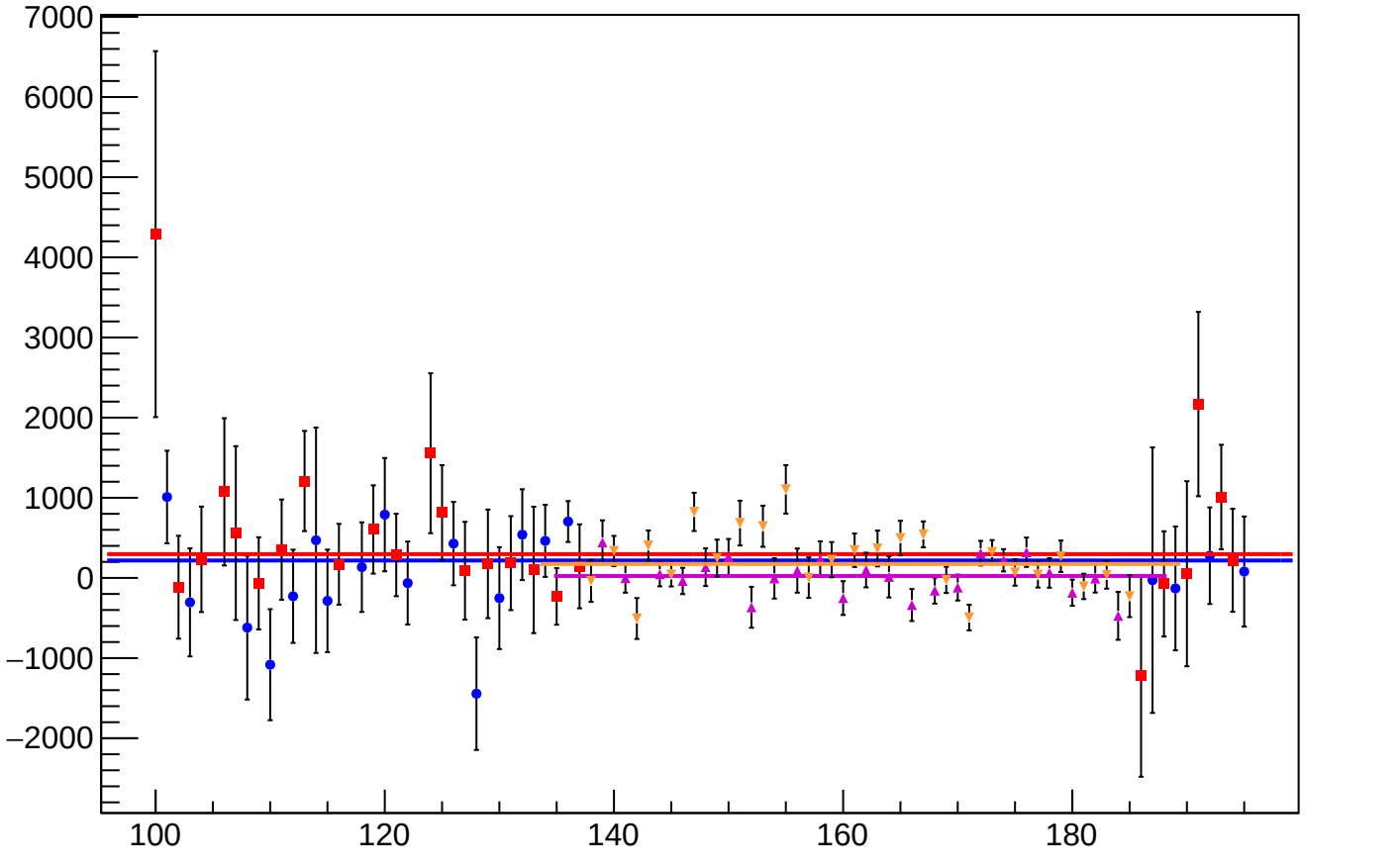
Right Out: 29.282+/-0.007 χ^2/NDF: 1688191.6/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.537+/-0.003 χ^2/NDF: 2667288.9/44

All: 21.760+/-0.002 χ^2/NDF: 6256411.2/92

- sign 21.995+/-0.003 χ^2/NDF: 3576935.9/47



Right In: 217.538+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

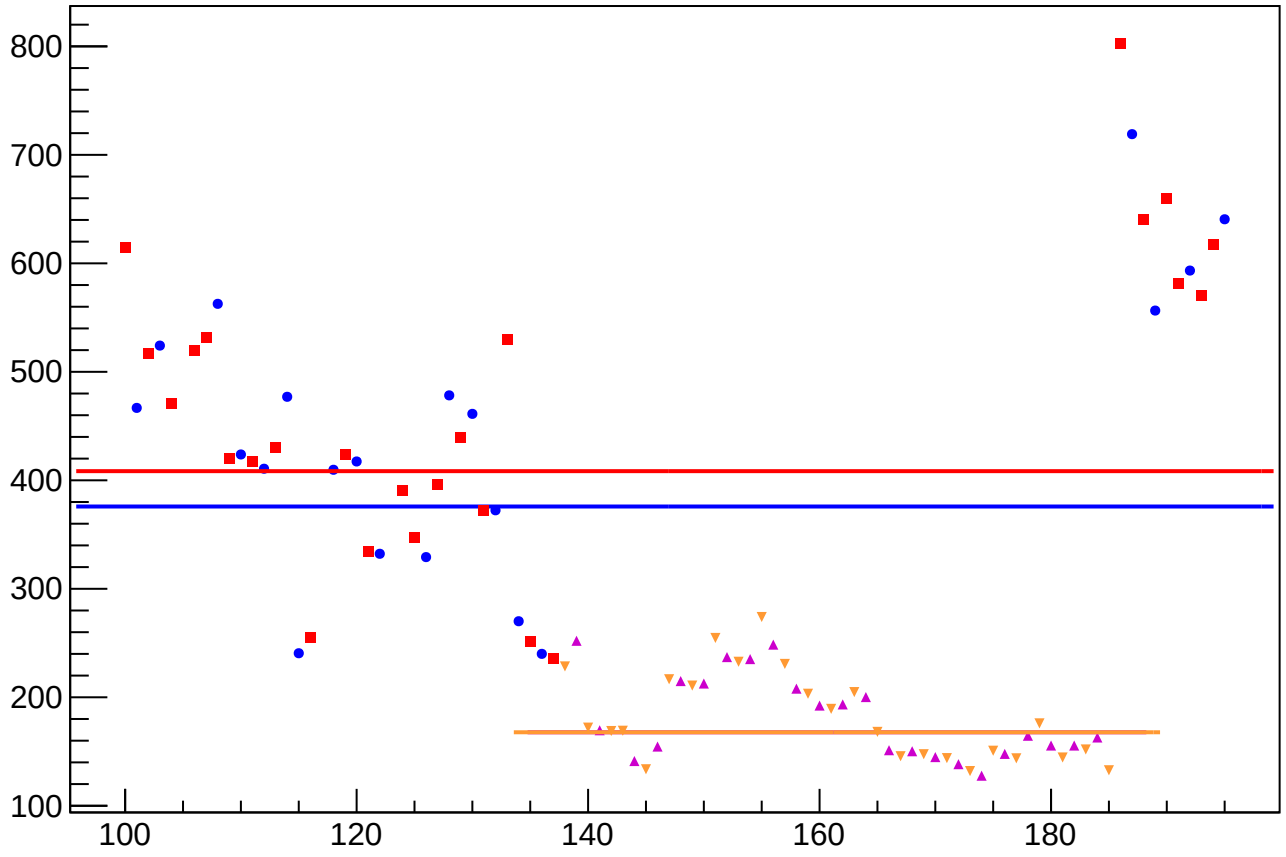
Right Out: 296.791+/-128.802 χ^2/NDF: 17.8/24

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

\+ sign 178.387+/-37.327 χ^2/NDF: 91.3/44

All: 115.102+/-26.719 χ^2/NDF: 145.9/92

\- sign 48.609+/-38.262 χ^2/NDF: 48.7/47



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: 408.448+/-0.091 χ^2/NDF: 1994675.6/24

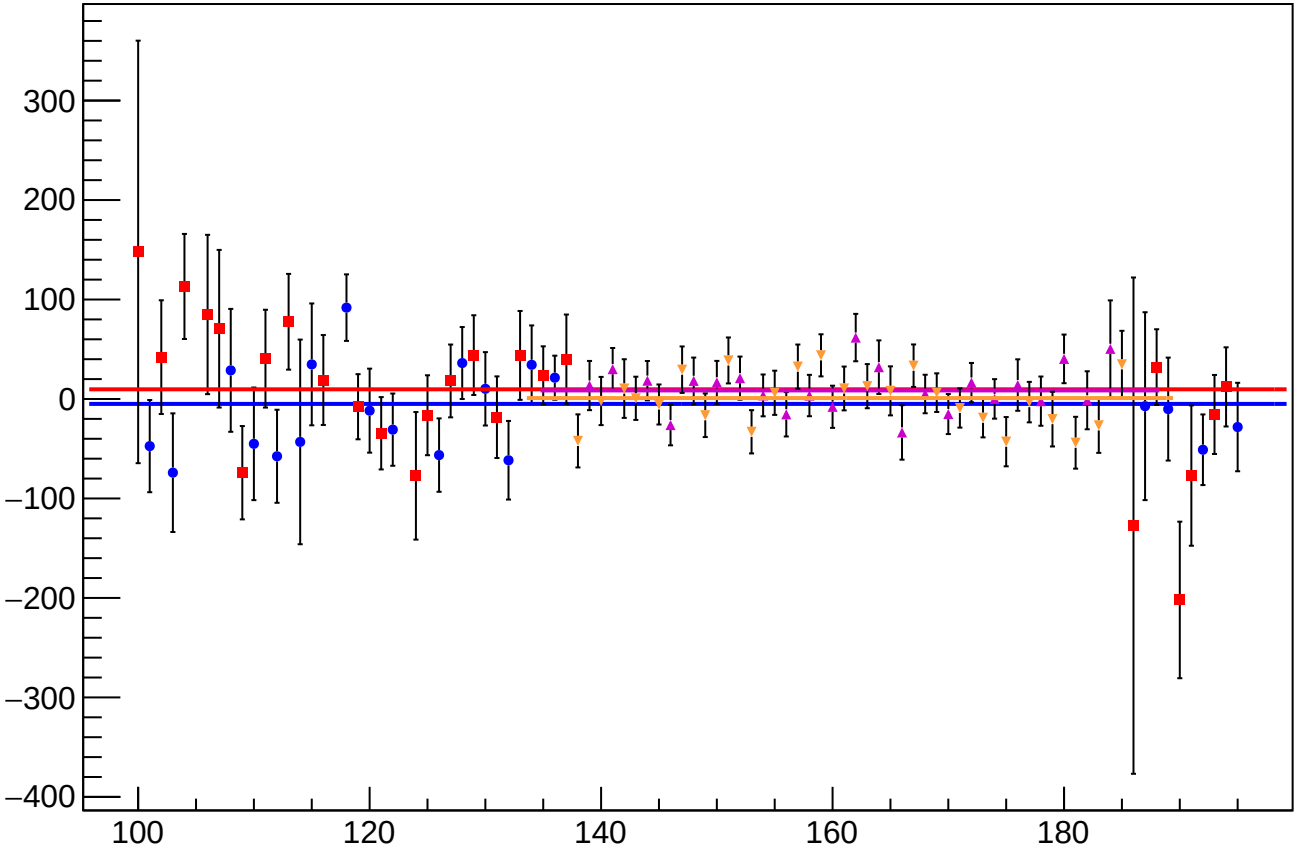
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 185.700+/-0.026 χ^2/NDF: 8379193.8/44

All: 187.303+/-0.019 χ^2/NDF: 18152690.0/92

- sign 188.988+/-0.027 χ^2/NDF: 9765926.6/47

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: 9.724+/-9.198 χ^2/NDF: 28.0/24

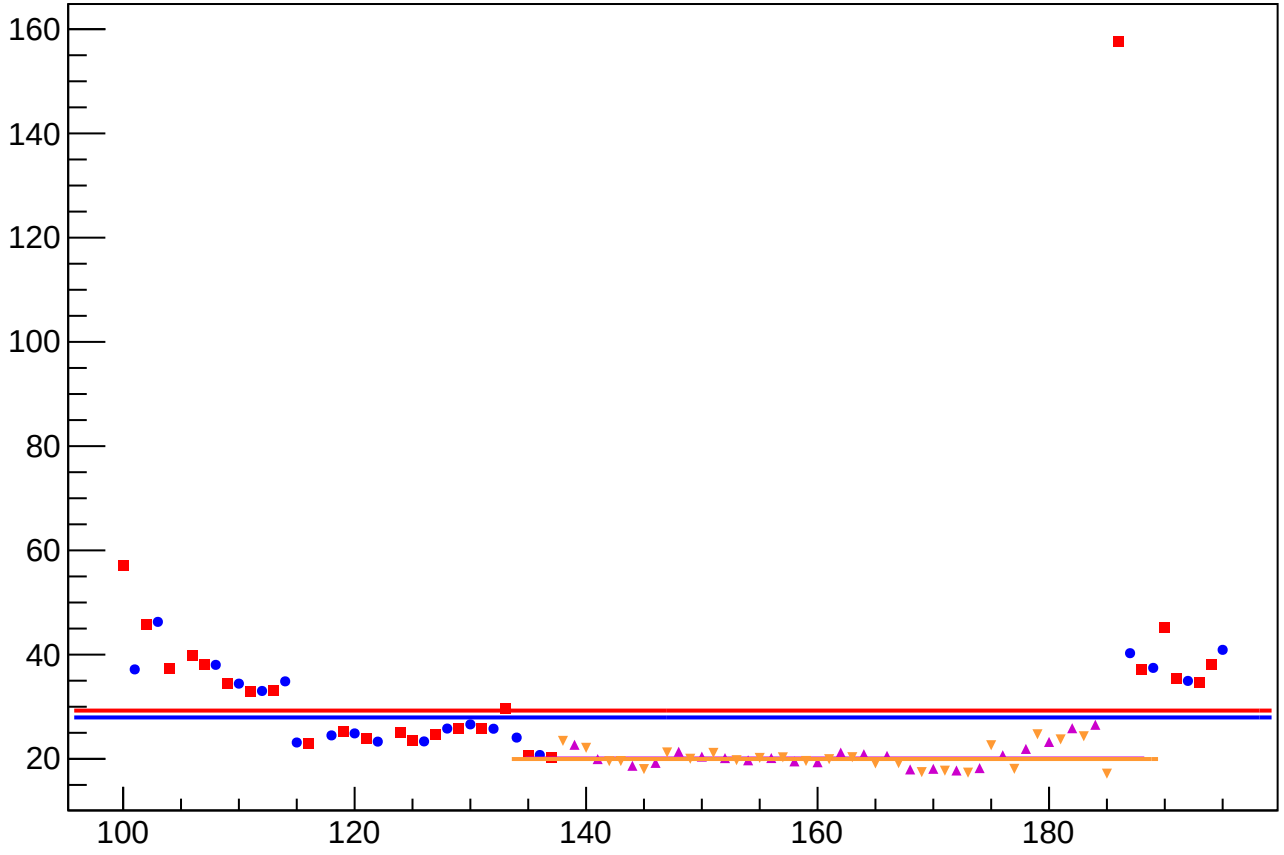
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.236+/-4.100 χ^2/NDF: 53.1/44

All: 4.188+/-2.934 χ^2/NDF: 102.9/92

\- sign 8.835+/-4.202 χ^2/NDF: 47.4/47

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

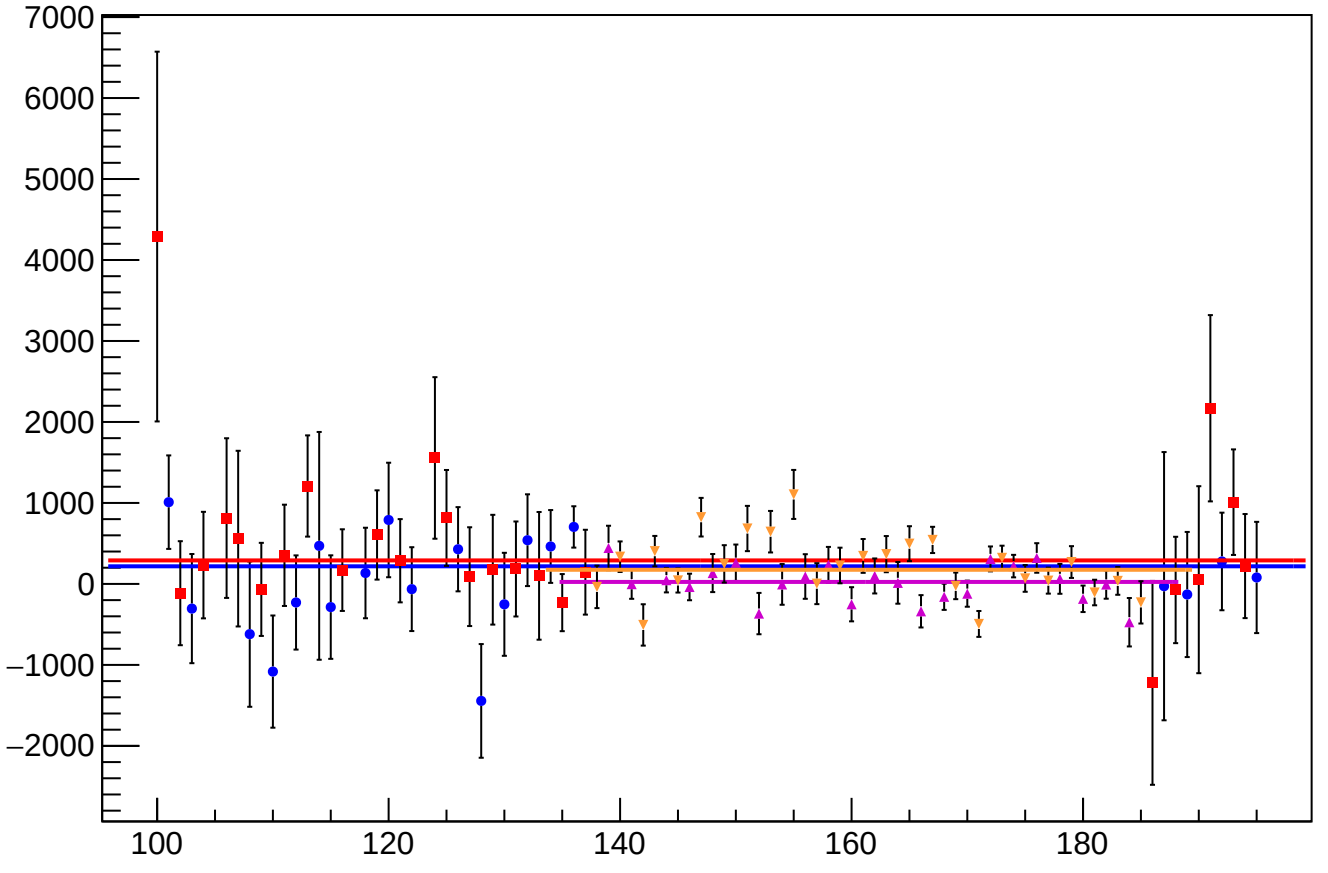
Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.537+/-0.003 χ^2/NDF: 2667292.2/44

All: 21.758+/-0.002 χ^2/NDF: 6242019.1/92

- sign 21.991+/-0.003 χ^2/NDF: 3562750.3/47



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: 290.379+/-128.972 χ^2/NDF: 17.3/24

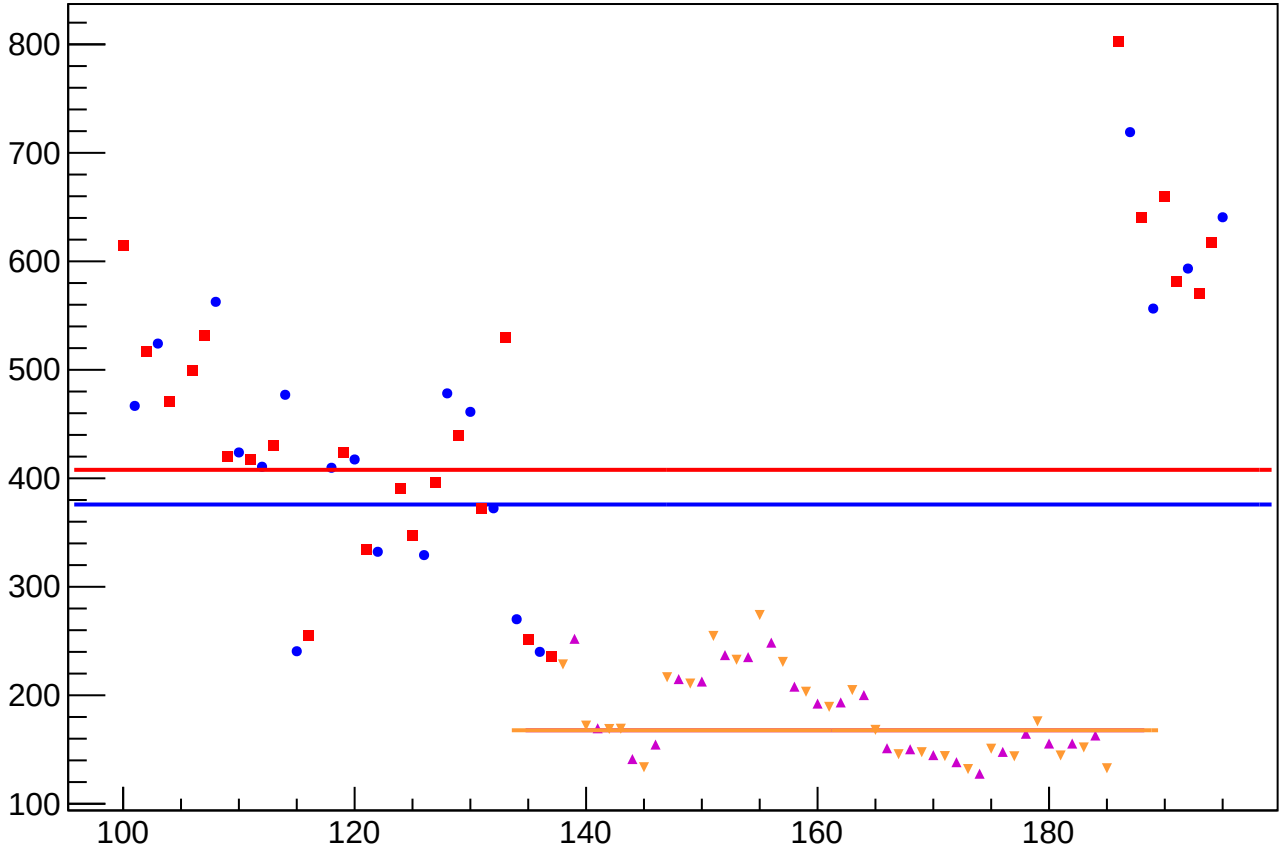
Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

\+ sign 178.385+/-37.327 χ^2/NDF: 91.3/44

All: 114.805+/-26.720 χ^2/NDF: 145.3/92

\- sign 47.988+/-38.266 χ^2/NDF: 48.1/47

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 375.857+/-0.090 χ^2/NDF: 1902816.6/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

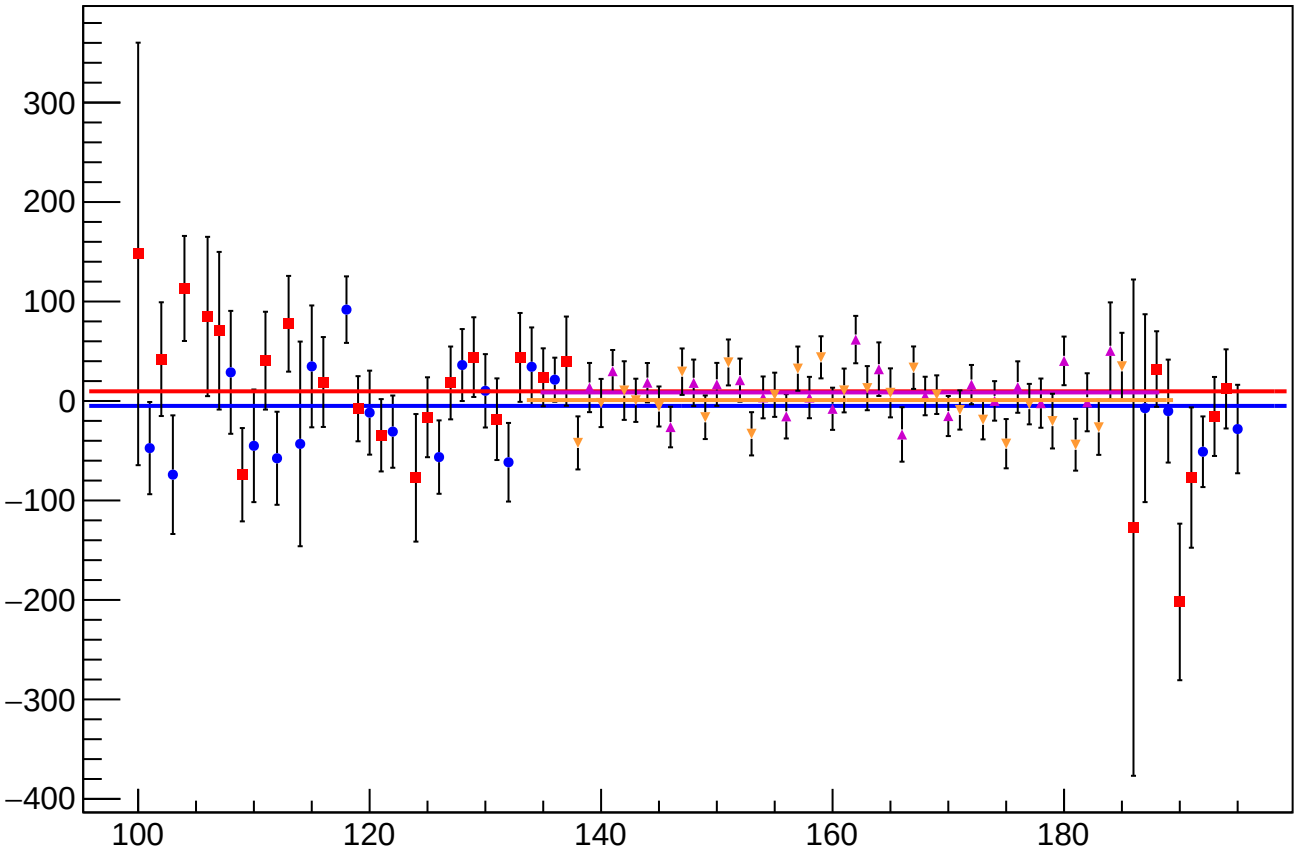
Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 185.699+/-0.026 χ^2/NDF: 8379216.8/44

All: 187.251+/-0.019 χ^2/NDF: 18091503.4/92

- sign 188.882+/-0.027 χ^2/NDF: 9705199.1/47



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: 9.724+/-9.198 χ^2/NDF: 28.0/24

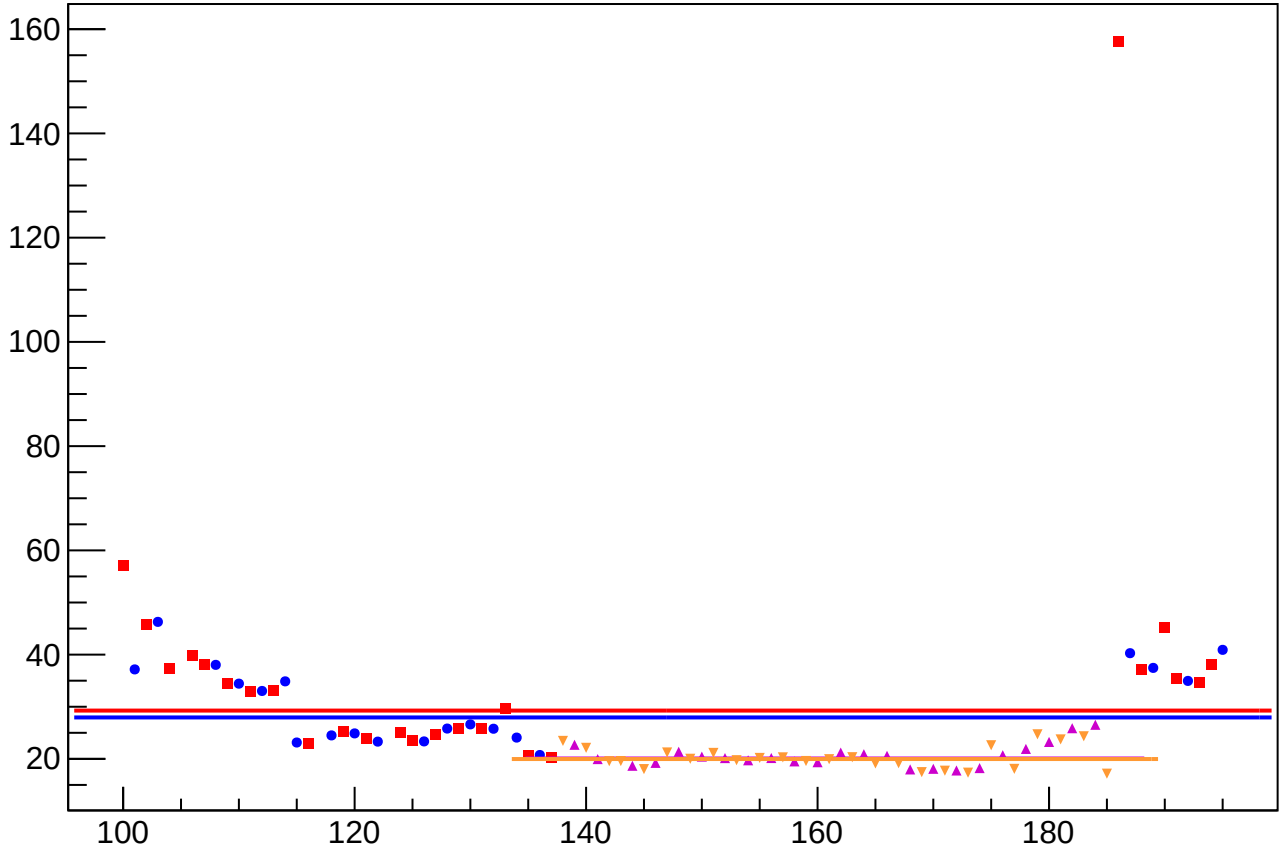
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.236+/-4.100 χ^2/NDF: 53.1/44

All: 4.188+/-2.934 χ^2/NDF: 102.9/92

- sign 8.835+/-4.202 χ^2/NDF: 47.4/47

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

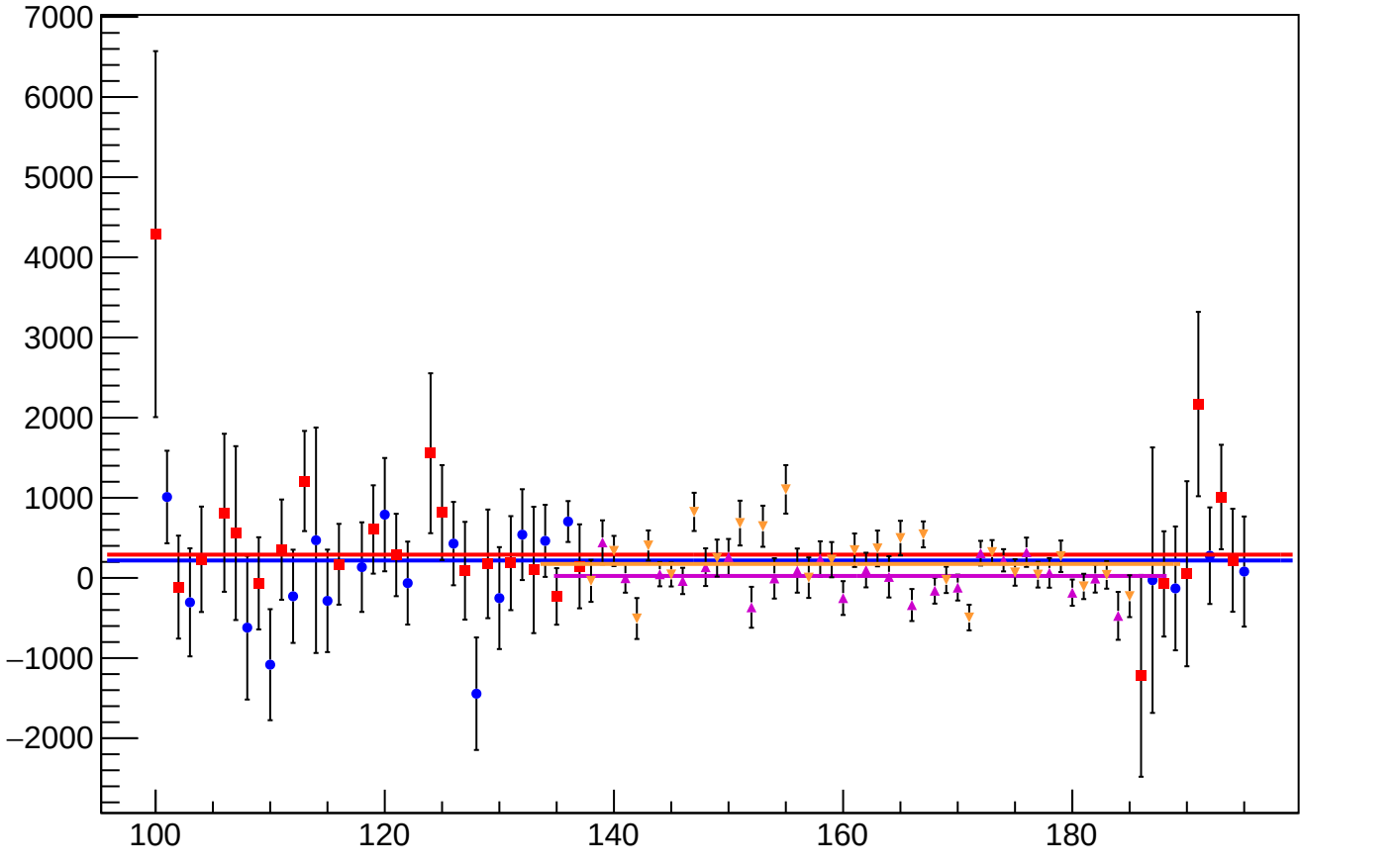
Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.537+/-0.003 χ^2/NDF: 2667292.2/44

All: 21.758+/-0.002 χ^2/NDF: 6242019.1/92

- sign 21.991+/-0.003 χ^2/NDF: 3562750.3/47



Right In: 217.531+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

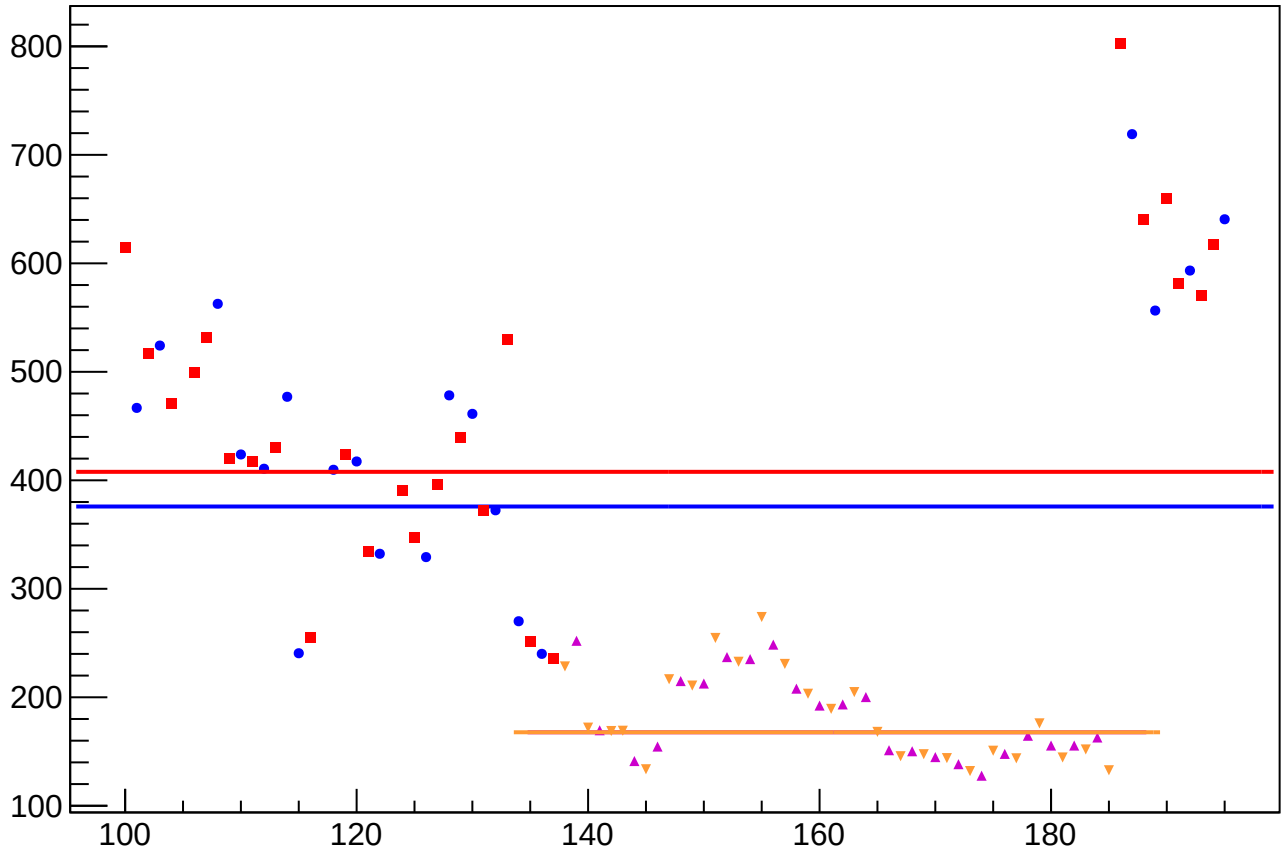
Right Out: 290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.385+/-37.327 χ^2/NDF: 91.3/44

All: 114.805+/-26.720 χ^2/NDF: 145.3/92

- sign 47.988+/-38.266 χ^2/NDF: 48.1/47



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: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

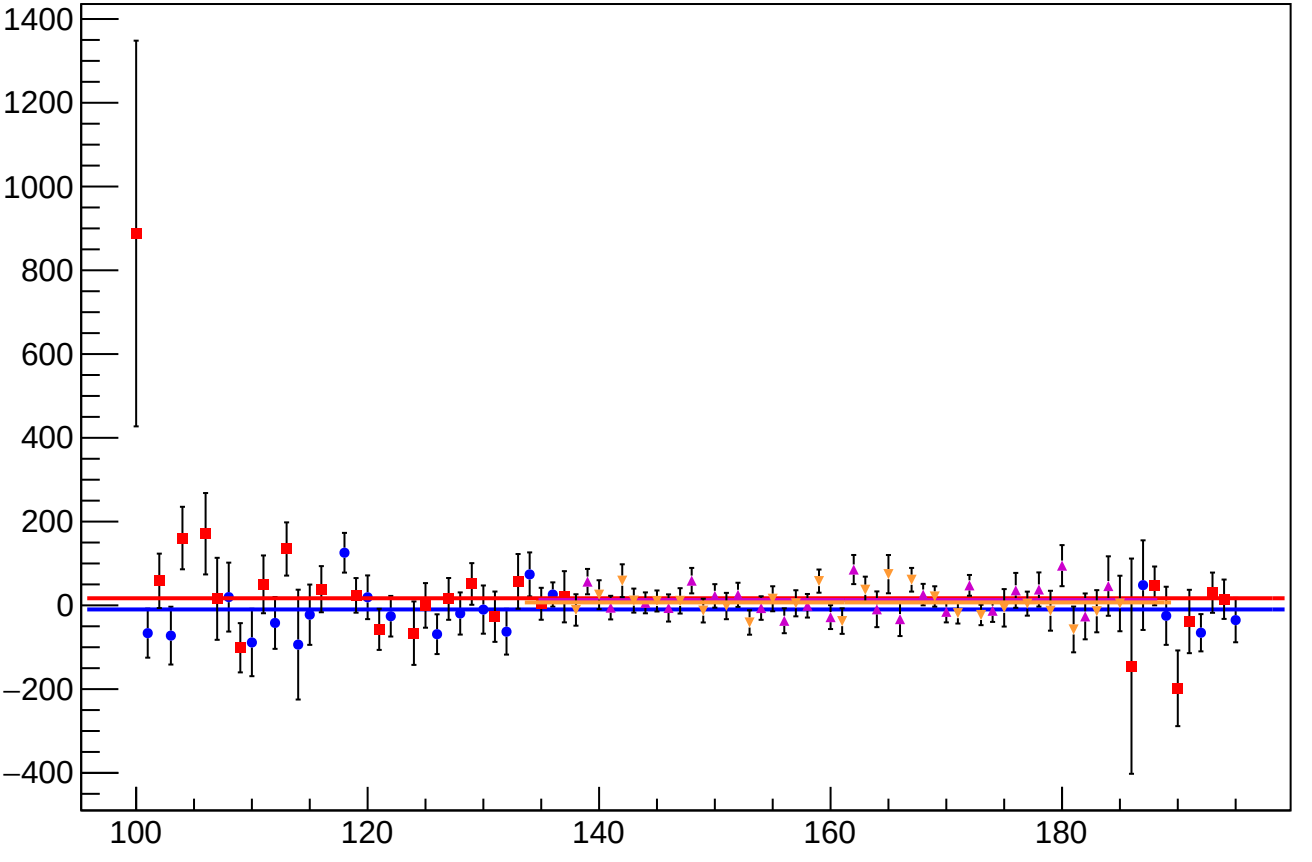
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 185.699+/-0.026 χ^2/NDF: 8379216.8/44

All: 187.251+/-0.019 χ^2/NDF: 18091503.4/92

- sign 188.882+/-0.027 χ^2/NDF: 9705199.1/47

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: 16.939+/-11.807 χ^2/NDF: 30.3/24

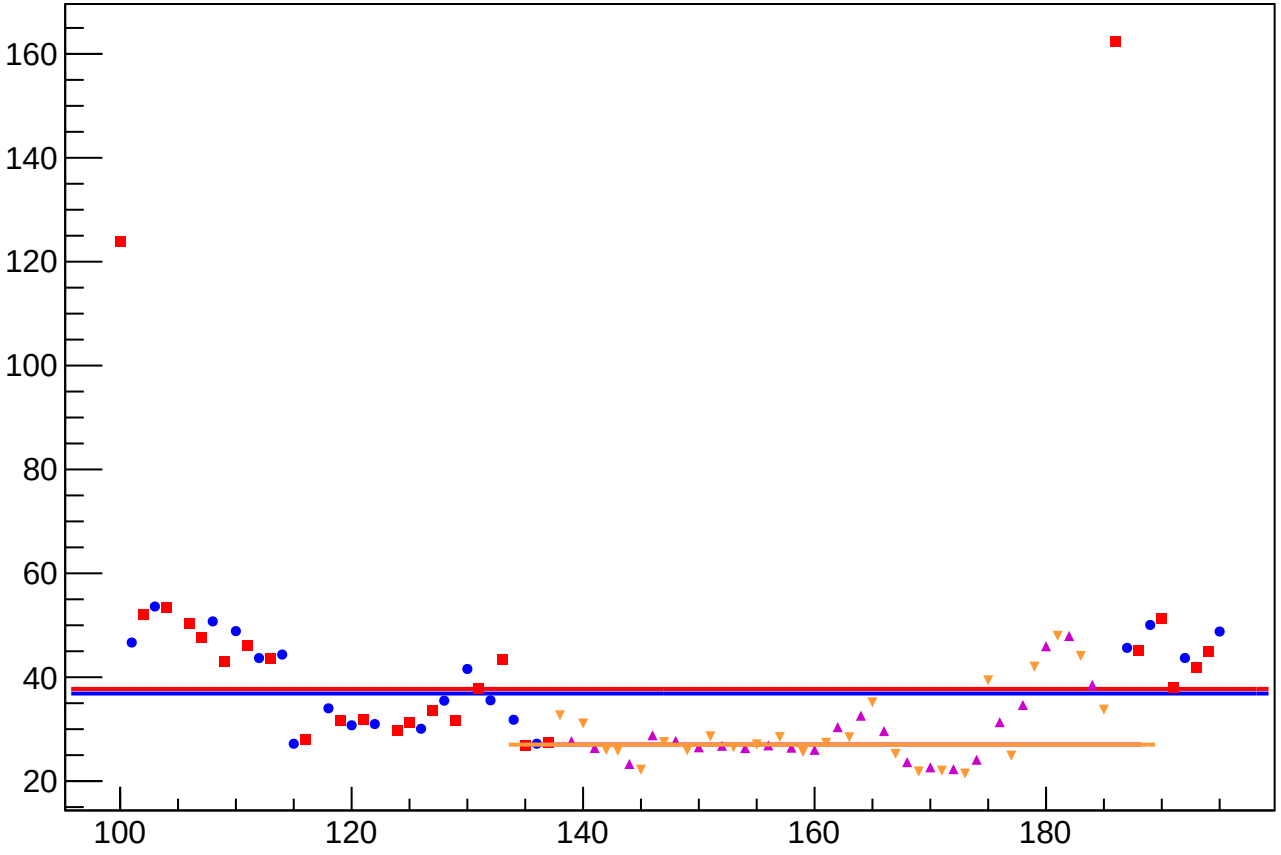
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.500+/-5.620 χ^2/NDF: 45.1/44

All: 8.518+/-4.003 χ^2/NDF: 102.7/92

- sign 13.687+/-5.703 χ^2/NDF: 56.0/47

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

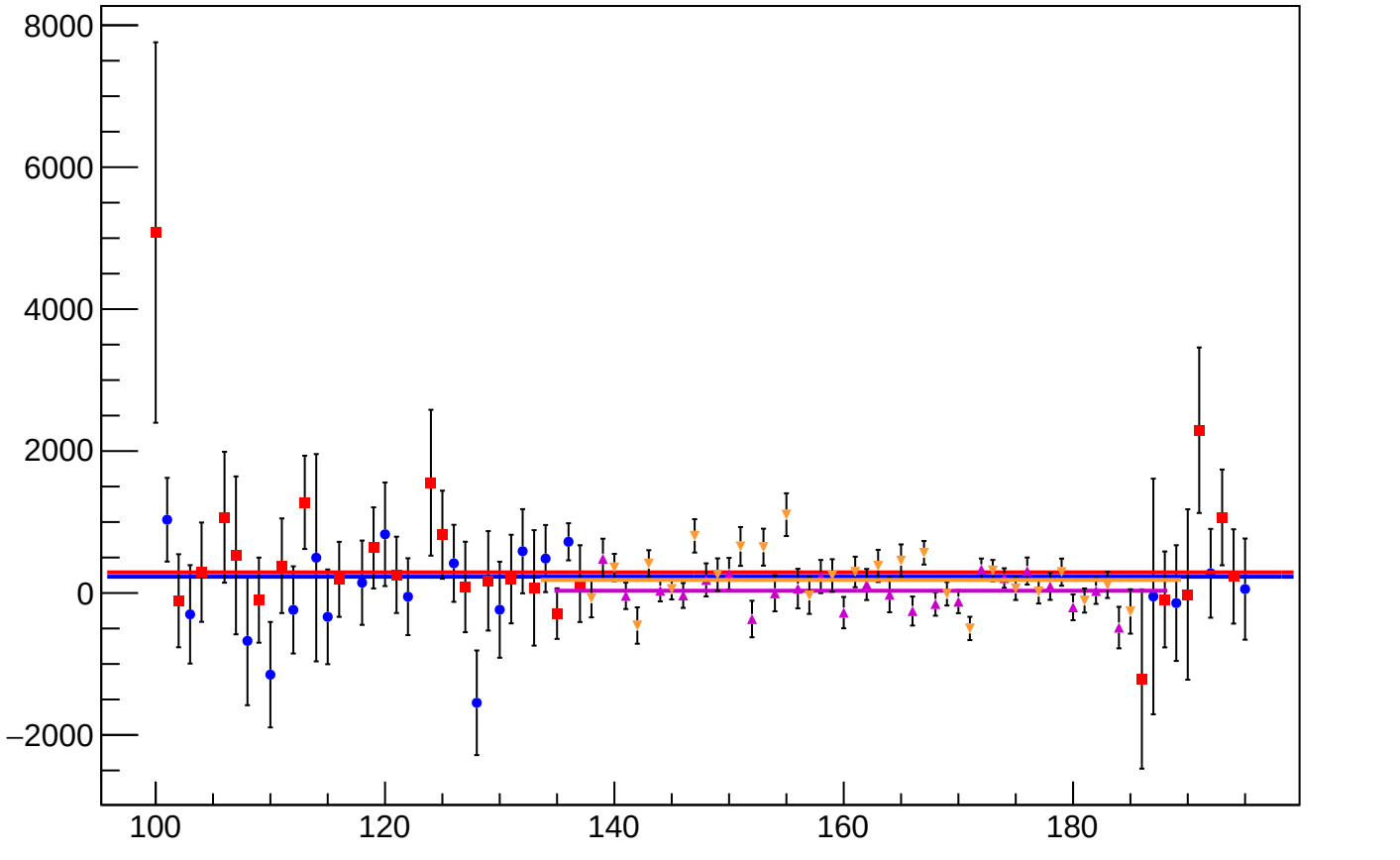
Right Out: 37.748+/-0.008 χ^2/NDF: 1461273.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.118+/-0.004 χ^2/NDF: 3394379.8/44

All: 29.330+/-0.003 χ^2/NDF: 7164116.3/92

- sign 29.548+/-0.004 χ^2/NDF: 3763974.5/47



Right In: 229.228+/-132.207 χ^2/NDF: 20.1/19

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

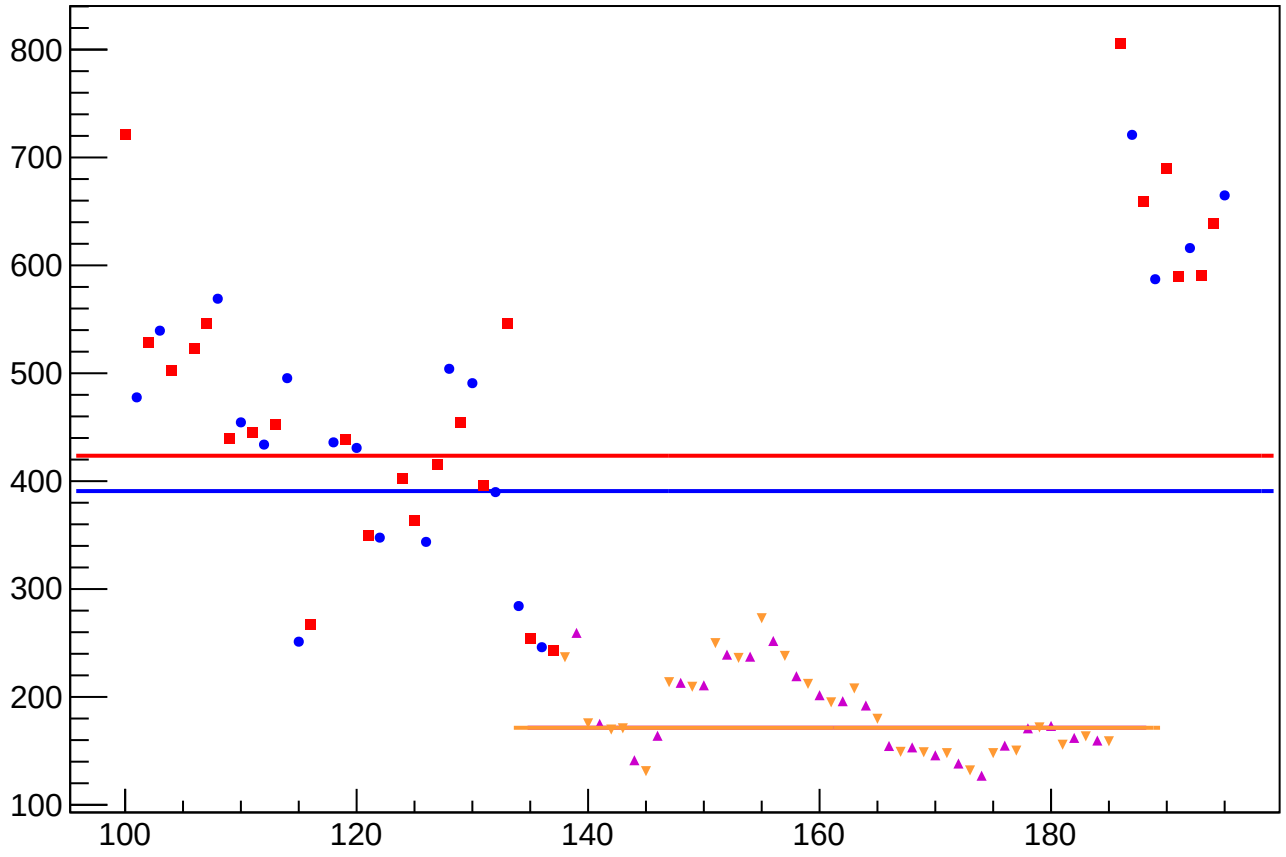
Right Out: 291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.382+/-38.139 χ^2/NDF: 87.9/44

All: 123.082+/-27.326 χ^2/NDF: 142.4/92

- sign 54.193+/-39.172 χ^2/NDF: 48.6/47



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: 423.567+/-0.094 χ^2/NDF: 2014379.6/24

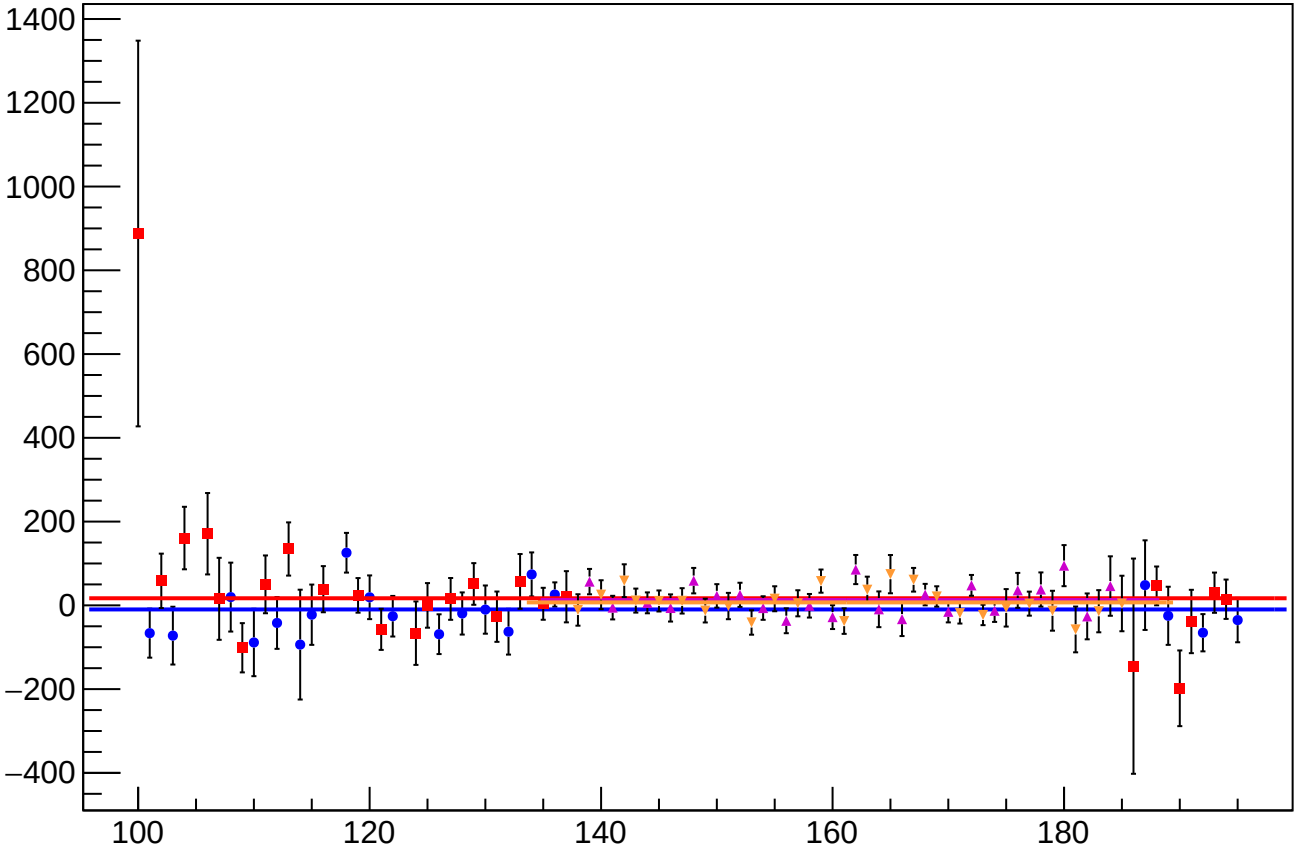
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 189.683+/-0.027 χ^2/NDF: 8510664.4/44

All: 191.385+/-0.019 χ^2/NDF: 18462447.7/92

- sign 193.181+/-0.028 χ^2/NDF: 9943597.2/47

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: 16.938+/-11.807 χ^2/NDF: 30.3/24

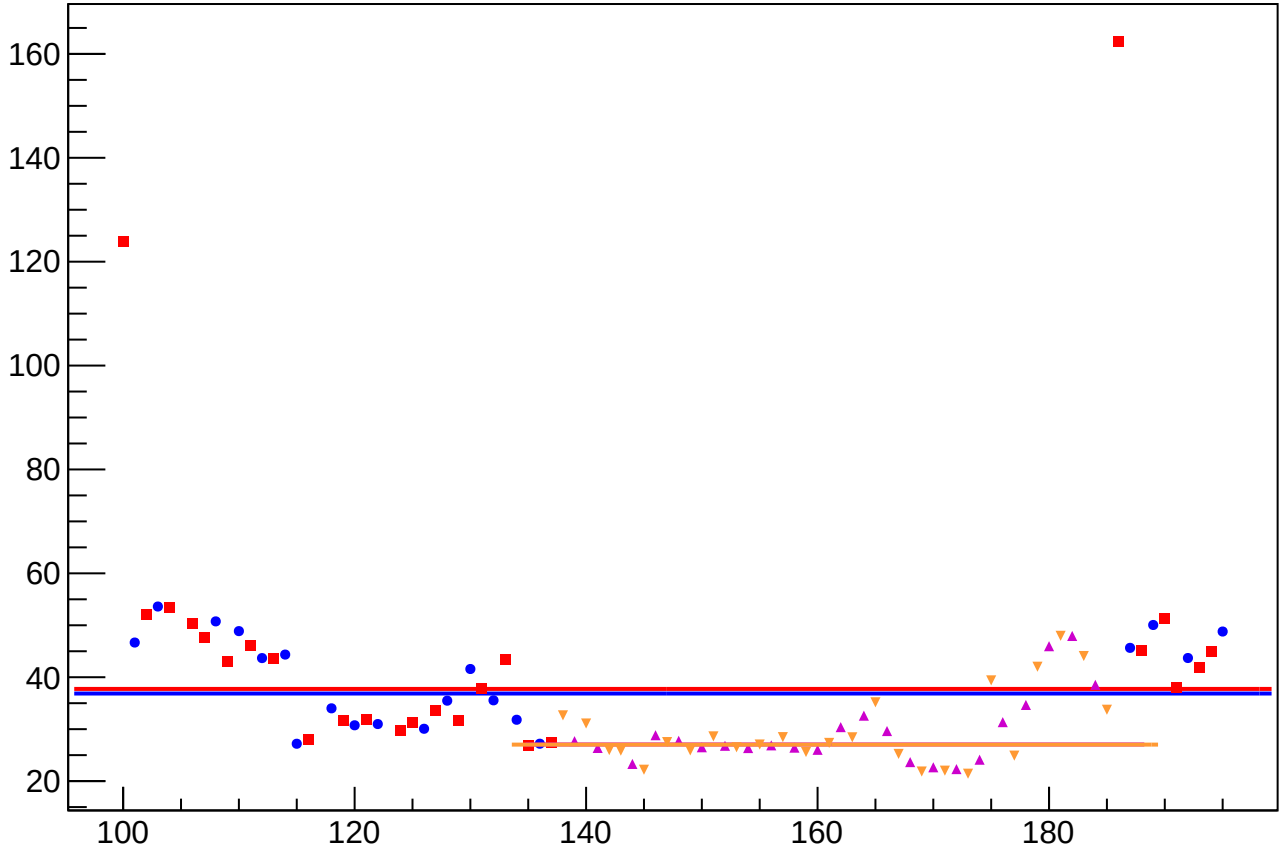
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.500+/-5.620 χ^2/NDF: 45.1/44

All: 8.518+/-4.003 χ^2/NDF: 102.7/92

- sign 13.686+/-5.703 χ^2/NDF: 56.0/47

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

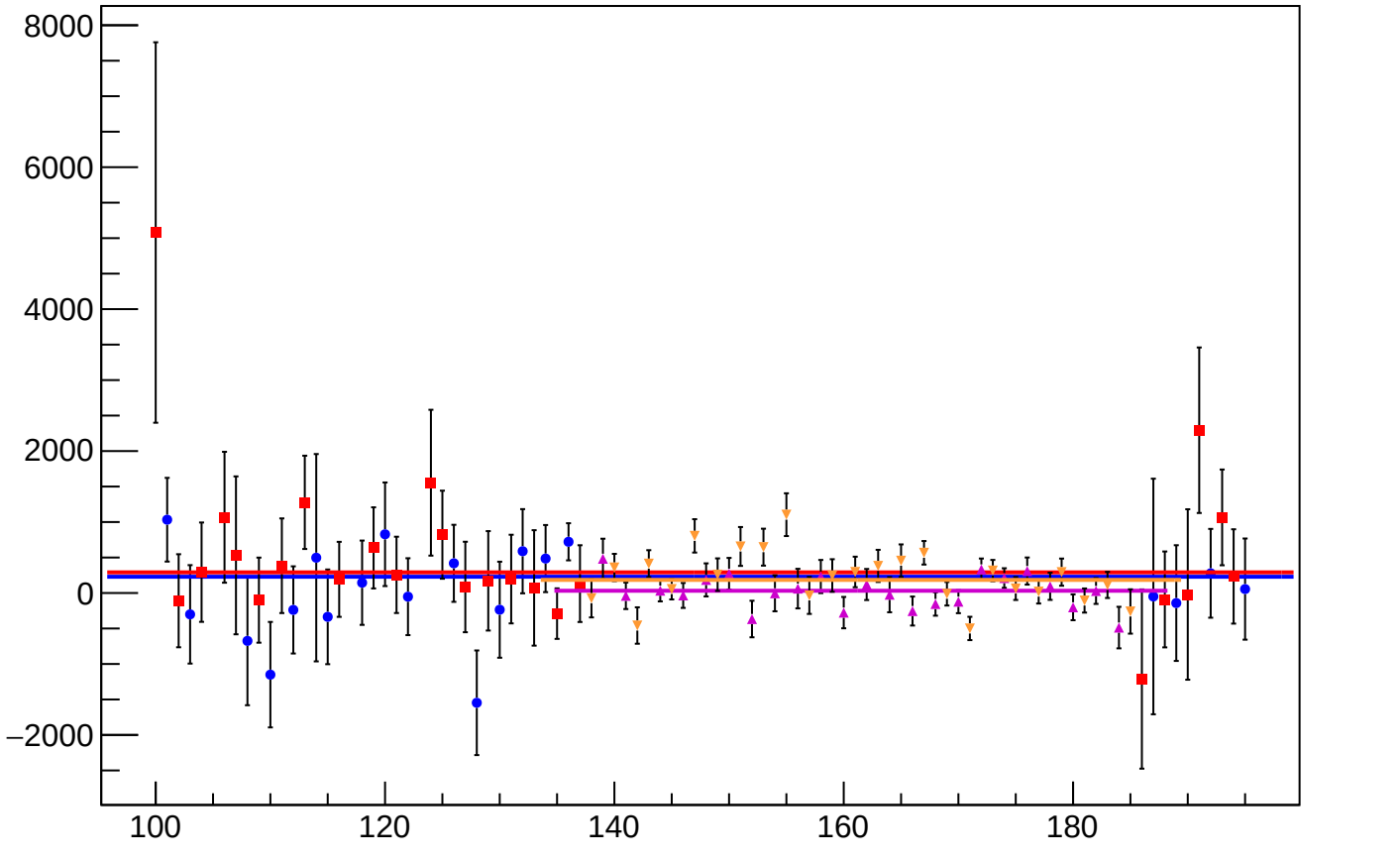
Right Out: 37.748+/-0.008 χ^2/NDF: 1461264.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.118+/-0.004 χ^2/NDF: 3394274.8/44

All: 29.330+/-0.003 χ^2/NDF: 7163892.9/92

- sign 29.548+/-0.004 χ^2/NDF: 3763856.6/47



Right In: 229.226+/-132.206 χ^2/NDF: 20.1/19

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

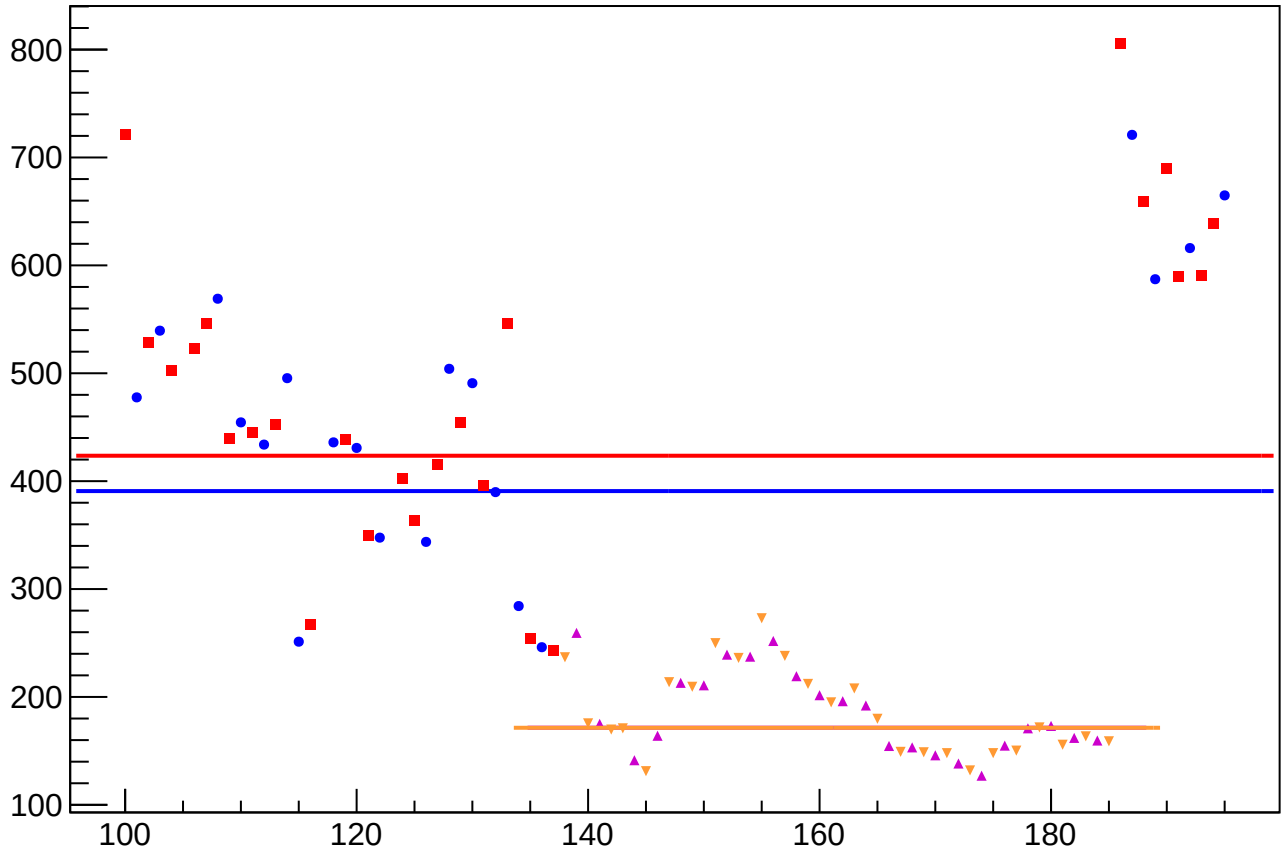
Right Out: 291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.382+/-38.138 χ^2/NDF: 87.9/44

All: 123.081+/-27.326 χ^2/NDF: 142.4/92

- sign 54.193+/-39.172 χ^2/NDF: 48.6/47



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: 423.566+/-0.094 χ^2/NDF: 2014382.2/24

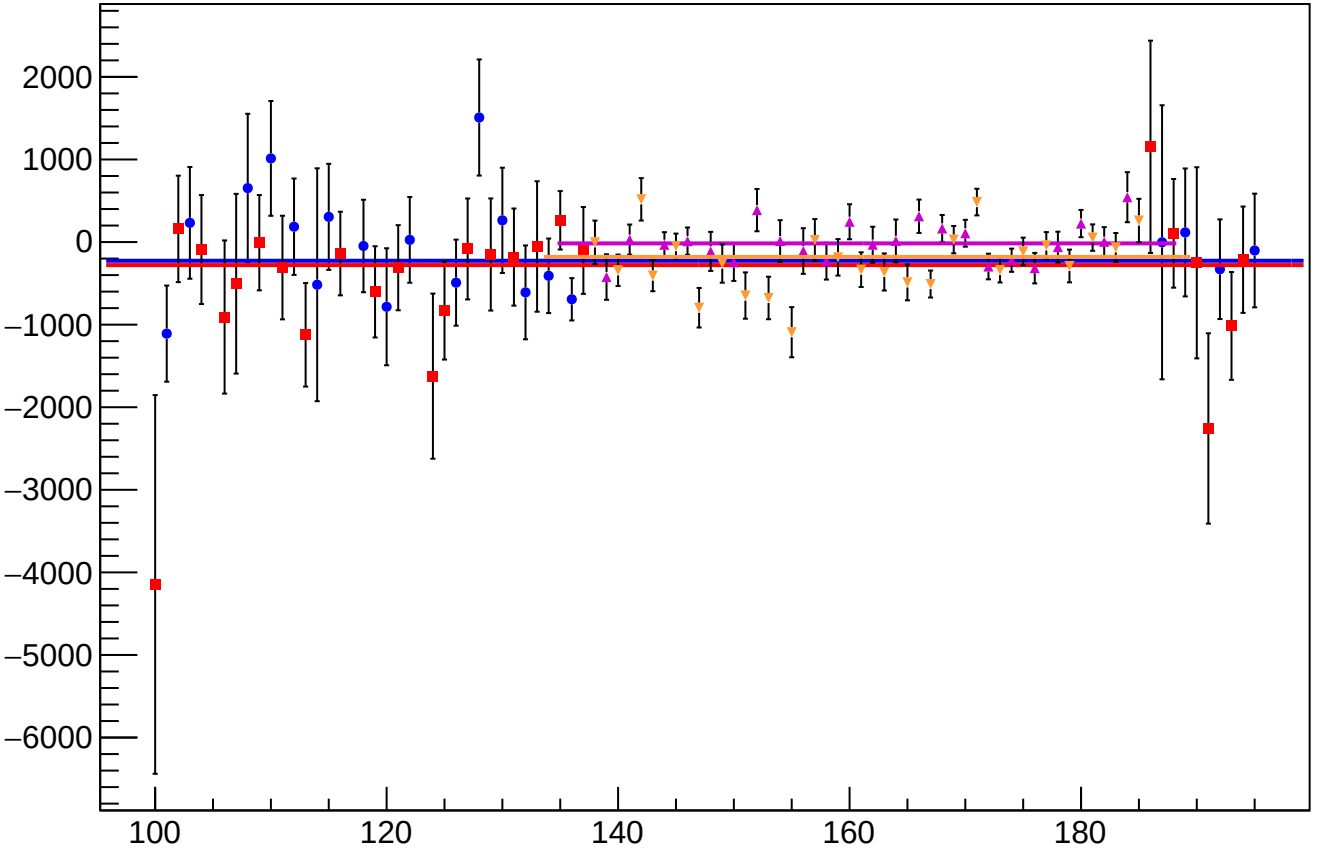
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 189.683+/-0.027 χ^2/NDF: 8510687.0/44

All: 191.385+/-0.019 χ^2/NDF: 18462498.7/92

- sign 193.180+/-0.028 χ^2/NDF: 9943626.1/47

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: -278.800+/-129.217 χ^2/NDF: 17.5/24

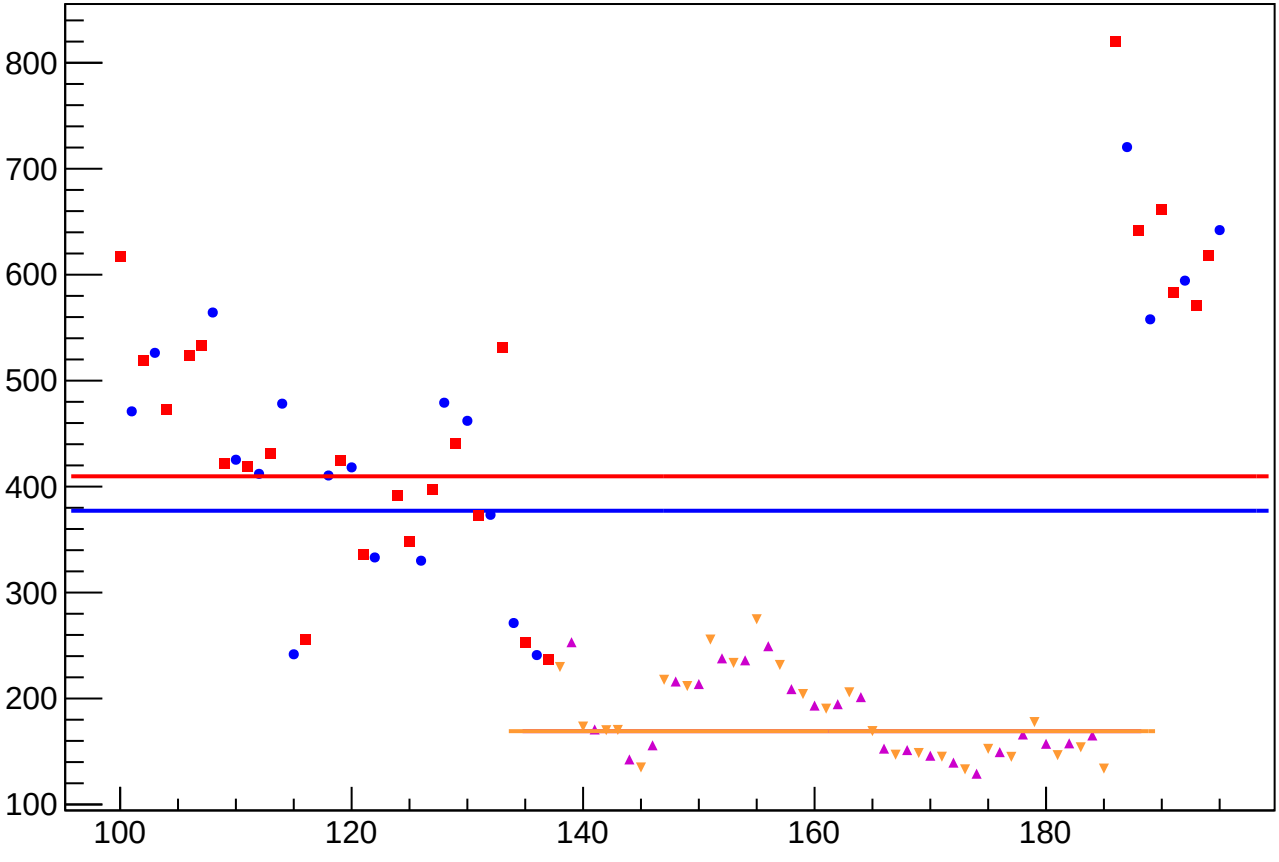
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.723+/-37.613 χ^2/NDF: 87.4/44

All: -113.372+/-26.924 χ^2/NDF: 142.5/92

- sign -39.450+/-38.556 χ^2/NDF: 47.9/47

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

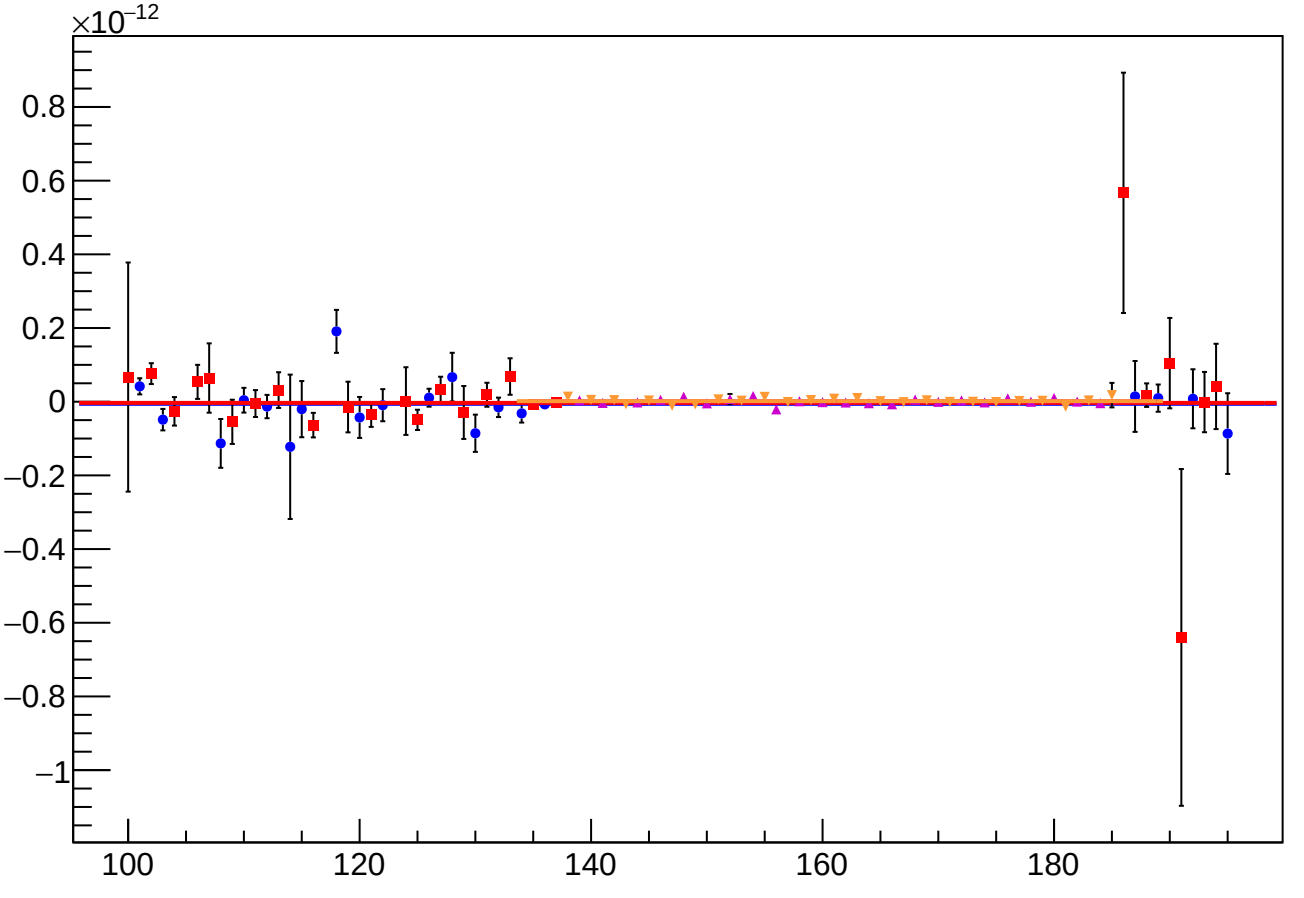
Right Out: 409.716+/-0.091 χ^2/NDF: 1997822.6/24

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 187.274+/-0.027 χ^2/NDF: 8303514.9/44

All: 188.896+/-0.019 χ^2/NDF: 17996348.4/92

- sign 190.602+/-0.027 χ^2/NDF: 9685197.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

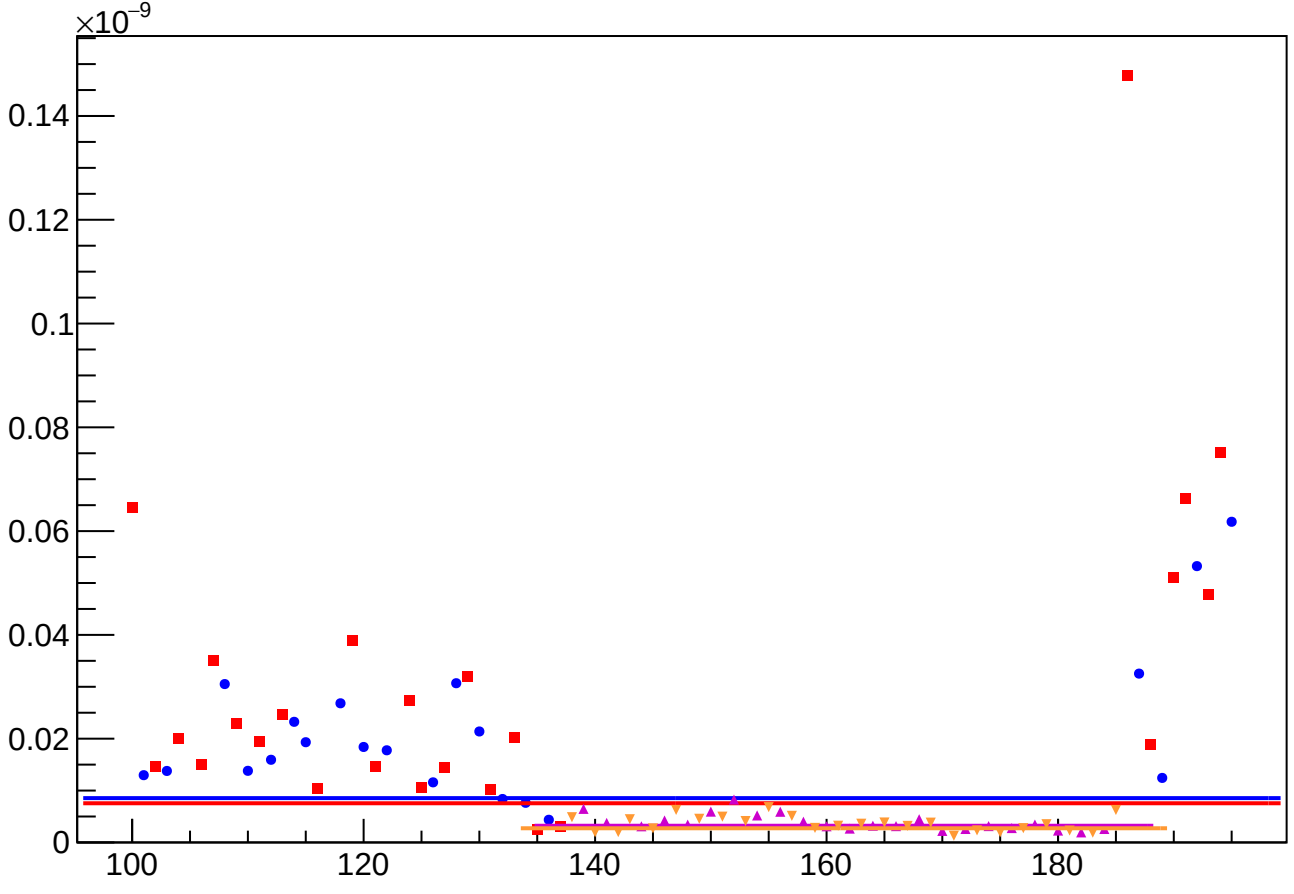
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/24

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: 98.2/92

- sign 0.000+/-0.000 χ^2/NDF: 49.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3210480.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

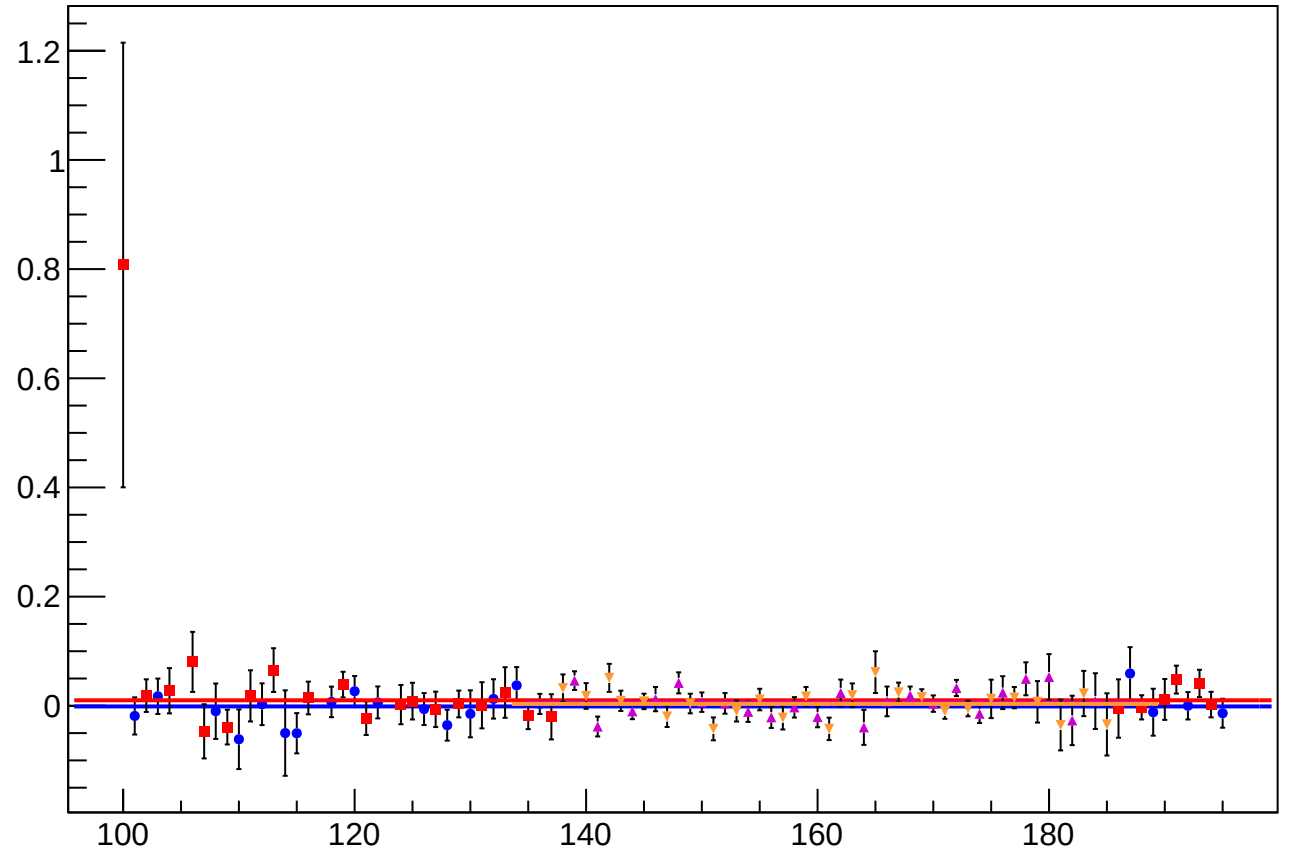
Right Out: 0.000+/-0.000 χ^2/NDF: 5491193.3/24

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: 15401759.2/92

- sign 0.000+/-0.000 χ^2/NDF: 8039946.1/47



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: 0.010+/-0.006 χ^2/NDF: 20.7/24

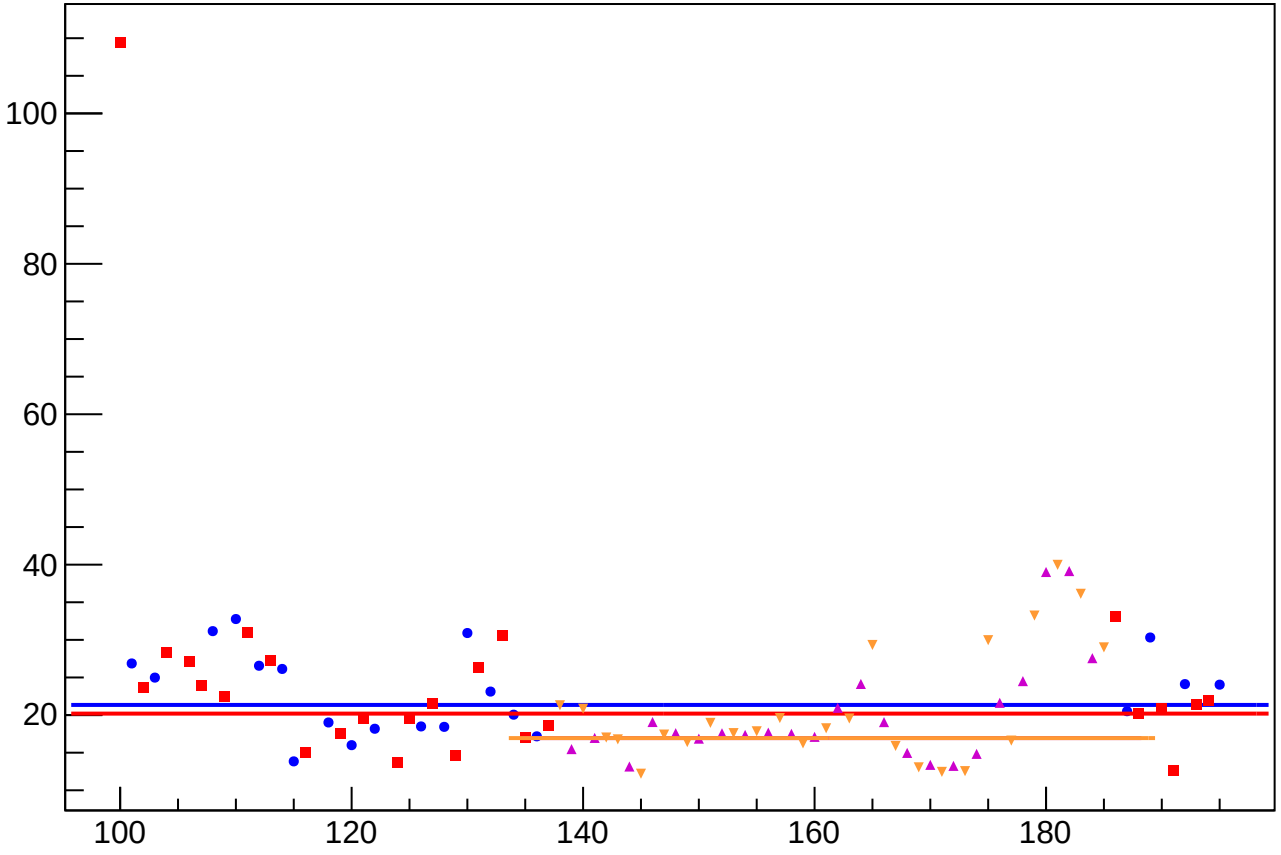
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.005+/-0.002 χ^2/NDF: 92.5/92

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47

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

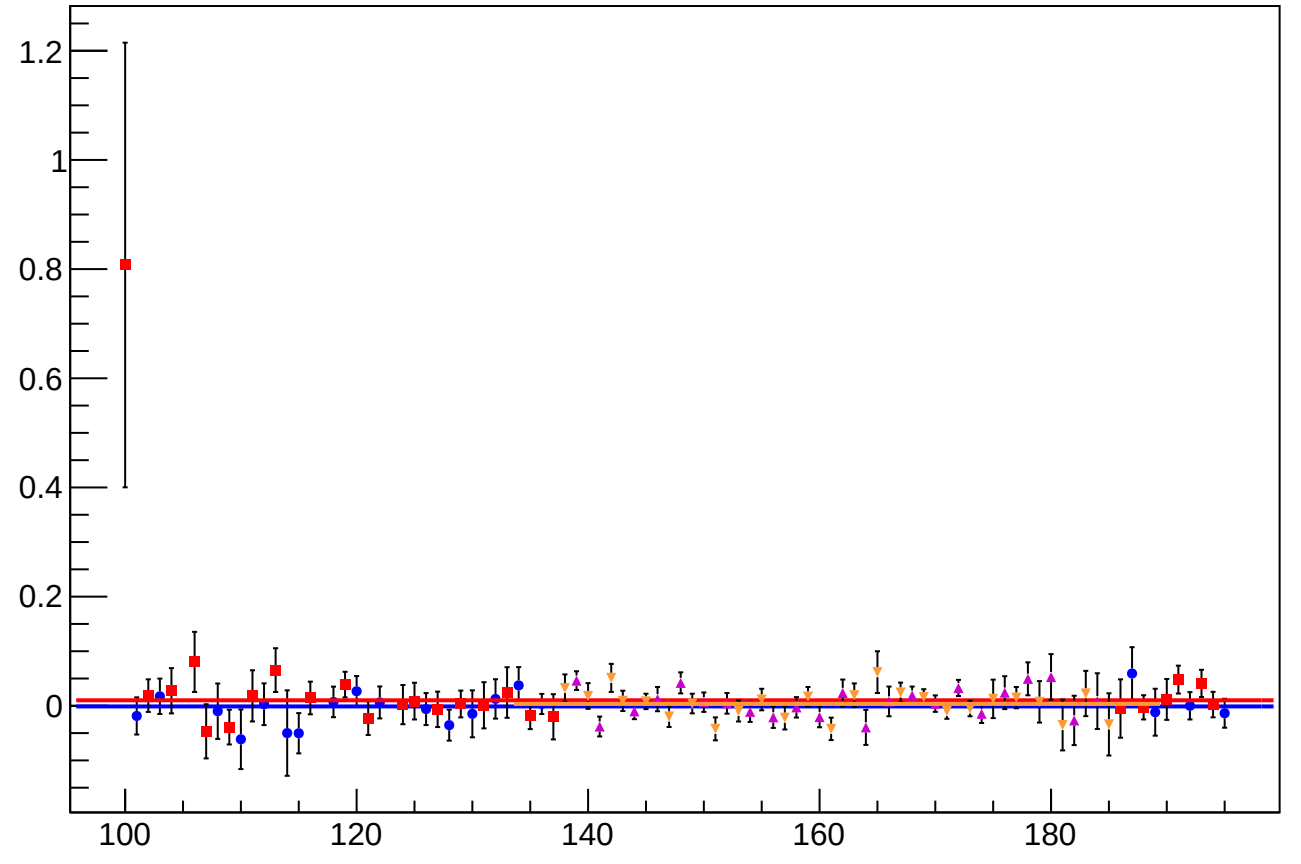
Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265803.6/44

All: 17.964+/-0.002 χ^2/NDF: 7743970.0/92

- sign 17.911+/-0.002 χ^2/NDF: 3477244.9/47



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

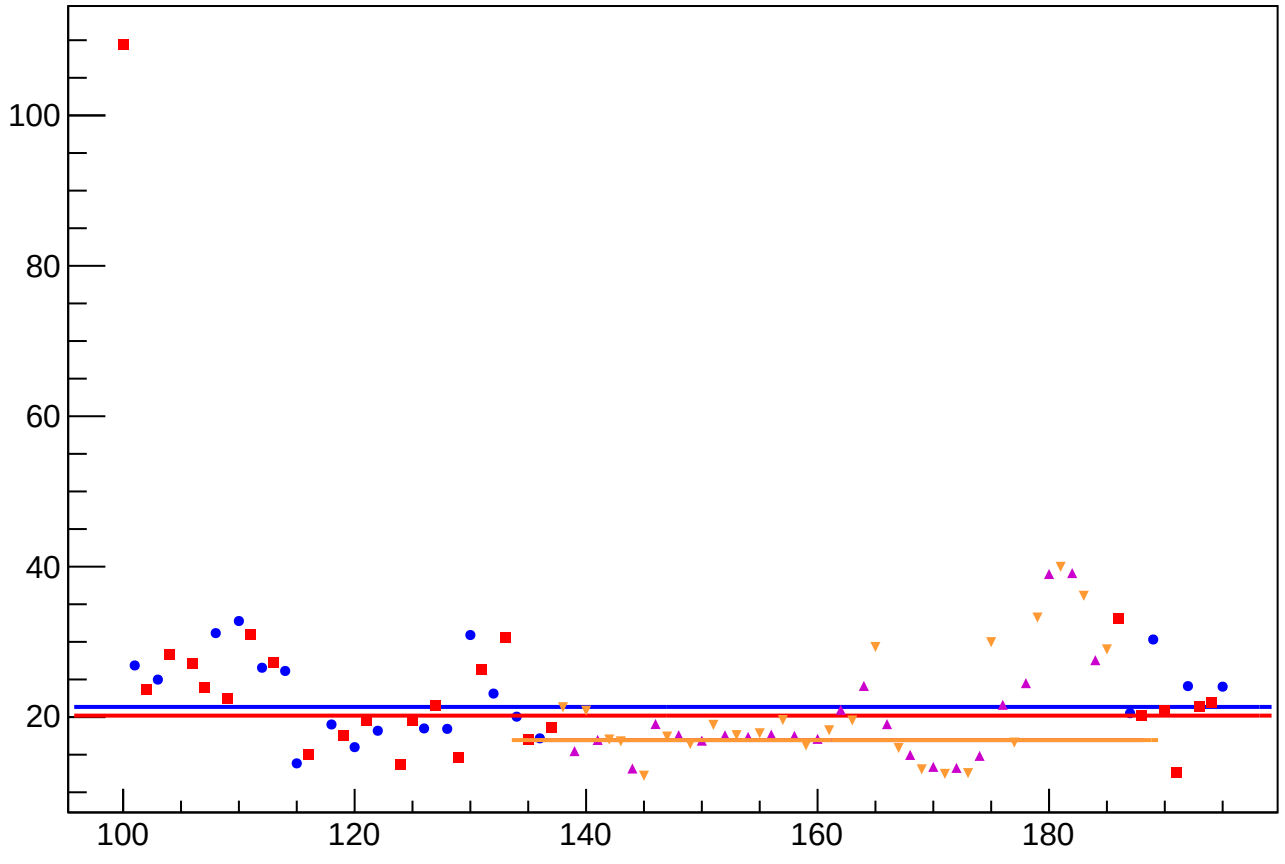
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.005+/-0.002 χ^2/NDF: 92.5/92

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



Right In: 21.349+/-0.005 χ^2/NDF: 859787.0/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

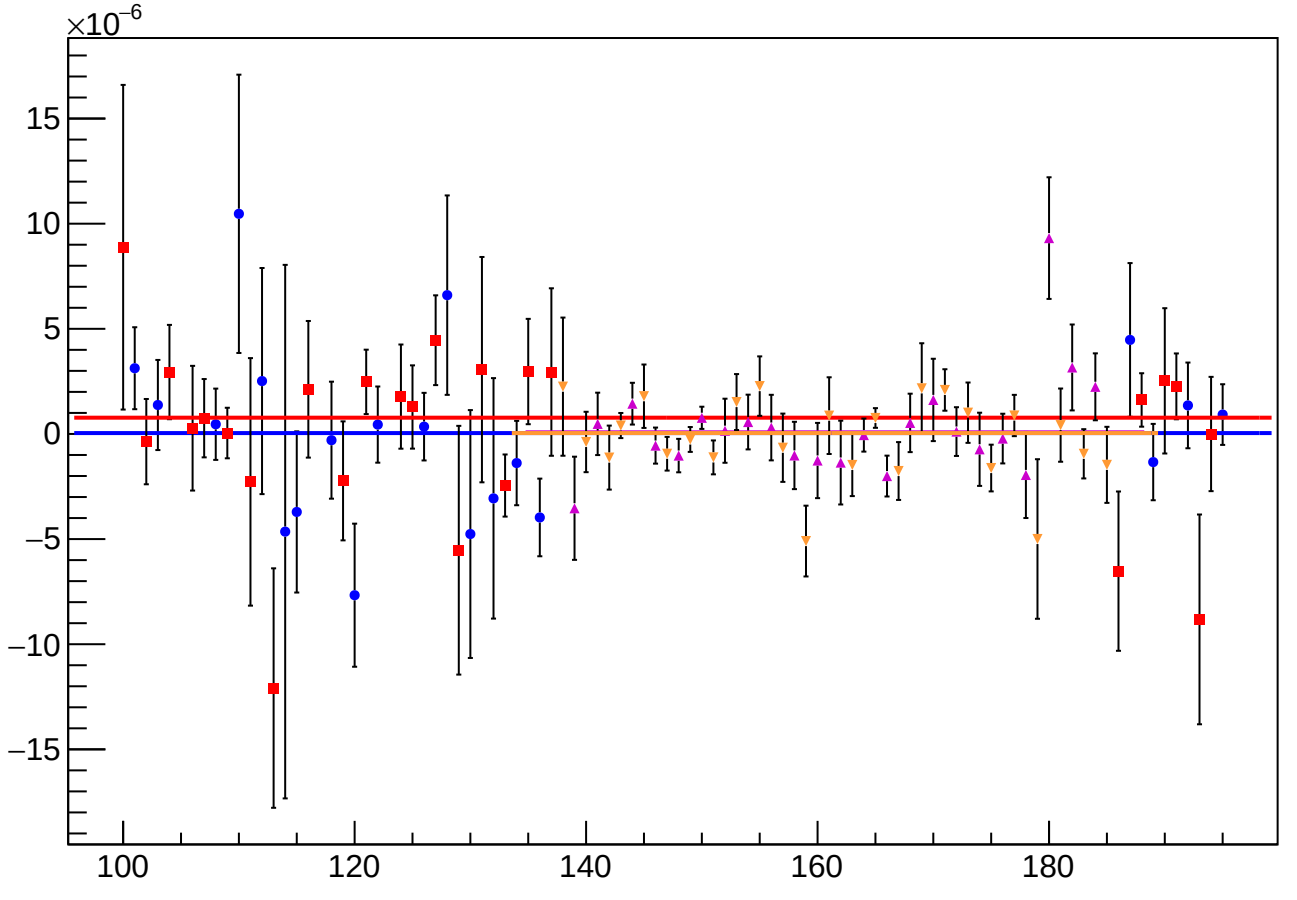
Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265803.6/44

All: 17.964+/-0.002 χ^2/NDF: 7743970.0/92

- sign 17.911+/-0.002 χ^2/NDF: 3477244.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

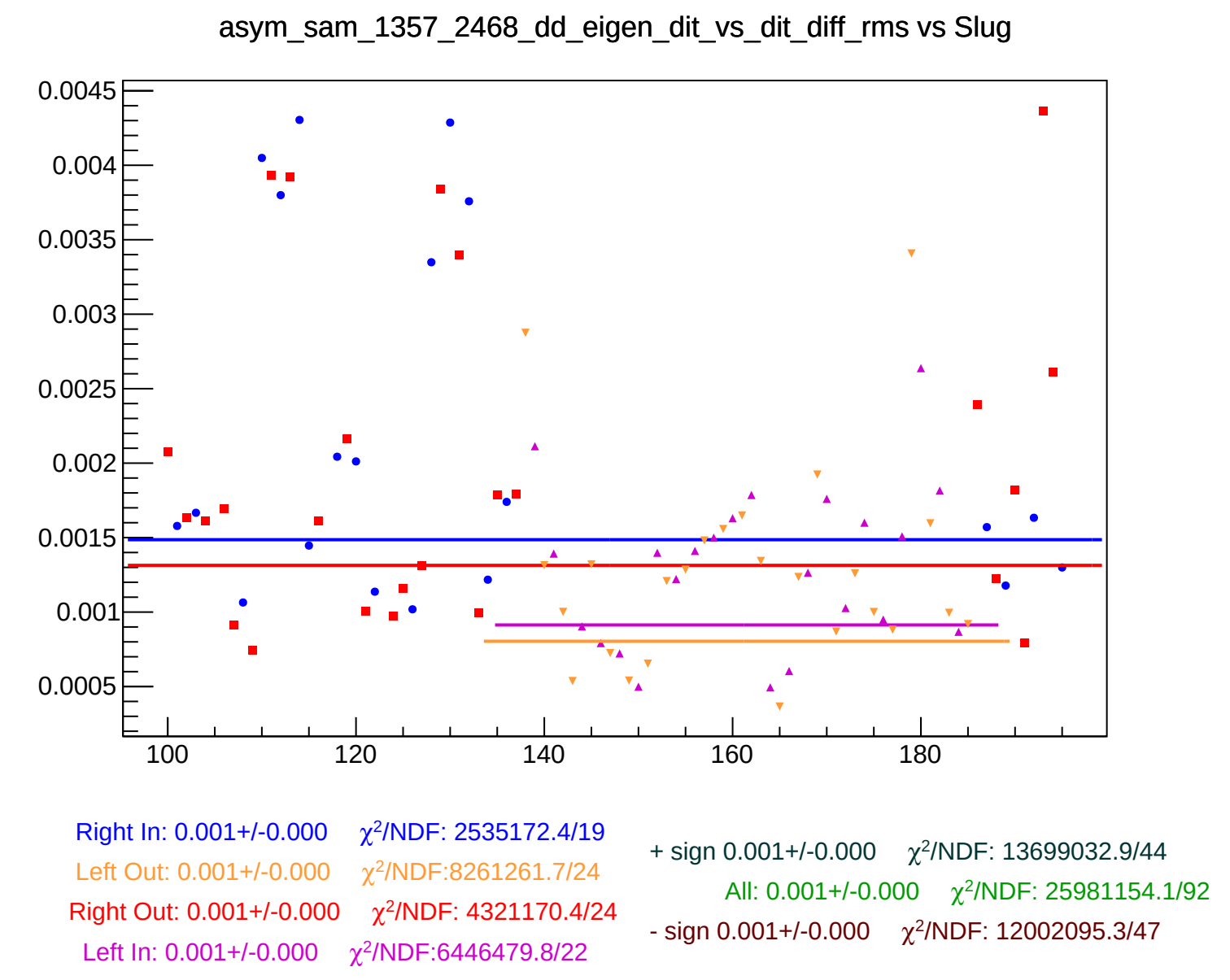
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/24

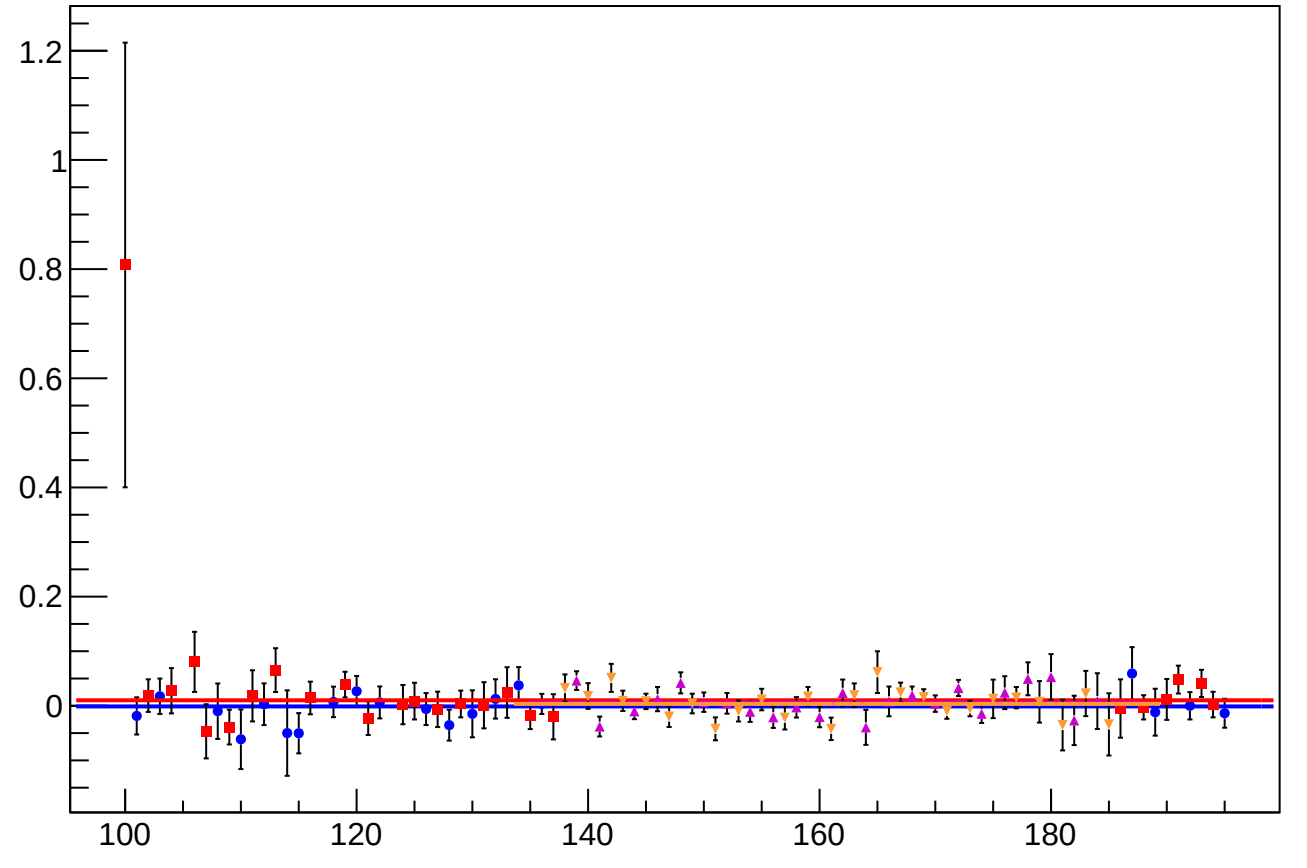
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.1/44

All: 0.000+/-0.000 χ^2/NDF: 123.5/92

- sign 0.000+/-0.000 χ^2/NDF: 62.9/47


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
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: 4321170.4/24
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: 25981154.1/92
- sign 0.001+/-0.000 χ²/NDF: 12002095.3/47



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

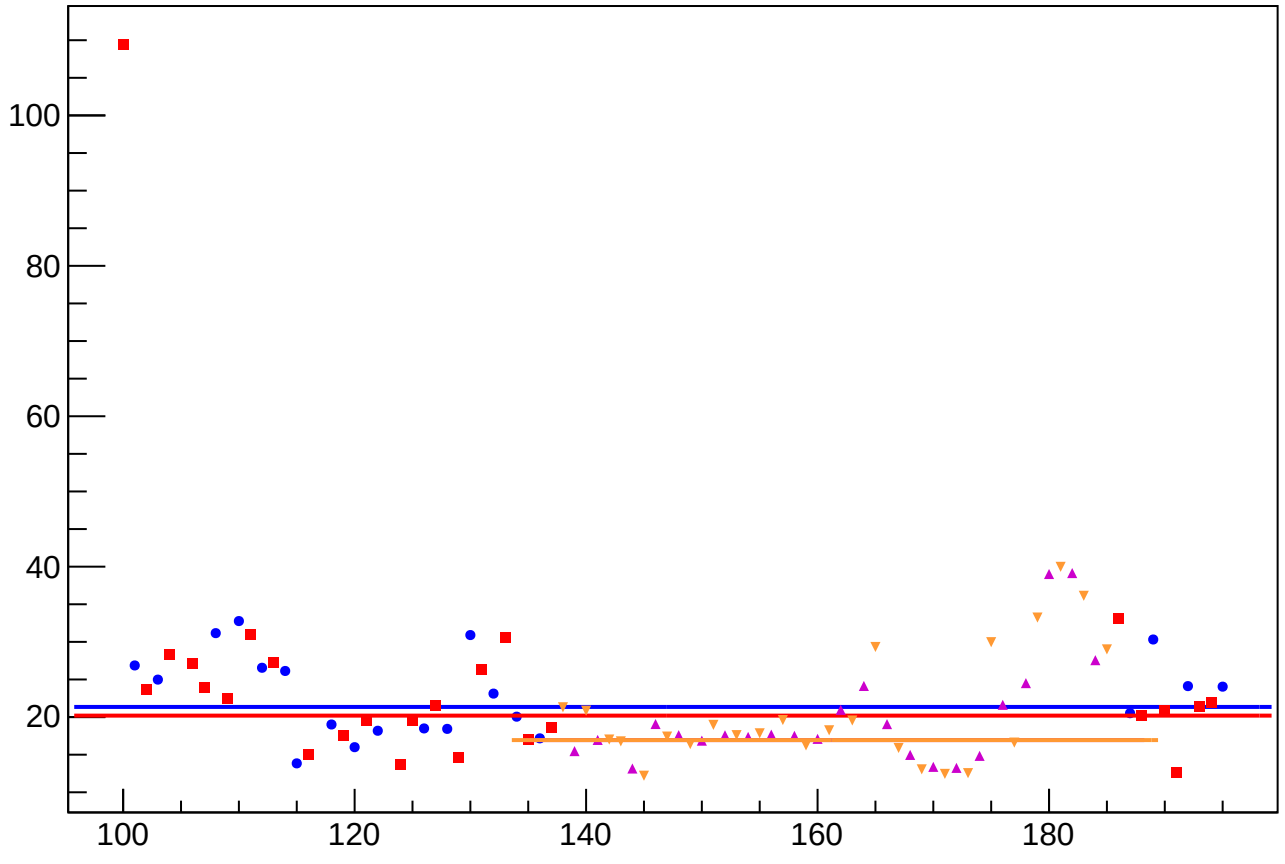
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.005+/-0.002 χ^2/NDF: 92.5/92

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



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: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

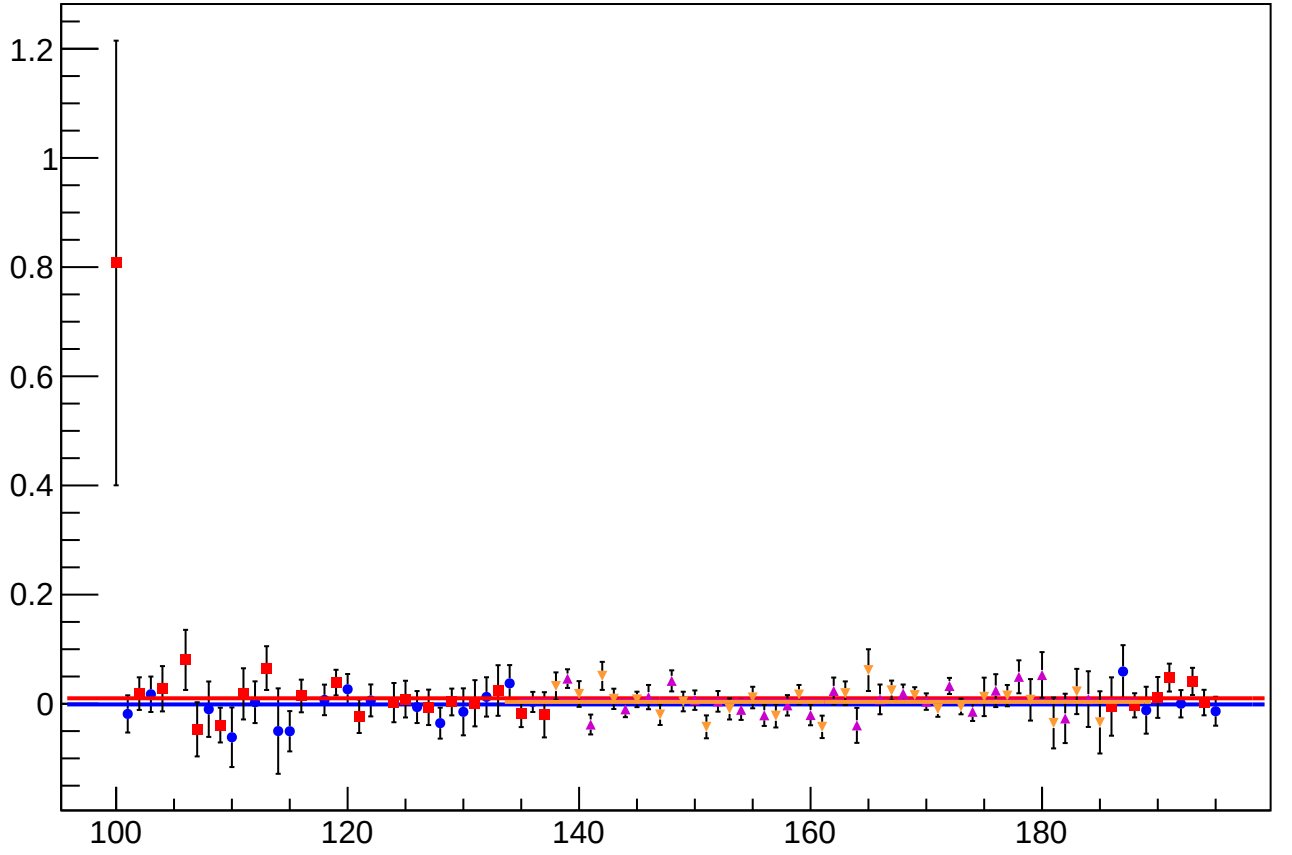
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265570.5/44

All: 17.964+/-0.002 χ^2/NDF: 7743612.4/92

- sign 17.911+/-0.002 χ^2/NDF: 3477118.8/47

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

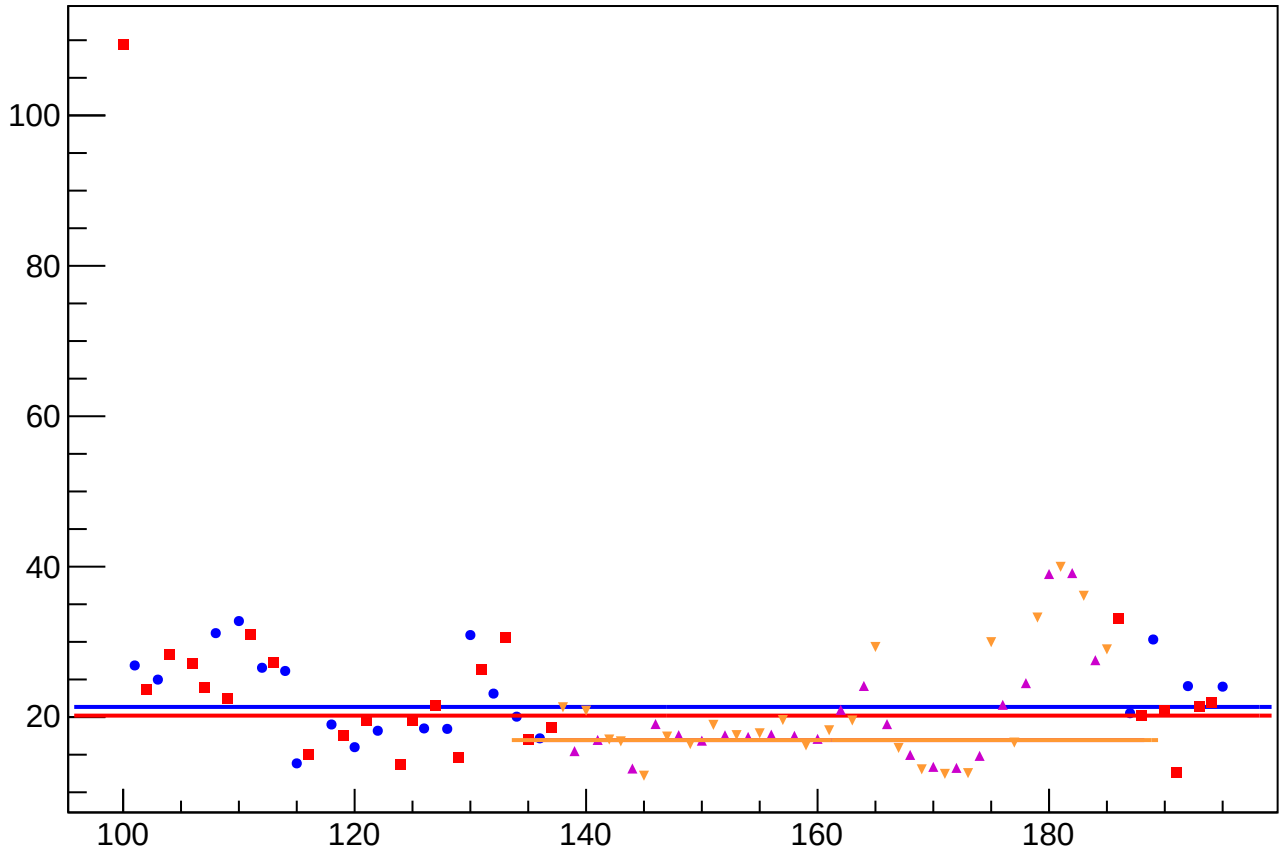
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 37.4/44

All: 0.005+/-0.002 χ^2/NDF: 92.5/92

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



Right In: 21.349+/-0.005 χ^2/NDF: 859711.8/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

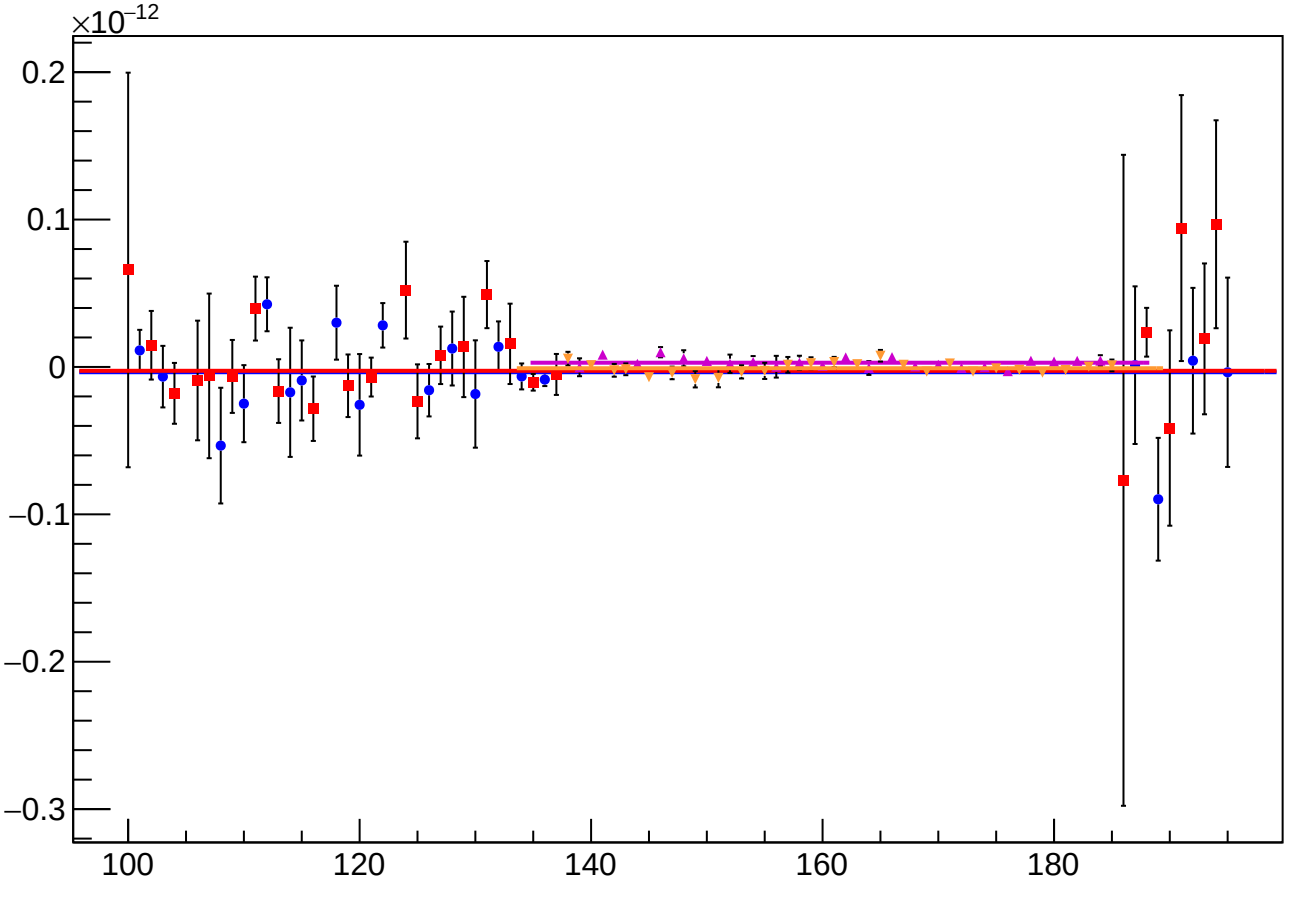
Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.018+/-0.003 χ^2/NDF: 4265570.5/44

All: 17.964+/-0.002 χ^2/NDF: 7743612.4/92

- sign 17.911+/-0.002 χ^2/NDF: 3477118.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

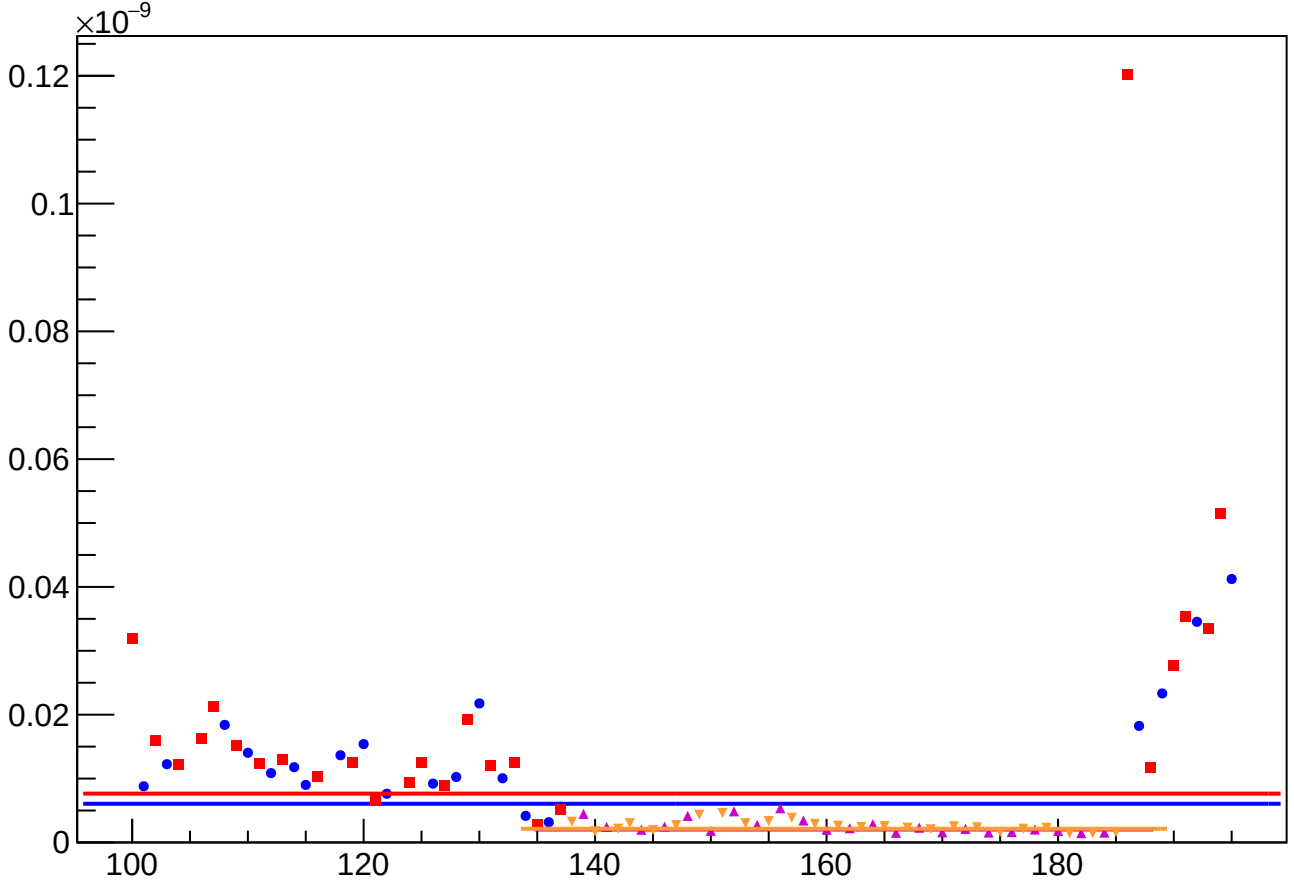
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

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: 116.2/92

- sign 0.000+/-0.000 χ^2/NDF: 50.3/47



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: 5463278.1/24

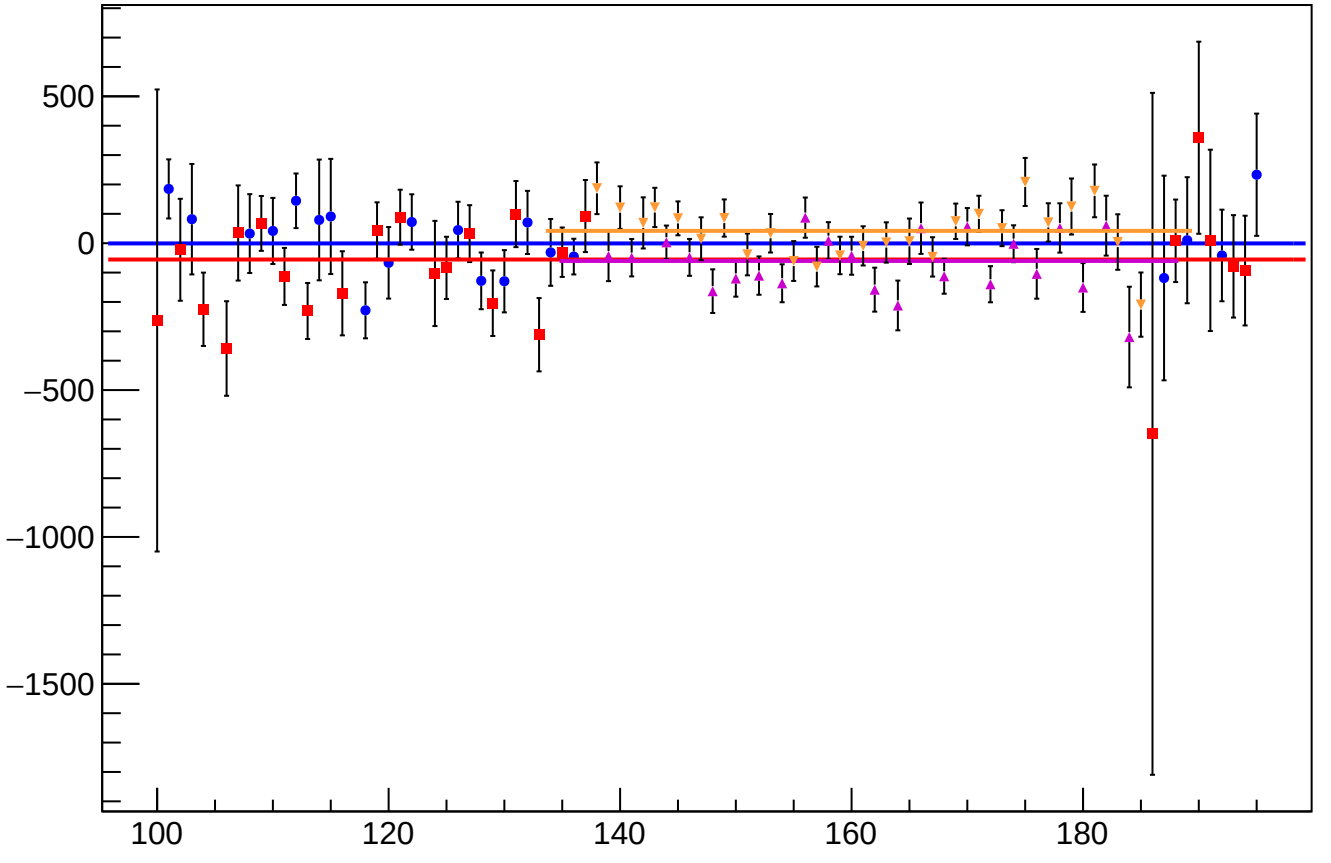
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9446744.9/44

All: 0.000+/-0.000 χ^2/NDF: 21716618.6/92

- sign 0.000+/-0.000 χ^2/NDF: 12236887.7/47

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: -55.520+/-25.241 χ^2/NDF: 27.9/24

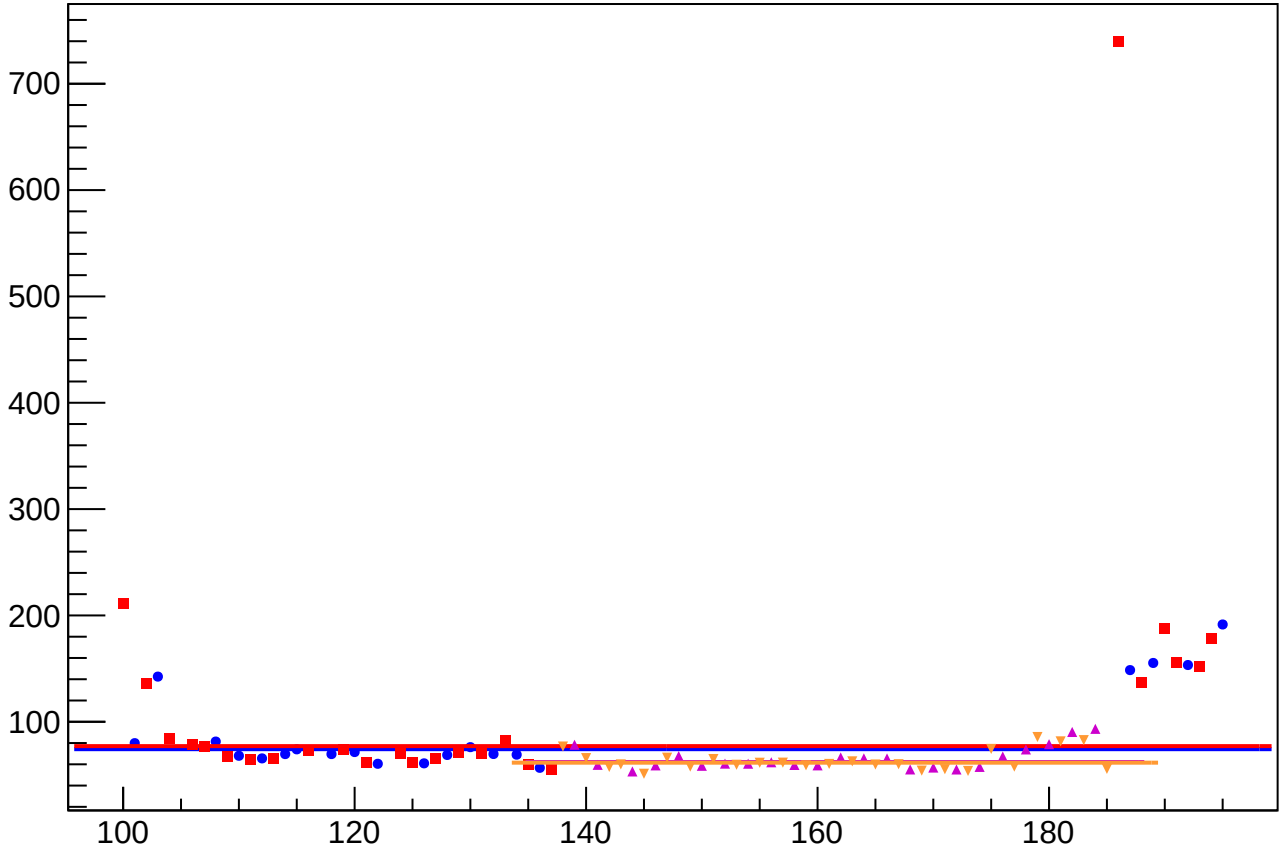
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.860+/-12.382 χ^2/NDF: 53.3/44

All: -12.449+/-8.870 χ^2/NDF: 139.8/92

- sign -59.145+/-12.712 χ^2/NDF: 60.1/47

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

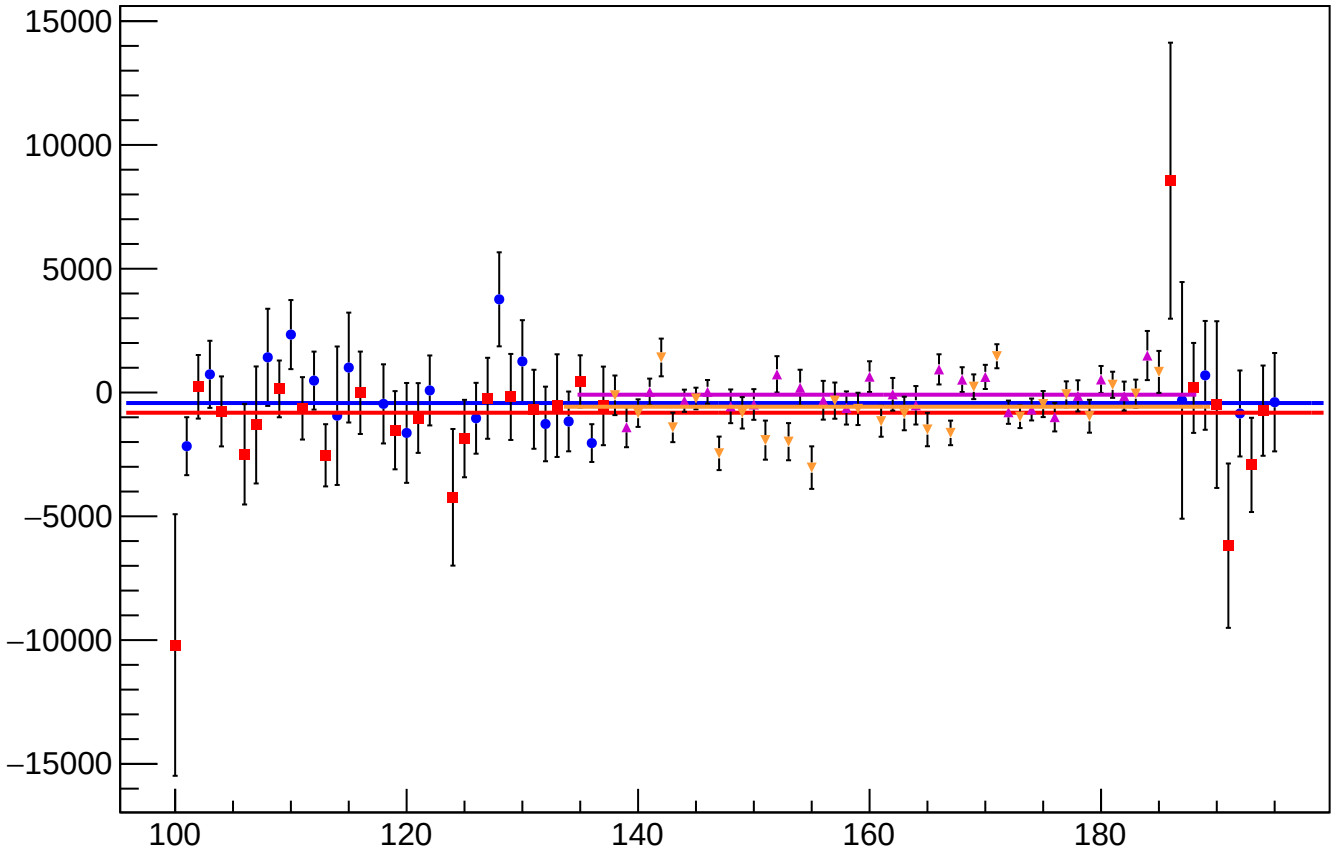
Right Out: 77.101+/-0.018 χ^2/NDF: 3010898.4/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112870.2/44

All: 65.230+/-0.006 χ^2/NDF: 7256734.8/92

- sign 65.938+/-0.009 χ^2/NDF: 4131768.3/47



Right In: -424.665+/-332.383 χ^2/NDF: 20.9/19

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

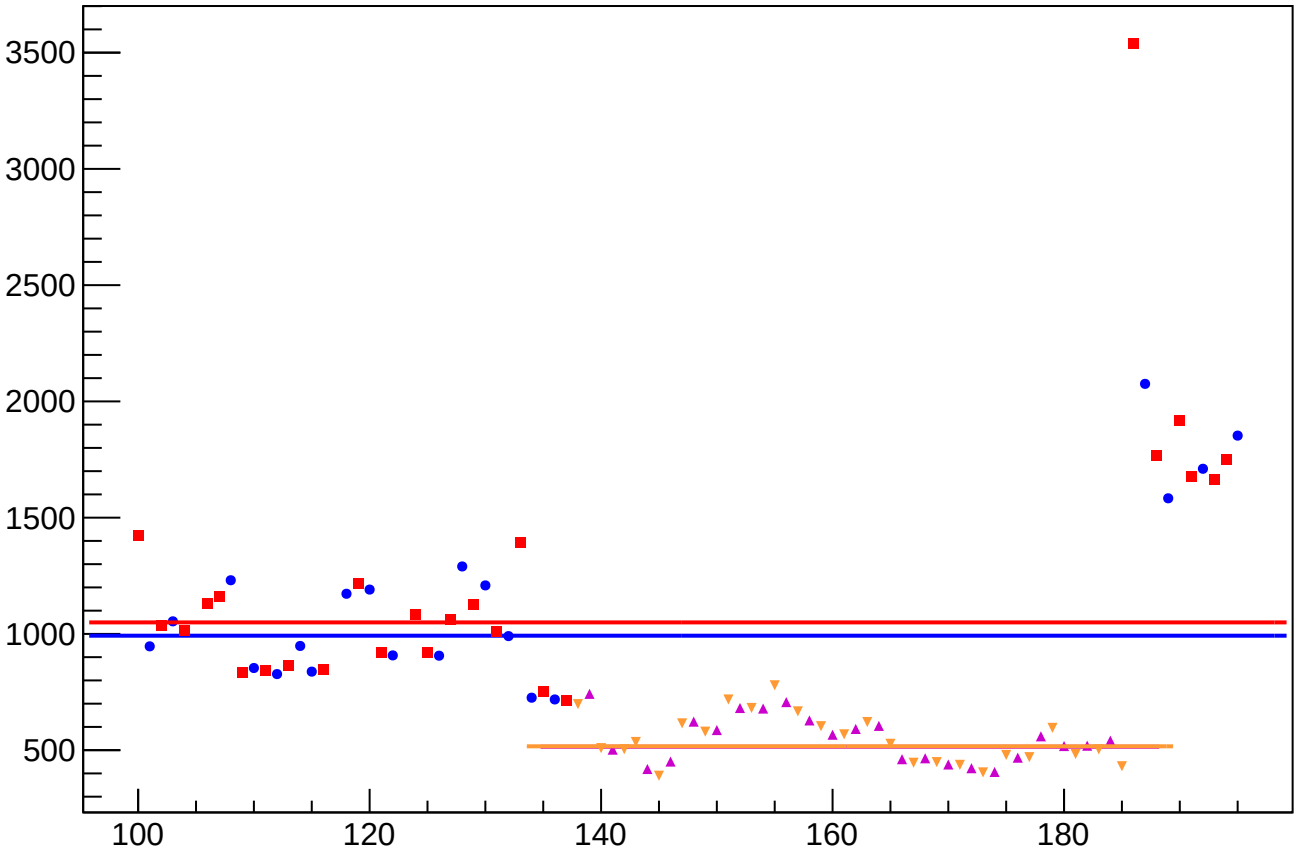
Right Out: -816.377+/-331.243 χ^2/NDF: 18.3/24

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -557.571+/-112.650 χ^2/NDF: 89.8/44

All: -370.498+/-80.435 χ^2/NDF: 142.6/92

- sign -175.916+/-114.889 χ^2/NDF: 47.2/47



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: 1049.519+/-0.234 χ^2/NDF: 2001672.8/24

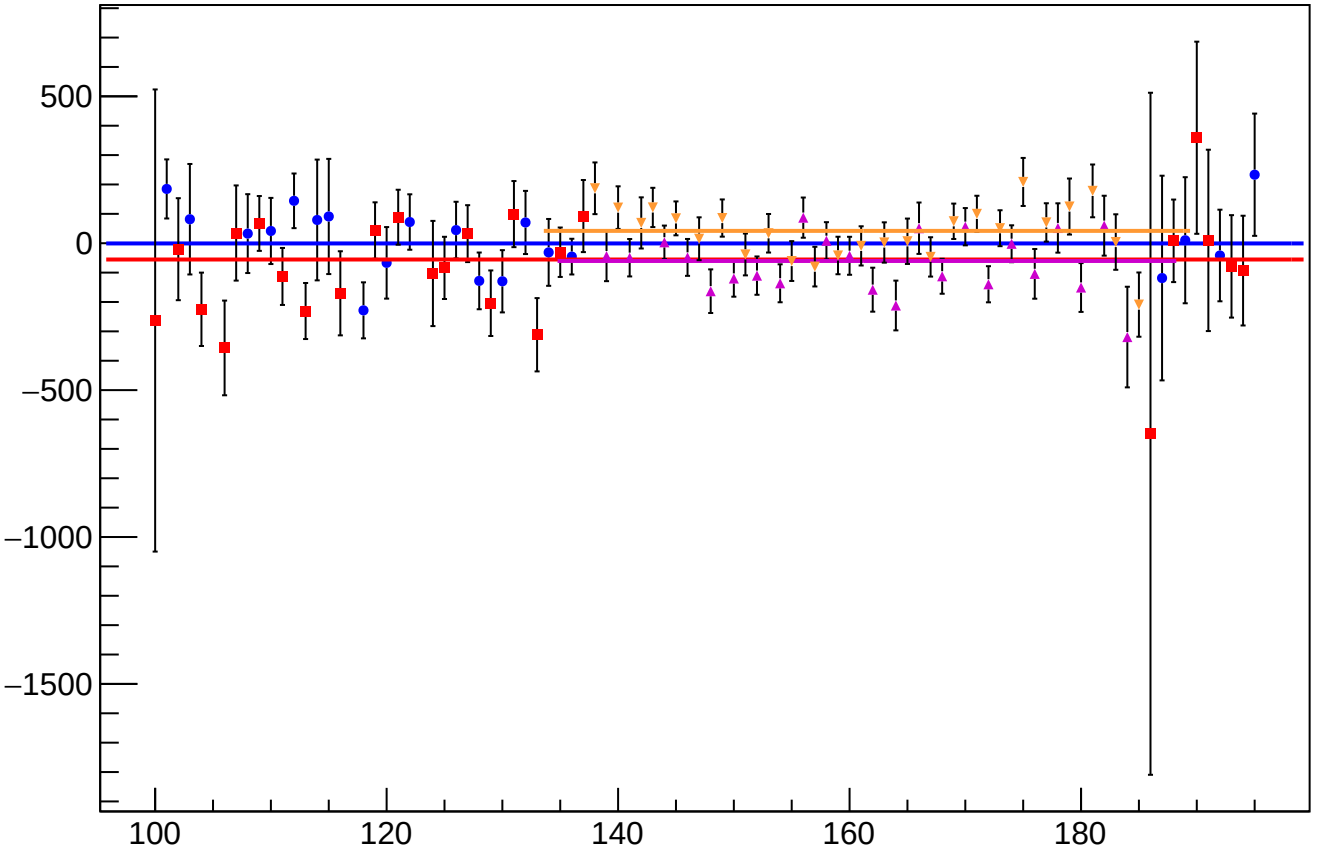
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 571.277+/-0.080 χ^2/NDF: 6460145.6/44

All: 575.116+/-0.057 χ^2/NDF: 14172136.1/92

- sign 579.109+/-0.081 χ^2/NDF: 7707252.2/47

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: -55.406+/-25.242 χ^2/NDF: 27.9/24

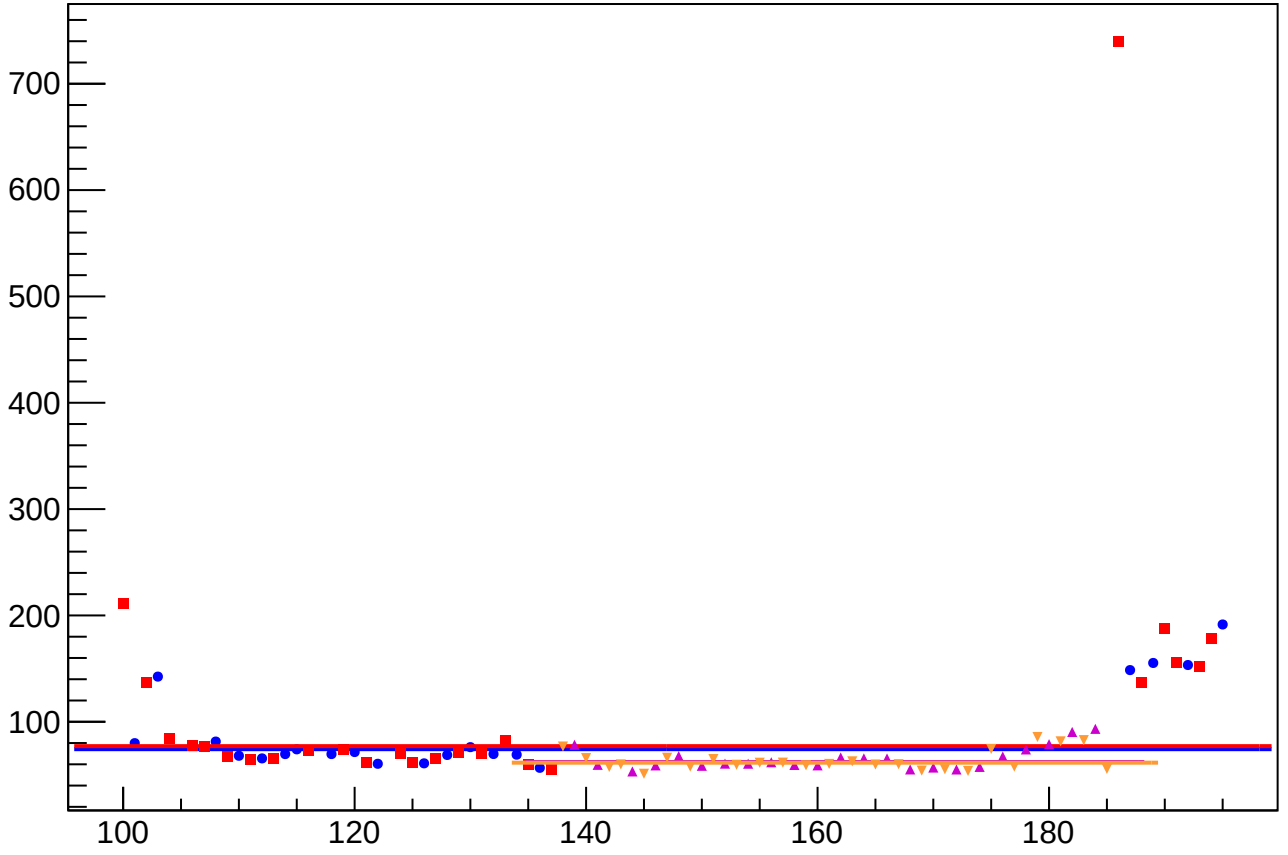
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.862+/-12.382 χ^2/NDF: 53.3/44

All: -12.433+/-8.870 χ^2/NDF: 139.7/92

- sign -59.116+/-12.712 χ^2/NDF: 60.1/47

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

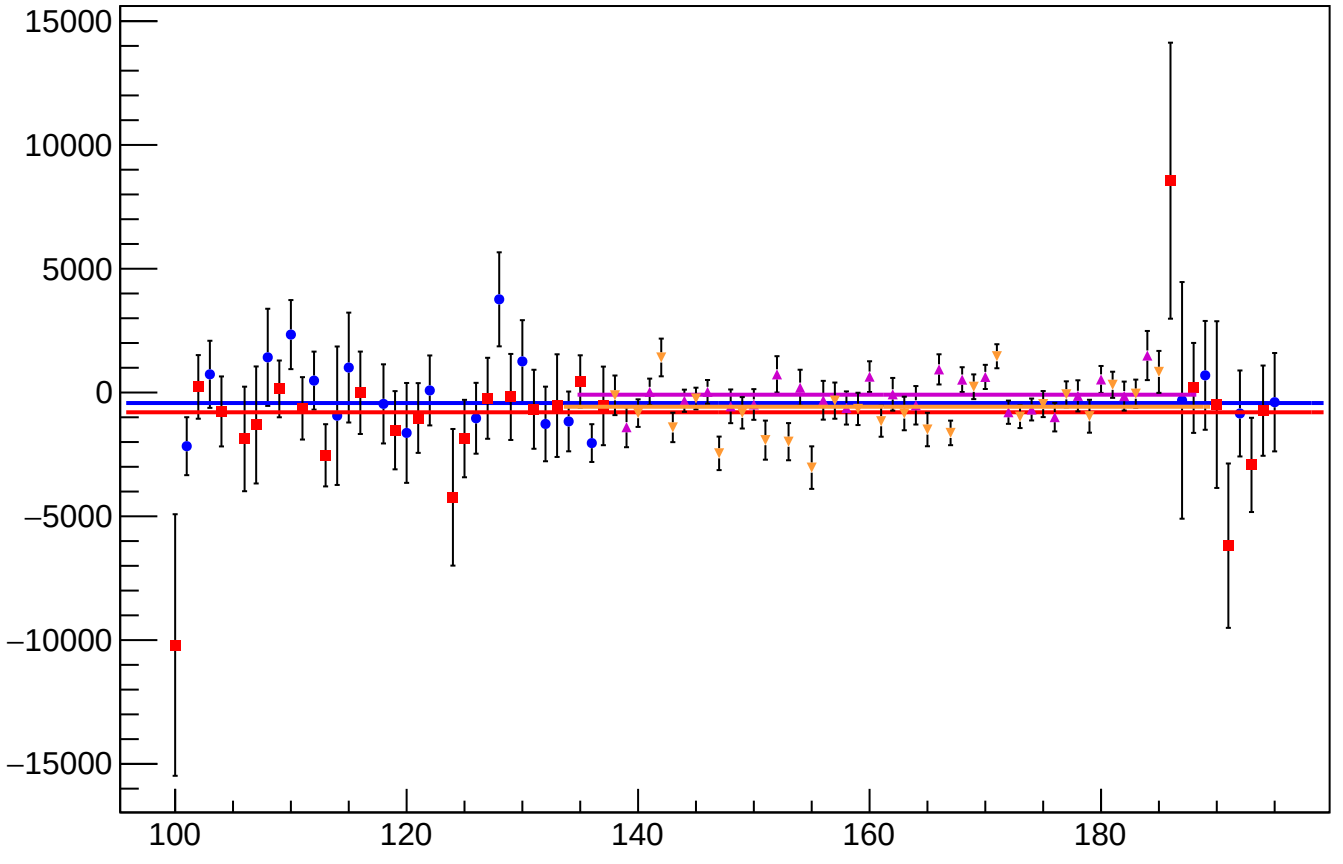
Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112873.2/44

All: 65.227+/-0.006 χ^2/NDF: 7255633.6/92

- sign 65.933+/-0.009 χ^2/NDF: 4130743.6/47



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

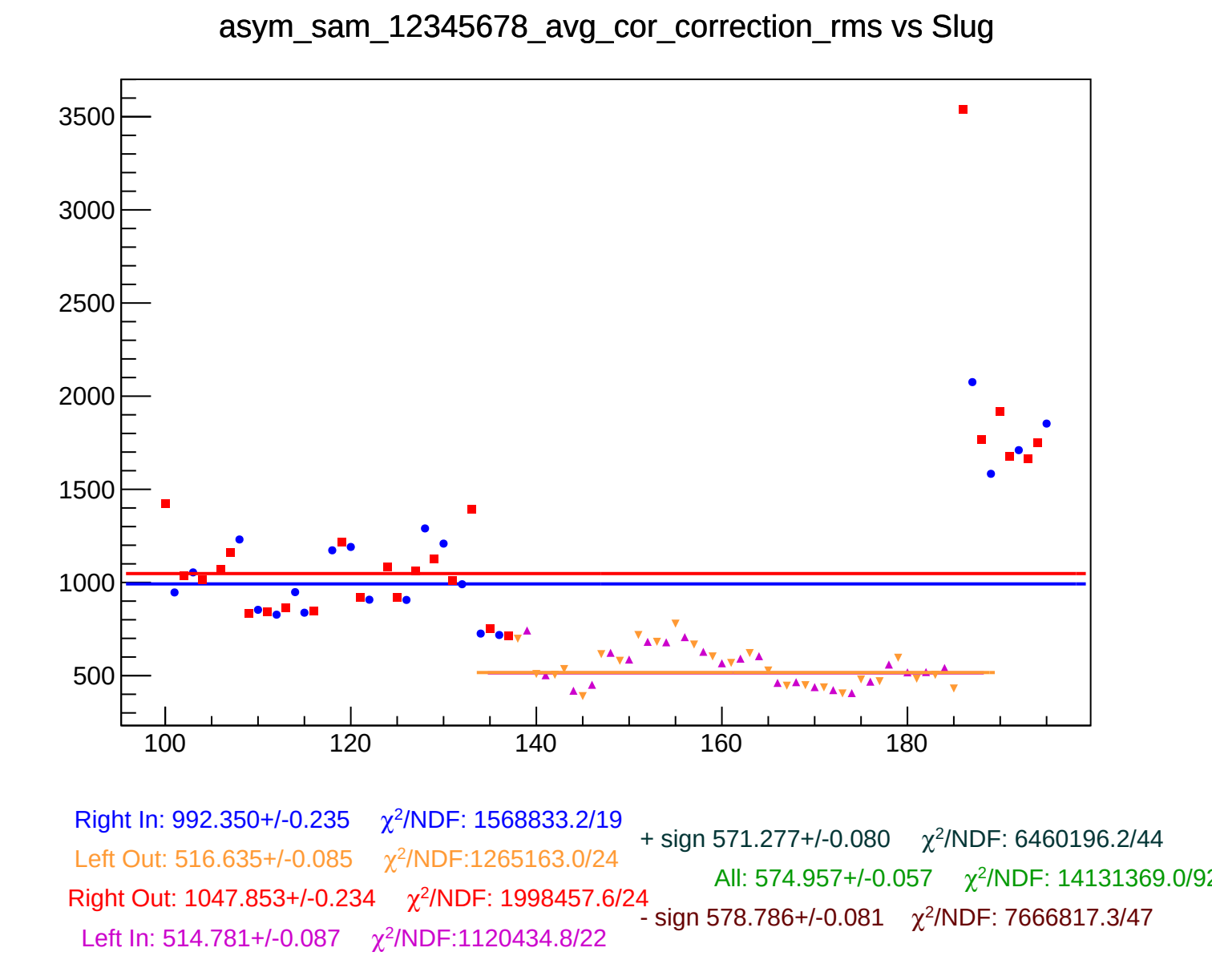
Right Out: -798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -557.562+/-112.650 χ^2/NDF: 89.8/44

All: -369.358+/-80.440 χ^2/NDF: 142.0/92

\- sign -173.548+/-114.904 χ^2/NDF: 46.5/47


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
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2000
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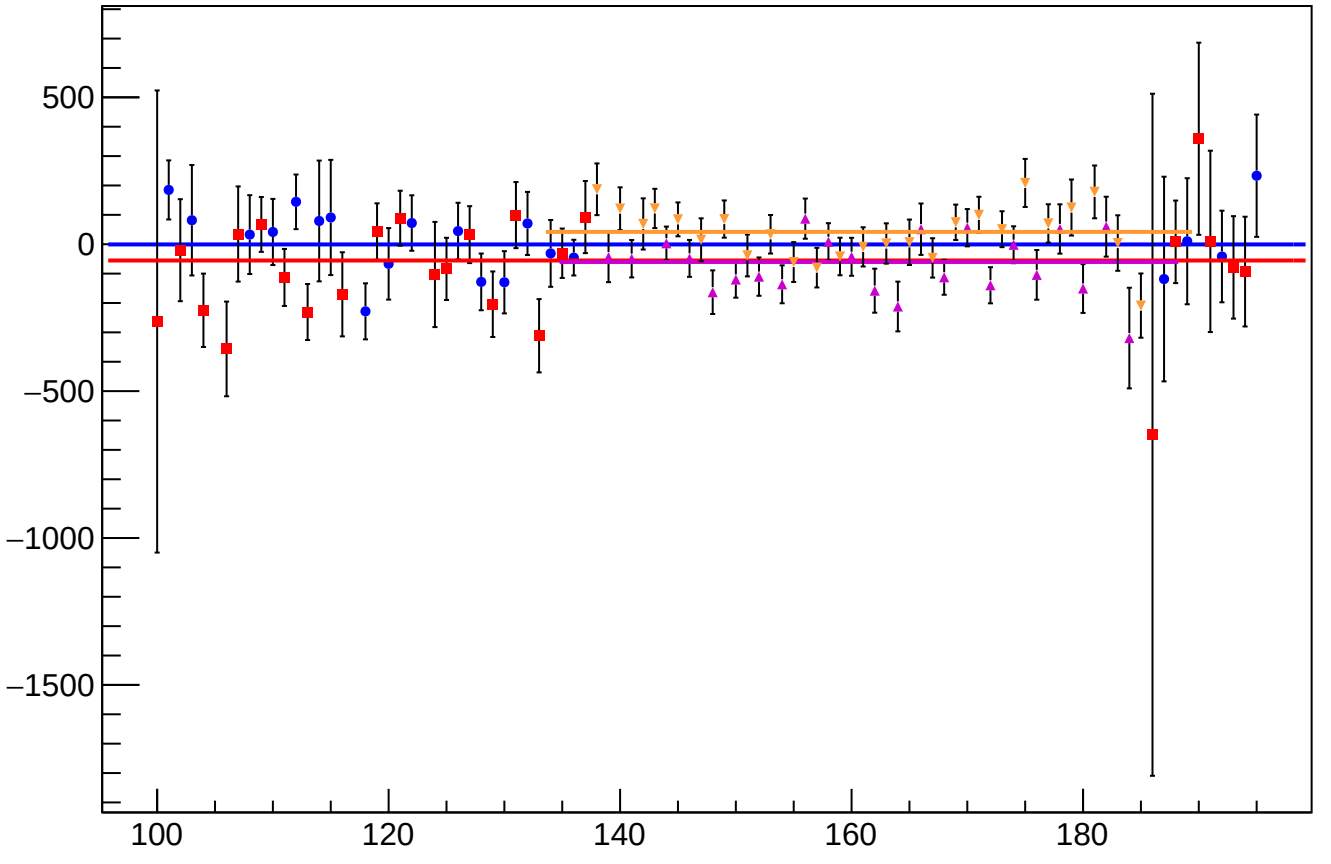
120
140
160
180
Right In: 992.350+/-0.235 χ²/NDF: 1568833.2/19
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1047.853+/-0.234 χ²/NDF: 1998457.6/24
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 571.277+/-0.080 χ²/NDF: 6460196.2/44
All: 574.957+/-0.057 χ²/NDF: 14131369.0/92
- sign 578.786+/-0.081 χ²/NDF: 7666817.3/47



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: -55.406+/-25.242 χ^2/NDF: 27.9/24

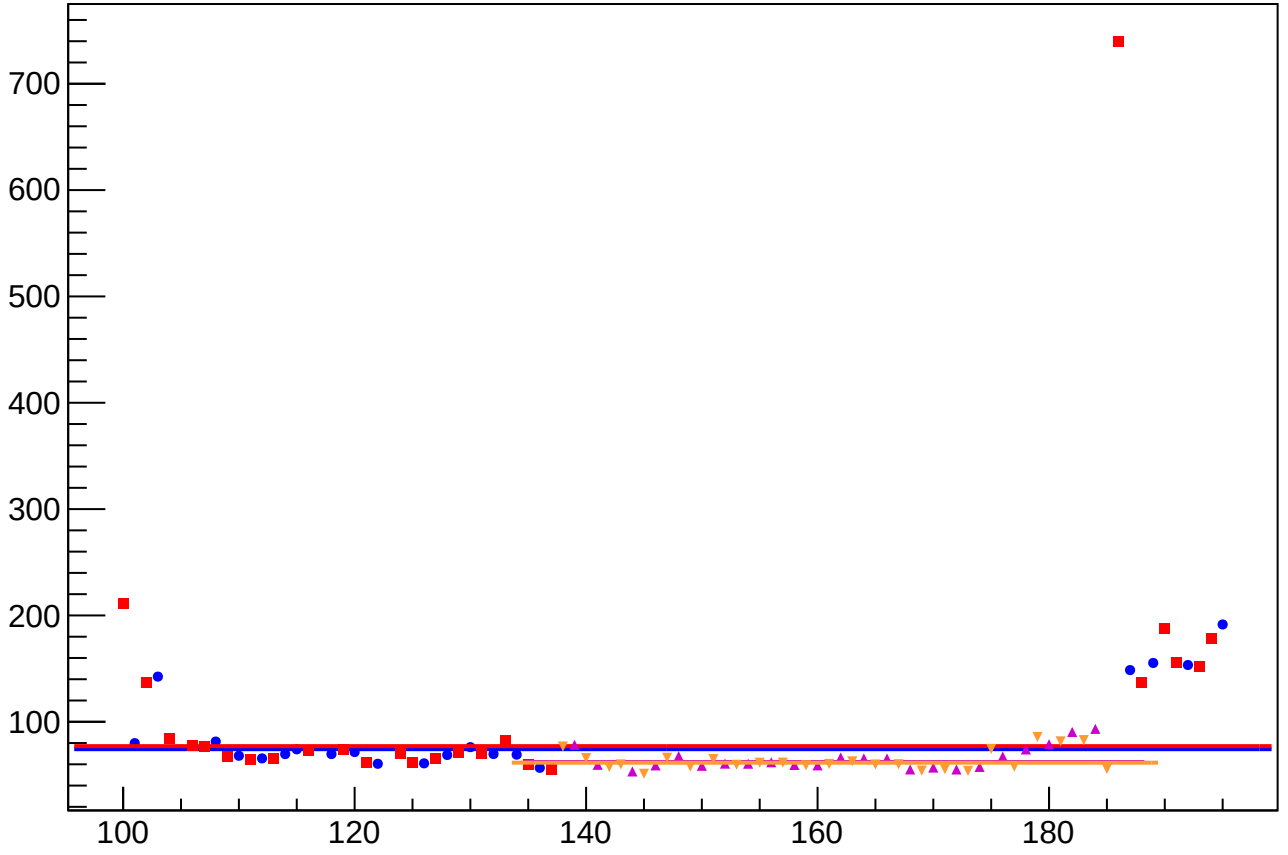
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.862+/-12.382 χ^2/NDF: 53.3/44

All: -12.433+/-8.870 χ^2/NDF: 139.7/92

- sign -59.116+/-12.712 χ^2/NDF: 60.1/47

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

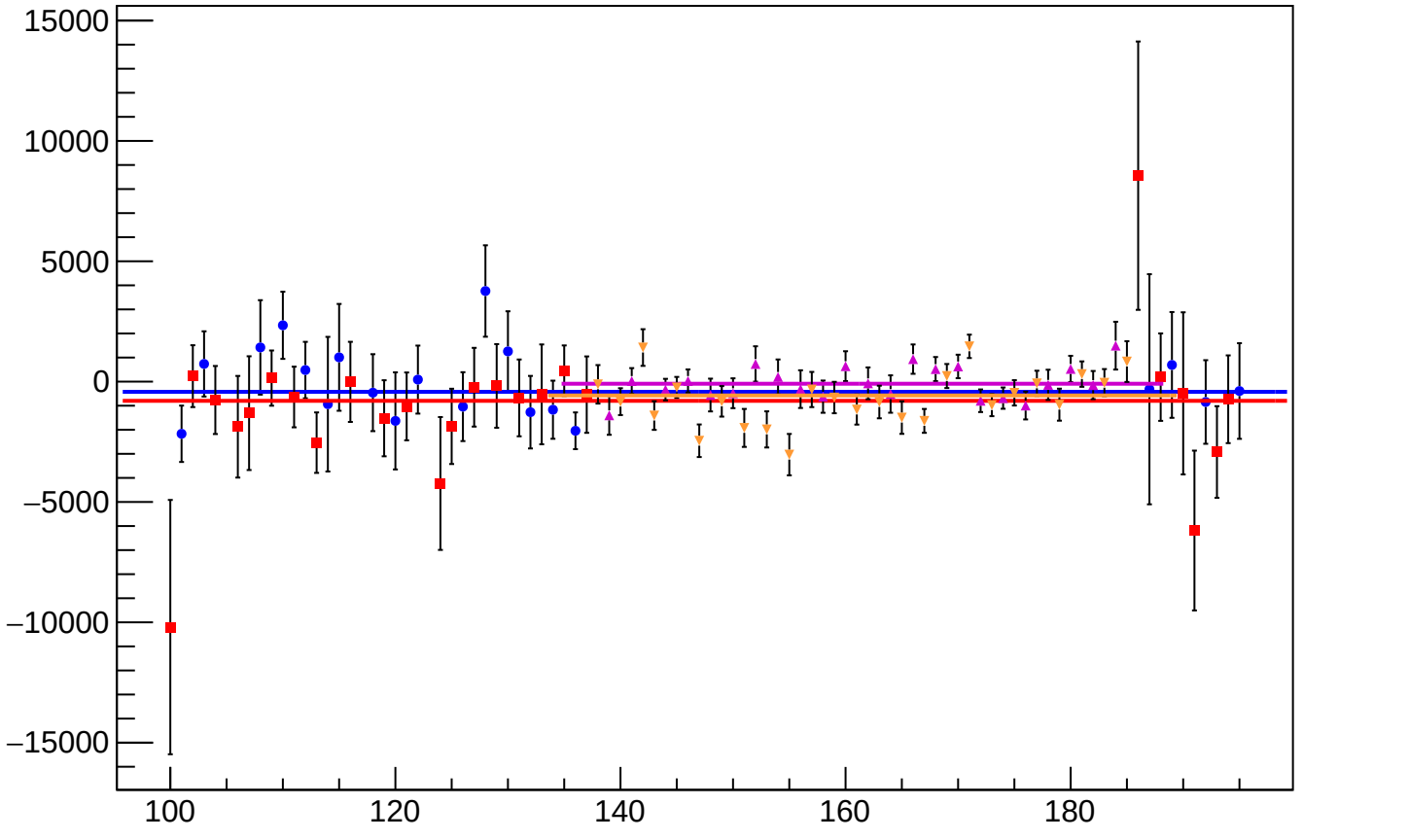
Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.558+/-0.009 χ^2/NDF: 3112873.2/44

All: 65.227+/-0.006 χ^2/NDF: 7255633.6/92

- sign 65.933+/-0.009 χ^2/NDF: 4130743.6/47



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

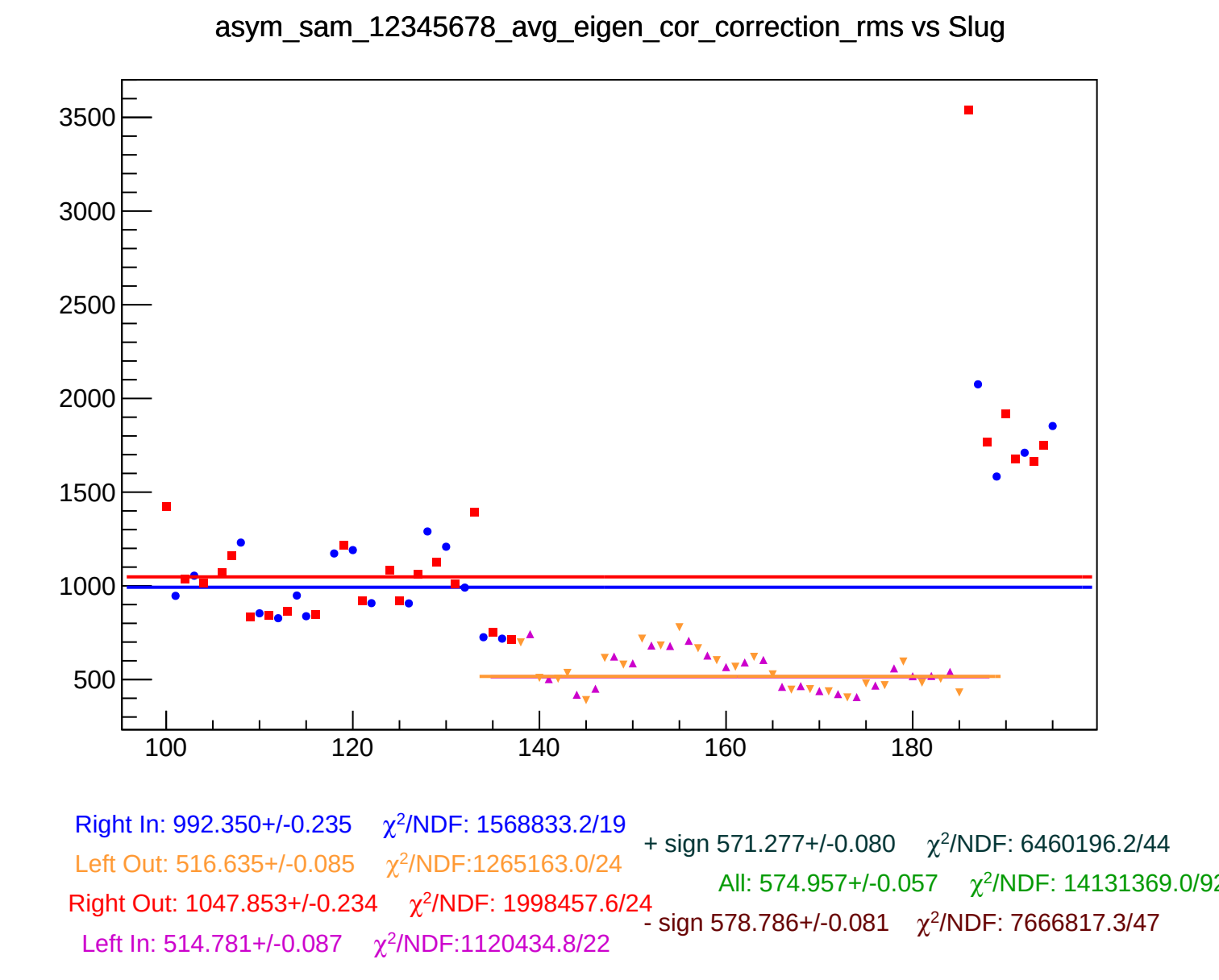
Right Out: -798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -557.562+/-112.650 χ^2/NDF: 89.8/44

All: -369.358+/-80.440 χ^2/NDF: 142.0/92

- sign -173.548+/-114.904 χ^2/NDF: 46.5/47


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
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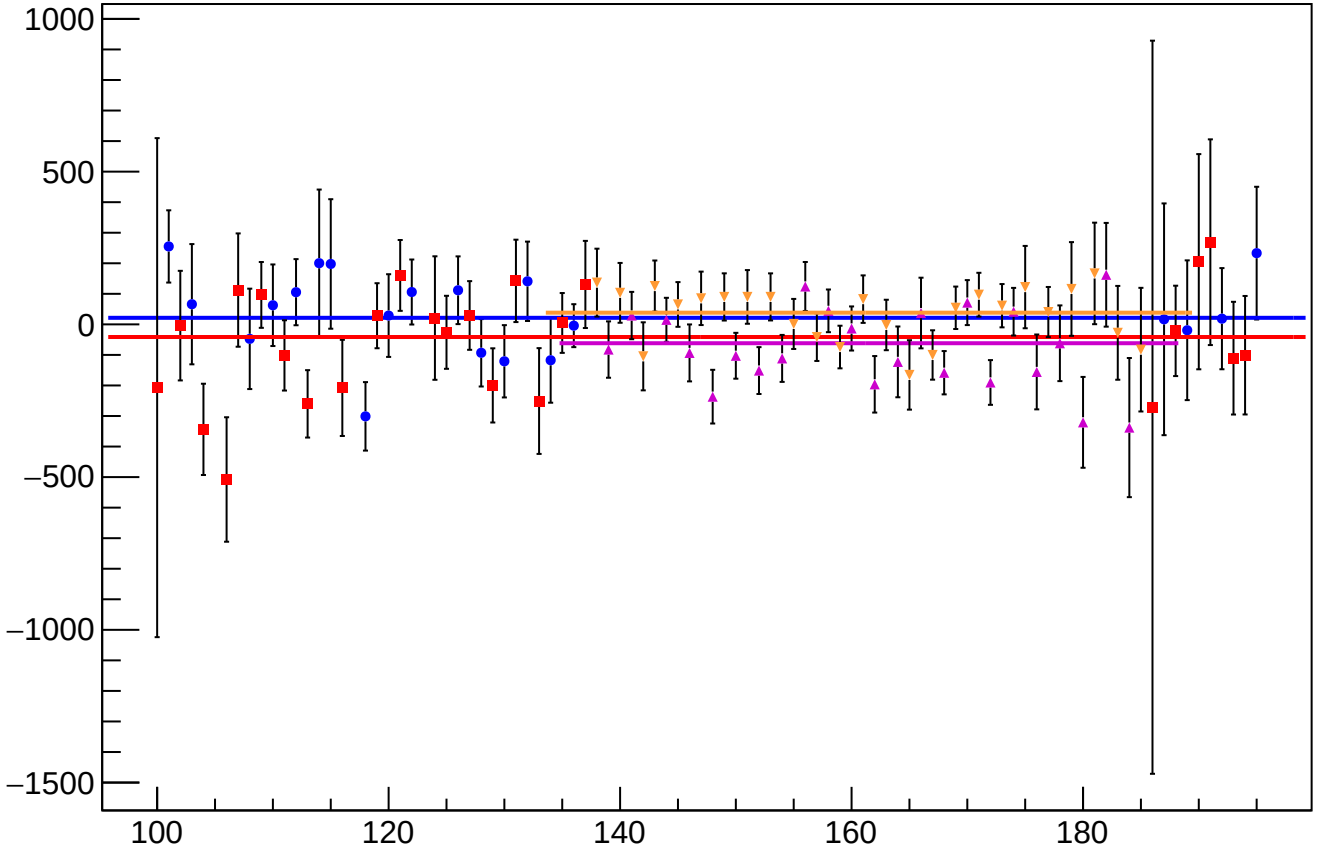
Right In: 992.350+/-0.235 χ²/NDF: 1568833.2/19
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1047.853+/-0.234 χ²/NDF: 1998457.6/24
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 571.277+/-0.080 χ²/NDF: 6460196.2/44
All: 574.957+/-0.057 χ²/NDF: 14131369.0/92
- sign 578.786+/-0.081 χ²/NDF: 7666817.3/47

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: -41.390+/-29.114 χ^2/NDF: 29.4/24

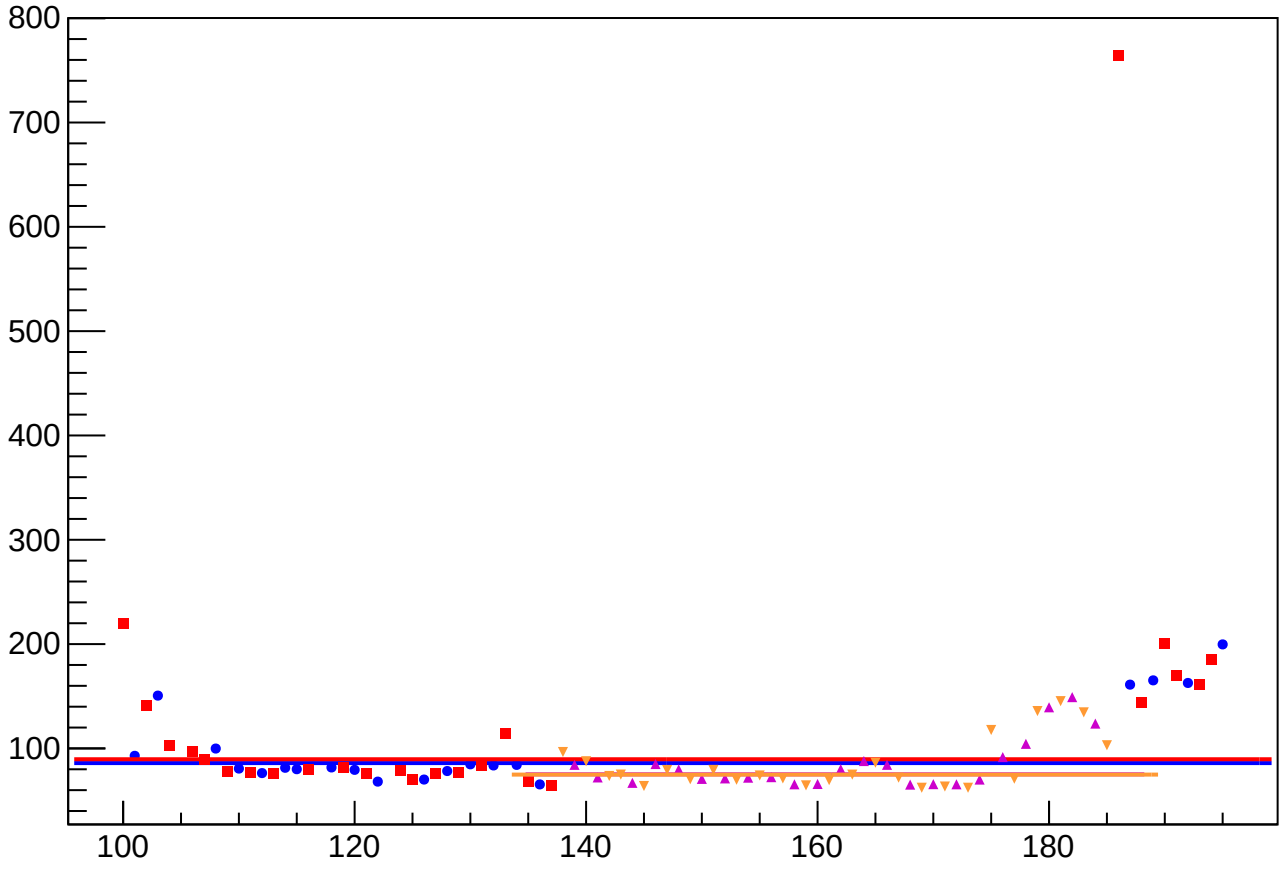
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.783+/-15.123 χ^2/NDF: 40.2/44

All: -10.220+/-10.800 χ^2/NDF: 123.9/92

- sign -56.014+/-15.428 χ^2/NDF: 66.4/47

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

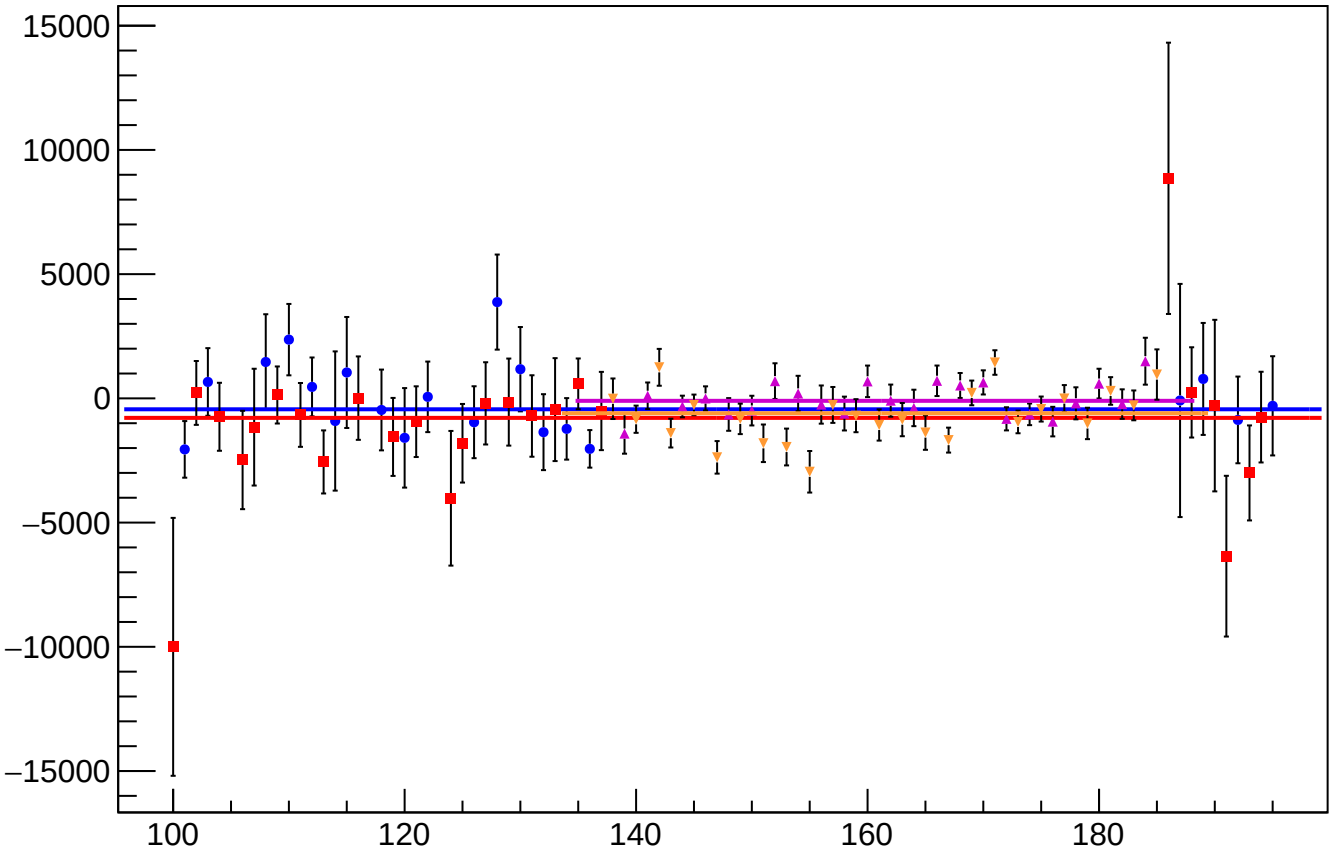
Right Out: 89.624+/-0.021 χ^2/NDF: 2671803.8/24

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 77.855+/-0.011 χ^2/NDF: 3710004.9/44

All: 78.523+/-0.008 χ^2/NDF: 8057572.7/92

- sign 79.218+/-0.011 χ^2/NDF: 4339603.7/47



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: -785.107+/-330.875 χ^2/NDF: 19.3/24

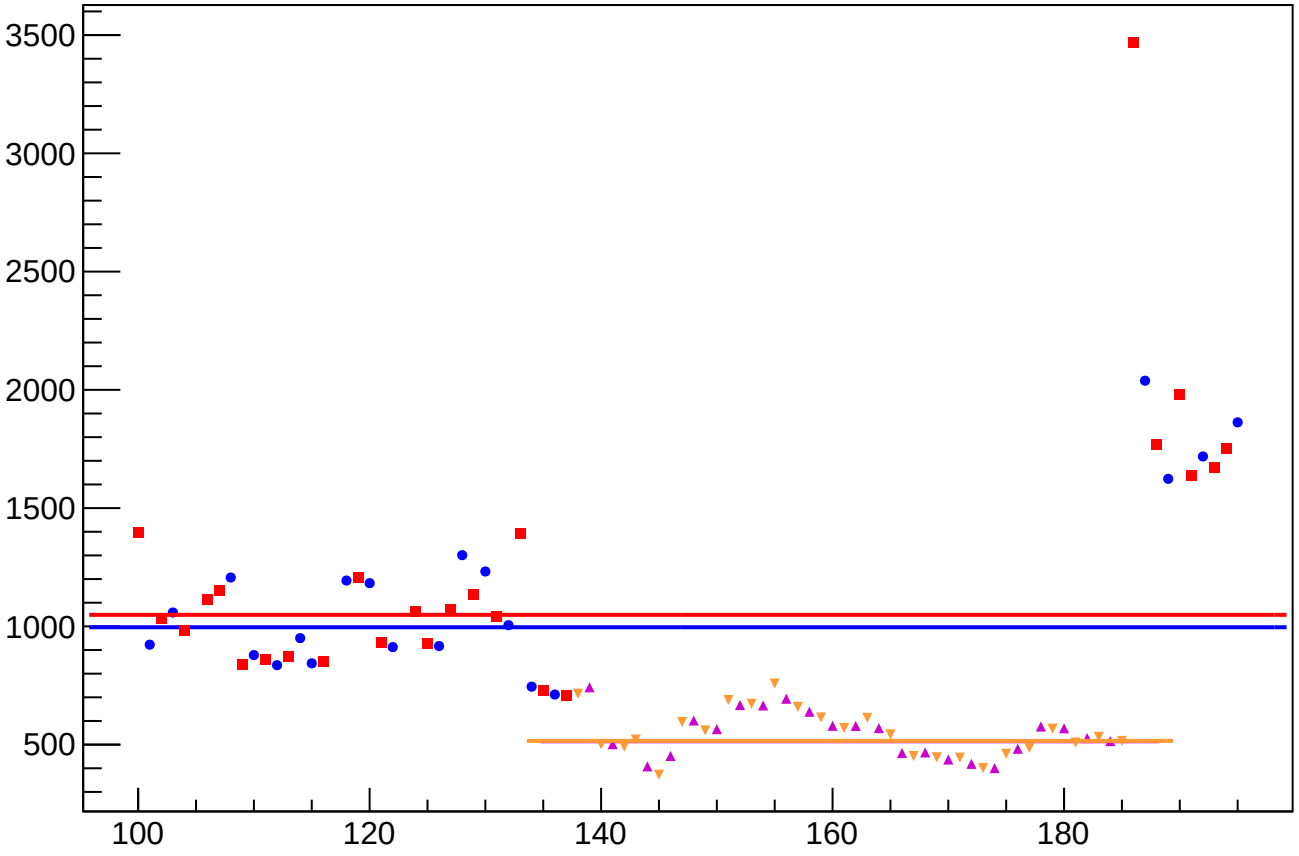
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -580.773+/-112.356 χ^2/NDF: 85.9/44

All: -385.334+/-80.271 χ^2/NDF: 138.9/92

- sign -181.573+/-114.723 χ^2/NDF: 46.8/47

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: 1048.760+/-0.234 χ^2/NDF: 2022620.5/24

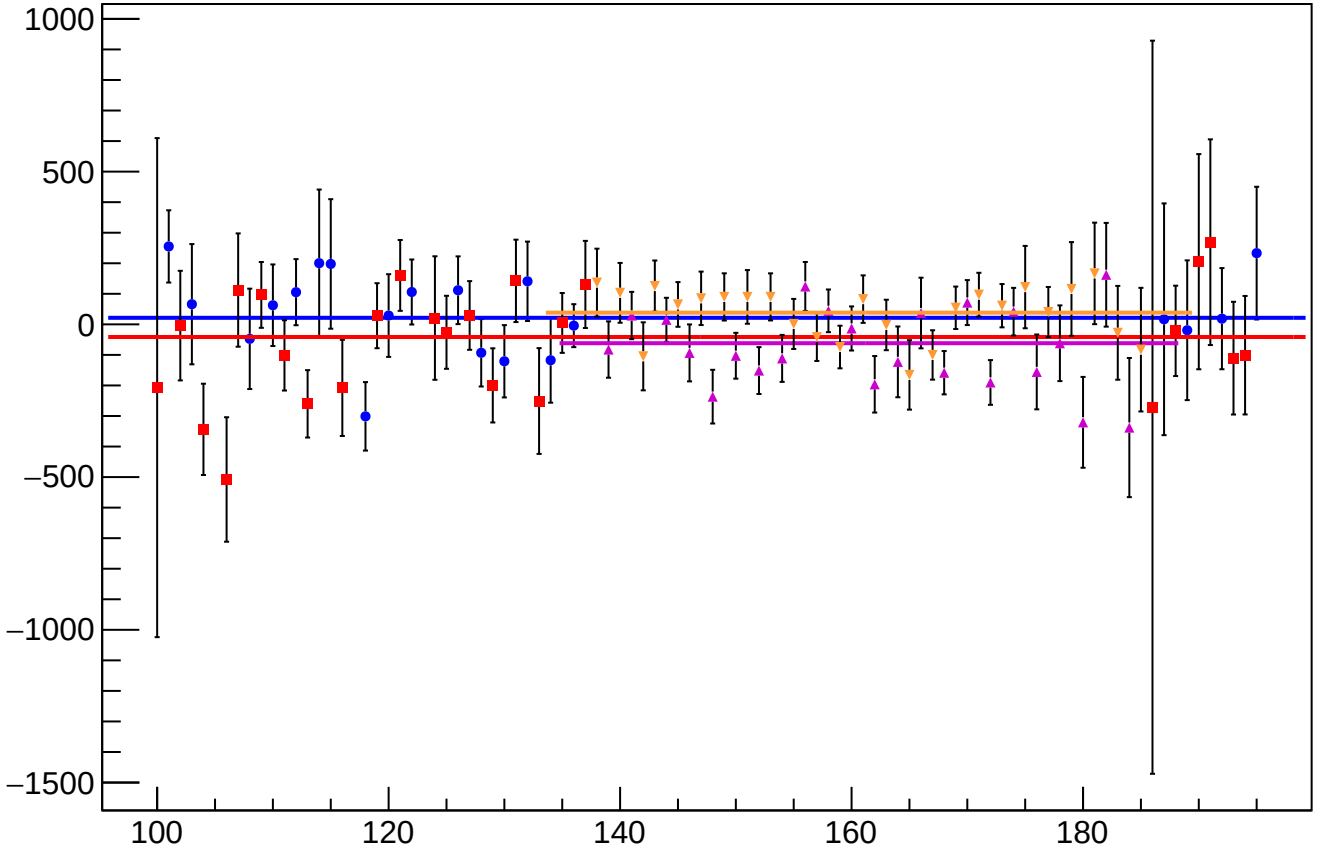
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 570.243+/-0.079 χ^2/NDF: 6494088.8/44

All: 574.220+/-0.057 χ^2/NDF: 14233354.3/92

- sign 578.366+/-0.081 χ^2/NDF: 7734148.5/47

eigen_dit_asym_sam_12345678_avg_mean vs Slug



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: -41.388+/-29.114 χ^2/NDF: 29.4/24

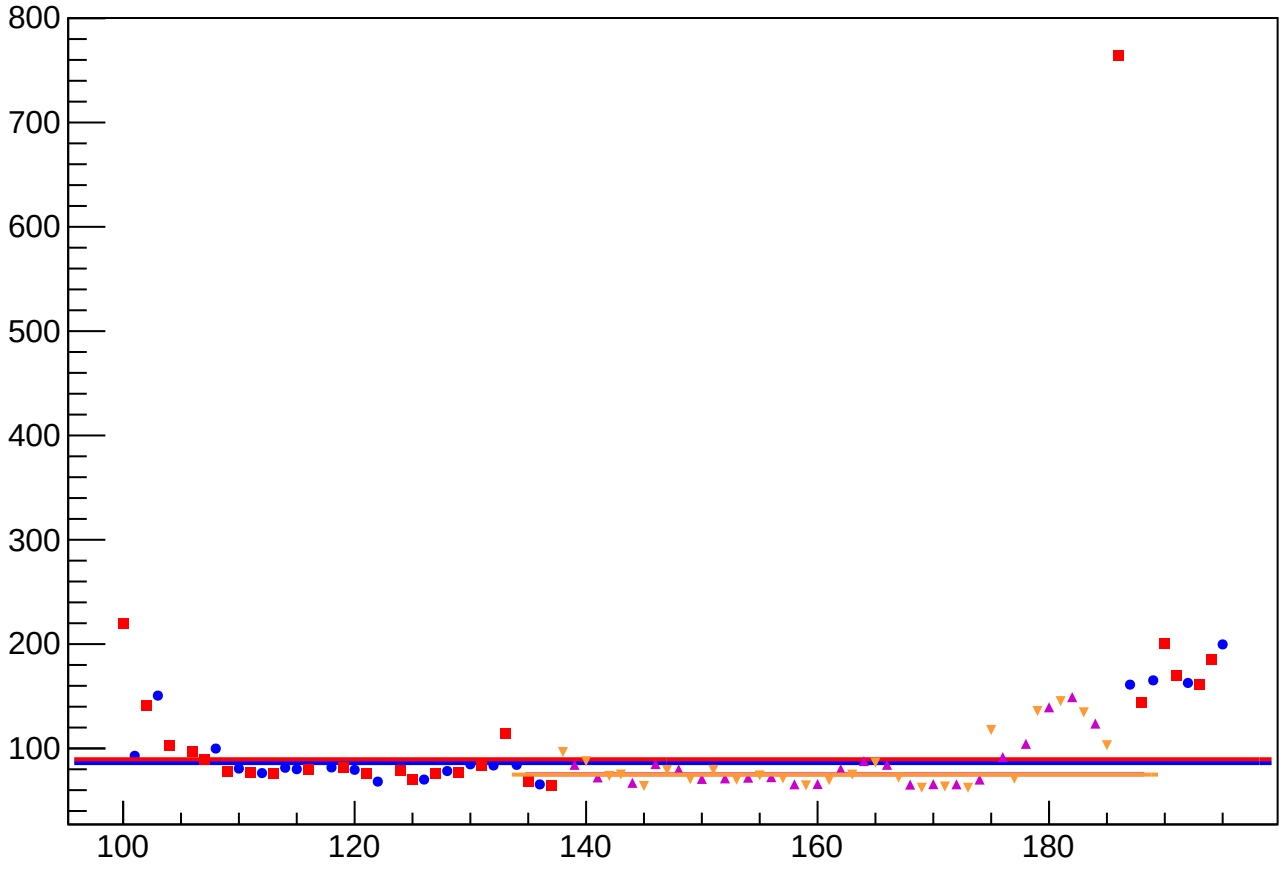
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.783+/-15.123 χ^2/NDF: 40.2/44

All: -10.219+/-10.800 χ^2/NDF: 123.9/92

- sign -56.013+/-15.428 χ^2/NDF: 66.4/47

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

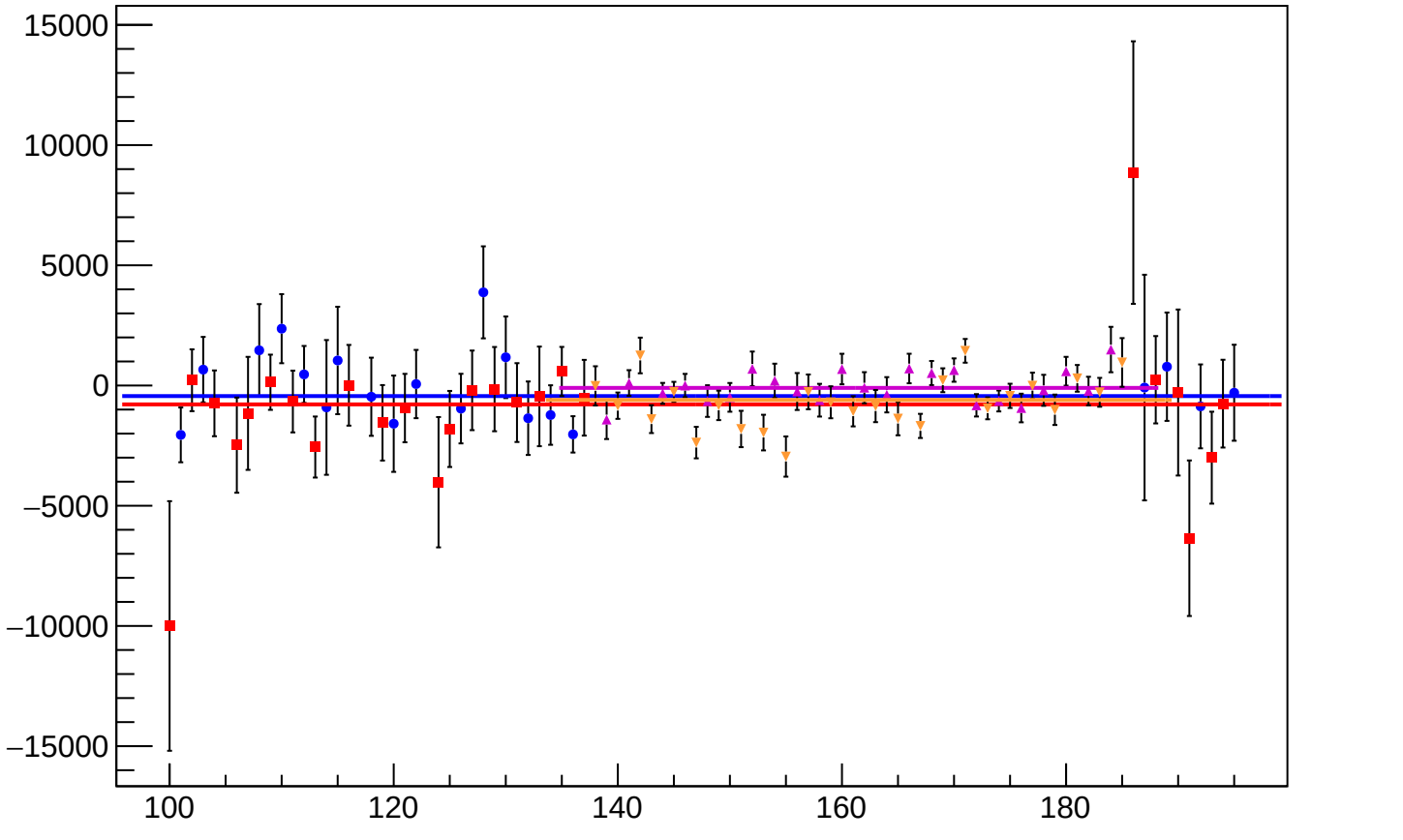
Right Out: 89.624+/-0.021 χ^2/NDF: 2671821.5/24

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 77.855+/-0.011 χ^2/NDF: 3709988.6/44

All: 78.523+/-0.008 χ^2/NDF: 8057537.4/92

- sign 79.218+/-0.011 χ^2/NDF: 4339584.3/47



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: -785.106+/-330.874 χ^2/NDF: 19.3/24

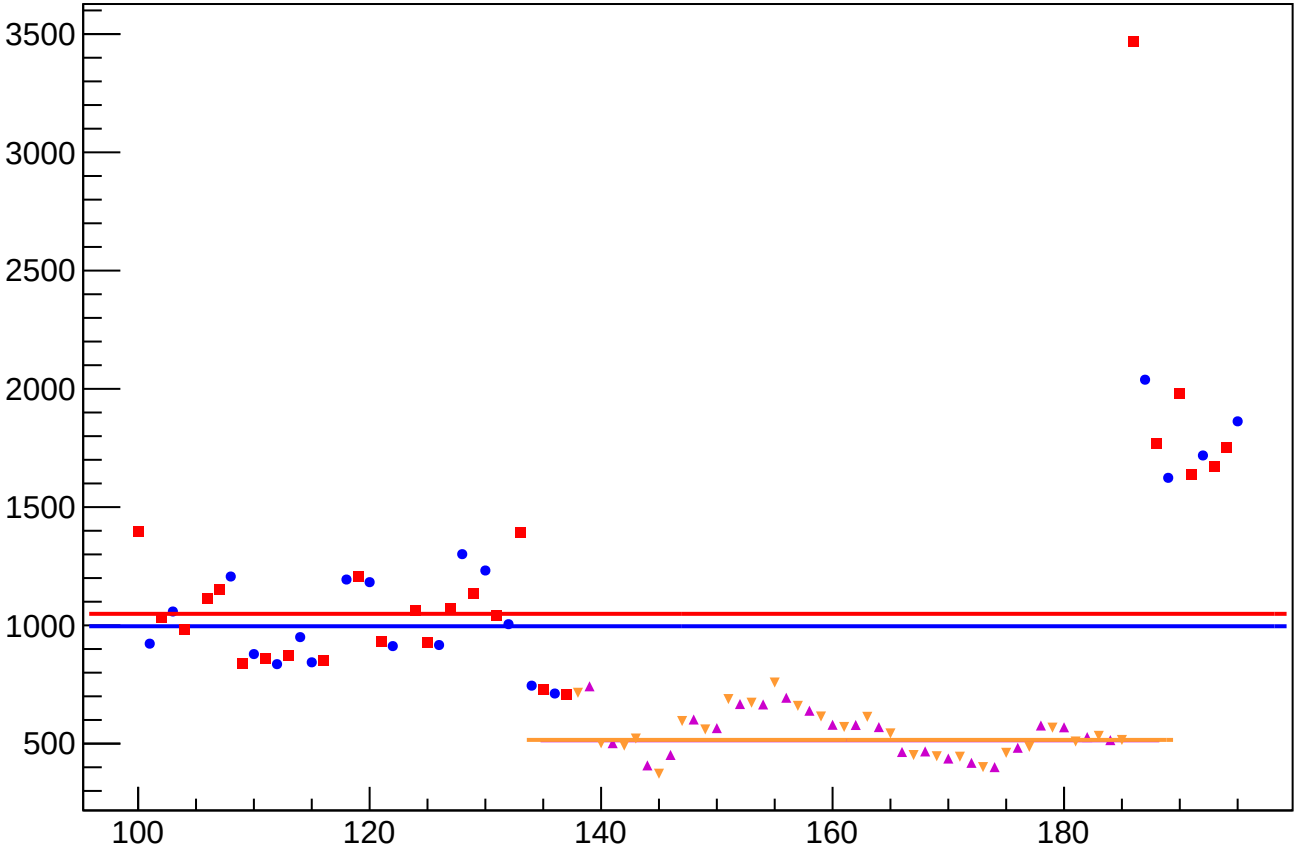
Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -580.772+/-112.356 χ^2/NDF: 85.9/44

All: -385.333+/-80.271 χ^2/NDF: 138.9/92

- sign -181.573+/-114.723 χ^2/NDF: 46.8/47

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



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: 1048.757+/-0.234 χ^2/NDF: 2022624.2/24

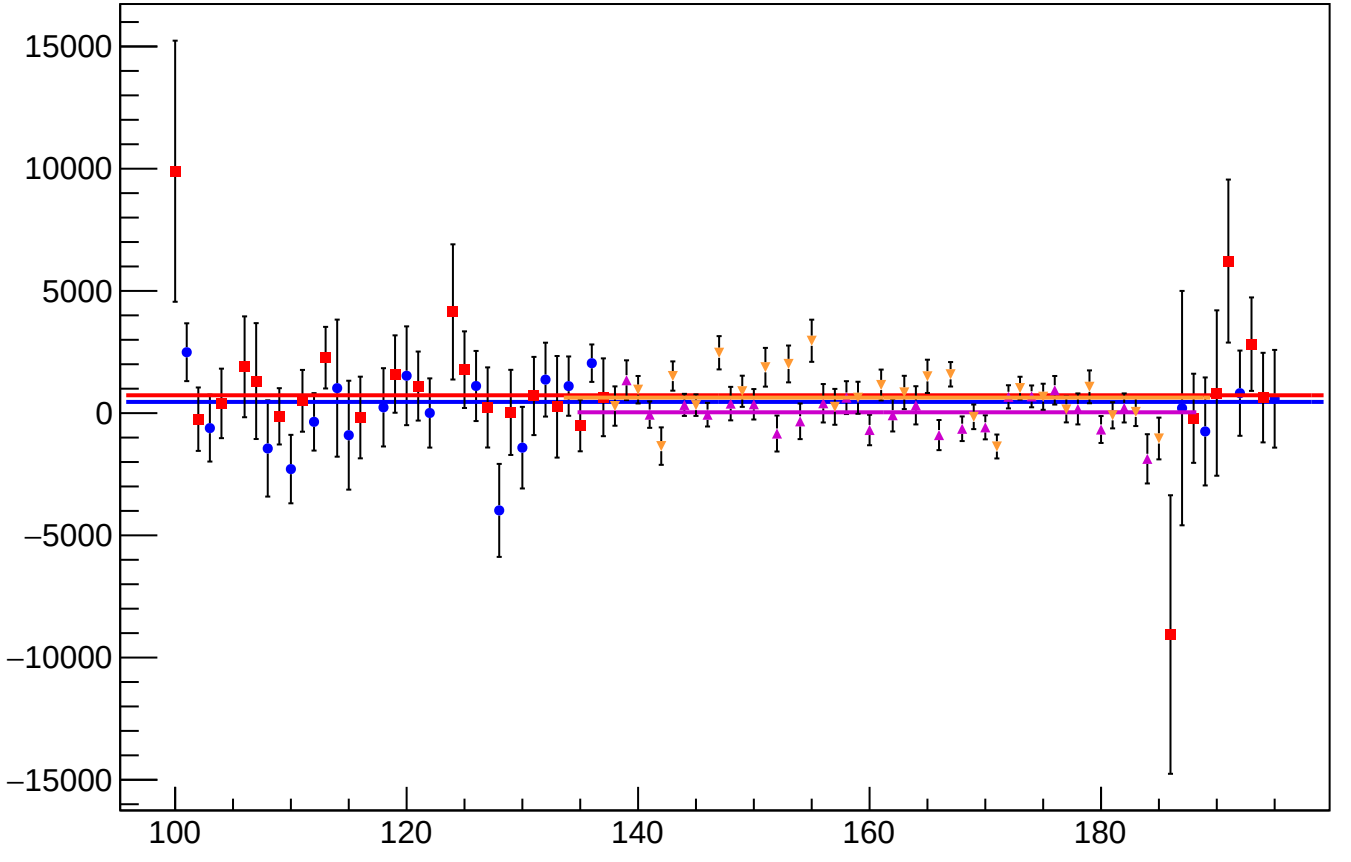
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 570.242+/-0.079 χ^2/NDF: 6494090.9/44

All: 574.219+/-0.057 χ^2/NDF: 14233351.7/92

- sign 578.365+/-0.081 χ^2/NDF: 7734143.6/47

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: 730.472+/-332.647 χ^2/NDF: 17.5/24

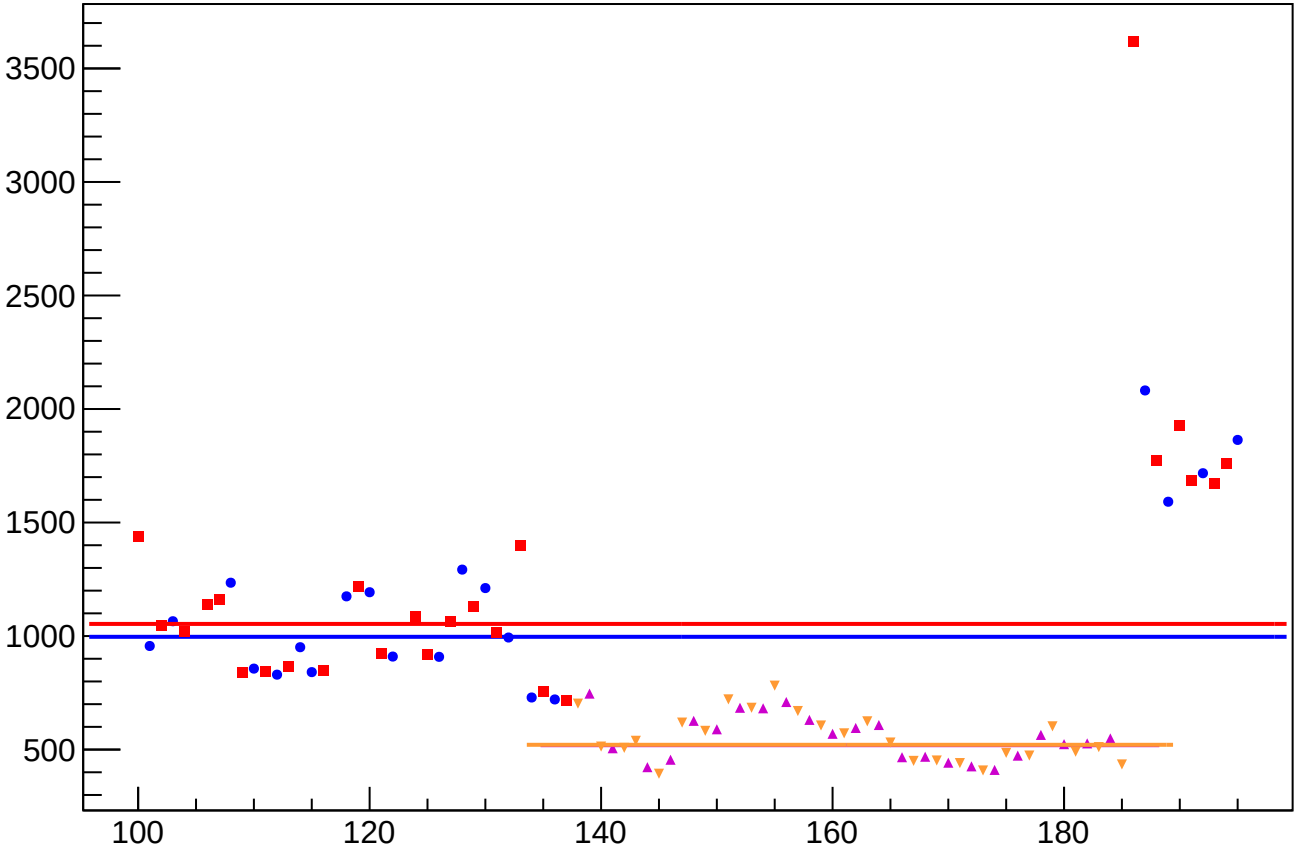
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 614.417+/-113.522 χ^2/NDF: 86.6/44

All: 371.662+/-81.063 χ^2/NDF: 142.3/92

- sign 119.101+/-115.792 χ^2/NDF: 46.4/47

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

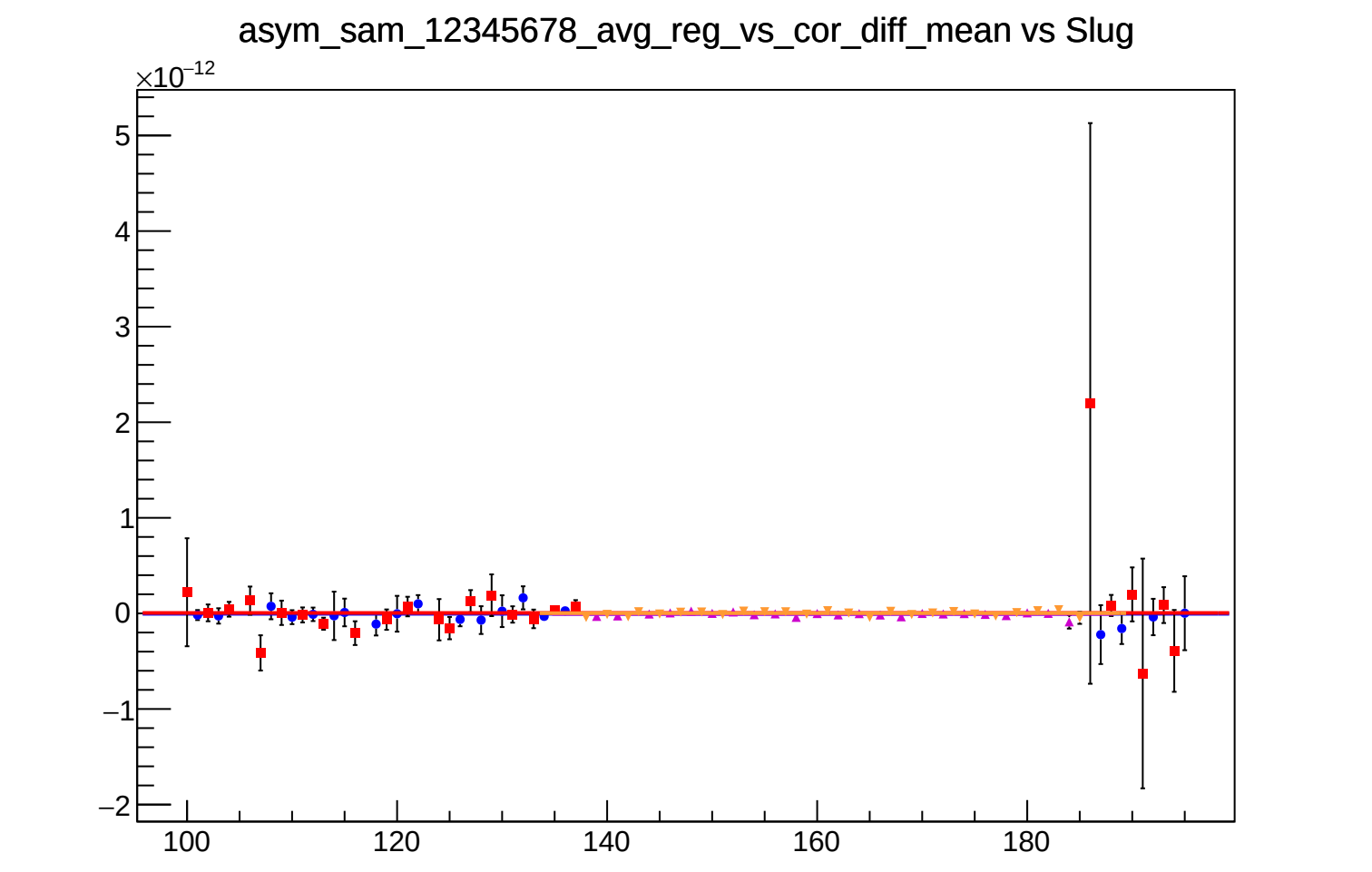
Right Out: 1053.417+/-0.235 χ^2/NDF: 2011595.5/24

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 576.027+/-0.080 χ^2/NDF: 6402963.0/44

All: 579.917+/-0.057 χ^2/NDF: 14052422.7/92

- sign 583.966+/-0.082 χ^2/NDF: 7644665.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

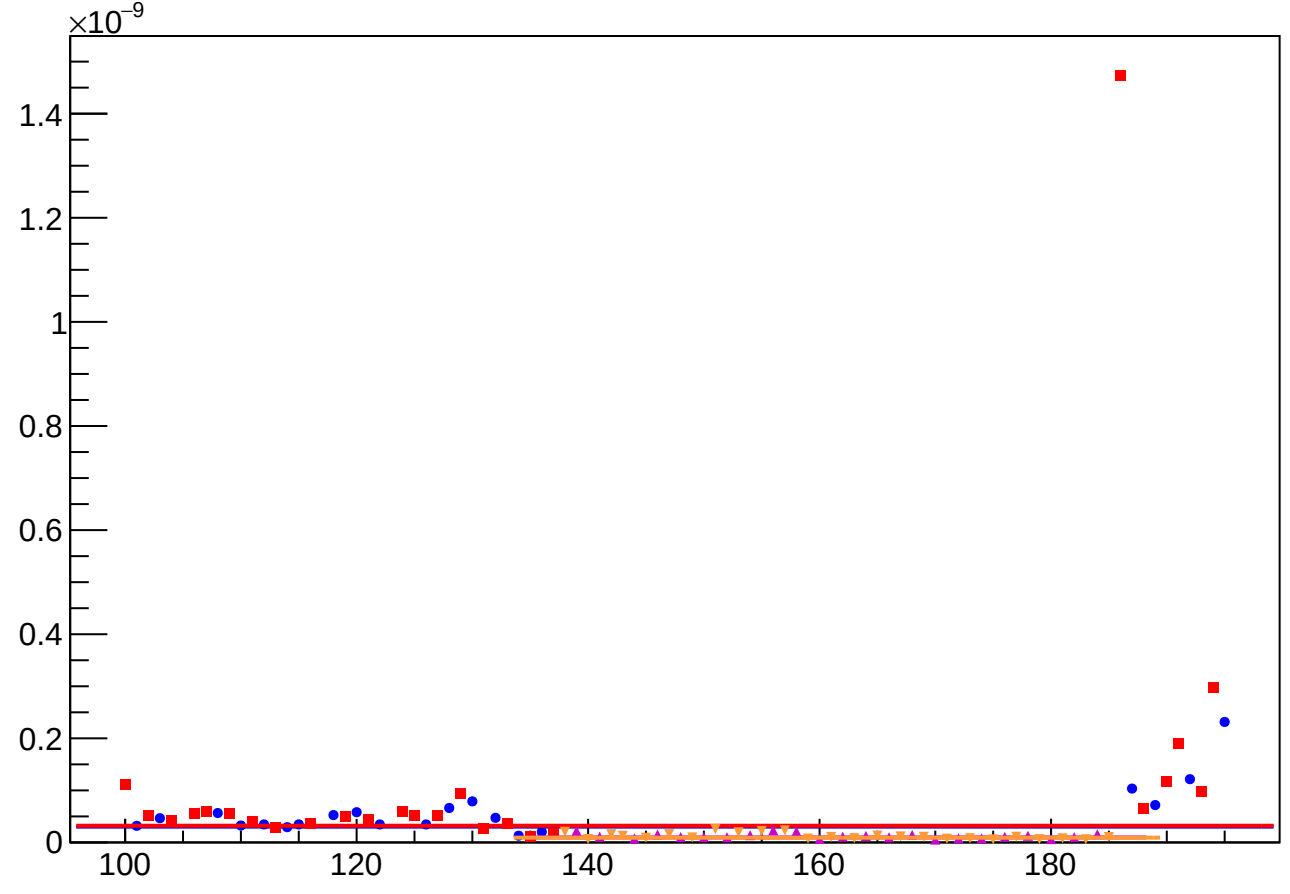
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/24

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: 65.9/92

- sign -0.000+/-0.000 χ^2/NDF: 33.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 2416973.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

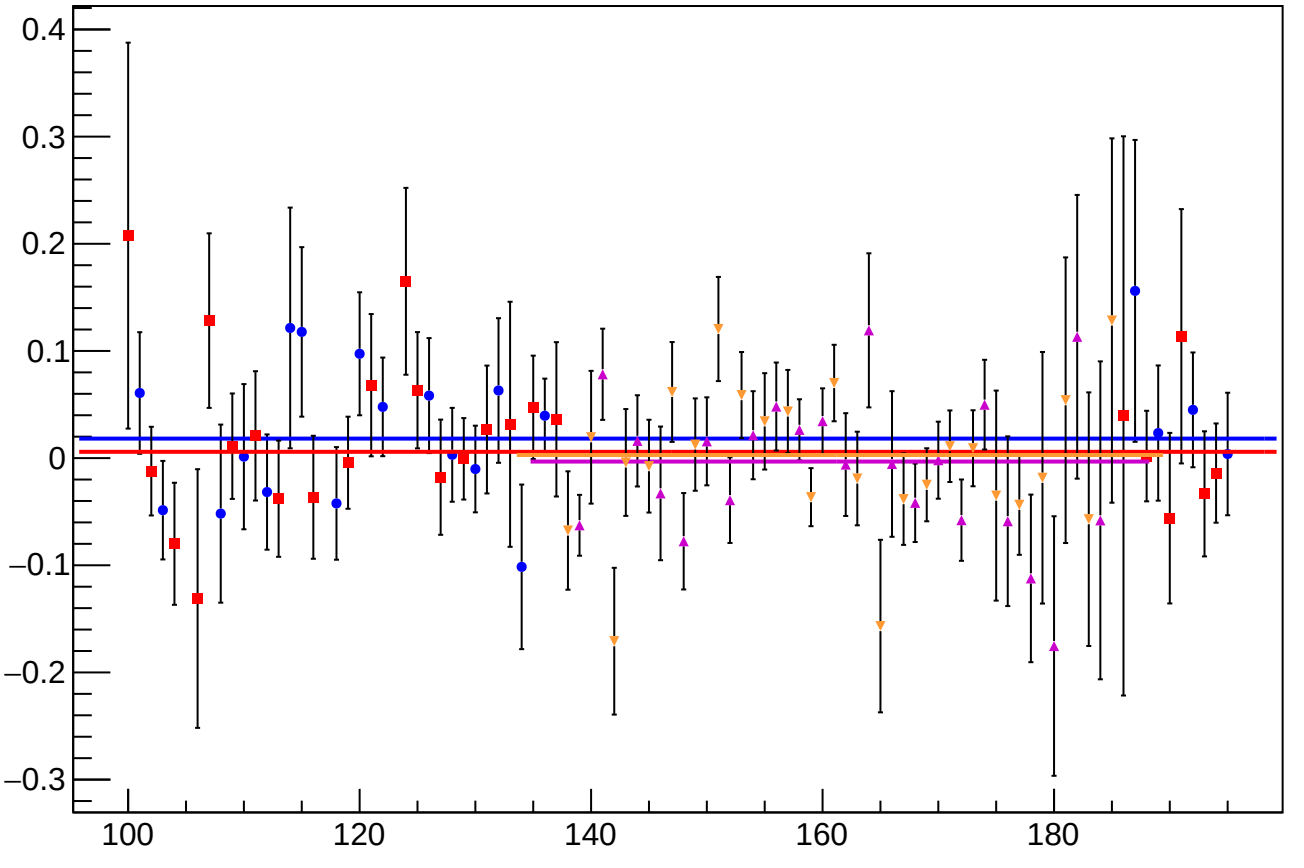
Right Out: 0.000+/-0.000 χ^2/NDF: 3591793.2/24

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: 15315818.4/92

- sign 0.000+/-0.000 χ^2/NDF: 7939846.3/47



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: 0.006+/-0.012 χ^2/NDF: 17.3/24

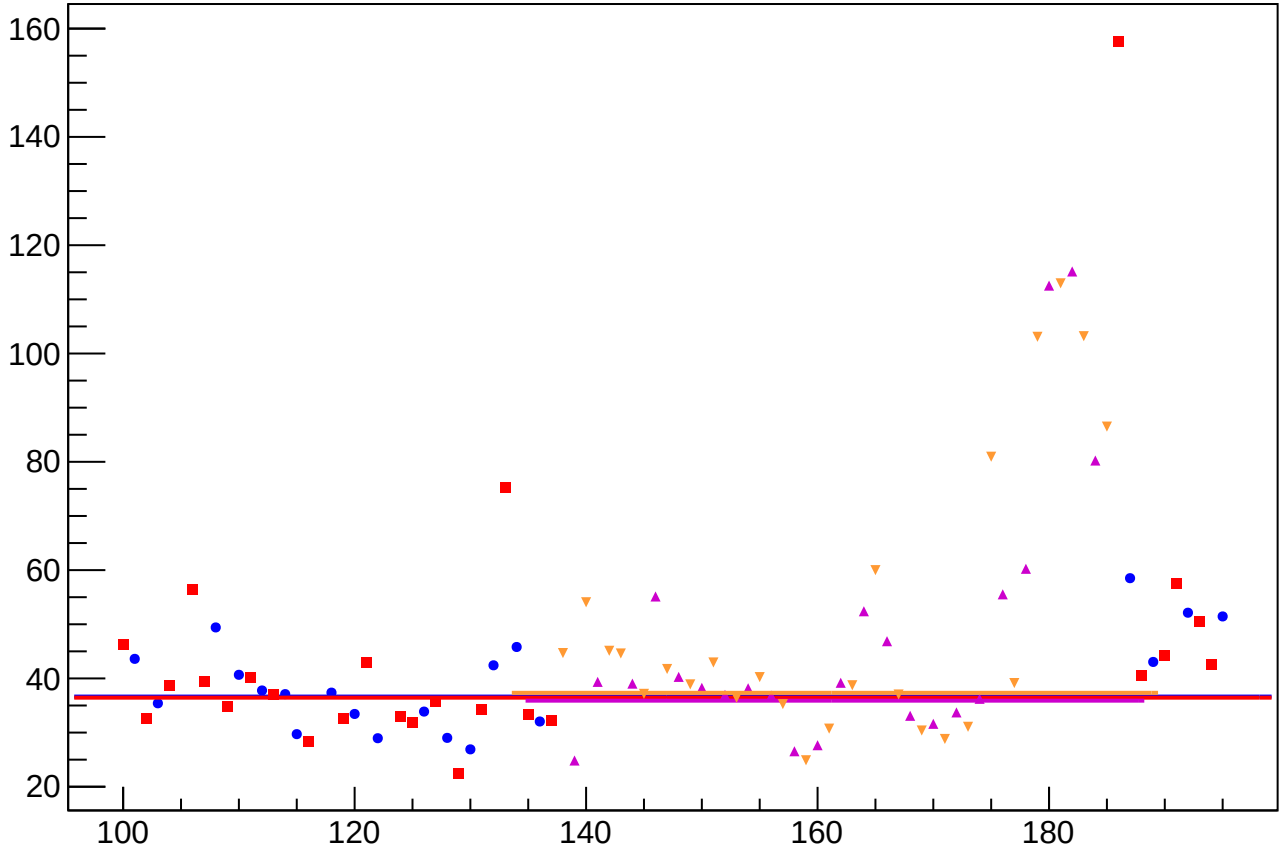
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47

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

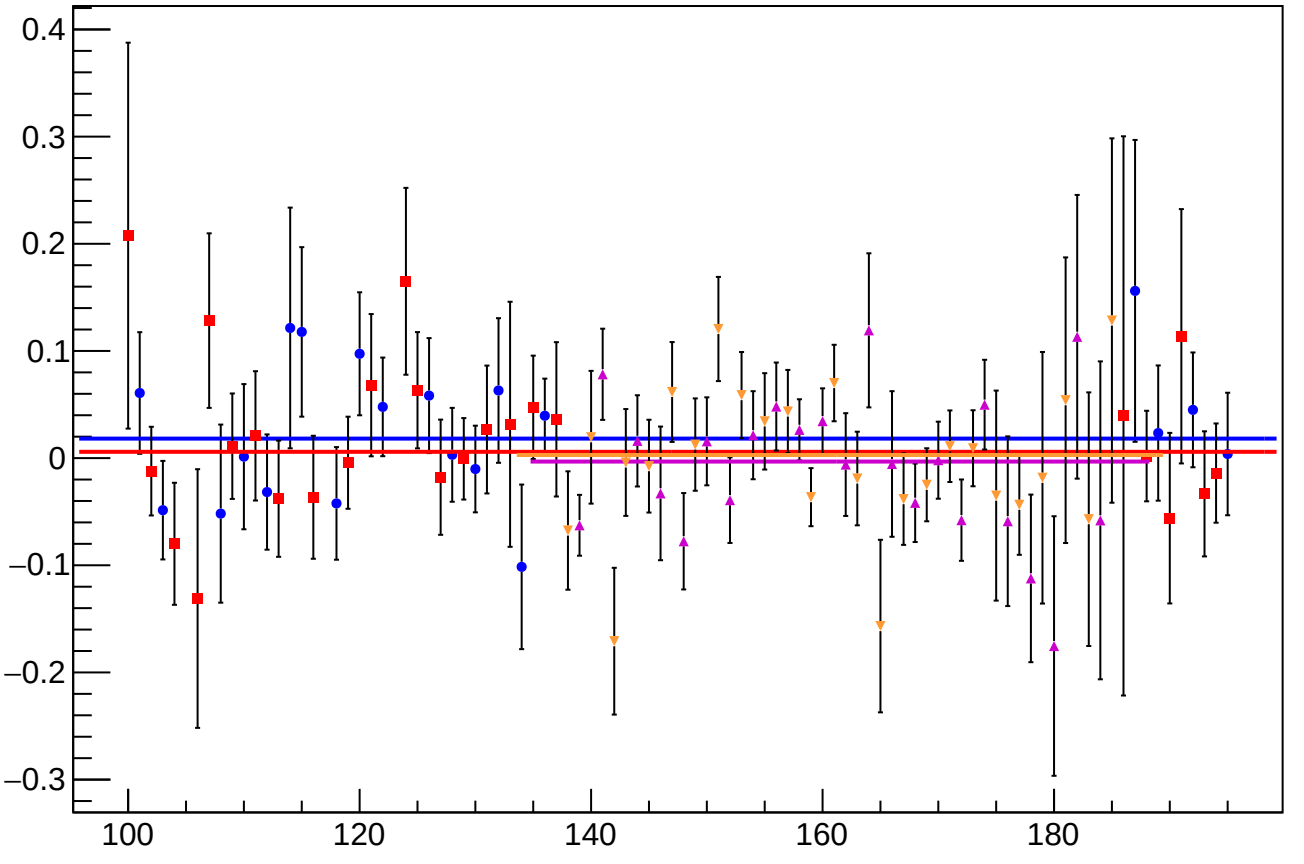
Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495774.9/44

All: 36.587+/-0.004 χ^2/NDF: 9048054.8/92

- sign 36.106+/-0.005 χ^2/NDF: 4534012.2/47



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

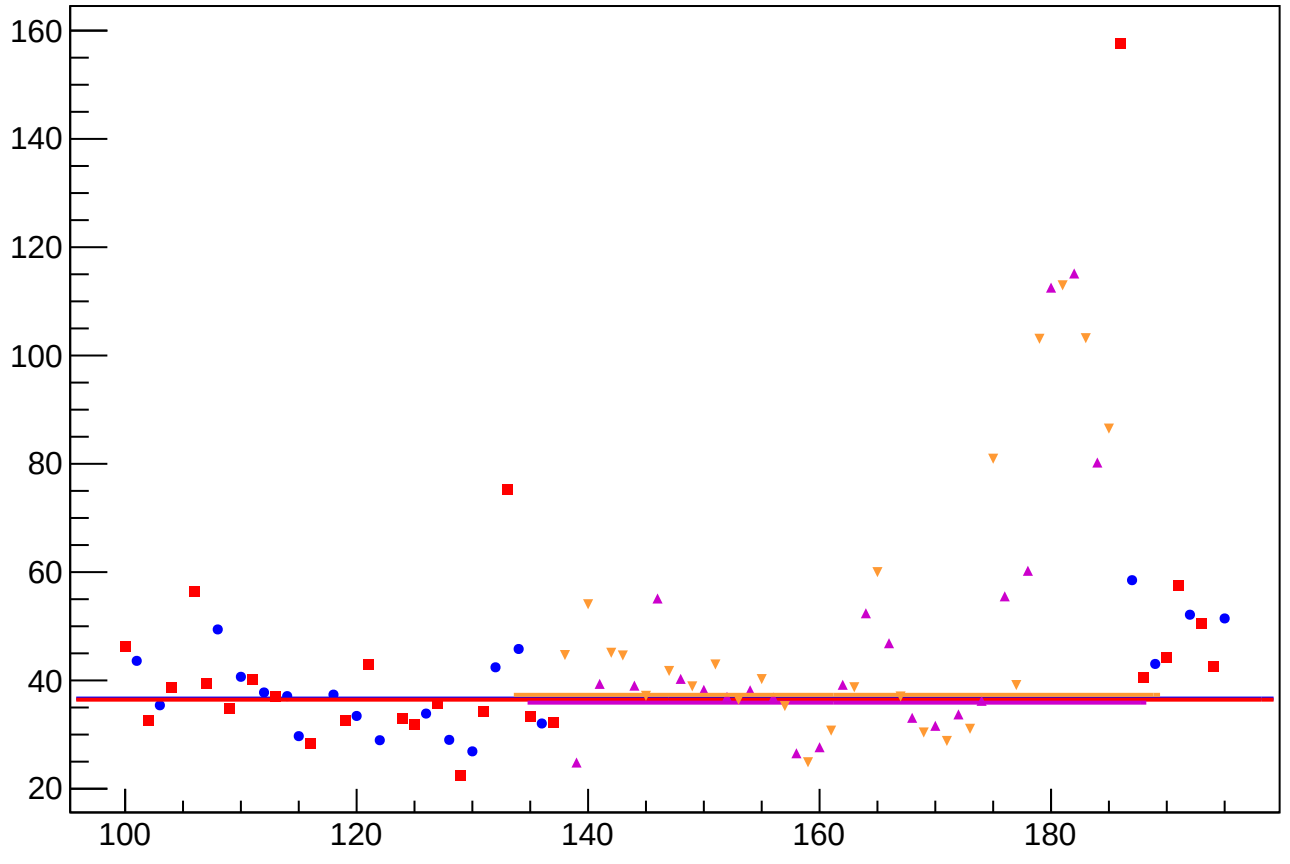
Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47



Right In: 36.649+/-0.009 χ^2/NDF: 795082.6/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

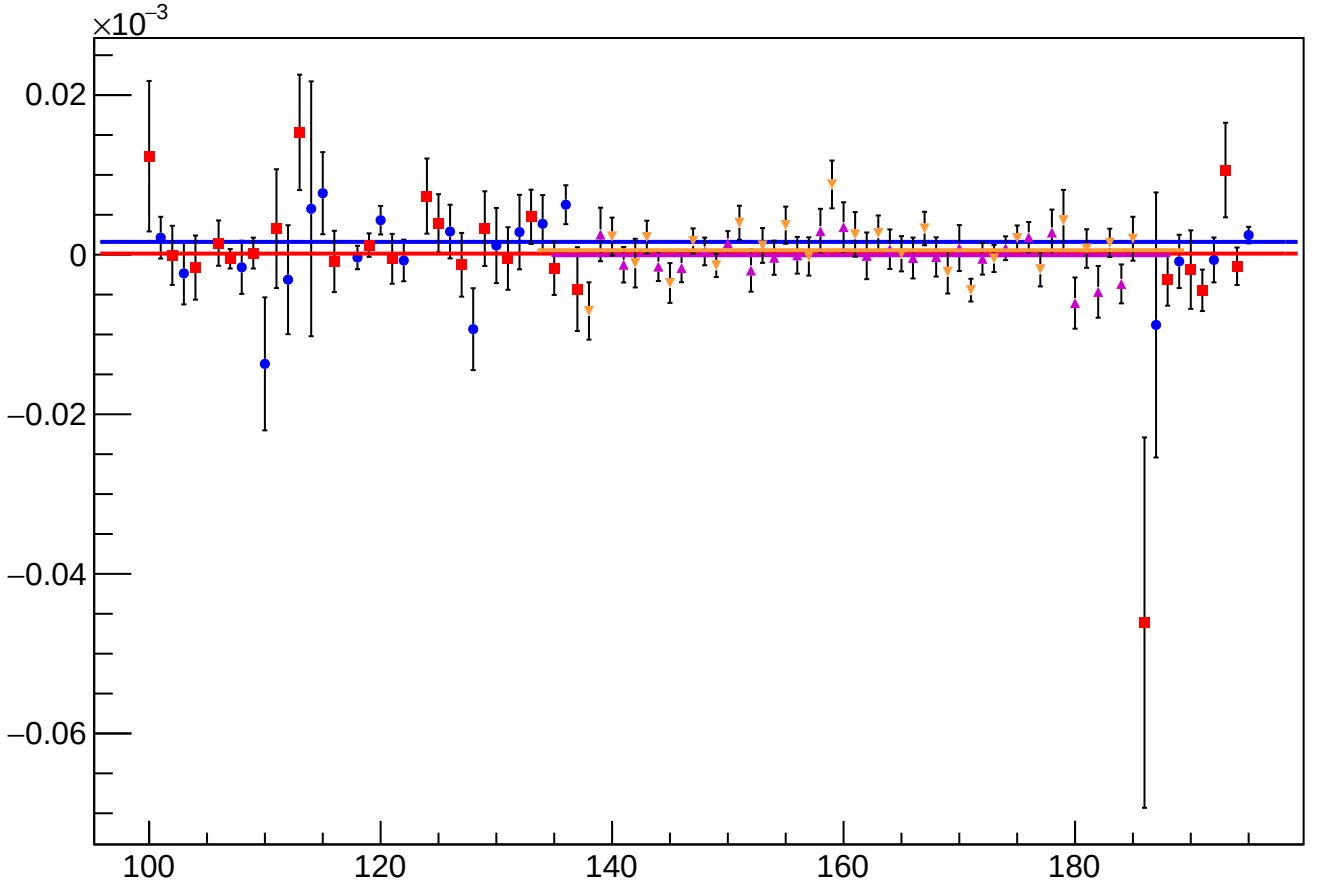
Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495774.9/44

All: 36.587+/-0.004 χ^2/NDF: 9048054.8/92

- sign 36.106+/-0.005 χ^2/NDF: 4534012.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

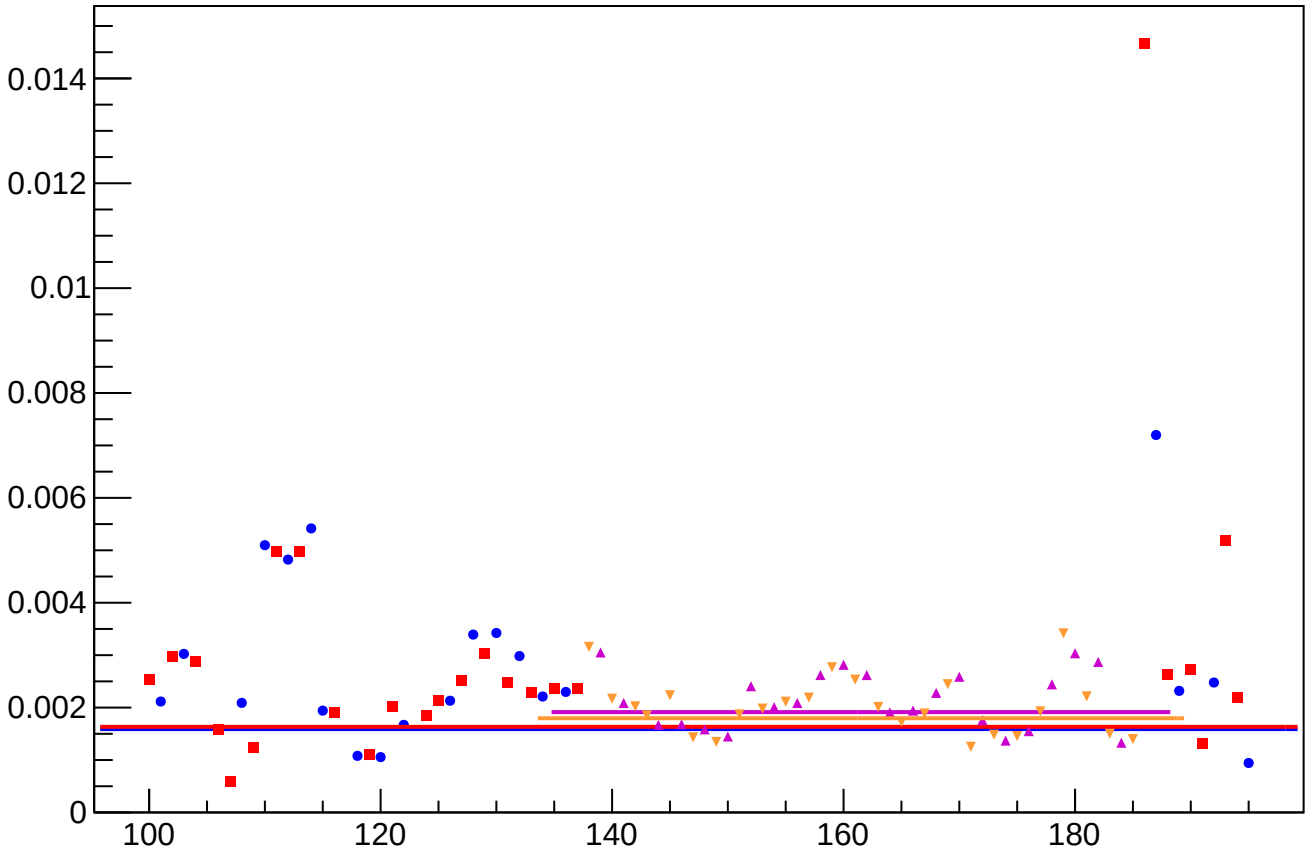
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

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: 115.6/92

- sign 0.000+/-0.000 χ^2/NDF: 43.4/47



Right In: 0.002+/-0.000 χ^2/NDF: 4054517.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

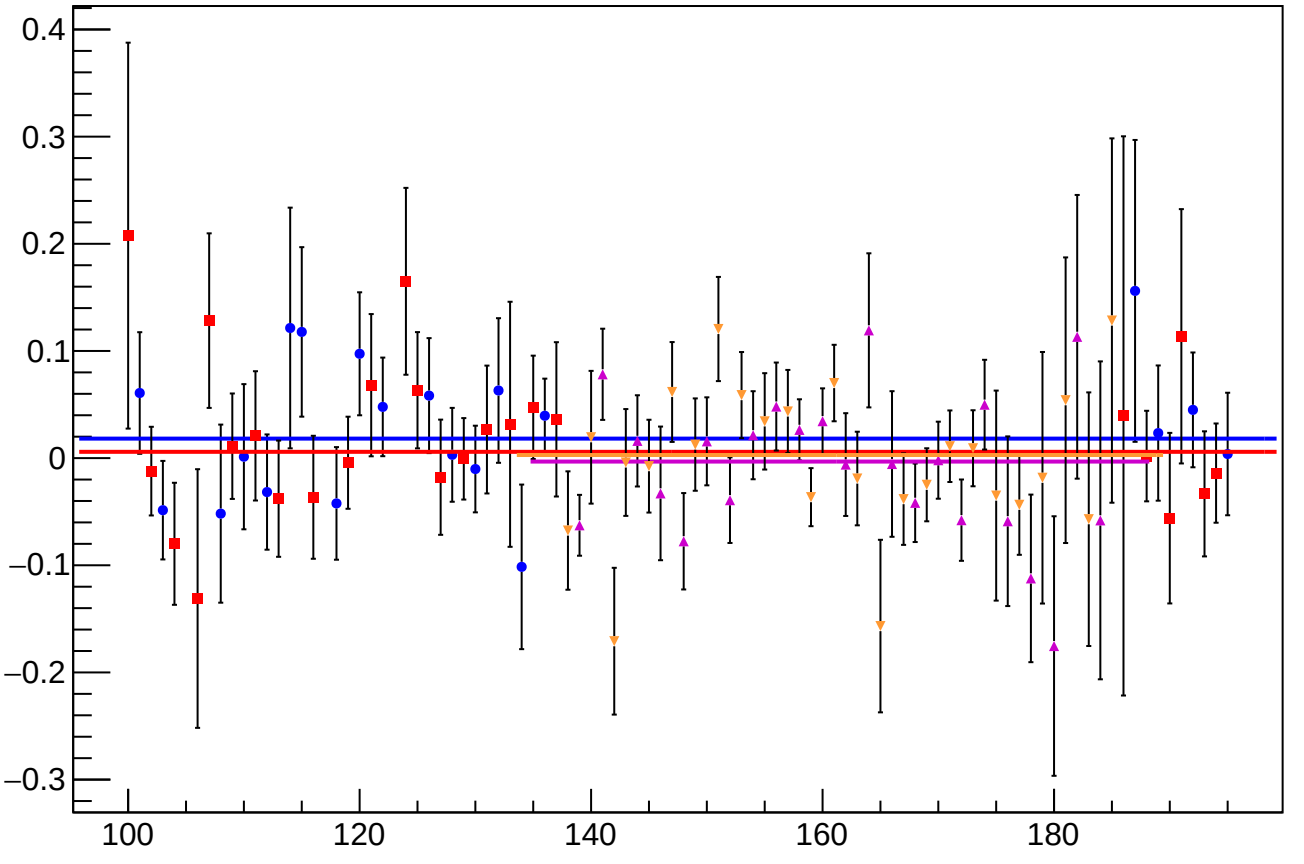
Right Out: 0.002+/-0.000 χ^2/NDF: 5553392.0/24

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: 14553901.5/92

- sign 0.002+/-0.000 χ^2/NDF: 8005905.7/47



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

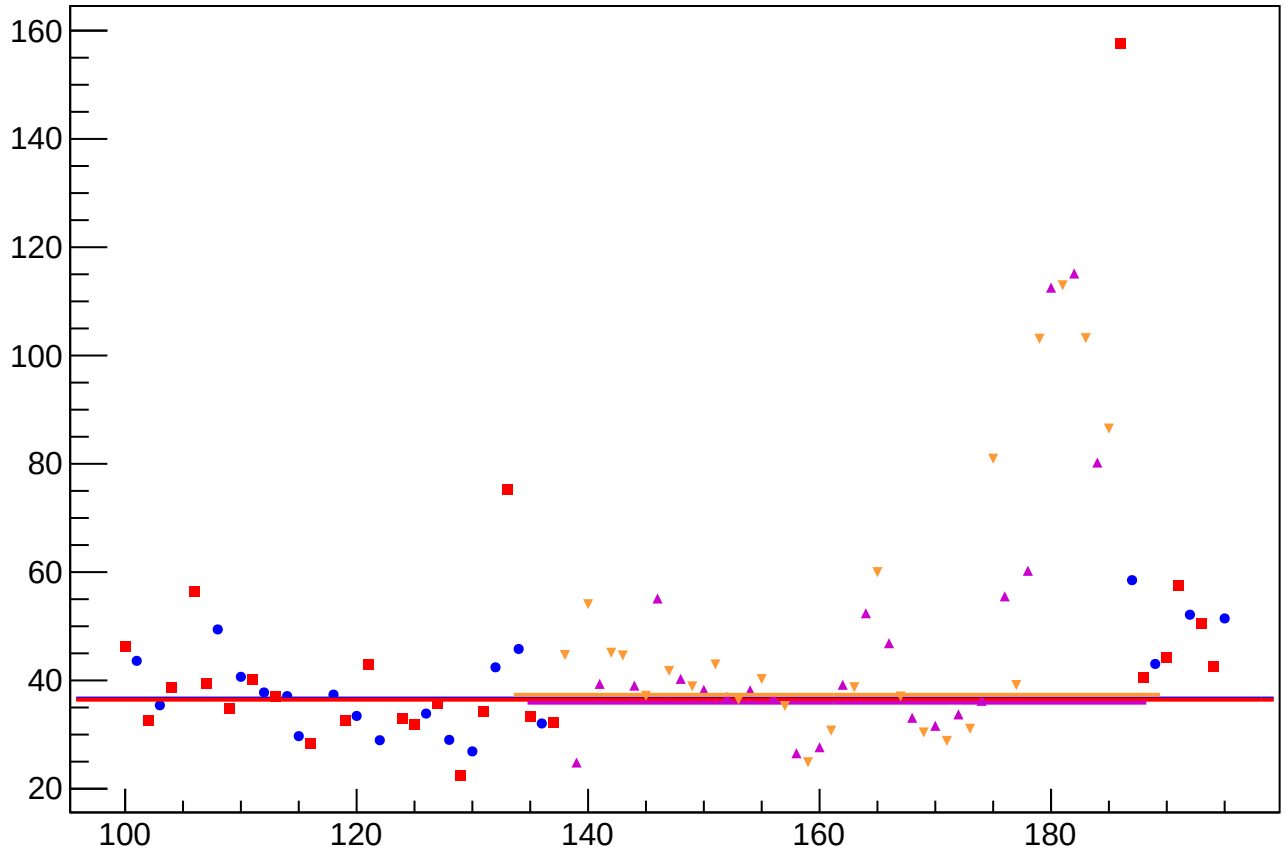
Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

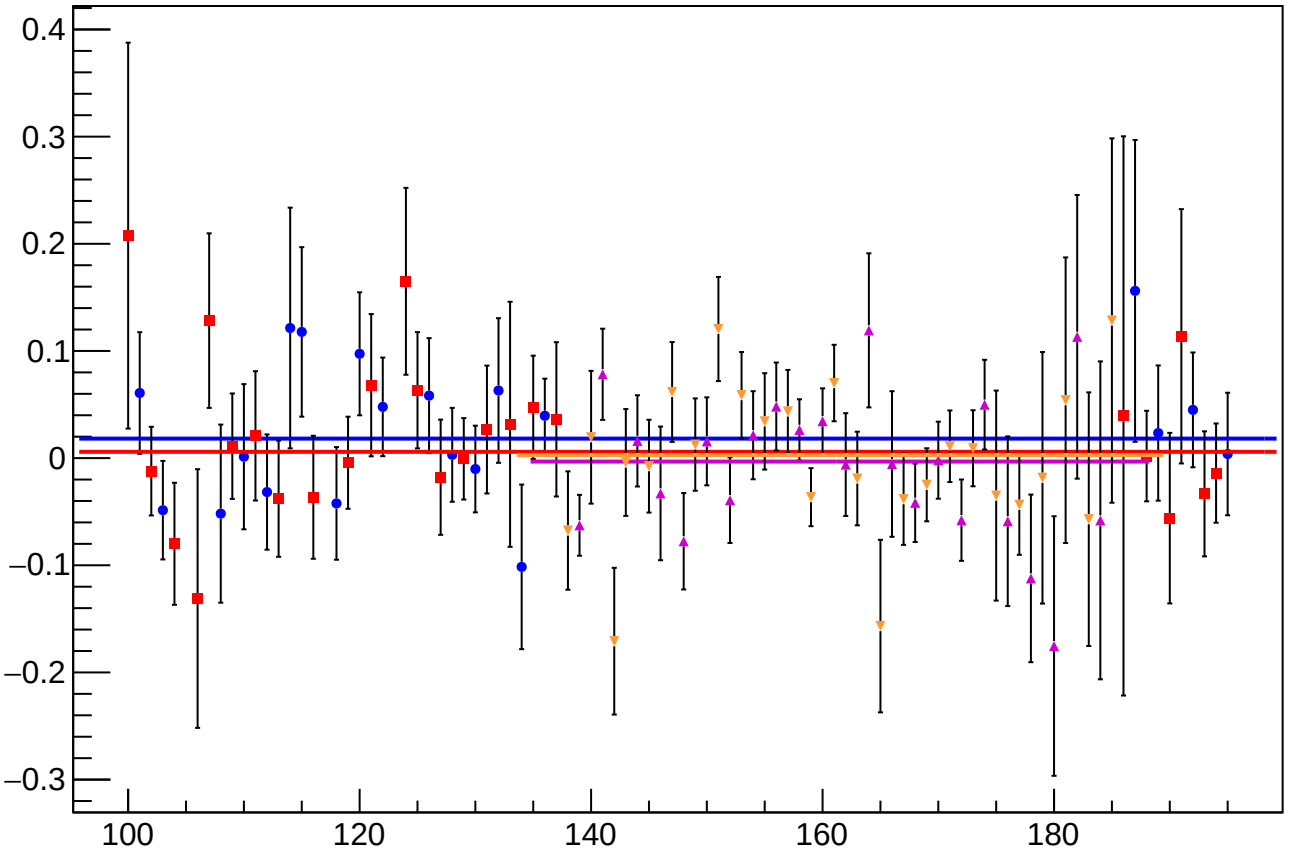
Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495922.3/44

All: 36.587+/-0.004 χ^2/NDF: 9048283.7/92

- sign 36.106+/-0.005 χ^2/NDF: 4534100.7/47



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: 0.006+/-0.012 χ^2/NDF: 17.3/24

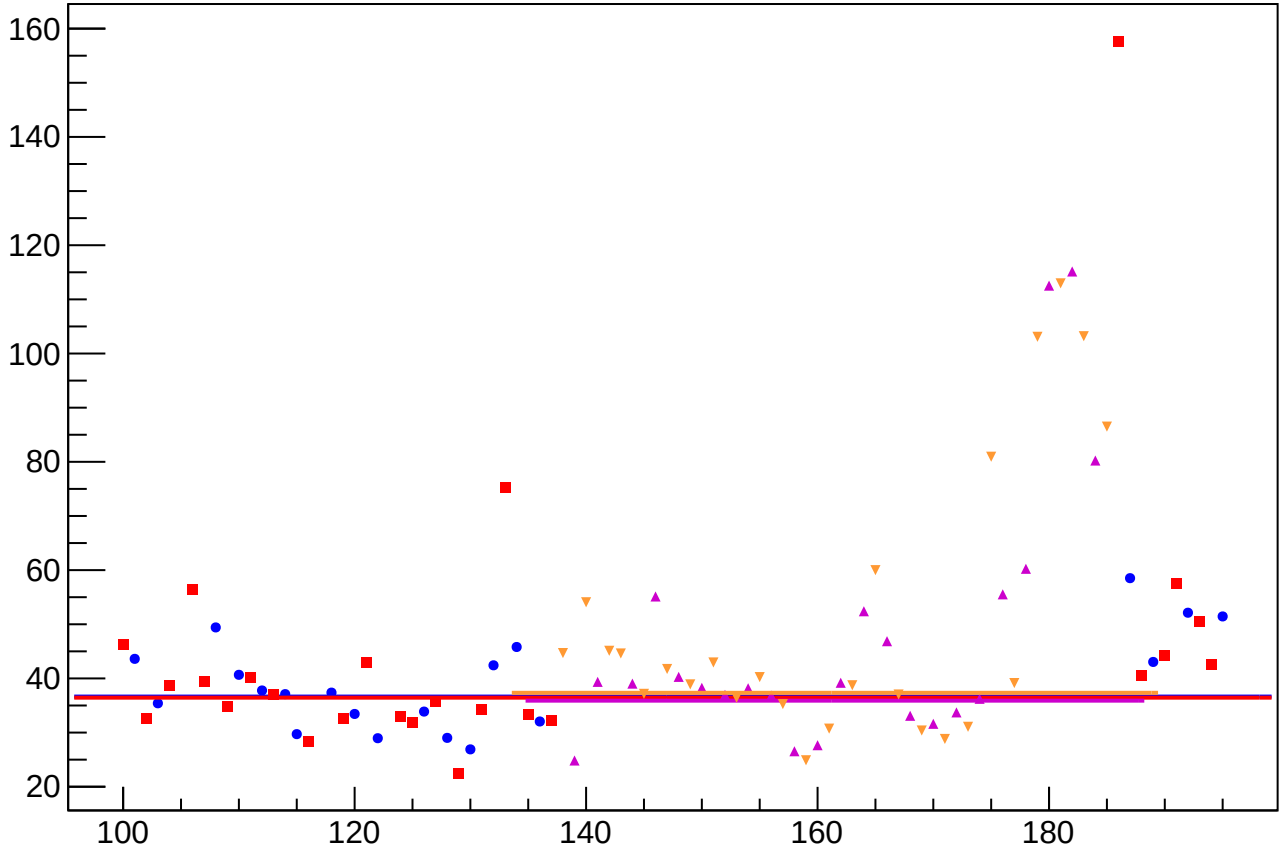
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/44

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

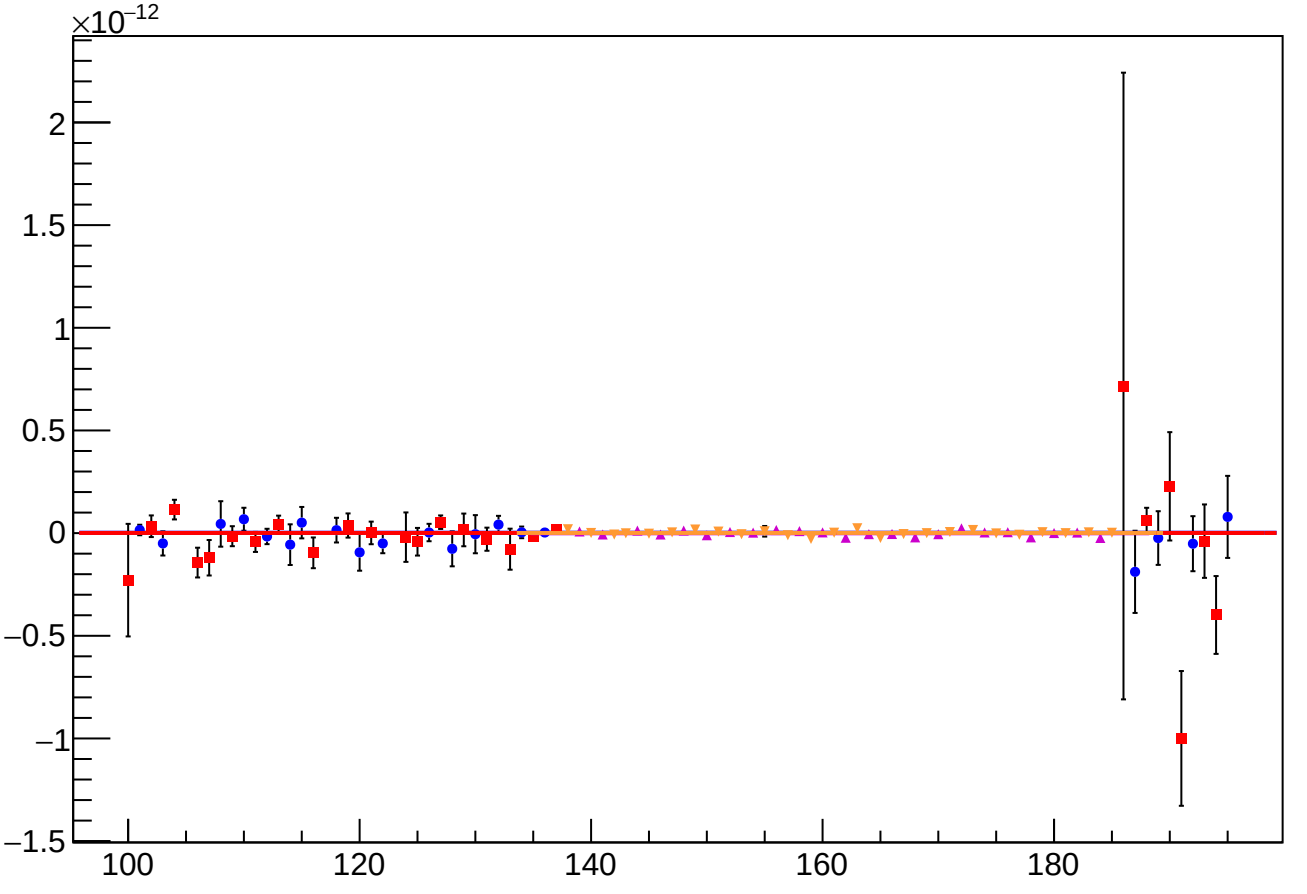
Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.094+/-0.005 χ^2/NDF: 4495922.3/44

All: 36.587+/-0.004 χ^2/NDF: 9048283.7/92

- sign 36.106+/-0.005 χ^2/NDF: 4534100.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

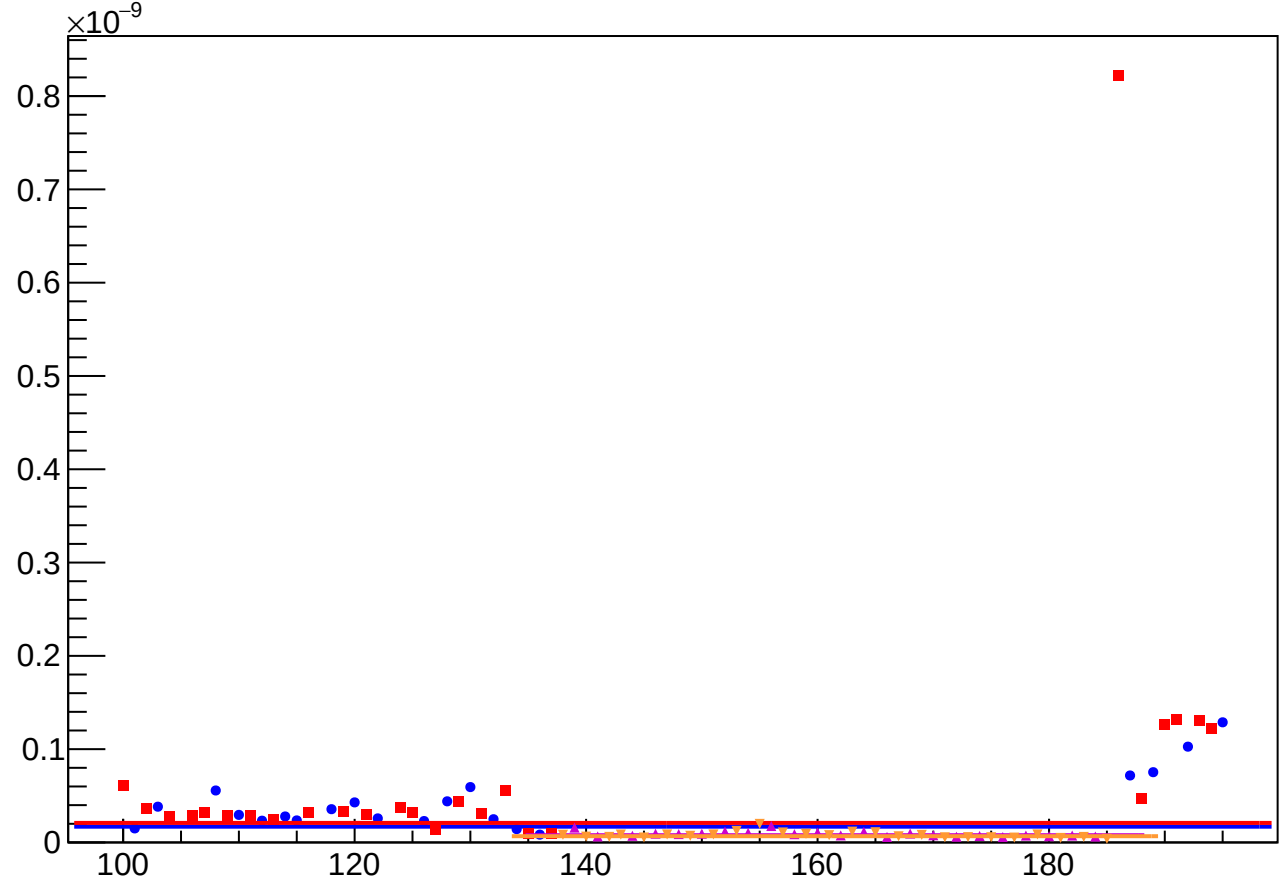
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/24

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: 97.0/92

- sign -0.000+/-0.000 χ^2/NDF: 66.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 4841628.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5256045.1/24

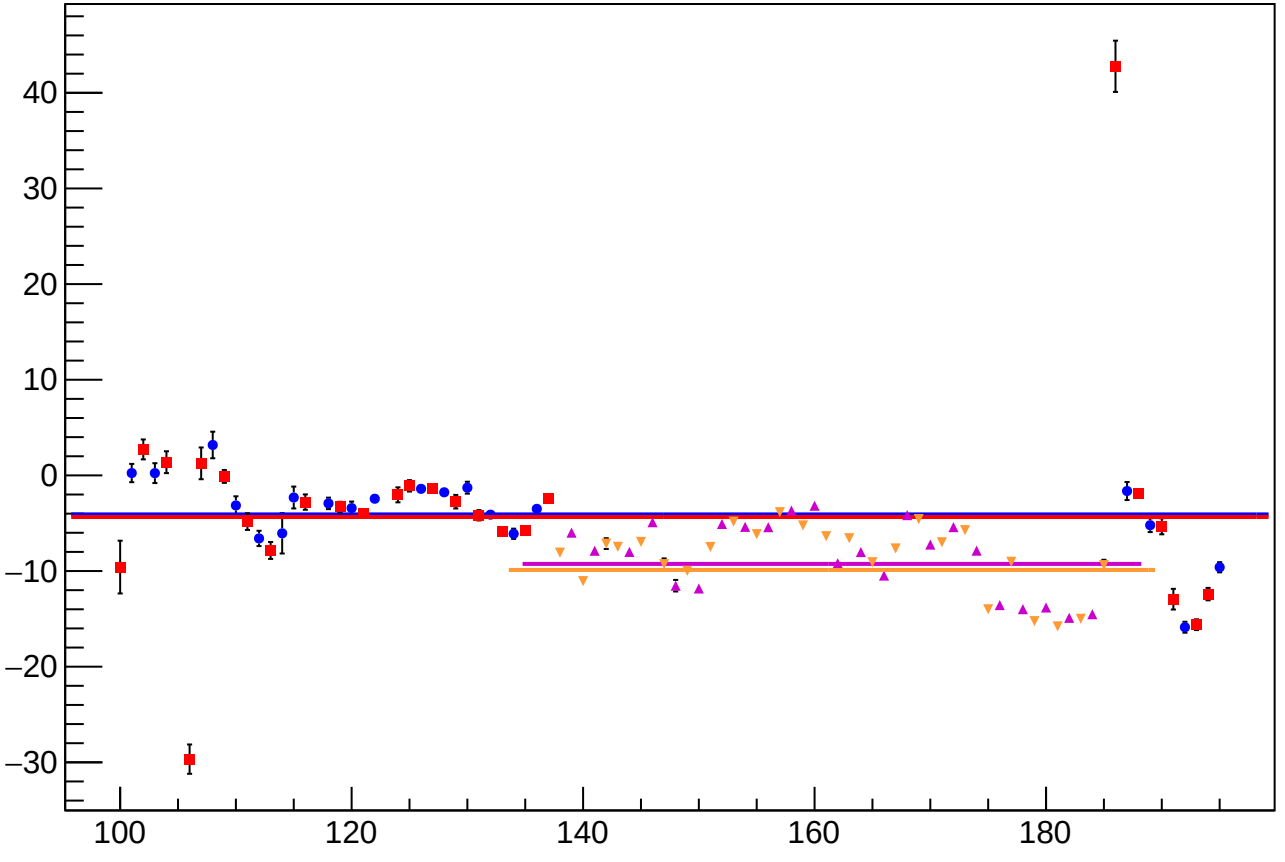
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9666771.6/44

All: 0.000+/-0.000 χ^2/NDF: 20103705.6/92

- sign 0.000+/-0.000 χ^2/NDF: 10111751.0/47

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: -4.351+/-0.121 χ^2/NDF: 1543.6/24

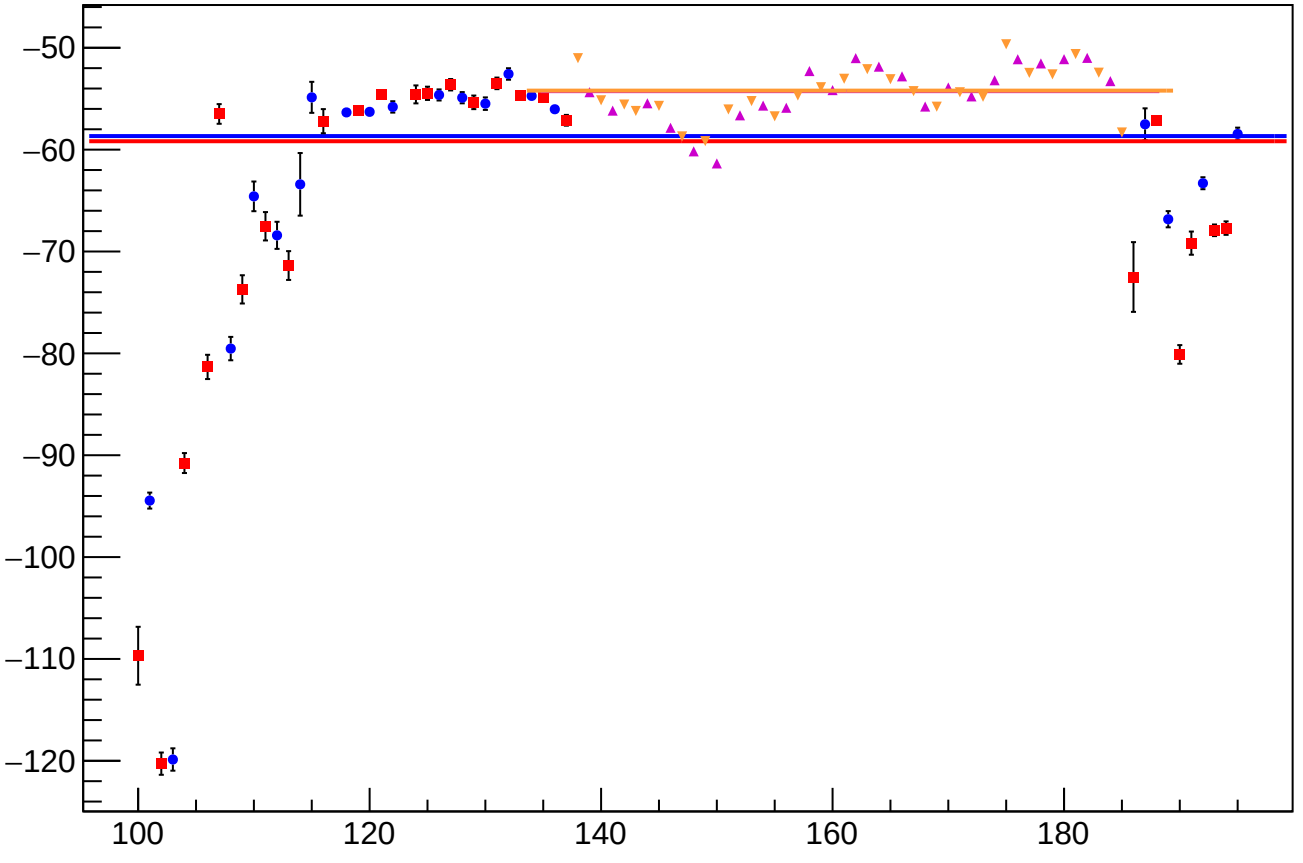
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.510+/-0.061 χ^2/NDF: 5590.4/44

