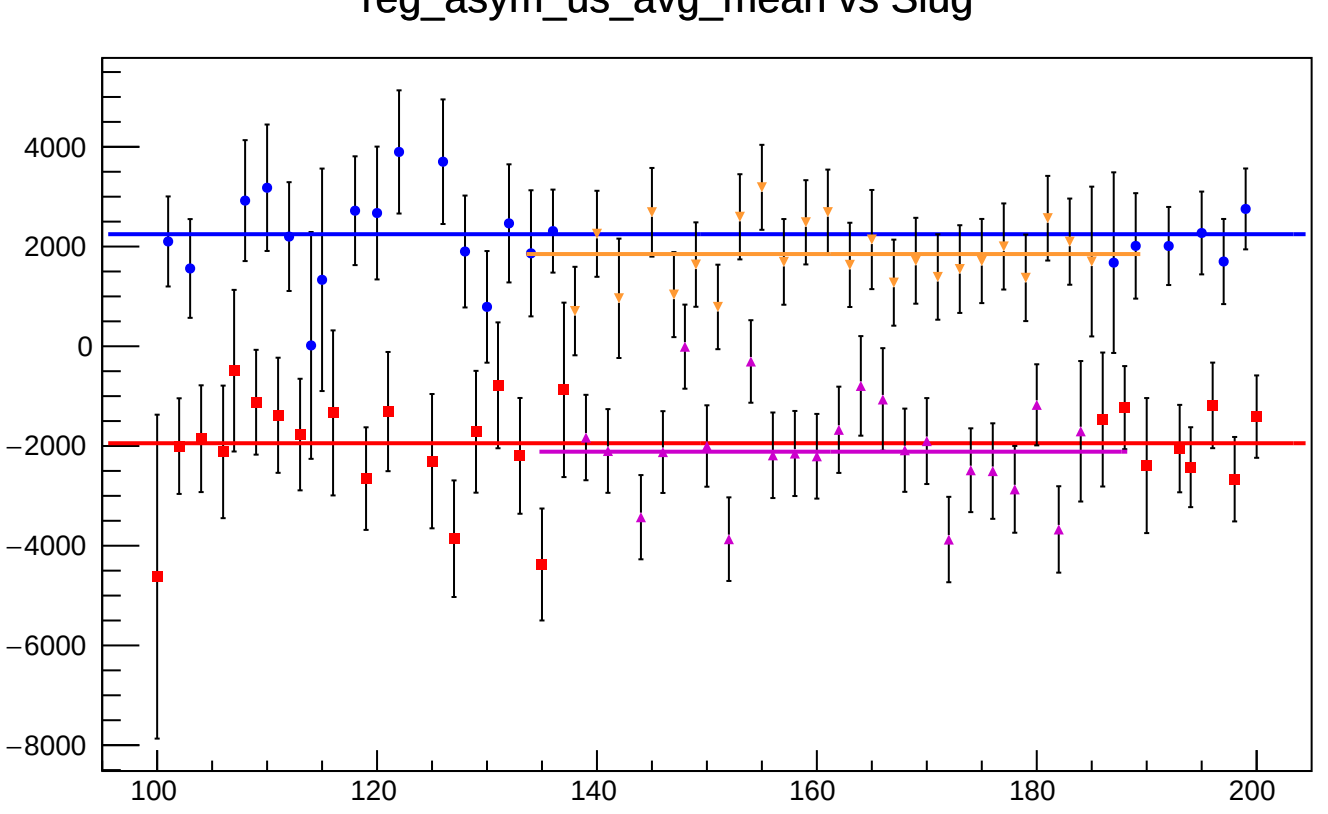


Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

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

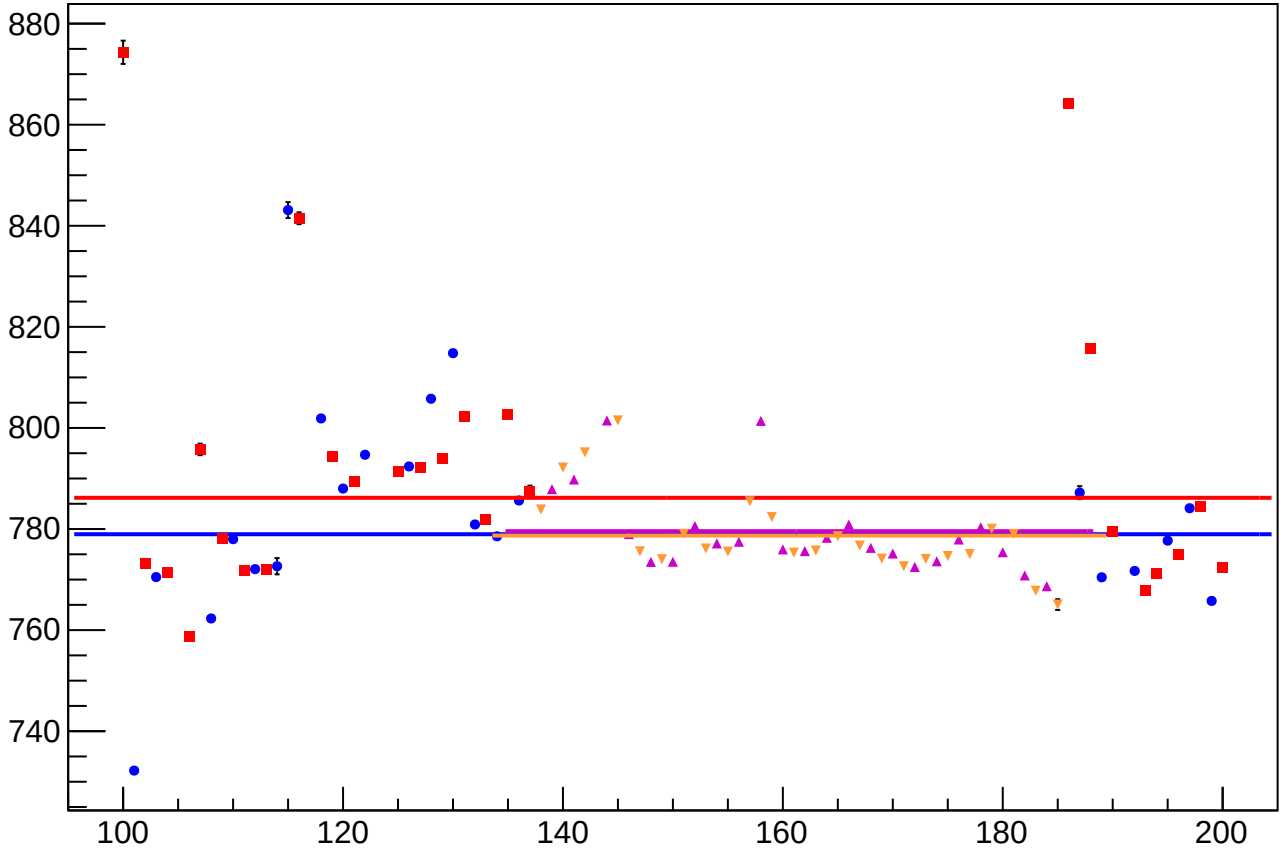
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2002.219+/-141.933 χ^2/NDF: 23.6/45

All: -61.924+/-99.335 χ^2/NDF: 484.9/94

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

reg_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

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

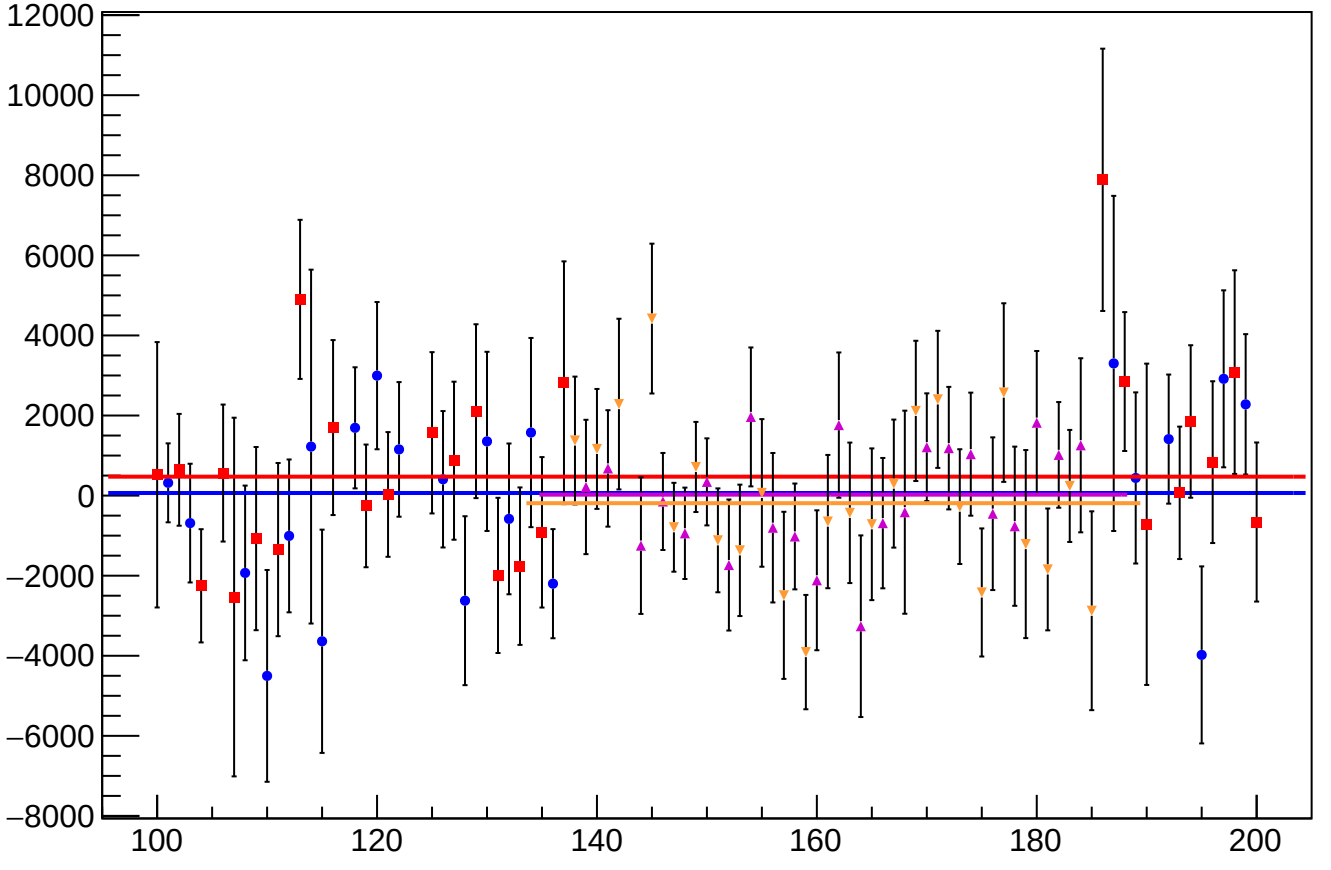
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94

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

asym_us_avg_reg_correction_mean vs Slug



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

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

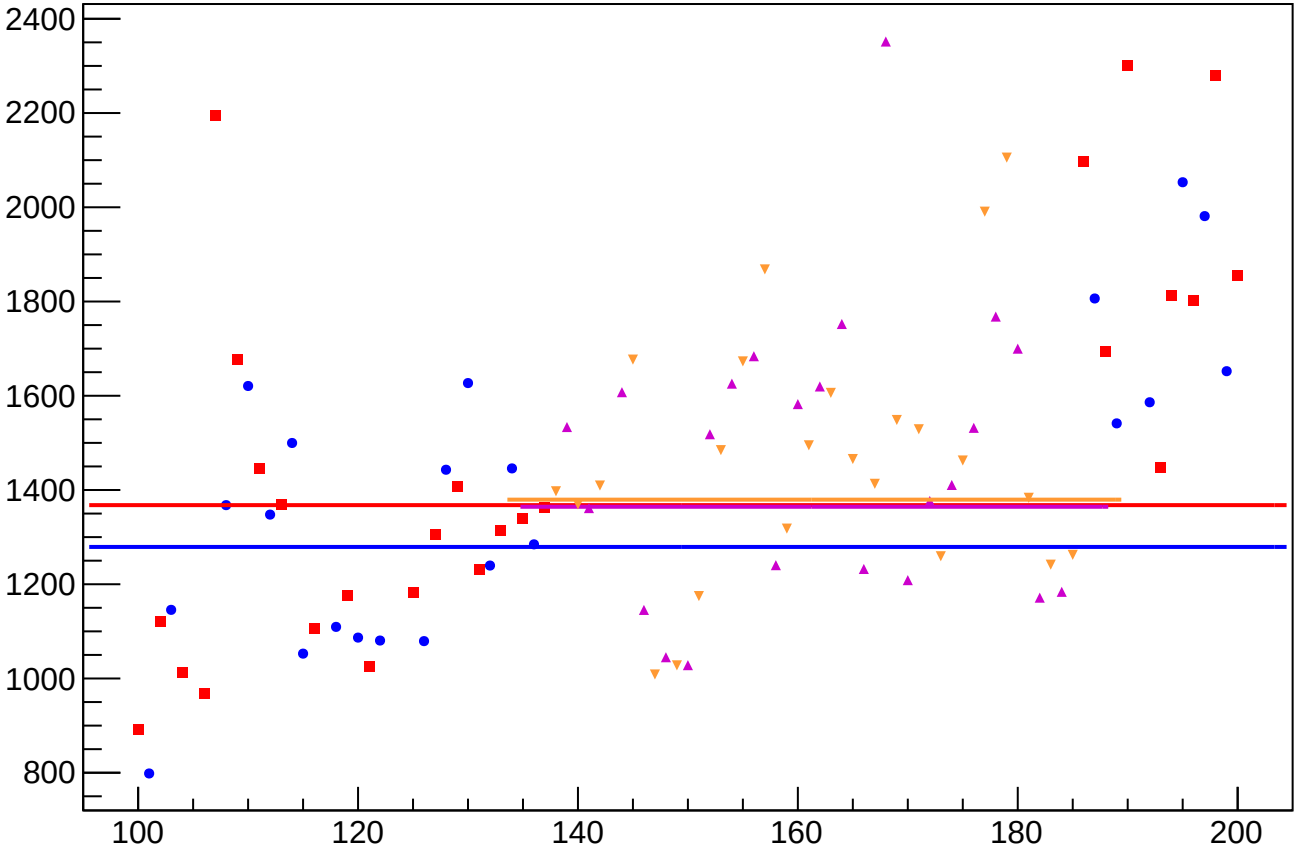
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 63.317+/-177.071 χ^2/NDF: 93.4/94

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

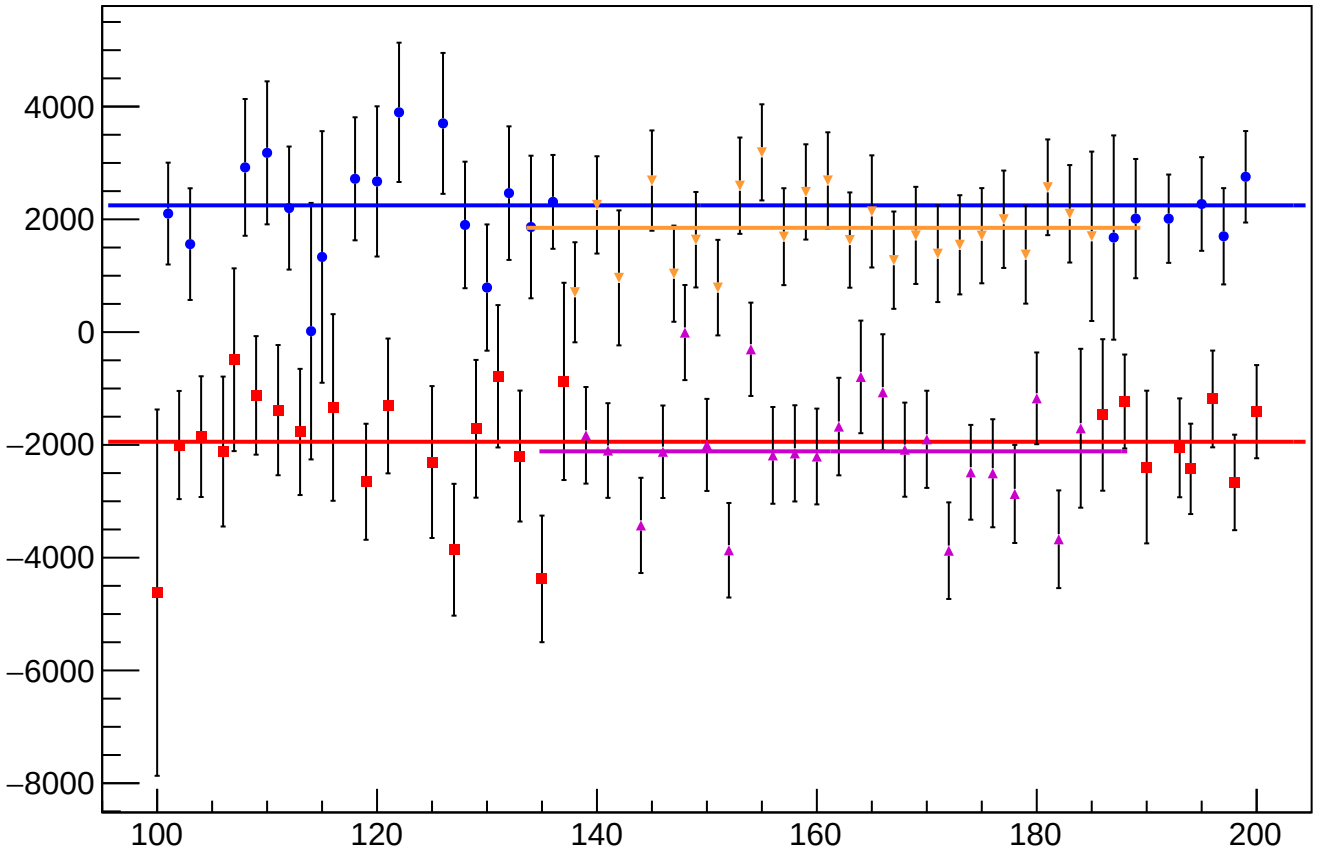
Right Out: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94

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



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

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

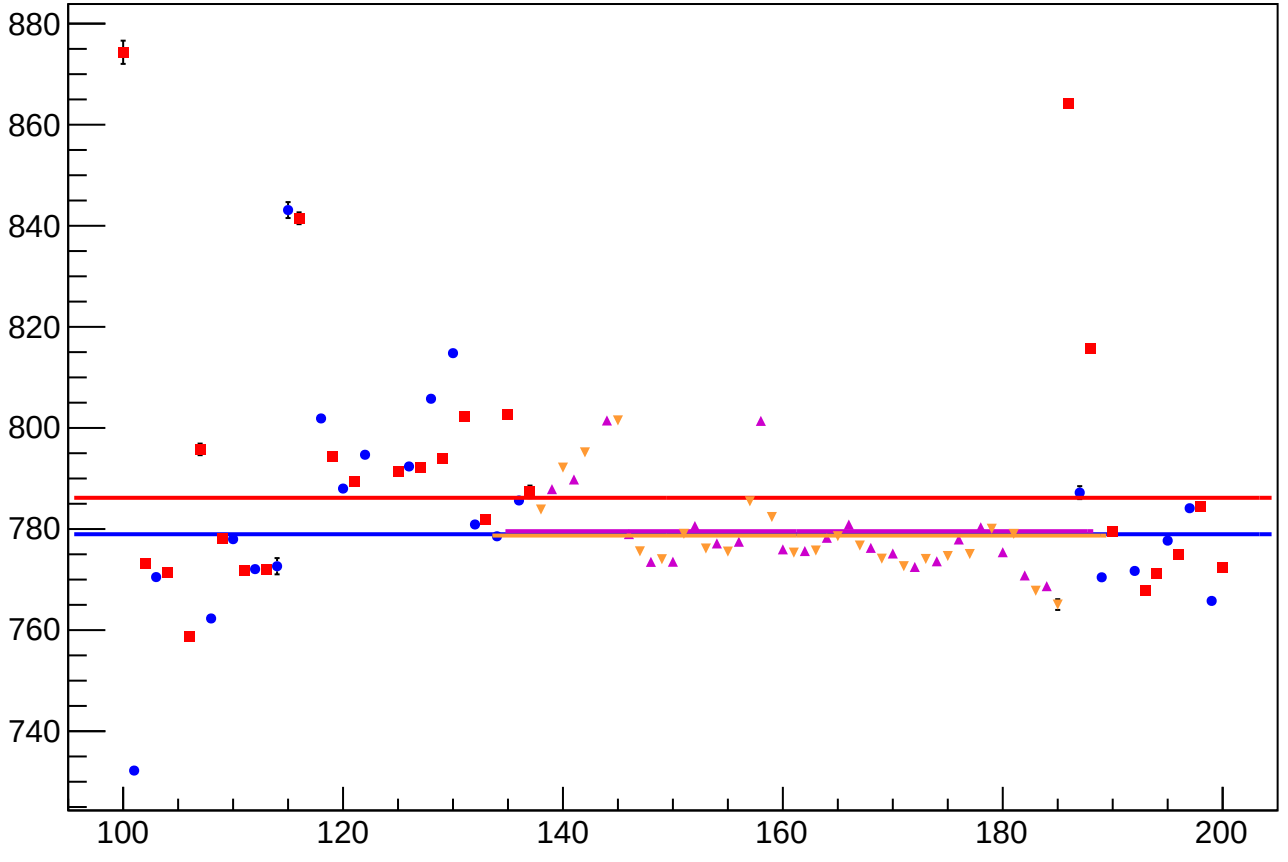
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2002.219+/-141.933 χ^2/NDF: 23.6/45

All: -61.924+/-99.335 χ^2/NDF: 484.9/94

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

cor_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

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

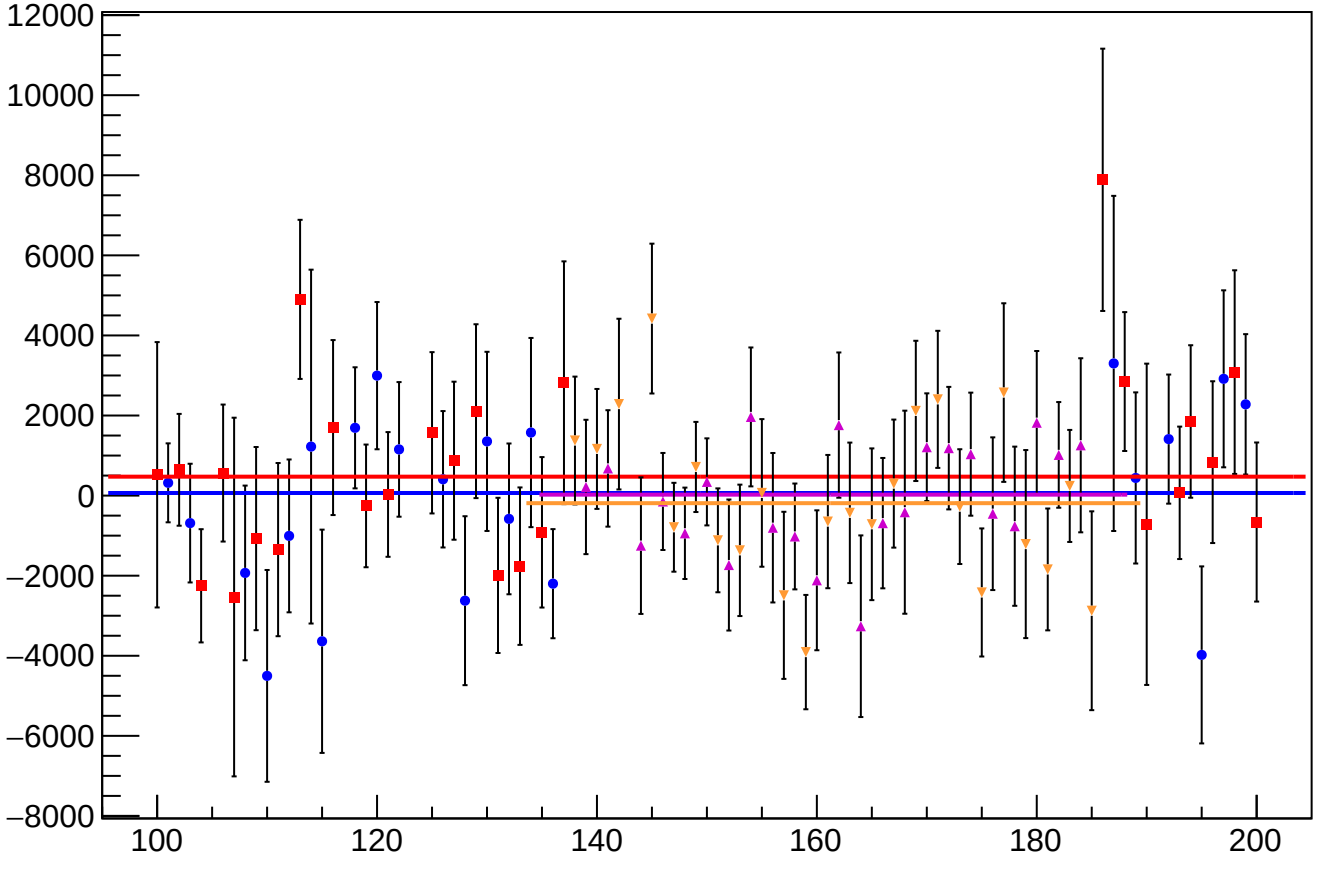
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94

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

asym_us_avg_cor_correction_mean vs Slug



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

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

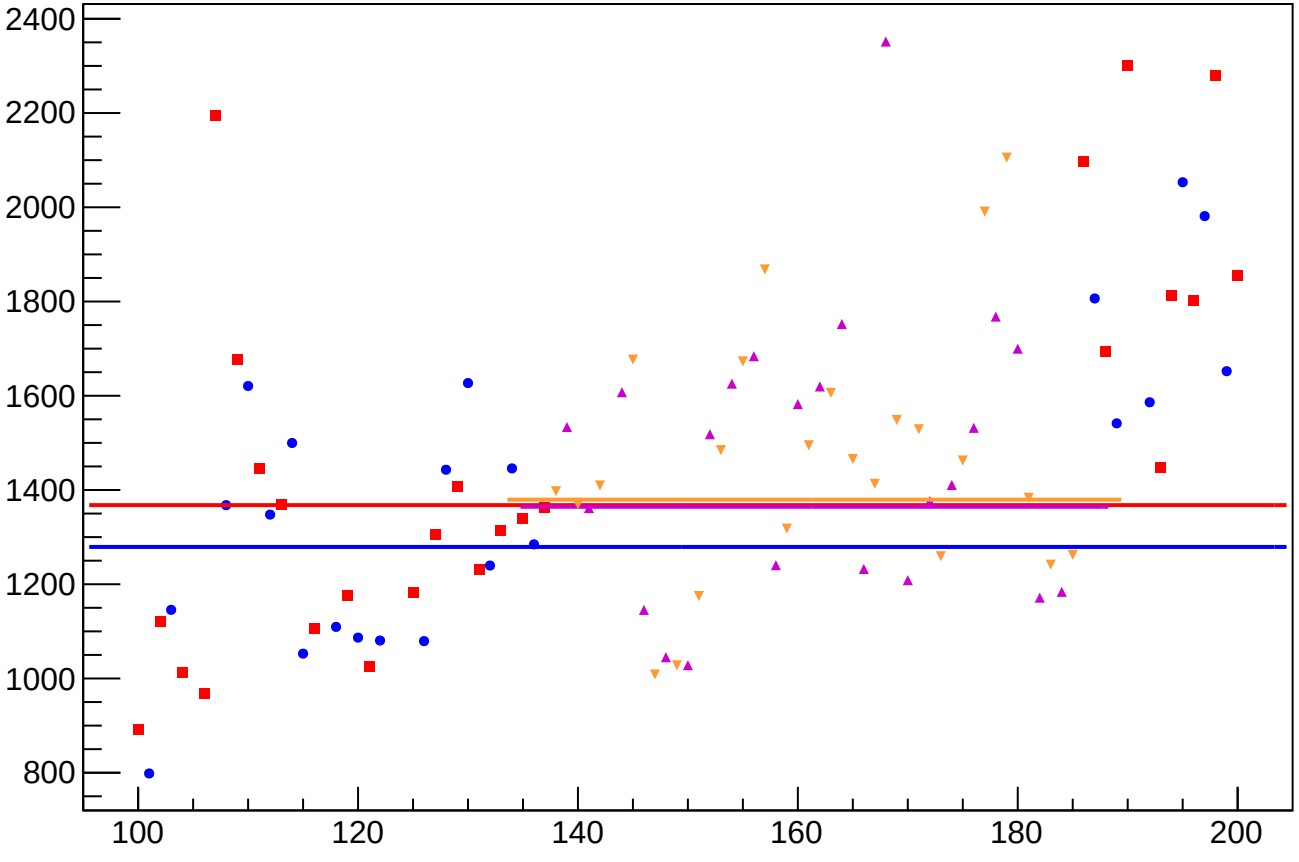
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 63.317+/-177.071 χ^2/NDF: 93.4/94

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

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

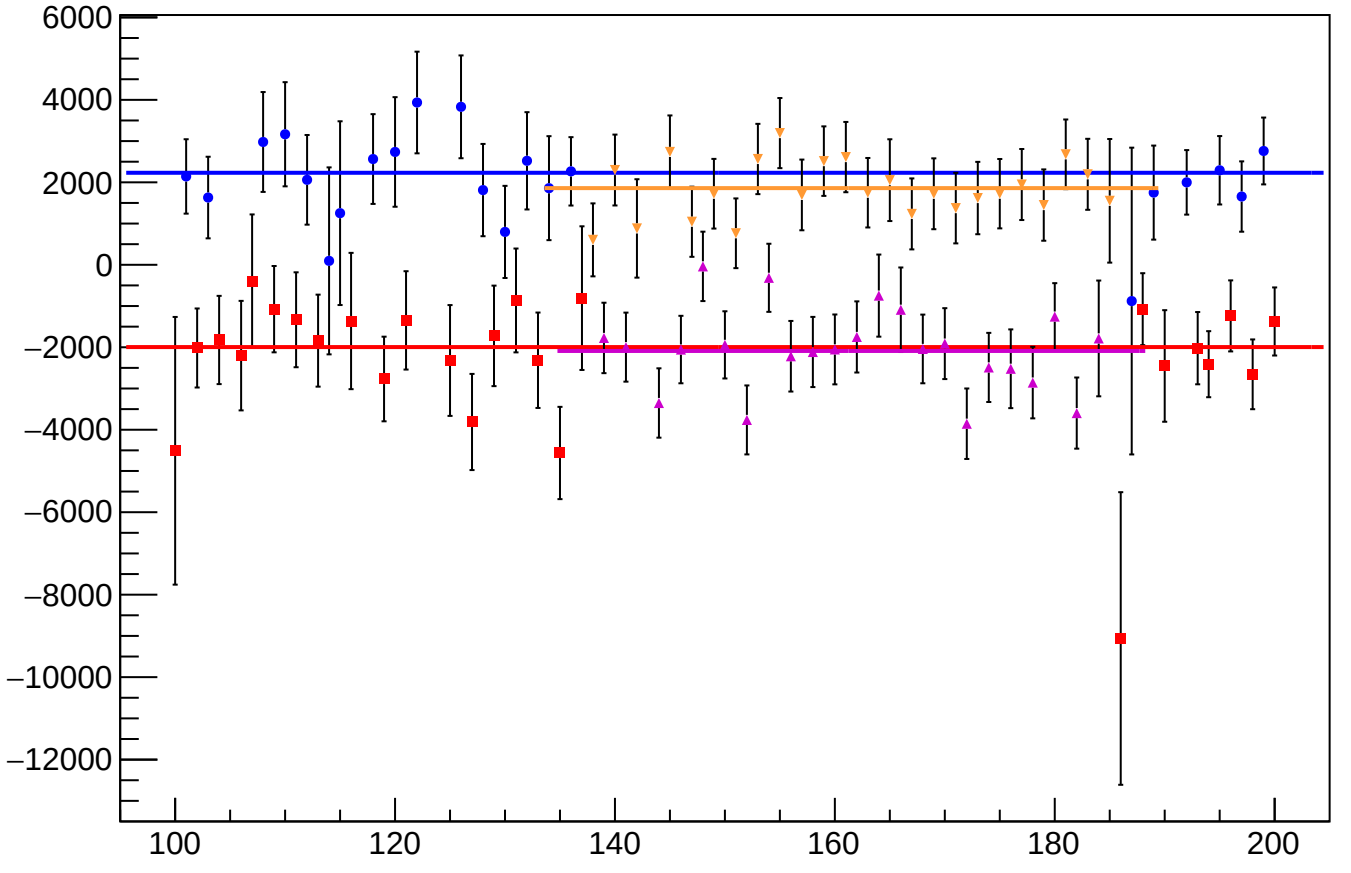
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2231.566+/-231.005 χ^2/NDF: 10.0/21

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

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

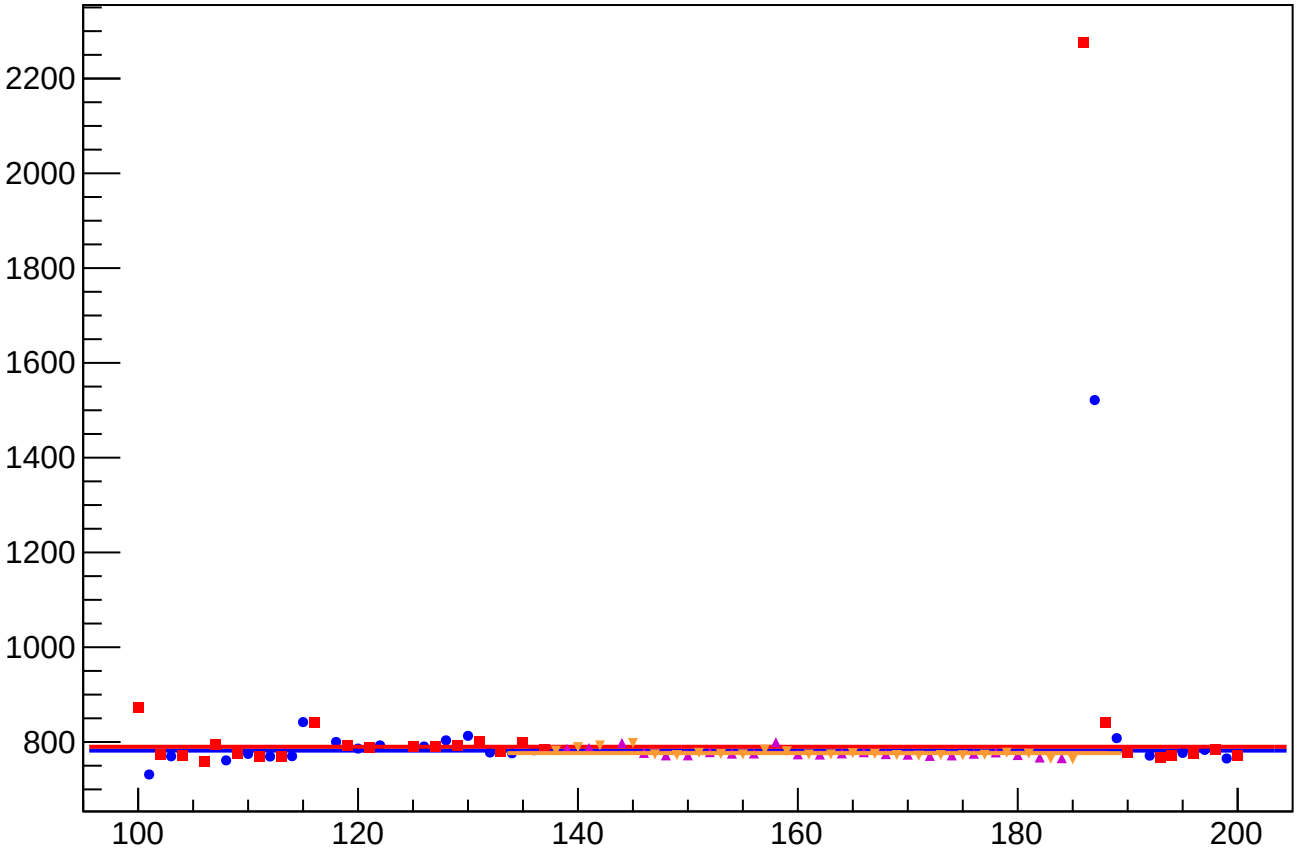
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2000.302+/-142.098 χ^2/NDF: 25.1/45

All: -61.574+/-99.576 χ^2/NDF: 488.9/94

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 781.870+/-0.163 χ^2/NDF: 93606.9/21

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

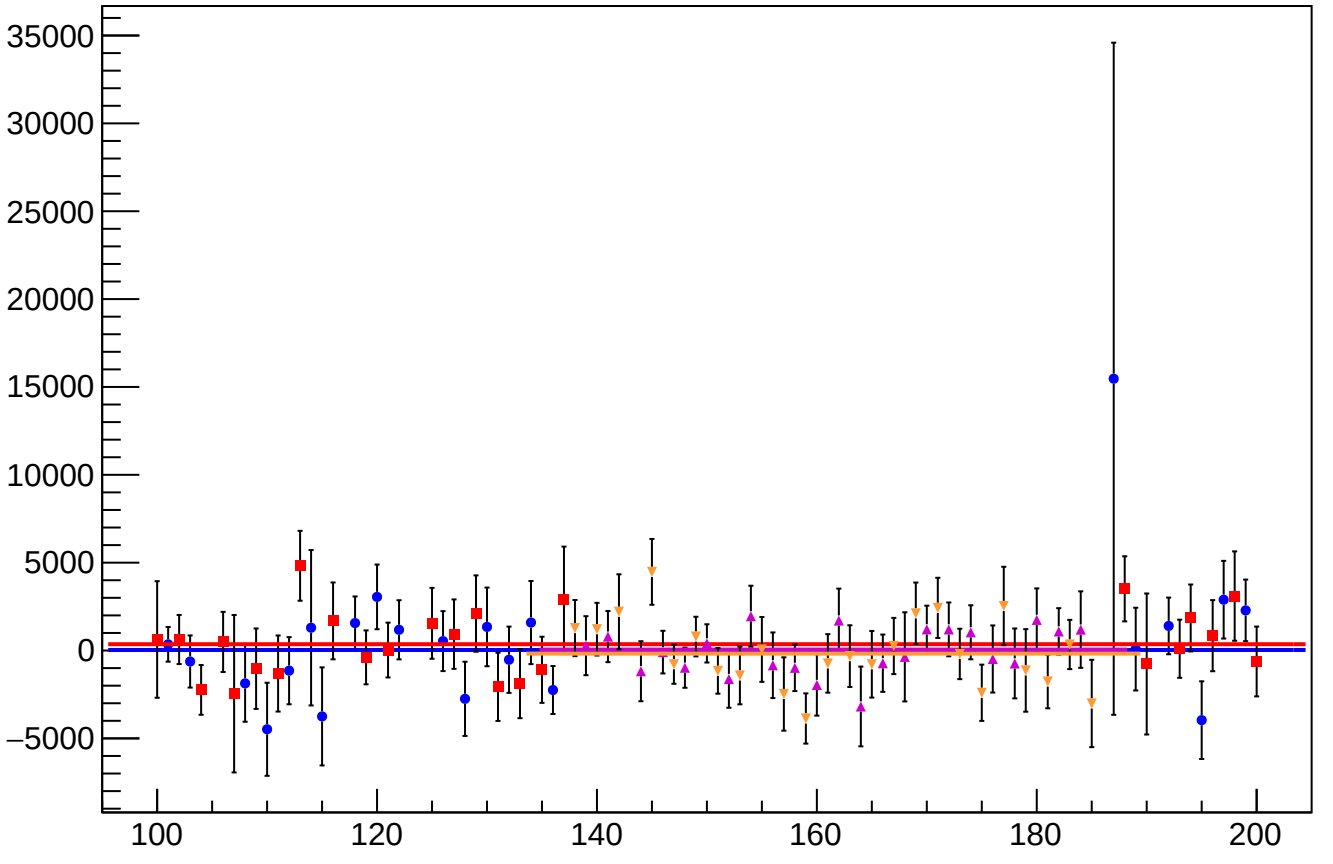
Right Out: 789.966+/-0.154 χ^2/NDF: 369839.5/25

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

+ sign 778.546+/-0.100 χ^2/NDF: 97410.1/45

All: 780.581+/-0.070 χ^2/NDF: 476026.9/94

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



Right In: 31.718+/-394.078 χ^2/NDF: 23.9/21

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

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

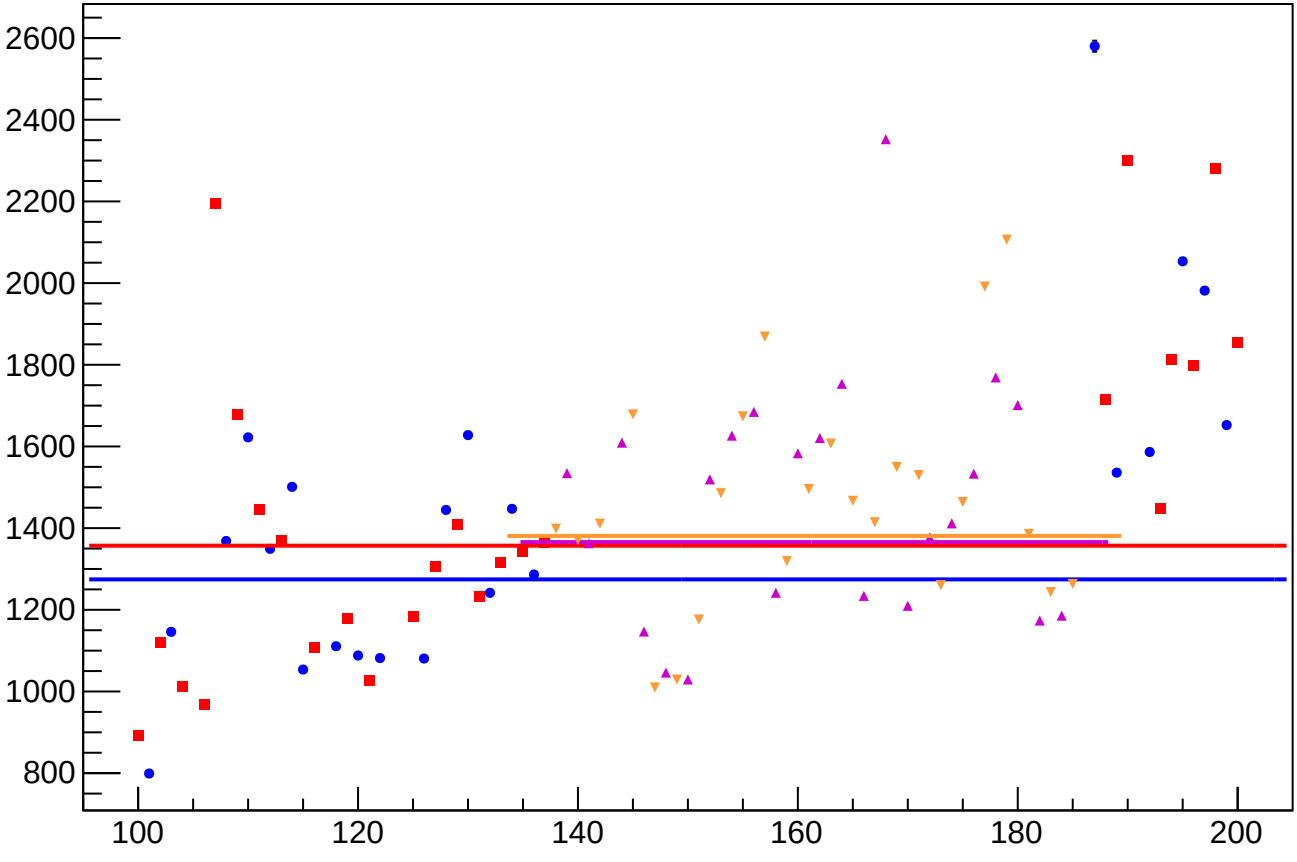
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

\+ sign -90.363+/-252.098 χ^2/NDF: 53.7/45

All: 44.517+/-177.864 χ^2/NDF: 88.3/93

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

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1274.500+/-0.279 χ^2/NDF: 1362924.5/21

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

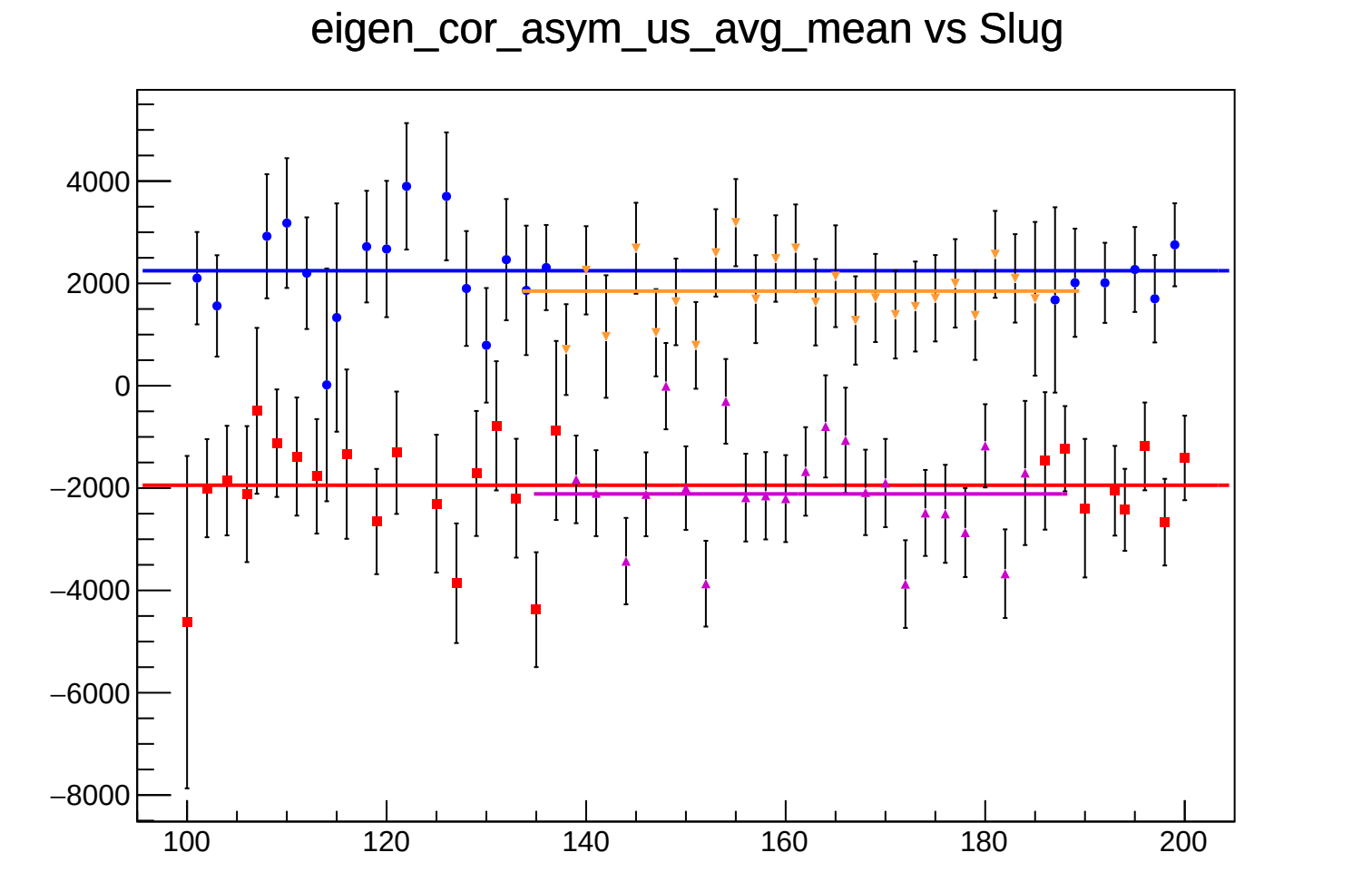
Right Out: 1357.009+/-0.278 χ^2/NDF: 1389803.1/24

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

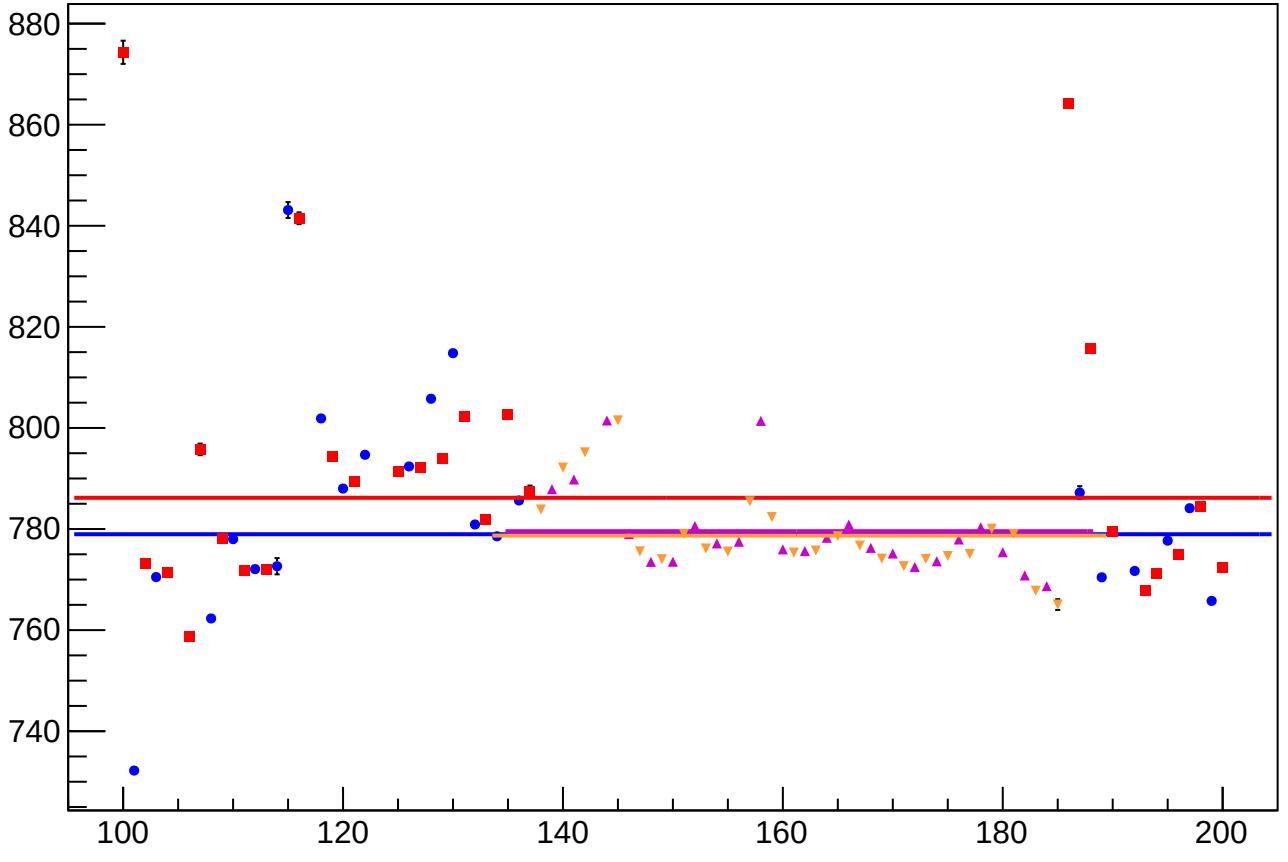
\+ sign 1337.388+/-0.178 χ^2/NDF: 2604577.9/45

All: 1349.860+/-0.126 χ^2/NDF: 5313584.8/93

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


eigen_cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 2247.769+/-229.249 χ²/NDF: 8.9/21
Left Out: 1849.592+/-180.739 χ²/NDF:12.8/23
Right Out: -1944.485+/-215.551 χ²/NDF: 15.3/25
Left In: -2114.442+/-182.028 χ²/NDF:31.1/22
+ sign 2002.219+/-141.933 χ²/NDF: 23.6/45
All: -61.924+/-99.335 χ²/NDF: 484.9/94
- sign -2043.693+/-139.073 χ²/NDF: 46.7/48

eigen_cor_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

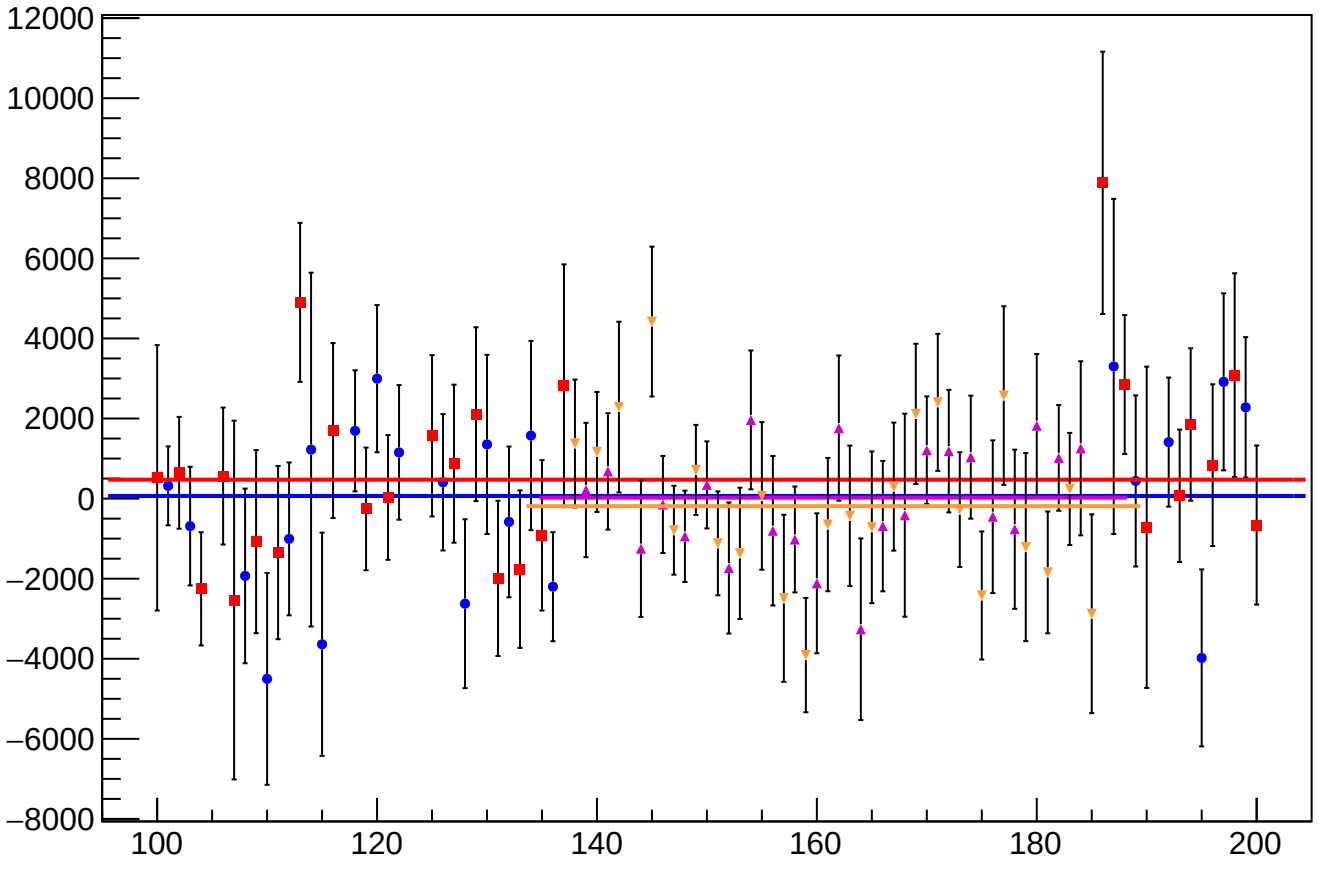
Right Out: 786.180+/-0.152 χ^2/NDF: 19024.0/25

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

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94

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



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

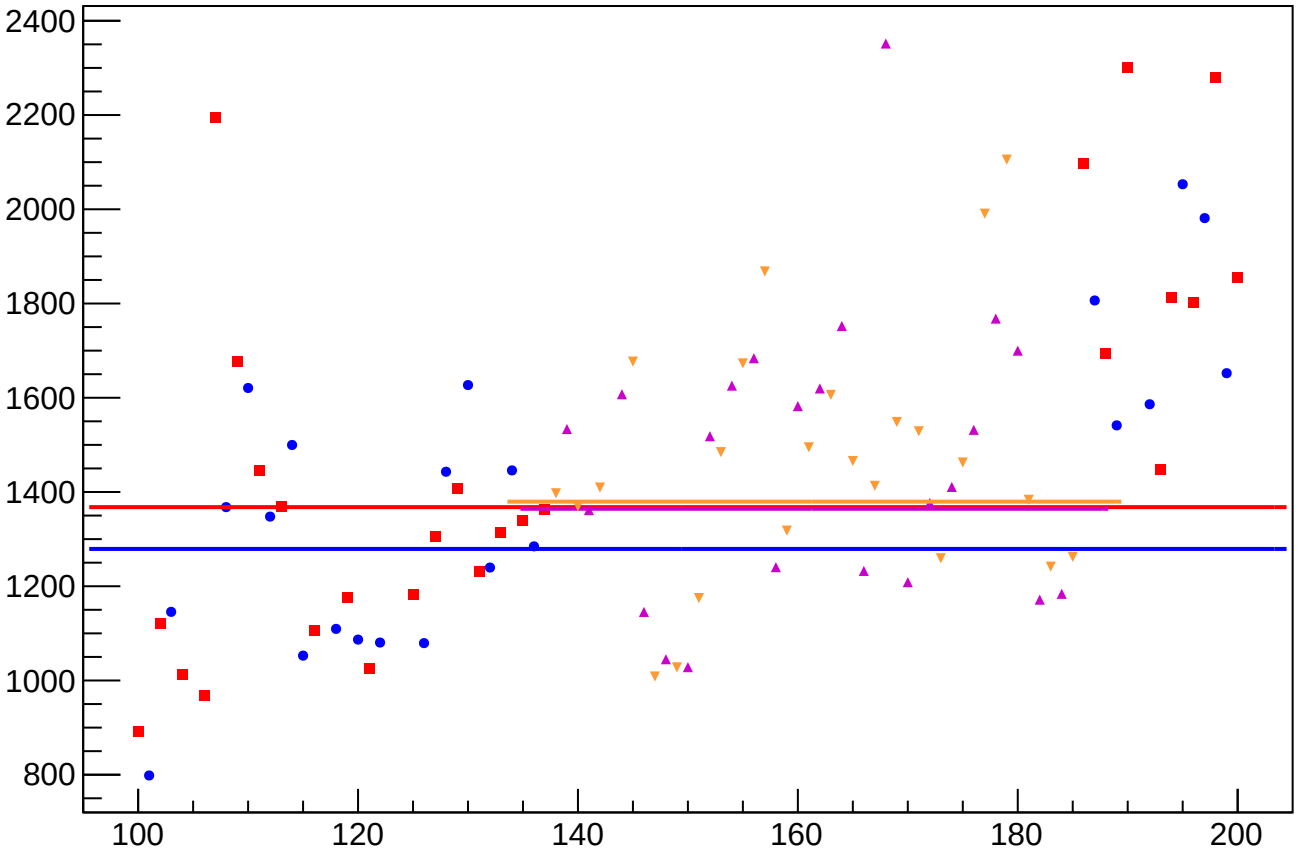
Right Out: 472.919+/-388.759 χ^2/NDF: 25.0/25

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

+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 63.317+/-177.071 χ^2/NDF: 93.4/94

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



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

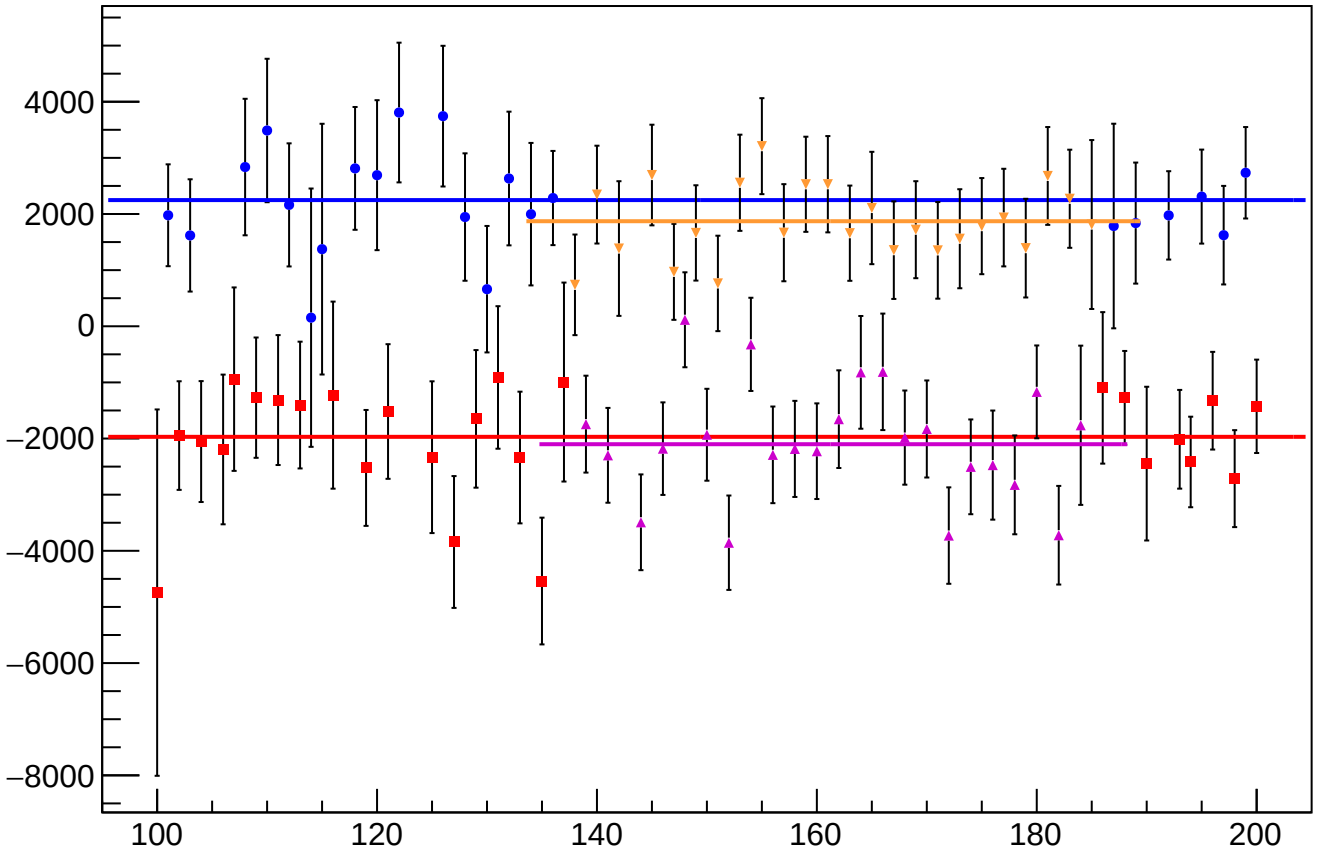
Right Out: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94

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



Right In: 2247.886+/-231.126 χ^2/NDF: 9.4/21

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

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

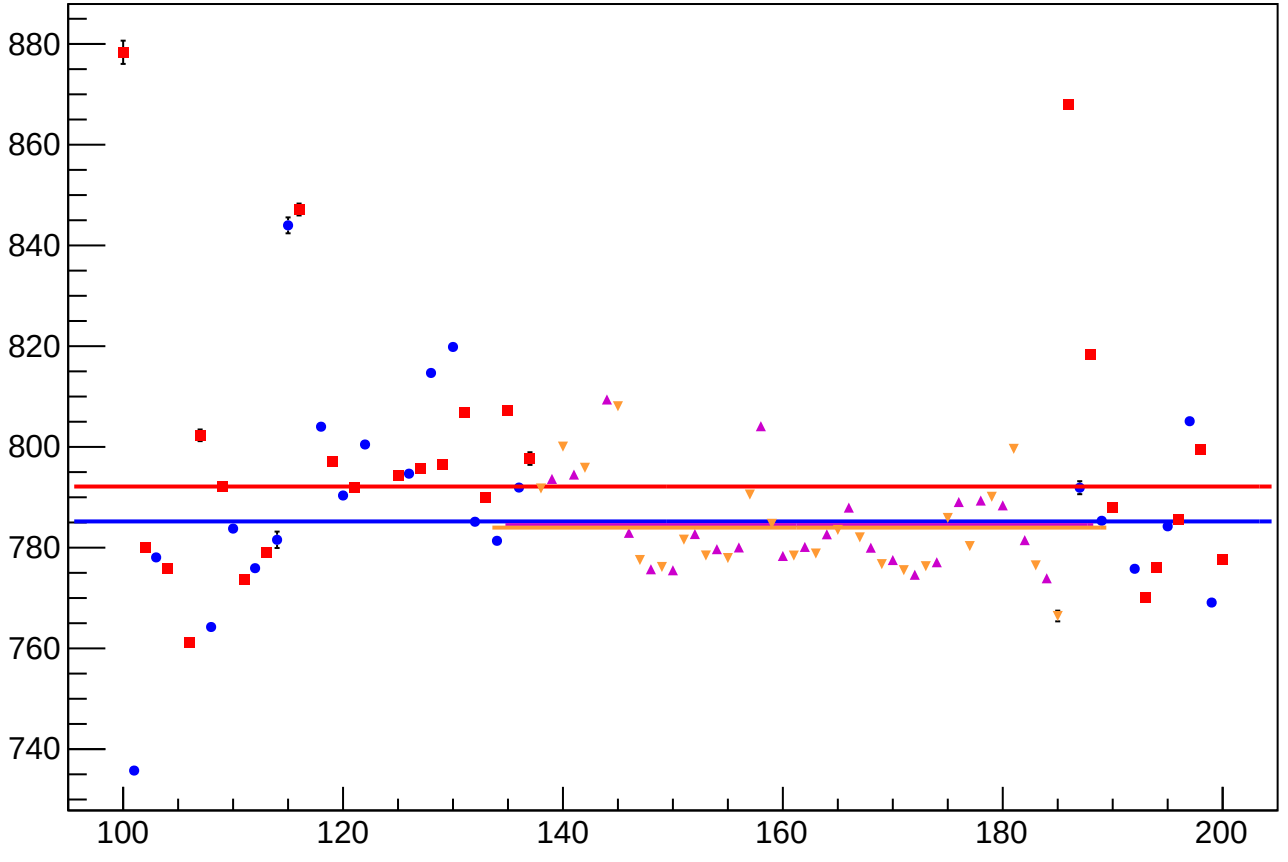
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2015.511+/-142.978 χ^2/NDF: 23.5/45

All: -57.730+/-100.042 χ^2/NDF: 482.4/94

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

dit_asym_us_avg_rms vs Slug



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

Right Out: 792.137+/-0.154 χ^2/NDF: 18244.8/25

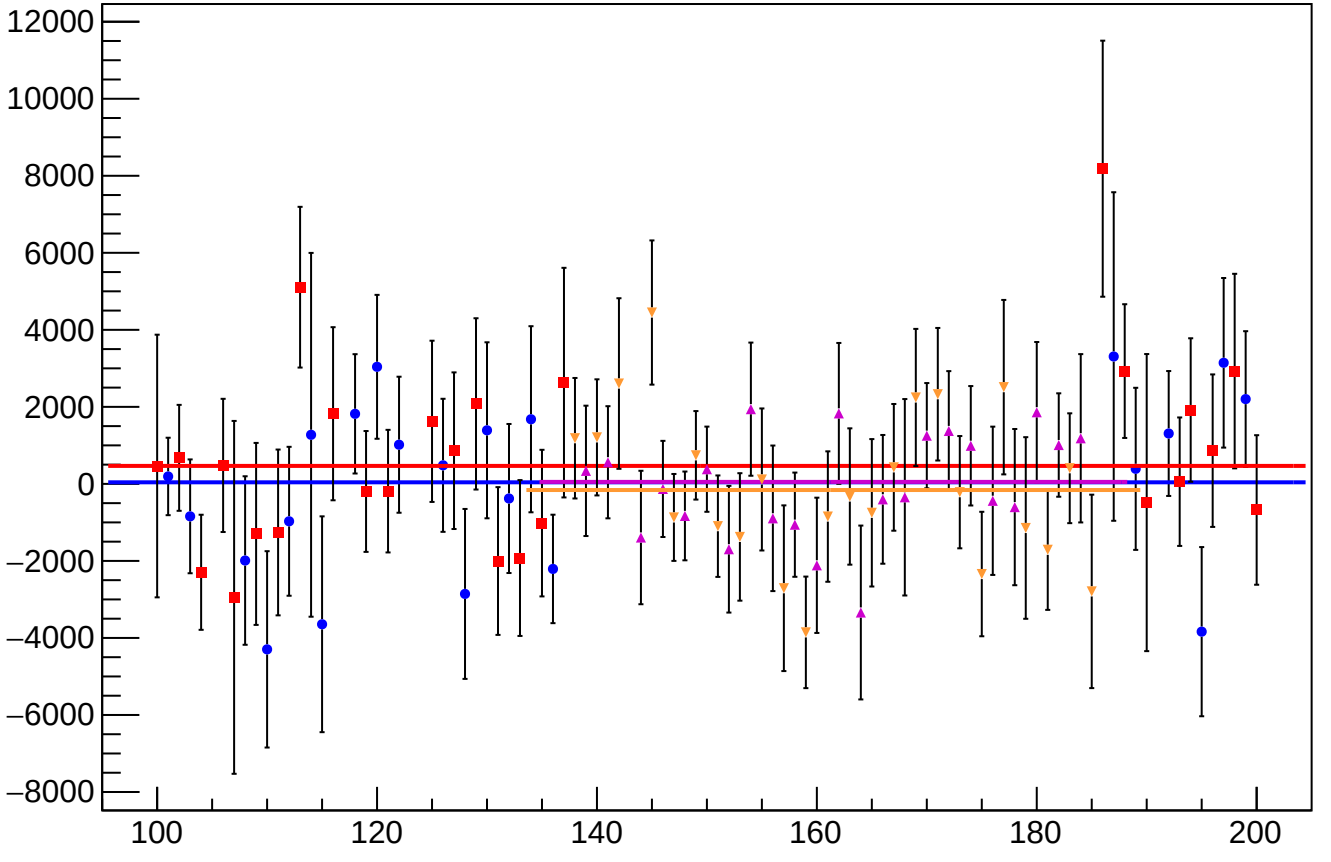
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.451+/-0.101 χ^2/NDF: 19686.3/45

All: 786.088+/-0.071 χ^2/NDF: 44827.7/94

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

asym_us_avg_dit_correction_mean vs Slug



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

Right Out: 466.965+/-393.458 χ^2/NDF: 25.4/25

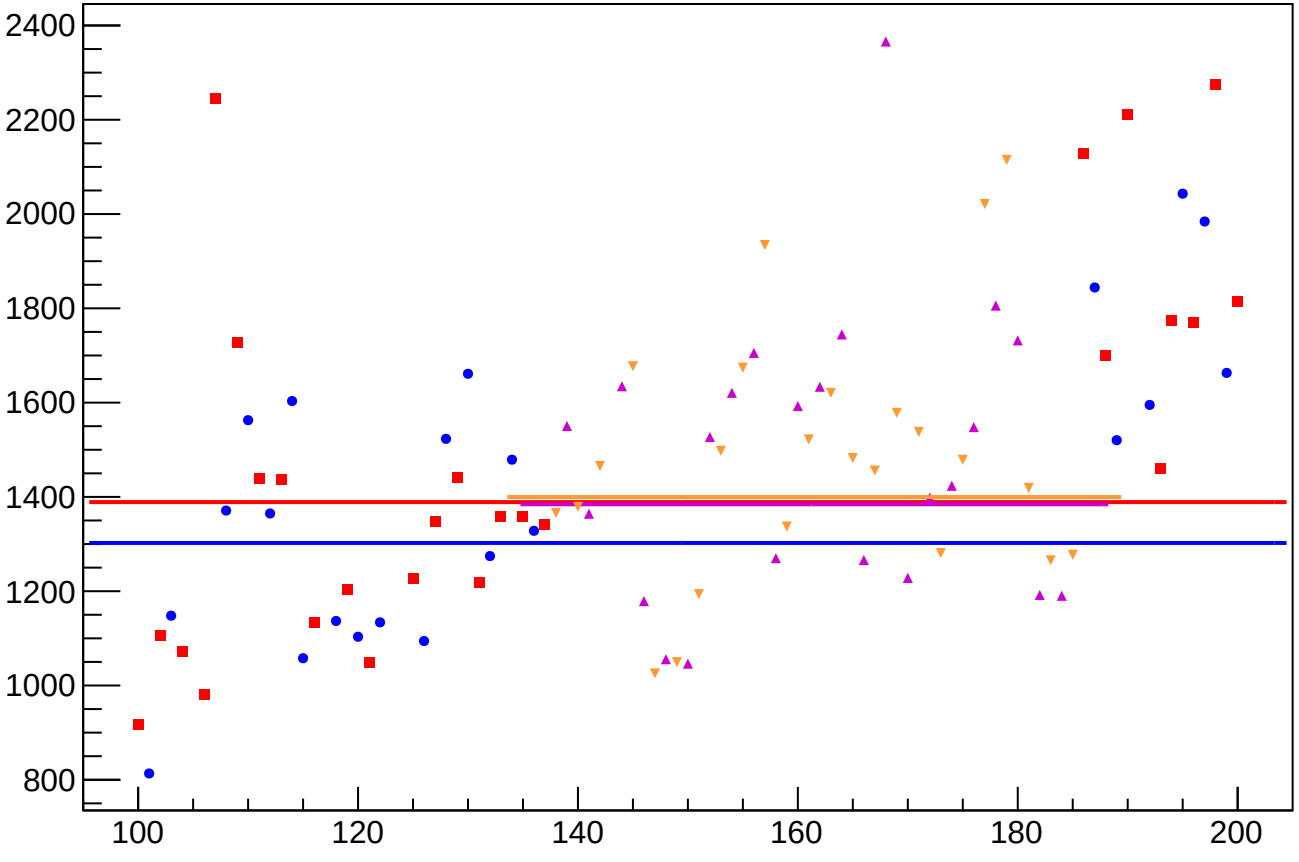
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -76.850+/-254.767 χ^2/NDF: 52.7/45

All: 74.395+/-179.496 χ^2/NDF: 92.8/94

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1302.377+/-0.281 χ^2/NDF: 1338965.6/21

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

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

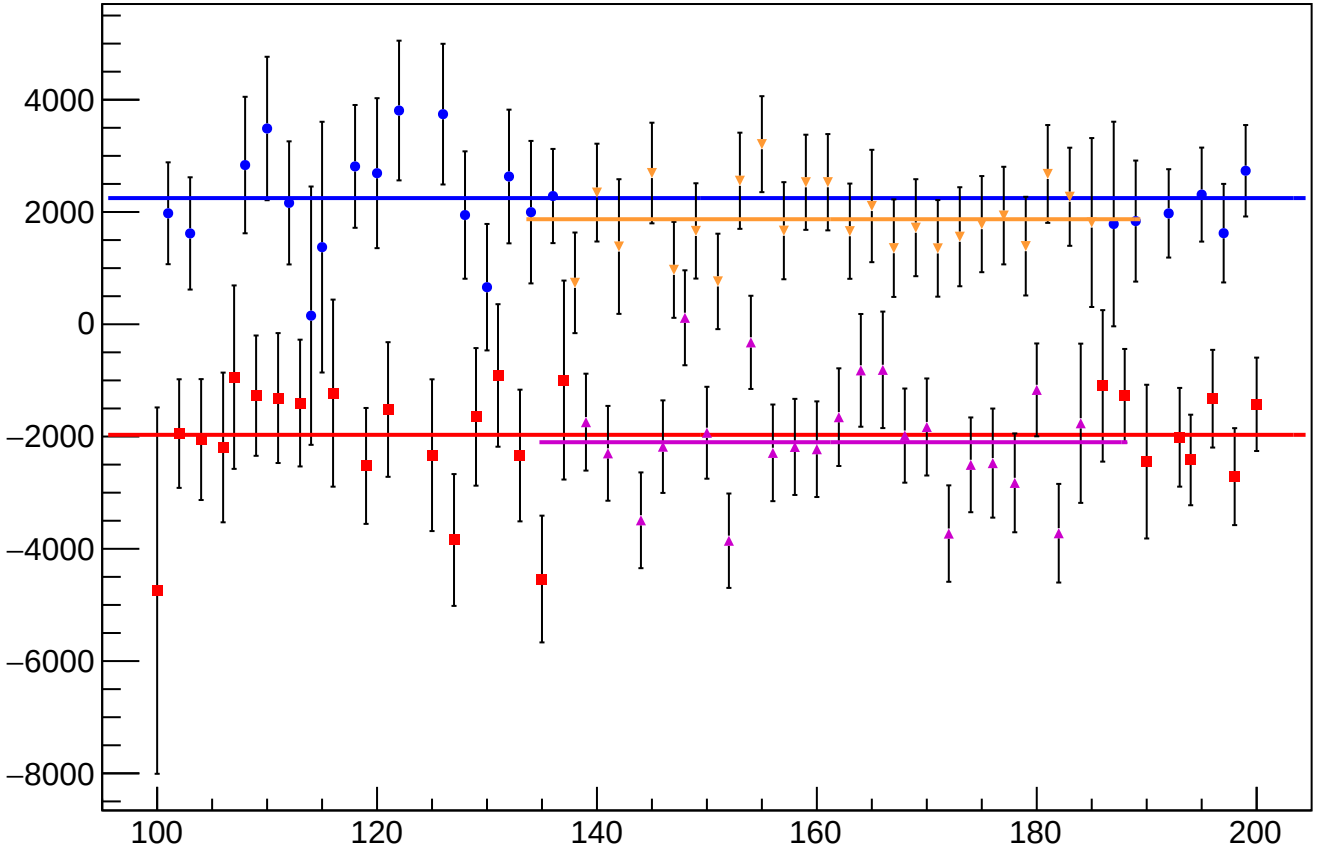
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1359.631+/-0.180 χ^2/NDF: 2546036.2/45

All: 1373.041+/-0.127 χ^2/NDF: 5199541.6/94

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

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2247.885+/-231.126 χ^2/NDF: 9.4/21

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

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

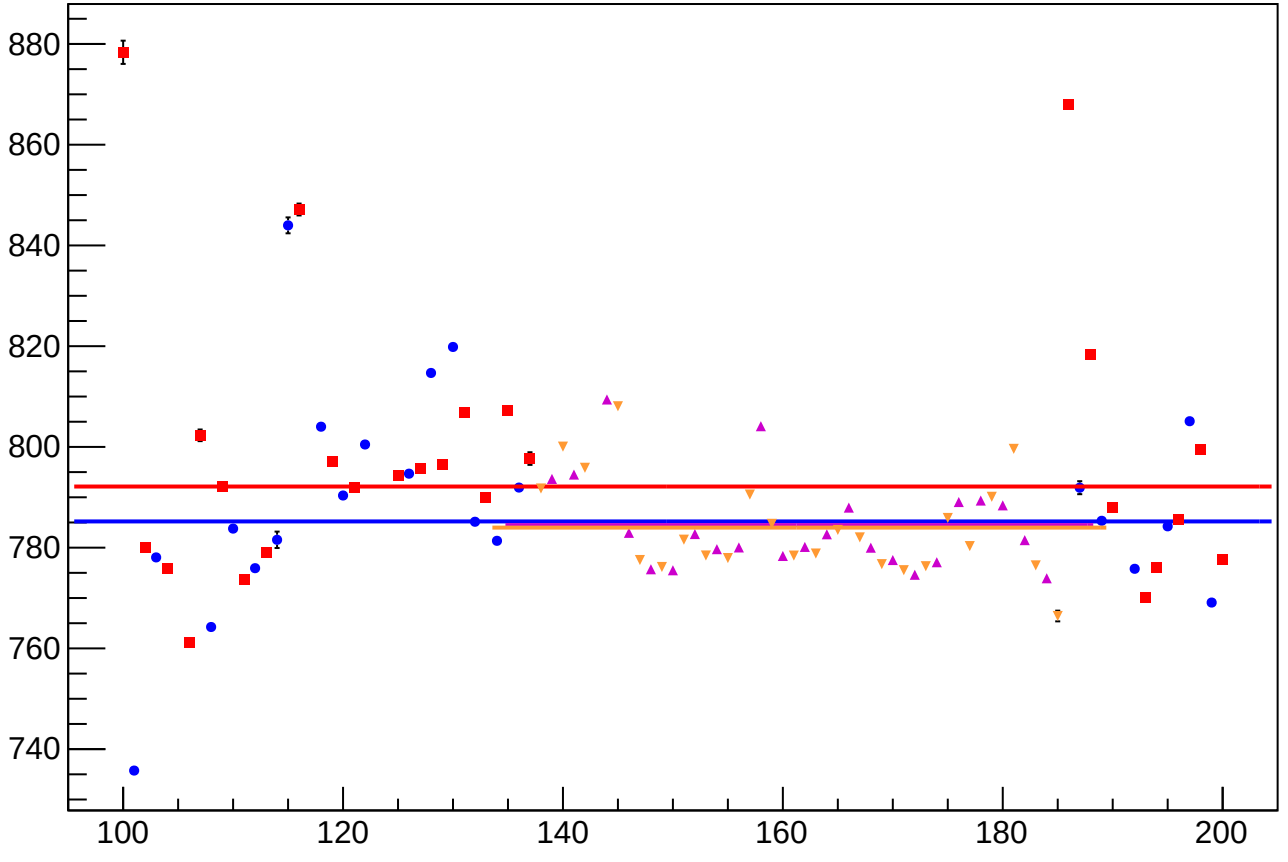
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2015.509+/-142.978 χ^2/NDF: 23.5/45

All: -57.731+/-100.042 χ^2/NDF: 482.4/94

- sign -2046.375+/-140.030 χ^2/NDF: 47.0/48

eigen_dit_asym_us_avg_rms vs Slug



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

Right Out: 792.137+/-0.154 χ^2/NDF: 18244.9/25

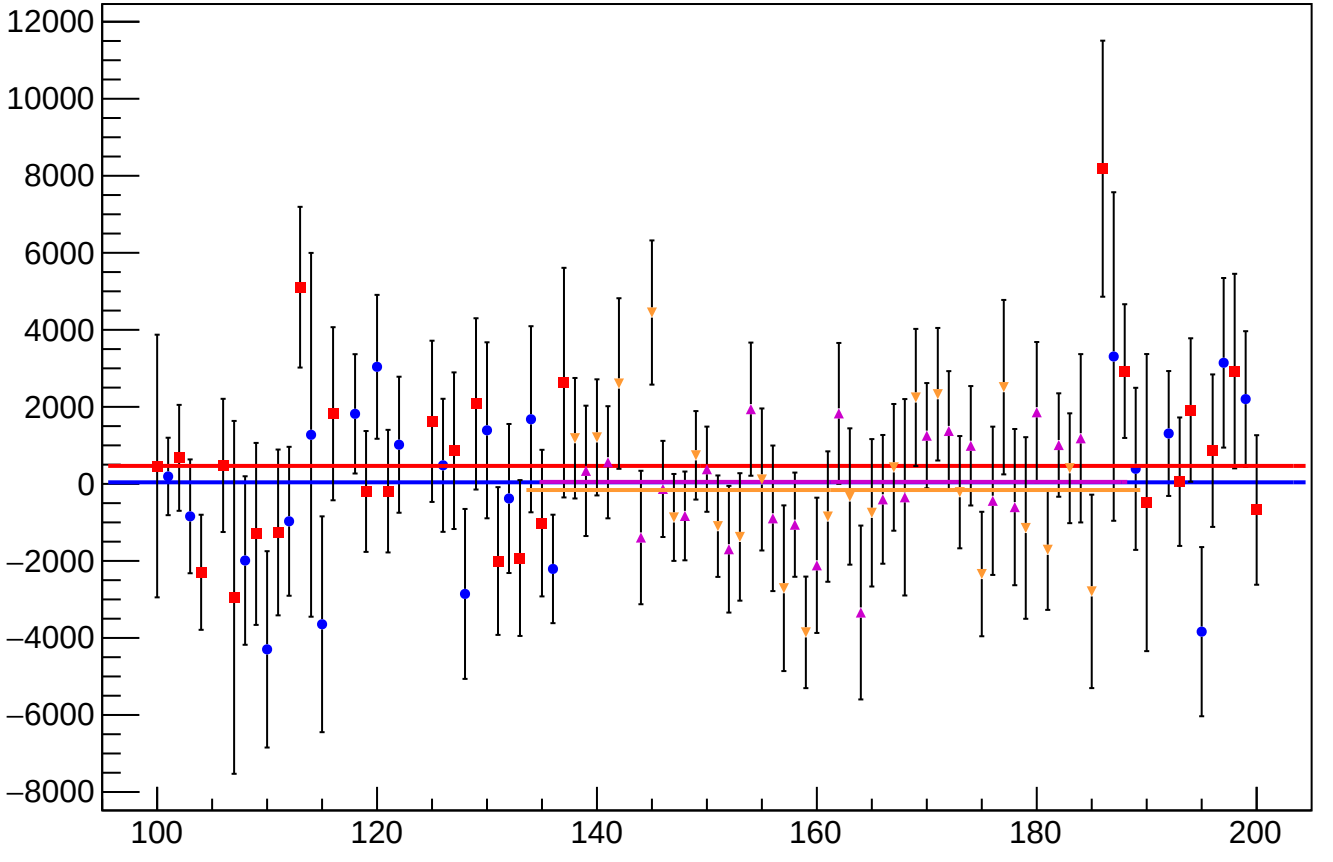
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.451+/-0.101 χ^2/NDF: 19686.3/45

All: 786.088+/-0.071 χ^2/NDF: 44827.6/94

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

Right Out: 466.963+/-393.457 χ^2/NDF: 25.4/25

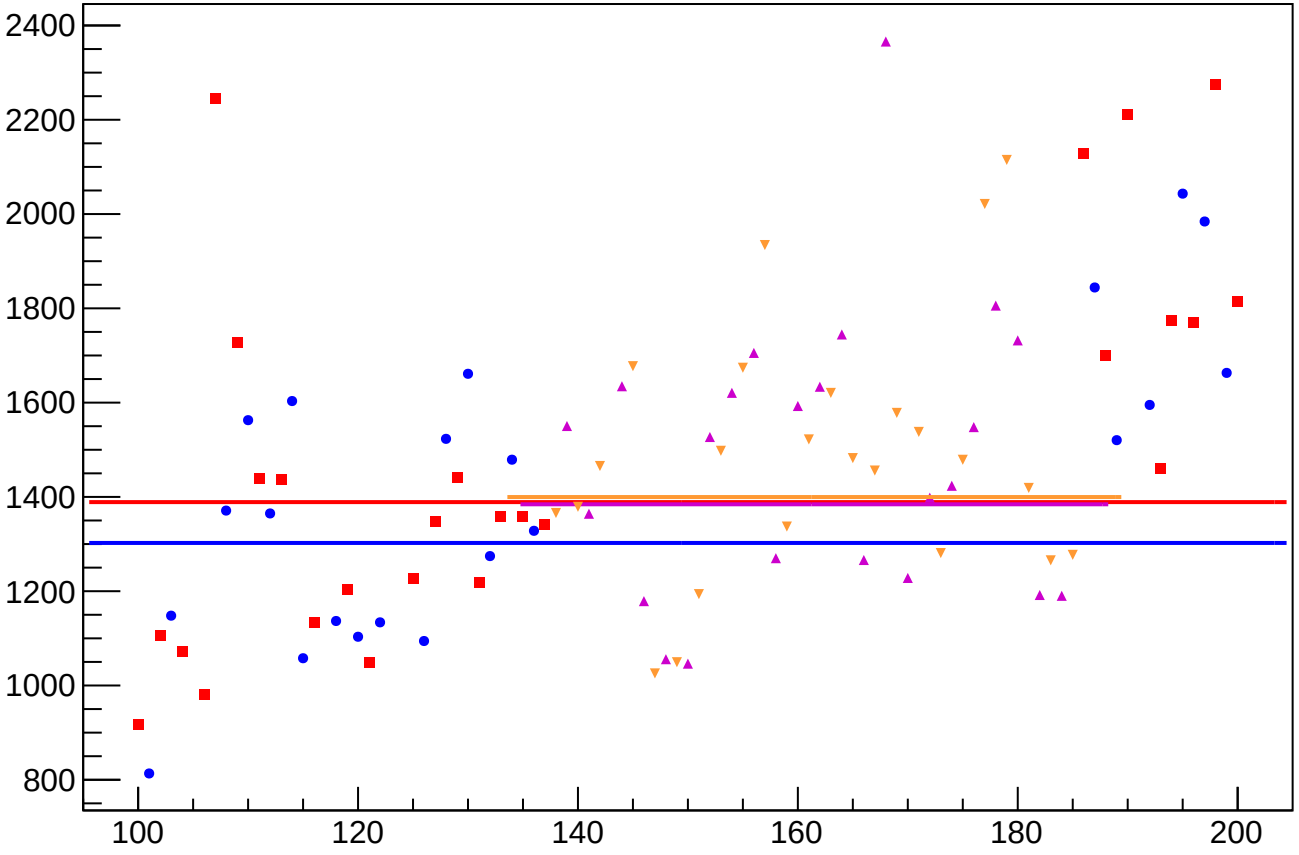
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -76.852+/-254.767 χ^2/NDF: 52.7/45

All: 74.394+/-179.496 χ^2/NDF: 92.8/94

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1302.374+/-0.281 χ^2/NDF: 1338974.6/21

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

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

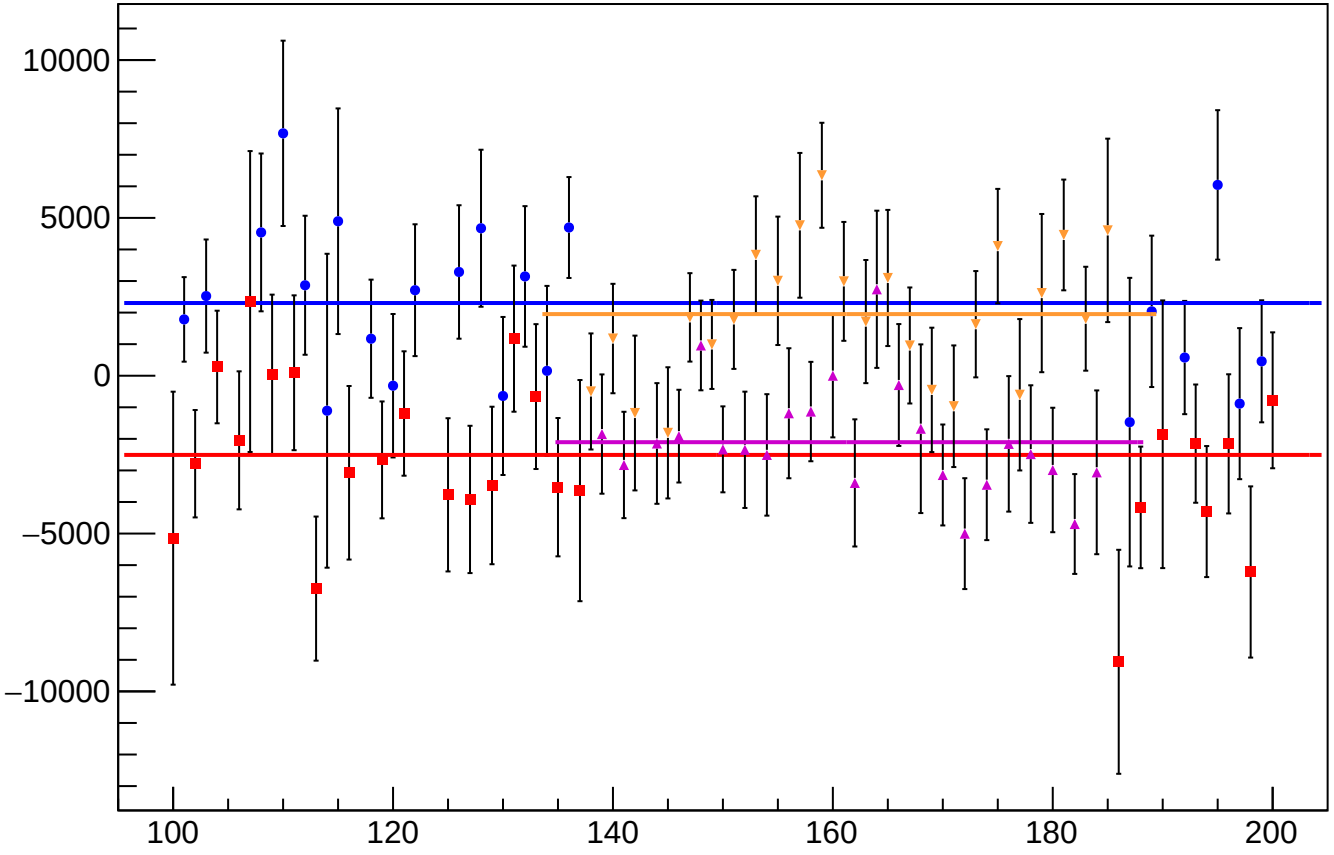
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1359.631+/-0.180 χ^2/NDF: 2546054.0/45

All: 1373.041+/-0.127 χ^2/NDF: 5199573.9/94

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

asym_us_avg_mean vs Slug



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

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

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

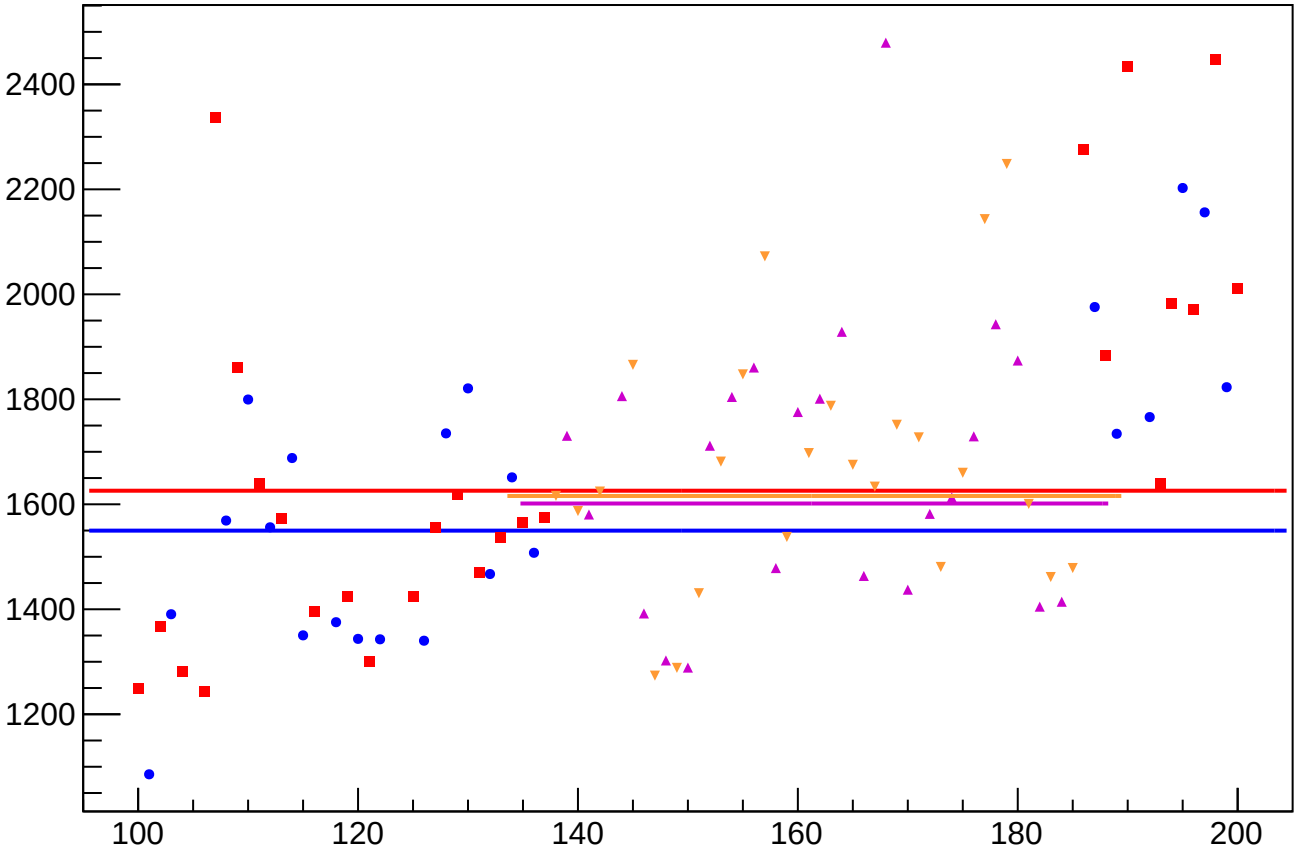
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2092.758+/-294.590 χ^2/NDF: 47.2/45

All: -112.437+/-207.174 χ^2/NDF: 198.8/94

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

asym_us_avg_rms vs Slug



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

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

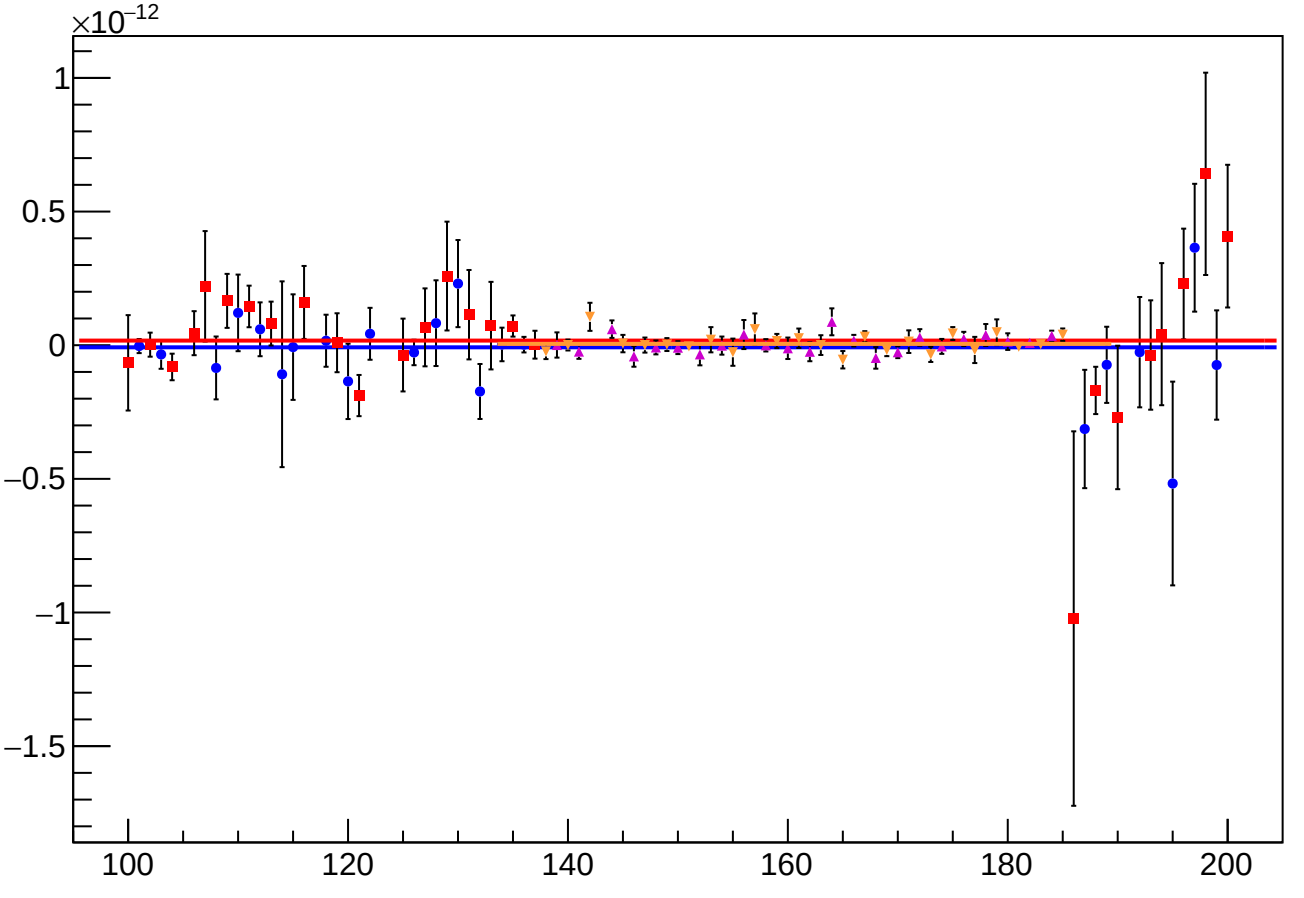
Right Out: 1625.869+/-0.322 χ^2/NDF: 909835.5/25

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

+ sign 1589.451+/-0.208 χ^2/NDF: 1490257.5/45

All: 1600.577+/-0.146 χ^2/NDF: 3202841.3/94

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



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/21

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

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

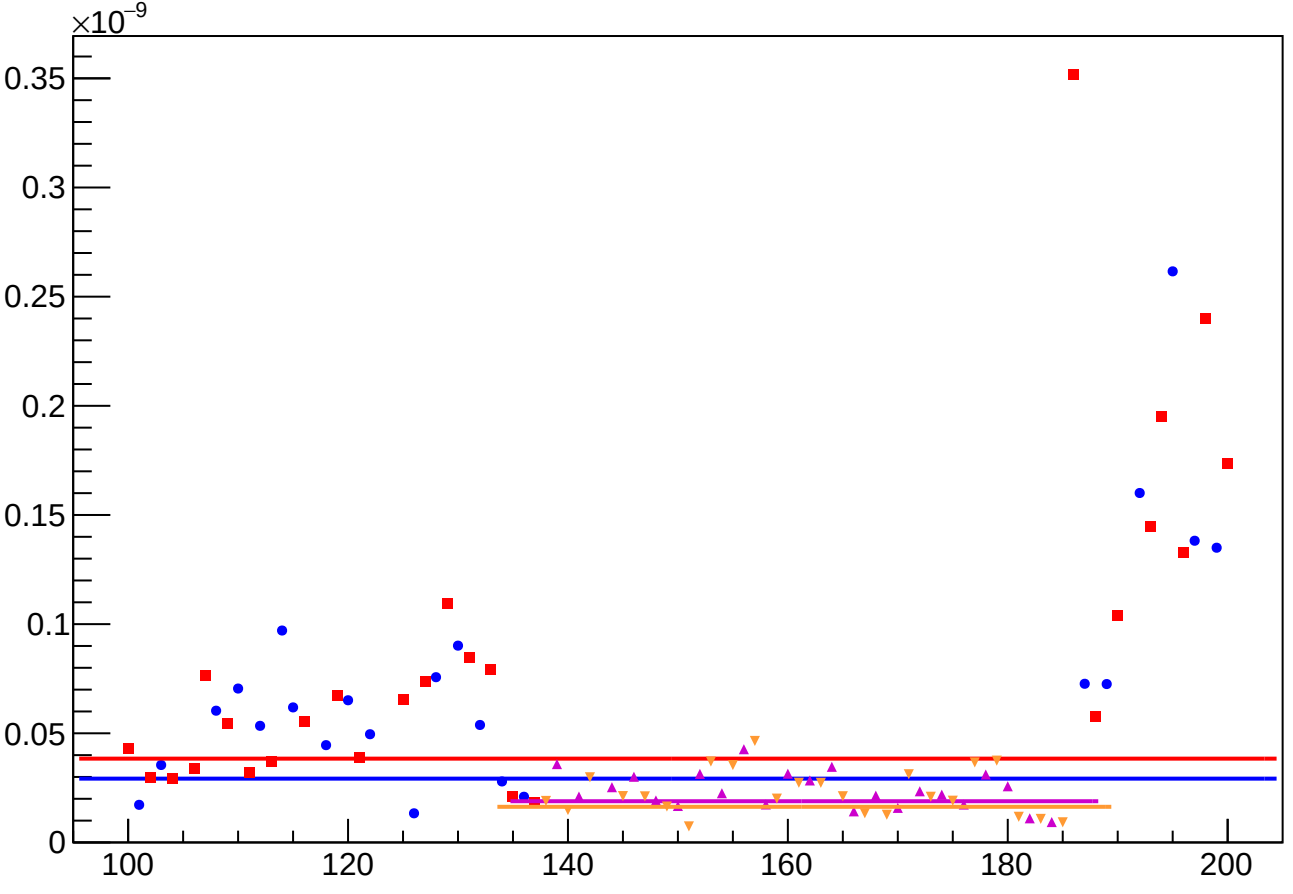
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/45

All: 0.000+/-0.000 χ^2/NDF: 93.5/94

- sign 0.000+/-0.000 χ^2/NDF: 56.7/48

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4965550.3/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5195174.7/25

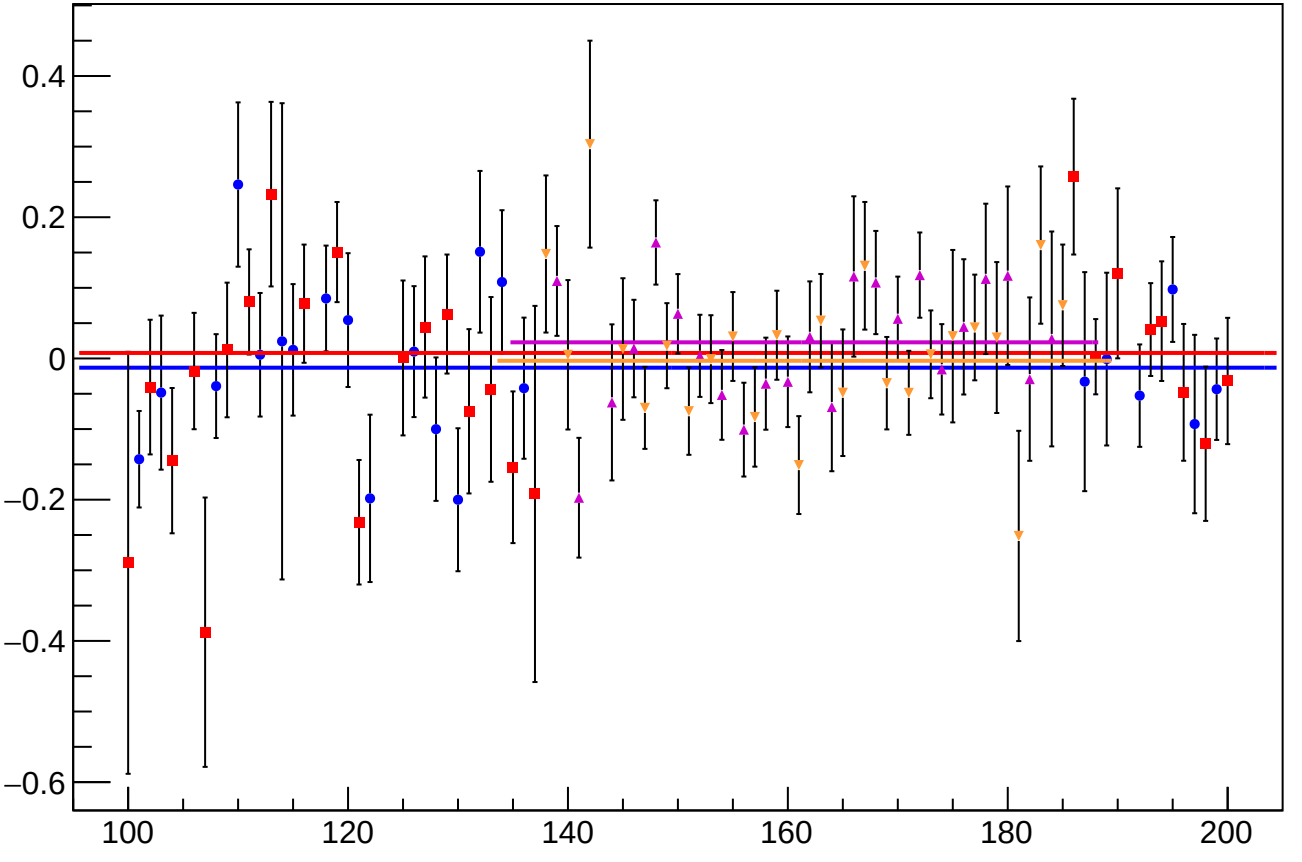
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10553967.2/45

All: 0.000+/-0.000 χ^2/NDF: 21565879.1/94

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

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

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

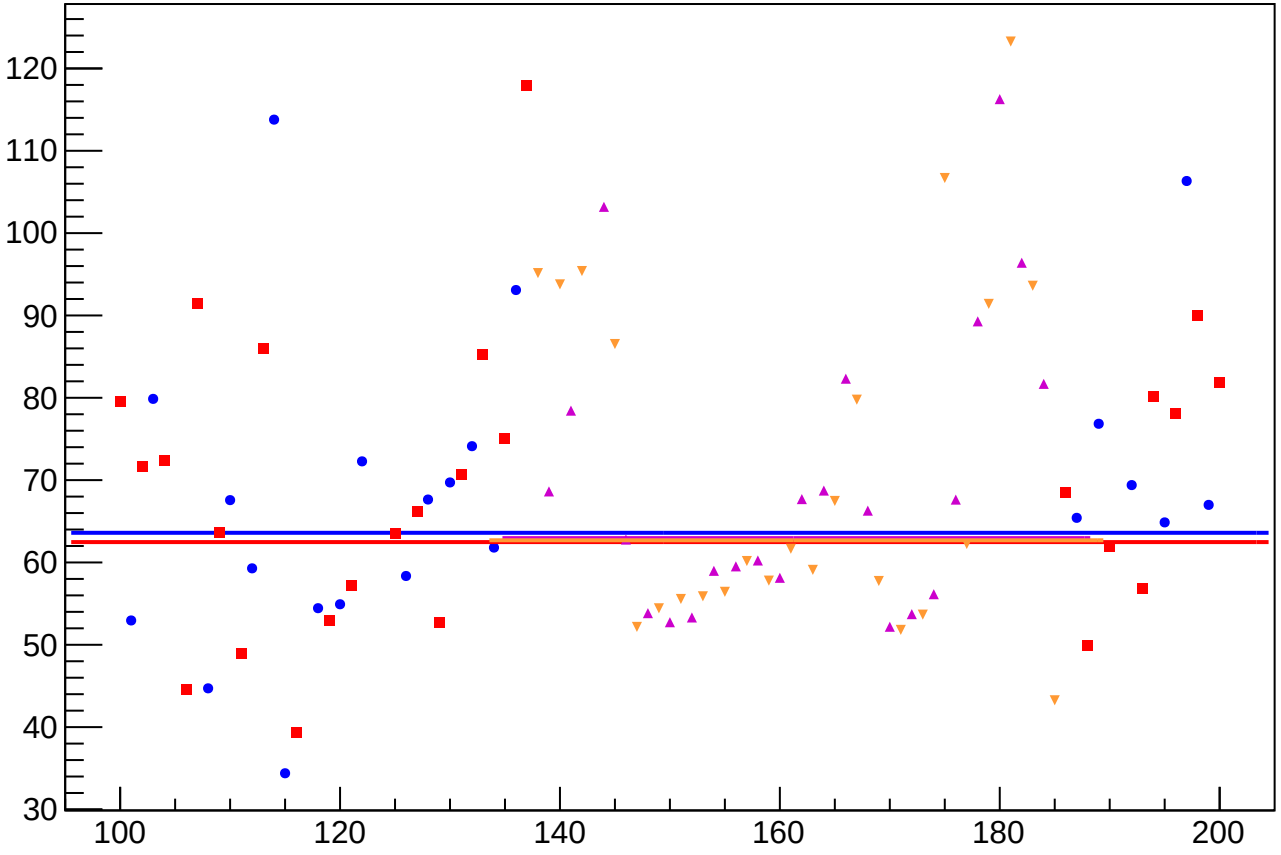
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.005+/-0.009 χ^2/NDF: 118.2/94

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

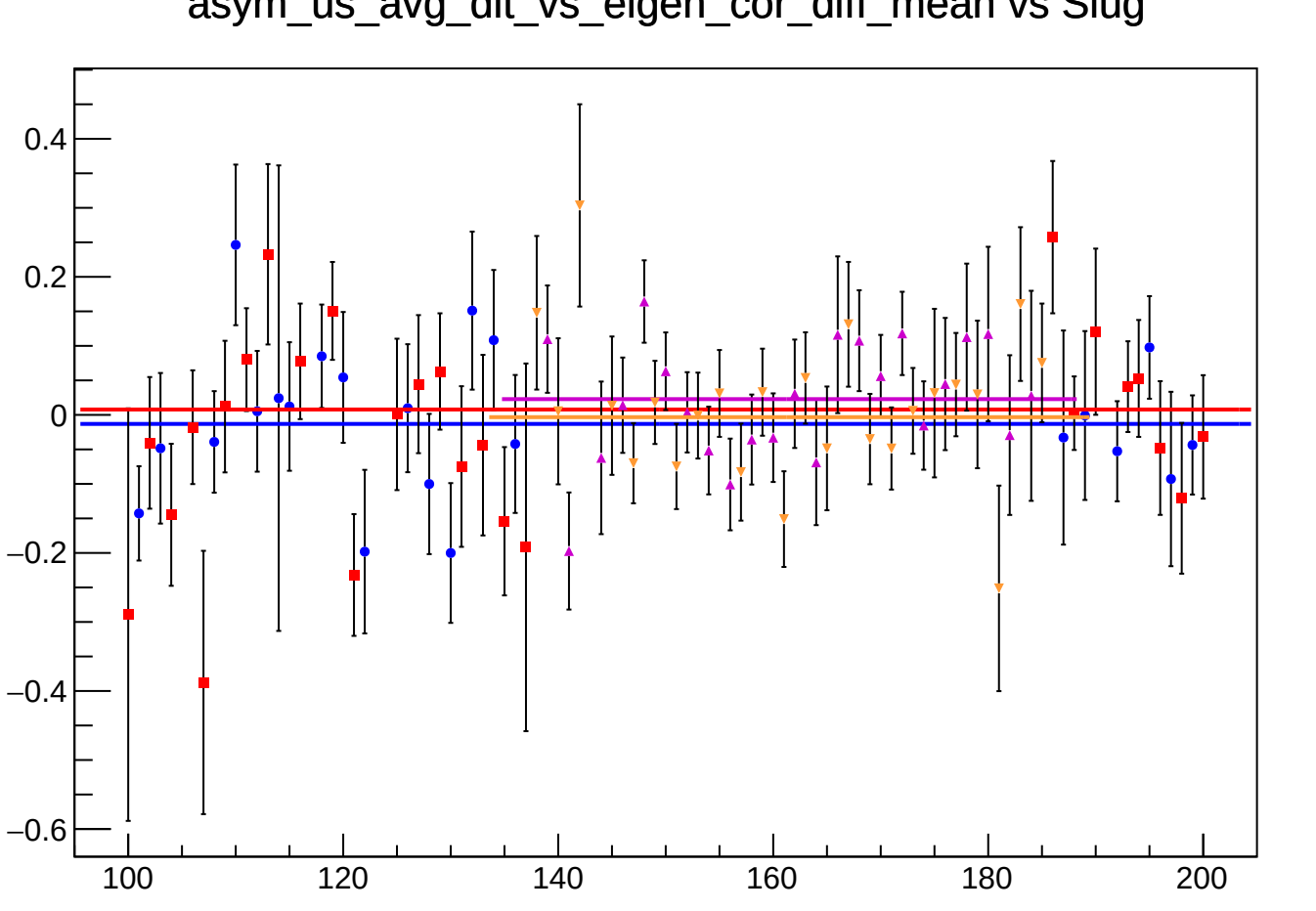
Right Out: 62.474+/-0.013 χ^2/NDF: 1218311.8/25

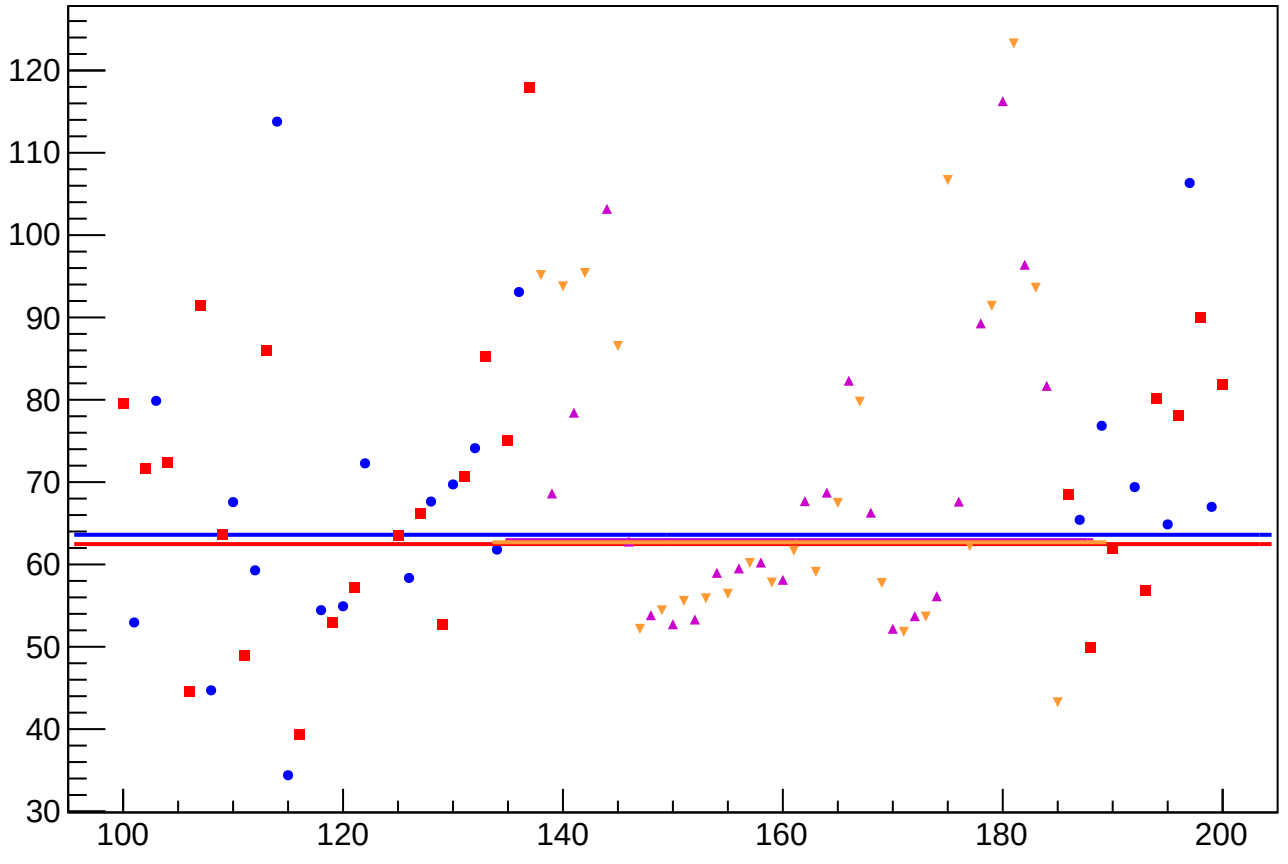
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 63.034+/-0.009 χ^2/NDF: 2951519.5/45

All: 62.890+/-0.006 χ^2/NDF: 5601593.5/94

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


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.013+/-0.020 χ²/NDF: 24.5/21
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.008+/-0.018 χ²/NDF: 36.4/25
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.007+/-0.012 χ²/NDF: 50.5/45
All: 0.005+/-0.009 χ²/NDF: 118.2/94
- sign 0.017+/-0.012 χ²/NDF: 65.8/48



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

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

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

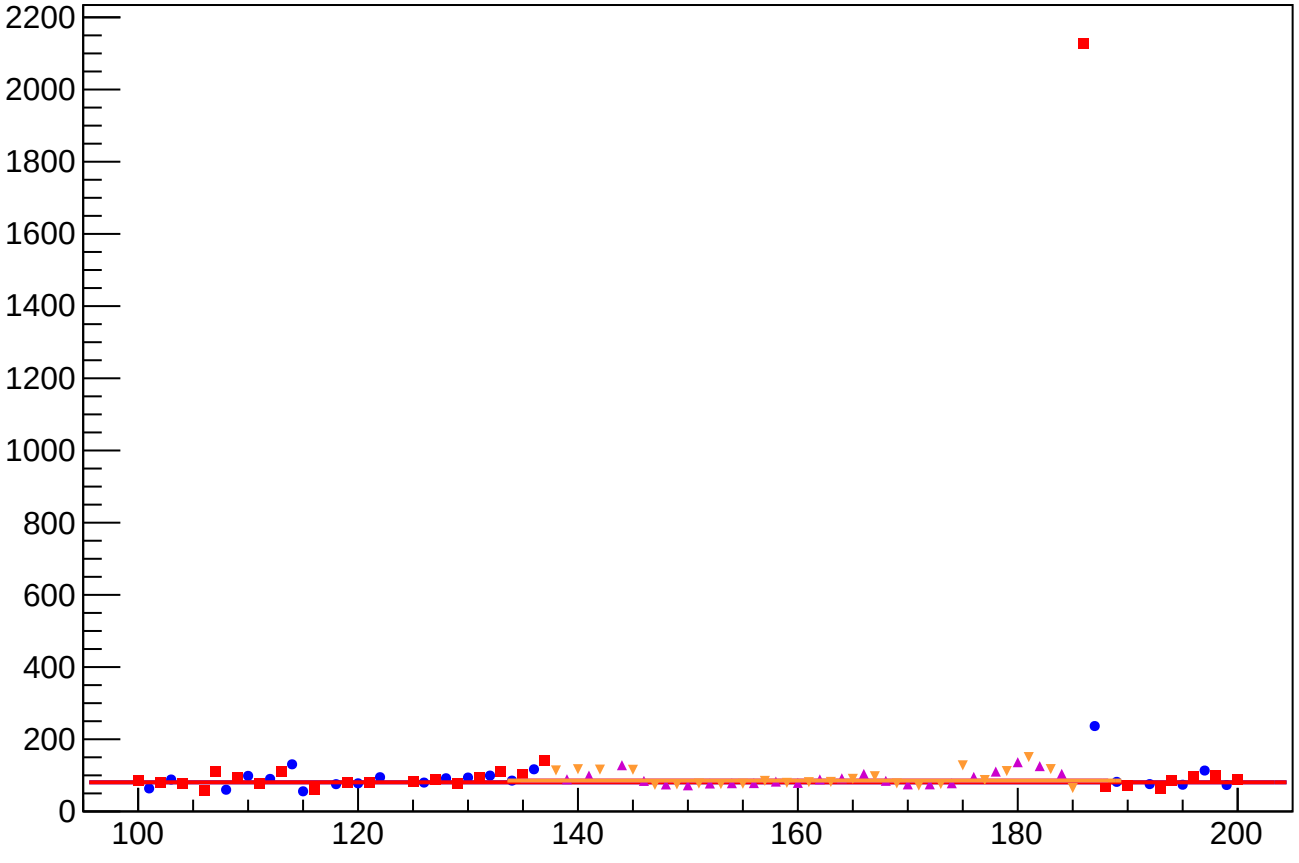
+ sign 63.034+/-0.009 χ^2/NDF: 2951519.5/45

All: 62.890+/-0.006 χ^2/NDF: 5601593.5/94

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.013+/-0.025 χ2/NDF: 21.2/21
Left Out: -0.004+/-0.021 χ2/NDF:21.4/23
Right Out: -0.007+/-0.024 χ2/NDF: 33.6/25
Left In: -0.002+/-0.021 χ2/NDF:30.5/22
+ sign -0.008+/-0.016 χ2/NDF: 42.6/45
All: -0.006+/-0.011 χ2/NDF: 106.9/94
- sign -0.004+/-0.016 χ2/NDF: 64.2/48

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.725+/-0.018 χ^2/NDF: 764215.2/21

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

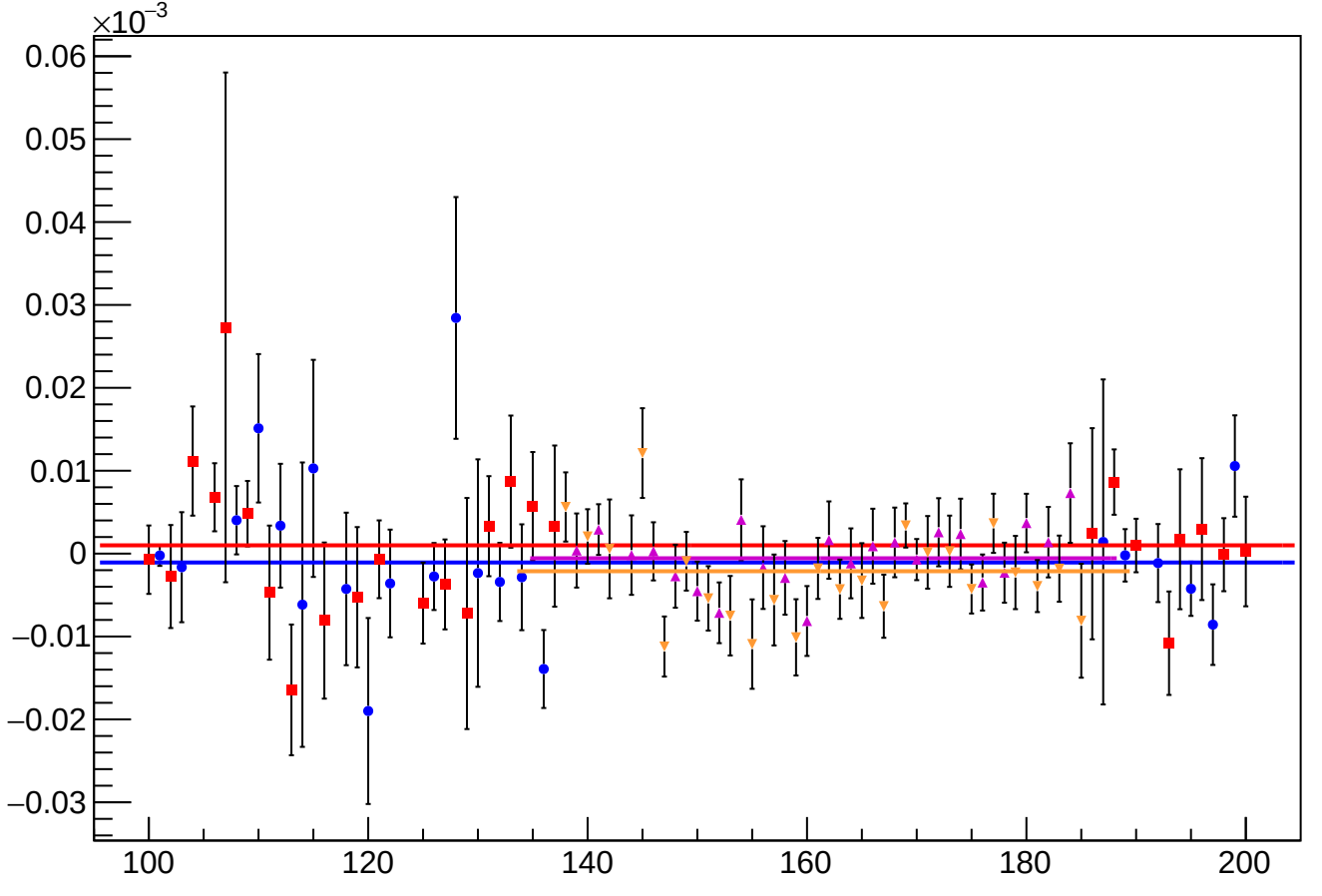
Right Out: 80.739+/-0.017 χ^2/NDF: 1525017.1/25

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

+ sign 83.665+/-0.011 χ^2/NDF: 2162699.1/45

All: 83.597+/-0.008 χ^2/NDF: 4733229.2/94

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



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/25

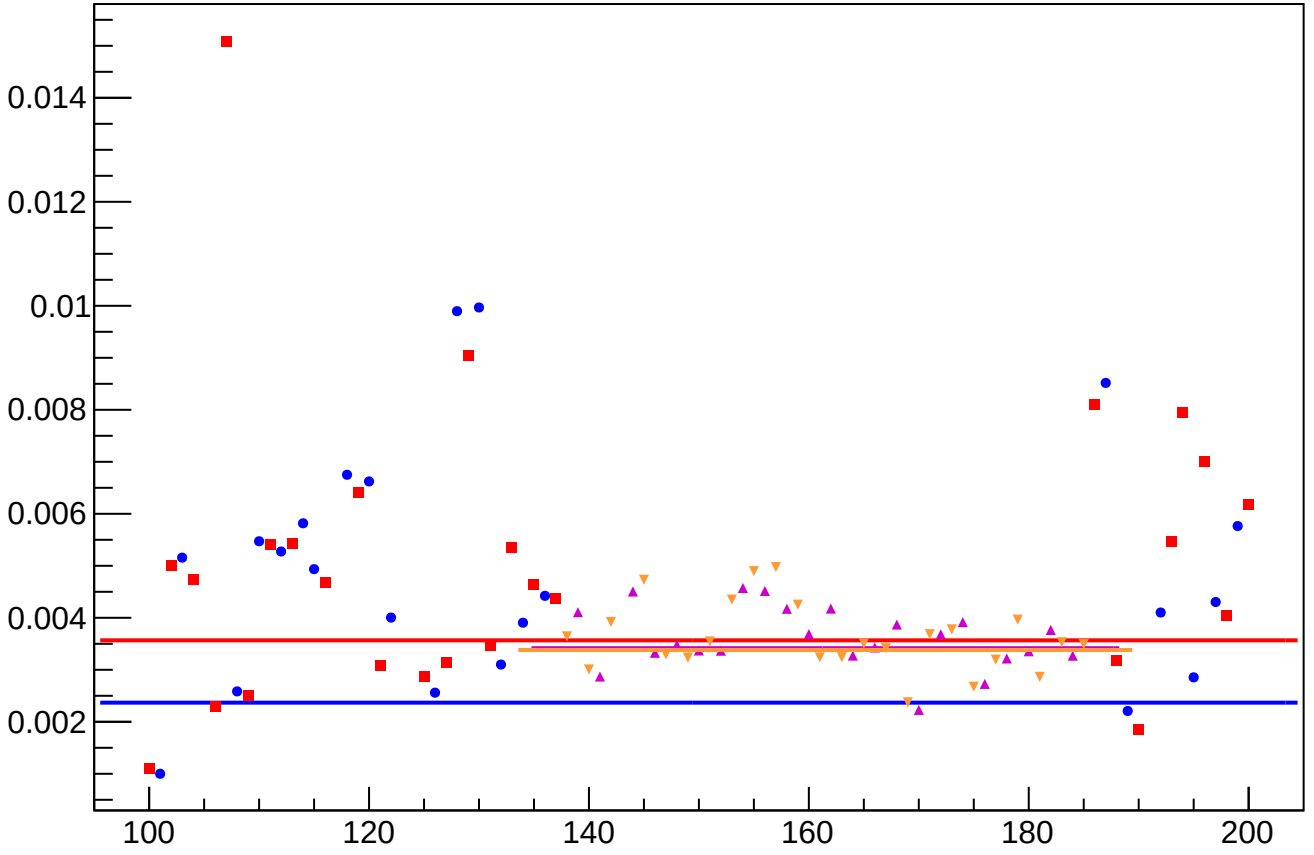
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.6/45

All: -0.000+/-0.000 χ^2/NDF: 113.6/94

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

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7443331.2/21

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

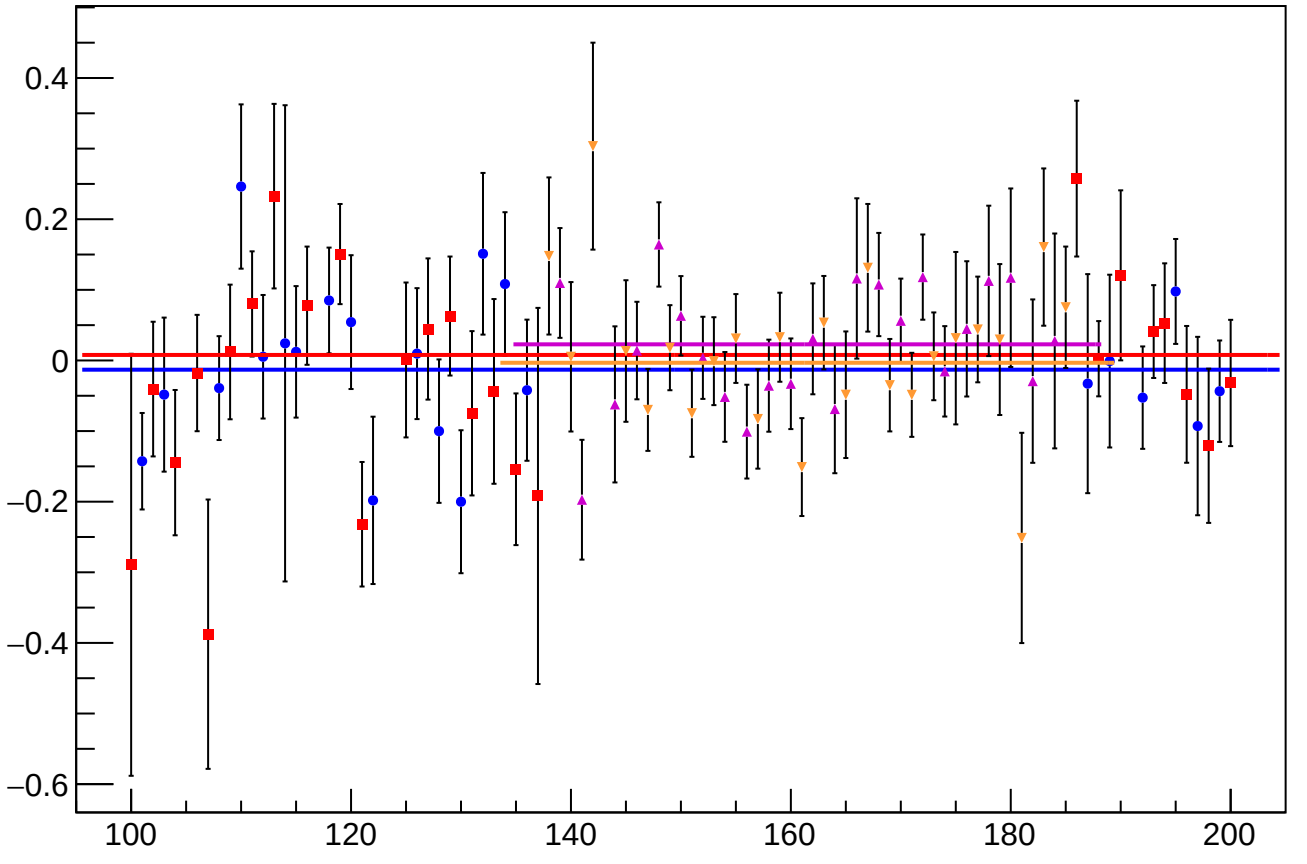
Right Out: 0.004+/-0.000 χ^2/NDF: 4734127.7/25

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

+ sign 0.003+/-0.000 χ^2/NDF: 10079977.1/45

All: 0.003+/-0.000 χ^2/NDF: 16772721.4/94

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



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

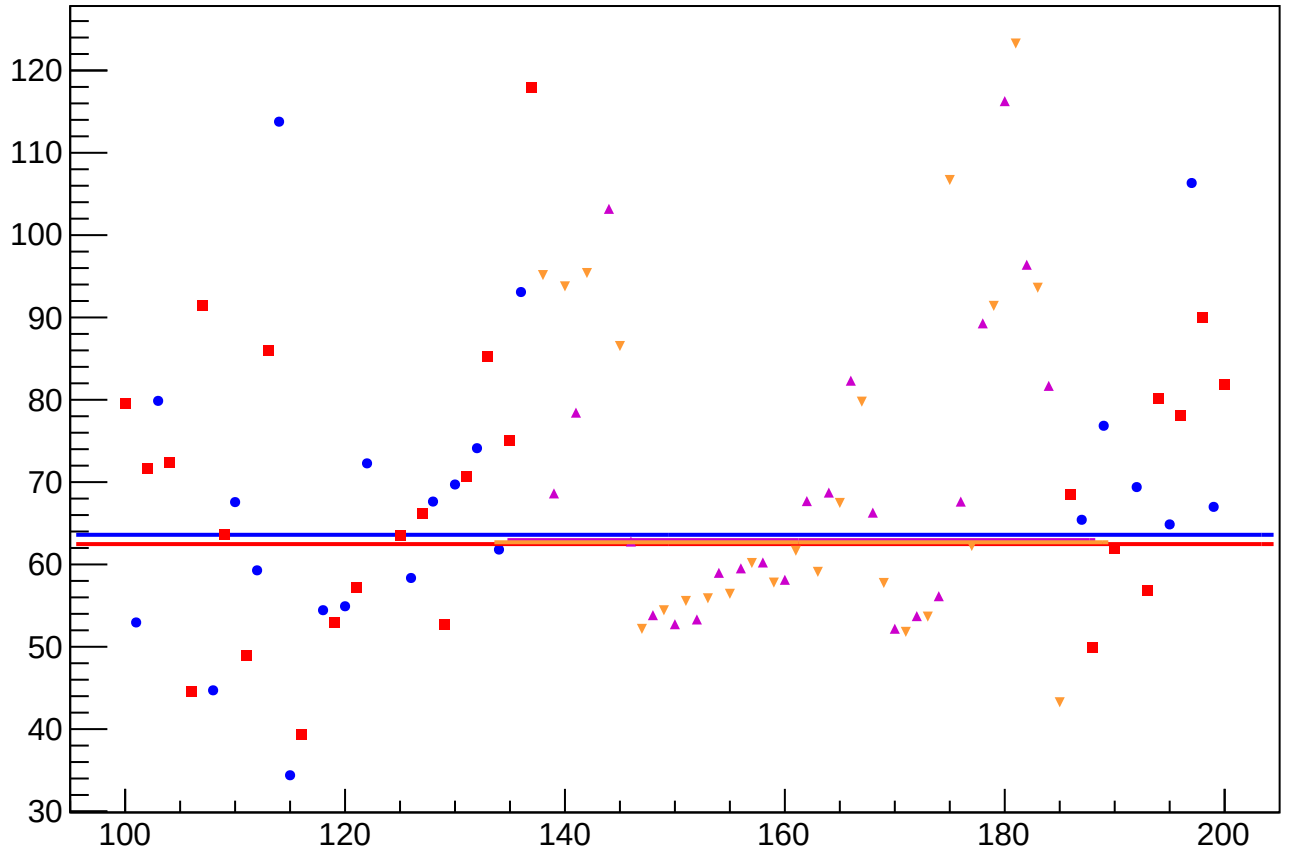
Right Out: 0.008+/-0.018 χ^2/NDF: 36.4/25

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

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.005+/-0.009 χ^2/NDF: 118.2/94

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

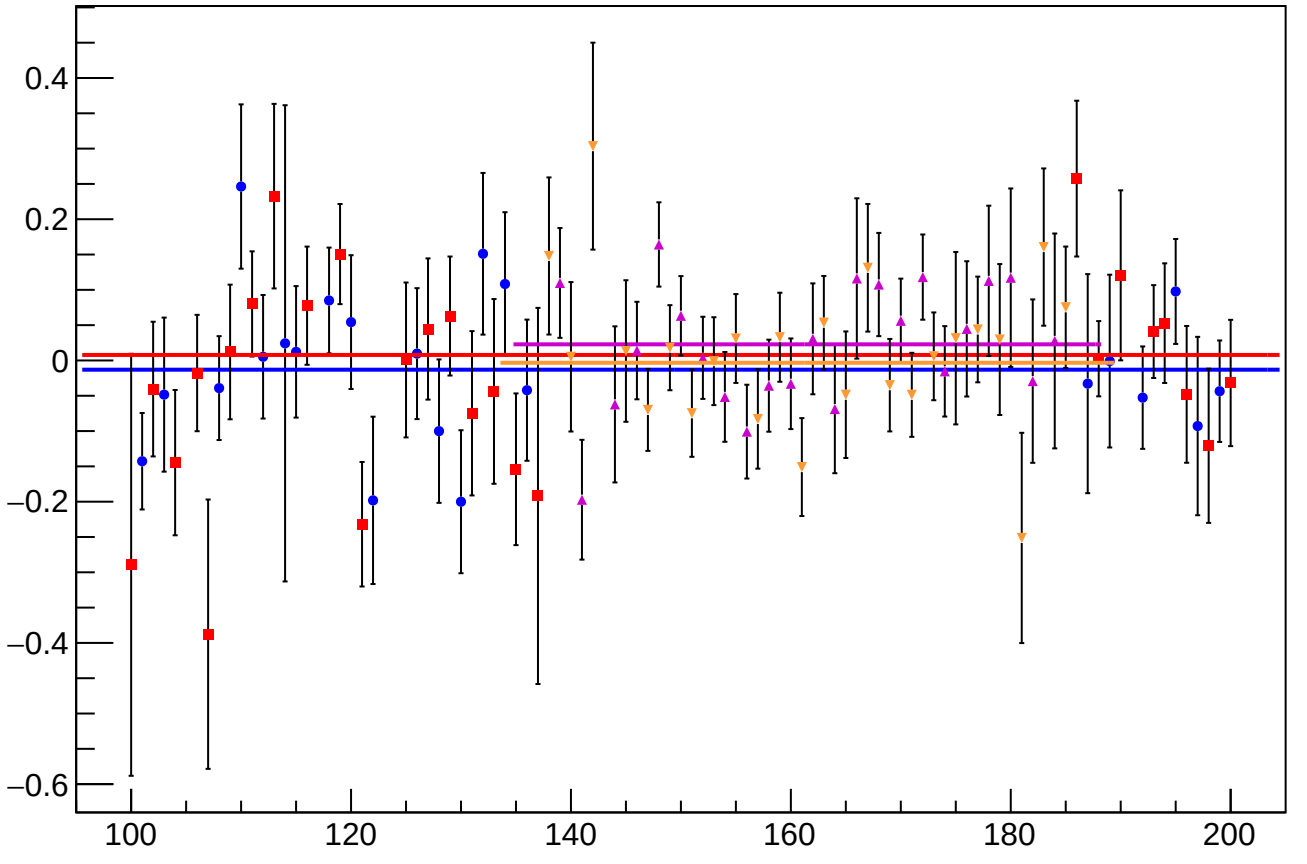
Right Out: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

+ sign 63.034+/-0.009 χ^2/NDF: 2951534.7/45

All: 62.890+/-0.006 χ^2/NDF: 5601532.7/94

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



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

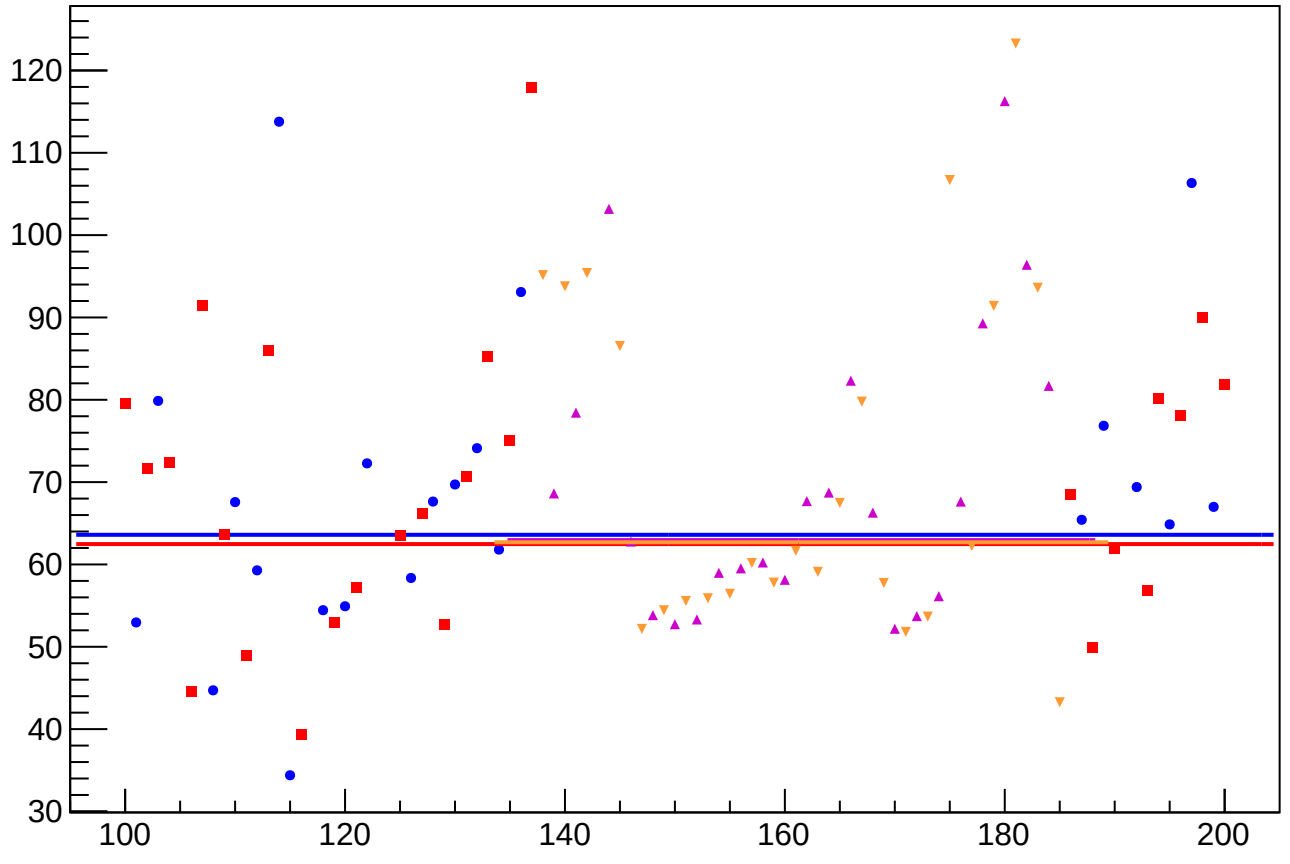
Right Out: 0.008+/-0.018 χ^2/NDF: 36.4/25

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

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.005+/-0.009 χ^2/NDF: 118.2/94

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

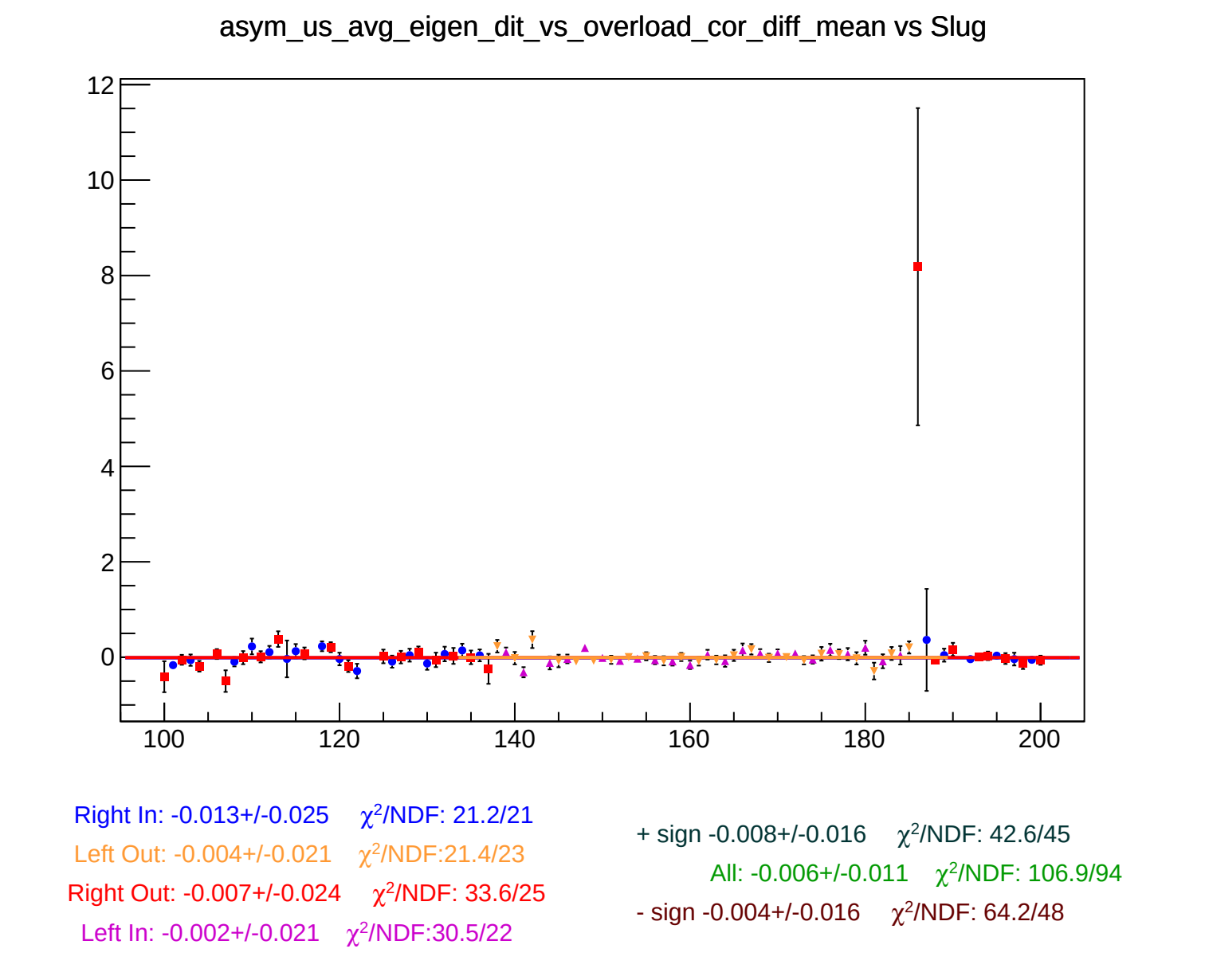
Right Out: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

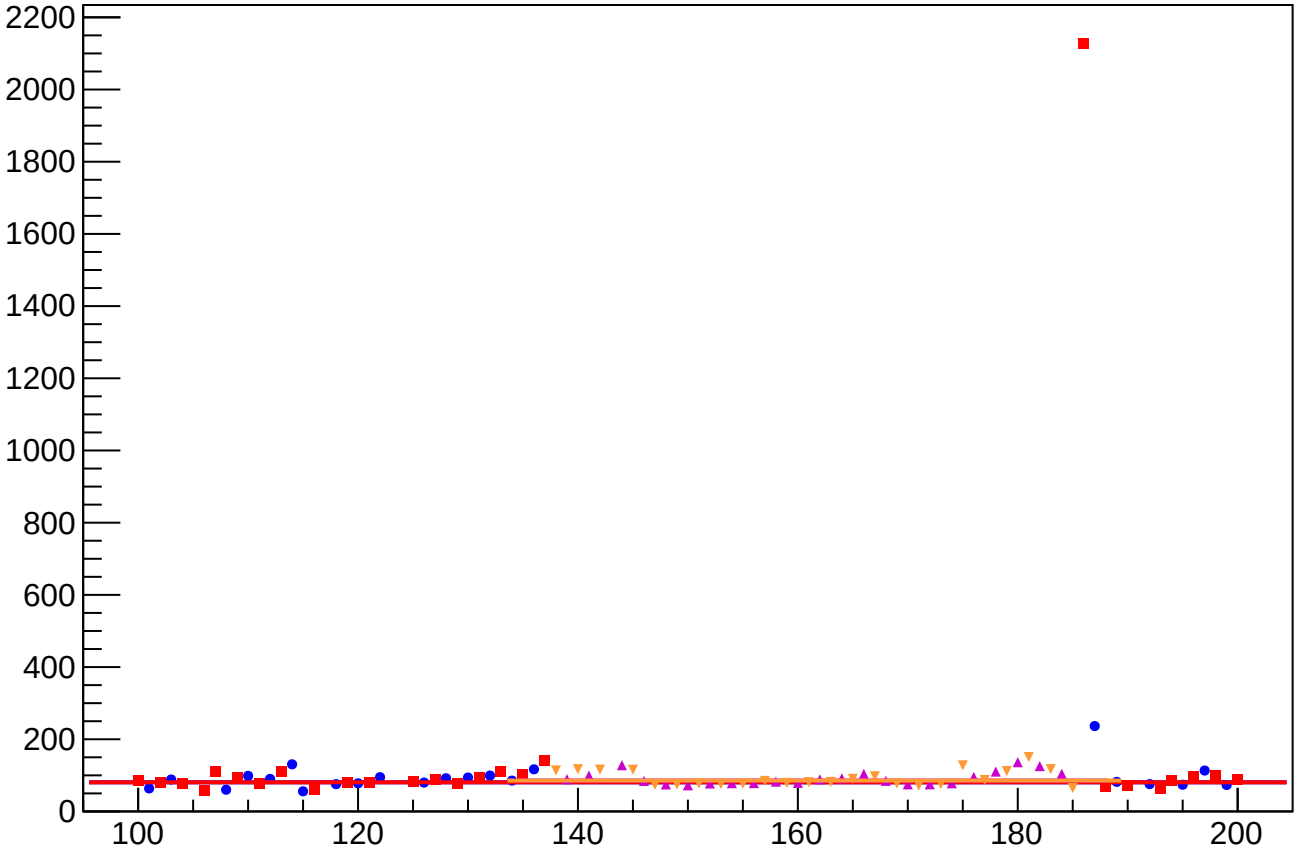
+ sign 63.034+/-0.009 χ^2/NDF: 2951534.7/45

All: 62.890+/-0.006 χ^2/NDF: 5601532.7/94

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


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.013+/-0.025 χ²/NDF: 21.2/21
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: -0.007+/-0.024 χ²/NDF: 33.6/25
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.008+/-0.016 χ²/NDF: 42.6/45
All: -0.006+/-0.011 χ²/NDF: 106.9/94
- sign -0.004+/-0.016 χ²/NDF: 64.2/48

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.724+/-0.018 χ^2/NDF: 764204.8/21

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

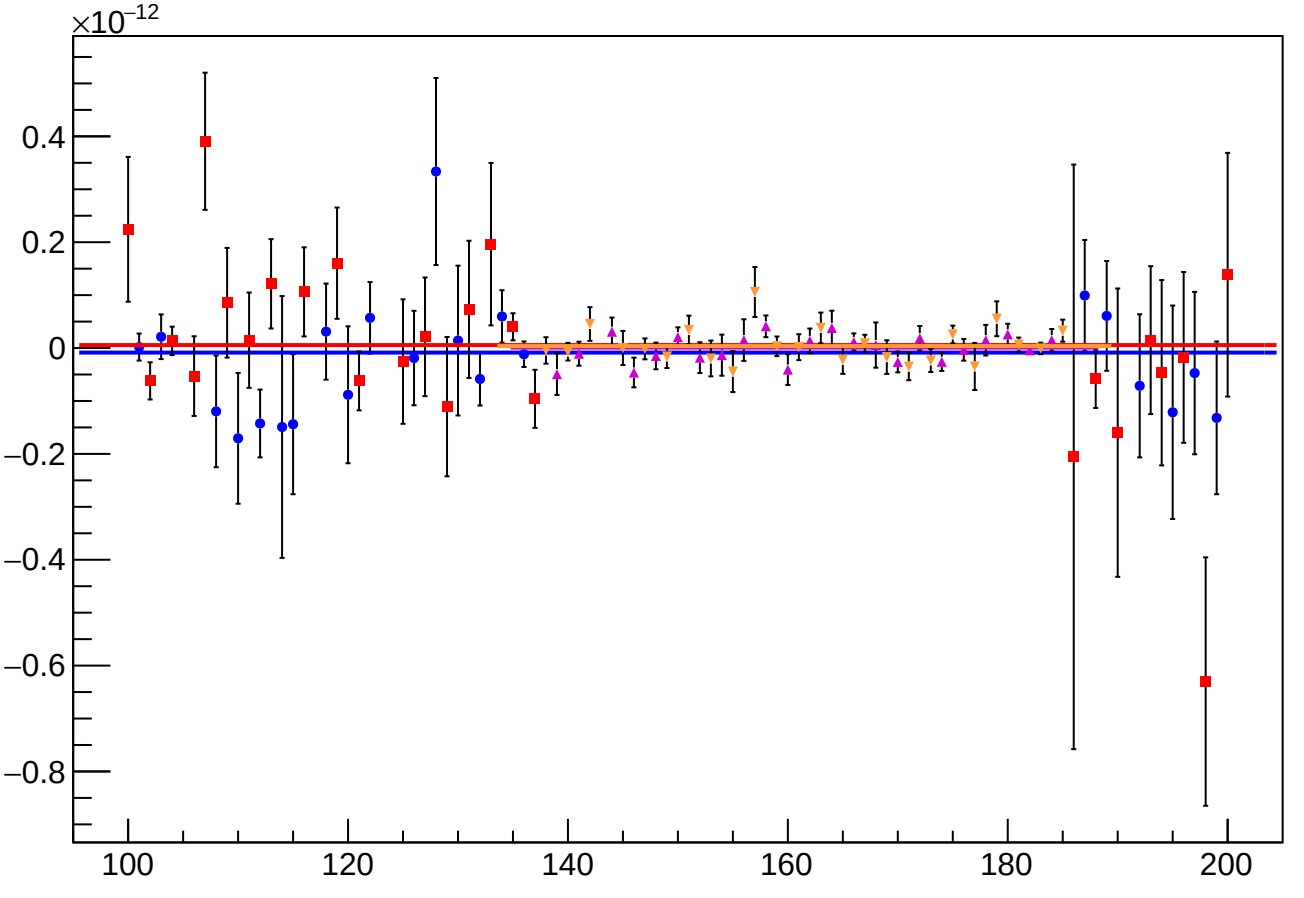
Right Out: 80.738+/-0.017 χ^2/NDF: 1524979.3/25

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

+ sign 83.665+/-0.011 χ^2/NDF: 2162698.9/45

All: 83.597+/-0.008 χ^2/NDF: 4733202.4/94

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



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

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

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

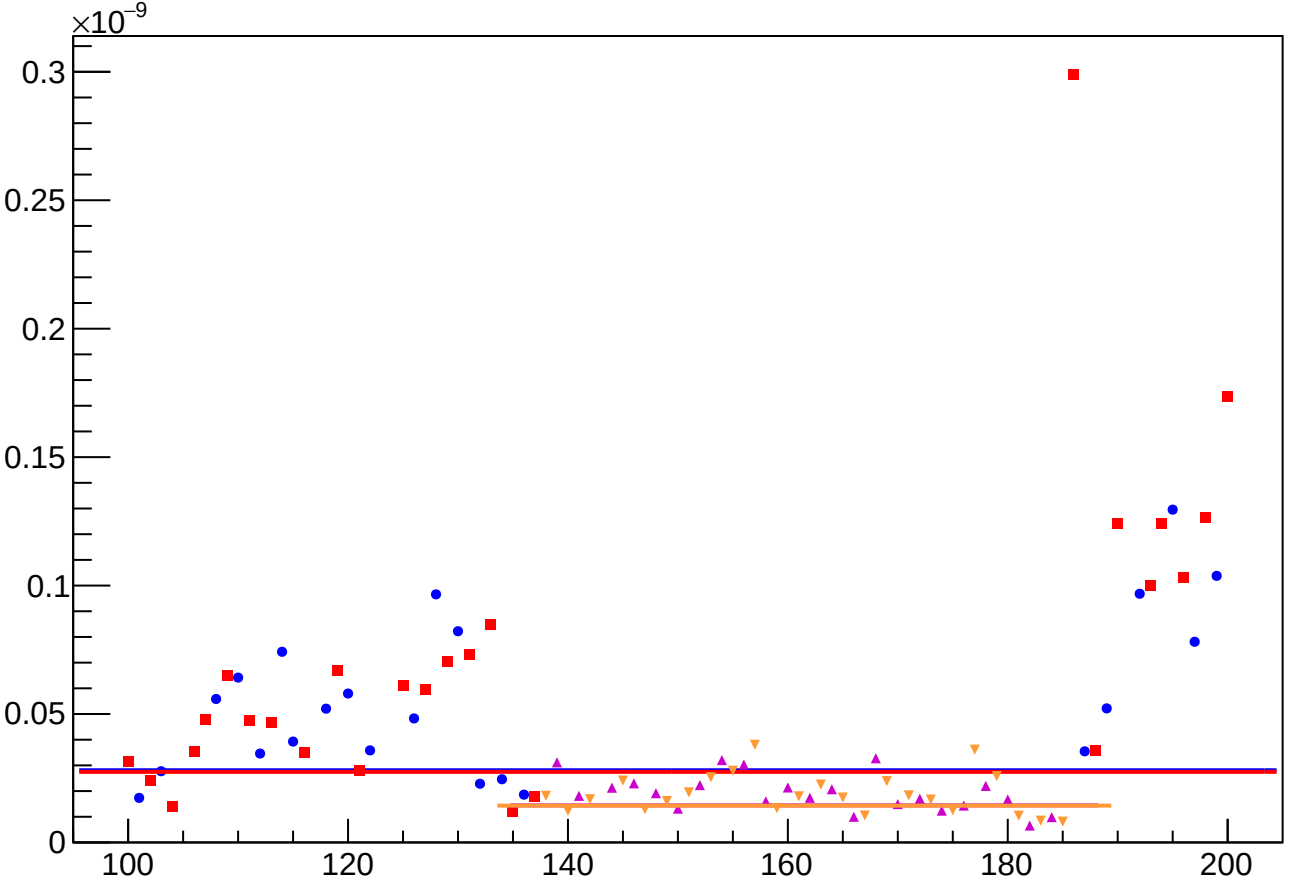
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/45

All: 0.000+/-0.000 χ^2/NDF: 110.8/94

- sign 0.000+/-0.000 χ^2/NDF: 64.7/48

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3981208.9/21

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

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

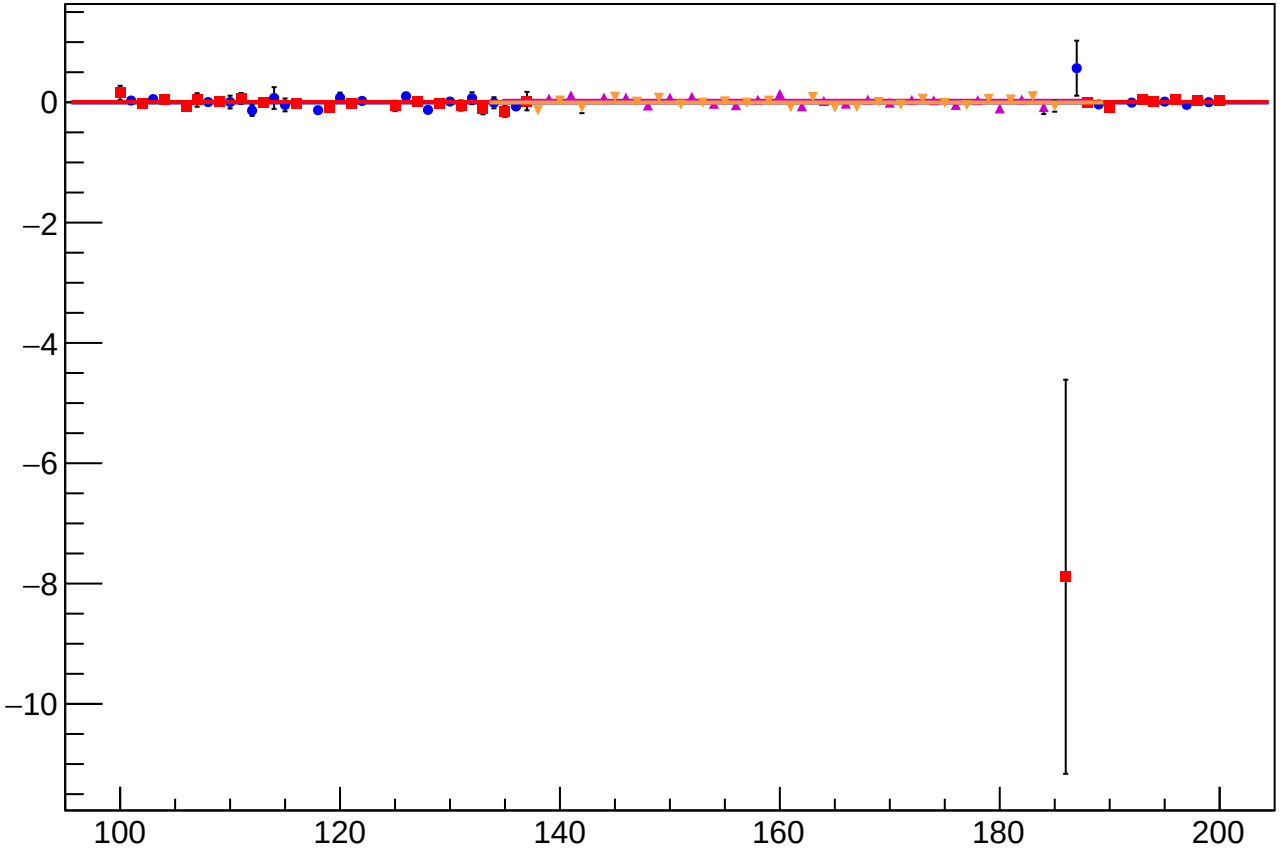
Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9651807.5/45

All: 0.000+/-0.000 χ^2/NDF: 22509256.2/94

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

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

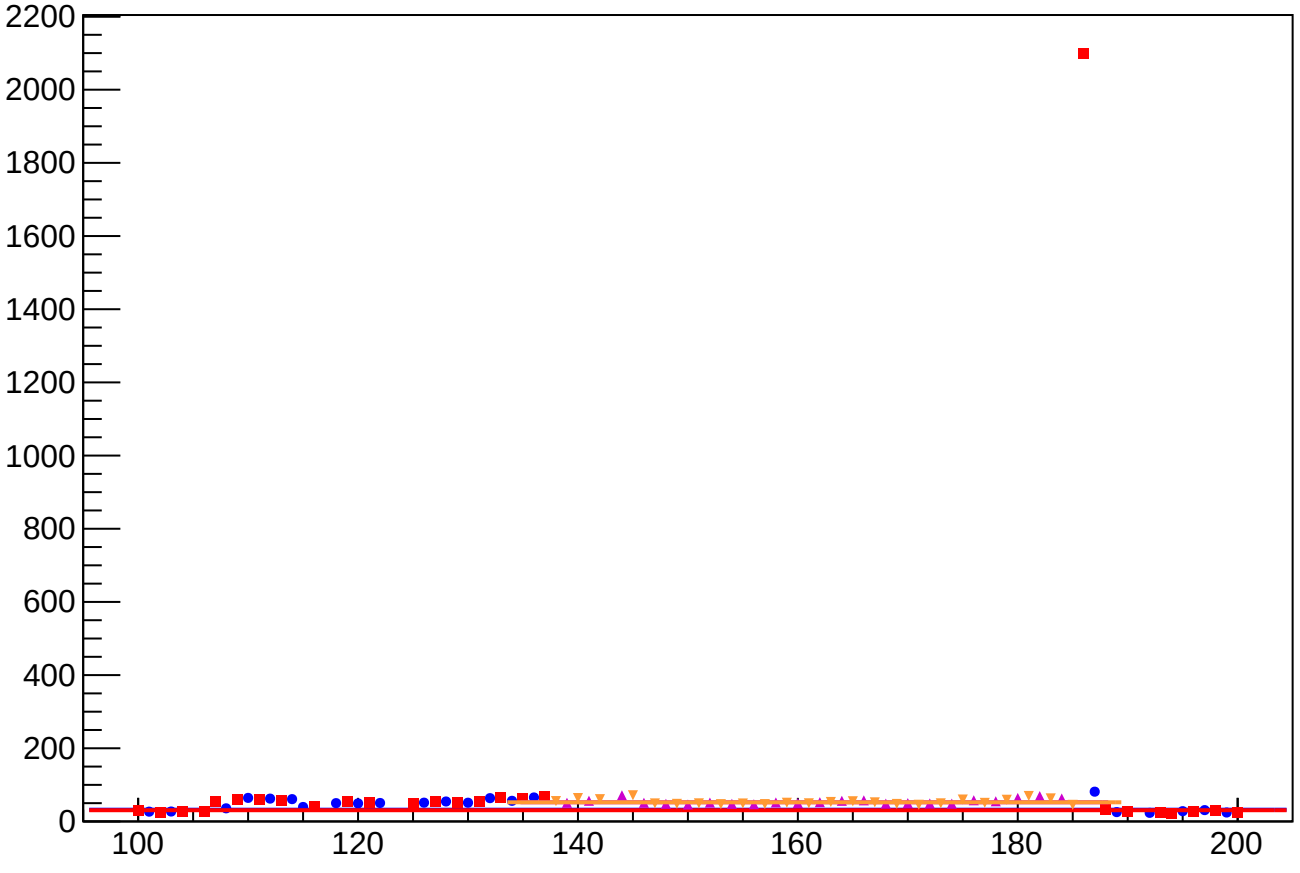
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/45

All: 0.005+/-0.005 χ^2/NDF: 100.0/94

- sign 0.013+/-0.008 χ^2/NDF: 55.1/48

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

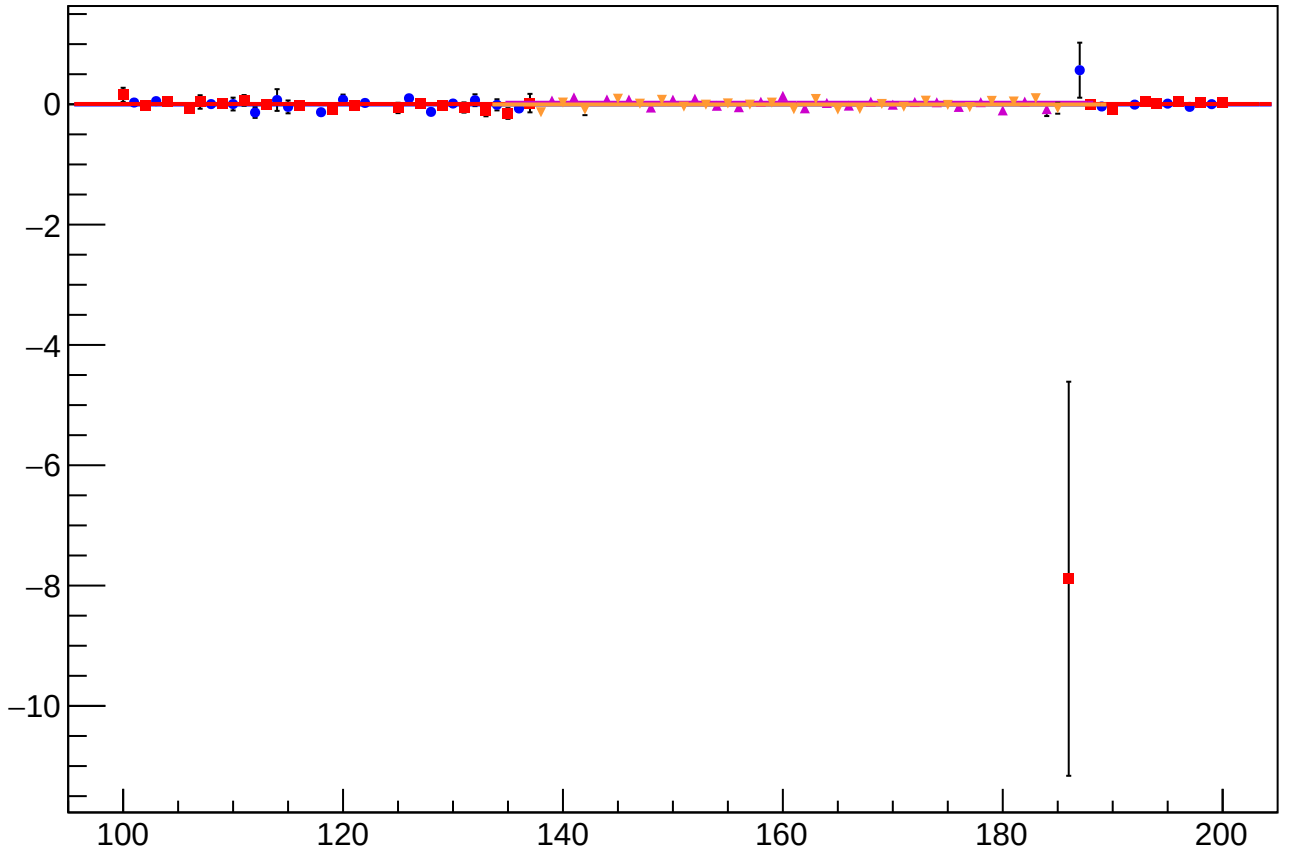
Right Out: 30.728+/-0.007 χ^2/NDF: 3684257.9/25