All: -8.249+/-0.043 χ^2/NDF: 11456.3/92

- sign -7.981+/-0.062 χ^2/NDF: 5828.6/47

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: -59.175+/-0.125 χ^2/NDF: 6926.0/24

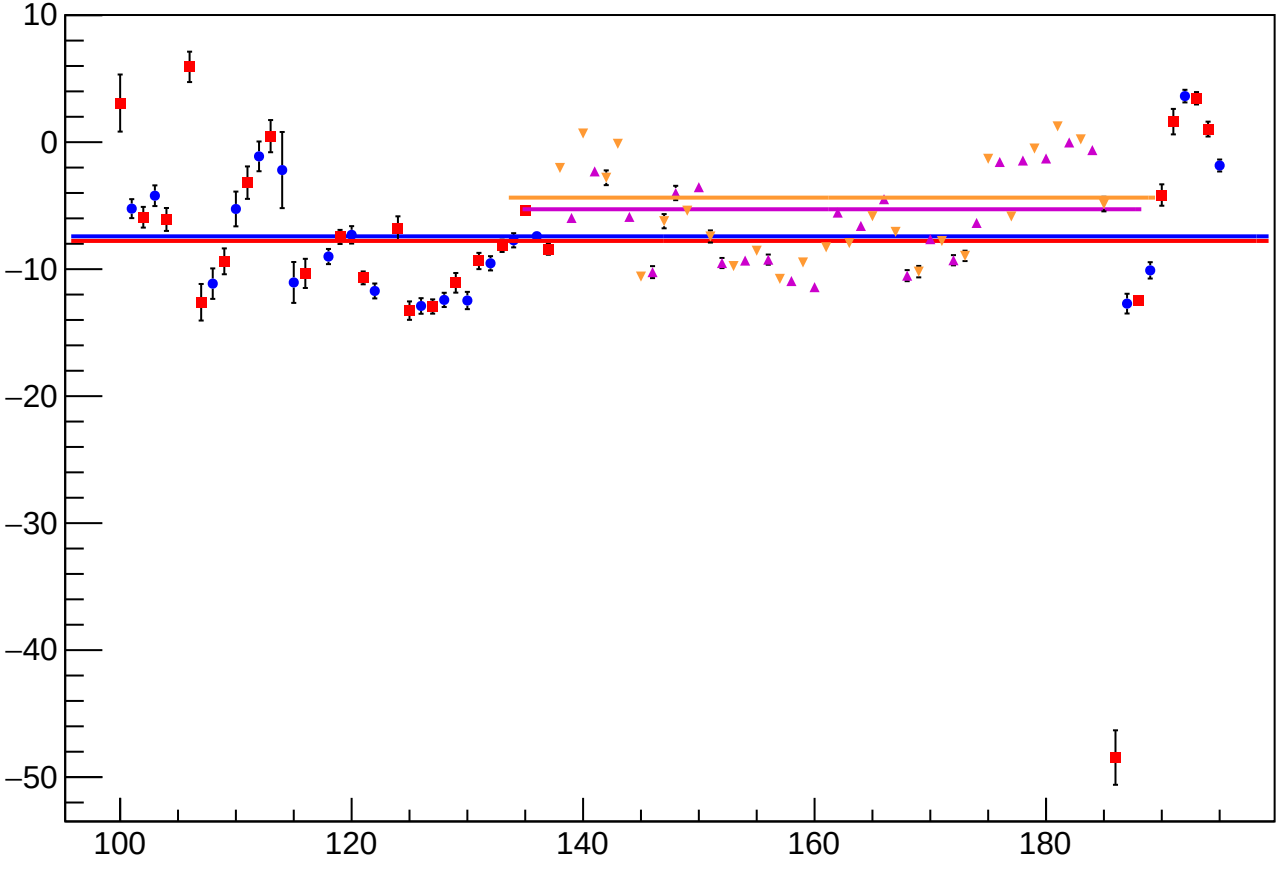
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.928+/-0.051 χ^2/NDF: 9197.2/44

All: -55.028+/-0.037 χ^2/NDF: 19889.9/92

- sign -55.135+/-0.053 χ^2/NDF: 10684.8/47

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: -7.777+/-0.122 χ^2/NDF: 2034.4/24

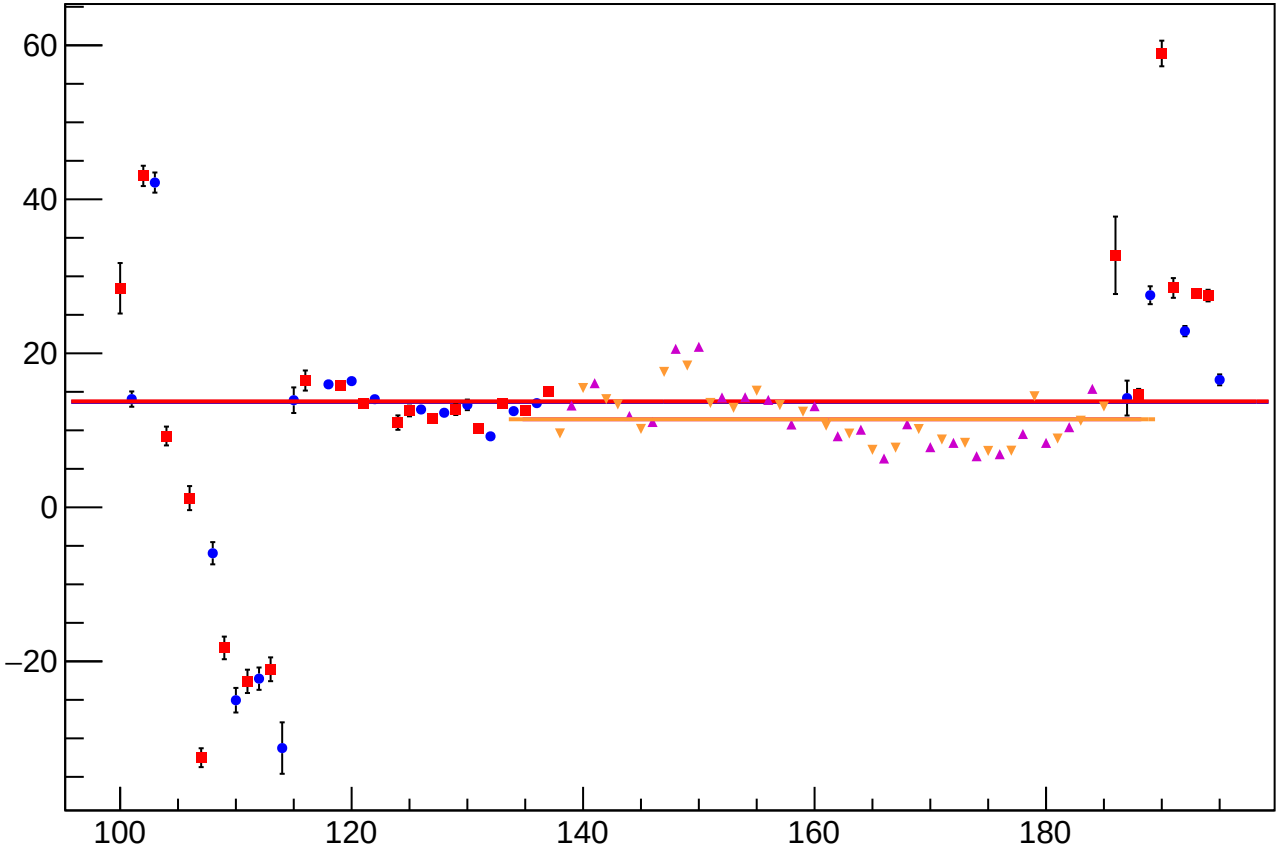
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.051+/-0.061 χ^2/NDF: 5195.1/44

All: -5.479+/-0.043 χ^2/NDF: 10390.4/92

- sign -5.913+/-0.061 χ^2/NDF: 5096.0/47

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: 13.760+/-0.143 χ^2/NDF: 5364.8/24

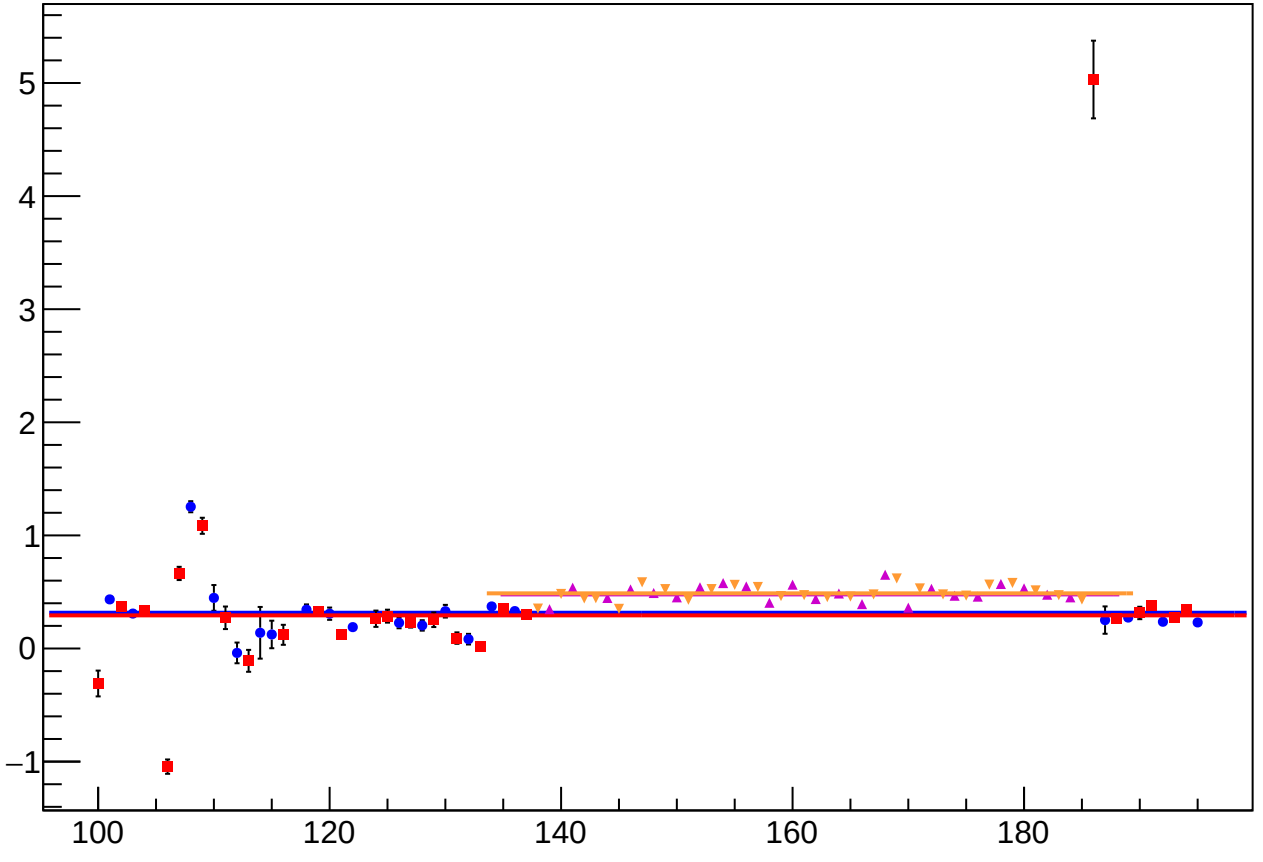
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.797+/-0.057 χ^2/NDF: 5155.0/44

All: 11.813+/-0.041 χ^2/NDF: 14096.8/92

\- sign 11.829+/-0.059 χ^2/NDF: 8941.7/47

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: 0.293+/-0.007 χ^2/NDF: 983.1/24

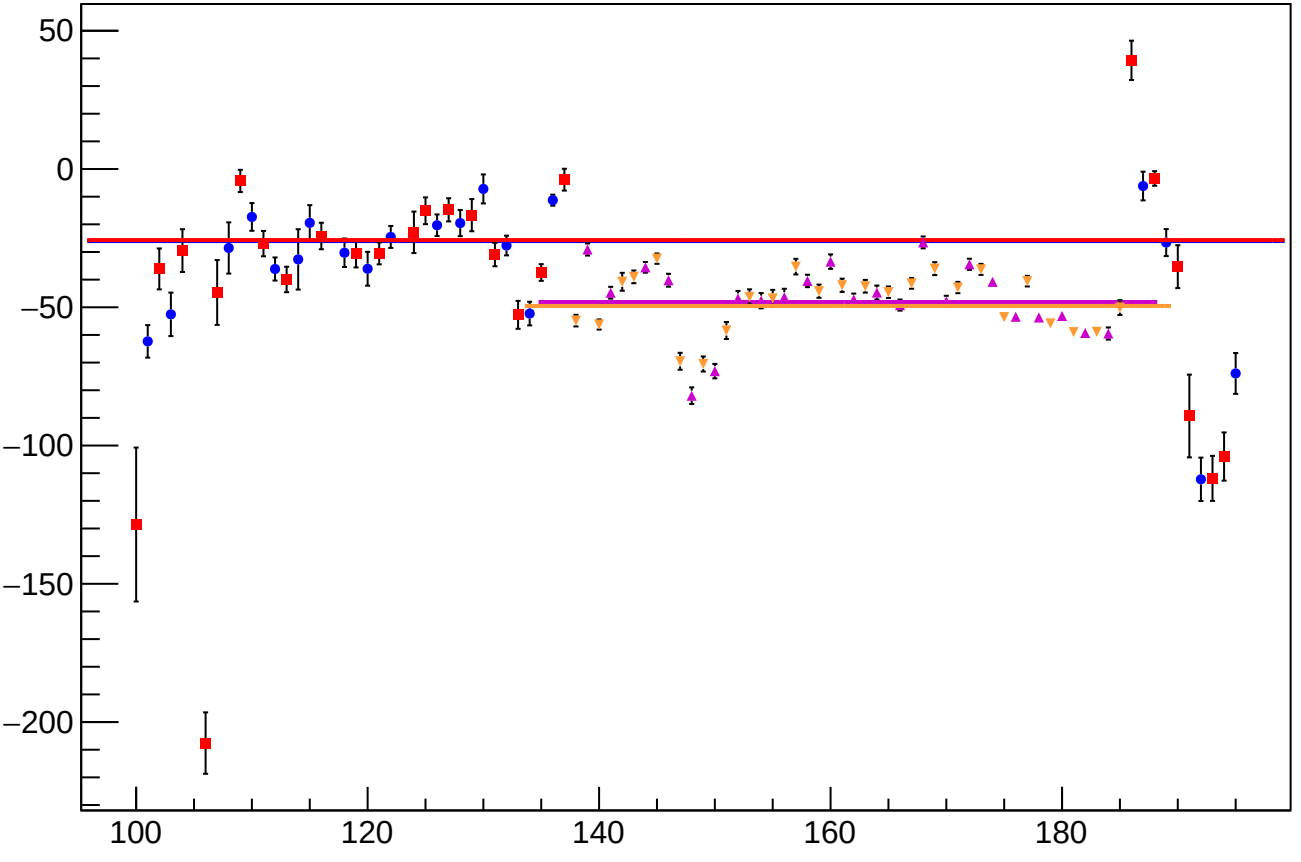
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.464+/-0.003 χ^2/NDF: 1557.6/44

All: 0.459+/-0.002 χ^2/NDF: 3962.2/92

- sign 0.453+/-0.003 χ^2/NDF: 2395.2/47

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: -25.698+/-1.007 χ^2/NDF: 784.0/24

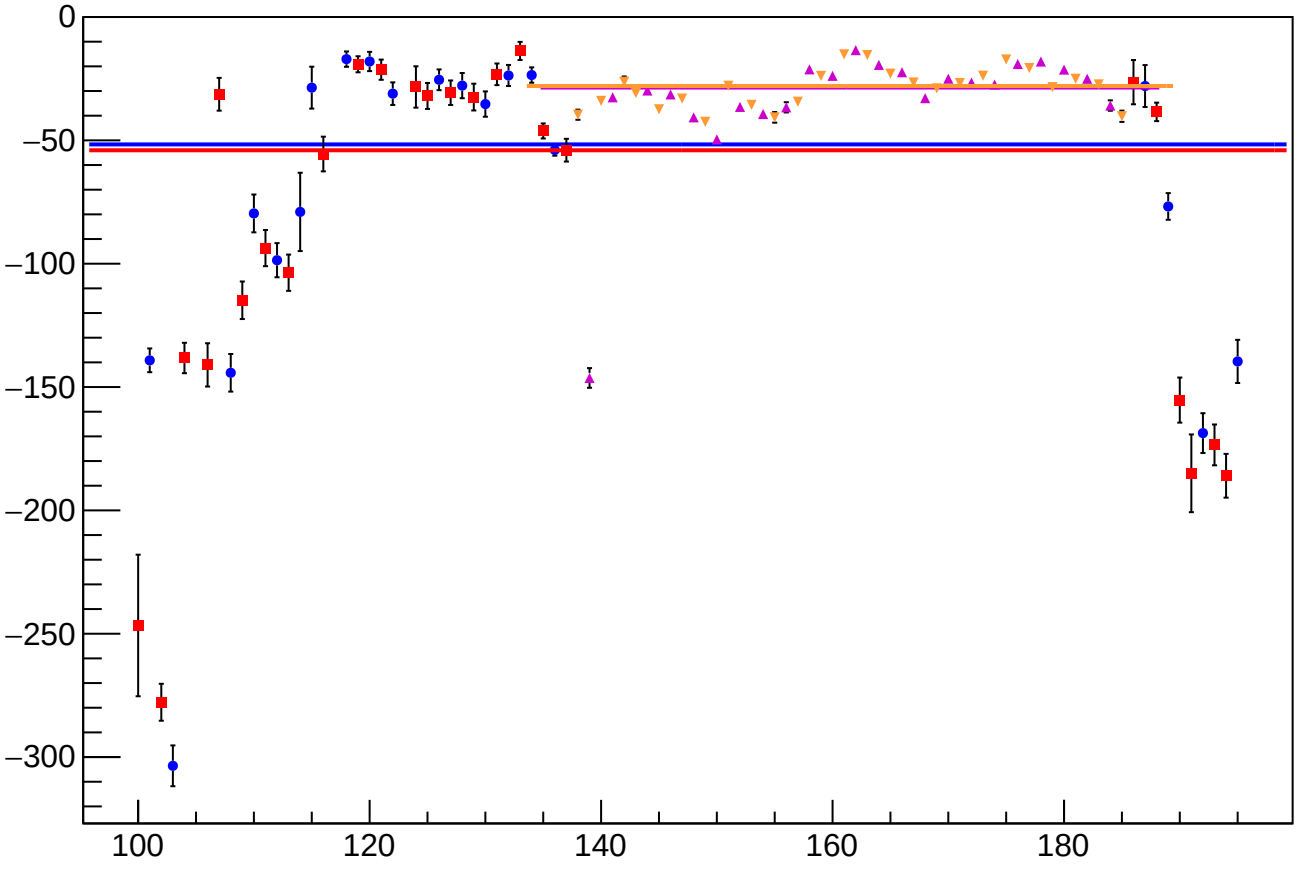
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.357+/-0.374 χ^2/NDF: 1385.2/44

All: -45.599+/-0.269 χ^2/NDF: 3305.3/92

- sign -44.790+/-0.386 χ^2/NDF: 1911.6/47

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: -54.018+/-1.090 χ^2/NDF: 2442.2/24

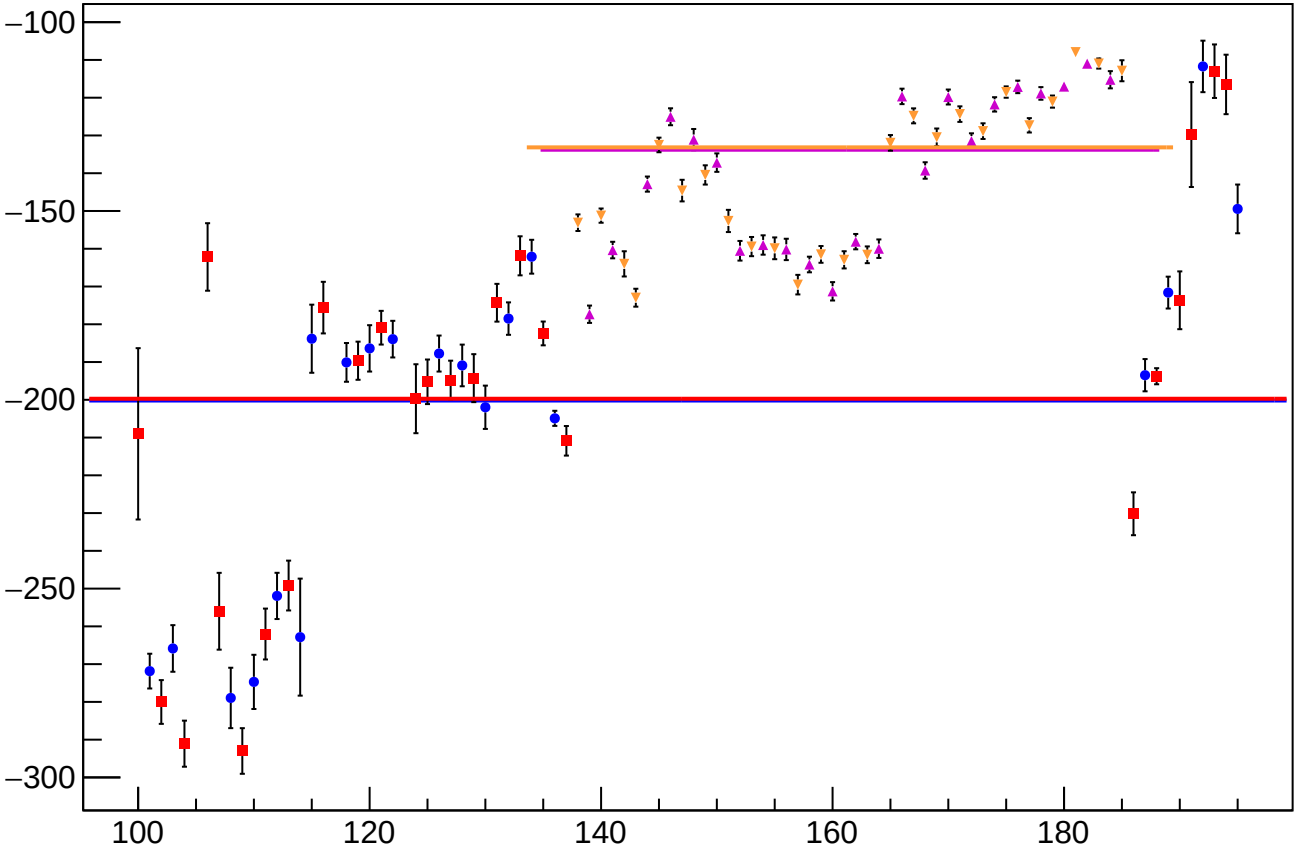
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -29.971+/-0.307 χ^2/NDF: 3189.7/44

All: -30.356+/-0.221 χ^2/NDF: 7613.6/92

\- sign -30.772+/-0.319 χ^2/NDF: 4420.6/47

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: -199.723+/-1.042 χ^2/NDF: 1334.1/24

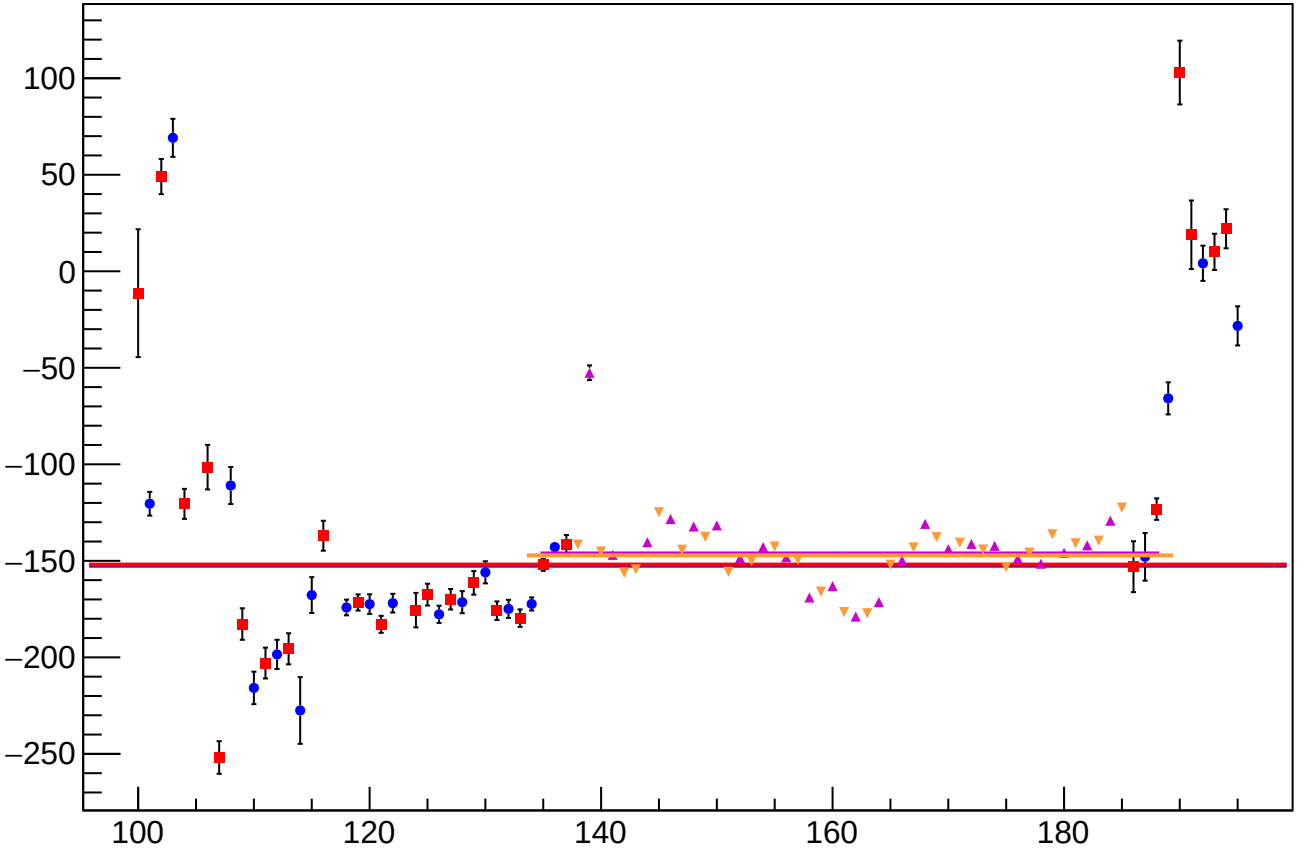
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.508+/-0.377 χ^2/NDF: 7043.1/44

All: -142.174+/-0.270 χ^2/NDF: 14275.4/92

- sign -142.876+/-0.387 χ^2/NDF: 7225.9/47

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: -151.953+/-1.254 χ^2/NDF: 1886.3/24

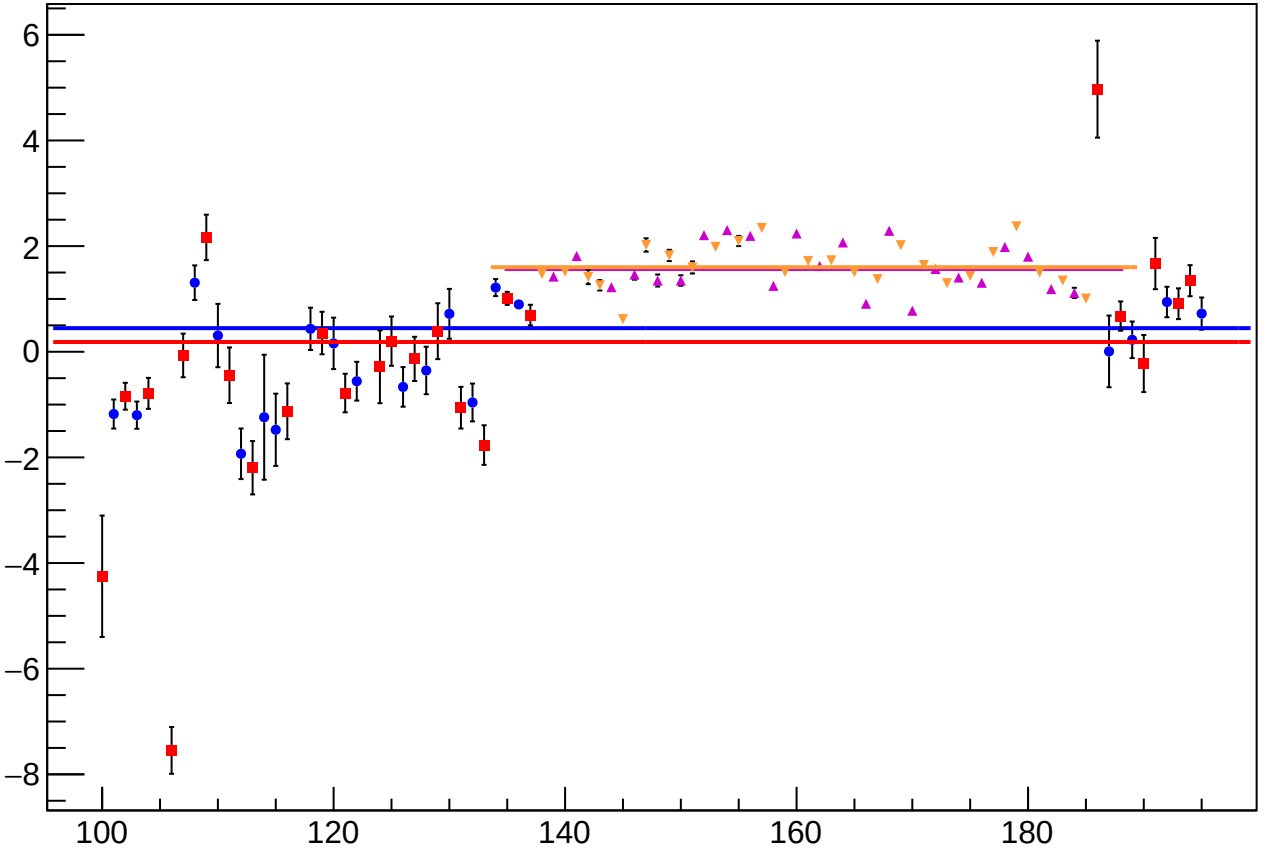
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.609+/-0.343 χ^2/NDF: 2662.1/44

All: -147.141+/-0.247 χ^2/NDF: 6365.6/92

- sign -146.638+/-0.355 χ^2/NDF: 3699.6/47

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: 0.185+/-0.065 χ^2/NDF: 558.1/24

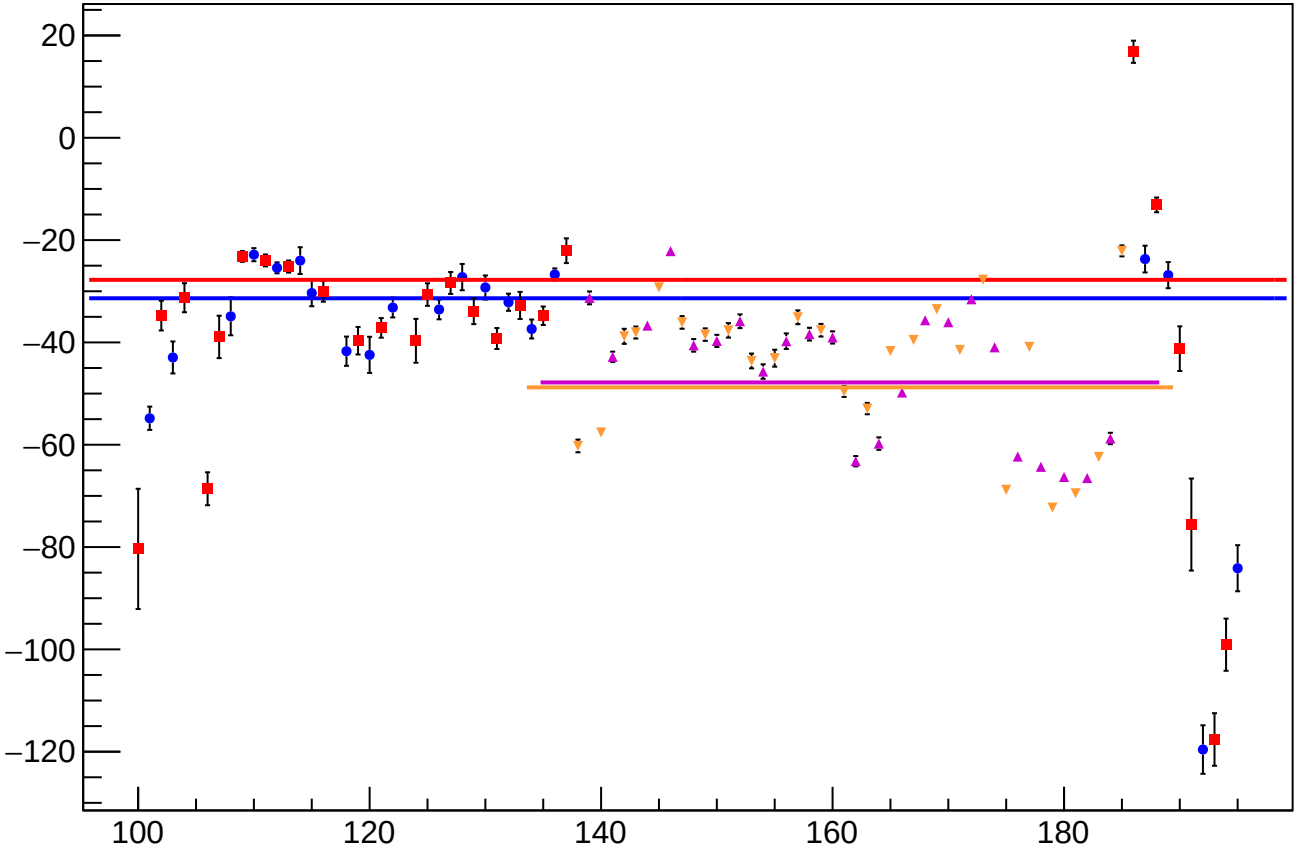
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.526+/-0.015 χ^2/NDF: 1122.0/44

All: 1.506+/-0.011 χ^2/NDF: 2843.8/92

- sign 1.485+/-0.016 χ^2/NDF: 1718.3/47

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: -27.763+/-0.416 χ^2/NDF: 1412.0/24

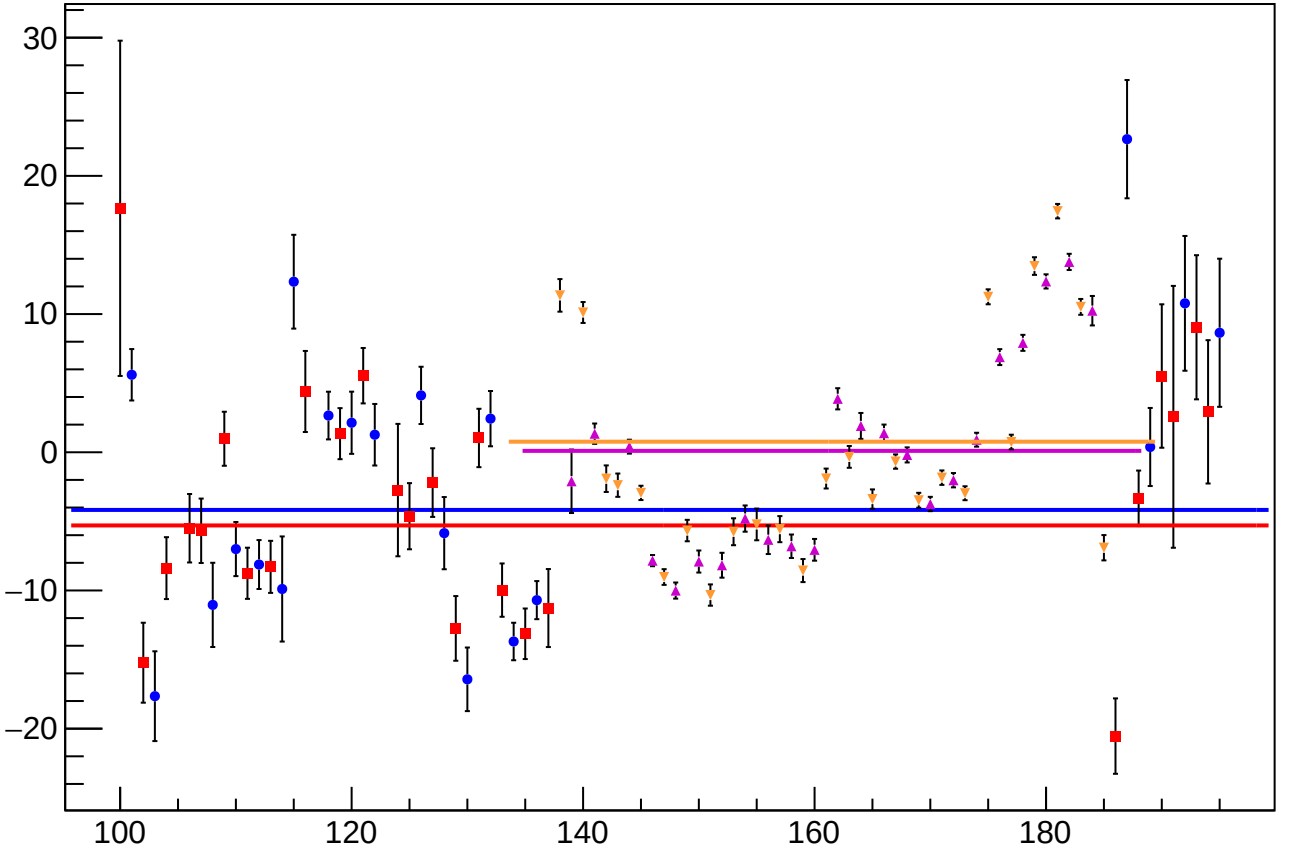
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.671+/-0.156 χ^2/NDF: 11029.2/44

All: -45.820+/-0.111 χ^2/NDF: 21712.3/92

- sign -44.958+/-0.157 χ^2/NDF: 10623.5/47

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: -5.294+/-0.491 χ^2/NDF: 183.8/24

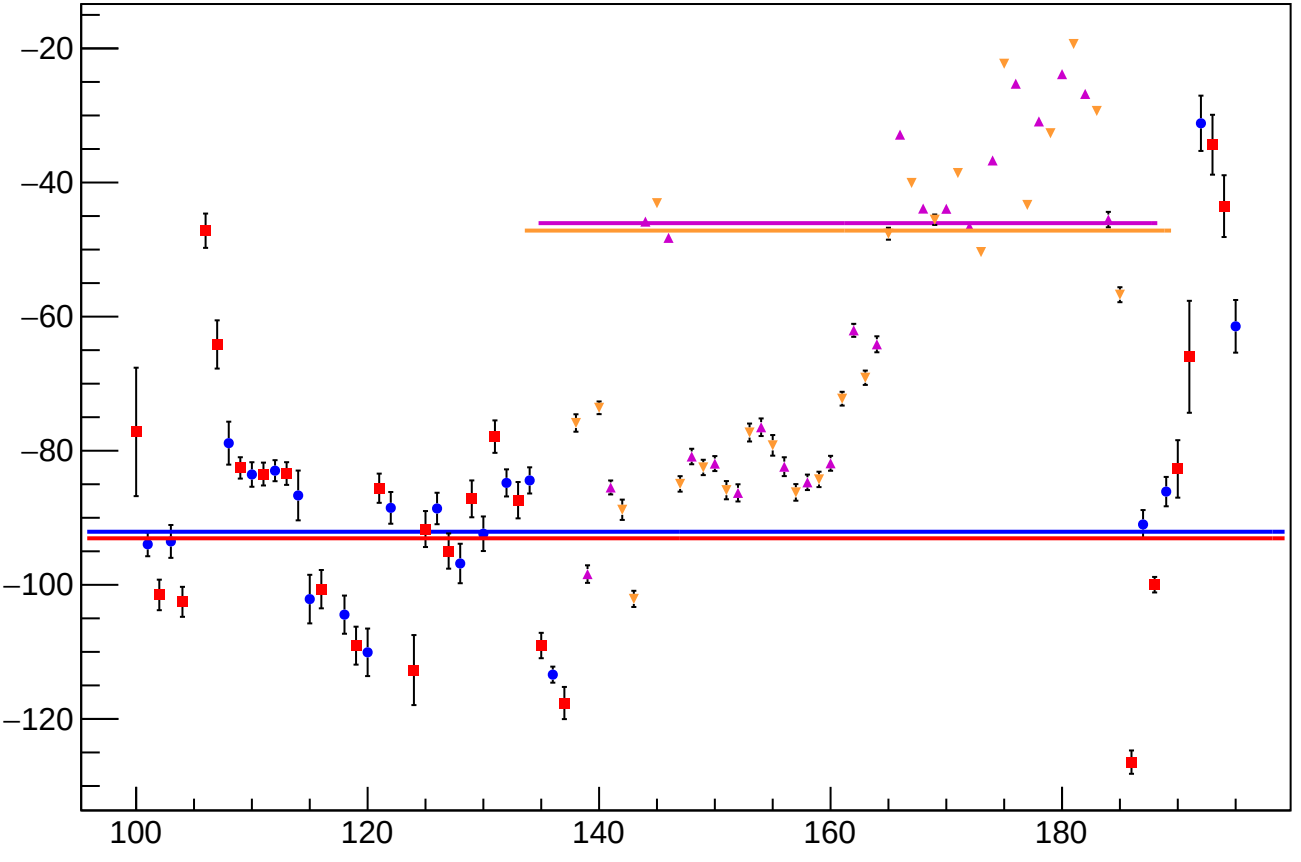
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.434+/-0.128 χ^2/NDF: 3857.5/44

All: 0.085+/-0.091 χ^2/NDF: 6890.7/92

- sign -0.267+/-0.128 χ^2/NDF: 3018.2/47

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: -93.062+/-0.465 χ^2/NDF: 1527.1/24

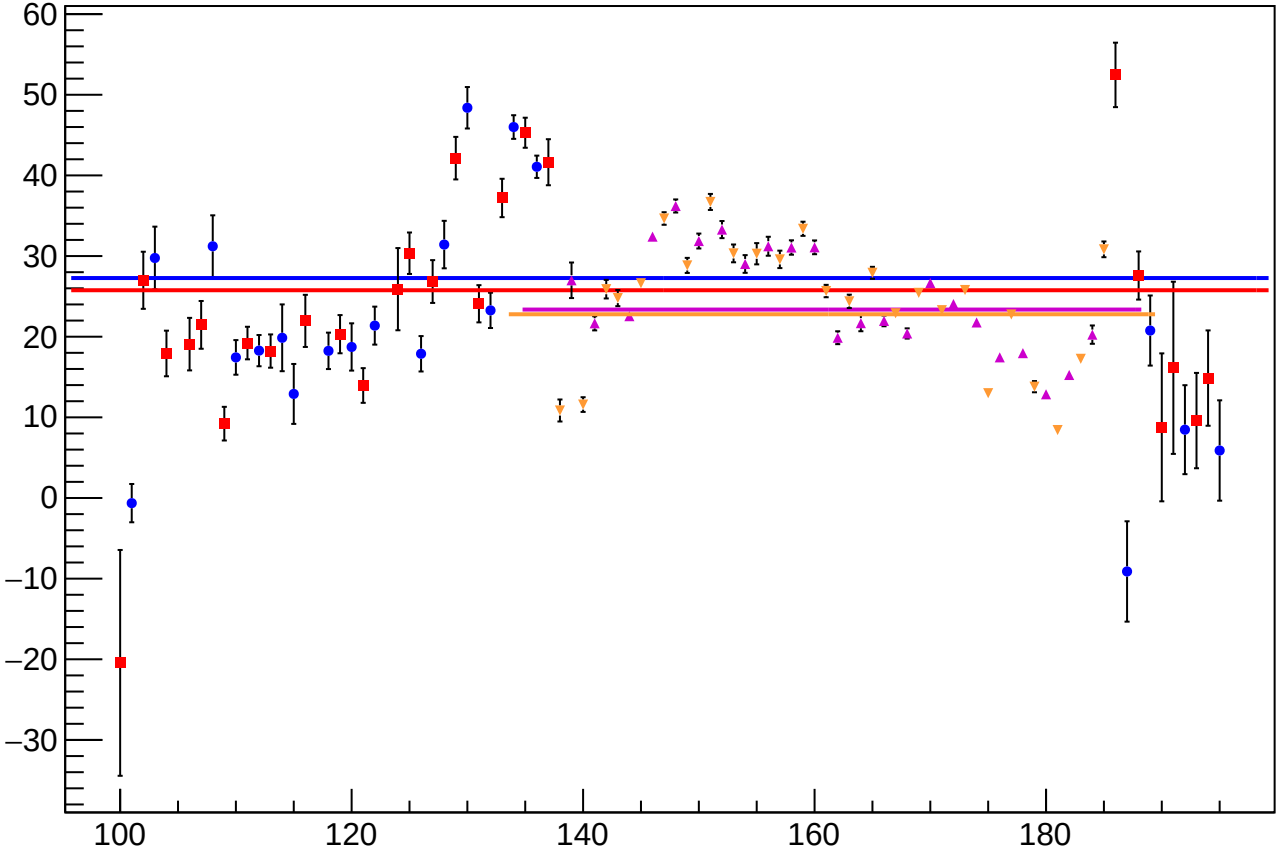
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.718+/-0.159 χ^2/NDF: 25707.4/44

All: -51.668+/-0.113 χ^2/NDF: 51031.1/92

- sign -51.618+/-0.160 χ^2/NDF: 25323.4/47

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: 25.761+/-0.566 χ^2/NDF: 415.0/24

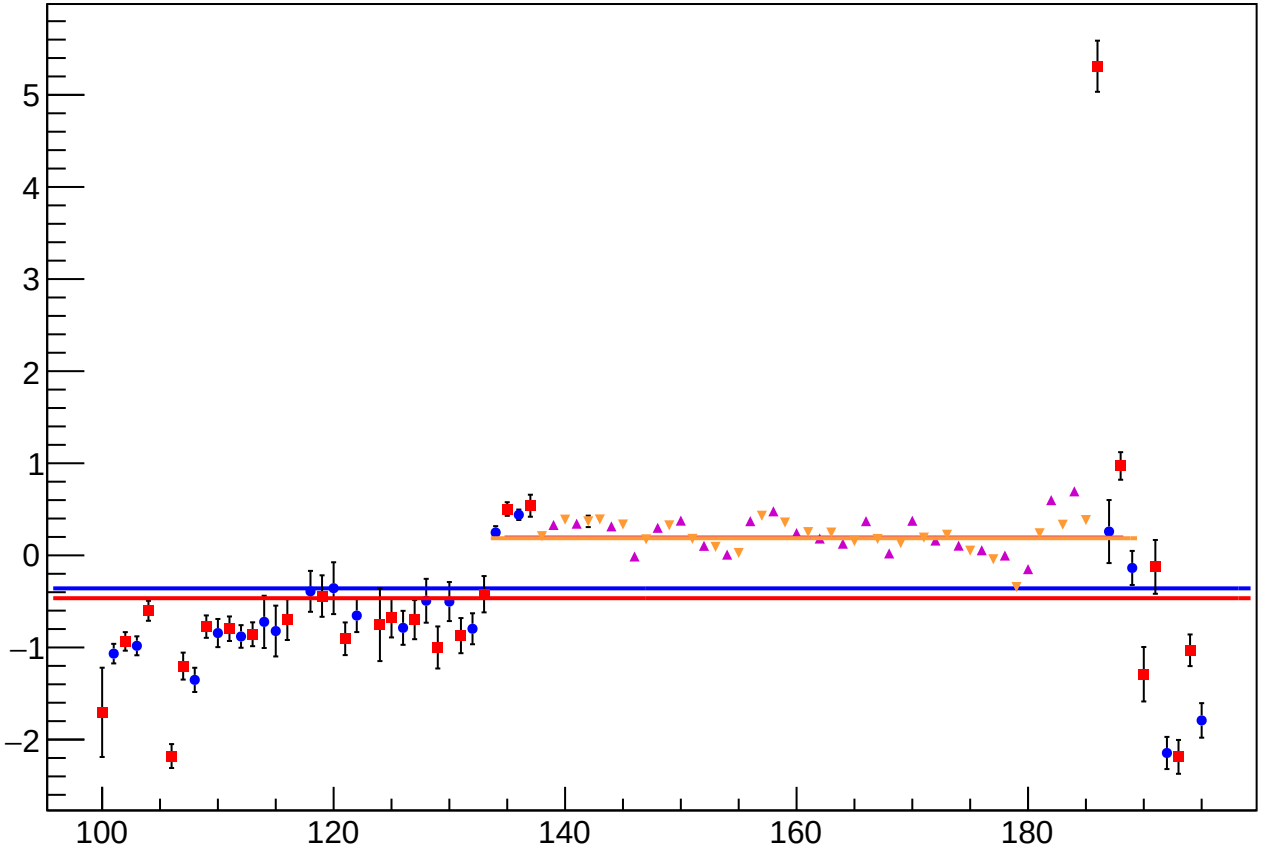
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.076+/-0.142 χ^2/NDF: 3118.7/44

All: 23.296+/-0.101 χ^2/NDF: 5340.6/92

- sign 23.521+/-0.144 χ^2/NDF: 2217.1/47

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: -0.465+/-0.031 χ^2/NDF: 1147.4/24

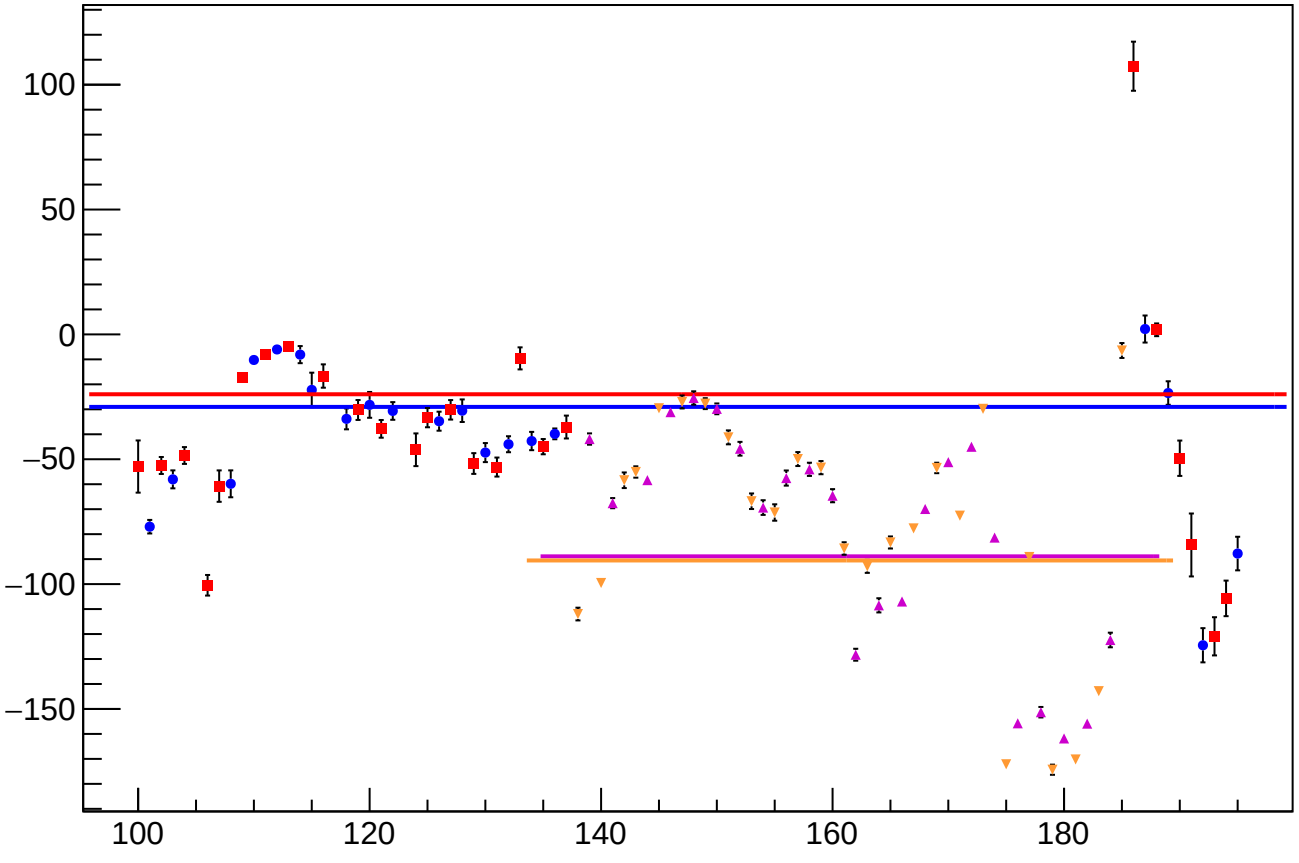
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.160+/-0.006 χ^2/NDF: 1605.1/44

All: 0.162+/-0.005 χ^2/NDF: 4133.9/92

- sign 0.163+/-0.007 χ^2/NDF: 2528.7/47

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: -23.973+/-0.632 χ^2/NDF: 1599.7/24

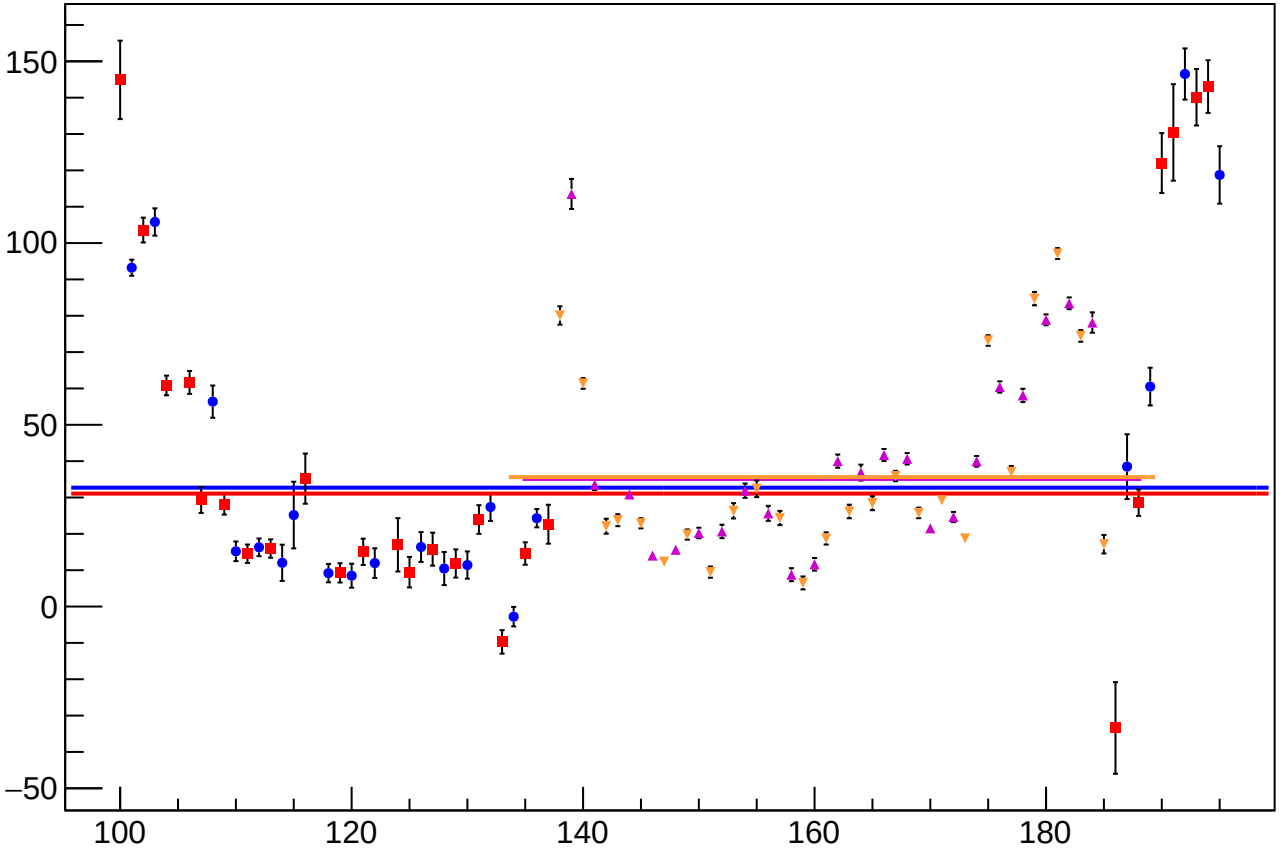
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.354+/-0.362 χ^2/NDF: 22166.7/44

All: -71.174+/-0.254 χ^2/NDF: 42897.8/92

- sign -68.057+/-0.358 χ^2/NDF: 20577.9/47

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: 31.074+/-0.764 χ^2/NDF: 1843.6/24

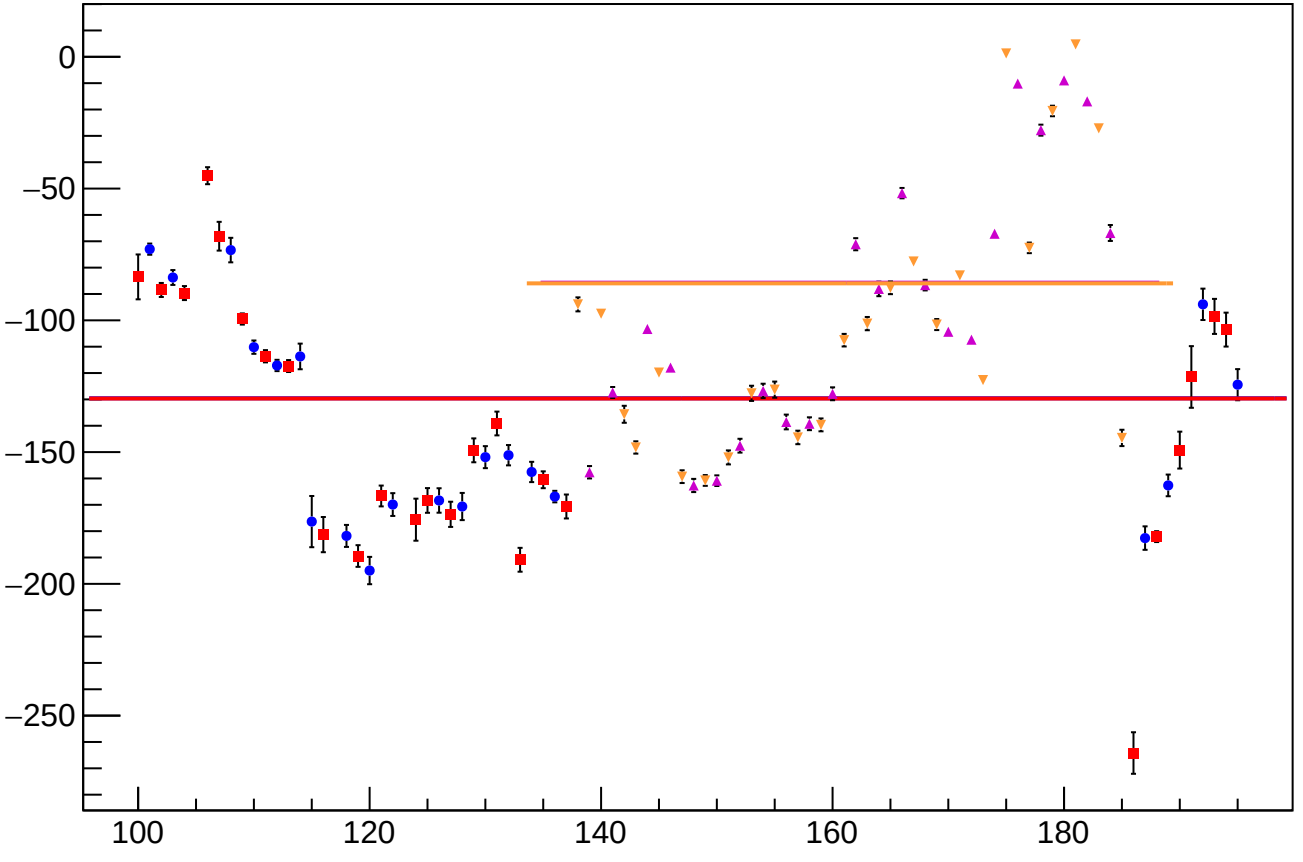
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.186+/-0.301 χ^2/NDF: 8074.3/44

All: 34.829+/-0.215 χ^2/NDF: 14088.6/92

- sign 34.457+/-0.308 χ^2/NDF: 6011.4/47

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: -129.669+/-0.726 χ^2/NDF: 3496.7/24

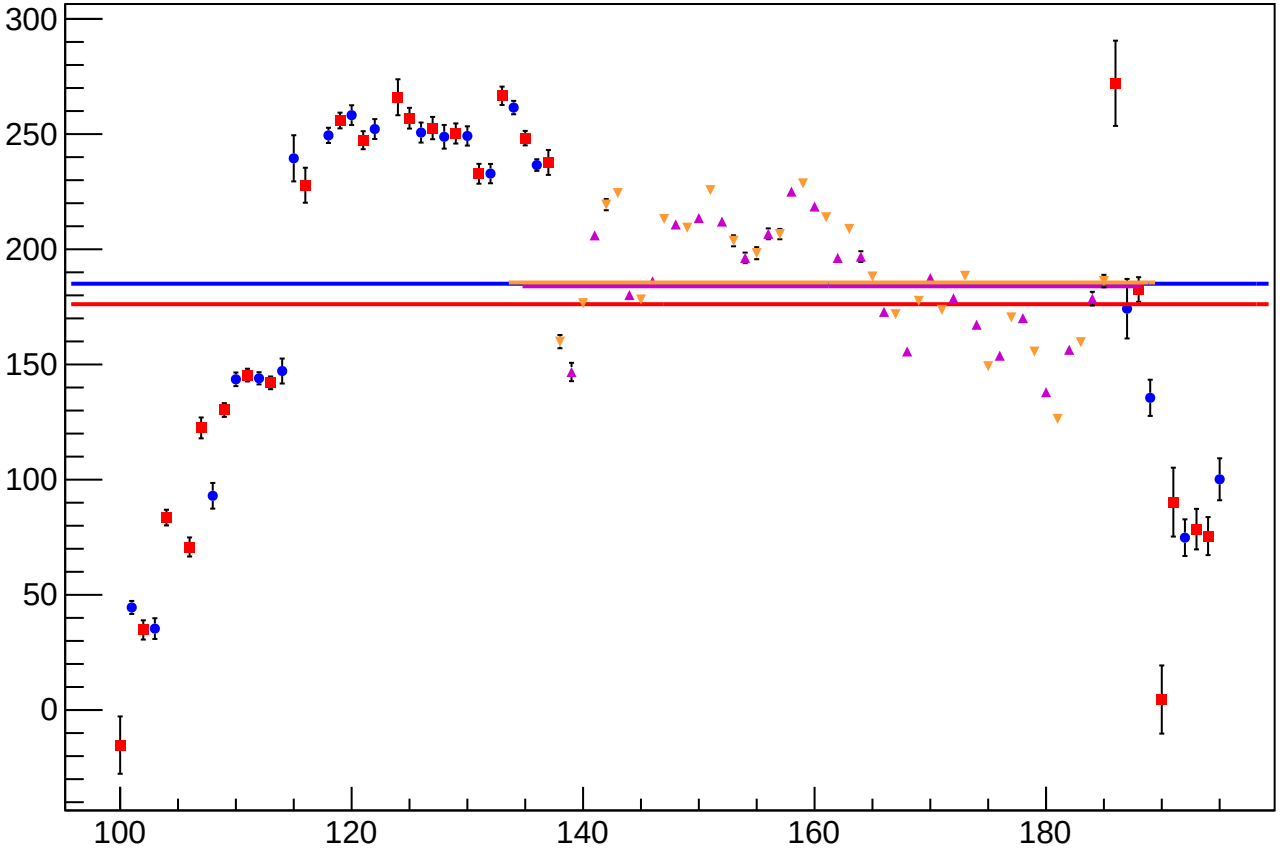
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.692+/-0.371 χ^2/NDF: 21056.7/44

All: -96.454+/-0.263 χ^2/NDF: 41027.1/92

- sign -97.219+/-0.372 χ^2/NDF: 19961.9/47

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: 176.165+/-0.881 χ^2/NDF: 7145.9/24

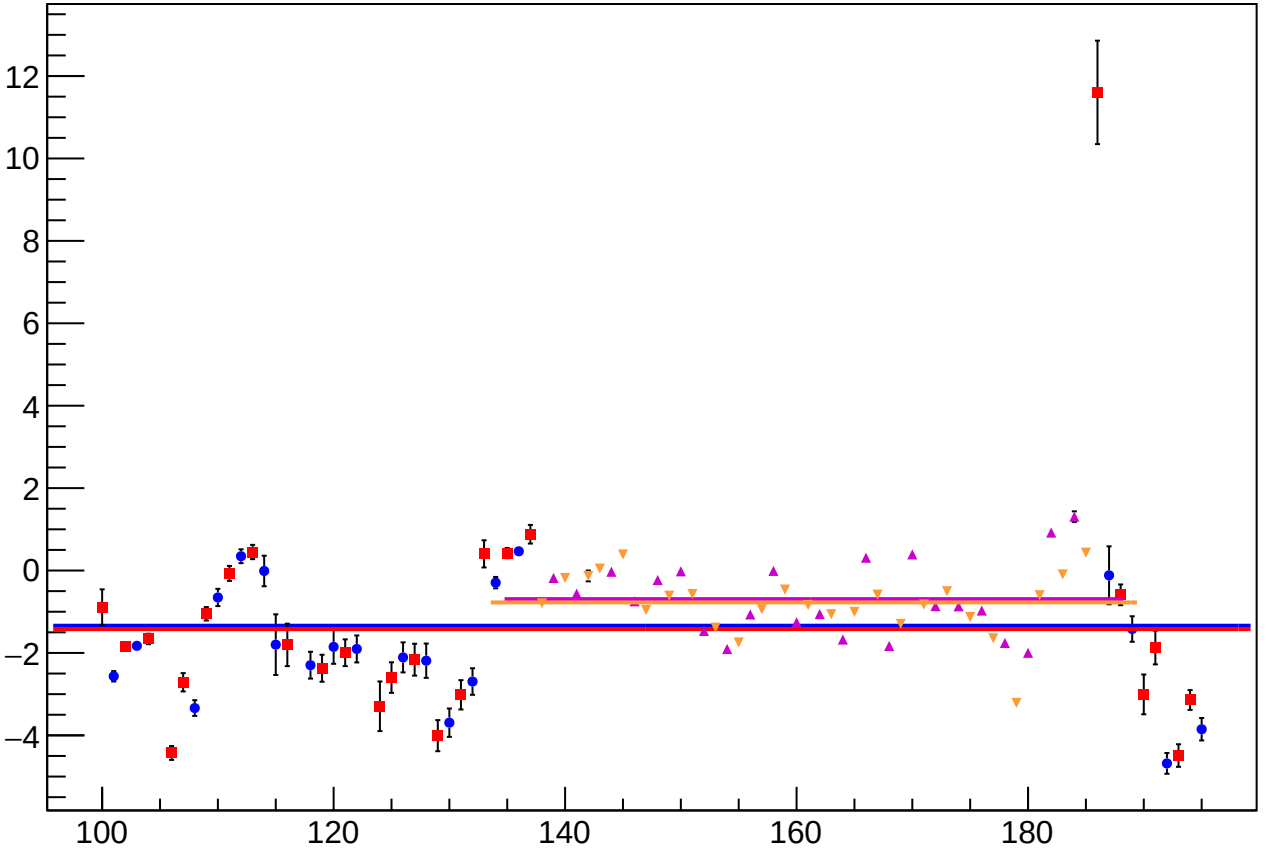
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.507+/-0.340 χ^2/NDF: 12803.5/44

All: 184.151+/-0.243 χ^2/NDF: 23921.3/92

- sign 182.734+/-0.347 χ^2/NDF: 11085.2/47

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: -1.422+/-0.045 χ^2/NDF: 1313.7/24

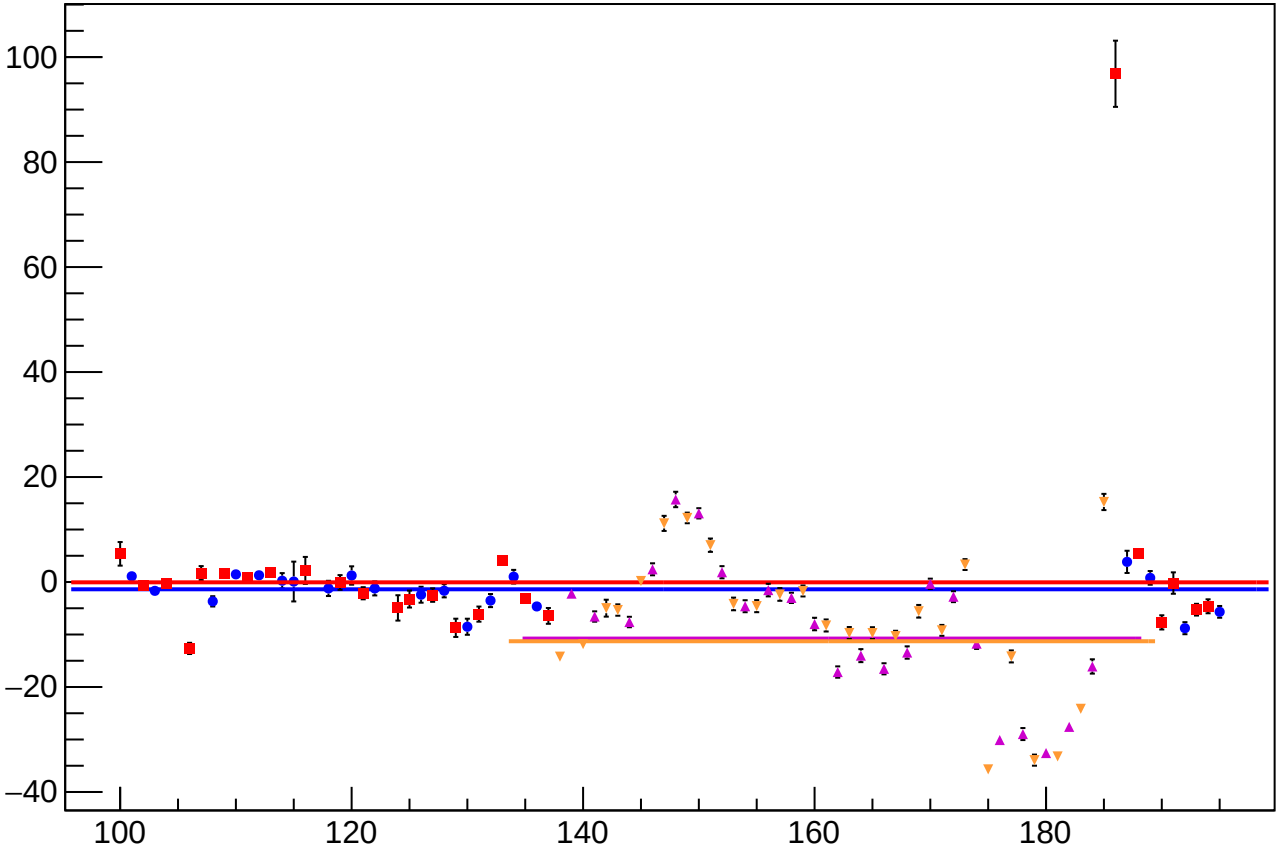
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.838+/-0.015 χ^2/NDF: 3025.6/44

All: -0.812+/-0.011 χ^2/NDF: 7144.2/92

- sign -0.784+/-0.016 χ^2/NDF: 4112.4/47

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: -0.059+/-0.201 χ^2/NDF: 665.2/24

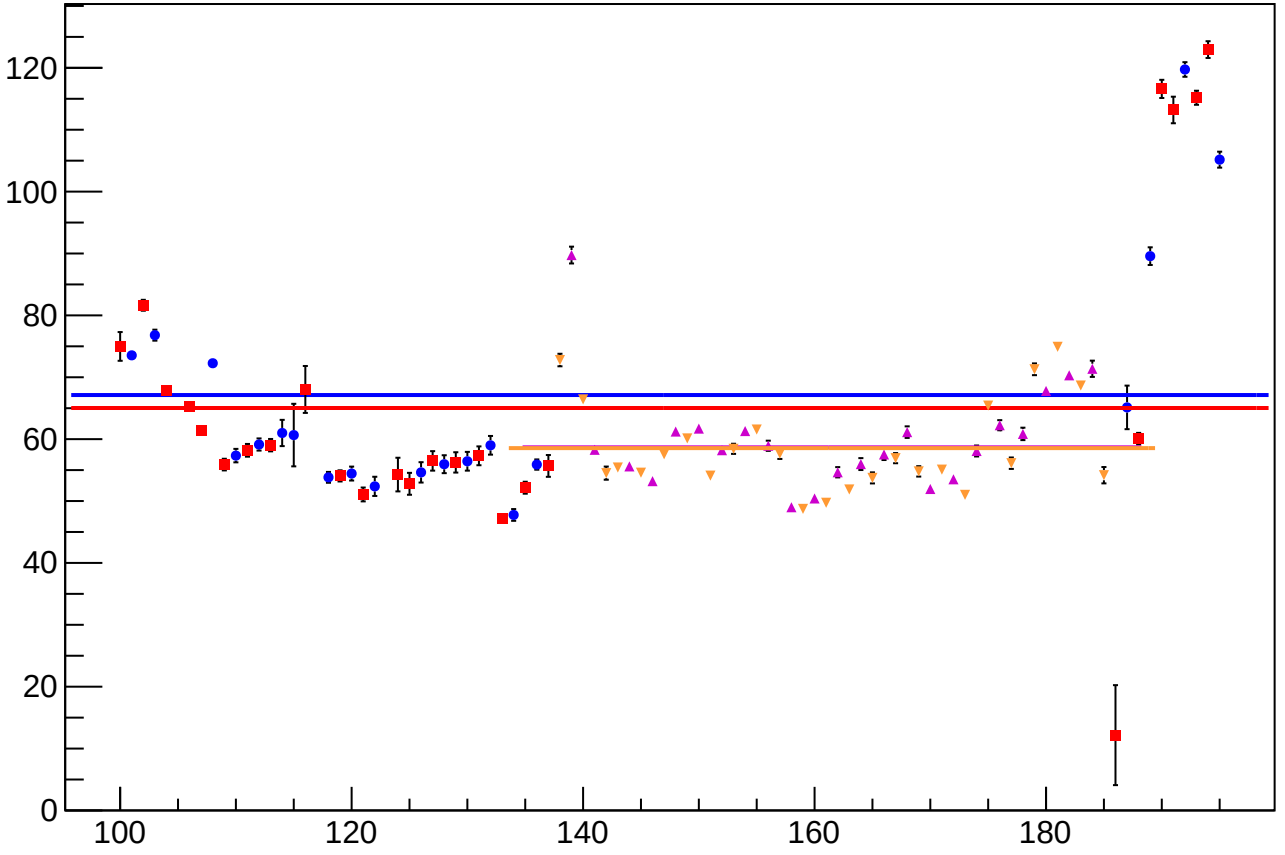
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.955+/-0.156 χ^2/NDF: 5661.7/44

All: -5.965+/-0.107 χ^2/NDF: 11439.2/92

- sign -5.095+/-0.146 χ^2/NDF: 5701.8/47

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: 65.033+/-0.224 χ^2/NDF: 7562.9/24

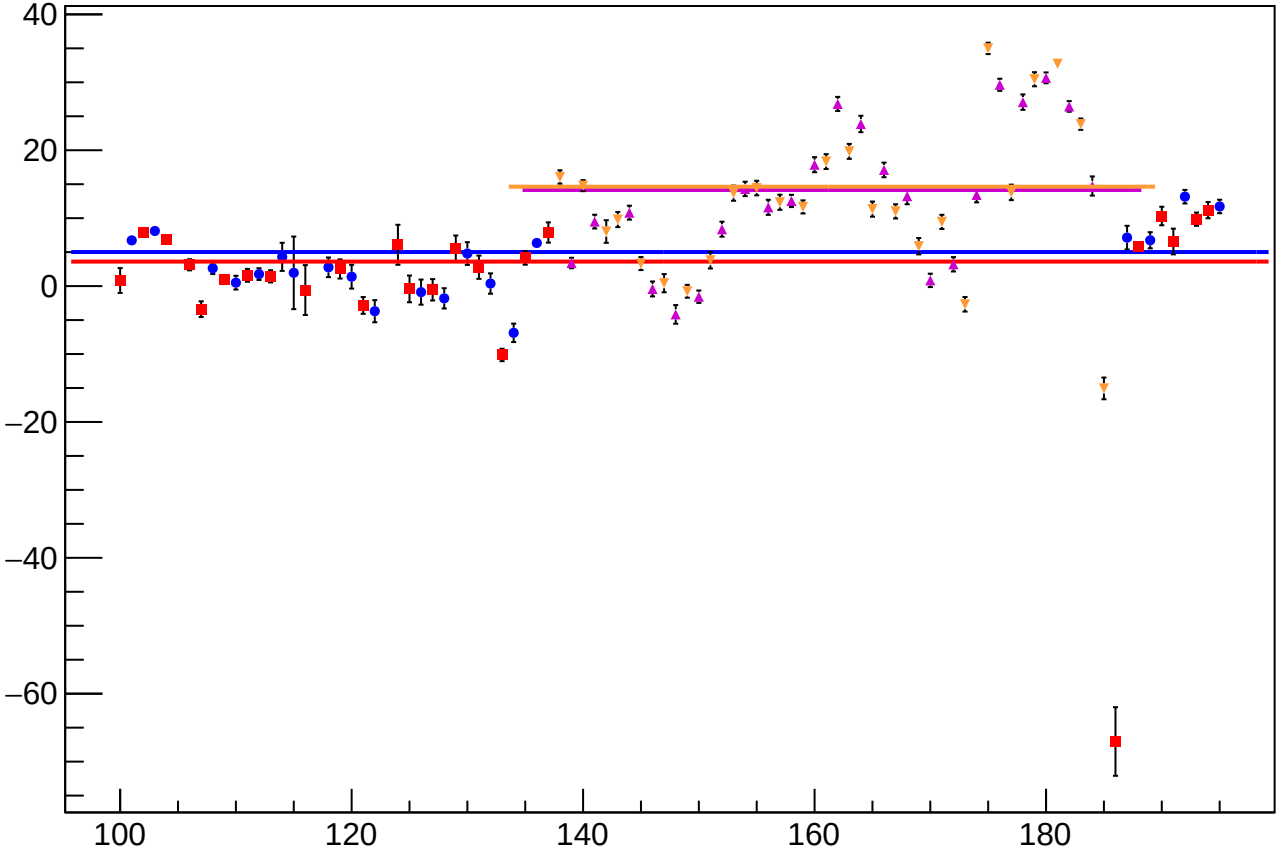
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

\+ sign 61.078+/-0.135 χ^2/NDF: 7503.4/44

All: 61.027+/-0.095 χ^2/NDF: 17195.1/92

\- sign 60.977+/-0.135 χ^2/NDF: 9691.4/47

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: 3.606+/-0.208 χ^2/NDF: 724.4/24

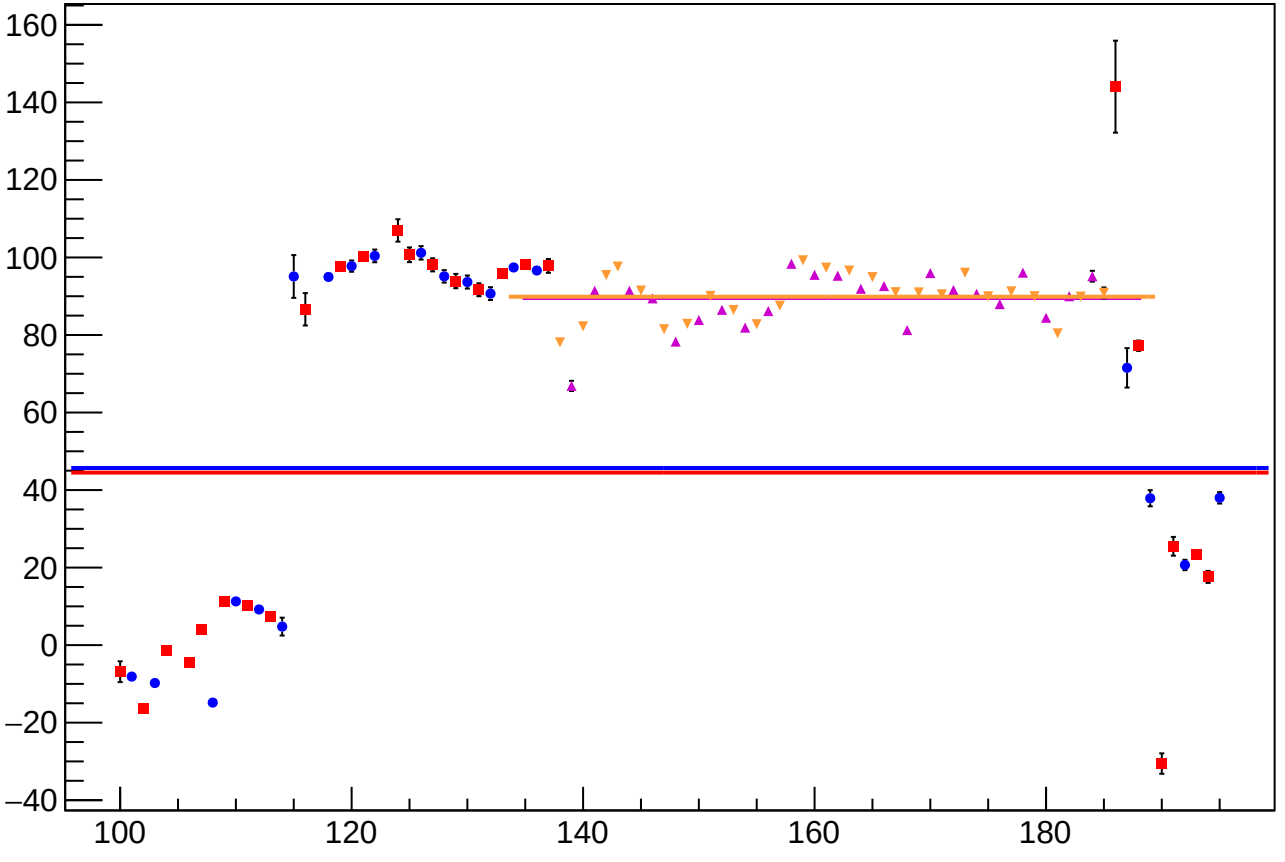
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.552+/-0.157 χ^2/NDF: 4225.5/44

All: 9.628+/-0.108 χ^2/NDF: 8818.8/92

- sign 8.801+/-0.148 χ^2/NDF: 4527.6/47

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: 44.506+/-0.265 χ^2/NDF: 31037.9/24

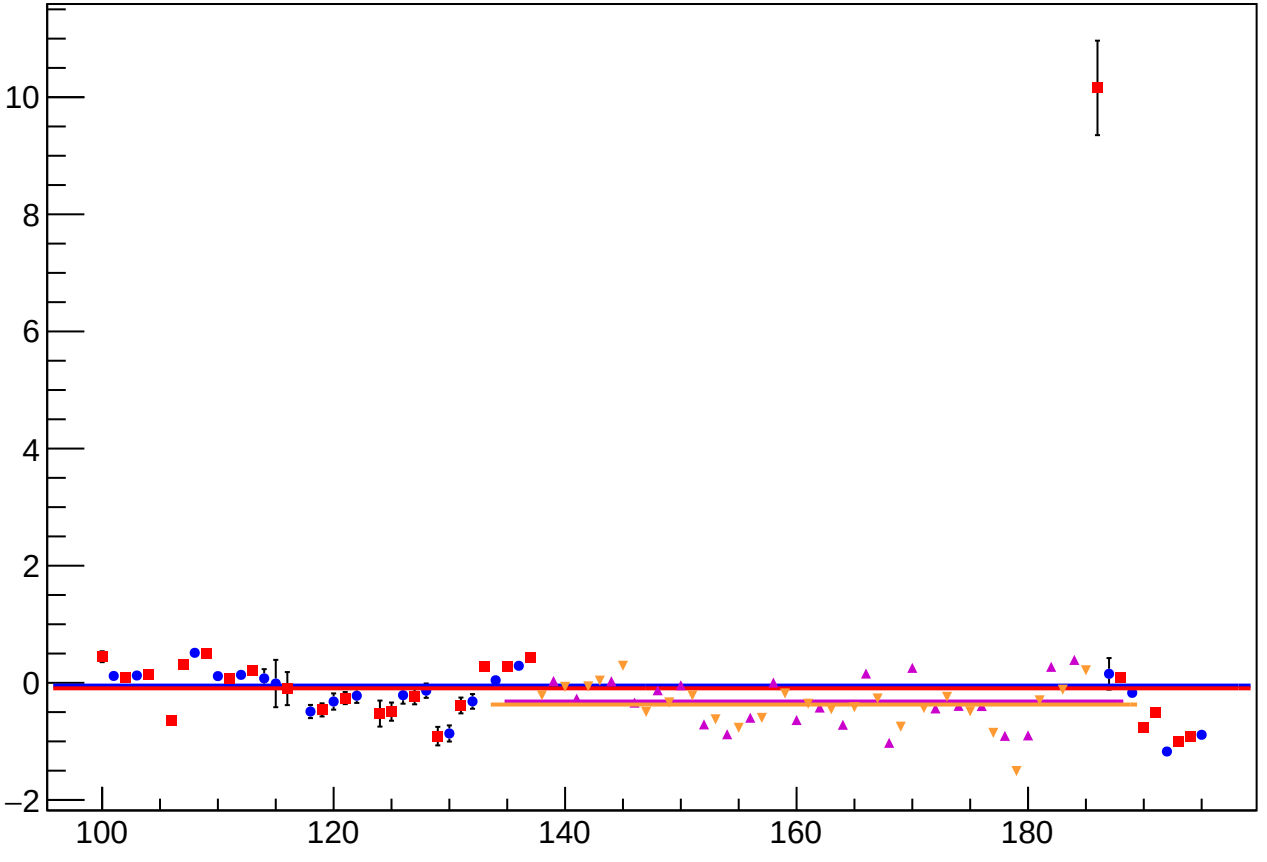
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 77.535+/-0.154 χ^2/NDF: 45038.7/44

All: 76.010+/-0.108 χ^2/NDF: 96631.7/92

- sign 74.498+/-0.153 χ^2/NDF: 51396.9/47

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: -0.094+/-0.012 χ^2/NDF: 1880.9/24

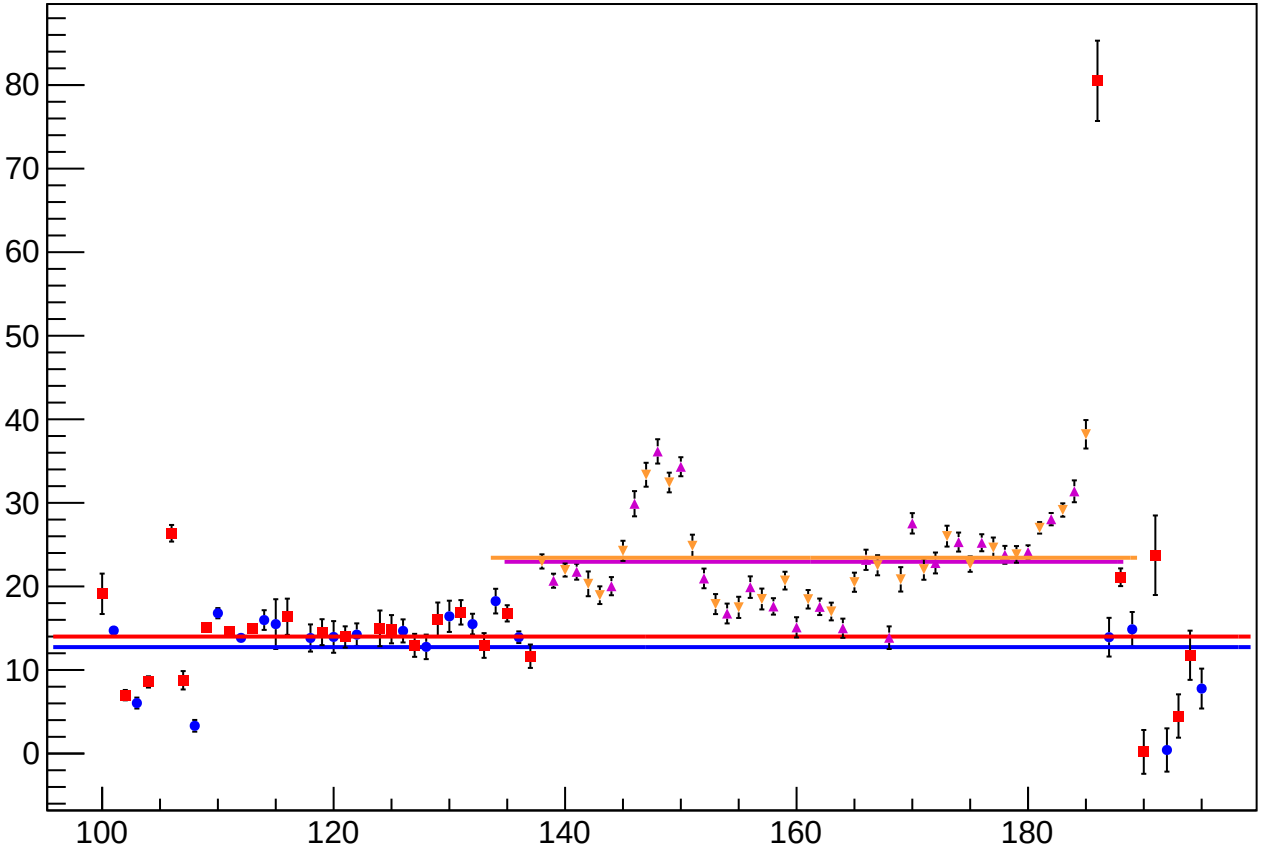
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.277+/-0.007 χ^2/NDF: 3831.6/44

All: -0.262+/-0.005 χ^2/NDF: 8415.0/92

- sign -0.246+/-0.007 χ^2/NDF: 4572.8/47

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: 13.998+/-0.198 χ^2/NDF: 687.8/24

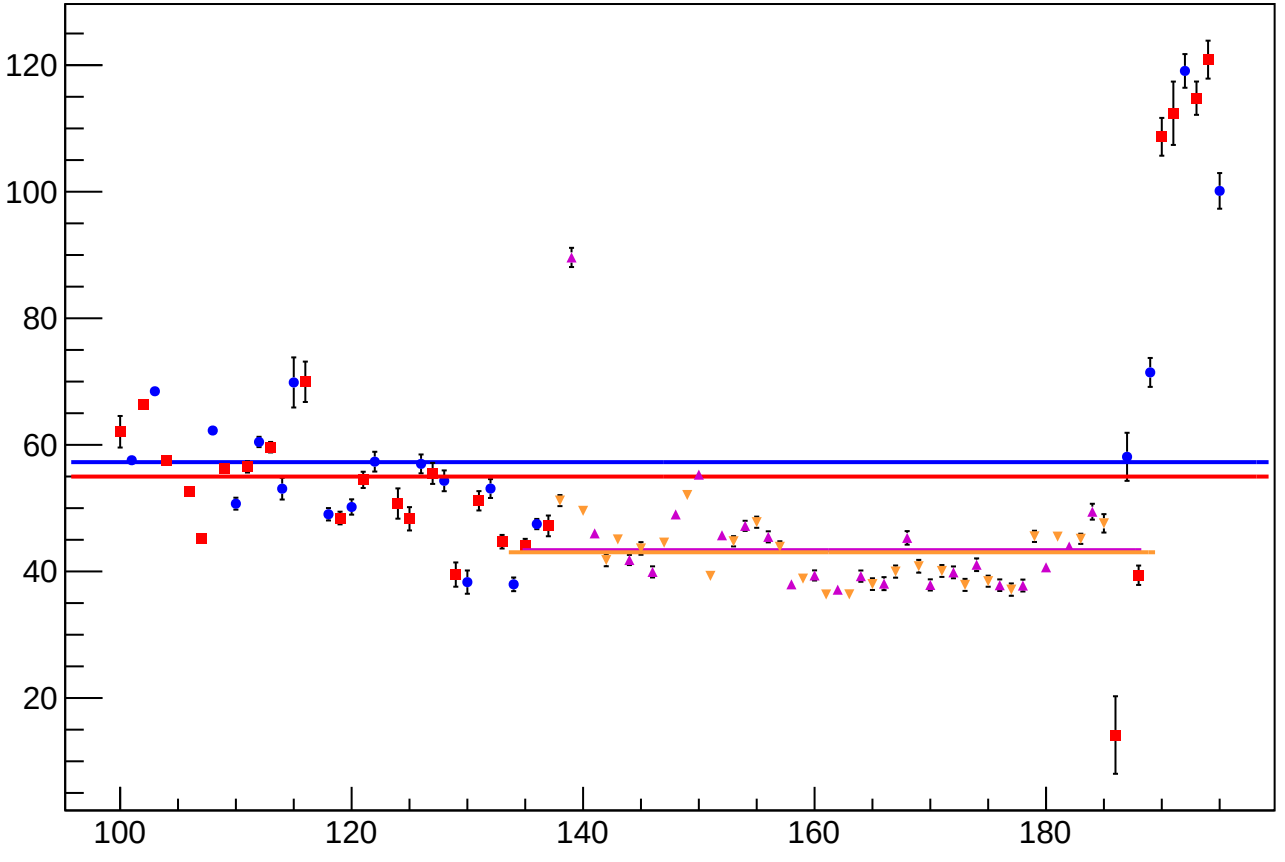
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.949+/-0.151 χ^2/NDF: 2102.6/44

All: 17.928+/-0.106 χ^2/NDF: 4244.1/92

- sign 17.908+/-0.149 χ^2/NDF: 2141.4/47

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: 54.990+/-0.220 χ^2/NDF: 2622.2/24

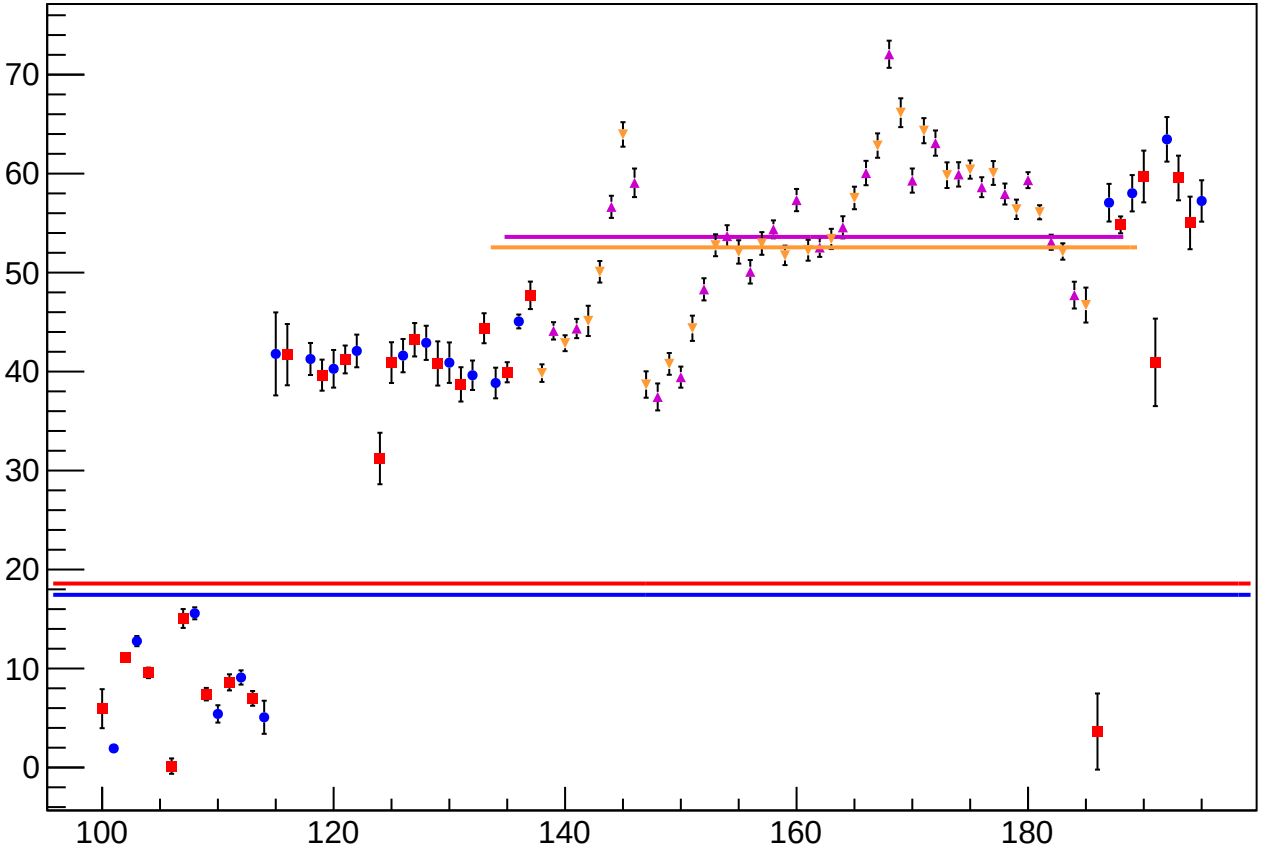
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.277+/-0.133 χ^2/NDF: 5362.7/44

All: 48.113+/-0.096 χ^2/NDF: 11368.8/92

- sign 47.937+/-0.138 χ^2/NDF: 6002.9/47

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: 18.585+/-0.209 χ^2/NDF: 6706.3/24

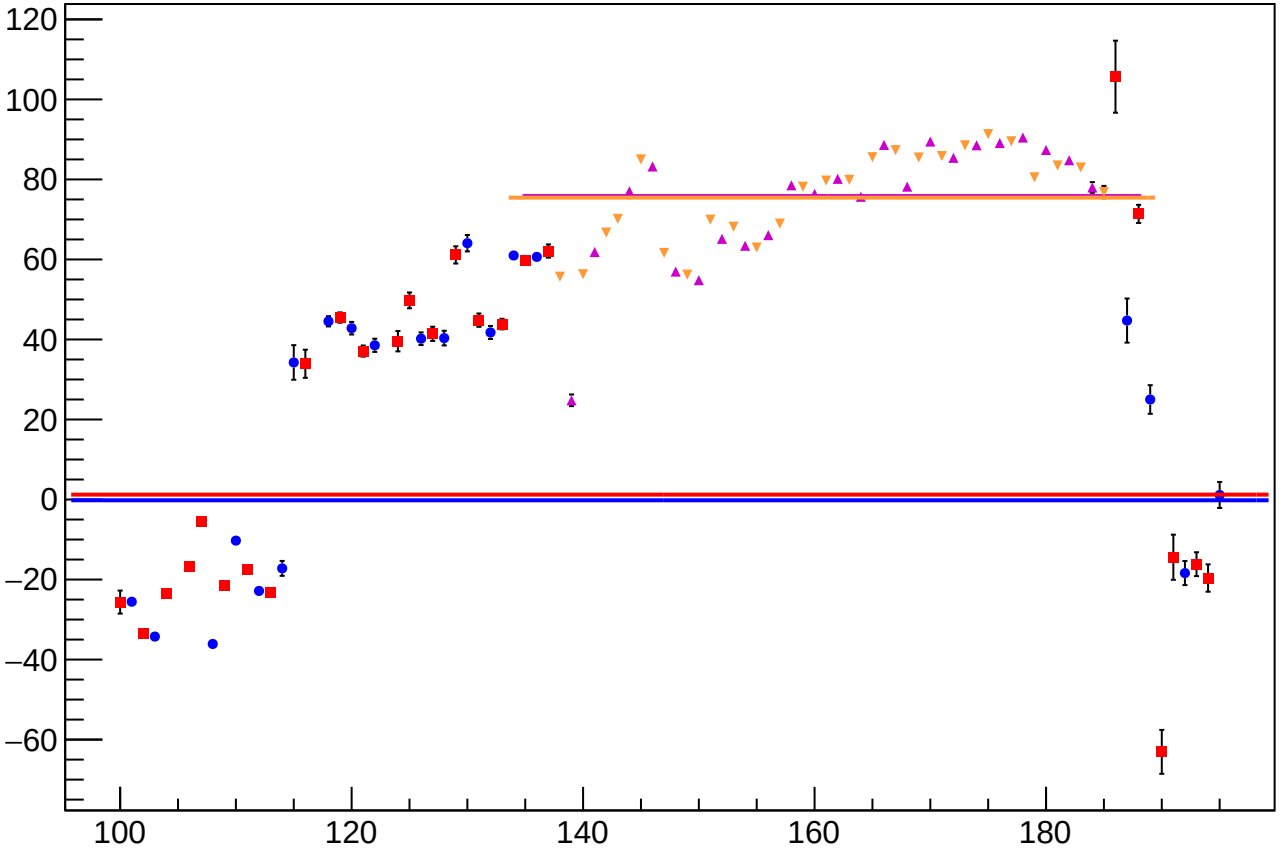
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

\+ sign 34.557+/-0.150 χ^2/NDF: 21859.0/44

All: 34.777+/-0.107 χ^2/NDF: 42695.3/92

\- sign 35.006+/-0.153 χ^2/NDF: 20831.9/47

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: 1.225+/-0.259 χ^2/NDF: 17338.5/24

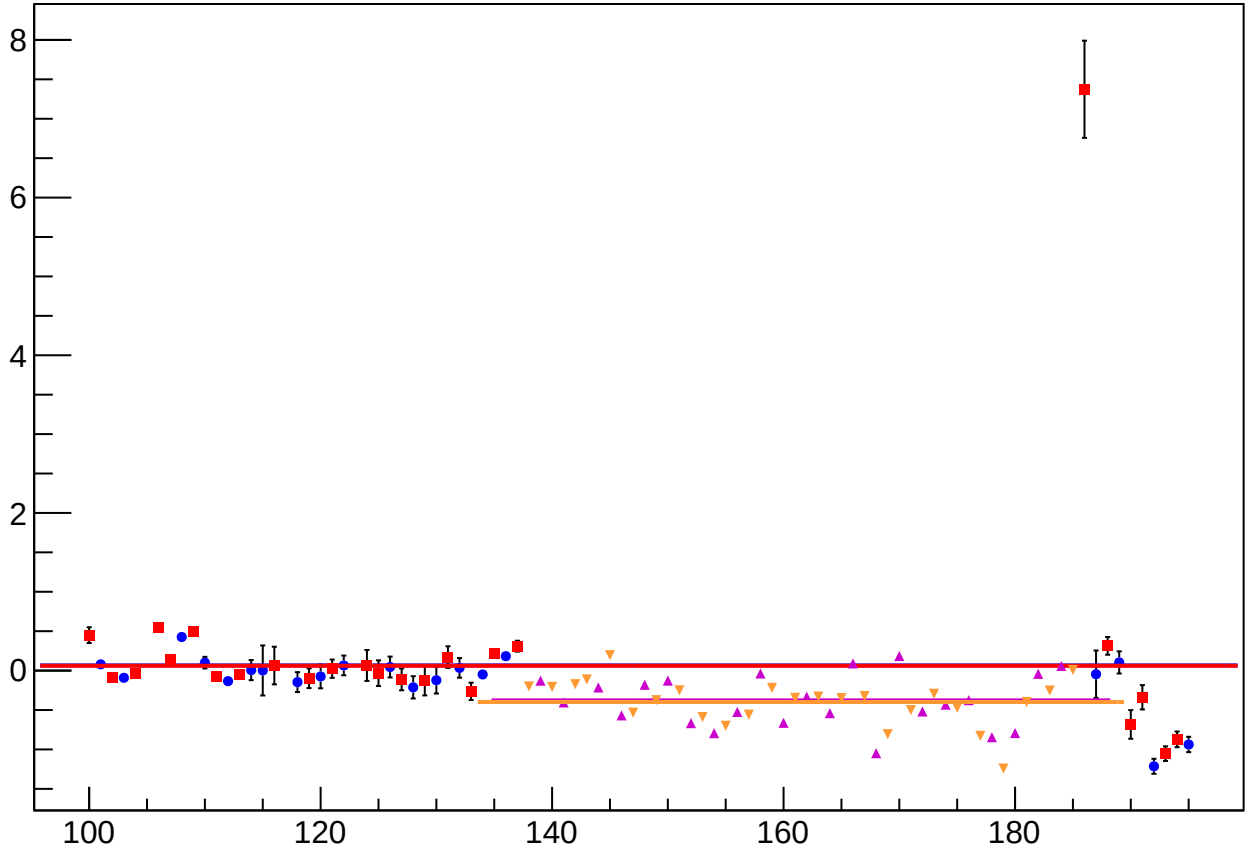
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.236+/-0.152 χ^2/NDF: 80544.9/44

All: 48.882+/-0.109 χ^2/NDF: 154584.8/92

- sign 48.507+/-0.157 χ^2/NDF: 74028.8/47

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: 0.062+/-0.011 χ^2/NDF: 808.1/24

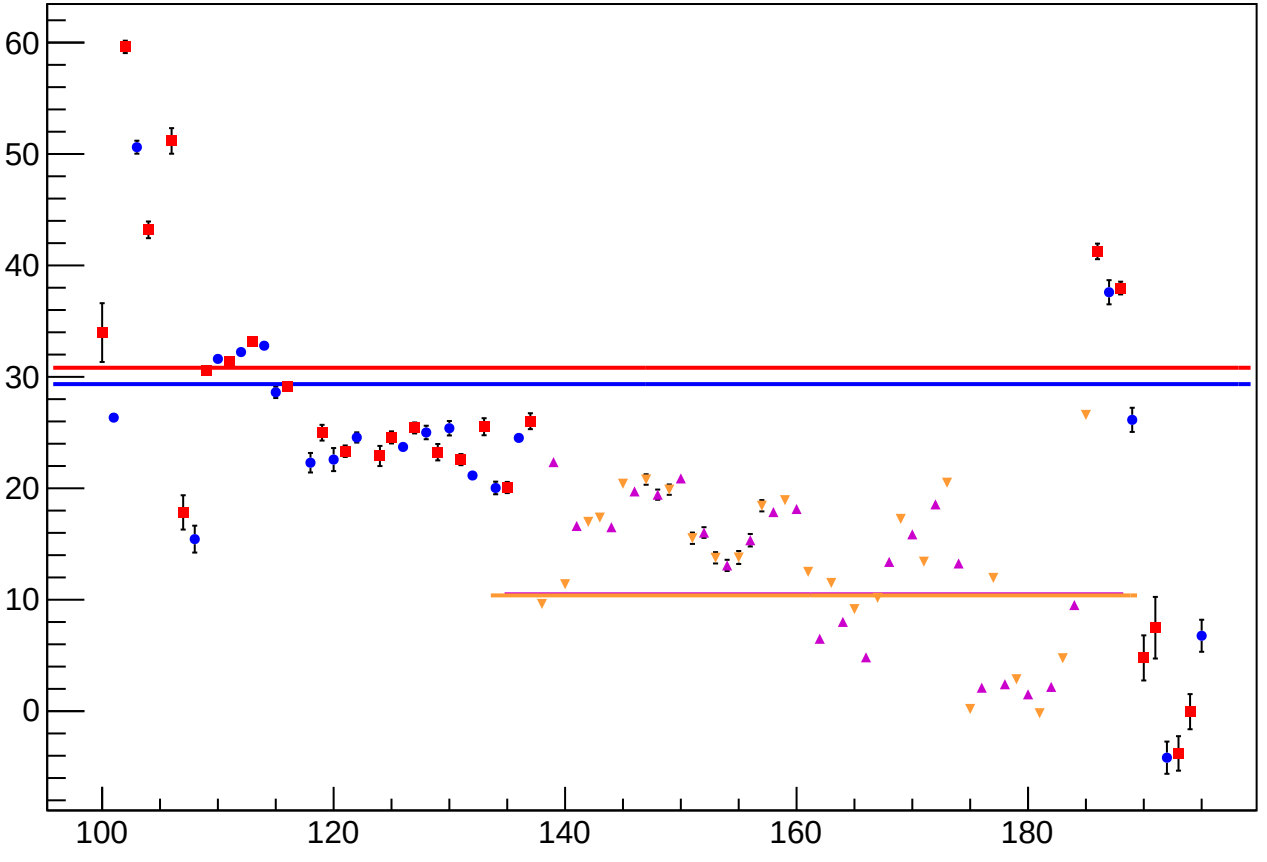
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.227+/-0.007 χ^2/NDF: 2745.3/44

All: -0.221+/-0.005 χ^2/NDF: 5882.1/92

- sign -0.214+/-0.007 χ^2/NDF: 3134.7/47

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: 30.818+/-0.079 χ^2/NDF: 6579.3/24

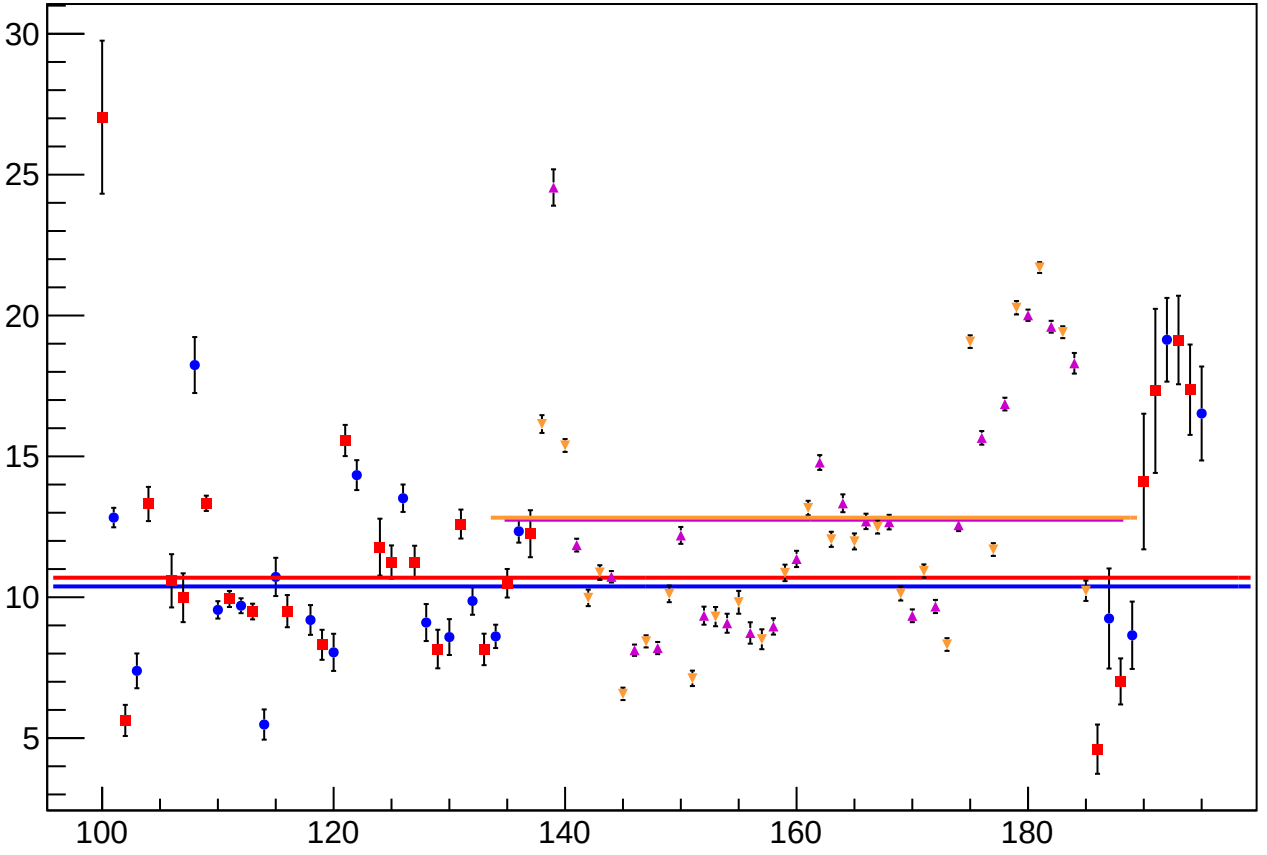
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.687+/-0.052 χ^2/NDF: 47054.3/44

All: 17.885+/-0.037 χ^2/NDF: 105015.0/92

- sign 19.015+/-0.051 χ^2/NDF: 56944.9/47

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: 10.693+/-0.110 χ^2/NDF: 538.3/24

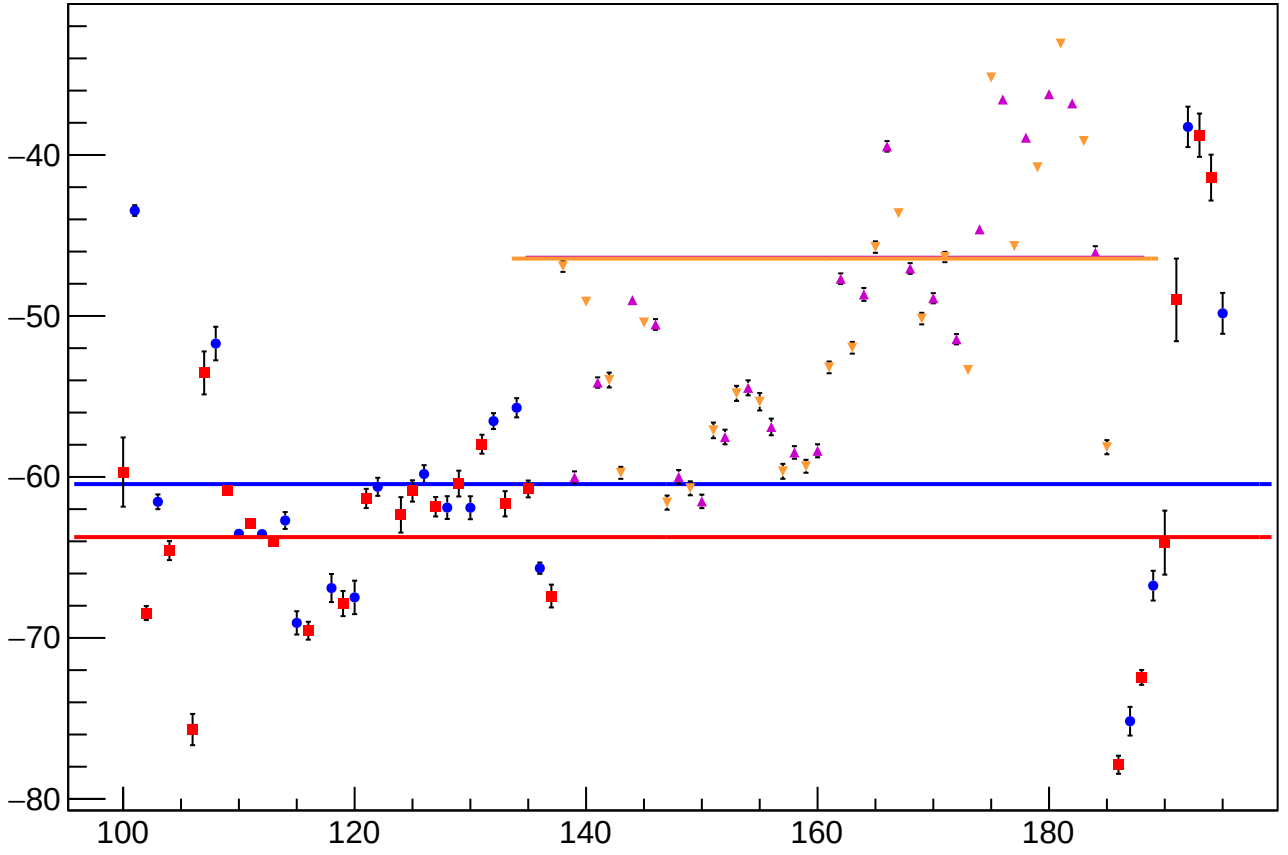
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.409+/-0.046 χ^2/NDF: 8859.9/44

All: 12.388+/-0.033 χ^2/NDF: 15184.8/92

- sign 12.366+/-0.048 χ^2/NDF: 6324.5/47

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: -63.736+/-0.102 χ^2/NDF: 2496.8/24

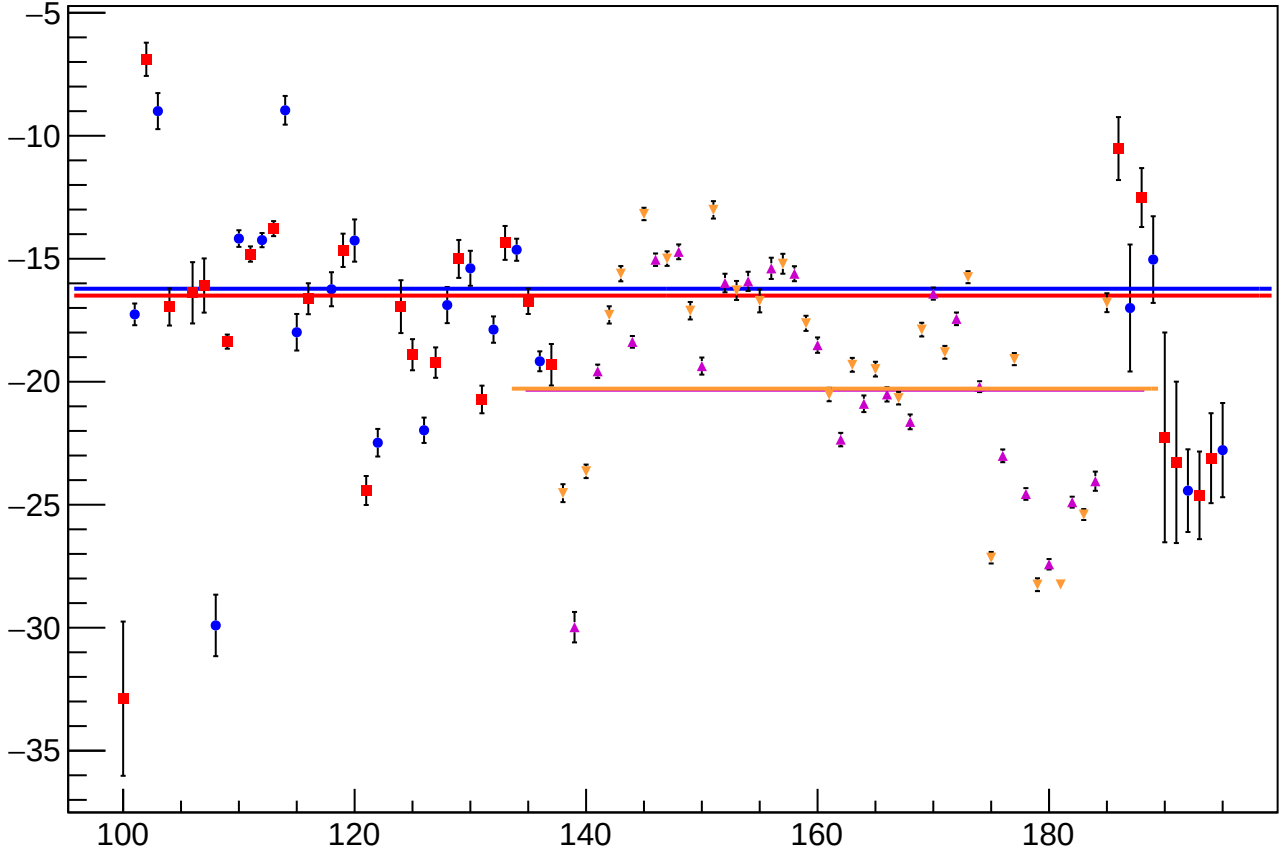
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.992+/-0.056 χ^2/NDF: 34475.8/44

All: -50.791+/-0.039 χ^2/NDF: 72741.9/92

- sign -51.596+/-0.056 χ^2/NDF: 37852.3/47

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: -16.498+/-0.123 χ^2/NDF: 757.5/24

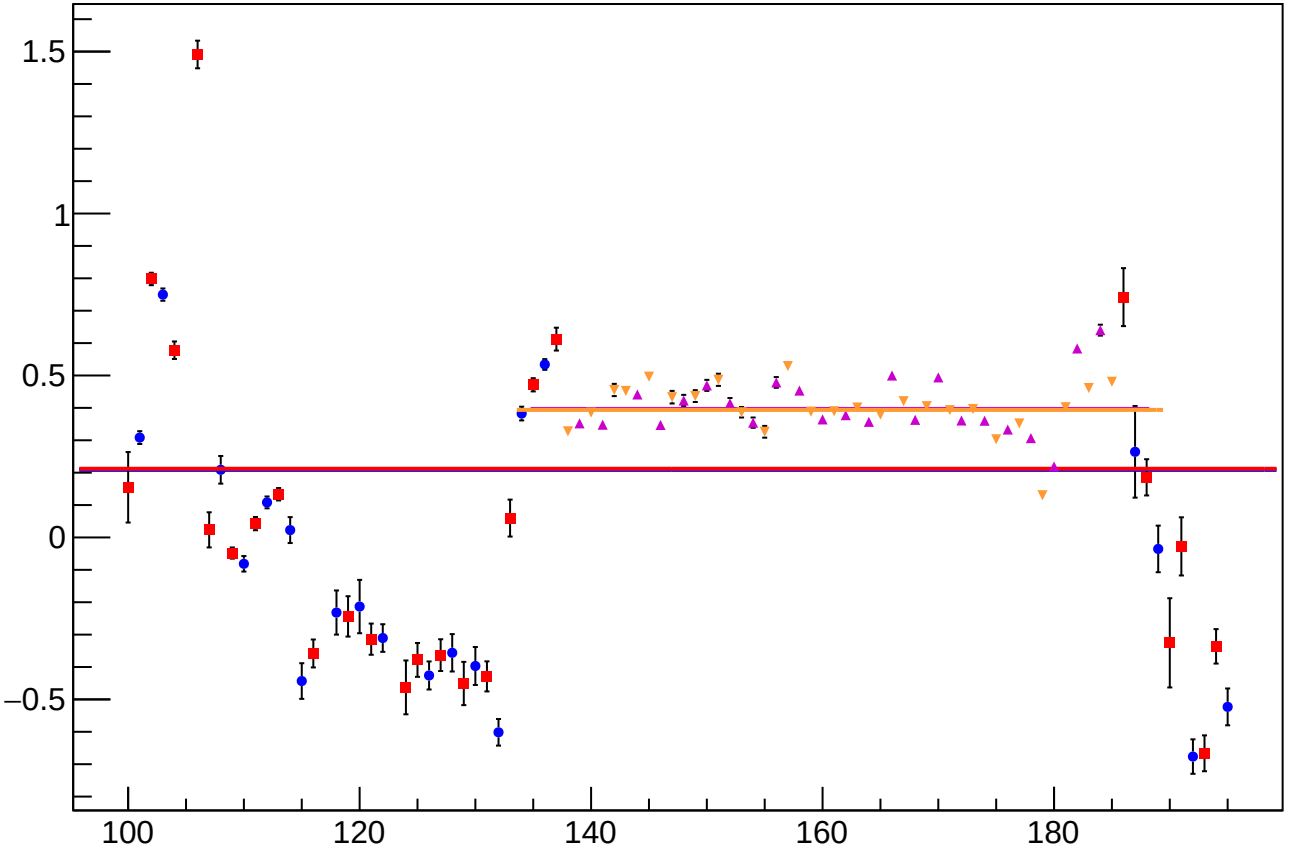
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.590+/-0.052 χ^2/NDF: 8715.0/44

All: -19.597+/-0.037 χ^2/NDF: 14535.1/92

- sign -19.604+/-0.053 χ^2/NDF: 5820.0/47

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: 0.212+/-0.007 χ^2/NDF: 4022.3/24

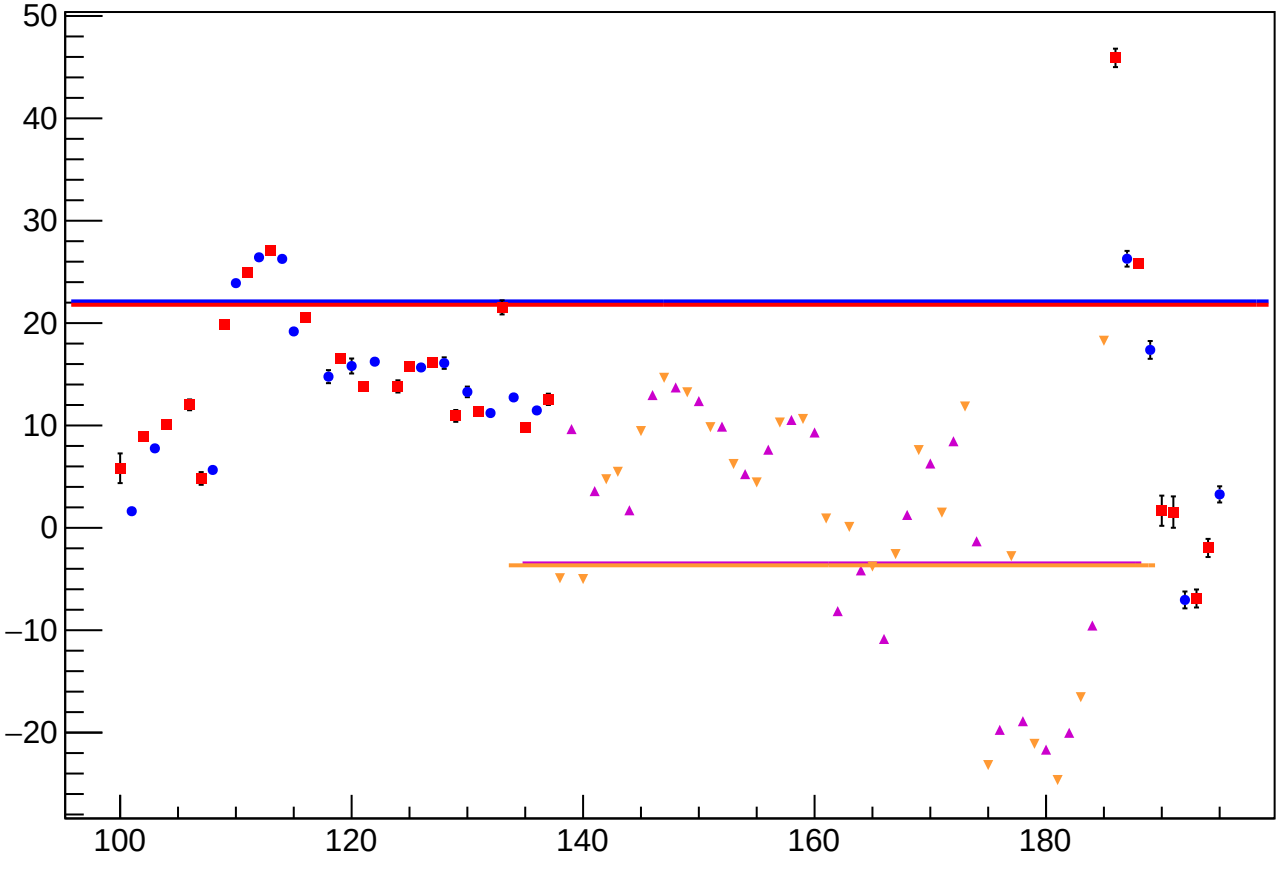
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.371+/-0.002 χ^2/NDF: 4681.7/44

All: 0.372+/-0.002 χ^2/NDF: 10630.2/92

- sign 0.373+/-0.002 χ^2/NDF: 5948.3/47

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: 21.792+/-0.046 χ^2/NDF: 13652.0/24

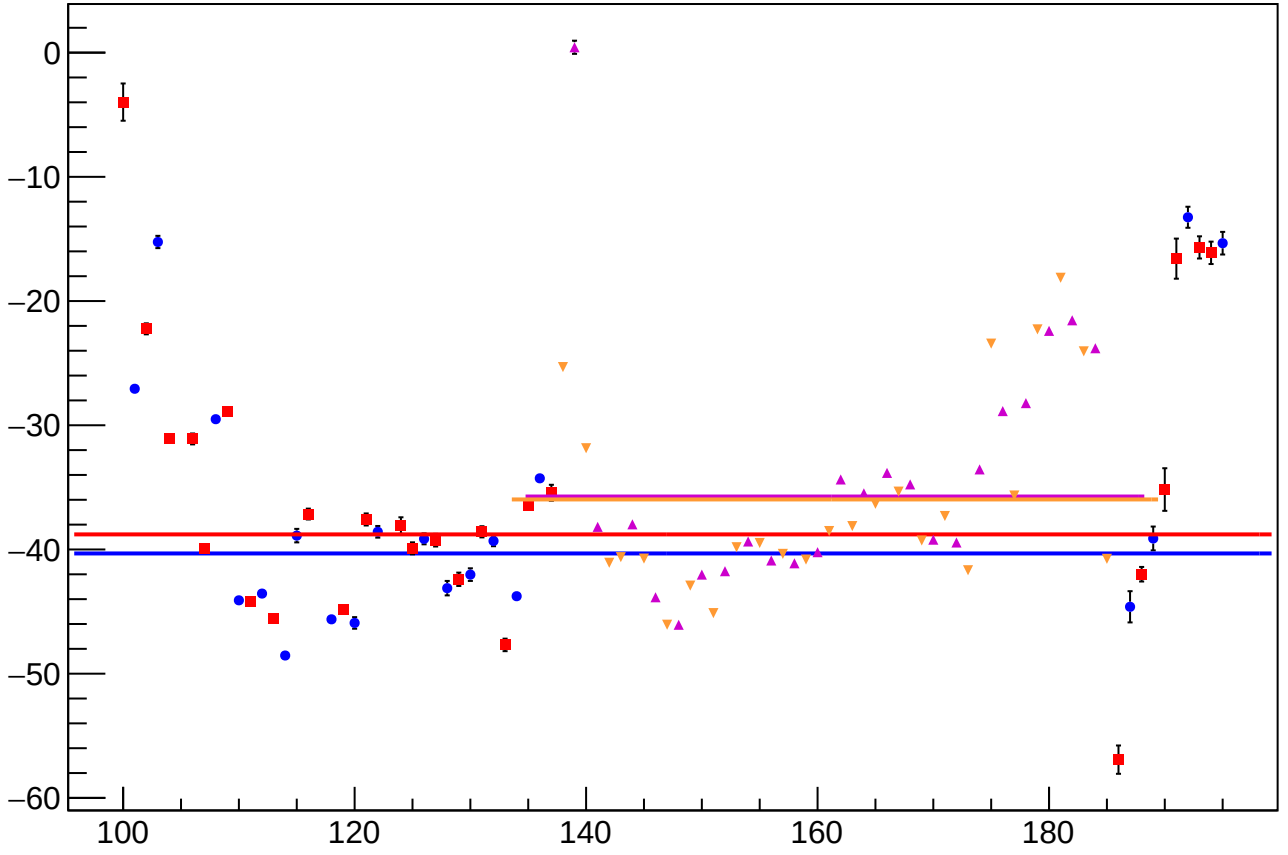
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.886+/-0.039 χ^2/NDF: 179711.8/44

All: 10.565+/-0.026 χ^2/NDF: 360284.2/92

- sign 11.974+/-0.036 χ^2/NDF: 177175.5/47

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: -38.786+/-0.070 χ^2/NDF: 11888.3/24

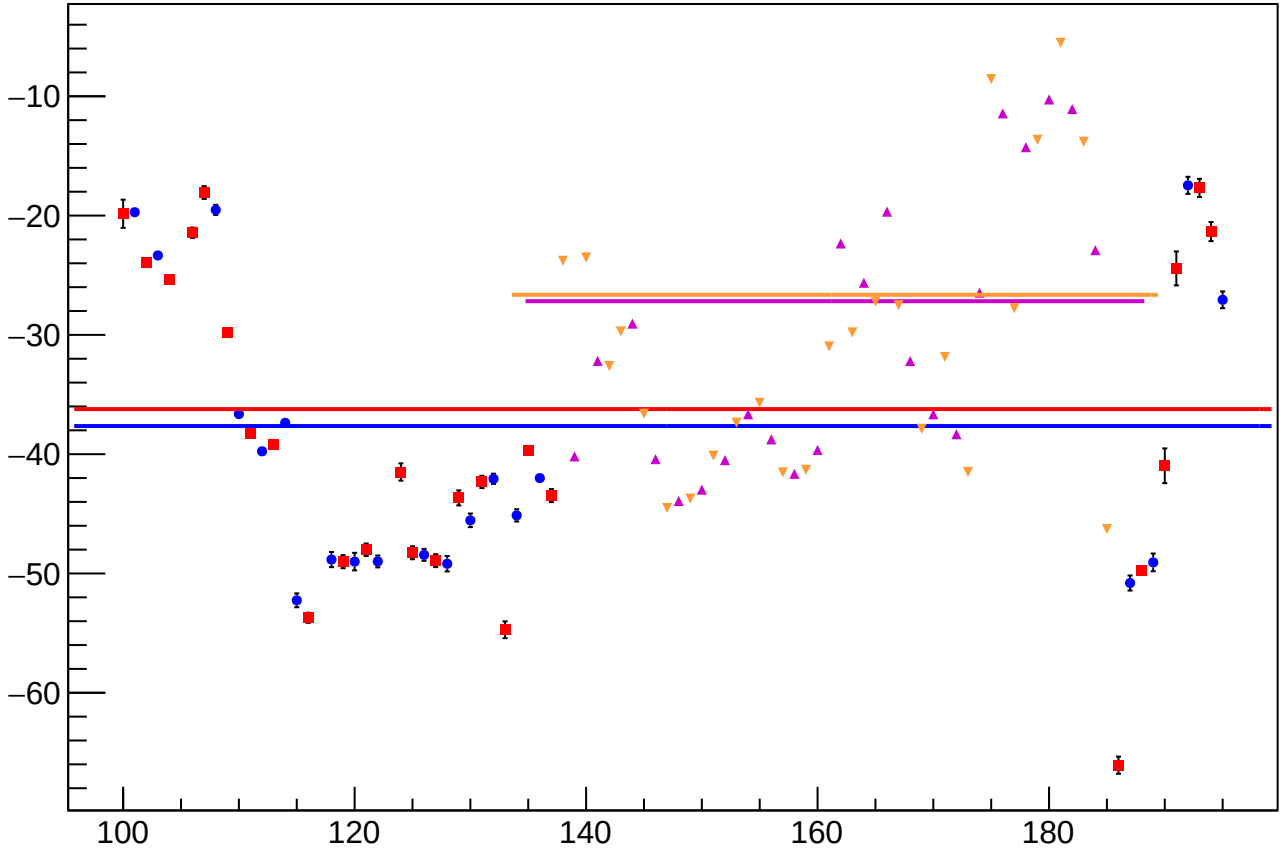
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.015+/-0.037 χ^2/NDF: 45718.7/44

All: -36.827+/-0.026 χ^2/NDF: 86163.1/92

- sign -36.630+/-0.038 χ^2/NDF: 40391.3/47

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: -36.219+/-0.062 χ^2/NDF: 17735.6/24

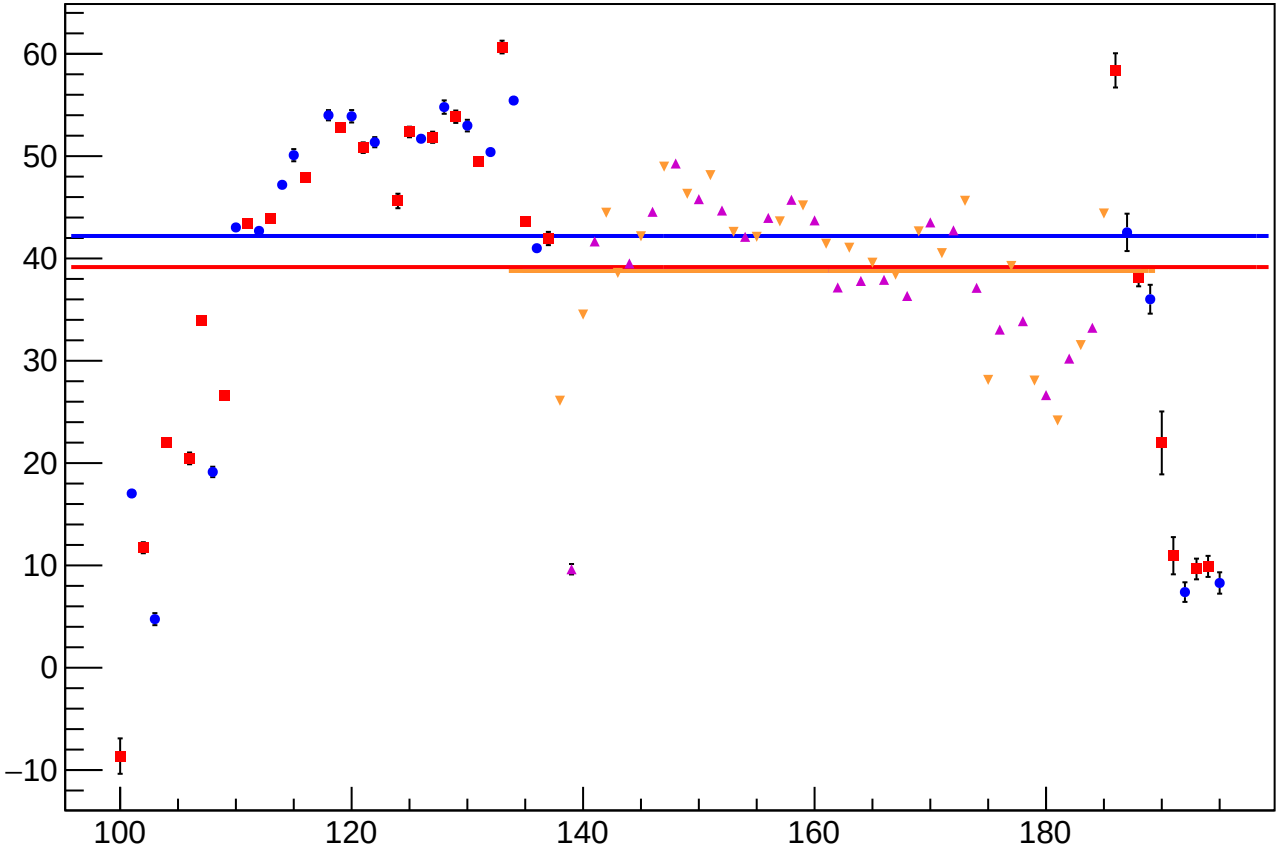
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.645+/-0.044 χ^2/NDF: 77394.7/44

All: -30.987+/-0.030 χ^2/NDF: 147651.9/92

- sign -31.308+/-0.042 χ^2/NDF: 70137.6/47

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: 39.159+/-0.077 χ^2/NDF: 20064.9/24

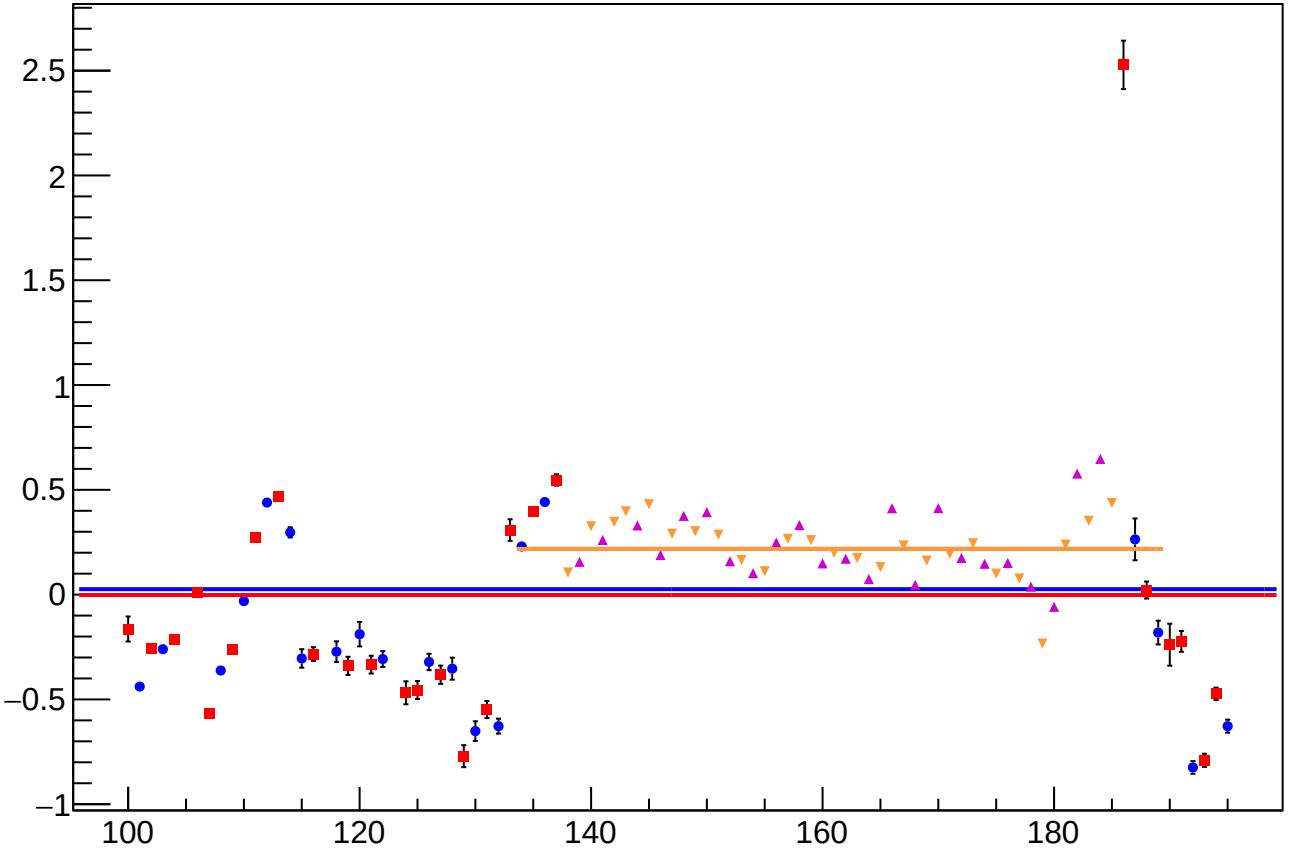
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.609+/-0.042 χ^2/NDF: 39513.5/44

All: 39.259+/-0.030 χ^2/NDF: 75978.6/92

- sign 38.900+/-0.042 χ^2/NDF: 36321.5/47

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: -0.002+/-0.004 χ^2/NDF: 7815.5/24

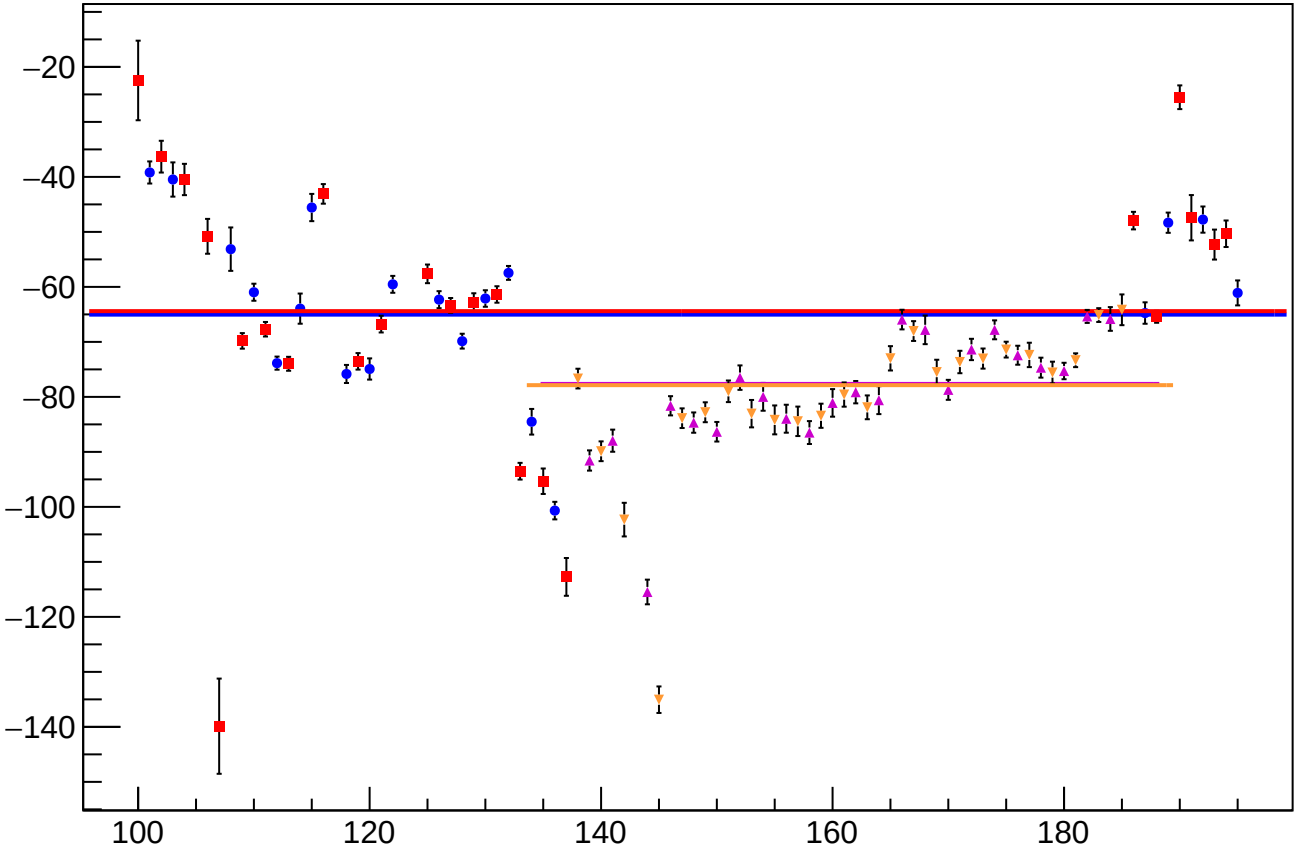
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.185+/-0.002 χ^2/NDF: 12265.5/44

All: 0.178+/-0.001 χ^2/NDF: 27520.5/92

- sign 0.171+/-0.002 χ^2/NDF: 15229.8/47

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: -64.407+/-0.365 χ^2/NDF: 1822.3/23

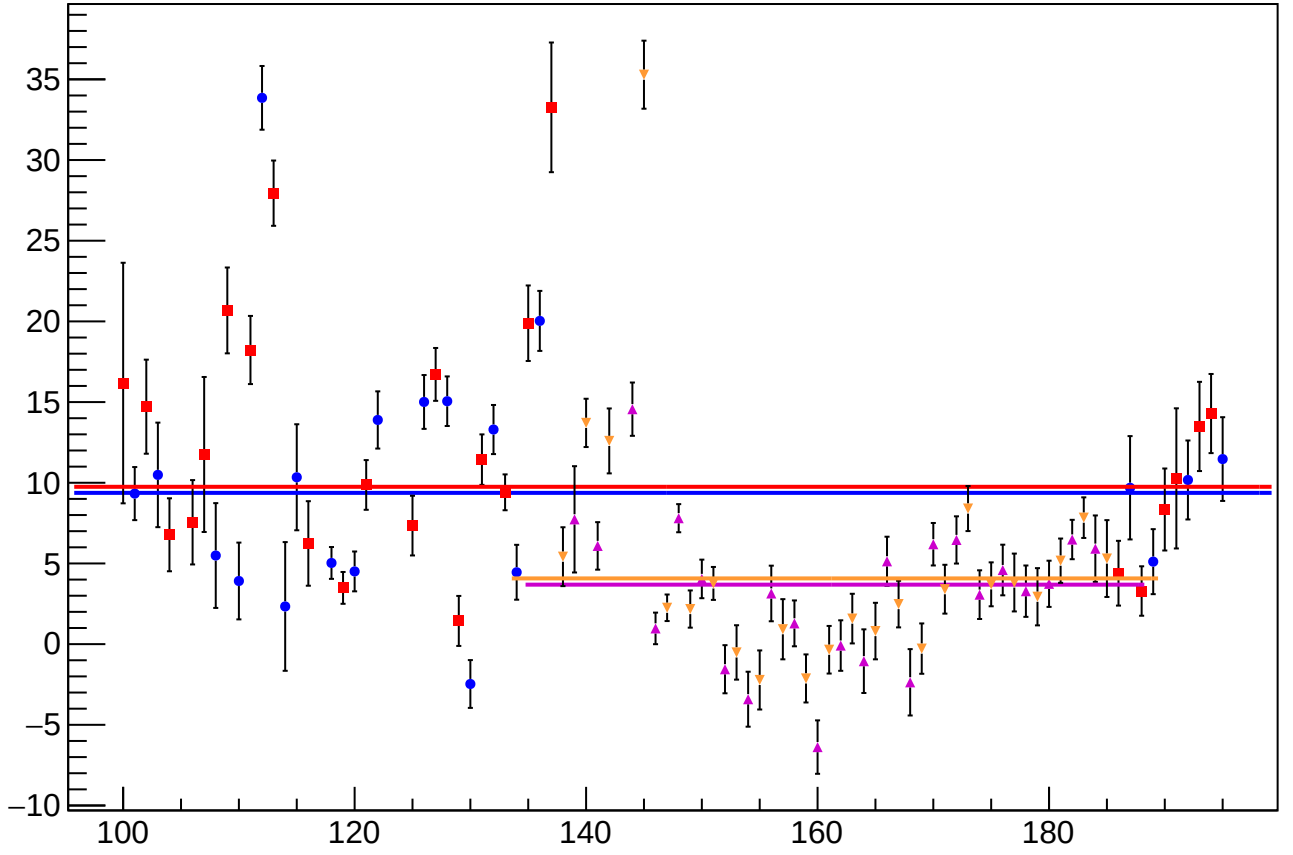
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.456+/-0.279 χ^2/NDF: 2666.7/43

All: -70.952+/-0.193 χ^2/NDF: 5791.6/90

- sign -70.483+/-0.269 χ^2/NDF: 3118.6/46

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: 9.750+/-0.394 χ^2/NDF: 295.6/23

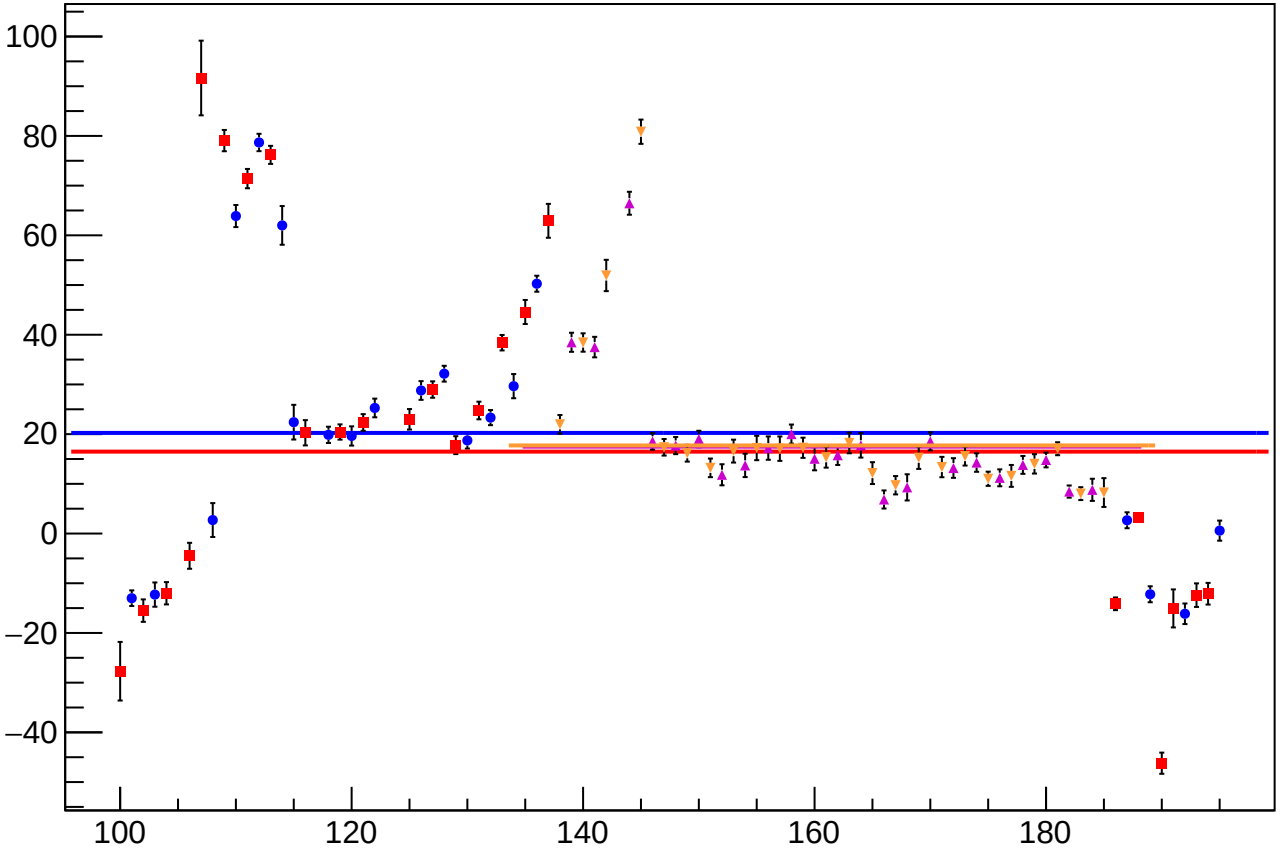
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 5.928+/-0.239 χ^2/NDF: 829.5/43

All: 5.929+/-0.169 χ^2/NDF: 1457.2/90

\- sign 5.929+/-0.239 χ^2/NDF: 627.7/46

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: 16.482+/-0.384 χ^2/NDF: 5997.7/23

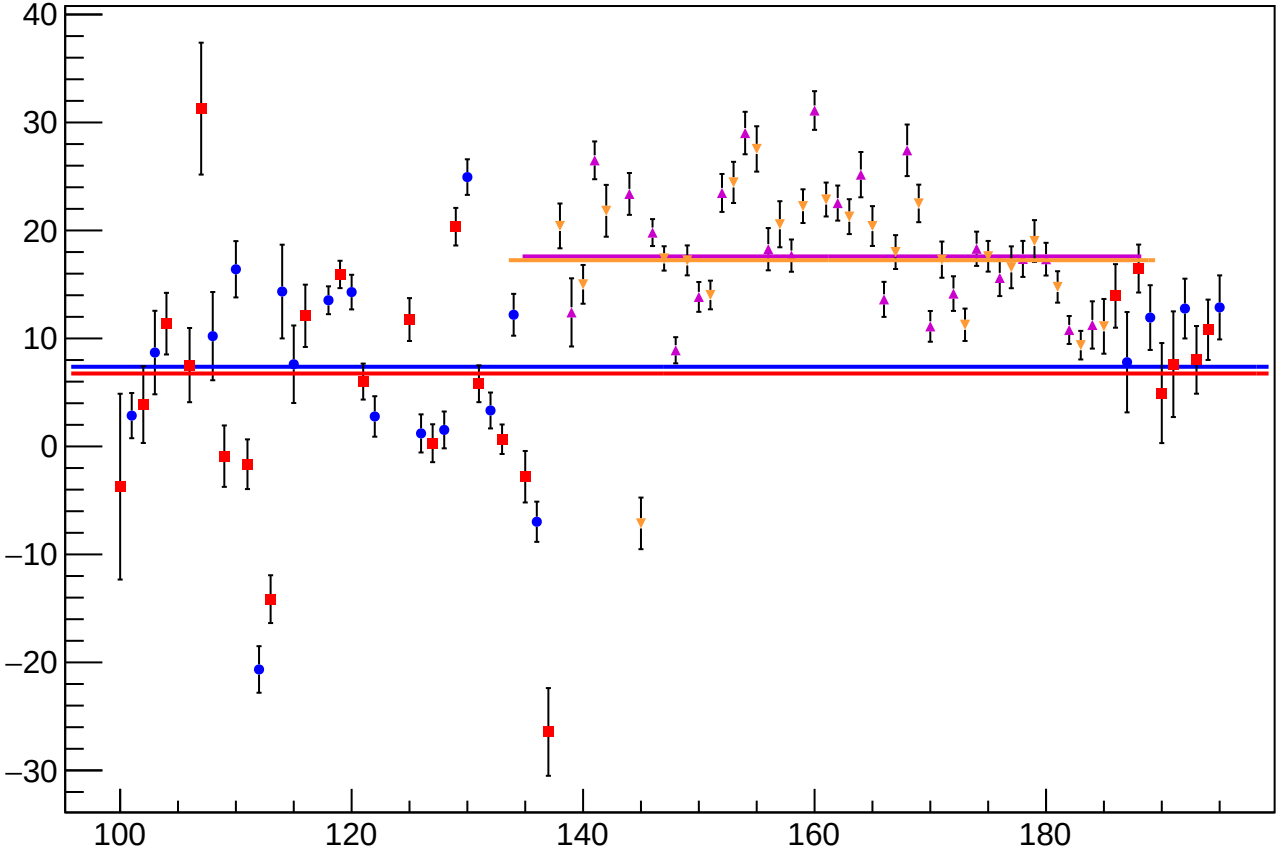
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 18.882+/-0.288 χ^2/NDF: 4732.1/43

All: 17.885+/-0.199 χ^2/NDF: 11576.9/90

- sign 16.976+/-0.275 χ^2/NDF: 6821.8/46

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: 6.753+/-0.466 χ^2/NDF: 398.2/23

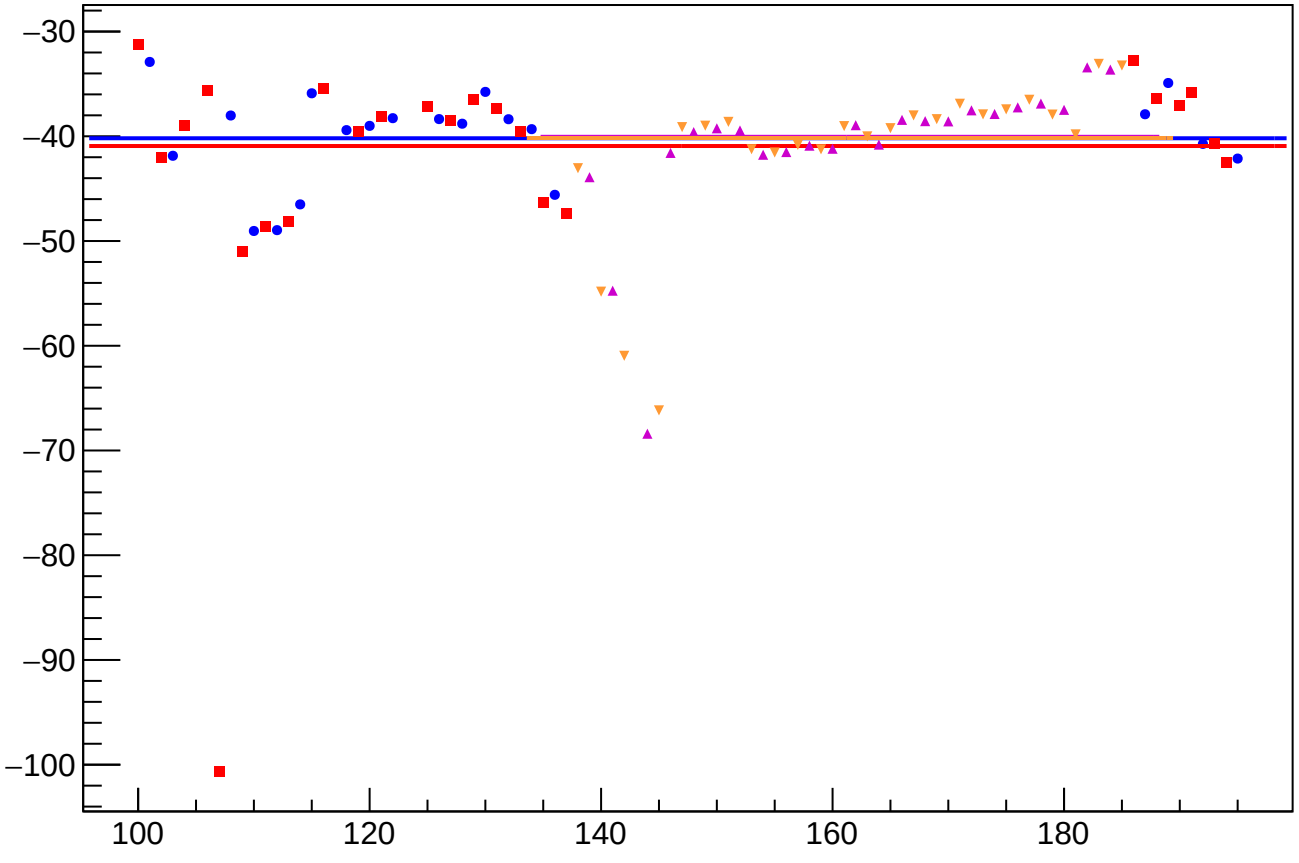
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.906+/-0.275 χ^2/NDF: 1003.8/43

All: 13.851+/-0.195 χ^2/NDF: 2063.7/90

- sign 13.795+/-0.276 χ^2/NDF: 1059.8/46

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: -40.929+/-0.026 χ^2/NDF: 65833.1/23

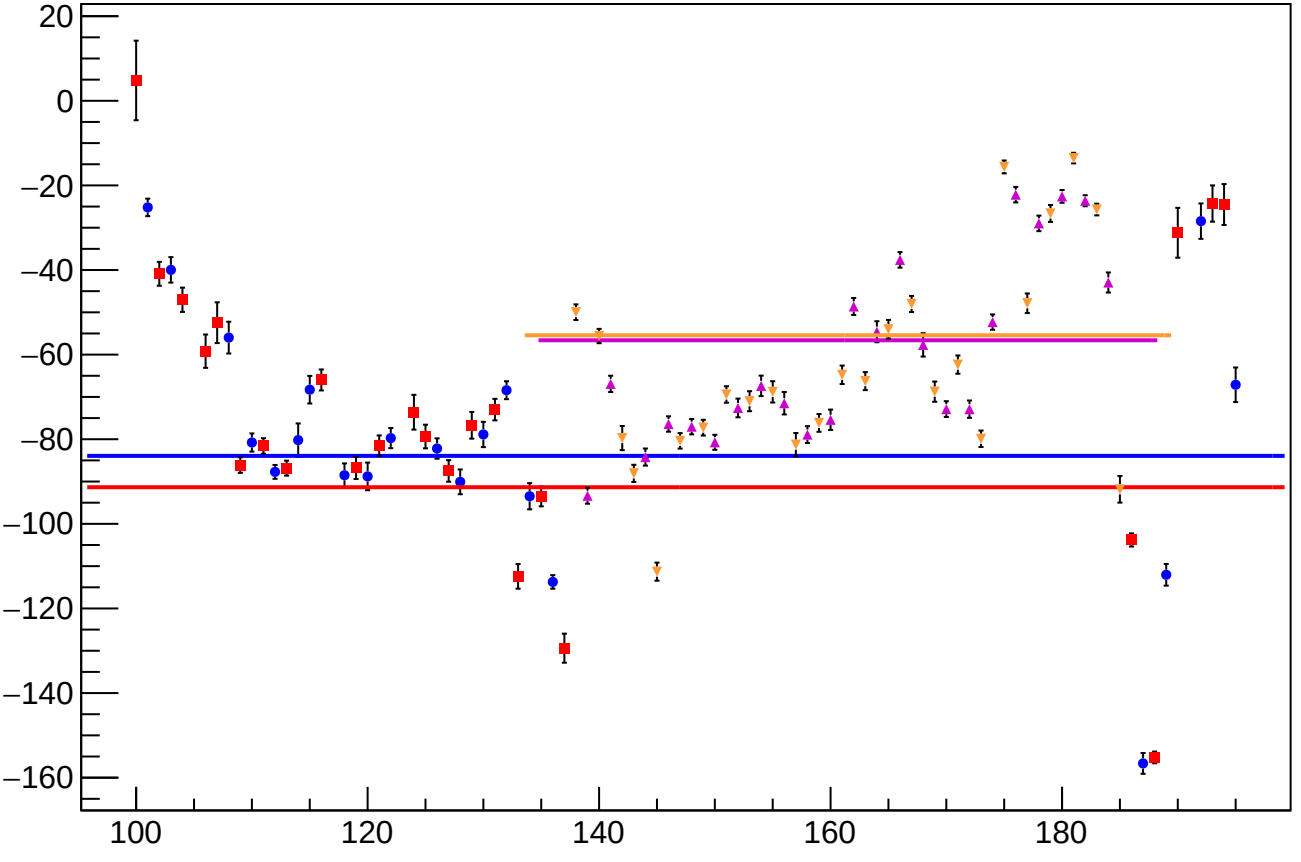
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.171+/-0.013 χ^2/NDF: 186697.7/43

All: -40.223+/-0.009 χ^2/NDF: 389836.5/90

- sign -40.275+/-0.013 χ^2/NDF: 203108.2/46

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: -91.343+/-0.513 χ^2/NDF: 3986.3/23

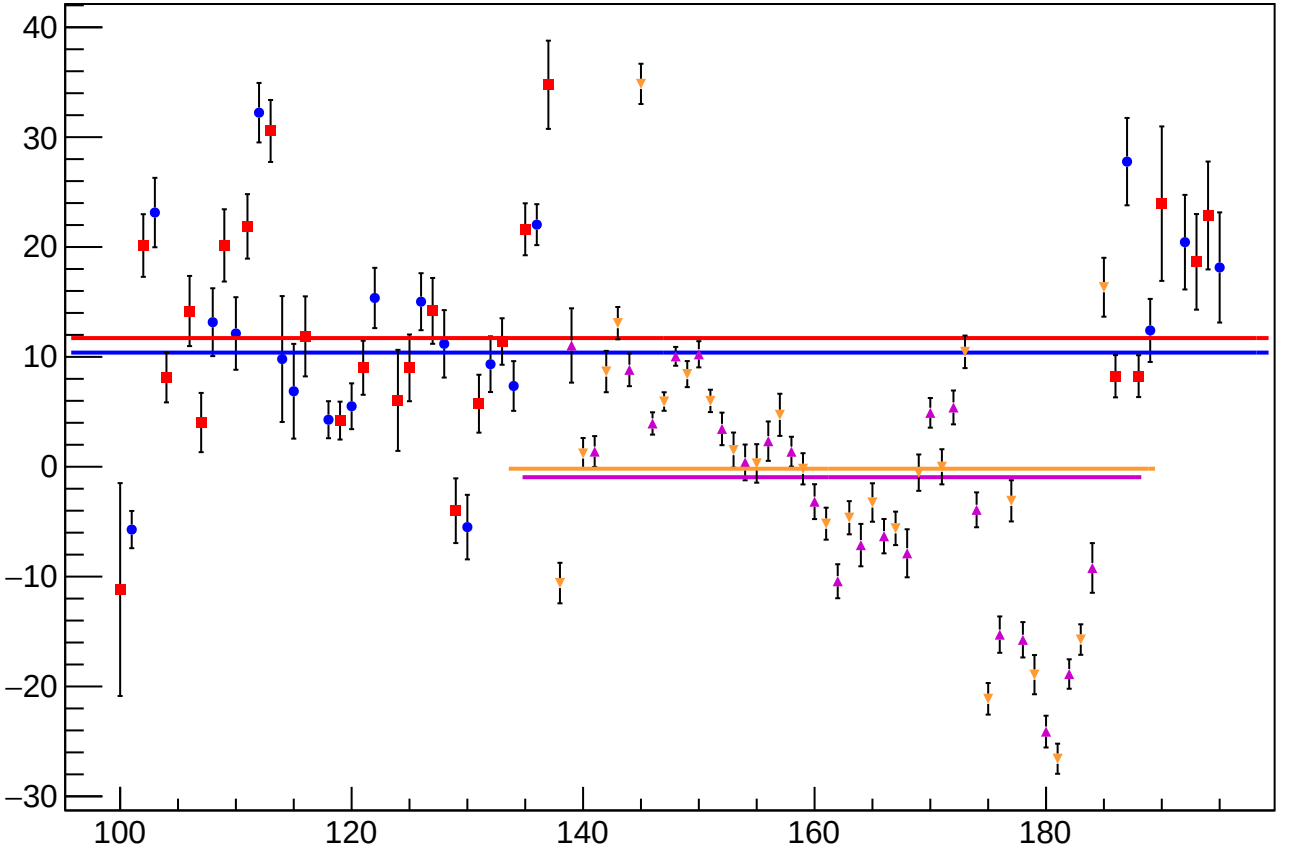
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.690+/-0.323 χ^2/NDF: 8955.6/44

All: -67.340+/-0.226 χ^2/NDF: 19255.4/91

- sign -69.895+/-0.317 χ^2/NDF: 10167.7/46

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: 11.712+/-0.566 χ^2/NDF: 213.4/23

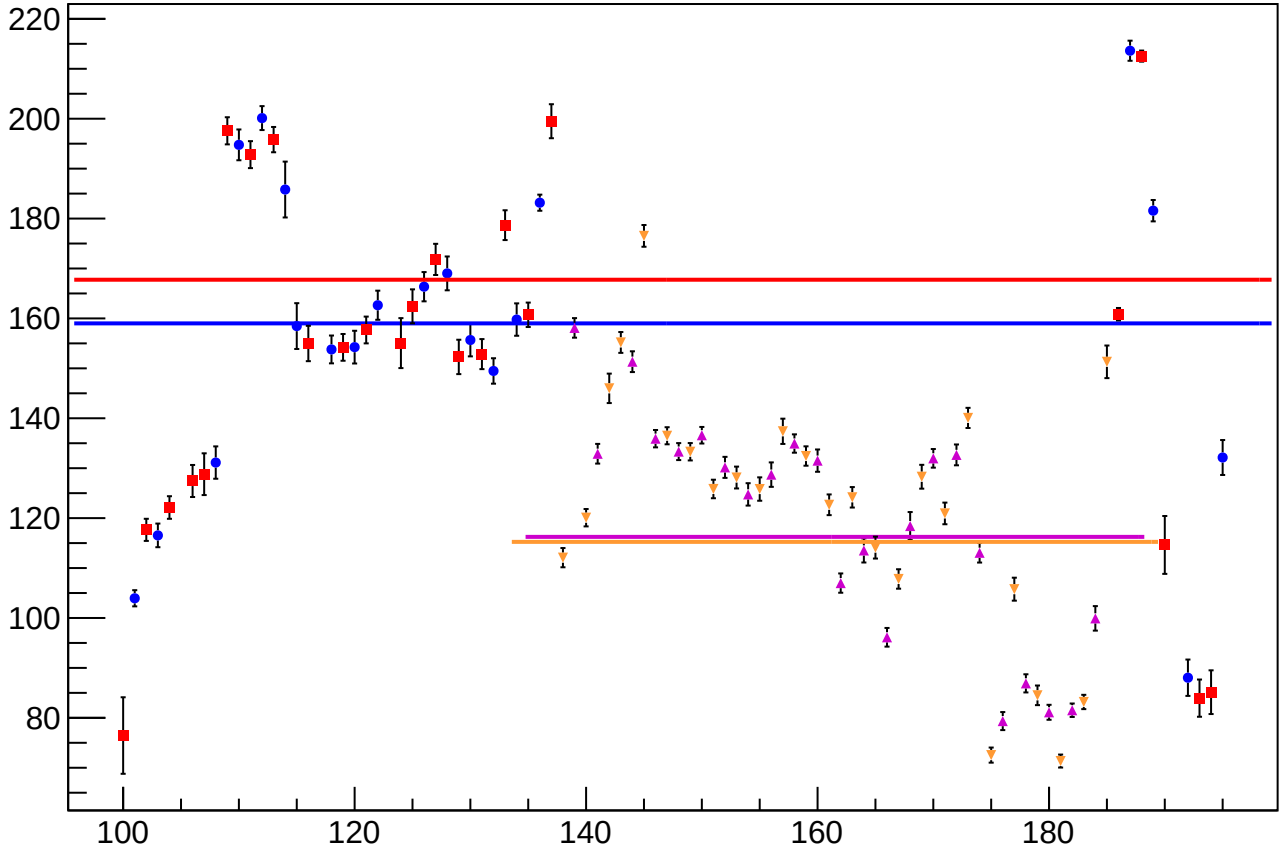
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 1.923+/-0.263 χ^2/NDF: 2151.7/44

All: 1.905+/-0.188 χ^2/NDF: 3823.7/91

\- sign 1.887+/-0.268 χ^2/NDF: 1671.9/46

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: 167.750+/-0.516 χ^2/NDF: 4454.7/23

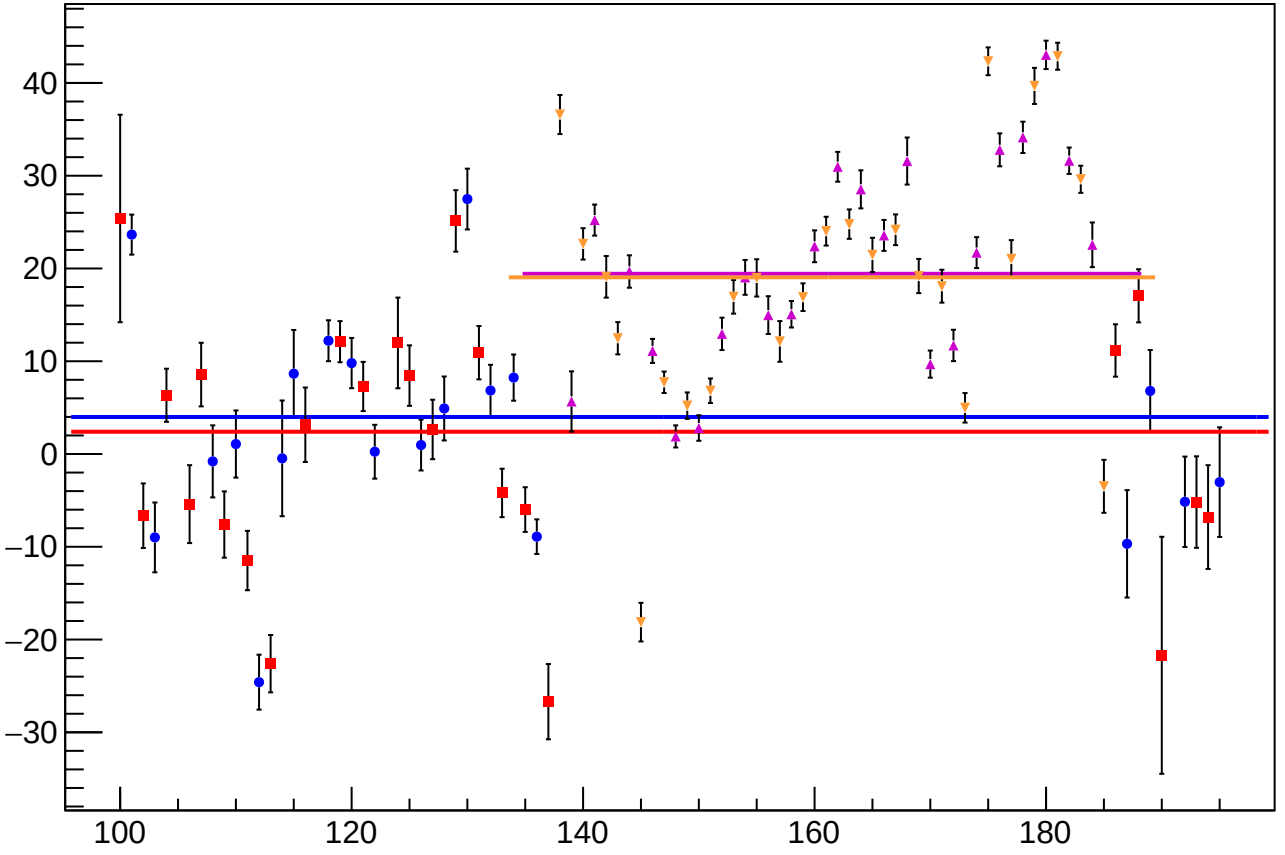
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.672+/-0.325 χ^2/NDF: 12243.8/44

All: 132.196+/-0.226 χ^2/NDF: 26795.5/91

- sign 135.523+/-0.316 χ^2/NDF: 14323.1/46

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: 2.401+/-0.675 χ^2/NDF: 311.7/23

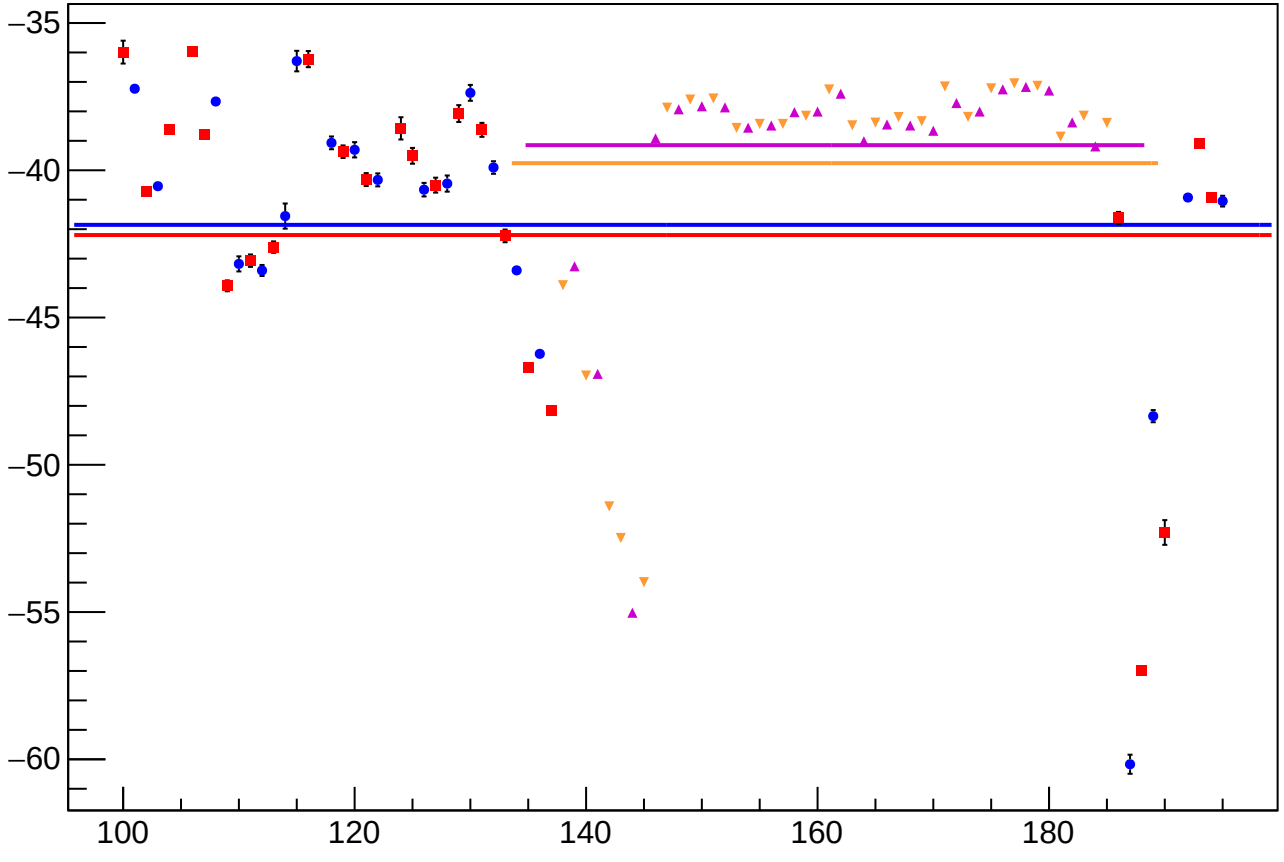
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.144+/-0.302 χ^2/NDF: 2259.9/44

All: 16.018+/-0.216 χ^2/NDF: 4153.1/91

- sign 15.888+/-0.308 χ^2/NDF: 1892.8/46

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: -42.199+/-0.035 χ^2/NDF: 18942.7/23

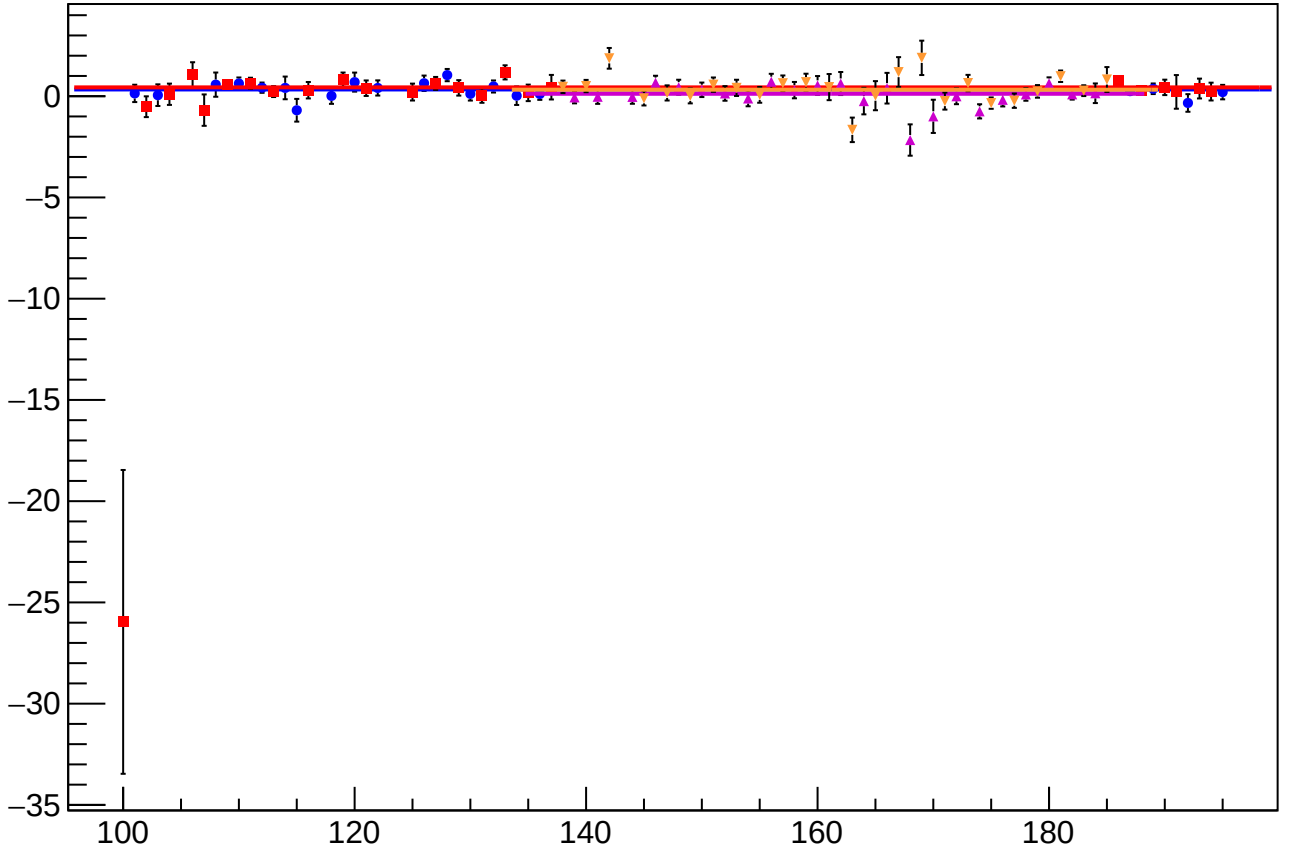
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.091+/-0.014 χ^2/NDF: 97038.6/44

All: -39.869+/-0.010 χ^2/NDF: 169581.7/91

- sign -39.642+/-0.014 χ^2/NDF: 72043.7/46

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+/-0.065 χ^2/NDF: 34.8/23

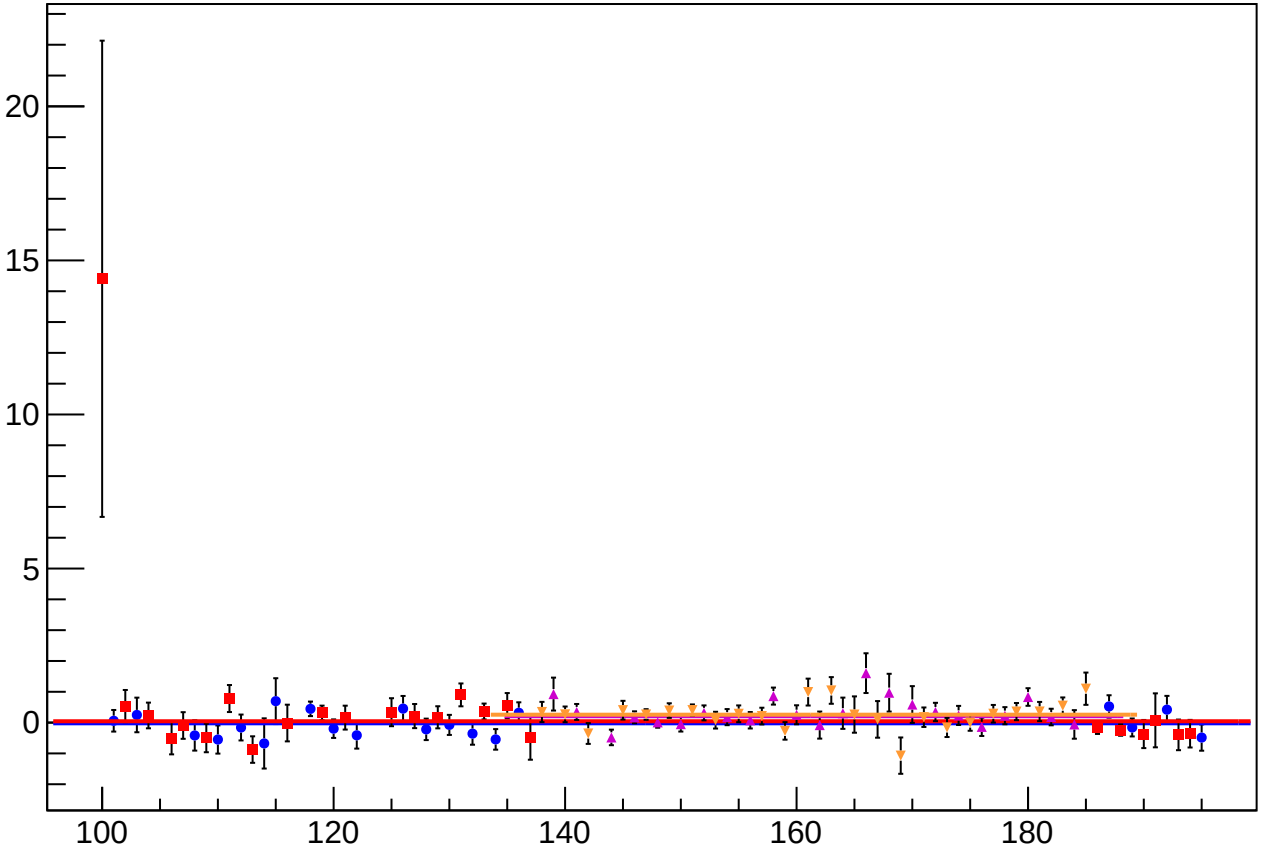
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.327+/-0.055 χ^2/NDF: 63.8/43

All: 0.317+/-0.037 χ^2/NDF: 138.1/90

- sign 0.309+/-0.050 χ^2/NDF: 74.2/46

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: 0.044+/-0.075 χ^2/NDF: 31.3/23

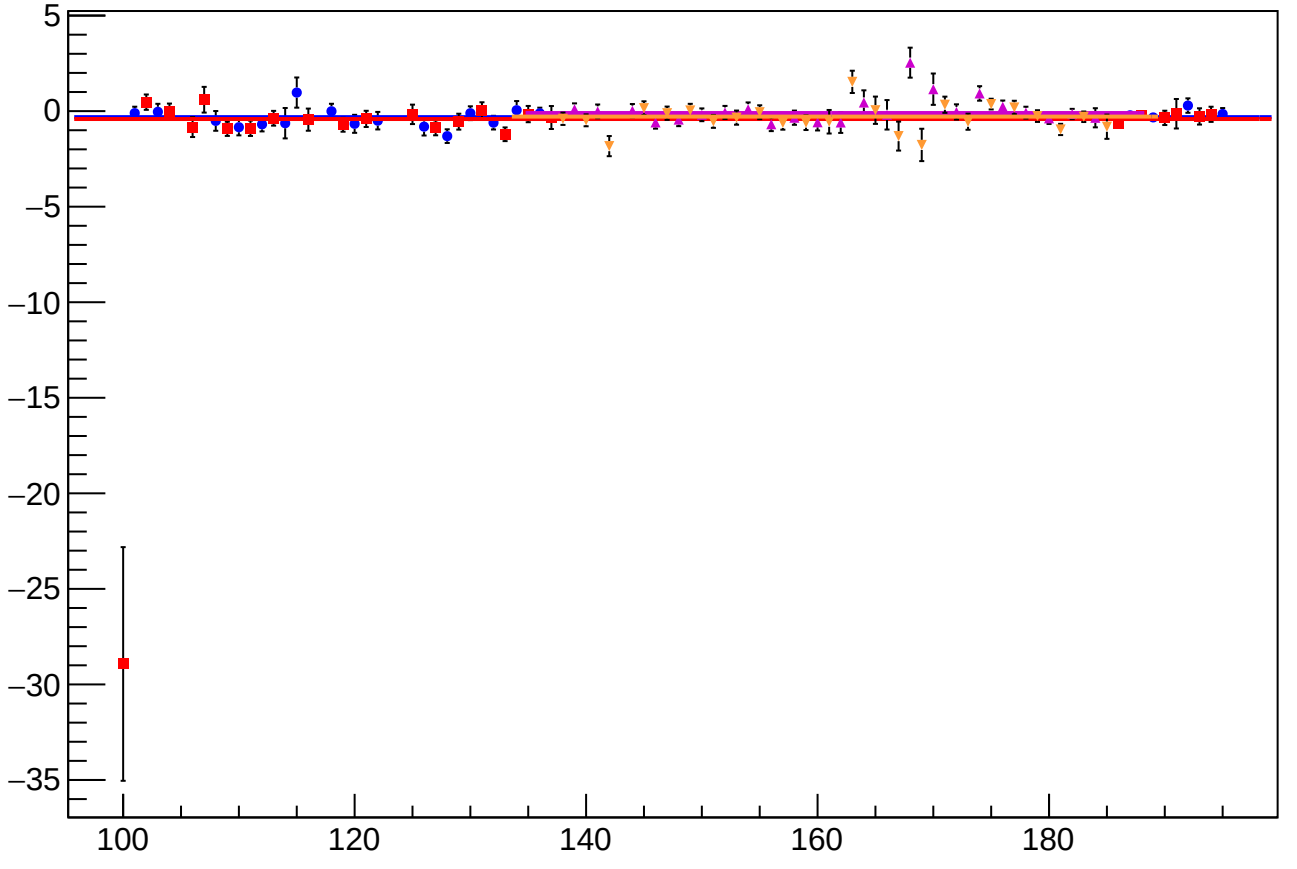
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.163+/-0.048 χ^2/NDF: 53.6/43

All: 0.153+/-0.034 χ^2/NDF: 119.8/90

- sign 0.143+/-0.047 χ^2/NDF: 66.1/46

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: -0.413+/-0.062 χ^2/NDF: 48.6/23

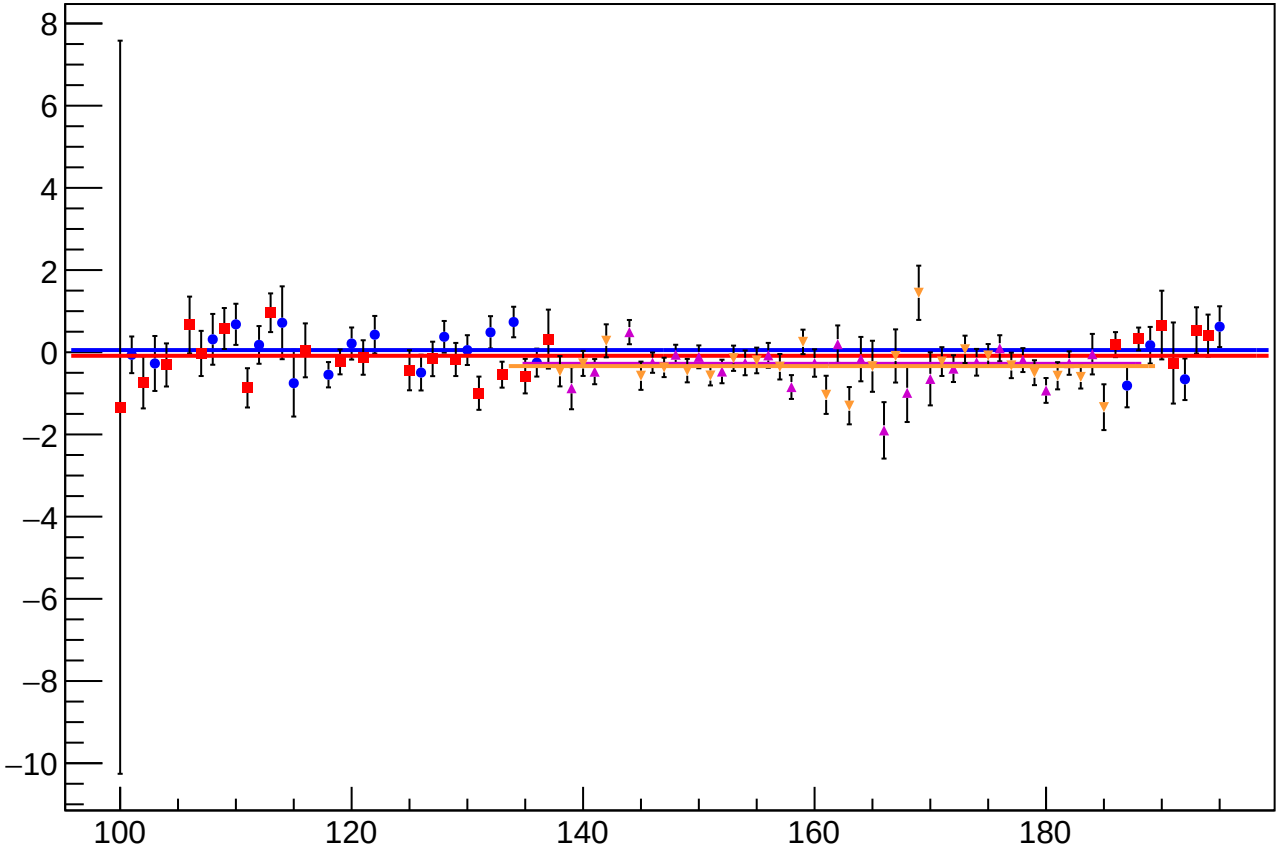
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.300+/-0.055 χ^2/NDF: 66.8/43

All: -0.296+/-0.037 χ^2/NDF: 158.4/90

- sign -0.292+/-0.049 χ^2/NDF: 91.6/46

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: -0.086+/-0.093 χ^2/NDF: 27.5/23

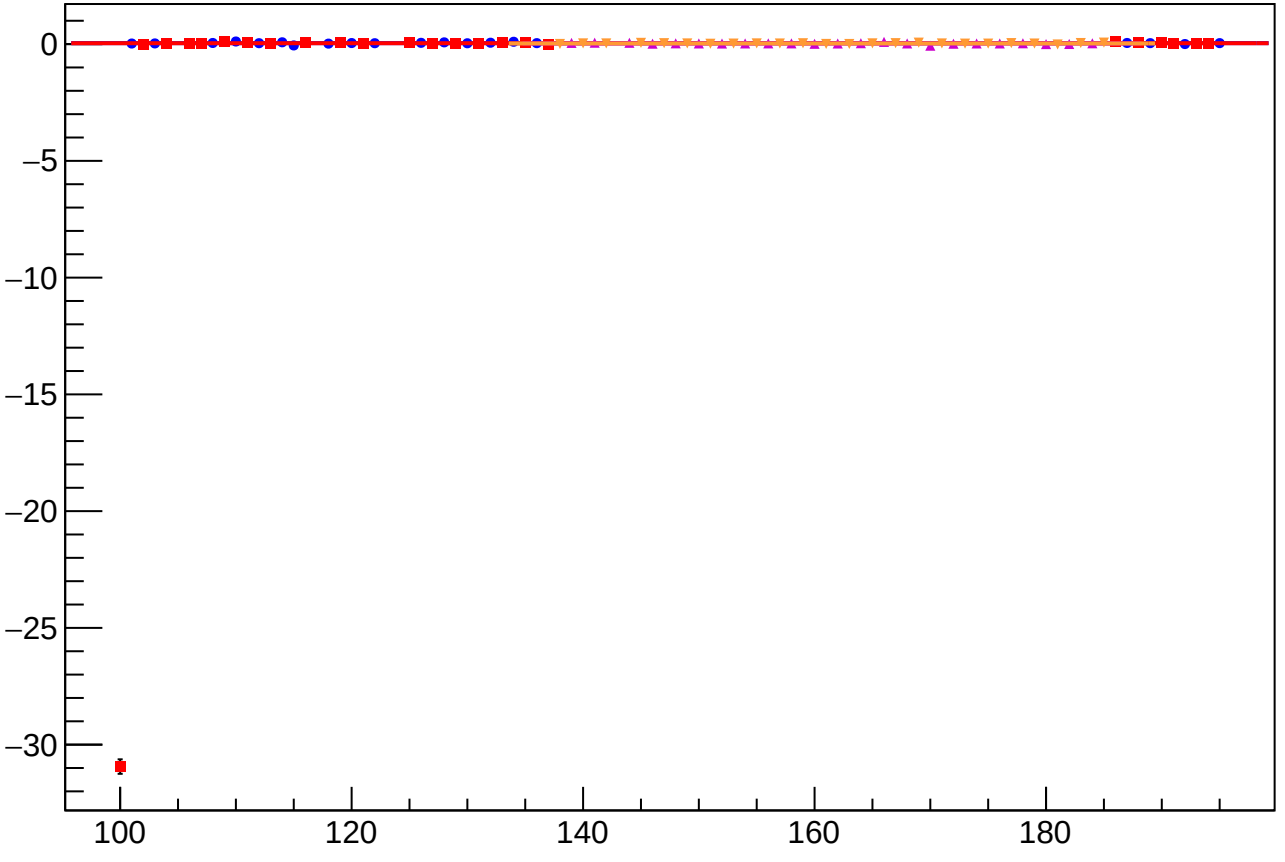
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.212+/-0.056 χ^2/NDF: 62.7/43

All: -0.212+/-0.039 χ^2/NDF: 122.1/90

- sign -0.212+/-0.055 χ^2/NDF: 59.4/46

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: 0.038+/-0.005 χ^2/NDF: 10038.0/23

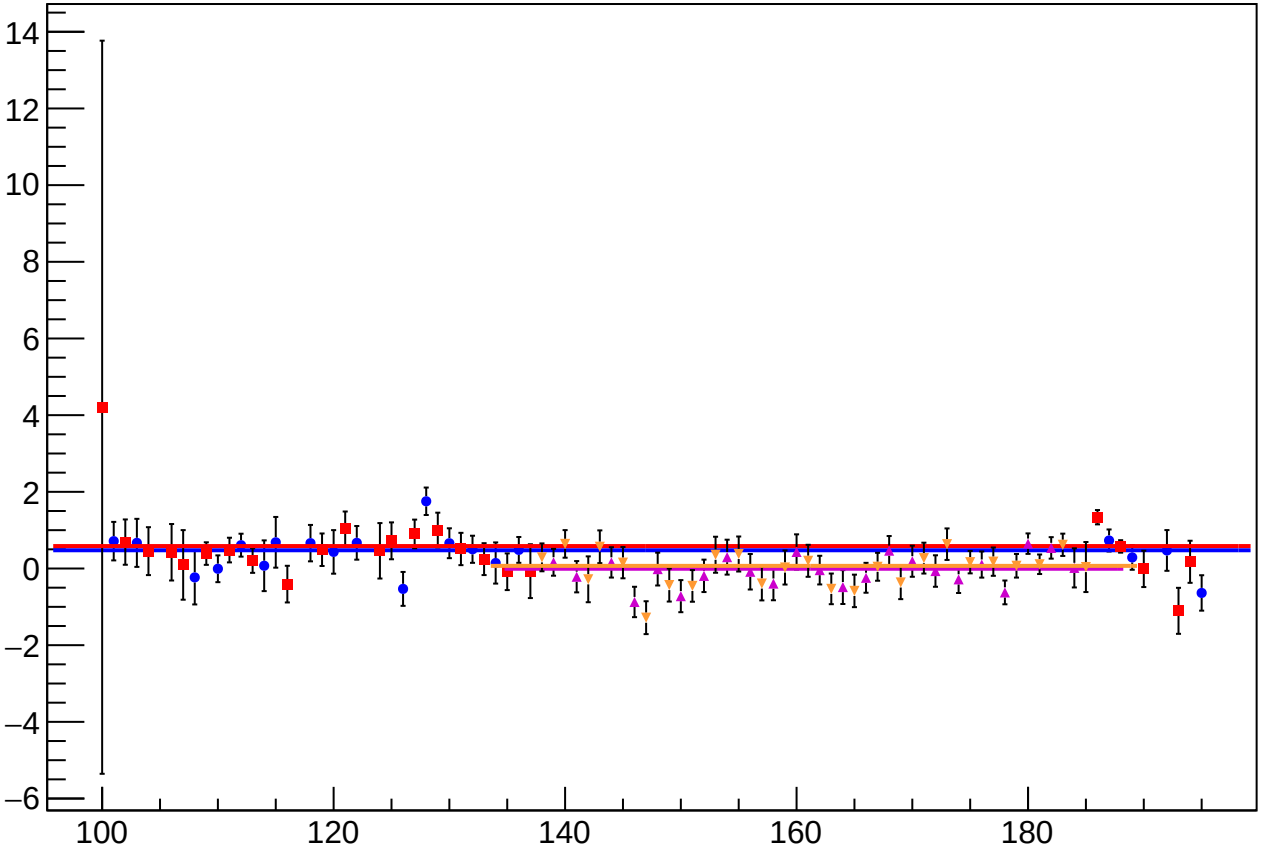
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 59.7/43

All: 0.032+/-0.002 χ^2/NDF: 10139.0/90

- sign 0.032+/-0.003 χ^2/NDF: 10079.2/46

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: 0.585+/-0.077 χ^2/NDF: 39.4/23

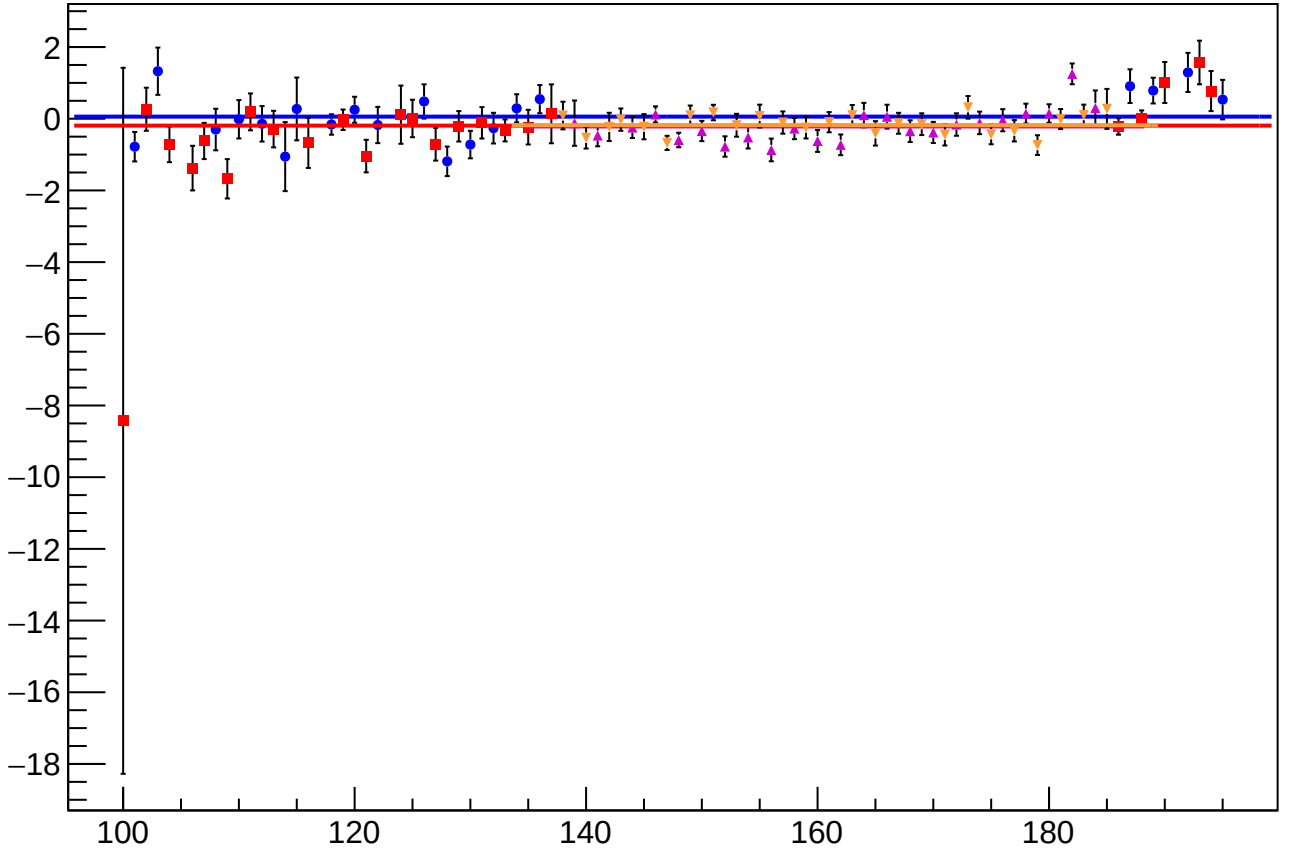
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.234+/-0.060 χ^2/NDF: 72.2/44

All: 0.268+/-0.041 χ^2/NDF: 169.2/91

\- sign 0.298+/-0.055 χ^2/NDF: 96.4/46

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: -0.192+/-0.089 χ^2/NDF: 37.4/23

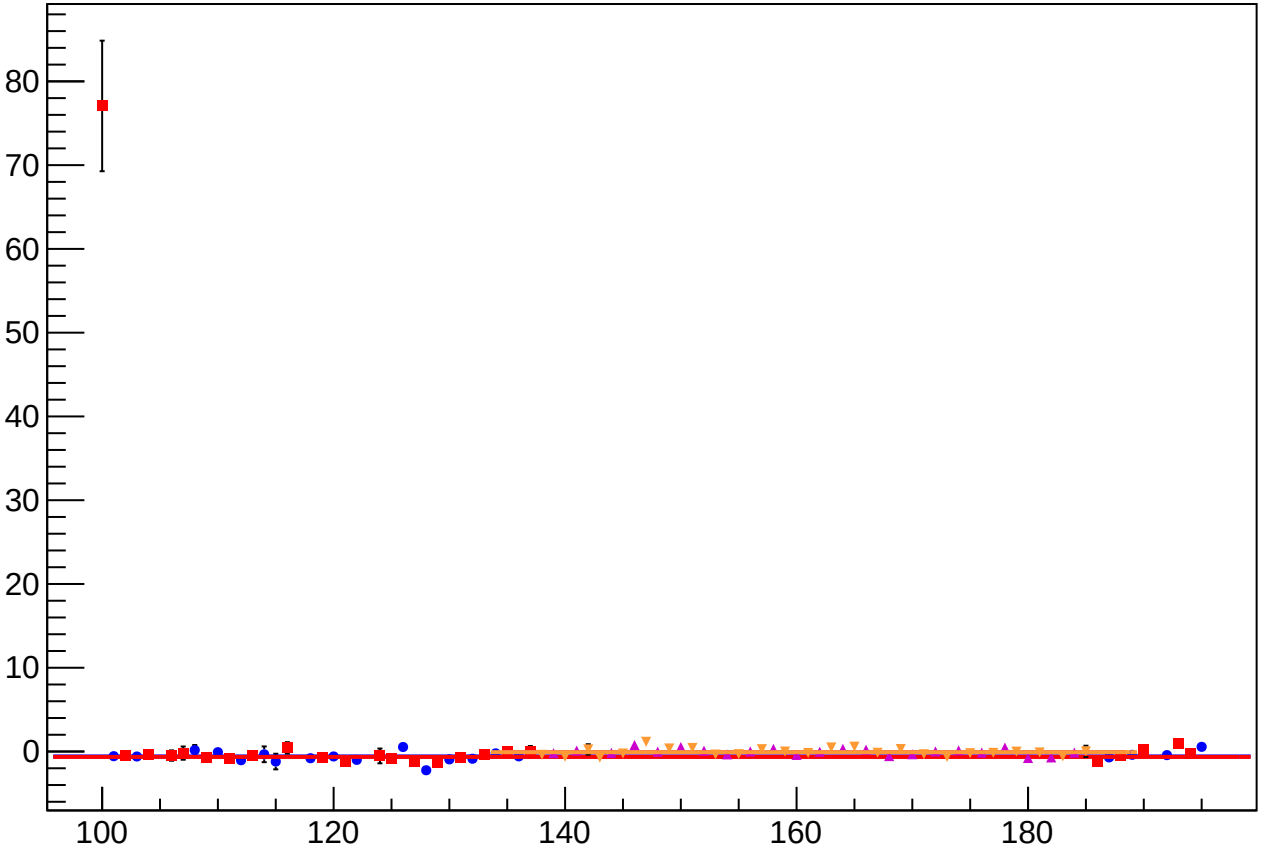
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.119+/-0.051 χ^2/NDF: 69.6/44

All: -0.164+/-0.036 χ^2/NDF: 162.1/91

- sign -0.208+/-0.051 χ^2/NDF: 91.0/46

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: -0.644+/-0.074 χ^2/NDF: 136.6/23

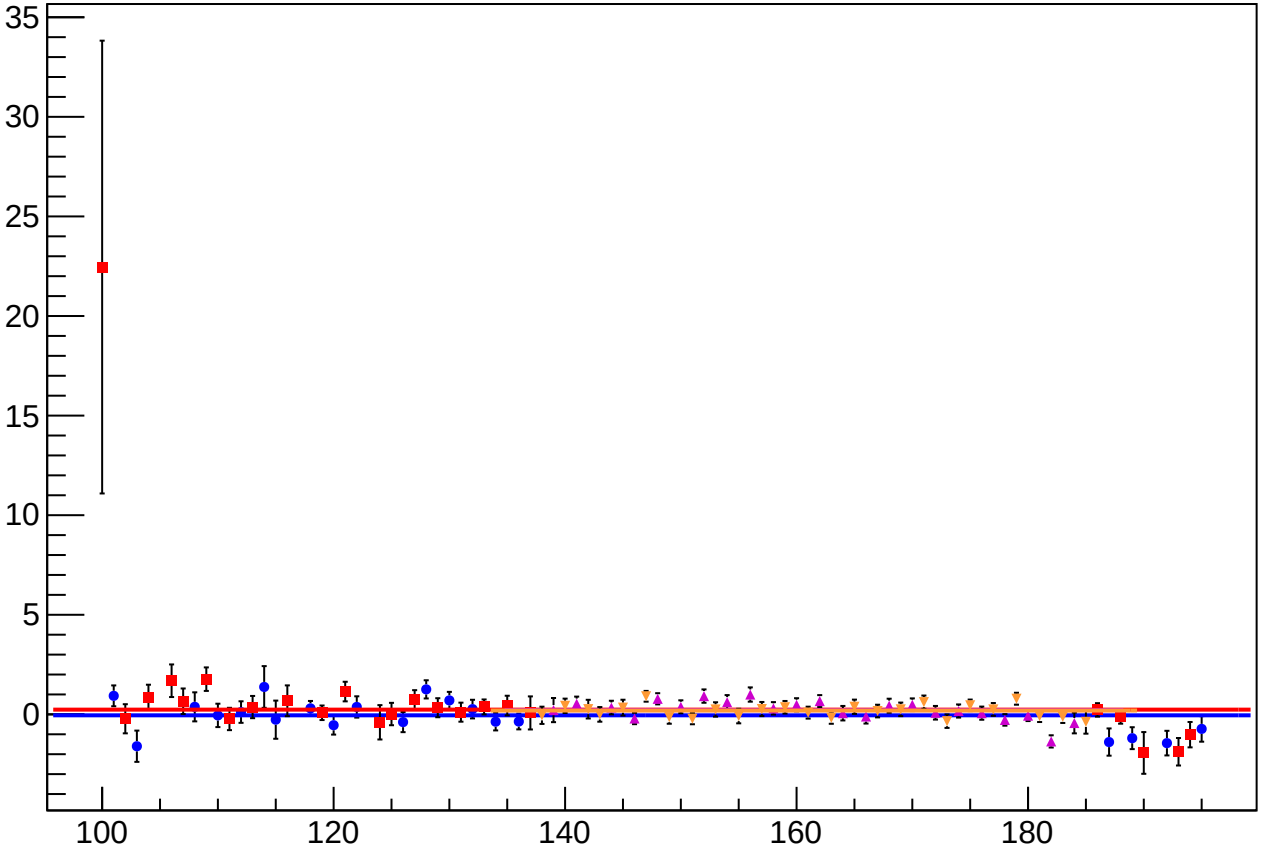
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.278+/-0.060 χ^2/NDF: 82.4/44

All: -0.333+/-0.040 χ^2/NDF: 276.6/91

- sign -0.377+/-0.054 χ^2/NDF: 192.7/46

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: 0.238+/-0.109 χ^2/NDF: 41.0/23

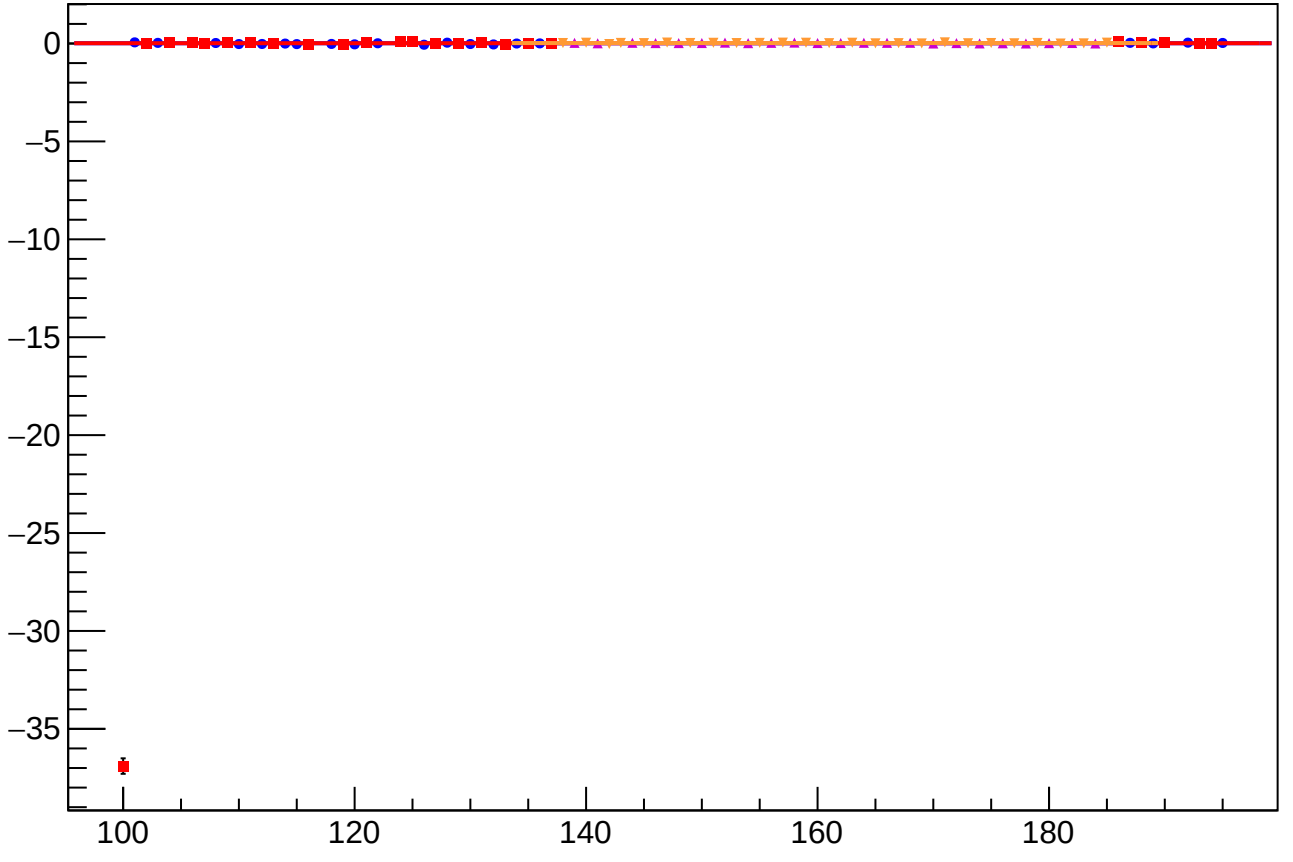
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.135+/-0.058 χ^2/NDF: 69.1/44

All: 0.178+/-0.041 χ^2/NDF: 166.3/91

- sign 0.222+/-0.058 χ^2/NDF: 96.1/46

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: 8775.7/23

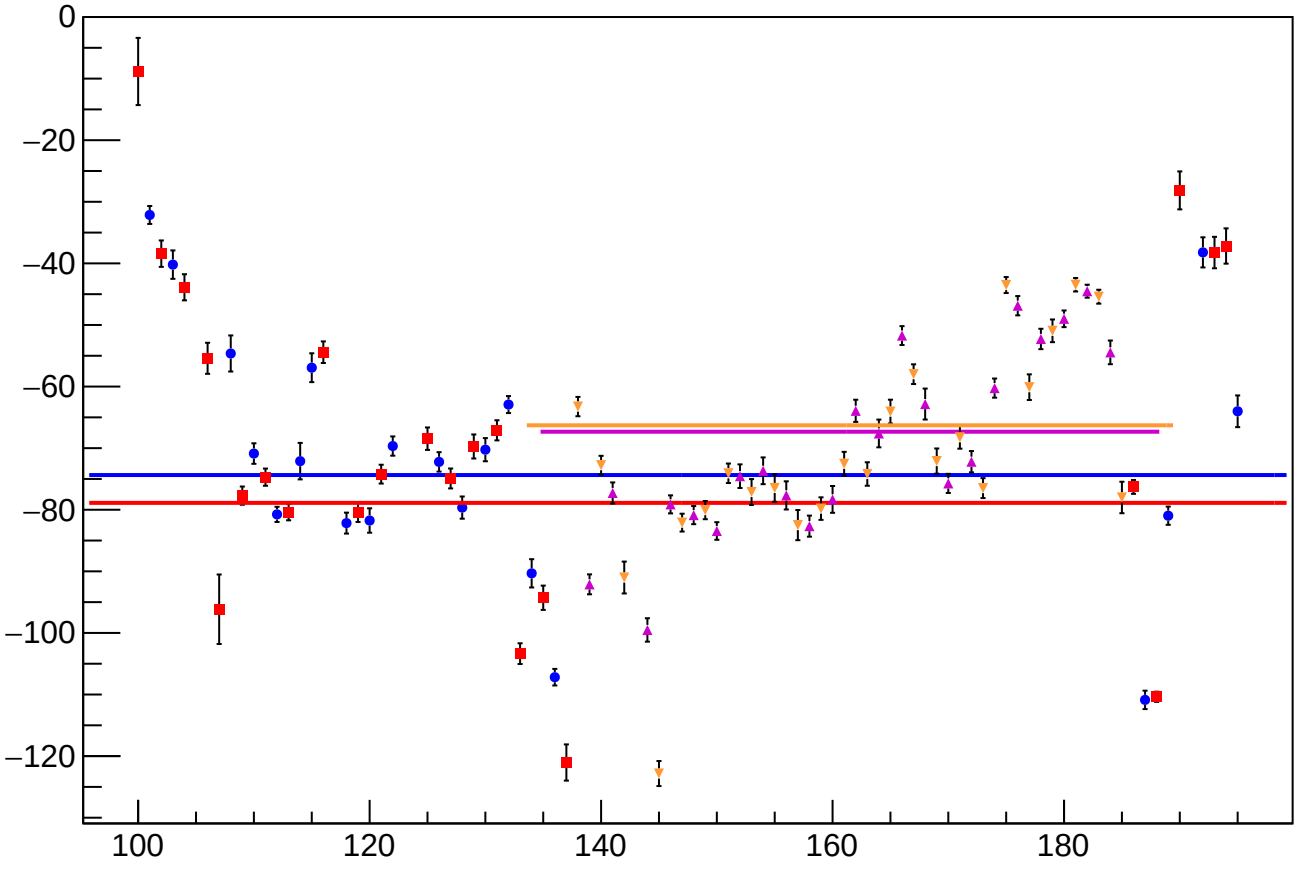
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.022+/-0.003 χ^2/NDF: 54.7/44

All: 0.022+/-0.002 χ^2/NDF: 8850.5/91

\- sign 0.022+/-0.003 χ^2/NDF: 8795.8/46

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: -78.882+/-0.353 χ^2/NDF: 3883.3/22

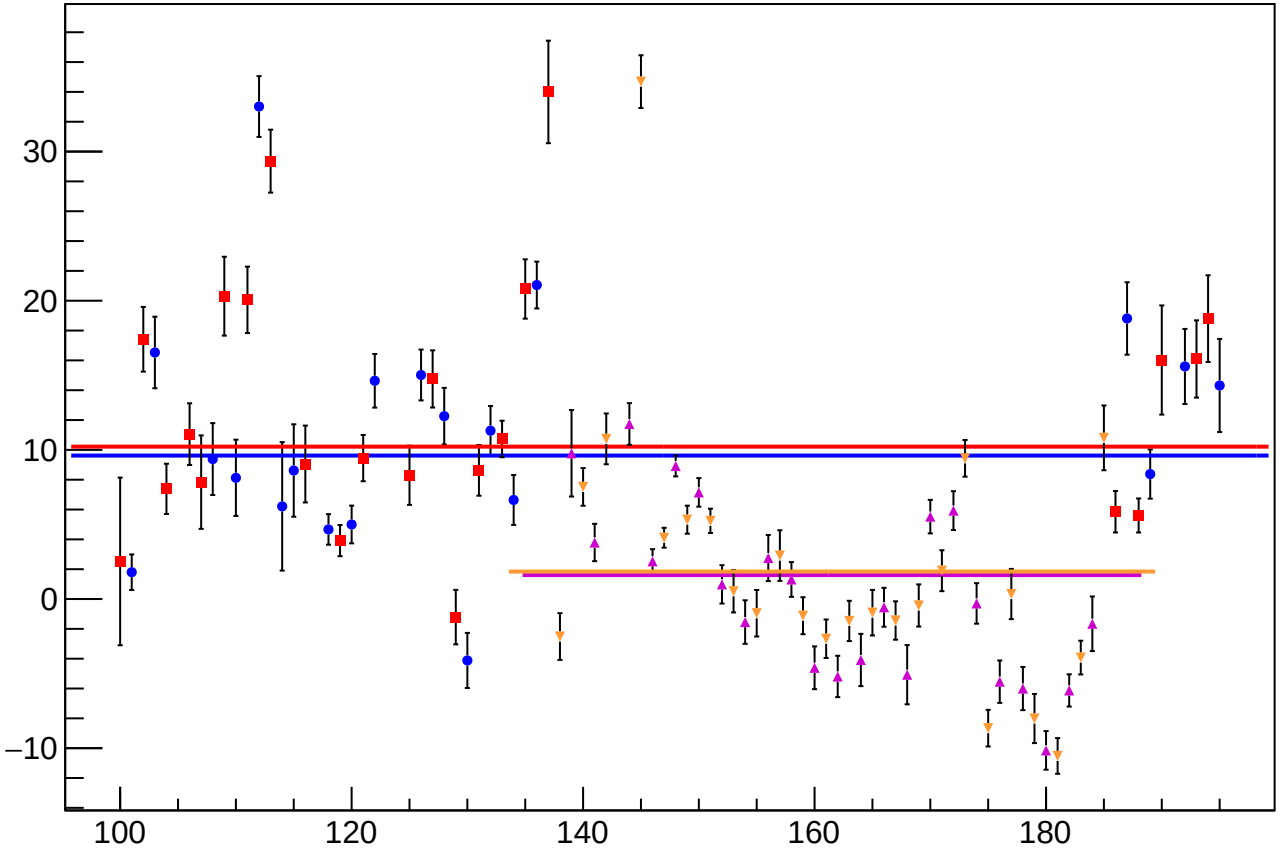
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.822+/-0.258 χ^2/NDF: 5604.1/43

All: -71.469+/-0.178 χ^2/NDF: 12215.8/89

- sign -72.978+/-0.247 χ^2/NDF: 6533.5/45

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: 10.216+/-0.384 χ^2/NDF: 335.2/22

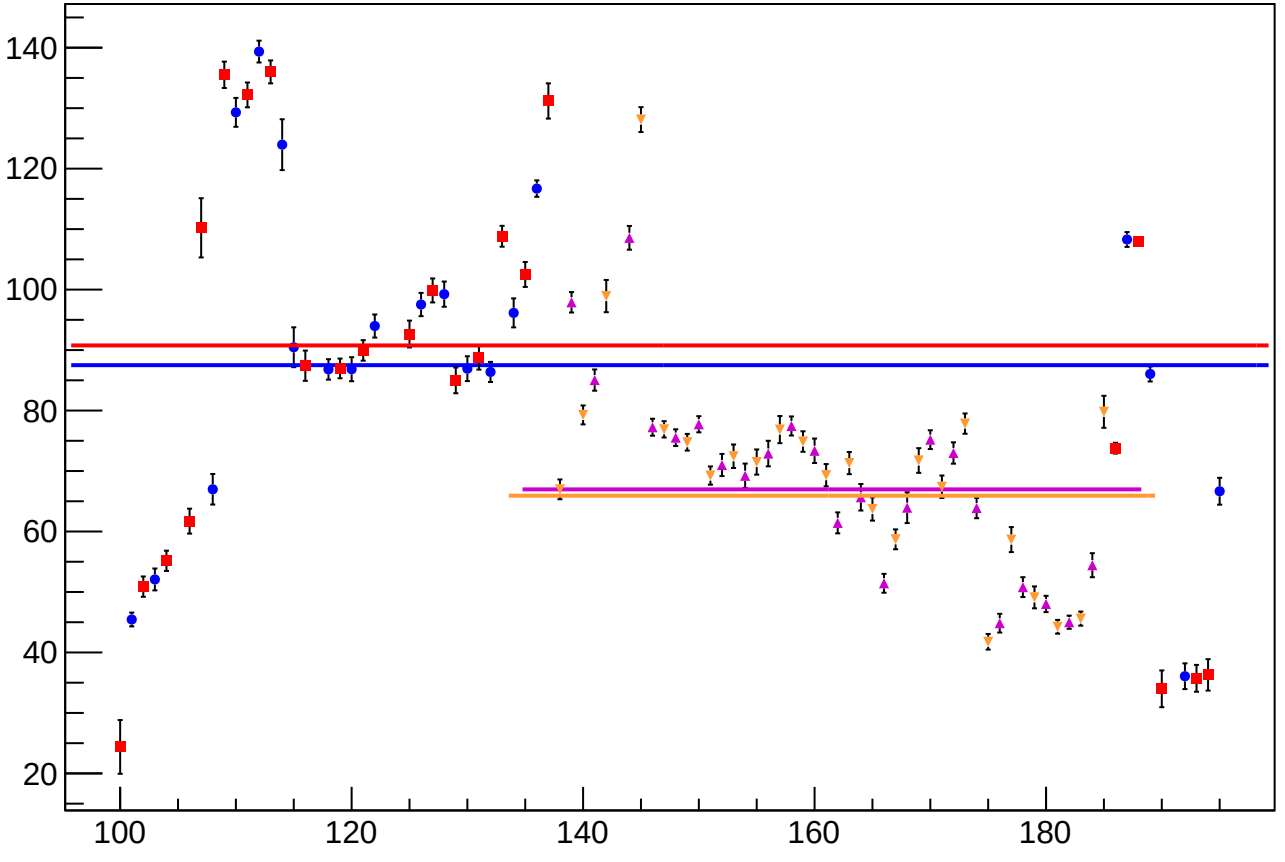
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.103+/-0.214 χ^2/NDF: 1429.0/43

All: 4.197+/-0.152 χ^2/NDF: 2607.7/89

- sign 4.292+/-0.214 χ^2/NDF: 1178.3/45

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: 90.770+/-0.348 χ^2/NDF: 5655.7/22

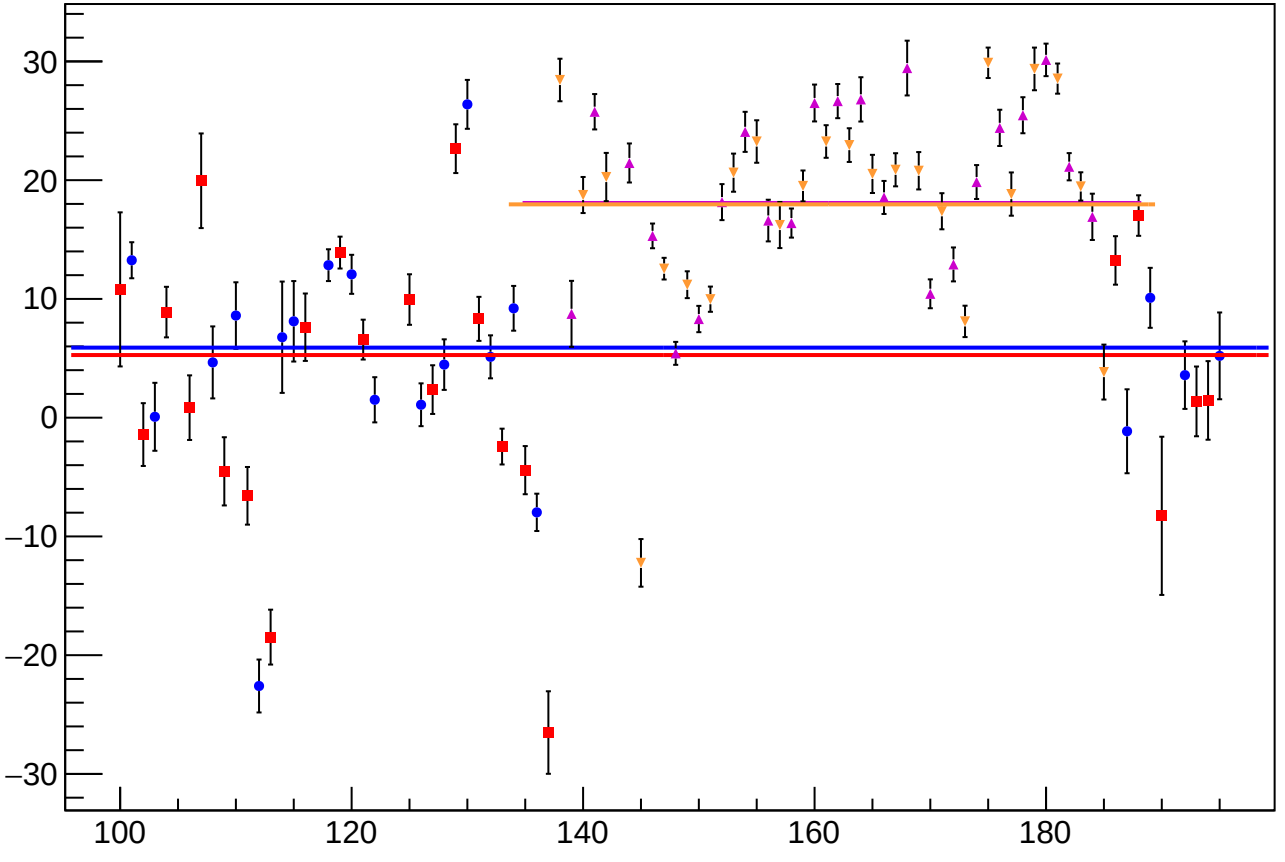
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.022+/-0.259 χ^2/NDF: 8772.8/43

All: 76.935+/-0.177 χ^2/NDF: 19137.5/89

- sign 78.628+/-0.244 χ^2/NDF: 10261.9/45

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: 5.274+/-0.463 χ^2/NDF: 493.6/22

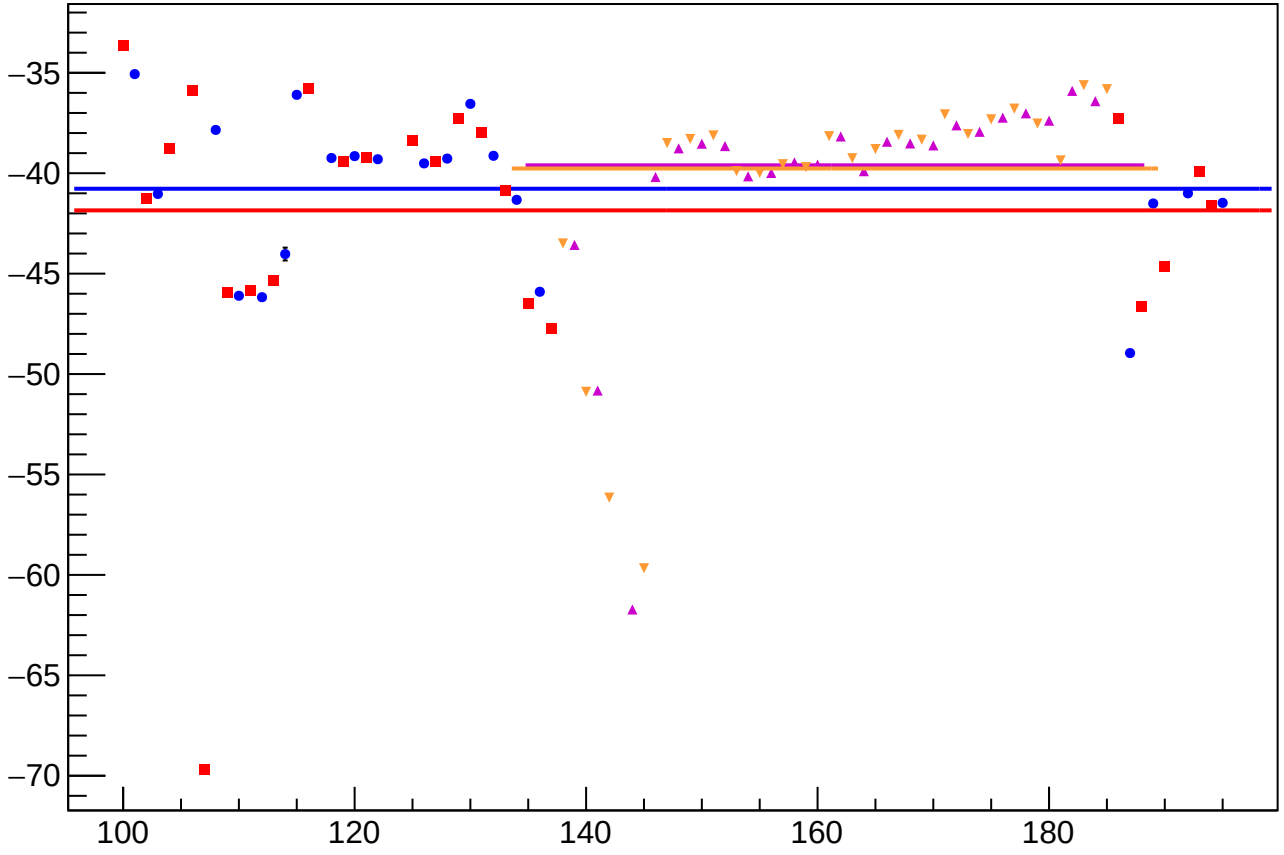
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.607+/-0.248 χ^2/NDF: 1641.4/43

All: 14.496+/-0.176 χ^2/NDF: 3284.6/89

- sign 14.385+/-0.249 χ^2/NDF: 1642.8/45

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: -41.850+/-0.025 χ^2/NDF: 41376.6/22

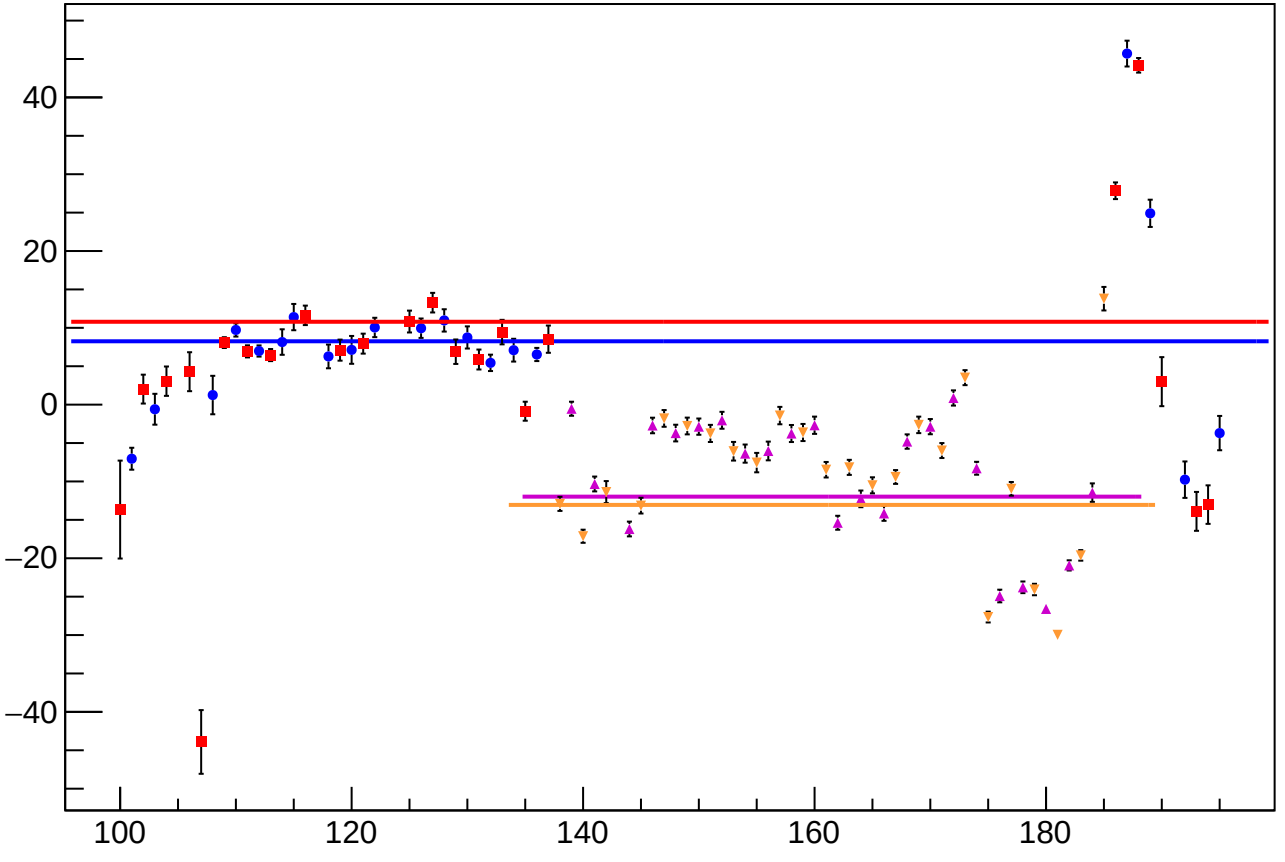
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.987+/-0.012 χ^2/NDF: 151163.1/43

All: -40.046+/-0.008 χ^2/NDF: 305469.6/89

- sign -40.104+/-0.012 χ^2/NDF: 154257.9/45

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: 10.790+/-0.271 χ^2/NDF: 2101.3/22

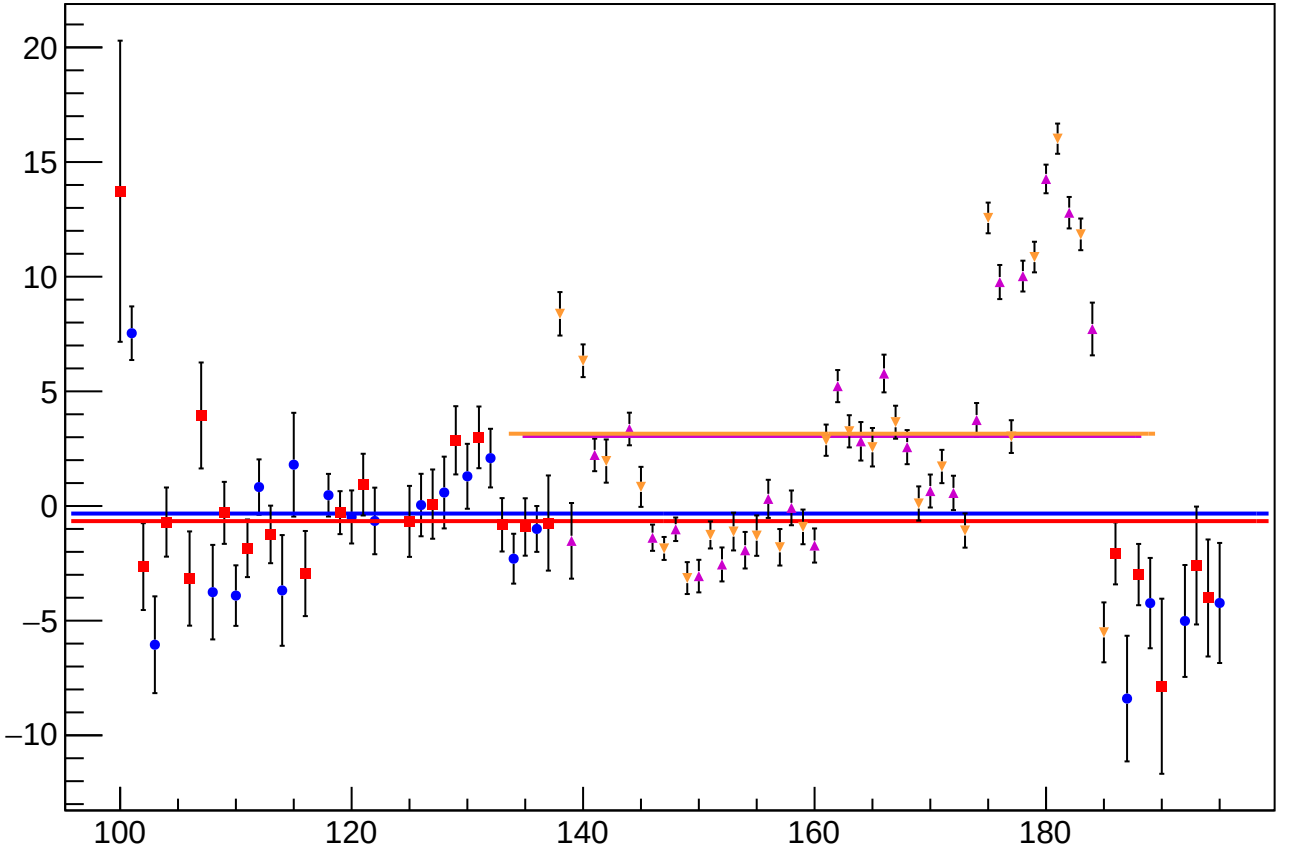
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.674+/-0.161 χ^2/NDF: 7368.7/43

All: -5.409+/-0.113 χ^2/NDF: 16409.5/89

\- sign -4.187+/-0.159 χ^2/NDF: 8920.0/45

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: -0.659+/-0.318 χ^2/NDF: 38.9/22

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.530+/-0.135 χ^2/NDF: 1577.5/43

All: 2.447+/-0.096 χ^2/NDF: 2873.4/89

- sign 2.363+/-0.137 χ^2/NDF: 1295.1/45

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: -72.549+/-0.299 χ^2/NDF: 3084.0/22

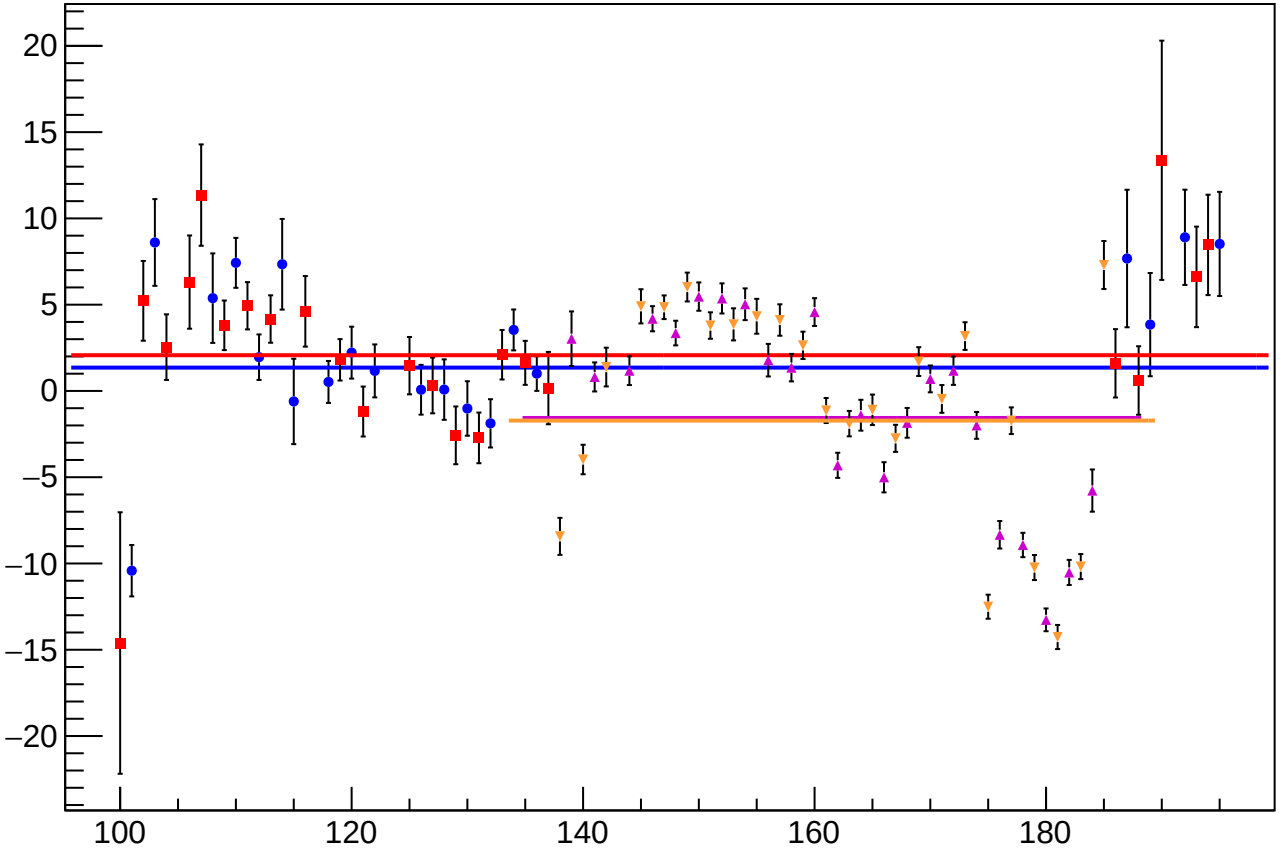
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.195+/-0.165 χ^2/NDF: 7828.5/43

All: -53.703+/-0.116 χ^2/NDF: 18455.1/89

- sign -55.165+/-0.163 χ^2/NDF: 10462.3/45

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: 2.071+/-0.369 χ^2/NDF: 65.2/22

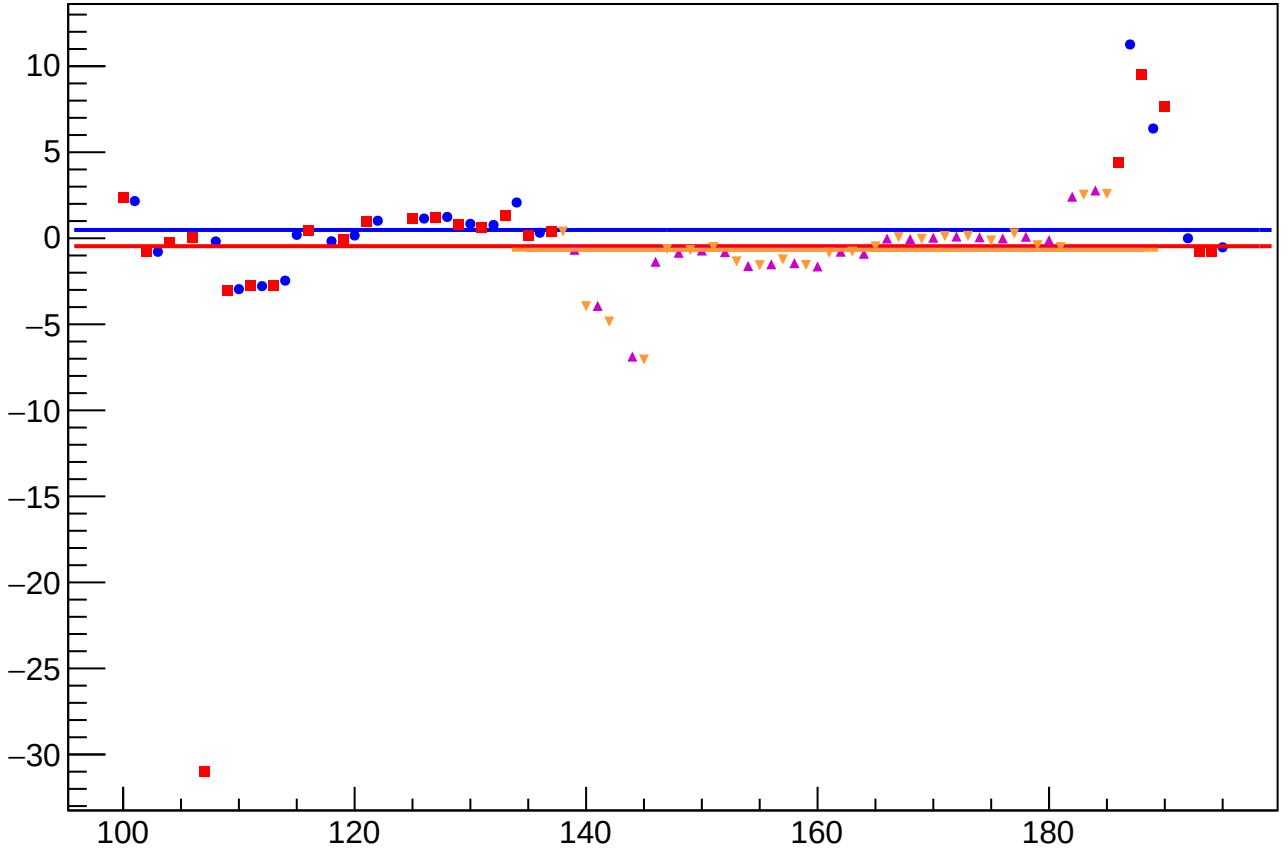
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.183+/-0.152 χ^2/NDF: 1590.9/43

All: -1.056+/-0.109 χ^2/NDF: 2855.3/89

- sign -0.925+/-0.155 χ^2/NDF: 1263.0/45

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: -0.459+/-0.020 χ^2/NDF: 59938.2/22

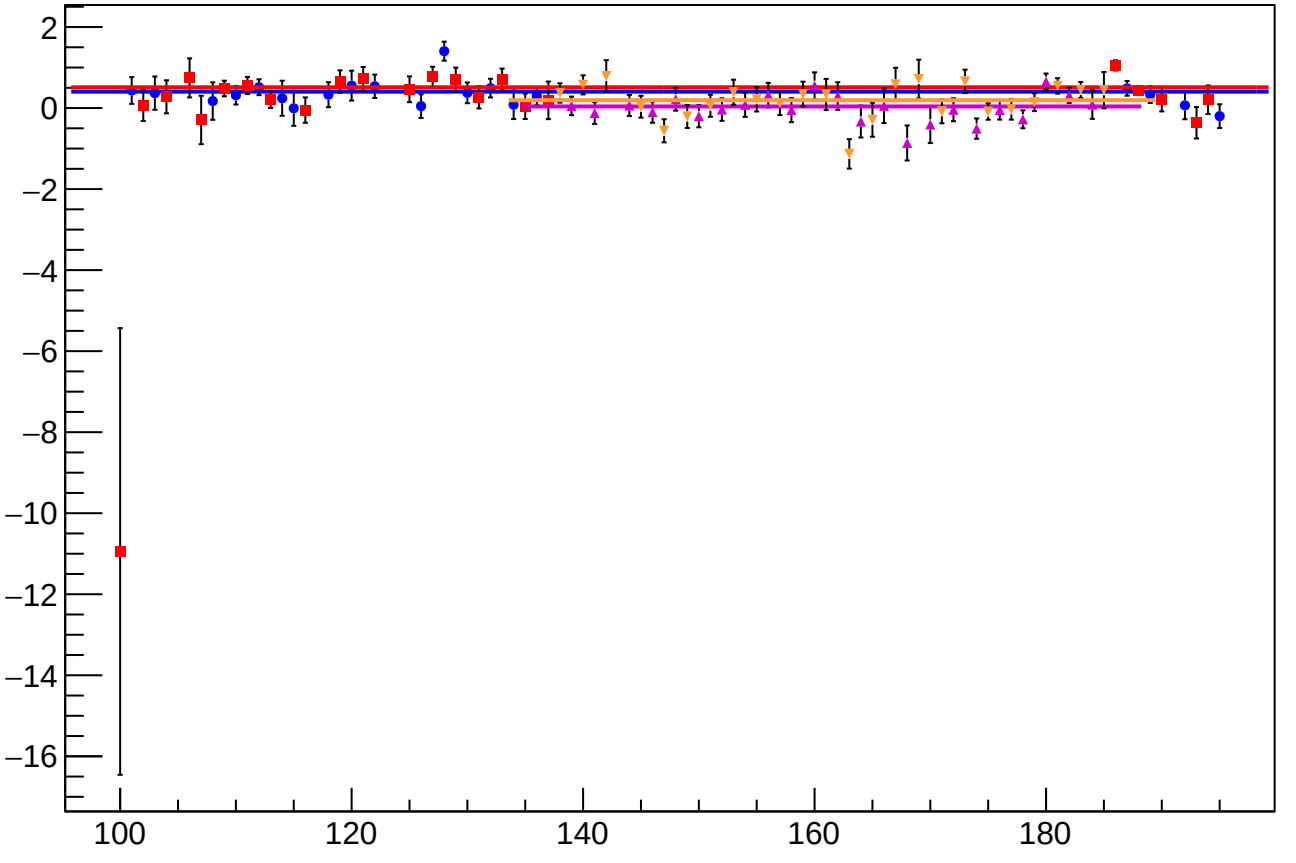
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67808.5/43

All: -0.571+/-0.005 χ^2/NDF: 173500.3/89

- sign -0.623+/-0.007 χ^2/NDF: 105582.9/45

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: 0.512+/-0.051 χ^2/NDF: 45.4/22

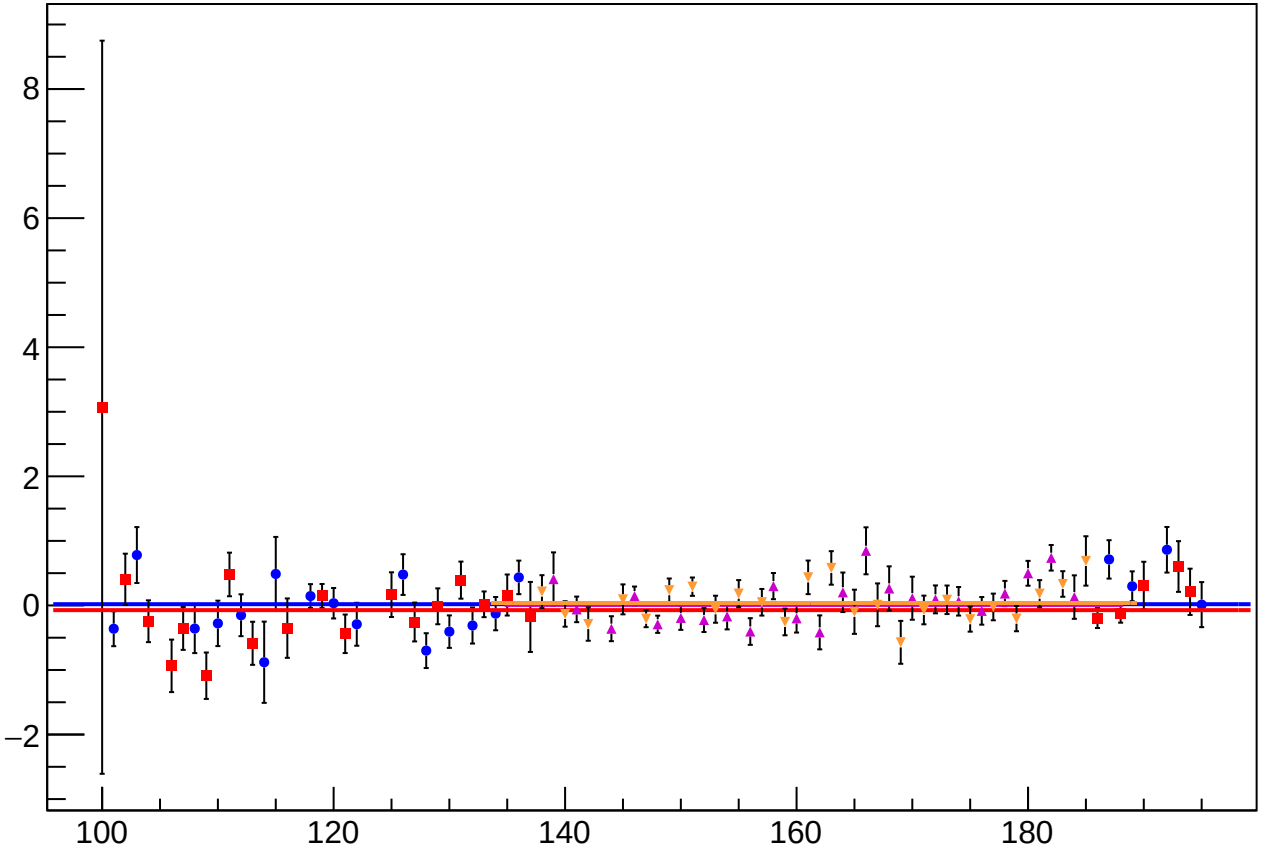
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.292+/-0.041 χ^2/NDF: 79.3/43

All: 0.299+/-0.028 χ^2/NDF: 193.1/89

- sign 0.305+/-0.038 χ^2/NDF: 113.7/45

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: -0.073+/-0.058 χ^2/NDF: 33.3/22

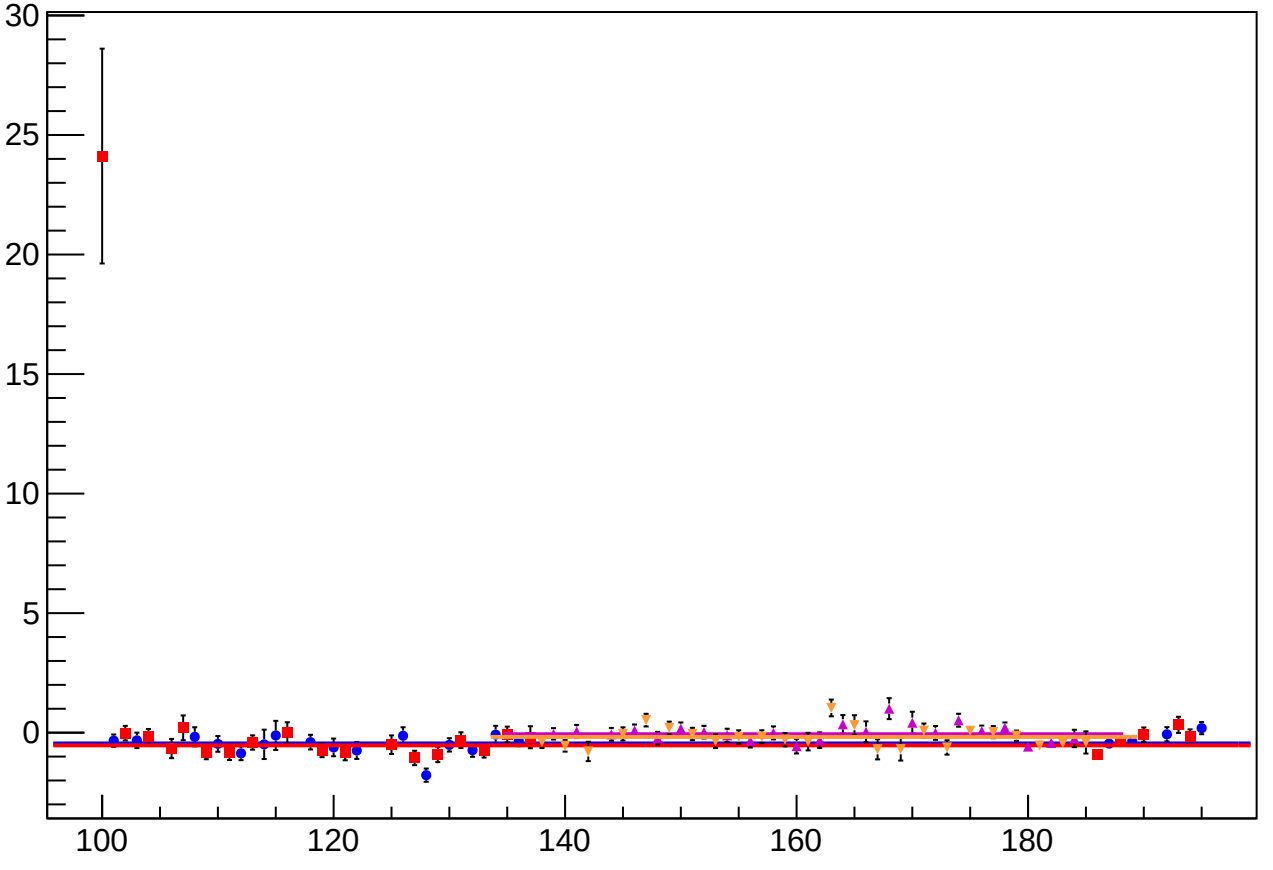
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.032+/-0.036 χ^2/NDF: 72.9/43

All: 0.005+/-0.025 χ^2/NDF: 159.9/89

- sign -0.021+/-0.035 χ^2/NDF: 85.9/45

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: -0.529+/-0.049 χ^2/NDF: 75.0/22

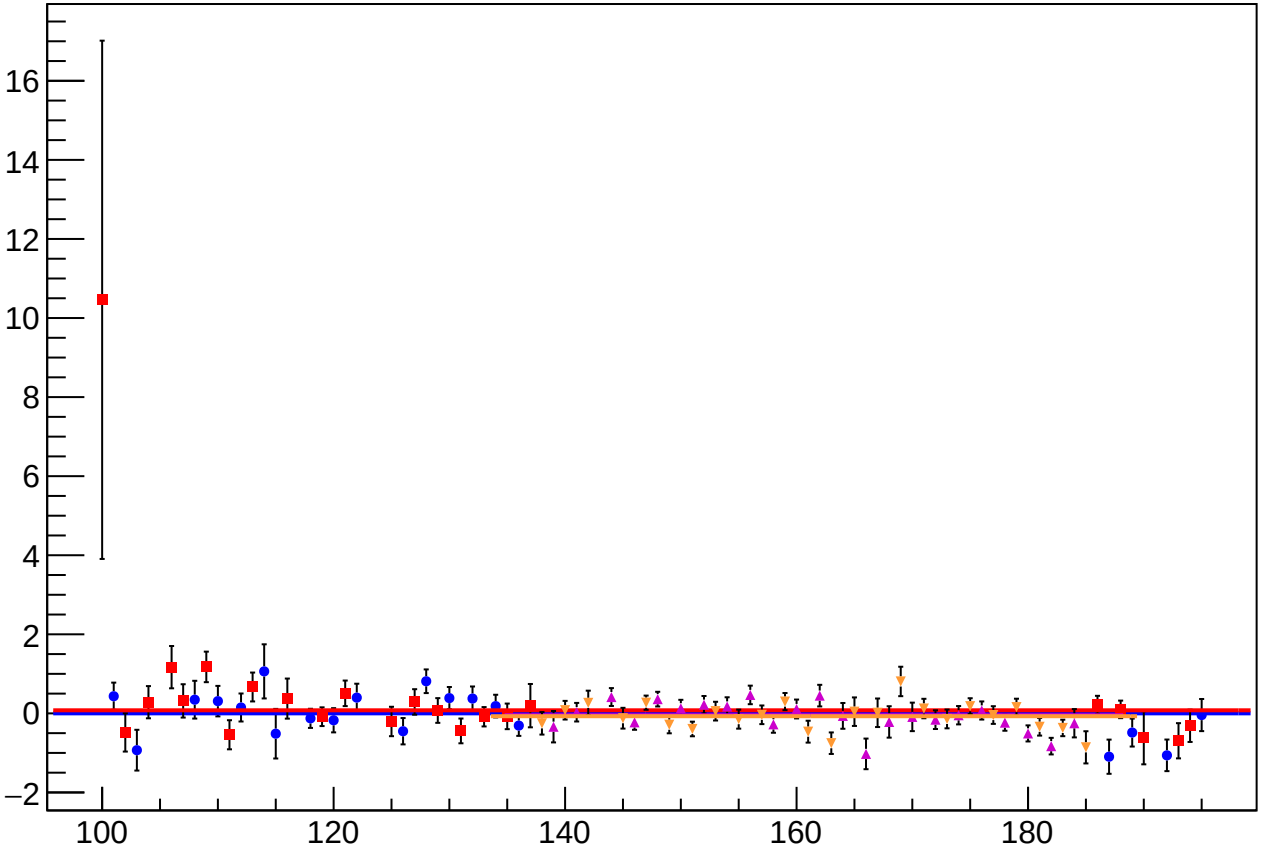
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.302+/-0.042 χ^2/NDF: 91.2/43

All: -0.320+/-0.028 χ^2/NDF: 236.4/89

- sign -0.334+/-0.037 χ^2/NDF: 144.8/45

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: 0.078+/-0.072 χ^2/NDF: 34.5/22

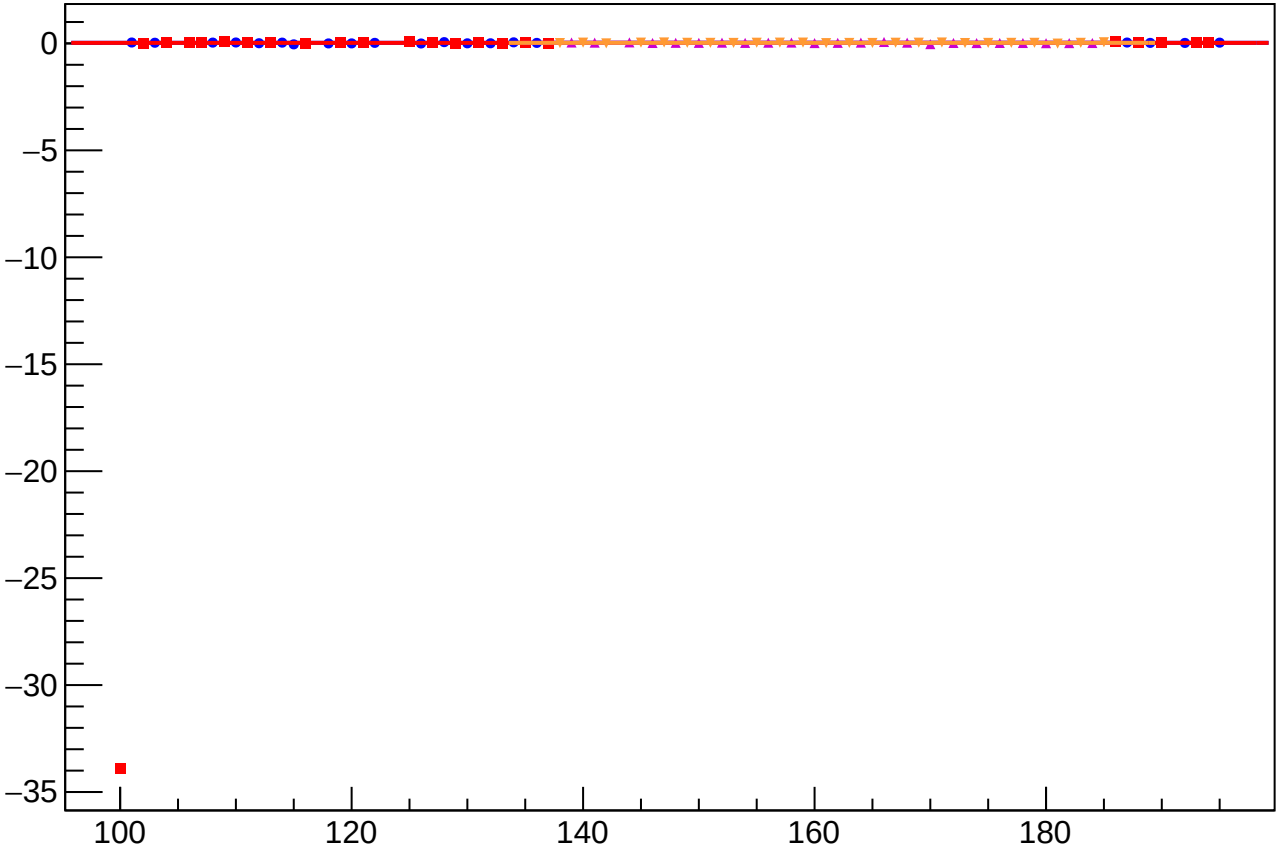
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.051+/-0.042 χ^2/NDF: 79.3/43