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

+ sign 40.493+/-0.006 χ^2/NDF: 6276960.6/45

All: 39.493+/-0.004 χ^2/NDF: 14323096.8/94

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



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

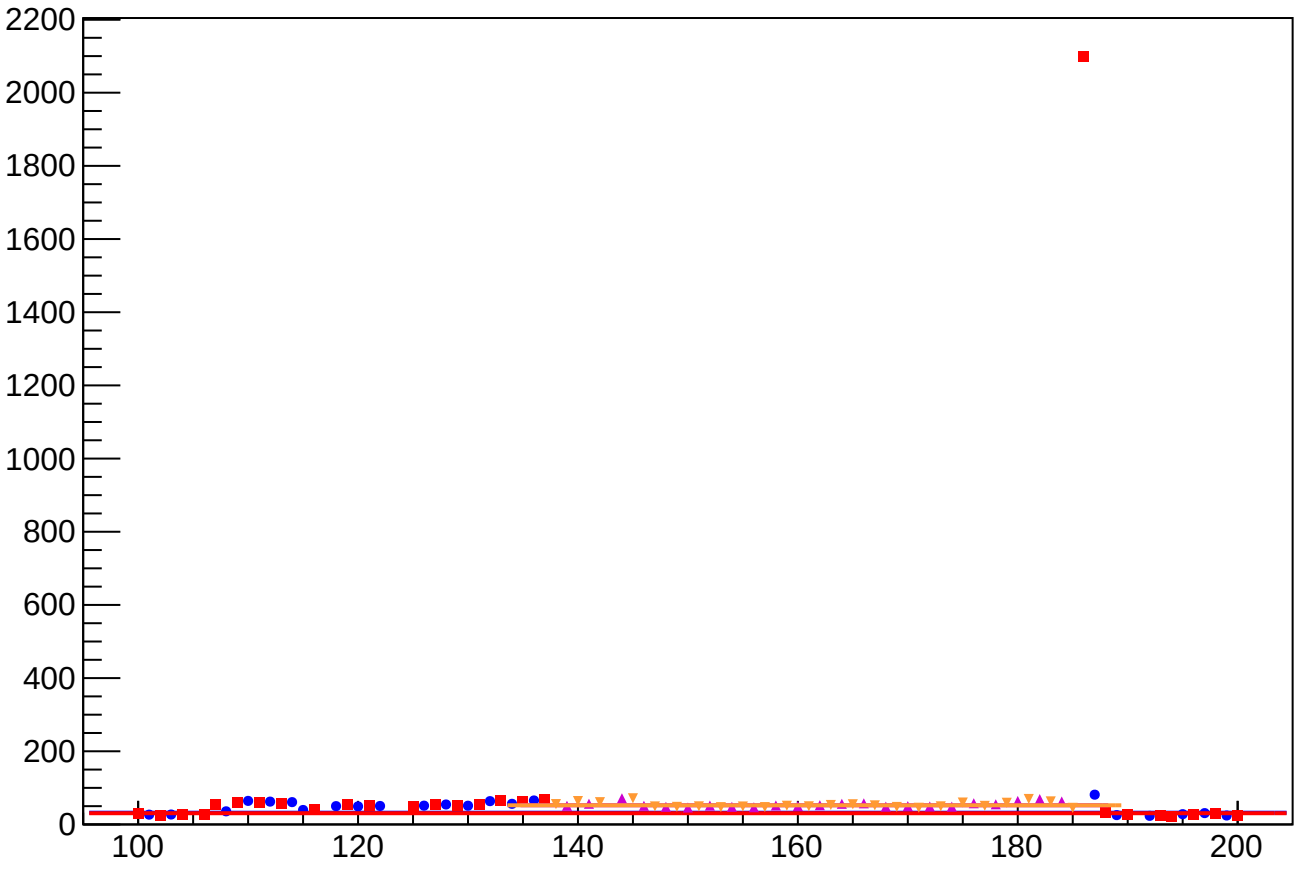
Right Out: 0.006+/-0.009 χ^2/NDF: 29.2/25

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

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/45

All: 0.005+/-0.005 χ^2/NDF: 100.0/94

- sign 0.013+/-0.008 χ^2/NDF: 55.1/48



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

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

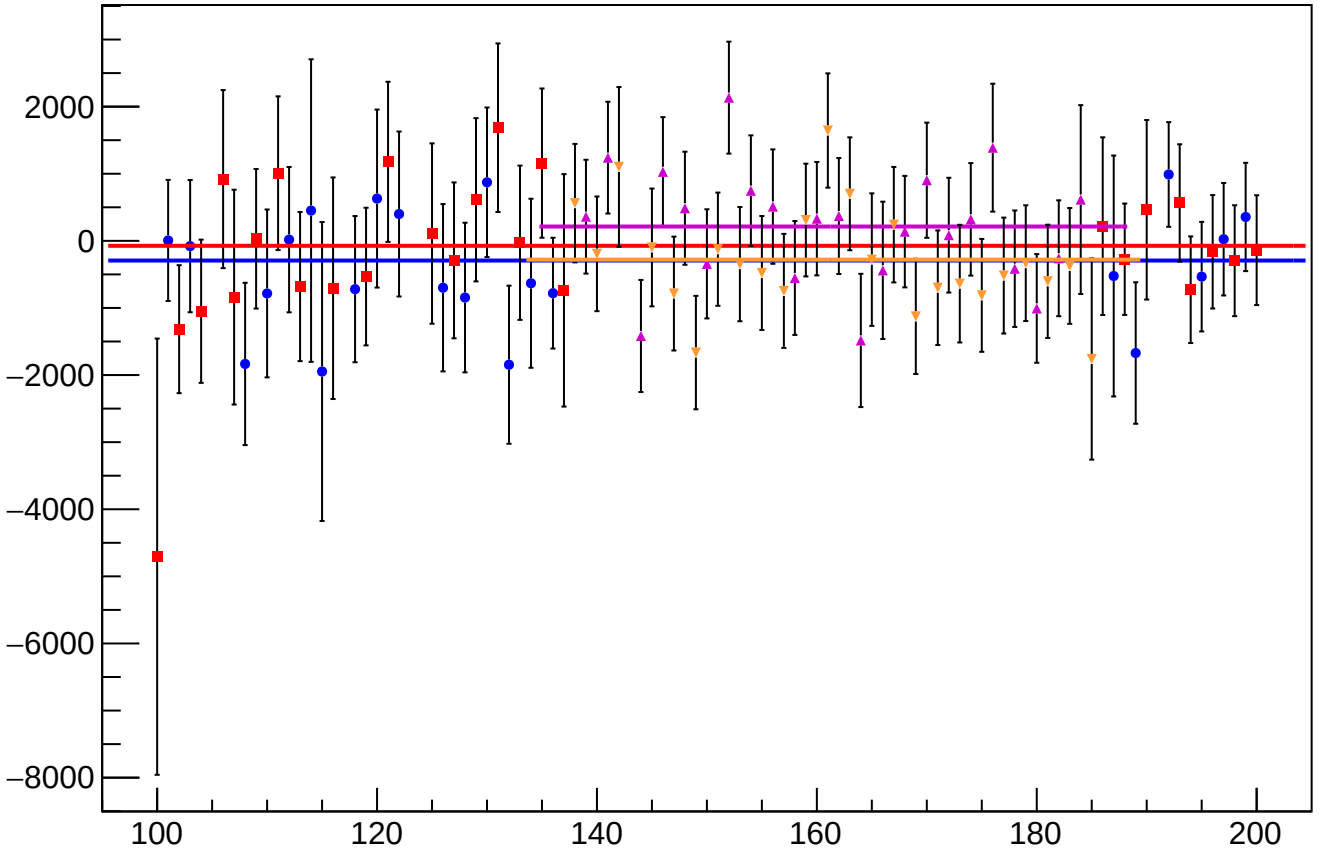
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 40.493+/-0.006 χ^2/NDF: 6276960.6/45

All: 39.493+/-0.004 χ^2/NDF: 14323096.8/94

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

reg_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

Right Out: -73.636+/-213.774 χ^2/NDF: 13.3/25

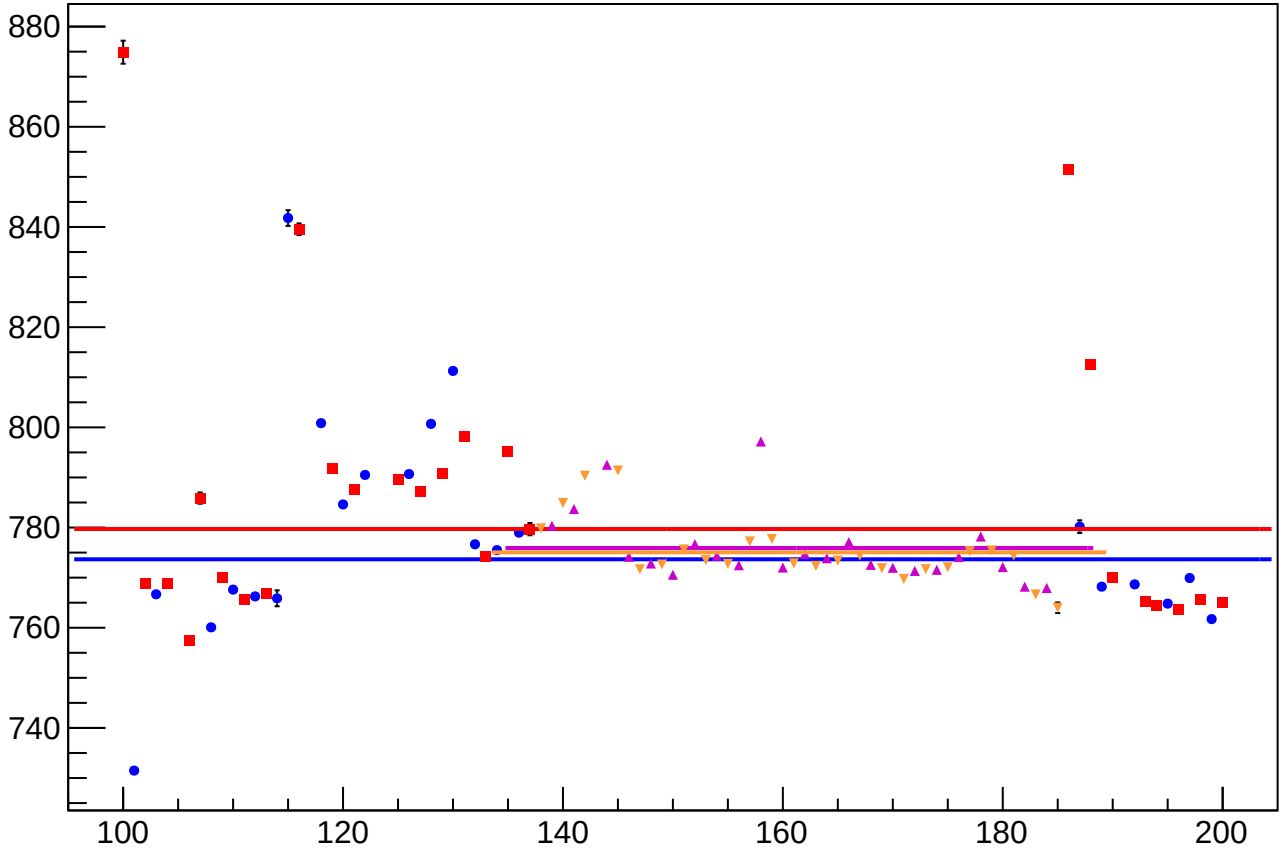
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.990+/-98.751 χ^2/NDF: 69.0/94

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

reg_asym_us_dd_rms vs Slug



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

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

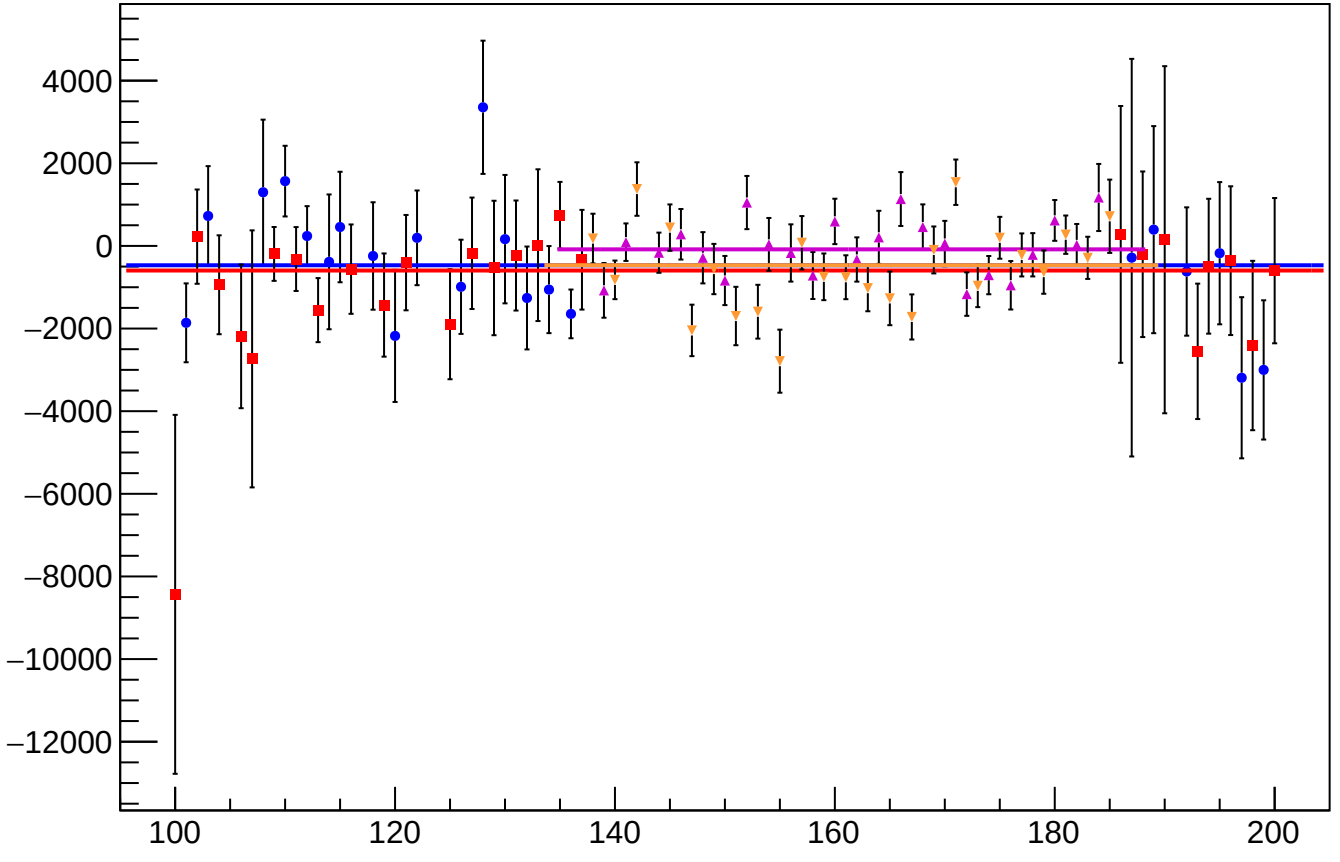
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94

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

asym_us_dd_reg_correction_mean vs Slug



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

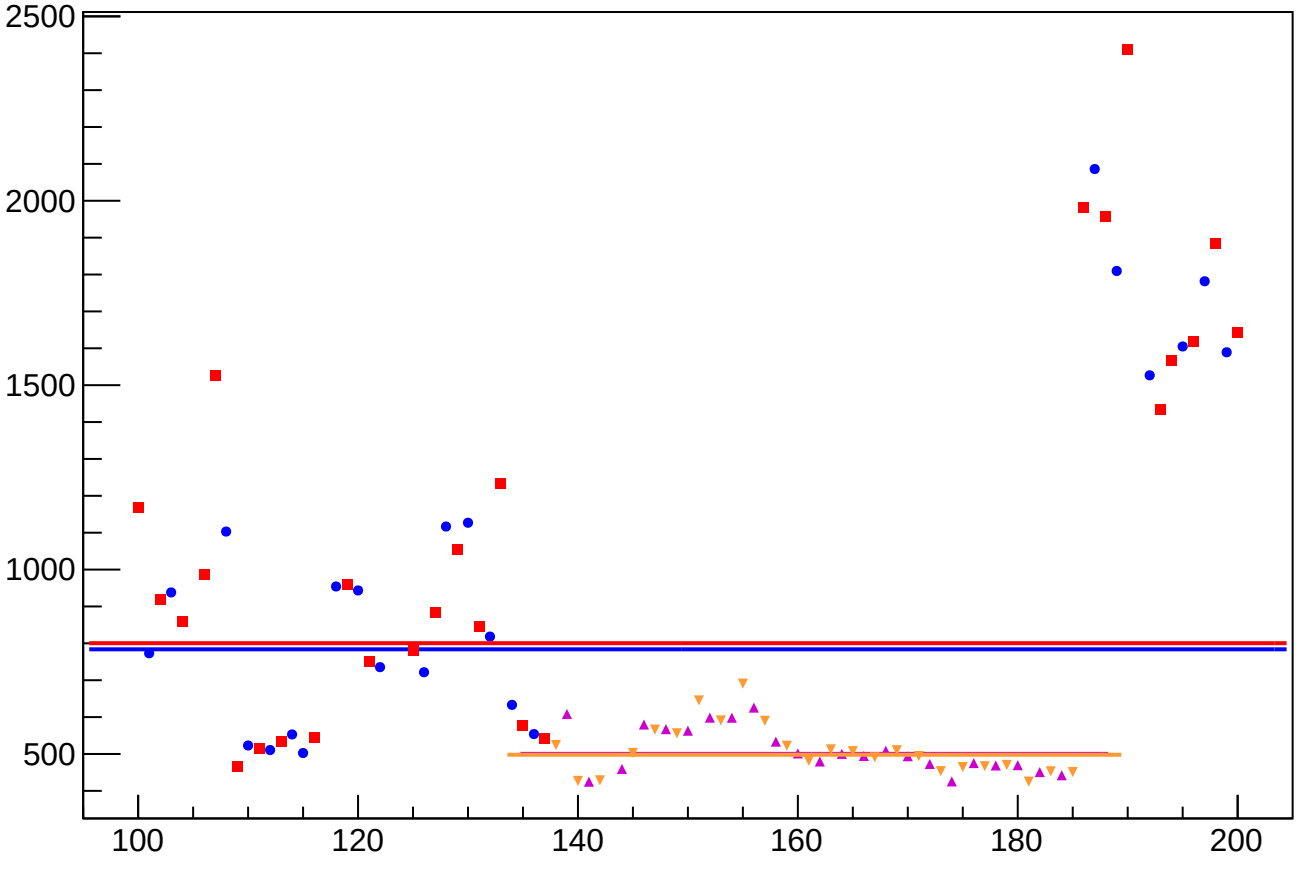
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -323.387+/-75.040 χ^2/NDF: 141.7/94

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

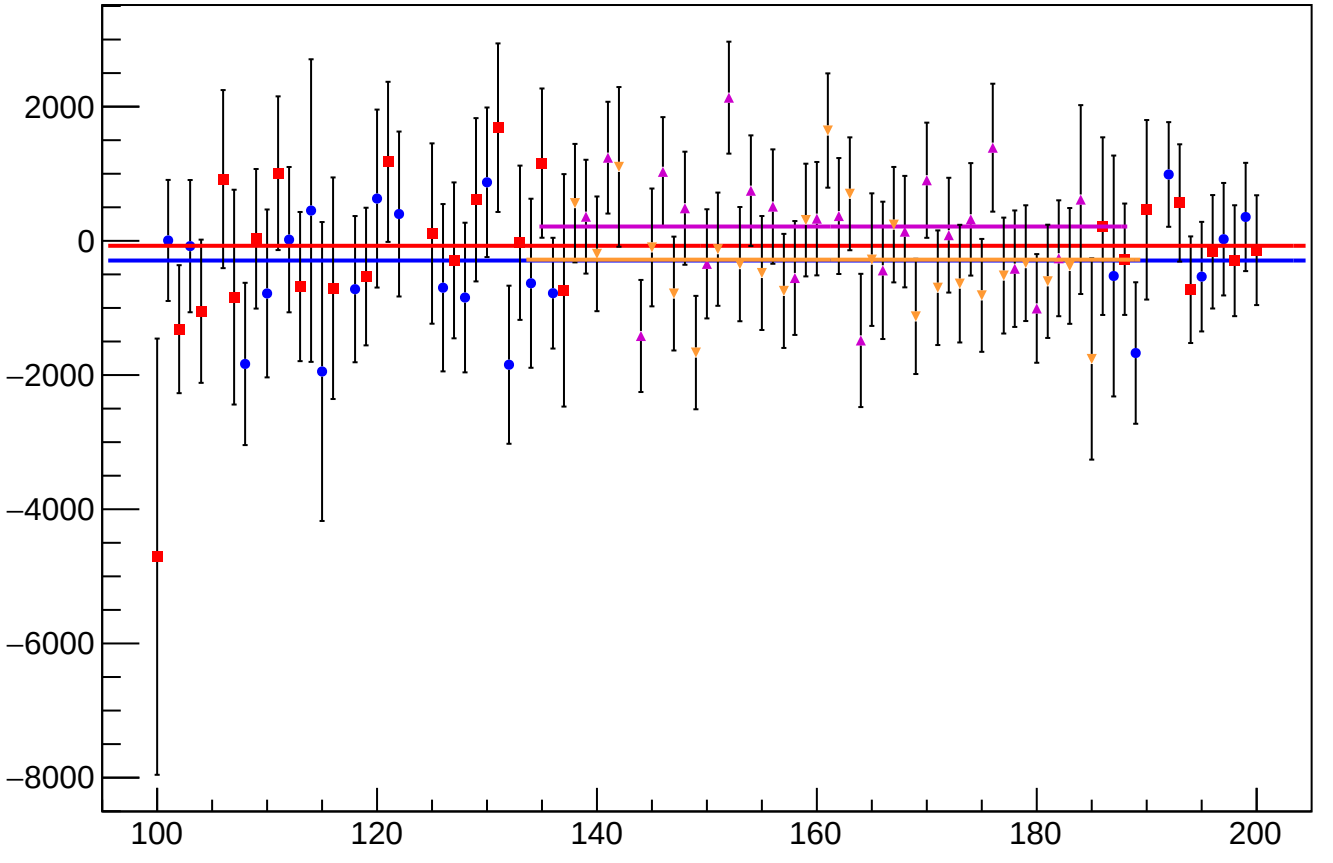
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94

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

cor_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

Right Out: -73.636+/-213.774 χ^2/NDF: 13.3/25

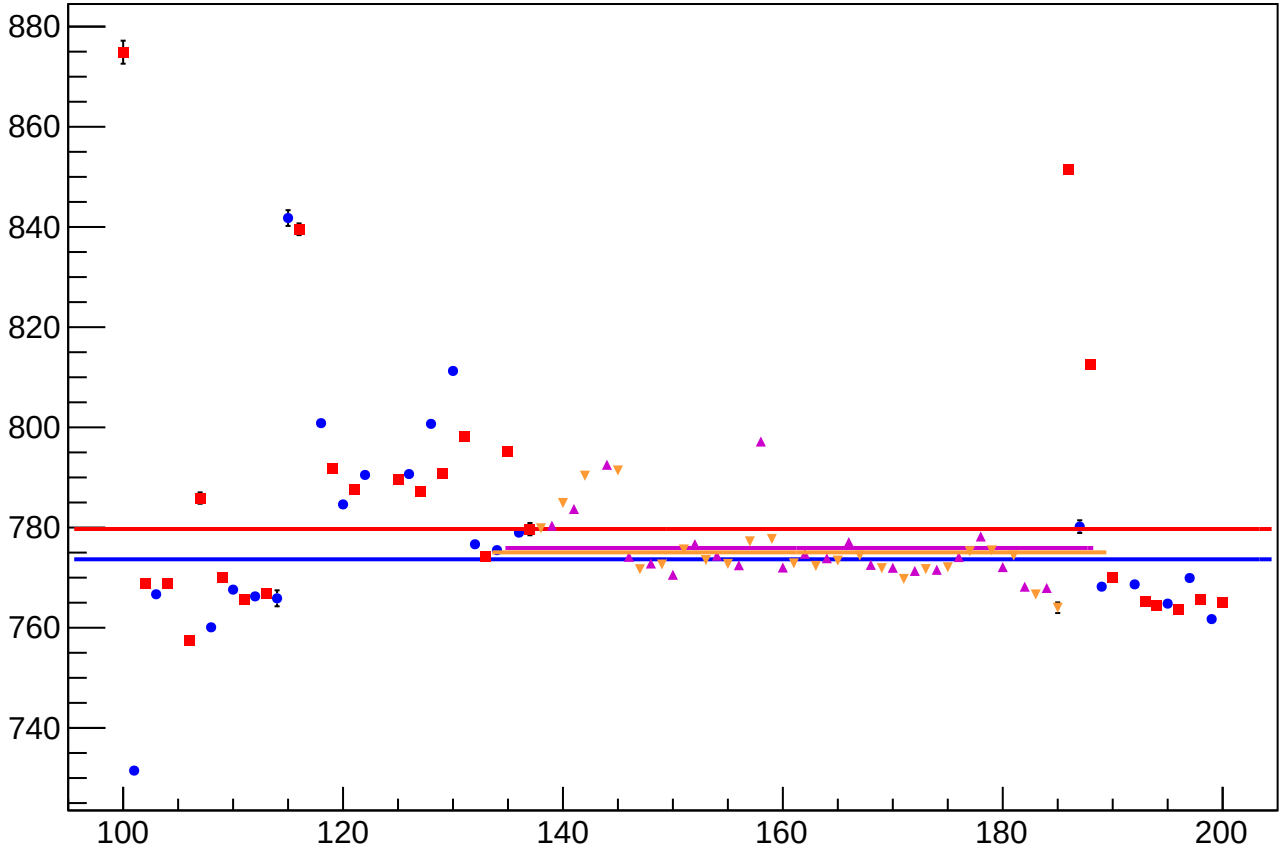
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.990+/-98.751 χ^2/NDF: 69.0/94

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

cor_asym_us_dd_rms vs Slug



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

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

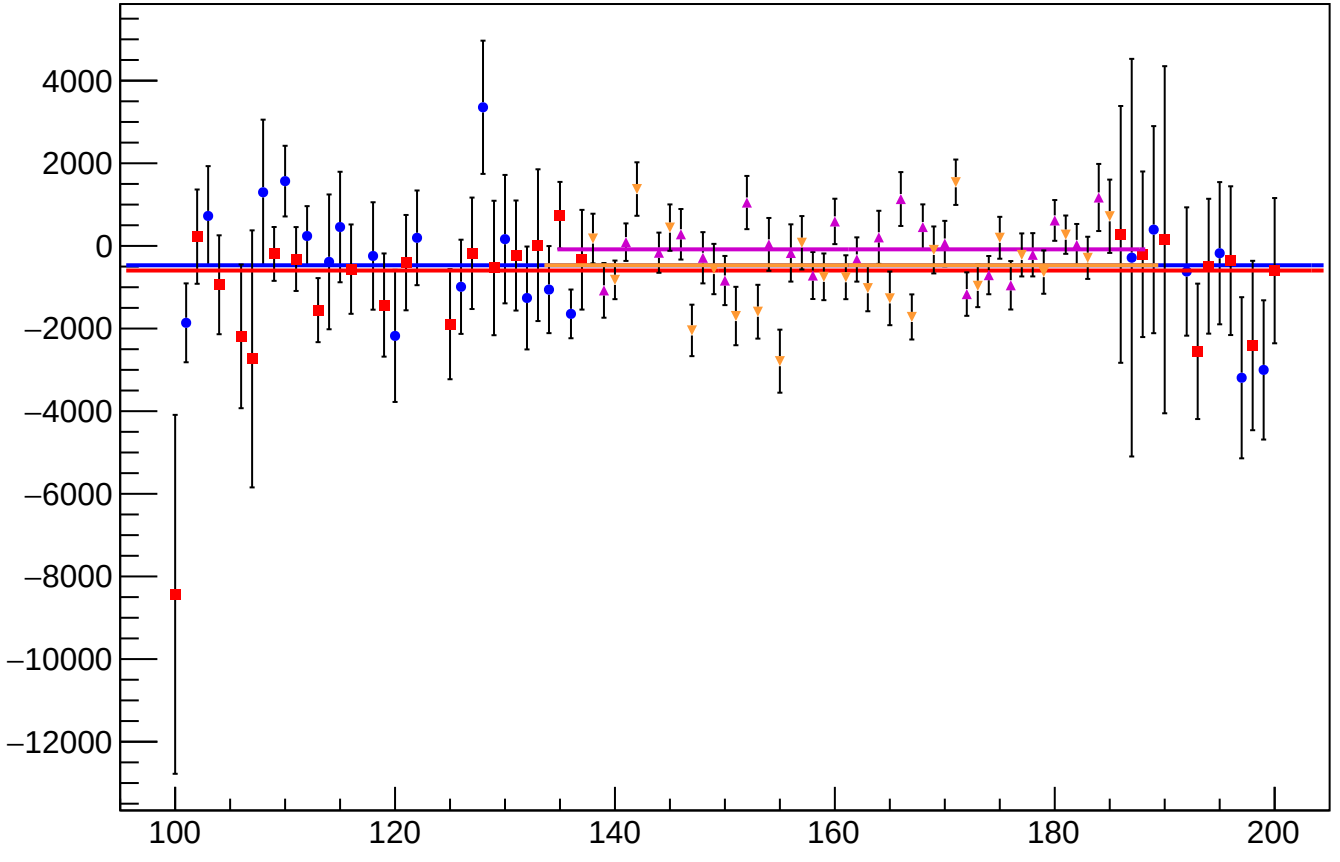
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

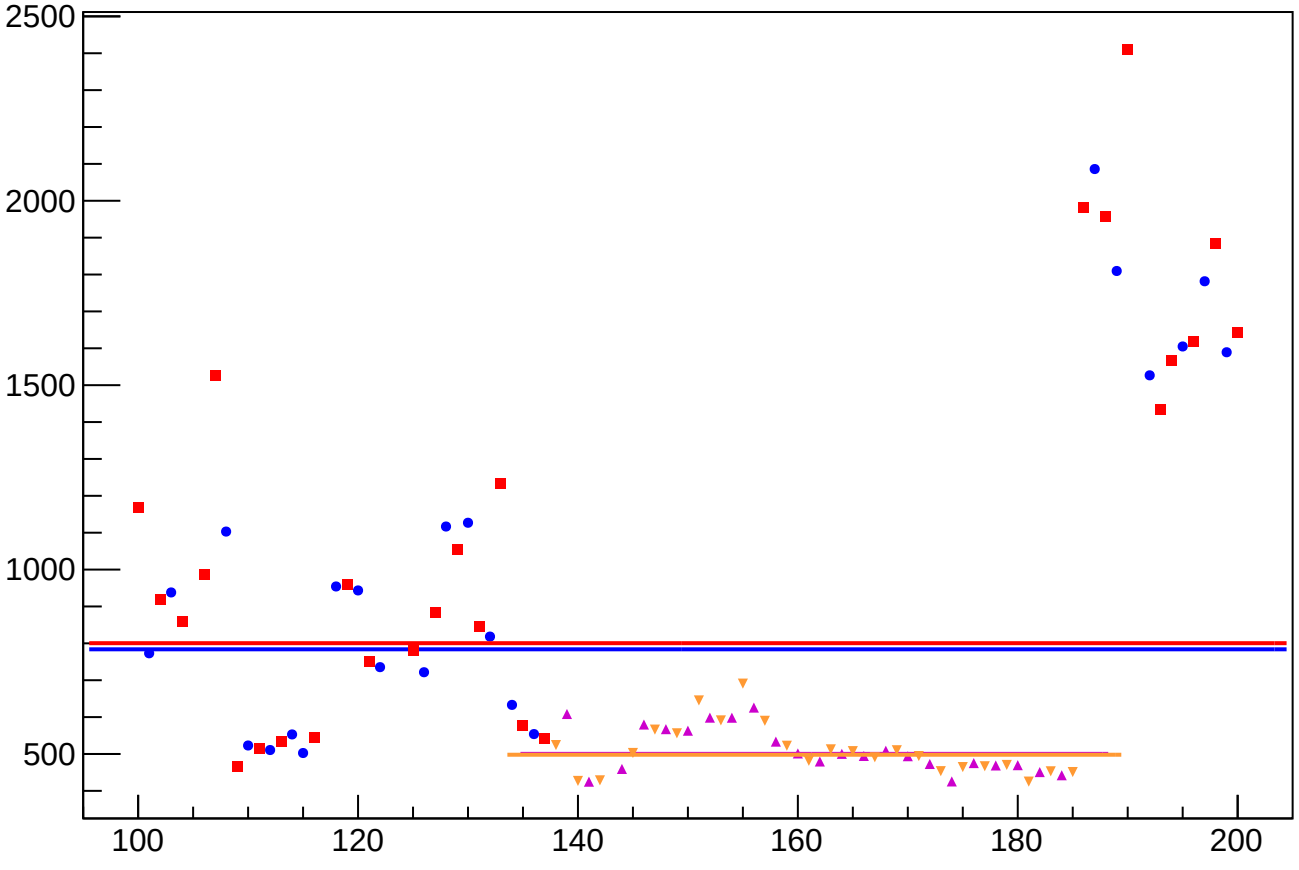
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -323.387+/-75.040 χ^2/NDF: 141.7/94

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

asym_us_dd_cor_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

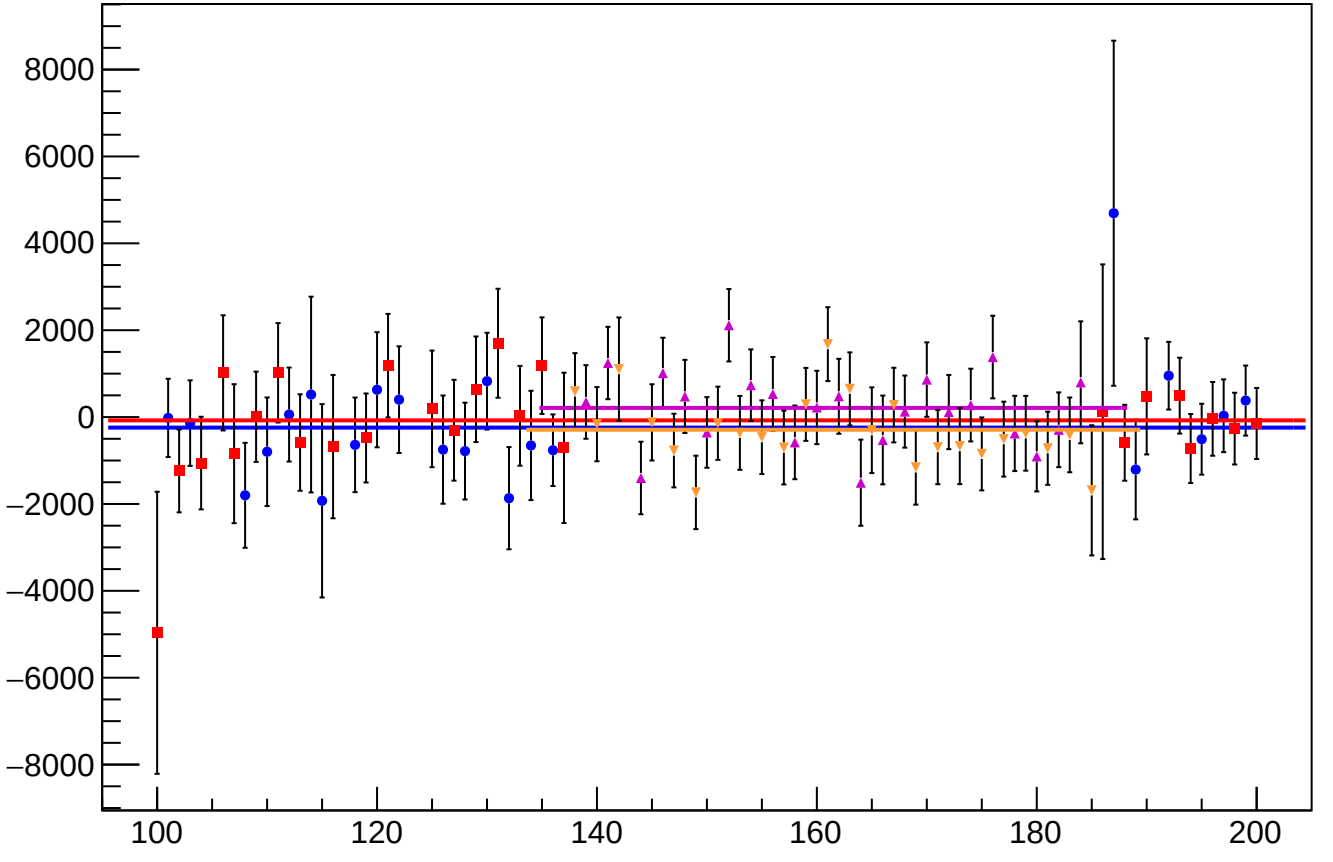
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -241.957+/-229.802 χ^2/NDF: 12.7/21

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

Right Out: -75.680+/-216.800 χ^2/NDF: 13.6/25

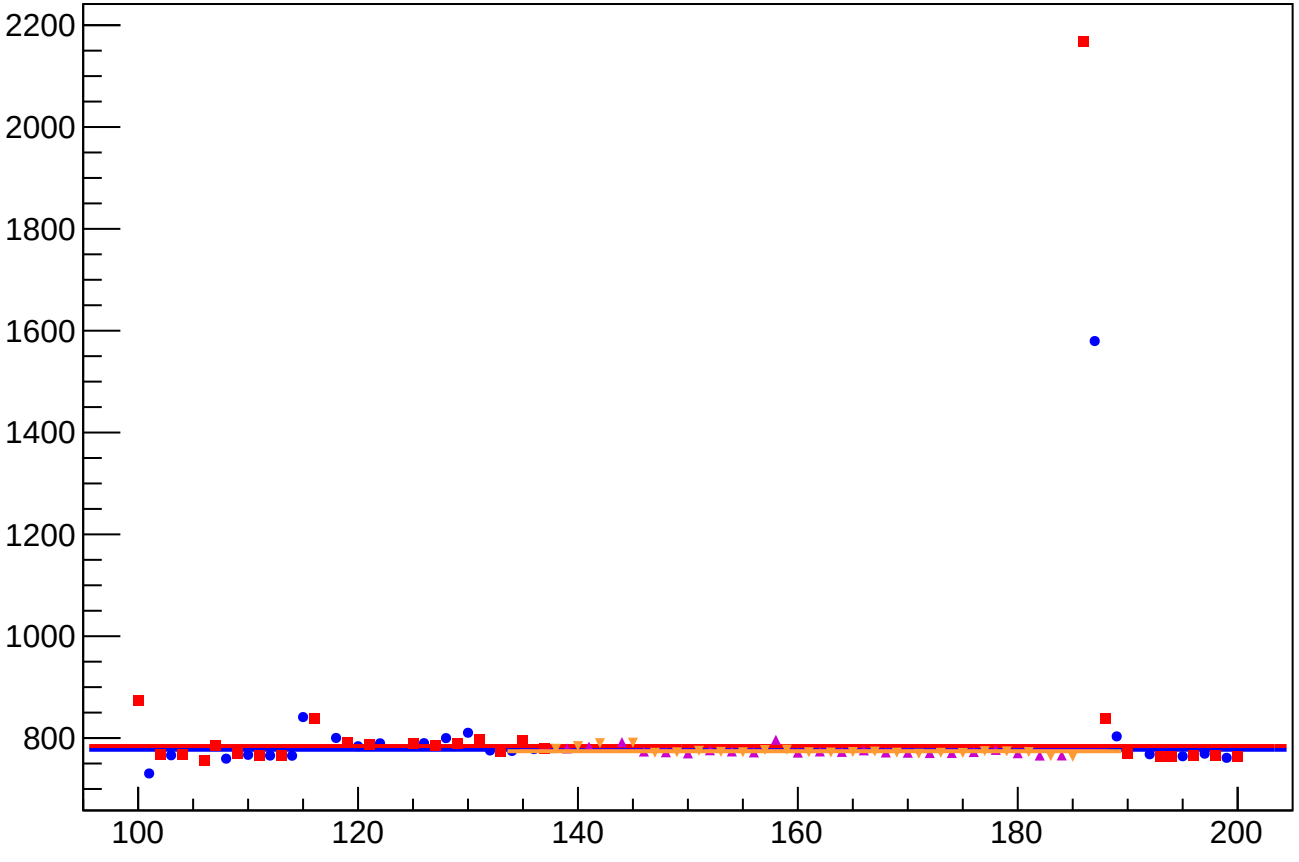
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -273.037+/-141.543 χ^2/NDF: 29.3/45

All: -86.376+/-99.146 χ^2/NDF: 69.5/94

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 777.036+/-0.162 χ^2/NDF: 96525.3/21

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

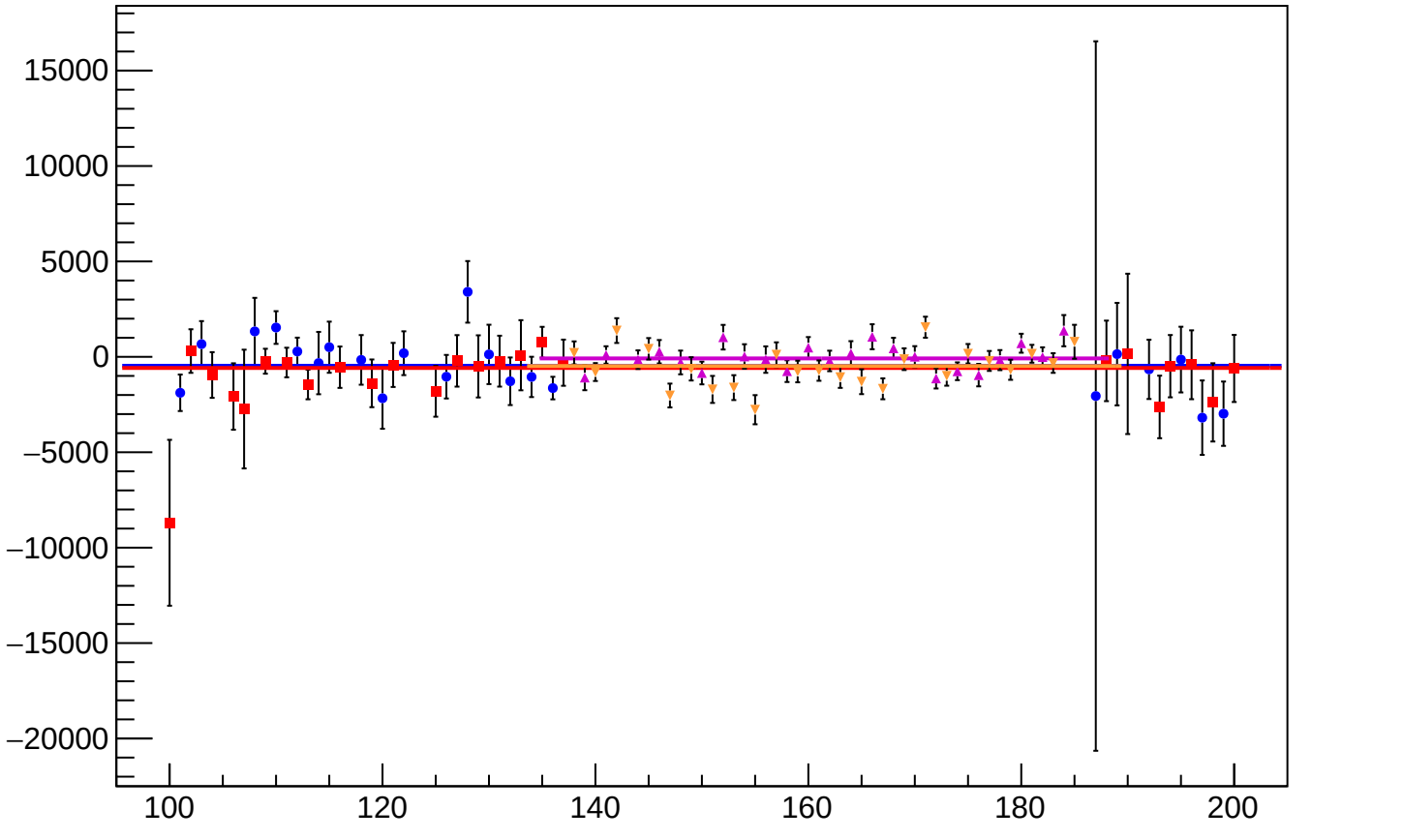
Right Out: 784.336+/-0.153 χ^2/NDF: 353987.3/25

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

+ sign 775.240+/-0.100 χ^2/NDF: 98782.7/45

All: 777.067+/-0.070 χ^2/NDF: 458763.6/94

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



Right In: -468.878+/-253.781 χ^2/NDF: 27.8/21

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

Right Out: -583.614+/-247.524 χ^2/NDF: 13.9/24

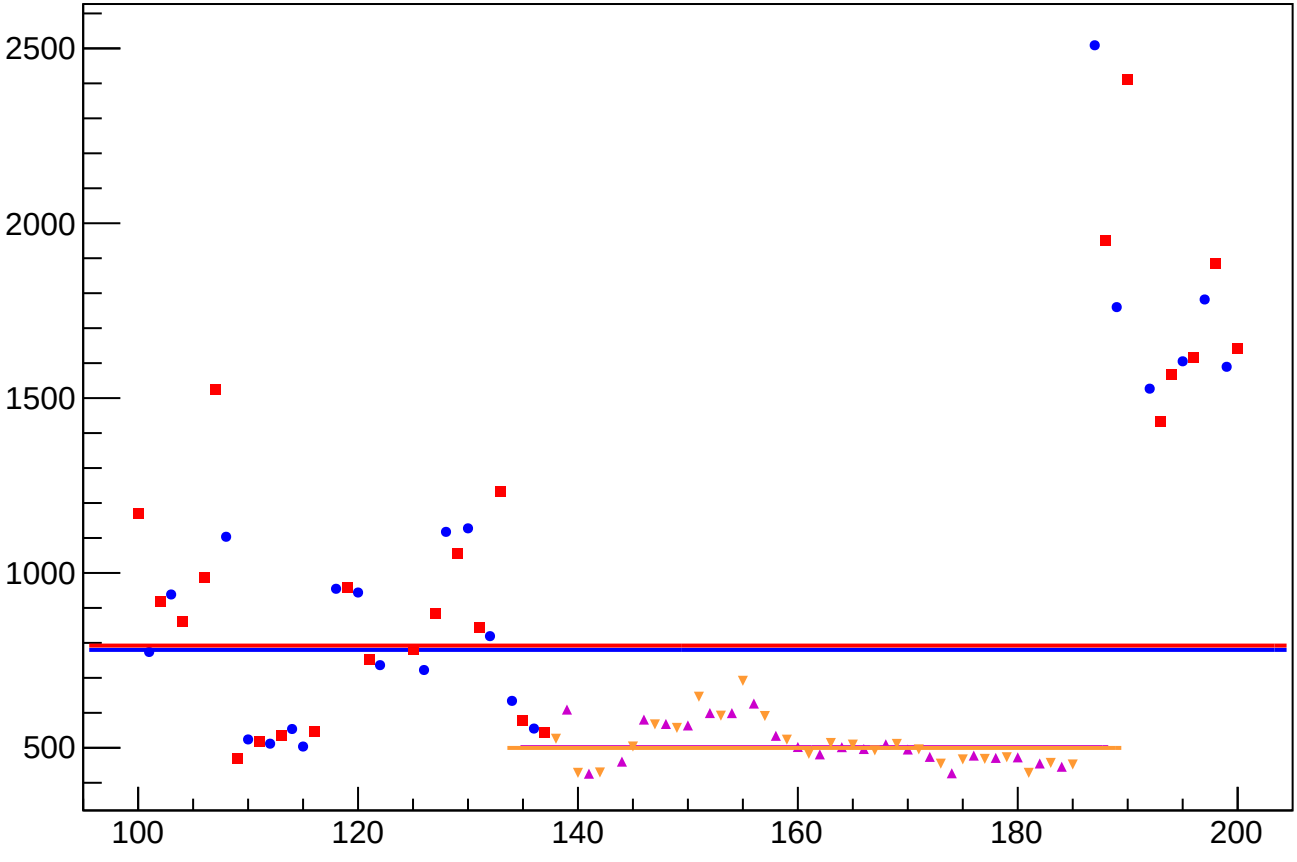
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

\+ sign -479.131+/-106.320 χ^2/NDF: 91.3/45

All: -328.102+/-75.299 χ^2/NDF: 140.8/93

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 779.957+/-0.179 χ^2/NDF: 3456397.2/21

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

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

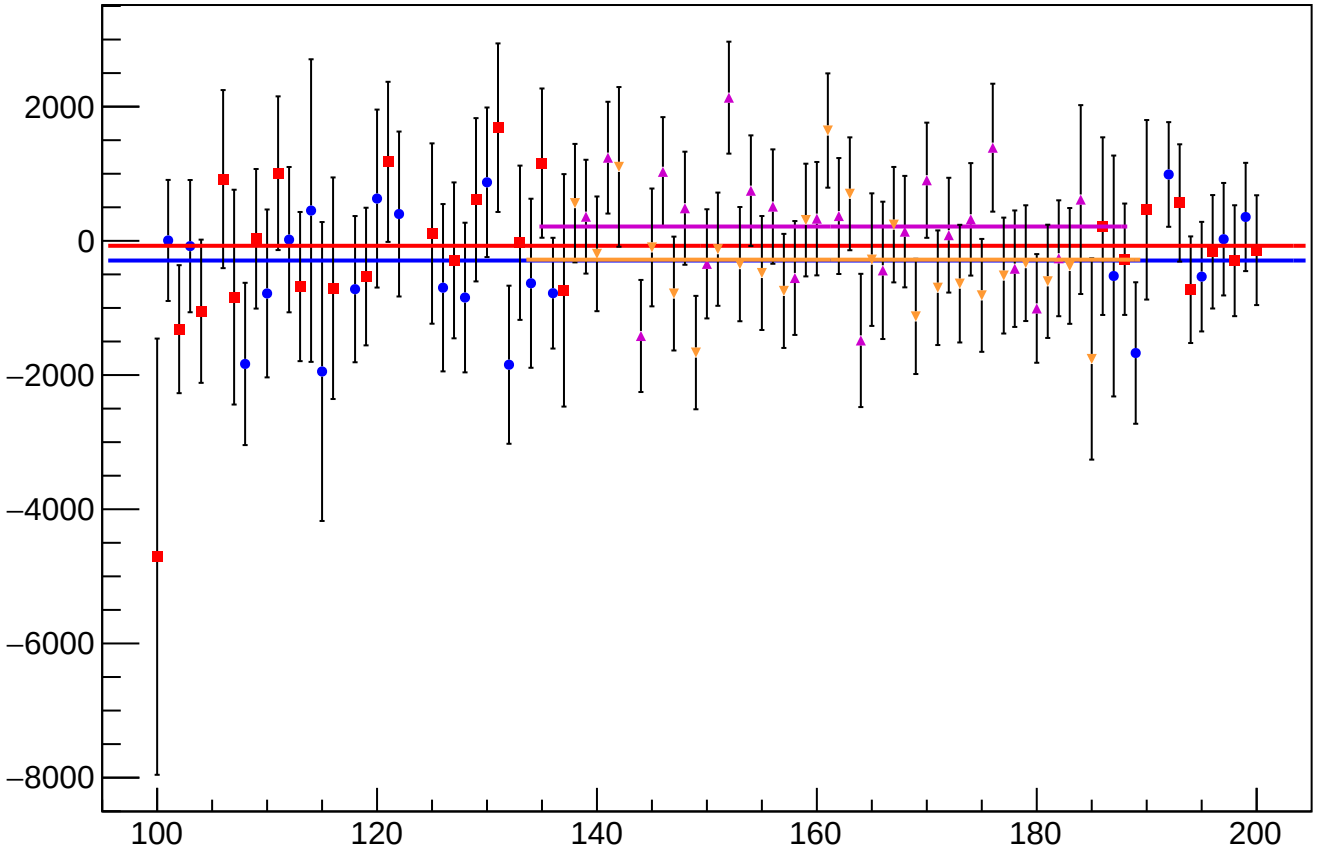
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

\+ sign 548.865+/-0.075 χ^2/NDF: 5984127.4/45

All: 552.385+/-0.053 χ^2/NDF: 13499881.2/93

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

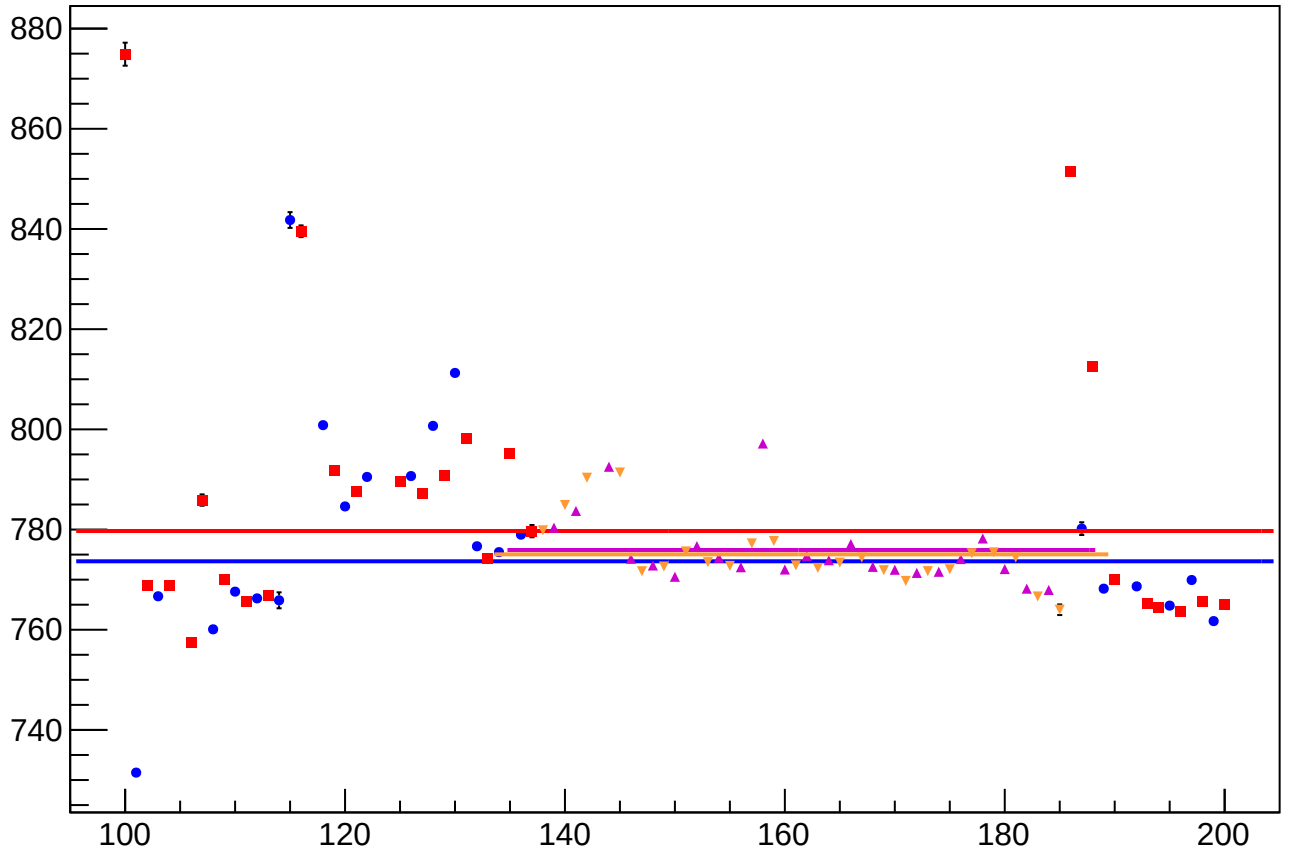
Right Out: -73.636+/-213.774 χ^2/NDF: 13.3/25

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

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.990+/-98.751 χ^2/NDF: 69.0/94

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



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

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

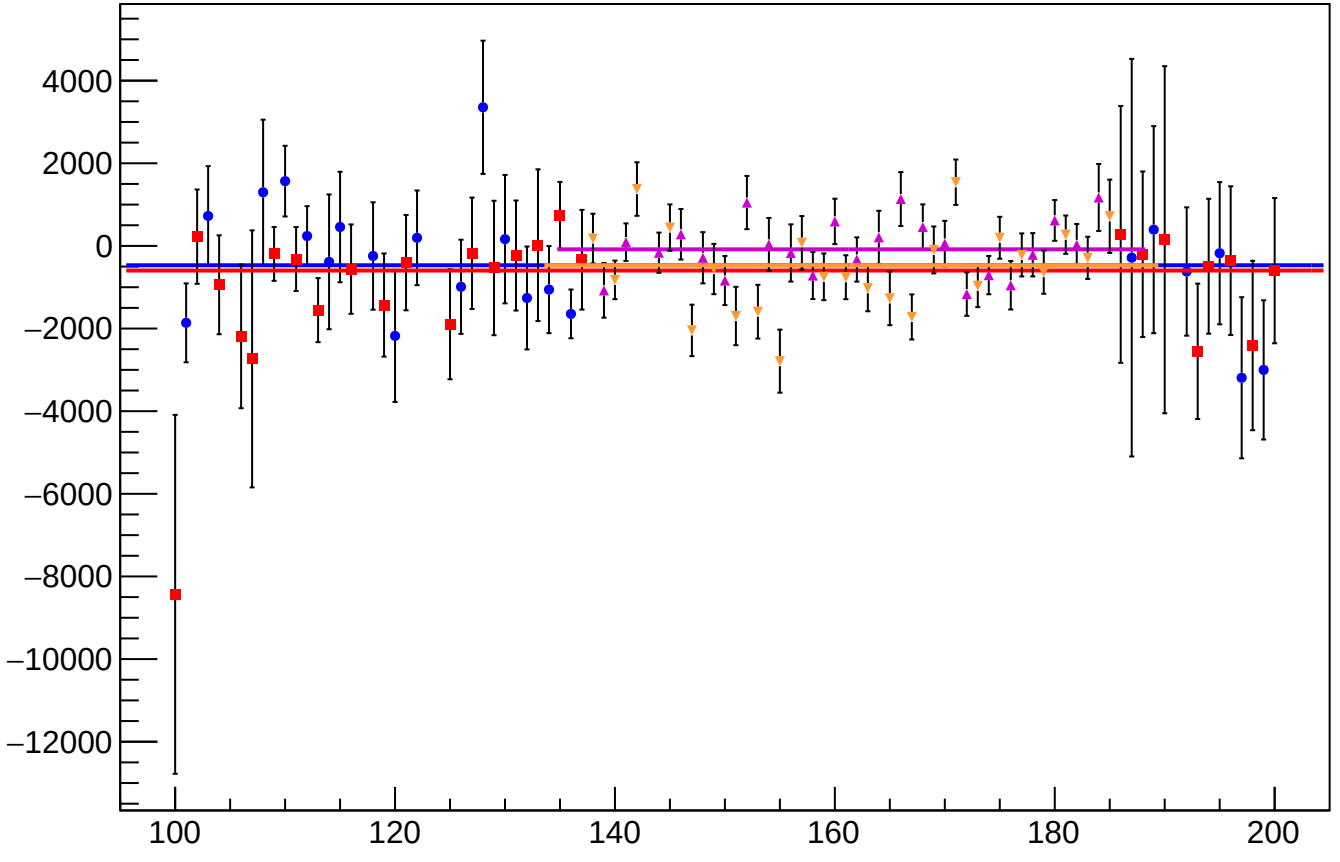
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94

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

asym_us_dd_eigen_cor_correction_mean vs Slug



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

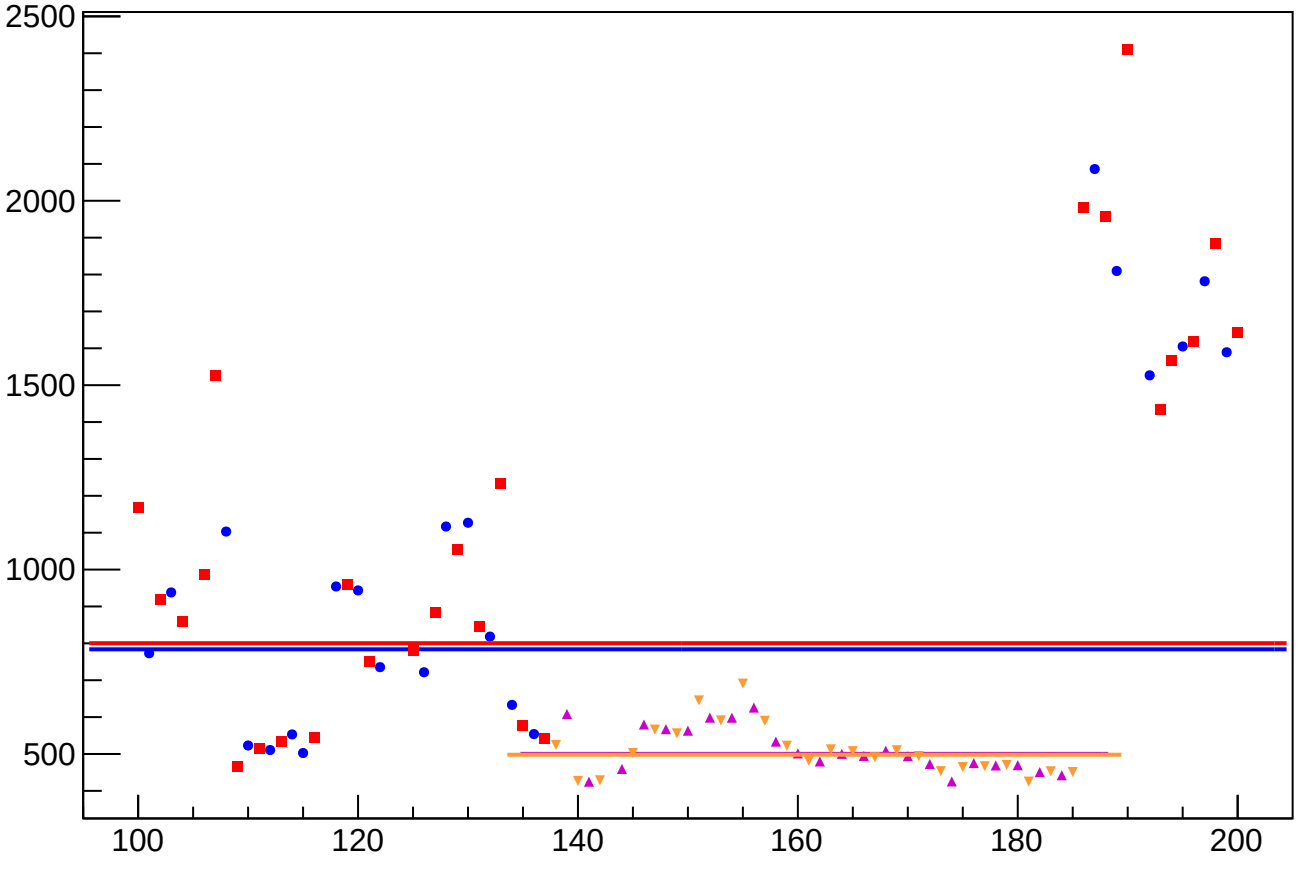
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -323.387+/-75.040 χ^2/NDF: 141.7/94

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

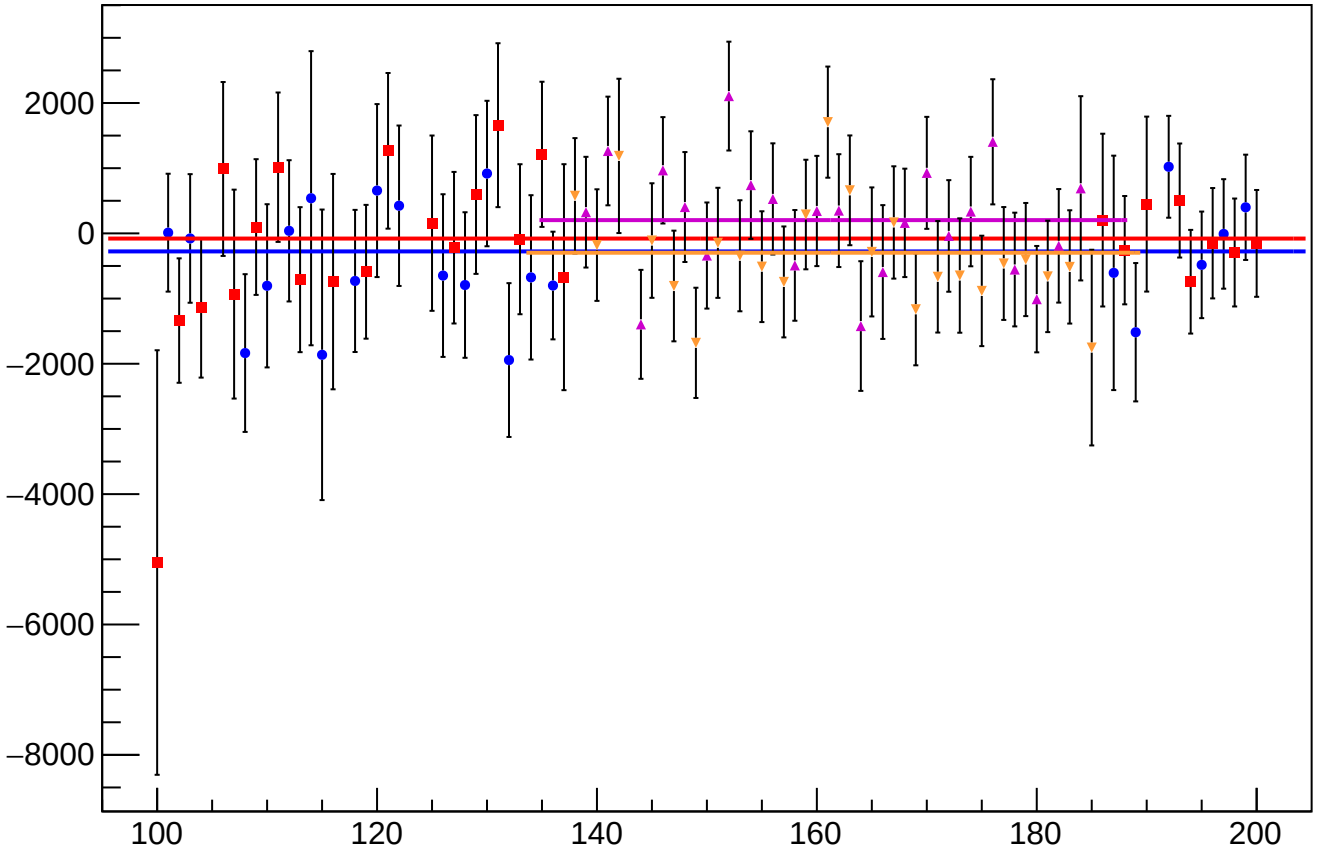
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94

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

dit_asym_us_dd_mean vs Slug



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

Right Out: -79.520+/-214.026 χ^2/NDF: 14.1/25

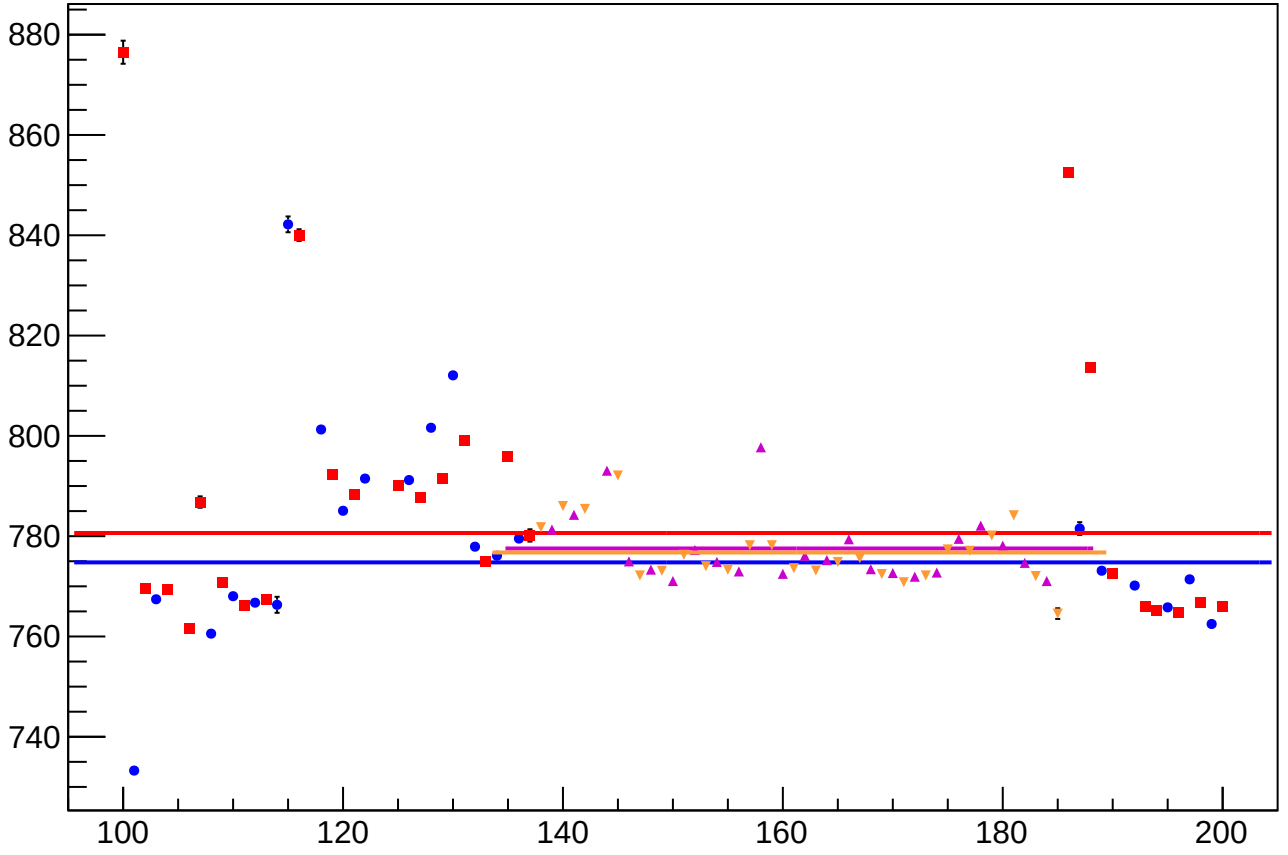
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -289.033+/-141.416 χ^2/NDF: 29.4/45

All: -98.062+/-98.930 χ^2/NDF: 70.2/94

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

dit_asym_us_dd_rms vs Slug



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

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

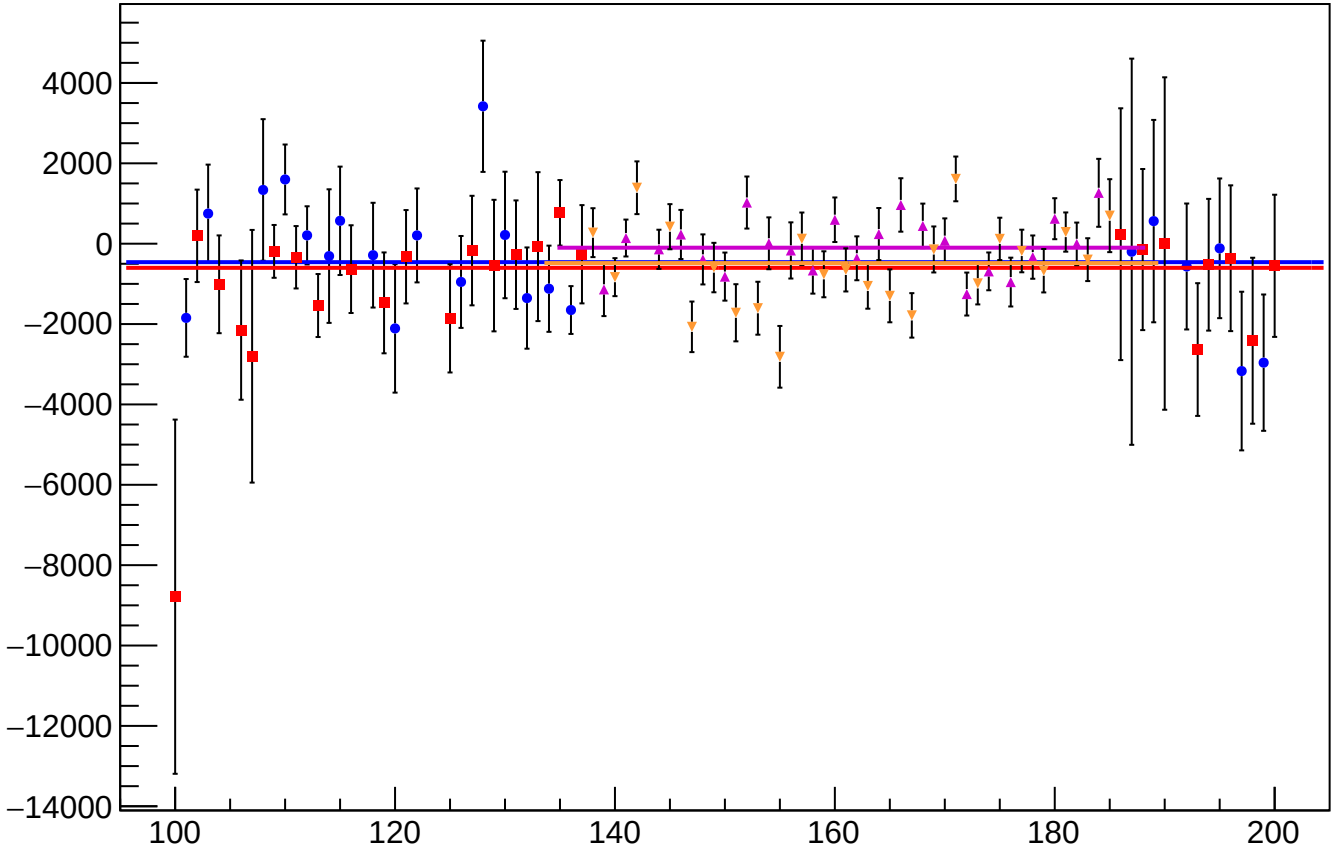
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.990+/-0.100 χ^2/NDF: 14876.8/45

All: 777.446+/-0.070 χ^2/NDF: 38180.5/94

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -459.845+/-255.400 χ^2/NDF: 27.7/21

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

Right Out: -600.588+/-248.325 χ^2/NDF: 14.3/25

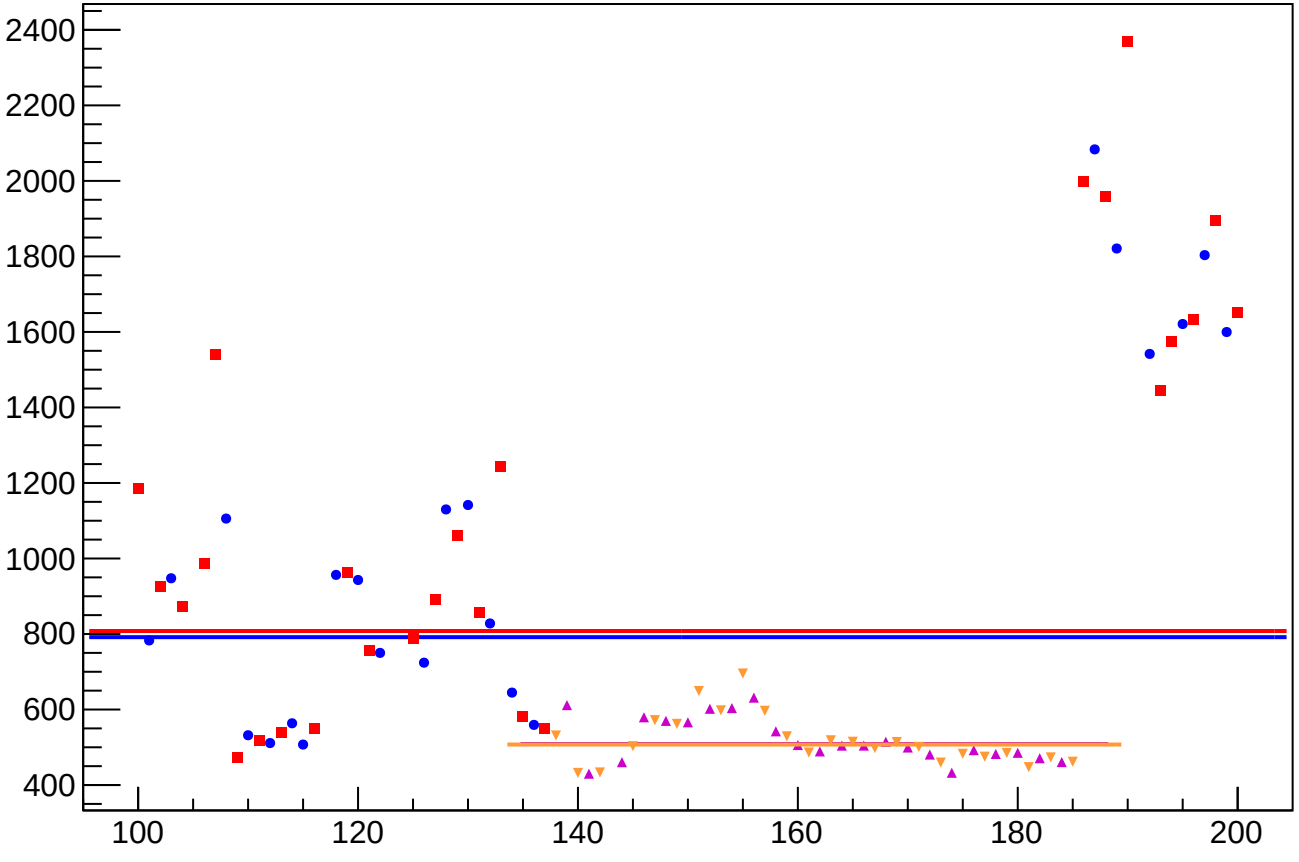
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.787+/-107.721 χ^2/NDF: 92.8/45

All: -336.681+/-76.202 χ^2/NDF: 141.3/94

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 791.628+/-0.181 χ^2/NDF: 3661776.0/21

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

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

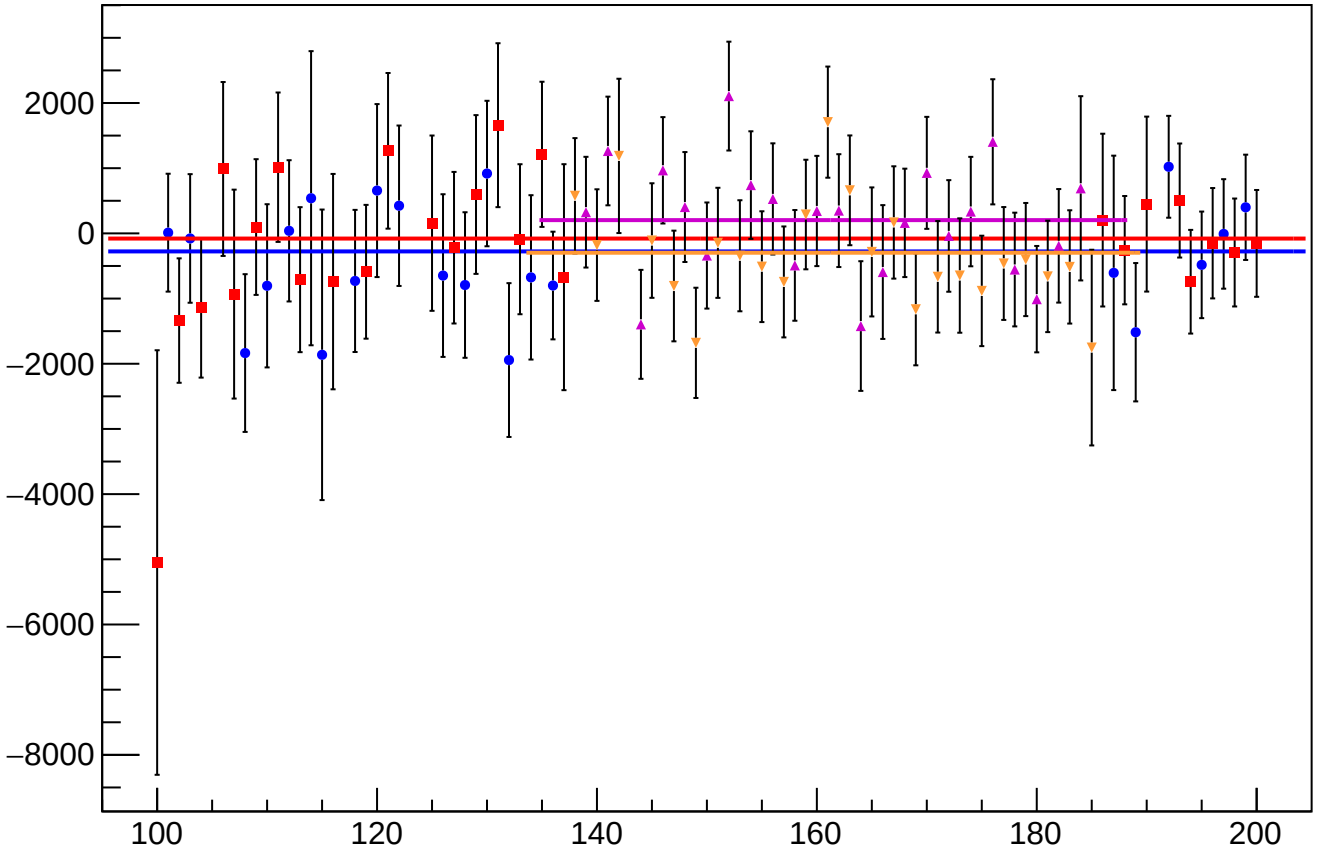
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 557.896+/-0.076 χ^2/NDF: 6173262.8/45

All: 561.471+/-0.054 χ^2/NDF: 14124103.9/94

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

eigen_dit_asym_us_dd_mean vs Slug



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

Right Out: -79.519+/-214.026 χ^2/NDF: 14.1/25

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+ sign -289.033+/-141.416 χ^2/NDF: 29.4/45

All: -98.062+/-98.930 χ^2/NDF: 70.2/94

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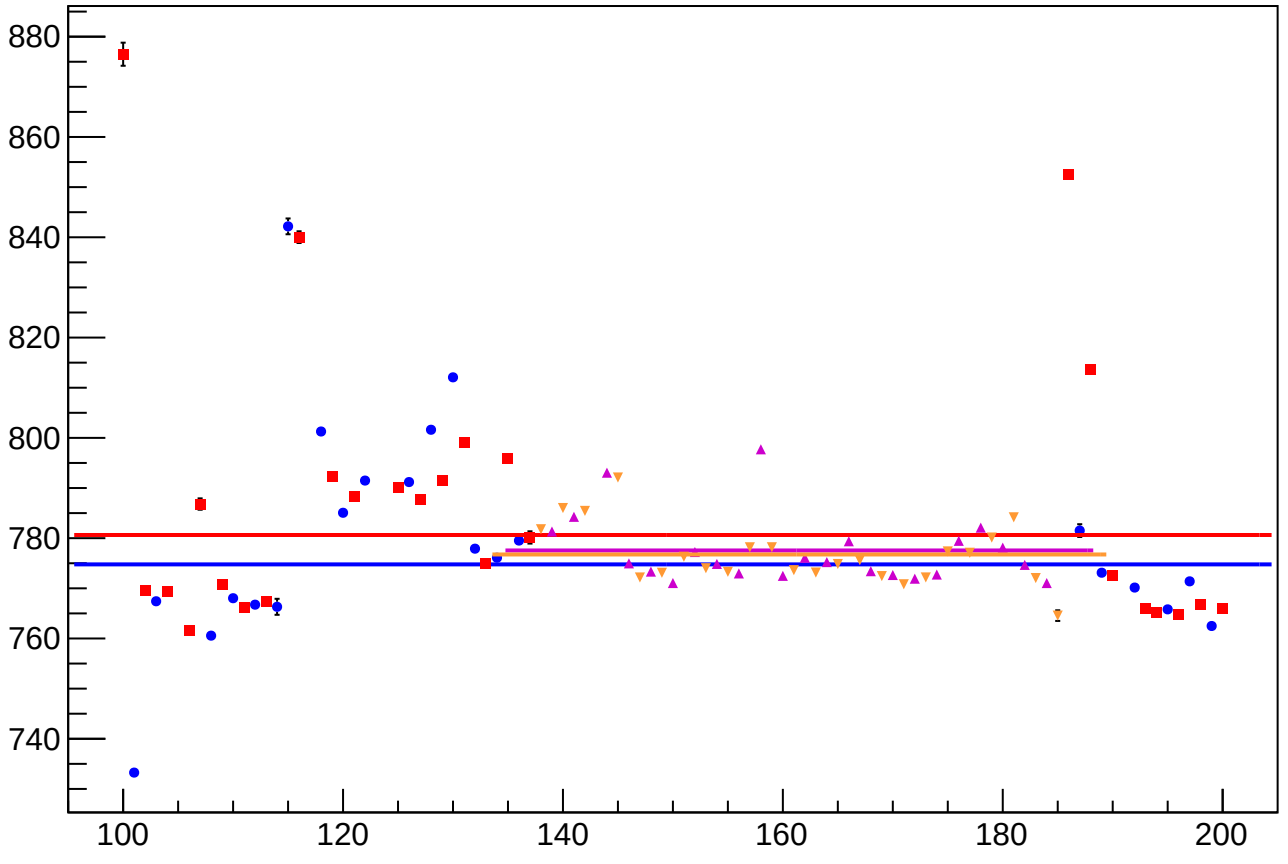


Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

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

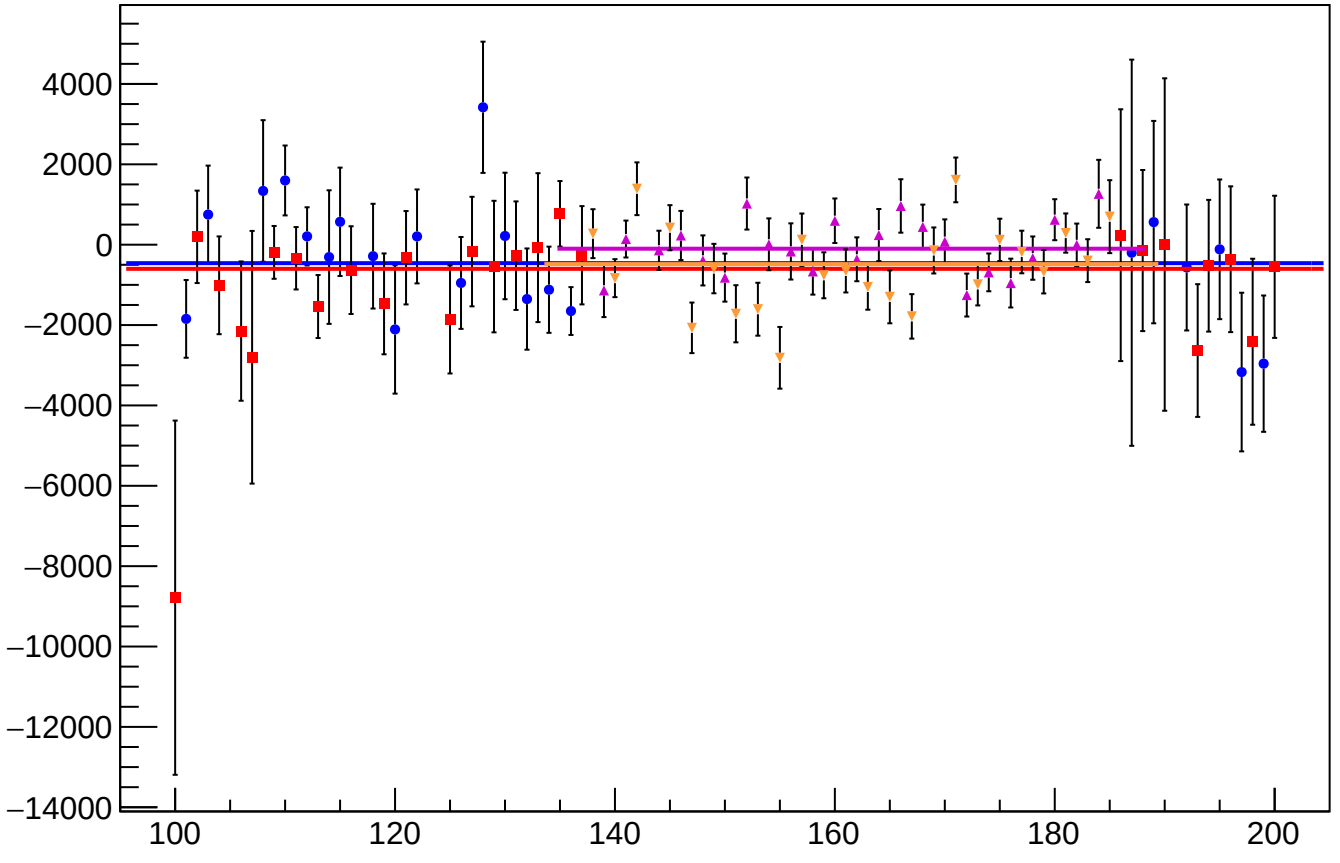
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.990+/-0.100 χ^2/NDF: 14876.8/45

All: 777.446+/-0.070 χ^2/NDF: 38180.4/94

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

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -459.840+/-255.398 χ^2/NDF: 27.7/21

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

Right Out: -600.587+/-248.324 χ^2/NDF: 14.3/25

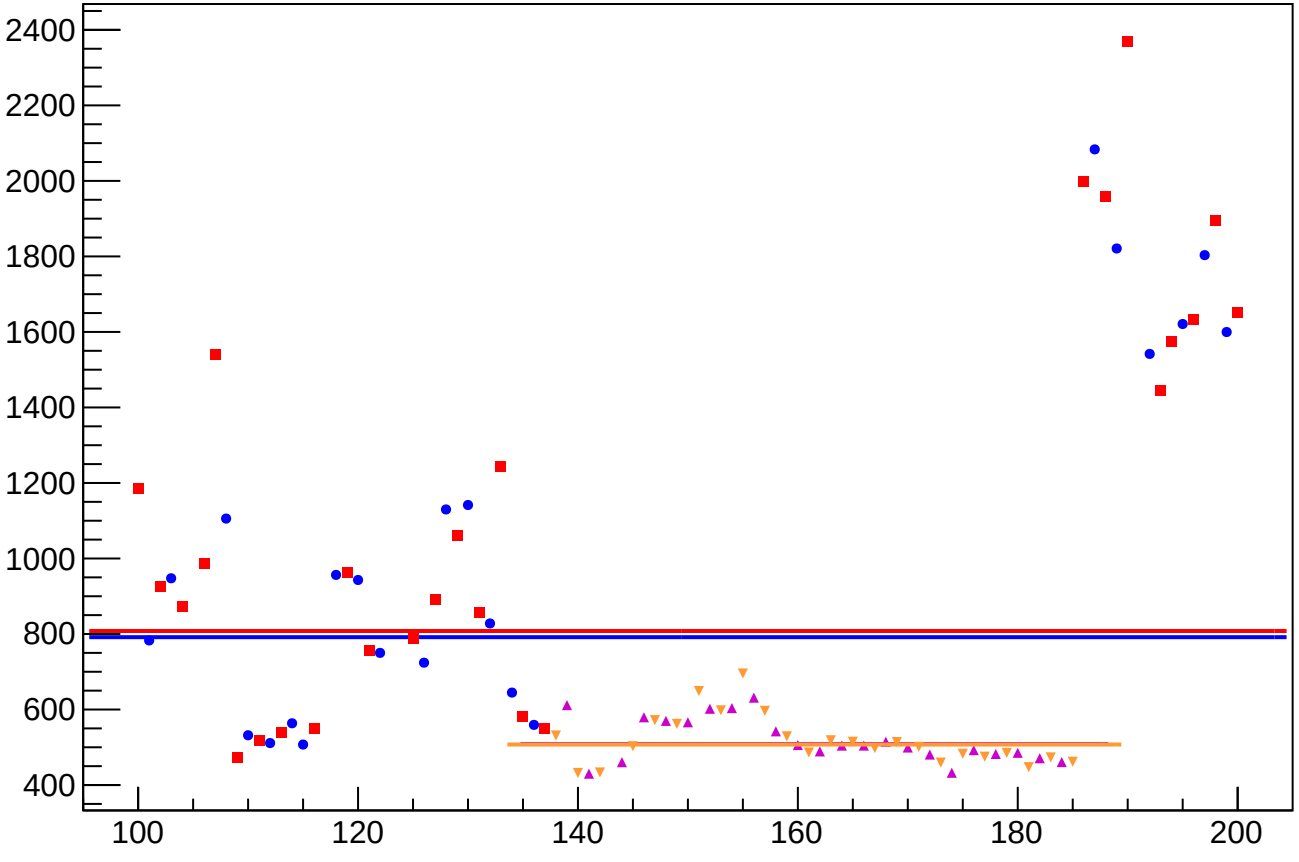
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.786+/-107.721 χ^2/NDF: 92.8/45

All: -336.681+/-76.202 χ^2/NDF: 141.3/94

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 791.624+/-0.181 χ^2/NDF: 3661807.7/21

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

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

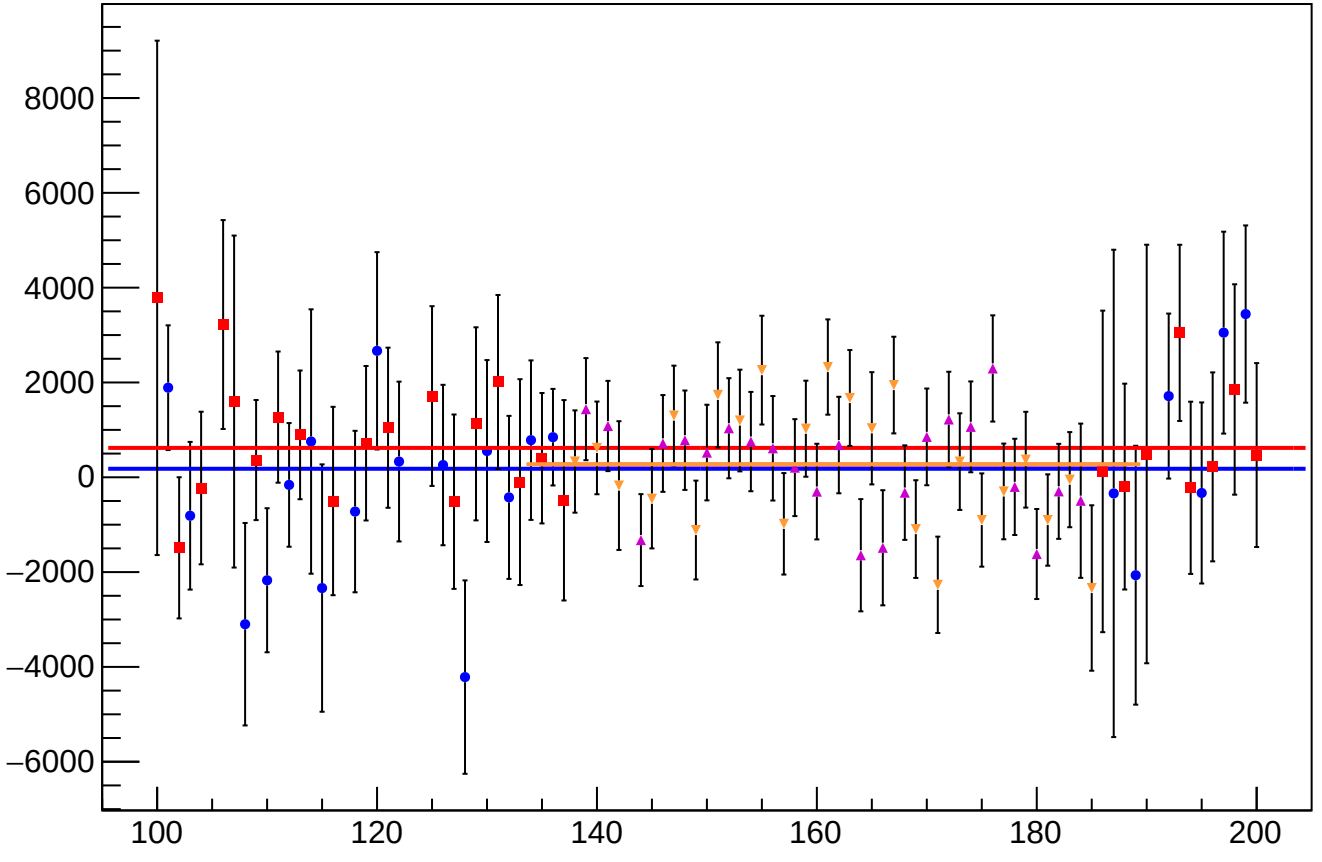
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 557.895+/-0.076 χ^2/NDF: 6173258.7/45

All: 561.471+/-0.054 χ^2/NDF: 14124114.8/94

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

asym_us_dd_mean vs Slug



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

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

Right Out: 619.889+/-363.522 χ^2/NDF: 9.0/25

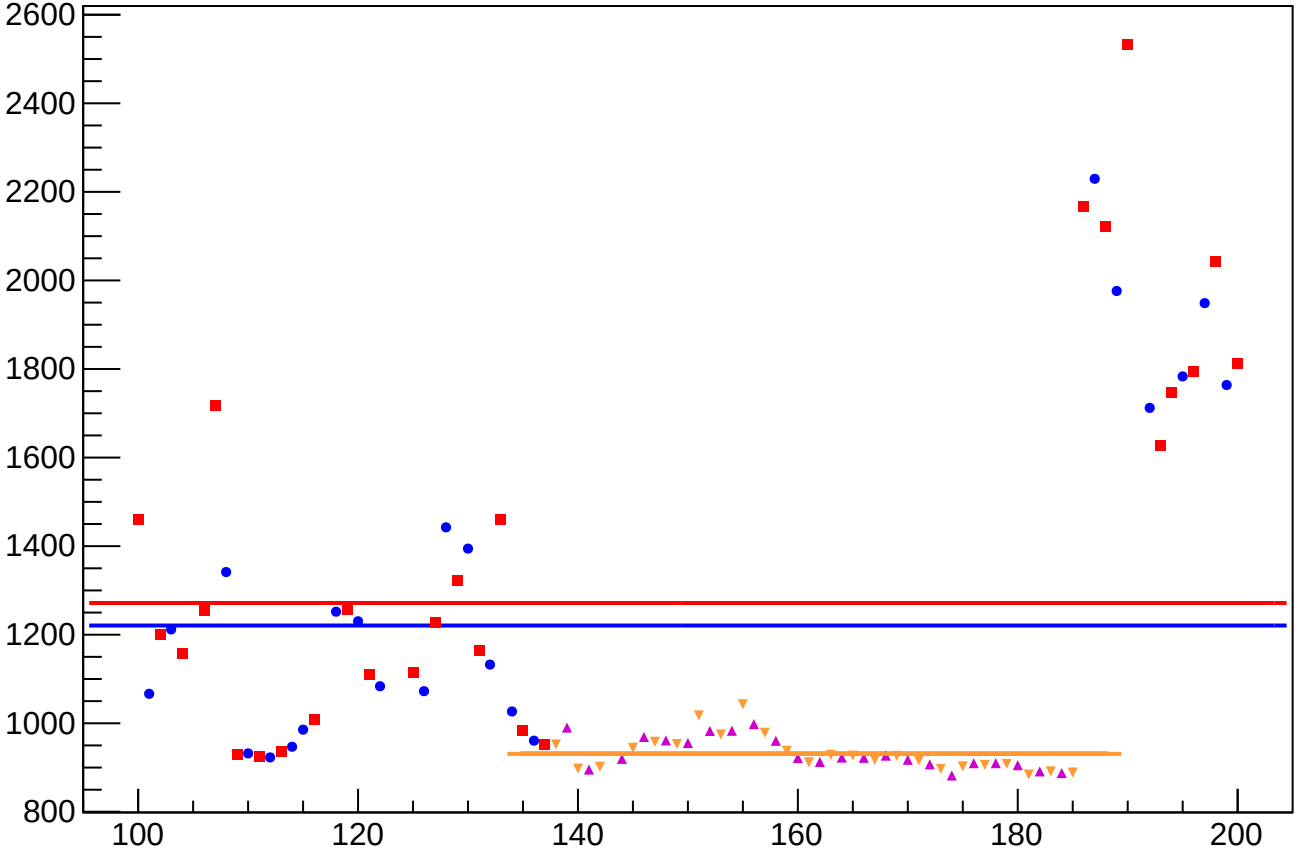
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 251.039+/-186.960 χ^2/NDF: 55.0/45

All: 305.671+/-132.130 χ^2/NDF: 86.3/94

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

asym_us_dd_rms vs Slug



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

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

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

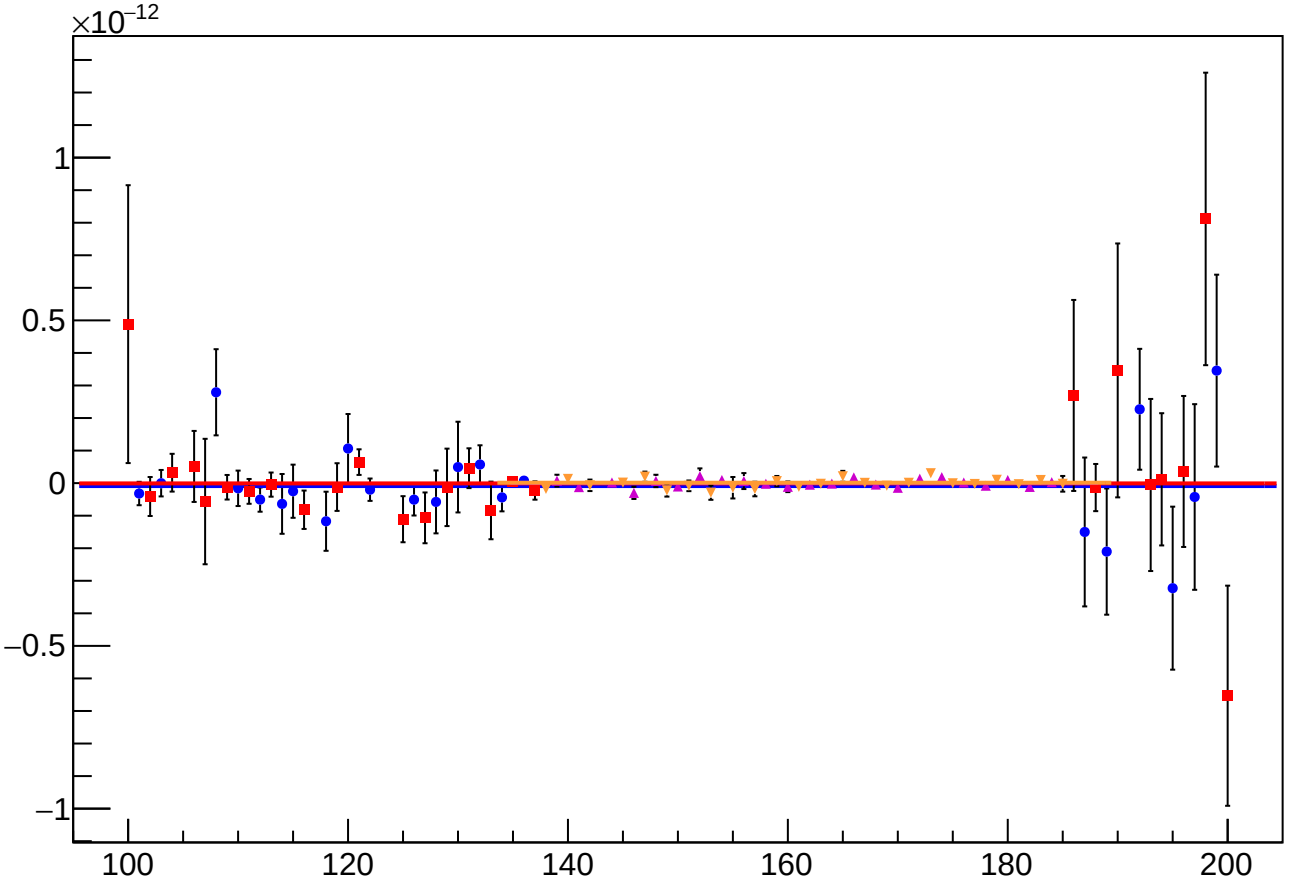
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1004.203+/-0.132 χ^2/NDF: 2413248.8/45

All: 1012.773+/-0.093 χ^2/NDF: 5781677.5/94

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

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/21

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

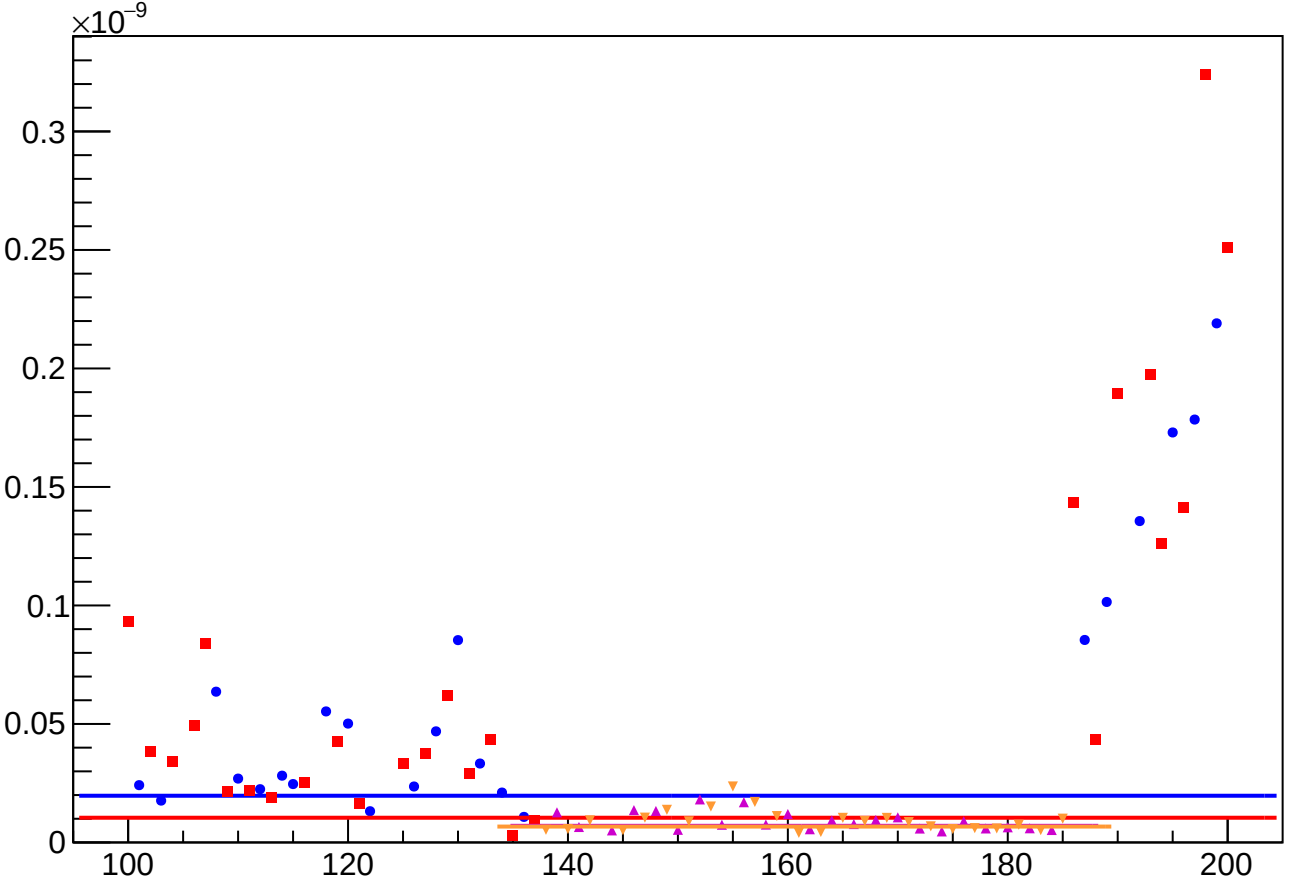
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/25

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

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/45

All: 0.000+/-0.000 χ^2/NDF: 91.8/94

- sign 0.000+/-0.000 χ^2/NDF: 45.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5864352.7/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 10702901.1/25

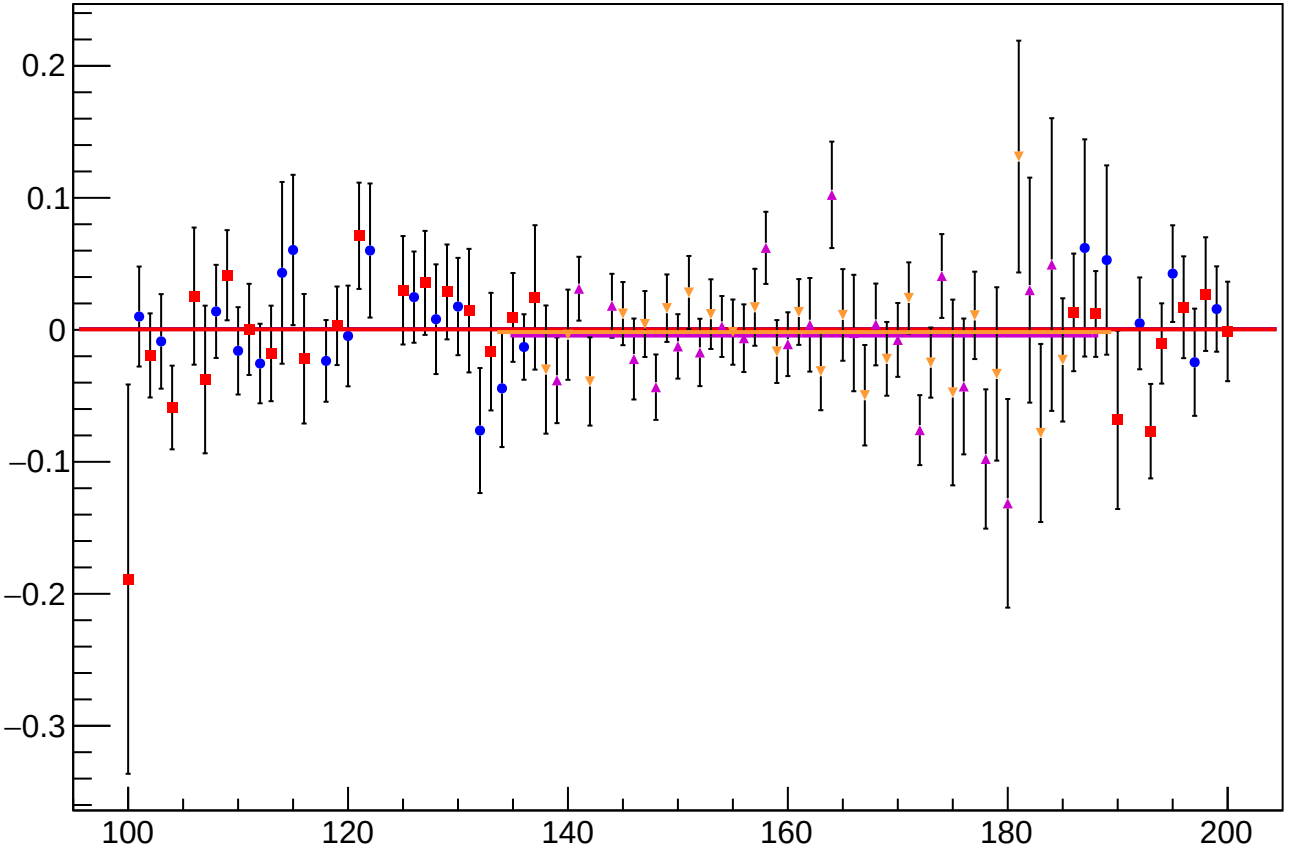
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11905323.3/45

All: 0.000+/-0.000 χ^2/NDF: 25453951.4/94

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

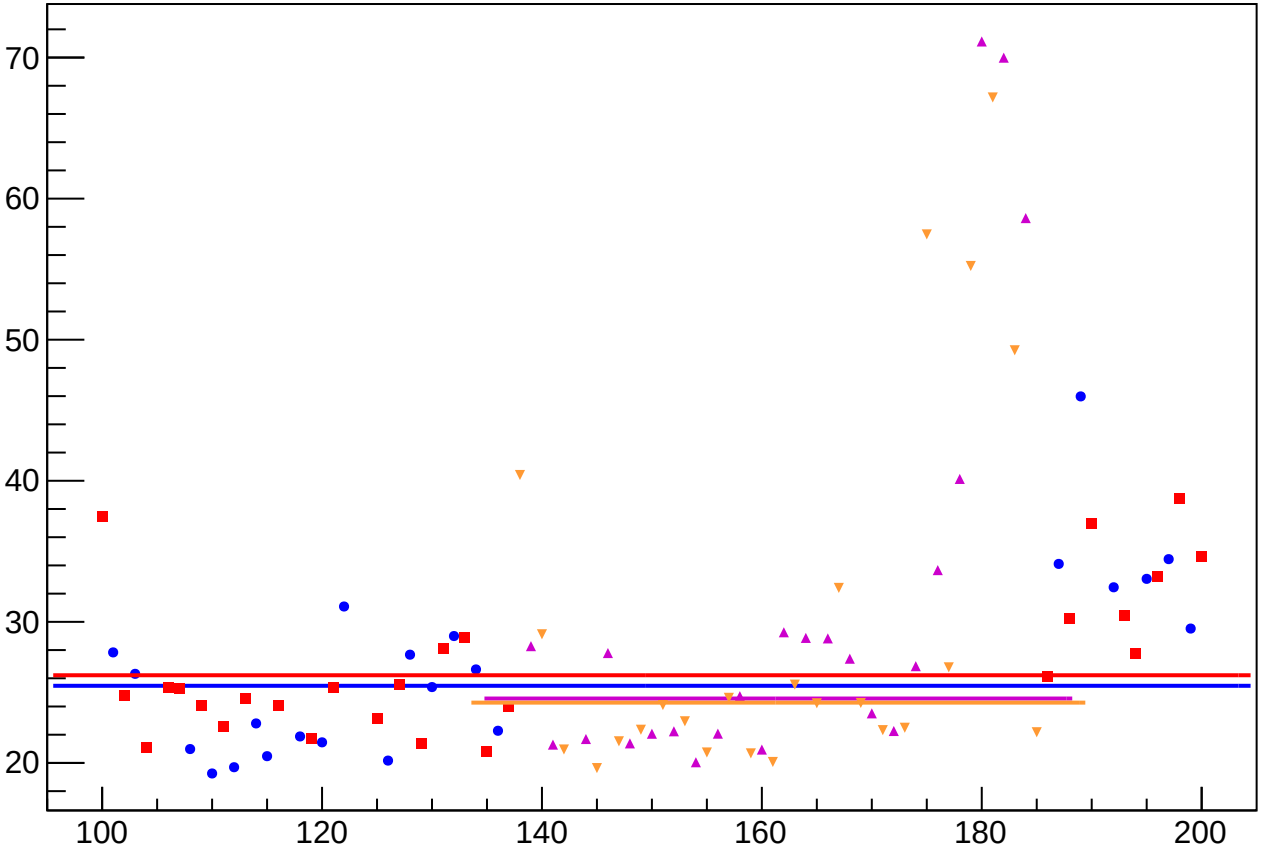
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/94

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

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

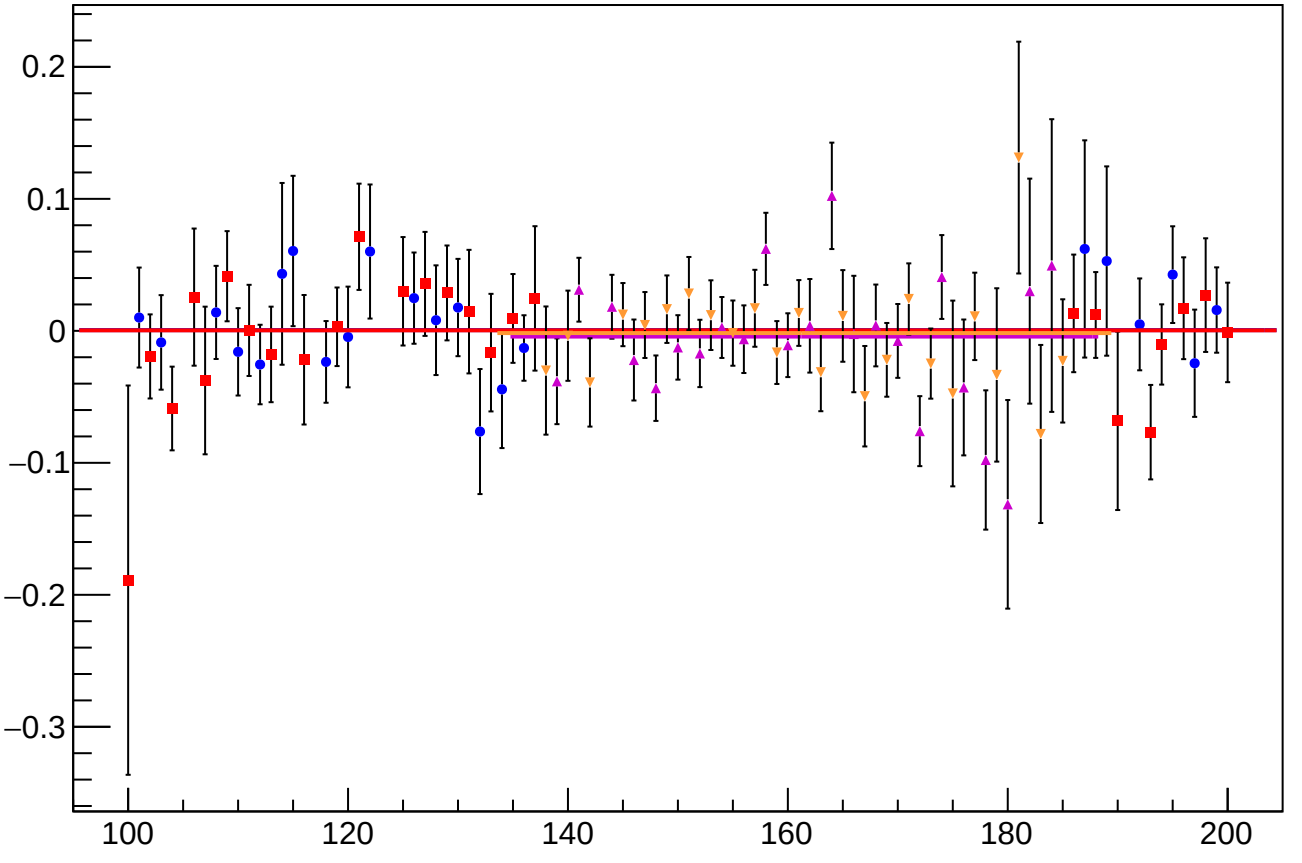
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.726+/-0.004 χ^2/NDF: 3193604.4/45

All: 24.988+/-0.002 χ^2/NDF: 6109490.1/94

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

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

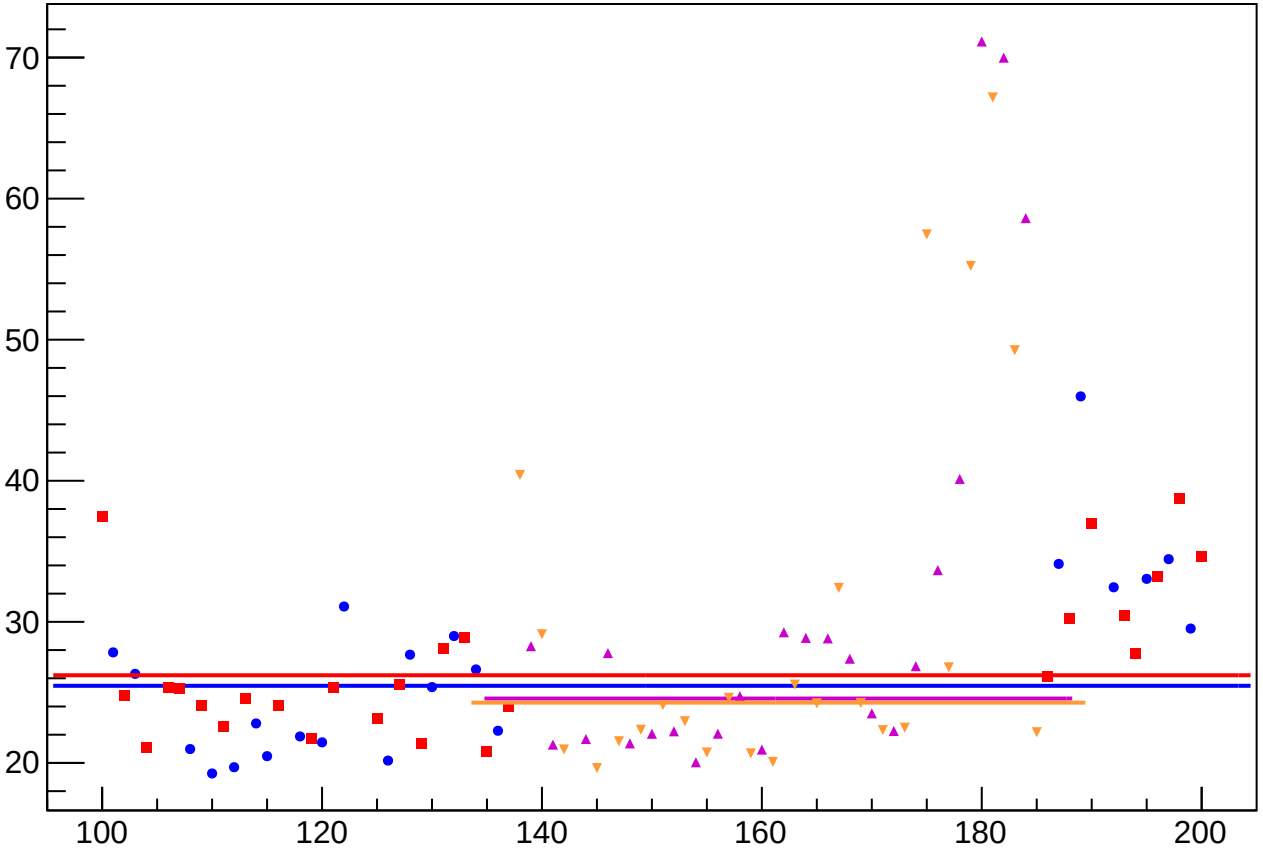
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/94

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

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

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

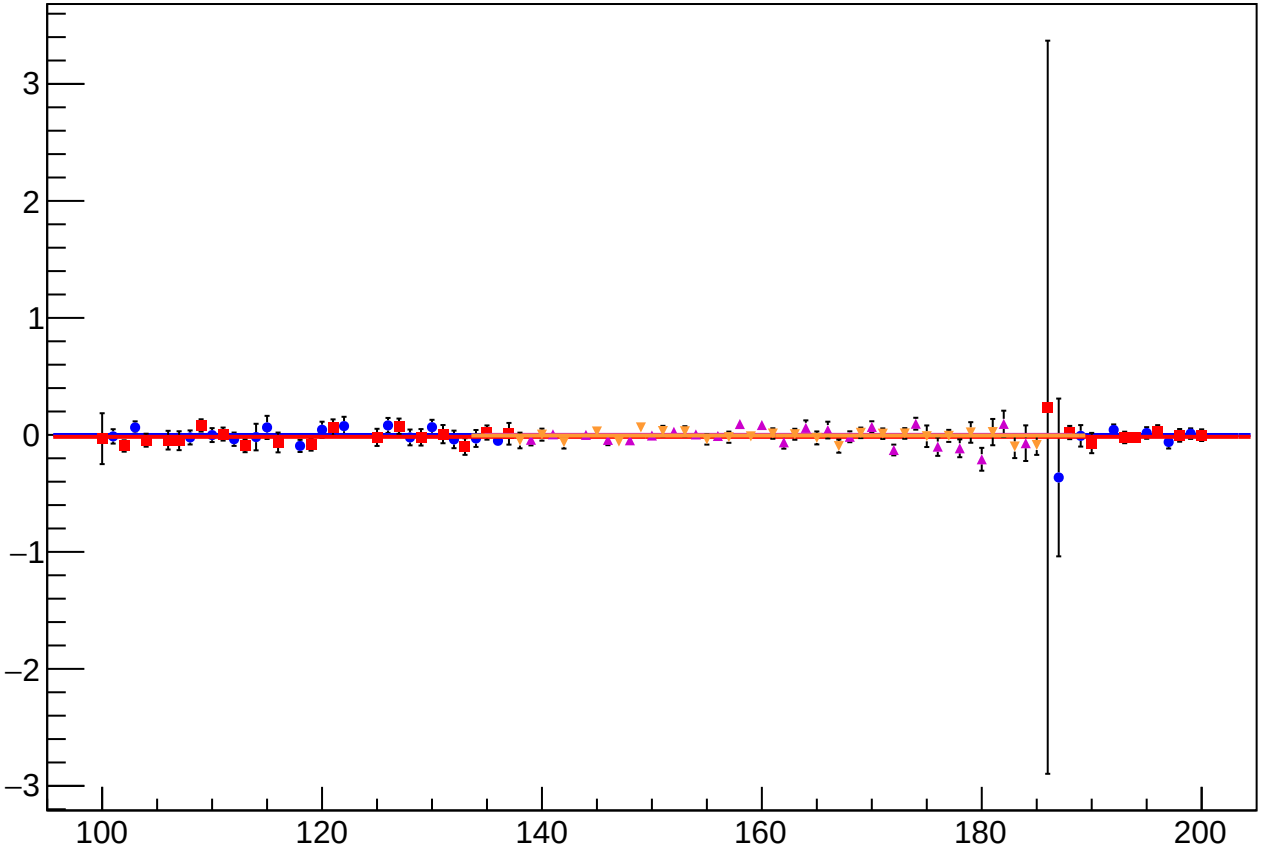
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.726+/-0.004 χ^2/NDF: 3193604.4/45

All: 24.988+/-0.002 χ^2/NDF: 6109490.1/94

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

Right Out: -0.017+/-0.012 χ^2/NDF: 17.5/25

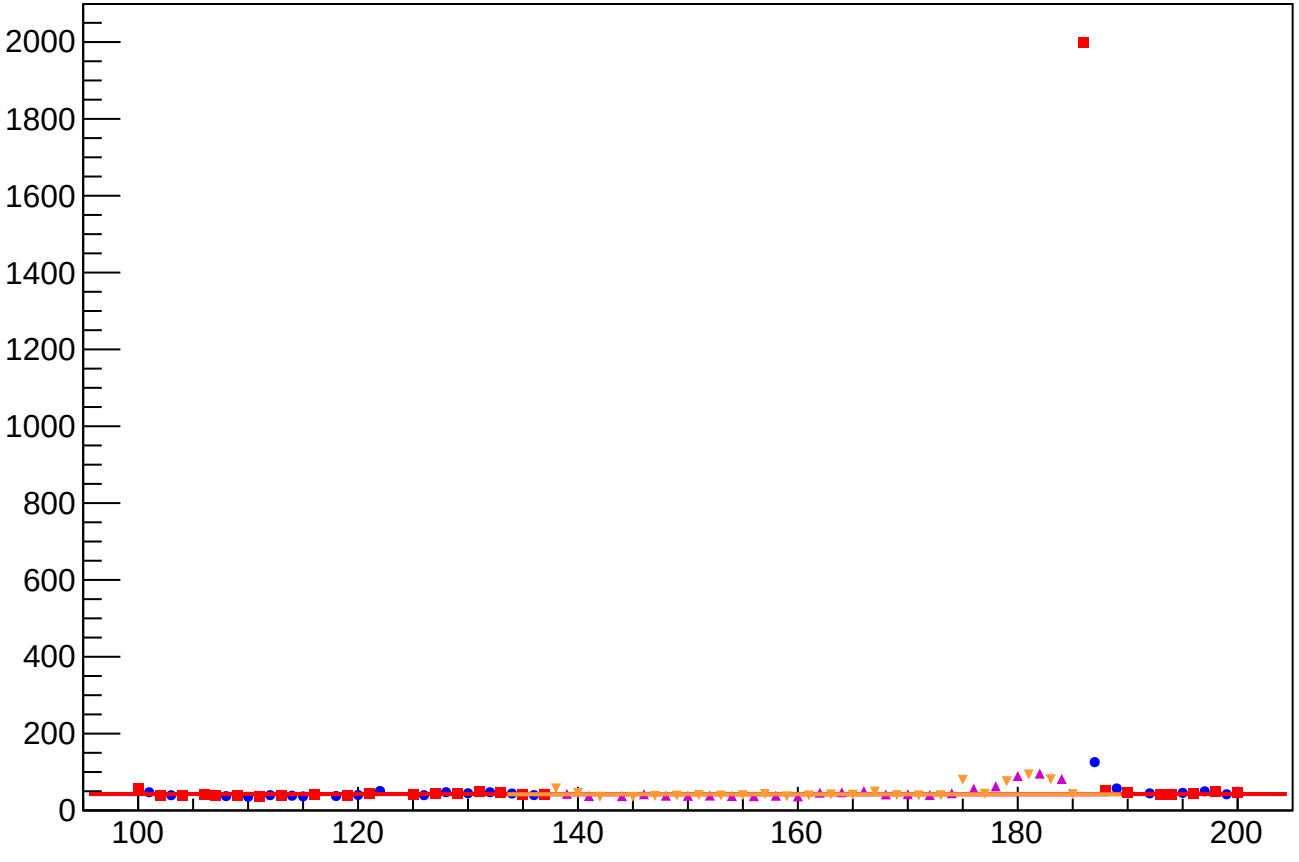
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.1/45

All: -0.005+/-0.006 χ^2/NDF: 84.7/94

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.709+/-0.009 χ^2/NDF: 276437.7/21

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

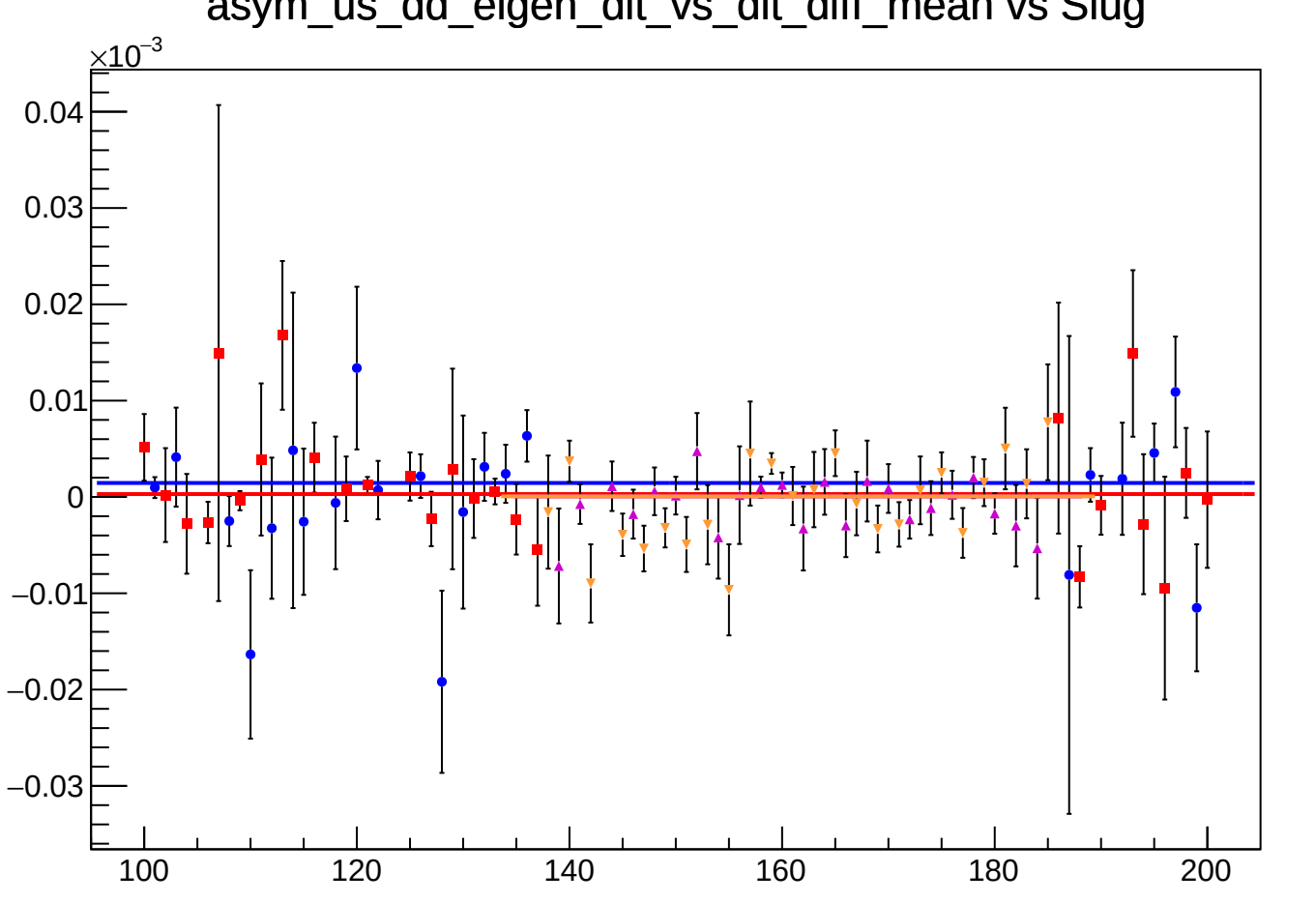
Right Out: 42.697+/-0.009 χ^2/NDF: 1002703.9/25

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

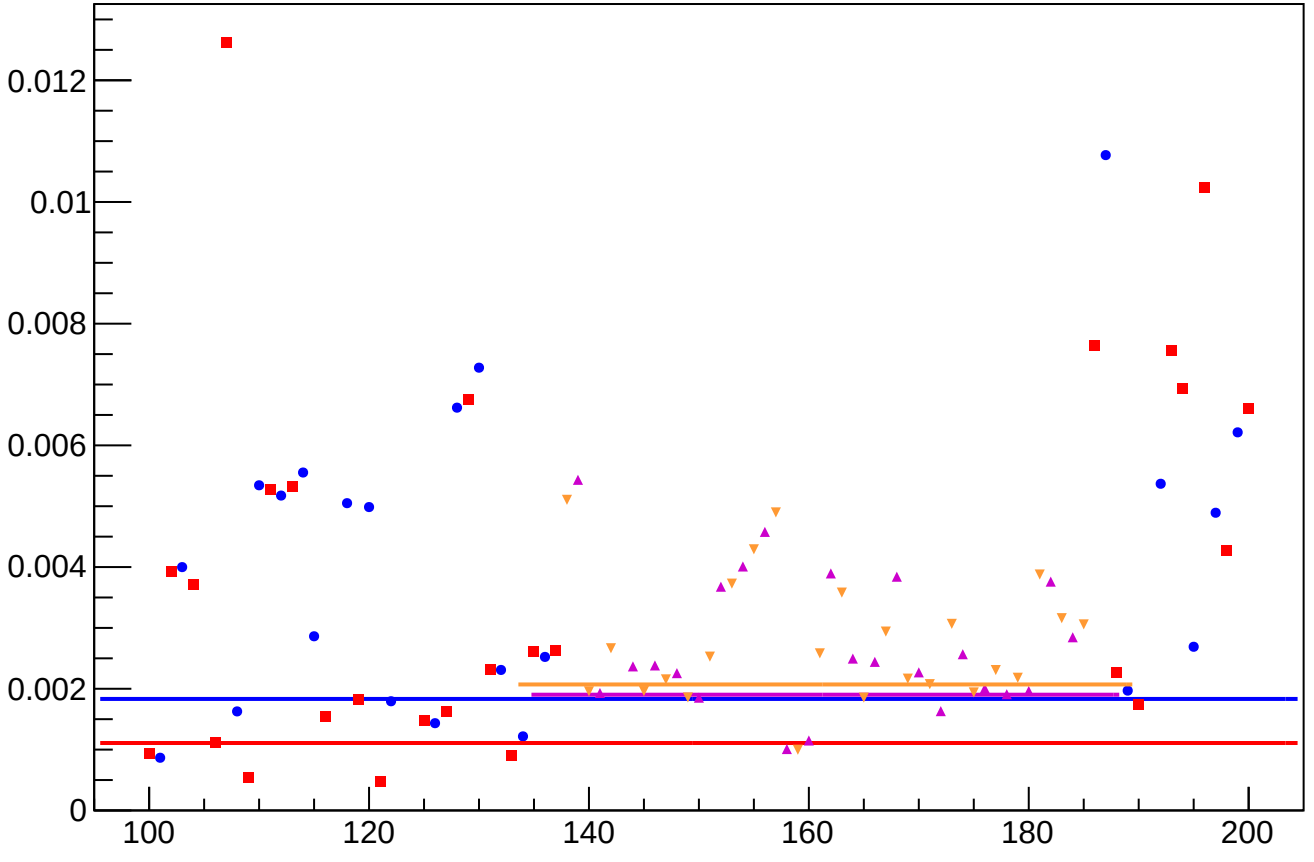
+ sign 42.329+/-0.006 χ^2/NDF: 1995247.6/45

All: 42.333+/-0.004 χ^2/NDF: 4544437.0/94

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


asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.3/21
Left Out: 0.000+/-0.000 χ²/NDF:51.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/25
Left In: 0.000+/-0.000 χ²/NDF:13.0/22
+ sign 0.000+/-0.000 χ²/NDF: 80.5/45
All: 0.000+/-0.000 χ²/NDF: 121.2/94
- sign 0.000+/-0.000 χ²/NDF: 40.1/48

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7574696.8/21

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

Right Out: 0.001+/-0.000 χ^2/NDF: 12776988.1/25

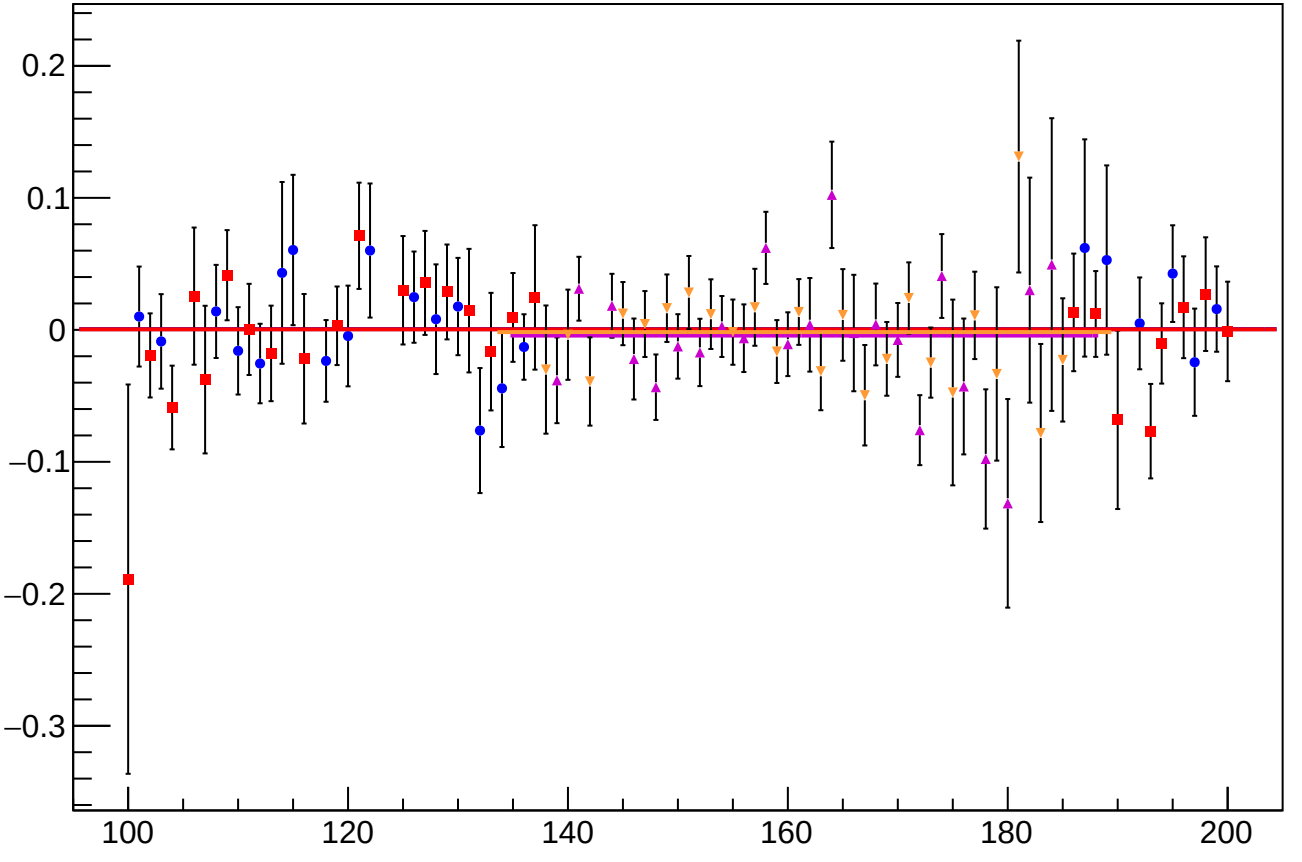
Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12988678.4/45

All: 0.002+/-0.000 χ^2/NDF: 36012875.7/94

- sign 0.001+/-0.000 χ^2/NDF: 21378490.4/48

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

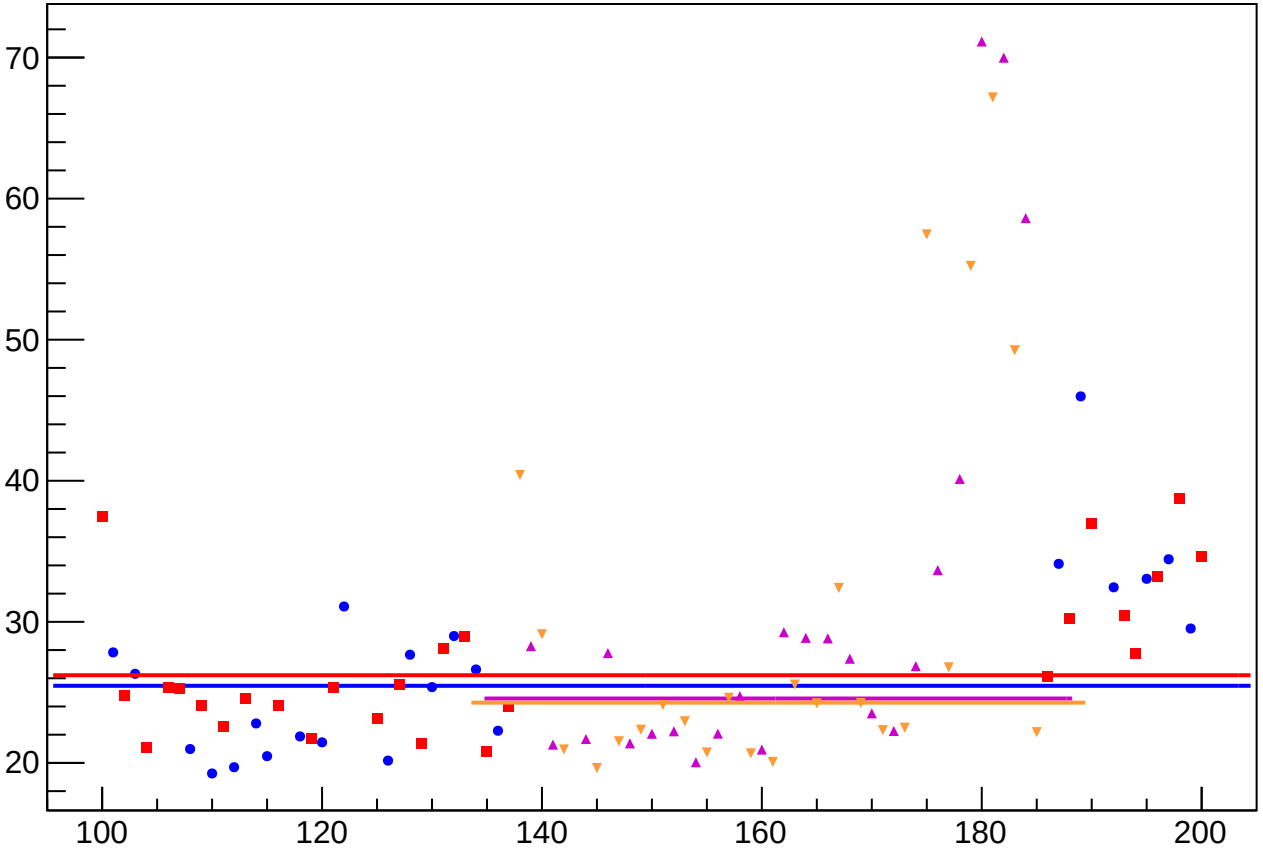
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/94

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

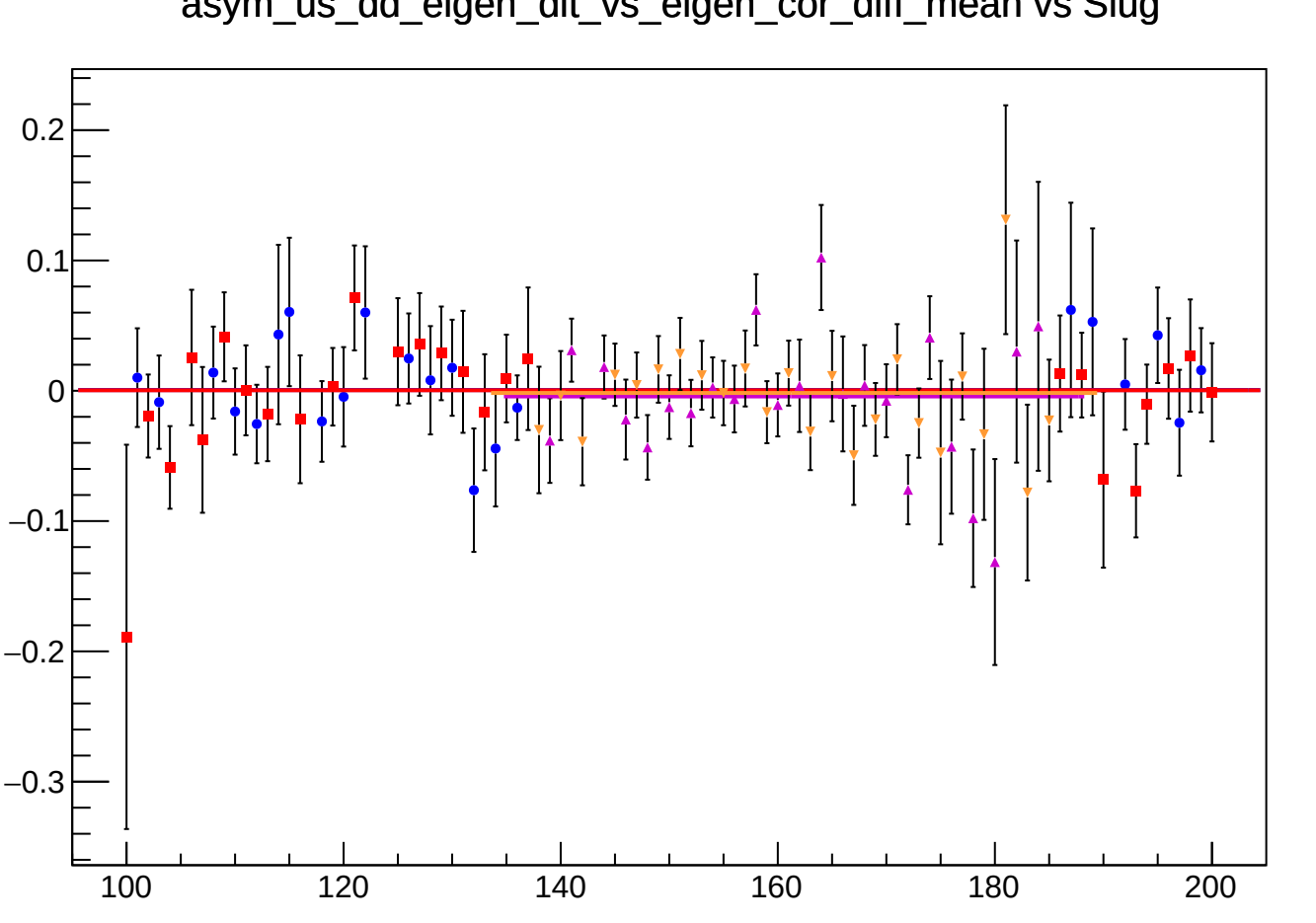
Right Out: 26.215+/-0.005 χ^2/NDF: 717547.2/25

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

+ sign 24.726+/-0.004 χ^2/NDF: 3193527.5/45

All: 24.988+/-0.002 χ^2/NDF: 6109237.7/94

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



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

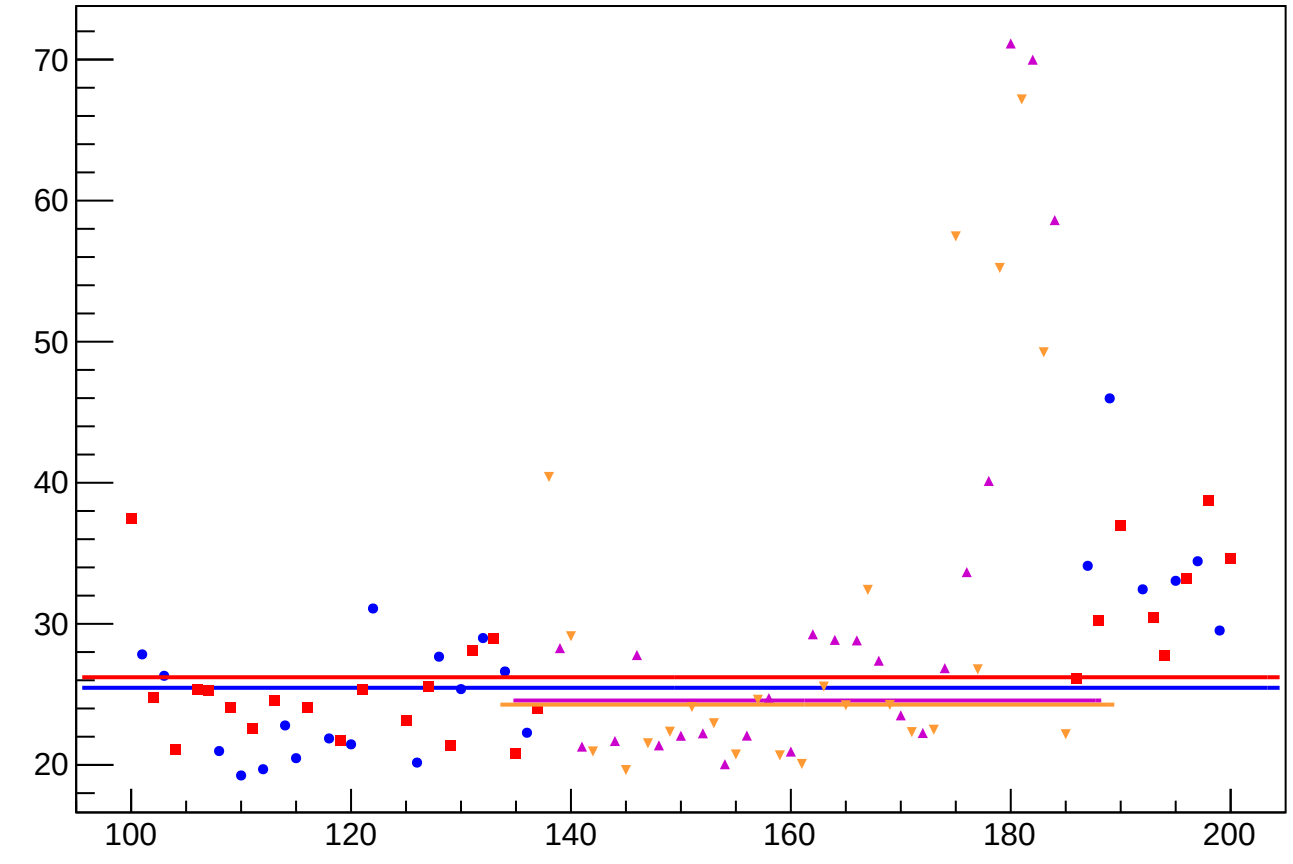
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/25

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

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/94

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



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

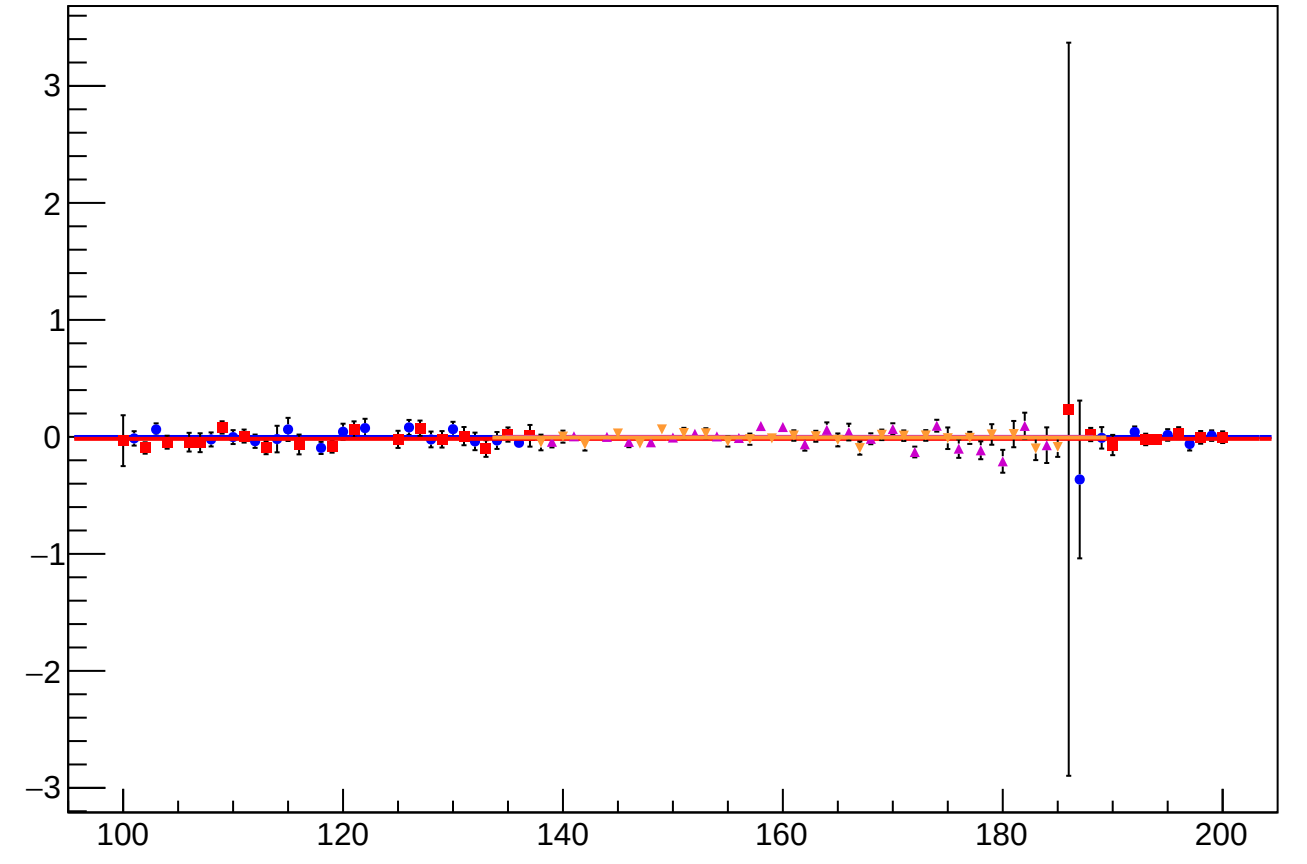
Right Out: 26.215+/-0.005 χ^2/NDF: 717547.2/25

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

+ sign 24.726+/-0.004 χ^2/NDF: 3193527.5/45

All: 24.988+/-0.002 χ^2/NDF: 6109237.7/94

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



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

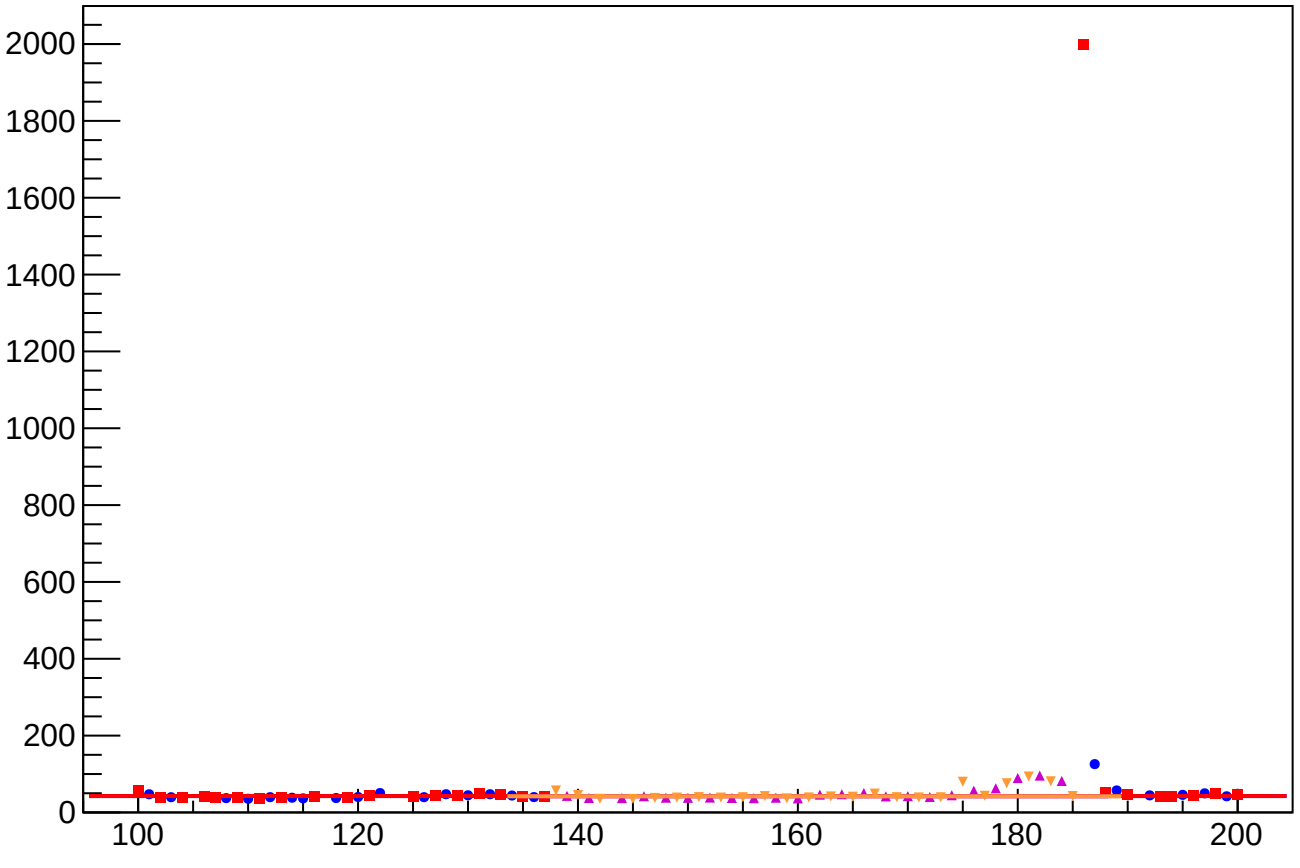
Right Out: -0.017+/-0.012 χ^2/NDF: 17.5/25

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

+ sign -0.003+/-0.008 χ^2/NDF: 28.1/45

All: -0.005+/-0.006 χ^2/NDF: 84.7/94

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



Right In: 42.709+/-0.009 χ^2/NDF: 276400.7/21

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

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

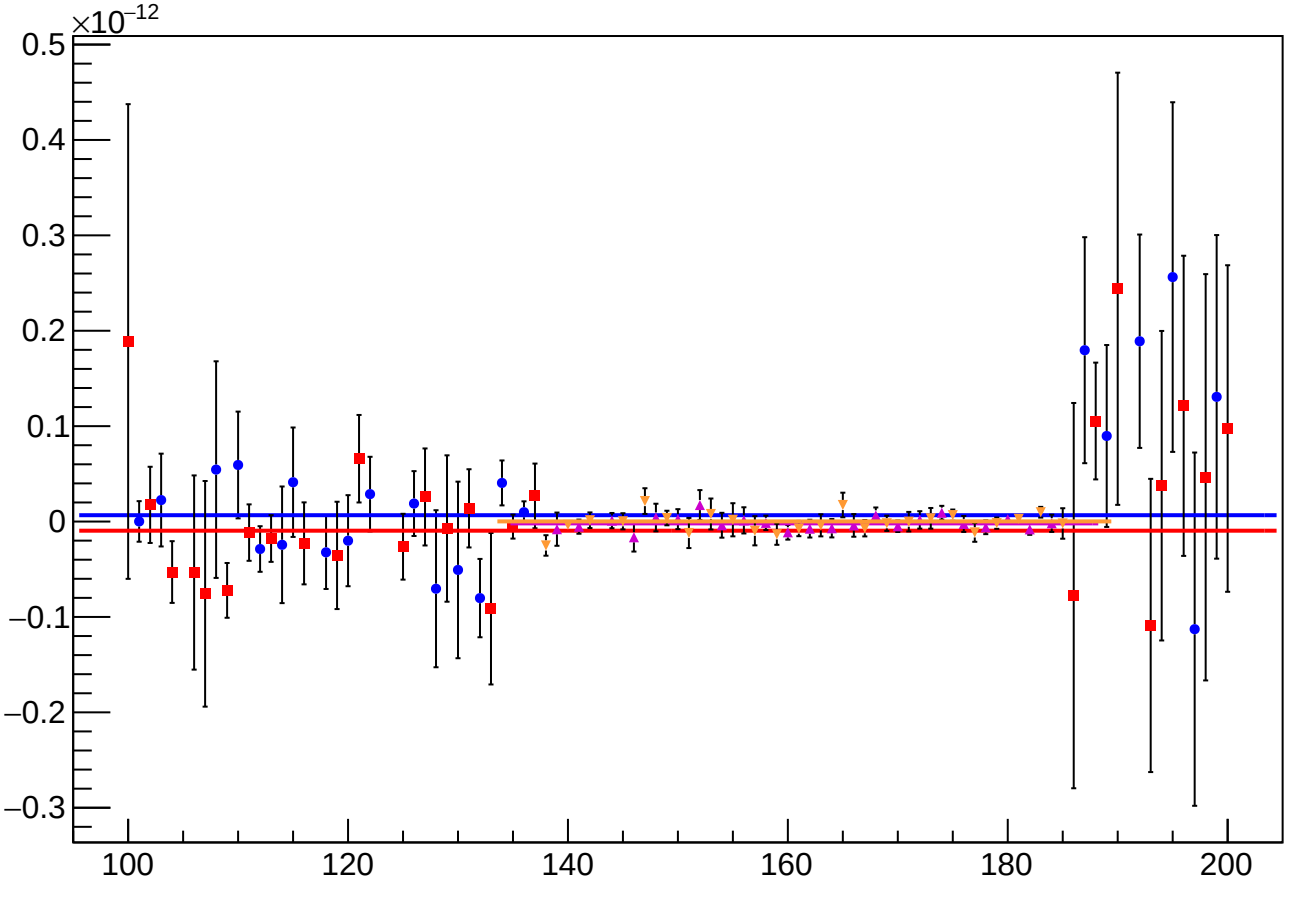
Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 42.329+/-0.006 χ^2/NDF: 1995198.2/45

All: 42.333+/-0.004 χ^2/NDF: 4544360.0/94

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

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/21

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

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

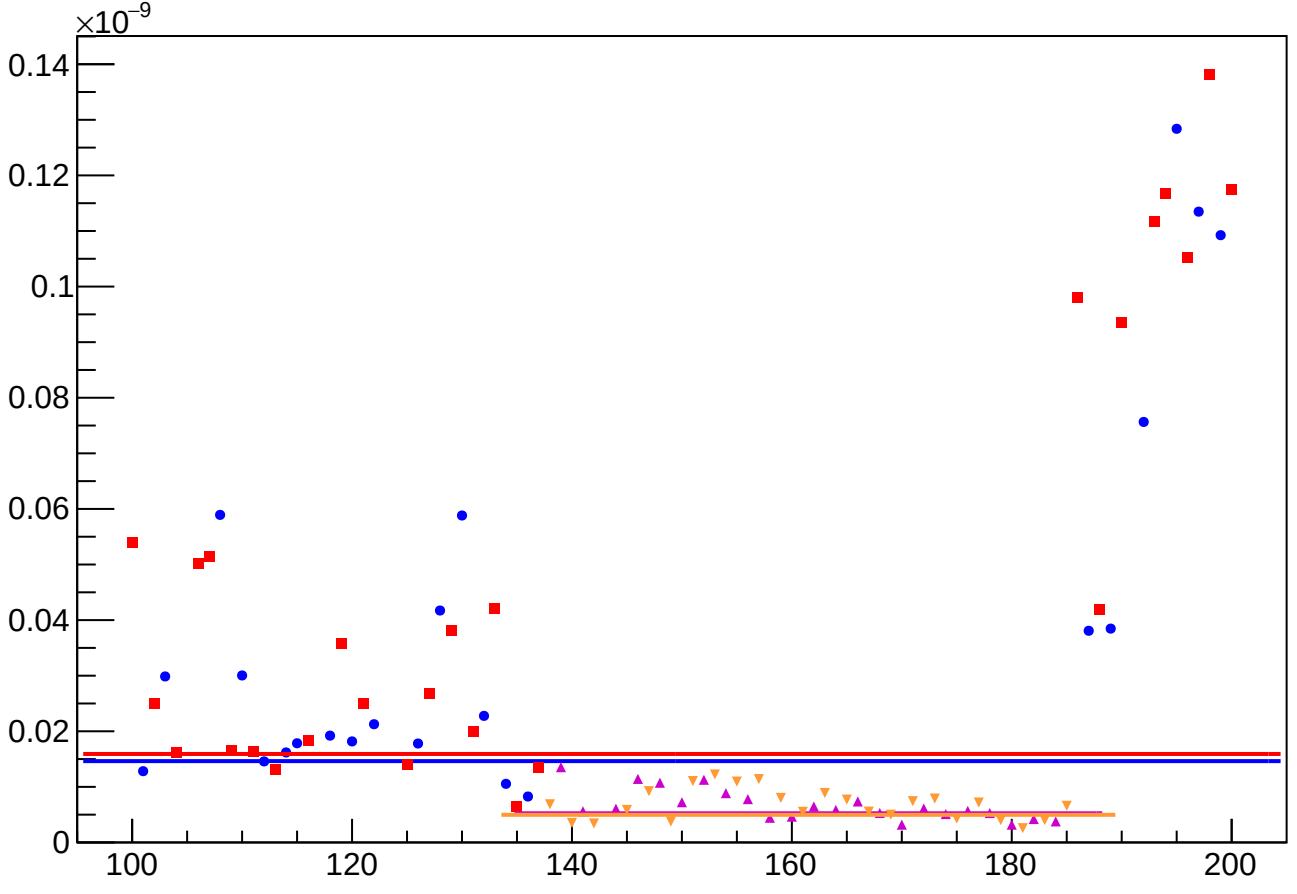
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/45