All: -0.028+/-0.029 χ^2/NDF: 166.9/89

- sign -0.006+/-0.041 χ^2/NDF: 87.0/45

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: 22304.2/22

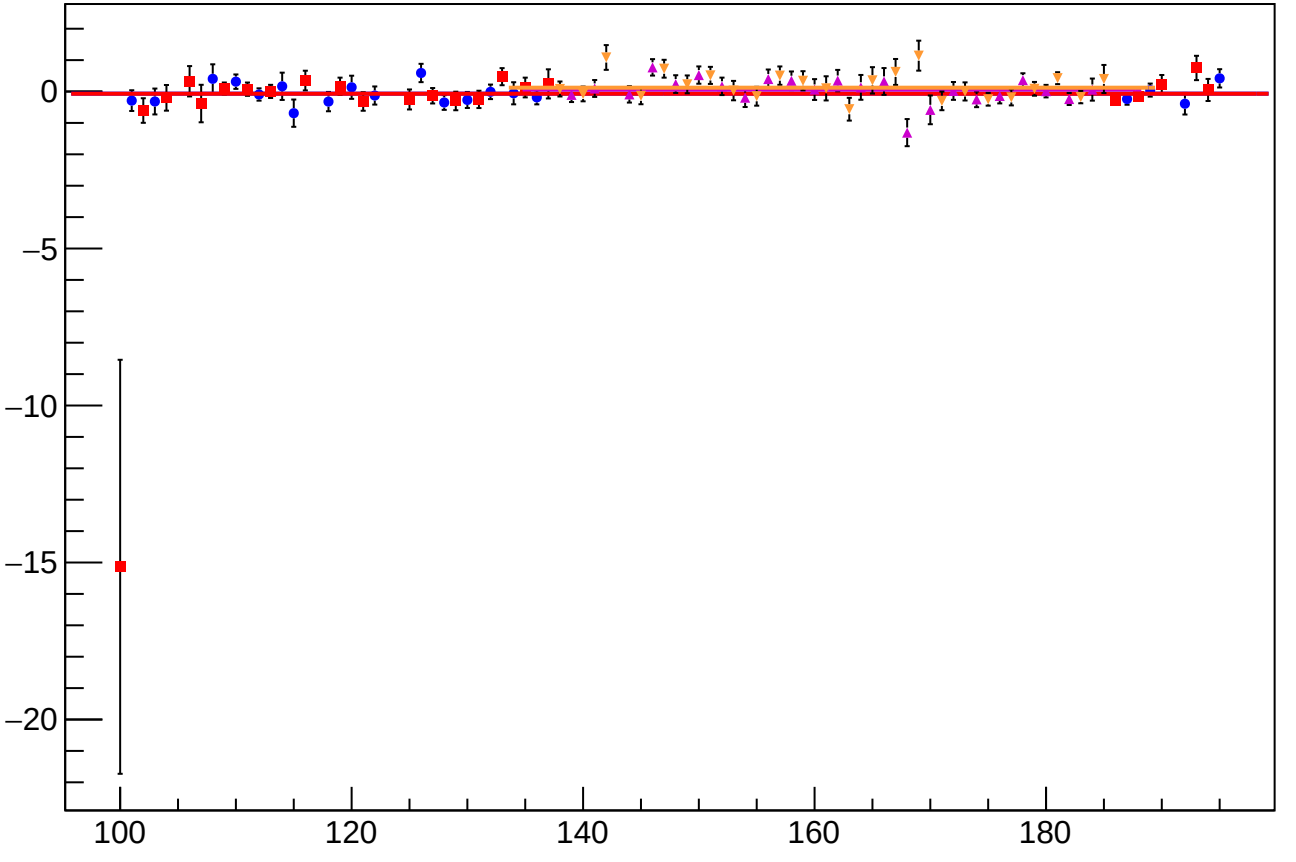
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 47.1/43

All: 0.026+/-0.001 χ^2/NDF: 22391.0/89

- sign 0.026+/-0.002 χ^2/NDF: 22343.9/45

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+/-0.051 χ^2/NDF: 28.5/22

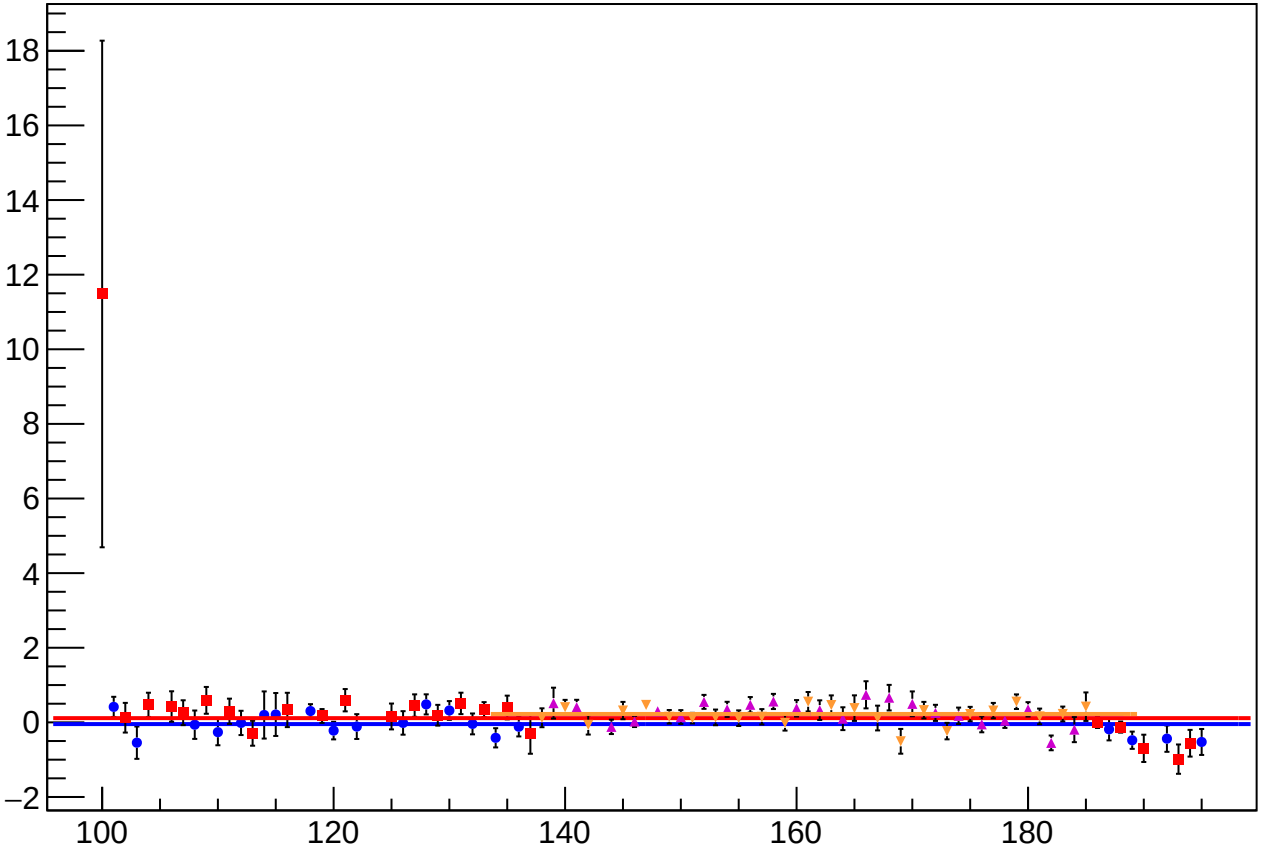
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.033+/-0.041 χ^2/NDF: 65.2/43

All: 0.009+/-0.028 χ^2/NDF: 131.6/89

- sign -0.012+/-0.038 χ^2/NDF: 65.8/45

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: 0.113+/-0.058 χ^2/NDF: 36.5/22

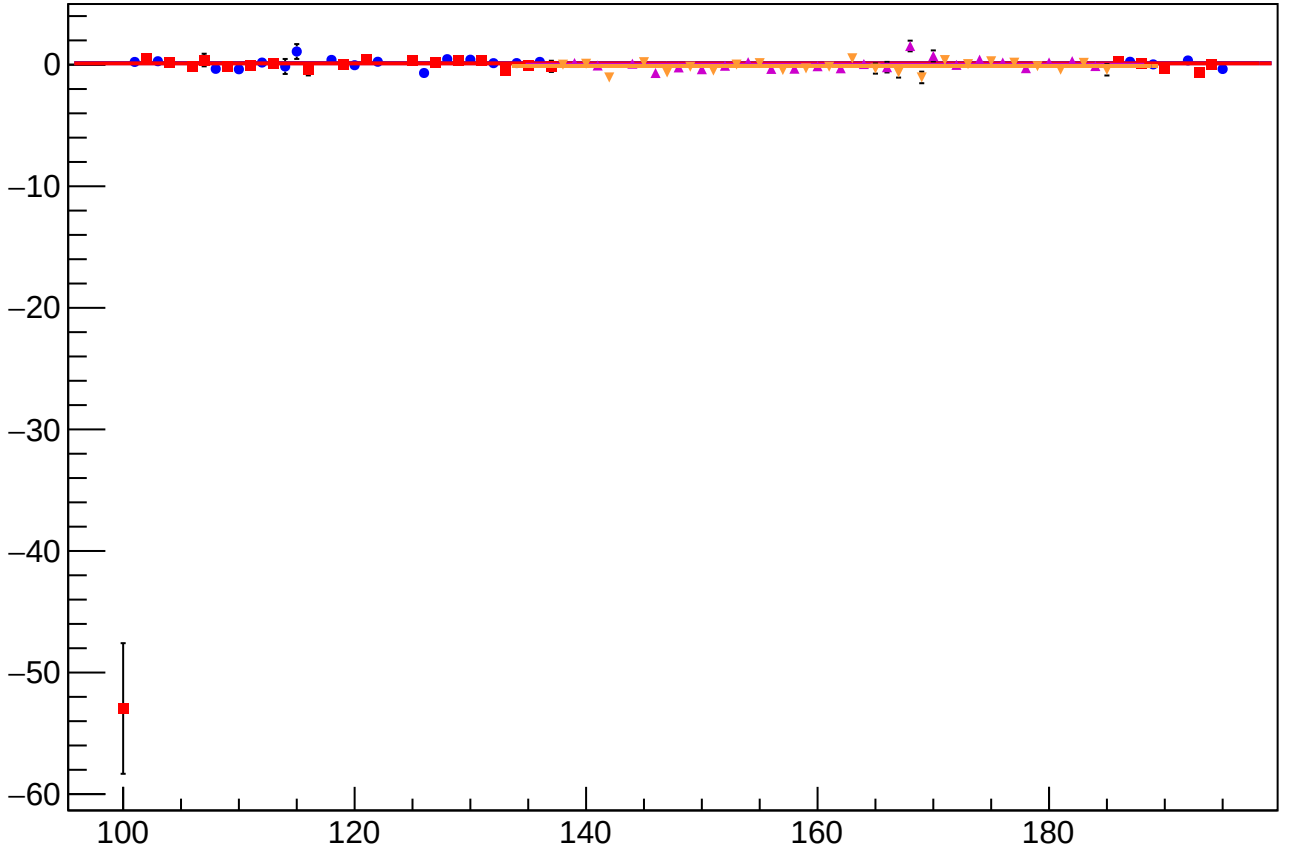
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.143+/-0.036 χ^2/NDF: 60.1/43

All: 0.163+/-0.025 χ^2/NDF: 138.7/89

- sign 0.182+/-0.035 χ^2/NDF: 78.0/45

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+/-0.049 χ^2/NDF: 118.4/22

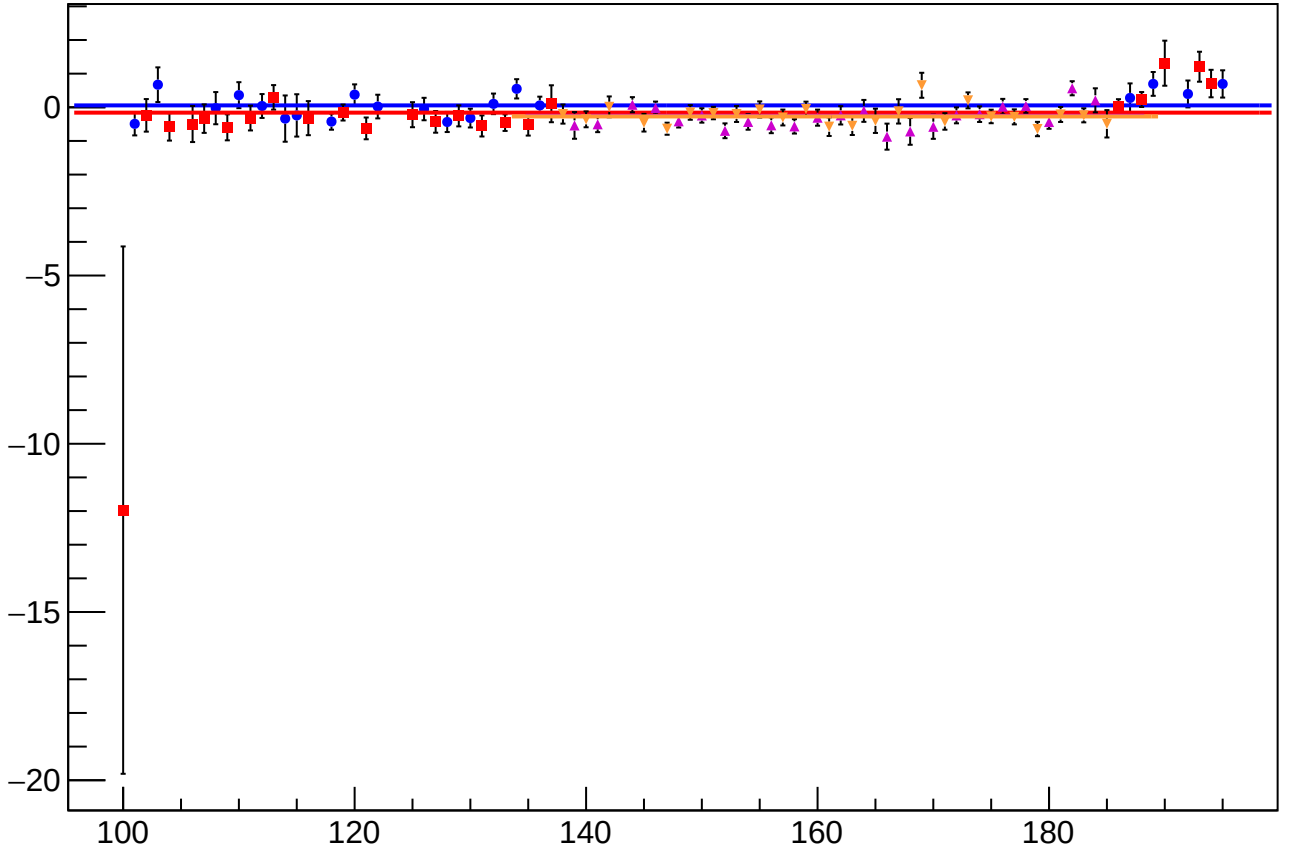
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.002+/-0.042 χ^2/NDF: 66.3/43

All: 0.034+/-0.028 χ^2/NDF: 226.3/89

- sign 0.060+/-0.037 χ^2/NDF: 158.9/45

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: -0.159+/-0.072 χ^2/NDF: 36.8/22

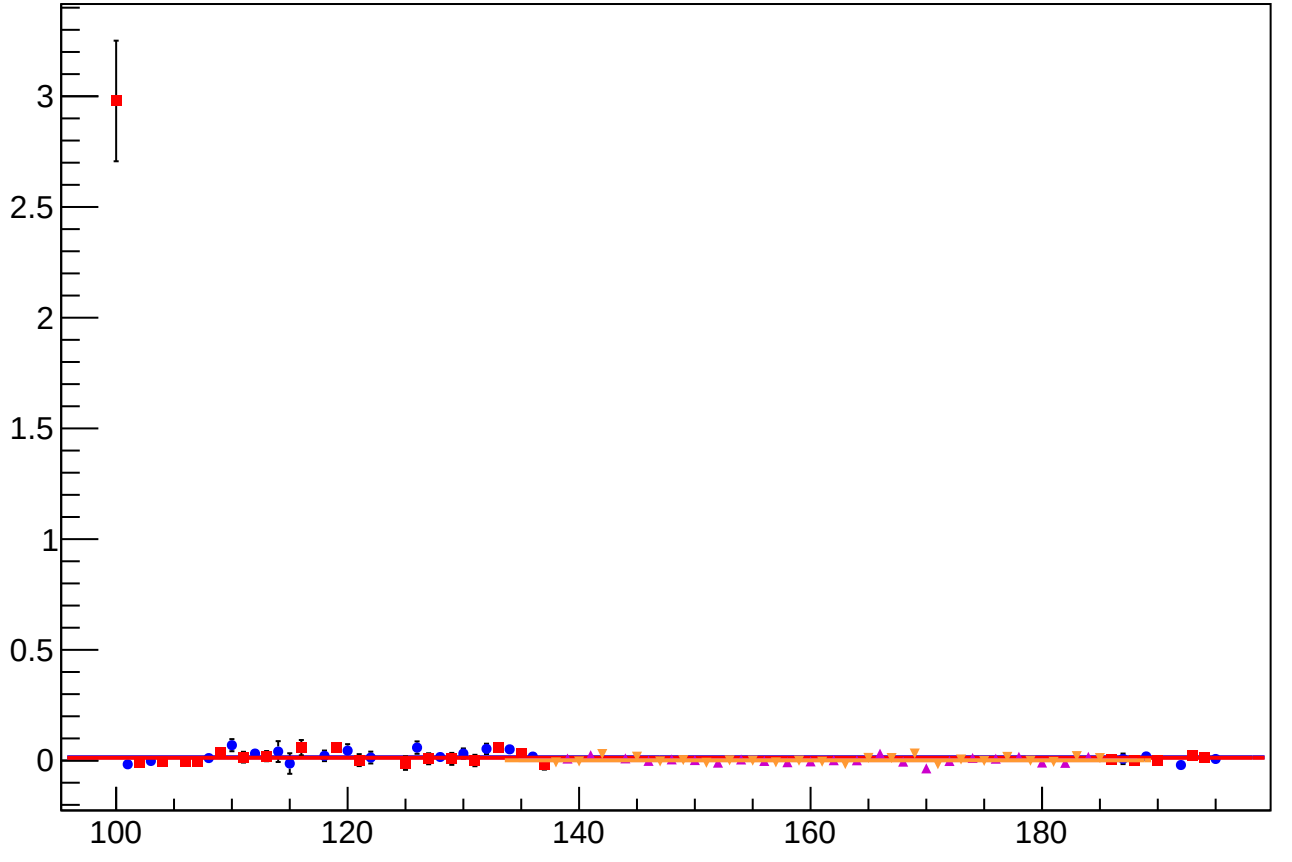
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.177+/-0.042 χ^2/NDF: 62.2/43

All: -0.200+/-0.029 χ^2/NDF: 141.5/89

- sign -0.223+/-0.041 χ^2/NDF: 78.6/45

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: 143.2/22

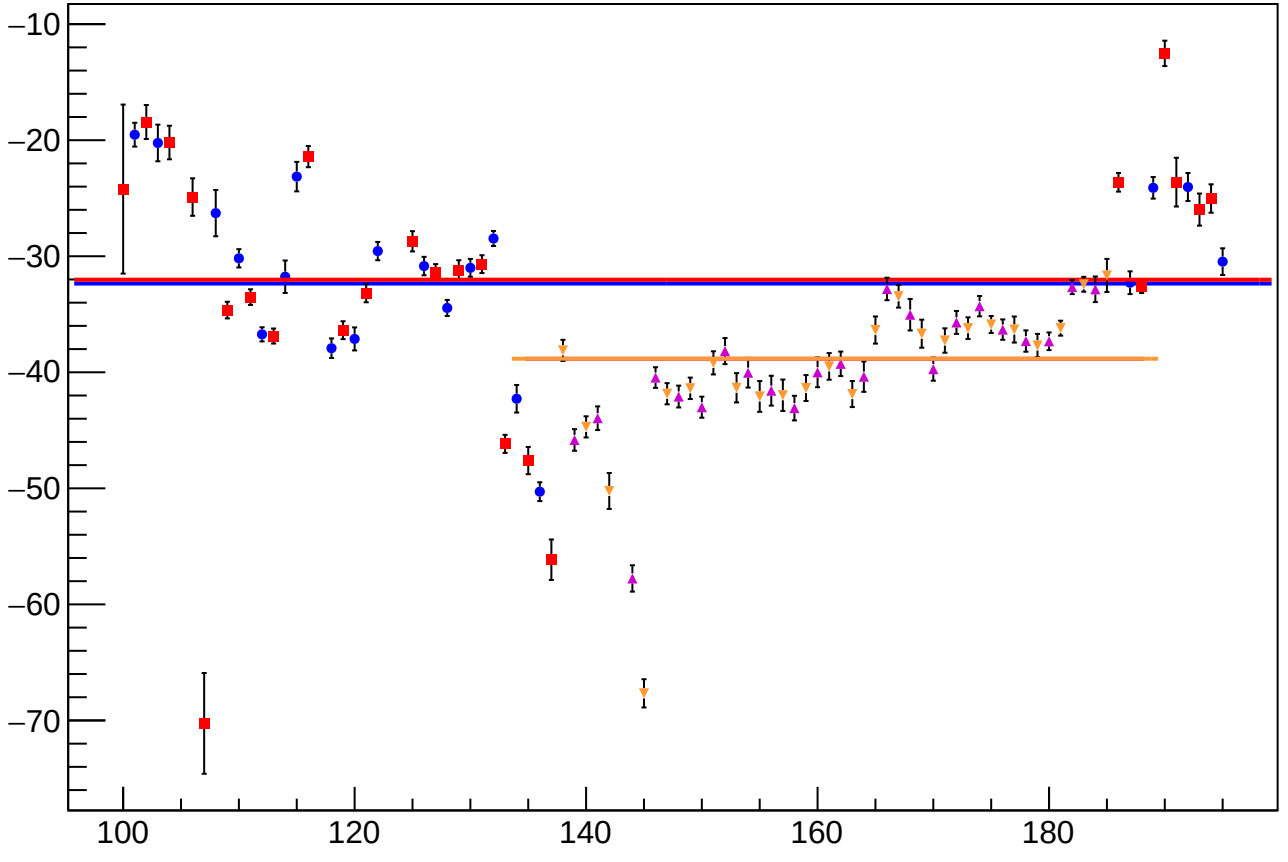
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 68.2/43

All: 0.005+/-0.001 χ^2/NDF: 241.4/89

- sign 0.005+/-0.002 χ^2/NDF: 173.2/45

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: -32.019+/-0.186 χ^2/NDF: 1707.5/23

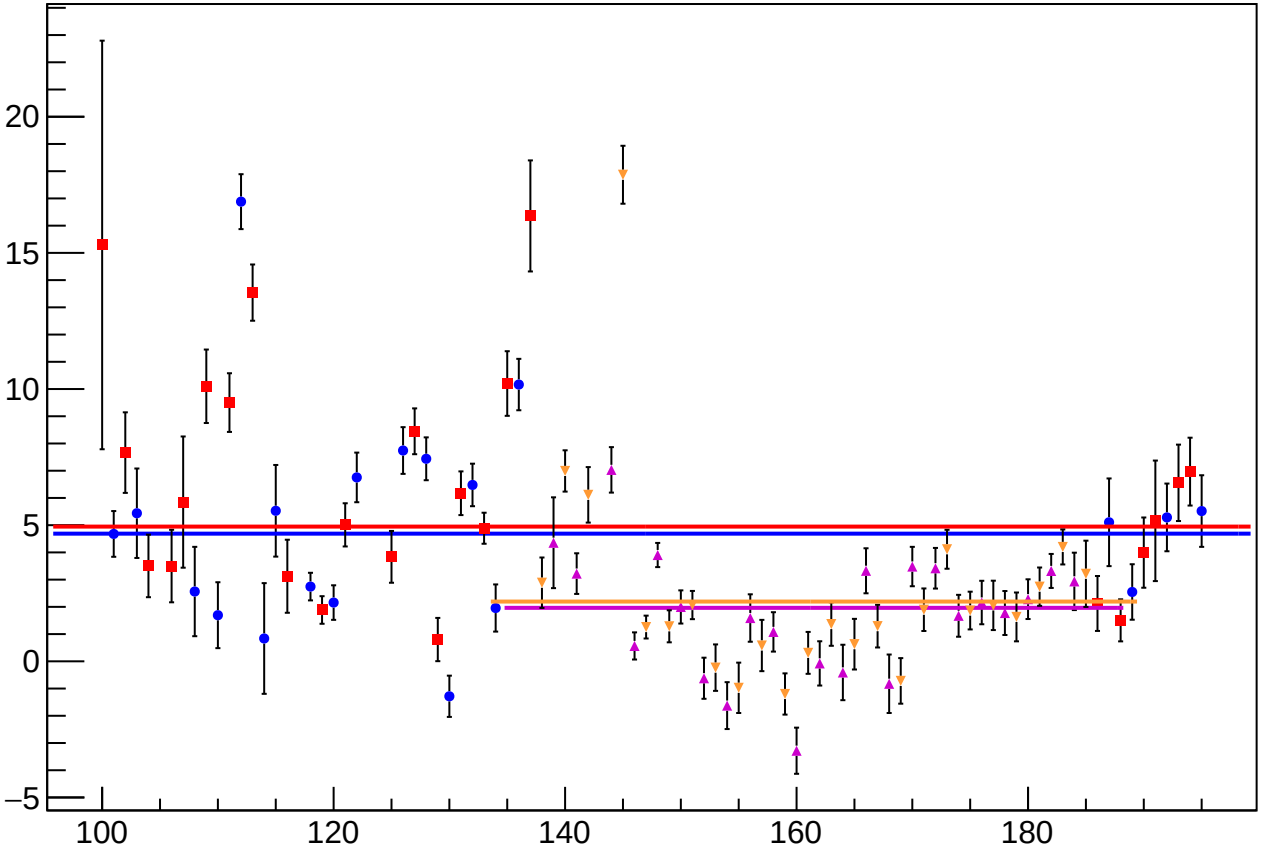
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.578+/-0.143 χ^2/NDF: 2588.8/43

All: -35.347+/-0.099 χ^2/NDF: 5565.4/90

\- sign -35.132+/-0.137 χ^2/NDF: 2971.6/46

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: 4.948+/-0.201 χ^2/NDF: 279.6/23

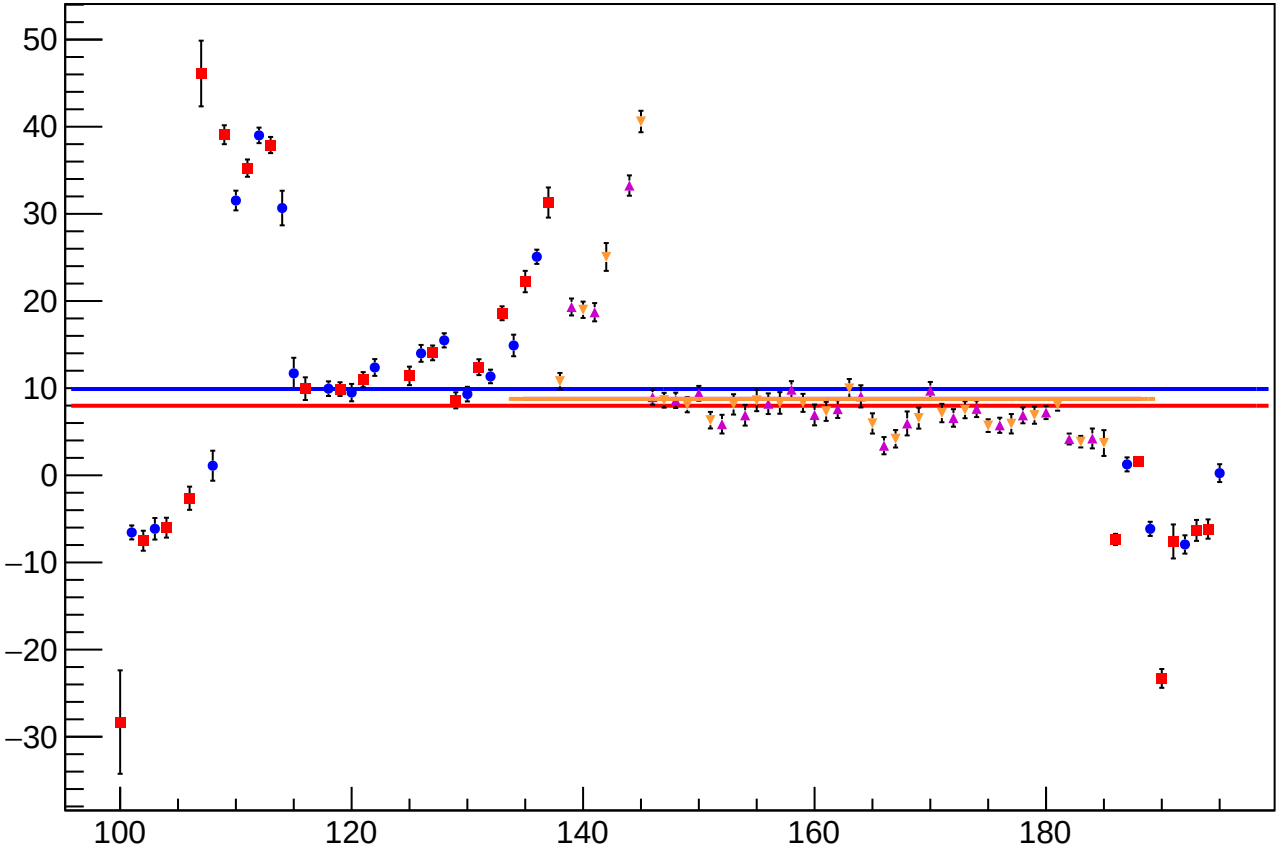
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

\+ sign 3.071+/-0.123 χ^2/NDF: 794.2/43

All: 3.071+/-0.087 χ^2/NDF: 1385.1/90

\- sign 3.072+/-0.123 χ^2/NDF: 590.9/46

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: 7.981+/-0.196 χ^2/NDF: 5738.5/23

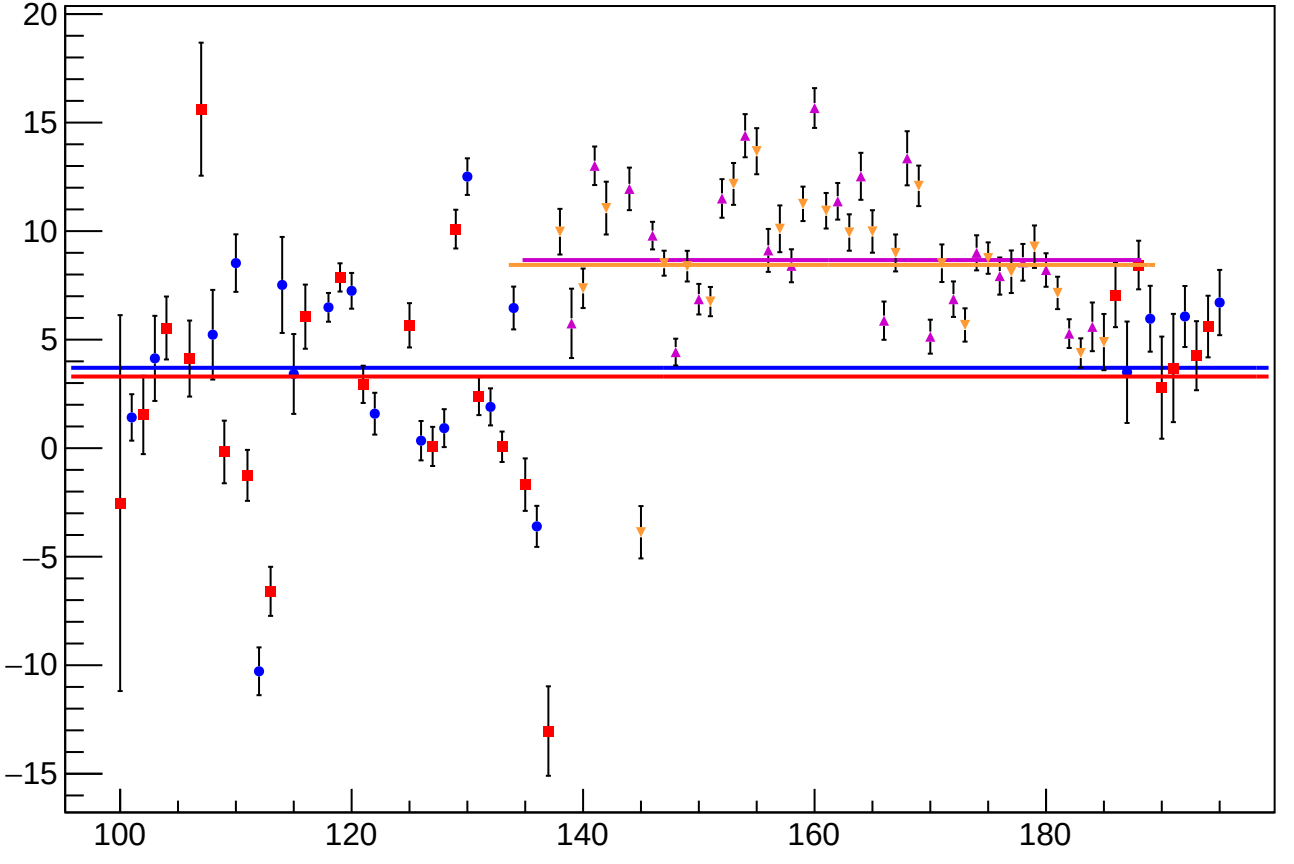
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.290+/-0.147 χ^2/NDF: 4524.4/43

All: 8.807+/-0.102 χ^2/NDF: 11086.6/90

- sign 8.366+/-0.140 χ^2/NDF: 6541.5/46

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: 3.300+/-0.238 χ^2/NDF: 379.4/23

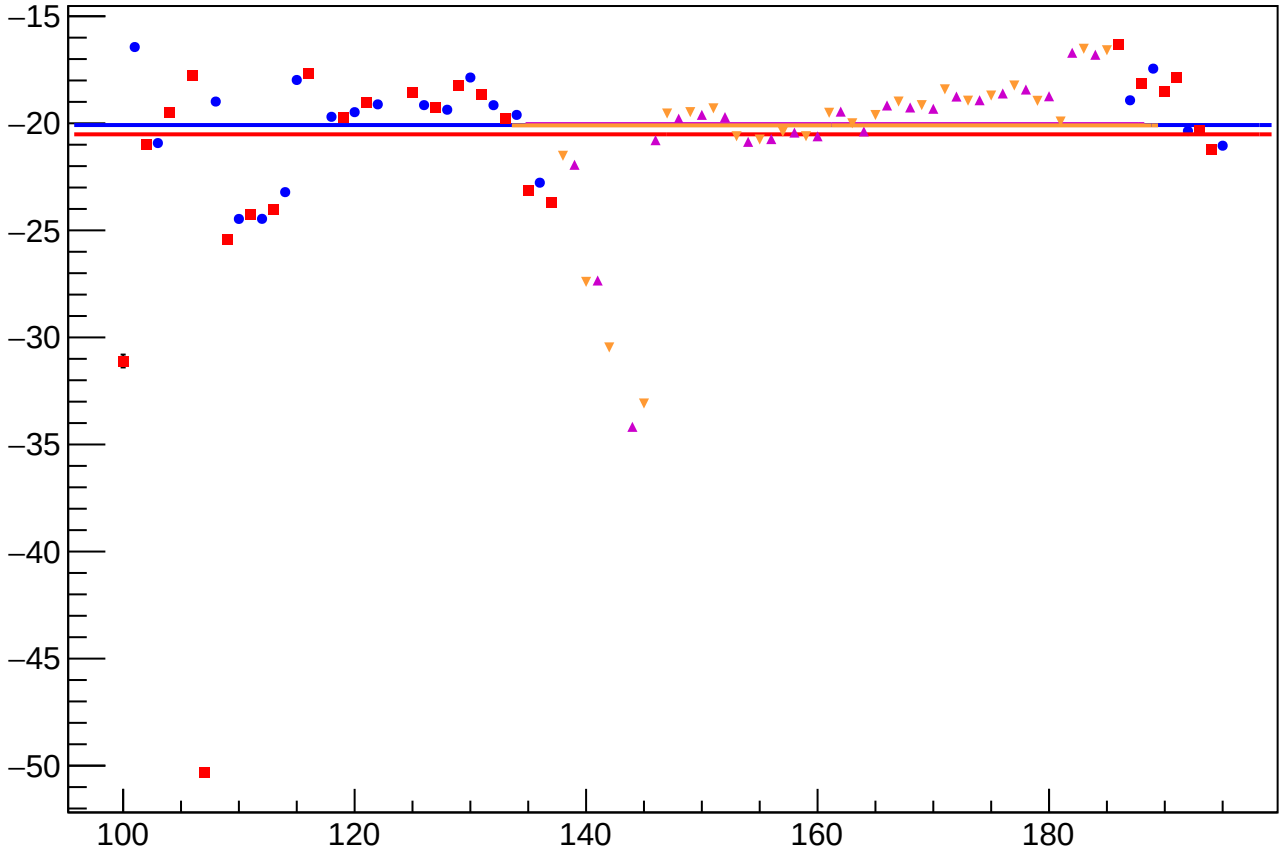
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.831+/-0.141 χ^2/NDF: 955.3/43

All: 6.804+/-0.100 χ^2/NDF: 1967.9/90

\- sign 6.778+/-0.141 χ^2/NDF: 1012.5/46

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: -20.515+/-0.013 χ^2/NDF: 64854.3/23

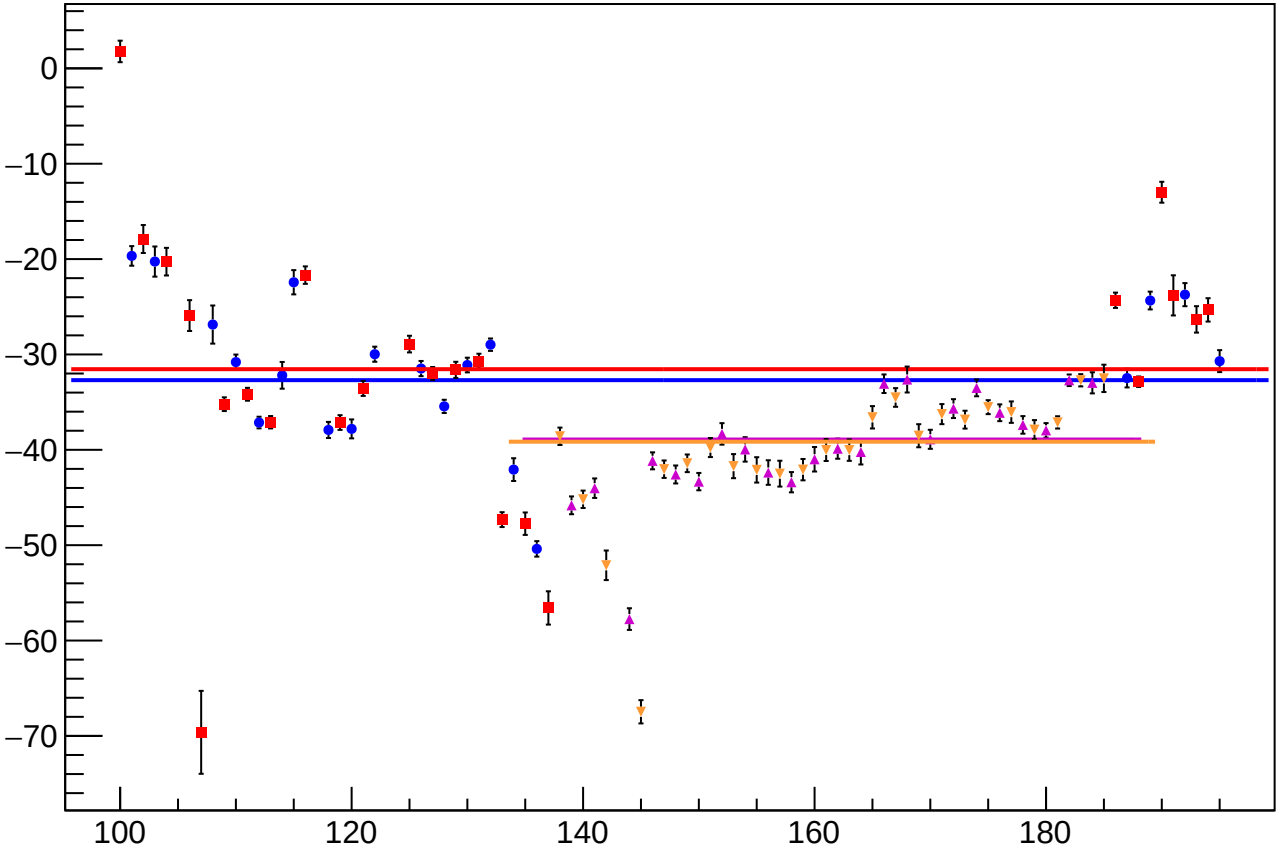
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.092+/-0.007 χ^2/NDF: 181735.7/43

All: -20.127+/-0.005 χ^2/NDF: 379875.9/90

- sign -20.161+/-0.007 χ^2/NDF: 198090.4/46

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: -31.545+/-0.184 χ^2/NDF: 2640.0/23

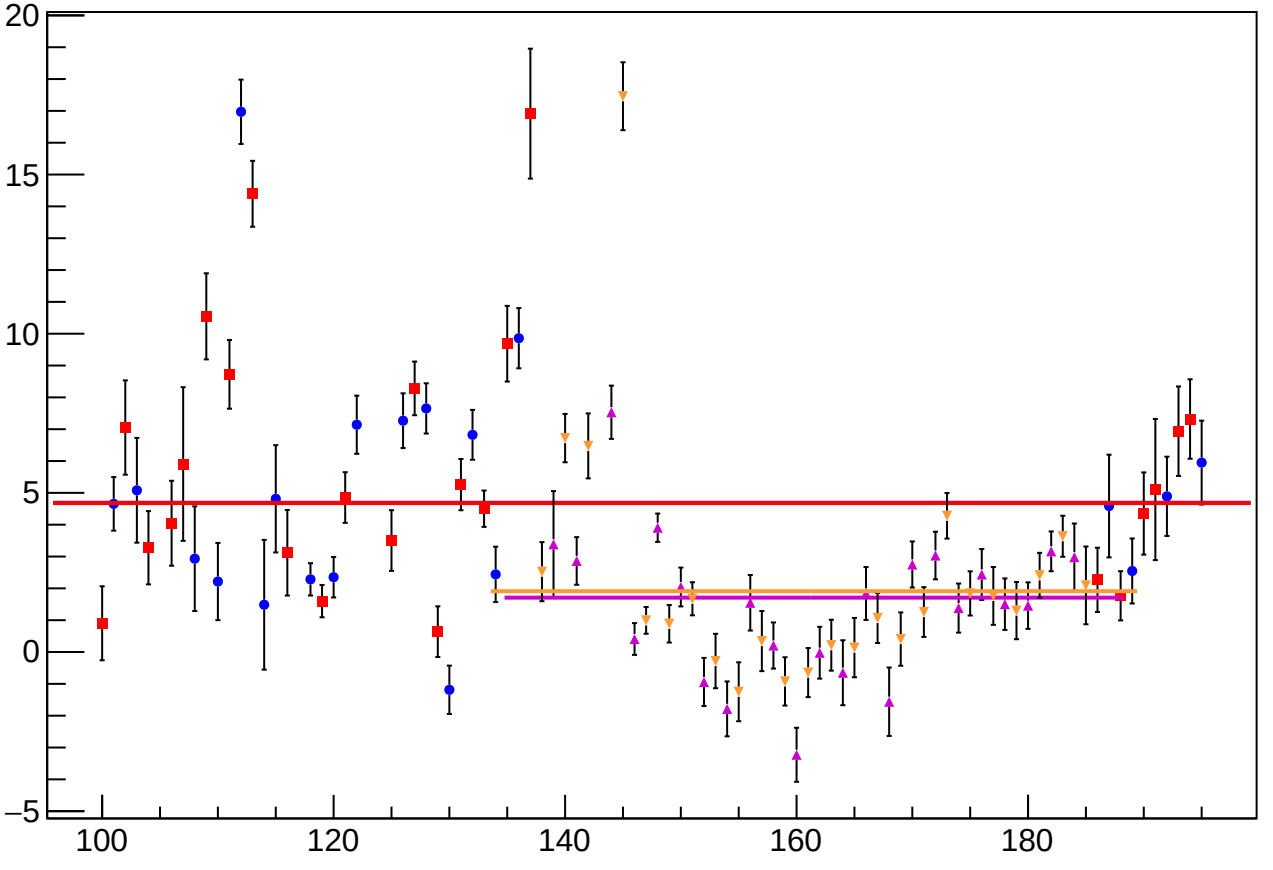
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.909+/-0.143 χ^2/NDF: 2570.1/43

All: -35.364+/-0.099 χ^2/NDF: 6643.1/90

- sign -34.864+/-0.137 χ^2/NDF: 4045.1/46

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: 4.680+/-0.199 χ^2/NDF: 301.1/23

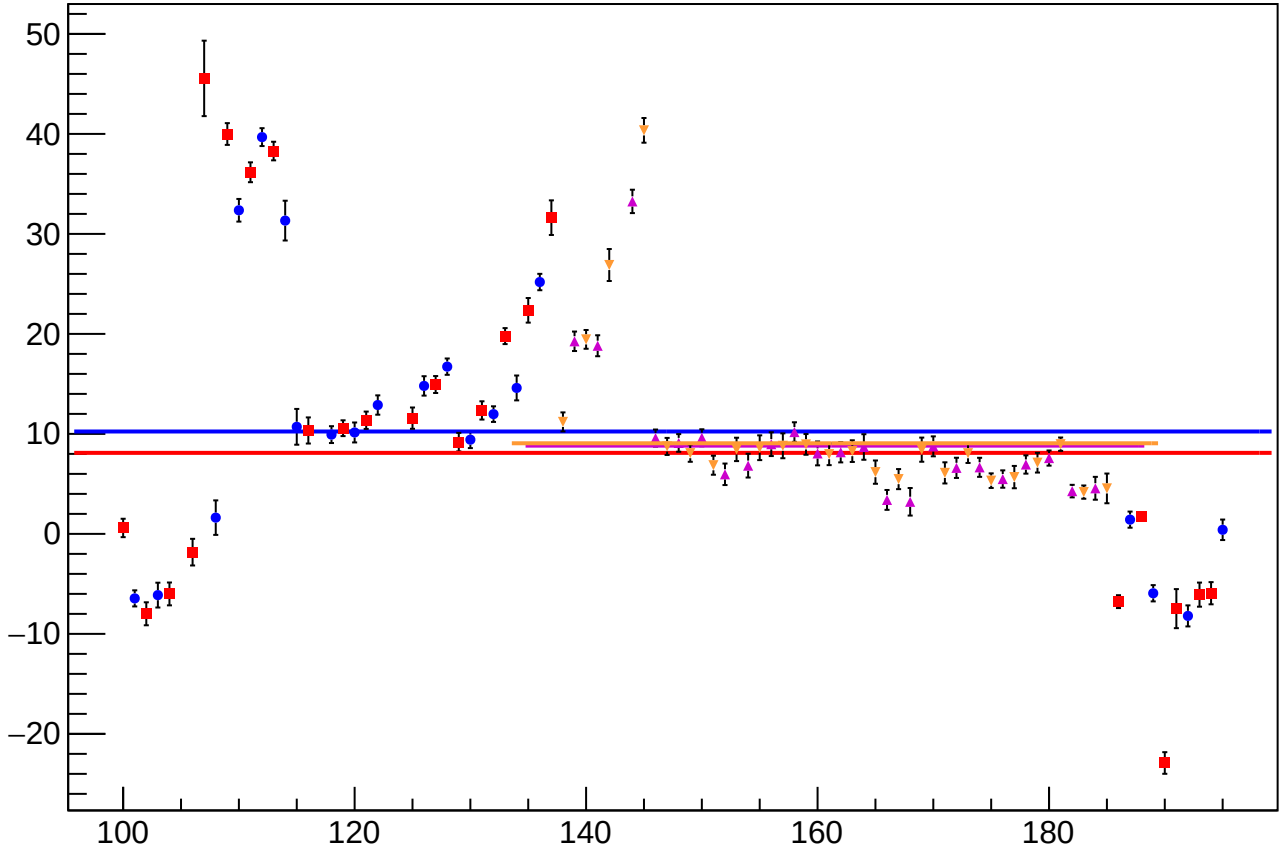
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.886+/-0.123 χ^2/NDF: 807.0/43

All: 2.859+/-0.087 χ^2/NDF: 1429.7/90

- sign 2.832+/-0.122 χ^2/NDF: 622.6/46

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: 8.102+/-0.192 χ^2/NDF: 5860.1/23

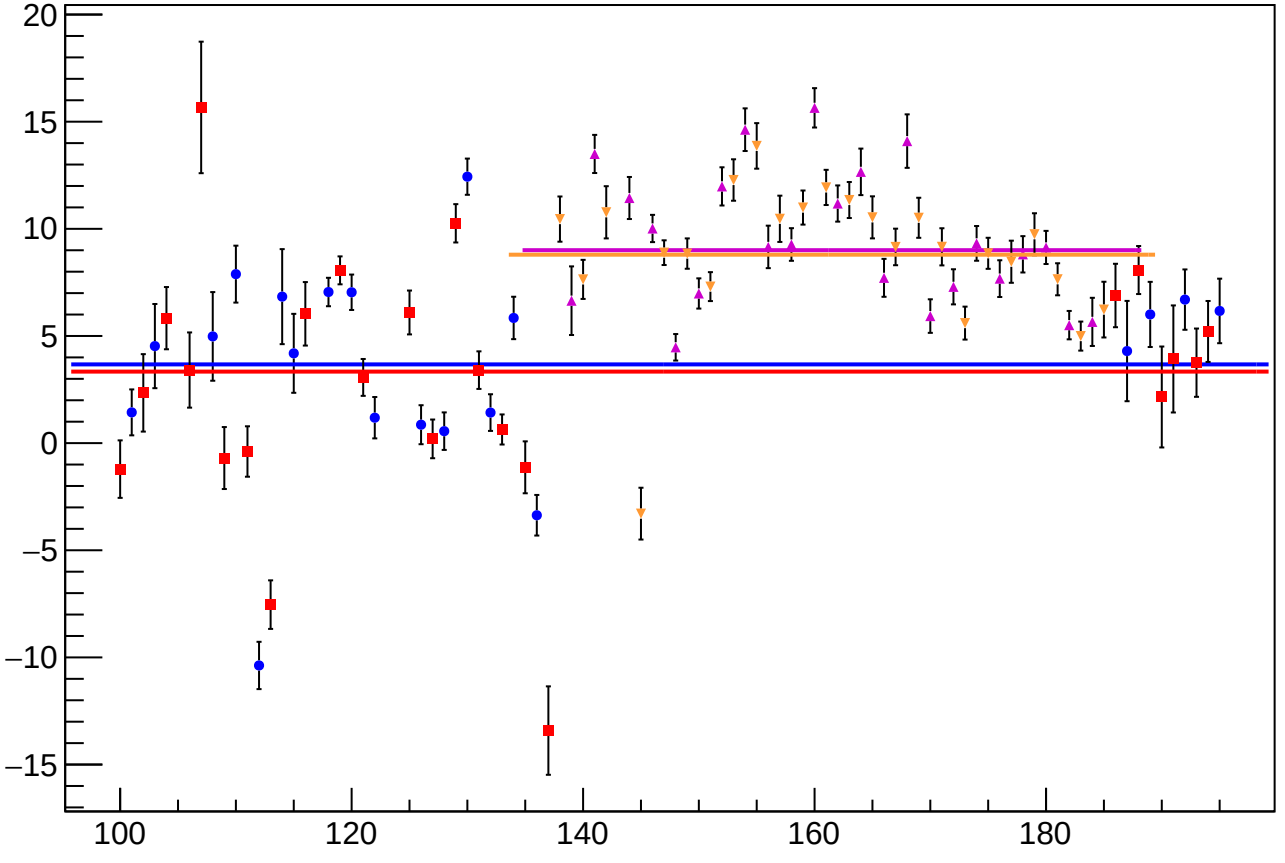
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.606+/-0.147 χ^2/NDF: 4614.9/43

All: 8.992+/-0.101 χ^2/NDF: 11315.9/90

- sign 8.446+/-0.139 χ^2/NDF: 6668.2/46

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

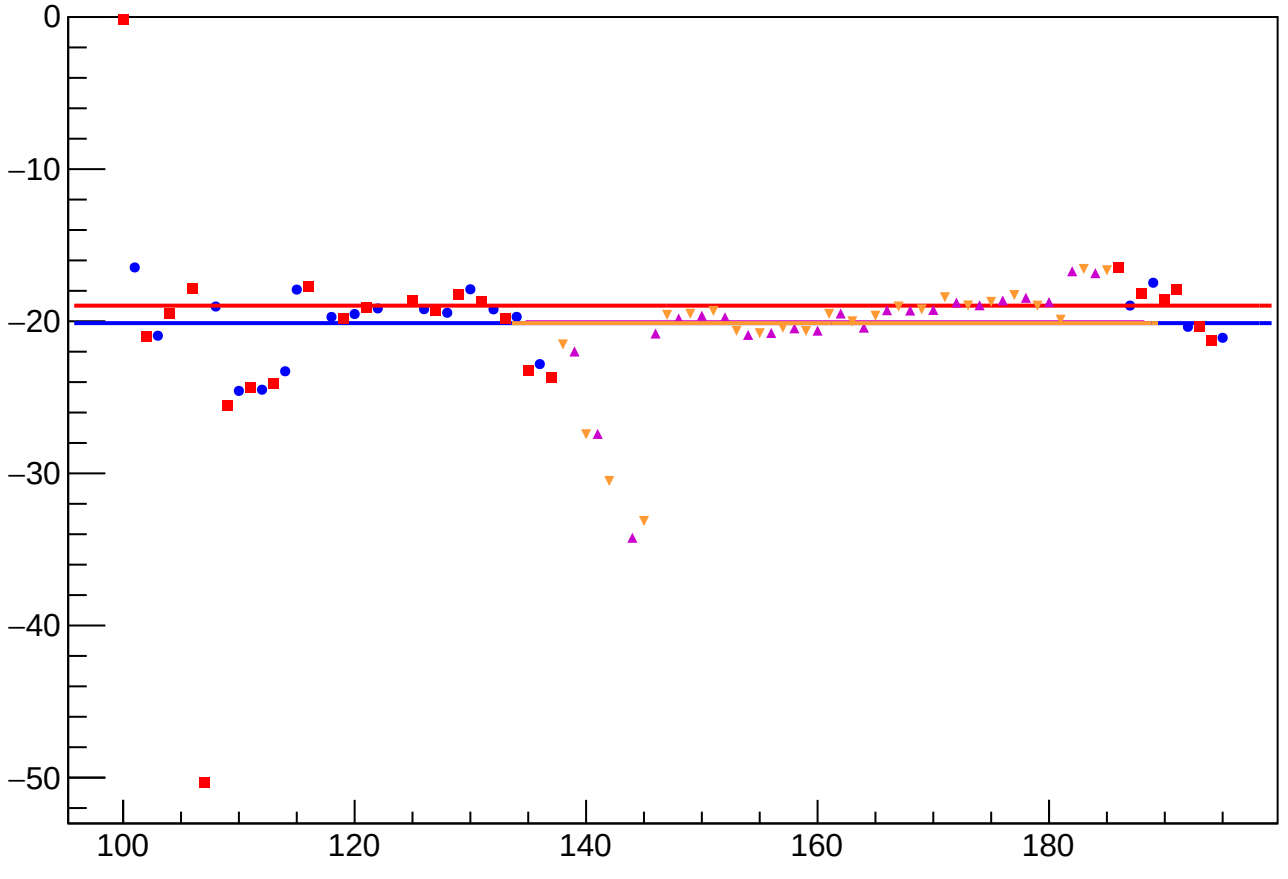
Right Out: 3.337+/-0.235 χ^2/NDF: 396.1/23

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.053+/-0.141 χ^2/NDF: 973.4/43

All: 7.012+/-0.100 χ^2/NDF: 2031.2/90

\- sign 6.971+/-0.141 χ^2/NDF: 1057.6/46



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: -18.974+/-0.013 χ^2/NDF: 239921.3/23

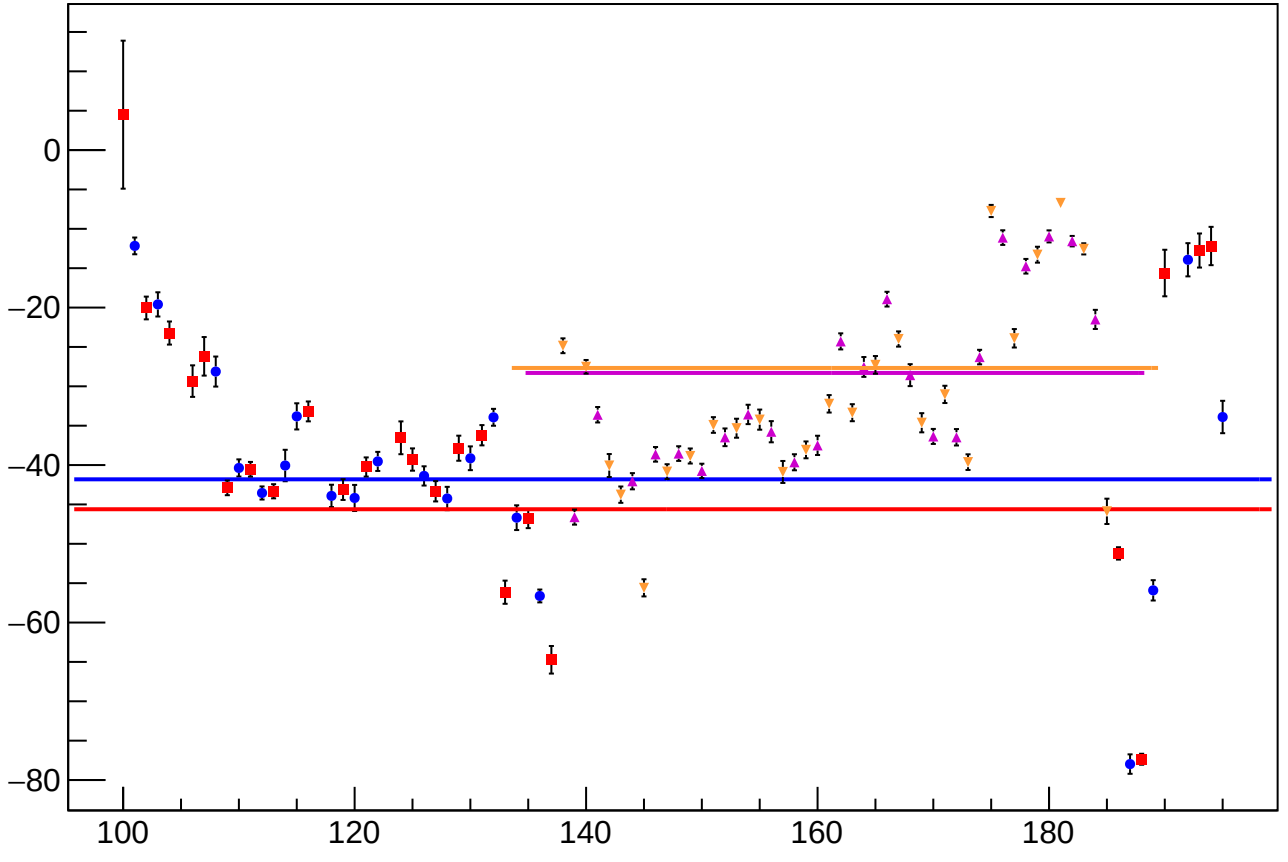
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.123+/-0.007 χ^2/NDF: 181059.1/43

All: -19.941+/-0.005 χ^2/NDF: 560226.8/90

- sign -19.766+/-0.007 χ^2/NDF: 377790.9/46

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: -45.612+/-0.260 χ^2/NDF: 3813.4/23

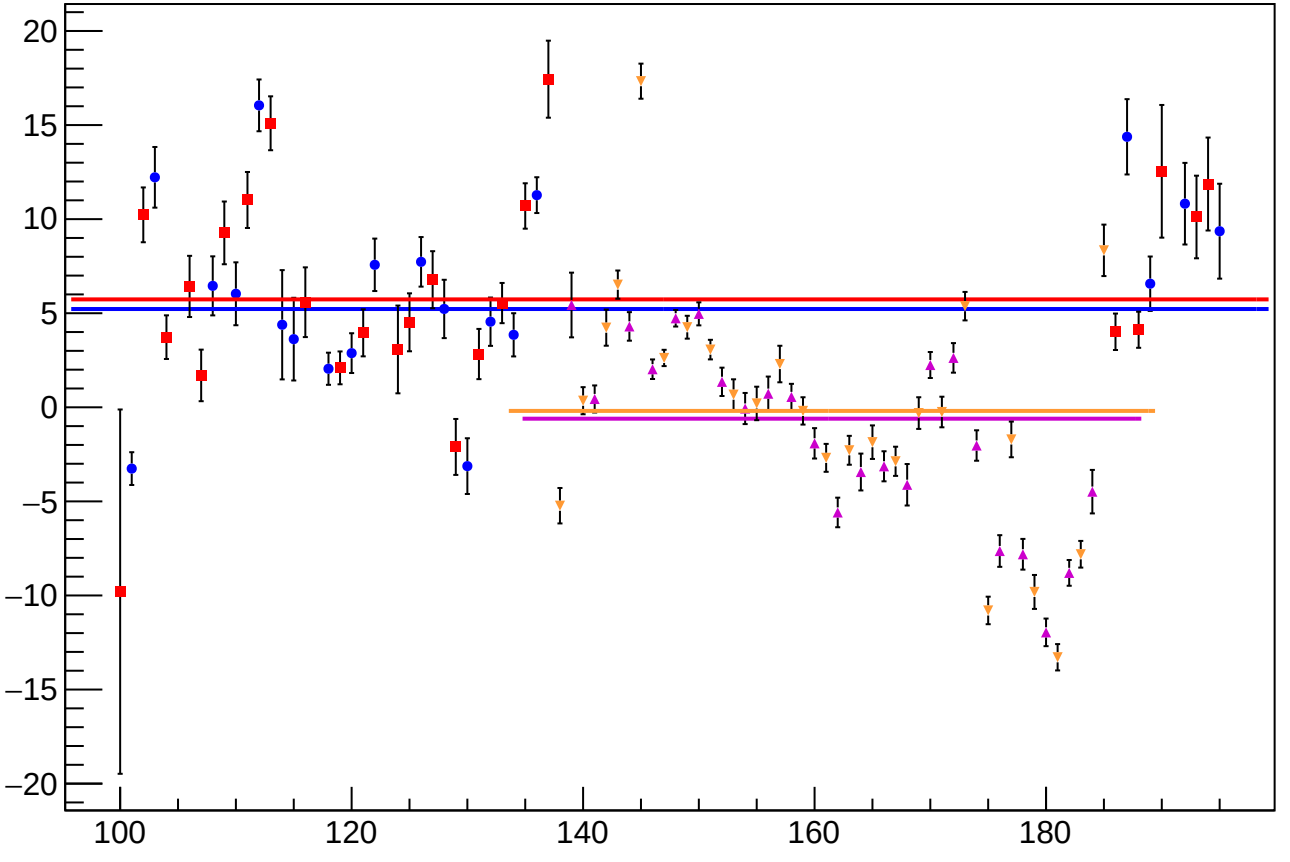
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.290+/-0.164 χ^2/NDF: 8663.1/44

All: -33.654+/-0.115 χ^2/NDF: 18609.4/91

- sign -34.967+/-0.161 χ^2/NDF: 9811.3/46

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: 5.736+/-0.287 χ^2/NDF: 207.6/23

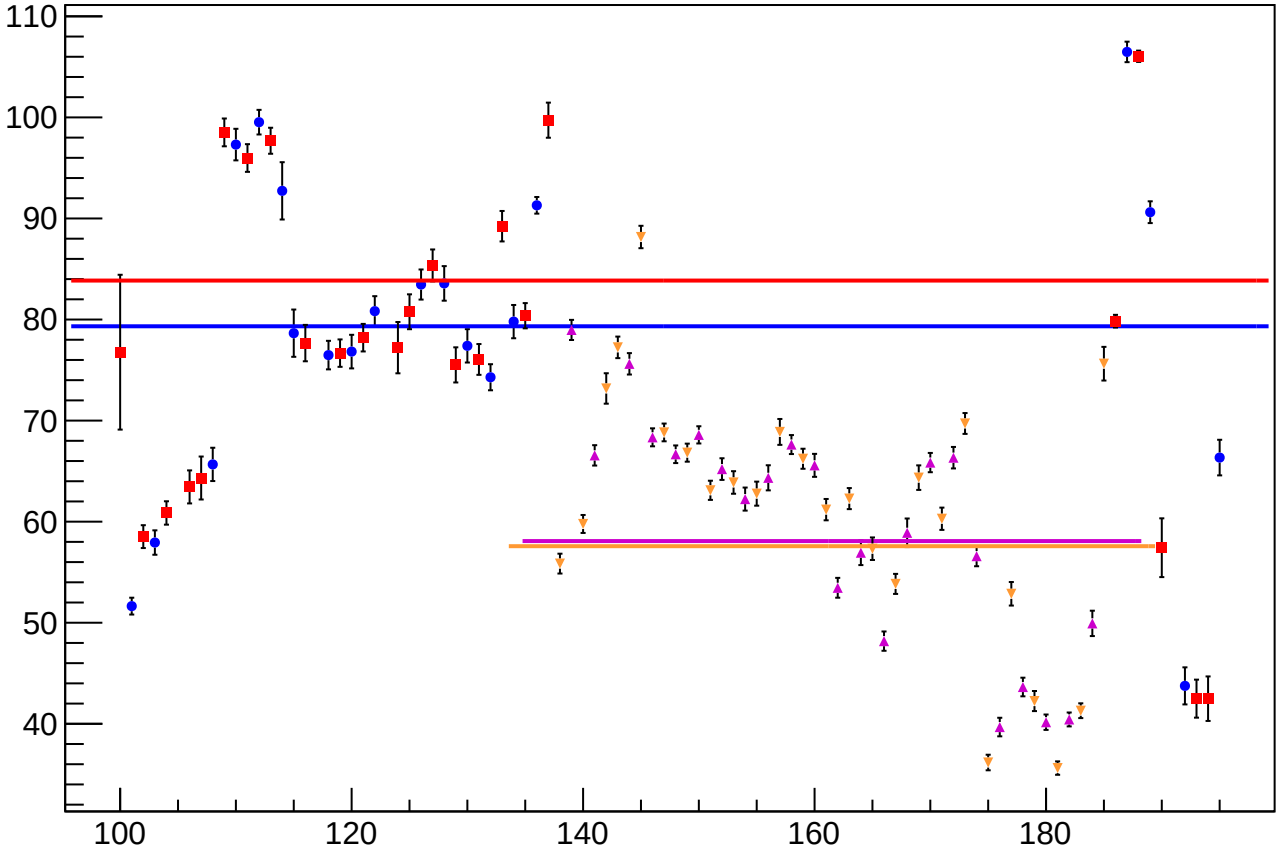
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.893+/-0.134 χ^2/NDF: 2113.2/44

All: 0.861+/-0.096 χ^2/NDF: 3673.2/91

- sign 0.829+/-0.136 χ^2/NDF: 1559.8/46

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: 83.856+/-0.262 χ^2/NDF: 4205.3/23

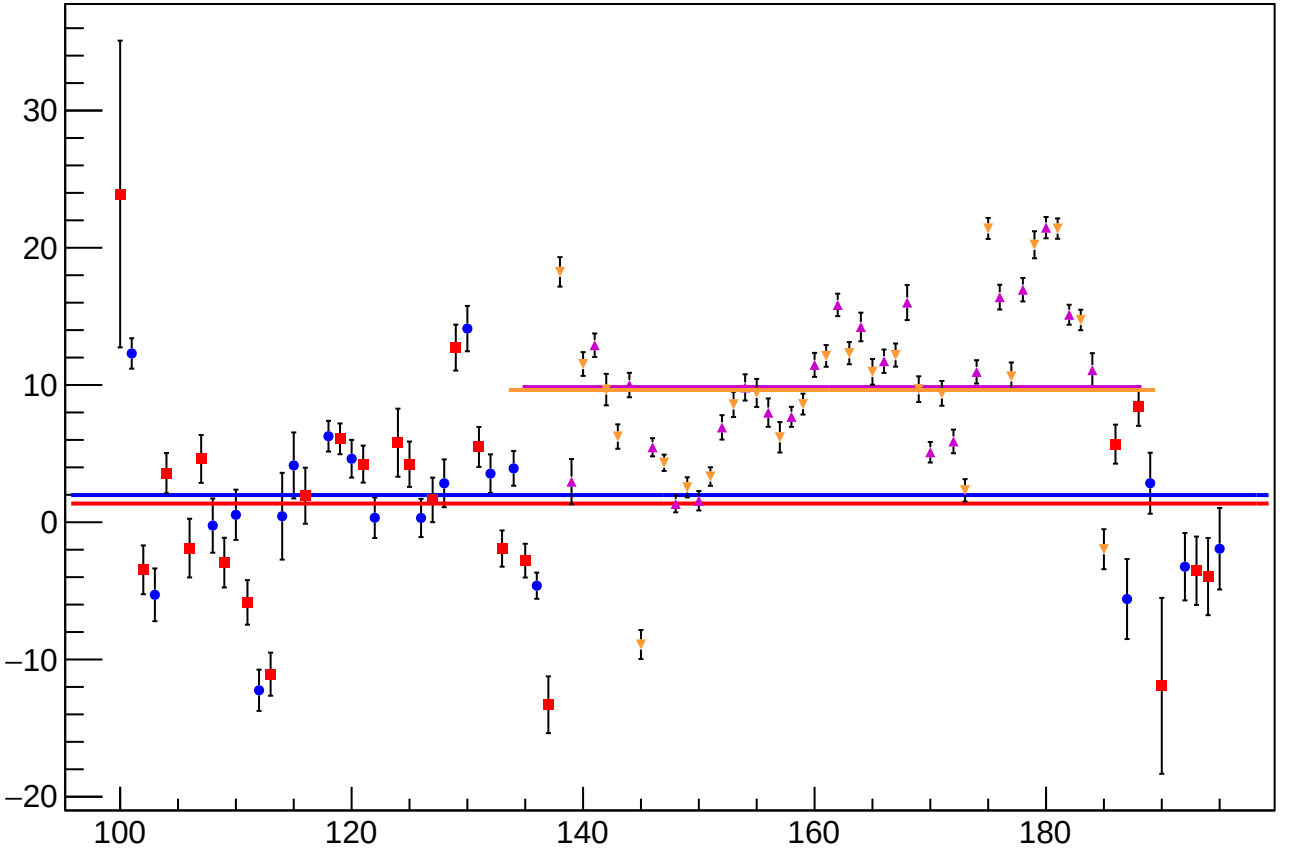
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.284+/-0.165 χ^2/NDF: 11798.8/44

All: 66.092+/-0.115 χ^2/NDF: 25843.7/91

- sign 67.795+/-0.161 χ^2/NDF: 13813.2/46

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: 1.362+/-0.343 χ^2/NDF: 303.5/23

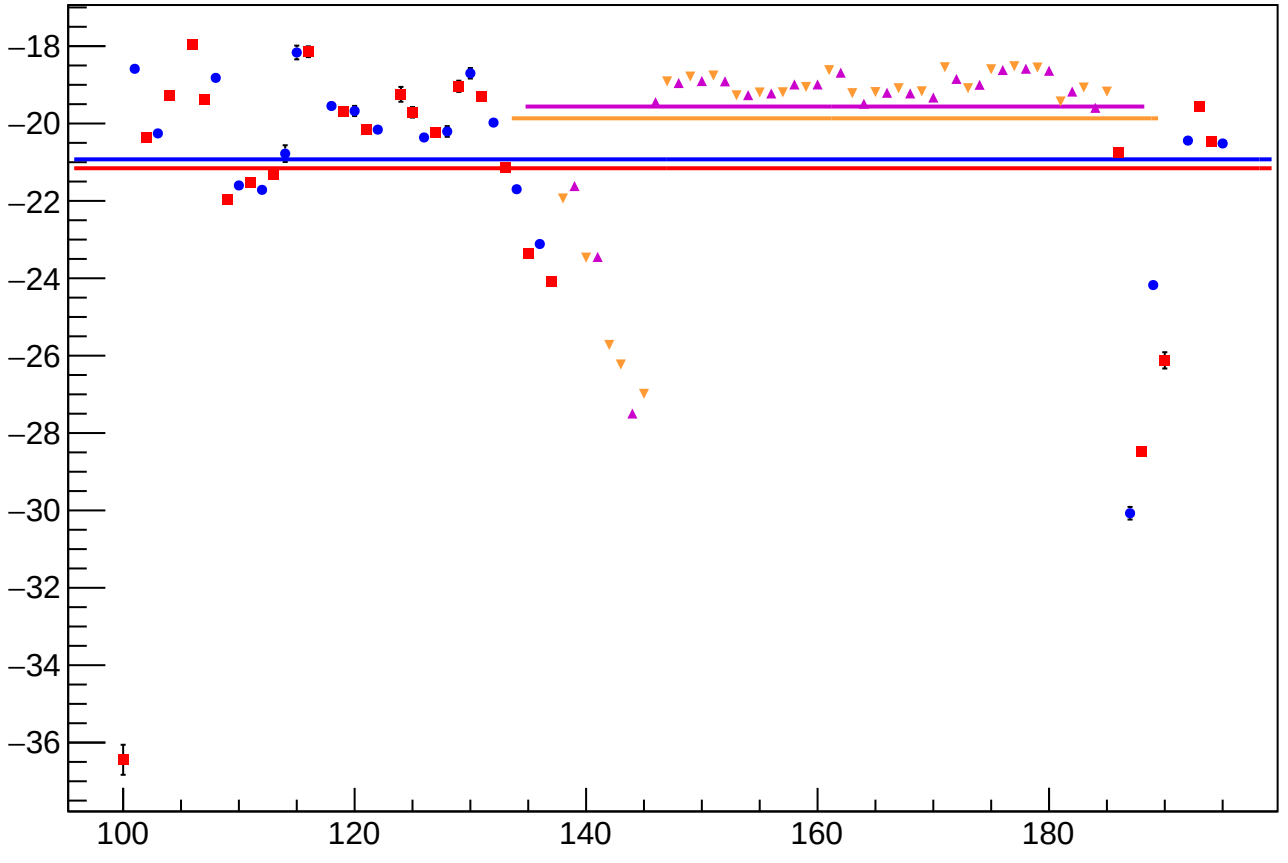
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.152+/-0.154 χ^2/NDF: 2211.6/44

All: 8.113+/-0.110 χ^2/NDF: 3992.9/91

- sign 8.074+/-0.157 χ^2/NDF: 1781.2/46

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: -21.156+/-0.018 χ^2/NDF: 19828.6/23

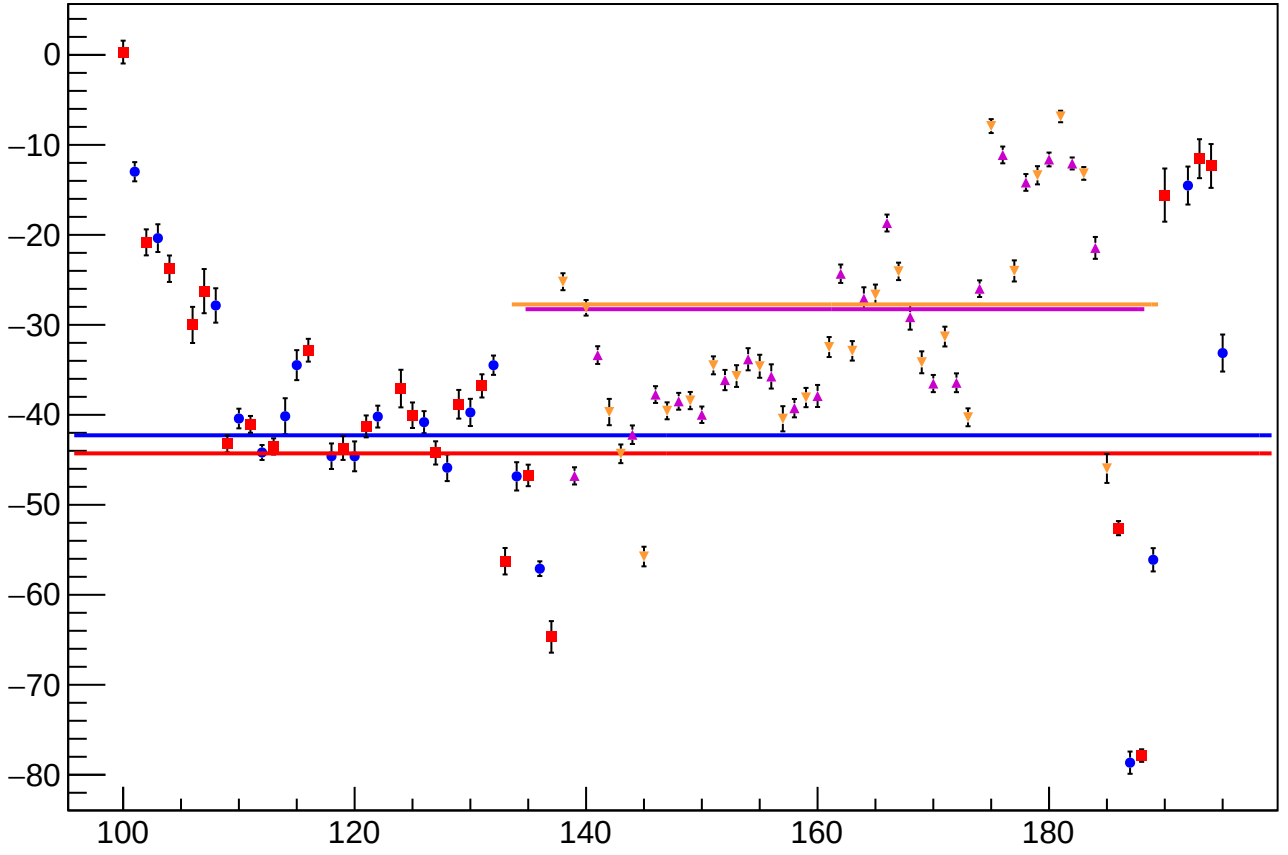
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.035+/-0.007 χ^2/NDF: 93697.2/44

All: -19.929+/-0.005 χ^2/NDF: 165653.4/91

- sign -19.820+/-0.007 χ^2/NDF: 71516.7/46

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: -44.284+/-0.255 χ^2/NDF: 5104.3/23

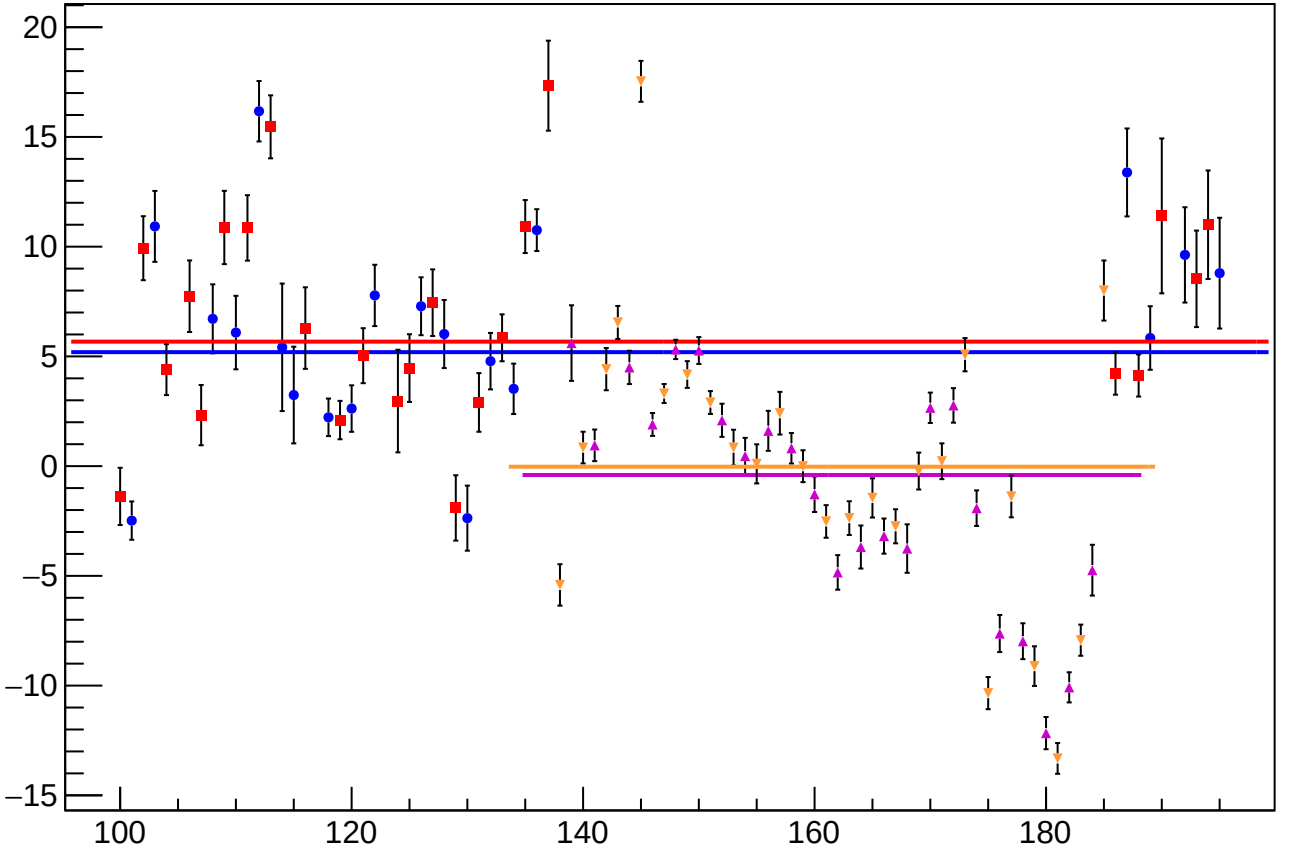
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.482+/-0.165 χ^2/NDF: 8641.5/44

All: -33.563+/-0.115 χ^2/NDF: 19387.5/91

- sign -34.587+/-0.160 χ^2/NDF: 10662.2/46

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: 5.673+/-0.281 χ^2/NDF: 230.4/23

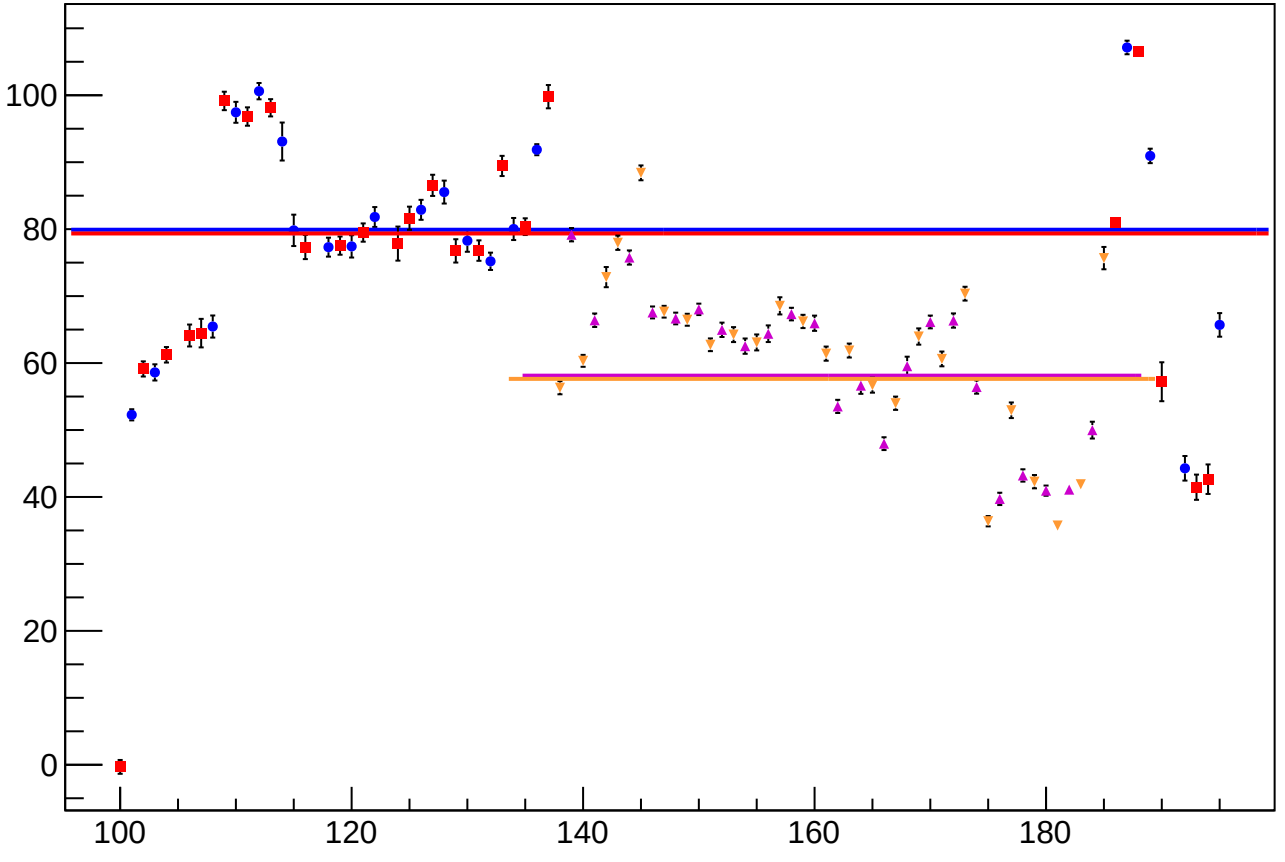
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.019+/-0.134 χ^2/NDF: 2038.4/44

All: 1.020+/-0.096 χ^2/NDF: 3711.2/91

- sign 1.021+/-0.136 χ^2/NDF: 1672.9/46

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: 79.354+/-0.254 χ^2/NDF: 10543.5/23

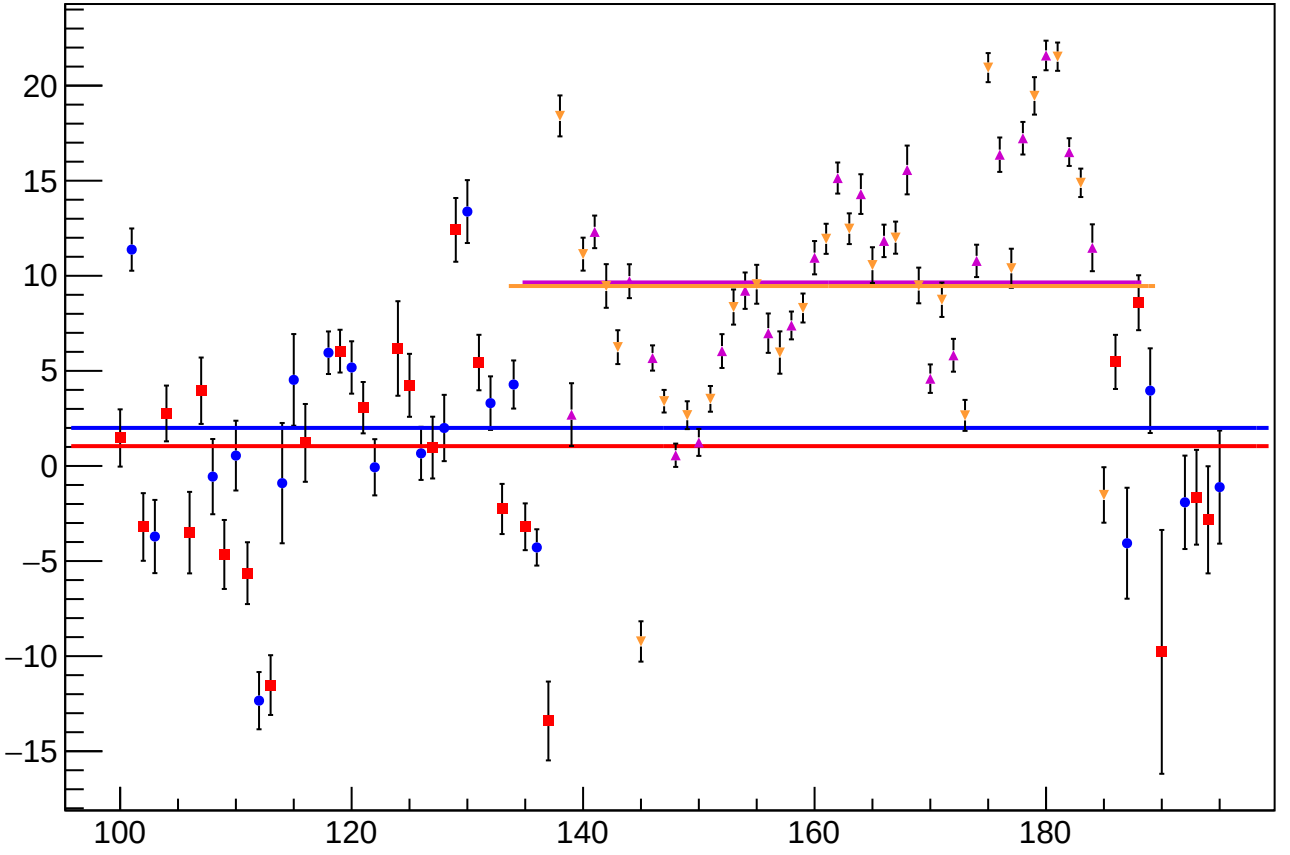
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.509+/-0.166 χ^2/NDF: 11899.7/44

All: 65.511+/-0.115 χ^2/NDF: 30207.7/91

- sign 66.434+/-0.159 χ^2/NDF: 18237.8/46

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: 1.043+/-0.335 χ^2/NDF: 299.8/23

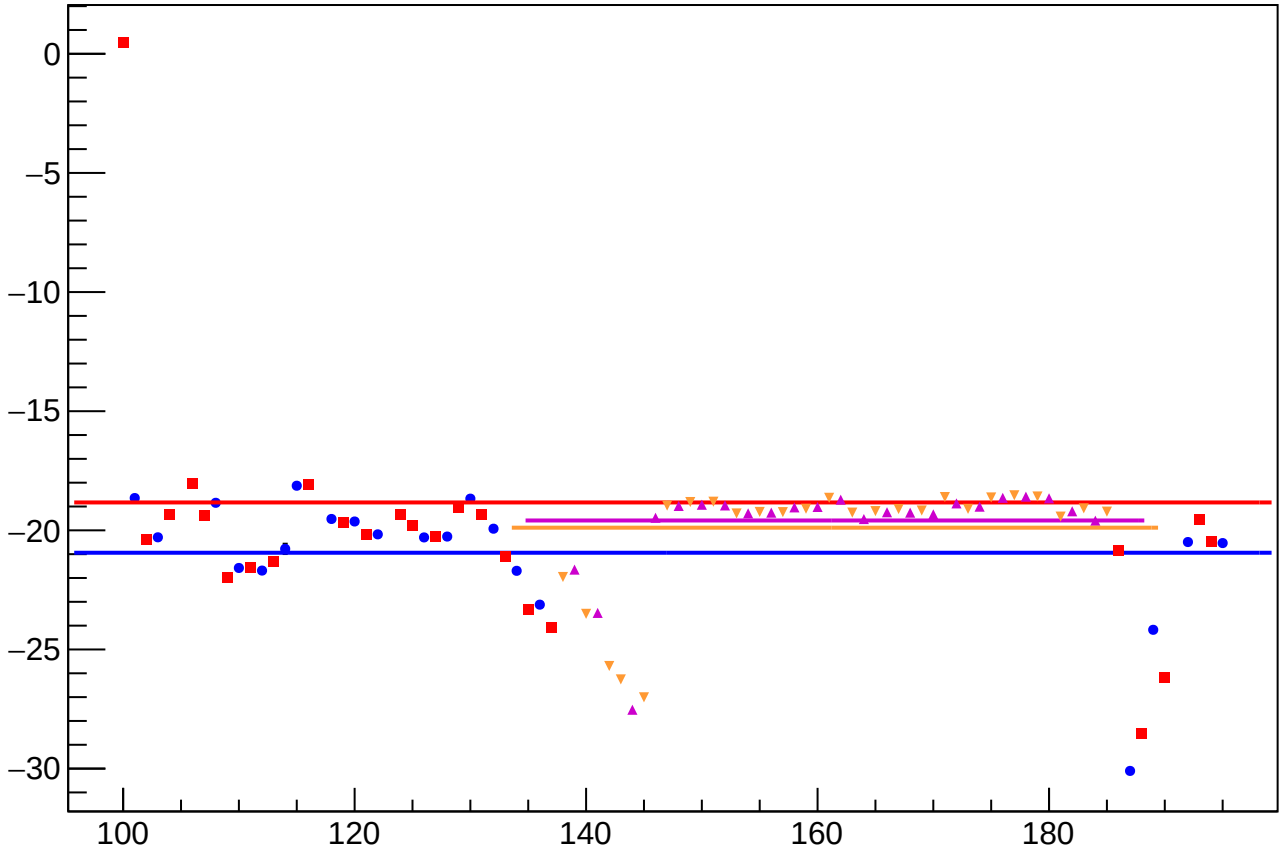
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.015+/-0.154 χ^2/NDF: 2148.6/44

All: 7.897+/-0.110 χ^2/NDF: 4045.1/91

- sign 7.777+/-0.156 χ^2/NDF: 1895.3/46

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: -18.829+/-0.017 χ^2/NDF: 170346.9/23

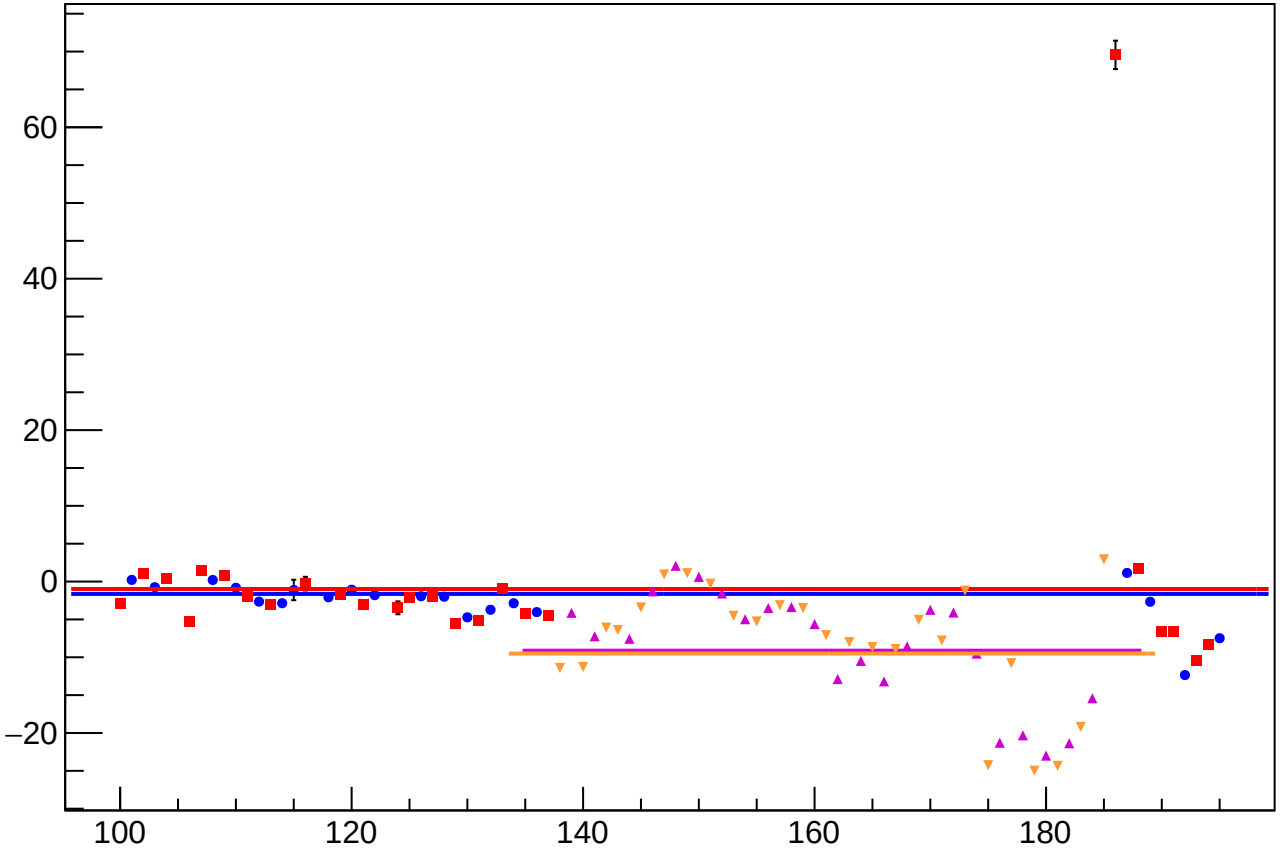
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.056+/-0.007 χ^2/NDF: 93126.5/44

All: -19.754+/-0.005 χ^2/NDF: 313667.7/91

- sign -19.452+/-0.007 χ^2/NDF: 217036.8/46

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: -0.983+/-0.048 χ^2/NDF: 4296.9/24

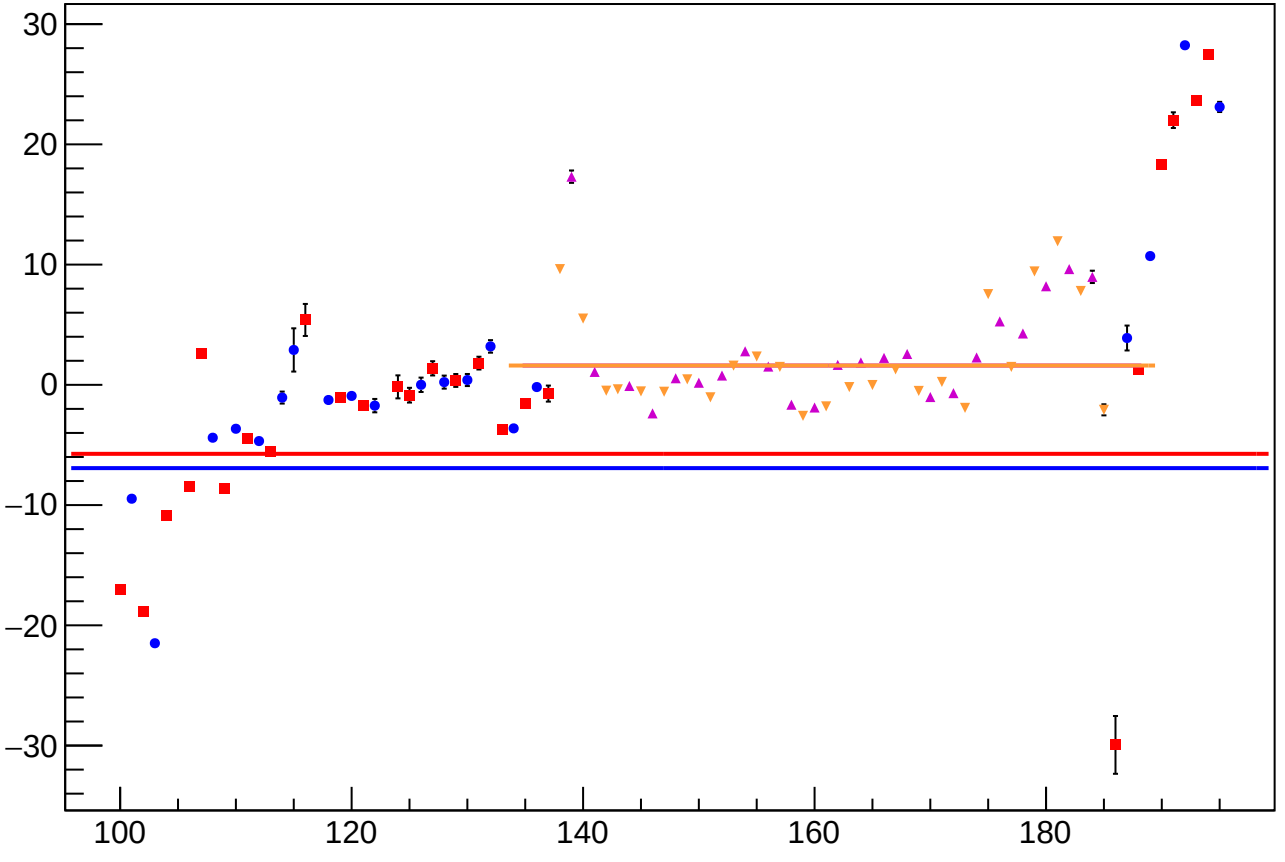
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.344+/-0.043 χ^2/NDF: 22410.5/44

All: -3.815+/-0.029 χ^2/NDF: 45826.8/92

- sign -3.342+/-0.040 χ^2/NDF: 23124.0/47

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: -5.738+/-0.054 χ^2/NDF: 34574.0/24

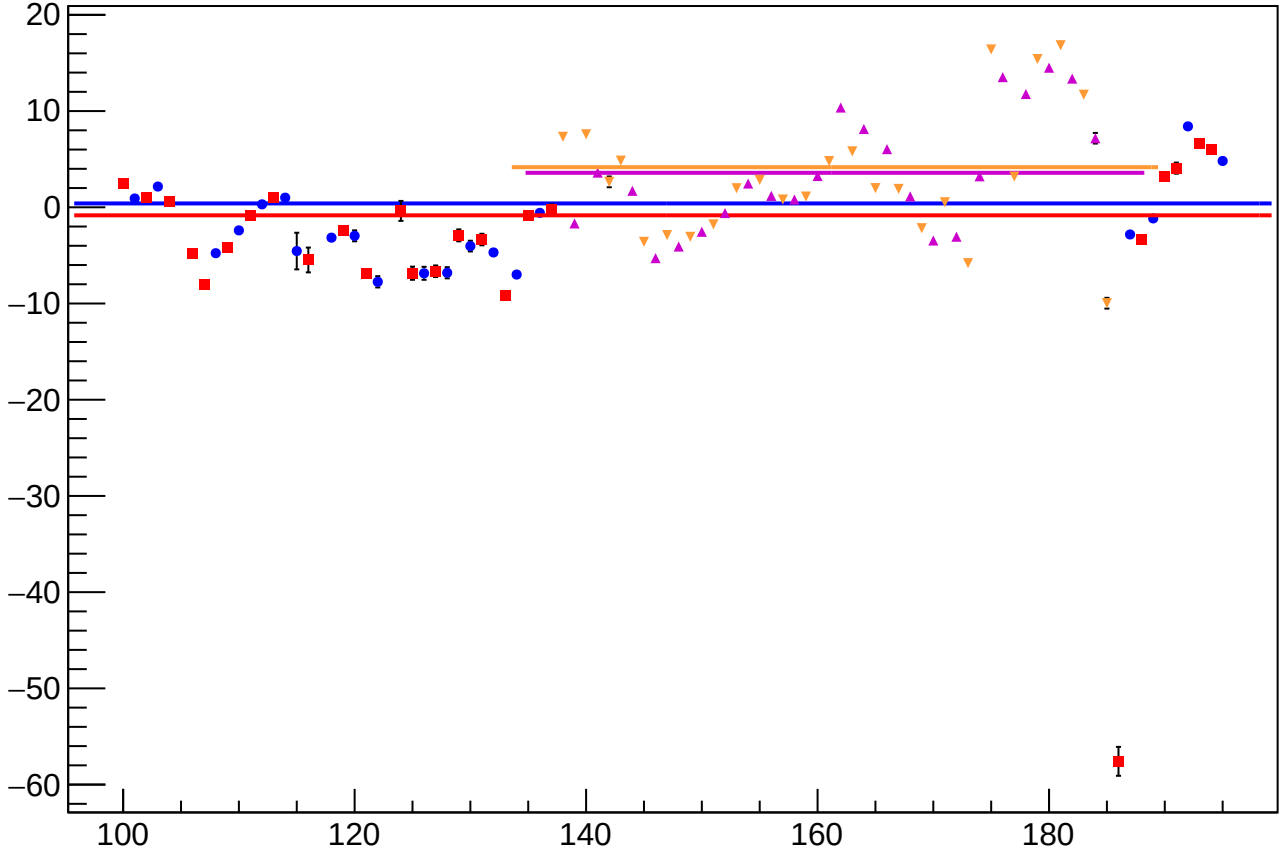
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -2.658+/-0.039 χ^2/NDF: 46964.4/44

All: -2.472+/-0.028 χ^2/NDF: 93816.2/92

\- sign -2.280+/-0.040 χ^2/NDF: 46805.6/47

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: -0.835+/-0.049 χ^2/NDF: 5743.8/24

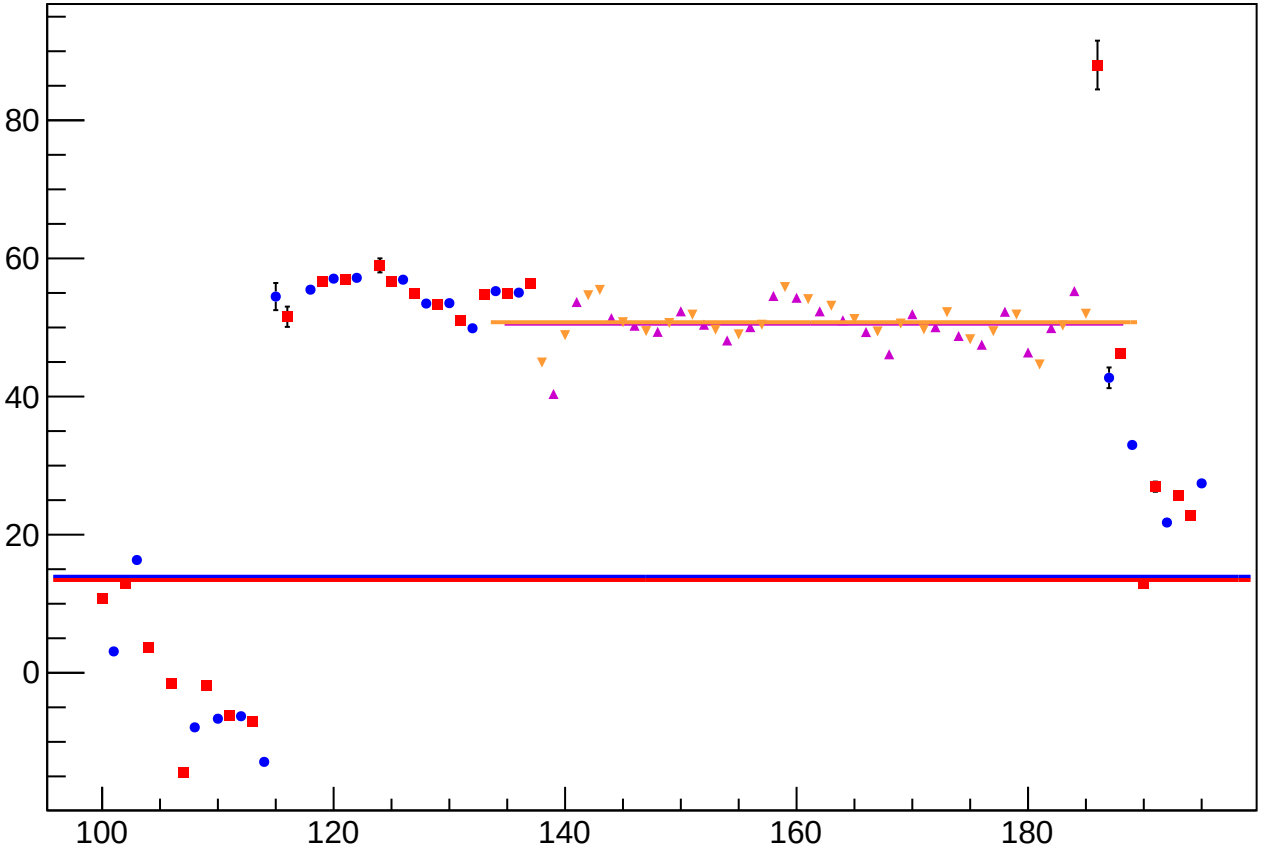
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.648+/-0.041 χ^2/NDF: 13915.5/44

All: 1.061+/-0.029 χ^2/NDF: 29772.0/92

- sign 0.499+/-0.041 χ^2/NDF: 15465.1/47

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: 13.441+/-0.065 χ^2/NDF: 127797.5/24

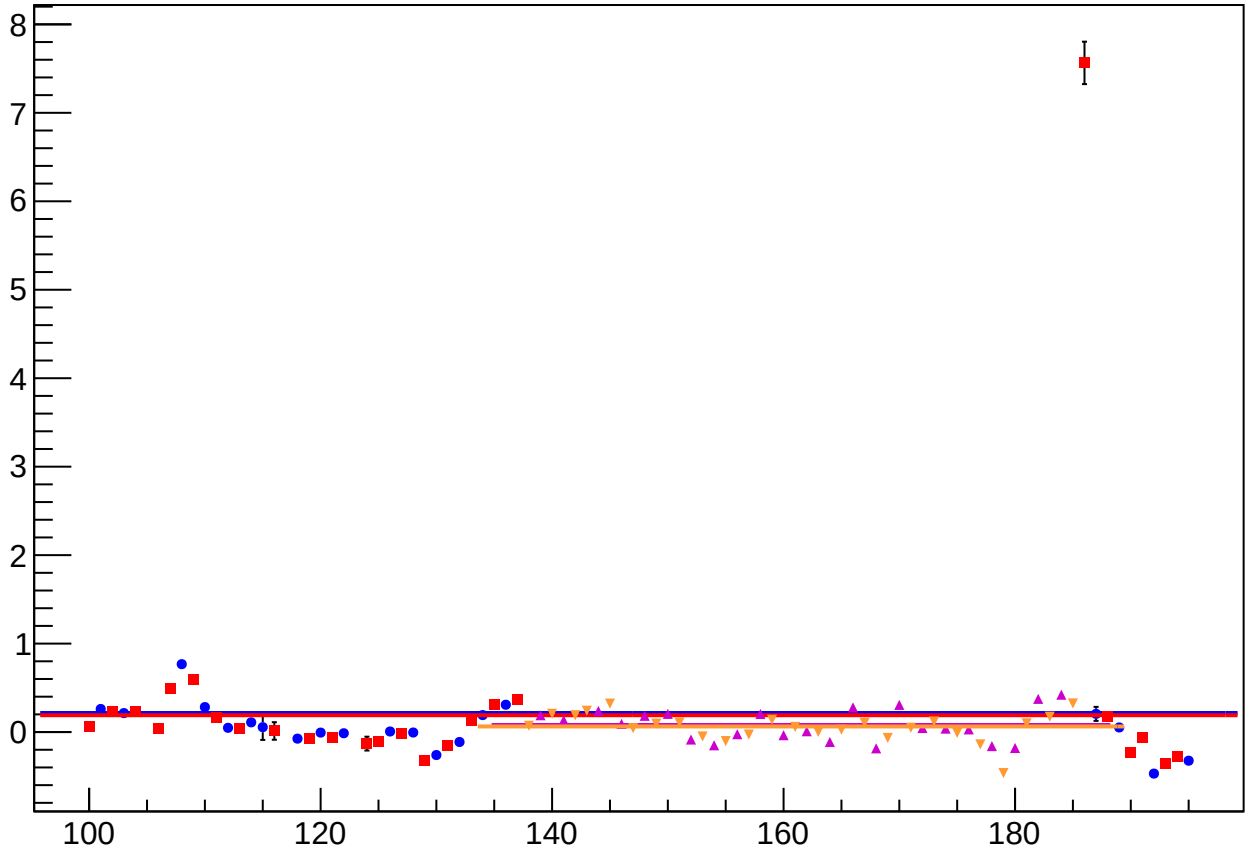
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.356+/-0.045 χ^2/NDF: 277505.3/44

All: 32.702+/-0.032 χ^2/NDF: 571243.1/92

- sign 32.033+/-0.046 χ^2/NDF: 293317.1/47

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: 0.191+/-0.003 χ^2/NDF: 6853.6/24

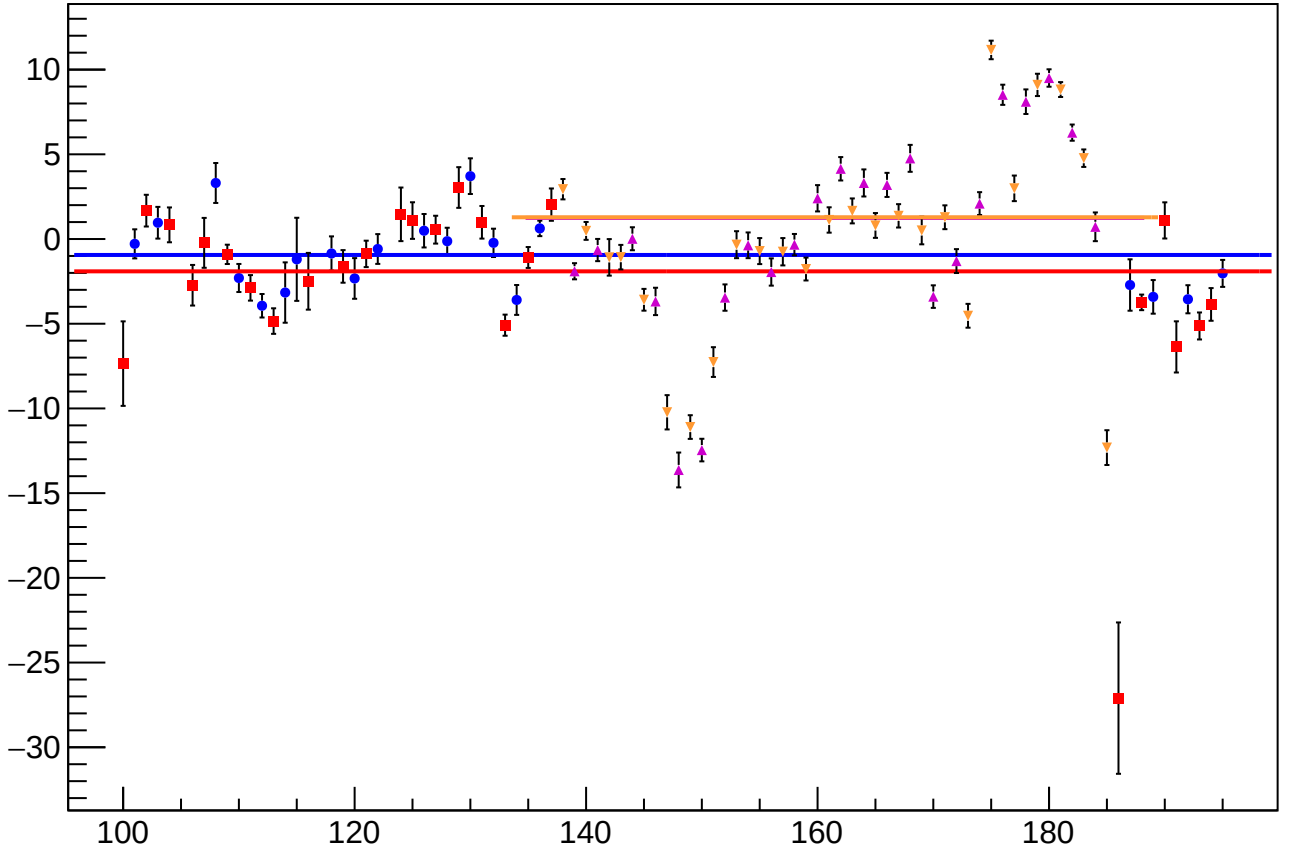
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.143+/-0.002 χ^2/NDF: 12191.4/44

All: 0.142+/-0.001 χ^2/NDF: 23333.1/92

- sign 0.140+/-0.002 χ^2/NDF: 11140.8/47

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: -1.908+/-0.175 χ^2/NDF: 227.0/24

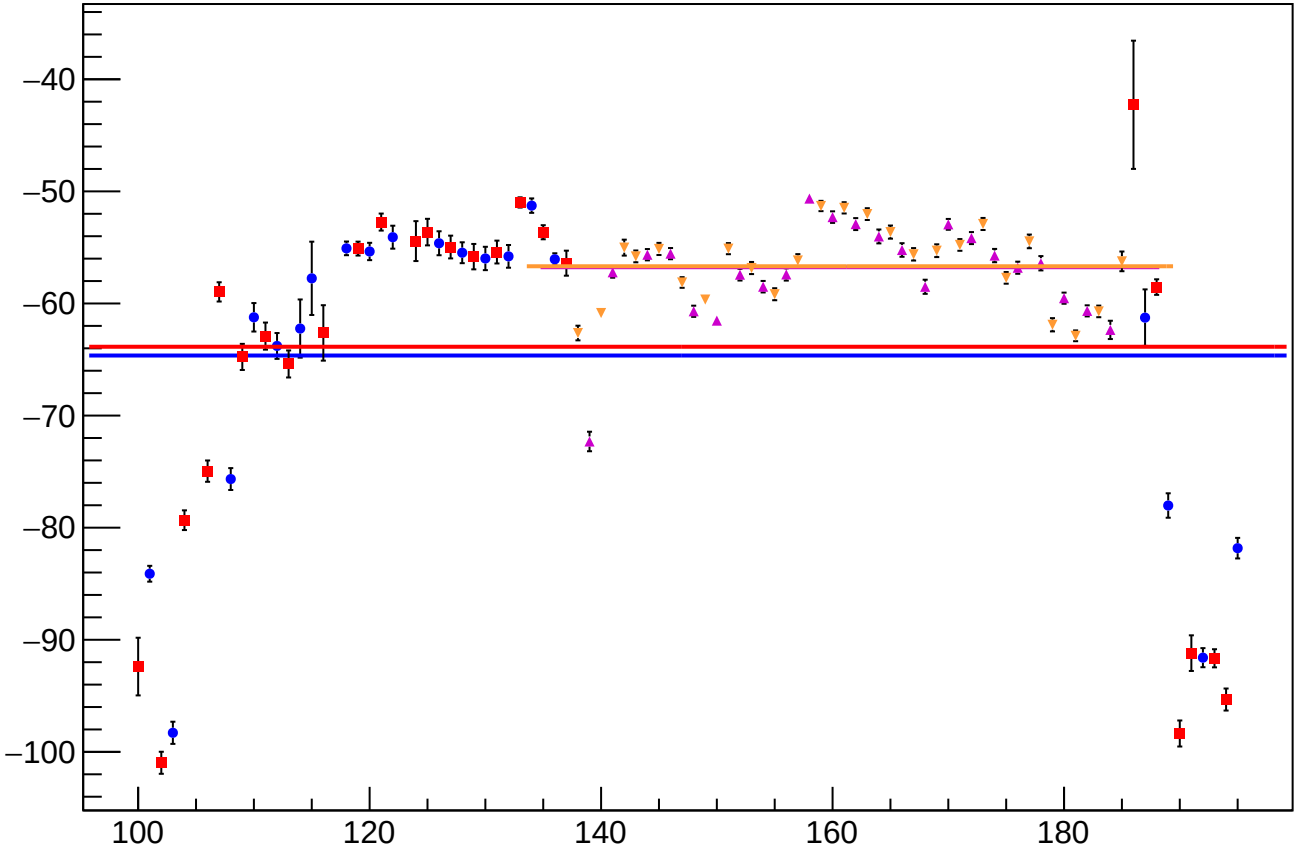
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.559+/-0.113 χ^2/NDF: 1907.1/44

All: 0.278+/-0.078 χ^2/NDF: 3856.3/92

- sign 0.011+/-0.110 χ^2/NDF: 1937.1/47

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: -63.861+/-0.185 χ^2/NDF: 7304.6/24

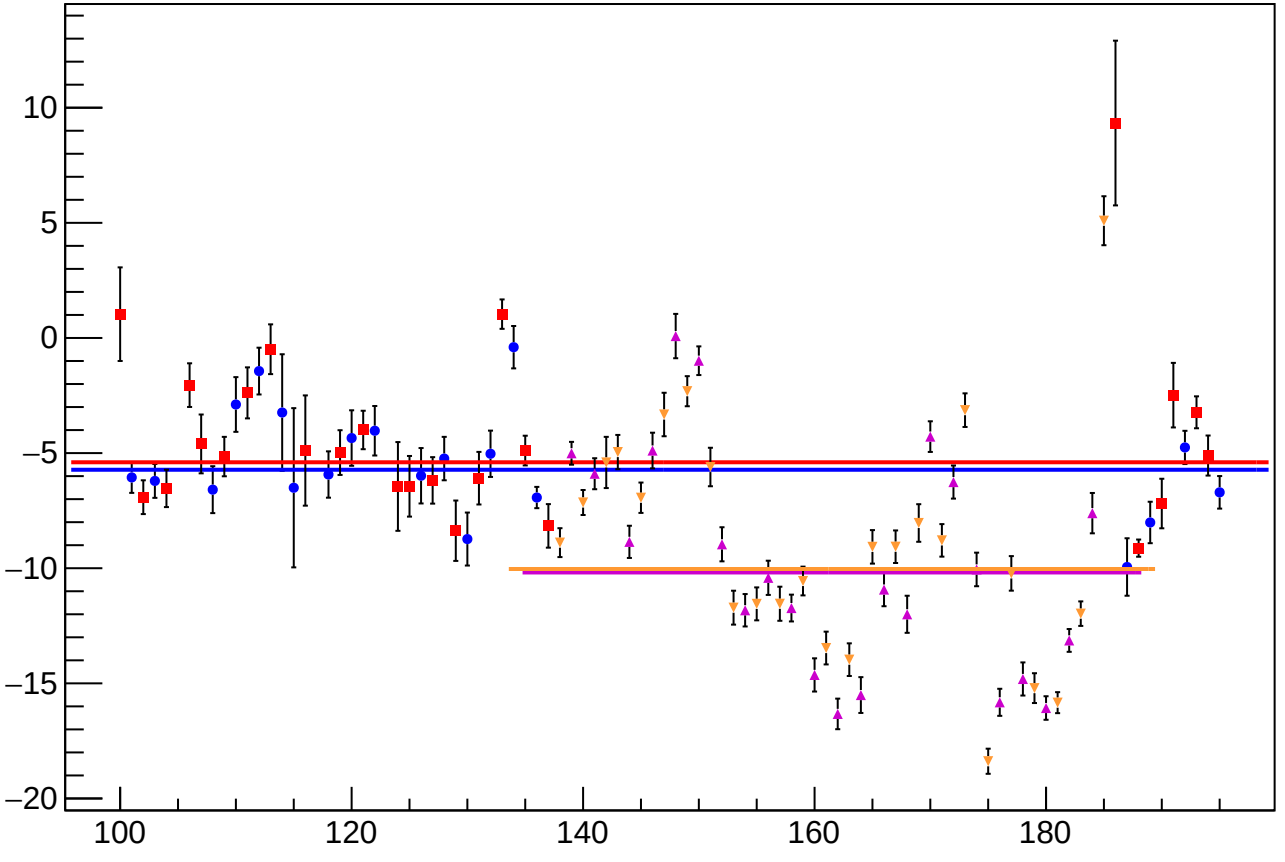
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.425+/-0.095 χ^2/NDF: 7302.7/44

All: -58.545+/-0.067 χ^2/NDF: 16796.6/92

- sign -58.668+/-0.096 χ^2/NDF: 9490.6/47

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: -5.398+/-0.176 χ^2/NDF: 311.6/24

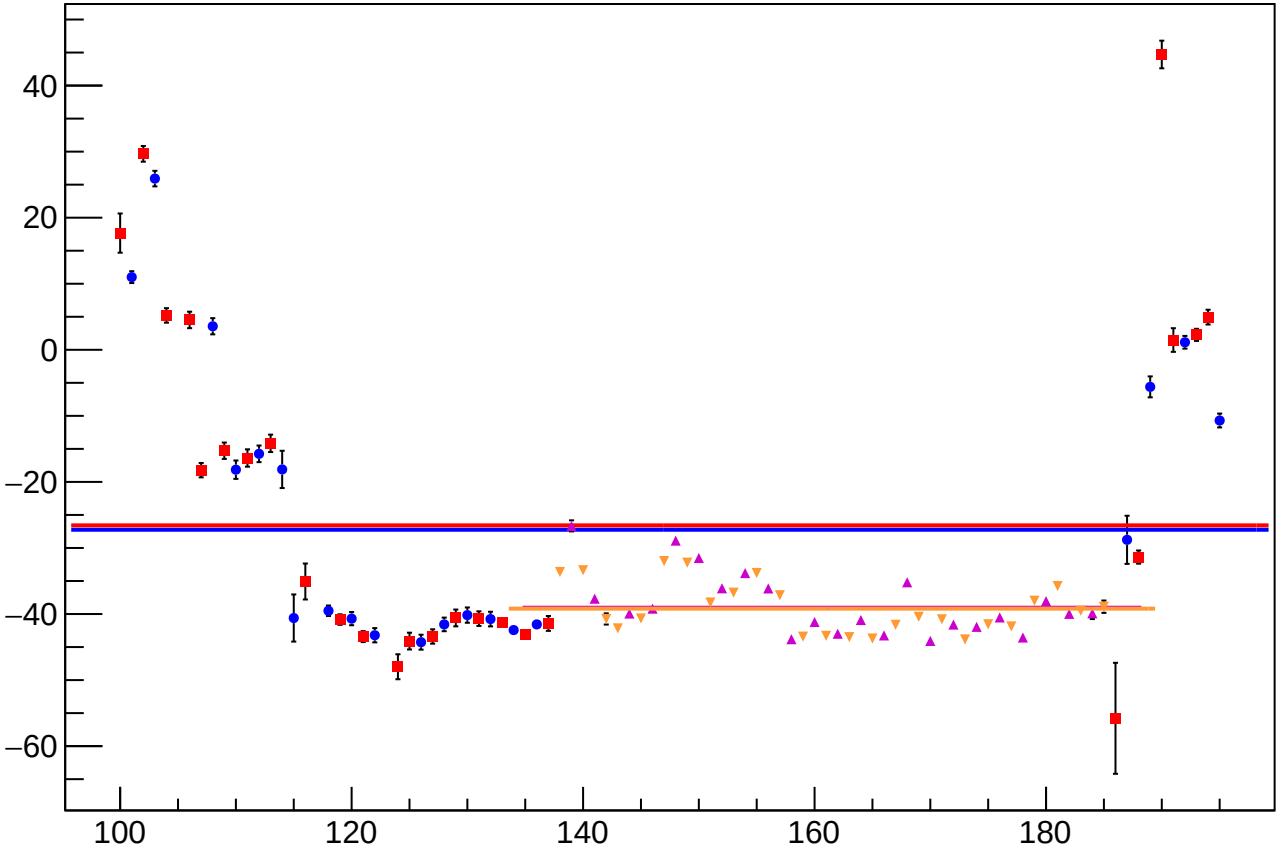
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.679+/-0.113 χ^2/NDF: 1596.5/44

All: -8.507+/-0.078 χ^2/NDF: 3509.7/92

- sign -8.346+/-0.109 χ^2/NDF: 1908.8/47

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: -26.576+/-0.217 χ^2/NDF: 10554.5/24

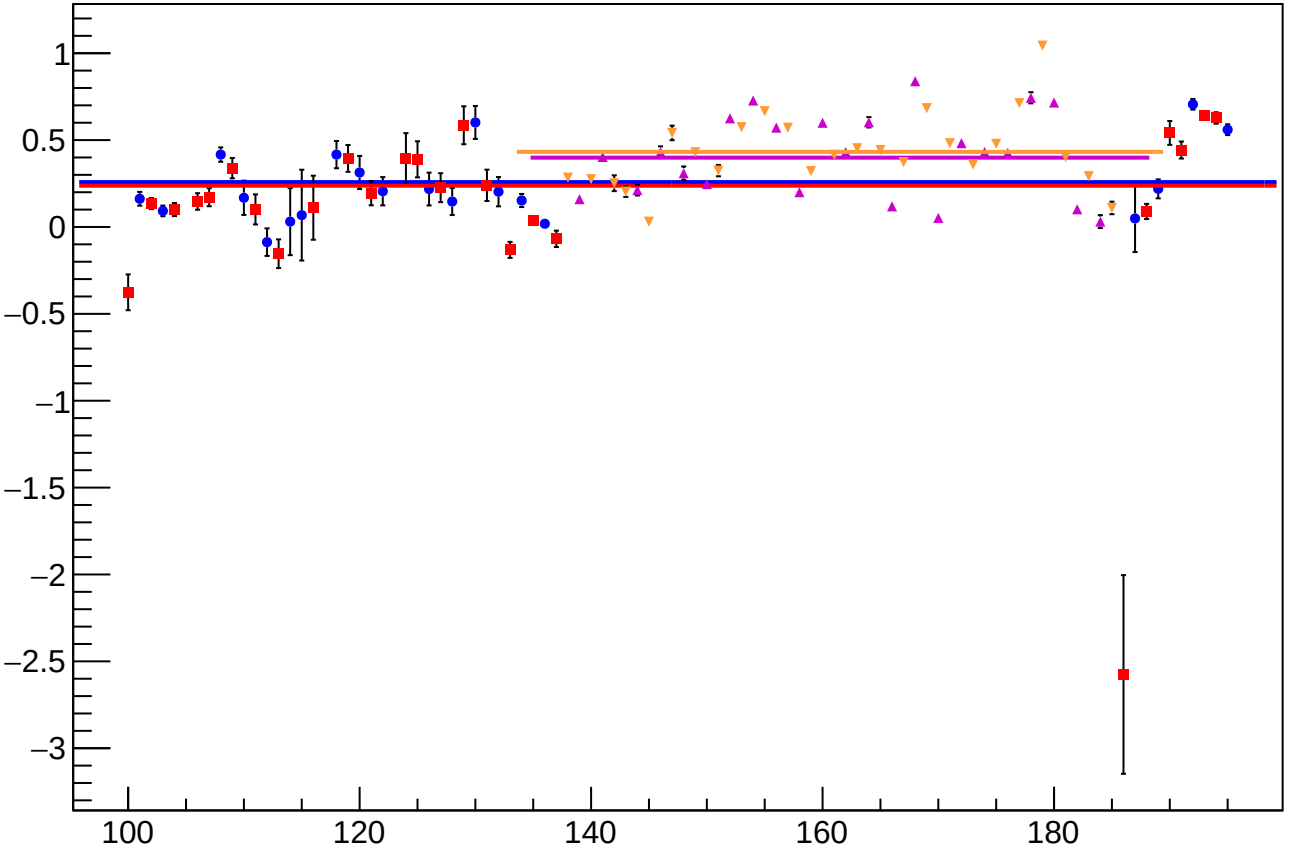
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.667+/-0.107 χ^2/NDF: 11542.9/44

All: -36.321+/-0.076 χ^2/NDF: 25830.9/92

- sign -35.966+/-0.108 χ^2/NDF: 14266.6/47

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: 0.238+/-0.010 χ^2/NDF: 694.8/24

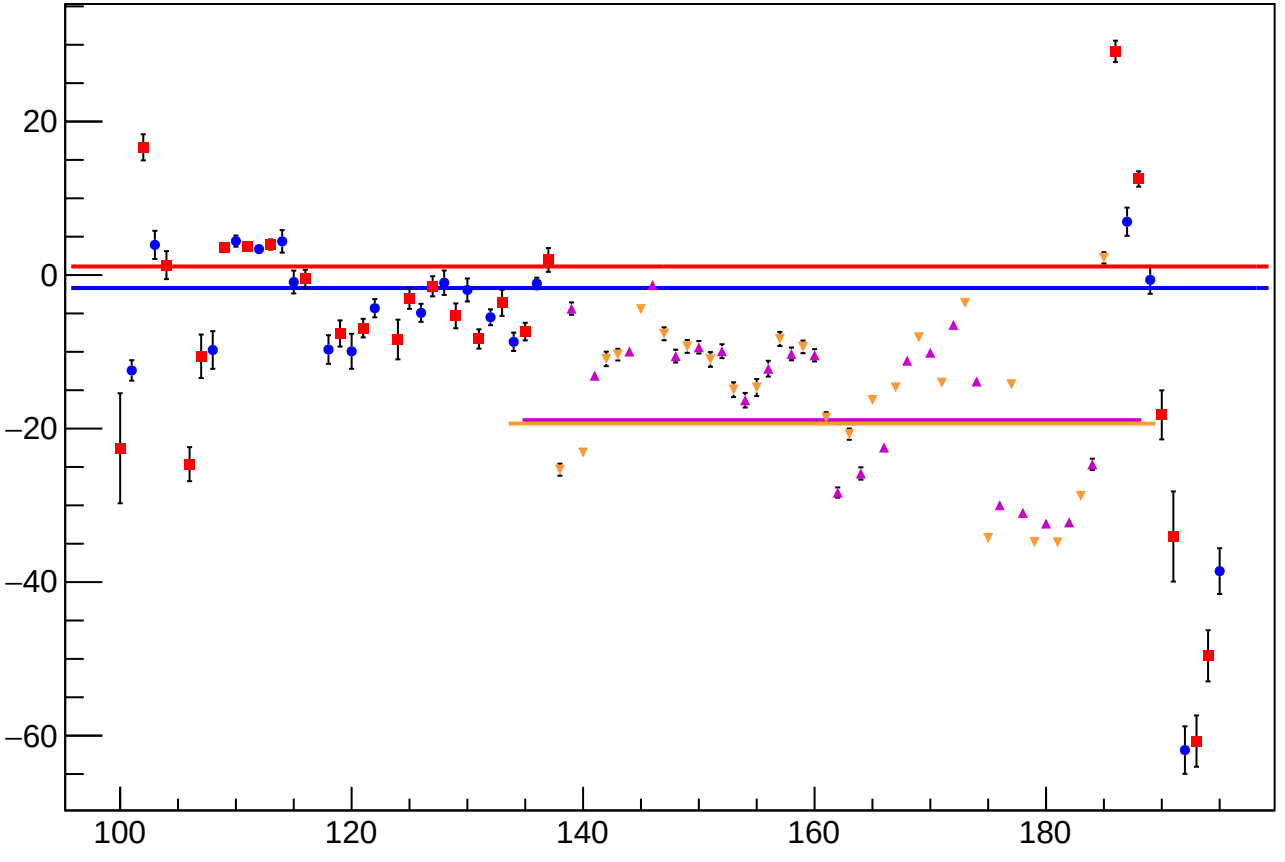
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.398+/-0.005 χ^2/NDF: 2120.5/44

All: 0.380+/-0.003 χ^2/NDF: 4966.2/92

- sign 0.363+/-0.005 χ^2/NDF: 2819.7/47

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: 1.117+/-0.251 χ^2/NDF: 1711.3/24

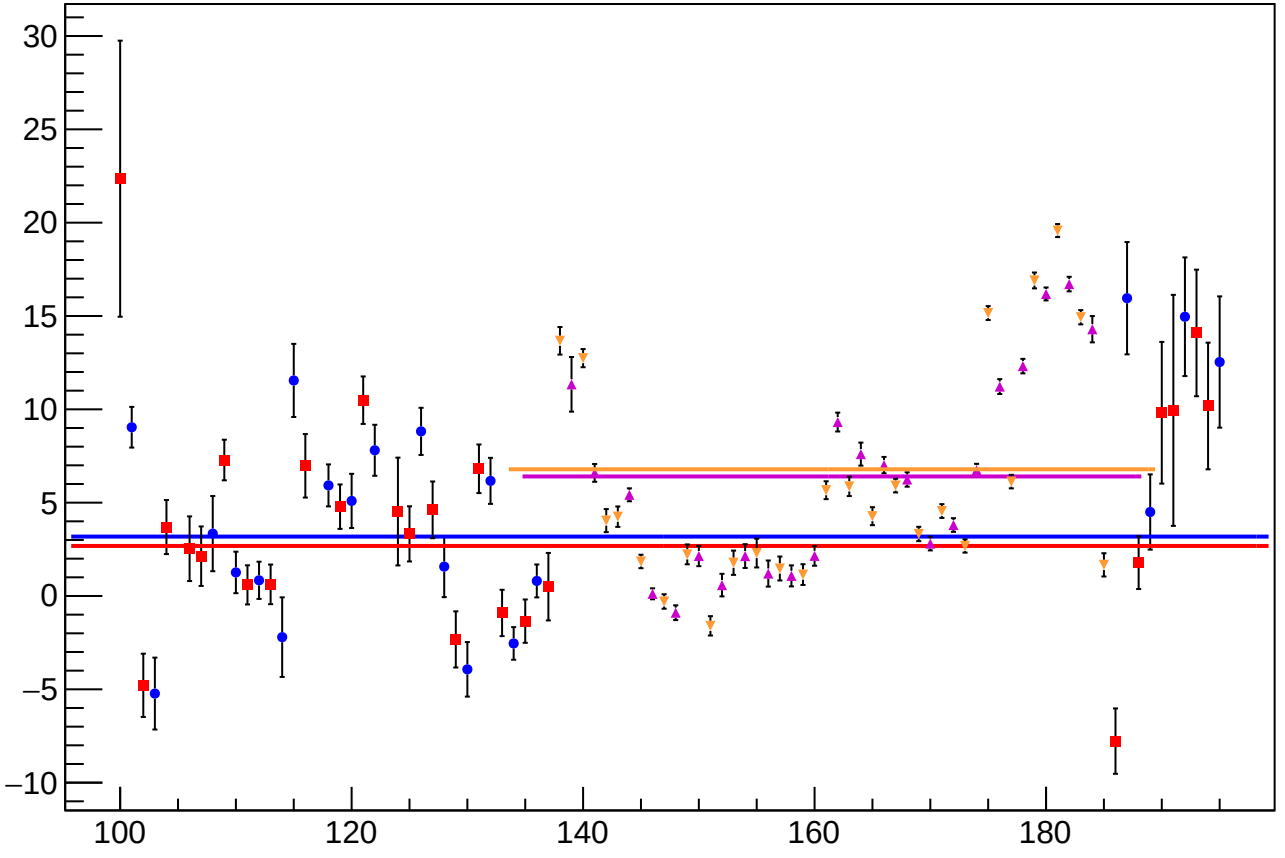
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.733+/-0.105 χ^2/NDF: 14877.3/44

All: -16.052+/-0.074 χ^2/NDF: 30214.4/92

- sign -15.362+/-0.105 χ^2/NDF: 15251.8/47

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: 2.681+/-0.305 χ^2/NDF: 202.4/24

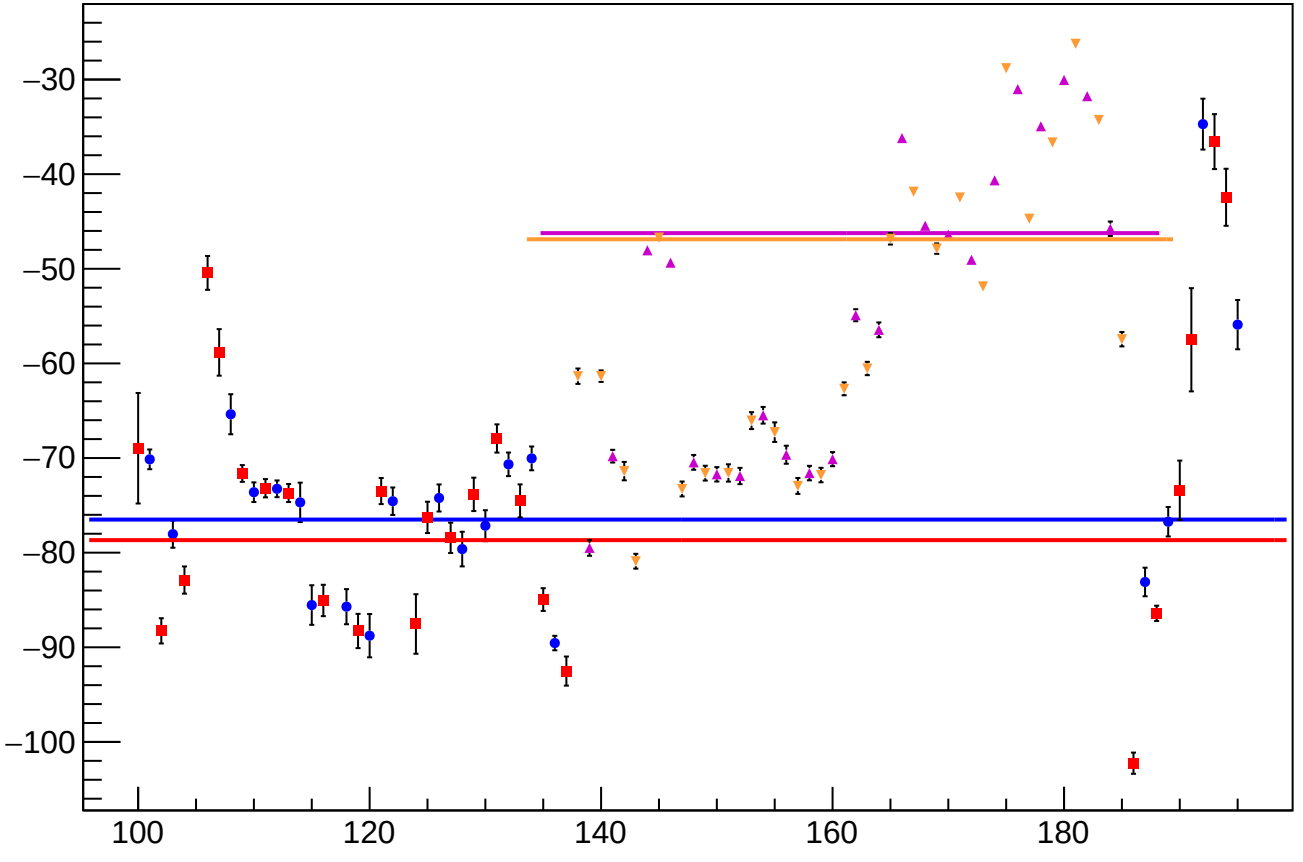
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.499+/-0.086 χ^2/NDF: 5000.8/44

All: 6.301+/-0.061 χ^2/NDF: 8760.7/92

- sign 6.099+/-0.087 χ^2/NDF: 3749.3/47

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: -78.675+/-0.289 χ^2/NDF: 1648.1/24

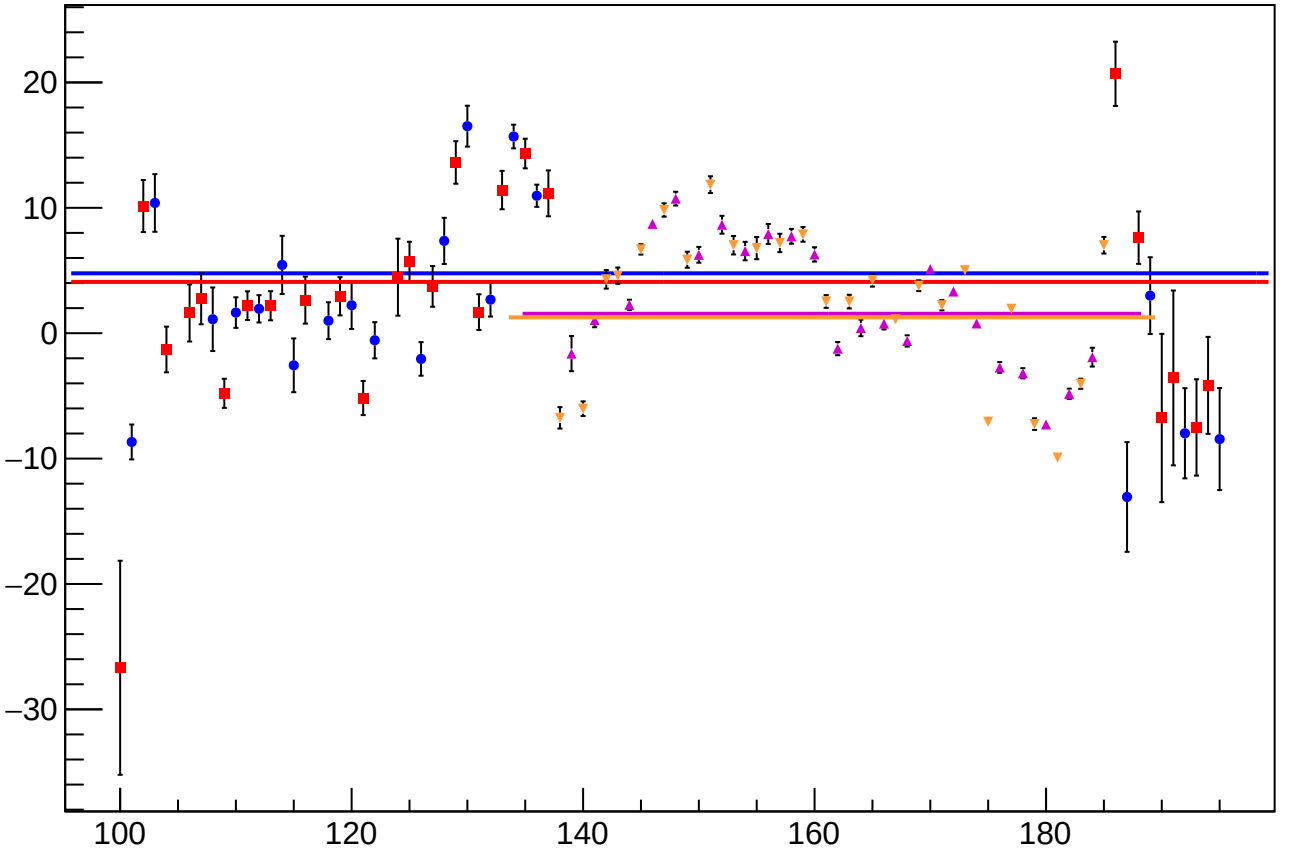
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.442+/-0.107 χ^2/NDF: 26931.9/44

All: -50.593+/-0.076 χ^2/NDF: 54589.7/92

- sign -50.746+/-0.108 χ^2/NDF: 27653.8/47

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: 4.093+/-0.349 χ^2/NDF: 354.0/24

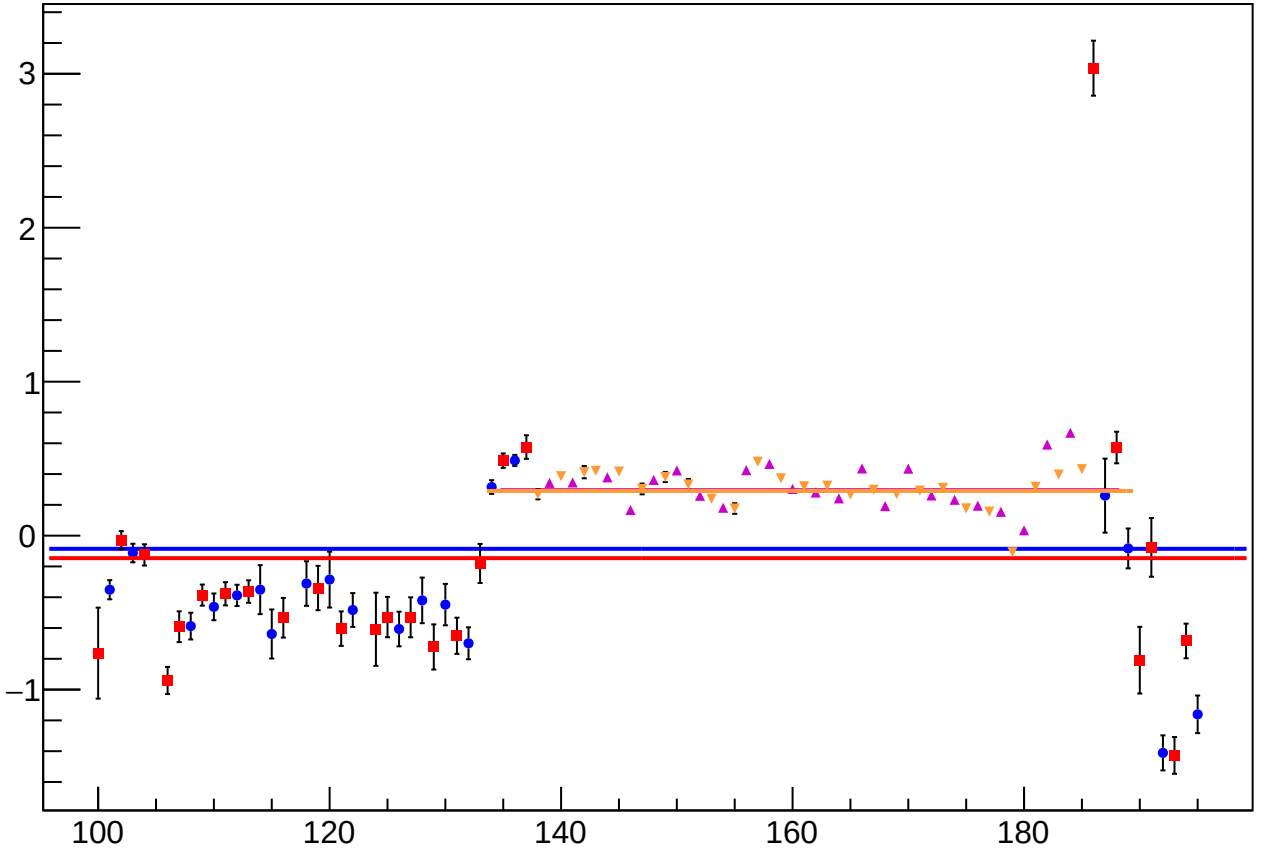
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

\+ sign 1.538+/-0.096 χ^2/NDF: 3995.6/44

All: 1.643+/-0.069 χ^2/NDF: 6736.5/92

\- sign 1.751+/-0.098 χ^2/NDF: 2738.6/47

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: -0.146+/-0.019 χ^2/NDF: 1008.8/24

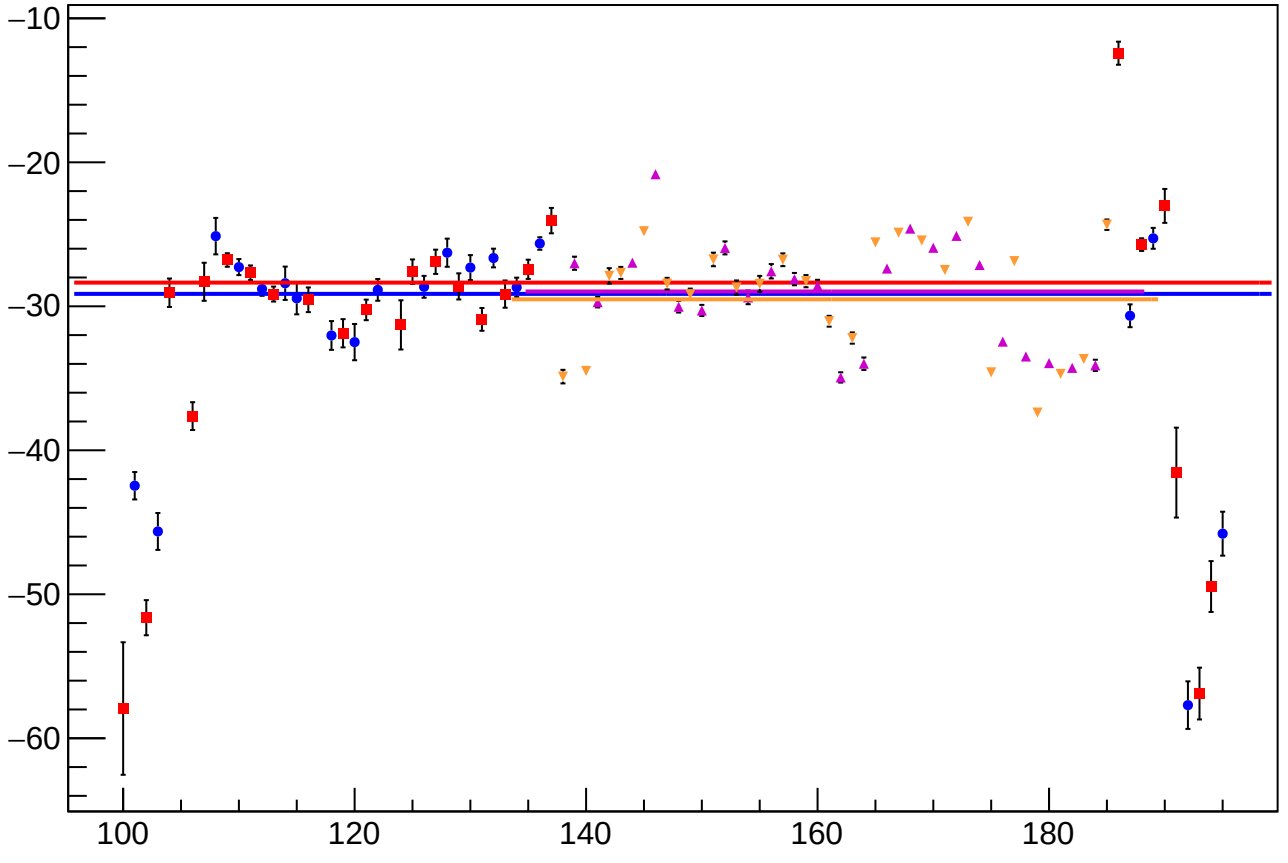
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.269+/-0.004 χ^2/NDF: 1857.9/44

All: 0.270+/-0.003 χ^2/NDF: 4413.2/92

- sign 0.271+/-0.004 χ^2/NDF: 2555.2/47

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: -28.355+/-0.161 χ^2/NDF: 1443.2/24

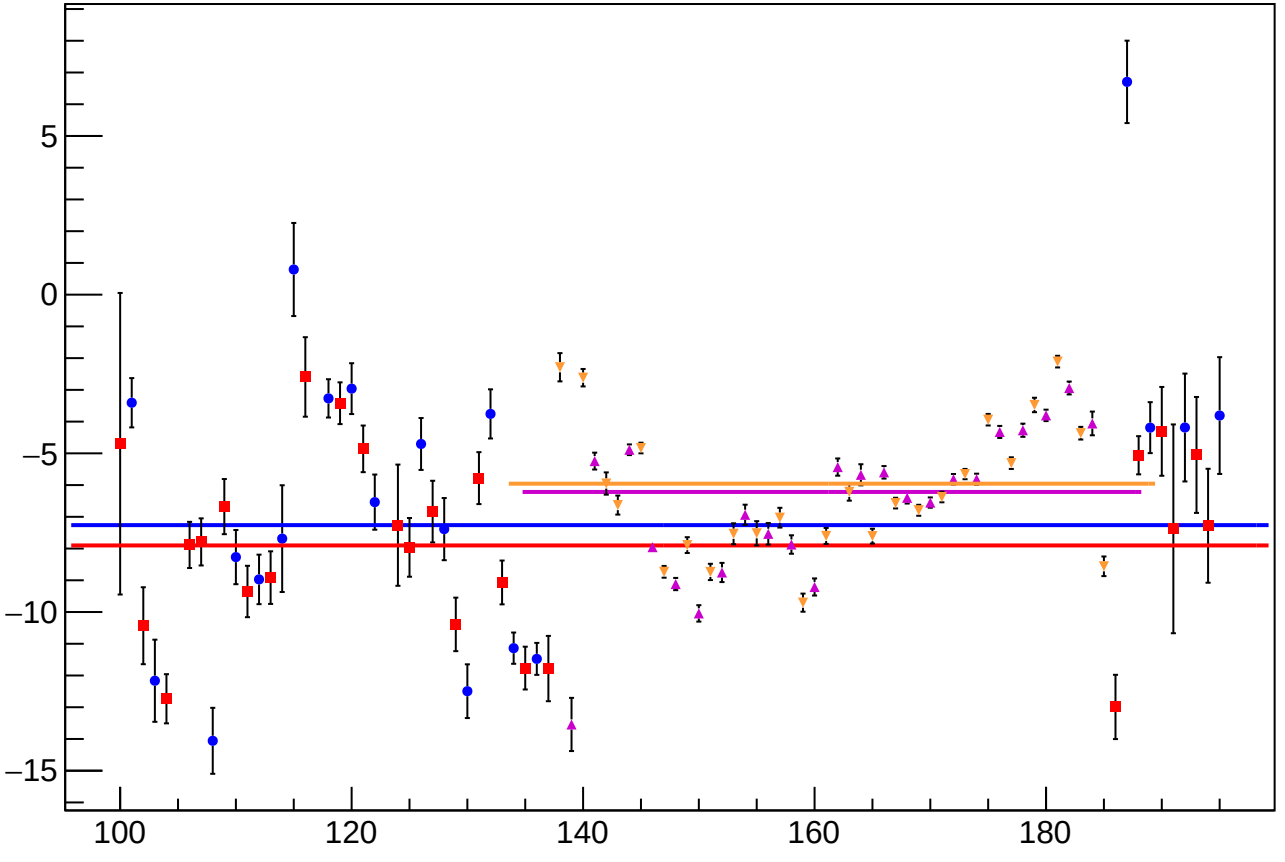
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.480+/-0.054 χ^2/NDF: 7035.3/44

All: -29.192+/-0.038 χ^2/NDF: 13898.2/92

- sign -28.902+/-0.054 χ^2/NDF: 6804.8/47

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: -7.902+/-0.180 χ^2/NDF: 255.4/24

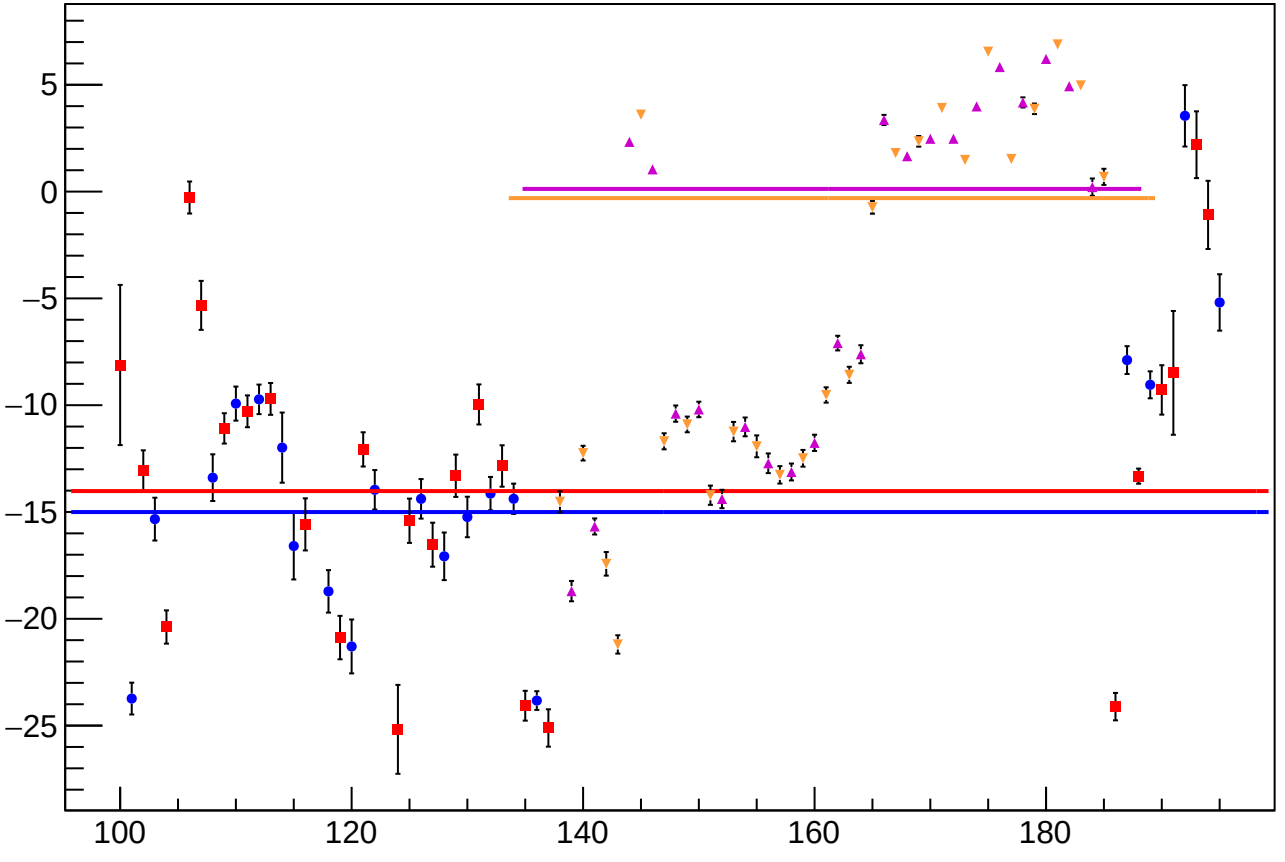
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2433.8/44

All: -6.171+/-0.030 χ^2/NDF: 4535.4/92

- sign -6.312+/-0.043 χ^2/NDF: 2079.6/47

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: -14.021+/-0.169 χ^2/NDF: 1462.1/24

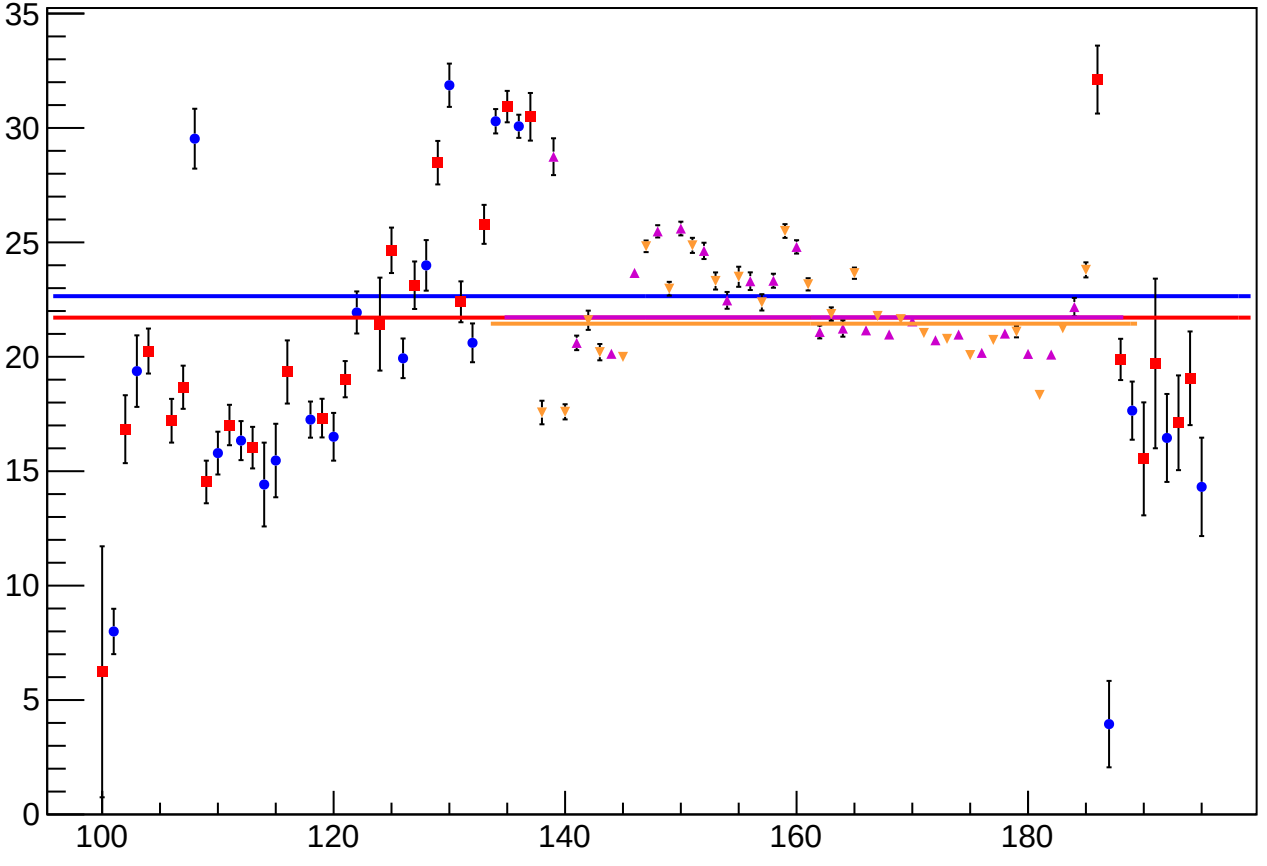
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.543+/-0.054 χ^2/NDF: 23990.6/44

All: -1.430+/-0.038 χ^2/NDF: 45580.5/92

- sign -1.318+/-0.054 χ^2/NDF: 21581.2/47

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: 21.712+/-0.212 χ^2/NDF: 624.6/24

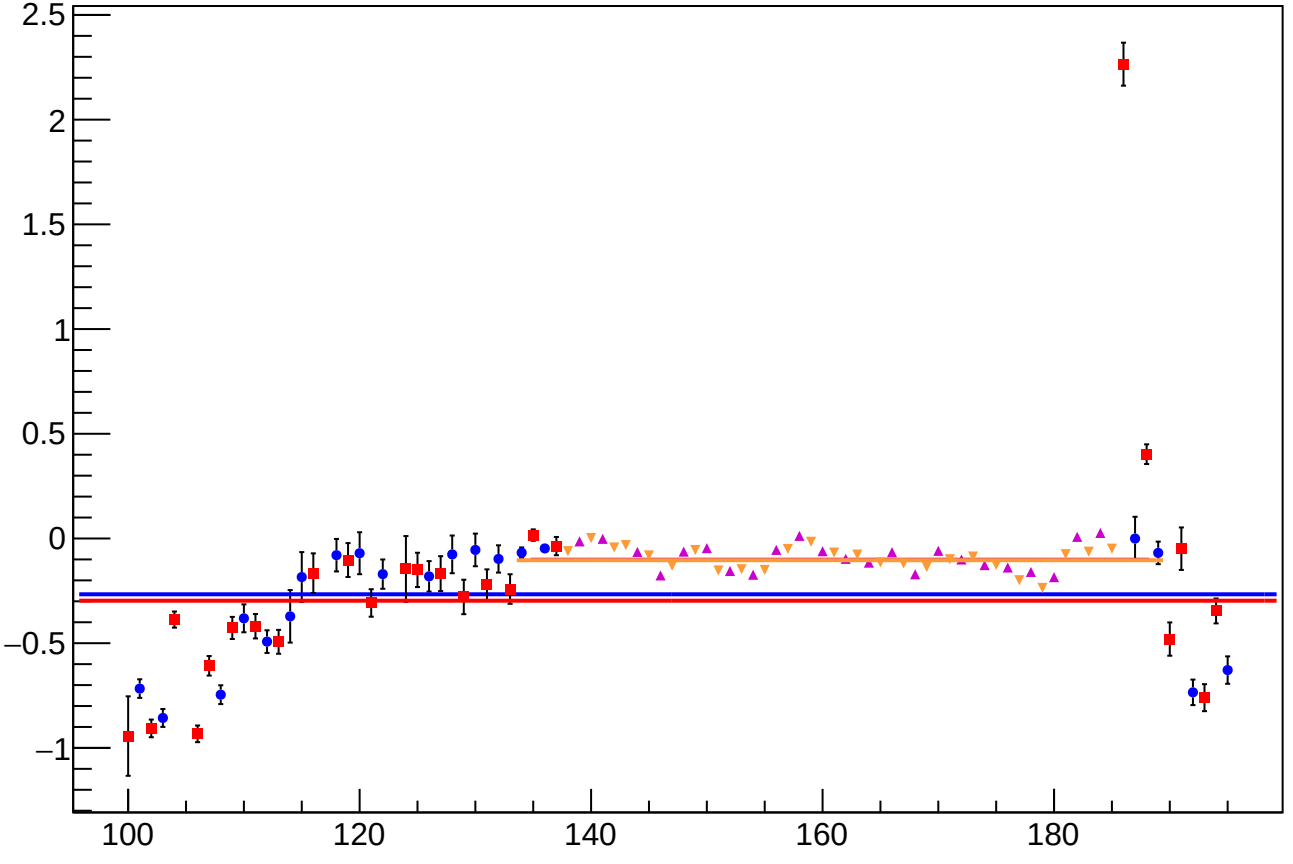
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.509+/-0.048 χ^2/NDF: 2509.7/44

All: 21.617+/-0.034 χ^2/NDF: 4318.0/92

- sign 21.725+/-0.048 χ^2/NDF: 1798.3/47

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: -0.297+/-0.011 χ^2/NDF: 1640.2/24

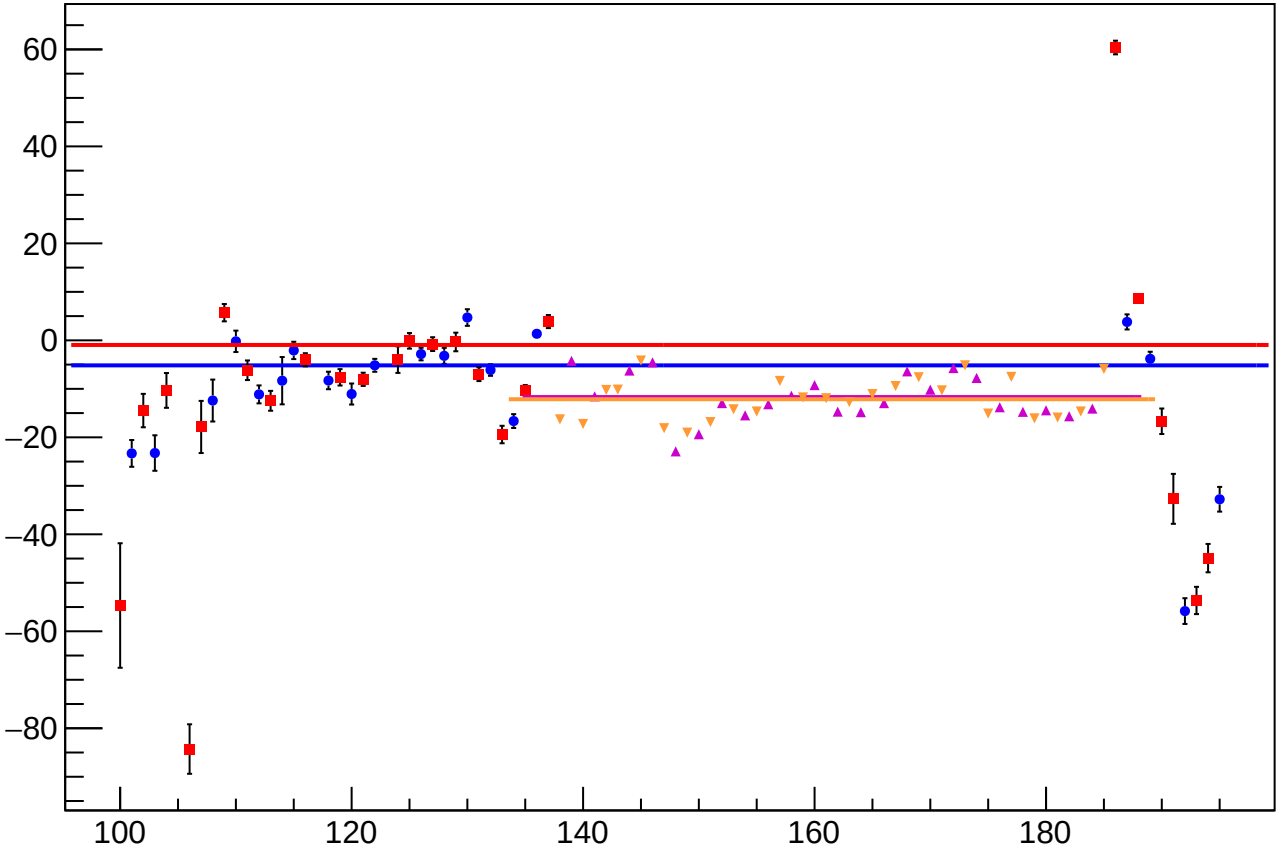
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.110+/-0.002 χ^2/NDF: 1503.8/44

All: -0.109+/-0.002 χ^2/NDF: 4192.5/92

- sign -0.109+/-0.002 χ^2/NDF: 2688.4/47

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: -0.950+/-0.344 χ^2/NDF: 3314.1/24

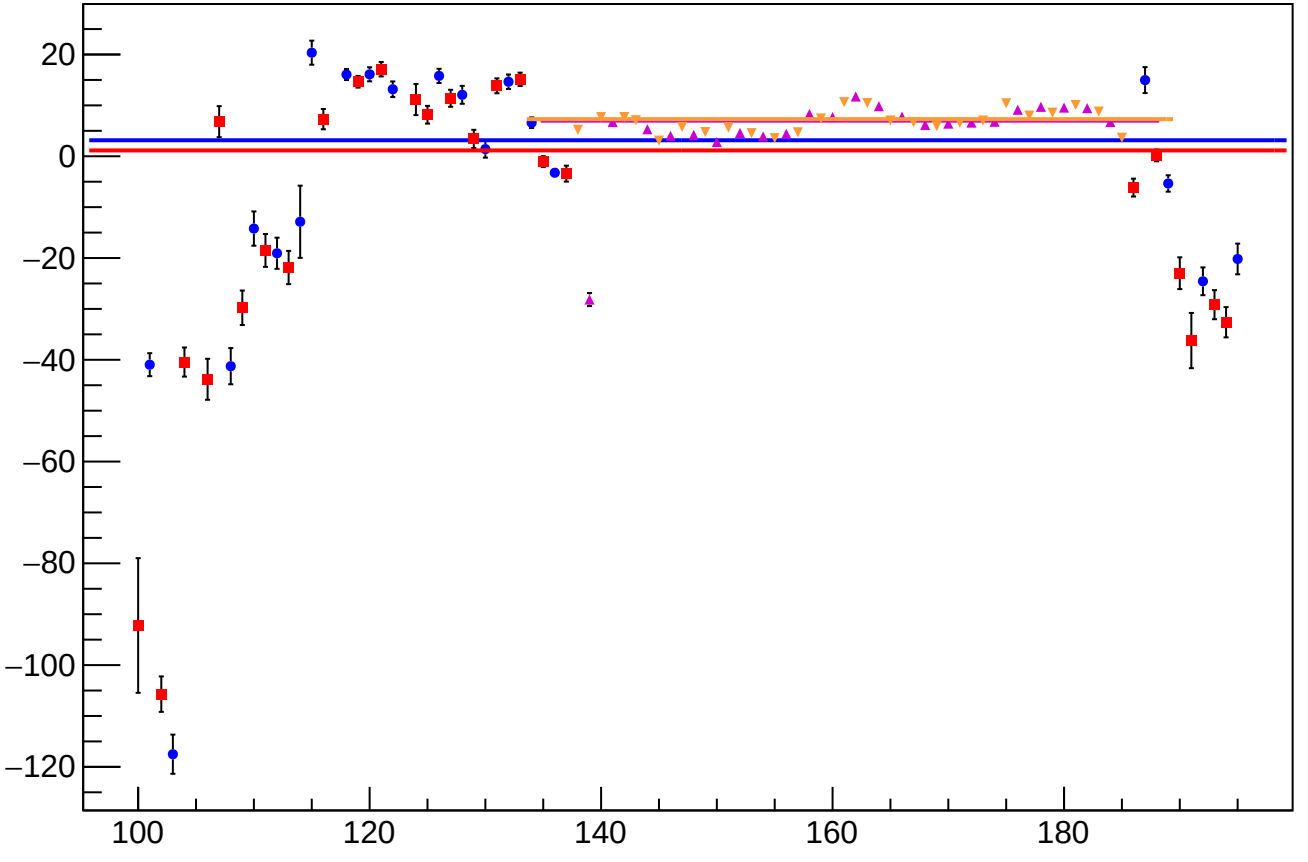
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.702+/-0.089 χ^2/NDF: 3308.4/44

All: -11.336+/-0.063 χ^2/NDF: 9514.7/92

- sign -10.949+/-0.091 χ^2/NDF: 6171.0/47

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: 1.149+/-0.377 χ^2/NDF: 2410.8/24

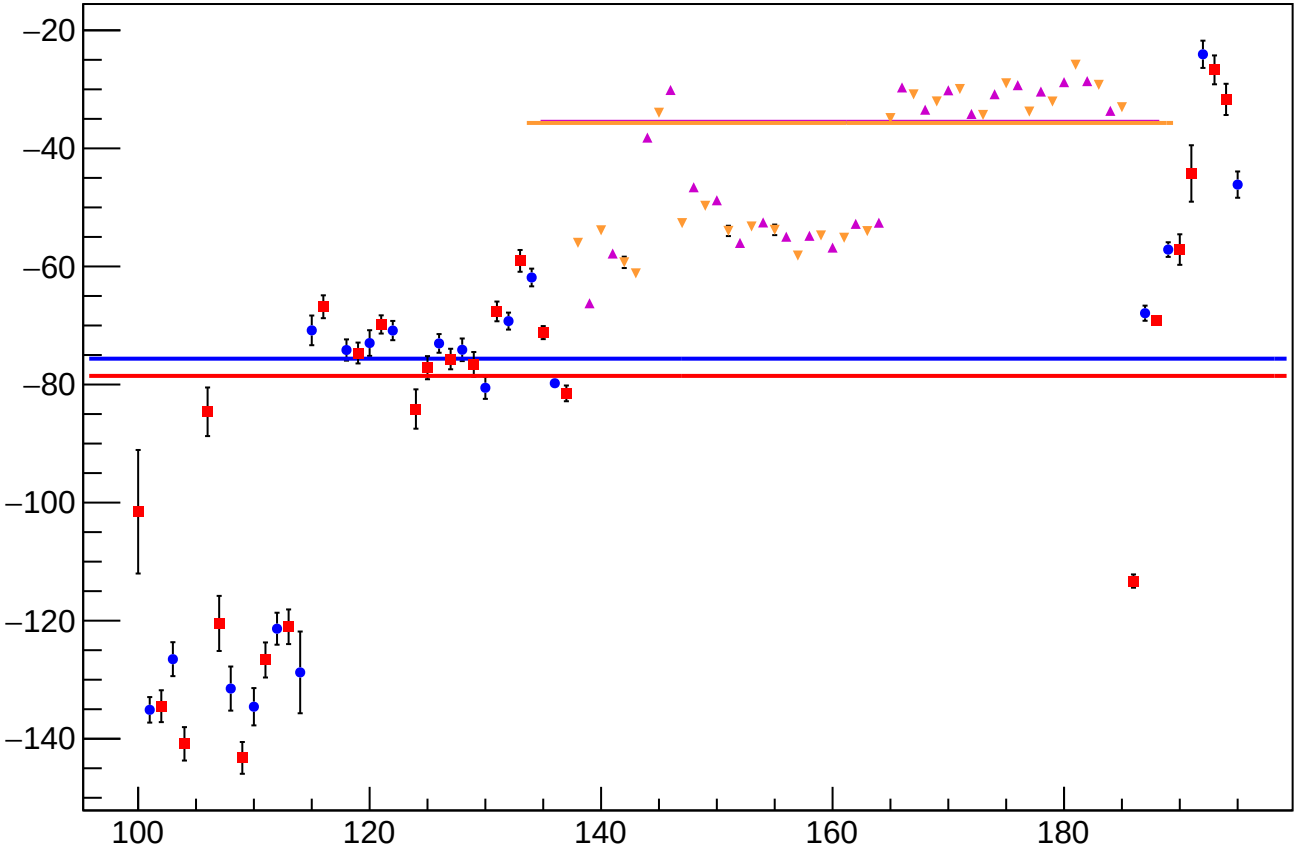
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.128+/-0.073 χ^2/NDF: 3337.2/44

All: 6.955+/-0.052 χ^2/NDF: 7567.6/92

- sign 6.775+/-0.075 χ^2/NDF: 4219.0/47

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: -78.538+/-0.348 χ^2/NDF: 4372.1/24

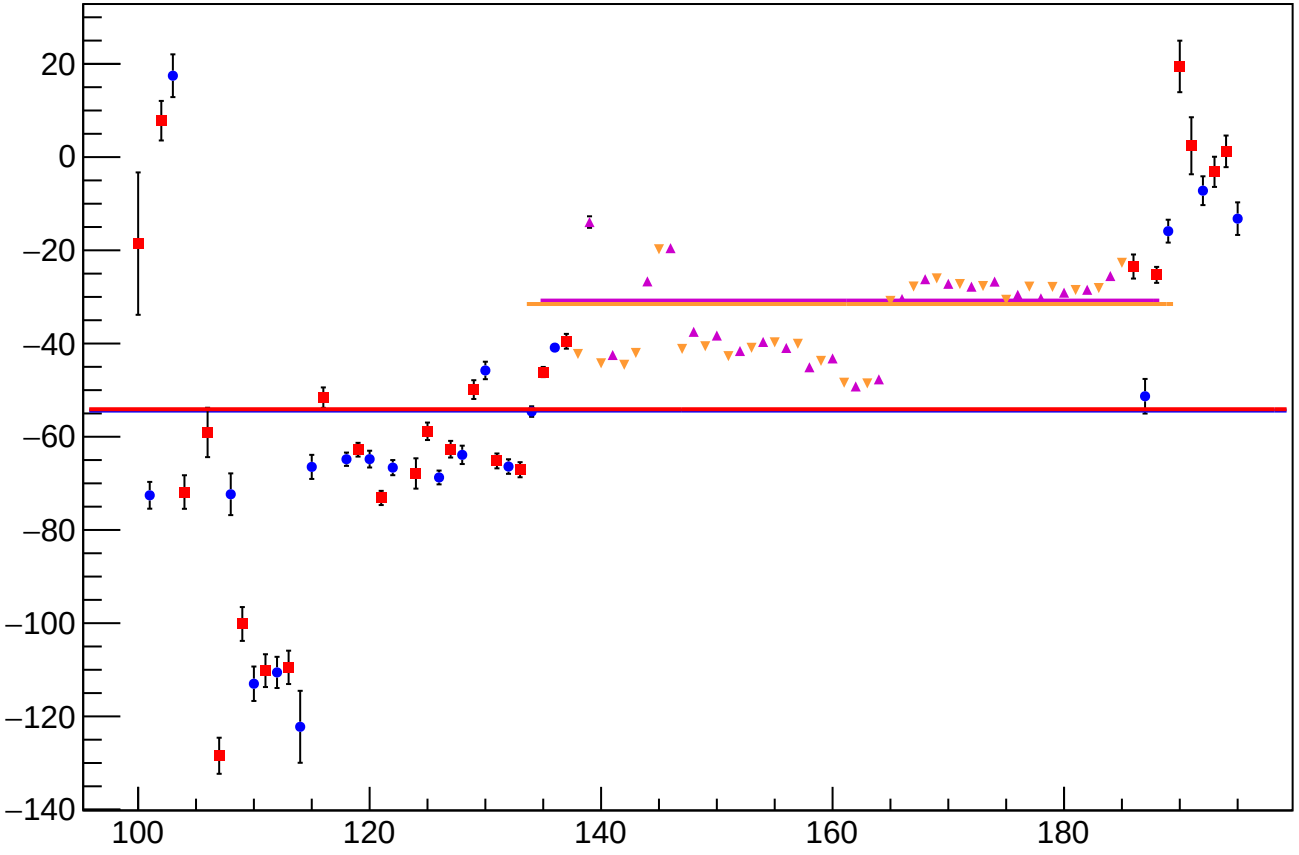
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.055+/-0.089 χ^2/NDF: 26964.8/44

All: -38.255+/-0.064 χ^2/NDF: 56781.1/92

\- sign -38.463+/-0.091 χ^2/NDF: 29806.2/47

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: -54.097+/-0.436 χ^2/NDF: 2961.8/24

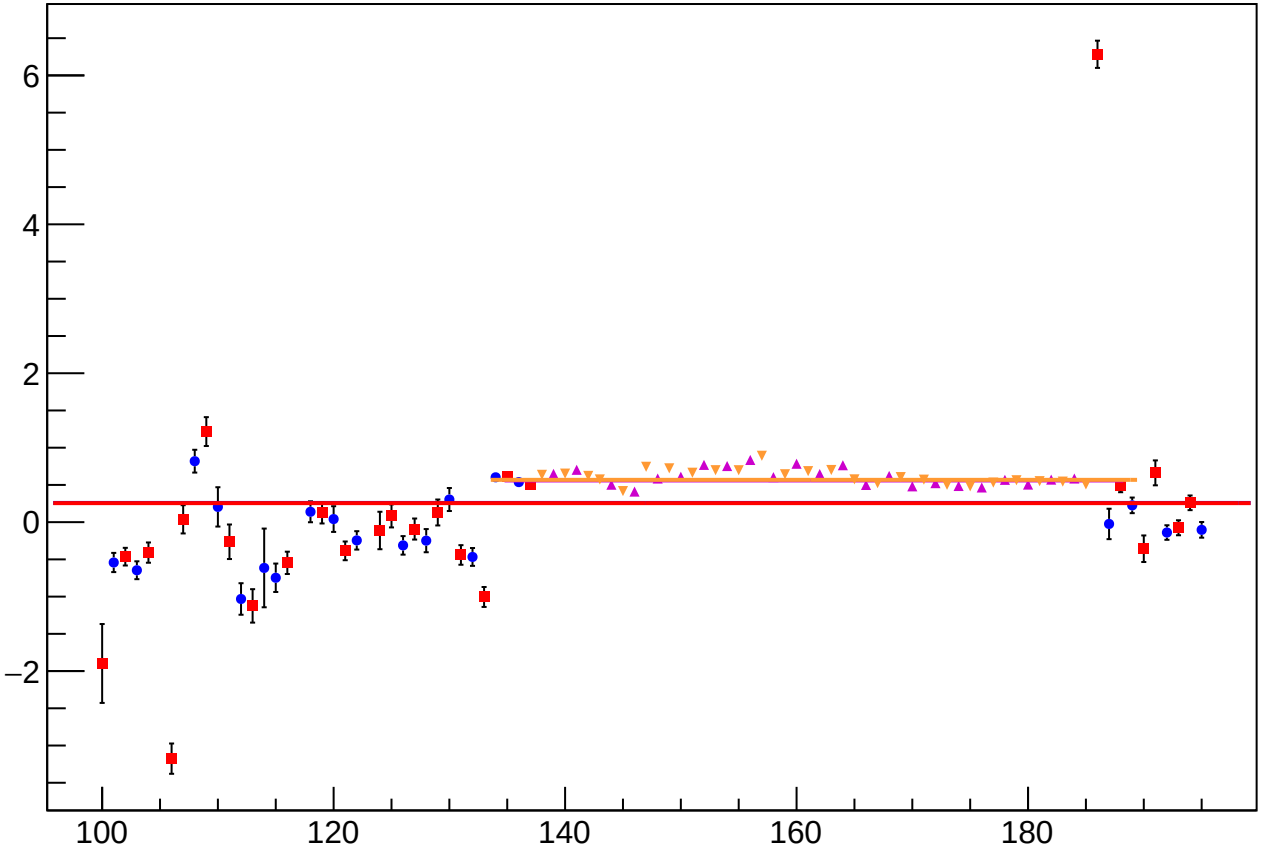
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.415+/-0.081 χ^2/NDF: 13628.4/44

All: -32.030+/-0.058 χ^2/NDF: 26939.3/92

- sign -31.629+/-0.083 χ^2/NDF: 13264.9/47

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: 0.256+/-0.023 χ^2/NDF: 1816.9/24

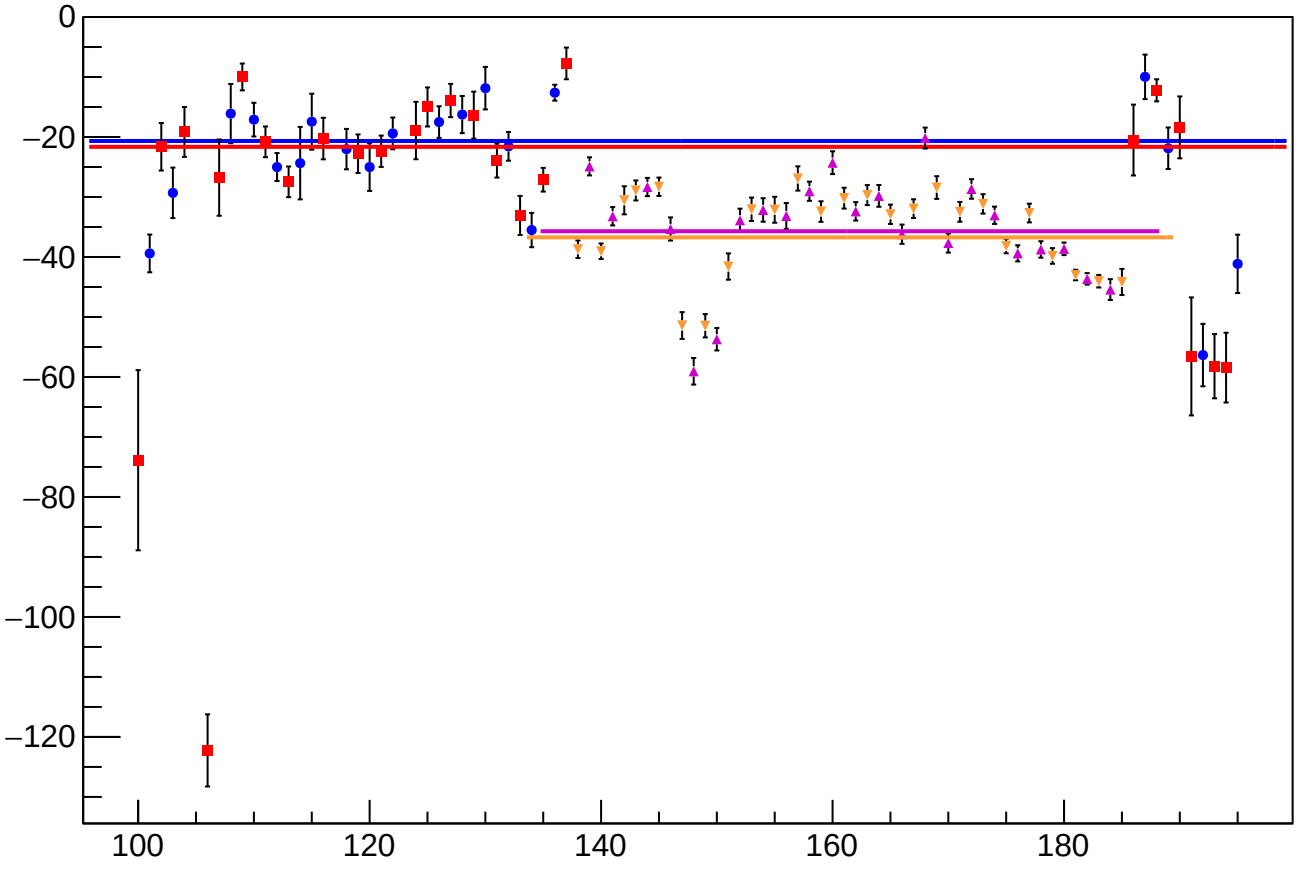
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1169.8/44

All: 0.556+/-0.003 χ^2/NDF: 3828.2/92

- sign 0.552+/-0.004 χ^2/NDF: 2656.5/47

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: -21.638+/-0.645 χ^2/NDF: 514.4/24

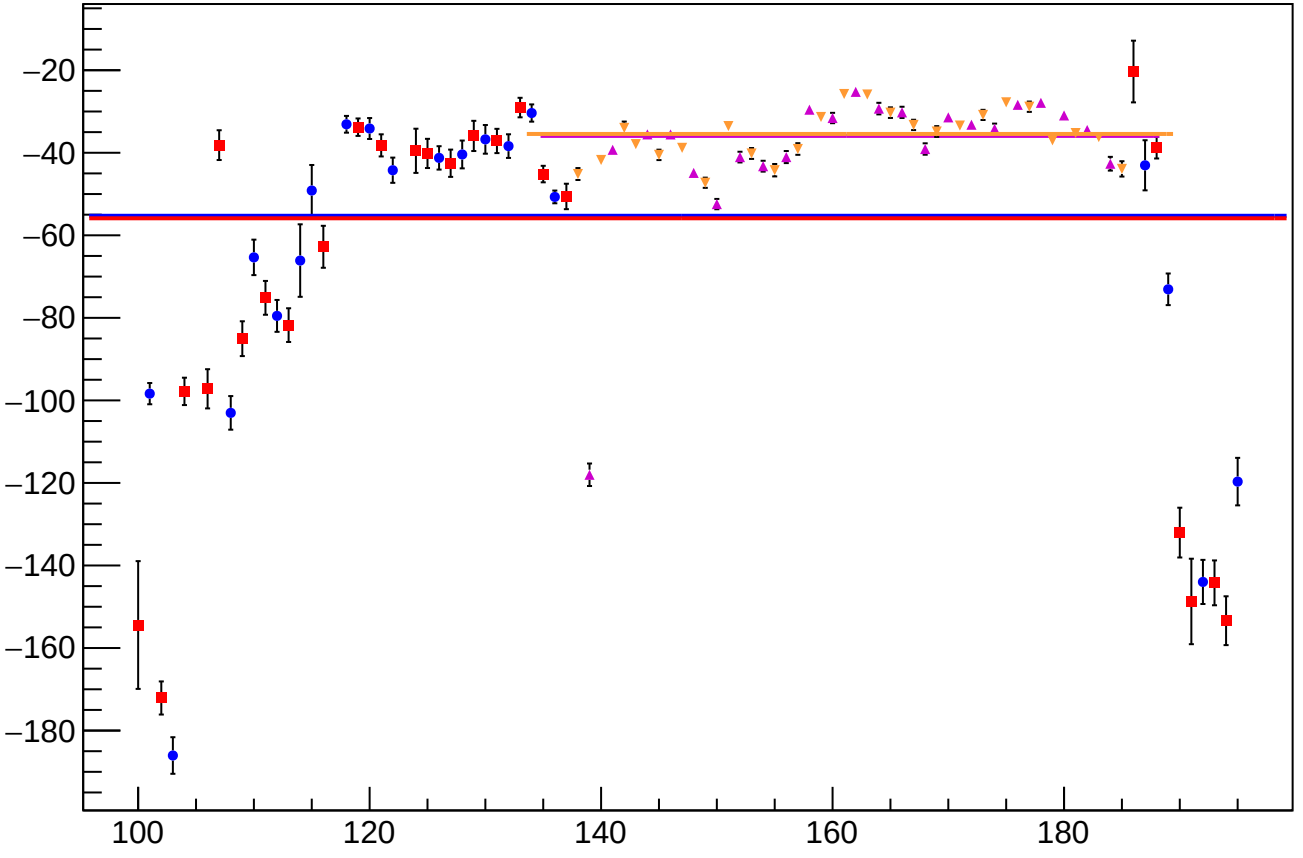
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

\+ sign -33.807+/-0.281 χ^2/NDF: 1102.7/44

All: -33.360+/-0.201 χ^2/NDF: 2580.7/92

\- sign -32.887+/-0.289 χ^2/NDF: 1472.8/47

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: -55.877+/-0.699 χ^2/NDF: 2521.2/24

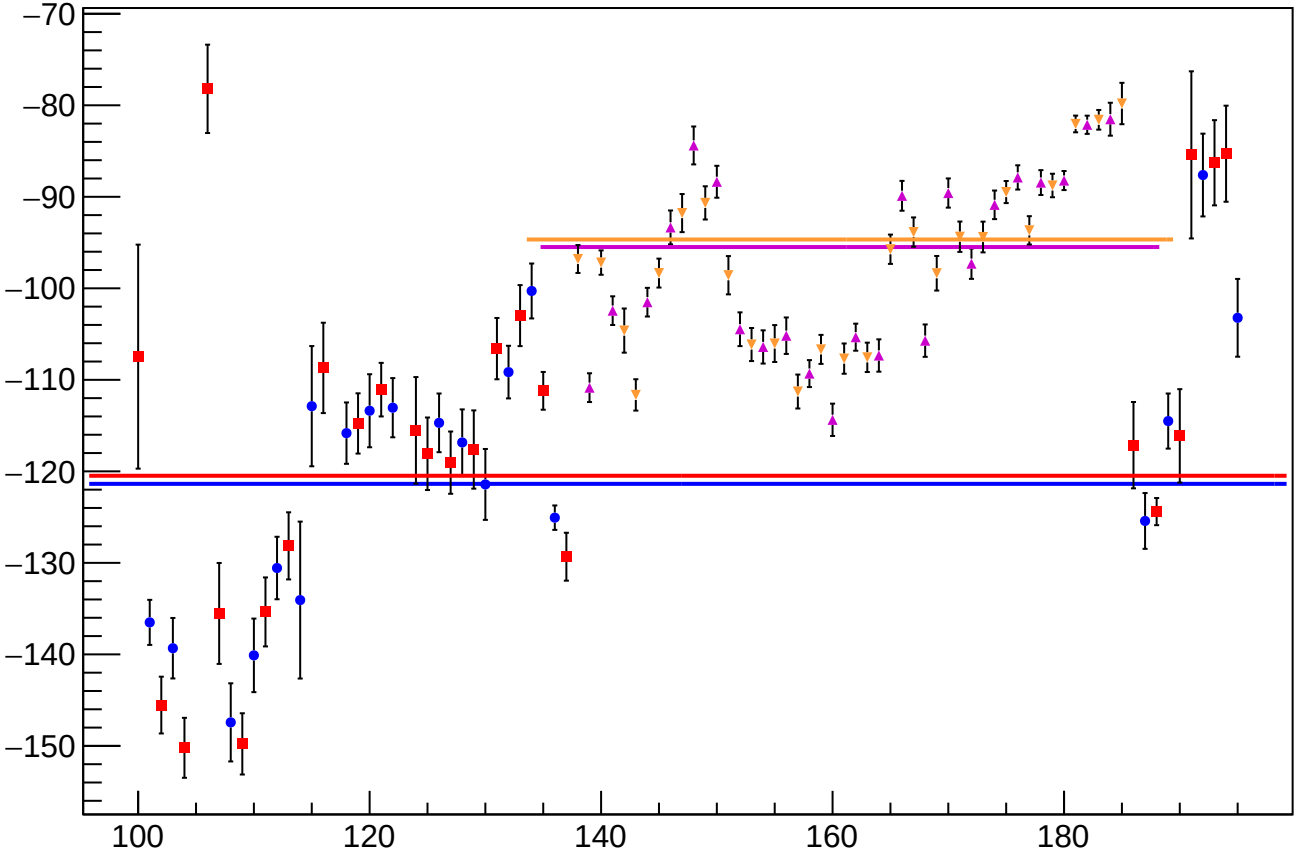
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.711+/-0.230 χ^2/NDF: 3510.0/44

All: -37.983+/-0.166 χ^2/NDF: 8297.0/92

- sign -38.279+/-0.240 χ^2/NDF: 4784.1/47

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: -120.482+/-0.676 χ^2/NDF: 548.5/24

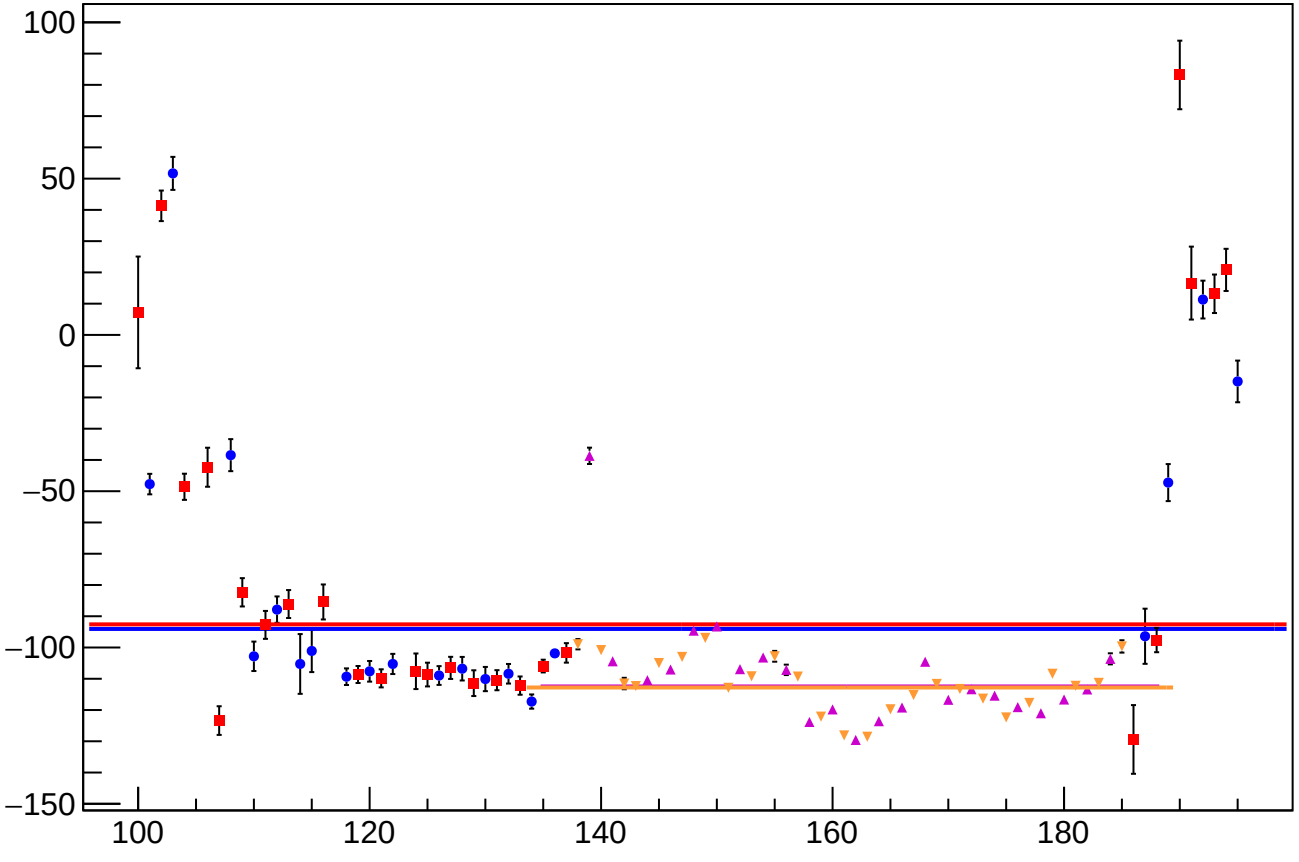
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.143+/-0.283 χ^2/NDF: 2458.9/44

All: -99.607+/-0.202 χ^2/NDF: 5099.0/92

- sign -100.095+/-0.290 χ^2/NDF: 2634.6/47

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: -92.599+/-0.804 χ^2/NDF: 2205.1/24

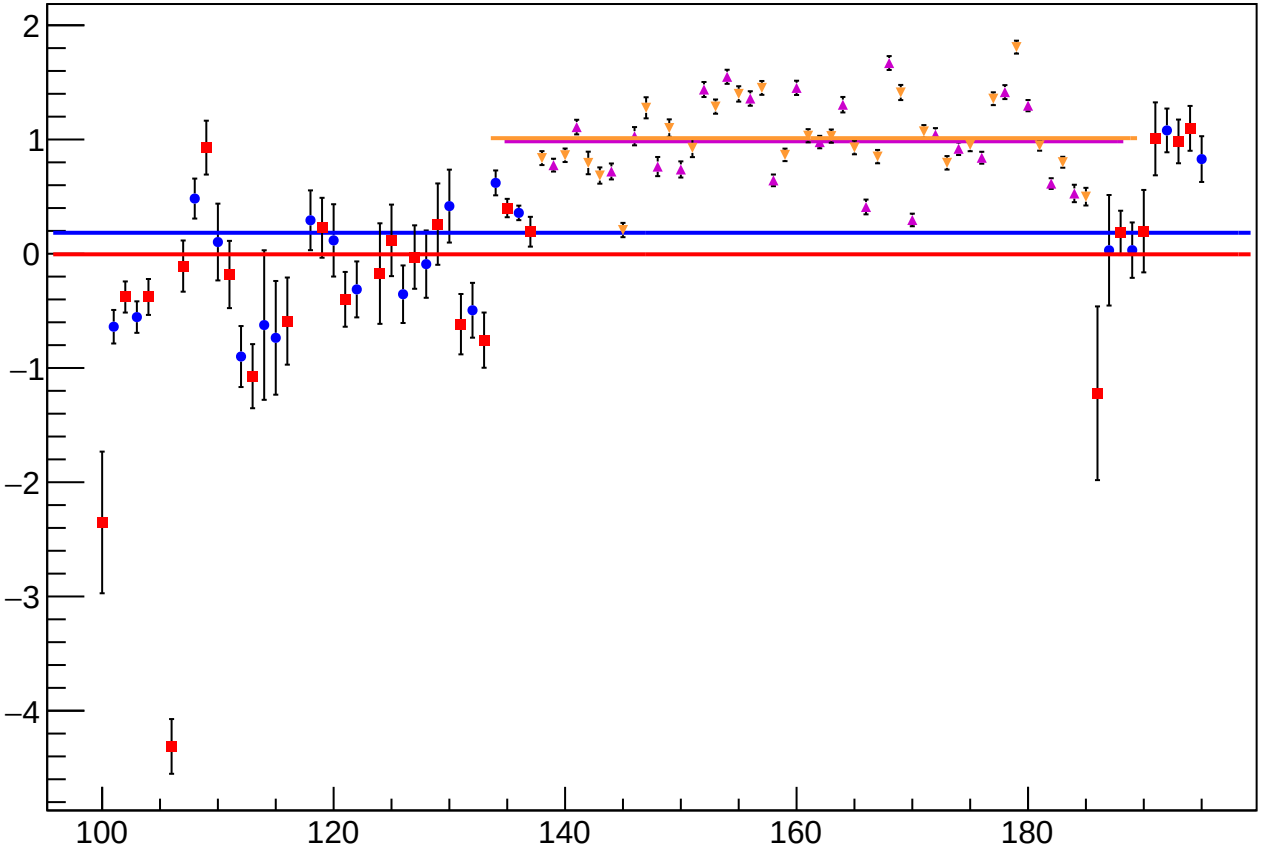
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.694+/-0.258 χ^2/NDF: 3320.7/44

All: -110.481+/-0.186 χ^2/NDF: 7858.1/92

- sign -110.251+/-0.268 χ^2/NDF: 4536.0/47

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: -0.005+/-0.041 χ^2/NDF: 502.9/24

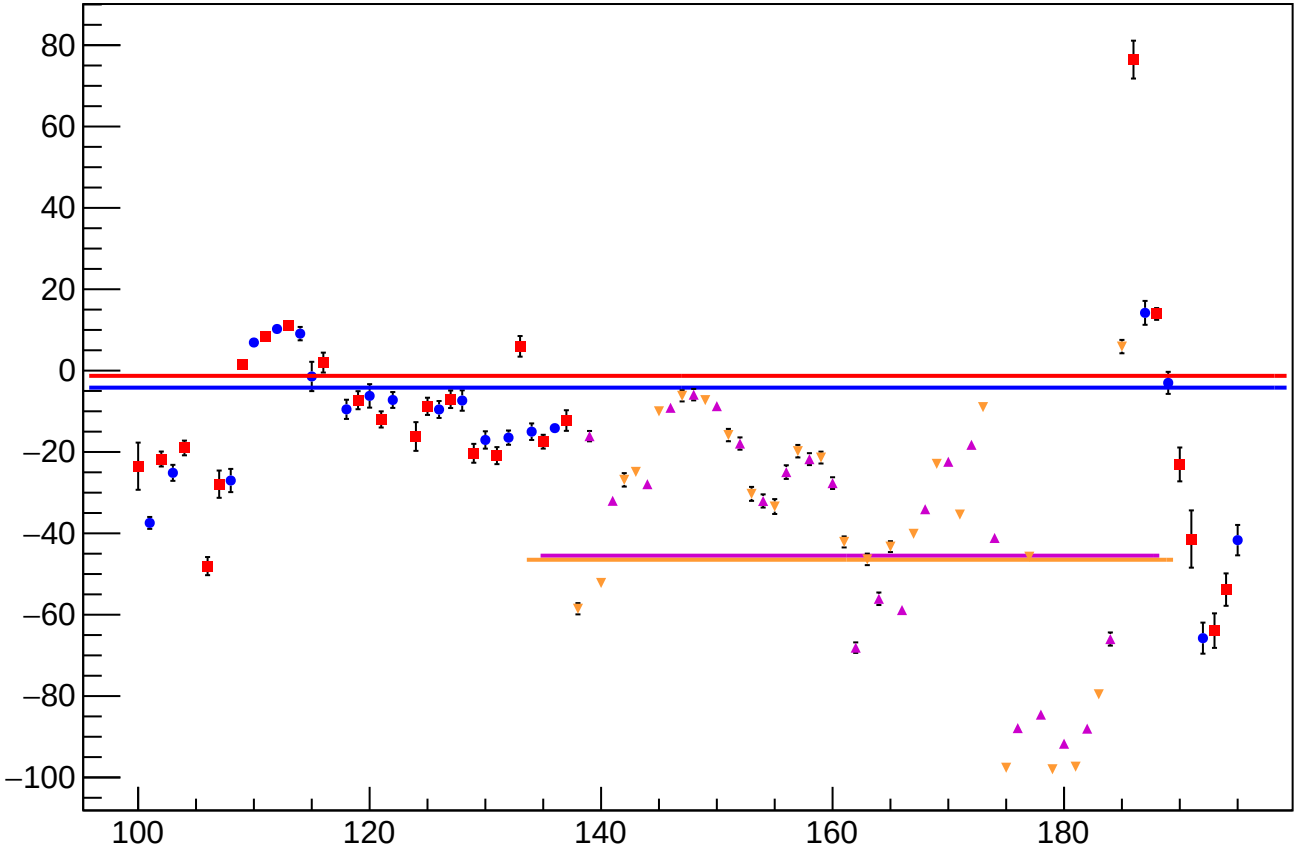
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1263.2/44

All: 0.919+/-0.008 χ^2/NDF: 3204.0/92

- sign 0.899+/-0.012 χ^2/NDF: 1935.8/47

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: -1.286+/-0.325 χ^2/NDF: 2365.9/24

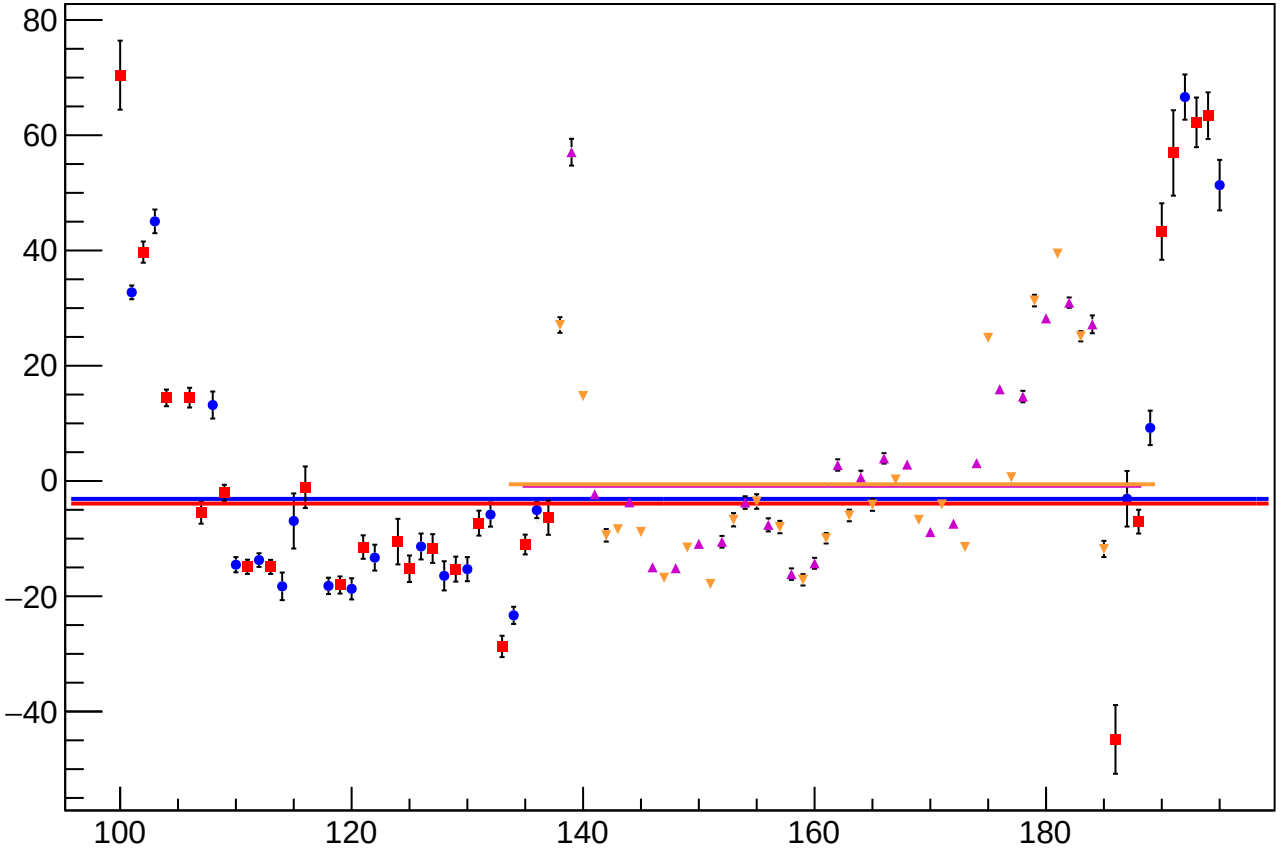
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.541+/-0.195 χ^2/NDF: 31531.3/44

All: -32.288+/-0.137 χ^2/NDF: 61767.3/92

- sign -30.103+/-0.192 χ^2/NDF: 29972.8/47

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: -3.916+/-0.407 χ^2/NDF: 2243.5/24

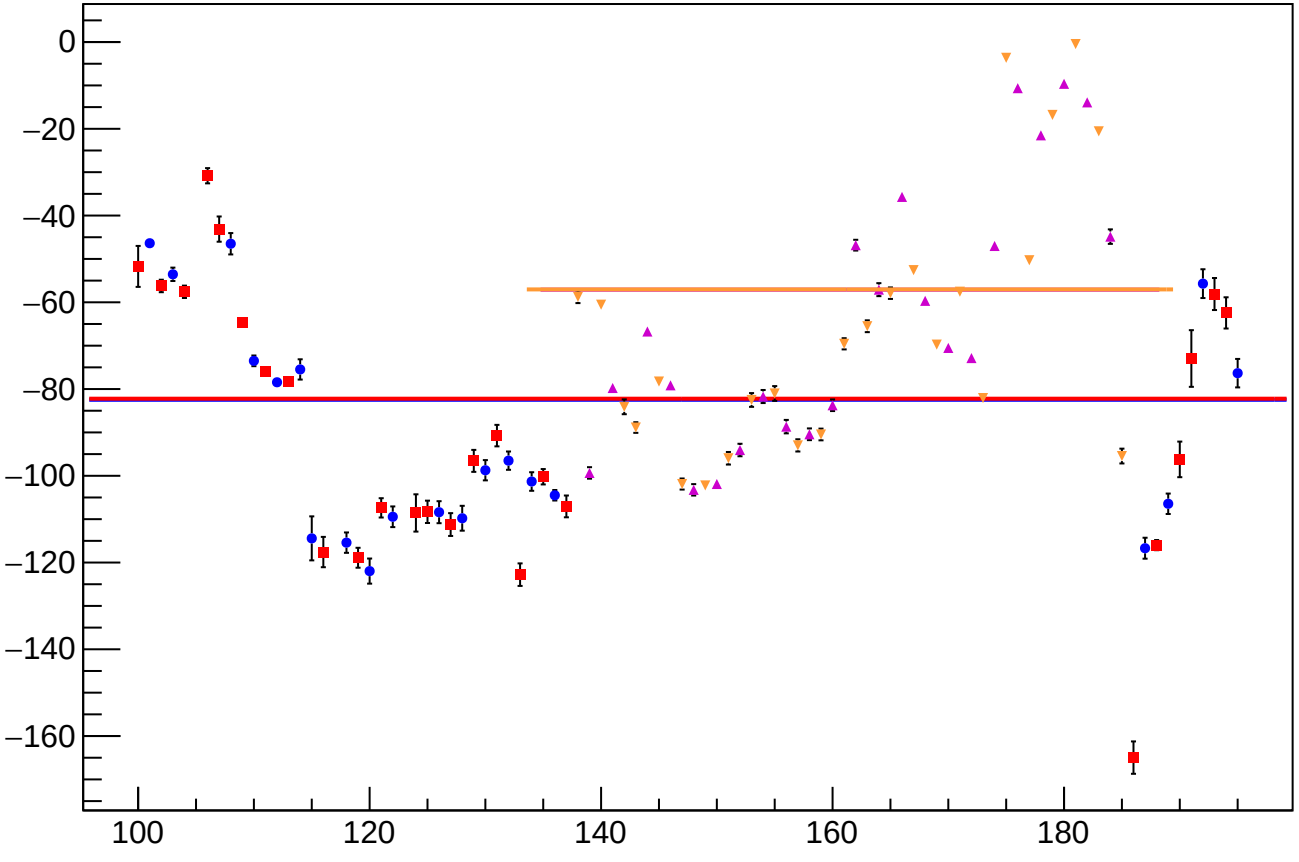
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.955+/-0.163 χ^2/NDF: 11131.5/44

All: -1.147+/-0.117 χ^2/NDF: 19542.4/92

- sign -1.348+/-0.167 χ^2/NDF: 8408.0/47

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: -82.225+/-0.384 χ^2/NDF: 4674.3/24

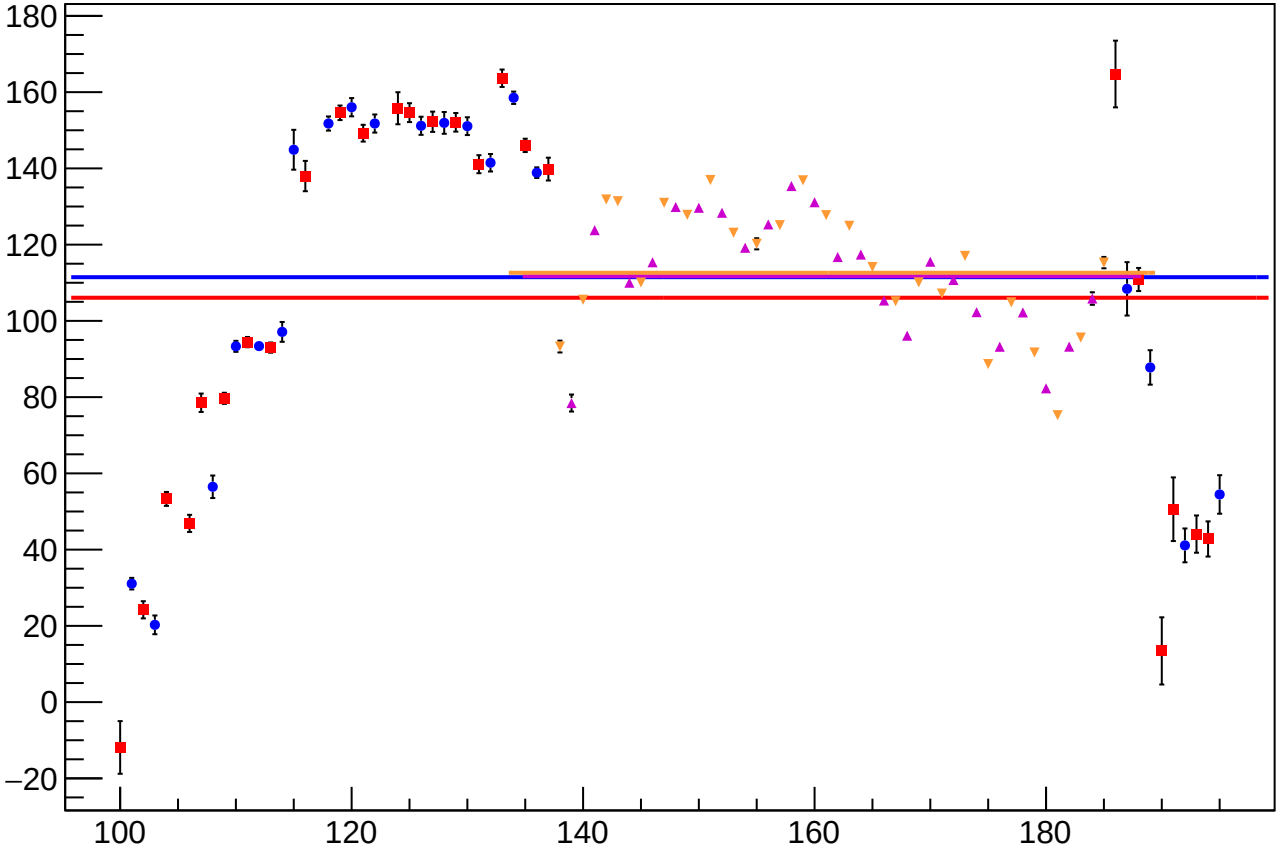
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.950+/-0.201 χ^2/NDF: 26414.1/44

All: -63.481+/-0.142 χ^2/NDF: 51378.3/92

- sign -64.013+/-0.201 χ^2/NDF: 24950.3/47

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: 106.075+/-0.467 χ^2/NDF: 8103.9/24

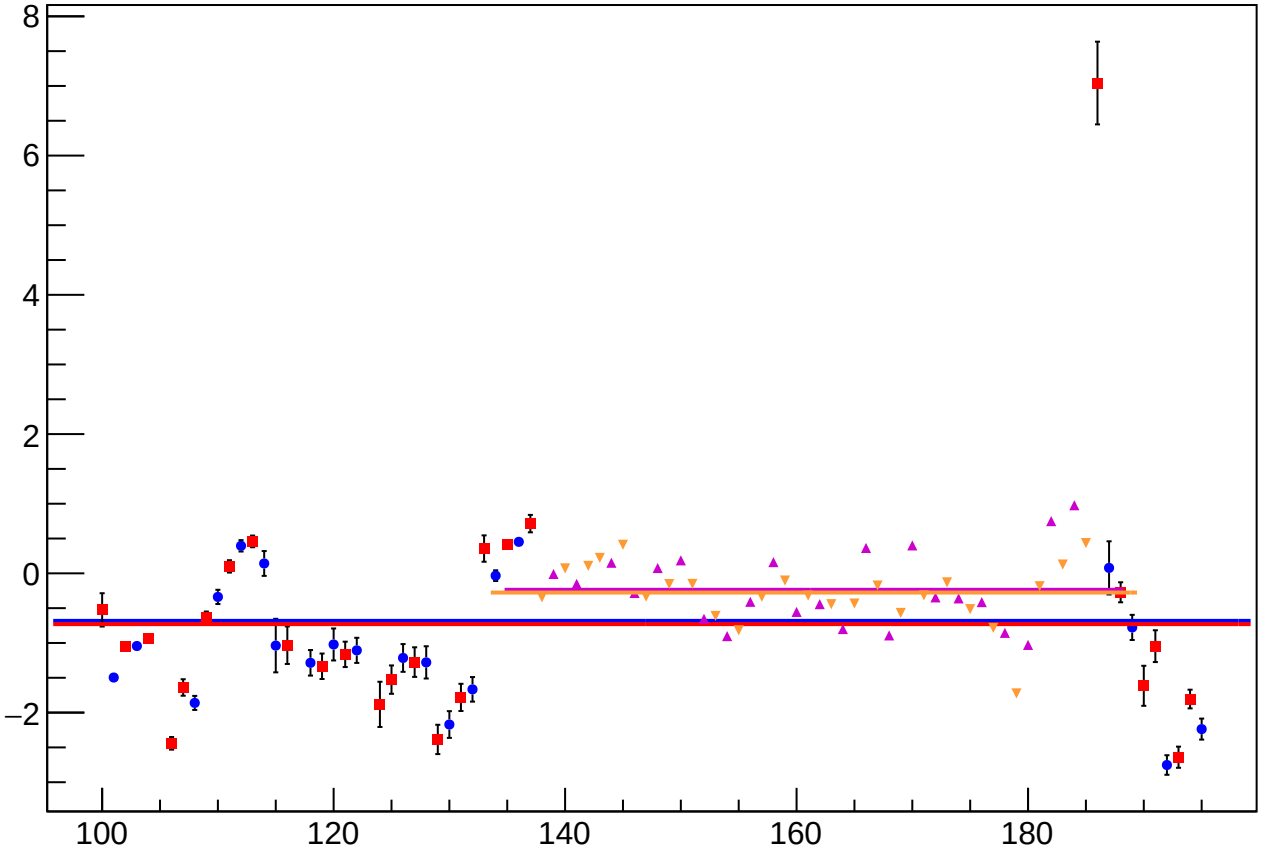
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.453+/-0.185 χ^2/NDF: 15334.8/44

All: 111.644+/-0.132 χ^2/NDF: 28497.2/92

- sign 110.800+/-0.188 χ^2/NDF: 13123.1/47

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: -0.730+/-0.024 χ^2/NDF: 1738.8/24

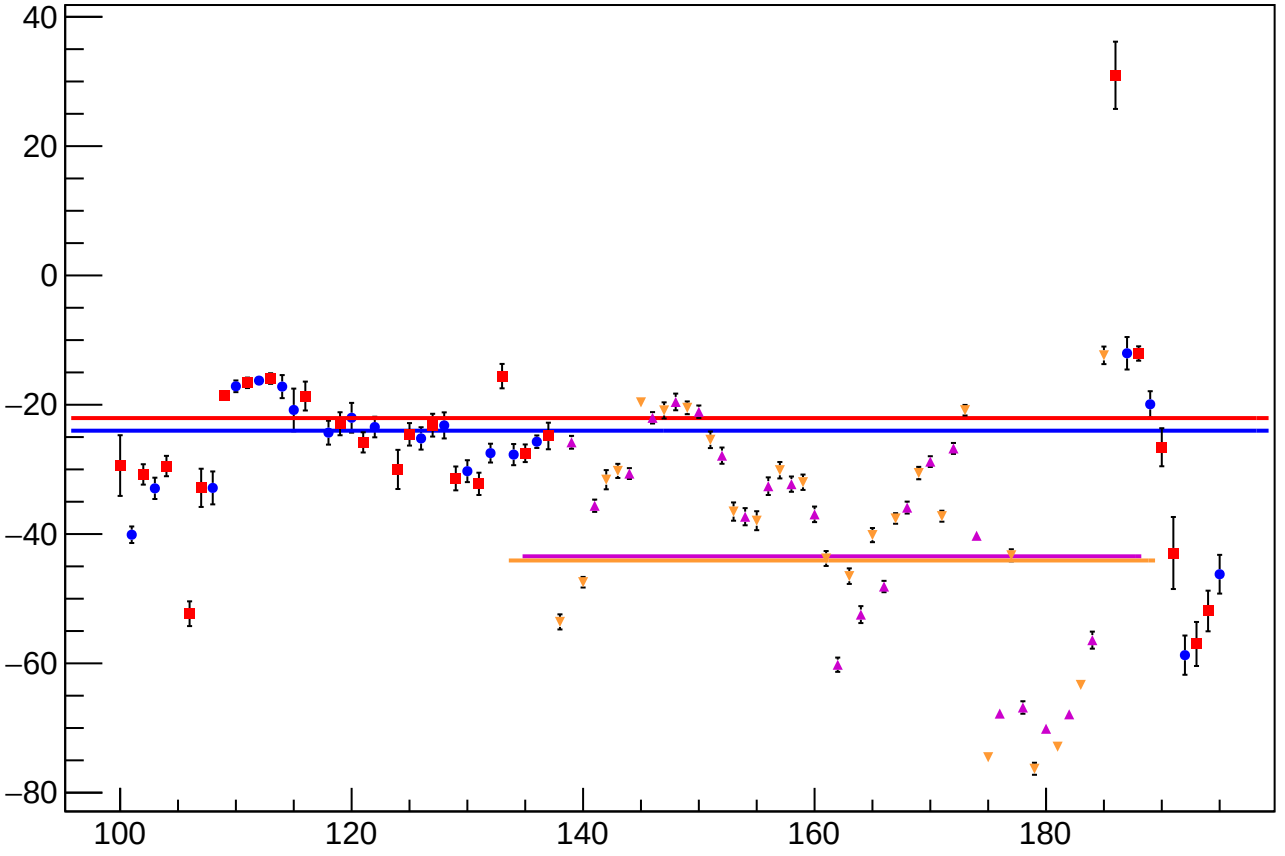
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.323+/-0.008 χ^2/NDF: 3805.7/44

All: -0.312+/-0.006 χ^2/NDF: 8881.1/92

- sign -0.300+/-0.009 χ^2/NDF: 5071.7/47

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: -22.063+/-0.304 χ^2/NDF: 948.9/24

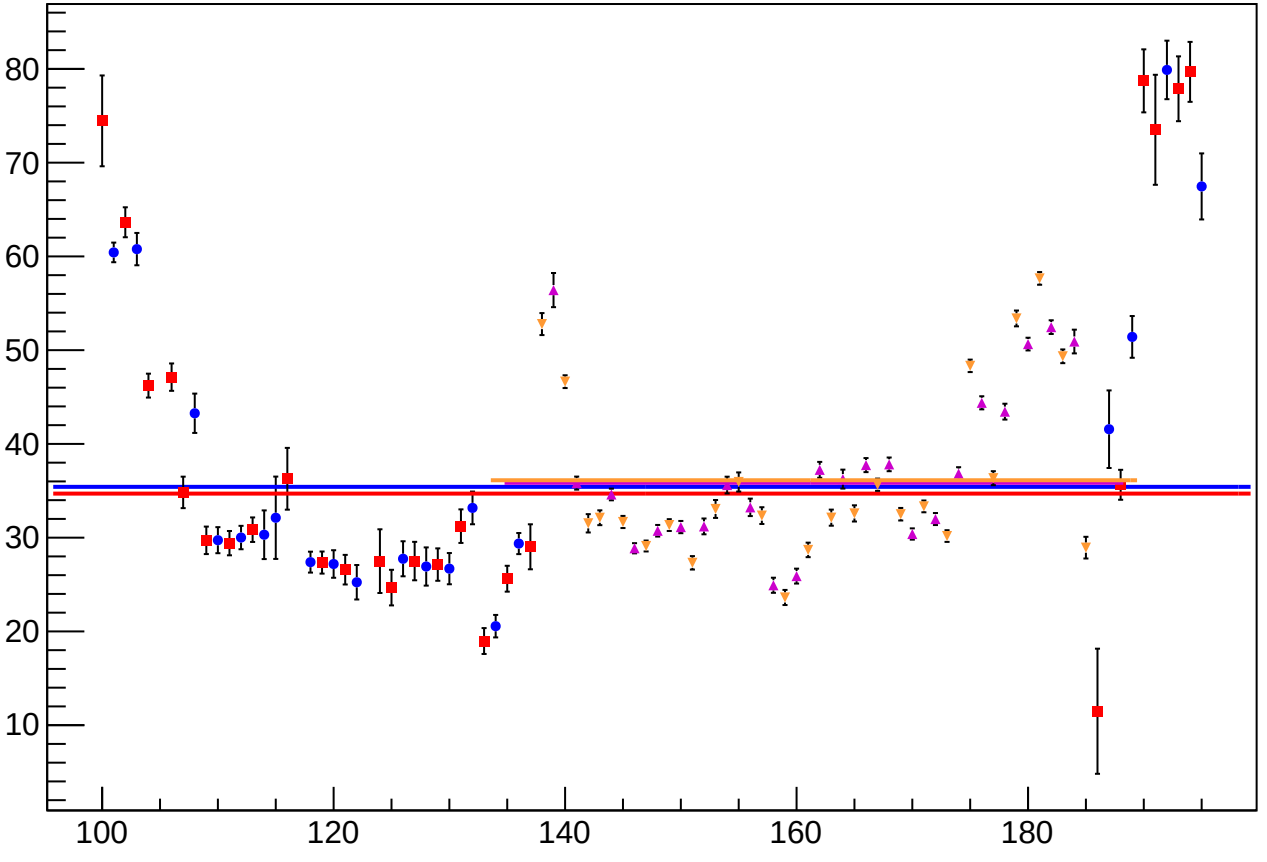
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.102+/-0.167 χ^2/NDF: 13646.4/44

All: -38.062+/-0.118 χ^2/NDF: 25962.8/92

- sign -37.035+/-0.166 χ^2/NDF: 12239.6/47

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: 34.700+/-0.355 χ^2/NDF: 1479.7/24

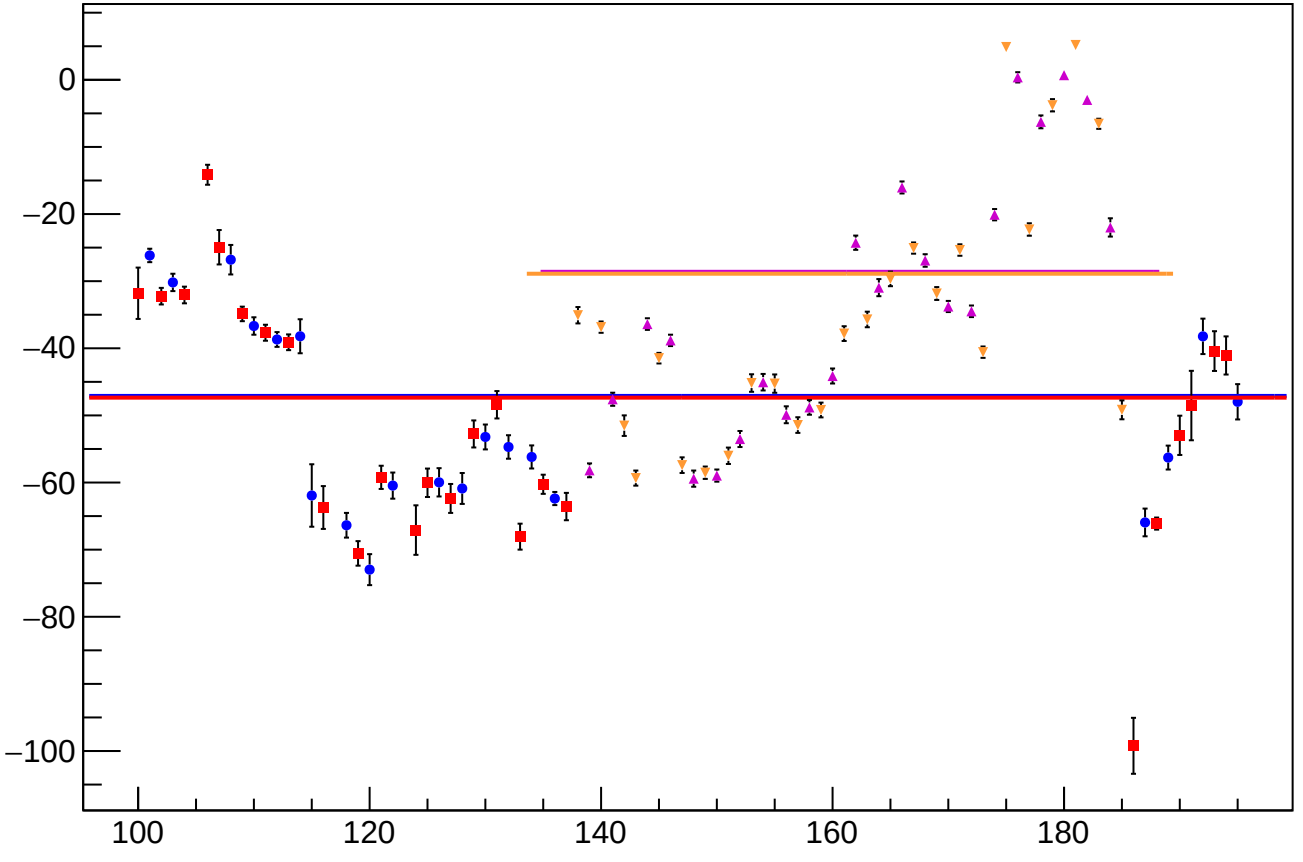
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.021+/-0.139 χ^2/NDF: 5101.9/44

All: 35.849+/-0.099 χ^2/NDF: 8887.1/92

- sign 35.668+/-0.142 χ^2/NDF: 3782.0/47

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: -47.352+/-0.340 χ^2/NDF: 2359.0/24

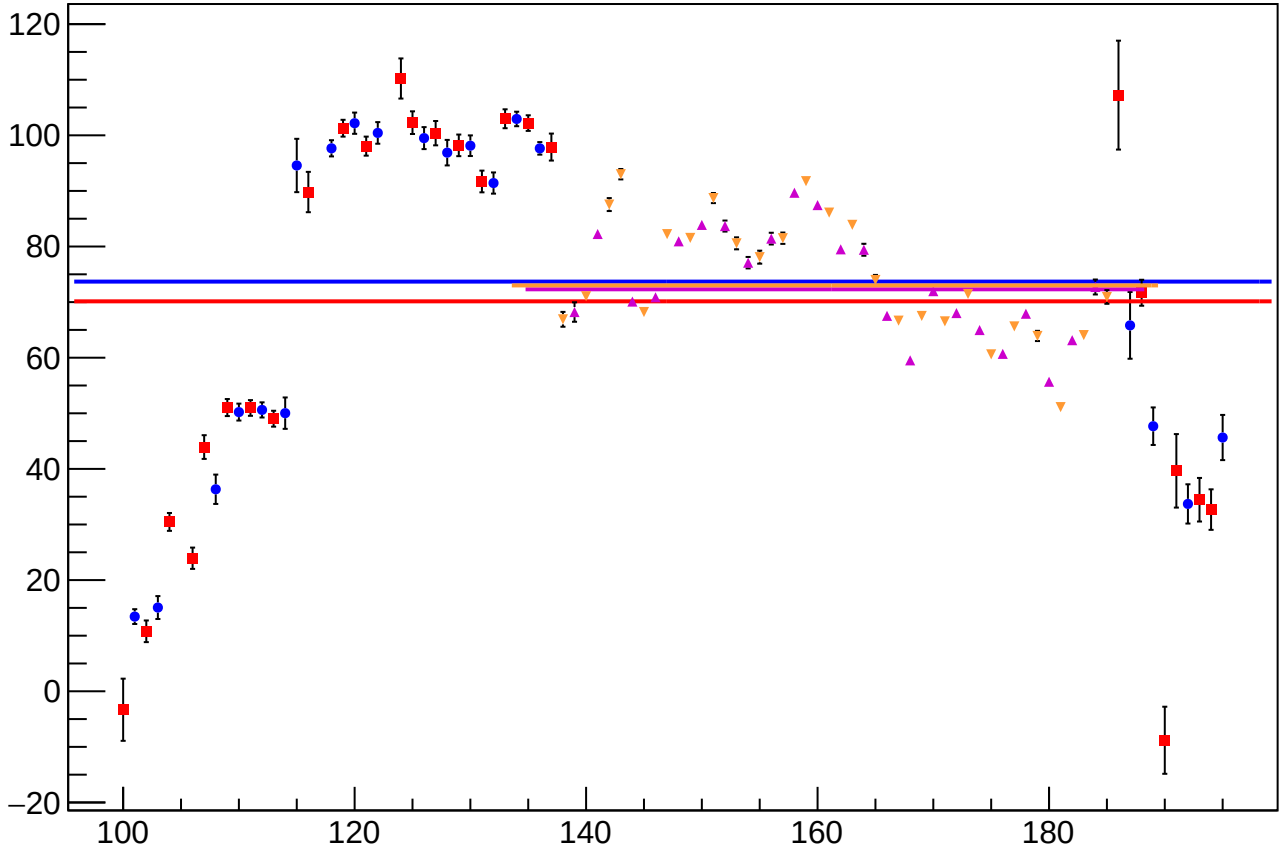
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.825+/-0.171 χ^2/NDF: 15342.5/44

All: -33.089+/-0.121 χ^2/NDF: 29997.1/92

- sign -33.354+/-0.171 χ^2/NDF: 14649.8/47

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: 70.139+/-0.412 χ^2/NDF: 6033.7/24

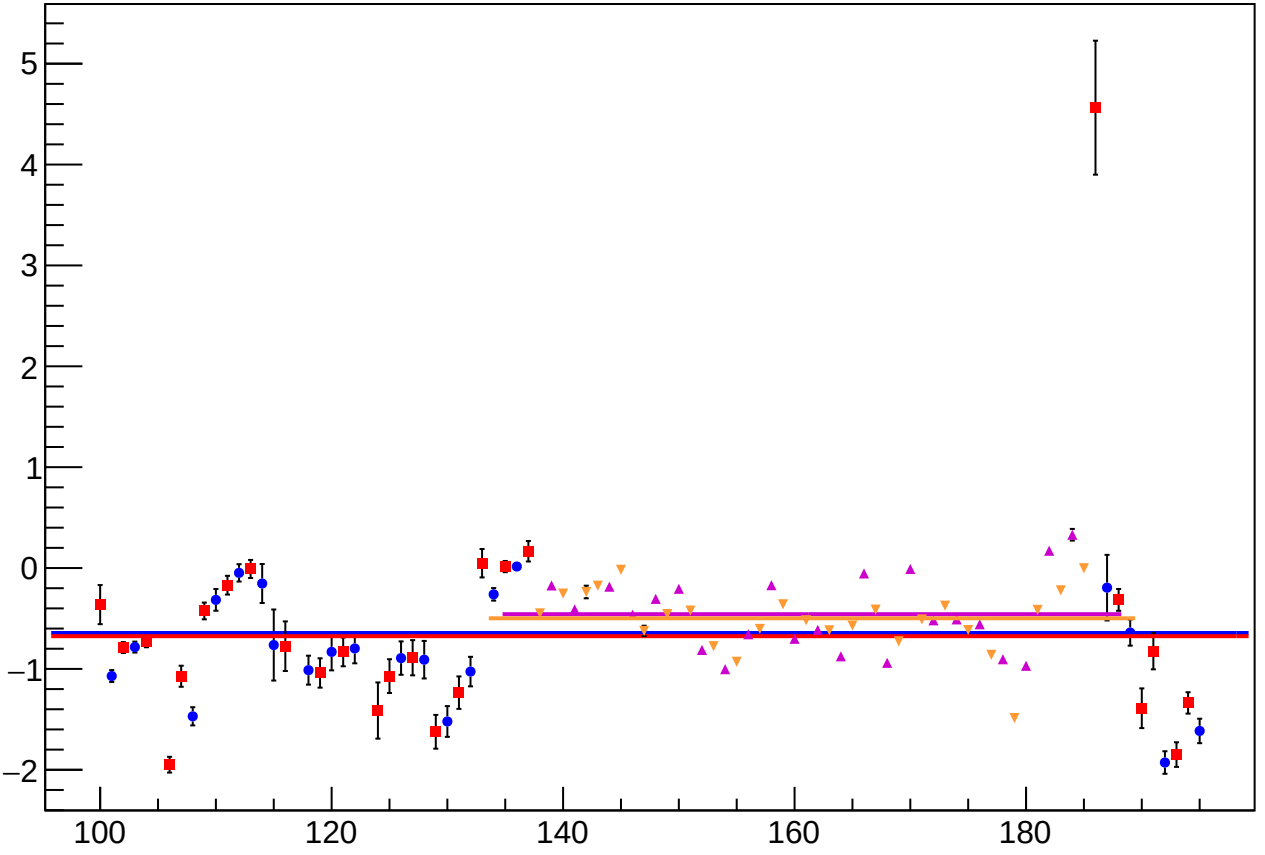
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.098+/-0.156 χ^2/NDF: 10130.0/44

All: 72.550+/-0.112 χ^2/NDF: 19125.0/92

- sign 71.976+/-0.160 χ^2/NDF: 8969.8/47

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: -0.675+/-0.021 χ^2/NDF: 915.8/24

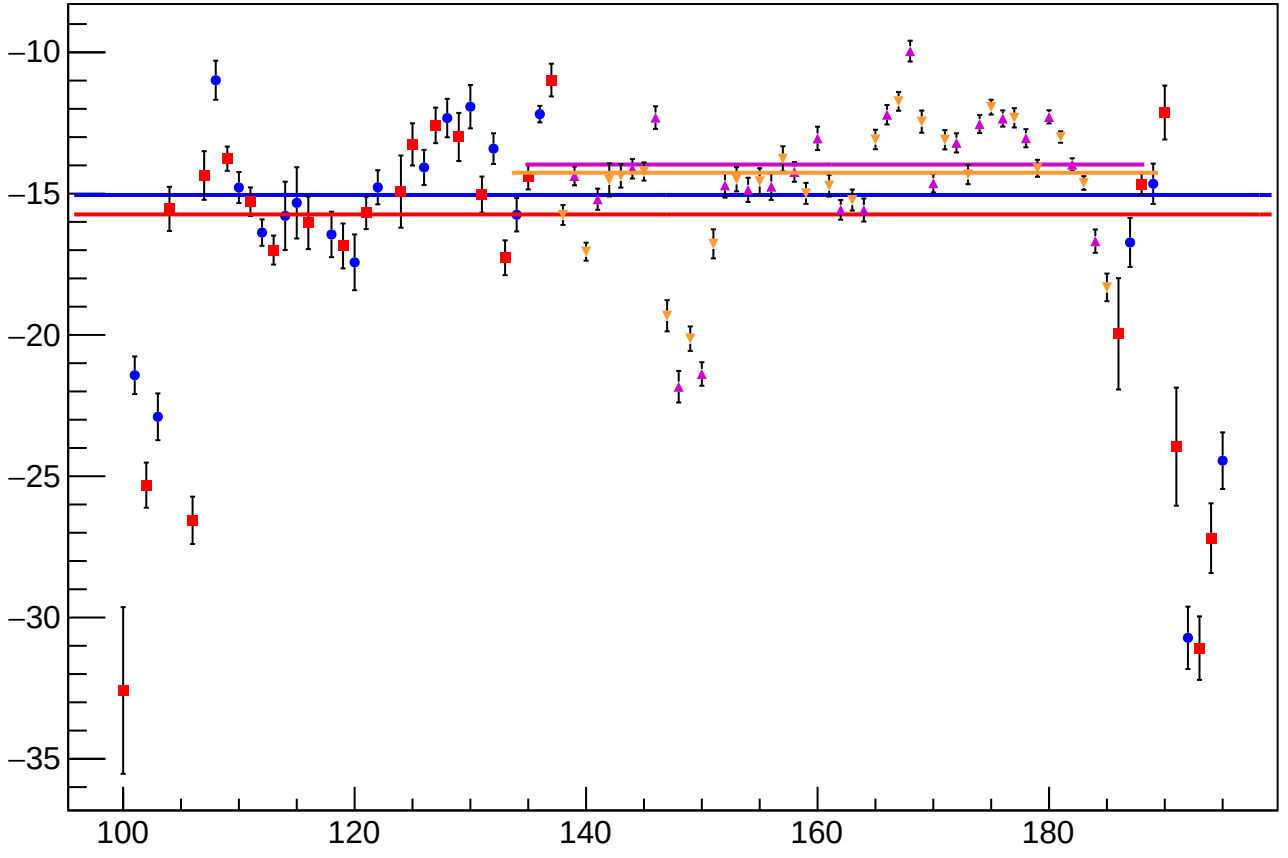
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.515+/-0.007 χ^2/NDF: 2229.4/44

All: -0.499+/-0.005 χ^2/NDF: 5354.9/92

- sign -0.484+/-0.007 χ^2/NDF: 3116.2/47

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: -15.736+/-0.135 χ^2/NDF: 822.0/24

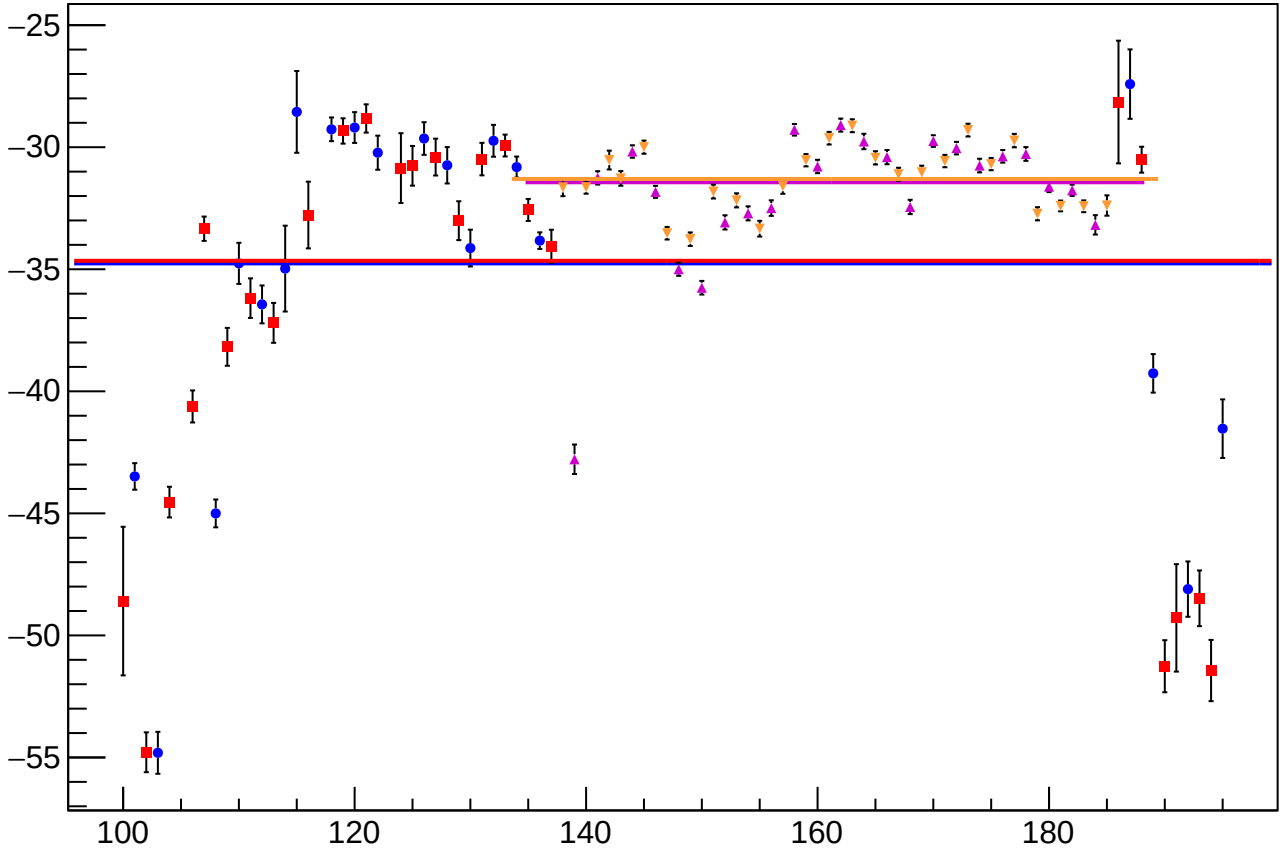
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.414+/-0.063 χ^2/NDF: 1419.0/44

All: -14.388+/-0.045 χ^2/NDF: 3282.5/92

- sign -14.360+/-0.063 χ^2/NDF: 1863.1/47

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: -34.653+/-0.144 χ^2/NDF: 2127.5/24

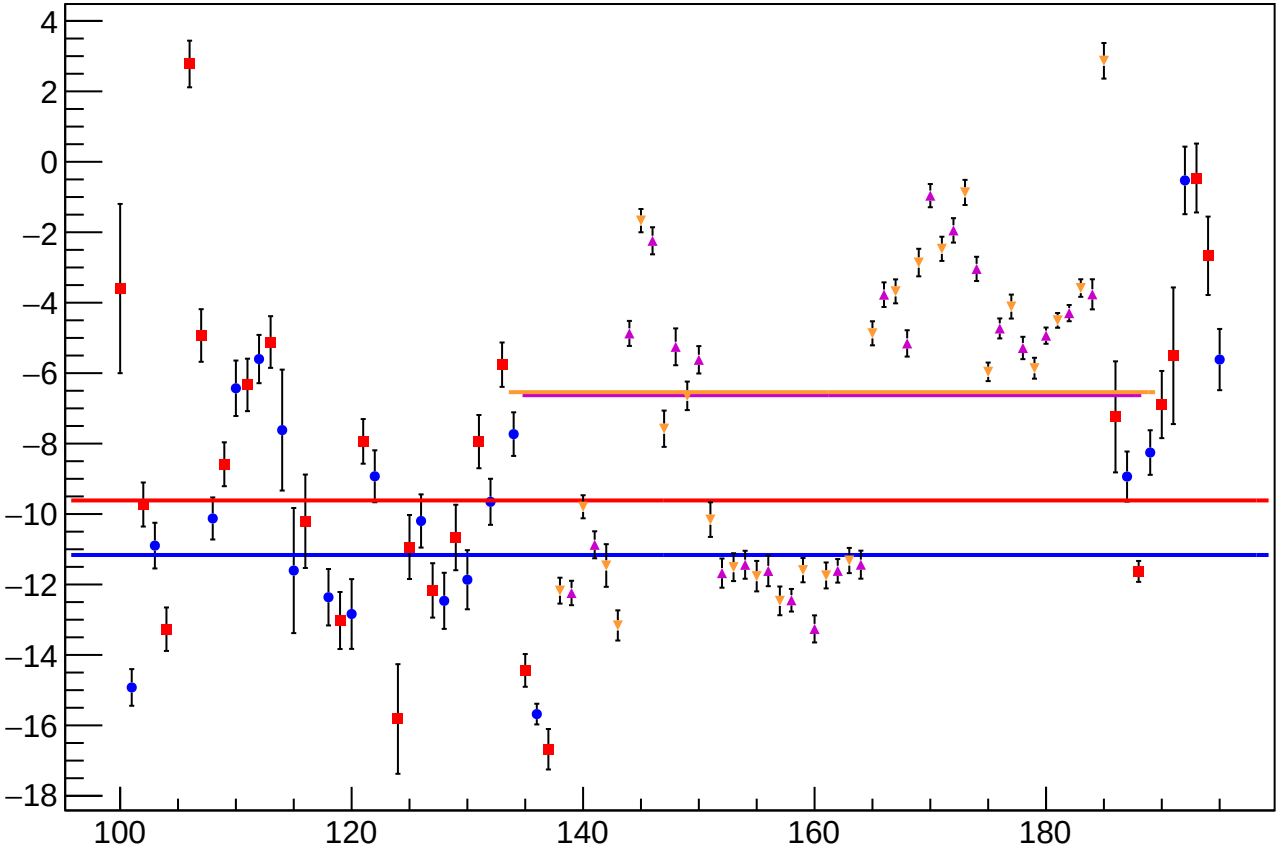
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.727+/-0.052 χ^2/NDF: 2895.4/44

All: -31.800+/-0.037 χ^2/NDF: 6673.3/92

- sign -31.876+/-0.053 χ^2/NDF: 3773.9/47

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: -9.614+/-0.139 χ^2/NDF: 1034.8/24

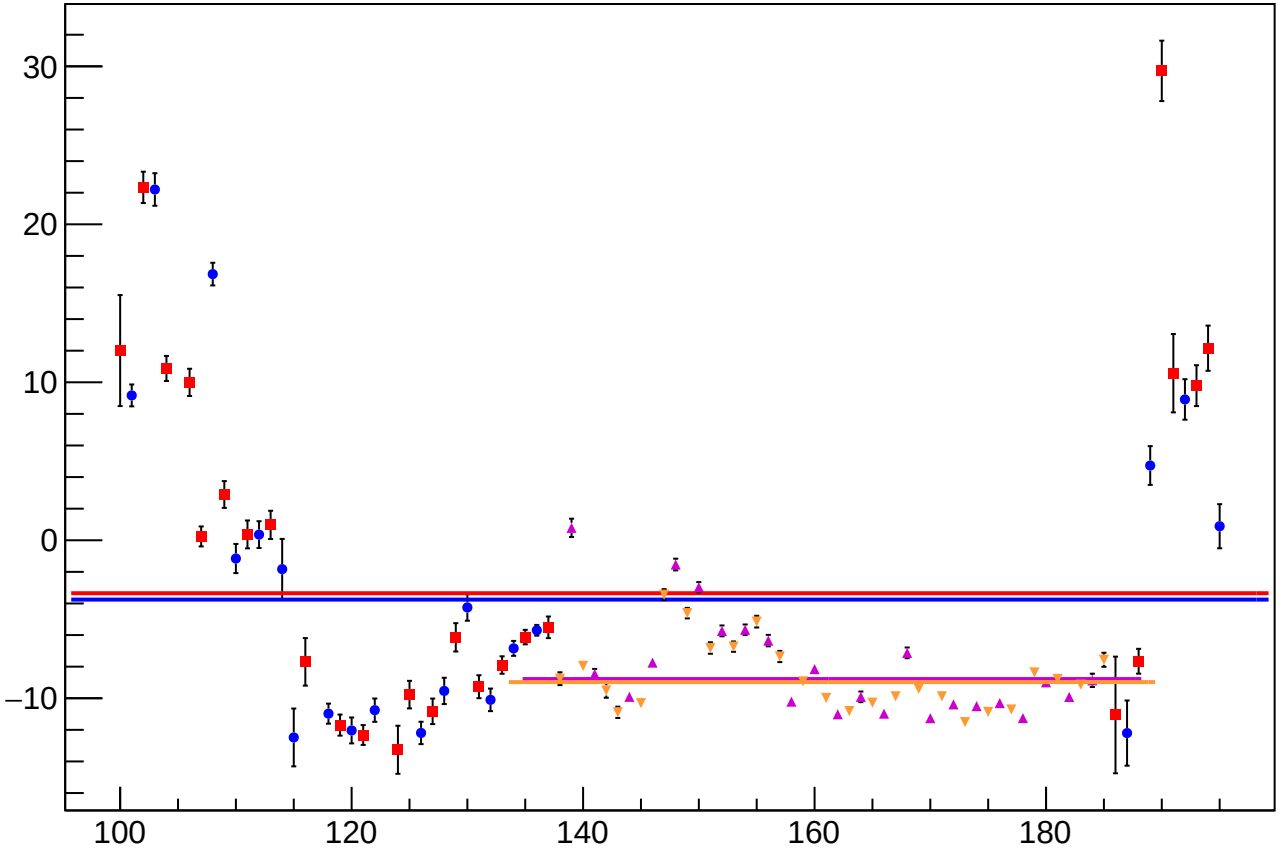
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

\+ sign -7.379+/-0.063 χ^2/NDF: 4693.6/44

All: -7.314+/-0.045 χ^2/NDF: 9003.4/92

\- sign -7.248+/-0.064 χ^2/NDF: 4307.7/47

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: -3.351+/-0.168 χ^2/NDF: 2707.2/24

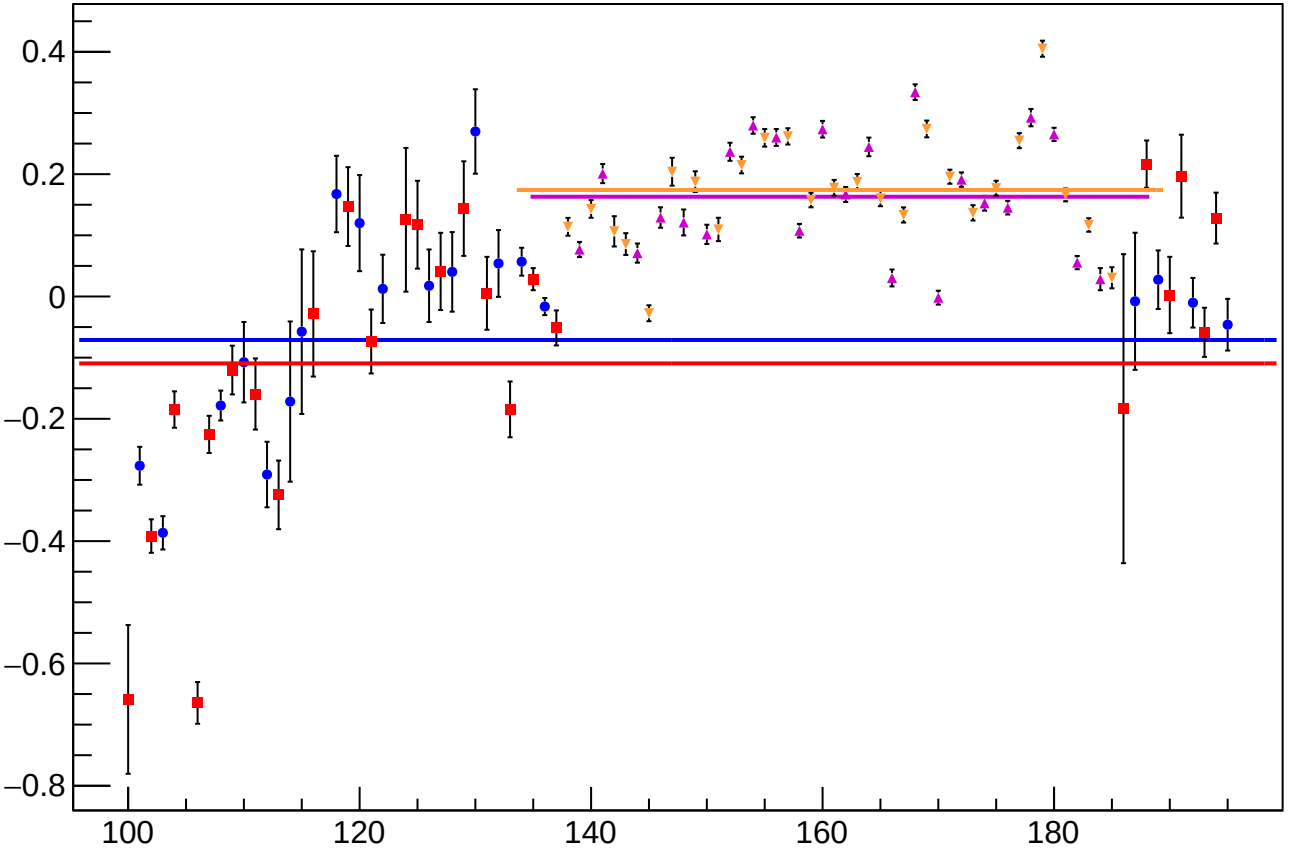
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

\+ sign -8.355+/-0.058 χ^2/NDF: 4536.8/44

All: -8.234+/-0.041 χ^2/NDF: 9854.9/92

\- sign -8.107+/-0.059 χ^2/NDF: 5309.2/47

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: -0.109+/-0.008 χ^2/NDF: 672.6/24

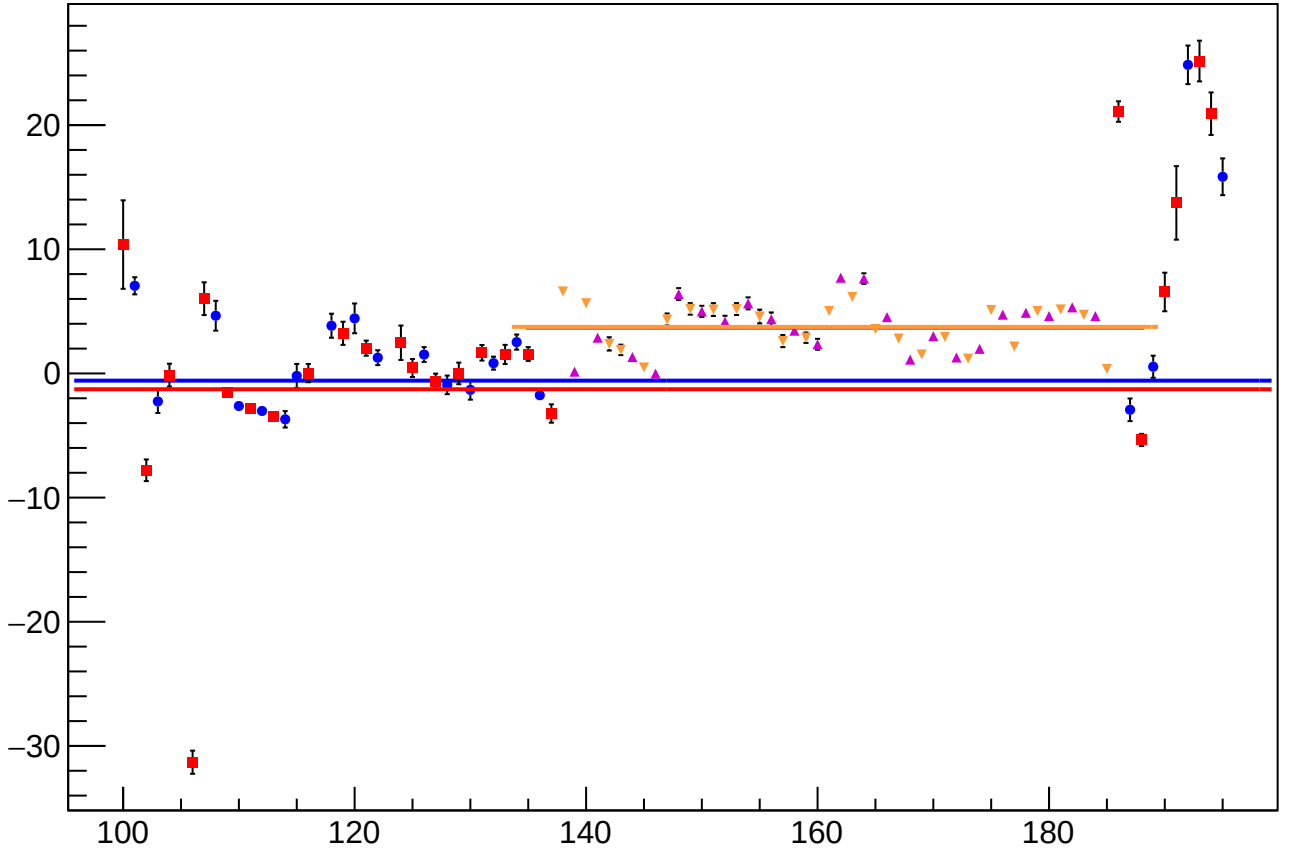
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2076.2/44

All: 0.143+/-0.002 χ^2/NDF: 4925.8/92

- sign 0.136+/-0.003 χ^2/NDF: 2836.4/47

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.580+/-0.133 χ^2/NDF: 784.1/19

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

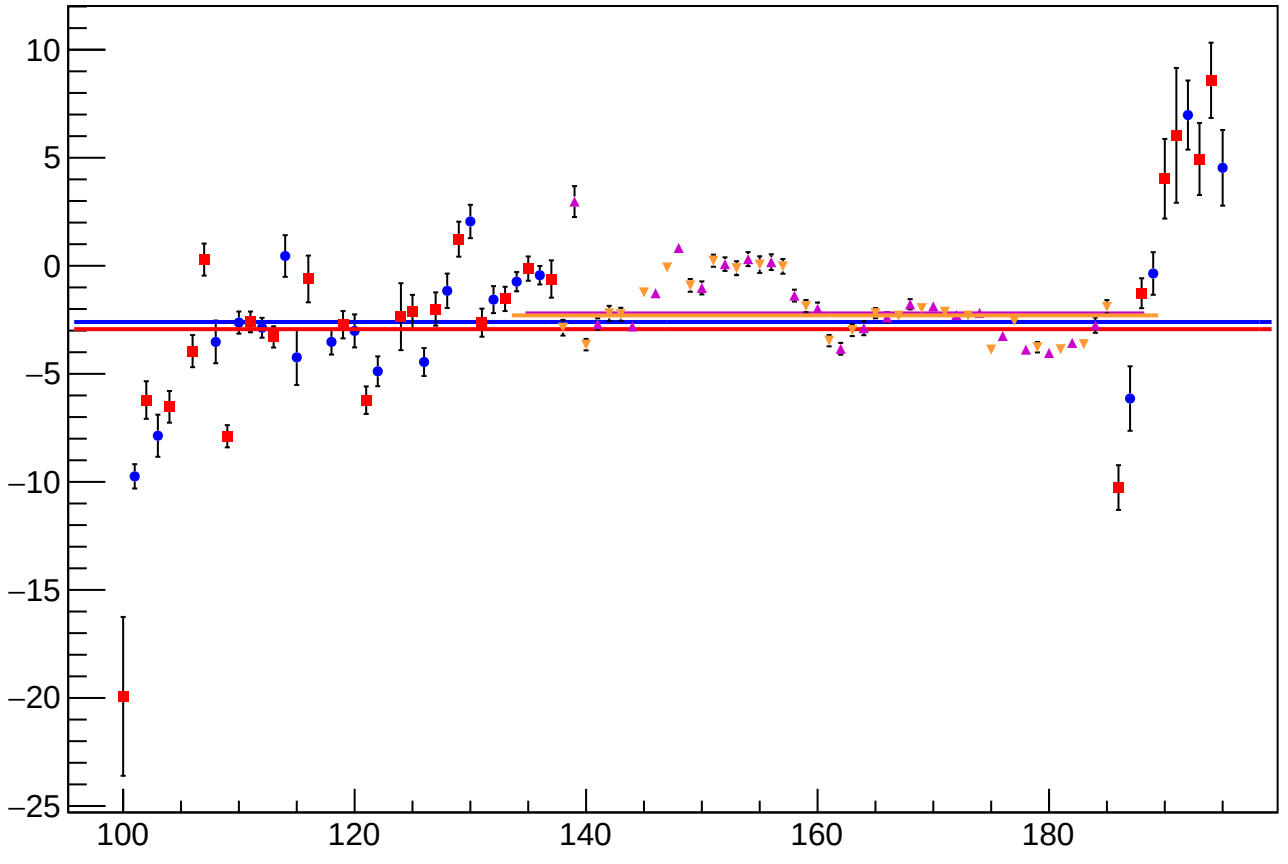
Right Out: -1.273+/-0.122 χ^2/NDF: 2637.6/24

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.973+/-0.056 χ^2/NDF: 2469.6/44