All: -0.000+/-0.000 χ^2/NDF: 79.4/94

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

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4988709.8/21

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

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

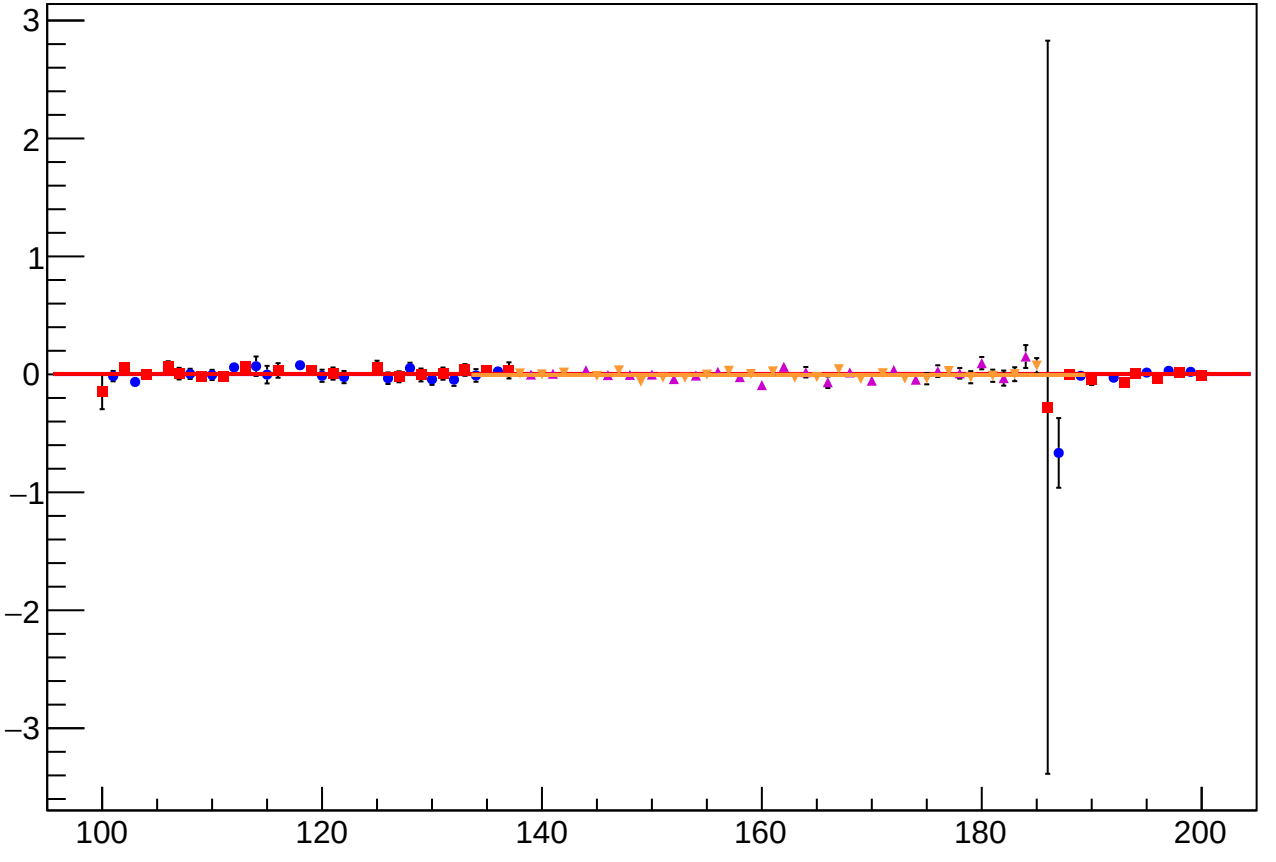
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11847412.8/45

All: 0.000+/-0.000 χ^2/NDF: 25229239.1/94

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

Right Out: 0.004+/-0.008 χ^2/NDF: 21.2/25

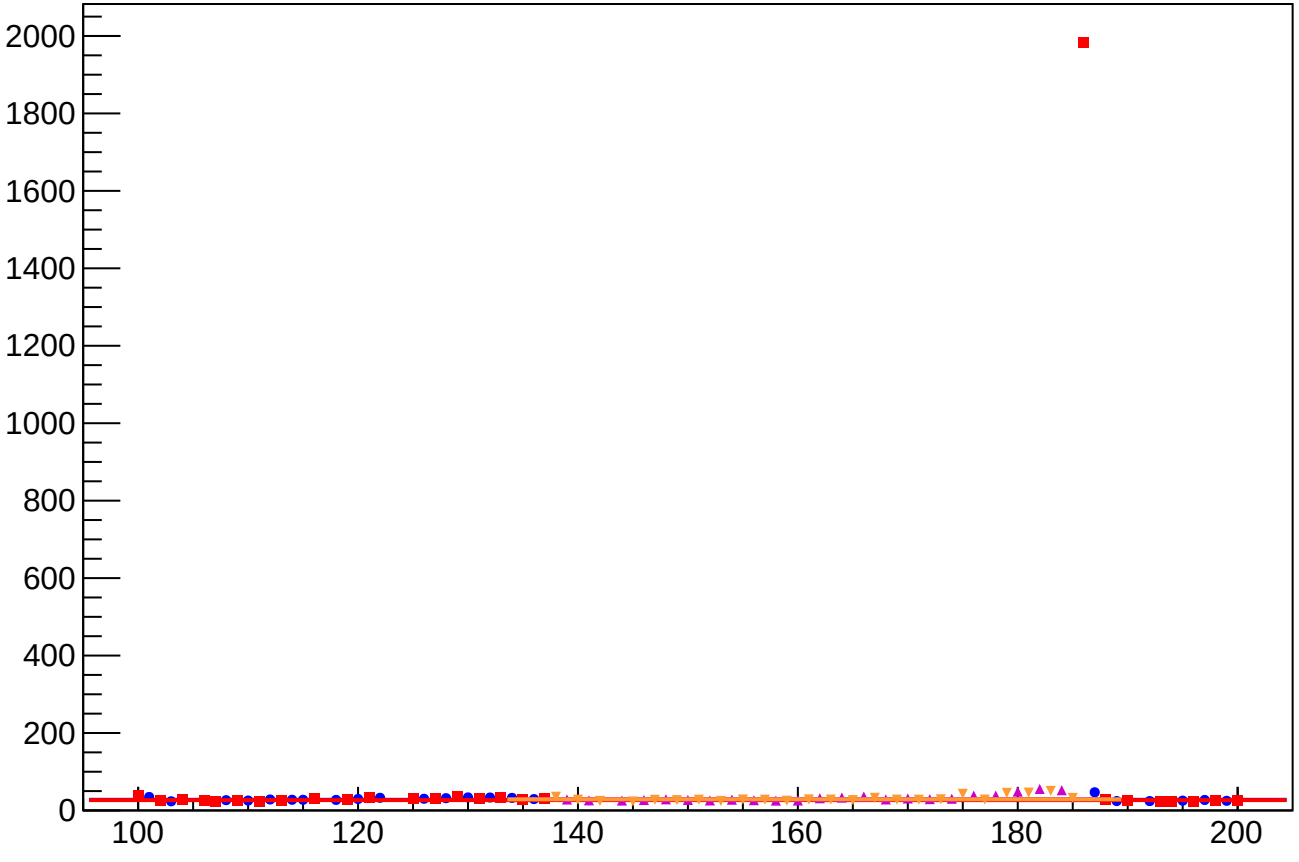
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 40.7/45

All: -0.001+/-0.004 χ^2/NDF: 93.7/94

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

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

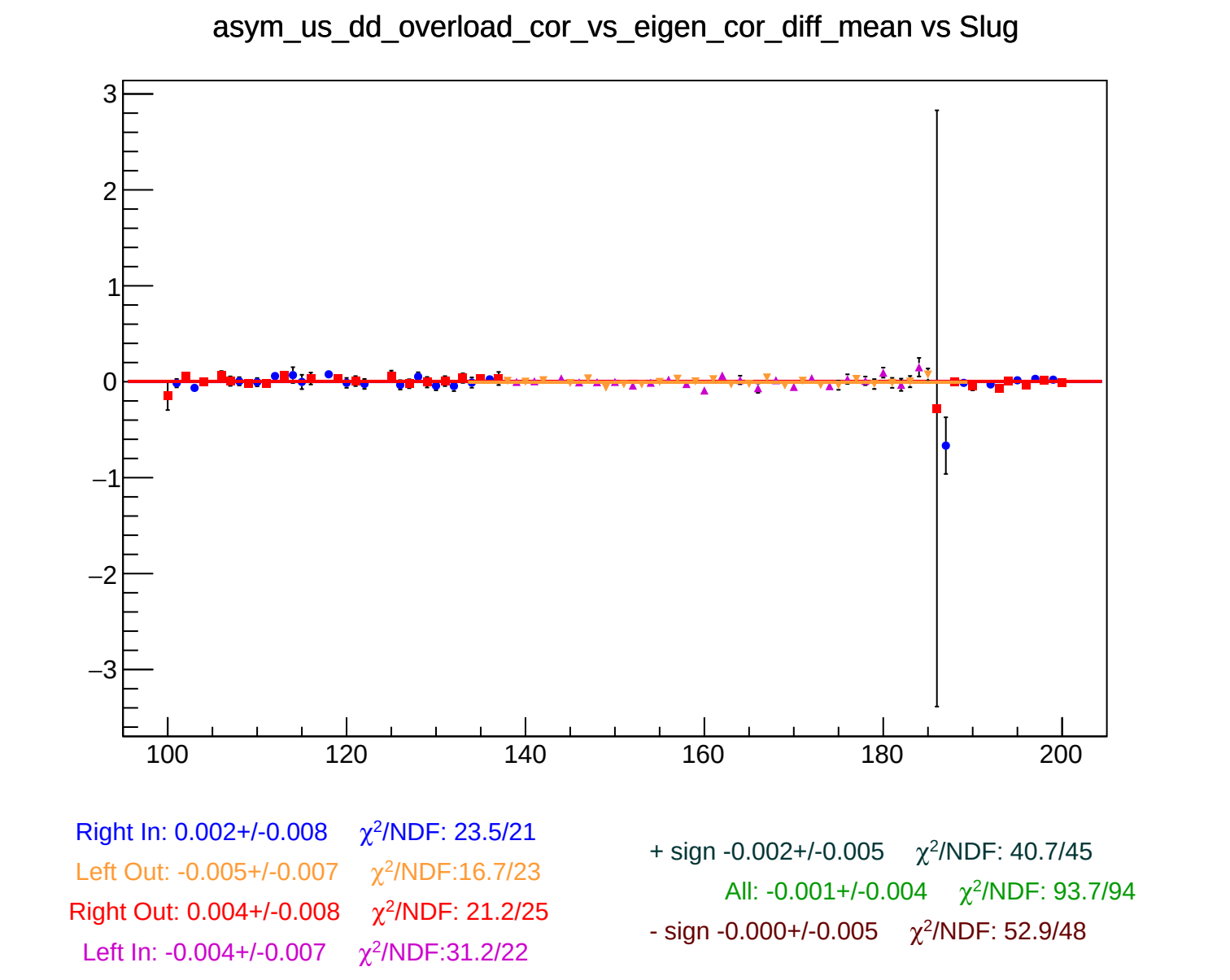
Right Out: 26.714+/-0.006 χ^2/NDF: 1080752.7/25

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

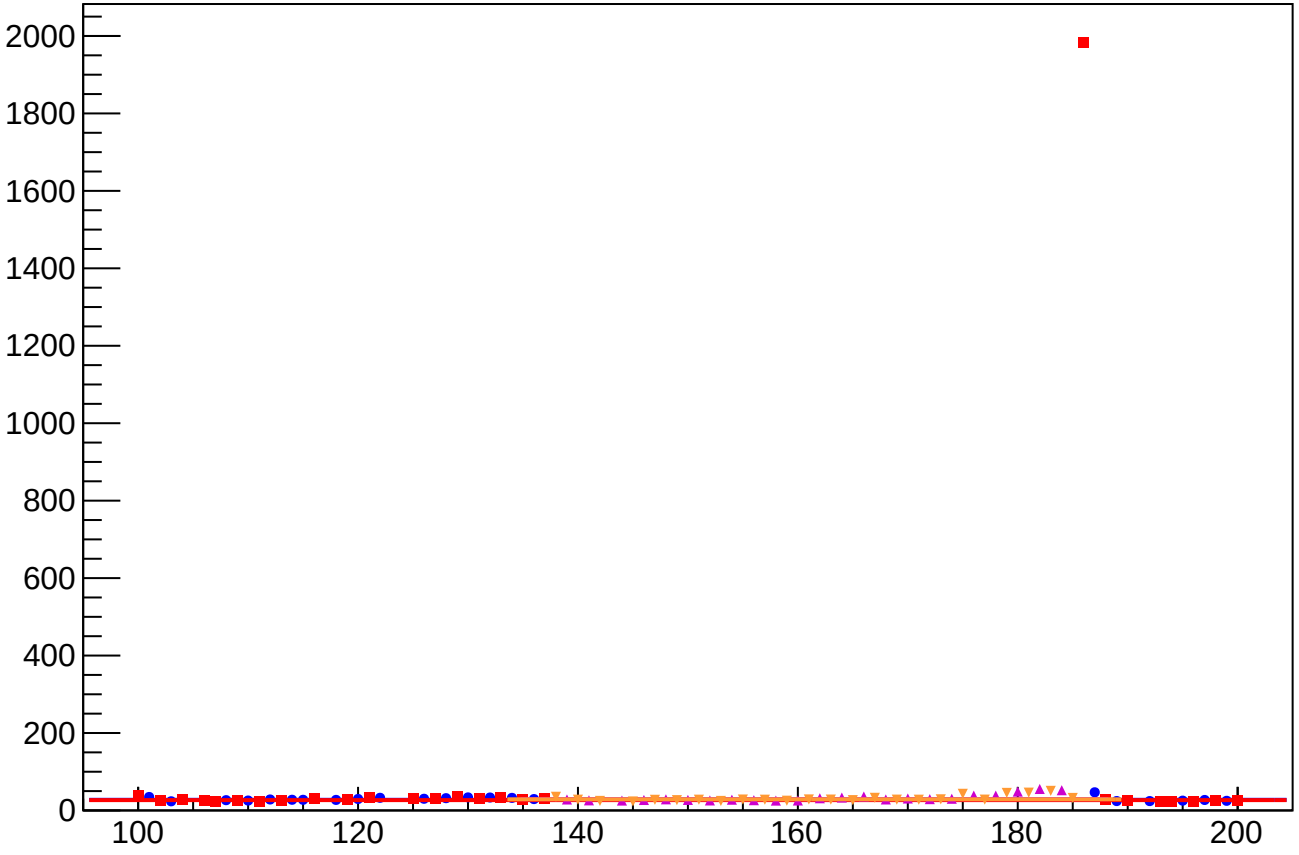
+ sign 28.245+/-0.004 χ^2/NDF: 1504098.1/45

All: 28.166+/-0.003 χ^2/NDF: 3840680.4/94

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


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.002+/-0.008 χ²/NDF: 23.5/21
Left Out: -0.005+/-0.007 χ²/NDF:16.7/23
Right Out: 0.004+/-0.008 χ²/NDF: 21.2/25
Left In: -0.004+/-0.007 χ²/NDF:31.2/22
+ sign -0.002+/-0.005 χ²/NDF: 40.7/45
All: -0.001+/-0.004 χ²/NDF: 93.7/94
- sign -0.000+/-0.005 χ²/NDF: 52.9/48

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

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

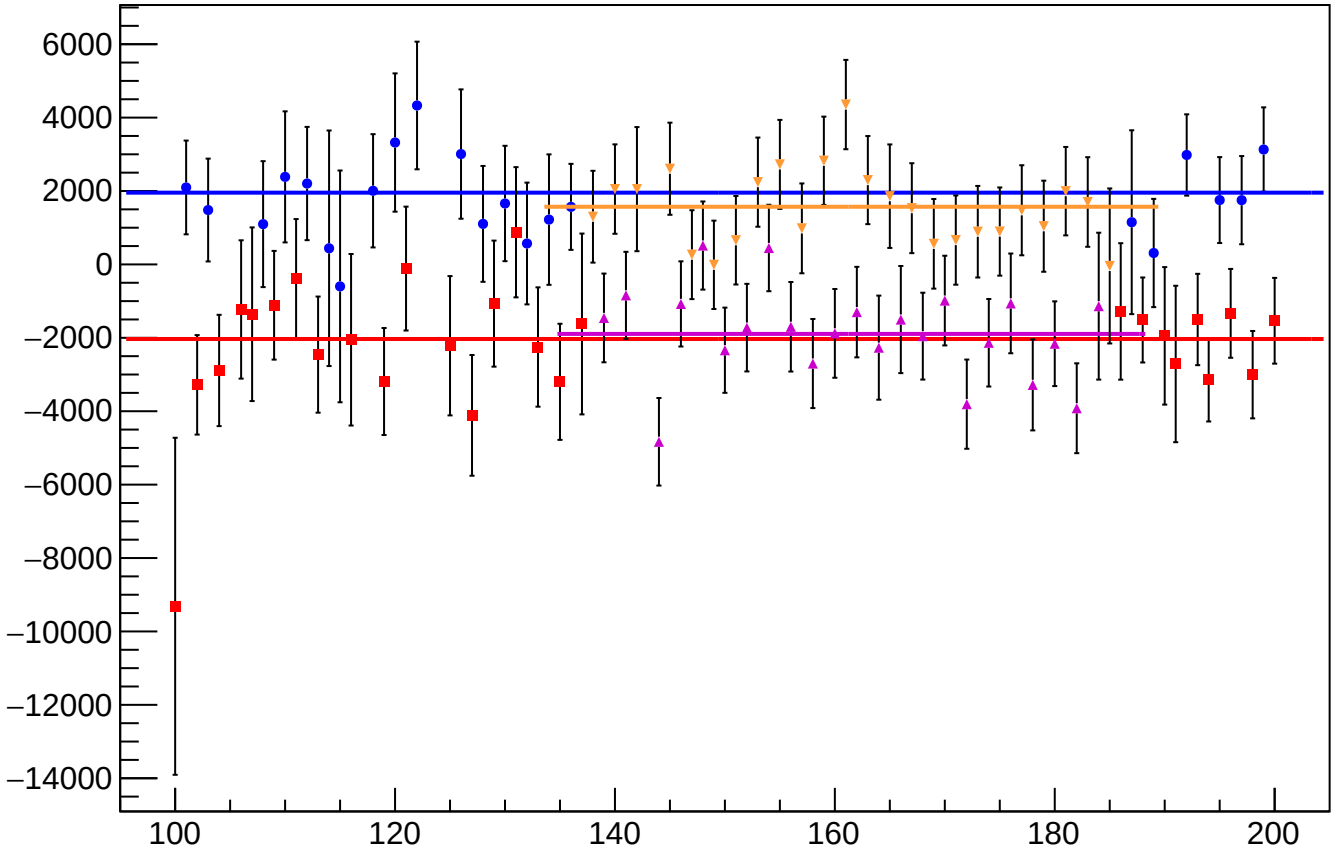
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

\+ sign 28.245+/-0.004 χ^2/NDF: 1504098.1/45

All: 28.166+/-0.003 χ^2/NDF: 3840680.4/94

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

reg_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

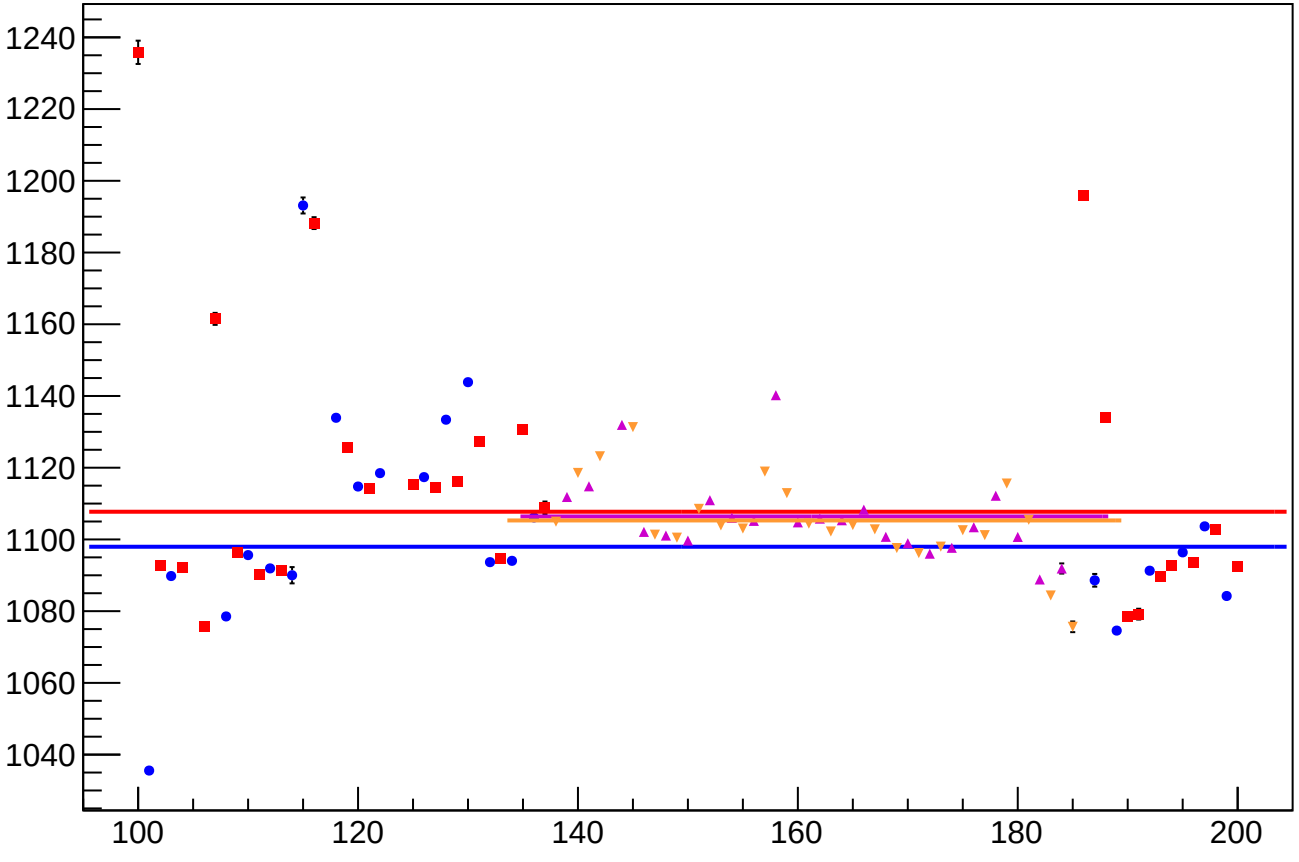
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -161.947+/-140.291 χ^2/NDF: 235.6/95

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

reg_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

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

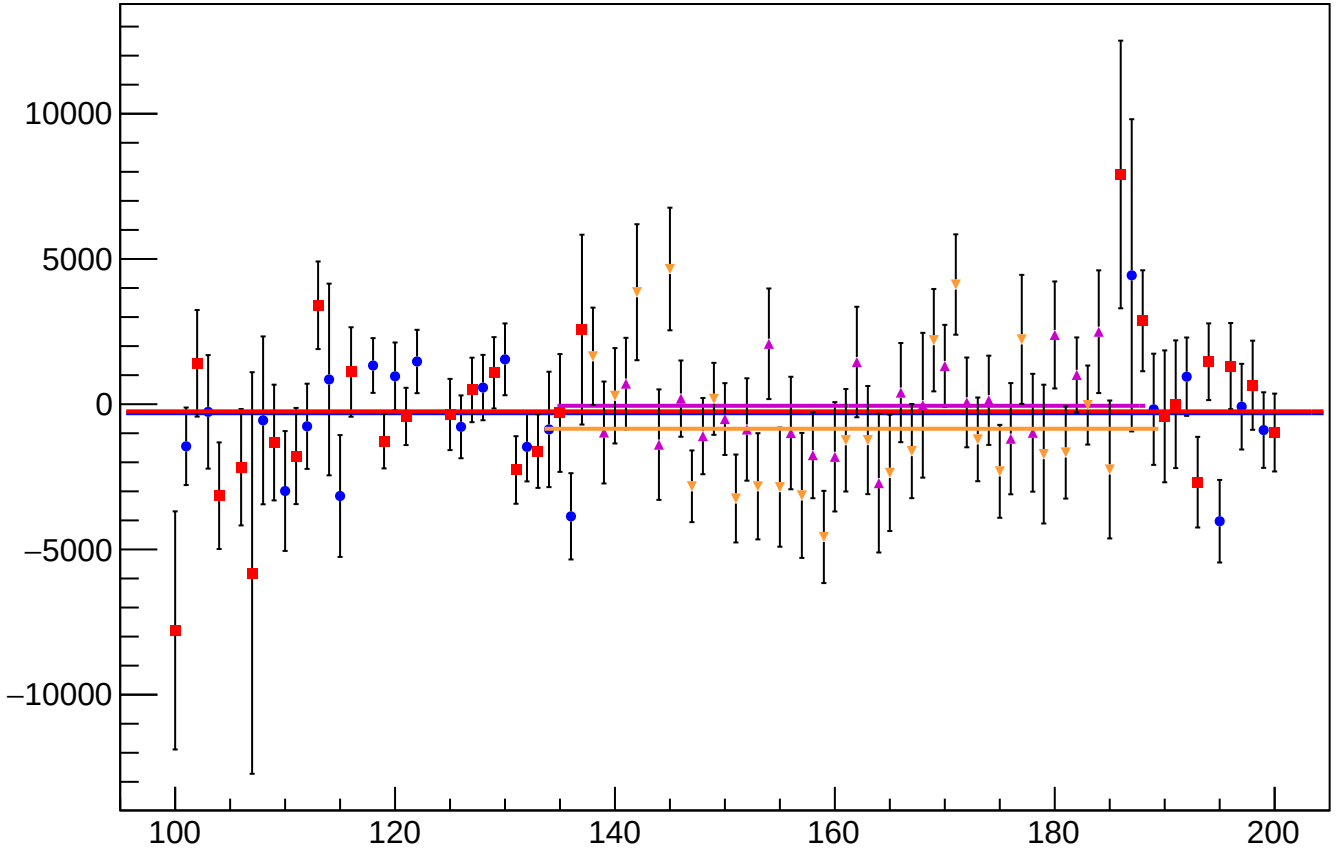
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95

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

asym_usl_reg_correction_mean vs Slug



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: -245.596+/-293.622 χ^2/NDF: 36.0/26

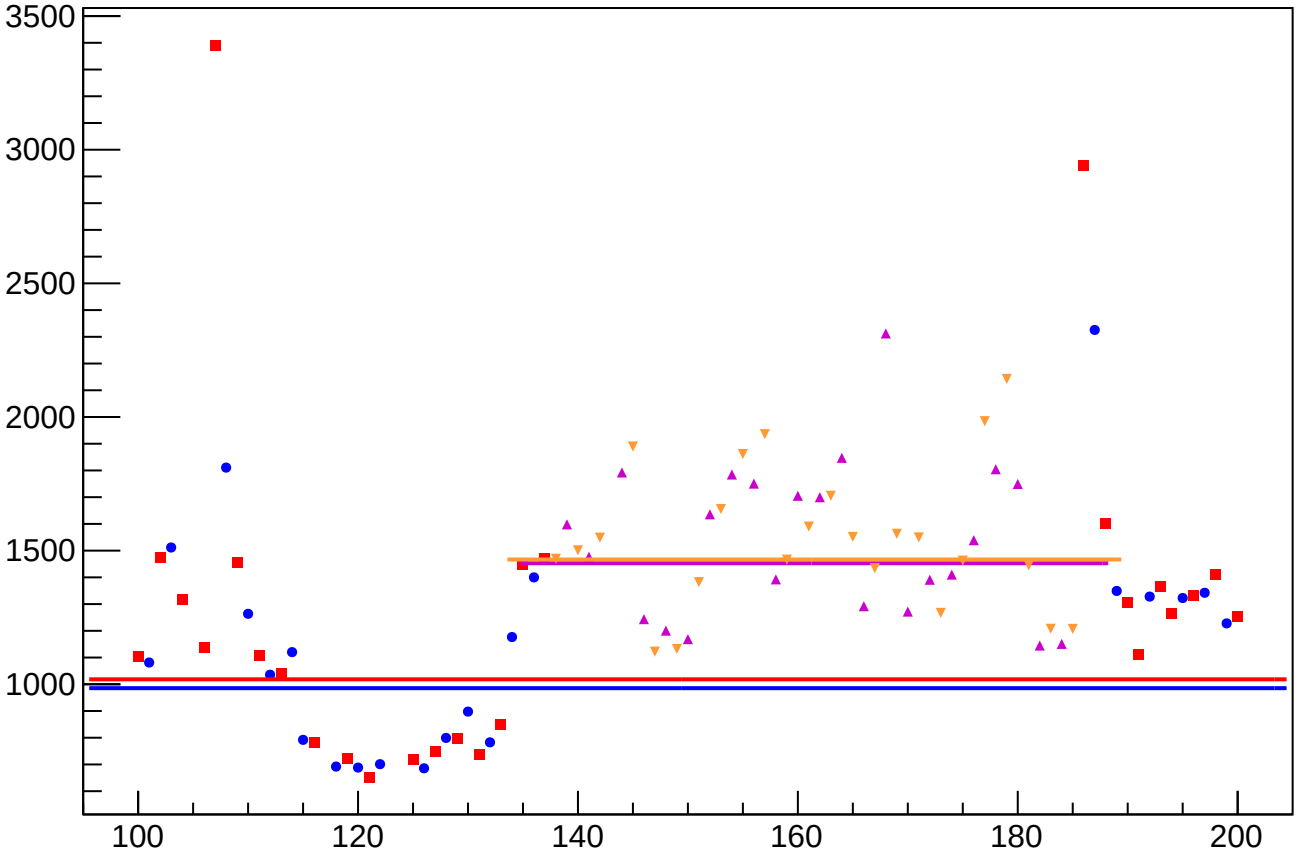
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -349.536+/-160.075 χ^2/NDF: 126.0/95

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

asym_usl_reg_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

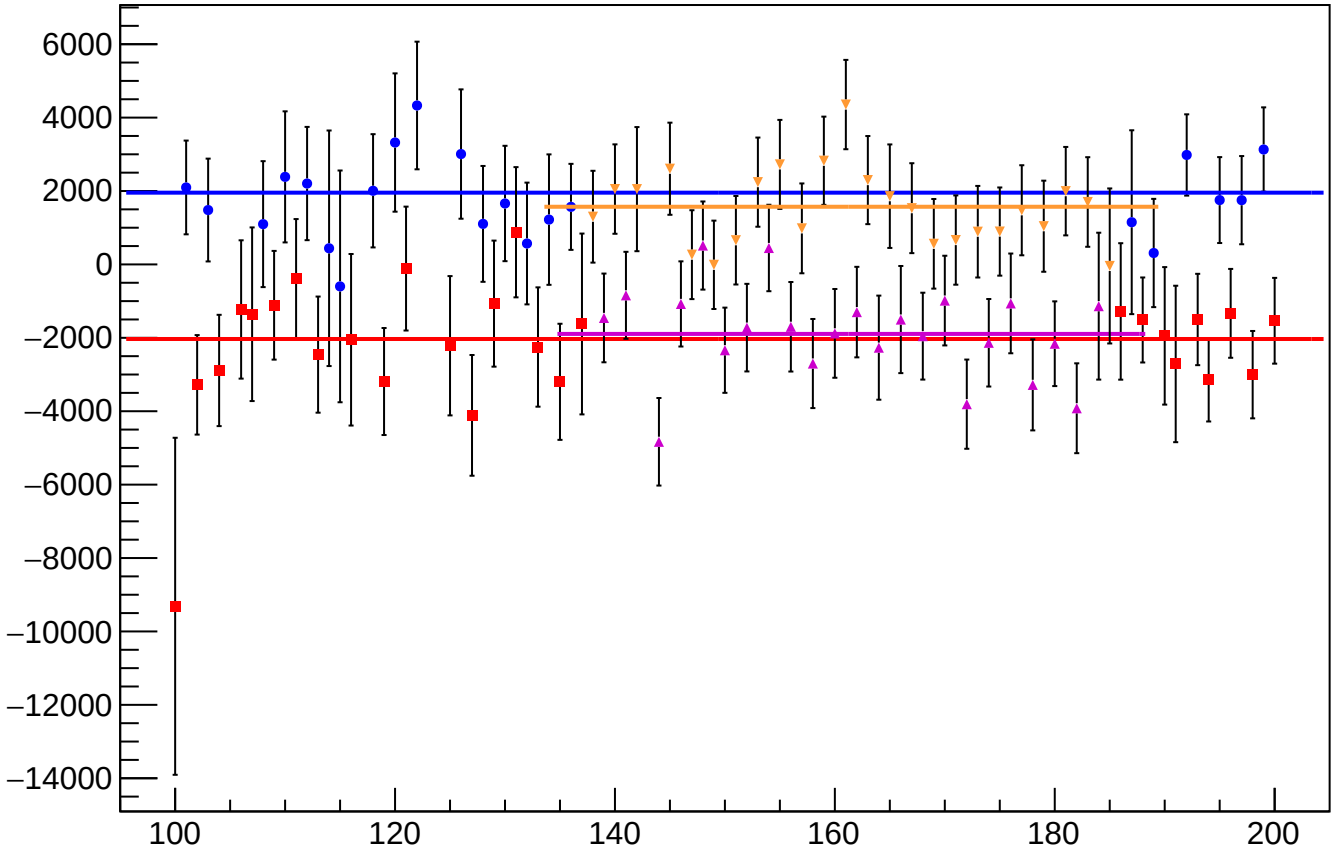
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1197.604+/-0.113 χ^2/NDF: 10778412.9/9

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

cor_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

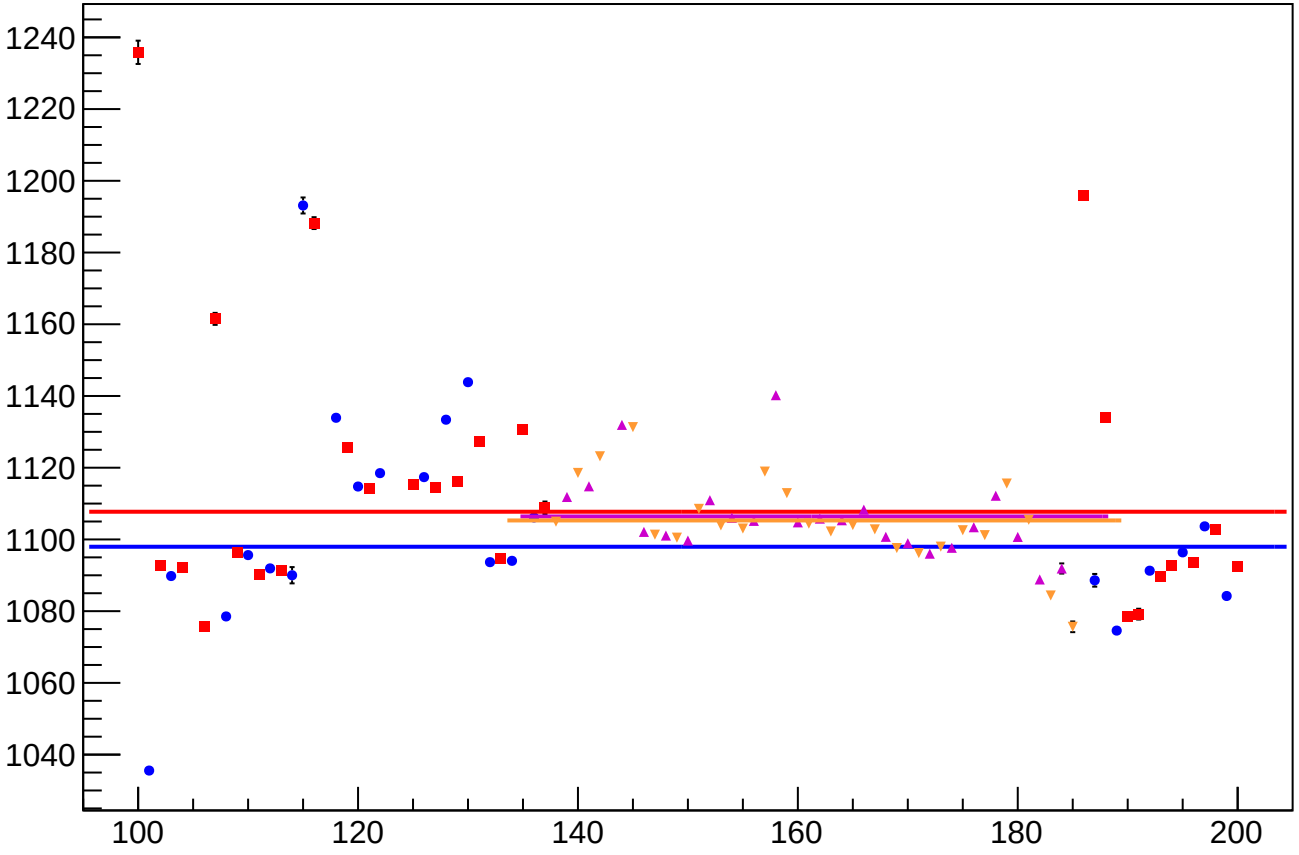
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -161.945+/-140.291 χ^2/NDF: 235.6/95

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

cor_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

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

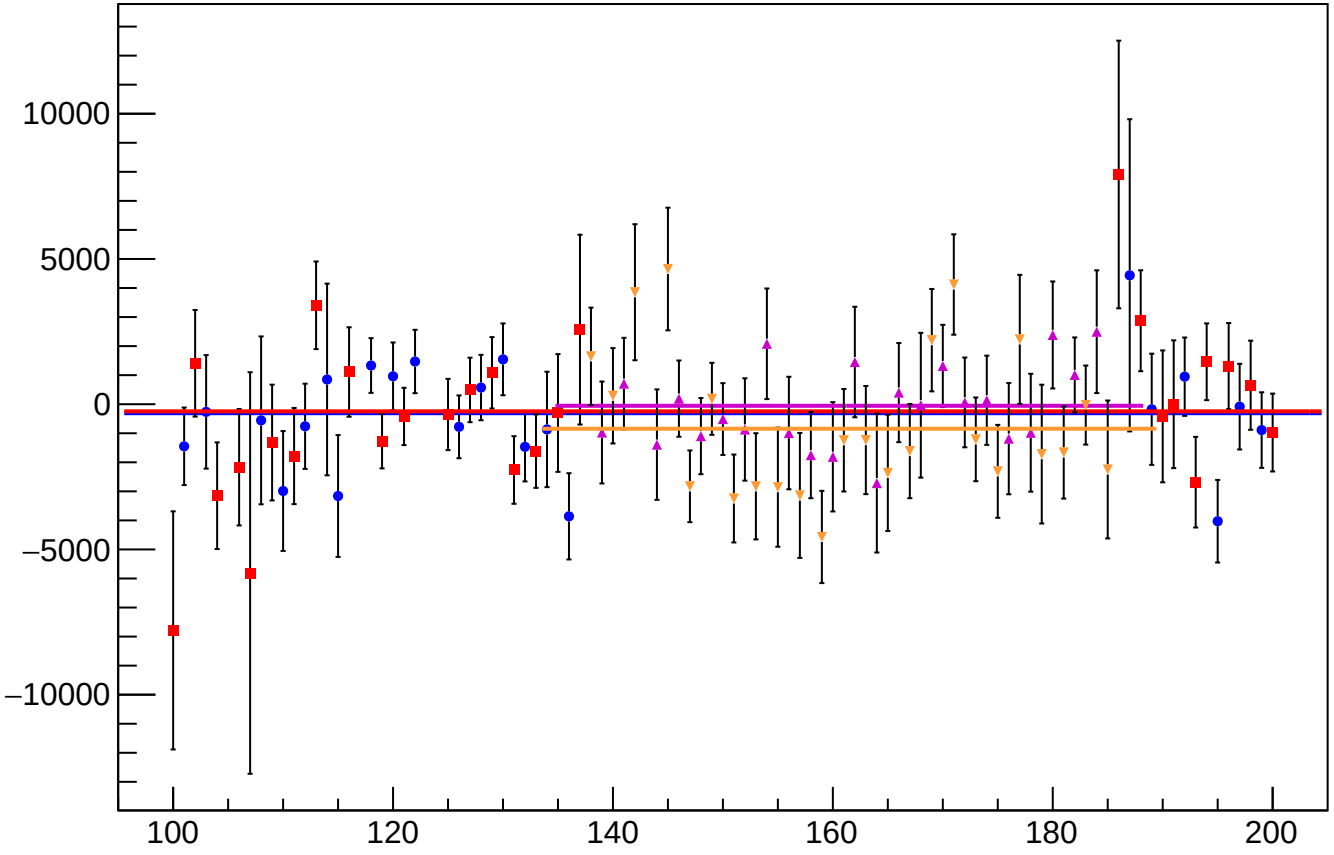
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95

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

asym_usl_cor_correction_mean vs Slug



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: -245.596+/-293.622 χ^2/NDF: 36.0/26

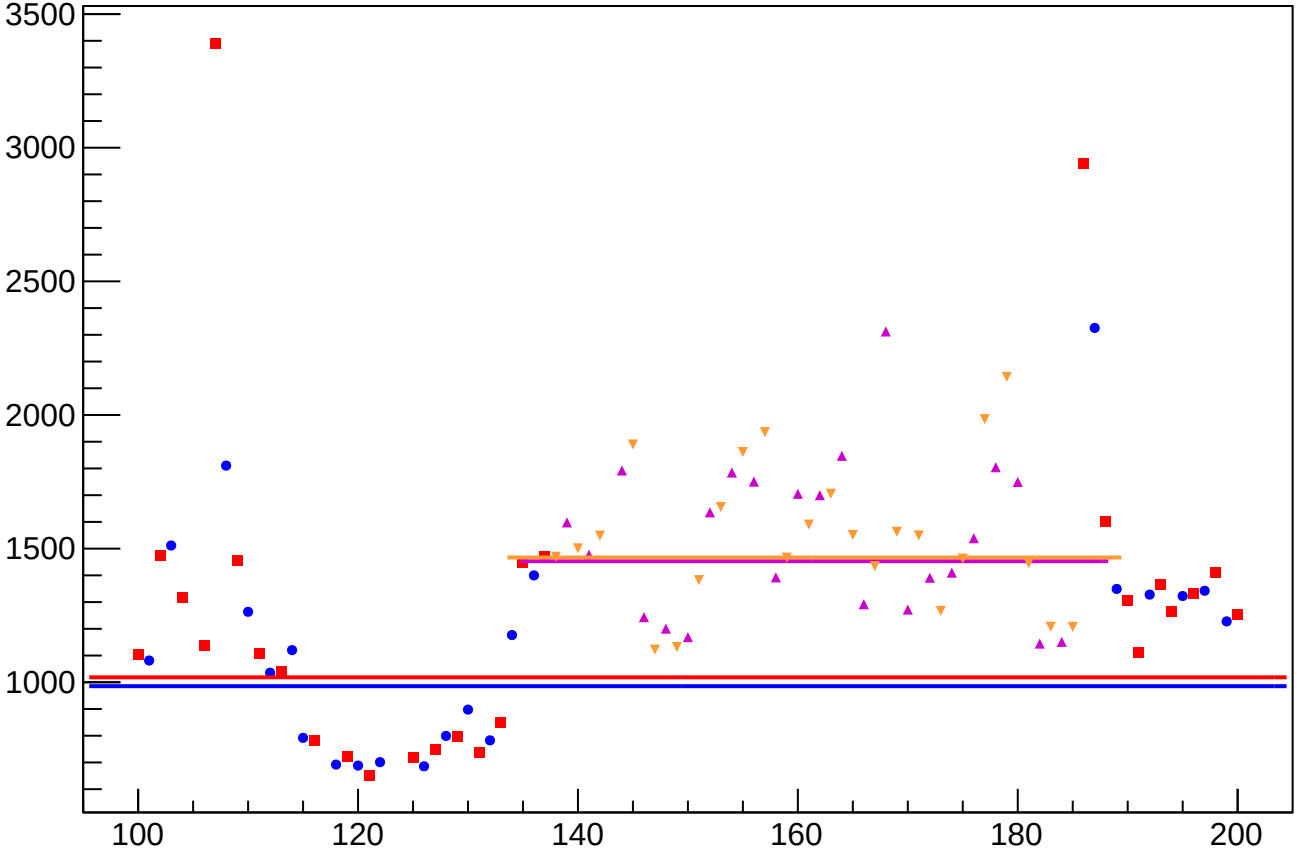
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -349.536+/-160.075 χ^2/NDF: 126.0/95

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

asym_usl_cor_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

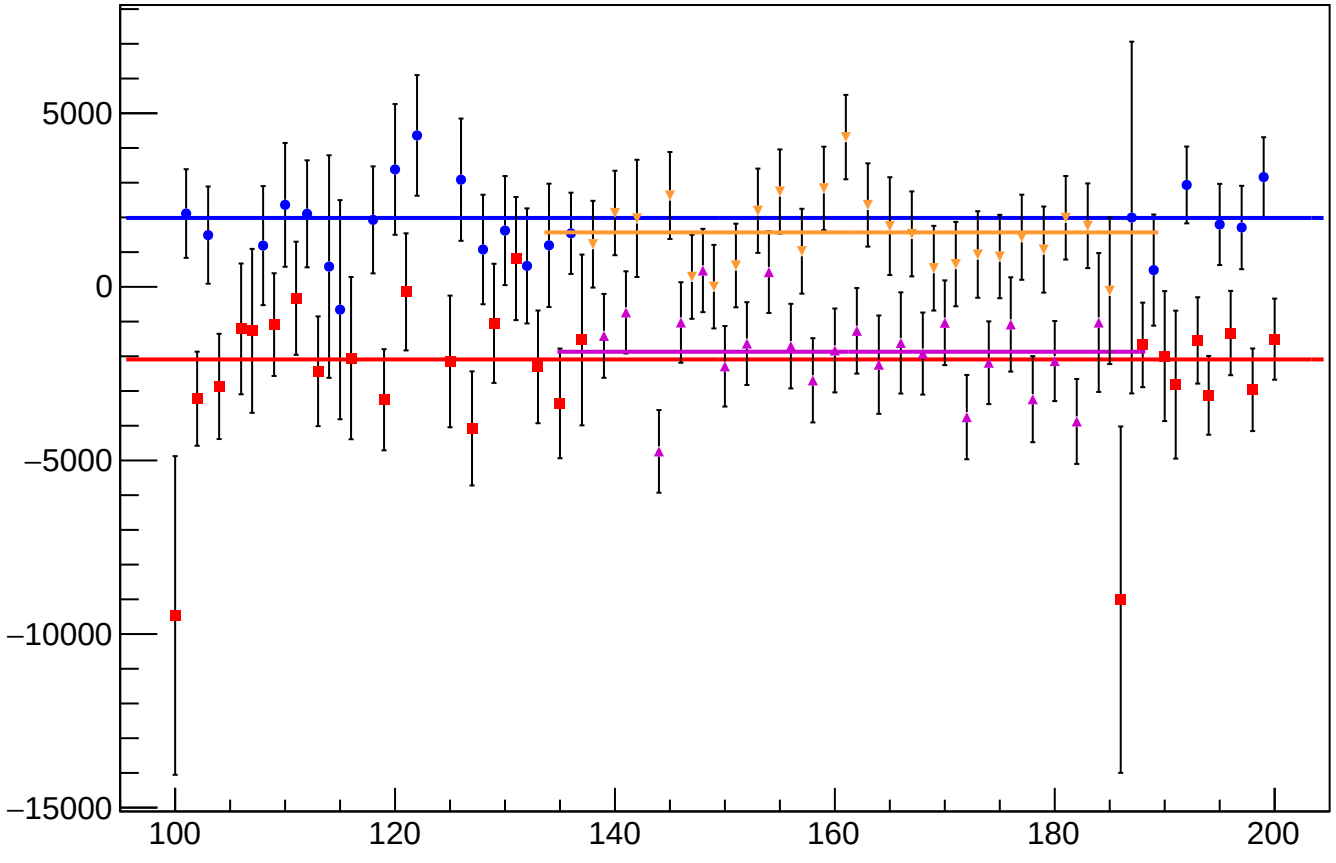
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1197.604+/-0.113 χ^2/NDF: 10778413.8/9

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

overload_cor_asym_usl_mean vs Slug



Right In: 1984.946+/-326.112 χ^2/NDF: 8.3/21

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

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

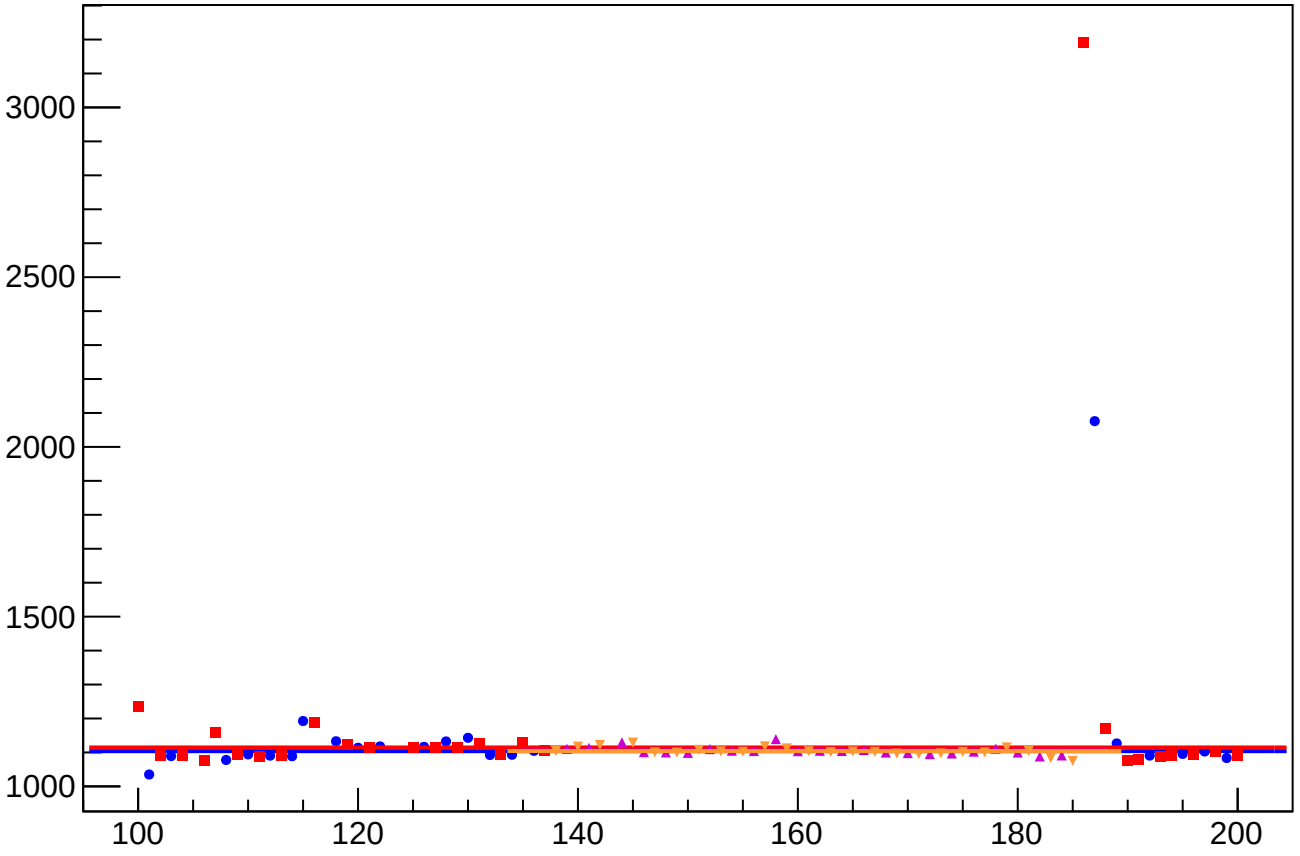
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1727.684+/-201.510 χ^2/NDF: 24.7/45

All: -158.251+/-140.885 χ^2/NDF: 236.9/95

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

overload_cor_asym_usl_rms vs Slug



Right In: 1103.681+/-0.231 χ^2/NDF: 86431.7/21

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

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

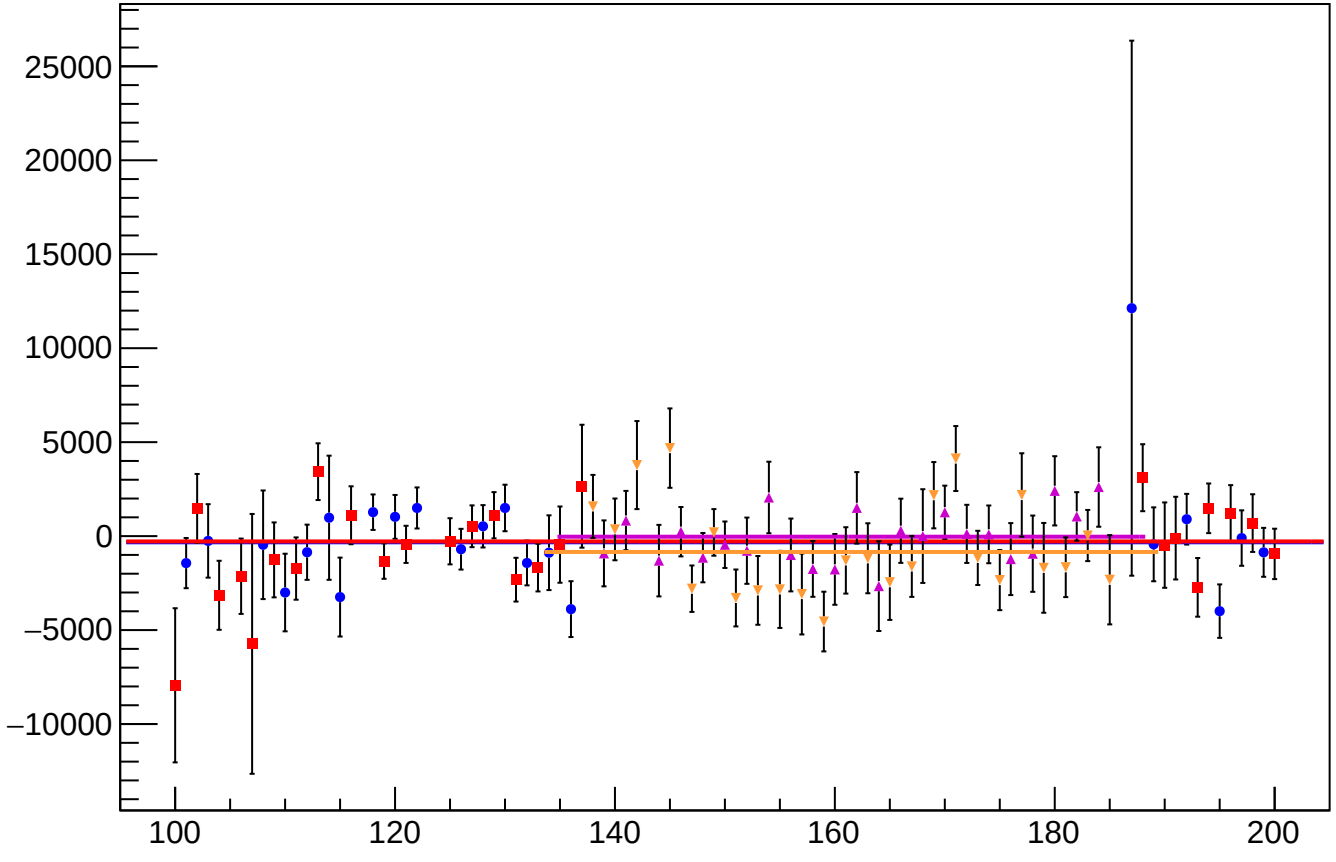
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1104.038+/-0.142 χ^2/NDF: 89434.8/45

All: 1106.710+/-0.100 χ^2/NDF: 457968.3/95

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -328.292+/-305.545 χ^2/NDF: 29.5/21

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

Right Out: -283.011+/-294.817 χ^2/NDF: 33.9/25

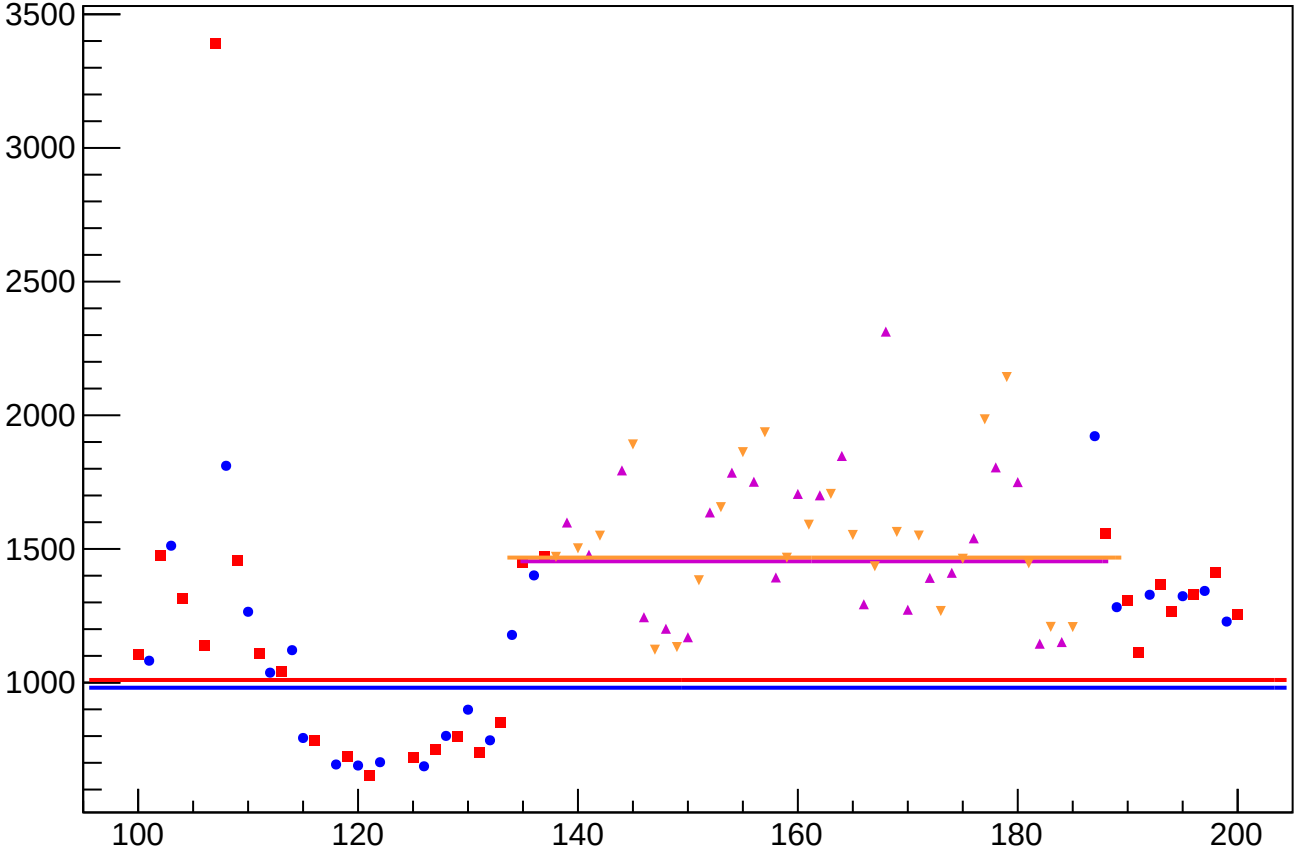
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -552.809+/-229.471 χ^2/NDF: 74.8/45

All: -360.859+/-160.454 χ^2/NDF: 123.4/94

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

asym_usl_overload_cor_correction_rms vs Slug



Right In: 980.910+/-0.216 χ^2/NDF: 1762526.7/21

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

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

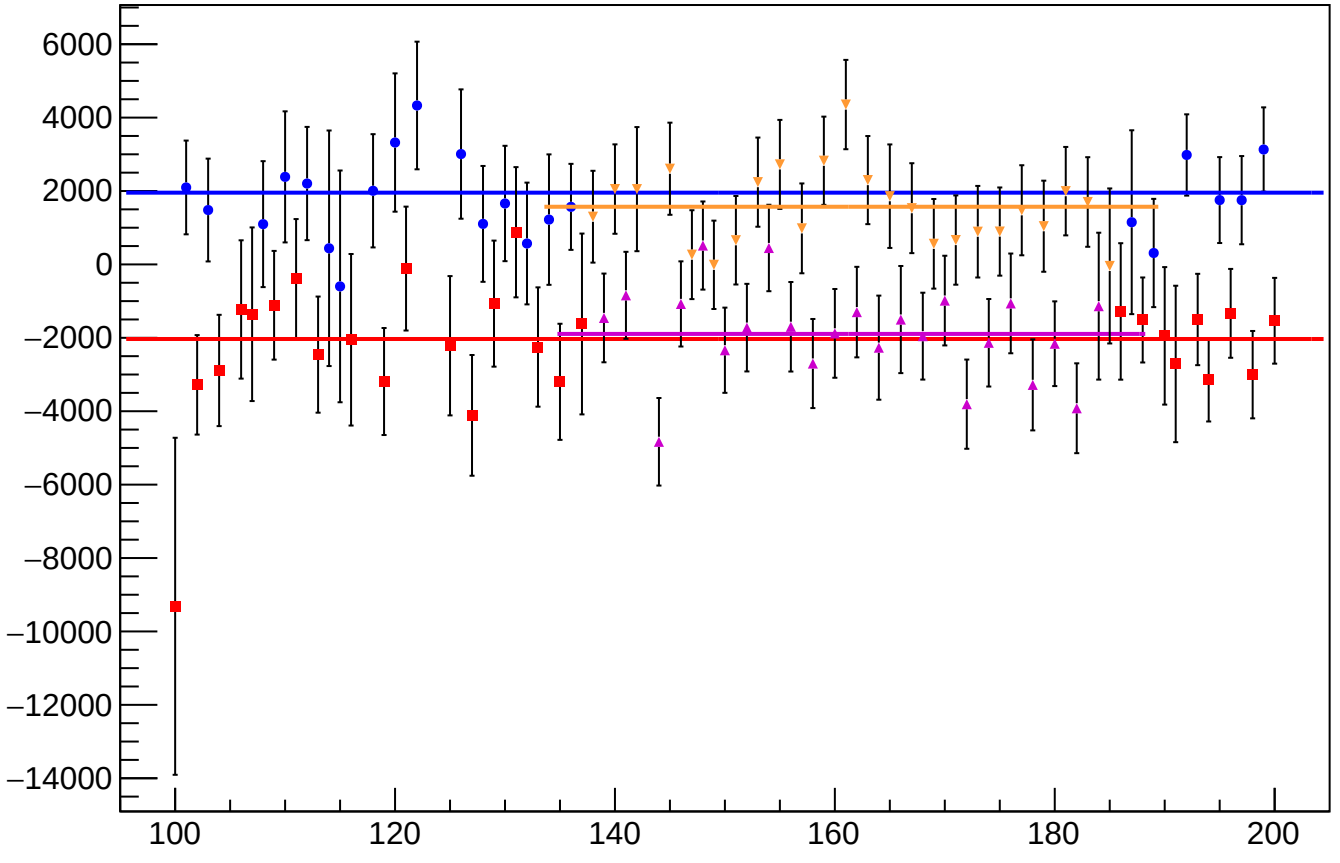
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1193.132+/-0.162 χ^2/NDF: 5017547.4/45

All: 1194.857+/-0.113 χ^2/NDF: 10334745.0/9

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

eigen_cor_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

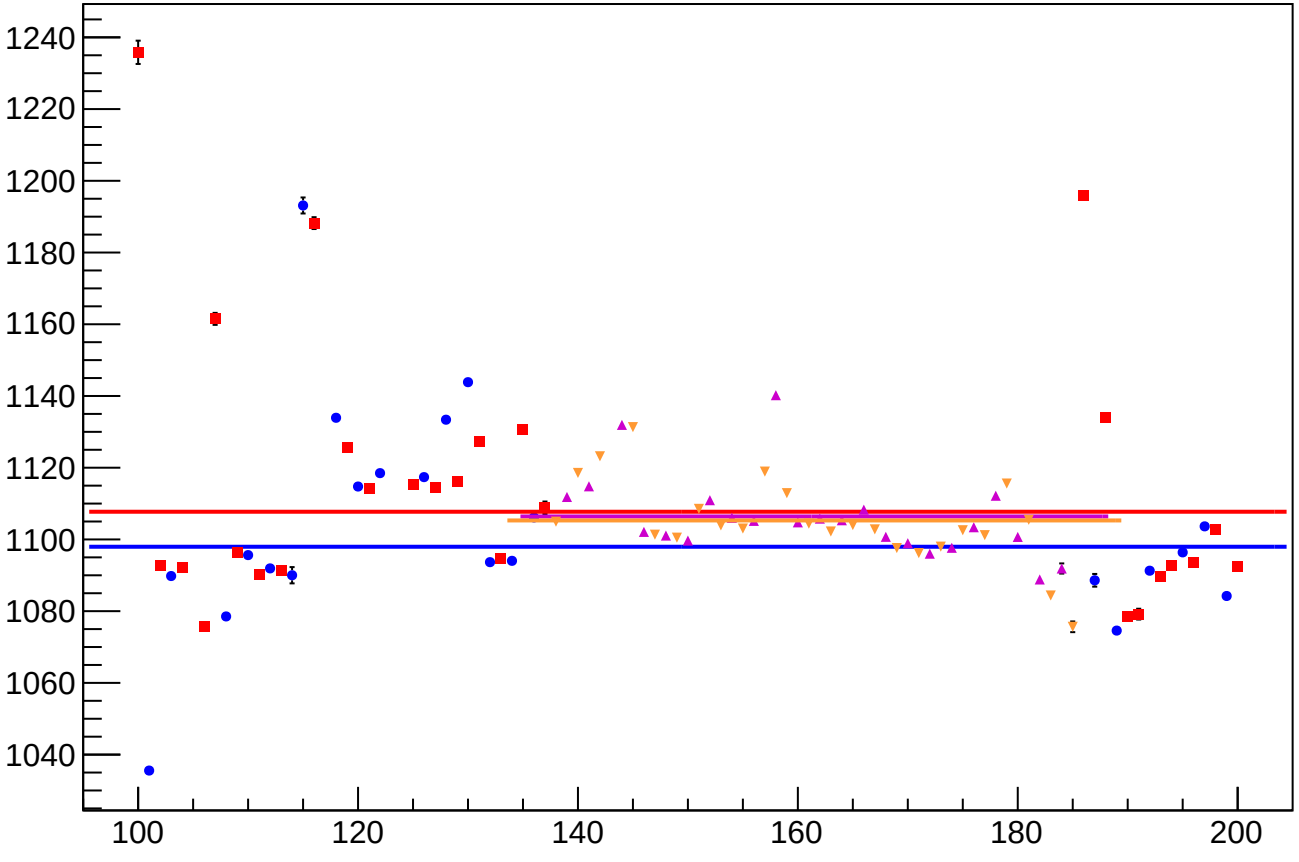
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -161.945+/-140.291 χ^2/NDF: 235.6/95

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

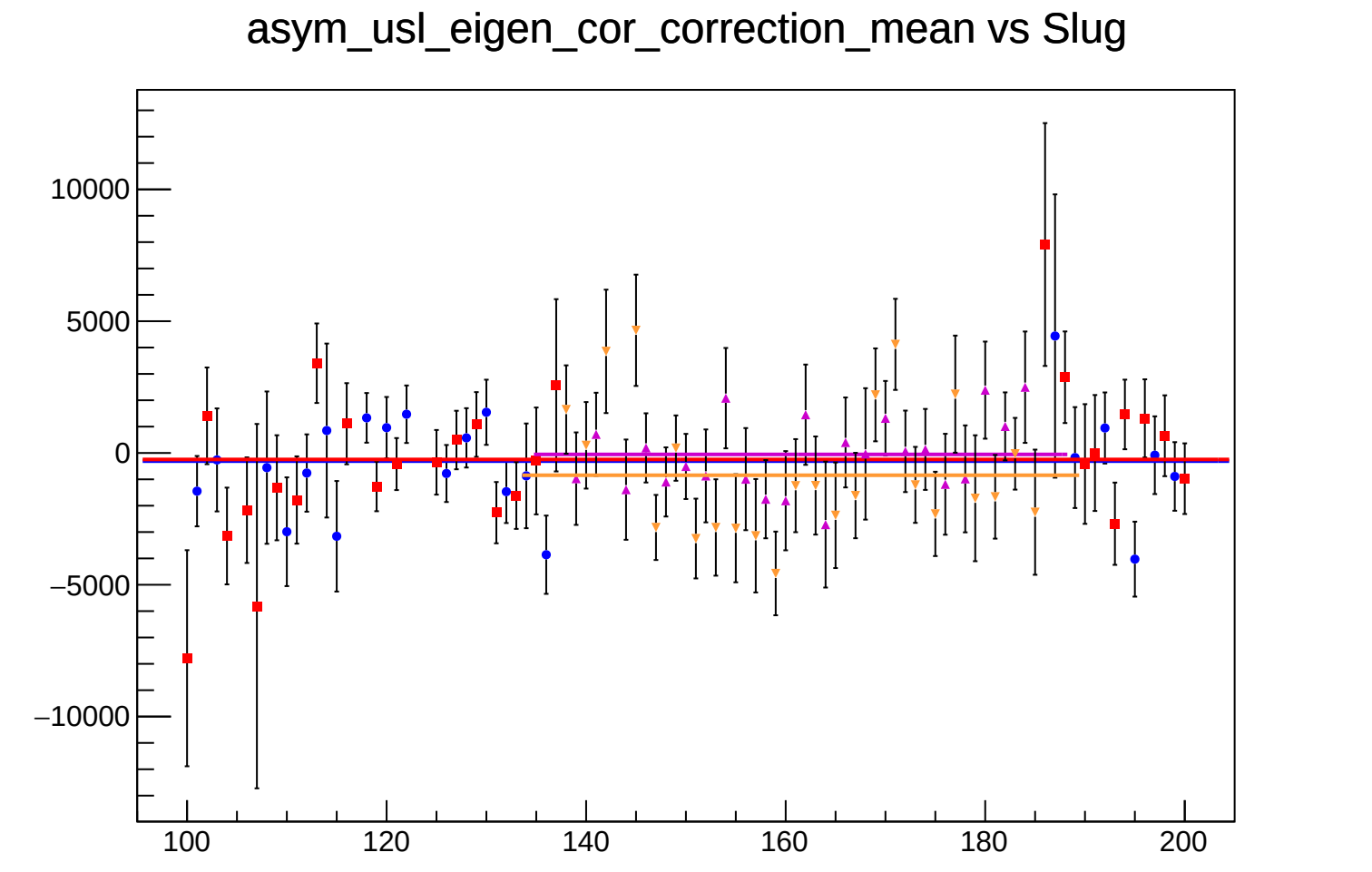
Right Out: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

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

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95

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



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: -245.596+/-293.622 χ^2/NDF: 36.0/26

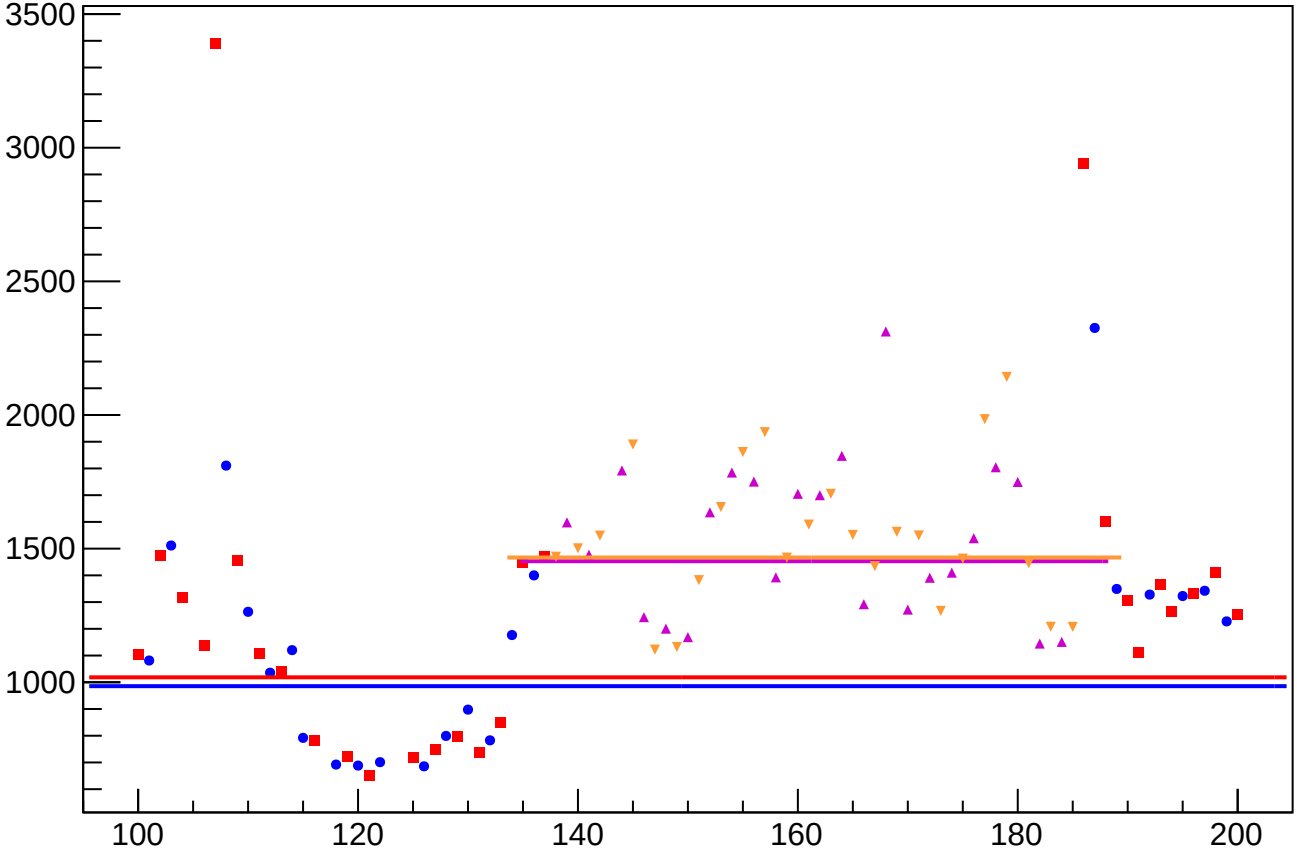
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -349.536+/-160.075 χ^2/NDF: 126.0/95

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

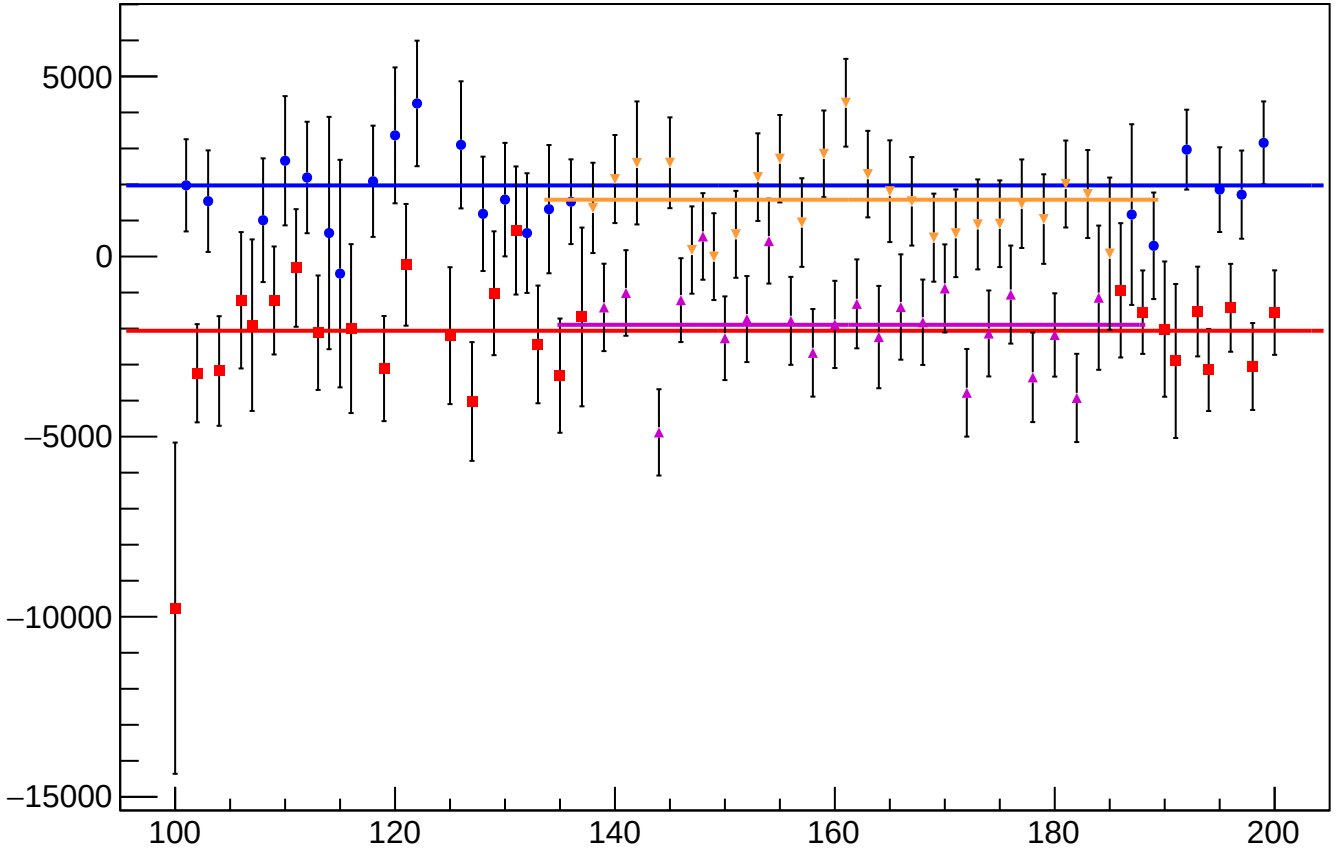
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1197.604+/-0.113 χ^2/NDF: 10778413.8/9

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

dit_asym_usl_mean vs Slug



Right In: 1974.236+/-324.368 χ^2/NDF: 8.5/21

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

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

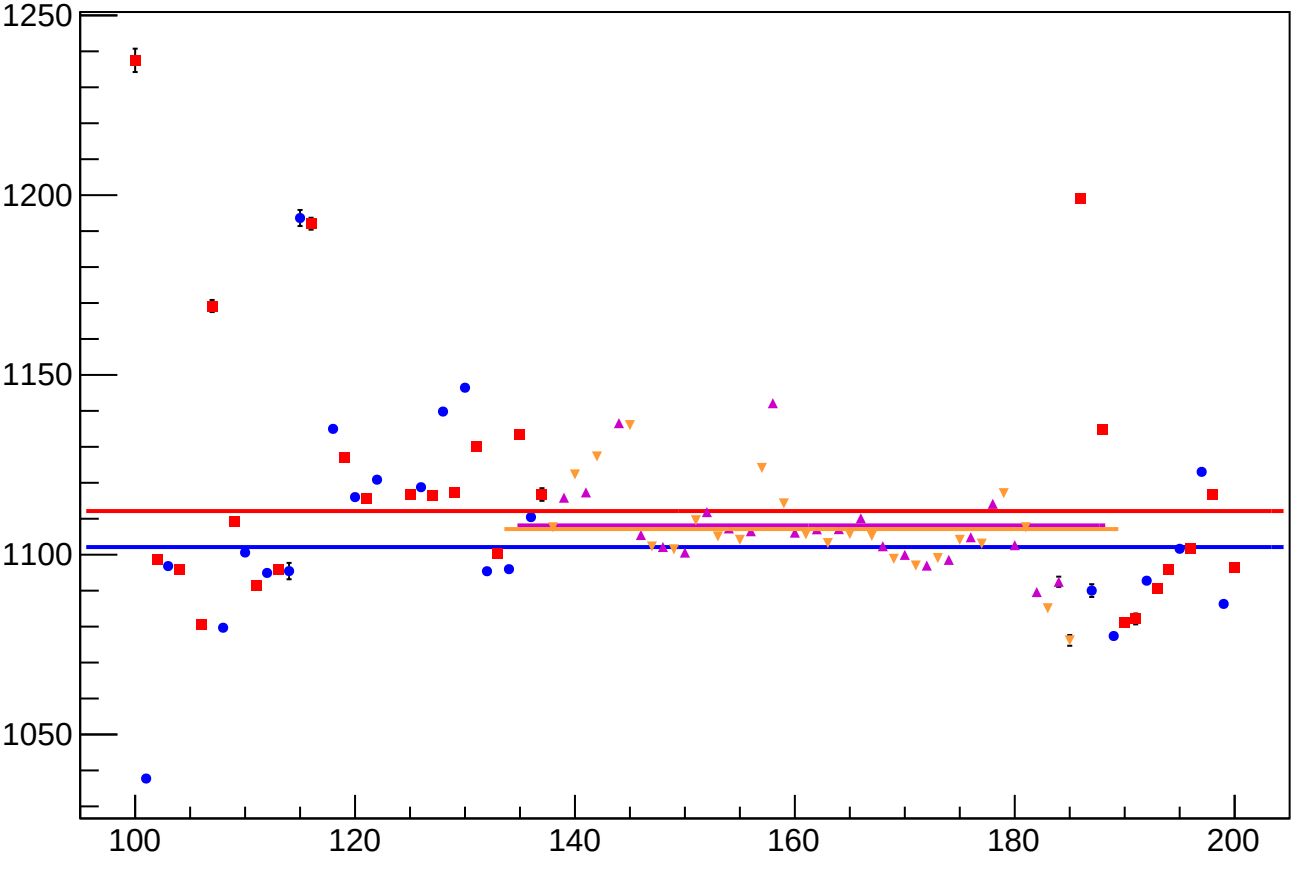
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1730.446+/-201.438 χ^2/NDF: 25.0/45

All: -163.408+/-140.658 χ^2/NDF: 237.1/95

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

dit_asym_usl_rms vs Slug



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.8/21

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

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

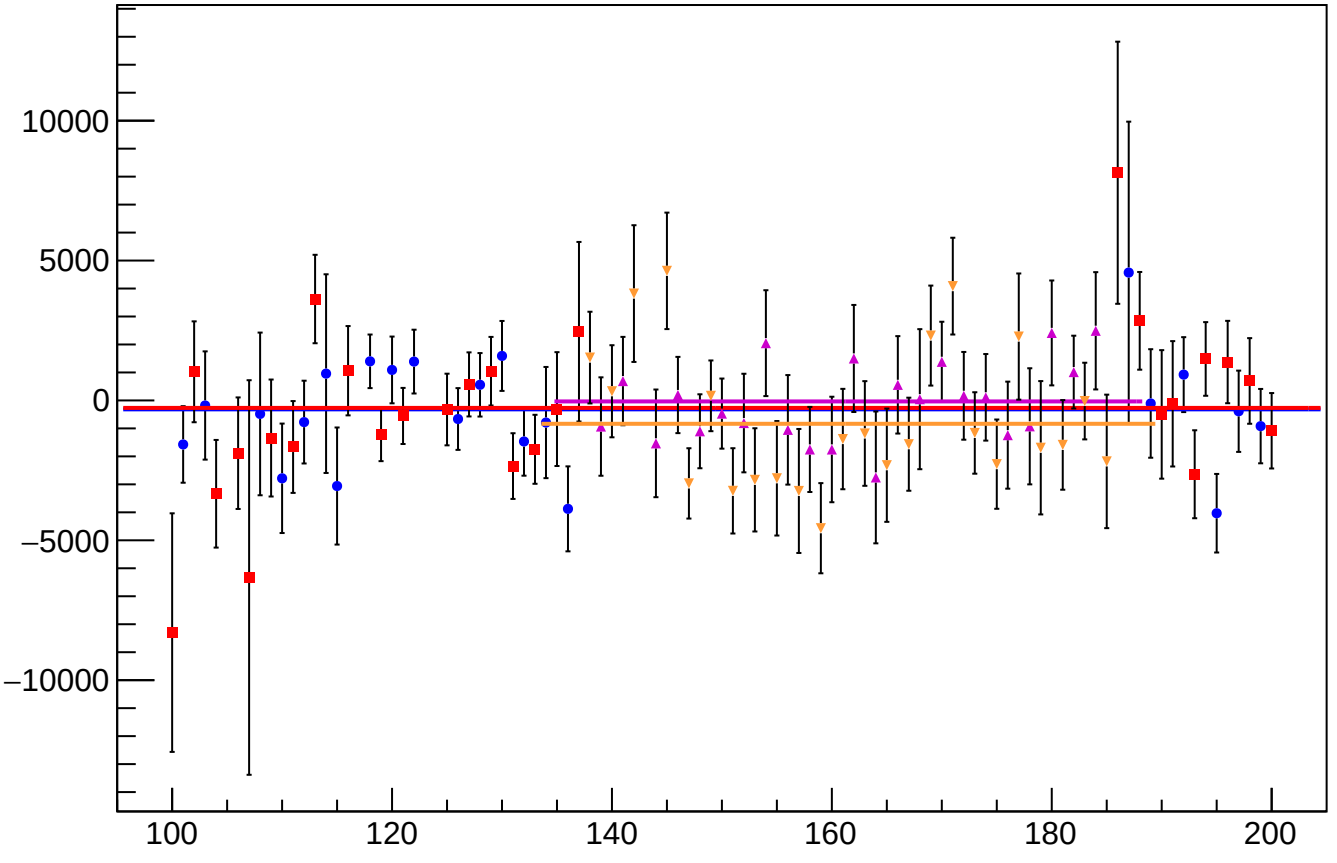
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.197+/-0.142 χ^2/NDF: 17242.0/45

All: 1107.574+/-0.099 χ^2/NDF: 37175.5/95

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

asym_usl_dit_correction_mean vs Slug



Right In: -319.085+/-308.505 χ^2/NDF: 29.6/21

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

Right Out: -267.281+/-297.133 χ^2/NDF: 36.3/26

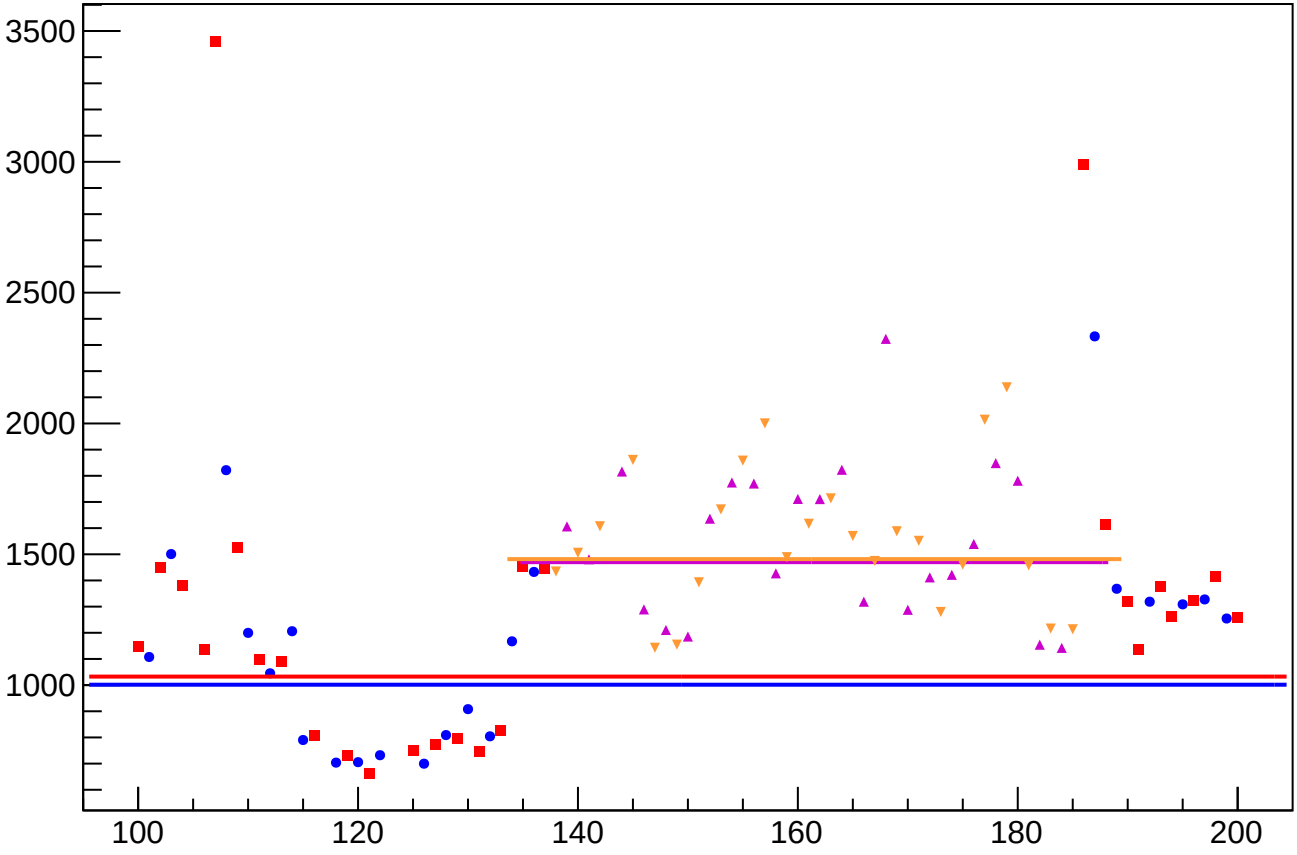
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -544.341+/-231.611 χ^2/NDF: 74.4/45

All: -352.971+/-161.906 χ^2/NDF: 125.3/95

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

asym_usl_dit_correction_rms vs Slug



Right In: 1001.515+/-0.218 χ^2/NDF: 1801581.4/21

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

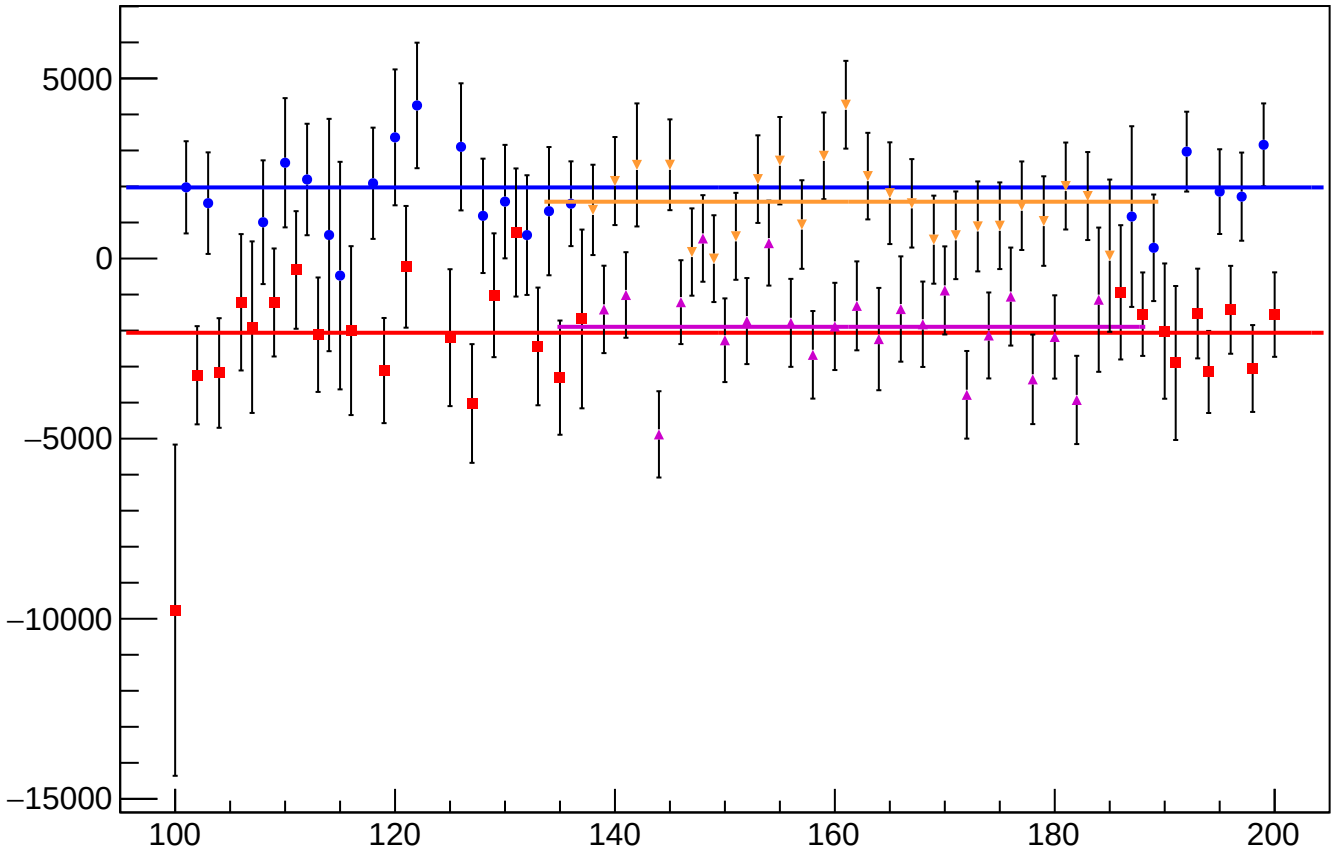
Right Out: 1032.567+/-0.210 χ^2/NDF: 2632142.8/26

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

+ sign 1210.986+/-0.164 χ^2/NDF: 4932027.9/45

All: 1213.533+/-0.114 χ^2/NDF: 10476674.3/9

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



Right In: 1974.235+/-324.368 χ^2/NDF: 8.5/21

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

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

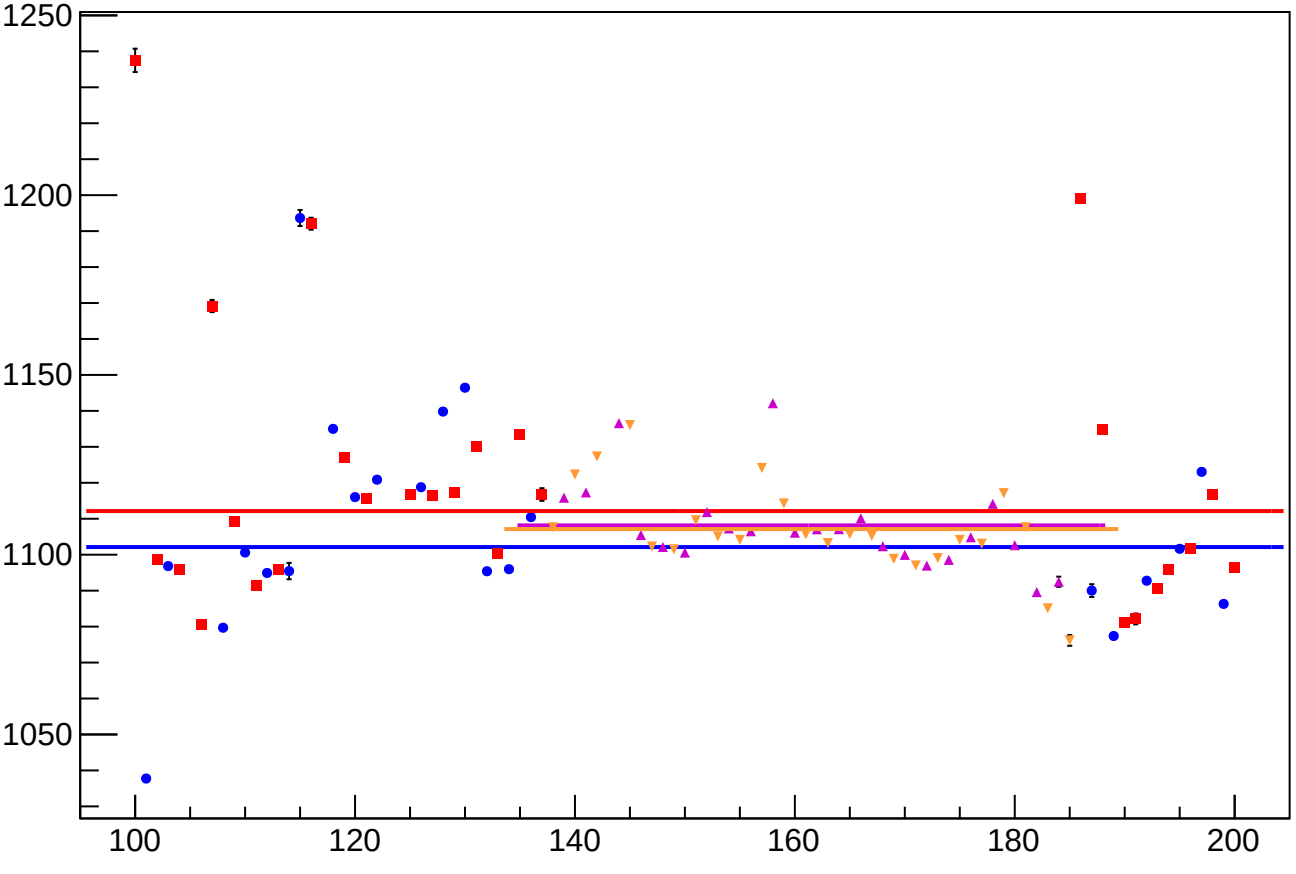
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1730.444+/-201.438 χ^2/NDF: 25.0/45

All: -163.409+/-140.658 χ^2/NDF: 237.1/95

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

eigen_dit_asym_usl_rms vs Slug



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.9/21

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

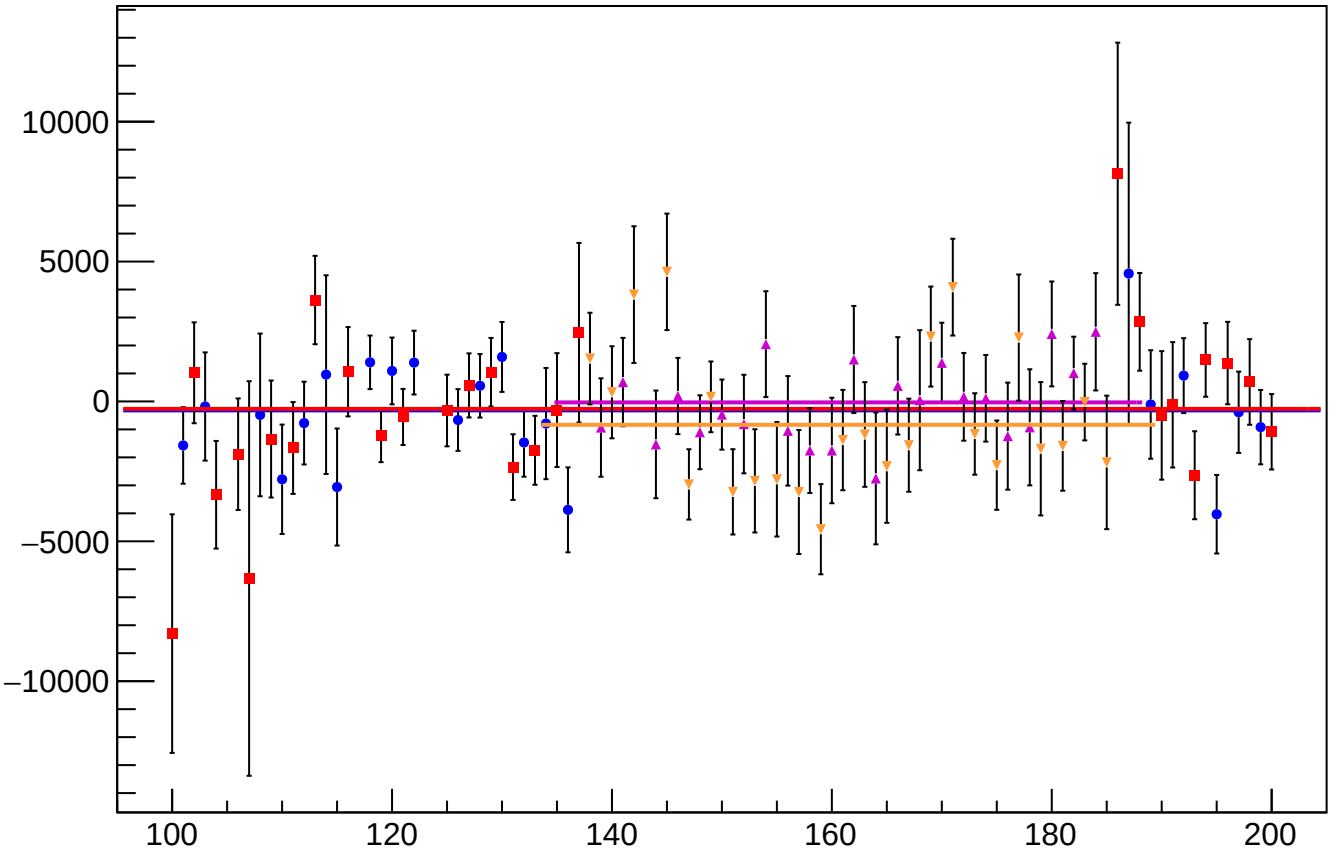
Right Out: 1112.139+/-0.214 χ^2/NDF: 14997.7/26

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

+ sign 1105.197+/-0.142 χ^2/NDF: 17242.0/45

All: 1107.574+/-0.099 χ^2/NDF: 37175.4/95

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



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

Right Out: -267.281+/-297.132 χ^2/NDF: 36.3/26

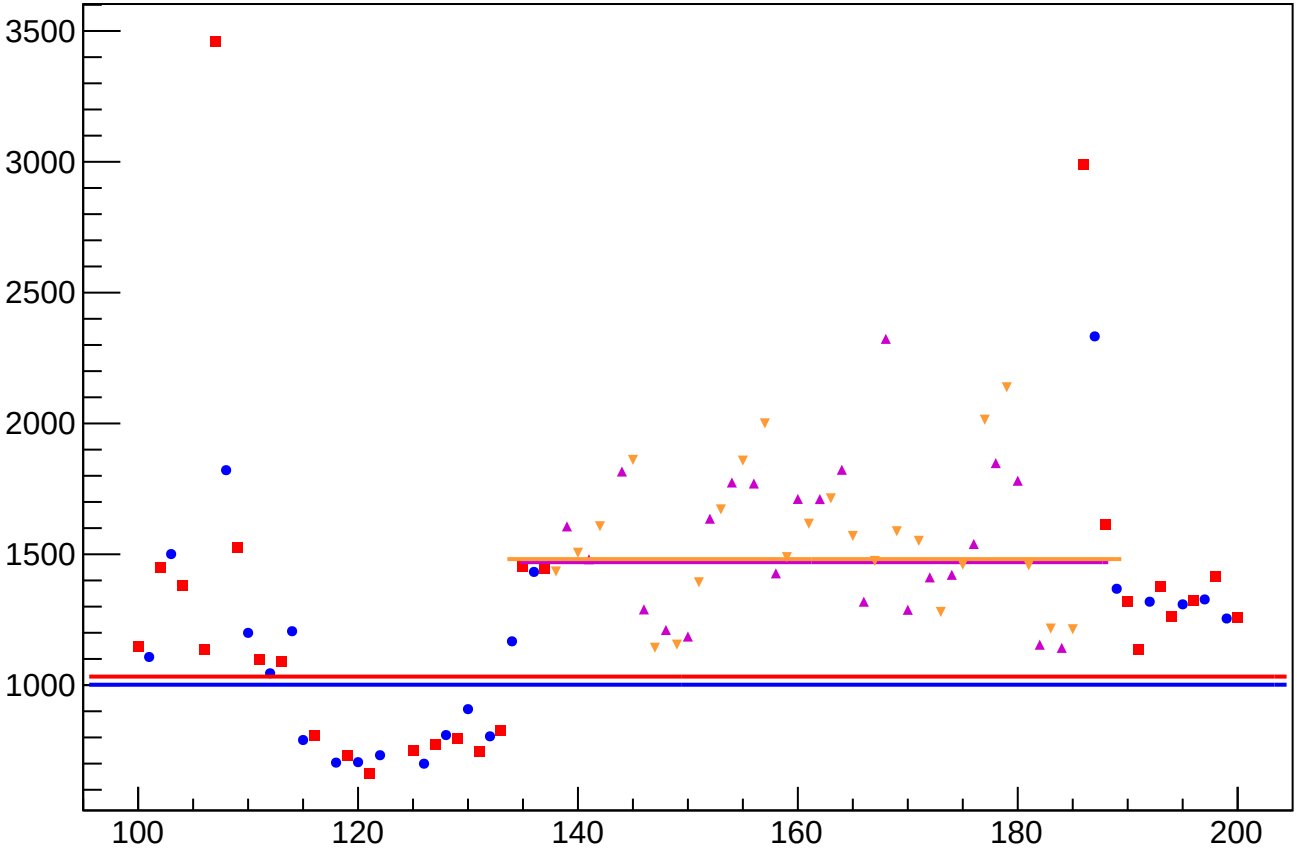
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -544.341+/-231.611 χ^2/NDF: 74.4/45

All: -352.971+/-161.905 χ^2/NDF: 125.3/95

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 1001.513+/-0.218 χ^2/NDF: 1801592.8/21

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

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

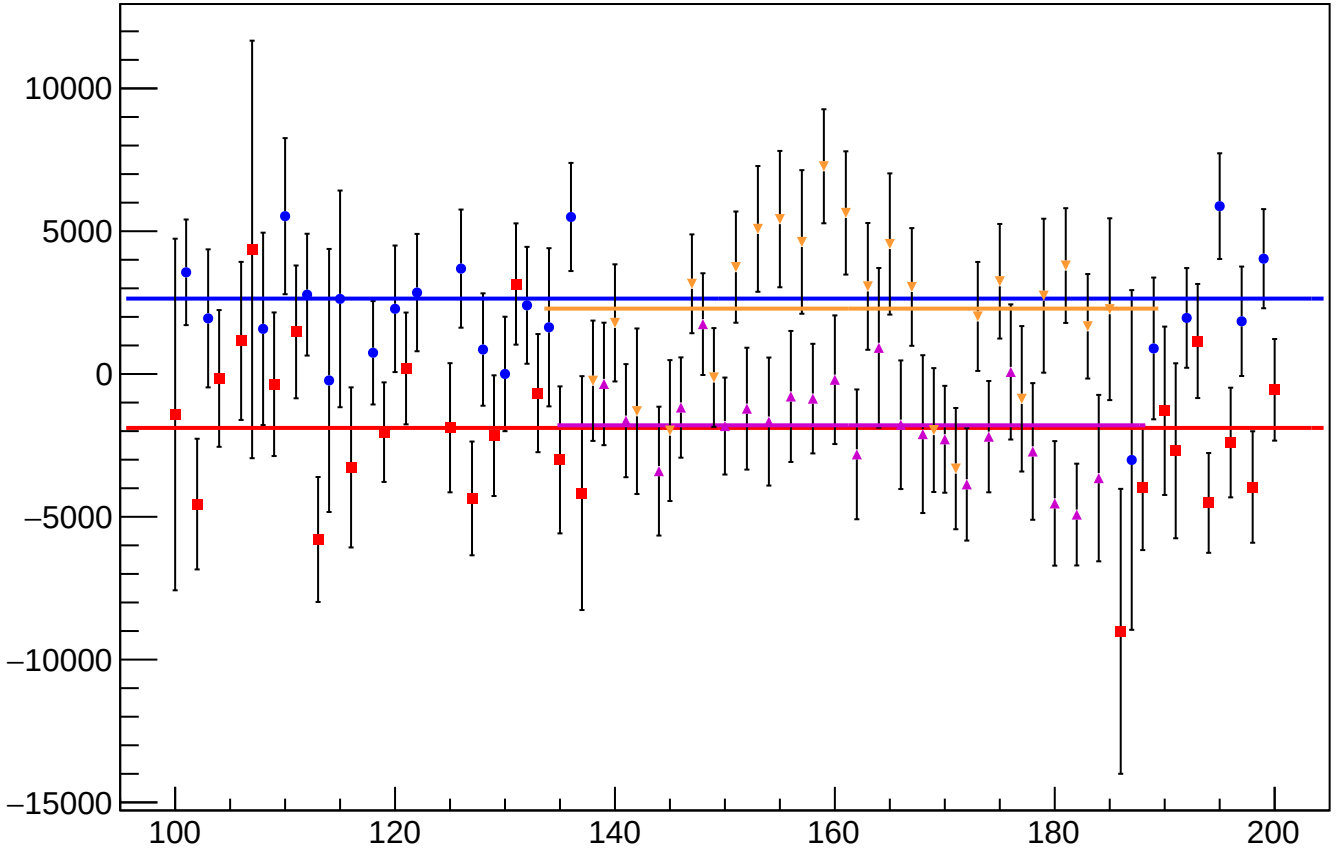
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1210.985+/-0.164 χ^2/NDF: 4932065.4/45

All: 1213.532+/-0.114 χ^2/NDF: 10476750.6/9

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

asym_usl_mean vs Slug



Right In: 2640.804+/-467.685 χ^2/NDF: 13.7/21

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

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

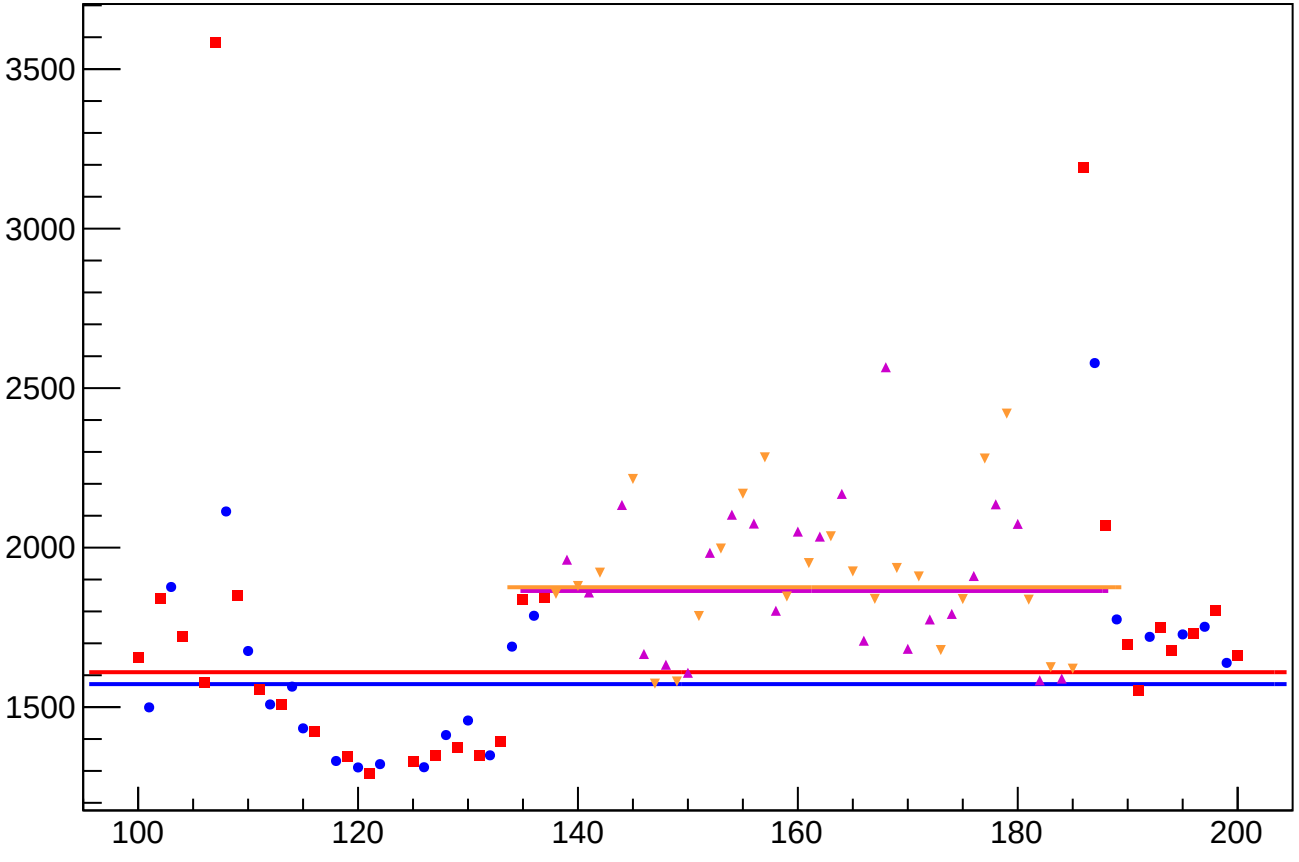
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2454.286+/-320.208 χ^2/NDF: 50.1/45

All: 254.733+/-223.678 χ^2/NDF: 184.8/95

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

asym_usl_rms vs Slug



Right In: 1572.120+/-0.331 χ^2/NDF: 411032.4/21

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

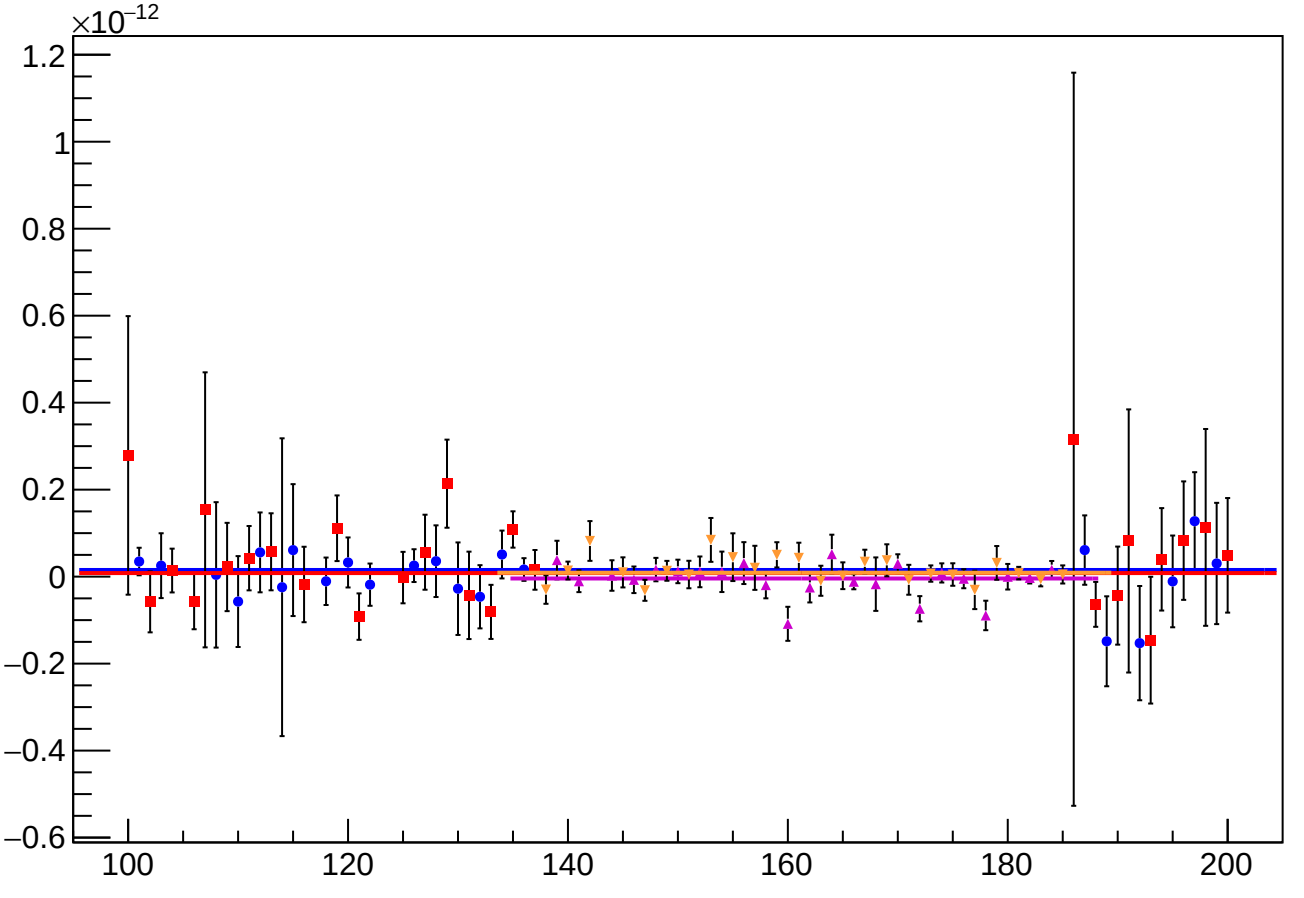
Right Out: 1609.507+/-0.315 χ^2/NDF: 802307.7/26

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

+ sign 1733.455+/-0.226 χ^2/NDF: 1331605.2/45

All: 1736.055+/-0.158 χ^2/NDF: 2976558.5/95

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



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/26

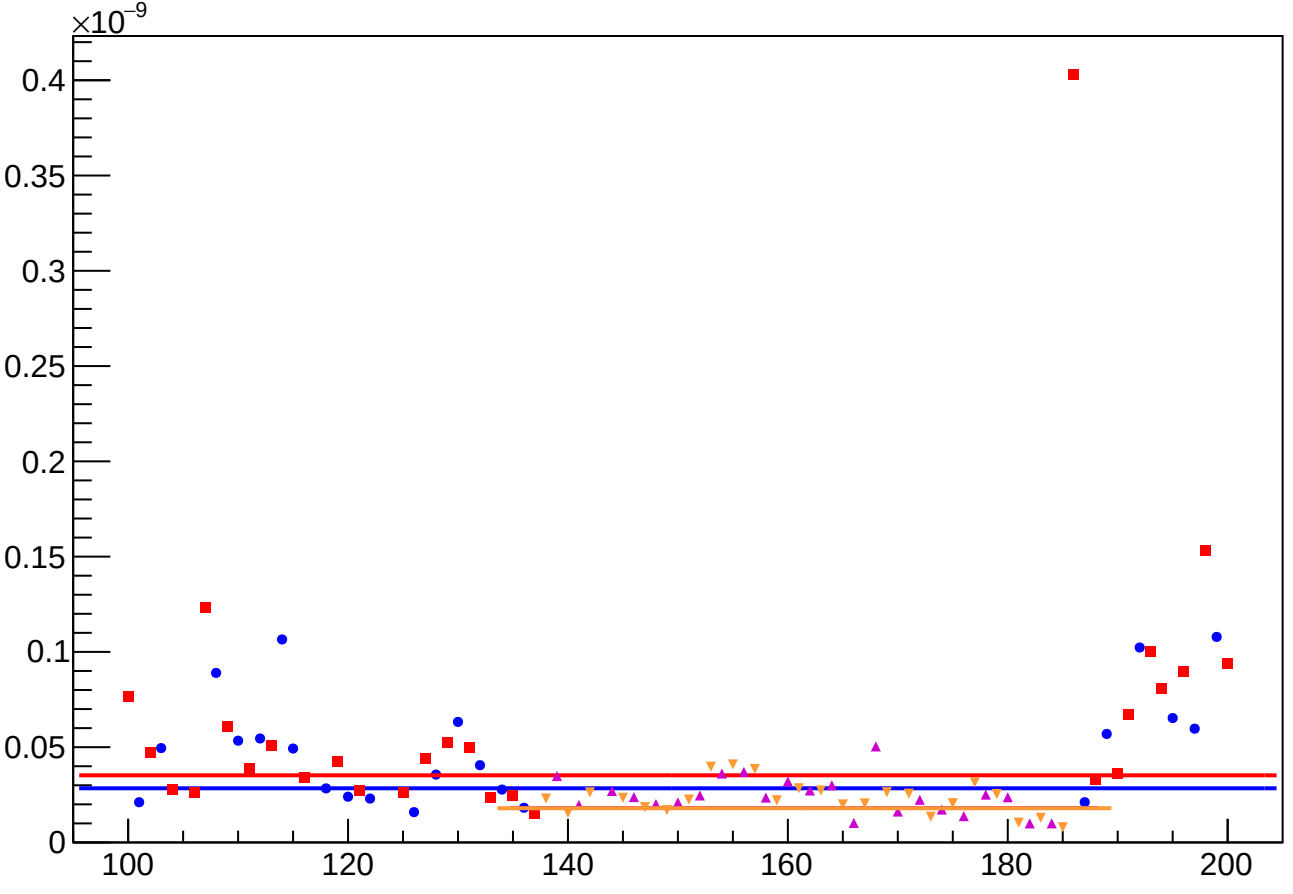
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/45

All: 0.000+/-0.000 χ^2/NDF: 83.2/95

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

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3646823.4/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3705318.3/26

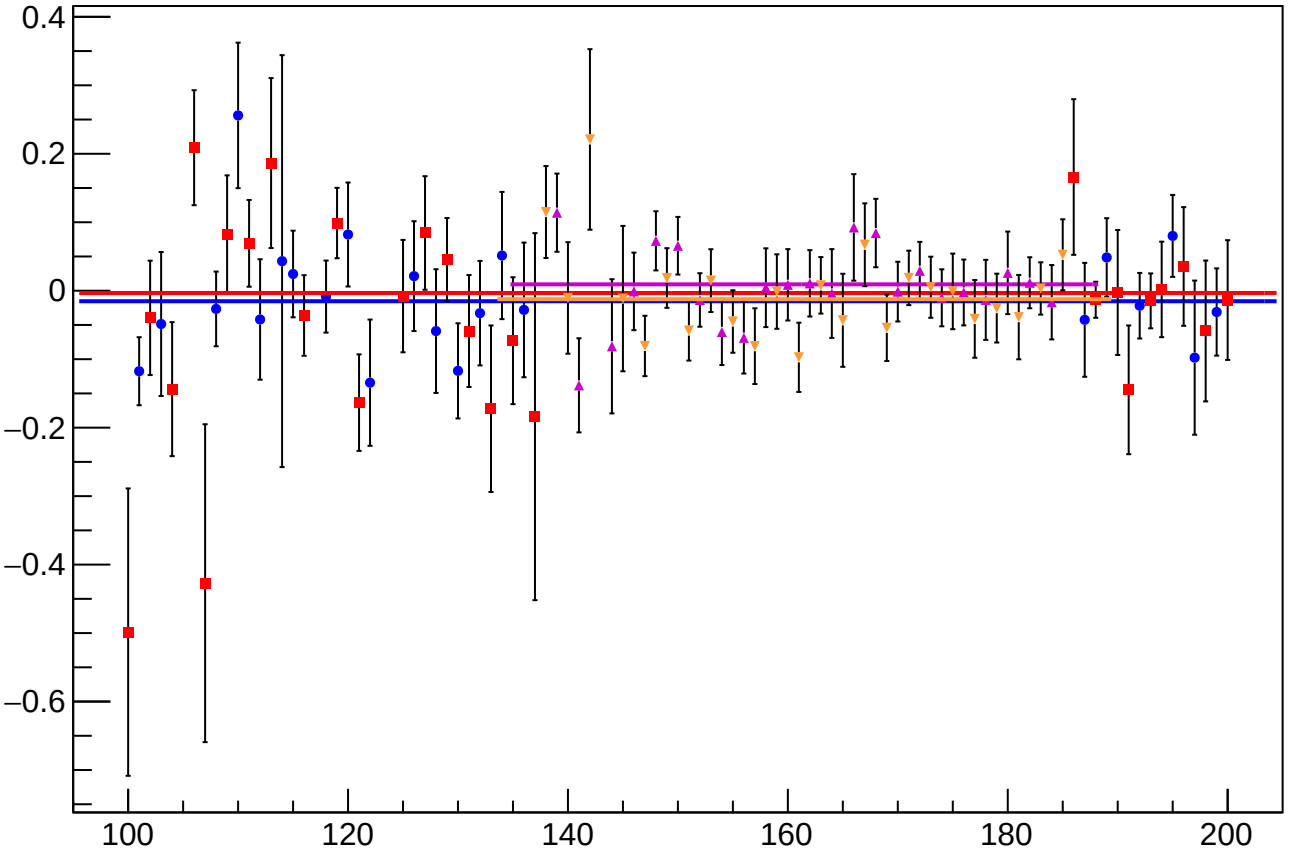
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8253517.2/45

All: 0.000+/-0.000 χ^2/NDF: 18526783.2/95

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

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

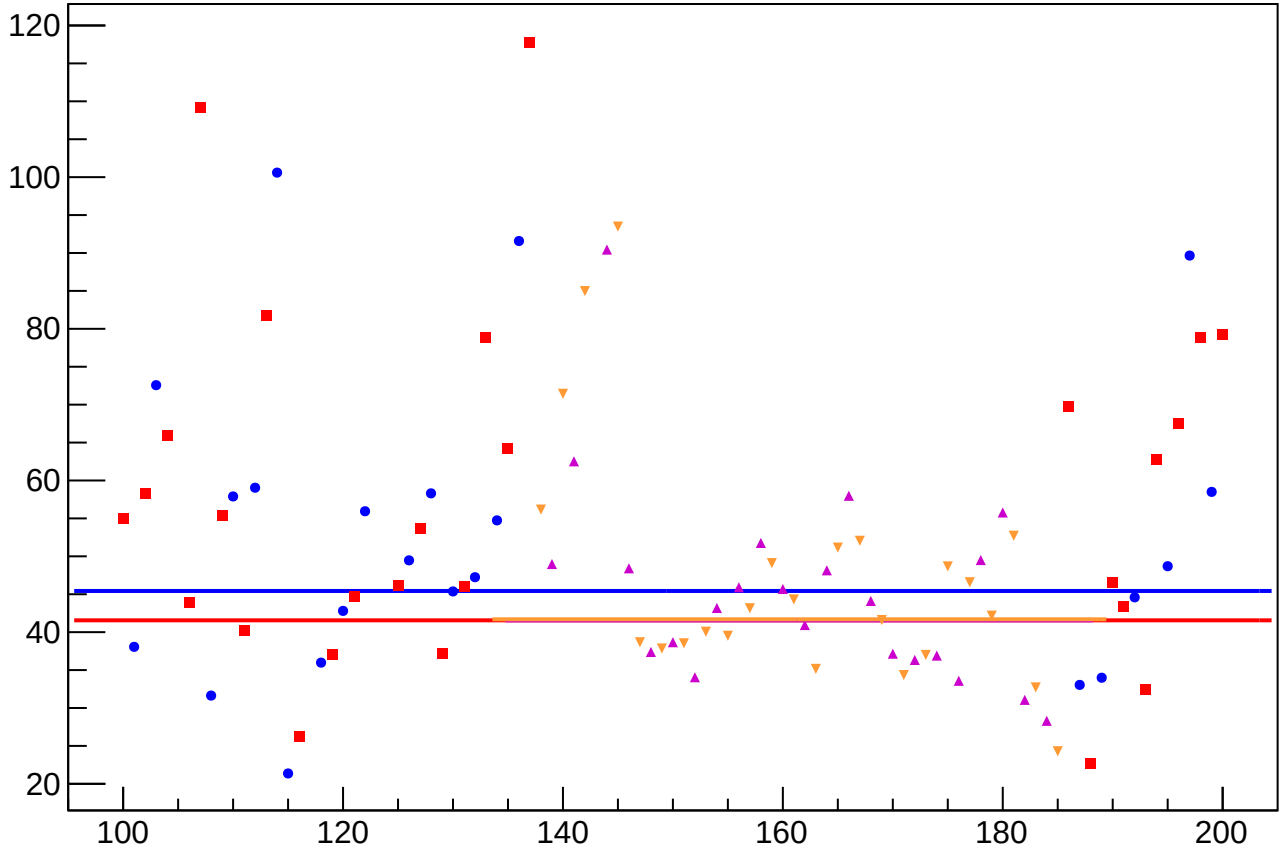
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/95

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

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

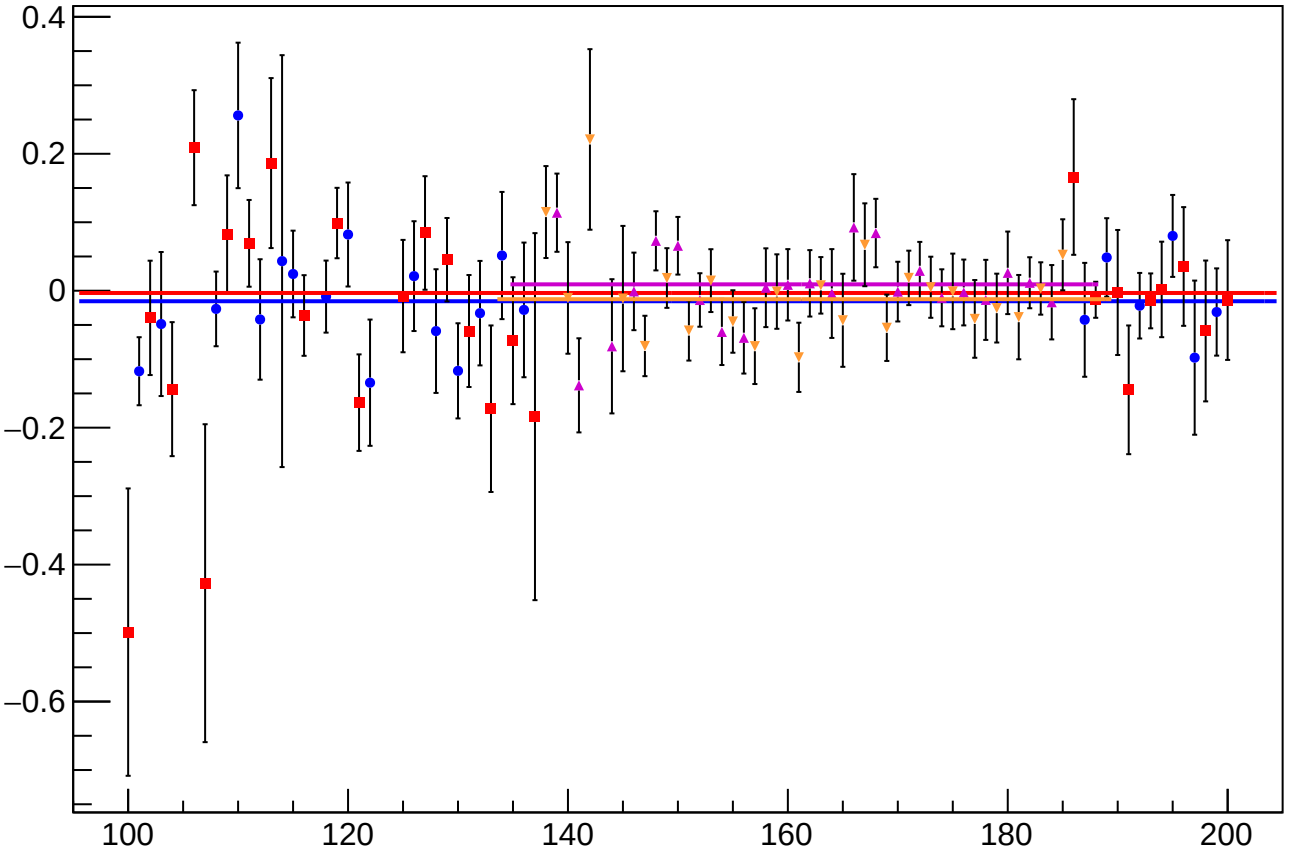
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

\+ sign 42.901+/-0.006 χ^2/NDF: 3764452.8/45

All: 42.196+/-0.004 χ^2/NDF: 8996178.8/95

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

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

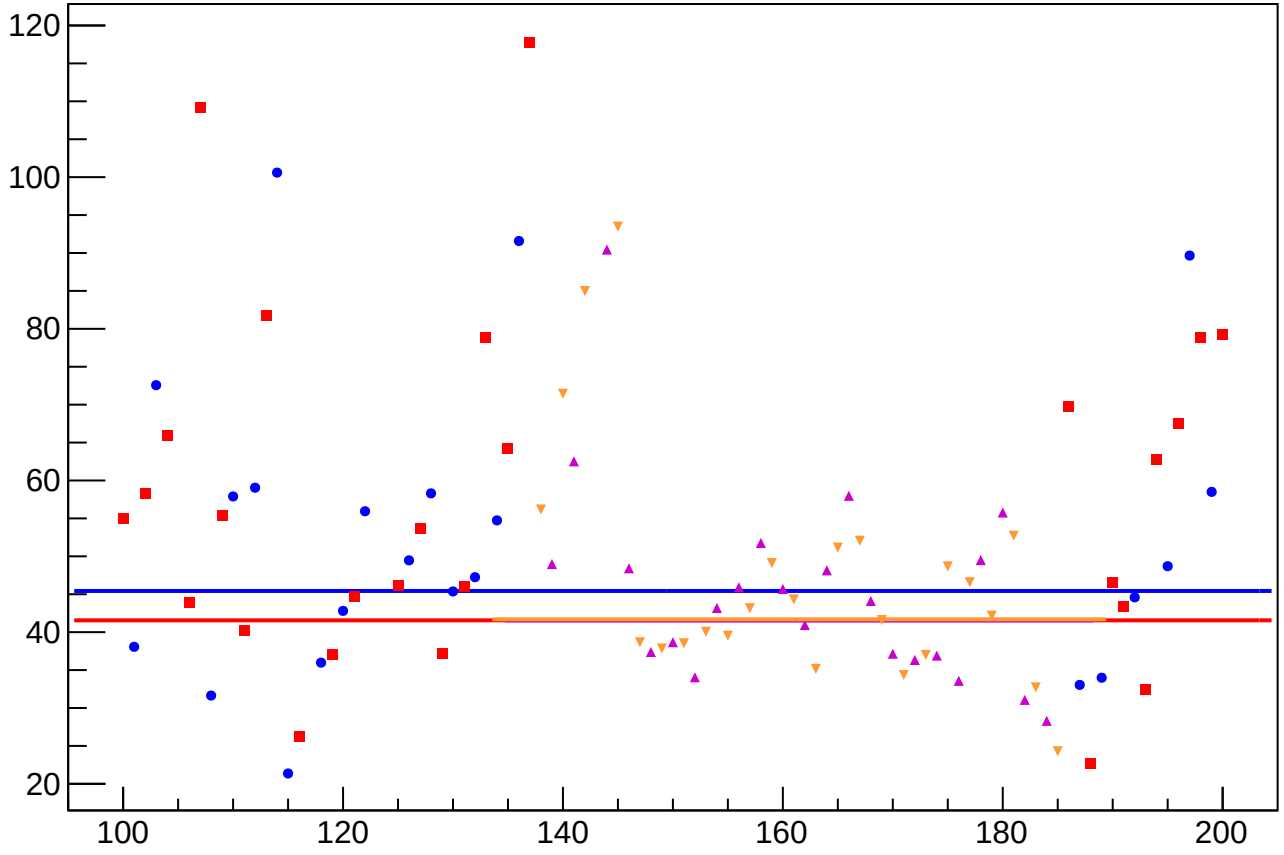
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/95

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

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

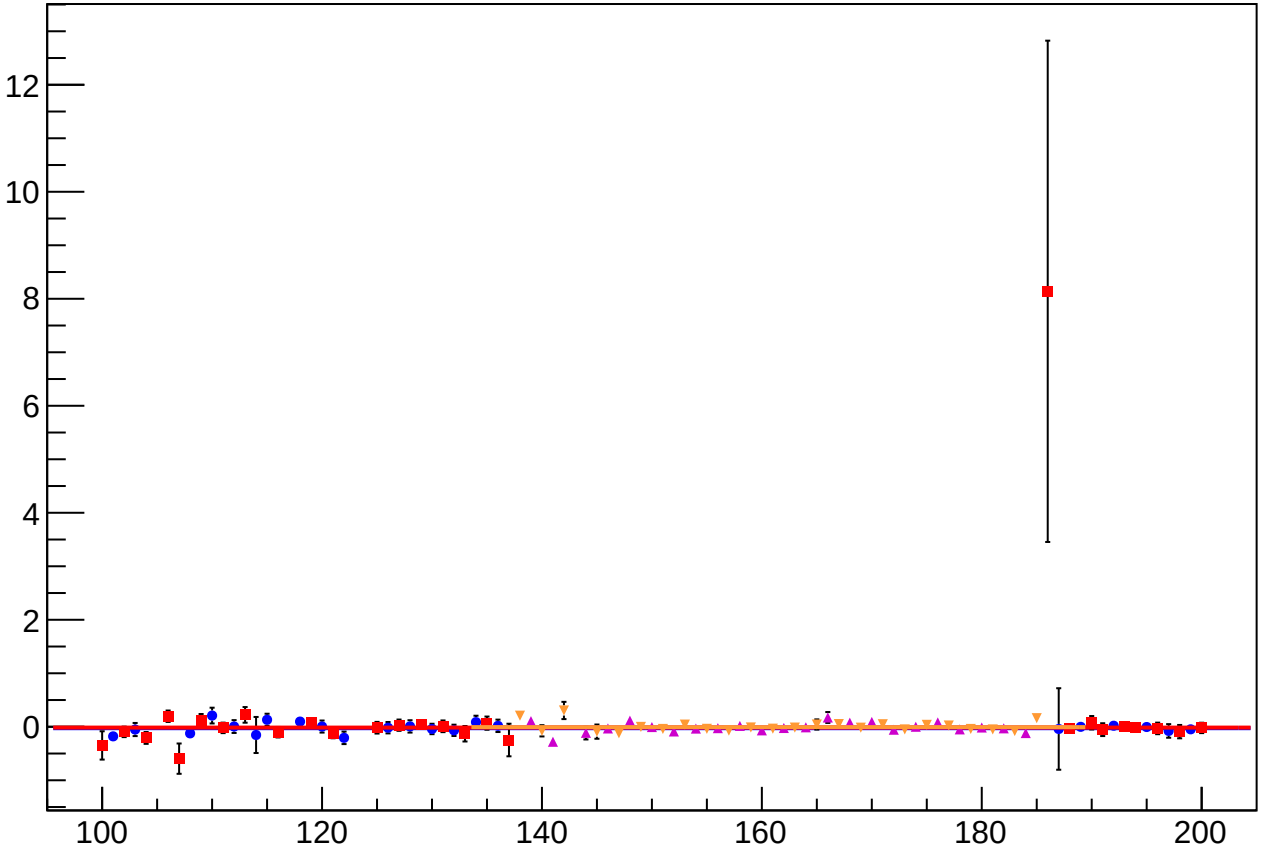
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.901+/-0.006 χ^2/NDF: 3764452.8/45

All: 42.196+/-0.004 χ^2/NDF: 8996178.8/95

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

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/26

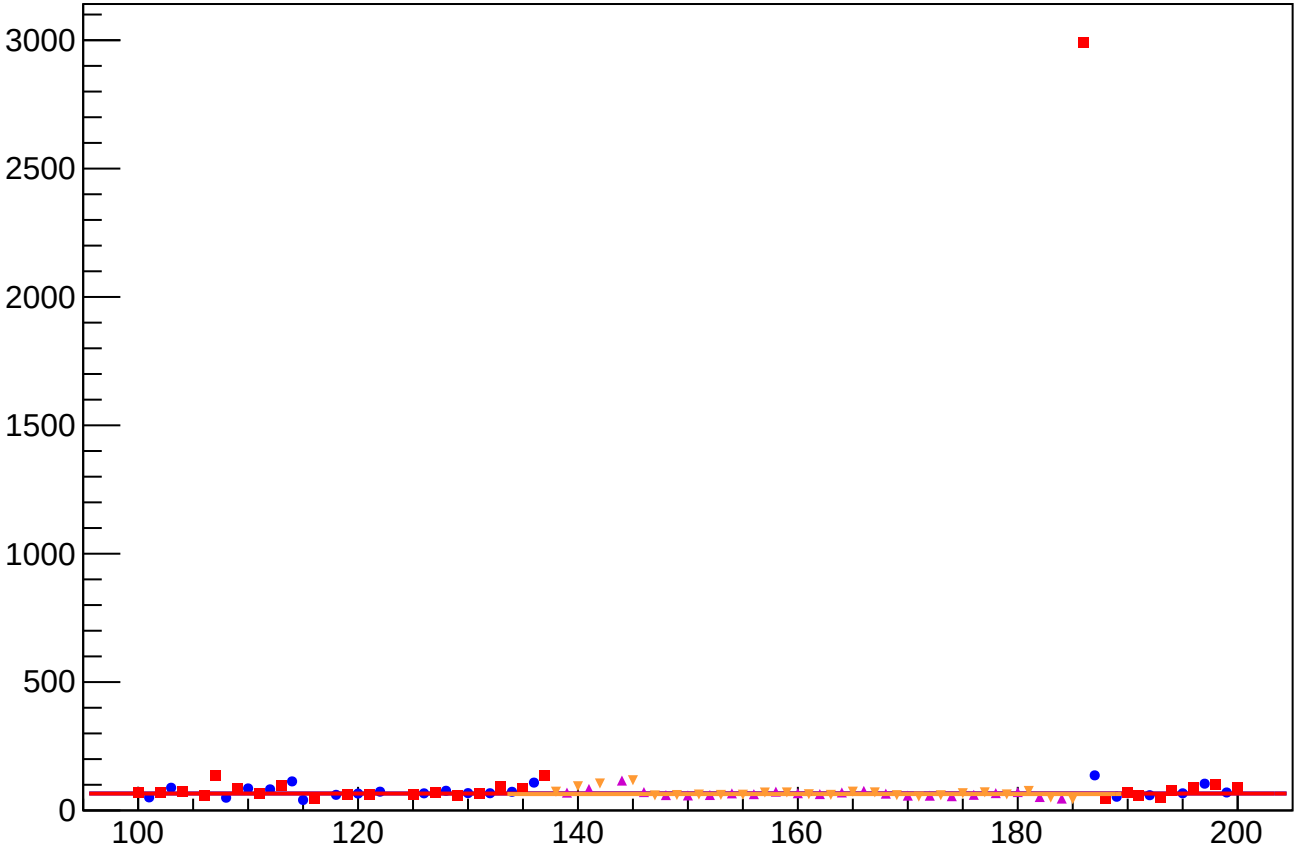
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.012 χ^2/NDF: 42.7/45

All: -0.012+/-0.009 χ^2/NDF: 98.2/95

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

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.227+/-0.015 χ^2/NDF: 1039829.0/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

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

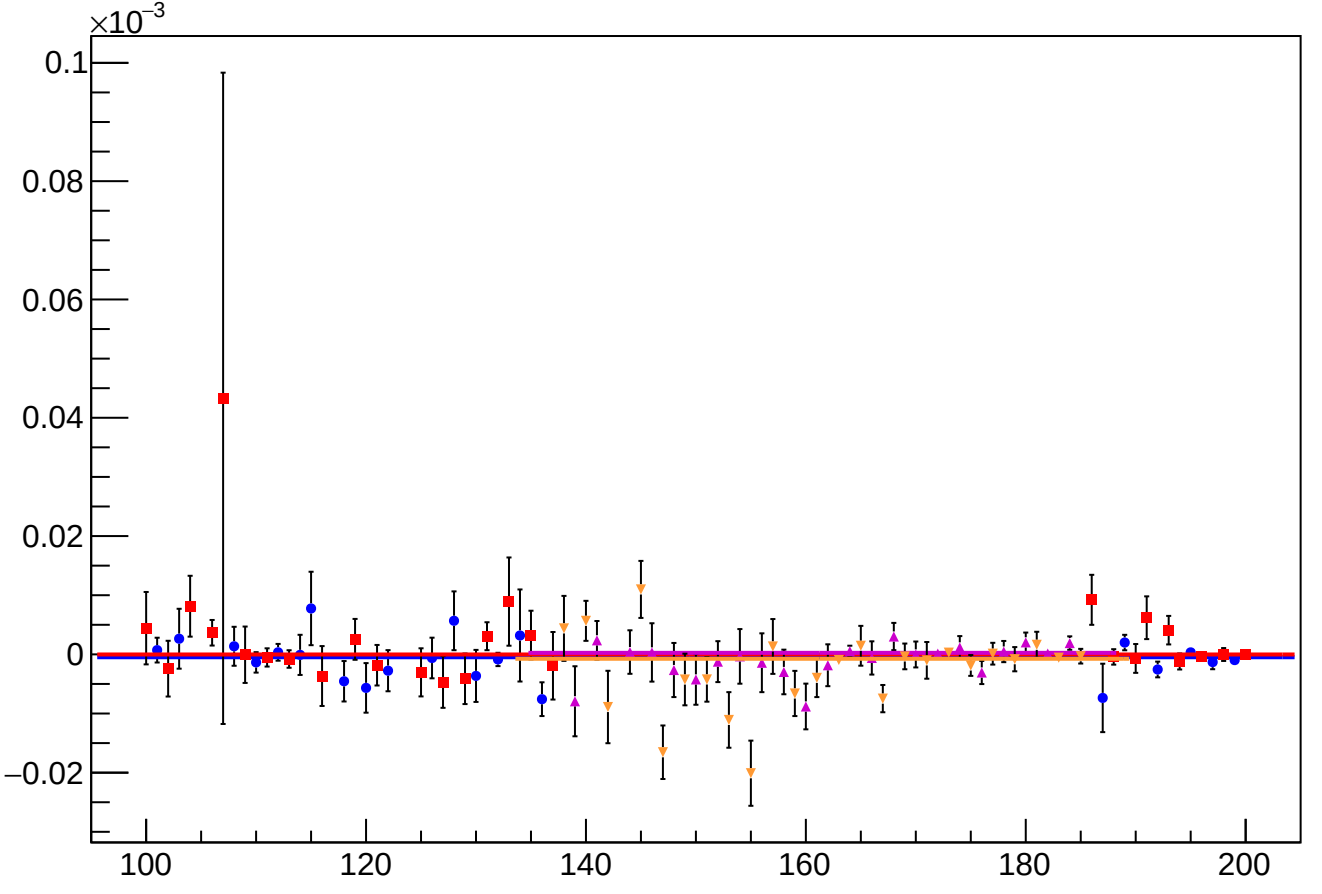
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.628+/-0.009 χ^2/NDF: 2136178.9/45

All: 64.667+/-0.006 χ^2/NDF: 5260312.8/95

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

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/26

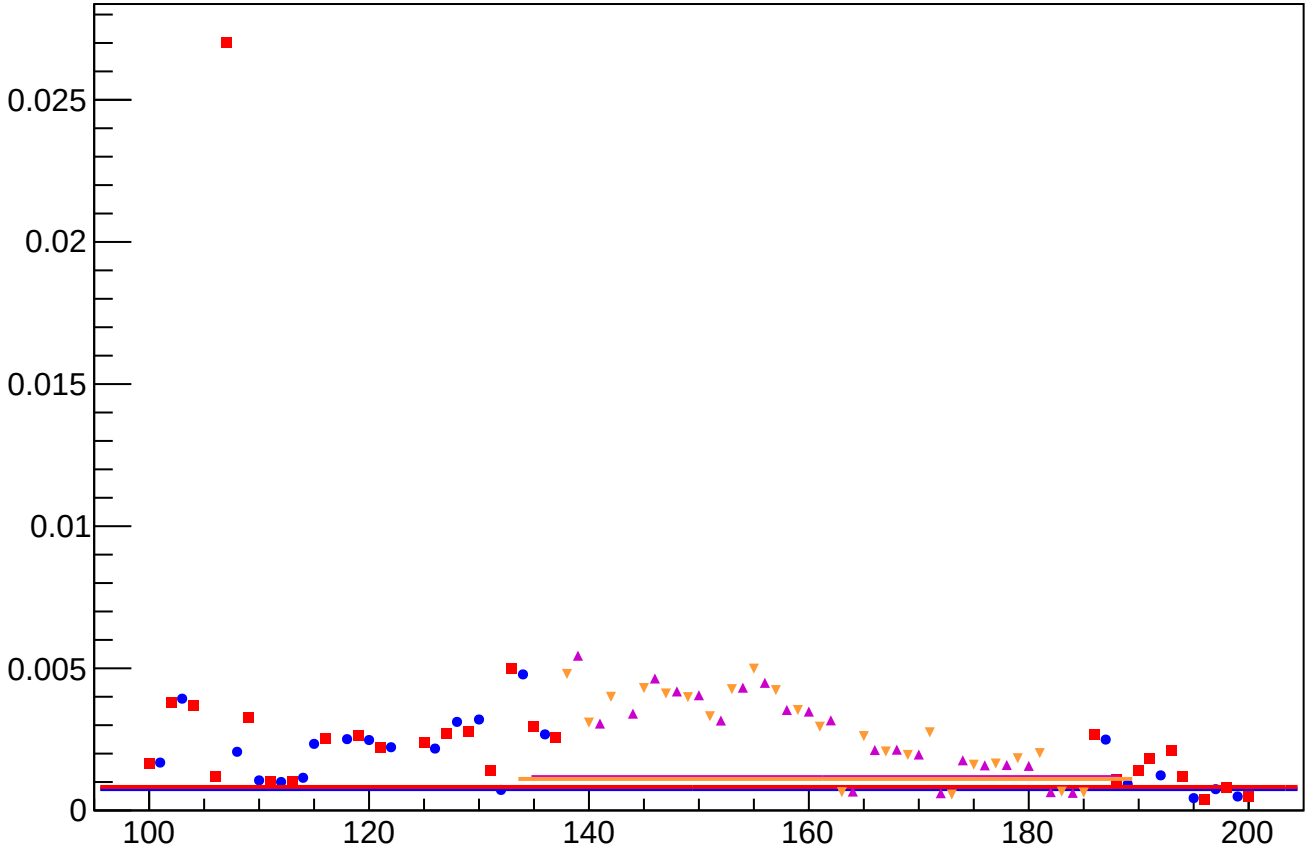
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/45

All: -0.000+/-0.000 χ^2/NDF: 138.0/95

- sign 0.000+/-0.000 χ^2/NDF: 46.3/49

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7635080.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9532714.2/26

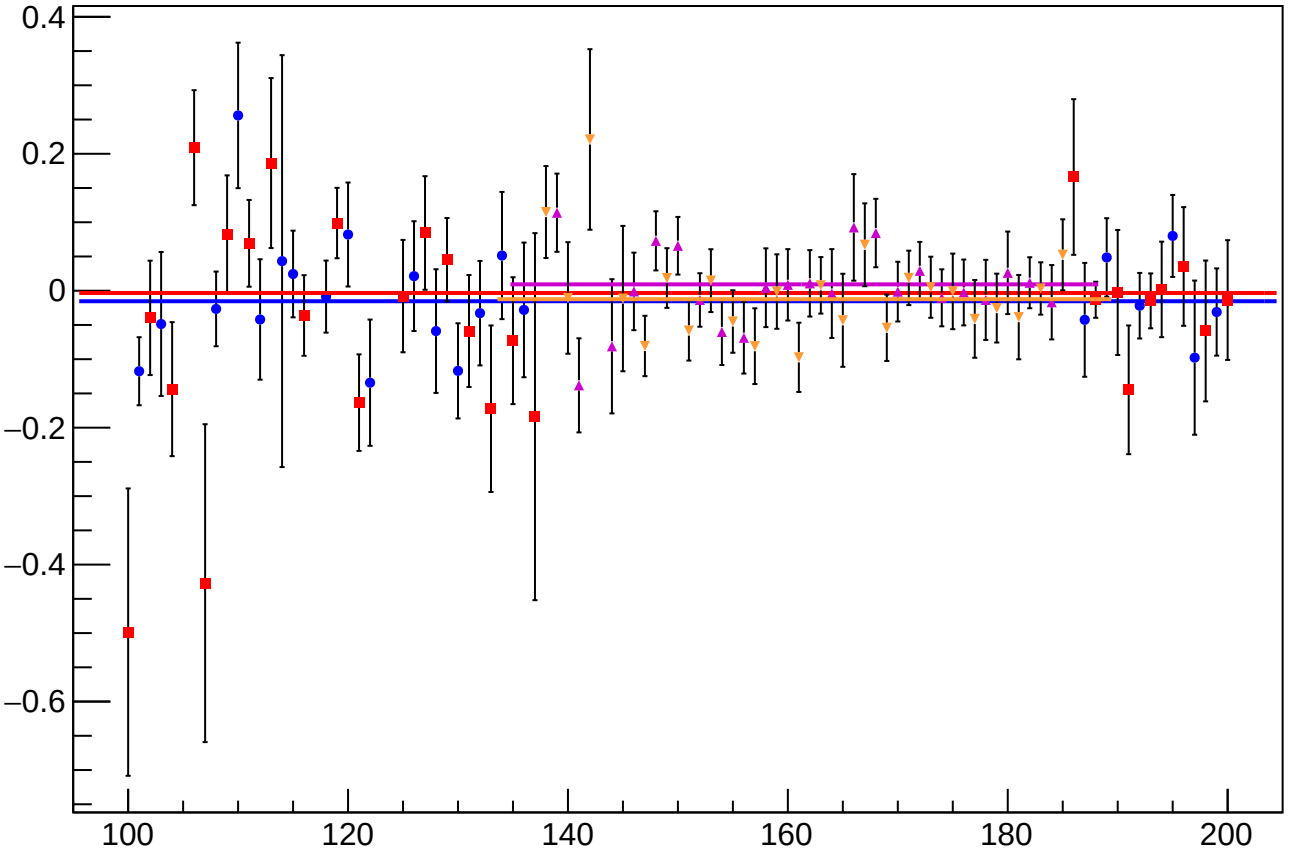
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 24079247.9/45

All: 0.001+/-0.000 χ^2/NDF: 49046466.3/95

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

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

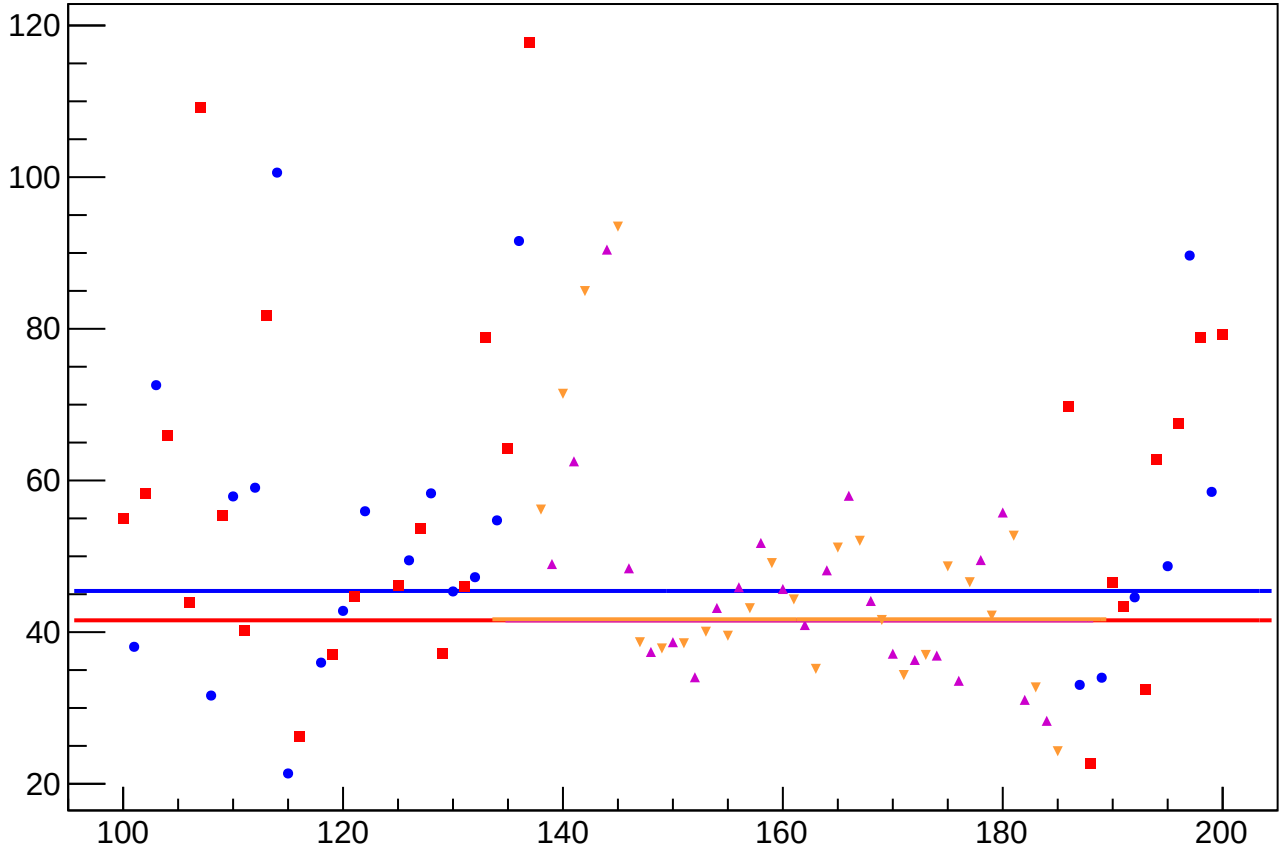
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/95

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

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

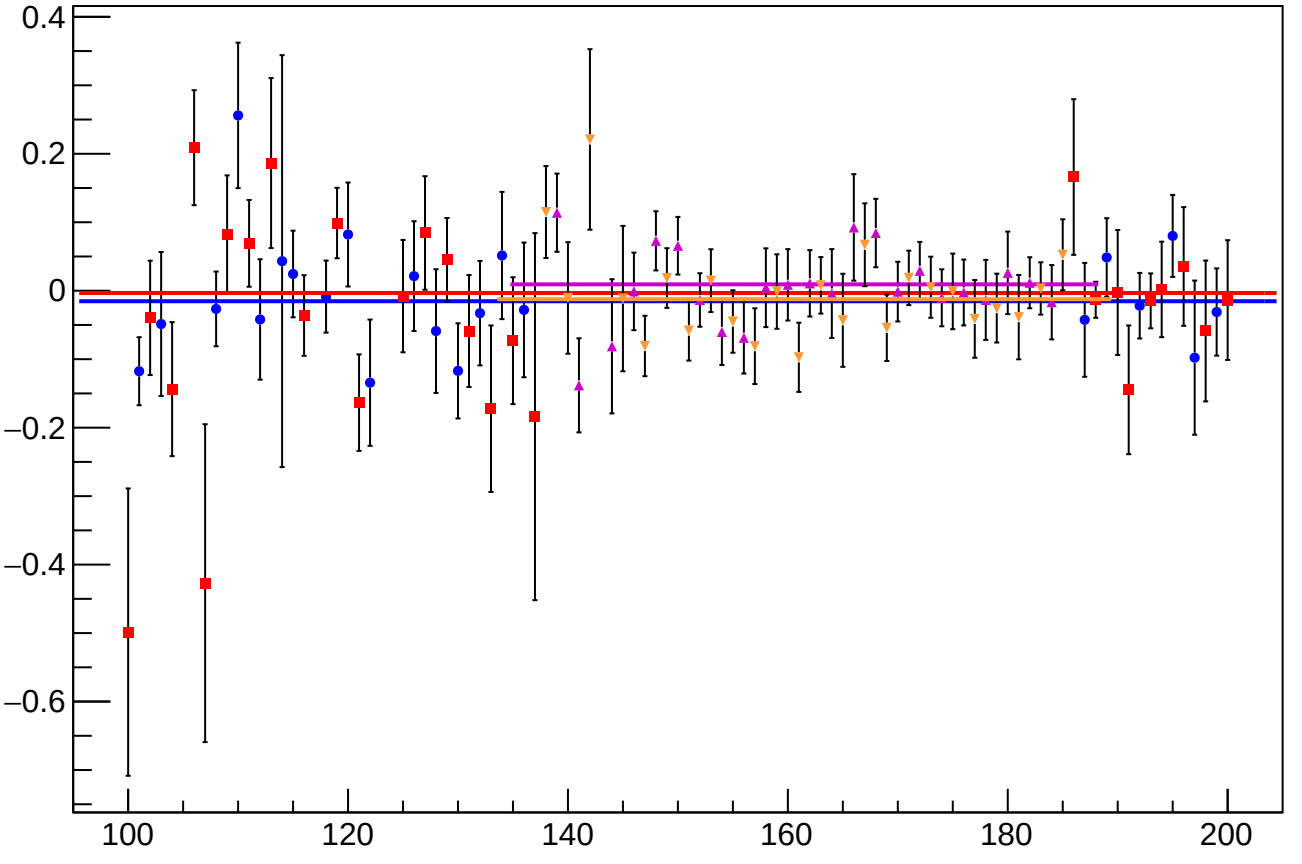
Right Out: 41.559+/-0.009 χ^2/NDF: 3593107.5/26

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

+ sign 42.900+/-0.006 χ^2/NDF: 3764462.5/45

All: 42.196+/-0.004 χ^2/NDF: 8995948.9/95

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



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

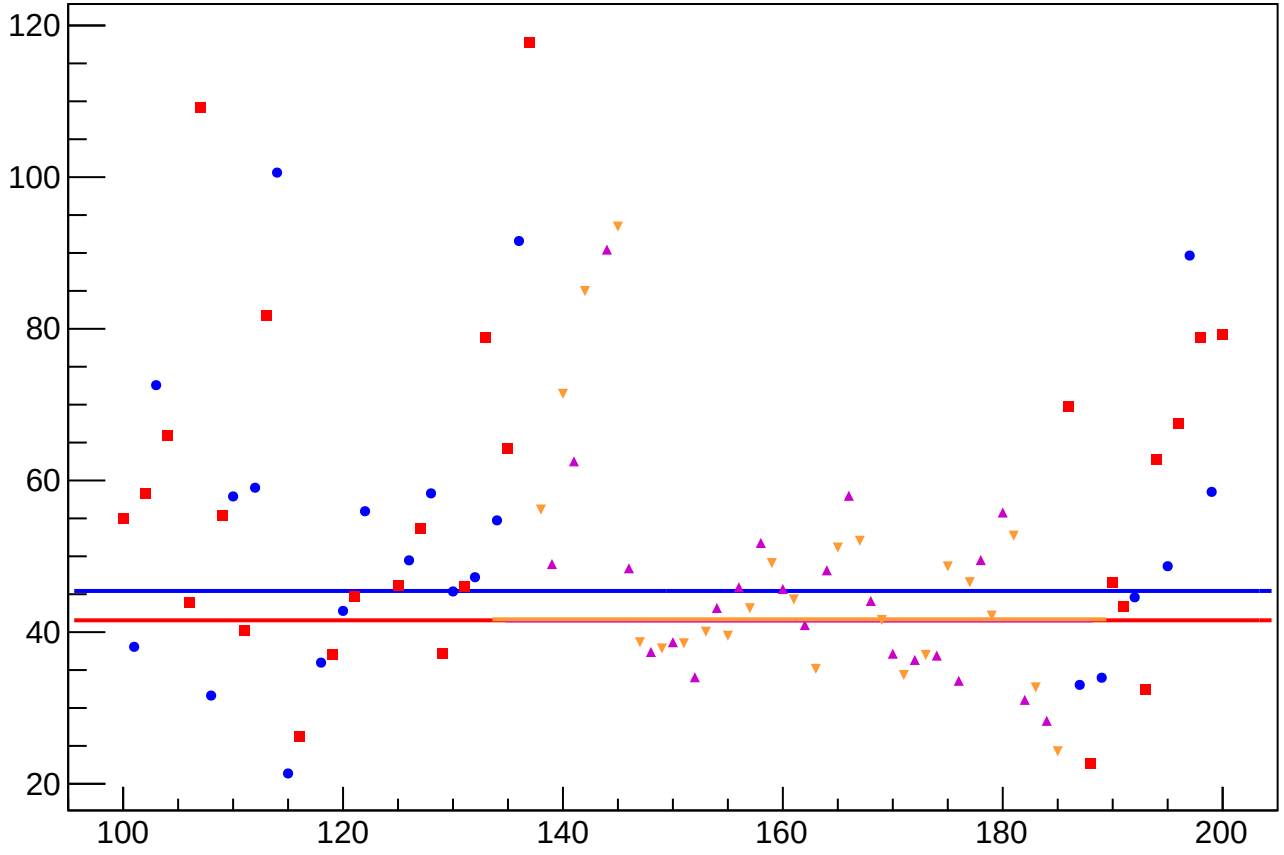
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/95

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

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

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

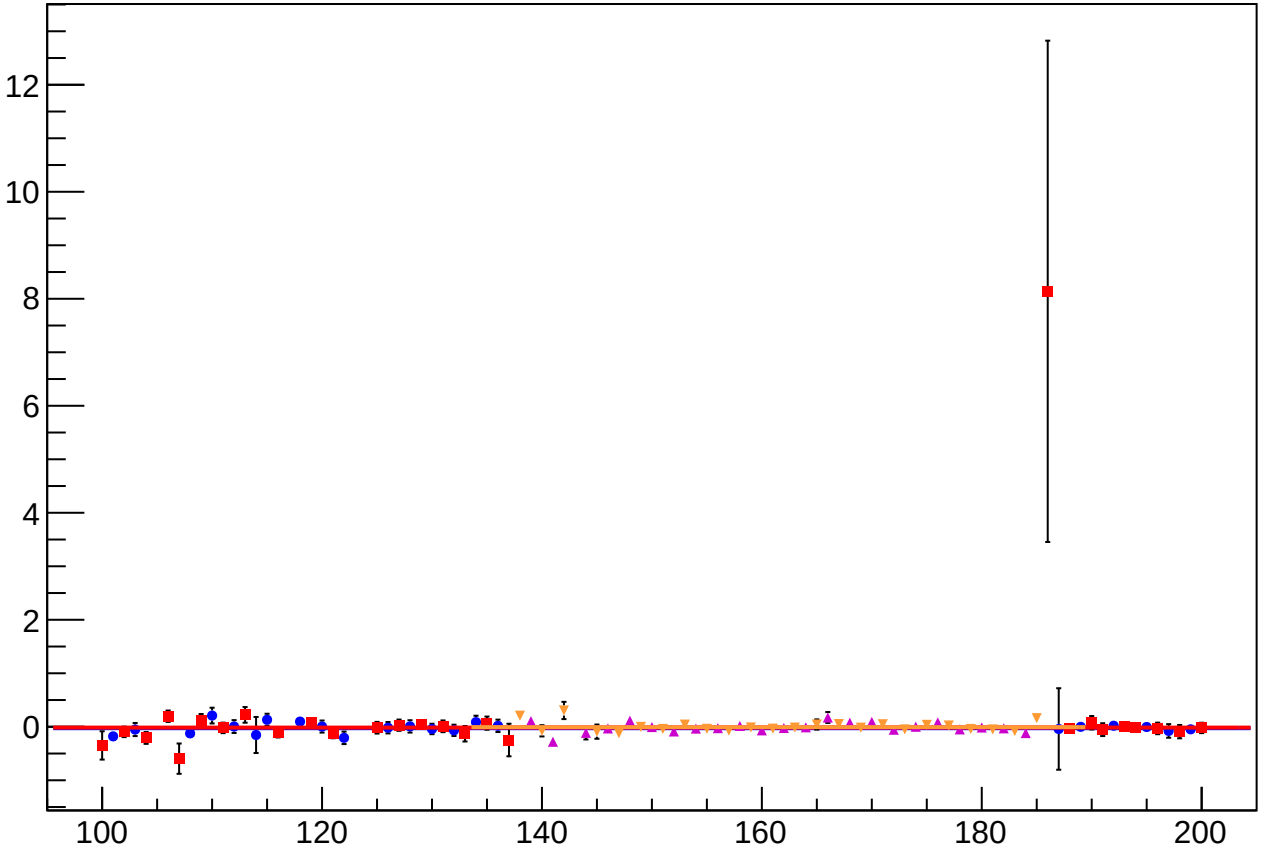
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.900+/-0.006 χ^2/NDF: 3764462.5/45

All: 42.196+/-0.004 χ^2/NDF: 8995948.9/95

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

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/26

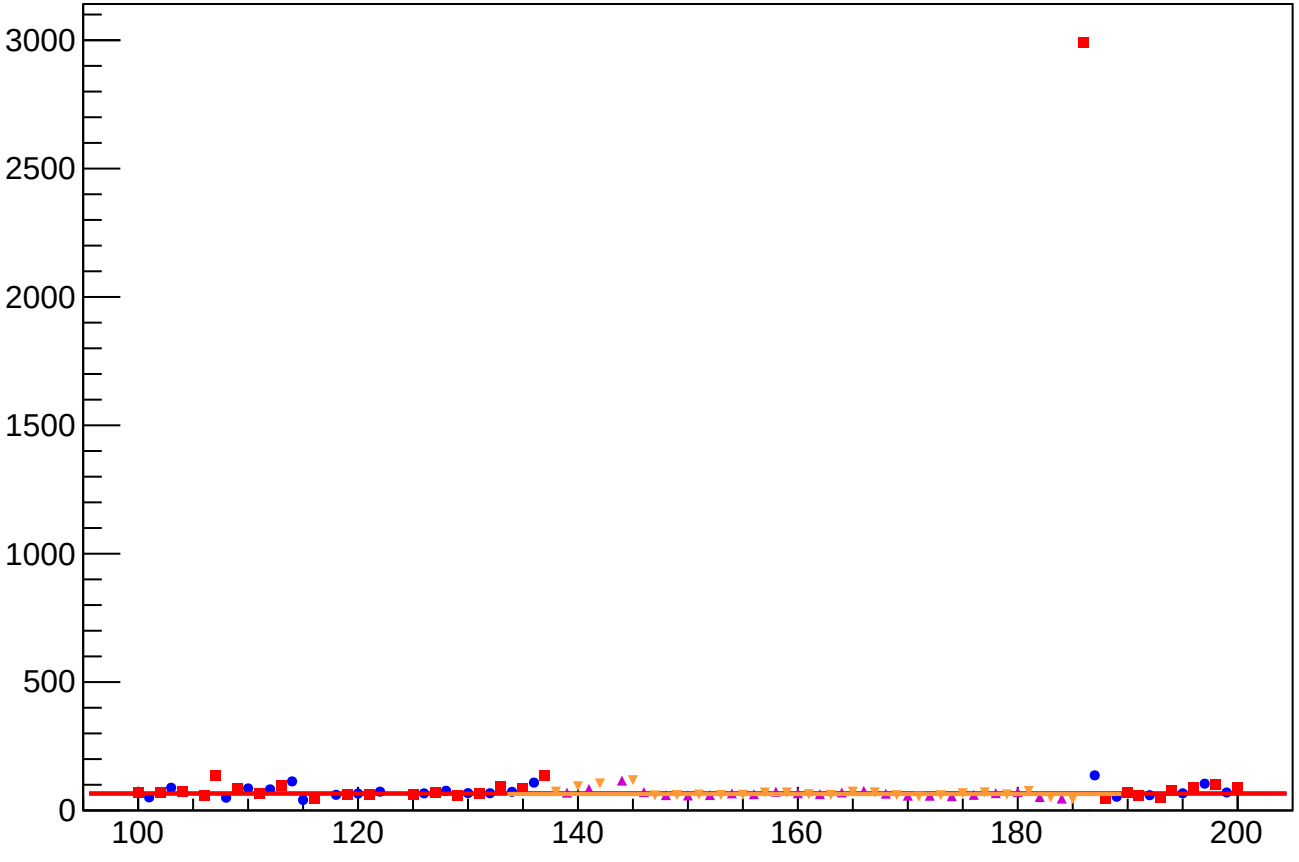
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.012 χ^2/NDF: 42.7/45

All: -0.012+/-0.009 χ^2/NDF: 98.2/95

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

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.227+/-0.015 χ^2/NDF: 1039842.1/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

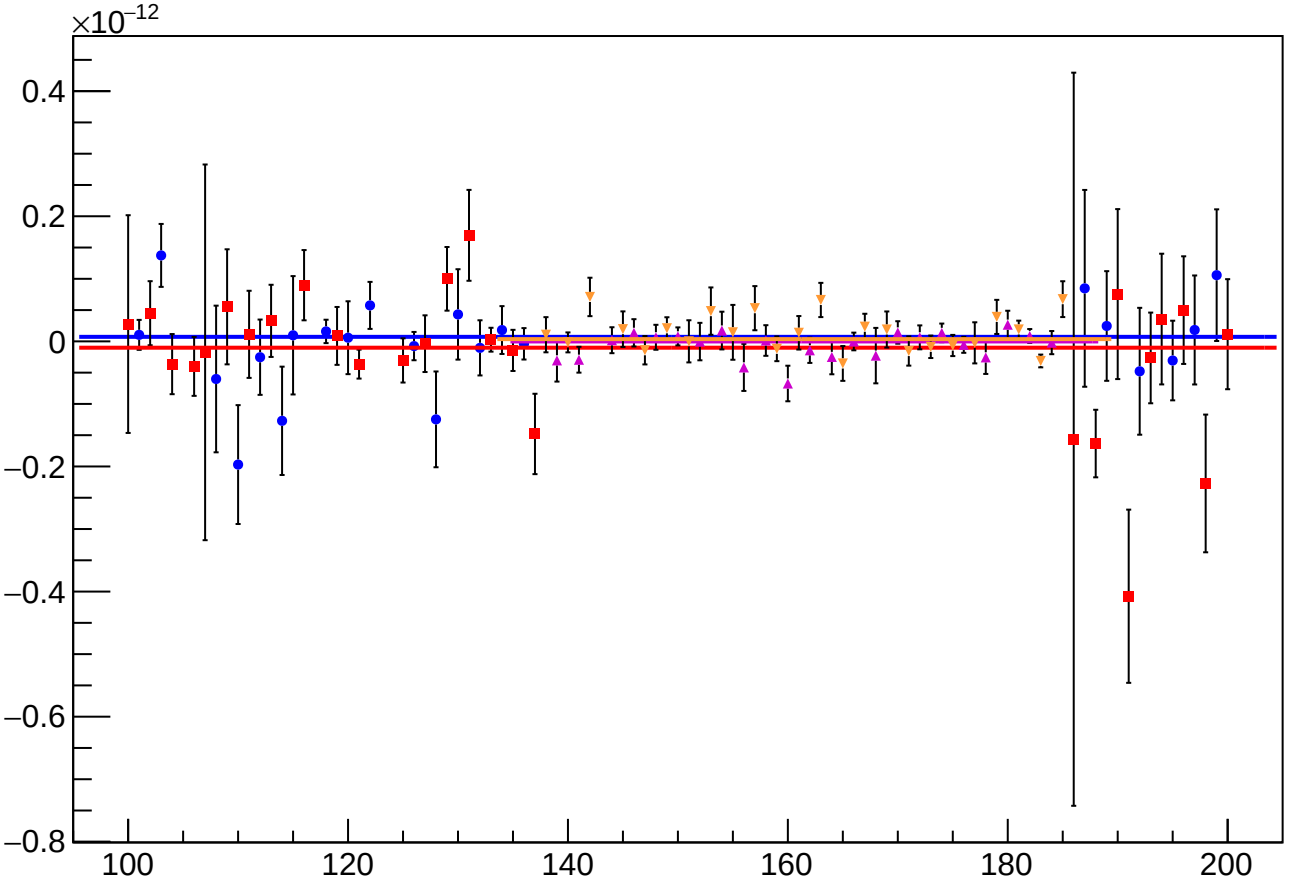
Right Out: 65.784+/-0.014 χ^2/NDF: 2275543.0/26

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

+ sign 64.628+/-0.009 χ^2/NDF: 2136173.8/45

All: 64.667+/-0.006 χ^2/NDF: 5260281.0/95

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



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/26

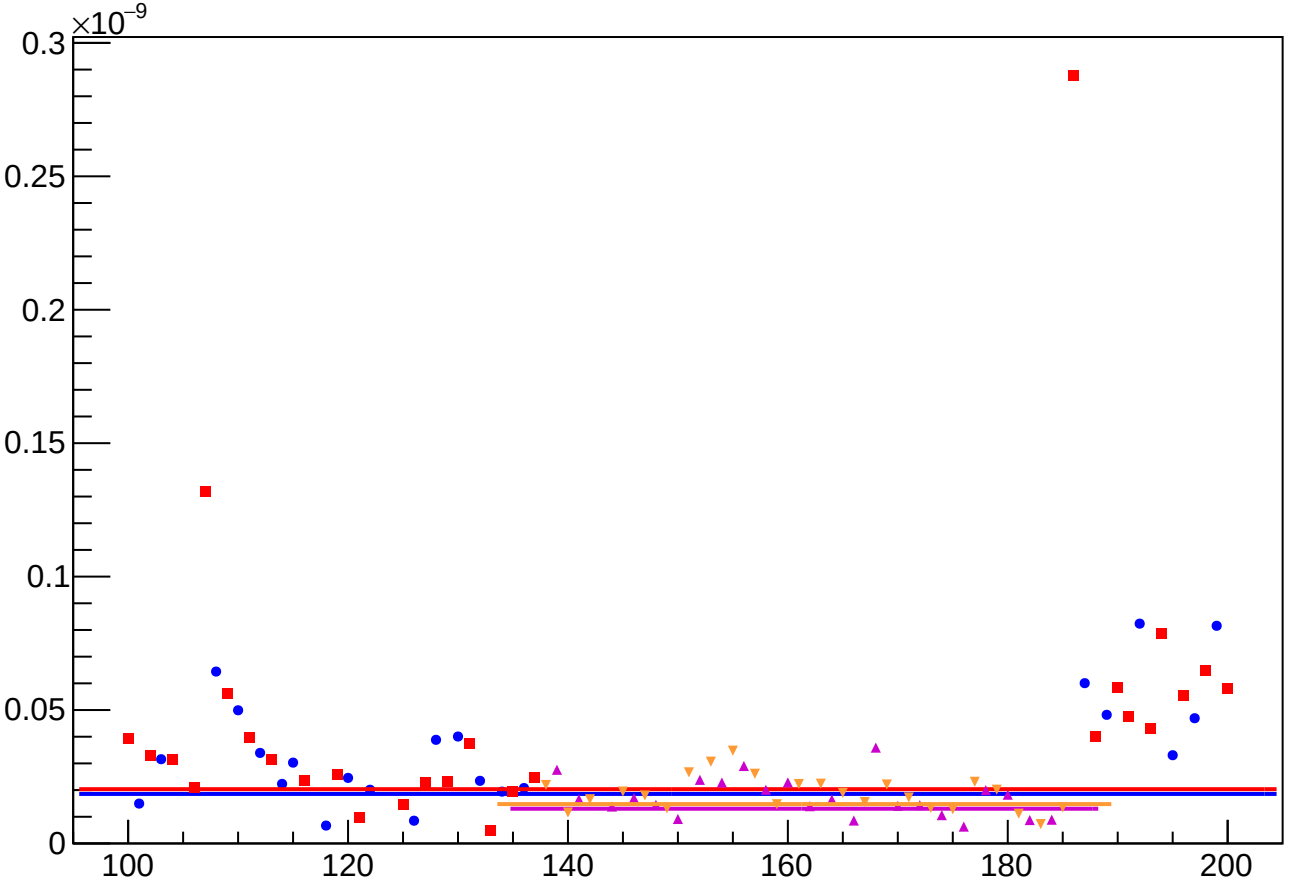
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/45

All: 0.000+/-0.000 χ^2/NDF: 127.6/95

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

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4642694.5/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5768302.3/26

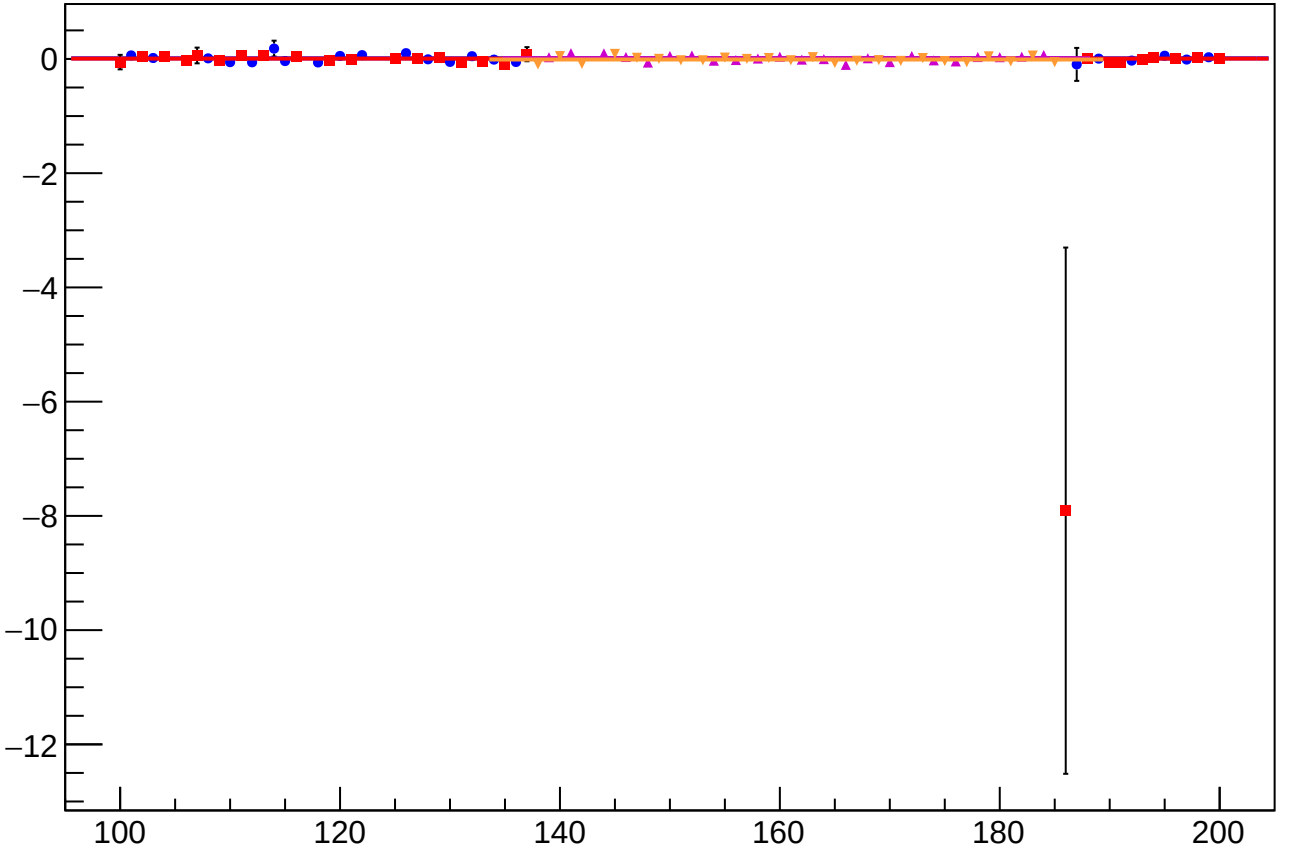
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8467207.5/45

All: 0.000+/-0.000 χ^2/NDF: 19314672.1/95

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

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.006+/-0.010 χ^2/NDF: 16.5/26

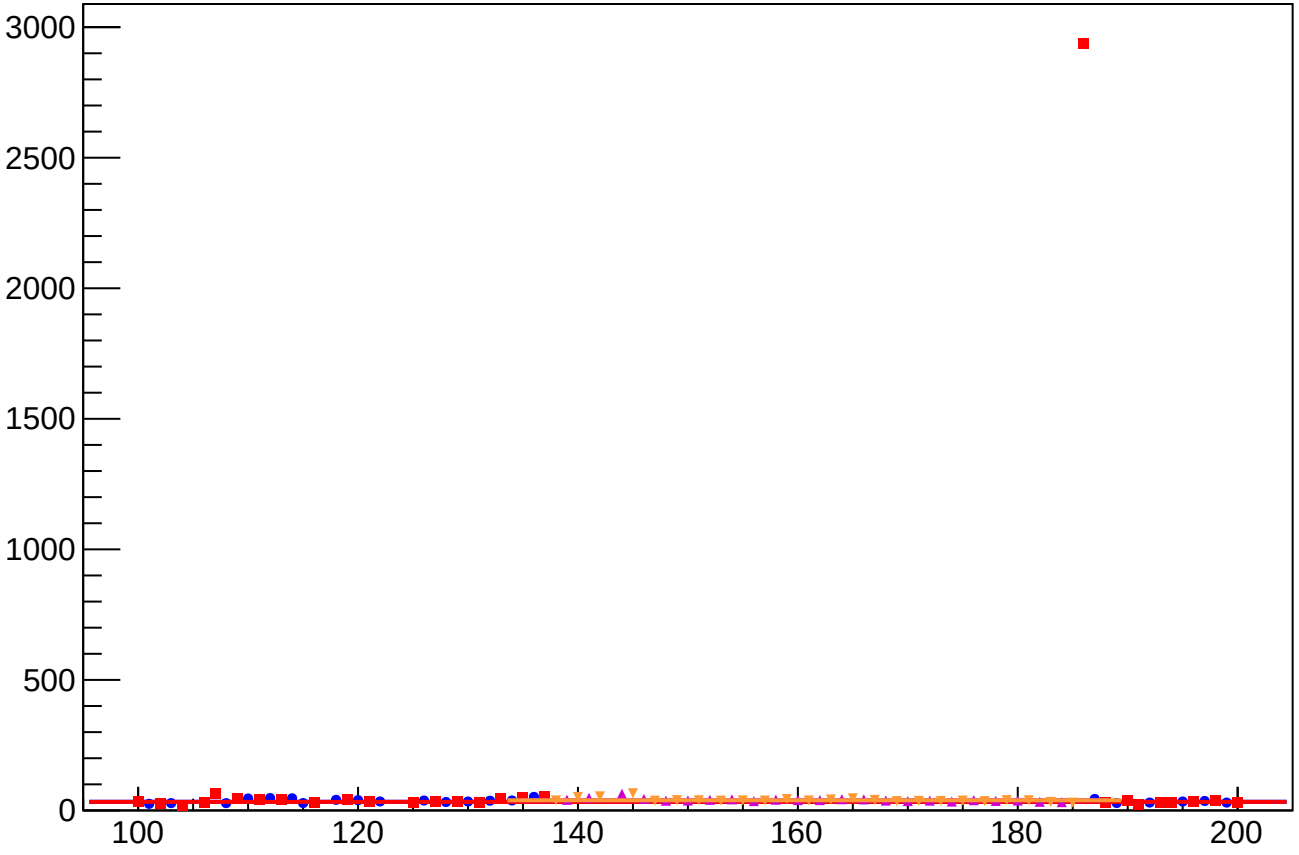
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.0/45

All: 0.004+/-0.005 χ^2/NDF: 80.7/95

- sign 0.009+/-0.007 χ^2/NDF: 39.9/49

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

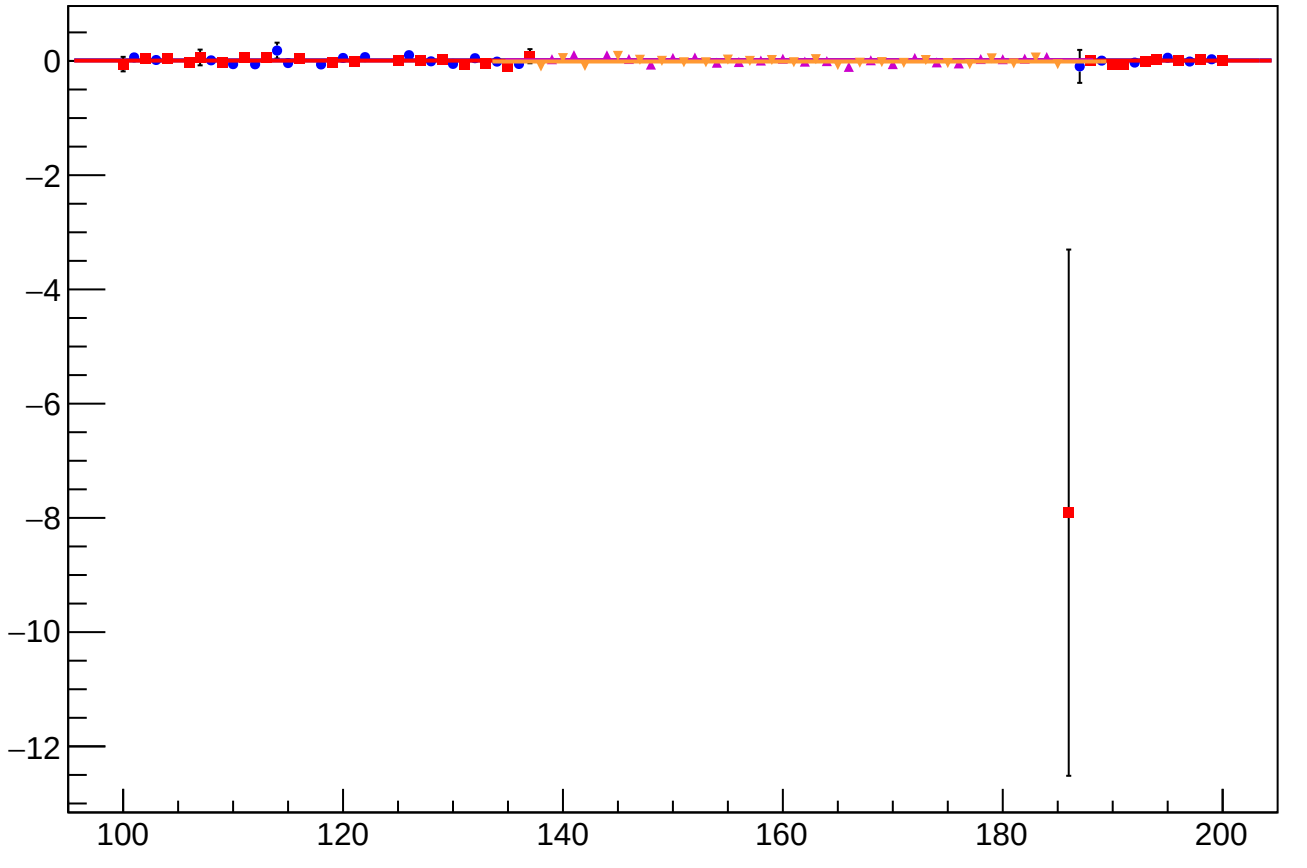
Right Out: 32.861+/-0.007 χ^2/NDF: 1843580.5/26

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

+ sign 36.410+/-0.005 χ^2/NDF: 1670264.6/45

All: 36.233+/-0.003 χ^2/NDF: 4468487.9/95

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



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.006+/-0.010 χ^2/NDF: 16.5/26

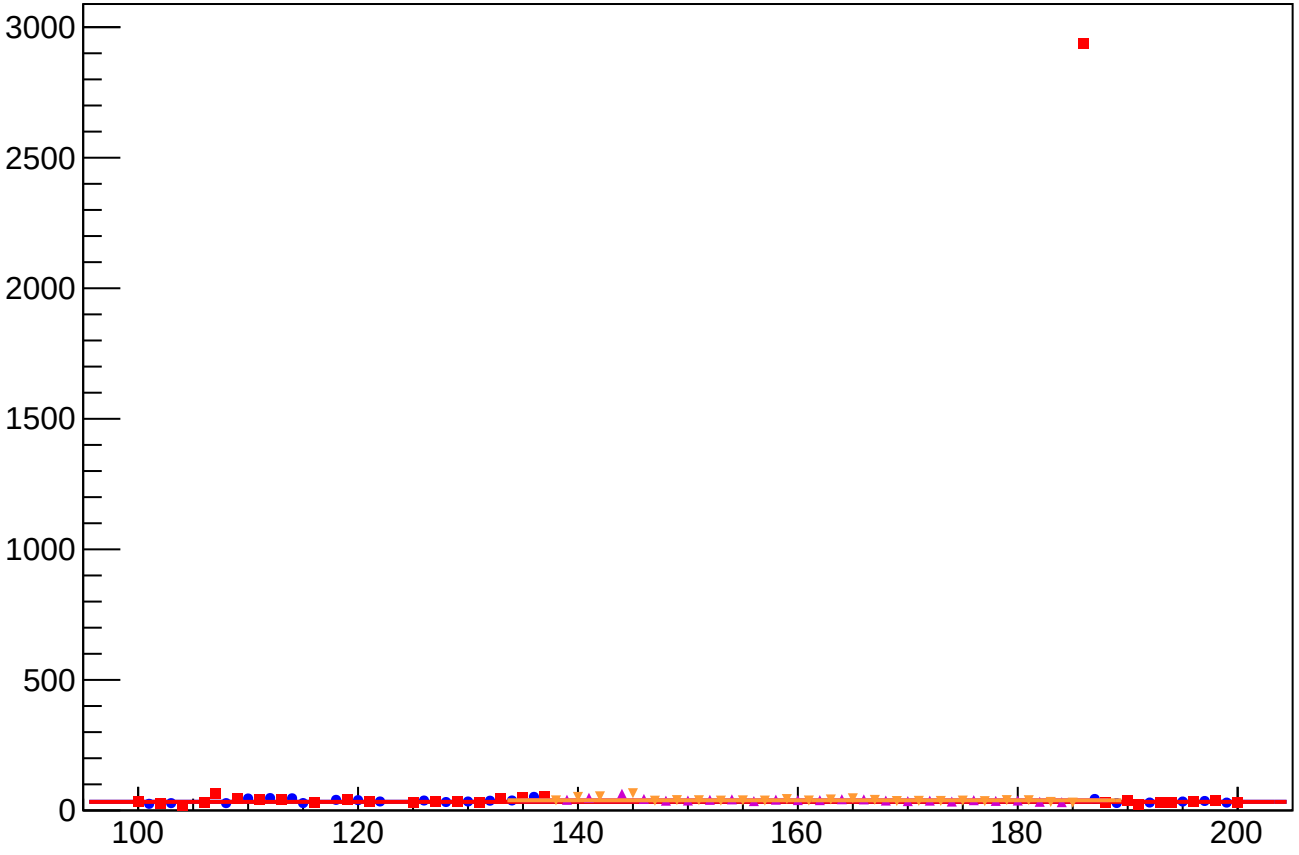
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.0/45

All: 0.004+/-0.005 χ^2/NDF: 80.7/95

- sign 0.009+/-0.007 χ^2/NDF: 39.9/49

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

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

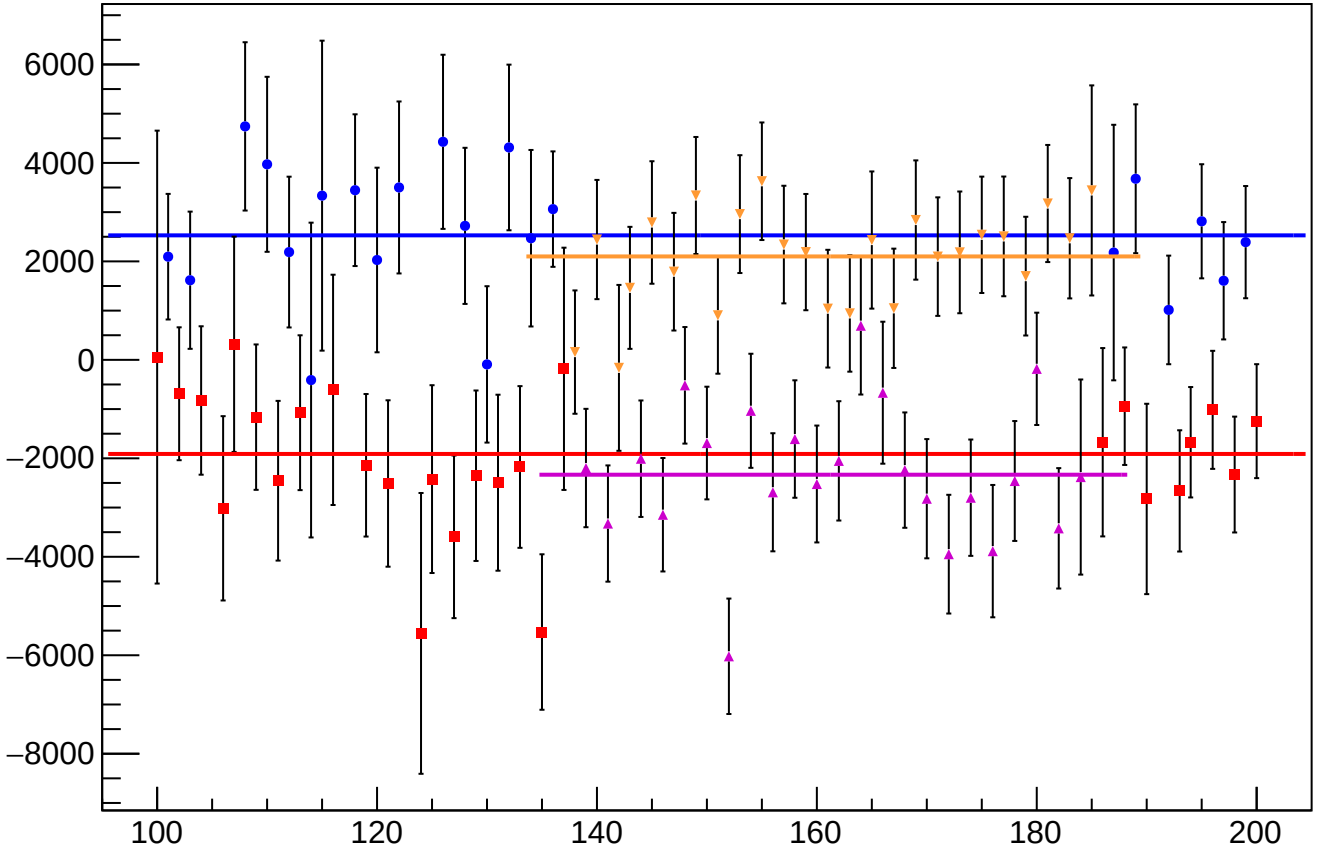
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.410+/-0.005 χ^2/NDF: 1670264.6/45

All: 36.233+/-0.003 χ^2/NDF: 4468487.9/95

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

reg_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

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

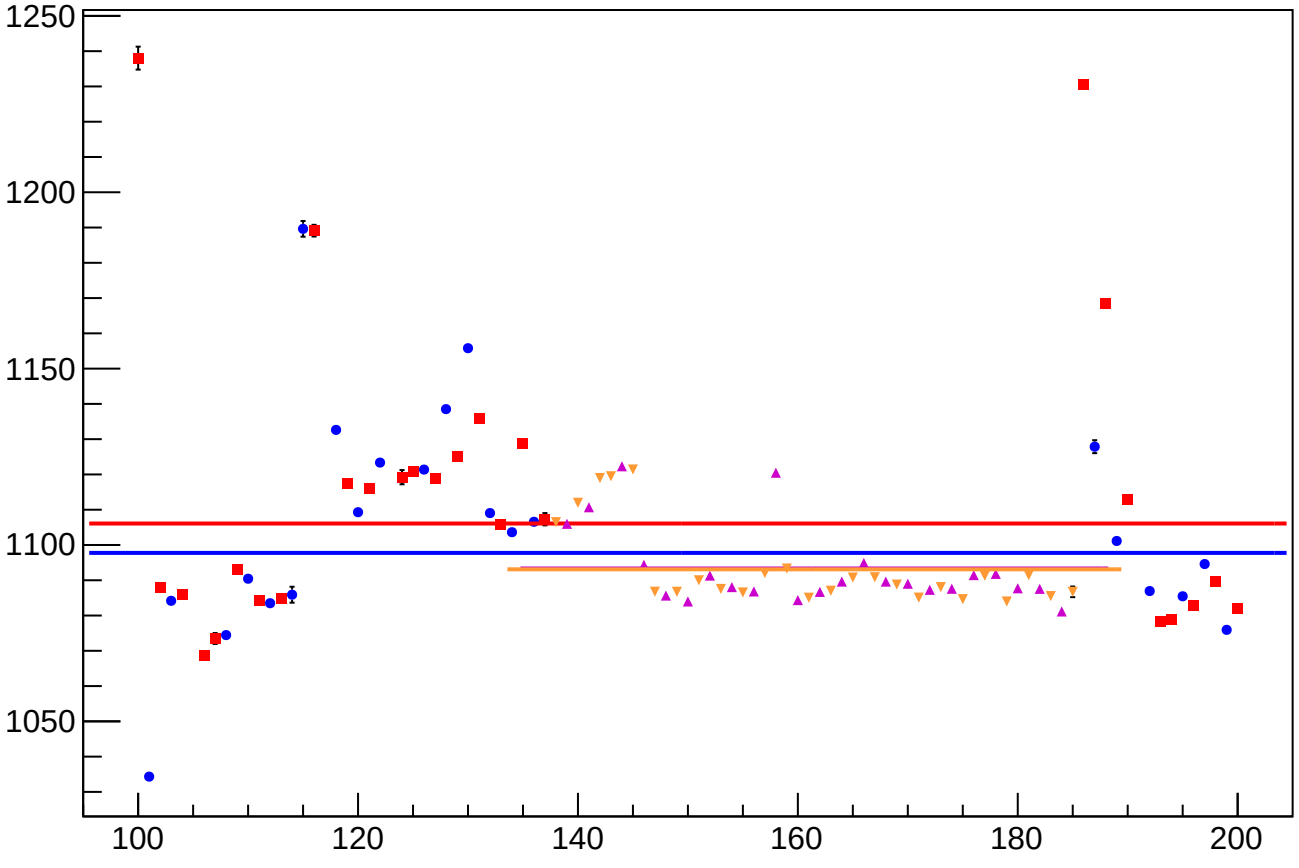
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 28.362+/-138.488 χ^2/NDF: 327.8/96

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

reg_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

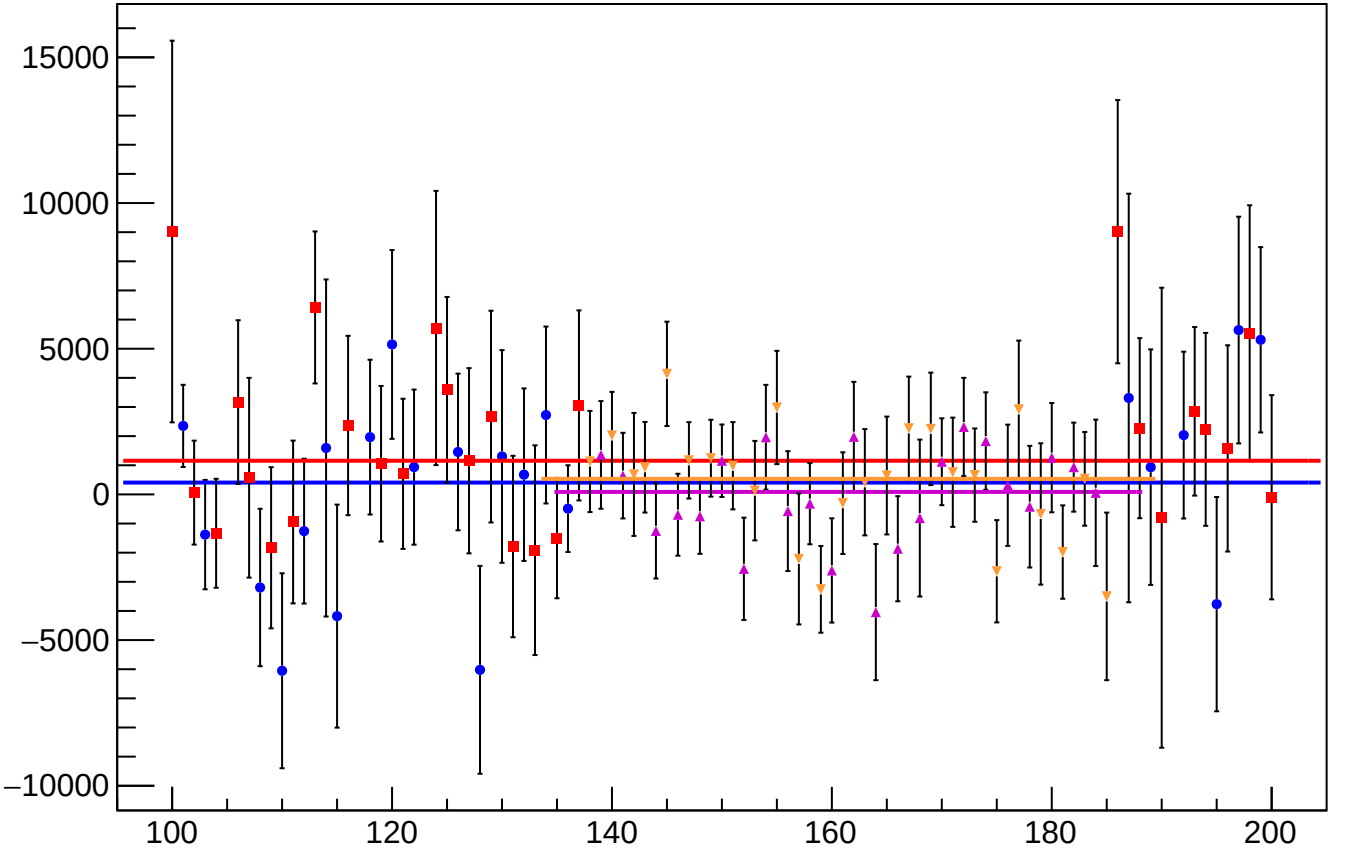
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96

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

asym_usr_reg_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1154.771+/-571.823 χ^2/NDF: 20.2/26

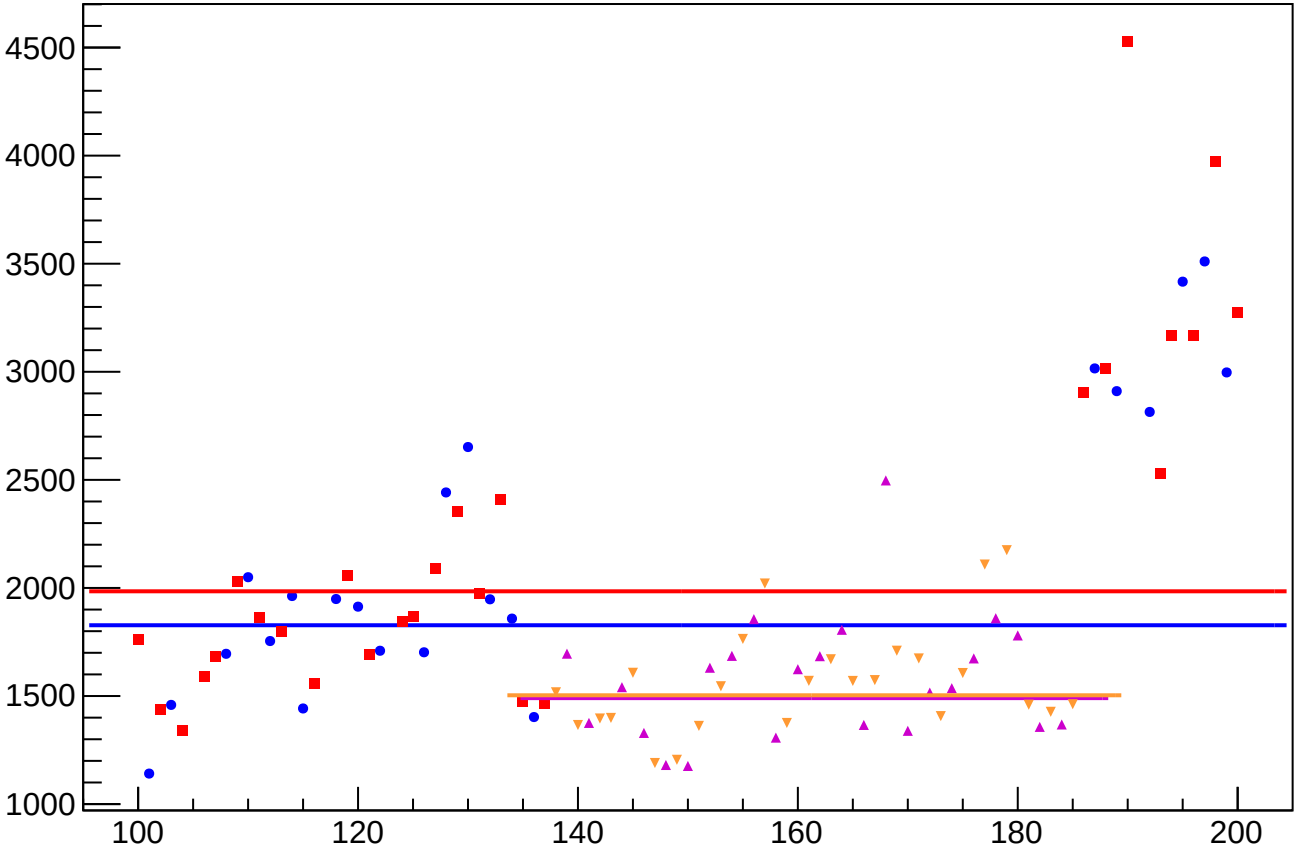
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 441.000+/-211.310 χ^2/NDF: 90.5/96

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

asym_usr_reg_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

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

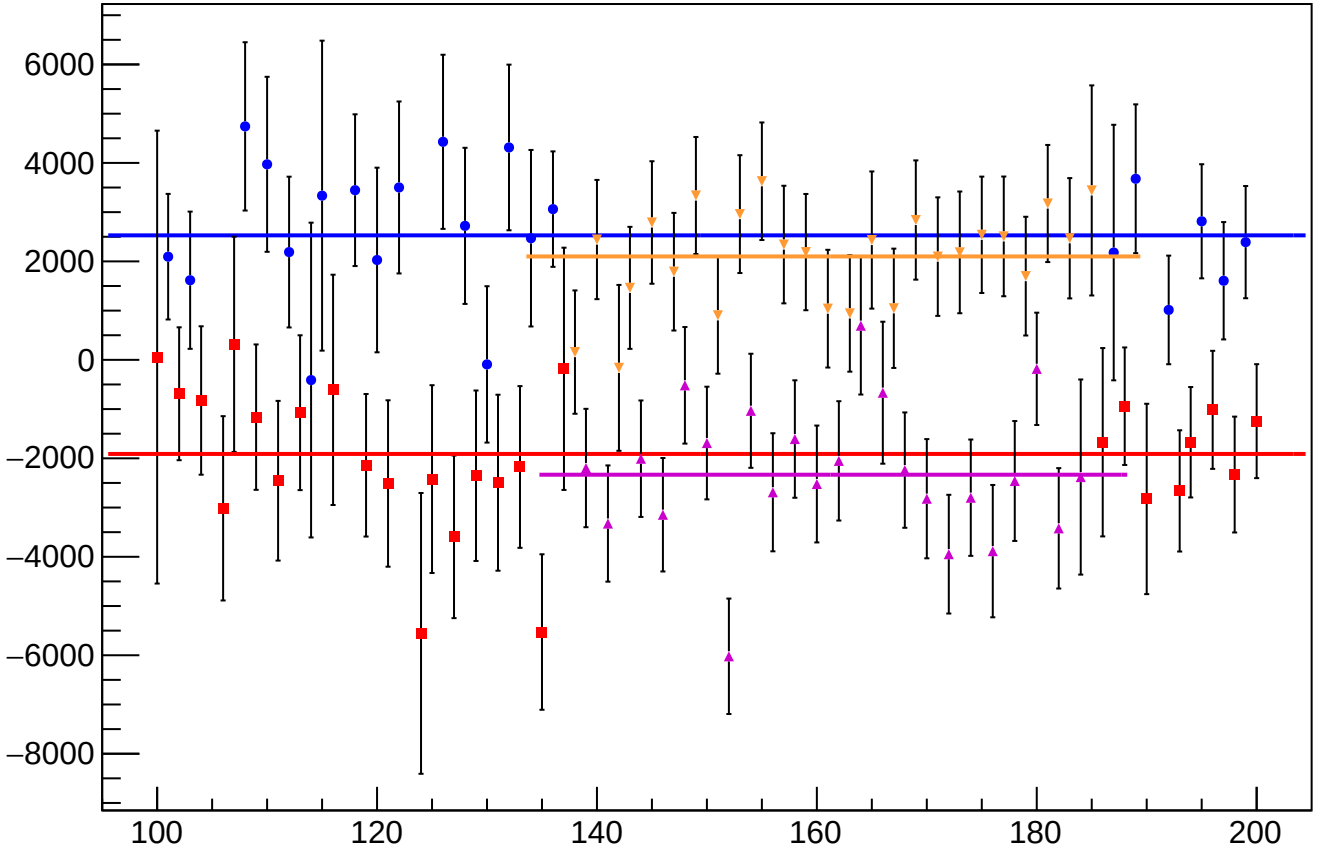
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96

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

cor_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

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

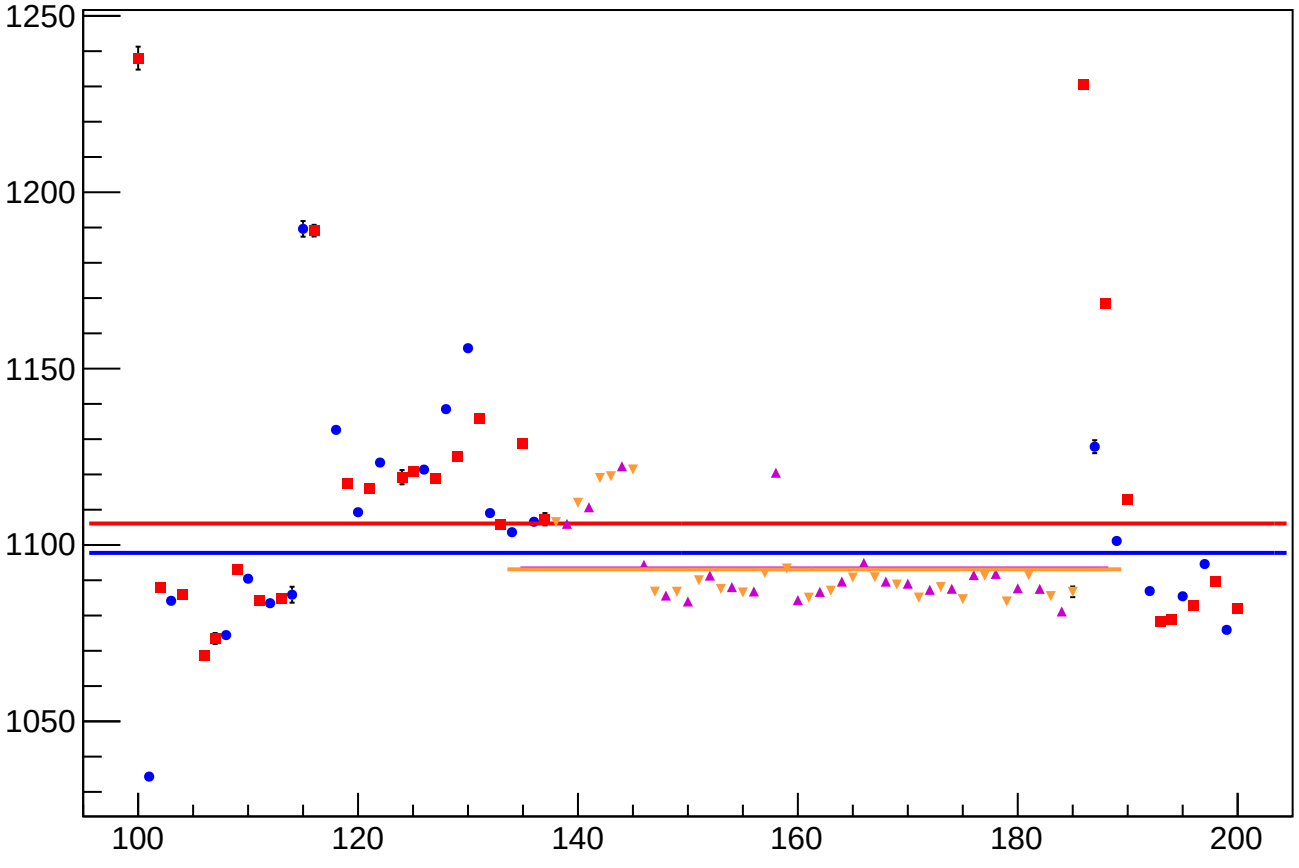
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 28.362+/-138.488 χ^2/NDF: 327.8/96

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

cor_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

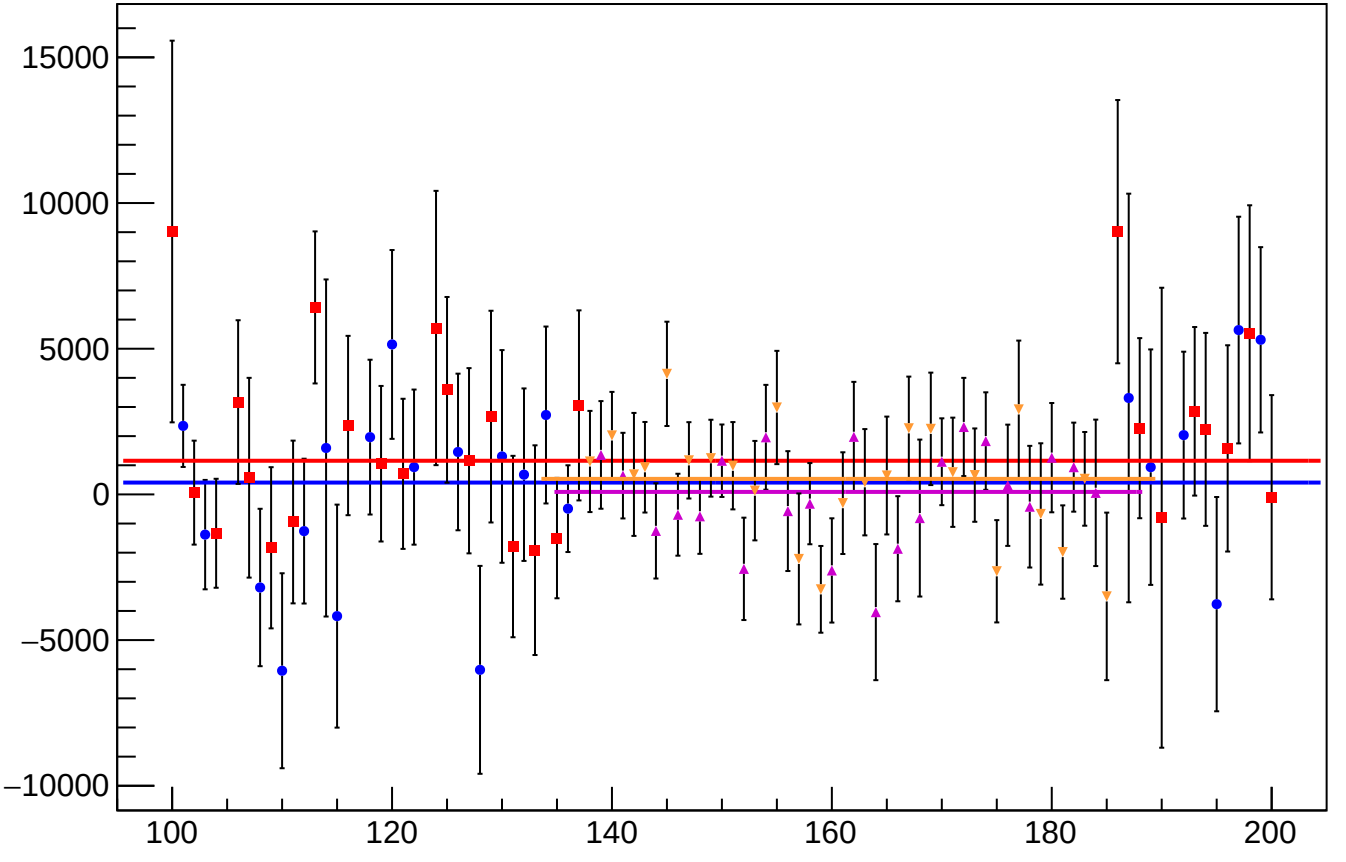
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96

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

asym_usr_cor_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1154.771+/-571.823 χ^2/NDF: 20.2/26

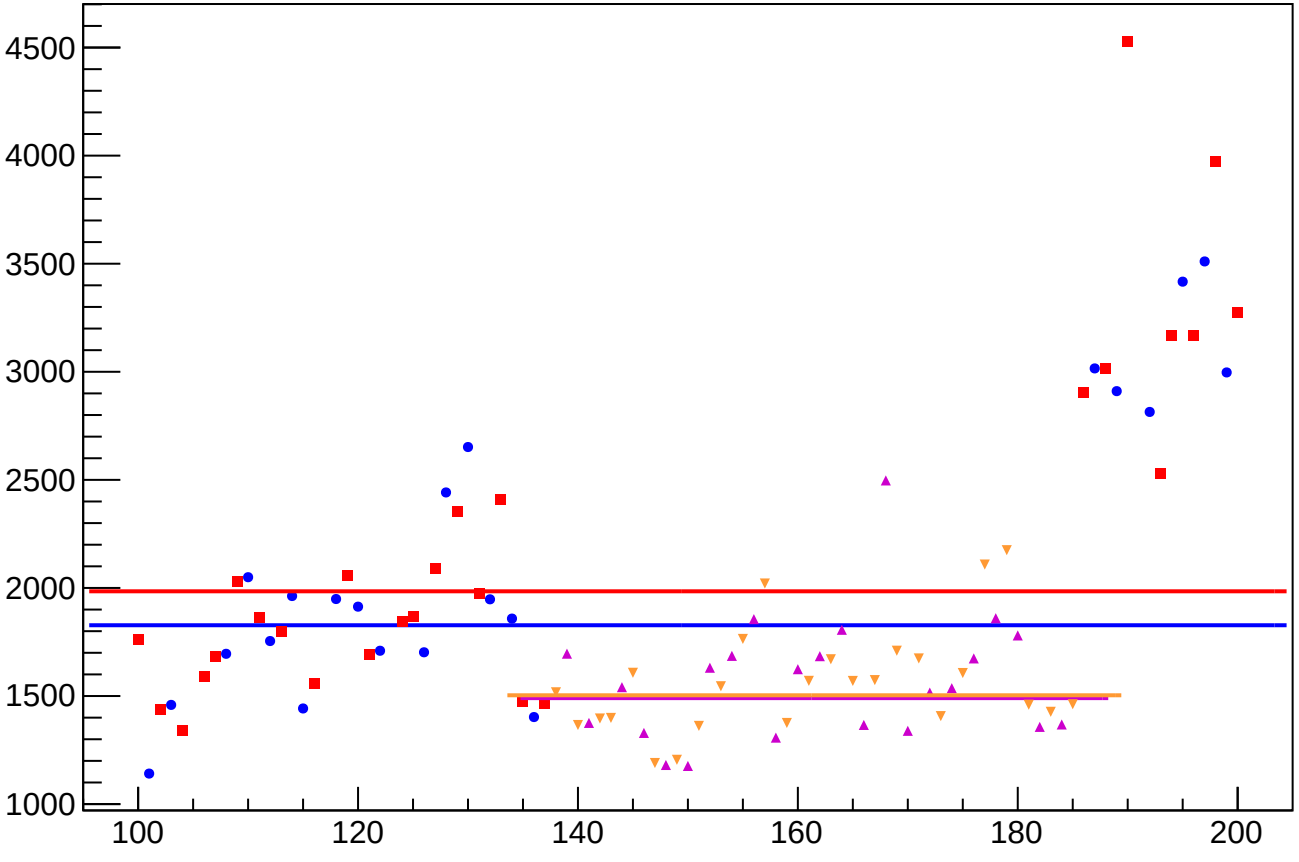
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 441.000+/-211.310 χ^2/NDF: 90.5/96

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

asym_usr_cor_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

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

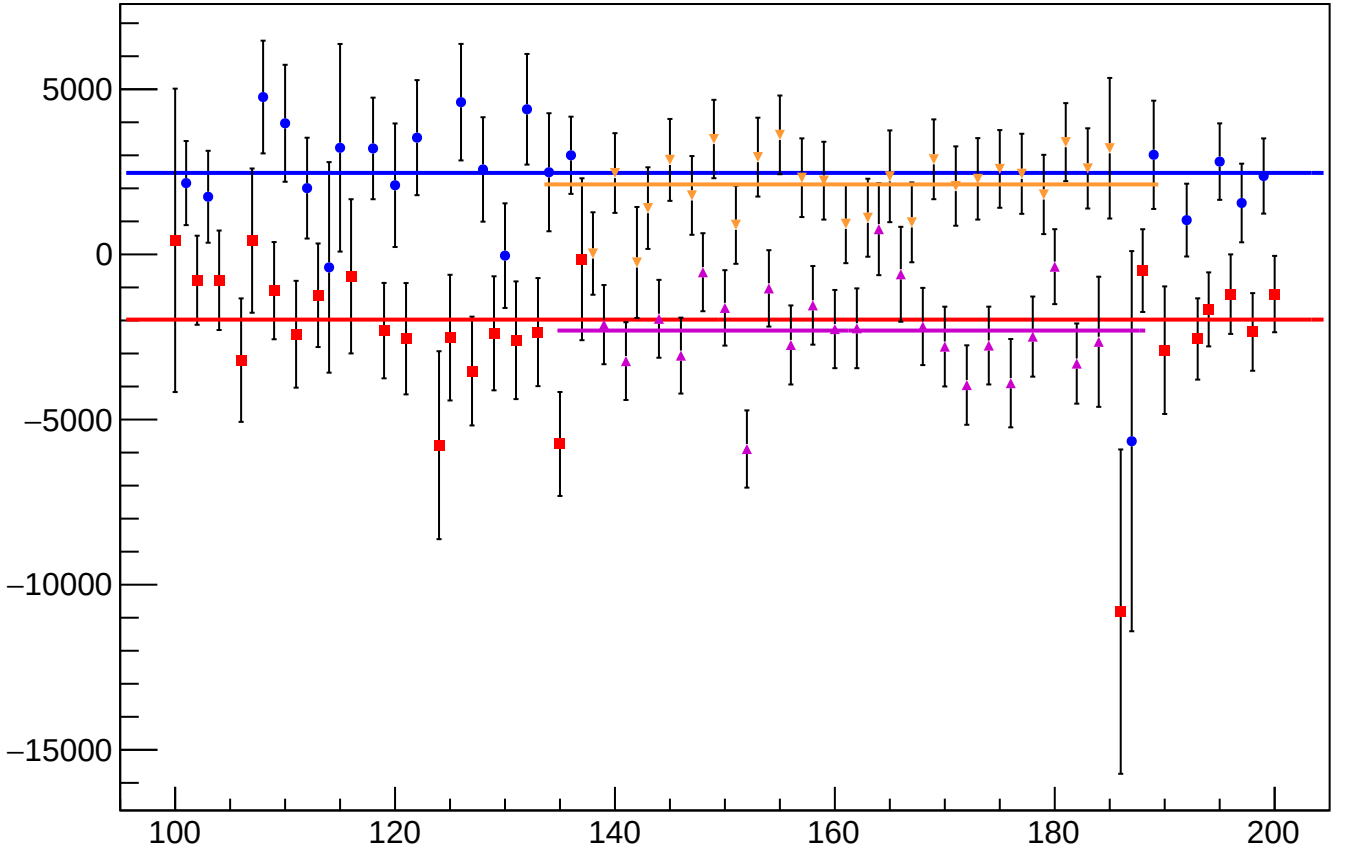
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96

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

overload_cor_asym_usr_mean vs Slug



Right In: 2467.705+/-325.572 χ^2/NDF: 14.4/21

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

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

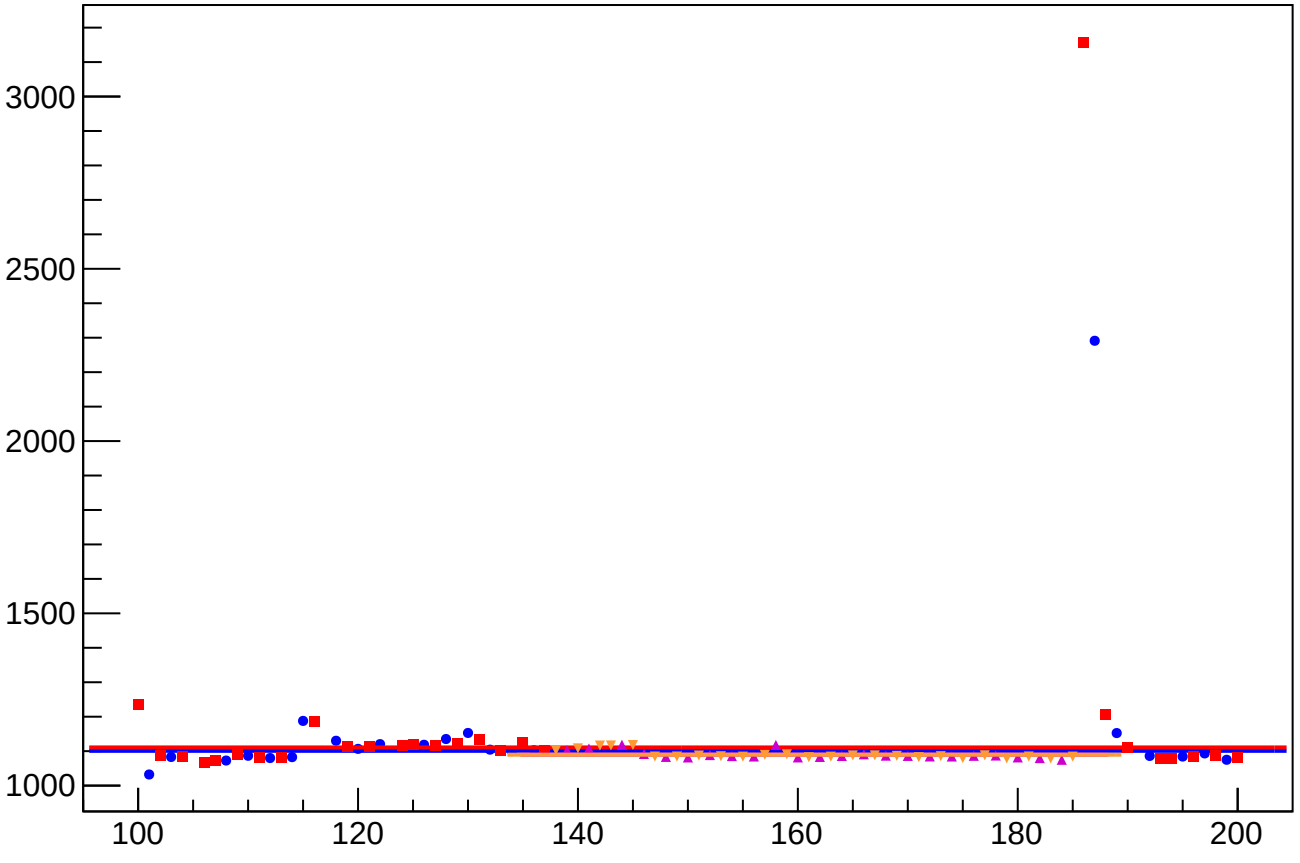
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2247.358+/-197.053 χ^2/NDF: 30.3/46

All: 21.223+/-138.778 χ^2/NDF: 332.5/96

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

overload_cor_asym_usr_rms vs Slug



Right In: 1100.954+/-0.230 χ^2/NDF: 102507.0/21

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

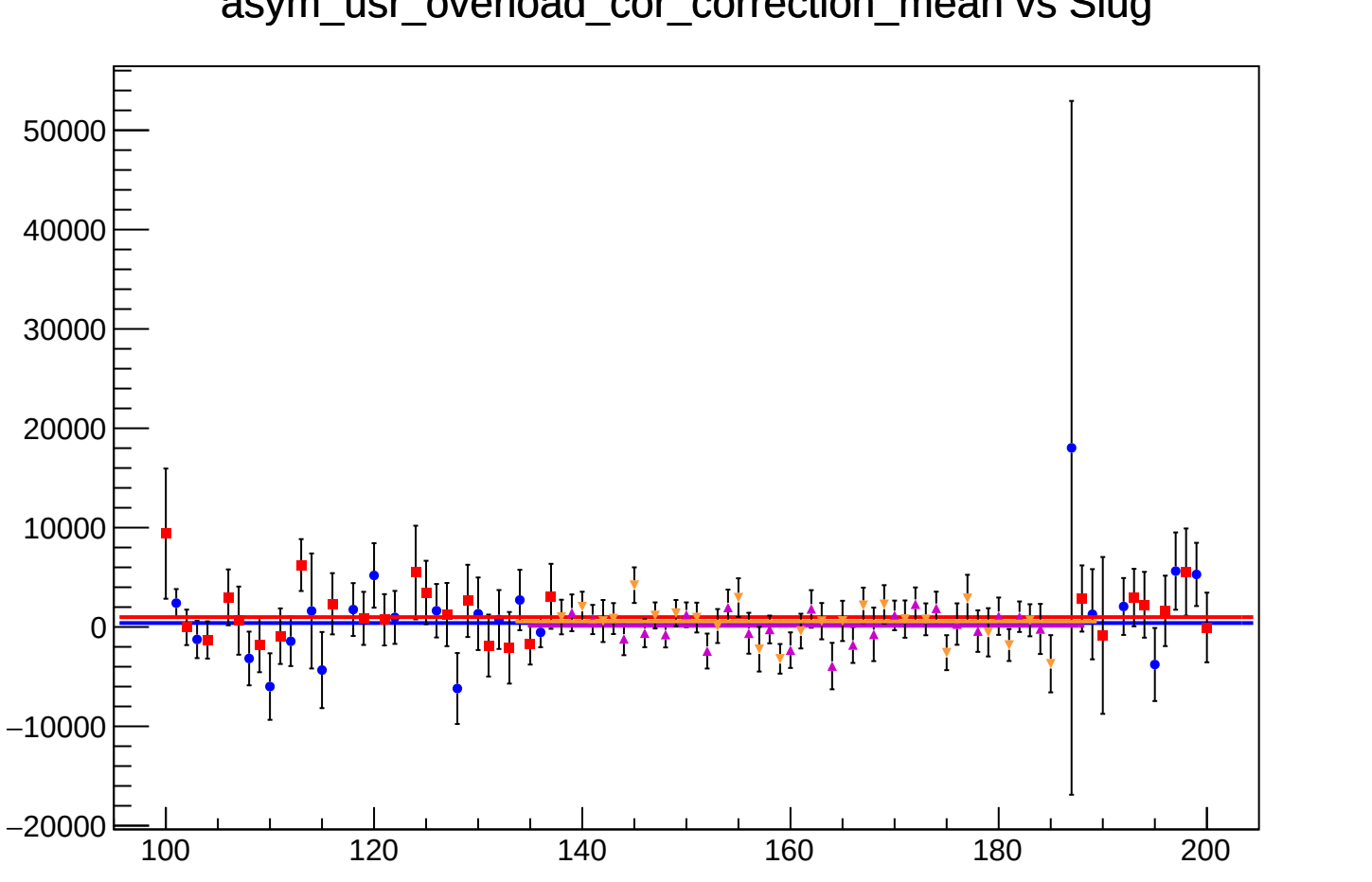
Right Out: 1110.804+/-0.216 χ^2/NDF: 373546.3/26

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

+ sign 1093.850+/-0.139 χ^2/NDF: 108067.2/46

All: 1096.198+/-0.098 χ^2/NDF: 491571.3/96

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



Right In: 396.703+/-575.327 χ^2/NDF: 23.6/21

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

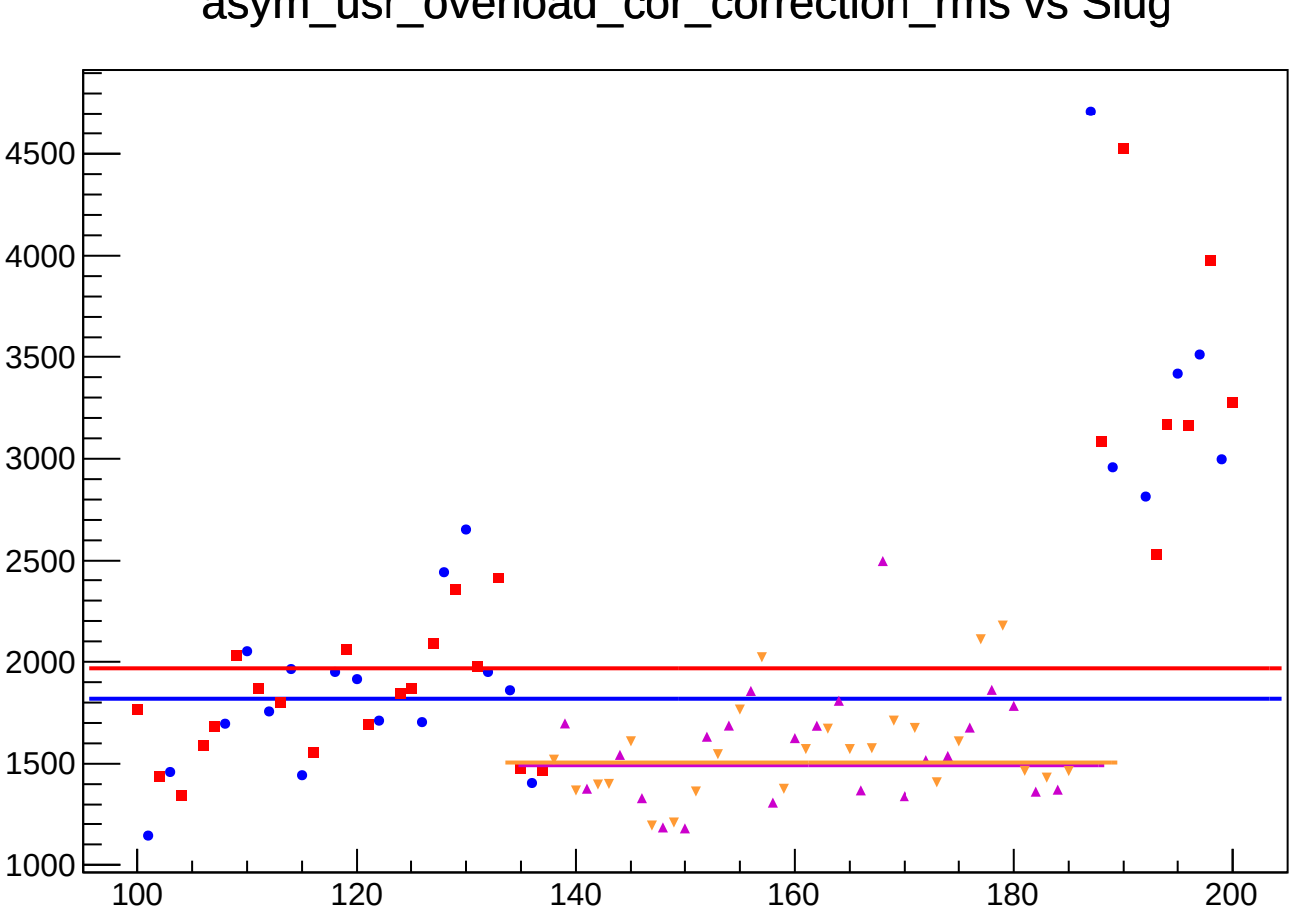
Right Out: 991.263+/-578.360 χ^2/NDF: 17.3/25

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

+ sign 511.722+/-297.648 χ^2/NDF: 49.8/46

All: 436.542+/-212.083 χ^2/NDF: 85.9/95

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



Right In: 1818.820+/-0.407 χ^2/NDF: 2315886.5/21

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

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

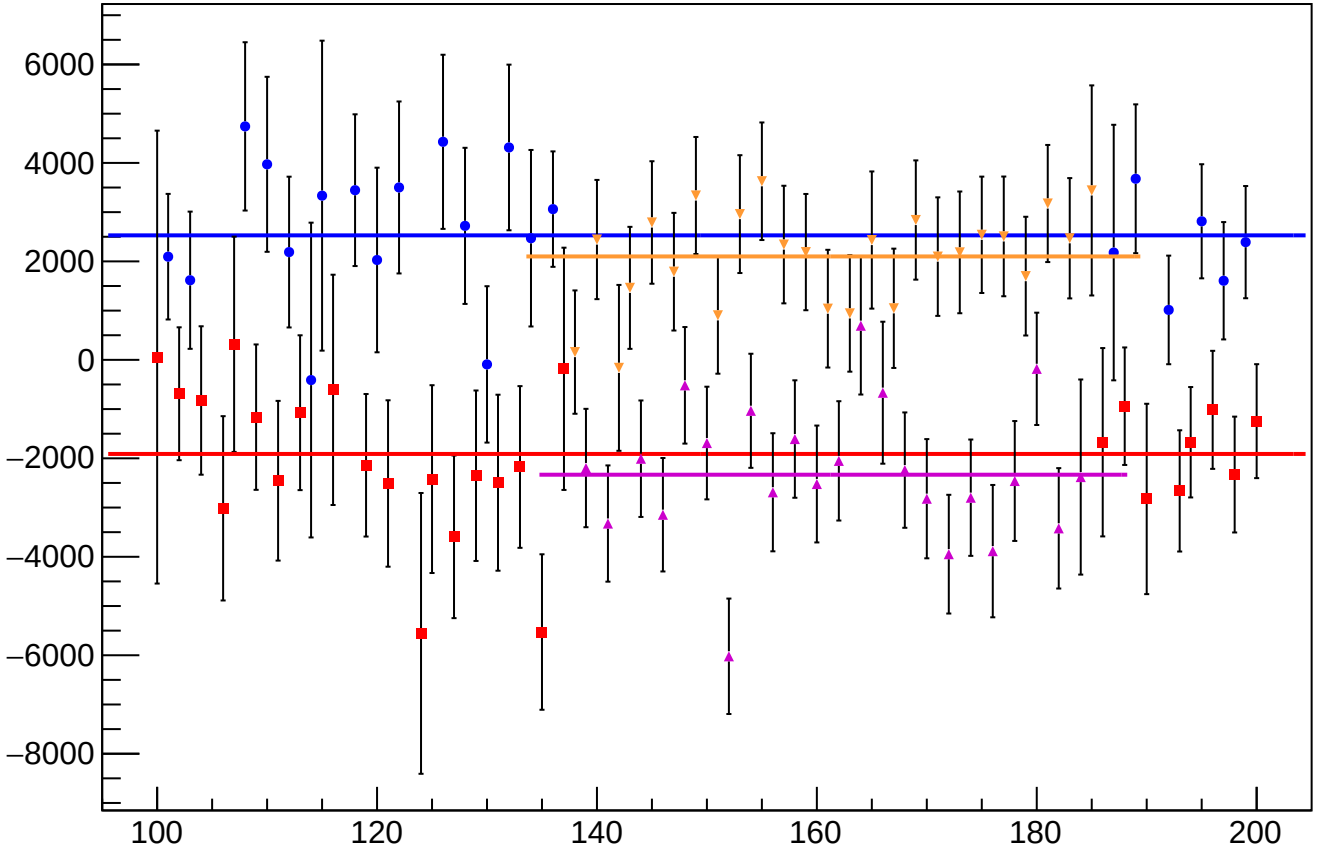
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1589.803+/-0.210 χ^2/NDF: 3545020.5/46

All: 1606.002+/-0.150 χ^2/NDF: 7939761.1/95

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

eigen_cor_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

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

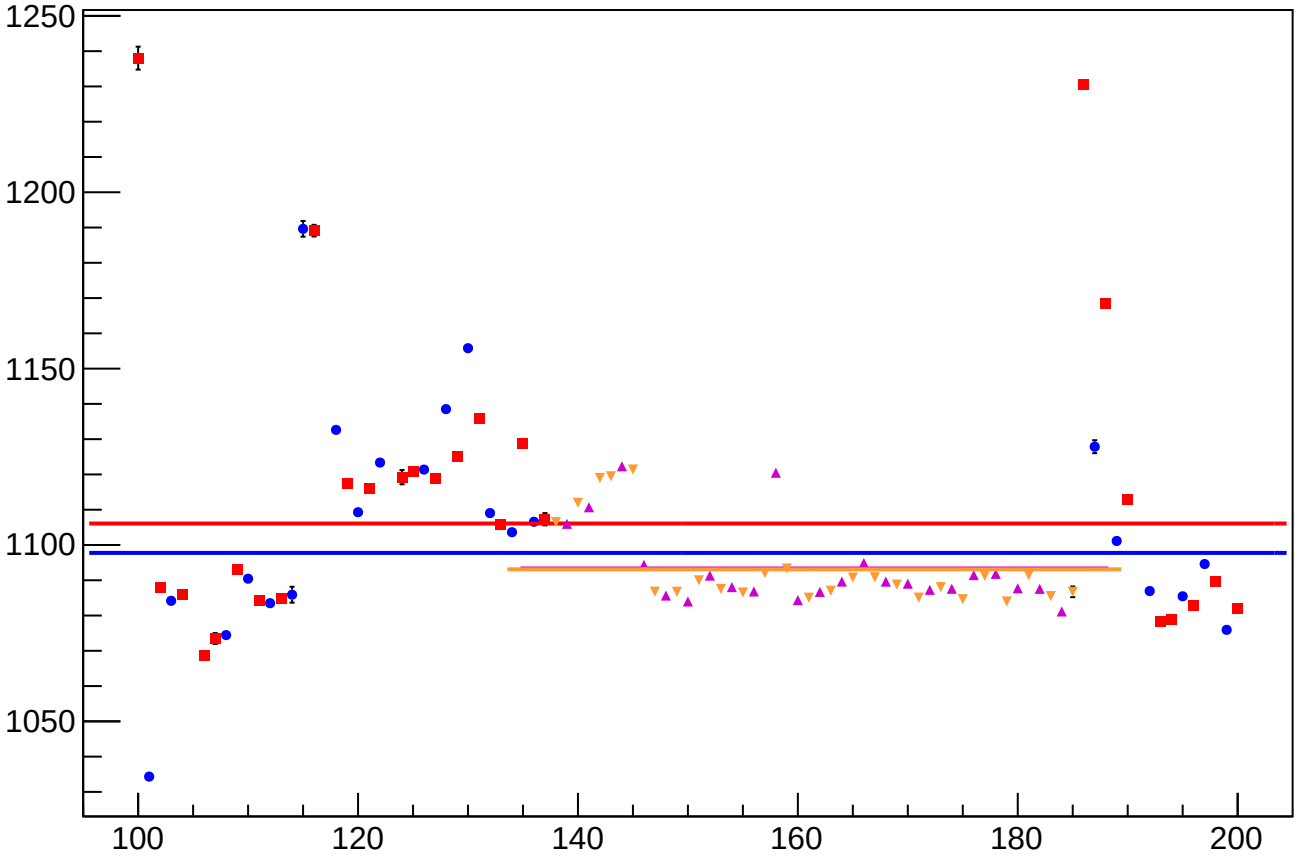
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 28.362+/-138.488 χ^2/NDF: 327.8/96

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

eigen_cor_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

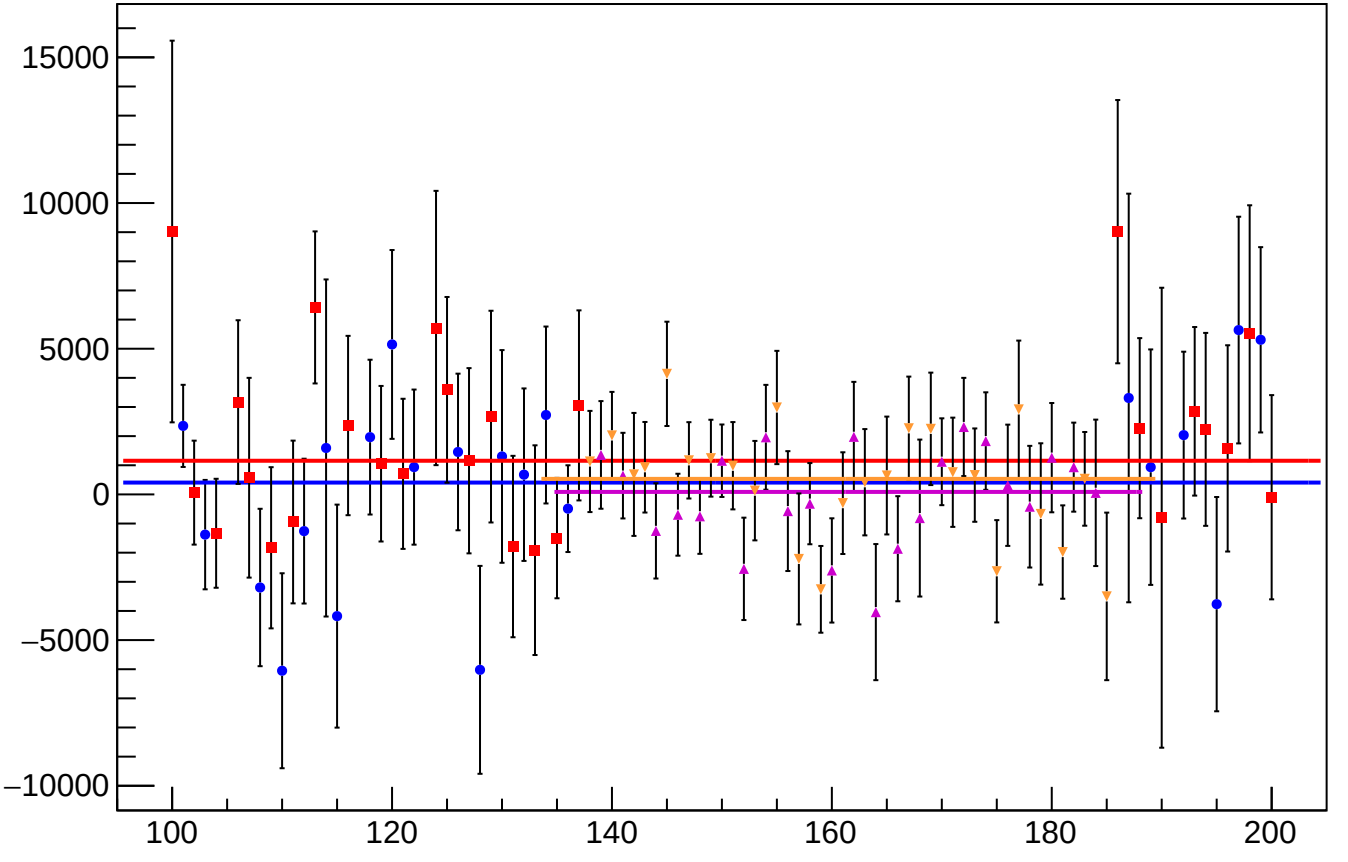
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96

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

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1154.771+/-571.823 χ^2/NDF: 20.2/26

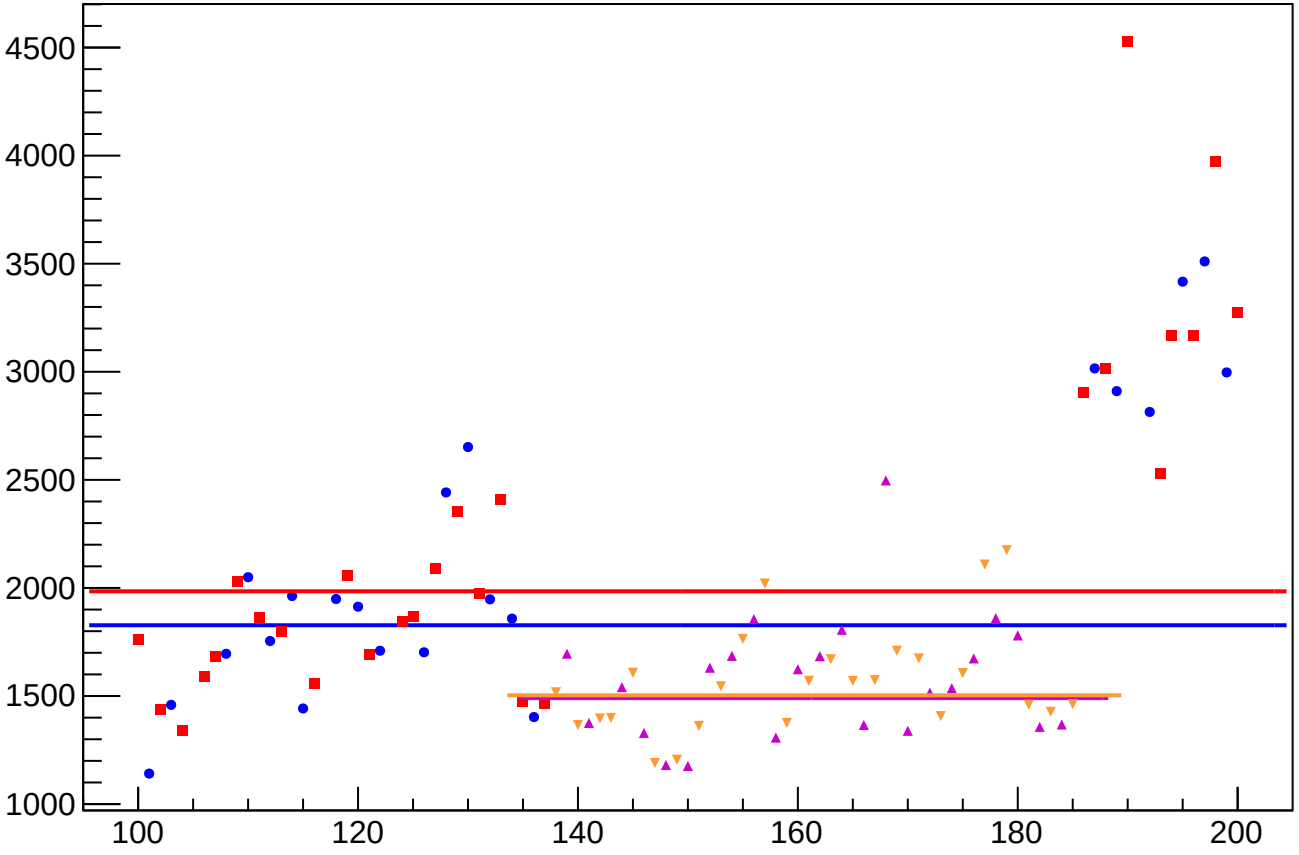
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 441.000+/-211.310 χ^2/NDF: 90.5/96

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

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

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

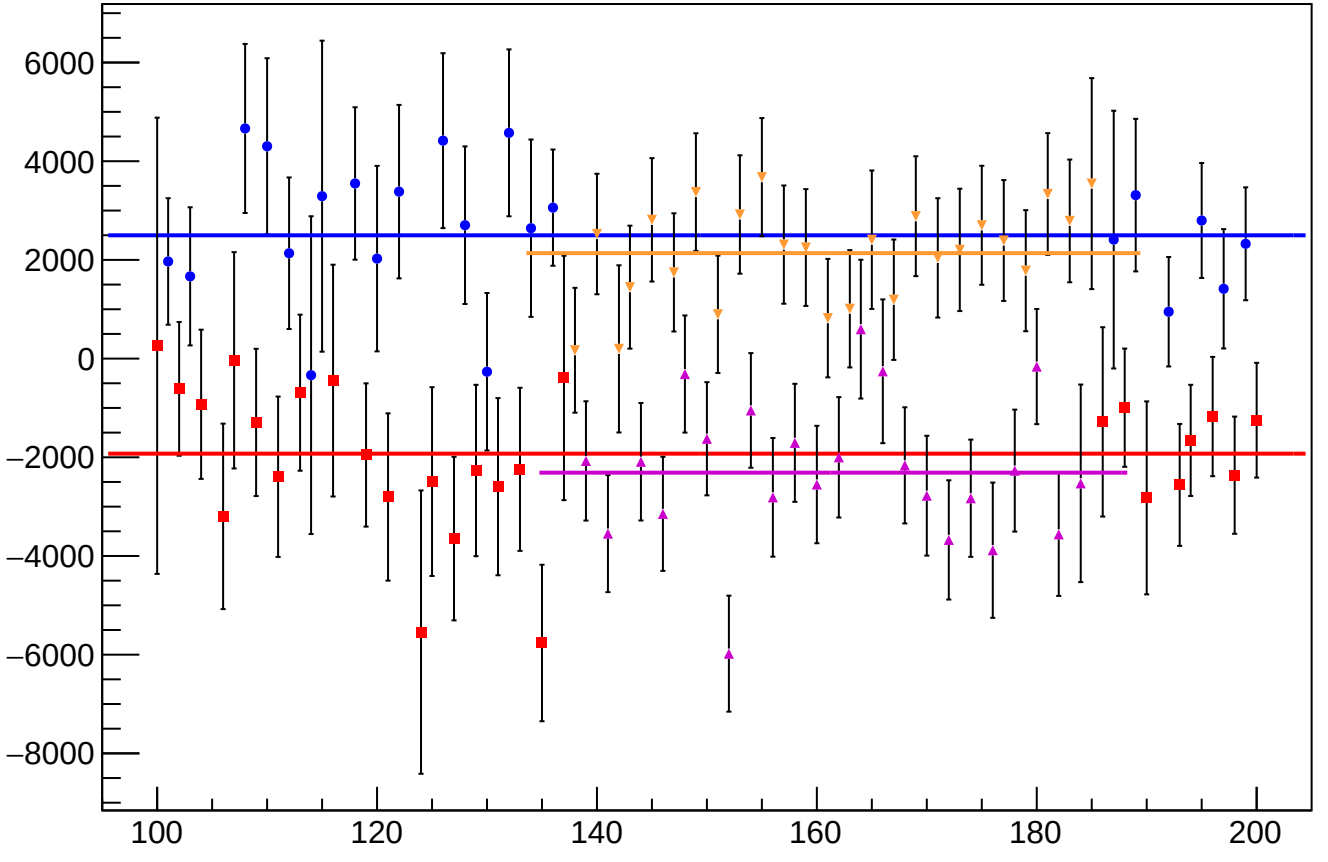
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96

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

dit_asym_usr_mean vs Slug



Right In: 2498.704+/-325.017 χ^2/NDF: 13.9/21

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

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

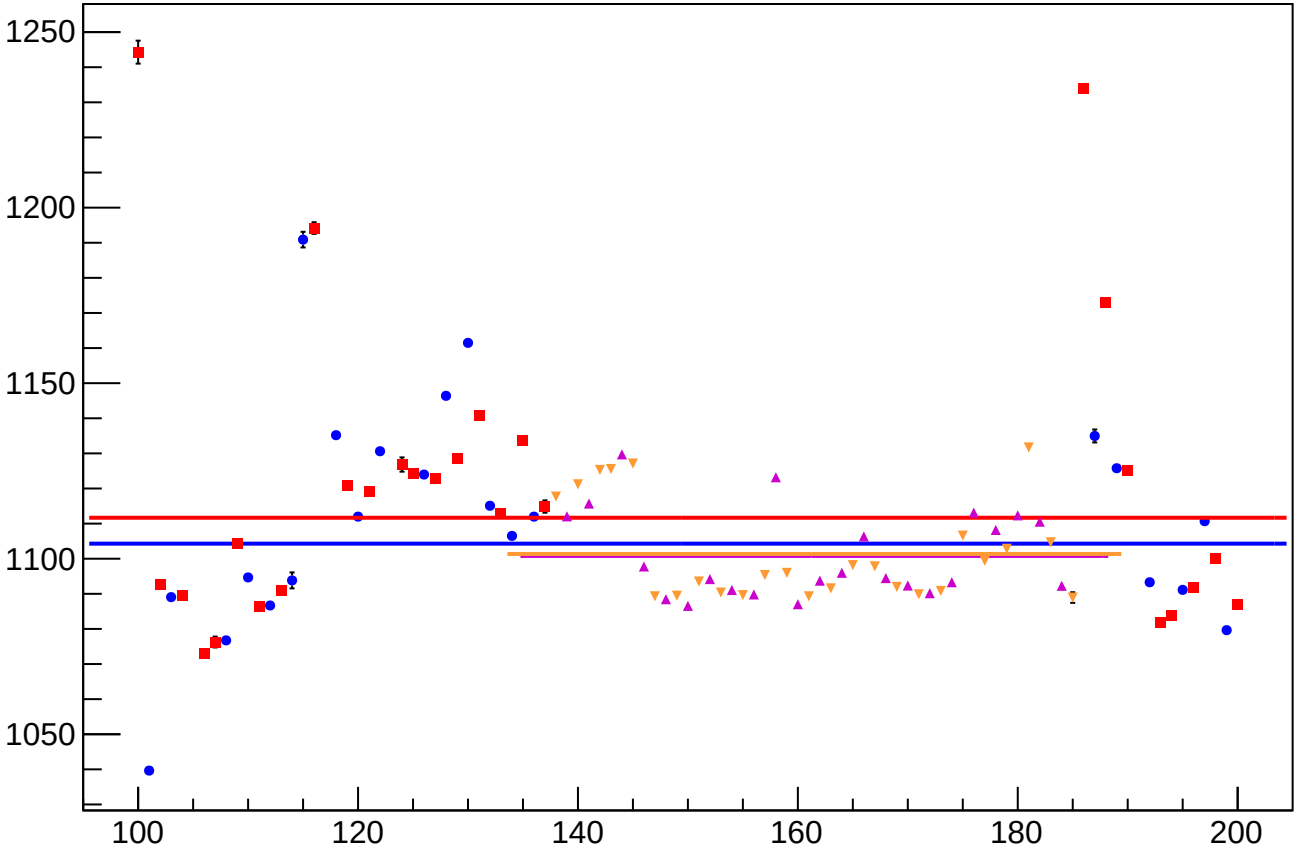
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2271.701+/-198.257 χ^2/NDF: 28.6/46

All: 35.632+/-139.396 χ^2/NDF: 326.7/96

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

dit_asym_usr_rms vs Slug



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.6/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

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

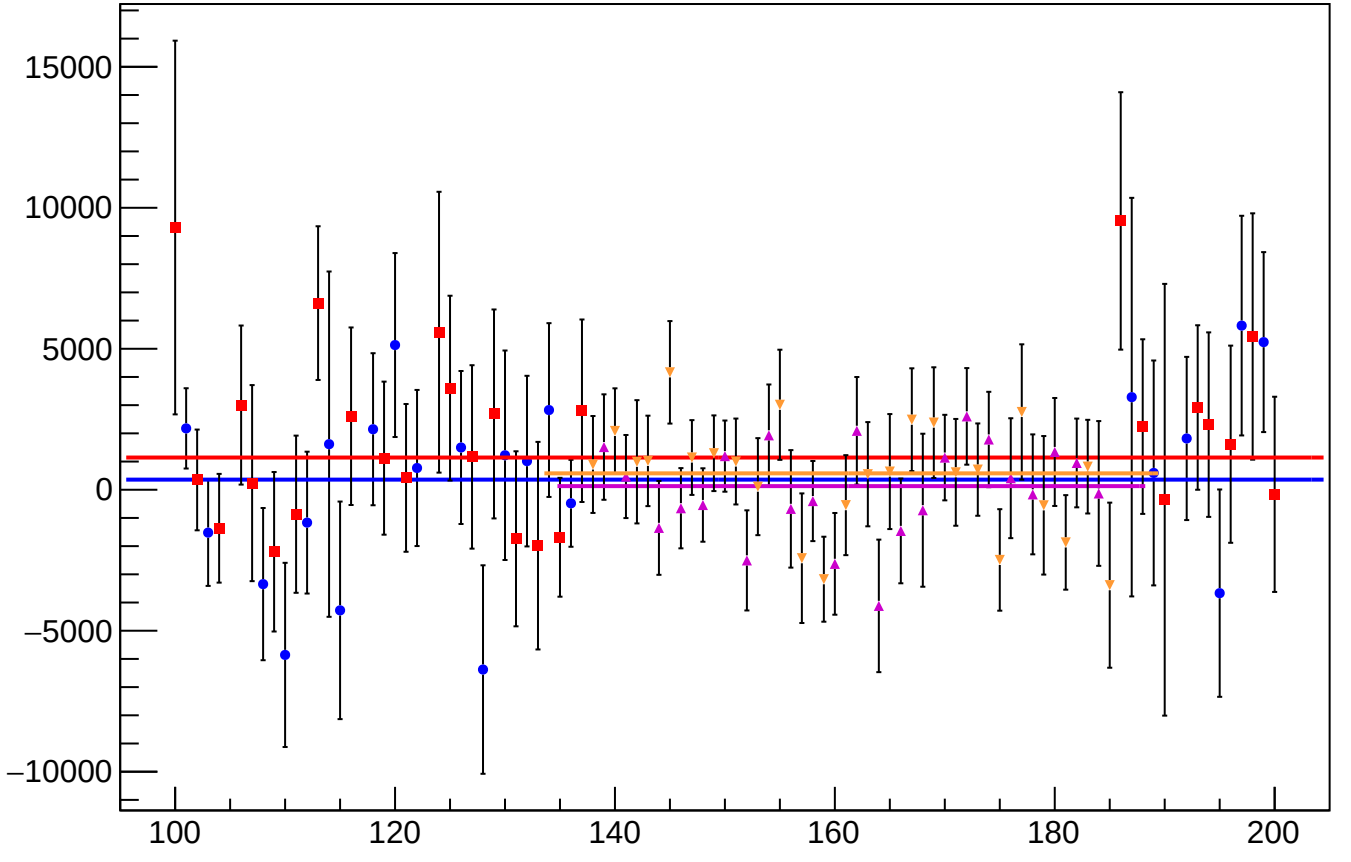
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.447+/-0.140 χ^2/NDF: 21502.9/46

All: 1103.912+/-0.099 χ^2/NDF: 54015.1/96

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

asym_usr_dit_correction_mean vs Slug



Right In: 359.002+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1142.614+/-579.198 χ^2/NDF: 20.5/26

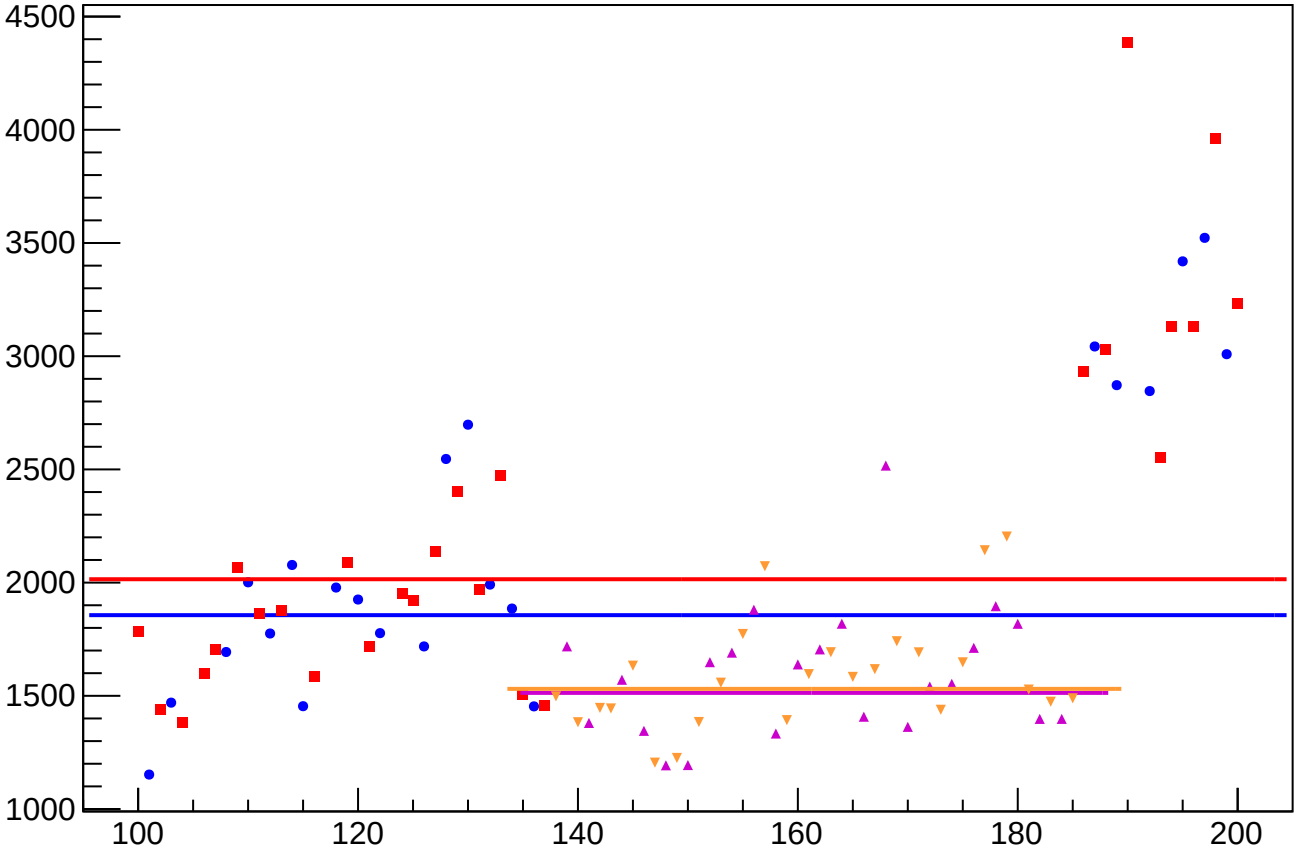
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 521.168+/-301.746 χ^2/NDF: 48.5/46

All: 466.372+/-214.584 χ^2/NDF: 89.2/96

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

asym_usr_dit_correction_rms vs Slug



Right In: 1856.276+/-0.410 χ^2/NDF: 2343342.3/21

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

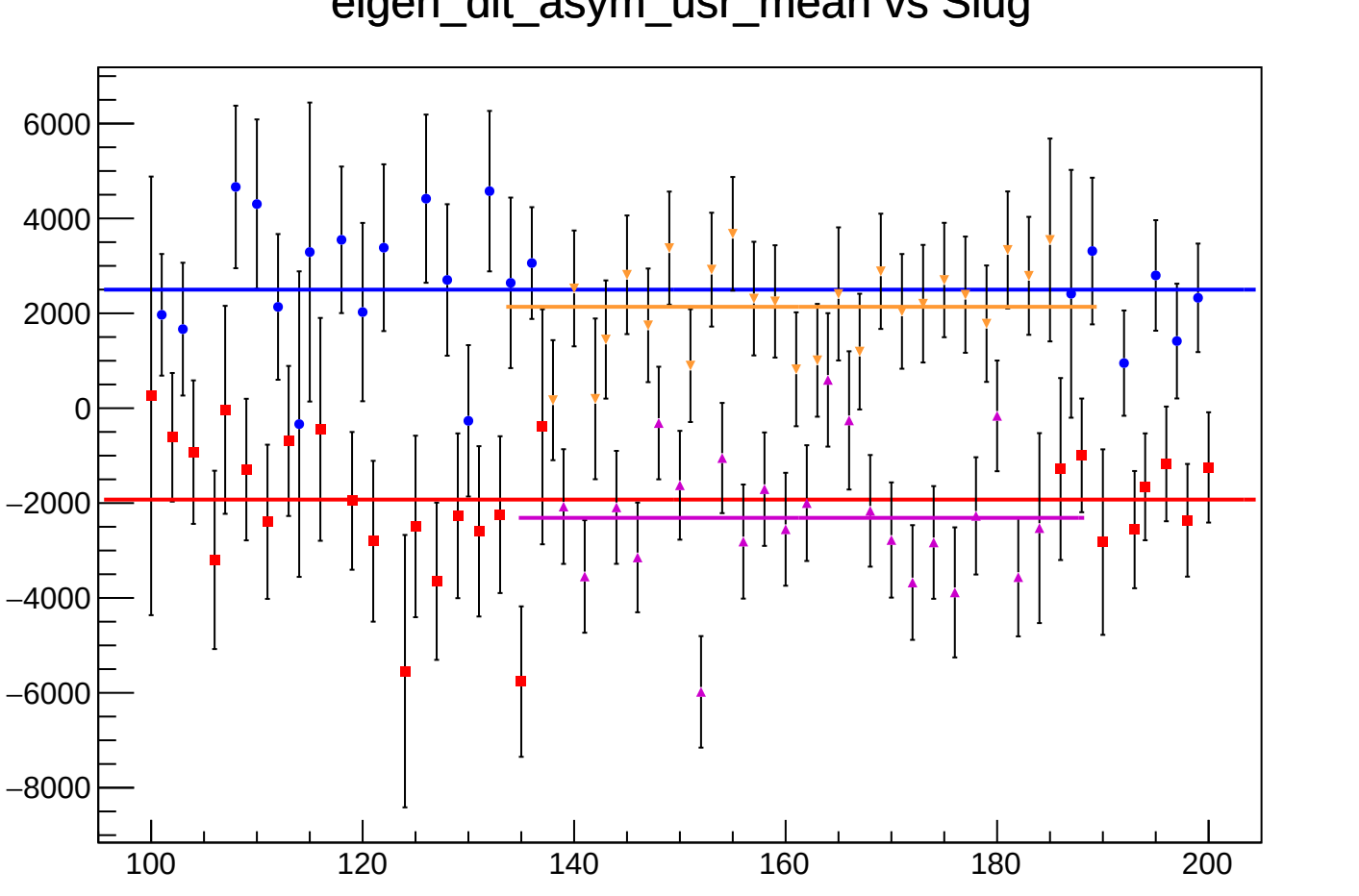
Right Out: 2014.957+/-0.410 χ^2/NDF: 2430786.0/26

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

+ sign 1618.951+/-0.213 χ^2/NDF: 3598700.0/46

All: 1635.461+/-0.152 χ^2/NDF: 8083888.0/96

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



Right In: 2498.702+/-325.017 χ^2/NDF: 13.9/21

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

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

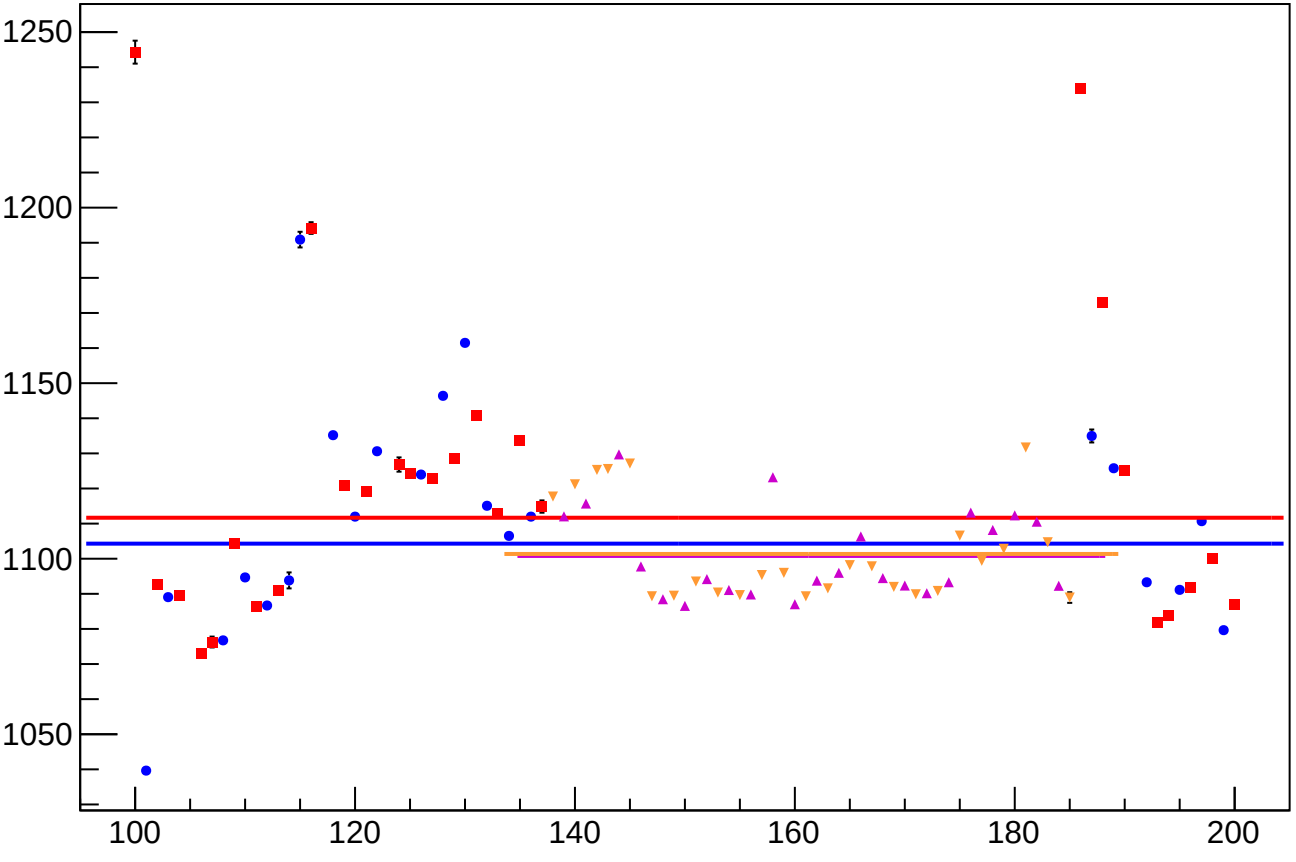
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2271.699+/-198.257 χ^2/NDF: 28.6/46

All: 35.631+/-139.396 χ^2/NDF: 326.7/96

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

eigen_dit_asym_usr_rms vs Slug



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.5/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

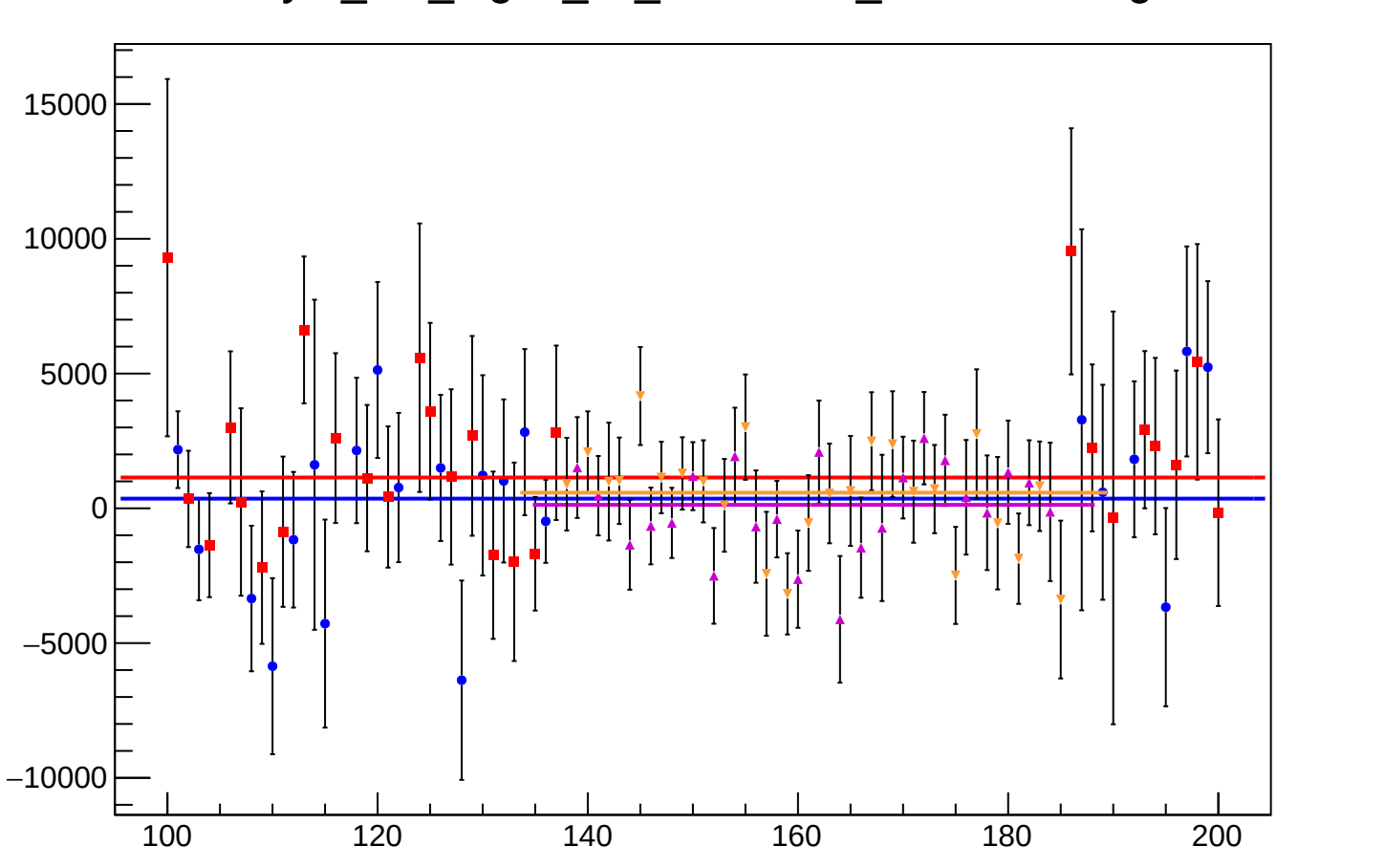
Right Out: 1111.672+/-0.214 χ^2/NDF: 26155.6/26

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

+ sign 1102.447+/-0.140 χ^2/NDF: 21502.7/46

All: 1103.911+/-0.099 χ^2/NDF: 54015.0/96

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



Right In: 358.998+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1142.616+/-579.197 χ^2/NDF: 20.5/26

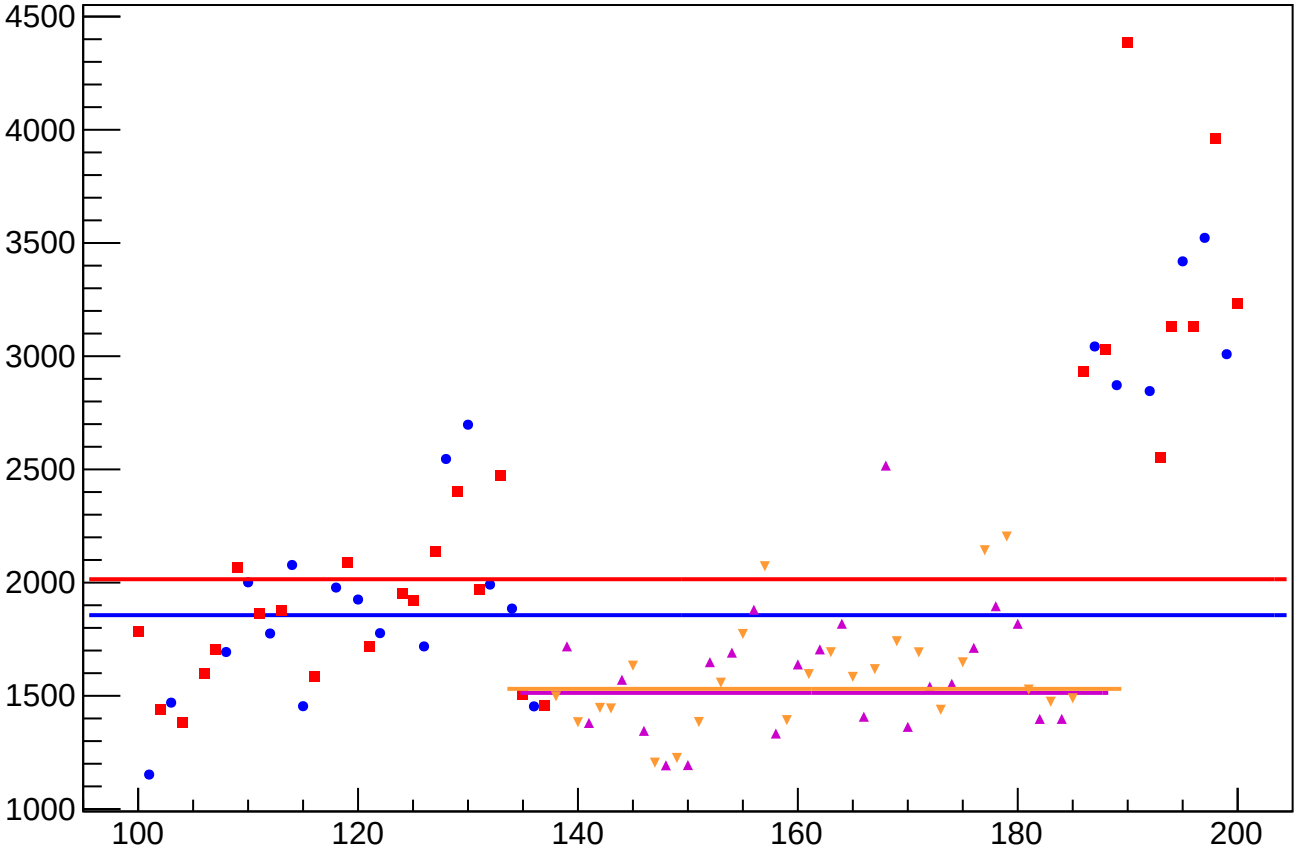
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 521.166+/-301.746 χ^2/NDF: 48.5/46

All: 466.372+/-214.584 χ^2/NDF: 89.2/96

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

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1856.274+/-0.410 χ^2/NDF: 2343336.1/21

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

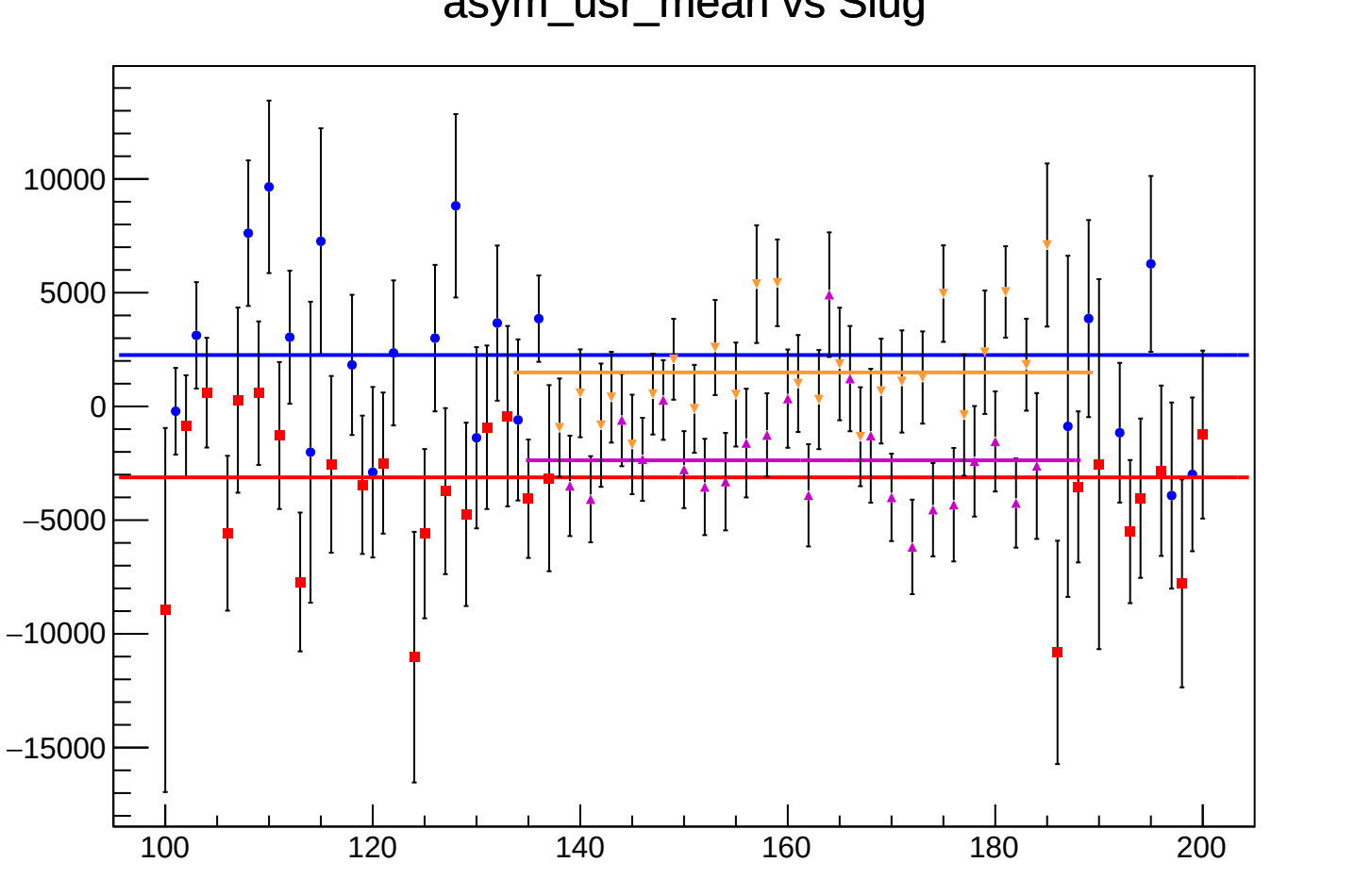
Right Out: 2014.955+/-0.410 χ^2/NDF: 2430778.1/26

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

+ sign 1618.954+/-0.213 χ^2/NDF: 3598680.4/46

All: 1635.463+/-0.152 χ^2/NDF: 8083842.7/96

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



Right In: 2258.503+/-684.242 χ^2/NDF: 24.2/21

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

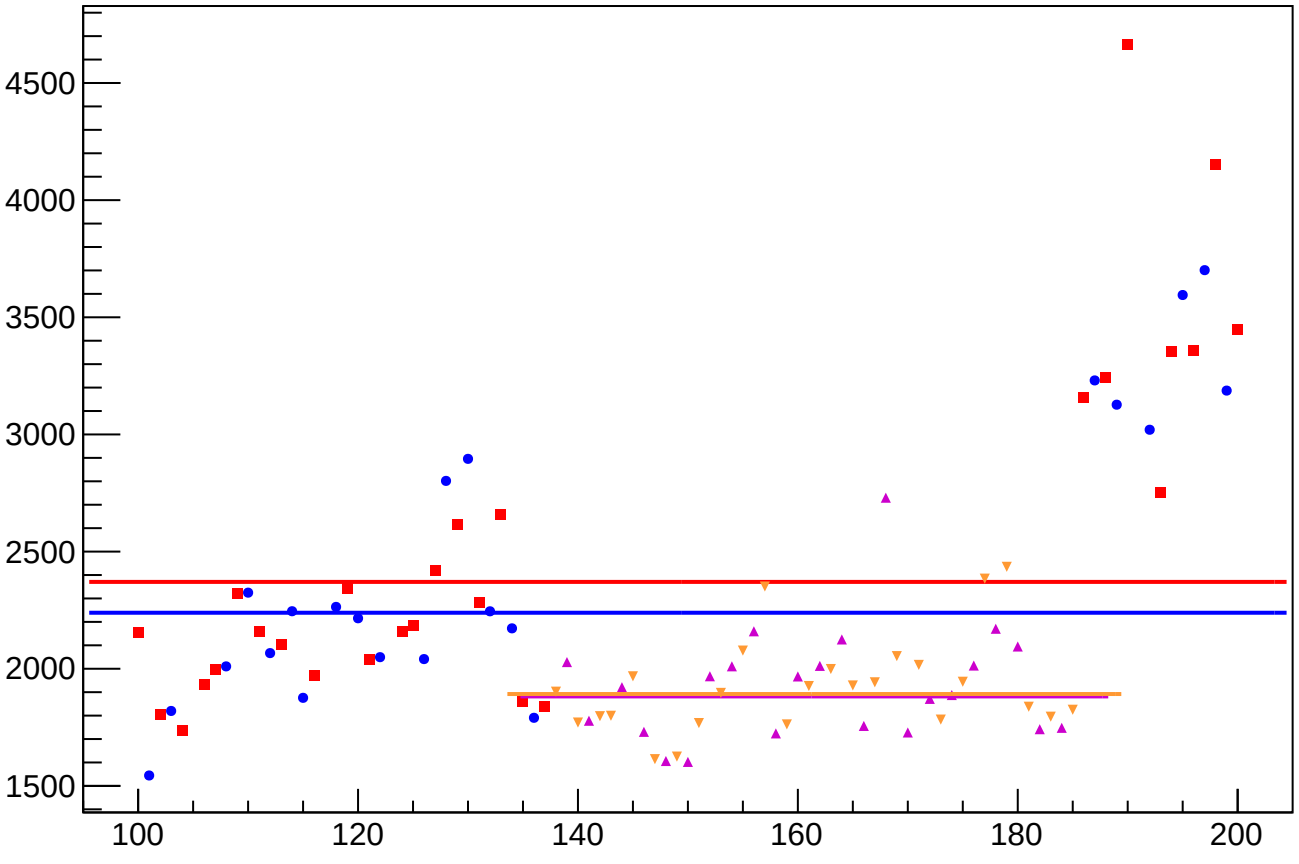
Right Out: -3119.563+/-670.005 χ^2/NDF: 17.3/26

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

+ sign 1713.479+/-366.010 χ^2/NDF: 48.9/46

All: -422.017+/-260.034 χ^2/NDF: 159.4/96

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



Right In: 2239.042+/-0.484 χ^2/NDF: 1486810.3/21

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

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

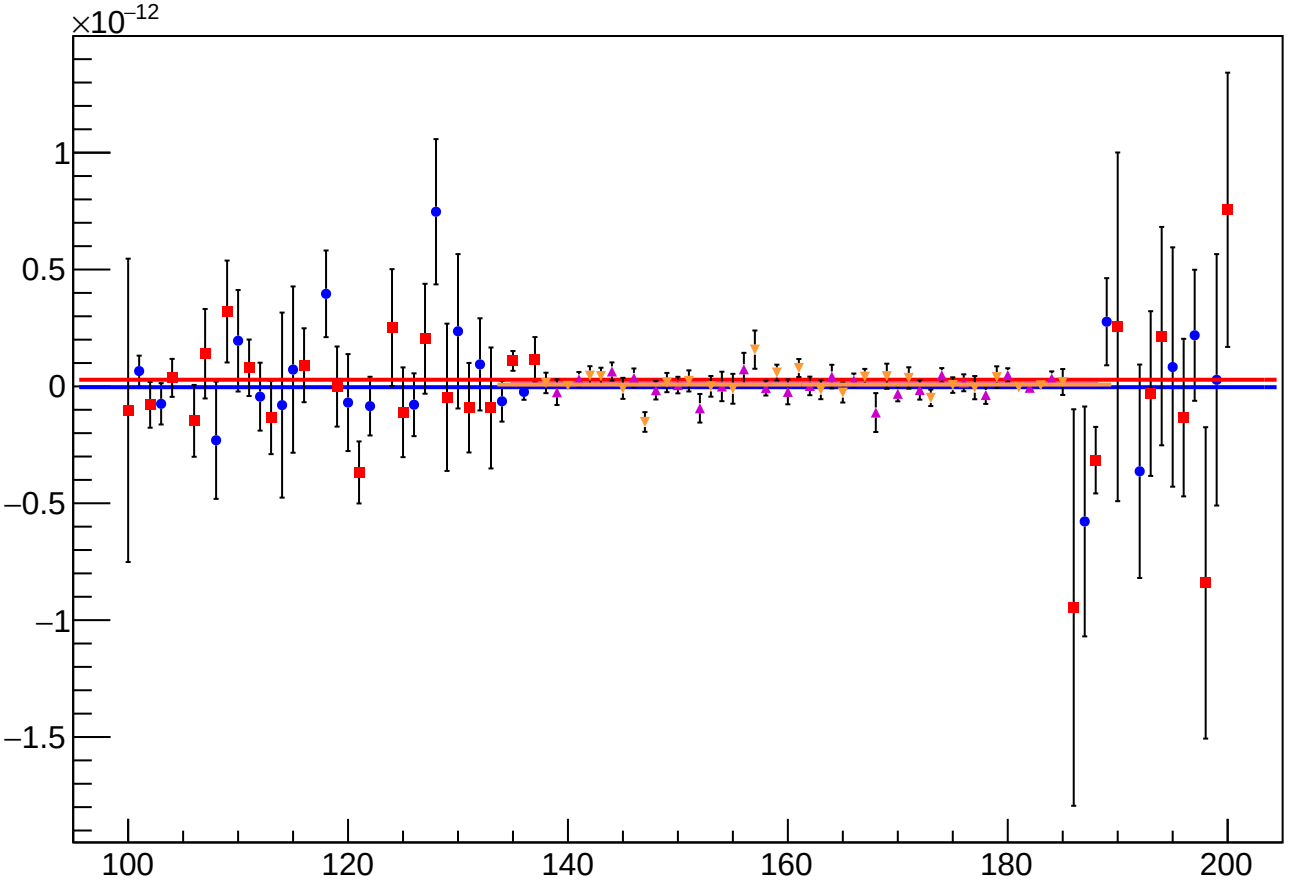
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1991.384+/-0.259 χ^2/NDF: 2243488.0/46

All: 2010.782+/-0.184 χ^2/NDF: 5131440.2/96

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

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/26

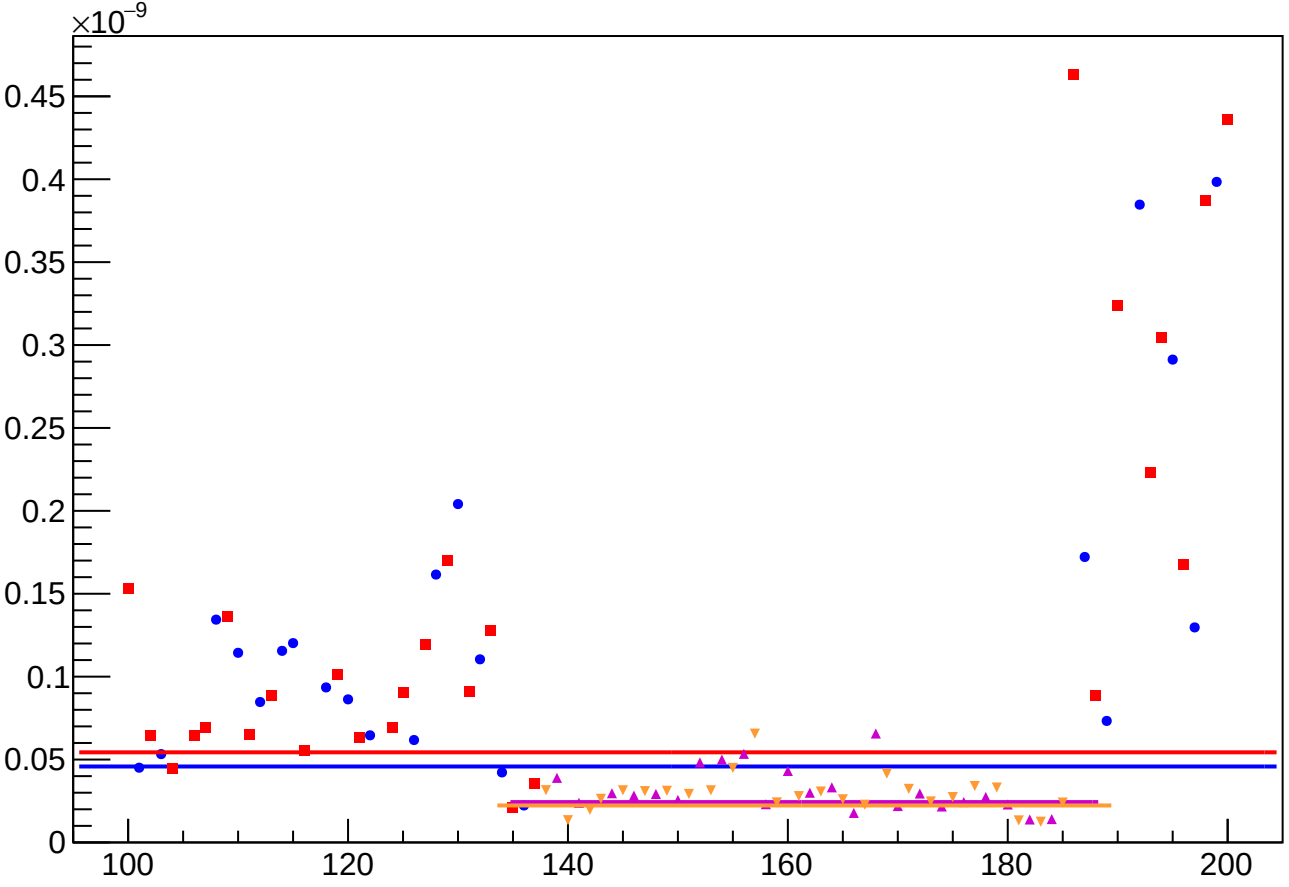
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/46

All: 0.000+/-0.000 χ^2/NDF: 106.6/96

- sign 0.000+/-0.000 χ^2/NDF: 52.5/49

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5753715.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6149246.2/26

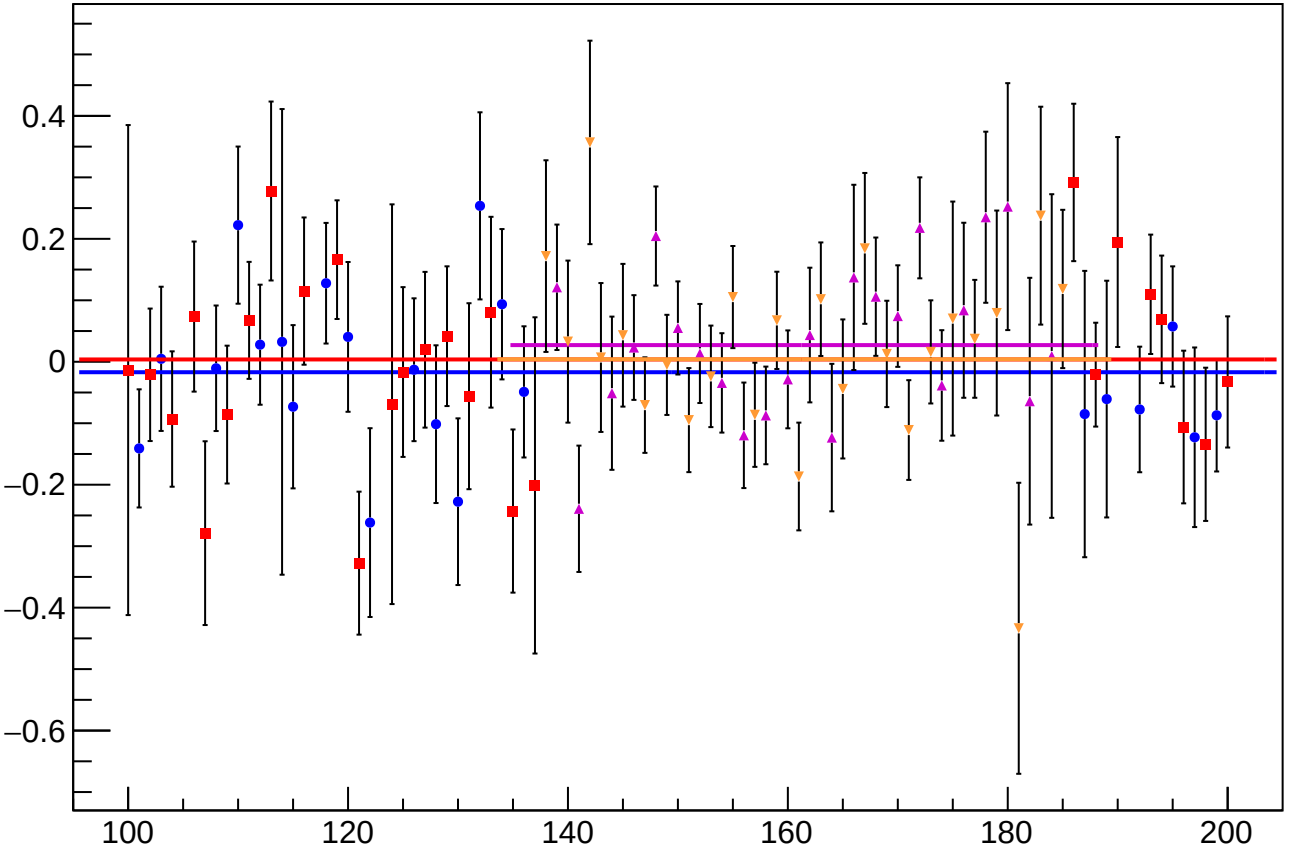
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11171816.2/46

All: 0.000+/-0.000 χ^2/NDF: 22990126.3/96

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

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

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

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

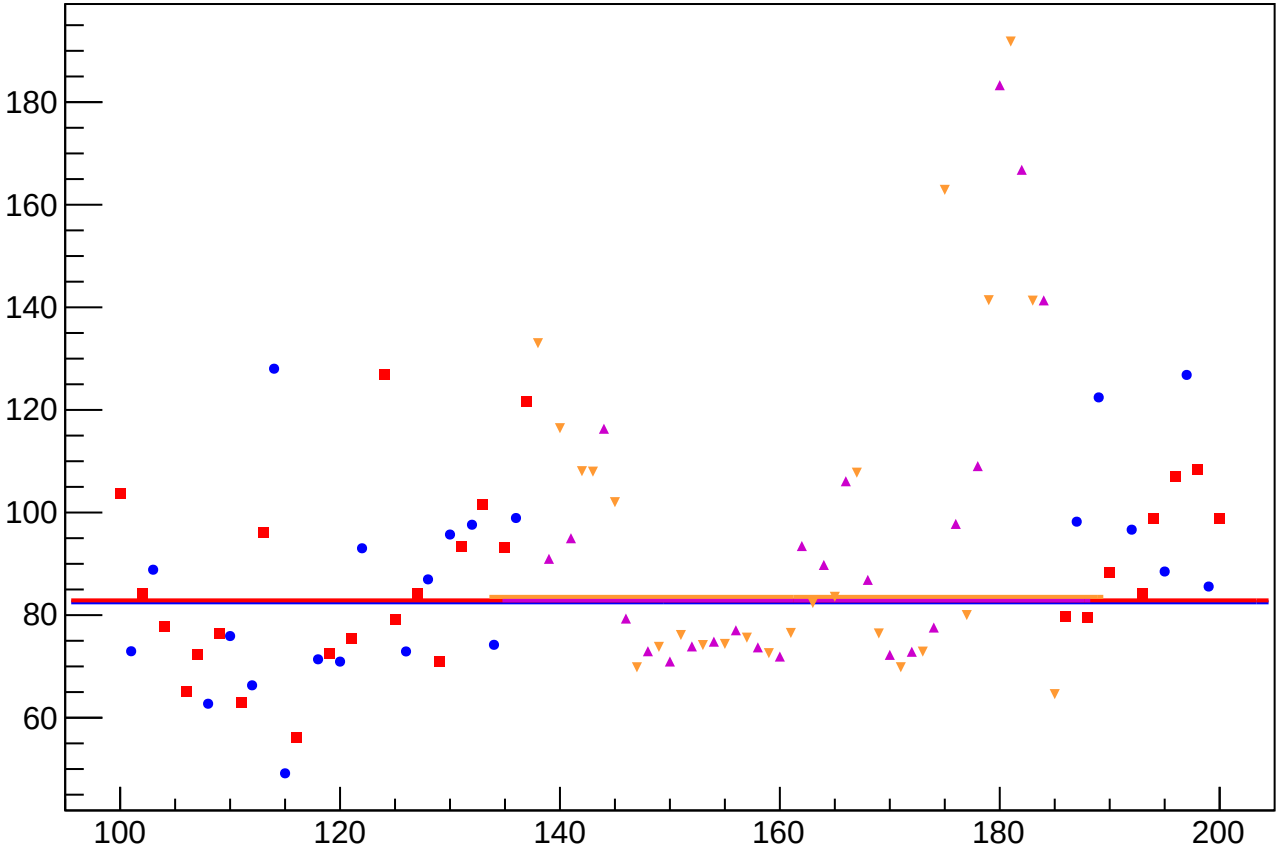
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.5/96

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

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

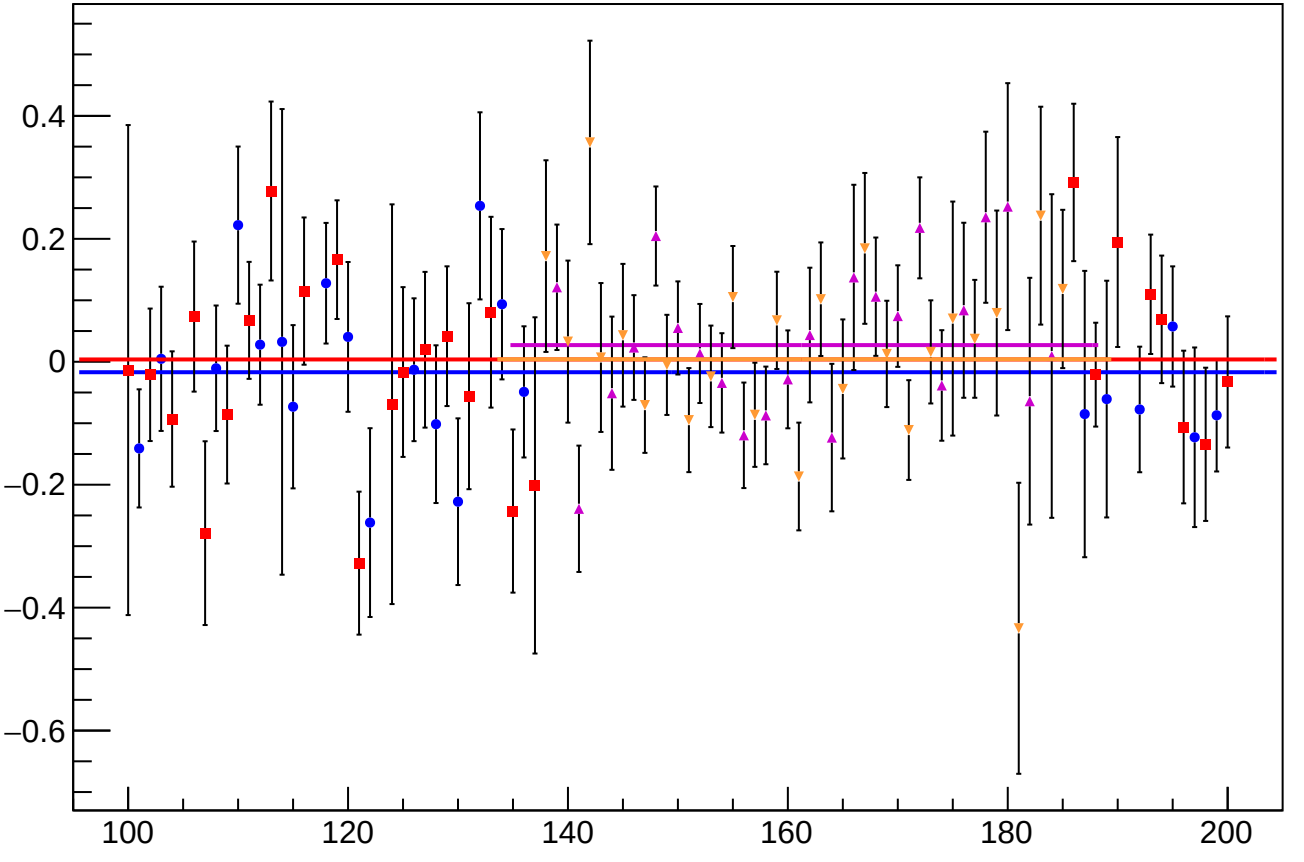
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.152+/-0.011 χ^2/NDF: 2982695.2/46

All: 83.015+/-0.008 χ^2/NDF: 5267181.1/96

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

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

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

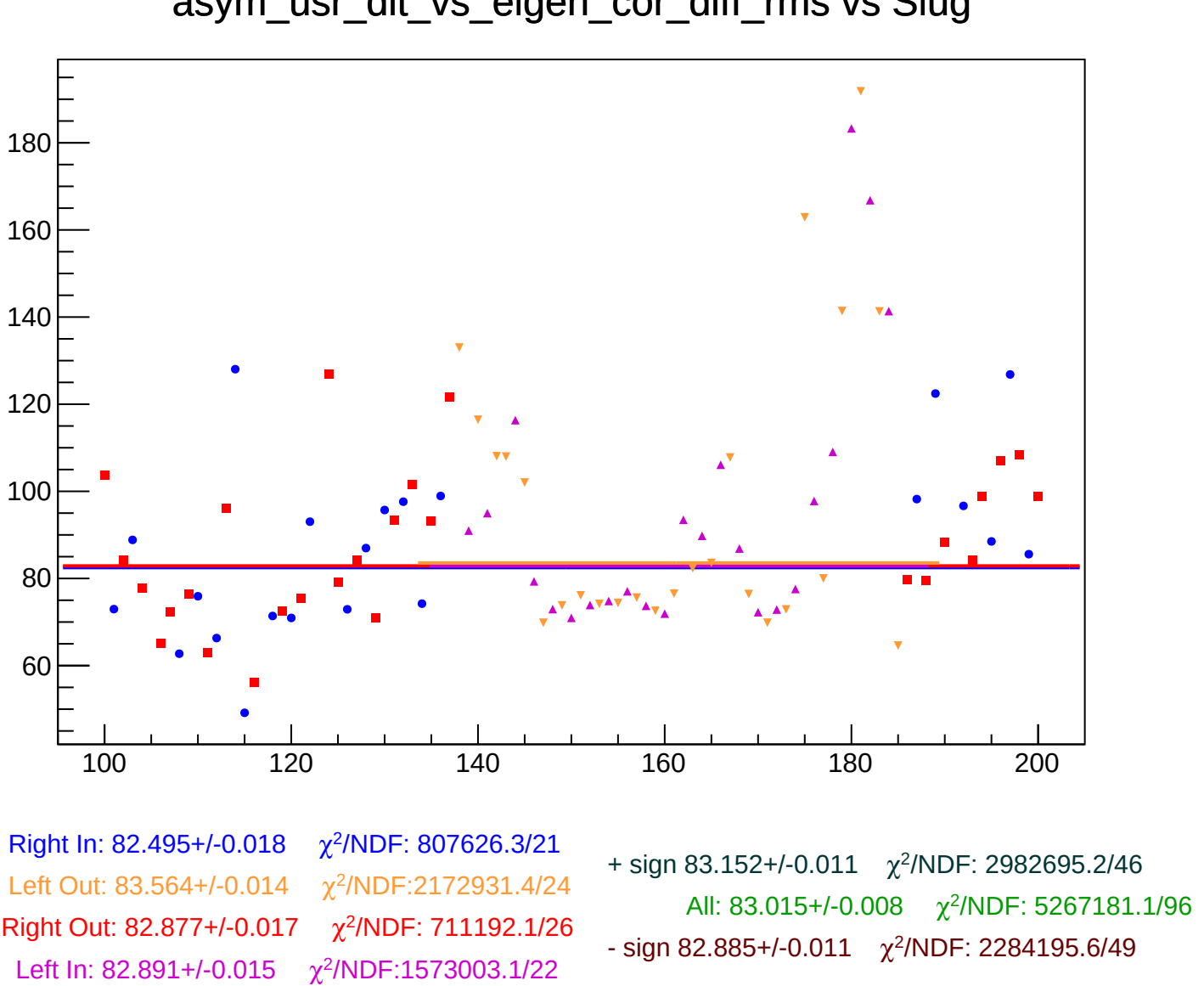
Right Out: 0.004+/-0.024 χ^2/NDF: 35.9/26

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

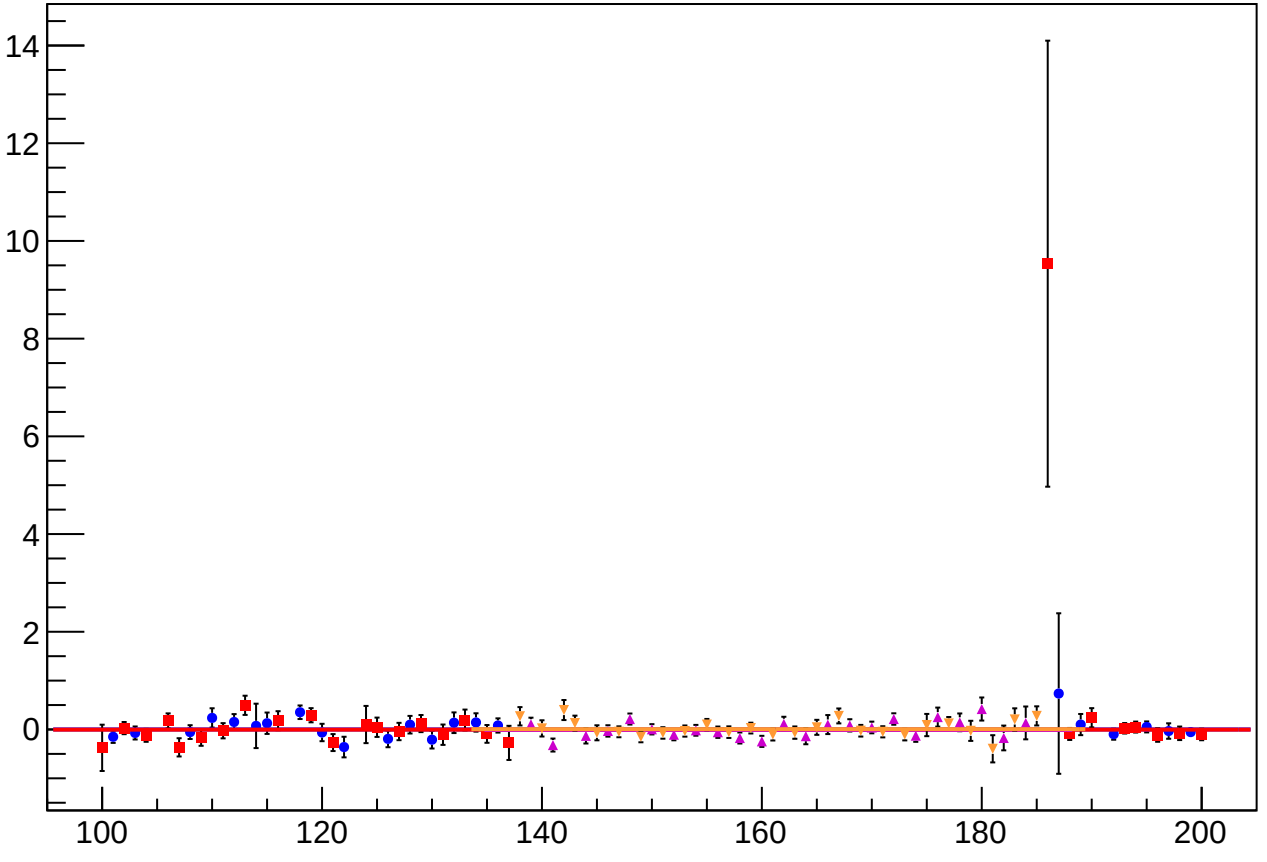
+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.5/96

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49


asym_usr_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
100
120
140
160
180
200
Right In: 82.495+/-0.018 χ²/NDF: 807626.3/21
Left Out: 83.564+/-0.014 χ²/NDF:2172931.4/24
Right Out: 82.877+/-0.017 χ²/NDF: 711192.1/26
Left In: 82.891+/-0.015 χ²/NDF:1573003.1/22
+ sign 83.152+/-0.011 χ²/NDF: 2982695.2/46
All: 83.015+/-0.008 χ²/NDF: 5267181.1/96
- sign 82.885+/-0.011 χ²/NDF: 2284195.6/49

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.031 χ^2/NDF: 32.2/26

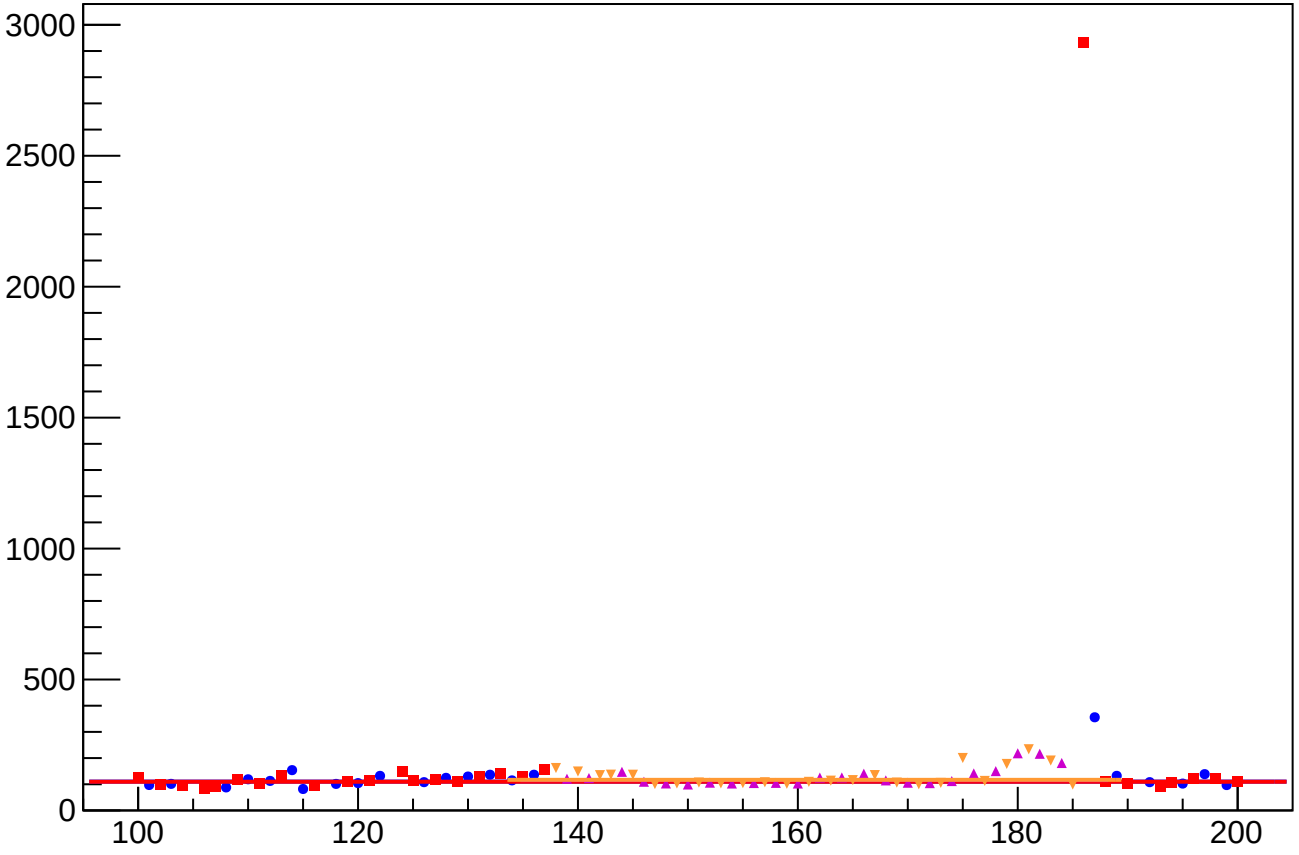
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.004+/-0.021 χ^2/NDF: 41.3/46

All: -0.002+/-0.015 χ^2/NDF: 105.0/96

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

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.169+/-0.024 χ^2/NDF: 472597.7/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

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

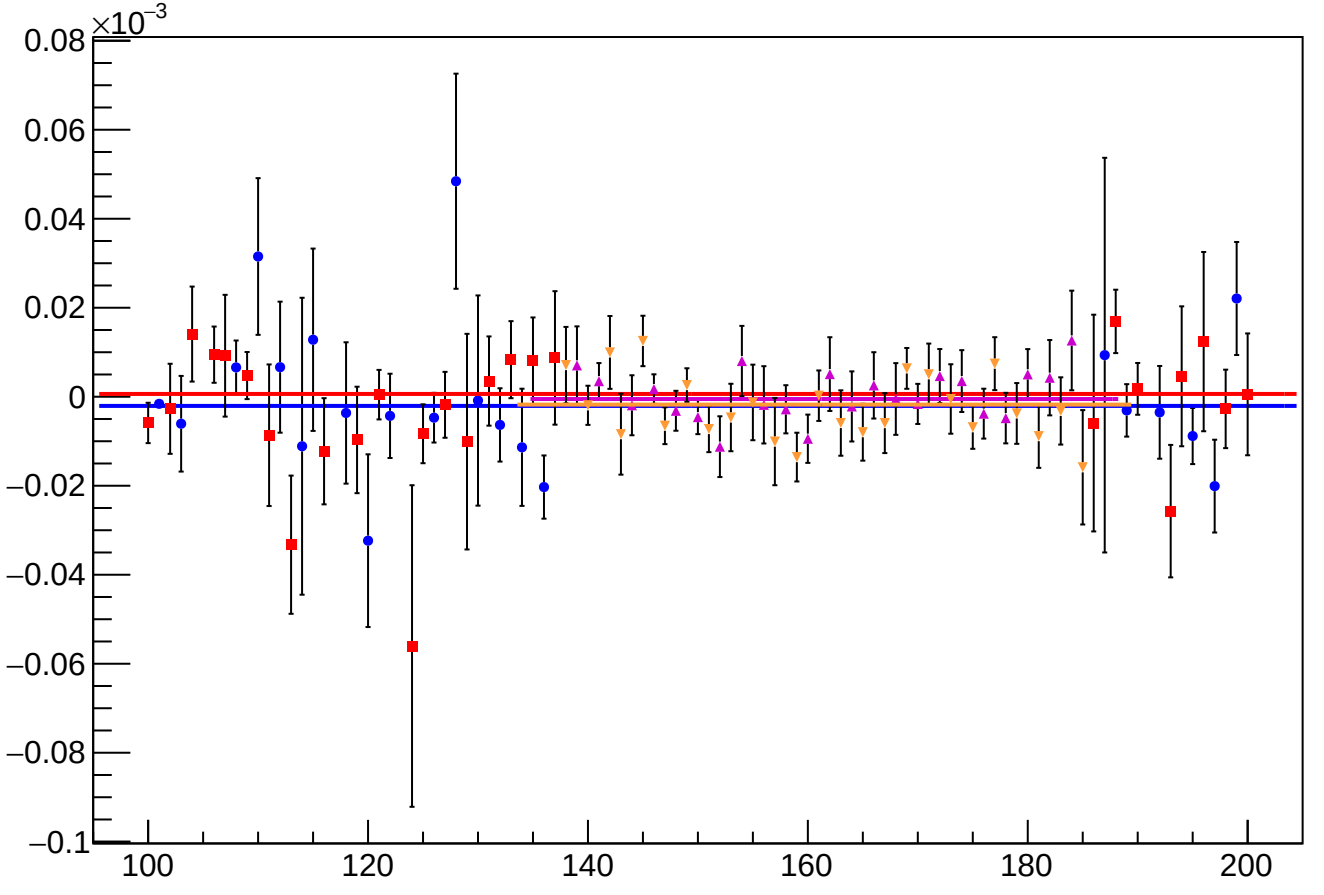
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.183+/-0.015 χ^2/NDF: 2116501.9/46

All: 113.627+/-0.011 χ^2/NDF: 4564067.5/96

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

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/26

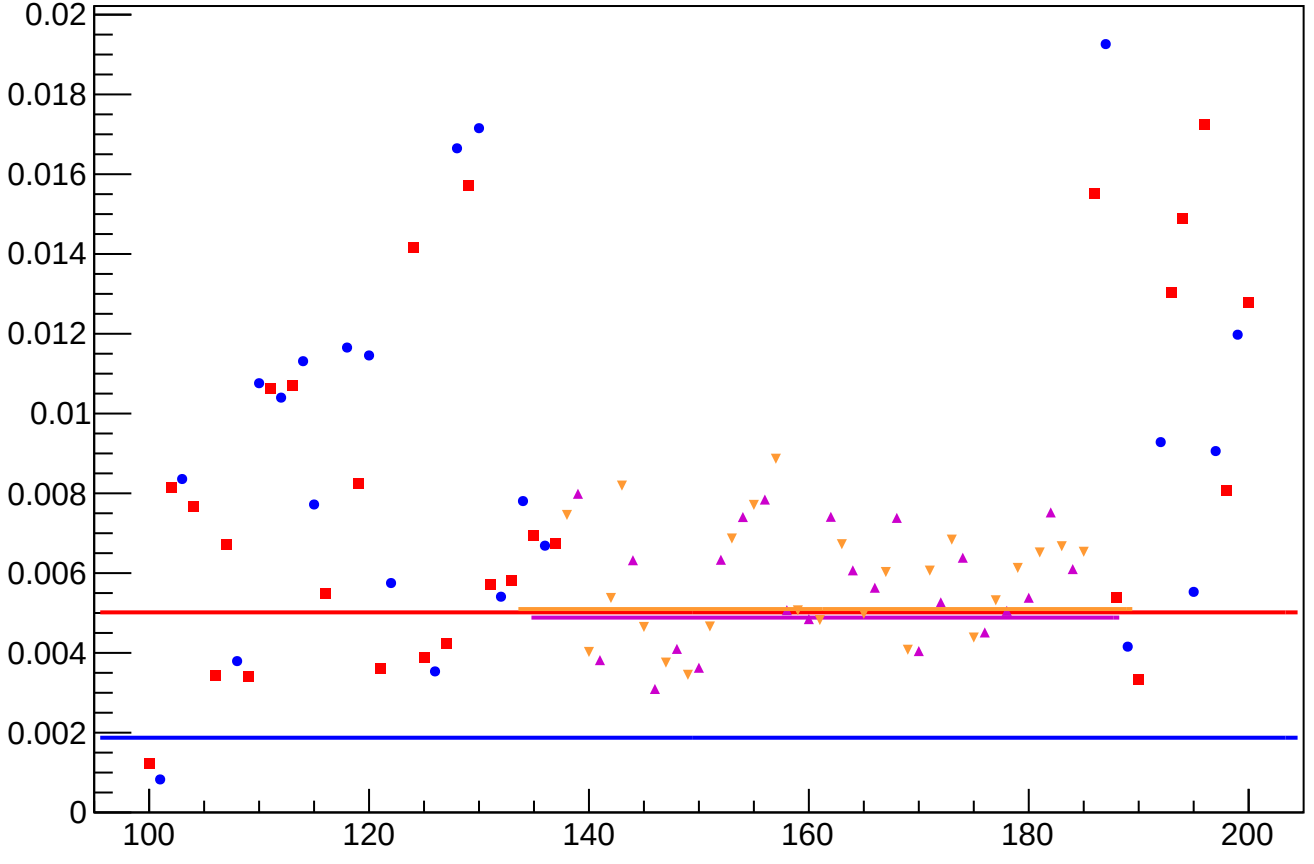
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/46

All: -0.000+/-0.000 χ^2/NDF: 107.6/96

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

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 13978939.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

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

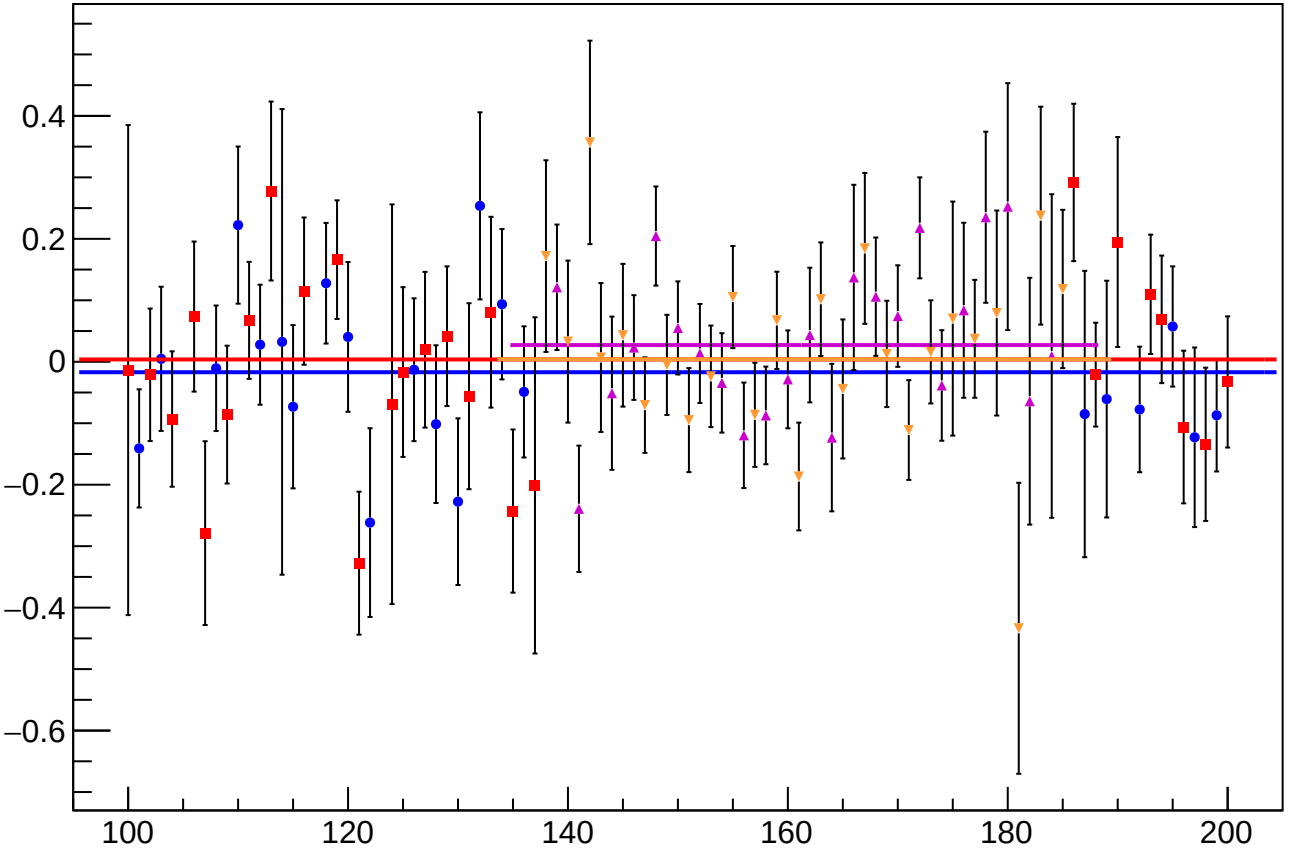
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 25215634.9/46

All: 0.004+/-0.000 χ^2/NDF: 39600261.0/96

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

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

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

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

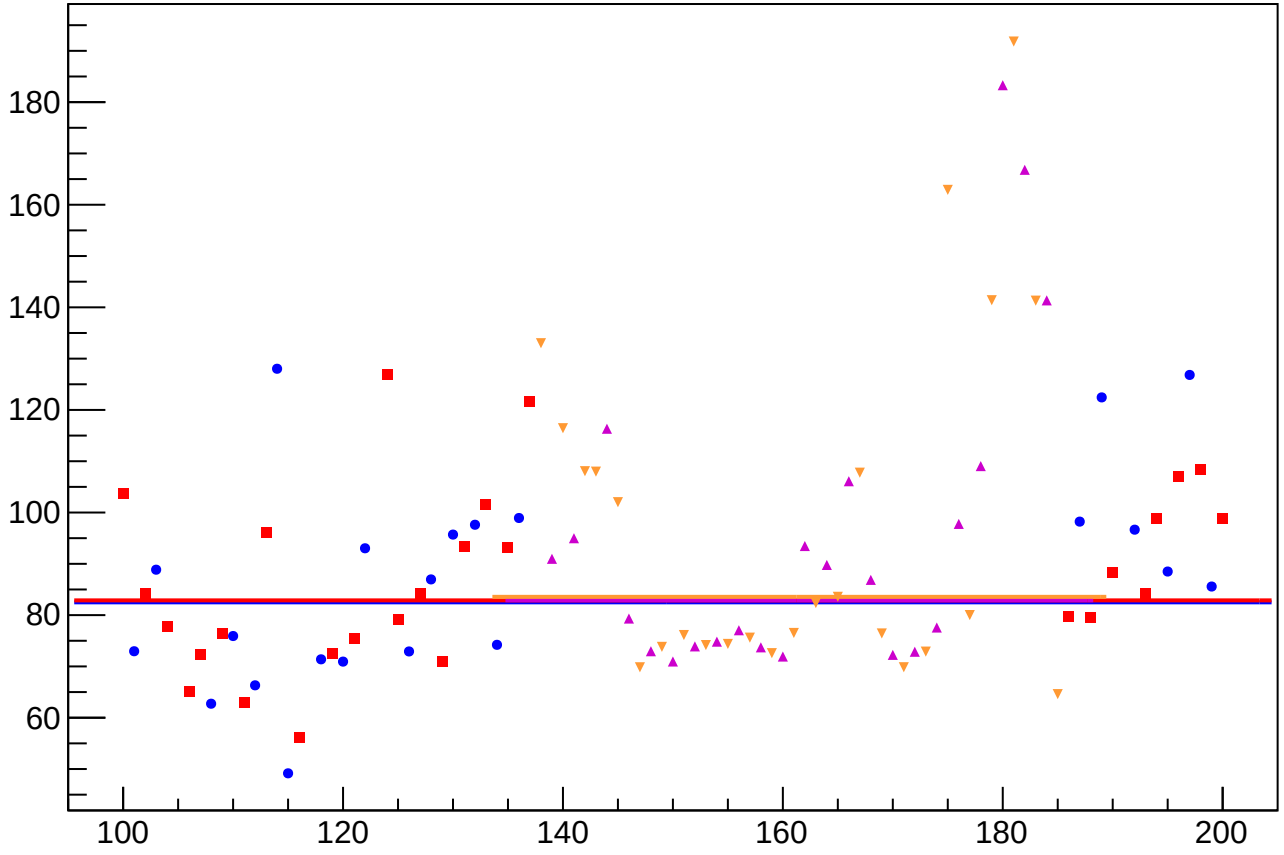
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.5/96

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

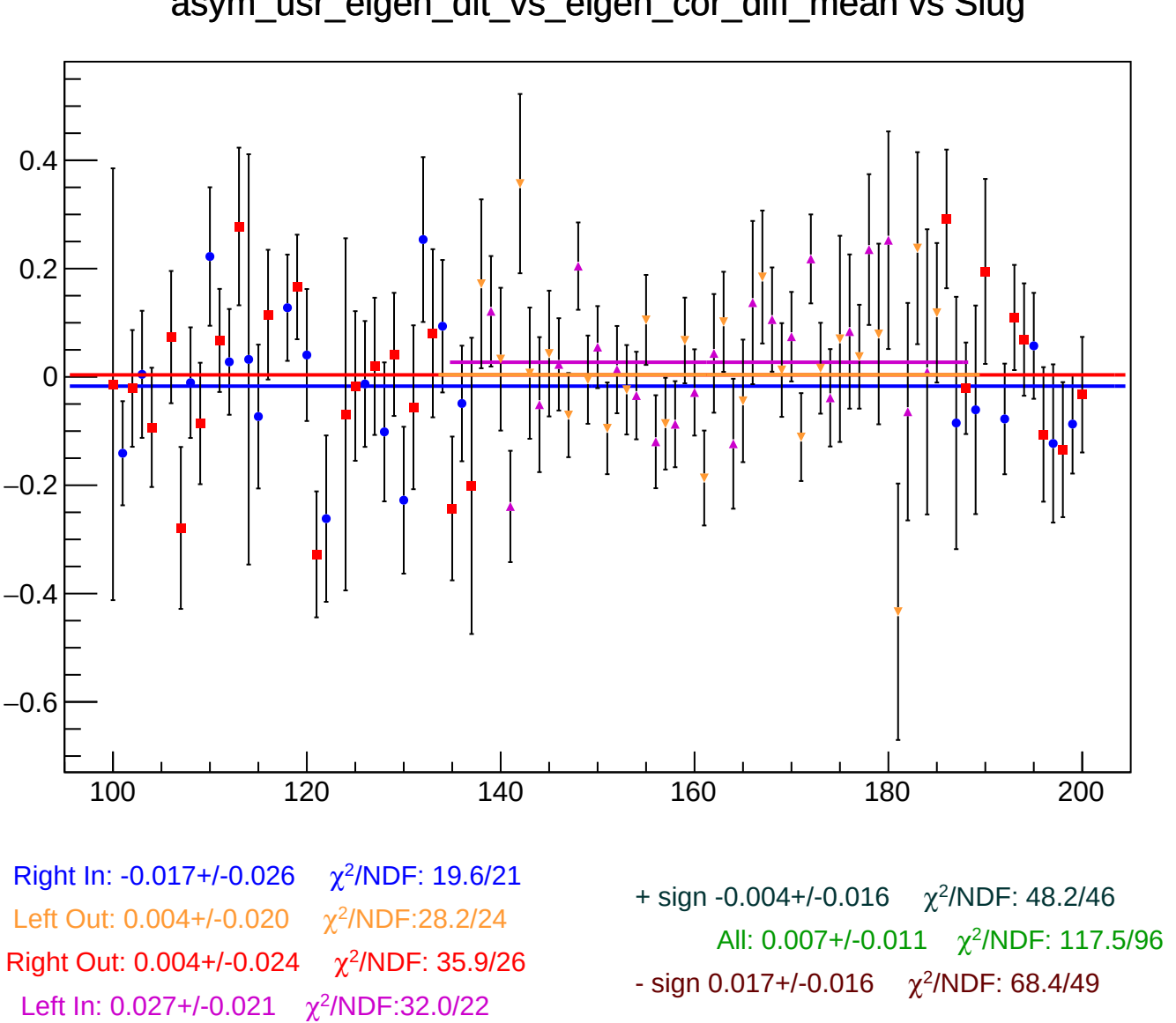
Right Out: 82.875+/-0.017 χ^2/NDF: 711193.1/26

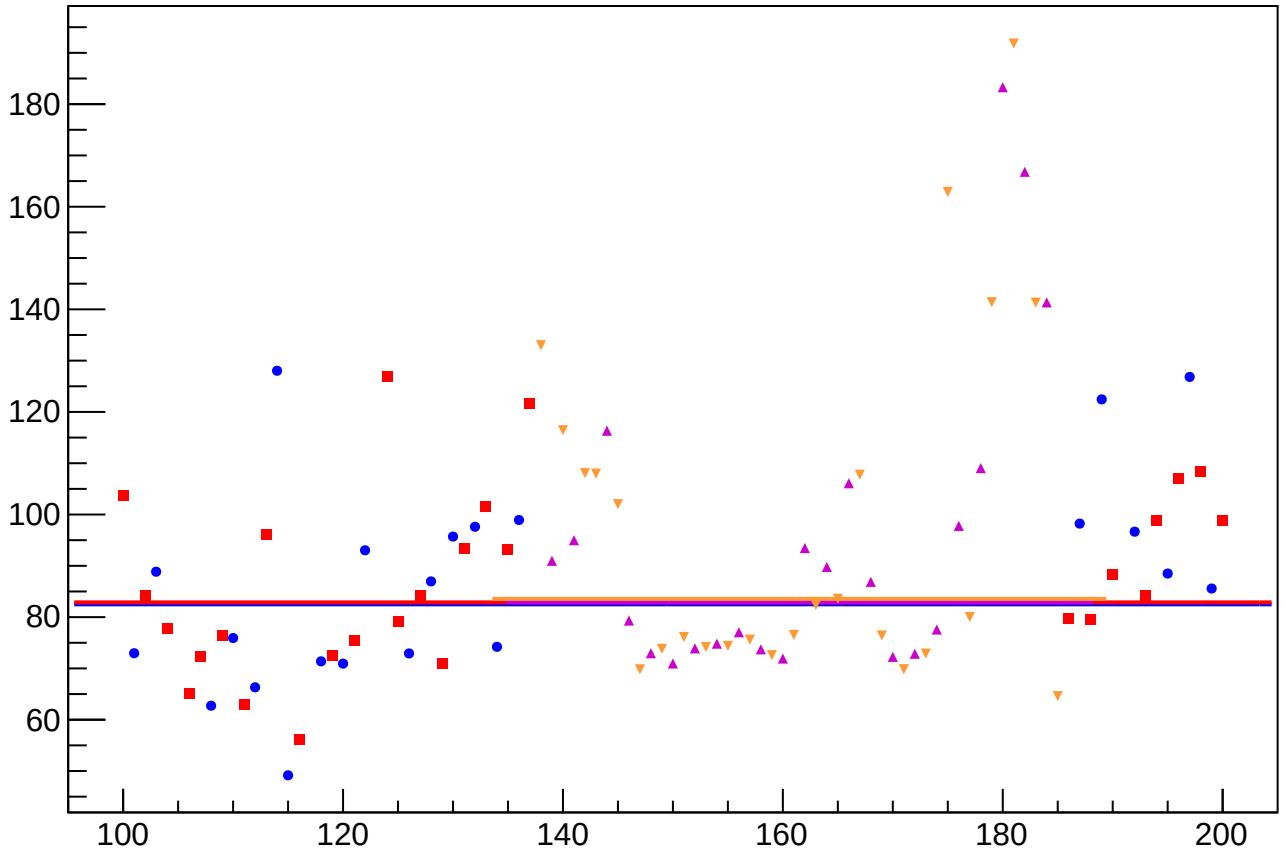
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.152+/-0.011 χ^2/NDF: 2982712.4/46