All: 2.796+/-0.040 χ^2/NDF: 7383.6/92

- sign 2.616+/-0.057 χ^2/NDF: 4893.9/47



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: -2.932+/-0.150 χ^2/NDF: 417.9/24

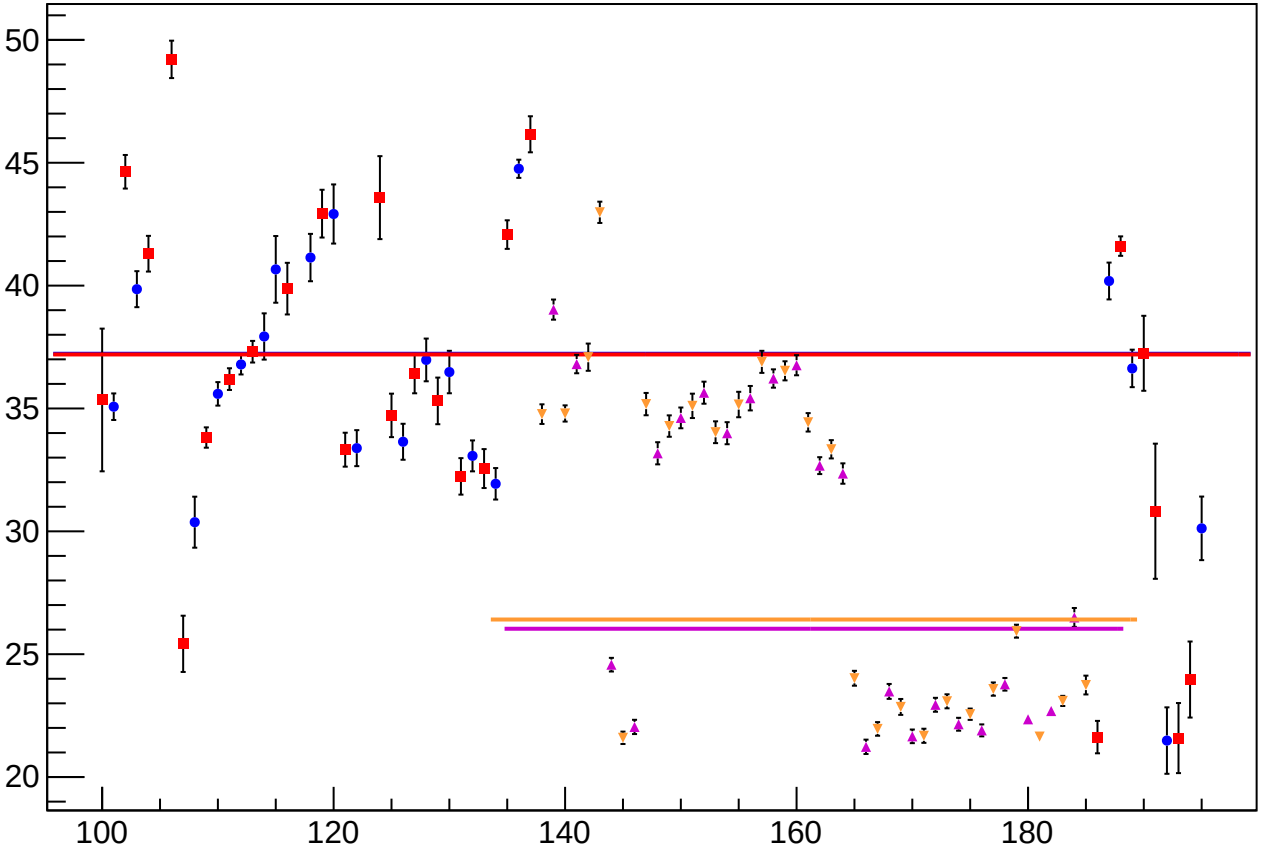
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.324+/-0.047 χ^2/NDF: 1009.6/44

All: -2.302+/-0.034 χ^2/NDF: 2173.7/92

- sign -2.279+/-0.048 χ^2/NDF: 1163.7/47

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: 37.198+/-0.142 χ^2/NDF: 1854.8/24

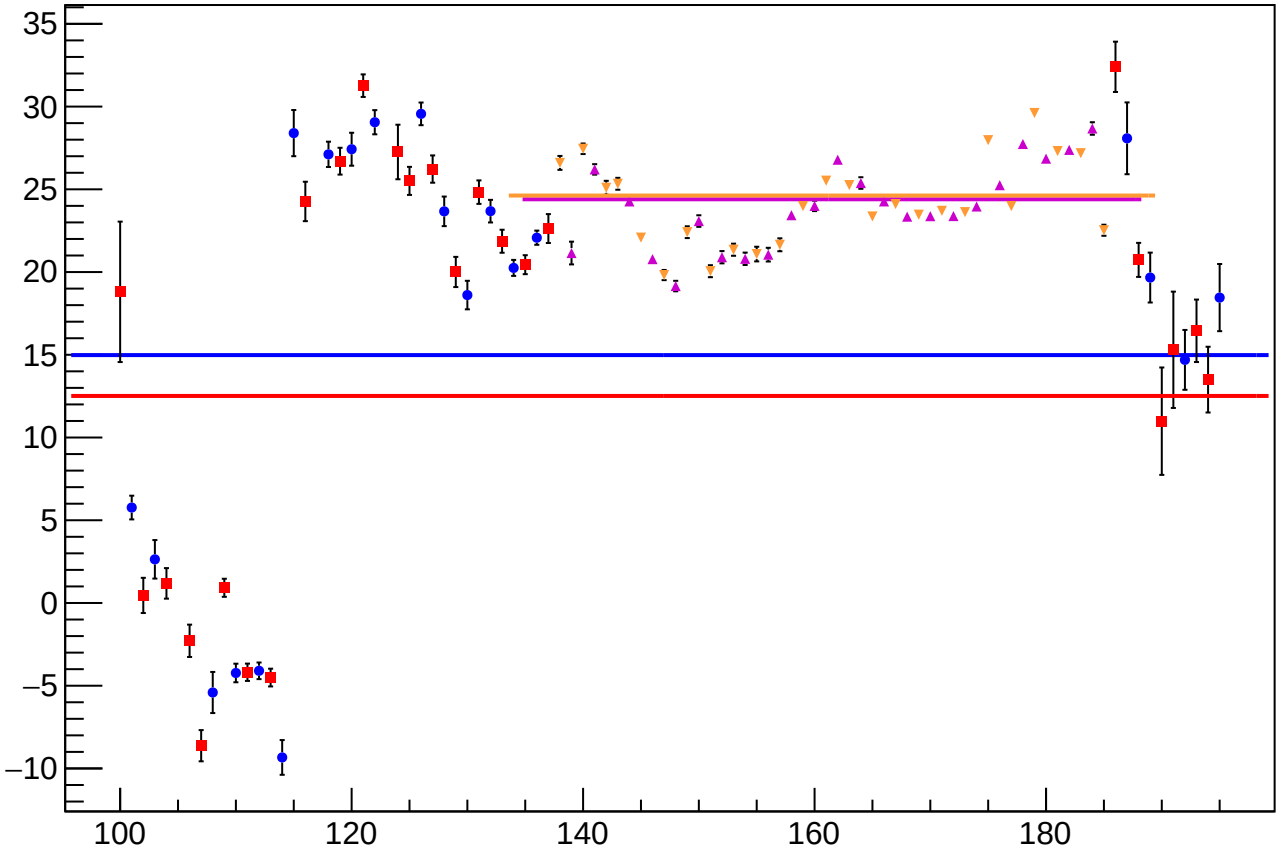
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.968+/-0.058 χ^2/NDF: 14454.3/44

All: 27.940+/-0.041 χ^2/NDF: 29283.6/92

- sign 27.912+/-0.058 χ^2/NDF: 14828.8/47

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: 12.512+/-0.171 χ^2/NDF: 6356.0/24

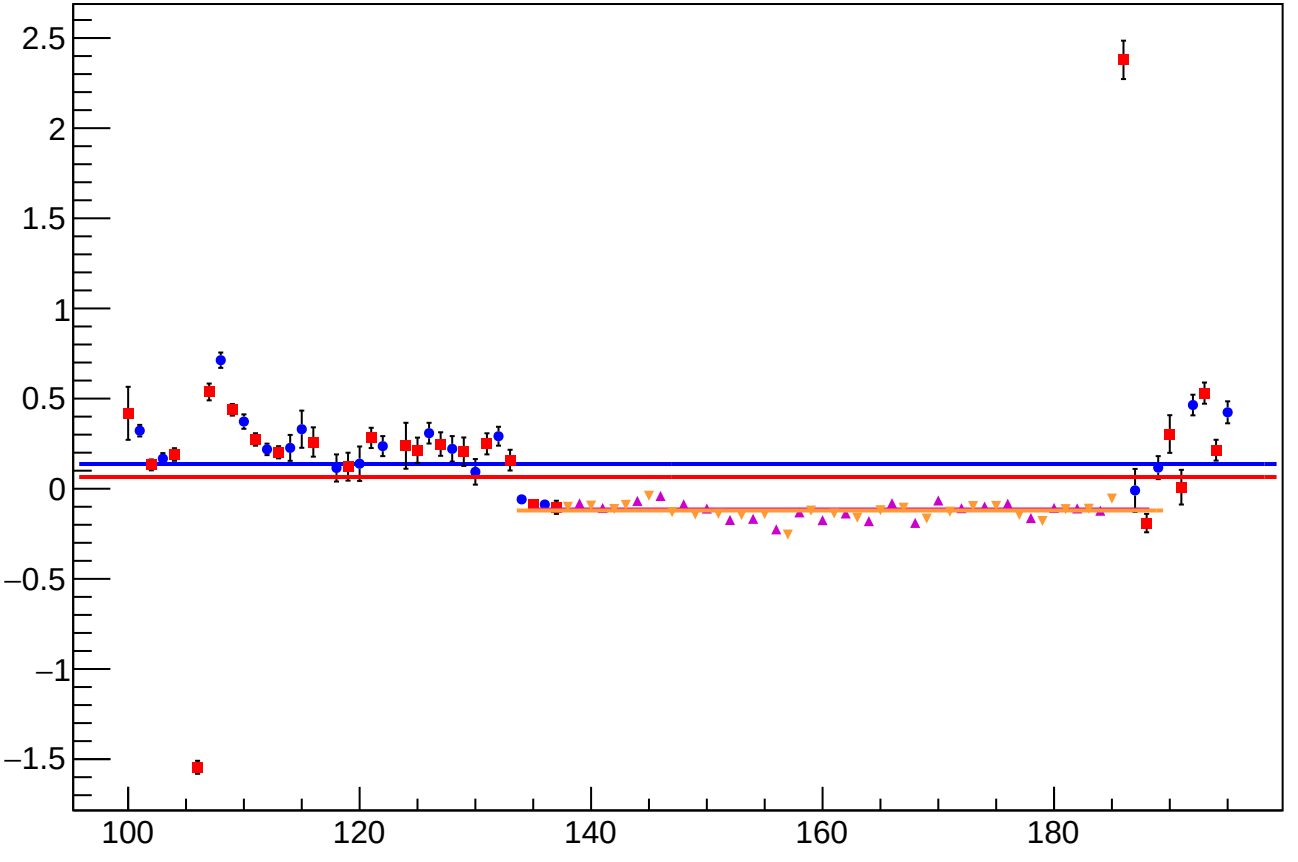
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.713+/-0.053 χ^2/NDF: 10573.2/44

All: 23.478+/-0.038 χ^2/NDF: 23027.1/92

\- sign 23.233+/-0.054 χ^2/NDF: 12413.0/47

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: 0.065+/-0.009 χ^2/NDF: 2995.3/24

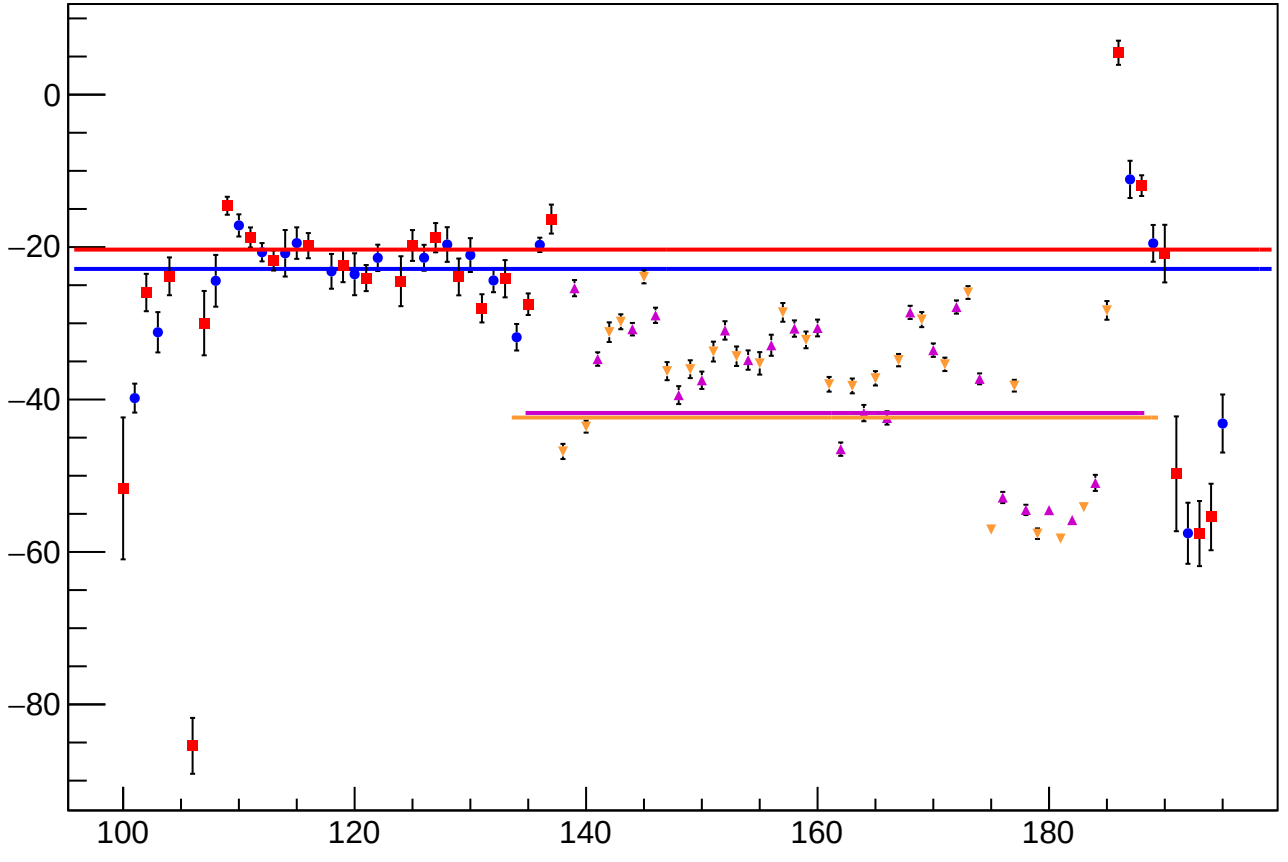
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.103+/-0.002 χ^2/NDF: 1596.1/44

All: -0.103+/-0.002 χ^2/NDF: 5236.9/92

- sign -0.103+/-0.002 χ^2/NDF: 3640.9/47

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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: -20.330+/-0.395 χ^2/NDF: 885.3/24

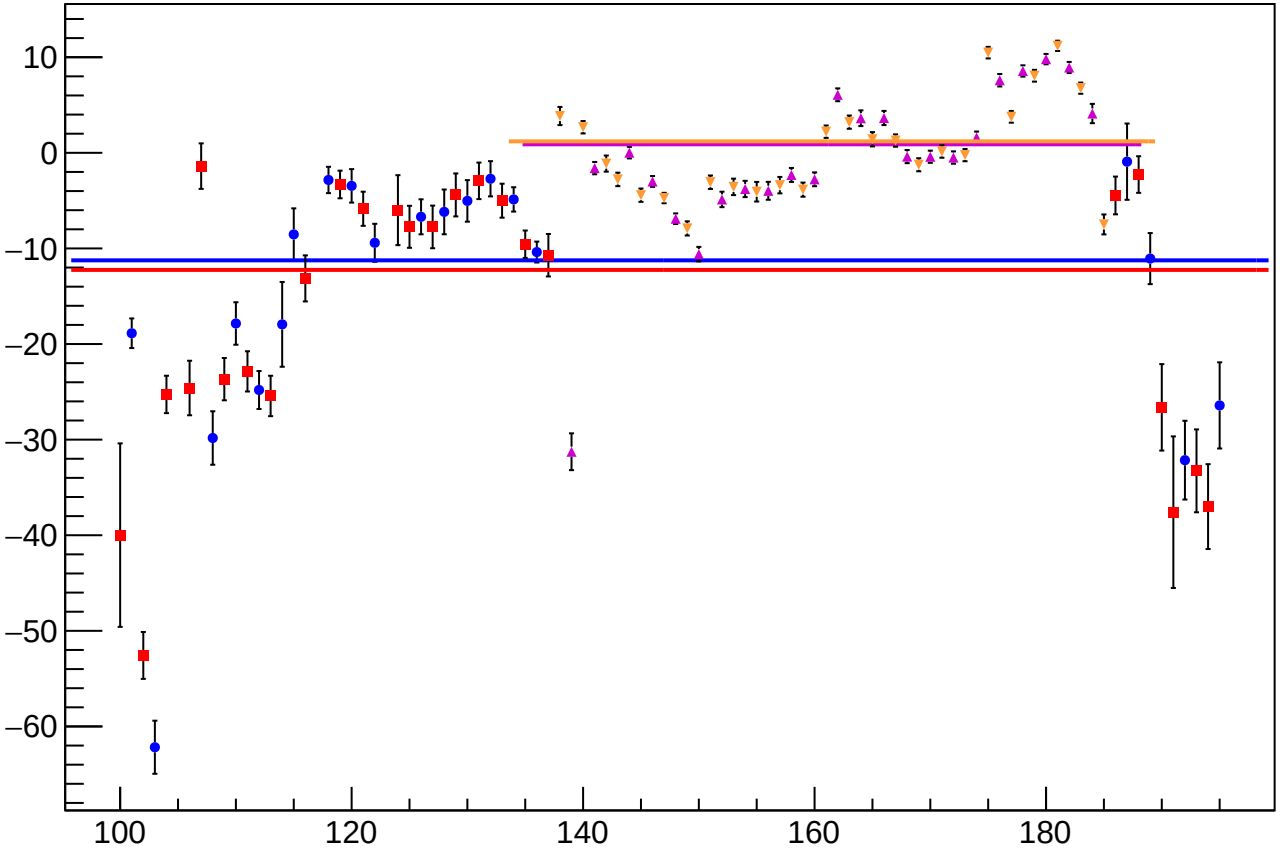
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.433+/-0.161 χ^2/NDF: 6623.2/44

All: -38.741+/-0.115 χ^2/NDF: 13437.0/92

- sign -38.018+/-0.165 χ^2/NDF: 6776.2/47

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: -12.247+/-0.446 χ^2/NDF: 690.3/24

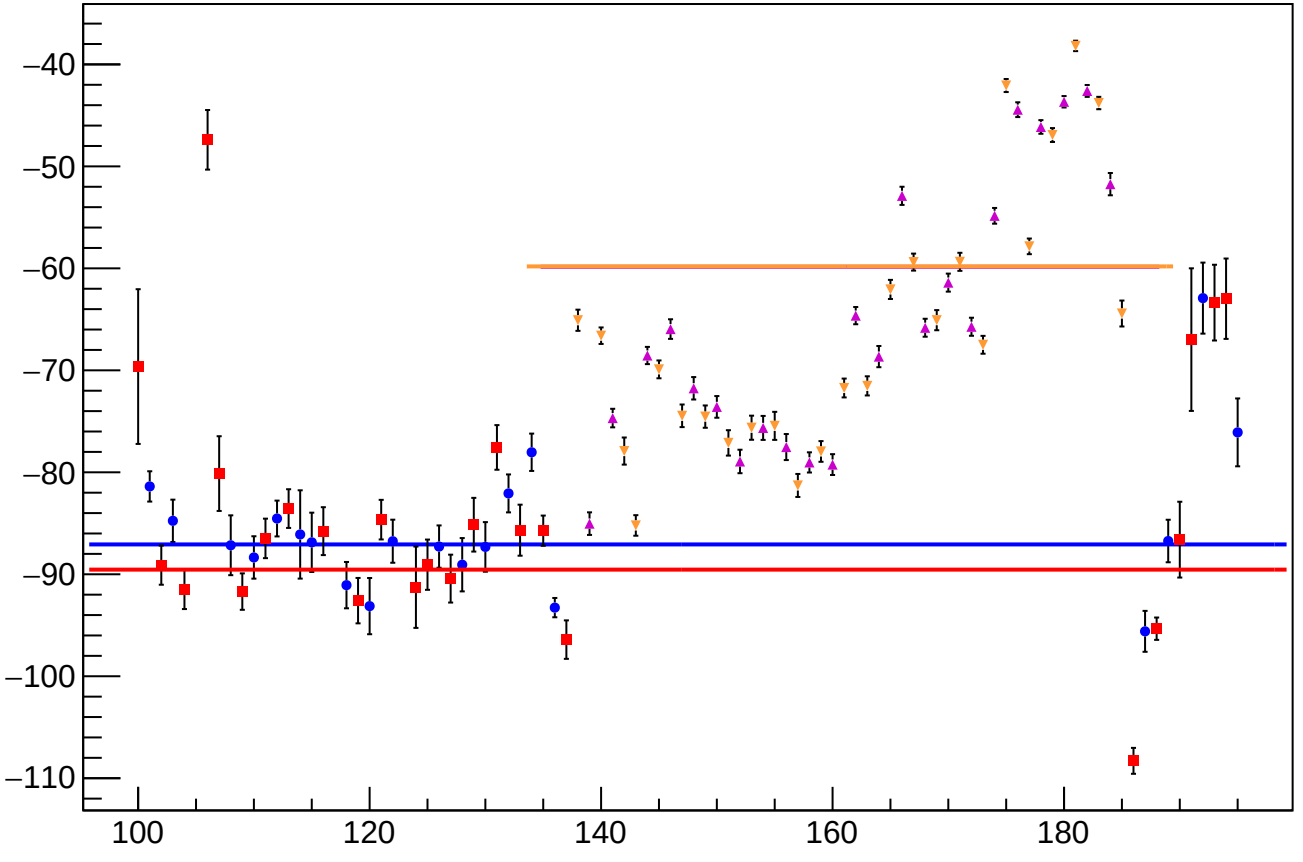
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.084+/-0.132 χ^2/NDF: 2825.3/44

All: -0.118+/-0.095 χ^2/NDF: 6069.5/92

- sign -0.332+/-0.136 χ^2/NDF: 3239.4/47

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: -89.544+/-0.423 χ^2/NDF: 654.6/24

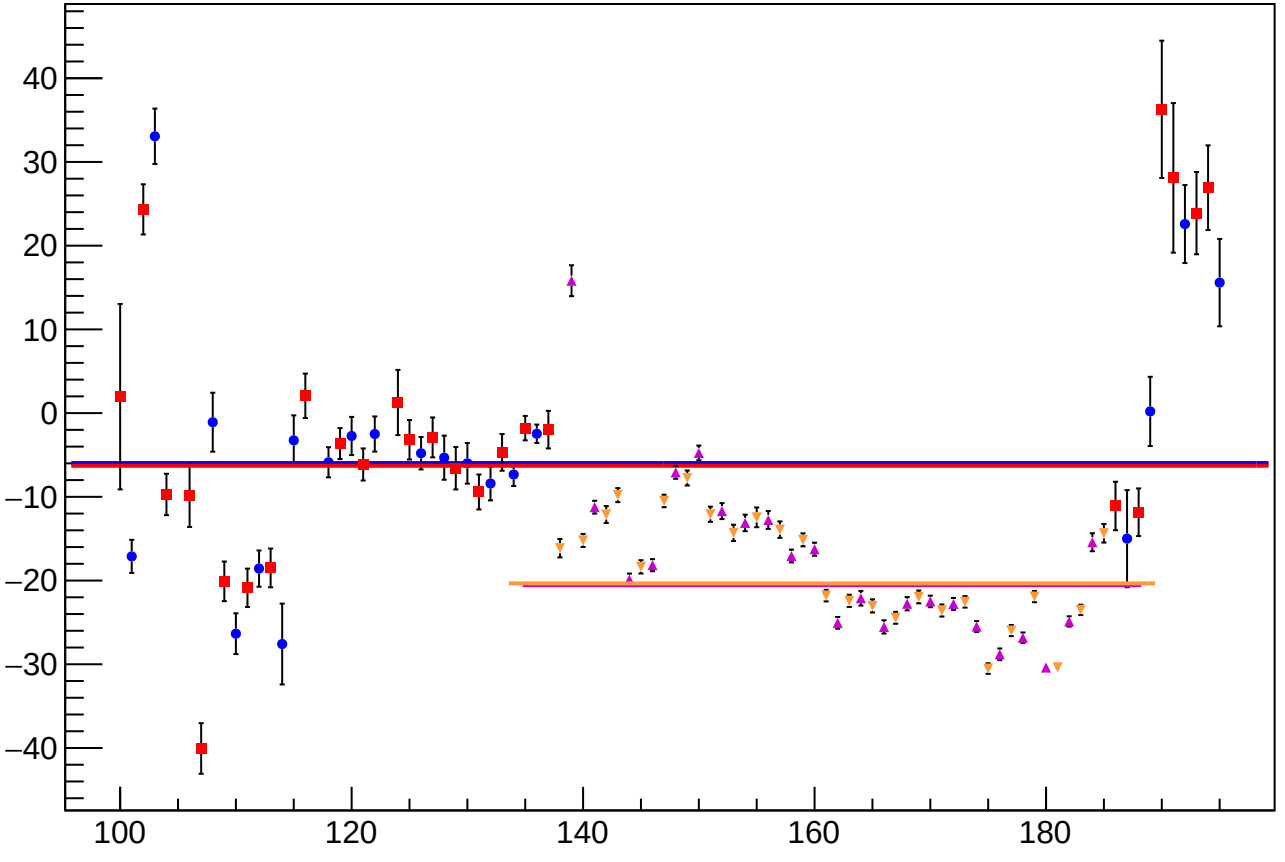
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.428+/-0.163 χ^2/NDF: 10034.4/44

All: -63.927+/-0.117 χ^2/NDF: 20408.2/92

- sign -64.445+/-0.166 χ^2/NDF: 10354.8/47

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: -6.289+/-0.516 χ^2/NDF: 499.0/24

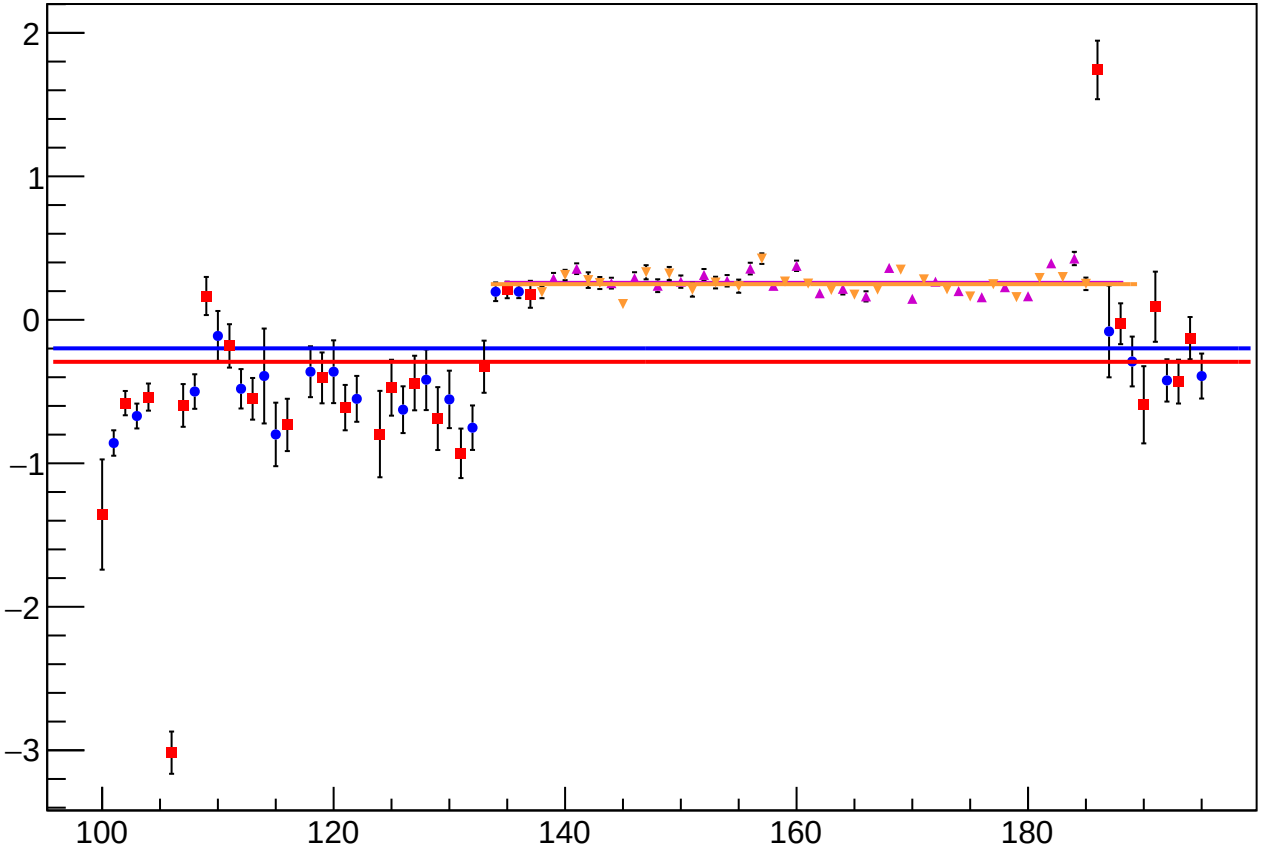
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.071+/-0.148 χ^2/NDF: 2837.8/44

All: -19.186+/-0.106 χ^2/NDF: 6230.0/92

- sign -19.309+/-0.152 χ^2/NDF: 3391.0/47

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: -0.293+/-0.027 χ^2/NDF: 629.0/24

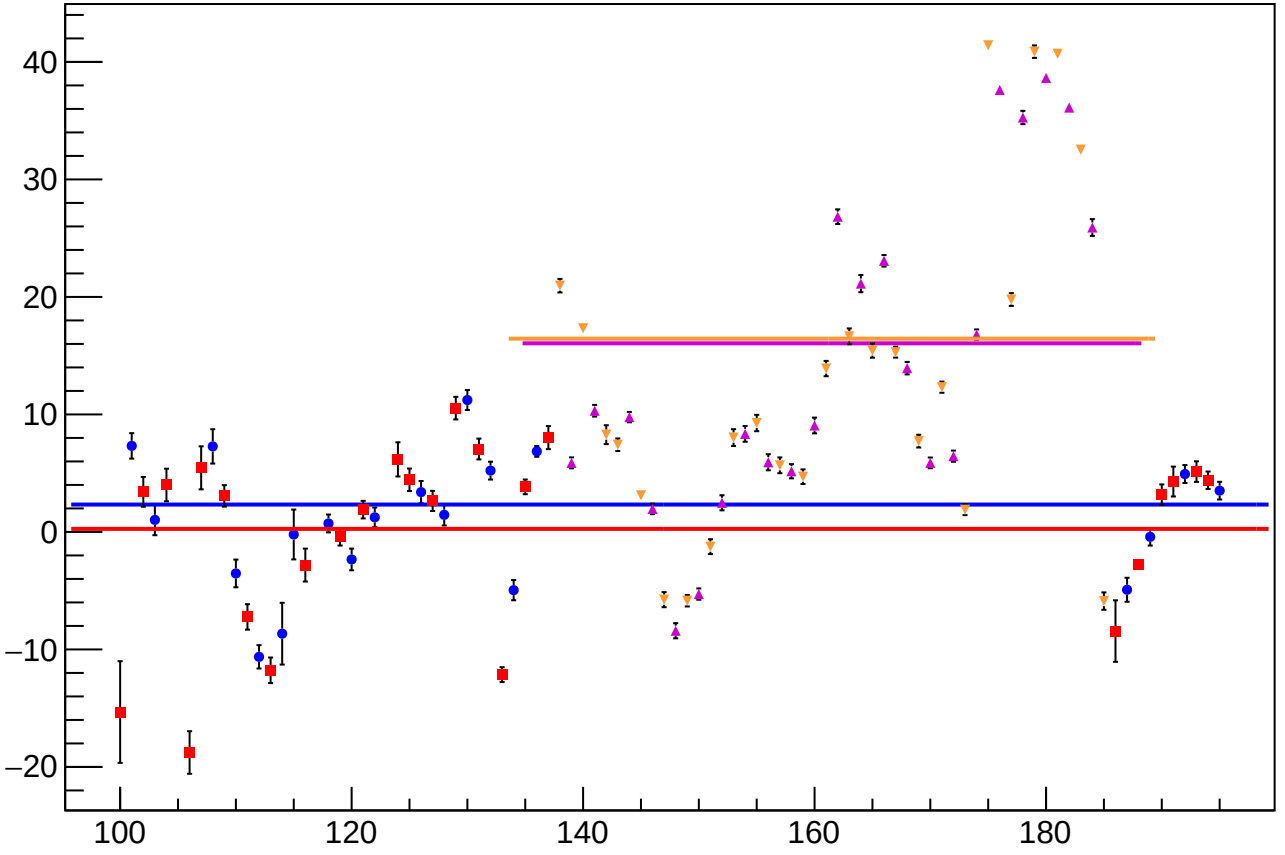
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.218+/-0.007 χ^2/NDF: 629.3/44

All: 0.220+/-0.005 χ^2/NDF: 1777.1/92

- sign 0.222+/-0.007 χ^2/NDF: 1147.6/47

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

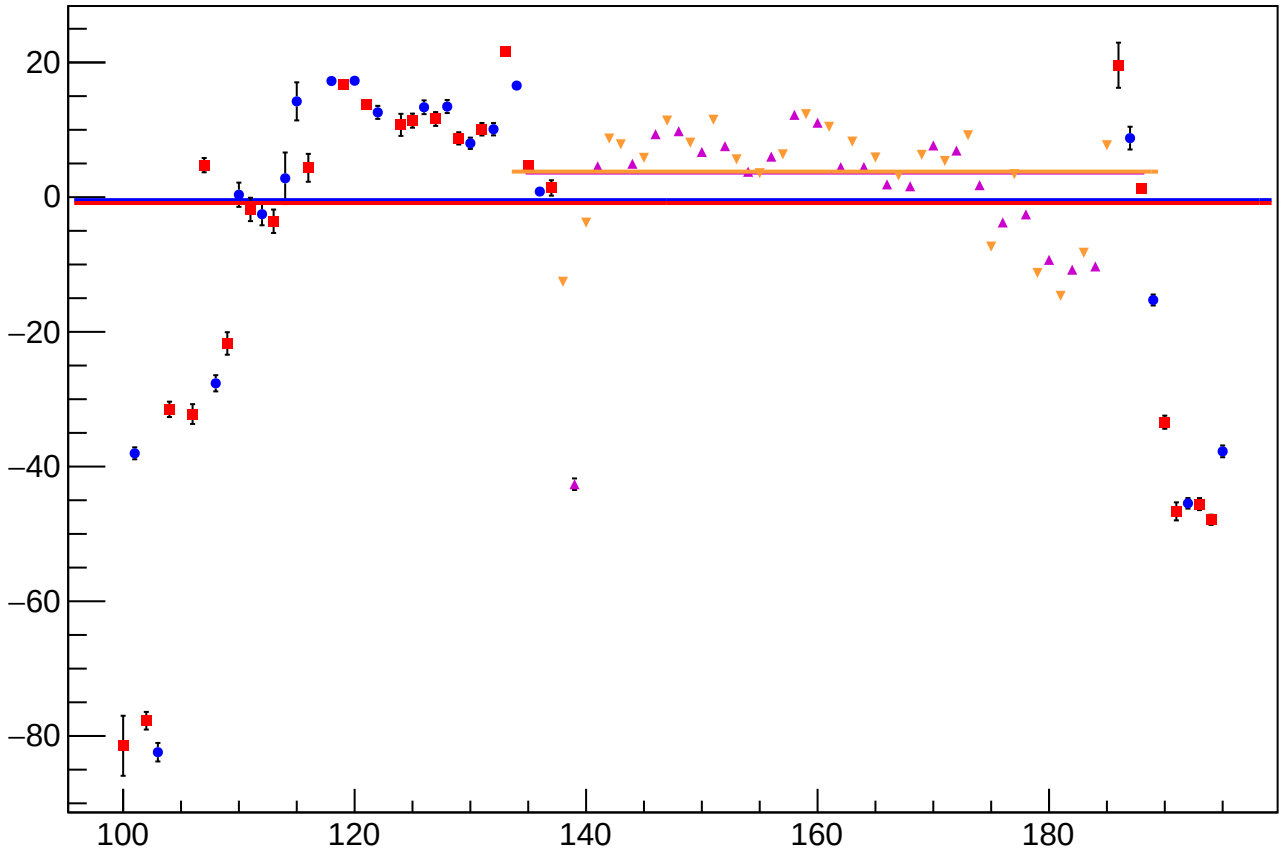
Right Out: 0.261+/-0.175 χ^2/NDF: 1189.3/24

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.335+/-0.092 χ^2/NDF: 26117.2/44

All: 12.541+/-0.065 χ^2/NDF: 50982.2/92

- sign 11.753+/-0.091 χ^2/NDF: 24716.1/47



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: -0.867+/-0.180 χ^2/NDF: 18688.0/24

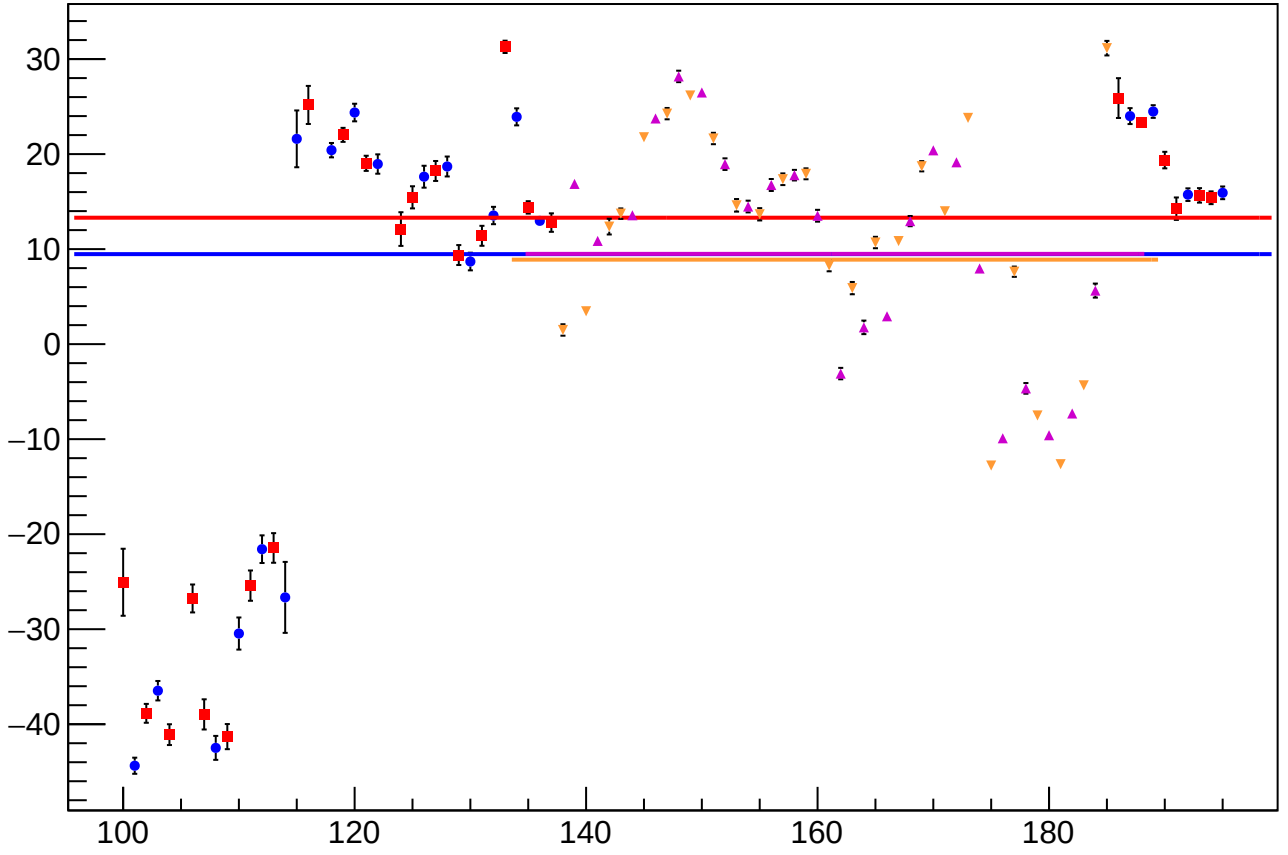
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.155+/-0.074 χ^2/NDF: 24803.0/44

All: 3.008+/-0.053 χ^2/NDF: 52330.3/92

- sign 2.855+/-0.075 χ^2/NDF: 27519.2/47

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

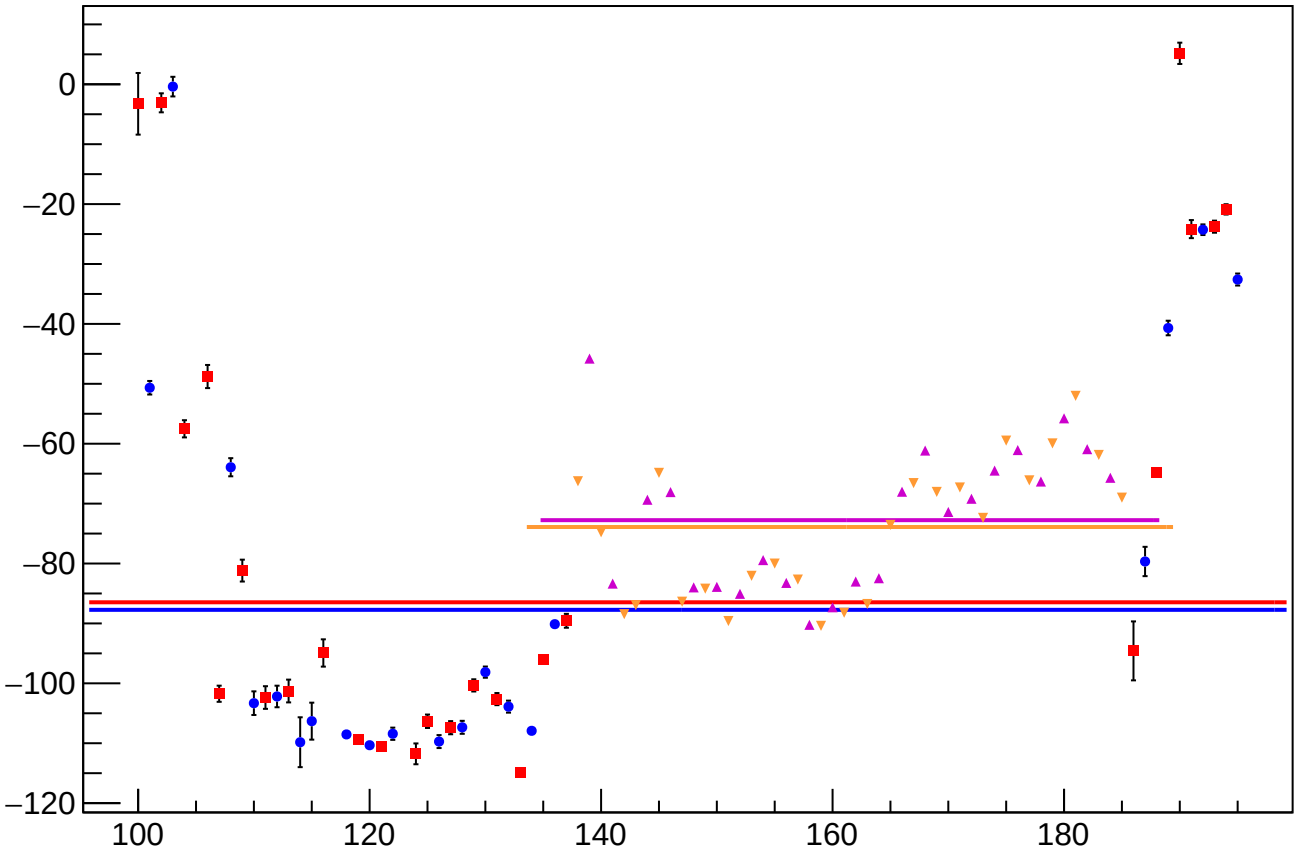
Right Out: 13.306+/-0.171 χ^2/NDF: 12198.1/24

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.018+/-0.092 χ^2/NDF: 26308.6/44

All: 9.804+/-0.064 χ^2/NDF: 52050.3/92

- sign 10.567+/-0.090 χ^2/NDF: 25597.0/47



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: -86.472+/-0.214 χ^2/NDF: 25227.8/24

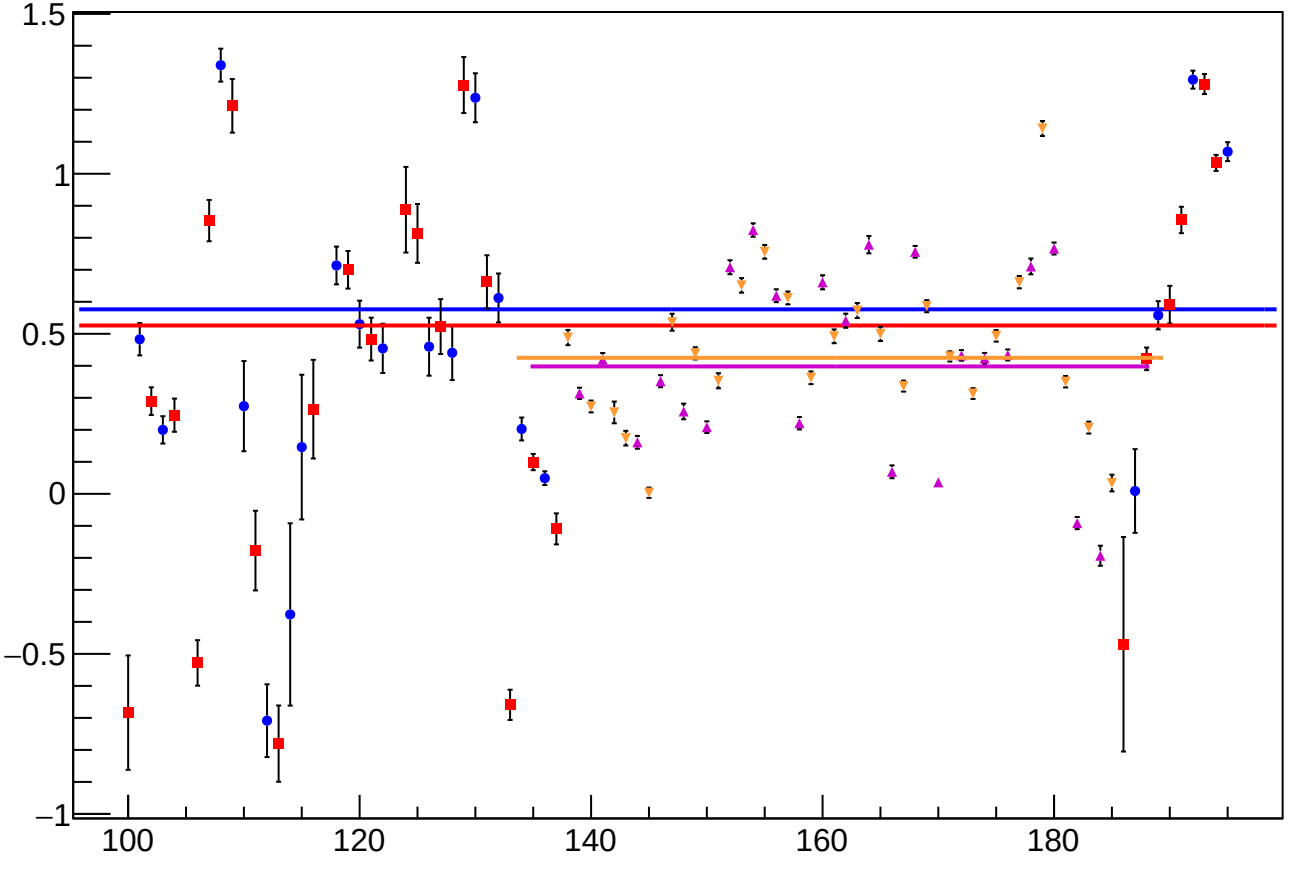
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.870+/-0.084 χ^2/NDF: 37334.6/44

All: -75.425+/-0.060 χ^2/NDF: 78692.9/92

- sign -74.961+/-0.086 χ^2/NDF: 41300.7/47

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: 0.526+/-0.010 χ^2/NDF: 2833.1/24

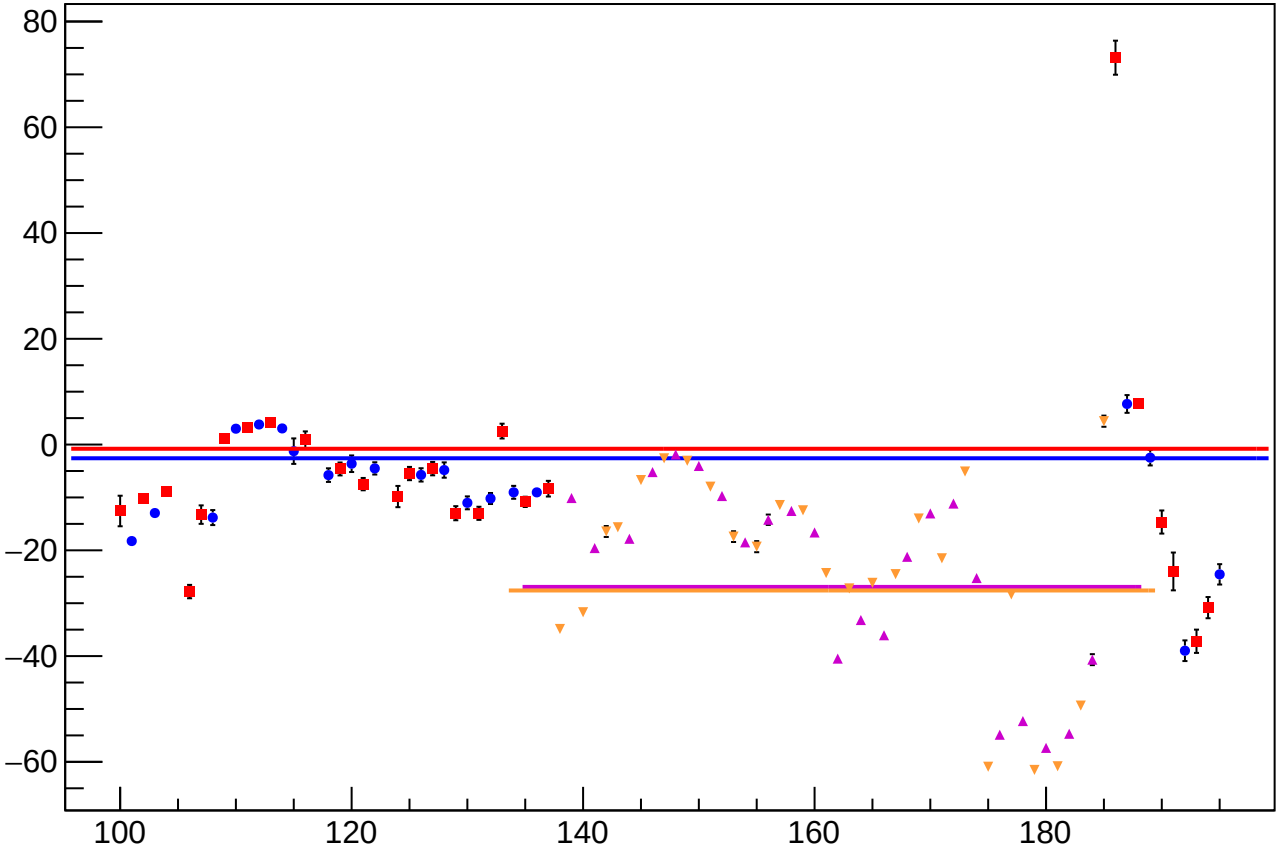
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.444+/-0.004 χ^2/NDF: 5403.5/44

All: 0.430+/-0.003 χ^2/NDF: 12668.6/92

- sign 0.416+/-0.004 χ^2/NDF: 7238.2/47

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: -0.795+/-0.164 χ^2/NDF: 2696.5/24

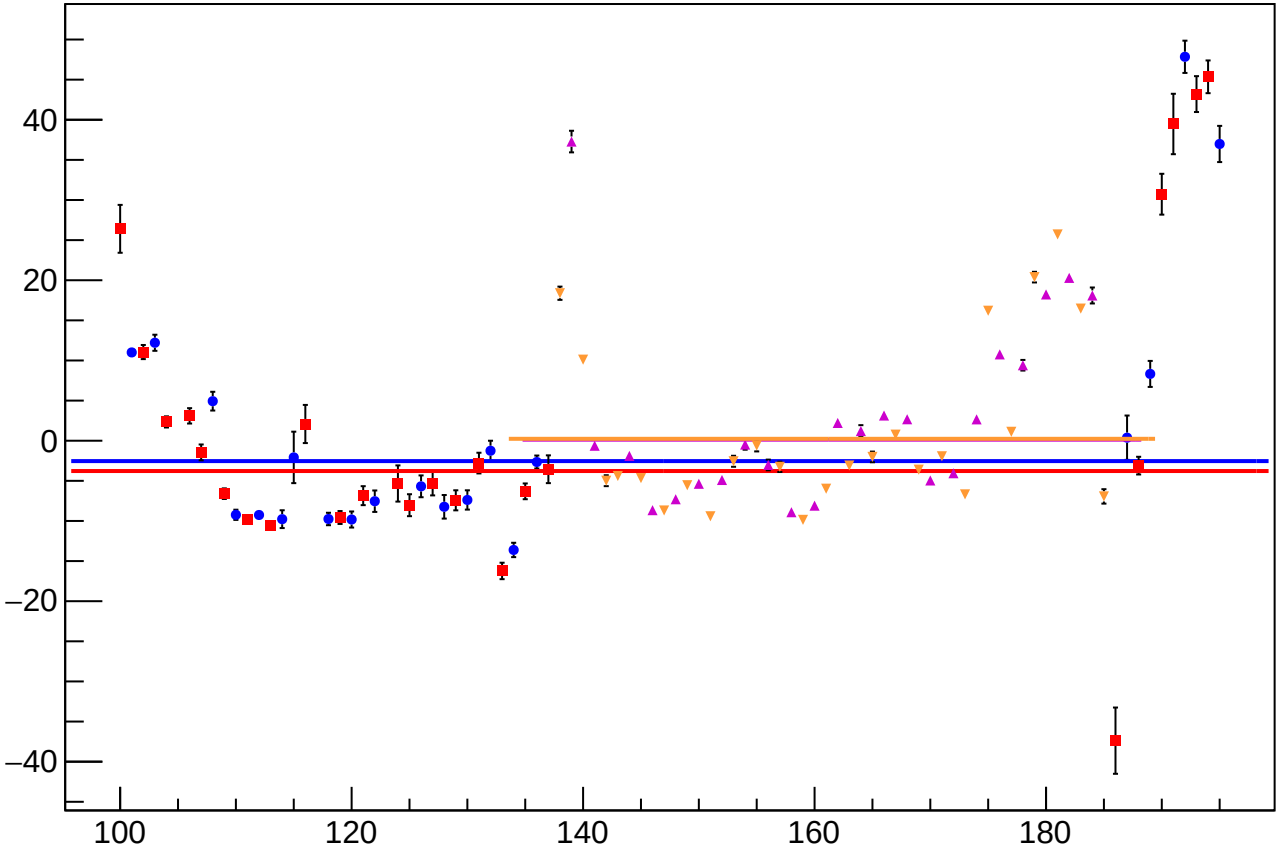
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.286+/-0.114 χ^2/NDF: 32946.3/44

All: -16.651+/-0.079 χ^2/NDF: 65413.0/92

- sign -15.124+/-0.111 χ^2/NDF: 32071.4/47

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

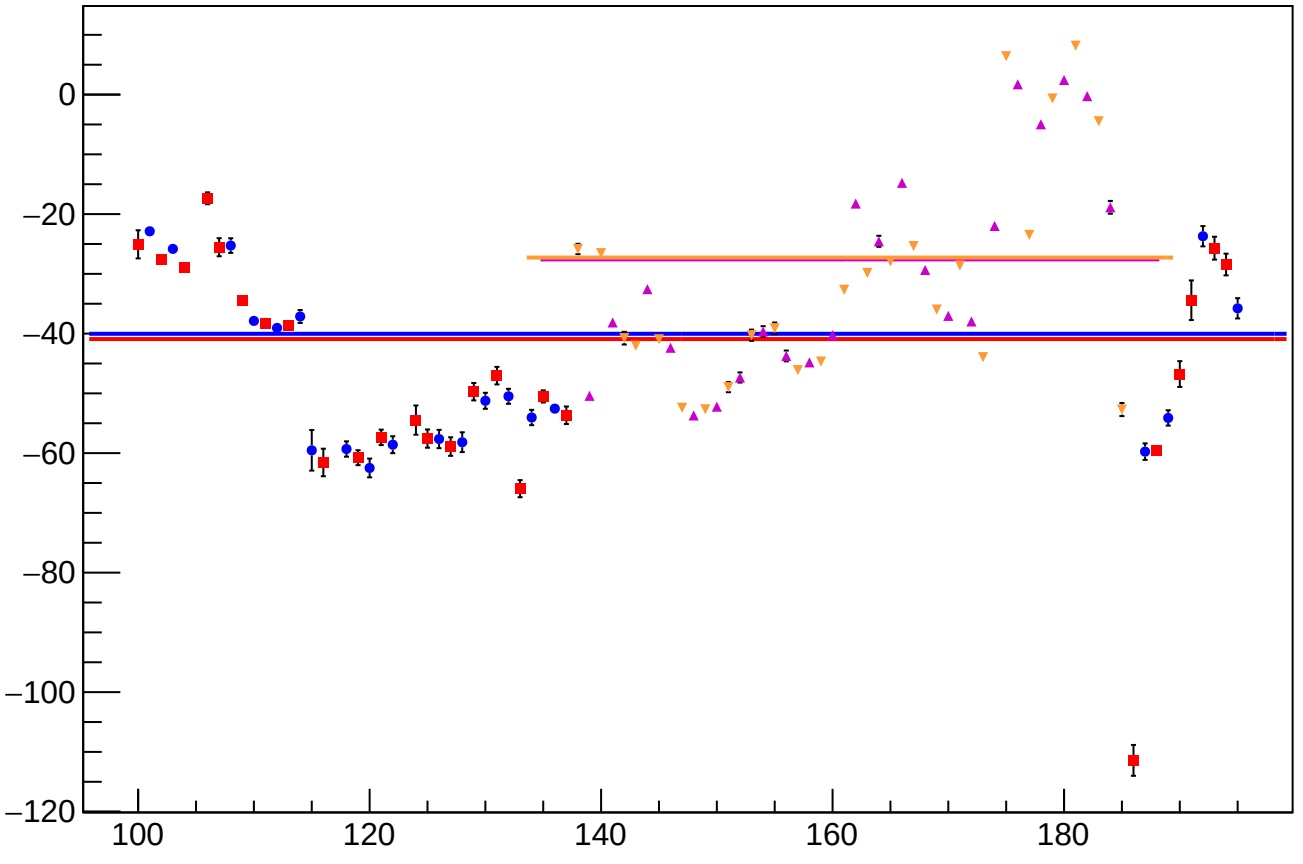
Right Out: -3.778+/-0.211 χ^2/NDF: 2422.9/24

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.318+/-0.099 χ^2/NDF: 10600.7/44

All: -0.533+/-0.070 χ^2/NDF: 19135.7/92

- sign -0.757+/-0.101 χ^2/NDF: 8525.4/47



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: -40.912+/-0.197 χ^2/NDF: 4654.6/24

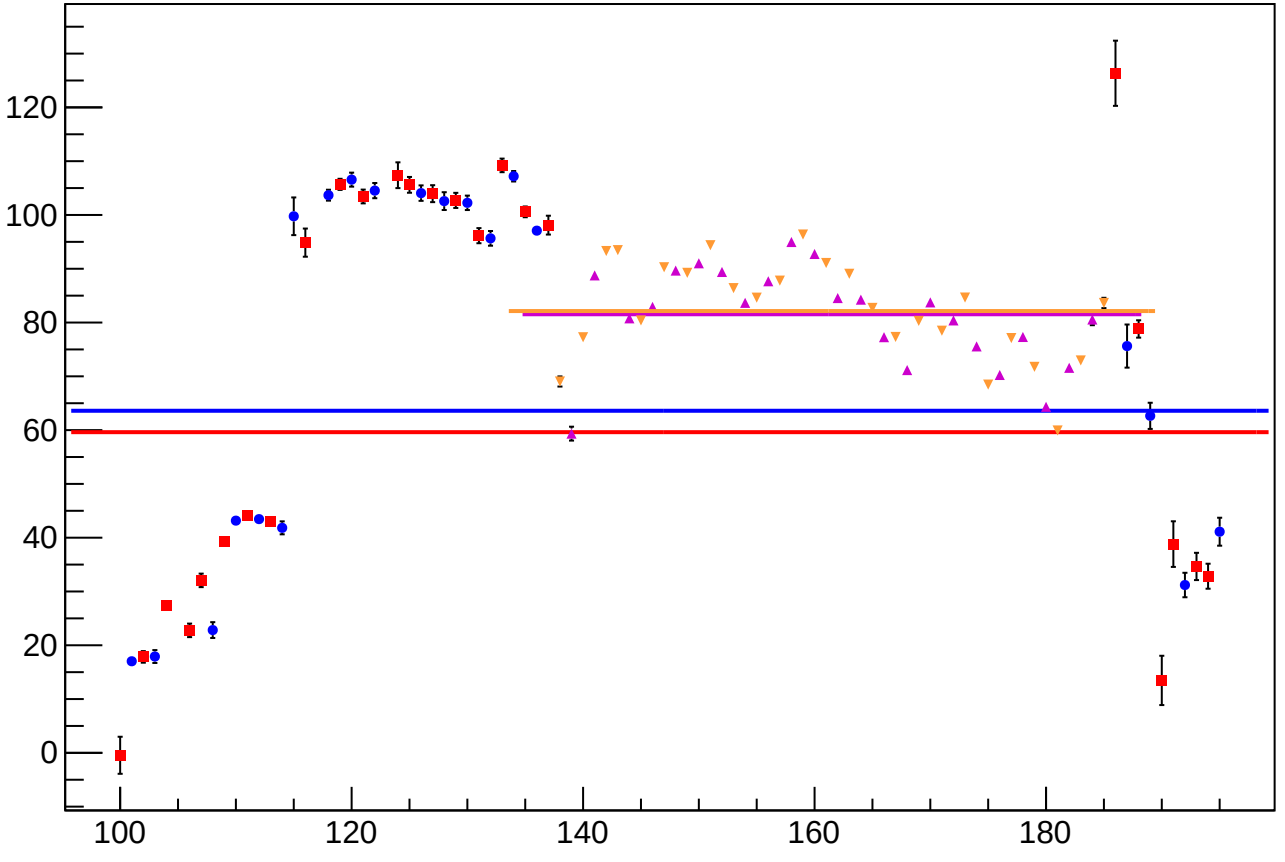
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.201+/-0.120 χ^2/NDF: 24336.3/44

All: -31.805+/-0.084 χ^2/NDF: 47612.1/92

- sign -32.398+/-0.118 χ^2/NDF: 23225.3/47

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: 59.619+/-0.242 χ^2/NDF: 18049.6/24

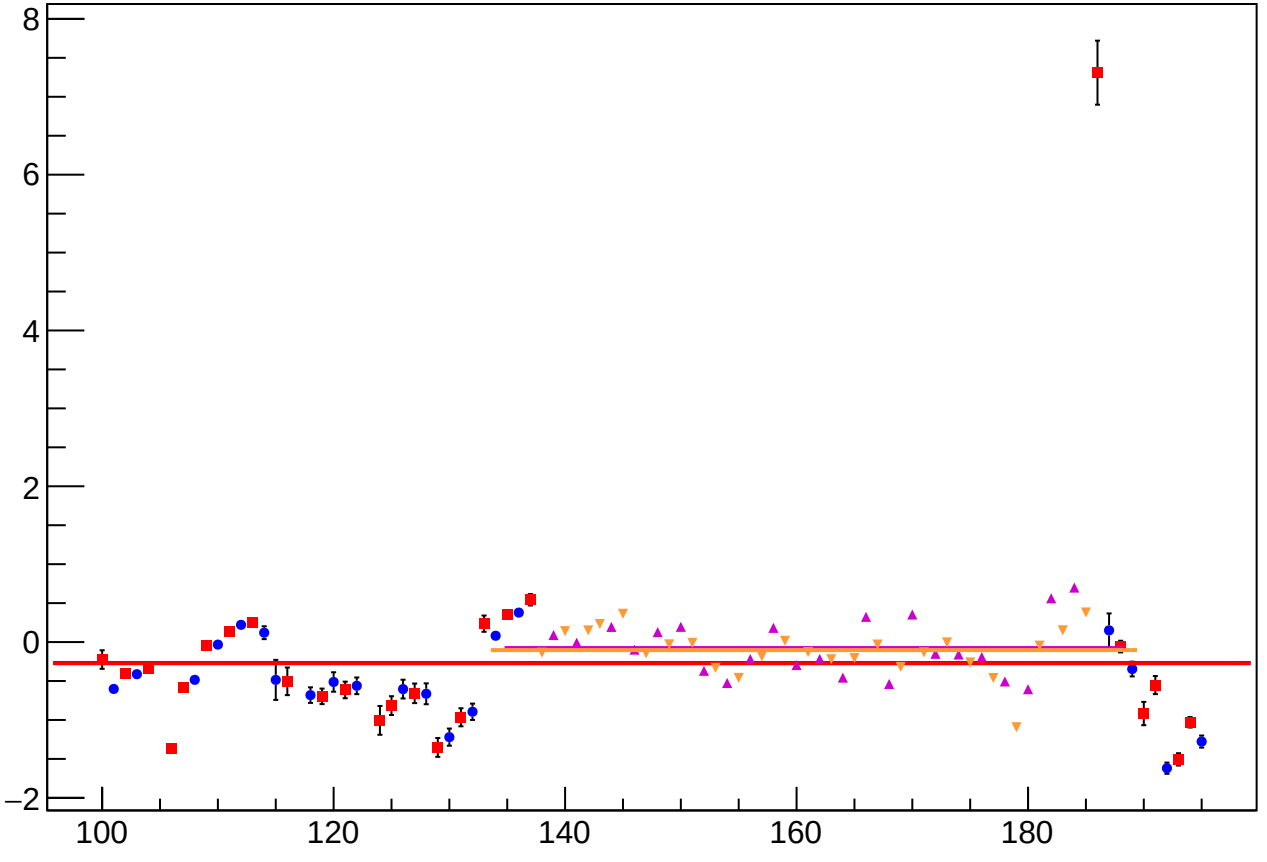
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.503+/-0.112 χ^2/NDF: 28589.2/44

All: 77.619+/-0.080 χ^2/NDF: 57182.4/92

- sign 76.704+/-0.114 χ^2/NDF: 28466.2/47

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: -0.272+/-0.012 χ^2/NDF: 2130.6/24

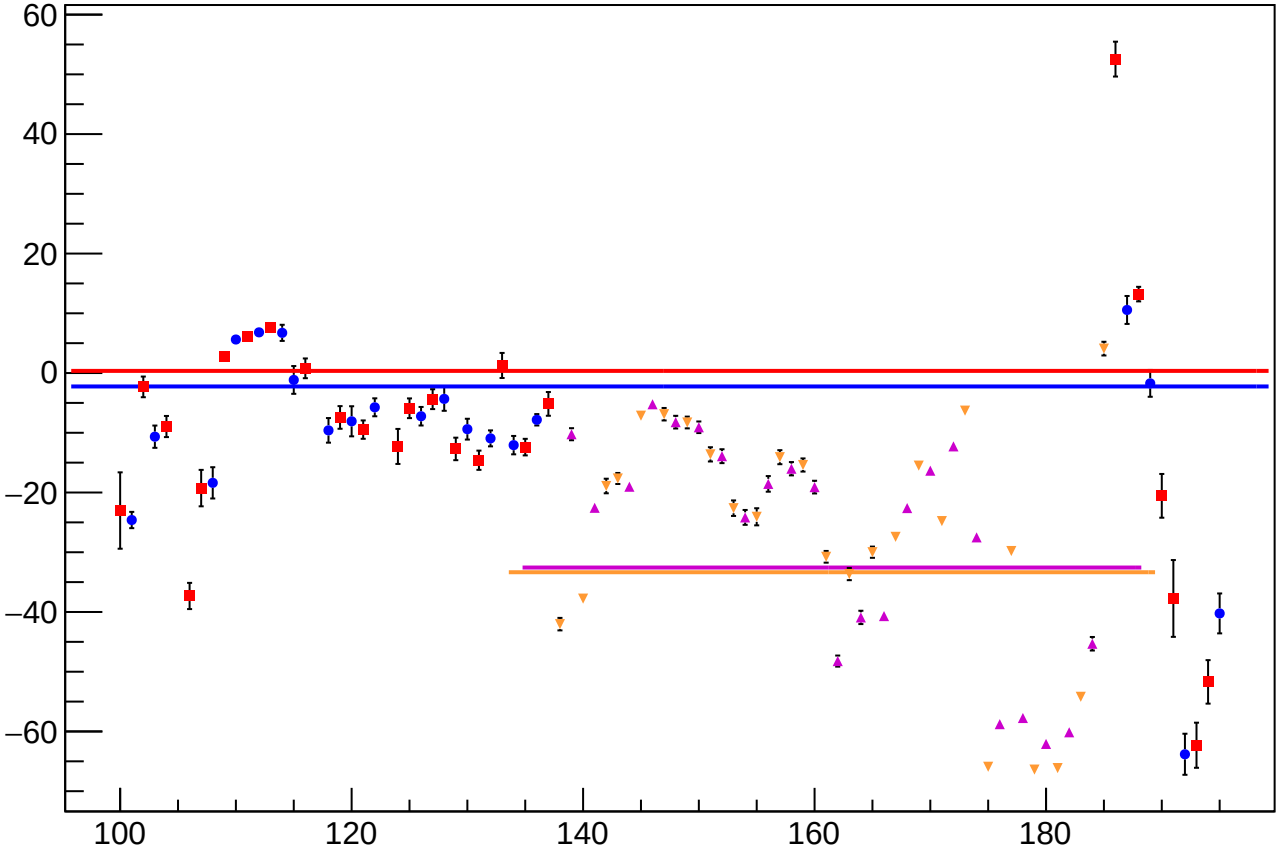
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.130+/-0.005 χ^2/NDF: 4024.1/44

All: -0.121+/-0.004 χ^2/NDF: 9688.6/92

- sign -0.112+/-0.005 χ^2/NDF: 5658.7/47

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: 0.359+/-0.271 χ^2/NDF: 1910.9/24

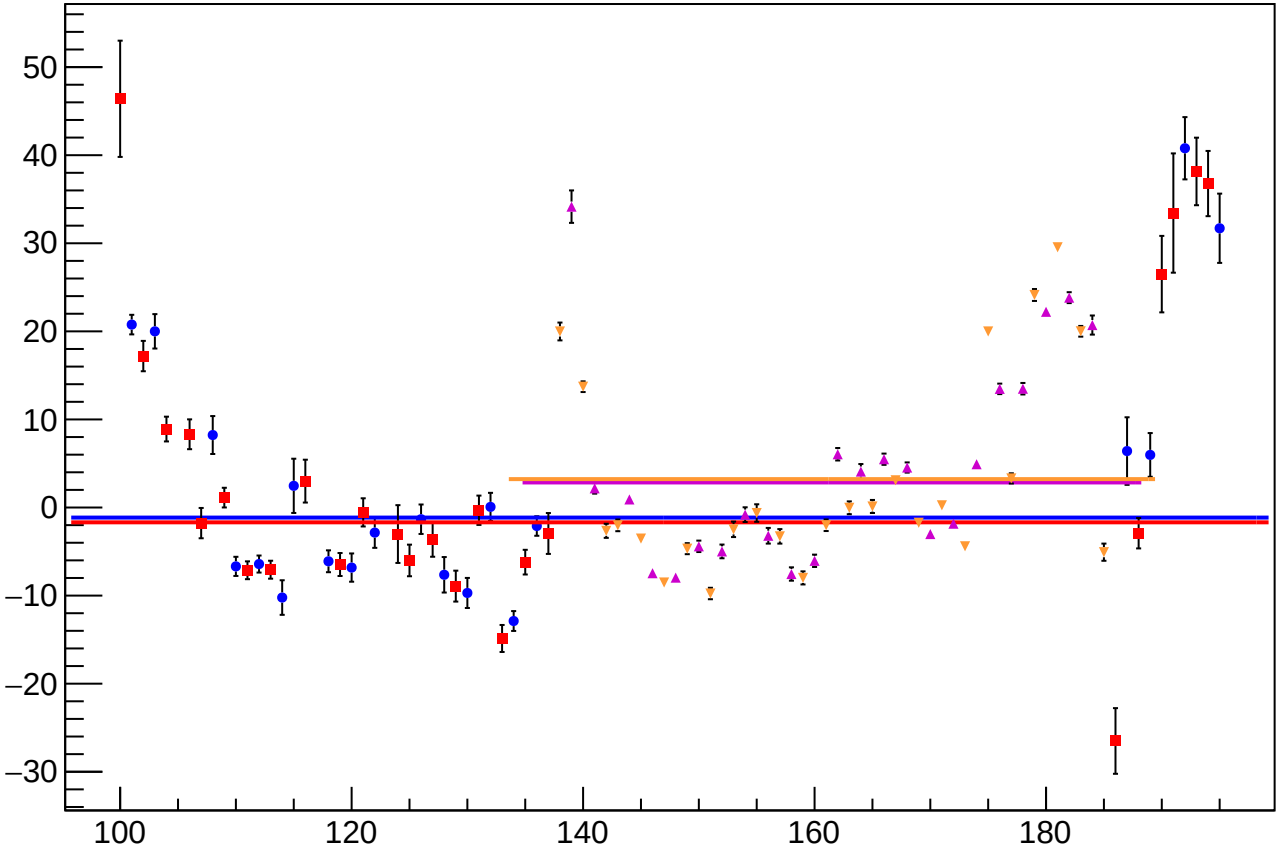
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.159+/-0.144 χ^2/NDF: 27622.2/44

All: -24.726+/-0.102 χ^2/NDF: 54235.0/92

- sign -23.307+/-0.144 χ^2/NDF: 26416.6/47

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: -1.682+/-0.342 χ^2/NDF: 784.5/24

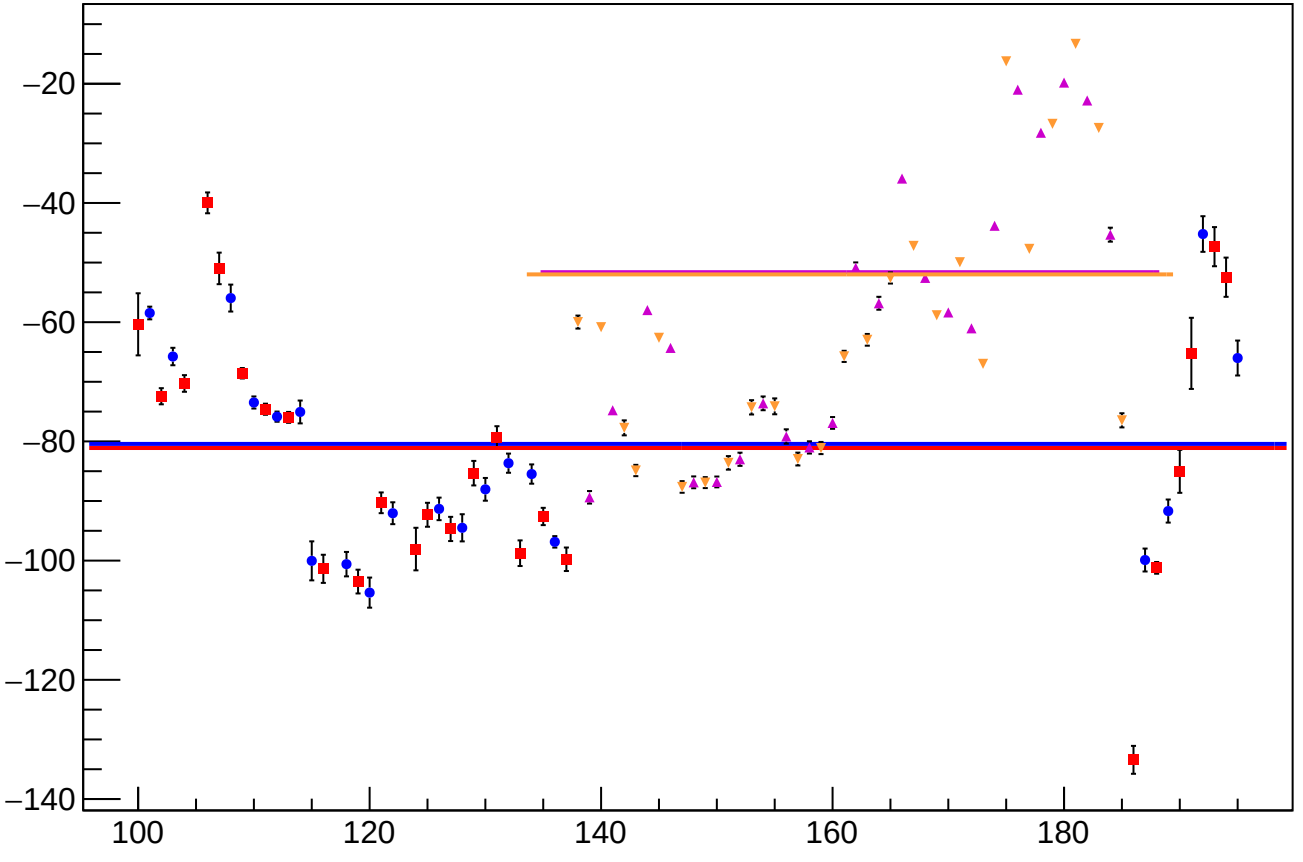
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.703+/-0.120 χ^2/NDF: 8815.4/44

All: 2.488+/-0.086 χ^2/NDF: 15214.6/92

- sign 2.264+/-0.123 χ^2/NDF: 6392.7/47

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: -81.110+/-0.324 χ^2/NDF: 2742.5/24

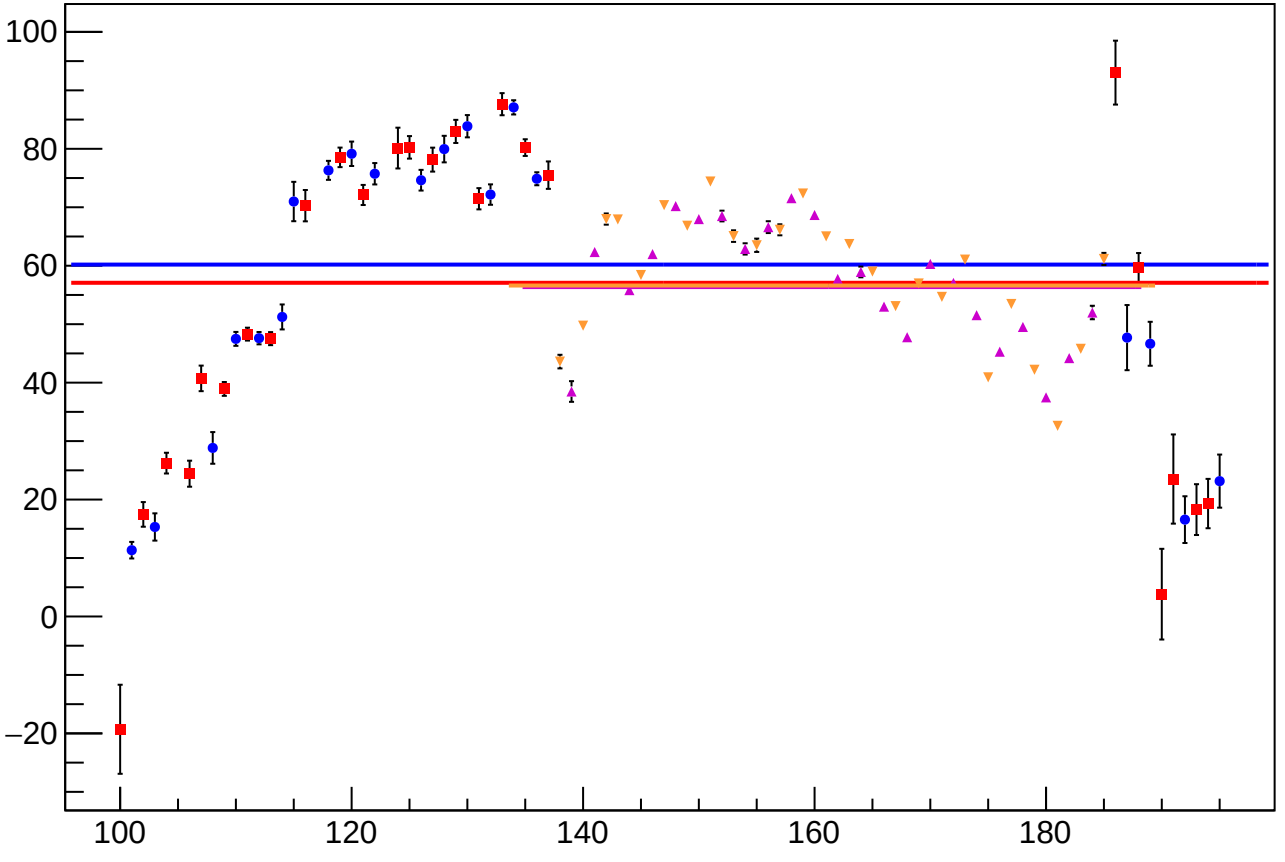
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.212+/-0.149 χ^2/NDF: 28051.0/44

All: -57.562+/-0.106 χ^2/NDF: 54934.1/92

- sign -57.916+/-0.150 χ^2/NDF: 26872.0/47

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: 57.082+/-0.390 χ^2/NDF: 3048.7/24

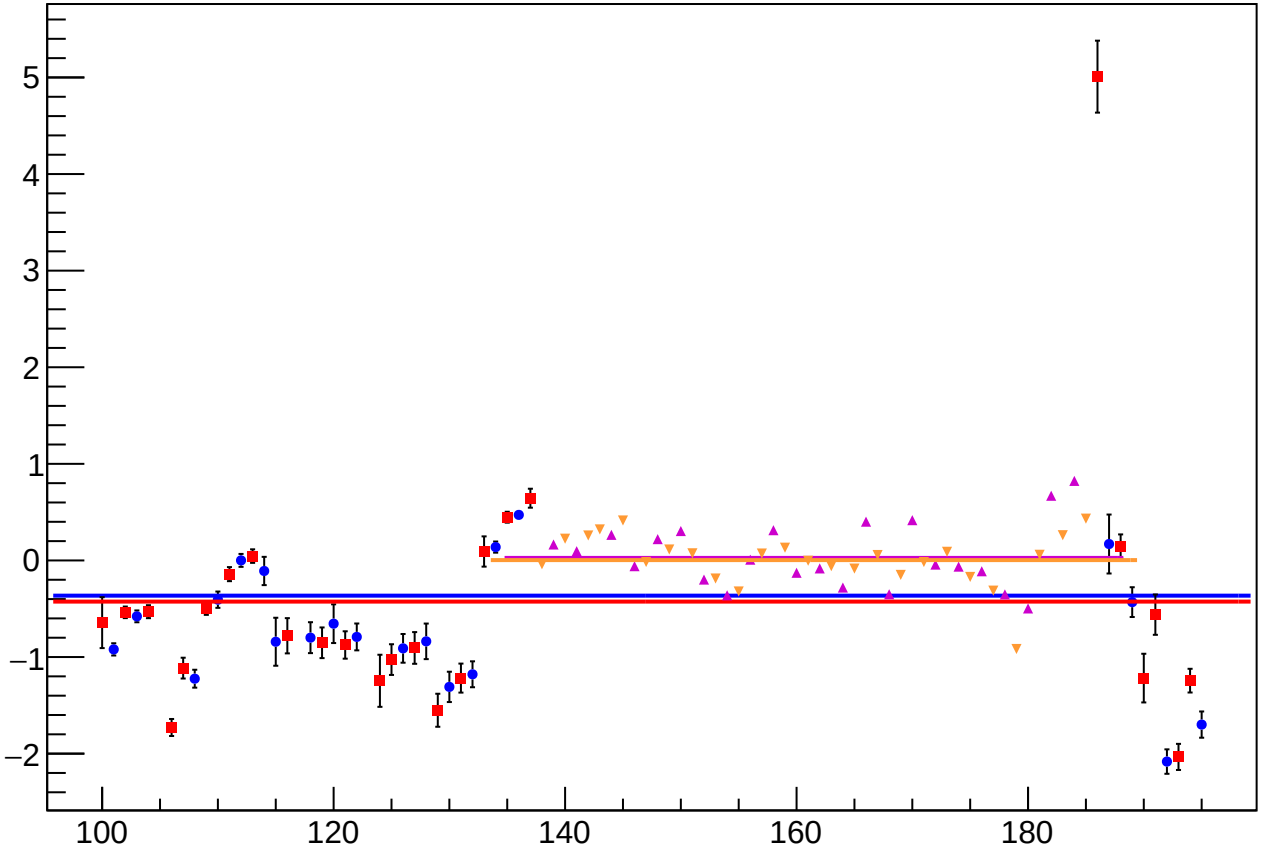
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.034+/-0.135 χ^2/NDF: 9177.6/44

All: 56.743+/-0.097 χ^2/NDF: 16207.5/92

- sign 56.439+/-0.138 χ^2/NDF: 7020.4/47

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: -0.426+/-0.021 χ^2/NDF: 1252.8/24

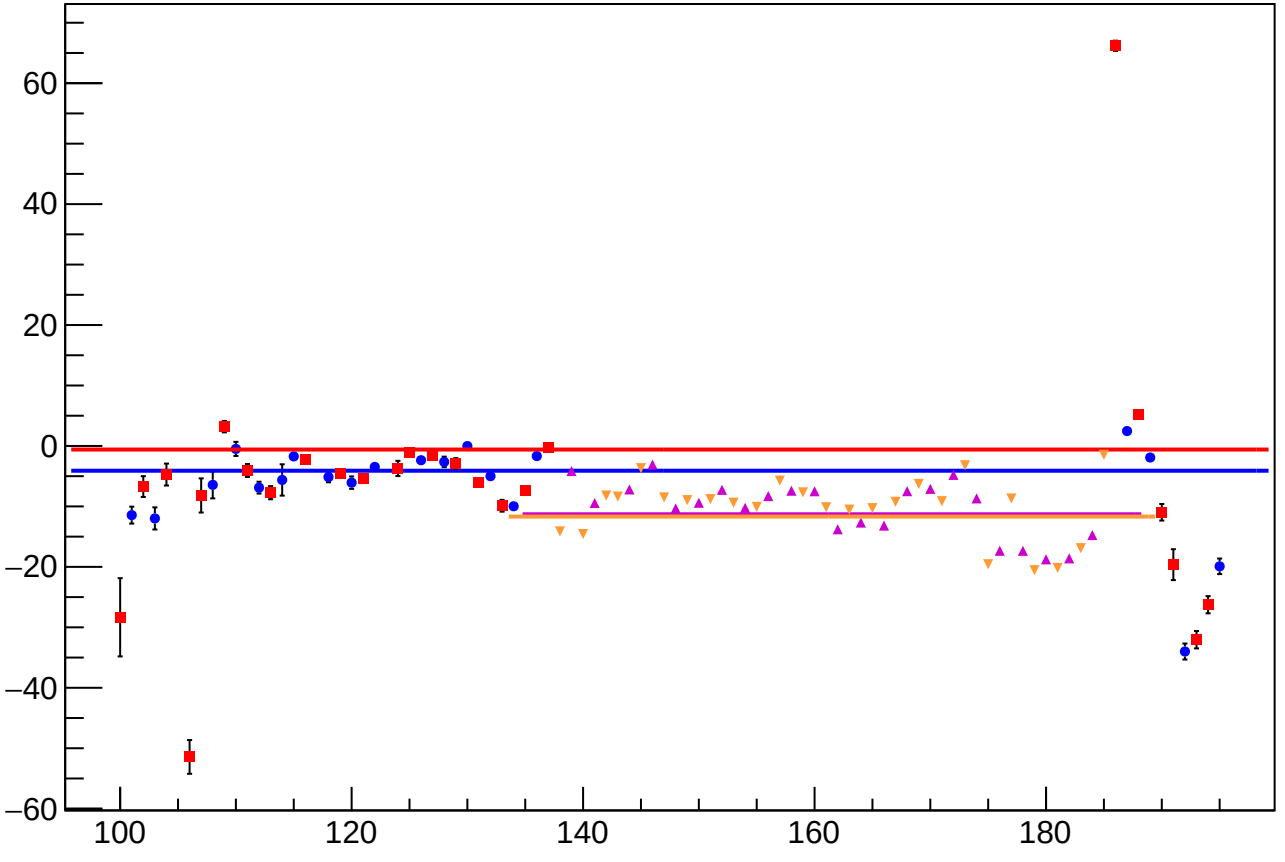
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.029+/-0.006 χ^2/NDF: 3012.7/44

All: -0.022+/-0.004 χ^2/NDF: 7047.7/92

- sign -0.015+/-0.006 χ^2/NDF: 4032.6/47

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: -0.592+/-0.172 χ^2/NDF: 8242.9/24

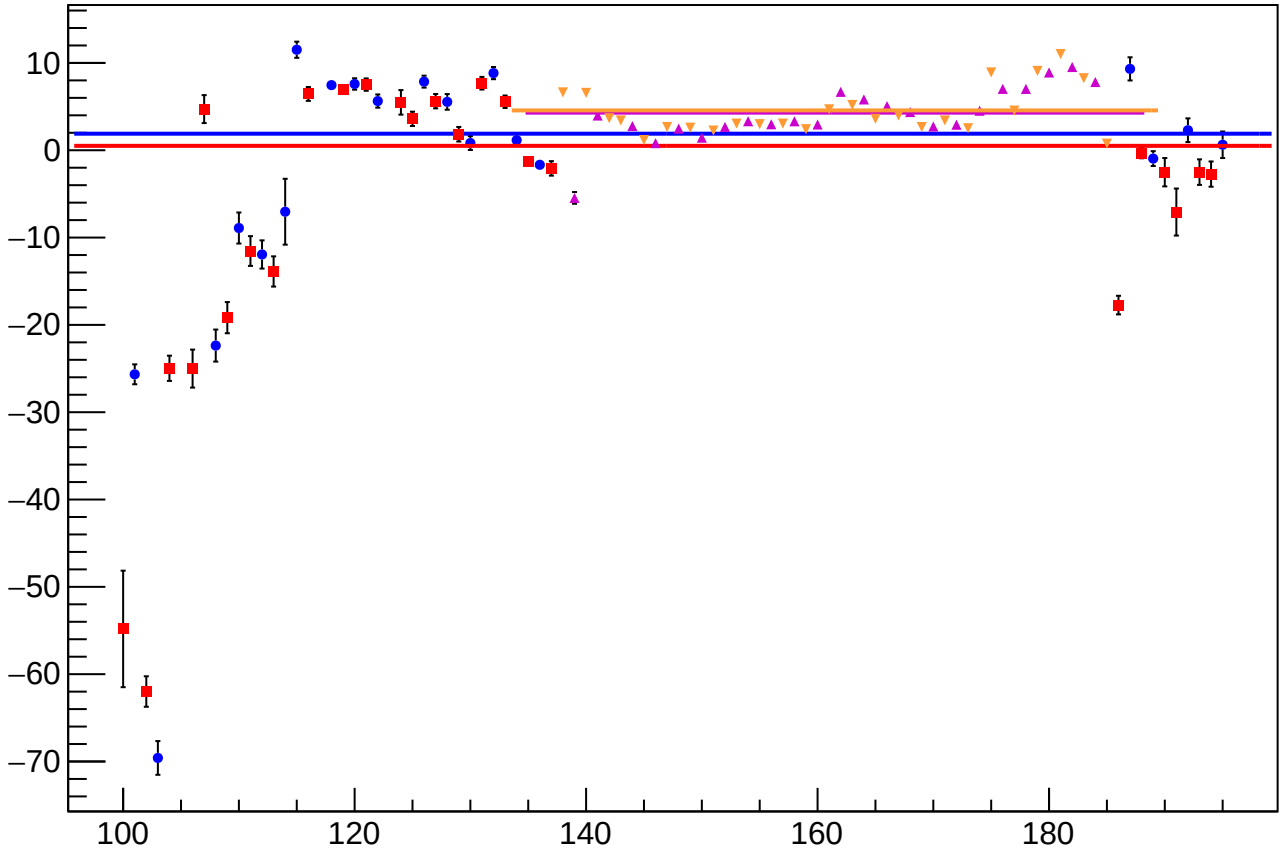
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.055+/-0.050 χ^2/NDF: 15288.0/44

All: -10.707+/-0.036 χ^2/NDF: 36379.7/92

- sign -10.343+/-0.051 χ^2/NDF: 20994.0/47

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: 0.504+/-0.188 χ^2/NDF: 2900.2/24

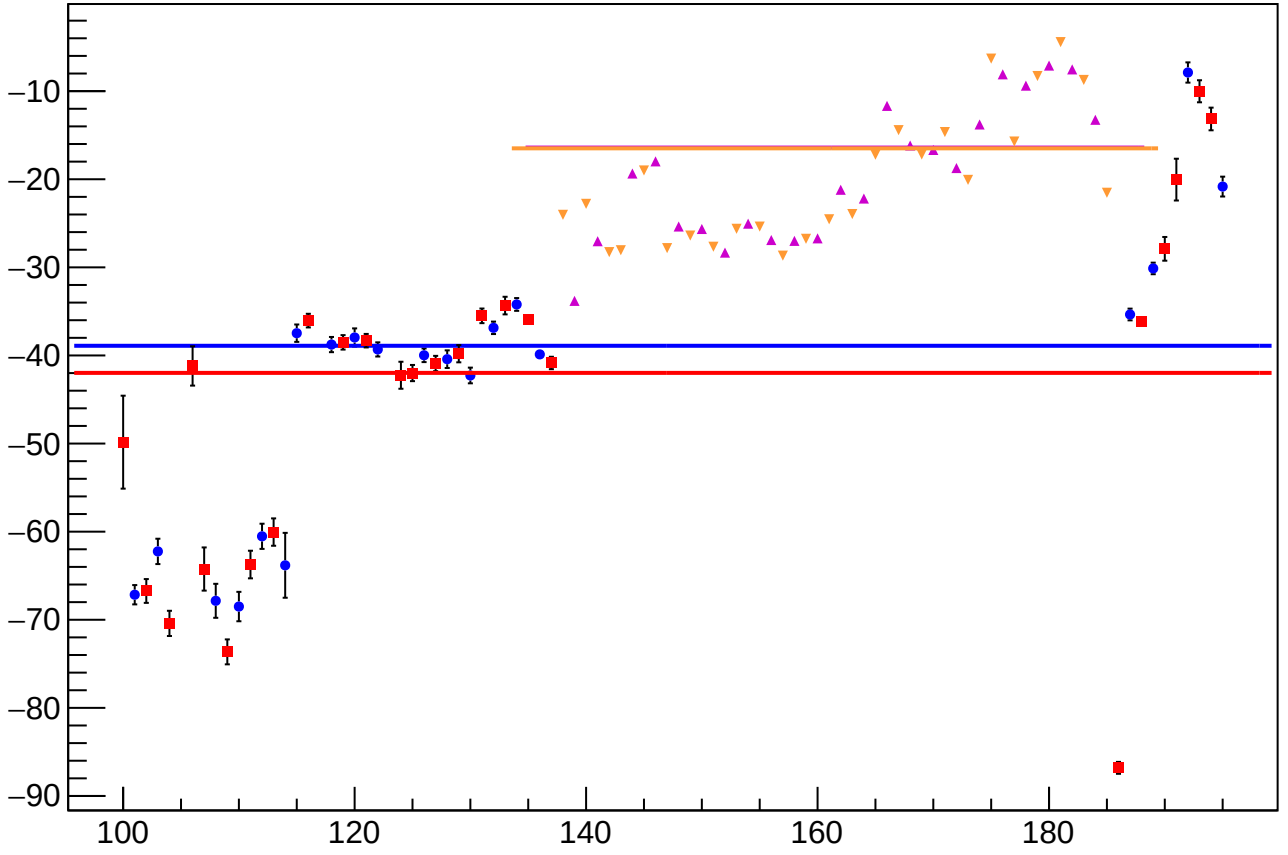
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.430+/-0.040 χ^2/NDF: 7446.8/44

All: 4.281+/-0.029 χ^2/NDF: 14372.1/92

- sign 4.127+/-0.041 χ^2/NDF: 6897.7/47

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: -41.978+/-0.177 χ^2/NDF: 8020.8/24

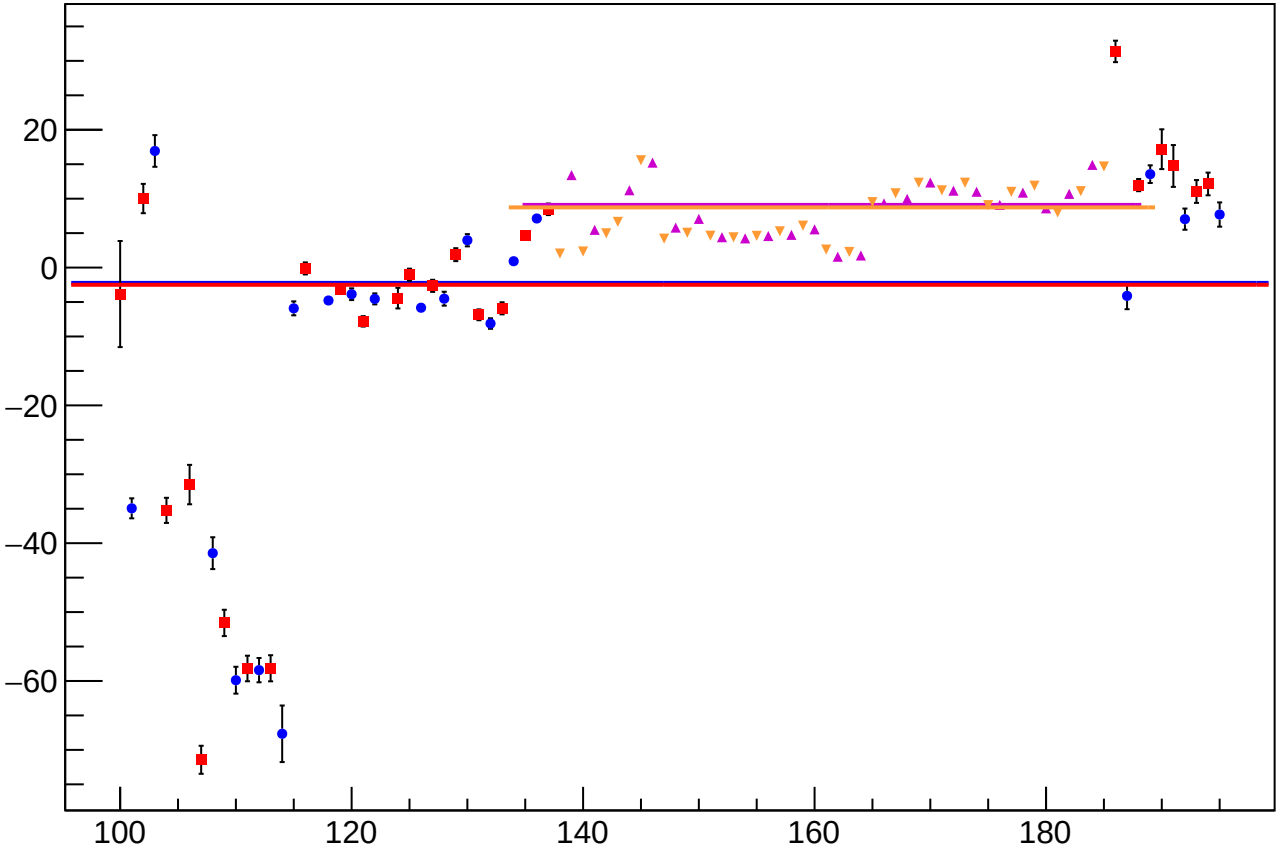
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.185+/-0.051 χ^2/NDF: 38608.9/44

All: -18.373+/-0.036 χ^2/NDF: 83745.1/92

- sign -18.568+/-0.052 χ^2/NDF: 45108.1/47

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: -2.497+/-0.217 χ^2/NDF: 5458.4/24

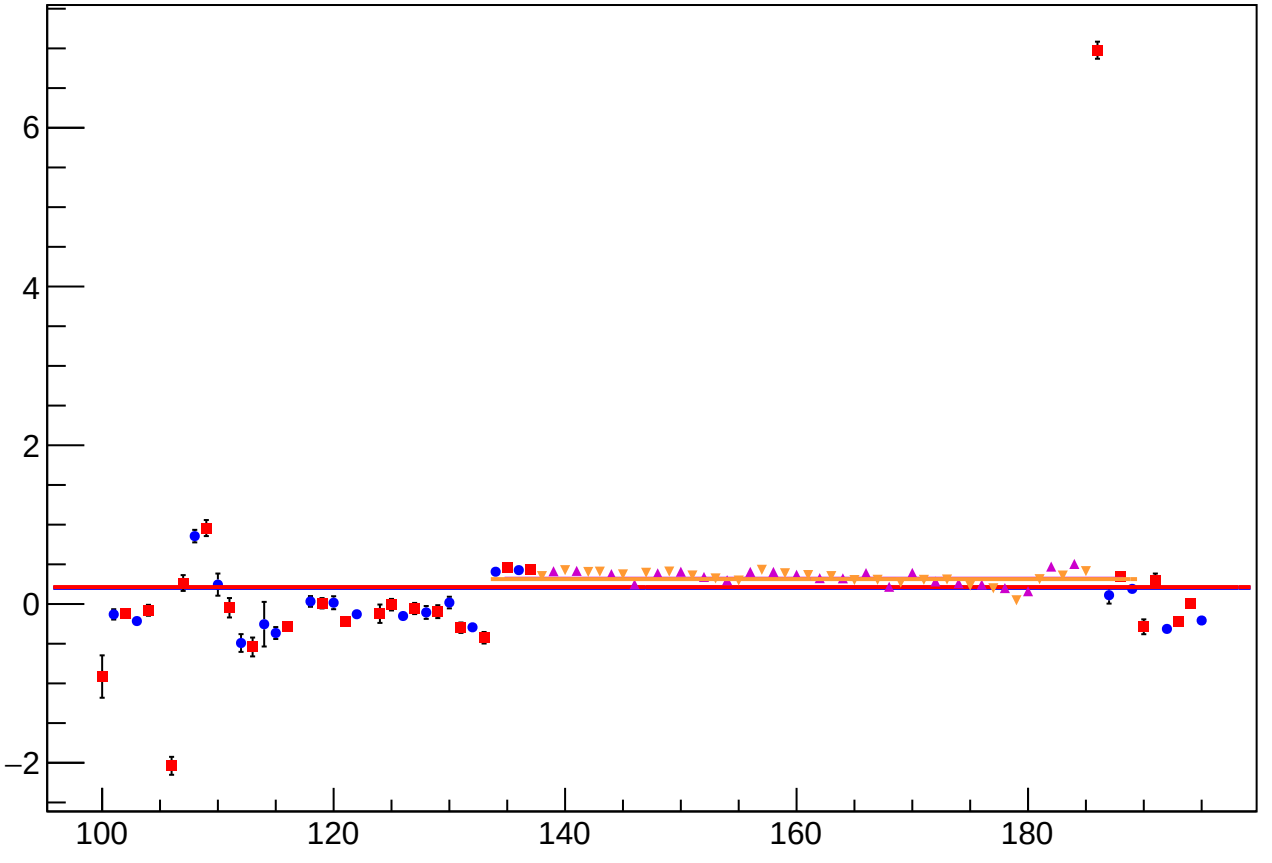
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.193+/-0.045 χ^2/NDF: 13615.1/44

All: 8.379+/-0.032 χ^2/NDF: 27576.6/92

- sign 8.574+/-0.046 χ^2/NDF: 13926.5/47

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: 0.214+/-0.012 χ^2/NDF: 5123.8/24

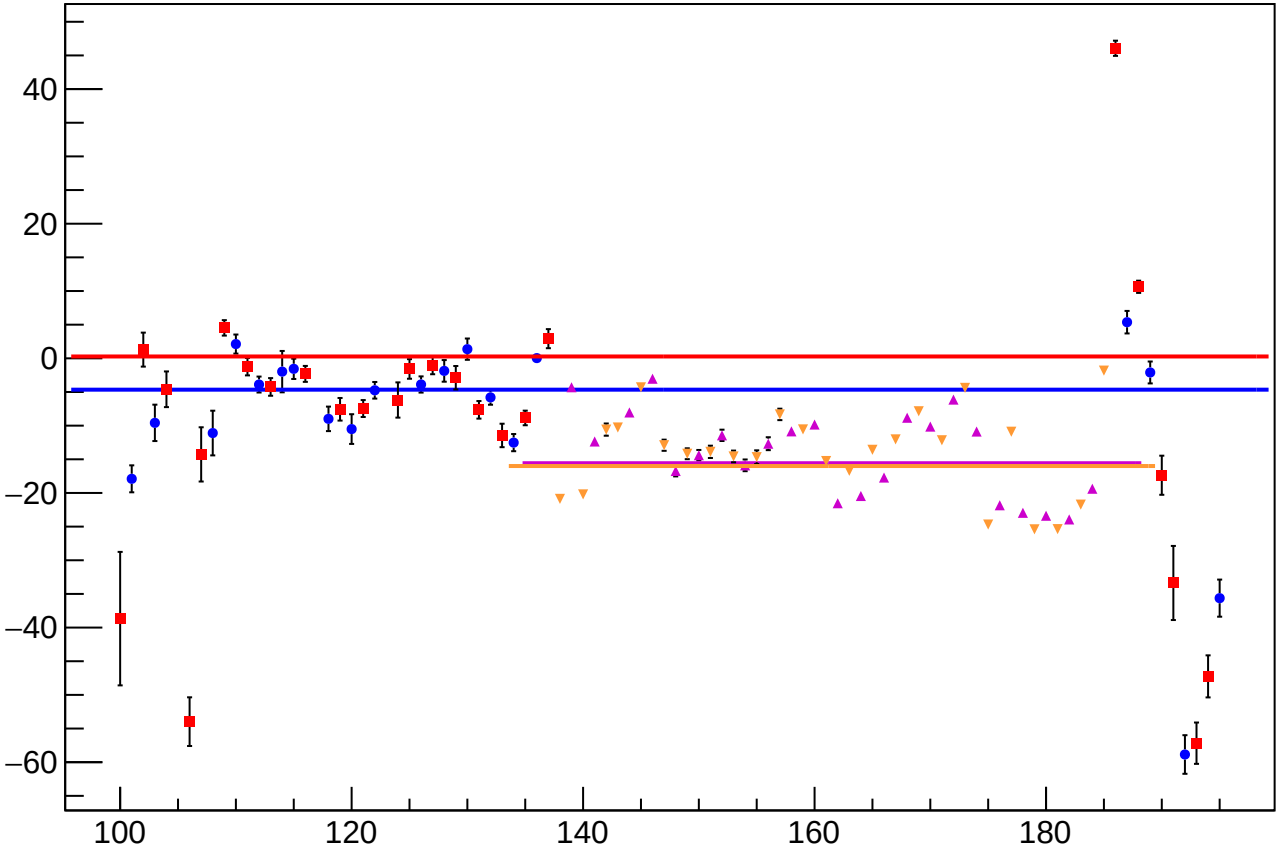
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.310+/-0.002 χ^2/NDF: 2529.7/44

All: 0.313+/-0.001 χ^2/NDF: 9522.8/92

- sign 0.315+/-0.002 χ^2/NDF: 6989.5/47

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: 0.276+/-0.313 χ^2/NDF: 2947.9/24

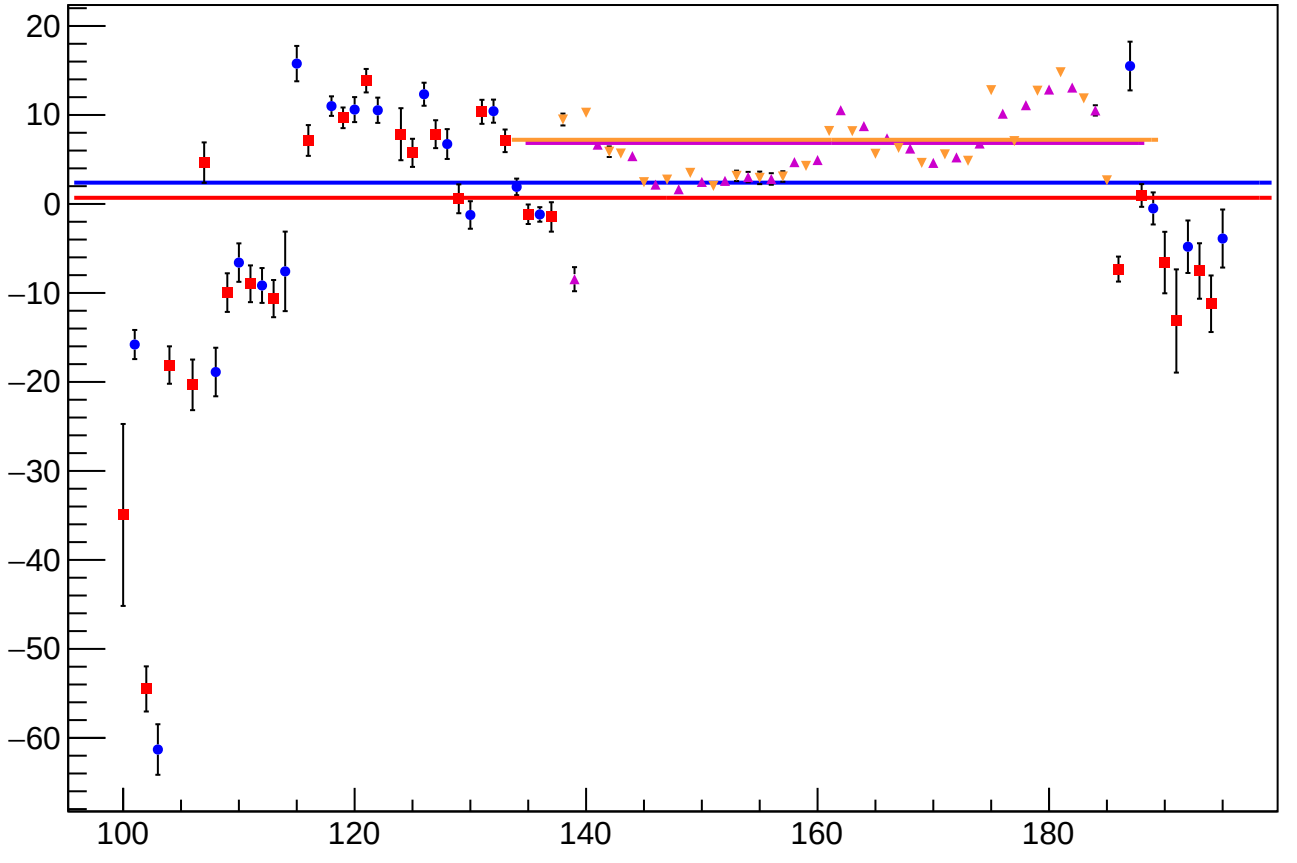
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.042+/-0.095 χ^2/NDF: 7778.3/44

All: -14.560+/-0.068 χ^2/NDF: 17860.1/92

- sign -14.059+/-0.097 χ^2/NDF: 10029.4/47

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: 0.693+/-0.350 χ^2/NDF: 1054.0/24

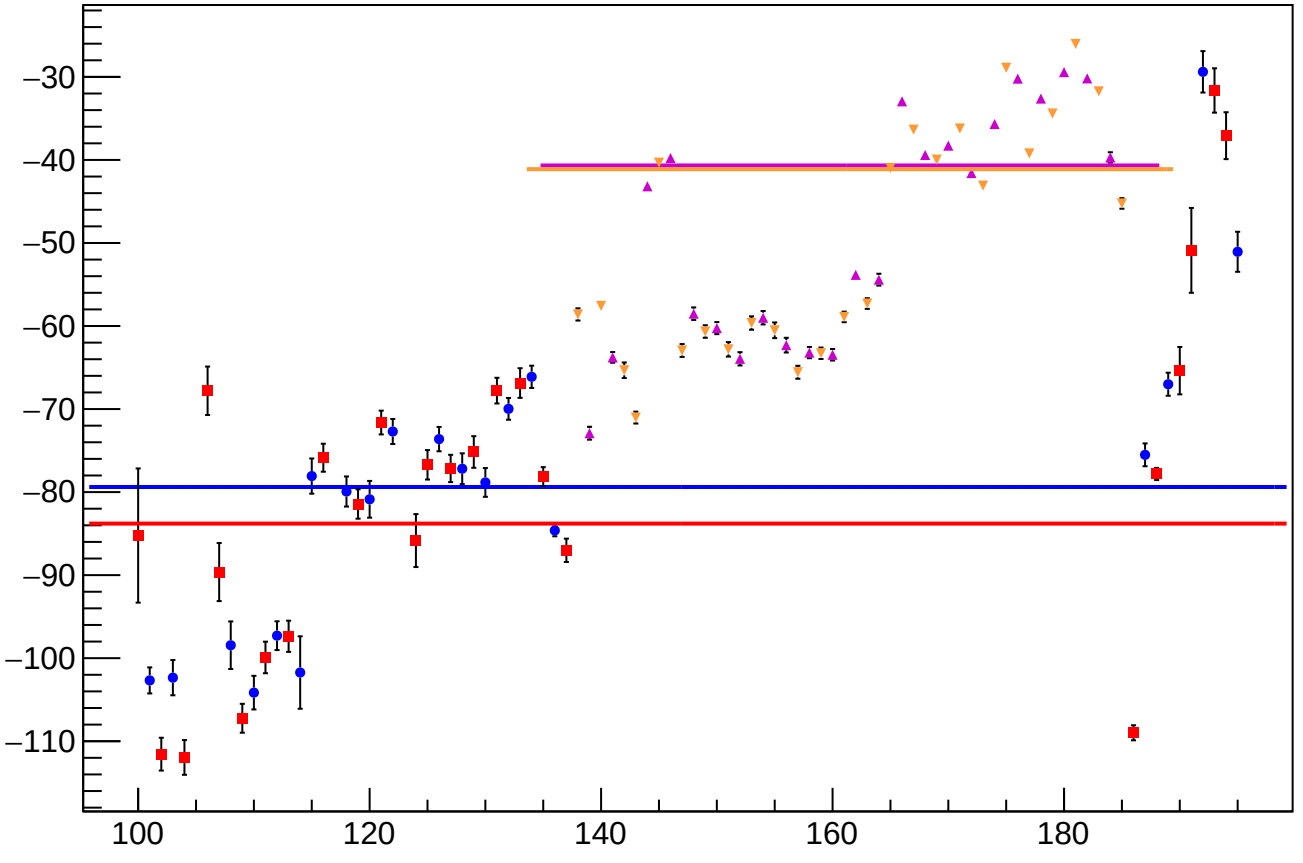
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.963+/-0.078 χ^2/NDF: 3725.1/44

All: 6.755+/-0.055 χ^2/NDF: 7243.5/92

- sign 6.543+/-0.079 χ^2/NDF: 3504.1/47

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: -83.793+/-0.327 χ^2/NDF: 2674.7/24

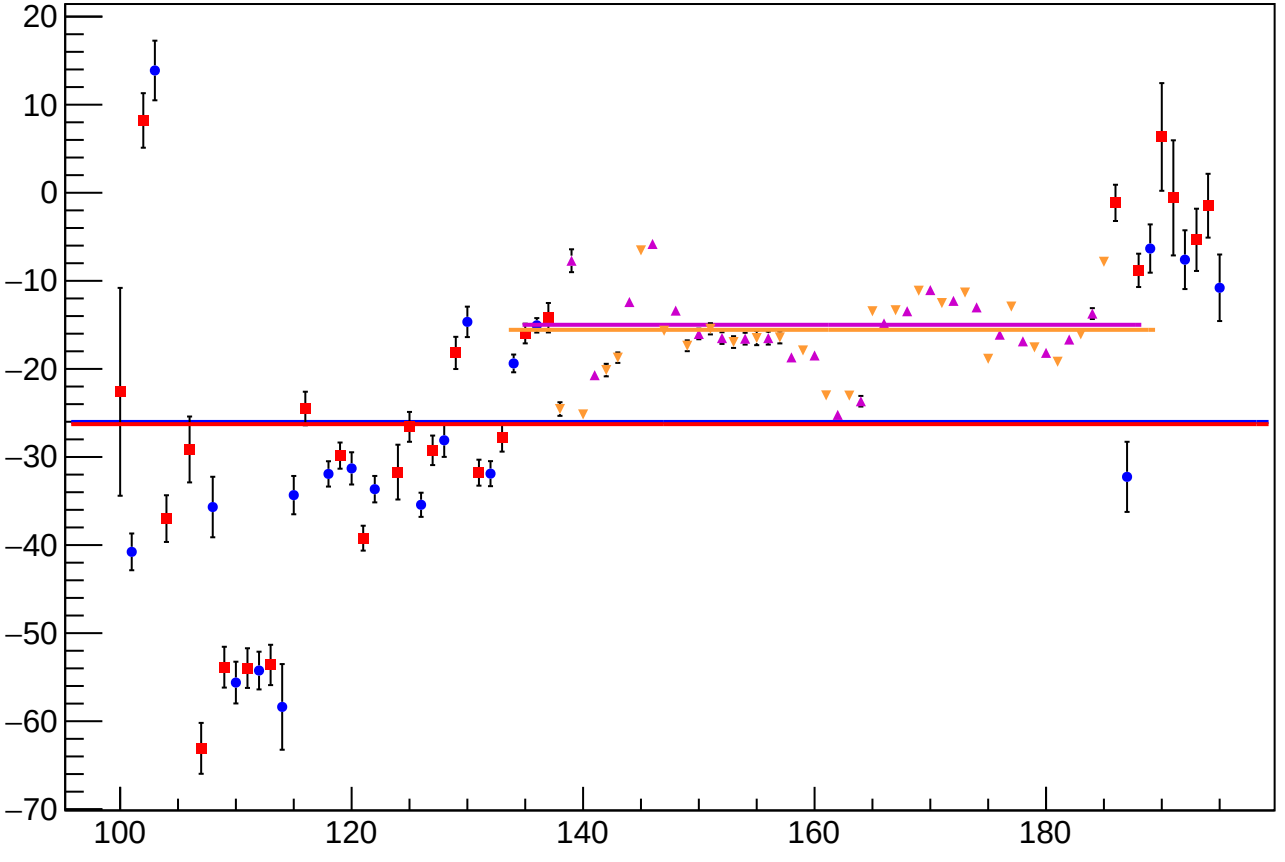
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.995+/-0.096 χ^2/NDF: 28574.5/44

All: -44.245+/-0.068 χ^2/NDF: 60637.3/92

- sign -44.501+/-0.098 χ^2/NDF: 32049.2/47

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: -26.271+/-0.405 χ^2/NDF: 1367.3/24

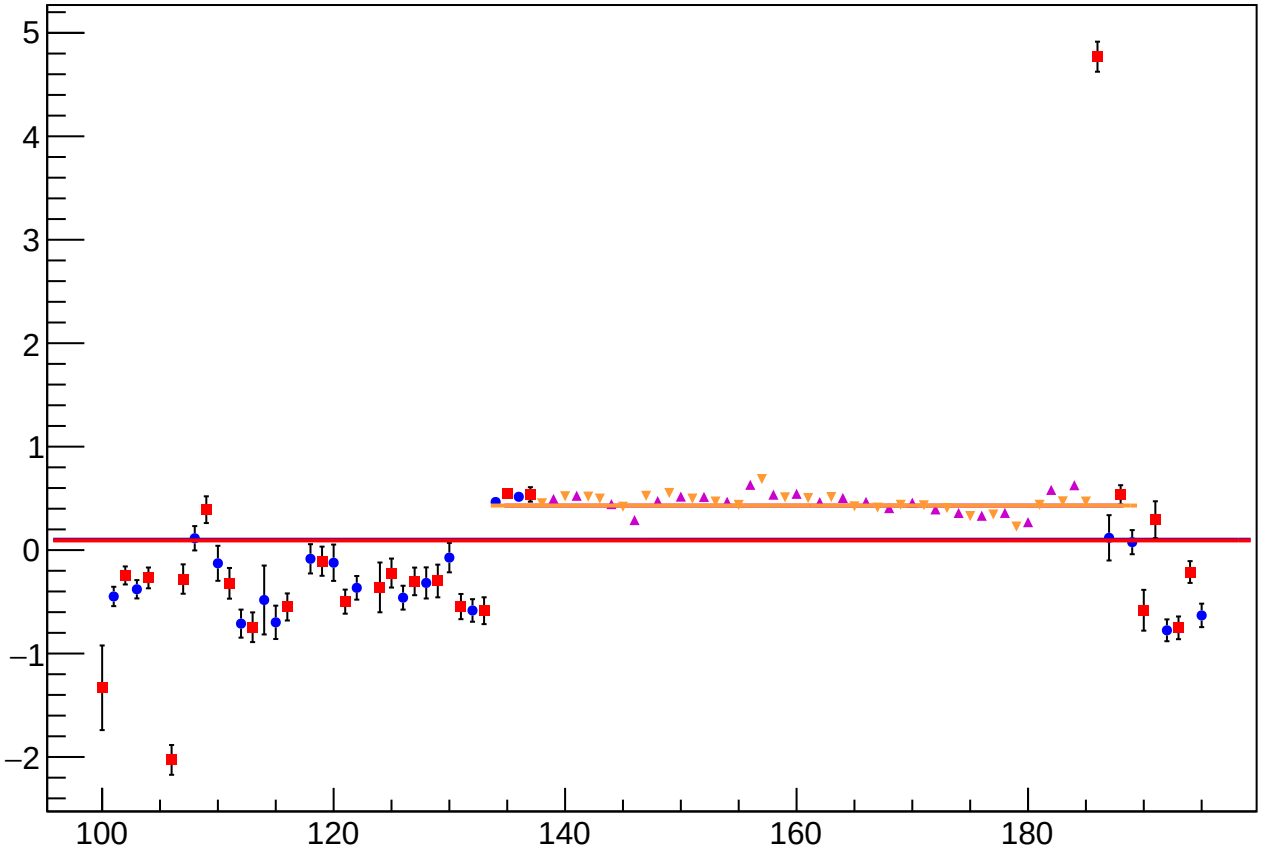
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.091+/-0.087 χ^2/NDF: 4318.3/44

All: -15.813+/-0.062 χ^2/NDF: 8597.3/92

- sign -15.524+/-0.088 χ^2/NDF: 4258.0/47

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

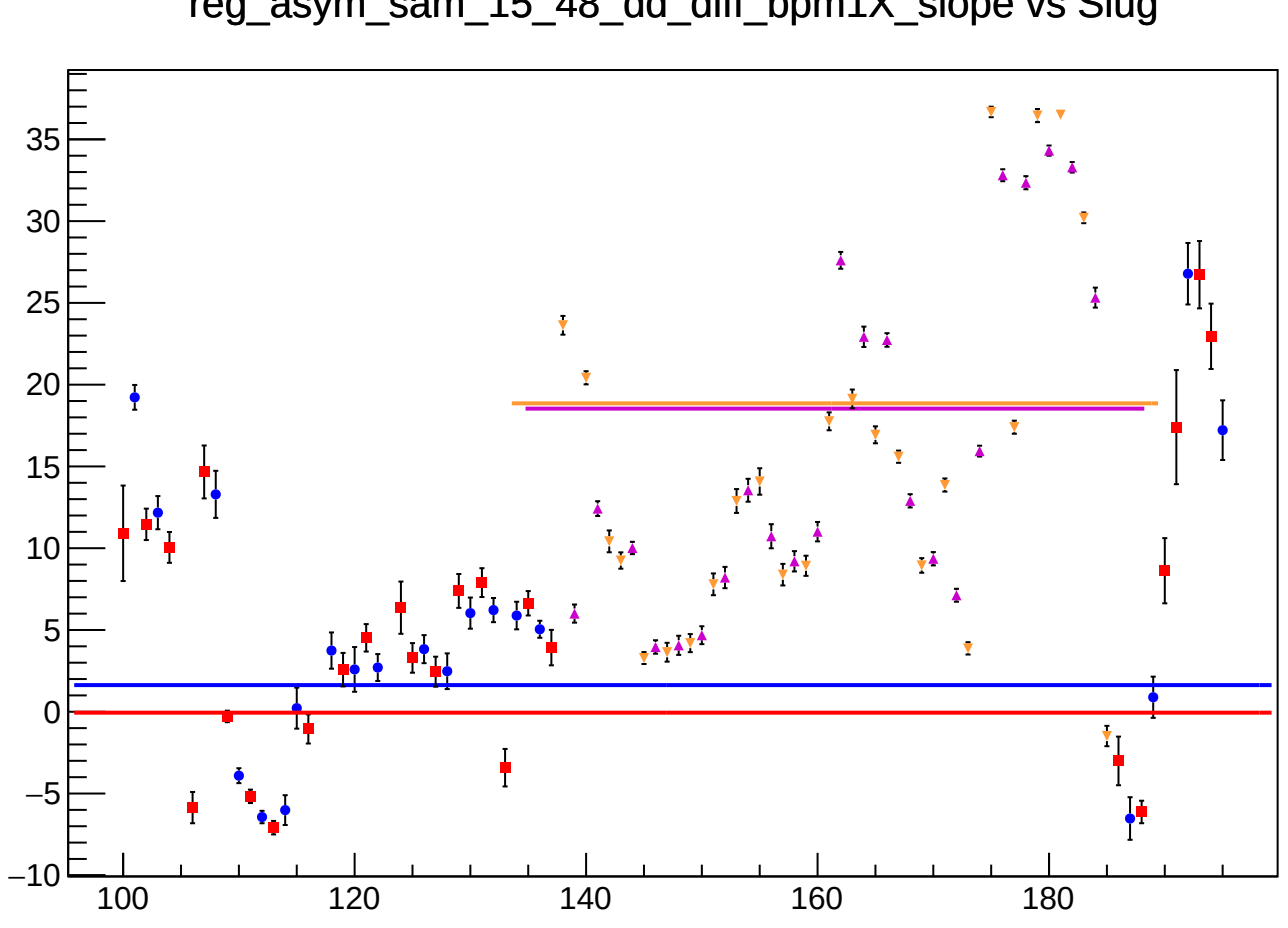
Right Out: 0.093+/-0.022 χ^2/NDF: 1727.8/24

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.418+/-0.004 χ^2/NDF: 1217.0/44

All: 0.419+/-0.003 χ^2/NDF: 3755.3/92

- sign 0.419+/-0.004 χ^2/NDF: 2538.4/47



Right In: 1.630+/-0.178 χ^2/NDF: 1814.9/19

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

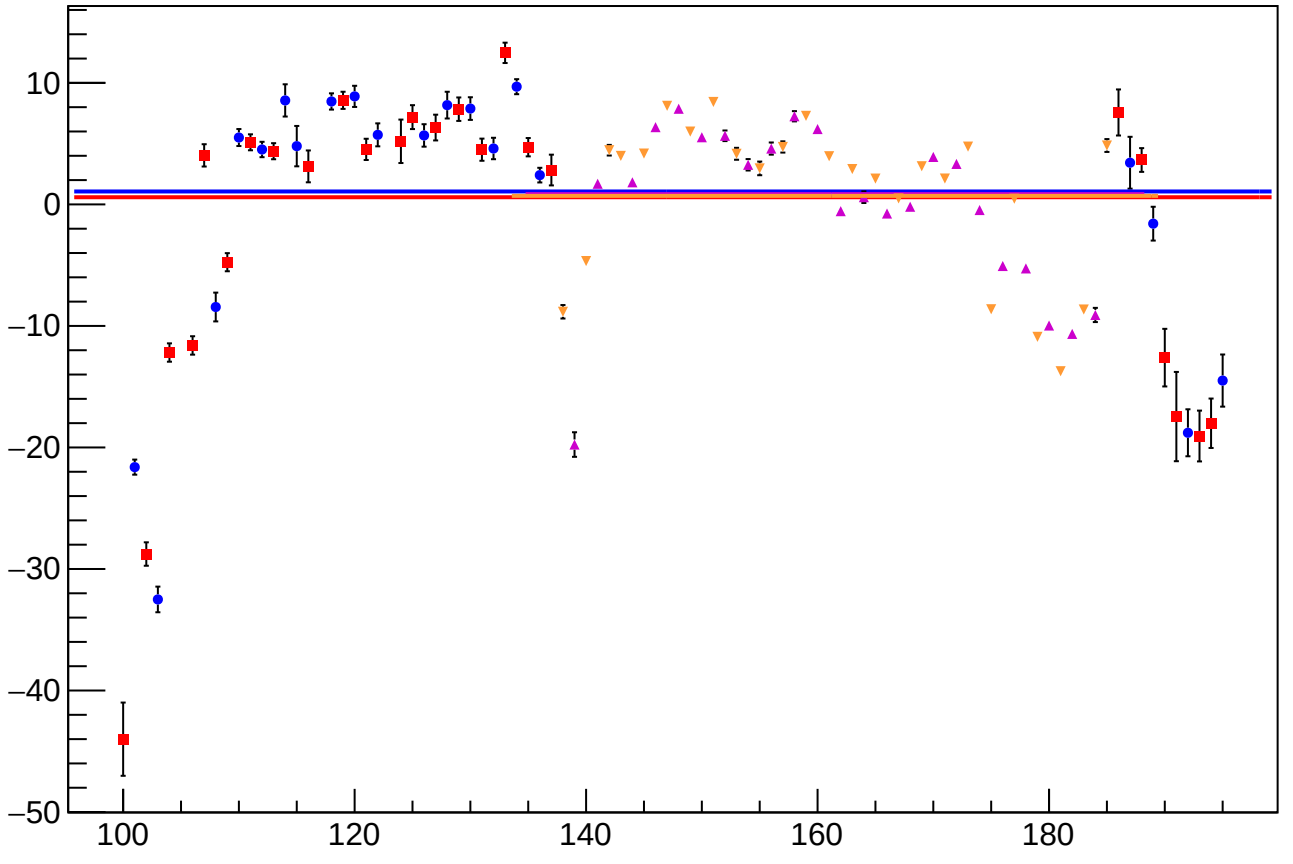
Right Out: -0.055+/-0.160 χ^2/NDF: 1574.8/24

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.319+/-0.081 χ^2/NDF: 27648.4/44

All: 14.570+/-0.057 χ^2/NDF: 53540.9/92

- sign 13.822+/-0.081 χ^2/NDF: 25720.0/47



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: 0.589+/-0.194 χ^2/NDF: 2629.9/24

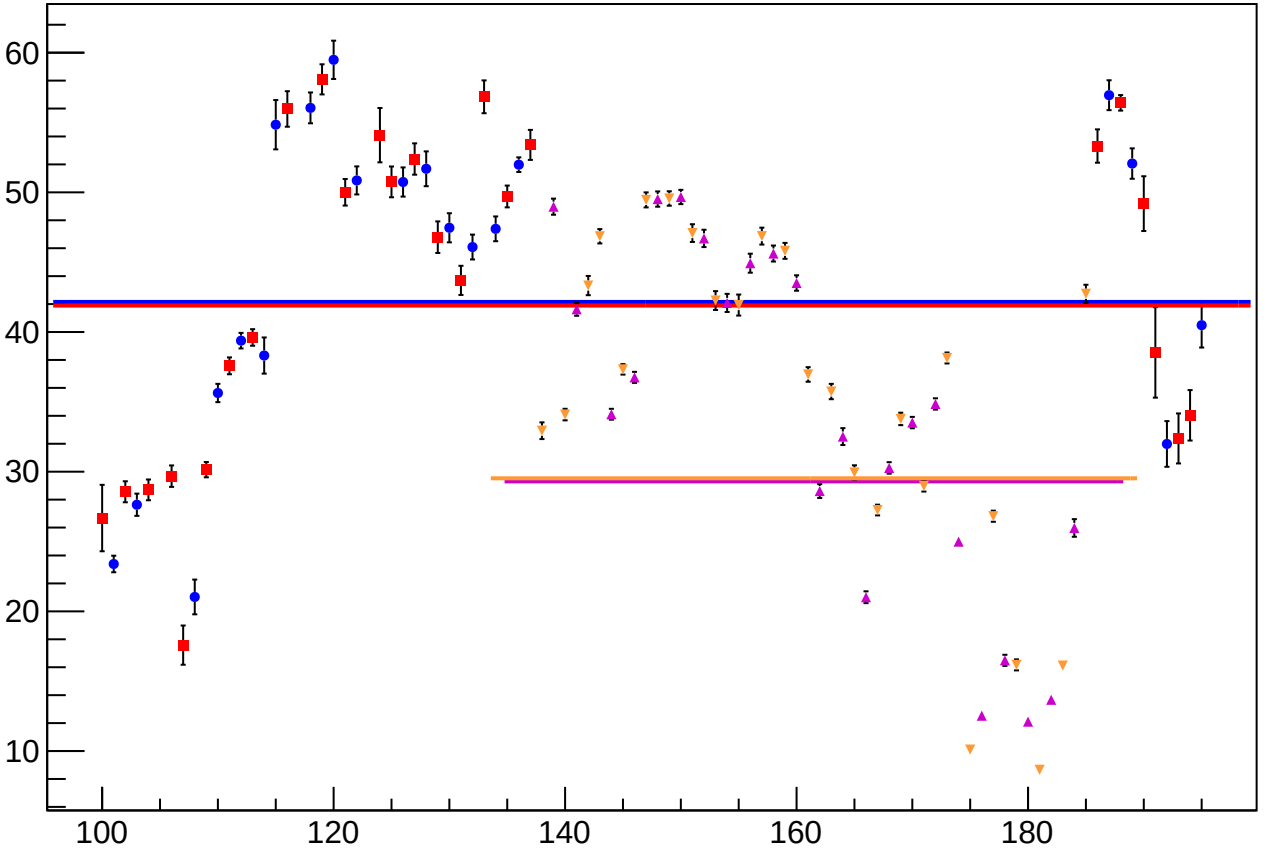
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.743+/-0.067 χ^2/NDF: 11487.7/44

All: 0.778+/-0.047 χ^2/NDF: 20165.1/92

- sign 0.815+/-0.068 χ^2/NDF: 8676.8/47

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: 41.894+/-0.185 χ^2/NDF: 3598.3/24

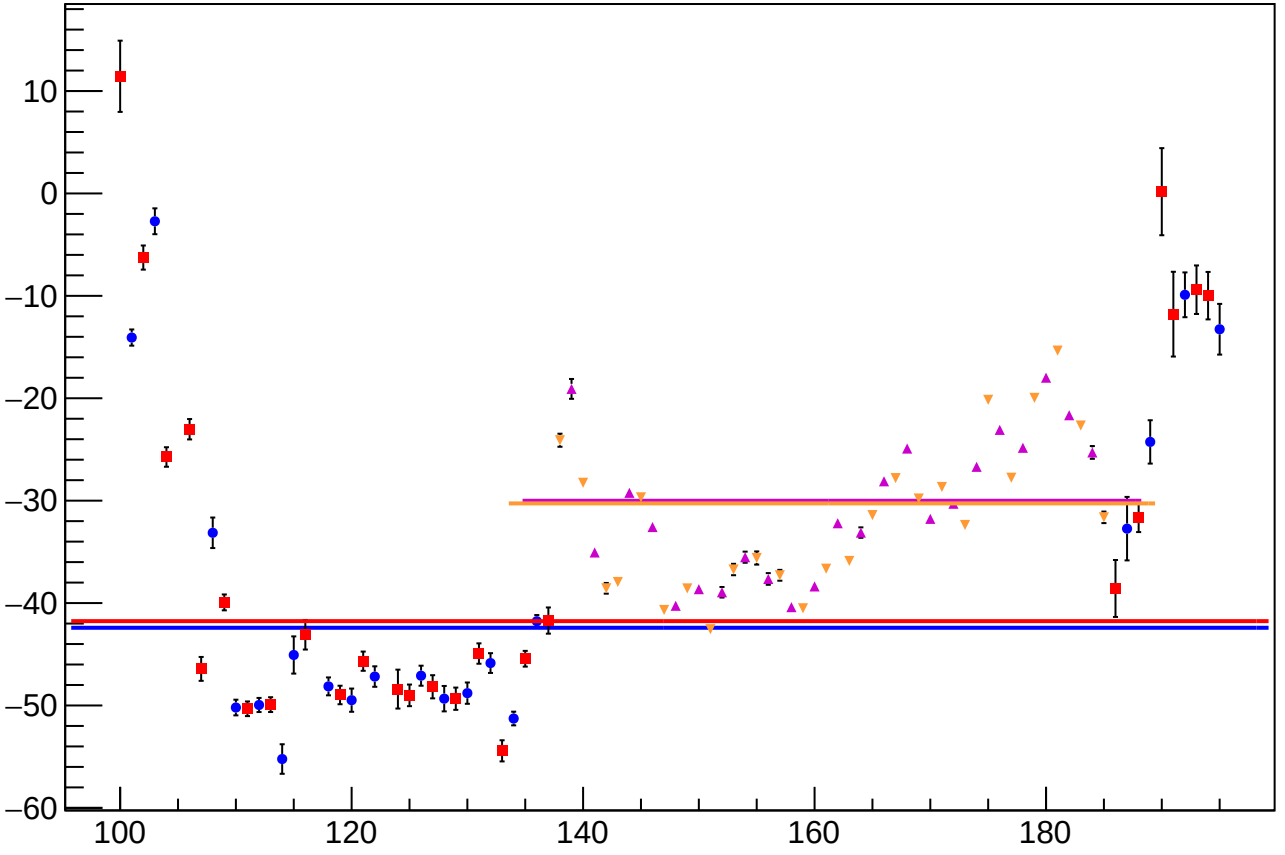
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.677+/-0.083 χ^2/NDF: 27466.1/44

All: 31.762+/-0.059 χ^2/NDF: 52630.7/92

- sign 31.849+/-0.083 χ^2/NDF: 25162.5/47

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: -41.764+/-0.223 χ^2/NDF: 3052.3/24

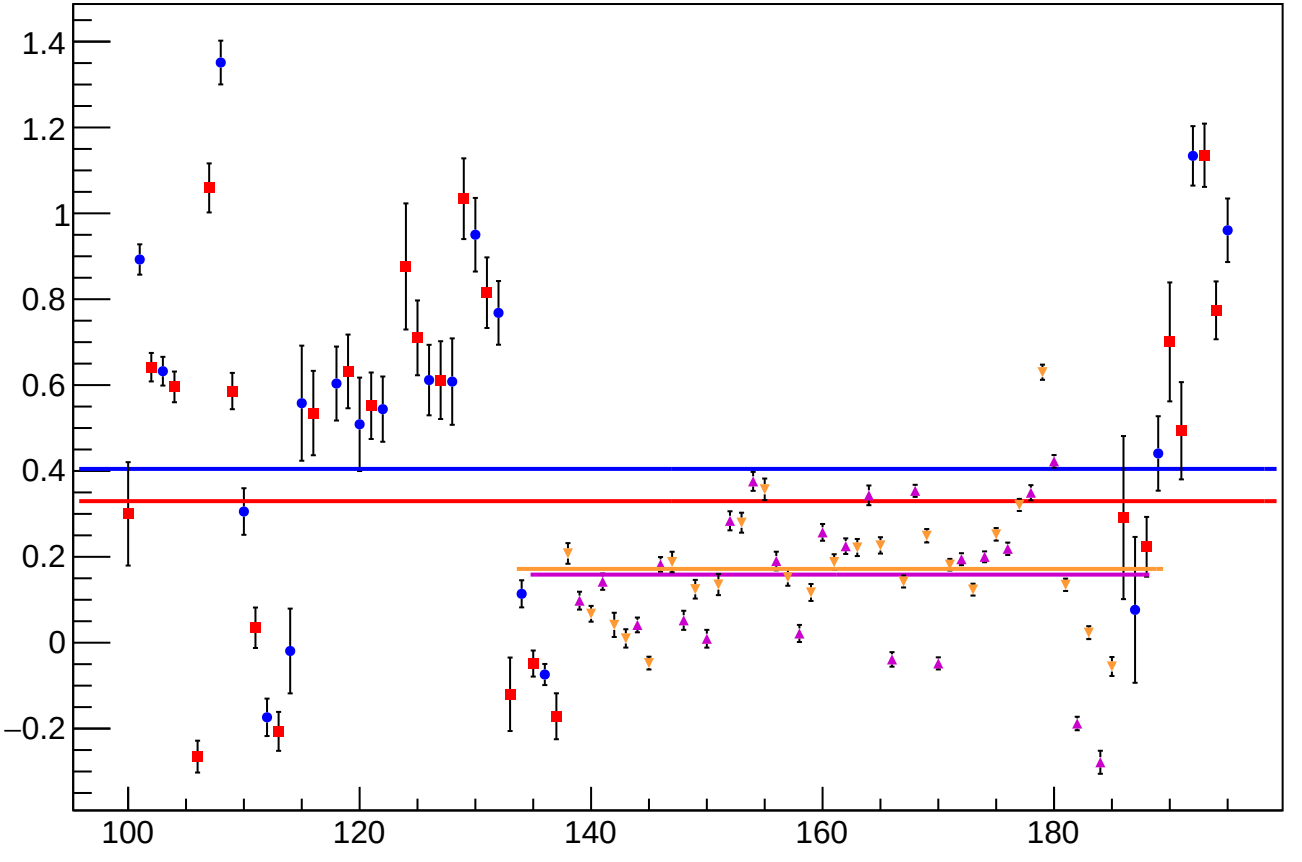
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.606+/-0.075 χ^2/NDF: 14529.5/44

All: -31.502+/-0.053 χ^2/NDF: 26124.9/92

- sign -31.393+/-0.076 χ^2/NDF: 11591.5/47

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: 0.330+/-0.011 χ^2/NDF: 1383.5/24

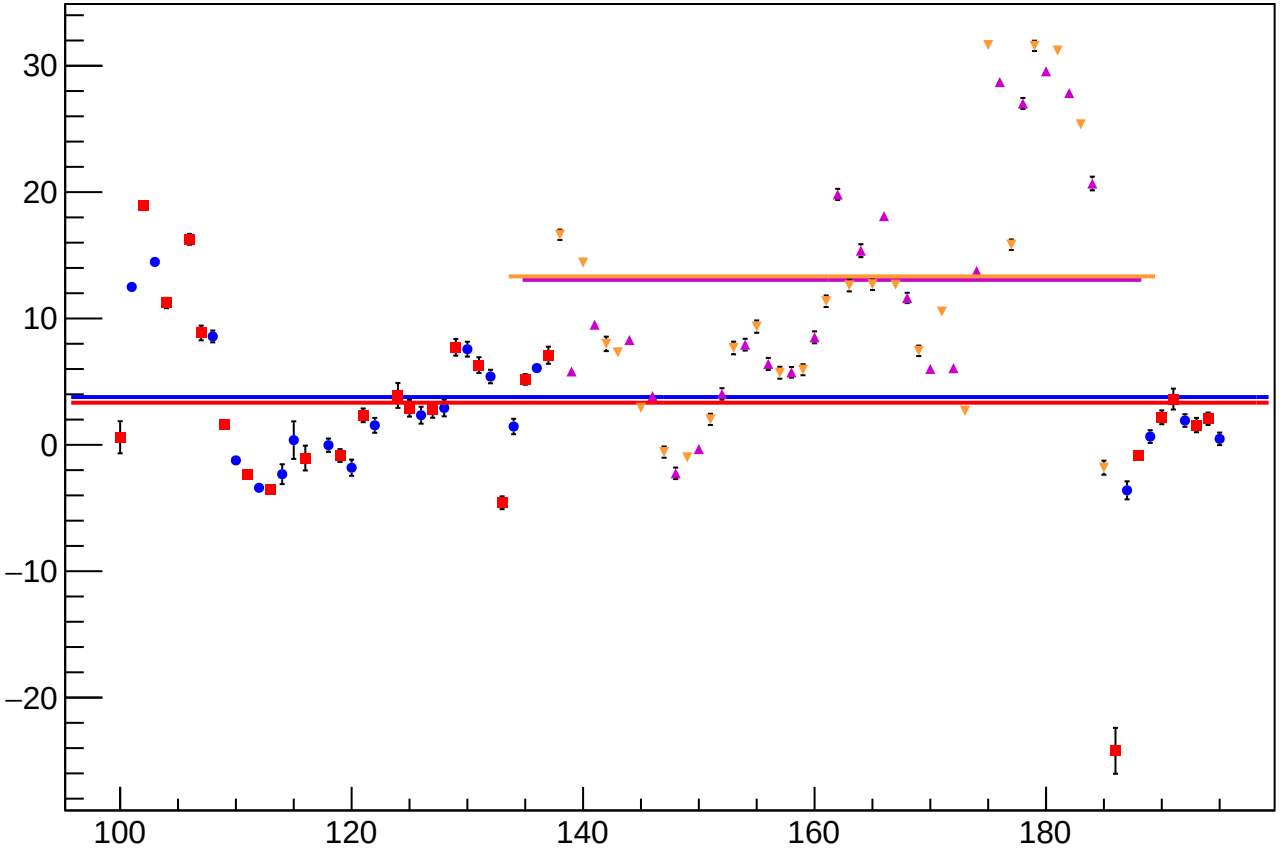
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.192+/-0.003 χ^2/NDF: 3363.9/44

All: 0.183+/-0.002 χ^2/NDF: 7149.7/92

- sign 0.174+/-0.003 χ^2/NDF: 3773.0/47

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: 3.336+/-0.095 χ^2/NDF: 4804.8/24

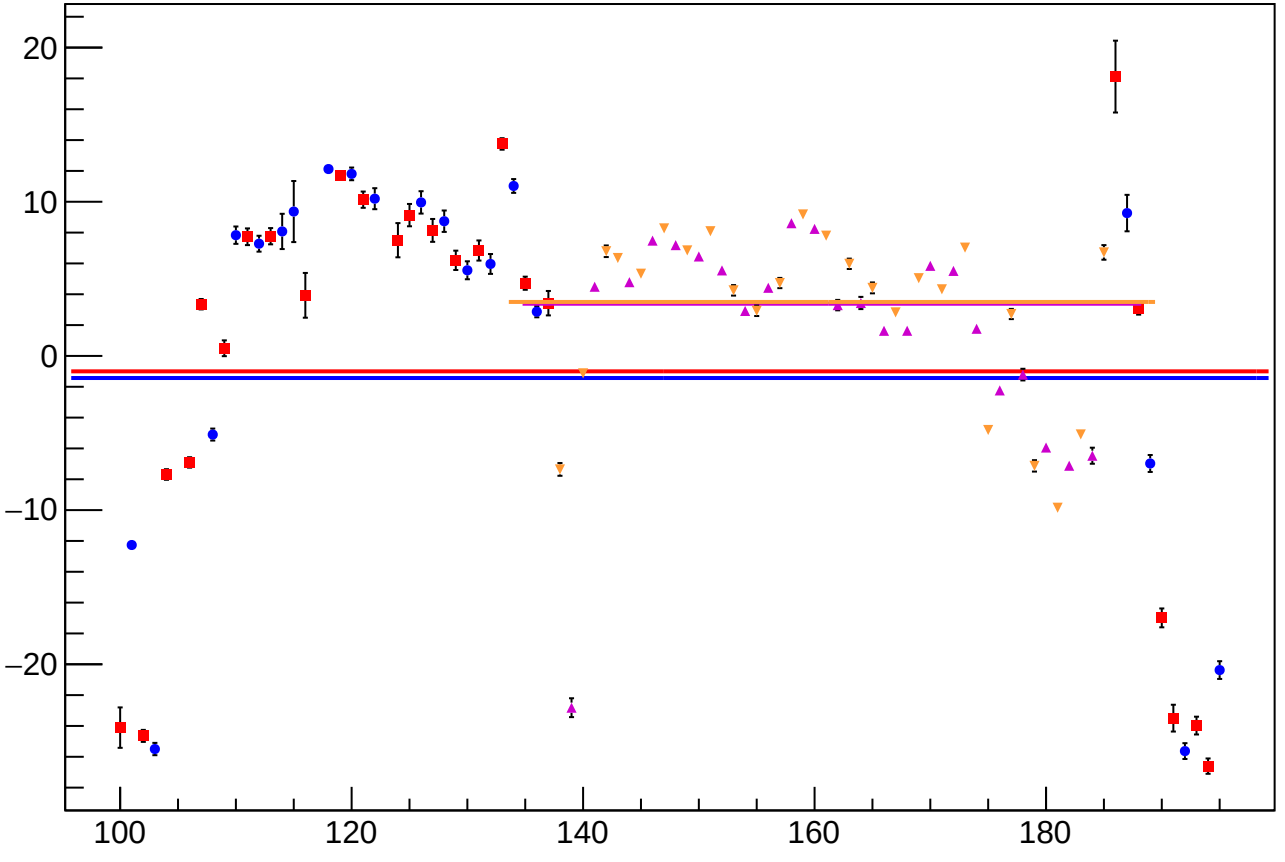
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.093+/-0.062 χ^2/NDF: 27535.0/44

All: 9.560+/-0.044 χ^2/NDF: 54235.0/92

- sign 9.054+/-0.061 χ^2/NDF: 26557.9/47

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: -1.000+/-0.100 χ^2/NDF: 15581.2/24

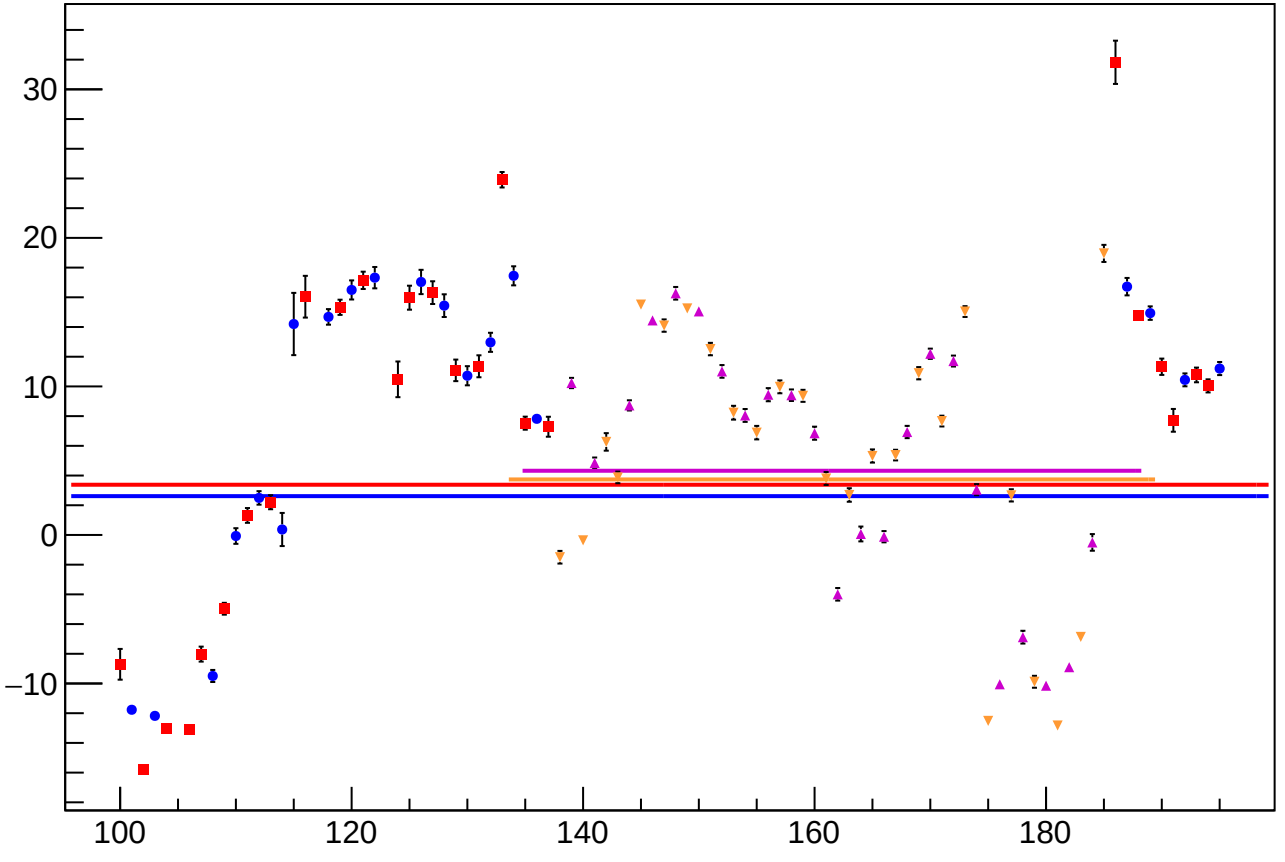
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.386+/-0.052 χ^2/NDF: 23805.7/44

All: 2.295+/-0.037 χ^2/NDF: 47494.8/92

- sign 2.202+/-0.052 χ^2/NDF: 23682.8/47

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

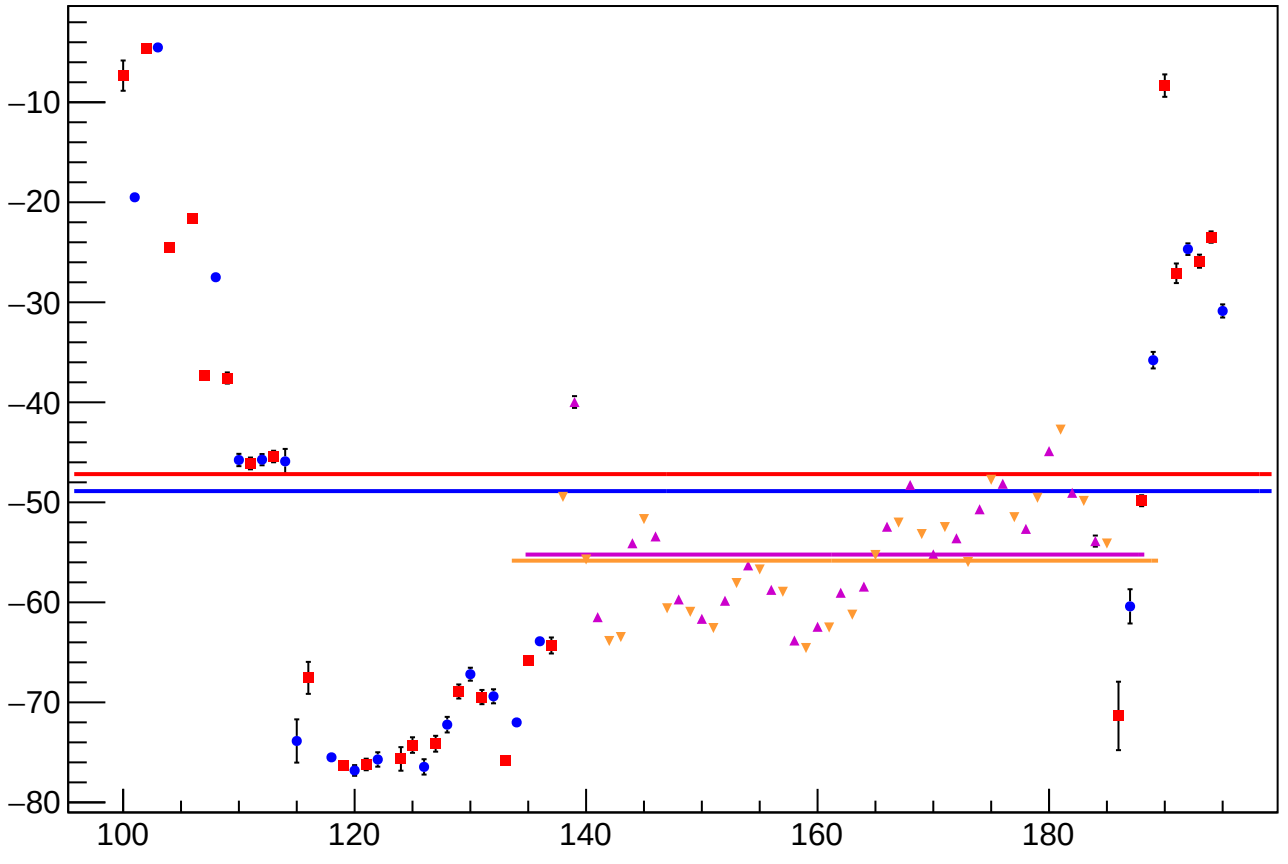
Right Out: 3.381+/-0.094 χ^2/NDF: 17957.7/24

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.355+/-0.062 χ^2/NDF: 27443.1/44

All: 3.654+/-0.043 χ^2/NDF: 57988.0/92

- sign 3.935+/-0.060 χ^2/NDF: 30500.0/47



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: -47.178+/-0.120 χ^2/NDF: 38850.4/24

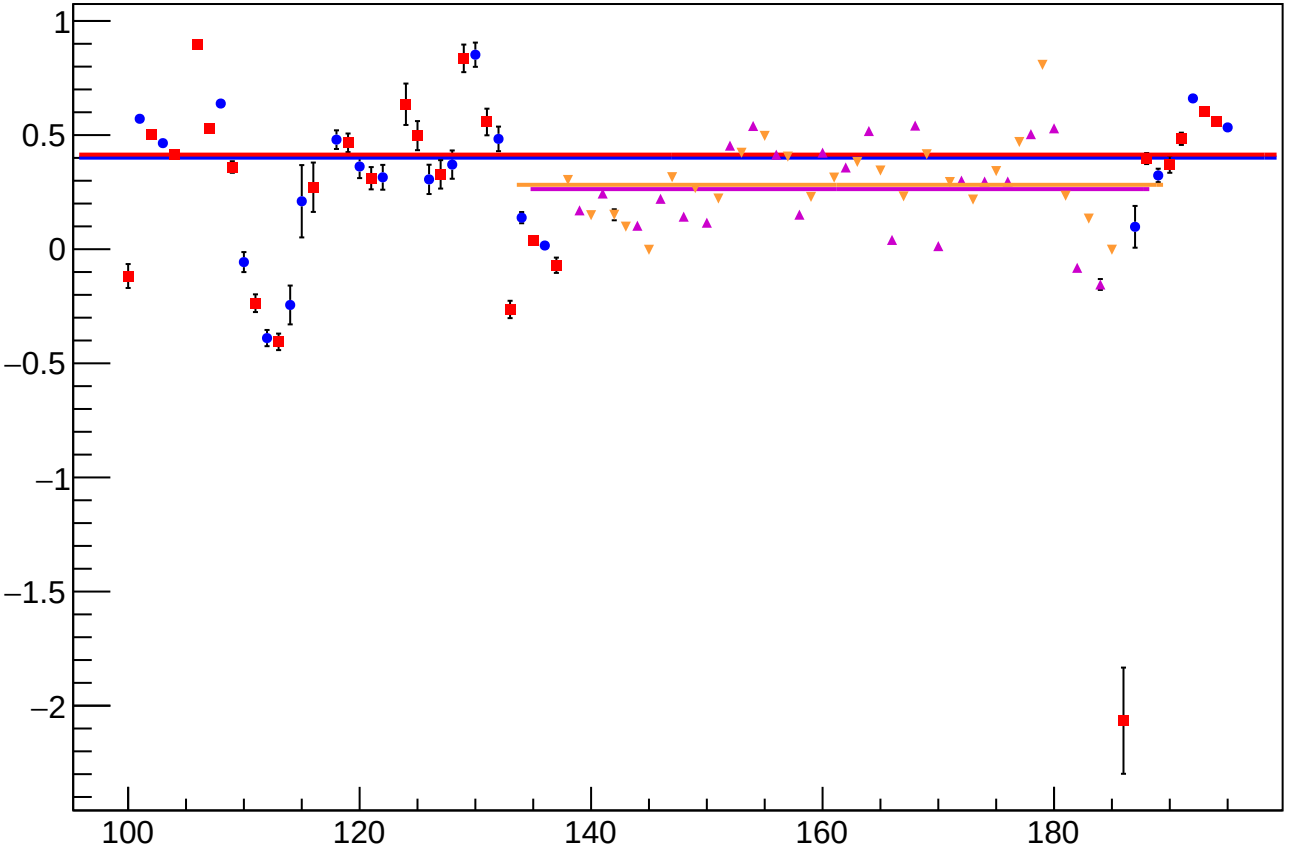
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

\+ sign -54.354+/-0.059 χ^2/NDF: 46777.4/44

All: -53.804+/-0.042 χ^2/NDF: 95524.4/92

\- sign -53.240+/-0.060 χ^2/NDF: 48570.4/47

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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: 0.414+/-0.005 χ^2/NDF: 3114.6/24

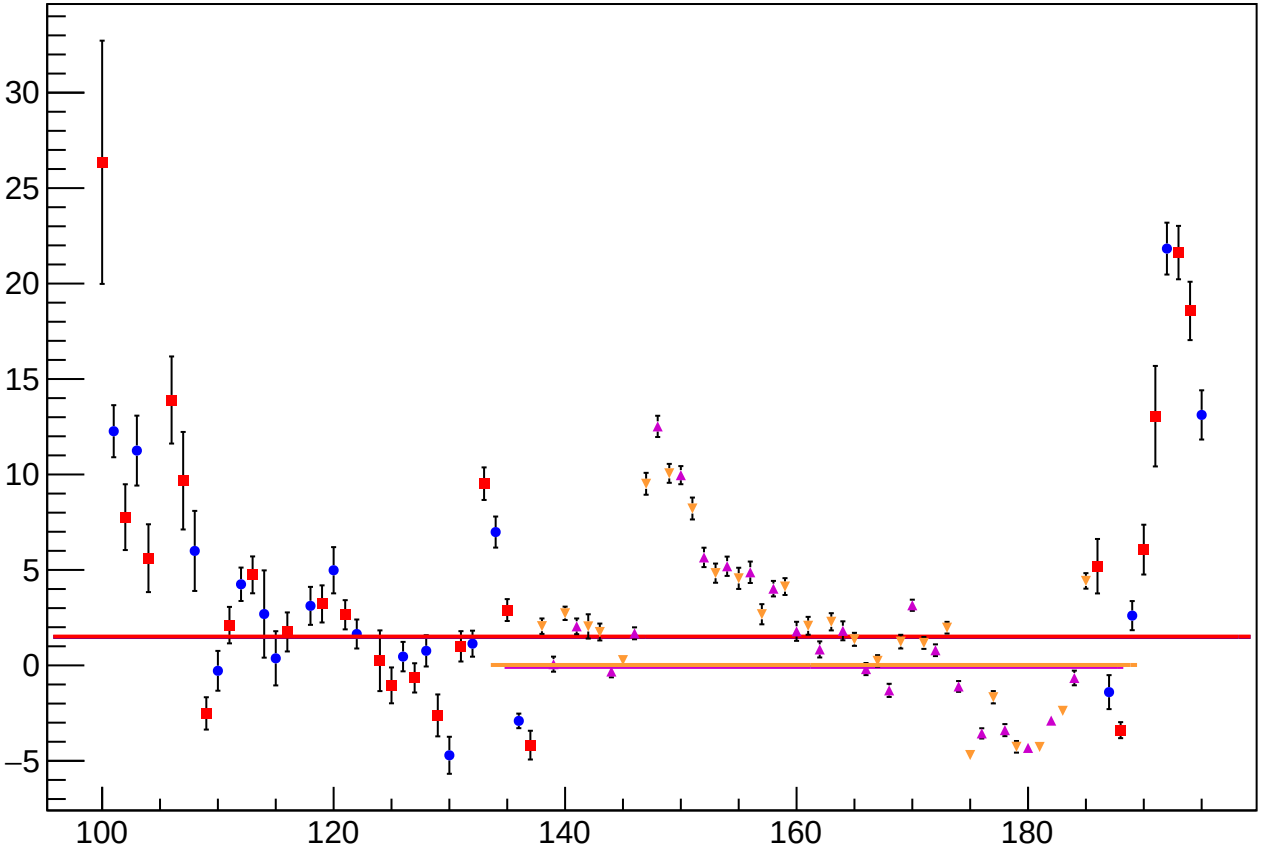
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.308+/-0.003 χ^2/NDF: 5225.1/44

All: 0.305+/-0.002 χ^2/NDF: 12806.3/92

- sign 0.301+/-0.003 χ^2/NDF: 7577.8/47

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

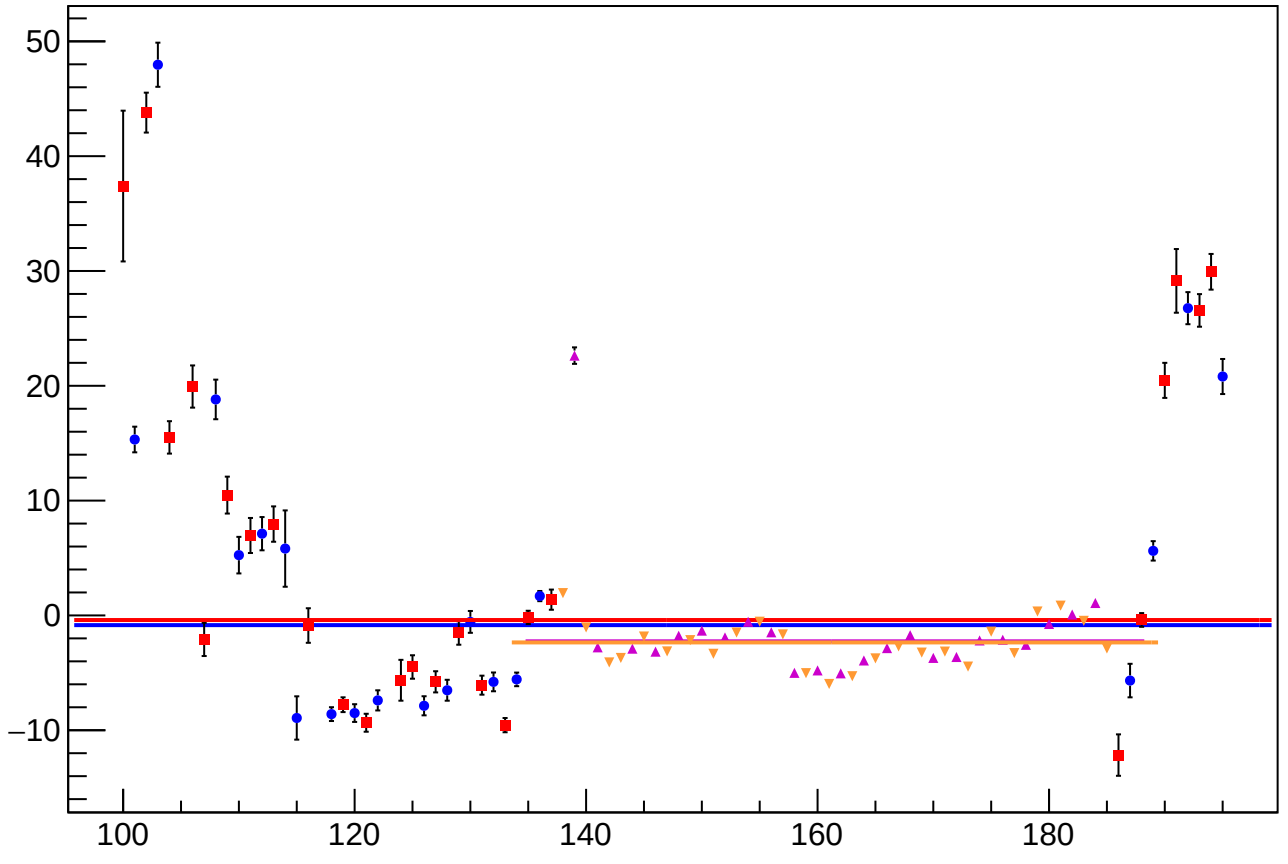
Right Out: 1.508+/-0.189 χ^2/NDF: 800.5/24

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.183+/-0.065 χ^2/NDF: 3469.9/44

All: 0.150+/-0.046 χ^2/NDF: 6797.3/92

- sign 0.115+/-0.066 χ^2/NDF: 3326.9/47



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: -0.401+/-0.206 χ^2/NDF: 2704.3/24

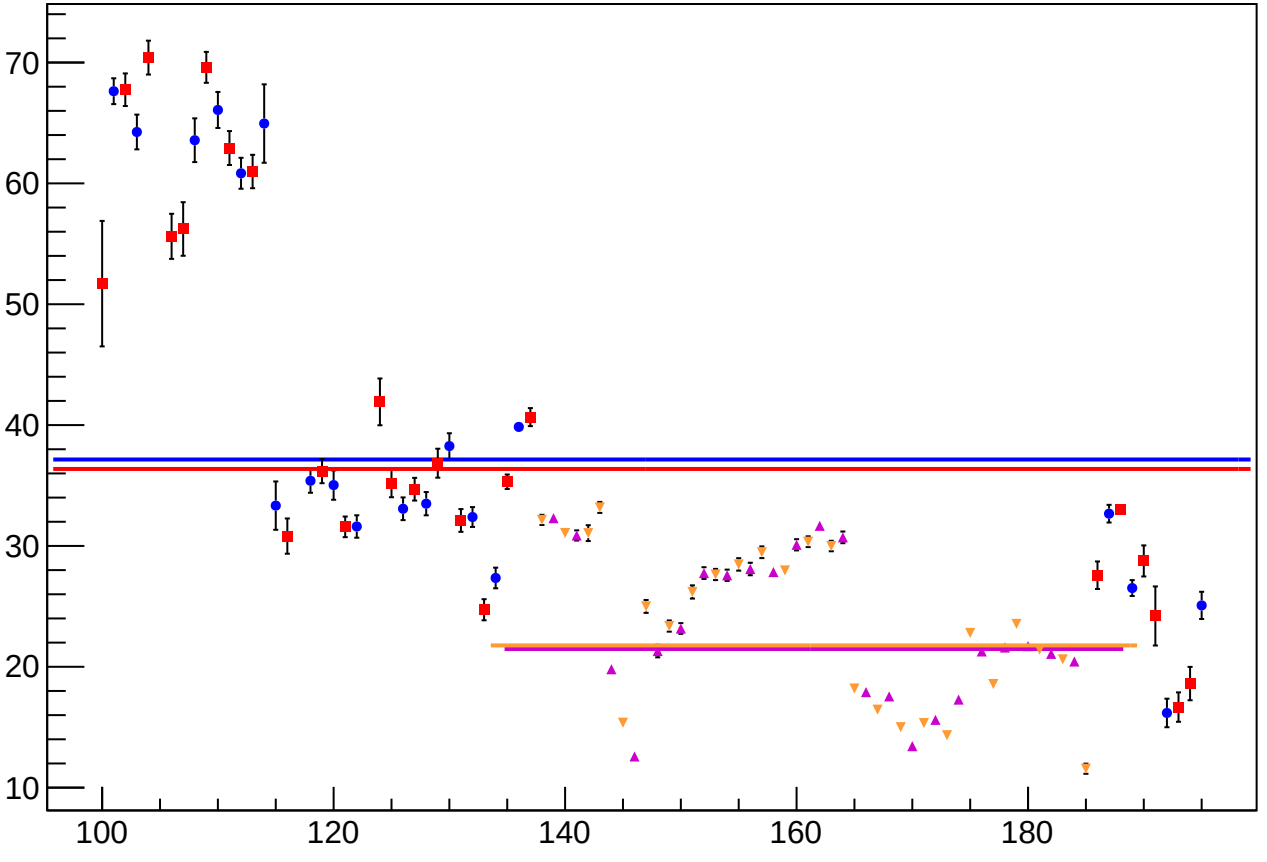
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.248+/-0.053 χ^2/NDF: 3452.7/44

All: -2.189+/-0.038 χ^2/NDF: 8112.6/92

- sign -2.127+/-0.054 χ^2/NDF: 4657.4/47

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: 36.370+/-0.191 χ^2/NDF: 3616.6/24

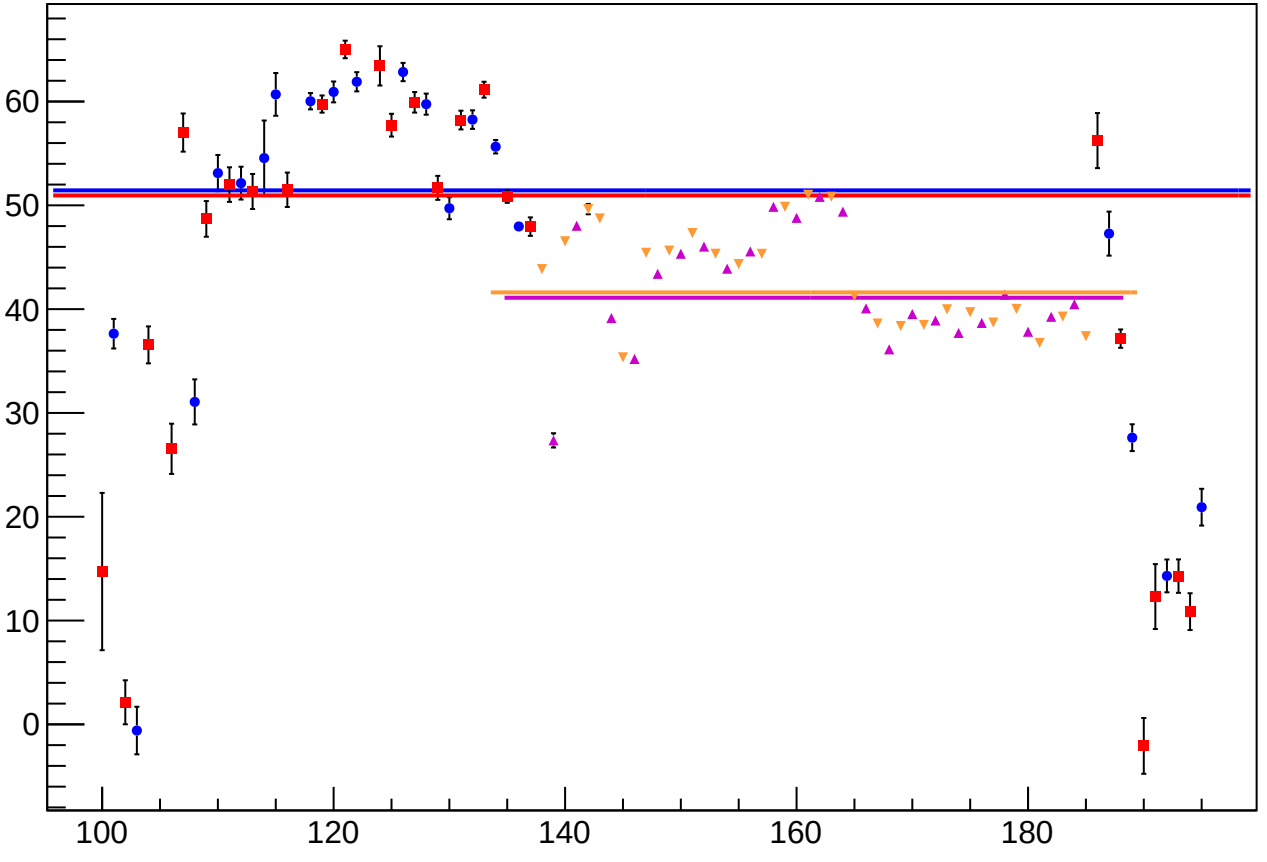
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.361+/-0.065 χ^2/NDF: 15178.5/44

All: 23.313+/-0.046 χ^2/NDF: 29937.1/92

- sign 23.264+/-0.066 χ^2/NDF: 14757.4/47

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 51.441+/-0.229 χ^2/NDF: 2646.6/19

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

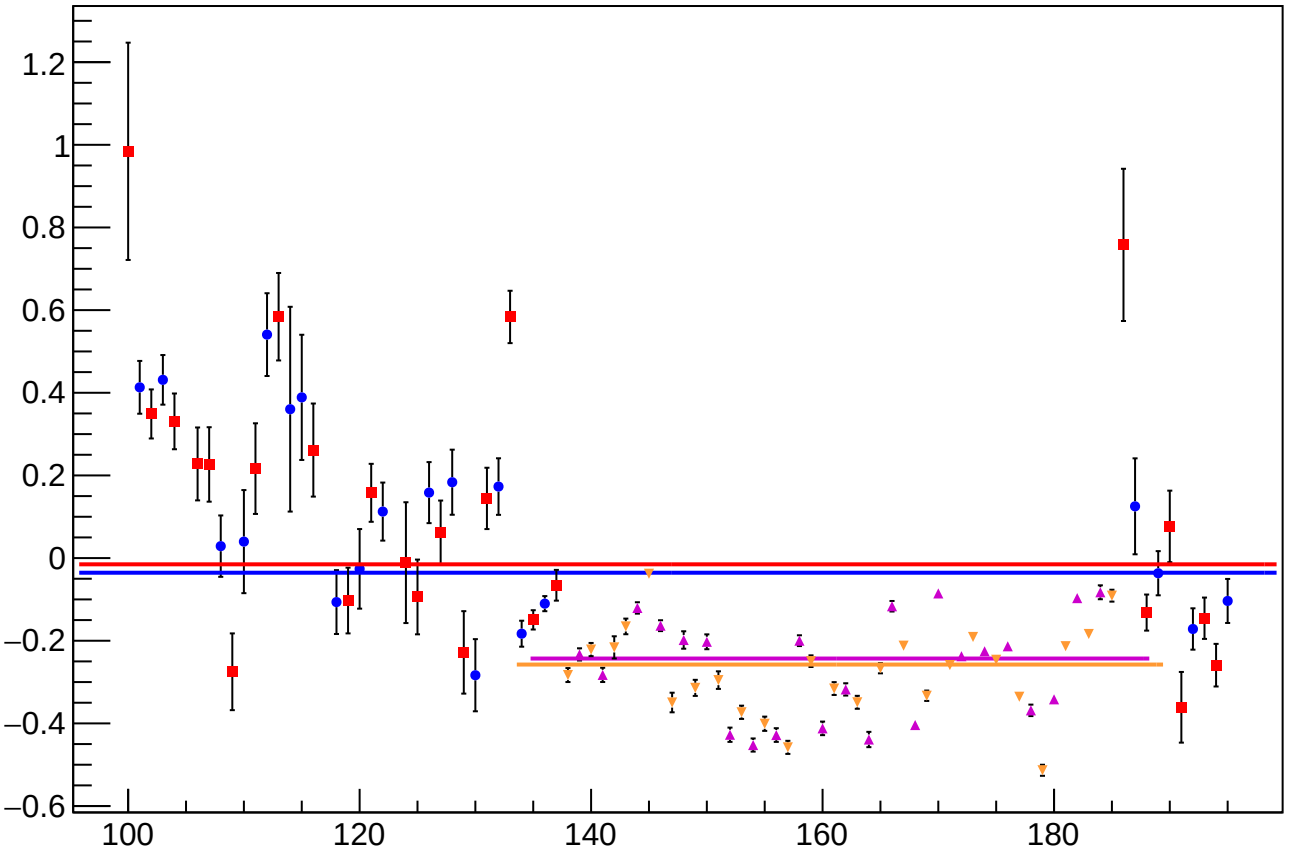
Right Out: 50.953+/-0.238 χ^2/NDF: 3361.0/24

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.268+/-0.059 χ^2/NDF: 10139.5/44

All: 42.008+/-0.042 χ^2/NDF: 20617.5/92

- sign 41.735+/-0.061 χ^2/NDF: 10438.4/47



Right In: -0.035+/-0.012 χ^2/NDF: 241.4/19

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

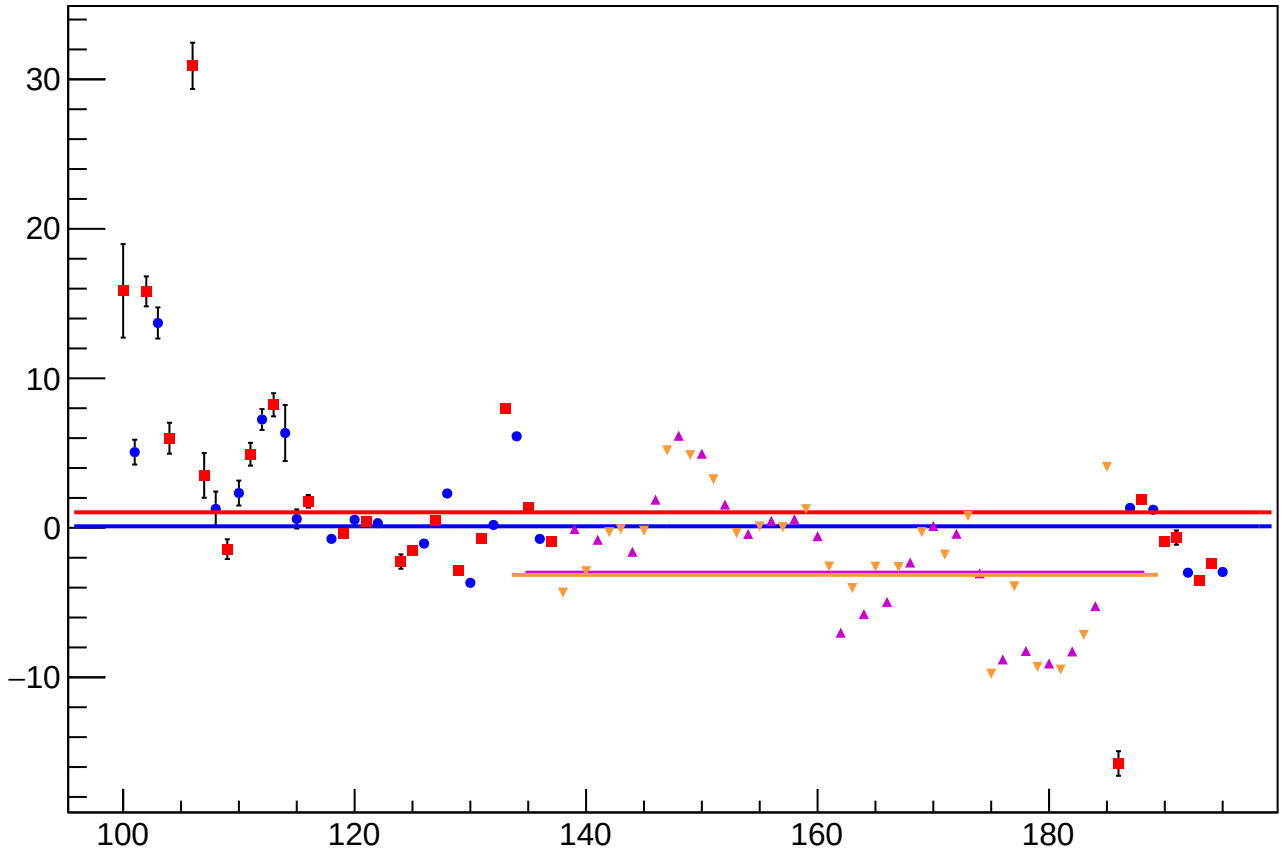
Right Out: -0.015+/-0.012 χ^2/NDF: 357.5/24

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: 4603.6/92

- sign -0.232+/-0.003 χ^2/NDF: 2492.3/47



Right In: 0.102+/-0.067 χ^2/NDF: 1398.1/19

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

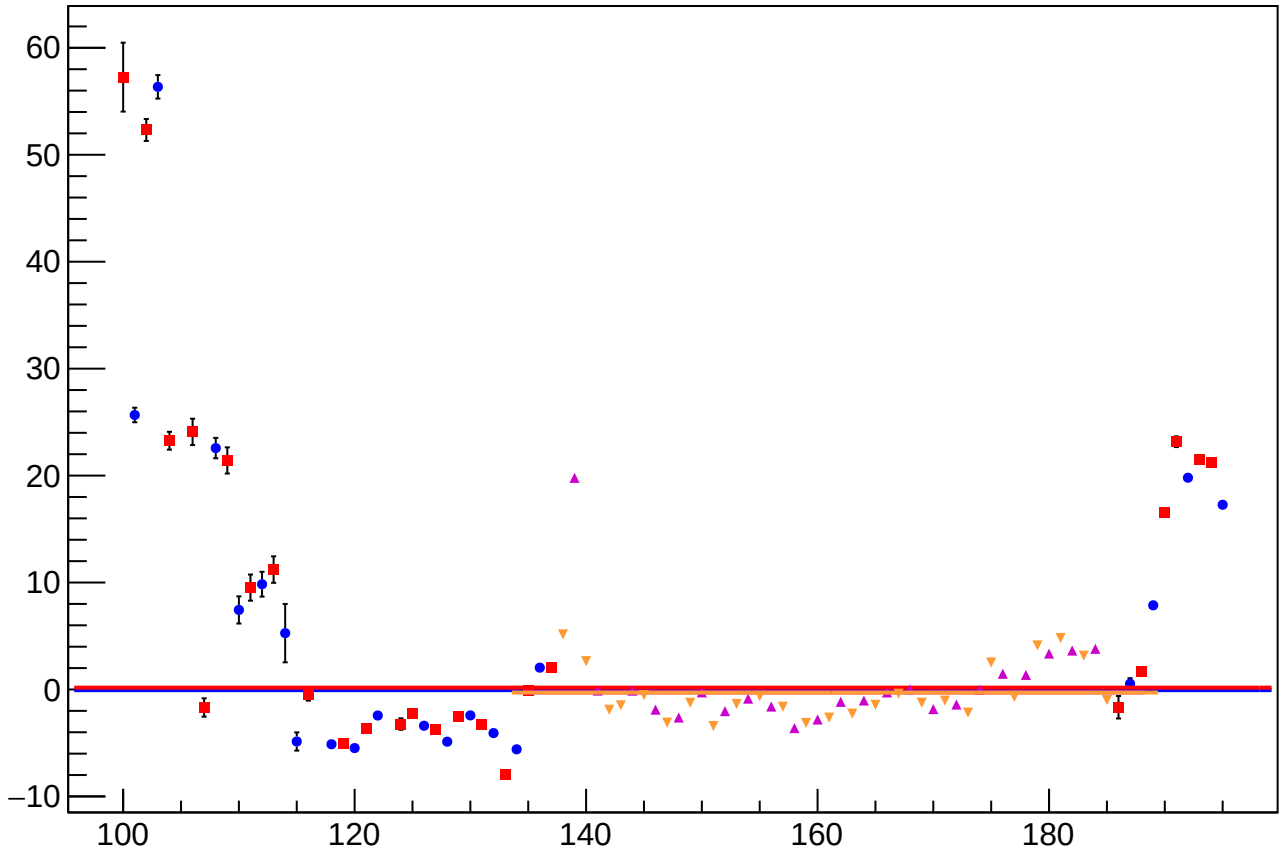
Right Out: 1.038+/-0.061 χ^2/NDF: 3327.0/24

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.671+/-0.026 χ^2/NDF: 28754.9/44

All: -2.473+/-0.018 χ^2/NDF: 58247.7/92

- sign -2.273+/-0.026 χ^2/NDF: 29372.6/47



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: 0.172+/-0.061 χ^2/NDF: 23931.0/24

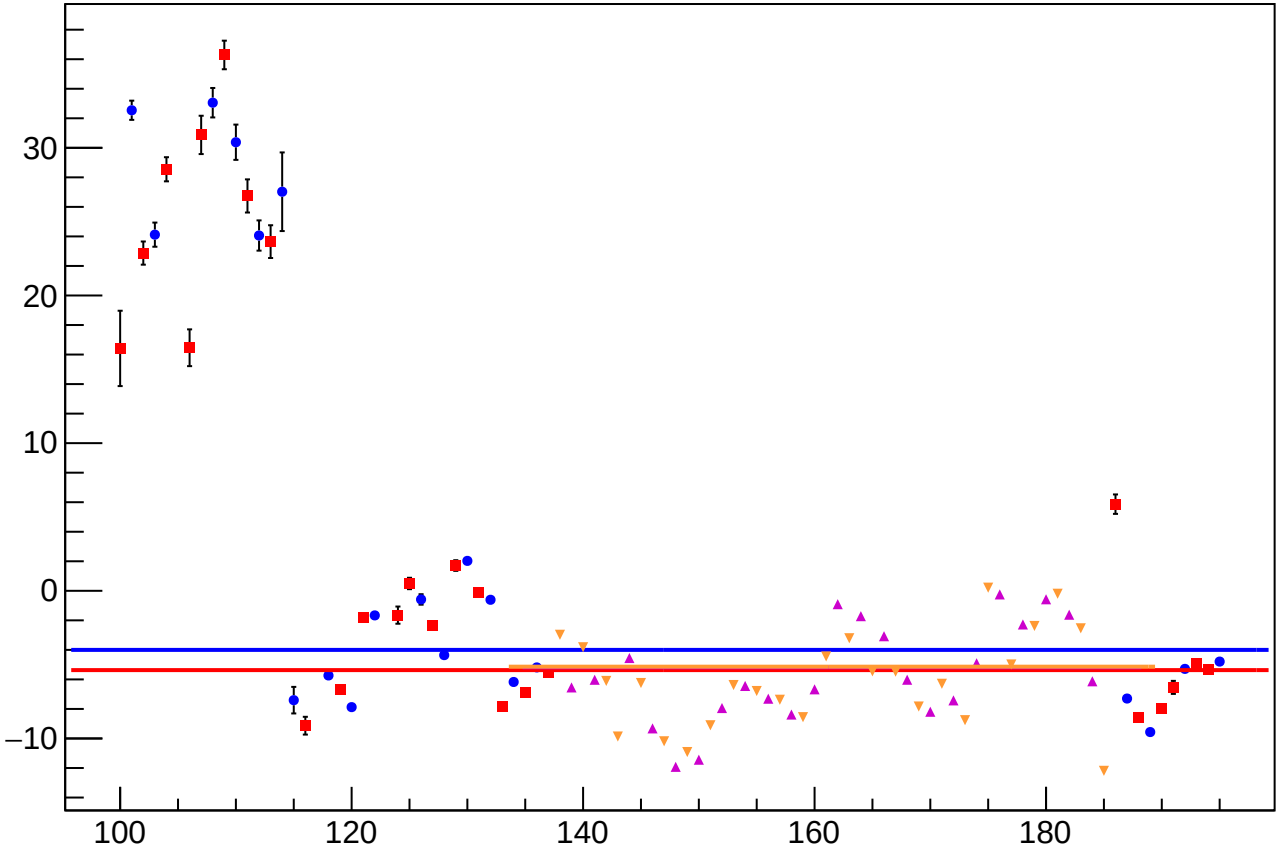
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.265+/-0.021 χ^2/NDF: 29376.4/44

All: -0.242+/-0.015 χ^2/NDF: 66576.8/92

- sign -0.219+/-0.021 χ^2/NDF: 37198.0/47

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: -5.370+/-0.059 χ^2/NDF: 10460.3/24

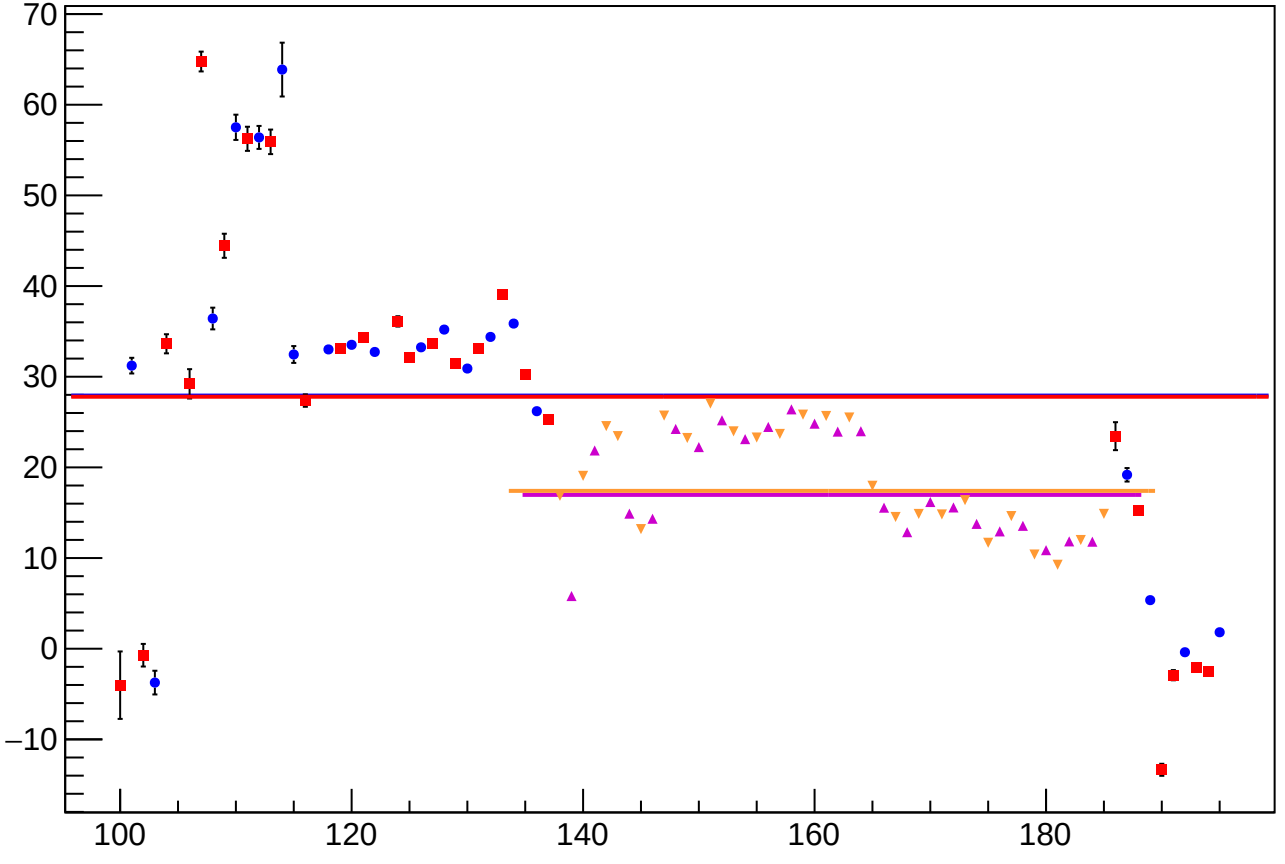
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.976+/-0.026 χ^2/NDF: 24187.5/44

All: -5.095+/-0.018 χ^2/NDF: 48663.4/92

- sign -5.214+/-0.026 χ^2/NDF: 24432.8/47

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: 27.794+/-0.073 χ^2/NDF: 34649.7/24

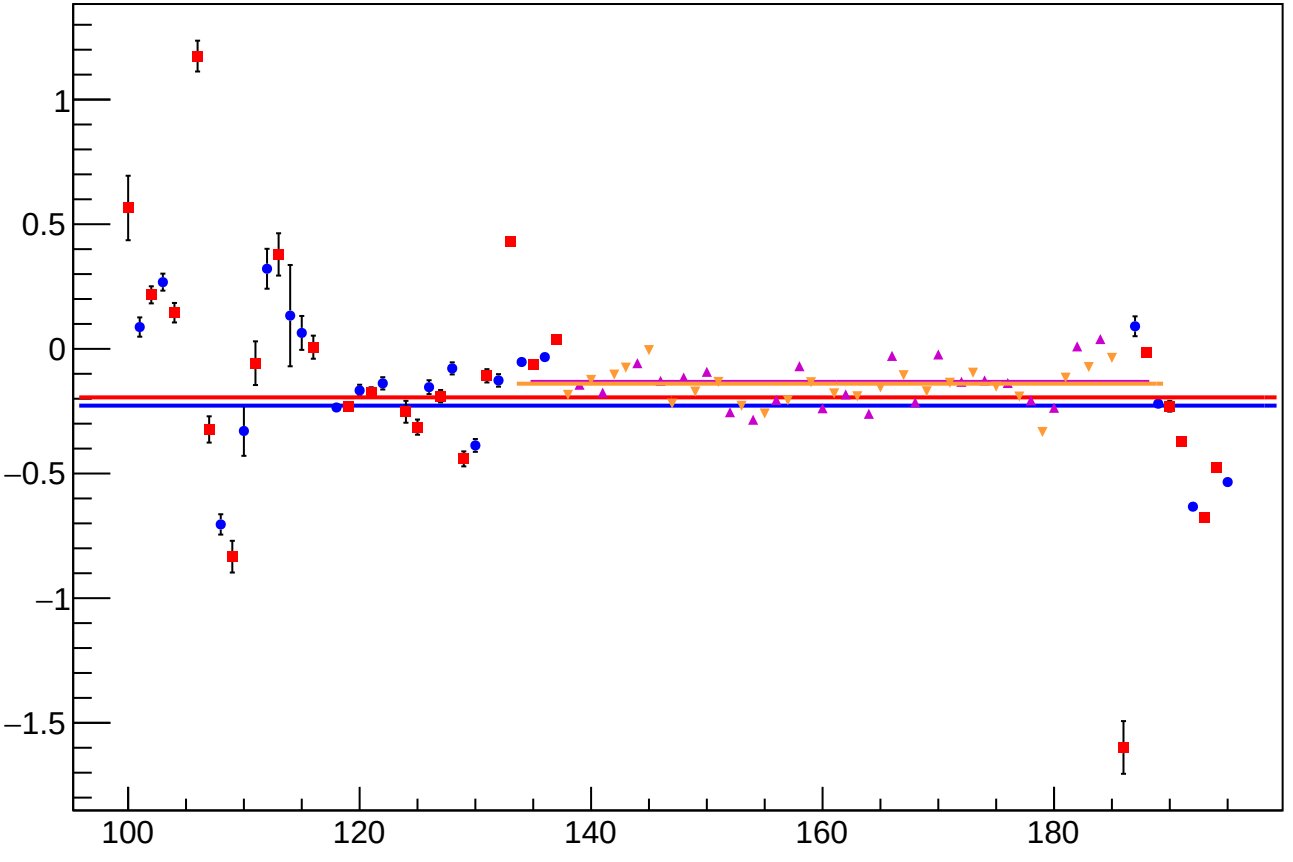
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.412+/-0.023 χ^2/NDF: 90178.0/44

All: 18.264+/-0.017 χ^2/NDF: 184641.9/92

- sign 18.111+/-0.024 χ^2/NDF: 94381.4/47

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: -0.195+/-0.004 χ^2/NDF: 6635.3/24

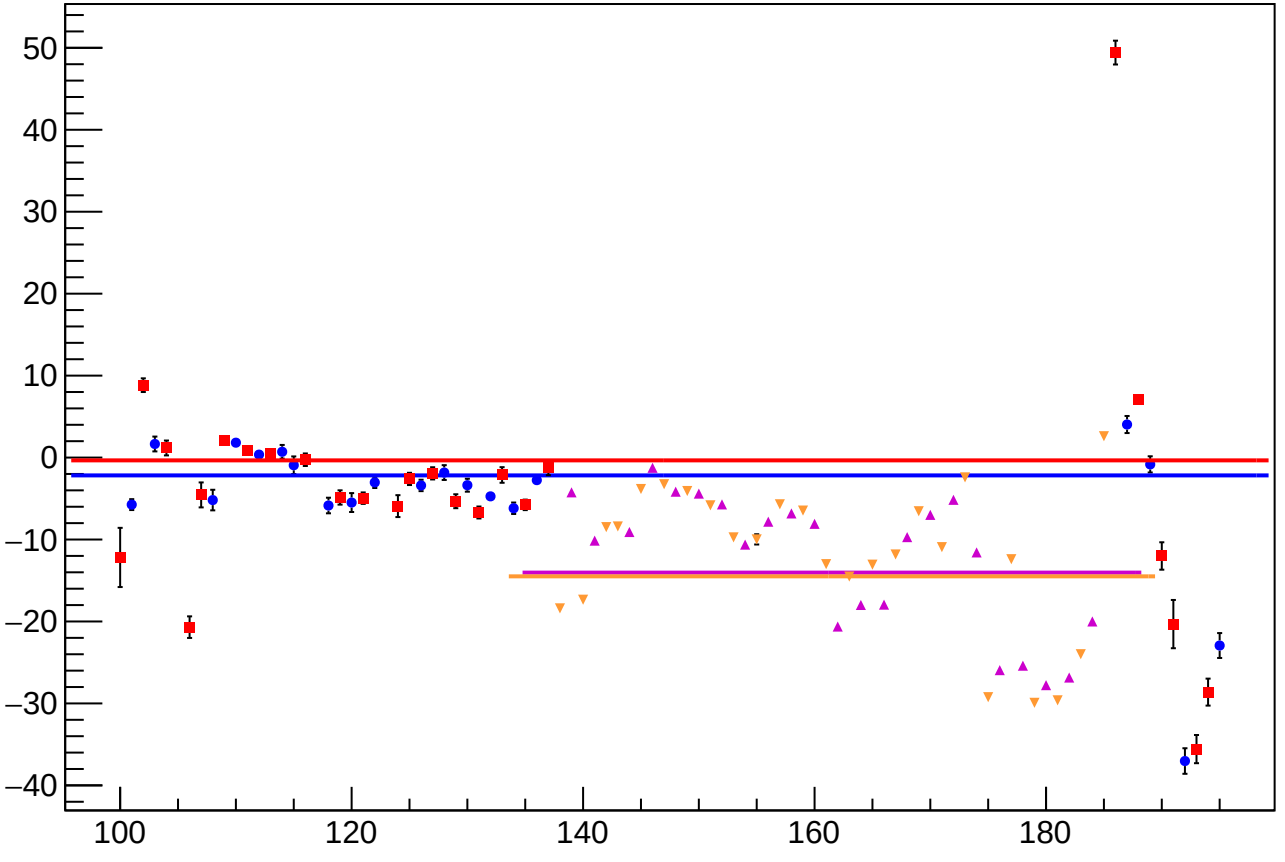
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.146+/-0.001 χ^2/NDF: 8620.1/44

All: -0.142+/-0.001 χ^2/NDF: 21067.6/92

- sign -0.137+/-0.001 χ^2/NDF: 12414.3/47

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: -0.341+/-0.141 χ^2/NDF: 2919.4/24

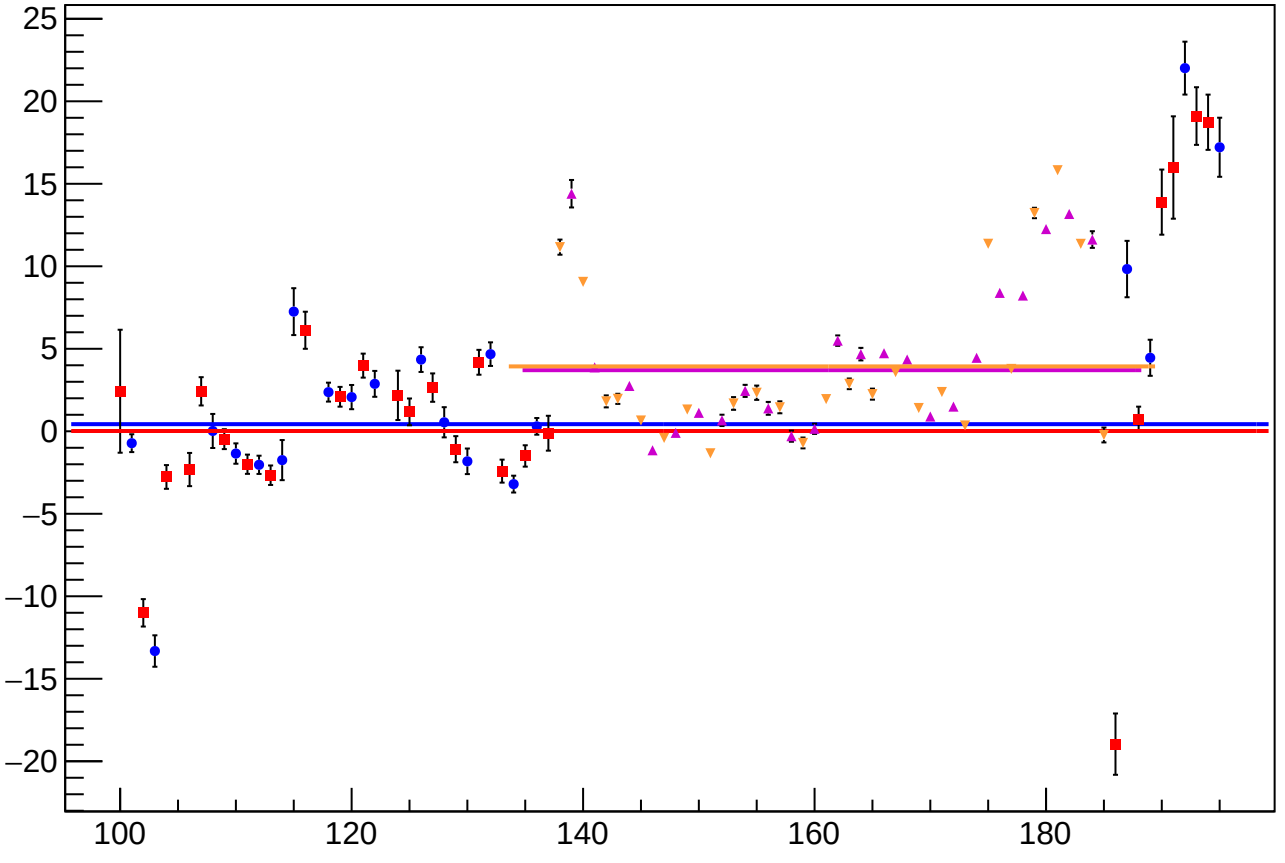
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

\+ sign -12.094+/-0.067 χ^2/NDF: 23549.9/44

All: -11.493+/-0.048 χ^2/NDF: 47429.6/92

\- sign -10.886+/-0.067 χ^2/NDF: 23718.4/47

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

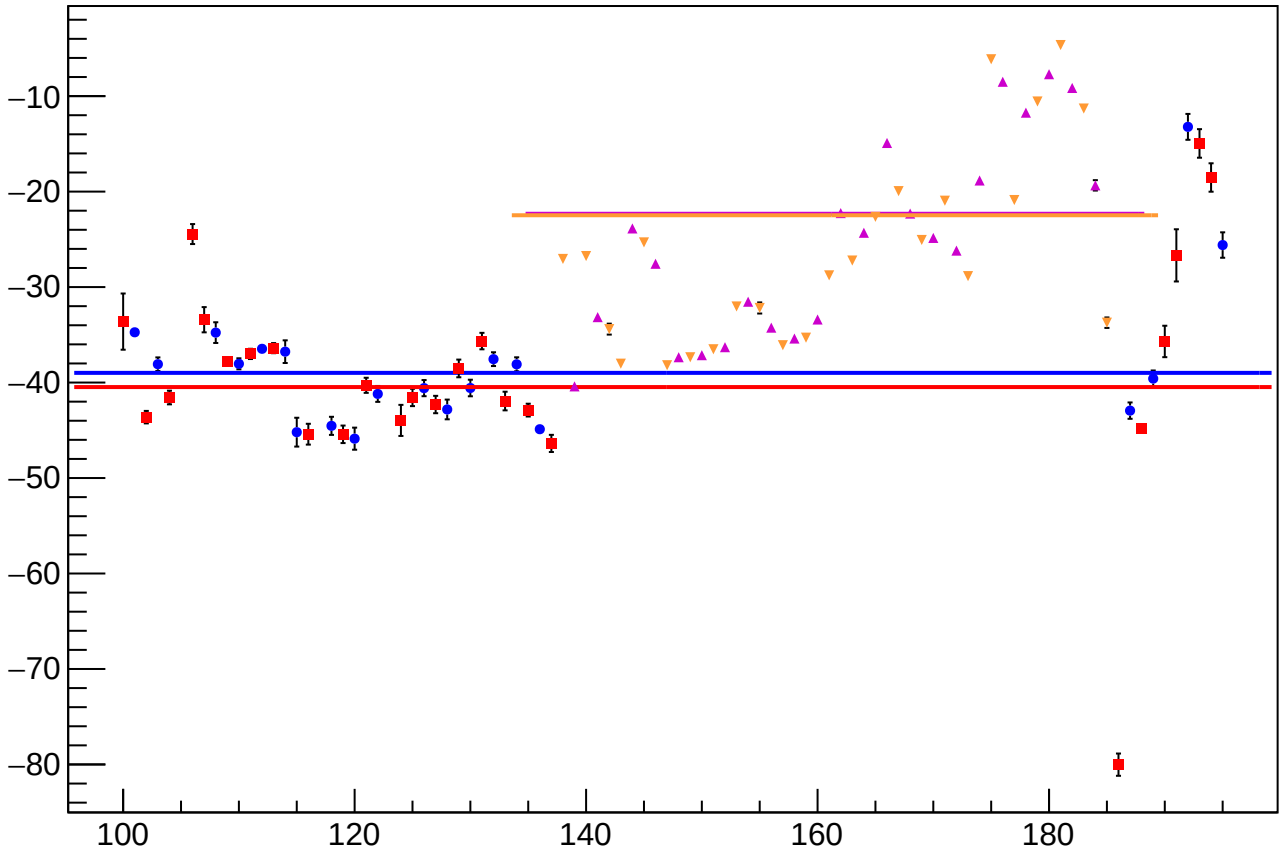
Right Out: 0.017+/-0.169 χ^2/NDF: 798.0/24

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.561+/-0.055 χ^2/NDF: 8094.1/44

All: 3.433+/-0.039 χ^2/NDF: 14114.8/92

- sign 3.300+/-0.056 χ^2/NDF: 6009.5/47



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: -40.473+/-0.162 χ^2/NDF: 2371.9/24

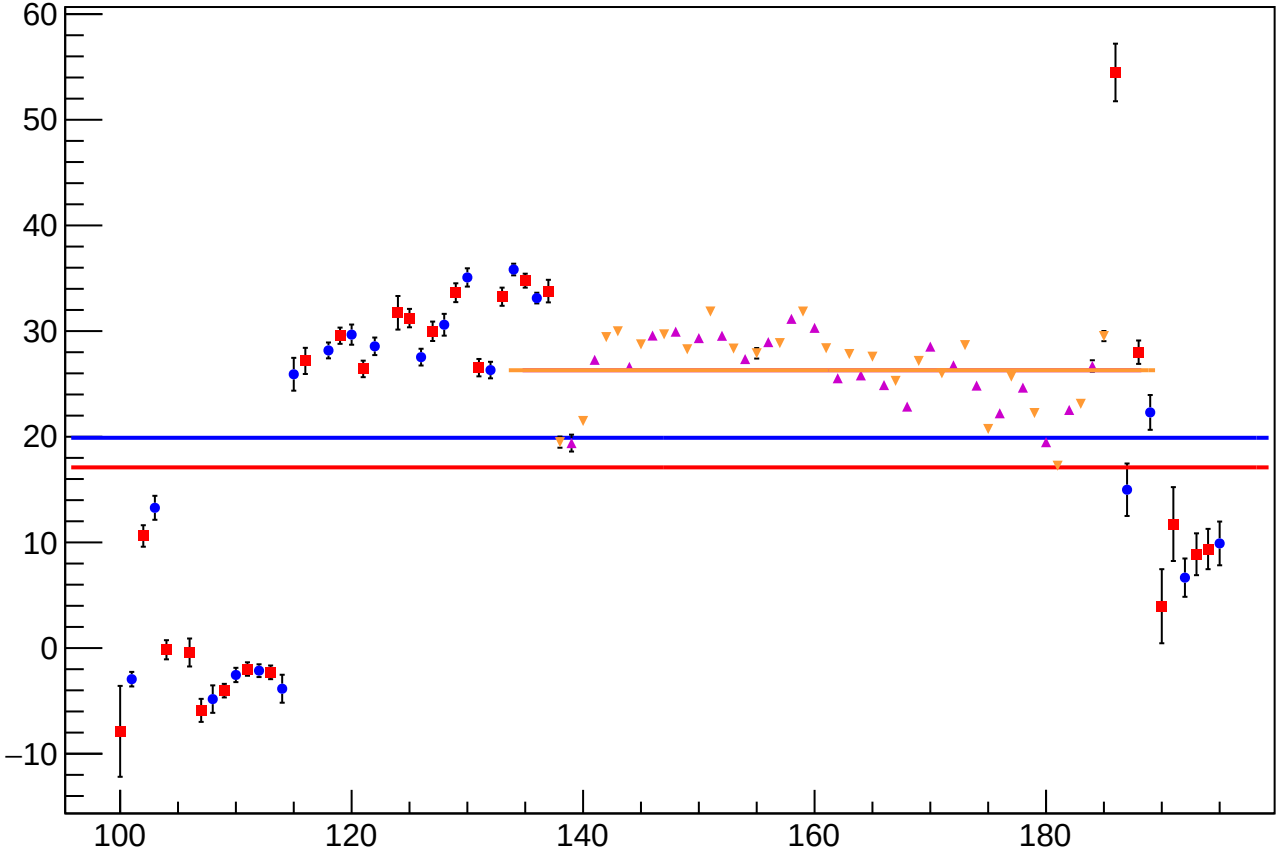
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.157+/-0.068 χ^2/NDF: 29226.5/44

All: -25.394+/-0.049 χ^2/NDF: 59018.2/92

\- sign -25.637+/-0.069 χ^2/NDF: 29767.4/47

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: 17.102+/-0.193 χ^2/NDF: 7076.9/24

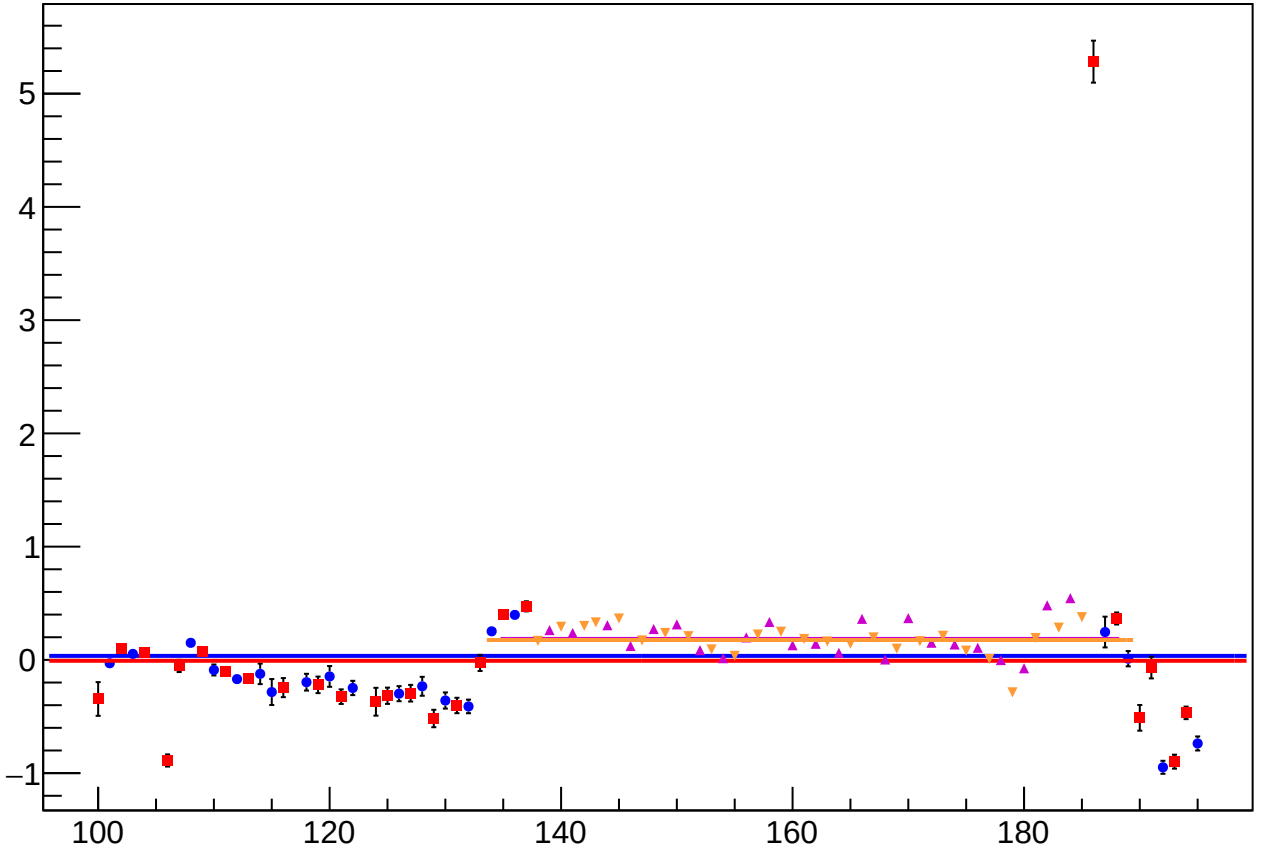
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.630+/-0.062 χ^2/NDF: 11081.6/44

All: 25.477+/-0.044 χ^2/NDF: 22374.0/92

- sign 25.318+/-0.063 χ^2/NDF: 11279.9/47

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: -0.008+/-0.010 χ^2/NDF: 1999.9/24

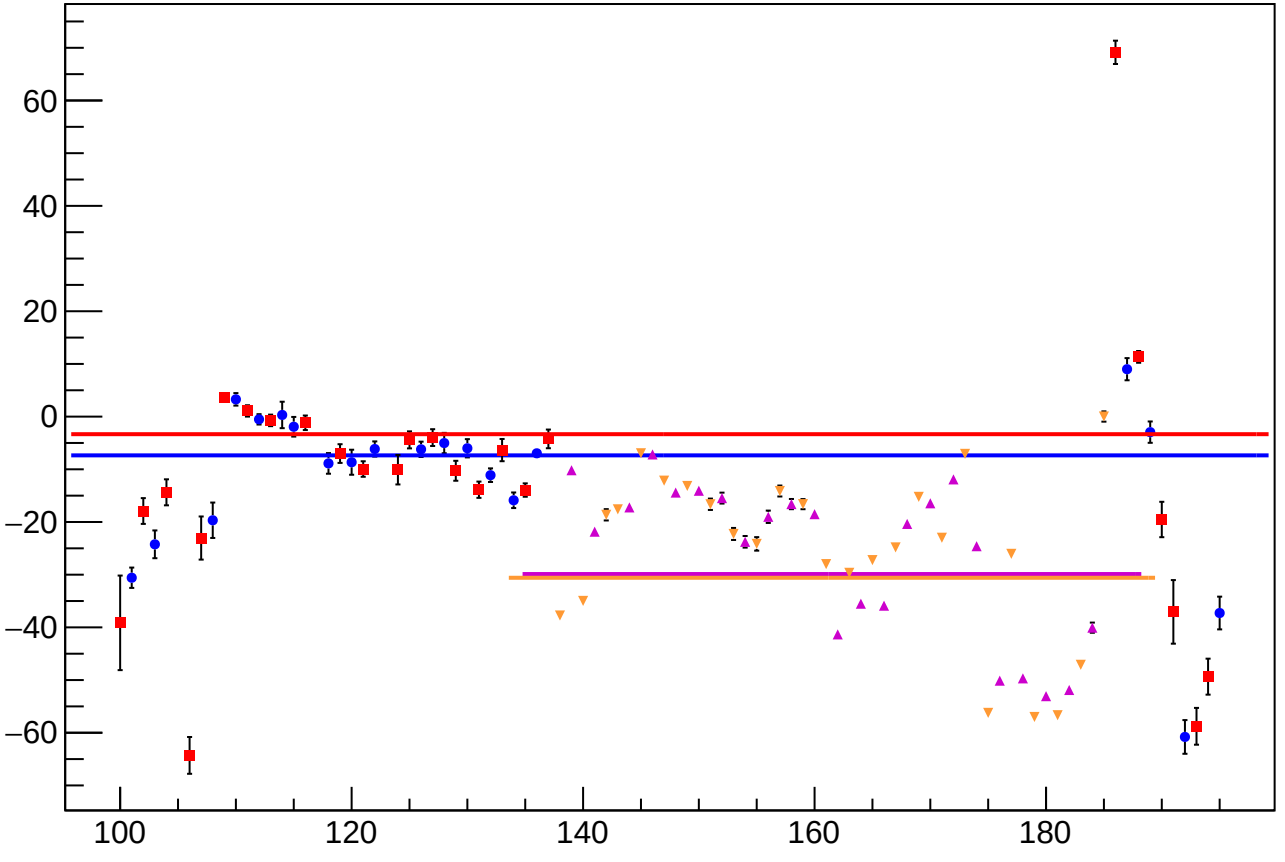
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.165+/-0.003 χ^2/NDF: 3160.0/44

All: 0.167+/-0.002 χ^2/NDF: 8023.1/92

- sign 0.170+/-0.003 χ^2/NDF: 4861.1/47

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: -3.334+/-0.340 χ^2/NDF: 2373.6/24

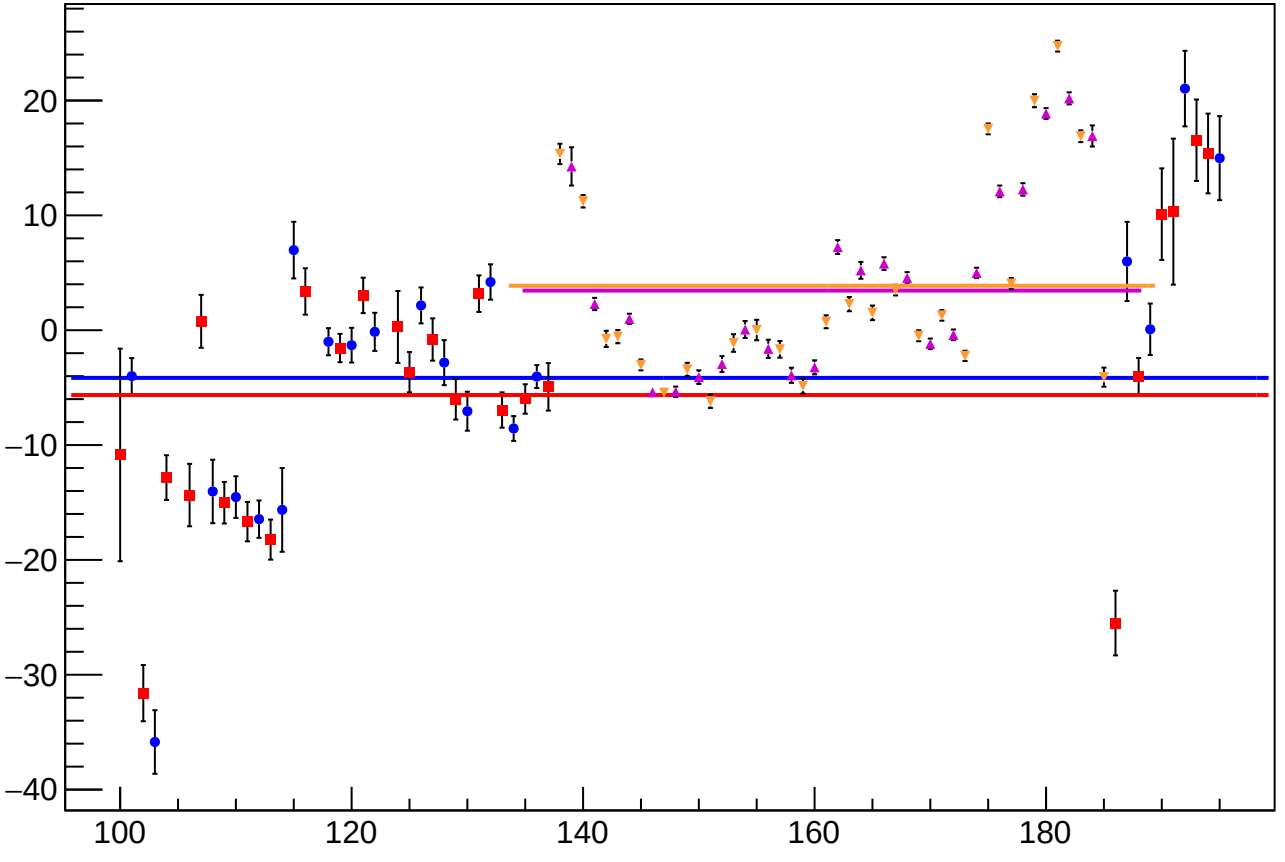
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.439+/-0.132 χ^2/NDF: 20495.6/44

All: -26.603+/-0.094 χ^2/NDF: 40123.5/92

- sign -25.739+/-0.134 χ^2/NDF: 19546.6/47

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

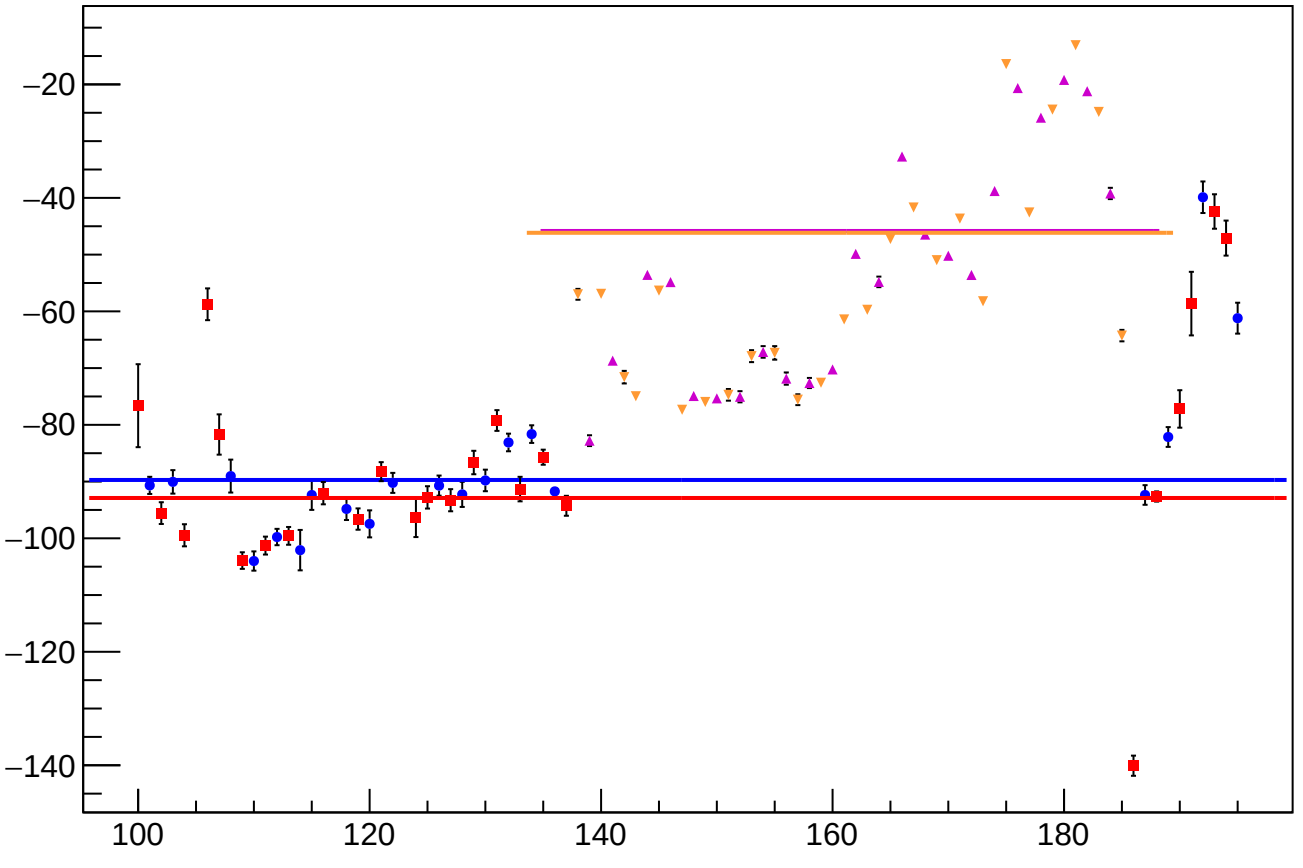
Right Out: -5.643+/-0.391 χ^2/NDF: 519.2/24

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.246+/-0.107 χ^2/NDF: 7393.3/44

All: 3.001+/-0.076 χ^2/NDF: 13116.3/92

- sign 2.744+/-0.109 χ^2/NDF: 5712.1/47



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: -92.892+/-0.376 χ^2/NDF: 1650.0/24

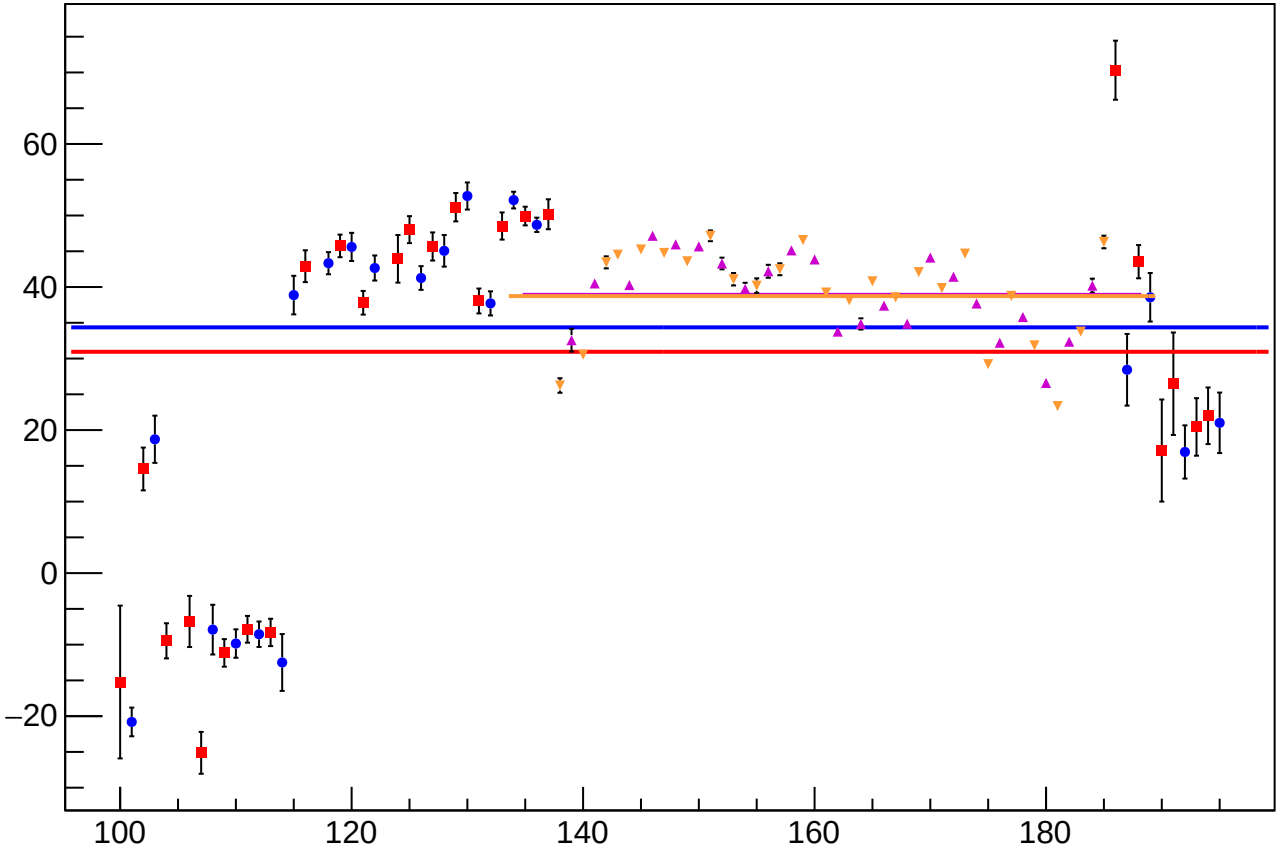
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.219+/-0.134 χ^2/NDF: 32993.5/44

All: -51.604+/-0.095 χ^2/NDF: 66202.0/92

- sign -52.002+/-0.136 χ^2/NDF: 33191.6/47

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: 30.947+/-0.448 χ^2/NDF: 3049.6/24

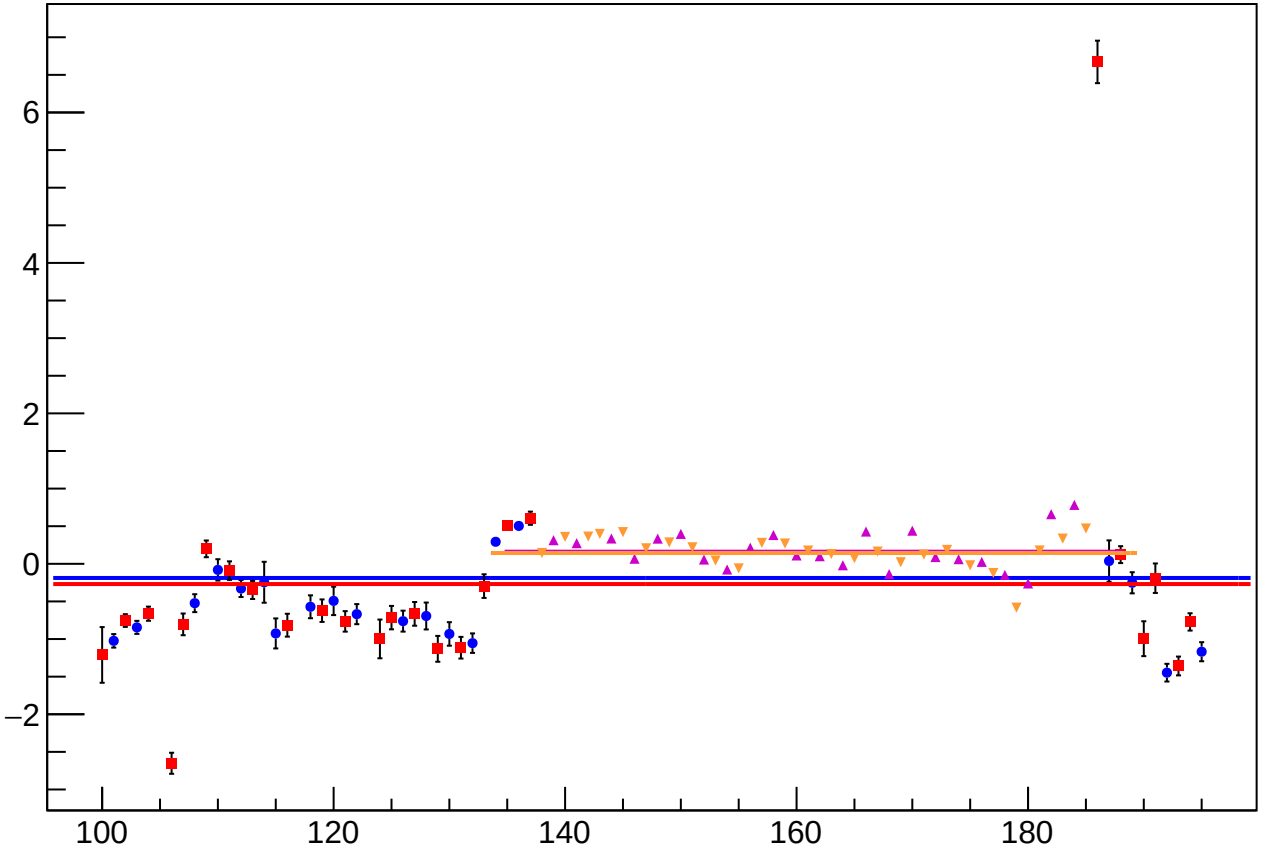
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.394+/-0.120 χ^2/NDF: 5721.0/44

All: 38.352+/-0.086 χ^2/NDF: 11034.9/92

- sign 38.308+/-0.123 χ^2/NDF: 5313.6/47

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: -0.269+/-0.024 χ^2/NDF: 1543.3/24

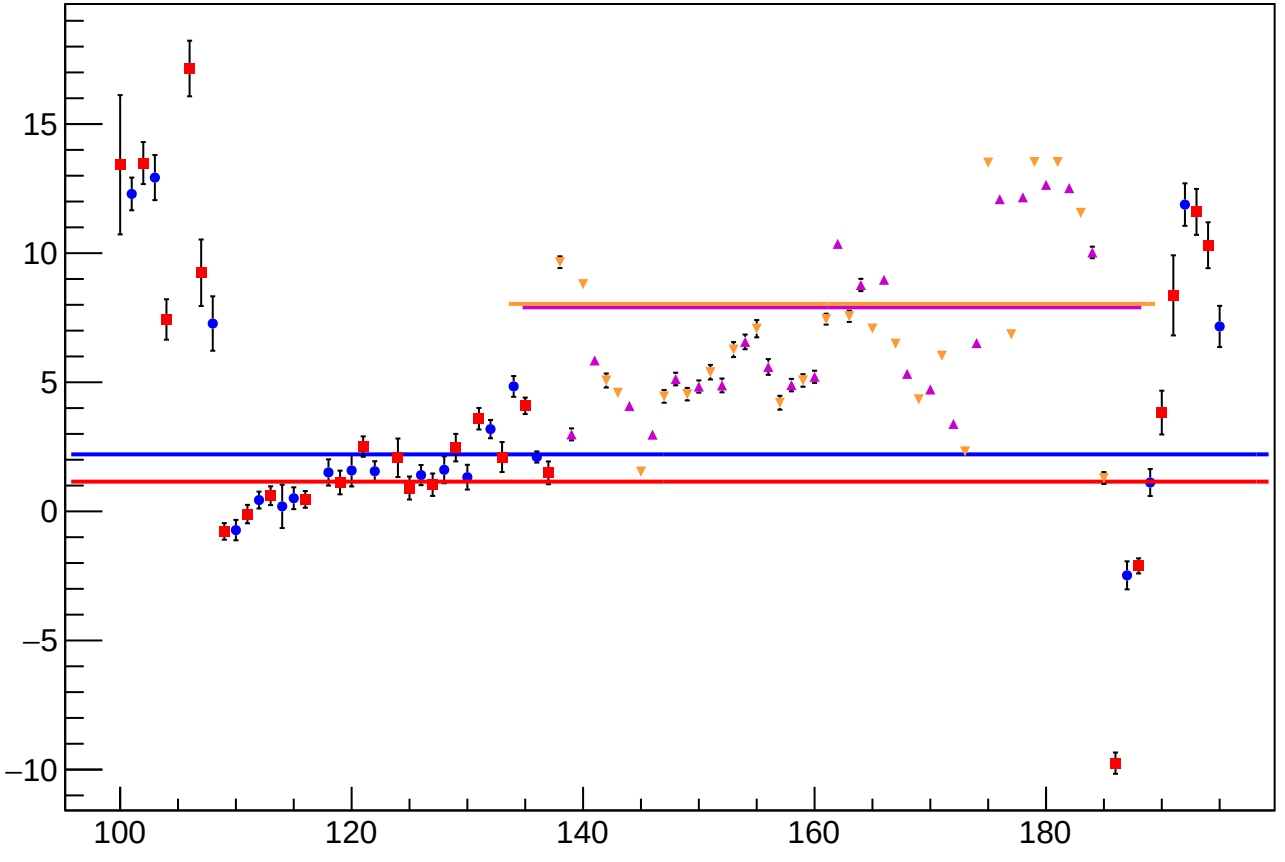
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.125+/-0.005 χ^2/NDF: 2463.2/44

All: 0.132+/-0.004 χ^2/NDF: 6229.8/92

- sign 0.139+/-0.006 χ^2/NDF: 3763.5/47

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.208+/-0.100 χ^2/NDF: 854.9/19

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

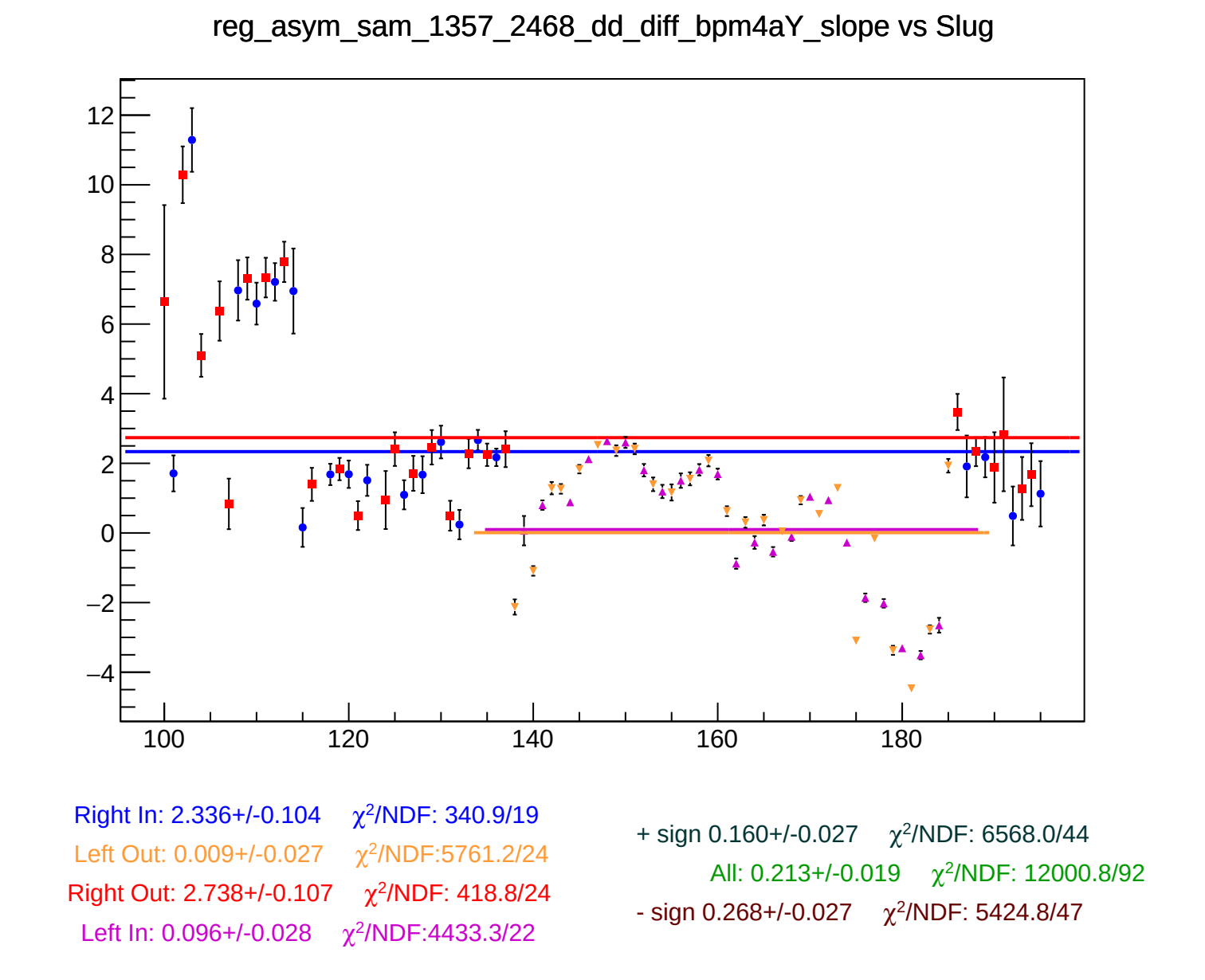
Right Out: 1.152+/-0.095 χ^2/NDF: 1870.2/24

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

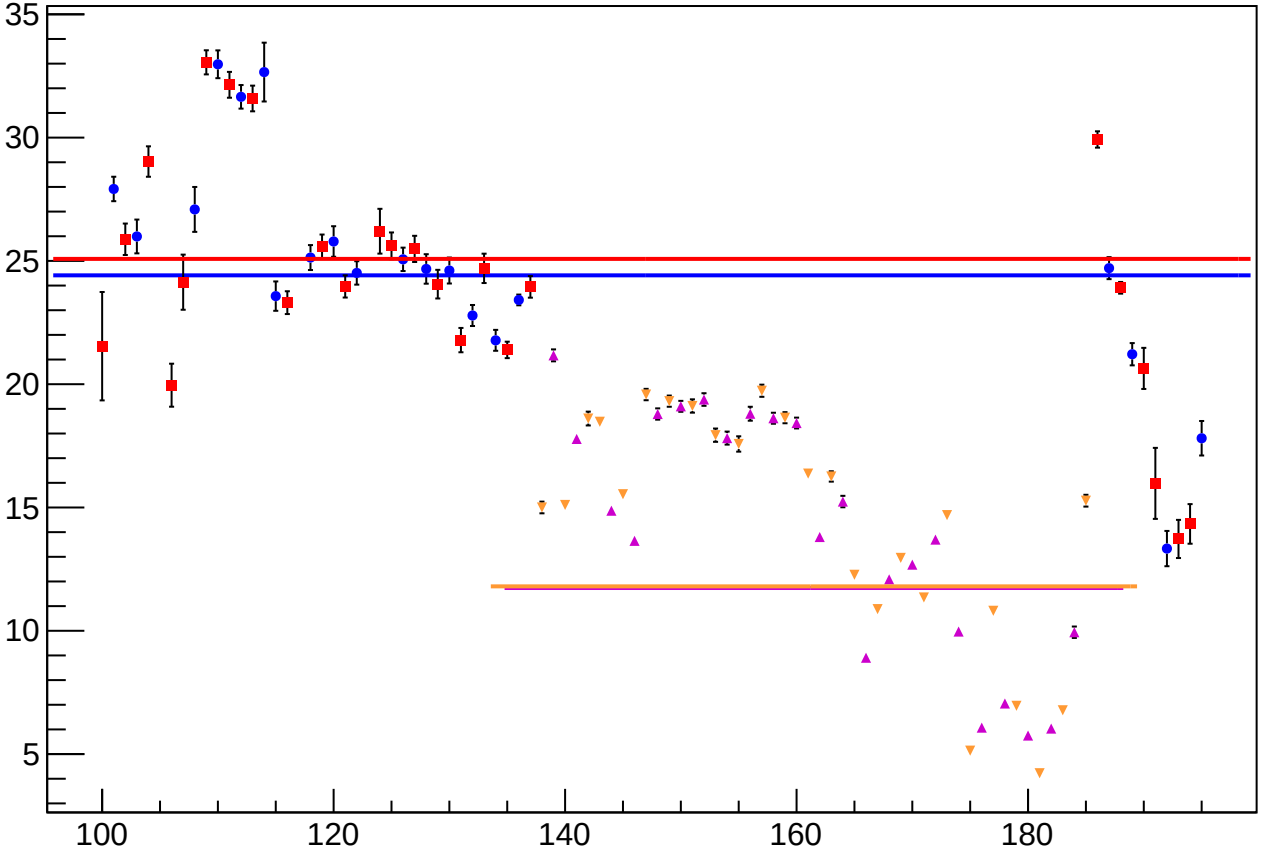
+ sign 7.402+/-0.033 χ^2/NDF: 17829.8/44

All: 7.233+/-0.023 χ^2/NDF: 34226.7/92

- sign 7.057+/-0.033 χ^2/NDF: 16342.6/47


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: 2.336+/-0.104 χ²/NDF: 340.9/19
Left Out: 0.009+/-0.027 χ²/NDF:5761.2/24
Right Out: 2.738+/-0.107 χ²/NDF: 418.8/24
Left In: 0.096+/-0.028 χ²/NDF:4433.3/22
+ sign 0.160+/-0.027 χ²/NDF: 6568.0/44
All: 0.213+/-0.019 χ²/NDF: 12000.8/92
- sign 0.268+/-0.027 χ²/NDF: 5424.8/47

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

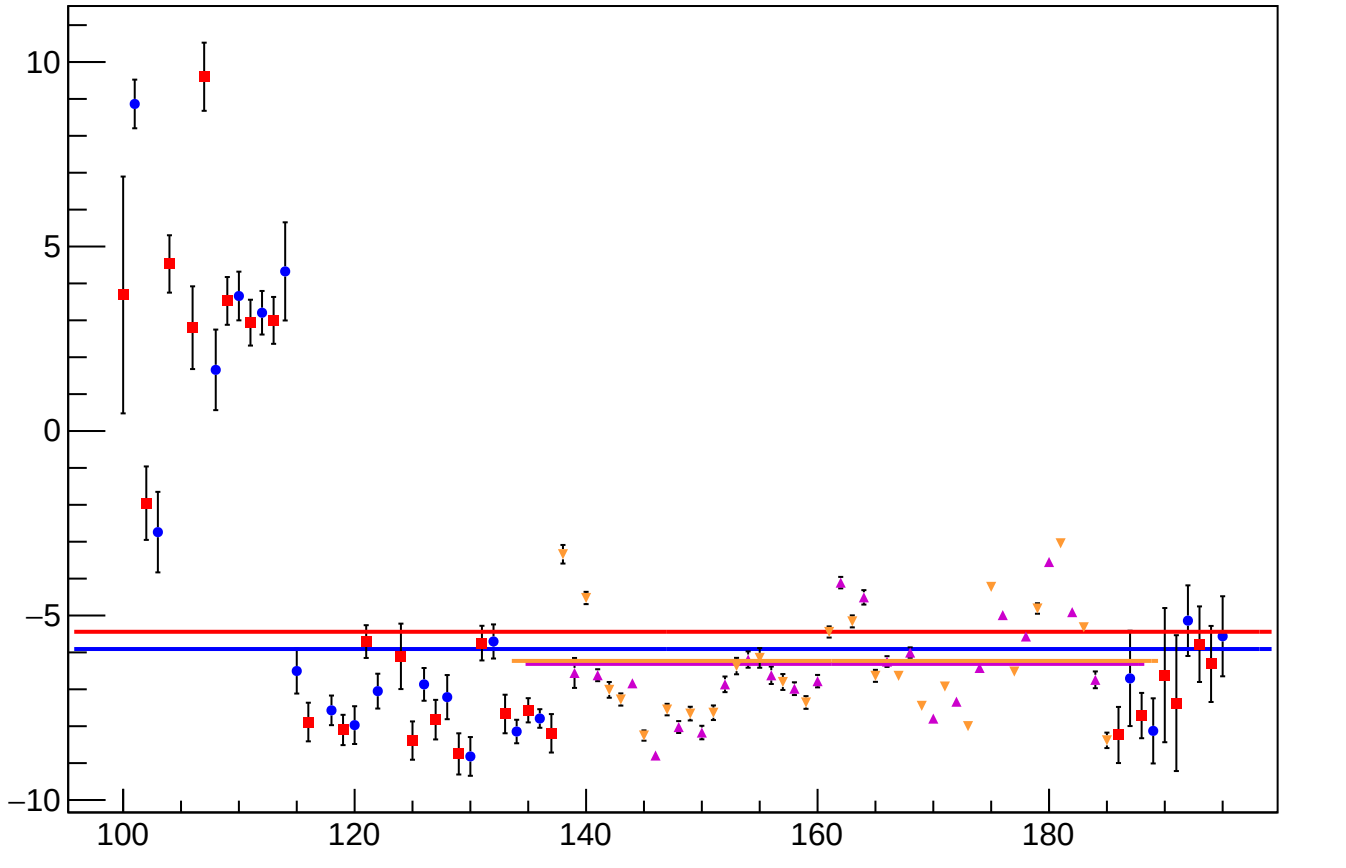
Right Out: 25.081+/-0.101 χ^2/NDF: 1587.2/24

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.998+/-0.033 χ^2/NDF: 34943.4/44

All: 13.104+/-0.024 χ^2/NDF: 69937.1/92

- sign 13.213+/-0.034 χ^2/NDF: 34973.0/47



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: -5.441+/-0.123 χ^2/NDF: 1324.3/24

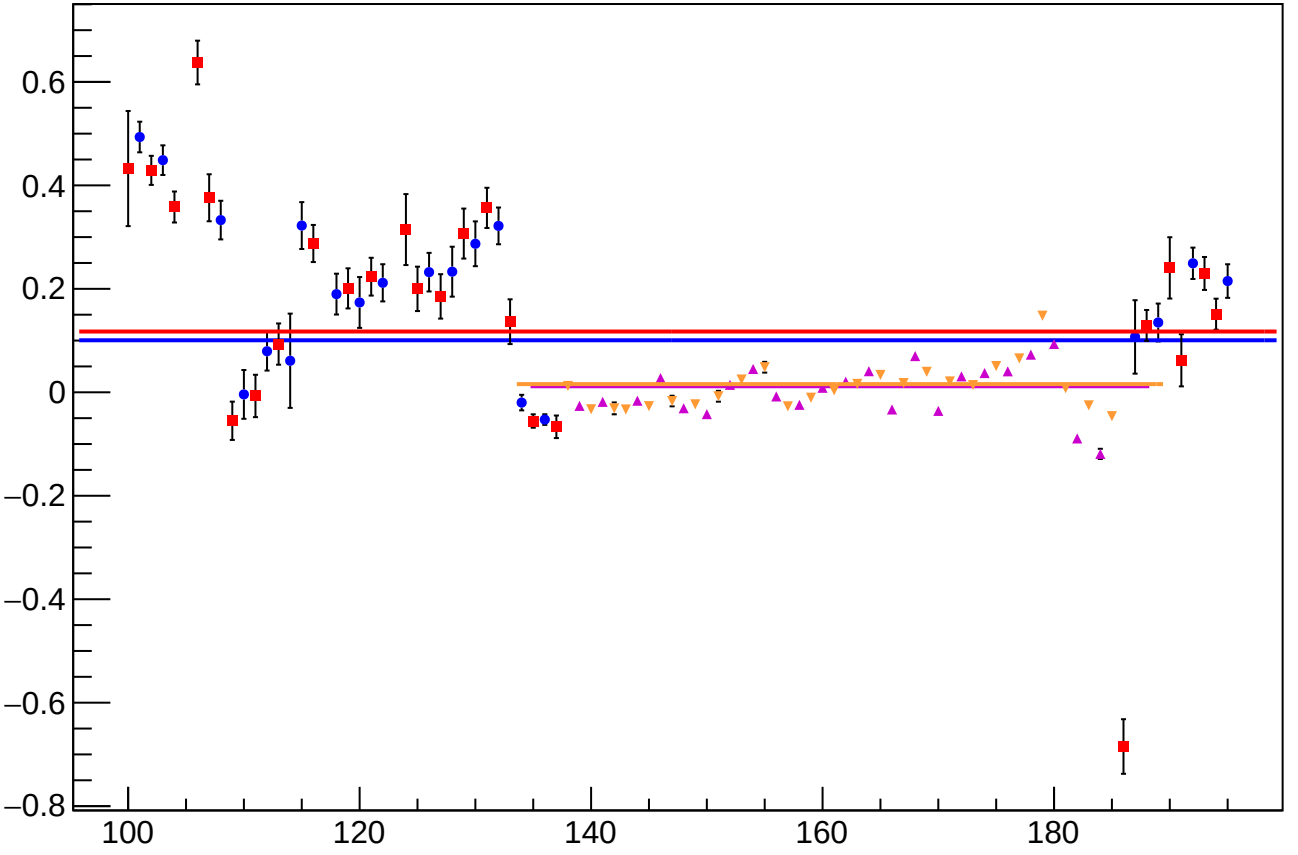
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.0/44

All: -6.233+/-0.021 χ^2/NDF: 7119.0/92

- sign -6.258+/-0.030 χ^2/NDF: 3401.7/47

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



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: 0.117+/-0.007 χ^2/NDF: 1013.5/24

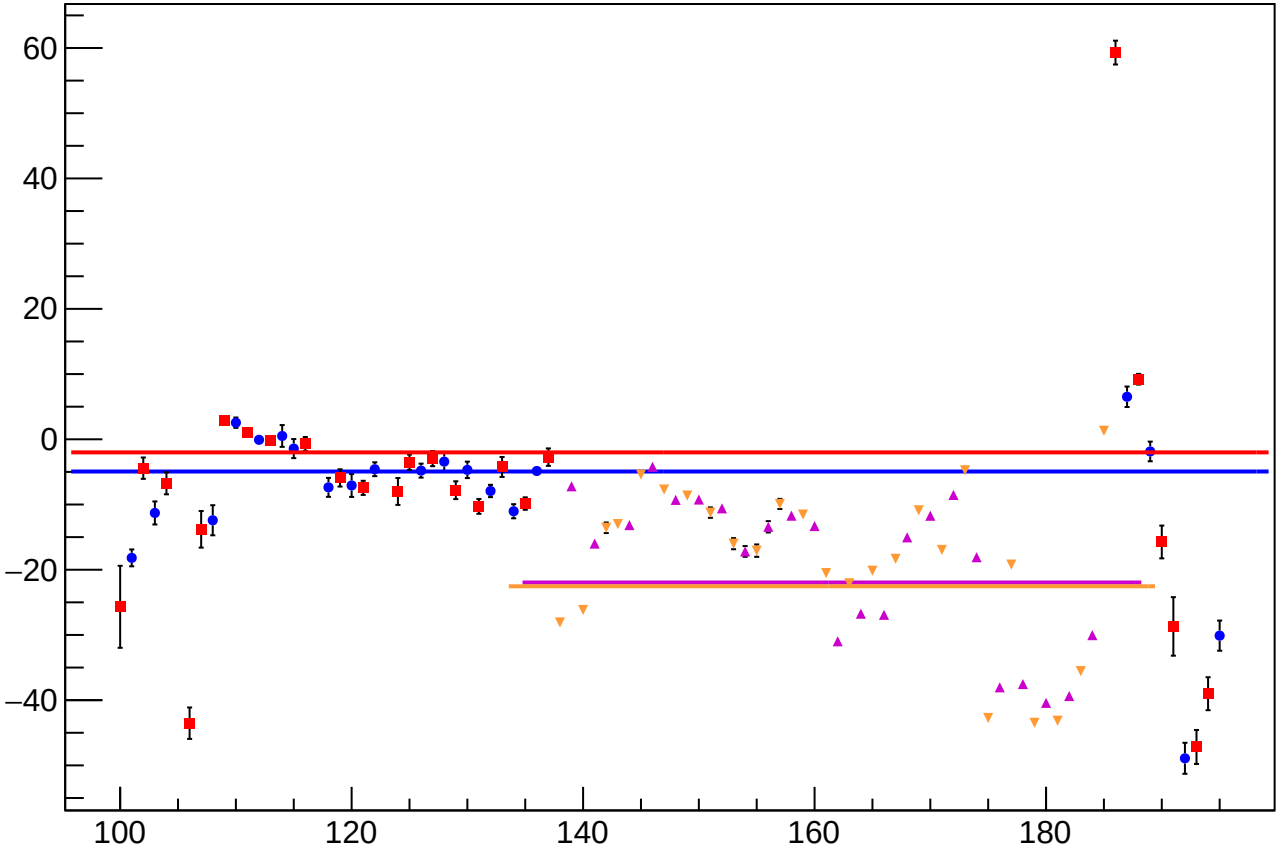
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1920.7/44

All: 0.018+/-0.001 χ^2/NDF: 4479.9/92

- sign 0.016+/-0.001 χ^2/NDF: 2555.9/47

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: -2.005+/-0.243 χ^2/NDF: 2501.8/24

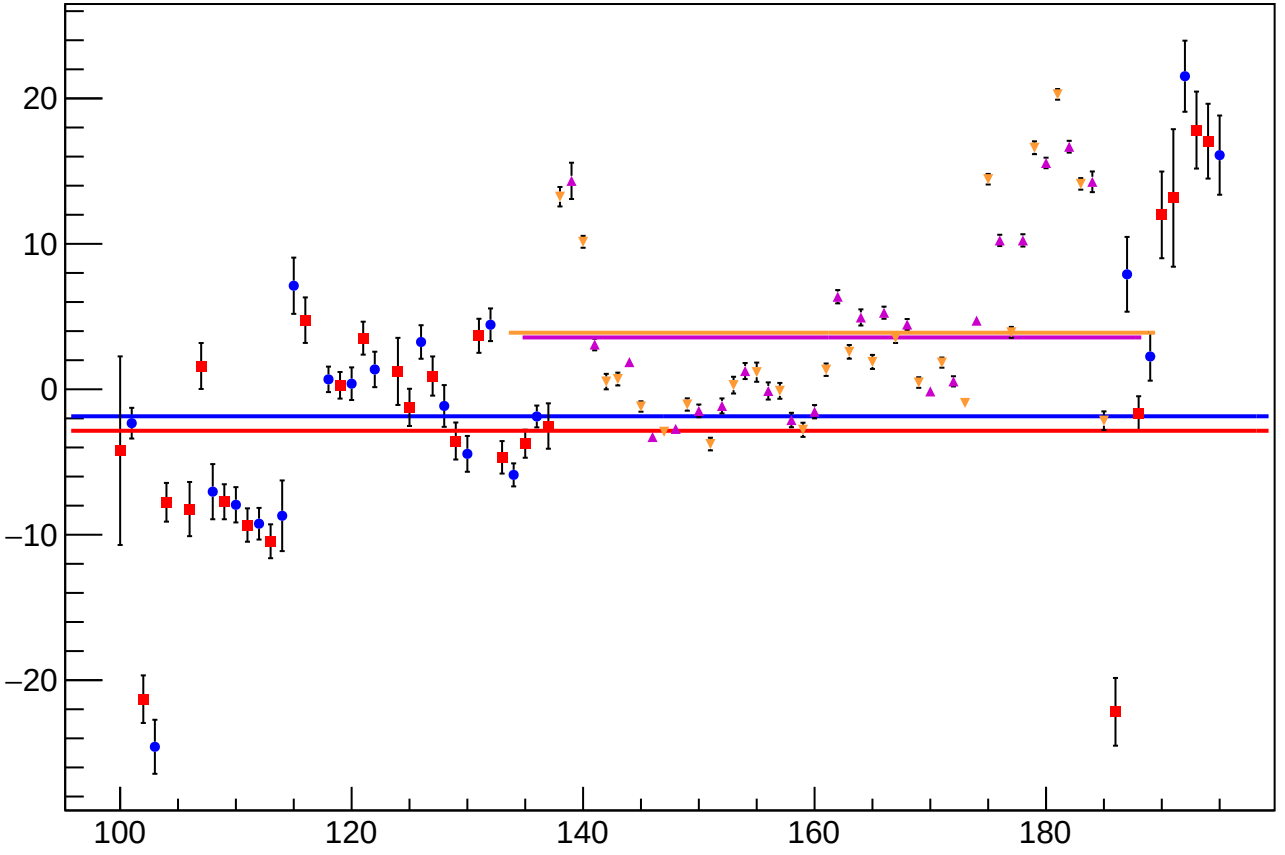
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.899+/-0.100 χ^2/NDF: 21367.5/44

All: -19.206+/-0.071 χ^2/NDF: 42143.3/92

- sign -18.494+/-0.101 χ^2/NDF: 20677.8/47

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: -2.852+/-0.282 χ^2/NDF: 589.7/24

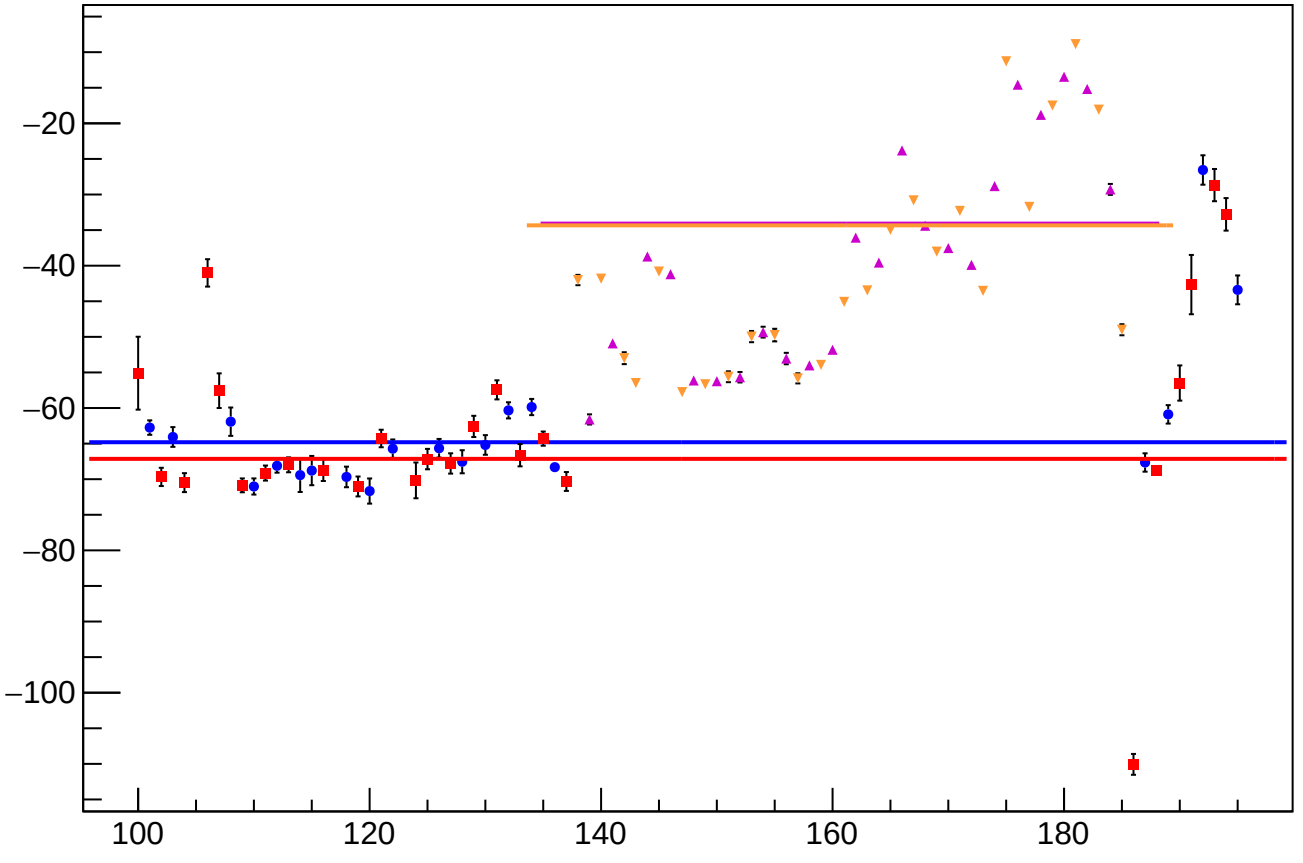
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.403+/-0.081 χ^2/NDF: 7633.4/44

All: 3.214+/-0.058 χ^2/NDF: 13447.6/92

- sign 3.017+/-0.082 χ^2/NDF: 5802.9/47

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: -67.143+/-0.271 χ^2/NDF: 1755.7/24

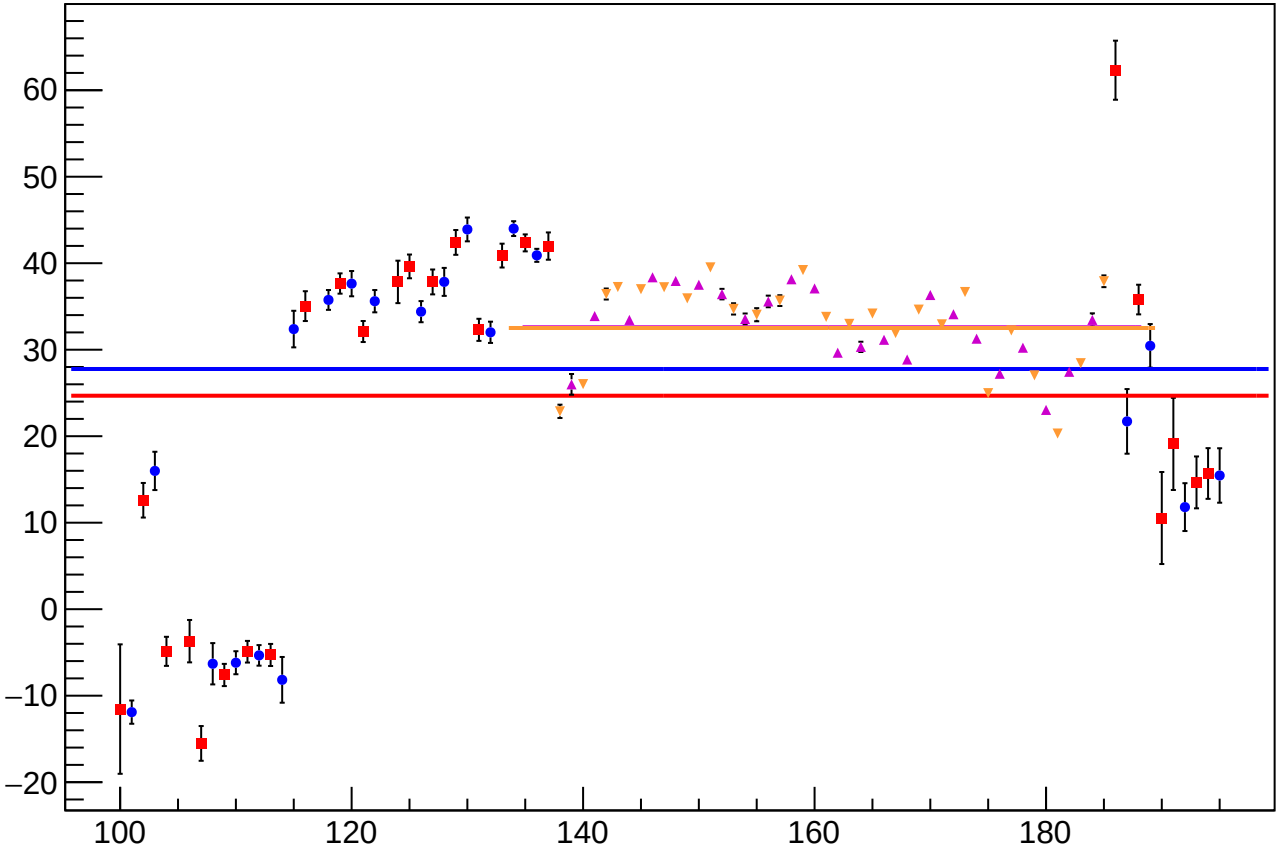
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.221+/-0.101 χ^2/NDF: 31923.1/44

All: -38.520+/-0.072 χ^2/NDF: 64142.5/92

- sign -38.828+/-0.103 χ^2/NDF: 32201.6/47

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: 24.680+/-0.323 χ^2/NDF: 4035.9/24