All: 83.015+/-0.008 χ^2/NDF: 5267177.8/96

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


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.017+/-0.026 χ²/NDF: 19.6/21
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.004+/-0.024 χ²/NDF: 35.9/26
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.004+/-0.016 χ²/NDF: 48.2/46
All: 0.007+/-0.011 χ²/NDF: 117.5/96
- sign 0.017+/-0.016 χ²/NDF: 68.4/49



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

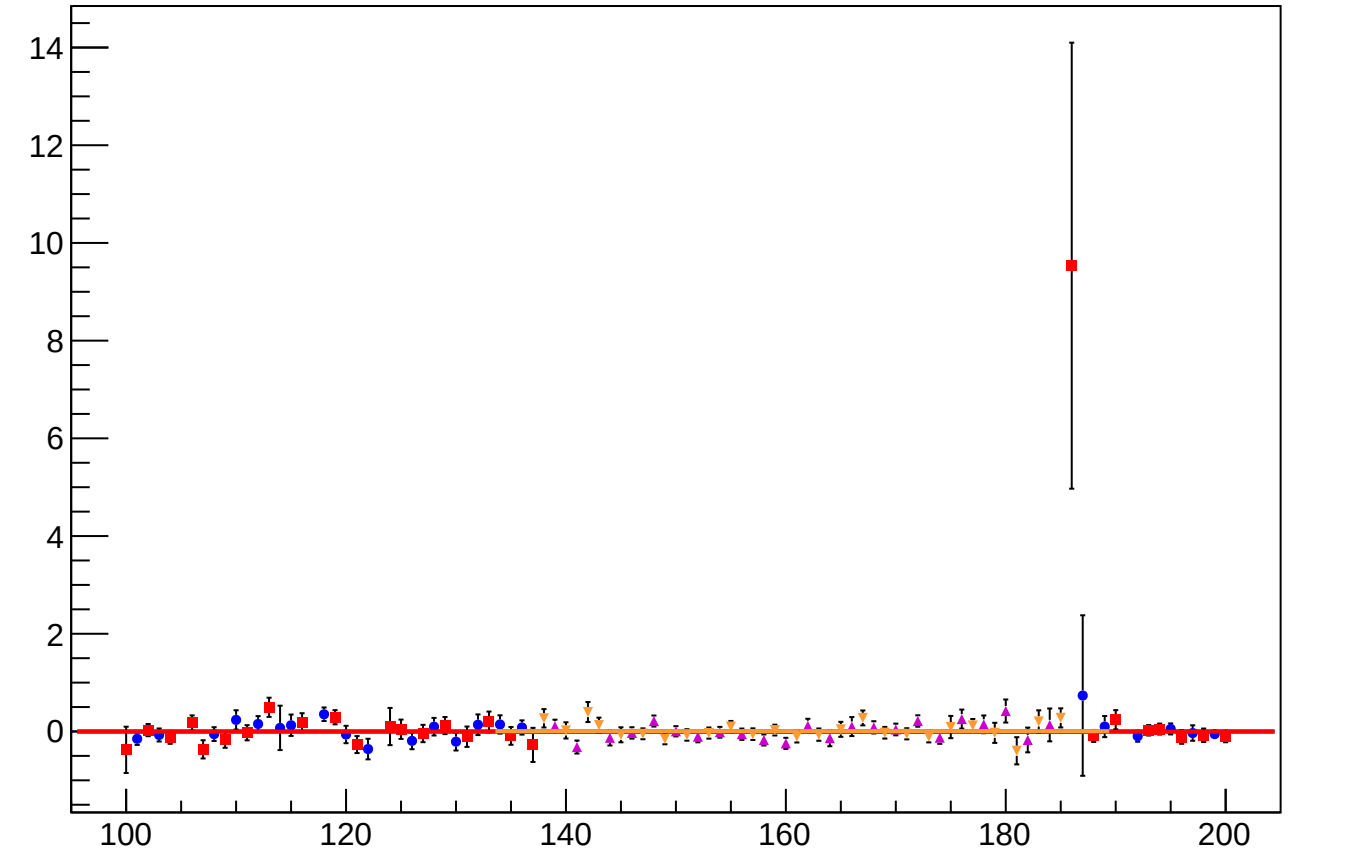
Right Out: 82.875+/-0.017 χ^2/NDF: 711193.1/26

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

+ sign 83.152+/-0.011 χ^2/NDF: 2982712.4/46

All: 83.015+/-0.008 χ^2/NDF: 5267177.8/96

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



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.031 χ^2/NDF: 32.2/26

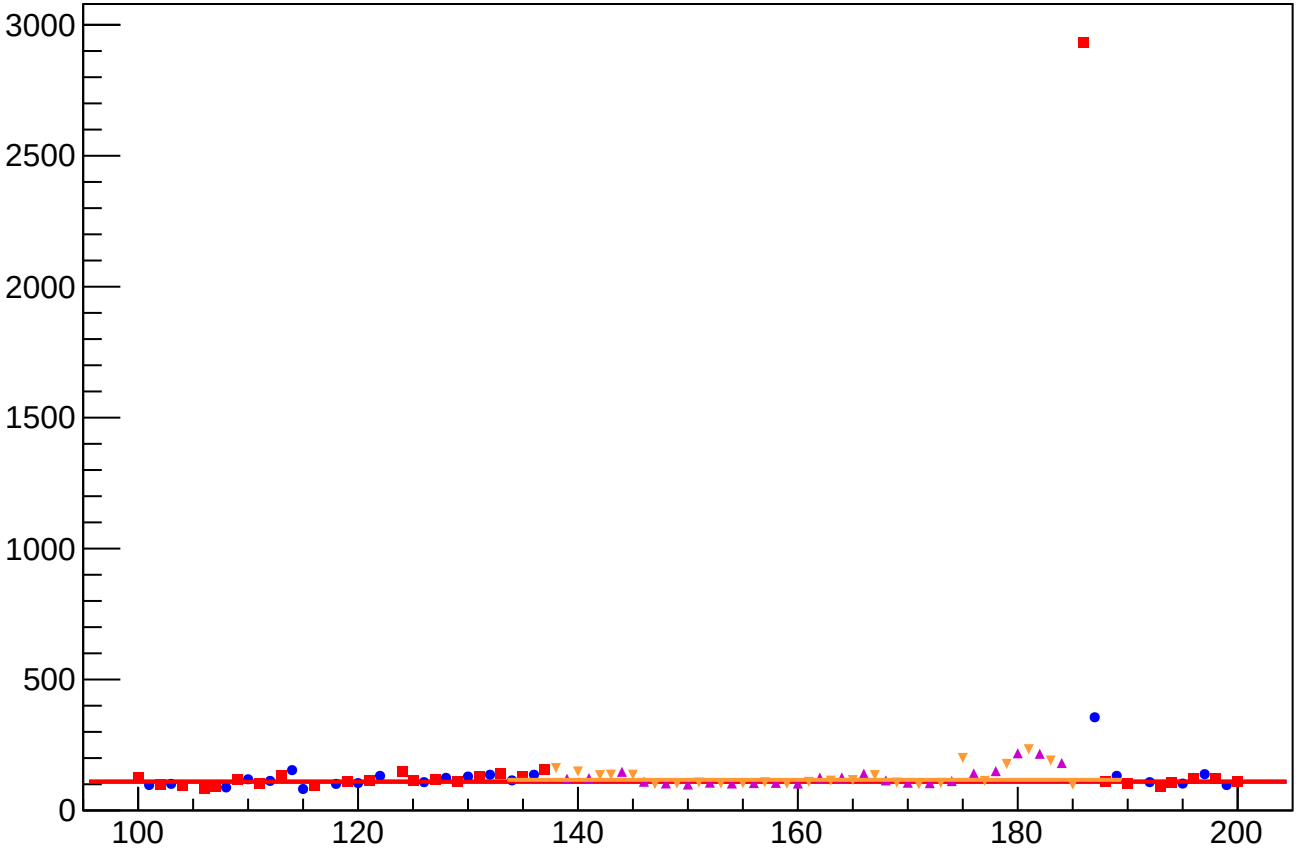
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.004+/-0.021 χ^2/NDF: 41.3/46

All: -0.002+/-0.015 χ^2/NDF: 105.0/96

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

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.168+/-0.024 χ^2/NDF: 472568.5/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

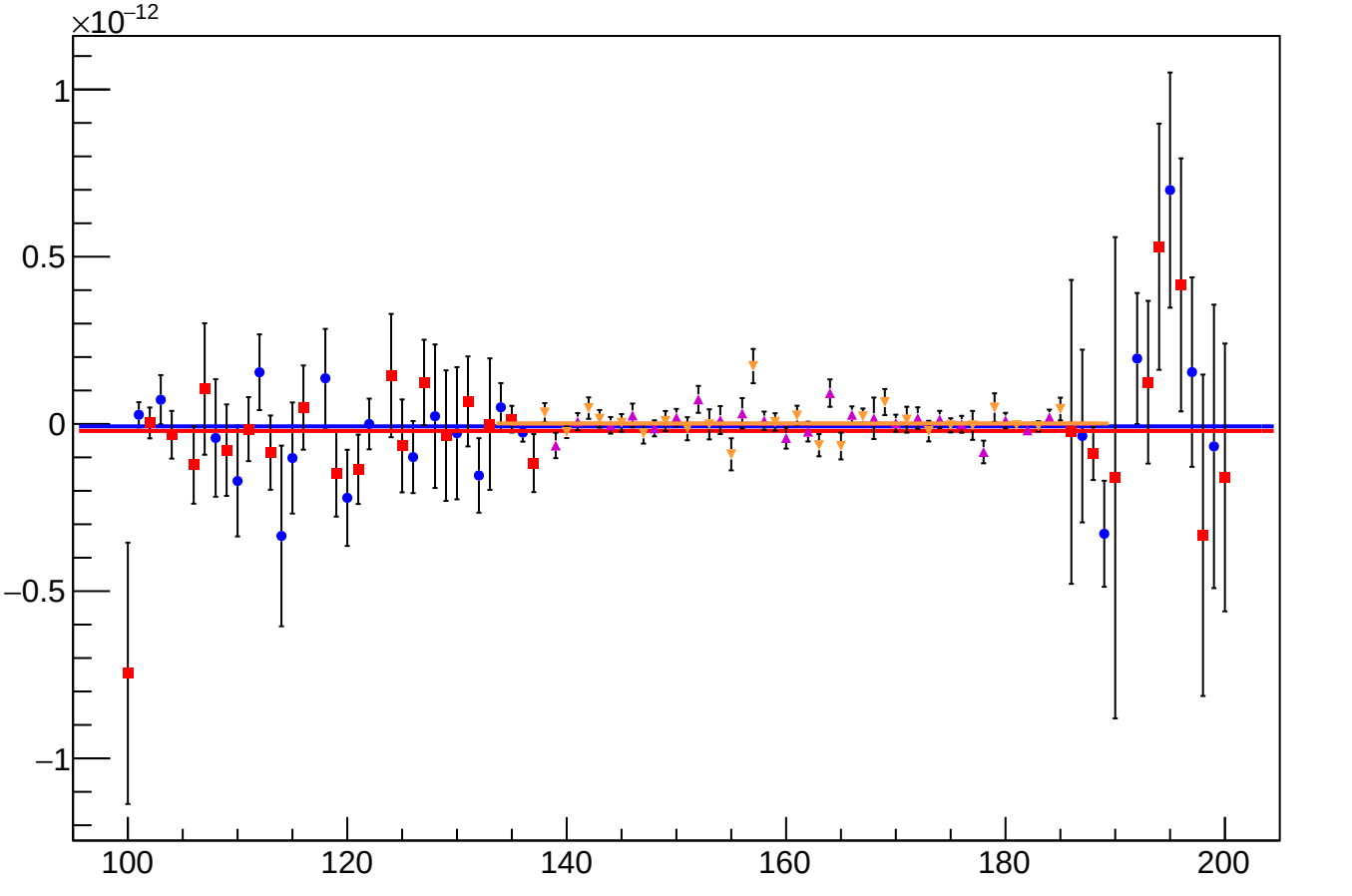
Right Out: 109.687+/-0.022 χ^2/NDF: 1170618.4/26

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

+ sign 114.182+/-0.015 χ^2/NDF: 2116485.5/46

All: 113.627+/-0.011 χ^2/NDF: 4564032.2/96

- sign 113.098+/-0.015 χ^2/NDF: 2444932.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

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

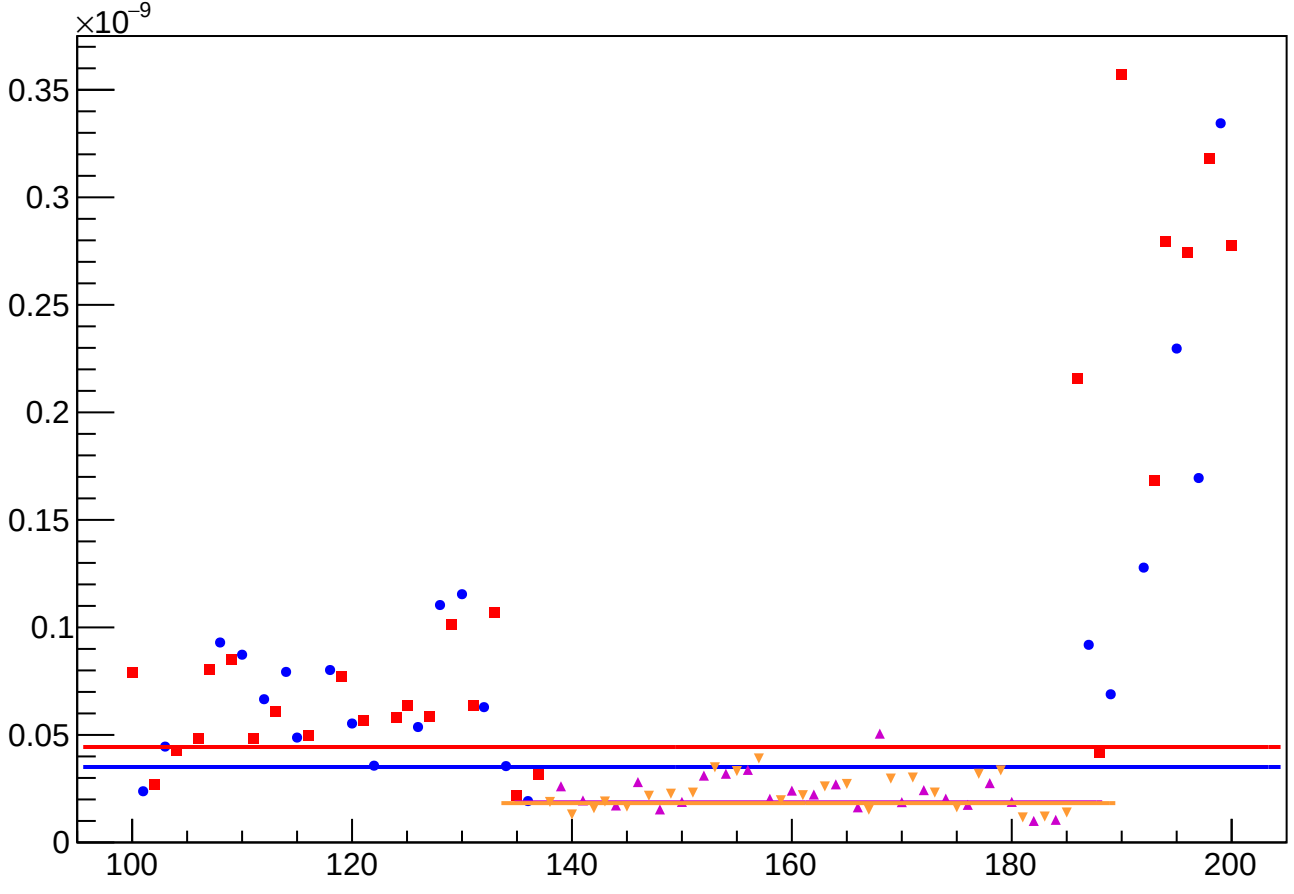
Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/26

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/46

All: -0.000+/-0.000 χ^2/NDF: 105.7/96

- sign -0.000+/-0.000 χ^2/NDF: 45.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 5214624.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

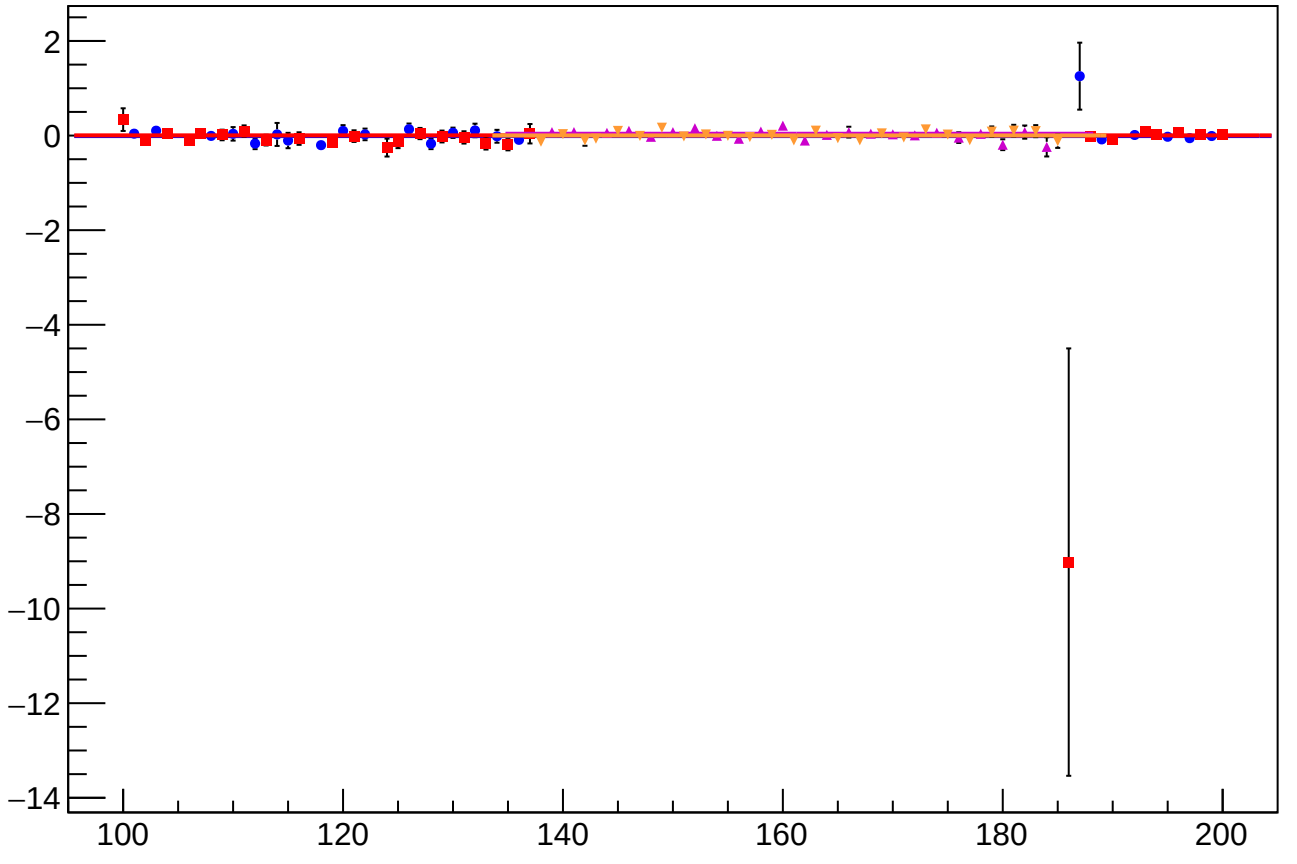
Right Out: 0.000+/-0.000 χ^2/NDF: 6008485.9/26

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

+ sign 0.000+/-0.000 χ^2/NDF: 9904899.8/46

All: 0.000+/-0.000 χ^2/NDF: 21847113.4/96

- sign 0.000+/-0.000 χ^2/NDF: 11919293.6/49



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.004+/-0.014 χ^2/NDF: 33.1/26

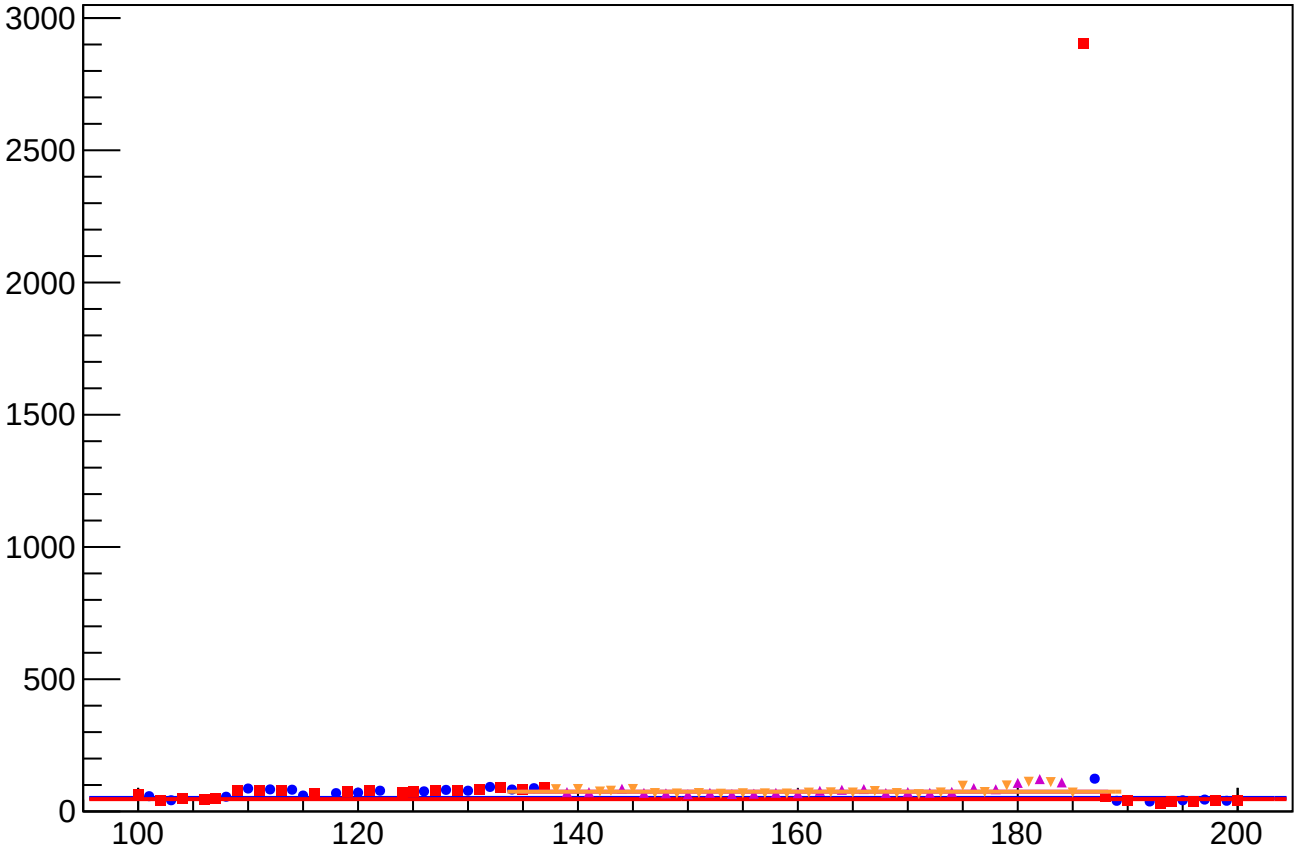
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/46

All: 0.007+/-0.008 χ^2/NDF: 103.1/96

- sign 0.018+/-0.011 χ^2/NDF: 56.9/49

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

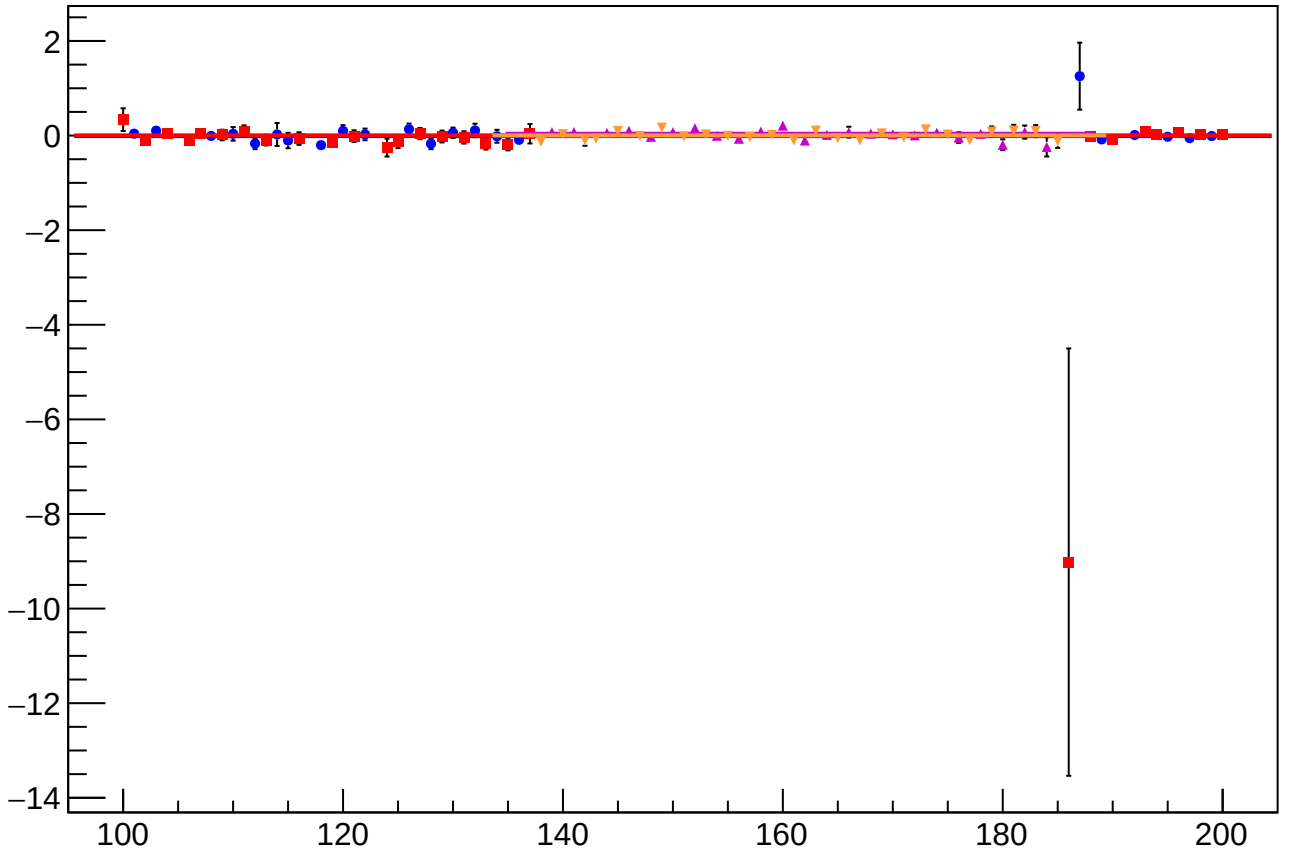
Right Out: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 62.149+/-0.008 χ^2/NDF: 4783207.4/46

All: 59.589+/-0.006 χ^2/NDF: 12227546.8/96

- sign 57.367+/-0.008 χ^2/NDF: 7271634.8/49



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.004+/-0.014 χ^2/NDF: 33.1/26

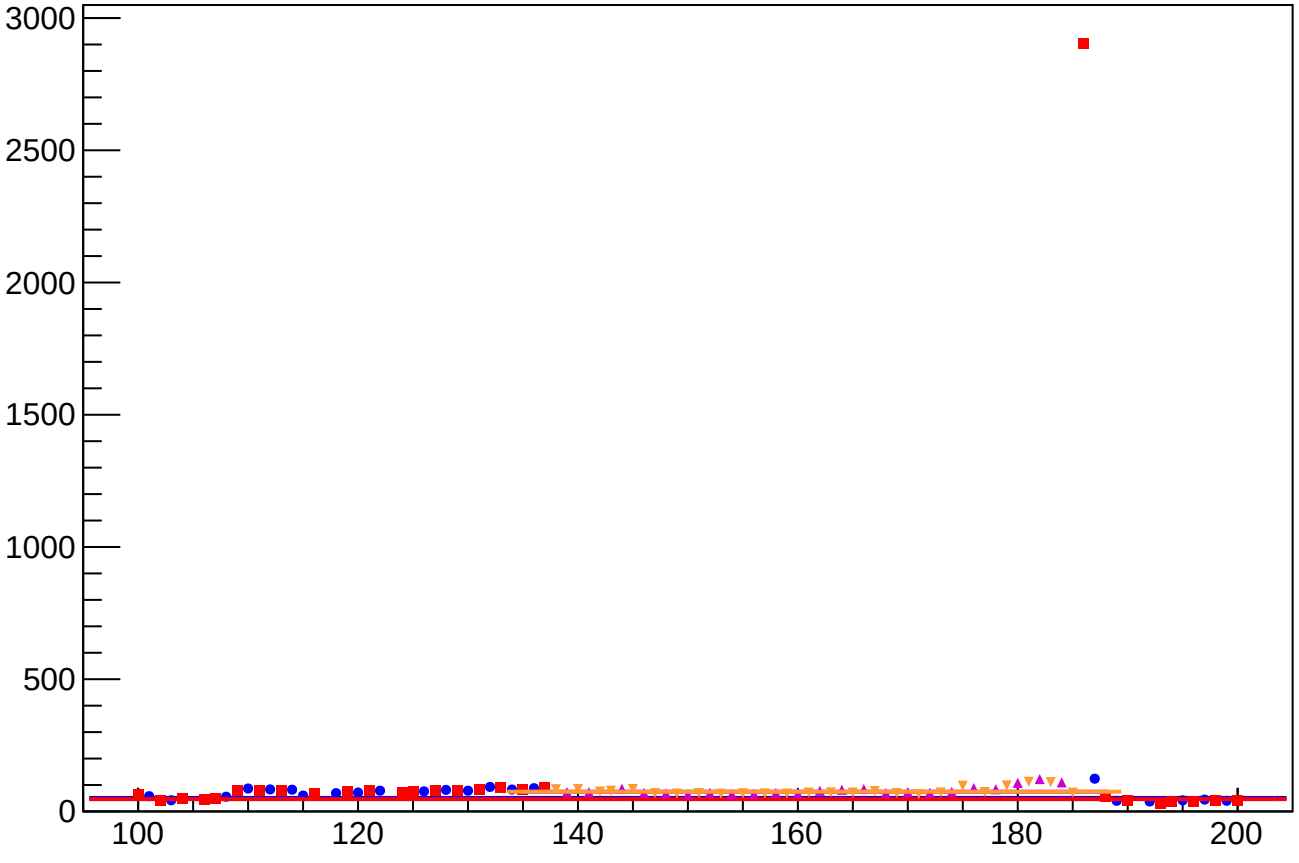
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/46

All: 0.007+/-0.008 χ^2/NDF: 103.1/96

- sign 0.018+/-0.011 χ^2/NDF: 56.9/49

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

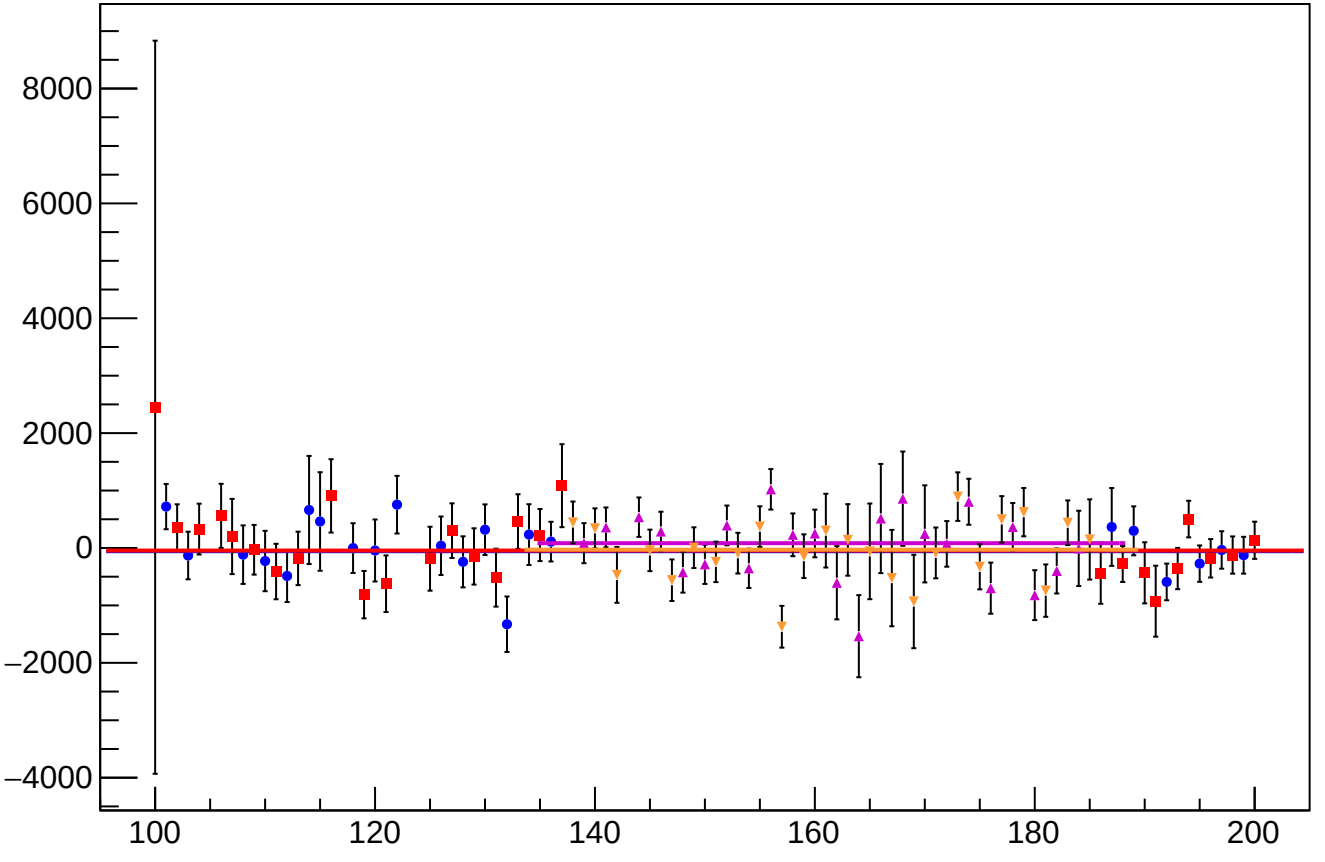
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 62.149+/-0.008 χ^2/NDF: 4783207.4/46

All: 59.589+/-0.006 χ^2/NDF: 12227546.8/96

- sign 57.367+/-0.008 χ^2/NDF: 7271634.8/49

asym_dsl_mean vs Slug



Right In: -56.068+/-92.566 χ^2/NDF: 21.3/21

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -44.971+/-85.797 χ^2/NDF: 24.2/26

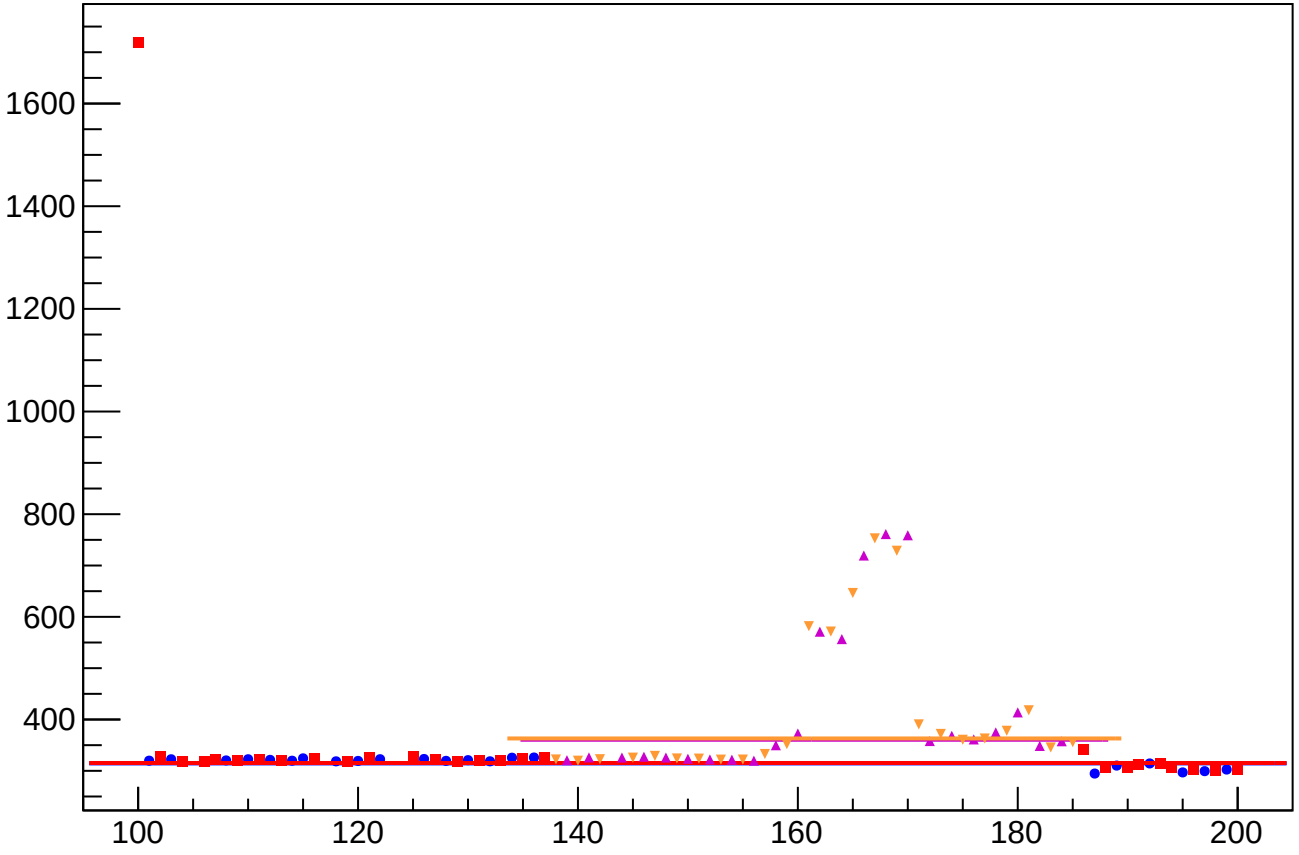
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -41.808+/-63.212 χ^2/NDF: 57.9/45

All: -10.343+/-43.860 χ^2/NDF: 119.6/95

- sign 18.867+/-60.906 χ^2/NDF: 61.2/49

asym_dsl_rms vs Slug



Right In: 314.469+/-0.065 χ^2/NDF: 23056.0/21

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 315.283+/-0.061 χ^2/NDF: 123225.0/26

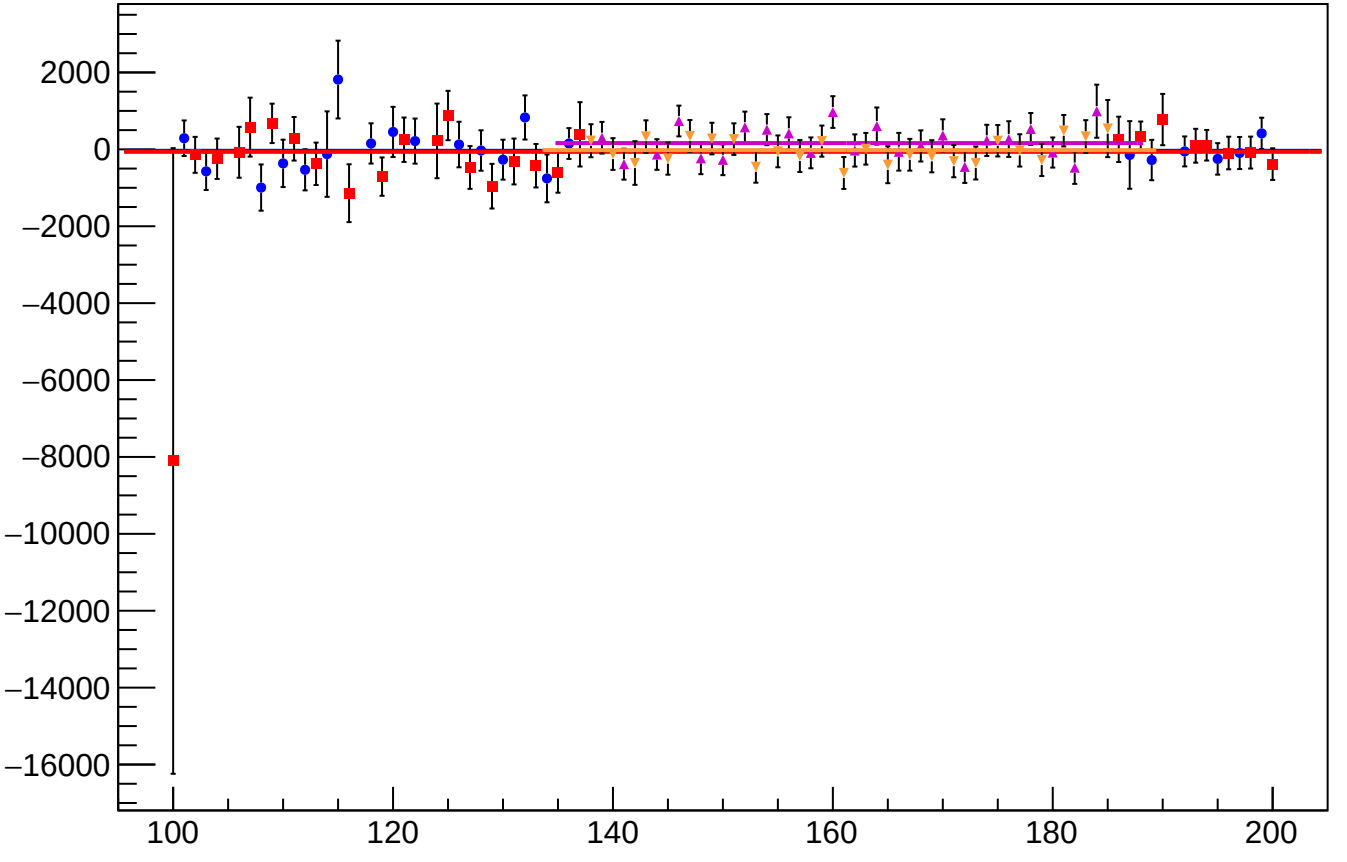
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 340.411+/-0.045 χ^2/NDF: 2112967.0/45

All: 339.034+/-0.031 χ^2/NDF: 4332320.3/95

- sign 337.756+/-0.043 χ^2/NDF: 2217523.7/49

asym_dsr_mean vs Slug



Right In: -38.155+/-111.986 χ^2/NDF: 15.5/21

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -64.751+/-104.130 χ^2/NDF: 19.5/26

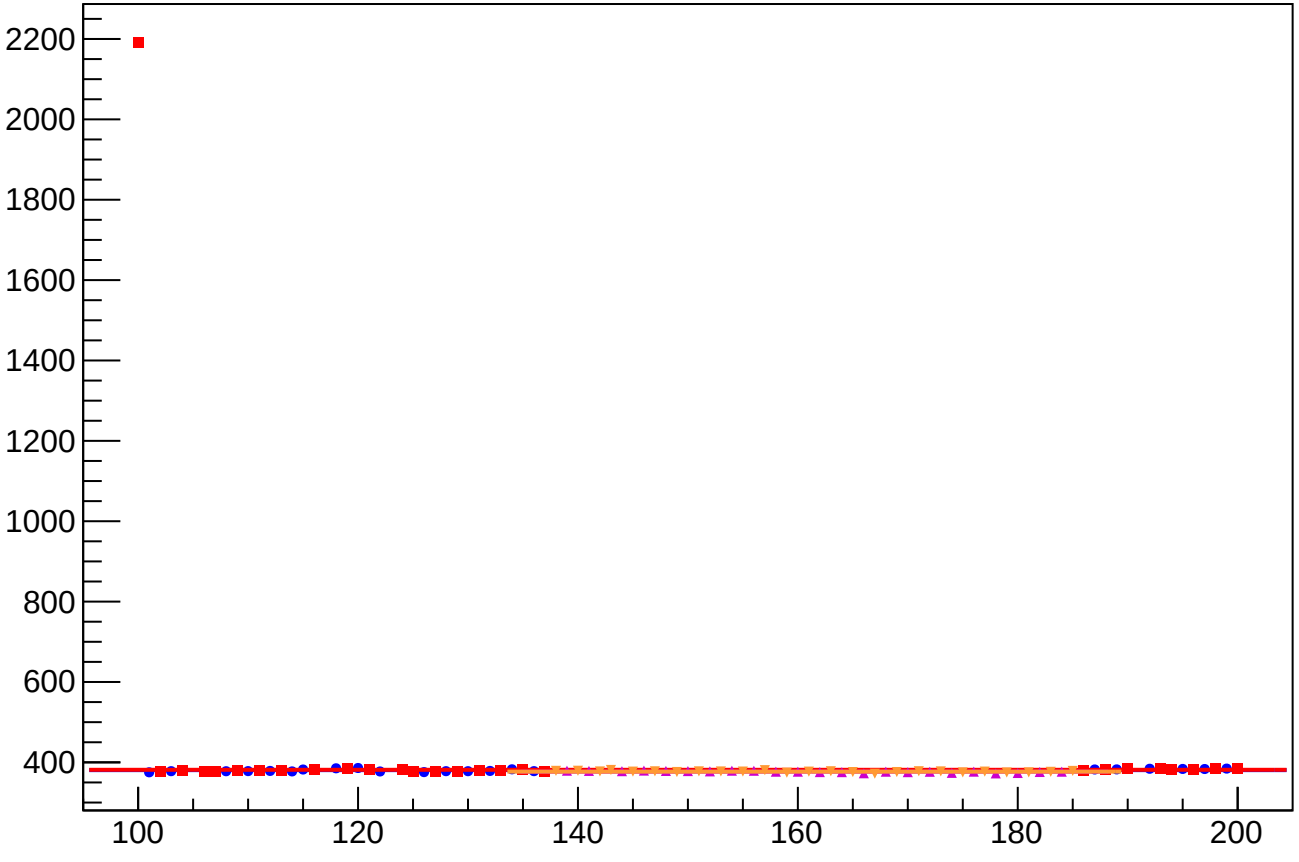
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -27.367+/-68.018 χ^2/NDF: 28.1/46

All: 20.946+/-47.807 χ^2/NDF: 73.1/96

- sign 68.117+/-67.209 χ^2/NDF: 44.0/49

asym_dsr_rms vs Slug



Right In: 380.647+/-0.079 χ^2/NDF: 1706.9/21

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.474+/-0.074 χ^2/NDF: 100416.0/26

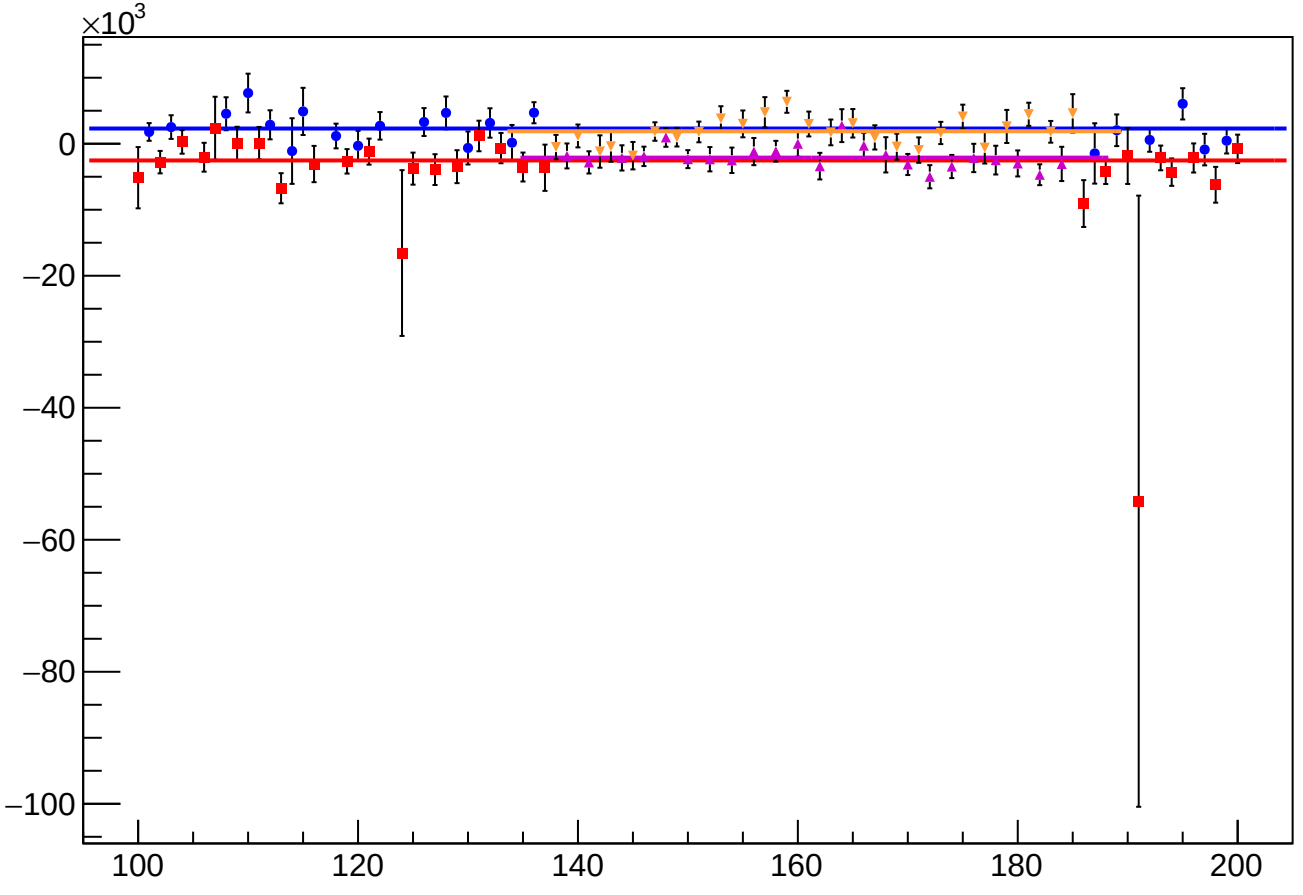
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.286+/-0.048 χ^2/NDF: 4173.7/46

All: 378.533+/-0.034 χ^2/NDF: 108020.7/96

- sign 378.774+/-0.048 χ^2/NDF: 103794.9/49

asym_us_agg_avg_mean vs Slug



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2532.137+/-455.370 χ^2/NDF: 24.2/27

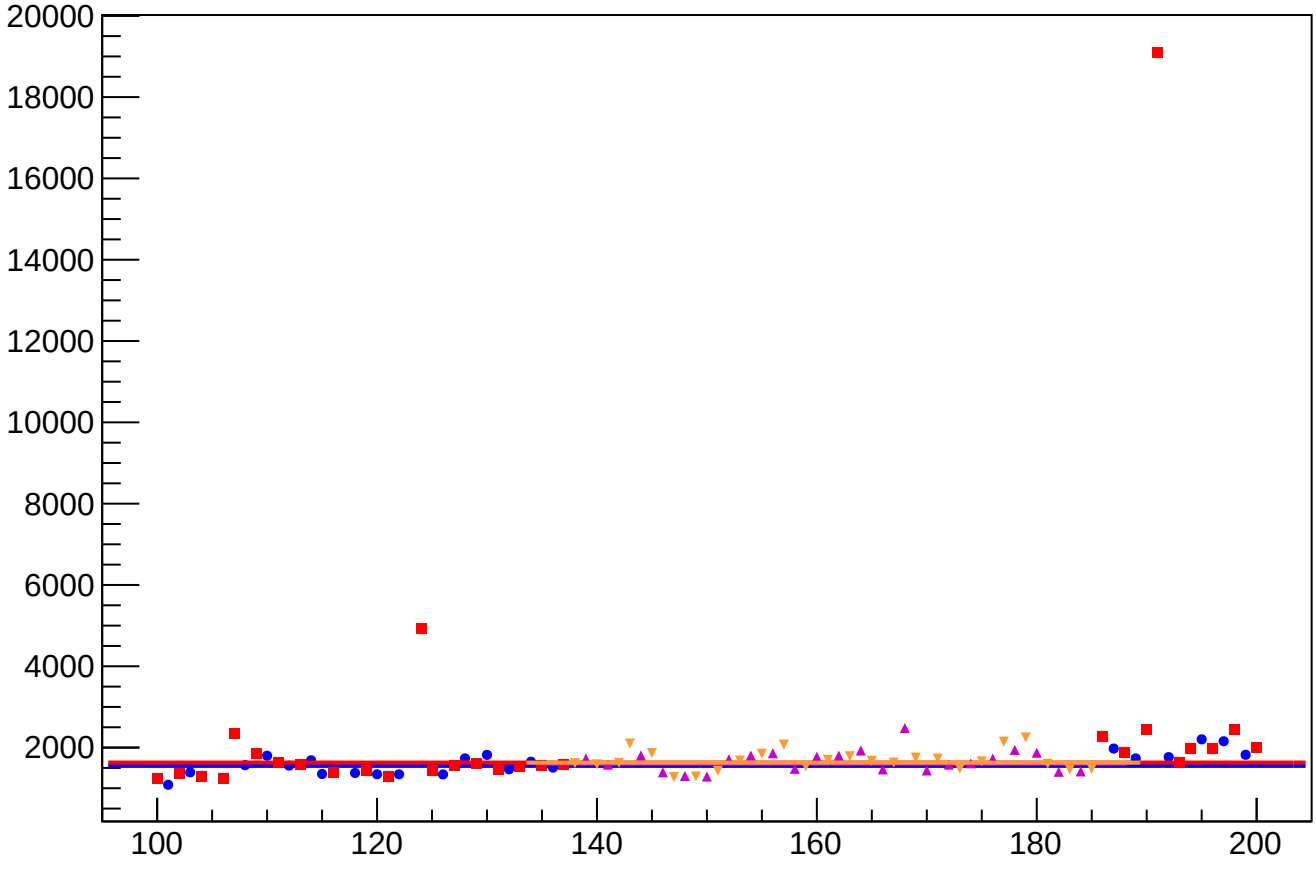
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2053.426+/-292.257 χ^2/NDF: 48.3/46

All: -120.214+/-206.328 χ^2/NDF: 201.9/97

- sign -2280.070+/-291.328 χ^2/NDF: 43.3/50

asym_us_agg_avg_rms vs Slug



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

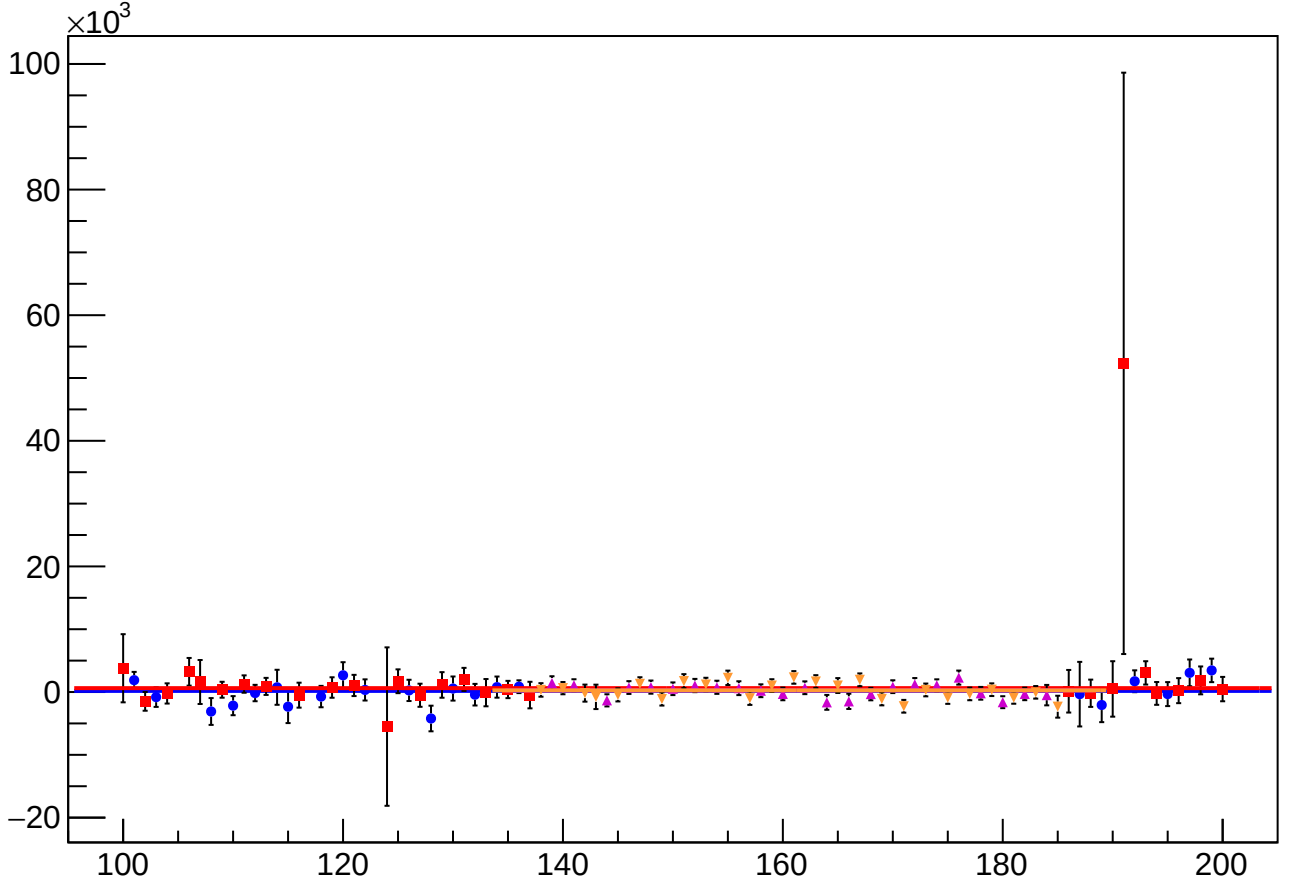
Right Out: 1631.918+/-0.322 χ^2/NDF: 1335026.3/27

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

+ sign 1597.524+/-0.207 χ^2/NDF: 1585460.9/46

All: 1605.762+/-0.146 χ^2/NDF: 3722650.6/97

- sign 1613.948+/-0.206 χ^2/NDF: 2134021.7/50



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 617.996+/-363.360 χ^2/NDF: 10.5/27

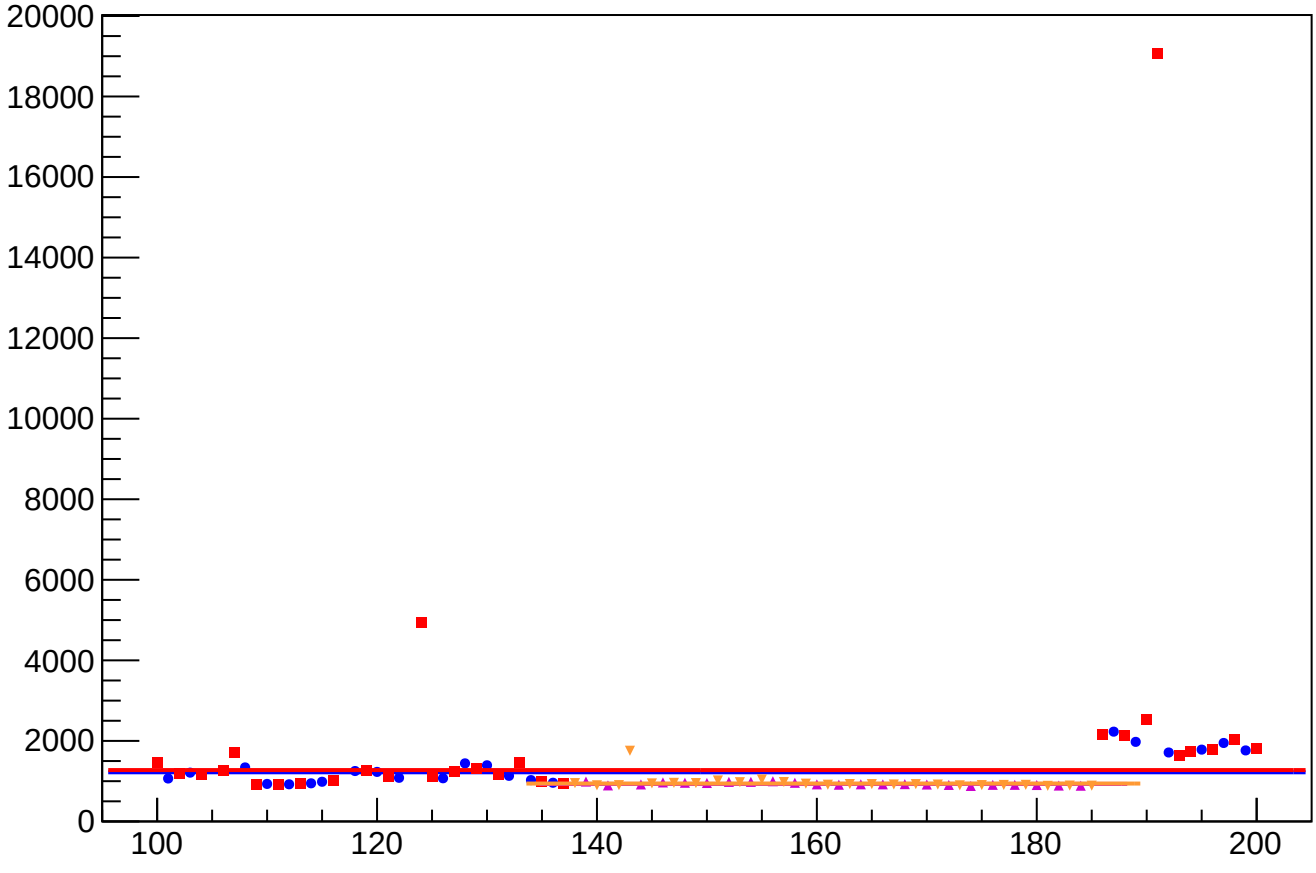
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 241.668+/-186.100 χ^2/NDF: 55.3/46

All: 300.505+/-131.818 χ^2/NDF: 88.0/97

- sign 359.747+/-186.738 χ^2/NDF: 32.5/50

asym_us_agg_dd_rms vs Slug



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1275.808+/-0.257 χ^2/NDF: 2491531.8/27

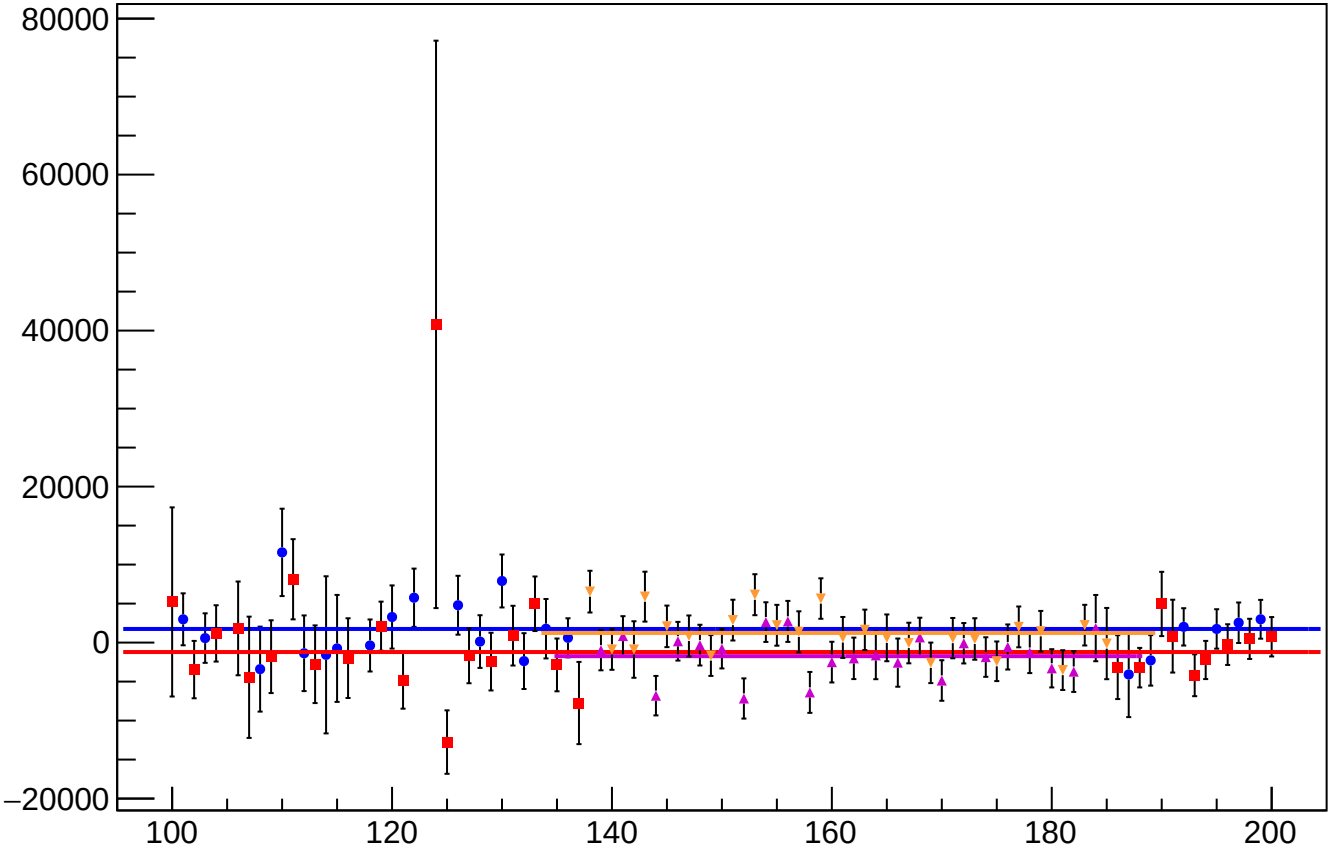
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1011.094+/-0.132 χ^2/NDF: 2709502.6/46

All: 1016.769+/-0.093 χ^2/NDF: 6574685.5/97

- sign 1022.483+/-0.132 χ^2/NDF: 3861450.5/50

reg_asym_atl1_mean vs Slug



Right In: 1746.171+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1210.970+/-688.271 χ^2/NDF: 27.7/27

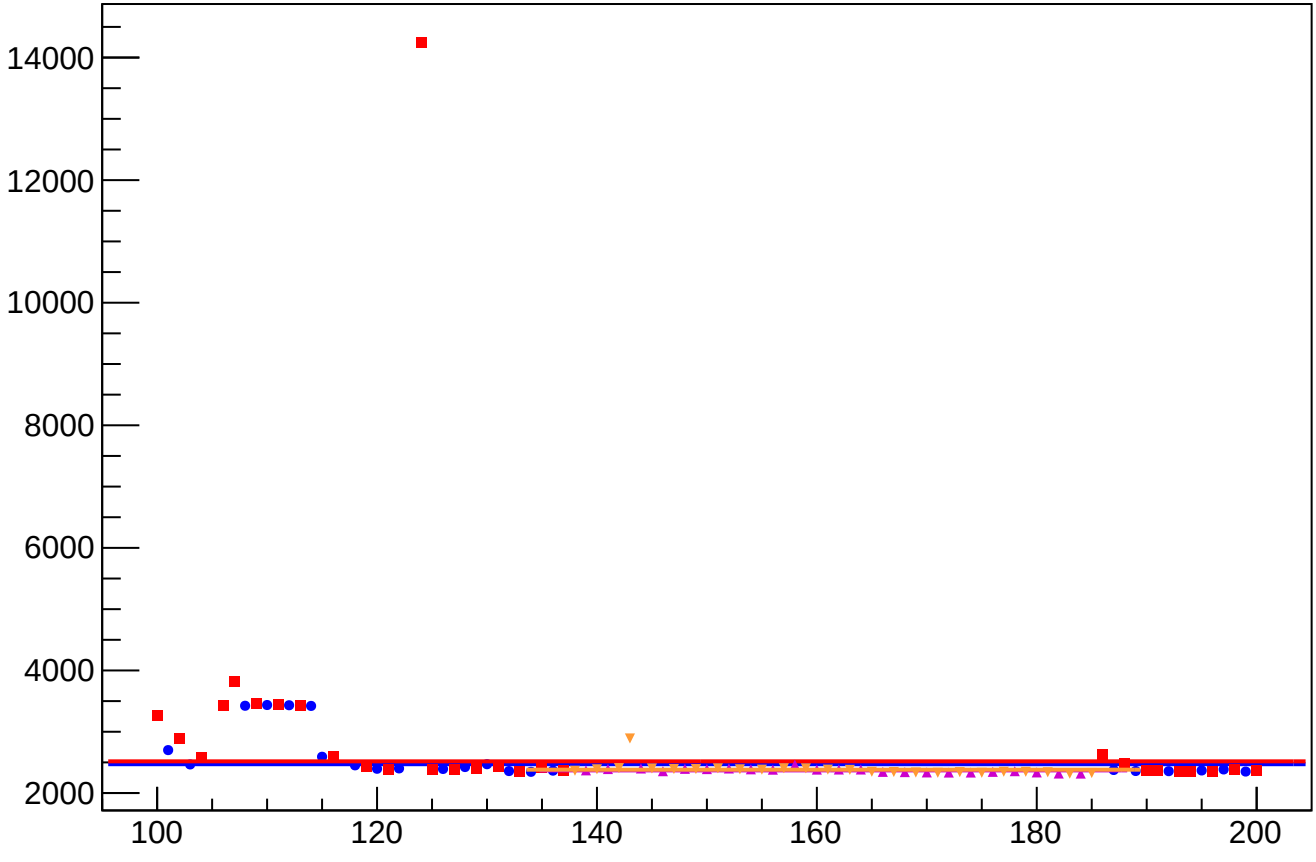
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.877+/-434.992 χ^2/NDF: 39.5/46

All: -71.631+/-306.241 χ^2/NDF: 115.1/97

- sign -1533.396+/-431.212 χ^2/NDF: 52.4/50

reg_asym_atl1_rms vs Slug



Right In: 2470.435+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2517.217+/-0.487 χ^2/NDF: 614599.6/27

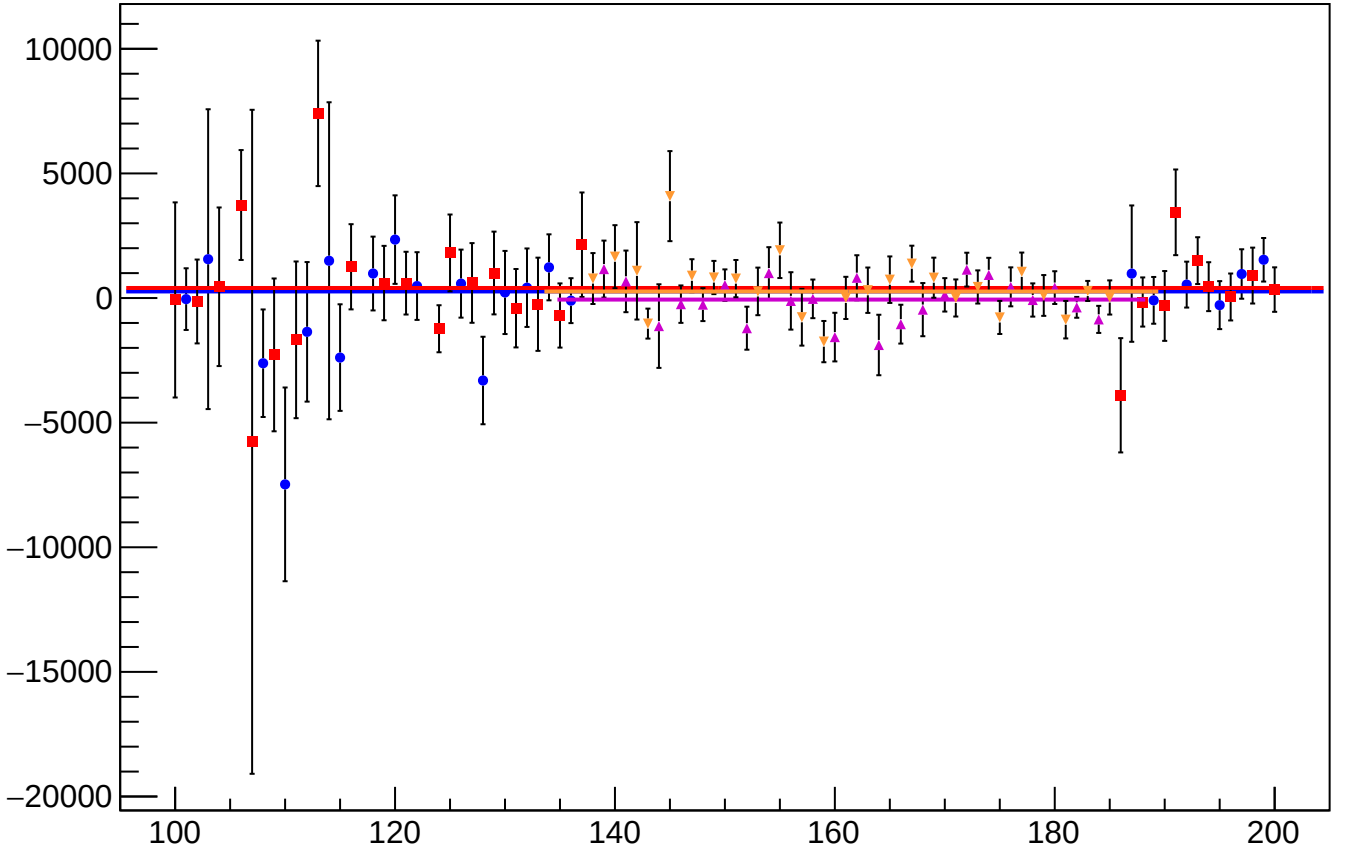
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2420.184+/-0.217 χ^2/NDF: 1010855.3/97

- sign 2427.411+/-0.305 χ^2/NDF: 677684.5/50

asym_atl1_reg_correction_mean vs Slug



Right In: 264.453+/-289.554 χ^2/NDF: 17.5/21

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 403.338+/-270.047 χ^2/NDF: 24.6/27

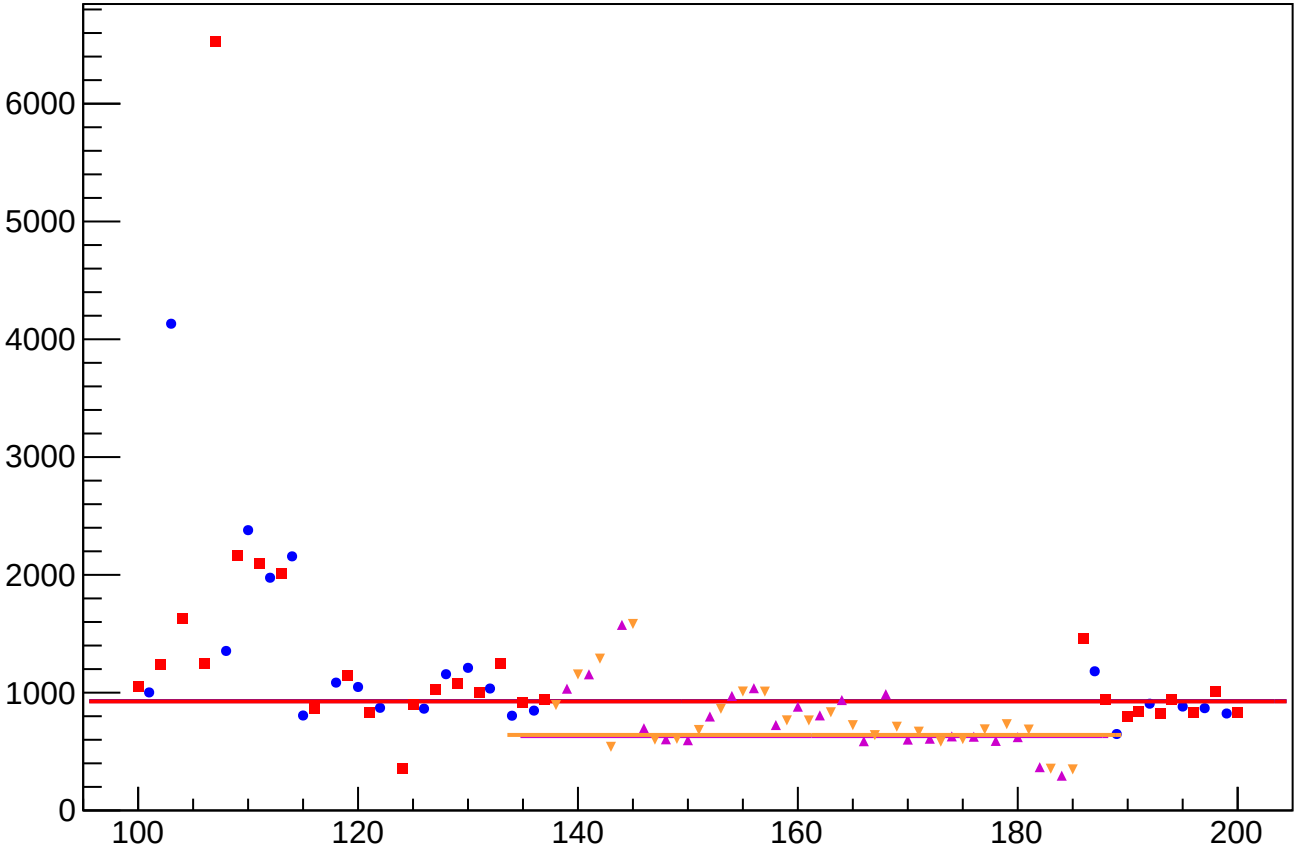
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 262.445+/-135.972 χ^2/NDF: 48.7/46

All: 159.242+/-96.151 χ^2/NDF: 98.7/97

- sign 56.023+/-135.983 χ^2/NDF: 48.8/50

asym_atl1_reg_correction_rms vs Slug



Right In: 927.982+/-0.205 χ^2/NDF: 1702379.3/21

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 925.793+/-0.191 χ^2/NDF: 2537102.0/27

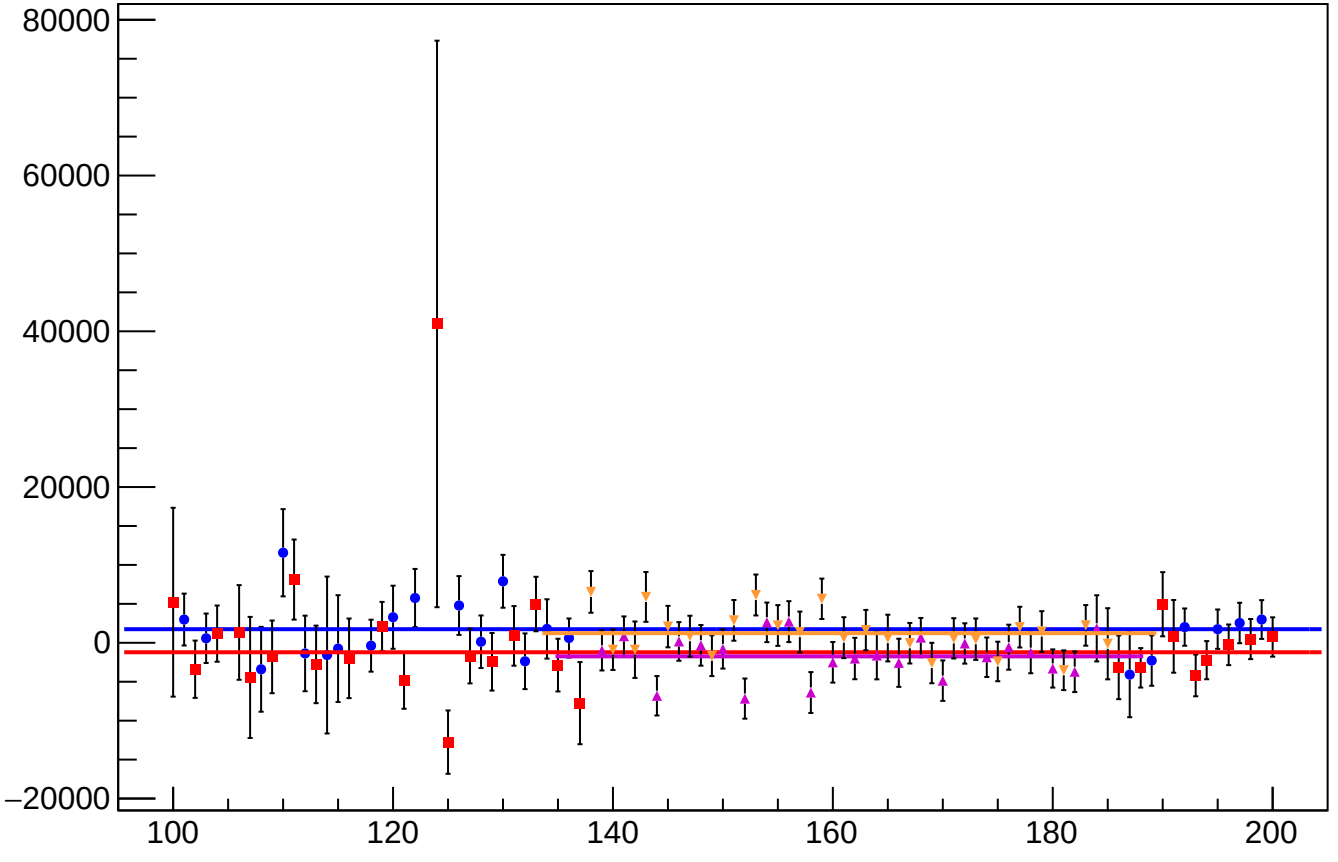
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 704.406+/-0.096 χ^2/NDF: 6706971.2/46

All: 705.152+/-0.068 χ^2/NDF: 14996242.4/97

- sign 705.897+/-0.096 χ^2/NDF: 8289151.0/50

cor_asym_atl1_mean vs Slug



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1215.674+/-688.374 χ^2/NDF: 27.6/27

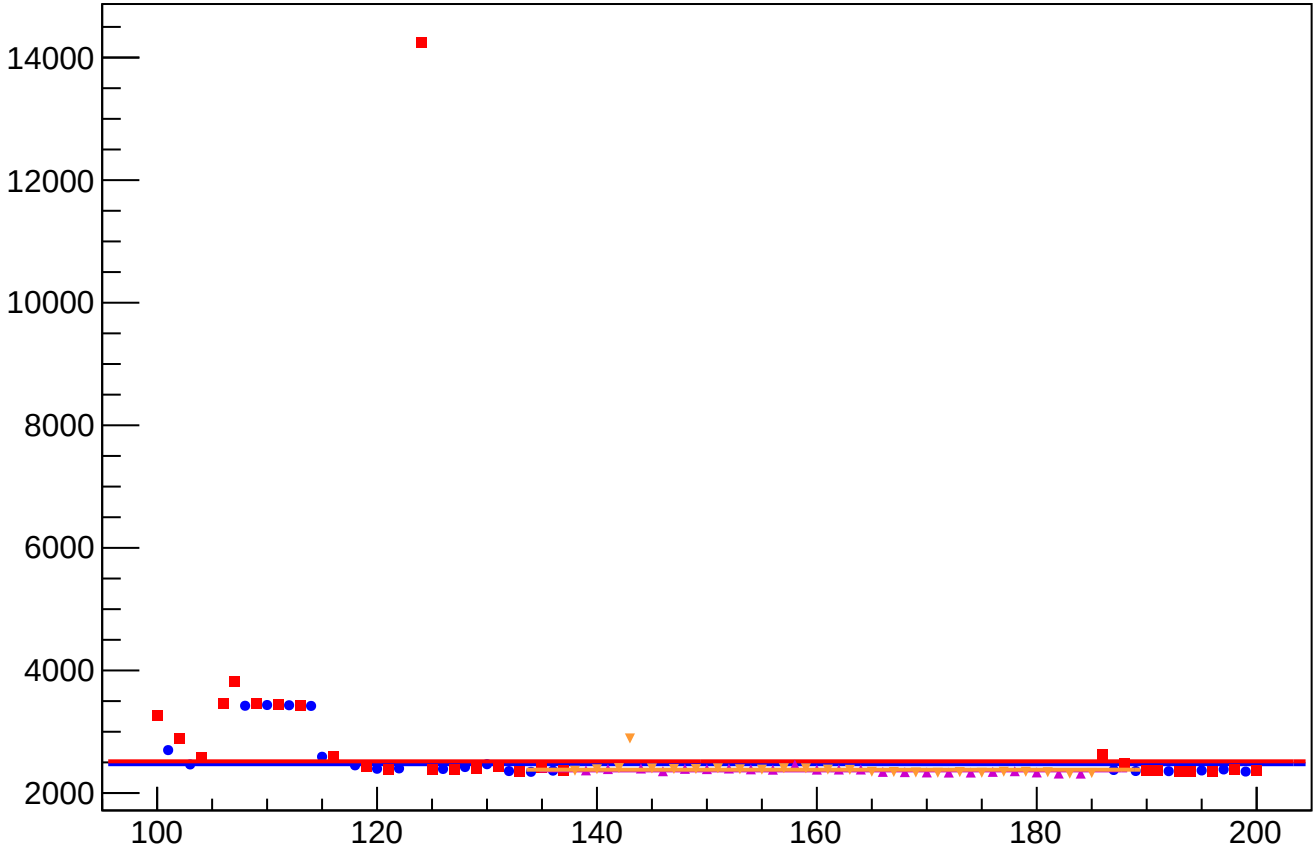
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.950+/-434.992 χ^2/NDF: 39.5/46

All: -72.476+/-306.250 χ^2/NDF: 115.0/97

- sign -1535.312+/-431.237 χ^2/NDF: 52.3/50

cor_asym_atl1_rms vs Slug



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

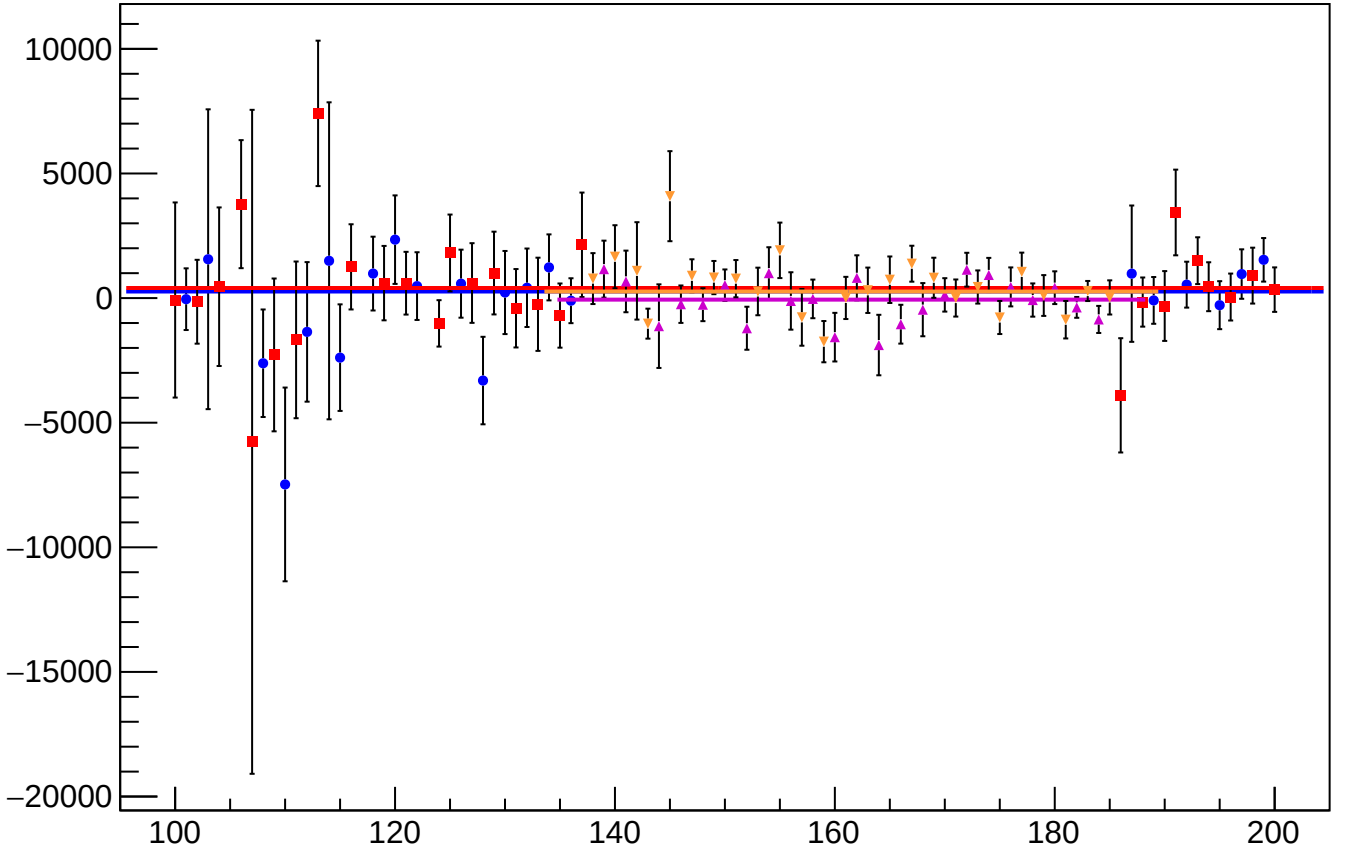
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2420.224+/-0.217 χ^2/NDF: 1013890.2/97

- sign 2427.493+/-0.305 χ^2/NDF: 680706.8/50

asym_atl1_cor_correction_mean vs Slug



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 404.899+/-270.288 χ^2/NDF: 23.4/27

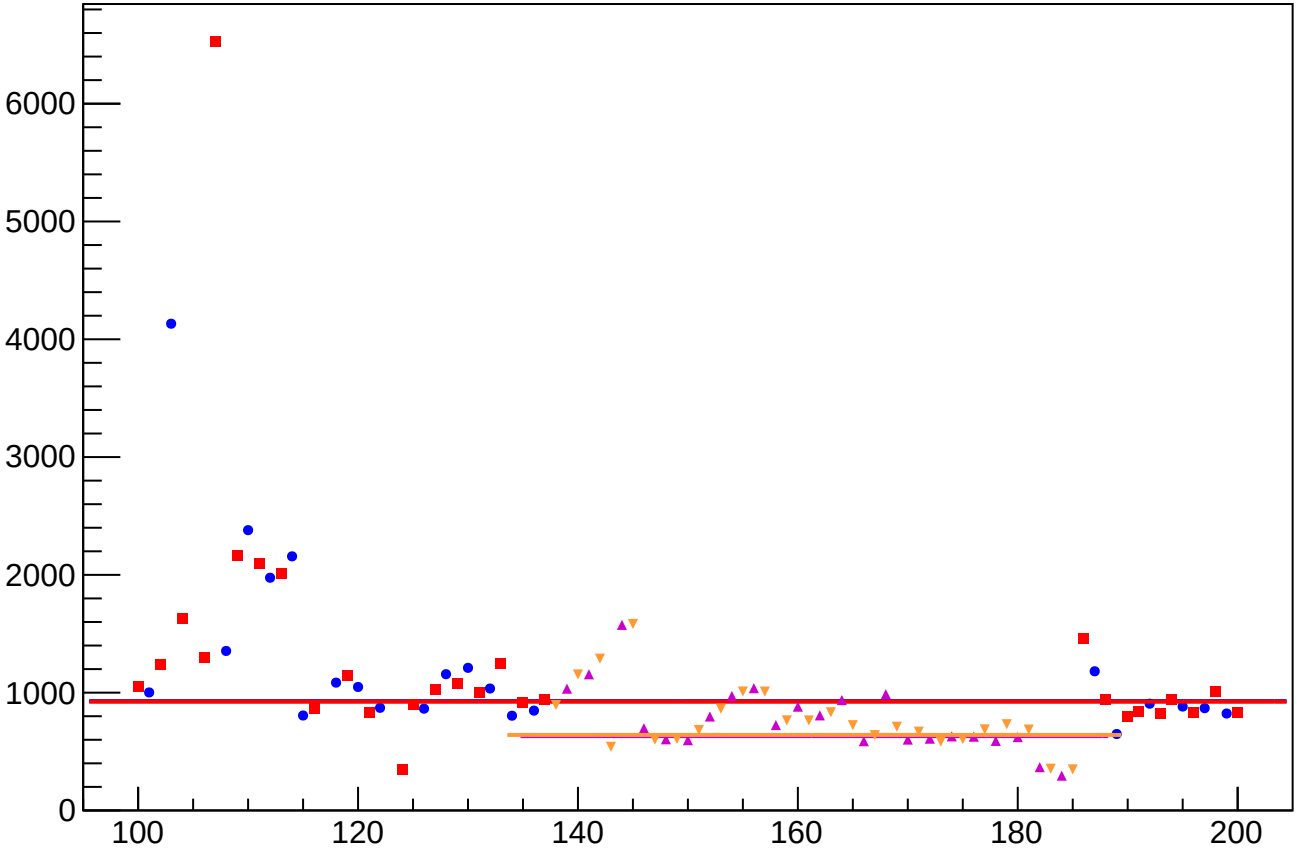
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.657+/-135.974 χ^2/NDF: 48.7/46

All: 159.483+/-96.162 χ^2/NDF: 97.4/97

- sign 56.249+/-136.013 χ^2/NDF: 47.6/50

asym_atl1_cor_correction_rms vs Slug



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

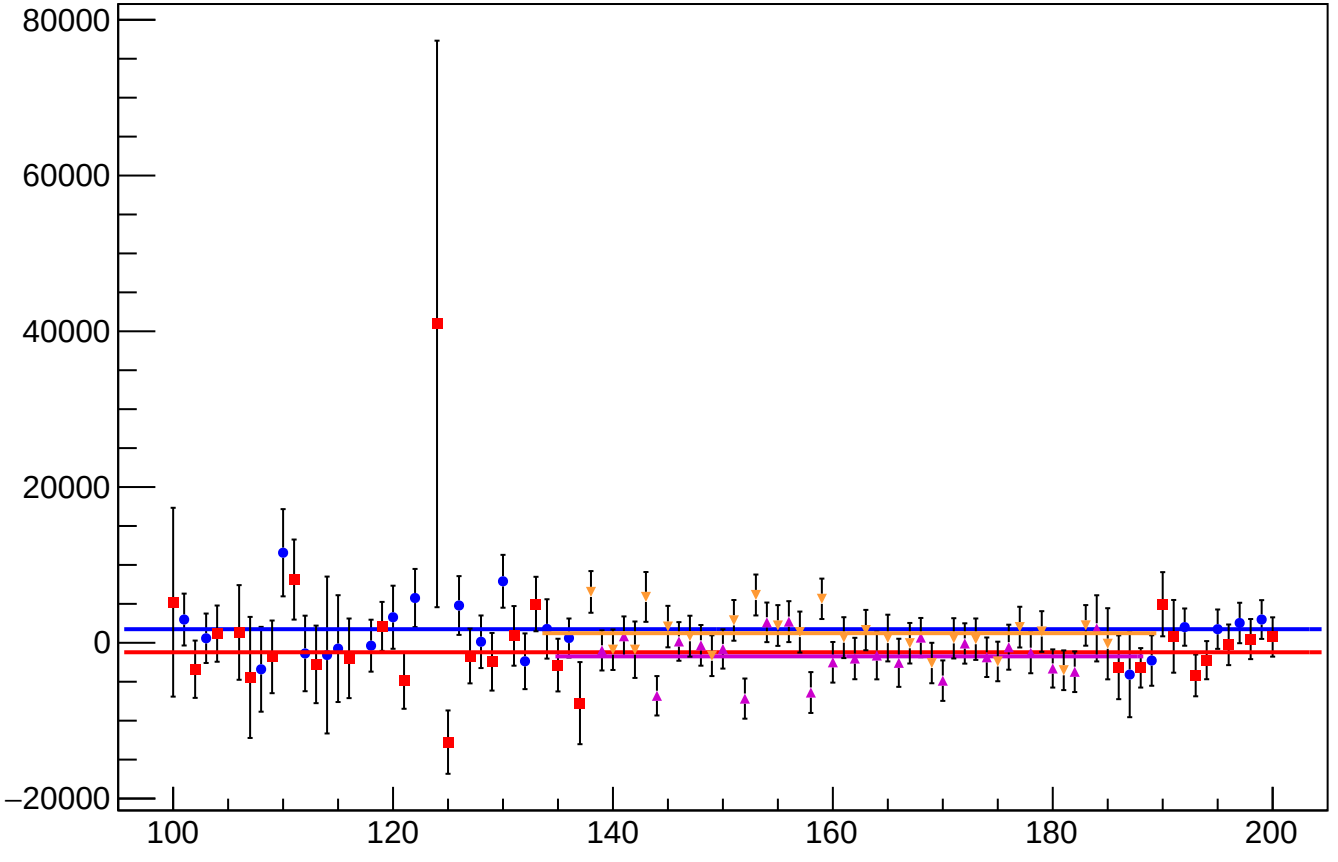
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 704.418+/-0.096 χ^2/NDF: 6706521.0/46

All: 704.807+/-0.068 χ^2/NDF: 14995386.7/97

- sign 705.196+/-0.096 χ^2/NDF: 8288833.0/50

eigen_cor_asym_atl1_mean vs Slug



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1215.674+/-688.374 χ^2/NDF: 27.6/27

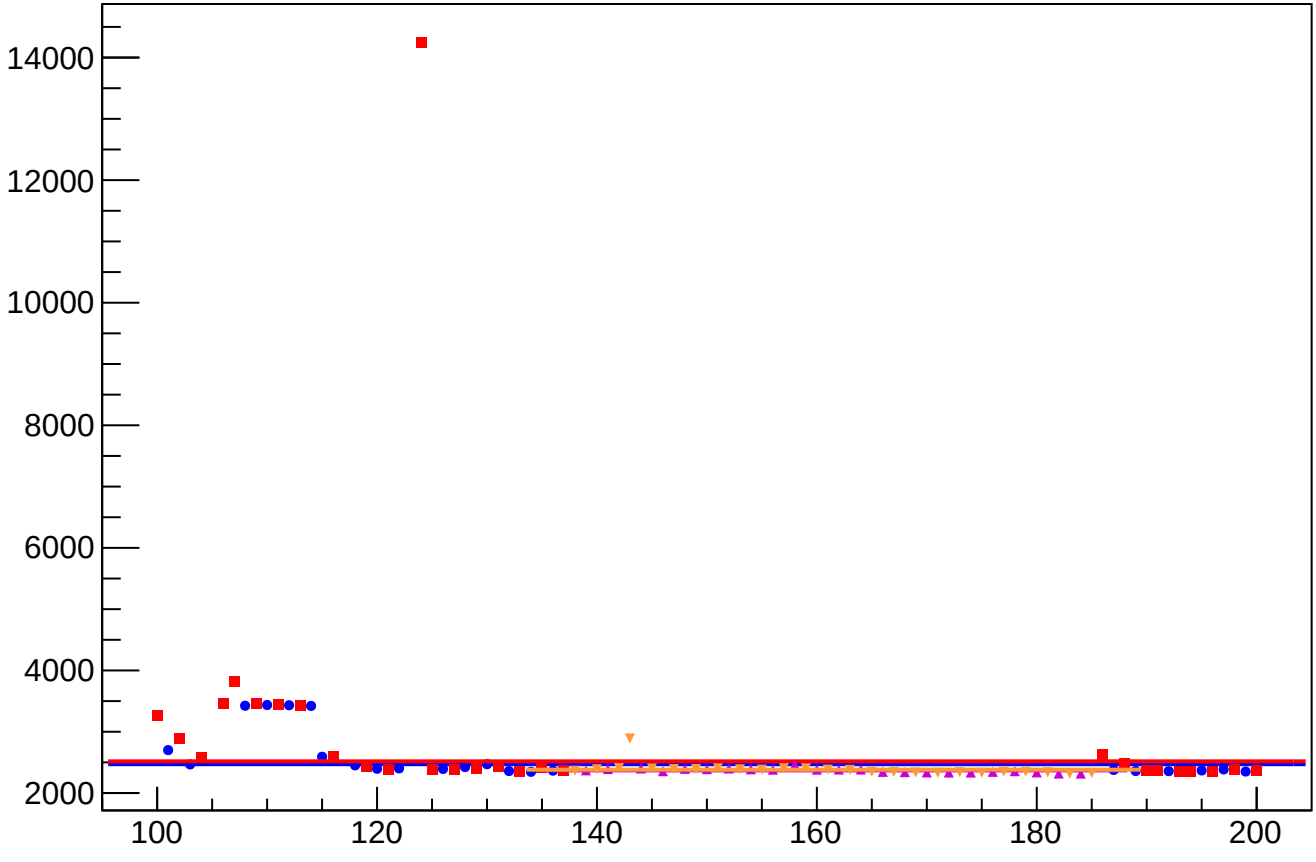
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.950+/-434.992 χ^2/NDF: 39.5/46

All: -72.476+/-306.250 χ^2/NDF: 115.0/97

- sign -1535.312+/-431.237 χ^2/NDF: 52.3/50

eigen_cor_asym_atl1_rms vs Slug



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

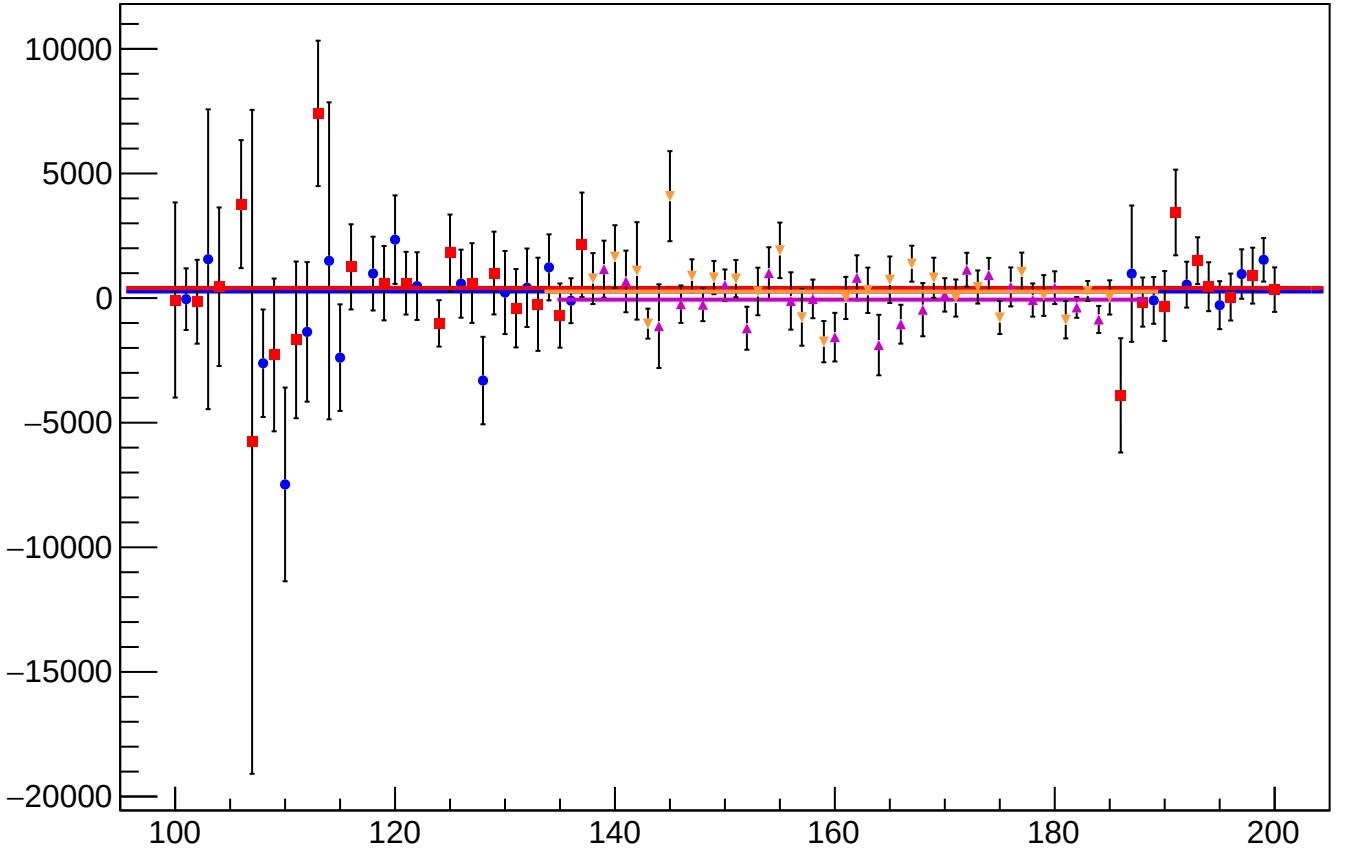
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2420.224+/-0.217 χ^2/NDF: 1013890.2/97

- sign 2427.493+/-0.305 χ^2/NDF: 680706.8/50

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 404.899+/-270.288 χ^2/NDF: 23.4/27

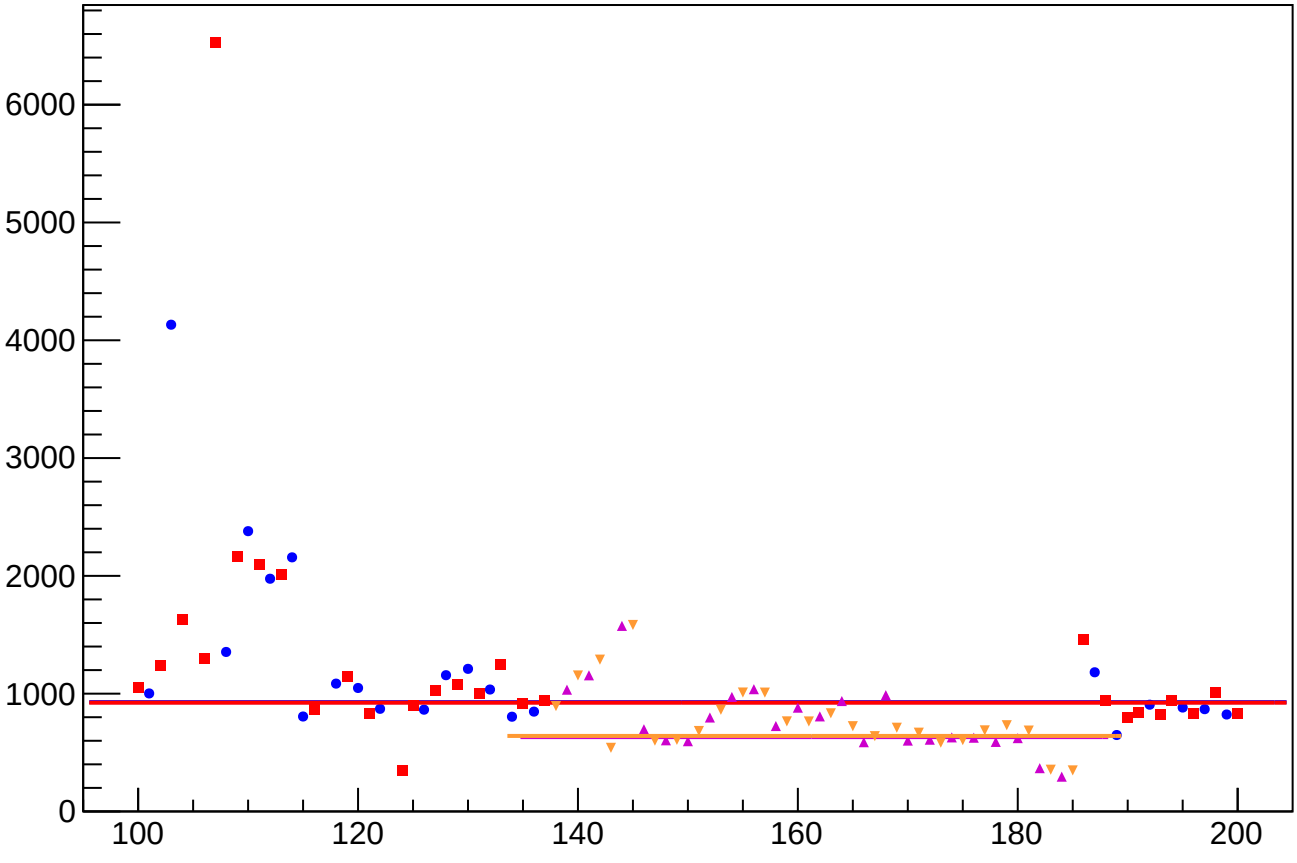
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.657+/-135.974 χ^2/NDF: 48.7/46

All: 159.483+/-96.162 χ^2/NDF: 97.4/97

- sign 56.249+/-136.013 χ^2/NDF: 47.6/50

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

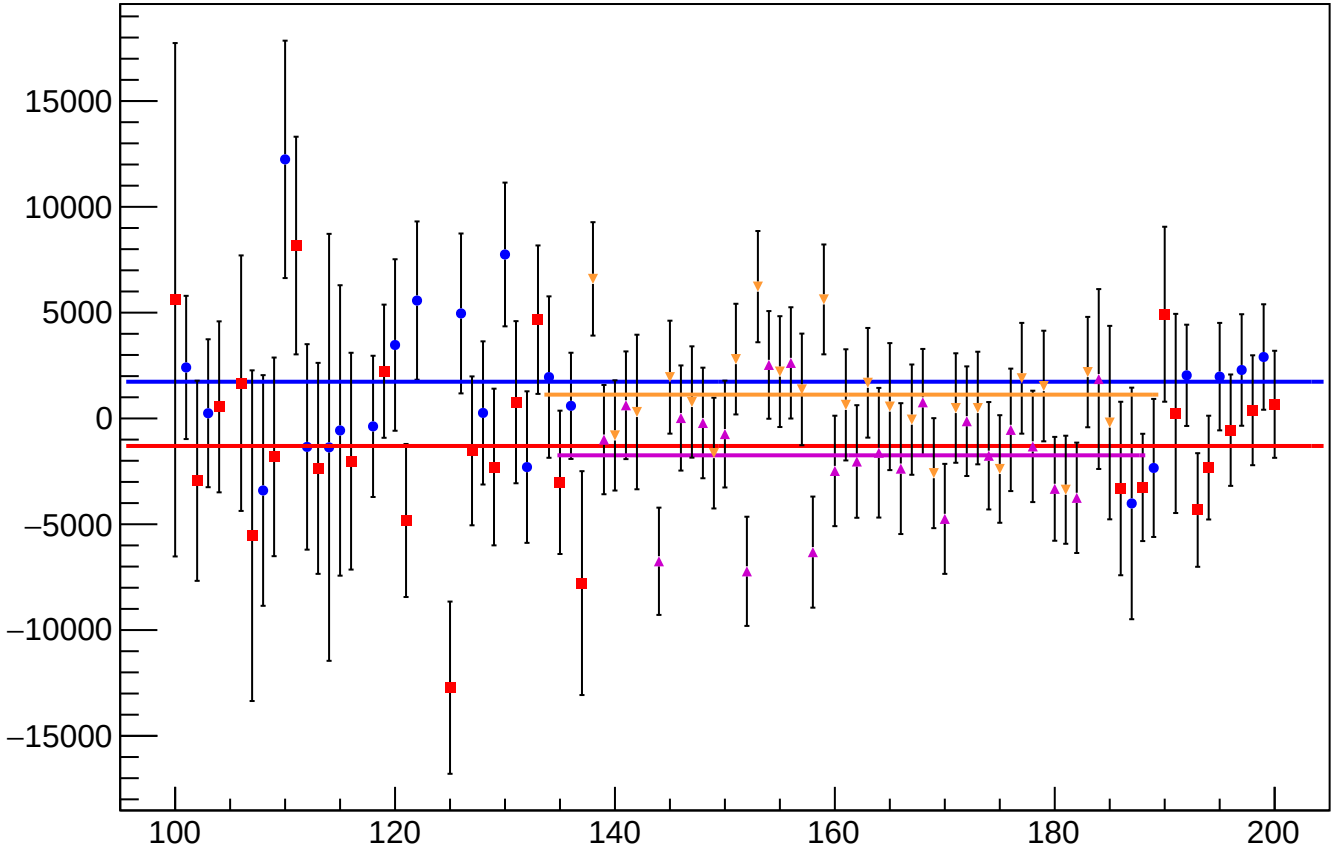
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 704.418+/-0.096 χ^2/NDF: 6706521.0/46

All: 704.807+/-0.068 χ^2/NDF: 14995386.7/97

- sign 705.196+/-0.096 χ^2/NDF: 8288833.0/50

dit_asym_atl1_mean vs Slug



Right In: 1735.193+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1300.668+/-697.608 χ^2/NDF: 25.5/26

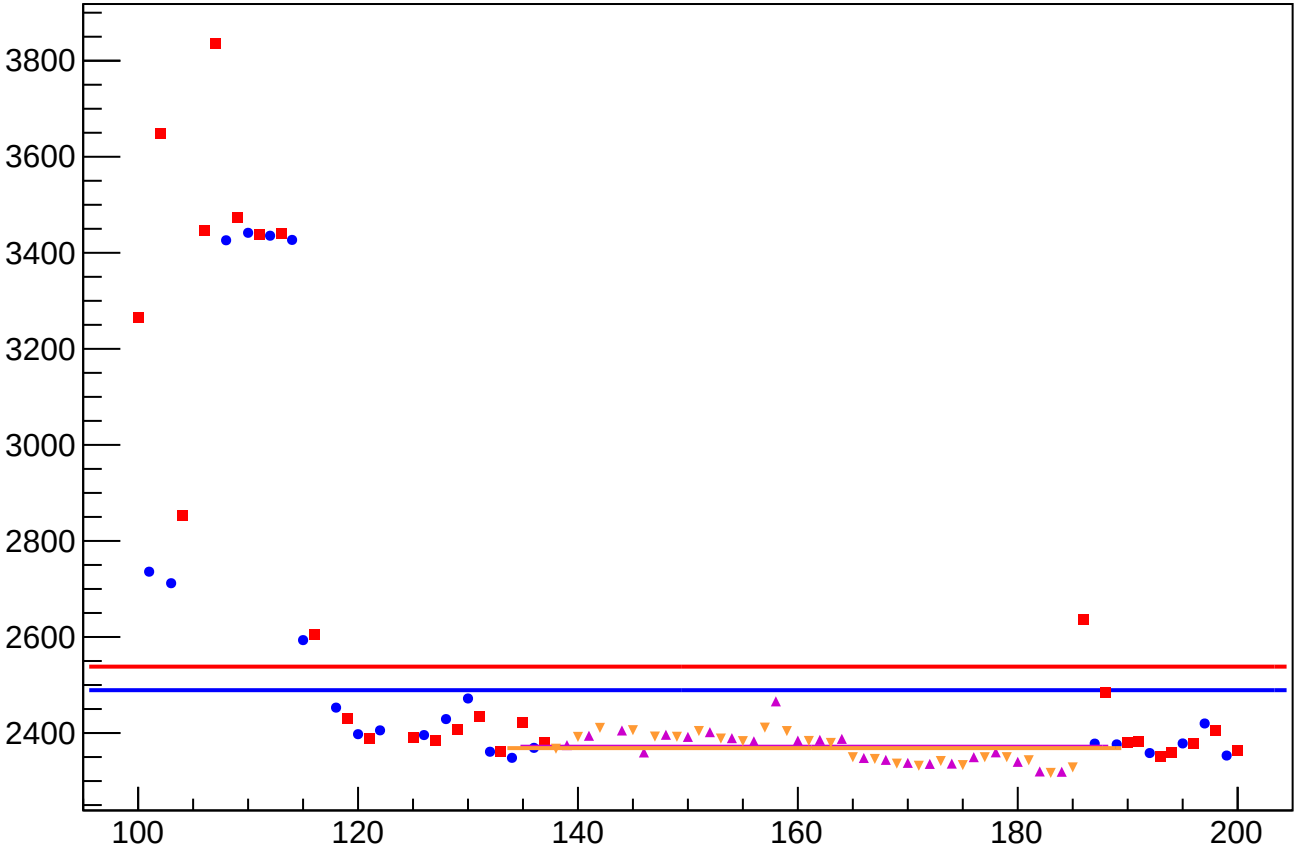
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1343.616+/-440.663 χ^2/NDF: 37.0/45

All: -137.135+/-309.112 χ^2/NDF: 108.8/95

- sign -1571.593+/-433.720 χ^2/NDF: 49.5/49

dit_asym_atl1_rms vs Slug



Right In: 2489.223+/-0.521 χ^2/NDF: 263650.7/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2538.258+/-0.493 χ^2/NDF: 511709.9/26

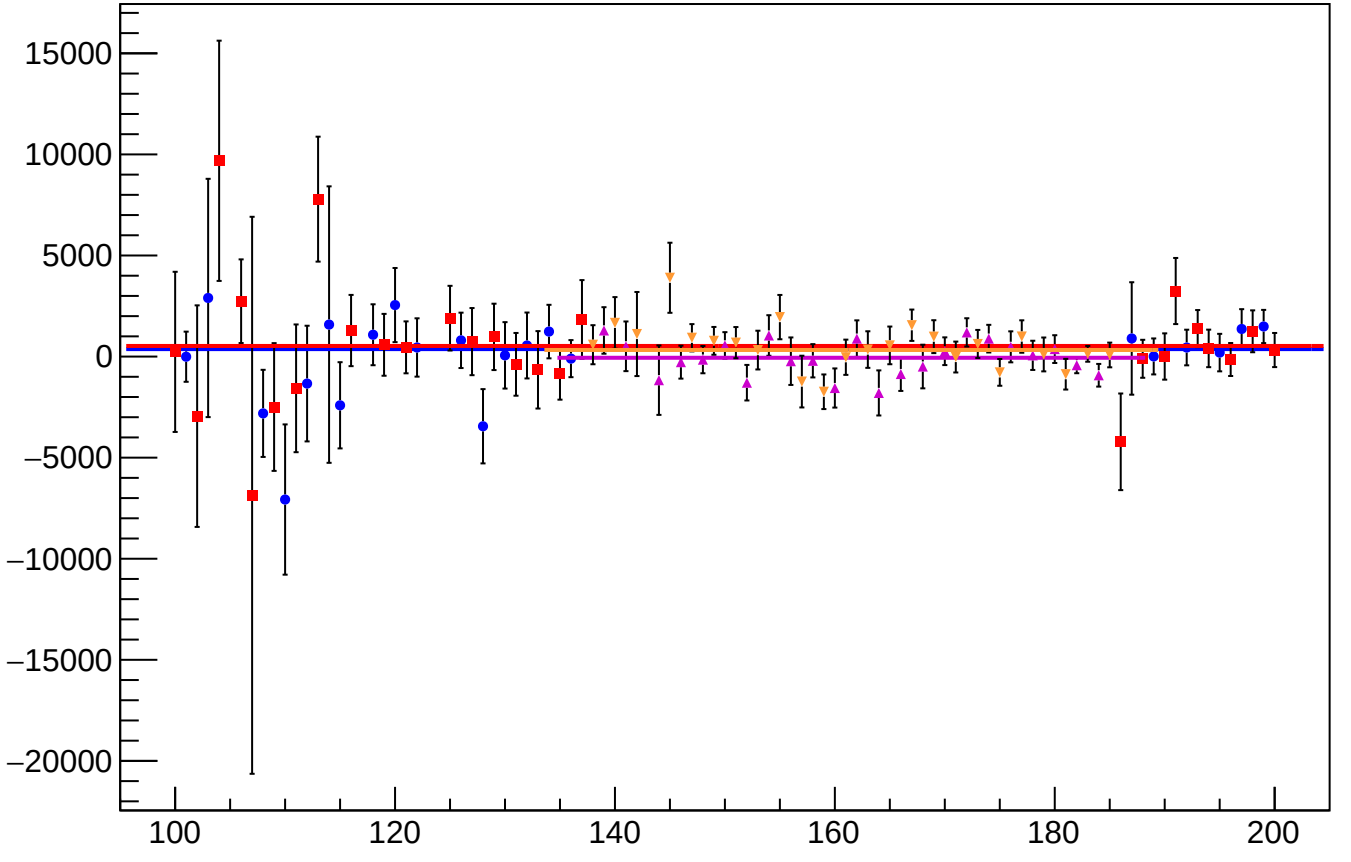
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2411.725+/-0.312 χ^2/NDF: 303668.4/45

All: 2424.040+/-0.219 χ^2/NDF: 895599.7/95

- sign 2435.970+/-0.307 χ^2/NDF: 588856.0/49

asym_atl1_dit_correction_mean vs Slug



Right In: 369.296+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 524.956+/-273.684 χ^2/NDF: 23.9/26

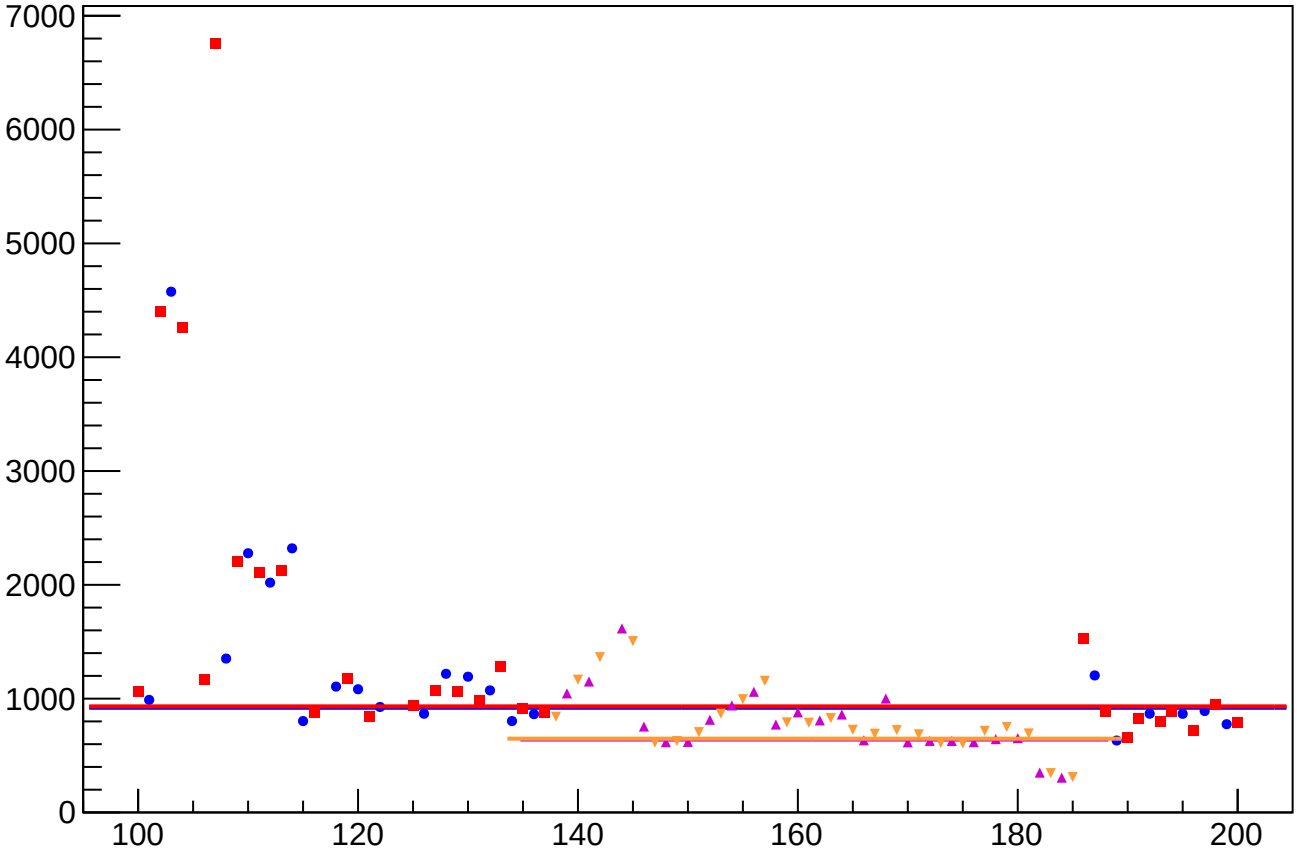
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 336.305+/-139.631 χ^2/NDF: 45.3/45

All: 211.034+/-98.122 χ^2/NDF: 96.9/95

- sign 88.825+/-137.915 χ^2/NDF: 50.0/49

asym_atl1_dit_correction_rms vs Slug



Right In: 919.883+/-0.202 χ^2/NDF: 2013427.8/21

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

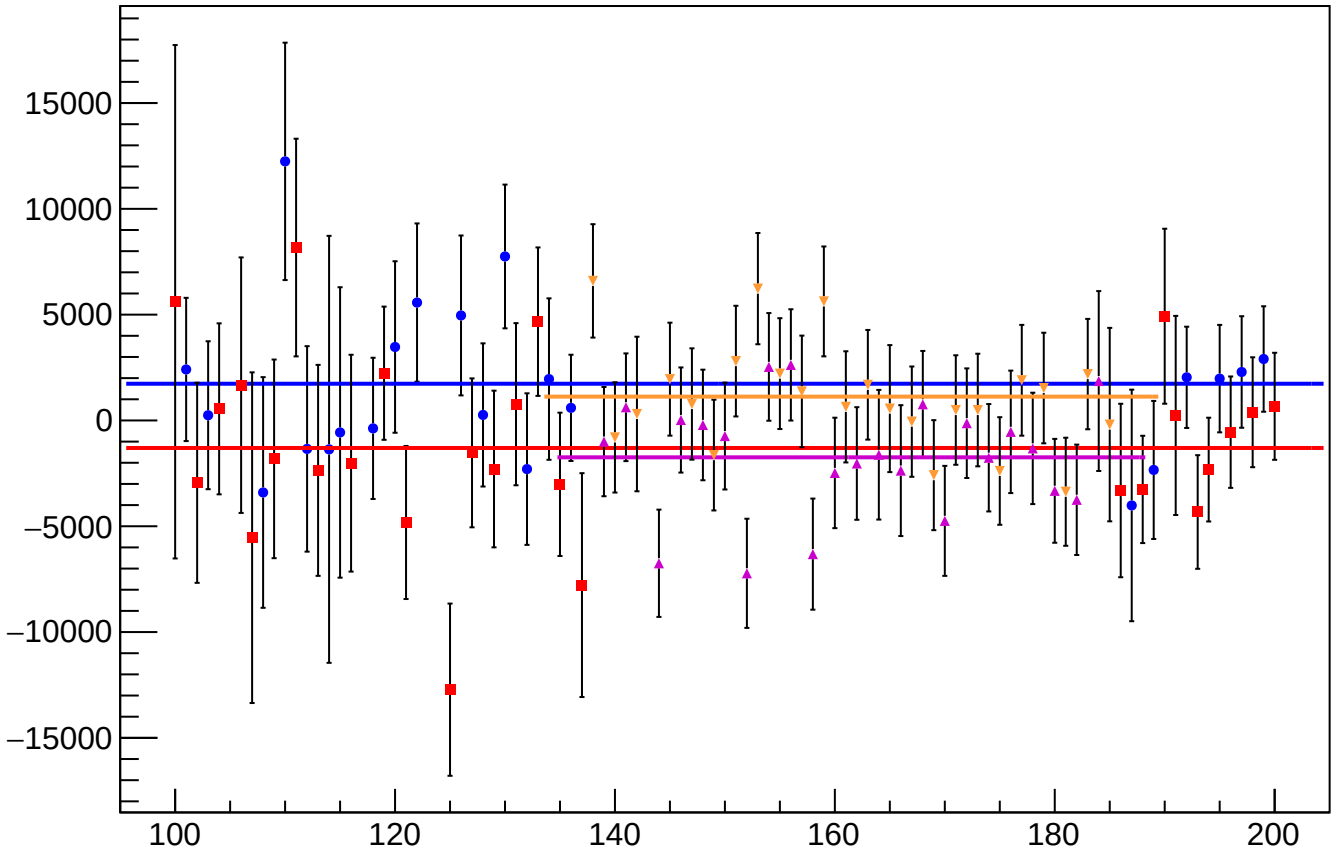
Right Out: 932.271+/-0.194 χ^2/NDF: 3365156.2/26

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 713.001+/-0.099 χ^2/NDF: 7277736.6/45

All: 713.776+/-0.069 χ^2/NDF: 16468547.9/95

- sign 714.532+/-0.098 χ^2/NDF: 9190689.5/49



Right In: 1735.191+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1300.666+/-697.608 χ^2/NDF: 25.5/26

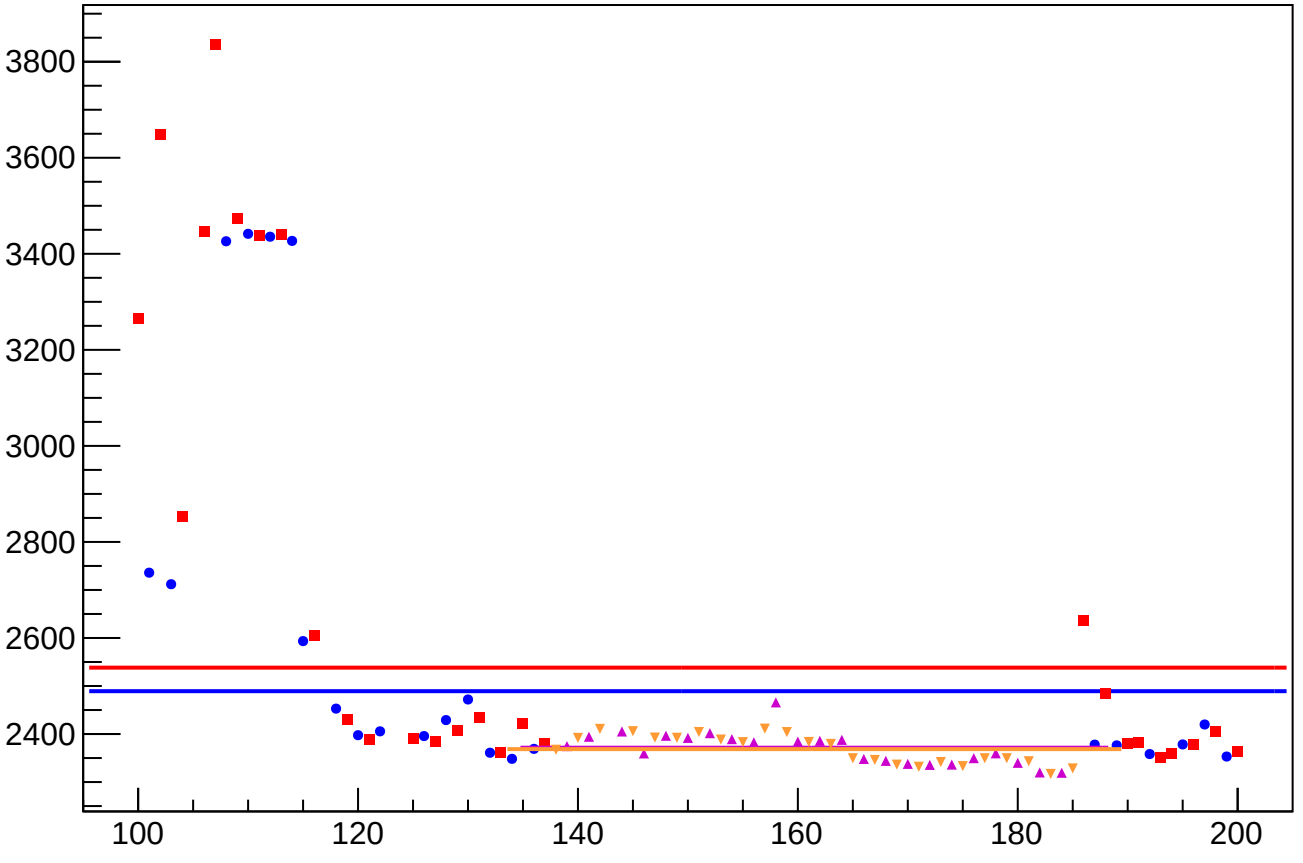
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1343.615+/-440.663 χ^2/NDF: 37.0/45

All: -137.135+/-309.112 χ^2/NDF: 108.8/95

- sign -1571.593+/-433.720 χ^2/NDF: 49.5/49

eigen_dit_asym_atl1_rms vs Slug



Right In: 2489.222+/-0.521 χ^2/NDF: 263650.3/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2538.258+/-0.493 χ^2/NDF: 511709.0/26

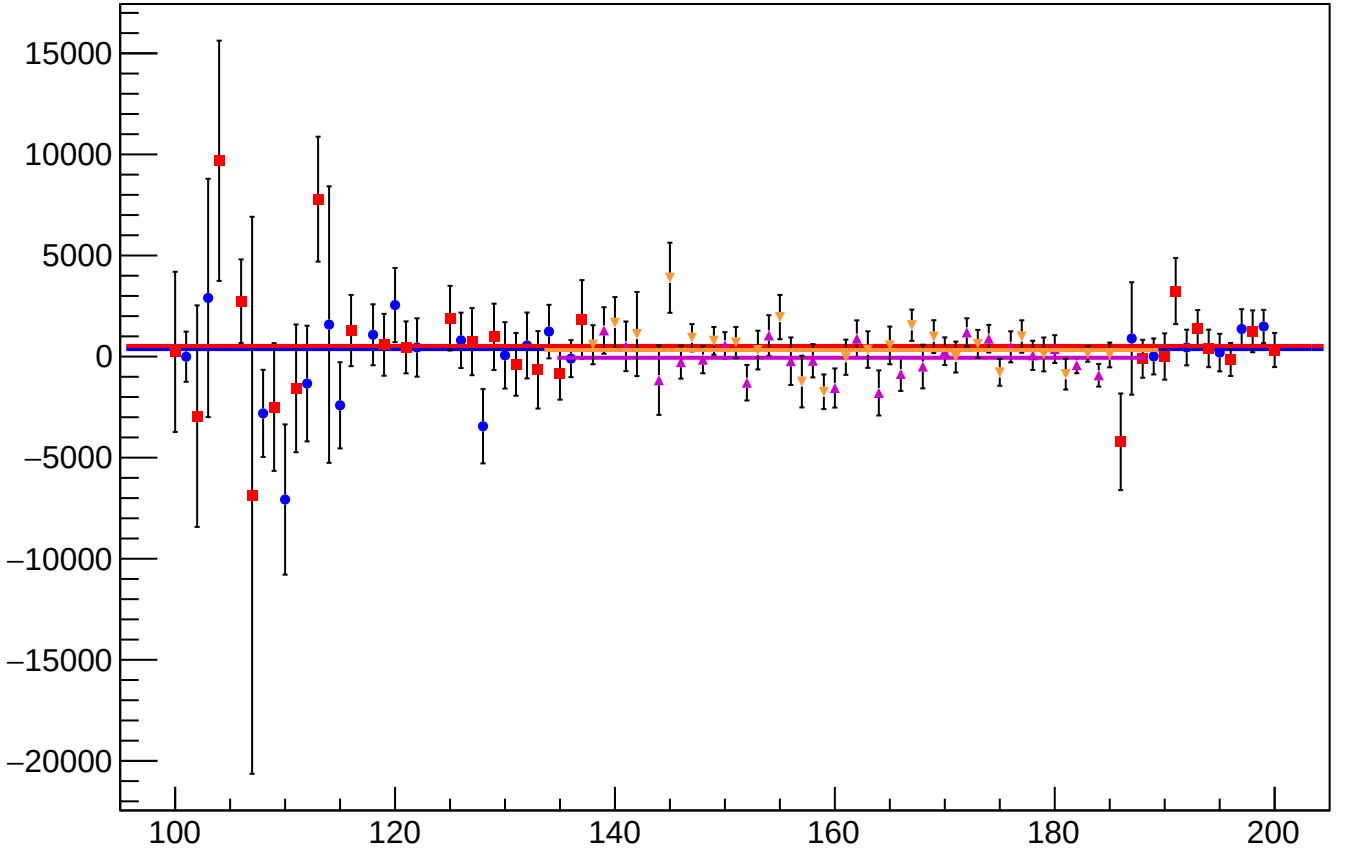
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2411.724+/-0.312 χ^2/NDF: 303667.9/45

All: 2424.040+/-0.219 χ^2/NDF: 895598.3/95

- sign 2435.970+/-0.307 χ^2/NDF: 588855.0/49

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 369.295+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 524.956+/-273.684 χ^2/NDF: 23.9/26

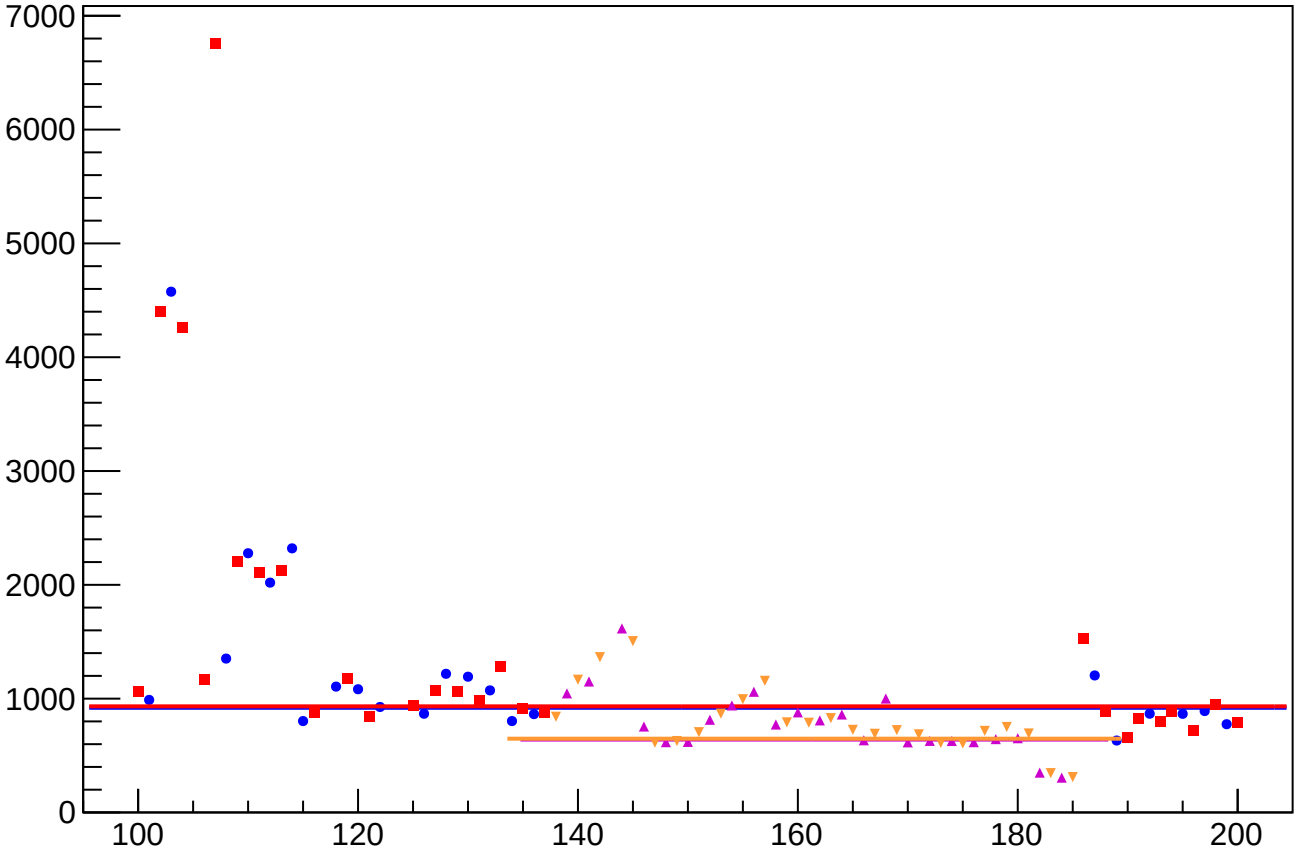
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 336.304+/-139.632 χ^2/NDF: 45.3/45

All: 211.034+/-98.122 χ^2/NDF: 96.9/95

\- sign 88.825+/-137.915 χ^2/NDF: 50.0/49

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 919.883+/-0.202 χ^2/NDF: 2013425.7/21

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 932.270+/-0.194 χ^2/NDF: 3365154.2/26

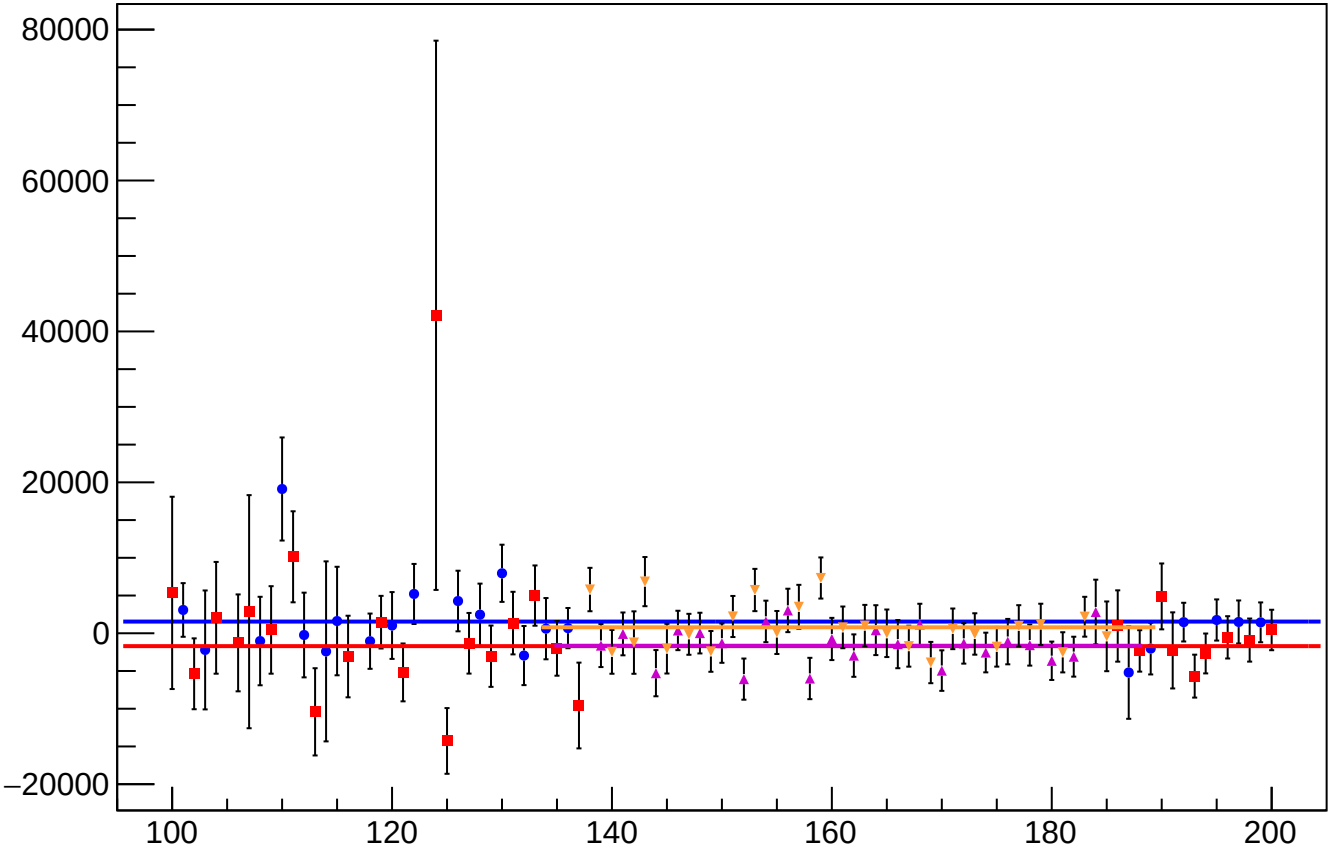
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 713.001+/-0.099 χ^2/NDF: 7277732.7/45

All: 713.777+/-0.069 χ^2/NDF: 16468544.2/95

- sign 714.533+/-0.098 χ^2/NDF: 9190689.7/49

asym_atl1_mean vs Slug



Right In: 1548.774+/-812.580 χ^2/NDF: 16.0/21

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1705.844+/-767.170 χ^2/NDF: 30.1/27

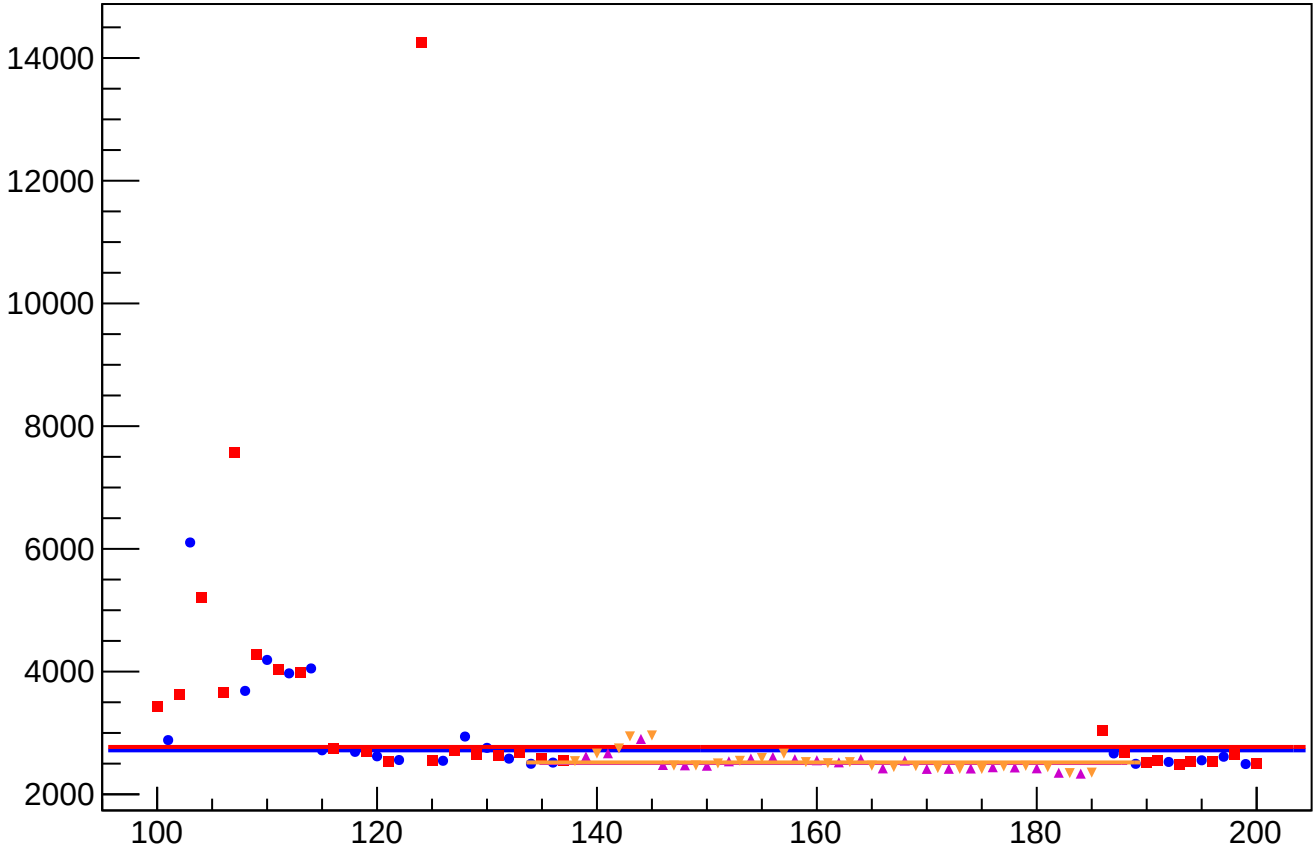
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1043.113+/-468.427 χ^2/NDF: 43.7/46

All: -322.056+/-330.392 χ^2/NDF: 107.9/97

- sign -1673.529+/-466.071 χ^2/NDF: 47.4/50

asym_atl1_rms vs Slug



Right In: 2716.494+/-0.575 χ^2/NDF: 723238.0/21

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2771.847+/-0.542 χ^2/NDF: 1149170.7/27

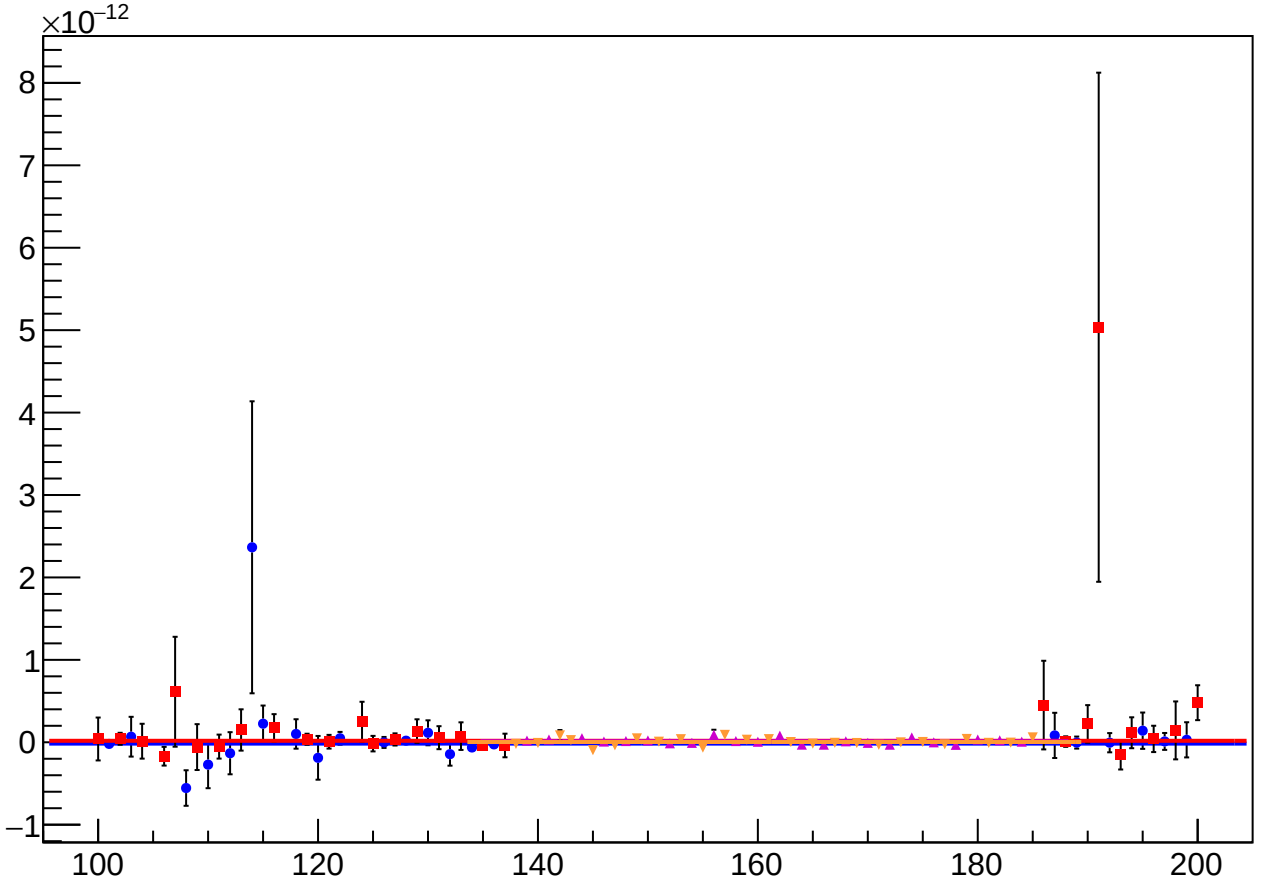
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2584.975+/-0.331 χ^2/NDF: 916912.7/46

All: 2595.913+/-0.234 χ^2/NDF: 2288848.7/97

- sign 2606.741+/-0.330 χ^2/NDF: 1369765.9/50

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/27

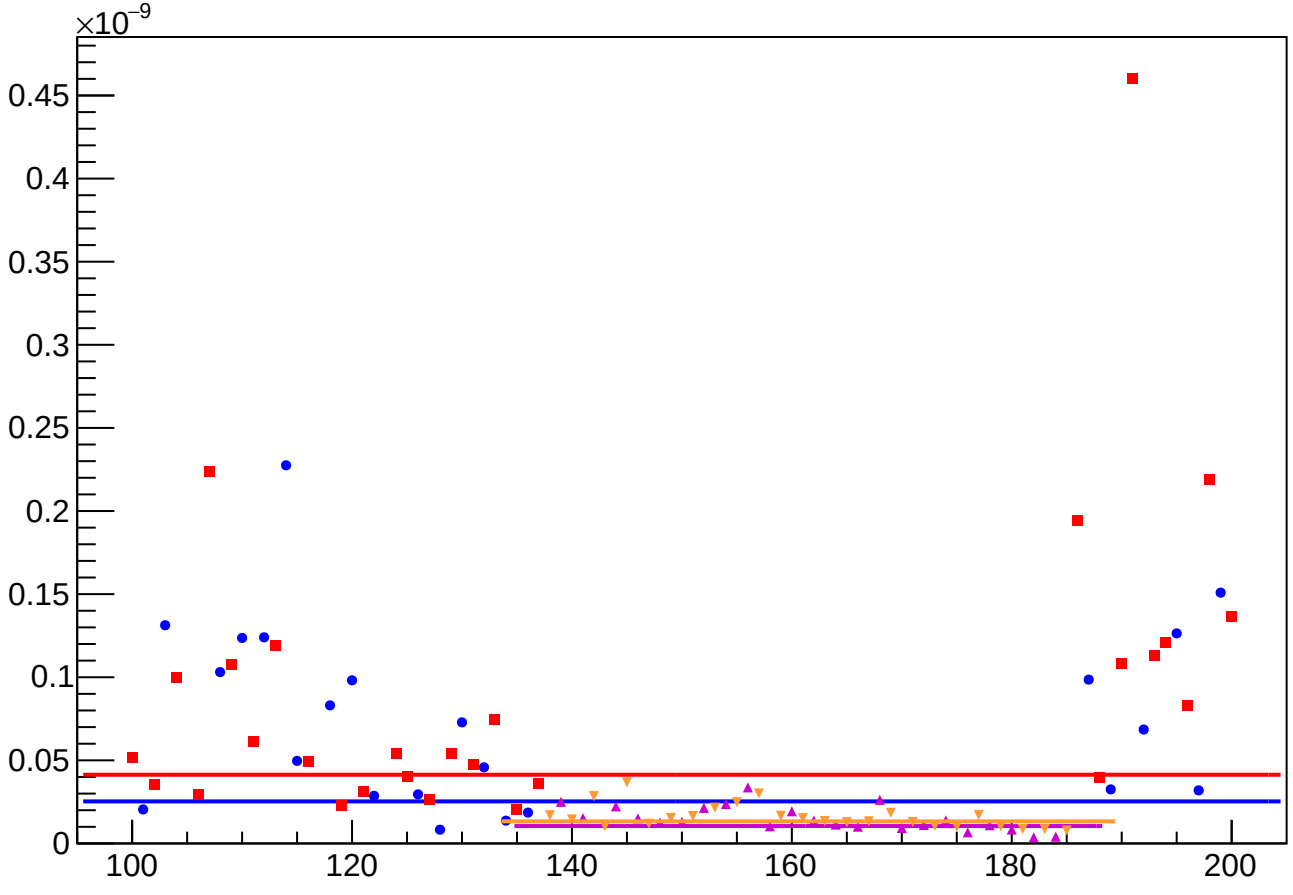
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/46

All: 0.000+/-0.000 χ^2/NDF: 100.3/97

- sign 0.000+/-0.000 χ^2/NDF: 51.0/50

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3974130.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502226.7/27

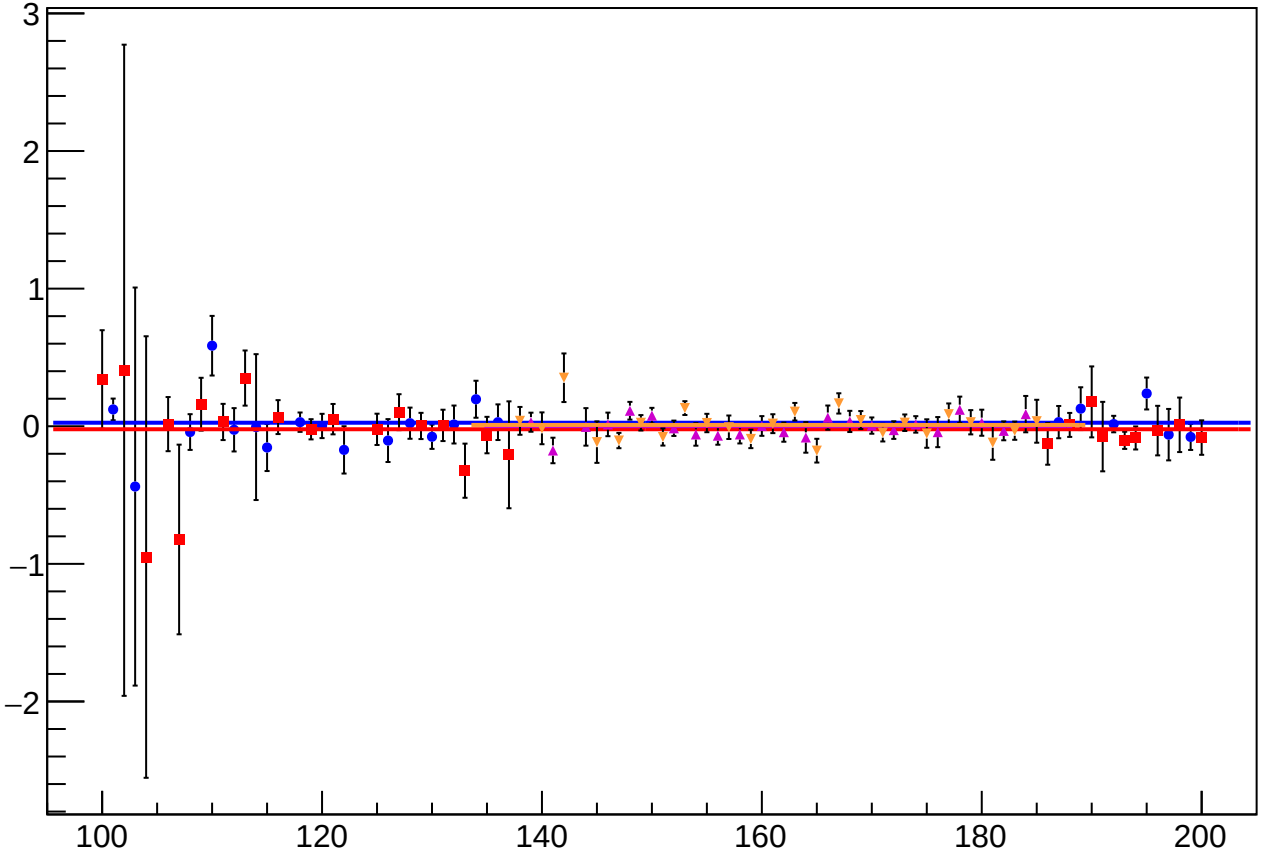
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6440499.4/46

All: 0.000+/-0.000 χ^2/NDF: 16814416.5/97

- sign 0.000+/-0.000 χ^2/NDF: 10092240.9/50

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.022+/-0.025 χ^2/NDF: 15.7/26

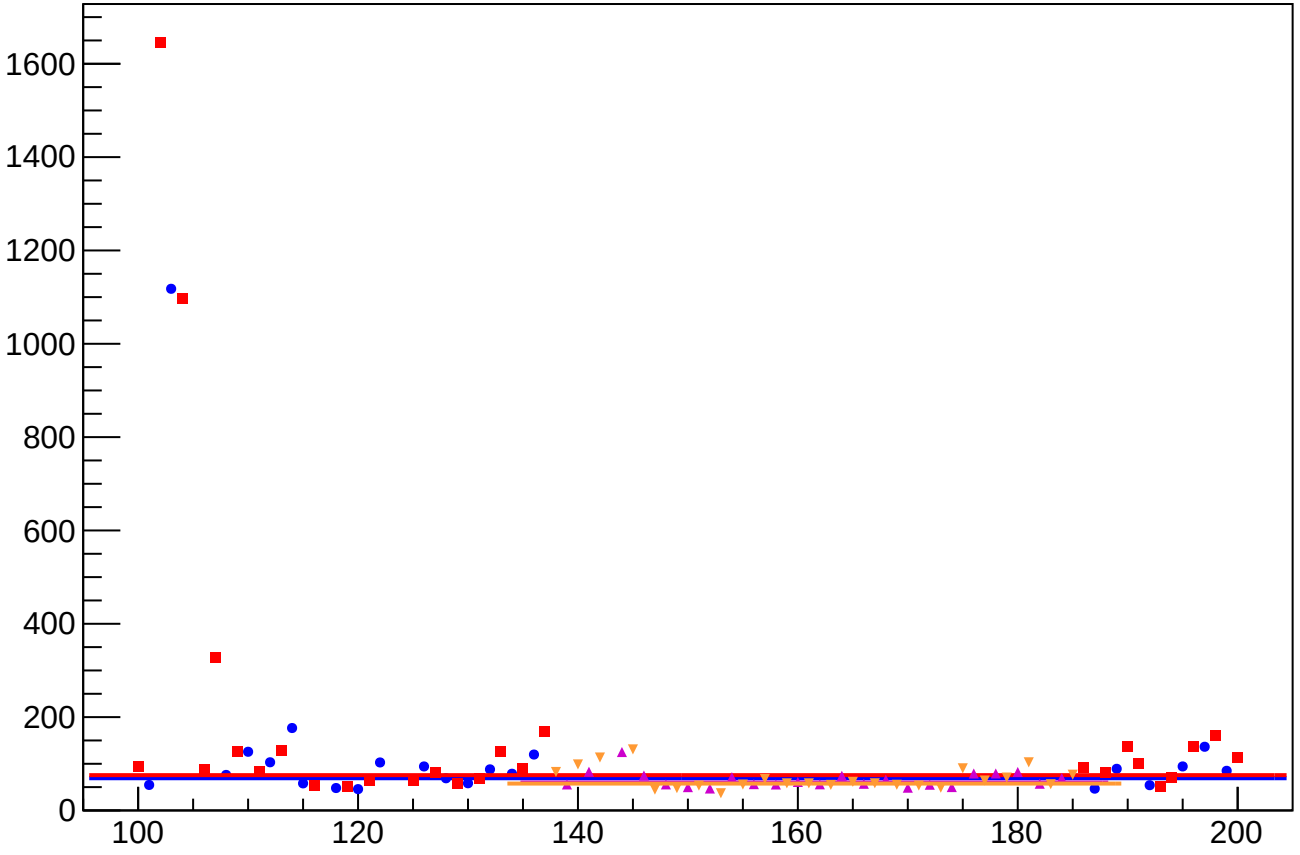
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.004+/-0.009 χ^2/NDF: 88.1/95

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

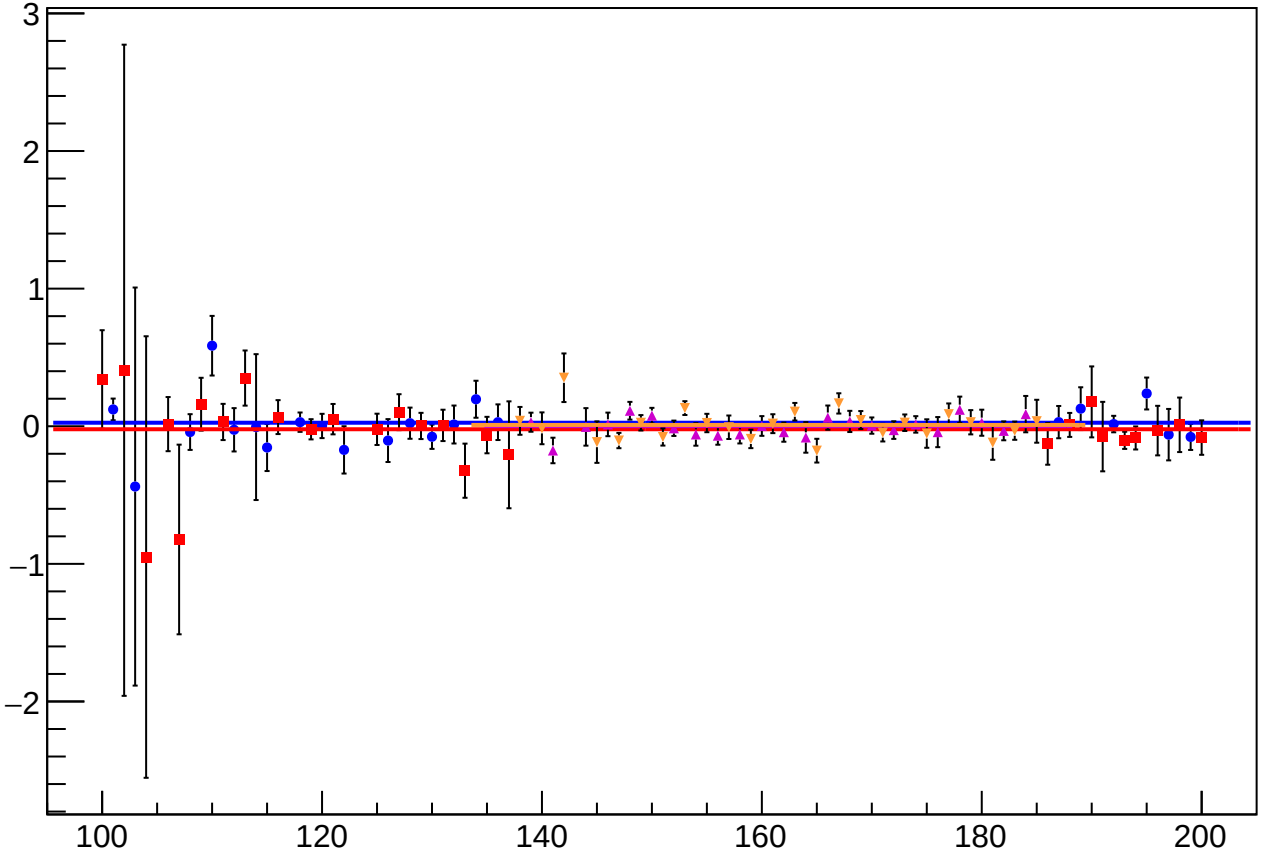
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.810+/-0.009 χ^2/NDF: 5455138.2/45

All: 62.489+/-0.006 χ^2/NDF: 11641591.3/95

- sign 64.257+/-0.009 χ^2/NDF: 6115941.3/49

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.022+/-0.025 χ^2/NDF: 15.7/26

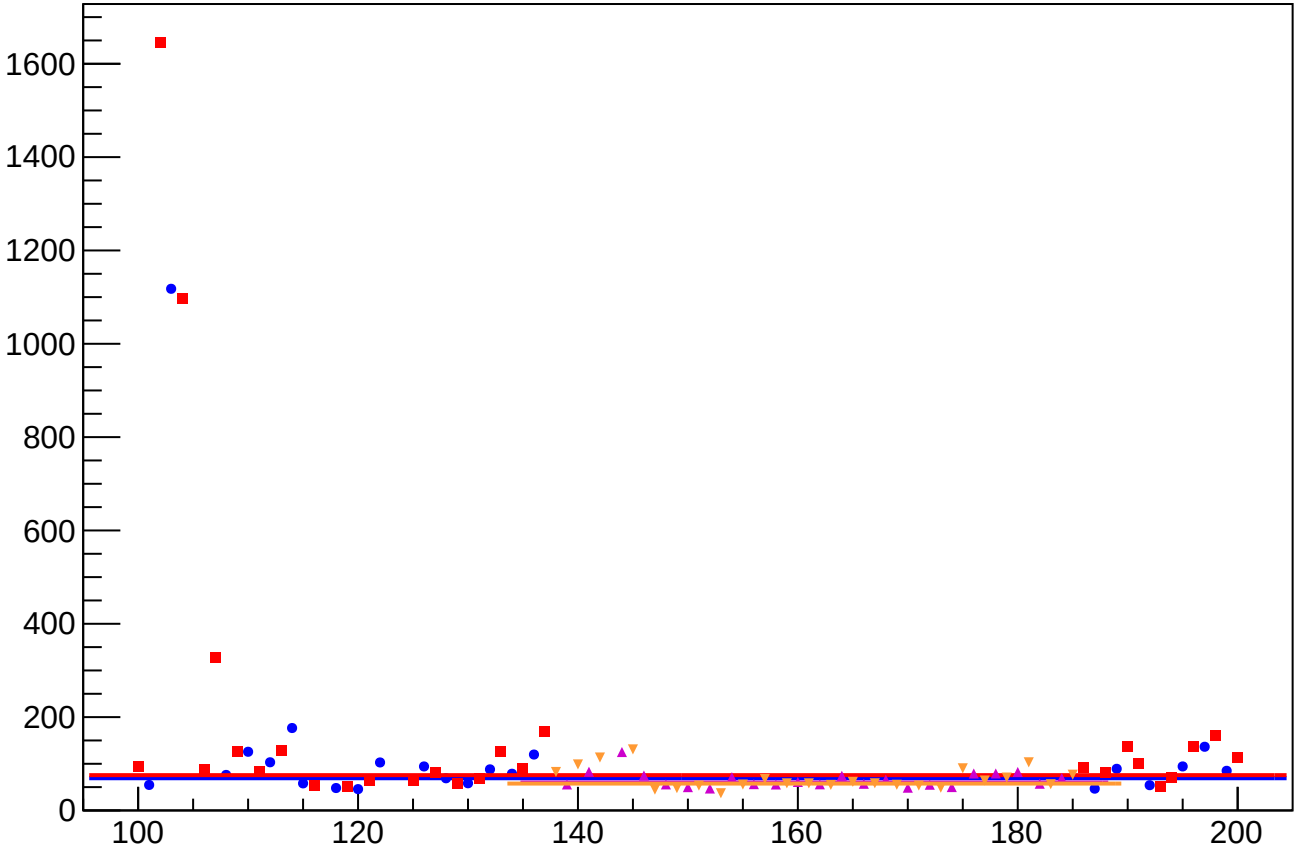
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.004+/-0.009 χ^2/NDF: 88.1/95

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

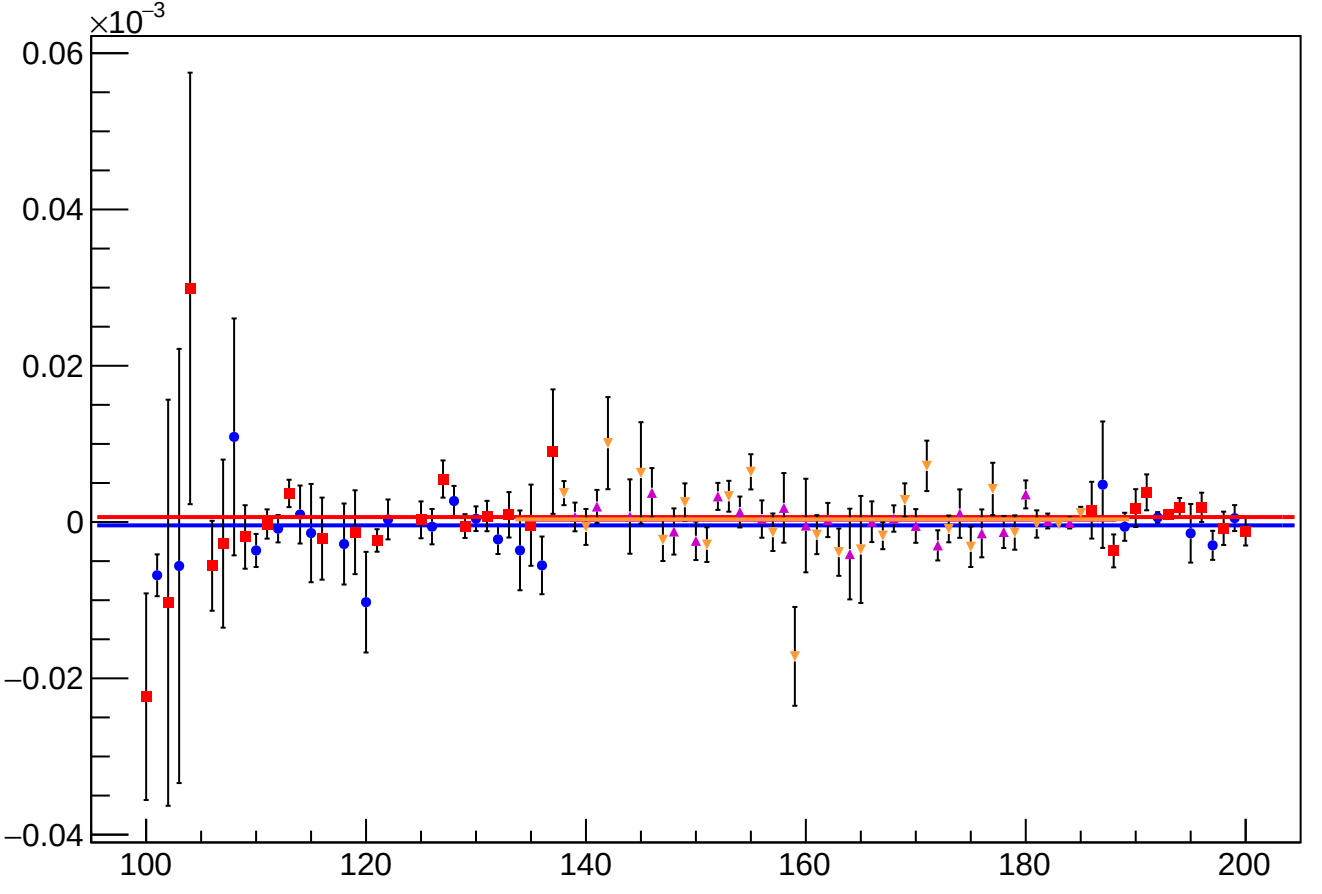
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

\+ sign 60.810+/-0.009 χ^2/NDF: 5455138.2/45

All: 62.489+/-0.006 χ^2/NDF: 11641591.3/95

\- sign 64.257+/-0.009 χ^2/NDF: 6115941.3/49

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/26

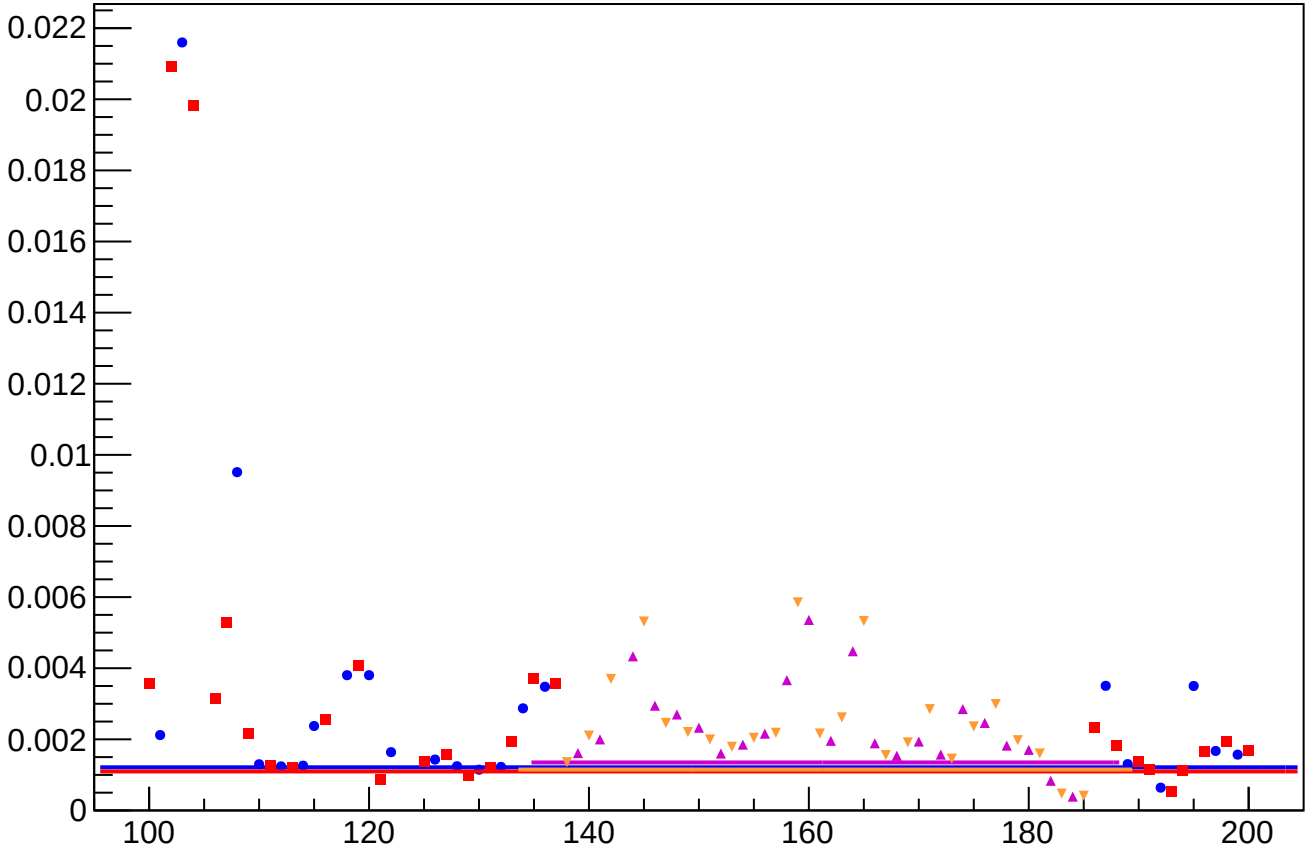
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.2/45

All: 0.000+/-0.000 χ^2/NDF: 117.1/95

- sign 0.000+/-0.000 χ^2/NDF: 44.7/49

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6363888.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7672345.8/26

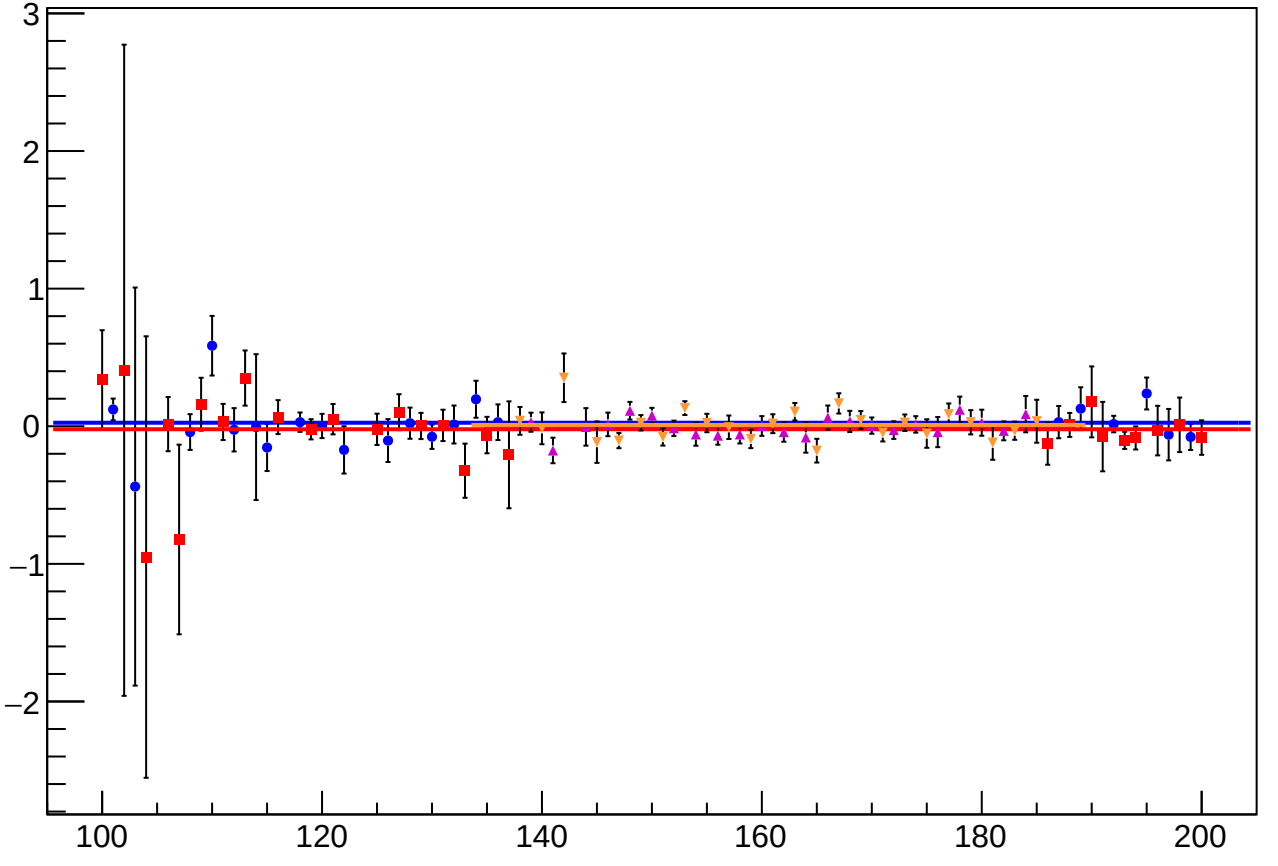
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19632945.3/45

All: 0.001+/-0.000 χ^2/NDF: 38035168.8/95

- sign 0.001+/-0.000 χ^2/NDF: 18374988.3/49

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.022+/-0.025 χ^2/NDF: 15.7/26

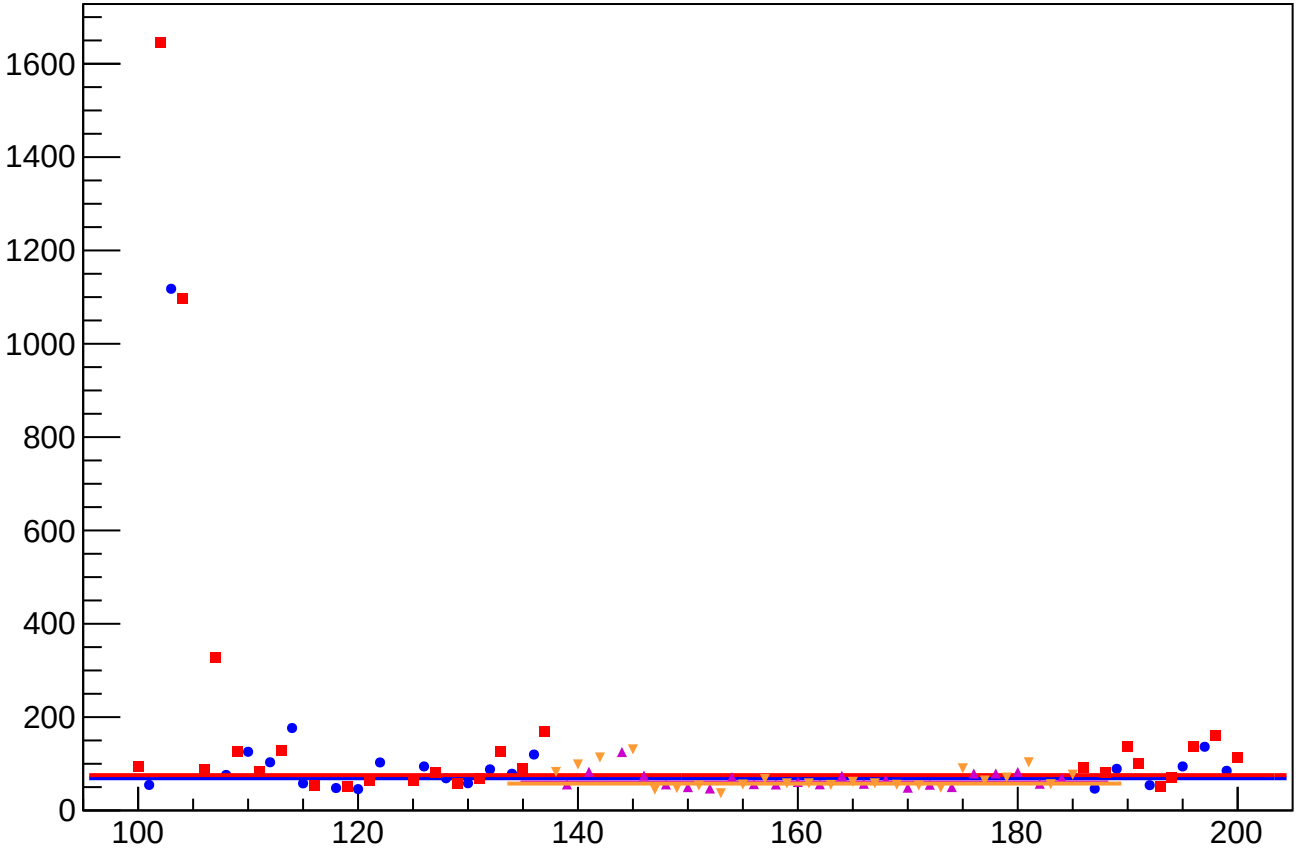
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.004+/-0.009 χ^2/NDF: 88.1/95

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

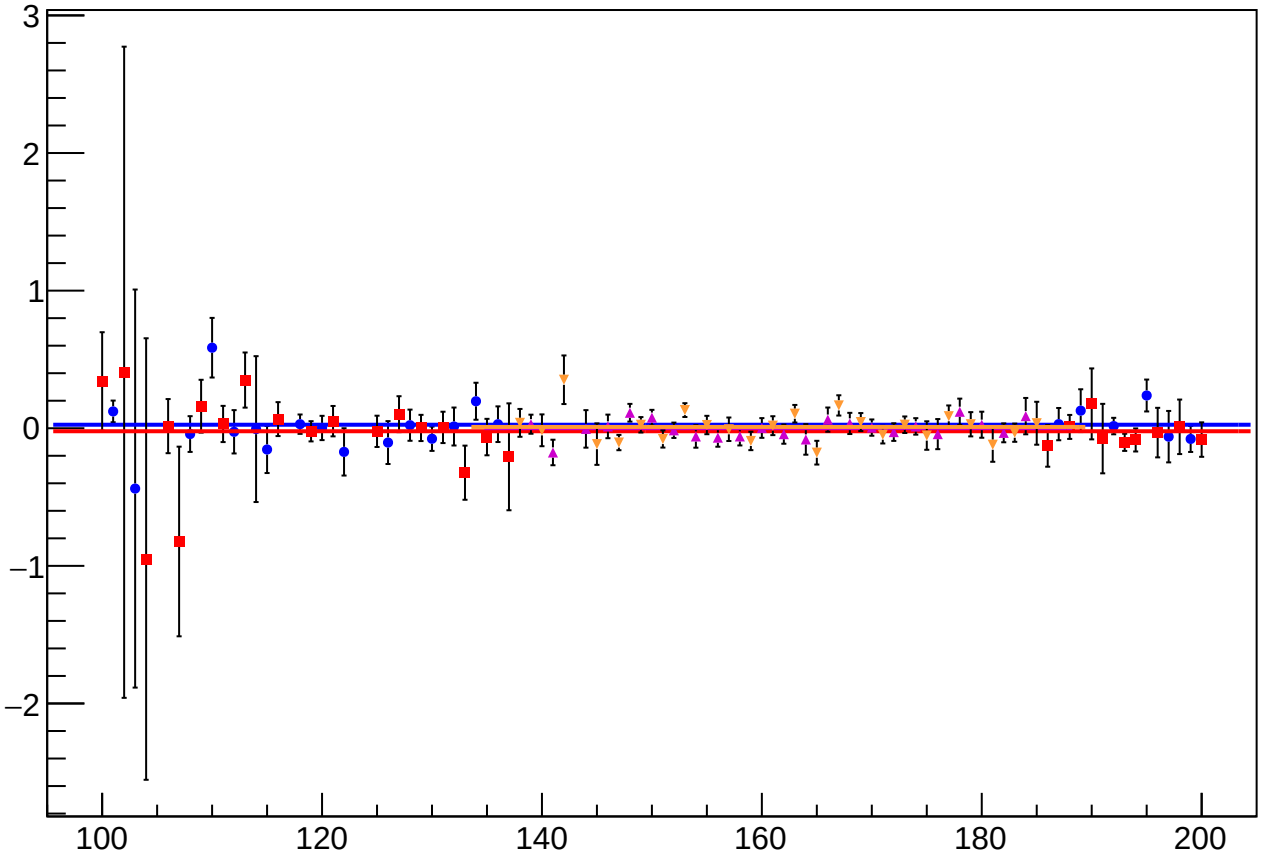
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

\+ sign 60.809+/-0.009 χ^2/NDF: 5455298.5/45

All: 62.489+/-0.006 χ^2/NDF: 11641726.9/95

\- sign 64.257+/-0.009 χ^2/NDF: 6115907.5/49

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

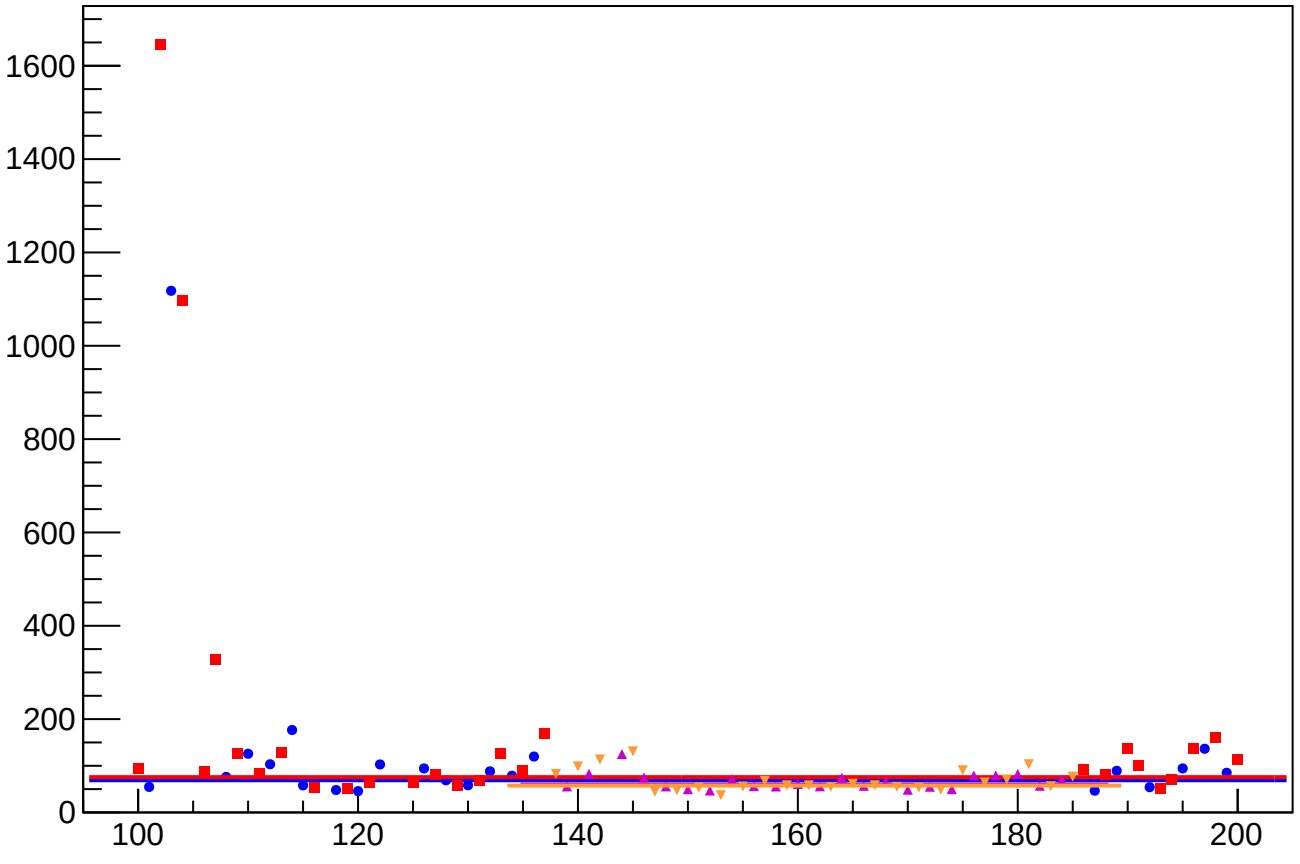
Right Out: -0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.004+/-0.009 χ^2/NDF: 88.1/95

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

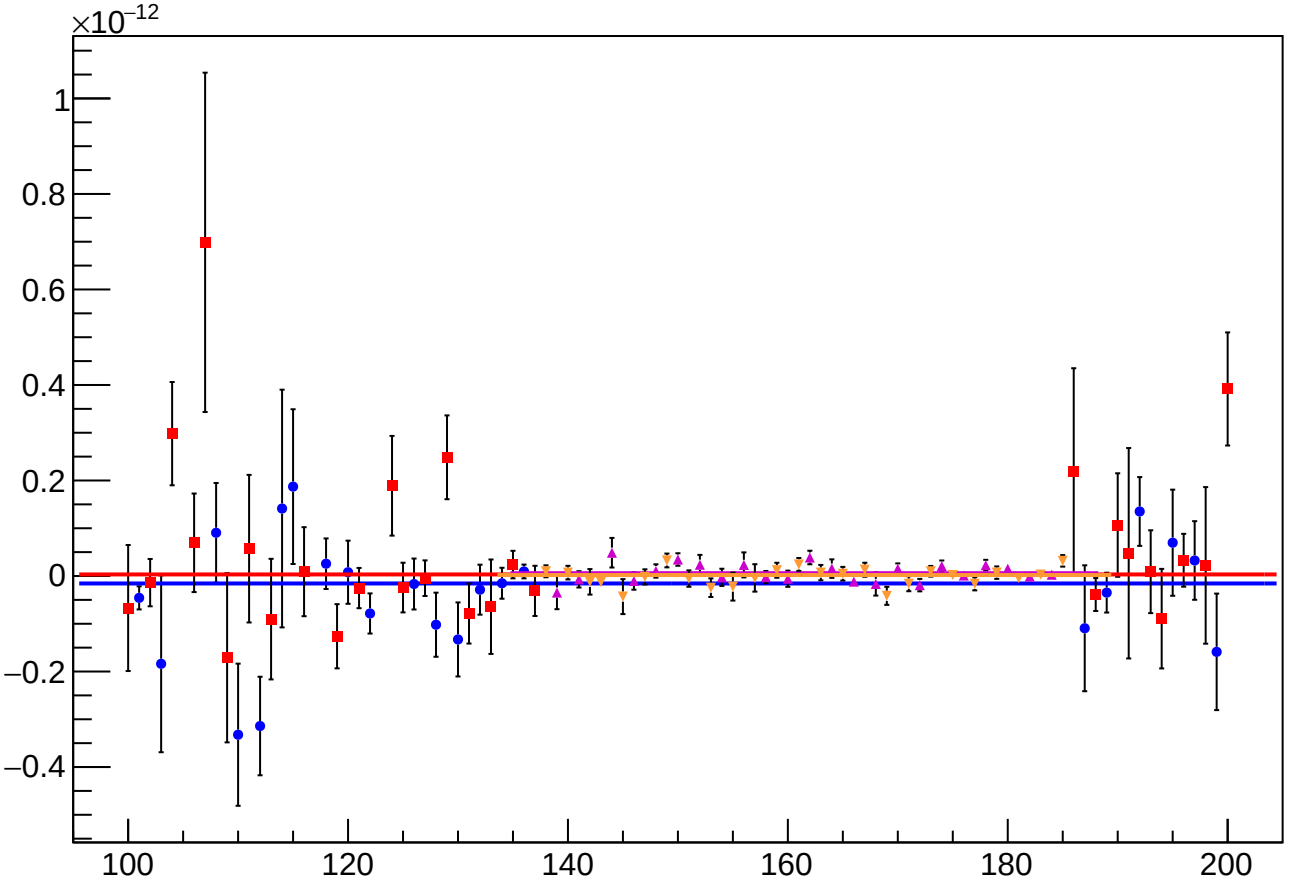
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.809+/-0.009 χ^2/NDF: 5455298.5/45

All: 62.489+/-0.006 χ^2/NDF: 11641726.9/95

- sign 64.257+/-0.009 χ^2/NDF: 6115907.5/49

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

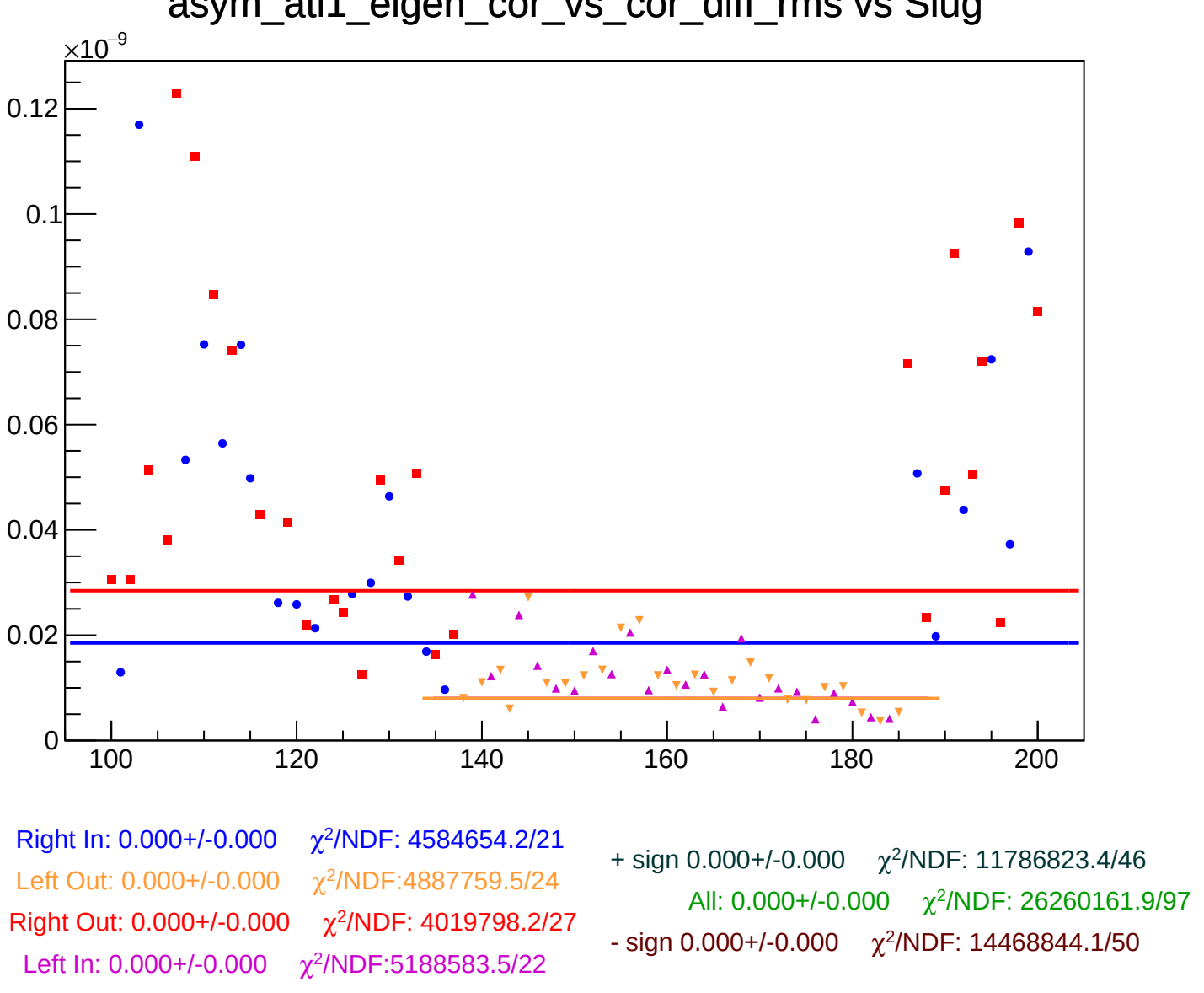
Right Out: 0.000+/-0.000 χ^2/NDF: 47.6/27

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

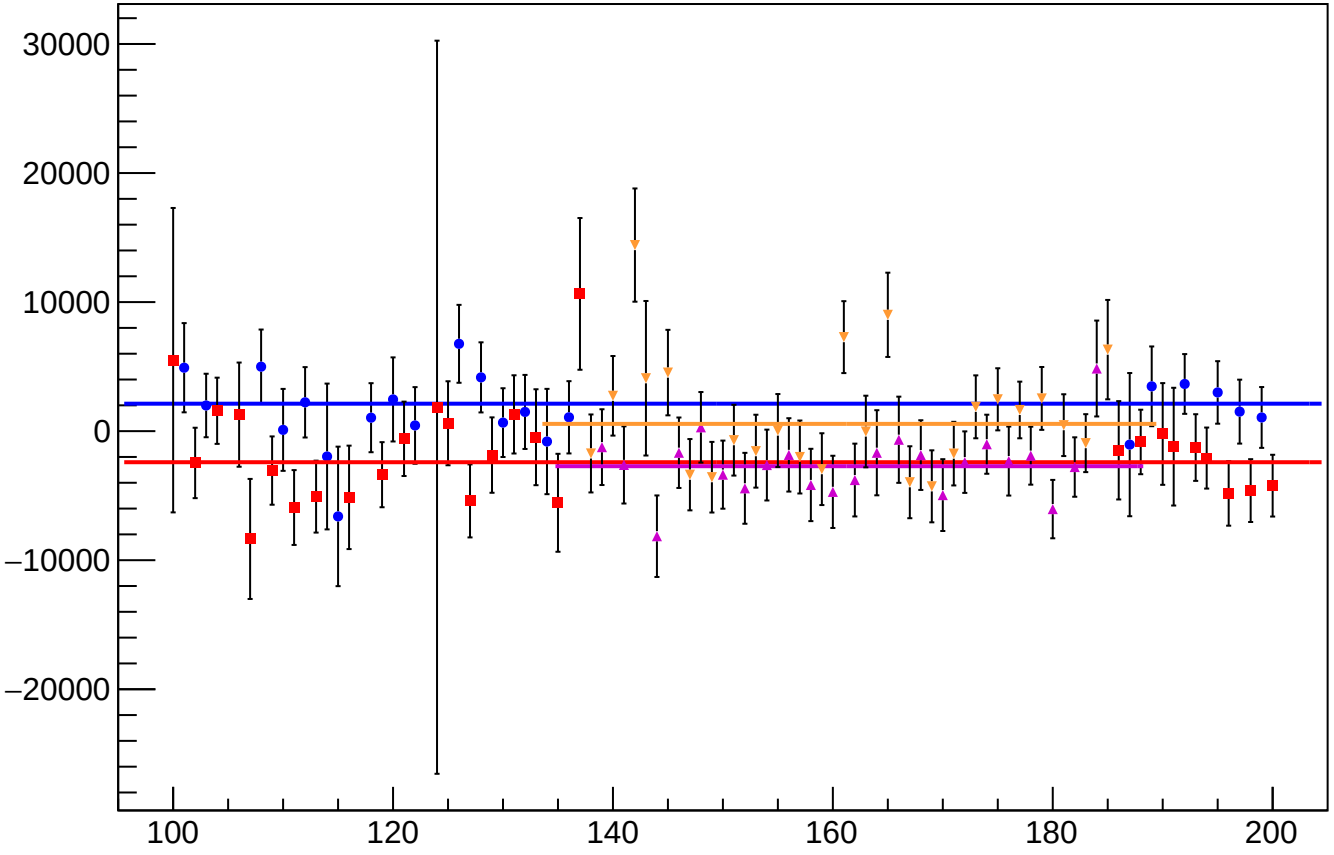
+ sign 0.000+/-0.000 χ^2/NDF: 70.8/46

All: 0.000+/-0.000 χ^2/NDF: 153.1/97

- sign 0.000+/-0.000 χ^2/NDF: 80.2/50


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4584654.2/21
Left Out: 0.000+/-0.000 χ²/NDF:4887759.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4019798.2/27
Left In: 0.000+/-0.000 χ²/NDF:5188583.5/22
+ sign 0.000+/-0.000 χ²/NDF: 11786823.4/46
All: 0.000+/-0.000 χ²/NDF: 26260161.9/97
- sign 0.000+/-0.000 χ²/NDF: 14468844.1/50

reg_asym_atl2_mean vs Slug



Right In: 2127.400+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2407.702+/-584.944 χ^2/NDF: 21.6/27

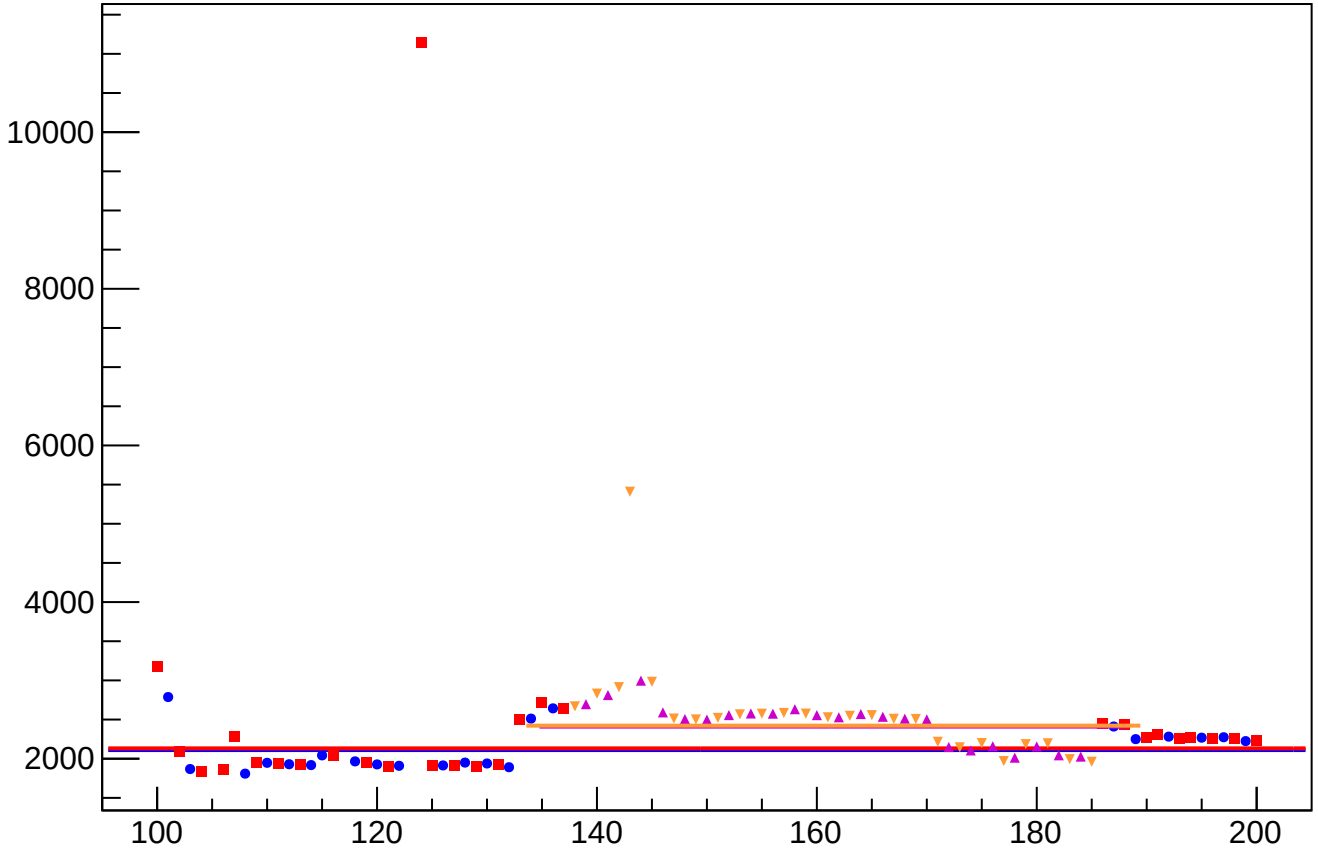
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.922+/-416.360 χ^2/NDF: 58.4/46

All: -700.756+/-290.983 χ^2/NDF: 137.5/97

- sign -2566.973+/-406.830 χ^2/NDF: 36.0/50

reg_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.4/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2131.964+/-0.414 χ^2/NDF: 509472.6/27

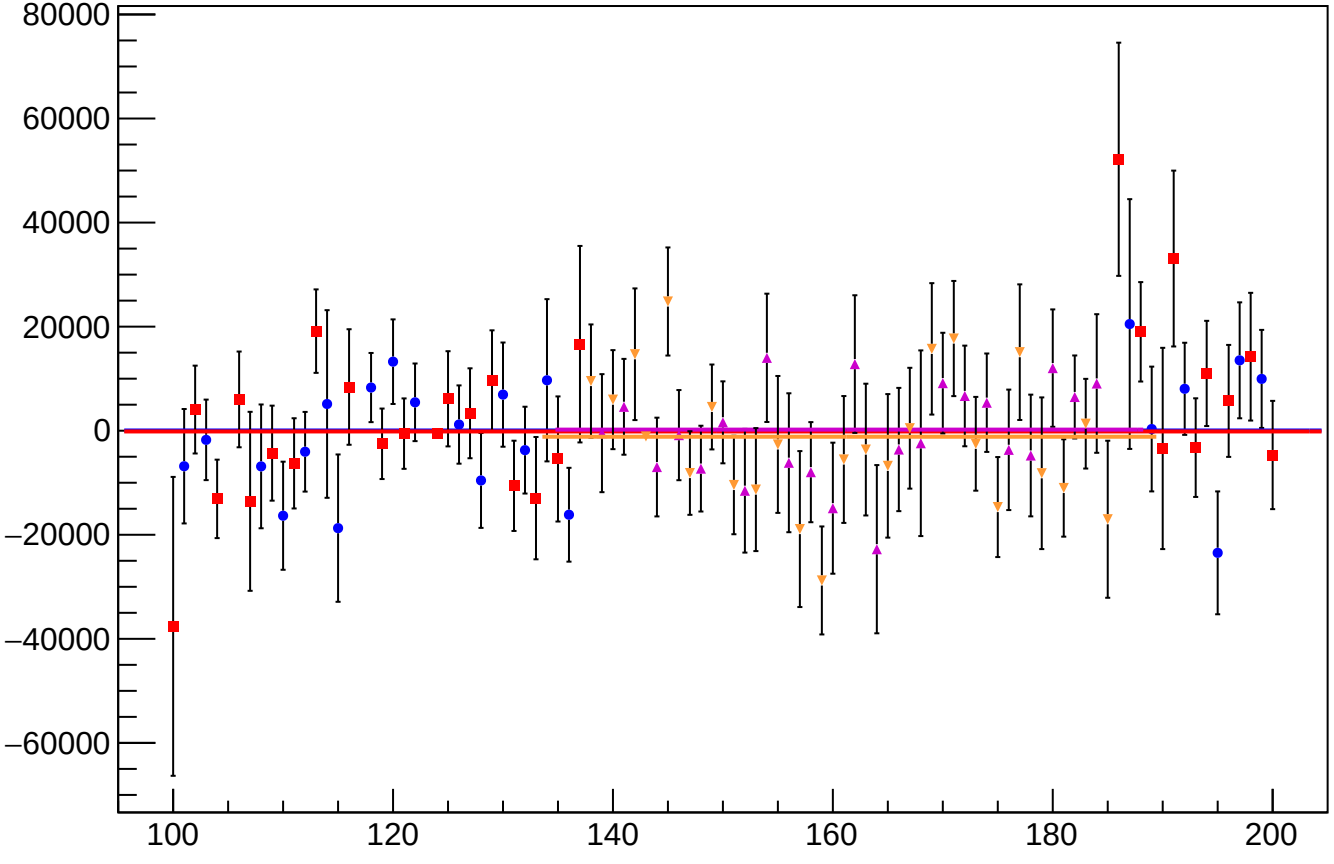
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.5/46

All: 2279.813+/-0.206 χ^2/NDF: 2726360.9/97

- sign 2275.415+/-0.288 χ^2/NDF: 1170818.7/50

asym_atl2_reg_correction_mean vs Slug



Right In: 42.903+/-2038.841 χ^2/NDF: 23.6/21

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

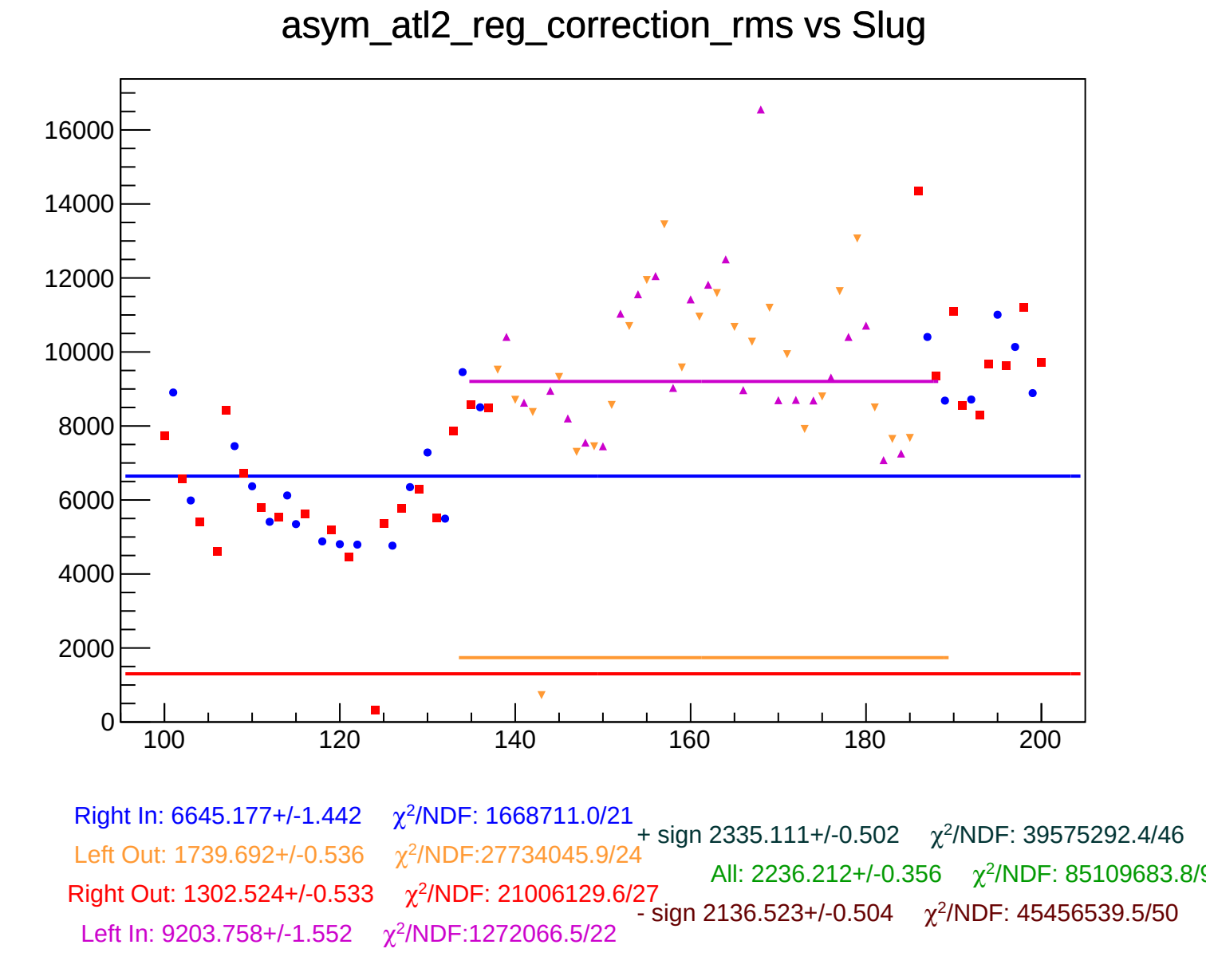
Right Out: -143.014+/-754.057 χ^2/NDF: 35.2/27

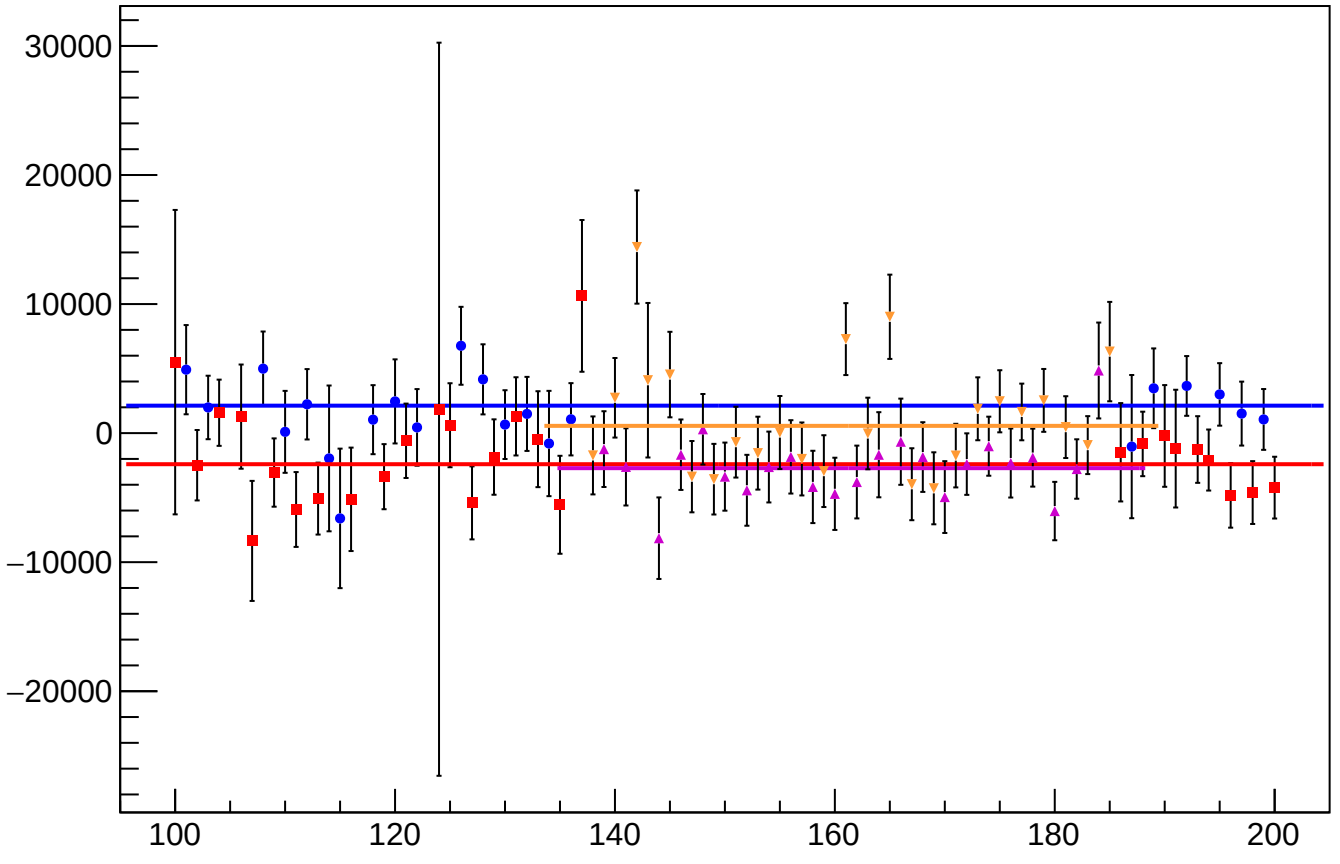
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

\+ sign -1012.424+/-710.320 χ^2/NDF: 55.9/46

All: -560.909+/-503.270 χ^2/NDF: 105.3/97

\- sign -105.788+/-713.151 χ^2/NDF: 48.6/50


asym_atl2_reg_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6645.177+/-1.442 χ²/NDF: 1668711.0/21
Left Out: 1739.692+/-0.536 χ²/NDF:27734045.9/24
Right Out: 1302.524+/-0.533 χ²/NDF: 21006129.6/27
Left In: 9203.758+/-1.552 χ²/NDF:1272066.5/22
+ sign 2335.111+/-0.502 χ²/NDF: 39575292.4/46
All: 2236.212+/-0.356 χ²/NDF: 85109683.8/9
- sign 2136.523+/-0.504 χ²/NDF: 45456539.5/50



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2408.813+/-584.948 χ^2/NDF: 21.6/27

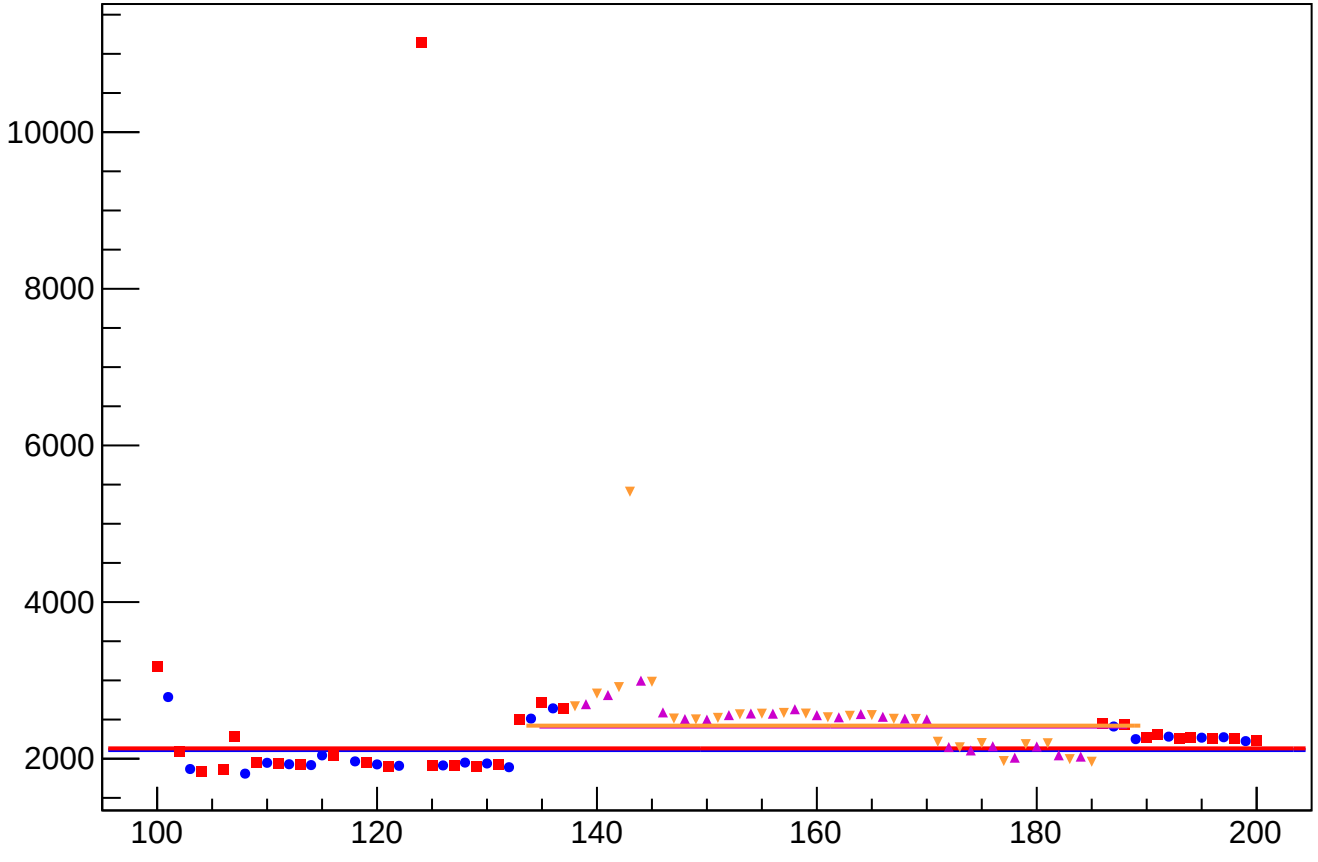
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.949+/-416.360 χ^2/NDF: 58.4/46

All: -701.002+/-290.984 χ^2/NDF: 137.5/97

- sign -2567.492+/-406.831 χ^2/NDF: 36.0/50

cor_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

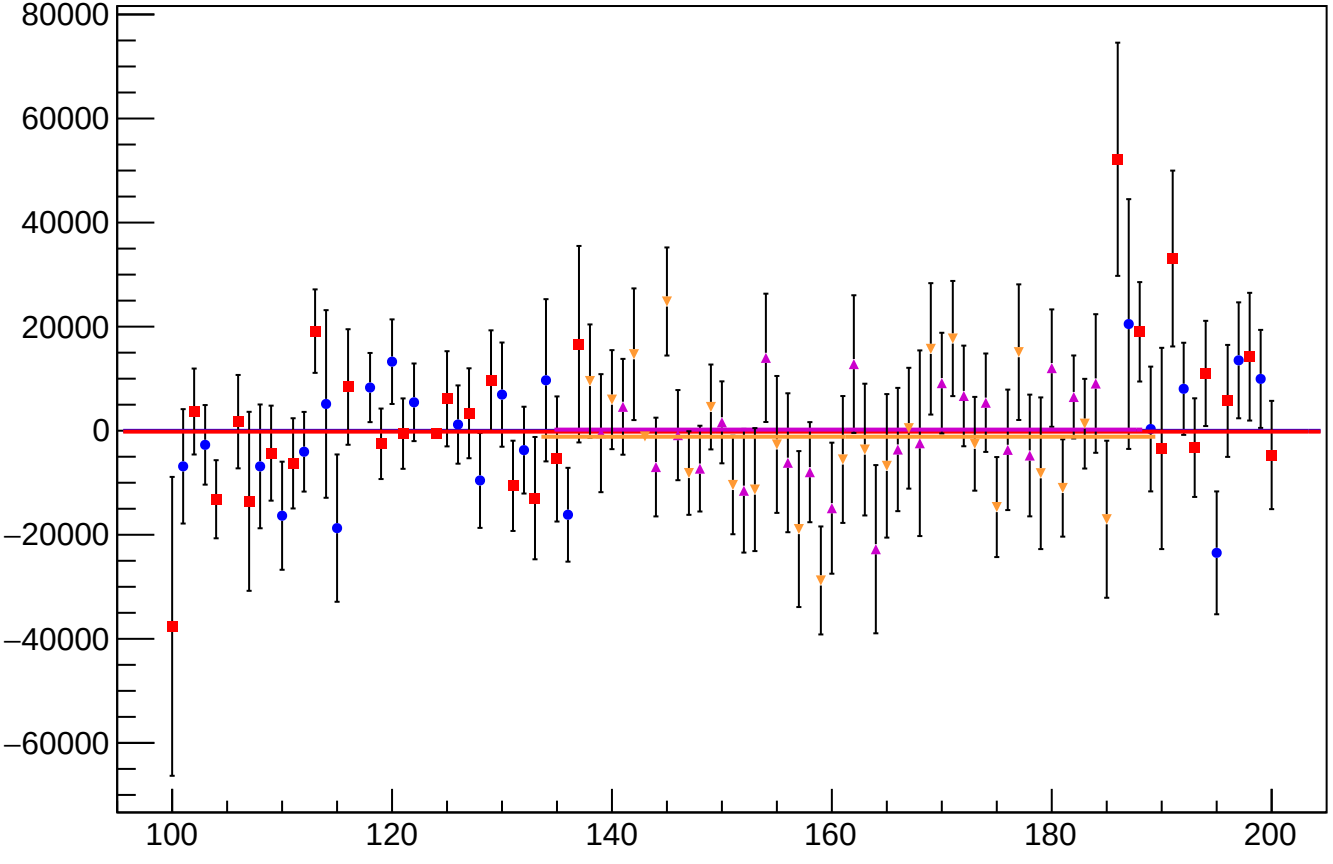
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.6/46

All: 2279.817+/-0.206 χ^2/NDF: 2726329.2/97

- sign 2275.422+/-0.288 χ^2/NDF: 1170787.7/50

asym_atl2_cor_correction_mean vs Slug



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

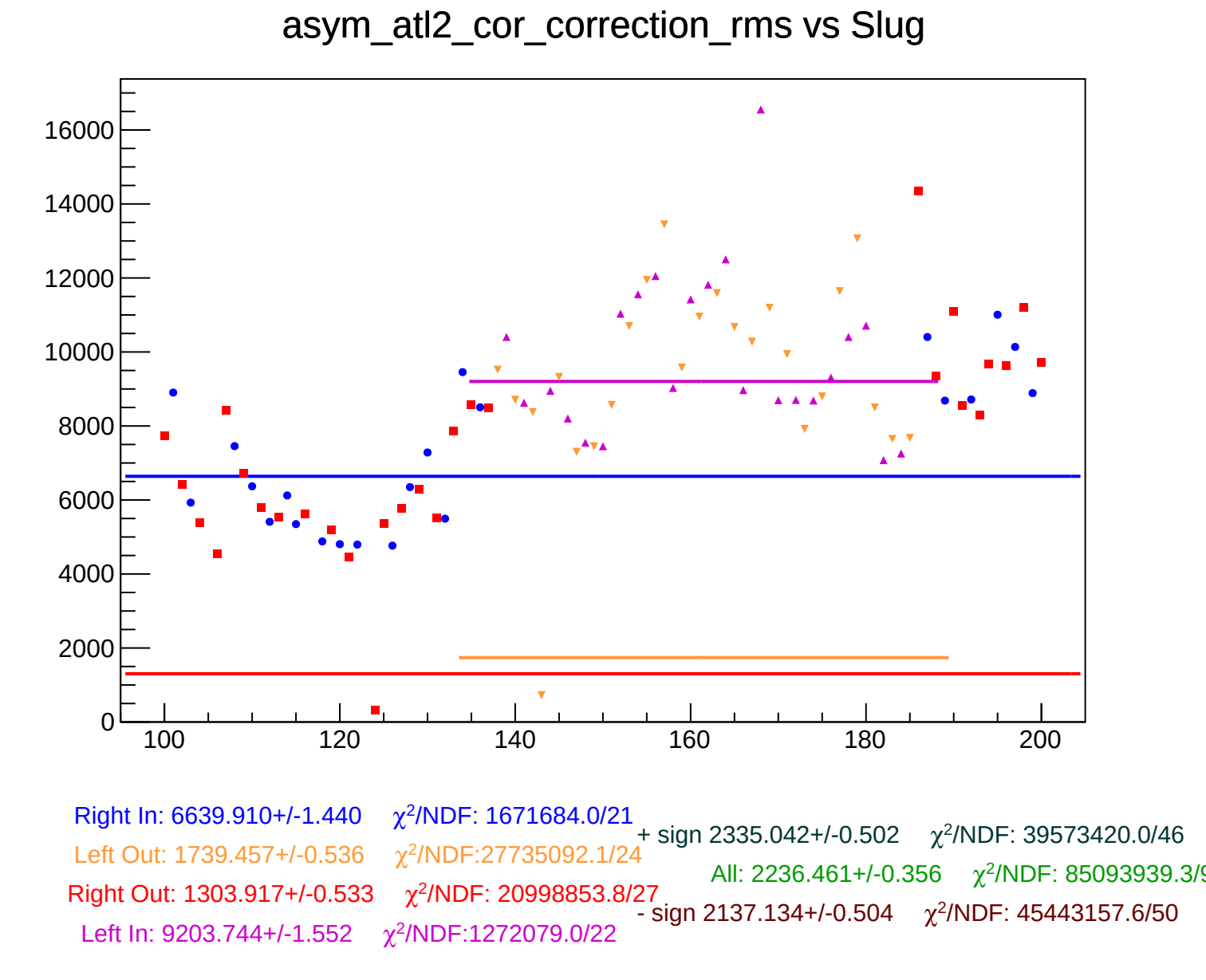
Right Out: -175.404+/-753.736 χ^2/NDF: 34.8/27

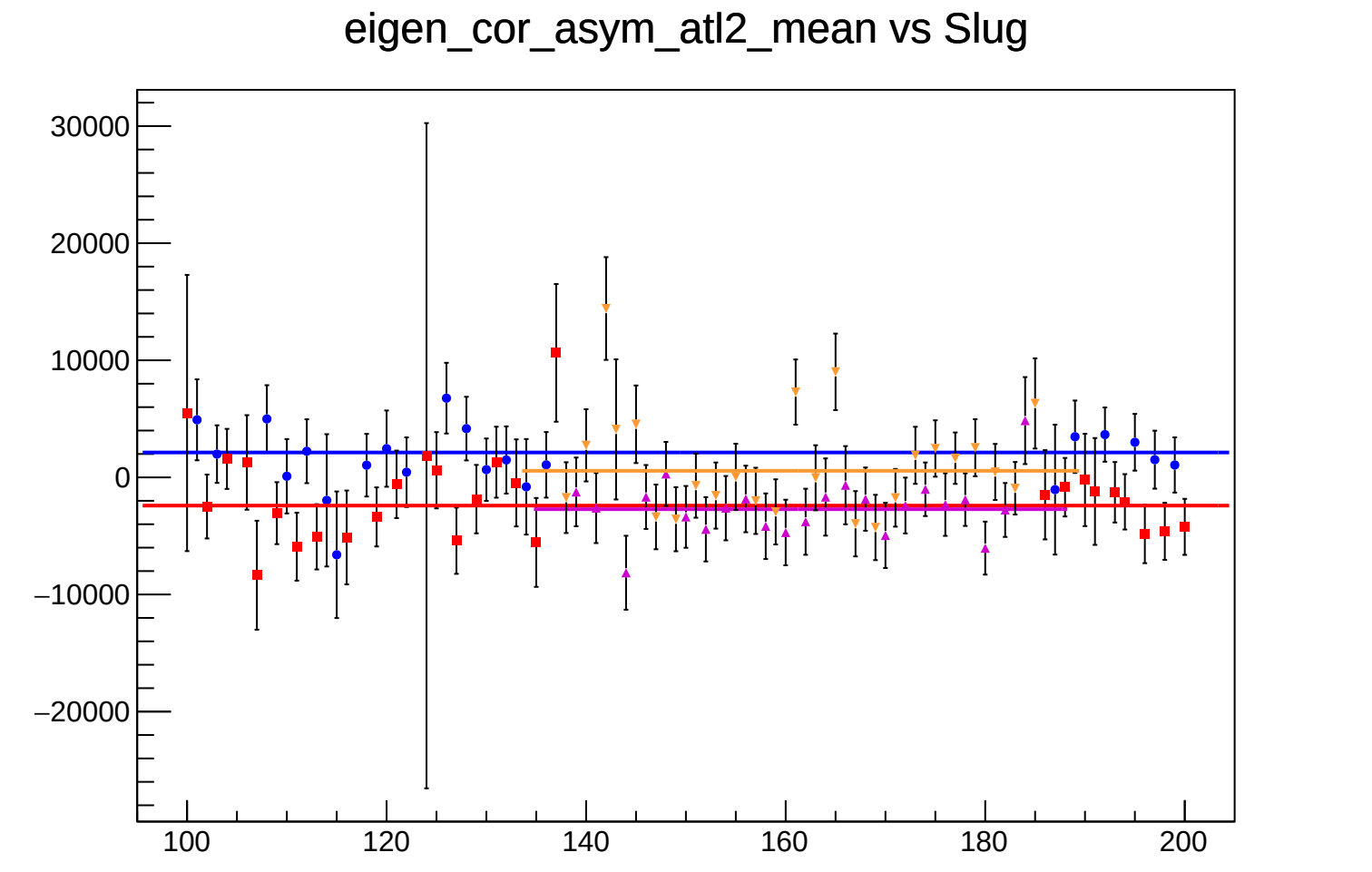
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1020.736+/-710.195 χ^2/NDF: 55.9/46

All: -579.442+/-503.130 χ^2/NDF: 104.9/97

- sign -134.807+/-712.879 χ^2/NDF: 48.3/50


asym_atl2_cor_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6639.910+/-1.440 χ²/NDF: 1671684.0/21
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1303.917+/-0.533 χ²/NDF: 20998853.8/27
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
+ sign 2335.042+/-0.502 χ²/NDF: 39573420.0/46
All: 2236.461+/-0.356 χ²/NDF: 85093939.3/9
- sign 2137.134+/-0.504 χ²/NDF: 45443157.6/50



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2408.813+/-584.948 χ^2/NDF: 21.6/27

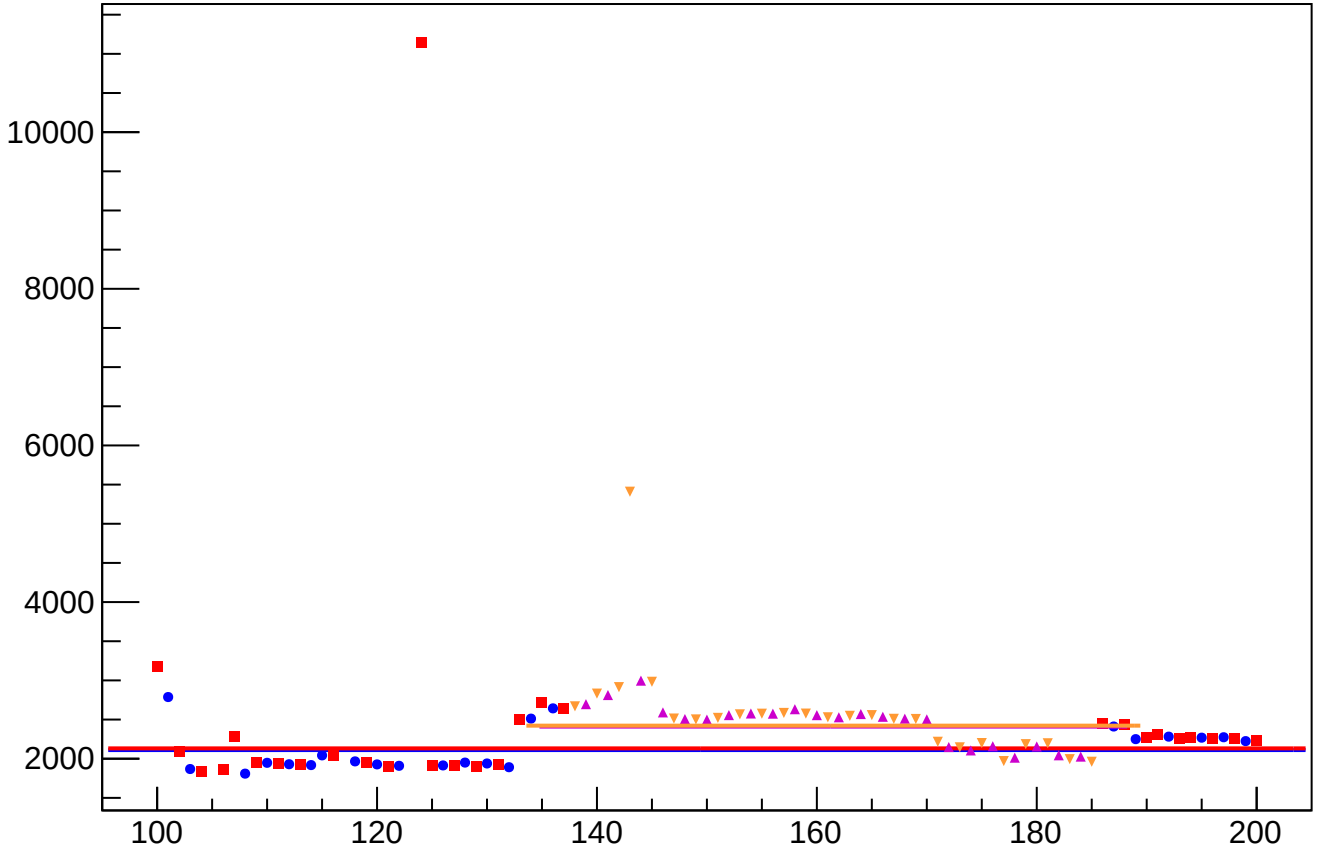
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.949+/-416.360 χ^2/NDF: 58.4/46

All: -701.002+/-290.984 χ^2/NDF: 137.5/97

- sign -2567.492+/-406.831 χ^2/NDF: 36.0/50

eigen_cor_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

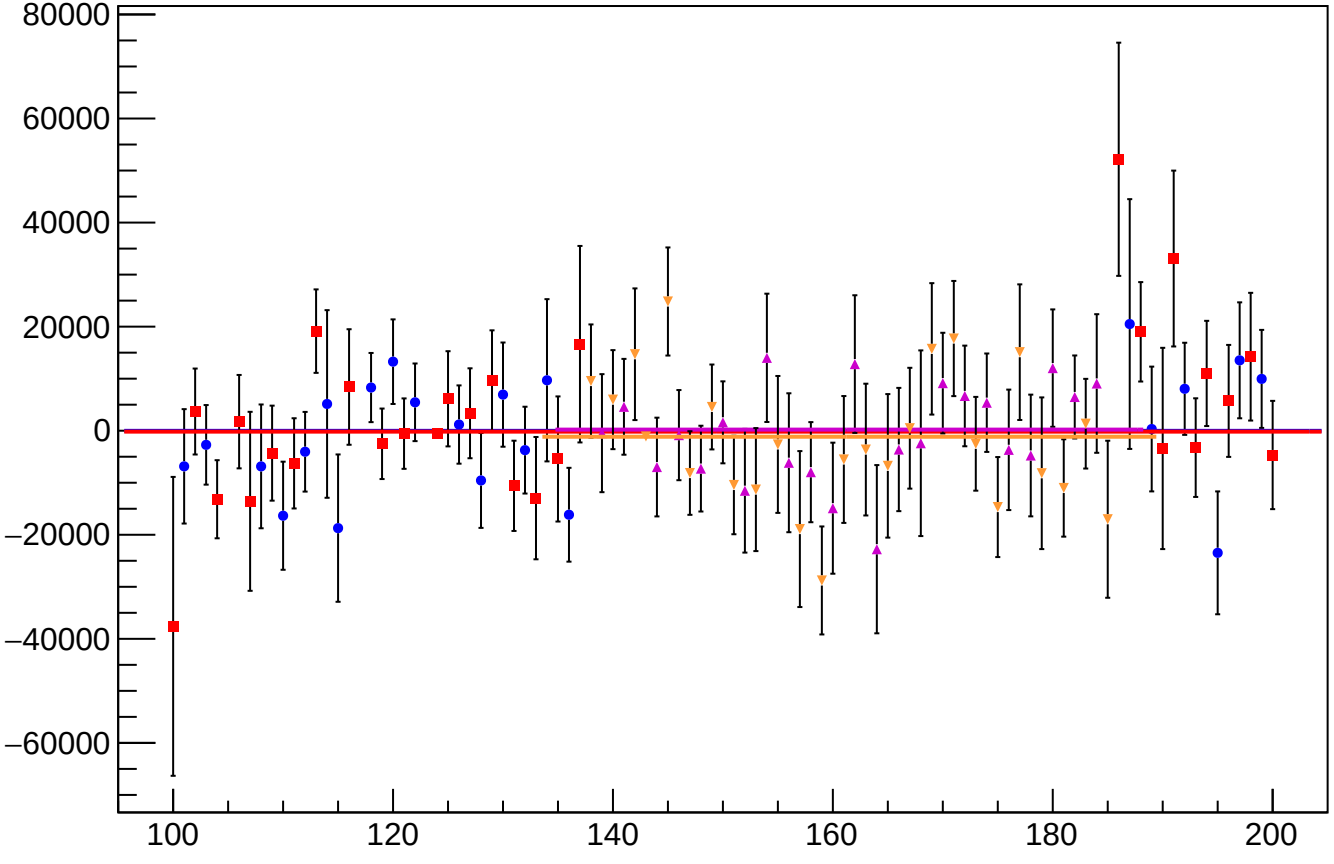
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.6/46

All: 2279.817+/-0.206 χ^2/NDF: 2726329.2/97

- sign 2275.422+/-0.288 χ^2/NDF: 1170787.7/50

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -175.404+/-753.736 χ^2/NDF: 34.8/27

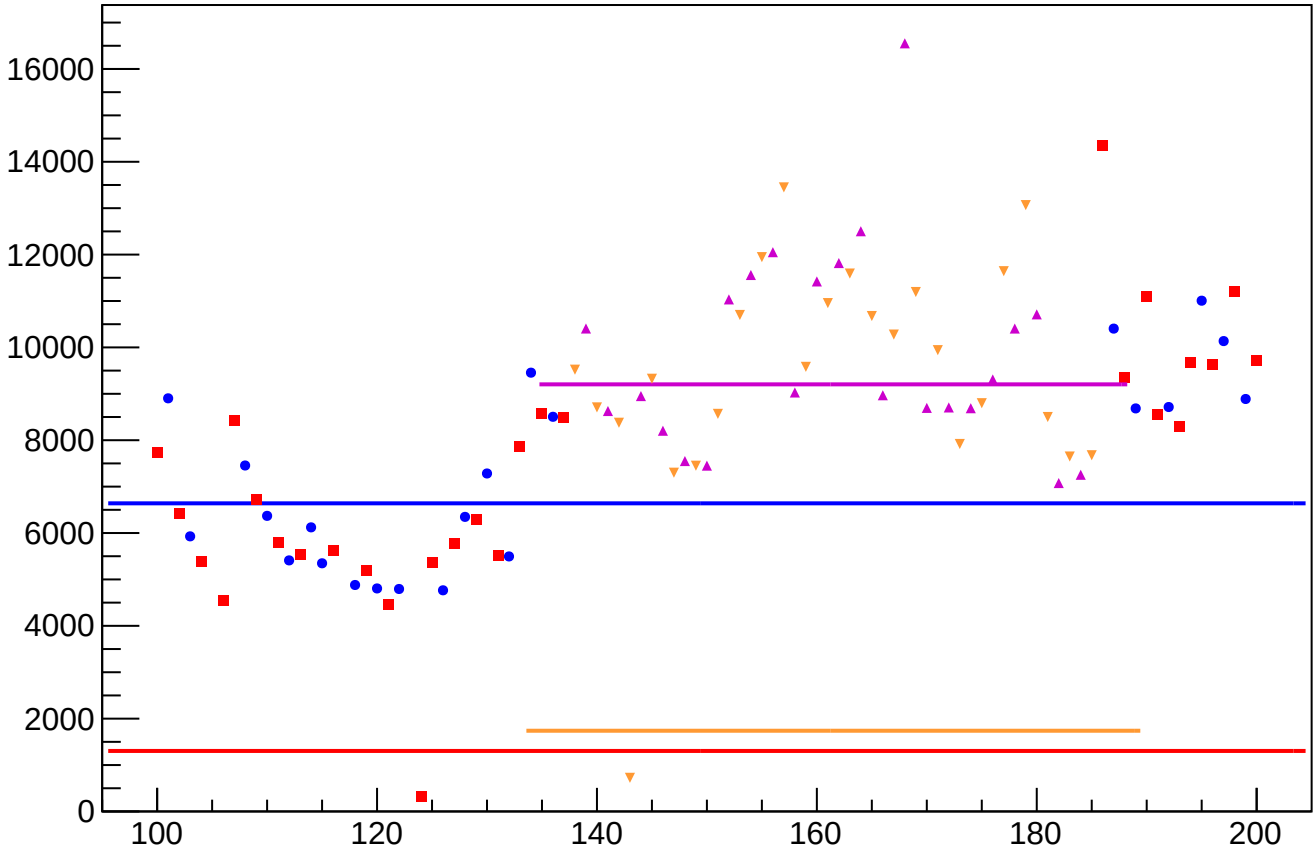
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1020.736+/-710.195 χ^2/NDF: 55.9/46

All: -579.442+/-503.130 χ^2/NDF: 104.9/97

- sign -134.807+/-712.879 χ^2/NDF: 48.3/50

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6639.910+/-1.440 χ^2/NDF: 1671684.0/21

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1303.917+/-0.533 χ^2/NDF: 20998853.8/27

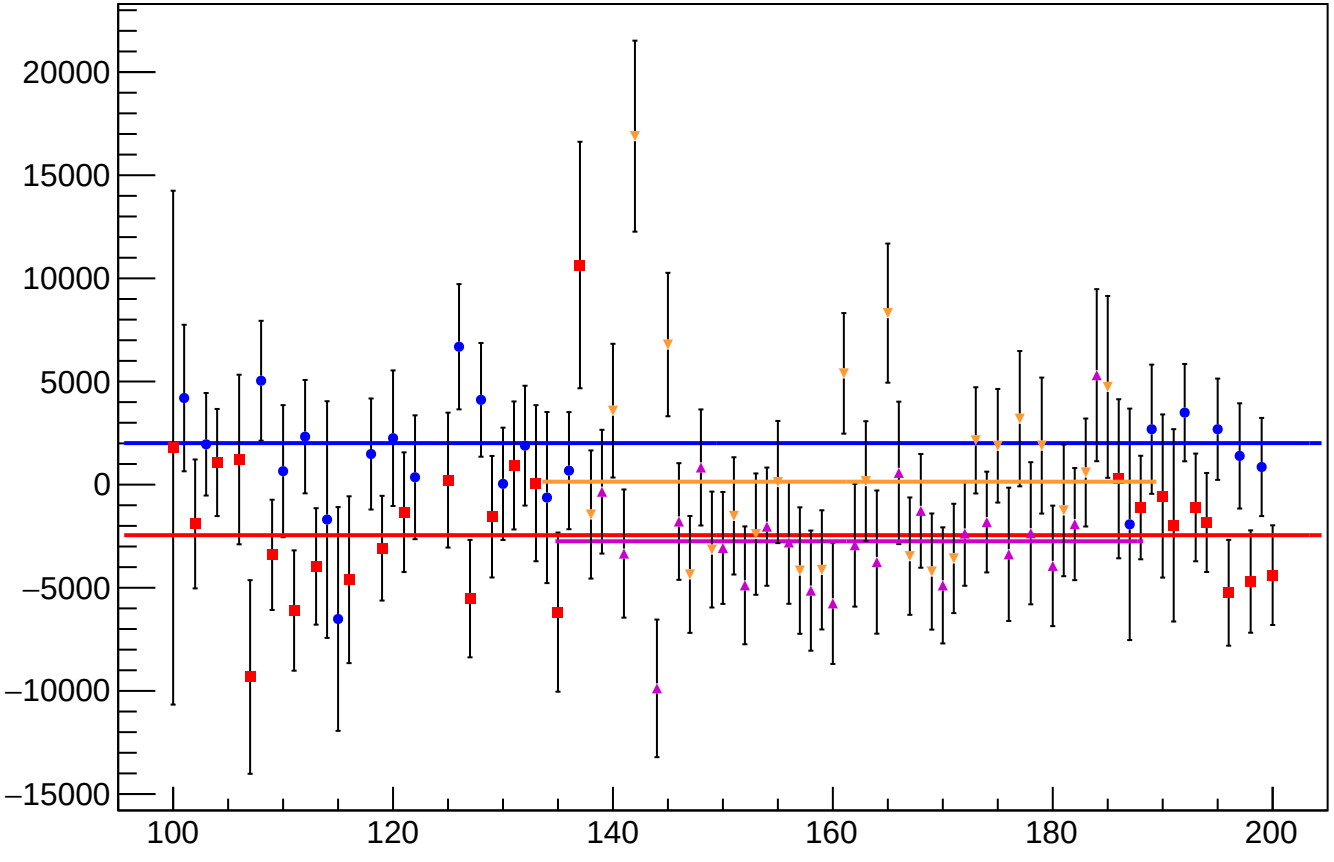
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2335.042+/-0.502 χ^2/NDF: 39573420.0/46

All: 2236.461+/-0.356 χ^2/NDF: 85093939.3/9

- sign 2137.134+/-0.504 χ^2/NDF: 45443157.6/50

dit_asym_atl2_mean vs Slug



Right In: 2012.062+/-634.914 χ^2/NDF: 10.3/21

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2450.598+/-595.203 χ^2/NDF: 20.7/26

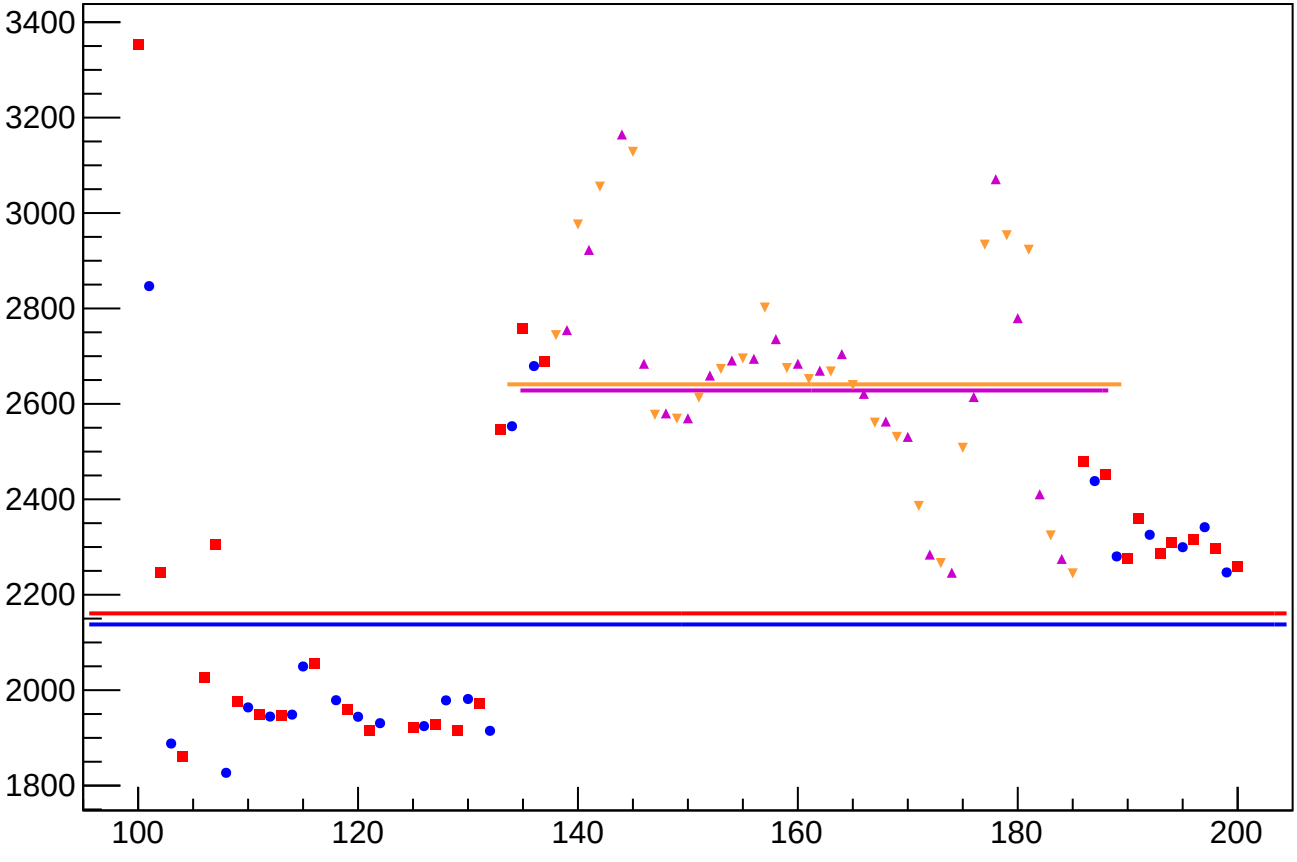
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1048.610+/-442.014 χ^2/NDF: 60.6/45

All: -830.607+/-307.505 χ^2/NDF: 131.9/95

- sign -2593.191+/-428.077 χ^2/NDF: 36.3/49

dit_asym_atl2_rms vs Slug



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.0/21

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2160.886+/-0.420 χ^2/NDF: 315097.4/26

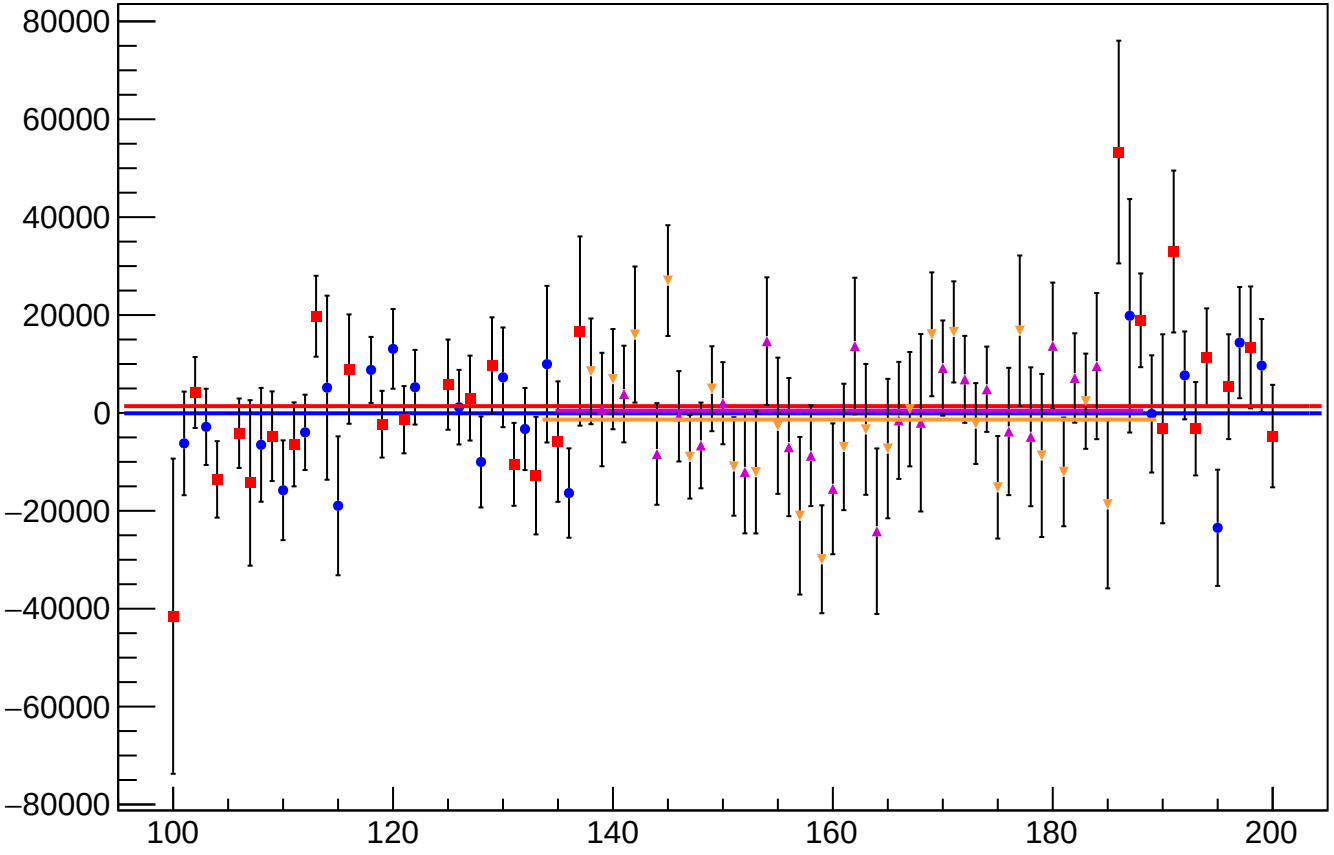
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2397.080+/-0.313 χ^2/NDF: 1241528.6/45

All: 2391.475+/-0.217 χ^2/NDF: 2390202.0/95

- sign 2386.223+/-0.303 χ^2/NDF: 1148050.5/49

asym_atl2_dit_correction_mean vs Slug



Right In: -75.123+/-2054.396 χ^2/NDF: 23.5/21

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1385.728+/-1888.112 χ^2/NDF: 34.4/26

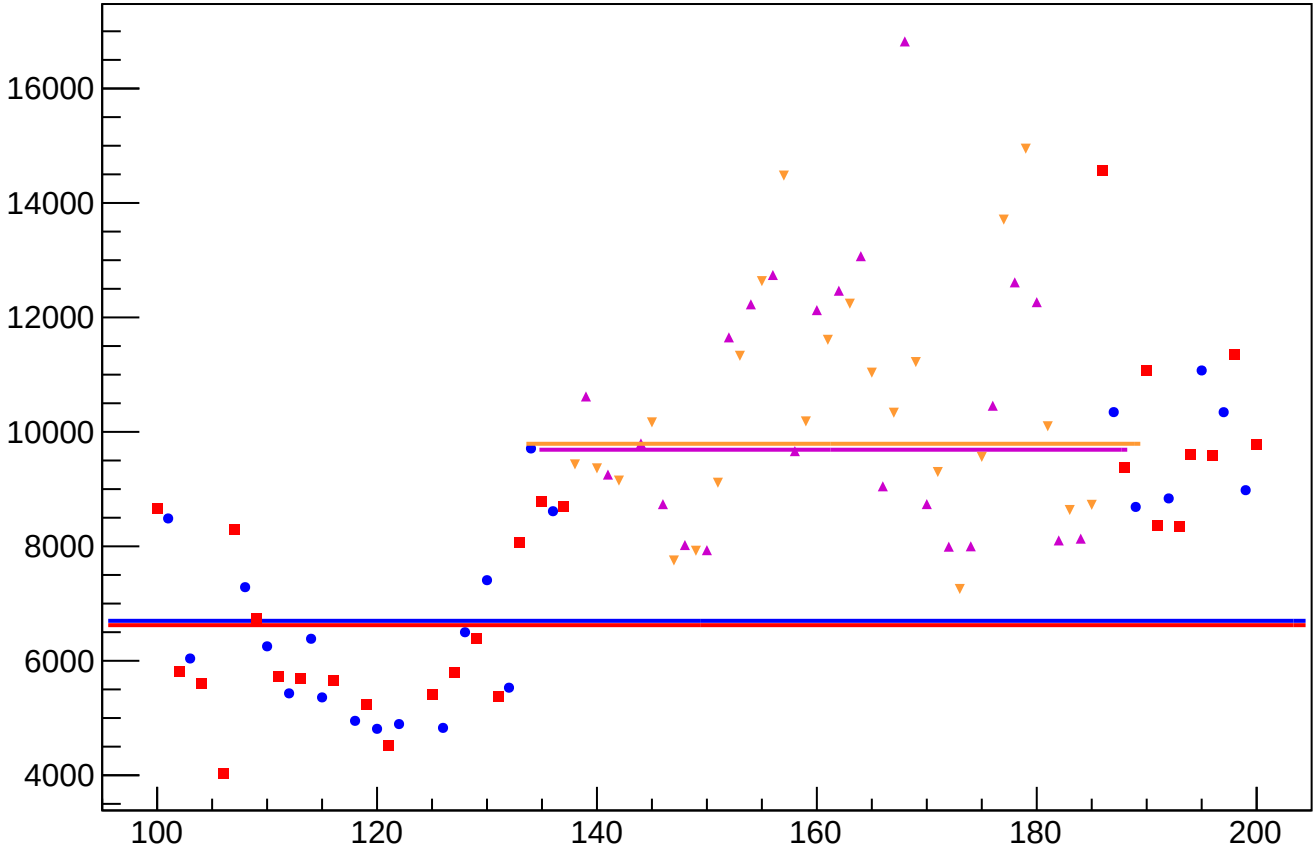
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -641.117+/-1539.877 χ^2/NDF: 54.9/45

All: 230.518+/-1060.648 χ^2/NDF: 103.1/95

- sign 1017.333+/-1463.037 χ^2/NDF: 47.6/49

asym_atl2_dit_correction_rms vs Slug



Right In: 6698.659+/-1.453 χ^2/NDF: 1643390.3/21

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

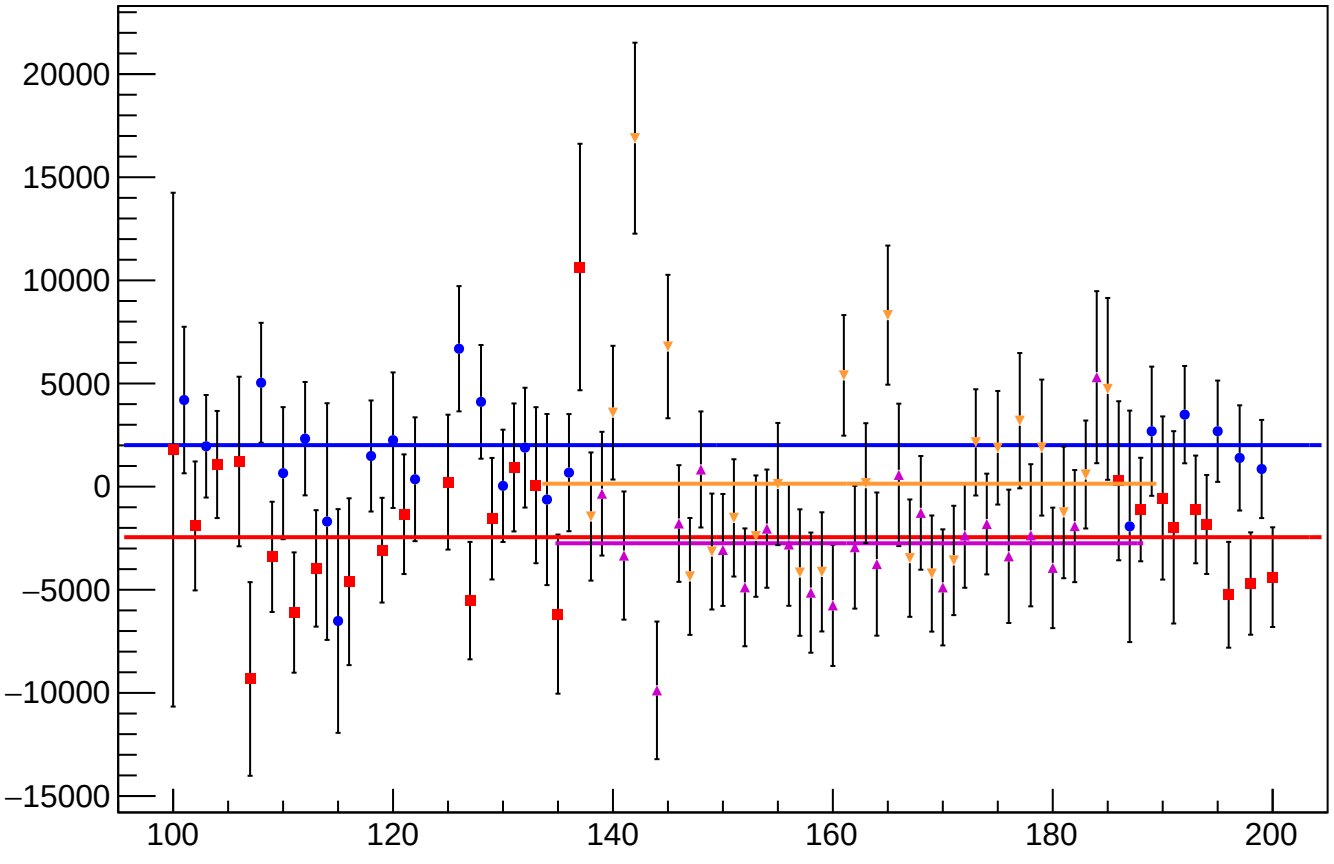
Right Out: 6622.758+/-1.335 χ^2/NDF: 2298696.8/26

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8054.176+/-1.089 χ^2/NDF: 4849588.2/45

All: 7945.627+/-0.750 χ^2/NDF: 10651854.9/9

- sign 7847.641+/-1.035 χ^2/NDF: 5783357.3/49



Right In: 2012.060+/-634.914 χ^2/NDF: 10.3/21

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2450.599+/-595.203 χ^2/NDF: 20.7/26

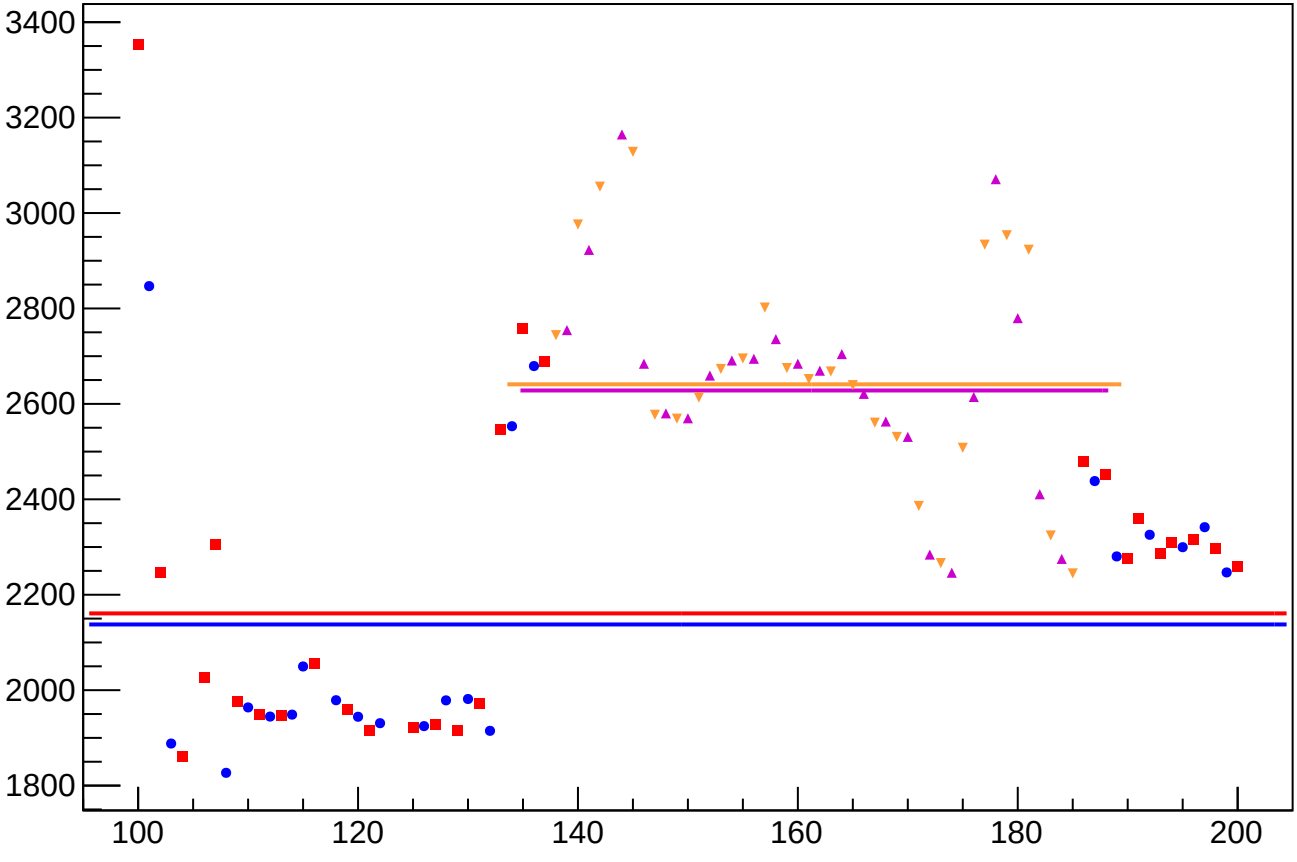
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1048.605+/-442.014 χ^2/NDF: 60.6/45

All: -830.610+/-307.505 χ^2/NDF: 131.9/95

- sign -2593.190+/-428.077 χ^2/NDF: 36.3/49

eigen_dit_asym_atl2_rms vs Slug



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.1/21

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2160.886+/-0.420 χ^2/NDF: 315097.9/26

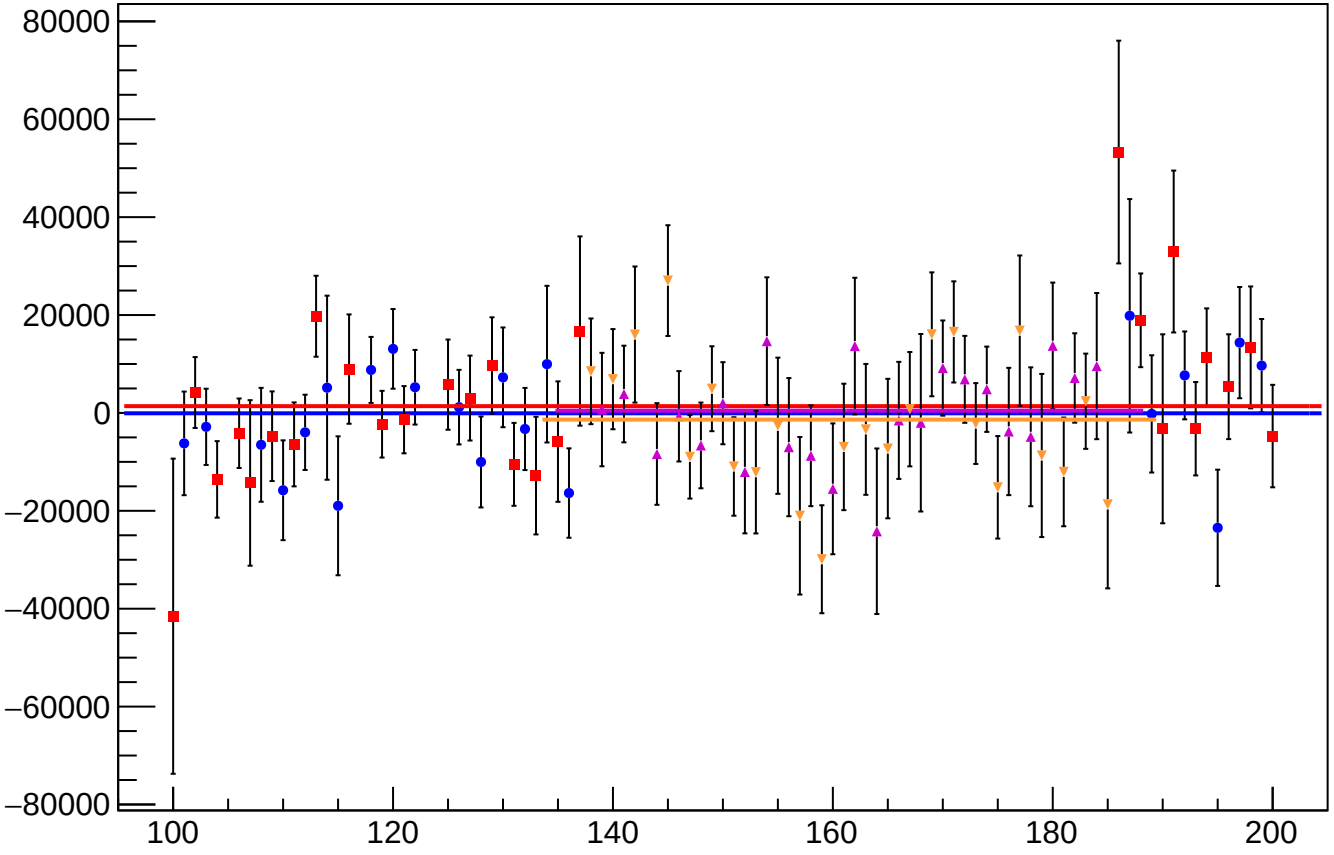
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2397.081+/-0.313 χ^2/NDF: 1241542.9/45

All: 2391.476+/-0.217 χ^2/NDF: 2390231.0/95

- sign 2386.224+/-0.303 χ^2/NDF: 1148065.1/49

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -75.116+/-2054.392 χ^2/NDF: 23.5/21

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1385.716+/-1888.109 χ^2/NDF: 34.4/26

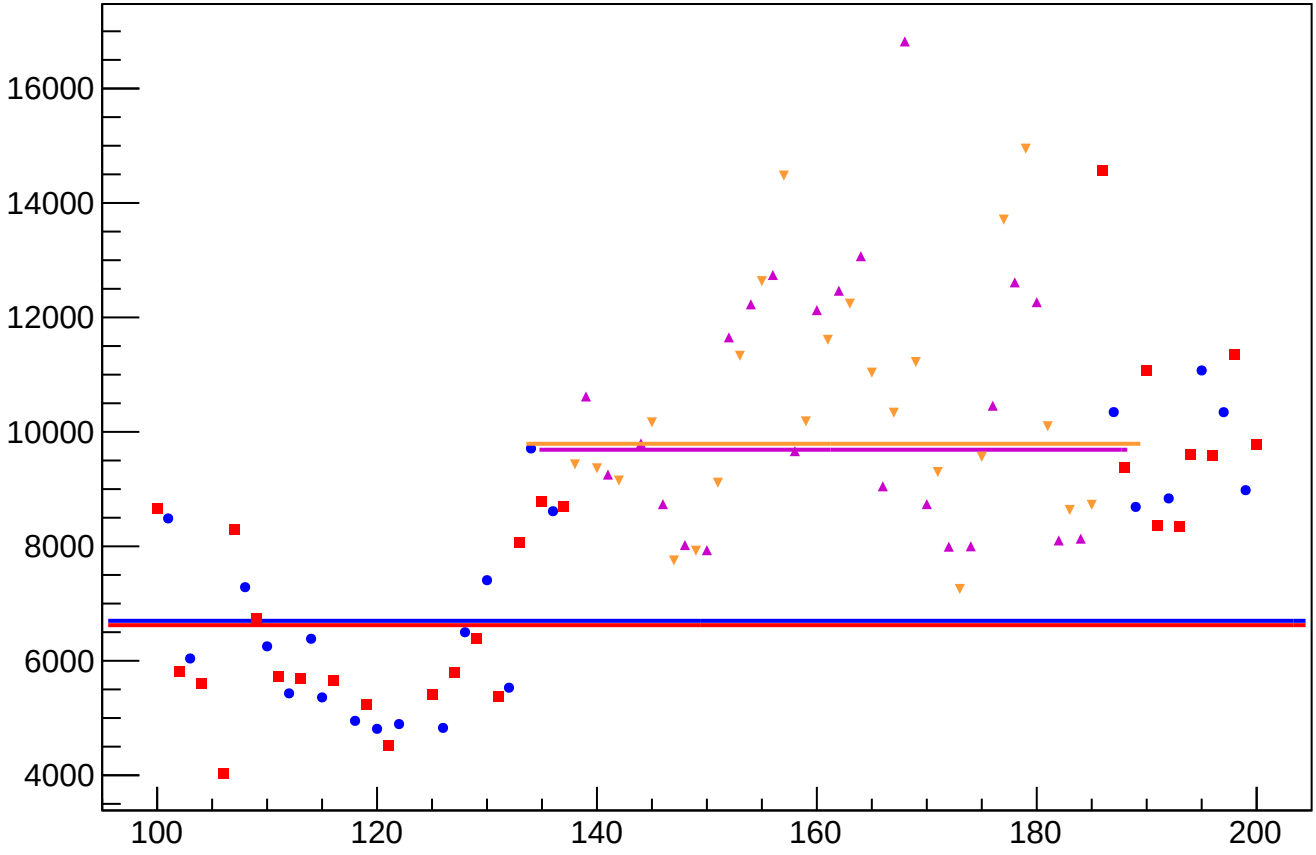
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -641.115+/-1539.876 χ^2/NDF: 54.9/45

All: 230.516+/-1060.647 χ^2/NDF: 103.1/95

\- sign 1017.329+/-1463.036 χ^2/NDF: 47.6/49

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6698.640+/-1.453 χ^2/NDF: 1643415.9/21

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6622.742+/-1.335 χ^2/NDF: 2298720.3/26

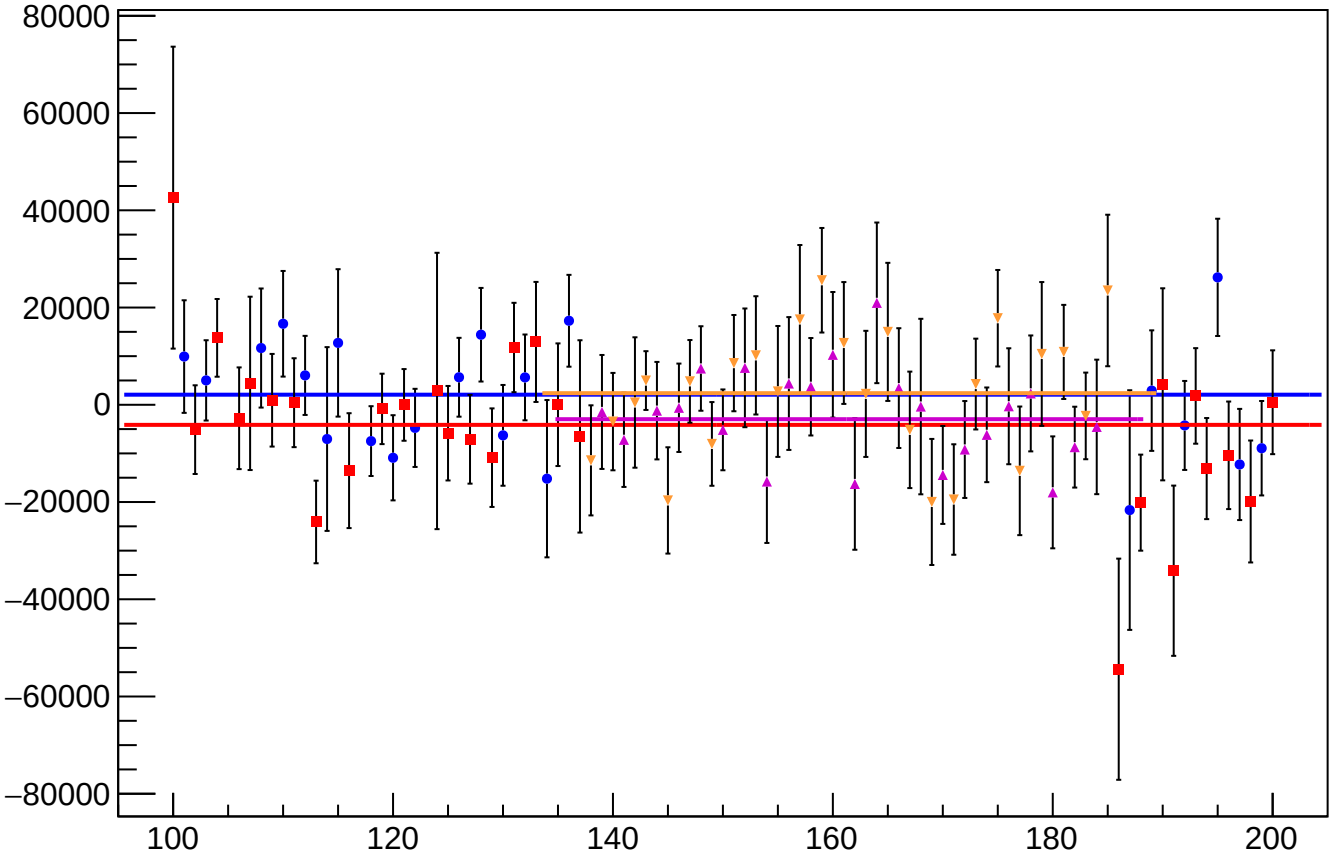
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8054.167+/-1.089 χ^2/NDF: 4849659.0/45

All: 7945.618+/-0.750 χ^2/NDF: 10651993.2/9

- sign 7847.632+/-1.035 χ^2/NDF: 5783424.7/49

asym_atl2_mean vs Slug



Right In: 2075.845+/-2152.287 χ^2/NDF: 23.3/21

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4130.378+/-2023.631 χ^2/NDF: 34.2/27

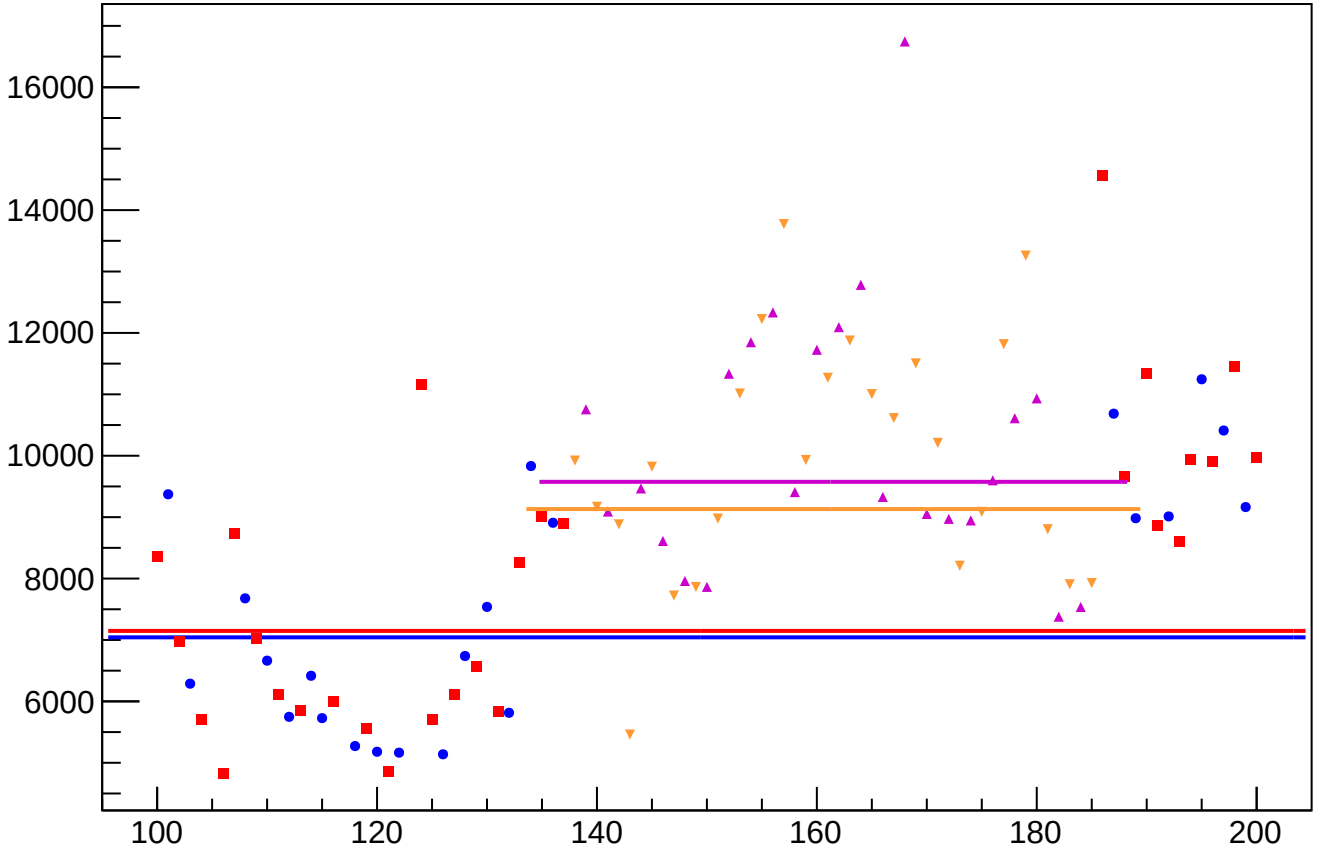
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2232.997+/-1516.295 χ^2/NDF: 53.1/46

All: -697.516+/-1071.075 χ^2/NDF: 107.9/97

- sign -3615.950+/-1513.167 χ^2/NDF: 47.4/50

asym_atl2_rms vs Slug



Right In: 7042.776+/-1.522 χ^2/NDF: 1485081.8/21

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7147.687+/-1.431 χ^2/NDF: 1937071.2/27

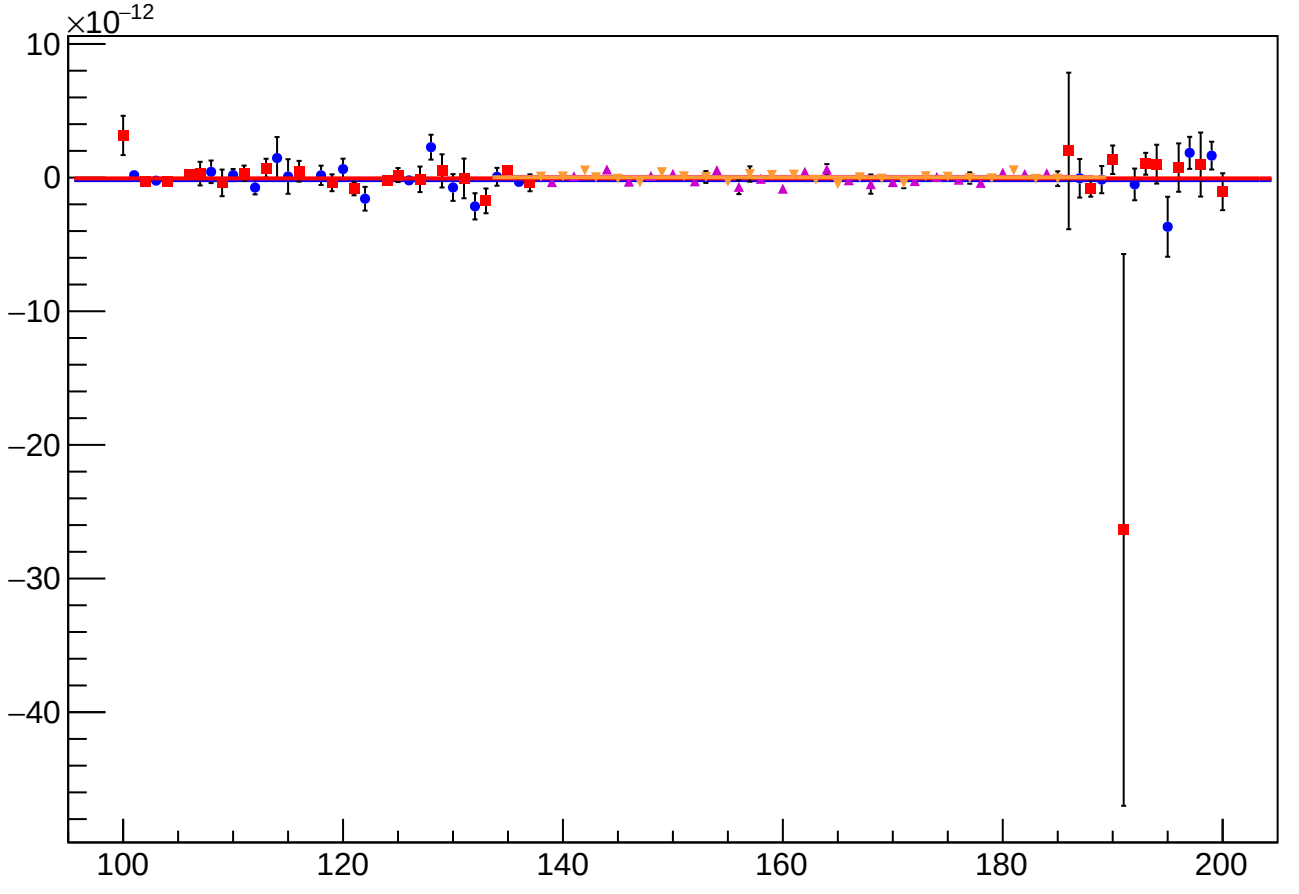
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8094.919+/-1.072 χ^2/NDF: 4245665.6/46

All: 8156.547+/-0.757 χ^2/NDF: 8612000.0/97

- sign 8217.922+/-1.070 χ^2/NDF: 4359740.1/50

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/27

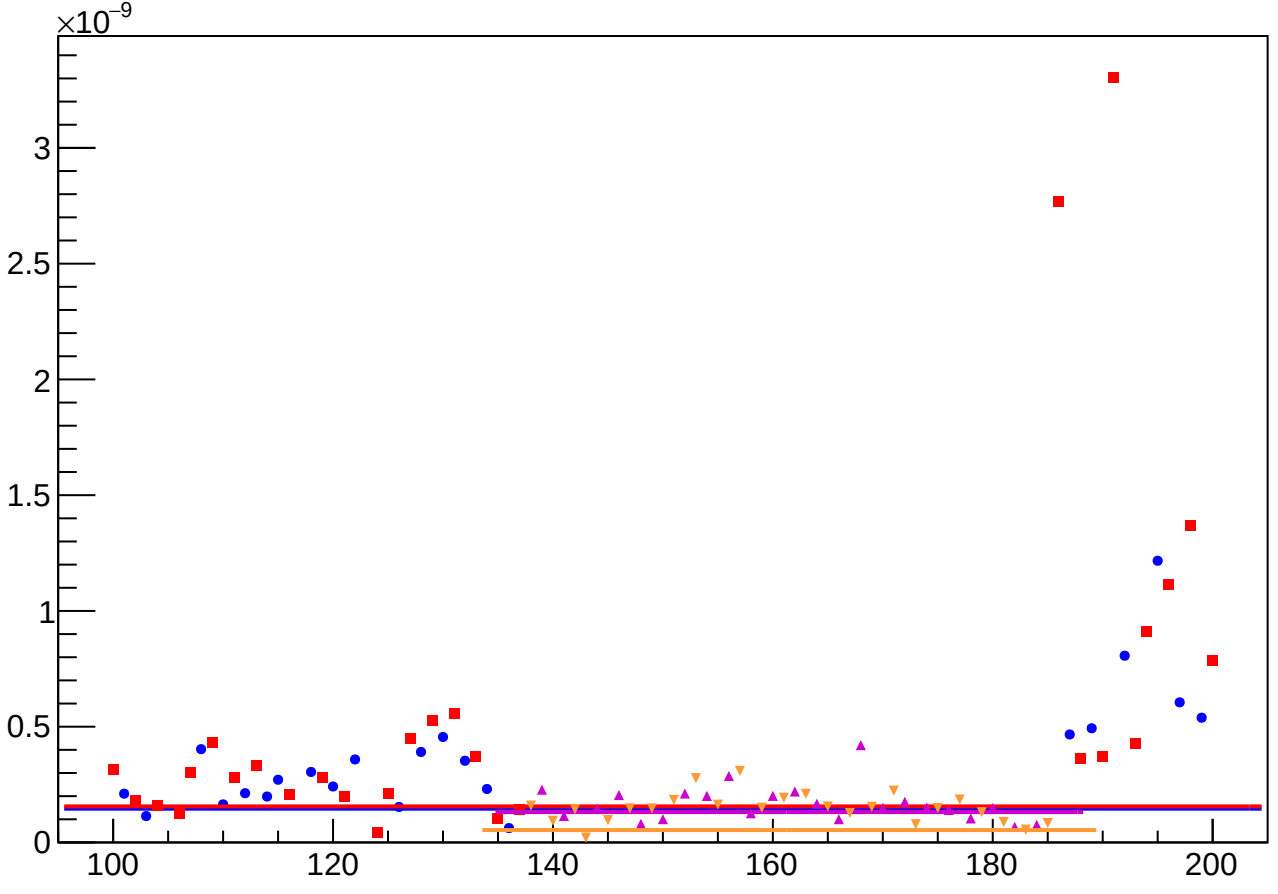
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/46

All: 0.000+/-0.000 χ^2/NDF: 118.8/97

- sign 0.000+/-0.000 χ^2/NDF: 66.7/50

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3770611.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5398476.2/27

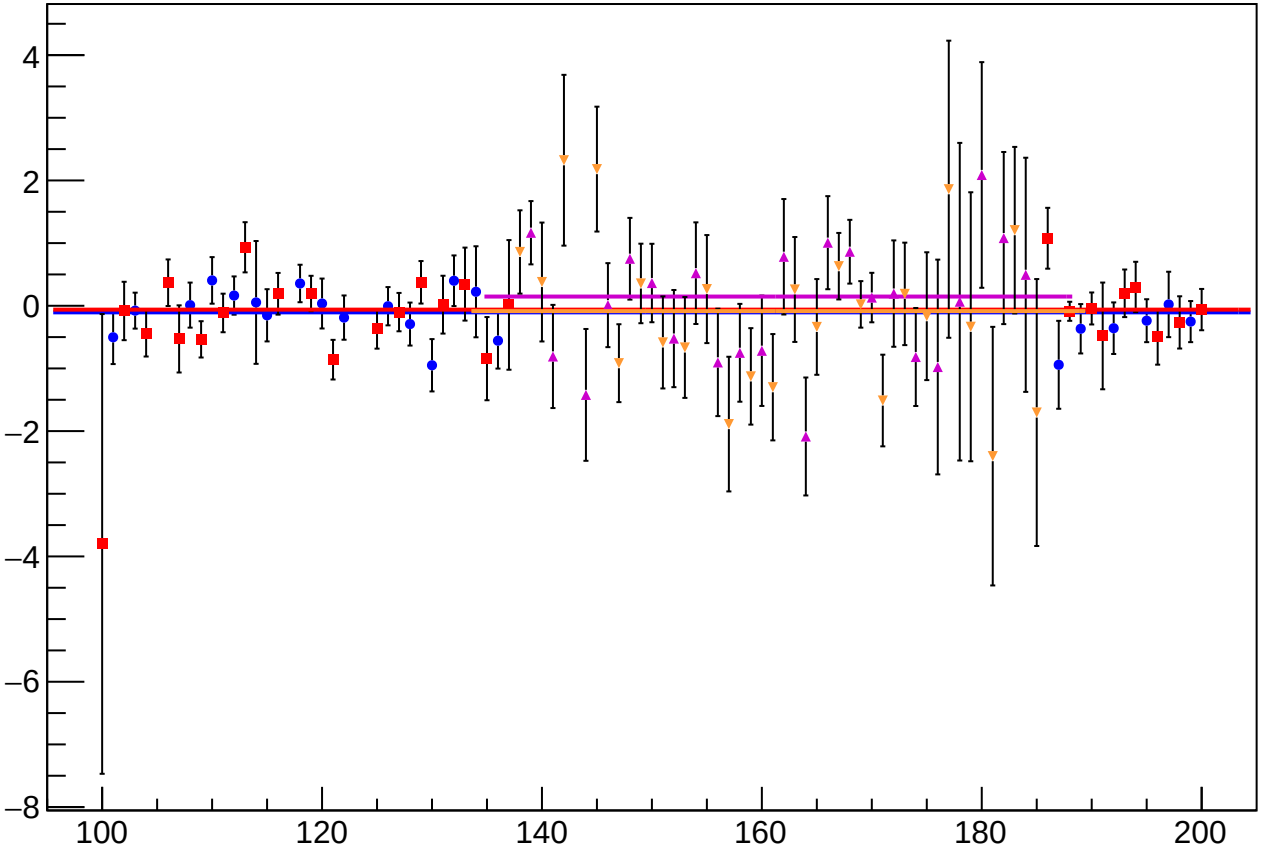
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12787126.9/46

All: 0.000+/-0.000 χ^2/NDF: 23968810.8/97

- sign 0.000+/-0.000 χ^2/NDF: 7406815.4/50

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

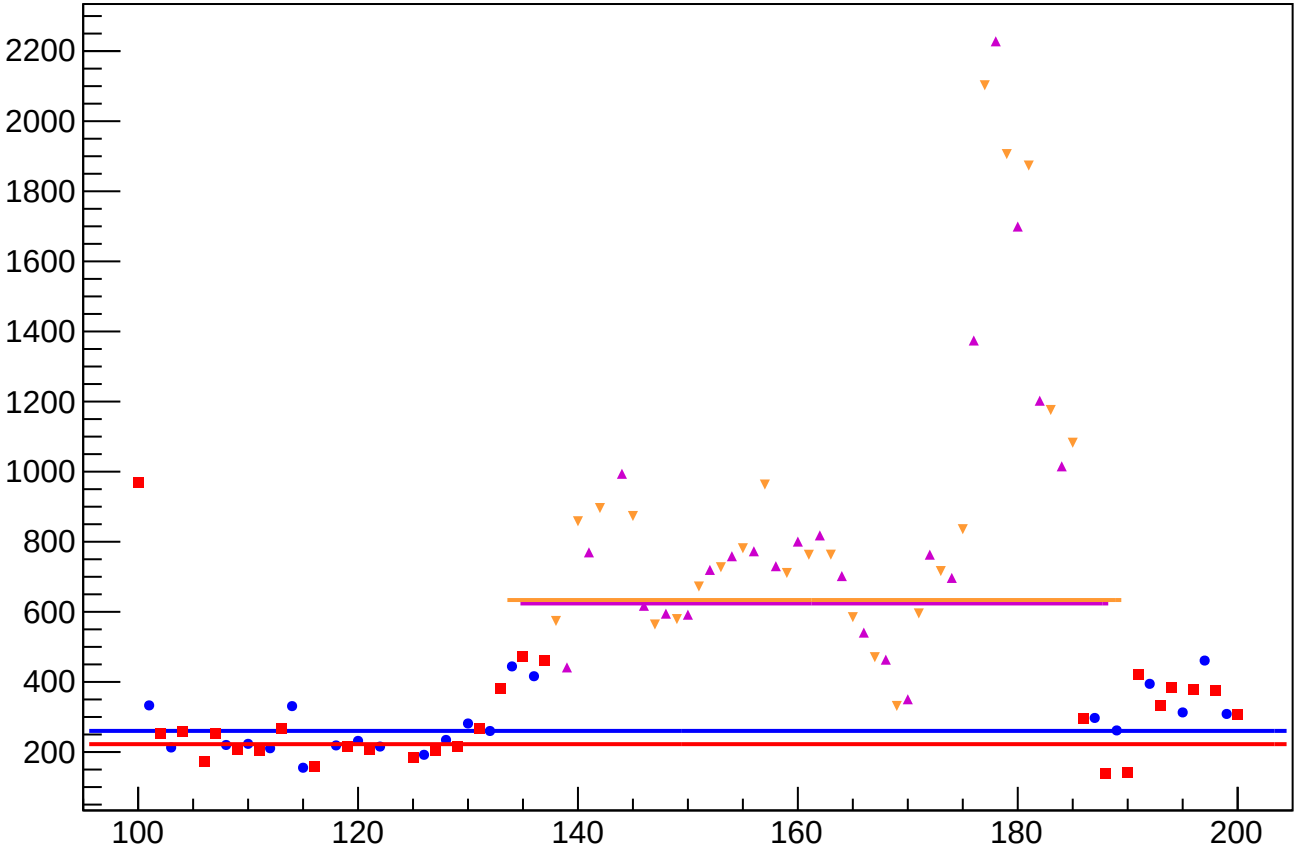
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.060+/-0.047 χ^2/NDF: 108.6/95

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

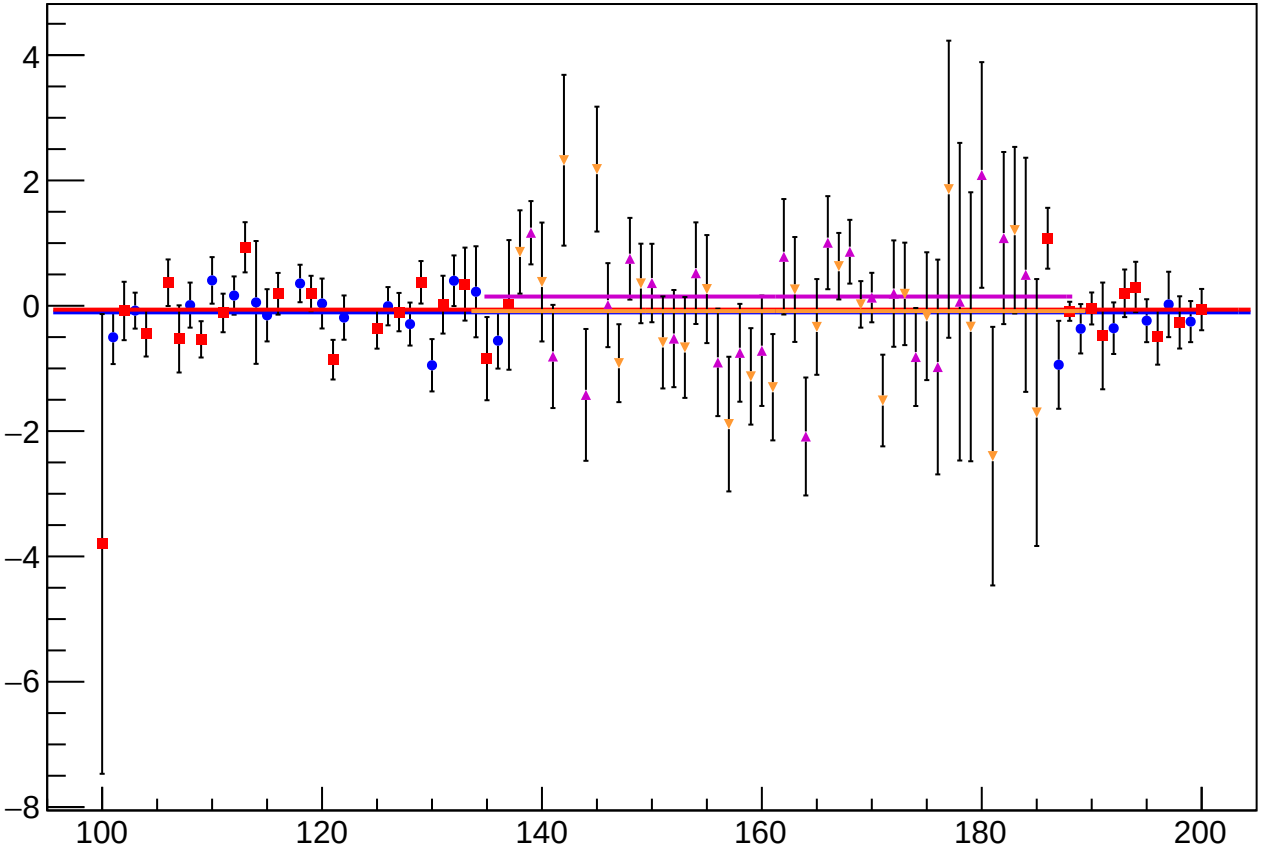
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.526+/-0.052 χ^2/NDF: 15032979.0/45

All: 305.982+/-0.033 χ^2/NDF: 34053515.6/95

- sign 283.971+/-0.044 χ^2/NDF: 18417251.7/49

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

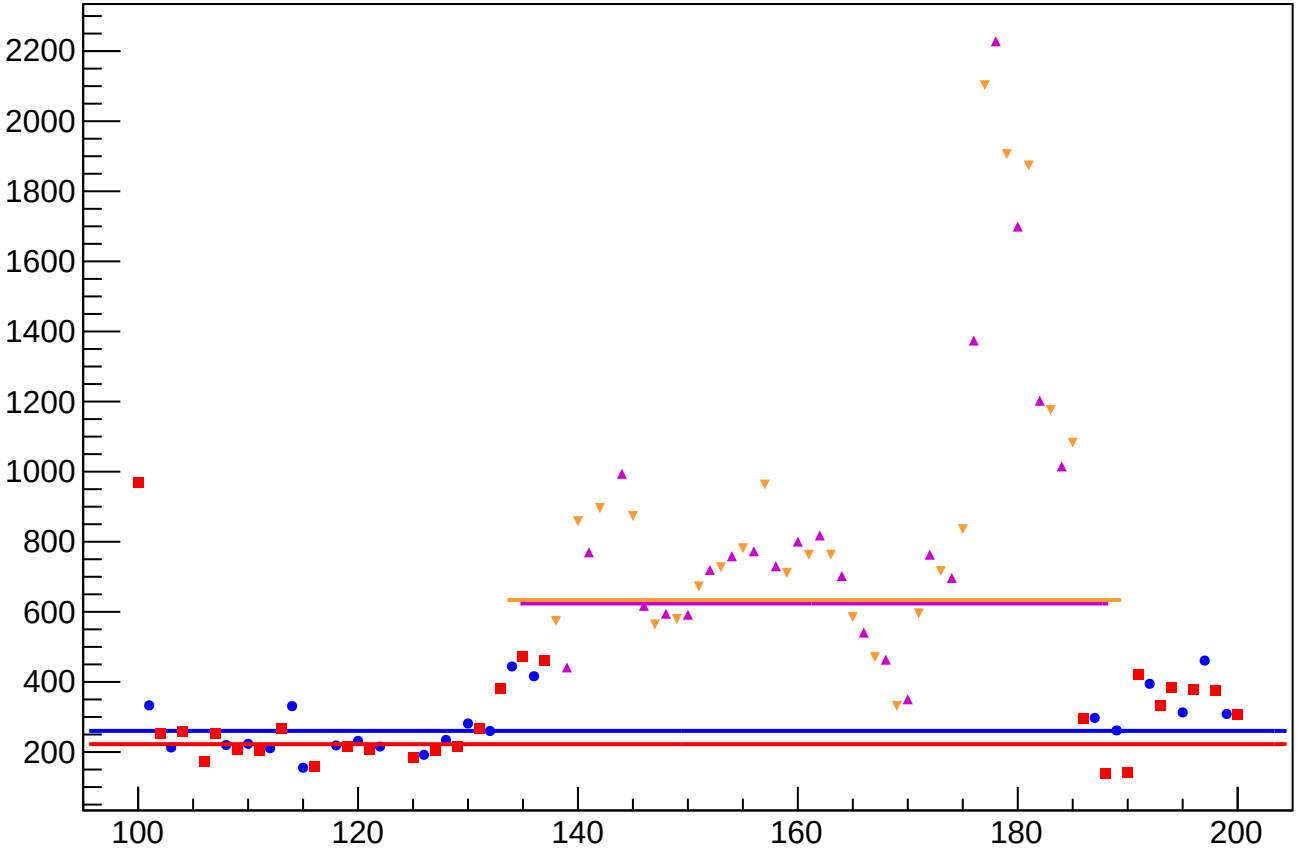
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.060+/-0.047 χ^2/NDF: 108.6/95

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

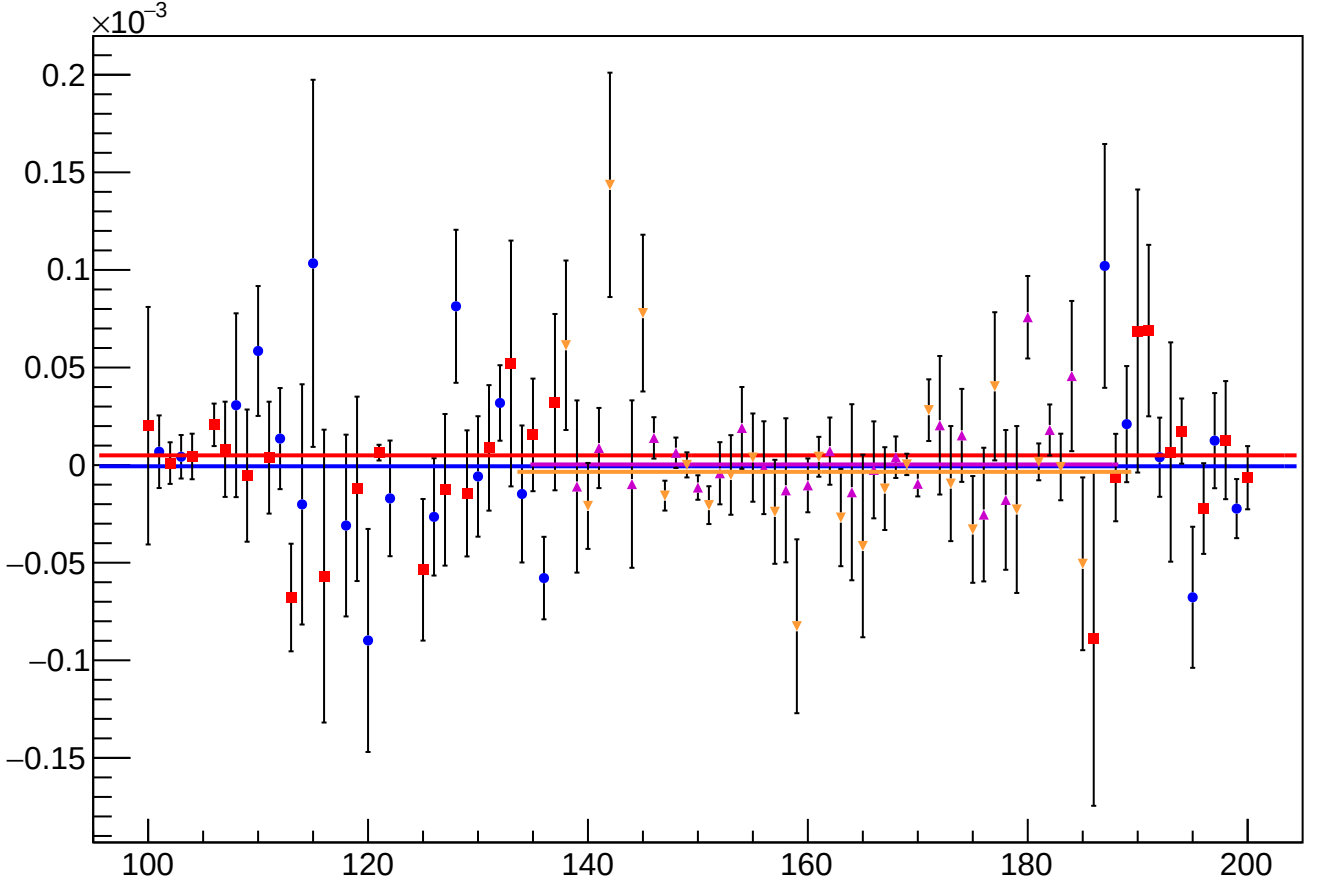
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.526+/-0.052 χ^2/NDF: 15032979.0/45

All: 305.982+/-0.033 χ^2/NDF: 34053515.6/95

- sign 283.971+/-0.044 χ^2/NDF: 18417251.7/49

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/26

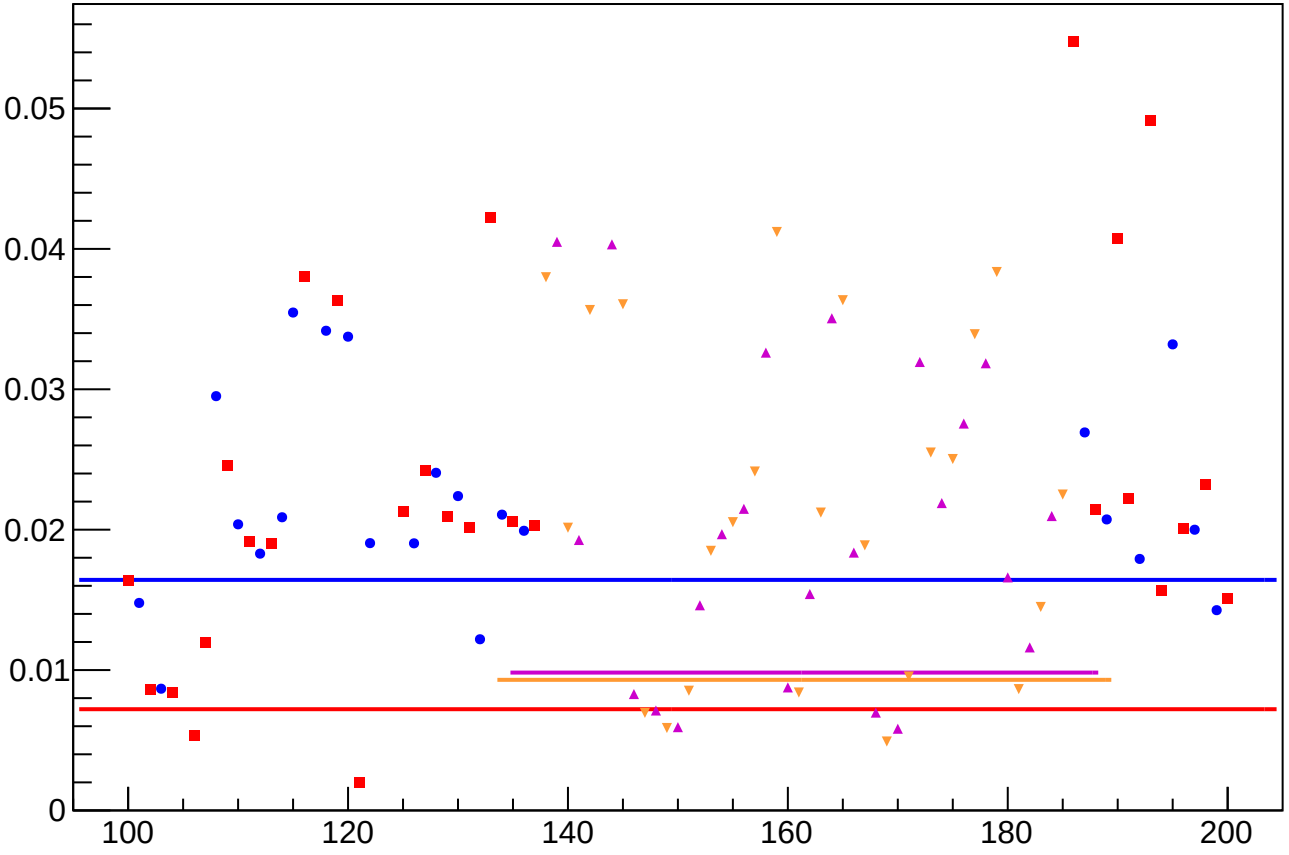
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.8/45

All: 0.000+/-0.000 χ^2/NDF: 121.1/95

- sign 0.000+/-0.000 χ^2/NDF: 50.5/49

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2733057.6/21

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 13862465.2/26

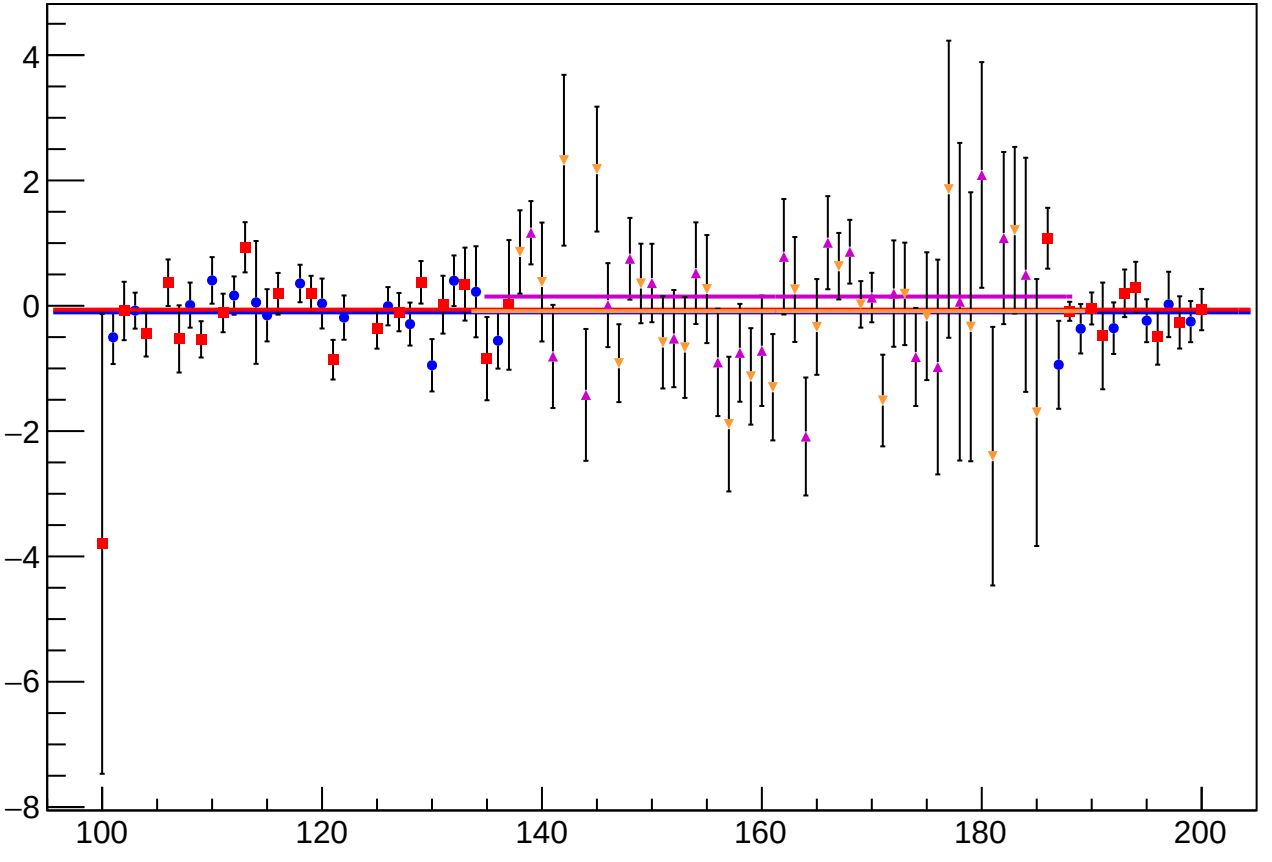
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17775768.0/45

All: 0.010+/-0.000 χ^2/NDF: 43703612.1/95

- sign 0.009+/-0.000 χ^2/NDF: 24953104.2/49

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

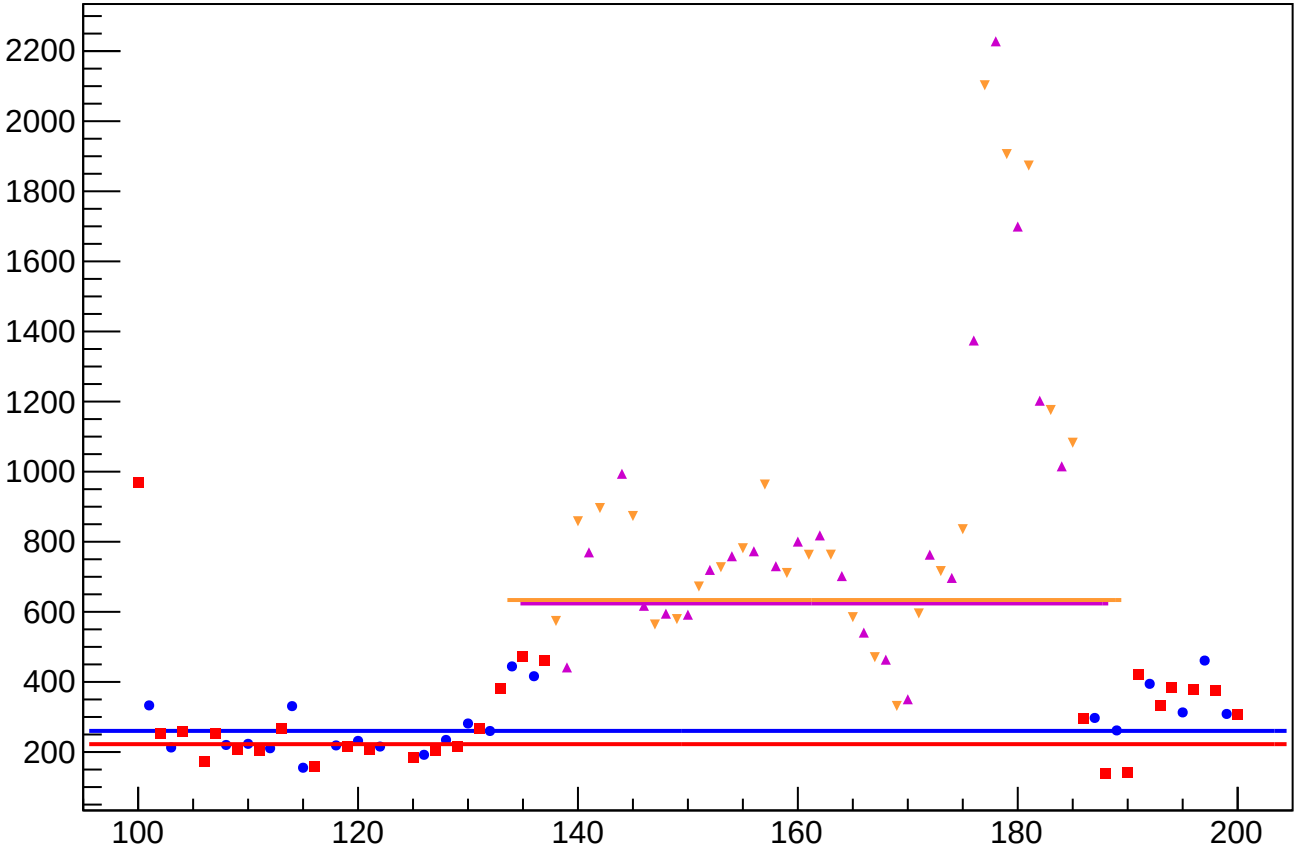
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.060+/-0.047 χ^2/NDF: 108.6/95

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 222.461+/-0.048 χ^2/NDF: 2971656.6/26

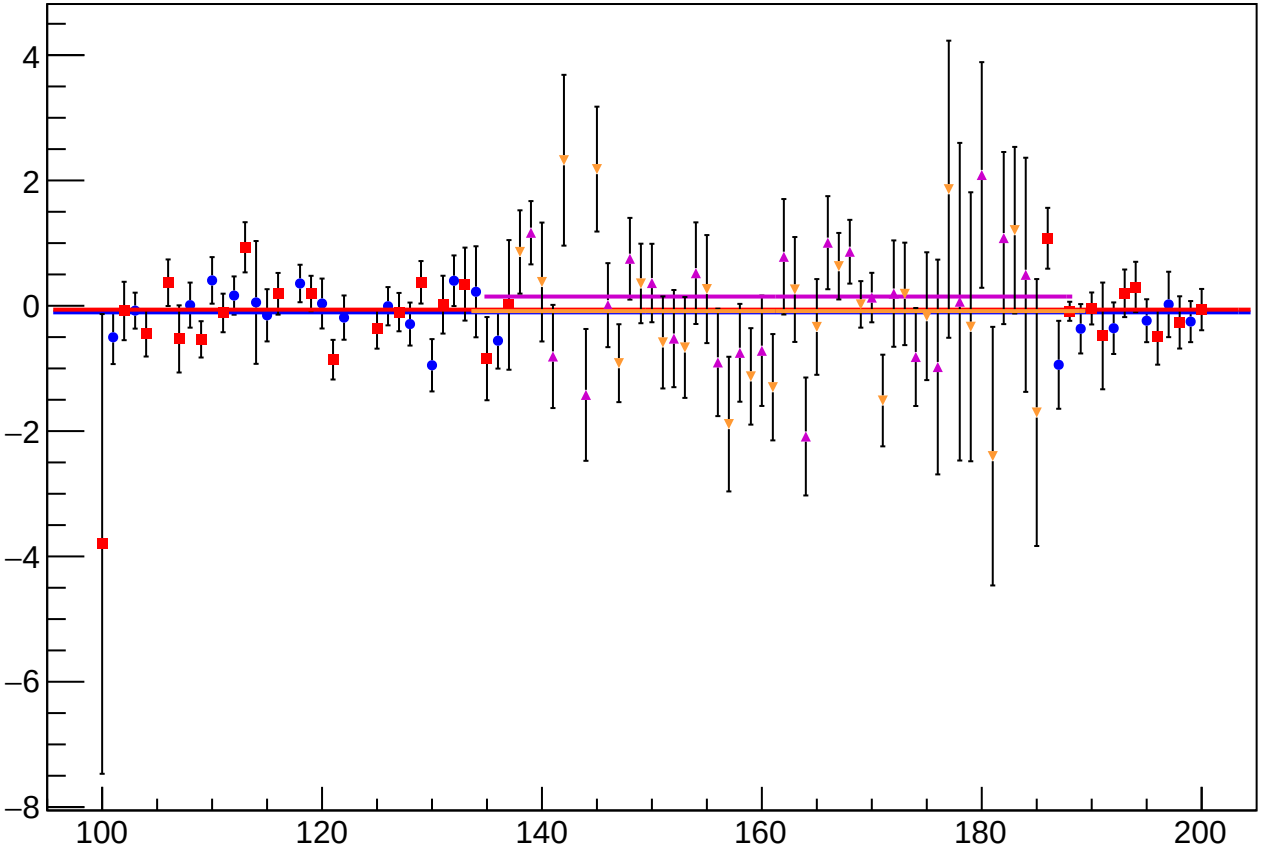
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.527+/-0.052 χ^2/NDF: 15033036.5/45

All: 305.980+/-0.033 χ^2/NDF: 34054067.9/95

- sign 283.968+/-0.044 χ^2/NDF: 18417658.4/49

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

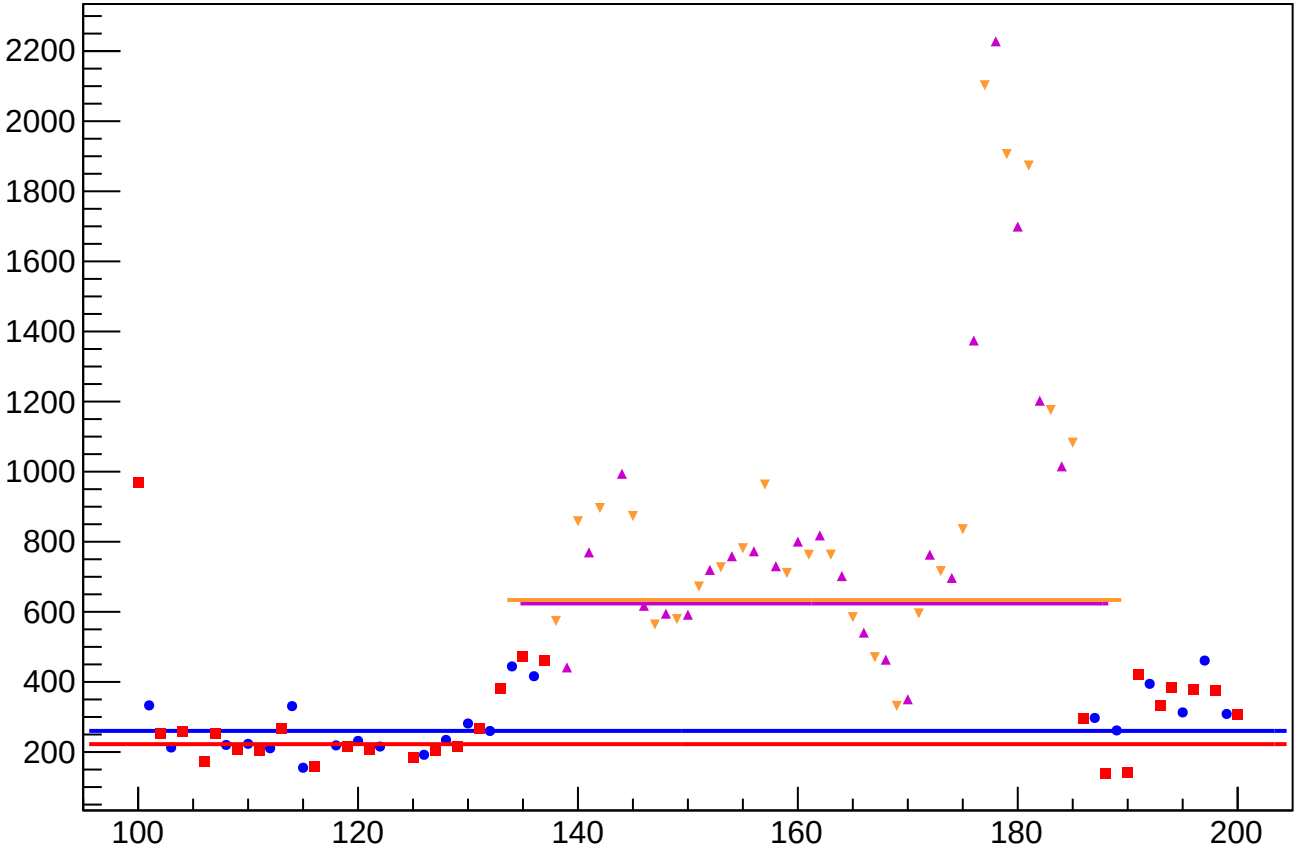
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.060+/-0.047 χ^2/NDF: 108.6/95

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 222.461+/-0.048 χ^2/NDF: 2971656.6/26

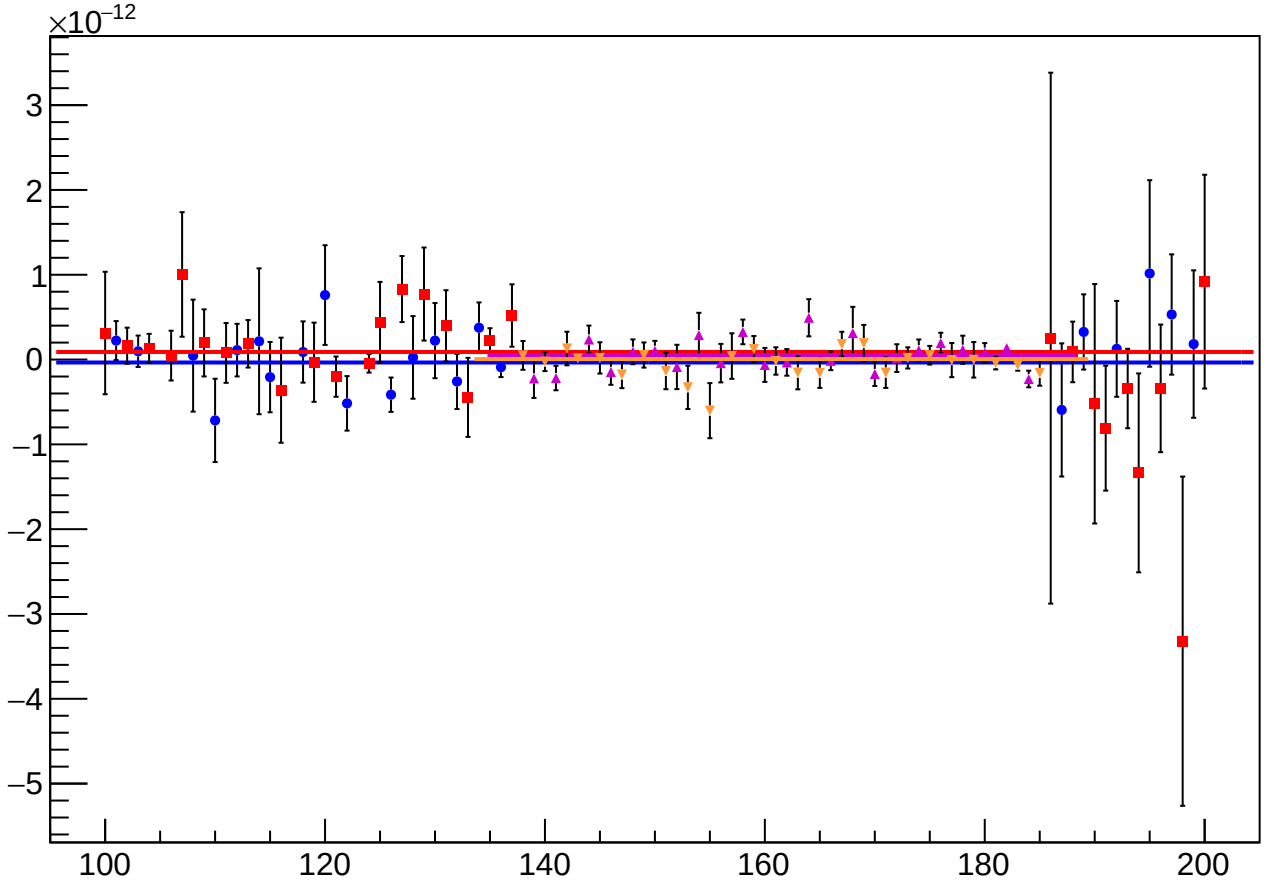
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.527+/-0.052 χ^2/NDF: 15033036.5/45

All: 305.980+/-0.033 χ^2/NDF: 34054067.9/95

- sign 283.968+/-0.044 χ^2/NDF: 18417658.4/49

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/27

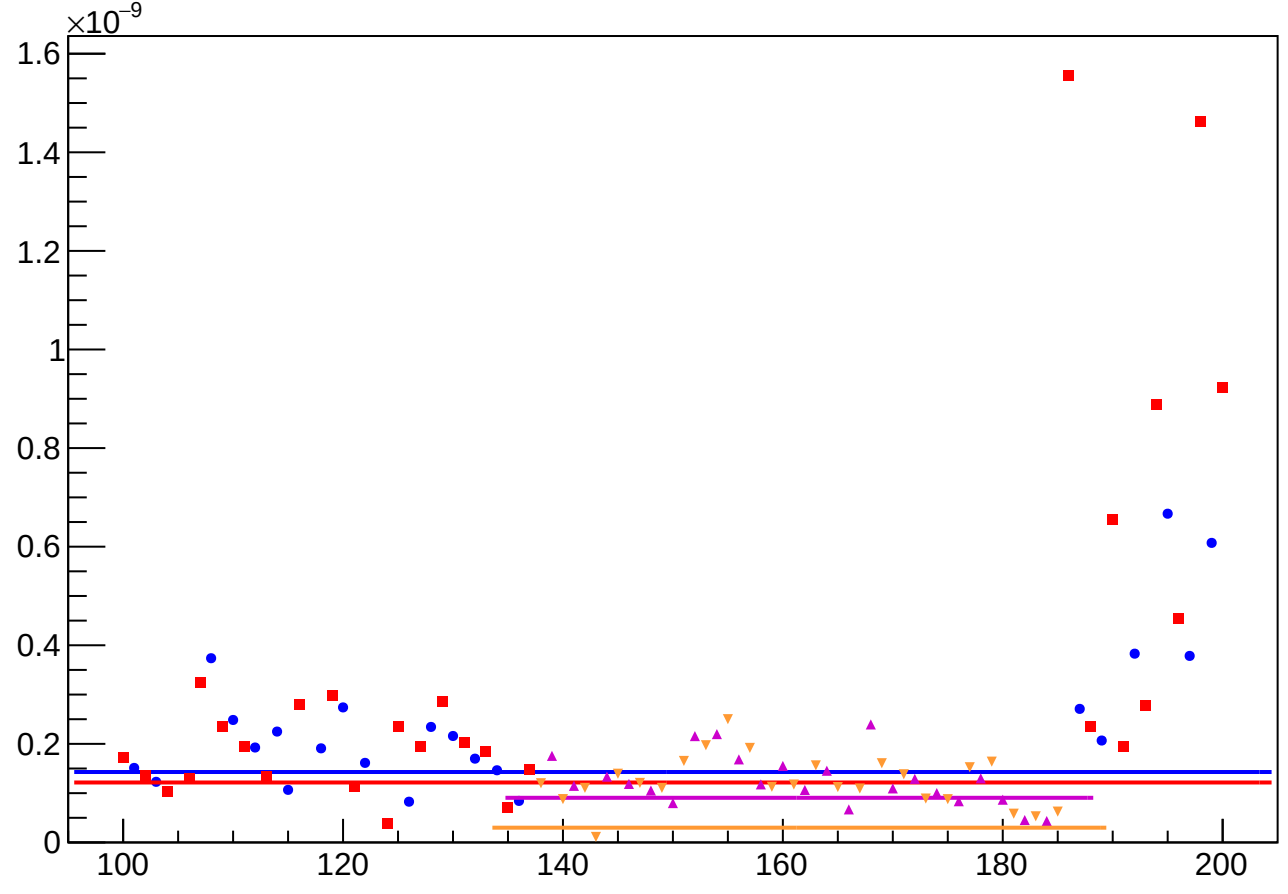
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/46

All: 0.000+/-0.000 χ^2/NDF: 94.7/97

- sign 0.000+/-0.000 χ^2/NDF: 57.0/50

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3107496.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6938628.1/27

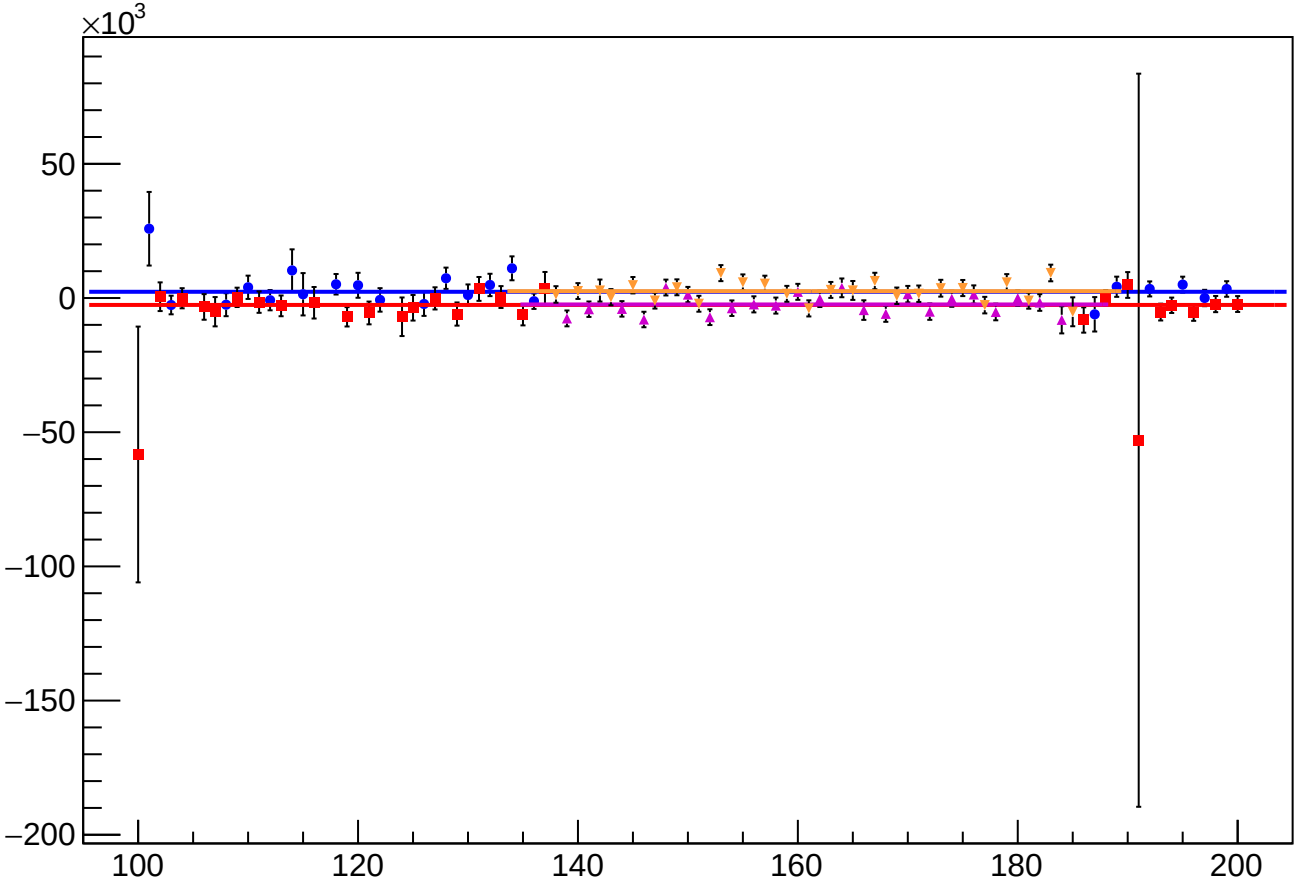
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26081397.1/46