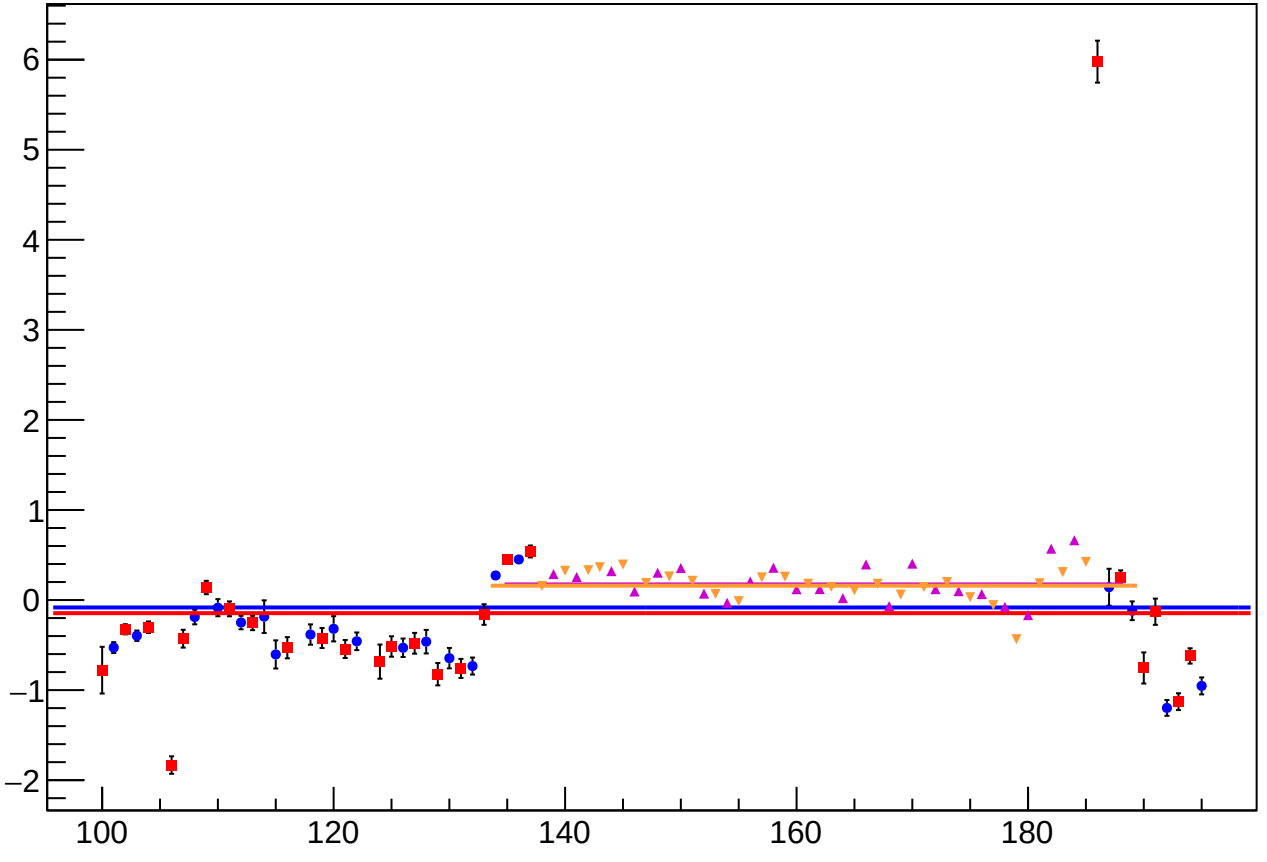
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.114+/-0.090 χ^2/NDF: 6929.9/44

All: 32.031+/-0.065 χ^2/NDF: 13532.8/92

- sign 31.945+/-0.093 χ^2/NDF: 6601.2/47

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: -0.146+/-0.017 χ^2/NDF: 1686.7/24

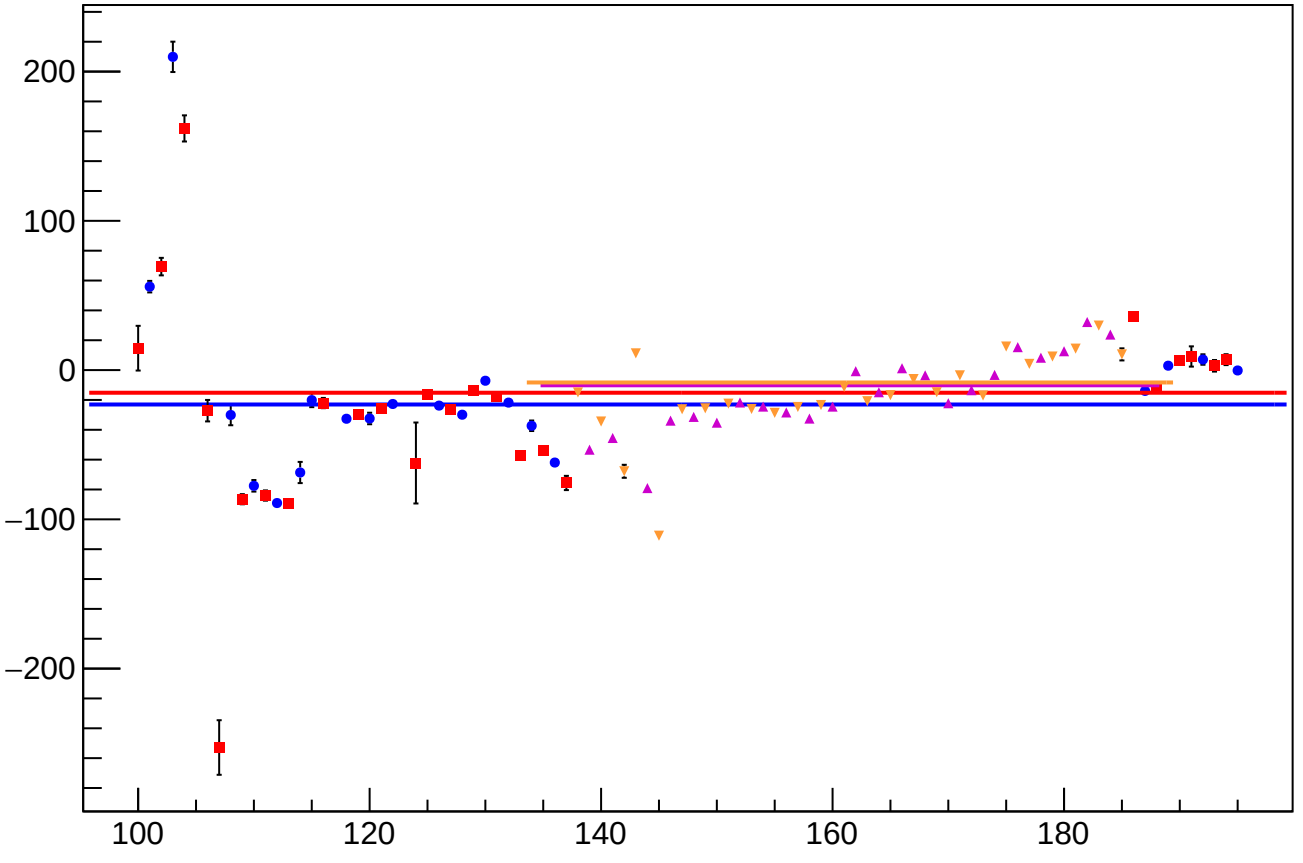
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.145+/-0.004 χ^2/NDF: 2669.8/44

All: 0.149+/-0.003 χ^2/NDF: 6806.8/92

- sign 0.155+/-0.004 χ^2/NDF: 4134.1/47

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: -15.171+/-0.602 χ^2/NDF: 3997.2/24

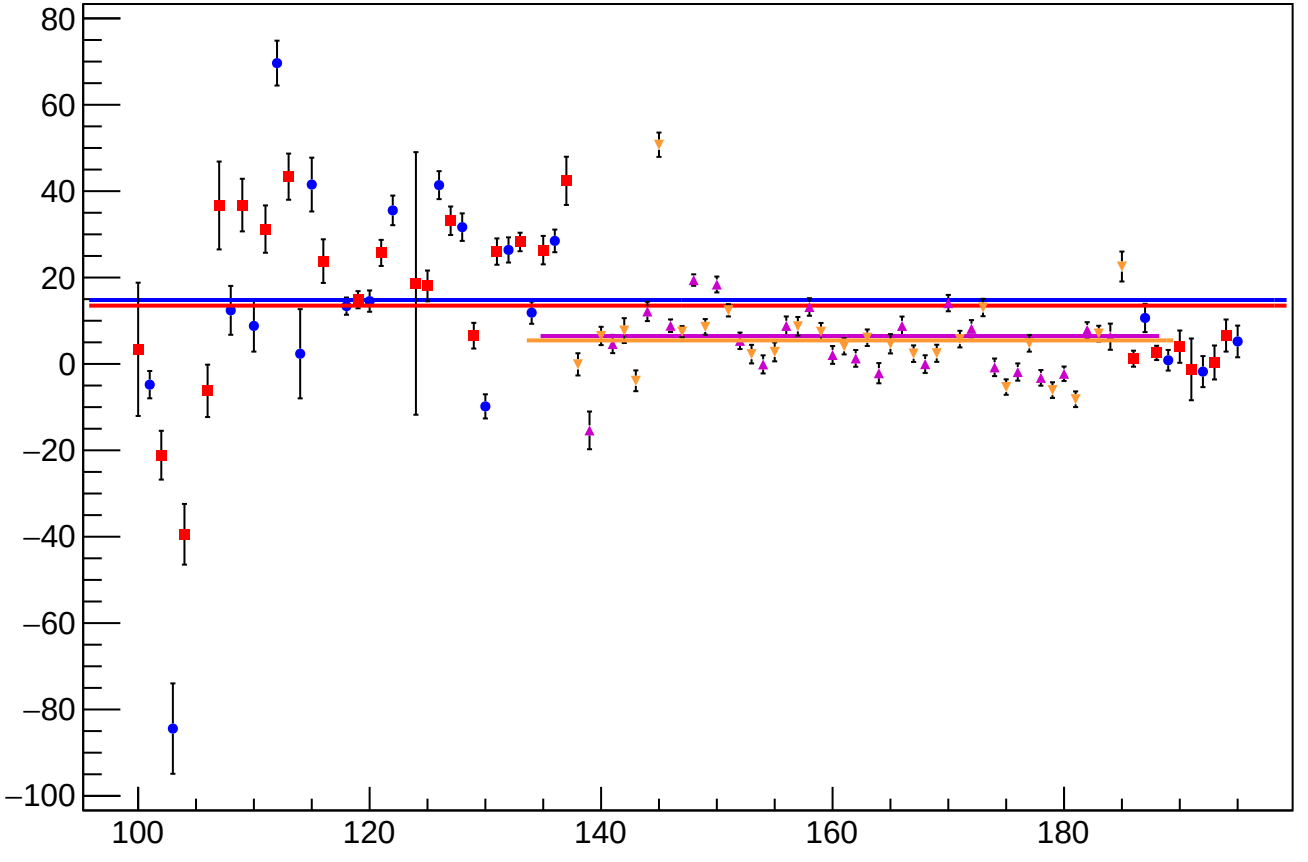
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.493+/-0.413 χ^2/NDF: 5139.6/44

All: -12.893+/-0.286 χ^2/NDF: 11698.2/92

- sign -12.343+/-0.396 χ^2/NDF: 6554.6/47

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: 13.501+/-0.673 χ^2/NDF: 449.4/24

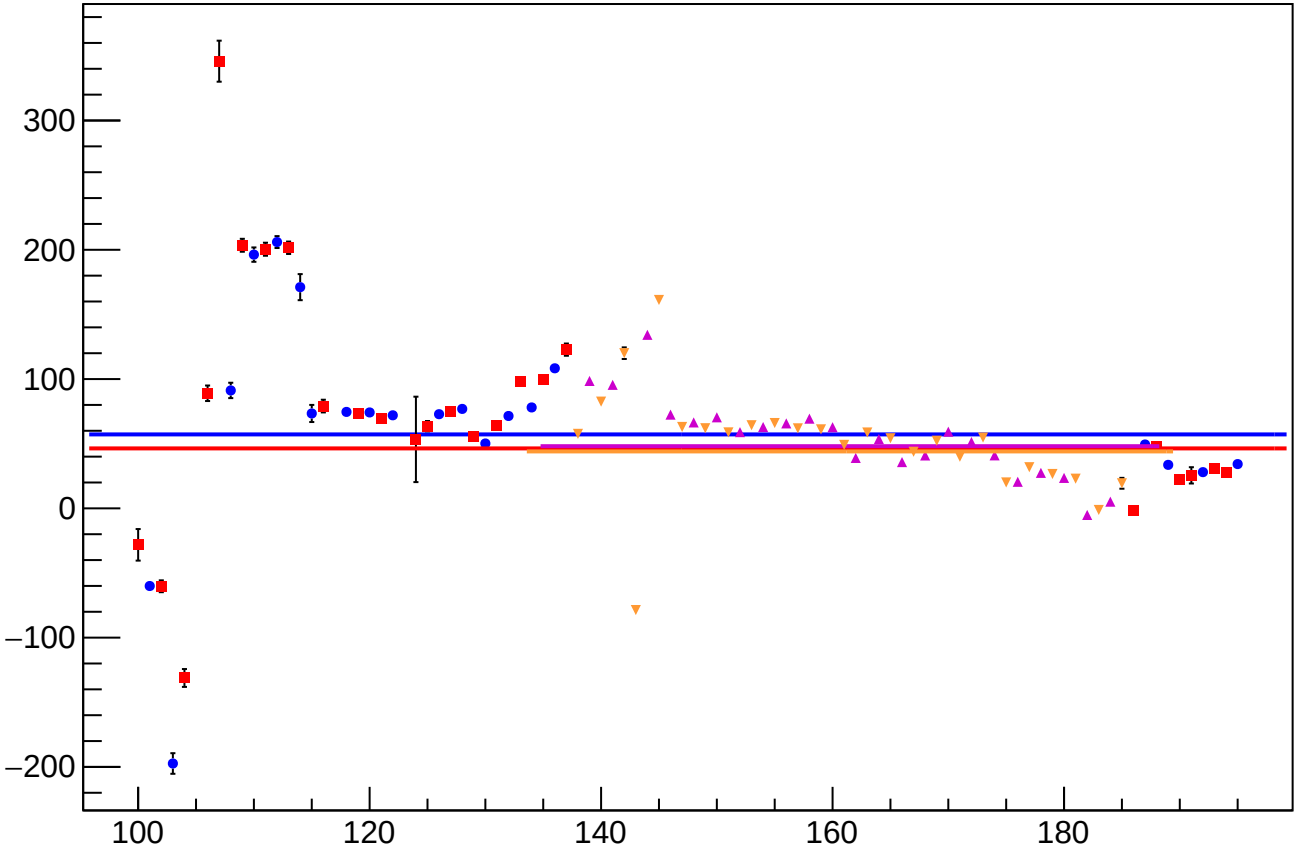
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.574+/-0.346 χ^2/NDF: 1201.2/44

All: 7.961+/-0.246 χ^2/NDF: 2069.1/92

- sign 8.354+/-0.349 χ^2/NDF: 865.4/47

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: 46.369+/-0.565 χ^2/NDF: 7459.5/24

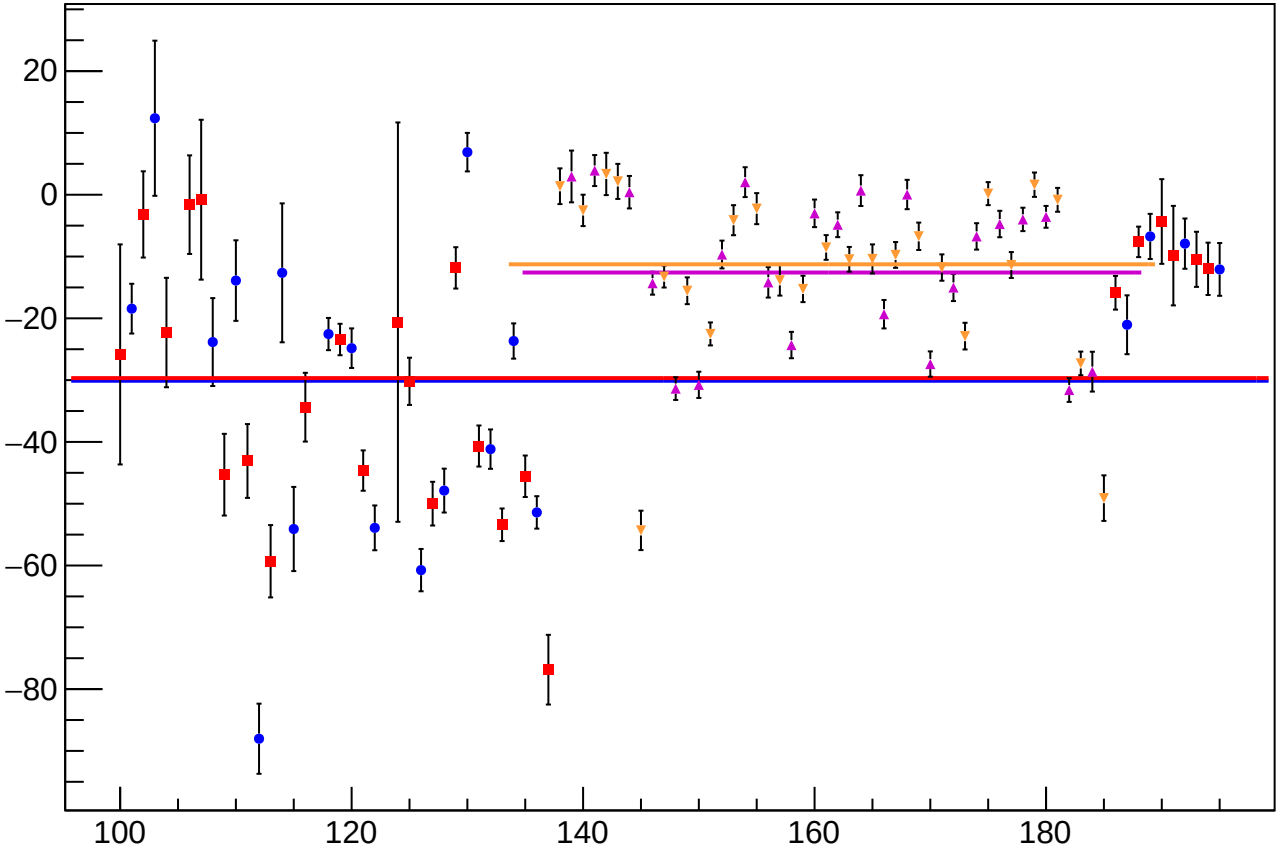
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 48.648+/-0.411 χ^2/NDF: 10207.1/44

All: 47.922+/-0.280 χ^2/NDF: 21053.8/92

- sign 47.291+/-0.383 χ^2/NDF: 10840.9/47

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: -29.676+/-0.829 χ^2/NDF: 503.7/24

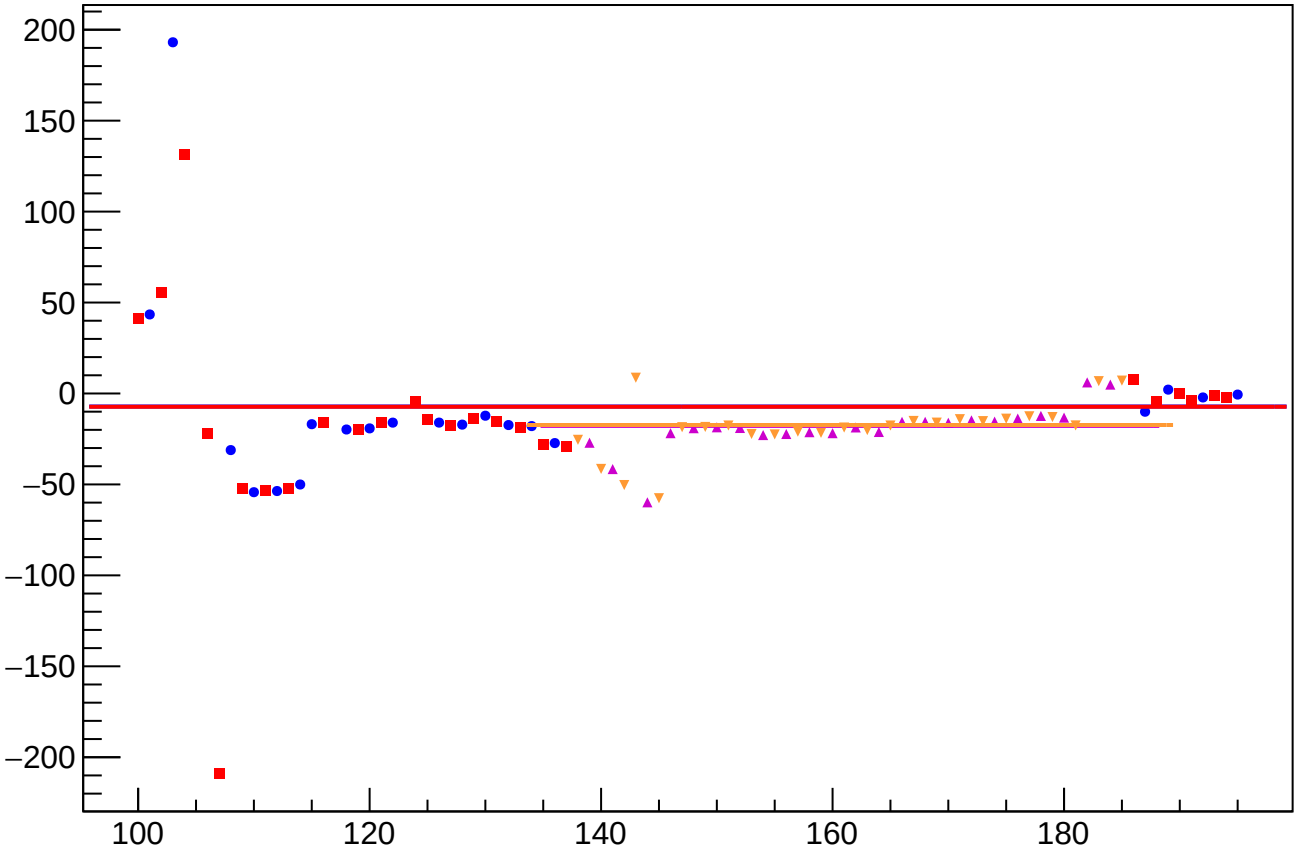
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.257+/-0.395 χ^2/NDF: 1644.9/44

All: -15.915+/-0.282 χ^2/NDF: 3151.1/92

- sign -16.594+/-0.401 χ^2/NDF: 1500.6/47

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: -7.306+/-0.045 χ^2/NDF: 469903.3/24

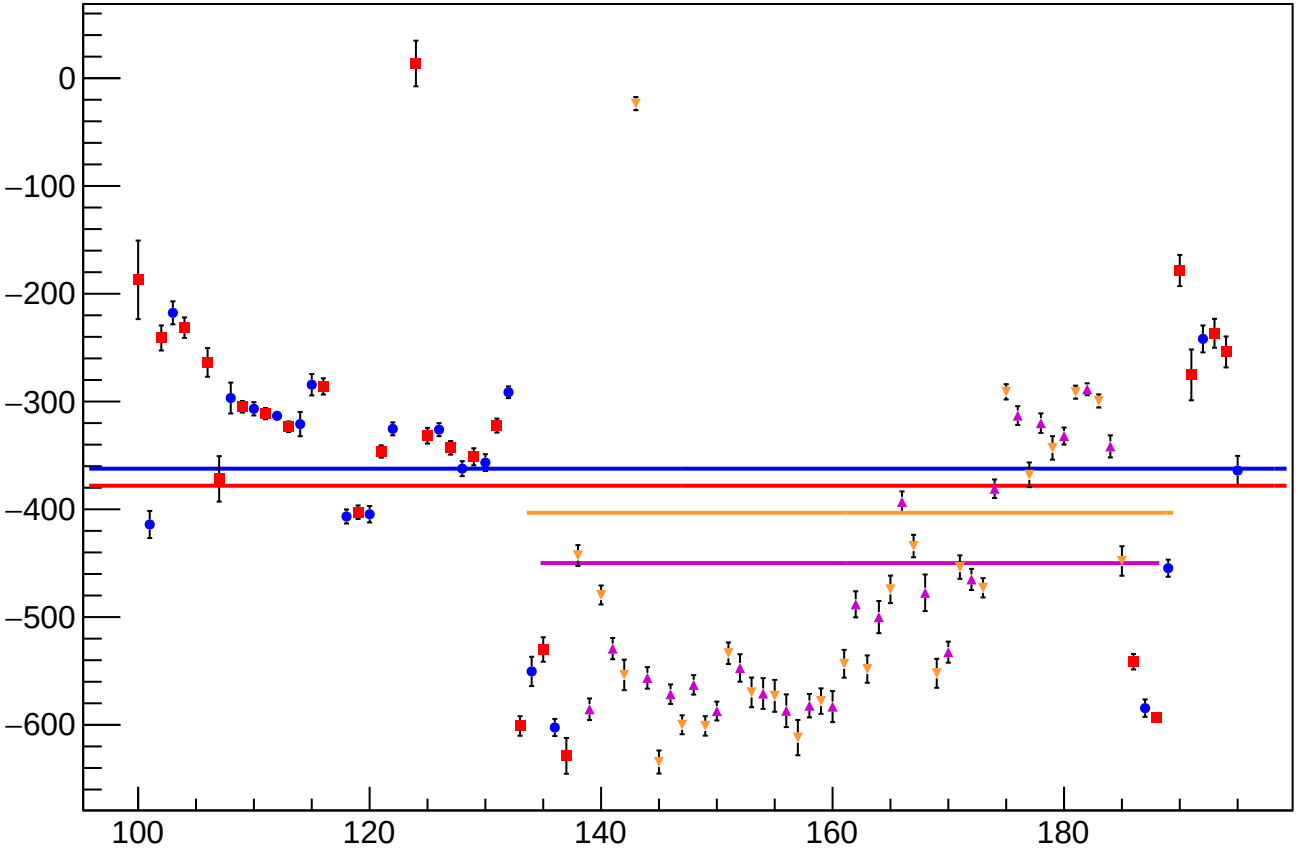
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.689+/-0.018 χ^2/NDF: 922683.4/44

All: -15.855+/-0.013 χ^2/NDF: 1706335.9/92

- sign -16.023+/-0.018 χ^2/NDF: 783487.1/47

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: -378.114+/-1.555 χ^2/NDF: 6076.5/24

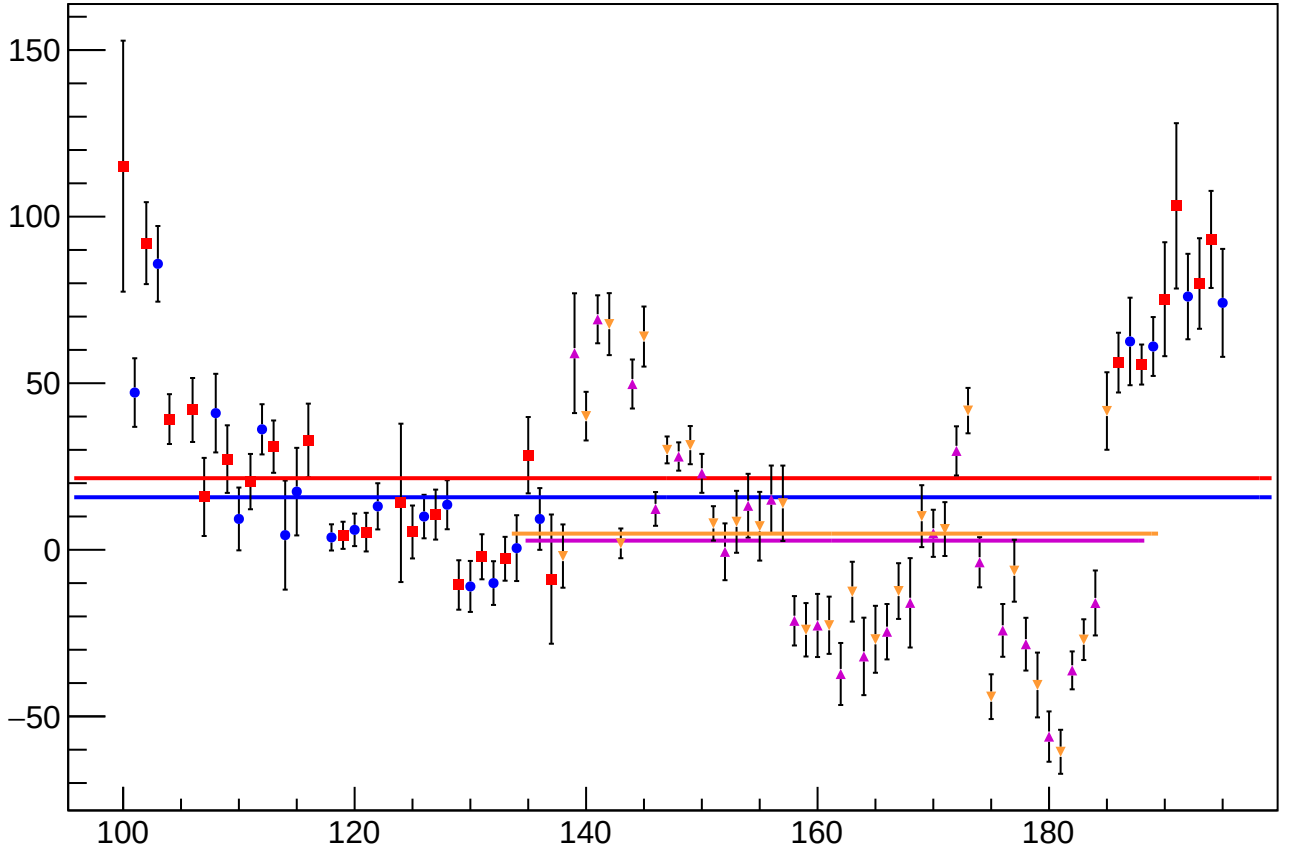
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.262+/-1.278 χ^2/NDF: 10904.9/44

All: -392.742+/-0.889 χ^2/NDF: 21167.2/92

- sign -404.446+/-1.237 χ^2/NDF: 10077.4/47

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: 21.495+/-1.700 χ^2/NDF: 241.9/24

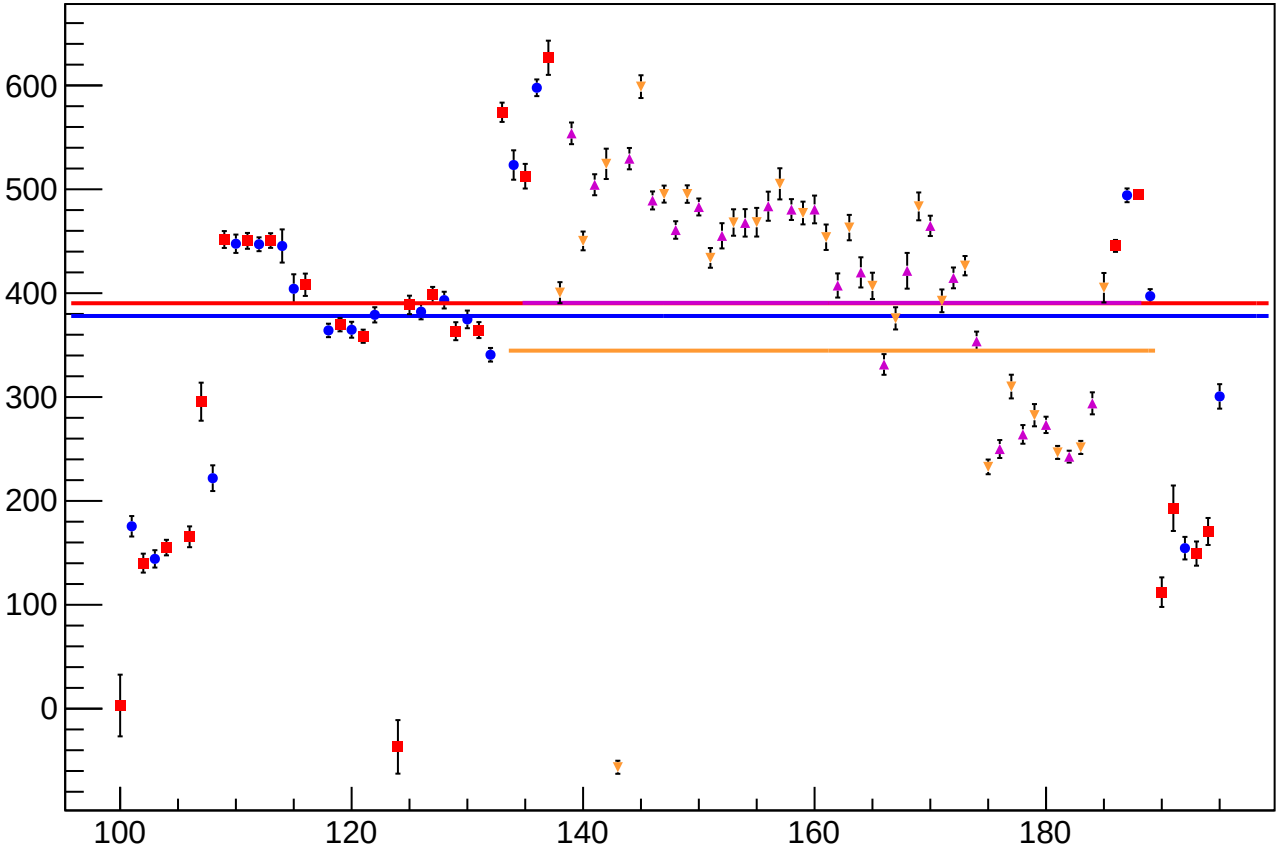
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 9.261+/-1.118 χ^2/NDF: 659.3/44

All: 10.249+/-0.800 χ^2/NDF: 1368.7/92

- sign 11.290+/-1.147 χ^2/NDF: 707.7/47

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: 390.307+/-1.639 χ^2/NDF: 5862.9/24

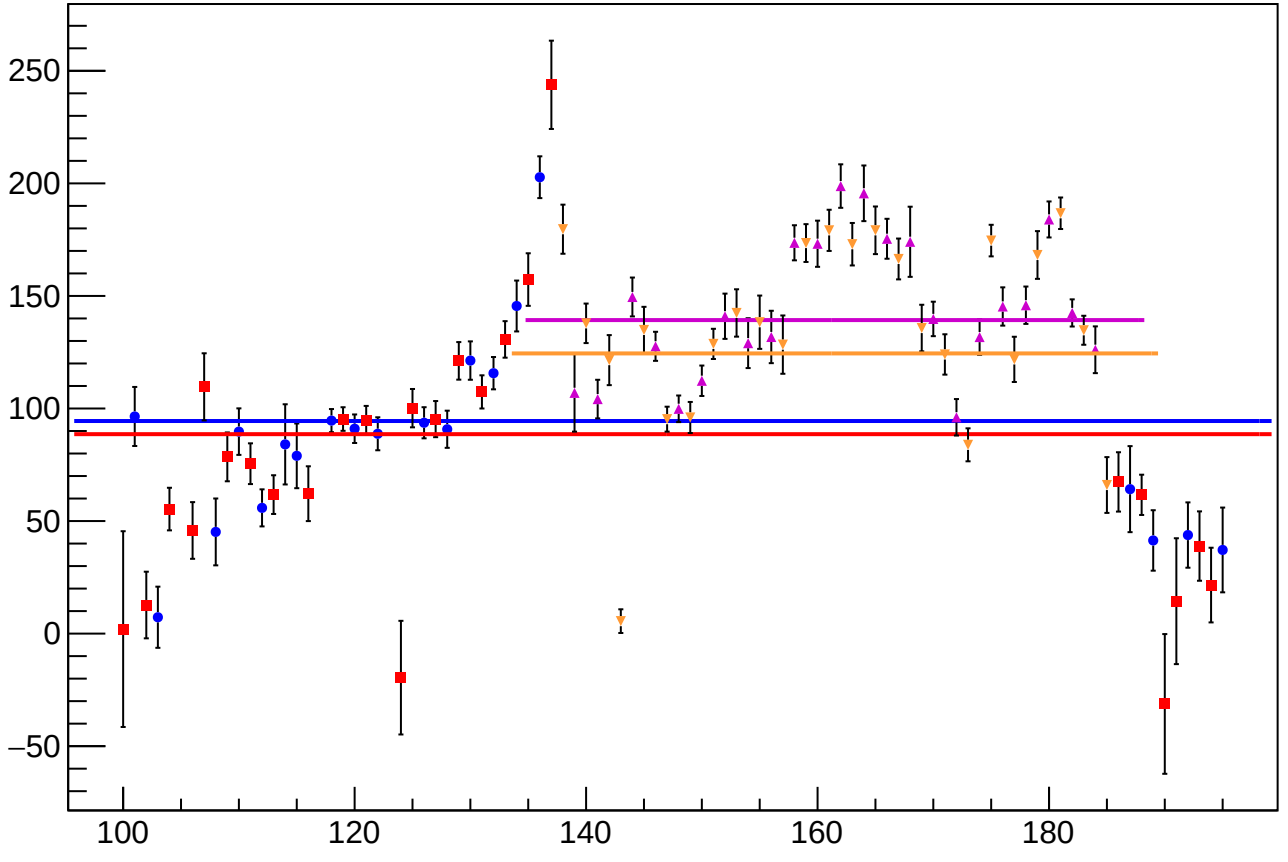
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 361.859+/-1.340 χ^2/NDF: 10666.9/44

All: 376.865+/-0.924 χ^2/NDF: 19441.5/92

- sign 390.451+/-1.275 χ^2/NDF: 8535.7/47

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: 88.598+/-2.012 χ^2/NDF: 303.4/24

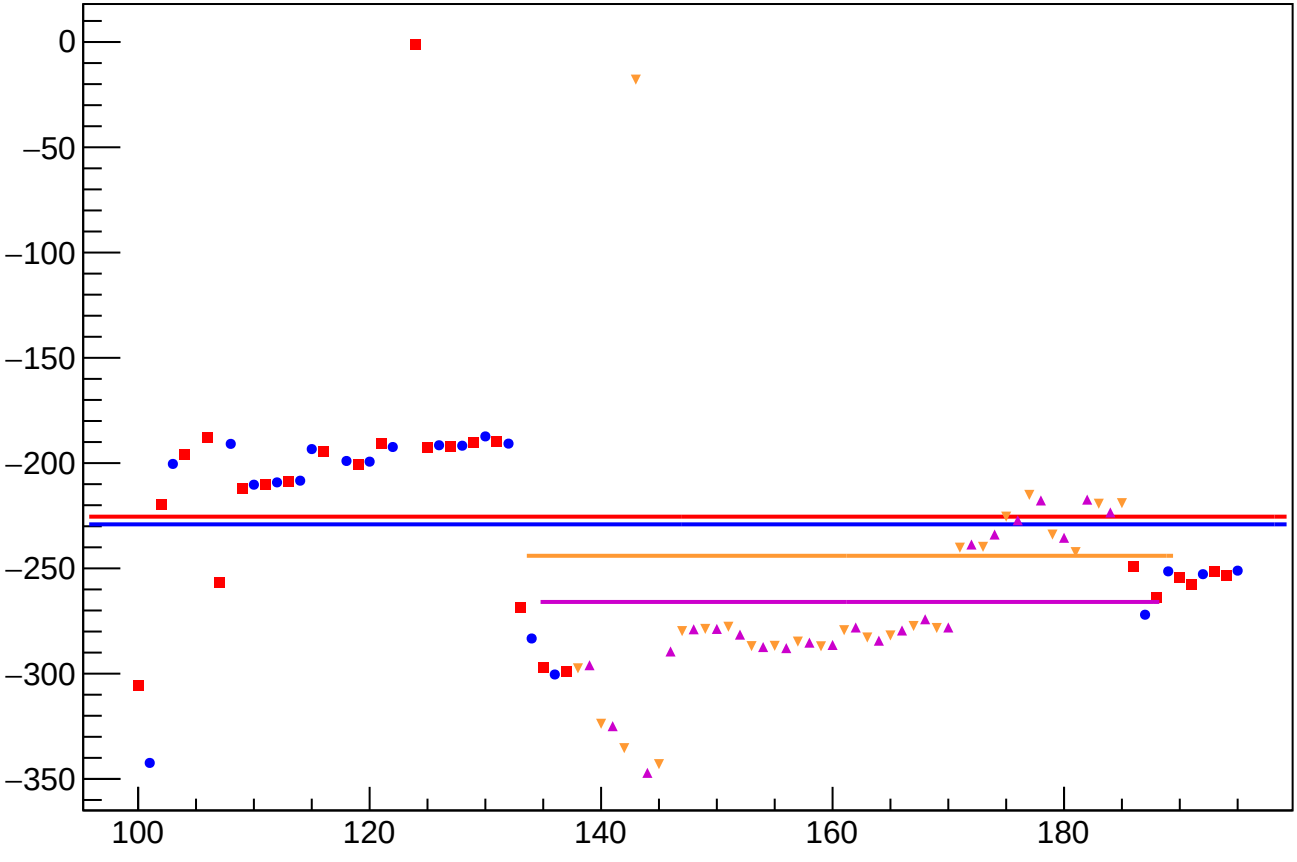
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 112.698+/-1.296 χ^2/NDF: 1357.4/44

All: 114.878+/-0.928 χ^2/NDF: 2285.2/92

- sign 117.171+/-1.329 χ^2/NDF: 922.0/47

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: -225.438+/-0.117 χ^2/NDF: 103572.5/24

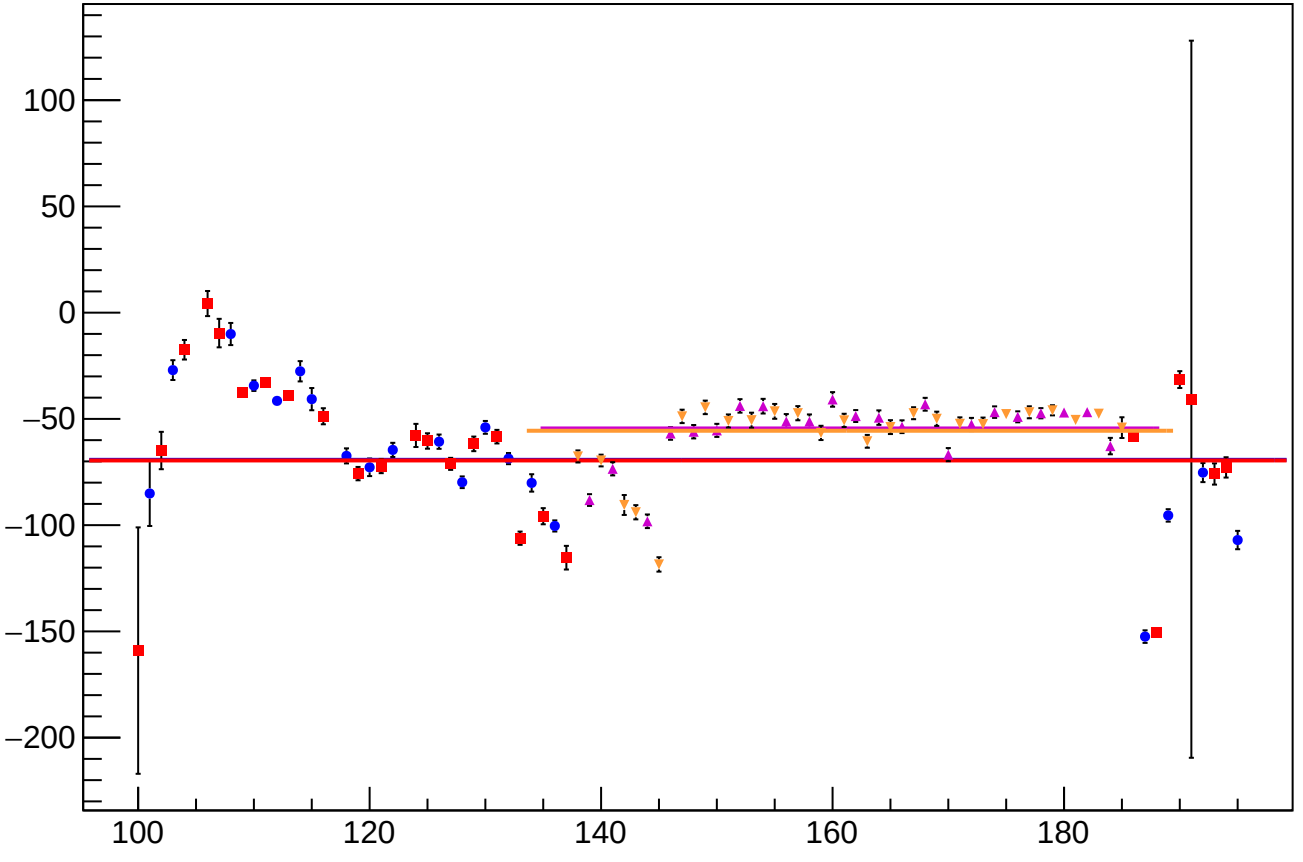
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.891+/-0.066 χ^2/NDF: 1138585.5/44

All: -246.365+/-0.047 χ^2/NDF: 1512858.0/92

- sign -252.952+/-0.066 χ^2/NDF: 354726.0/47

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: -69.549+/-0.645 χ^2/NDF: 3714.0/24

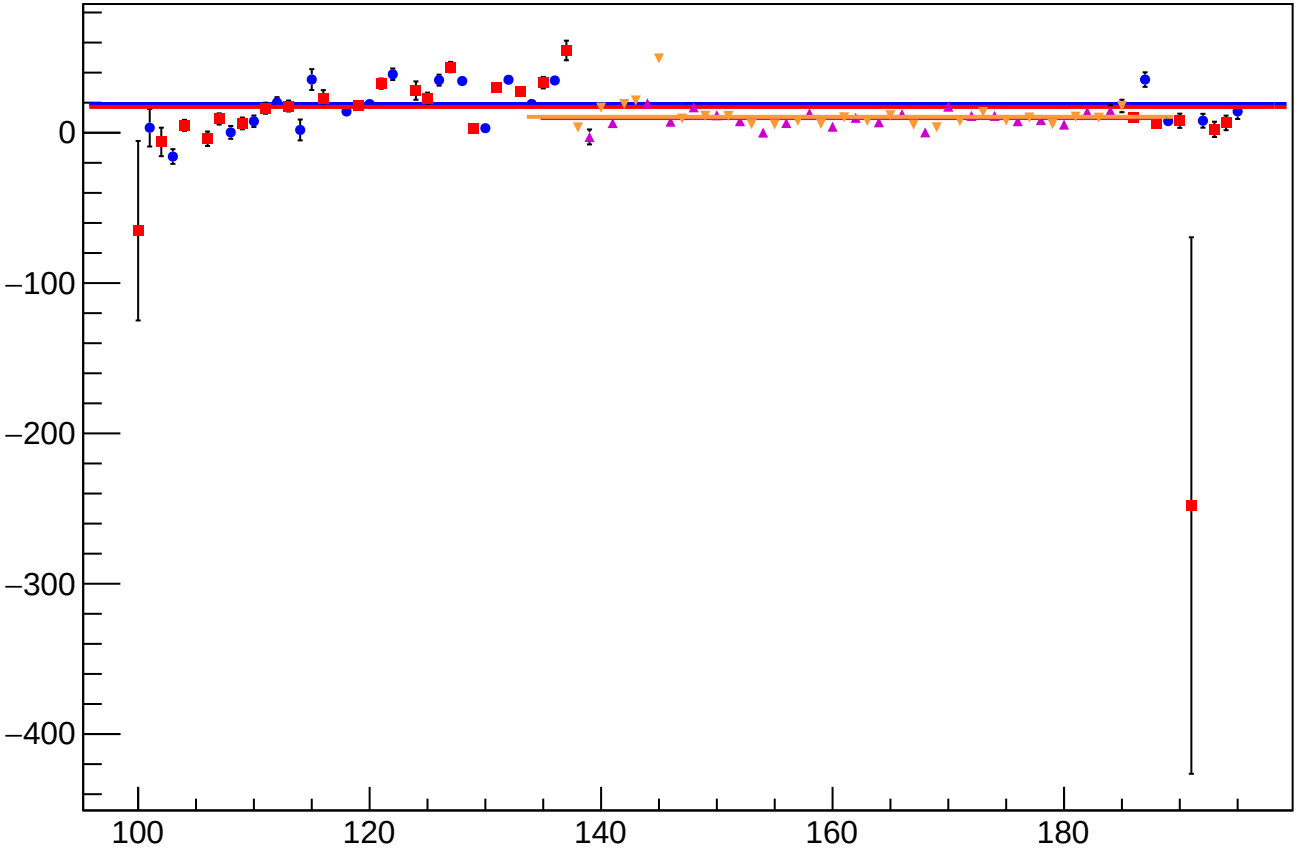
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -60.828+/-0.463 χ^2/NDF: 2722.1/44

All: -61.208+/-0.320 χ^2/NDF: 7226.7/92

- sign -61.554+/-0.442 χ^2/NDF: 4503.3/47

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: 17.198+/-0.724 χ^2/NDF: 292.8/24

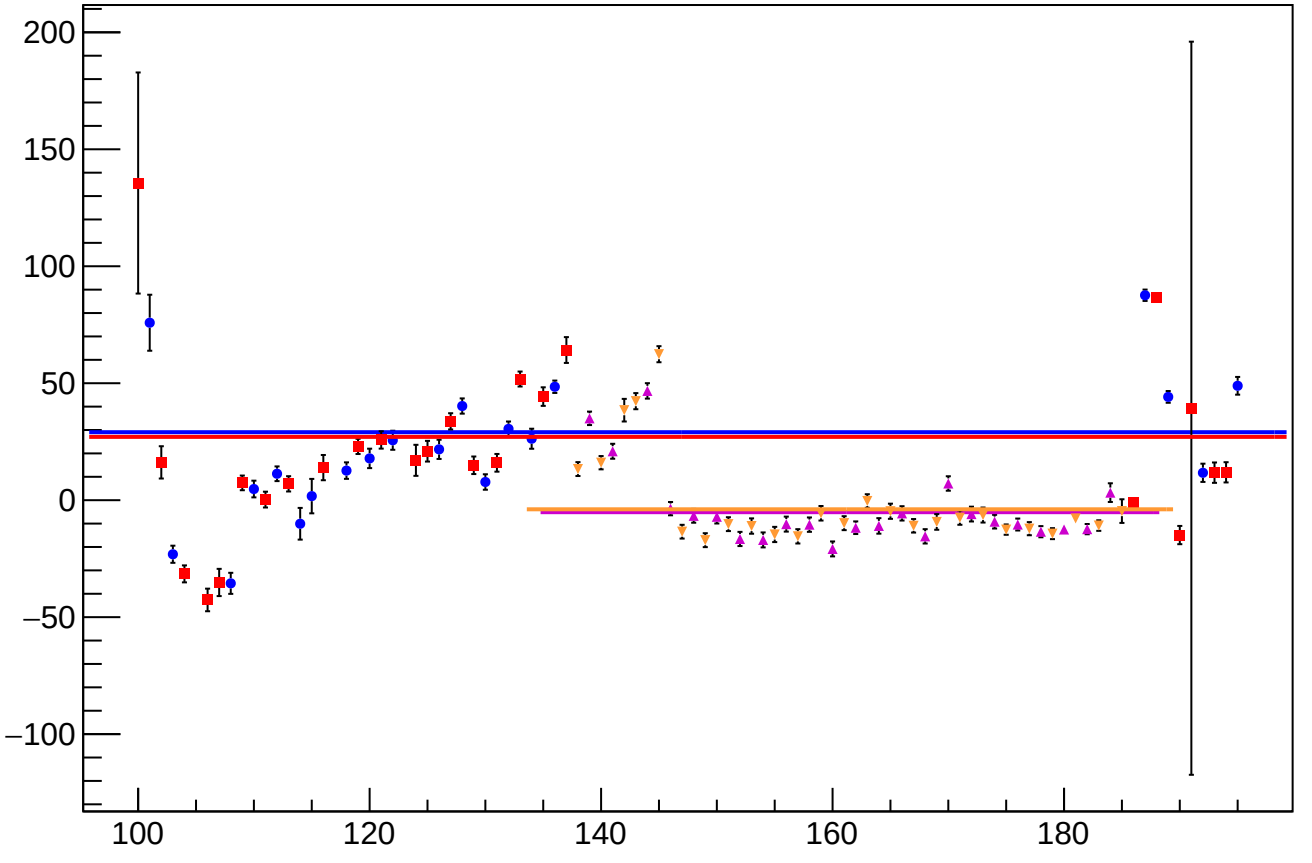
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.635+/-0.392 χ^2/NDF: 619.3/44

All: 12.293+/-0.277 χ^2/NDF: 1109.1/92

- sign 11.950+/-0.392 χ^2/NDF: 488.3/47

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: 27.066+/-0.656 χ^2/NDF: 3279.2/24

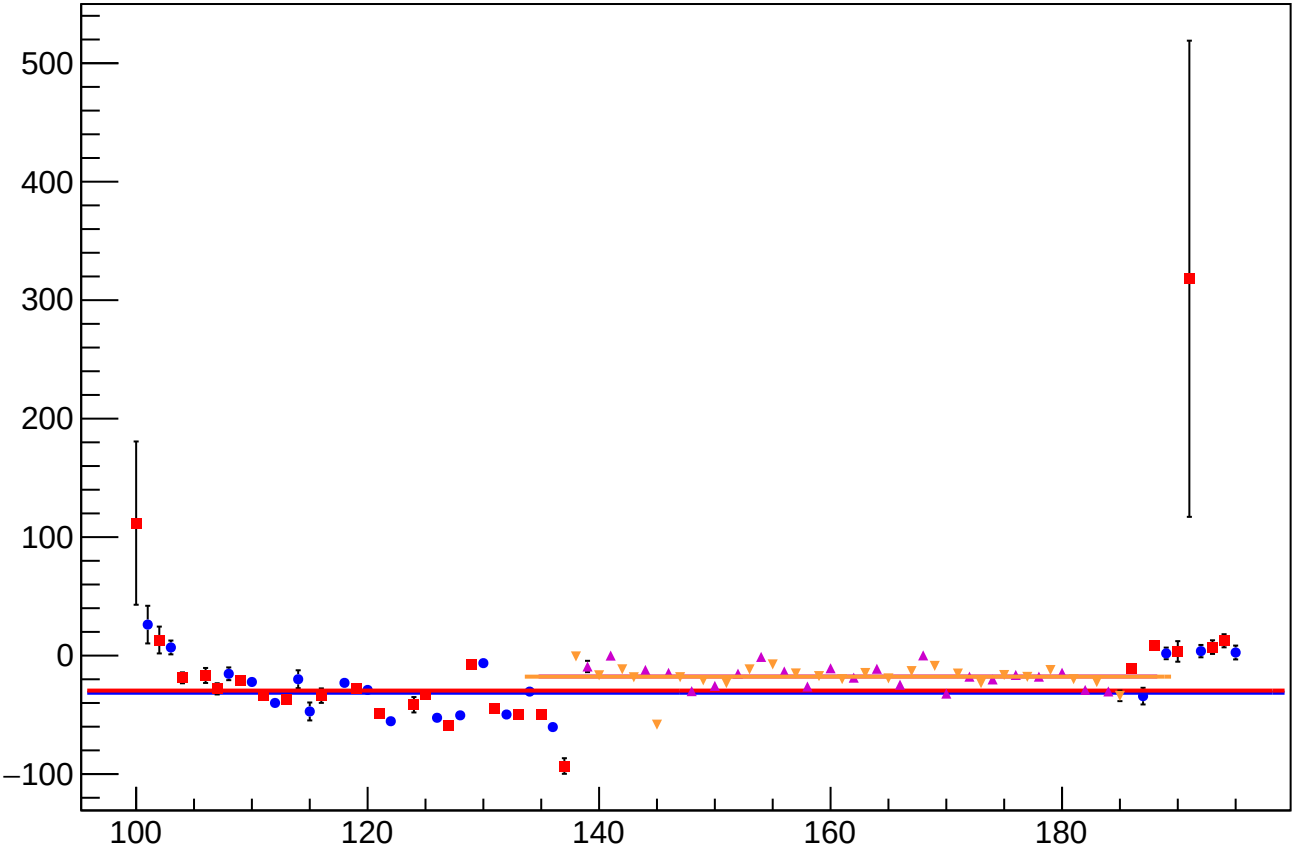
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 7.560+/-0.473 χ^2/NDF: 3307.5/44

All: 8.614+/-0.323 χ^2/NDF: 8558.4/92

\- sign 9.537+/-0.442 χ^2/NDF: 5241.6/47

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: -29.534+/-0.872 χ^2/NDF: 625.9/24

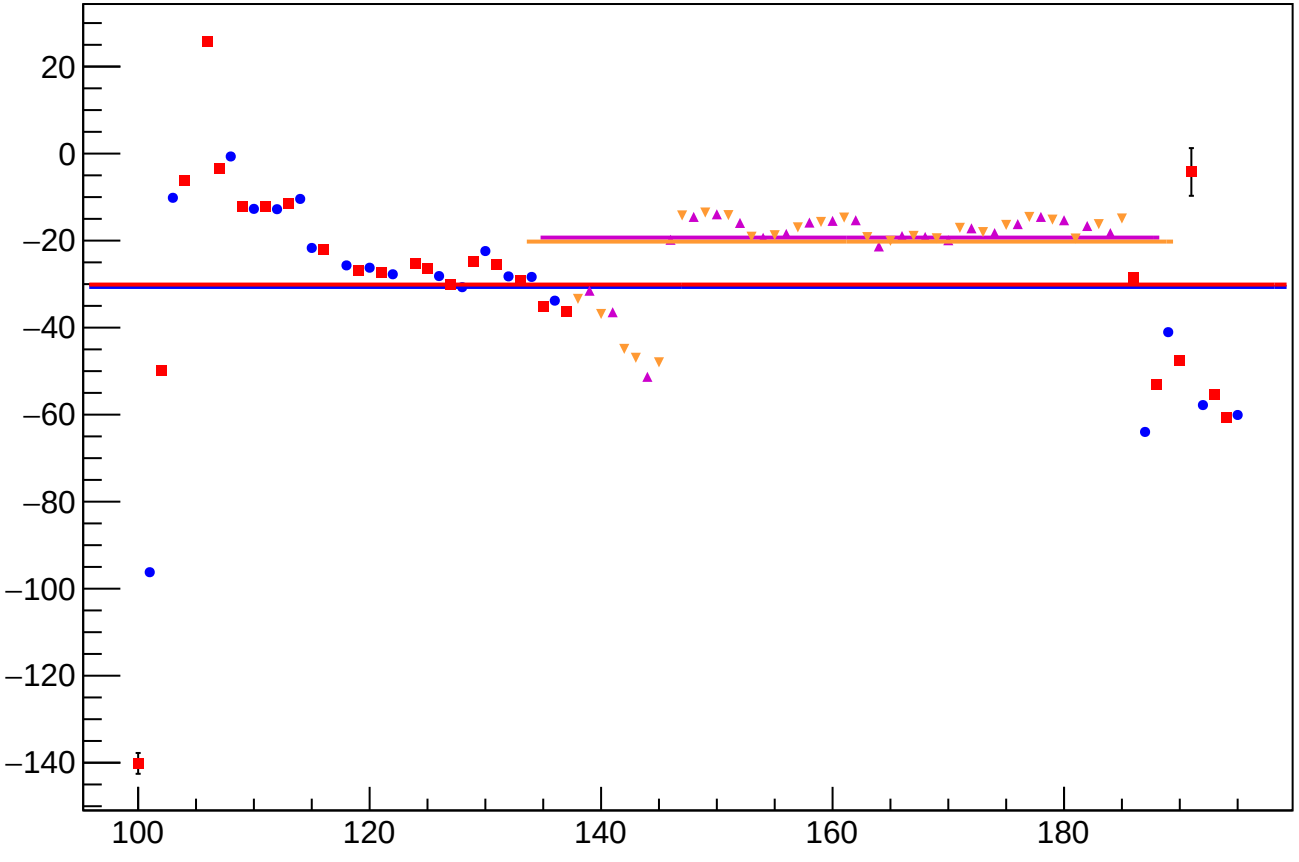
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.887+/-0.447 χ^2/NDF: 899.3/44

All: -20.852+/-0.317 χ^2/NDF: 1947.4/92

- sign -20.815+/-0.450 χ^2/NDF: 1048.1/47

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: -30.103+/-0.049 χ^2/NDF: 193754.4/24

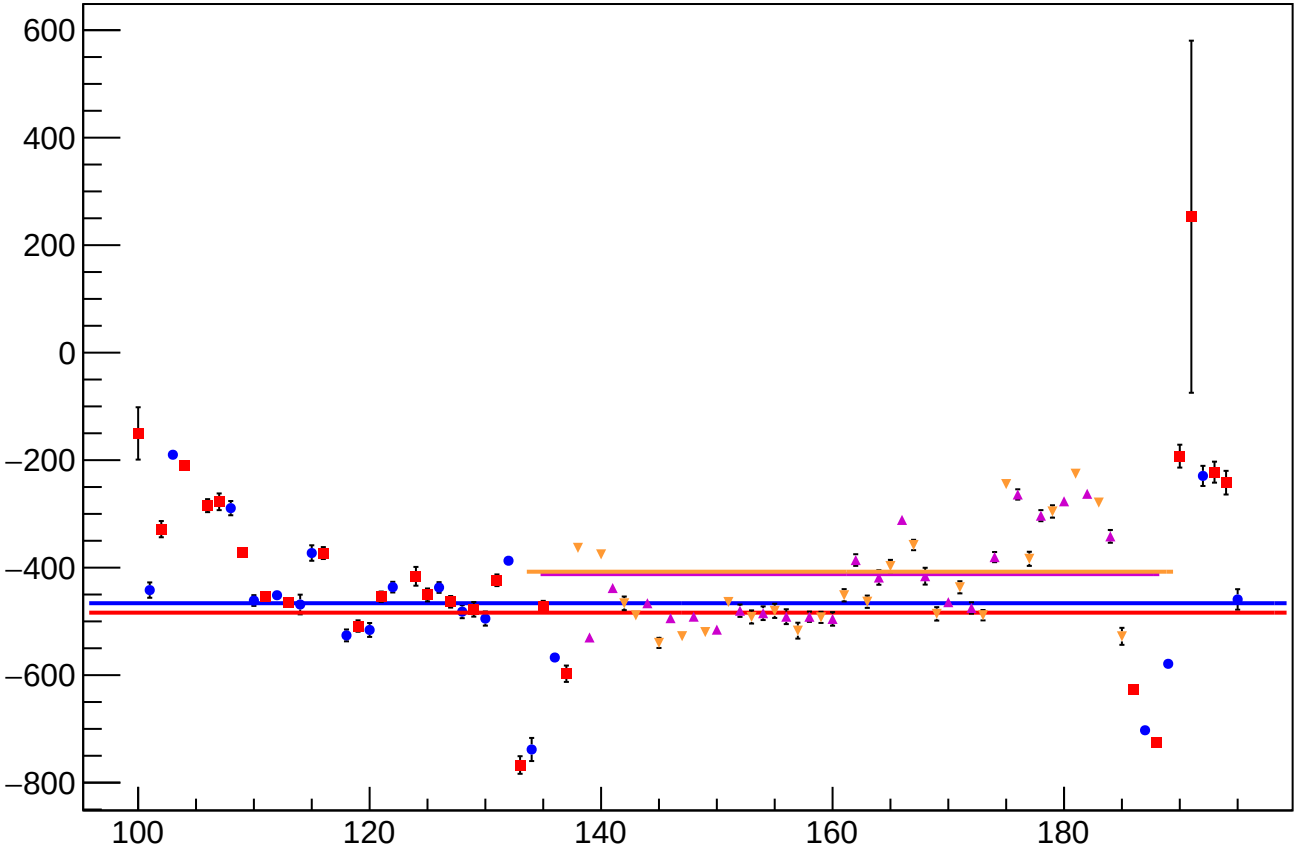
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -22.007+/-0.021 χ^2/NDF: 314833.2/44

All: -21.659+/-0.015 χ^2/NDF: 642017.9/92

- sign -21.305+/-0.021 χ^2/NDF: 326621.4/47

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: -483.759+/-2.118 χ^2/NDF: 5716.5/24

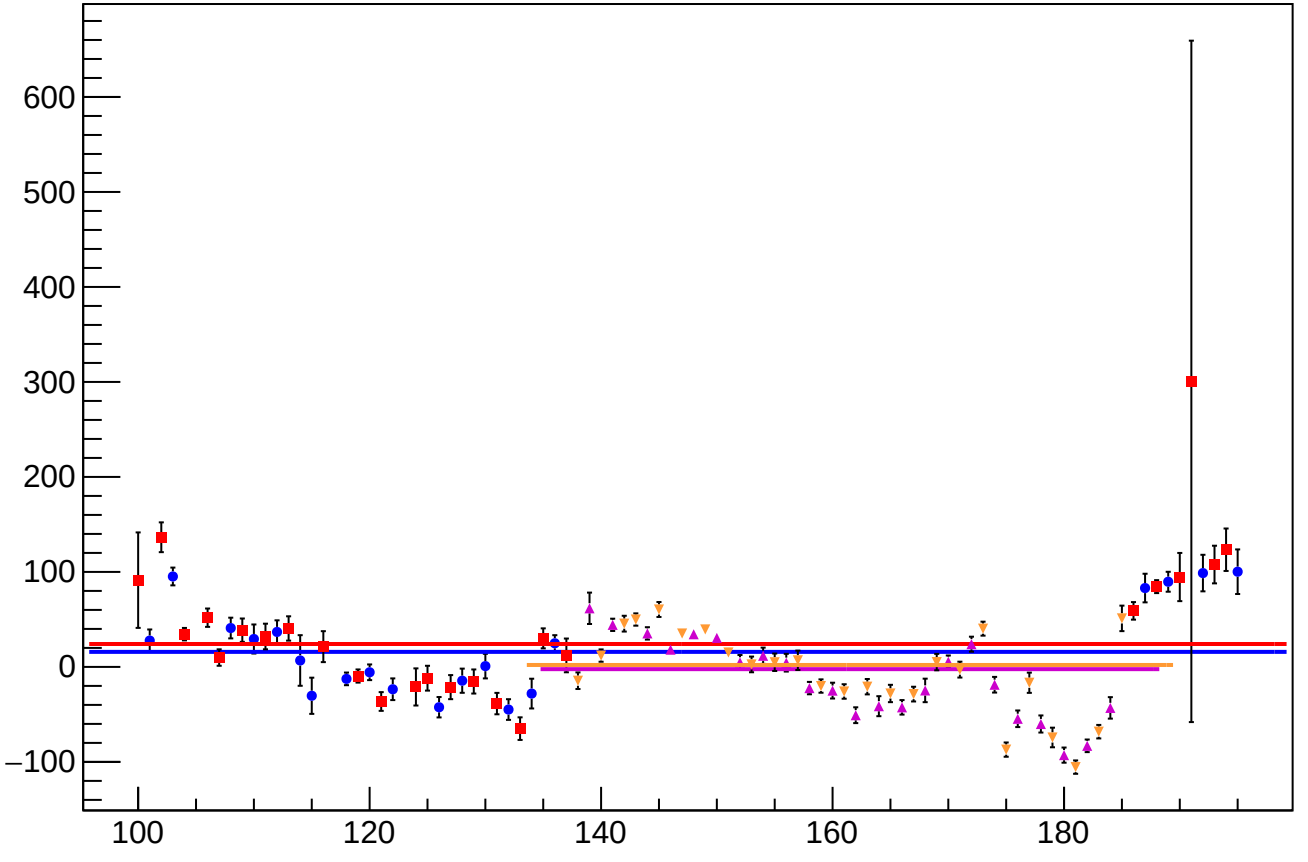
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.393+/-1.524 χ^2/NDF: 5847.0/44

All: -438.556+/-1.053 χ^2/NDF: 14403.3/92

- sign -446.020+/-1.457 χ^2/NDF: 8501.4/47

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: 24.118+/-2.280 χ^2/NDF: 393.3/24

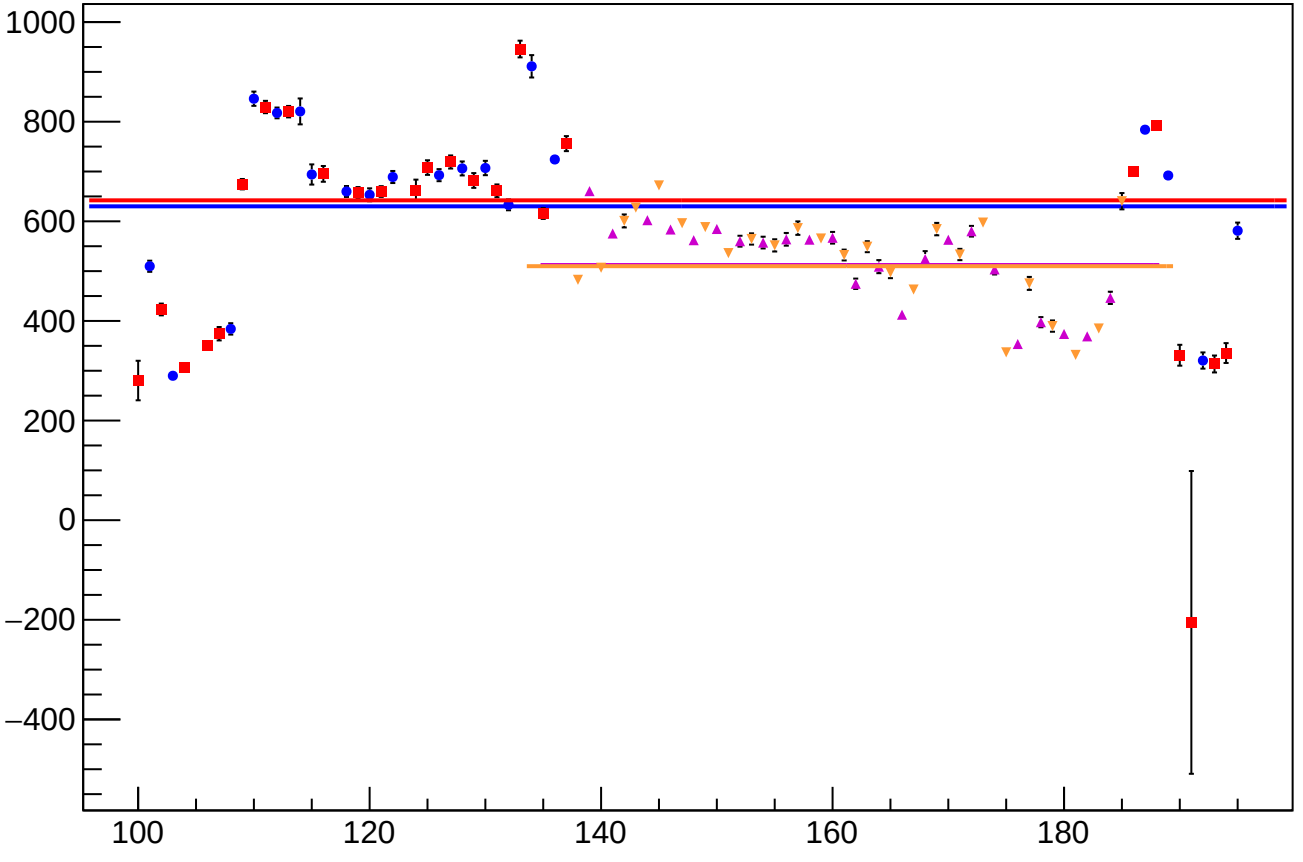
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 5.298+/-1.246 χ^2/NDF: 1235.4/44

All: 5.402+/-0.880 χ^2/NDF: 2456.9/92

- sign 5.505+/-1.243 χ^2/NDF: 1221.5/47

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: 642.137+/-2.078 χ^2/NDF: 7730.2/24

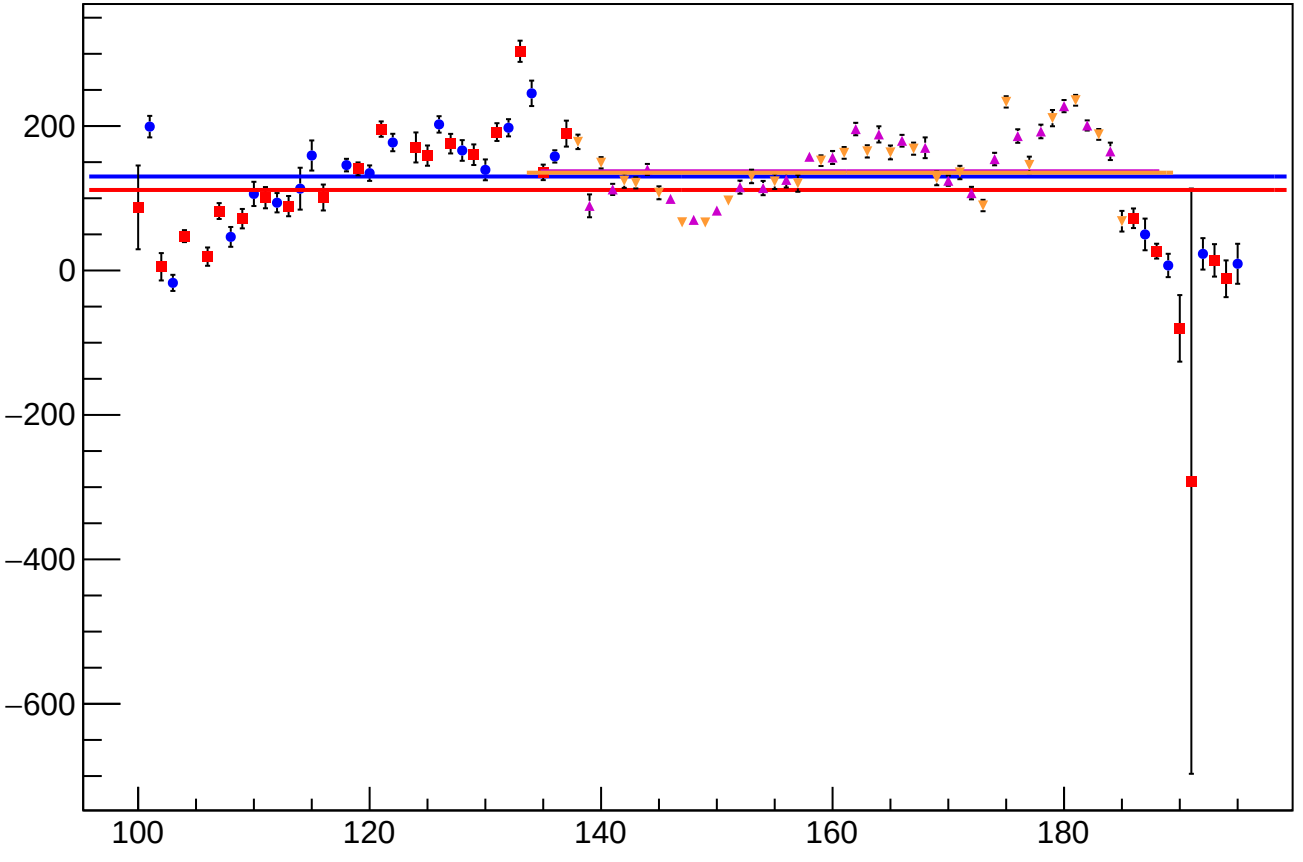
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.097+/-1.529 χ^2/NDF: 8890.6/44

All: 565.260+/-1.046 χ^2/NDF: 20835.4/92

- sign 574.209+/-1.435 χ^2/NDF: 11861.7/47

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: 111.482+/-2.757 χ^2/NDF: 664.9/24

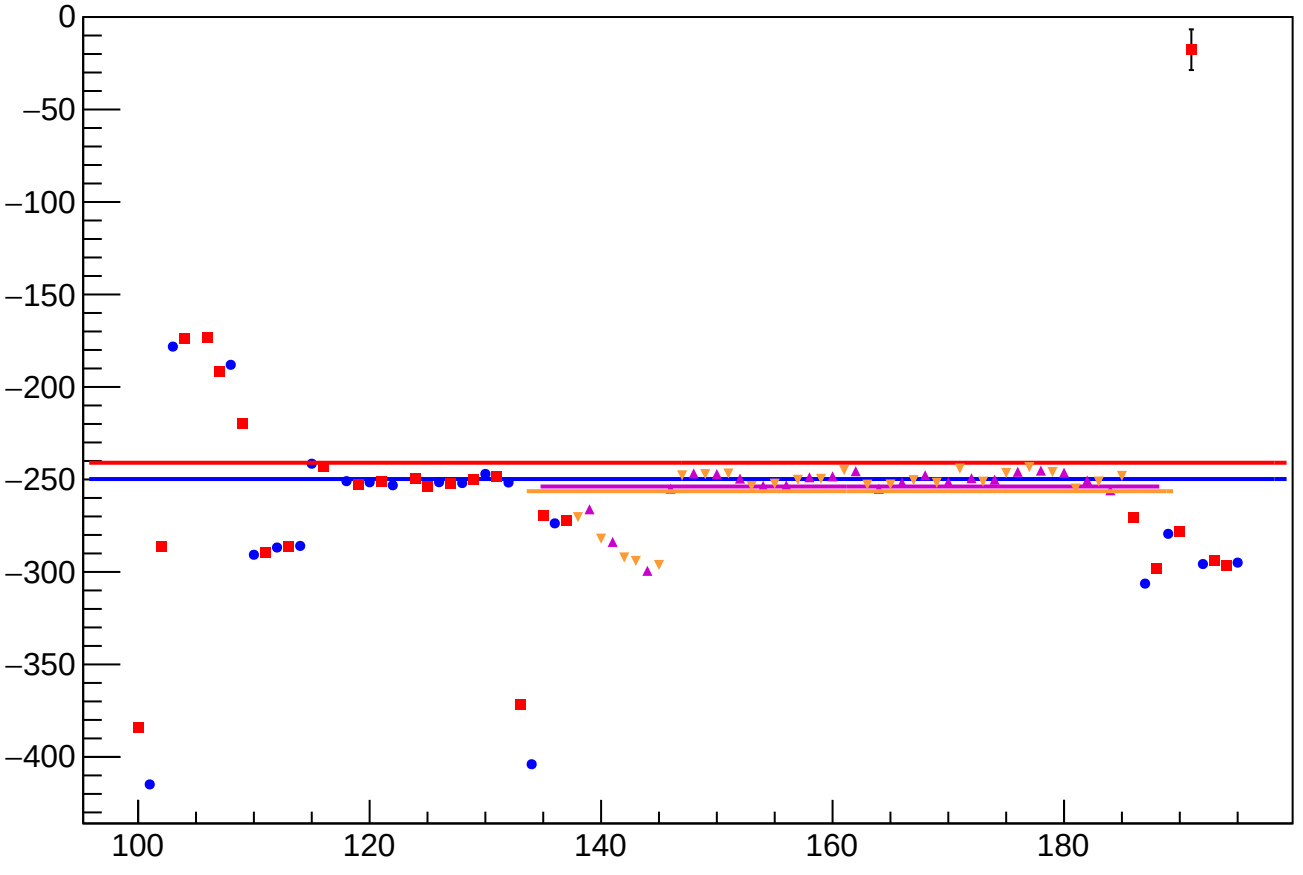
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 134.192+/-1.447 χ^2/NDF: 1436.0/44

All: 132.212+/-1.023 χ^2/NDF: 2874.4/92

- sign 130.227+/-1.448 χ^2/NDF: 1434.7/47

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: -240.957+/-0.143 χ^2/NDF: 130954.1/24

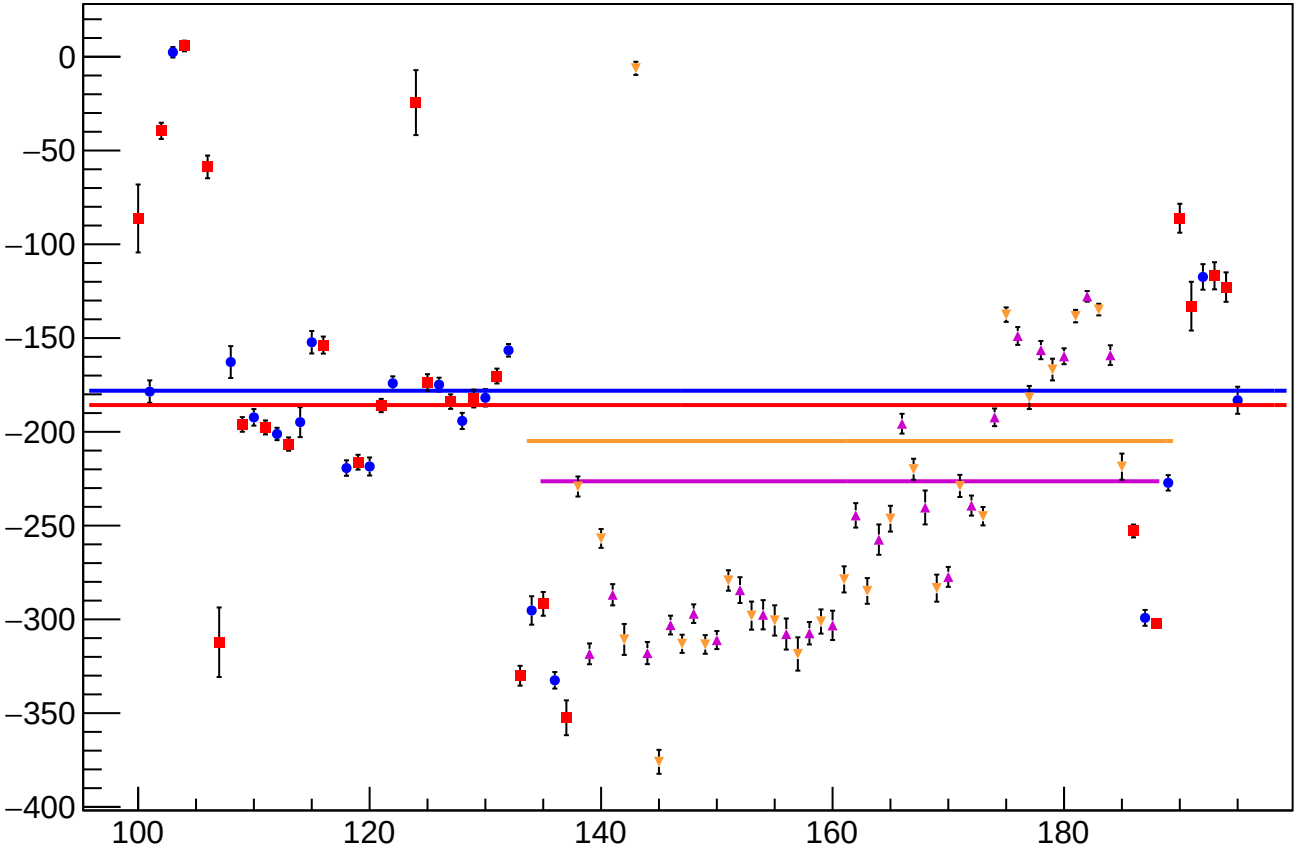
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.993+/-0.069 χ^2/NDF: 226885.6/44

All: -252.926+/-0.048 χ^2/NDF: 389966.7/92

- sign -250.876+/-0.068 χ^2/NDF: 161274.5/47

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: -185.727+/-0.891 χ^2/NDF: 11182.7/24

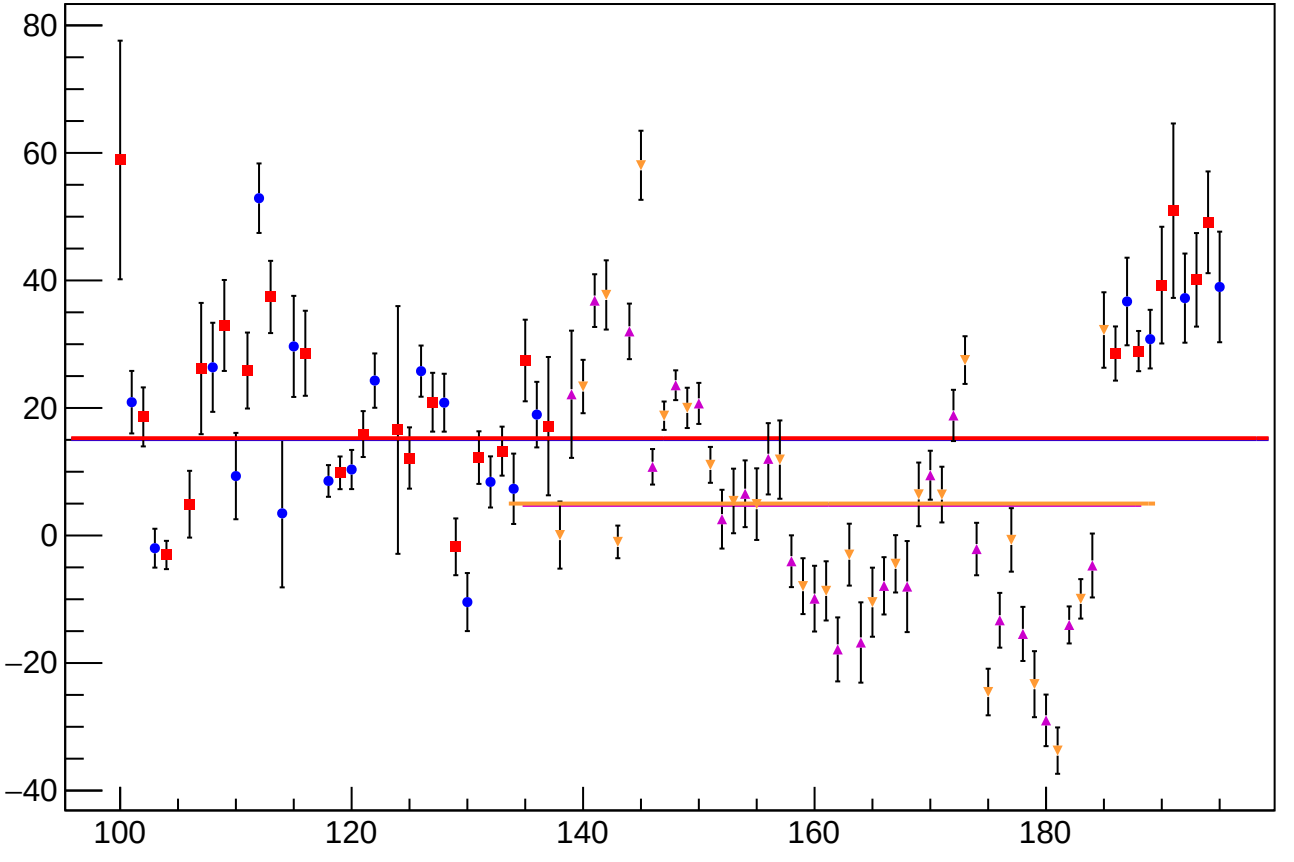
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.678+/-0.721 χ^2/NDF: 15205.6/44

All: -196.427+/-0.500 χ^2/NDF: 31549.1/92

- sign -201.748+/-0.694 χ^2/NDF: 16221.1/47

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: 15.254+/-0.936 χ^2/NDF: 205.1/24

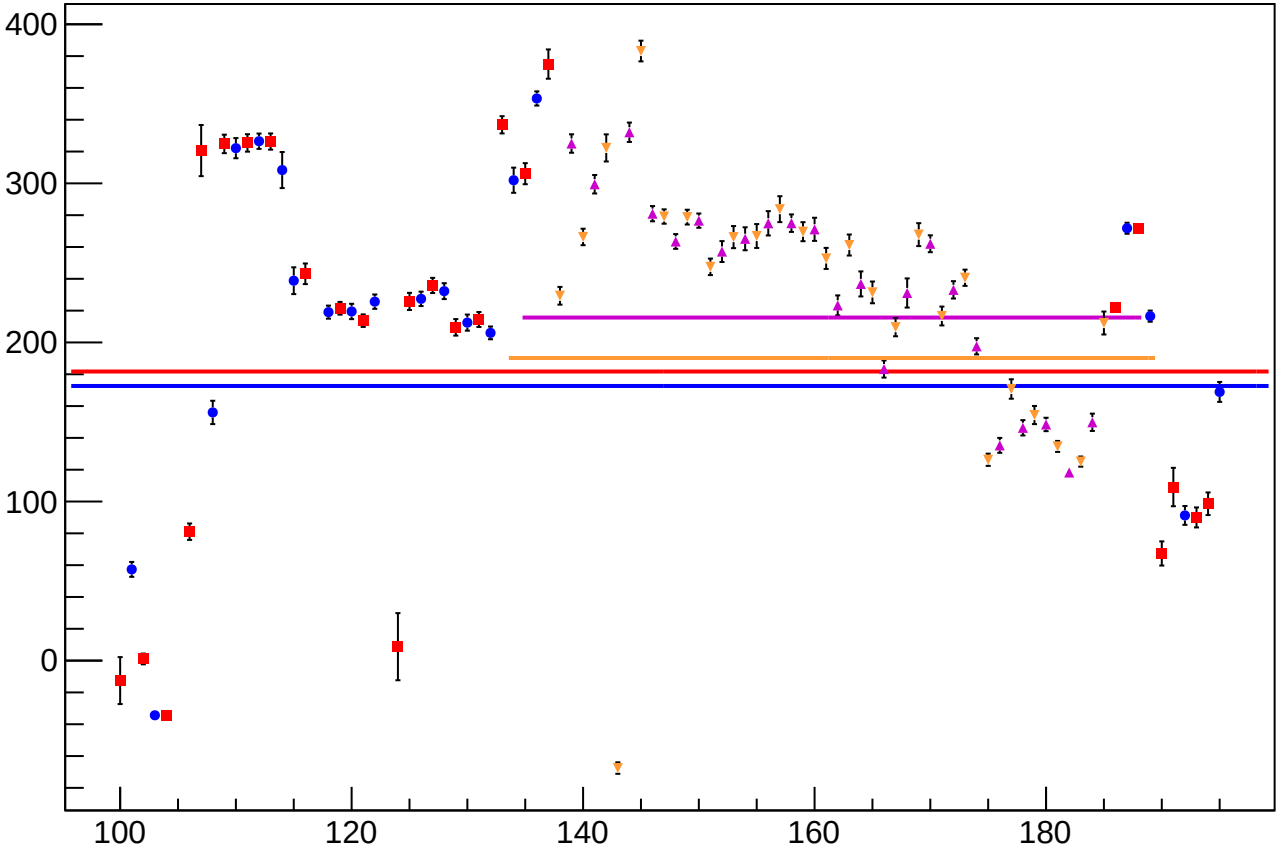
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.829+/-0.626 χ^2/NDF: 797.2/44

All: 9.163+/-0.443 χ^2/NDF: 1497.7/92

- sign 9.500+/-0.628 χ^2/NDF: 700.0/47

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: 181.734+/-0.870 χ^2/NDF: 20339.5/24

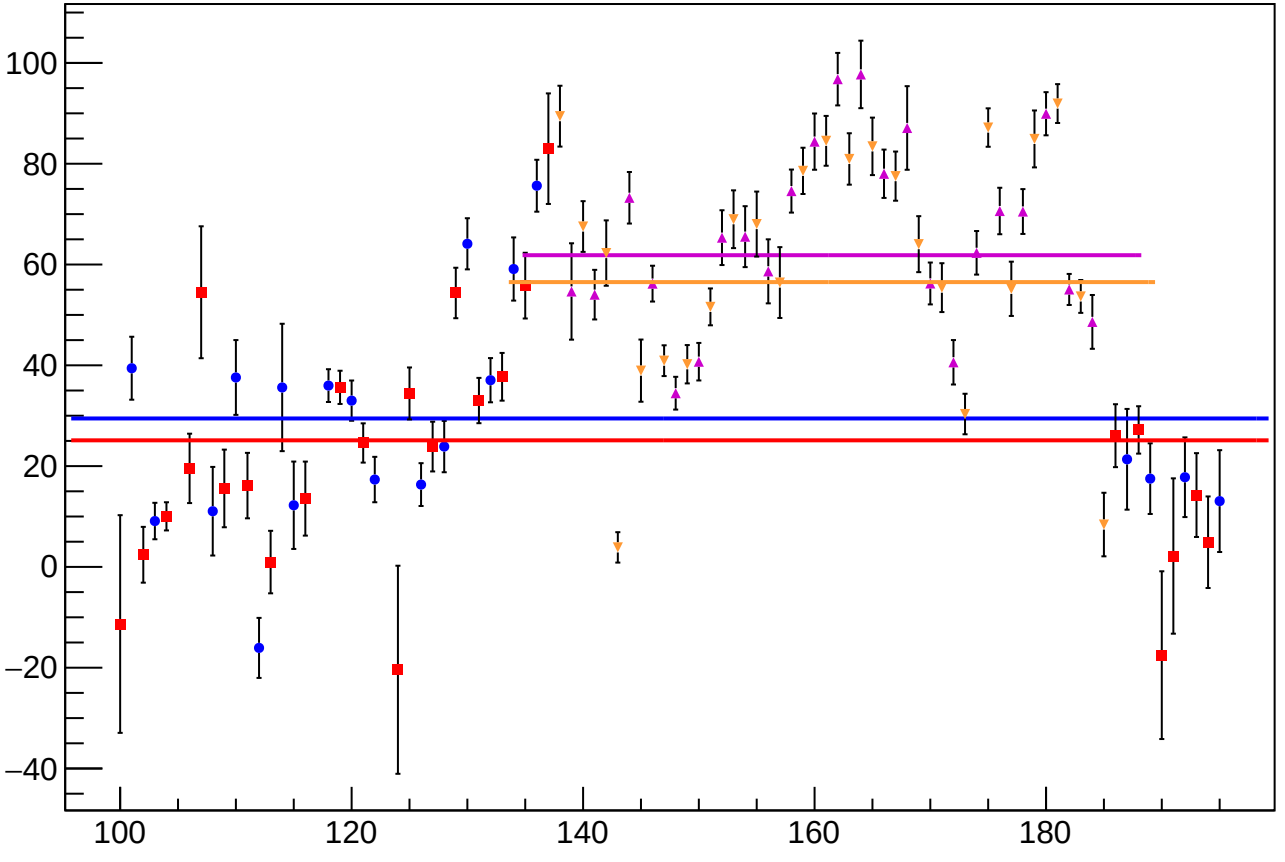
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.041+/-0.726 χ^2/NDF: 24760.3/44

All: 188.358+/-0.497 χ^2/NDF: 49762.8/92

- sign 194.816+/-0.682 χ^2/NDF: 24811.3/47

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: 25.115+/-1.129 χ^2/NDF: 203.9/24

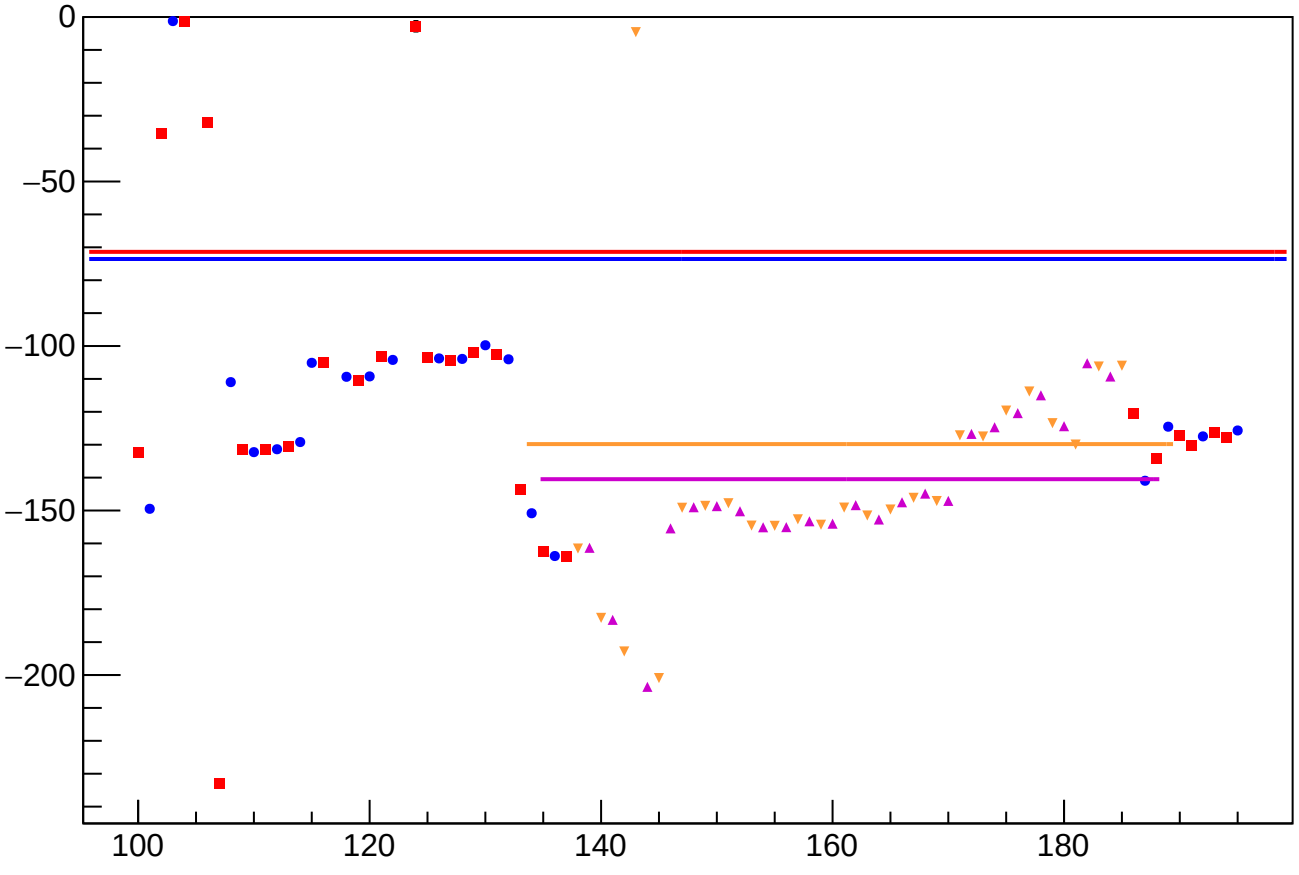
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.674+/-0.725 χ^2/NDF: 1407.1/44

All: 46.541+/-0.515 χ^2/NDF: 2545.6/92

- sign 46.405+/-0.732 χ^2/NDF: 1138.4/47

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



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: -71.378+/-0.056 χ^2/NDF: 1125496.4/24

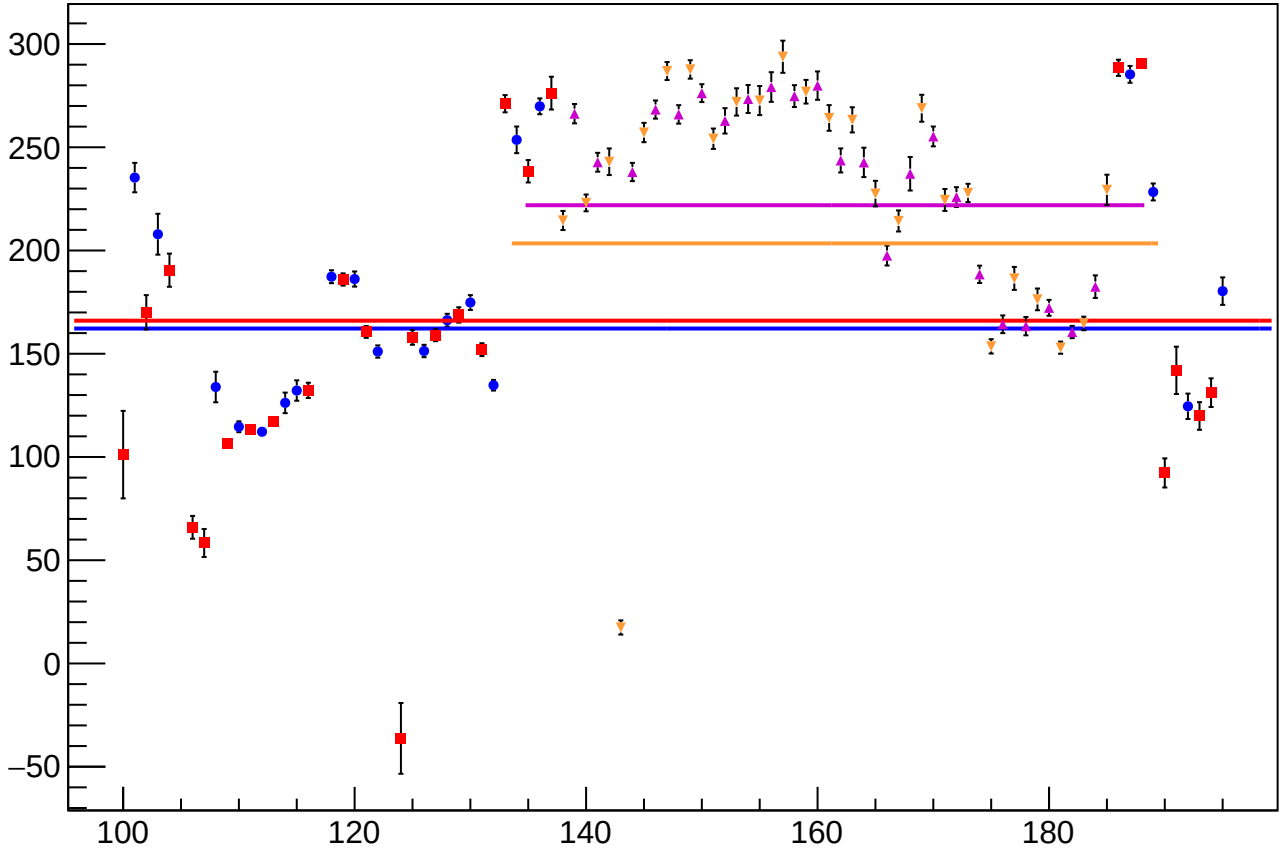
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.843+/-0.034 χ^2/NDF: 2806221.6/44

All: -112.568+/-0.024 χ^2/NDF: 5139912.9/92

- sign -114.303+/-0.034 χ^2/NDF: 2328626.1/47

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: 166.016+/-0.743 χ^2/NDF: 8021.6/24

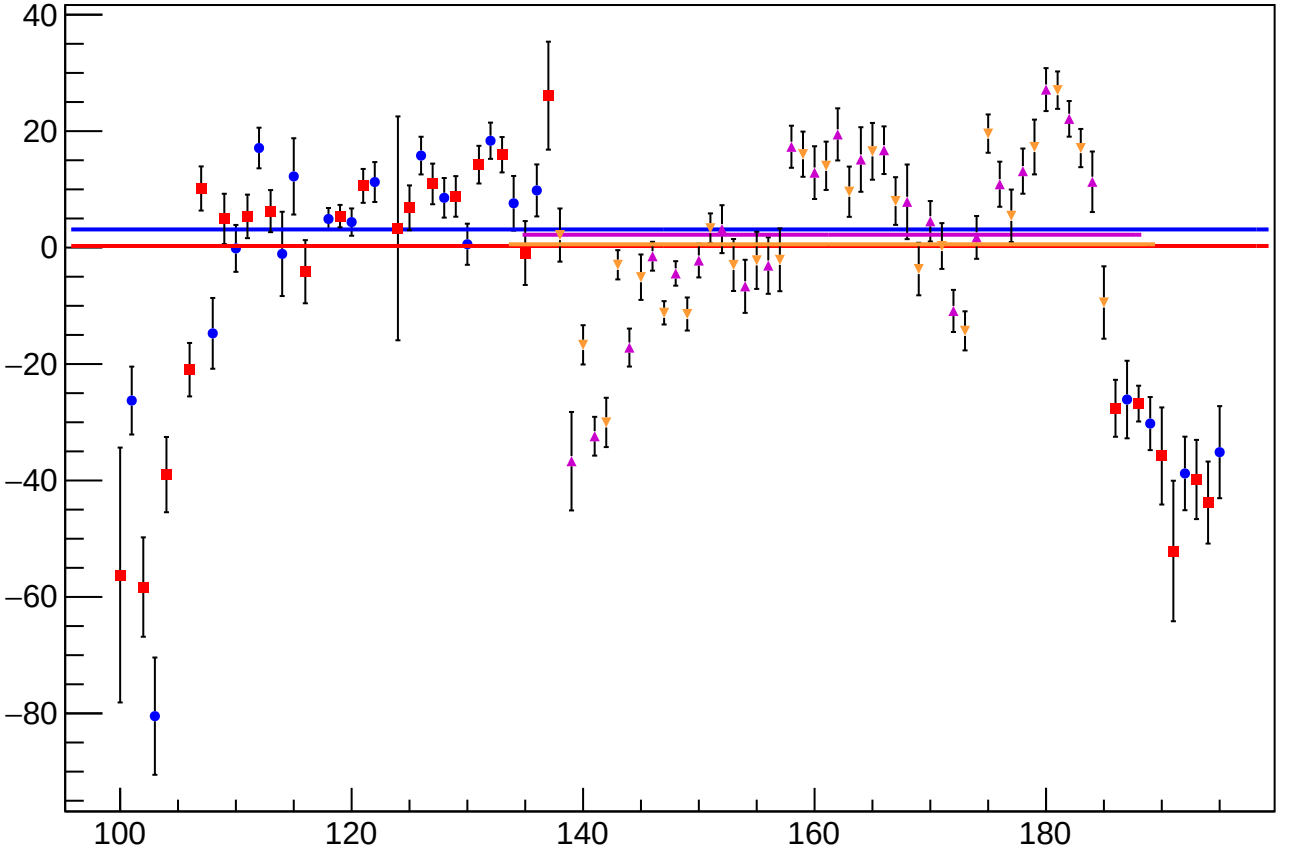
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.720+/-0.621 χ^2/NDF: 10153.4/44

All: 182.895+/-0.430 χ^2/NDF: 22218.1/92

- sign 185.830+/-0.597 χ^2/NDF: 12014.5/47

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: 0.277+/-0.823 χ^2/NDF: 437.7/24

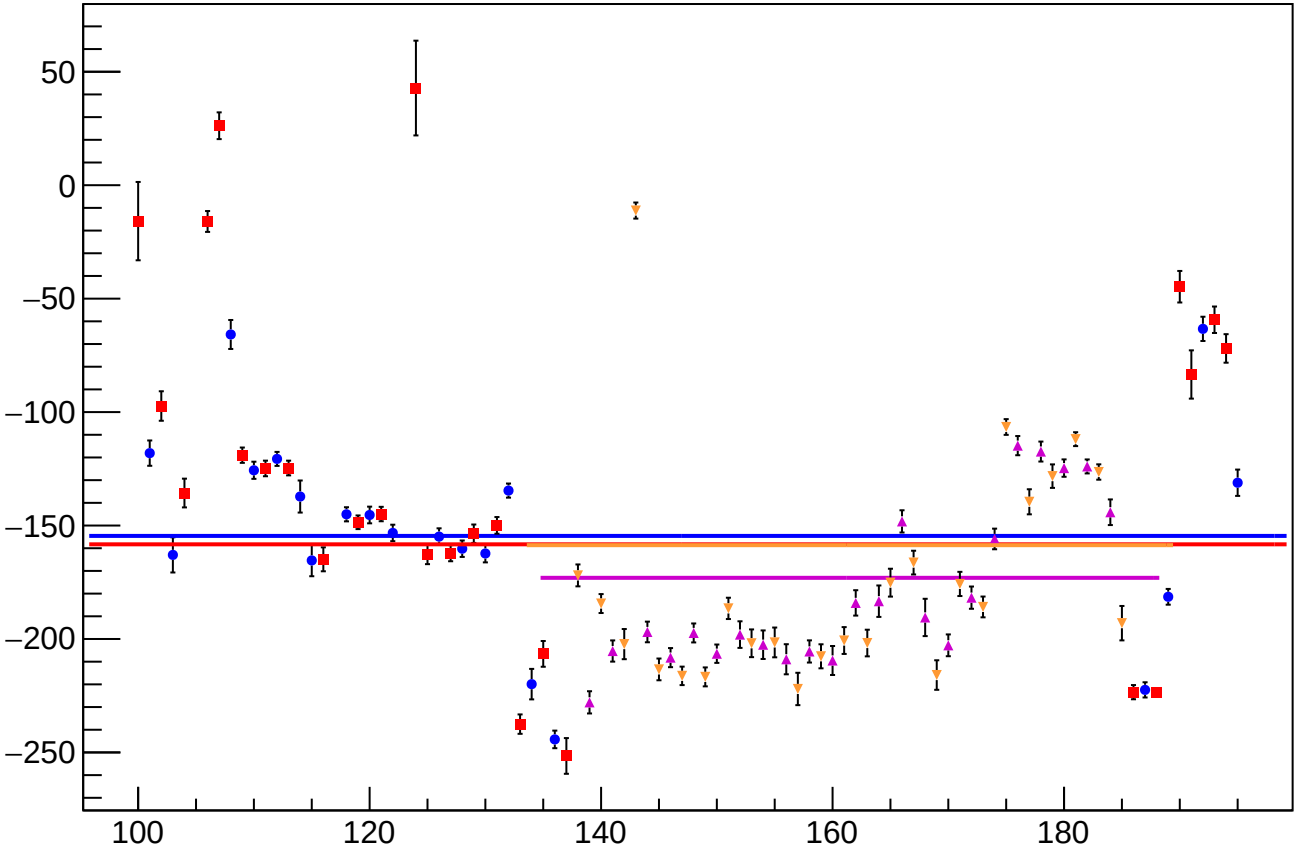
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

\+ sign 1.621+/-0.548 χ^2/NDF: 665.2/44

All: 1.474+/-0.391 χ^2/NDF: 1464.2/92

\- sign 1.321+/-0.559 χ^2/NDF: 798.9/47

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: -158.280+/-0.811 χ^2/NDF: 5734.9/24

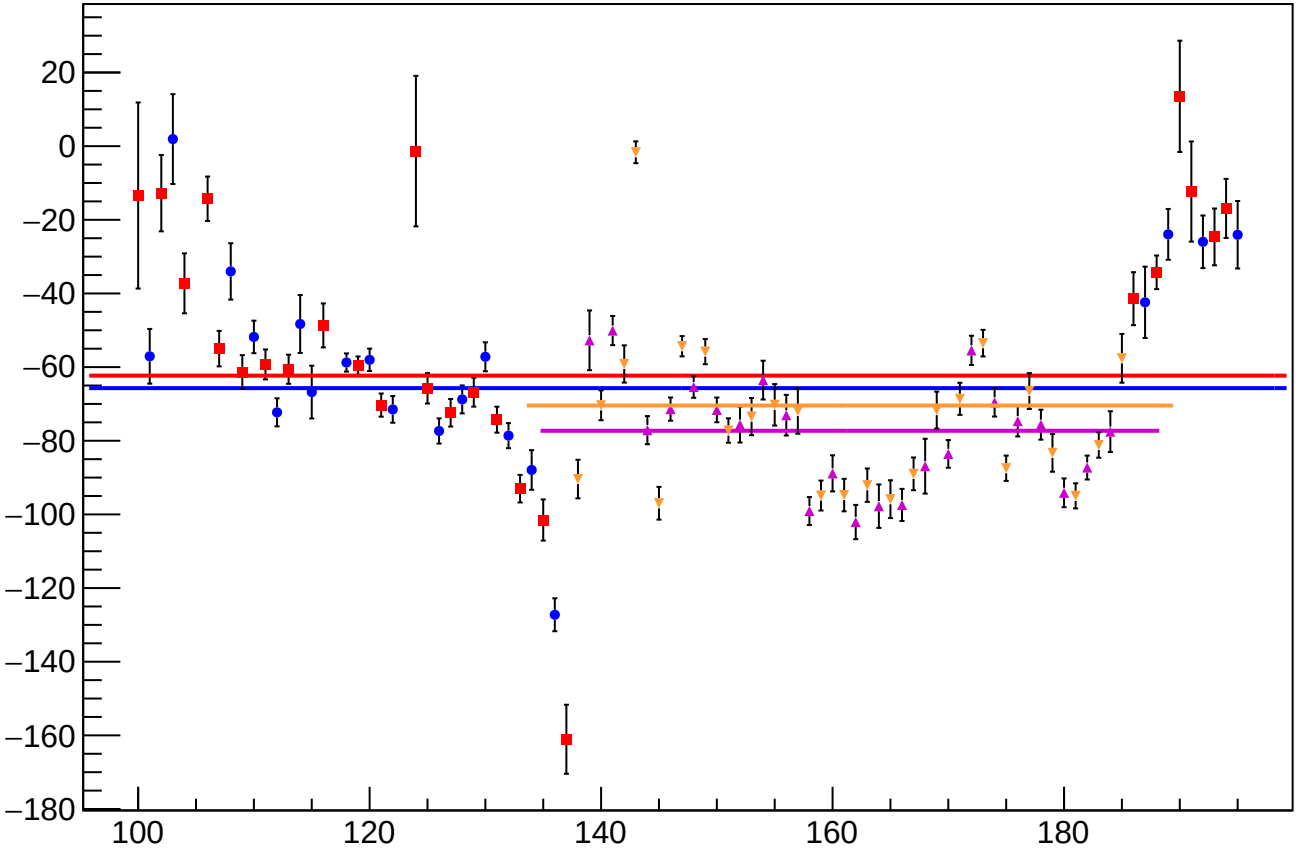
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.542+/-0.660 χ^2/NDF: 5398.4/44

All: -160.541+/-0.455 χ^2/NDF: 12735.4/92

- sign -164.165+/-0.629 χ^2/NDF: 7267.1/47

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: -62.316+/-0.970 χ^2/NDF: 513.4/24

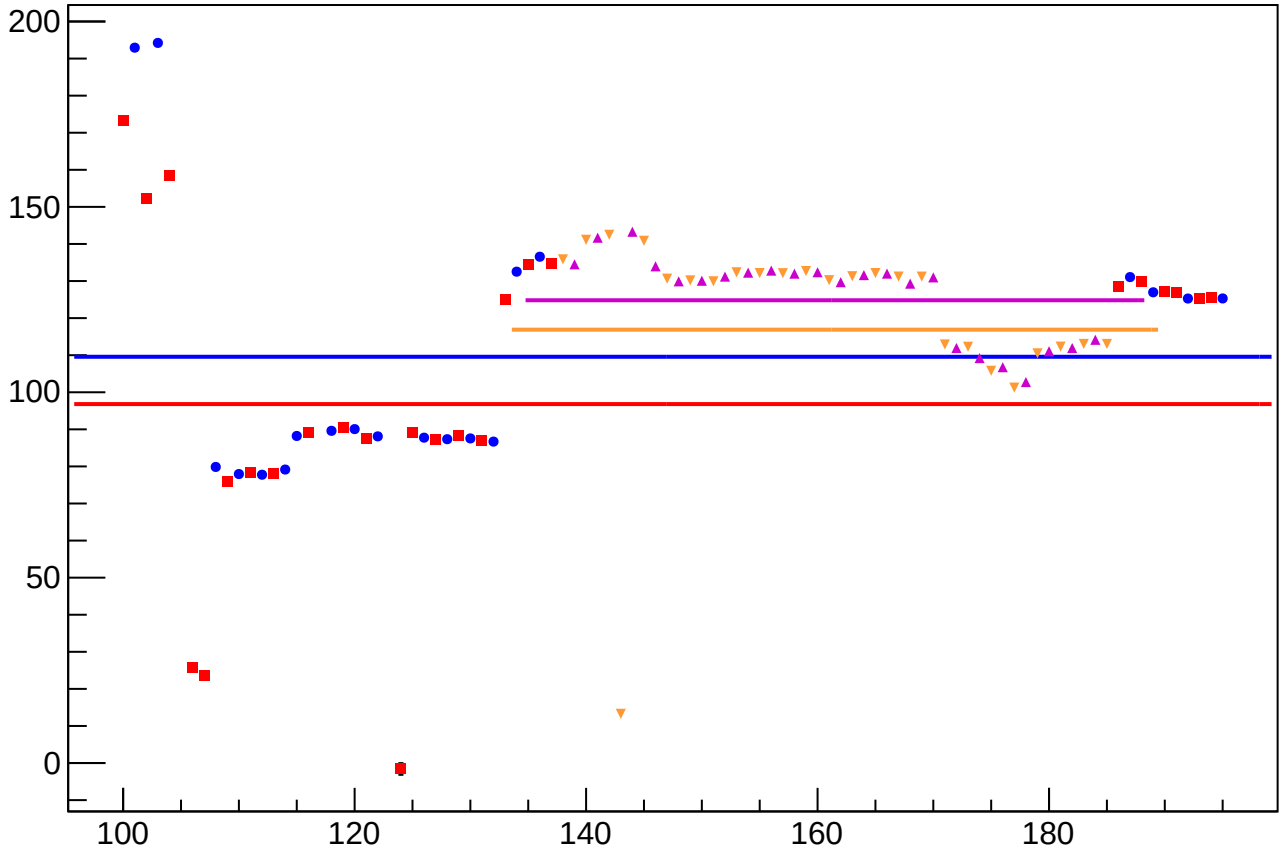
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.527+/-0.635 χ^2/NDF: 1330.5/44

All: -69.569+/-0.453 χ^2/NDF: 2236.3/92

- sign -70.648+/-0.646 χ^2/NDF: 900.3/47

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: 96.814+/-0.058 χ^2/NDF: 458233.2/24

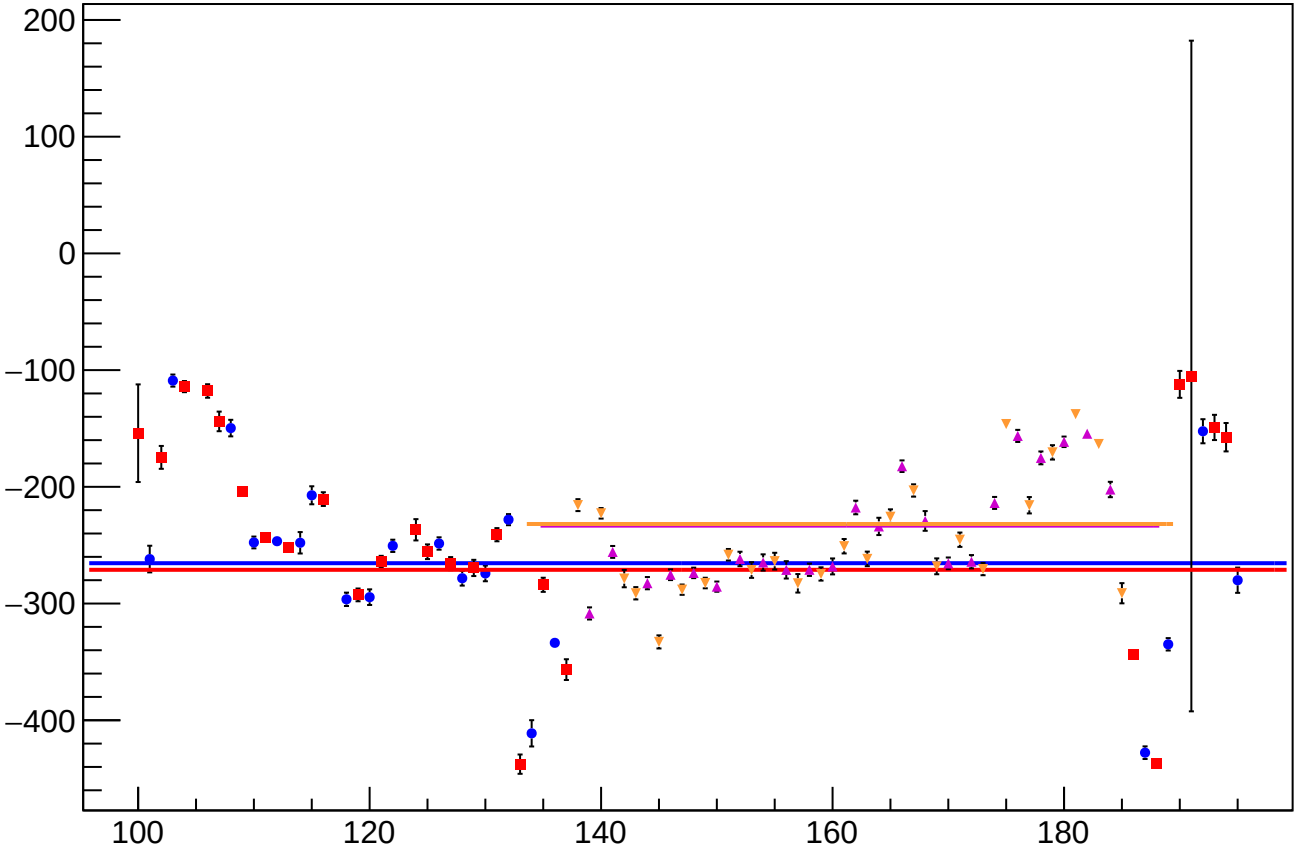
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.955+/-0.033 χ^2/NDF: 888599.2/44

All: 115.427+/-0.023 χ^2/NDF: 1596962.7/92

- sign 115.894+/-0.032 χ^2/NDF: 707947.9/47

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: -271.108+/-1.142 χ^2/NDF: 7182.8/24

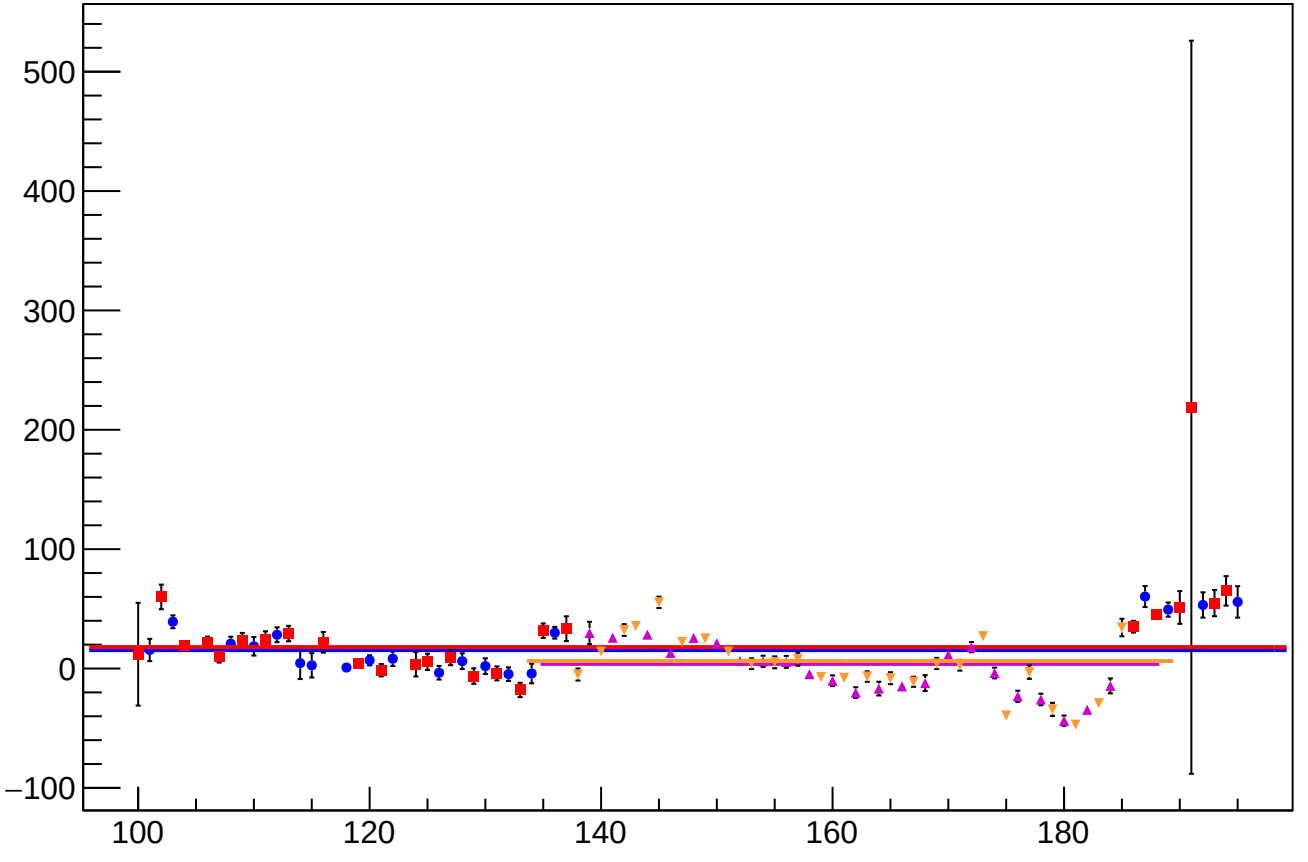
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.276+/-0.837 χ^2/NDF: 6095.3/44

All: -248.600+/-0.576 χ^2/NDF: 15941.0/92

- sign -251.600+/-0.795 χ^2/NDF: 9815.7/47

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: 17.949+/-1.233 χ^2/NDF: 223.6/24

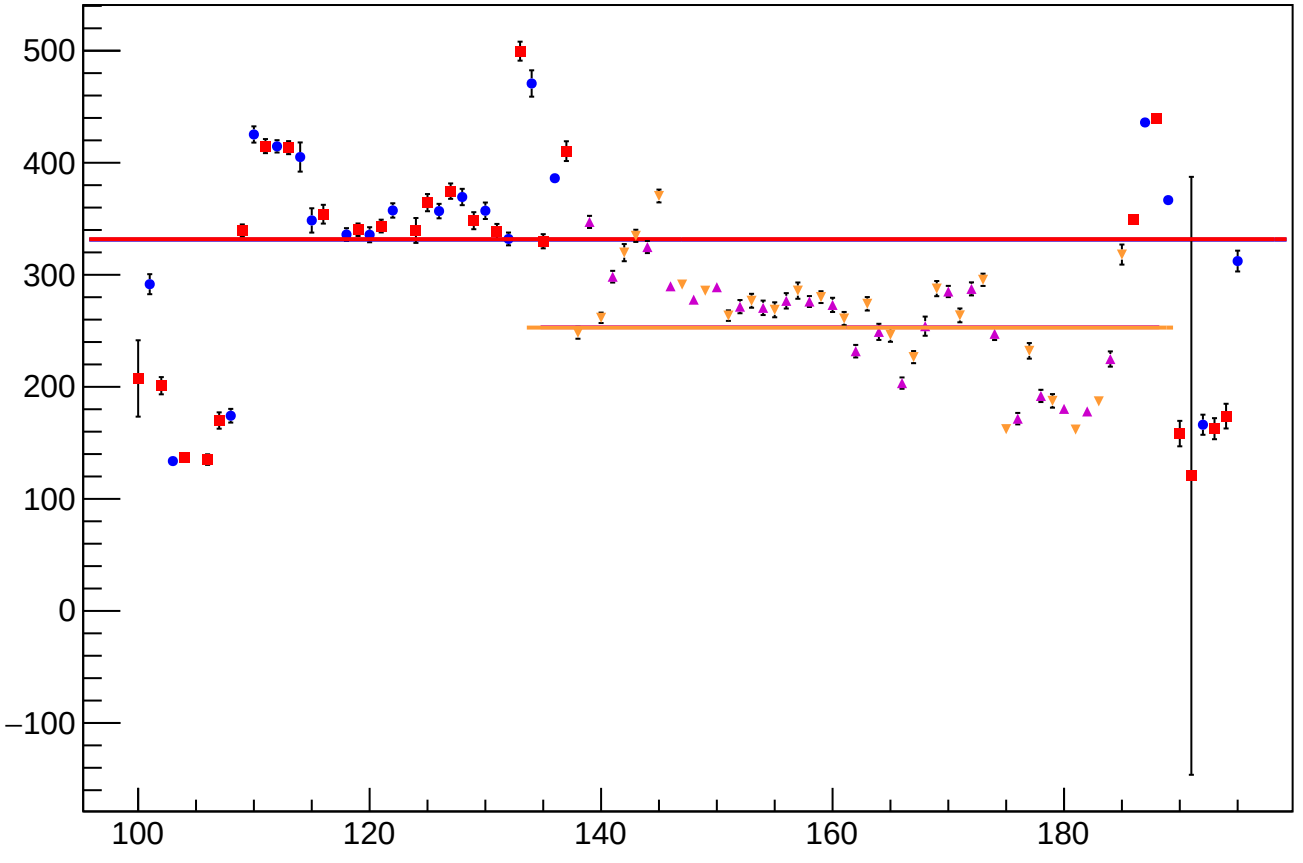
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.519+/-0.686 χ^2/NDF: 1079.3/44

All: 8.359+/-0.484 χ^2/NDF: 2043.4/92

- sign 8.202+/-0.682 χ^2/NDF: 964.0/47

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: 331.805+/-1.143 χ^2/NDF: 9052.8/24

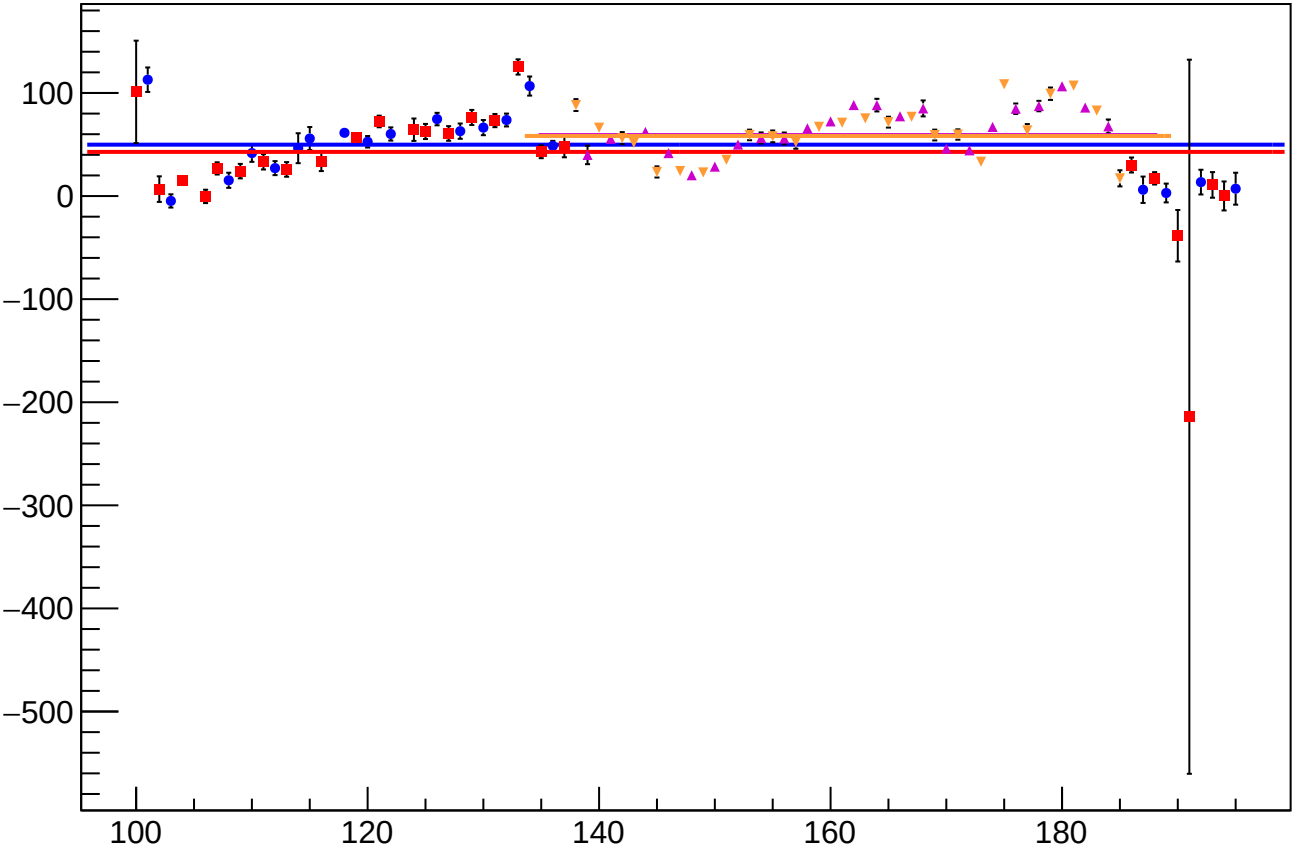
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.298+/-0.847 χ^2/NDF: 9404.8/44

All: 286.829+/-0.578 χ^2/NDF: 23037.0/92

- sign 290.778+/-0.790 χ^2/NDF: 13578.5/47

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: 42.838+/-1.485 χ^2/NDF: 379.7/24

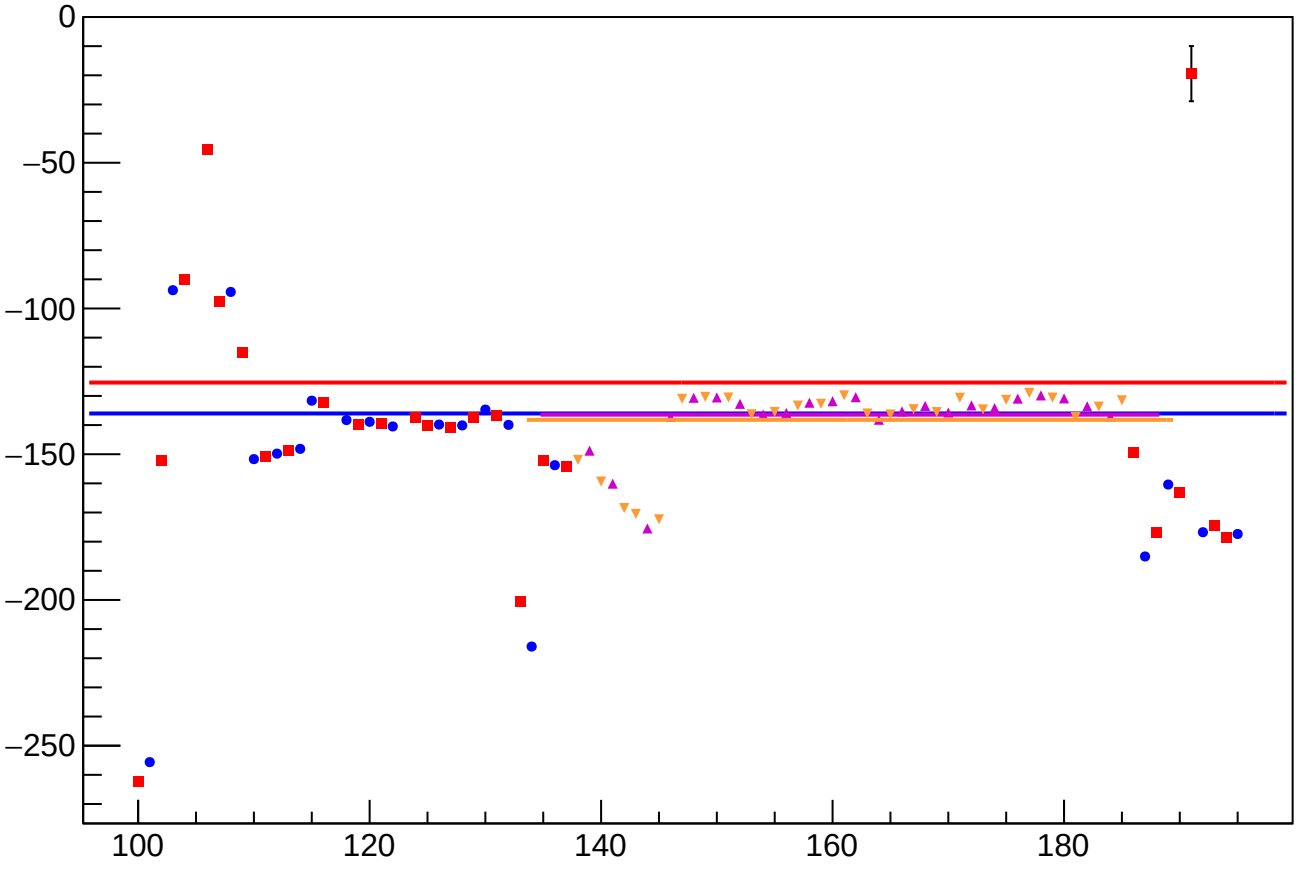
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.295+/-0.796 χ^2/NDF: 1147.4/44

All: 55.392+/-0.562 χ^2/NDF: 2248.4/92

- sign 54.494+/-0.793 χ^2/NDF: 1098.4/47

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: -125.412+/-0.078 χ^2/NDF: 281900.4/24

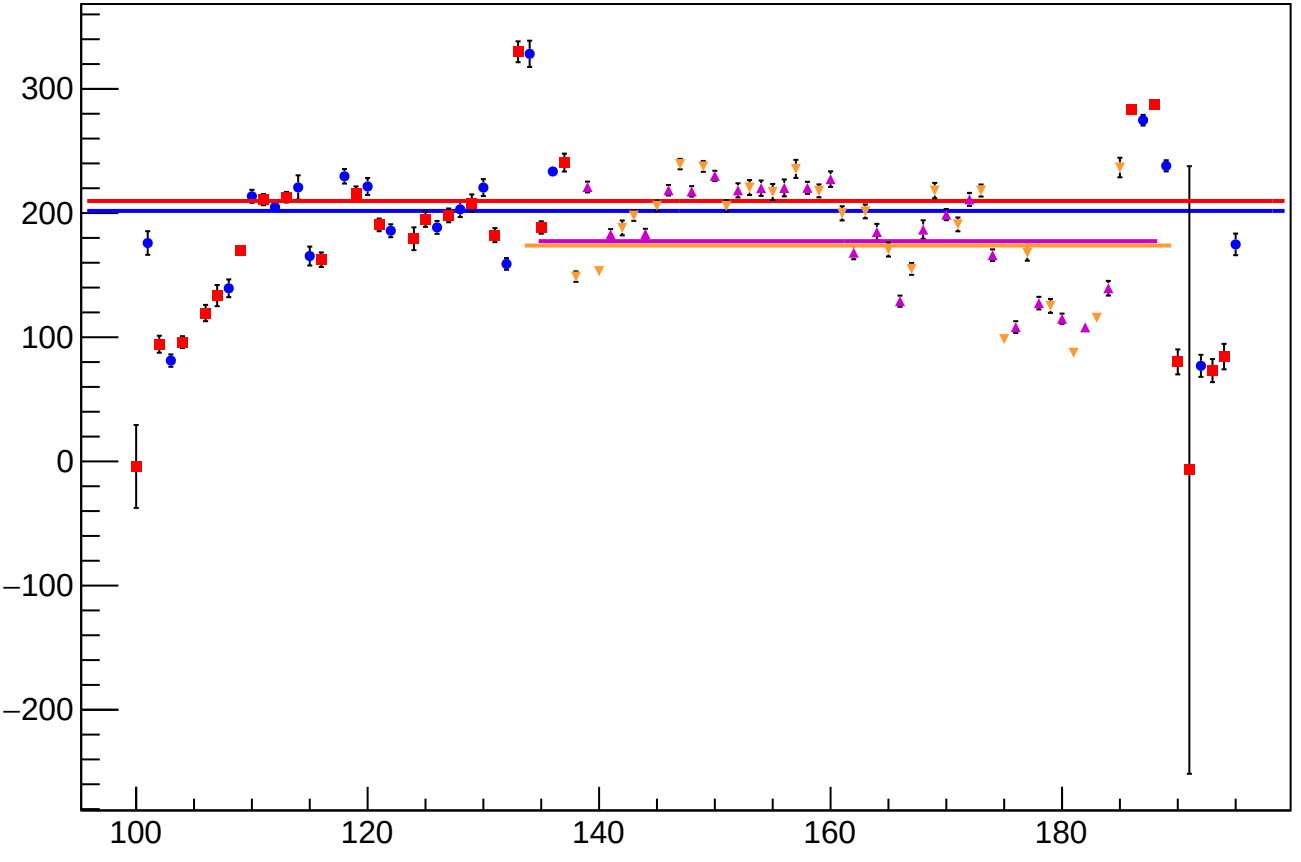
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.776+/-0.038 χ^2/NDF: 287706.0/44

All: -135.807+/-0.027 χ^2/NDF: 639998.5/92

- sign -133.881+/-0.038 χ^2/NDF: 346978.4/47

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: 209.755+/-1.075 χ^2/NDF: 3703.9/24

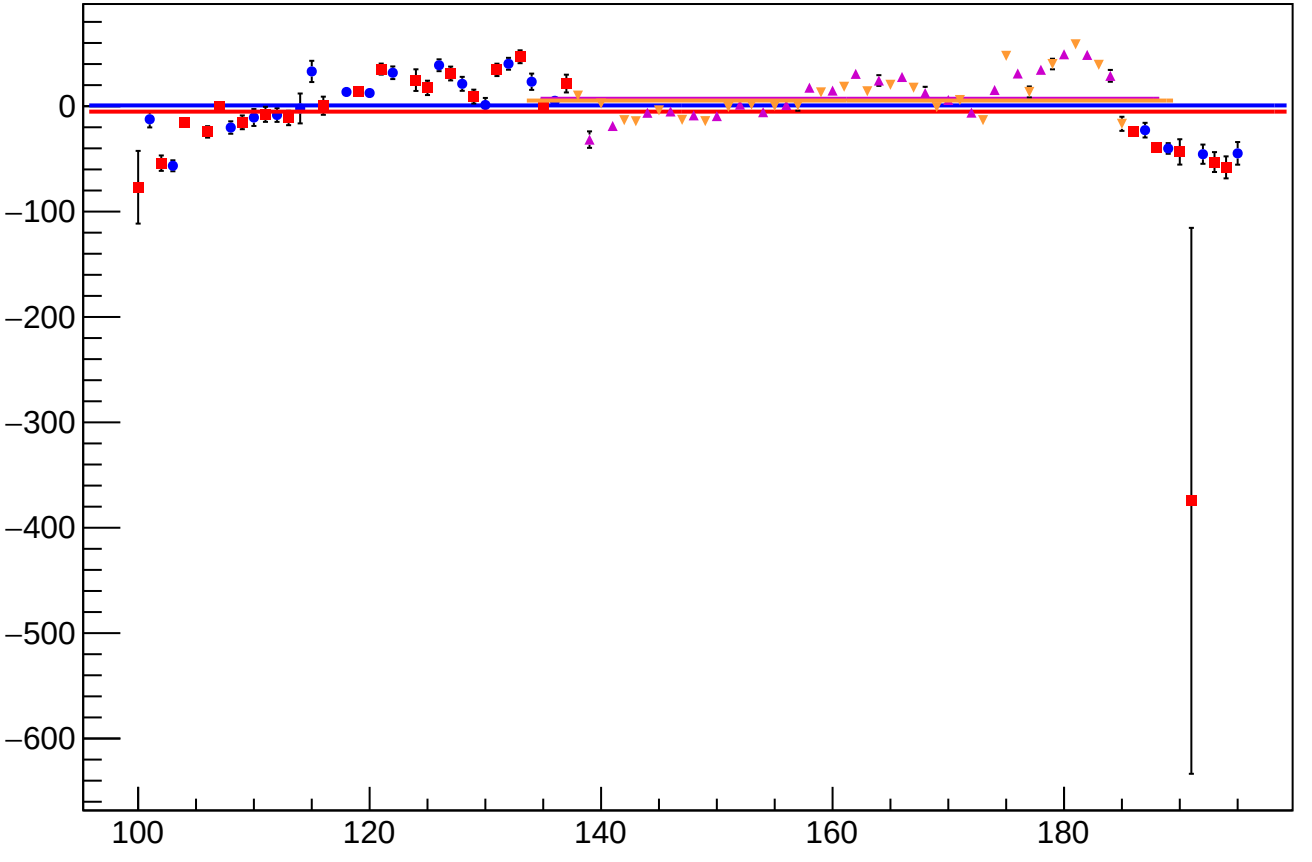
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.186+/-0.763 χ^2/NDF: 4565.2/44

All: 188.441+/-0.528 χ^2/NDF: 10779.1/92

- sign 192.336+/-0.731 χ^2/NDF: 6154.3/47

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: -5.151+/-1.180 χ^2/NDF: 539.0/24

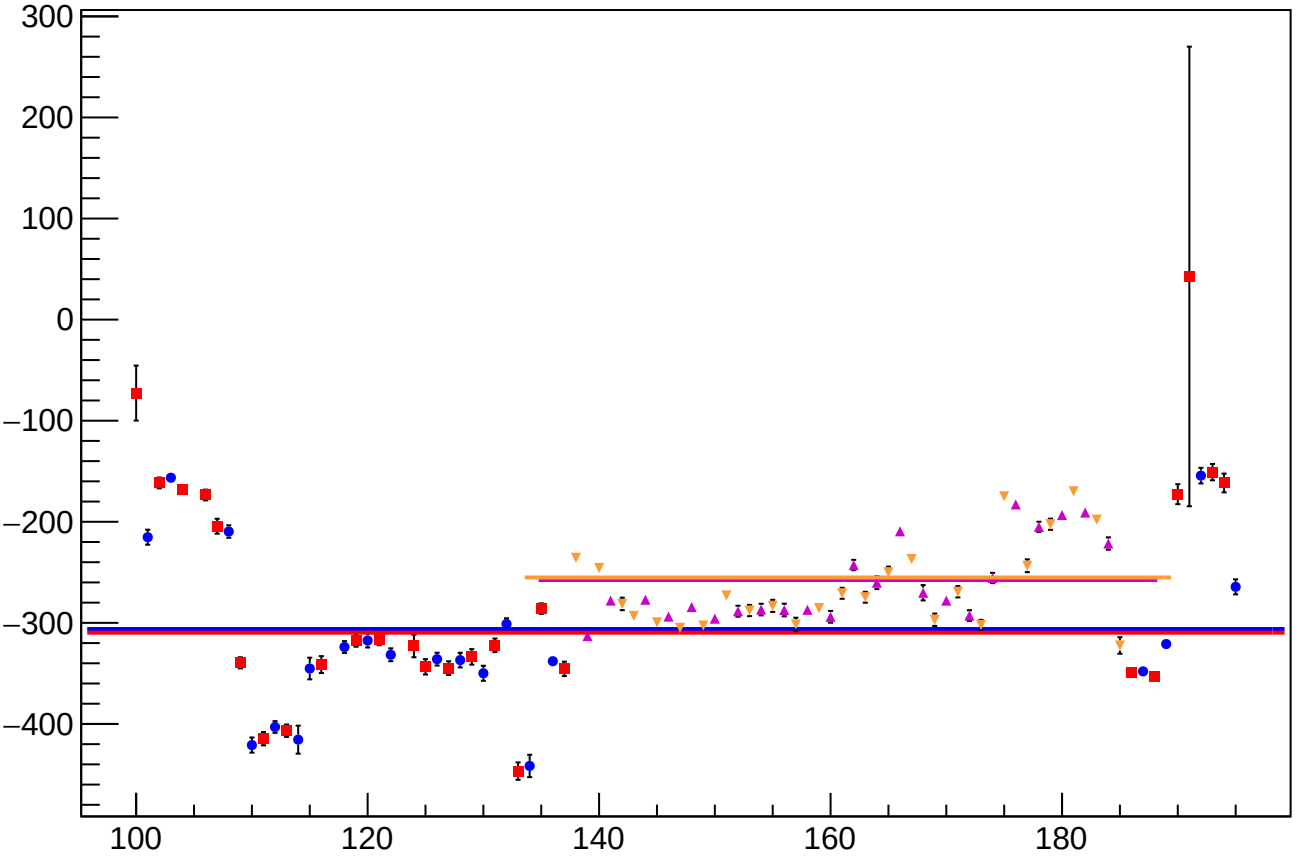
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.343+/-0.627 χ^2/NDF: 1251.6/44

All: 3.974+/-0.444 χ^2/NDF: 2577.8/92

- sign 3.604+/-0.628 χ^2/NDF: 1325.5/47

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: -309.700+/-1.042 χ^2/NDF: 5600.8/24

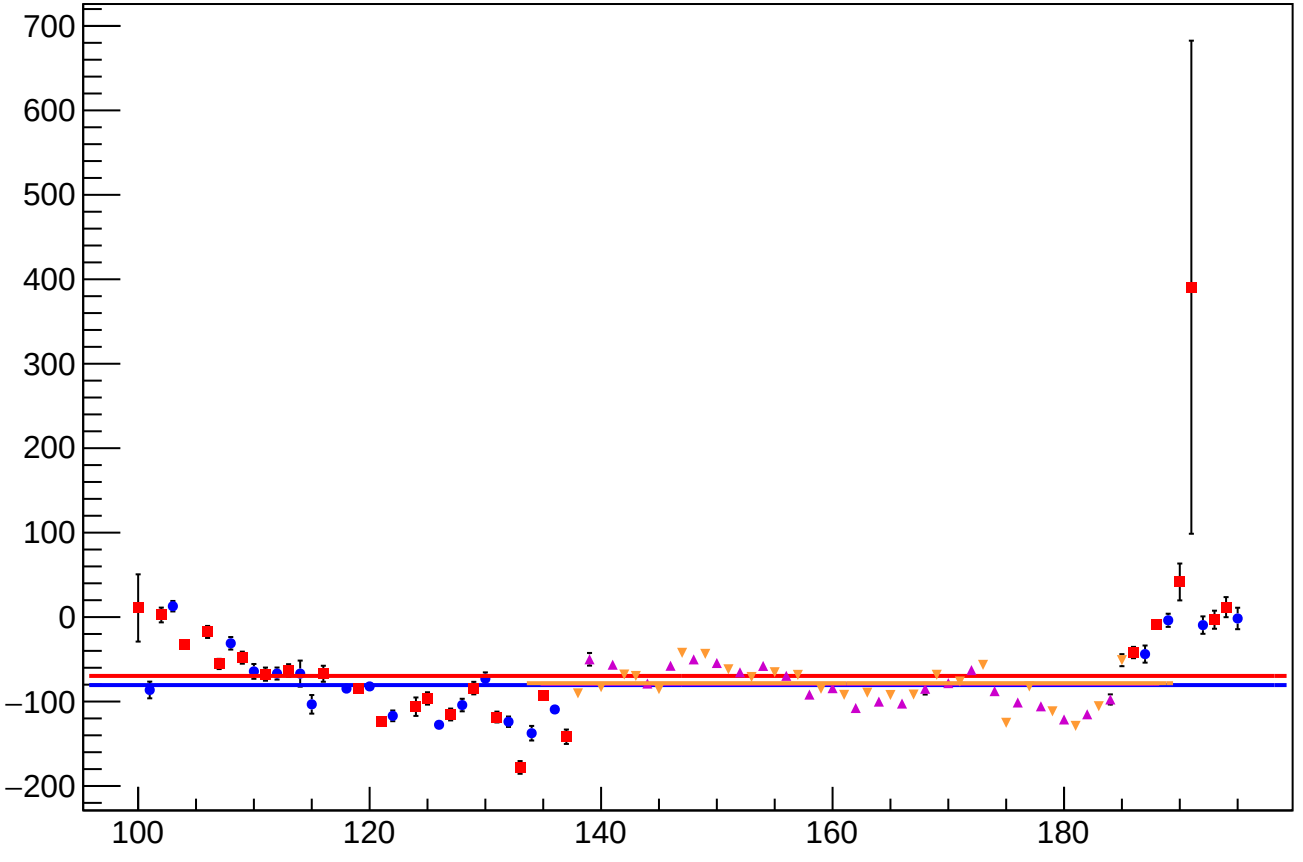
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -273.470+/-0.765 χ^2/NDF: 6731.4/44

All: -278.109+/-0.523 χ^2/NDF: 15529.1/92

- sign -282.171+/-0.716 χ^2/NDF: 8728.7/47

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: -69.669+/-1.429 χ^2/NDF: 1019.7/24

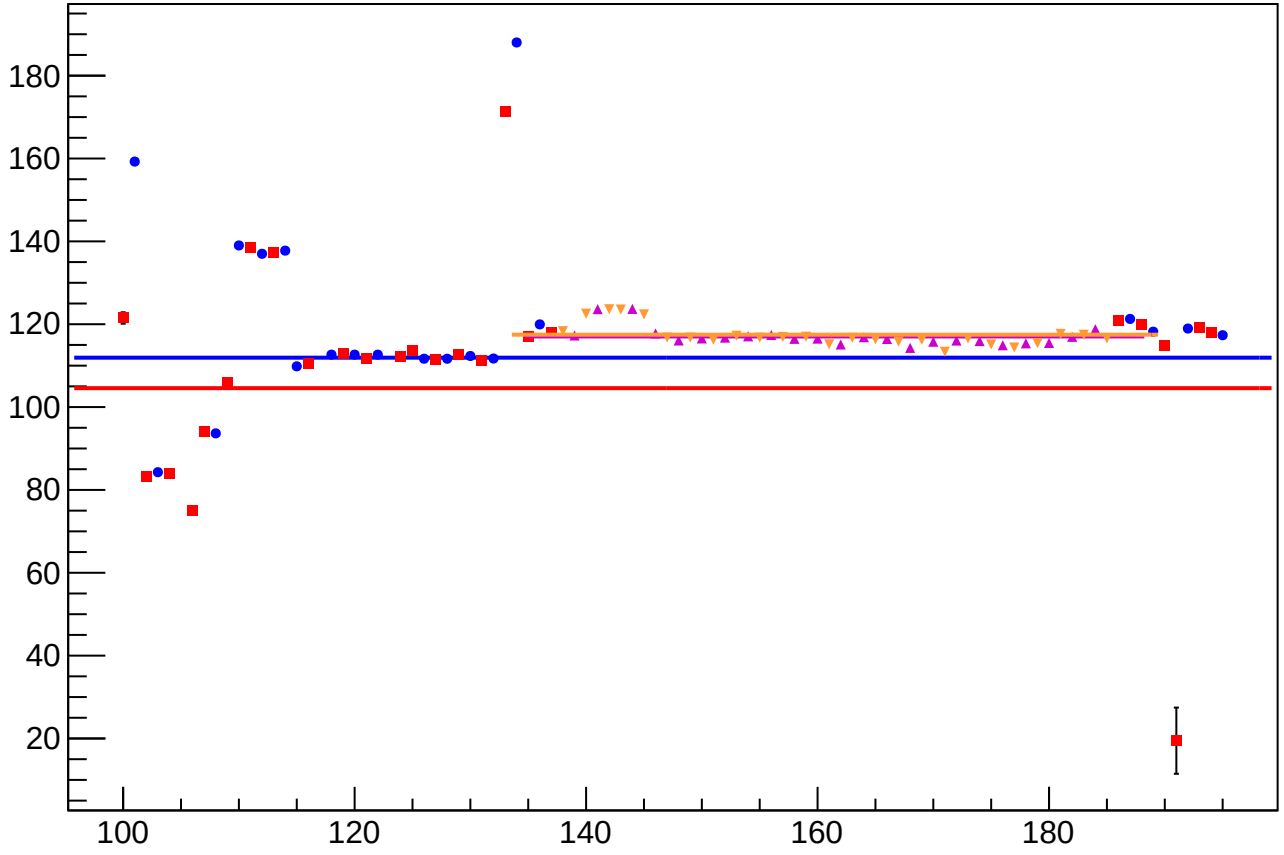
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -78.769+/-0.726 χ^2/NDF: 1598.7/44

All: -77.699+/-0.515 χ^2/NDF: 3357.4/92

- sign -76.616+/-0.730 χ^2/NDF: 1754.3/47

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: 104.567+/-0.072 χ^2/NDF: 72255.6/24

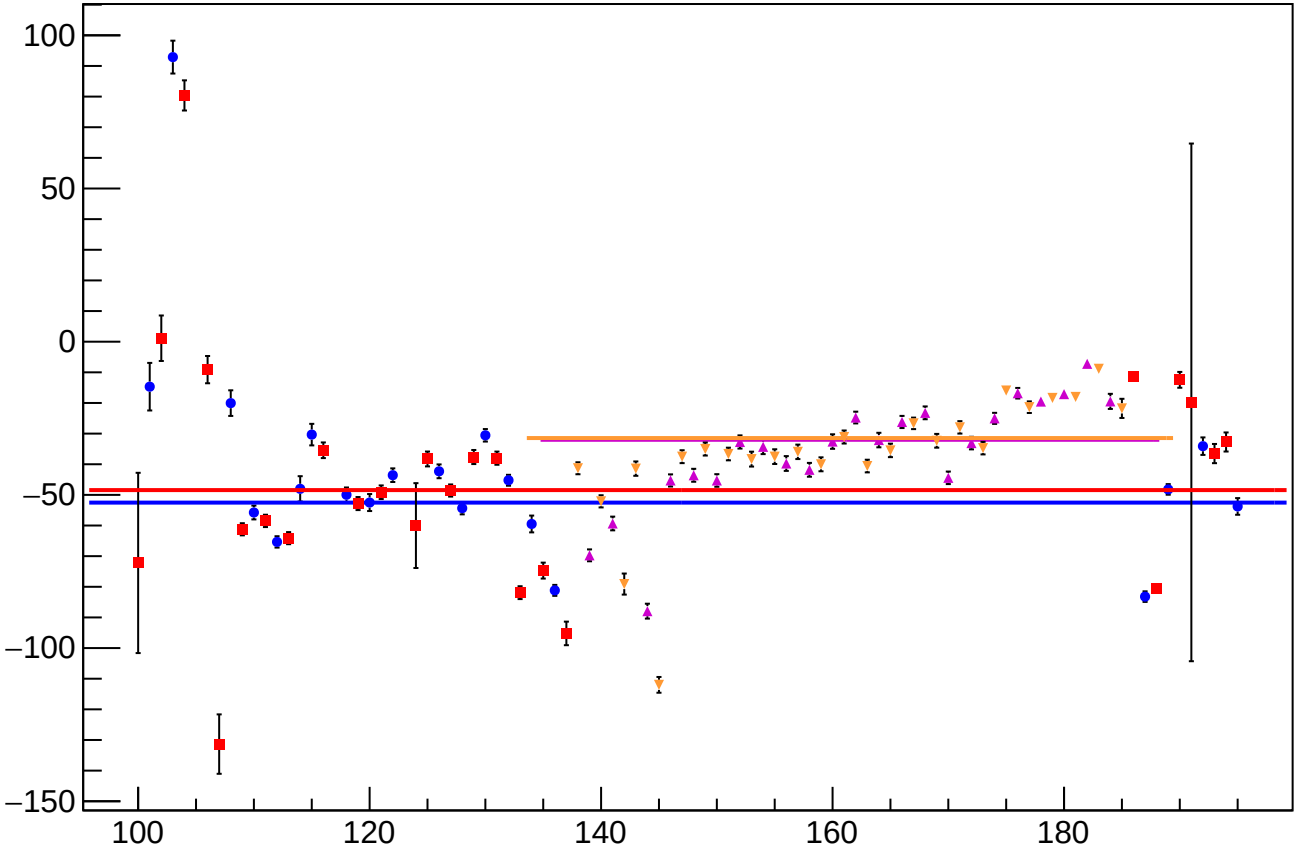
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.426+/-0.034 χ^2/NDF: 93714.3/44

All: 115.352+/-0.024 χ^2/NDF: 194374.2/92

- sign 114.287+/-0.034 χ^2/NDF: 98697.7/47

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: -48.438+/-0.448 χ^2/NDF: 4118.9/24

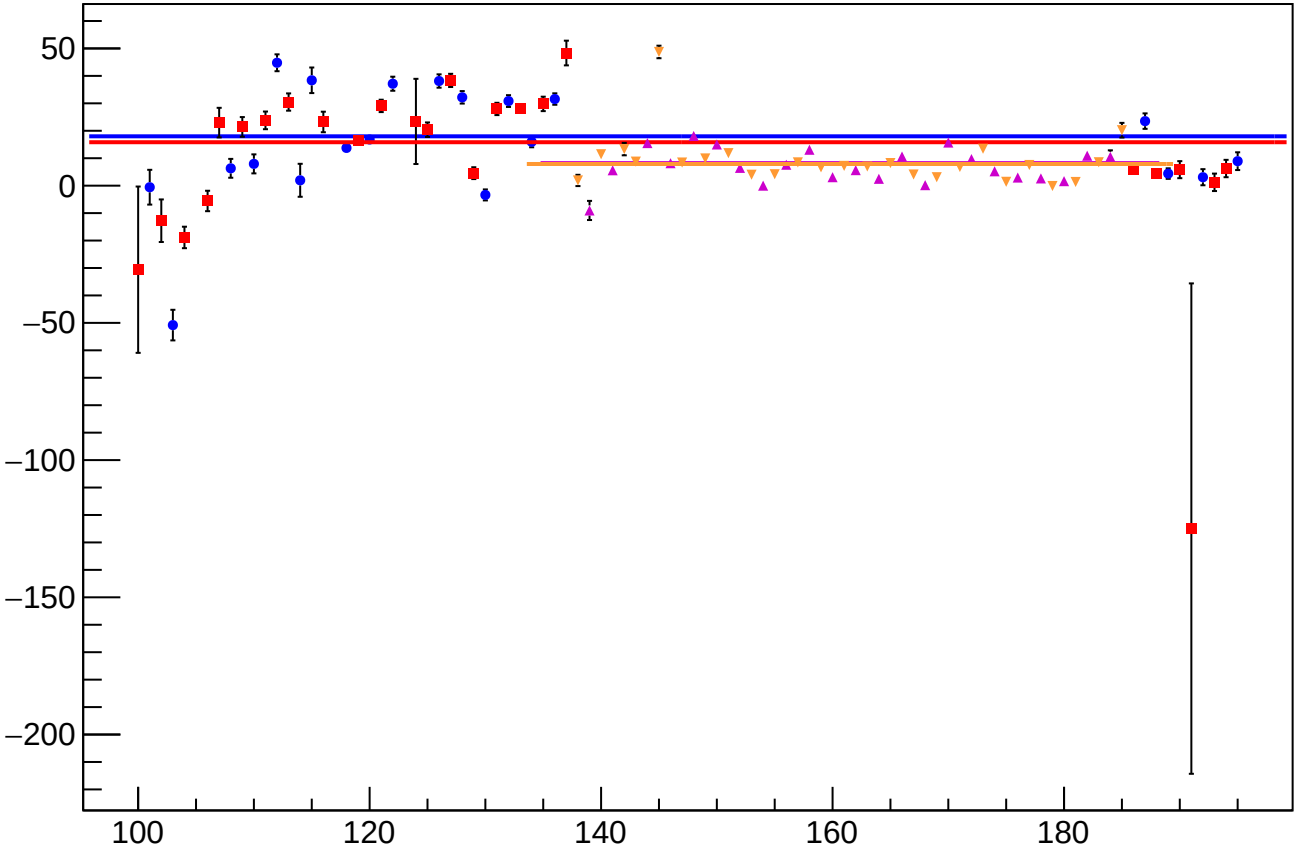
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.145+/-0.318 χ^2/NDF: 4719.1/44

All: -39.324+/-0.219 χ^2/NDF: 11485.0/92

- sign -39.485+/-0.302 χ^2/NDF: 6765.3/47

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: 15.830+/-0.500 χ^2/NDF: 660.3/24

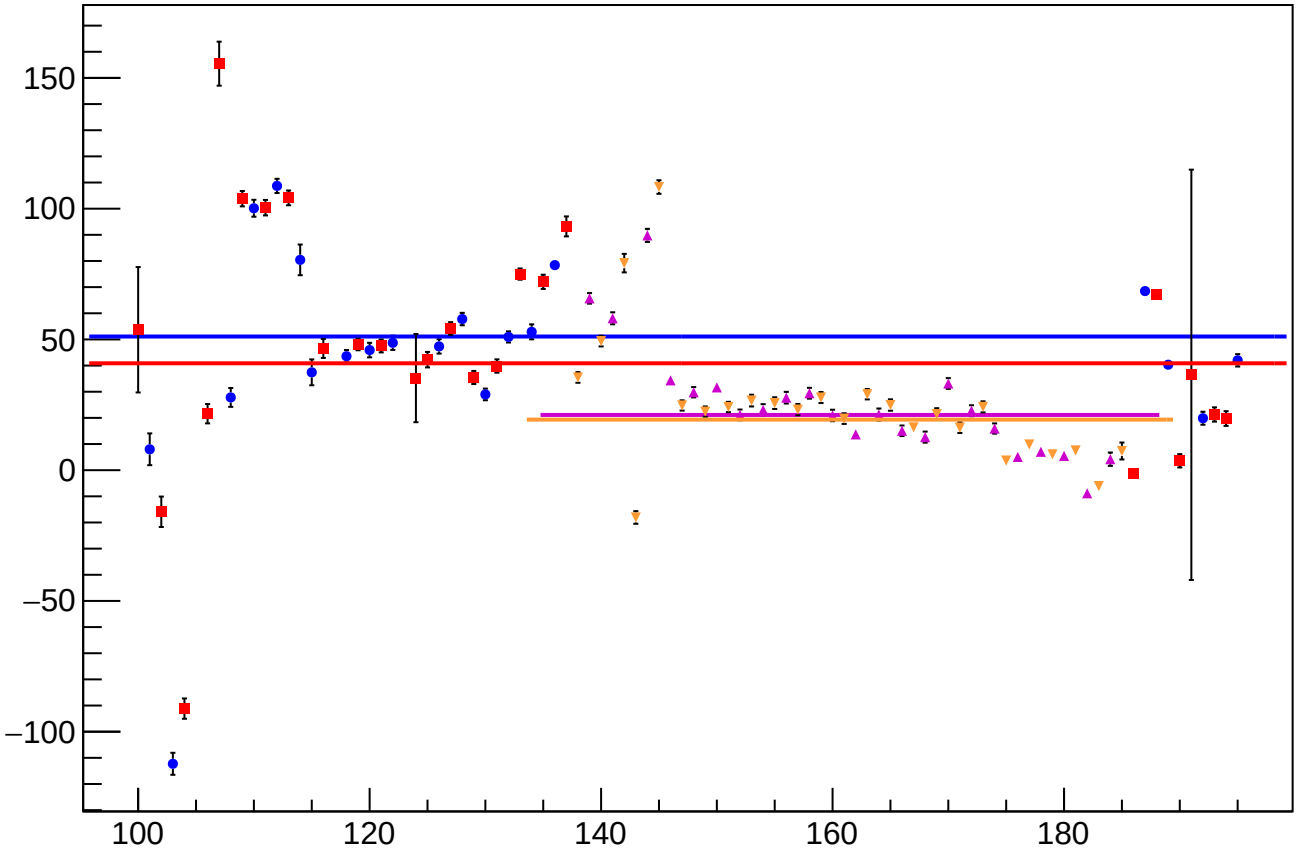
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.241+/-0.266 χ^2/NDF: 1481.9/44

All: 10.316+/-0.188 χ^2/NDF: 2646.9/92

\- sign 10.392+/-0.267 χ^2/NDF: 1164.8/47

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: 40.873+/-0.431 χ^2/NDF: 7355.3/24

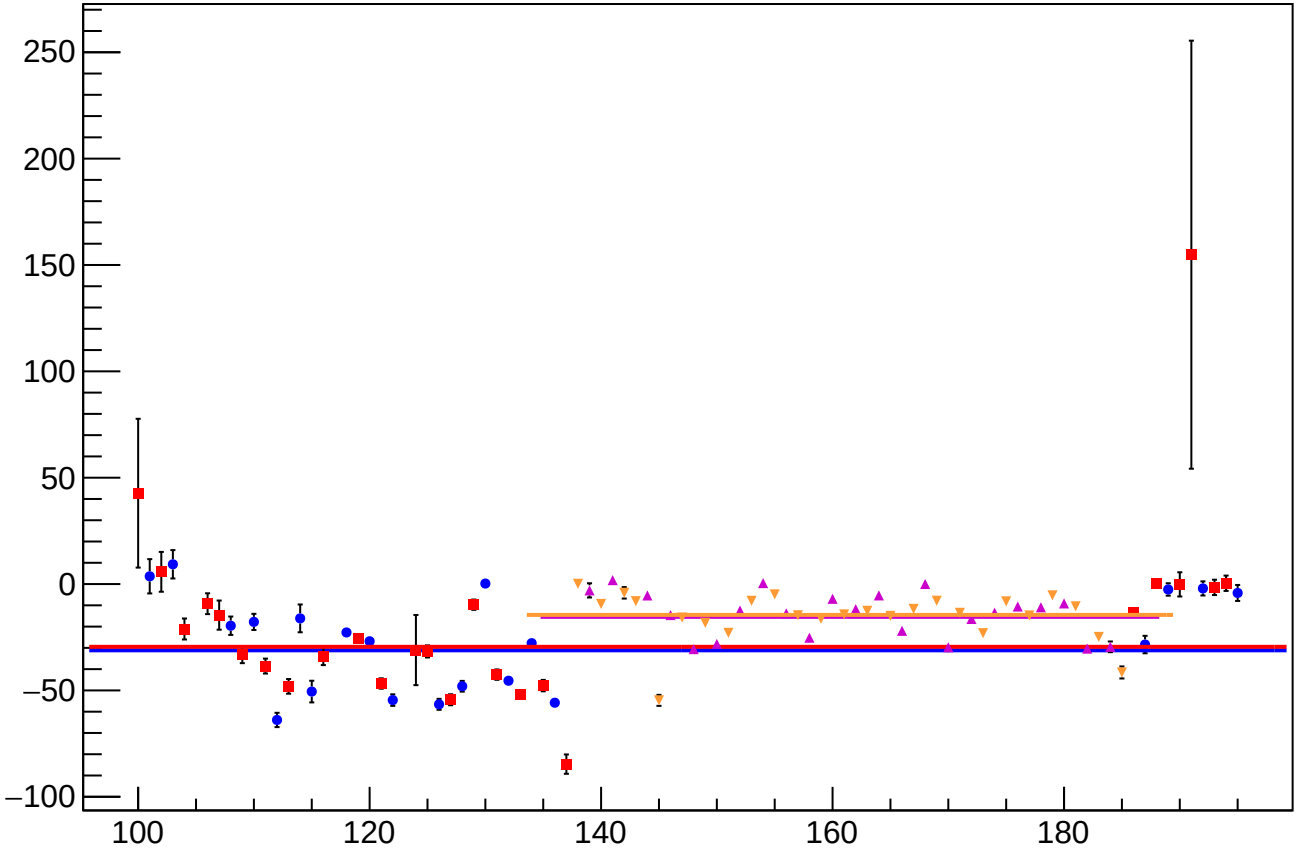
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 30.298+/-0.320 χ^2/NDF: 7948.8/44

All: 30.337+/-0.217 χ^2/NDF: 18923.5/92

\- sign 30.371+/-0.295 χ^2/NDF: 10974.7/47

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: -29.505+/-0.613 χ^2/NDF: 1101.4/24

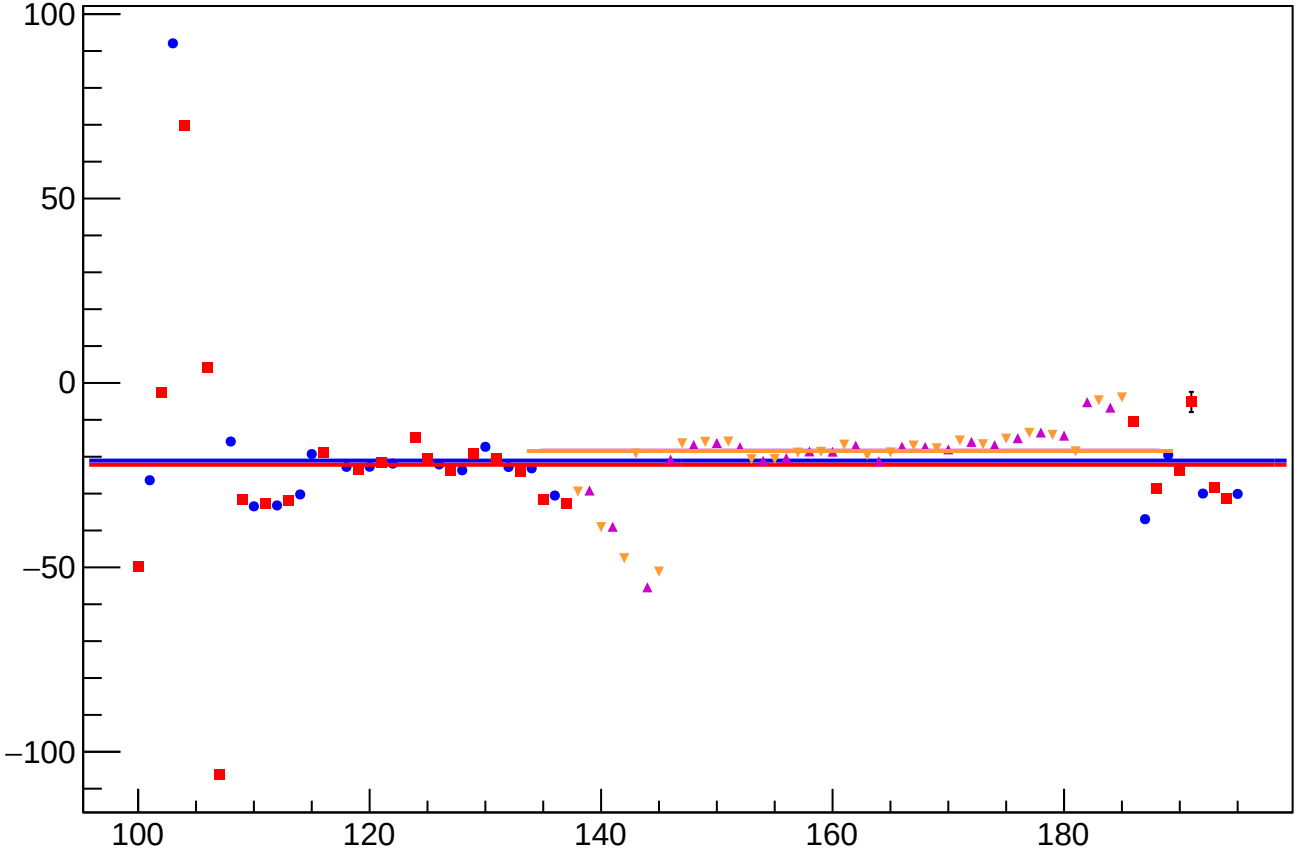
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.159+/-0.304 χ^2/NDF: 2185.3/44

All: -18.554+/-0.216 χ^2/NDF: 4484.2/92

- sign -18.960+/-0.307 χ^2/NDF: 2295.5/47

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: -22.179+/-0.035 χ^2/NDF: 370974.1/24

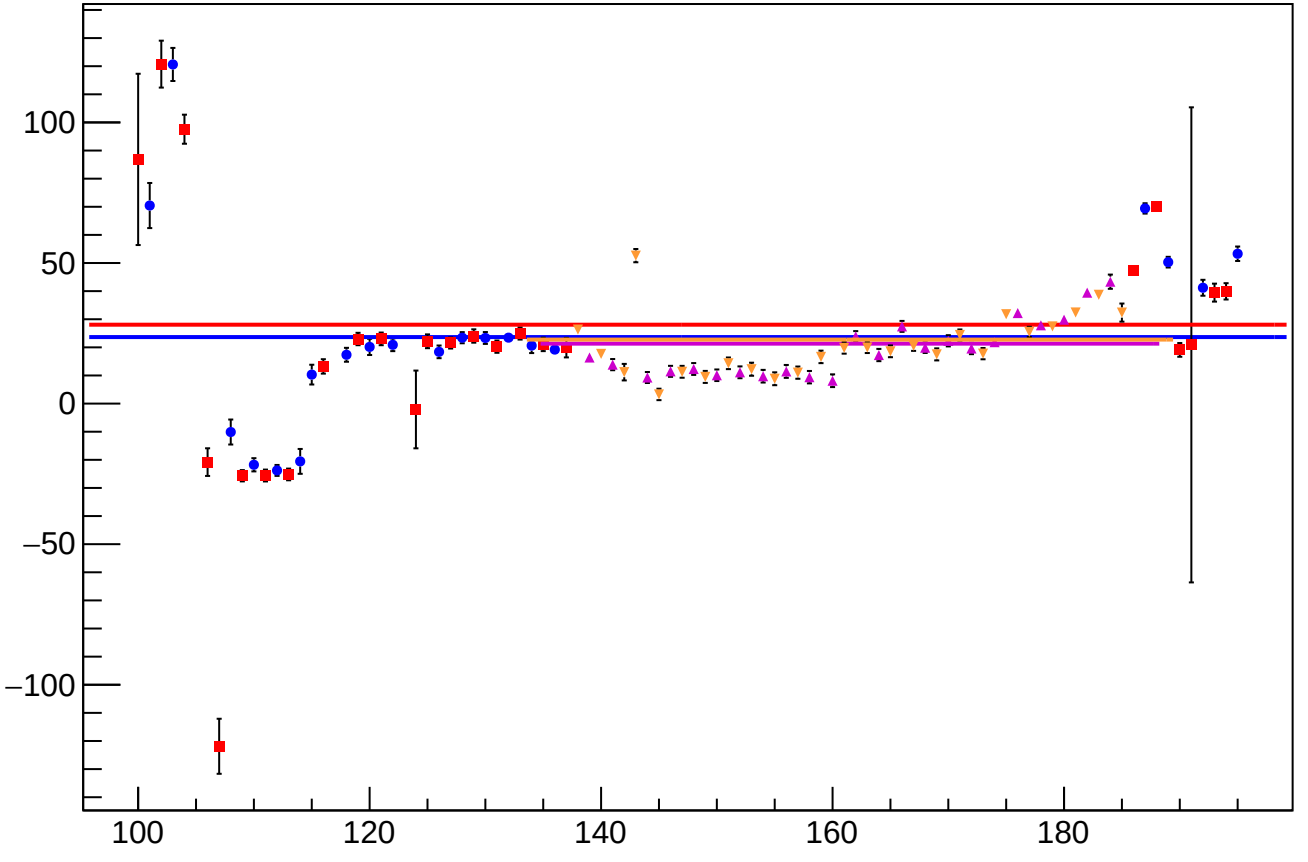
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.861+/-0.014 χ^2/NDF: 750146.1/44

All: -18.940+/-0.010 χ^2/NDF: 1381072.3/92

- sign -19.021+/-0.014 χ^2/NDF: 630863.3/47

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: 28.061+/-0.471 χ^2/NDF: 4552.8/24

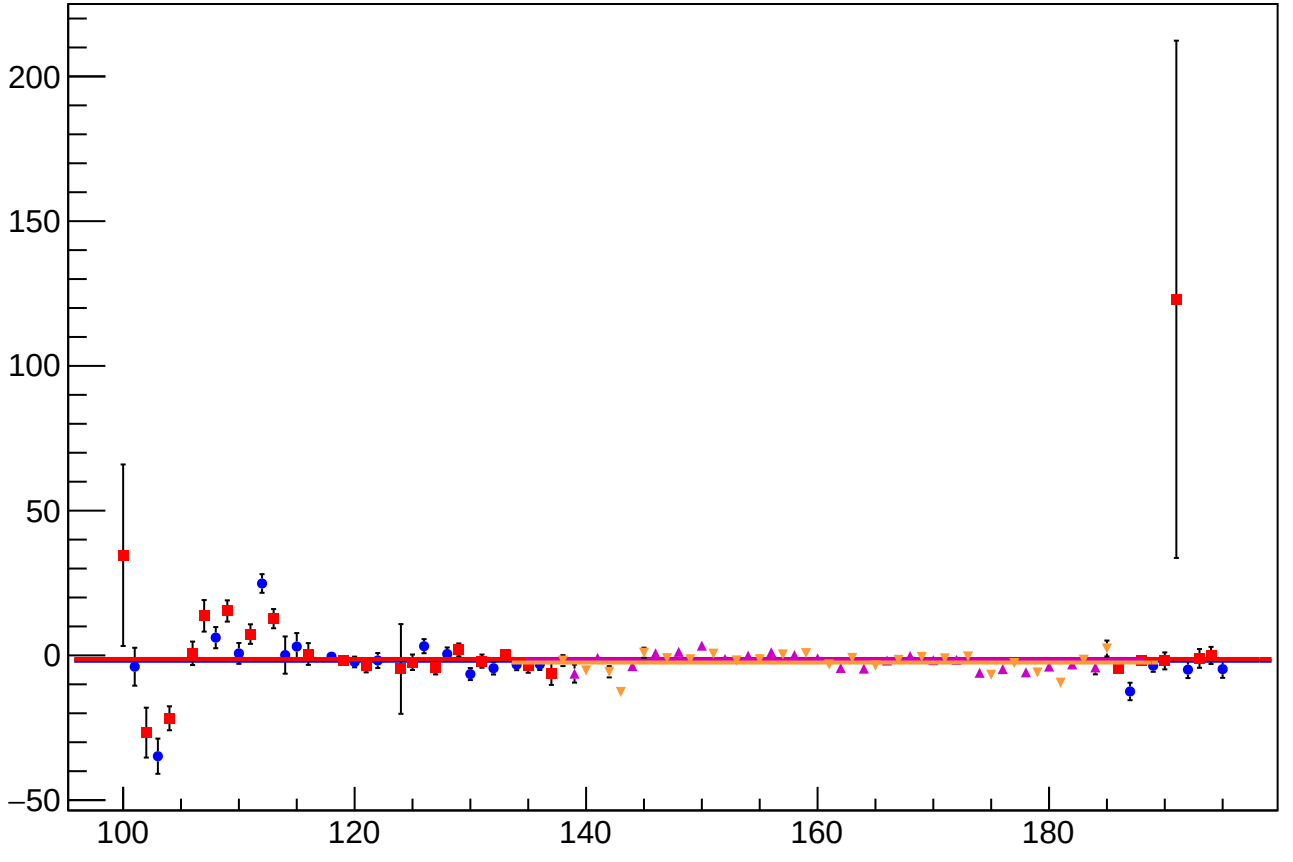
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.069+/-0.311 χ^2/NDF: 3179.8/44

All: 23.593+/-0.217 χ^2/NDF: 8488.6/92

- sign 24.086+/-0.302 χ^2/NDF: 5303.3/47

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: -1.236+/-0.524 χ^2/NDF: 101.5/24

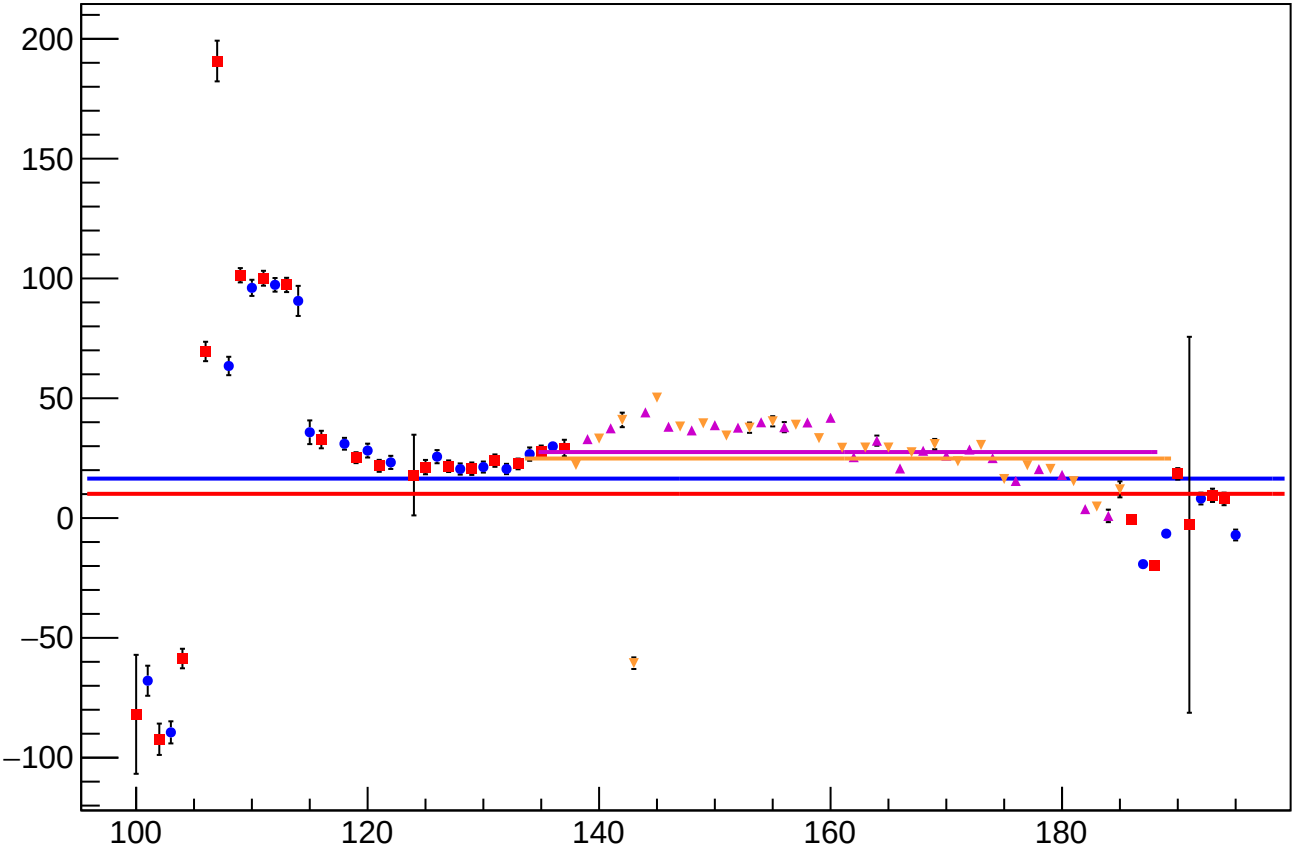
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.336+/-0.260 χ^2/NDF: 251.0/44

All: -1.949+/-0.185 χ^2/NDF: 427.7/92

- sign -1.553+/-0.263 χ^2/NDF: 172.2/47

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: 10.116+/-0.463 χ^2/NDF: 5456.8/24

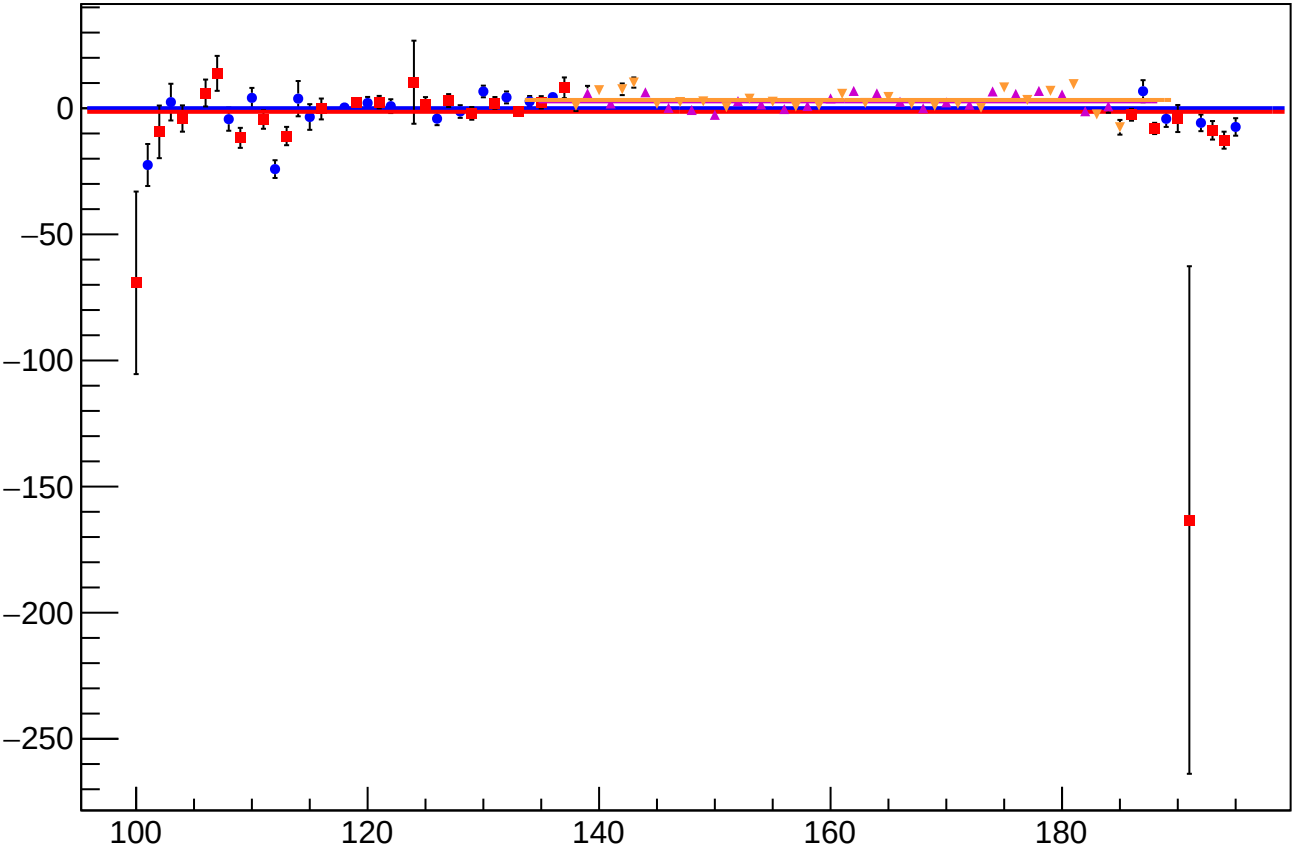
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 22.194+/-0.314 χ^2/NDF: 5614.6/44

All: 21.213+/-0.216 χ^2/NDF: 12804.2/92

- sign 20.331+/-0.298 χ^2/NDF: 7171.0/47

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

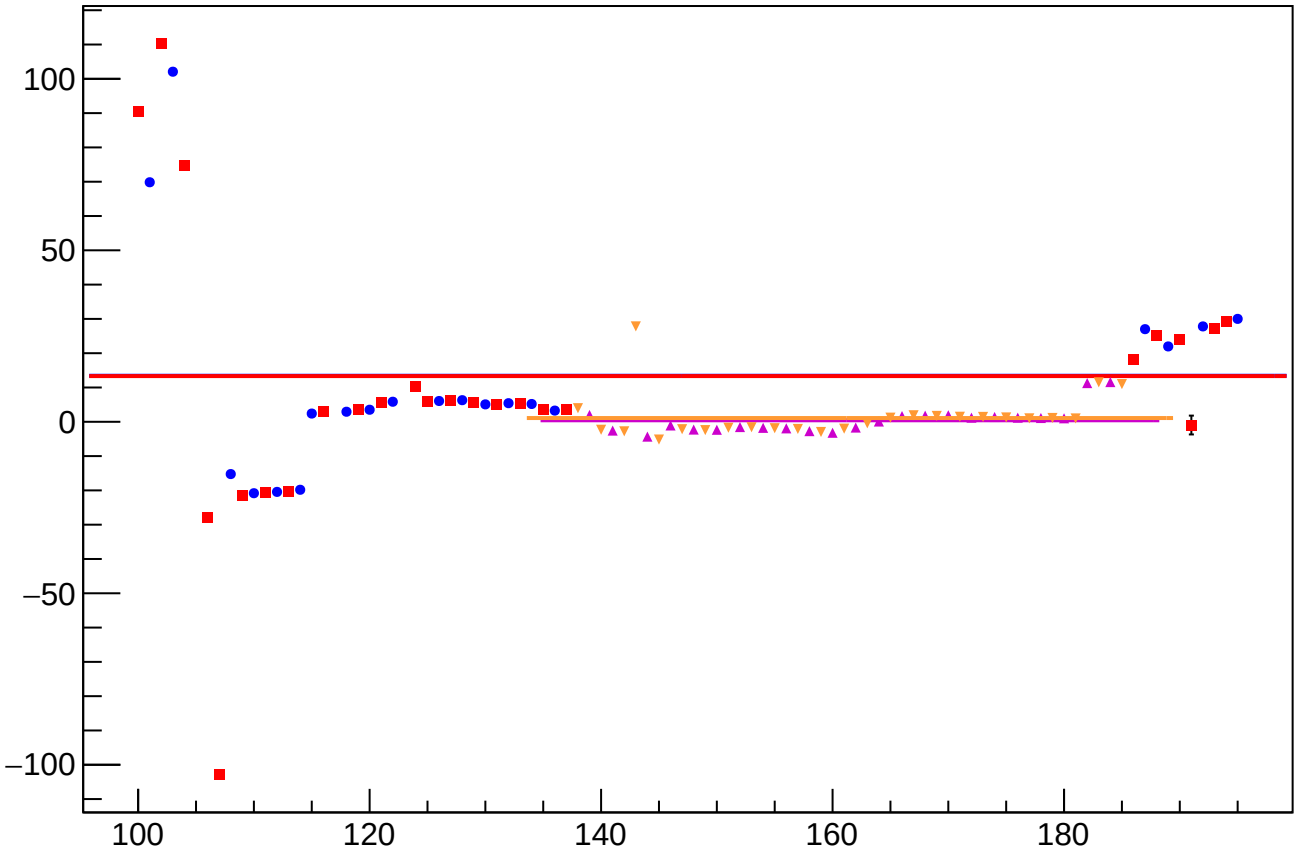
Right Out: -1.409+/-0.635 χ^2/NDF: 72.9/24

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.621+/-0.295 χ^2/NDF: 217.0/44

All: 2.218+/-0.211 χ^2/NDF: 401.1/92

- sign 1.799+/-0.301 χ^2/NDF: 180.3/47



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: 13.327+/-0.035 χ^2/NDF: 531521.0/24

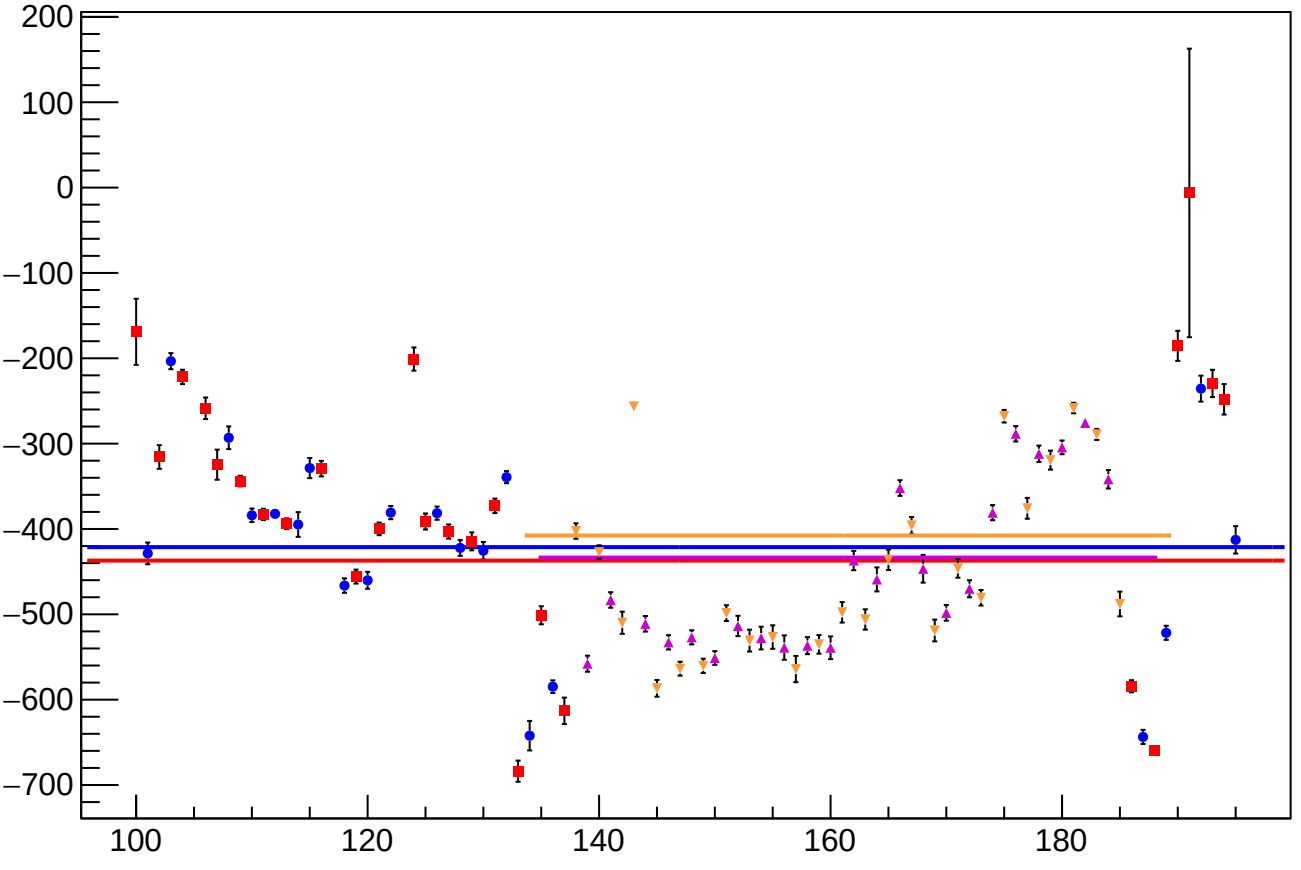
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.946+/-0.014 χ^2/NDF: 629116.7/44

All: 2.691+/-0.010 χ^2/NDF: 1327251.1/92

- sign 2.429+/-0.014 χ^2/NDF: 697432.9/47

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: -437.017+/-1.816 χ^2/NDF: 5978.9/24

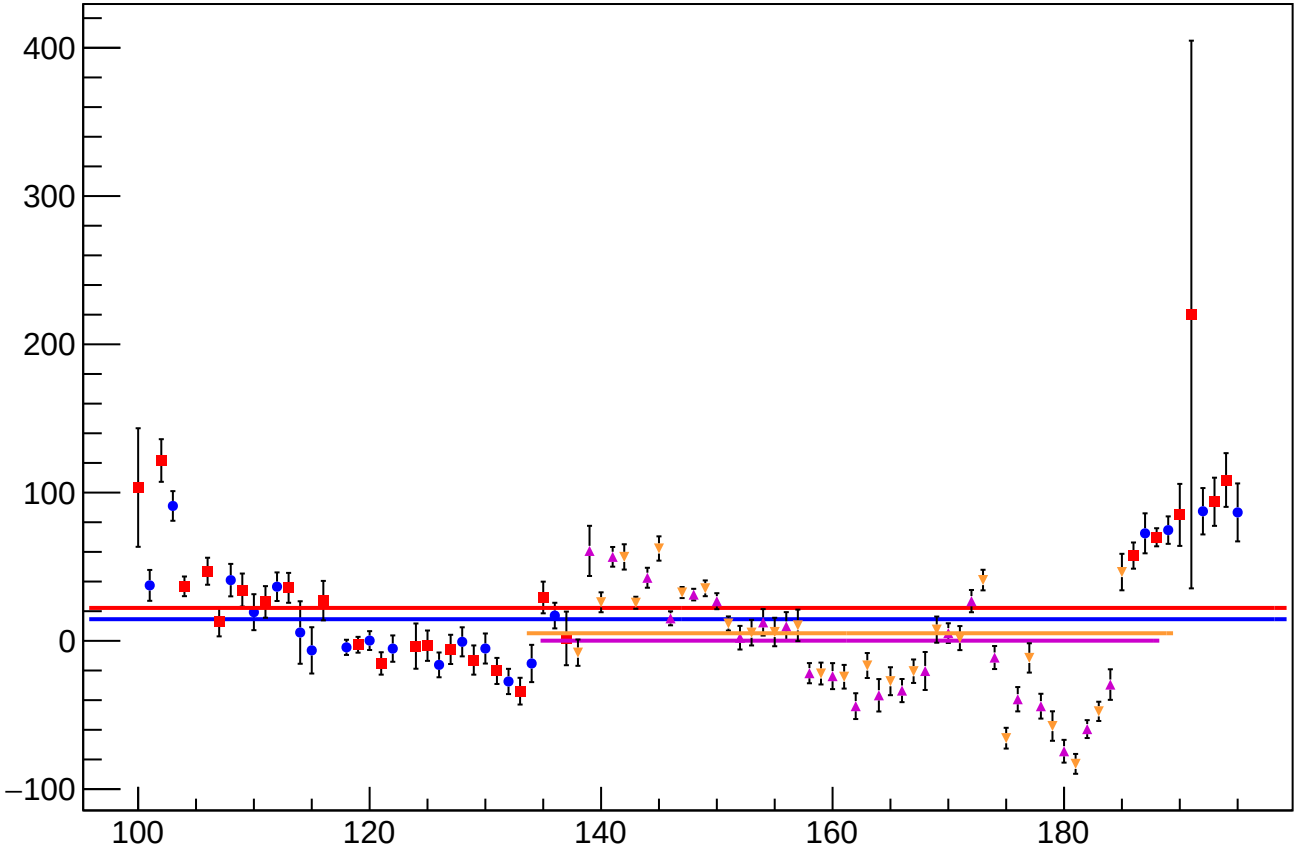
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.792+/-1.382 χ^2/NDF: 6681.1/44

All: -424.926+/-0.963 χ^2/NDF: 15512.4/92

- sign -435.435+/-1.342 χ^2/NDF: 8705.1/47

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: 22.210+/-1.976 χ^2/NDF: 337.5/24

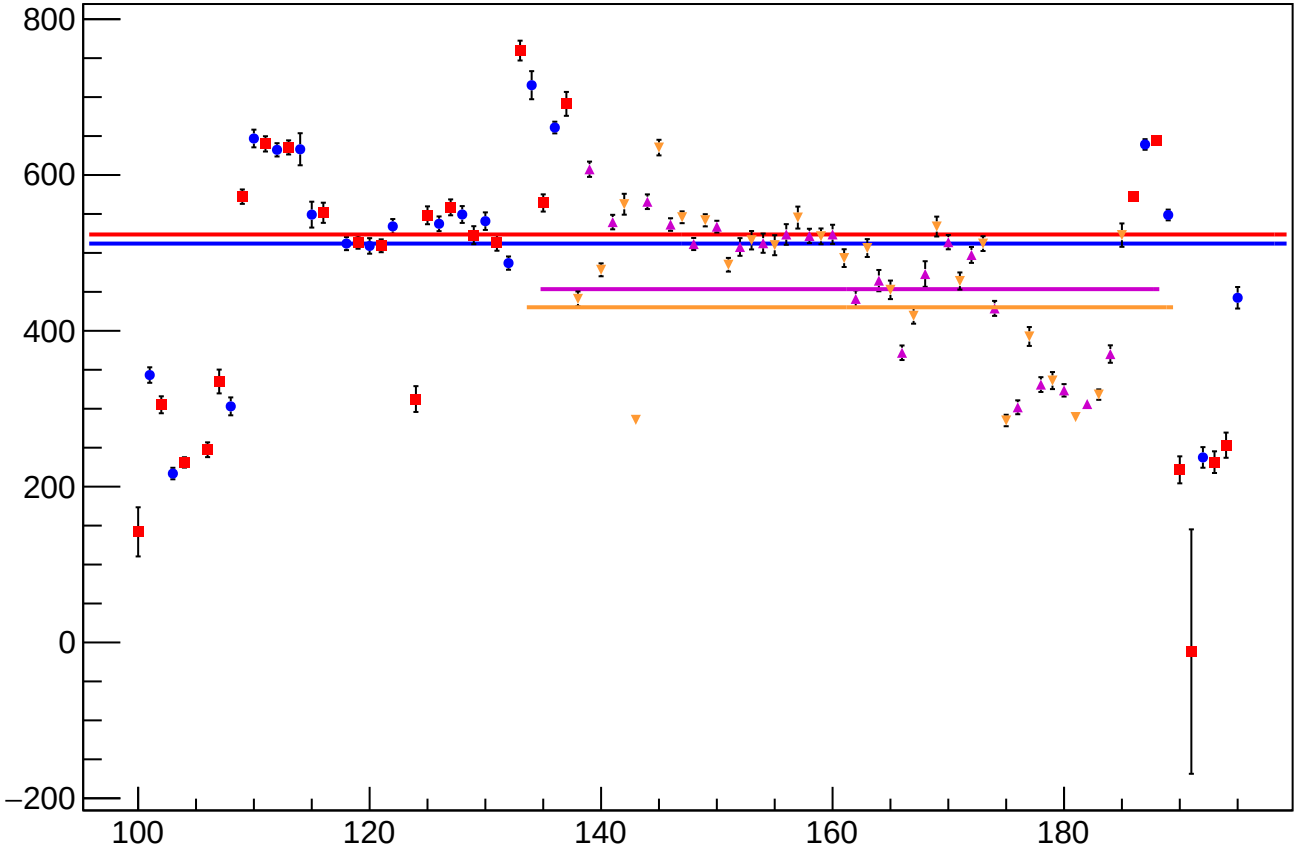
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.910+/-1.158 χ^2/NDF: 948.9/44

All: 8.014+/-0.830 χ^2/NDF: 1934.6/92

- sign 8.124+/-1.189 χ^2/NDF: 985.7/47

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: 523.667+/-1.834 χ^2/NDF: 6758.2/24

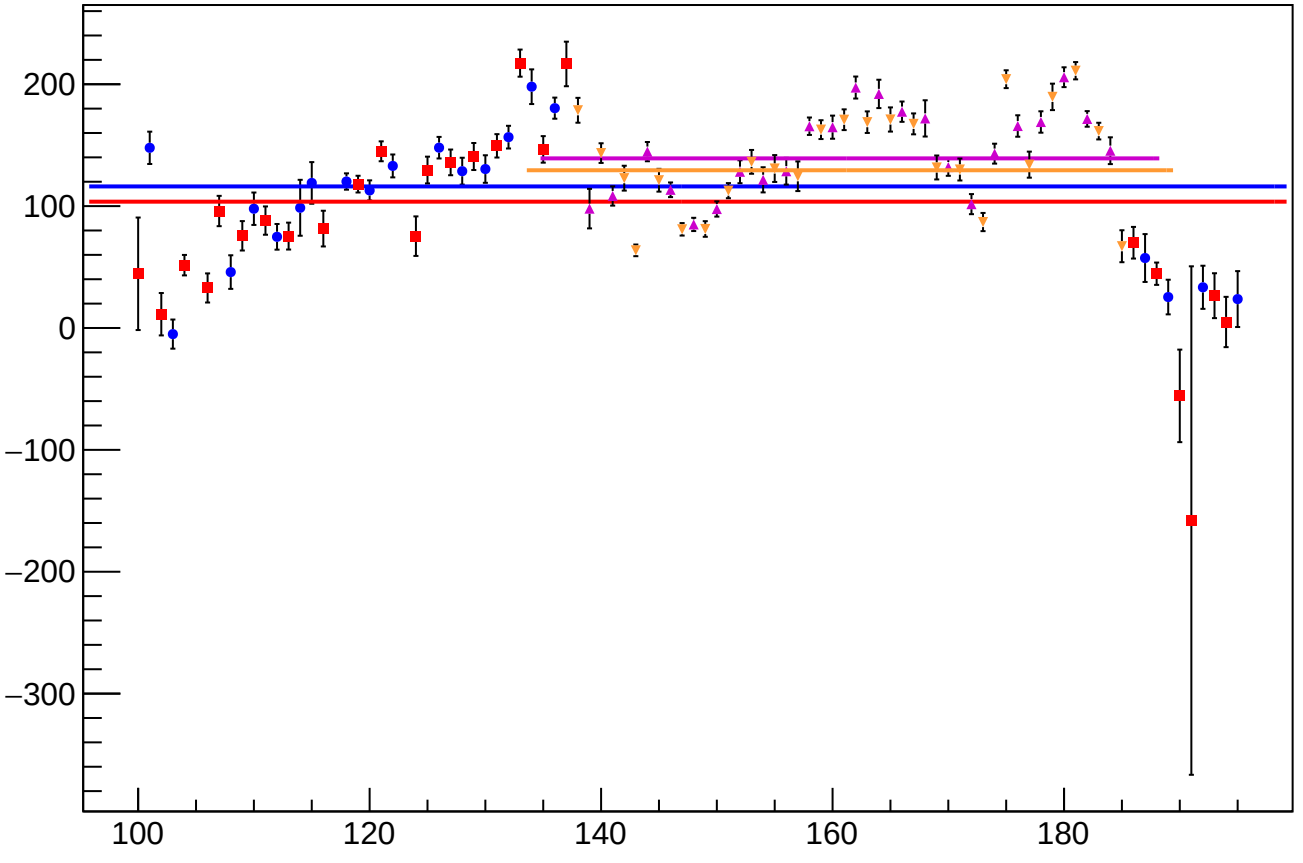
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 465.061+/-1.410 χ^2/NDF: 8208.8/44

All: 478.732+/-0.973 χ^2/NDF: 18244.2/92

- sign 491.148+/-1.344 χ^2/NDF: 9856.1/47

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: 103.648+/-2.368 χ^2/NDF: 468.0/24

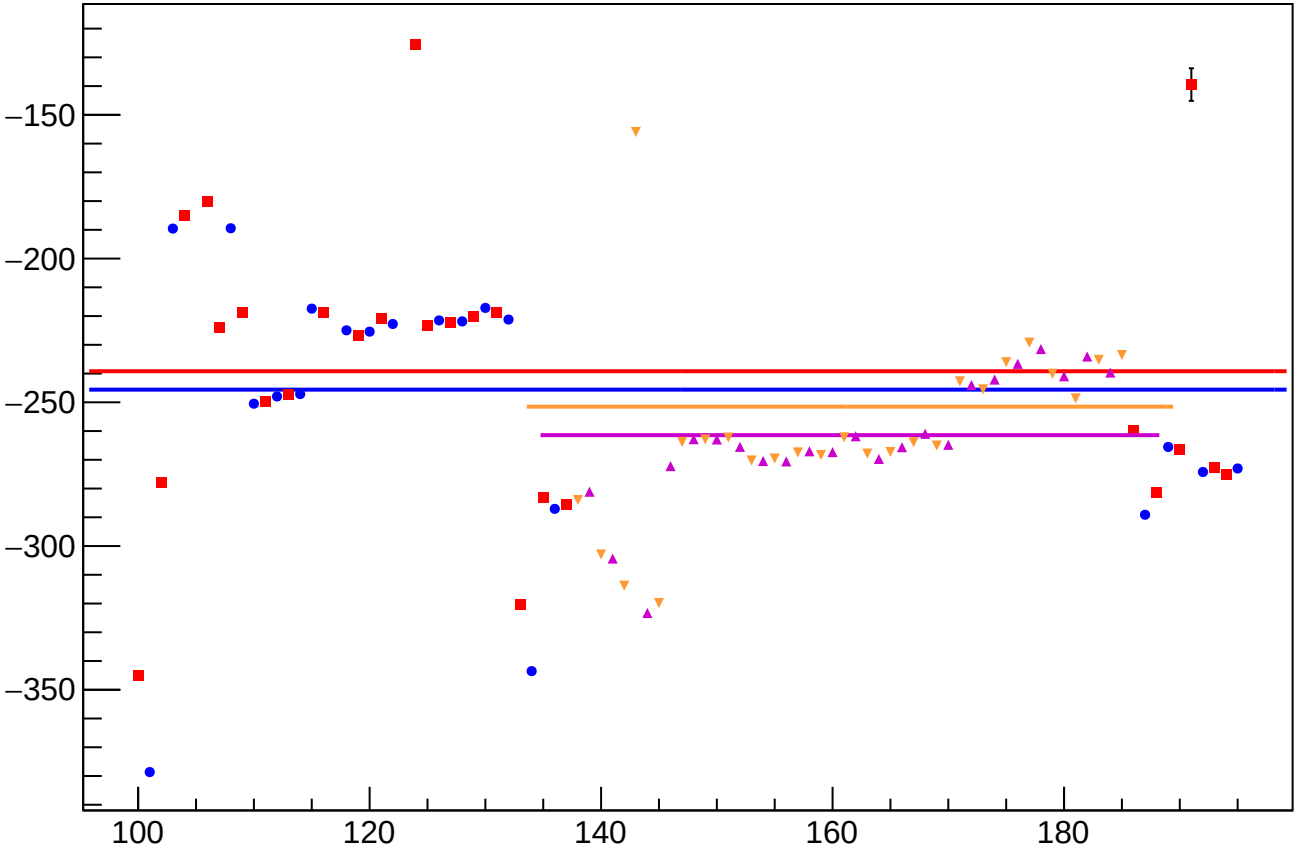
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.631+/-1.346 χ^2/NDF: 1200.8/44

All: 126.317+/-0.965 χ^2/NDF: 2251.6/92

- sign 127.042+/-1.384 χ^2/NDF: 1050.2/47

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: -239.191+/-0.131 χ^2/NDF: 102992.6/24

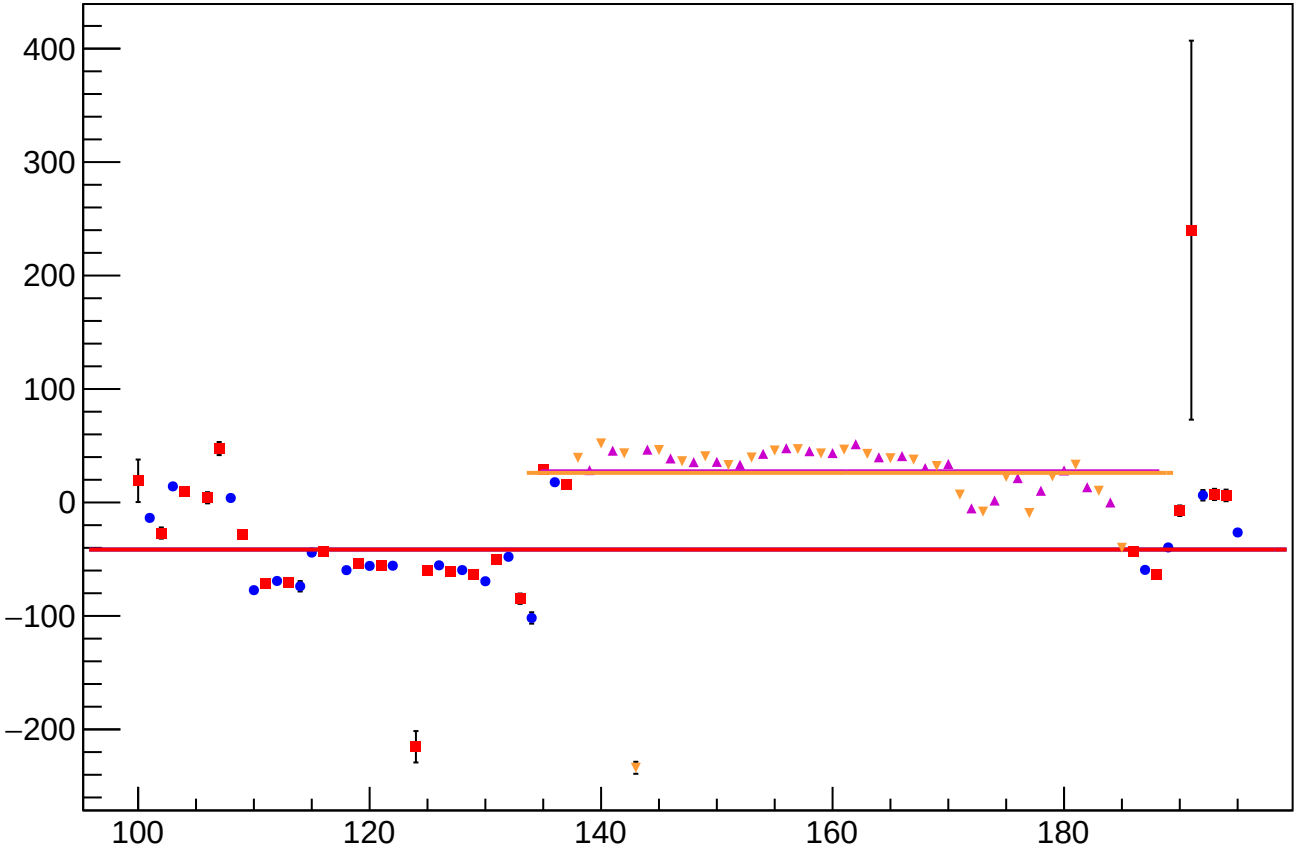
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.173+/-0.066 χ^2/NDF: 398303.3/44

All: -252.836+/-0.047 χ^2/NDF: 595554.2/92

- sign -255.603+/-0.067 χ^2/NDF: 193895.1/47

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: -41.503+/-0.568 χ^2/NDF: 2946.0/24

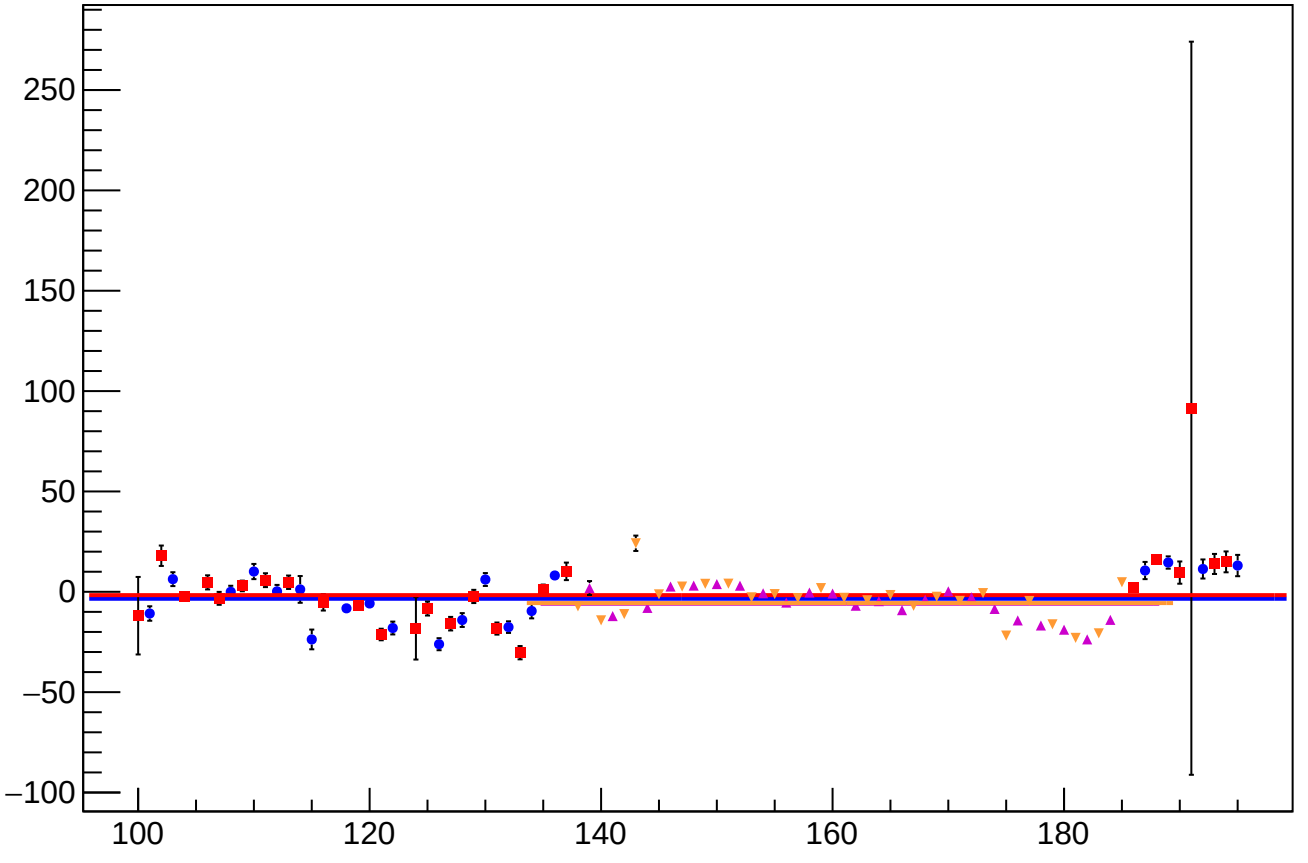
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.683+/-0.336 χ^2/NDF: 15096.3/44

All: 6.749+/-0.233 χ^2/NDF: 29633.9/92

- sign 4.938+/-0.325 χ^2/NDF: 14473.3/47

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: -1.662+/-0.646 χ^2/NDF: 318.4/24

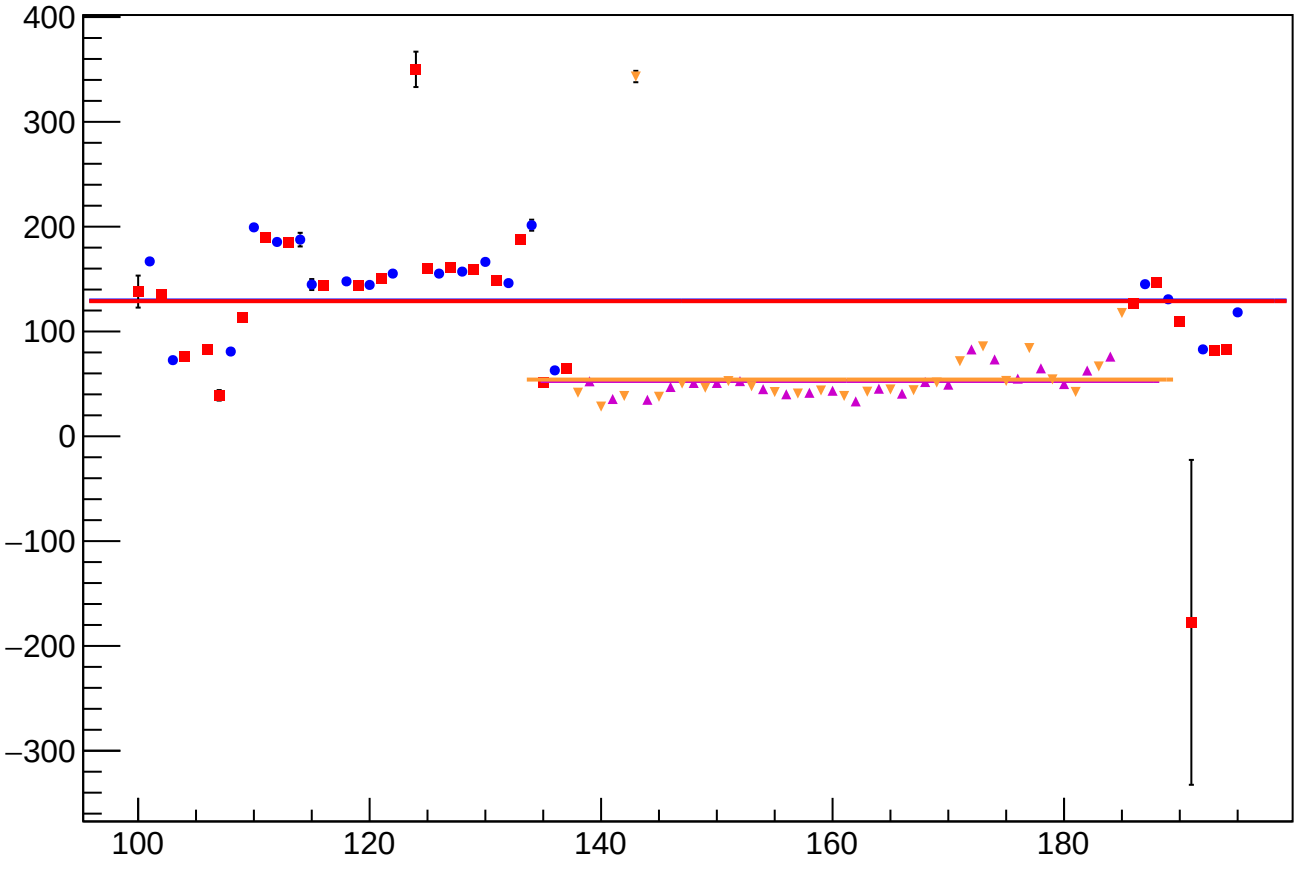
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.292+/-0.278 χ^2/NDF: 1171.6/44

All: -5.218+/-0.197 χ^2/NDF: 2238.1/92

- sign -5.143+/-0.279 χ^2/NDF: 1066.4/47

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: 128.912+/-0.577 χ^2/NDF: 3989.5/24

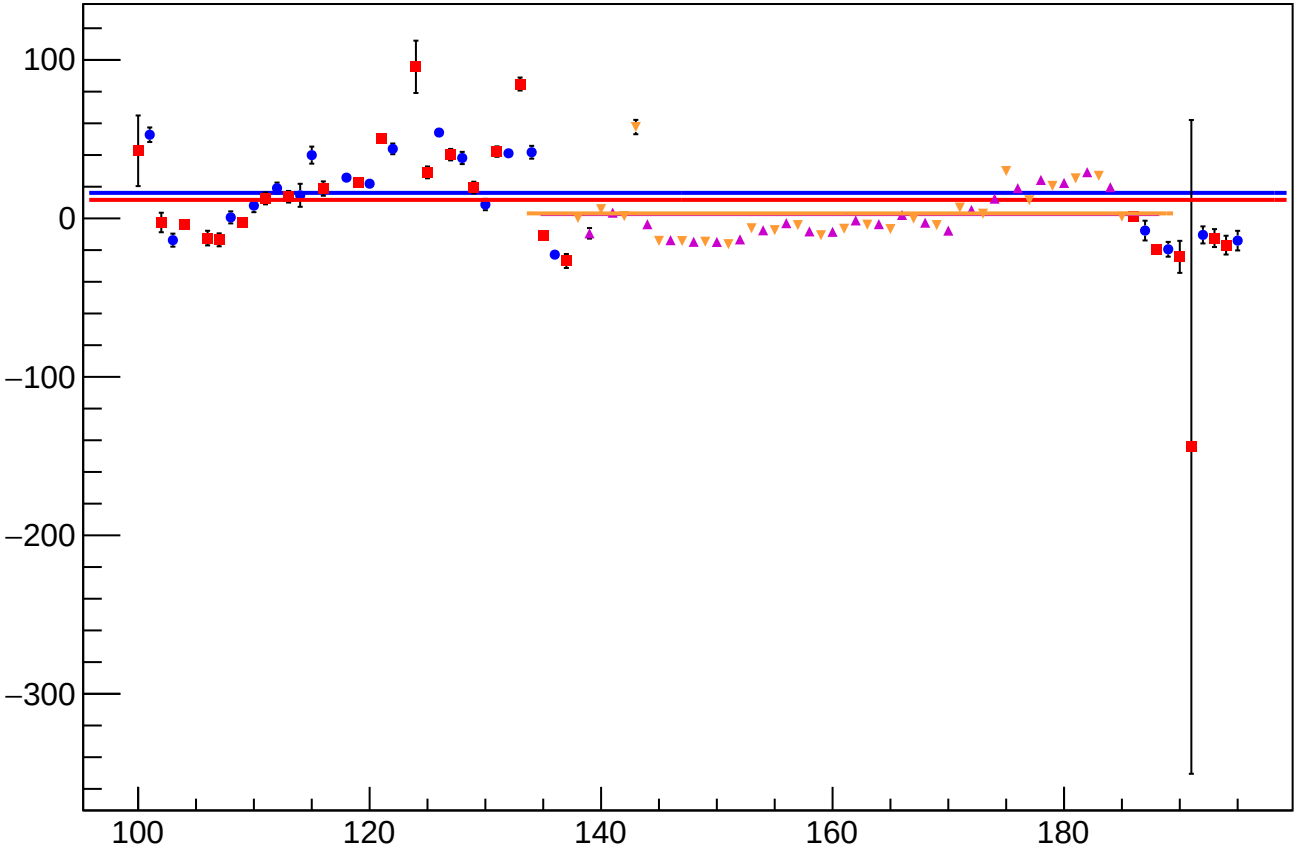
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.101+/-0.338 χ^2/NDF: 17453.5/44

All: 74.577+/-0.234 χ^2/NDF: 34408.2/92

\- sign 76.862+/-0.325 χ^2/NDF: 16851.5/47

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: 11.683+/-0.772 χ^2/NDF: 1136.9/24

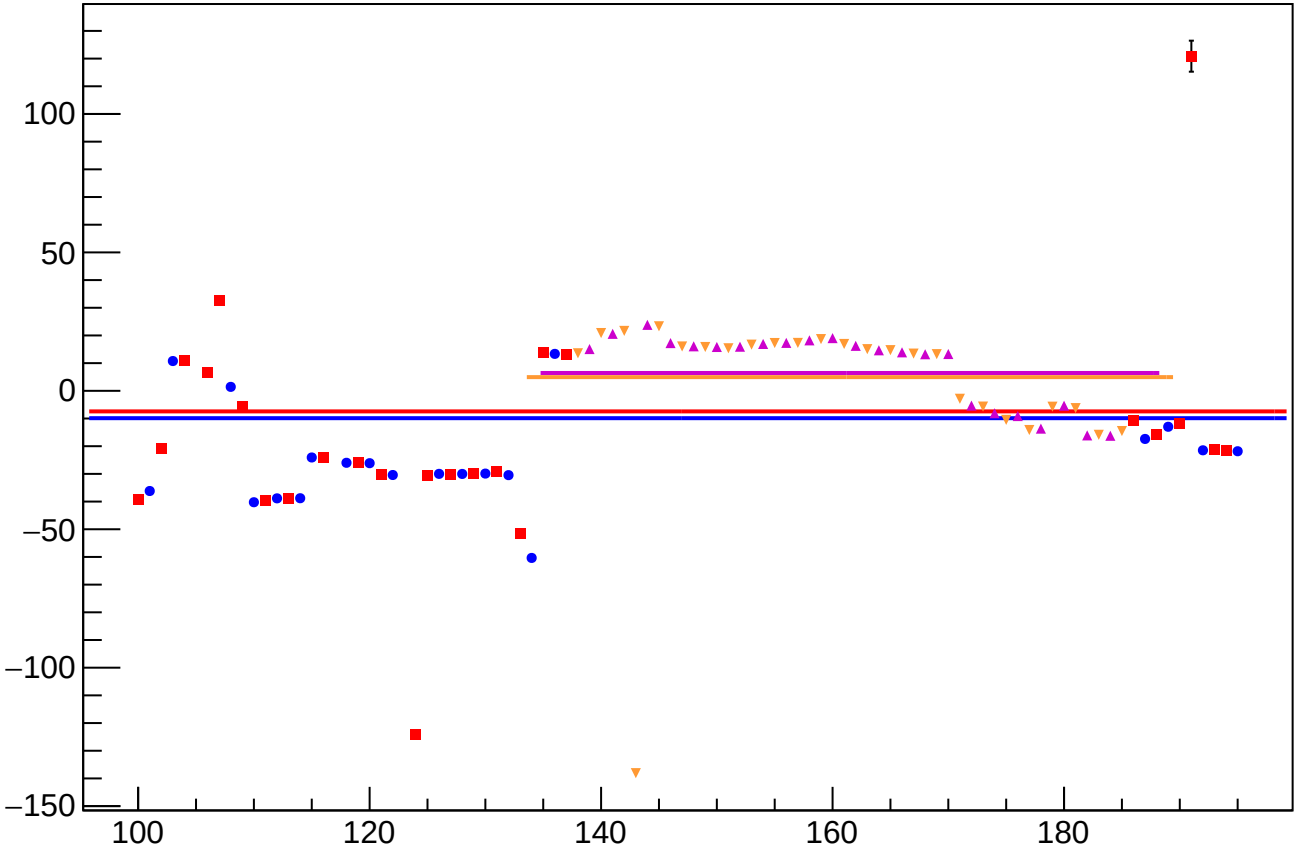
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.052+/-0.314 χ^2/NDF: 3215.6/44

All: 4.642+/-0.223 χ^2/NDF: 6203.2/92

- sign 4.226+/-0.316 χ^2/NDF: 2984.2/47

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: -7.430+/-0.041 χ^2/NDF: 248923.6/24

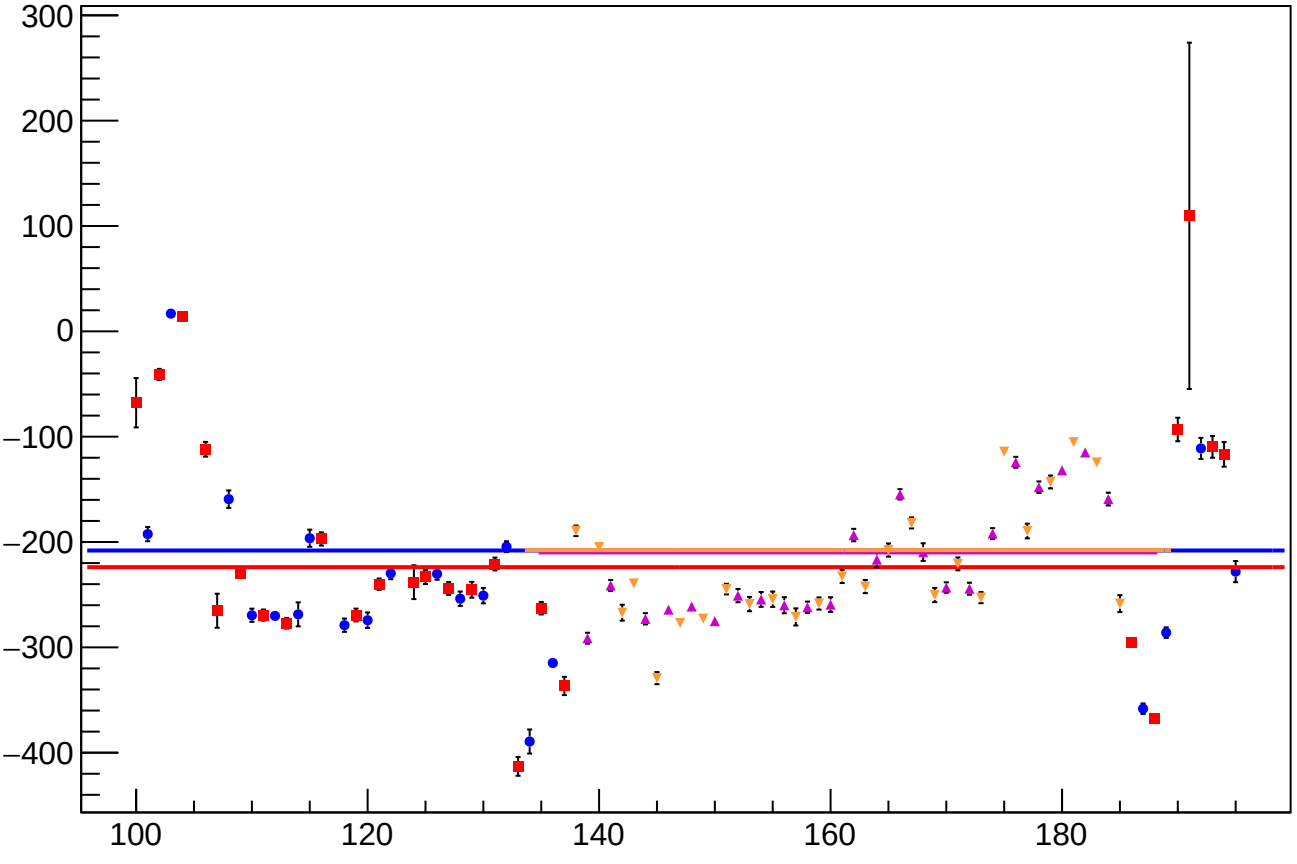
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.212+/-0.014 χ^2/NDF: 1526384.9/44

All: 3.975+/-0.010 χ^2/NDF: 2610995.7/92

- sign 4.744+/-0.014 χ^2/NDF: 1078903.5/47

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: -223.870+/-1.147 χ^2/NDF: 11934.9/24

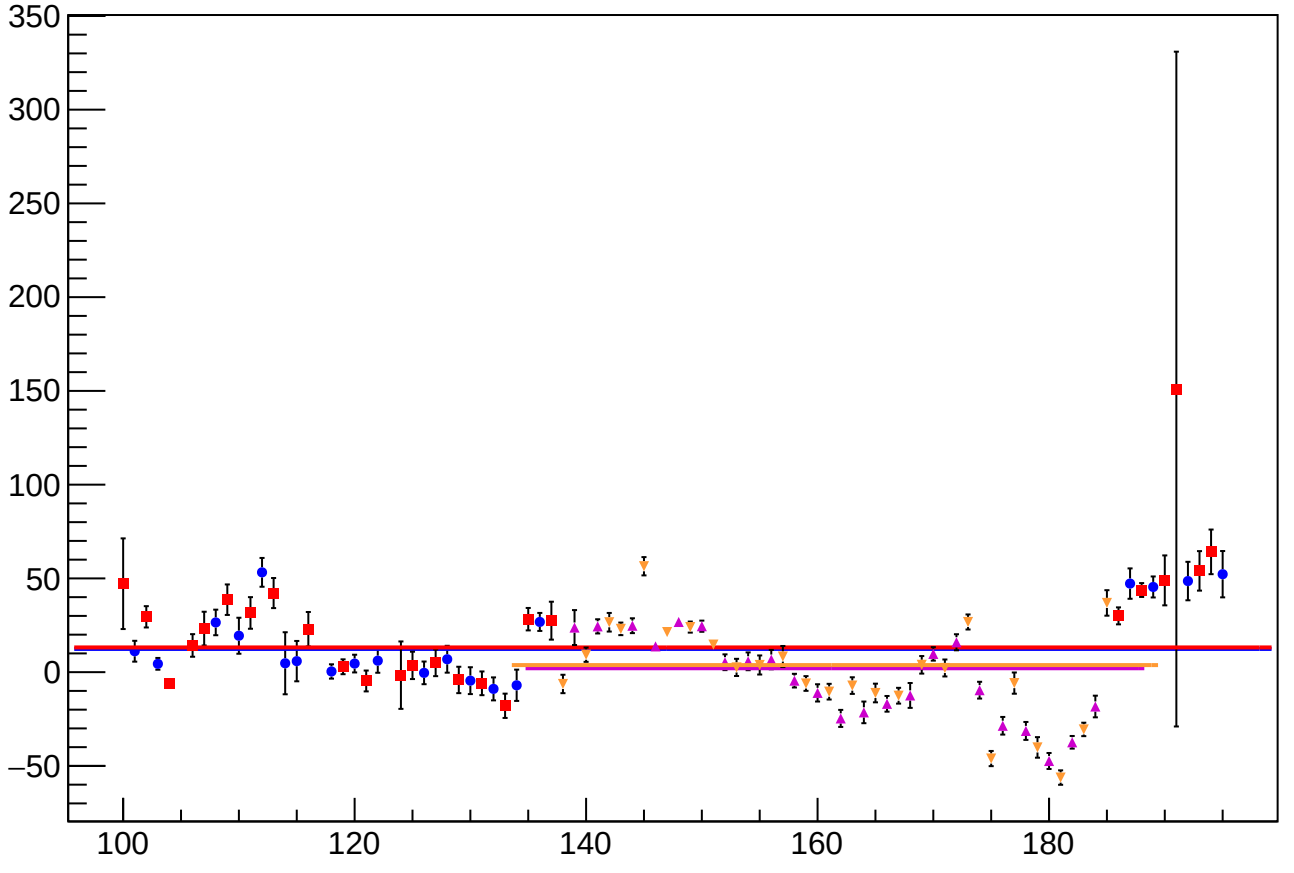
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.872+/-0.825 χ^2/NDF: 12098.1/44

All: -212.394+/-0.572 χ^2/NDF: 27180.3/92

- sign -216.590+/-0.794 χ^2/NDF: 15024.3/47

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: 13.189+/-1.205 χ^2/NDF: 295.0/24

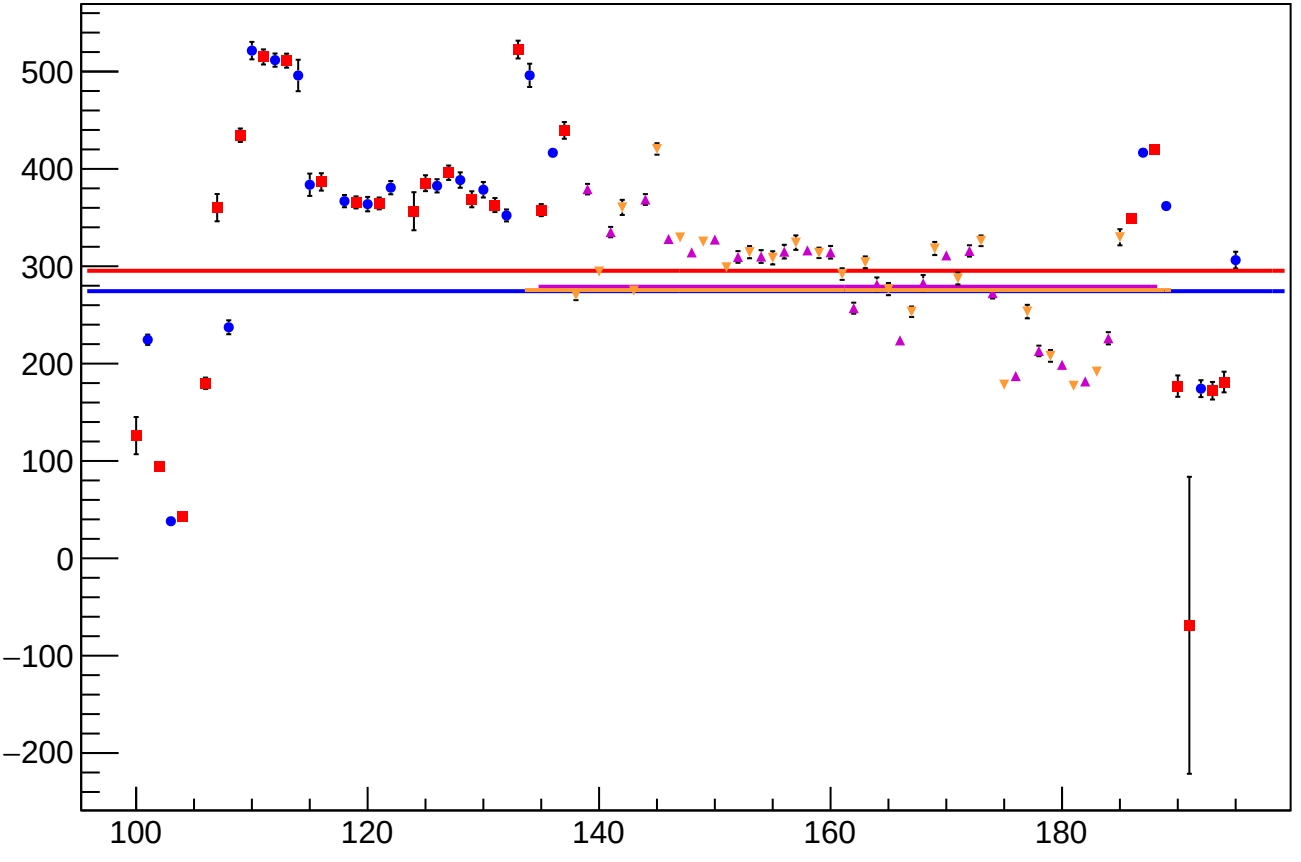
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 5.951+/-0.680 χ^2/NDF: 1169.4/44

All: 5.772+/-0.480 χ^2/NDF: 2292.9/92

\- sign 5.594+/-0.678 χ^2/NDF: 1123.3/47

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: 295.355+/-1.074 χ^2/NDF: 21489.1/24

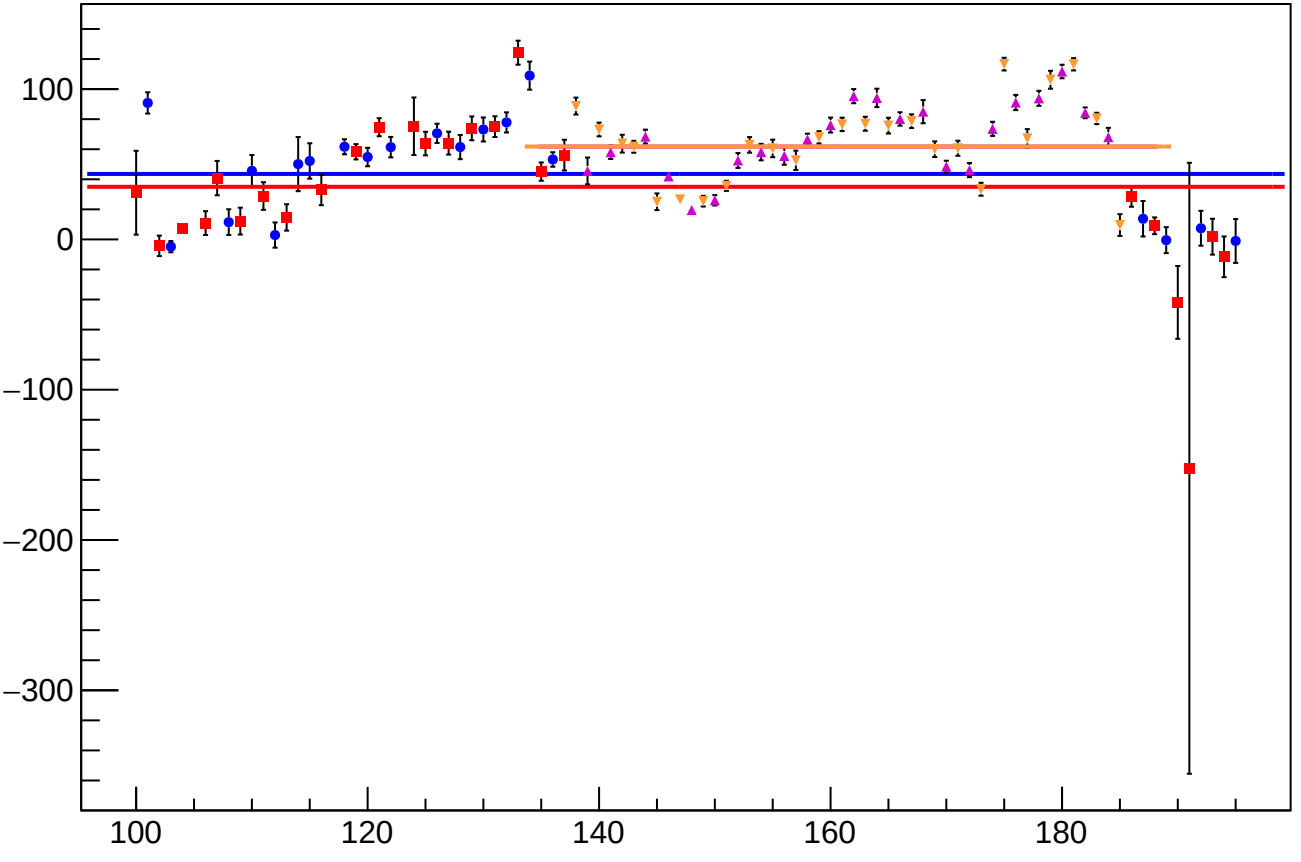
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.062+/-0.810 χ^2/NDF: 20737.1/44

All: 281.523+/-0.556 χ^2/NDF: 45575.8/92

- sign 287.284+/-0.765 χ^2/NDF: 24718.3/47

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: 35.007+/-1.472 χ^2/NDF: 476.2/24

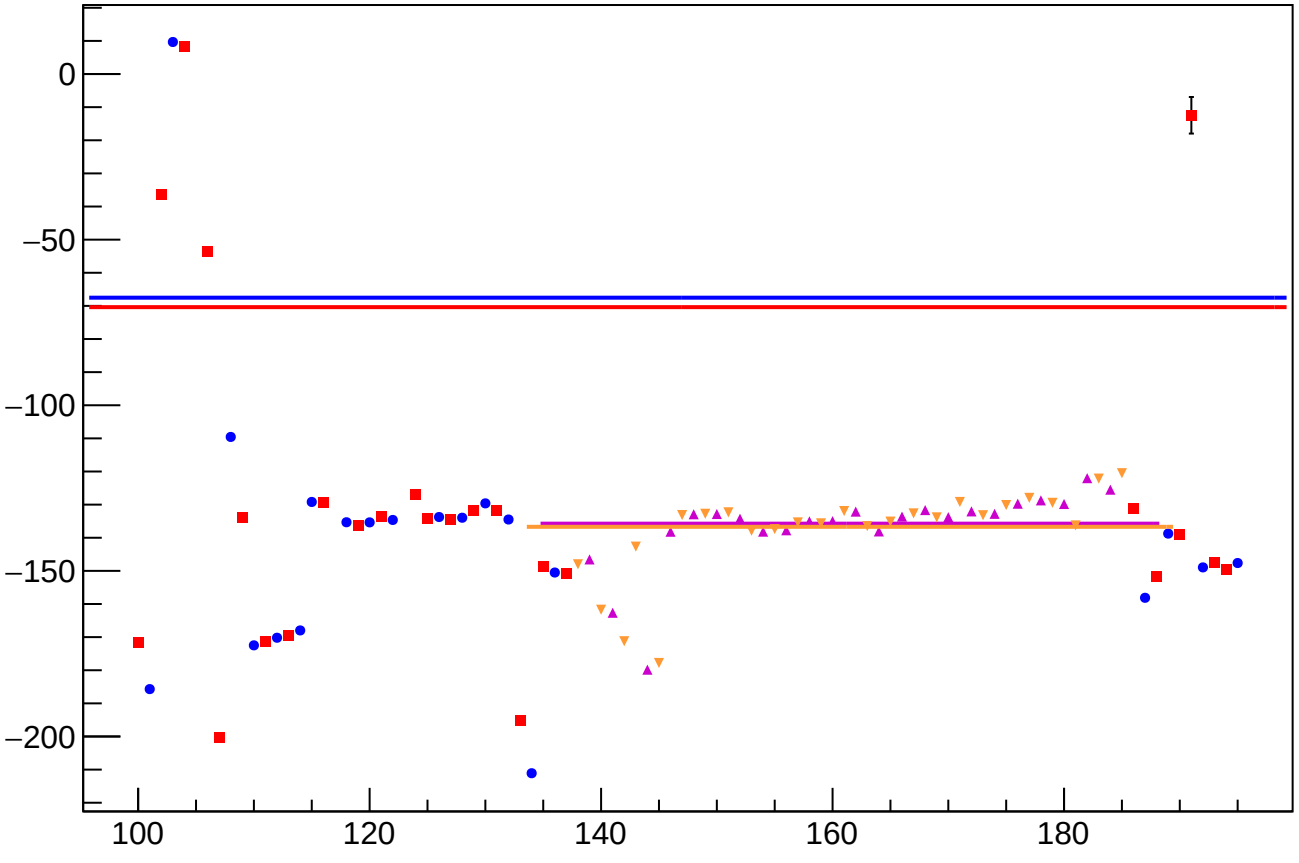
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.362+/-0.789 χ^2/NDF: 1499.6/44

All: 55.699+/-0.559 χ^2/NDF: 2955.7/92

- sign 54.026+/-0.791 χ^2/NDF: 1447.2/47

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: -70.377+/-0.069 χ^2/NDF: 1081247.4/24

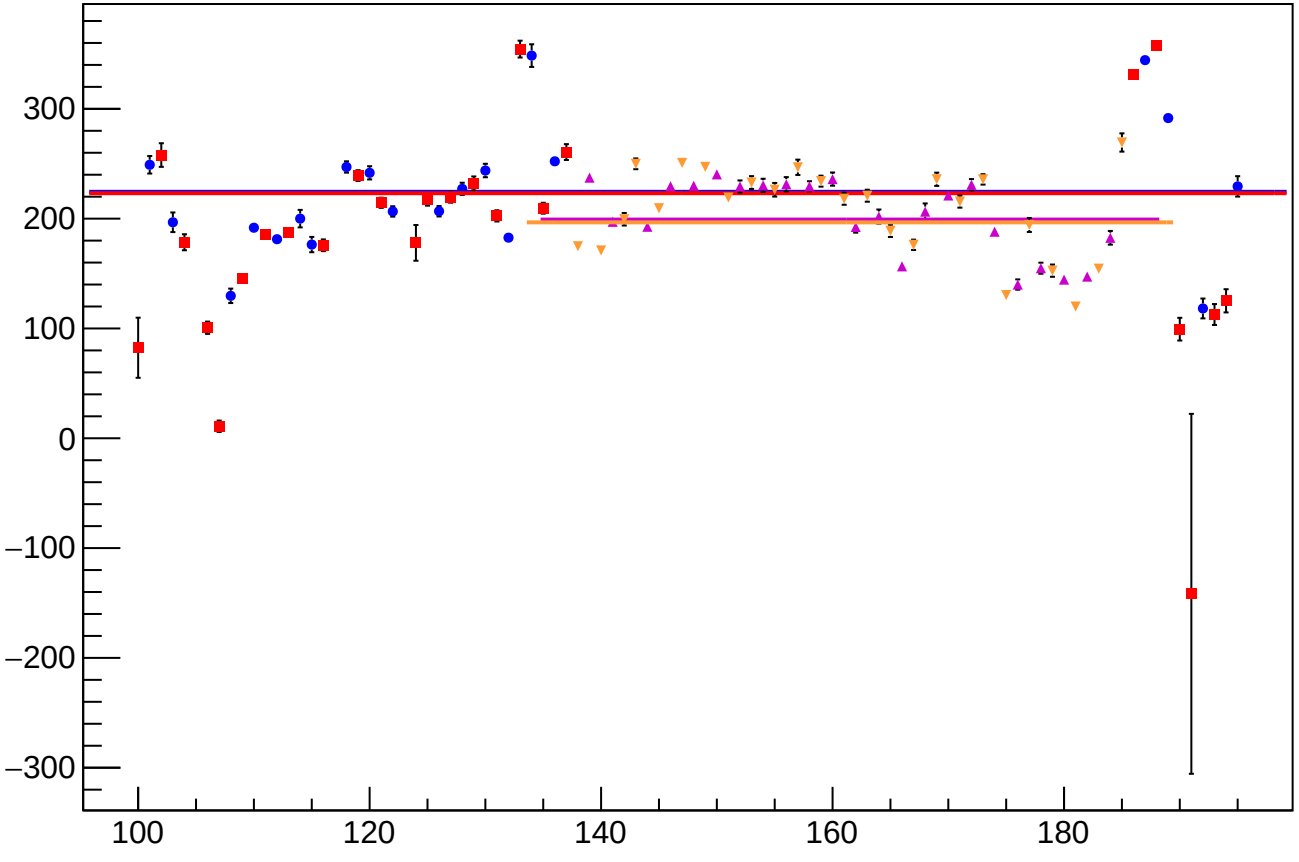
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.823+/-0.036 χ^2/NDF: 2180824.5/44

All: -117.642+/-0.026 χ^2/NDF: 3978274.4/92

- sign -117.457+/-0.036 χ^2/NDF: 1797398.7/47

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: 223.163+/-1.016 χ^2/NDF: 7837.0/24

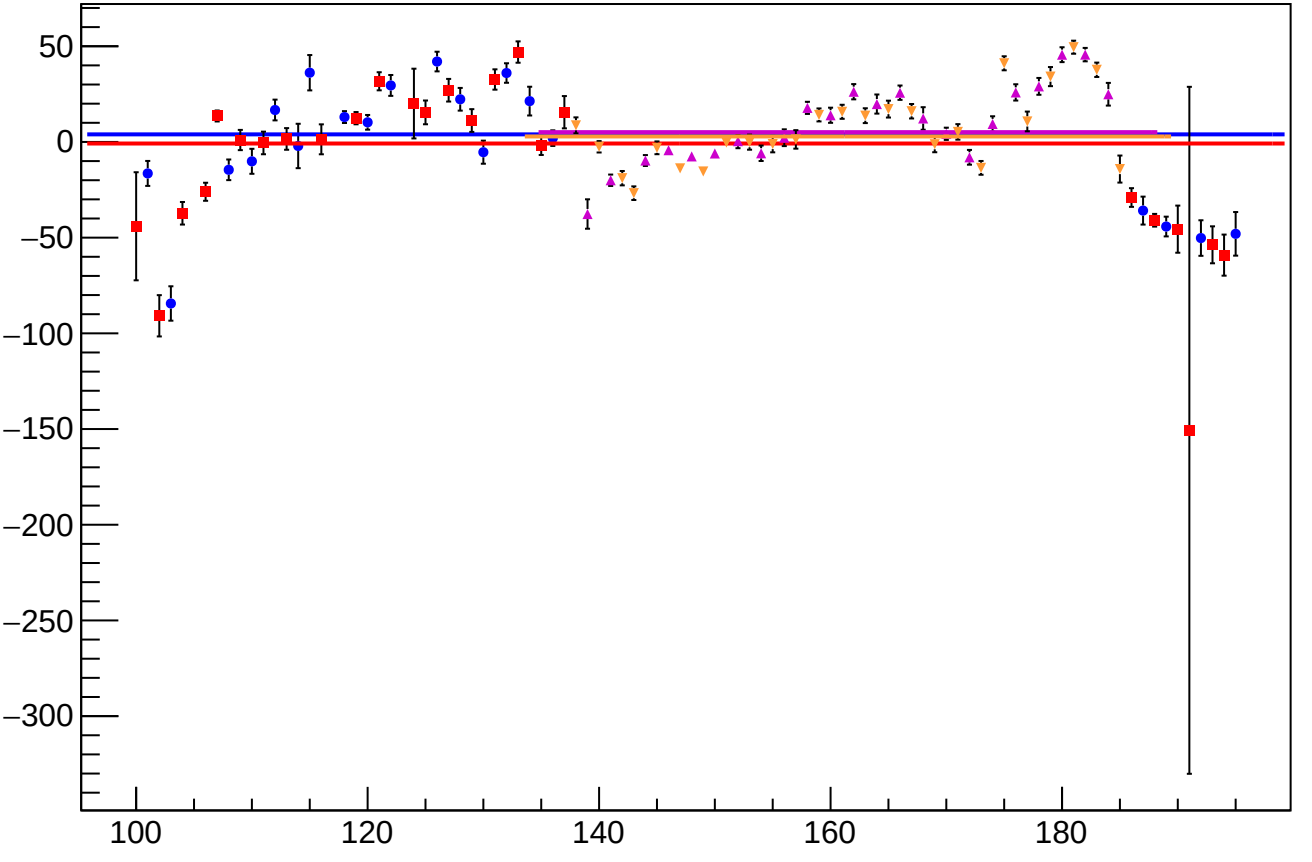
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.483+/-0.739 χ^2/NDF: 4363.6/44

All: 209.141+/-0.509 χ^2/NDF: 13796.3/92

- sign 210.641+/-0.703 χ^2/NDF: 9423.1/47

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: -0.818+/-1.101 χ^2/NDF: 632.9/24

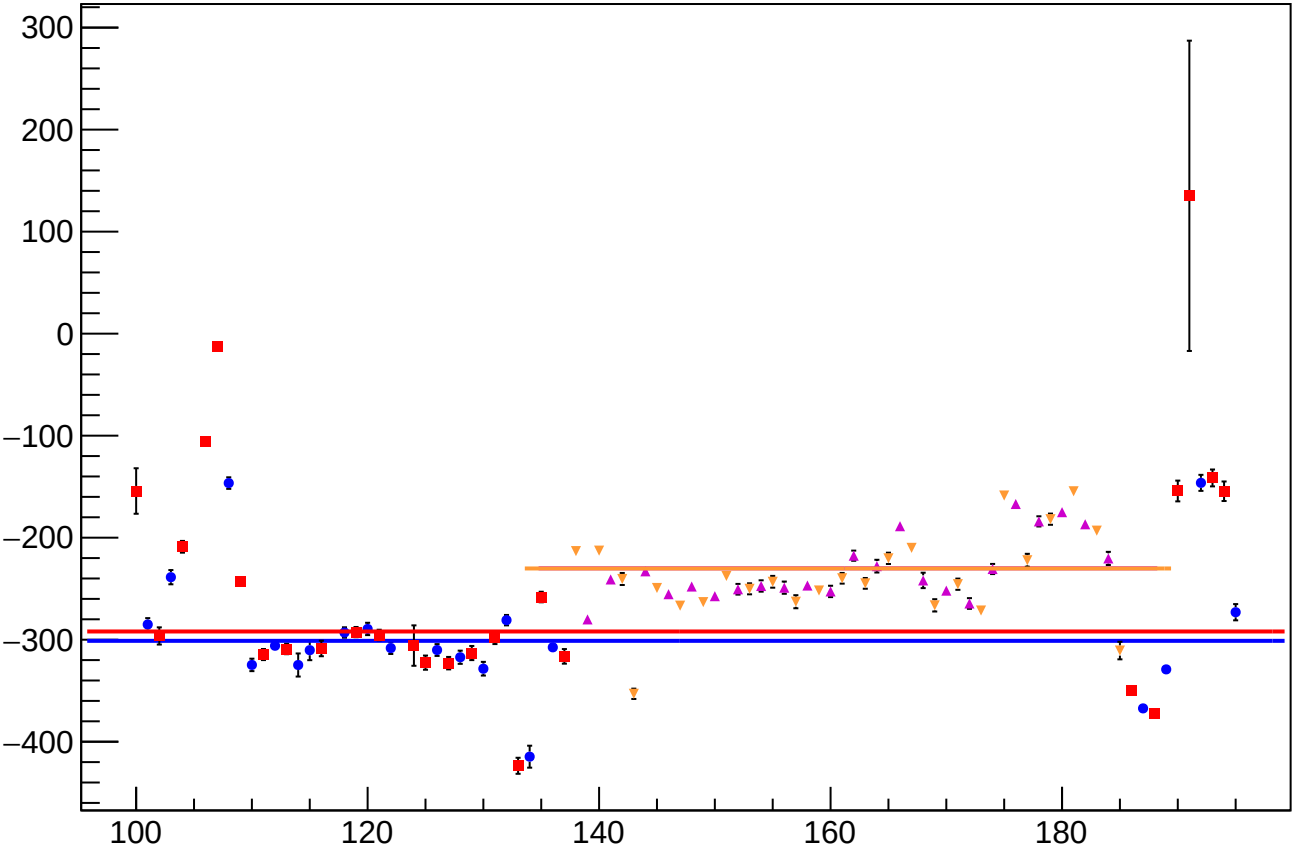
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.126+/-0.606 χ^2/NDF: 1211.2/44

All: 3.240+/-0.427 χ^2/NDF: 2493.2/92

- sign 3.351+/-0.601 χ^2/NDF: 1281.9/47

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: -291.943+/-1.031 χ^2/NDF: 9171.7/24

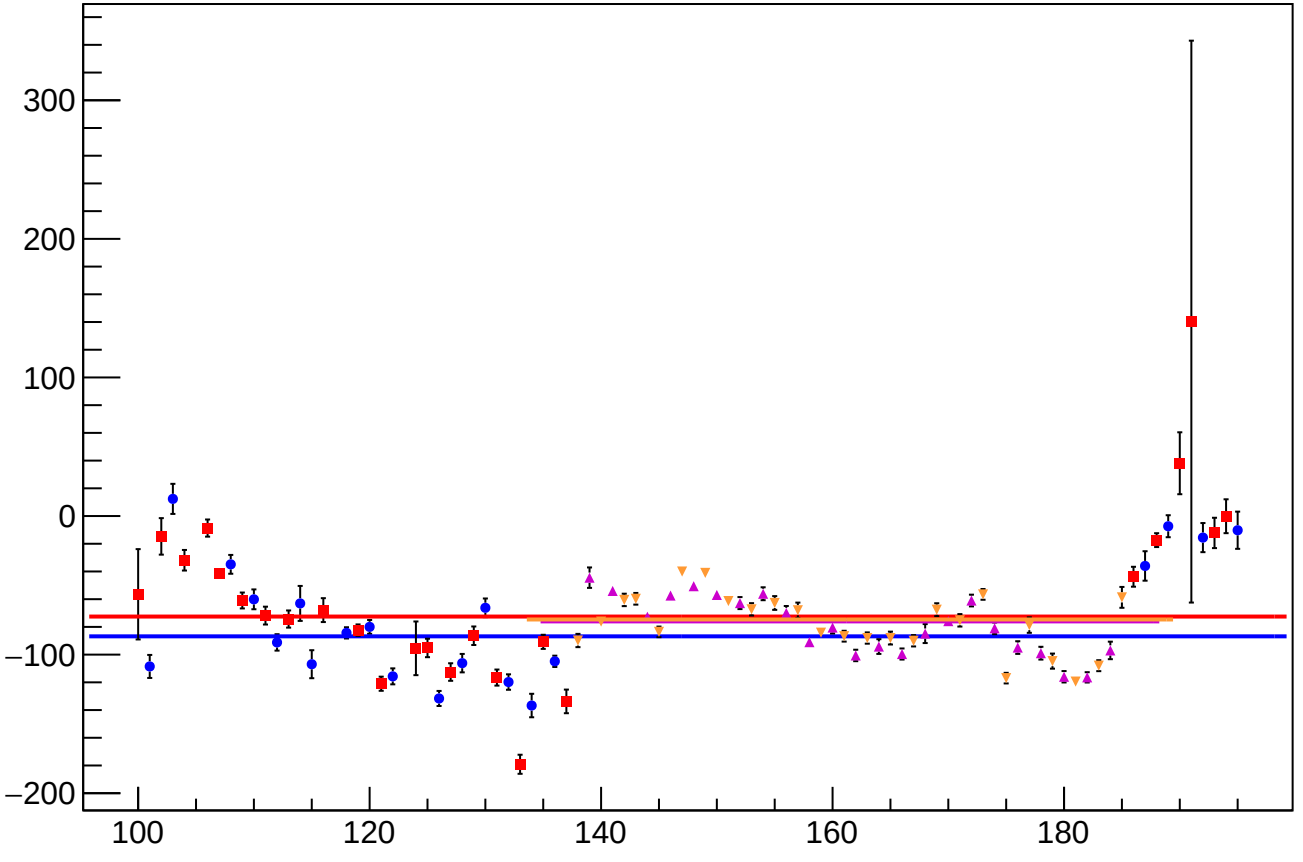
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.735+/-0.751 χ^2/NDF: 6029.0/44

All: -257.379+/-0.513 χ^2/NDF: 18232.2/92

- sign -258.820+/-0.703 χ^2/NDF: 12194.2/47

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: -72.529+/-1.325 χ^2/NDF: 976.0/24

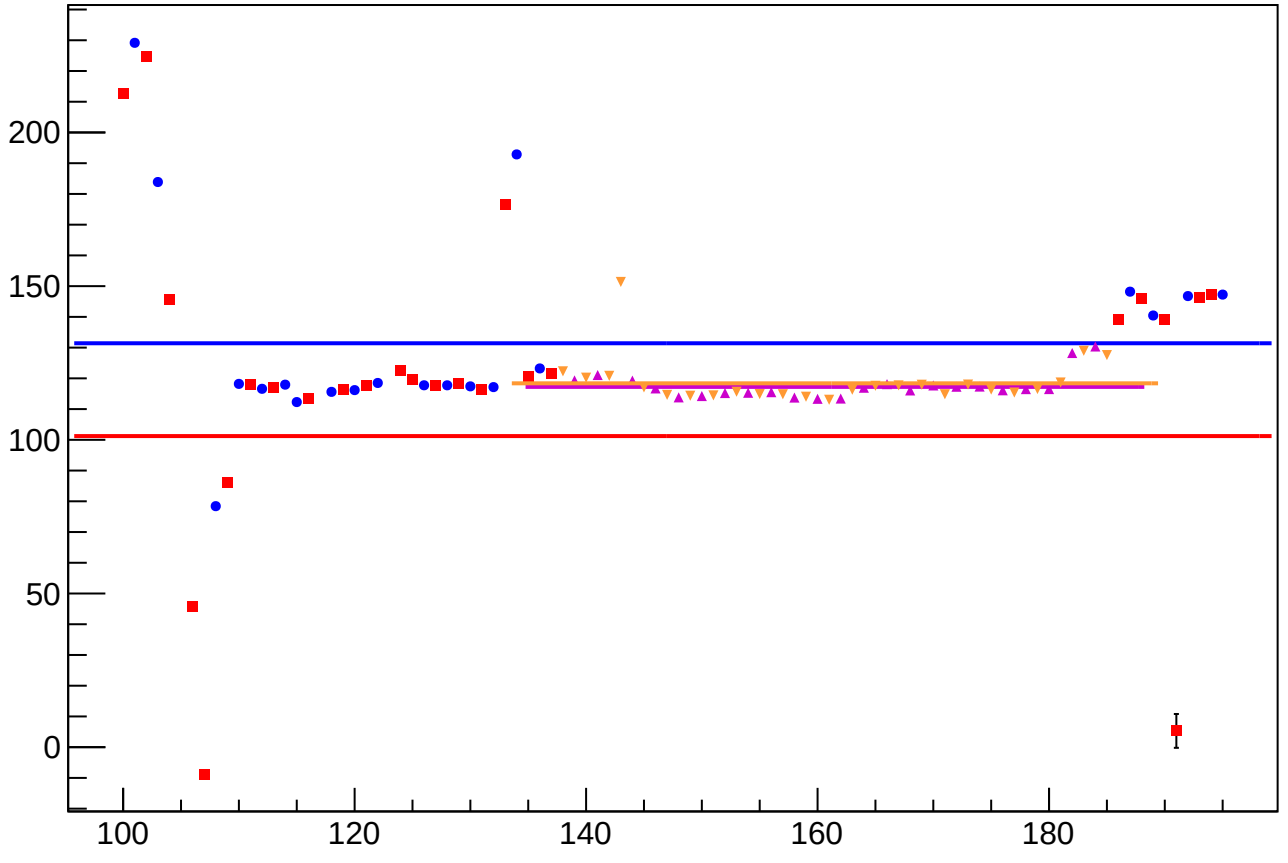
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.434+/-0.703 χ^2/NDF: 1459.1/44

All: -76.236+/-0.496 χ^2/NDF: 3091.9/92

- sign -75.050+/-0.700 χ^2/NDF: 1627.1/47

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: 101.218+/-0.071 χ^2/NDF: 690458.0/24

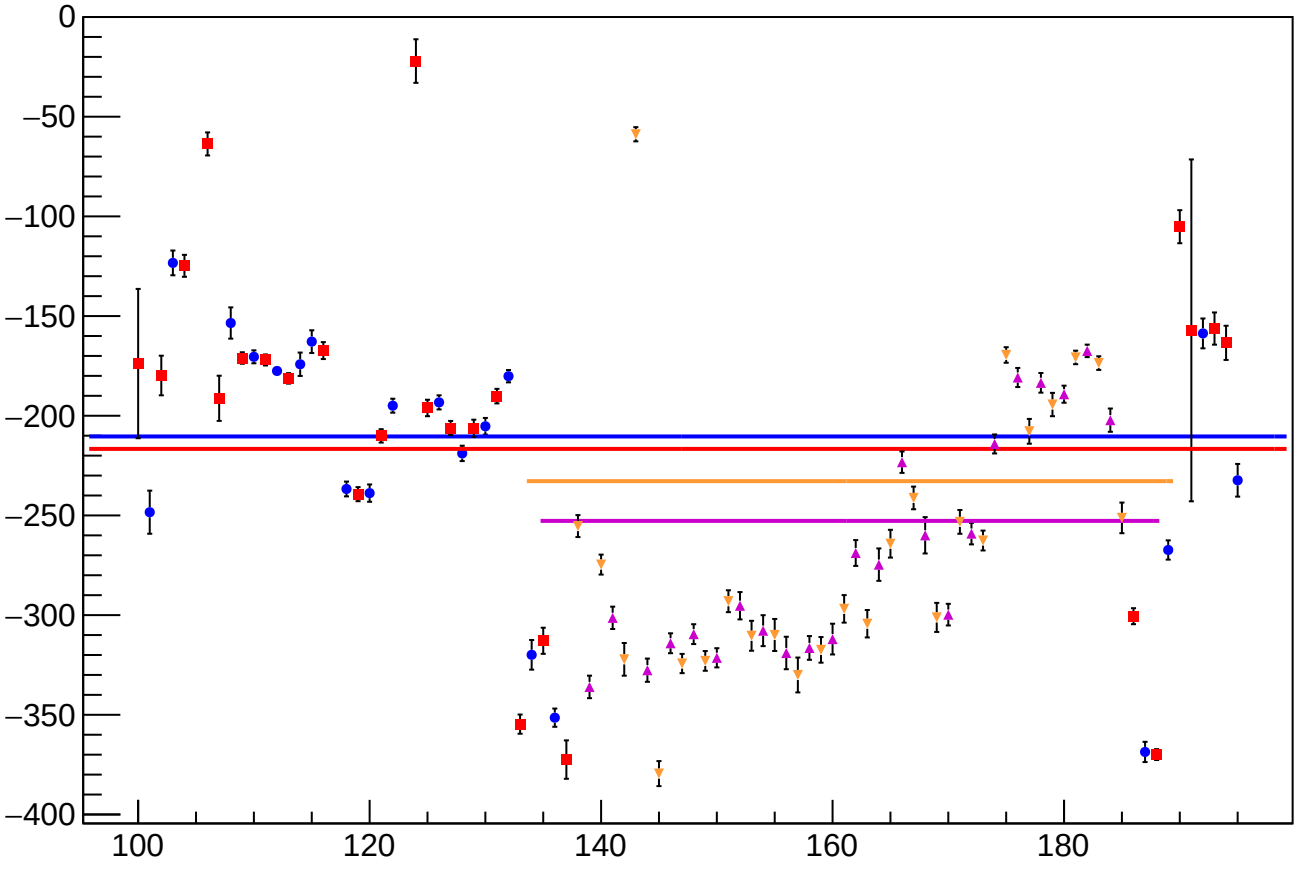
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.634+/-0.034 χ^2/NDF: 245456.7/44

All: 117.131+/-0.024 χ^2/NDF: 1006401.1/92

- sign 113.755+/-0.033 χ^2/NDF: 739973.3/47

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: -216.627+/-0.879 χ^2/NDF: 7440.0/24

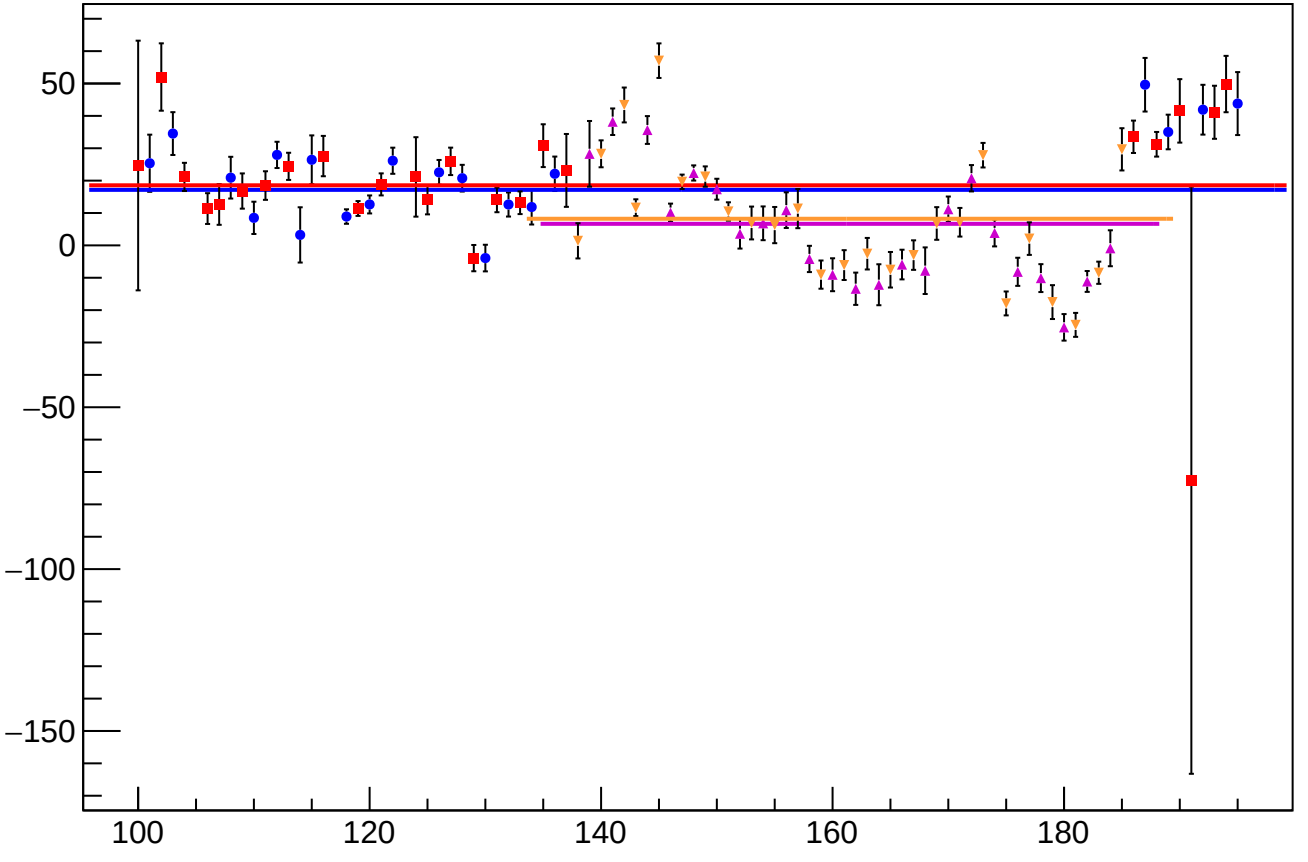
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.450+/-0.718 χ^2/NDF: 9276.5/44

All: -225.509+/-0.499 χ^2/NDF: 20362.0/92

- sign -230.233+/-0.694 χ^2/NDF: 10989.6/47

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: 18.558+/-0.963 χ^2/NDF: 117.0/24

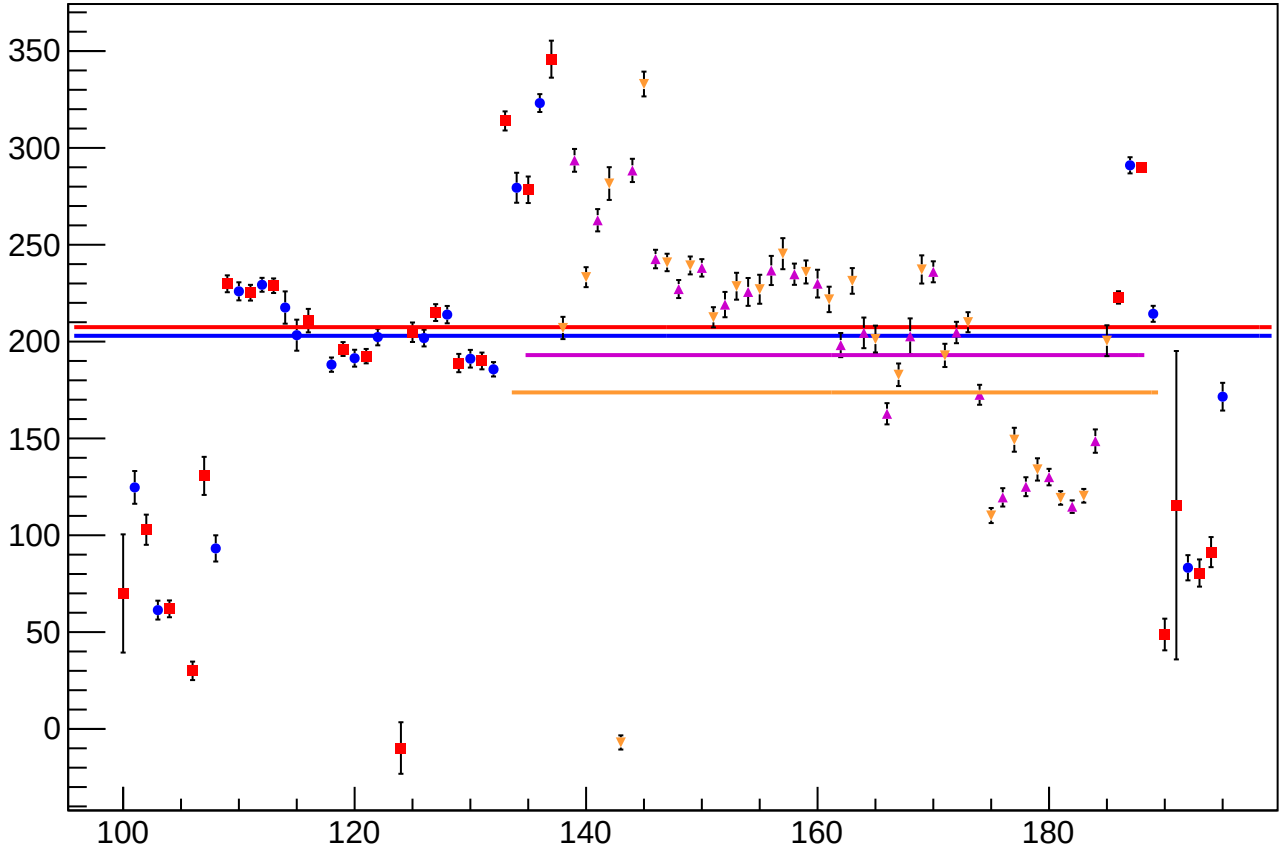
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.695+/-0.628 χ^2/NDF: 626.3/44

All: 11.808+/-0.448 χ^2/NDF: 1183.4/92

- sign 11.925+/-0.641 χ^2/NDF: 557.0/47

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: 207.459+/-0.949 χ^2/NDF: 6301.1/24

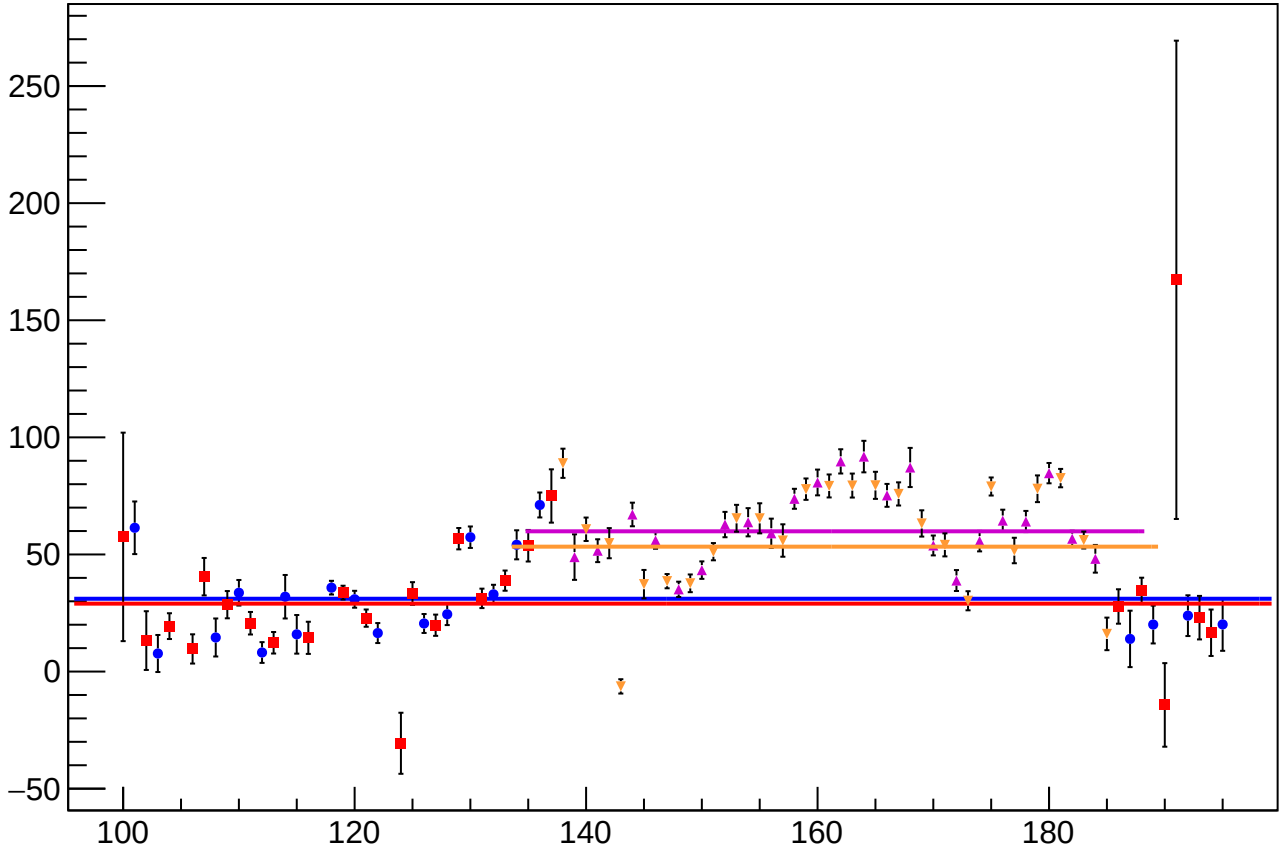
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 188.223+/-0.759 χ^2/NDF: 8550.6/44

All: 195.142+/-0.524 χ^2/NDF: 17618.8/92

- sign 201.440+/-0.725 χ^2/NDF: 8909.6/47

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: 29.003+/-1.137 χ^2/NDF: 151.6/24

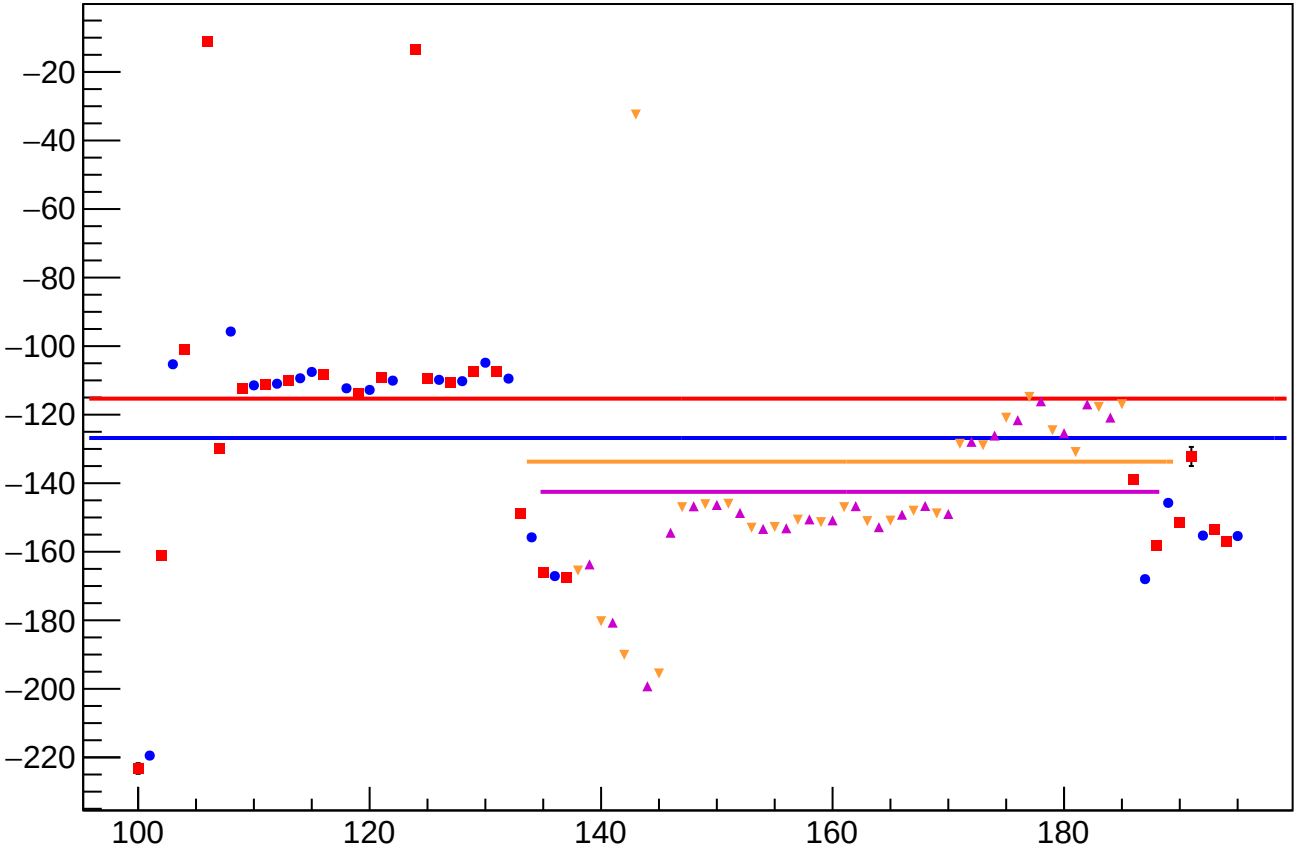
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.897+/-0.726 χ^2/NDF: 1182.6/44

All: 45.816+/-0.519 χ^2/NDF: 2013.1/92

- sign 46.772+/-0.741 χ^2/NDF: 827.2/47

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: -115.321+/-0.067 χ^2/NDF: 440768.9/24

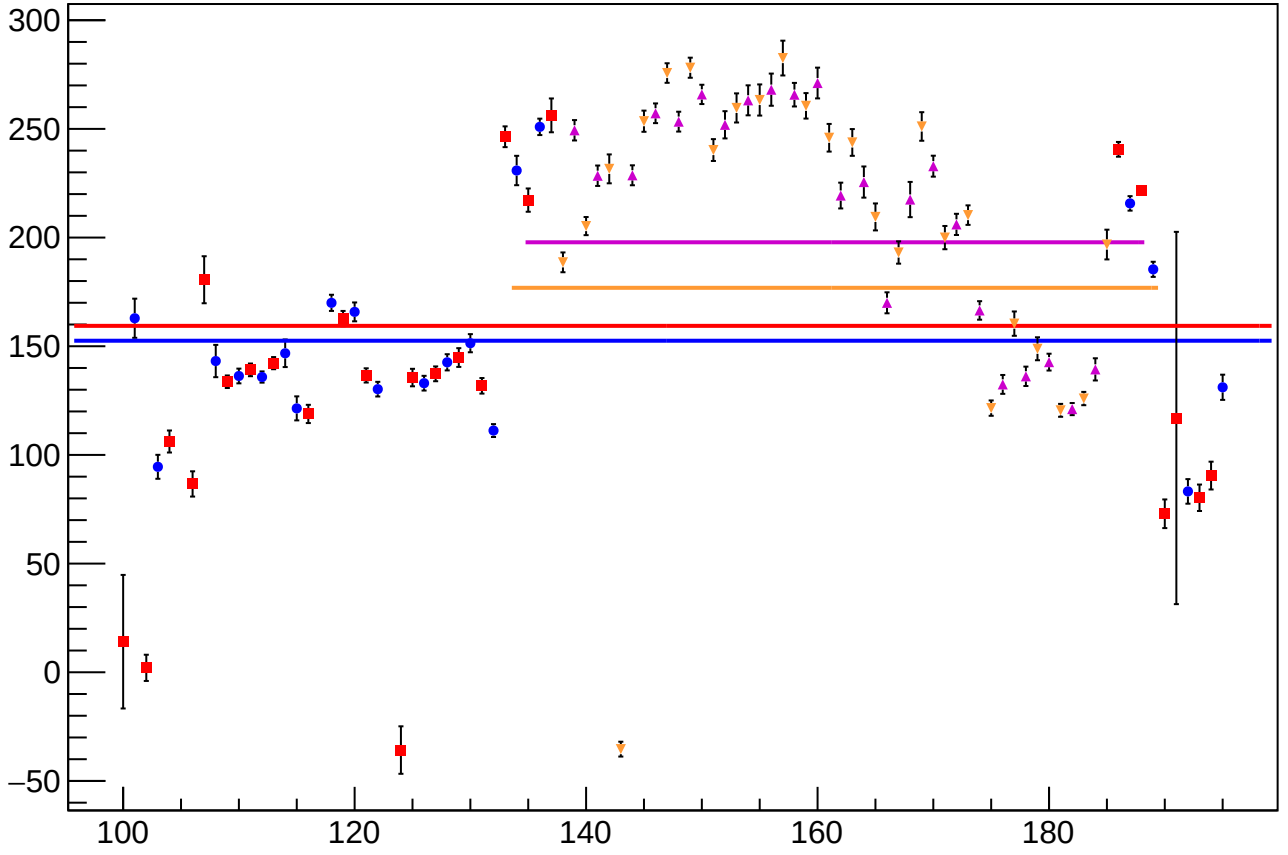
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.910+/-0.037 χ^2/NDF: 831754.3/44

All: -133.048+/-0.026 χ^2/NDF: 1567647.2/92

- sign -134.197+/-0.037 χ^2/NDF: 733974.9/47

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: 159.378+/-0.800 χ^2/NDF: 4605.2/24

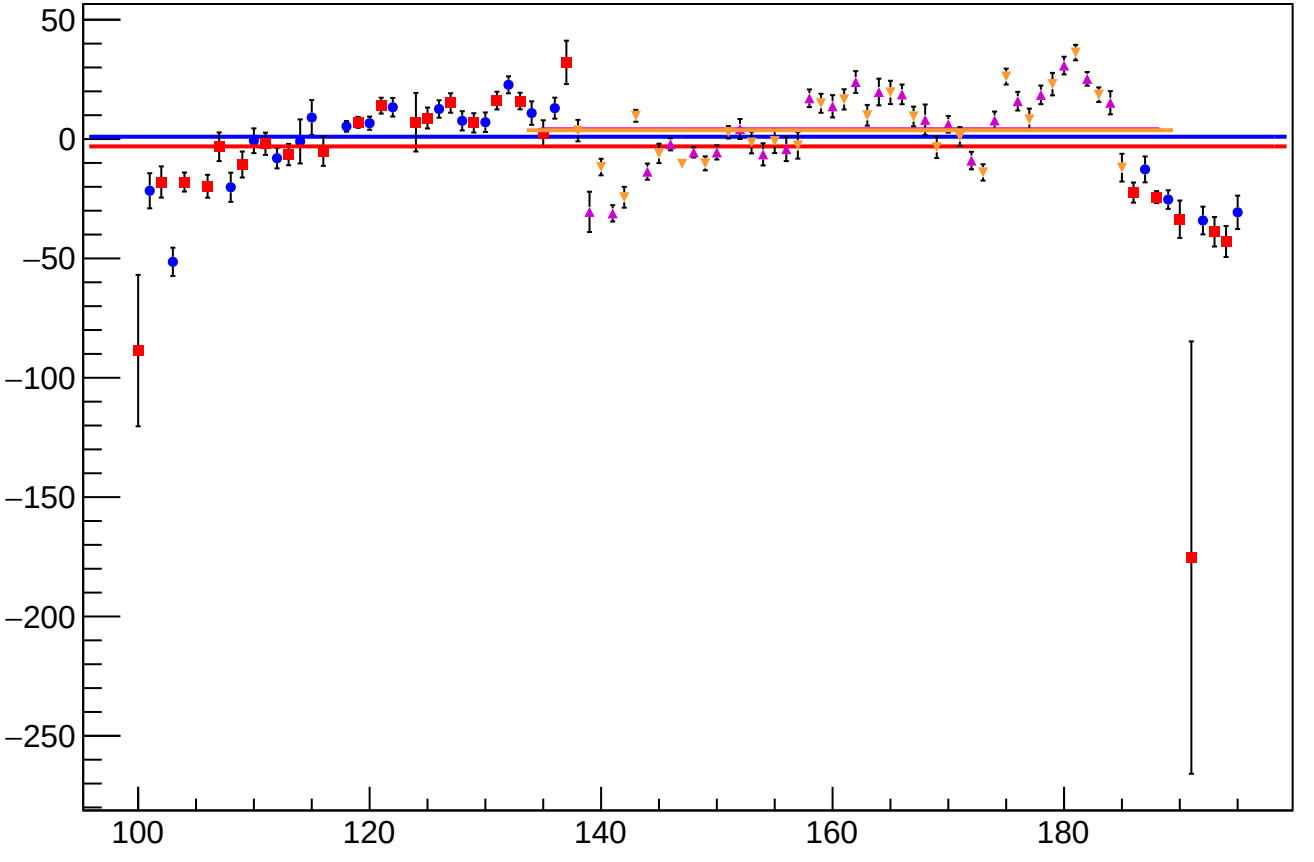
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 163.993+/-0.657 χ^2/NDF: 9712.9/44

All: 169.381+/-0.453 χ^2/NDF: 18309.0/92

- sign 174.280+/-0.626 χ^2/NDF: 8467.6/47

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: -3.069+/-0.891 χ^2/NDF: 376.3/24

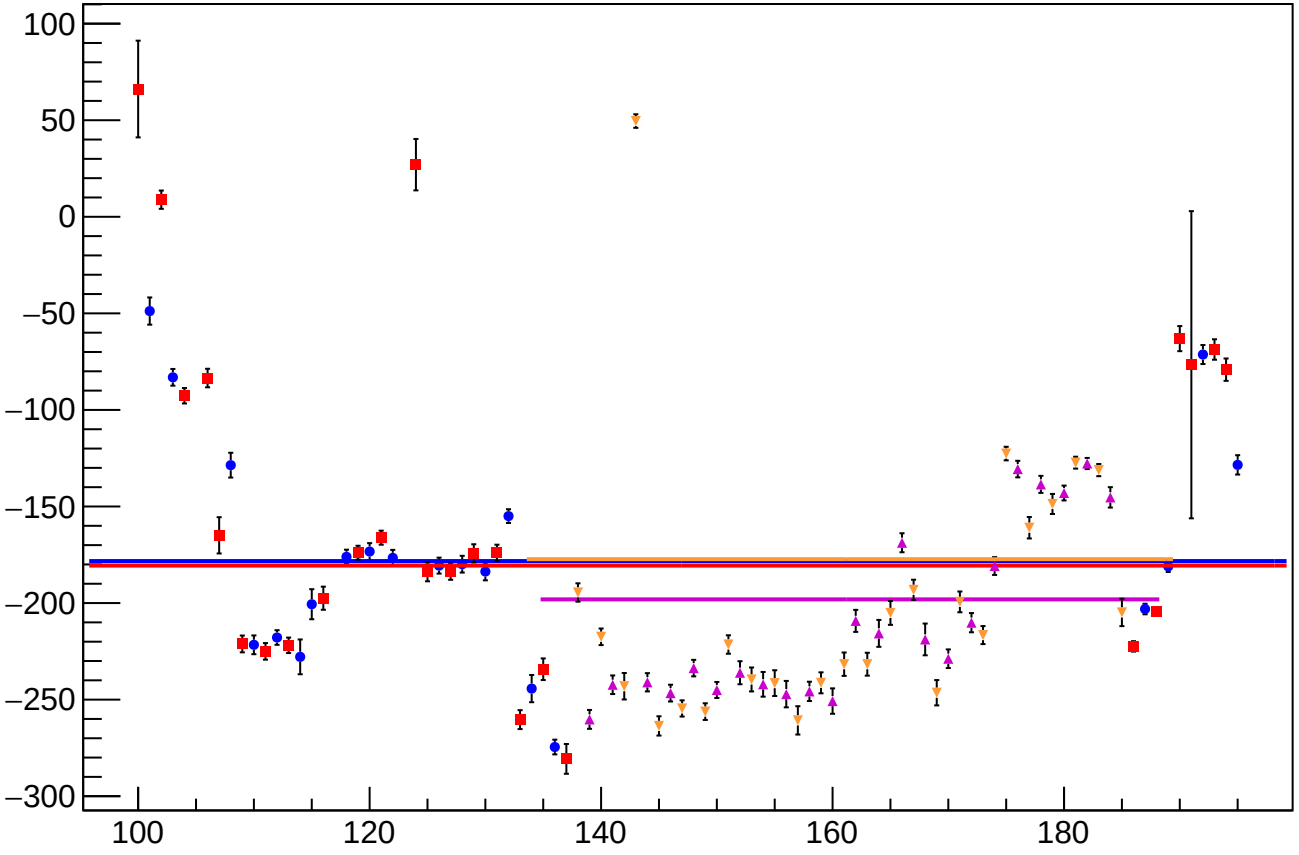
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.708+/-0.575 χ^2/NDF: 702.8/44

All: 1.885+/-0.409 χ^2/NDF: 1519.3/92

- sign 1.043+/-0.582 χ^2/NDF: 812.3/47

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: -180.585+/-0.810 χ^2/NDF: 5300.7/24

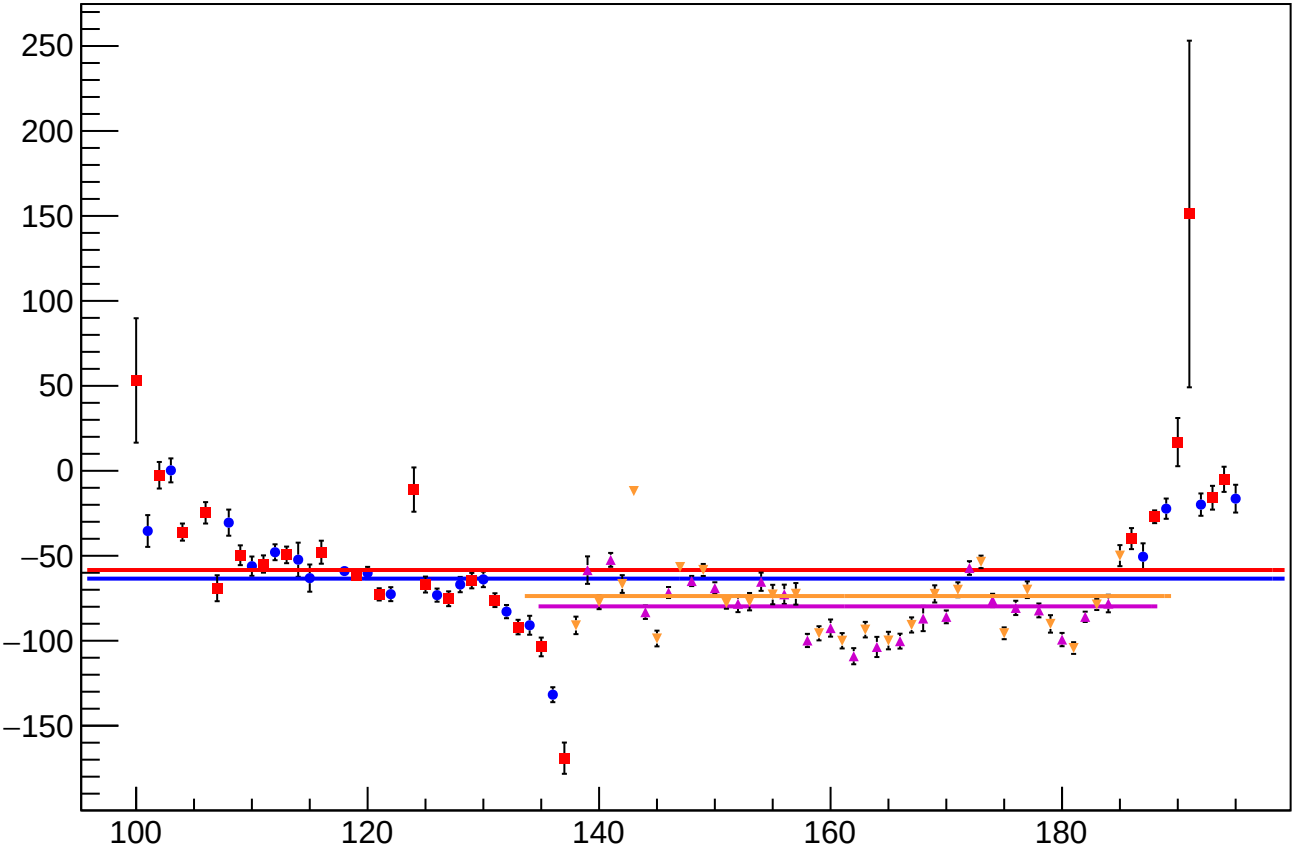
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -177.767+/-0.678 χ^2/NDF: 9576.0/44

All: -183.003+/-0.461 χ^2/NDF: 17559.1/92

- sign -187.523+/-0.630 χ^2/NDF: 7871.9/47

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: -58.381+/-1.069 χ^2/NDF: 662.1/24

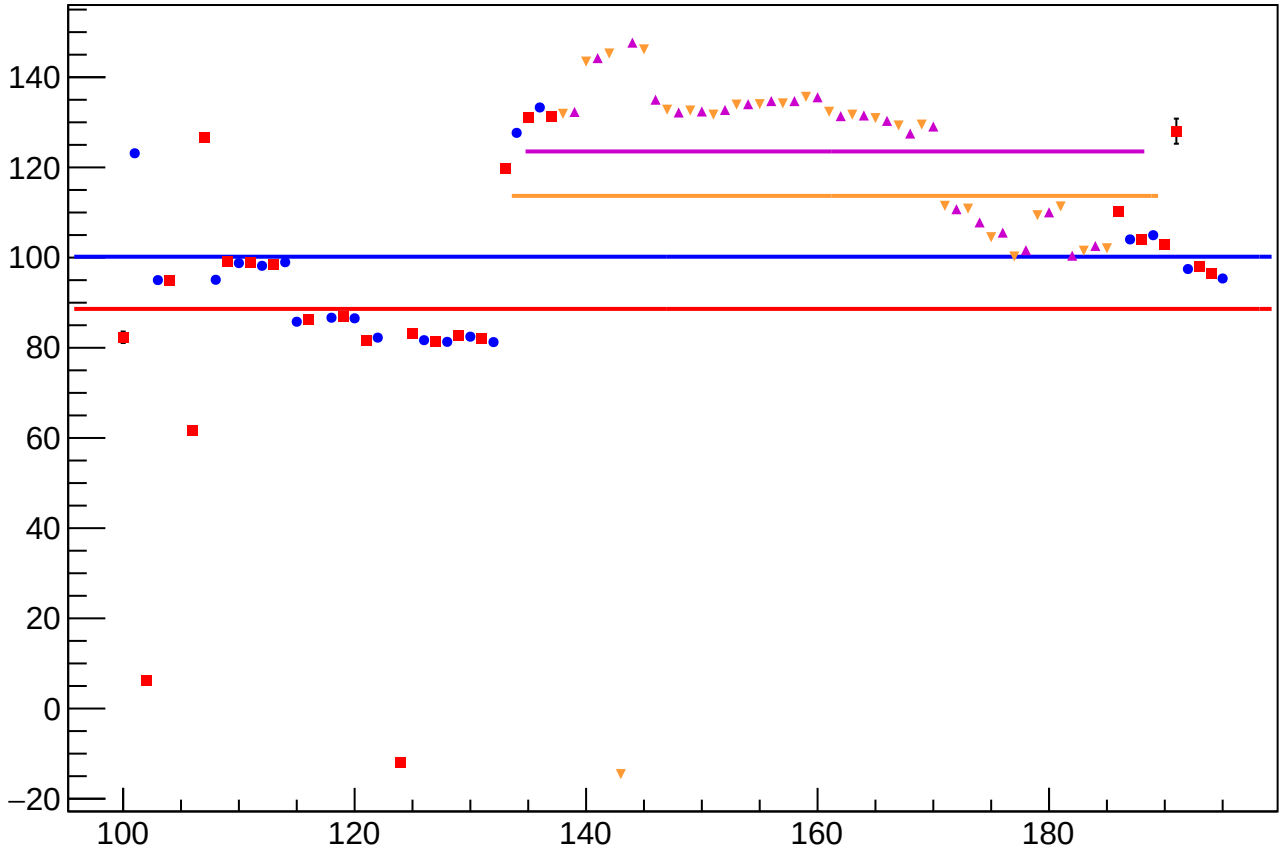
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.072+/-0.666 χ^2/NDF: 1448.5/44

All: -70.628+/-0.475 χ^2/NDF: 2629.3/92

- sign -71.202+/-0.677 χ^2/NDF: 1179.4/47

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: 88.622+/-0.059 χ^2/NDF: 280740.3/24

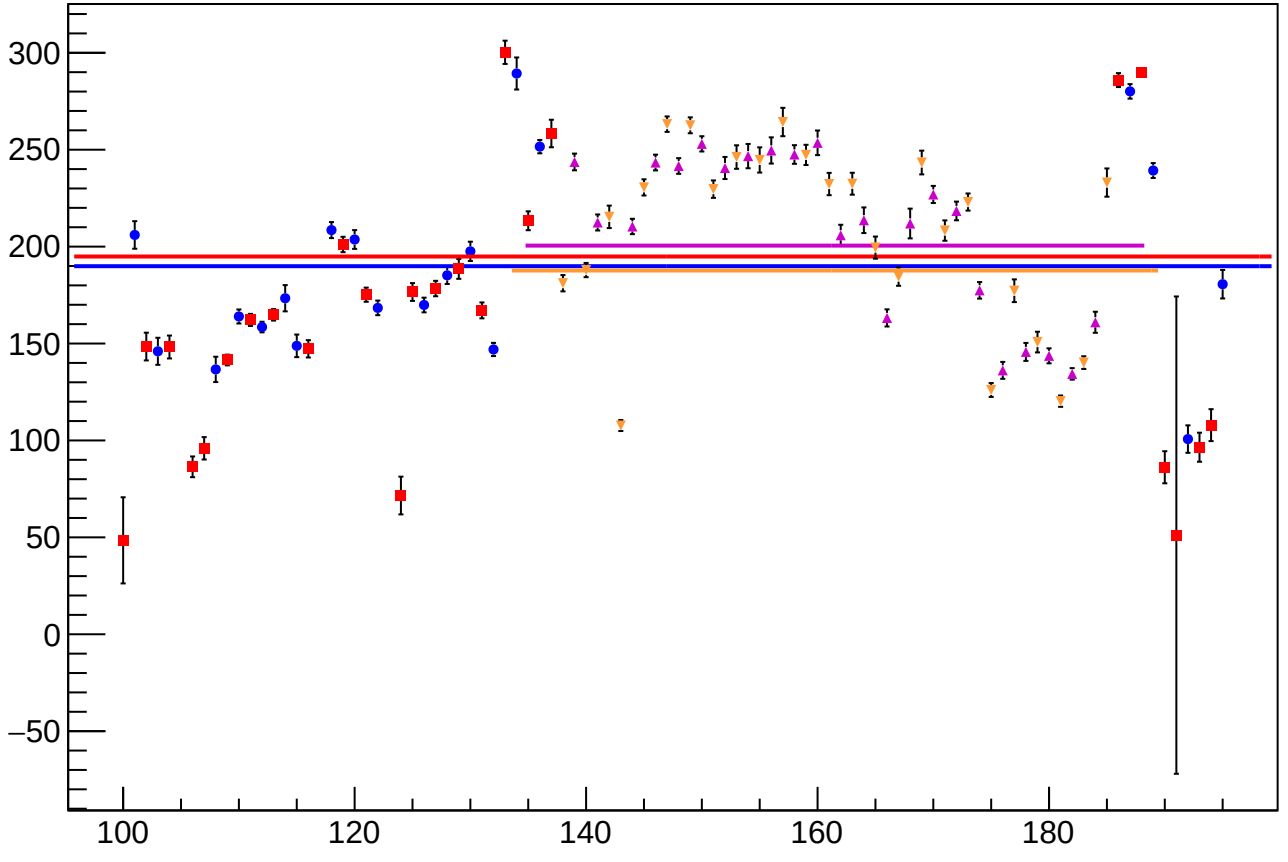
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.162+/-0.033 χ^2/NDF: 1063878.8/44

All: 111.430+/-0.023 χ^2/NDF: 1723451.8/92

- sign 112.693+/-0.033 χ^2/NDF: 656621.0/47

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: 194.895+/-0.864 χ^2/NDF: 5624.7/24

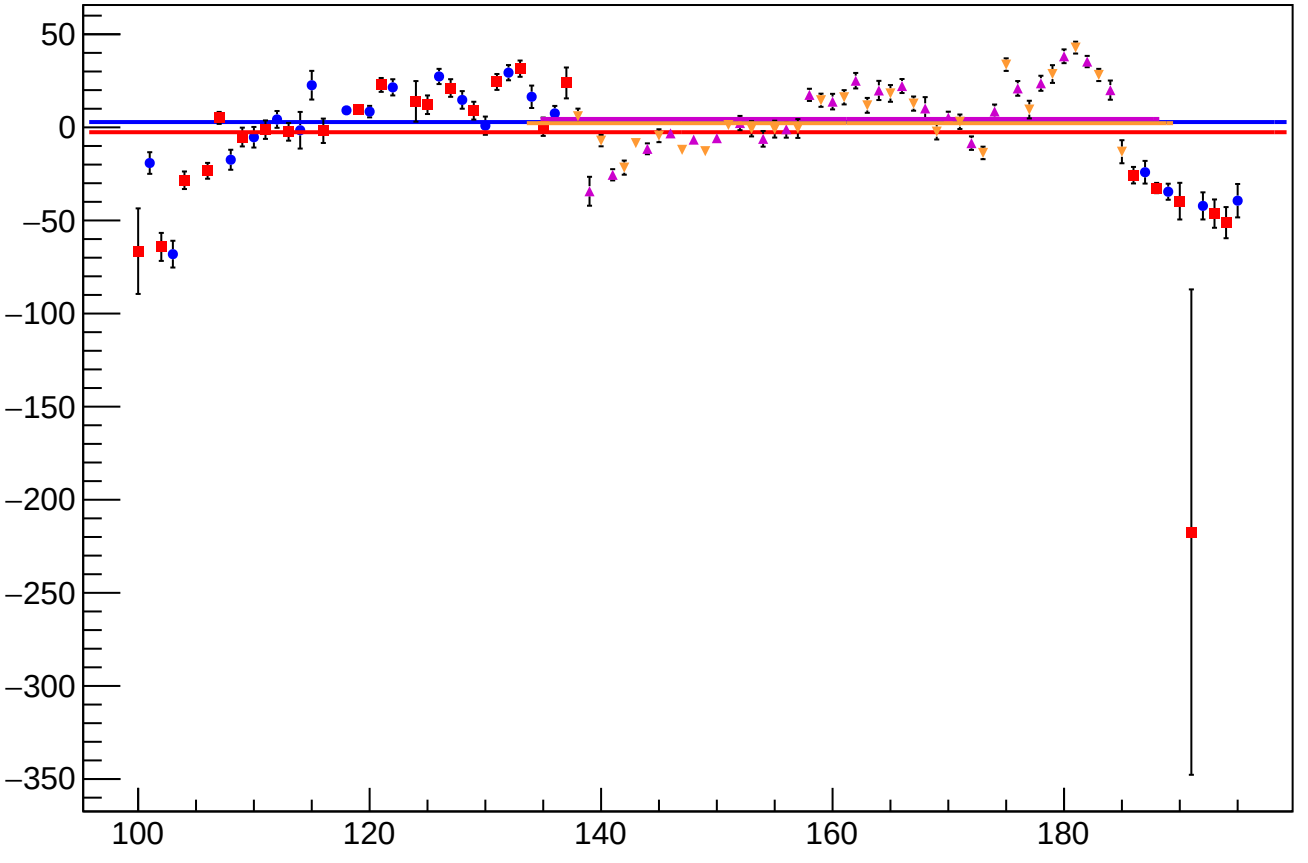
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92

- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47

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: -2.606+/-0.949 χ^2/NDF: 586.4/24

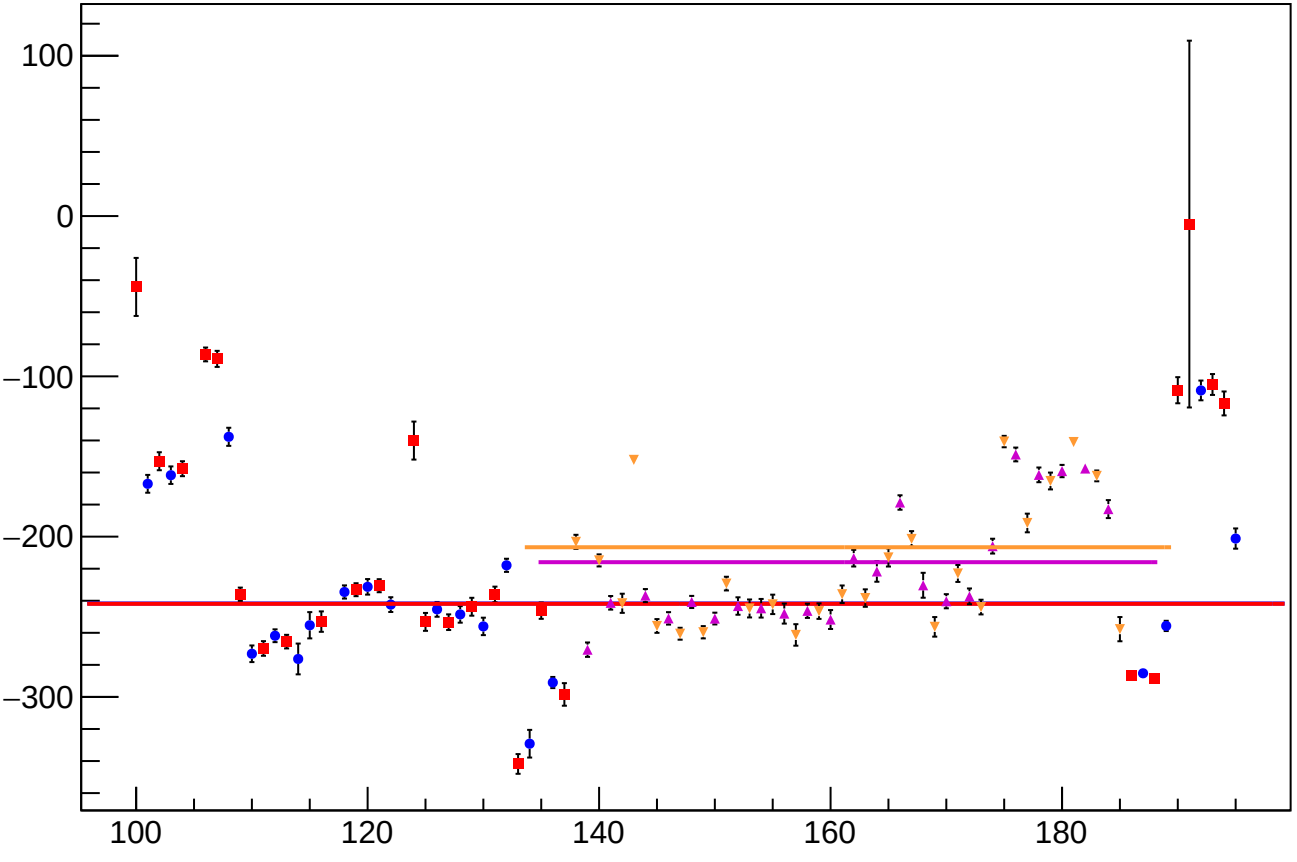
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.419+/-0.560 χ^2/NDF: 1010.1/44

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92

- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47

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

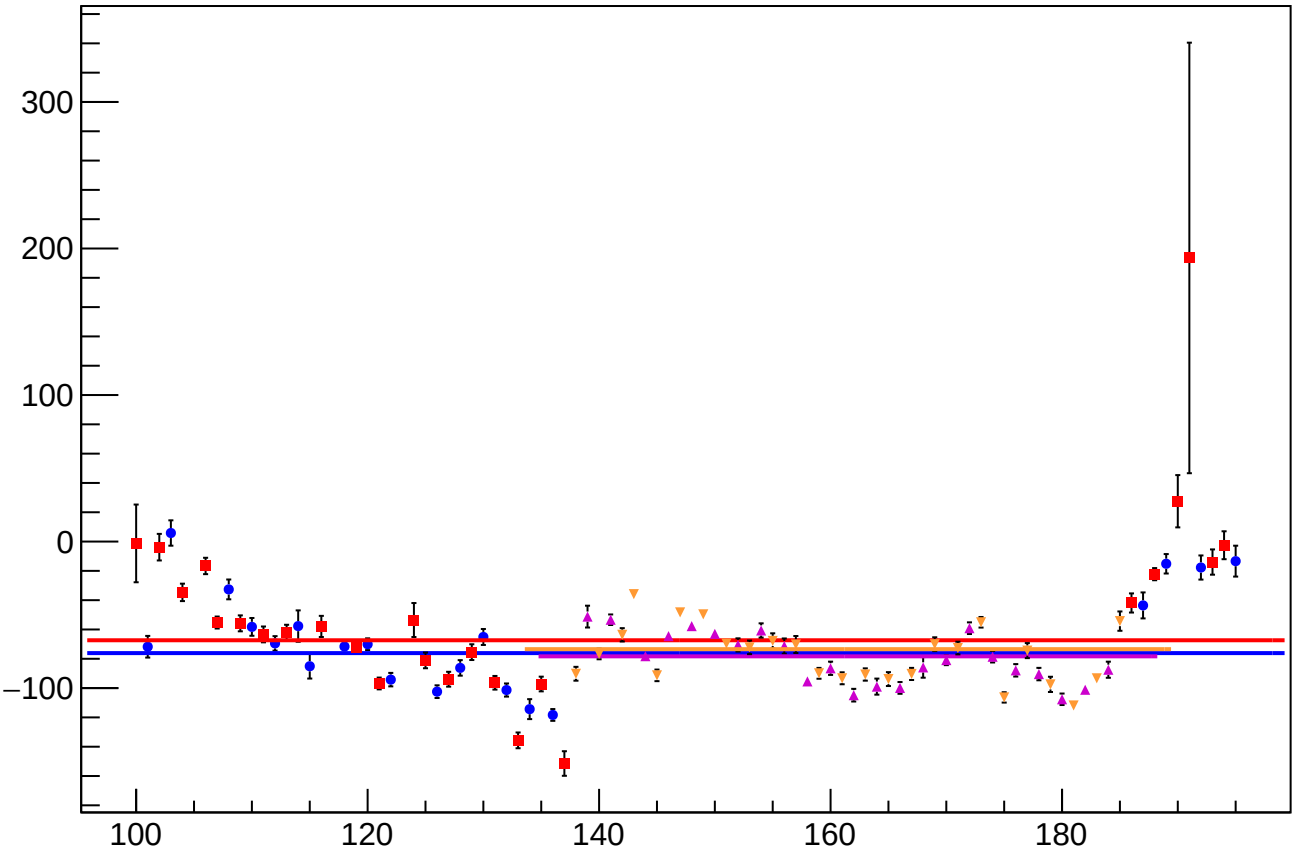
Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.853+/-0.468 χ^2/NDF: 12737.1/92

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

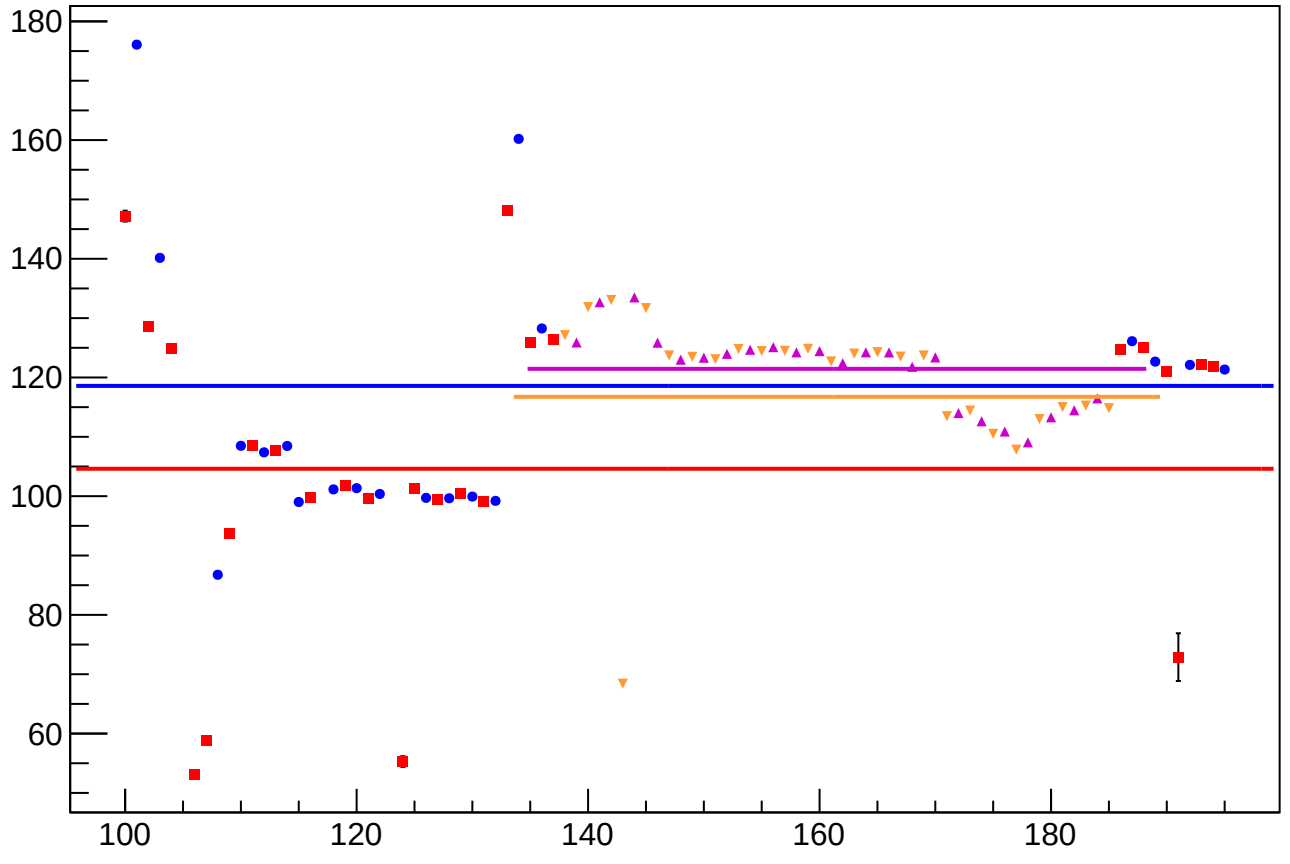
Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47



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: 104.620+/-0.062 χ^2/NDF: 190485.7/24

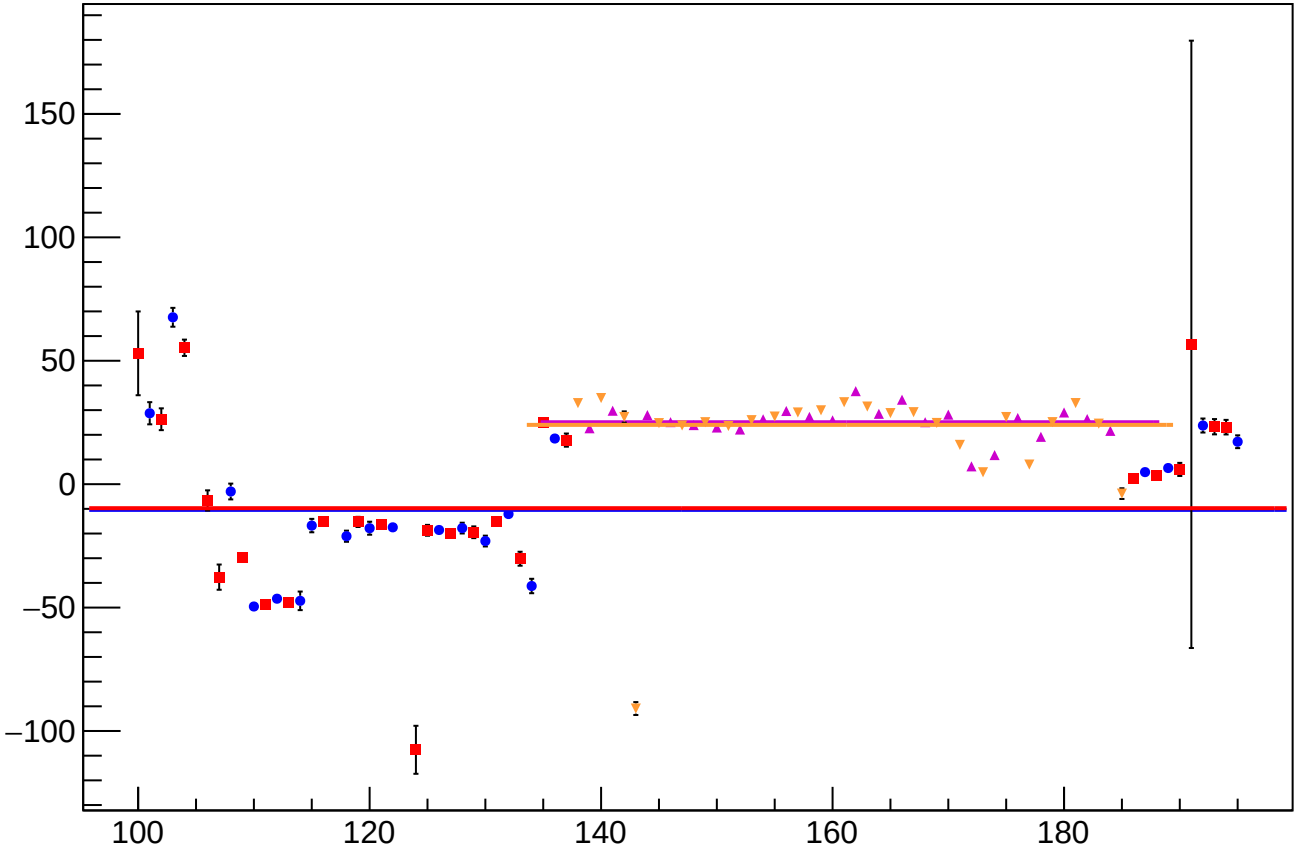
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47

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: -9.730+/-0.428 χ^2/NDF: 2882.1/24

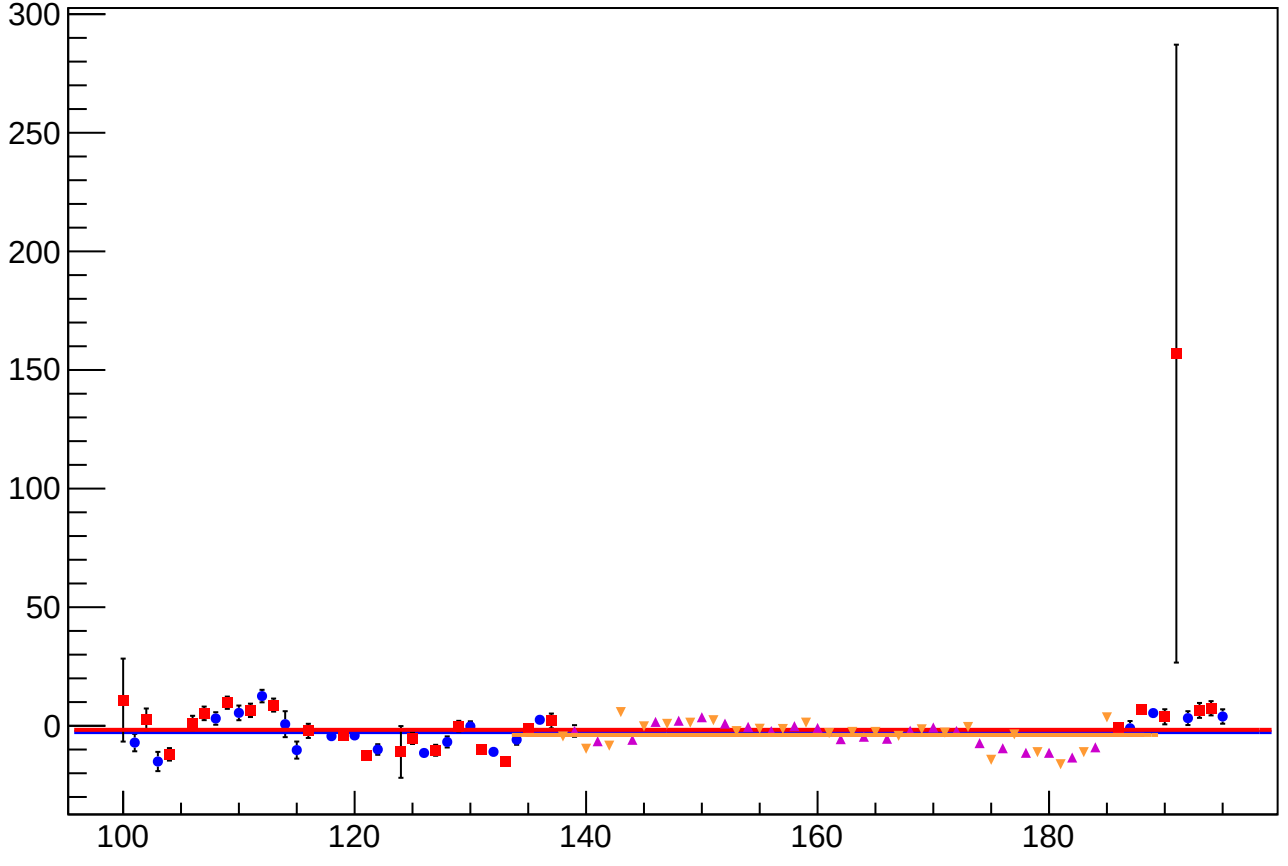
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 15.294+/-0.244 χ^2/NDF: 9196.3/44

All: 14.779+/-0.170 χ^2/NDF: 17143.1/92

\- sign 14.285+/-0.239 χ^2/NDF: 7938.0/47

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: -1.696+/-0.481 χ^2/NDF: 229.2/24

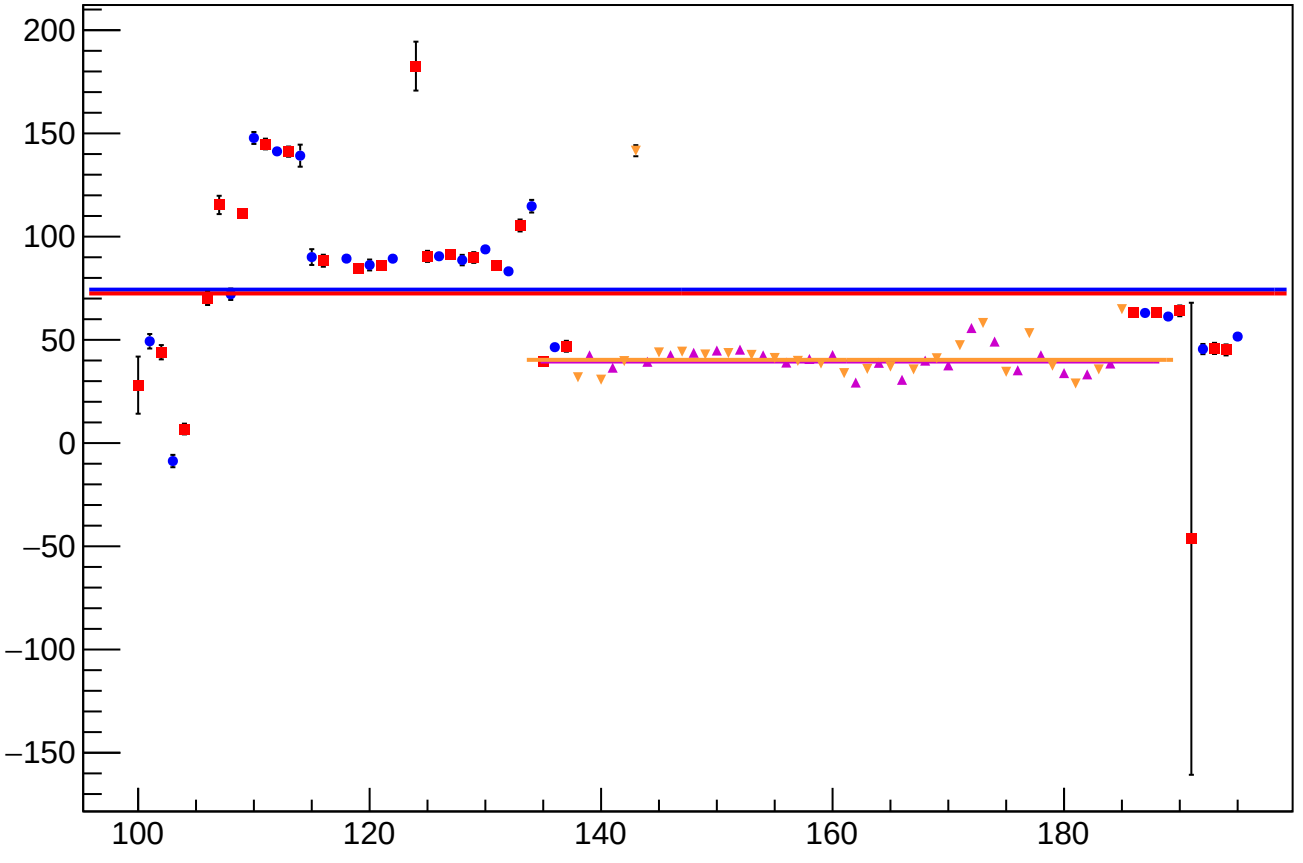
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.662+/-0.200 χ^2/NDF: 804.8/44

All: -3.537+/-0.143 χ^2/NDF: 1560.1/92

- sign -3.410+/-0.203 χ^2/NDF: 754.5/47

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

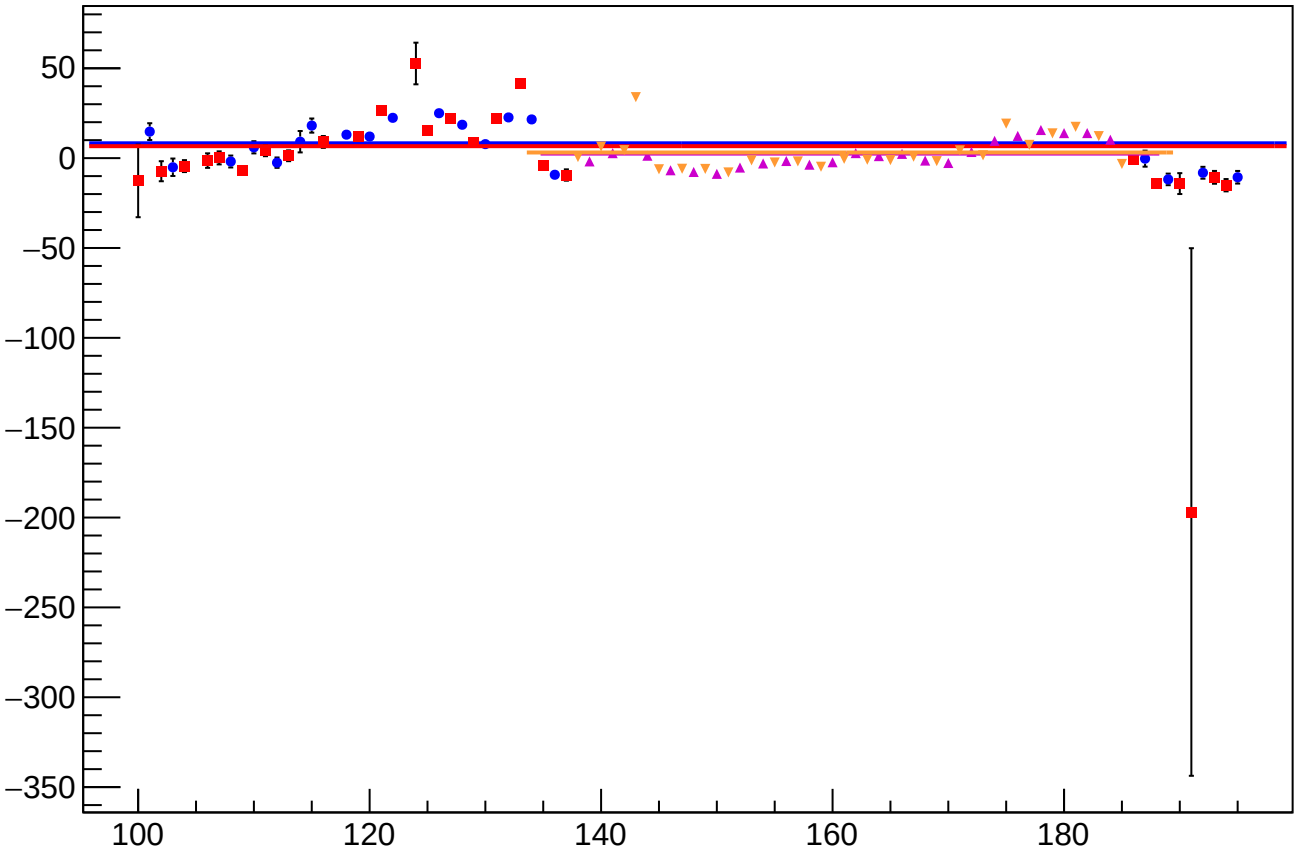
Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.223+/-0.245 χ^2/NDF: 9320.2/44

All: 48.916+/-0.171 χ^2/NDF: 17834.1/92

- sign 49.564+/-0.237 χ^2/NDF: 8498.4/47



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

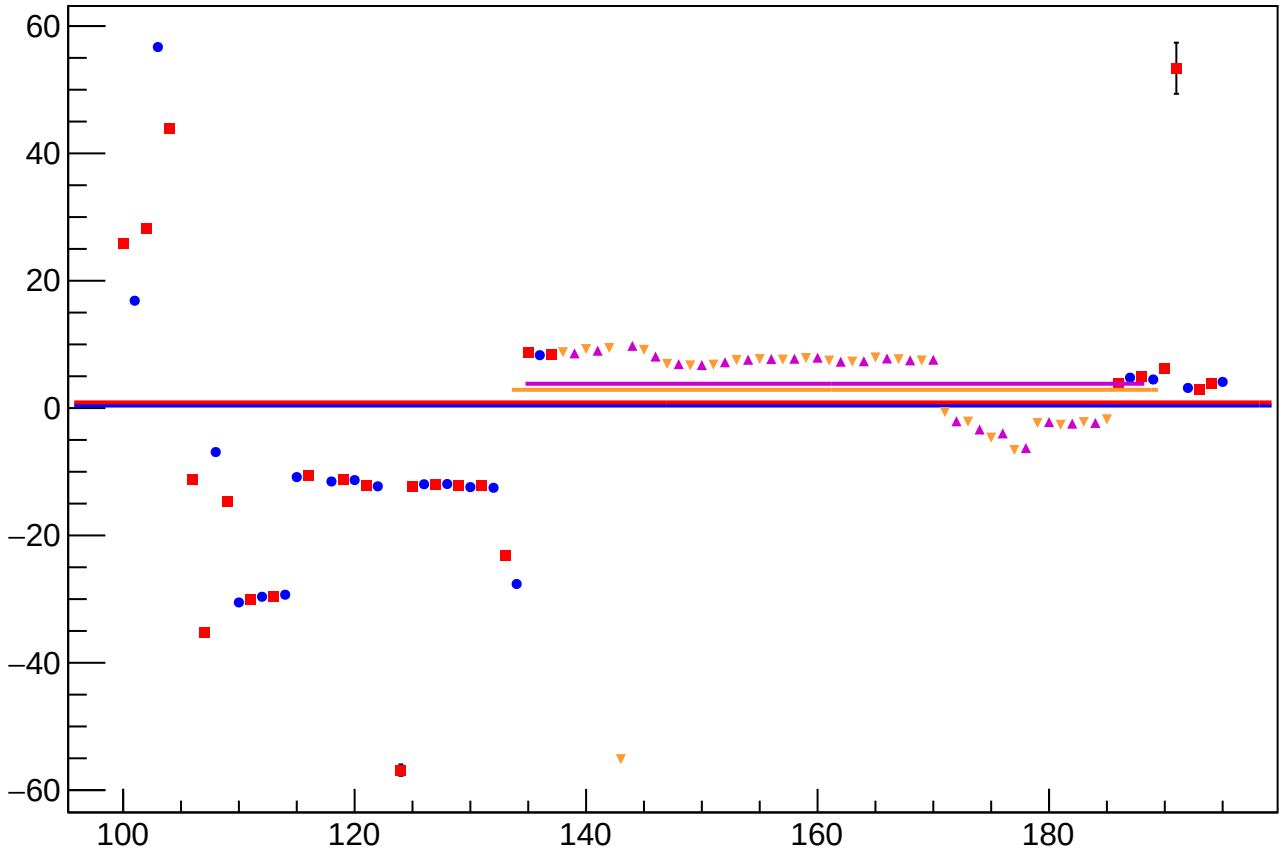
Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.894+/-0.227 χ^2/NDF: 1798.0/44

All: 3.543+/-0.161 χ^2/NDF: 3497.5/92

- sign 3.181+/-0.230 χ^2/NDF: 1694.7/47



Right In: 0.401+/-0.031 χ^2/NDF: 372213.9/19

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

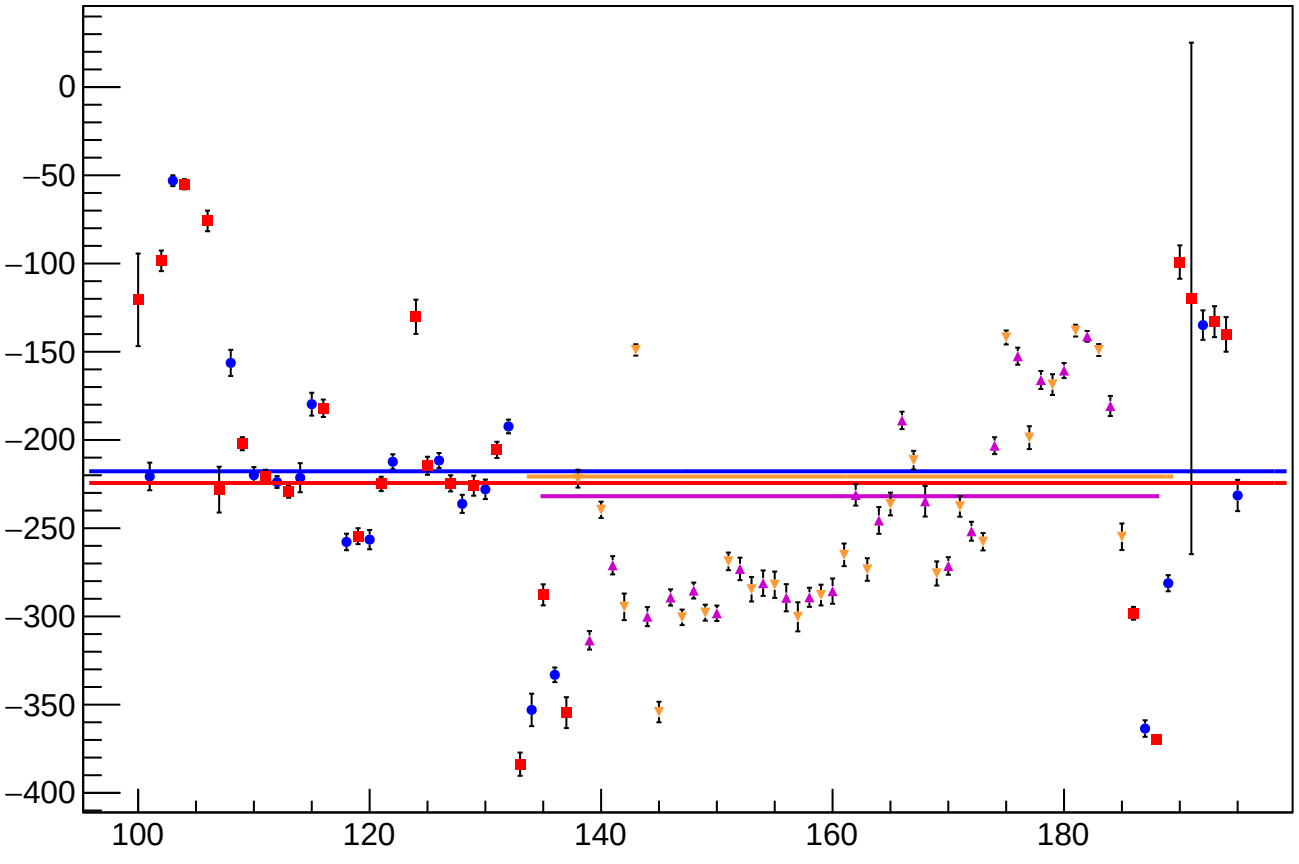
Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.597+/-0.010 χ^2/NDF: 890135.8/44

All: 3.039+/-0.007 χ^2/NDF: 1457127.0/92

- sign 3.489+/-0.010 χ^2/NDF: 563315.7/47



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: -224.363+/-0.969 χ^2/NDF: 9936.7/24

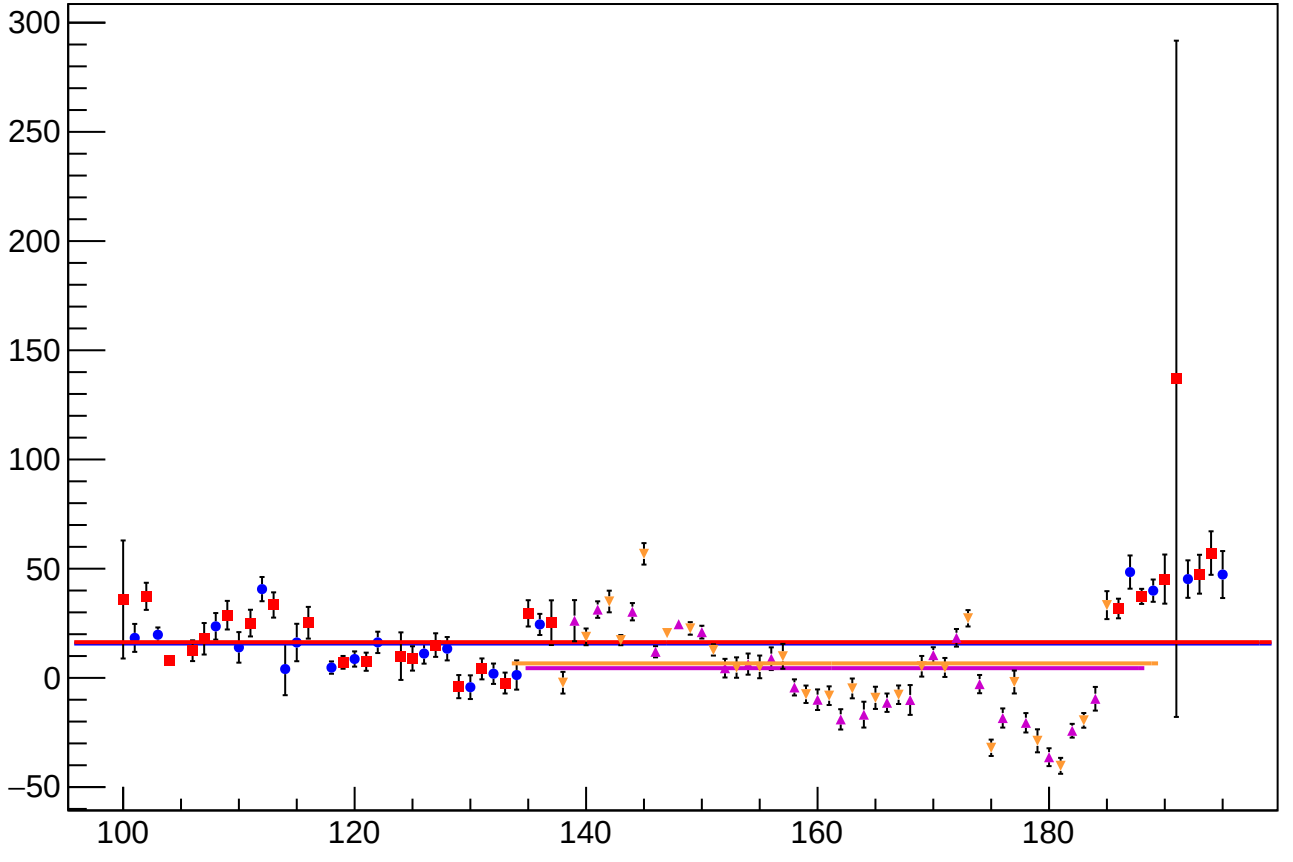
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -219.343+/-0.746 χ^2/NDF: 9480.2/44

All: -223.678+/-0.518 χ^2/NDF: 22669.4/92

\- sign -227.723+/-0.720 χ^2/NDF: 13123.9/47

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

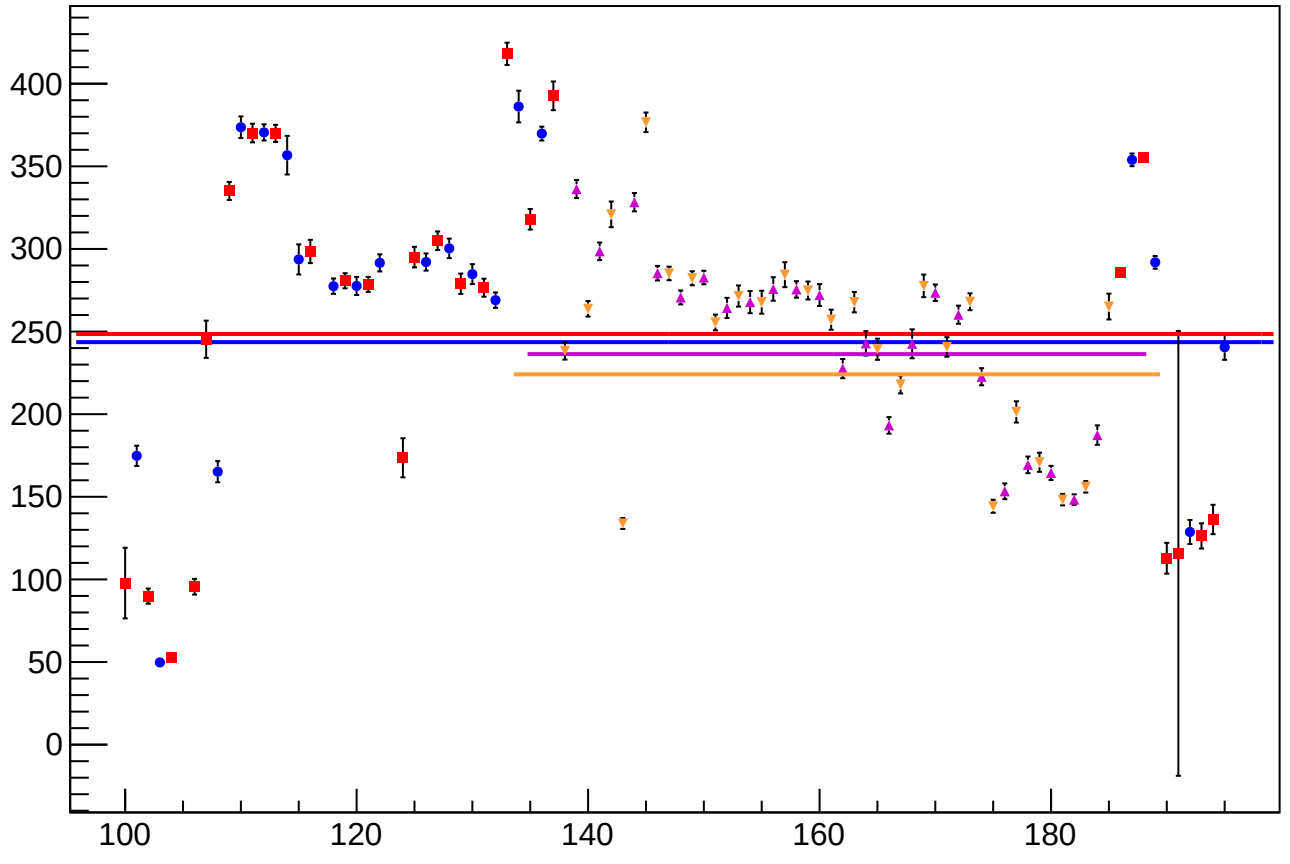
Right Out: 16.354+/-1.021 χ^2/NDF: 185.6/24

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.400+/-0.628 χ^2/NDF: 916.0/44

All: 9.214+/-0.446 χ^2/NDF: 1752.5/92

- sign 9.024+/-0.633 χ^2/NDF: 836.4/47



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: 248.542+/-0.950 χ^2/NDF: 16055.1/24

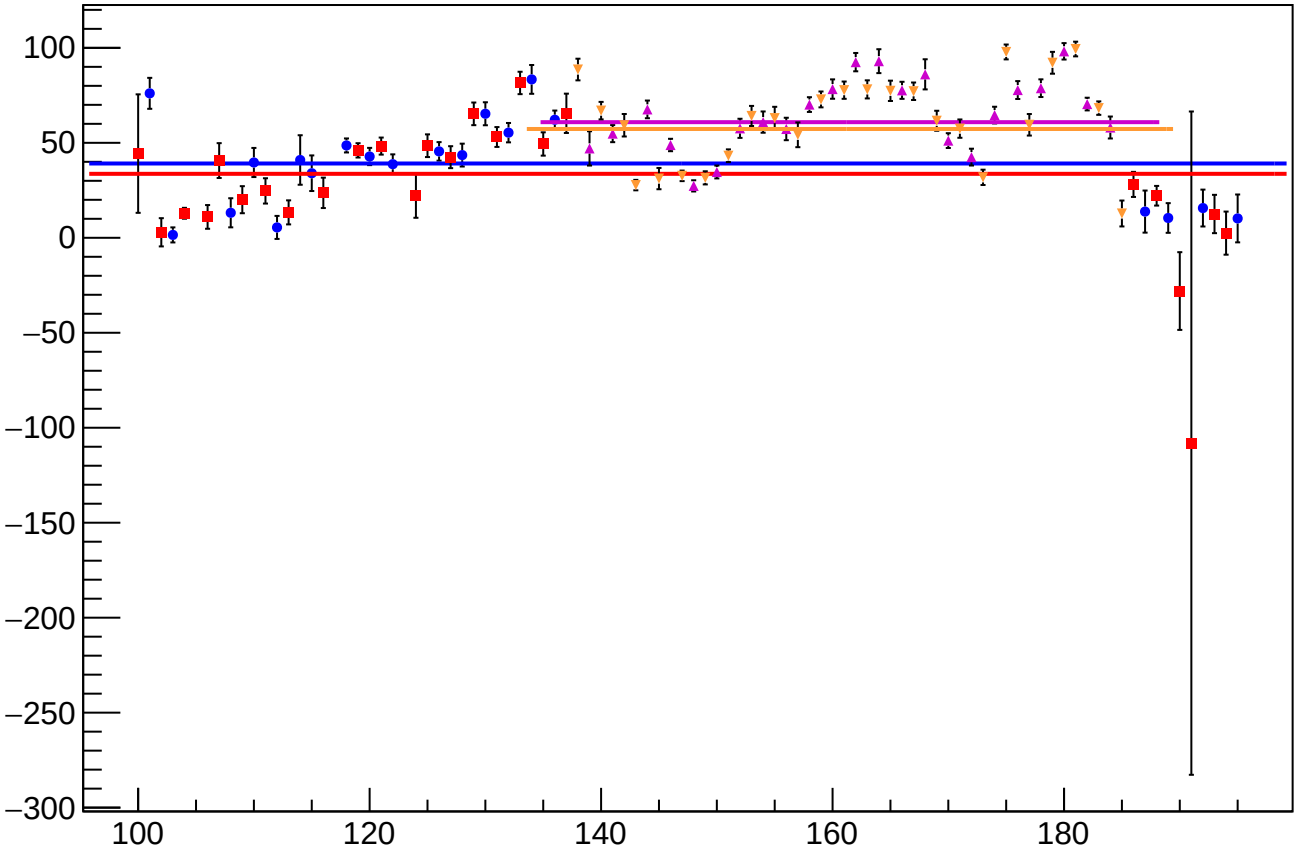
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.916+/-0.751 χ^2/NDF: 14854.8/44

All: 238.320+/-0.516 χ^2/NDF: 34073.9/92

- sign 243.146+/-0.709 χ^2/NDF: 19121.0/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 39.118+/-1.344 χ^2/NDF: 278.0/19

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

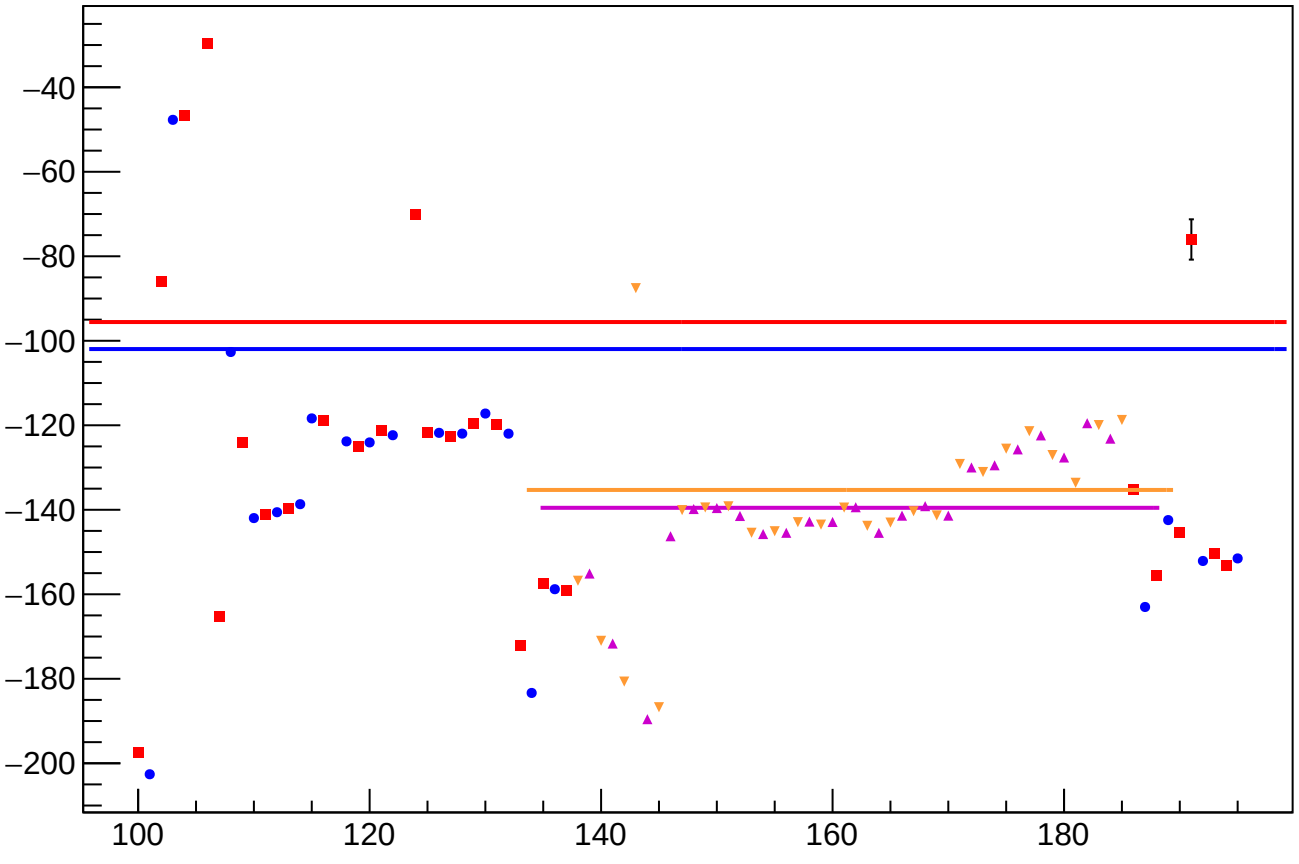
Right Out: 33.679+/-1.234 χ^2/NDF: 282.9/24

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.941+/-0.729 χ^2/NDF: 1174.8/44

All: 51.538+/-0.519 χ^2/NDF: 2224.7/92

- sign 51.124+/-0.739 χ^2/NDF: 1049.3/47



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: -95.564+/-0.062 χ^2/NDF: 627262.8/24

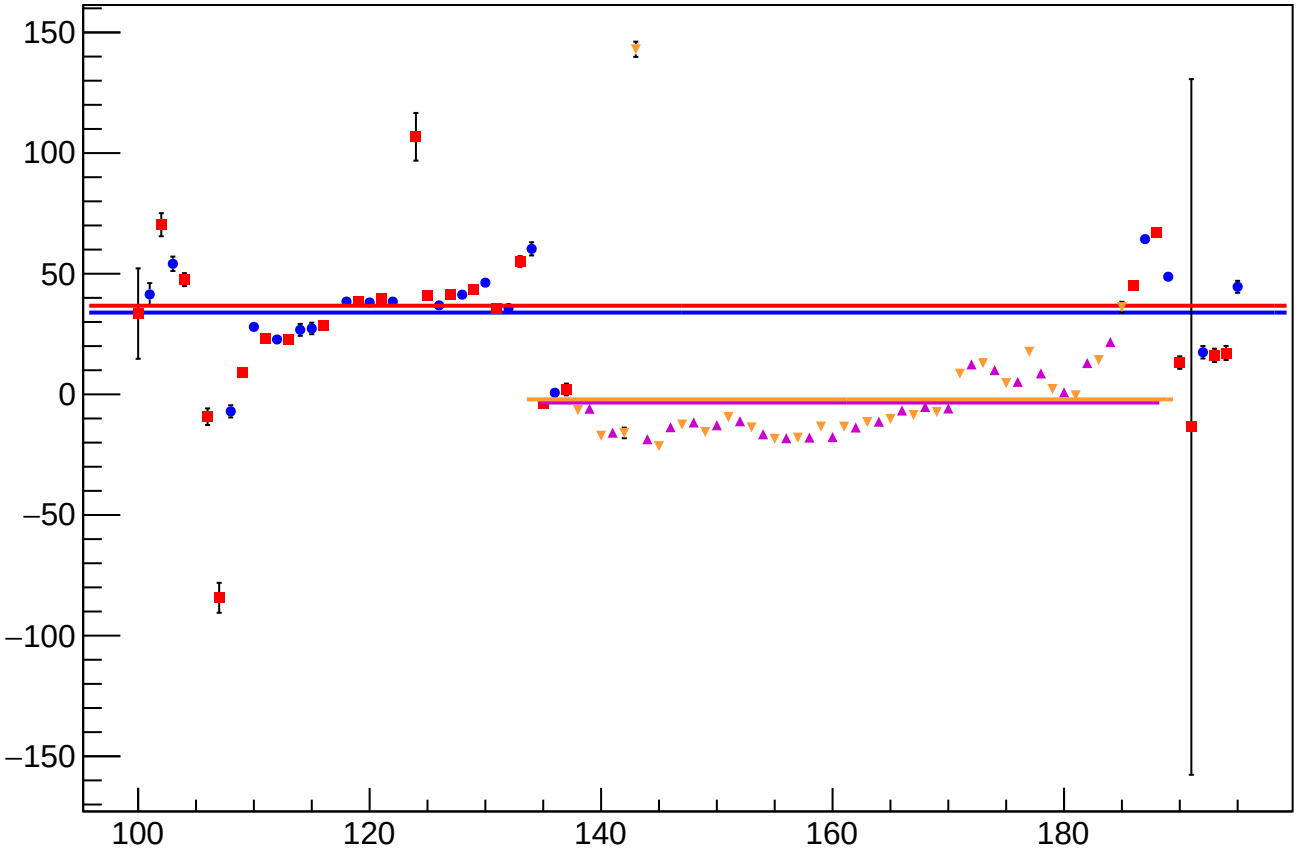
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.997+/-0.034 χ^2/NDF: 1046017.9/44

All: -125.777+/-0.024 χ^2/NDF: 2134507.8/92

- sign -125.552+/-0.035 χ^2/NDF: 1088407.1/47

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

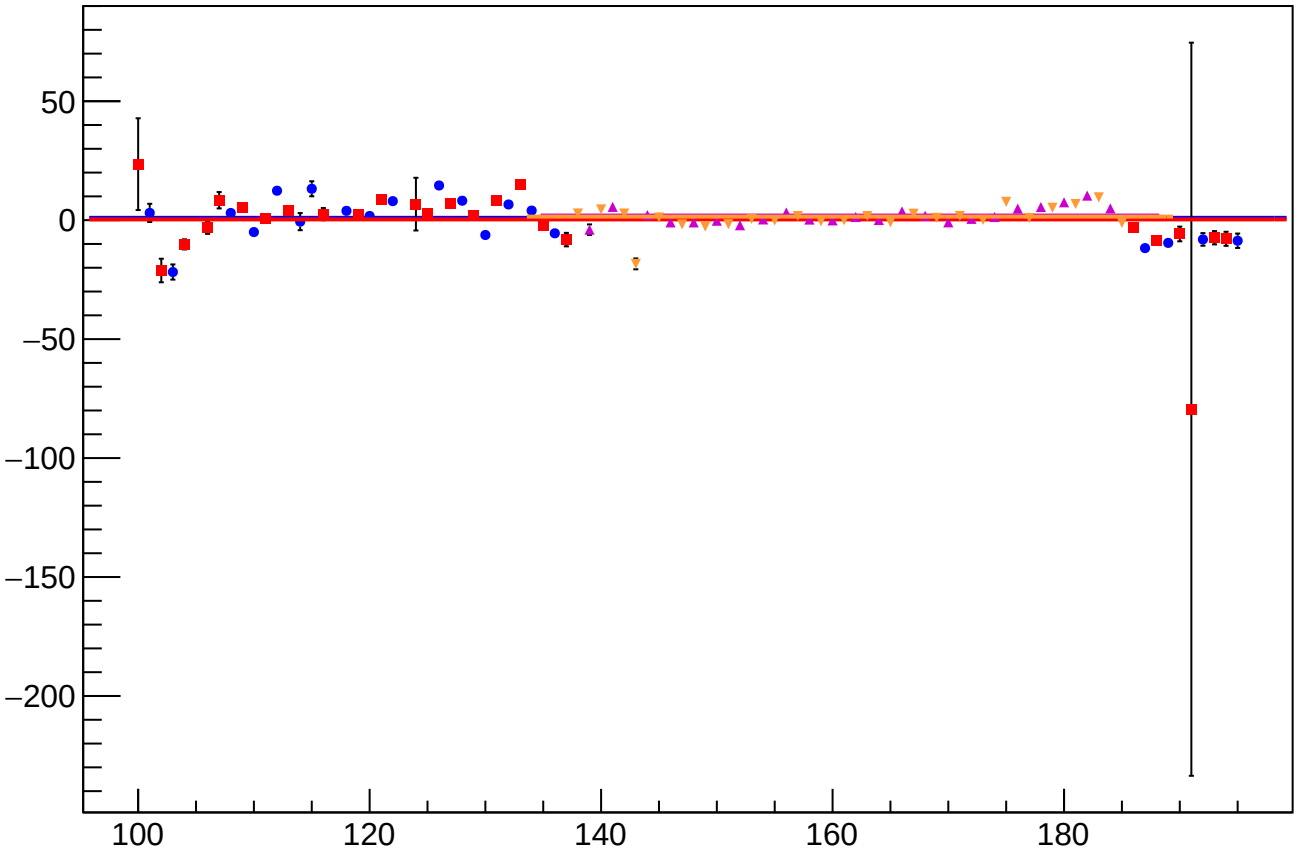
Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 9.902+/-0.218 χ^2/NDF: 12477.0/44

All: 11.597+/-0.150 χ^2/NDF: 27844.1/92

\- sign 13.142+/-0.208 χ^2/NDF: 15251.3/47



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

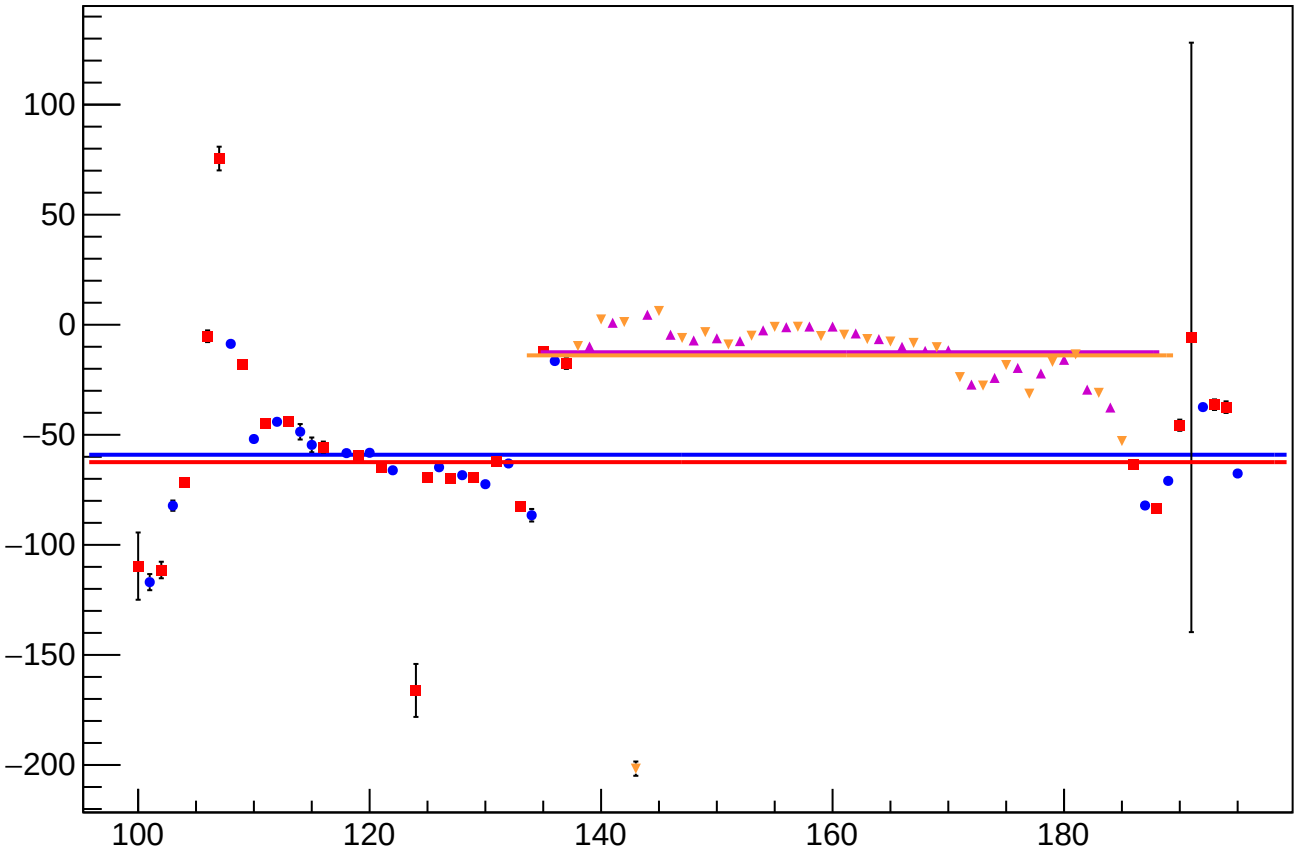
Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.386+/-0.183 χ^2/NDF: 706.3/44

All: 1.466+/-0.130 χ^2/NDF: 1296.3/92

- sign 1.547+/-0.183 χ^2/NDF: 589.6/47



Right In: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

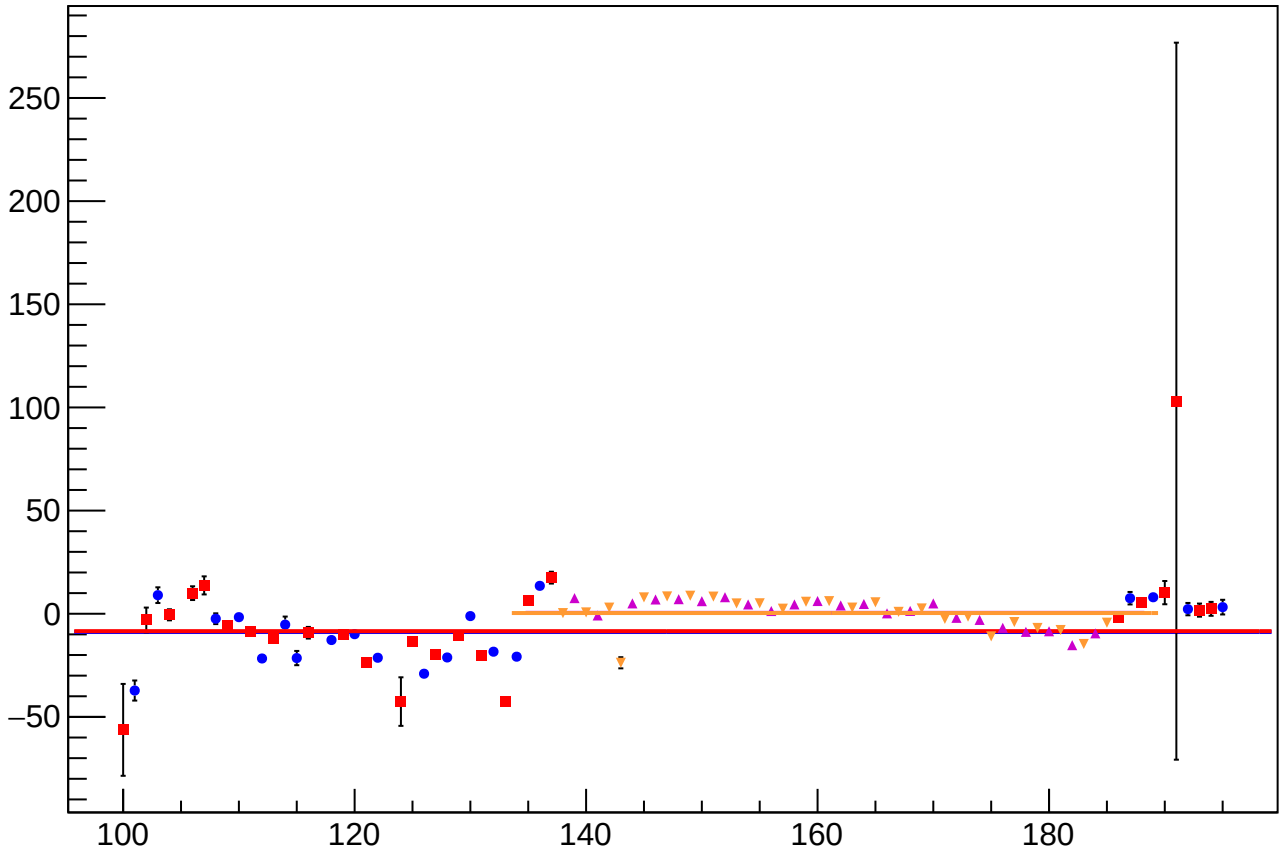
Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.744+/-0.220 χ^2/NDF: 17258.2/44

All: -30.570+/-0.151 χ^2/NDF: 38390.8/92

- sign -33.040+/-0.206 χ^2/NDF: 20824.7/47



Right In: -8.855+/-0.477 χ^2/NDF: 786.8/19

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

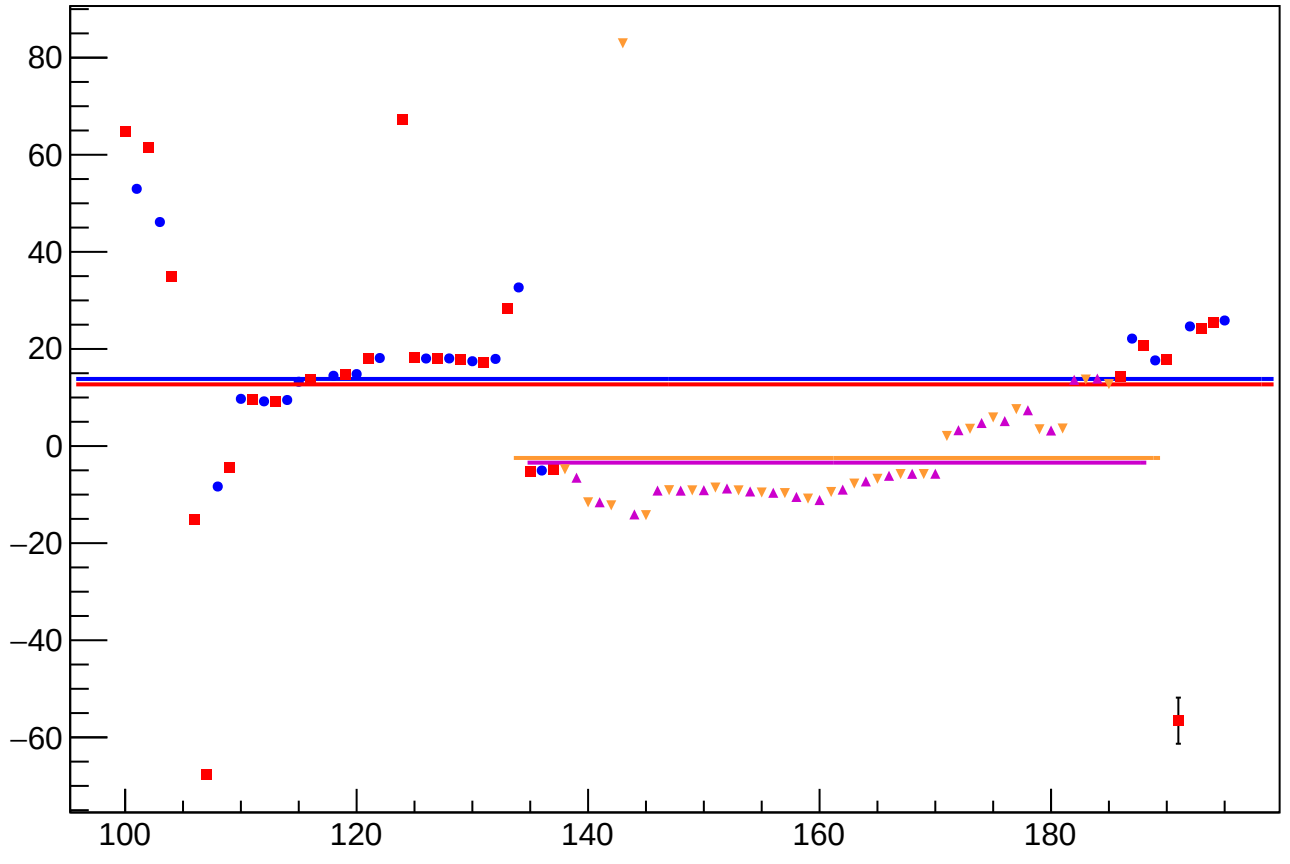
Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.409+/-0.208 χ^2/NDF: 2010.2/44

All: -1.434+/-0.148 χ^2/NDF: 3924.4/92

\- sign -1.459+/-0.210 χ^2/NDF: 1914.1/47



Right In: 13.824+/-0.026 χ^2/NDF: 385528.7/19

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

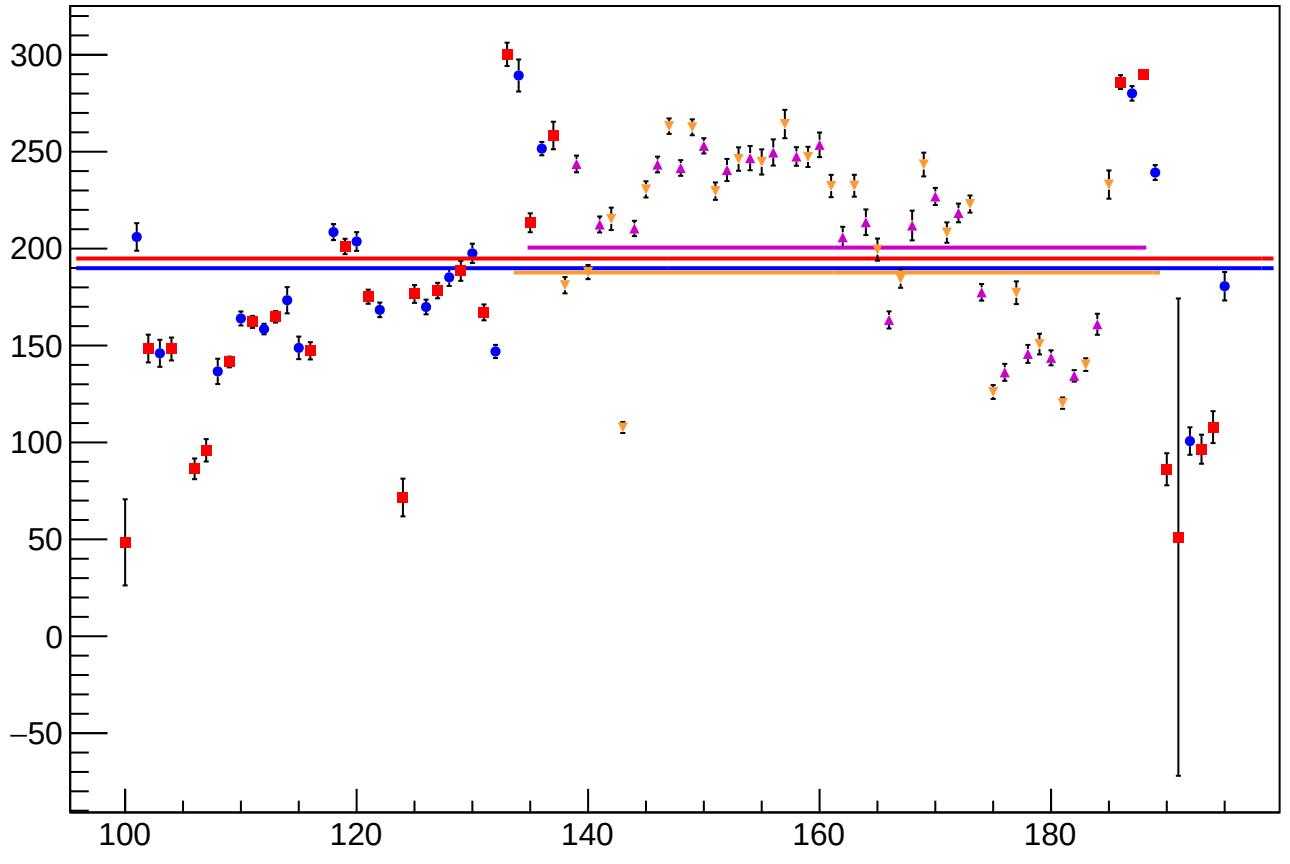
Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -0.283+/-0.010 χ^2/NDF: 1676827.8/44

All: -0.721+/-0.007 χ^2/NDF: 3055452.4/92

\- sign -1.163+/-0.010 χ^2/NDF: 1374472.1/47



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: 194.895+/-0.864 χ^2/NDF: 5624.7/24

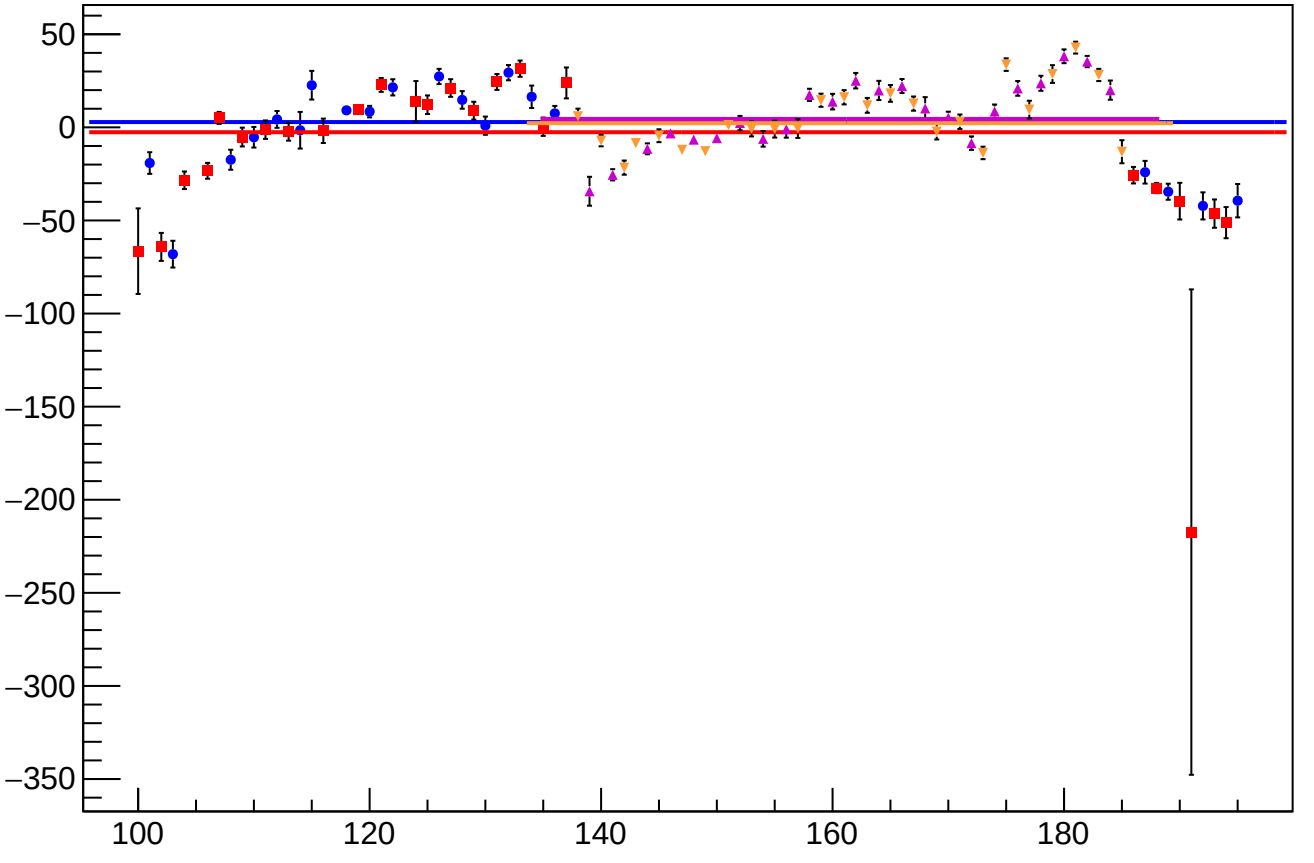
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92

- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47

reg_asym_at1_avg_at2_avg_dd_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: -2.606+/-0.949 χ^2/NDF: 586.4/24

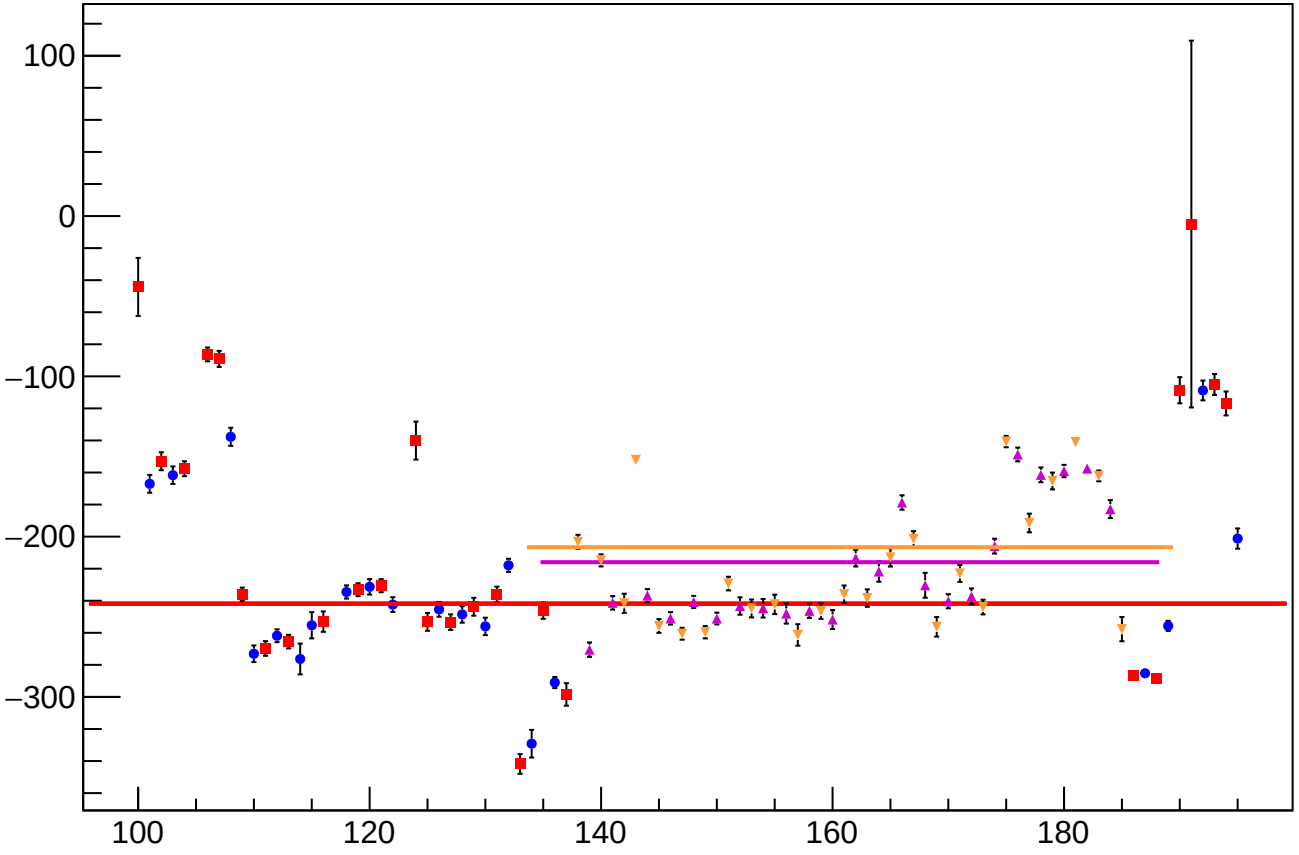
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.419+/-0.560 χ^2/NDF: 1010.1/44

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92

- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47

reg_asym_at1_avg_at2_avg_dd_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

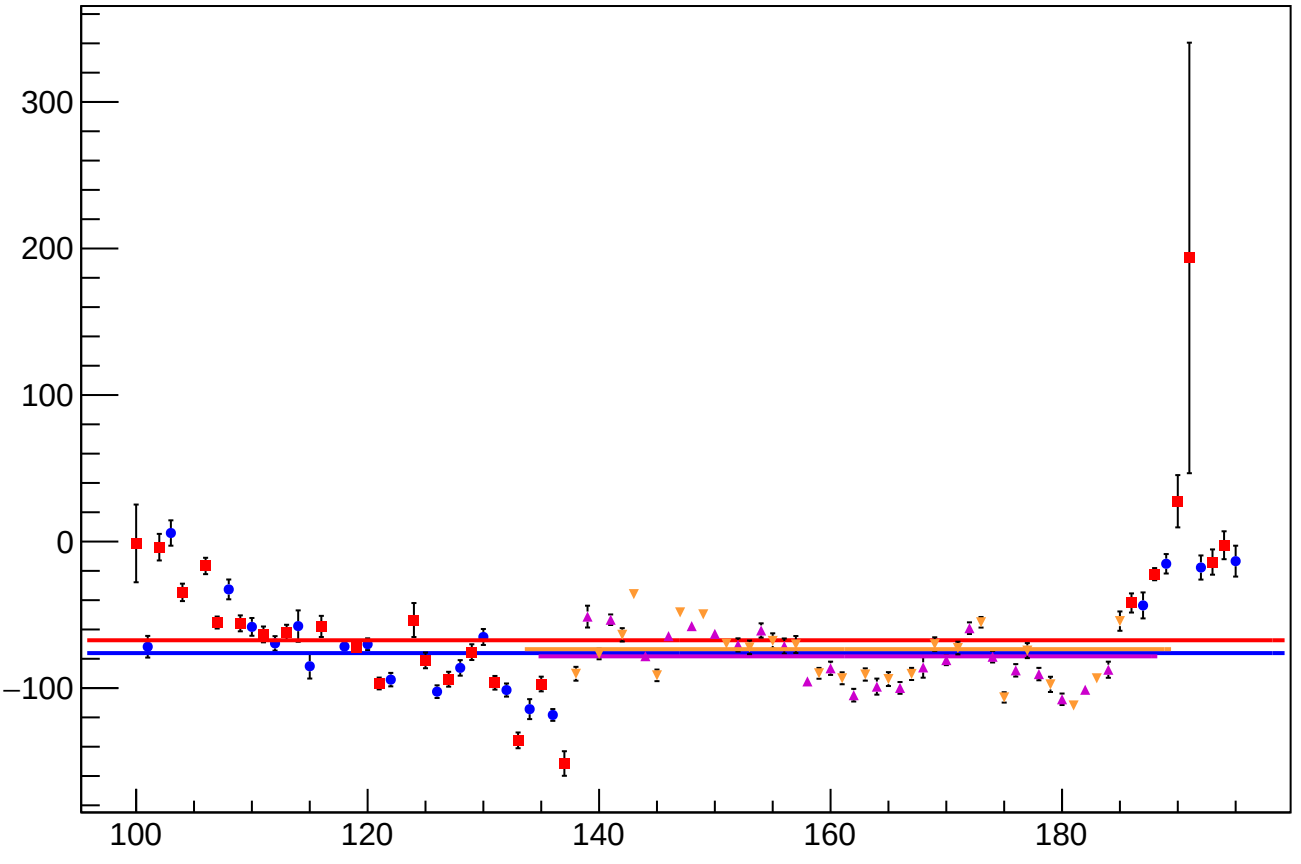
Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.853+/-0.468 χ^2/NDF: 12737.1/92

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

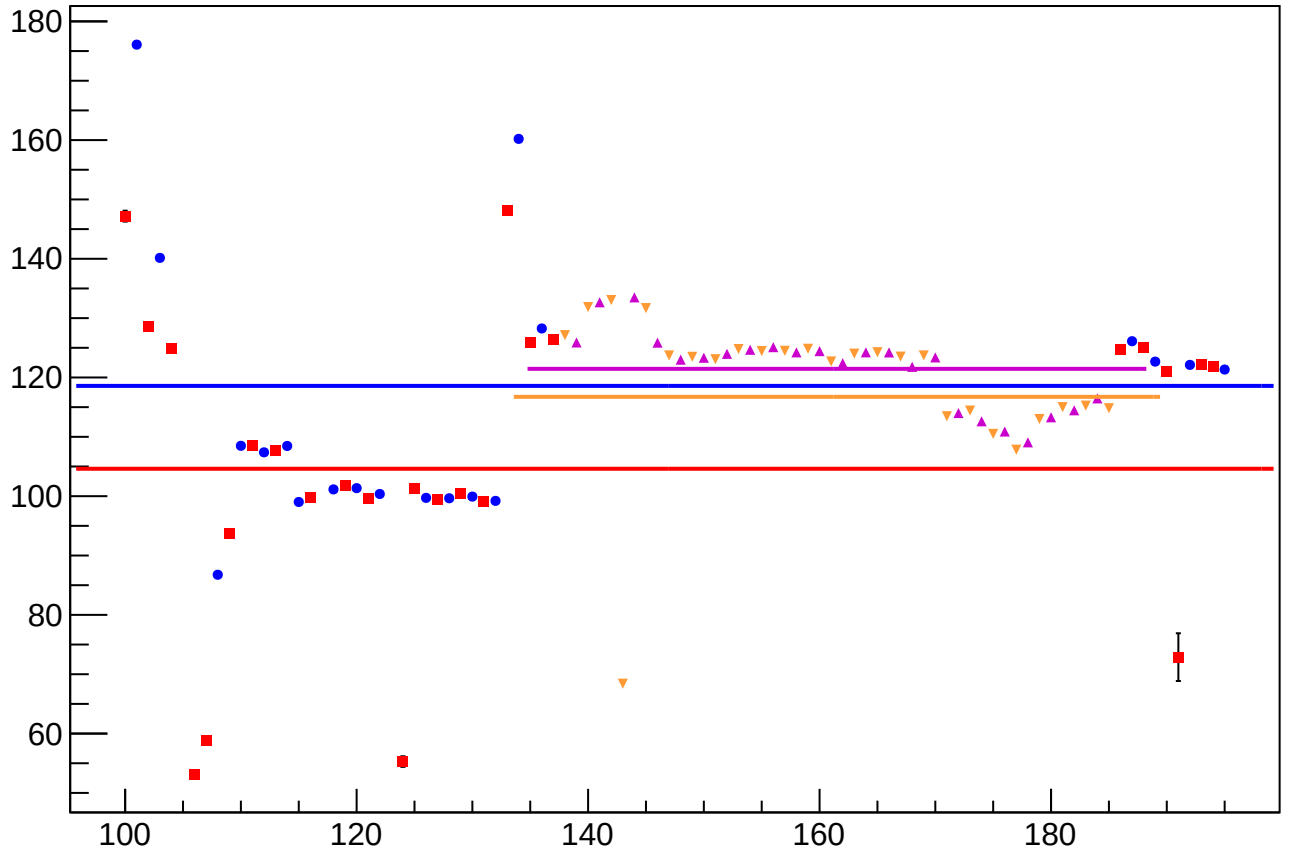
Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

\- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

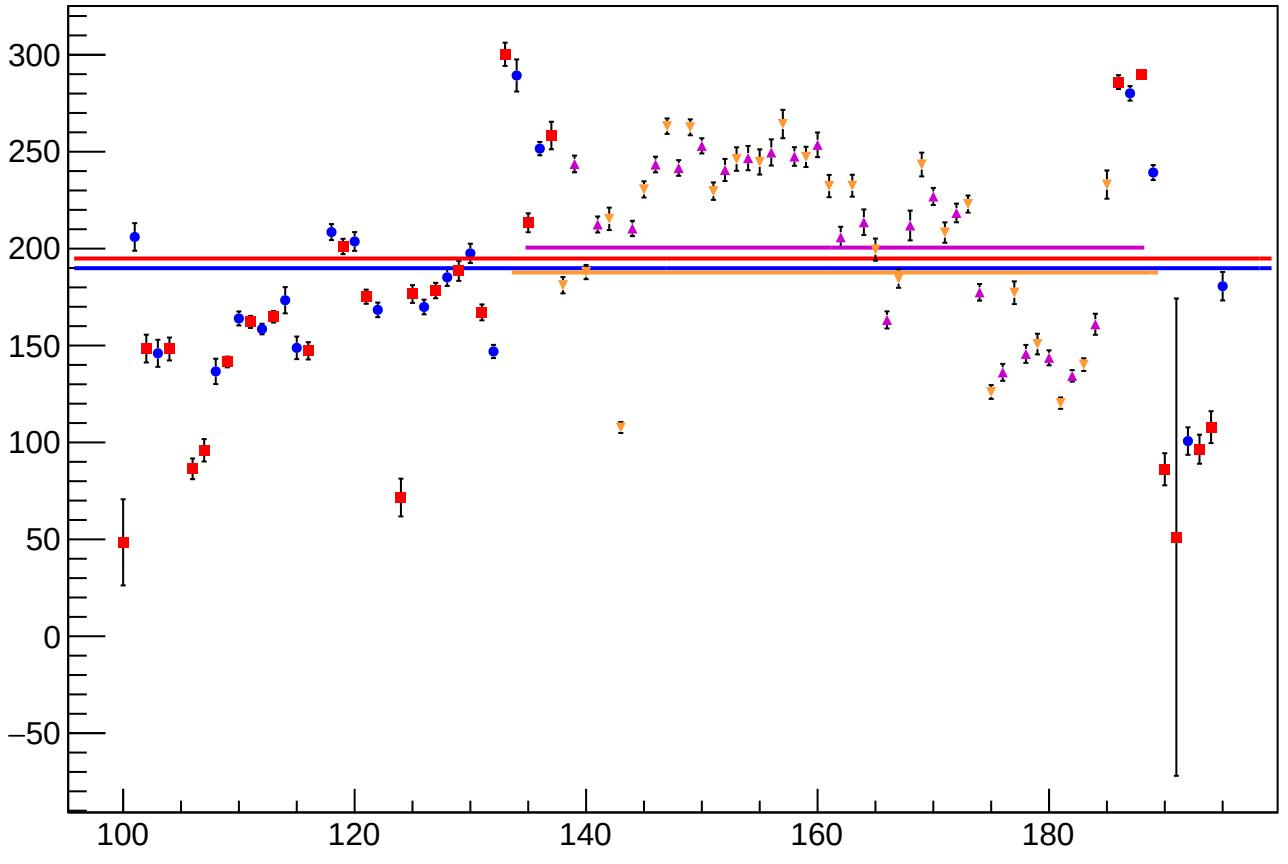
Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47



Right In: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

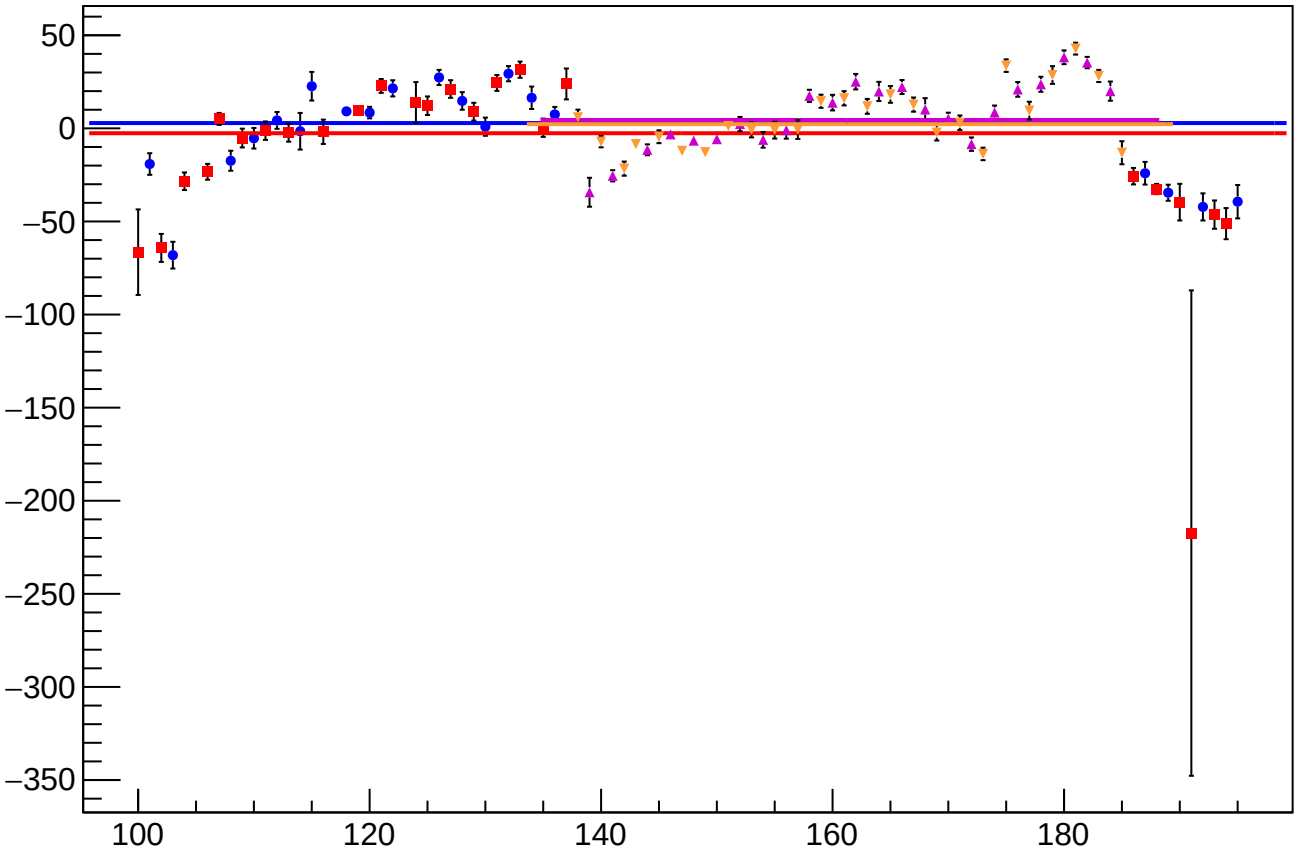
Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.682+/-0.665 χ^2/NDF: 5500.5/44

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92

- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47



Right In: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

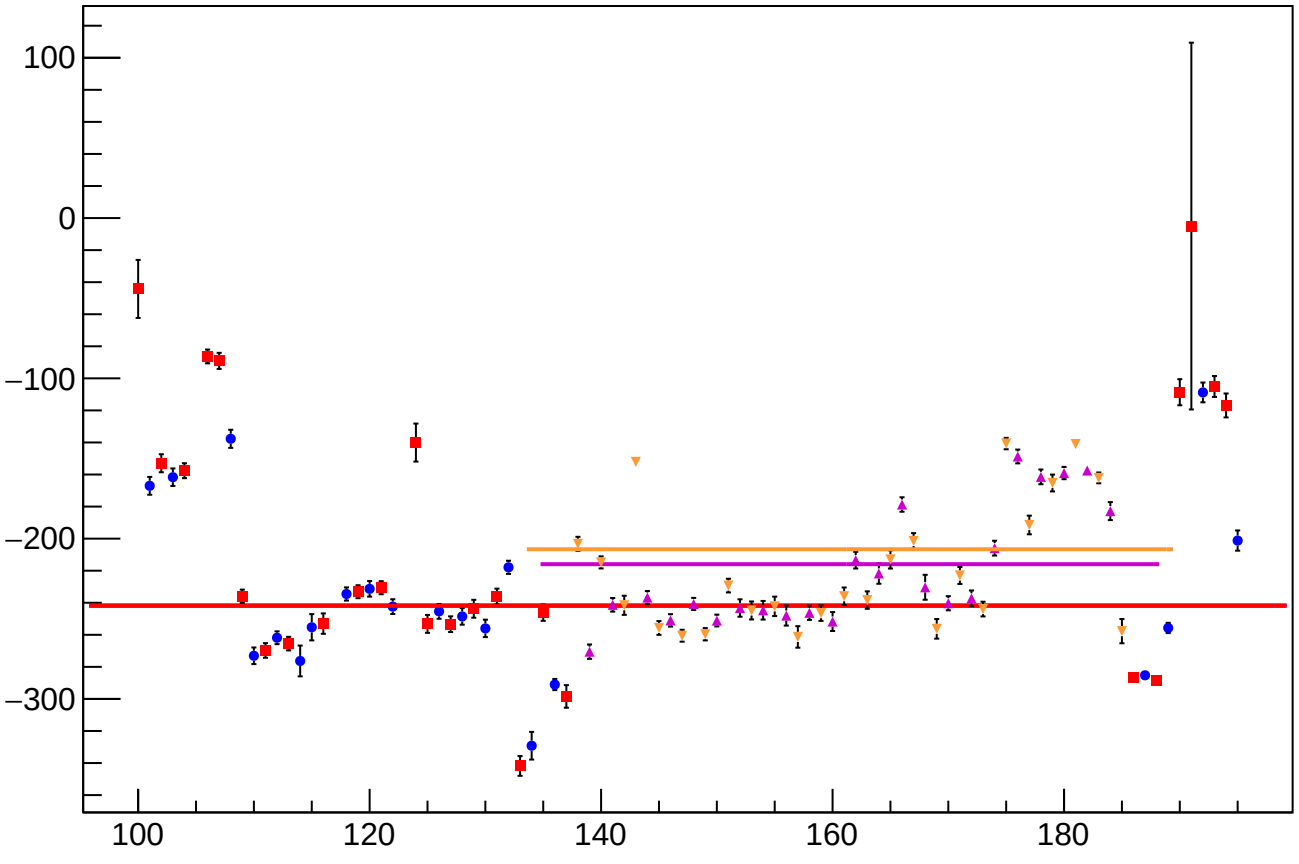
Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.419+/-0.560 χ^2/NDF: 1010.1/44

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92

- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47



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: -241.912+/-0.878 χ^2/NDF: 5533.1/24

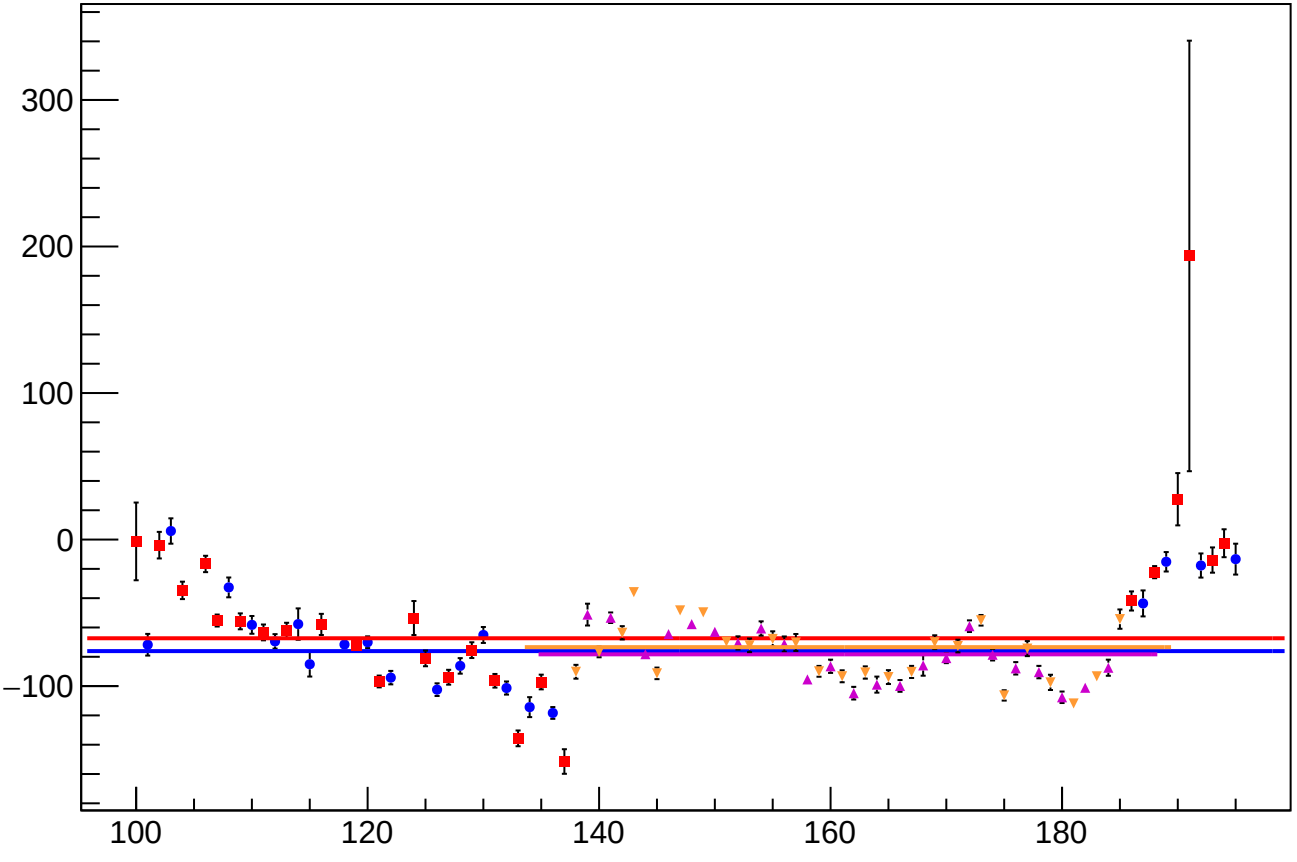
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.307+/-0.682 χ^2/NDF: 5003.1/44

All: -225.853+/-0.468 χ^2/NDF: 12737.1/92

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

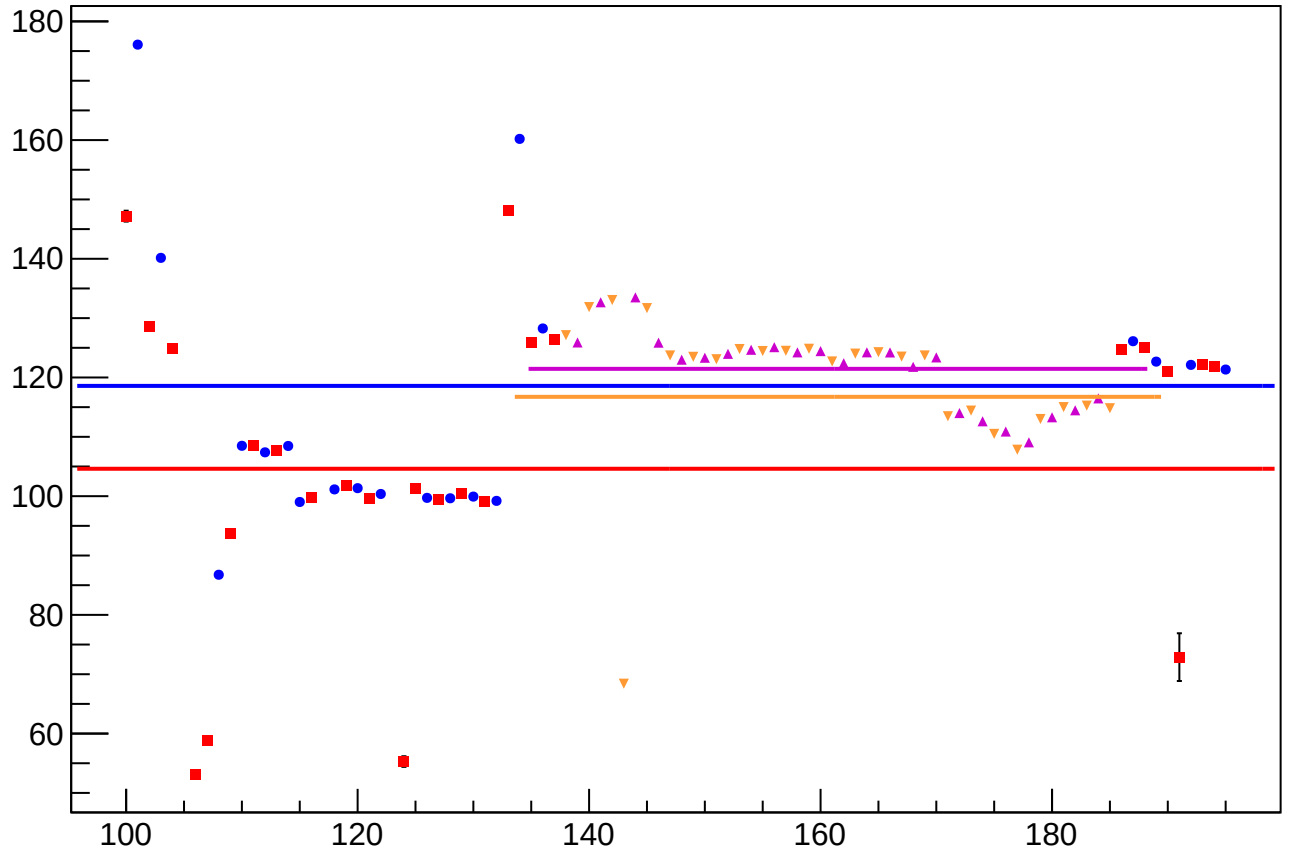
Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.182+/-0.651 χ^2/NDF: 1407.4/44

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

\- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

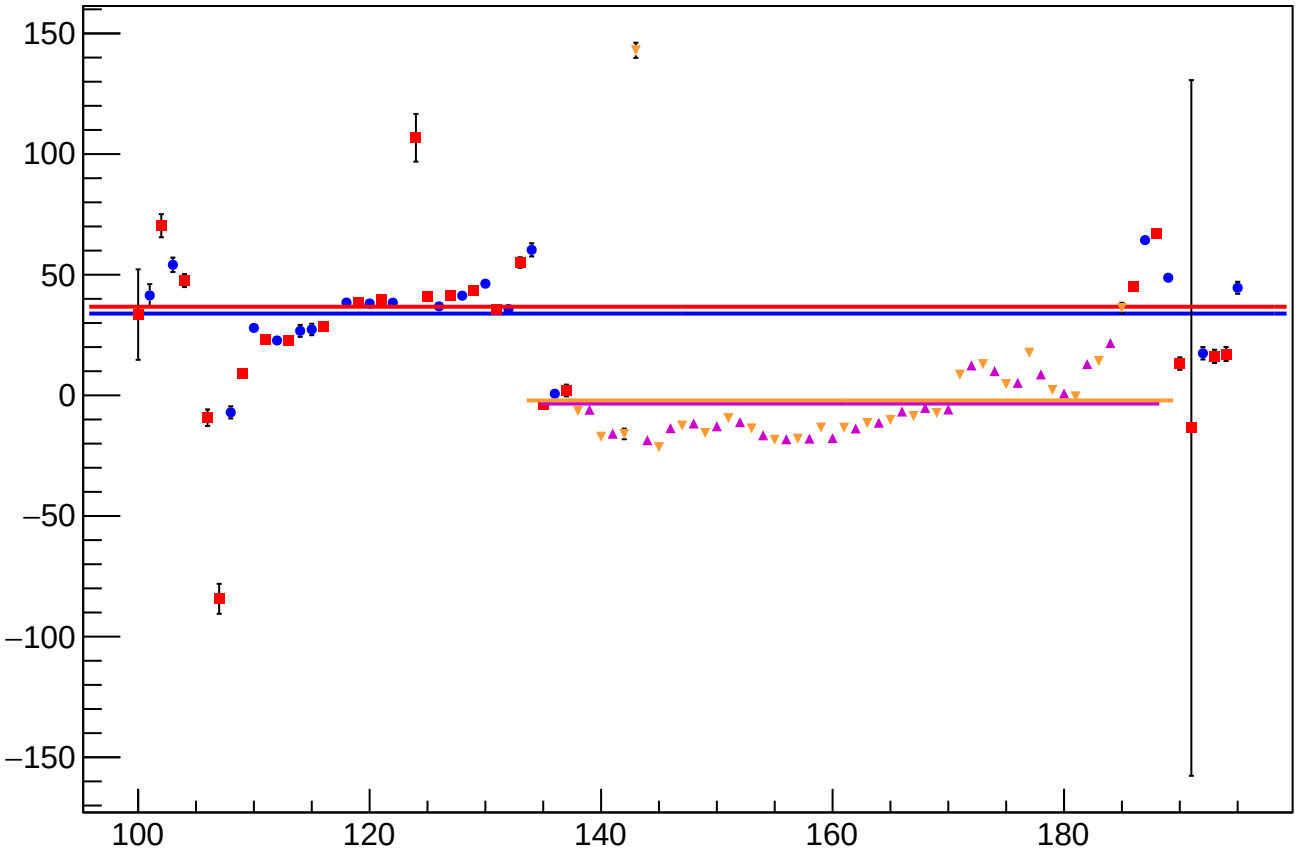
Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.119+/-0.032 χ^2/NDF: 300384.0/44

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

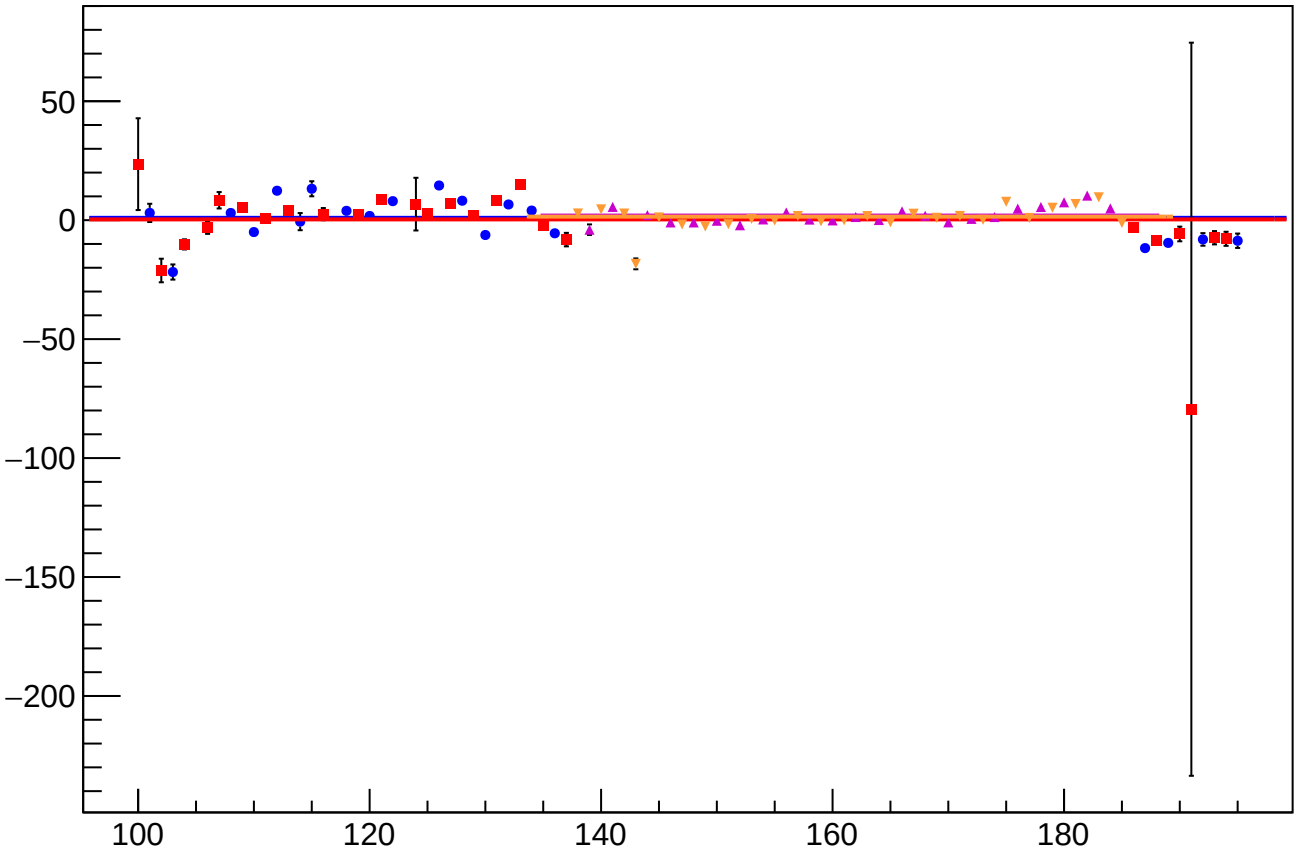
Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.902+/-0.218 χ^2/NDF: 12477.0/44

All: 11.597+/-0.150 χ^2/NDF: 27844.1/92

- sign 13.142+/-0.208 χ^2/NDF: 15251.3/47



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

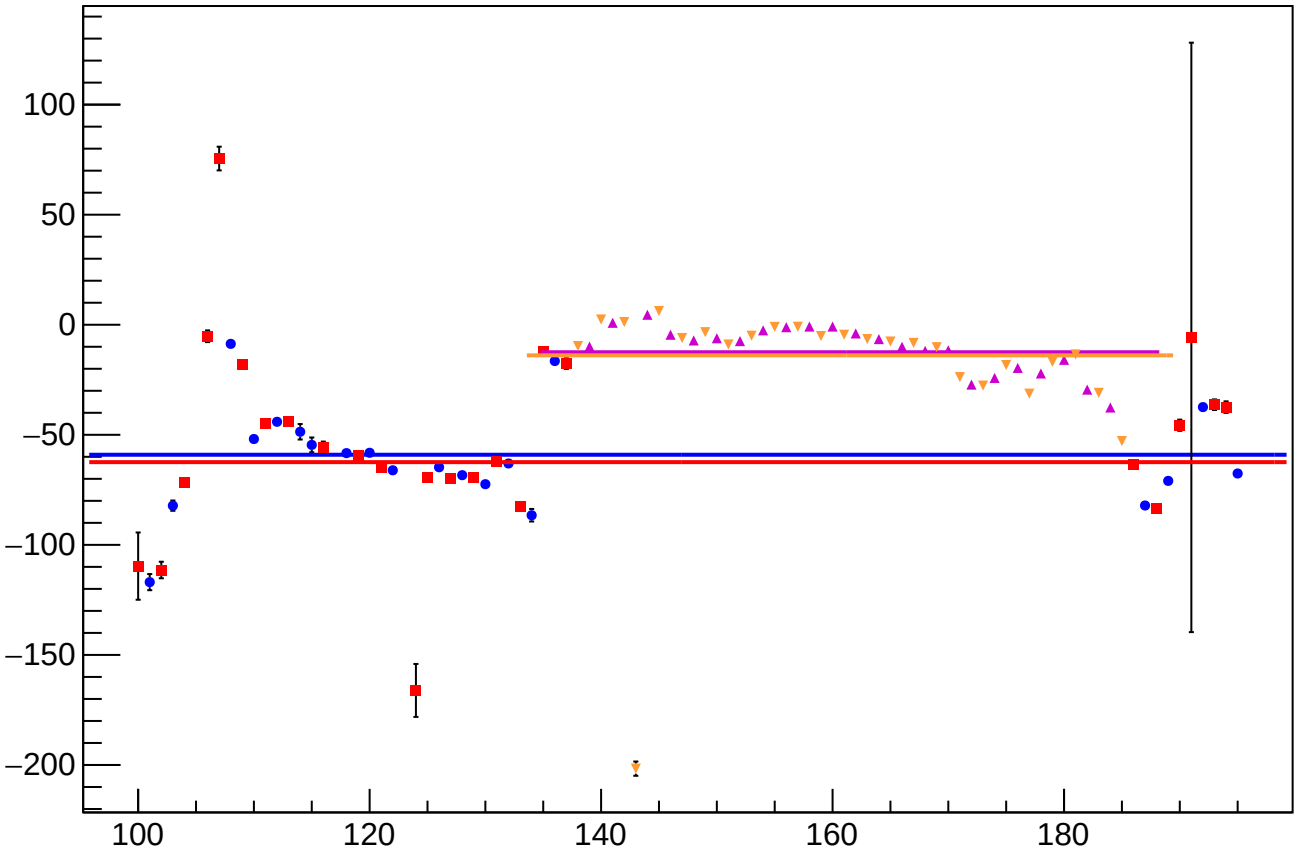
Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.386+/-0.183 χ^2/NDF: 706.3/44

All: 1.466+/-0.130 χ^2/NDF: 1296.3/92

\- sign 1.547+/-0.183 χ^2/NDF: 589.6/47



Right In: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

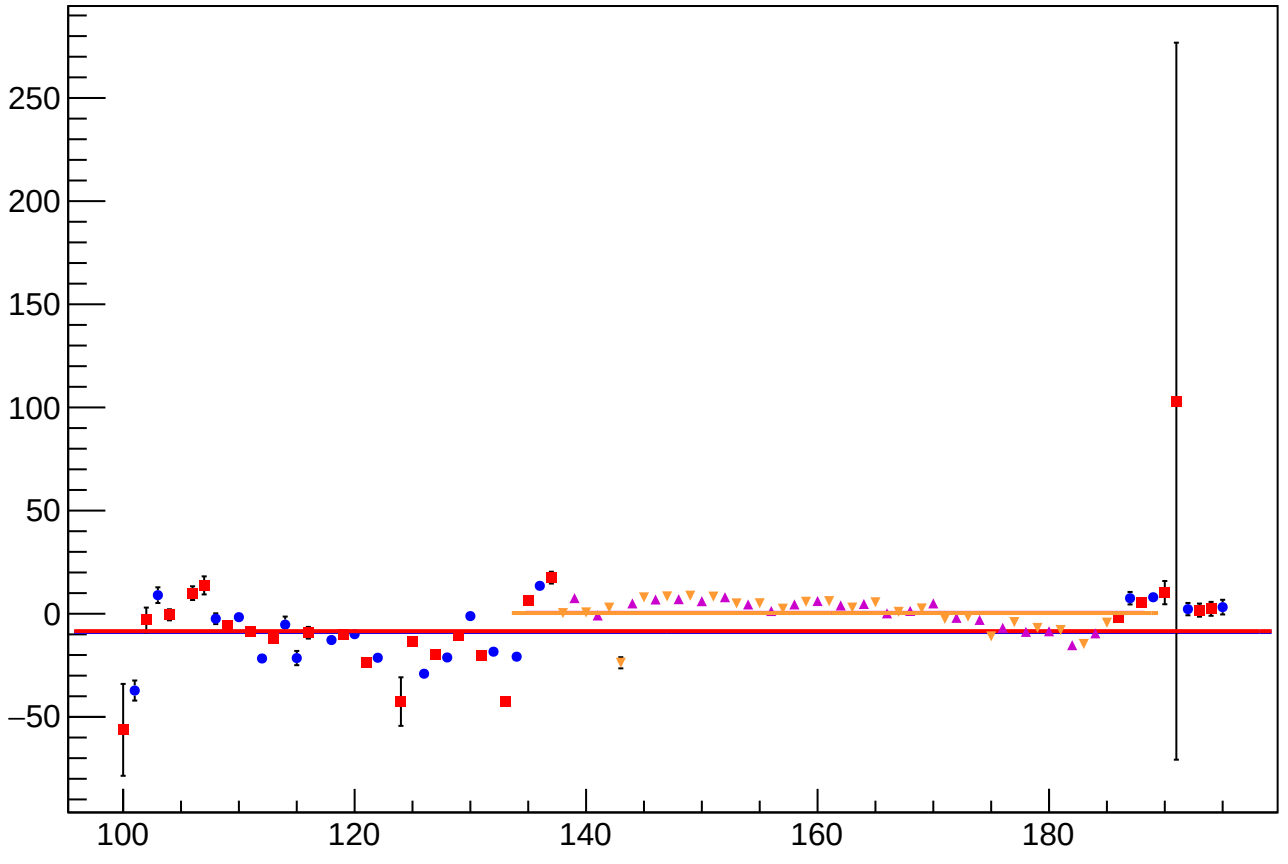
Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -27.744+/-0.220 χ^2/NDF: 17258.2/44

All: -30.570+/-0.151 χ^2/NDF: 38390.8/92

\- sign -33.040+/-0.206 χ^2/NDF: 20824.7/47



Right In: -8.855+/-0.477 χ^2/NDF: 786.8/19

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

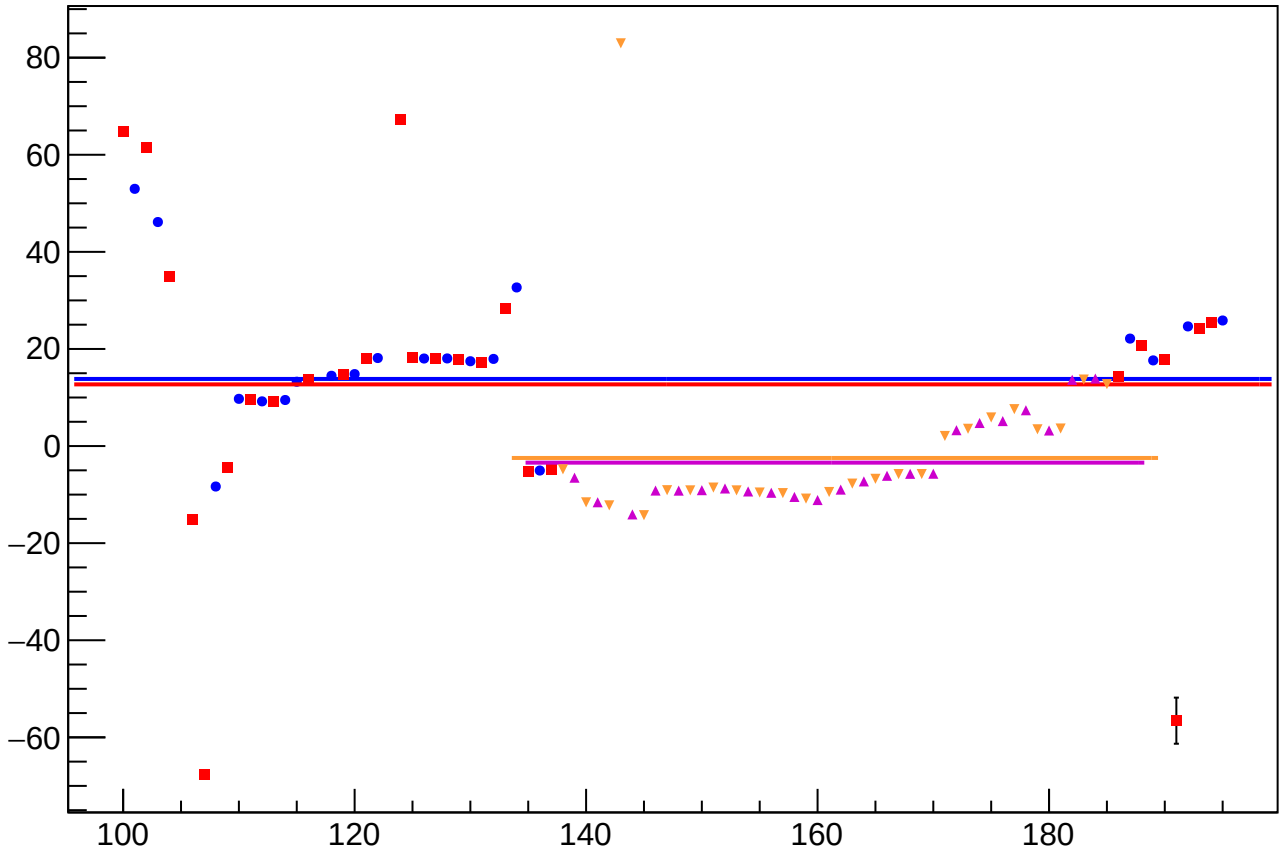
Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.409+/-0.208 χ^2/NDF: 2010.2/44

All: -1.434+/-0.148 χ^2/NDF: 3924.4/92

- sign -1.459+/-0.210 χ^2/NDF: 1914.1/47



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: 12.703+/-0.026 χ^2/NDF: 494109.5/24

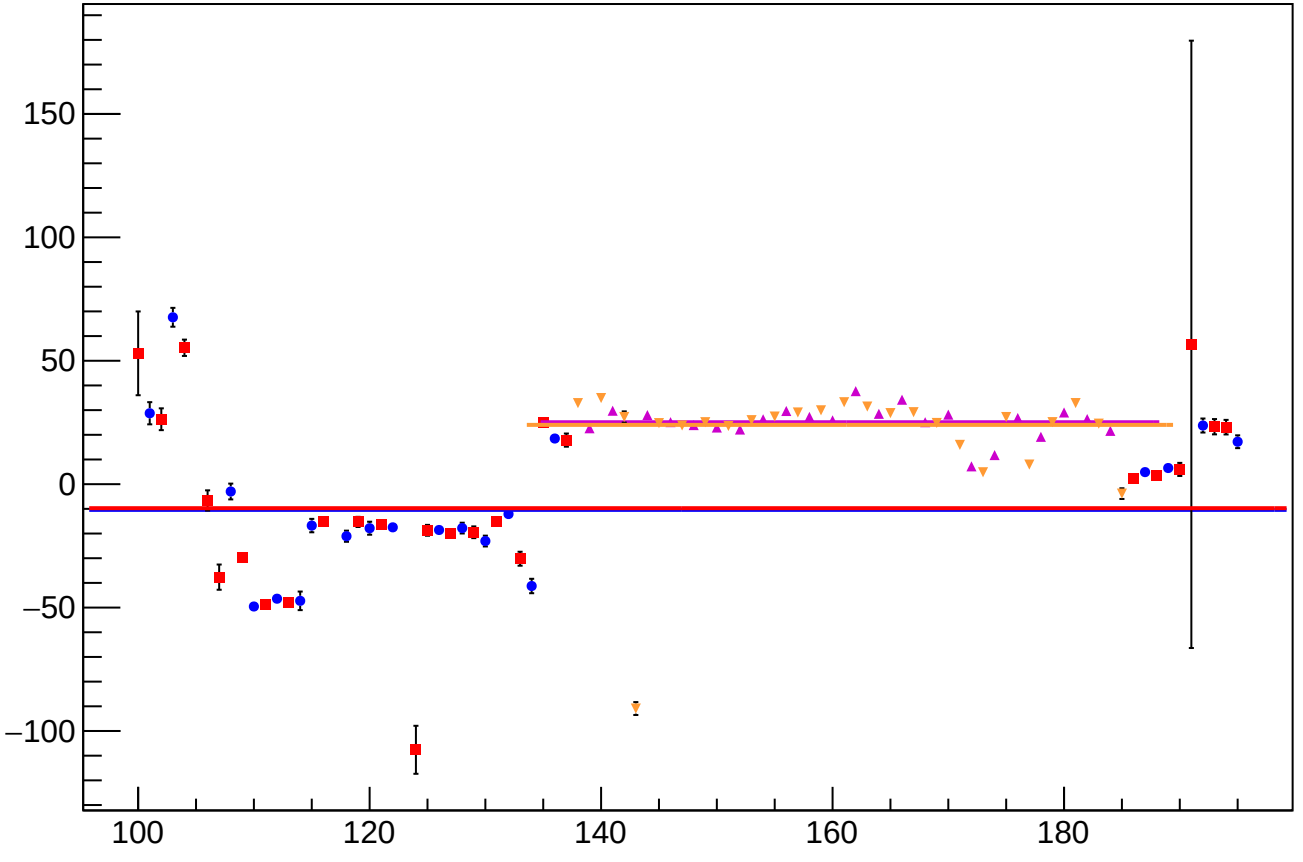
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.283+/-0.010 χ^2/NDF: 1676827.8/44

All: -0.721+/-0.007 χ^2/NDF: 3055452.4/92

- sign -1.163+/-0.010 χ^2/NDF: 1374472.1/47

reg_asym_at1_dd_at2_dd_avg_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

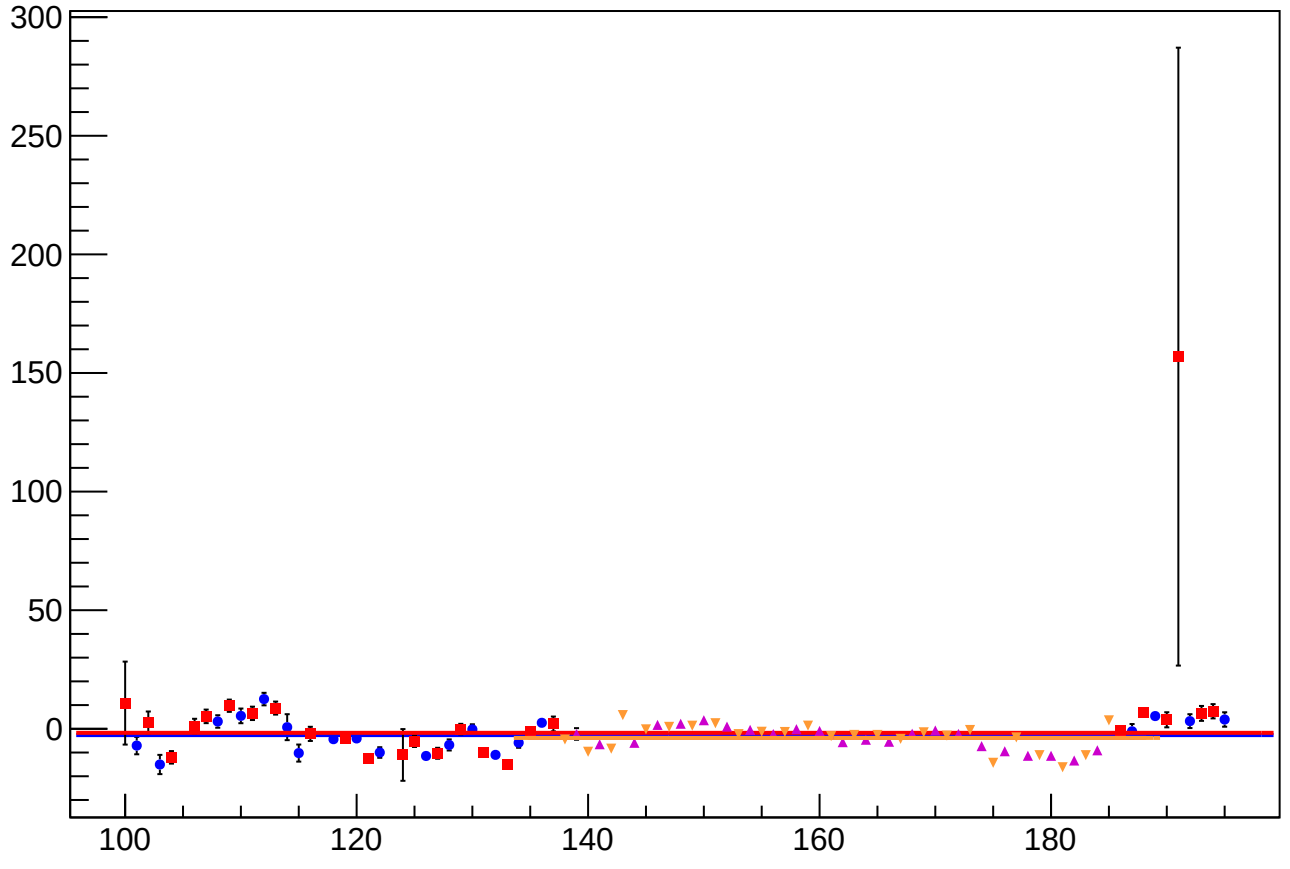
Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.294+/-0.244 χ^2/NDF: 9196.3/44

All: 14.779+/-0.170 χ^2/NDF: 17143.1/92

- sign 14.285+/-0.239 χ^2/NDF: 7938.0/47



Right In: -2.655+/-0.511 χ^2/NDF: 150.8/19

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

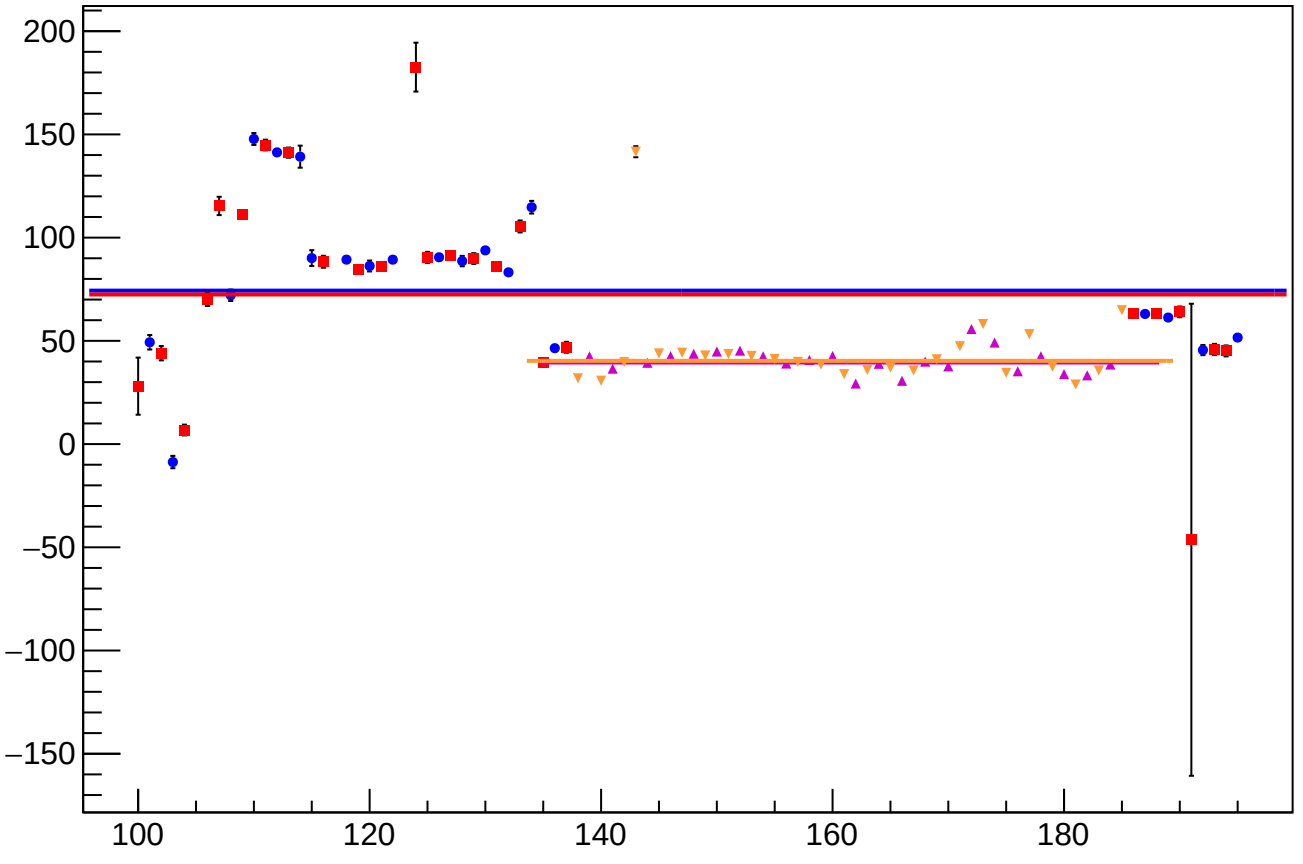
Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.662+/-0.200 χ^2/NDF: 804.8/44

All: -3.537+/-0.143 χ^2/NDF: 1560.1/92

- sign -3.410+/-0.203 χ^2/NDF: 754.5/47



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

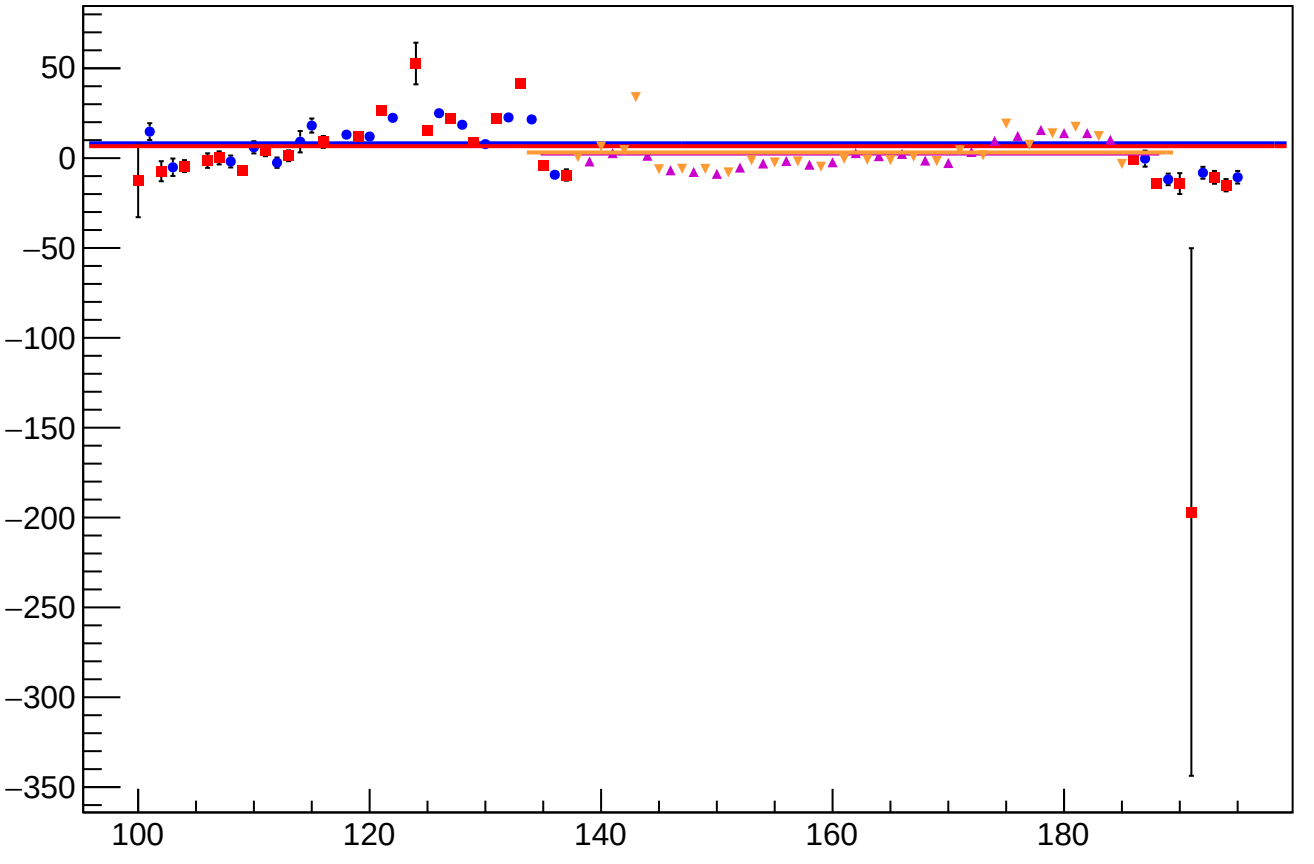
Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.223+/-0.245 χ^2/NDF: 9320.2/44

All: 48.916+/-0.171 χ^2/NDF: 17834.1/92

- sign 49.564+/-0.237 χ^2/NDF: 8498.4/47



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

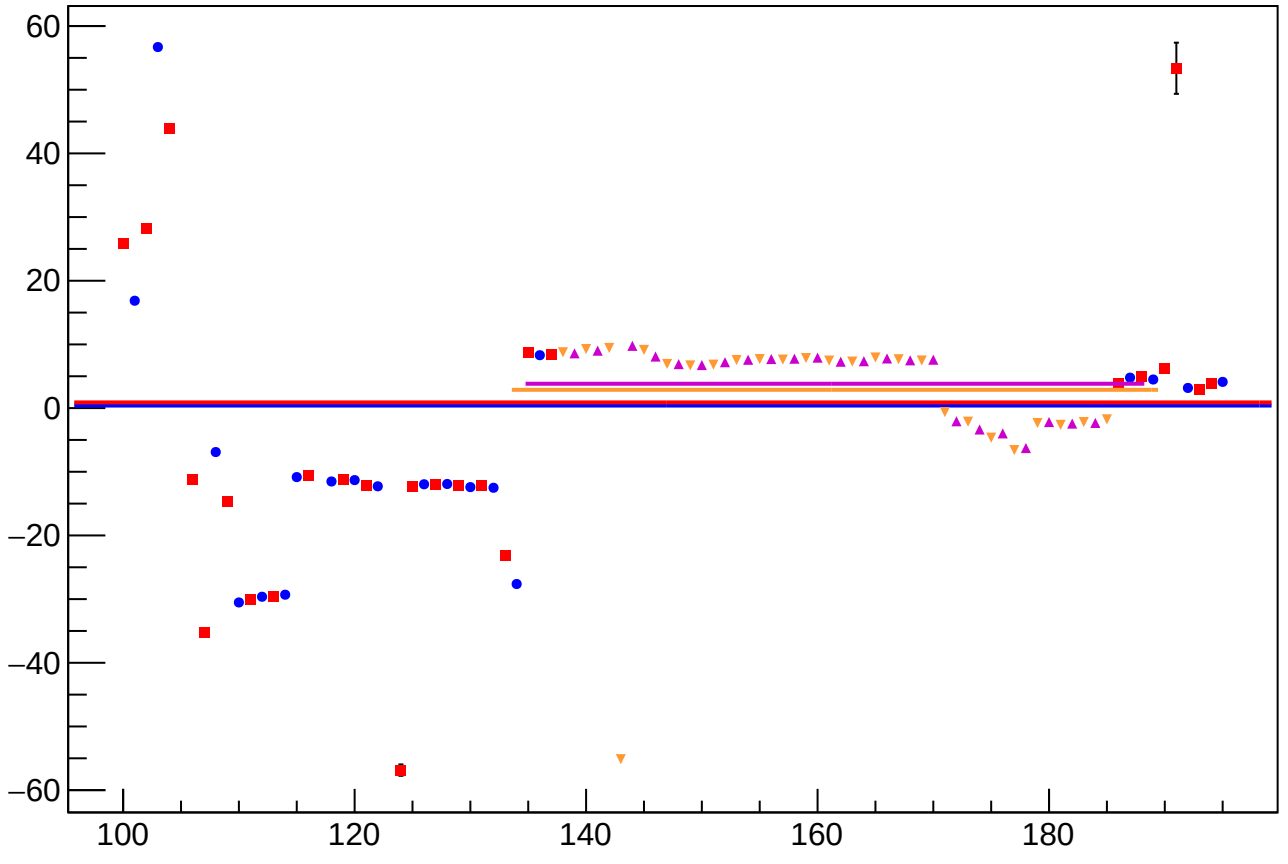
Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.894+/-0.227 χ^2/NDF: 1798.0/44

All: 3.543+/-0.161 χ^2/NDF: 3497.5/92

- sign 3.181+/-0.230 χ^2/NDF: 1694.7/47



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: 0.893+/-0.031 χ^2/NDF: 322085.7/24

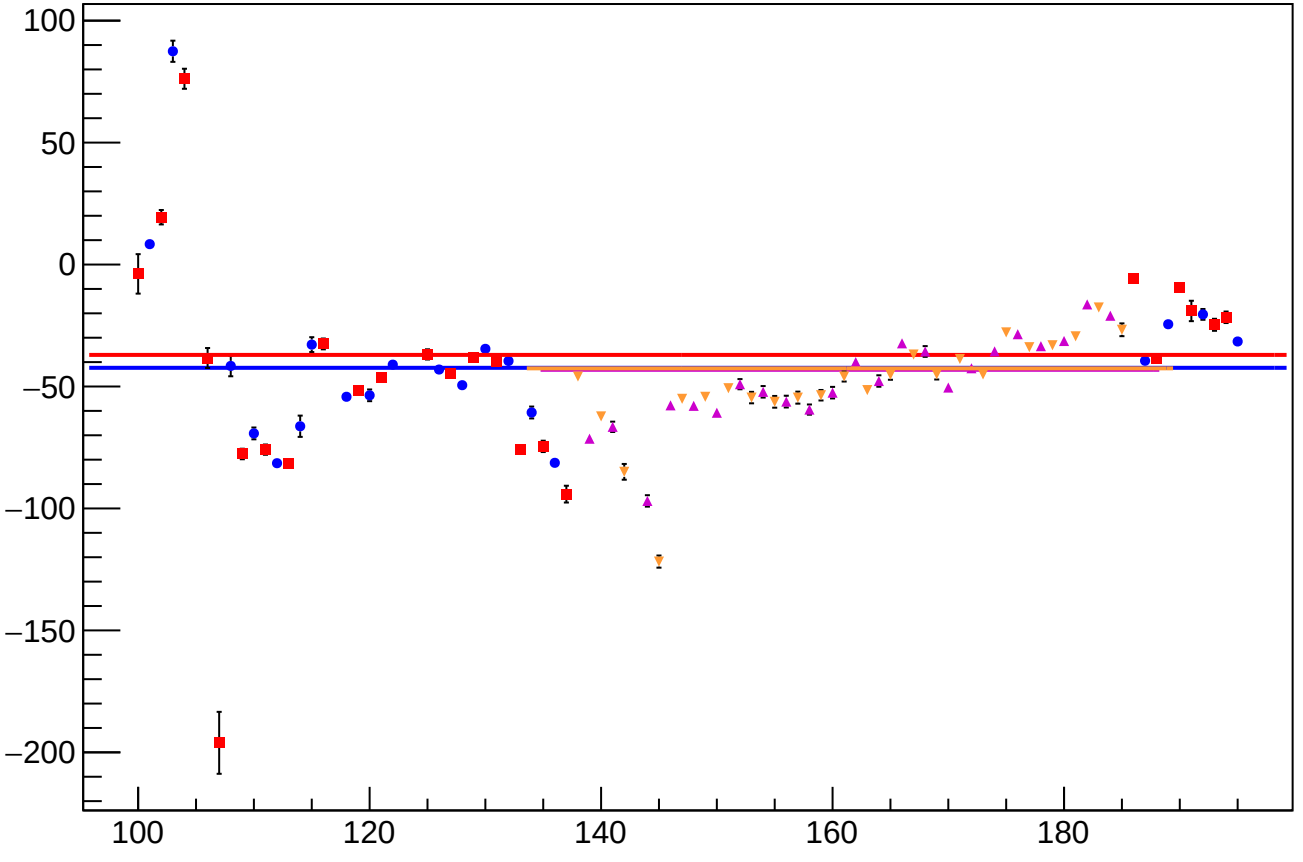
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.597+/-0.010 χ^2/NDF: 890135.8/44

All: 3.039+/-0.007 χ^2/NDF: 1457127.0/92

- sign 3.489+/-0.010 χ^2/NDF: 563315.7/47

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: -37.046+/-0.382 χ^2/NDF: 5047.1/23

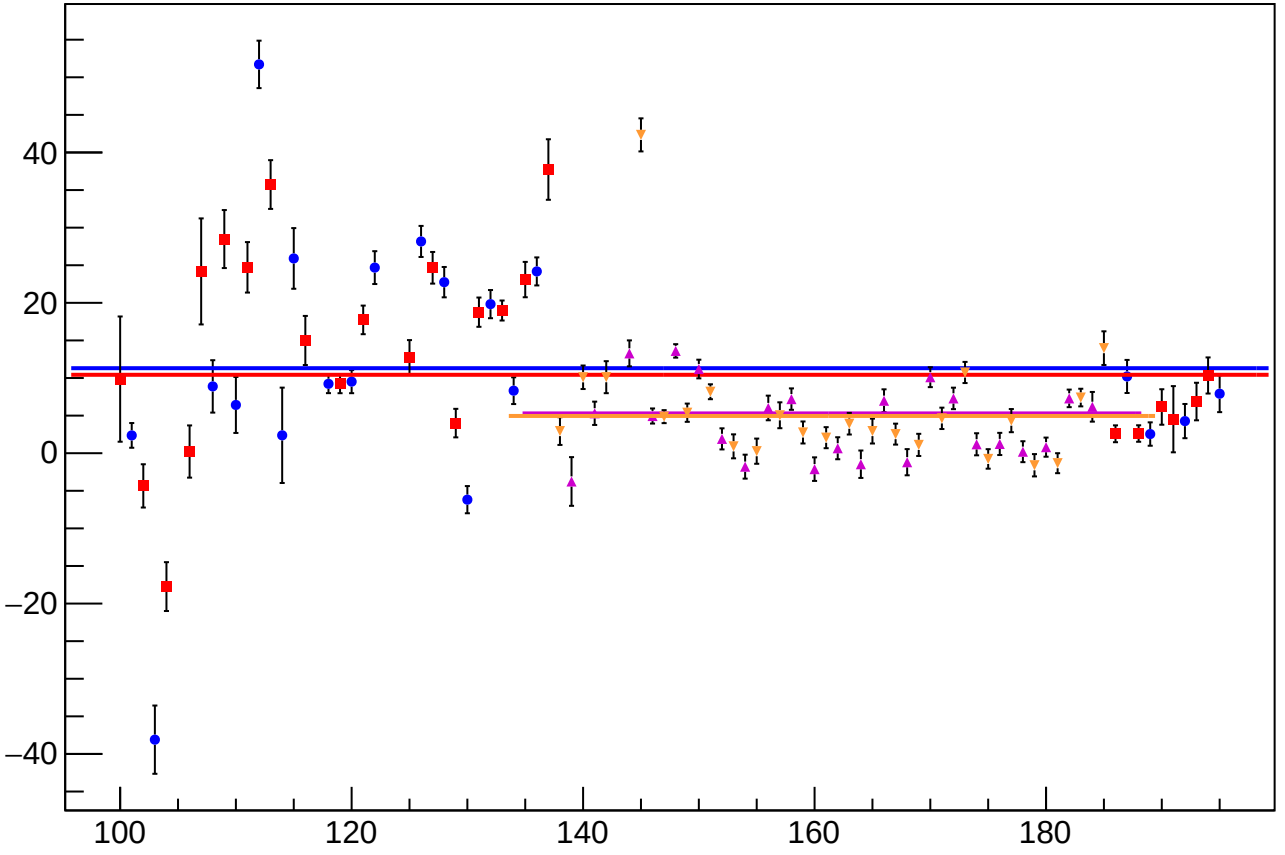
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -42.468+/-0.289 χ^2/NDF: 5477.0/43

All: -41.205+/-0.197 χ^2/NDF: 12894.3/90

- sign -40.103+/-0.270 χ^2/NDF: 7381.5/46

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: 10.429+/-0.424 χ^2/NDF: 532.2/23

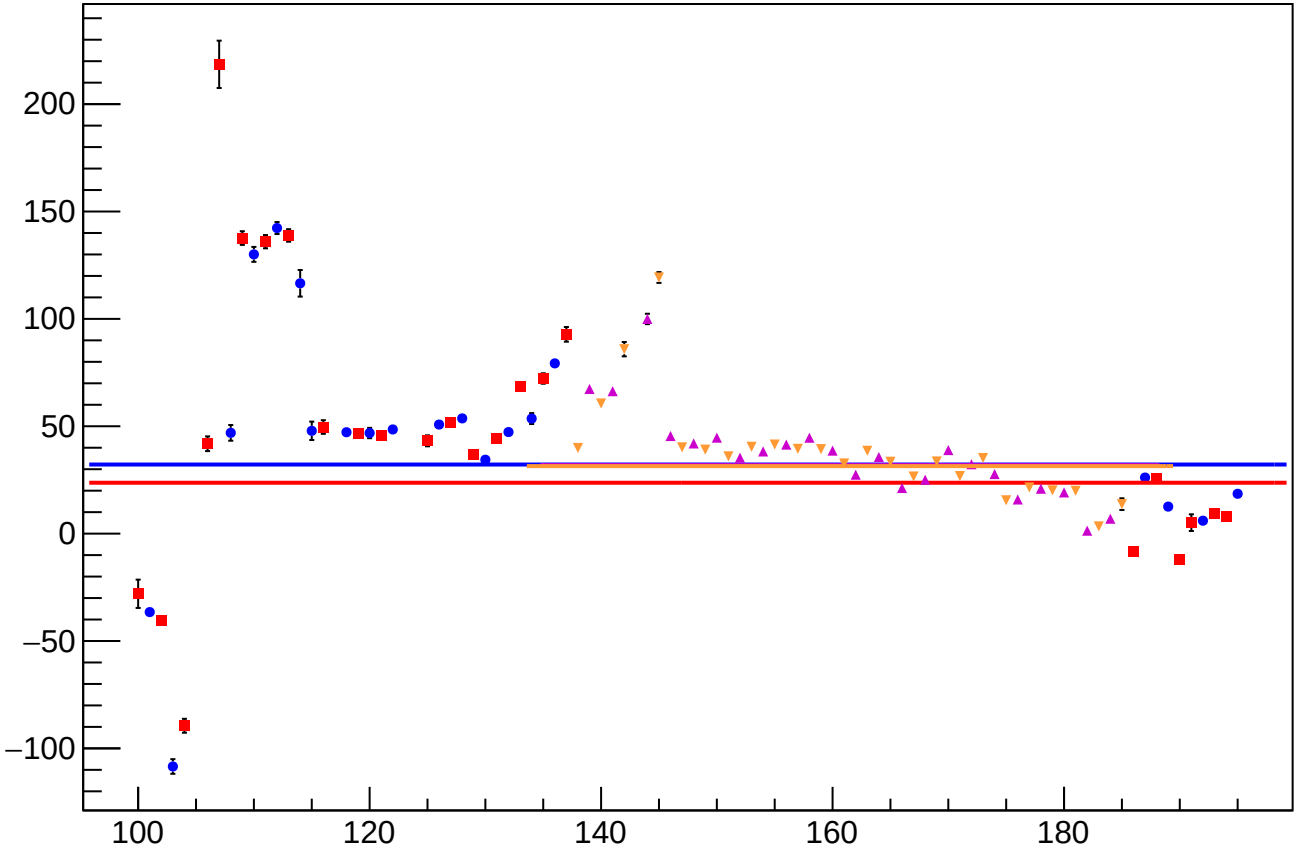
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.739+/-0.245 χ^2/NDF: 1263.2/43

All: 6.853+/-0.172 χ^2/NDF: 2181.3/90

- sign 6.963+/-0.242 χ^2/NDF: 917.7/46

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: 23.699+/-0.358 χ^2/NDF: 11021.3/23

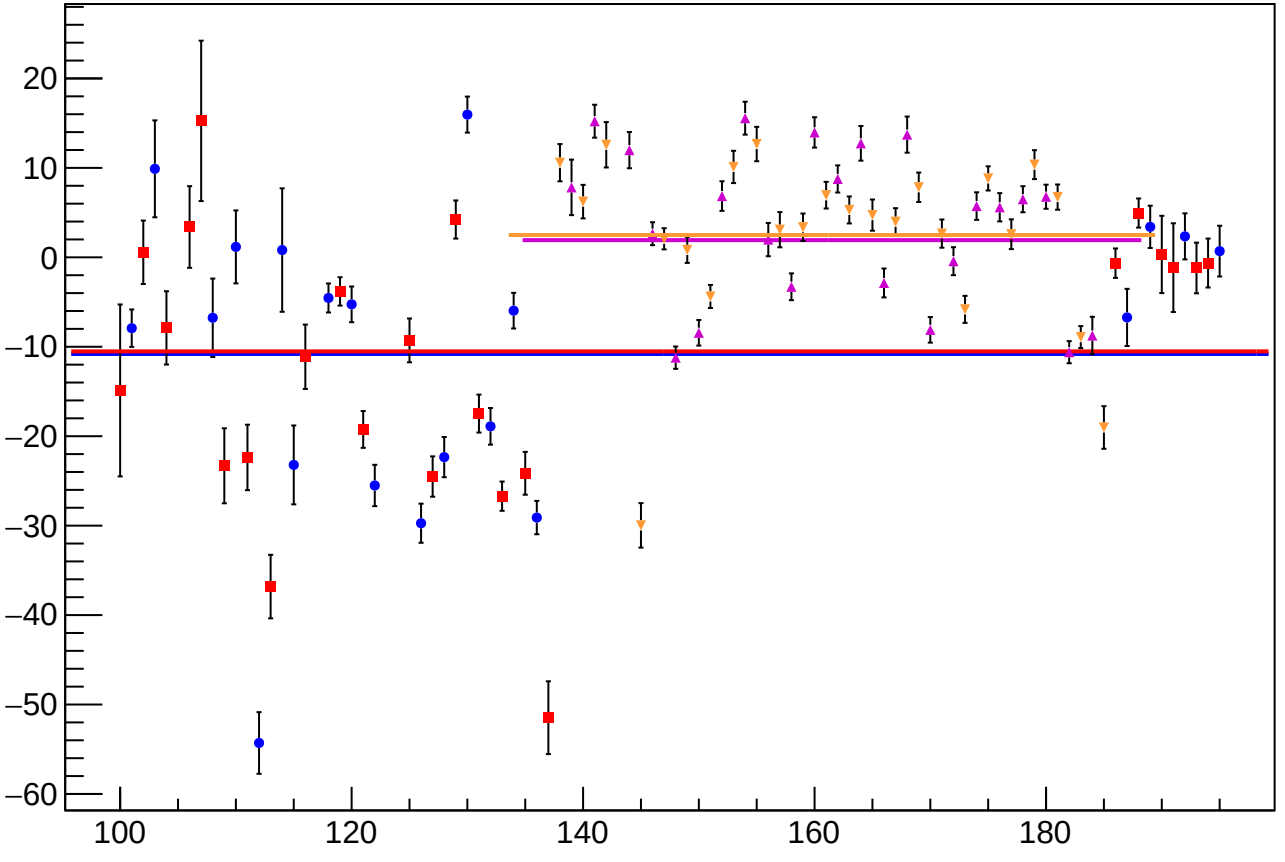
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 31.746+/-0.287 χ^2/NDF: 10783.9/43

All: 29.453+/-0.193 χ^2/NDF: 24936.1/90

- sign 27.574+/-0.260 χ^2/NDF: 14036.2/46

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

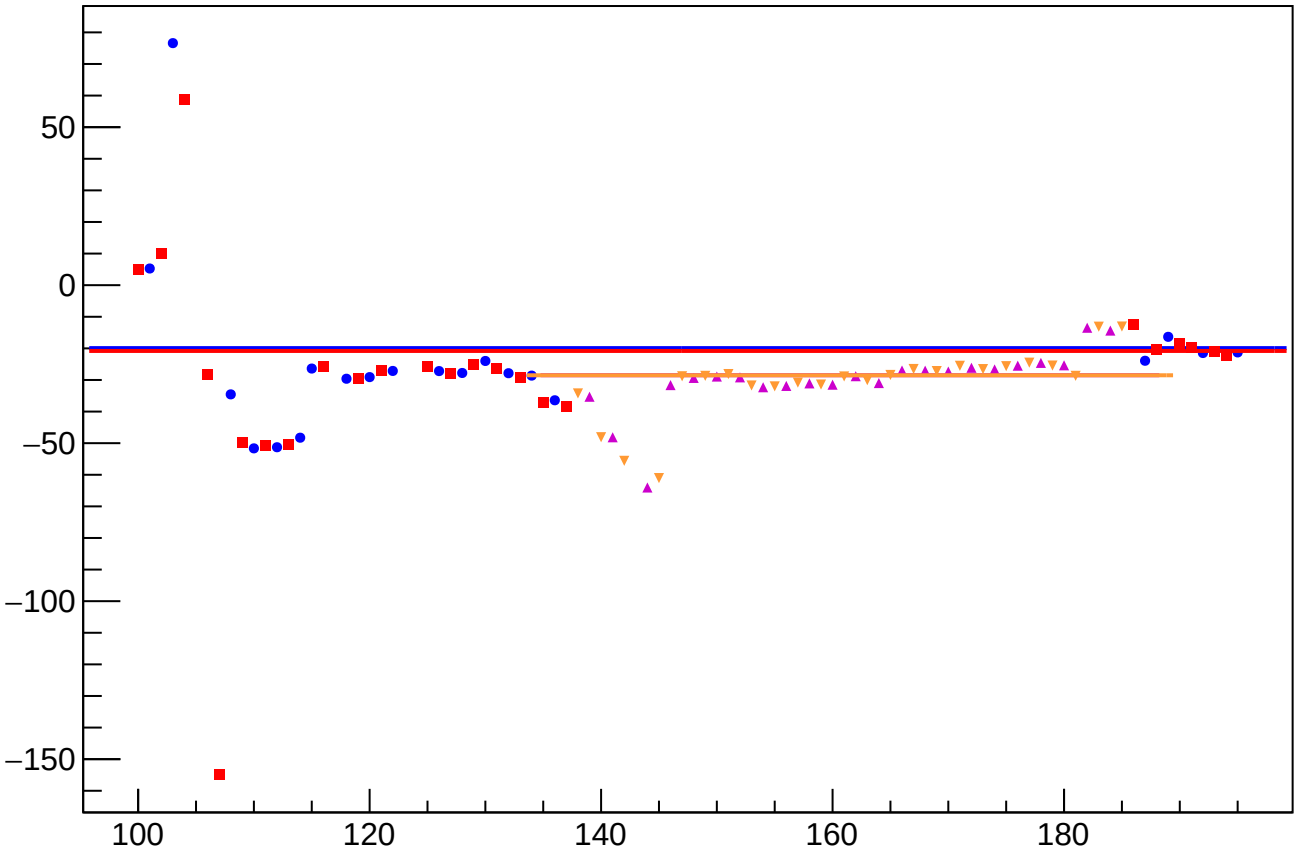
Right Out: -10.516+/-0.524 χ^2/NDF: 627.1/23

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.995+/-0.281 χ^2/NDF: 1728.1/43

All: -1.319+/-0.198 χ^2/NDF: 3438.8/90

- sign -1.642+/-0.280 χ^2/NDF: 1708.0/46



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: -20.812+/-0.028 χ^2/NDF: 553067.4/23

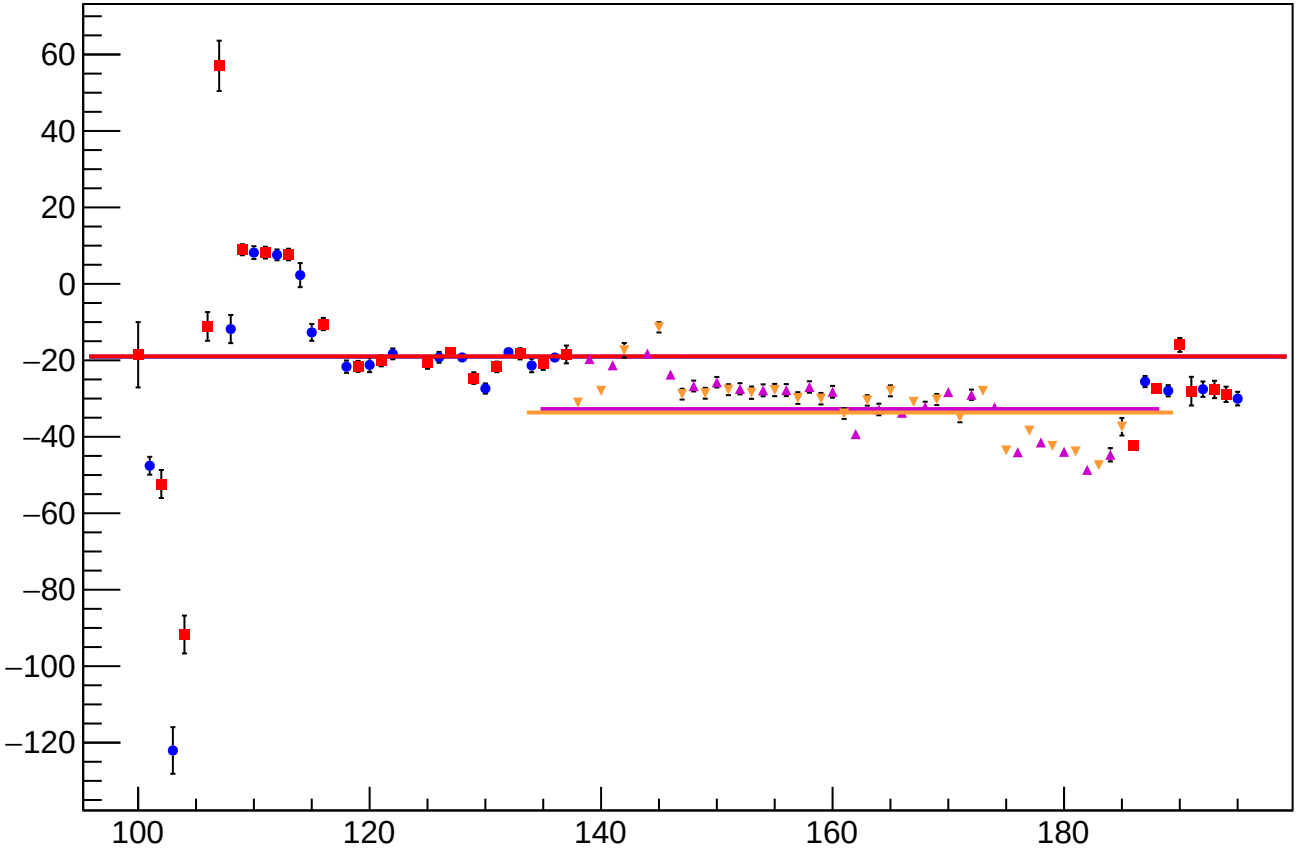
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.751+/-0.013 χ^2/NDF: 1052556.2/43

All: -26.782+/-0.009 χ^2/NDF: 1952327.7/90

- sign -26.813+/-0.013 χ^2/NDF: 899760.5/46

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: -18.972+/-0.336 χ^2/NDF: 1980.4/23

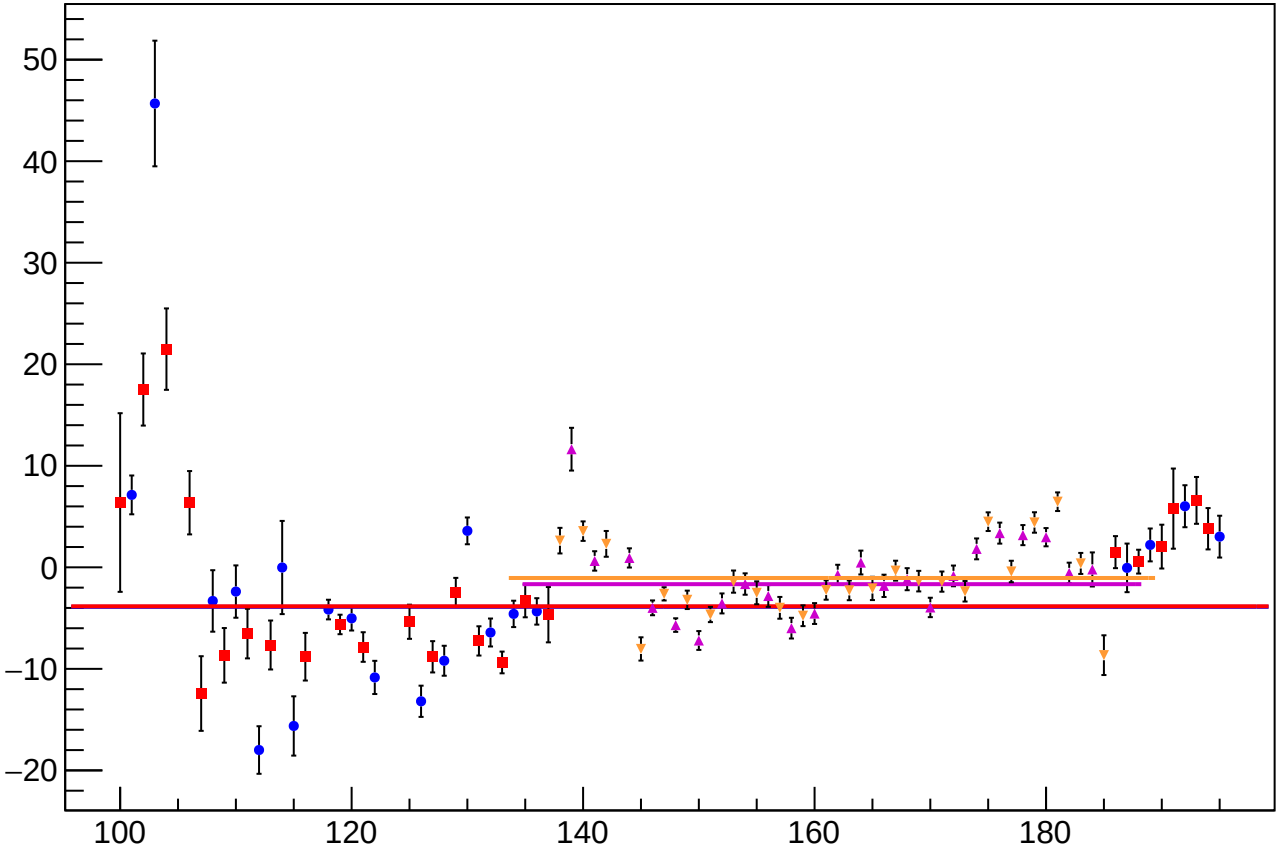
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.543+/-0.214 χ^2/NDF: 3343.5/43

All: -27.948+/-0.150 χ^2/NDF: 7509.2/90

- sign -27.376+/-0.210 χ^2/NDF: 4150.5/46

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: -3.840+/-0.365 χ^2/NDF: 234.1/23

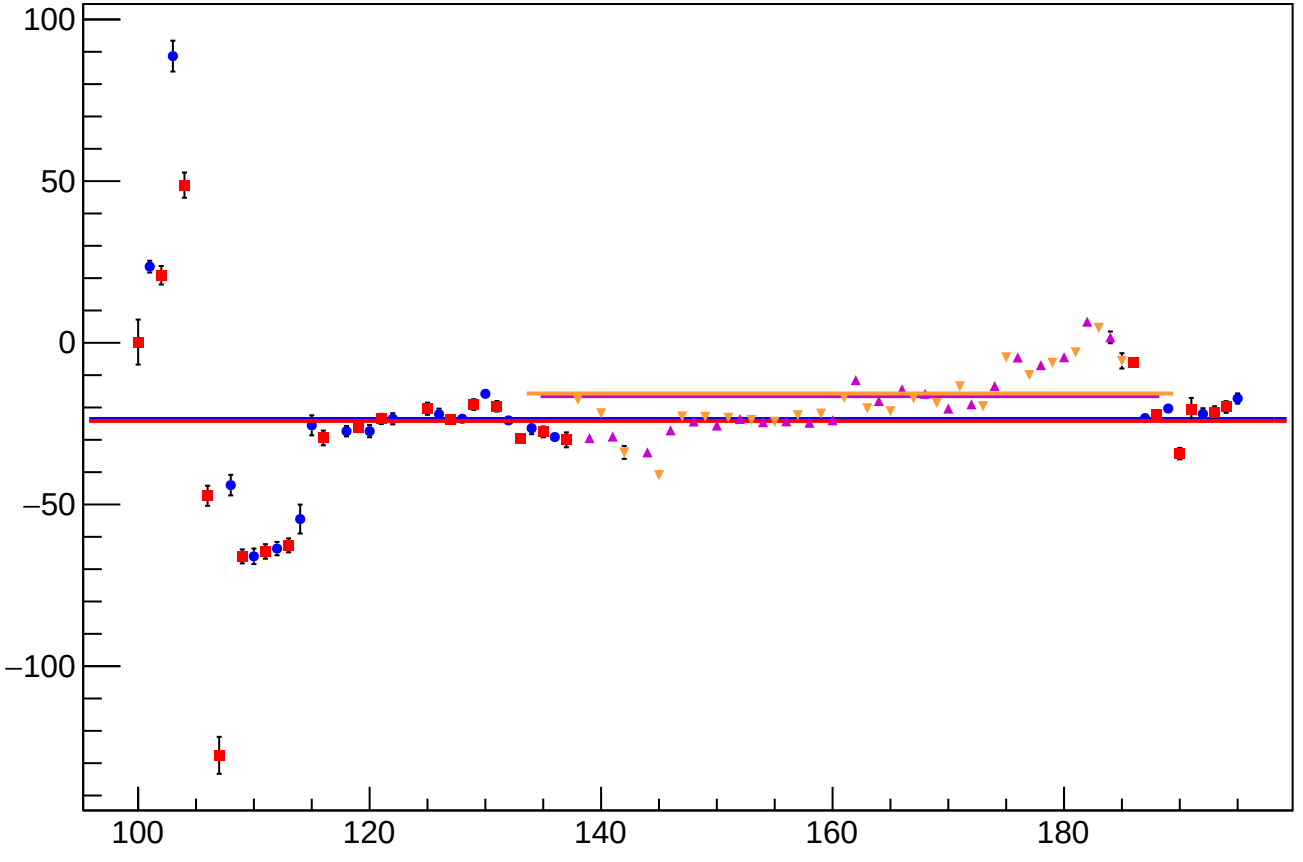
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.701+/-0.178 χ^2/NDF: 640.7/43

All: -1.943+/-0.127 χ^2/NDF: 1170.0/90

- sign -2.189+/-0.180 χ^2/NDF: 525.6/46

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: -24.151+/-0.341 χ^2/NDF: 2432.0/23

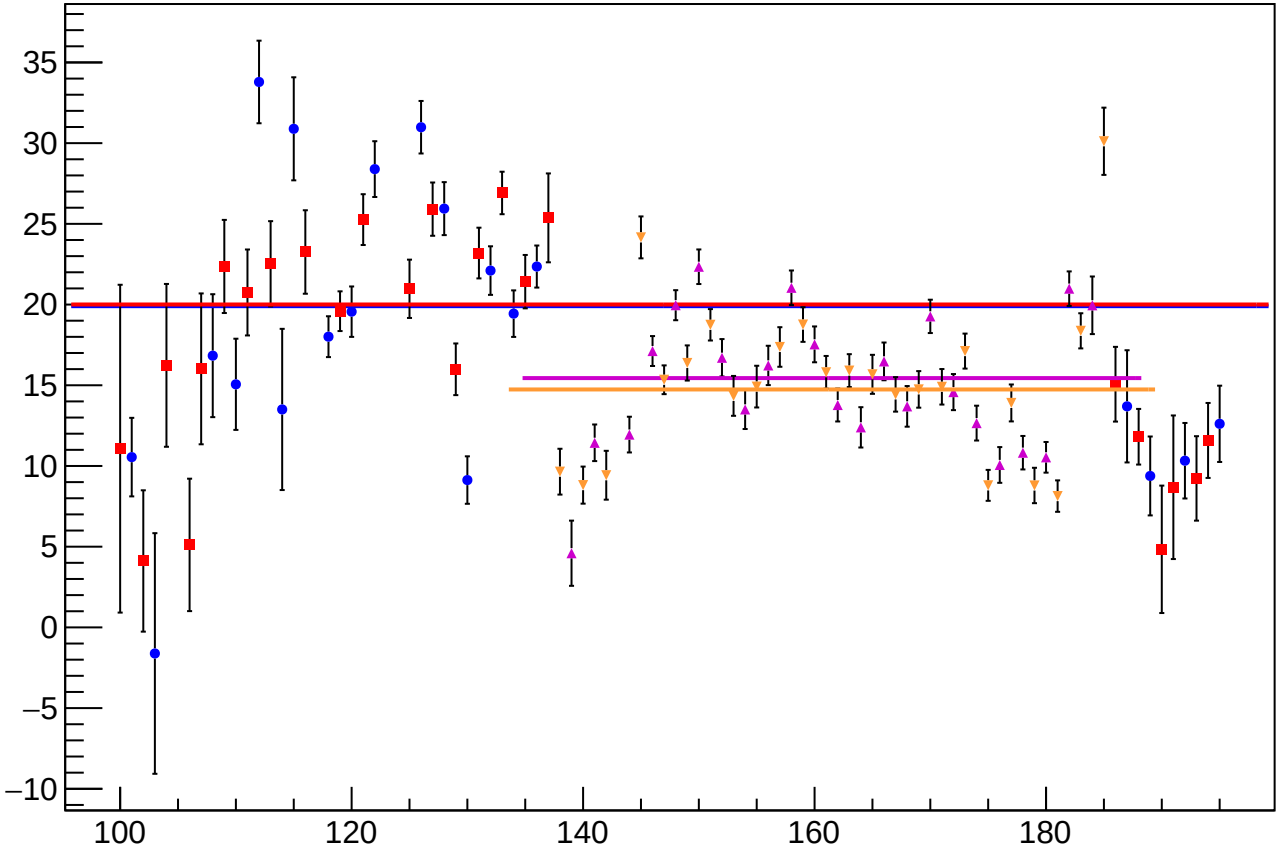
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.214+/-0.217 χ^2/NDF: 3891.0/43

All: -18.814+/-0.151 χ^2/NDF: 8349.9/90

\- sign -19.377+/-0.210 χ^2/NDF: 4444.0/46

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: 20.004+/-0.433 χ^2/NDF: 177.1/23

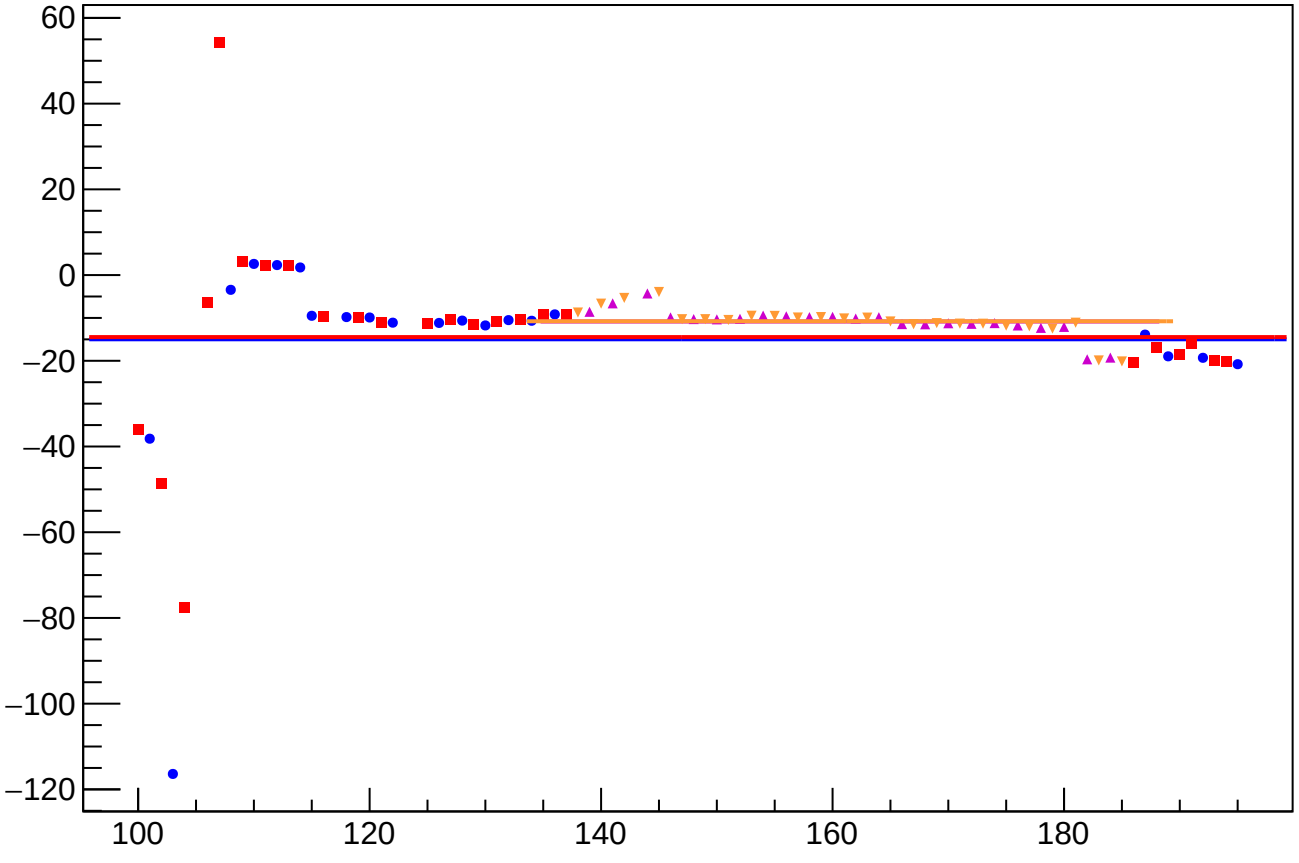
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.878+/-0.203 χ^2/NDF: 706.1/43

All: 16.170+/-0.144 χ^2/NDF: 1263.8/90

- sign 16.469+/-0.205 χ^2/NDF: 553.5/46

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: -14.470+/-0.024 χ^2/NDF: 337653.2/23

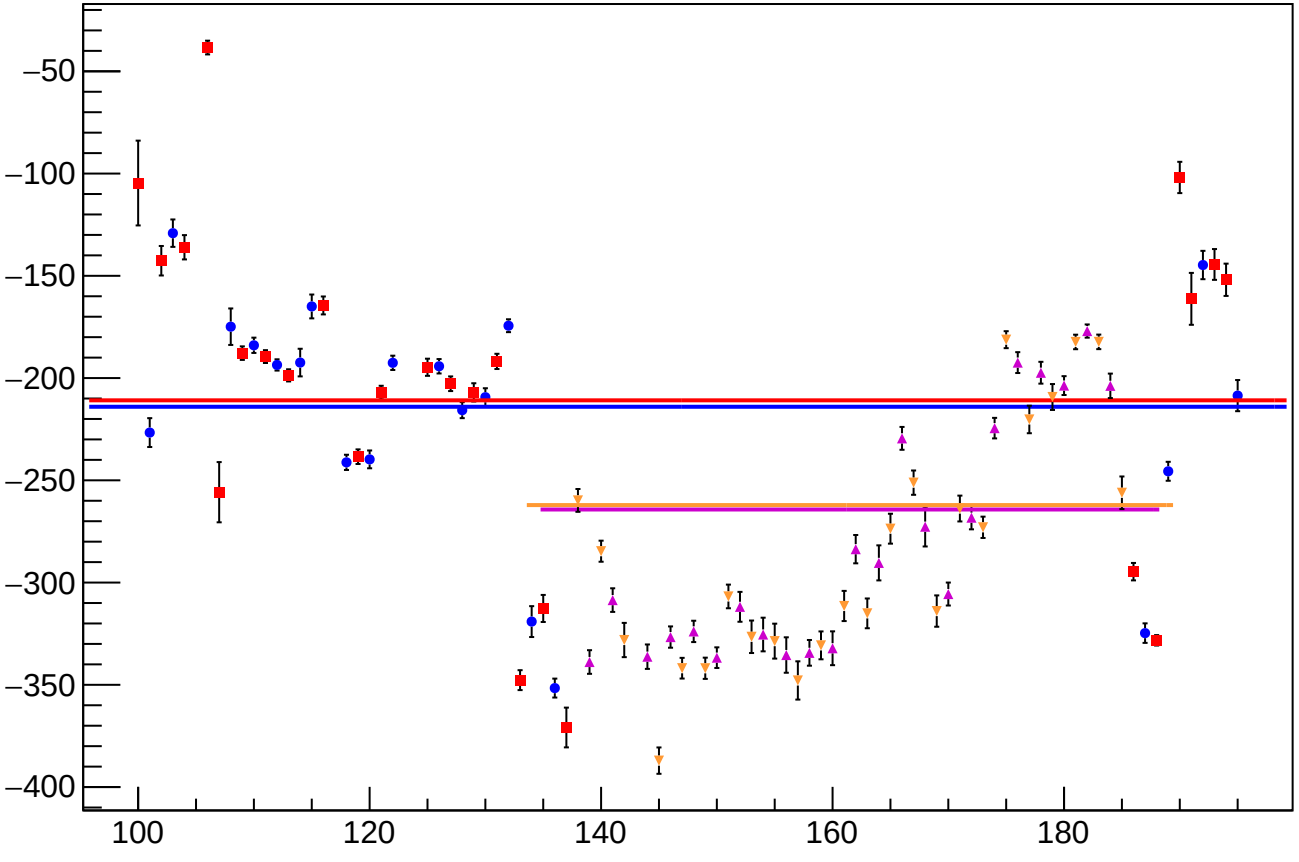
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.437+/-0.009 χ^2/NDF: 472309.9/43

All: -11.419+/-0.007 χ^2/NDF: 903452.5/90

- sign -11.401+/-0.009 χ^2/NDF: 431135.4/46

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: -210.886+/-0.888 χ^2/NDF: 7390.8/23

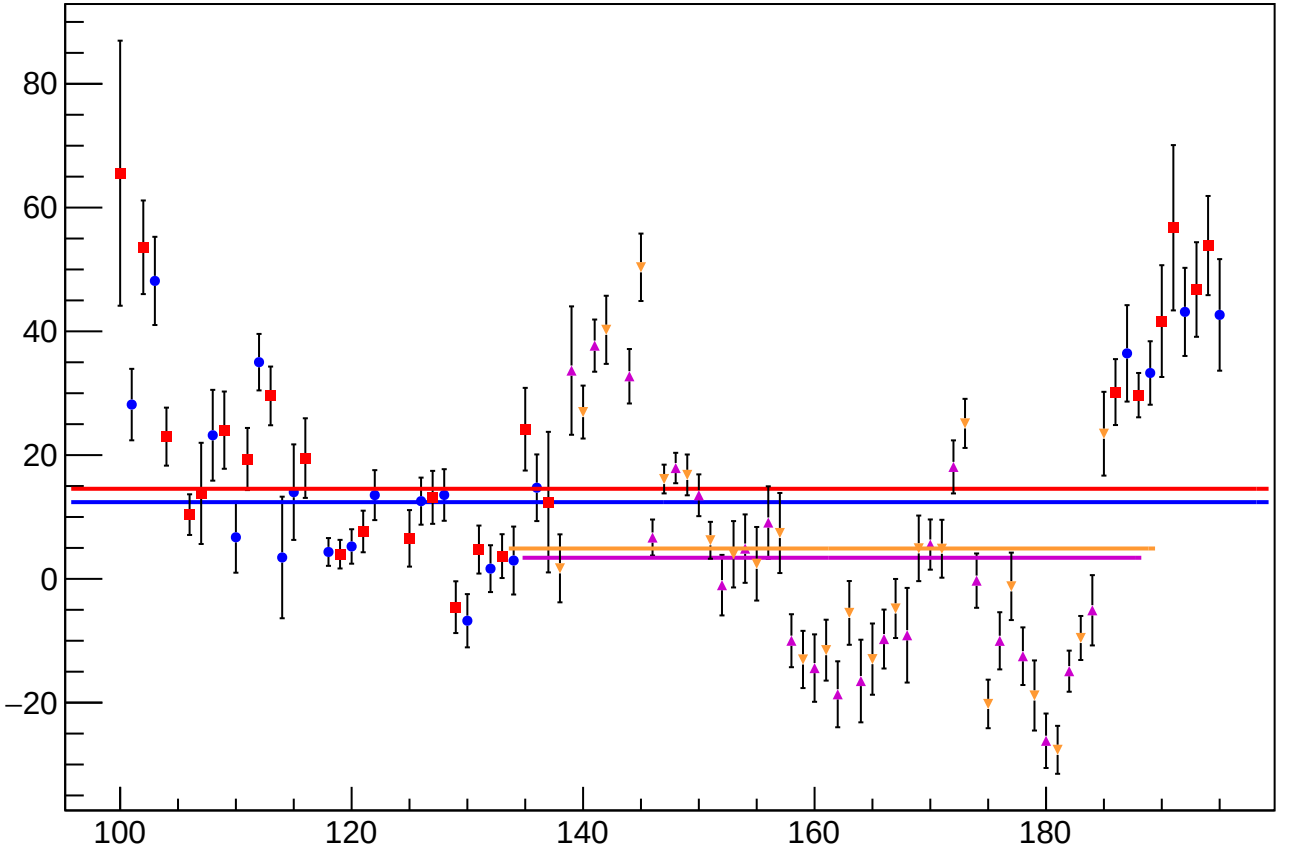
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.052+/-0.761 χ^2/NDF: 6396.1/43

All: -231.929+/-0.519 χ^2/NDF: 17842.0/90

- sign -230.077+/-0.711 χ^2/NDF: 11431.4/46

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: 14.558+/-0.961 χ^2/NDF: 205.4/23

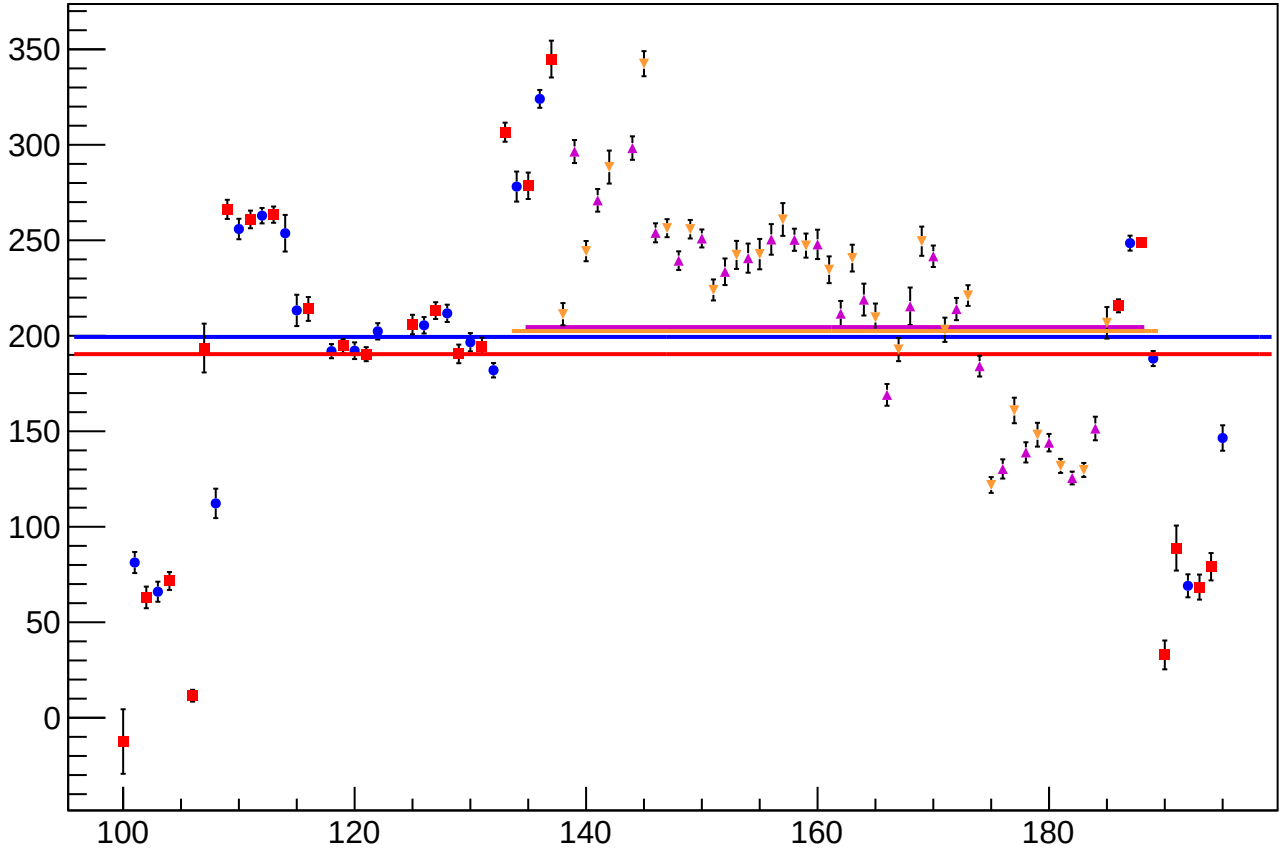
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.143+/-0.668 χ^2/NDF: 597.7/43

All: 8.386+/-0.469 χ^2/NDF: 1208.2/90

- sign 8.621+/-0.657 χ^2/NDF: 610.3/46

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: 190.392+/-0.931 χ^2/NDF: 8372.3/23

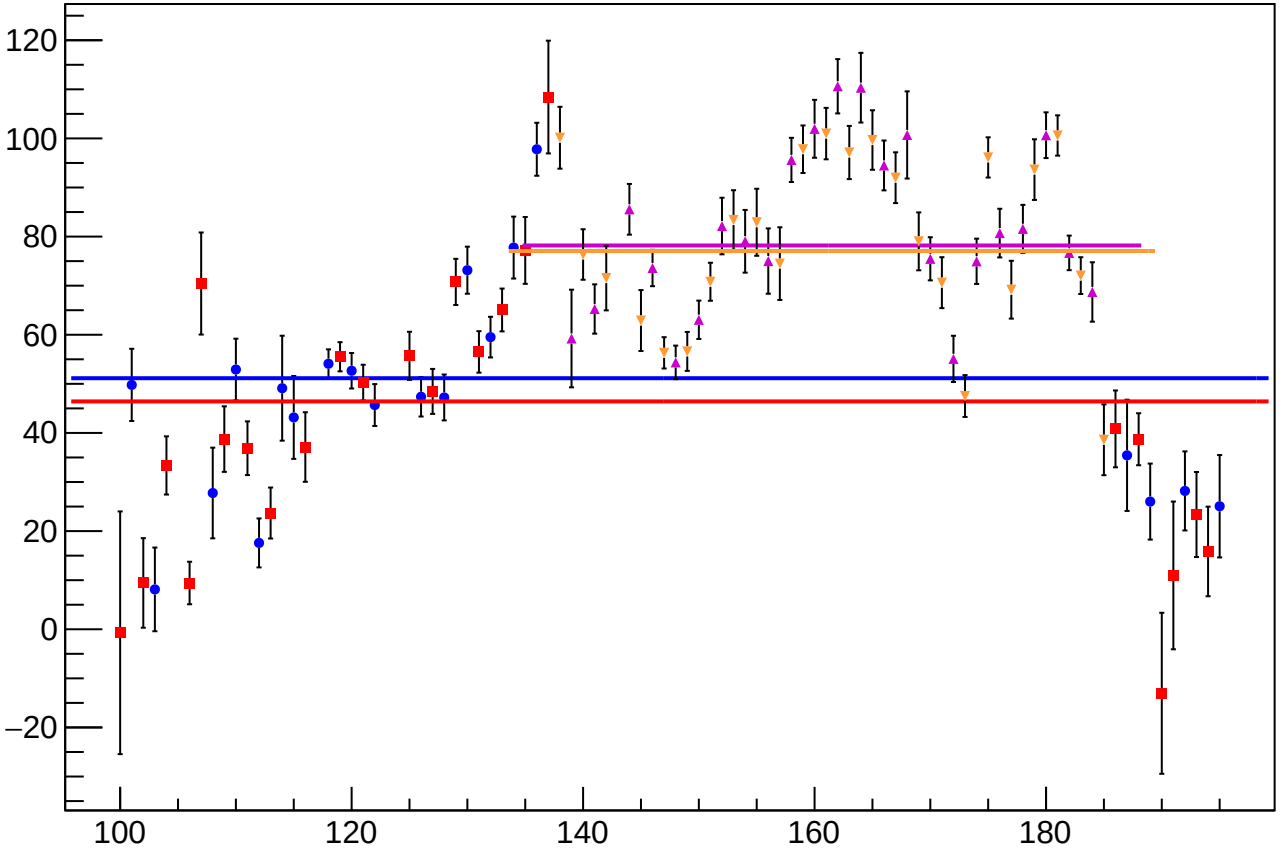
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 200.840+/-0.798 χ^2/NDF: 5565.0/43

All: 198.121+/-0.539 χ^2/NDF: 16333.5/90

- sign 195.843+/-0.730 χ^2/NDF: 10747.1/46

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: 46.420+/-1.144 χ^2/NDF: 282.6/23

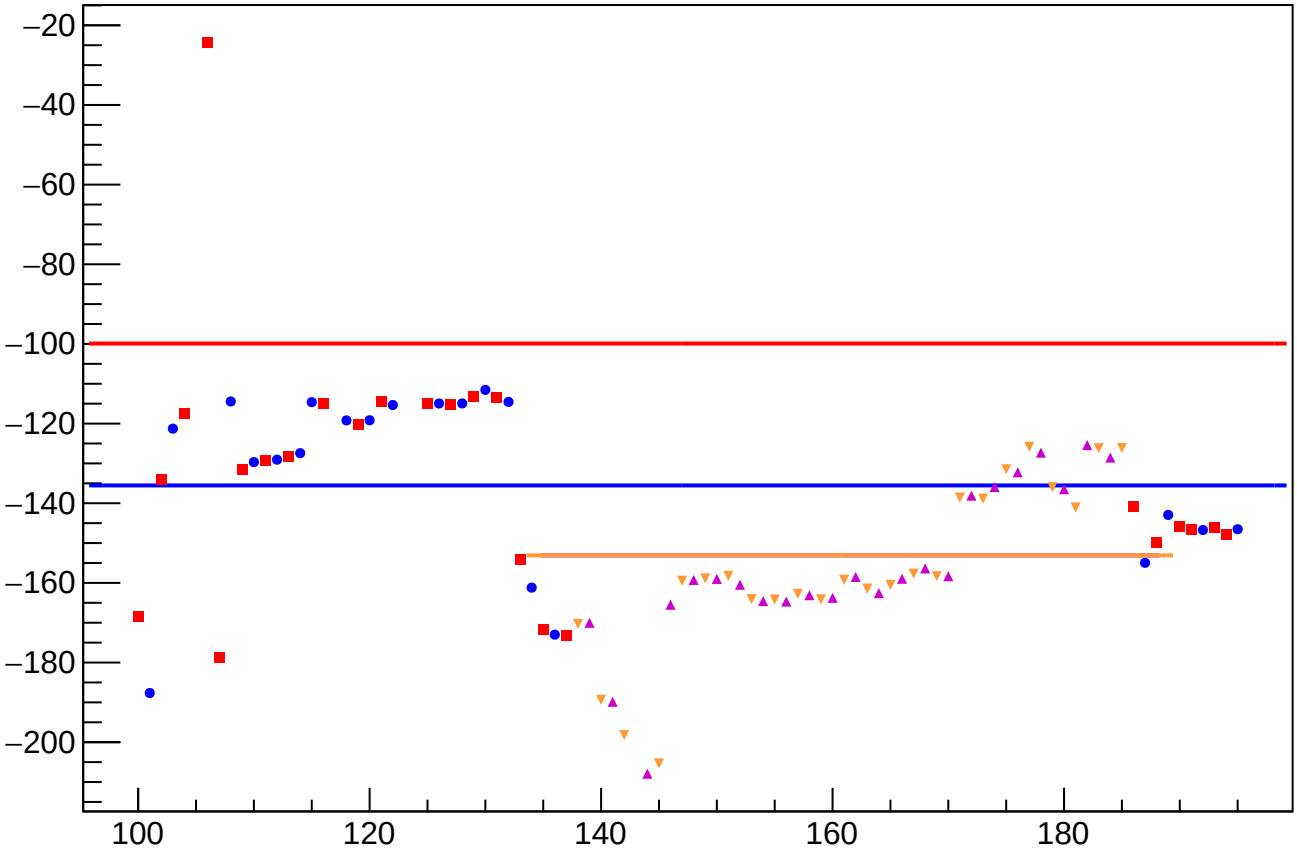
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.221+/-0.774 χ^2/NDF: 811.0/43

All: 65.115+/-0.544 χ^2/NDF: 1757.5/90

- sign 64.039+/-0.764 χ^2/NDF: 942.5/46

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: -99.901+/-0.058 χ^2/NDF: 882453.4/23

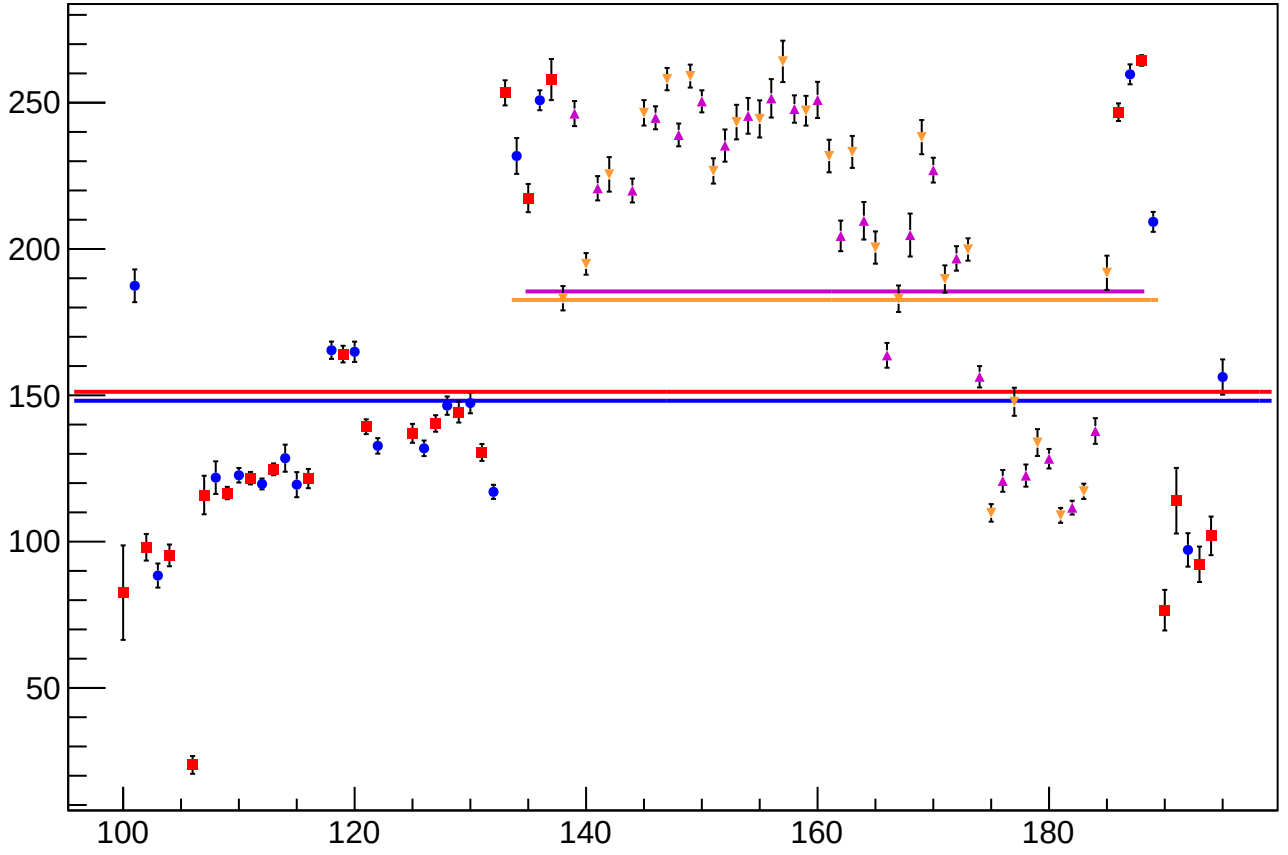
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.936+/-0.039 χ^2/NDF: 317885.6/43

All: -139.397+/-0.027 χ^2/NDF: 1966034.3/90

- sign -132.157+/-0.036 χ^2/NDF: 1561506.9/46

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: 151.206+/-0.652 χ^2/NDF: 9211.0/23

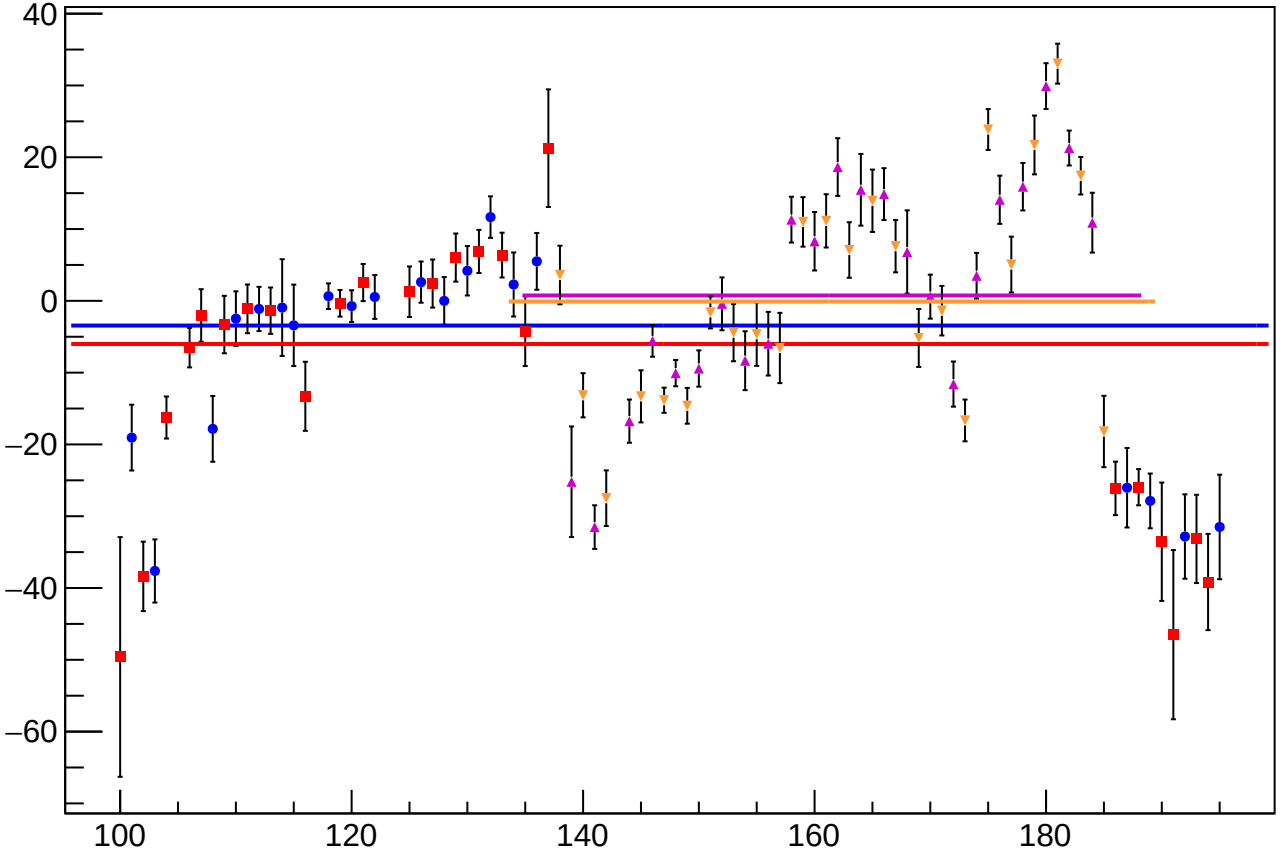
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.548+/-0.560 χ^2/NDF: 8625.5/43

All: 163.059+/-0.382 χ^2/NDF: 22651.1/90

- sign 163.504+/-0.522 χ^2/NDF: 14024.0/46

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: -6.010+/-0.720 χ^2/NDF: 319.9/23

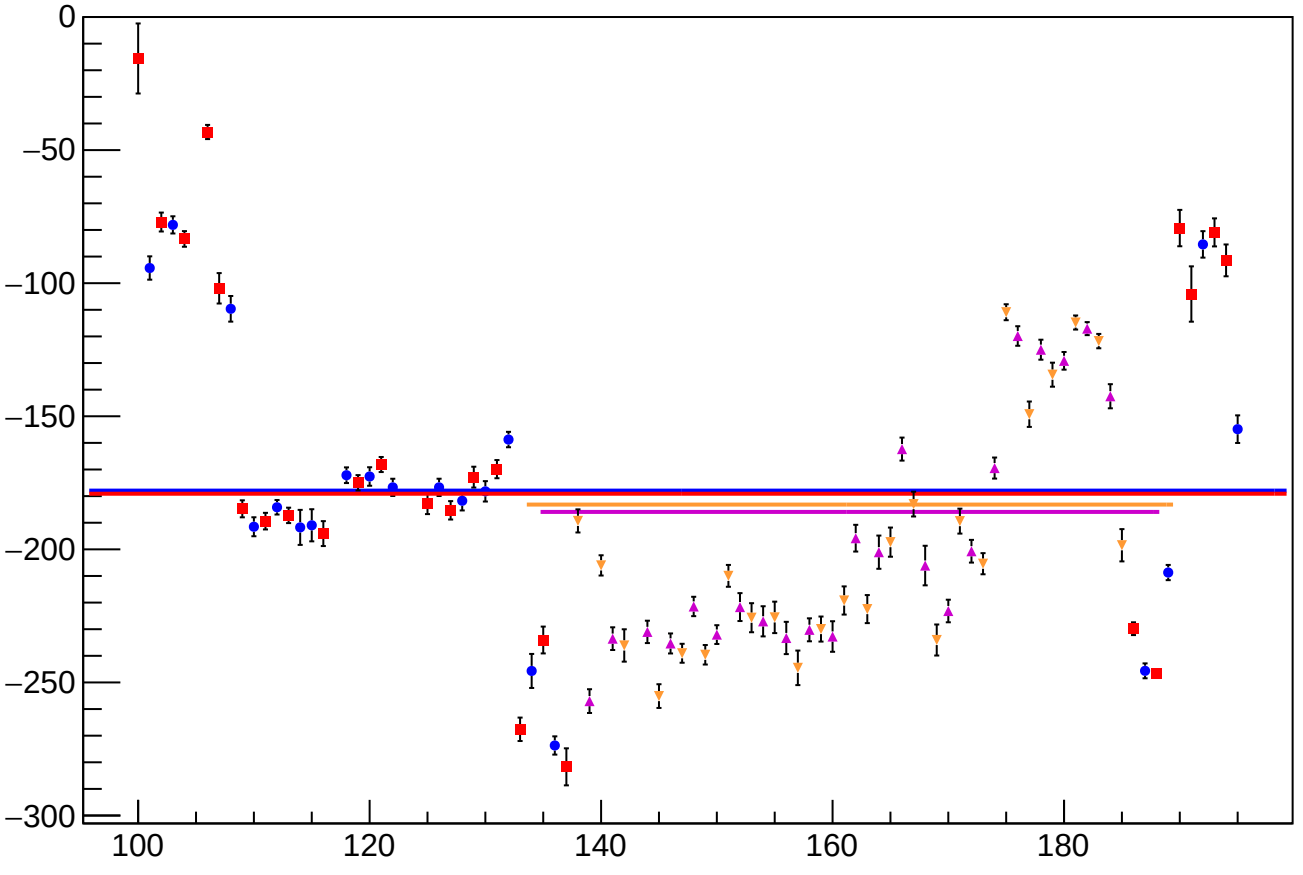
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.494+/-0.499 χ^2/NDF: 799.2/43

All: -1.939+/-0.349 χ^2/NDF: 1665.9/90

- sign -2.365+/-0.489 χ^2/NDF: 865.2/46

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: -179.103+/-0.685 χ^2/NDF: 9049.7/23

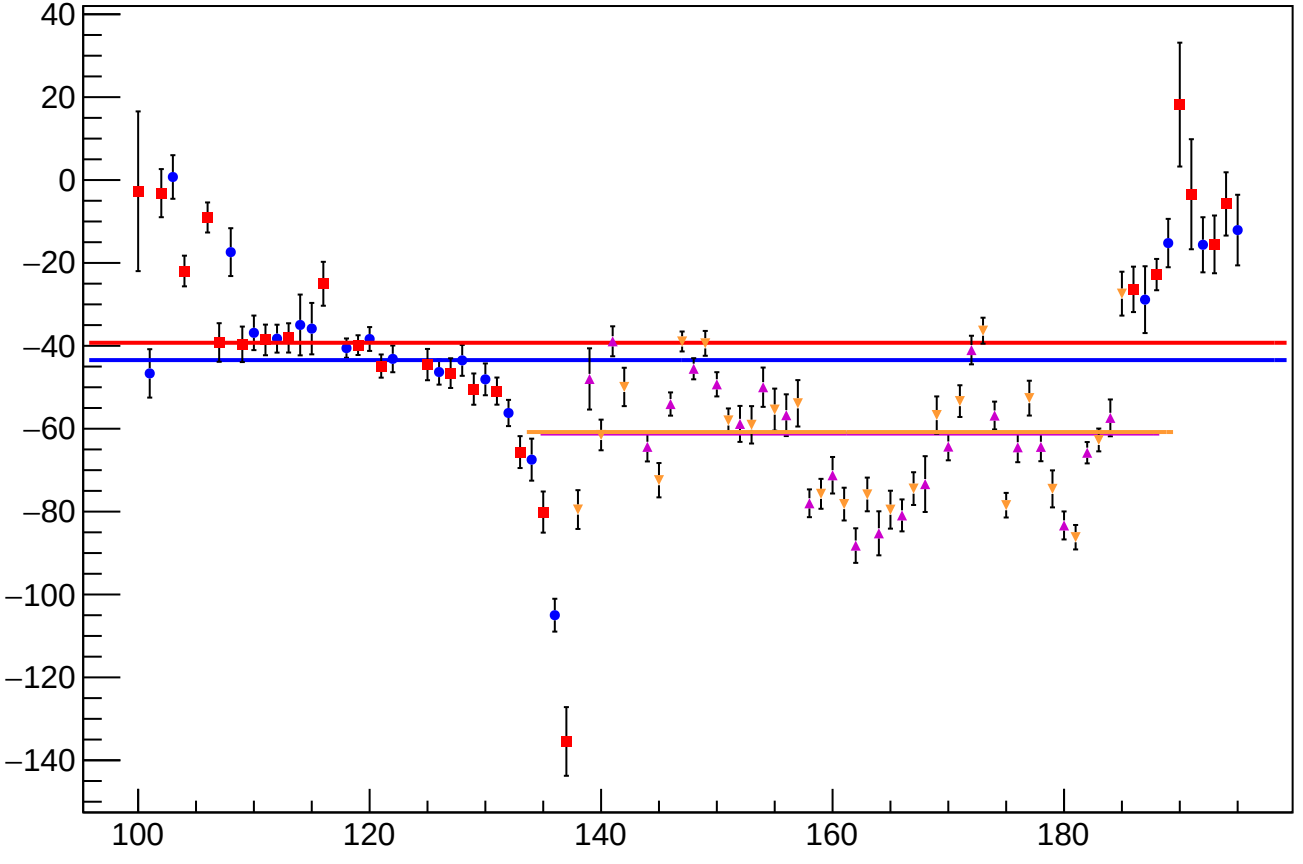
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.373+/-0.588 χ^2/NDF: 6941.1/43

All: -181.111+/-0.397 χ^2/NDF: 19213.5/90

- sign -181.727+/-0.537 χ^2/NDF: 12269.5/46

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: -39.263+/-0.857 χ^2/NDF: 499.7/23

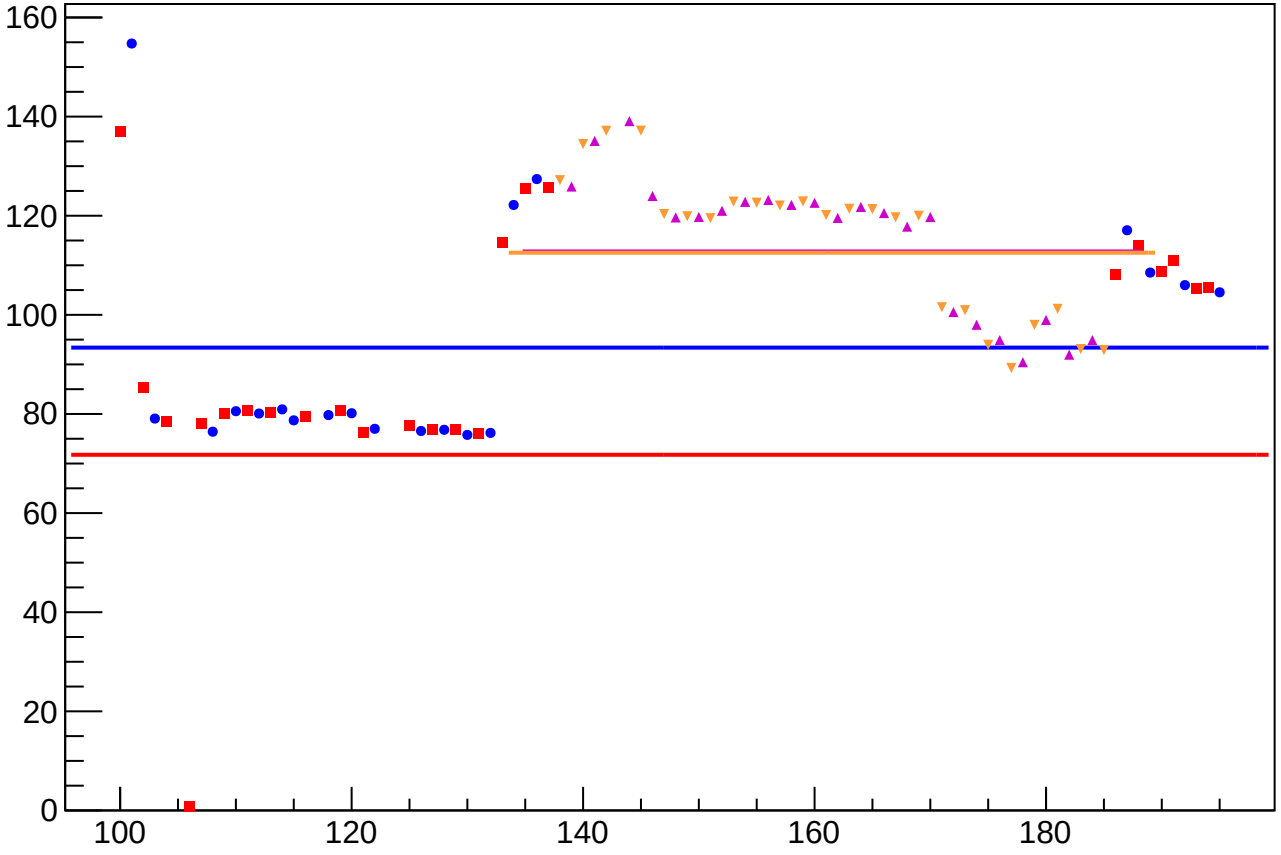
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.754+/-0.577 χ^2/NDF: 1135.8/43

All: -52.646+/-0.405 χ^2/NDF: 2326.7/90

- sign -51.575+/-0.567 χ^2/NDF: 1183.6/46

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: 71.766+/-0.045 χ^2/NDF: 804199.9/23

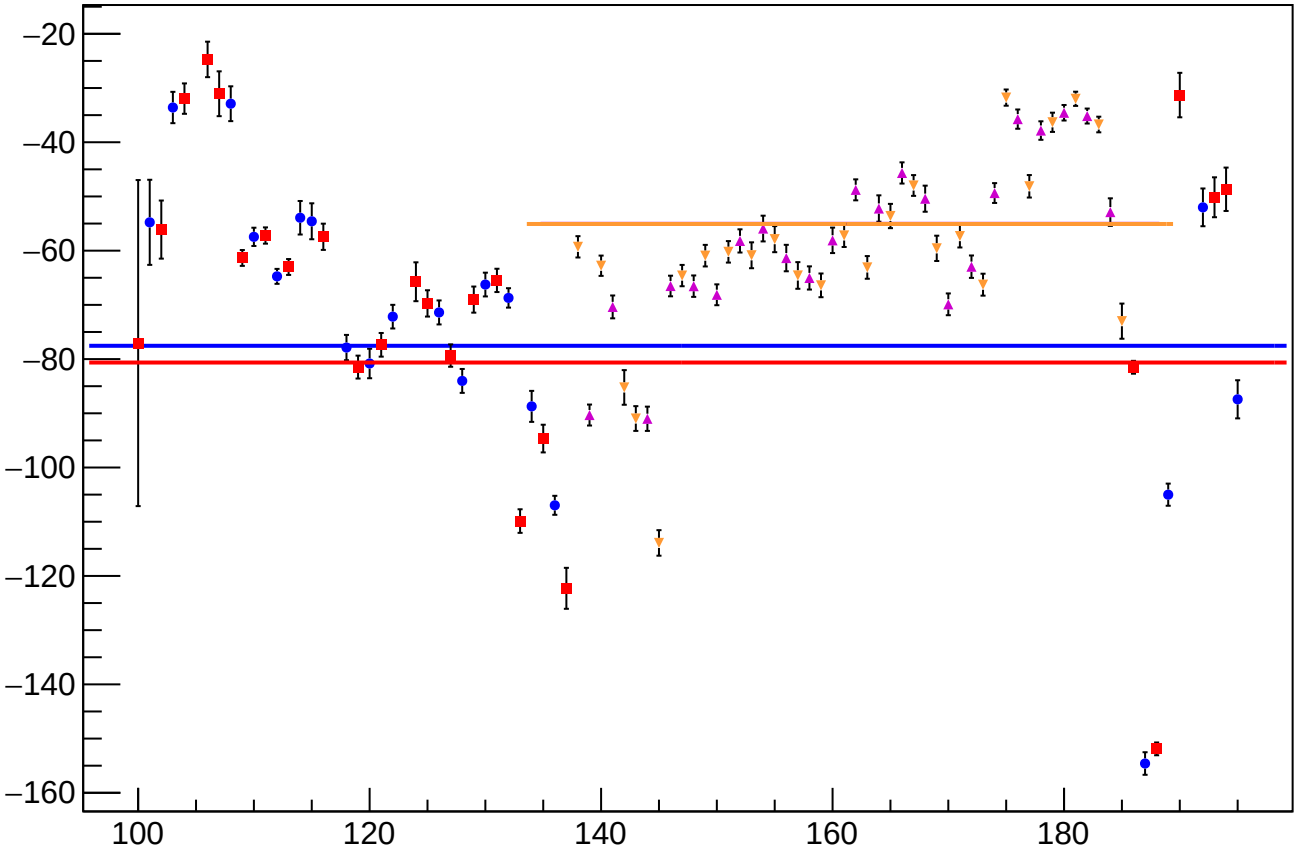
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.904+/-0.029 χ^2/NDF: 439390.4/43

All: 101.956+/-0.020 χ^2/NDF: 1996347.7/90

- sign 97.582+/-0.027 χ^2/NDF: 1502311.1/46

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: -80.635+/-0.437 χ^2/NDF: 5784.6/23

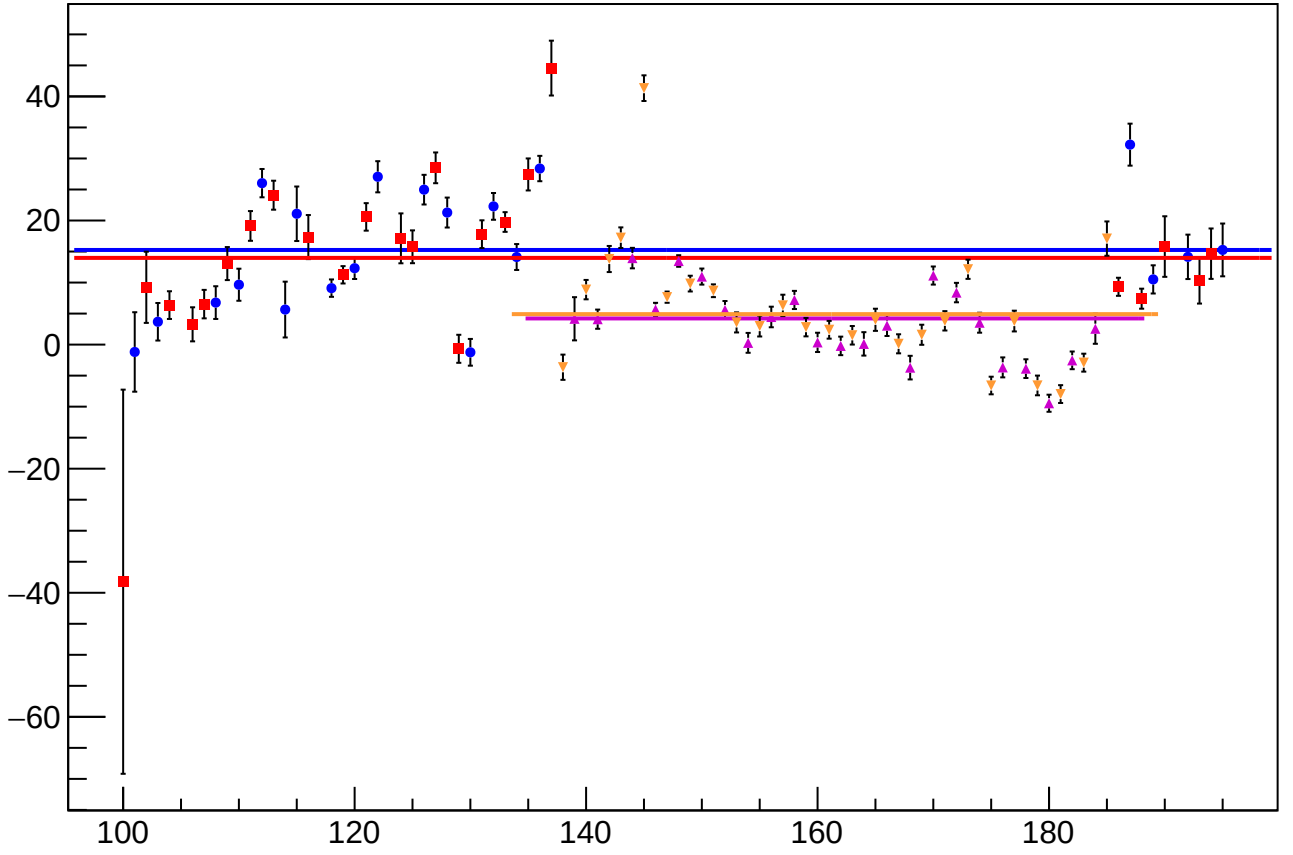
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.654+/-0.315 χ^2/NDF: 5956.9/44

All: -65.432+/-0.217 χ^2/NDF: 15164.3/91

- sign -67.037+/-0.299 χ^2/NDF: 9146.8/46

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: 13.976+/-0.486 χ^2/NDF: 274.6/23

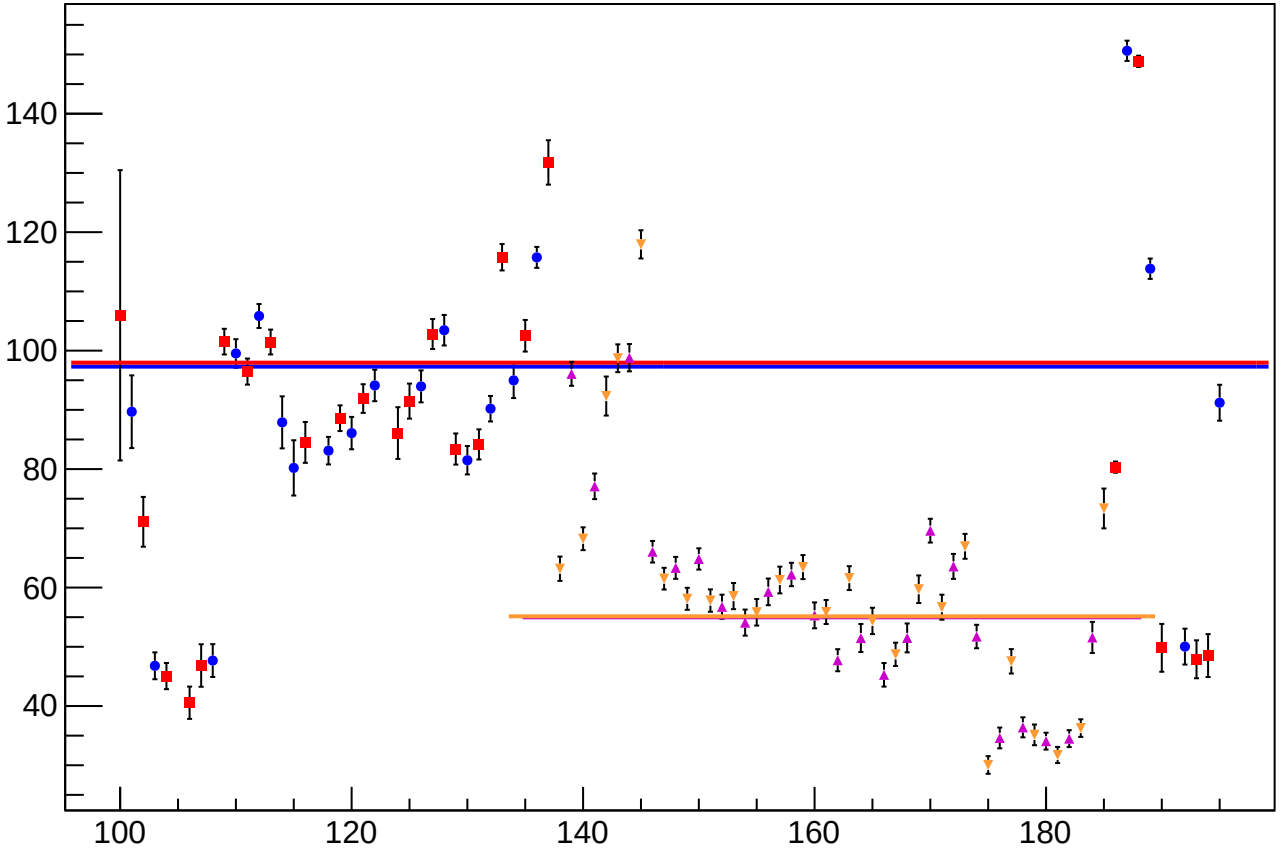
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.338+/-0.264 χ^2/NDF: 1290.2/44

All: 7.204+/-0.186 χ^2/NDF: 2266.0/91

- sign 7.071+/-0.263 χ^2/NDF: 975.4/46

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: 97.970+/-0.443 χ^2/NDF: 5326.1/23