All: 0.000+/-0.000 χ^2/NDF: 47696236.3/97

- sign 0.000+/-0.000 χ^2/NDF: 12130477.3/50

reg_asym_atr1_mean vs Slug



Right In: 2327.950+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2573.561+/-769.111 χ^2/NDF: 17.1/27

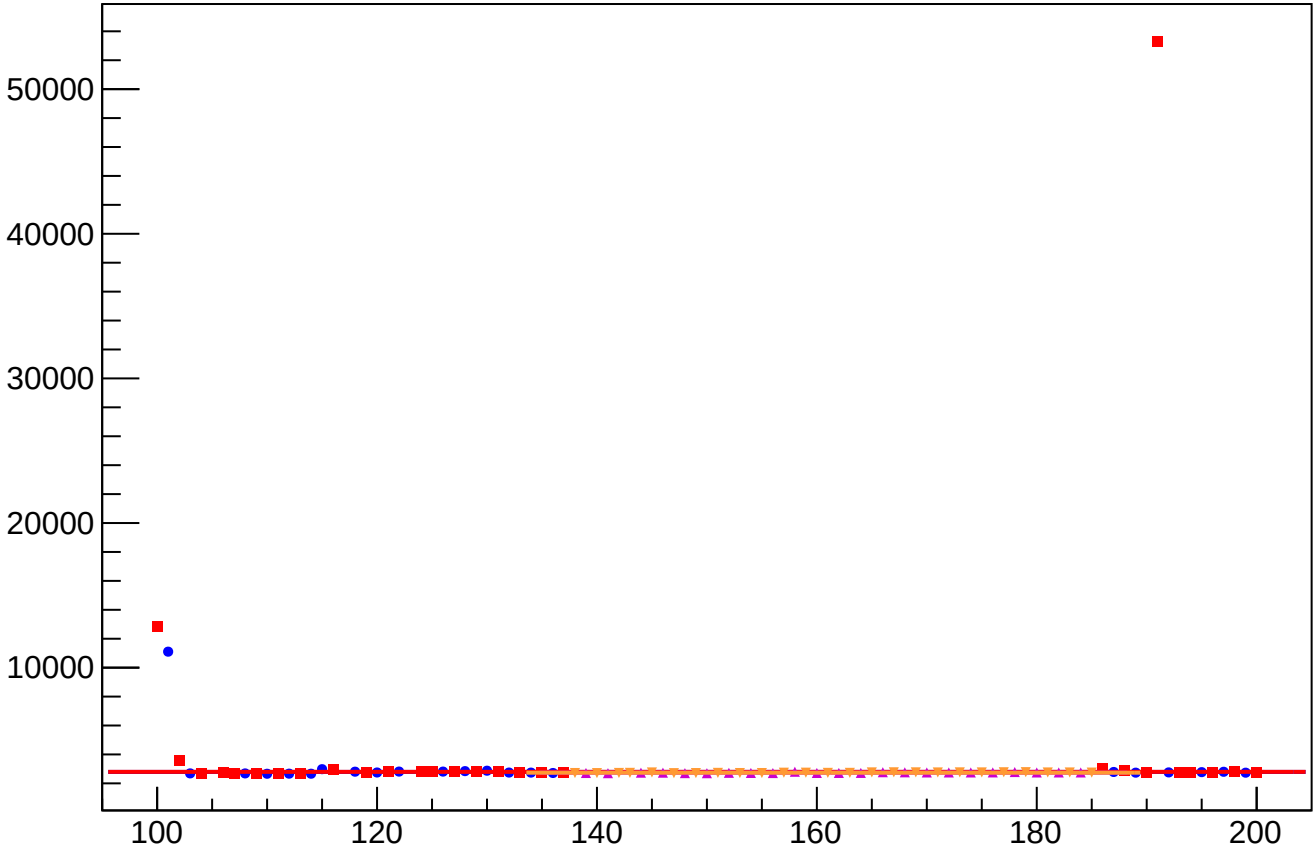
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2475.119+/-498.630 χ^2/NDF: 53.1/46

All: -34.383+/-350.155 χ^2/NDF: 151.6/97

- sign -2475.892+/-491.828 χ^2/NDF: 48.5/50

reg_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747983.1/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.620+/-0.544 χ^2/NDF: 478875.4/27

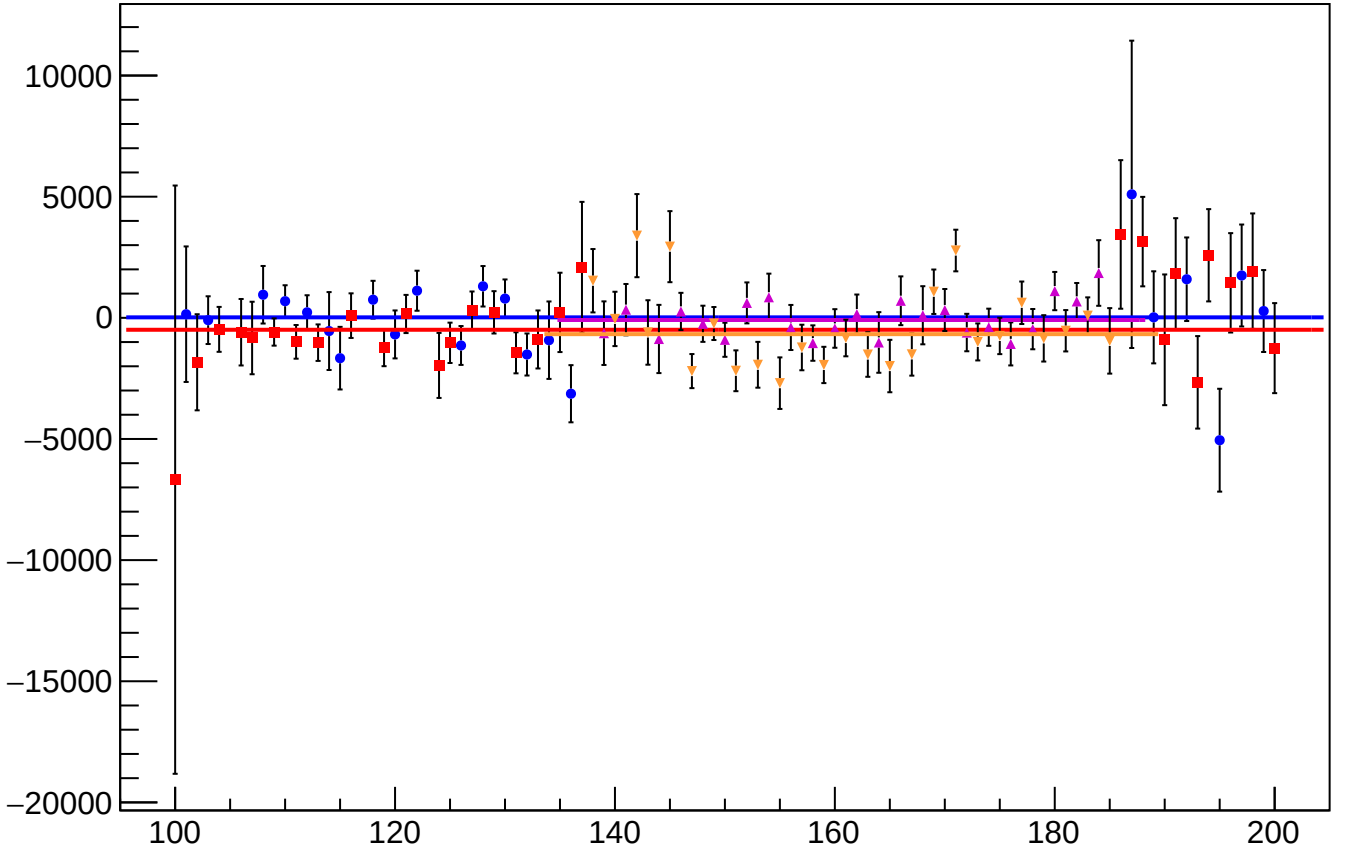
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755270.3/46

All: 2759.397+/-0.248 χ^2/NDF: 1243899.4/97

- sign 2762.664+/-0.348 χ^2/NDF: 488450.2/50

asym_atr1_reg_correction_mean vs Slug



Right In: 19.634+/-224.849 χ^2/NDF: 30.6/21

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

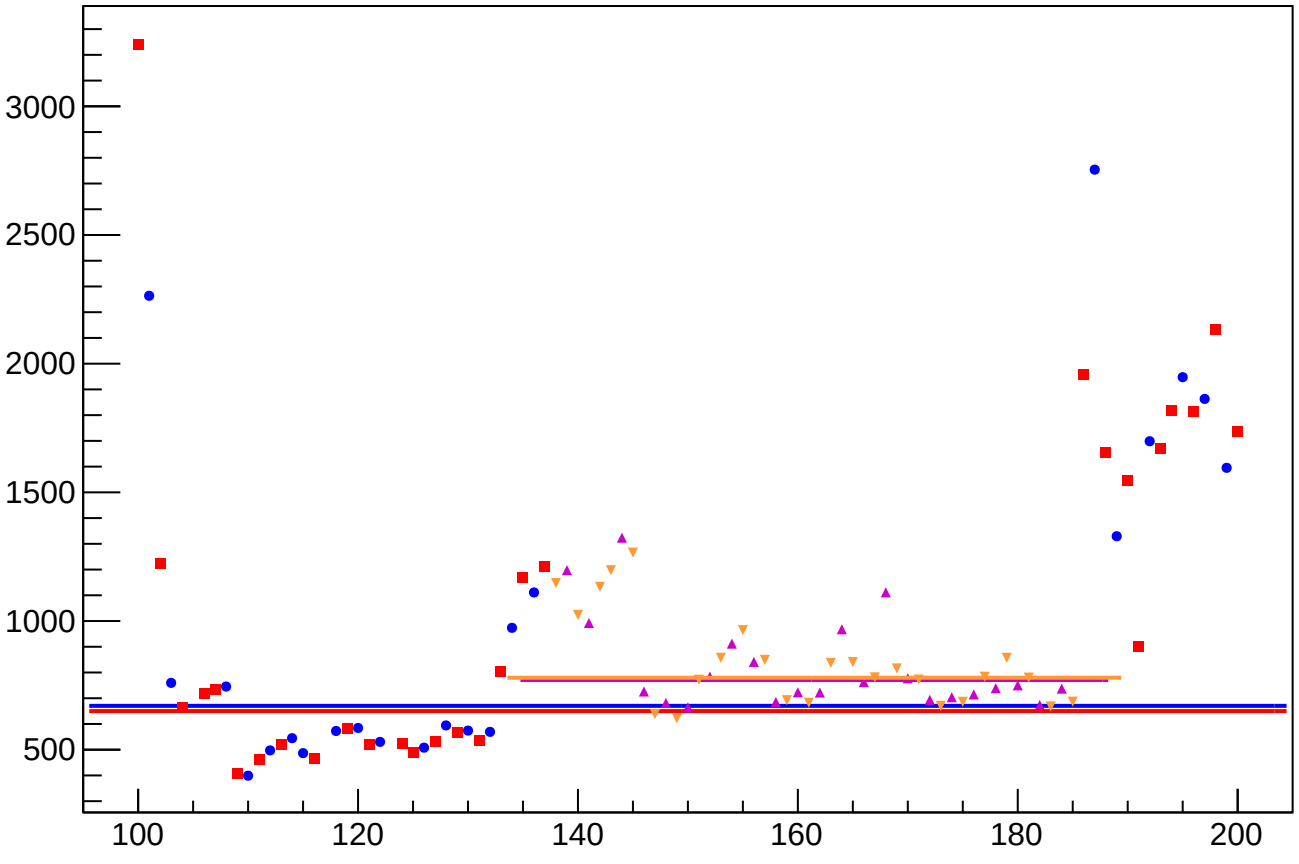
Right Out: -492.906+/-206.610 χ^2/NDF: 22.2/27

Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -400.653+/-141.103 χ^2/NDF: 94.7/46

All: -332.151+/-98.365 χ^2/NDF: 134.3/97

- sign -267.390+/-137.197 χ^2/NDF: 39.1/50



Right In: 670.442+/-0.159 χ^2/NDF: 4931481.9/21

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 649.999+/-0.146 χ^2/NDF: 6137167.3/27

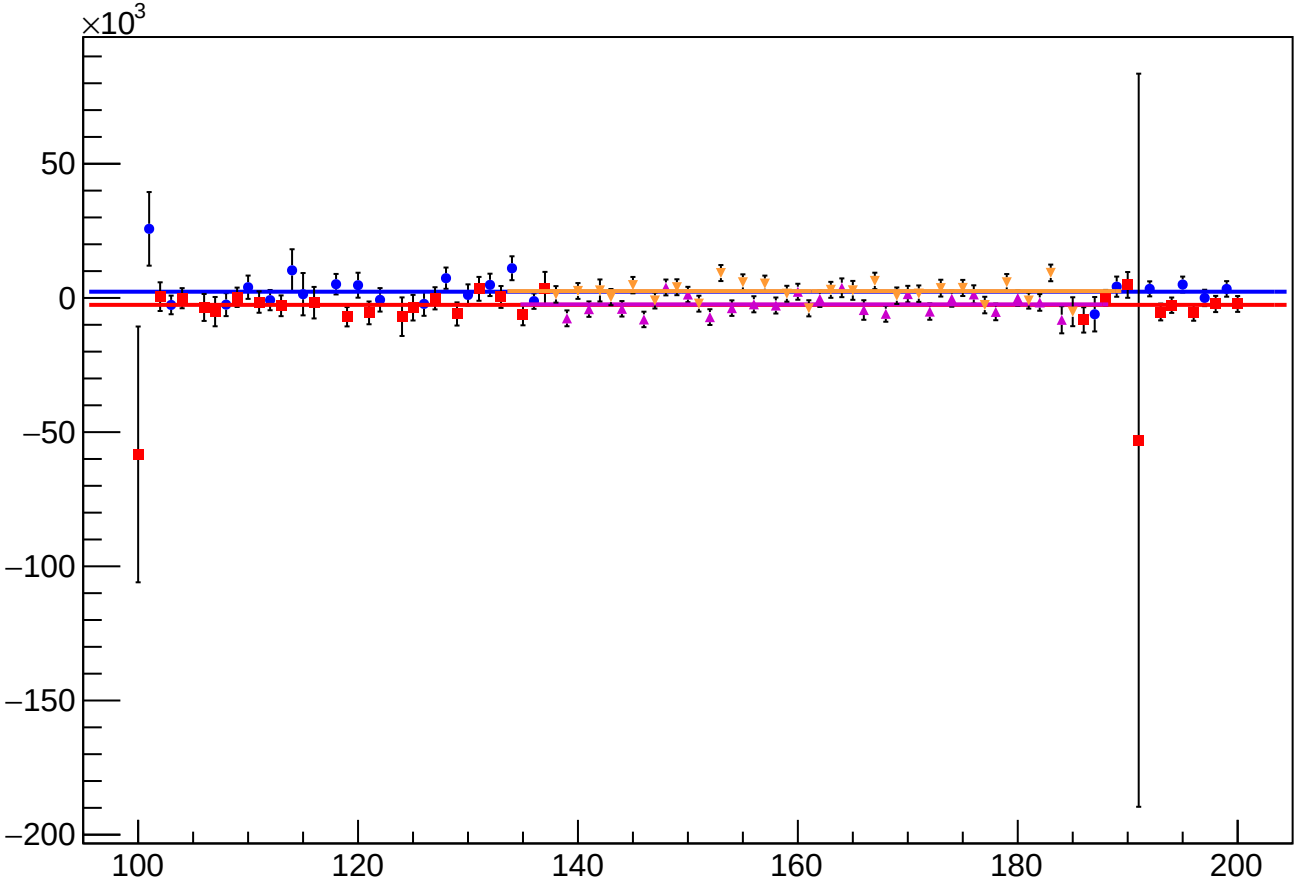
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 736.682+/-0.100 χ^2/NDF: 6461564.0/46

All: 726.838+/-0.070 χ^2/NDF: 14076218.5/97

- sign 717.531+/-0.097 χ^2/NDF: 7595716.1/50

cor_asym_atr1_mean vs Slug



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2577.220+/-770.087 χ^2/NDF: 17.1/27

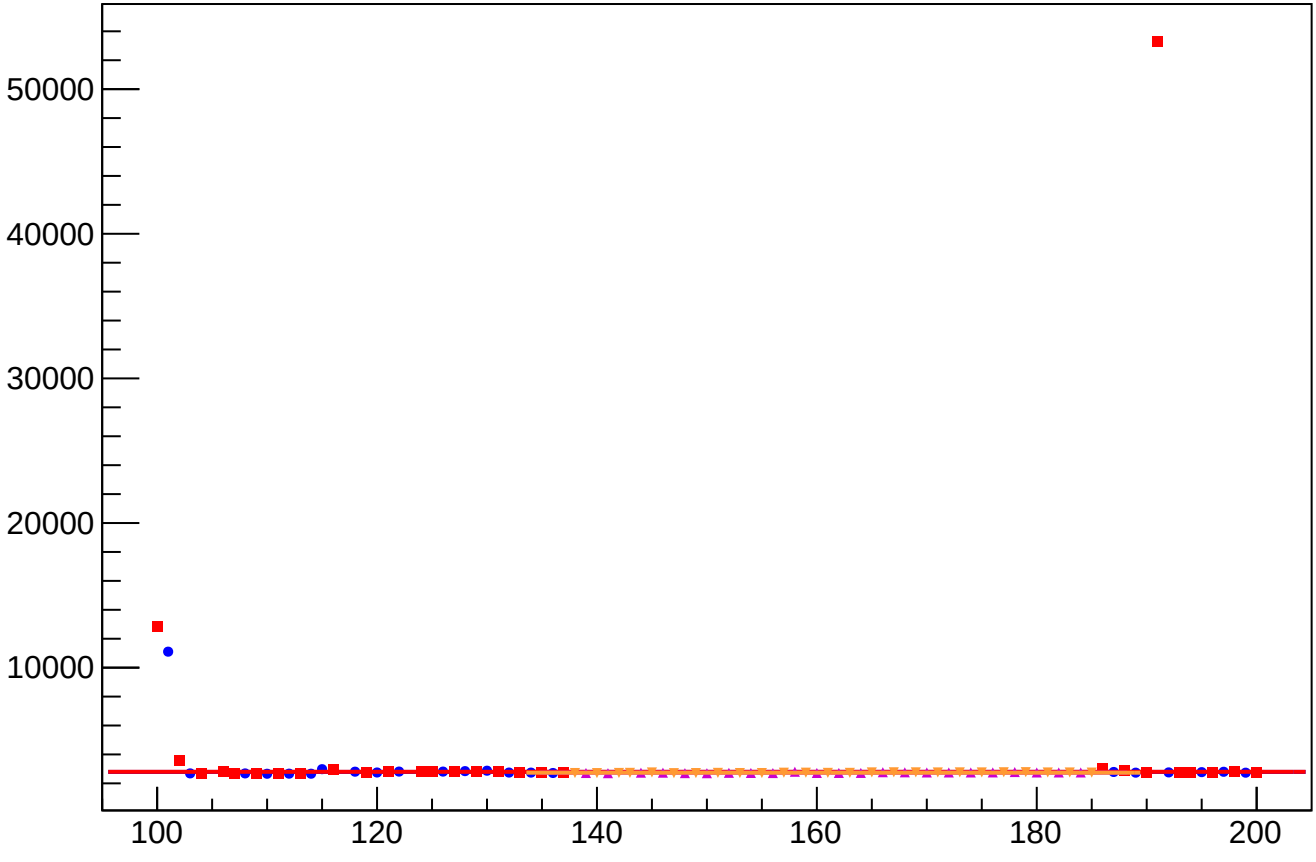
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2474.950+/-498.630 χ^2/NDF: 53.1/46

All: -33.932+/-350.247 χ^2/NDF: 151.6/97

- sign -2477.368+/-492.083 χ^2/NDF: 48.5/50

cor_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

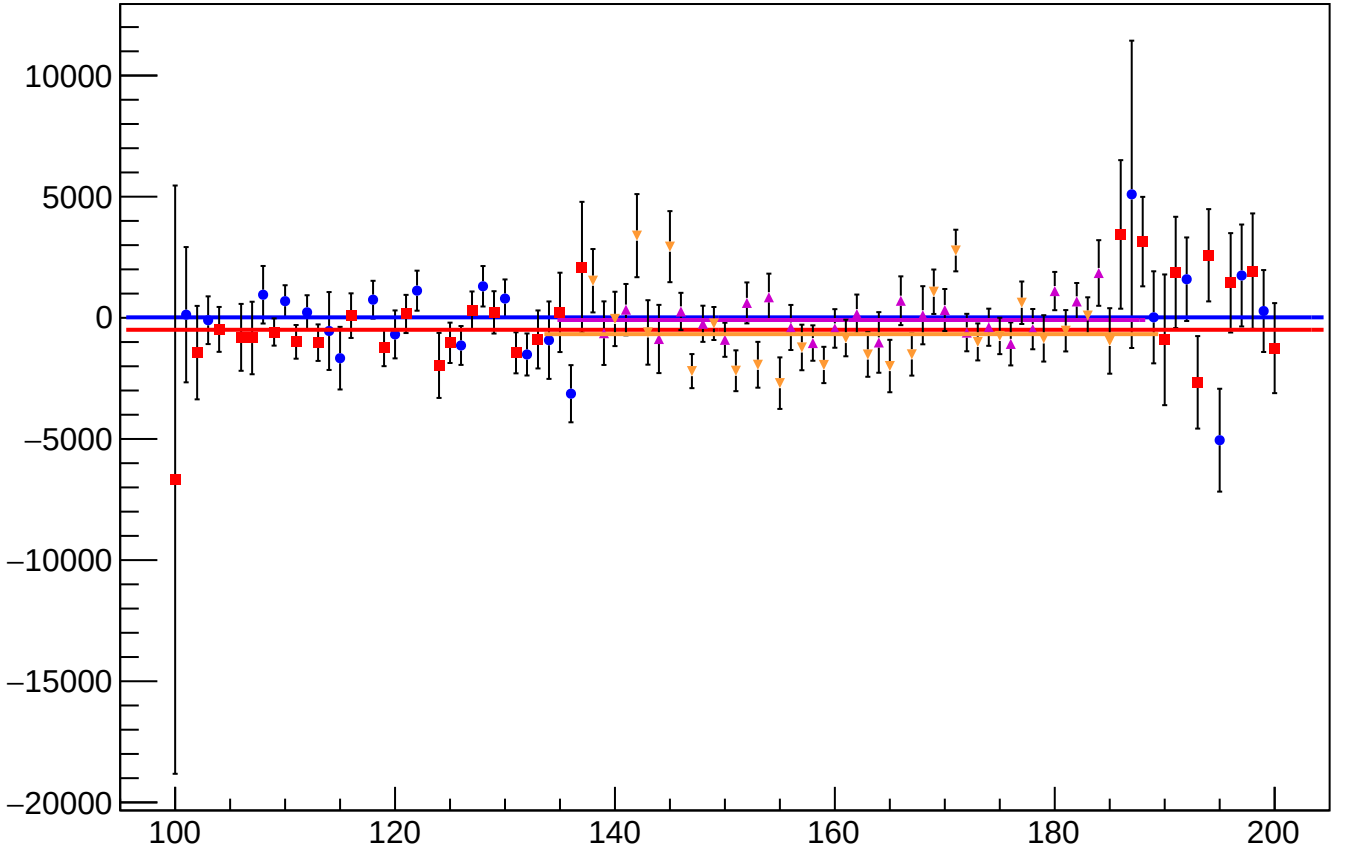
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755269.4/46

All: 2759.989+/-0.248 χ^2/NDF: 1244267.4/97

- sign 2763.836+/-0.348 χ^2/NDF: 488750.2/50

asym_atr1_cor_correction_mean vs Slug



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -493.733+/-206.576 χ^2/NDF: 22.1/27

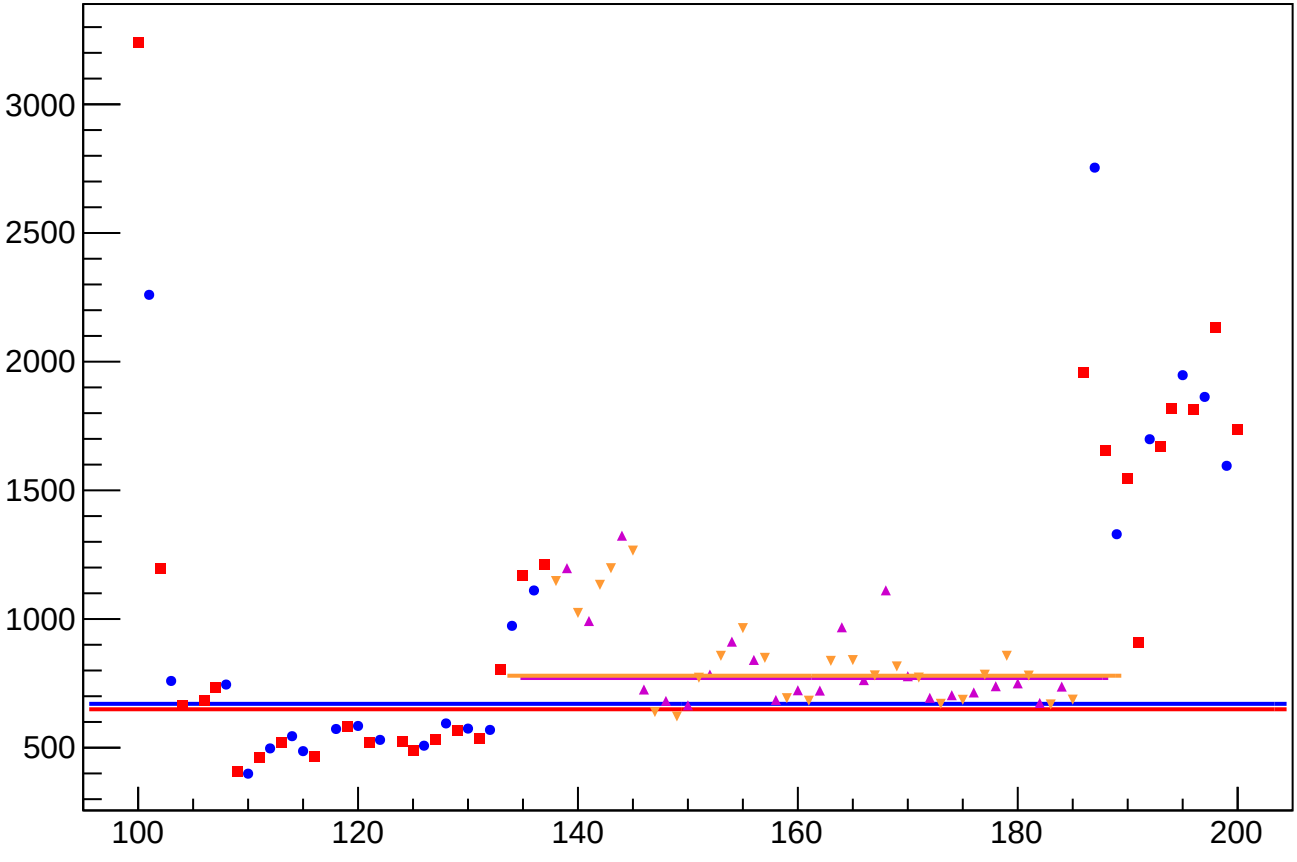
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -400.599+/-141.100 χ^2/NDF: 94.8/46

All: -332.362+/-98.360 χ^2/NDF: 134.2/97

- sign -267.858+/-137.187 χ^2/NDF: 39.0/50

asym_atr1_cor_correction_rms vs Slug



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

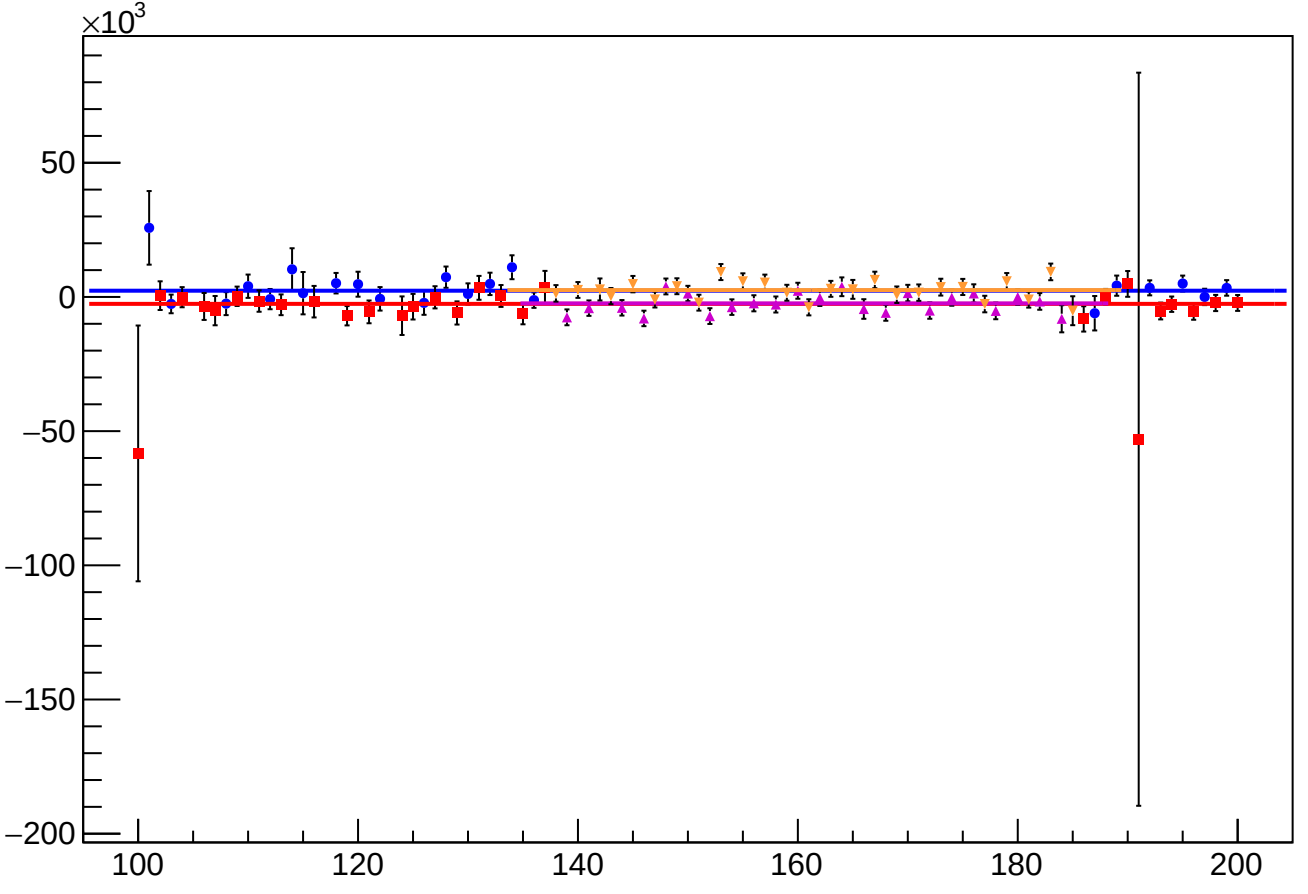
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 736.675+/-0.100 χ^2/NDF: 6460701.6/46

All: 726.675+/-0.070 χ^2/NDF: 14072578.5/97

- sign 717.223+/-0.097 χ^2/NDF: 7592336.5/50

eigen_cor_asym_atr1_mean vs Slug



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2577.220+/-770.087 χ^2/NDF: 17.1/27

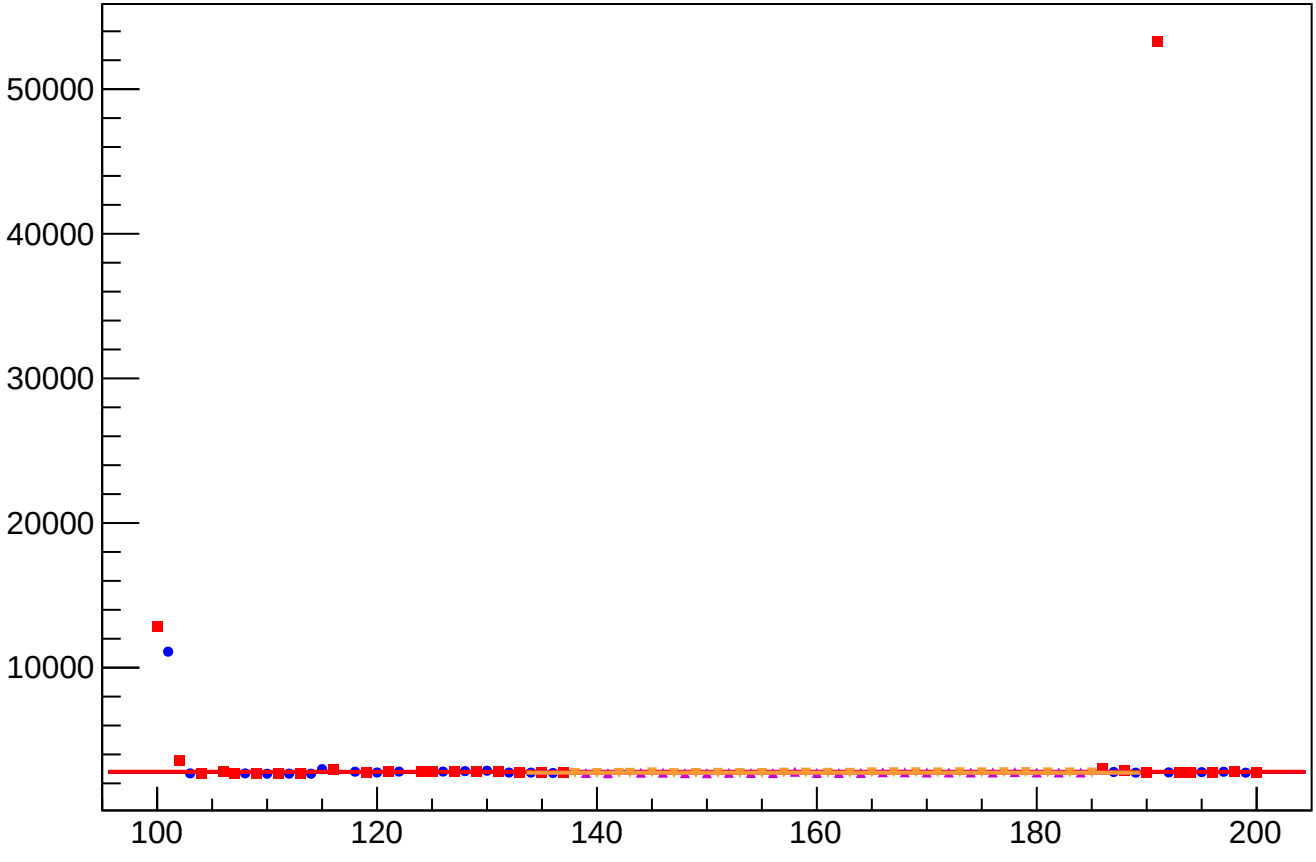
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2474.950+/-498.630 χ^2/NDF: 53.1/46

All: -33.932+/-350.247 χ^2/NDF: 151.6/97

- sign -2477.368+/-492.083 χ^2/NDF: 48.5/50

eigen_cor_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

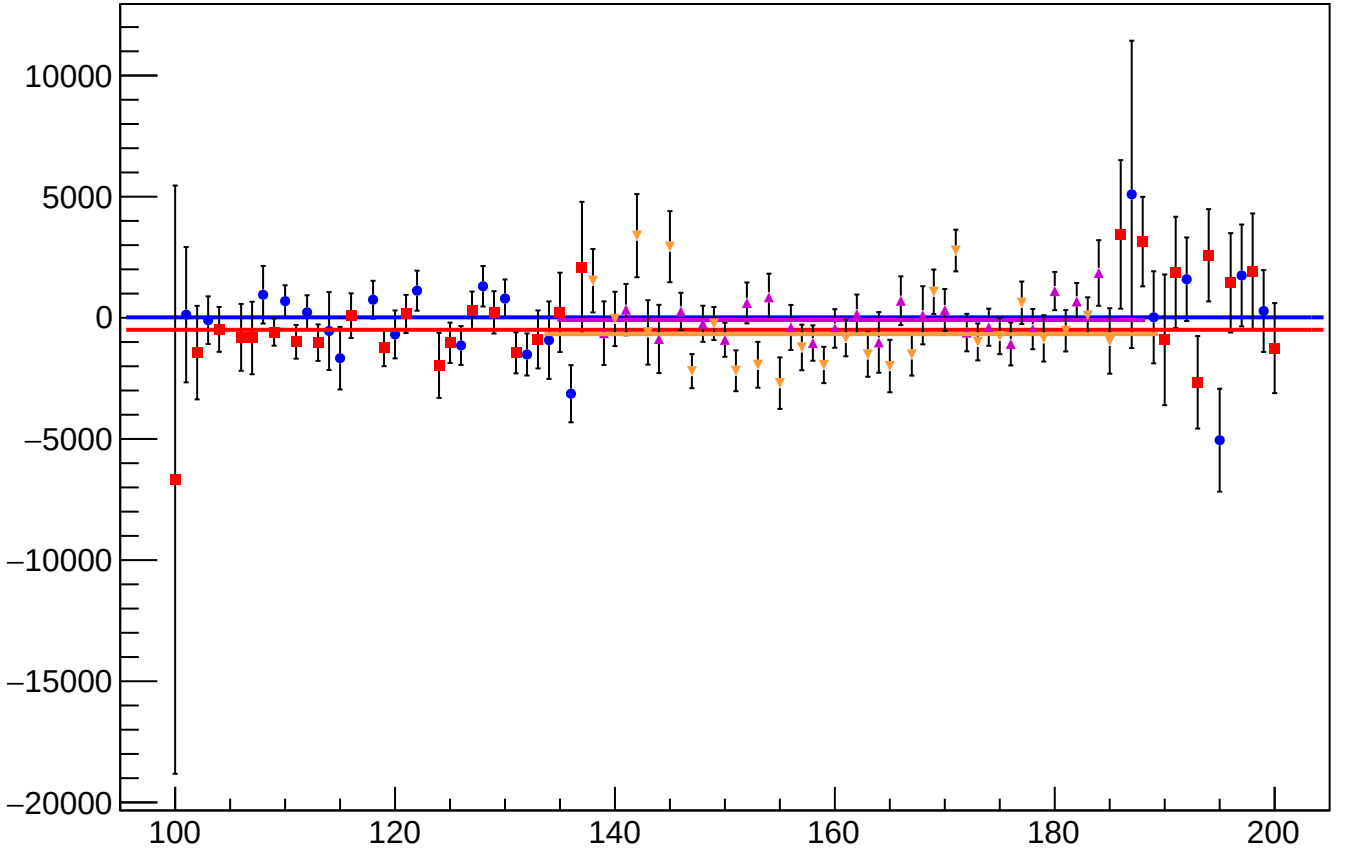
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755269.4/46

All: 2759.989+/-0.248 χ^2/NDF: 1244267.4/97

- sign 2763.836+/-0.348 χ^2/NDF: 488750.2/50

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -493.733+/-206.576 χ^2/NDF: 22.1/27

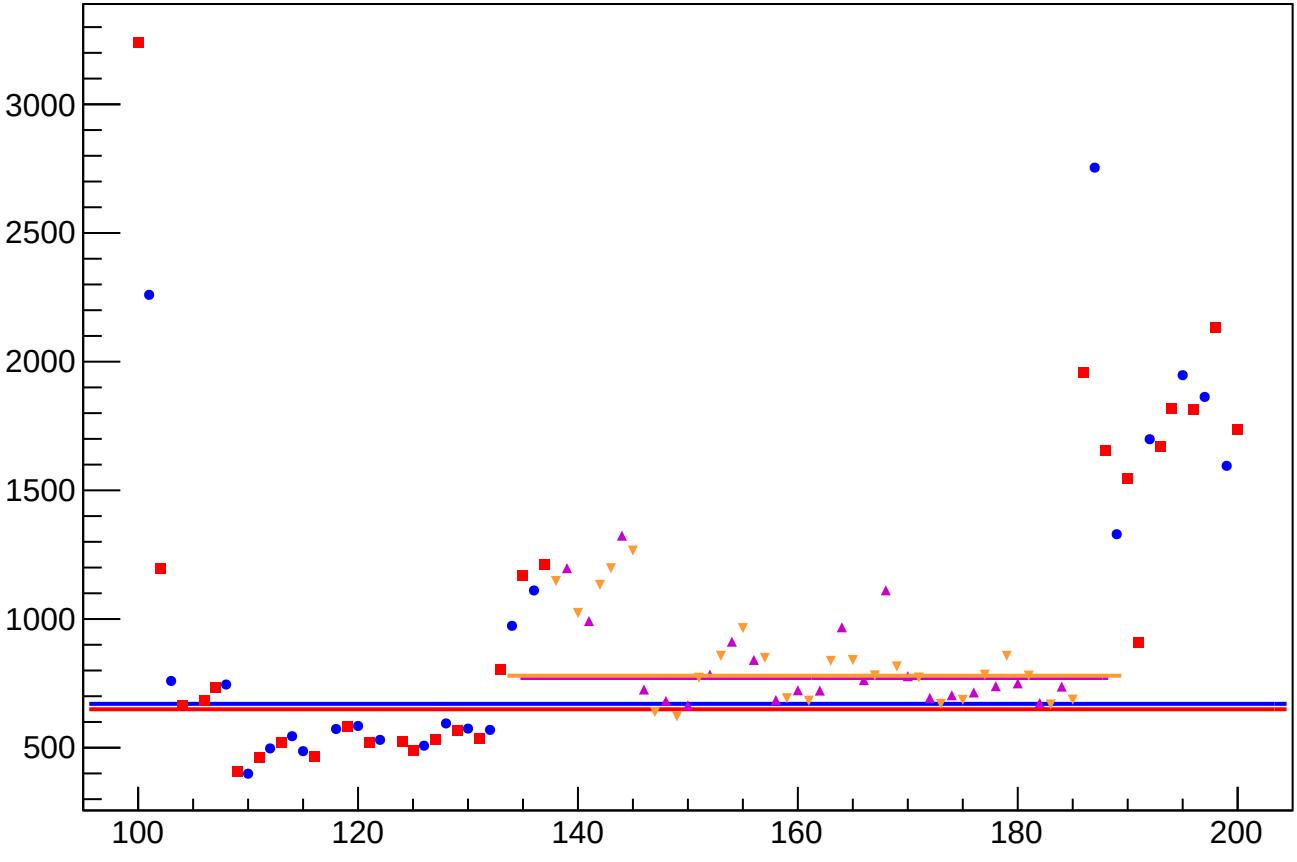
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -400.599+/-141.100 χ^2/NDF: 94.8/46

All: -332.362+/-98.360 χ^2/NDF: 134.2/97

- sign -267.858+/-137.187 χ^2/NDF: 39.0/50

asym_atr1_eigen_cor_correction_rms vs Slug



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Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

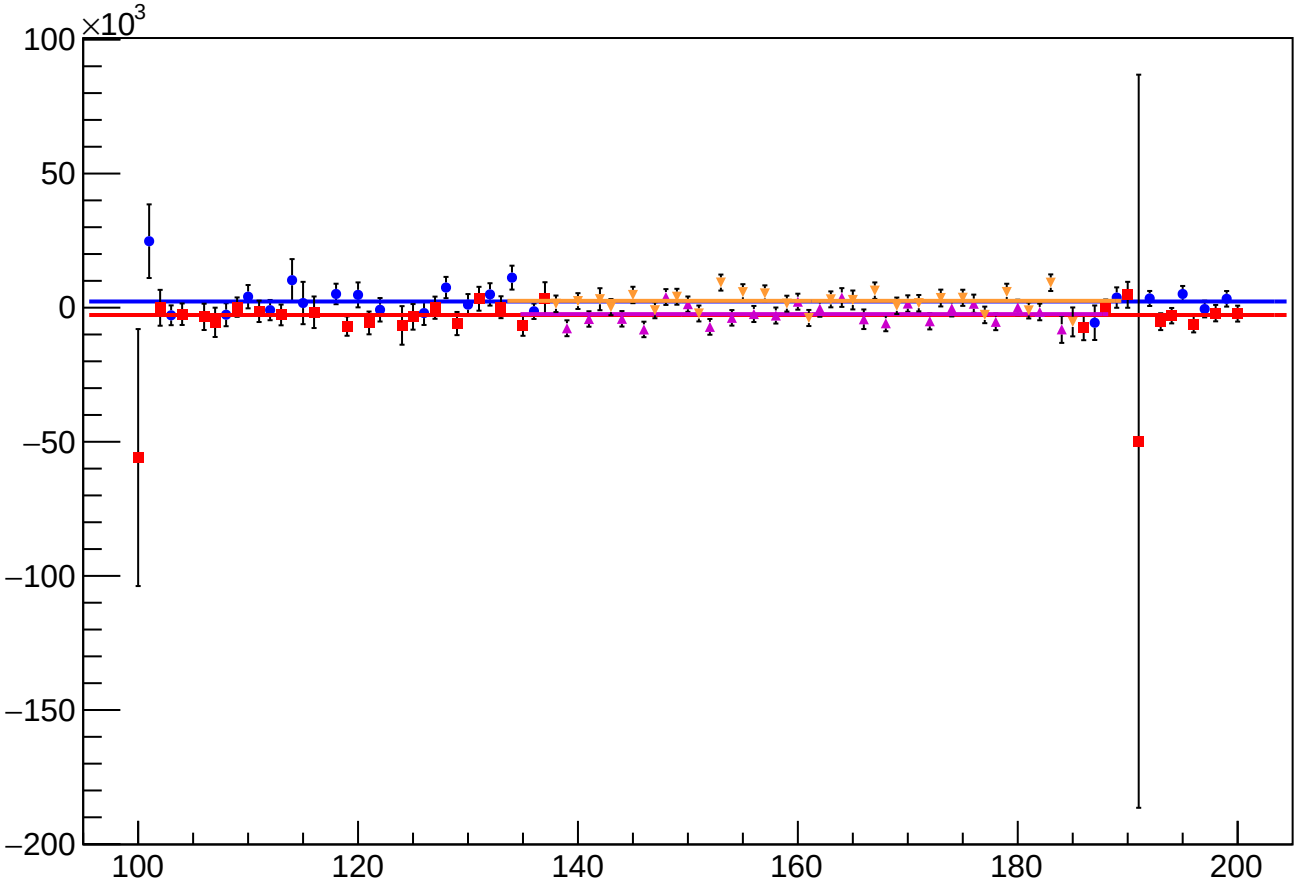
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 736.675+/-0.100 χ^2/NDF: 6460701.6/46

All: 726.675+/-0.070 χ^2/NDF: 14072578.5/97

- sign 717.223+/-0.097 χ^2/NDF: 7592336.5/50

dit_asym_atr1_mean vs Slug



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2734.903+/-777.010 χ^2/NDF: 16.3/27

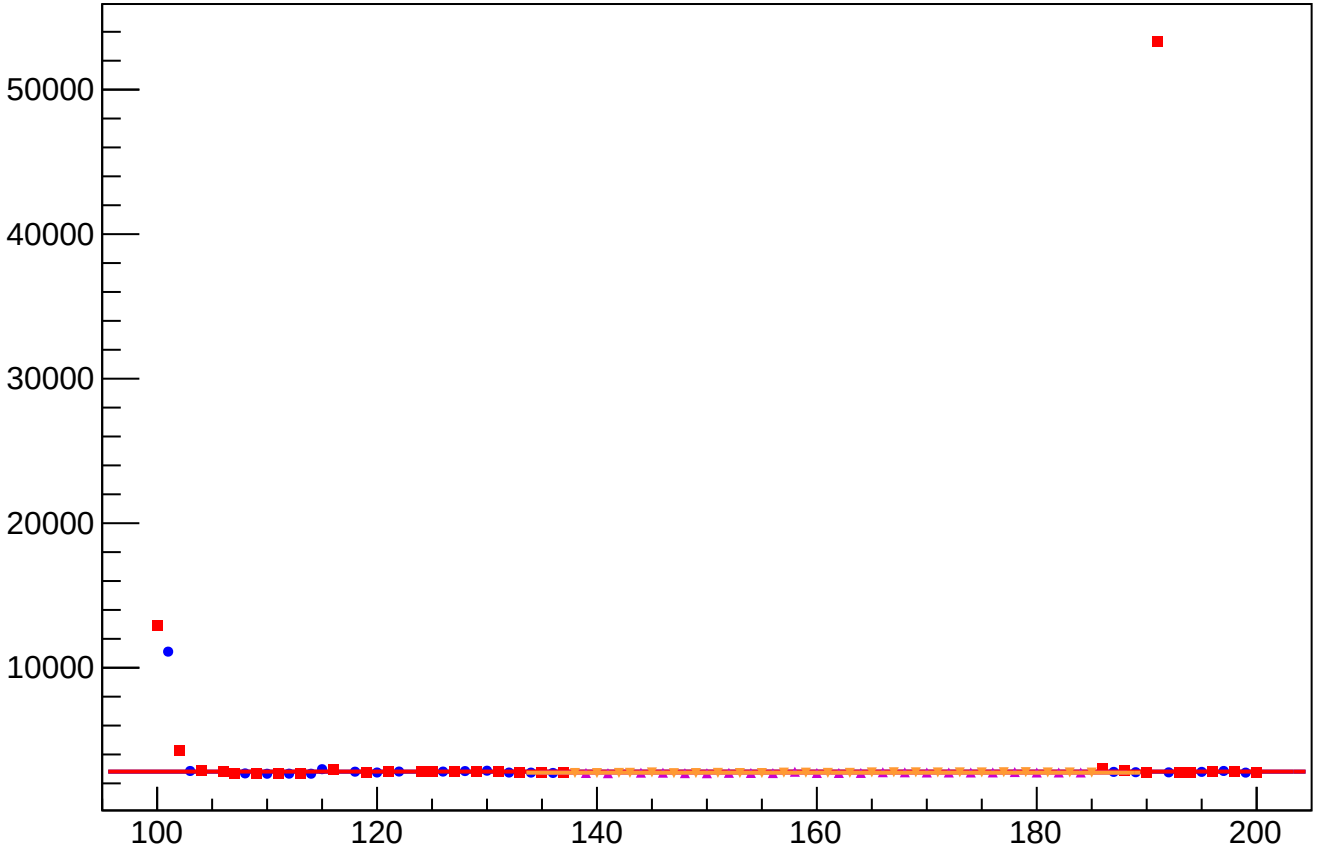
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2459.425+/-500.077 χ^2/NDF: 53.5/46

All: -70.382+/-351.454 χ^2/NDF: 152.3/97

- sign -2539.476+/-494.040 χ^2/NDF: 48.2/50

dit_asym_atr1_rms vs Slug



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2816.726+/-0.549 χ^2/NDF: 531778.5/27

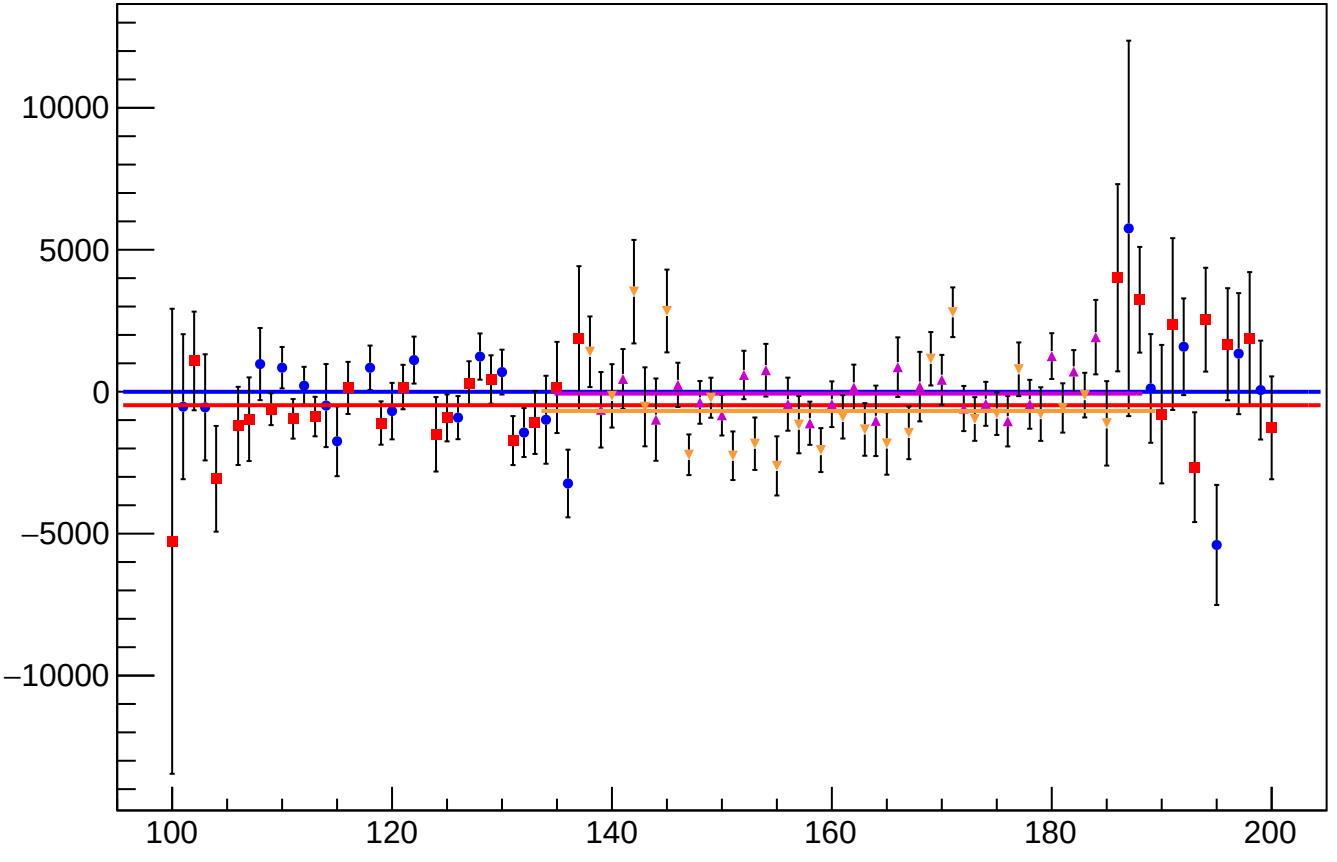
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.895+/-0.354 χ^2/NDF: 757725.3/46

All: 2767.919+/-0.249 χ^2/NDF: 1304329.6/97

- sign 2771.847+/-0.349 χ^2/NDF: 546348.4/50

asym_atr1_dit_correction_mean vs Slug



Right In: -3.034+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -475.893+/-207.680 χ^2/NDF: 25.6/27

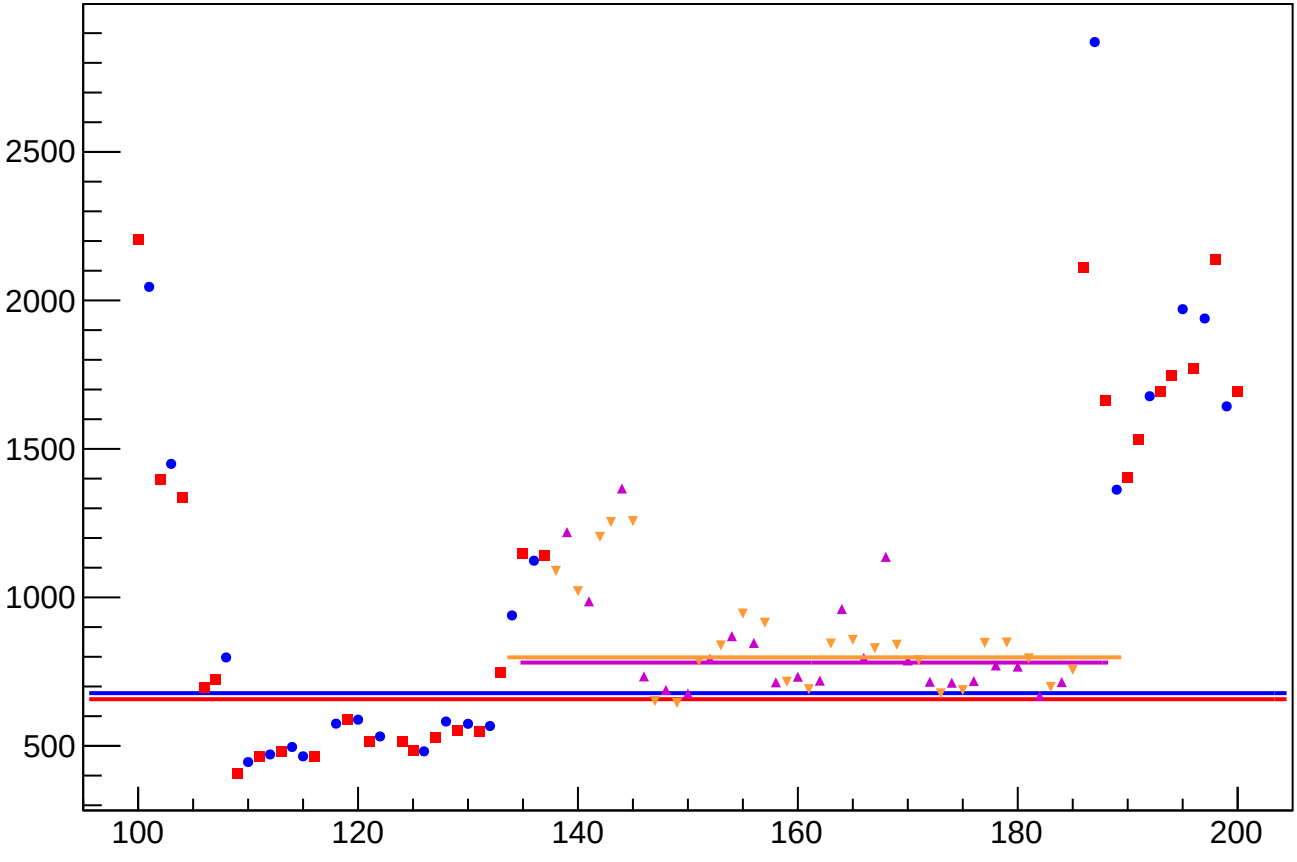
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

\+ sign -410.905+/-143.790 χ^2/NDF: 92.8/46

All: -326.540+/-99.685 χ^2/NDF: 137.1/97

\- sign -248.470+/-138.321 χ^2/NDF: 43.6/50

asym_atr1_dit_correction_rms vs Slug



Right In: 677.564+/-0.162 χ^2/NDF: 5323222.6/21

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 657.181+/-0.147 χ^2/NDF: 6748093.8/27

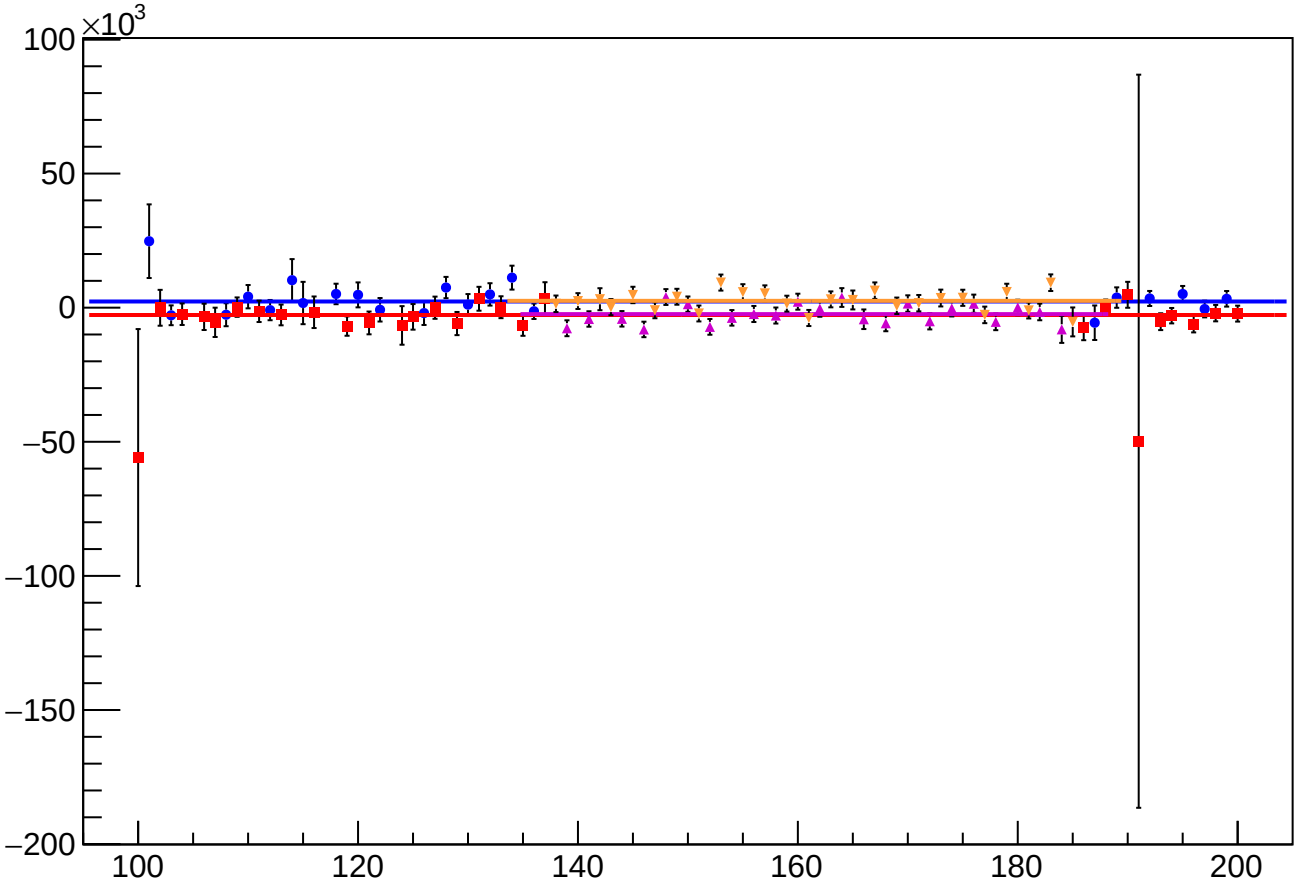
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 750.372+/-0.102 χ^2/NDF: 6827657.7/46

All: 737.615+/-0.070 χ^2/NDF: 15063415.8/97

- sign 725.810+/-0.098 χ^2/NDF: 8205448.7/50

eigen_dit_asym_atr1_mean vs Slug



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2734.899+/-777.010 χ^2/NDF: 16.3/27

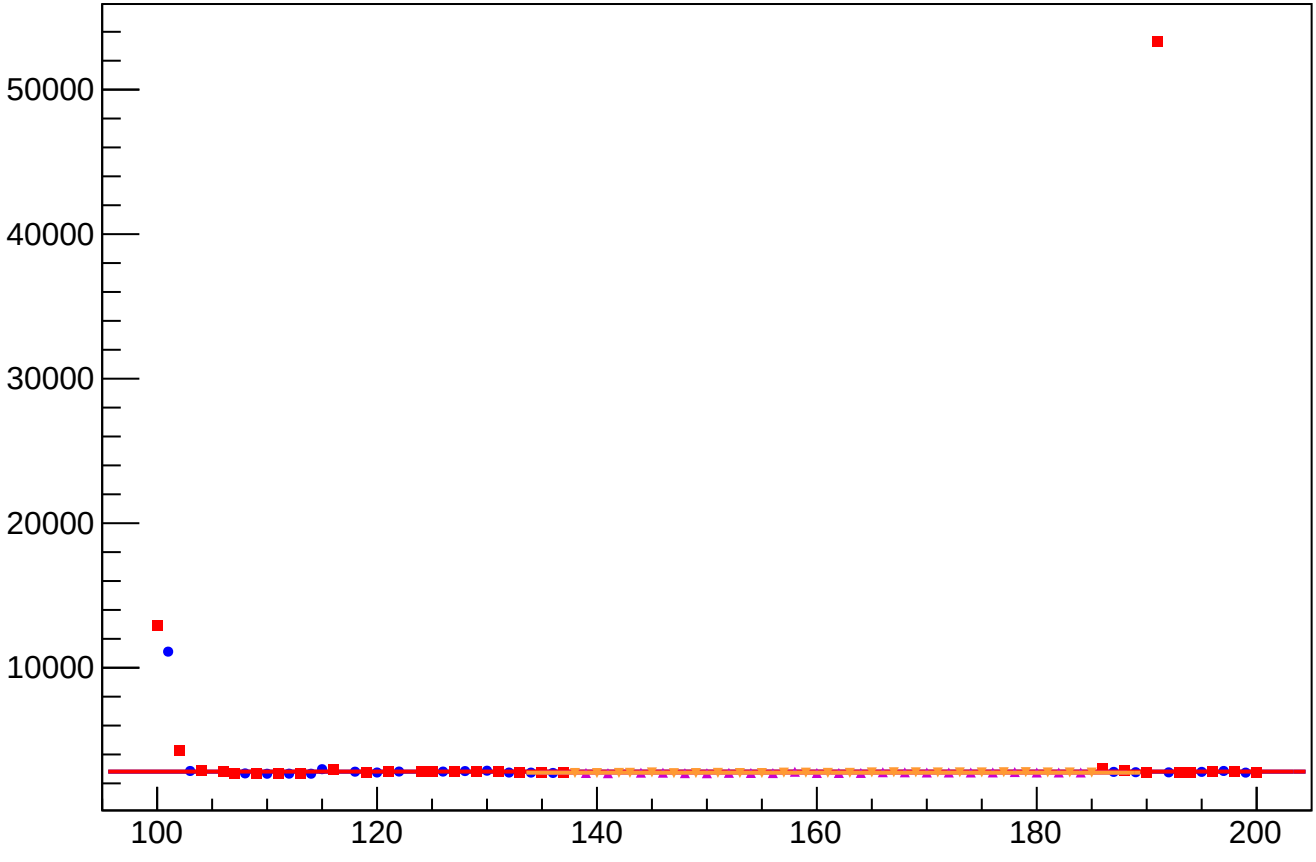
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2459.426+/-500.077 χ^2/NDF: 53.5/46

All: -70.381+/-351.454 χ^2/NDF: 152.3/97

- sign -2539.475+/-494.040 χ^2/NDF: 48.2/50

eigen_dit_asym_atr1_rms vs Slug



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2816.726+/-0.549 χ^2/NDF: 531778.3/27

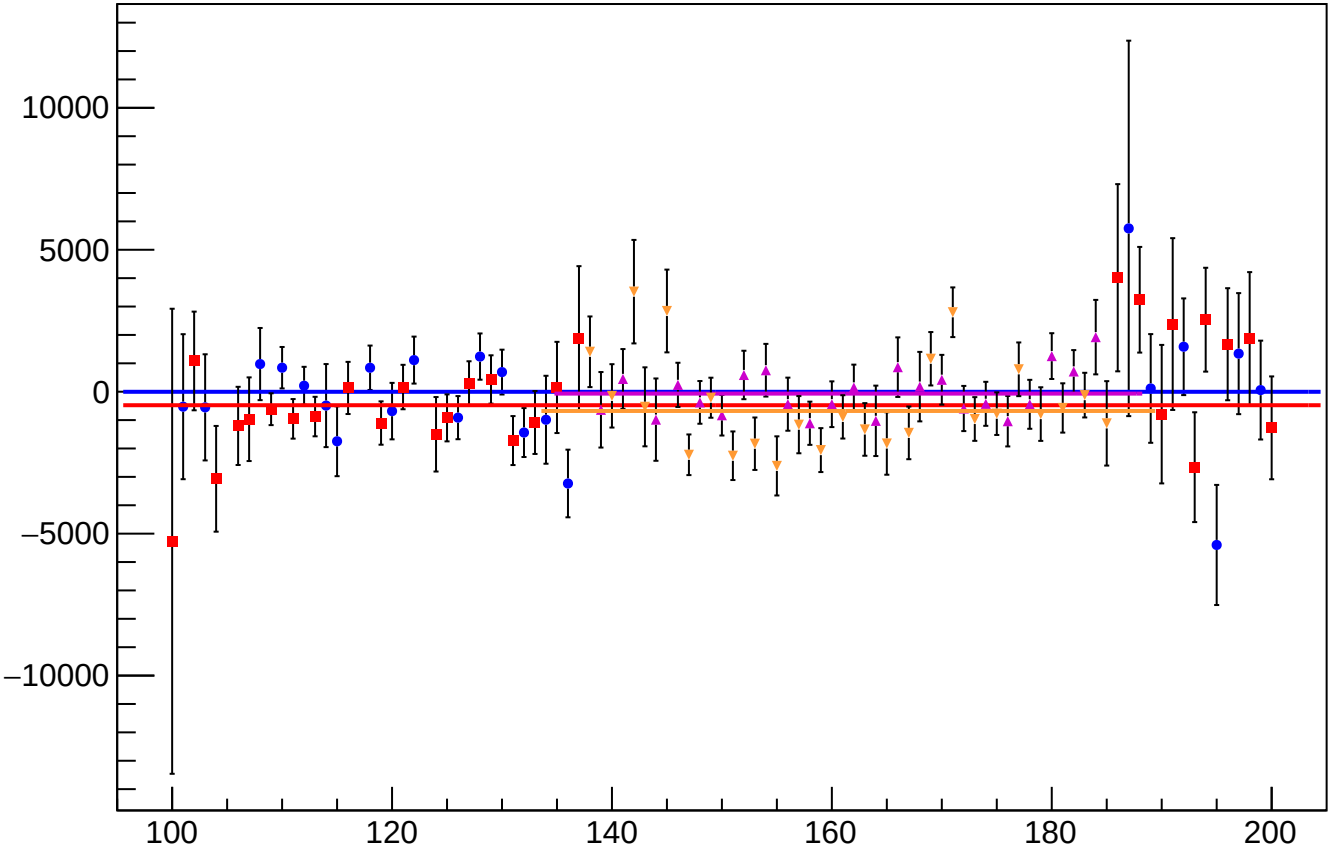
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.895+/-0.354 χ^2/NDF: 757725.3/46

All: 2767.919+/-0.249 χ^2/NDF: 1304329.3/97

- sign 2771.847+/-0.349 χ^2/NDF: 546348.1/50

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -3.033+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -475.893+/-207.680 χ^2/NDF: 25.6/27

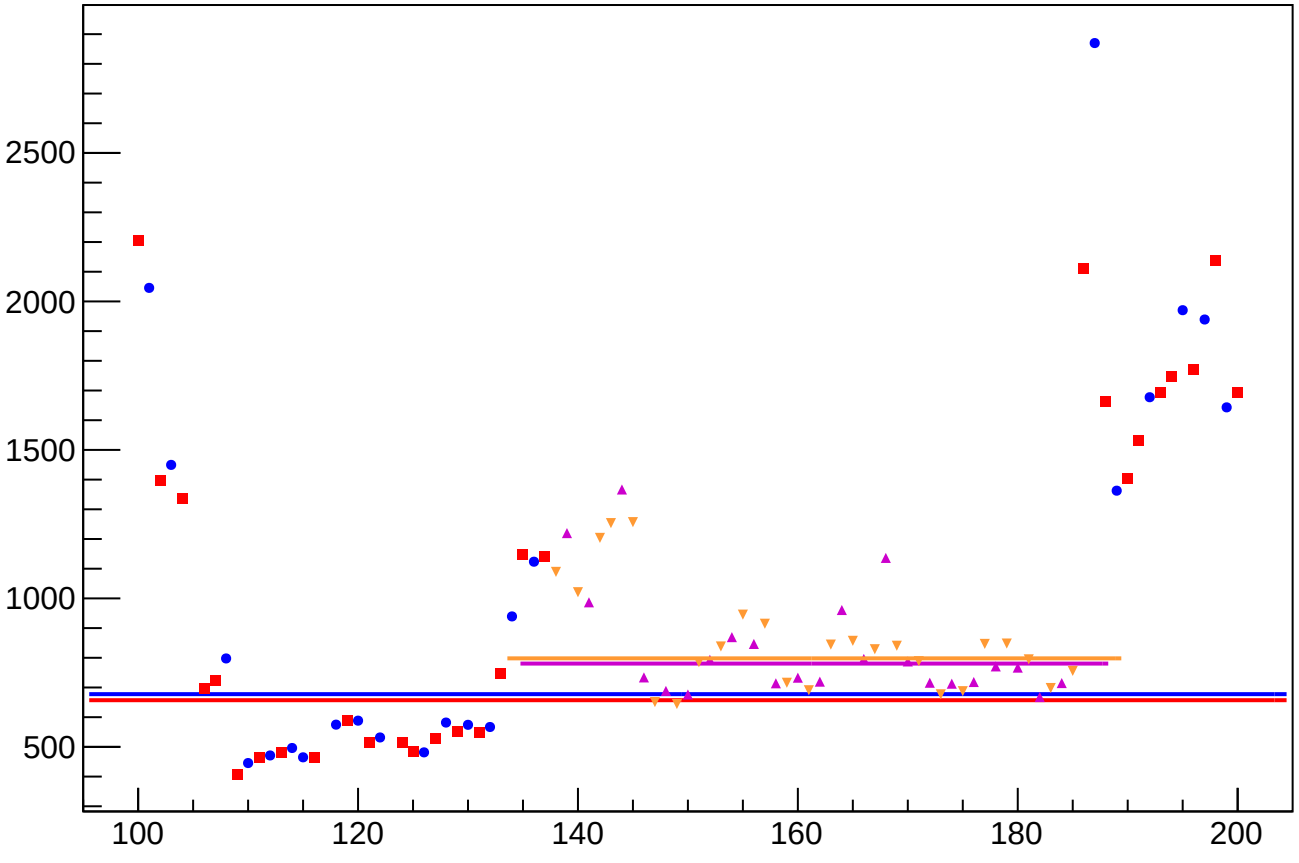
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -410.905+/-143.790 χ^2/NDF: 92.8/46

All: -326.540+/-99.685 χ^2/NDF: 137.1/97

- sign -248.470+/-138.321 χ^2/NDF: 43.6/50

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 677.564+/-0.162 χ^2/NDF: 5323218.5/21

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 657.181+/-0.147 χ^2/NDF: 6748095.3/27

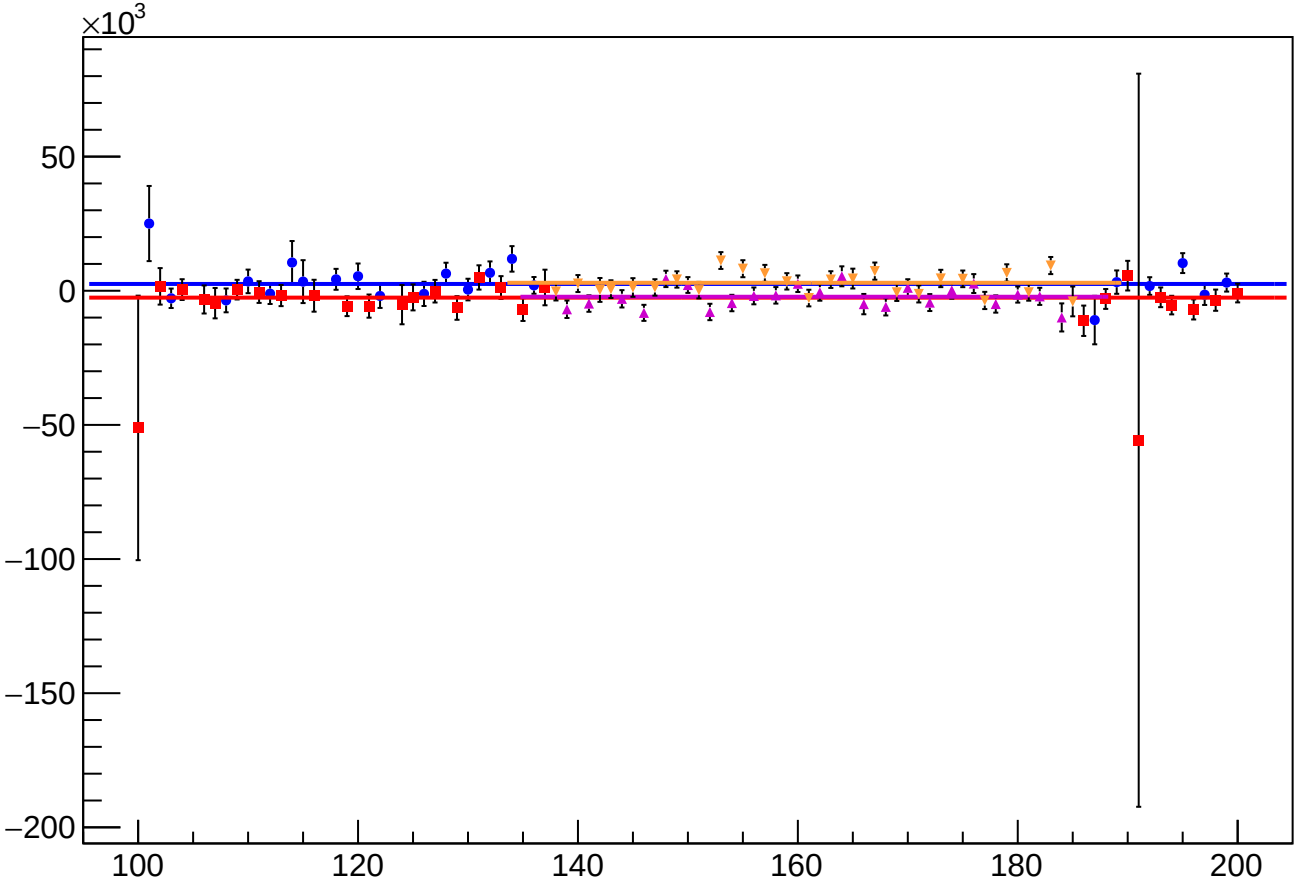
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 750.372+/-0.102 χ^2/NDF: 6827653.1/46

All: 737.615+/-0.070 χ^2/NDF: 15063414.8/97

- sign 725.810+/-0.098 χ^2/NDF: 8205451.6/50

asym_atr1_mean vs Slug



Right In: 2534.455+/-911.106 χ^2/NDF: 24.7/21

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2561.779+/-852.332 χ^2/NDF: 17.6/27

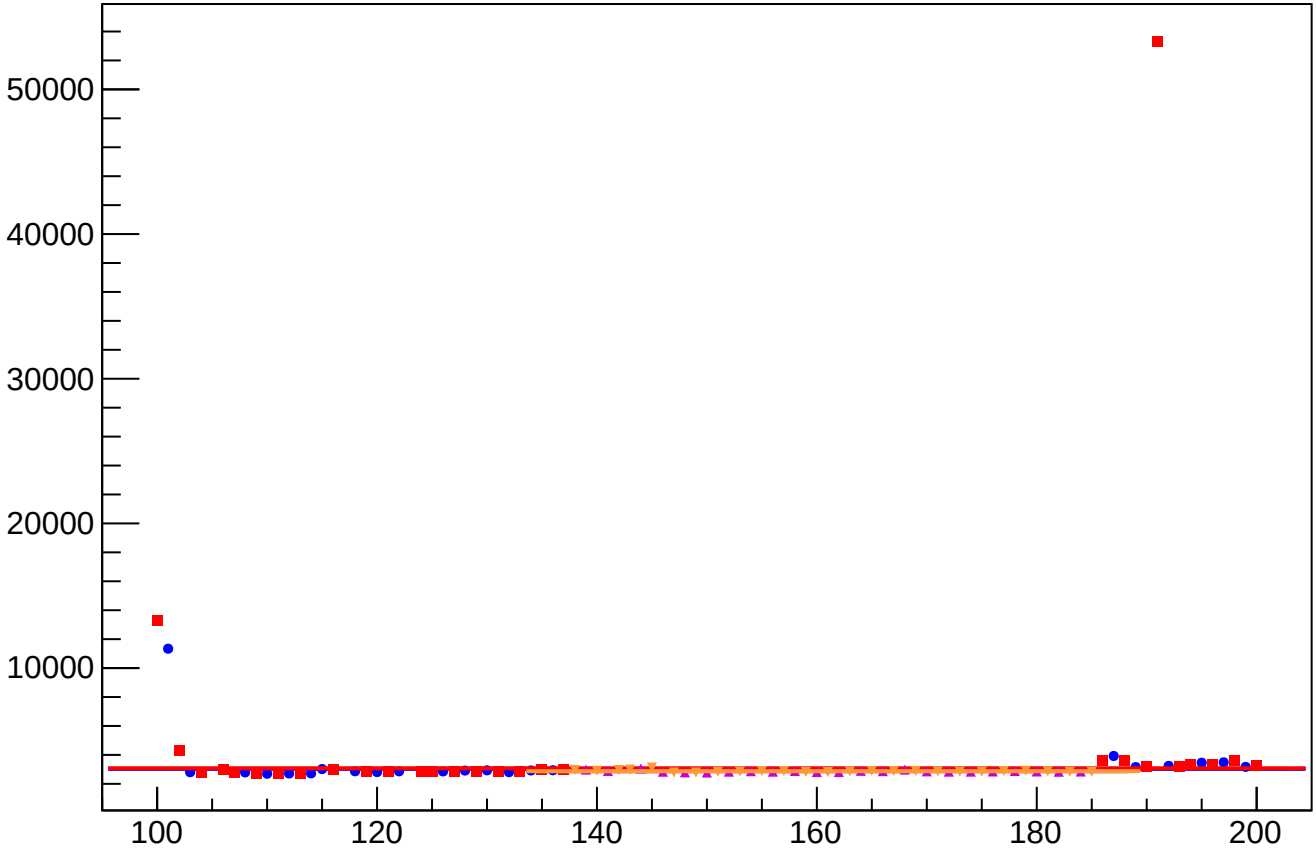
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2821.671+/-530.912 χ^2/NDF: 60.6/46

All: 210.463+/-373.985 χ^2/NDF: 160.1/97

- sign -2361.421+/-526.899 χ^2/NDF: 51.5/50

asym_atr1_rms vs Slug



Right In: 3035.027+/-0.644 χ^2/NDF: 858290.4/21

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

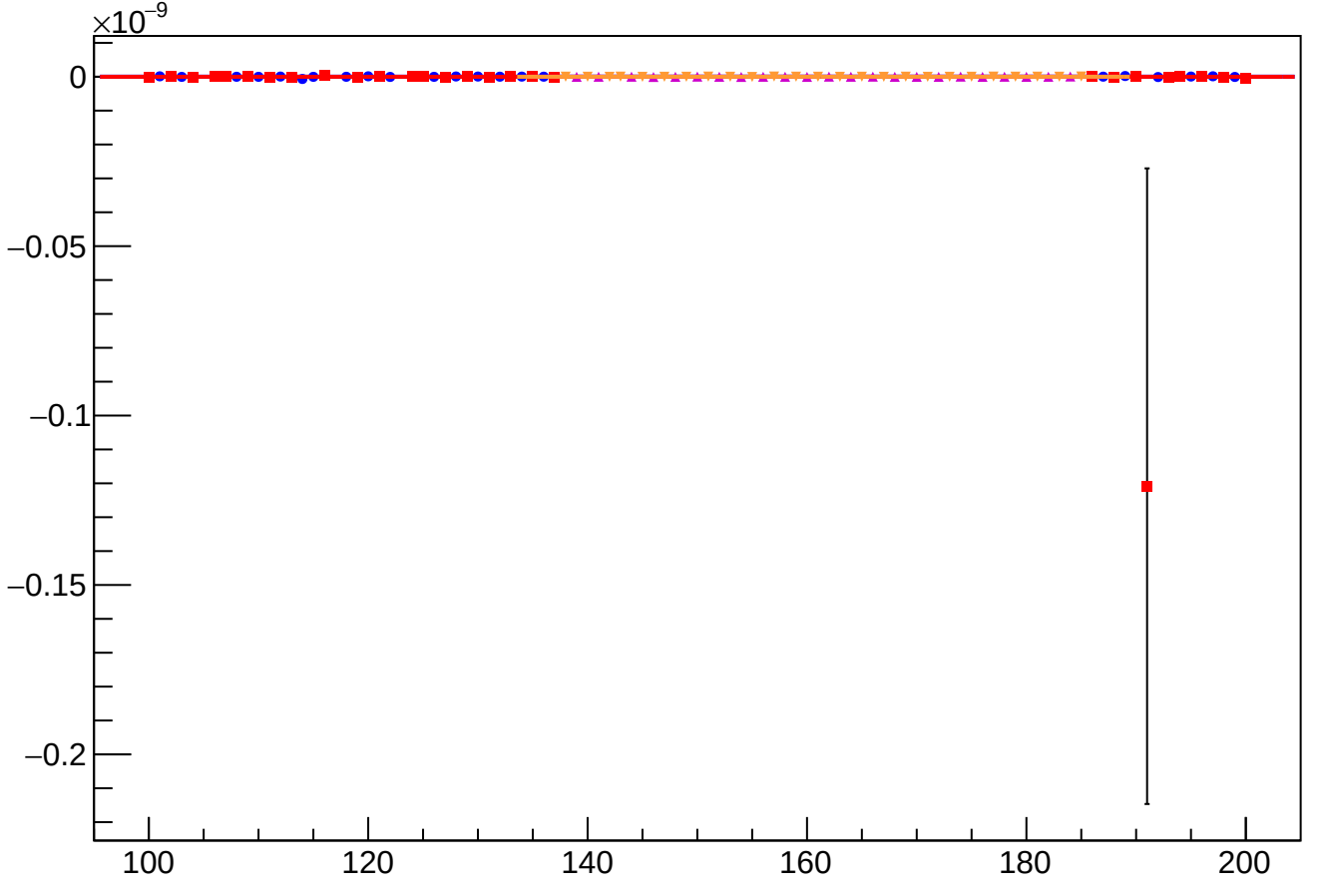
Right Out: 3072.615+/-0.603 χ^2/NDF: 711544.1/27

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2929.293+/-0.375 χ^2/NDF: 920862.1/46

All: 2938.478+/-0.264 χ^2/NDF: 1721006.3/97

- sign 2947.525+/-0.373 χ^2/NDF: 798956.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/27

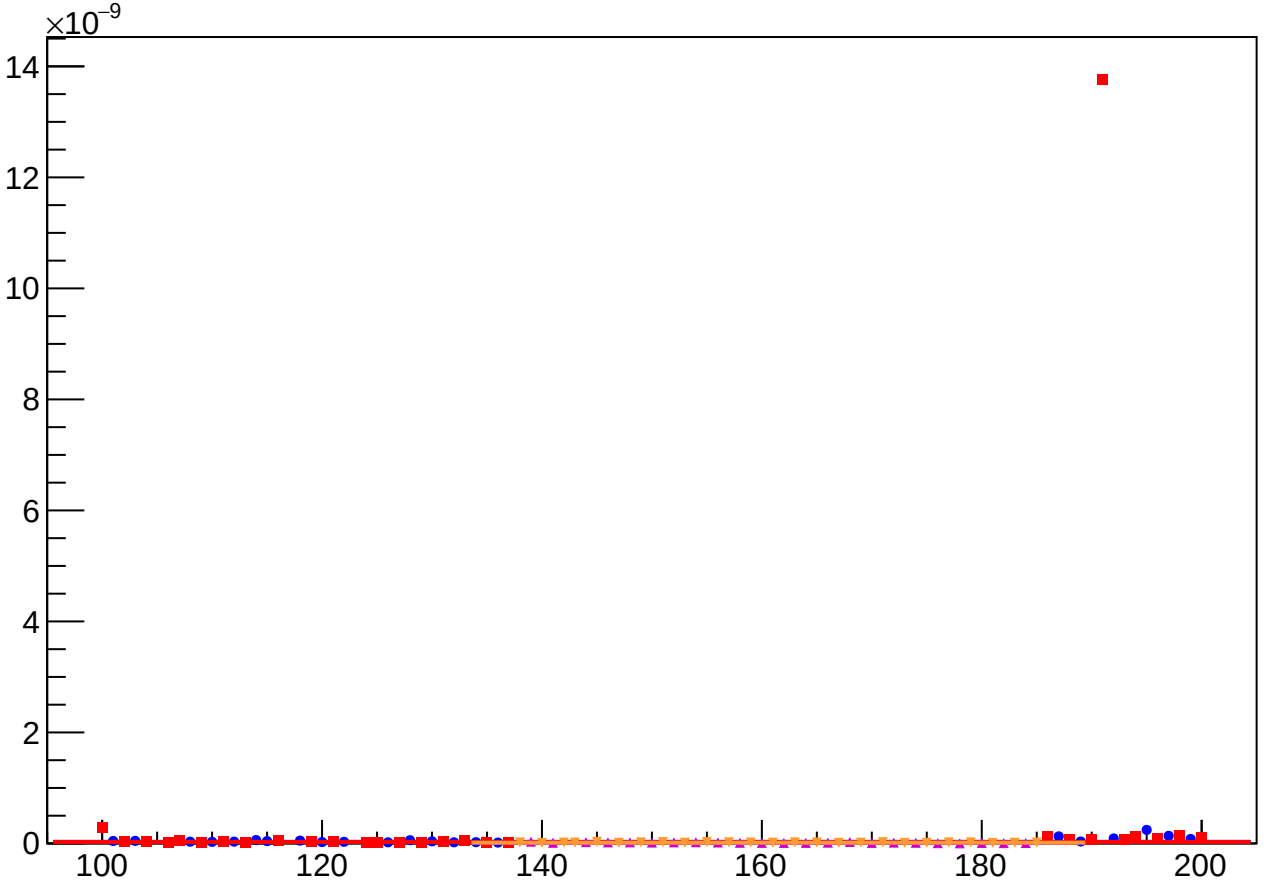
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/46

All: 0.000+/-0.000 χ^2/NDF: 94.1/97

- sign 0.000+/-0.000 χ^2/NDF: 63.3/50

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2630661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2796807.0/27

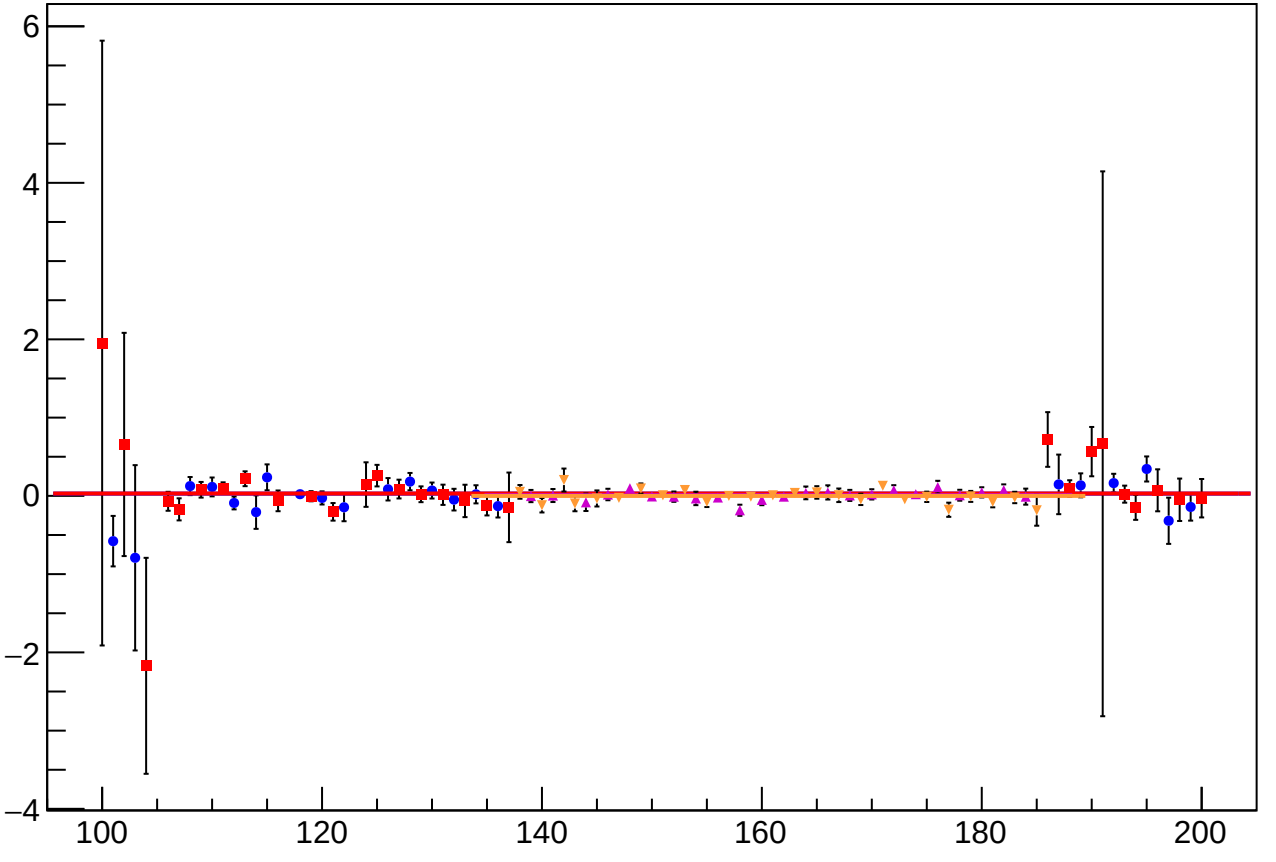
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5369749.4/46

All: 0.000+/-0.000 χ^2/NDF: 13506041.5/97

- sign 0.000+/-0.000 χ^2/NDF: 7868582.5/50

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.030+/-0.025 χ^2/NDF: 29.4/27

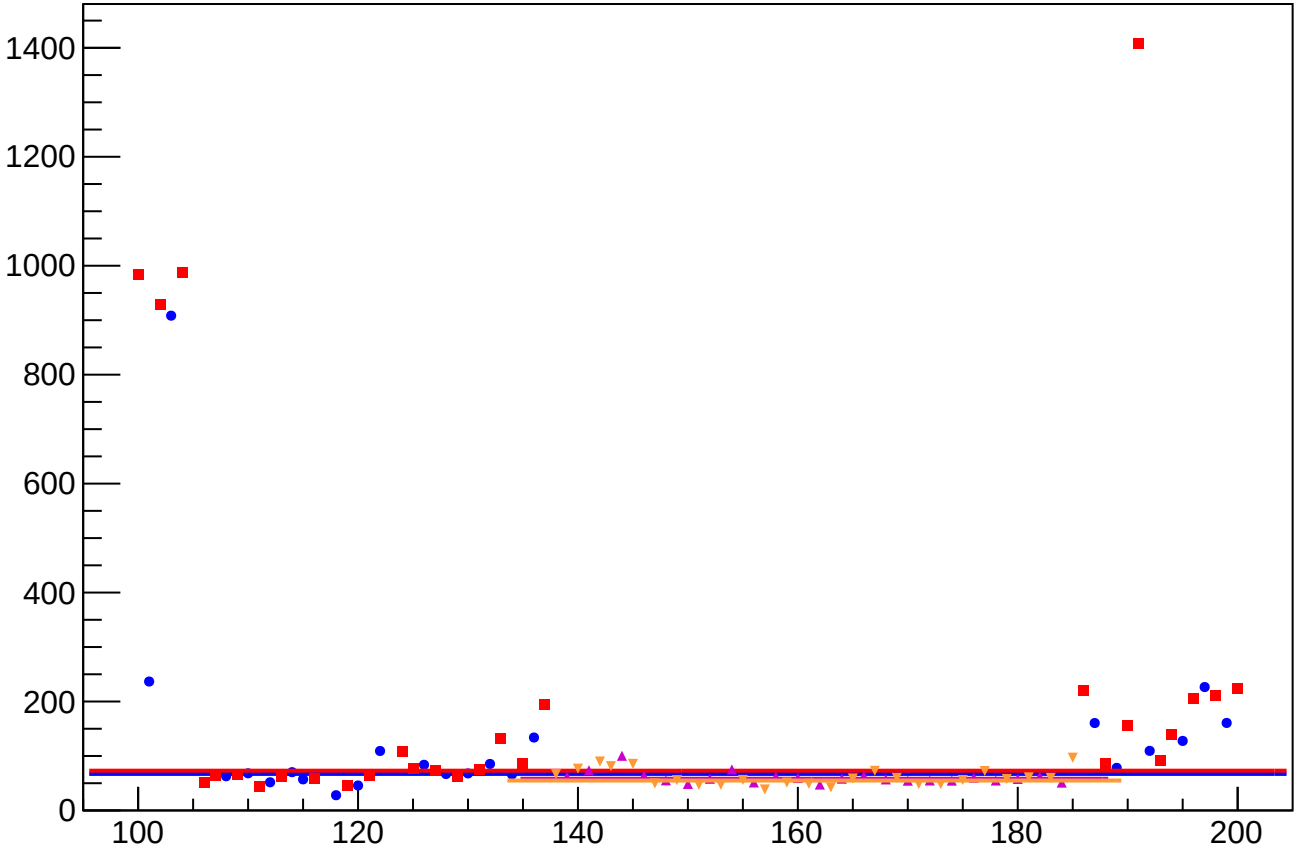
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/97

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

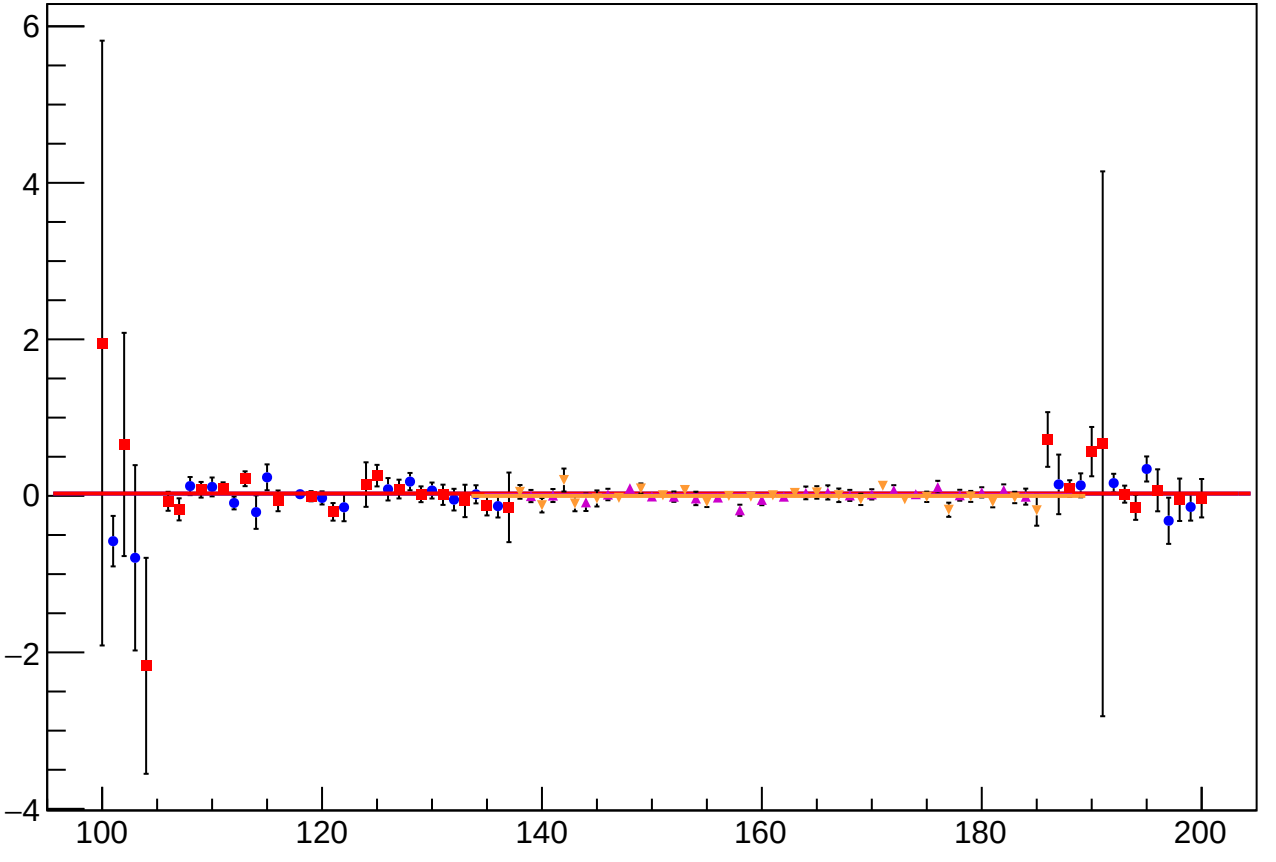
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927240.6/46

All: 59.744+/-0.006 χ^2/NDF: 14117515.5/97

- sign 61.913+/-0.009 χ^2/NDF: 7079492.4/50

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.030+/-0.025 χ^2/NDF: 29.4/27

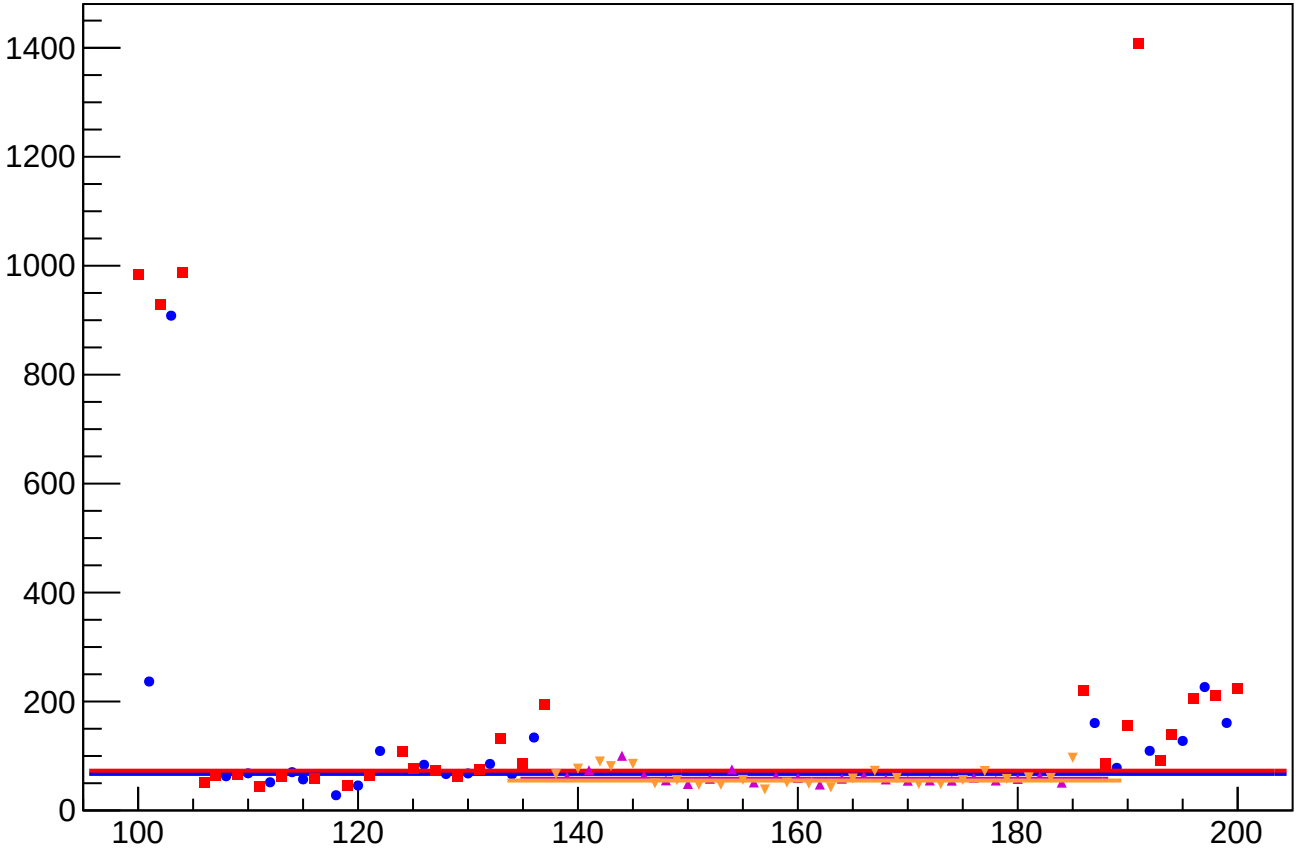
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/97

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

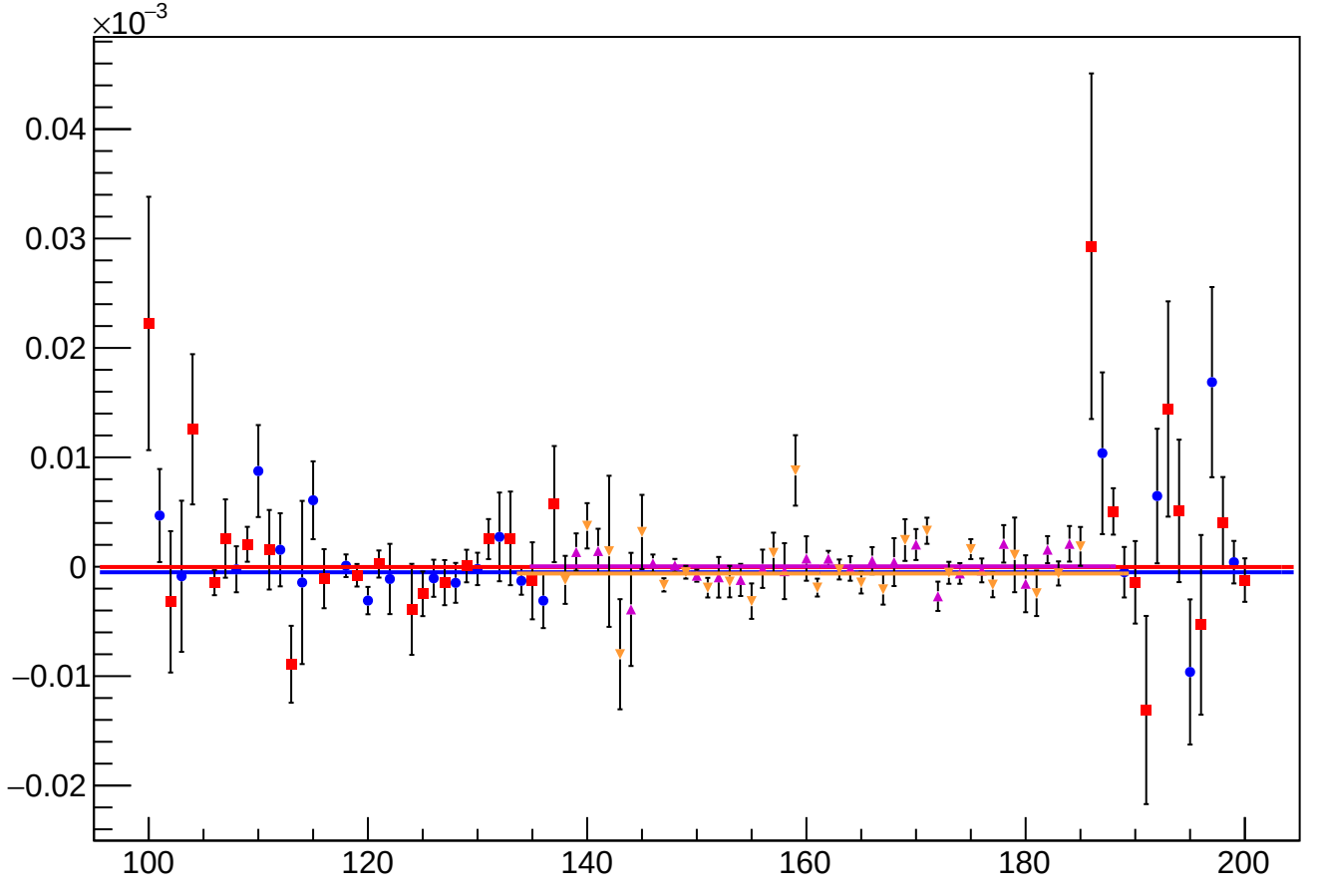
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927240.6/46

All: 59.744+/-0.006 χ^2/NDF: 14117515.5/97

- sign 61.913+/-0.009 χ^2/NDF: 7079492.4/50

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/27

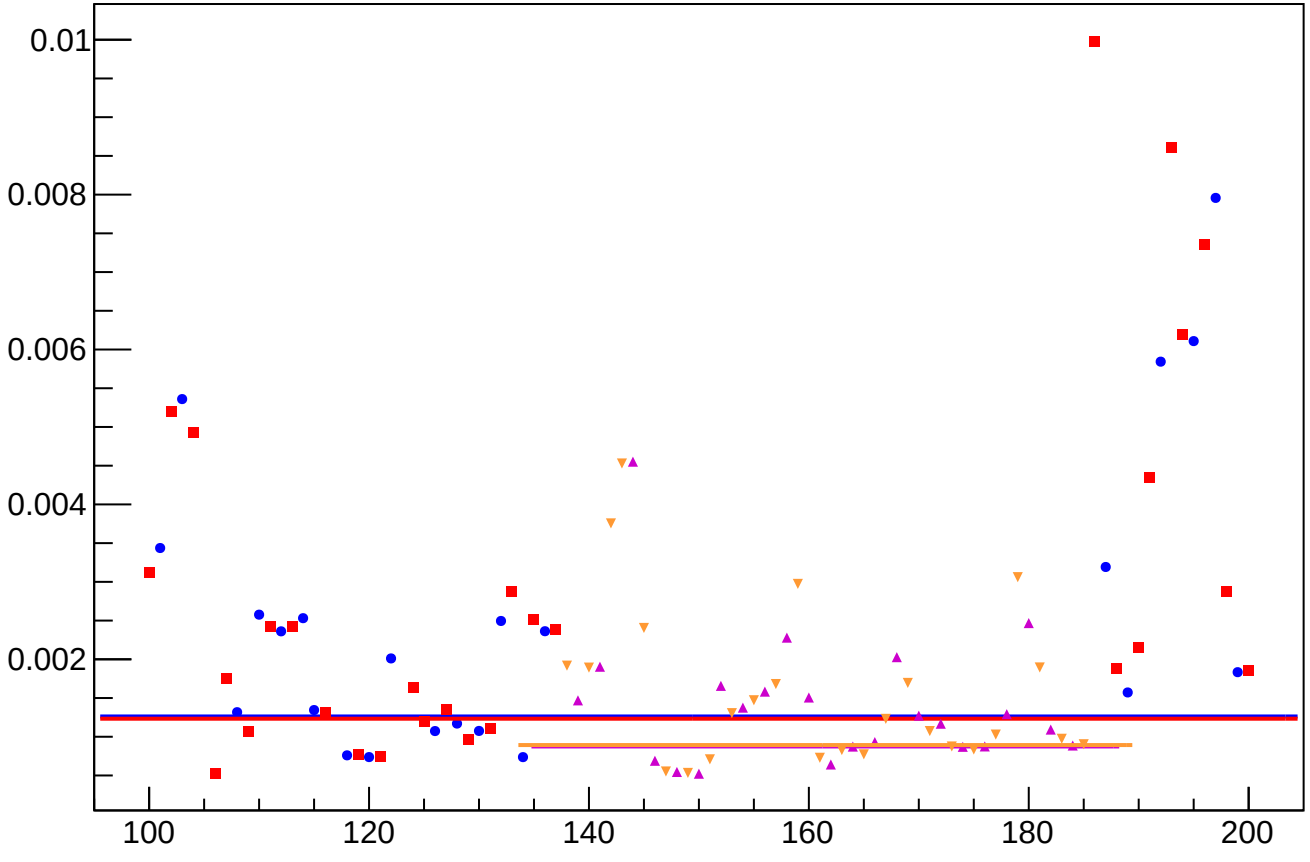
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/46

All: -0.000+/-0.000 χ^2/NDF: 143.3/97

- sign 0.000+/-0.000 χ^2/NDF: 59.2/50

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7316611.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9235157.4/27

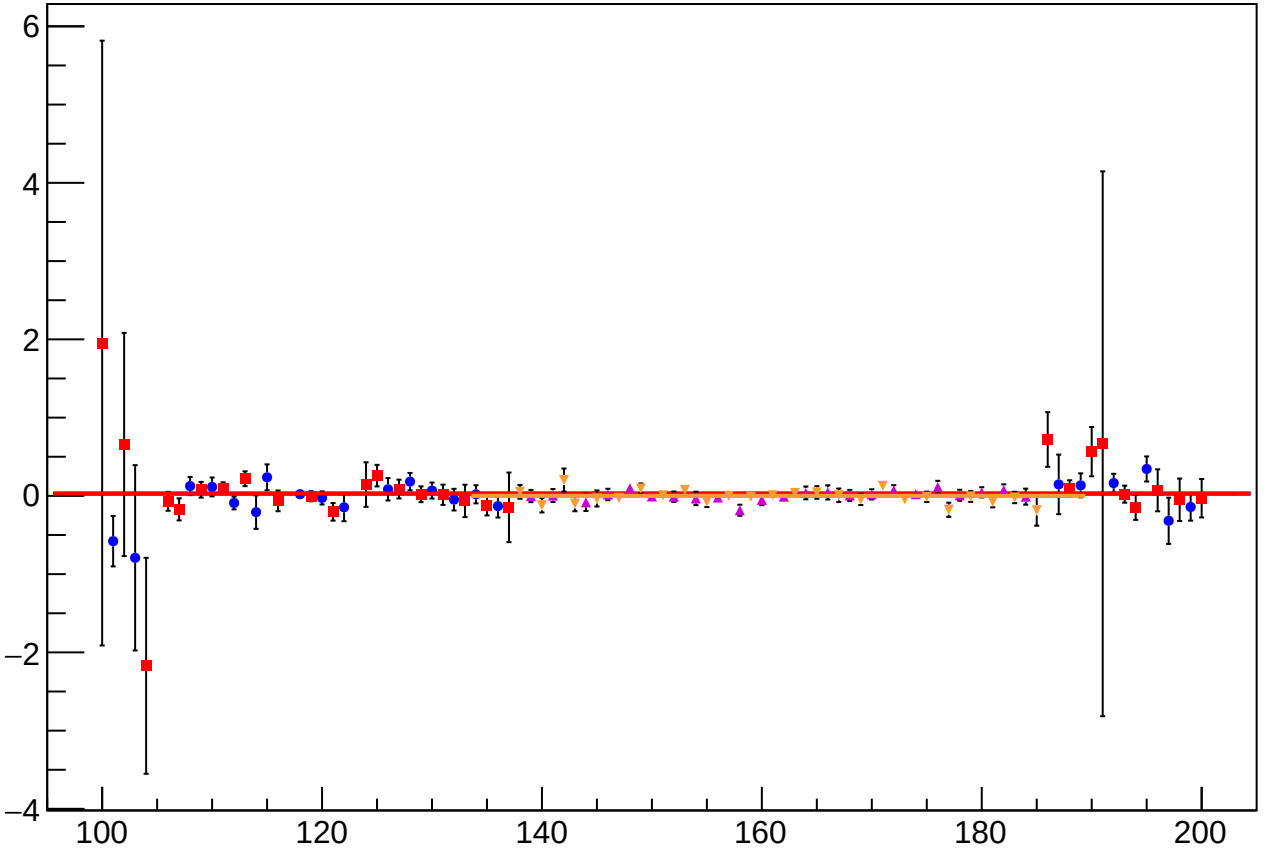
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16075108.2/46

All: 0.001+/-0.000 χ^2/NDF: 33327838.1/97

- sign 0.001+/-0.000 χ^2/NDF: 17249738.6/50

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.030+/-0.025 χ^2/NDF: 29.4/27

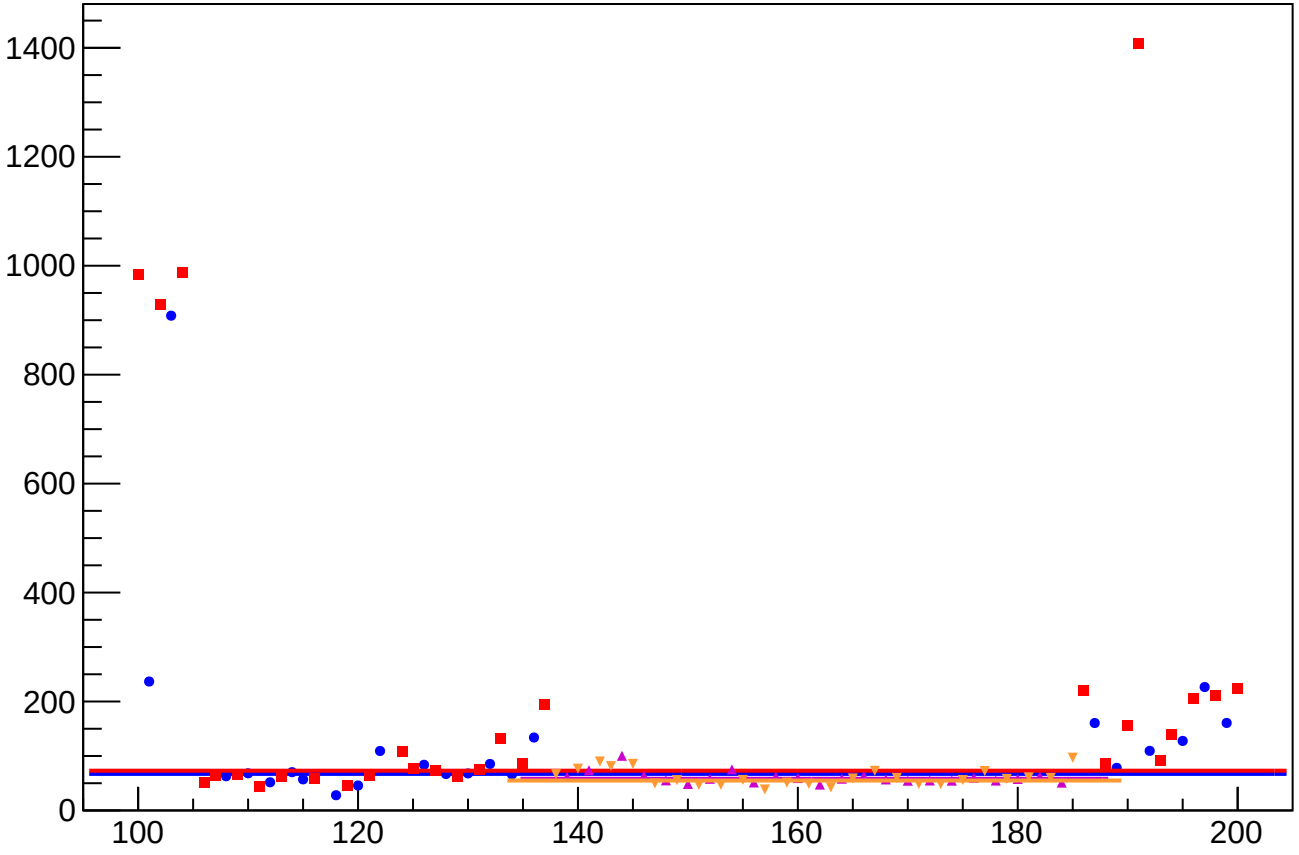
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/97

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

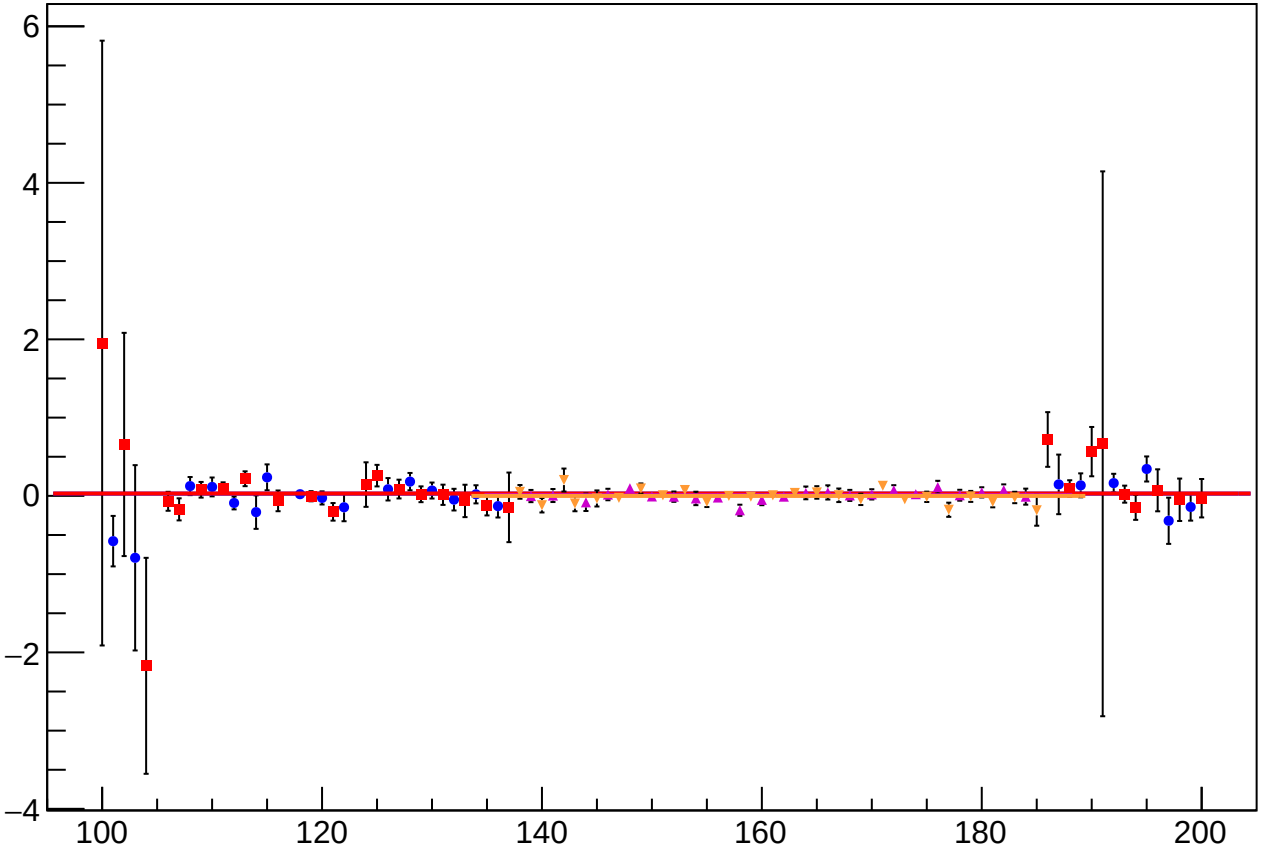
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927411.1/46

All: 59.744+/-0.006 χ^2/NDF: 14117735.4/97

- sign 61.913+/-0.009 χ^2/NDF: 7079515.4/50

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.030+/-0.025 χ^2/NDF: 29.4/27

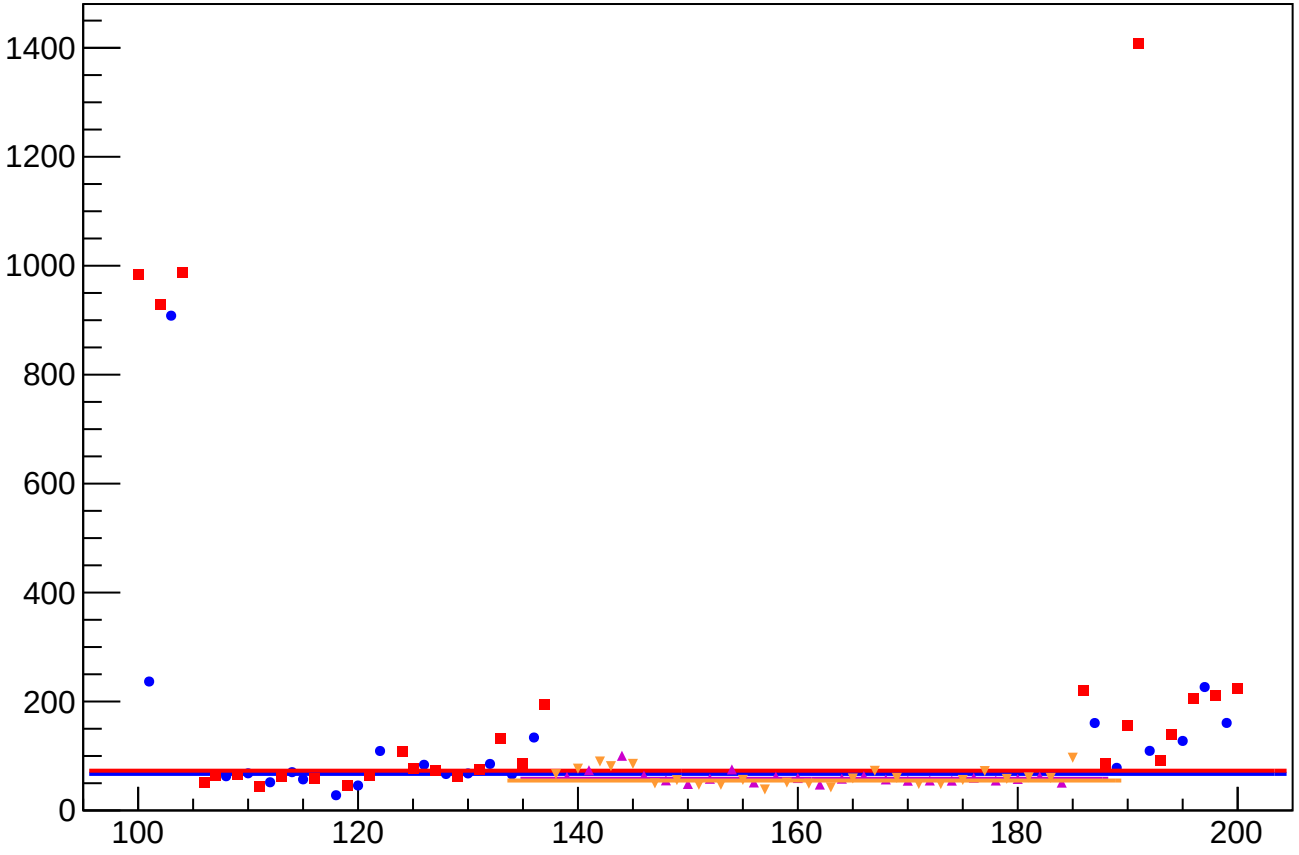
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/97

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

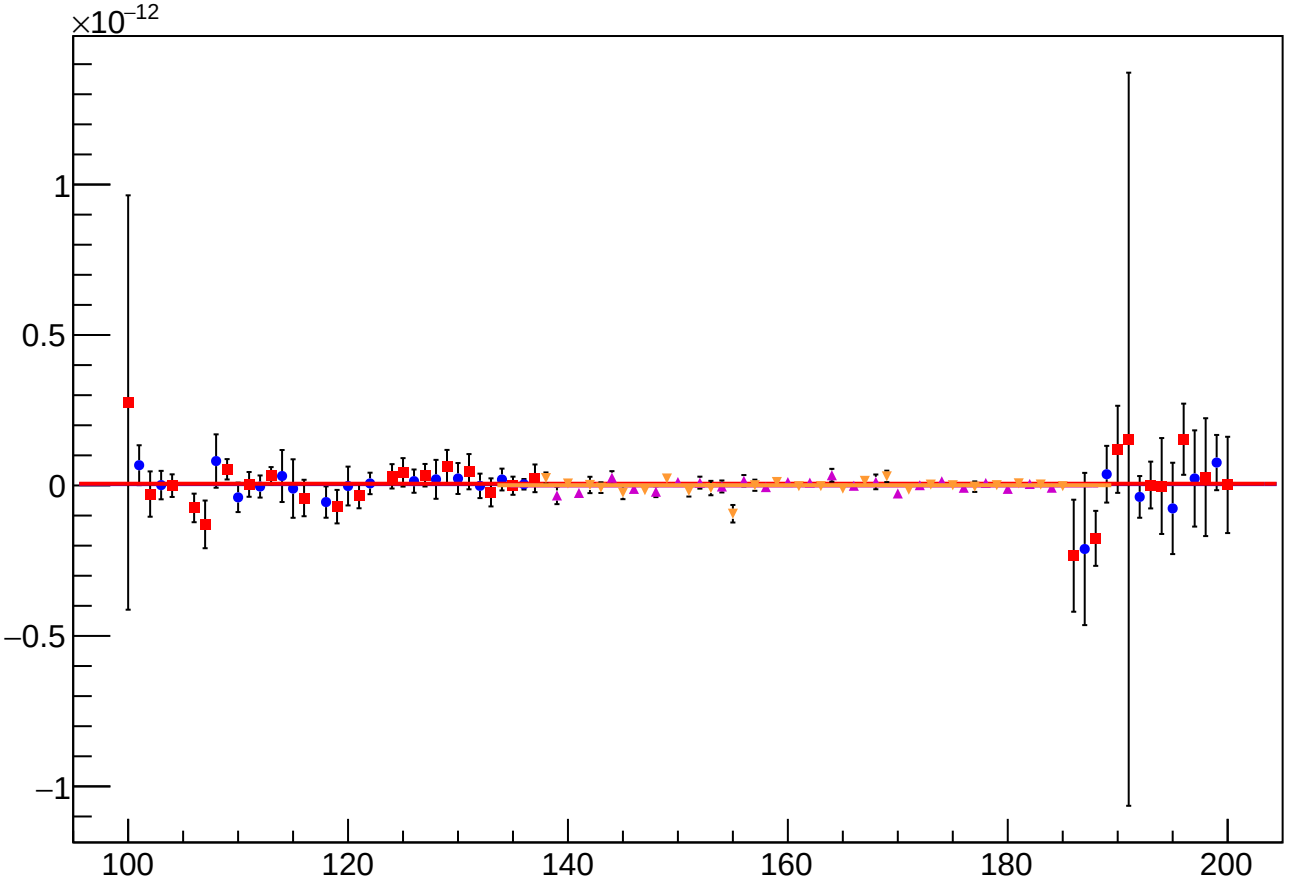
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927411.1/46

All: 59.744+/-0.006 χ^2/NDF: 14117735.4/97

- sign 61.913+/-0.009 χ^2/NDF: 7079515.4/50

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.5/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/27

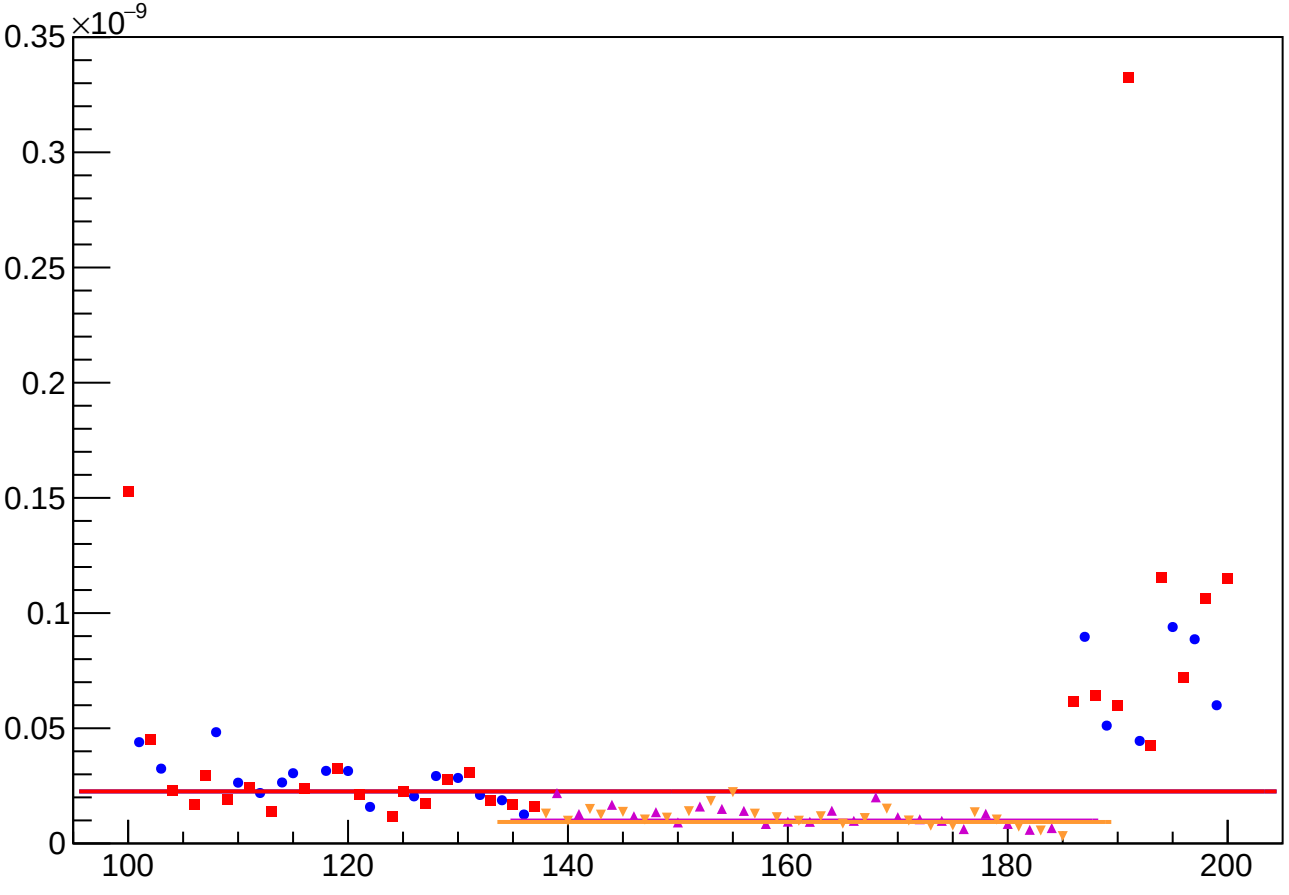
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/46

All: 0.000+/-0.000 χ^2/NDF: 76.6/97

- sign 0.000+/-0.000 χ^2/NDF: 44.5/50

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3036090.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3893104.4/27

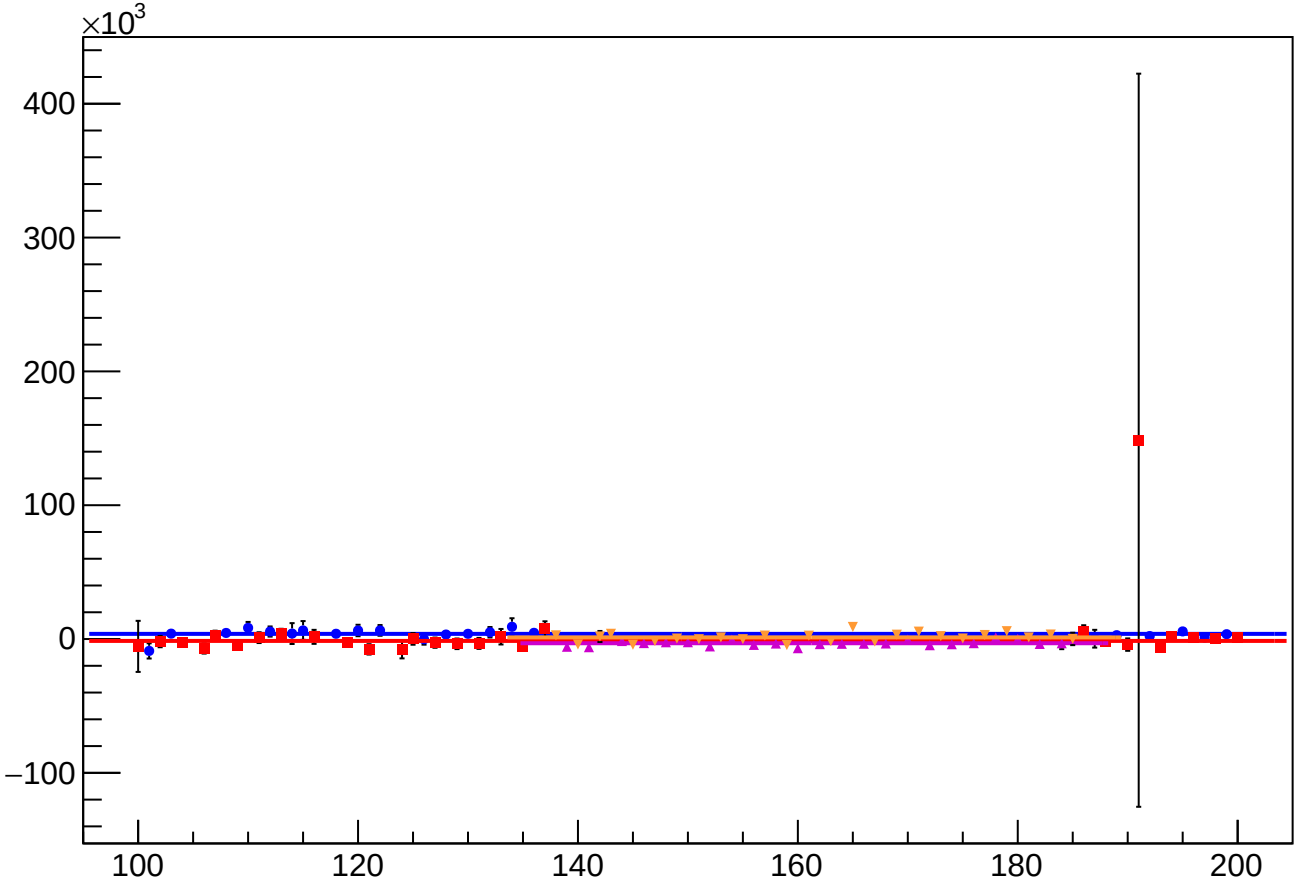
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9384225.4/46

All: 0.000+/-0.000 χ^2/NDF: 18949983.3/97

- sign 0.000+/-0.000 χ^2/NDF: 9497833.5/50

reg_asym_atr2_mean vs Slug



Right In: 3853.178+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1411.766+/-722.600 χ^2/NDF: 24.1/27

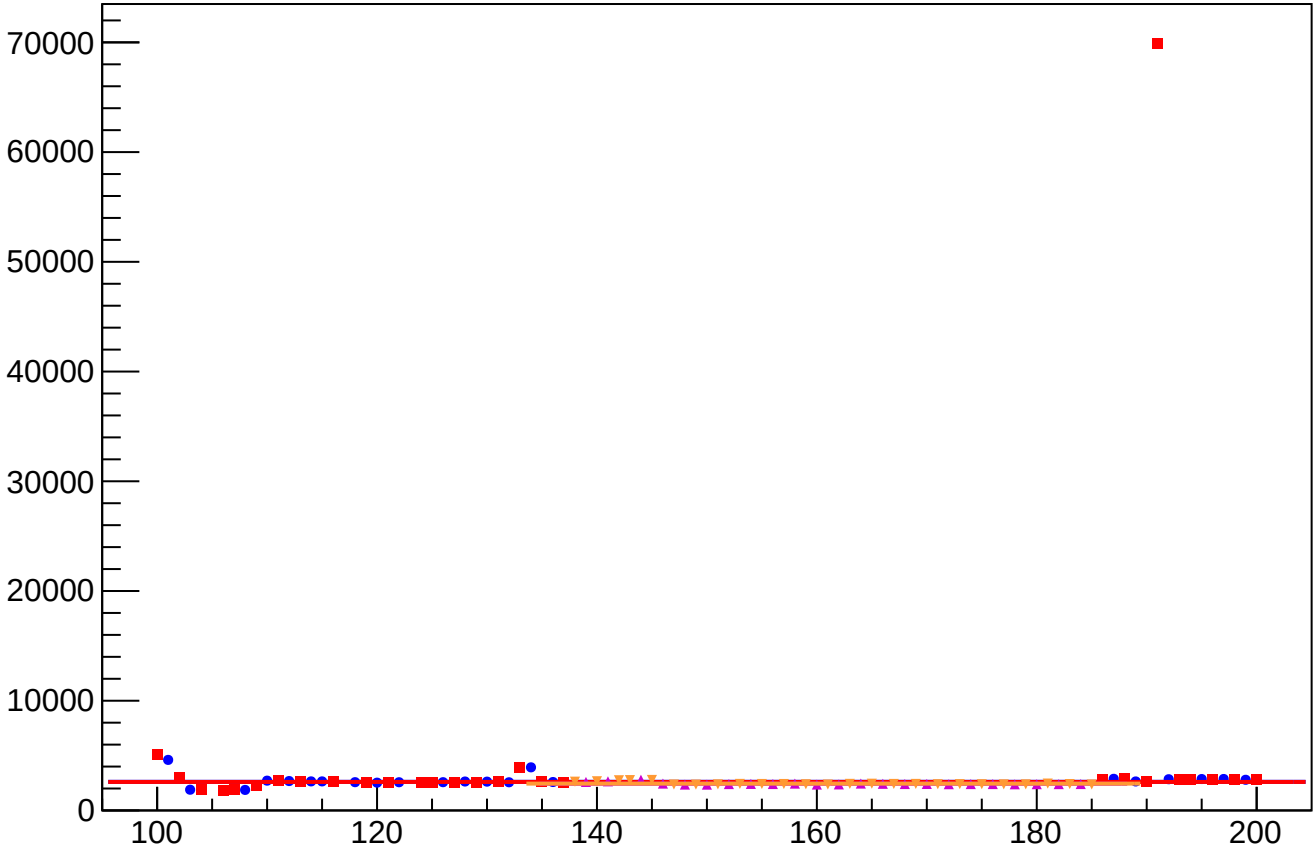
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.629+/-452.802 χ^2/NDF: 49.8/46

All: -226.297+/-318.162 χ^2/NDF: 141.7/97

- sign -2482.803+/-447.149 χ^2/NDF: 40.3/50

reg_asym_atr2_rms vs Slug



Right In: 2609.881+/-0.551 χ^2/NDF: 686590.1/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2598.496+/-0.511 χ^2/NDF: 719958.6/27

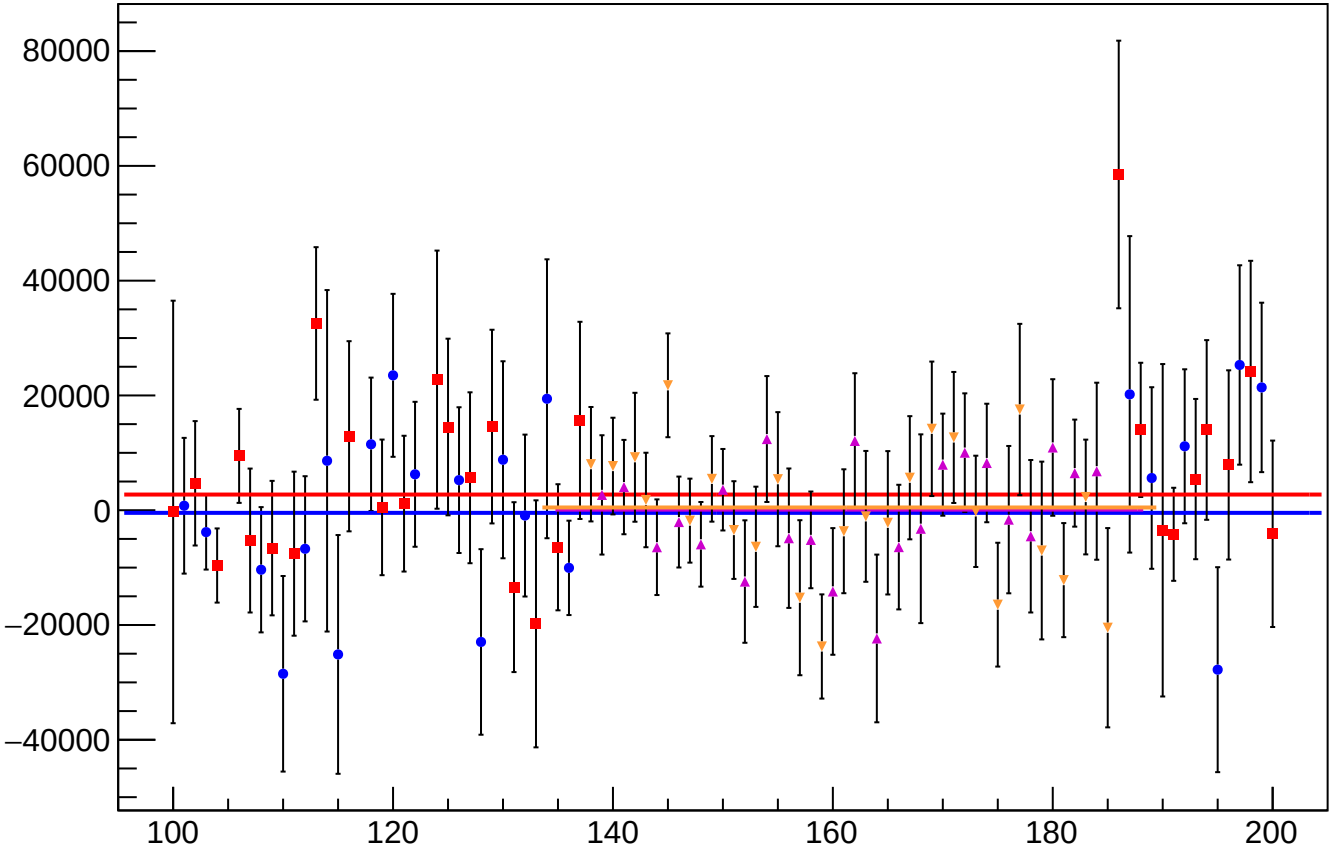
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.168+/-0.320 χ^2/NDF: 835293.9/46

All: 2499.662+/-0.225 χ^2/NDF: 1676935.5/97

- sign 2498.192+/-0.316 χ^2/NDF: 841597.8/50

asym_atr2_reg_correction_mean vs Slug



Right In: -458.685+/-2799.207 χ^2/NDF: 22.4/21

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2731.273+/-2441.125 χ^2/NDF: 26.4/27

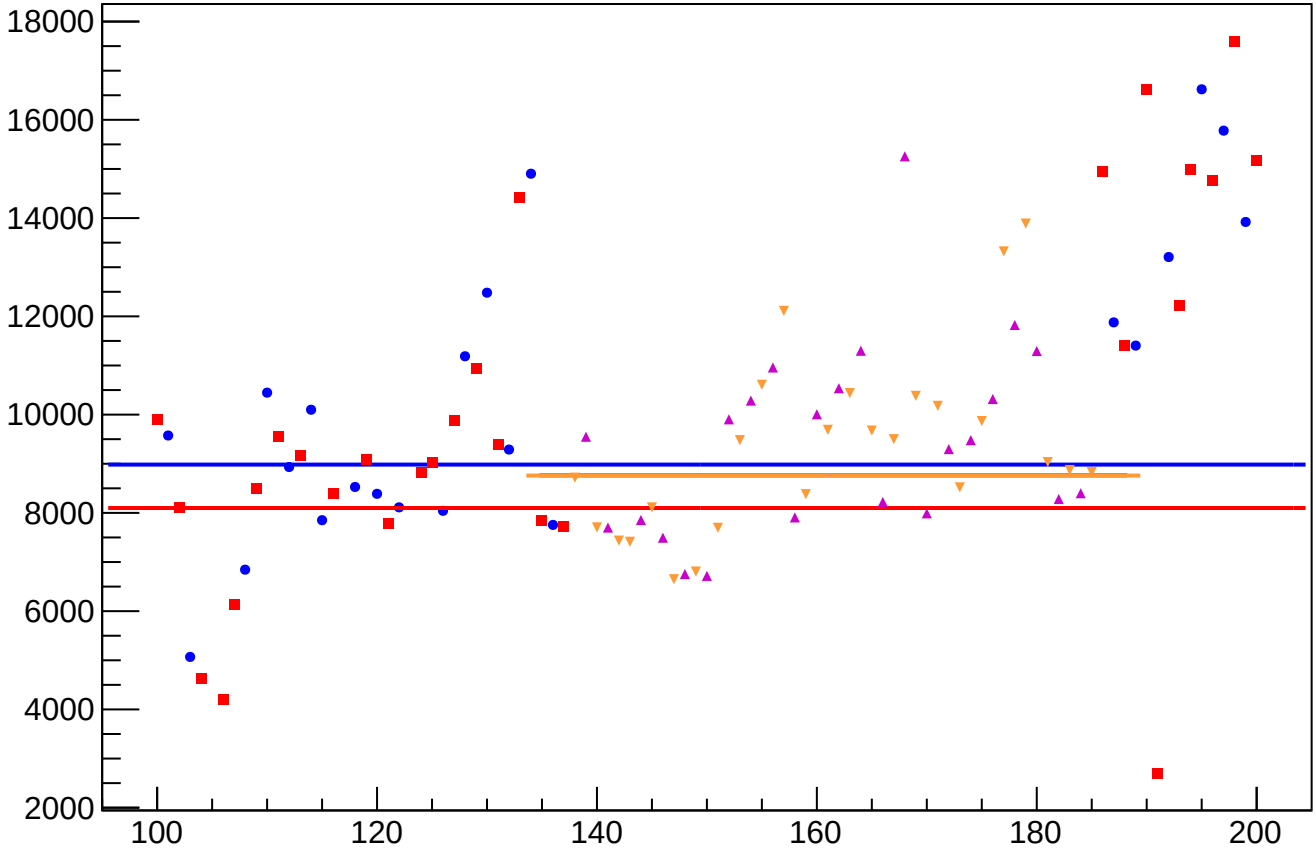
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 153.388+/-1646.510 χ^2/NDF: 49.9/46

All: 704.094+/-1143.014 χ^2/NDF: 91.6/97

- sign 1216.362+/-1588.009 χ^2/NDF: 41.5/50

asym_atr2_reg_correction_rms vs Slug



Right In: 8983.047+/-1.979 χ^2/NDF: 2299130.8/21

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8099.216+/-1.726 χ^2/NDF: 4564973.5/27

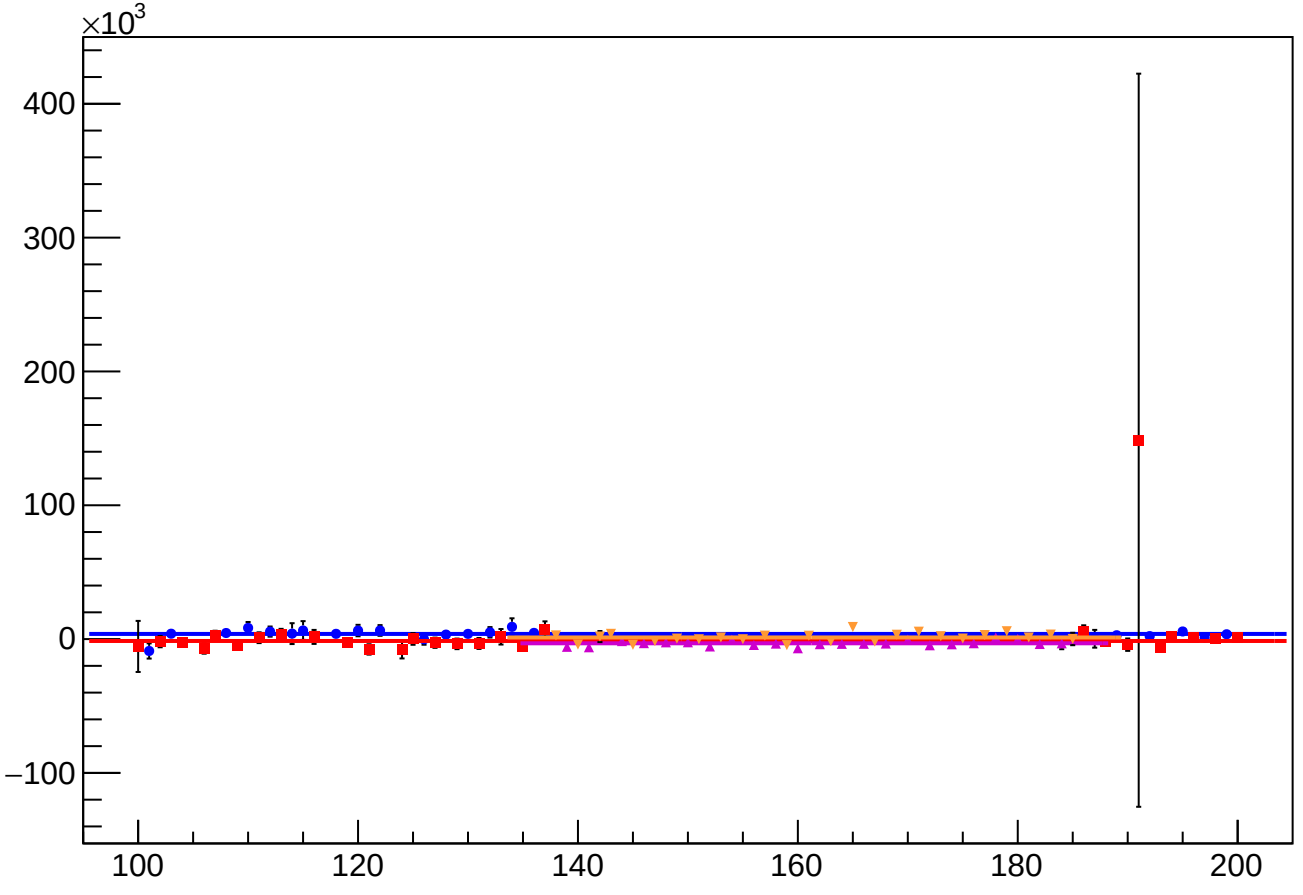
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8836.933+/-1.164 χ^2/NDF: 3529701.0/46

All: 8653.440+/-0.808 χ^2/NDF: 9519909.9/97

- sign 8482.755+/-1.123 χ^2/NDF: 5942264.2/50

cor_asym_atr2_mean vs Slug



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1412.162+/-722.604 χ^2/NDF: 24.1/27

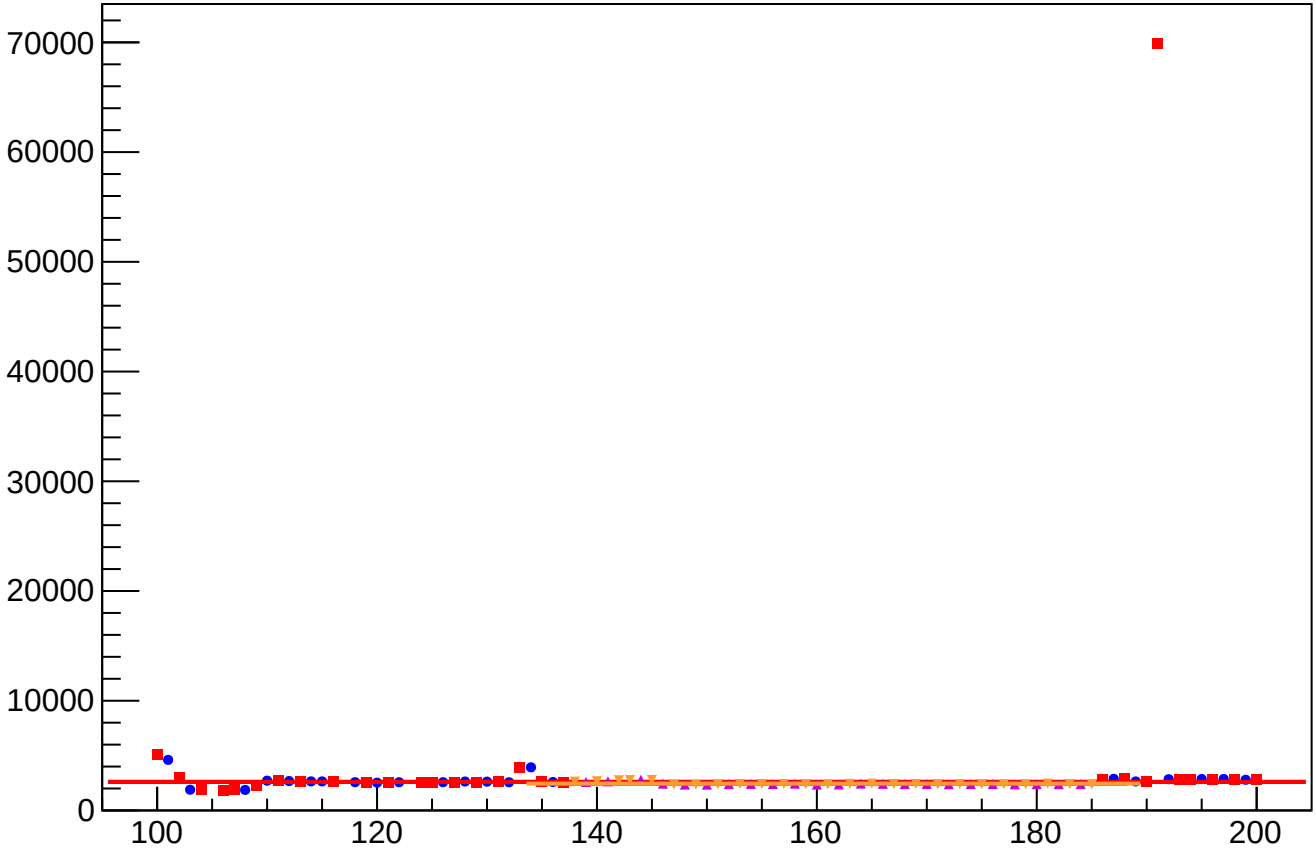
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.429+/-452.802 χ^2/NDF: 49.8/46

All: -226.409+/-318.162 χ^2/NDF: 141.7/97

- sign -2482.837+/-447.150 χ^2/NDF: 40.3/50

cor_asym_atr2_rms vs Slug



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

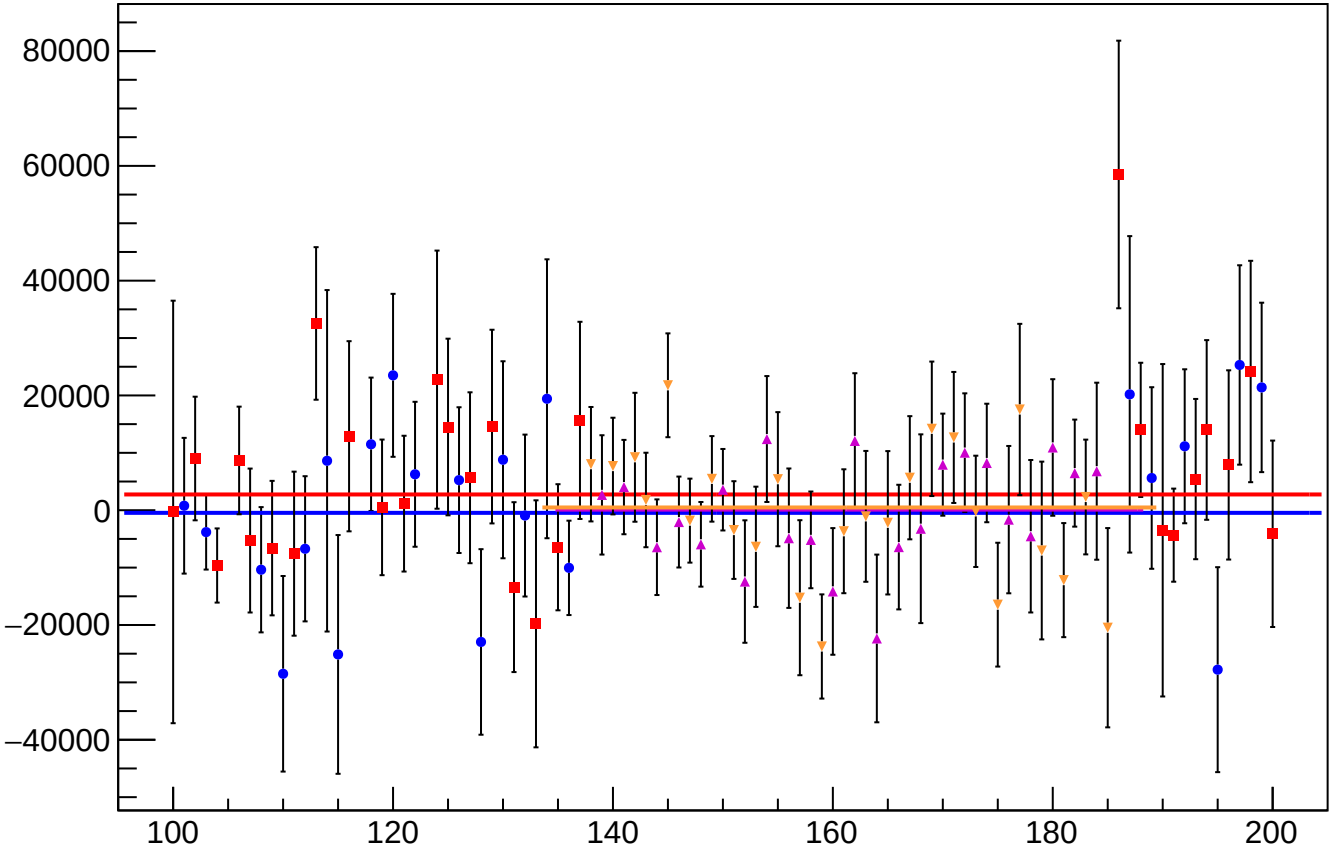
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.169+/-0.320 χ^2/NDF: 835291.7/46

All: 2499.665+/-0.225 χ^2/NDF: 1676873.0/97

- sign 2498.198+/-0.316 χ^2/NDF: 841537.8/50

asym_atr2_cor_correction_mean vs Slug



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2745.908+/-2466.641 χ^2/NDF: 26.4/27

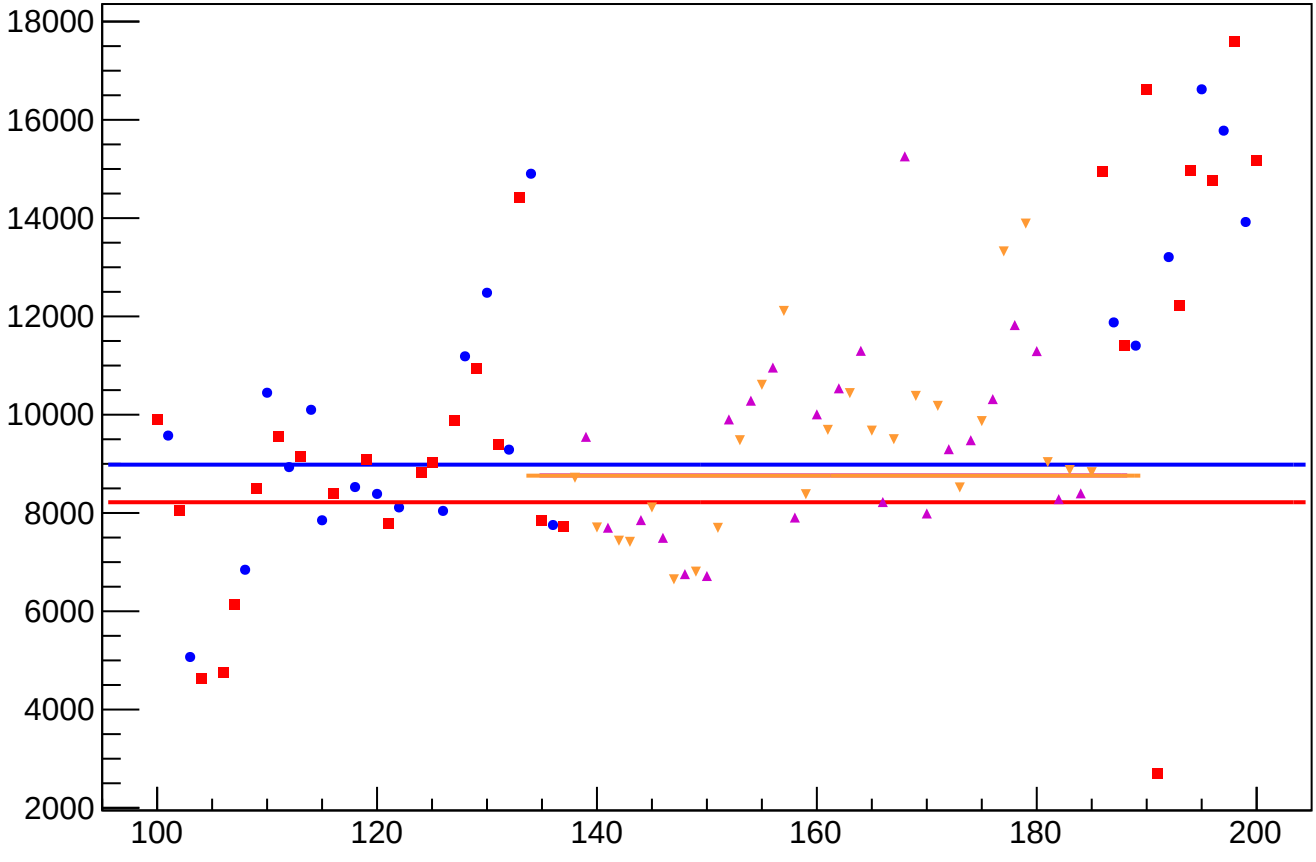
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 153.522+/-1646.523 χ^2/NDF: 49.9/46

All: 698.152+/-1145.606 χ^2/NDF: 91.6/97

- sign 1209.211+/-1594.969 χ^2/NDF: 41.6/50

asym_atr2_cor_correction_rms vs Slug



Right In: 8983.363+/-1.979 χ^2/NDF: 2298685.1/21

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8218.708+/-1.744 χ^2/NDF: 4358686.6/27

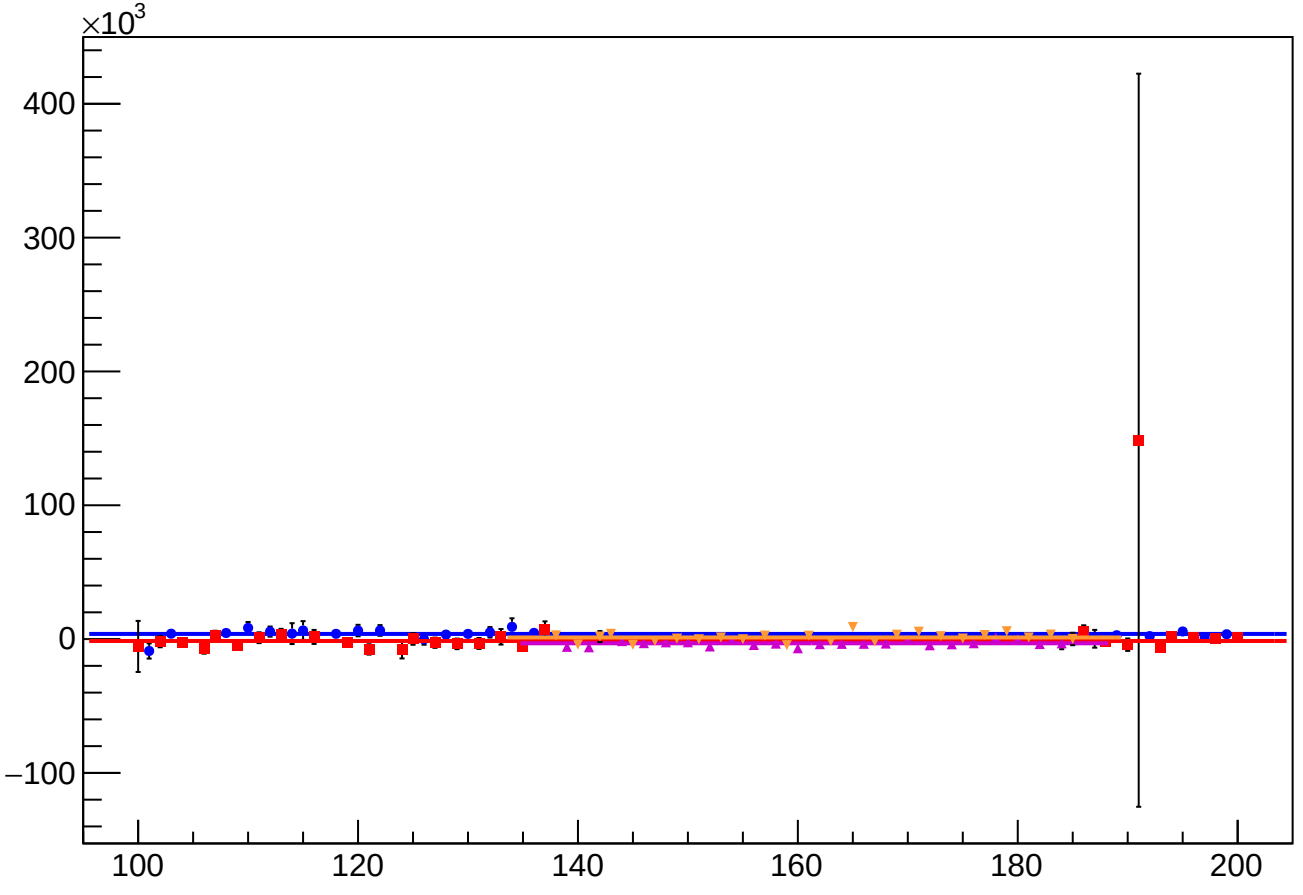
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8837.033+/-1.164 χ^2/NDF: 3529290.2/46

All: 8681.773+/-0.810 χ^2/NDF: 9271049.9/97

- sign 8536.083+/-1.128 χ^2/NDF: 5707289.0/50

eigen_cor_asym_atr2_mean vs Slug



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1412.162+/-722.604 χ^2/NDF: 24.1/27

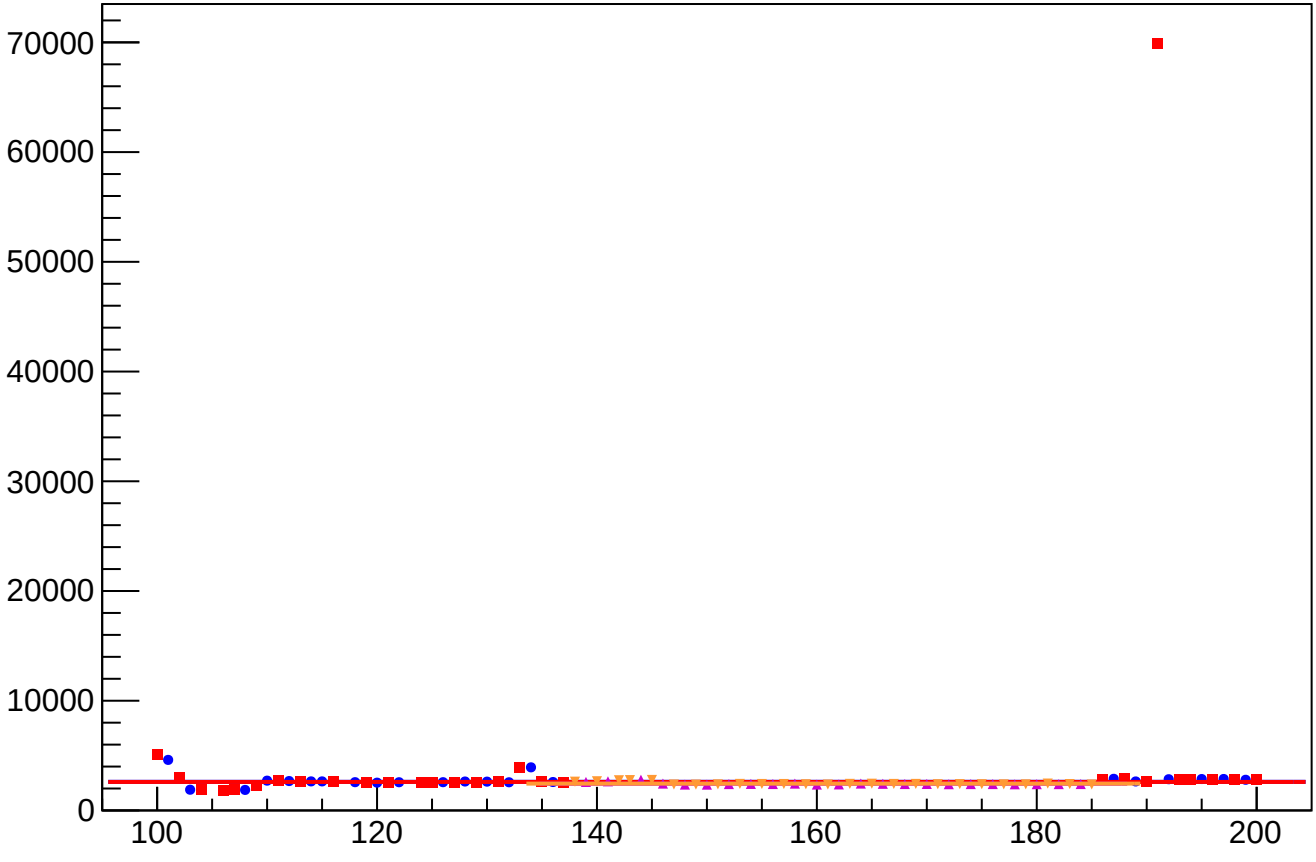
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.429+/-452.802 χ^2/NDF: 49.8/46