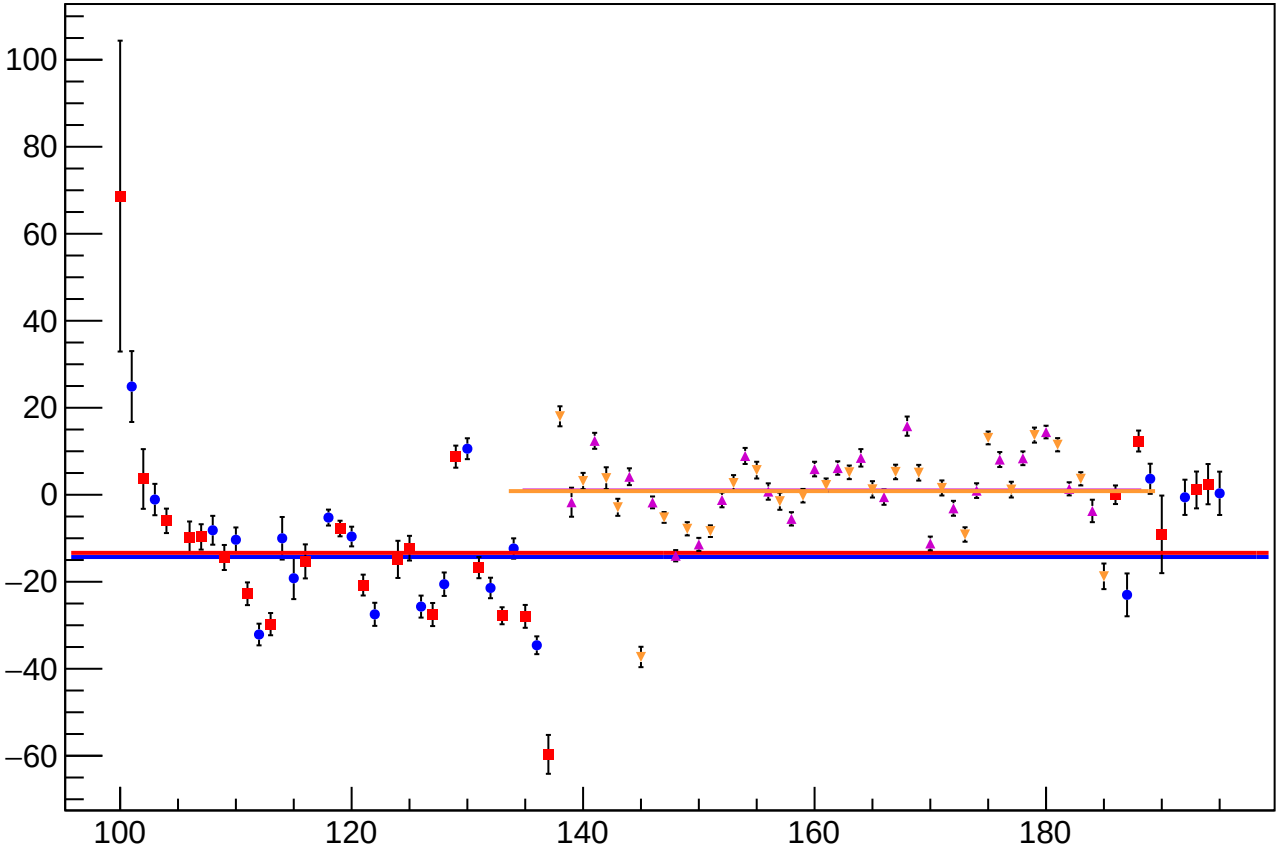
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.661+/-0.321 χ^2/NDF: 8521.1/44

All: 72.287+/-0.219 χ^2/NDF: 20873.3/91

- sign 74.564+/-0.299 χ^2/NDF: 12227.6/46

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

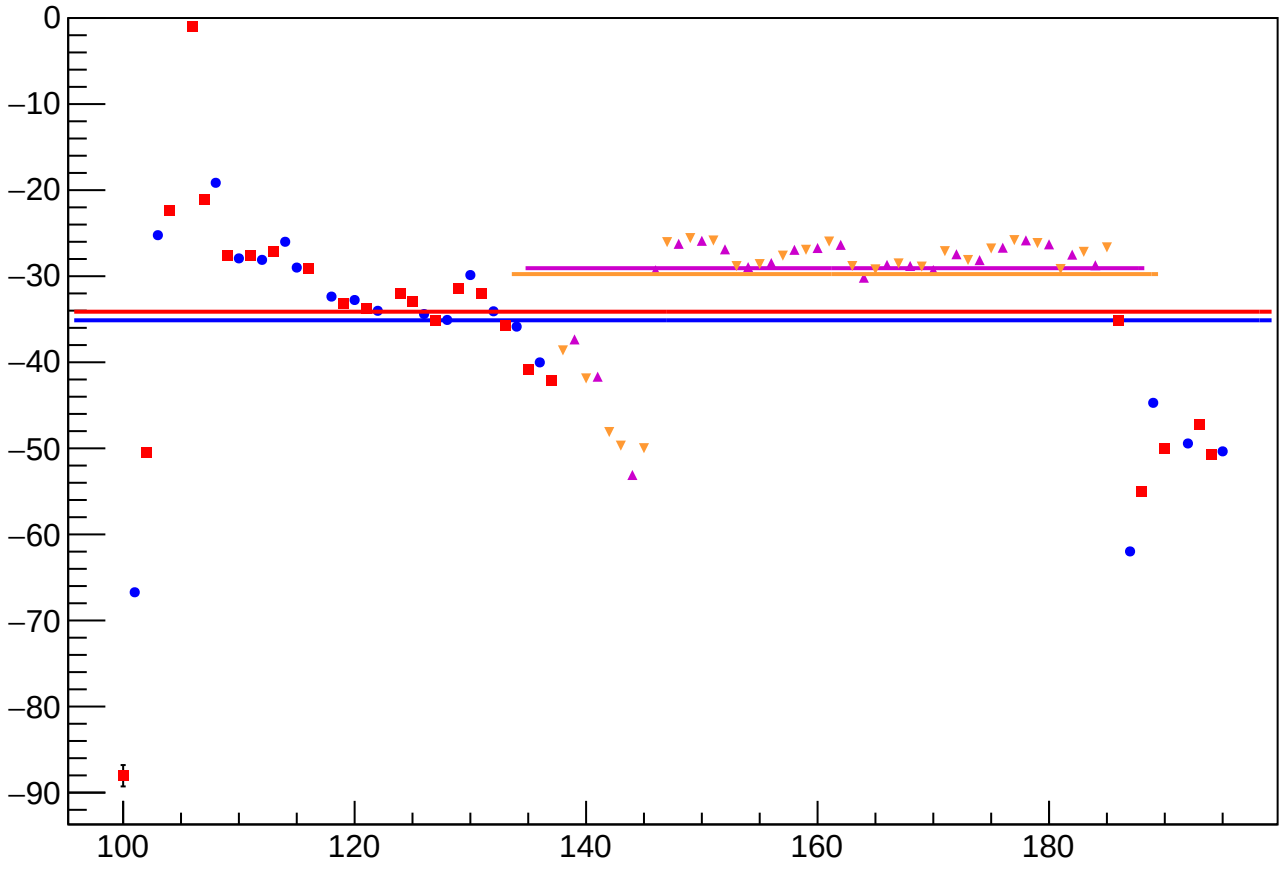
Right Out: -13.356+/-0.585 χ^2/NDF: 570.9/23

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.586+/-0.302 χ^2/NDF: 1598.5/44

All: -2.718+/-0.214 χ^2/NDF: 3168.1/91

- sign -2.850+/-0.302 χ^2/NDF: 1569.2/46



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: -34.123+/-0.033 χ^2/NDF: 168625.9/23

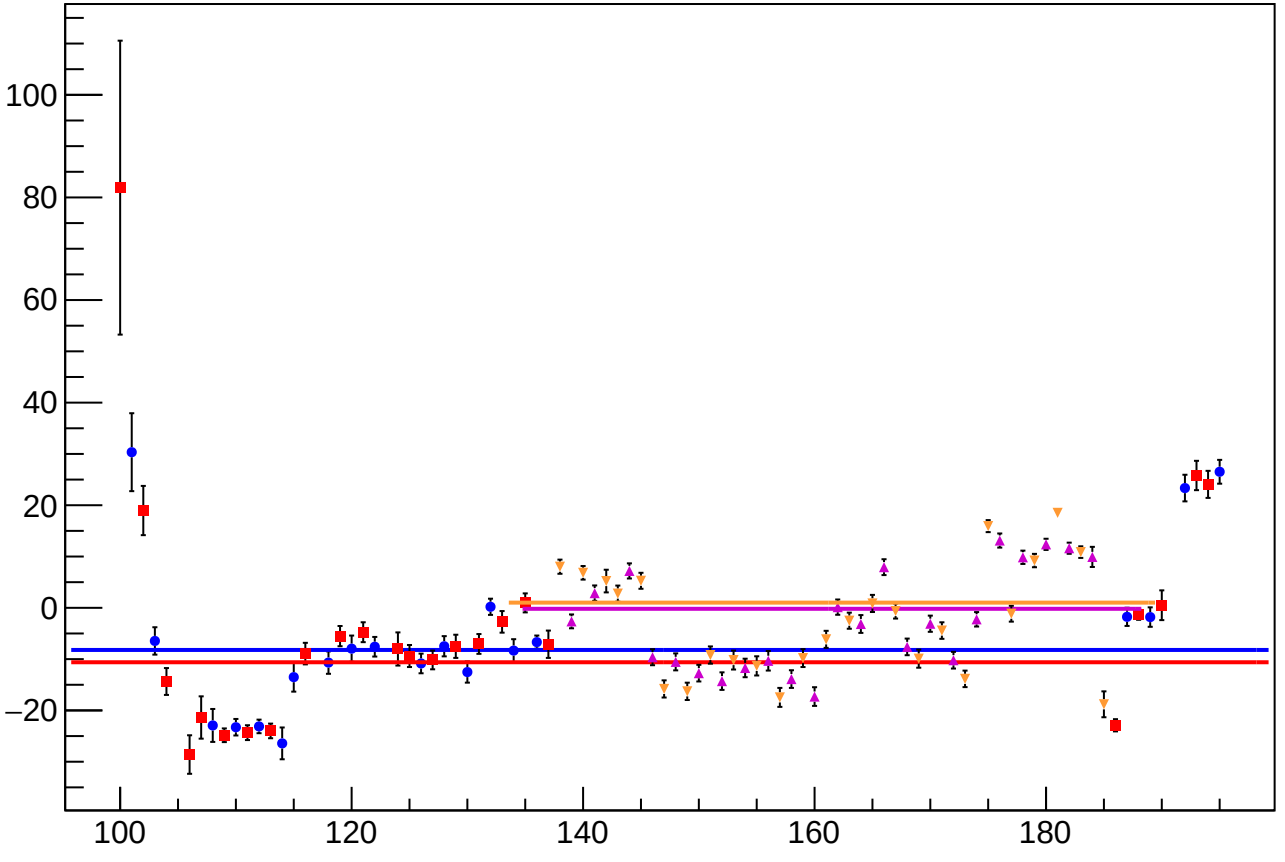
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.657+/-0.014 χ^2/NDF: 266906.4/44

All: -30.331+/-0.010 χ^2/NDF: 557107.2/91

- sign -30.004+/-0.014 χ^2/NDF: 289147.7/46

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: -10.611+/-0.396 χ^2/NDF: 989.1/23

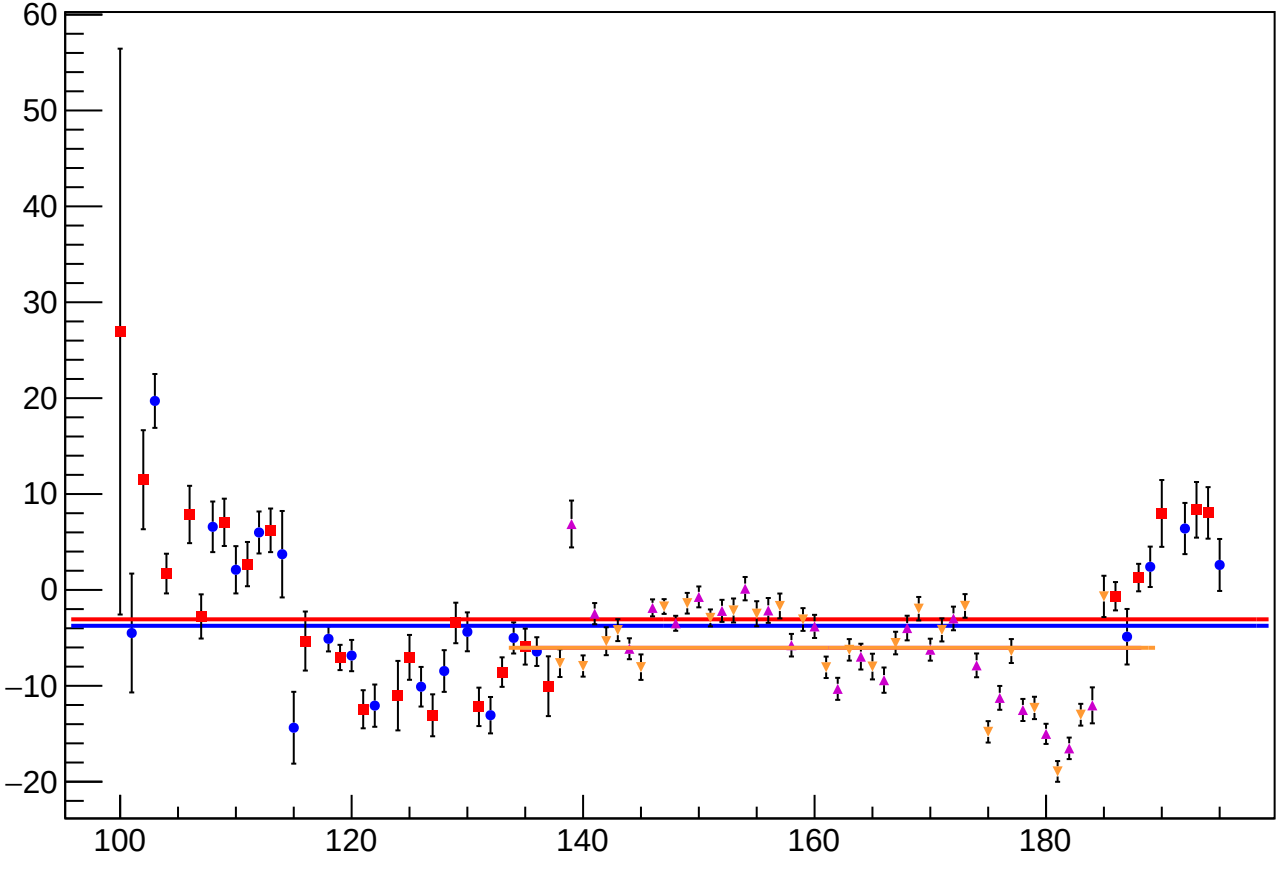
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

\+ sign -1.905+/-0.252 χ^2/NDF: 2359.0/44

All: -3.094+/-0.176 χ^2/NDF: 4799.6/91

\- sign -4.229+/-0.246 χ^2/NDF: 2397.0/46

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: -3.066+/-0.443 χ^2/NDF: 223.3/23

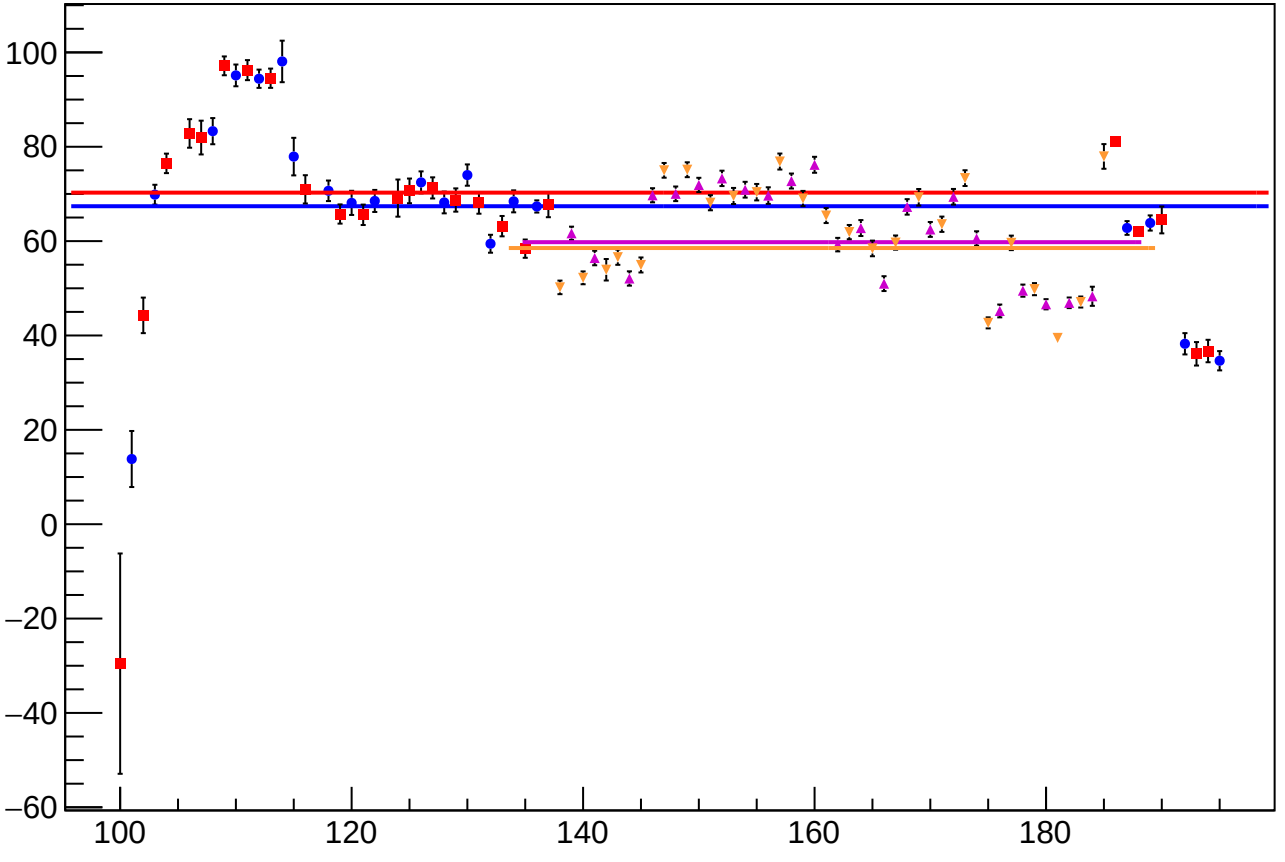
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.595+/-0.210 χ^2/NDF: 644.5/44

All: -5.478+/-0.149 χ^2/NDF: 1299.3/91

- sign -5.356+/-0.213 χ^2/NDF: 654.2/46

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: 70.276+/-0.401 χ^2/NDF: 1252.5/23

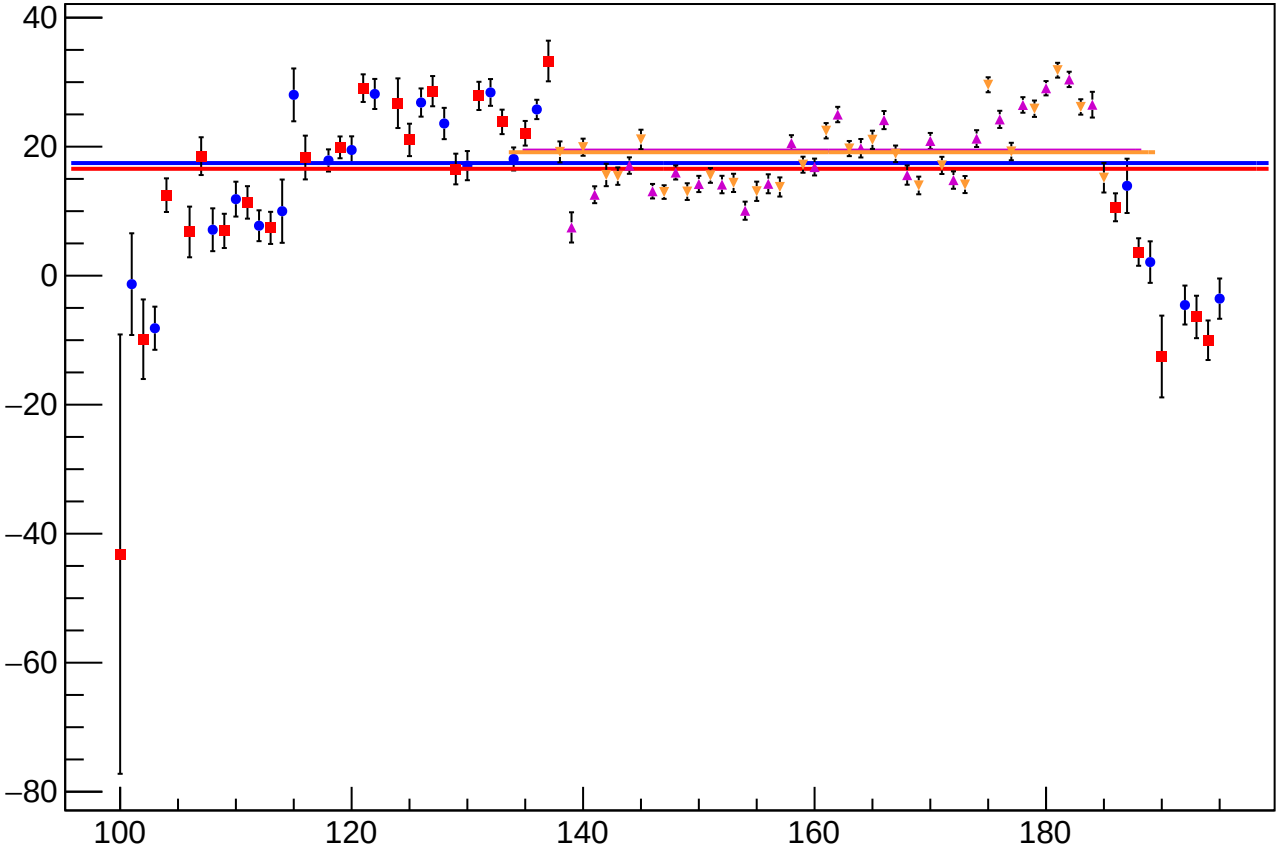
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.092+/-0.255 χ^2/NDF: 2679.4/44

All: 62.459+/-0.177 χ^2/NDF: 5484.8/91

\- sign 63.726+/-0.246 χ^2/NDF: 2750.2/46

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: 16.567+/-0.529 χ^2/NDF: 403.3/23

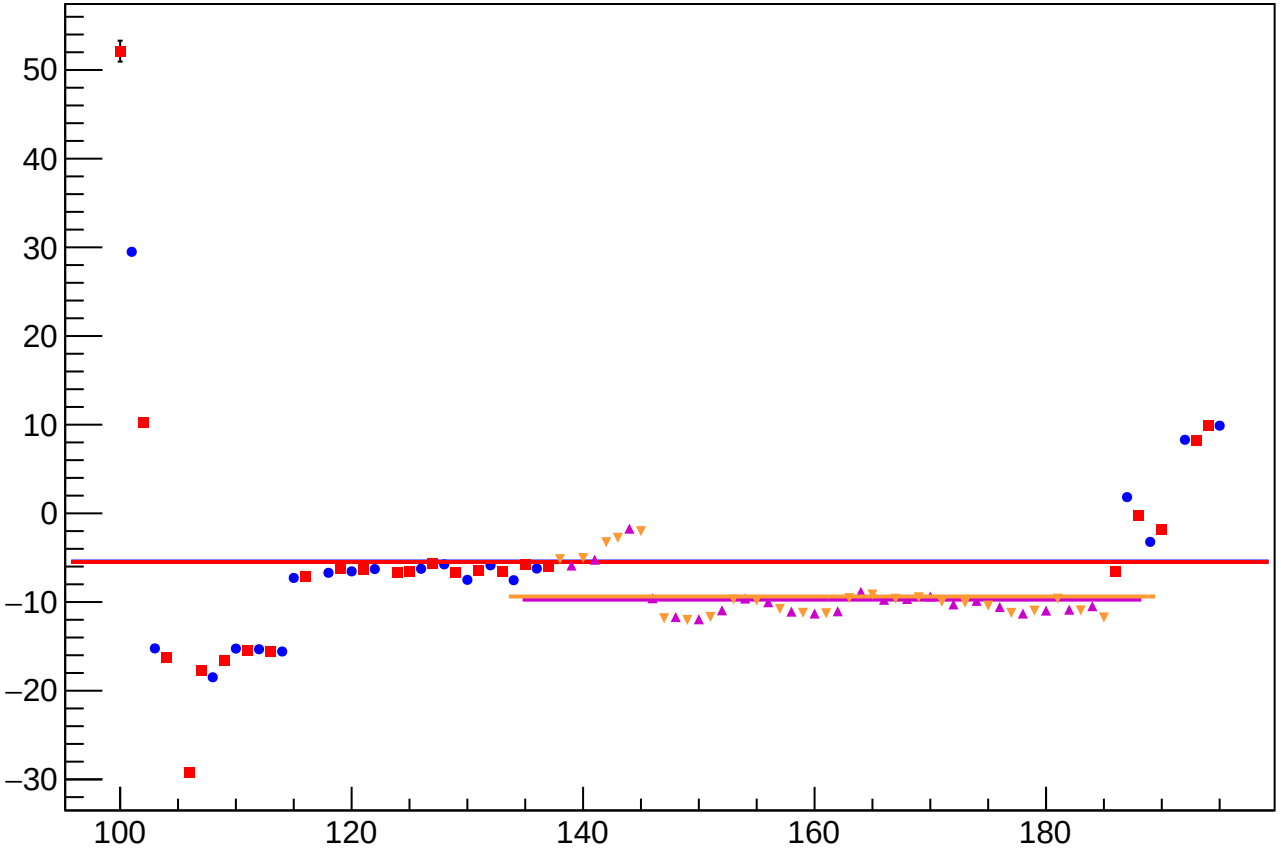
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.825+/-0.238 χ^2/NDF: 772.5/44

All: 18.810+/-0.170 χ^2/NDF: 1666.0/91

- sign 18.794+/-0.243 χ^2/NDF: 893.5/46

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: -5.486+/-0.029 χ^2/NDF: 120681.1/23

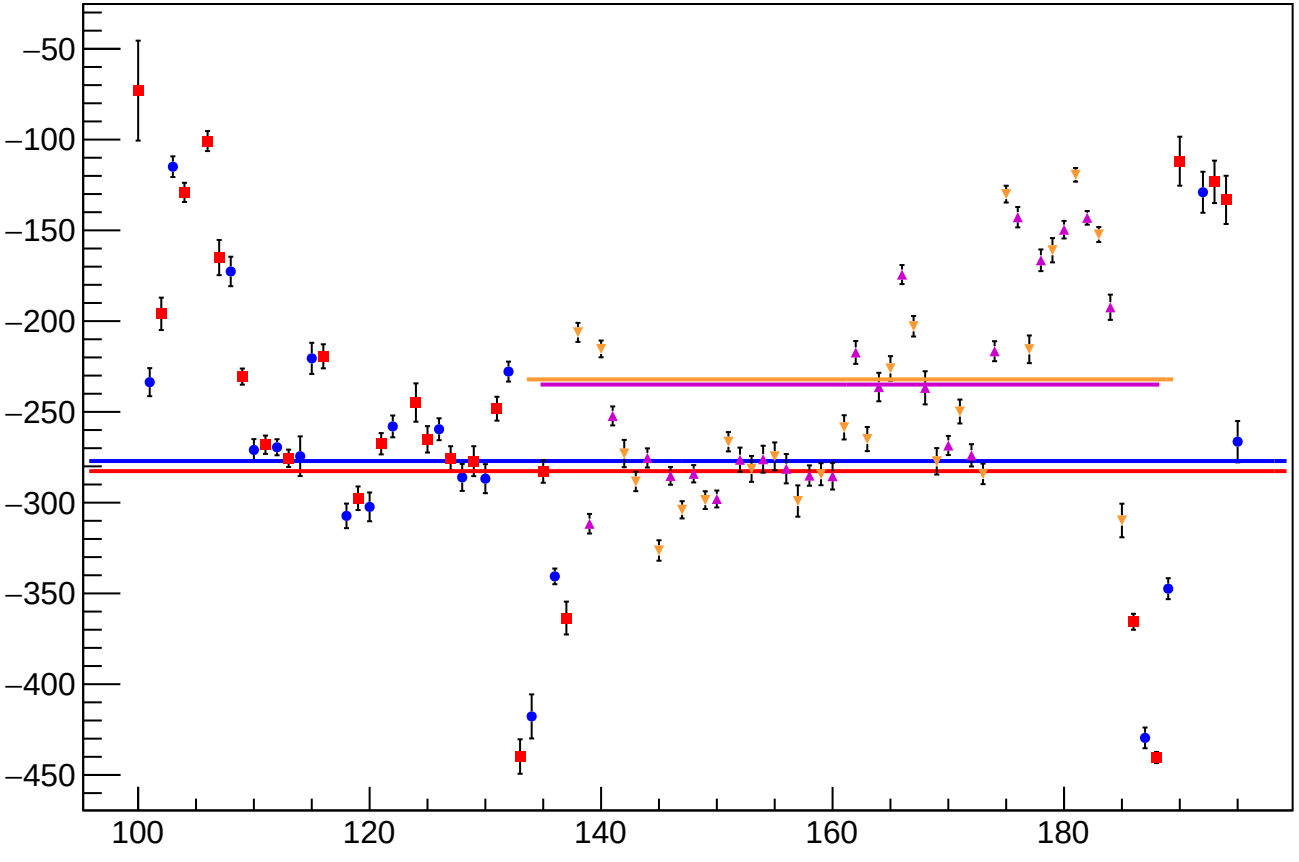
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.794+/-0.011 χ^2/NDF: 159766.1/44

All: -8.937+/-0.008 χ^2/NDF: 331302.9/91

- sign -9.084+/-0.011 χ^2/NDF: 171195.5/46

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: -282.640+/-1.273 χ^2/NDF: 6357.8/23

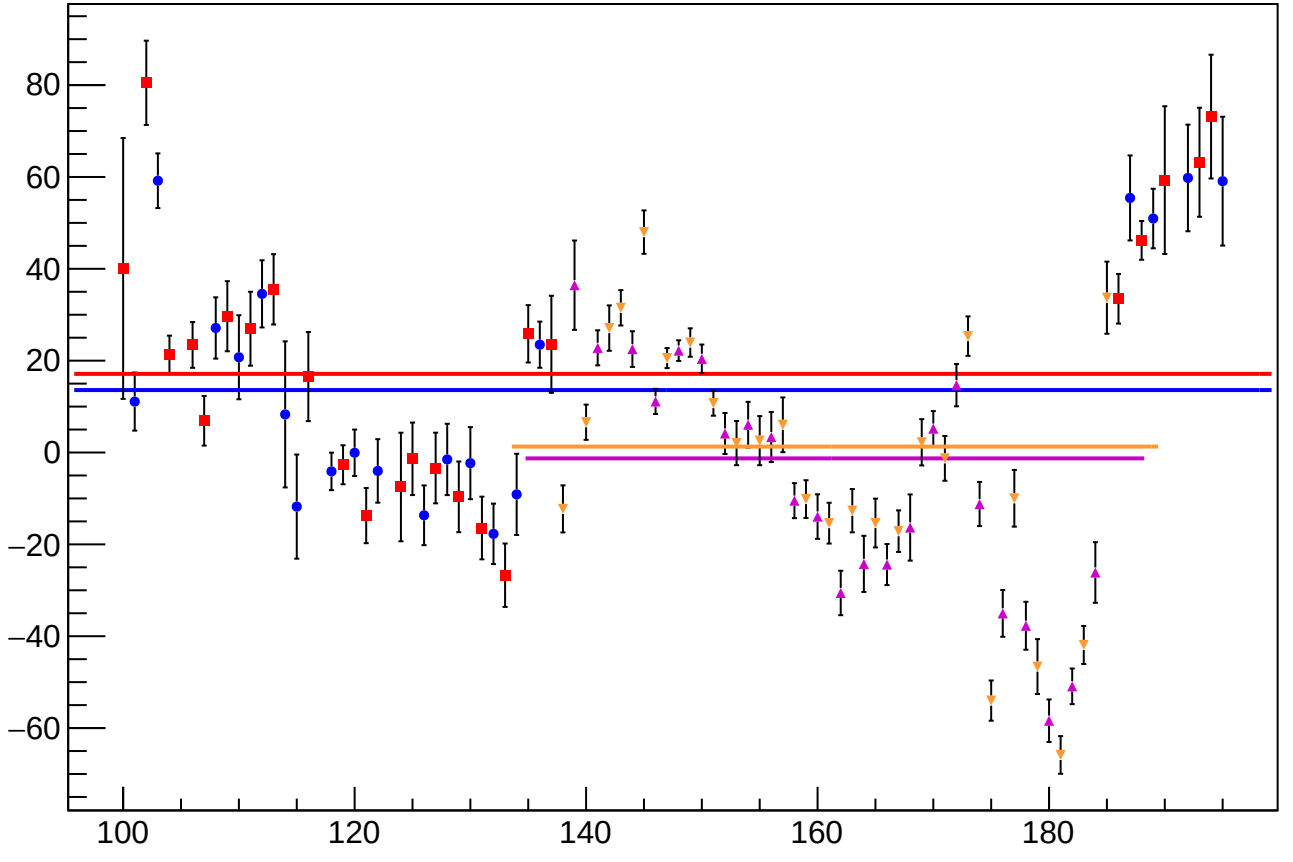
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

\+ sign -248.985+/-0.903 χ^2/NDF: 6420.5/44

All: -253.126+/-0.624 χ^2/NDF: 16046.3/91

\- sign -256.910+/-0.864 χ^2/NDF: 9585.6/46

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: 17.127+/-1.375 χ^2/NDF: 304.3/23

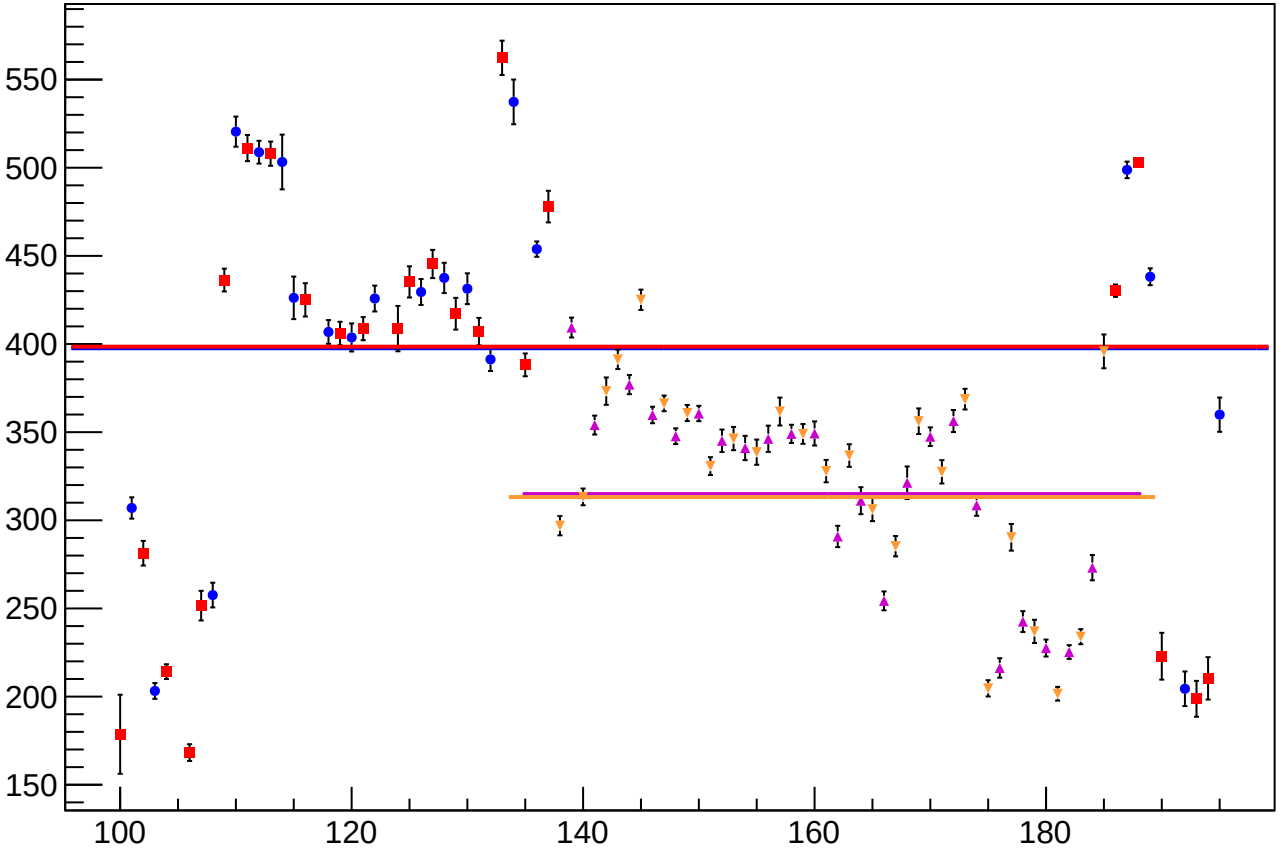
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 4.080+/-0.736 χ^2/NDF: 1346.3/44

All: 4.027+/-0.520 χ^2/NDF: 2590.0/91

\- sign 3.973+/-0.734 χ^2/NDF: 1243.6/46

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: 398.490+/-1.252 χ^2/NDF: 8612.2/23

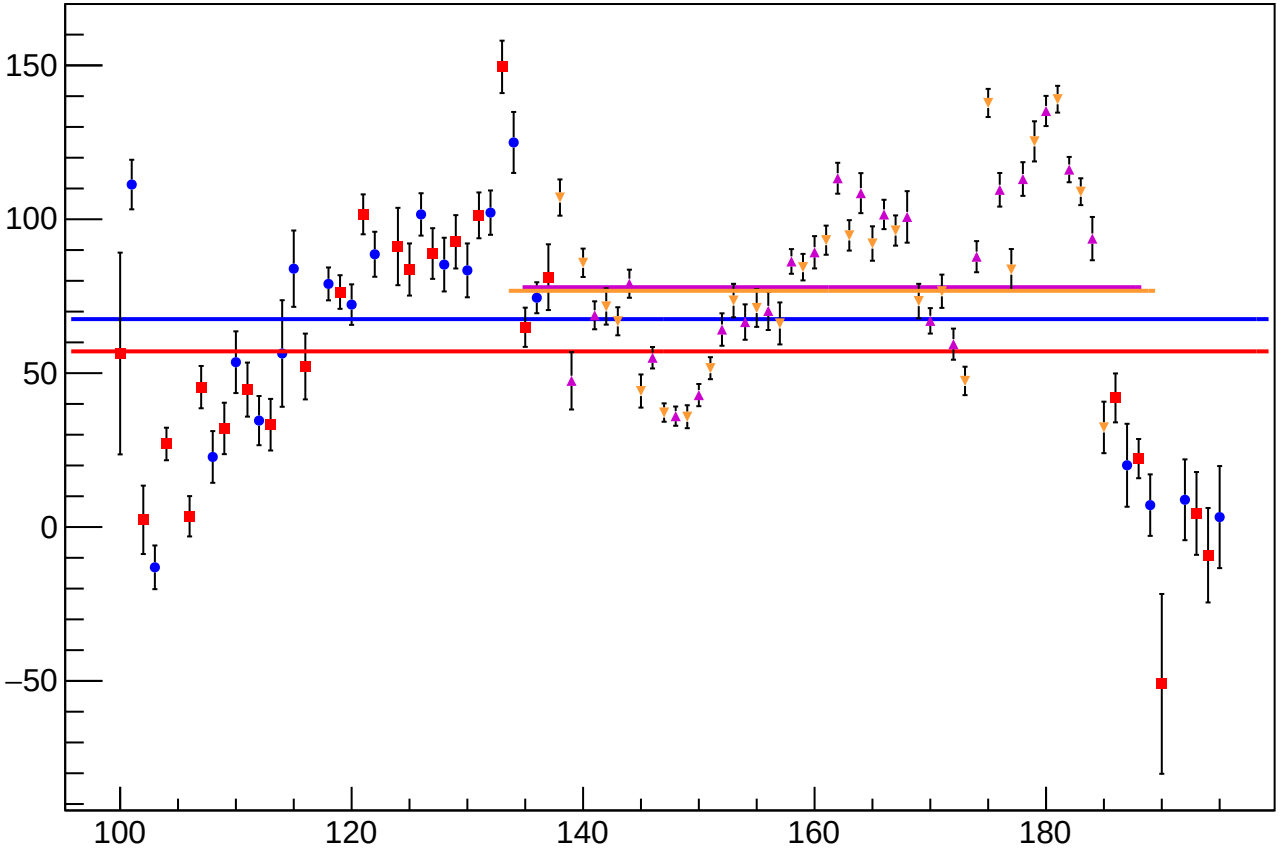
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.675+/-0.906 χ^2/NDF: 9496.3/44

All: 348.914+/-0.621 χ^2/NDF: 22998.2/91

- sign 353.536+/-0.851 χ^2/NDF: 13439.0/46

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: 57.076+/-1.662 χ^2/NDF: 495.2/23

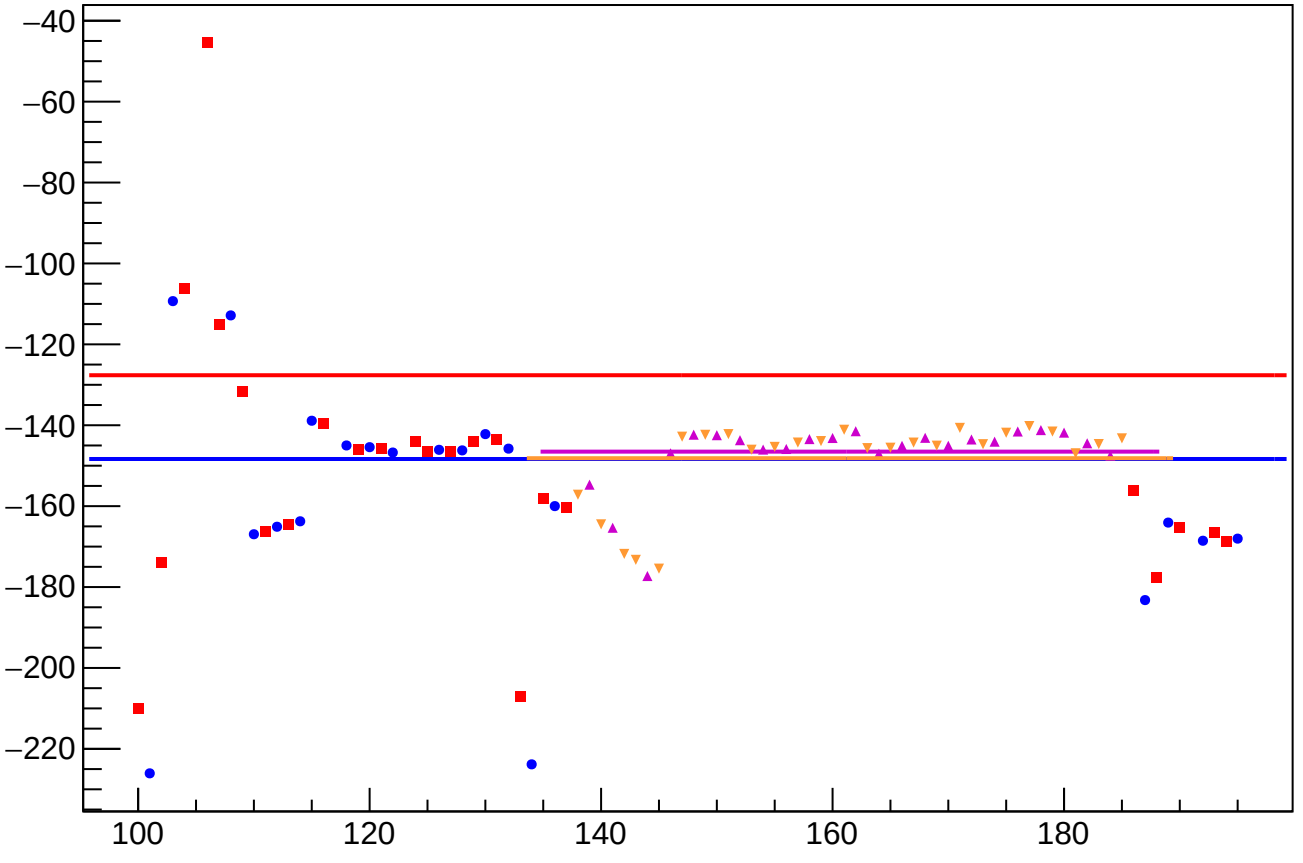
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.728+/-0.853 χ^2/NDF: 1451.1/44

All: 73.571+/-0.604 χ^2/NDF: 2849.5/91

- sign 72.409+/-0.855 χ^2/NDF: 1394.7/46

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: -127.634+/-0.082 χ^2/NDF: 319728.9/23

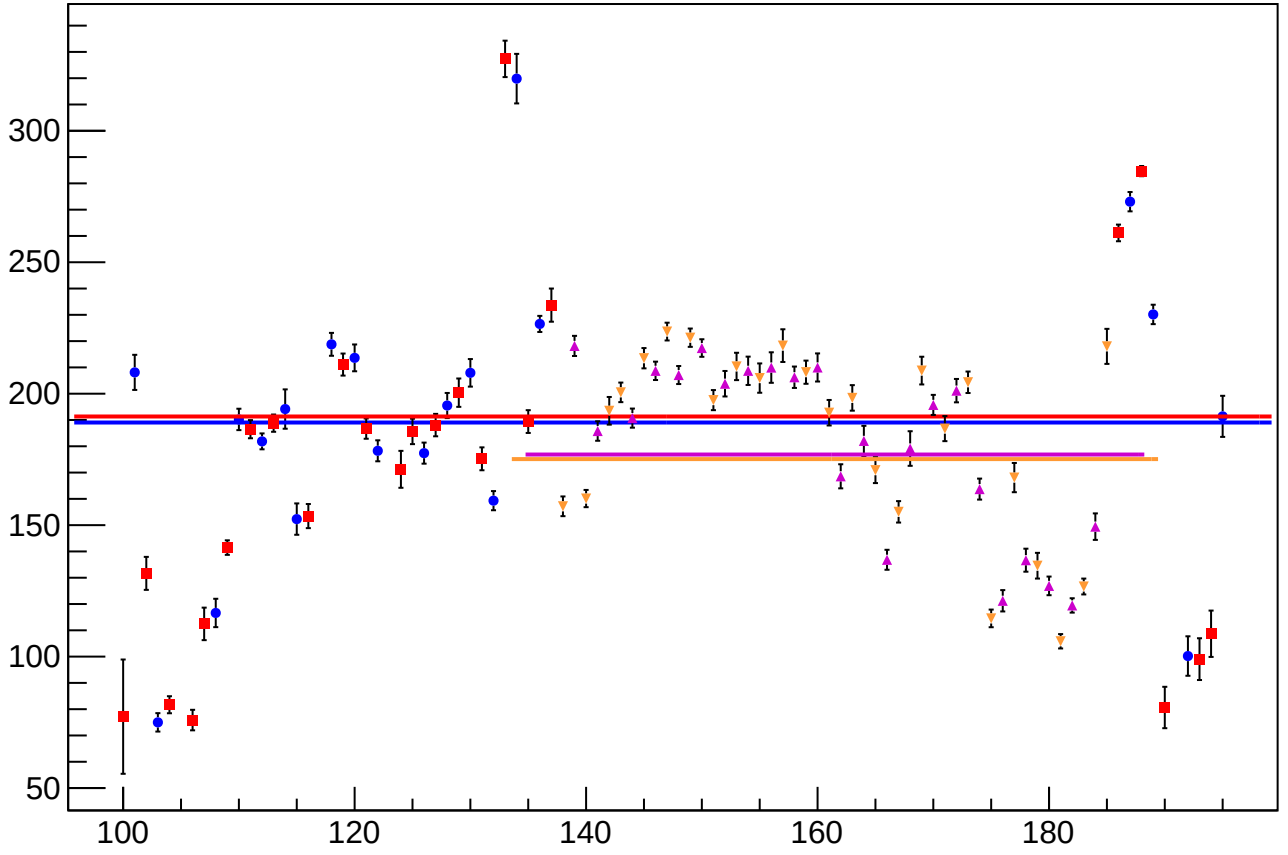
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.186+/-0.040 χ^2/NDF: 188989.2/44

All: -145.068+/-0.028 χ^2/NDF: 590285.6/91

- sign -142.051+/-0.040 χ^2/NDF: 389610.2/46

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: 191.329+/-0.842 χ^2/NDF: 6410.6/23

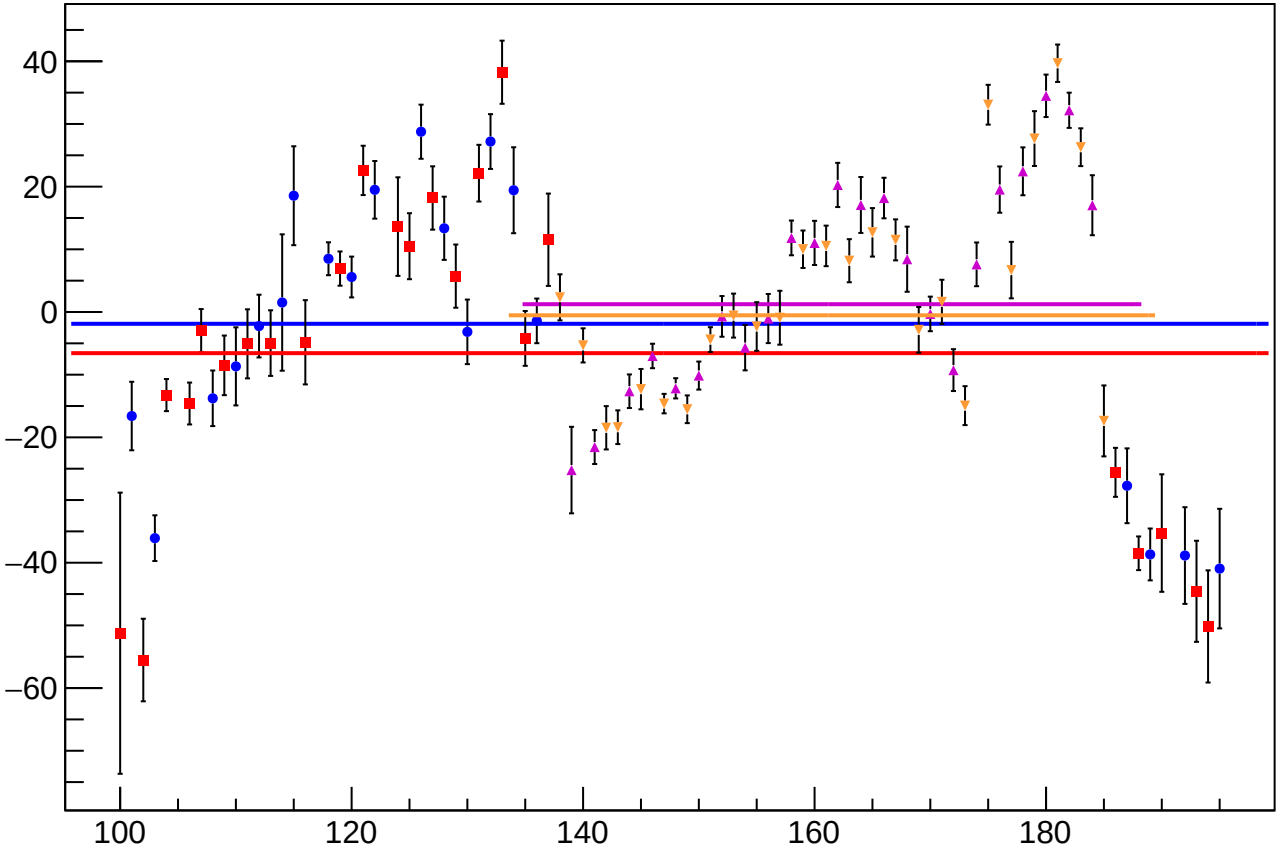
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.819+/-0.632 χ^2/NDF: 5001.5/44

All: 182.571+/-0.434 χ^2/NDF: 13329.5/91

- sign 184.137+/-0.597 χ^2/NDF: 8313.4/46

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: -6.566+/-0.906 χ^2/NDF: 545.7/23

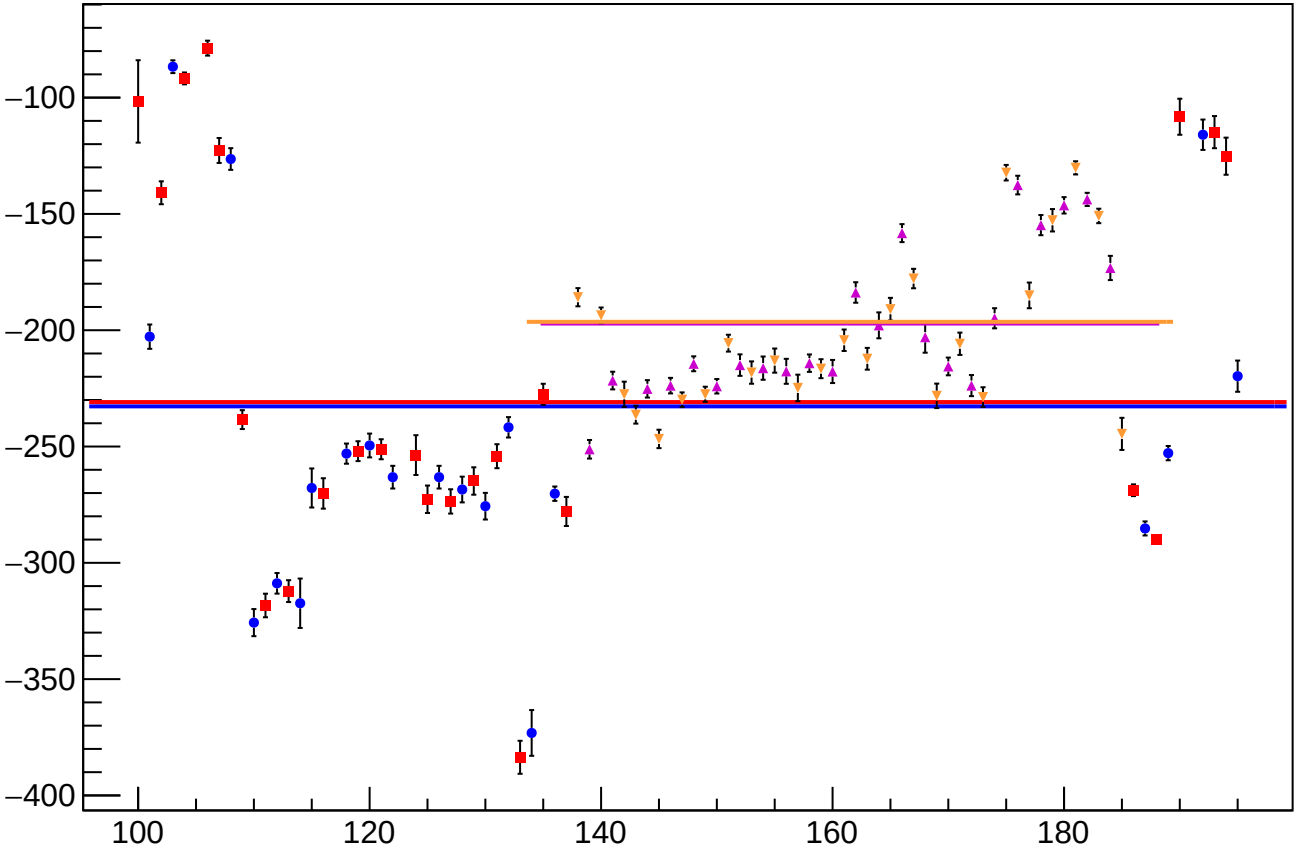
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.866+/-0.520 χ^2/NDF: 1129.6/44

All: -1.074+/-0.366 χ^2/NDF: 2346.5/91

- sign -1.278+/-0.515 χ^2/NDF: 1216.6/46

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: -230.884+/-0.825 χ^2/NDF: 9759.1/23

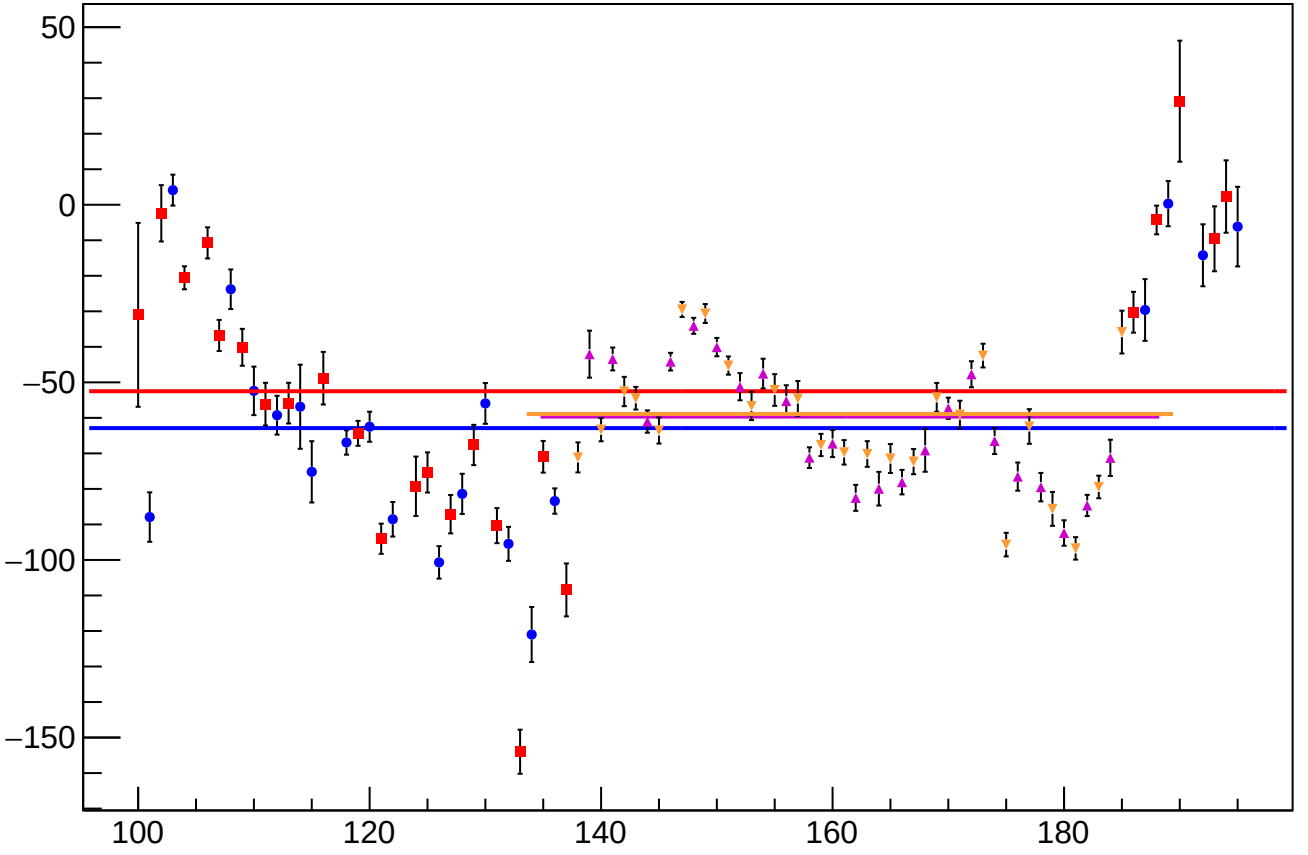
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.779+/-0.634 χ^2/NDF: 8024.6/44

All: -212.649+/-0.431 χ^2/NDF: 20227.0/91

- sign -214.255+/-0.587 χ^2/NDF: 12186.2/46

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: -52.498+/-1.098 χ^2/NDF: 1060.1/23

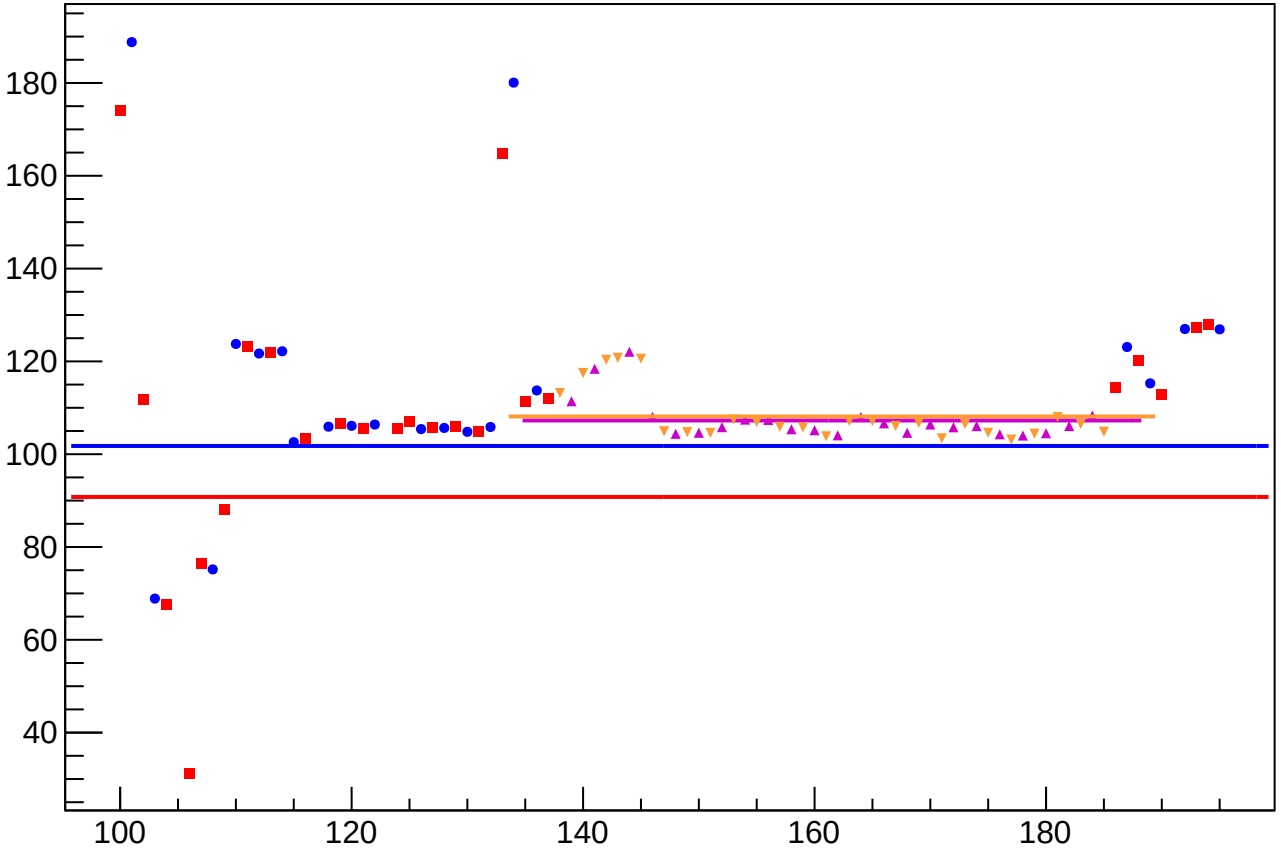
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.881+/-0.604 χ^2/NDF: 1510.0/44

All: -58.684+/-0.426 χ^2/NDF: 3204.6/91

- sign -57.497+/-0.601 χ^2/NDF: 1686.7/46

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: 90.789+/-0.055 χ^2/NDF: 335035.9/23

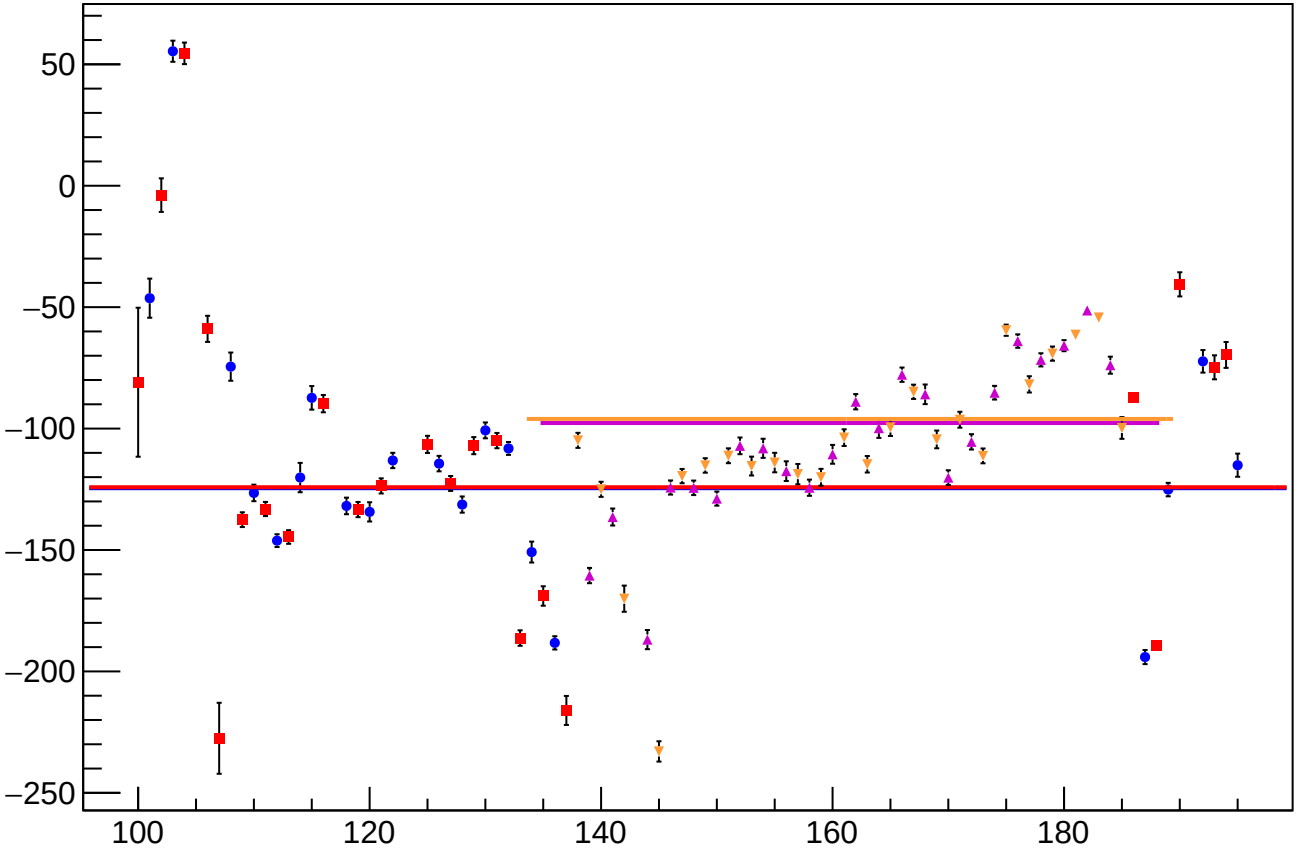
Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.744+/-0.029 χ^2/NDF: 283453.8/44

All: 104.833+/-0.020 χ^2/NDF: 709607.7/91

- sign 102.980+/-0.028 χ^2/NDF: 417409.7/46

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -124.548+/-0.791 χ^2/NDF: 3421.0/19

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

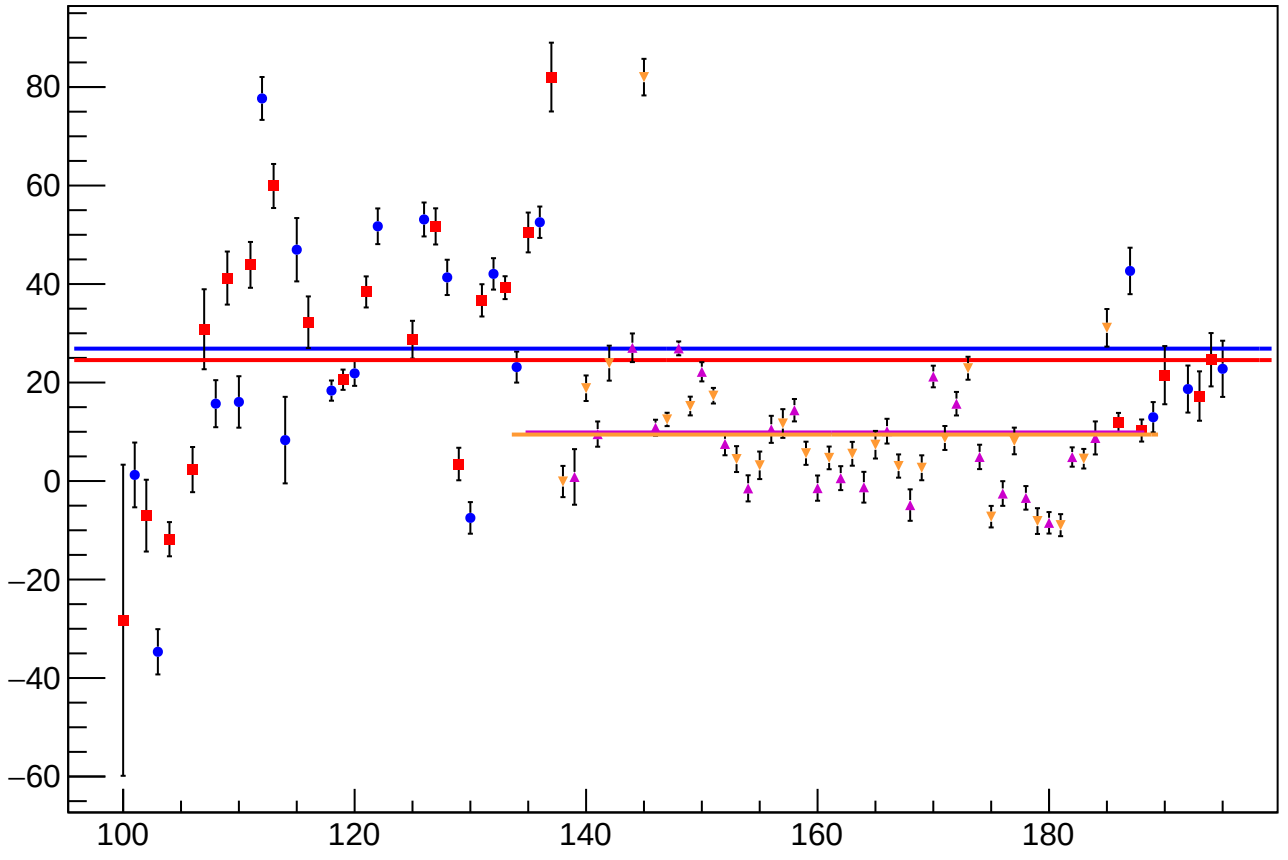
Right Out: -124.156+/-0.680 χ^2/NDF: 5721.4/22

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -107.209+/-0.495 χ^2/NDF: 6983.3/43

All: -108.750+/-0.339 χ^2/NDF: 16167.9/89

- sign -110.112+/-0.465 χ^2/NDF: 9166.4/45



Right In: 26.885+/-0.818 χ^2/NDF: 736.1/19

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

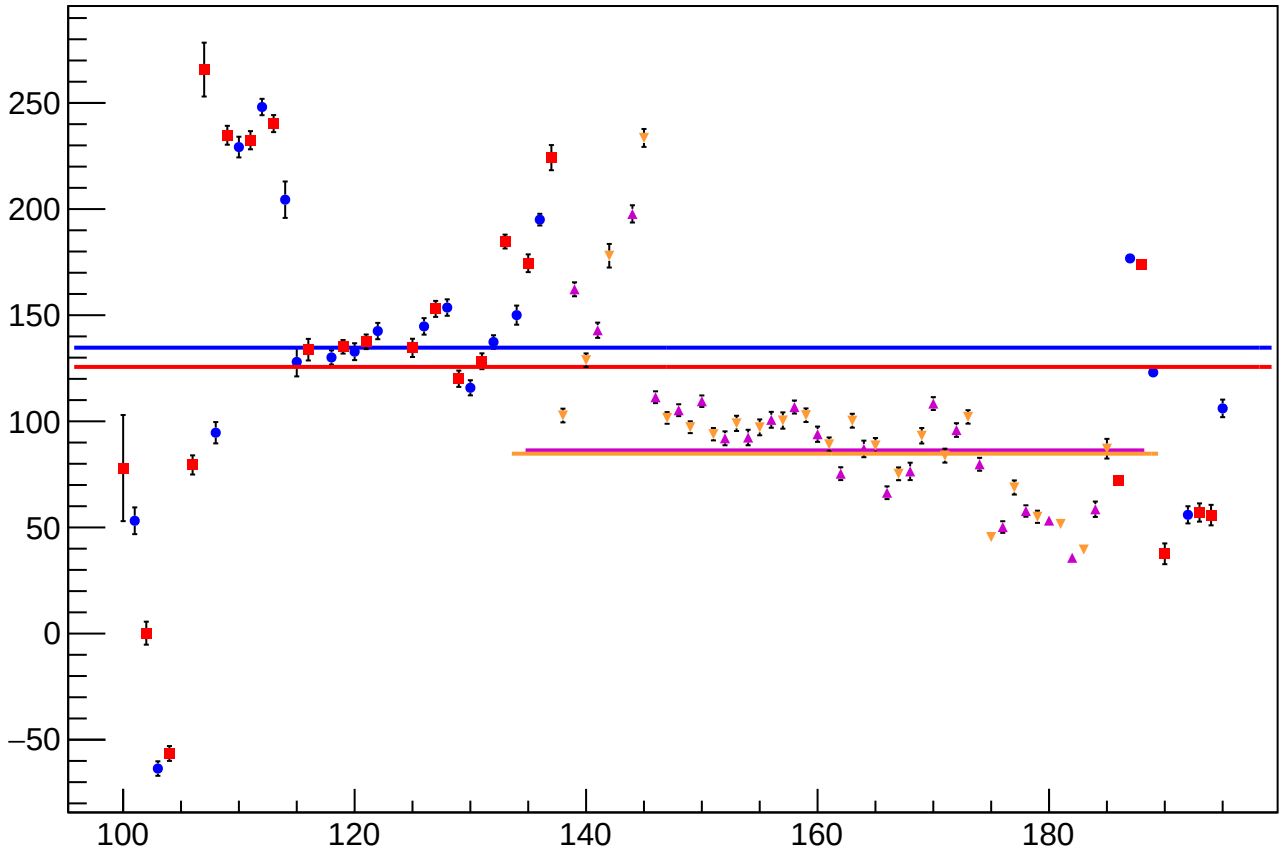
Right Out: 24.558+/-0.744 χ^2/NDF: 611.5/22

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.876+/-0.413 χ^2/NDF: 1811.3/43

All: 14.074+/-0.290 χ^2/NDF: 3181.8/89

- sign 14.267+/-0.407 χ^2/NDF: 1370.1/45



Right In: 134.701+/-0.822 χ^2/NDF: 6228.9/19

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

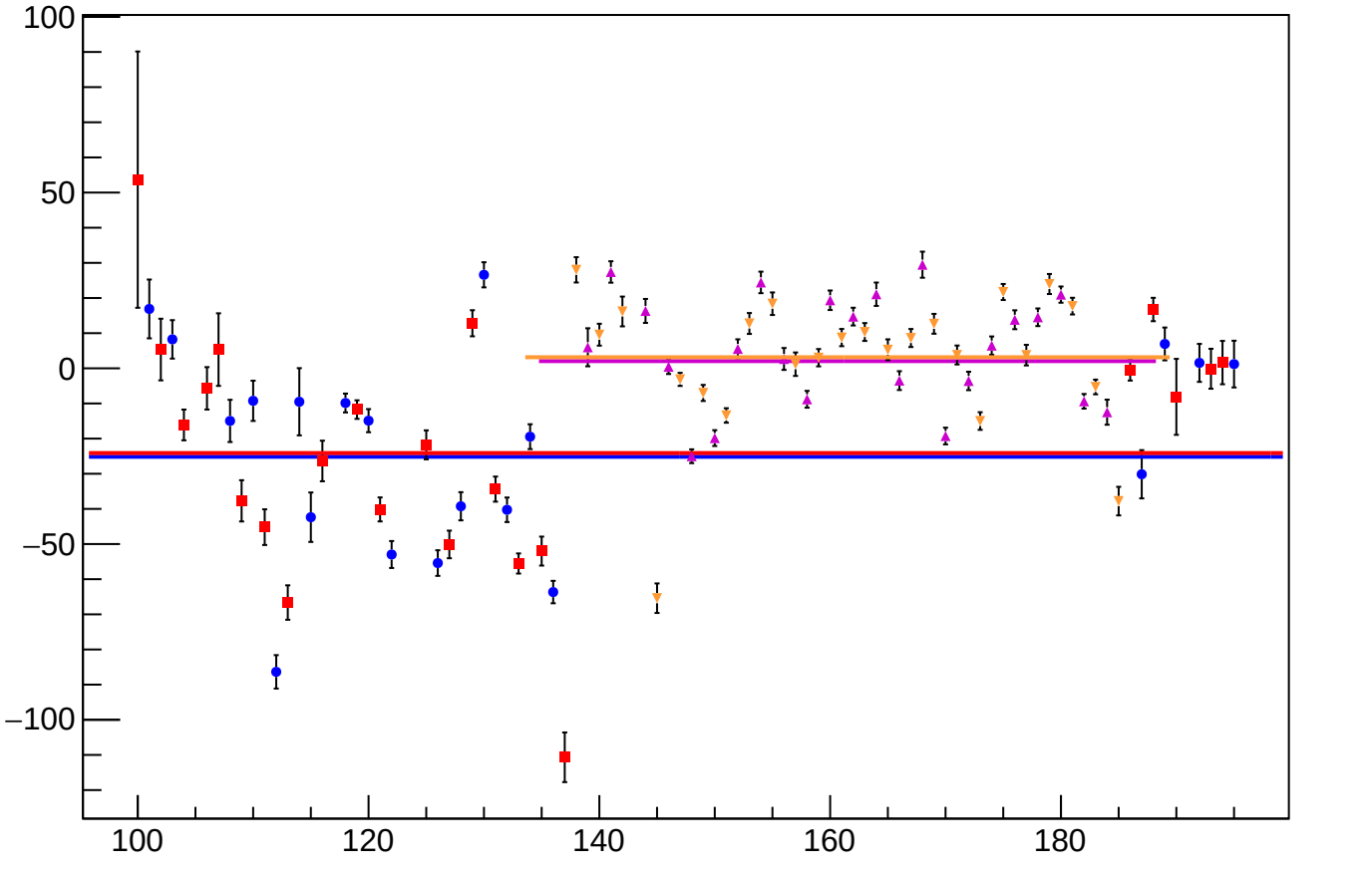
Right Out: 125.633+/-0.660 χ^2/NDF: 10110.9/22

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.203+/-0.500 χ^2/NDF: 11666.7/43

All: 104.247+/-0.337 χ^2/NDF: 26792.4/89

\- sign 105.117+/-0.456 χ^2/NDF: 15117.8/45



Right In: -25.166+/-0.962 χ^2/NDF: 887.9/19

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

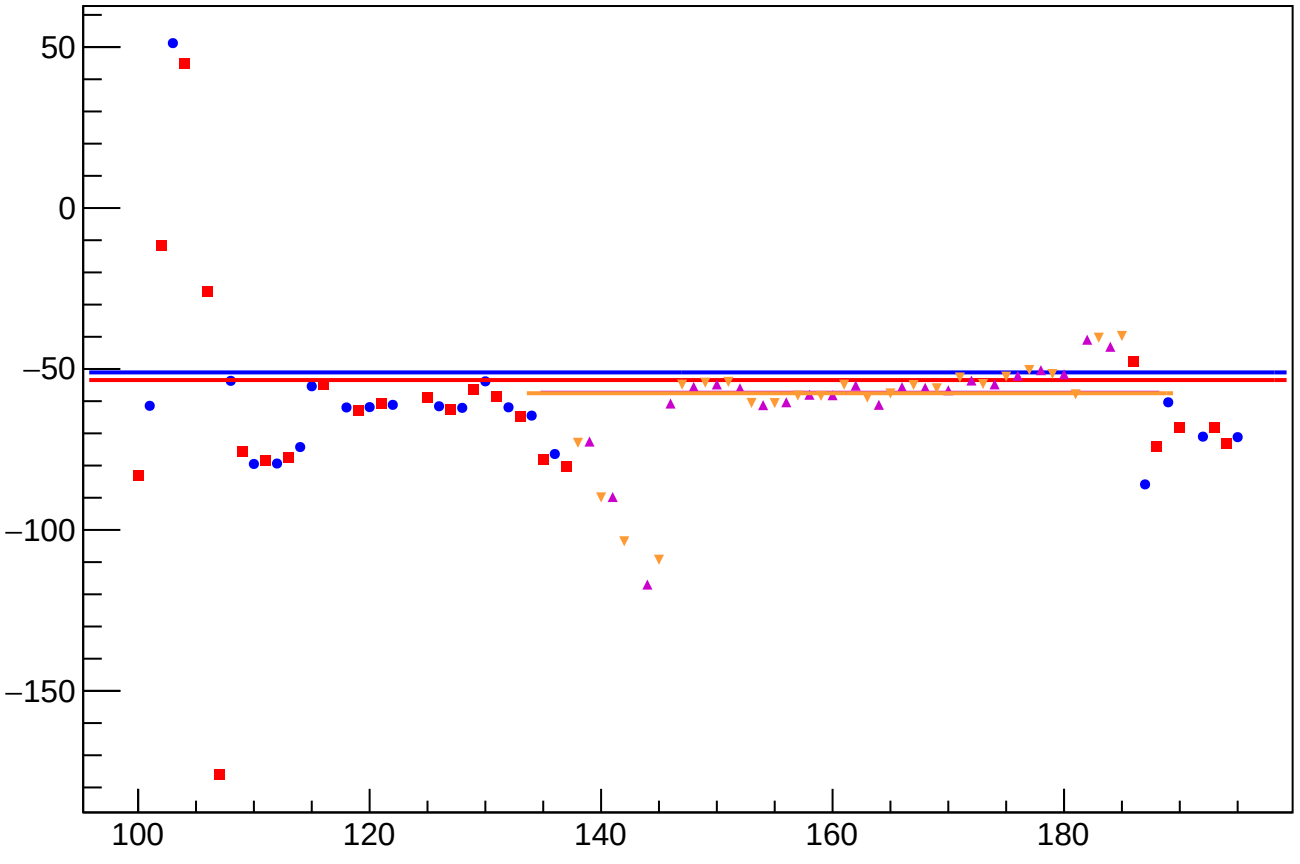
Right Out: -24.116+/-0.907 χ^2/NDF: 897.9/22

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.707+/-0.473 χ^2/NDF: 2358.6/43

All: -4.360+/-0.334 χ^2/NDF: 4719.1/89

- sign -5.005+/-0.471 χ^2/NDF: 2356.7/45



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: -53.440+/-0.051 χ^2/NDF: 544224.6/22

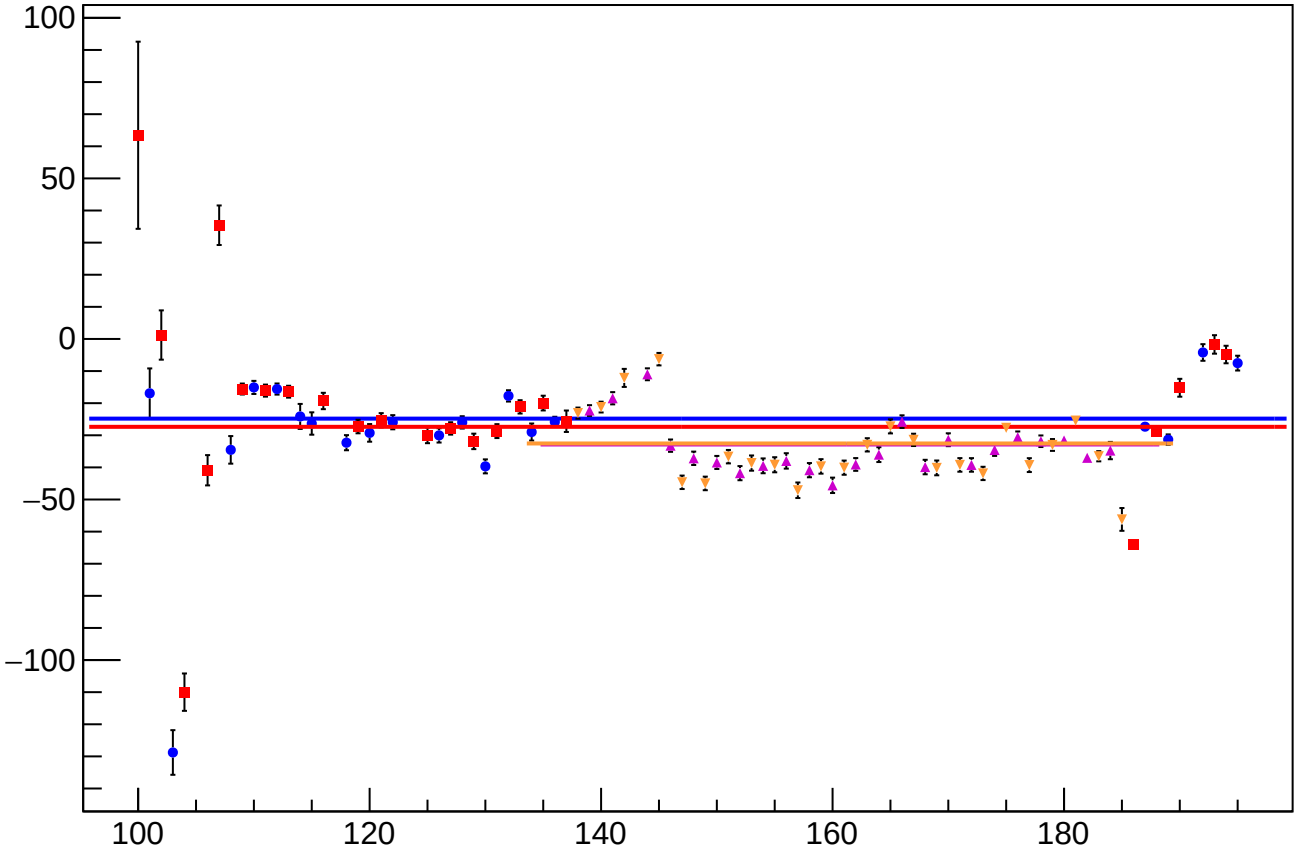
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.343+/-0.022 χ^2/NDF: 898610.0/43

All: -56.485+/-0.016 χ^2/NDF: 1674884.4/89

\- sign -56.624+/-0.022 χ^2/NDF: 776195.2/45

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

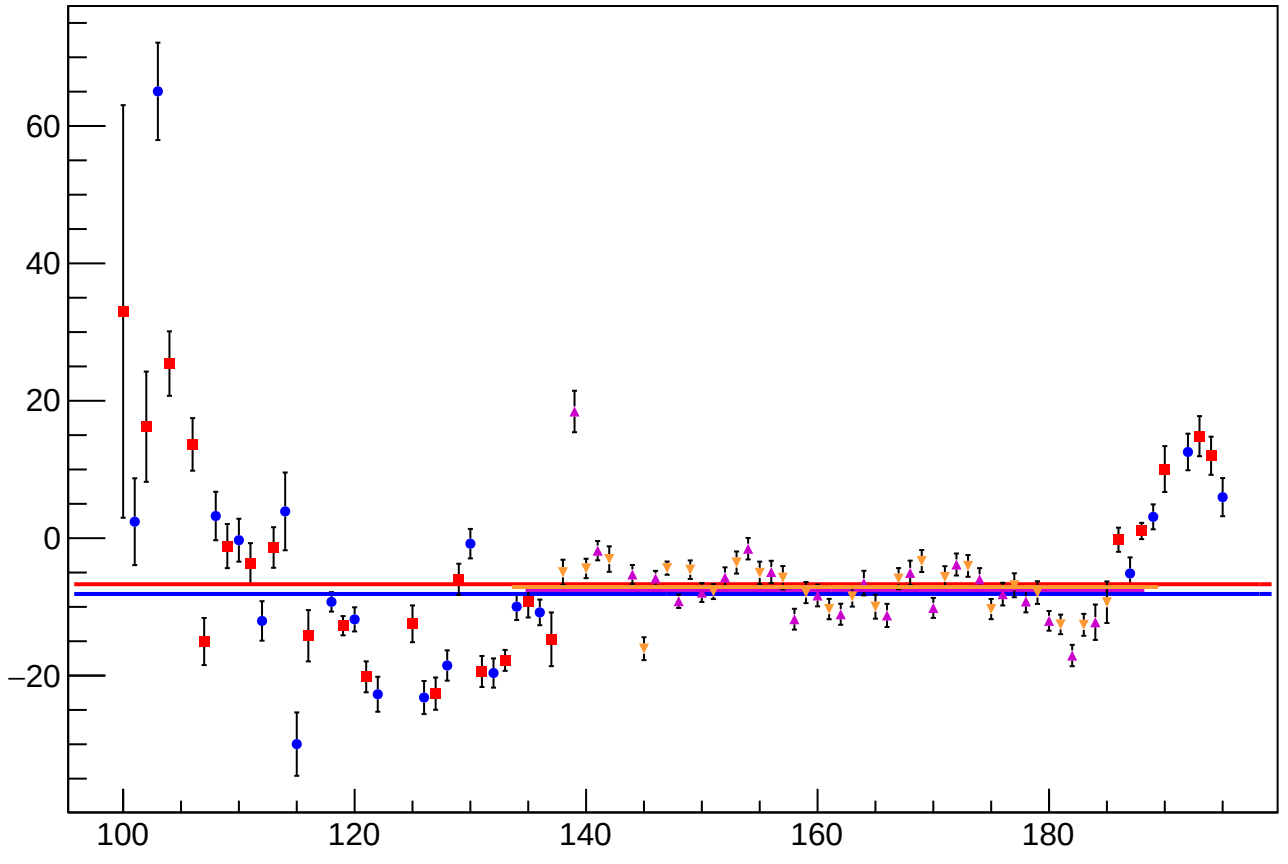
Right Out: -27.365+/-0.437 χ^2/NDF: 1328.3/22

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.434+/-0.314 χ^2/NDF: 1253.6/43

All: -29.879+/-0.217 χ^2/NDF: 3043.0/89

- sign -30.284+/-0.300 χ^2/NDF: 1785.5/45



Right In: -8.118+/-0.532 χ^2/NDF: 424.1/19

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

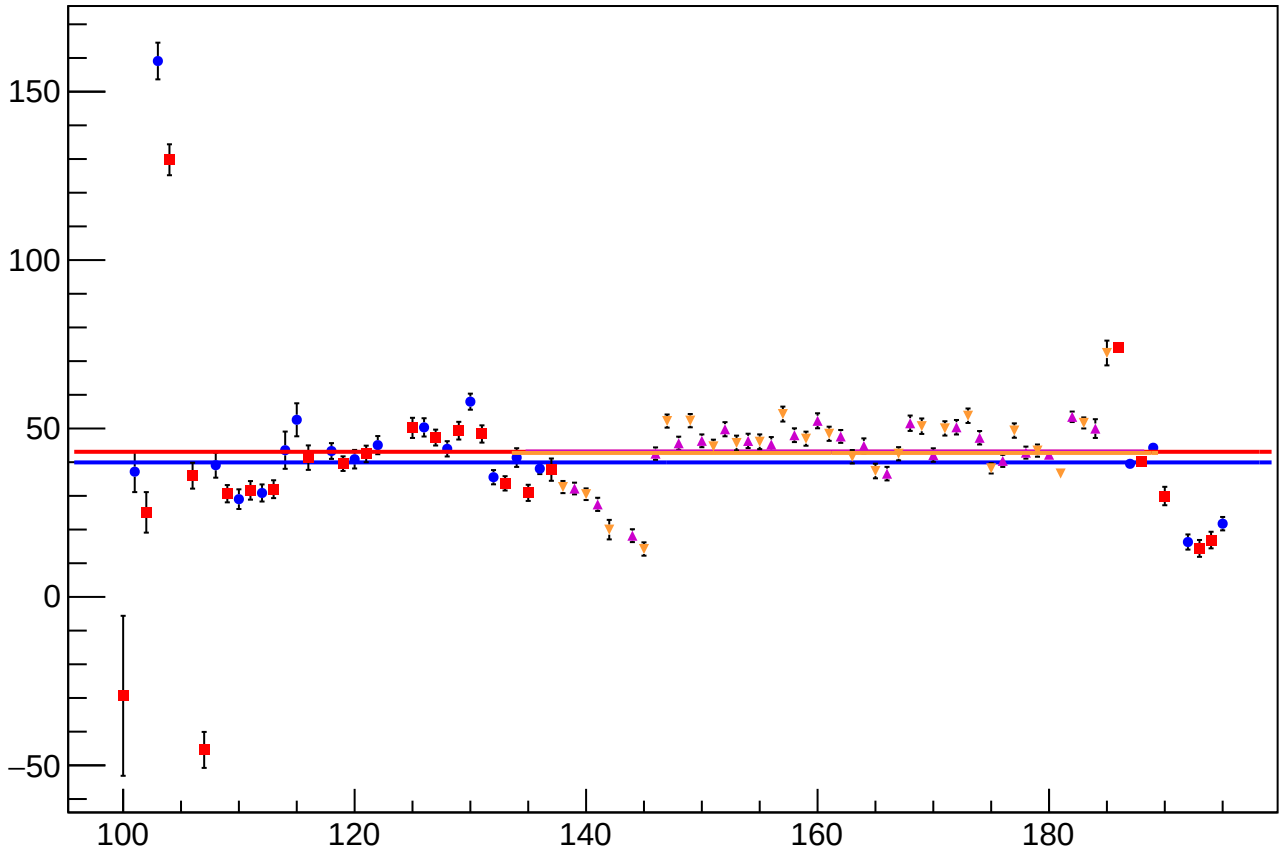
Right Out: -6.703+/-0.495 χ^2/NDF: 479.0/22

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.364+/-0.267 χ^2/NDF: 536.2/43

All: -7.334+/-0.188 χ^2/NDF: 1217.1/89

- sign -7.303+/-0.266 χ^2/NDF: 680.8/45



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: 43.084+/-0.425 χ^2/NDF: 1820.3/22

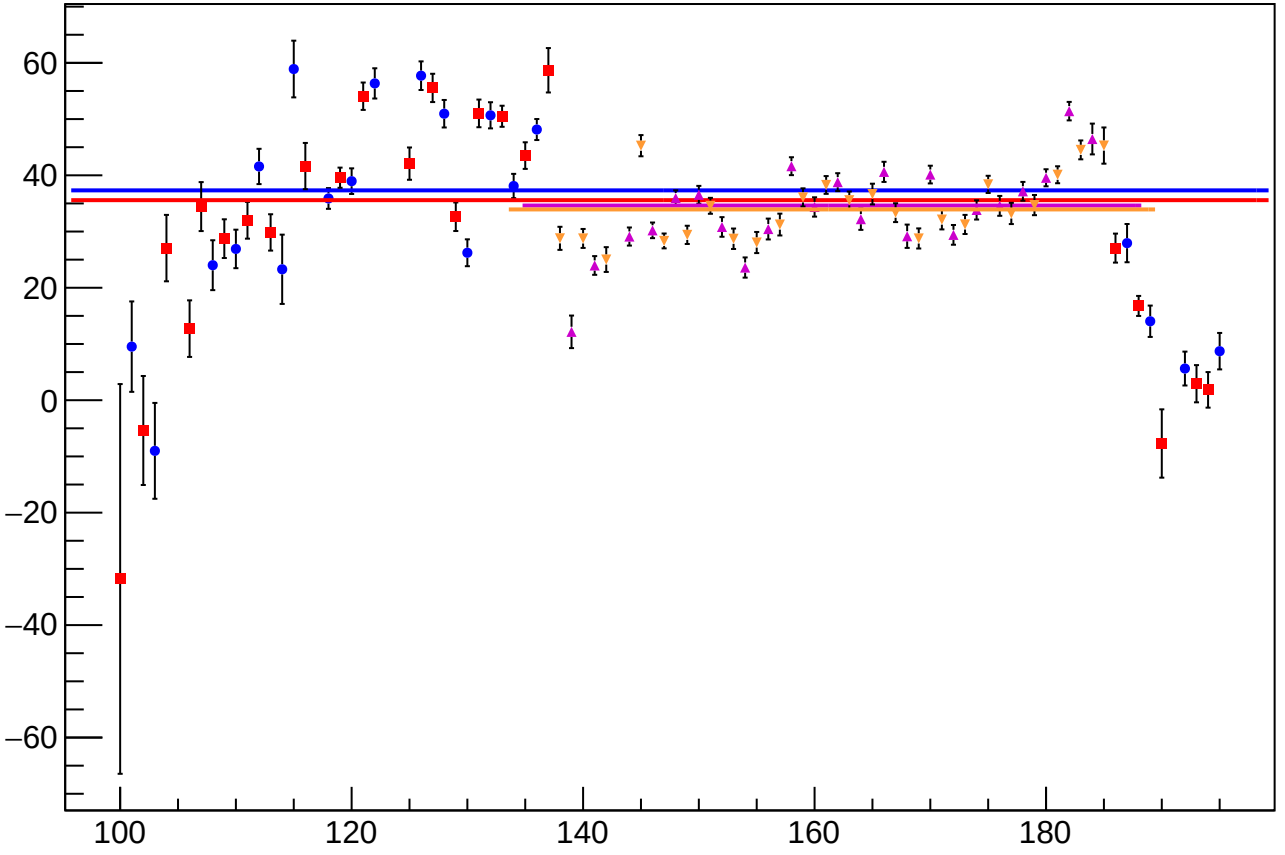
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.655+/-0.316 χ^2/NDF: 1453.9/43

All: 42.443+/-0.215 χ^2/NDF: 3698.9/89

- sign 43.128+/-0.294 χ^2/NDF: 2233.4/45

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 37.323+/-0.625 χ^2/NDF: 585.4/19

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

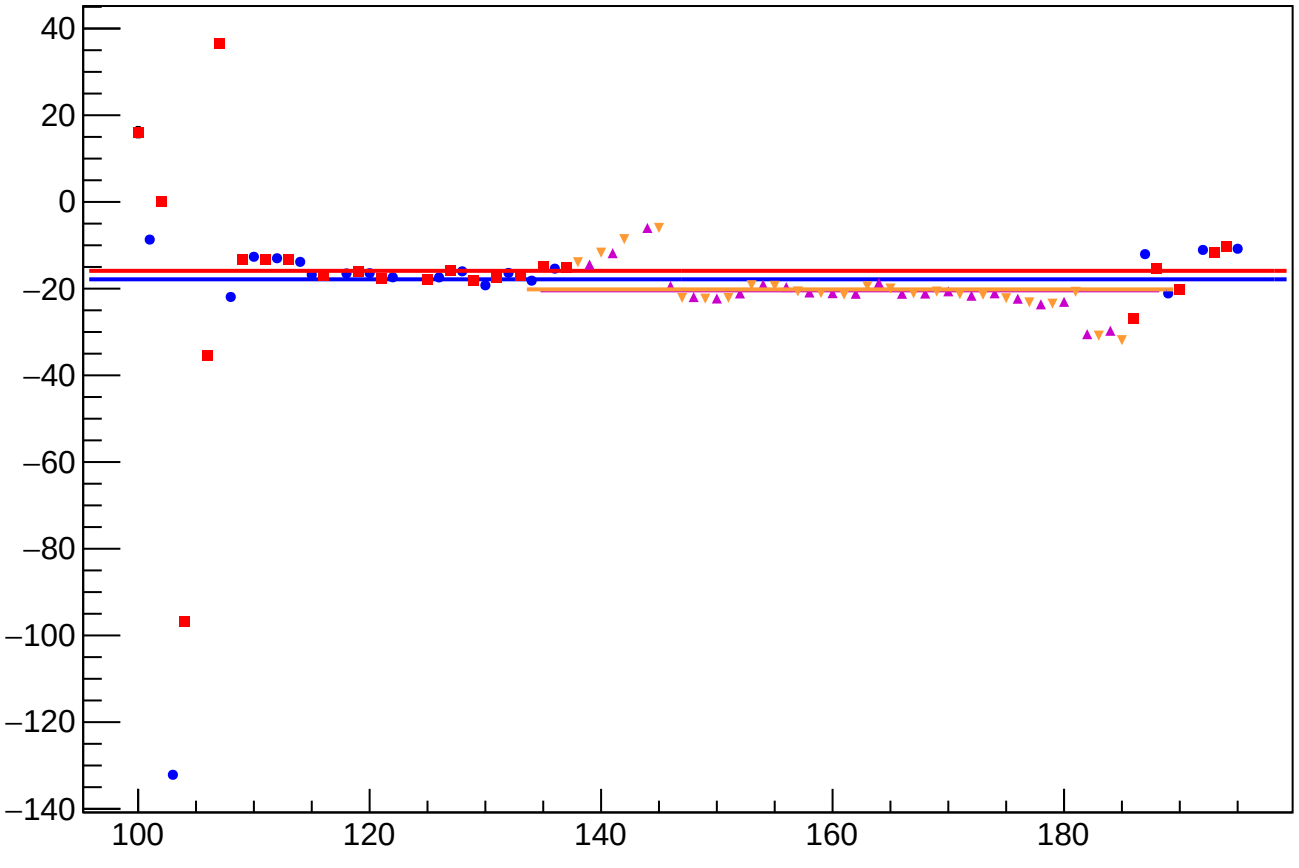
Right Out: 35.581+/-0.602 χ^2/NDF: 719.6/22

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 34.743+/-0.306 χ^2/NDF: 824.4/43

All: 34.807+/-0.217 χ^2/NDF: 1922.0/89

- sign 34.871+/-0.307 χ^2/NDF: 1097.5/45



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: -15.893+/-0.033 χ^2/NDF: 215056.4/22

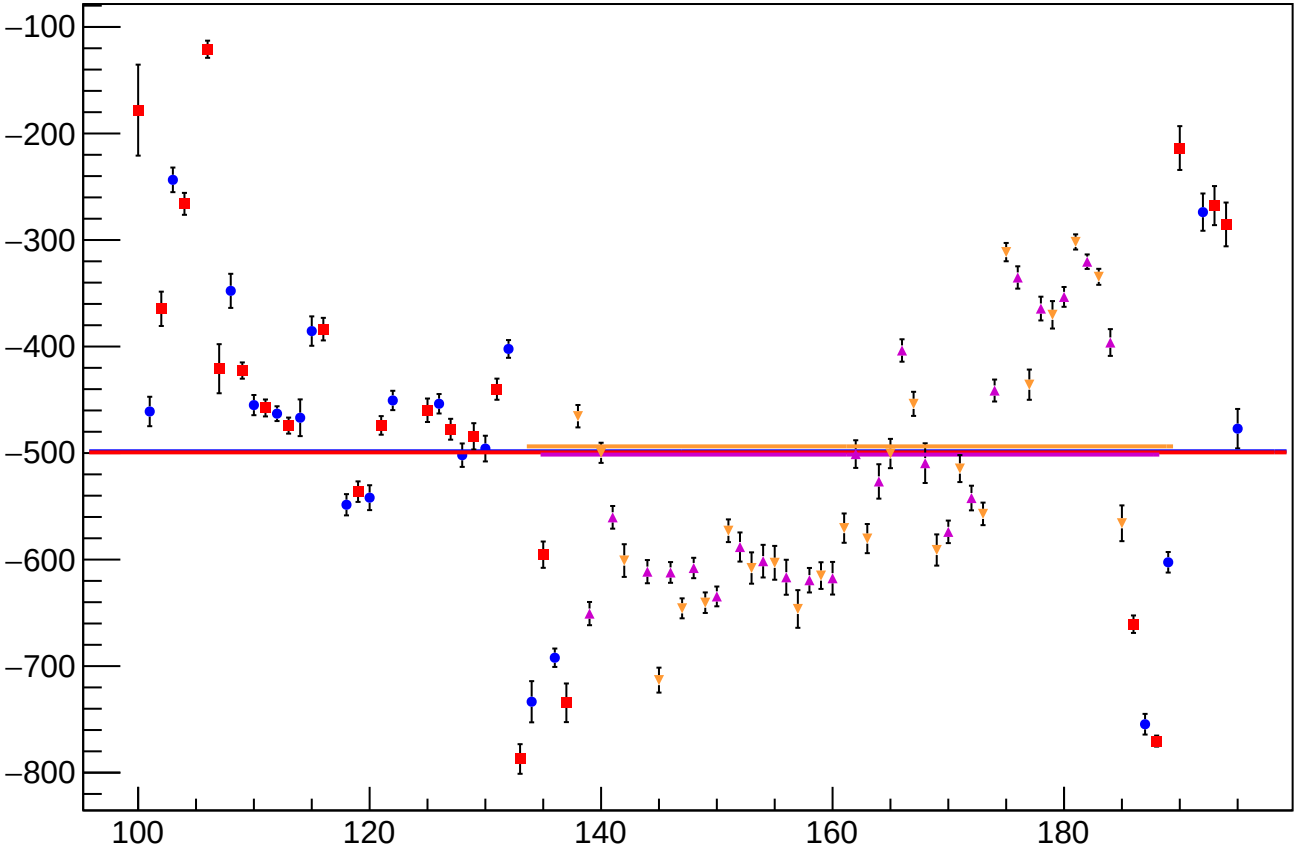
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.761+/-0.014 χ^2/NDF: 364886.6/43

All: -19.668+/-0.010 χ^2/NDF: 676006.8/89

- sign -19.576+/-0.014 χ^2/NDF: 311036.3/45

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -498.342+/-2.413 χ^2/NDF: 2554.1/19

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

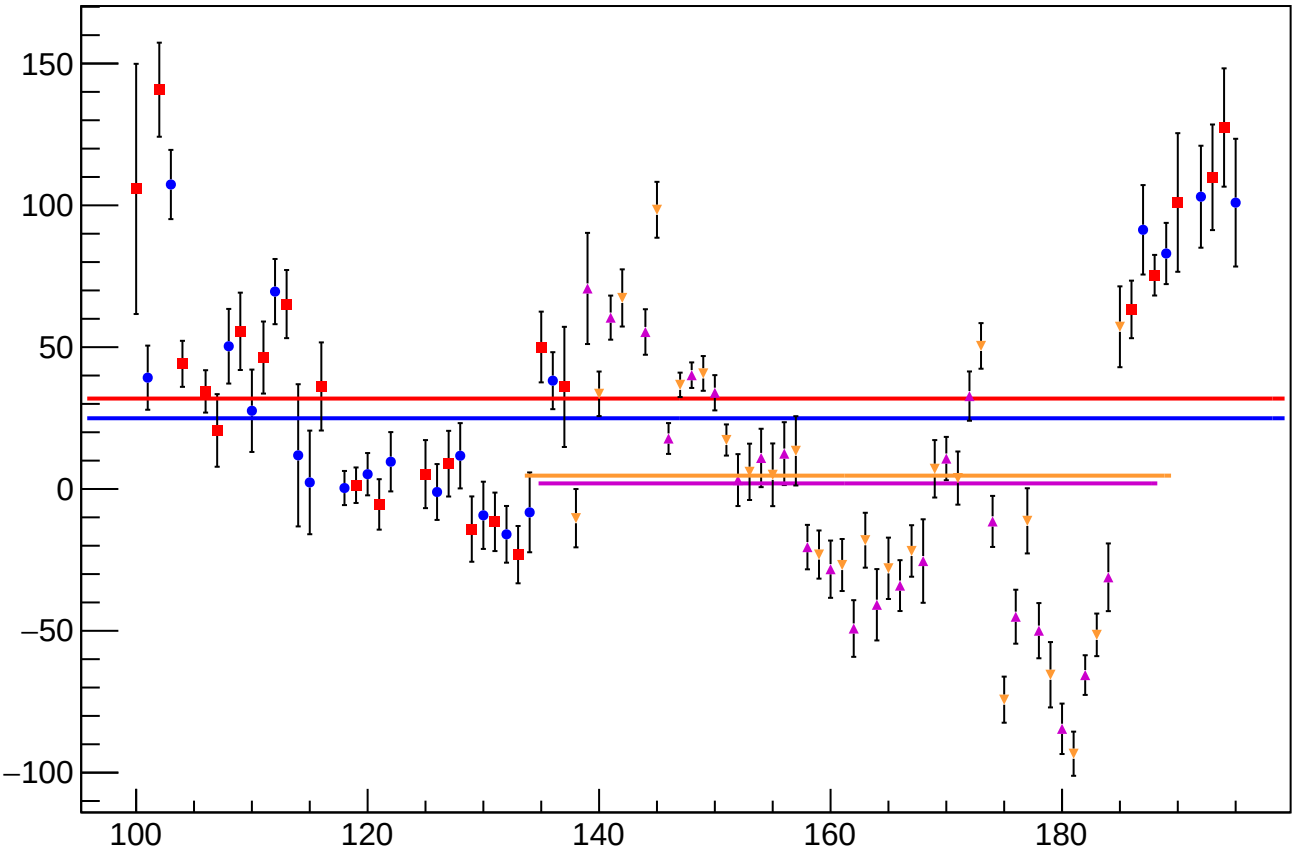
Right Out: -499.345+/-2.109 χ^2/NDF: 7458.8/22

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -495.917+/-1.663 χ^2/NDF: 5706.0/43

All: -498.249+/-1.136 χ^2/NDF: 15858.3/89

- sign -500.292+/-1.556 χ^2/NDF: 10148.6/45



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: 31.883+/-2.294 χ^2/NDF: 270.1/22

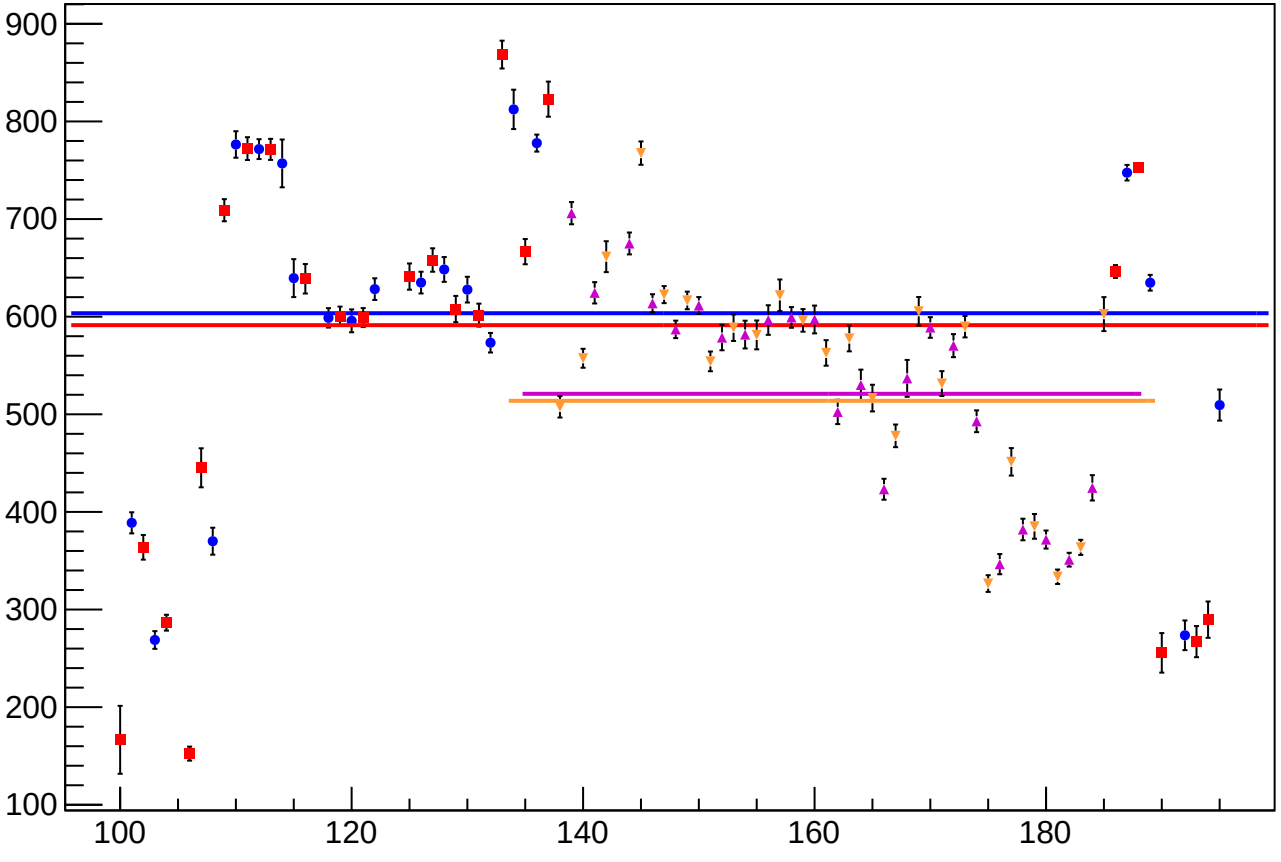
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 11.071+/-1.404 χ^2/NDF: 936.5/43

All: 11.928+/-0.983 χ^2/NDF: 1876.9/89

\- sign 12.752+/-1.377 χ^2/NDF: 939.7/45

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

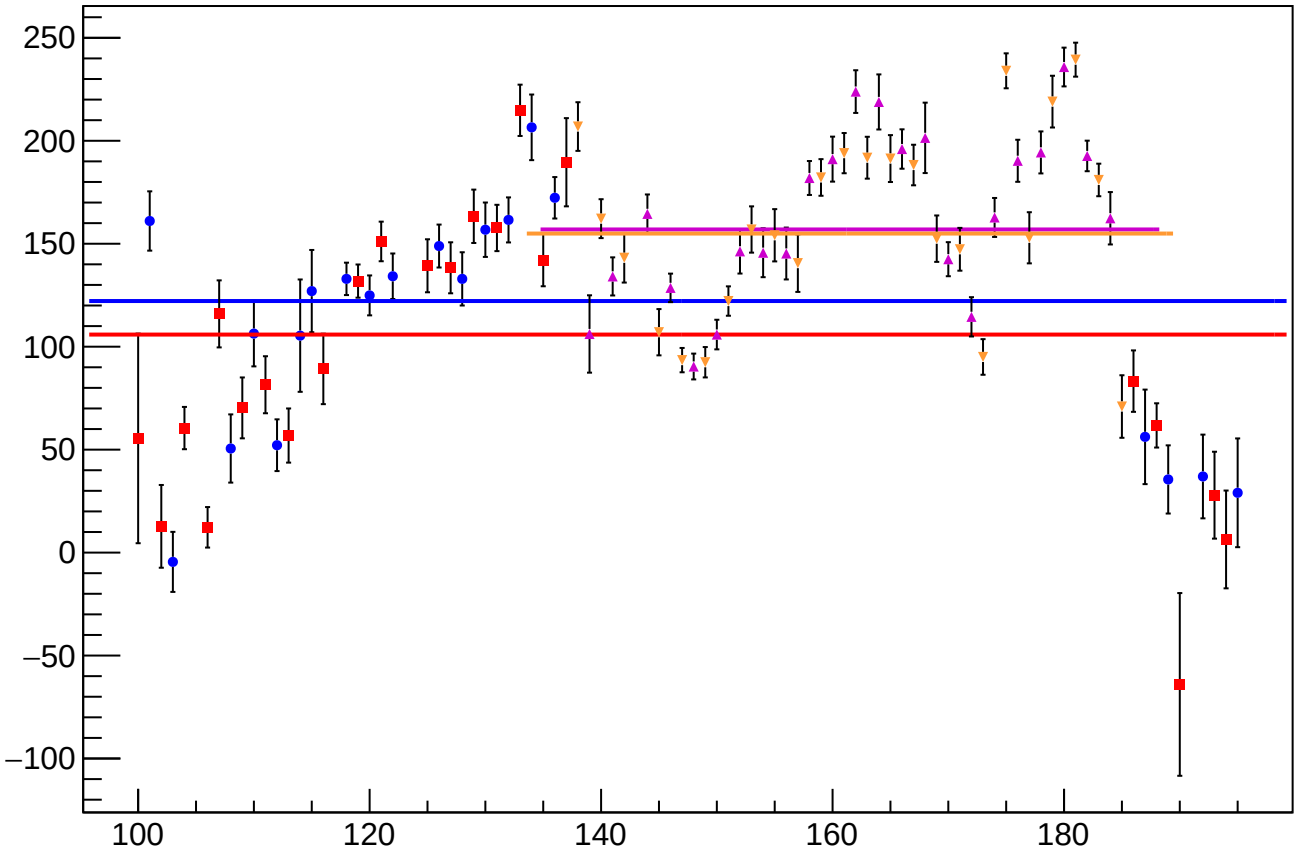
Right Out: 591.321+/-2.116 χ^2/NDF: 9483.1/22

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 553.922+/-1.693 χ^2/NDF: 7342.8/43

All: 556.588+/-1.144 χ^2/NDF: 19783.7/89

- sign 558.828+/-1.552 χ^2/NDF: 12436.4/45



Right In: 122.175+/-2.952 χ^2/NDF: 282.7/19

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

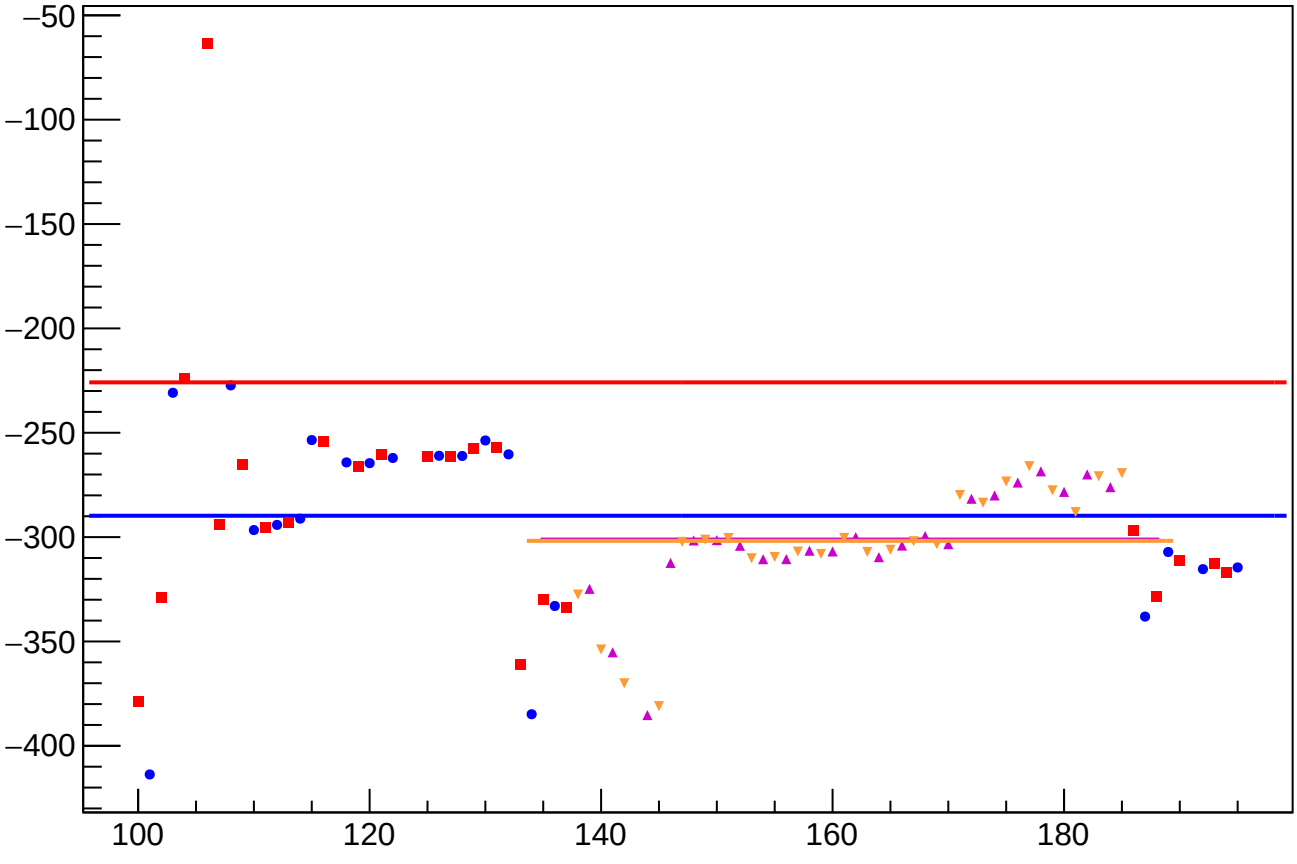
Right Out: 105.886+/-2.767 χ^2/NDF: 408.5/22

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 144.967+/-1.629 χ^2/NDF: 977.4/43

All: 142.321+/-1.143 χ^2/NDF: 2060.0/89

- sign 139.752+/-1.606 χ^2/NDF: 1077.4/45



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: -225.857+/-0.136 χ^2/NDF: 626401.7/22

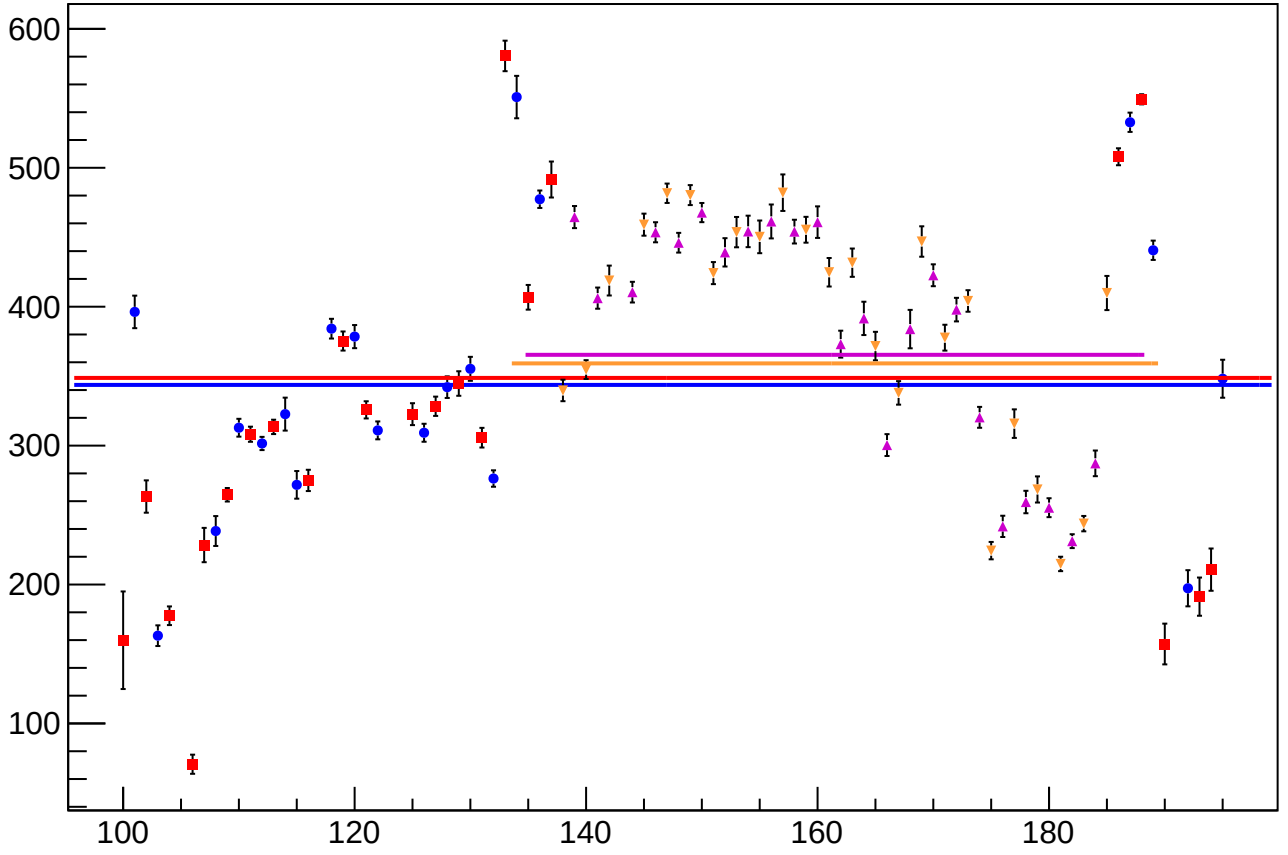
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.919+/-0.079 χ^2/NDF: 200515.0/43

All: -288.027+/-0.054 χ^2/NDF: 1151218.2/89

- sign -278.247+/-0.075 χ^2/NDF: 914836.2/45

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

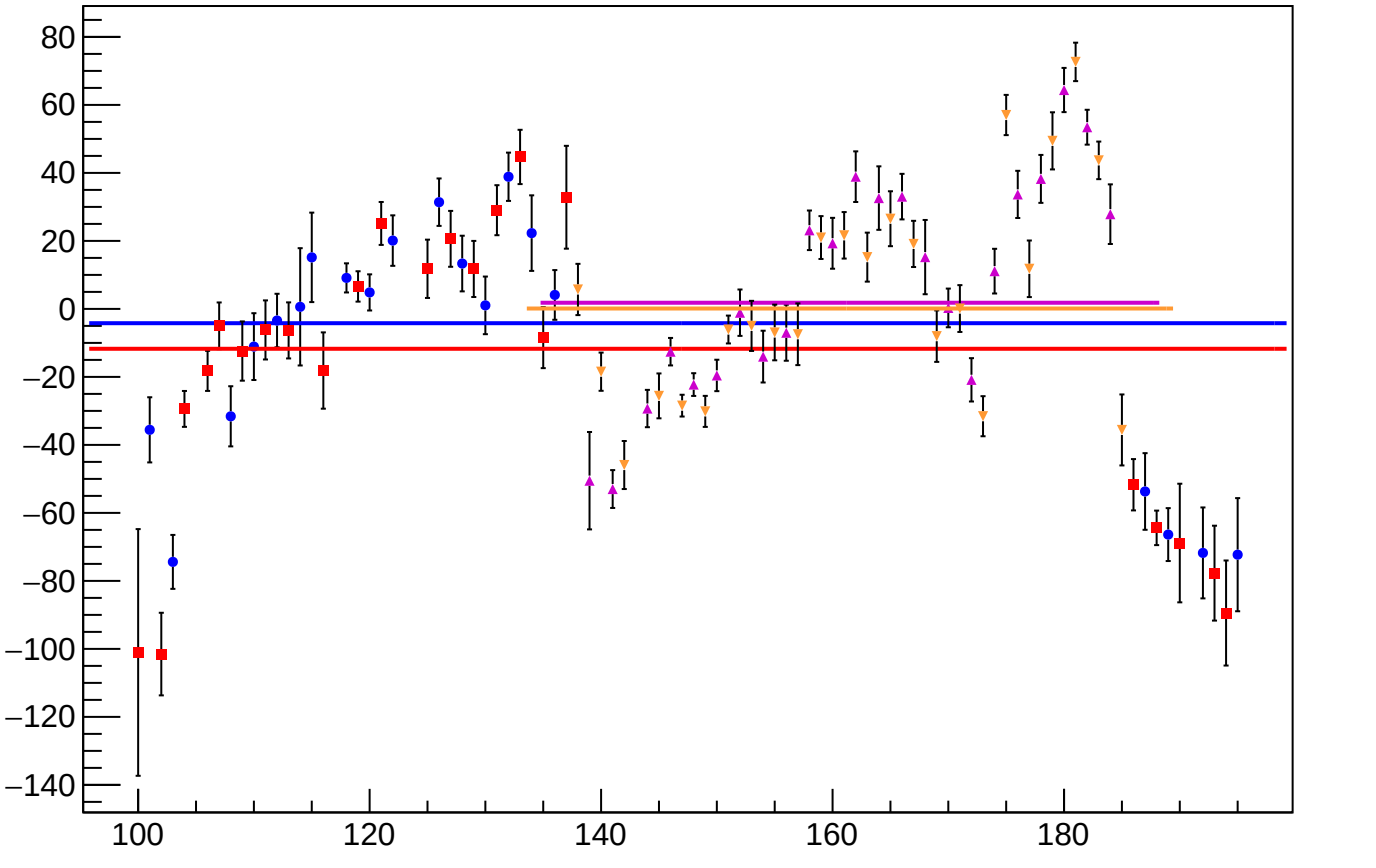
Right Out: 348.738+/-1.493 χ^2/NDF: 7731.8/22

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.567+/-1.198 χ^2/NDF: 6026.1/43

All: 353.941+/-0.818 χ^2/NDF: 16559.0/89

- sign 356.014+/-1.120 χ^2/NDF: 10525.6/45



Right In: -4.205+/-1.788 χ^2/NDF: 324.9/19

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

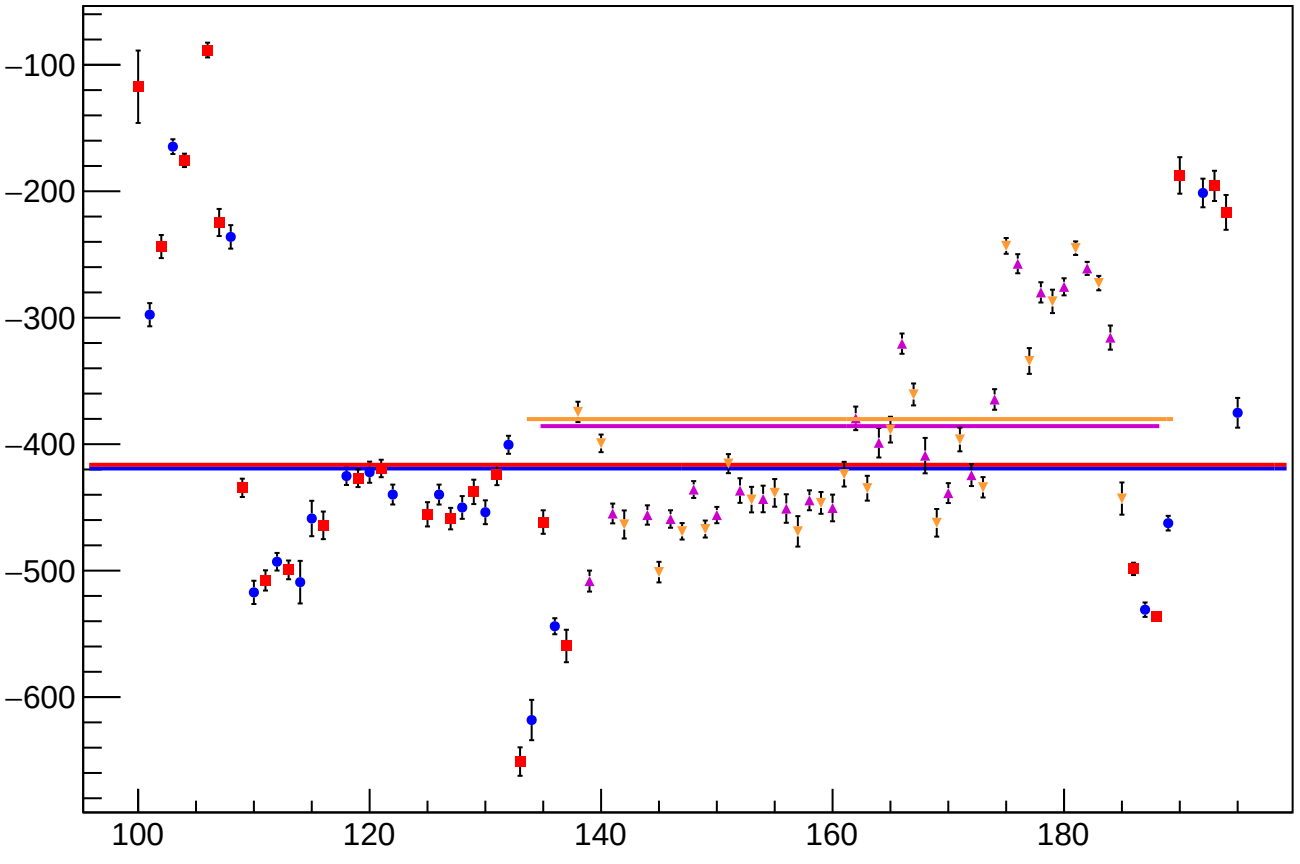
Right Out: -11.730+/-1.621 χ^2/NDF: 441.0/22

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -1.299+/-1.023 χ^2/NDF: 966.7/43

All: -2.336+/-0.714 χ^2/NDF: 2030.1/89

- sign -3.324+/-0.998 χ^2/NDF: 1061.4/45



Right In: -419.216+/-1.802 χ^2/NDF: 4136.3/19

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

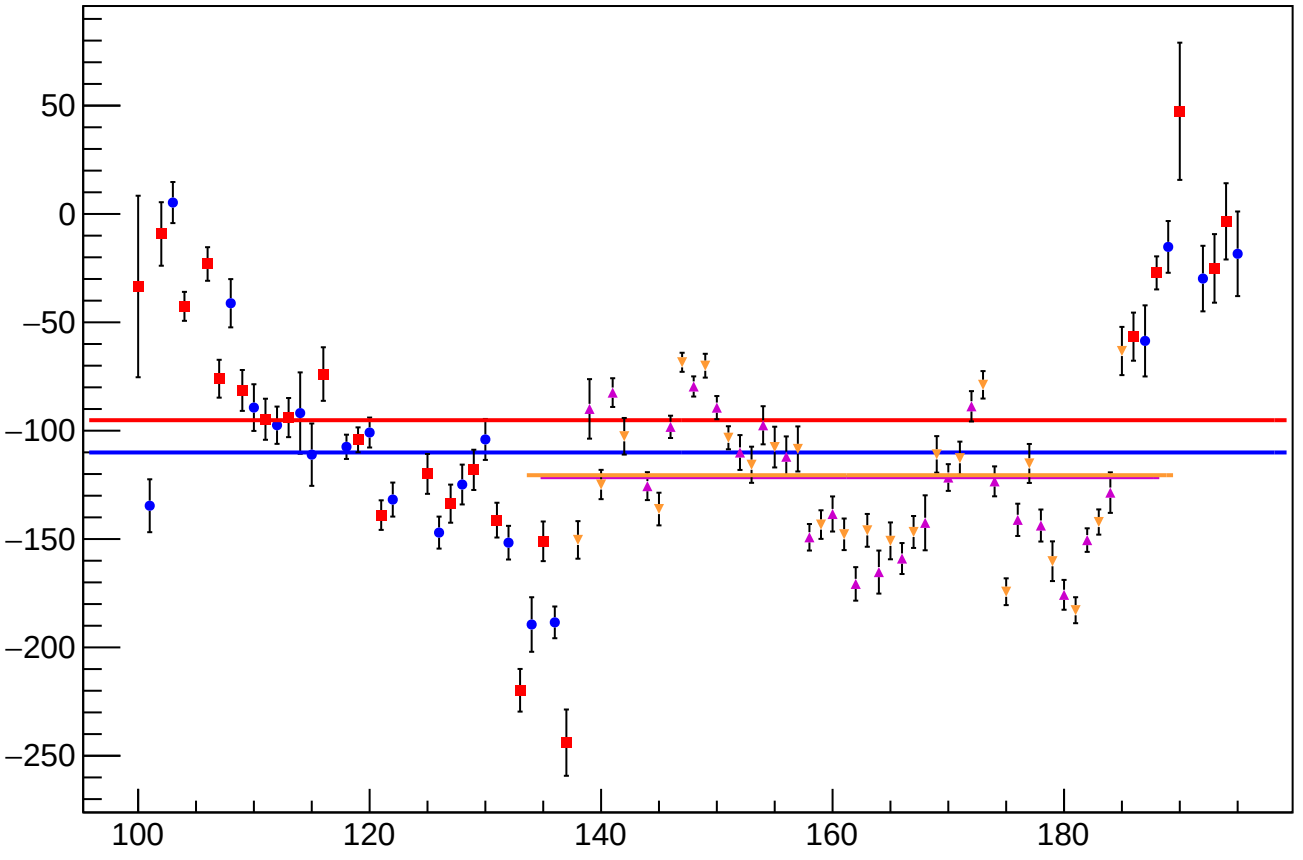
Right Out: -416.286+/-1.506 χ^2/NDF: 9704.4/22

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -398.198+/-1.225 χ^2/NDF: 7008.0/43

All: -400.615+/-0.827 χ^2/NDF: 19264.6/89

- sign -402.638+/-1.121 χ^2/NDF: 12249.4/45



Right In: -110.051+/-2.106 χ^2/NDF: 541.0/19

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

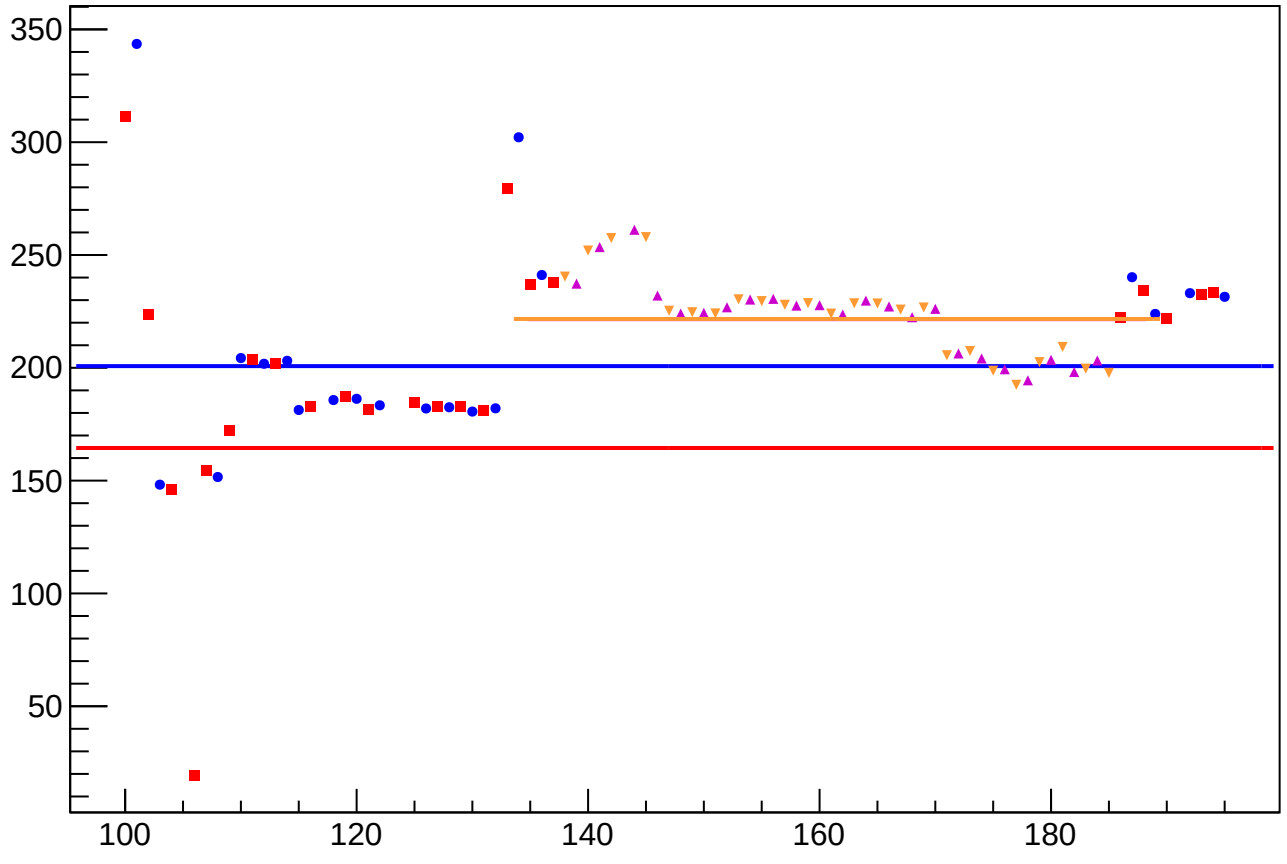
Right Out: -95.161+/-1.953 χ^2/NDF: 754.9/22

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -117.215+/-1.186 χ^2/NDF: 1169.5/43

All: -114.614+/-0.831 χ^2/NDF: 2483.3/89

\- sign -112.110+/-1.164 χ^2/NDF: 1304.4/45



Right In: 200.750+/-0.115 χ^2/NDF: 189609.1/19

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

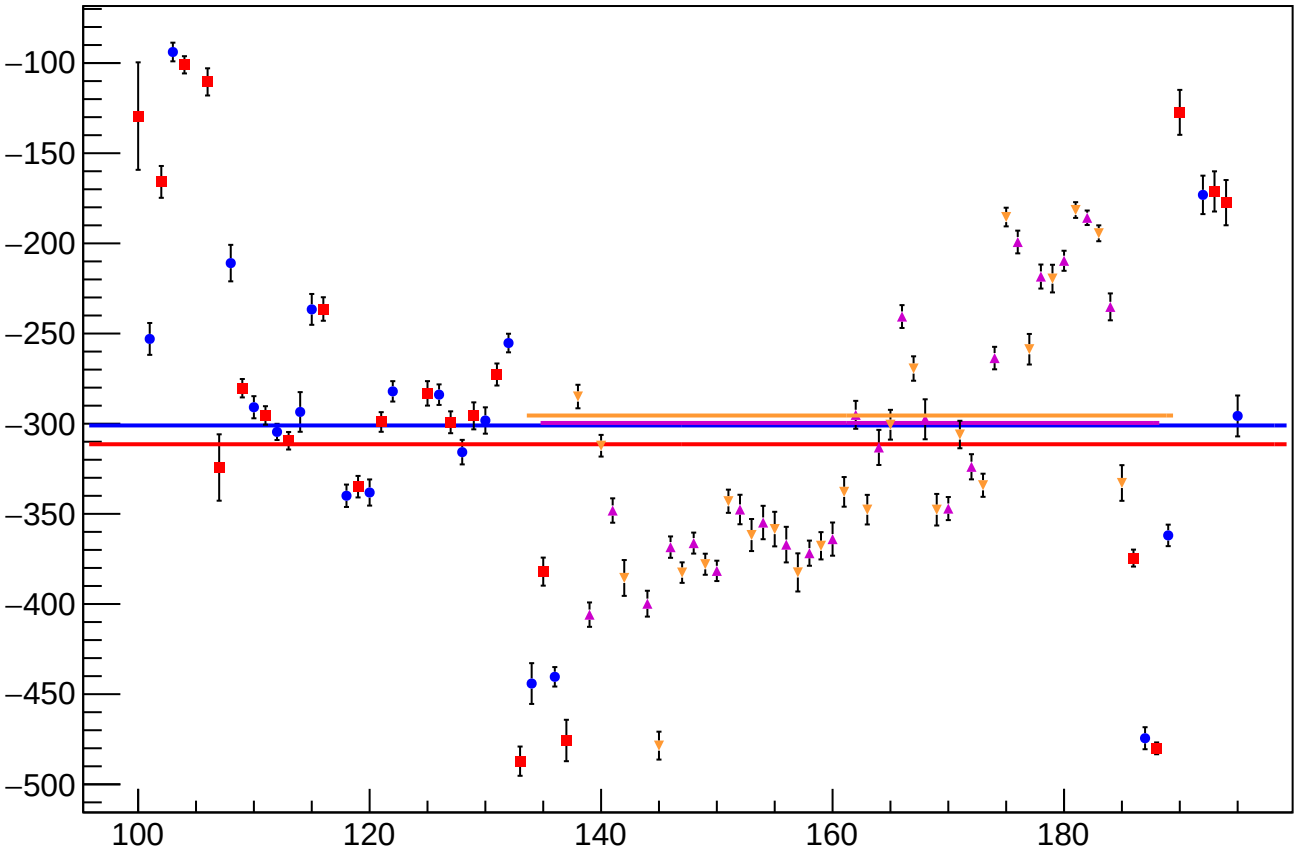
Right Out: 164.466+/-0.101 χ^2/NDF: 589795.6/22

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.377+/-0.058 χ^2/NDF: 281618.7/43

All: 210.086+/-0.040 χ^2/NDF: 1181436.2/89

- sign 204.298+/-0.055 χ^2/NDF: 876954.9/45



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: -311.400+/-1.319 χ^2/NDF: 7296.2/22

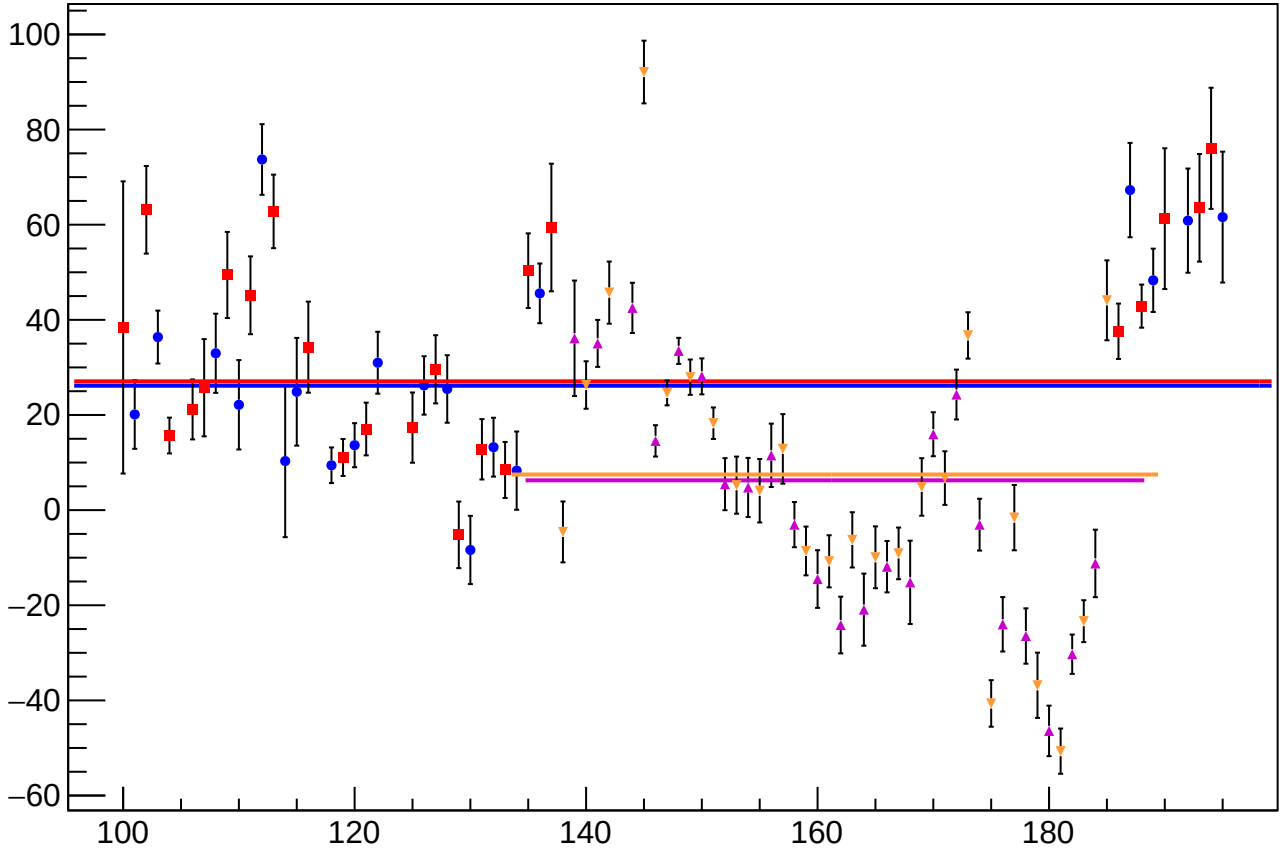
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.053+/-1.014 χ^2/NDF: 7175.8/43

All: -302.158+/-0.697 χ^2/NDF: 17512.6/89

- sign -305.831+/-0.959 χ^2/NDF: 10305.7/45

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: 27.074+/-1.411 χ^2/NDF: 177.5/22

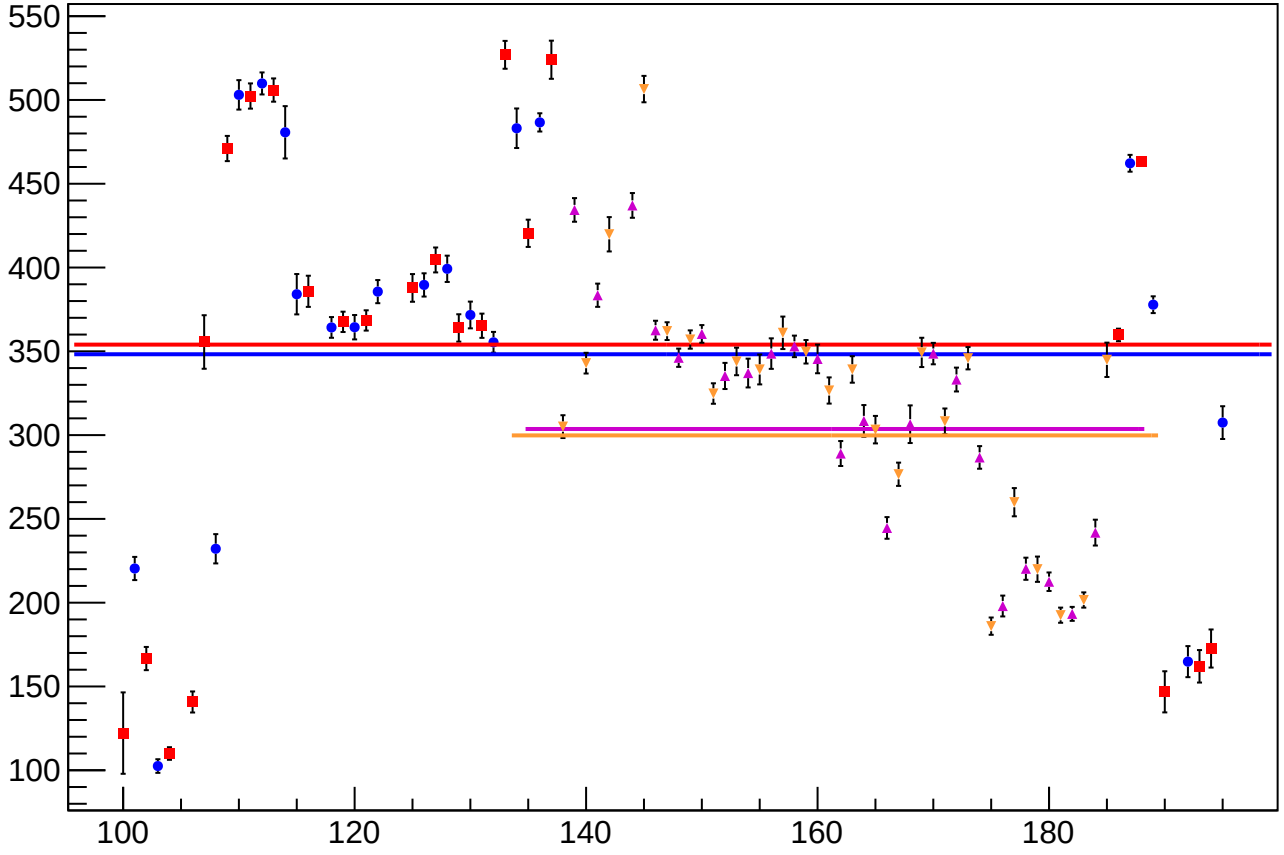
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 13.304+/-0.854 χ^2/NDF: 1002.4/43

All: 13.472+/-0.599 χ^2/NDF: 1880.0/89

\- sign 13.635+/-0.840 χ^2/NDF: 877.5/45

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: 354.001+/-1.304 χ^2/NDF: 10743.2/22

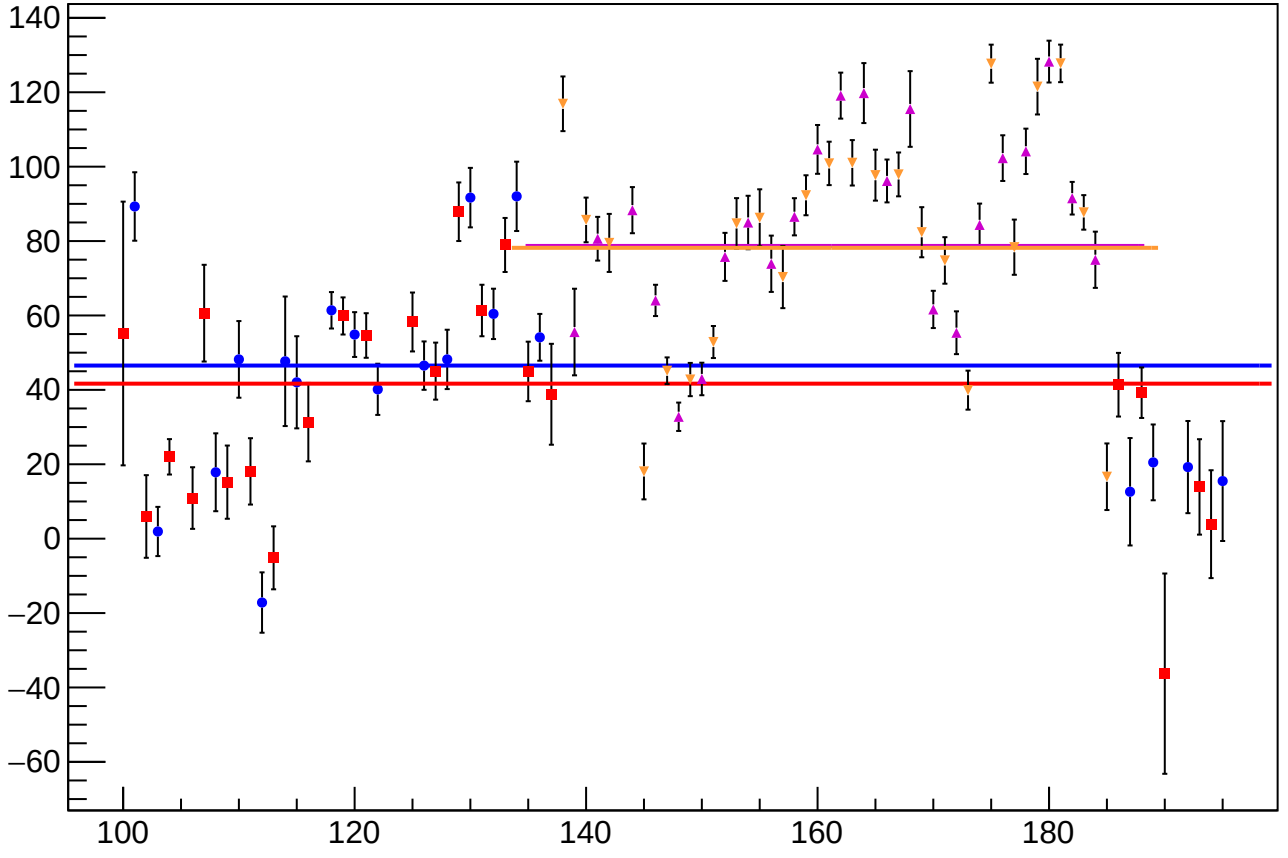
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.614+/-1.024 χ^2/NDF: 10662.3/43

All: 326.293+/-0.696 χ^2/NDF: 25018.8/89

- sign 330.305+/-0.949 χ^2/NDF: 14317.8/45

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

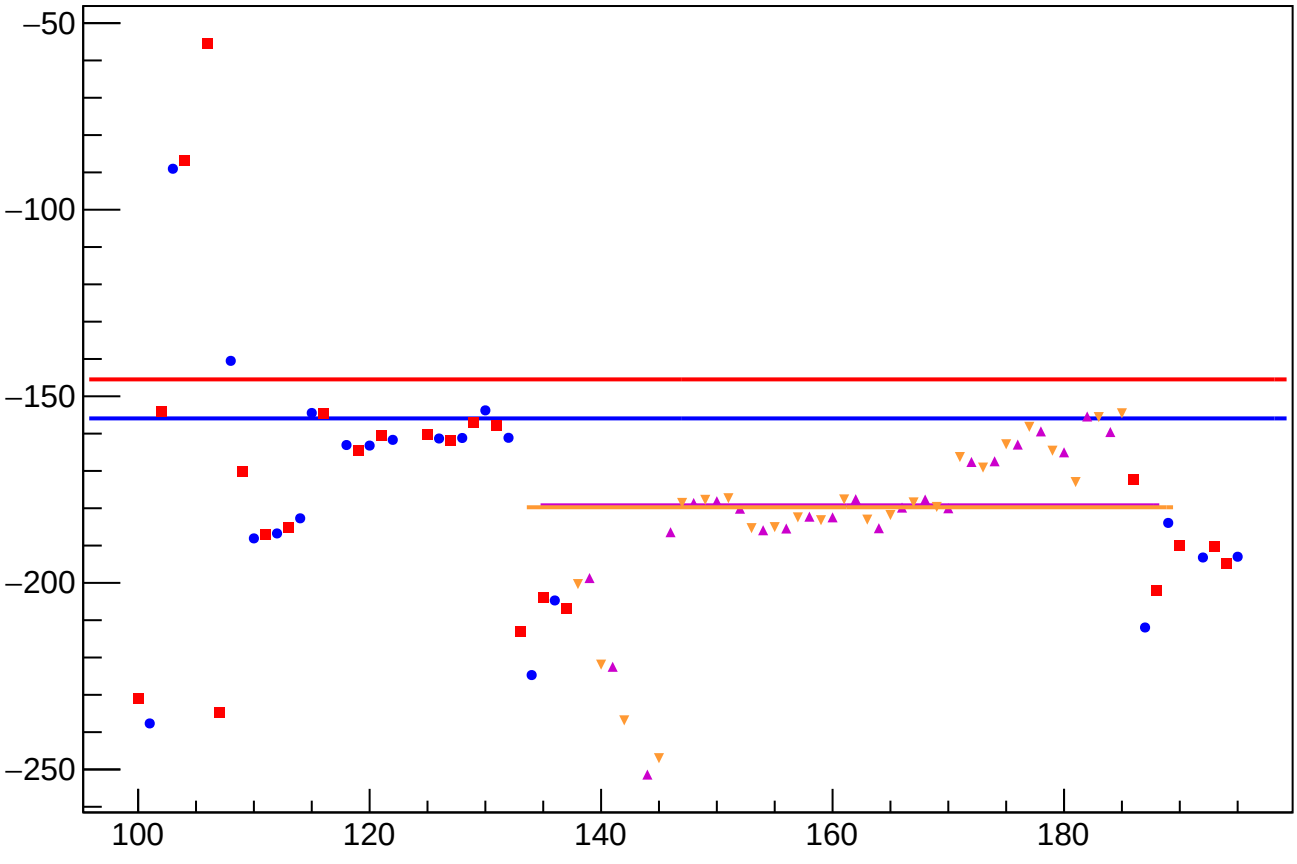
Right Out: 41.667+/-1.703 χ^2/NDF: 200.9/22

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.653+/-0.990 χ^2/NDF: 1108.6/43

All: 67.549+/-0.696 χ^2/NDF: 2117.3/89

- sign 66.473+/-0.978 χ^2/NDF: 1006.2/45



Right In: -155.924+/-0.093 χ^2/NDF: 283495.3/19

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

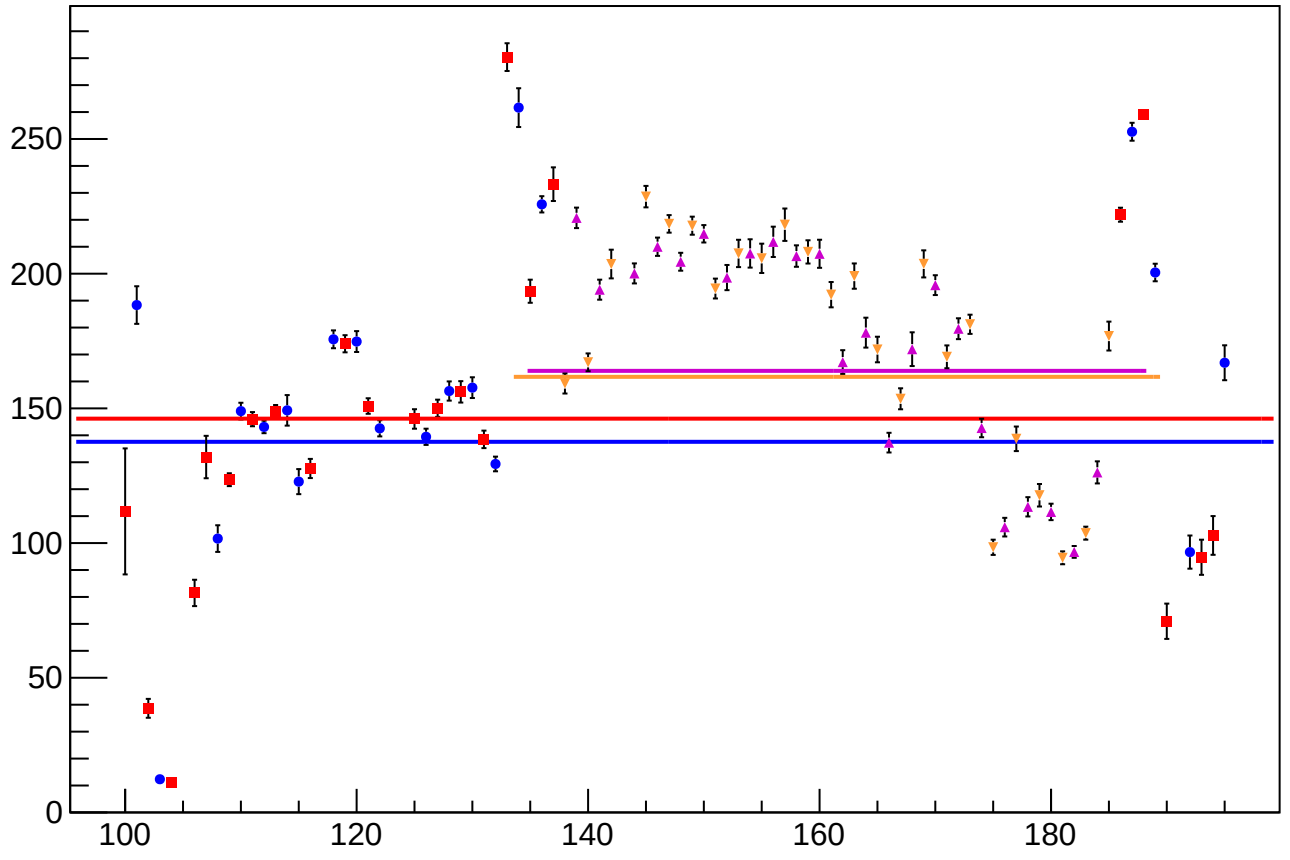
Right Out: -145.470+/-0.088 χ^2/NDF: 381544.3/22

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.584+/-0.047 χ^2/NDF: 464149.0/43

All: -171.651+/-0.033 χ^2/NDF: 1069378.3/89

- sign -169.805+/-0.046 χ^2/NDF: 601974.6/45



Right In: 137.589+/-0.755 χ^2/NDF: 7966.1/19

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

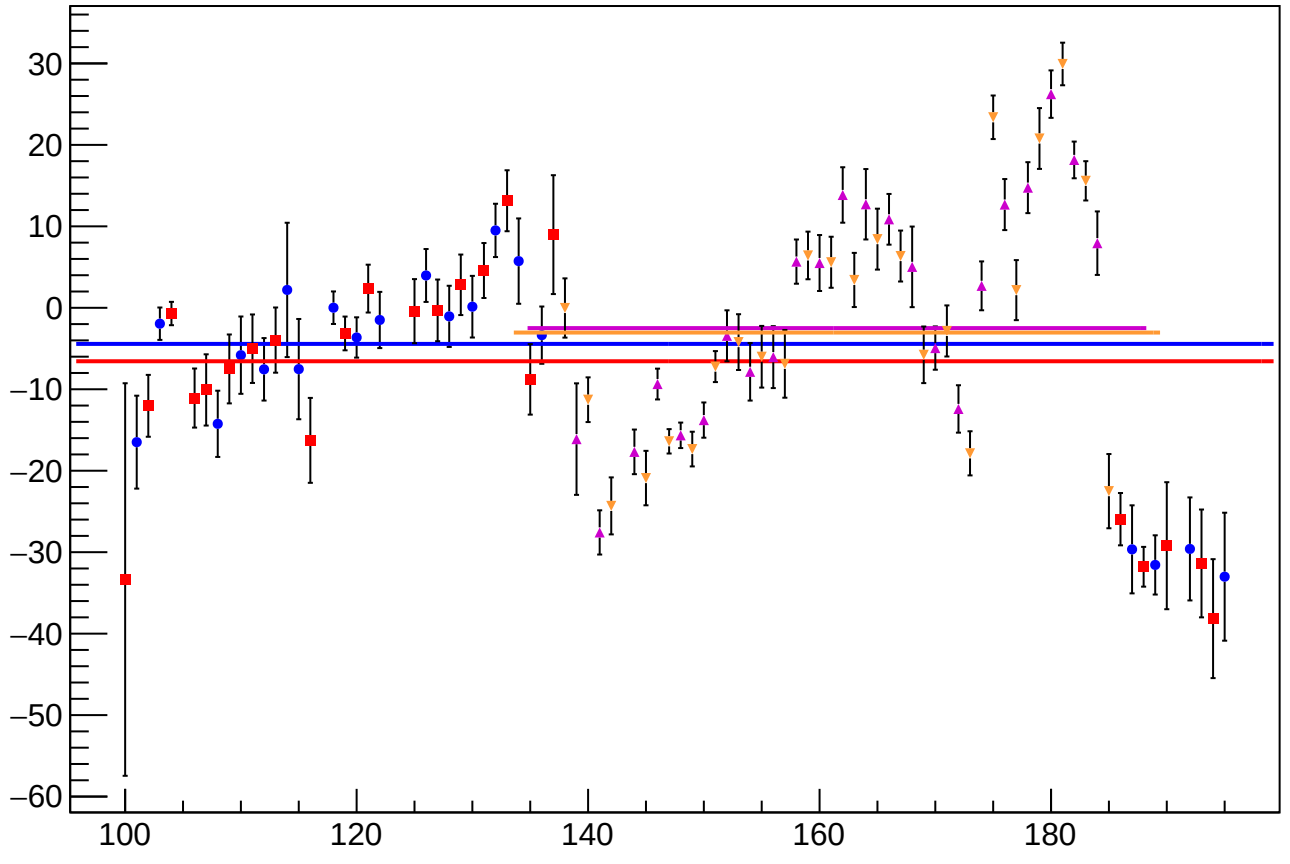
Right Out: 146.187+/-0.673 χ^2/NDF: 13005.7/22

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.309+/-0.541 χ^2/NDF: 12049.8/43

All: 151.674+/-0.371 χ^2/NDF: 28723.7/89

- sign 153.771+/-0.510 χ^2/NDF: 16637.9/45



Right In: -4.431+/-0.792 χ^2/NDF: 156.8/19

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

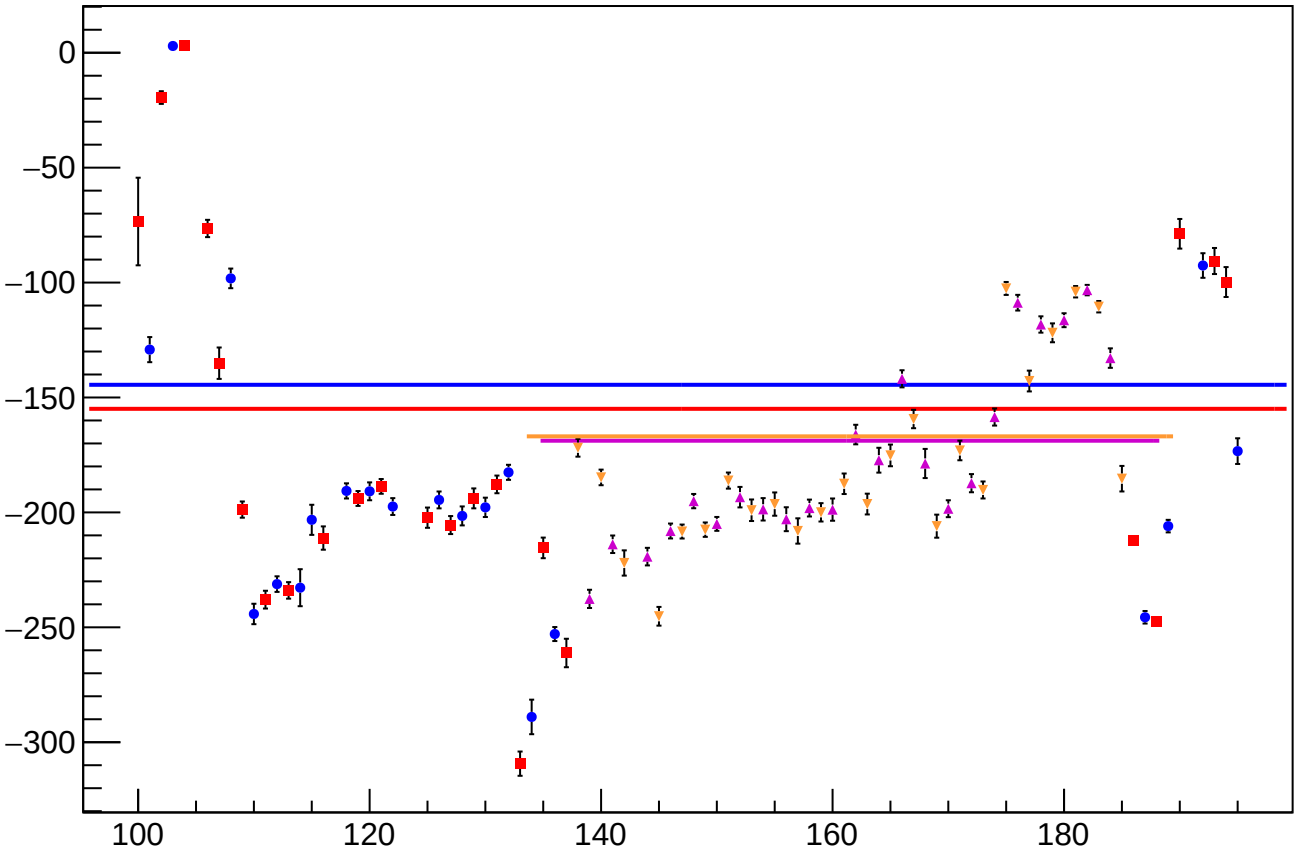
Right Out: -6.562+/-0.706 χ^2/NDF: 277.7/22

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -3.522+/-0.467 χ^2/NDF: 813.3/43

All: -3.850+/-0.325 χ^2/NDF: 1674.4/89

- sign -4.156+/-0.451 χ^2/NDF: 860.2/45



Right In: -144.480+/-0.760 χ^2/NDF: 17000.4/19

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

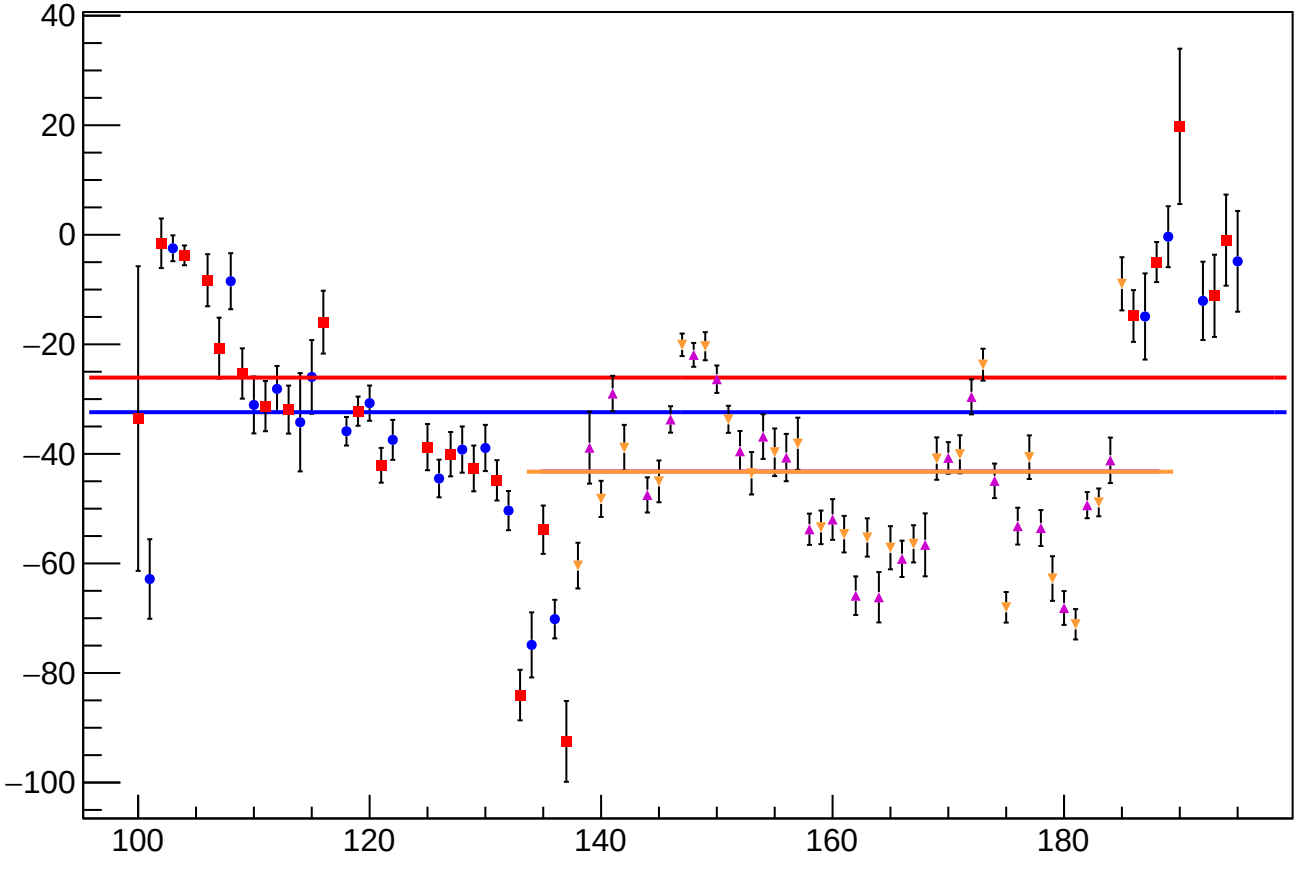
Right Out: -154.934+/-0.656 χ^2/NDF: 23500.6/22

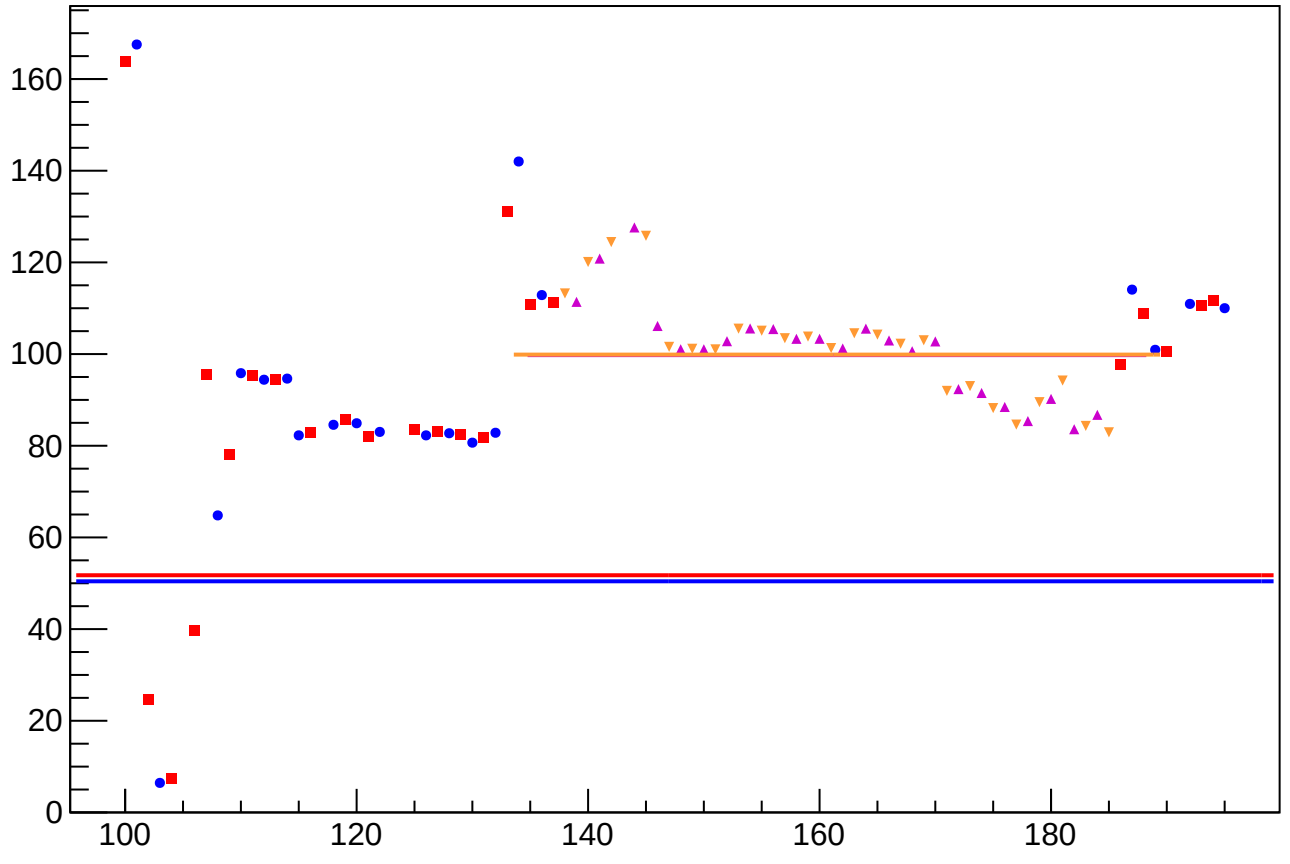
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.538+/-0.541 χ^2/NDF: 20525.9/43

All: -158.349+/-0.367 χ^2/NDF: 47323.5/89

- sign -160.747+/-0.500 χ^2/NDF: 26747.6/45


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
Right In: -32.391+/-0.934 χ²/NDF: 470.3/19
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -26.072+/-0.854 χ²/NDF: 637.6/22
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
+ sign -39.602+/-0.541 χ²/NDF: 1170.3/43
All: -38.100+/-0.378 χ²/NDF: 2478.1/89
- sign -36.674+/-0.527 χ²/NDF: 1292.8/45



Right In: 50.429+/-0.043 χ^2/NDF: 1280747.8/19

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

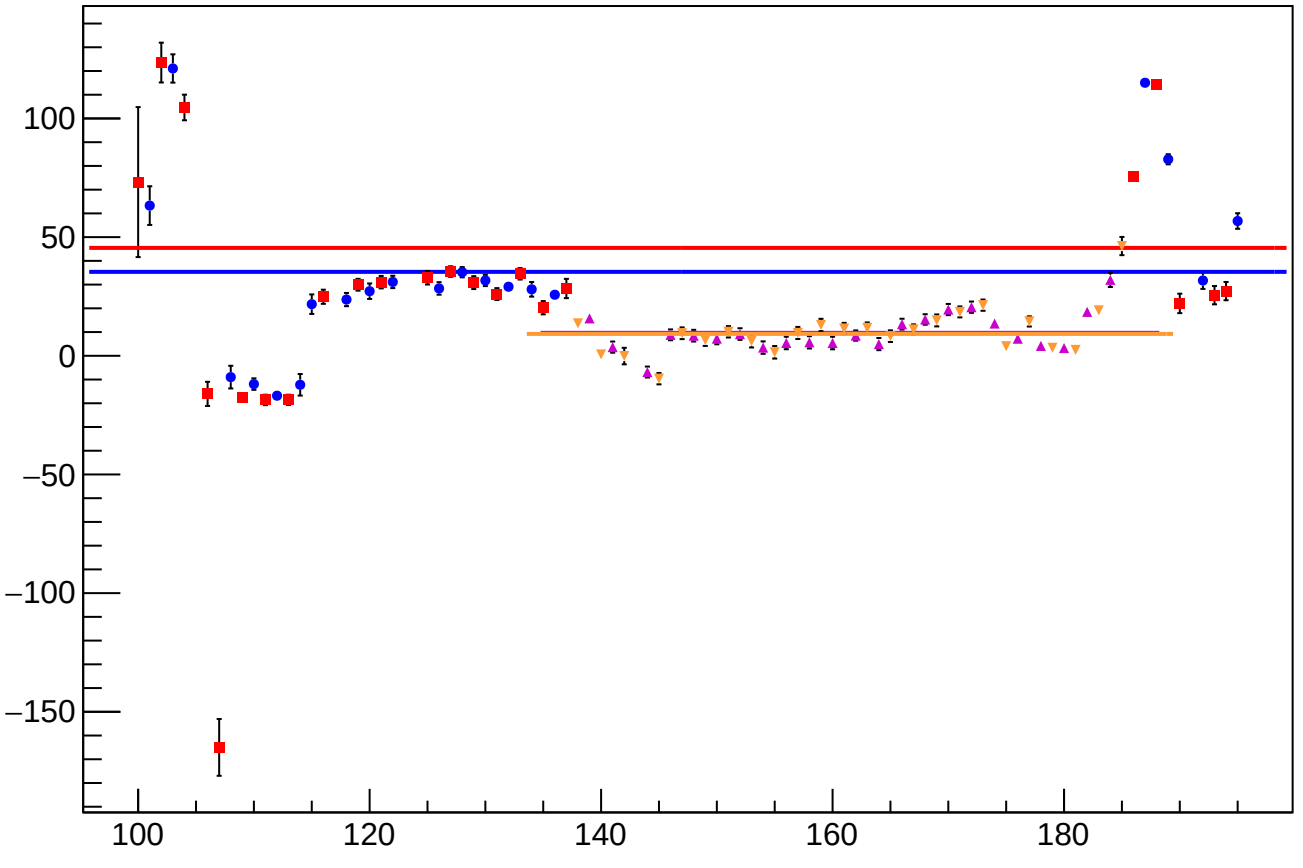
Right Out: 51.749+/-0.042 χ^2/NDF: 1086162.5/22

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.991+/-0.025 χ^2/NDF: 2286698.3/43

All: 83.049+/-0.018 χ^2/NDF: 4343600.6/89

- sign 83.106+/-0.025 χ^2/NDF: 2056891.5/45



Right In: 35.370+/-0.601 χ^2/NDF: 3688.2/19

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

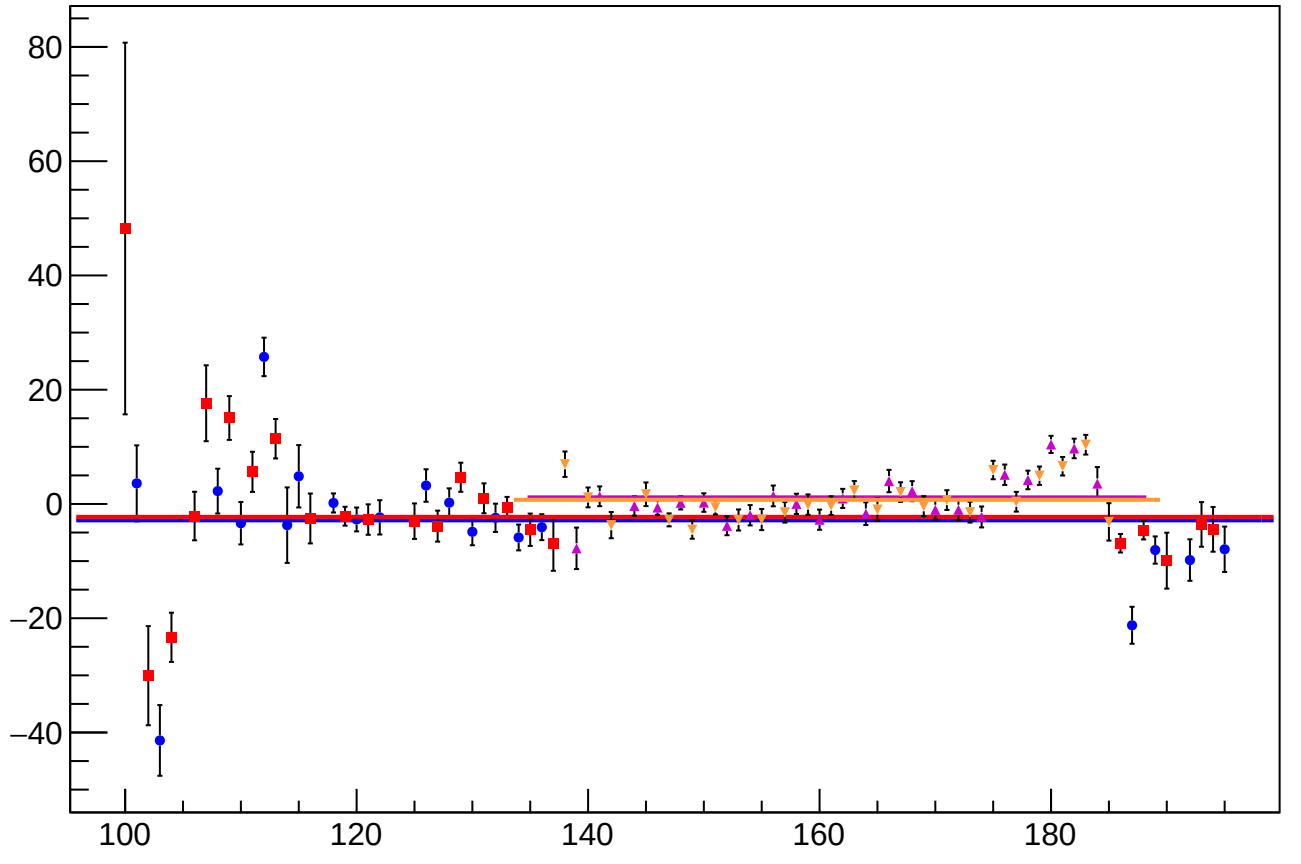
Right Out: 45.468+/-0.523 χ^2/NDF: 7778.4/22

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 18.781+/-0.364 χ^2/NDF: 5214.5/43

All: 22.234+/-0.251 χ^2/NDF: 16039.1/89

- sign 25.370+/-0.346 χ^2/NDF: 10652.5/45



Right In: -2.869+/-0.638 χ^2/NDF: 170.1/19

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

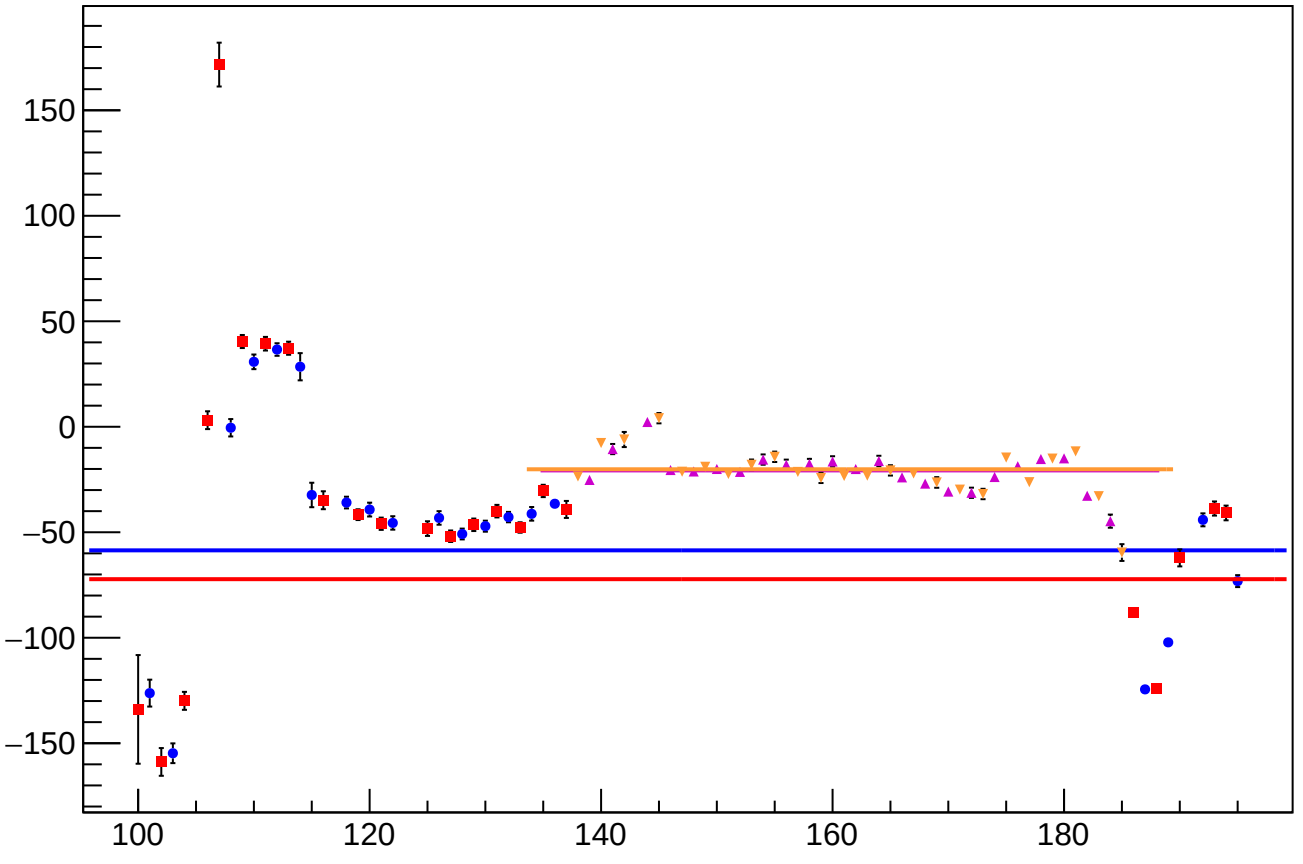
Right Out: -2.247+/-0.587 χ^2/NDF: 111.7/22

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.100+/-0.307 χ^2/NDF: 304.3/43

All: 0.068+/-0.216 χ^2/NDF: 551.6/89

- sign 0.236+/-0.305 χ^2/NDF: 246.7/45



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: -72.238+/-0.511 χ^2/NDF: 9442.4/22

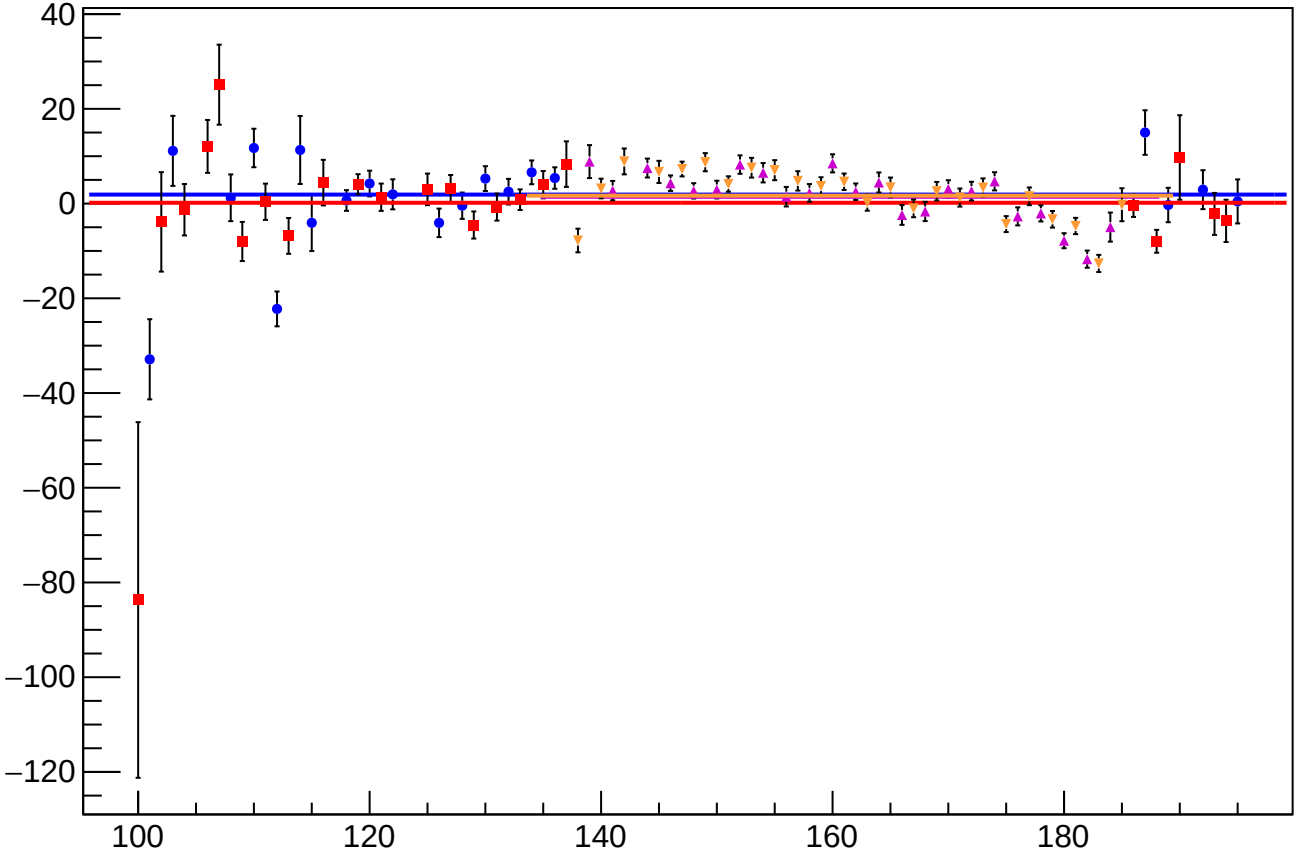
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -33.294+/-0.367 χ^2/NDF: 8155.9/43

All: -38.849+/-0.250 χ^2/NDF: 23986.9/89

\- sign -43.640+/-0.341 χ^2/NDF: 15404.3/45

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.897+/-0.745 χ^2/NDF: 91.7/19

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

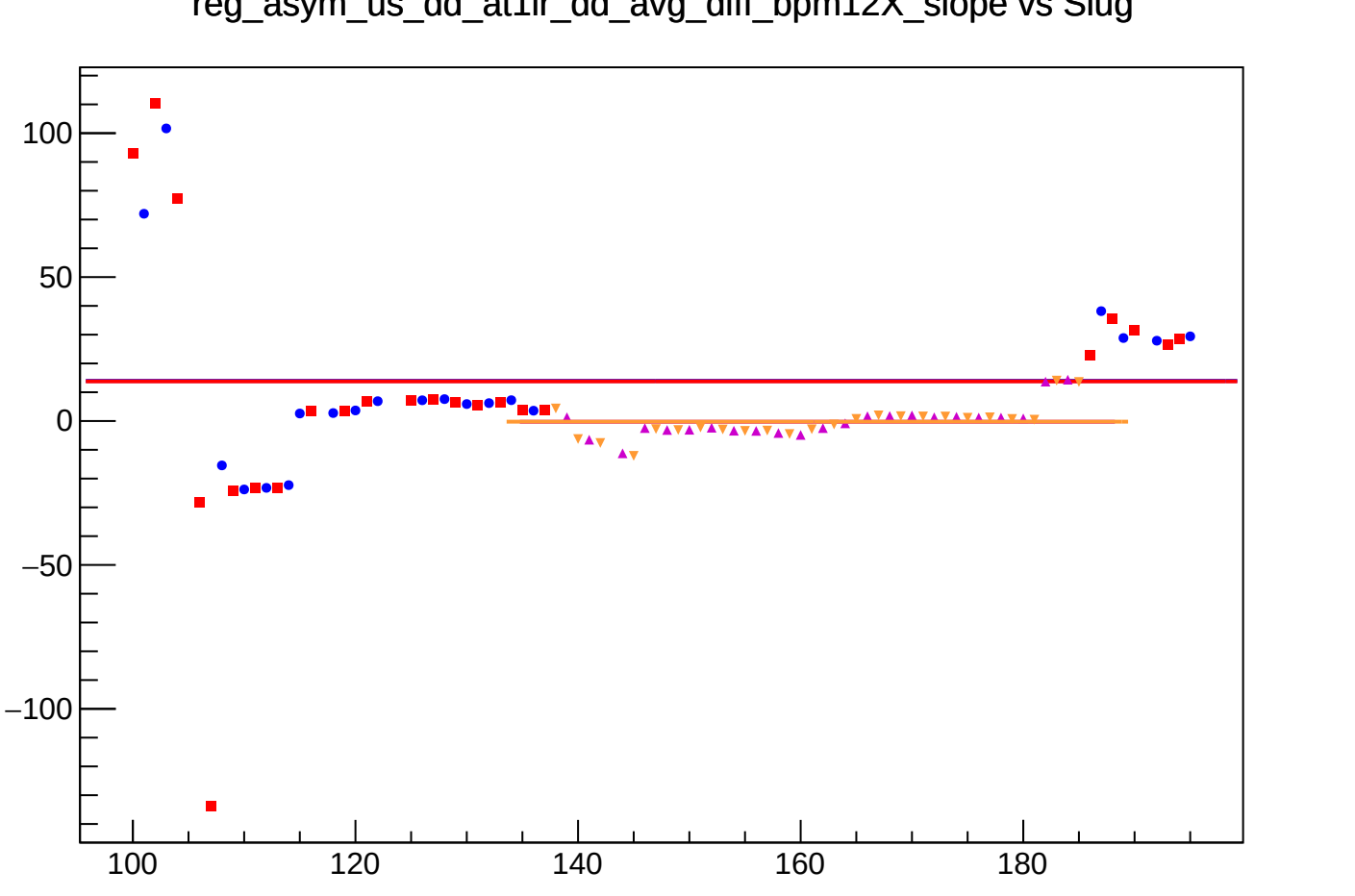
Right Out: 0.169+/-0.714 χ^2/NDF: 53.0/22

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.720+/-0.349 χ^2/NDF: 269.7/43

All: 1.424+/-0.247 χ^2/NDF: 489.3/89

- sign 1.124+/-0.351 χ^2/NDF: 218.2/45



Right In: 13.940+/-0.041 χ^2/NDF: 367576.3/19

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

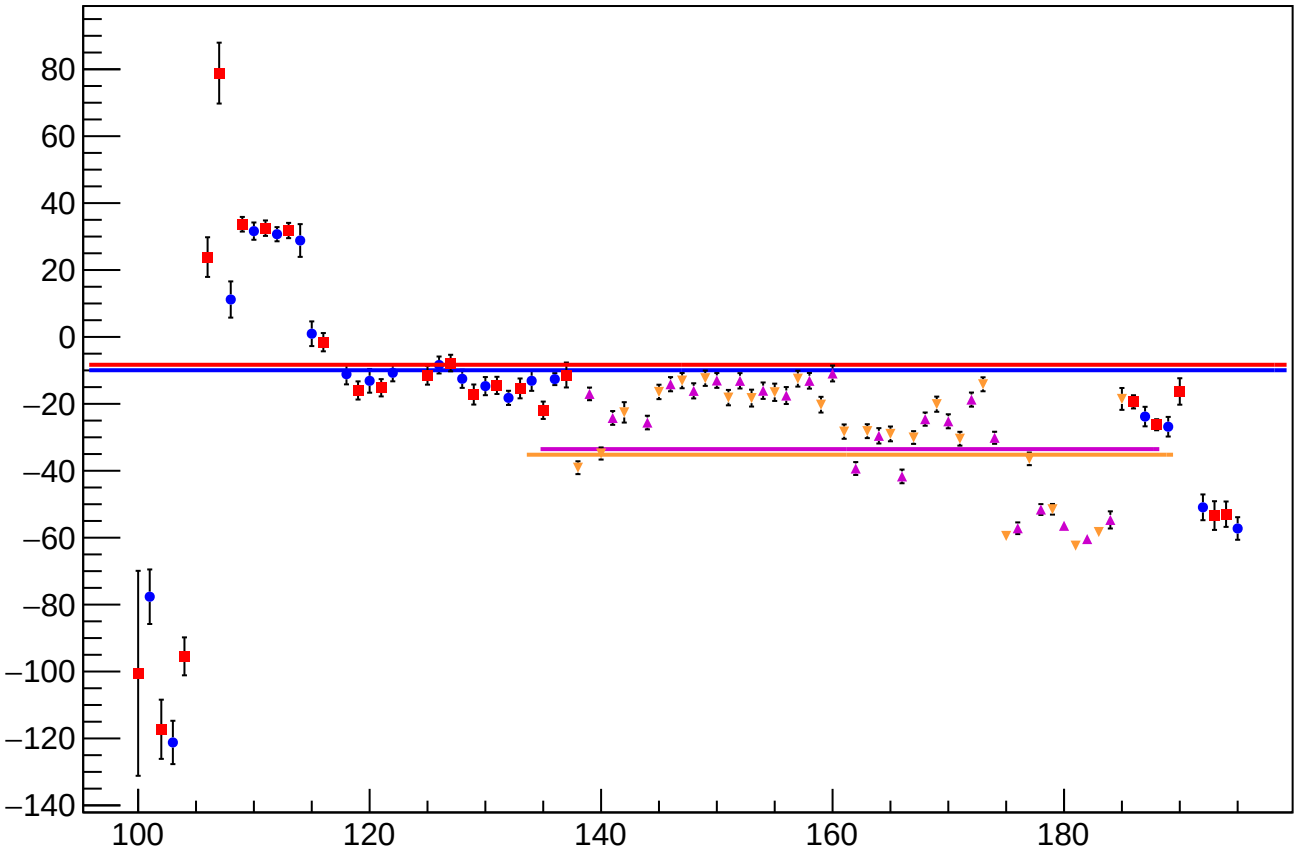
Right Out: 13.778+/-0.041 χ^2/NDF: 535315.1/22

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.956+/-0.016 χ^2/NDF: 548086.0/43

All: 1.952+/-0.011 χ^2/NDF: 1255181.9/89

- sign 1.947+/-0.016 χ^2/NDF: 707095.8/45



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: -8.319+/-0.599 χ^2/NDF: 1980.6/22

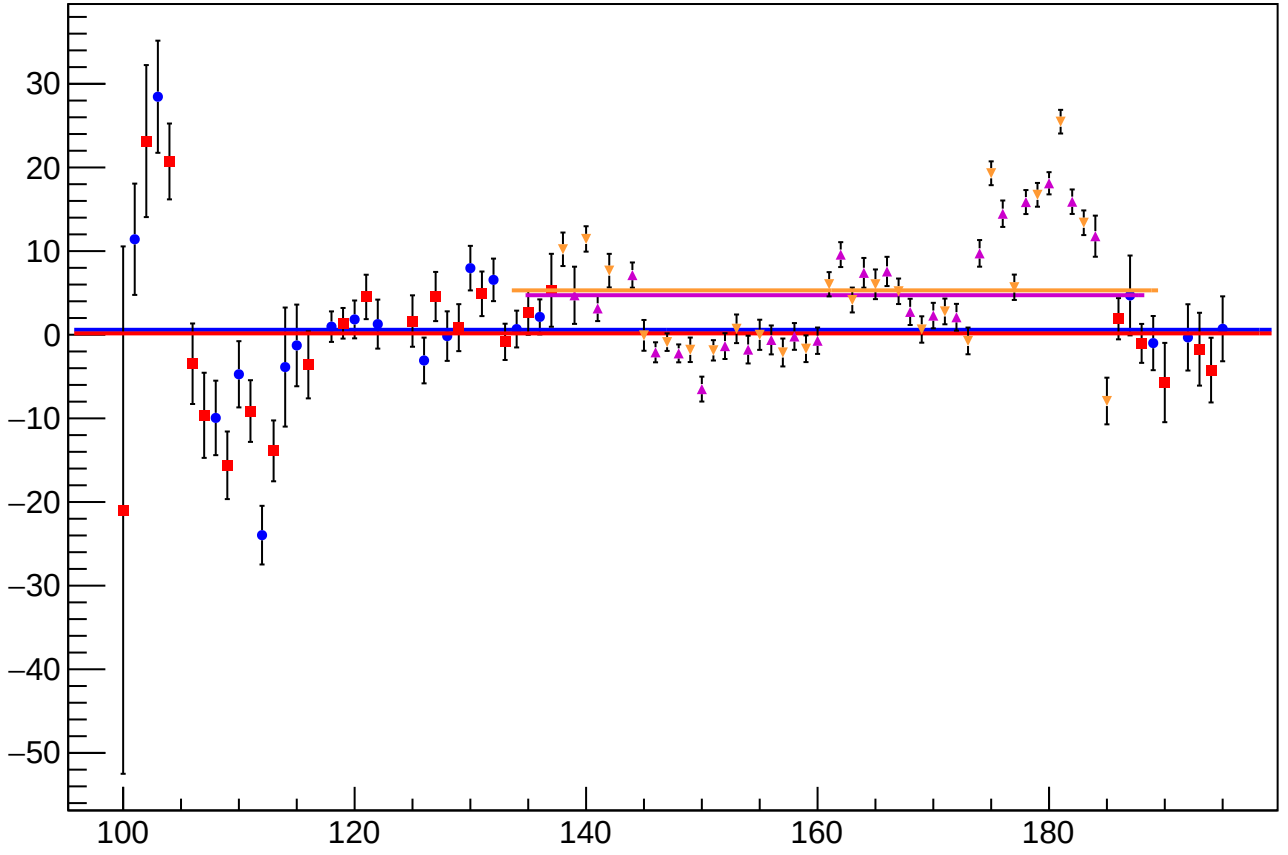
Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.068+/-0.346 χ^2/NDF: 4398.7/43

All: -26.704+/-0.243 χ^2/NDF: 9415.9/89

- sign -25.383+/-0.340 χ^2/NDF: 4986.6/45

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



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: 0.162+/-0.664 χ^2/NDF: 84.1/22

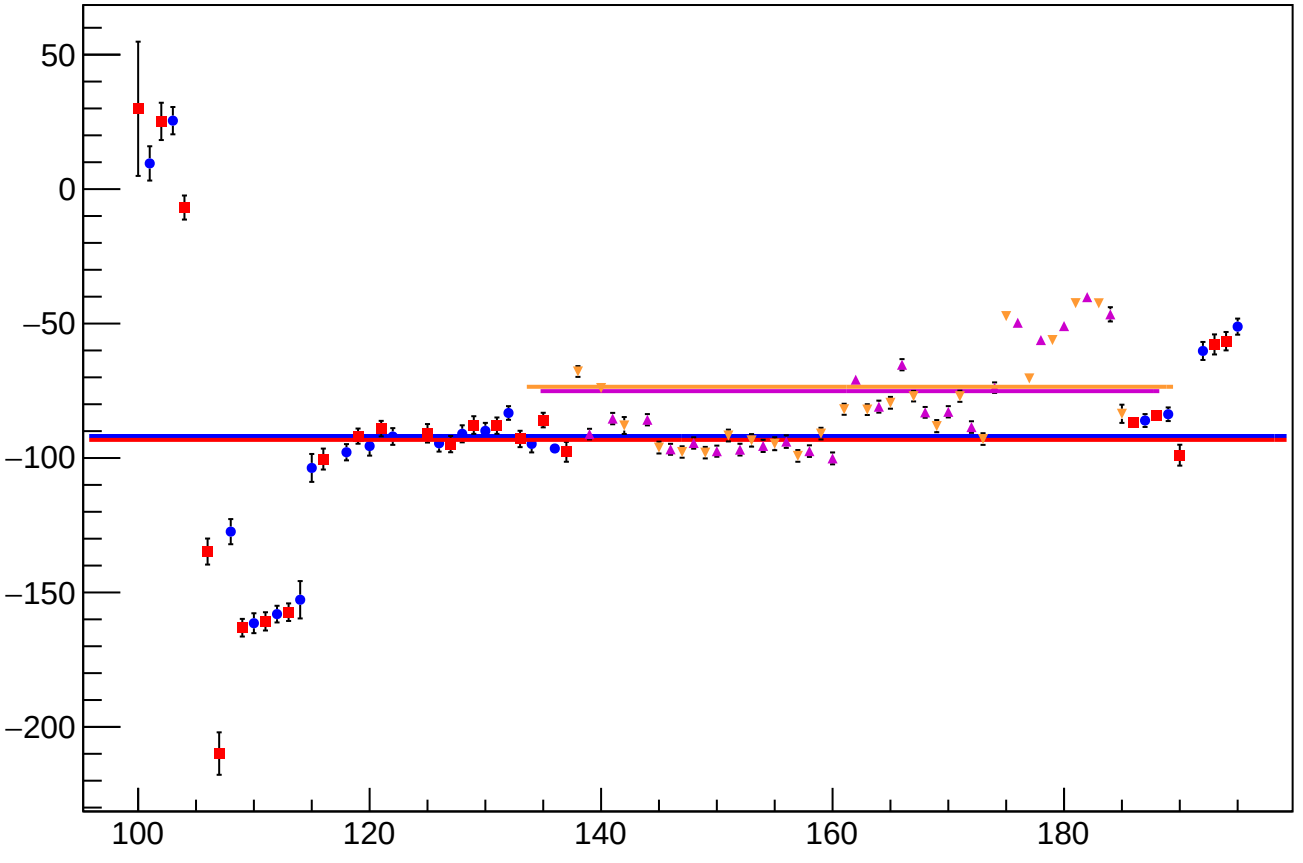
Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

\+ sign 4.474+/-0.286 χ^2/NDF: 757.9/43

All: 4.171+/-0.203 χ^2/NDF: 1378.5/89

\- sign 3.861+/-0.289 χ^2/NDF: 618.4/45

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -91.817+/-0.699 χ^2/NDF: 2050.6/19

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

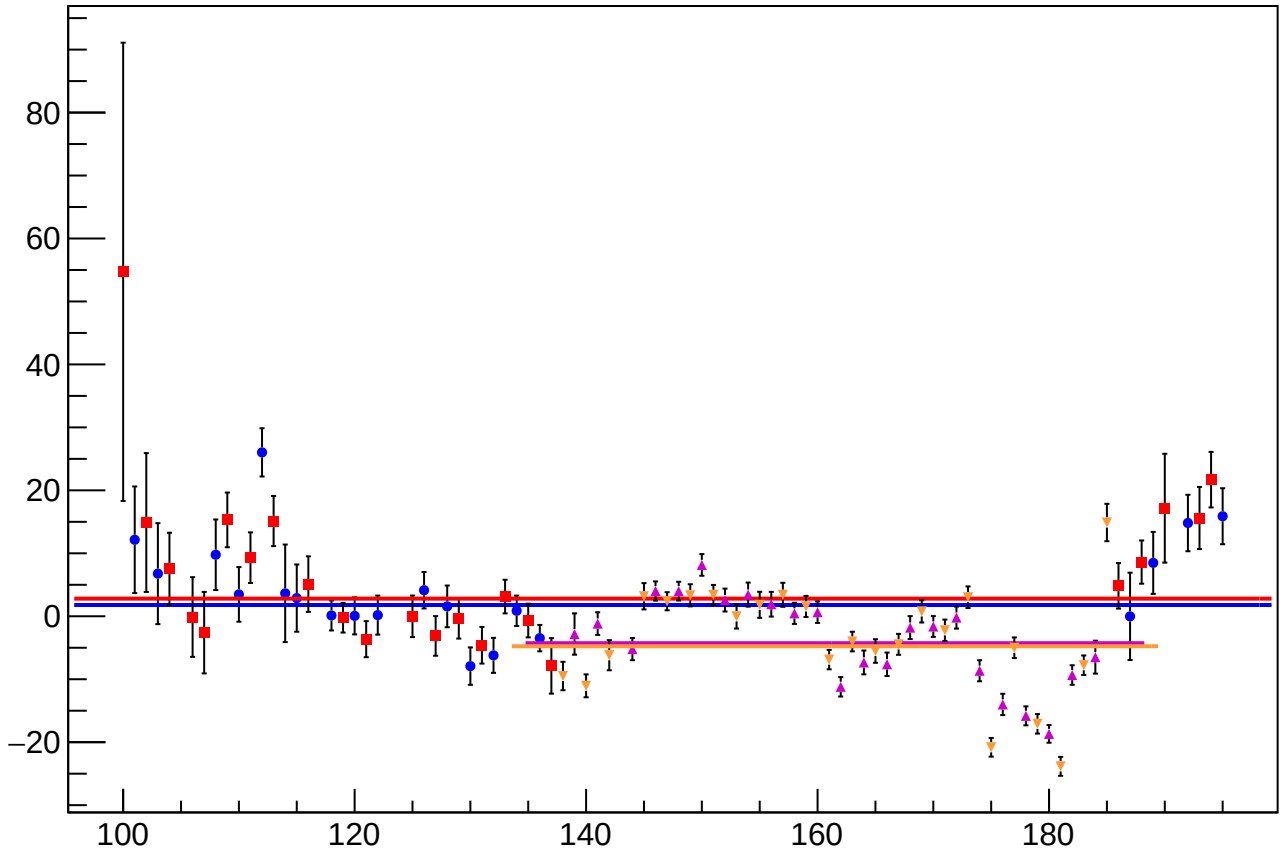
Right Out: -93.255+/-0.619 χ^2/NDF: 2506.4/22

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.109+/-0.351 χ^2/NDF: 4955.7/43

All: -79.418+/-0.245 χ^2/NDF: 10447.2/89

- sign -80.662+/-0.342 χ^2/NDF: 5464.4/45



Right In: 1.790+/-0.780 χ^2/NDF: 91.7/19

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

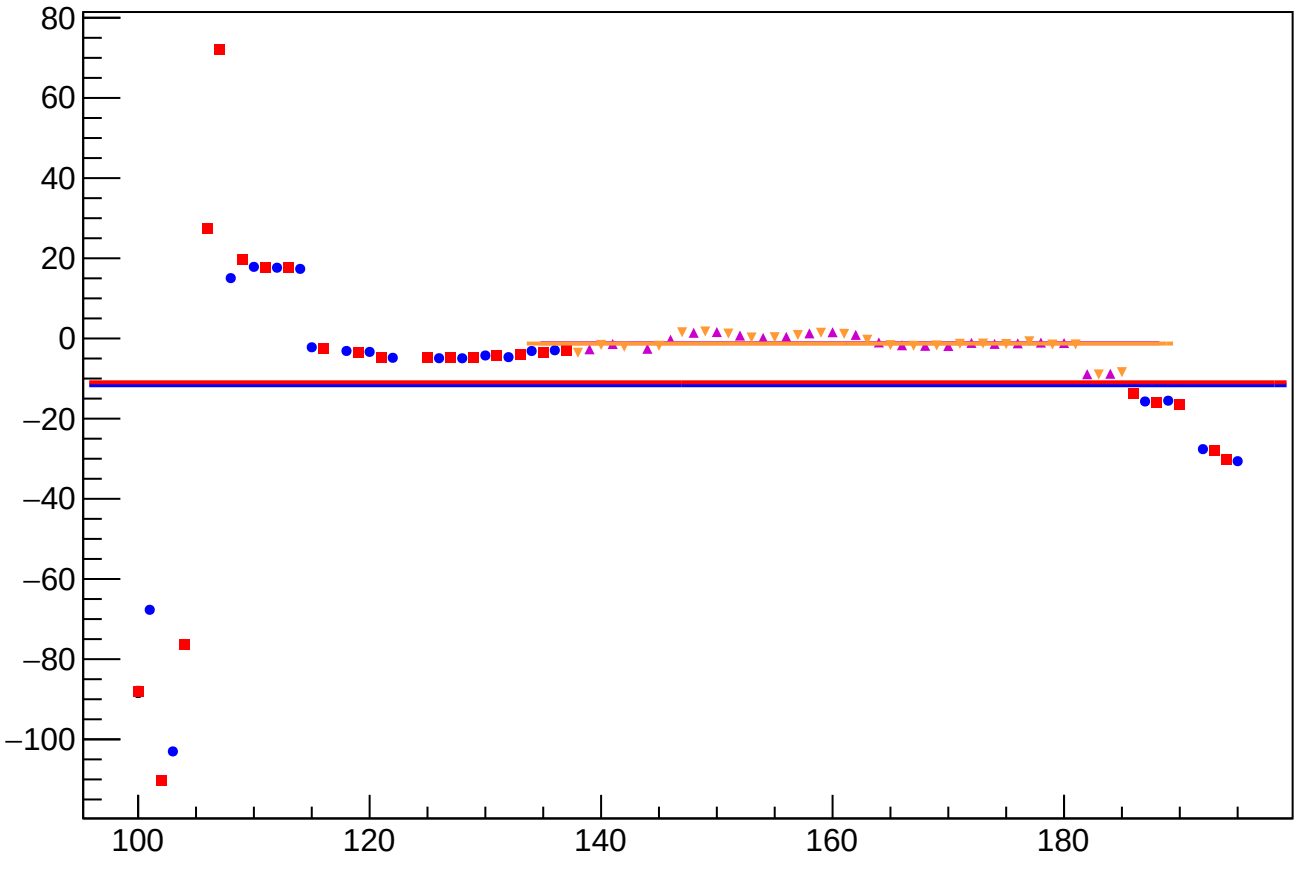
Right Out: 2.802+/-0.783 χ^2/NDF: 82.7/22

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.638+/-0.323 χ^2/NDF: 727.2/43

All: -3.342+/-0.230 χ^2/NDF: 1303.1/89

- sign -3.038+/-0.328 χ^2/NDF: 574.2/45



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: -10.938+/-0.044 χ^2/NDF: 388881.7/22

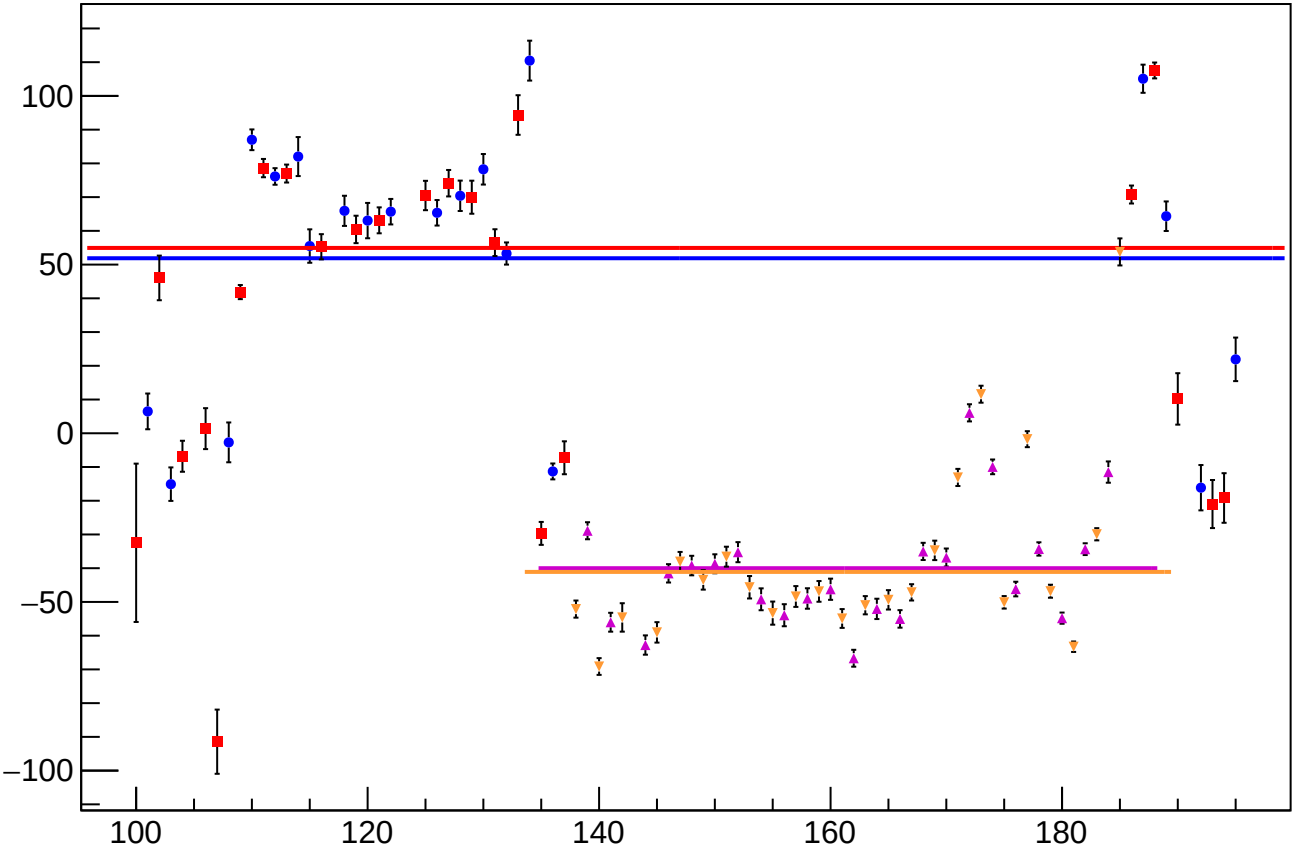
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.559+/-0.015 χ^2/NDF: 387100.0/43

All: -2.448+/-0.011 χ^2/NDF: 845077.4/89

- sign -2.334+/-0.015 χ^2/NDF: 457863.3/45

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: 54.940+/-0.797 χ^2/NDF: 2359.1/22

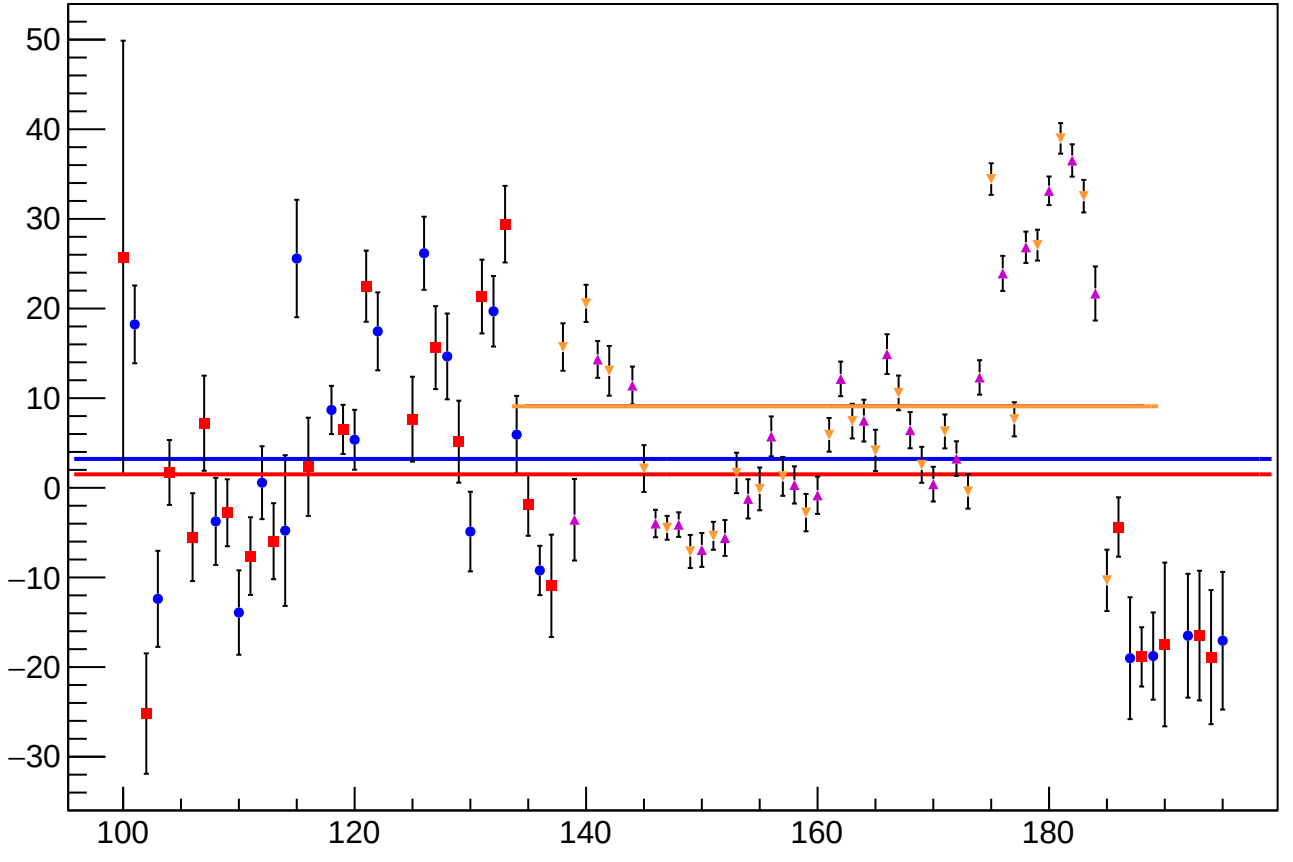
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -18.084+/-0.449 χ^2/NDF: 11742.7/43

All: -14.629+/-0.313 χ^2/NDF: 25149.3/89

\- sign -11.337+/-0.438 χ^2/NDF: 13290.9/45

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

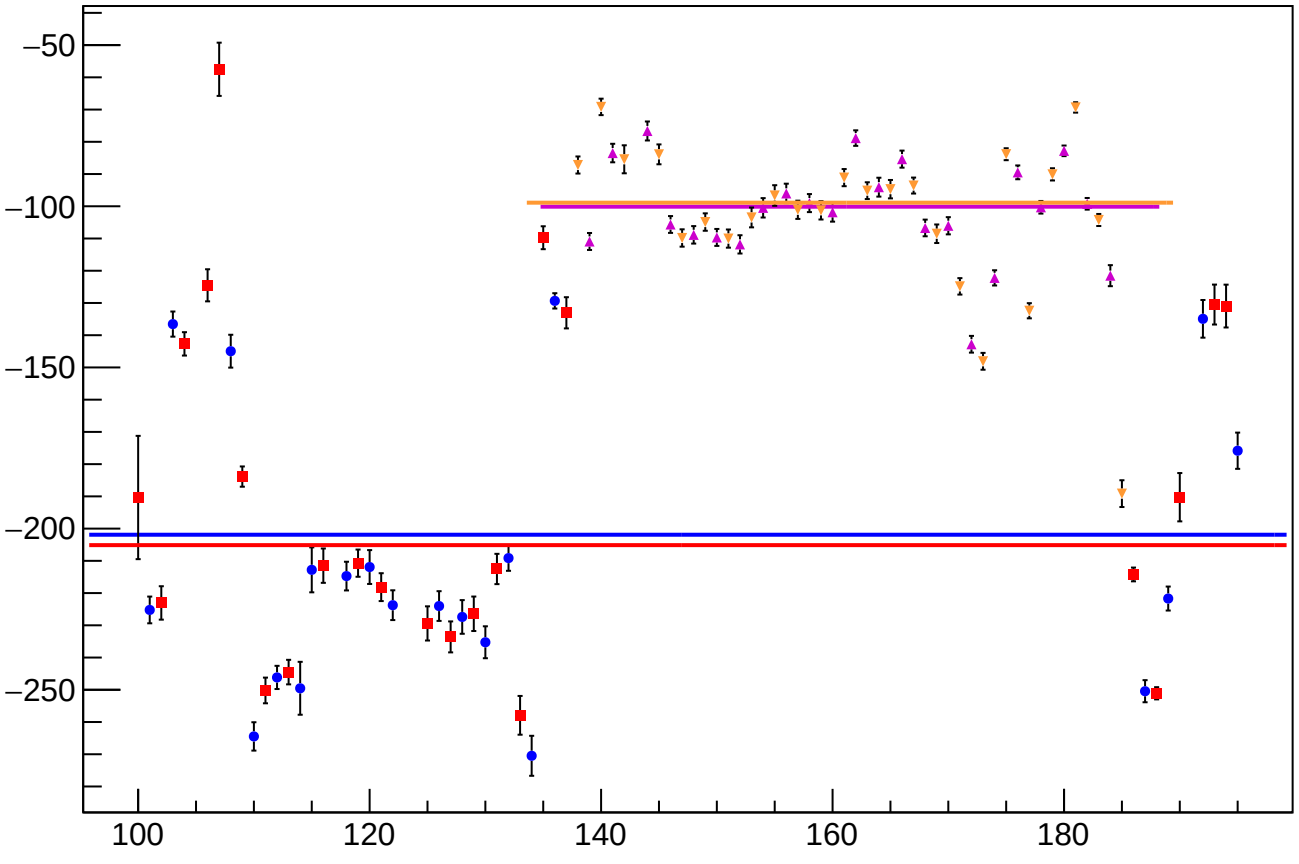
Right Out: 1.503+/-0.917 χ^2/NDF: 202.5/22

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.237+/-0.371 χ^2/NDF: 1474.3/43

All: 8.049+/-0.263 χ^2/NDF: 2786.6/89

- sign 7.858+/-0.374 χ^2/NDF: 1311.9/45



Right In: -201.899+/-0.967 χ^2/NDF: 2393.1/19

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

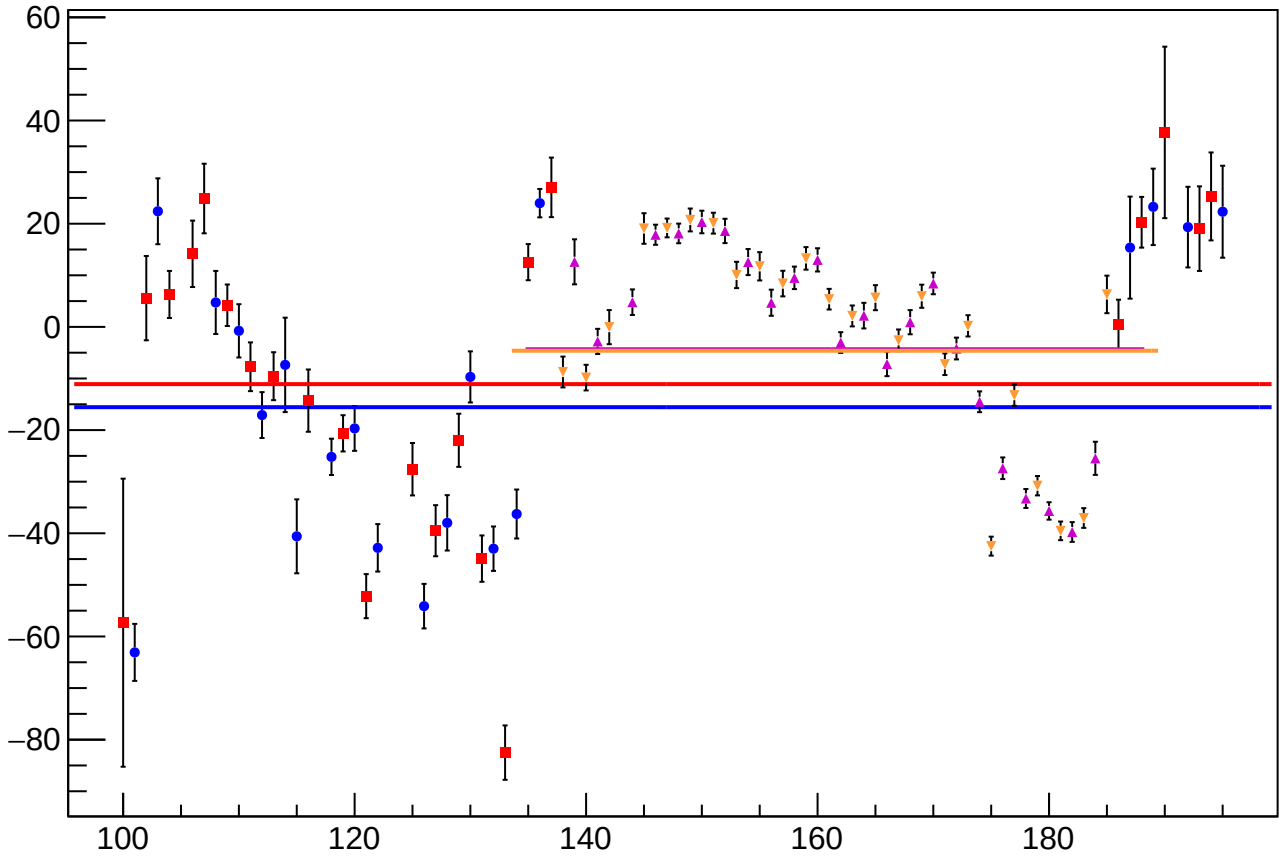
Right Out: -205.126+/-0.839 χ^2/NDF: 3157.0/22

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.602+/-0.454 χ^2/NDF: 13071.2/43

All: -125.549+/-0.317 χ^2/NDF: 28520.2/89

- sign -129.292+/-0.442 χ^2/NDF: 15301.7/45



Right In: -15.563+/-1.117 χ^2/NDF: 625.0/19

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

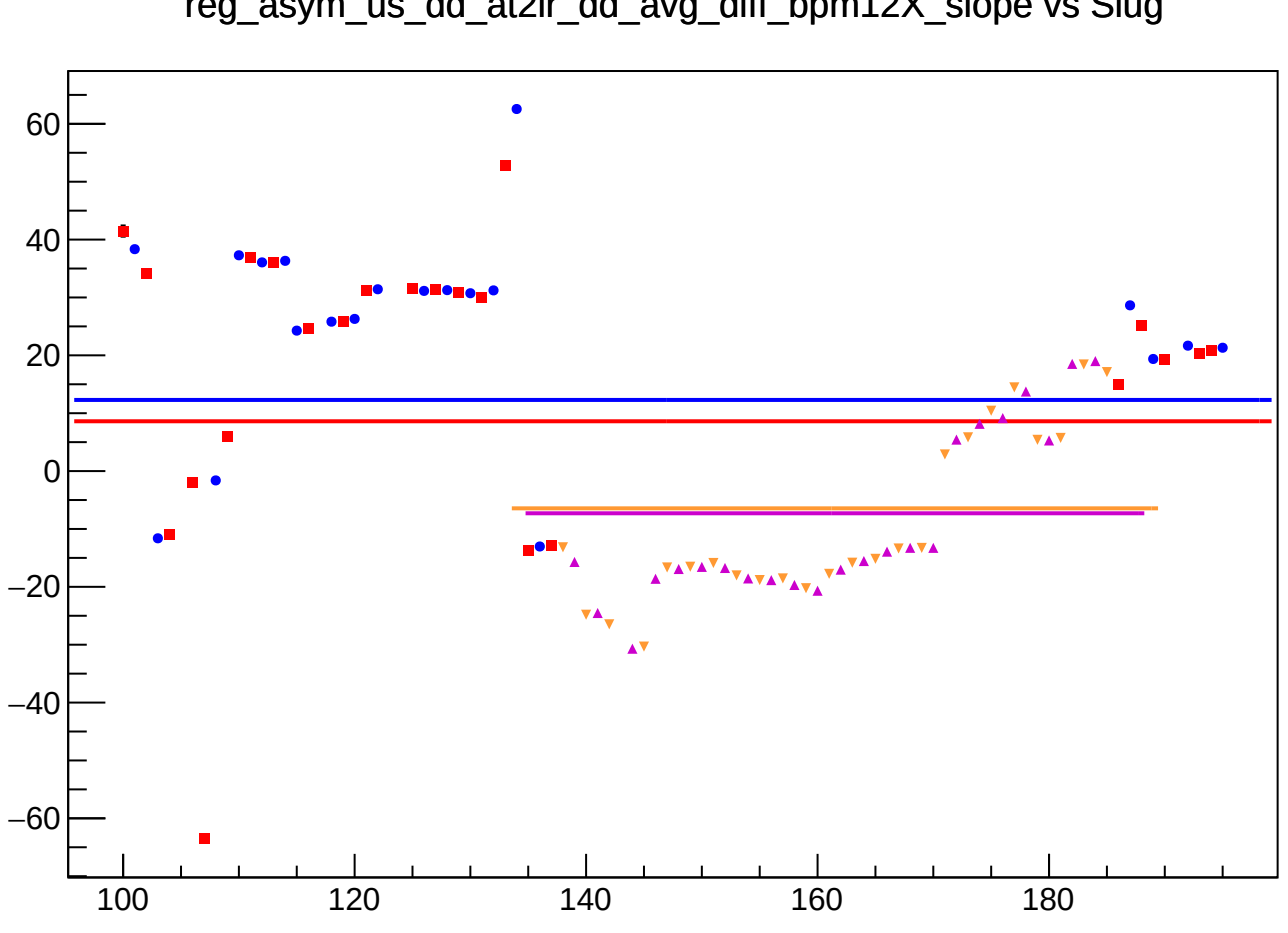
Right Out: -11.091+/-1.080 χ^2/NDF: 644.6/22

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.154+/-0.418 χ^2/NDF: 2785.8/43

All: -5.761+/-0.297 χ^2/NDF: 5319.5/89

- sign -5.362+/-0.422 χ^2/NDF: 2531.9/45



Right In: 12.293+/-0.058 χ^2/NDF: 169442.6/19

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

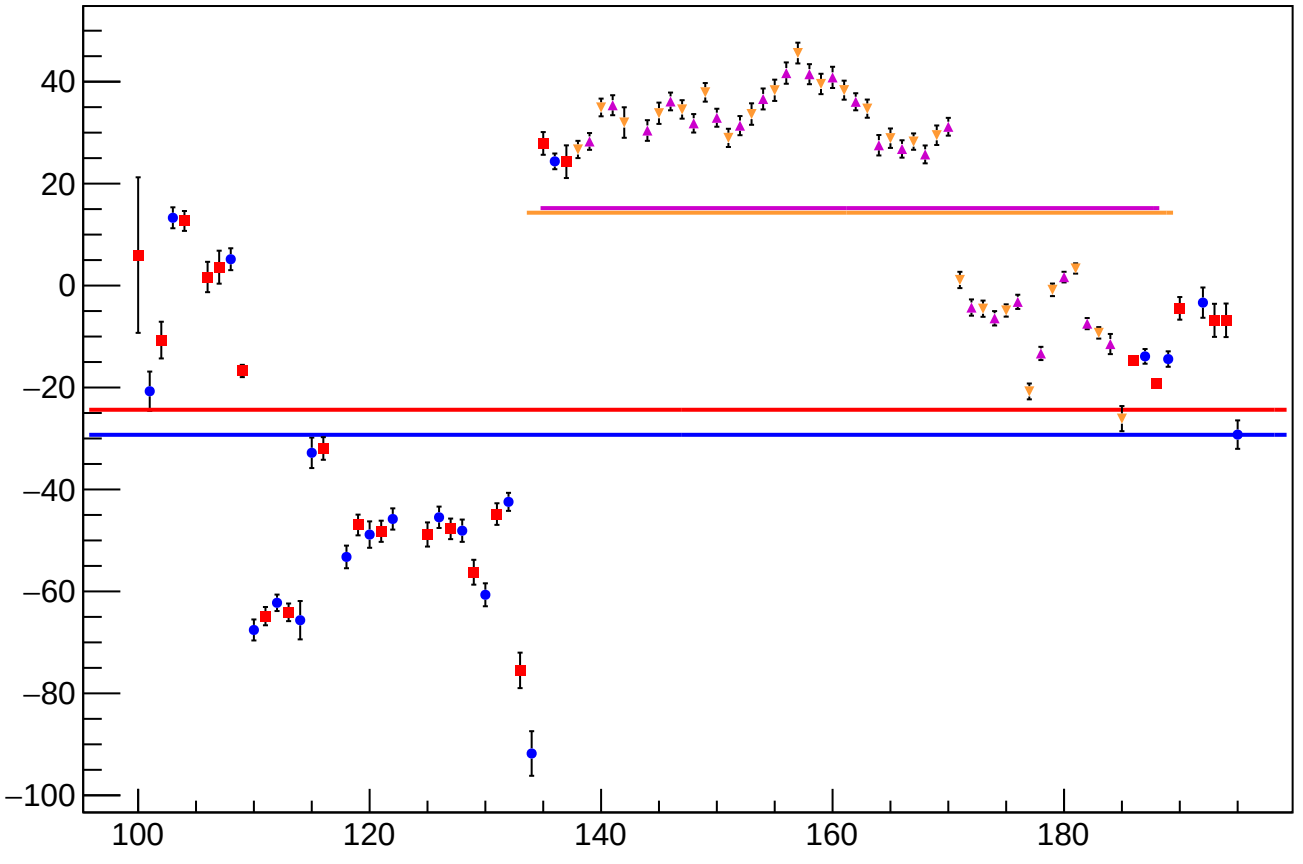
Right Out: 8.607+/-0.057 χ^2/NDF: 167048.8/22

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.420+/-0.019 χ^2/NDF: 758817.5/43

All: -4.961+/-0.014 χ^2/NDF: 1484650.5/89

- sign -5.506+/-0.019 χ^2/NDF: 724217.3/45



Right In: -29.278+/-0.472 χ^2/NDF: 3870.6/19

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

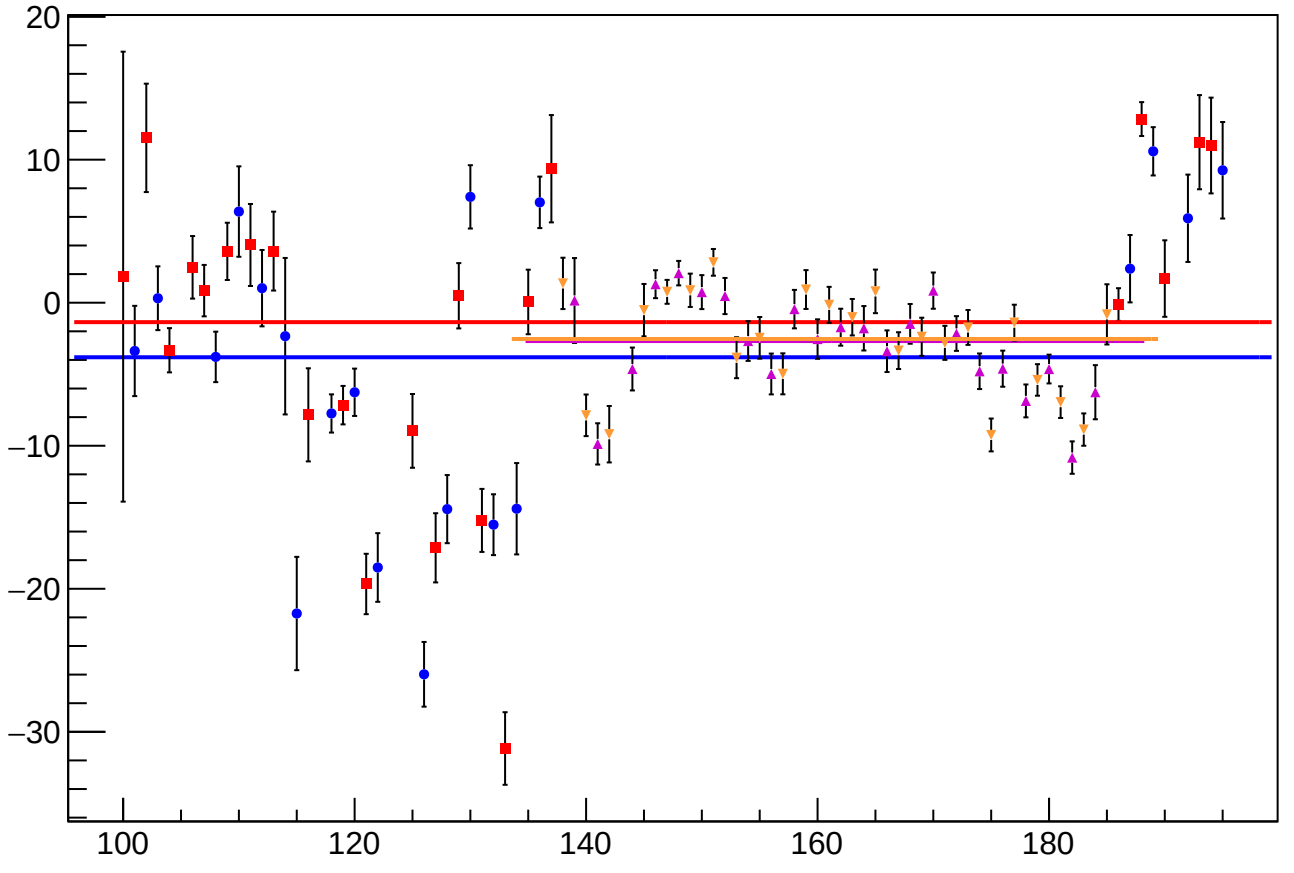
Right Out: -24.364+/-0.387 χ^2/NDF: 3656.7/22

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.314+/-0.273 χ^2/NDF: 13262.1/43

All: -1.227+/-0.186 χ^2/NDF: 26258.2/89

- sign -2.023+/-0.255 χ^2/NDF: 12975.2/45



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: -1.359+/-0.433 χ^2/NDF: 540.8/22

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.807+/-0.230 χ^2/NDF: 613.3/43

All: -2.560+/-0.161 χ^2/NDF: 1345.2/89

- sign -2.321+/-0.226 χ^2/NDF: 729.6/45

Right In: 53.843+/-0.473 χ^2/NDF: 6577.4/19

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

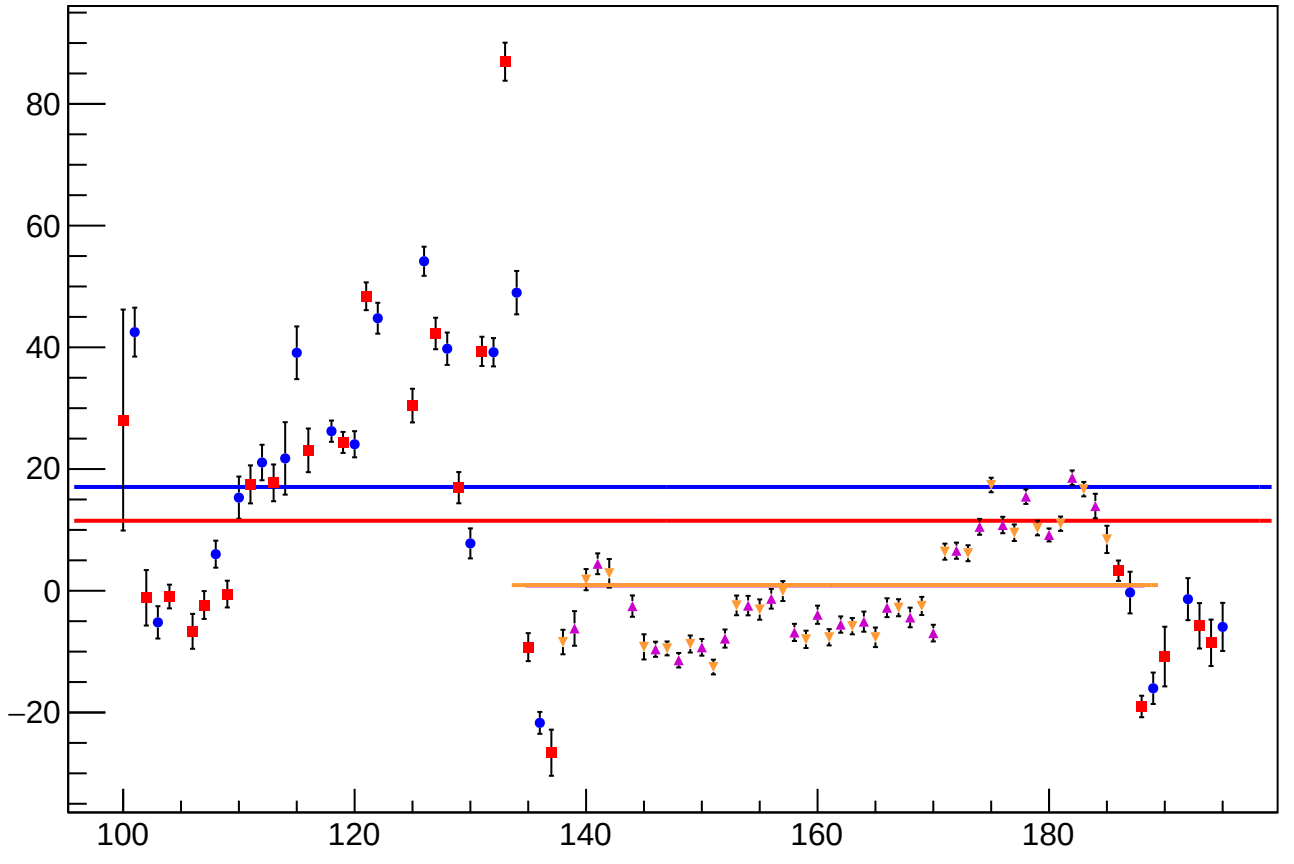
Right Out: 47.032+/-0.369 χ^2/NDF: 5835.7/22

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 21.918+/-0.272 χ^2/NDF: 16170.1/43

All: 23.195+/-0.184 χ^2/NDF: 31500.4/89

\- sign 24.260+/-0.249 χ^2/NDF: 15289.9/45



Right In: 17.053+/-0.595 χ^2/NDF: 1534.4/19

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

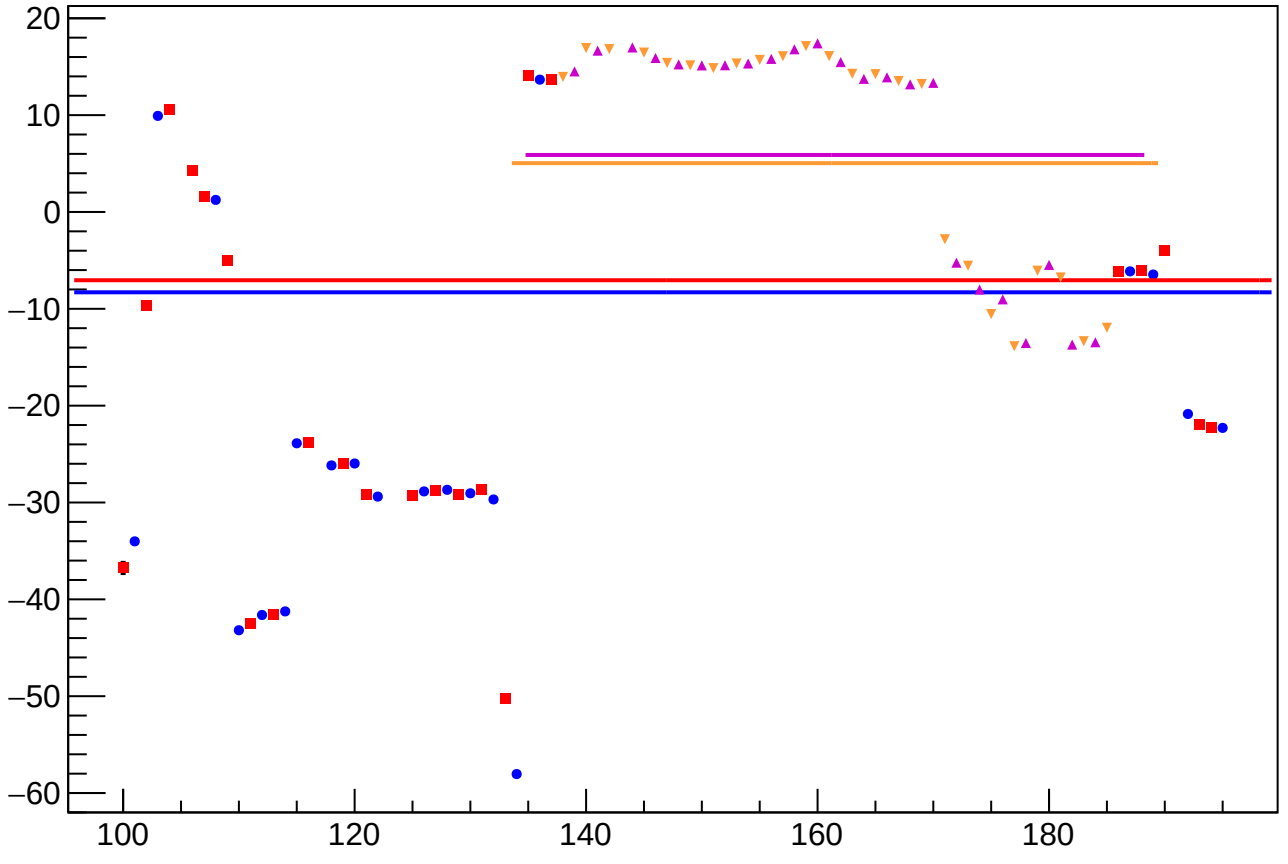
Right Out: 11.503+/-0.536 χ^2/NDF: 1975.0/22

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.054+/-0.262 χ^2/NDF: 3167.8/43

All: 3.712+/-0.185 χ^2/NDF: 6452.5/89

- sign 3.374+/-0.260 χ^2/NDF: 3281.2/45



Right In: -8.296+/-0.029 χ^2/NDF: 441204.8/19

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

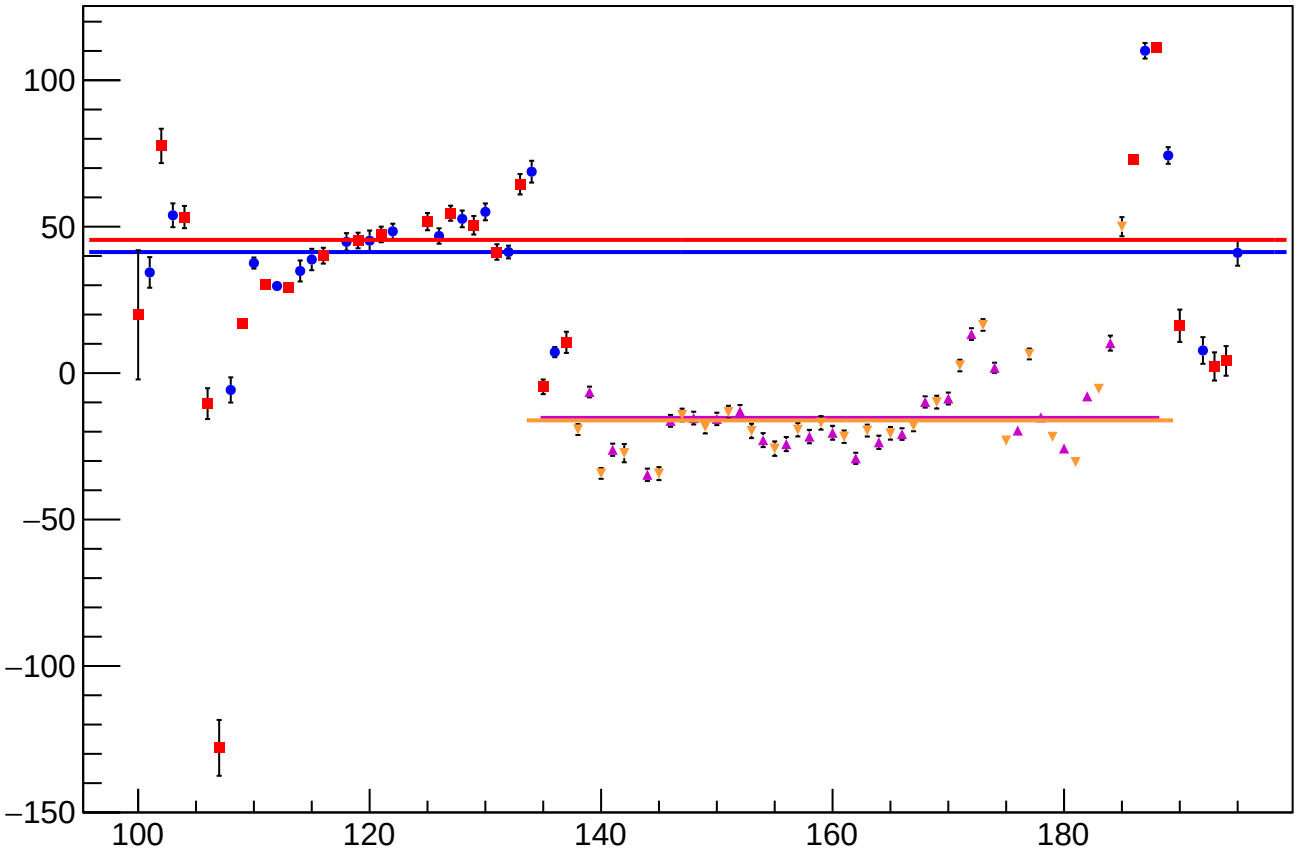
Right Out: -7.049+/-0.028 χ^2/NDF: 347450.0/22

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.851+/-0.012 χ^2/NDF: 1468096.1/43

All: 3.206+/-0.008 χ^2/NDF: 2837788.3/89

- sign 3.559+/-0.012 χ^2/NDF: 1367925.0/45



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: 45.486+/-0.542 χ^2/NDF: 3874.6/22

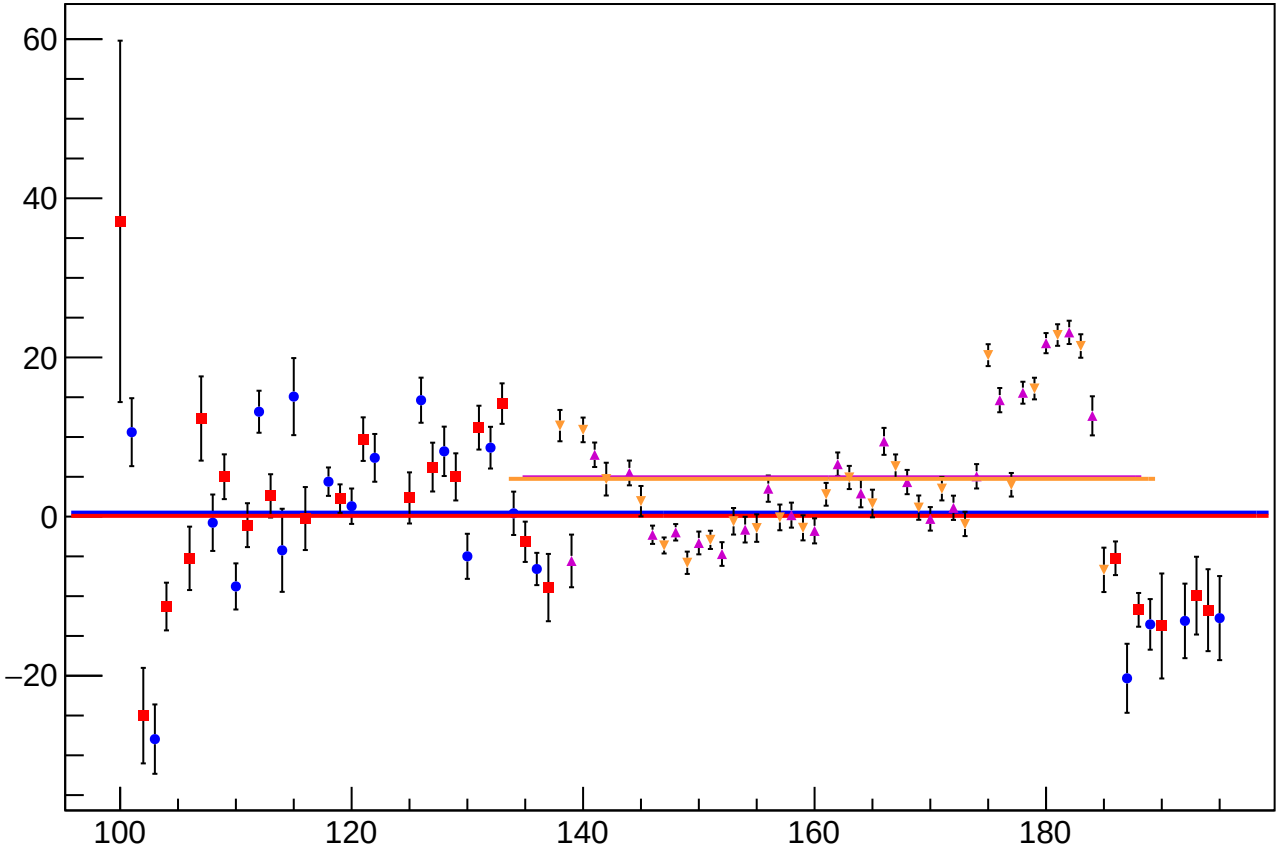
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 1.006+/-0.333 χ^2/NDF: 9123.2/43

All: 3.768+/-0.232 χ^2/NDF: 21991.8/89

\- sign 6.370+/-0.323 χ^2/NDF: 12735.2/45

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

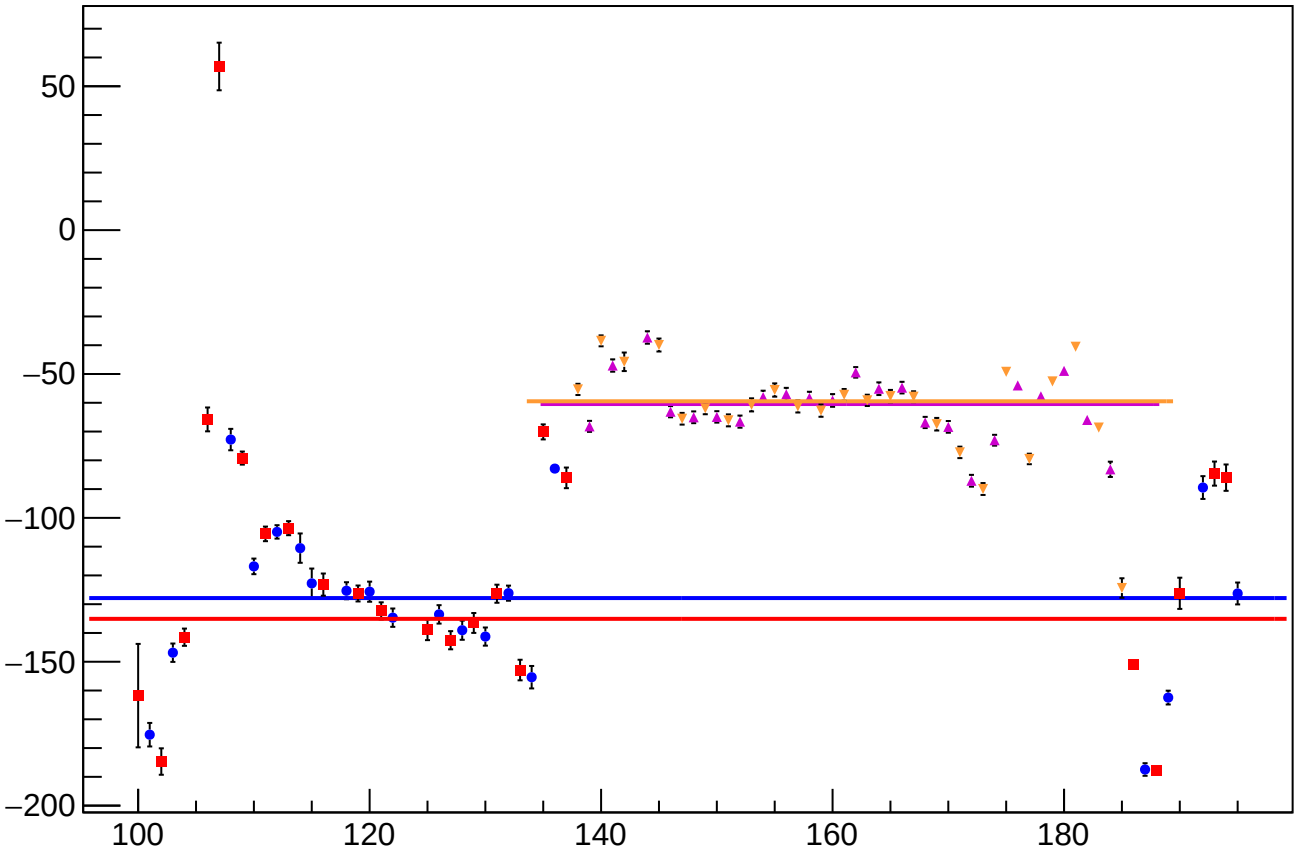
Right Out: 0.092+/-0.632 χ^2/NDF: 171.3/22

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

\+ sign 3.999+/-0.278 χ^2/NDF: 1043.1/43

All: 3.990+/-0.198 χ^2/NDF: 1949.9/89

\- sign 3.981+/-0.280 χ^2/NDF: 906.8/45



Right In: -127.871+/-0.665 χ^2/NDF: 2306.2/19

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

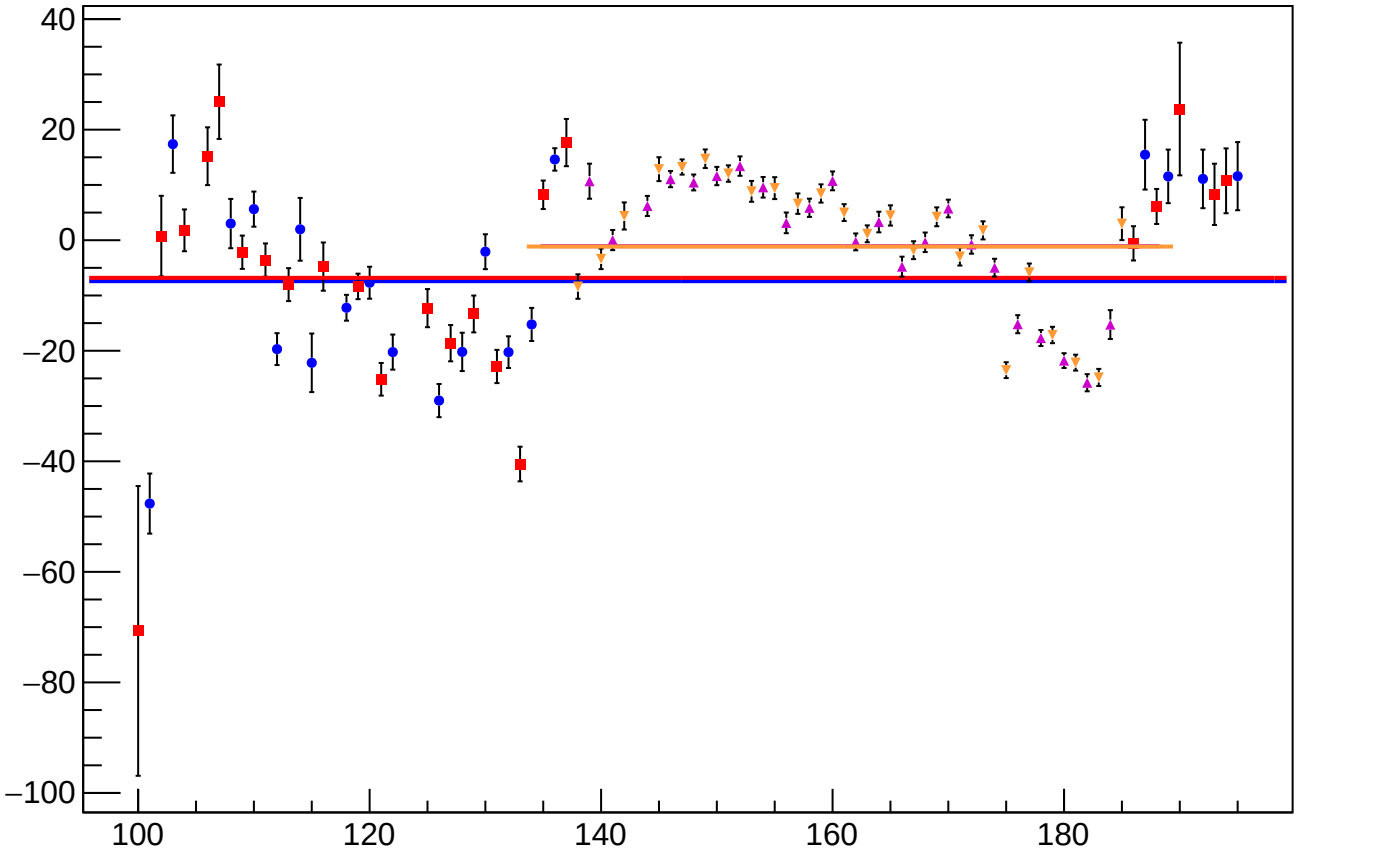
Right Out: -135.092+/-0.571 χ^2/NDF: 4974.3/22

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.310+/-0.340 χ^2/NDF: 11496.9/43

All: -81.291+/-0.236 χ^2/NDF: 28889.5/89

\- sign -84.988+/-0.327 χ^2/NDF: 17127.6/45



Right In: -7.413+/-0.765 χ^2/NDF: 412.3/19

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

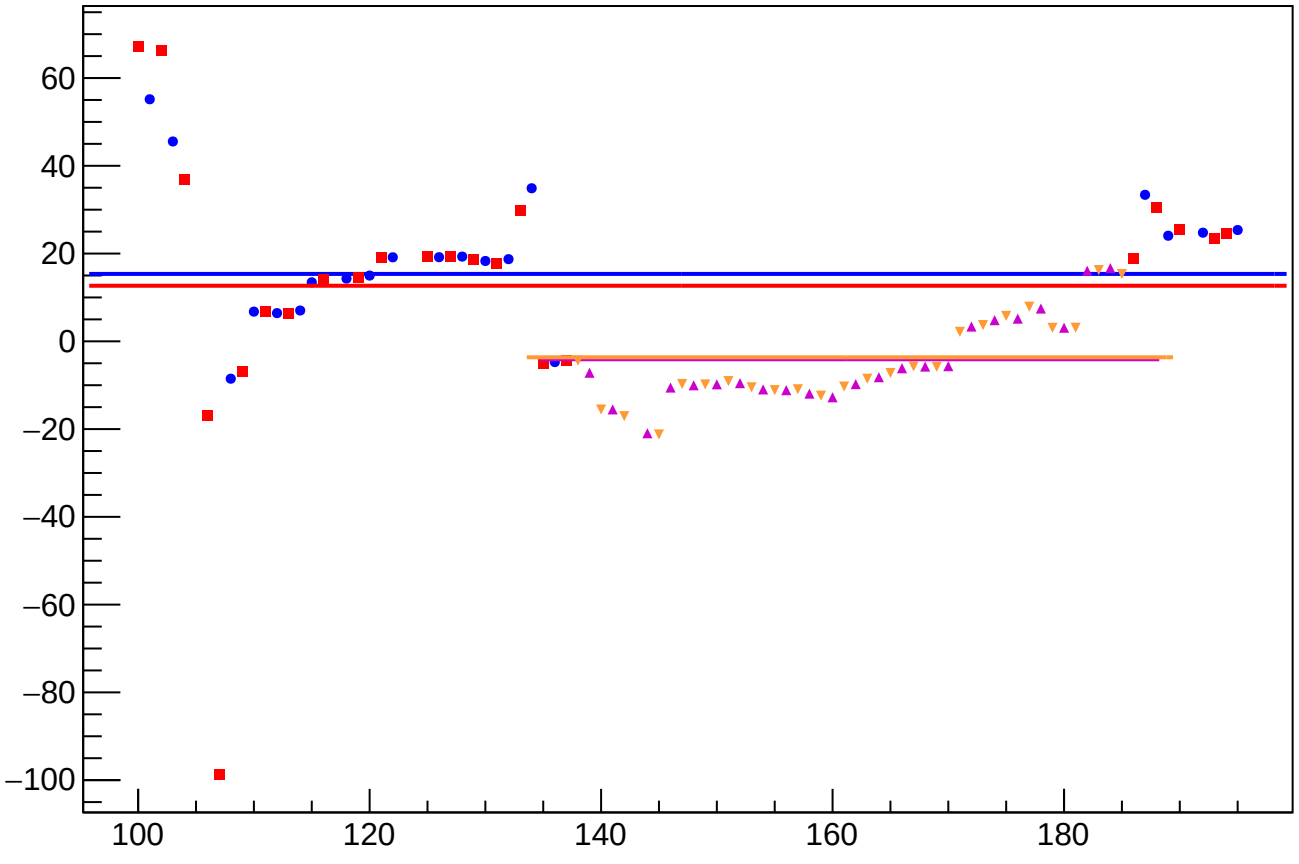
Right Out: -6.809+/-0.746 χ^2/NDF: 368.8/22

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.207+/-0.315 χ^2/NDF: 1771.0/43

All: -2.165+/-0.224 χ^2/NDF: 3345.4/89

- sign -2.123+/-0.318 χ^2/NDF: 1574.3/45



Right In: 15.361+/-0.041 χ^2/NDF: 195804.3/19

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

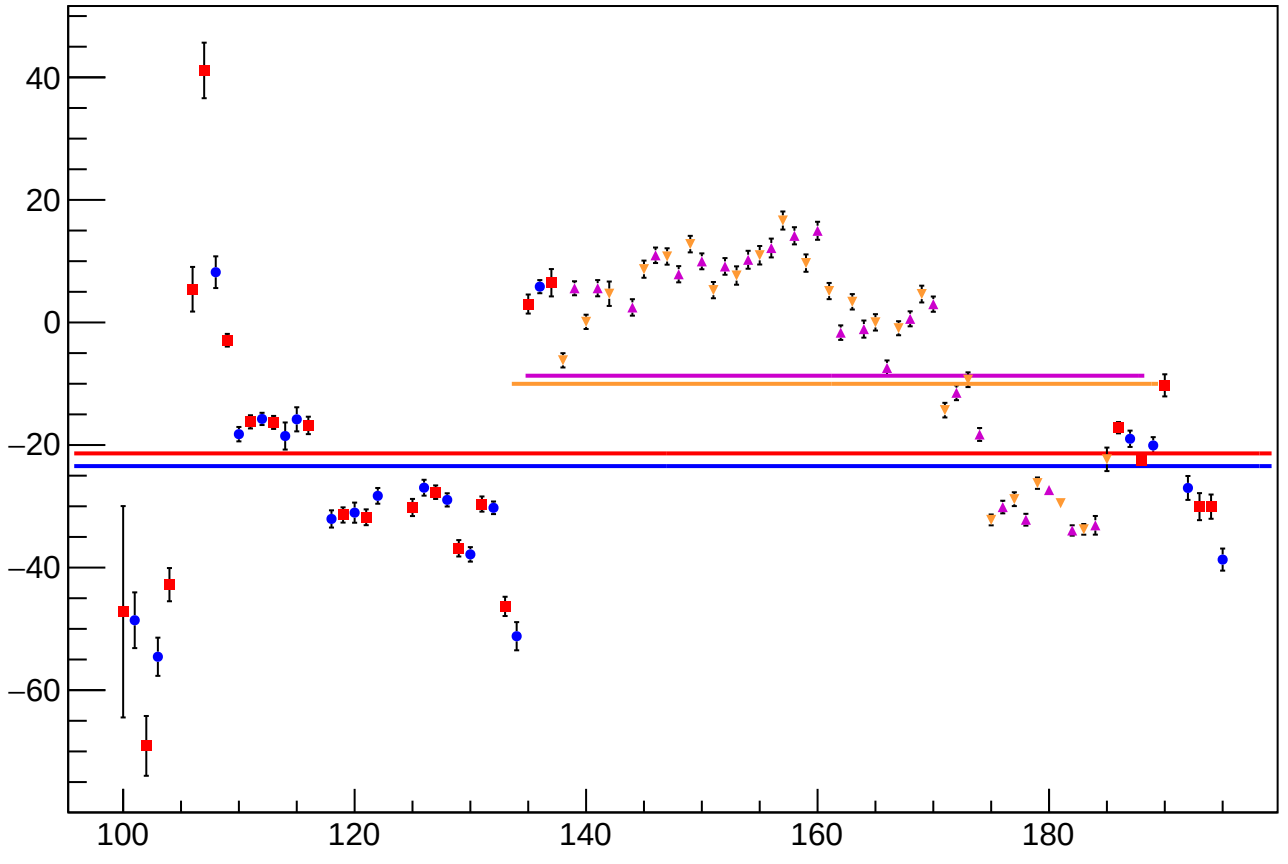
Right Out: 12.665+/-0.042 χ^2/NDF: 319906.4/22

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.324+/-0.014 χ^2/NDF: 725880.5/43

All: -1.680+/-0.010 χ^2/NDF: 1522752.5/89

- sign -2.040+/-0.015 χ^2/NDF: 795655.1/45



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: -21.367+/-0.290 χ^2/NDF: 1909.9/22

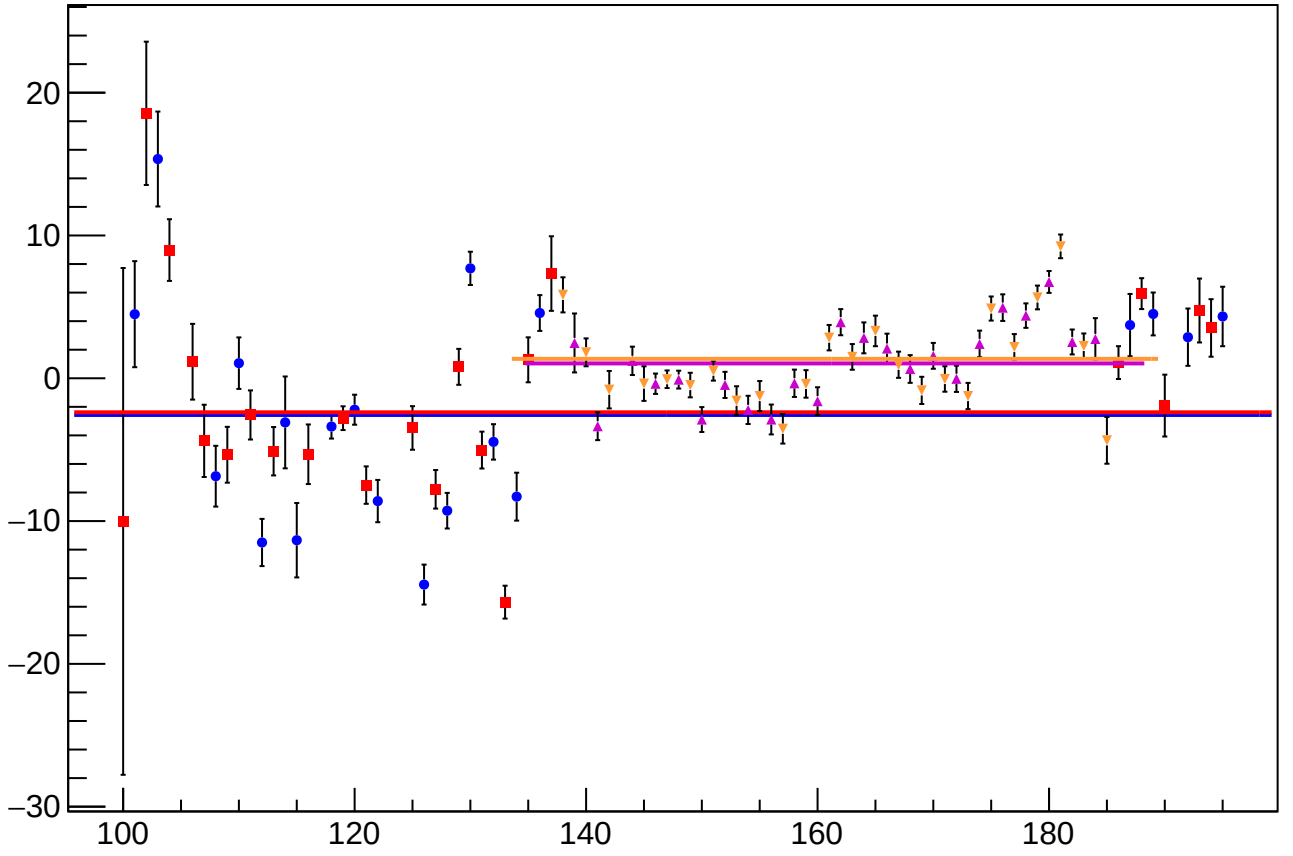
Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.975+/-0.194 χ^2/NDF: 7754.0/43

All: -14.495+/-0.135 χ^2/NDF: 15804.0/89

- sign -14.043+/-0.188 χ^2/NDF: 8038.2/45

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



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: -2.383+/-0.324 χ^2/NDF: 336.8/22

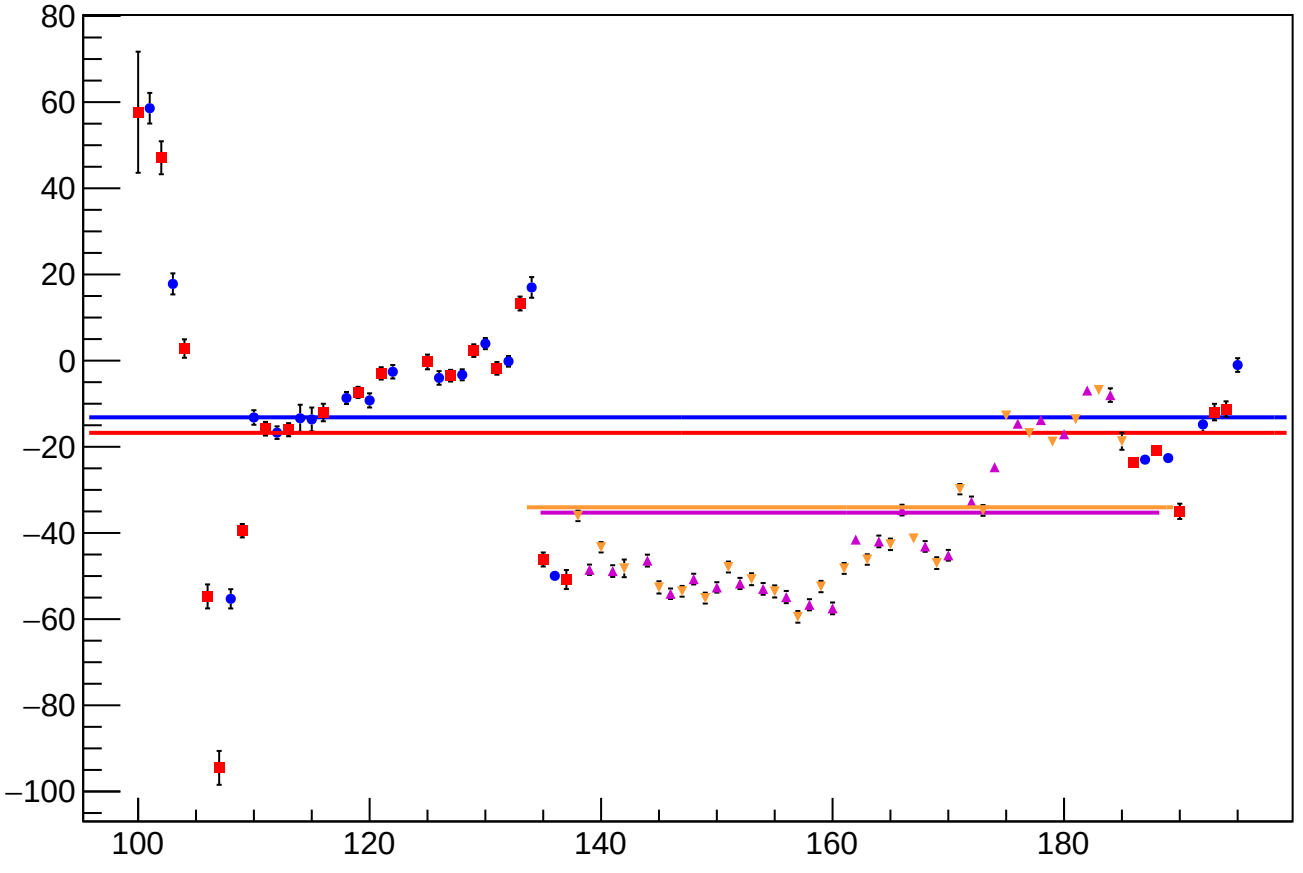
Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.432+/-0.165 χ^2/NDF: 716.1/43

All: 0.290+/-0.117 χ^2/NDF: 1333.2/89

- sign 0.147+/-0.165 χ^2/NDF: 615.6/45

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: -16.759+/-0.299 χ^2/NDF: 2962.8/22

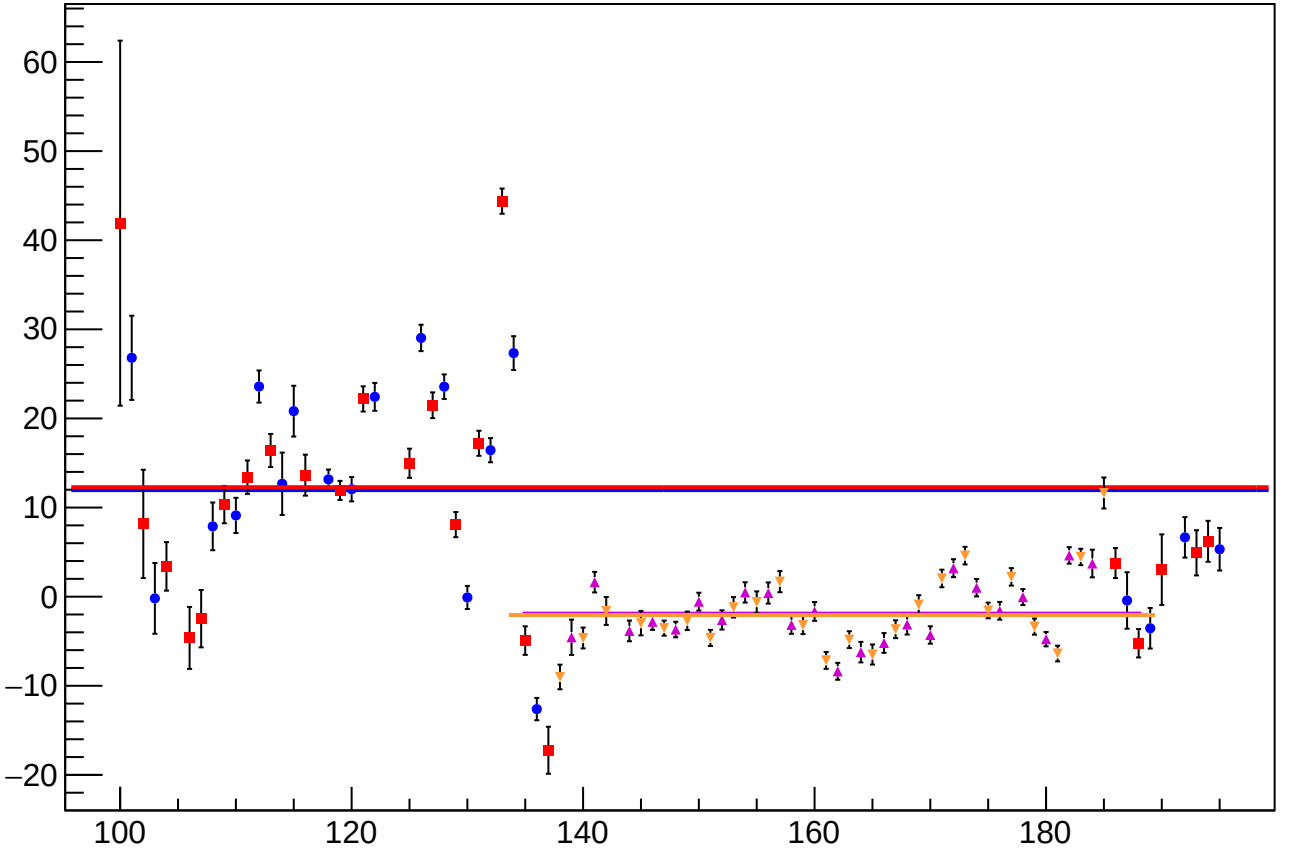
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -27.139+/-0.198 χ^2/NDF: 10300.2/43

All: -27.500+/-0.137 χ^2/NDF: 20560.3/89

\- sign -27.830+/-0.190 χ^2/NDF: 10253.8/45

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

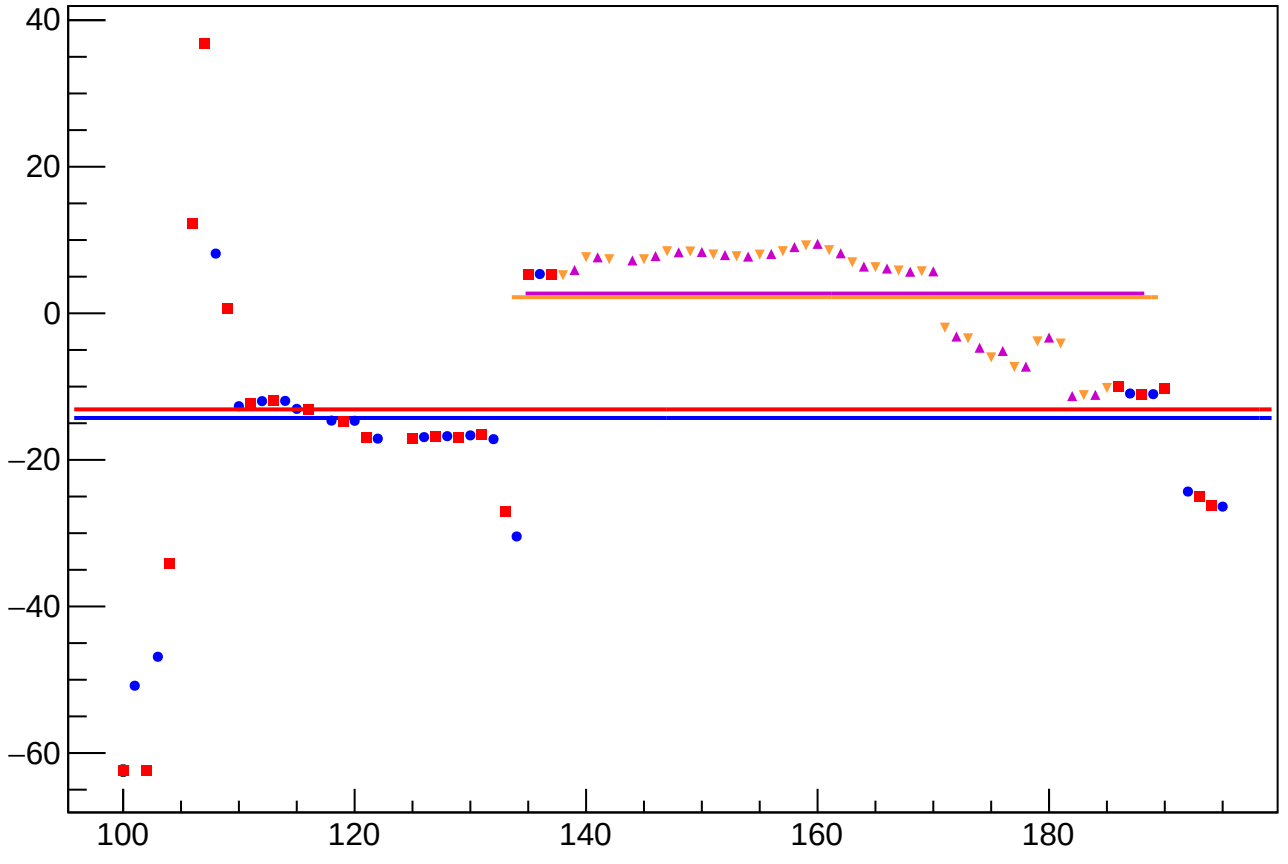
Right Out: 12.283+/-0.385 χ^2/NDF: 1099.2/22

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.105+/-0.187 χ^2/NDF: 2263.7/43

All: 1.301+/-0.133 χ^2/NDF: 4621.0/89

- sign 1.500+/-0.188 χ^2/NDF: 2355.0/45



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: -13.107+/-0.022 χ^2/NDF: 471847.1/22

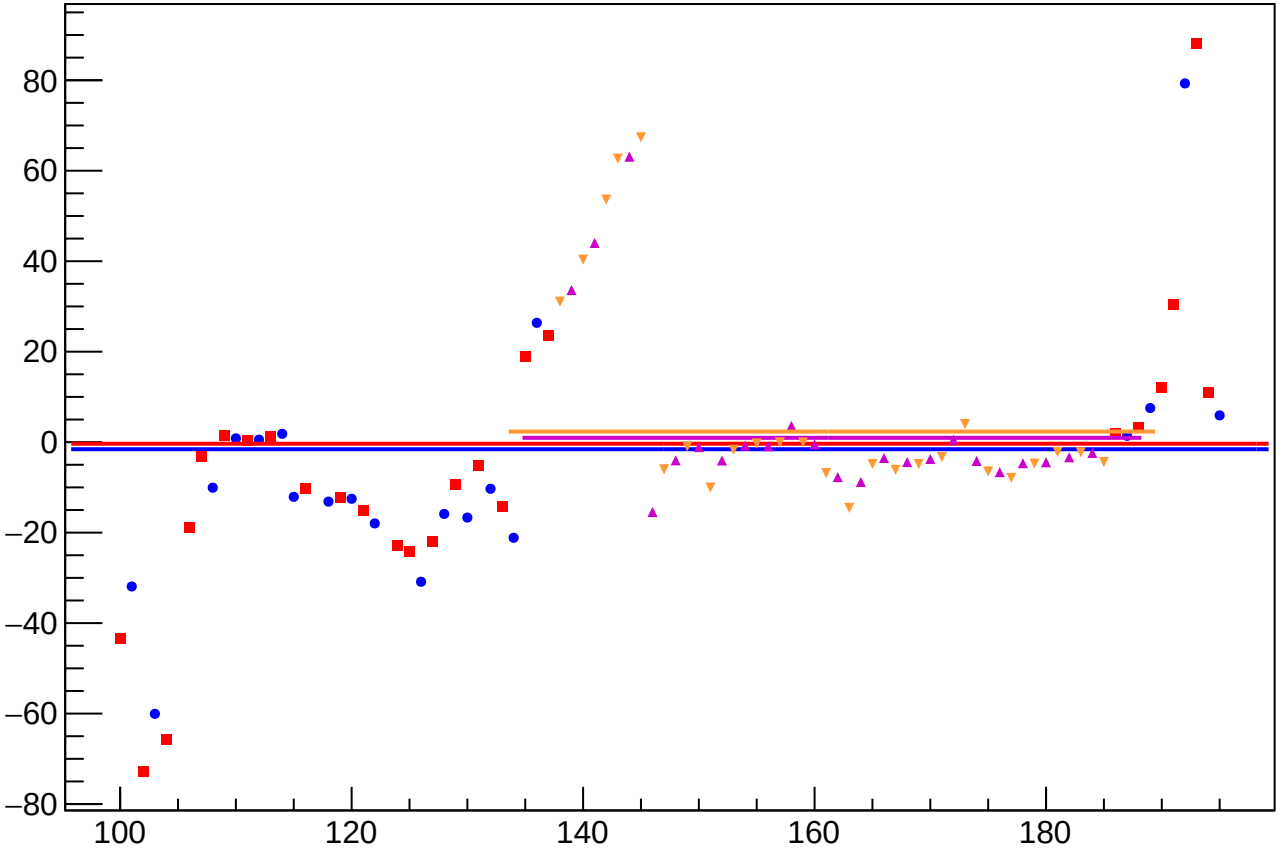
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -0.302+/-0.009 χ^2/NDF: 1386631.1/43

All: -0.032+/-0.006 χ^2/NDF: 2784036.7/89

\- sign 0.241+/-0.009 χ^2/NDF: 1395488.2/45

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: -0.347+/-0.040 χ^2/NDF: 114521.7/24

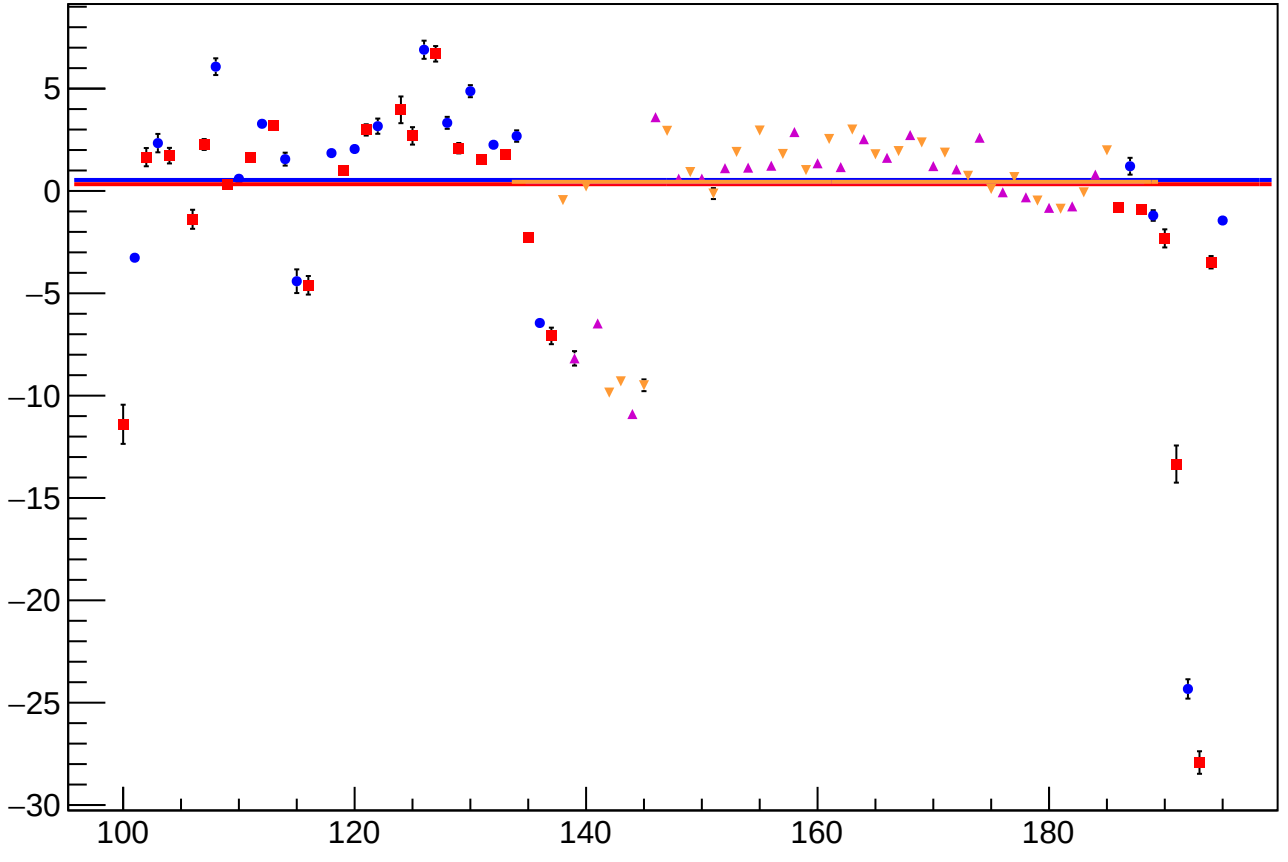
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.784+/-0.031 χ^2/NDF: 292745.9/44

All: 0.527+/-0.021 χ^2/NDF: 540438.1/92

- sign 0.314+/-0.028 χ^2/NDF: 247568.0/47

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: 0.330+/-0.051 χ^2/NDF: 4912.7/24

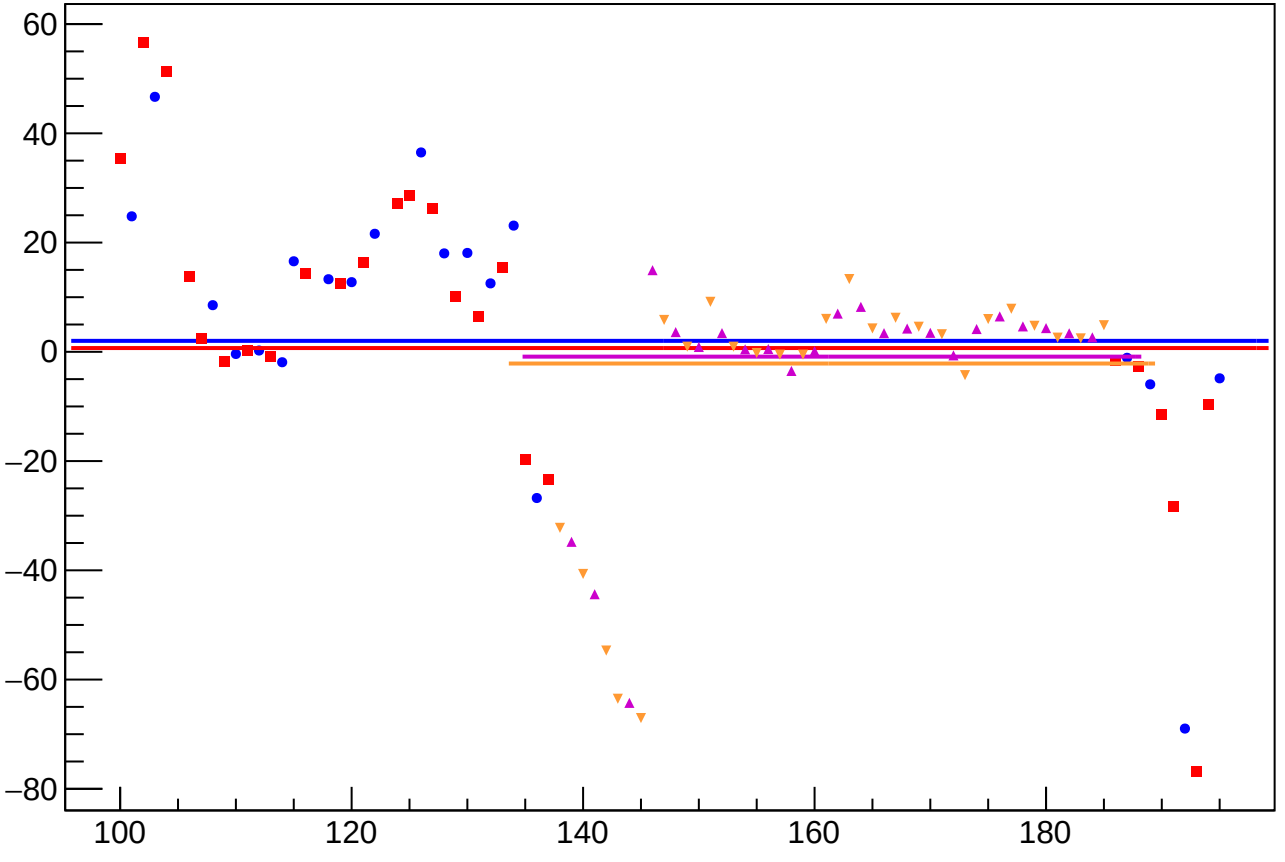
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.470+/-0.028 χ^2/NDF: 12662.8/44

All: 0.433+/-0.019 χ^2/NDF: 24683.7/92

- sign 0.401+/-0.027 χ^2/NDF: 12017.7/47

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: 0.690+/-0.045 χ^2/NDF: 112806.6/24

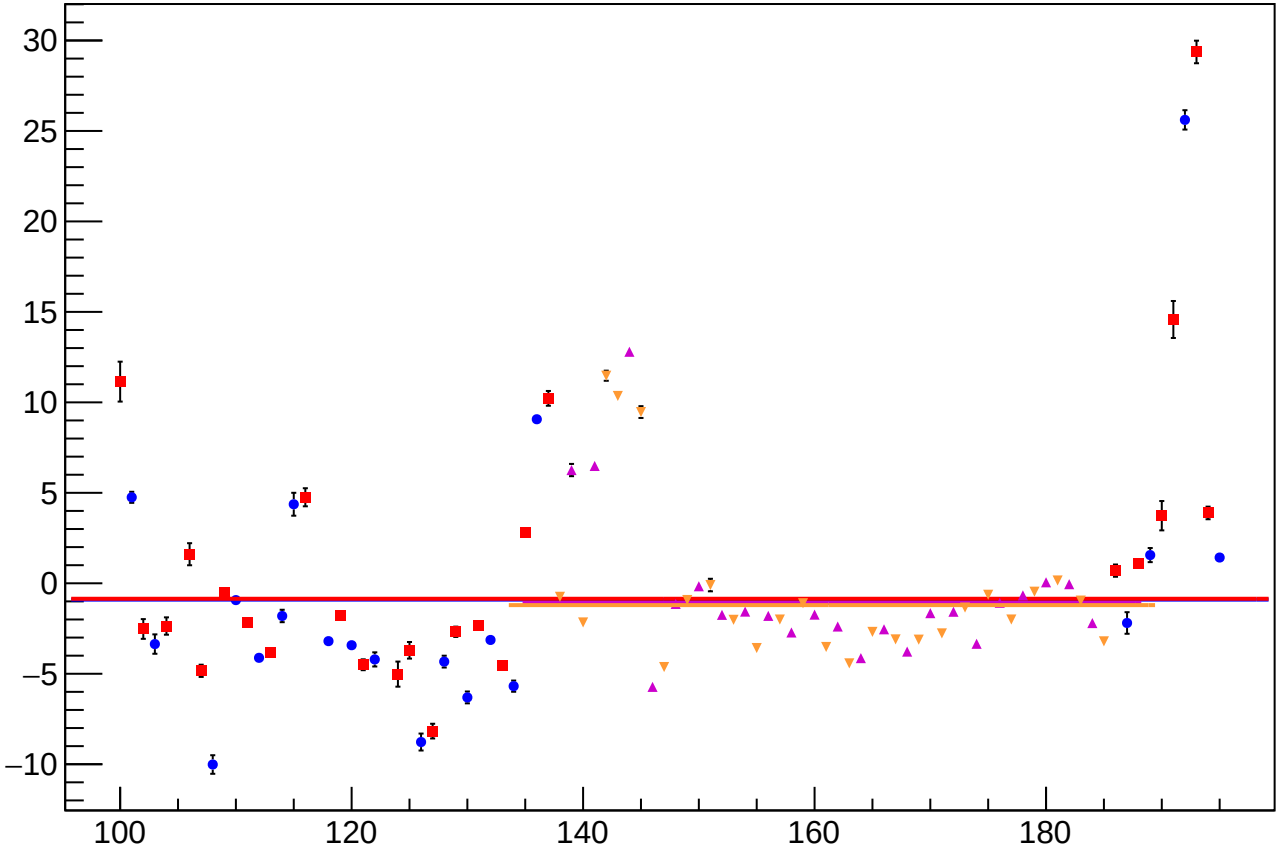
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.674+/-0.032 χ^2/NDF: 285862.2/44

All: -0.416+/-0.022 χ^2/NDF: 528676.3/92

- sign -0.199+/-0.030 χ^2/NDF: 242696.7/47

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



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: -0.855+/-0.060 χ^2/NDF: 5492.8/24

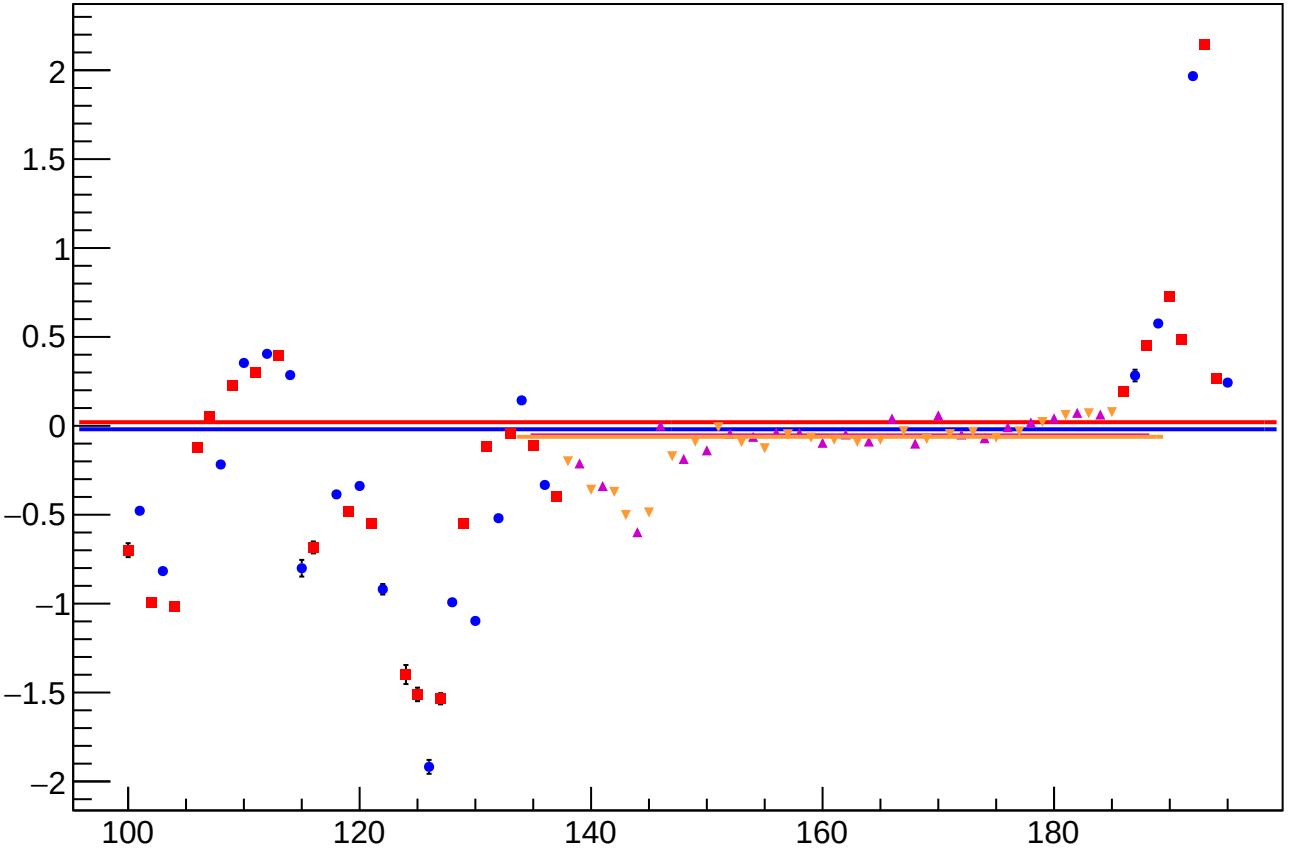
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.133+/-0.032 χ^2/NDF: 14253.3/44

All: -1.081+/-0.022 χ^2/NDF: 26792.5/92

- sign -1.033+/-0.030 χ^2/NDF: 12533.9/47

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: 0.020+/-0.003 χ^2/NDF: 32770.0/24

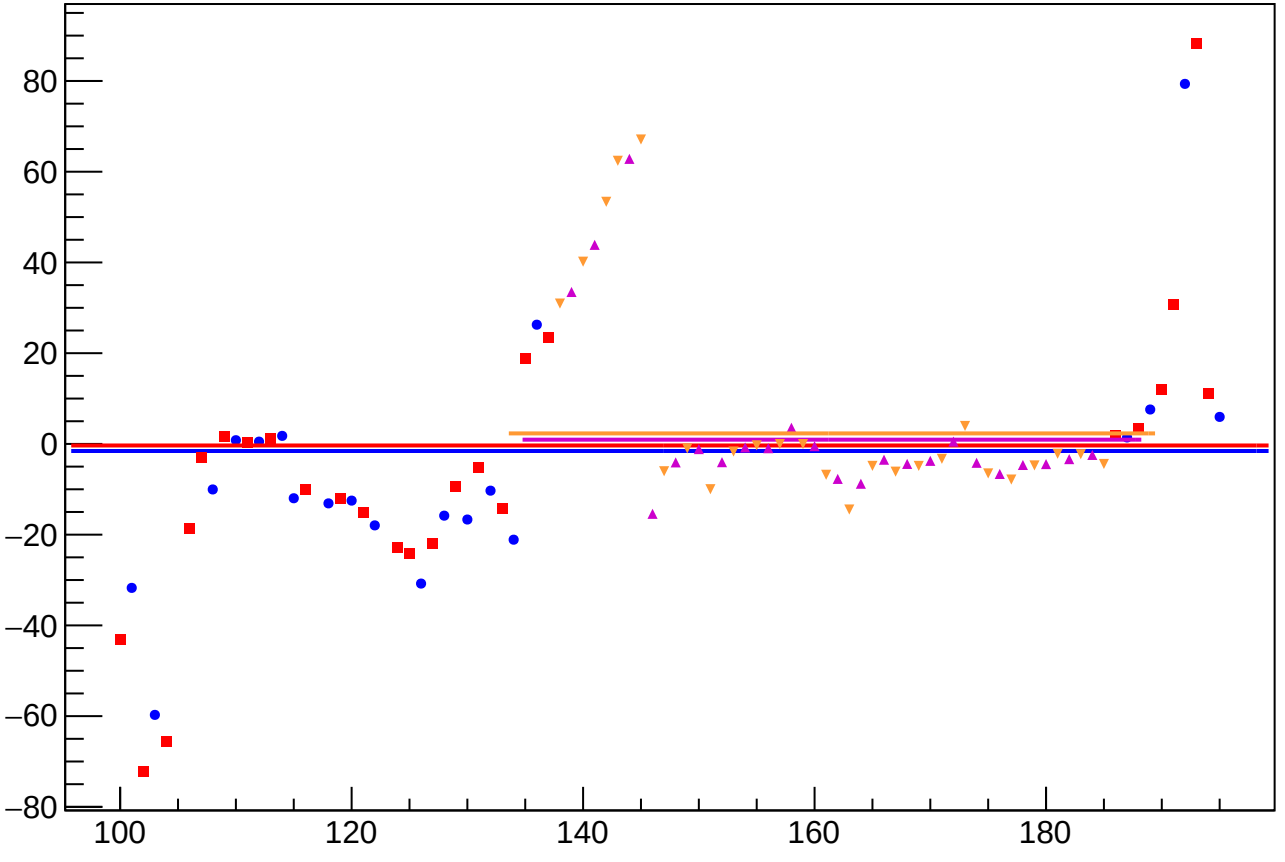
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.054+/-0.001 χ^2/NDF: 38035.1/44

All: -0.047+/-0.001 χ^2/NDF: 76301.6/92

- sign -0.041+/-0.001 χ^2/NDF: 38223.5/47

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: -0.343+/-0.040 χ^2/NDF: 114890.0/24

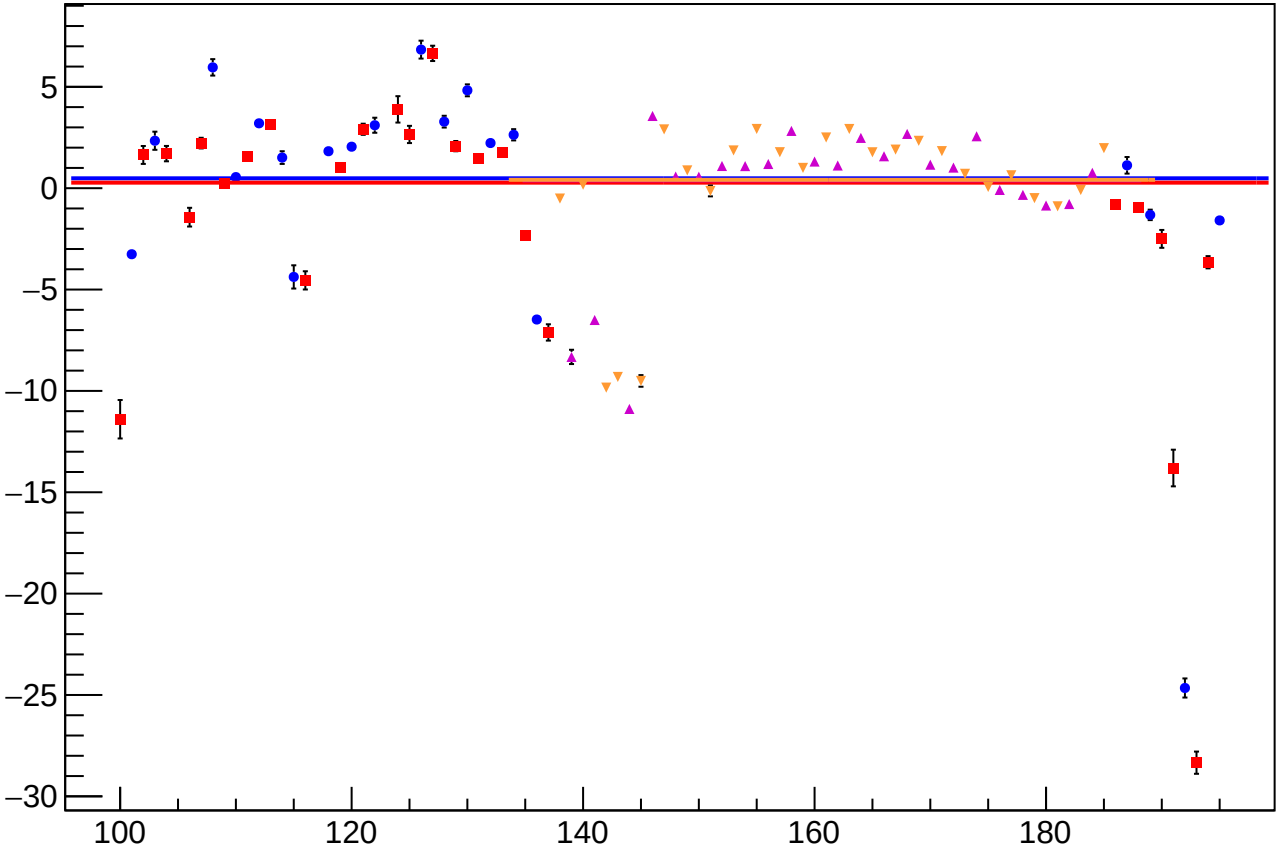
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.767+/-0.031 χ^2/NDF: 292829.3/44

All: 0.512+/-0.021 χ^2/NDF: 540757.5/92

- sign 0.302+/-0.028 χ^2/NDF: 247805.8/47

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: 0.274+/-0.051 χ^2/NDF: 5053.8/24

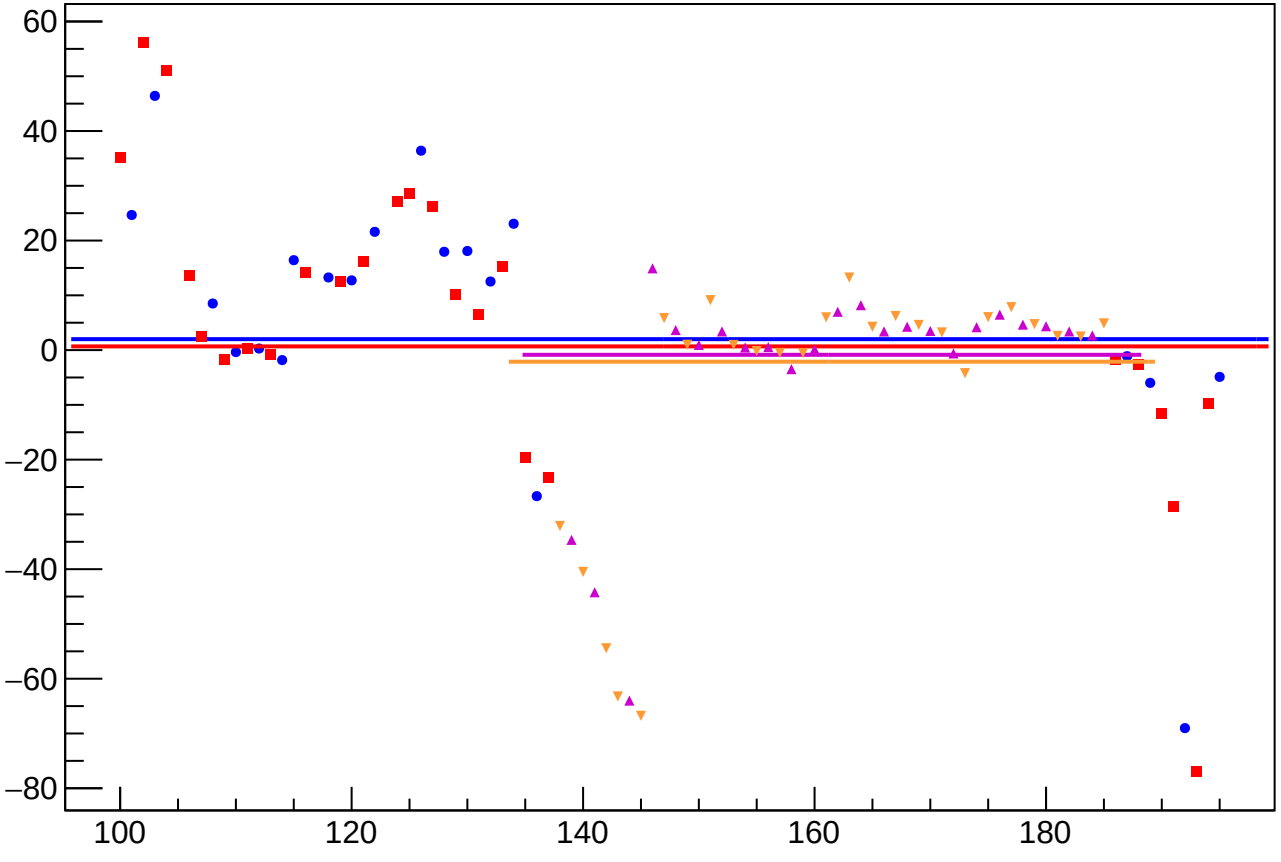
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.433+/-0.028 χ^2/NDF: 12769.0/44

All: 0.393+/-0.019 χ^2/NDF: 24944.5/92

- sign 0.357+/-0.027 χ^2/NDF: 12171.7/47

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: 0.678+/-0.045 χ^2/NDF: 113172.4/24

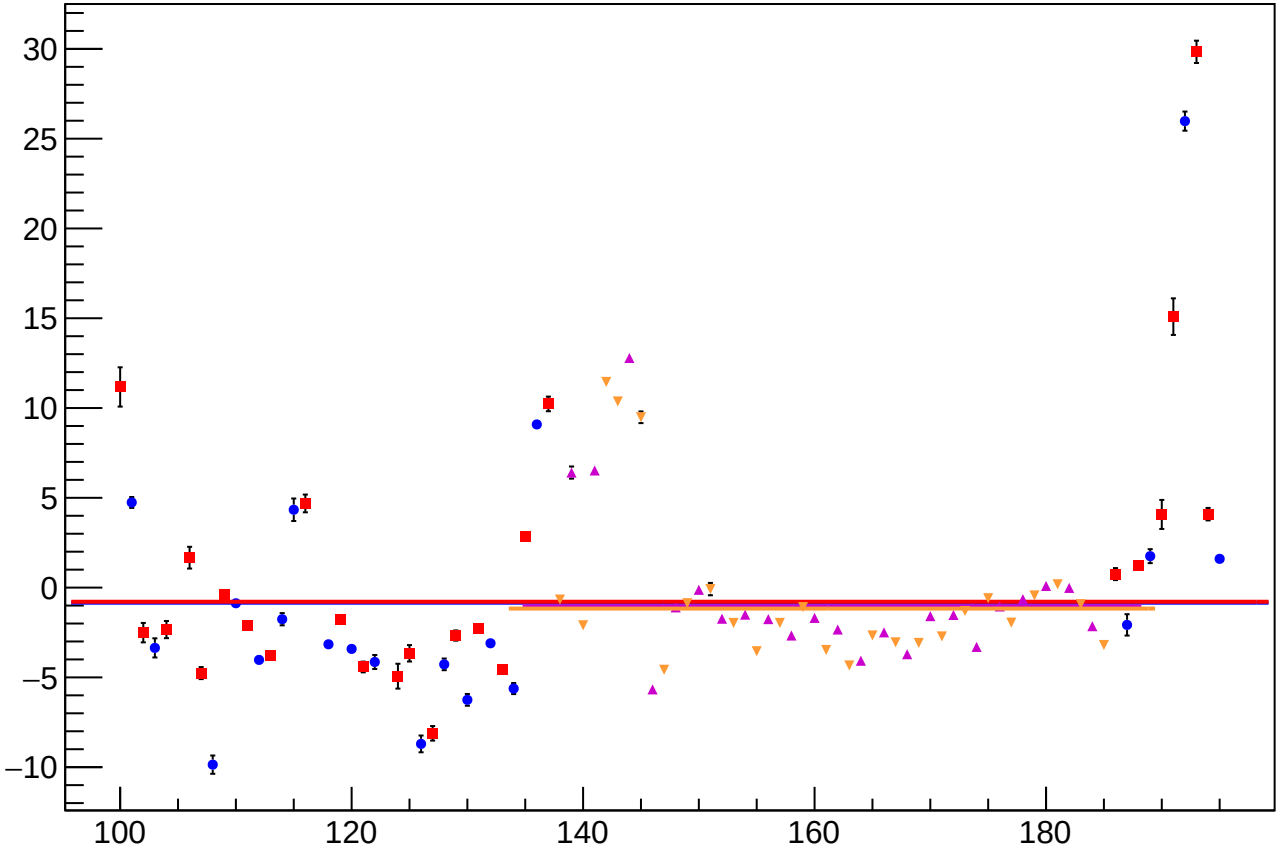
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.659+/-0.032 χ^2/NDF: 285937.9/44

All: -0.402+/-0.022 χ^2/NDF: 528980.4/92

- sign -0.188+/-0.029 χ^2/NDF: 242926.4/47

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

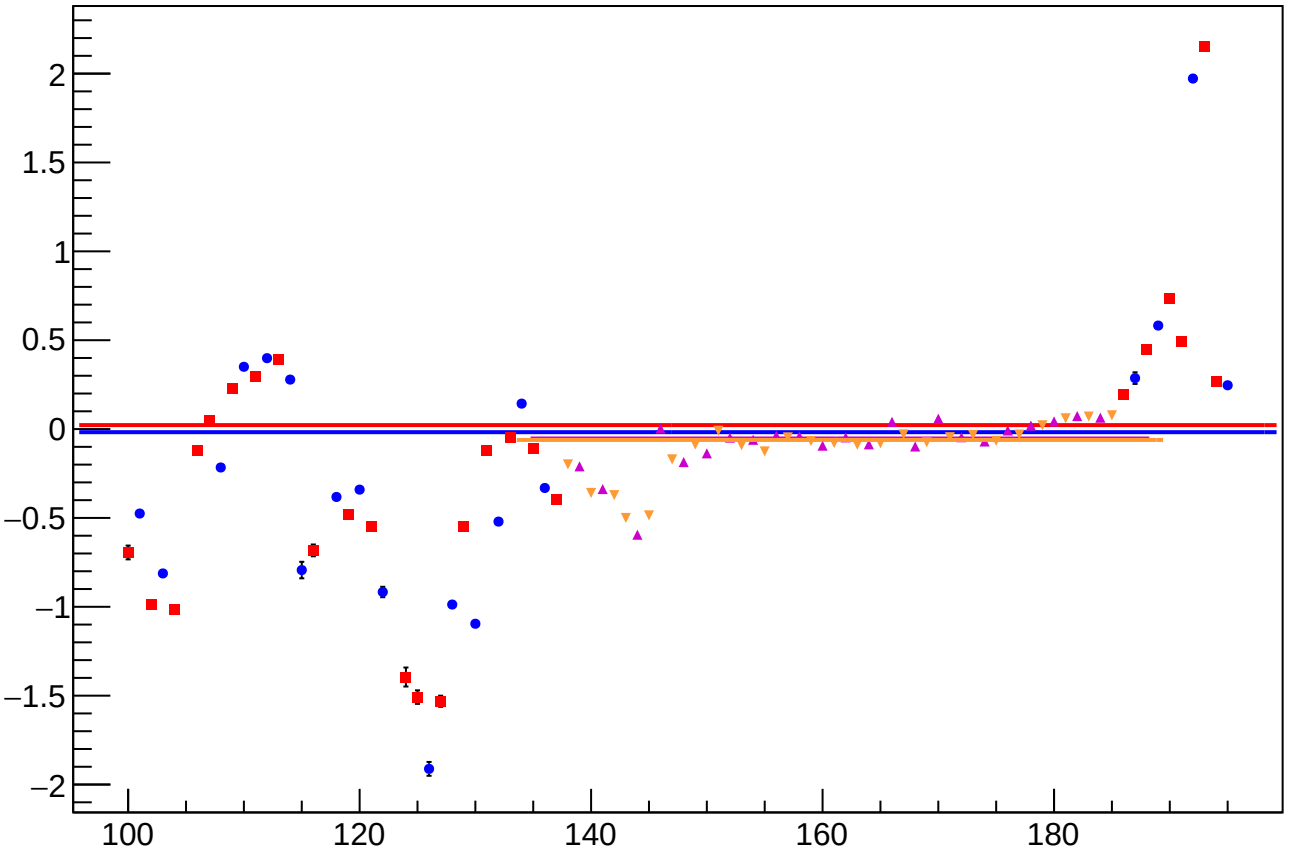
Right Out: -0.788+/-0.059 χ^2/NDF: 5630.7/24

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.089+/-0.032 χ^2/NDF: 14350.7/44

All: -1.033+/-0.022 χ^2/NDF: 27042.6/92

- sign -0.982+/-0.030 χ^2/NDF: 12685.8/47



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: 0.022+/-0.003 χ^2/NDF: 33042.6/24

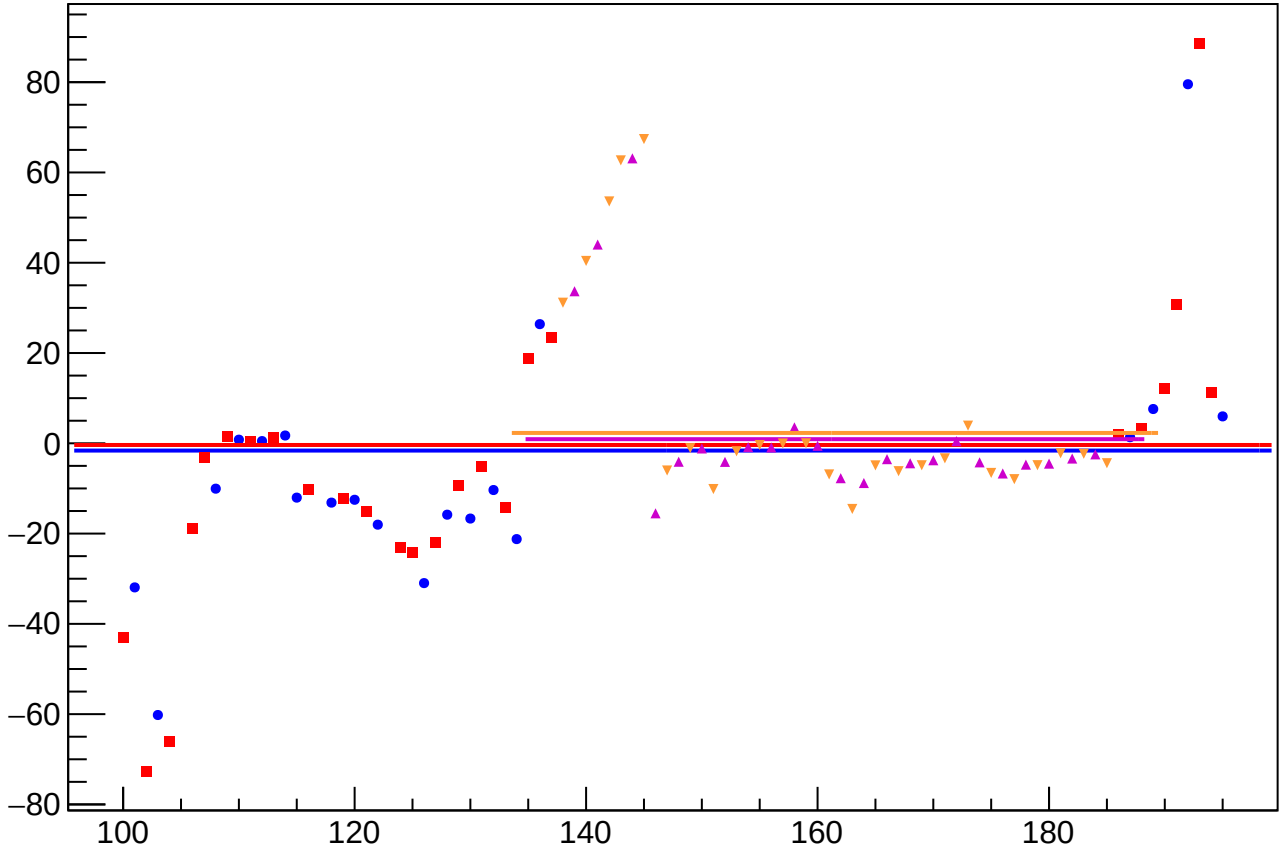
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.053+/-0.001 χ^2/NDF: 38307.9/44

All: -0.046+/-0.001 χ^2/NDF: 76842.3/92

- sign -0.040+/-0.001 χ^2/NDF: 38489.1/47

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: -0.372+/-0.040 χ^2/NDF: 114899.4/24

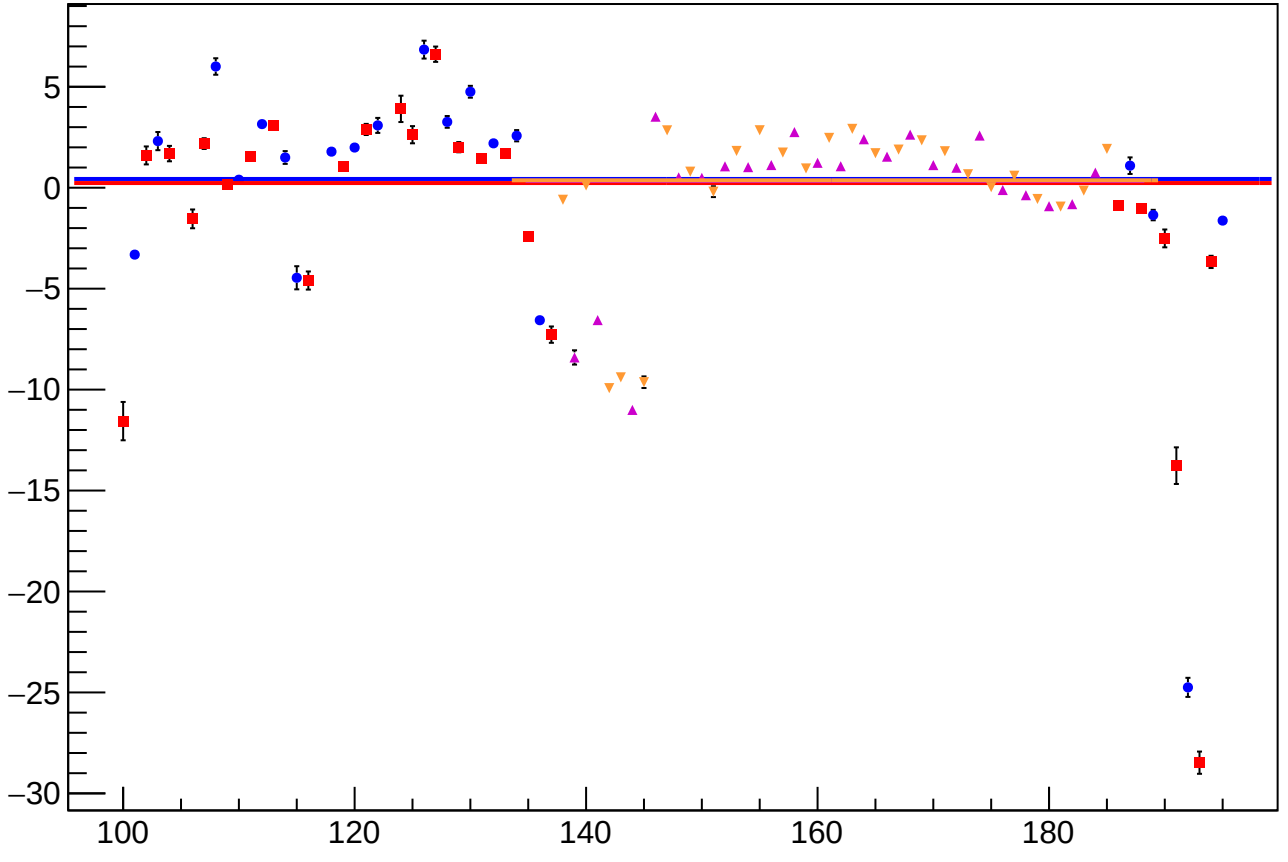
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.738+/-0.031 χ^2/NDF: 293273.9/44

All: 0.485+/-0.021 χ^2/NDF: 541376.7/92

- sign 0.277+/-0.028 χ^2/NDF: 247983.9/47

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: 0.232+/-0.051 χ^2/NDF: 5054.7/24

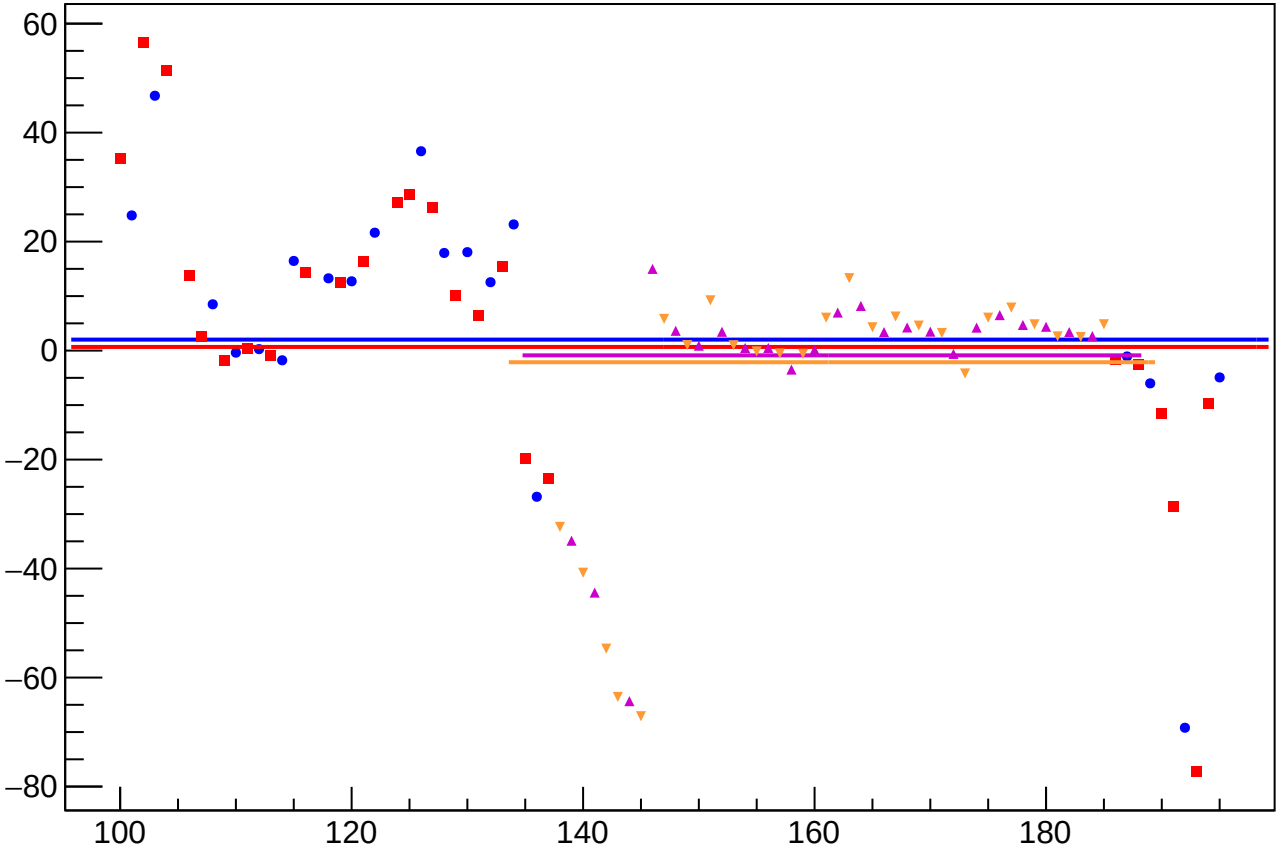
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

\+ sign 0.385+/-0.028 χ^2/NDF: 12783.1/44

All: 0.344+/-0.019 χ^2/NDF: 24939.1/92

\- sign 0.308+/-0.027 χ^2/NDF: 12152.1/47

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: 0.672+/-0.045 χ^2/NDF: 113209.2/24

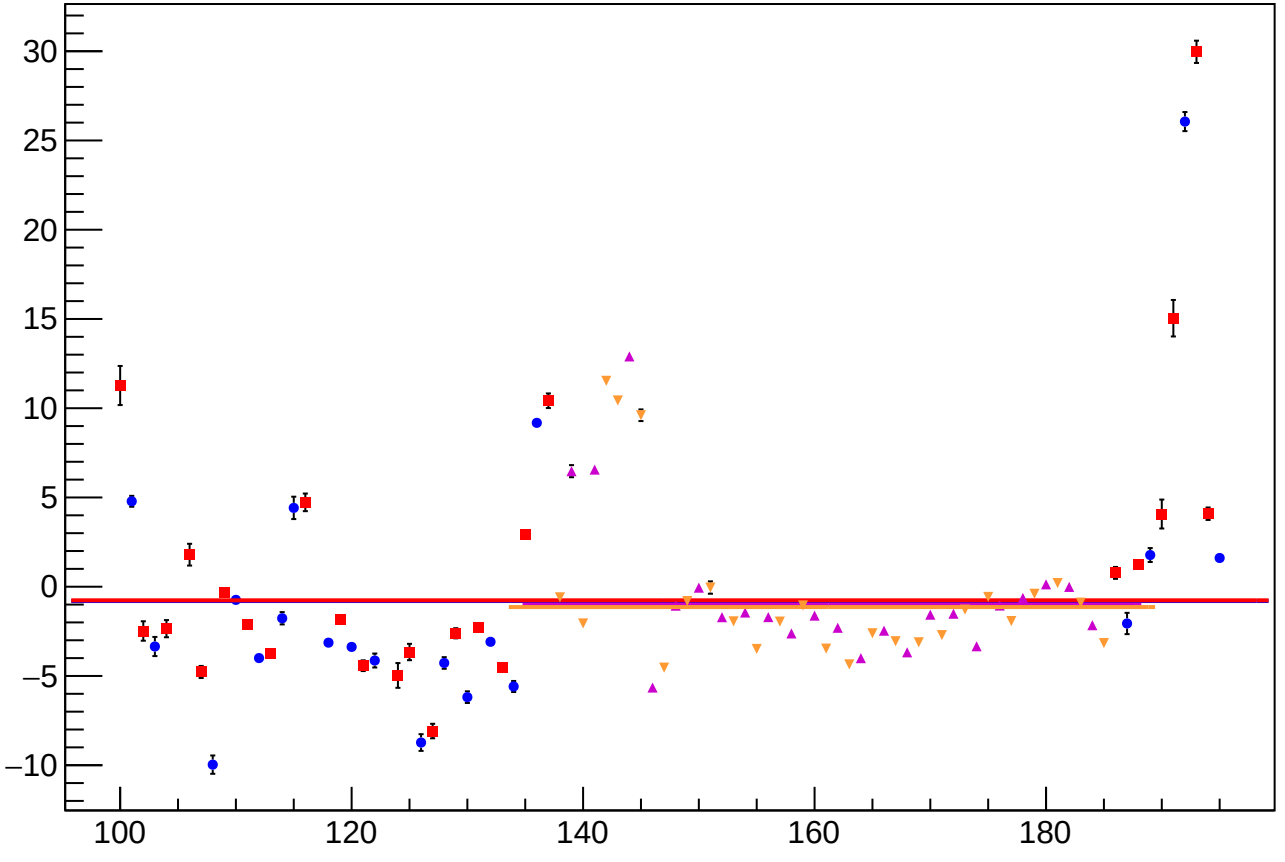
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.664+/-0.032 χ^2/NDF: 286393.1/44

All: -0.409+/-0.022 χ^2/NDF: 529649.7/92

- sign -0.197+/-0.030 χ^2/NDF: 243143.5/47

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

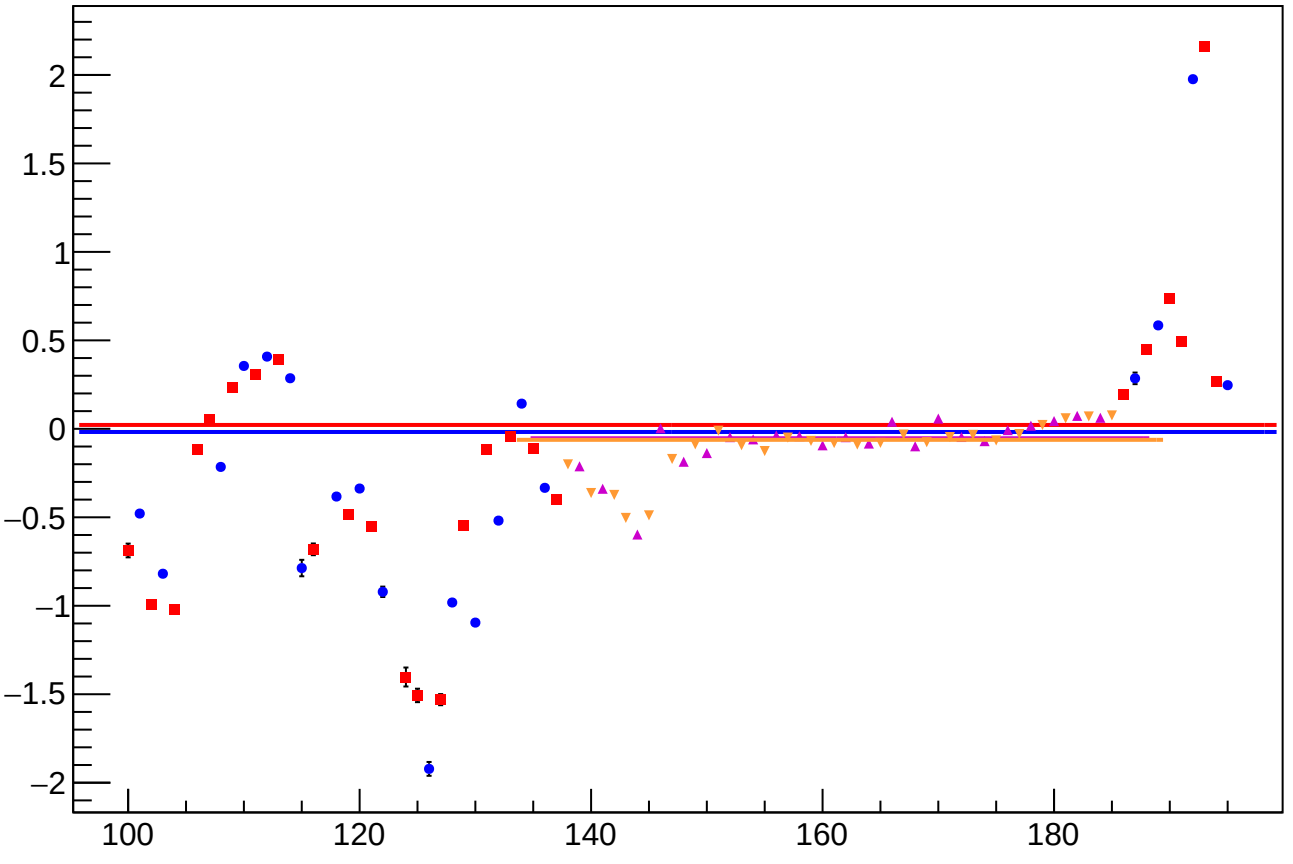
Right Out: -0.762+/-0.060 χ^2/NDF: 5642.2/24

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.059+/-0.032 χ^2/NDF: 14371.5/44

All: -1.001+/-0.022 χ^2/NDF: 27060.4/92

- sign -0.949+/-0.030 χ^2/NDF: 12682.6/47



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: 0.022+/-0.003 χ^2/NDF: 33001.9/24

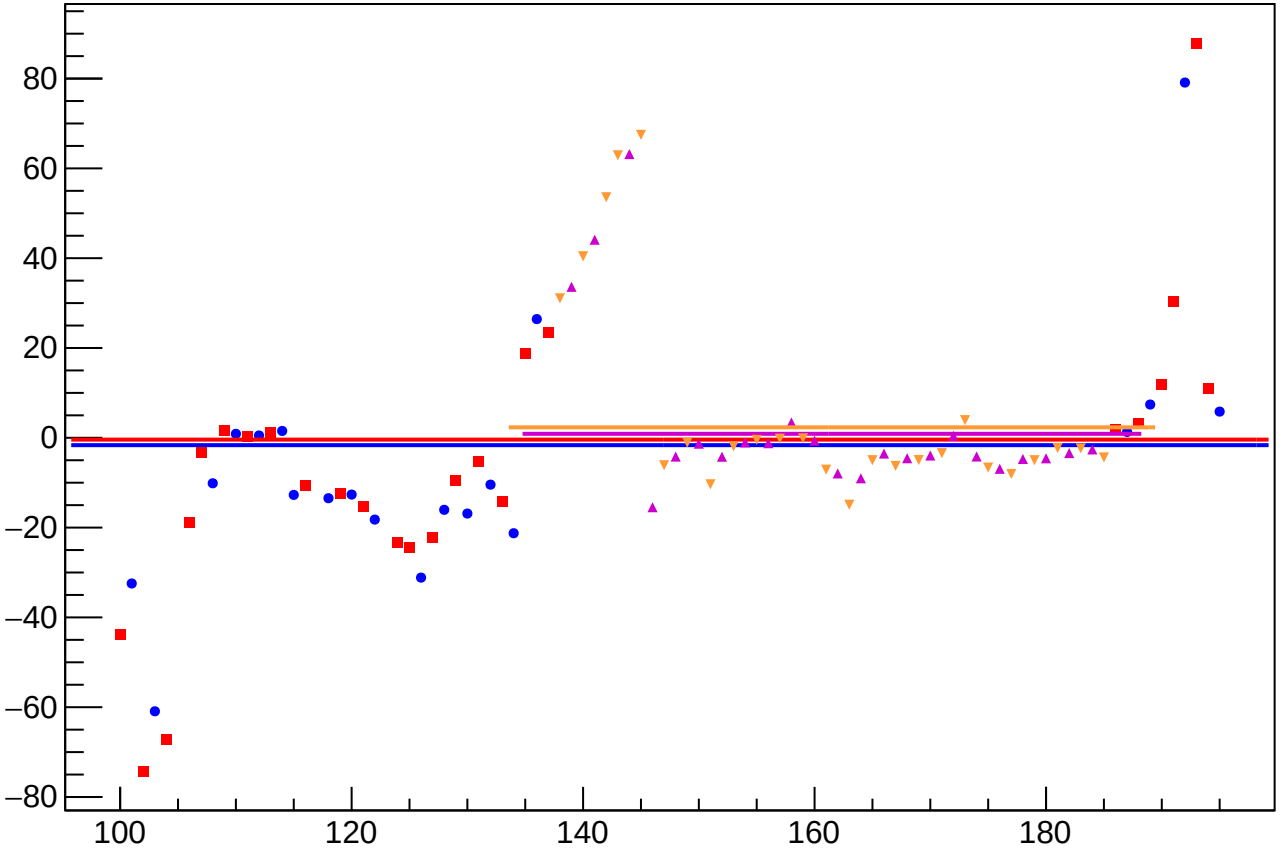
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.054+/-0.001 χ^2/NDF: 38309.1/44

All: -0.047+/-0.001 χ^2/NDF: 76788.5/92

- sign -0.040+/-0.001 χ^2/NDF: 38430.5/47

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: -0.407+/-0.041 χ^2/NDF: 113386.3/24

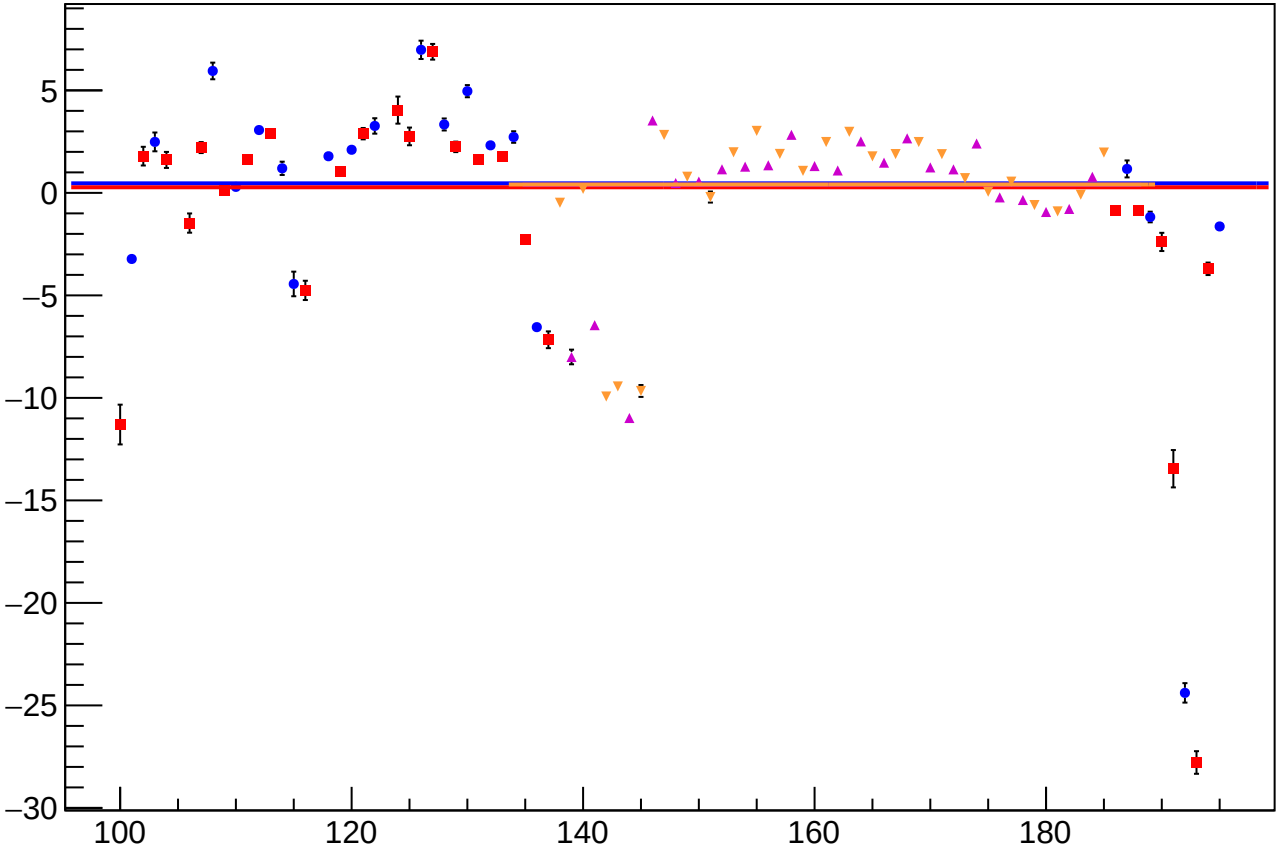
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.739+/-0.032 χ^2/NDF: 289085.6/44

All: 0.469+/-0.021 χ^2/NDF: 533520.4/92

- sign 0.246+/-0.029 χ^2/NDF: 244303.0/47

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: 0.273+/-0.052 χ^2/NDF: 4838.2/24

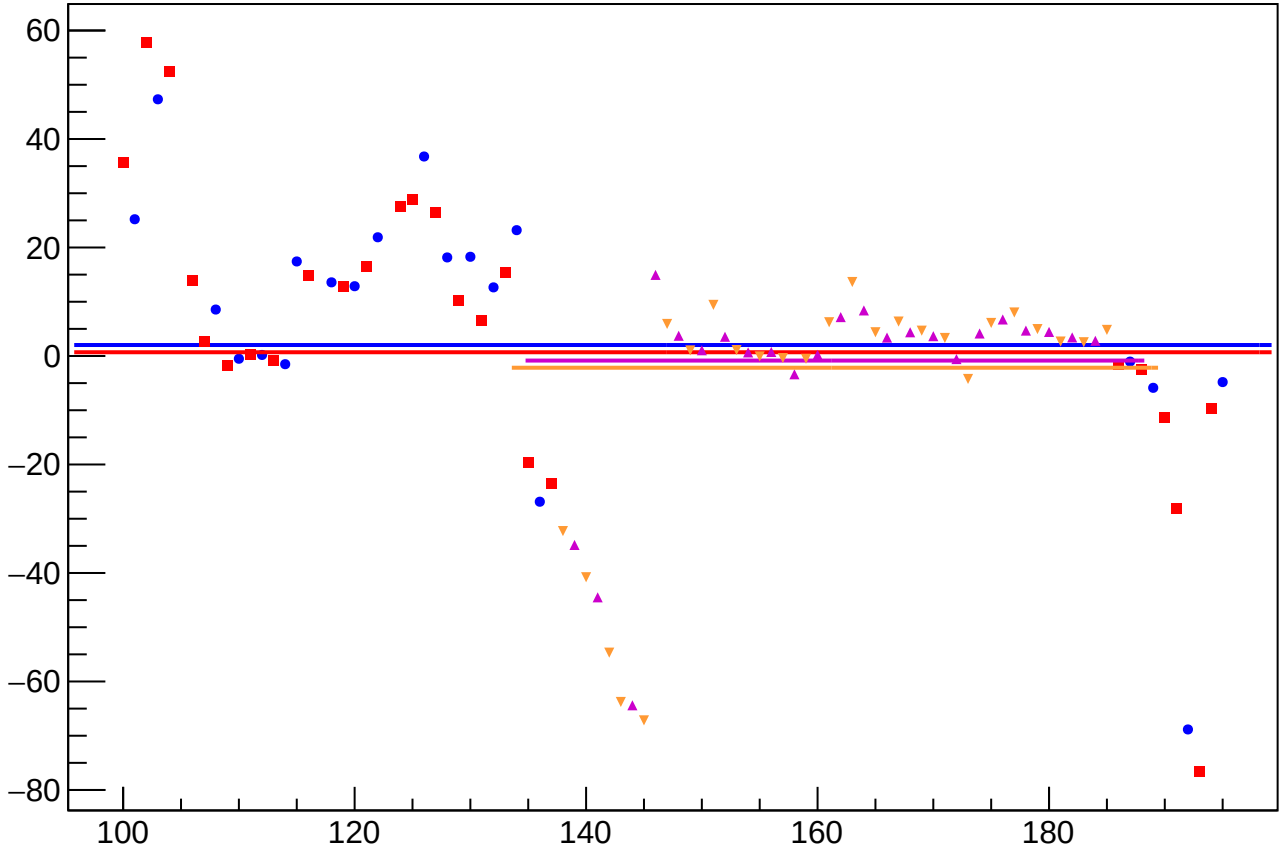
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.424+/-0.029 χ^2/NDF: 12622.8/44

All: 0.391+/-0.020 χ^2/NDF: 24399.6/92

- sign 0.362+/-0.027 χ^2/NDF: 11774.3/47

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: 0.690+/-0.045 χ^2/NDF: 111721.1/24

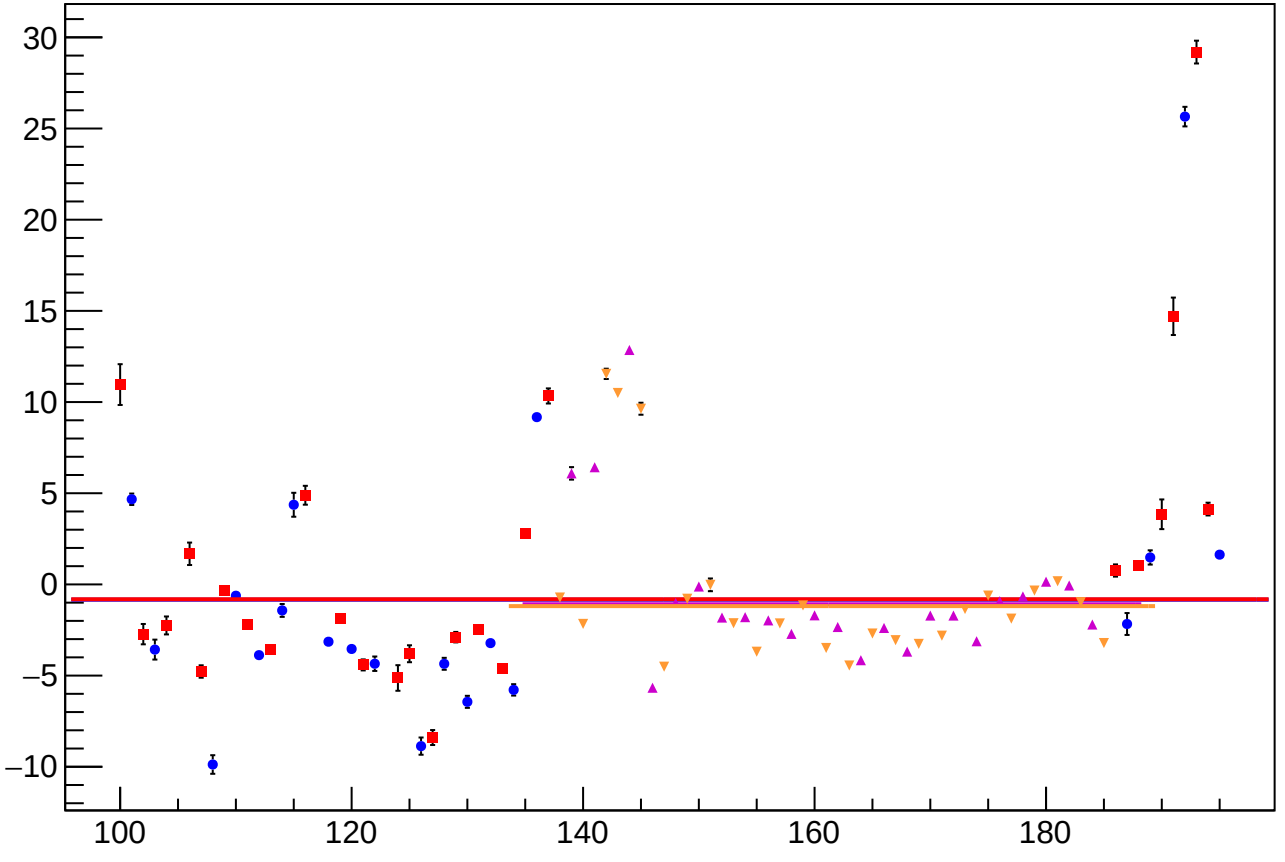
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.670+/-0.033 χ^2/NDF: 282283.2/44

All: -0.396+/-0.022 χ^2/NDF: 521907.0/92

- sign -0.168+/-0.030 χ^2/NDF: 239497.0/47

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: -0.815+/-0.061 χ^2/NDF: 5423.7/24

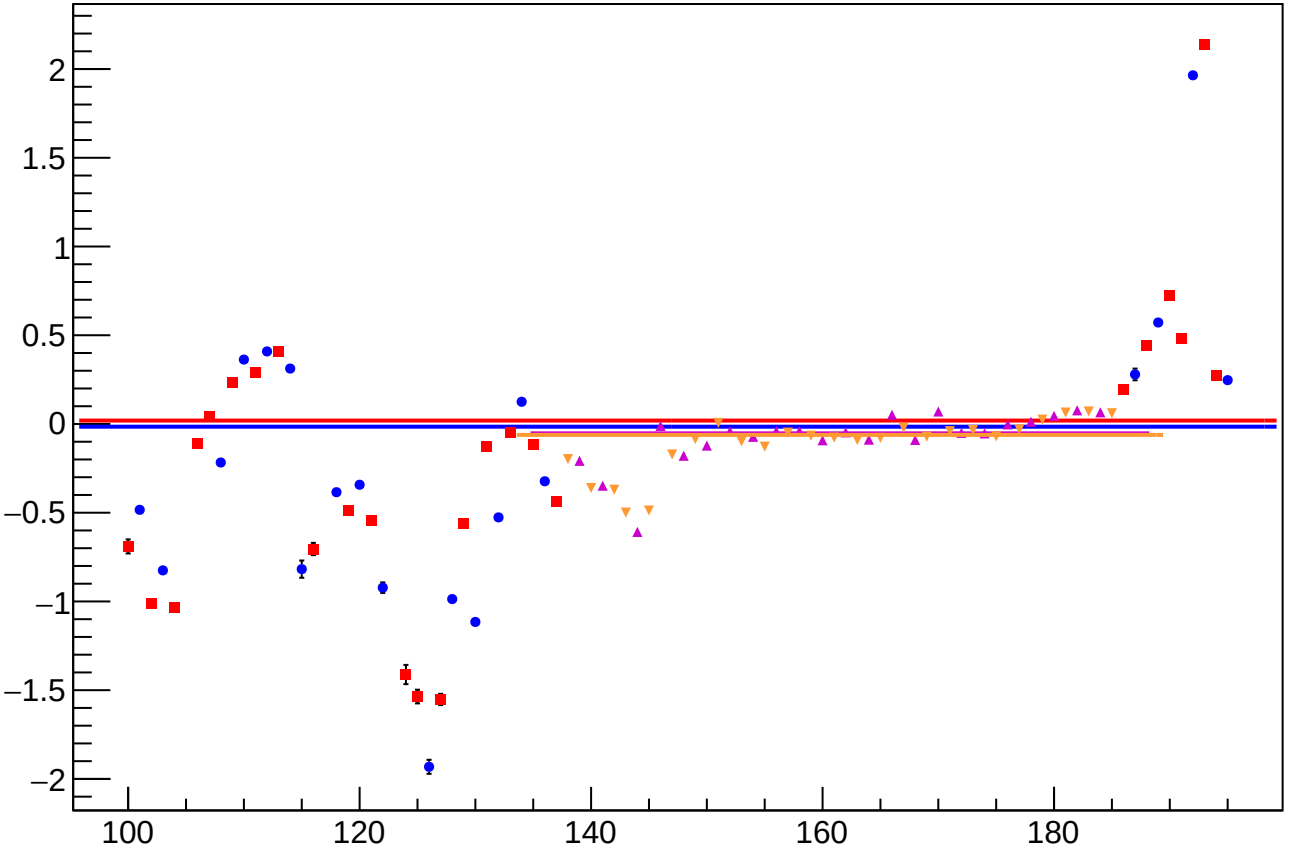
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.106+/-0.032 χ^2/NDF: 14192.0/44

All: -1.060+/-0.022 χ^2/NDF: 26475.5/92

- sign -1.019+/-0.031 χ^2/NDF: 12279.7/47

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: 0.019+/-0.003 χ^2/NDF: 32542.2/24

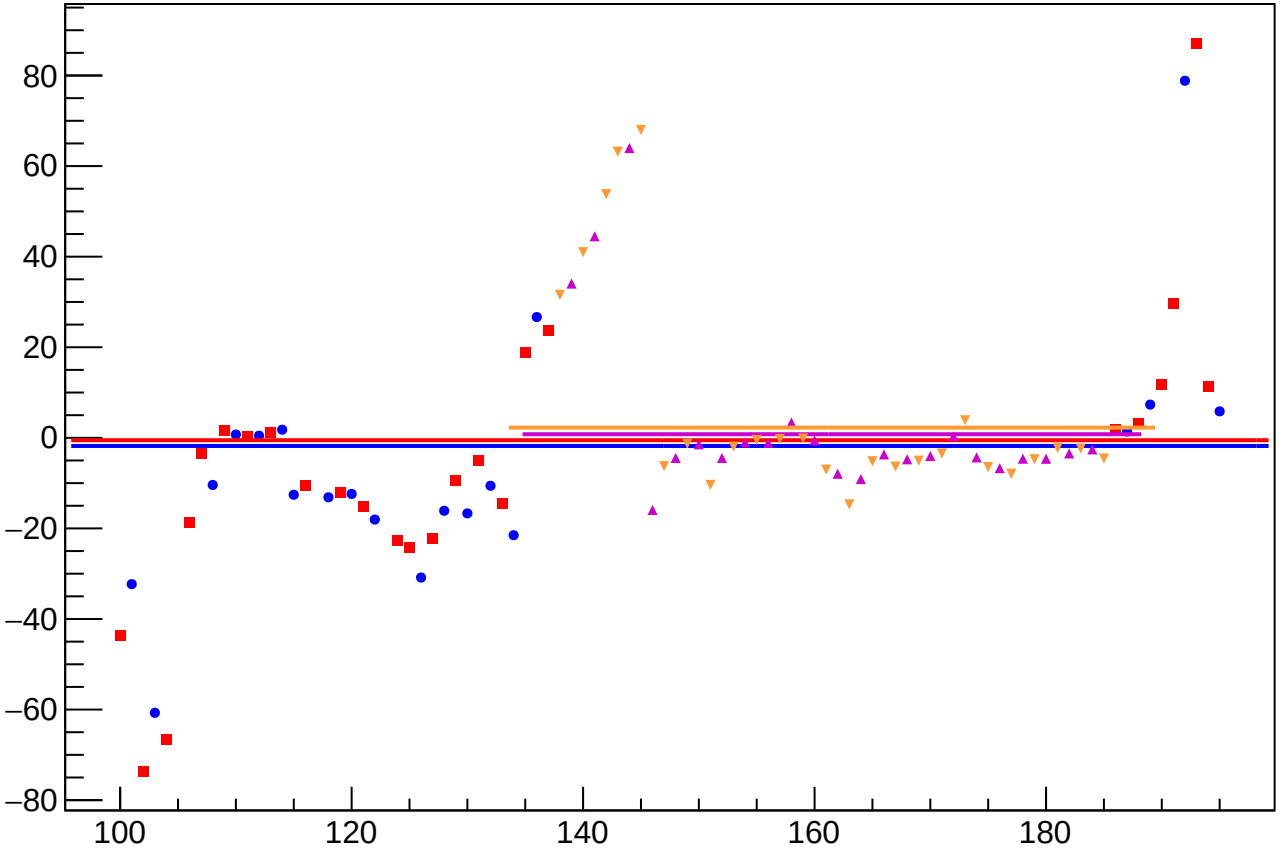
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.053+/-0.001 χ^2/NDF: 37514.4/44

All: -0.046+/-0.001 χ^2/NDF: 75520.9/92

- sign -0.040+/-0.001 χ^2/NDF: 37965.0/47

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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: -0.528+/-0.042 χ^2/NDF: 111222.1/24

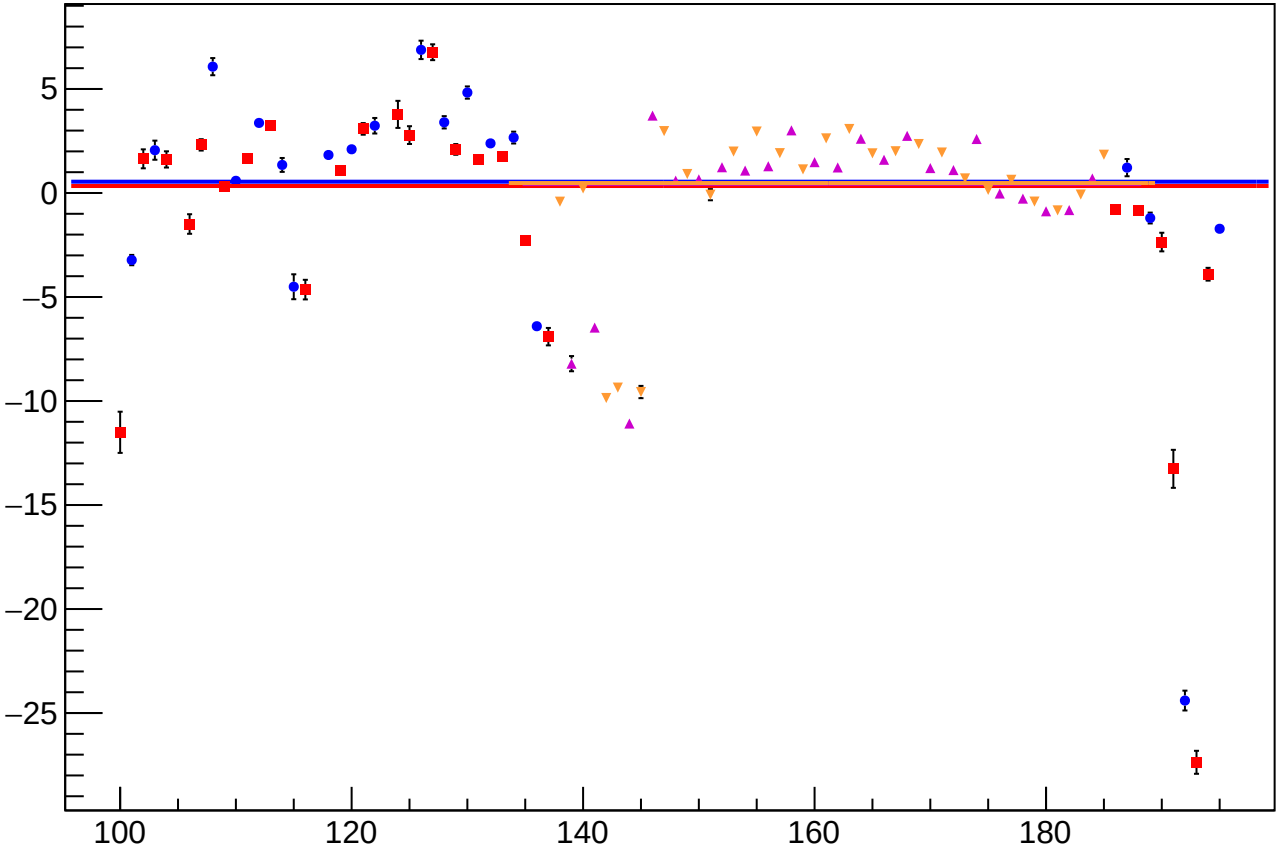
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.644+/-0.032 χ^2/NDF: 284377.7/44

All: 0.374+/-0.022 χ^2/NDF: 525061.5/92

- sign 0.148+/-0.029 χ^2/NDF: 240554.1/47

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: 0.336+/-0.052 χ^2/NDF: 4726.1/24

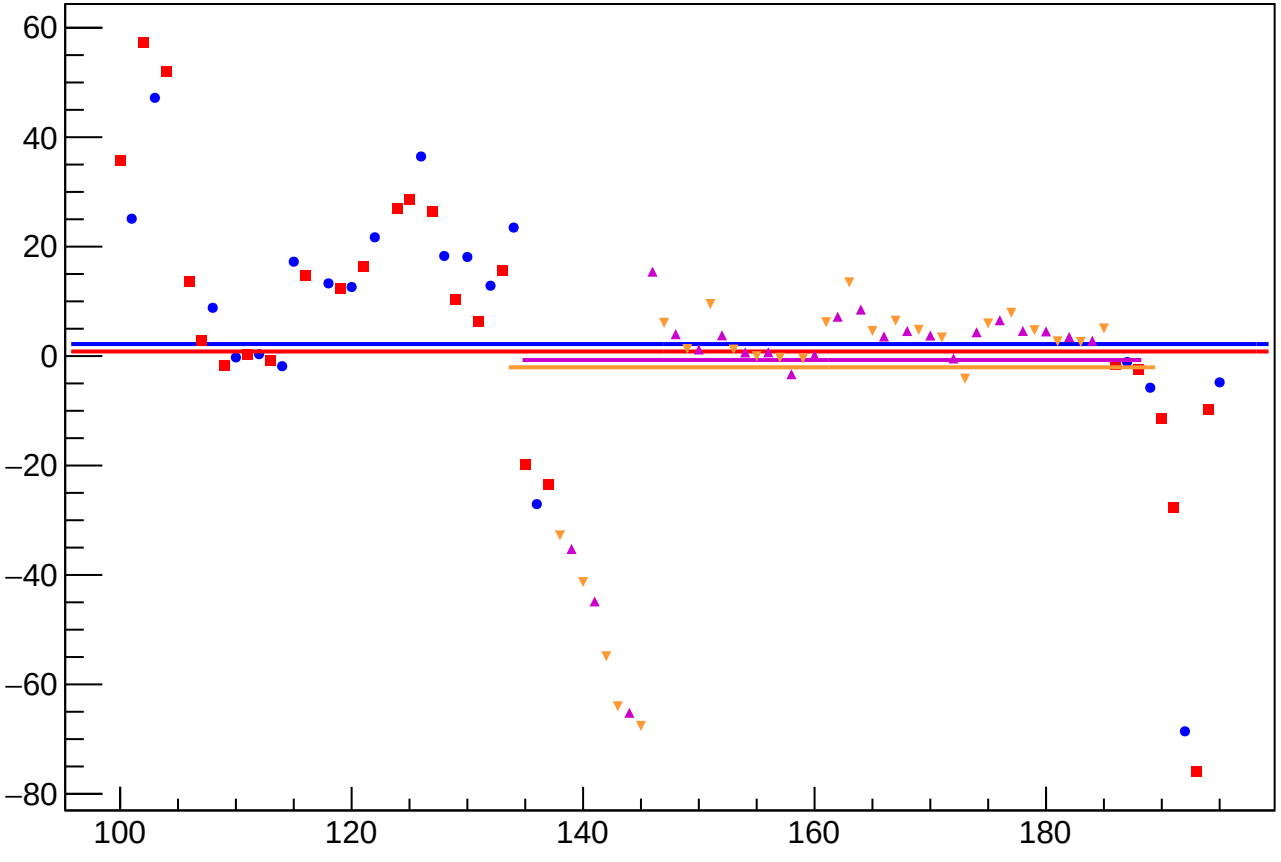
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.495+/-0.029 χ^2/NDF: 12298.5/44

All: 0.451+/-0.020 χ^2/NDF: 23925.6/92

- sign 0.411+/-0.028 χ^2/NDF: 11622.7/47

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: 0.840+/-0.046 χ^2/NDF: 109569.3/24

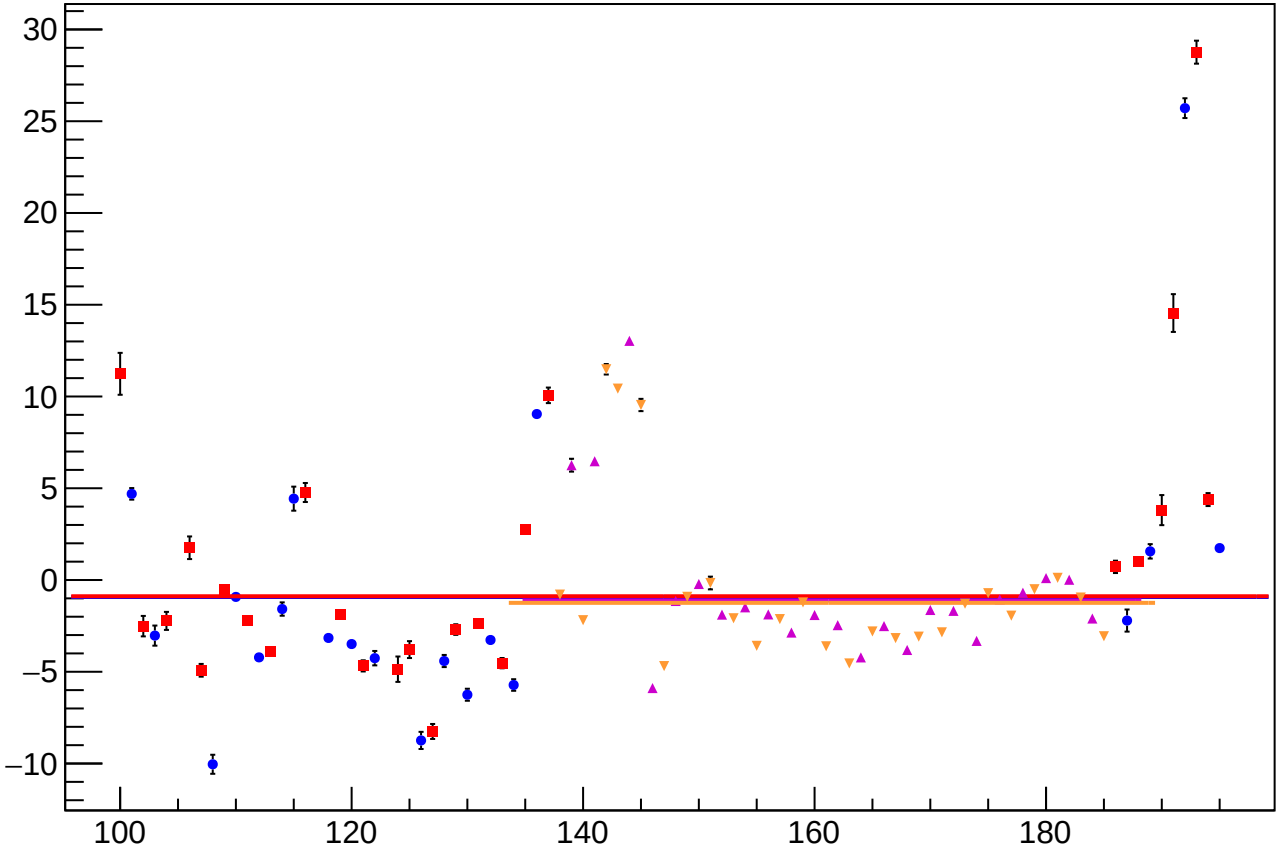
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.541+/-0.033 χ^2/NDF: 277542.8/44

All: -0.267+/-0.022 χ^2/NDF: 513412.8/92

- sign -0.039+/-0.030 χ^2/NDF: 235746.2/47

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: -0.885+/-0.062 χ^2/NDF: 5276.6/24

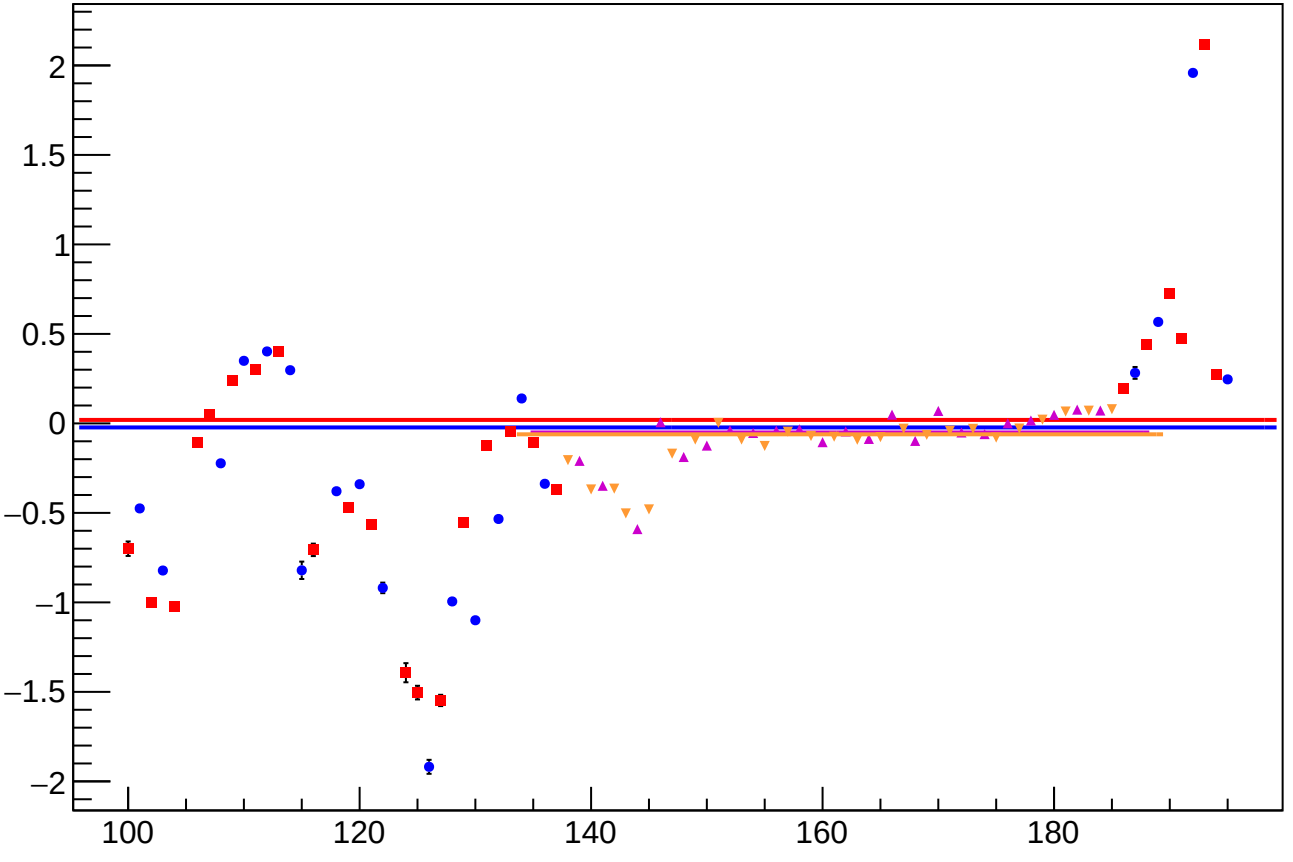
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.168+/-0.033 χ^2/NDF: 13809.9/44

All: -1.110+/-0.022 χ^2/NDF: 25943.2/92

- sign -1.058+/-0.031 χ^2/NDF: 12127.4/47

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.003 χ^2/NDF: 31307.6/19

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

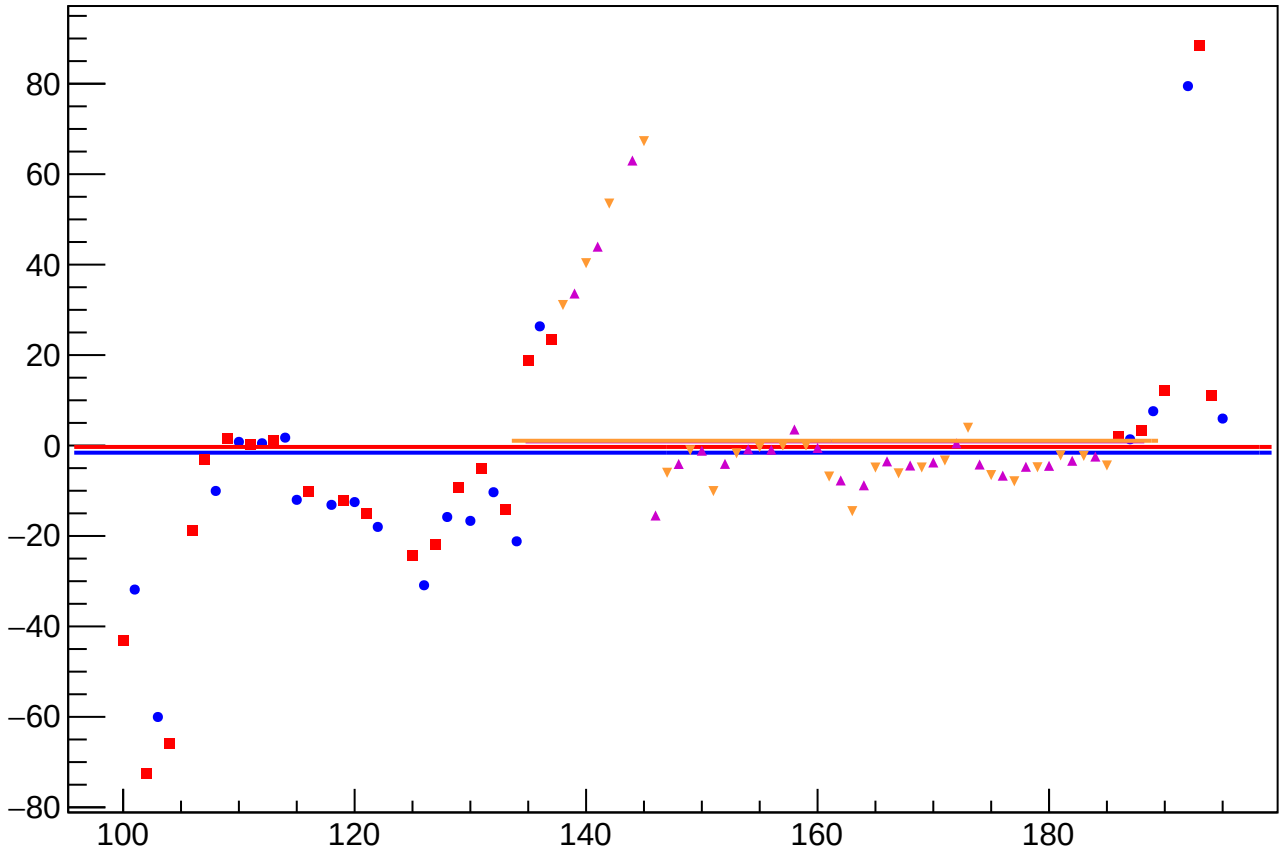
Right Out: 0.019+/-0.003 χ^2/NDF: 31672.9/24

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.054+/-0.001 χ^2/NDF: 36886.9/44

All: -0.046+/-0.001 χ^2/NDF: 73850.3/92

- sign -0.039+/-0.001 χ^2/NDF: 36906.8/47



Right In: -1.585+/-0.049 χ^2/NDF: 112544.3/19

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

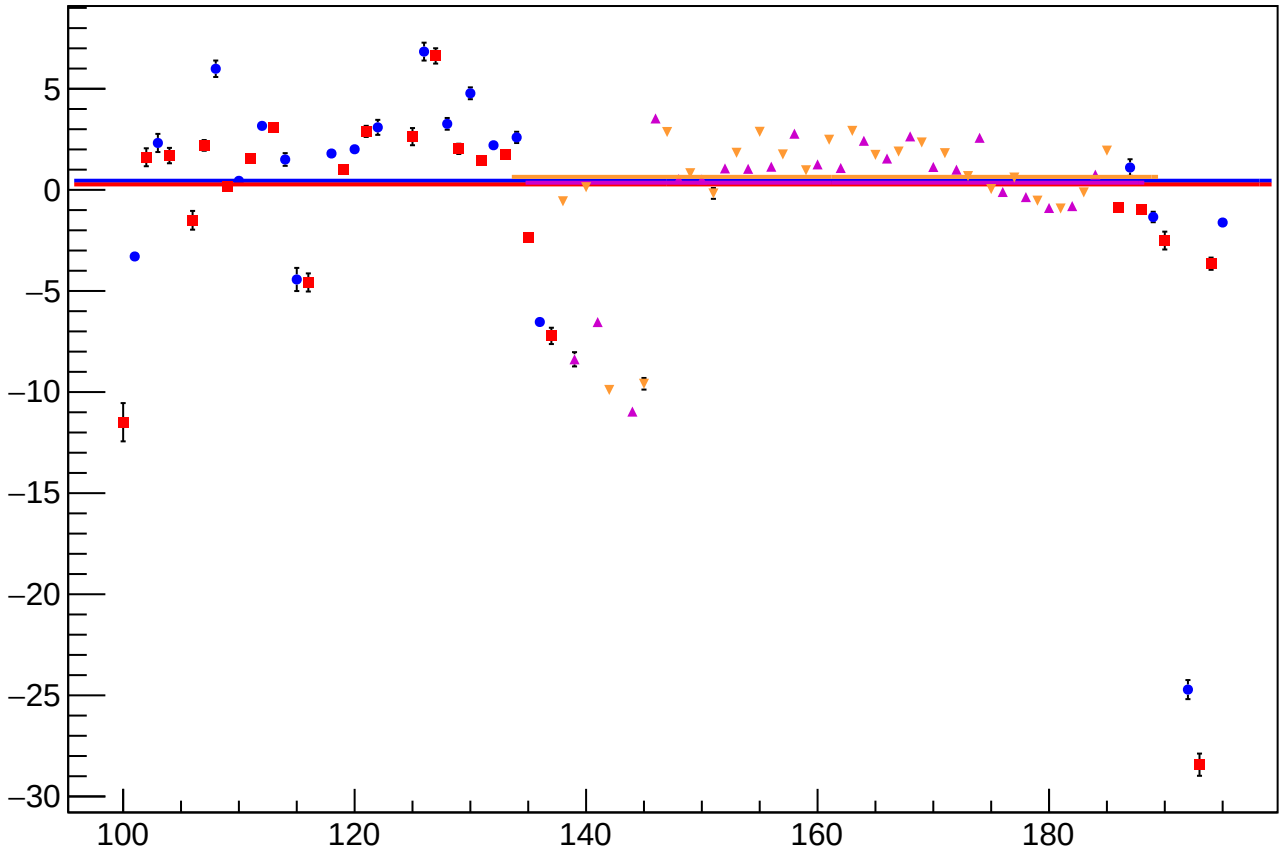
Right Out: -0.314+/-0.040 χ^2/NDF: 112258.0/22

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.013+/-0.031 χ^2/NDF: 245285.2/43

All: 0.163+/-0.021 χ^2/NDF: 490876.9/89

- sign 0.307+/-0.028 χ^2/NDF: 245534.0/45



Right In: 0.452+/-0.055 χ^2/NDF: 5726.4/19

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

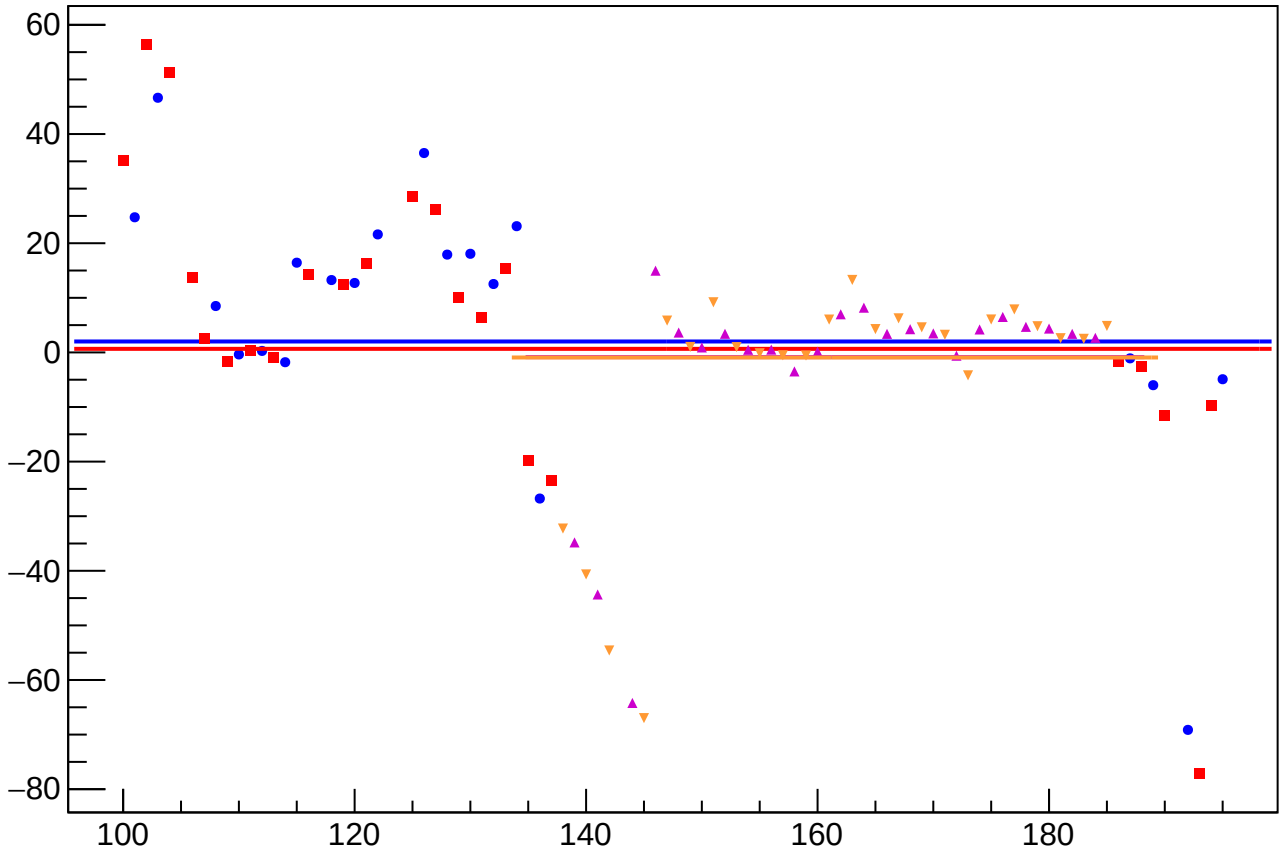
Right Out: 0.269+/-0.051 χ^2/NDF: 4791.6/22

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.593+/-0.028 χ^2/NDF: 10446.3/43

All: 0.454+/-0.019 χ^2/NDF: 22401.9/89

- sign 0.332+/-0.027 χ^2/NDF: 11910.7/45



Right In: 2.003+/-0.054 χ^2/NDF: 111365.5/19

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

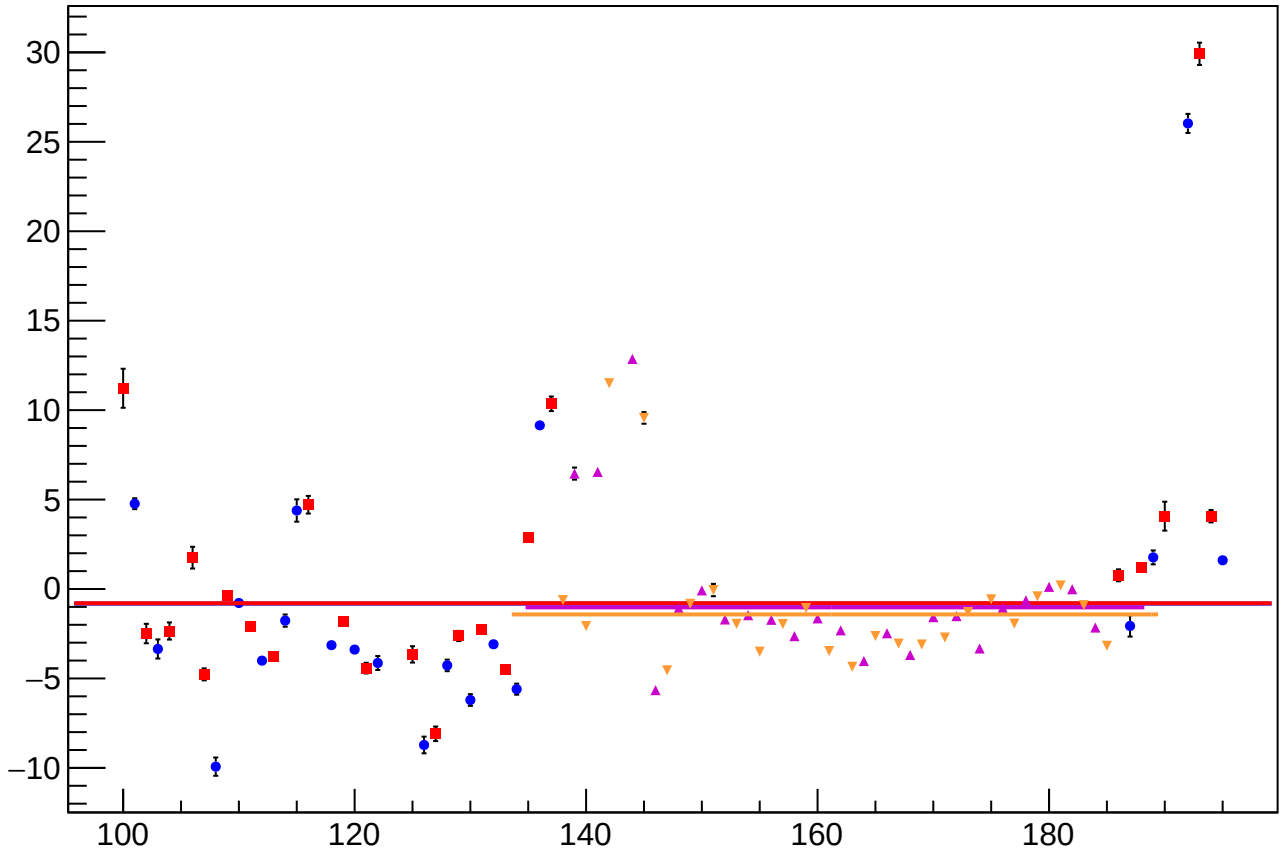
Right Out: 0.654+/-0.045 χ^2/NDF: 110630.3/22

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 0.123+/-0.032 χ^2/NDF: 239621.1/43

All: -0.055+/-0.022 χ^2/NDF: 480439.1/89

- sign -0.202+/-0.029 χ^2/NDF: 240763.1/45



Right In: -0.815+/-0.065 χ^2/NDF: 7343.6/19

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

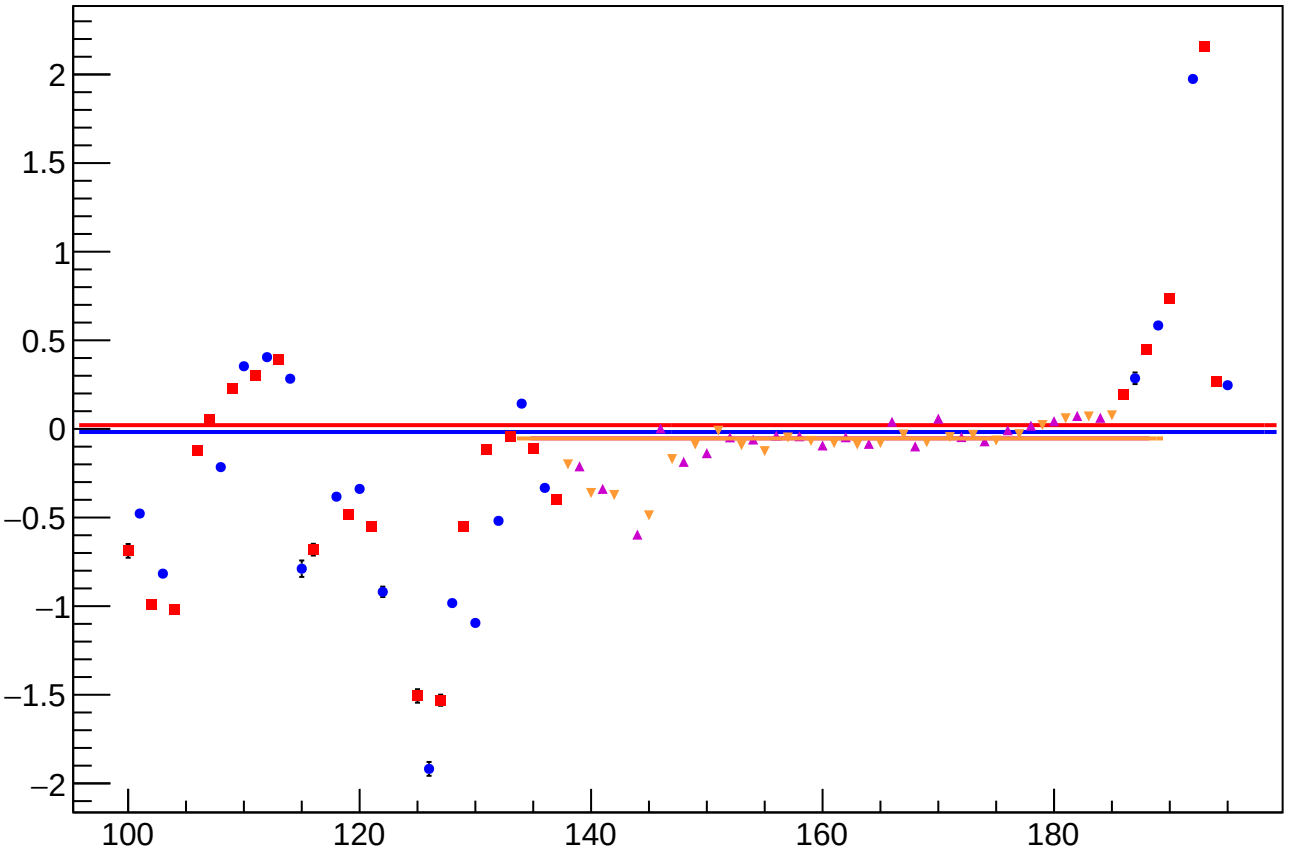
Right Out: -0.795+/-0.060 χ^2/NDF: 5371.8/22

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.273+/-0.032 χ^2/NDF: 12052.1/43

All: -1.111+/-0.022 χ^2/NDF: 24530.7/89

- sign -0.968+/-0.030 χ^2/NDF: 12430.1/45



Right In: -0.017+/-0.003 χ^2/NDF: 32494.9/19

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

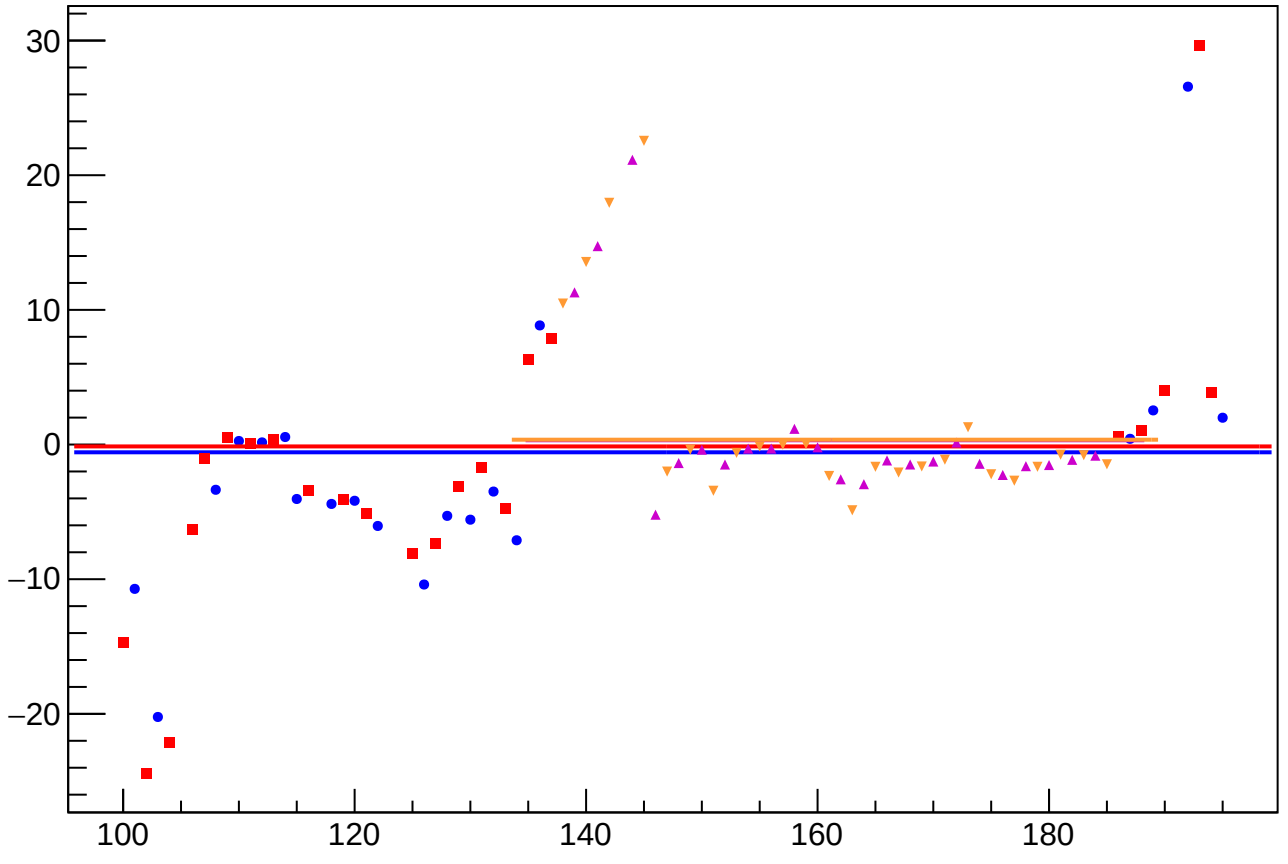
Right Out: 0.021+/-0.003 χ^2/NDF: 32083.0/22

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.047+/-0.001 χ^2/NDF: 36929.3/43

All: -0.044+/-0.001 χ^2/NDF: 74455.6/89

- sign -0.041+/-0.001 χ^2/NDF: 37515.3/45



Right In: -0.577+/-0.017 χ^2/NDF: 110582.5/19

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

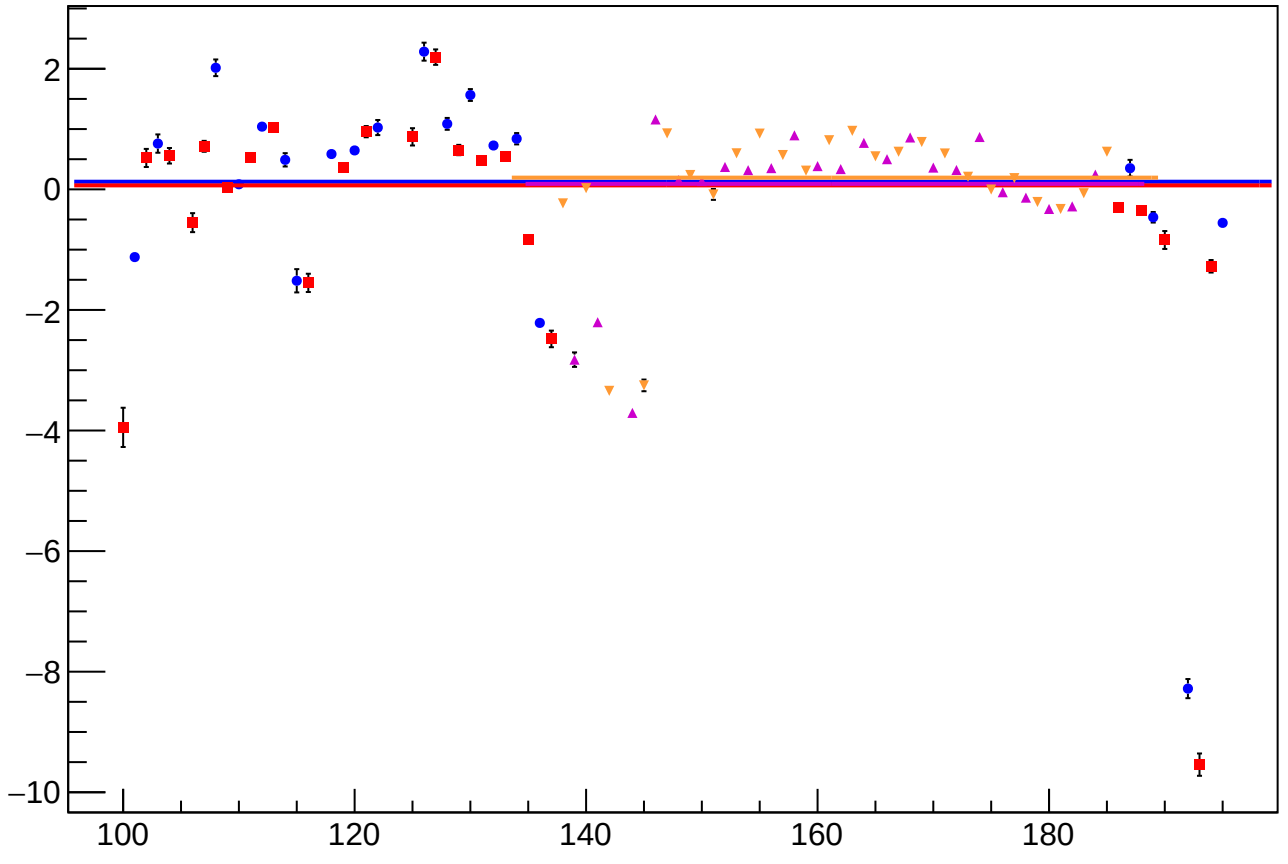
Right Out: -0.140+/-0.014 χ^2/NDF: 110551.1/22

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.017+/-0.011 χ^2/NDF: 241241.3/43

All: 0.043+/-0.007 χ^2/NDF: 482625.4/89

- sign 0.093+/-0.010 χ^2/NDF: 241325.9/45



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: 0.066+/-0.017 χ^2/NDF: 4717.6/22

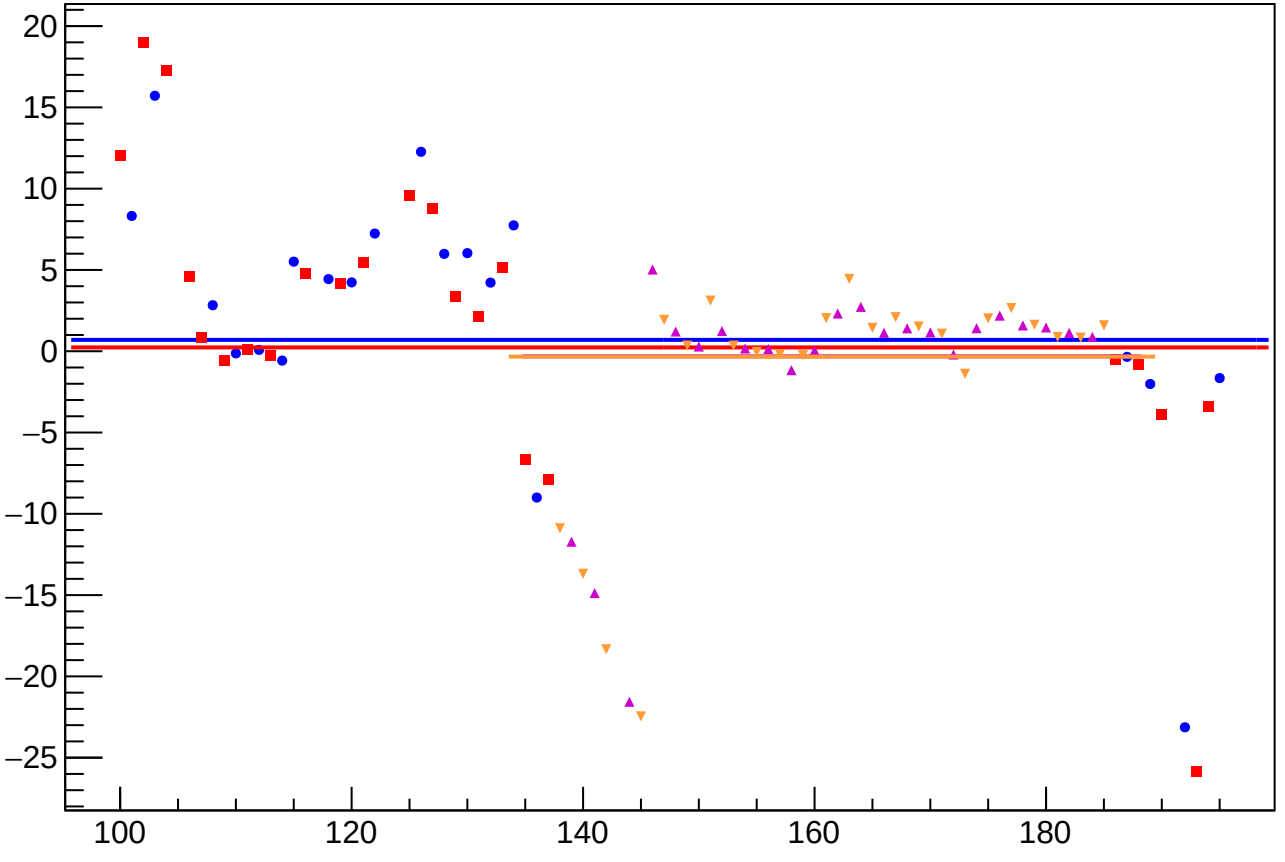
Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.177+/-0.010 χ^2/NDF: 10273.0/43

All: 0.128+/-0.007 χ^2/NDF: 21976.5/89

- sign 0.084+/-0.009 χ^2/NDF: 11655.5/45

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.699+/-0.019 χ^2/NDF: 109451.0/19

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

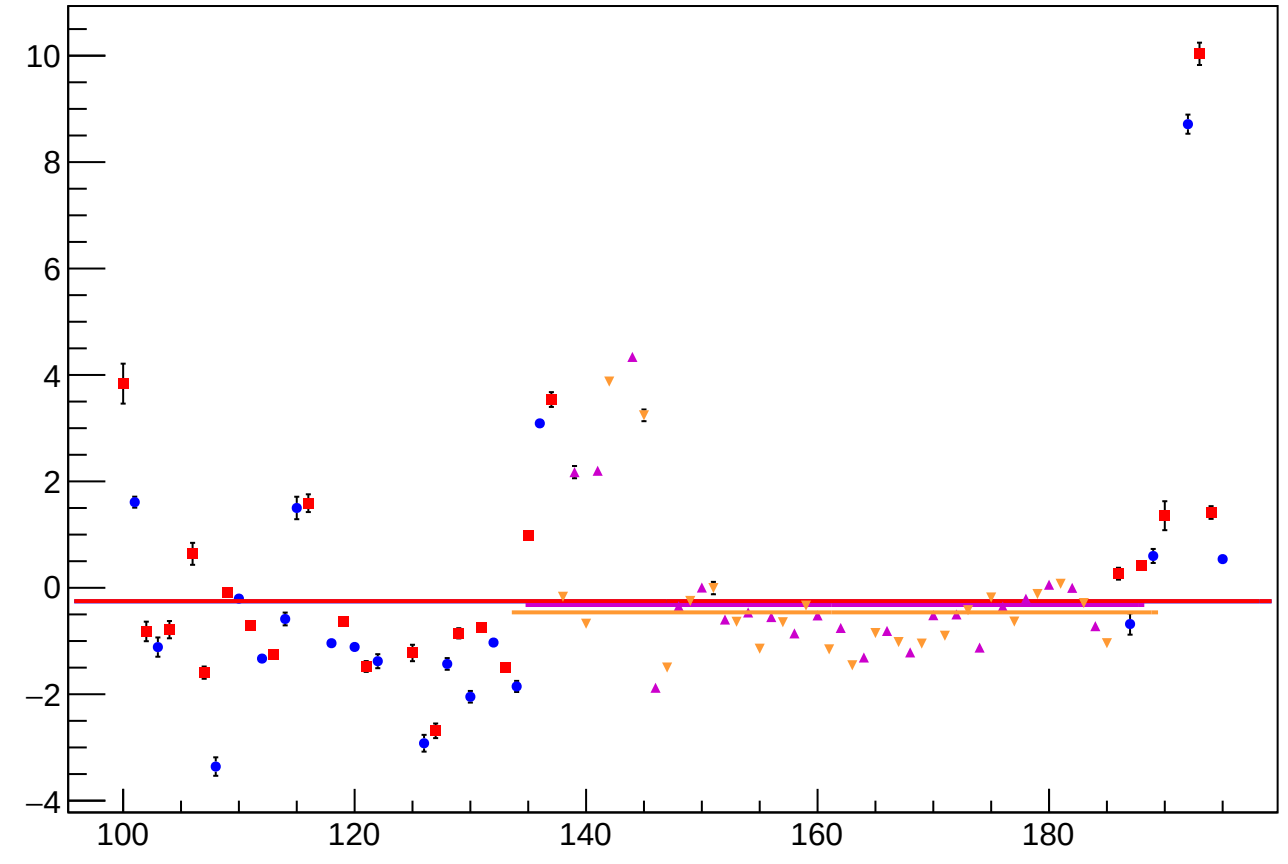
Right Out: 0.234+/-0.015 χ^2/NDF: 108985.8/22

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.037+/-0.011 χ^2/NDF: 235669.4/43

All: -0.024+/-0.007 χ^2/NDF: 472434.0/89

- sign -0.075+/-0.010 χ^2/NDF: 236708.9/45



Right In: -0.255+/-0.022 χ^2/NDF: 7196.3/19

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

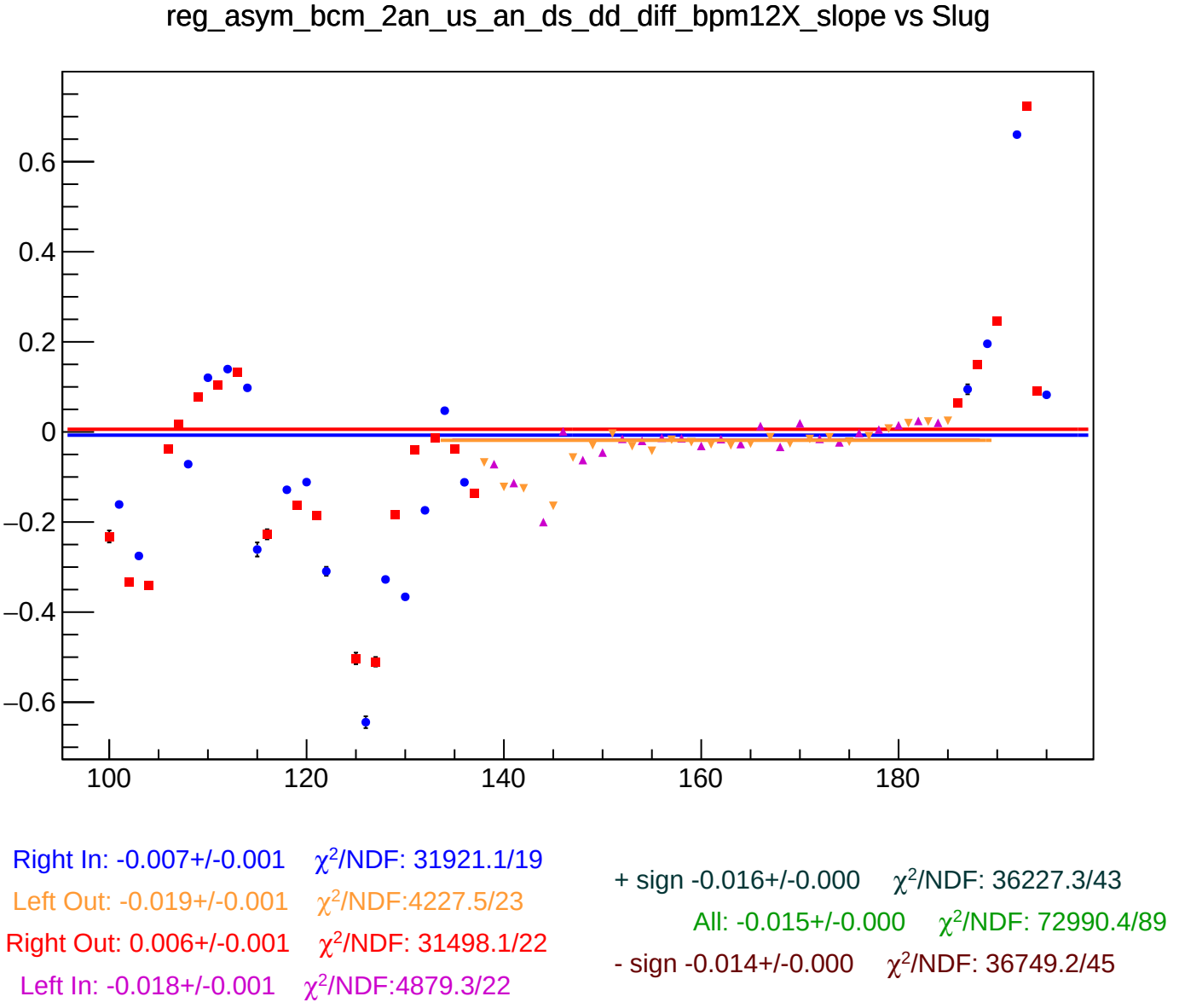
Right Out: -0.250+/-0.021 χ^2/NDF: 5290.5/22

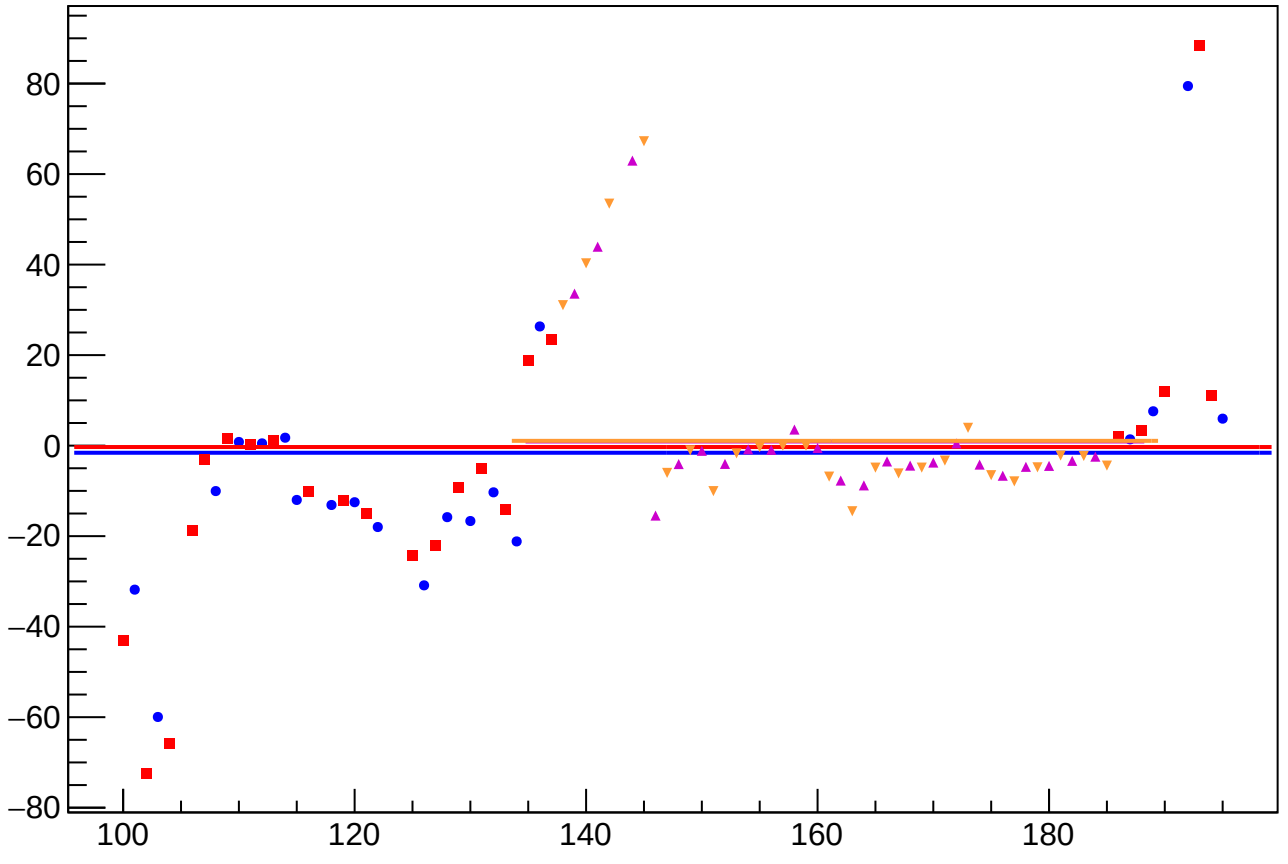
Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.411+/-0.011 χ^2/NDF: 11842.4/43

All: -0.355+/-0.007 χ^2/NDF: 24074.8/89

- sign -0.305+/-0.010 χ^2/NDF: 12181.7/45


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: -0.007+/-0.001 χ²/NDF: 31921.1/19
Left Out: -0.019+/-0.001 χ²/NDF:4227.5/23
Right Out: 0.006+/-0.001 χ²/NDF: 31498.1/22
Left In: -0.018+/-0.001 χ²/NDF:4879.3/22
+ sign -0.016+/-0.000 χ²/NDF: 36227.3/43
All: -0.015+/-0.000 χ²/NDF: 72990.4/89
- sign -0.014+/-0.000 χ²/NDF: 36749.2/45



Right In: -1.575+/-0.049 χ^2/NDF: 112571.5/19

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

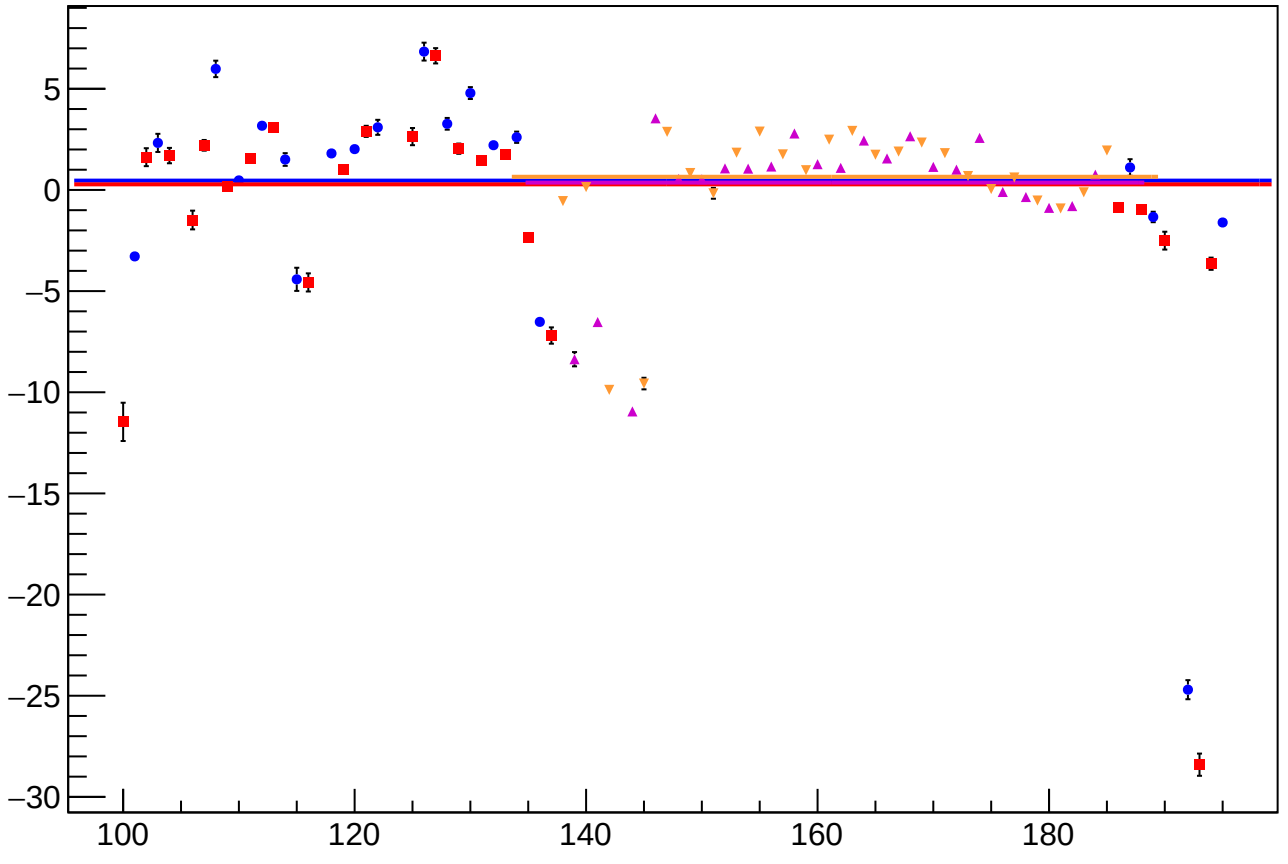
Right Out: -0.309+/-0.040 χ^2/NDF: 112278.6/22

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

\+ sign -0.008+/-0.031 χ^2/NDF: 245289.0/43

All: 0.168+/-0.021 χ^2/NDF: 490908.3/89

\- sign 0.311+/-0.028 χ^2/NDF: 245562.2/45



Right In: 0.461+/-0.055 χ^2/NDF: 5728.8/19

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

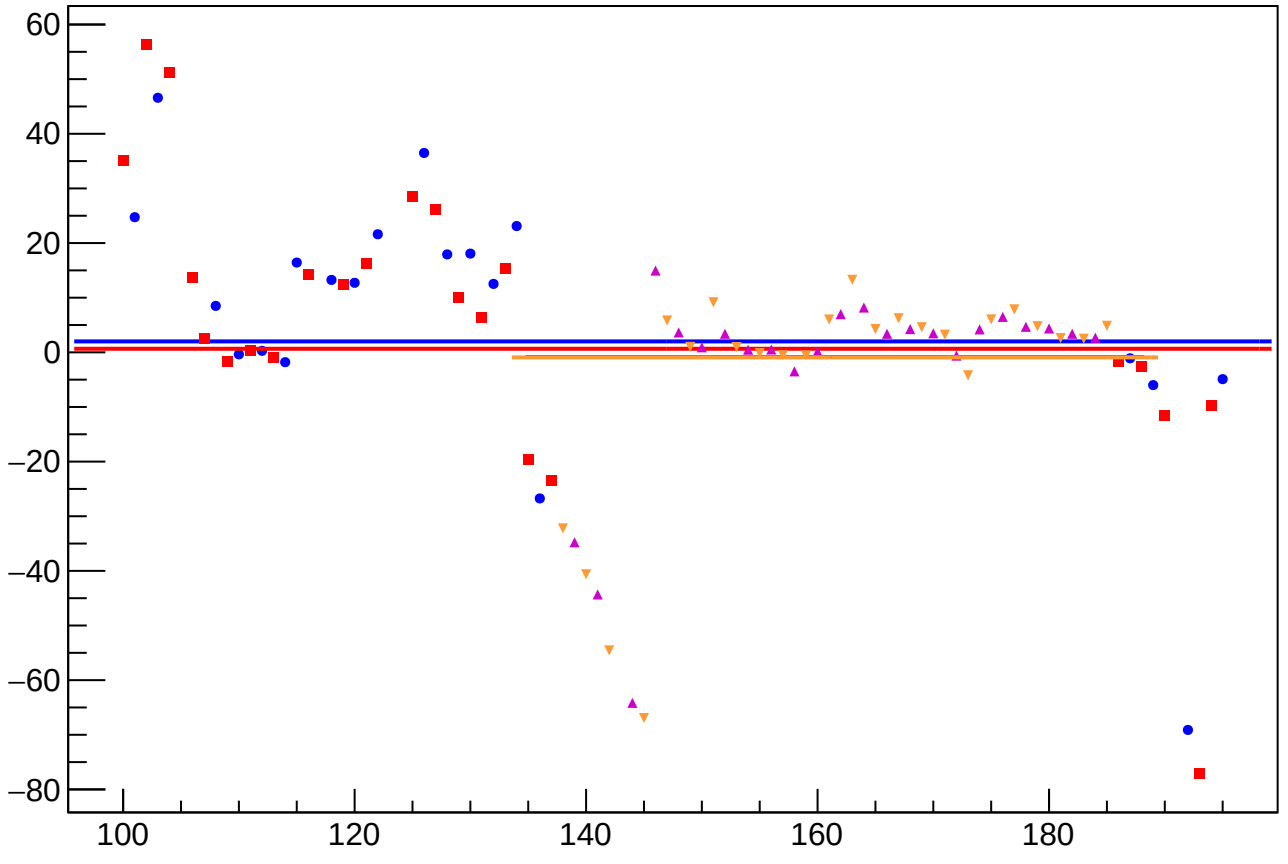
Right Out: 0.277+/-0.051 χ^2/NDF: 4791.9/22

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.601+/-0.028 χ^2/NDF: 10446.4/43

All: 0.462+/-0.019 χ^2/NDF: 22407.6/89

- sign 0.340+/-0.027 χ^2/NDF: 11916.4/45



Right In: 2.000+/-0.054 χ^2/NDF: 111389.3/19

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

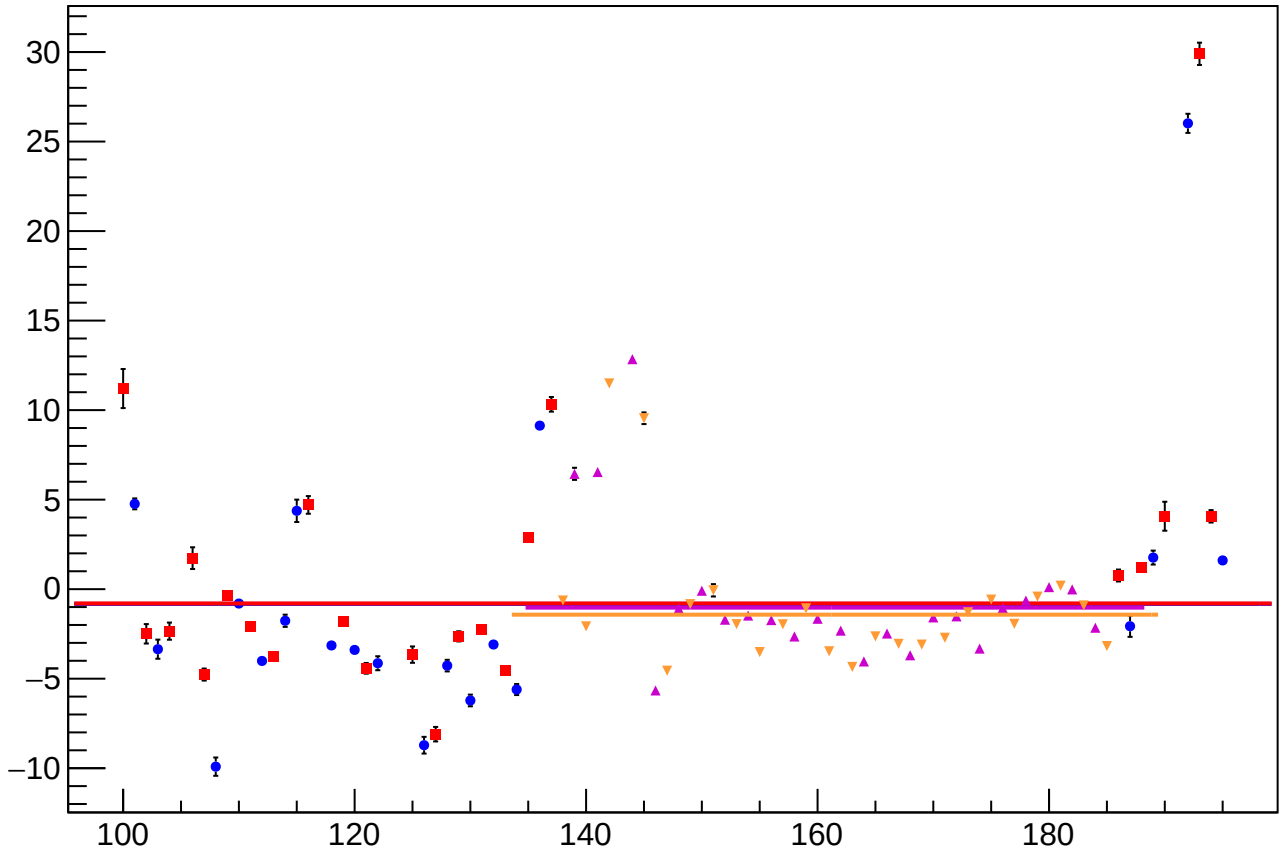
Right Out: 0.654+/-0.045 χ^2/NDF: 110646.0/22

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.123+/-0.032 χ^2/NDF: 239623.0/43

All: -0.054+/-0.022 χ^2/NDF: 480460.8/89

- sign -0.200+/-0.029 χ^2/NDF: 240783.4/45



Right In: -0.821+/-0.064 χ^2/NDF: 7345.8/19

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

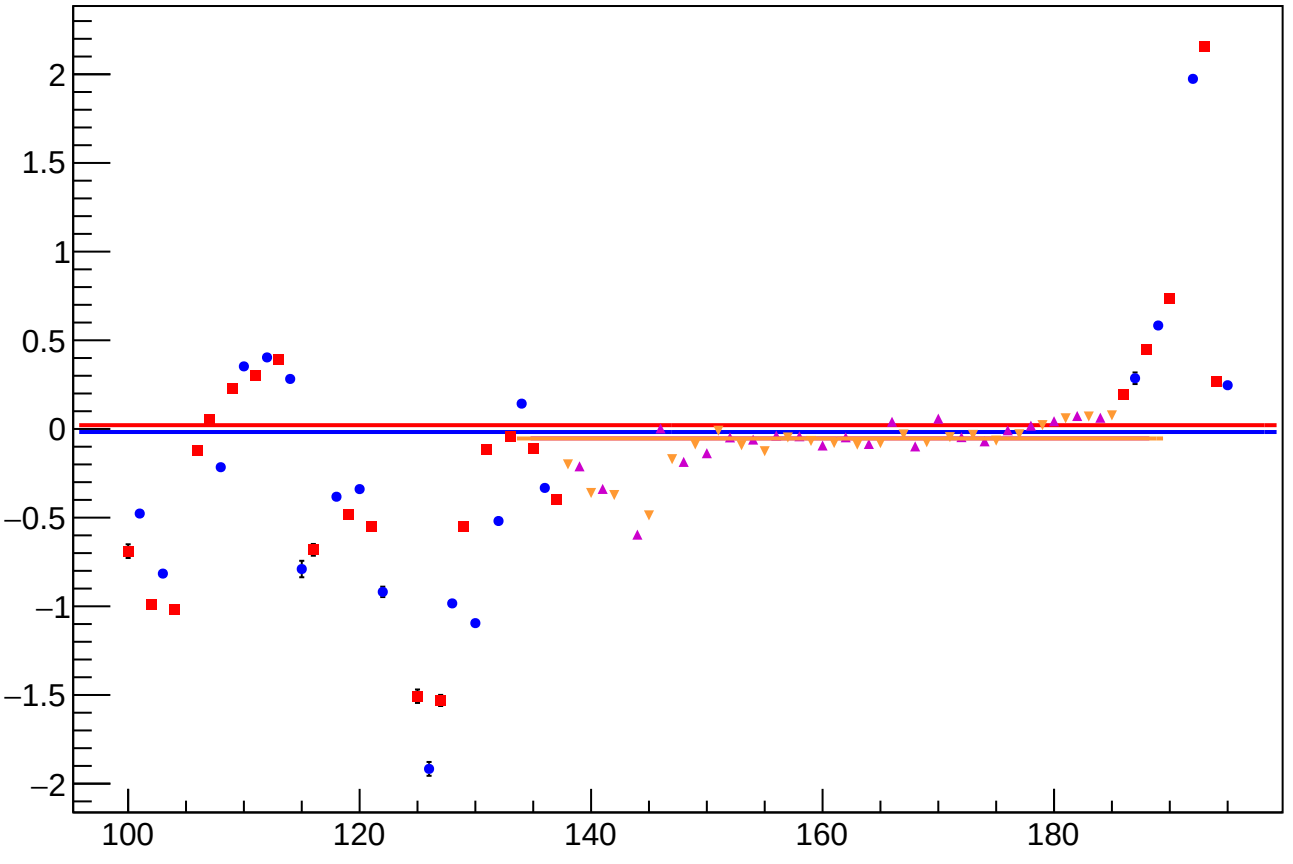
Right Out: -0.799+/-0.060 χ^2/NDF: 5370.7/22

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.278+/-0.032 χ^2/NDF: 12051.6/43

All: -1.116+/-0.022 χ^2/NDF: 24533.4/89

- sign -0.973+/-0.030 χ^2/NDF: 12433.3/45



Right In: -0.017+/-0.003 χ^2/NDF: 32503.6/19

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

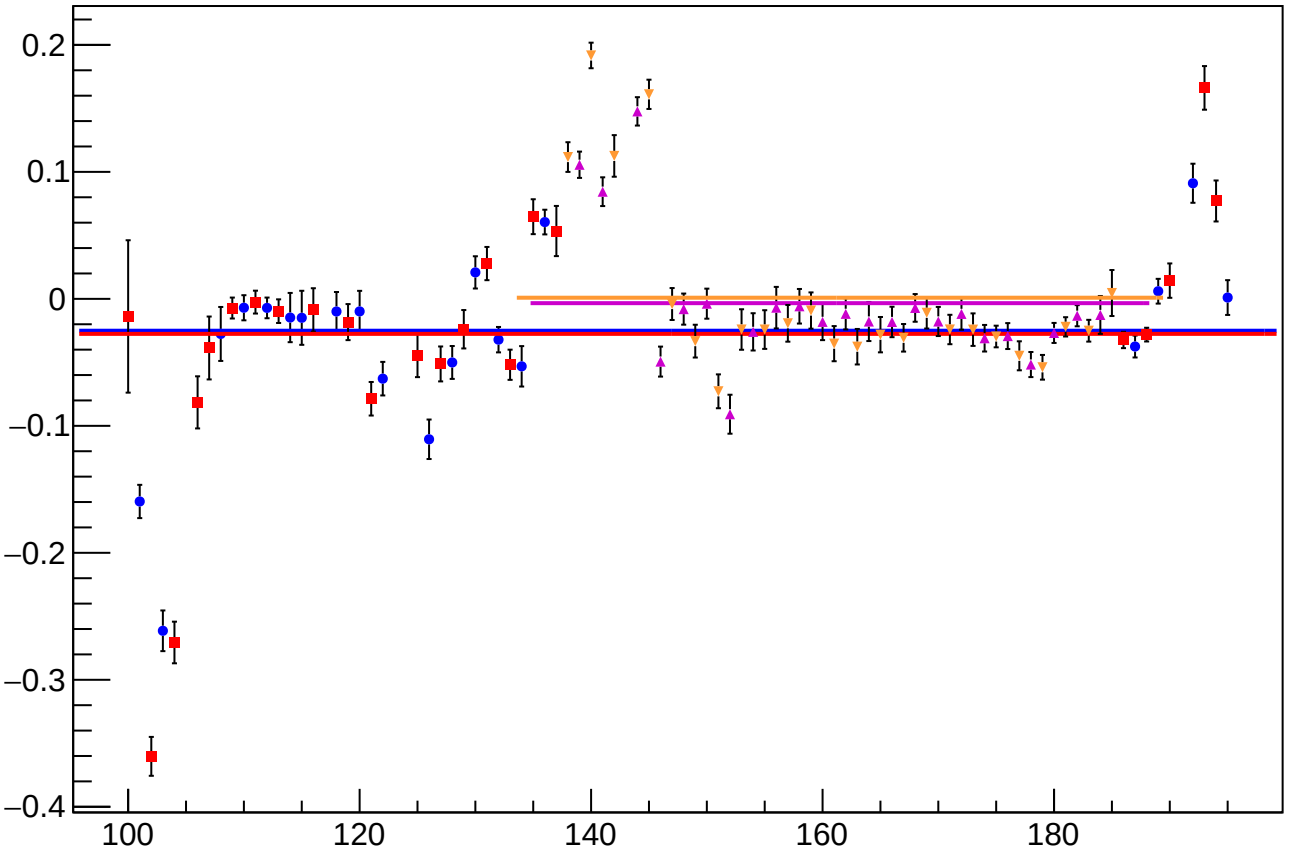
Right Out: 0.021+/-0.003 χ^2/NDF: 32096.9/22

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.047+/-0.001 χ^2/NDF: 36939.2/43

All: -0.044+/-0.001 χ^2/NDF: 74484.1/89

- sign -0.041+/-0.001 χ^2/NDF: 37534.2/45



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: -0.028+/-0.002 χ^2/NDF: 1000.4/22

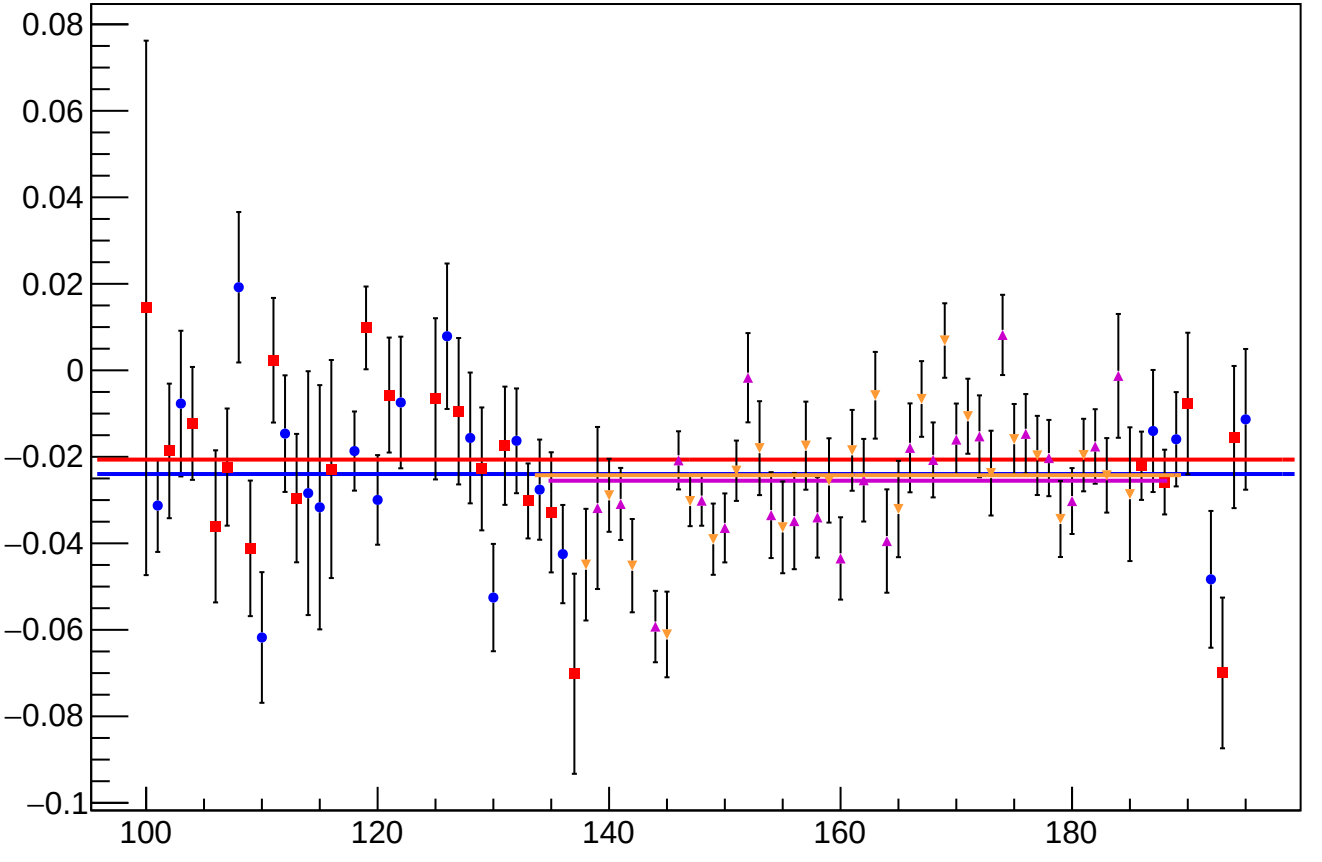
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1443.1/43

All: -0.013+/-0.001 χ^2/NDF: 2955.7/89

- sign -0.015+/-0.002 χ^2/NDF: 1508.4/45

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: -0.021+/-0.003 χ^2/NDF: 34.5/22

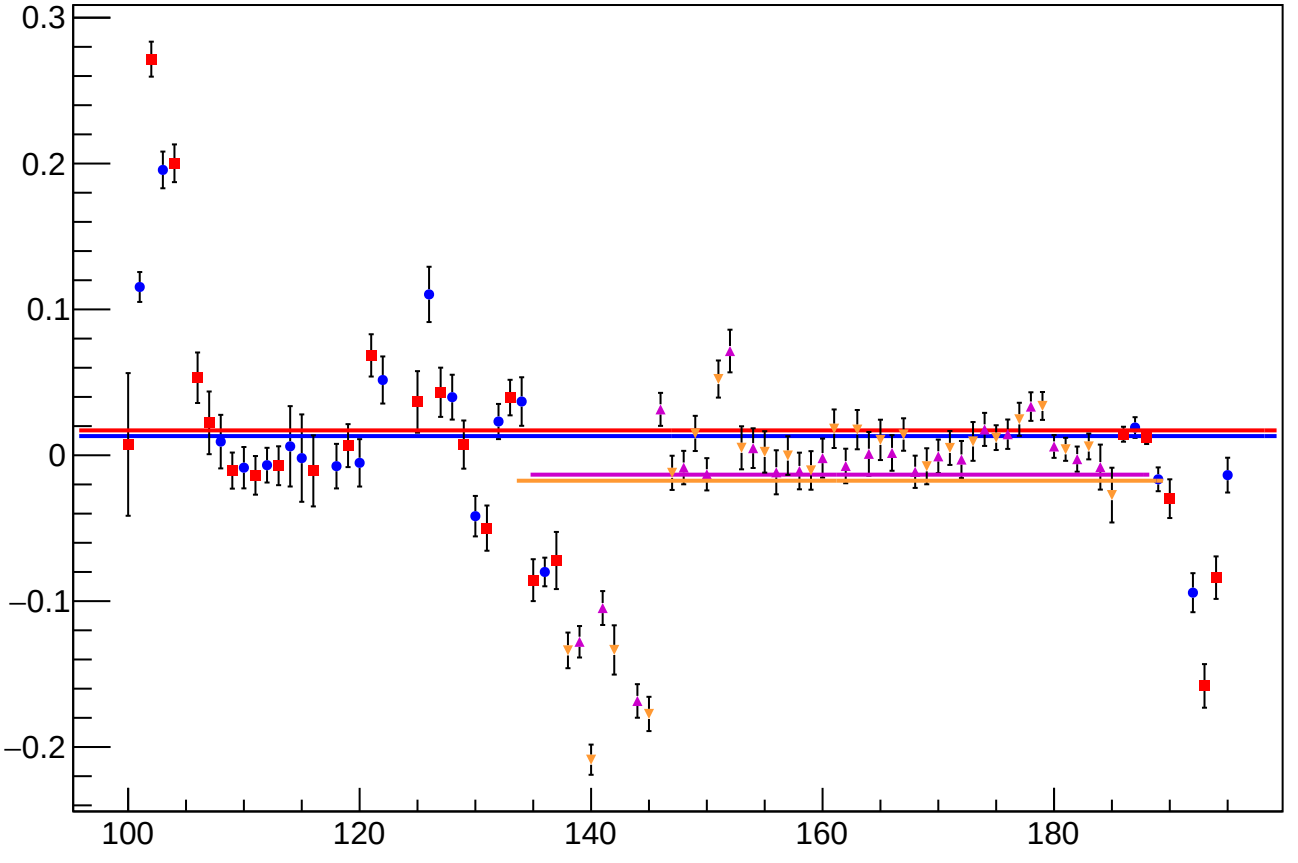
Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 86.4/43

All: -0.024+/-0.001 χ^2/NDF: 178.0/89

- sign -0.024+/-0.002 χ^2/NDF: 91.6/45

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

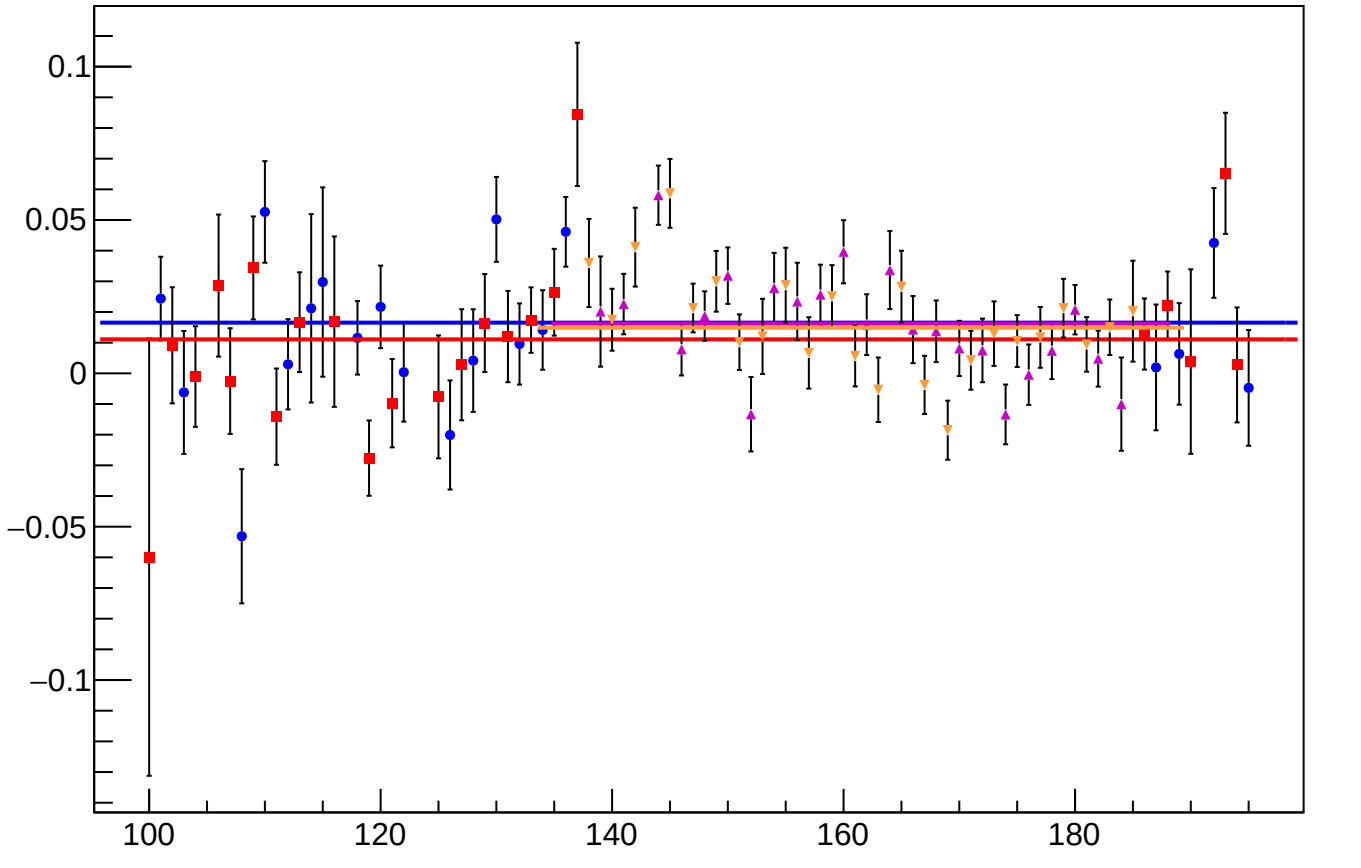
Right Out: 0.017+/-0.002 χ^2/NDF: 979.9/22

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: 2954.5/89

- sign 0.002+/-0.002 χ^2/NDF: 1520.8/45



Right In: 0.017+/-0.004 χ^2/NDF: 41.0/19

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

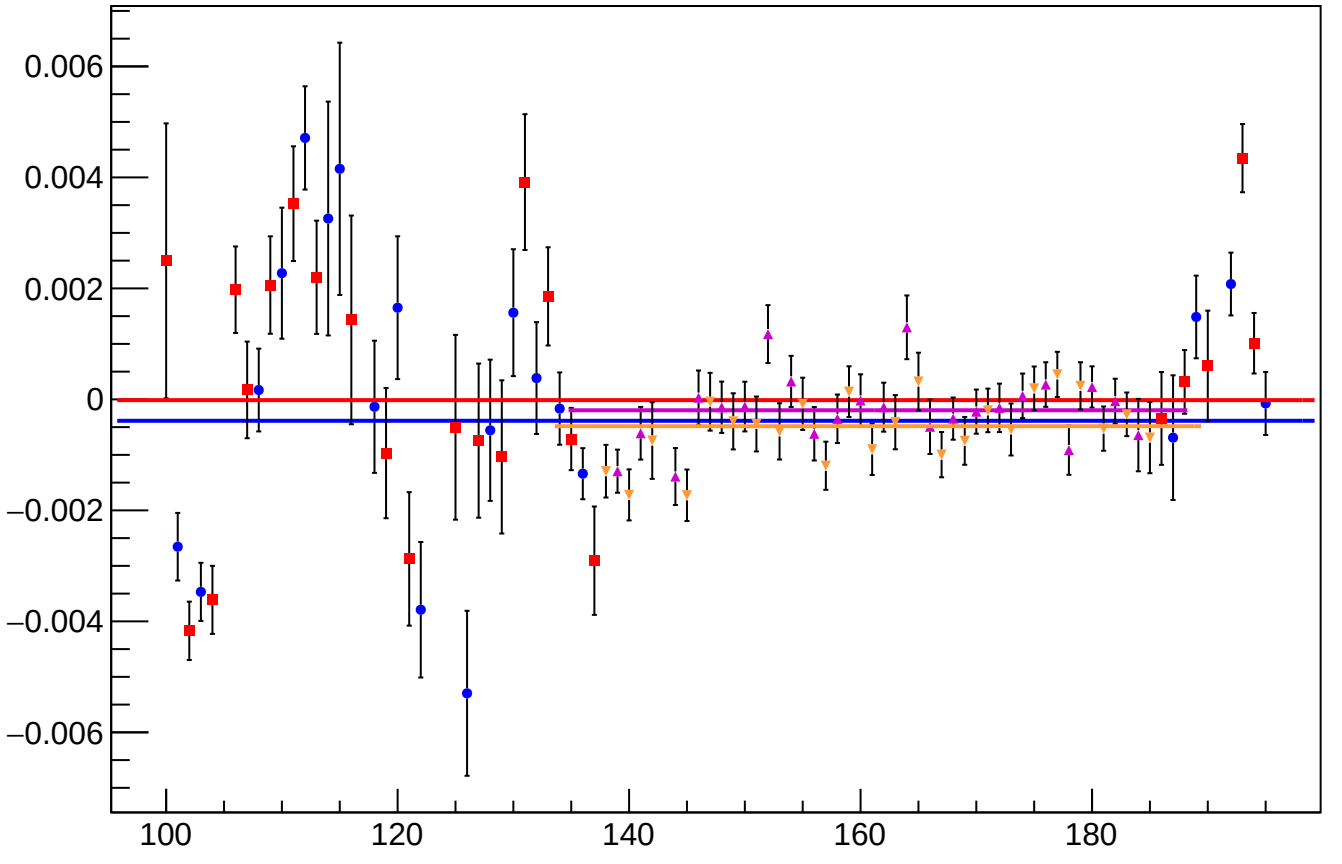
Right Out: 0.011+/-0.003 χ^2/NDF: 40.8/22

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 93.2/43

All: 0.015+/-0.001 χ^2/NDF: 193.7/89

- sign 0.015+/-0.002 χ^2/NDF: 100.4/45



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: 214.3/22

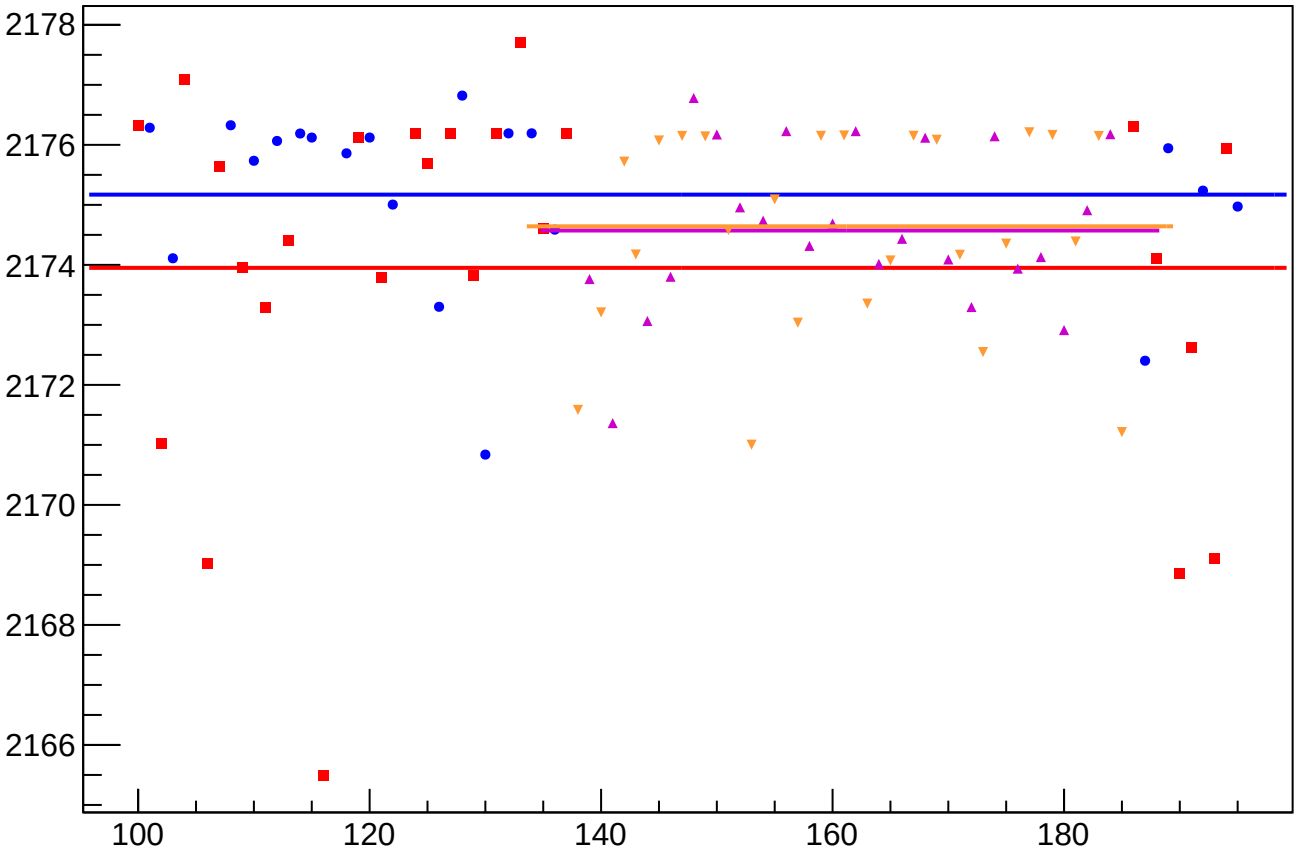
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 187.0/43

All: -0.000+/-0.000 χ^2/NDF: 446.4/89

- sign -0.000+/-0.000 χ^2/NDF: 252.4/45

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

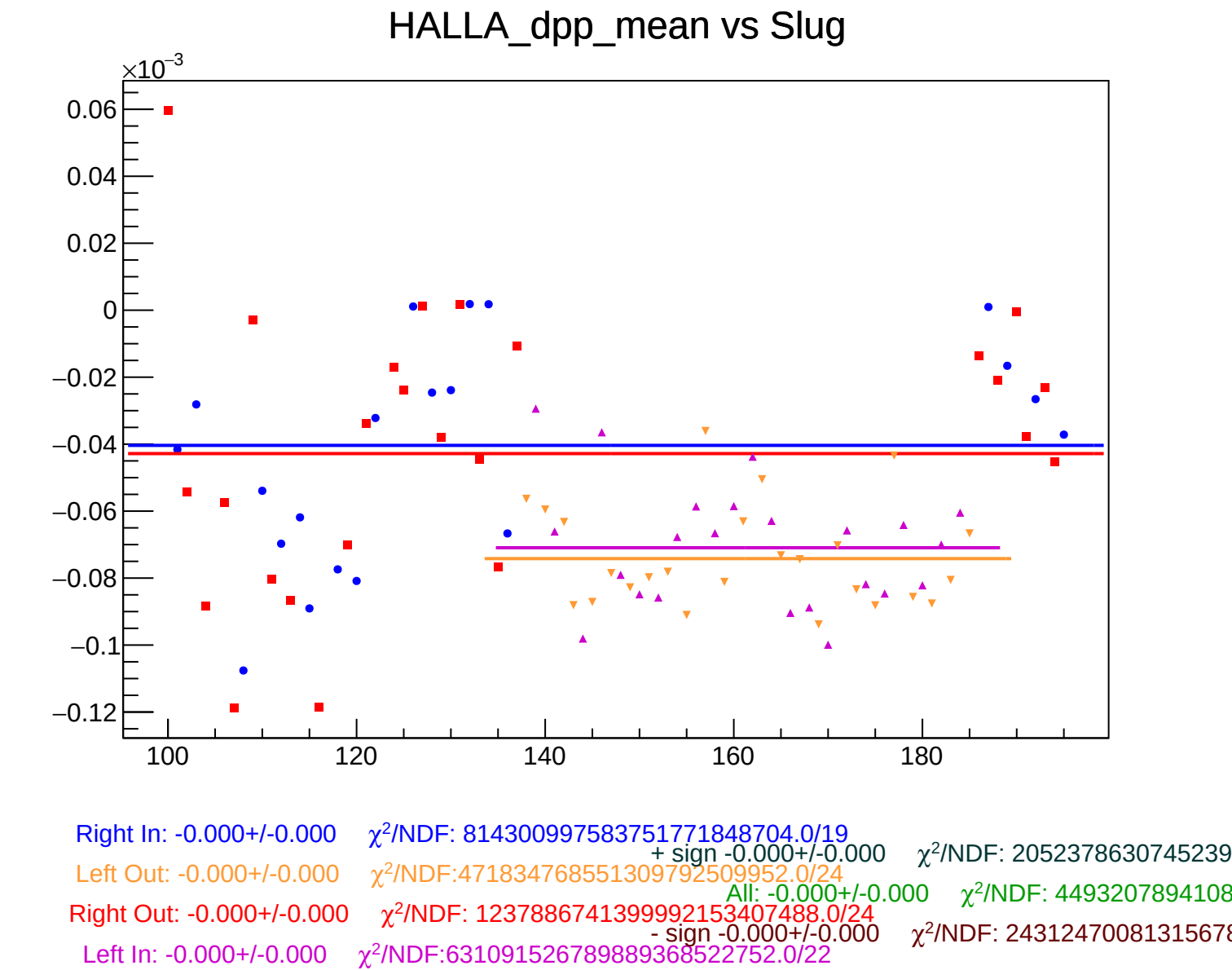
Right Out: 2173.950+/-0.000 χ^2/NDF: 90123113027493562813667783108198400/24

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

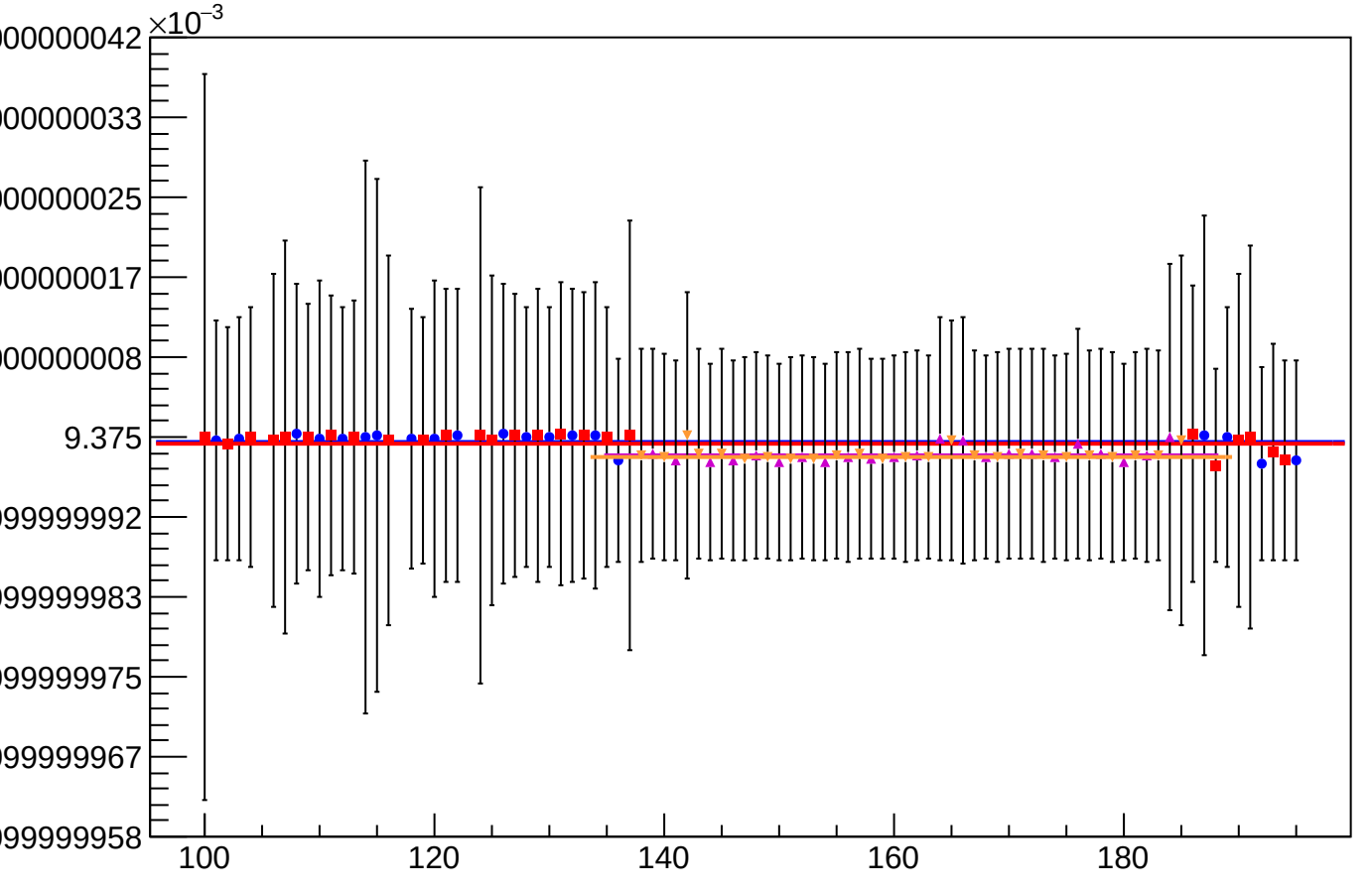
+ sign 2174.818+/-0.000 χ^2/NDF: 7346880775213

All: 2174.578+/-0.000 χ^2/NDF: 204112984

- sign 2174.341+/-0.000 χ^2/NDF: 12719069371344


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
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: 1237886741399992153407488.0/24
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: 4493207894108
- sign -0.000+/-0.000 χ²/NDF: 2431247008131567

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: 0.1/24

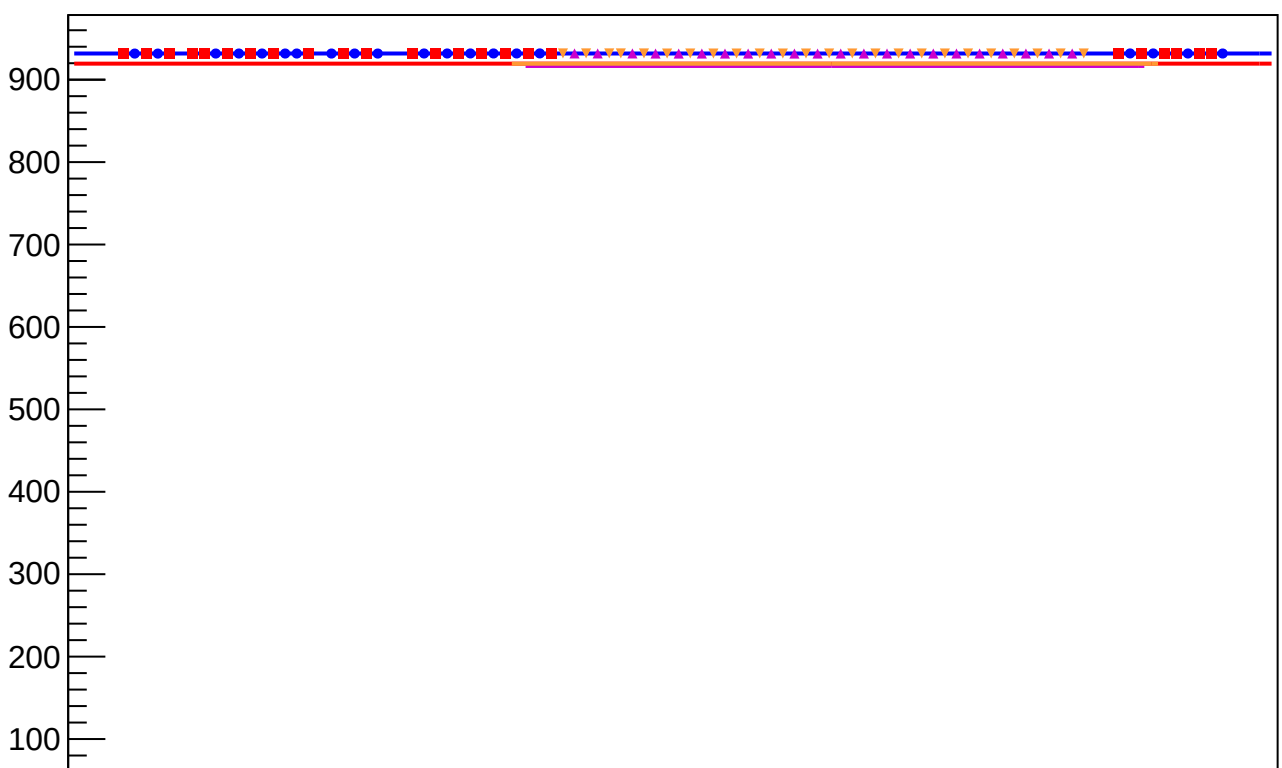
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/92

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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

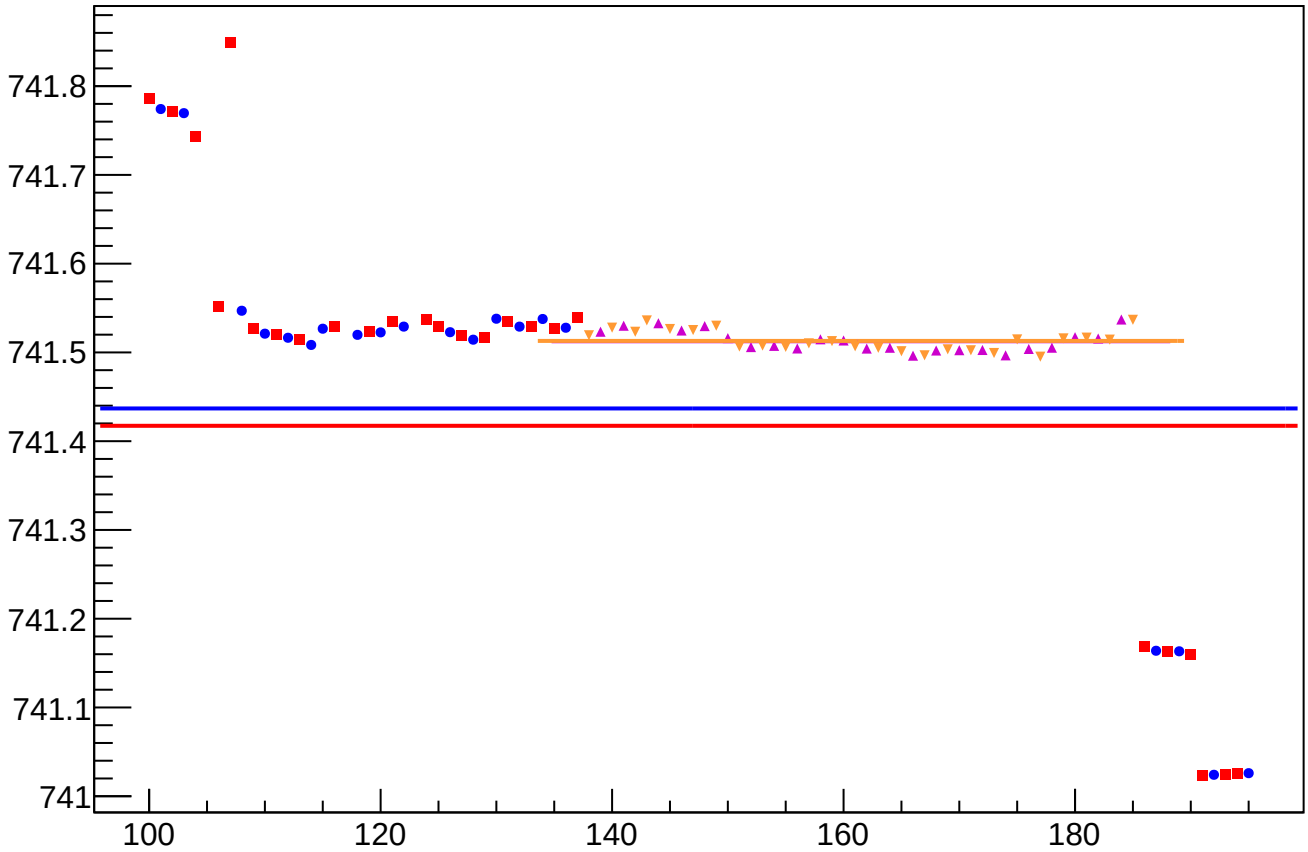
All: 920.580+/-0.000 χ^2/NDF: 624007648710

Right Out: 919.468+/-0.000 χ^2/NDF: 1285028916774346335729588274540734054 4.0/24

- sign 917.705+/-0.000 χ^2/NDF: 392256680927863

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

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: 741.417+/-0.000 χ^2/NDF: 6863841293098392565122791479705 6.0/24

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.488+/-0.000 χ^2/NDF: 609859402612031

All: 741.482+/-0.000 χ^2/NDF: 136485083760

- sign 741.477+/-0.000 χ^2/NDF: 753264029771507

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

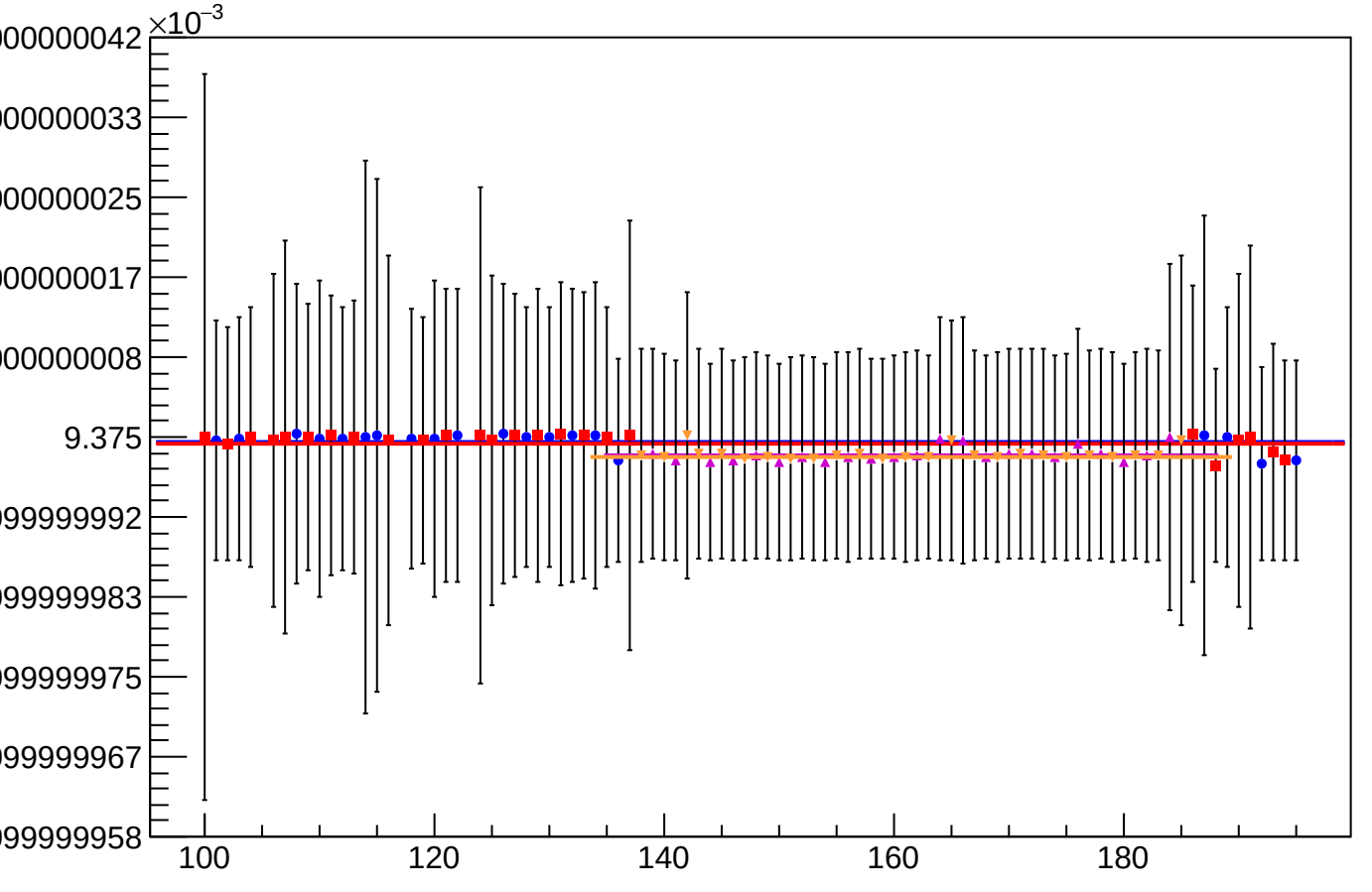
All: 971.412+/-0.000 χ^2/NDF: 550189466565

Right Out: 980.766+/-0.000 χ^2/NDF: 62020731636610117694257379672064.0/24

- sign 970.793+/-0.000 χ^2/NDF: 293960142771619

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

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: 0.1/24

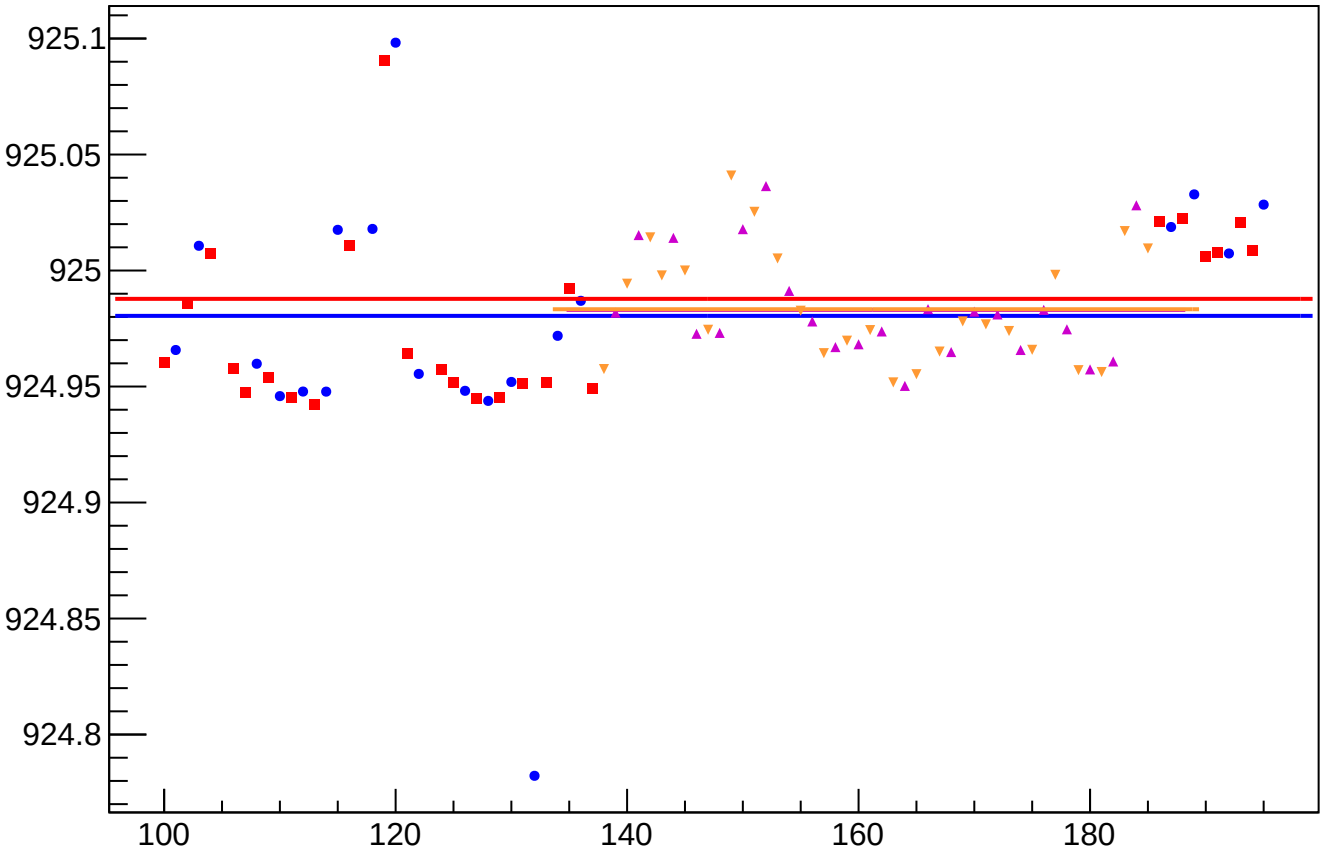
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/92

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 924.988+/-0.000 χ^2/NDF: 16986315314274146469676727664640.0/24

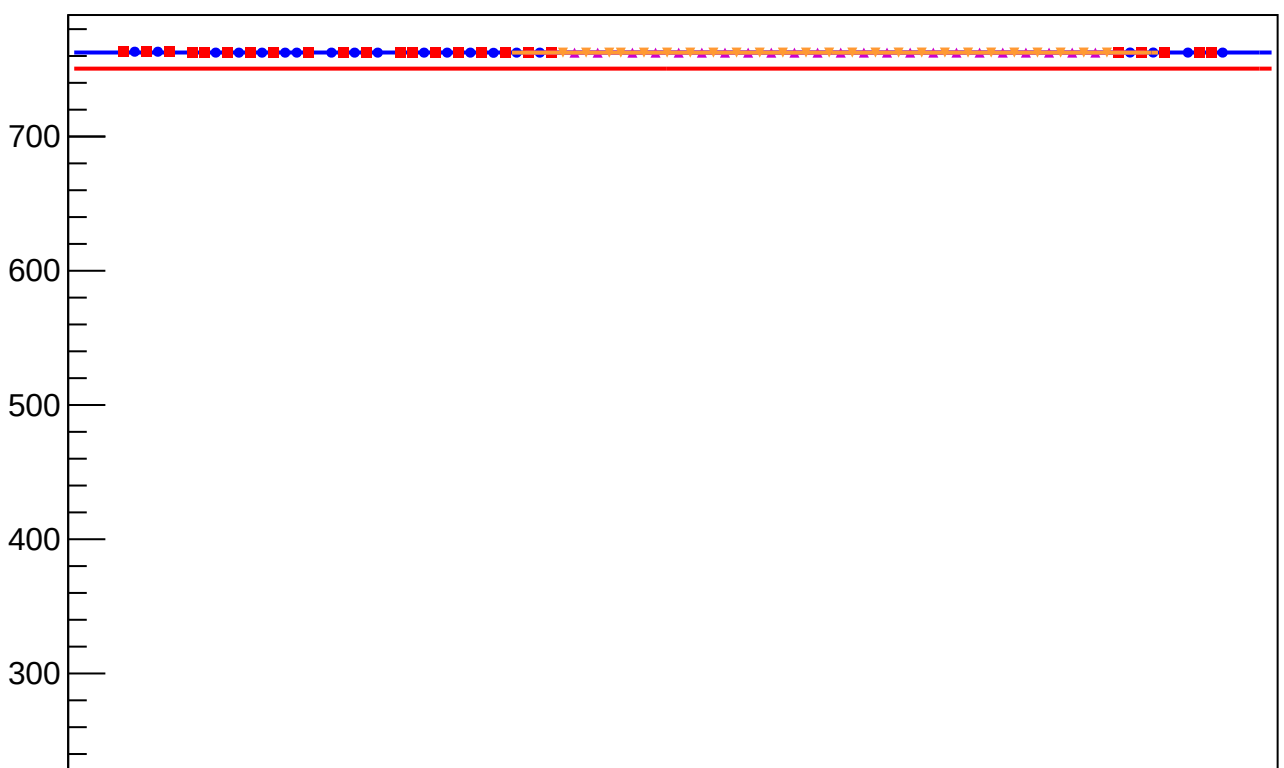
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.982+/-0.000 χ^2/NDF: 431727738745424

All: 924.984+/-0.000 χ^2/NDF: 6969415908300

- sign 924.985+/-0.000 χ^2/NDF: 264316971592385

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: 750.582+/-0.000 χ^2/NDF: 72761687599327311848127801308070543 36.0/24

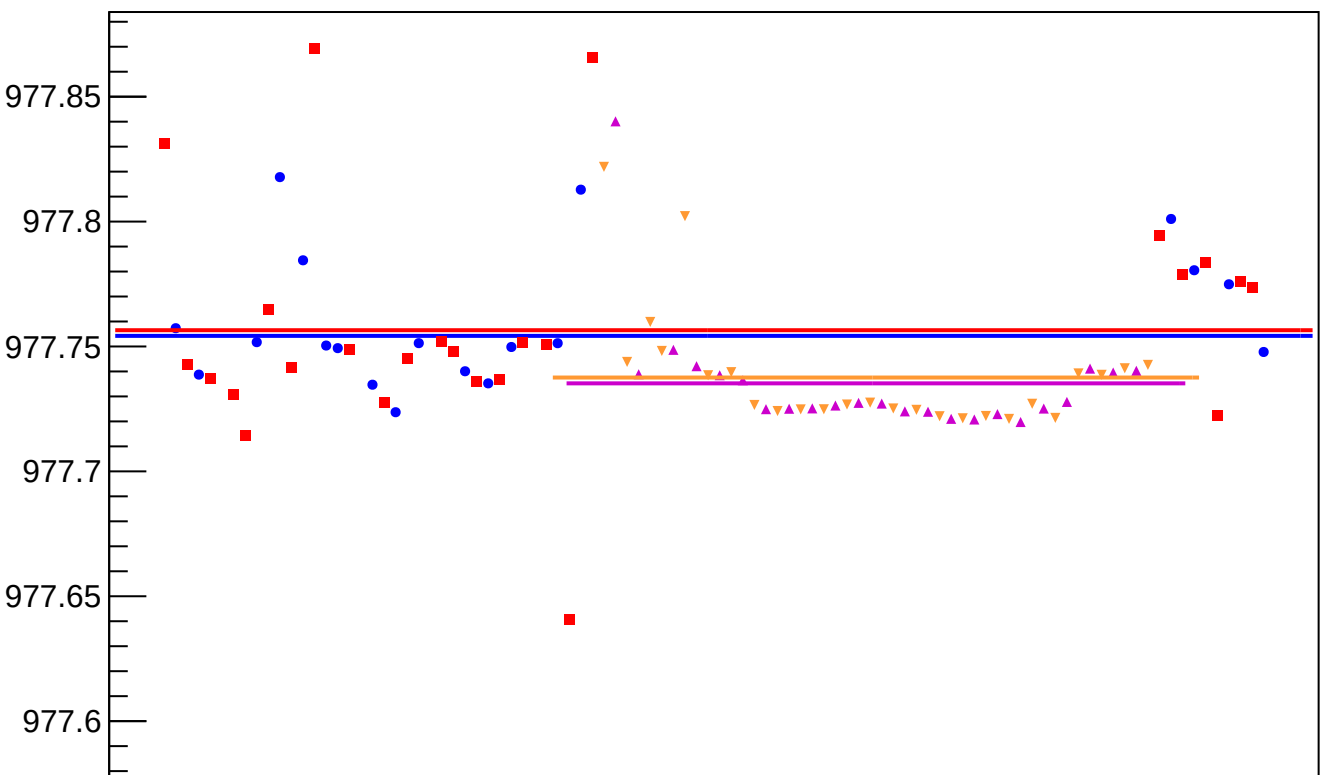
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576635549285047

All: 760.296+/-0.000 χ^2/NDF: 74080075329 6

- sign 758.063+/-0.000 χ^2/NDF: 737753890780013

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

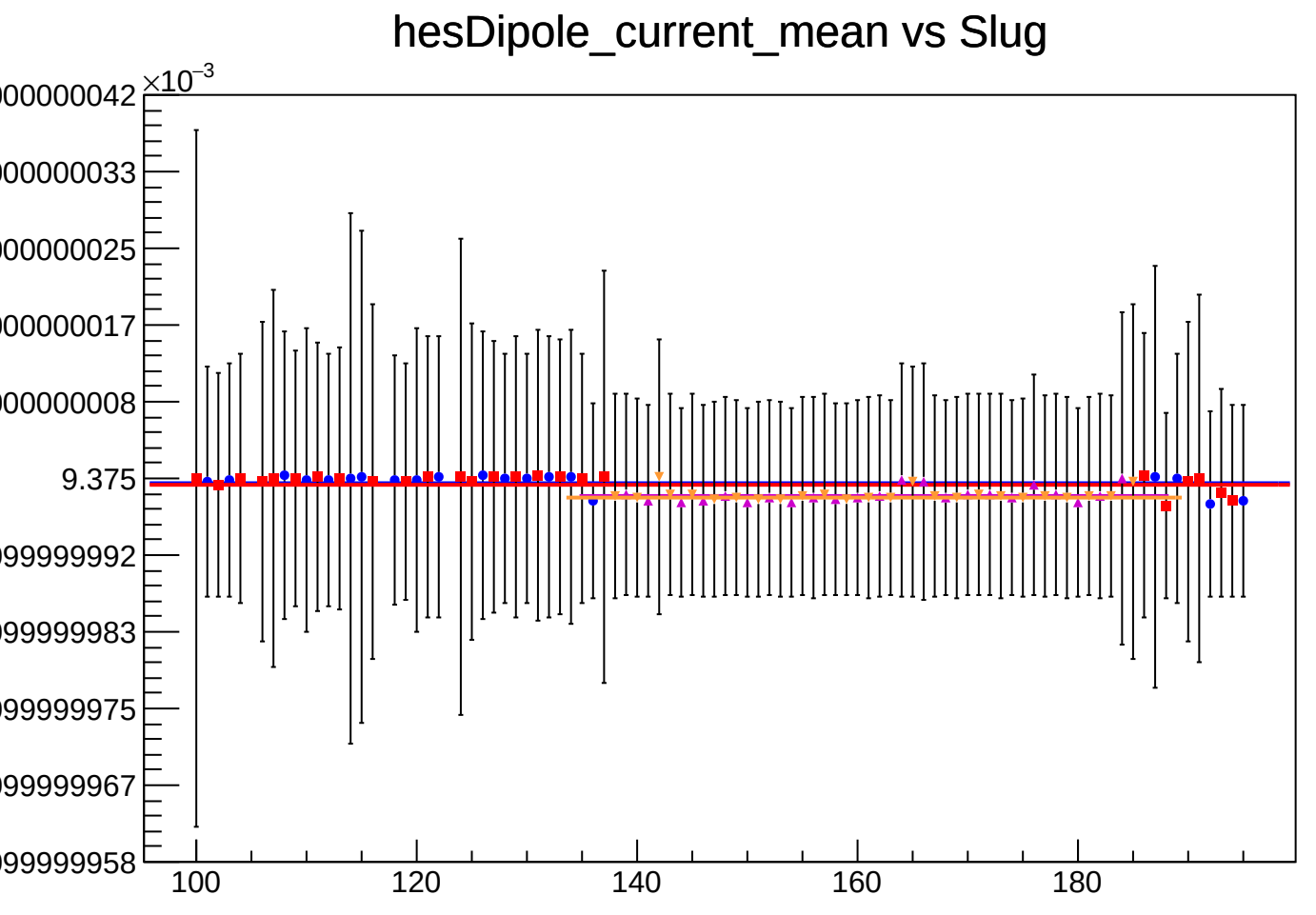
Right Out: 977.757+/-0.000 χ^2/NDF: 20689846443679663929734033571840.0/24

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

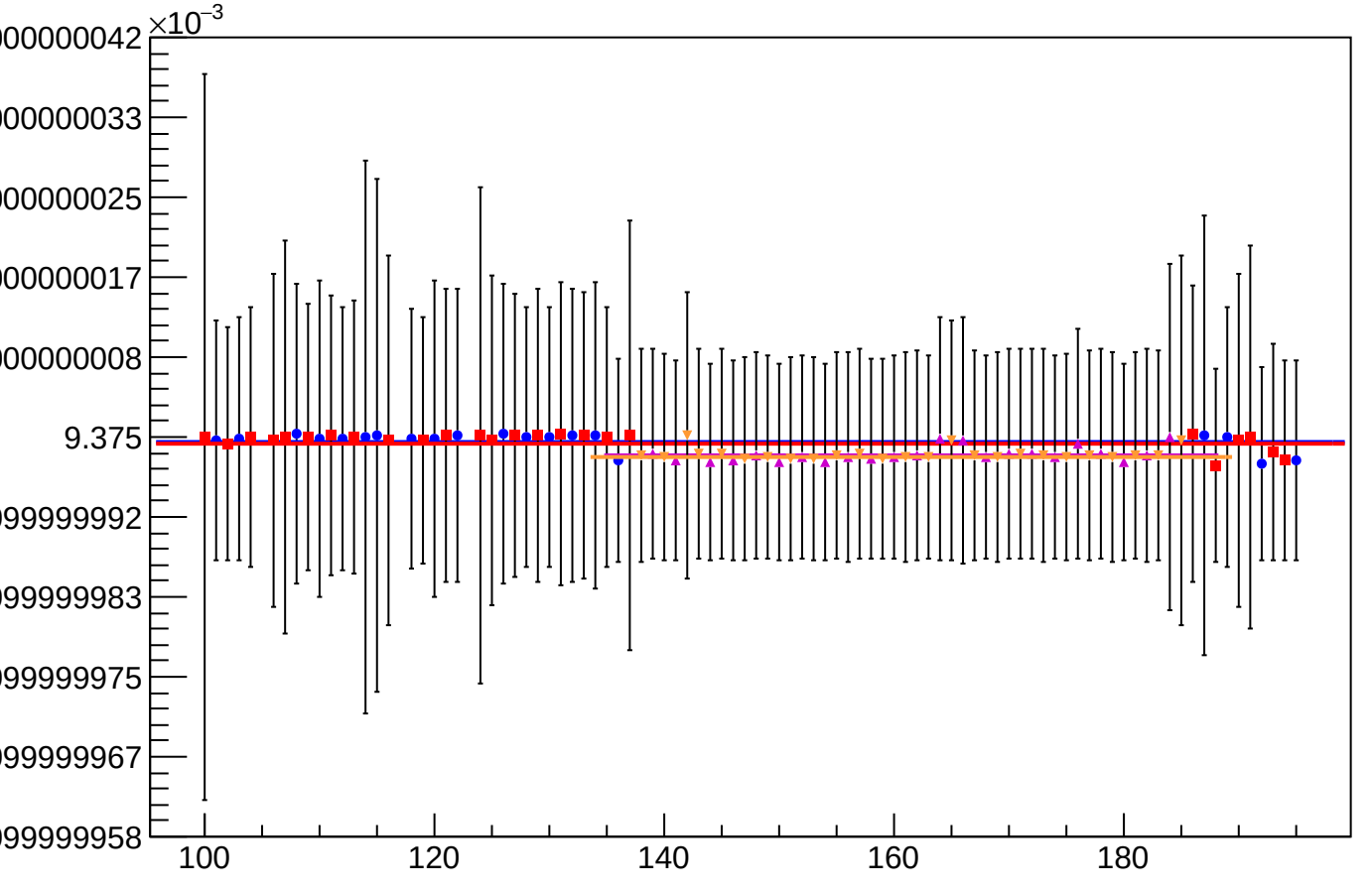
+ sign 977.743+/-0.000 χ^2/NDF: 346787860028368

All: 977.743+/-0.000 χ^2/NDF: 695563937132

- sign 977.743+/-0.000 χ^2/NDF: 348775293079443


hesDipole_current_mean vs Slug
×10⁻³
100
120
140
160
180
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/19
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 0.009+/-0.000 χ²/NDF: 0.1/24
Left In: 0.009+/-0.000 χ²/NDF:0.1/22
+ sign 0.009+/-0.000 χ²/NDF: 0.3/44
All: 0.009+/-0.000 χ²/NDF: 0.7/92
- sign 0.009+/-0.000 χ²/NDF: 0.3/47

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: 0.1/24

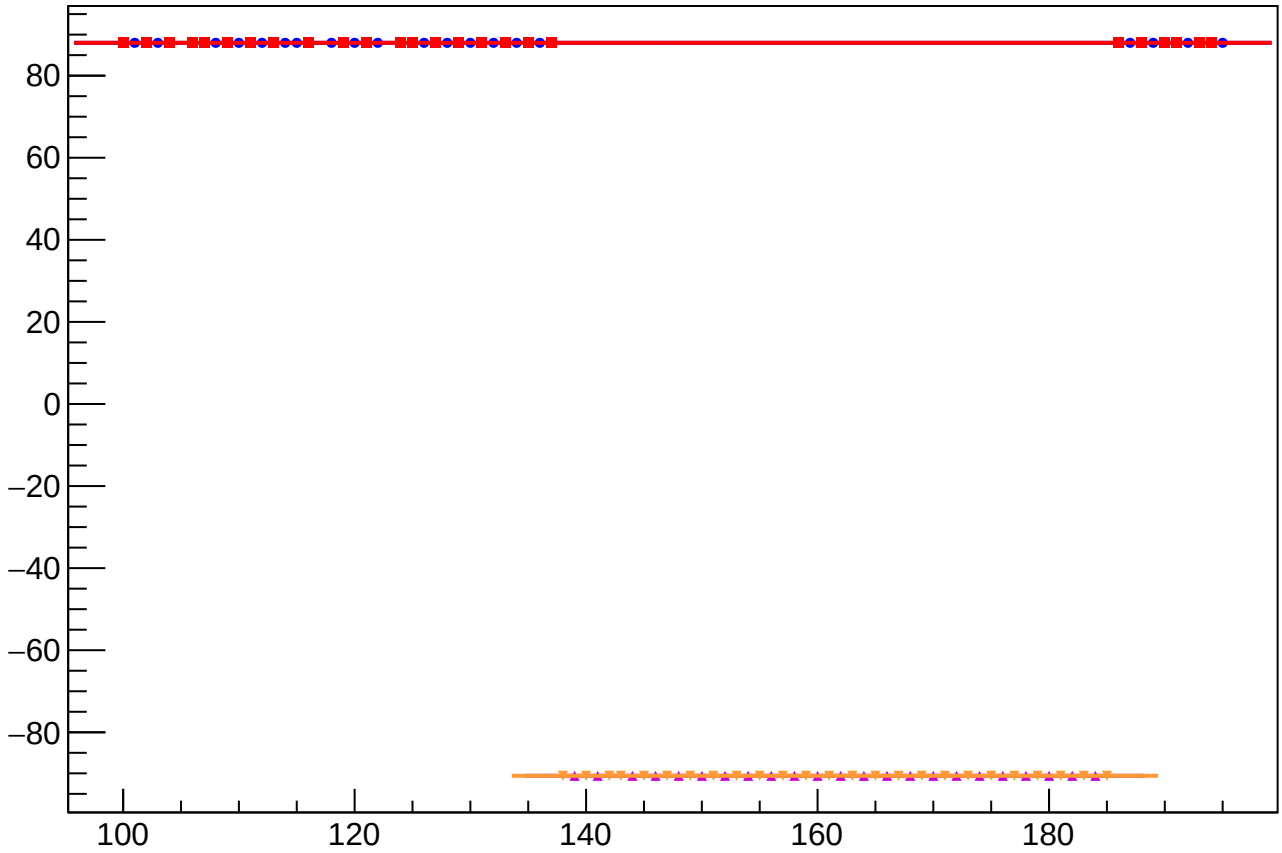
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/92

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 88.003+/-0.000 χ^2/NDF: 75055016864320191425037729792.0/24

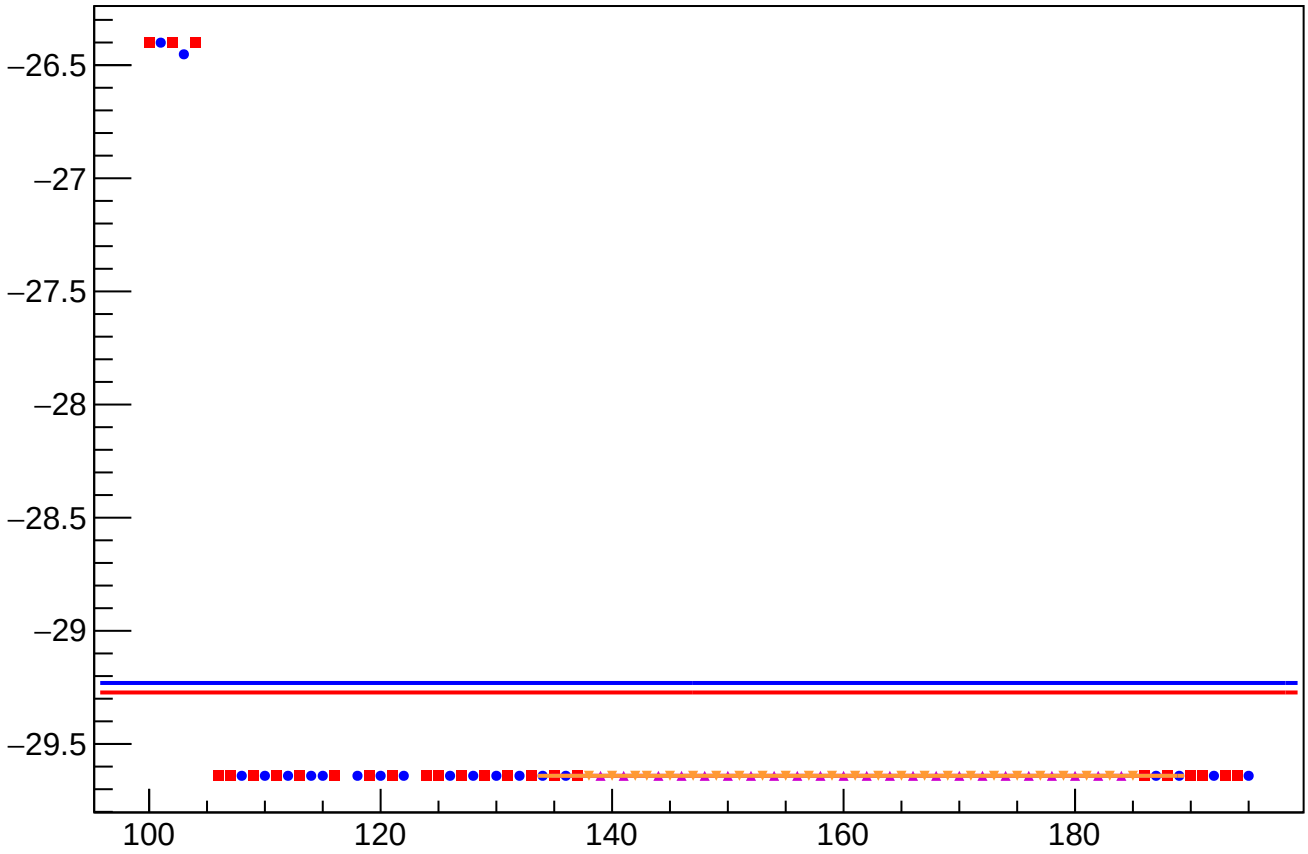
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -31.302+/-0.000 χ^2/NDF: 213714642601257

All: -27.609+/-0.000 χ^2/NDF: 441456961557

- sign -23.939+/-0.000 χ^2/NDF: 2269206857370488

HWienAngle_mean vs Slug



Right In: -29.230+/-0.000 χ^2/NDF: 1154054866258381624367081410527232.0/19

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

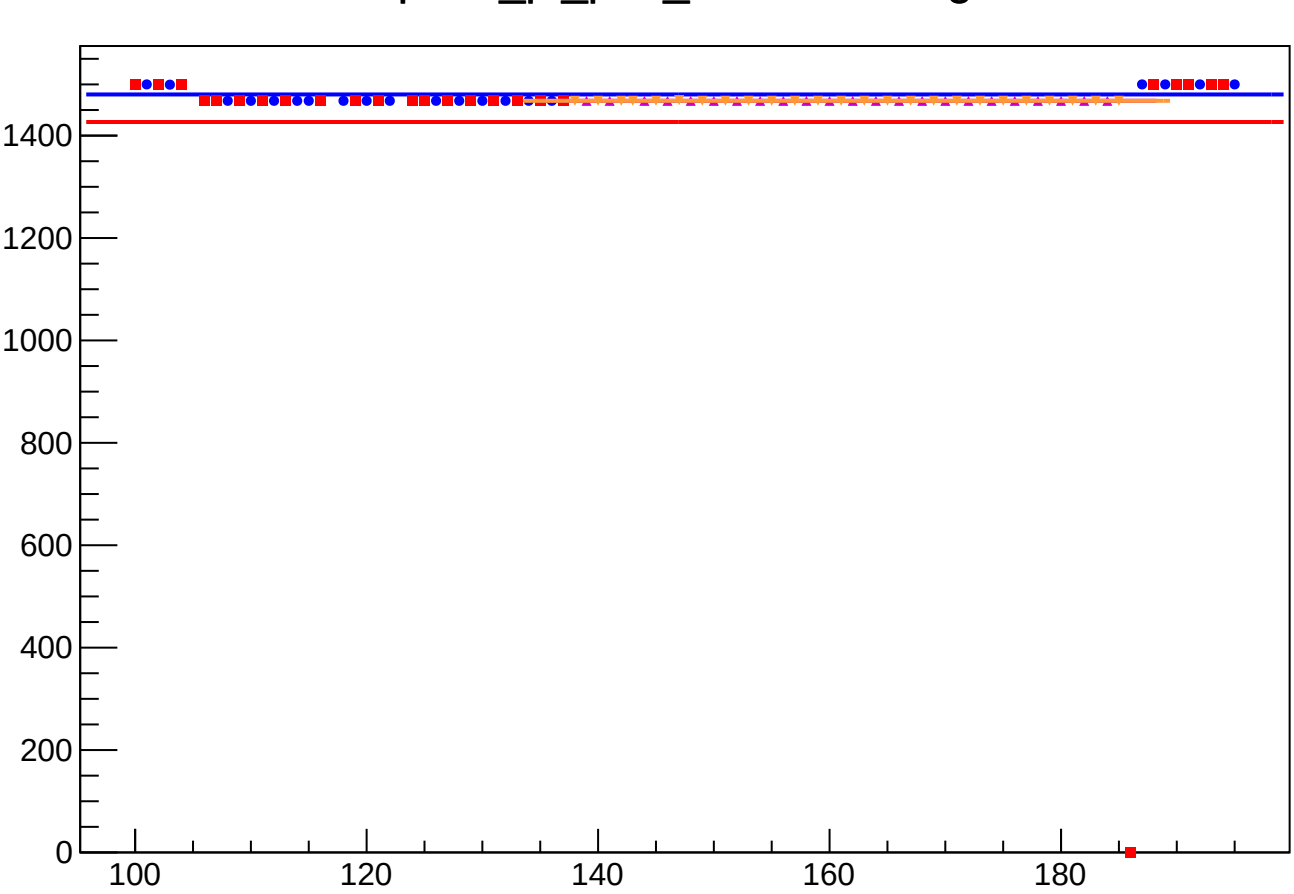
Right Out: -29.272+/-0.000 χ^2/NDF: 120027801092512405970738674558566 4.0/24

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.504+/-0.000 χ^2/NDF: 126681795568165

All: -29.504+/-0.000 χ^2/NDF: 25635655633 1

- sign -29.503+/-0.000 χ^2/NDF: 1296745295889502



Right In: 1480.398+/-0.000 χ^2/NDF: 24316401838970784766213053388685312 0.0/19

+ sign 1472.150+/-0.000 χ^2/NDF: 3454566880855

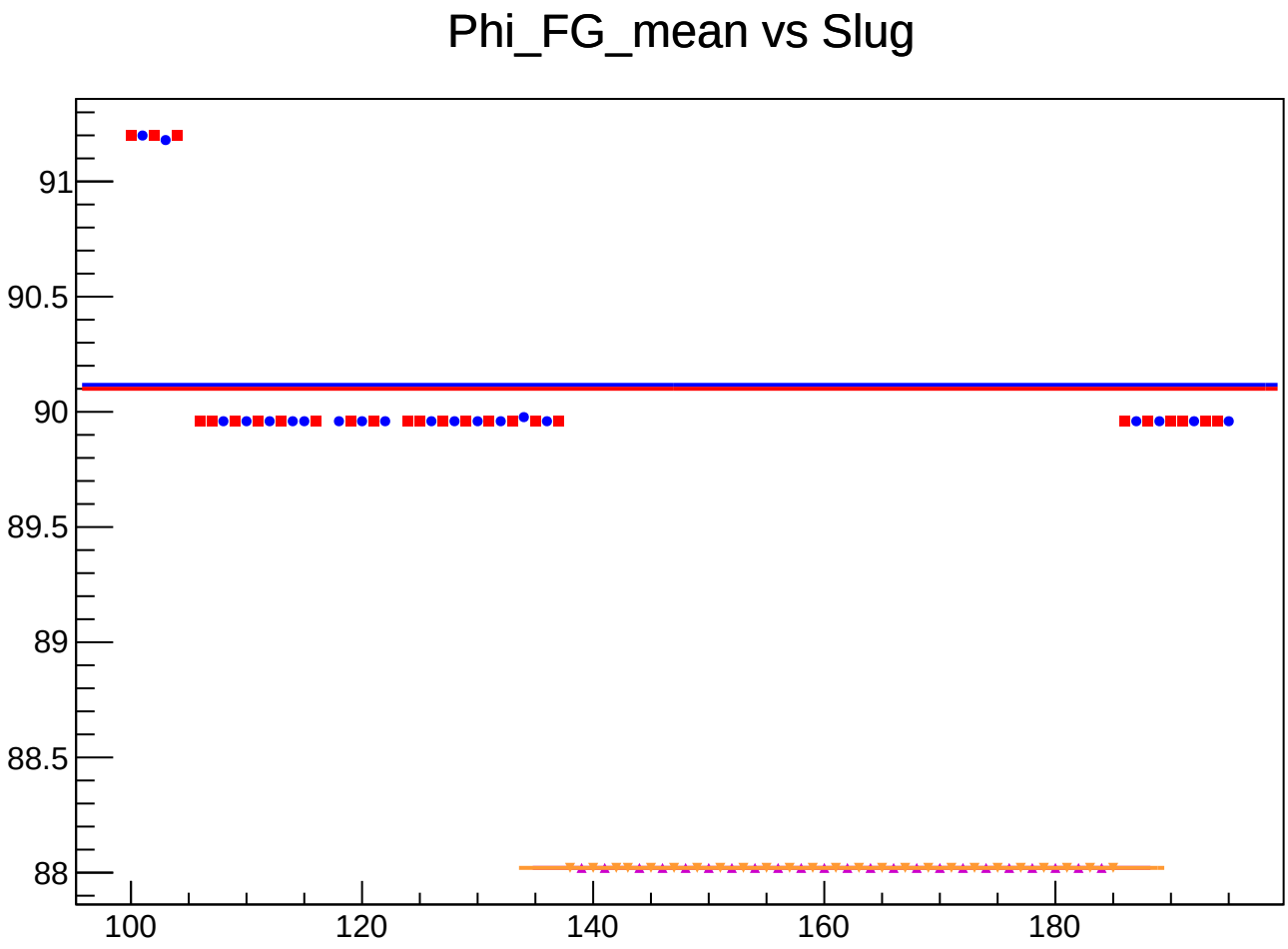
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1462.316+/-0.000 χ^2/NDF: 9118154366

Right Out: 1426.608+/-0.000 χ^2/NDF: 8903525552585935990839235938575030 6816.0/24

- sign 1452.547+/-0.000 χ^2/NDF: 90253711139194

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



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: 90.100+/-0.000 χ^2/NDF: 17580661004407286358100326481920 0.0/24

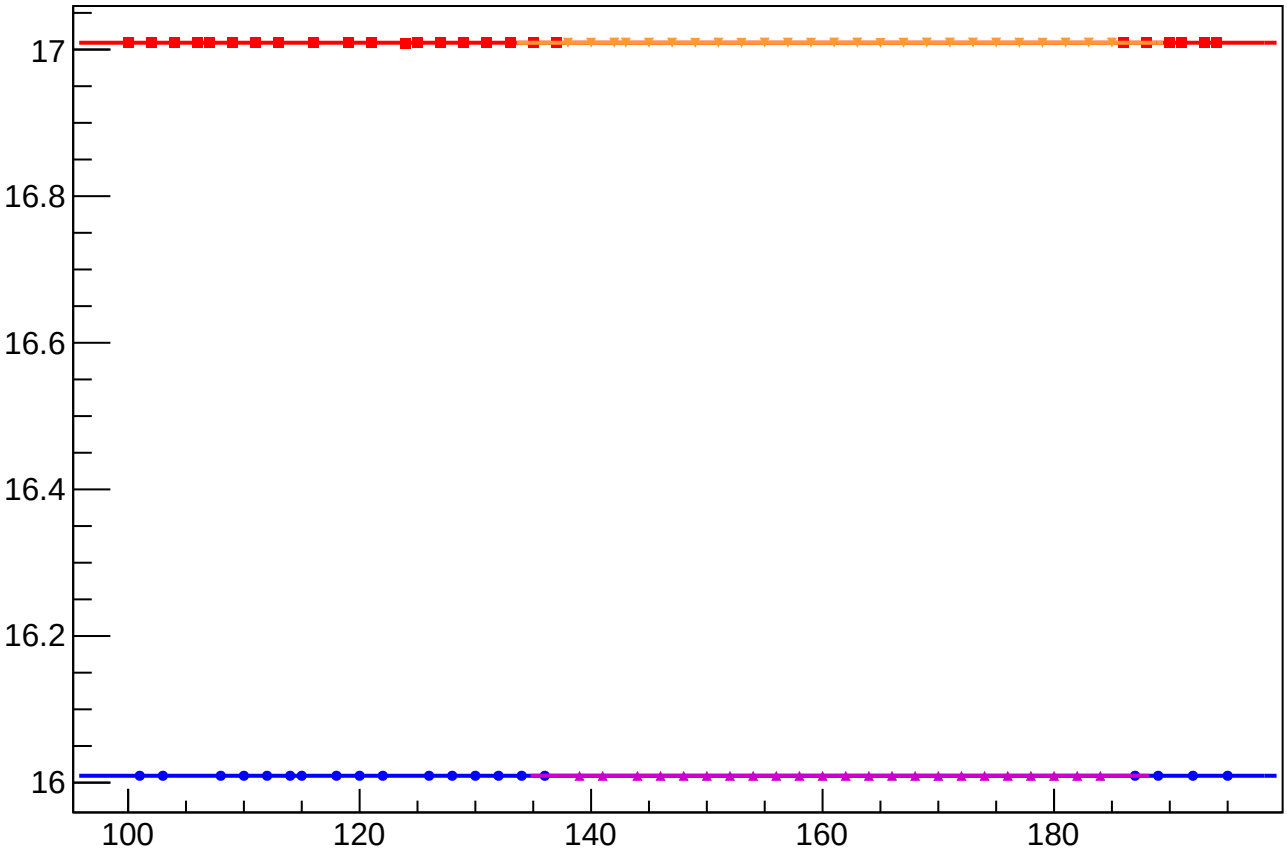
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.717+/-0.000 χ^2/NDF: 3113089313096796

All: 88.757+/-0.000 χ^2/NDF: 6374955044062

- sign 88.797+/-0.000 χ^2/NDF: 3252128280785371

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: 16763528869251482499678208.0/24

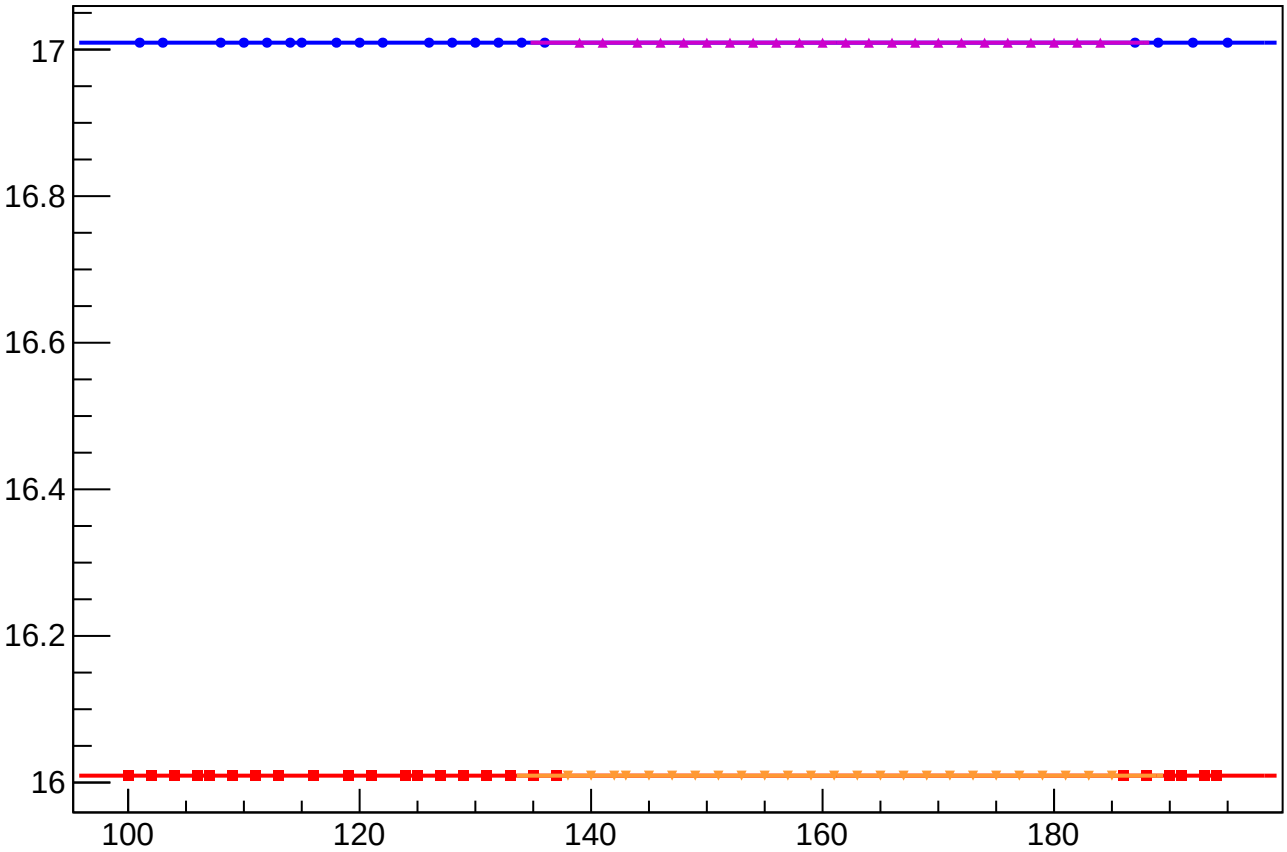
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.669+/-0.000 χ^2/NDF: 6361814003125189

All: 16.527+/-0.000 χ^2/NDF: 1415383688646

- sign 16.385+/-0.000 χ^2/NDF: 6646706470045685

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: 288369.7/24

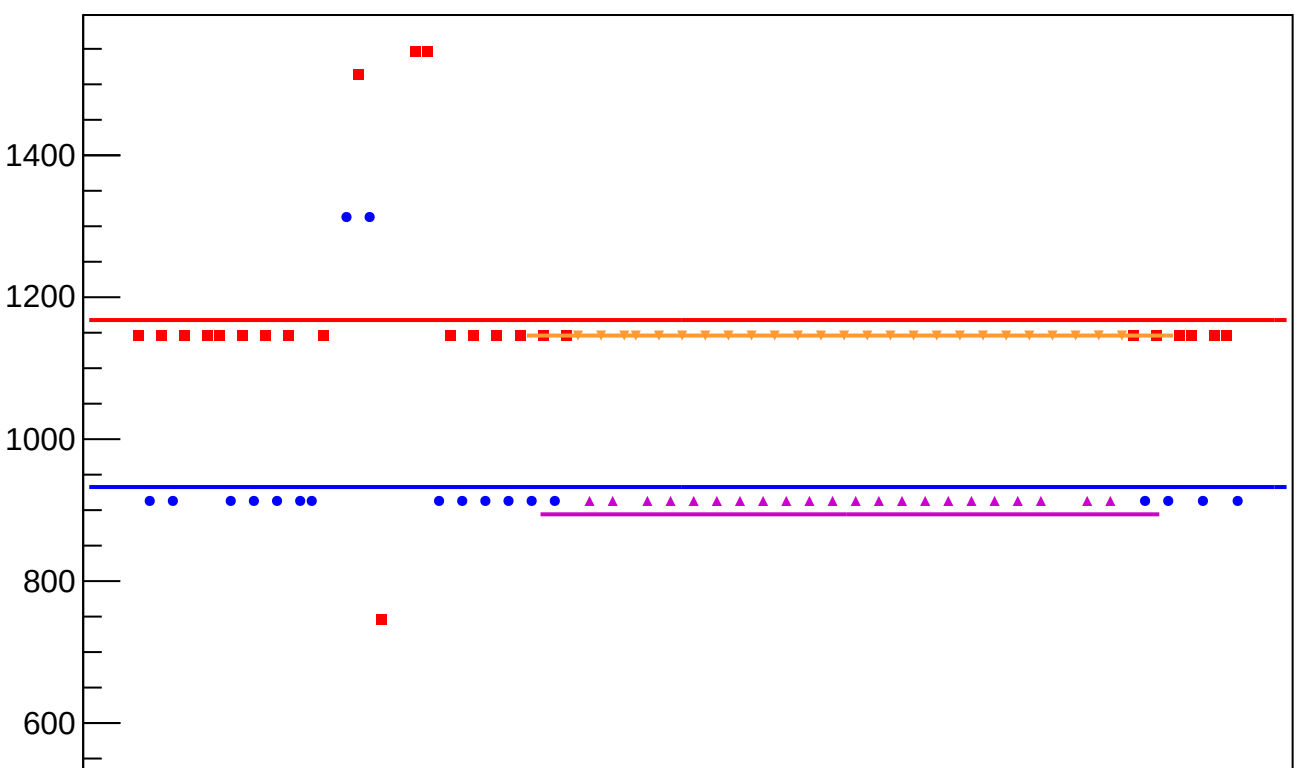
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.337+/-0.000 χ^2/NDF: 6519008070636545

All: 16.485+/-0.000 χ^2/NDF: 1484381032484

- sign 16.631+/-0.000 χ^2/NDF: 7033276267428350

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

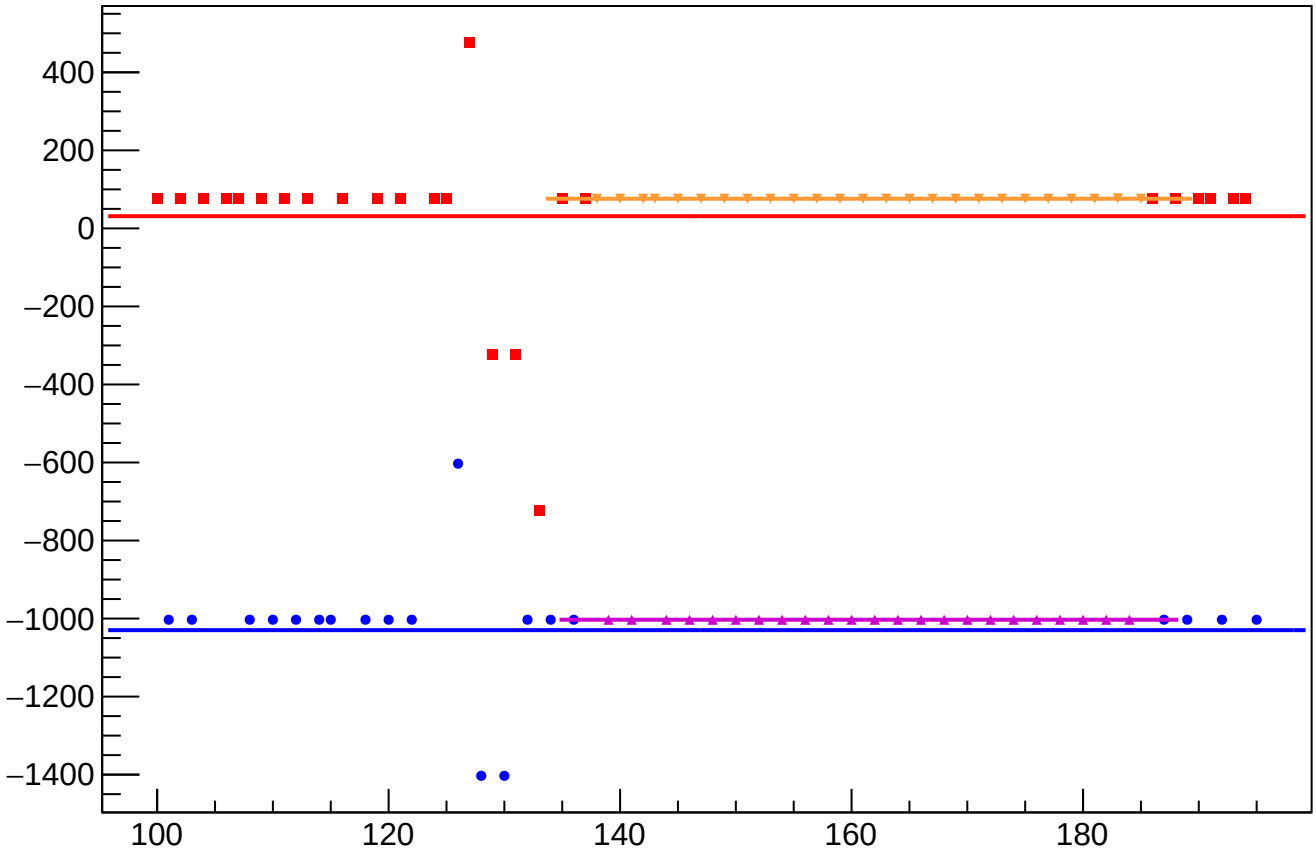
All: 1035.581+/-0.000 χ^2/NDF: 1500017135

Right Out: 1167.860+/-0.000 χ^2/NDF: 22404433956212039587052143584363937792.0/24

- sign 996.281+/-0.000 χ^2/NDF: 888232575888763

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1029.709+/-0.000 χ^2/NDF: 2312355499962134545296652773235884032 0.0/19

+ sign -291.071+/-0.000 χ^2/NDF: 84233272344403

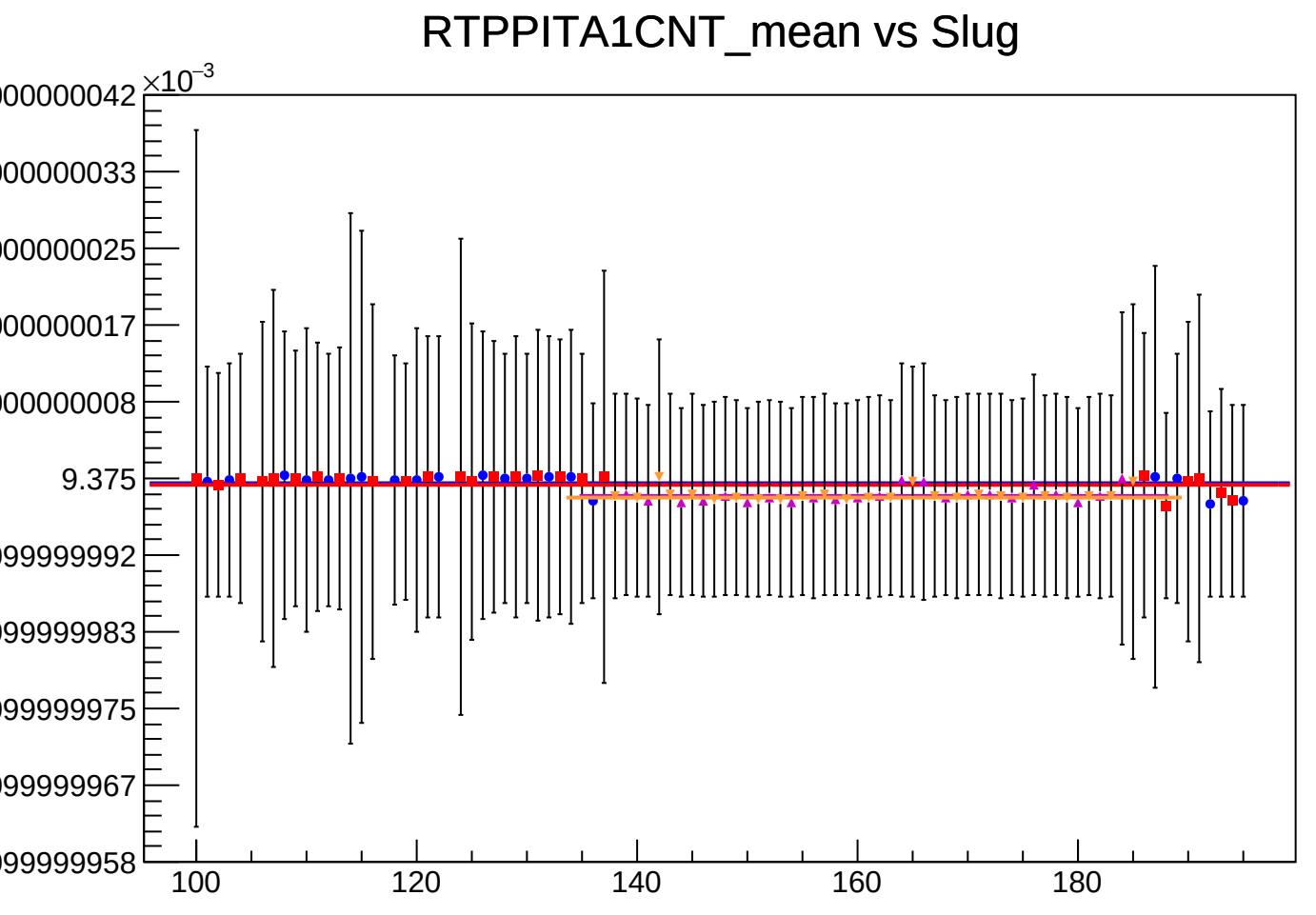
Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

All: -454.561+/-0.000 χ^2/NDF: 1811399746

Right Out: 31.252+/-0.000 χ^2/NDF: 47166040890287338267007890320598761472.0/24

- sign -616.977+/-0.000 χ^2/NDF: 808099968758514

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22



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: 0.1/24

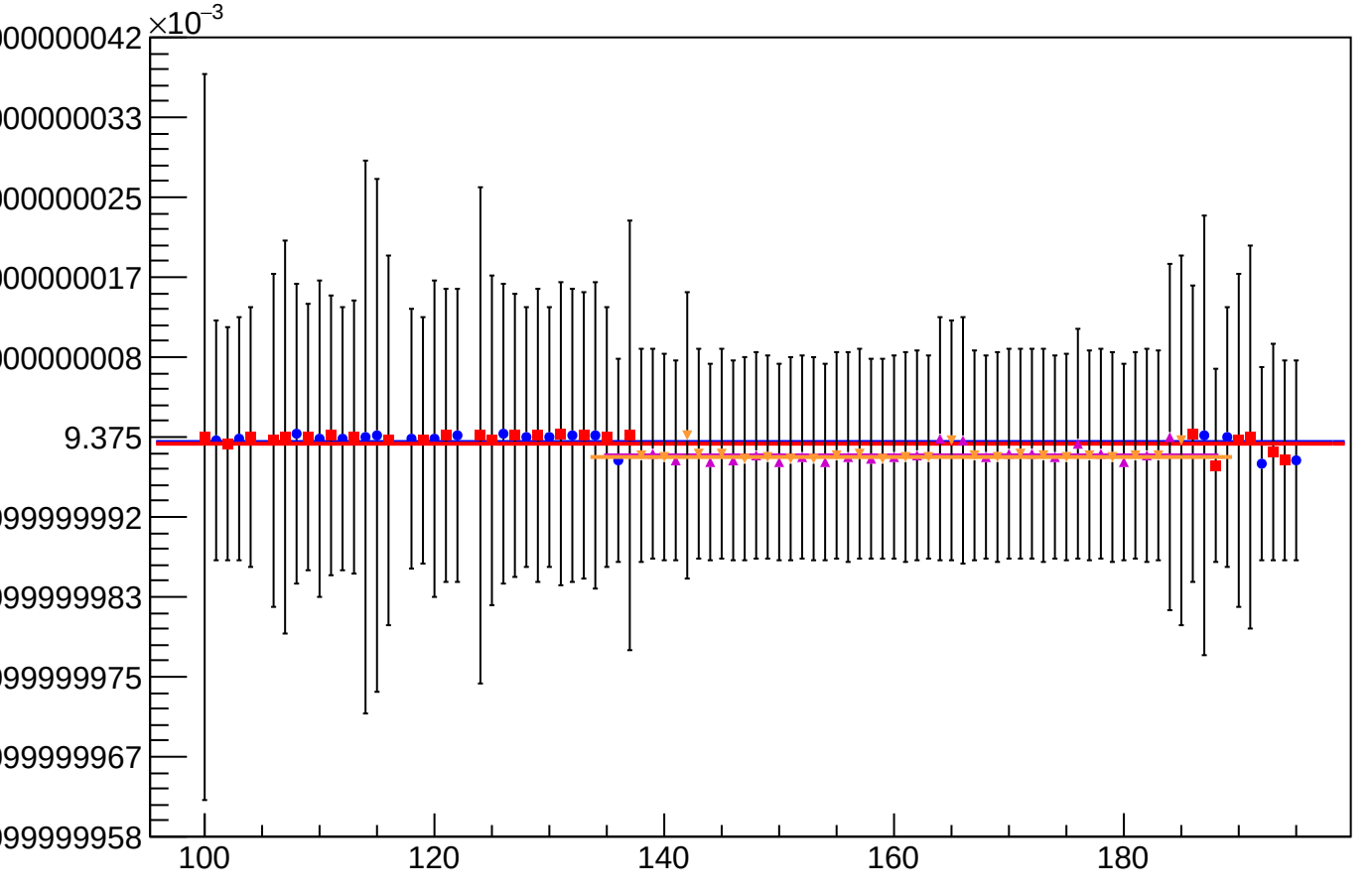
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/44

All: 0.009+/-0.000 χ^2/NDF: 0.7/92

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 0.1/24

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: 0.7/92

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47