All: -226.409+/-318.162 χ^2/NDF: 141.7/97

- sign -2482.837+/-447.150 χ^2/NDF: 40.3/50

eigen_cor_asym_atr2_rms vs Slug



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

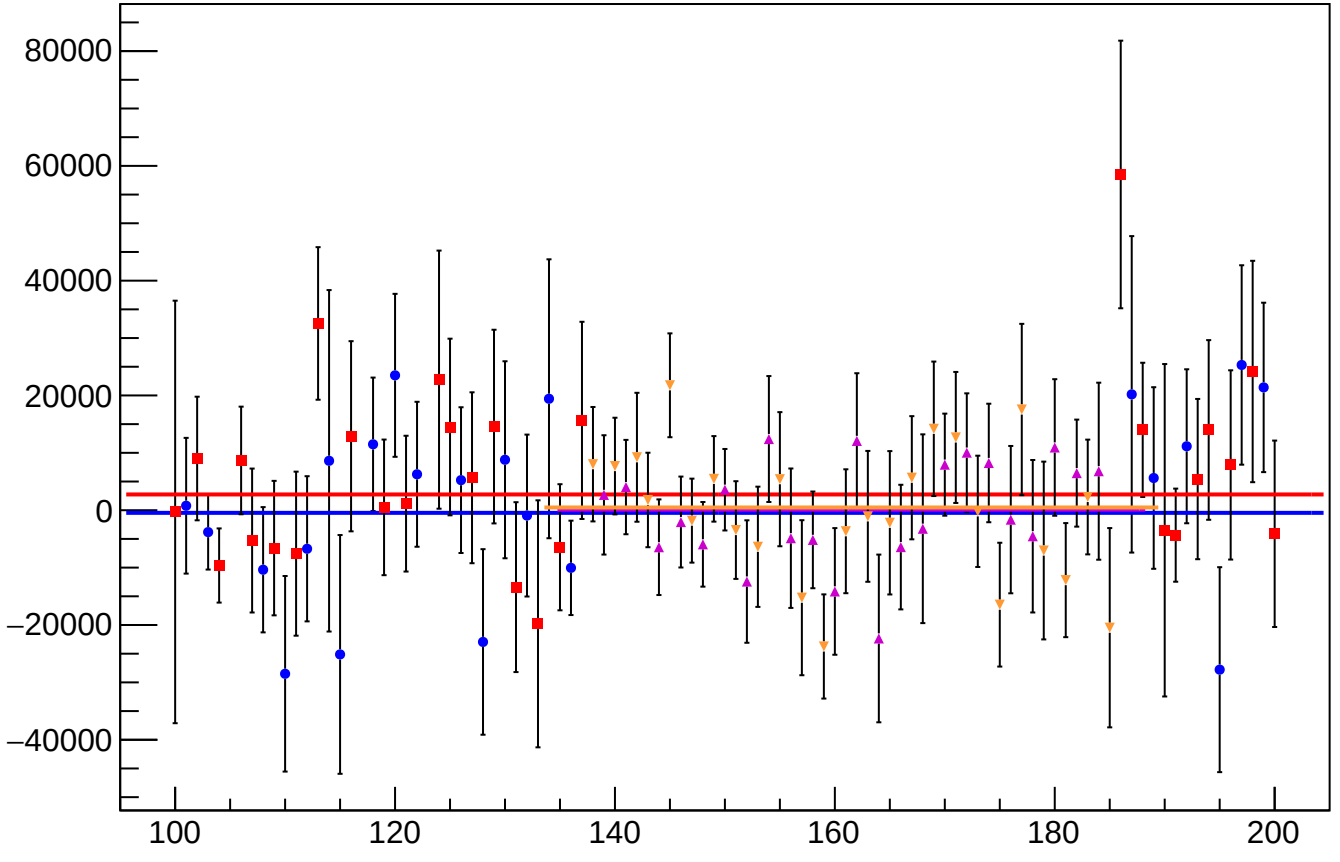
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.169+/-0.320 χ^2/NDF: 835291.7/46

All: 2499.665+/-0.225 χ^2/NDF: 1676873.0/97

- sign 2498.198+/-0.316 χ^2/NDF: 841537.8/50

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2745.908+/-2466.641 χ^2/NDF: 26.4/27

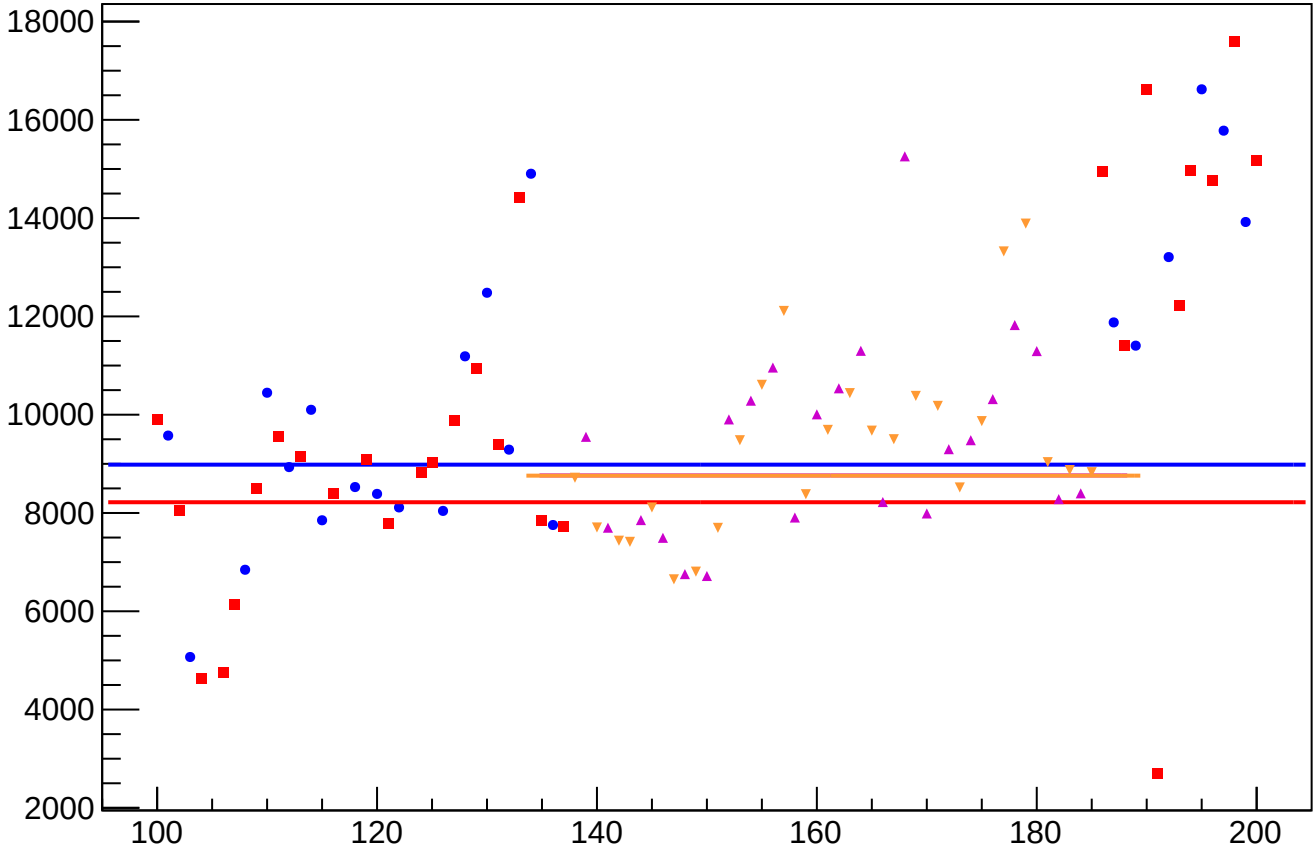
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 153.522+/-1646.523 χ^2/NDF: 49.9/46

All: 698.152+/-1145.606 χ^2/NDF: 91.6/97

- sign 1209.211+/-1594.969 χ^2/NDF: 41.6/50

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8983.363+/-1.979 χ^2/NDF: 2298685.1/21

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8218.708+/-1.744 χ^2/NDF: 4358686.6/27

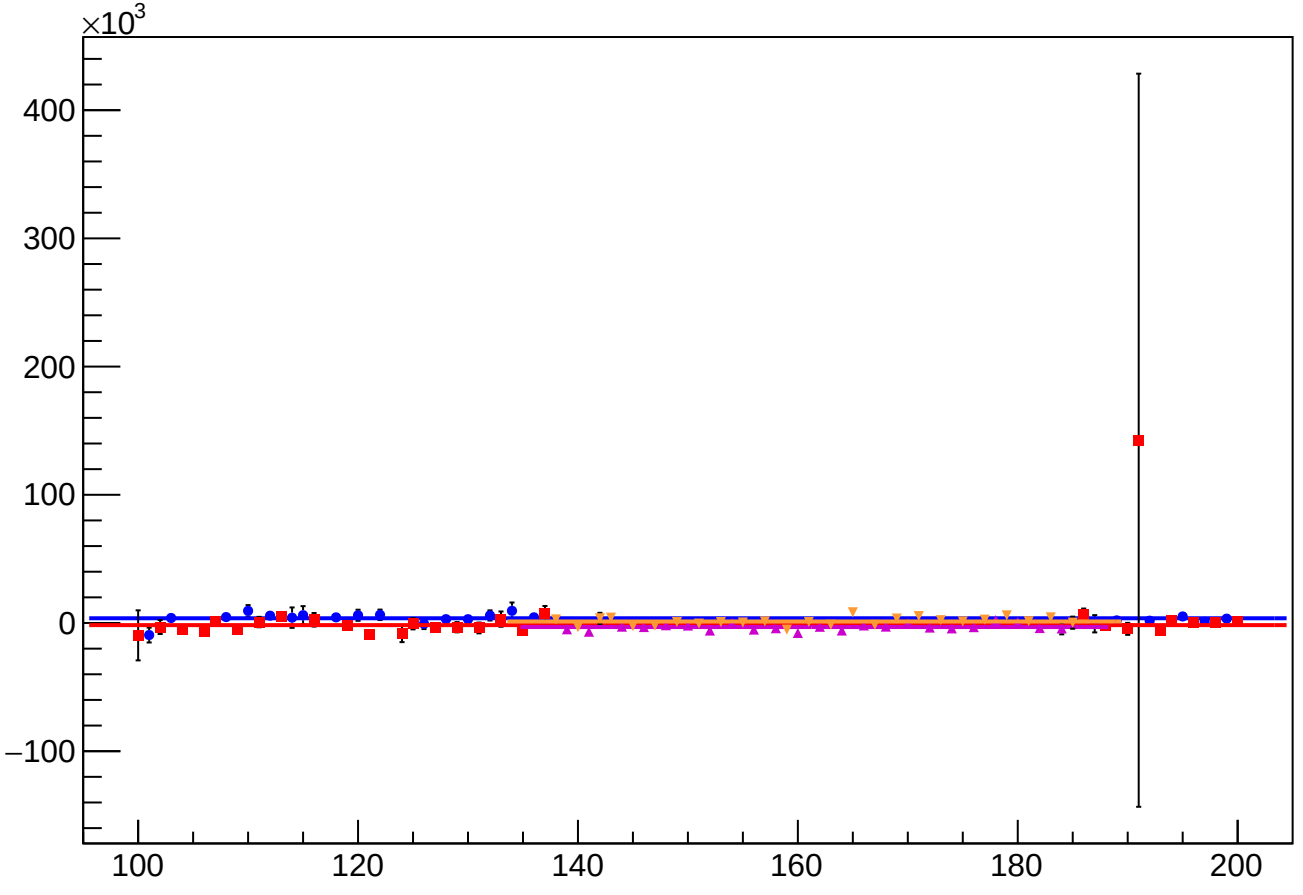
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8837.033+/-1.164 χ^2/NDF: 3529290.2/46

All: 8681.773+/-0.810 χ^2/NDF: 9271049.9/97

- sign 8536.083+/-1.128 χ^2/NDF: 5707289.0/50

dit_asym_atr2_mean vs Slug



Right In: 3692.101+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1652.285+/-749.170 χ^2/NDF: 27.4/27

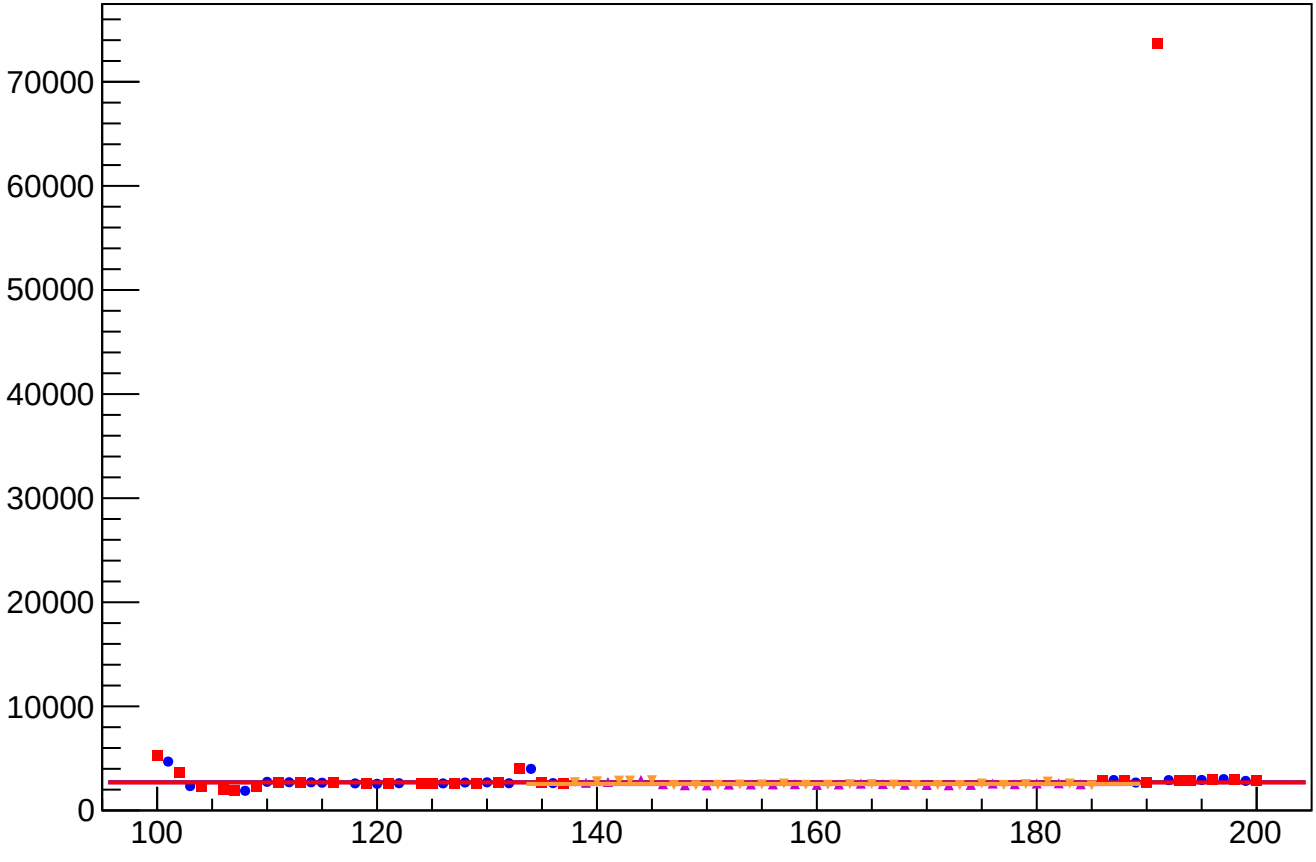
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2057.213+/-470.838 χ^2/NDF: 45.3/46

All: -289.725+/-330.684 χ^2/NDF: 140.7/97

- sign -2574.304+/-464.541 χ^2/NDF: 46.3/50

dit_asym_atr2_rms vs Slug



Right In: 2709.970+/-0.571 χ^2/NDF: 543929.9/21

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2693.344+/-0.530 χ^2/NDF: 627000.8/27

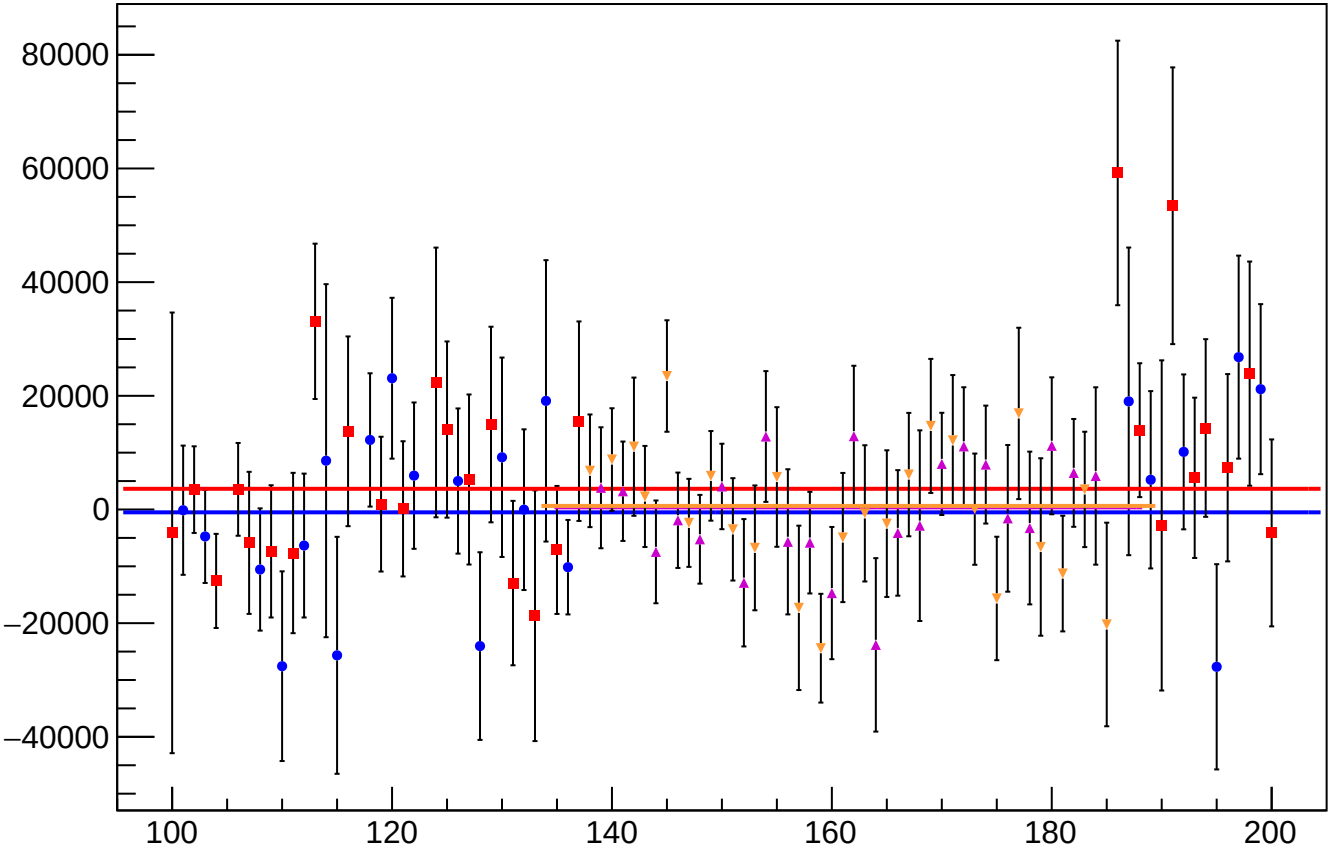
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2602.560+/-0.333 χ^2/NDF: 714917.7/46

All: 2598.494+/-0.234 χ^2/NDF: 1467230.1/97

- sign 2594.538+/-0.328 χ^2/NDF: 752018.1/50

asym_atr2_dit_correction_mean vs Slug



Right In: -501.479+/-2905.111 χ^2/NDF: 22.2/21

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3641.320+/-2563.586 χ^2/NDF: 28.9/27

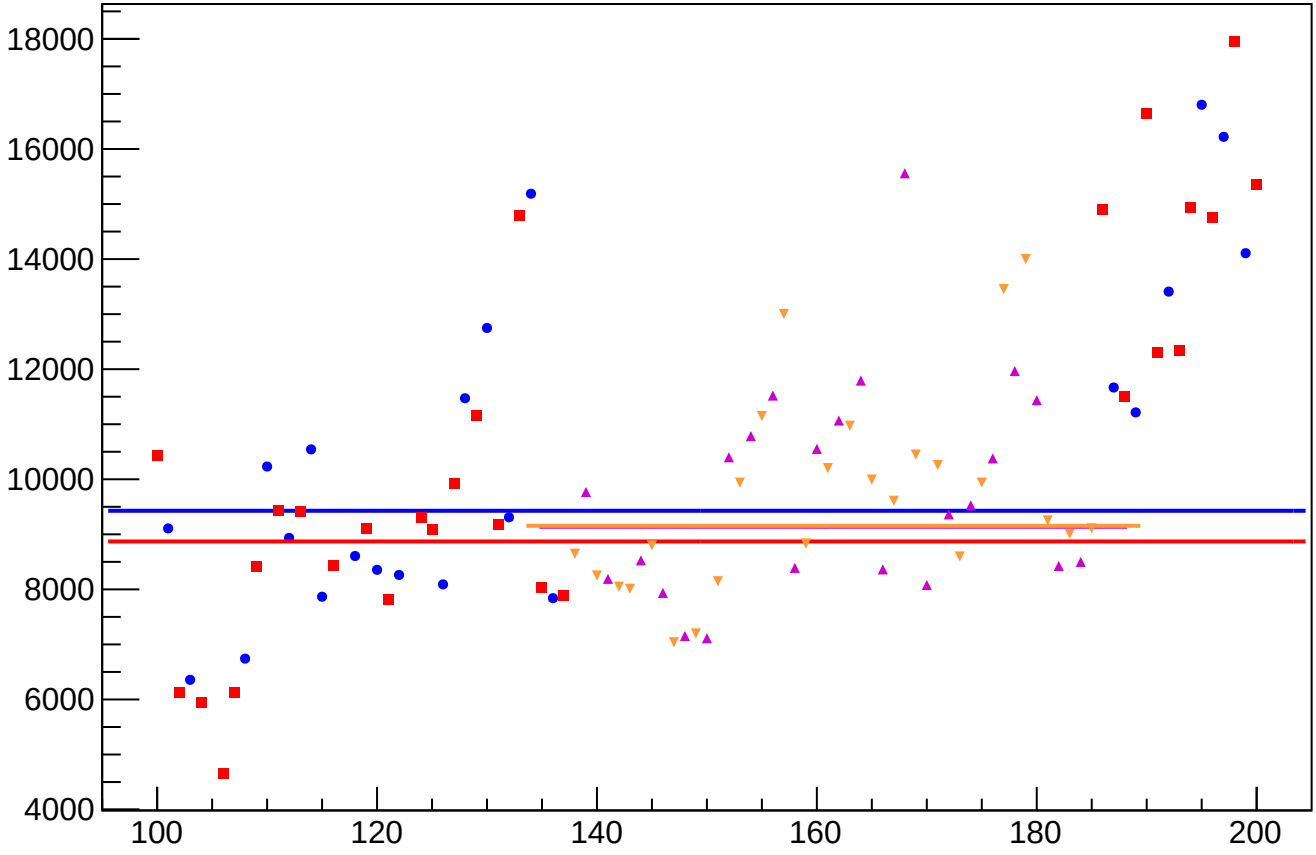
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 236.964+/-1714.135 χ^2/NDF: 49.0/46

All: 1015.462+/-1192.145 χ^2/NDF: 93.4/97

- sign 1744.778+/-1659.107 χ^2/NDF: 44.1/50

asym_atr2_dit_correction_rms vs Slug



Right In: 9427.817+/-2.054 χ^2/NDF: 1802527.0/21

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8870.267+/-1.813 χ^2/NDF: 3209056.6/27

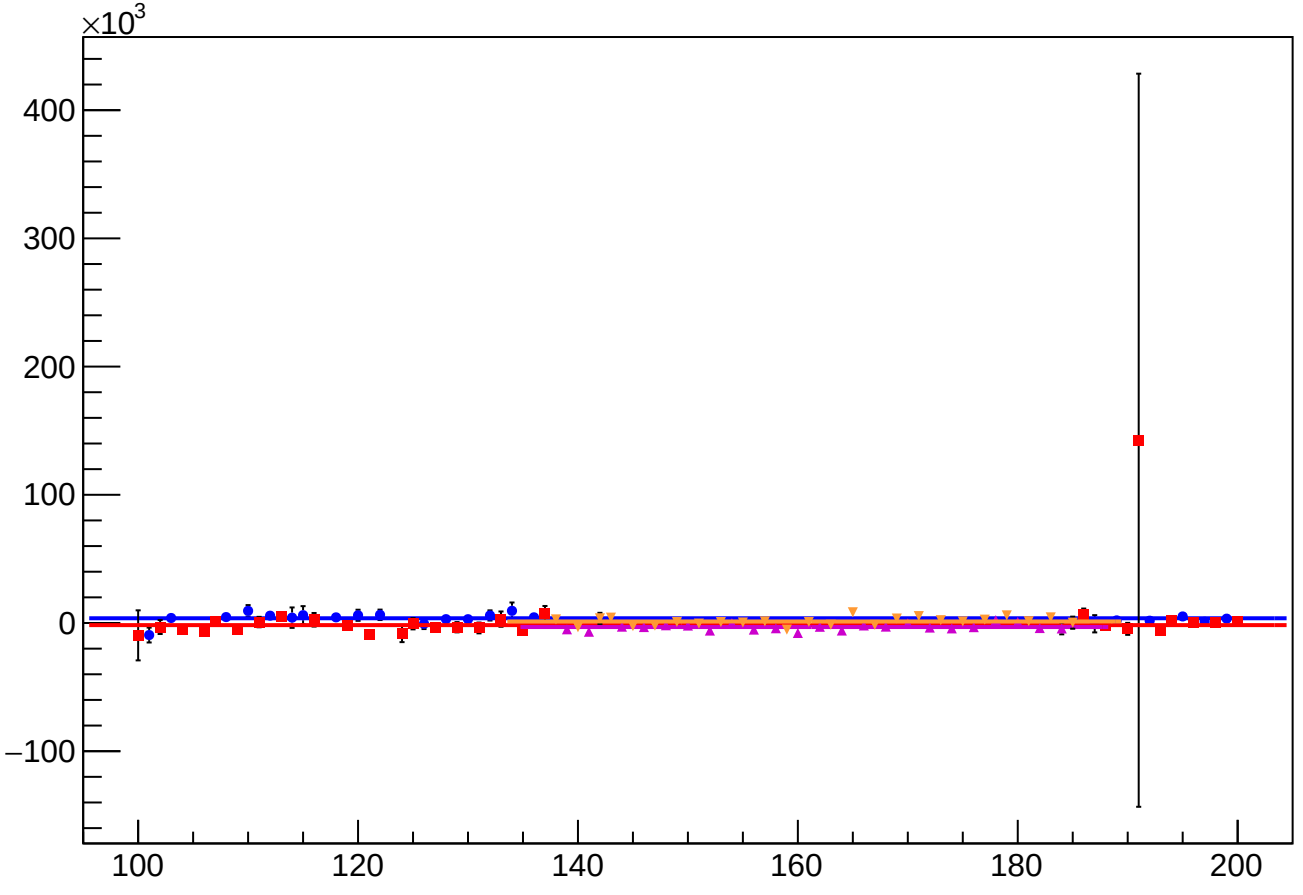
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9249.778+/-1.212 χ^2/NDF: 2886124.6/46

All: 9134.041+/-0.843 χ^2/NDF: 7298270.1/97

- sign 9025.615+/-1.173 χ^2/NDF: 4394486.1/50

eigen_dit_asym_atr2_mean vs Slug



Right In: 3692.106+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1652.291+/-749.170 χ^2/NDF: 27.4/27

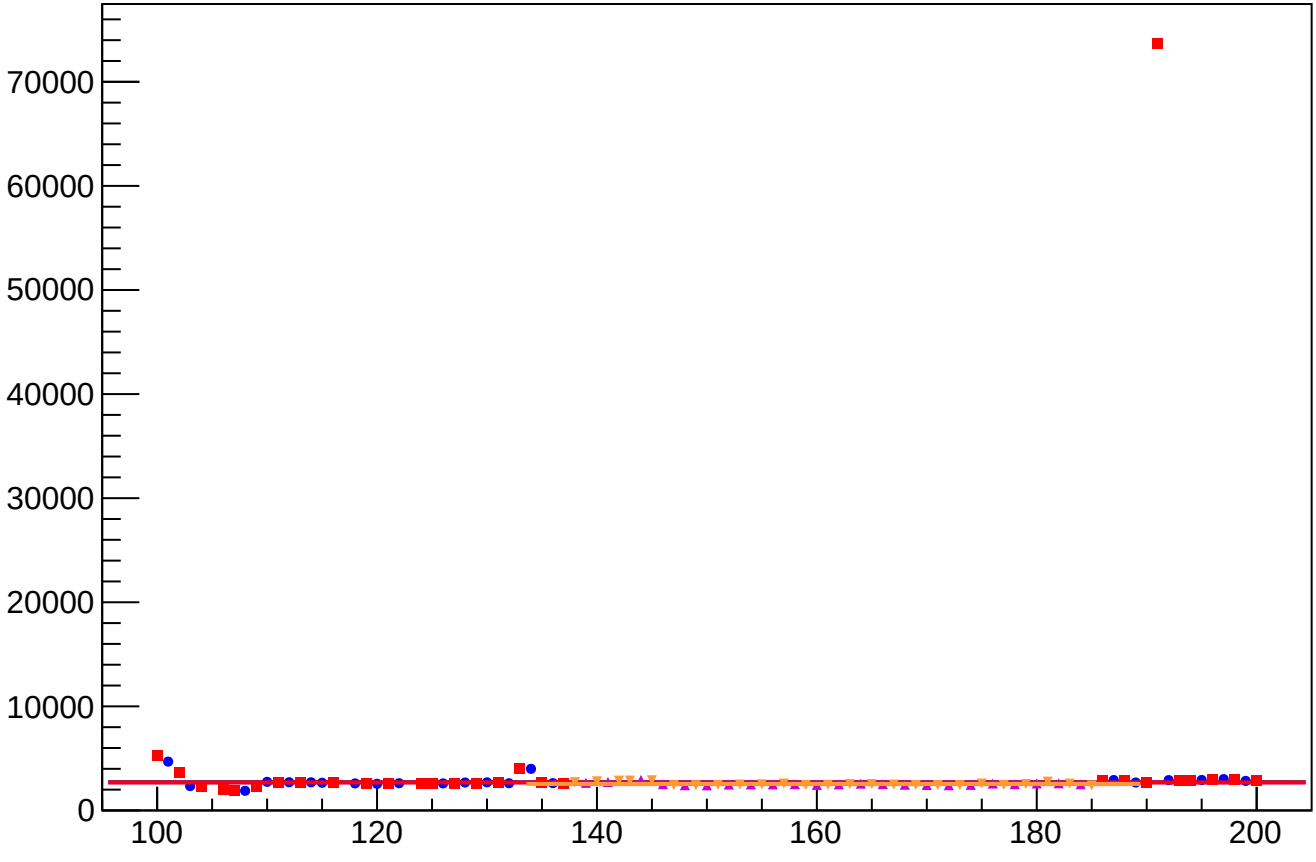
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2057.208+/-470.838 χ^2/NDF: 45.3/46

All: -289.727+/-330.684 χ^2/NDF: 140.7/97

- sign -2574.305+/-464.541 χ^2/NDF: 46.3/50

eigen_dit_asym_atr2_rms vs Slug



Right In: 2709.969+/-0.571 χ^2/NDF: 543930.4/21

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2693.345+/-0.530 χ^2/NDF: 627000.7/27

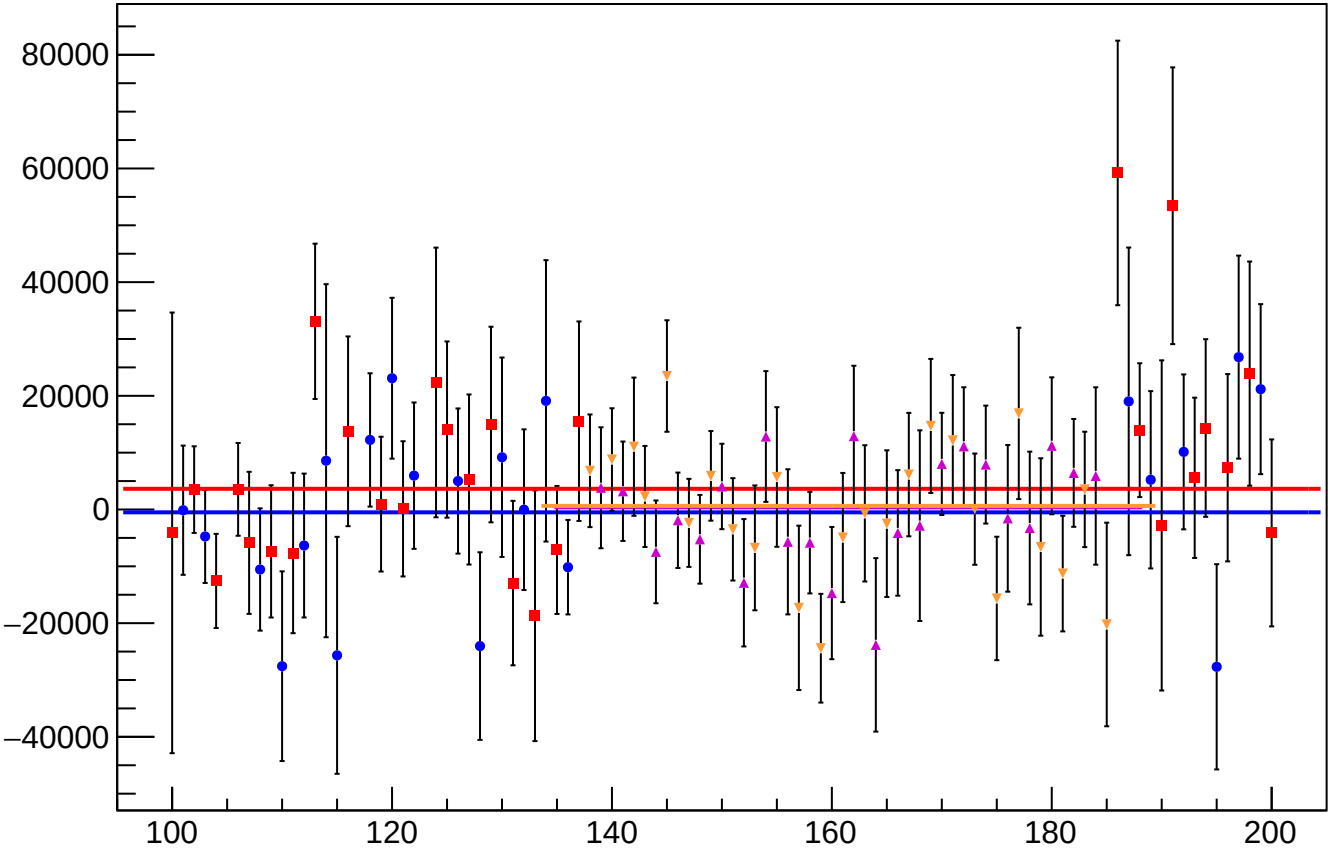
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2602.561+/-0.333 χ^2/NDF: 714916.5/46

All: 2598.495+/-0.234 χ^2/NDF: 1467227.3/97

- sign 2594.539+/-0.328 χ^2/NDF: 752016.5/50

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -501.456+/-2905.108 χ^2/NDF: 22.2/21

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3641.309+/-2563.583 χ^2/NDF: 28.9/27

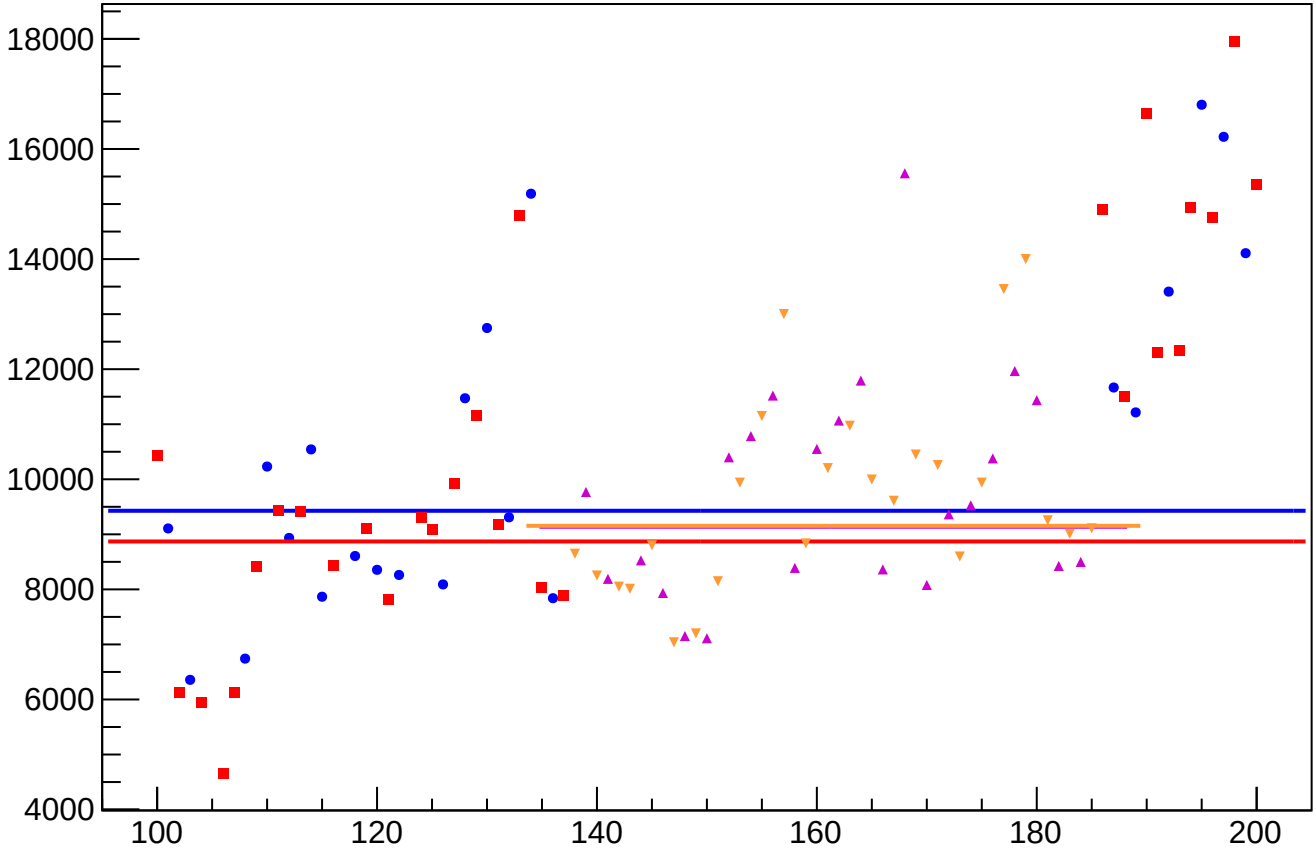
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 236.968+/-1714.136 χ^2/NDF: 49.0/46

All: 1015.465+/-1192.146 χ^2/NDF: 93.4/97

- sign 1744.781+/-1659.107 χ^2/NDF: 44.1/50

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9427.808+/-2.054 χ^2/NDF: 1802531.0/21

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8870.255+/-1.813 χ^2/NDF: 3209065.3/27

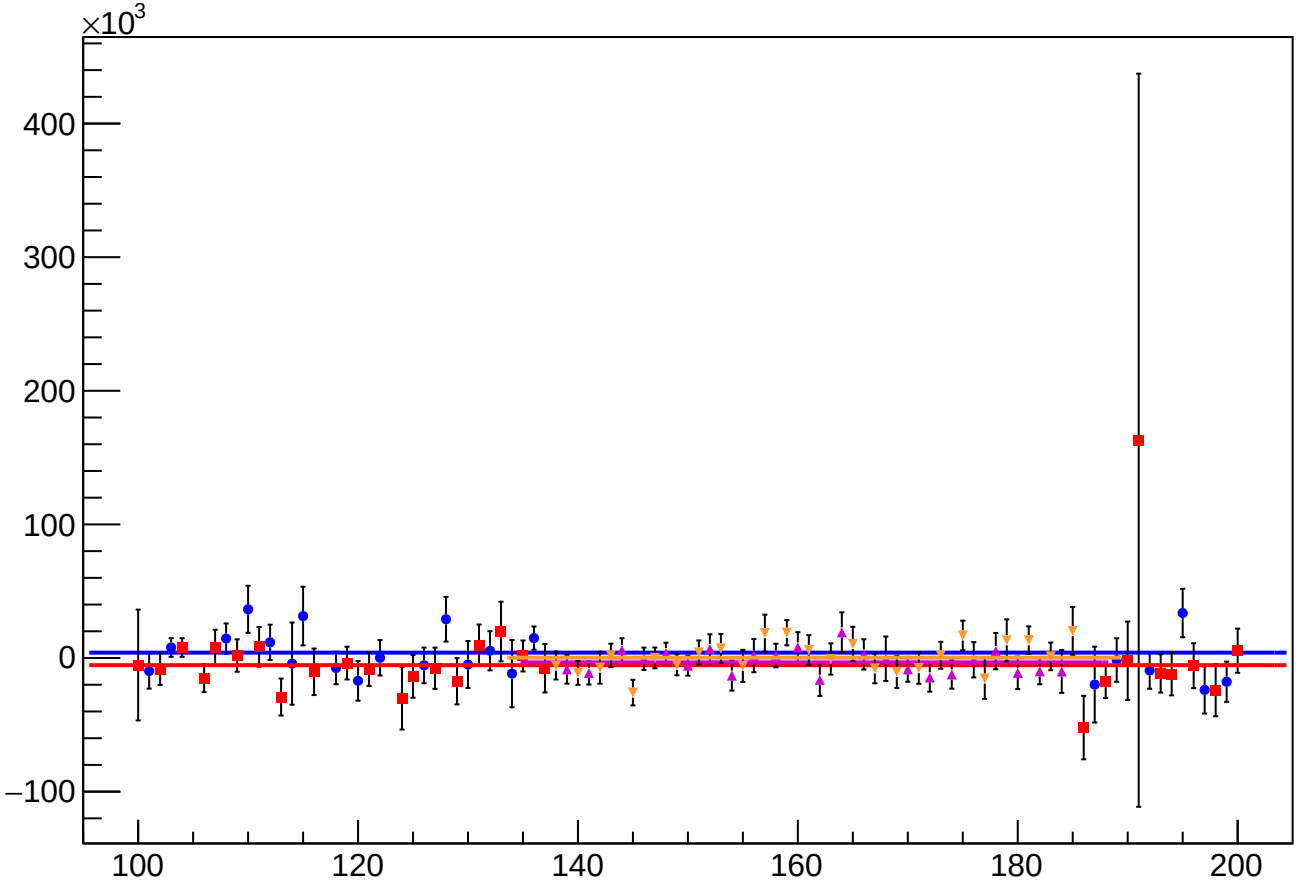
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9249.784+/-1.212 χ^2/NDF: 2886128.5/46

All: 9134.045+/-0.843 χ^2/NDF: 7298289.6/97

- sign 9025.618+/-1.173 χ^2/NDF: 4394501.2/50

asym_atr2_mean vs Slug



Right In: 4035.638+/-2932.836 χ^2/NDF: 24.6/21

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5346.259+/-2725.636 χ^2/NDF: 21.4/27

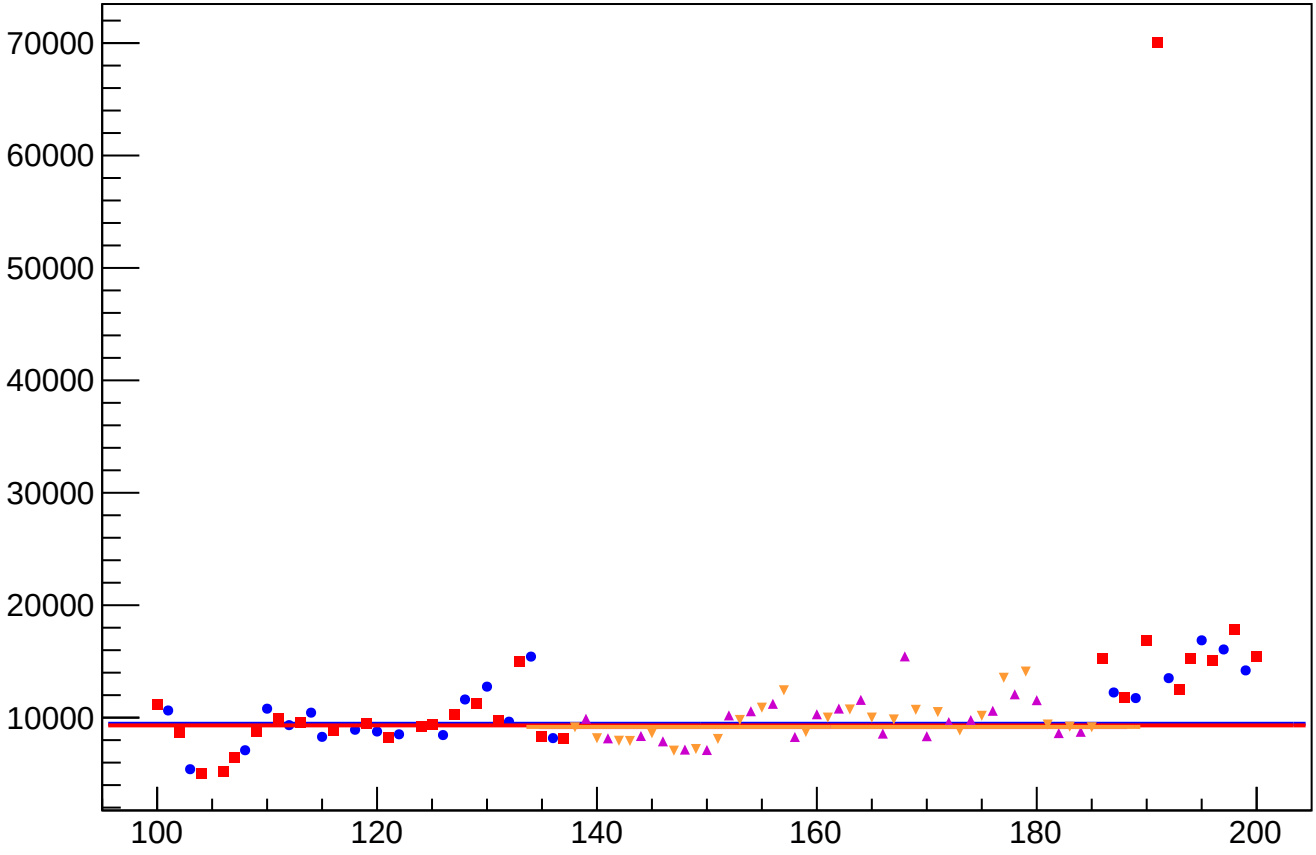
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1583.057+/-1720.990 χ^2/NDF: 52.0/46

All: -1268.036+/-1210.289 χ^2/NDF: 92.8/97

- sign -4057.787+/-1702.375 χ^2/NDF: 35.3/50

asym_atr2_rms vs Slug



Right In: 9454.667+/-2.074 χ^2/NDF: 2132286.6/21

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

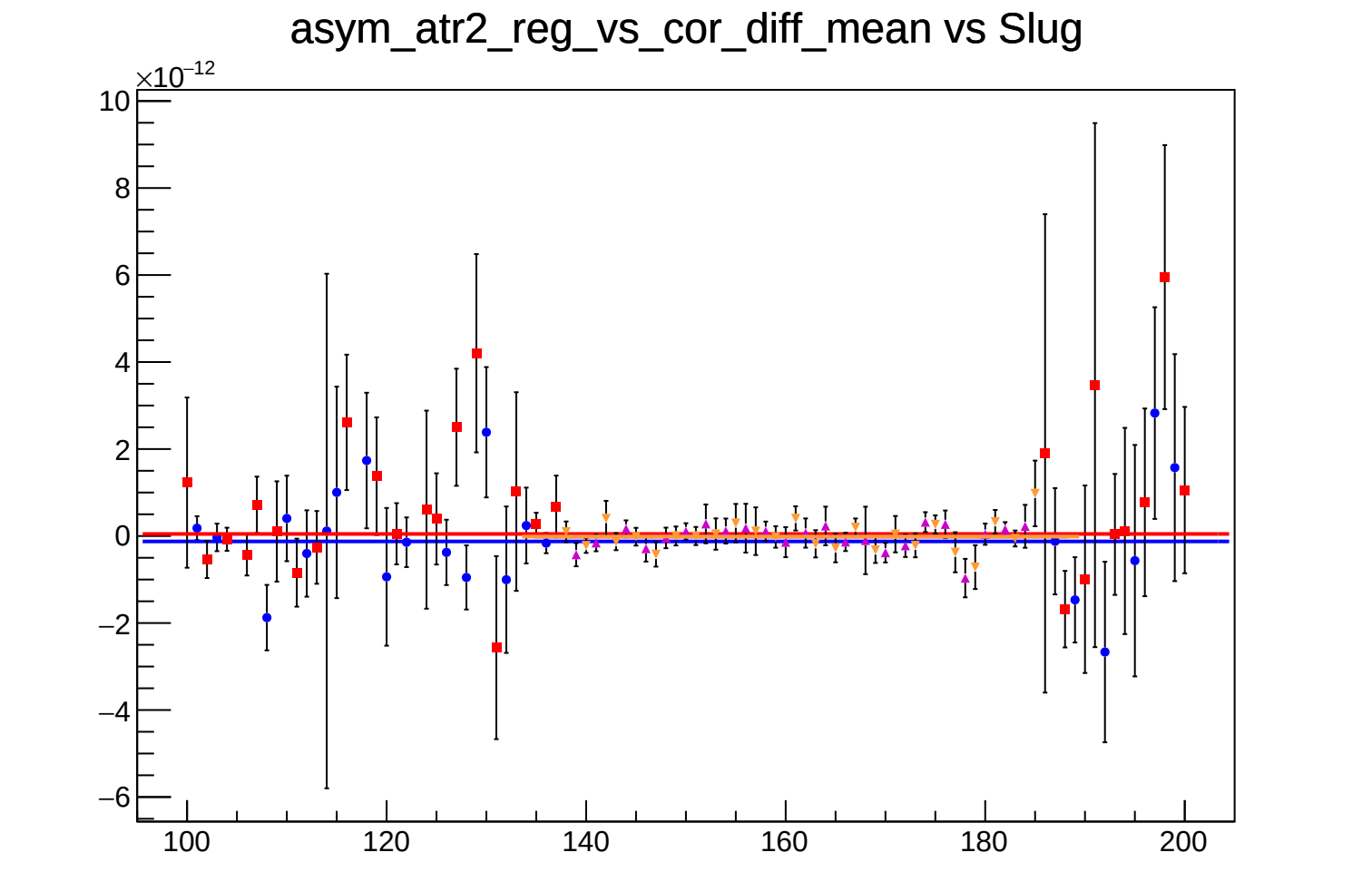
Right Out: 9311.209+/-1.927 χ^2/NDF: 3121062.7/27

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9269.874+/-1.217 χ^2/NDF: 3201343.5/46

All: 9244.856+/-0.856 χ^2/NDF: 7454417.9/97

- sign 9220.377+/-1.204 χ^2/NDF: 4252238.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

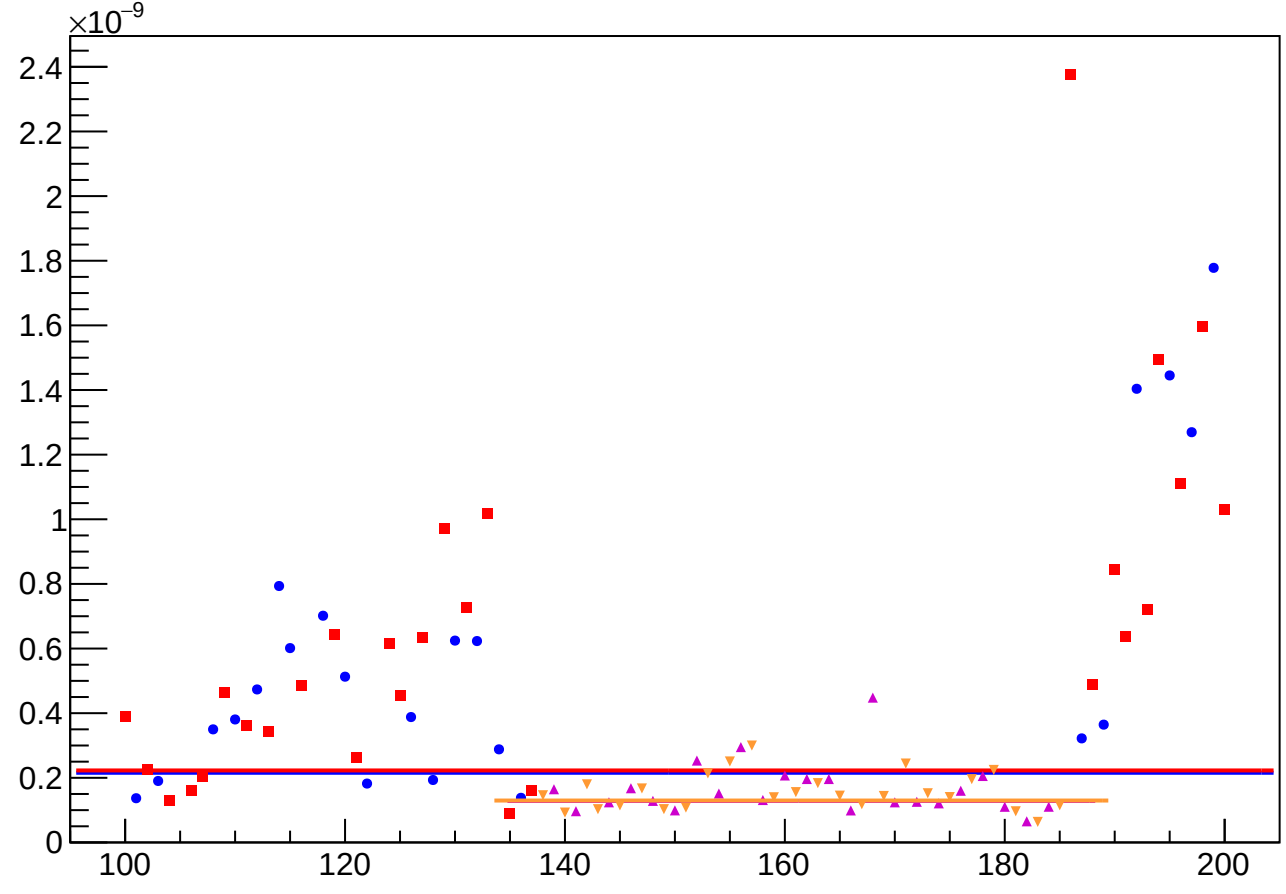
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/27

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/46

All: -0.000+/-0.000 χ^2/NDF: 86.8/97

- sign -0.000+/-0.000 χ^2/NDF: 47.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 3620911.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4767577.7/27

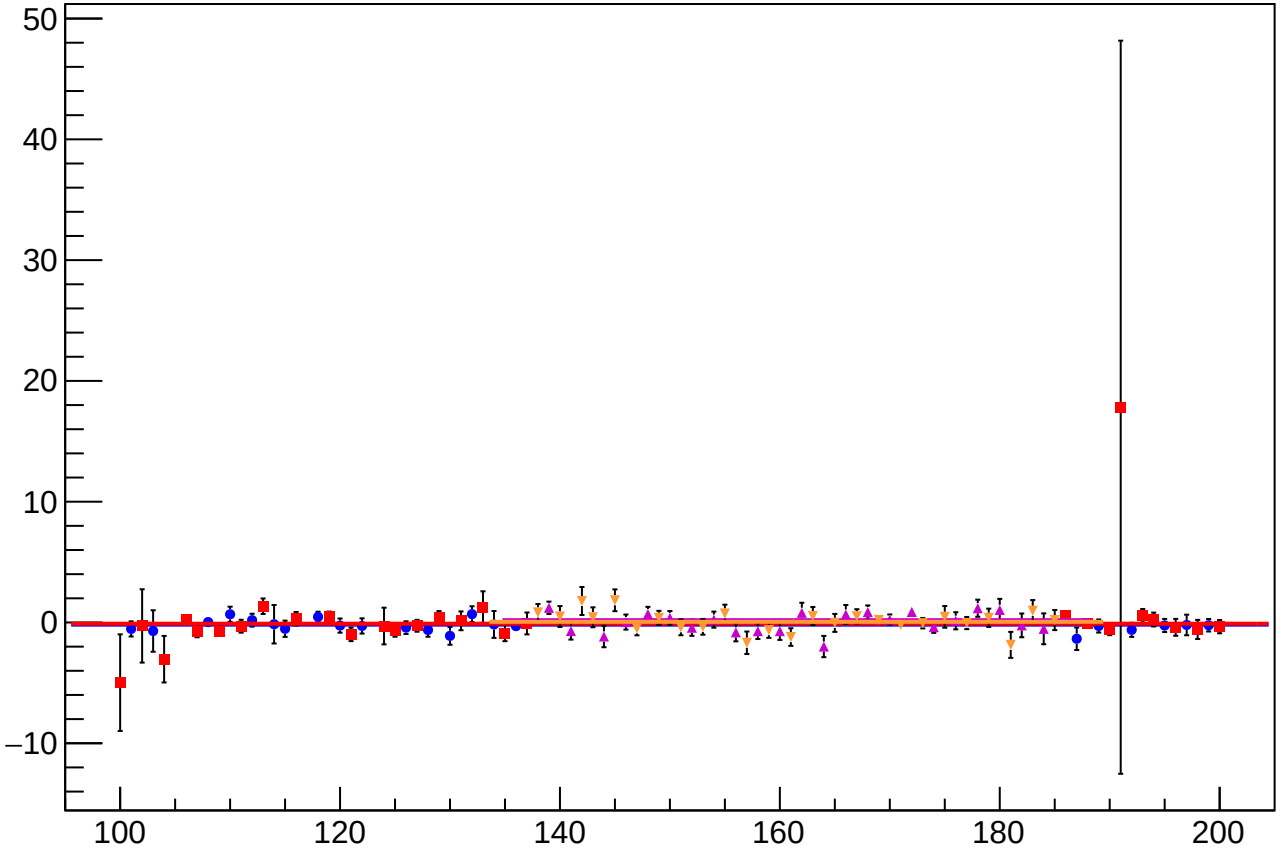
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5747713.0/46

All: 0.000+/-0.000 χ^2/NDF: 12868807.4/97

- sign 0.000+/-0.000 χ^2/NDF: 7121083.7/50

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.101+/-0.100 χ^2/NDF: 31.6/27

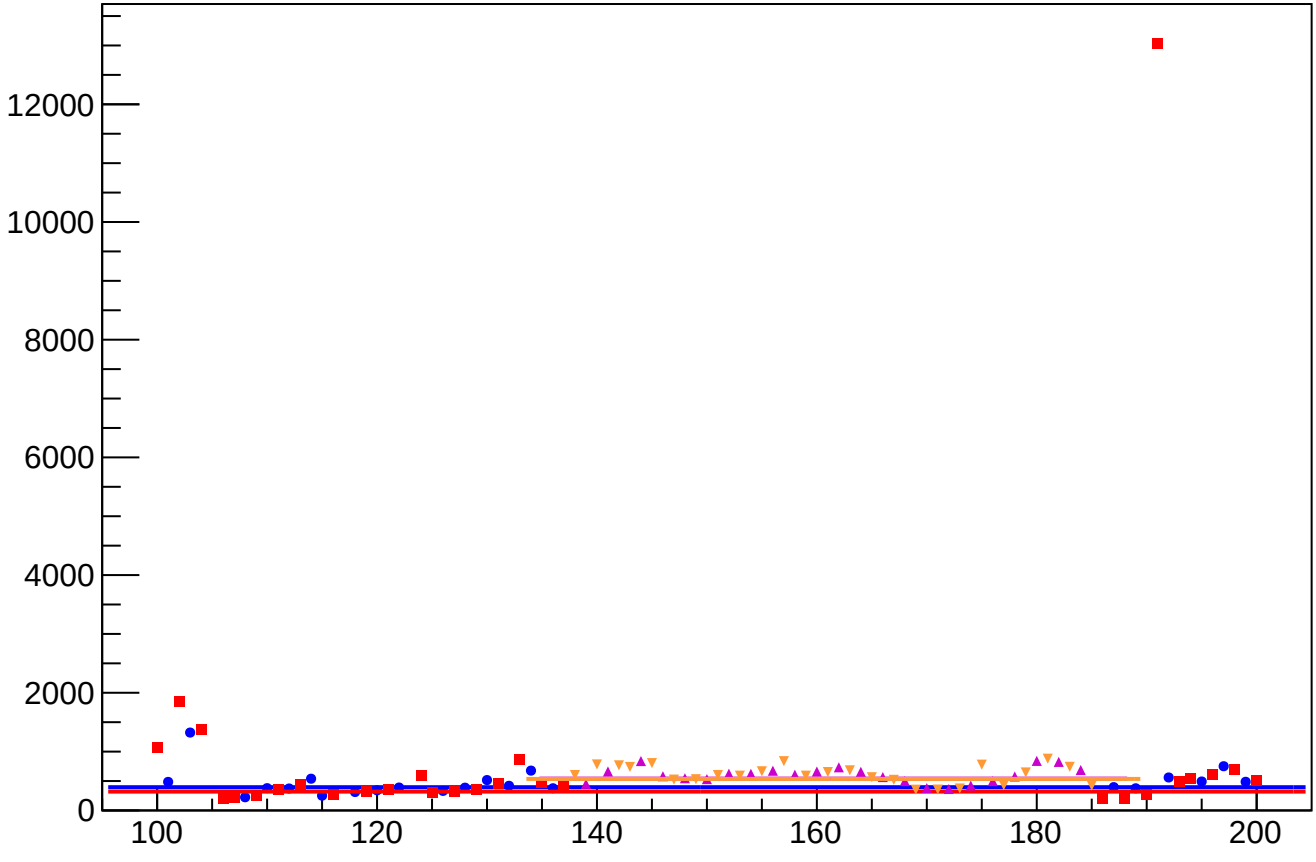
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.026+/-0.060 χ^2/NDF: 104.6/97

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

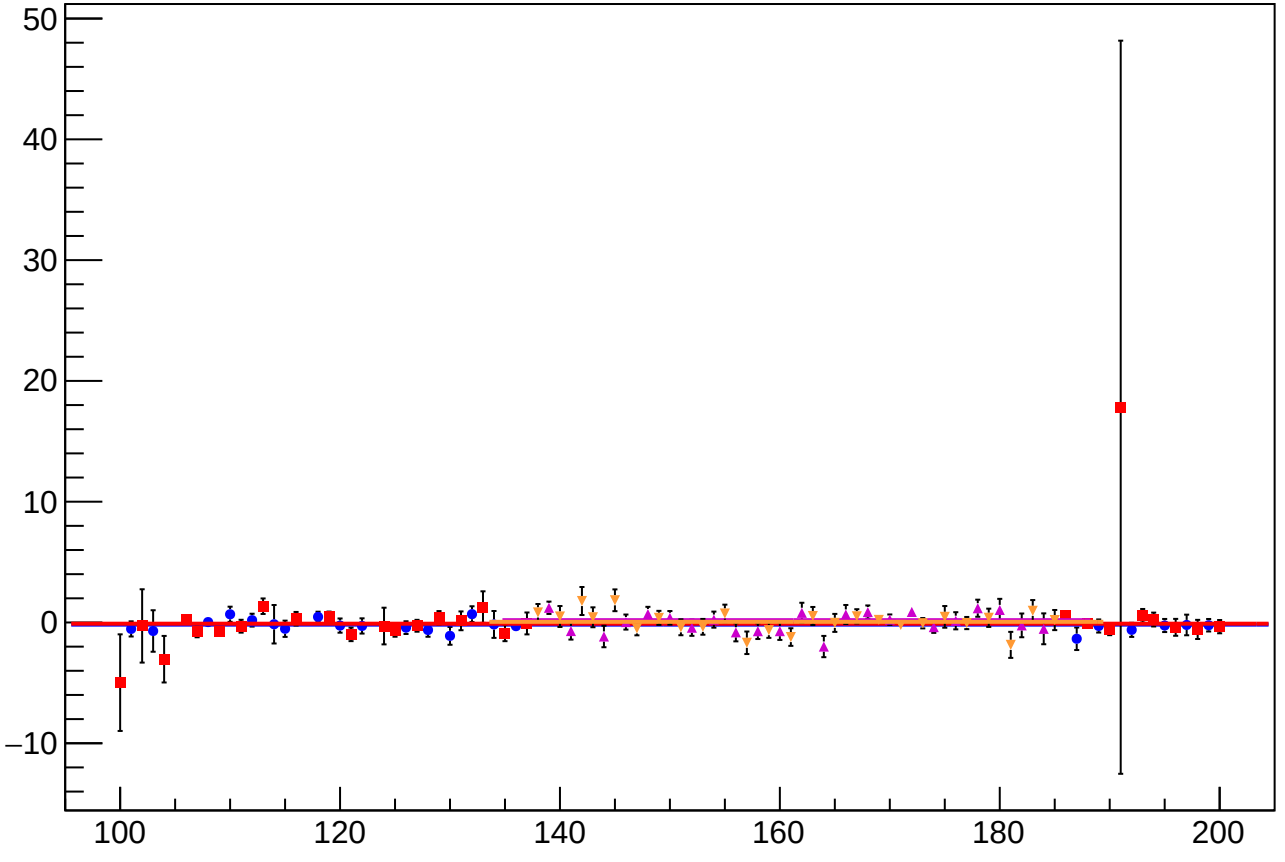
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 463.217+/-0.064 χ^2/NDF: 6090744.2/46

All: 428.058+/-0.042 χ^2/NDF: 17017221.4/97

- sign 400.210+/-0.057 χ^2/NDF: 10379815.9/50

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.101+/-0.100 χ^2/NDF: 31.6/27

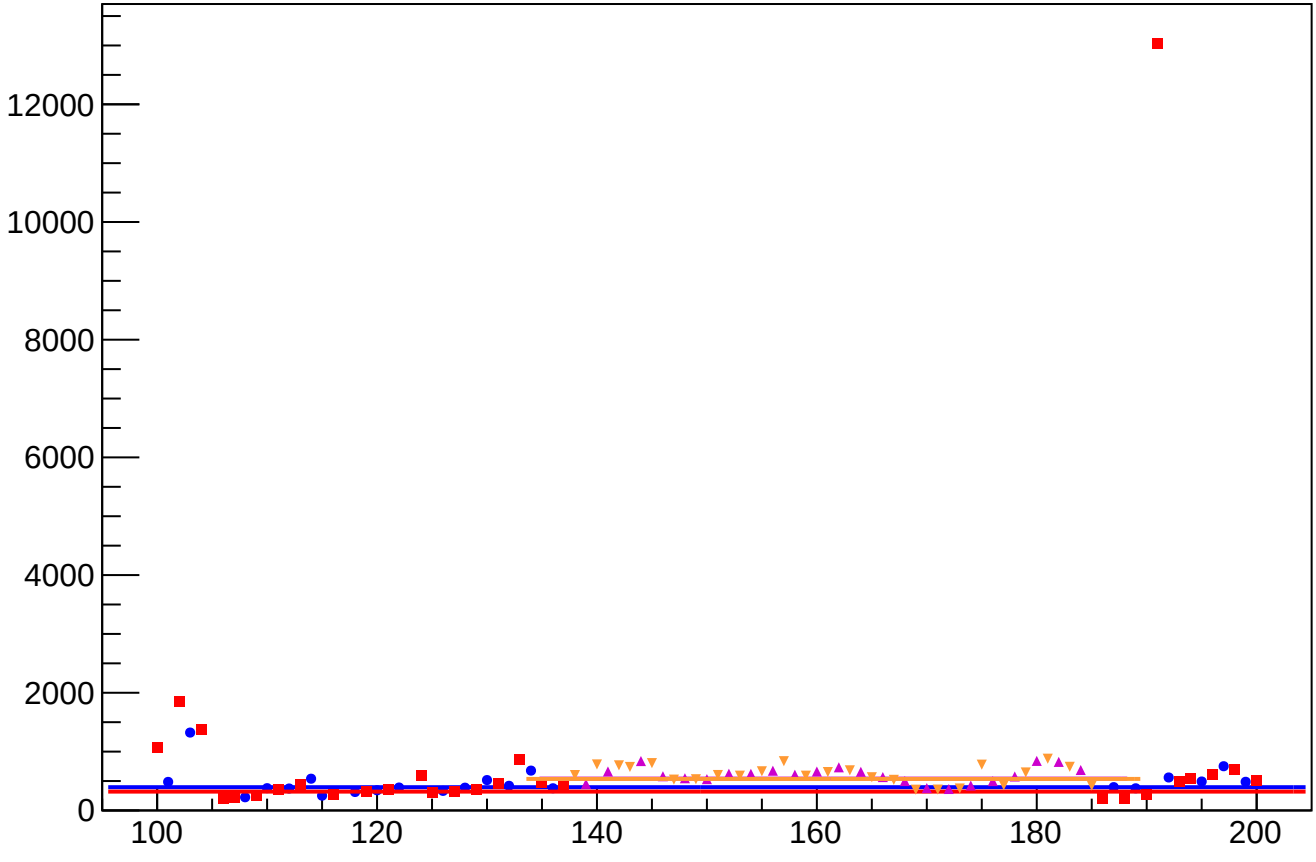
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.026+/-0.060 χ^2/NDF: 104.6/97

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

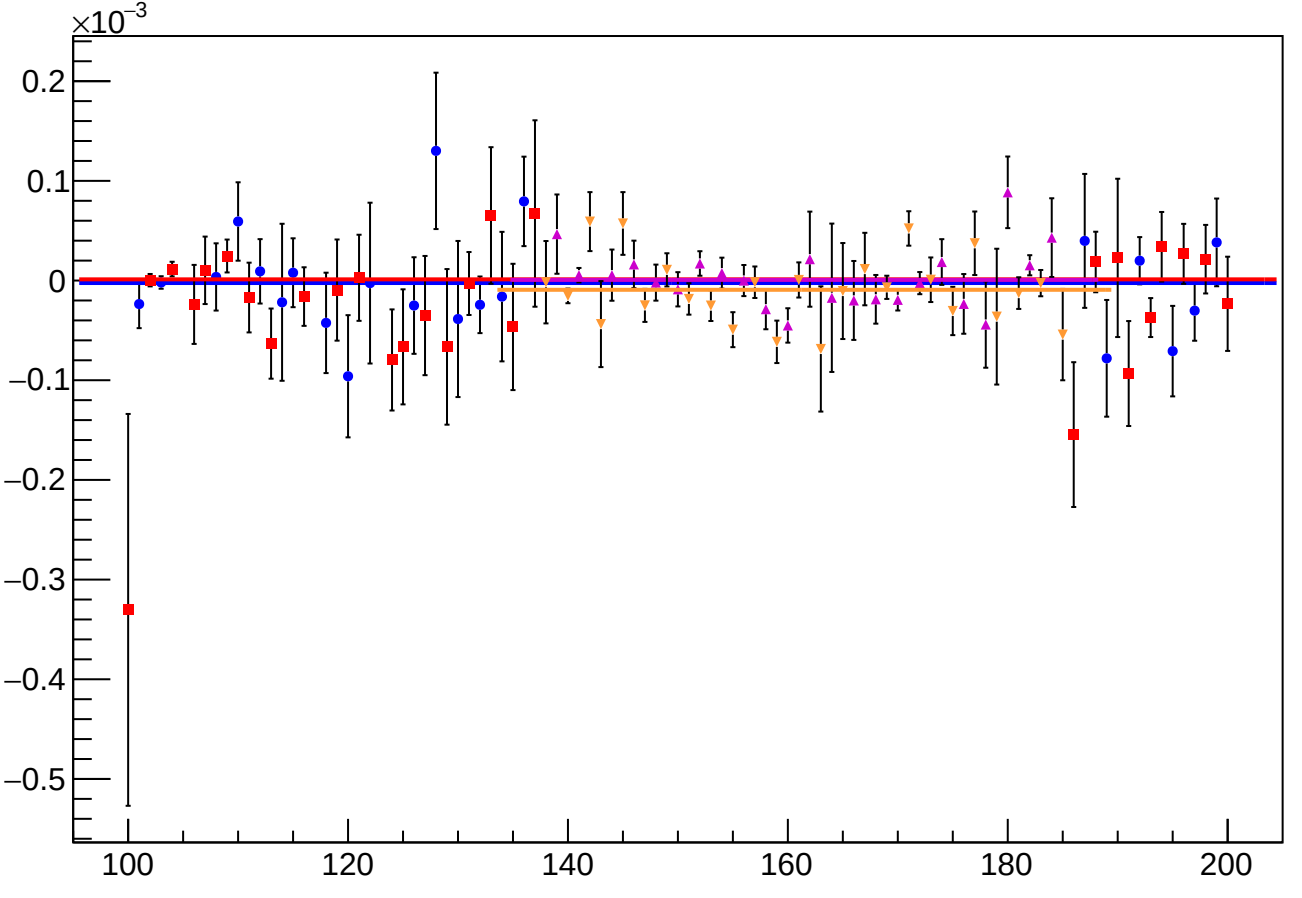
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 463.217+/-0.064 χ^2/NDF: 6090744.2/46

All: 428.058+/-0.042 χ^2/NDF: 17017221.4/97

- sign 400.210+/-0.057 χ^2/NDF: 10379815.9/50

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

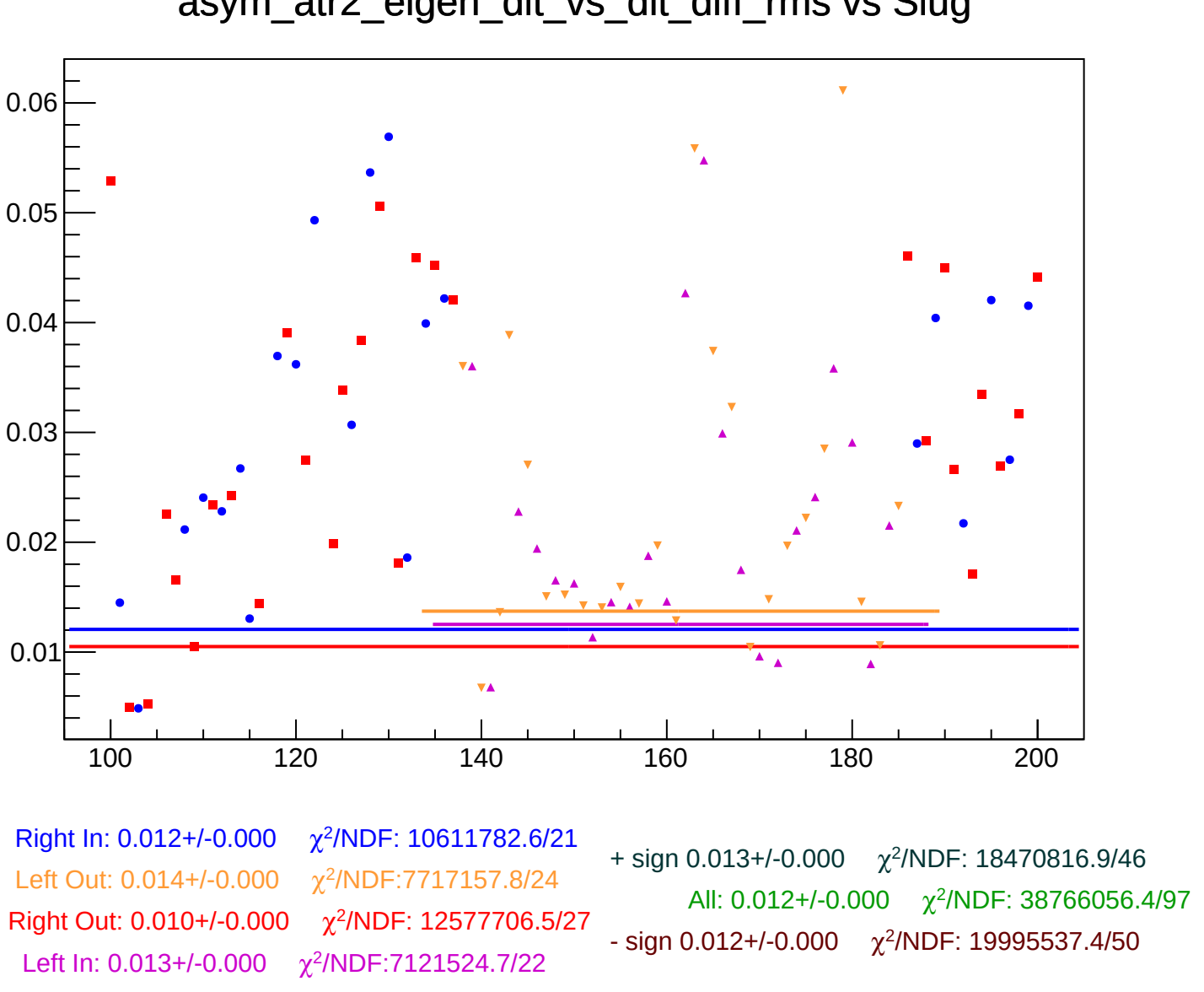
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/27

Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

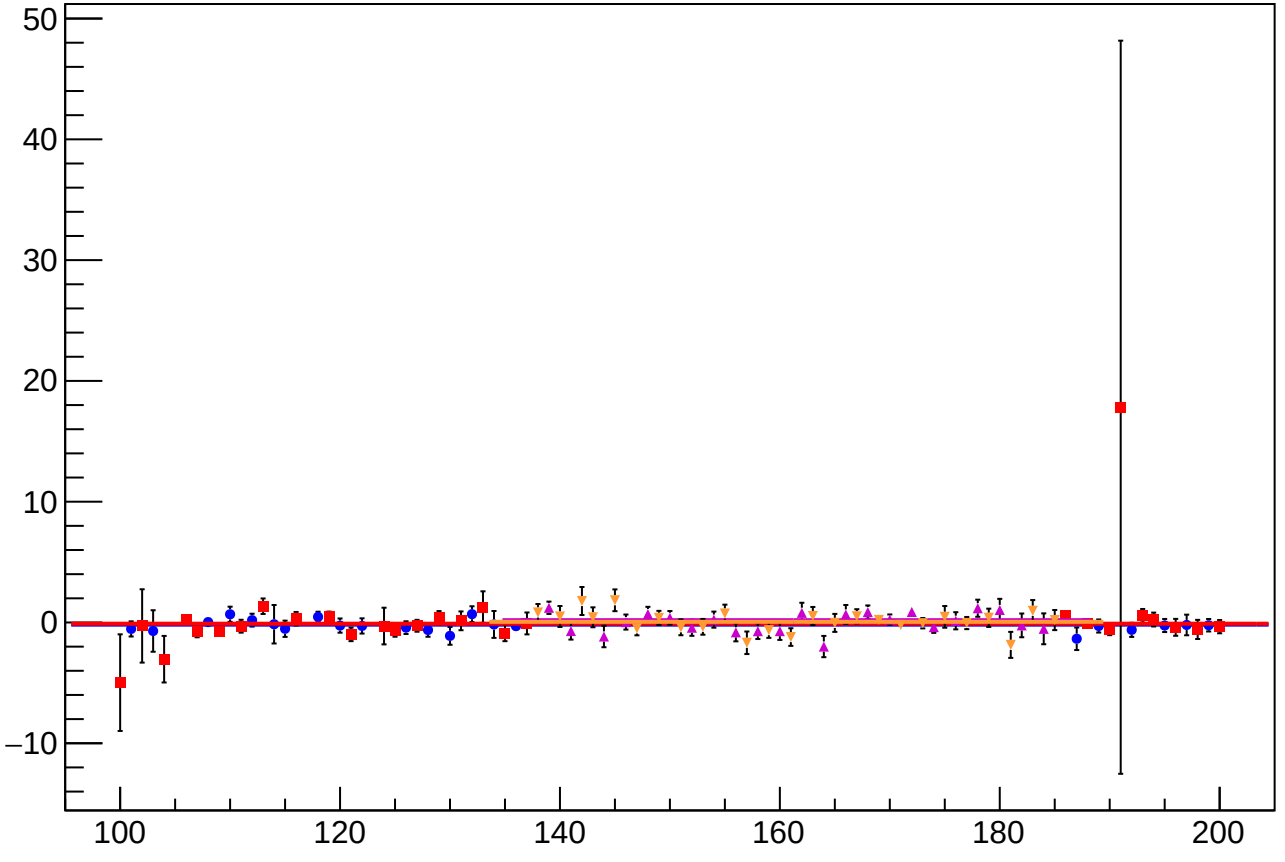
+ sign -0.000+/-0.000 χ^2/NDF: 67.0/46

All: -0.000+/-0.000 χ^2/NDF: 133.7/97

- sign 0.000+/-0.000 χ^2/NDF: 62.6/50


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
200
Right In: 0.012+/-0.000 χ²/NDF: 10611782.6/21
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.010+/-0.000 χ²/NDF: 12577706.5/27
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
+ sign 0.013+/-0.000 χ²/NDF: 18470816.9/46
All: 0.012+/-0.000 χ²/NDF: 38766056.4/97
- sign 0.012+/-0.000 χ²/NDF: 19995537.4/50

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.101+/-0.100 χ^2/NDF: 31.6/27

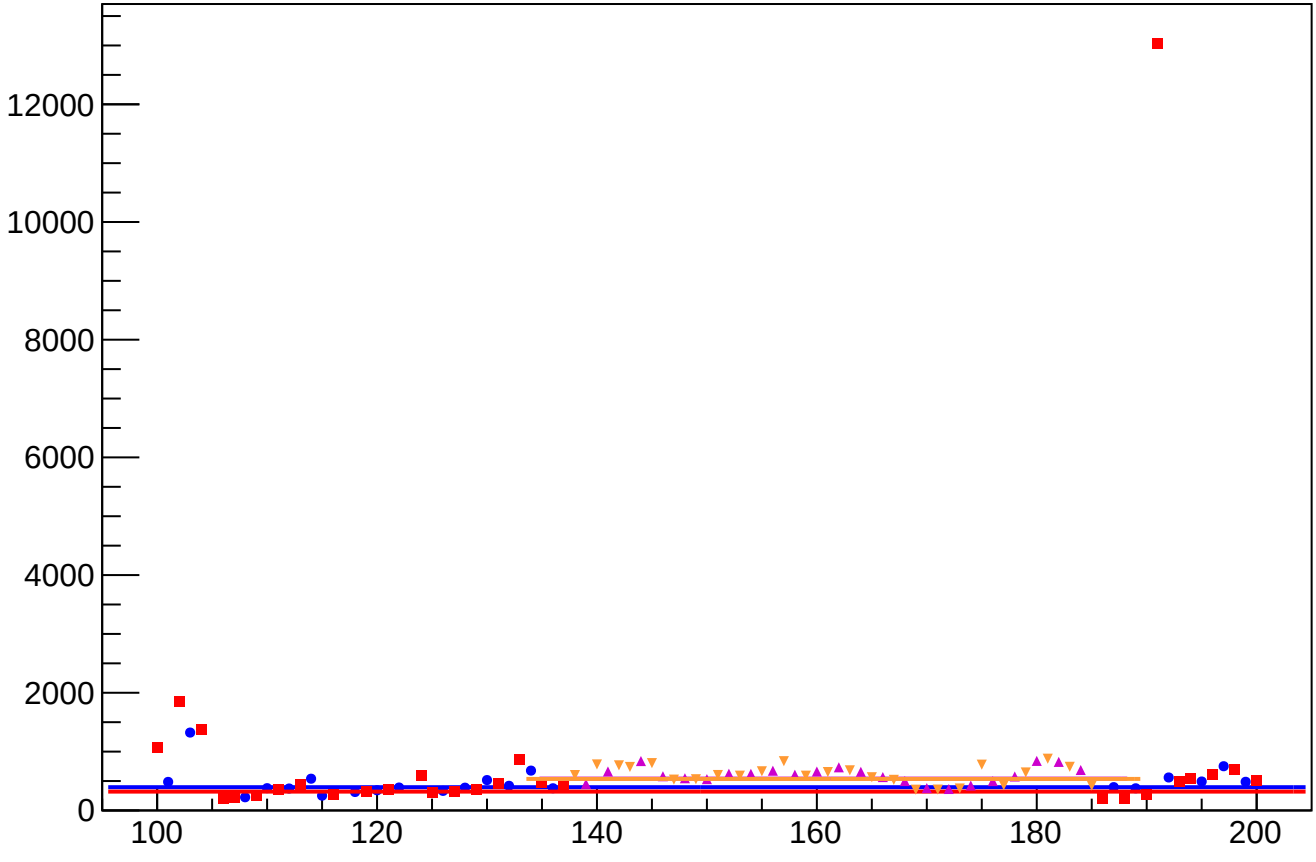
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

\+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.026+/-0.060 χ^2/NDF: 104.6/97

\- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

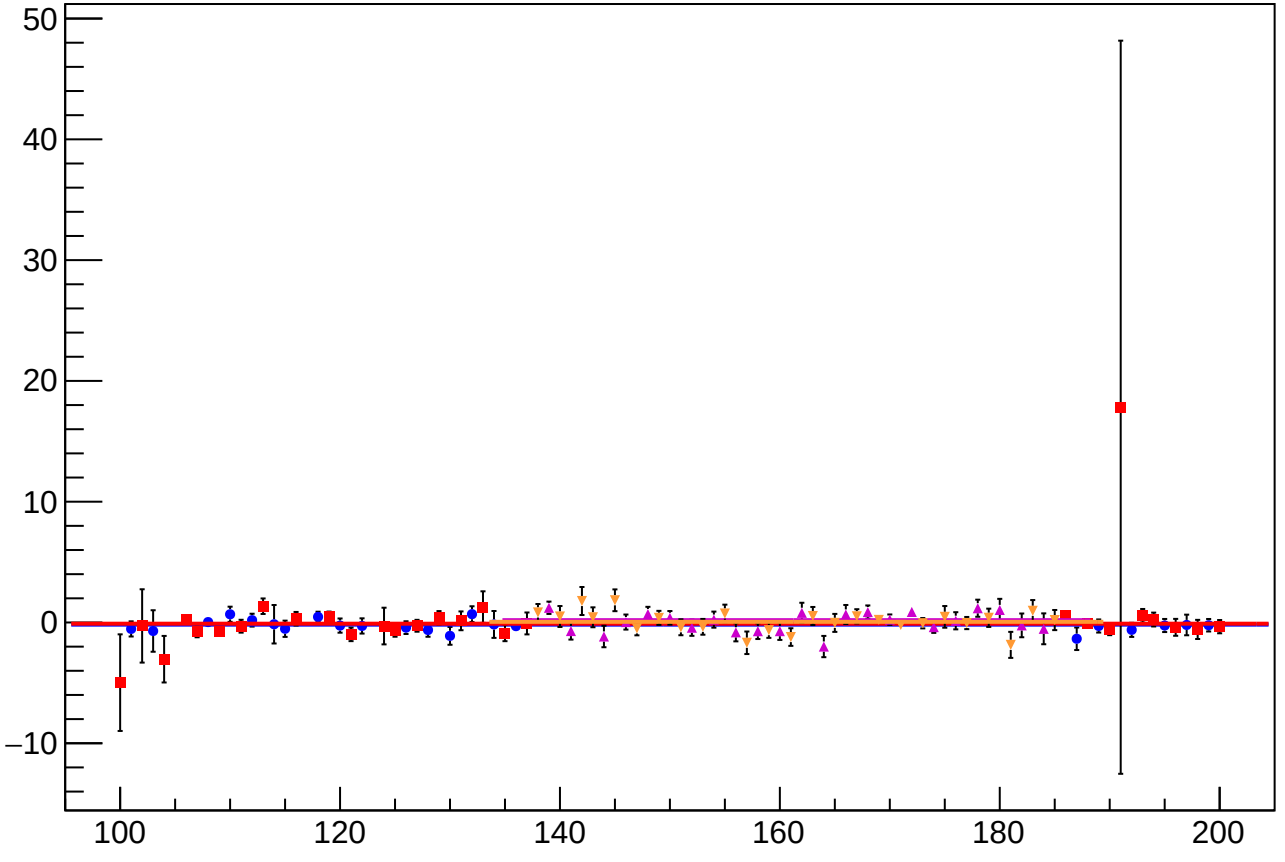
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 463.216+/-0.064 χ^2/NDF: 6090983.0/46

All: 428.058+/-0.042 χ^2/NDF: 17017553.6/97

- sign 400.211+/-0.057 χ^2/NDF: 10379939.4/50

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.101+/-0.100 χ^2/NDF: 31.6/27

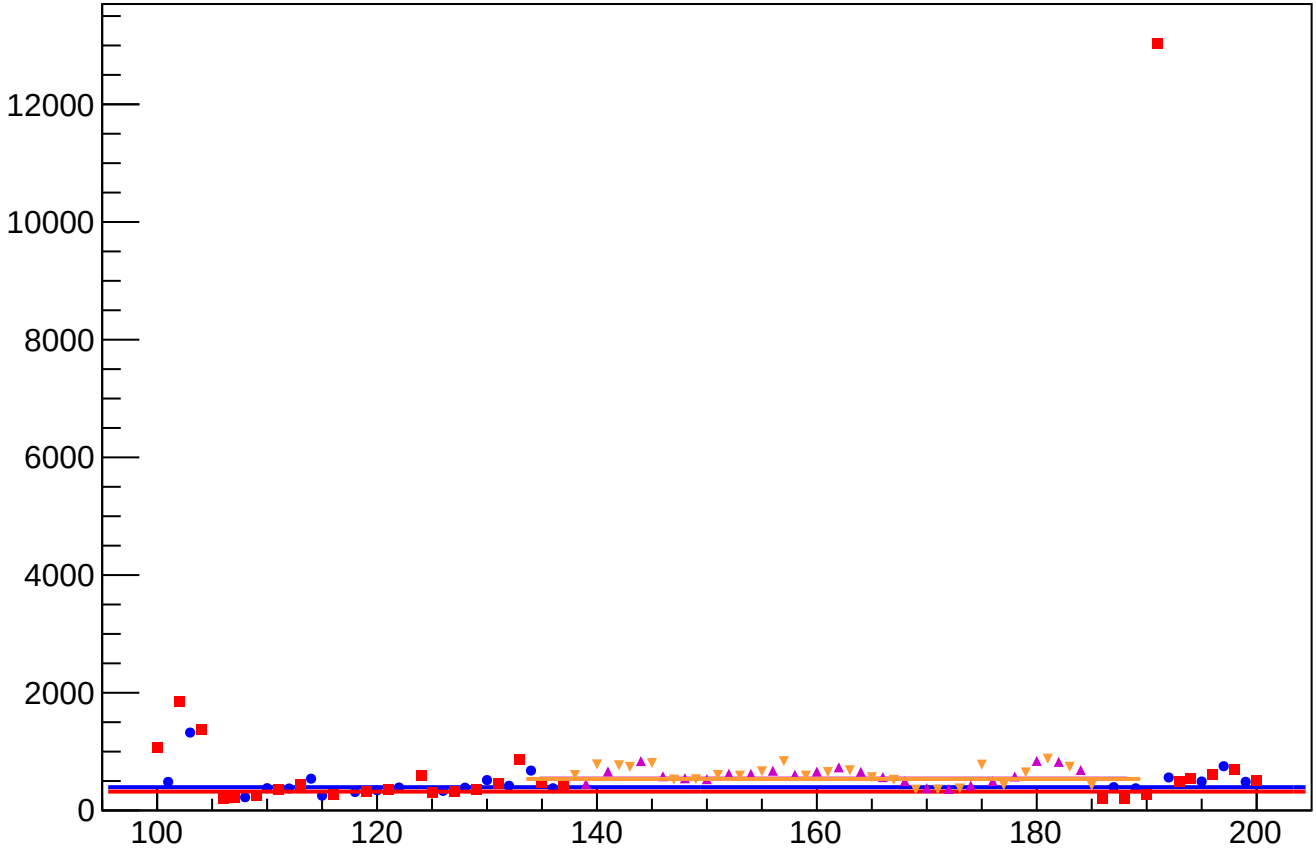
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.026+/-0.060 χ^2/NDF: 104.6/97

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

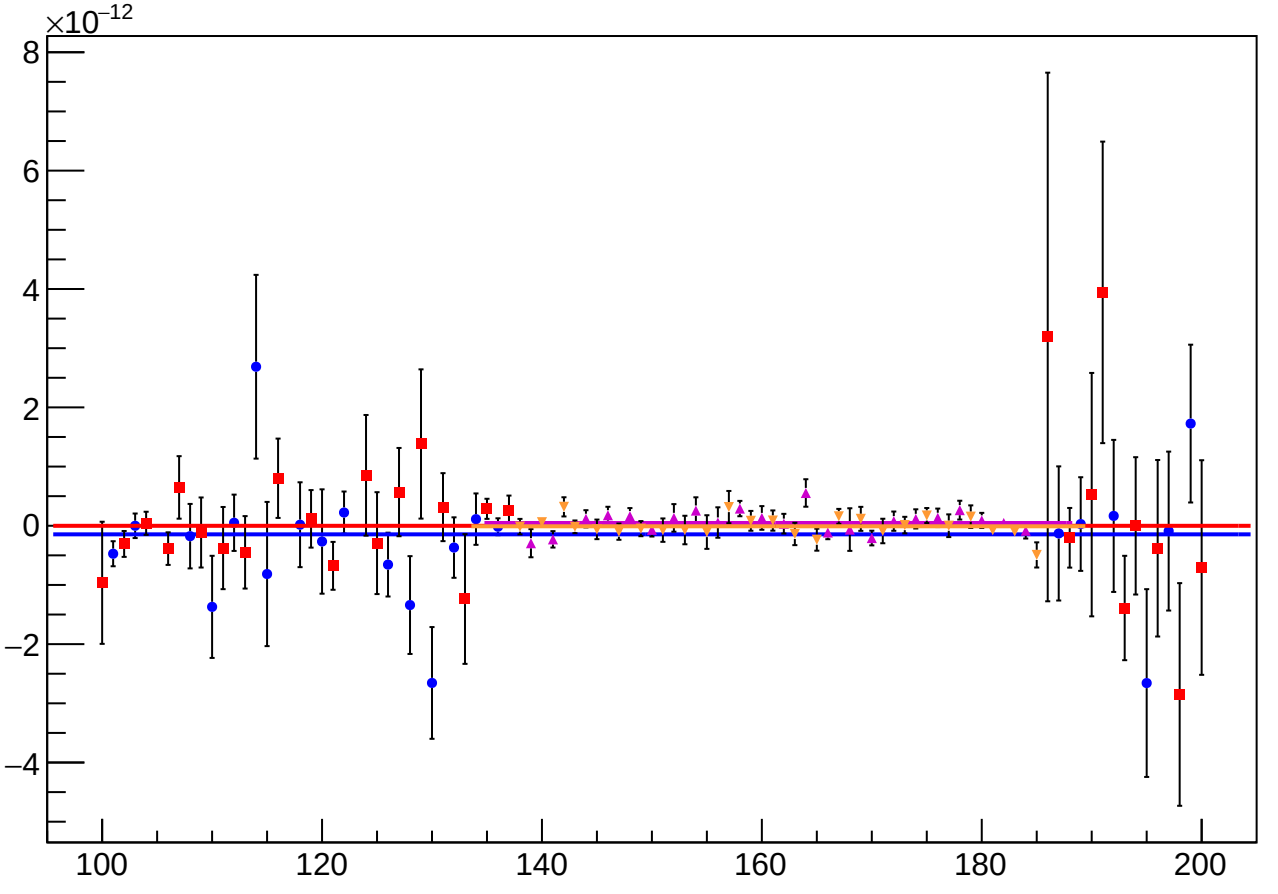
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 463.216+/-0.064 χ^2/NDF: 6090983.0/46

All: 428.058+/-0.042 χ^2/NDF: 17017553.6/97

- sign 400.211+/-0.057 χ^2/NDF: 10379939.4/50

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

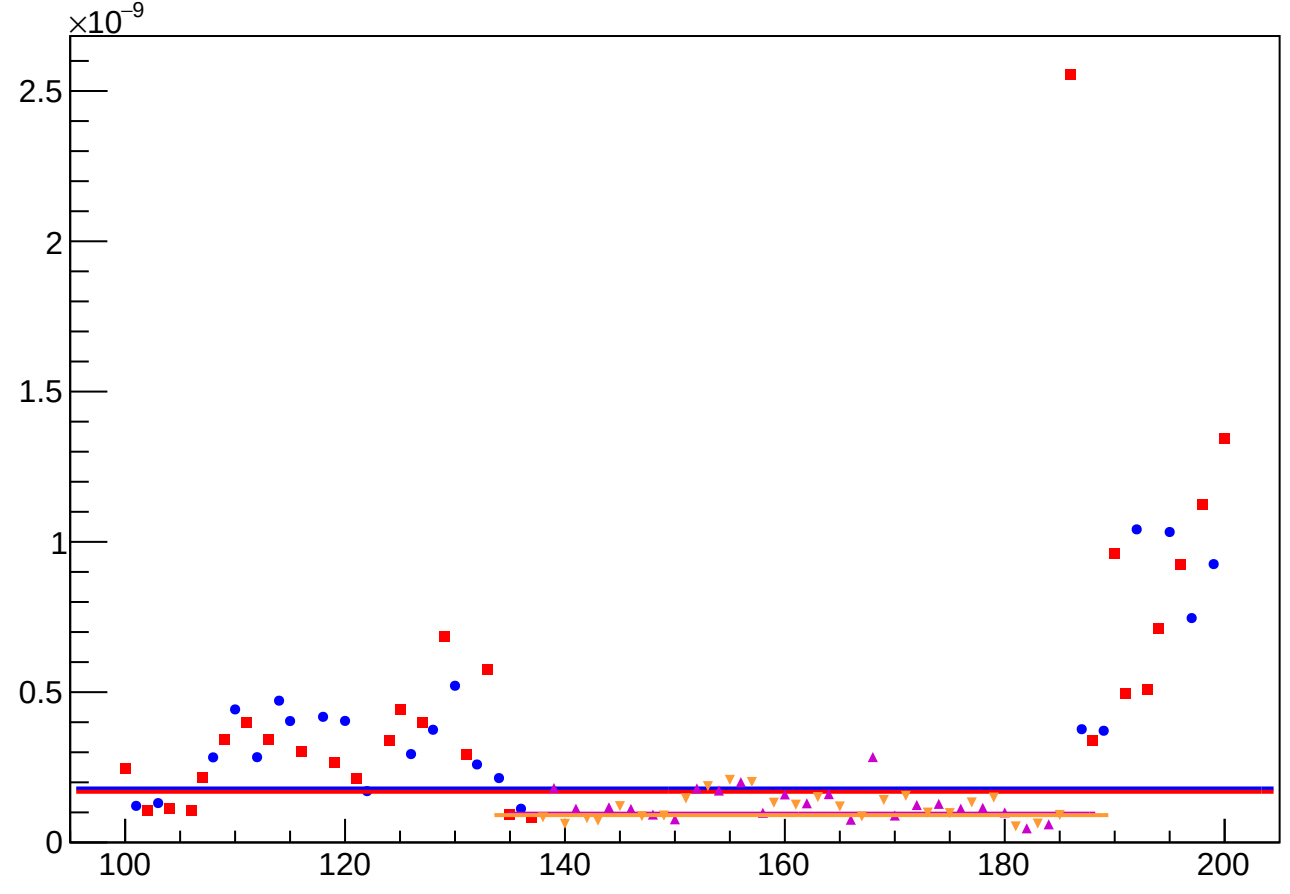
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/27

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/46

All: 0.000+/-0.000 χ^2/NDF: 109.0/97

- sign 0.000+/-0.000 χ^2/NDF: 56.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4717487.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6692770.8/27

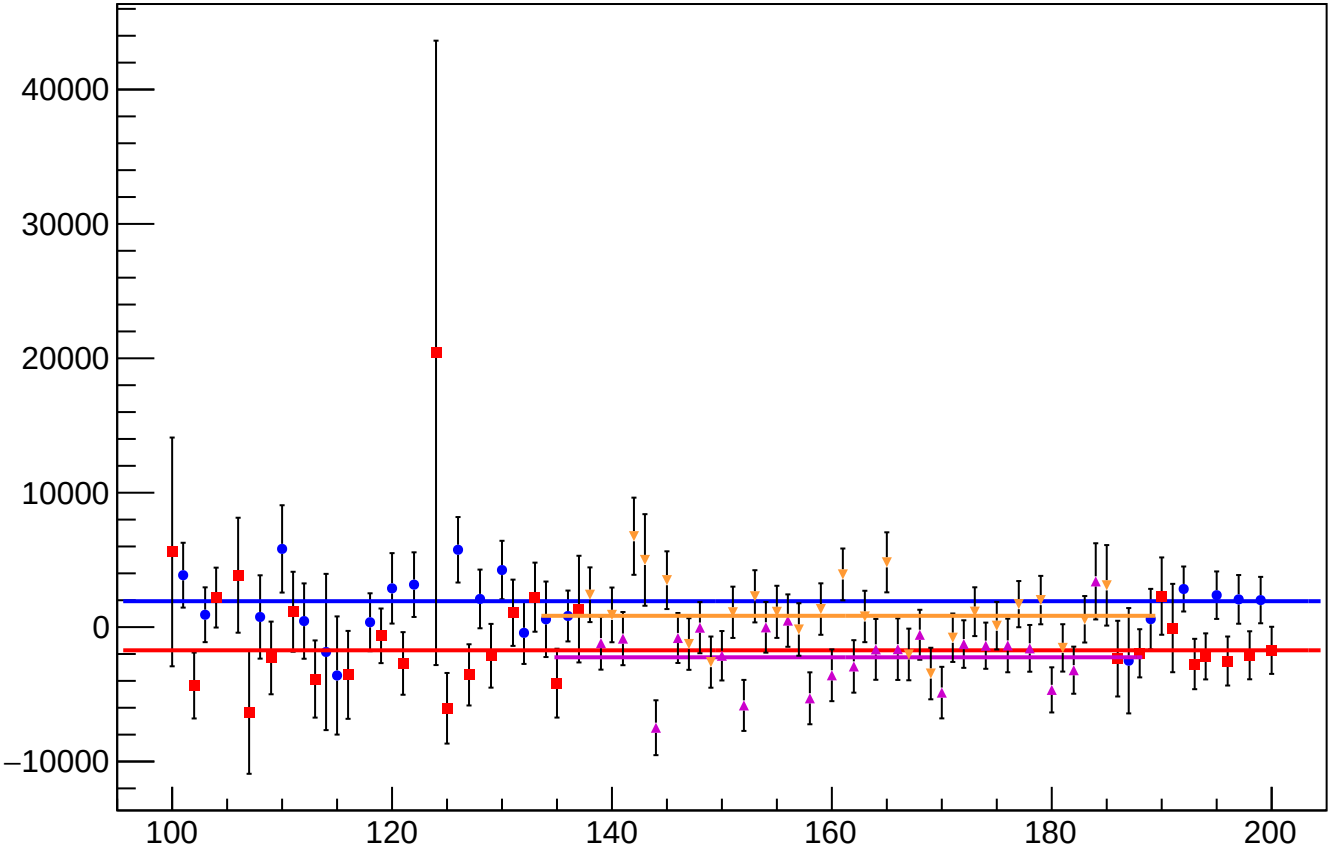
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10016057.3/46

All: 0.000+/-0.000 χ^2/NDF: 22065586.9/97

\- sign 0.000+/-0.000 χ^2/NDF: 12017791.5/50

reg_asym_atl_avg_mean vs Slug



Right In: 1928.586+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1725.379+/-464.197 χ^2/NDF: 22.3/27

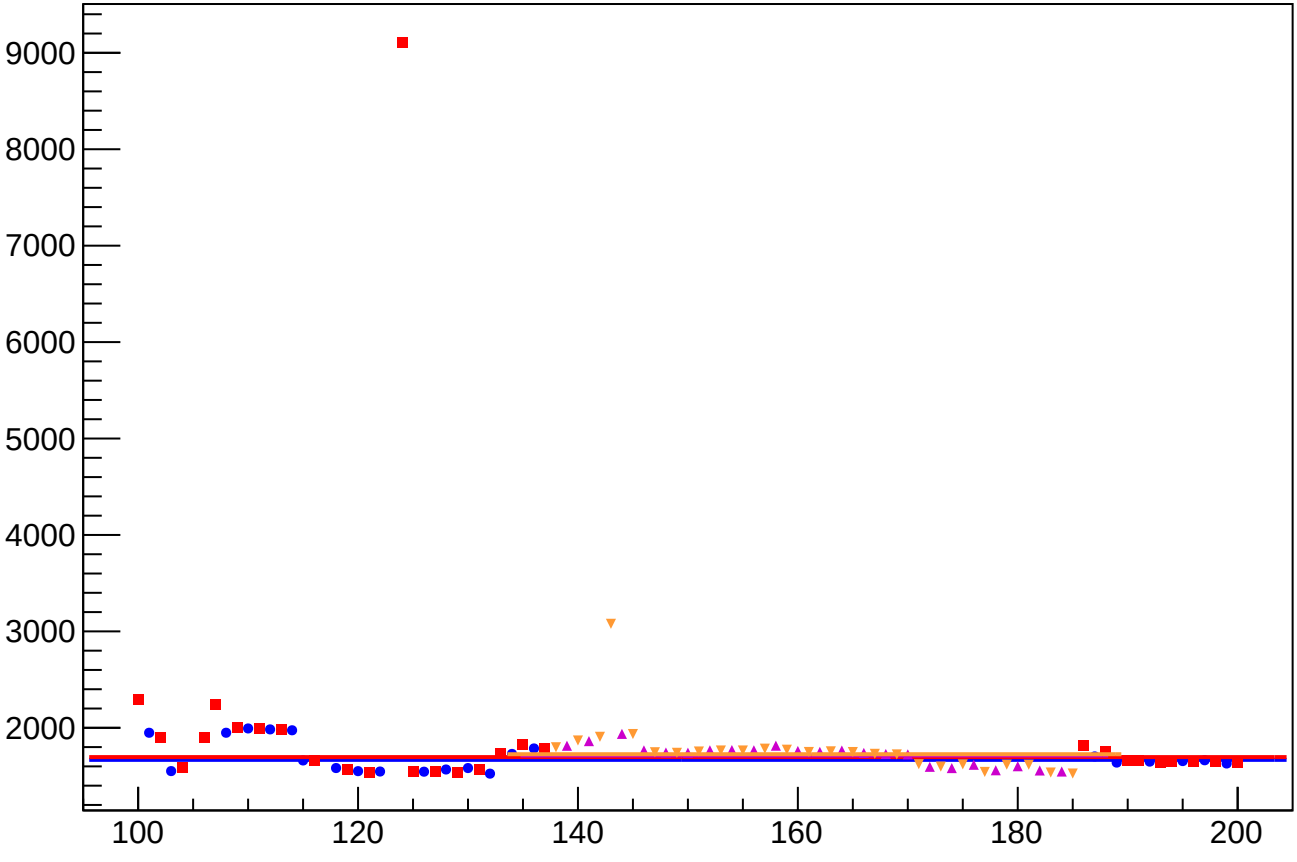
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1265.983+/-307.960 χ^2/NDF: 46.2/46

All: -403.396+/-216.111 χ^2/NDF: 156.6/97

- sign -2023.123+/-303.346 χ^2/NDF: 52.5/50

reg_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.3/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1696.204+/-0.327 χ^2/NDF: 399603.0/27

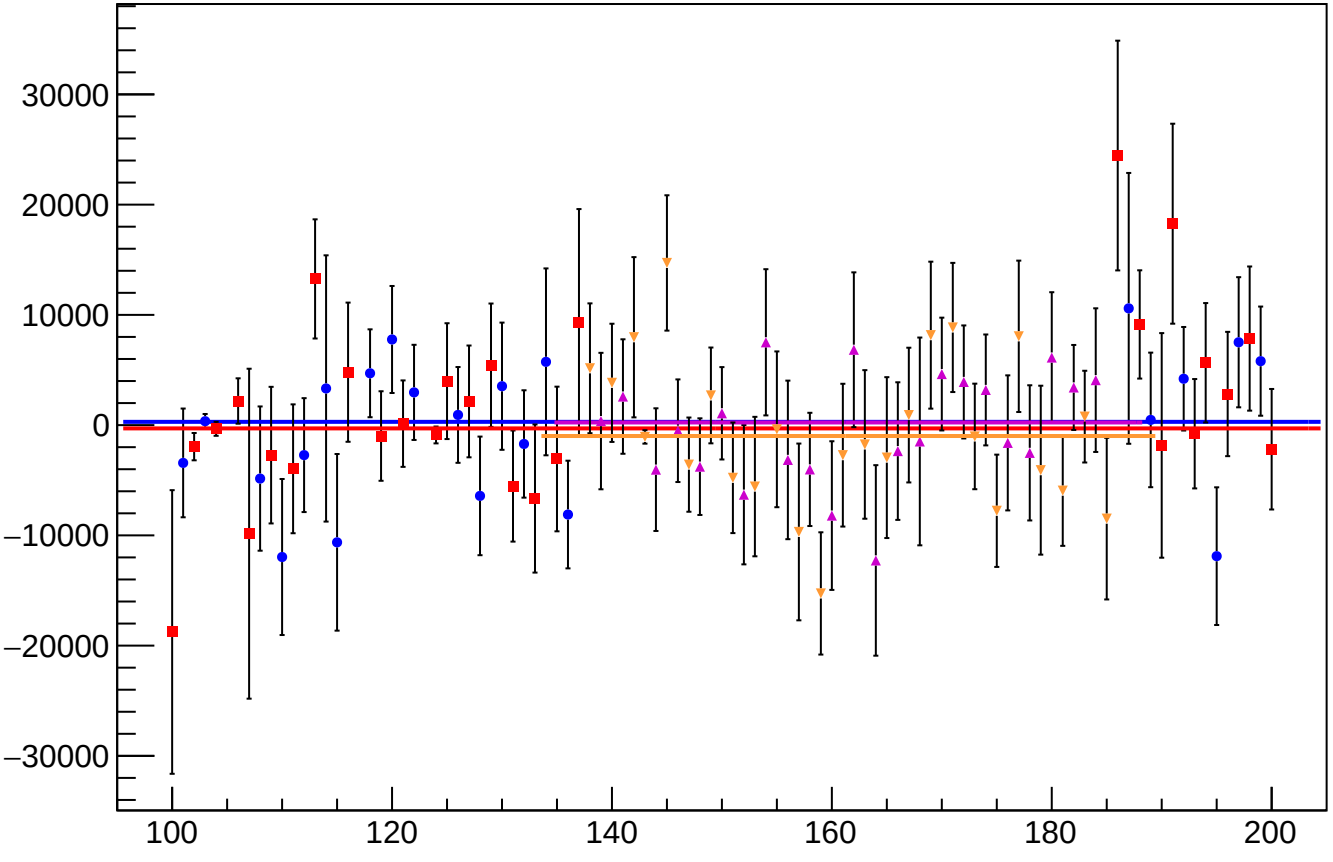
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.4/46

All: 1704.591+/-0.153 χ^2/NDF: 1146441.0/97

- sign 1705.896+/-0.214 χ^2/NDF: 530426.1/50

asym_atl_avg_reg_correction_mean vs Slug



Right In: 297.653+/-574.379 χ^2/NDF: 23.8/21

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -297.552+/-416.034 χ^2/NDF: 35.6/27

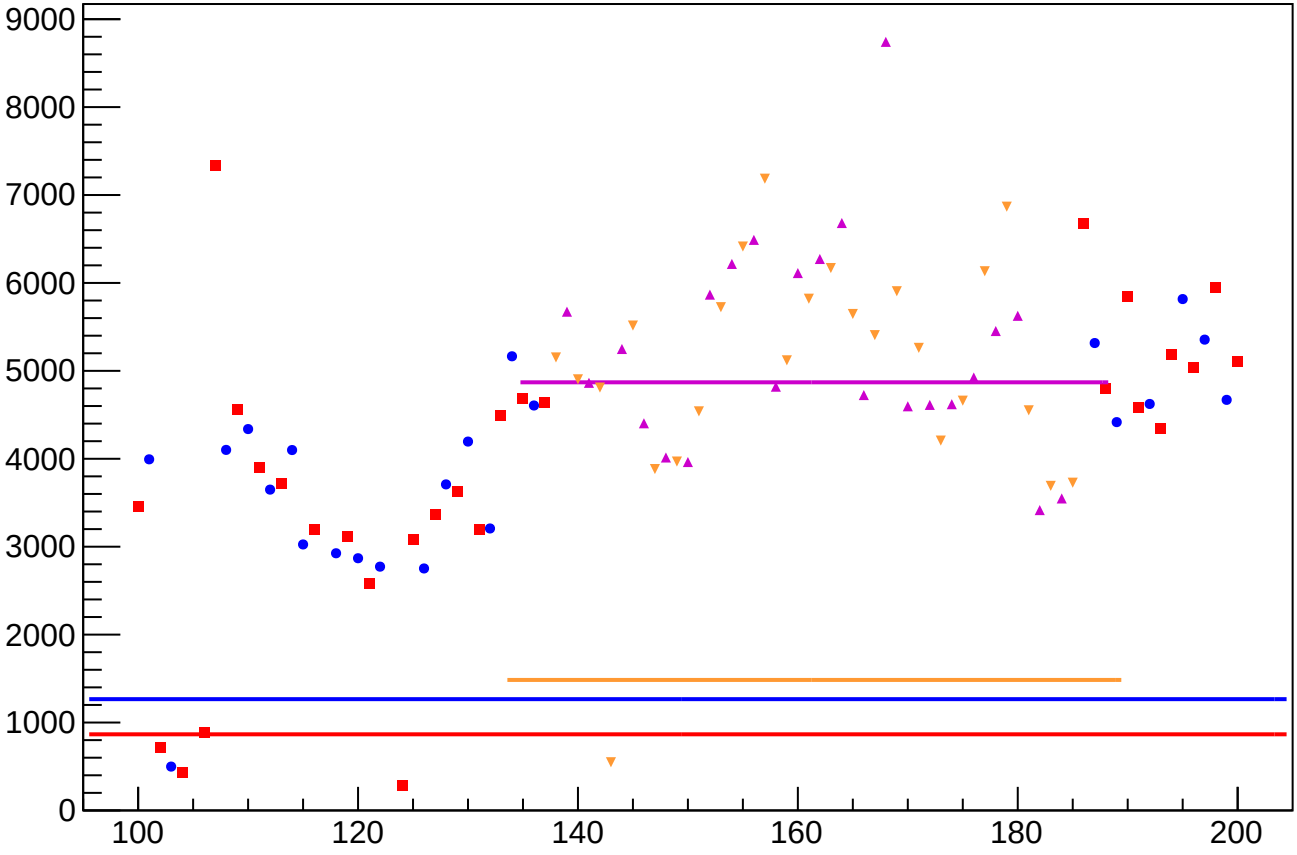
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -383.117+/-393.913 χ^2/NDF: 57.3/46

All: -309.568+/-277.789 χ^2/NDF: 106.6/97

- sign -236.804+/-391.803 χ^2/NDF: 49.3/50

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1265.939+/-0.406 χ^2/NDF: 13136191.5/21

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 866.054+/-0.294 χ^2/NDF: 17467763.4/27

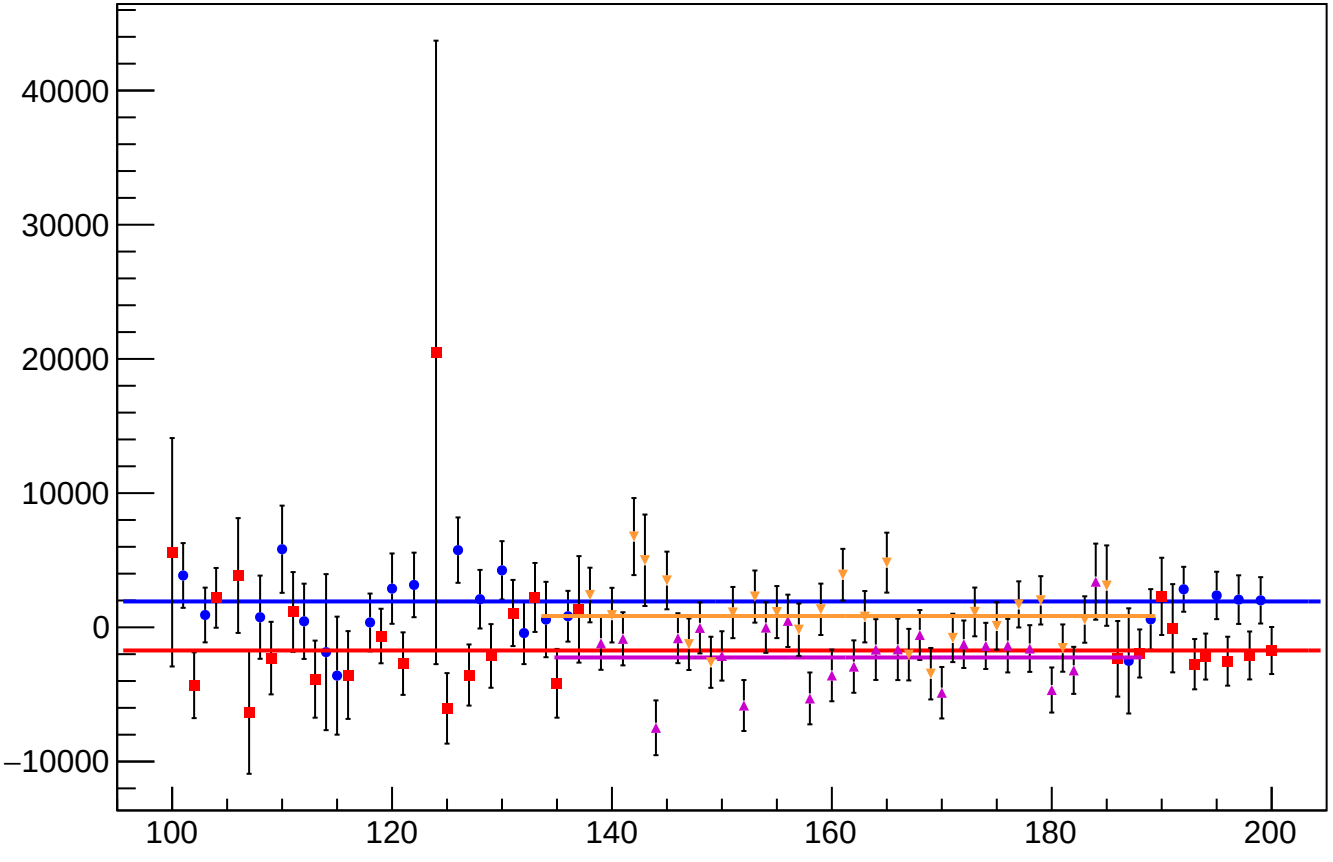
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1381.737+/-0.279 χ^2/NDF: 36514611.5/46

All: 1350.126+/-0.196 χ^2/NDF: 76429751.0/9

- sign 1318.853+/-0.277 χ^2/NDF: 39889517.4/50

cor_asym_atl_avg_mean vs Slug



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1724.123+/-464.199 χ^2/NDF: 22.3/27

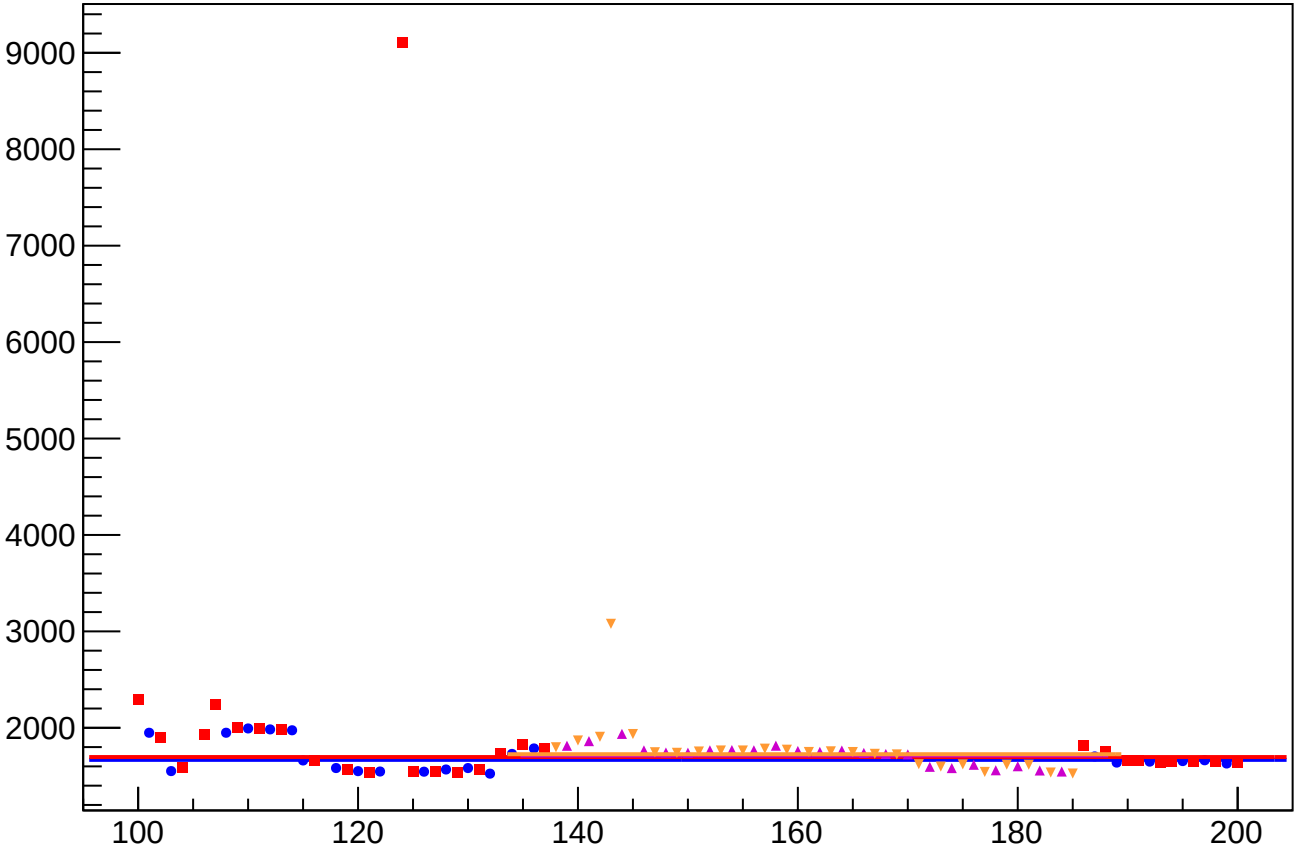
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1266.009+/-307.960 χ^2/NDF: 46.2/46

All: -403.114+/-216.111 χ^2/NDF: 156.6/97

- sign -2022.599+/-303.347 χ^2/NDF: 52.4/50

cor_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

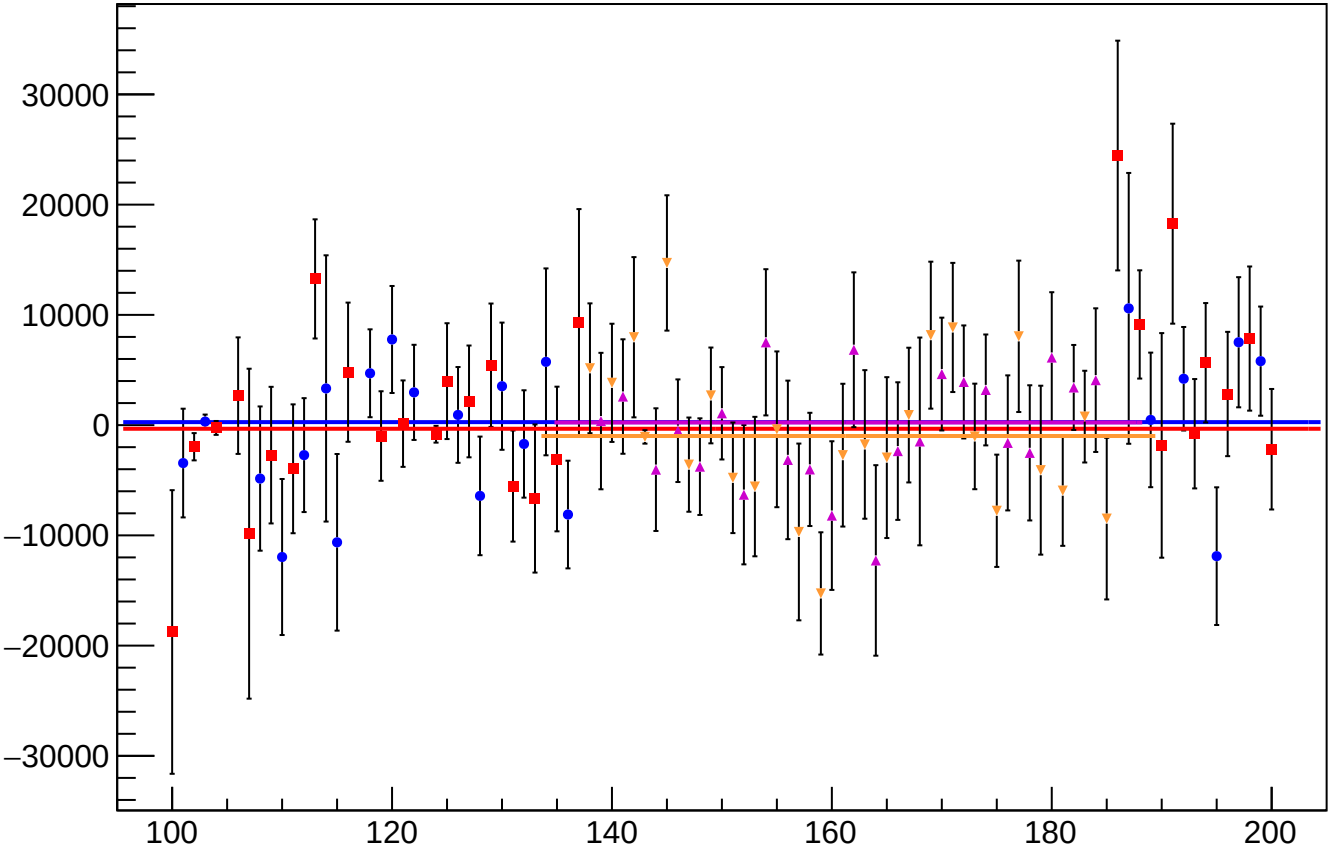
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.5/46

All: 1704.684+/-0.153 χ^2/NDF: 1148298.1/97

- sign 1706.081+/-0.214 χ^2/NDF: 532272.3/50

asym_atl_avg_cor_correction_mean vs Slug



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -330.305+/-421.515 χ^2/NDF: 34.3/27

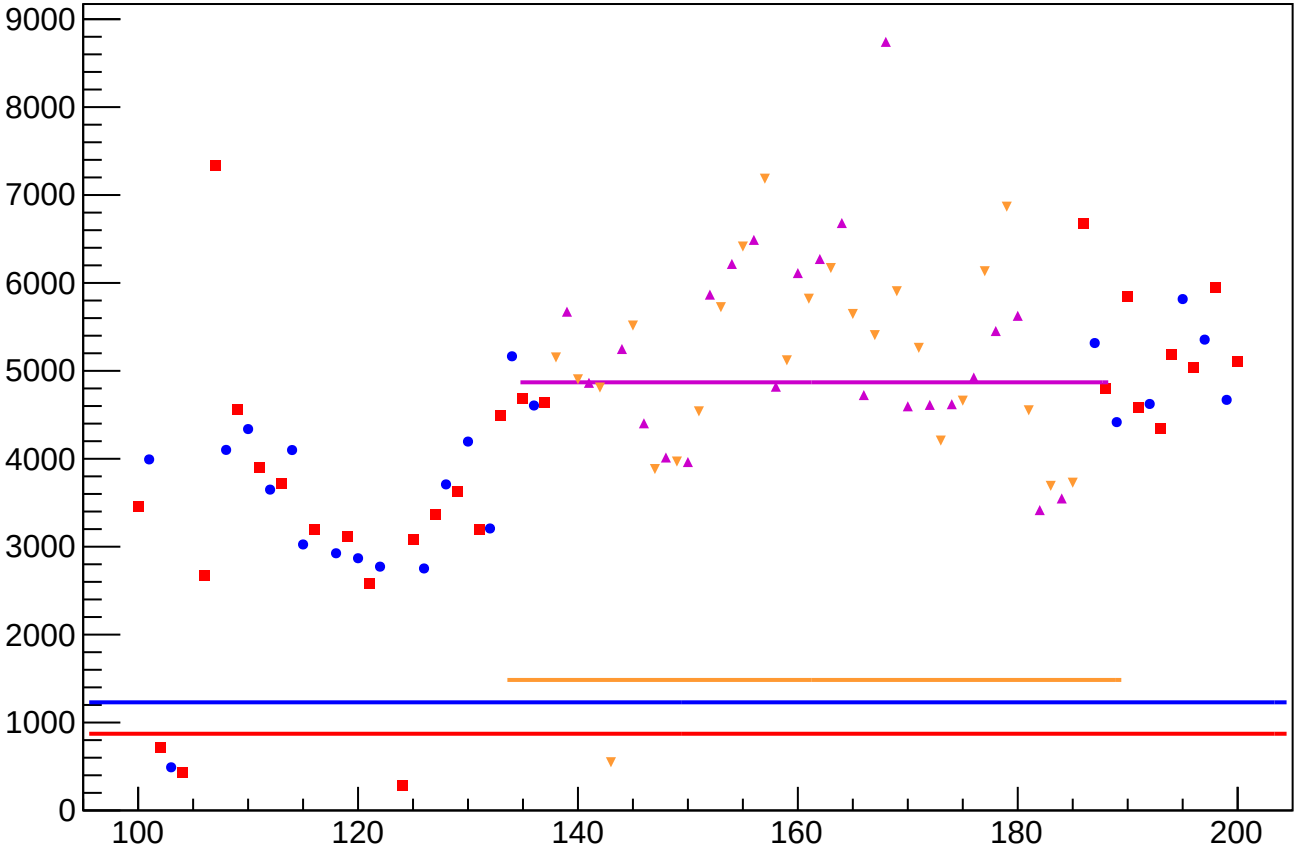
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -382.571+/-390.227 χ^2/NDF: 57.2/46

All: -324.386+/-278.079 χ^2/NDF: 105.3/97

- sign -264.353+/-396.370 χ^2/NDF: 48.1/50

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

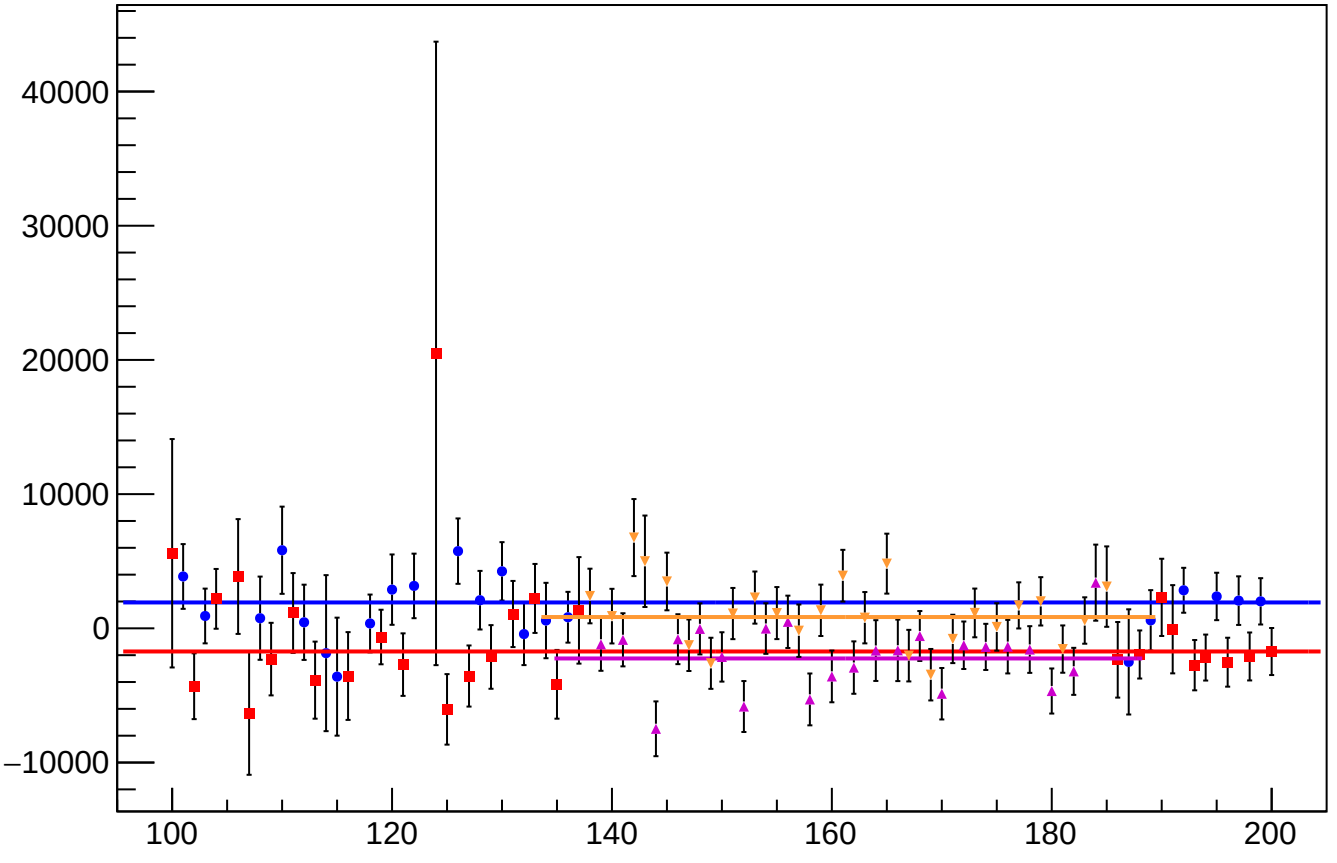
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1362.237+/-0.276 χ^2/NDF: 36771392.4/46

All: 1348.892+/-0.197 χ^2/NDF: 76798600.7/9

- sign 1335.124+/-0.280 χ^2/NDF: 40022456.2/50

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1724.123+/-464.199 χ^2/NDF: 22.3/27

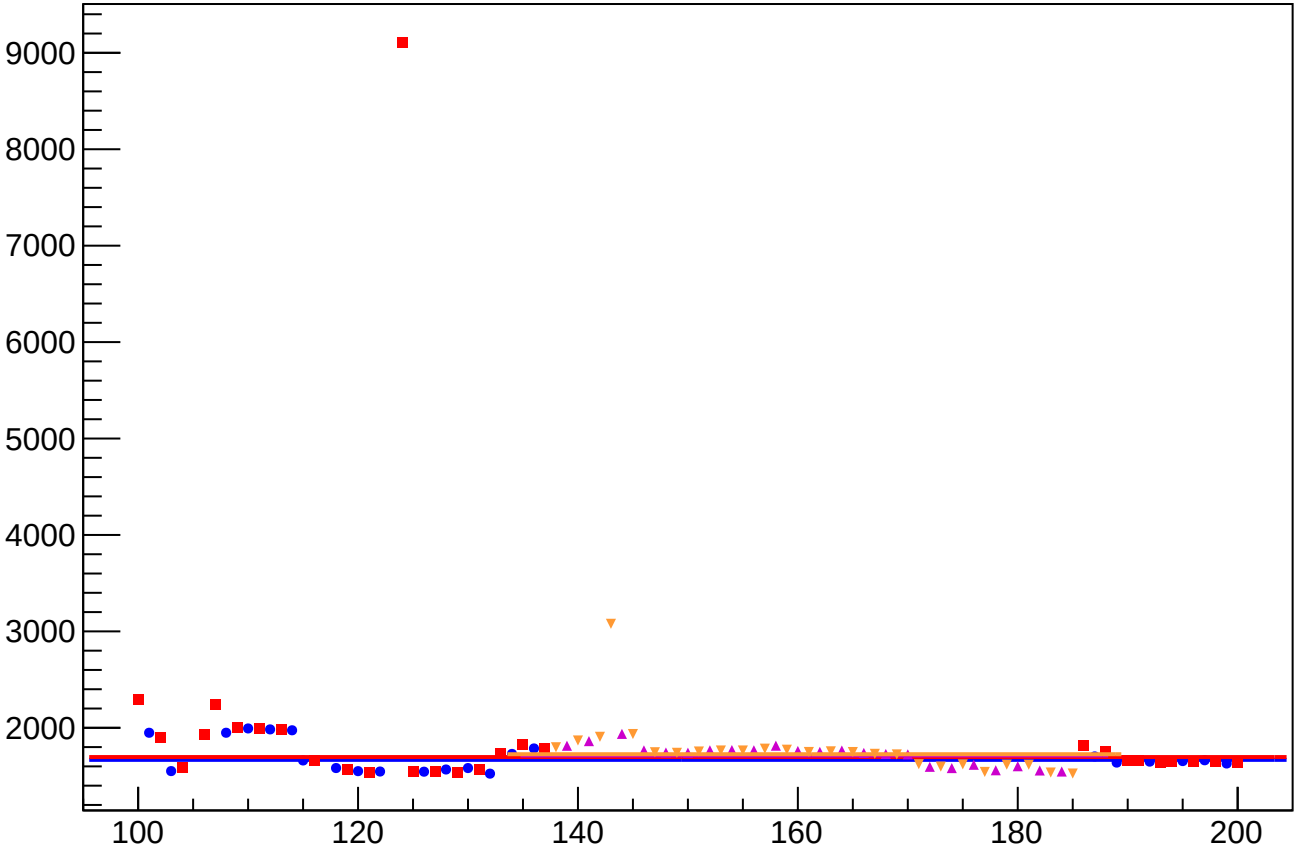
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1266.009+/-307.960 χ^2/NDF: 46.2/46

All: -403.114+/-216.111 χ^2/NDF: 156.6/97

- sign -2022.599+/-303.347 χ^2/NDF: 52.4/50

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

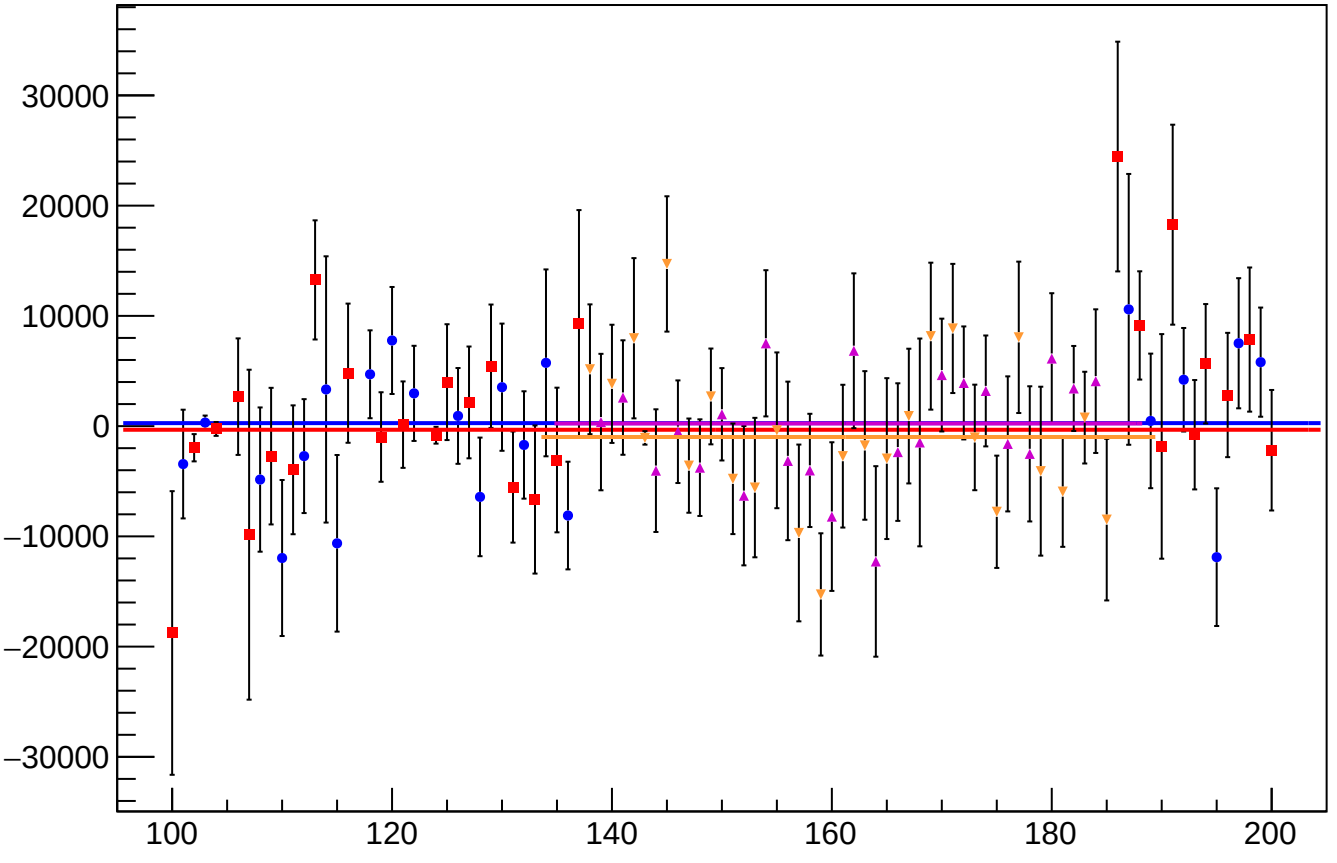
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.5/46

All: 1704.684+/-0.153 χ^2/NDF: 1148298.1/97

- sign 1706.081+/-0.214 χ^2/NDF: 532272.3/50

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -330.305+/-421.515 χ^2/NDF: 34.3/27

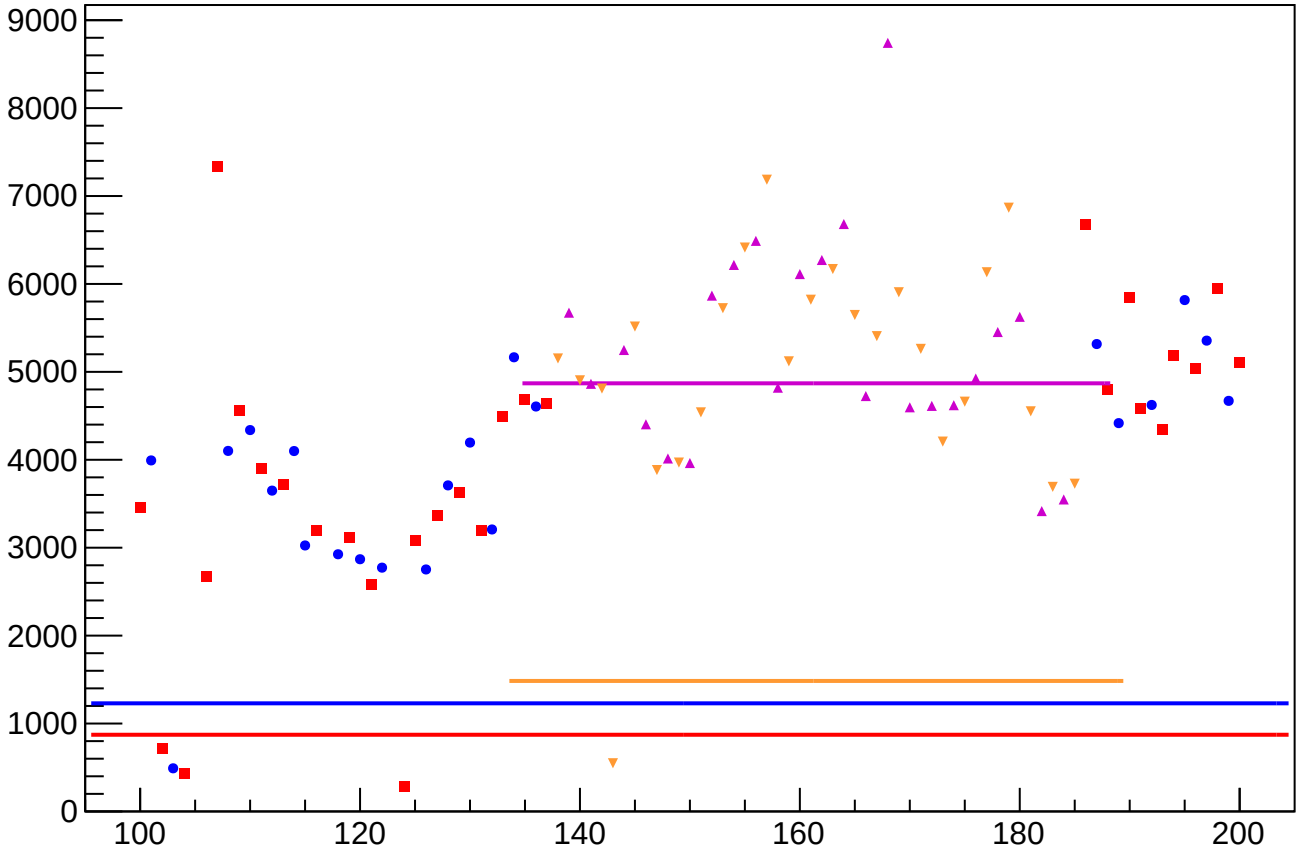
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -382.571+/-390.227 χ^2/NDF: 57.2/46

All: -324.386+/-278.079 χ^2/NDF: 105.3/97

- sign -264.353+/-396.370 χ^2/NDF: 48.1/50

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

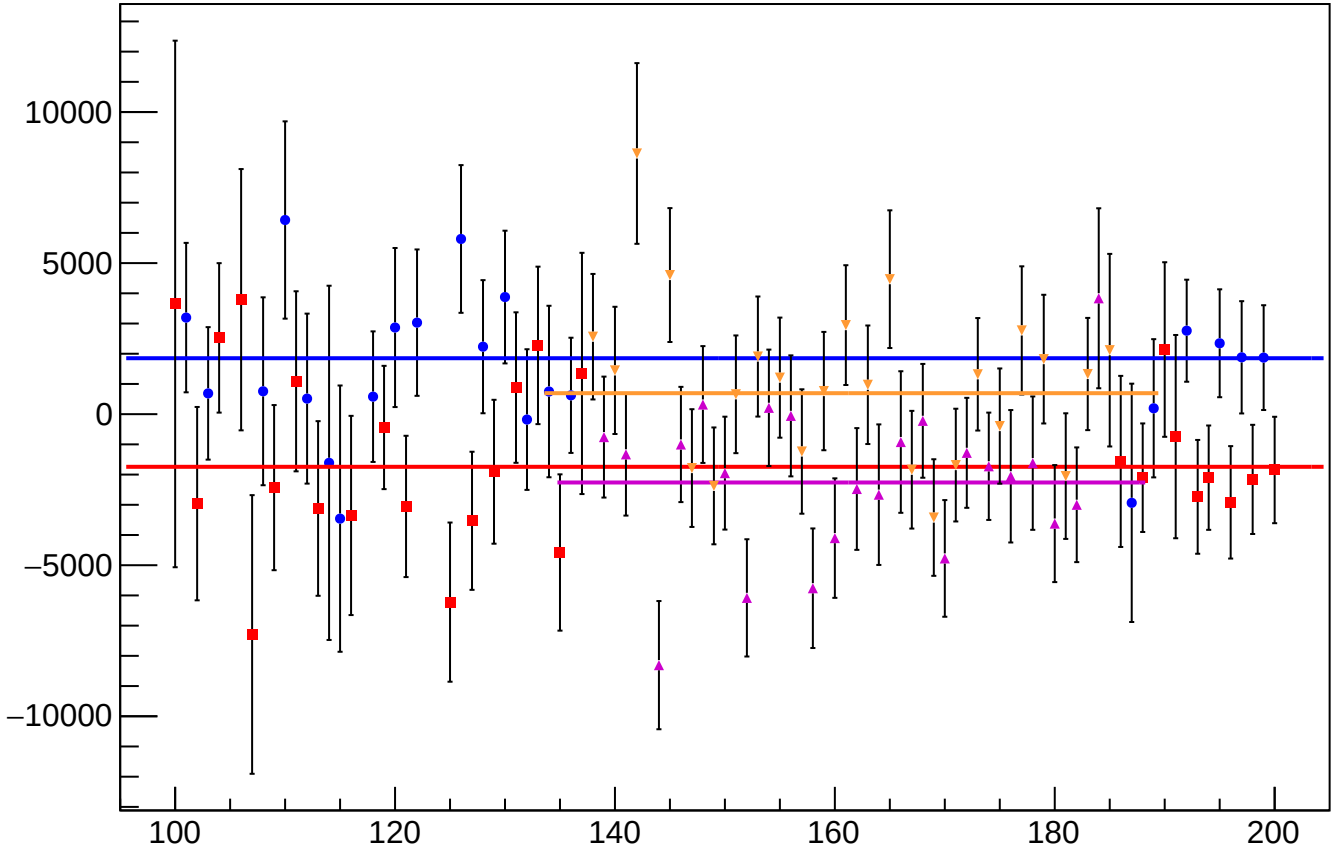
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1362.237+/-0.276 χ^2/NDF: 36771392.4/46

All: 1348.892+/-0.197 χ^2/NDF: 76798600.7/9

- sign 1335.124+/-0.280 χ^2/NDF: 40022456.2/50

dit_asym_atl_avg_mean vs Slug



Right In: 1851.685+/-499.348 χ^2/NDF: 12.6/21

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1742.588+/-473.206 χ^2/NDF: 20.3/26

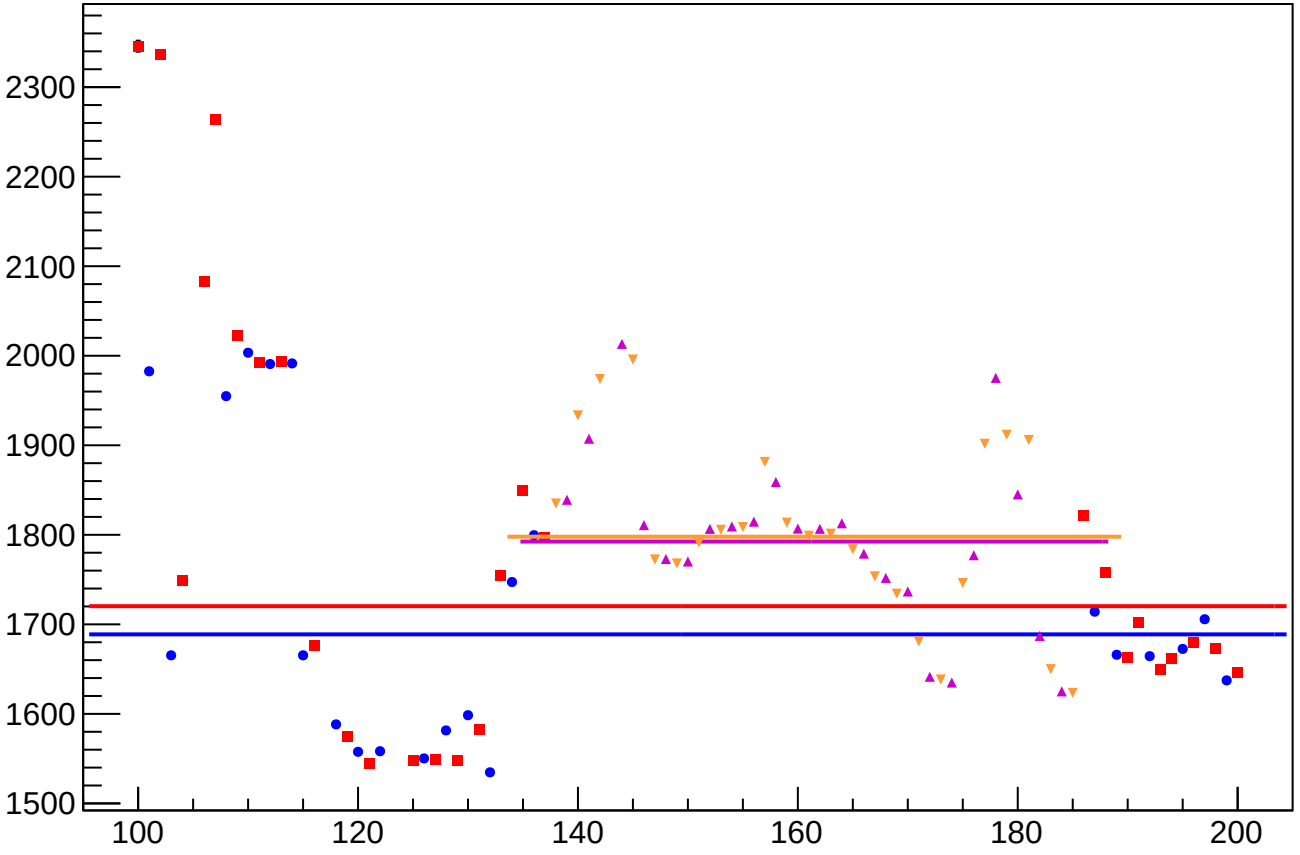
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1171.237+/-320.546 χ^2/NDF: 48.0/45

All: -465.342+/-224.228 χ^2/NDF: 150.4/95

- sign -2033.496+/-313.774 χ^2/NDF: 51.3/49

dit_asym_atl_avg_rms vs Slug



Right In: 1688.798+/-0.353 χ^2/NDF: 138860.3/21

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1720.293+/-0.334 χ^2/NDF: 267870.9/26

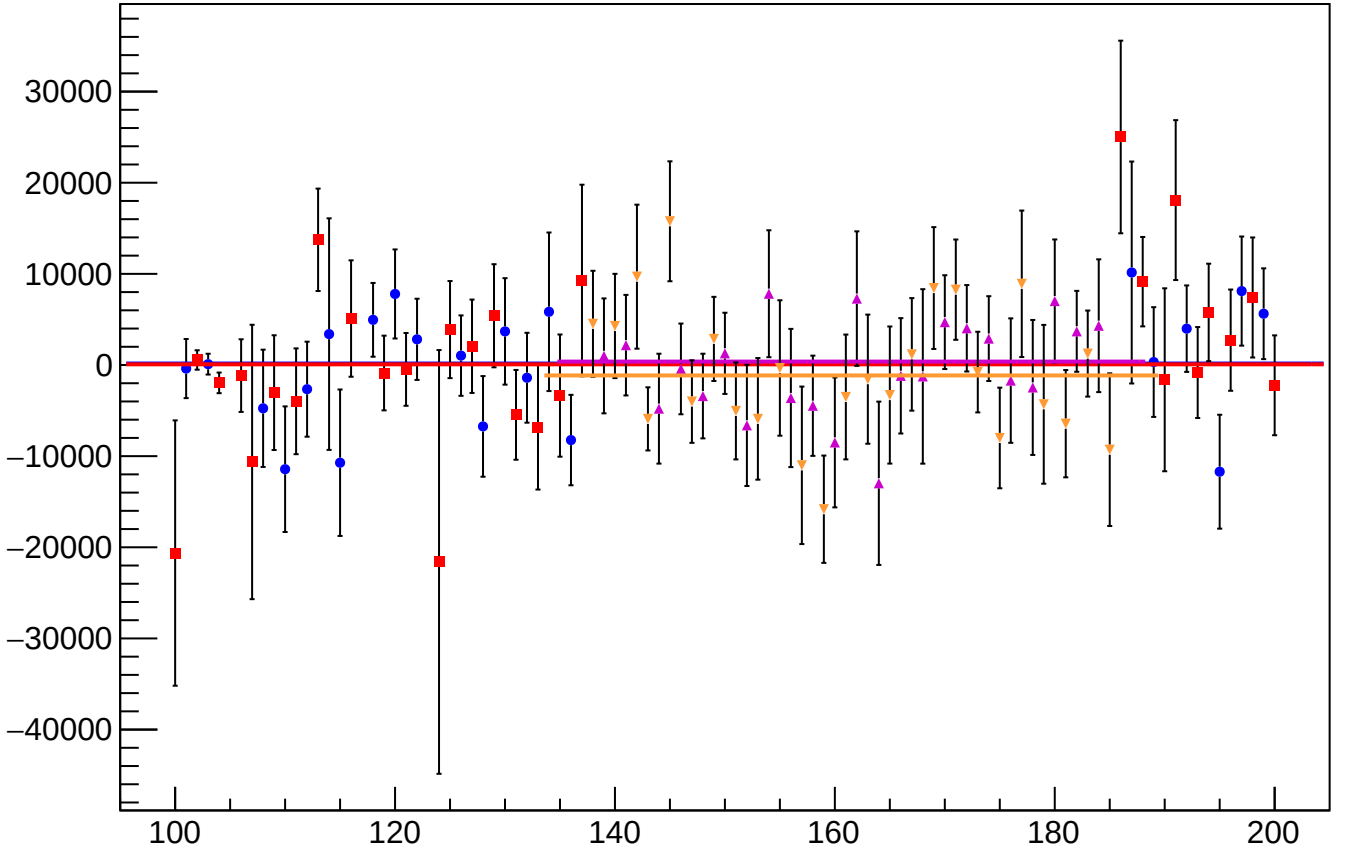
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1752.947+/-0.227 χ^2/NDF: 293004.7/45

All: 1756.900+/-0.159 χ^2/NDF: 680437.2/95

- sign 1760.683+/-0.222 χ^2/NDF: 386837.3/49

asym_atl_avg_dit_correction_mean vs Slug



Right In: 160.799+/-816.232 χ^2/NDF: 23.1/21

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 75.088+/-644.777 χ^2/NDF: 35.2/27

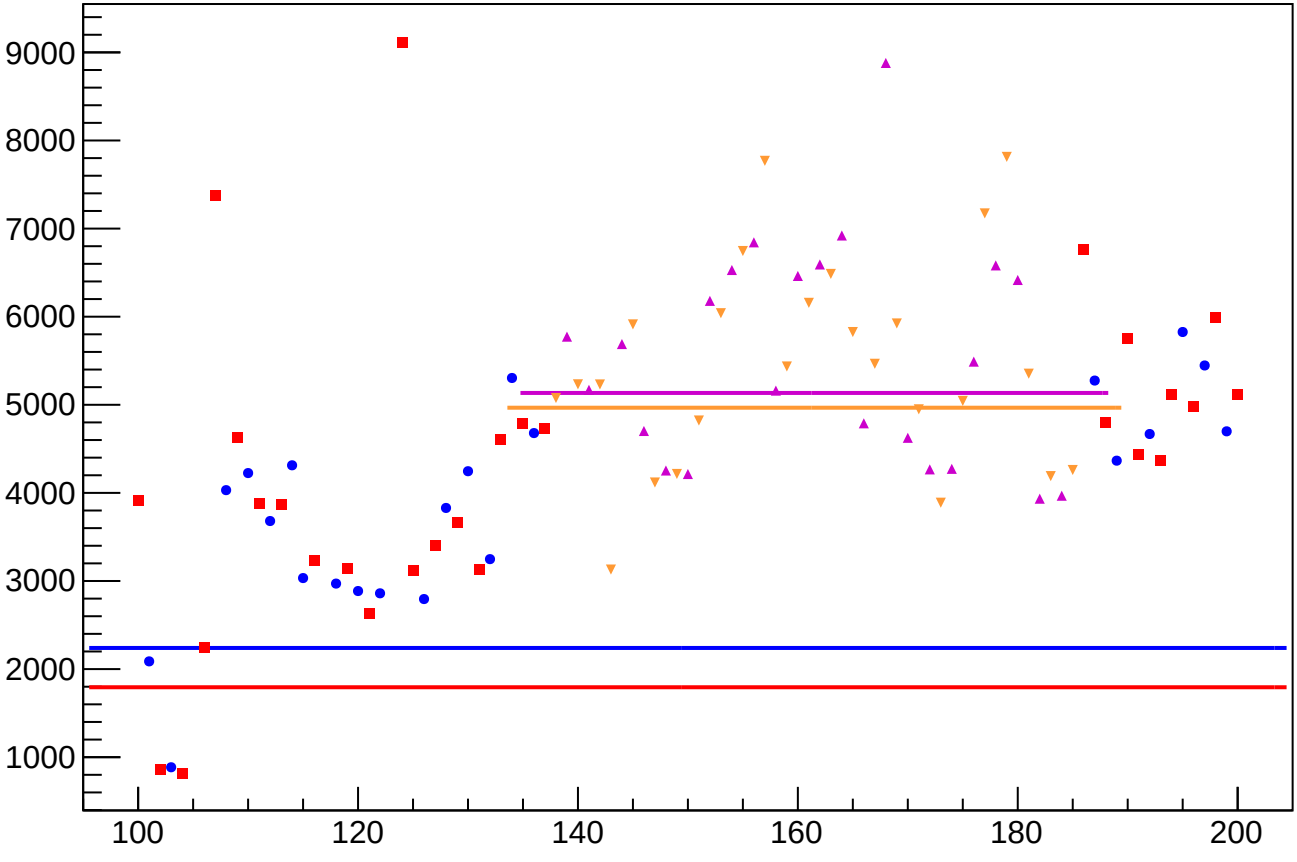
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -269.215+/-668.384 χ^2/NDF: 56.5/46

All: -32.729+/-434.118 χ^2/NDF: 105.2/97

- sign 139.829+/-570.940 χ^2/NDF: 48.5/50

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2239.940+/-0.577 χ^2/NDF: 7372611.7/21

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1793.843+/-0.456 χ^2/NDF: 11713294.1/27

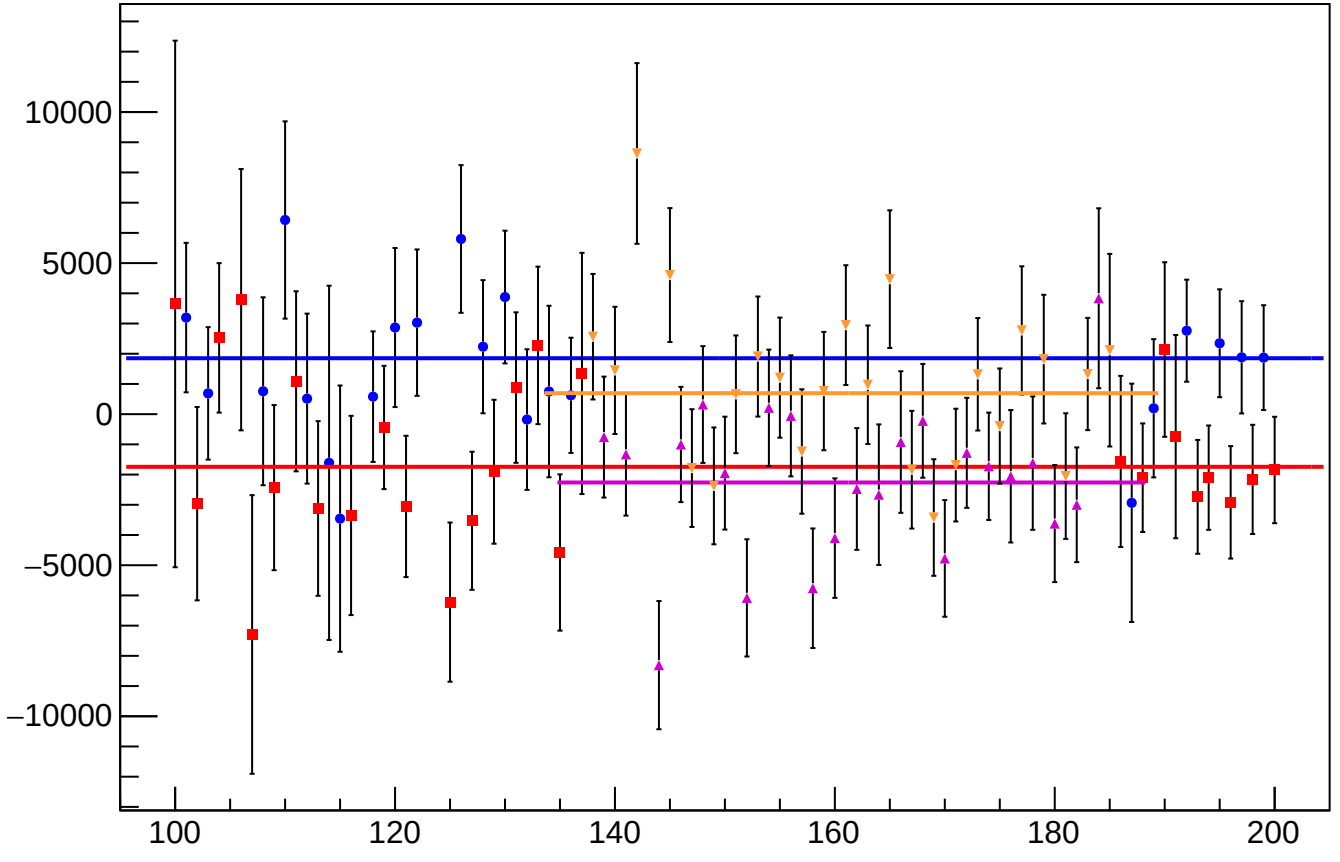
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3138.359+/-0.473 χ^2/NDF: 16645119.1/46

All: 2778.049+/-0.307 χ^2/NDF: 42442558.7/9

- sign 2515.139+/-0.404 χ^2/NDF: 24792136.8/50

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1851.681+/-499.348 χ^2/NDF: 12.6/21

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1742.586+/-473.206 χ^2/NDF: 20.3/26

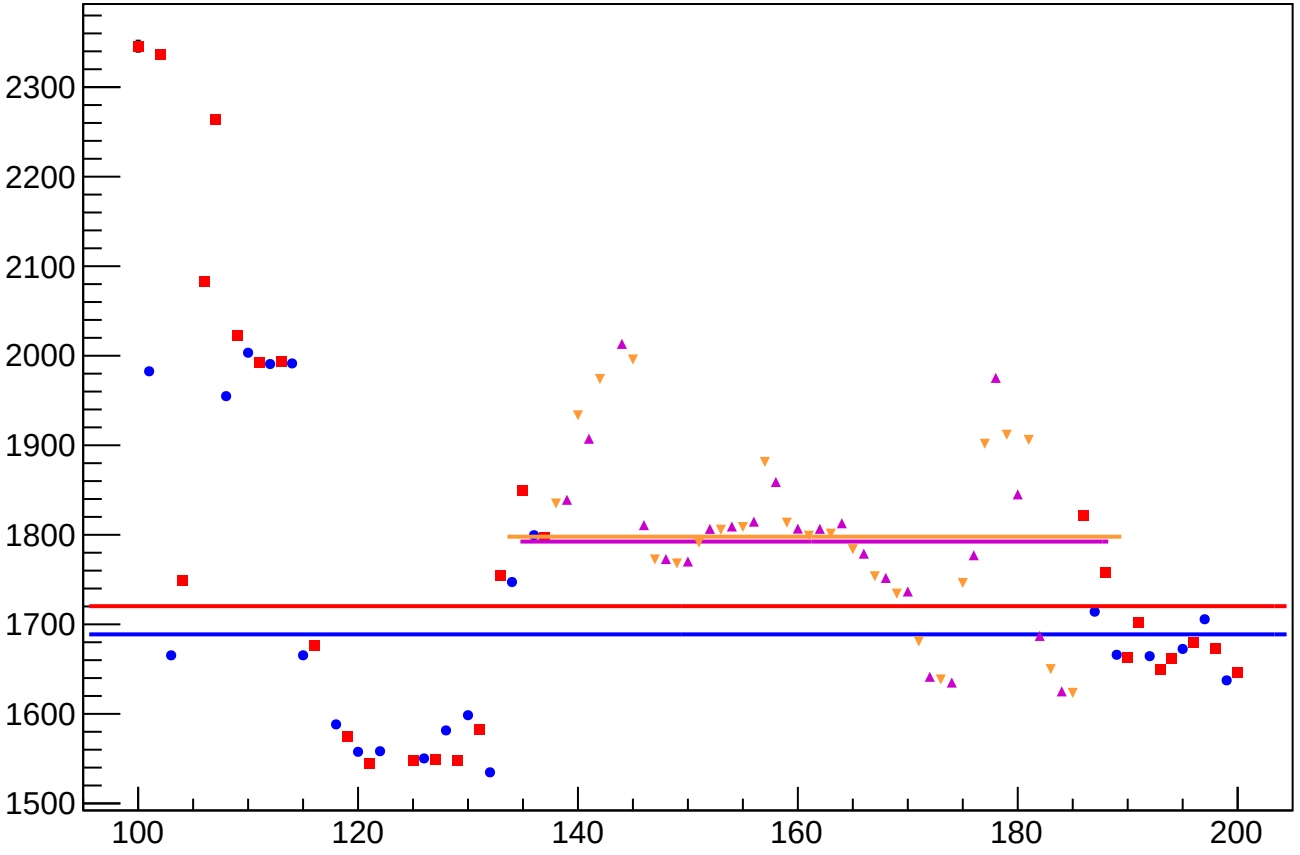
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1171.233+/-320.546 χ^2/NDF: 48.0/45

All: -465.343+/-224.228 χ^2/NDF: 150.4/95

- sign -2033.495+/-313.774 χ^2/NDF: 51.3/49

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1688.797+/-0.353 χ^2/NDF: 138860.6/21

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

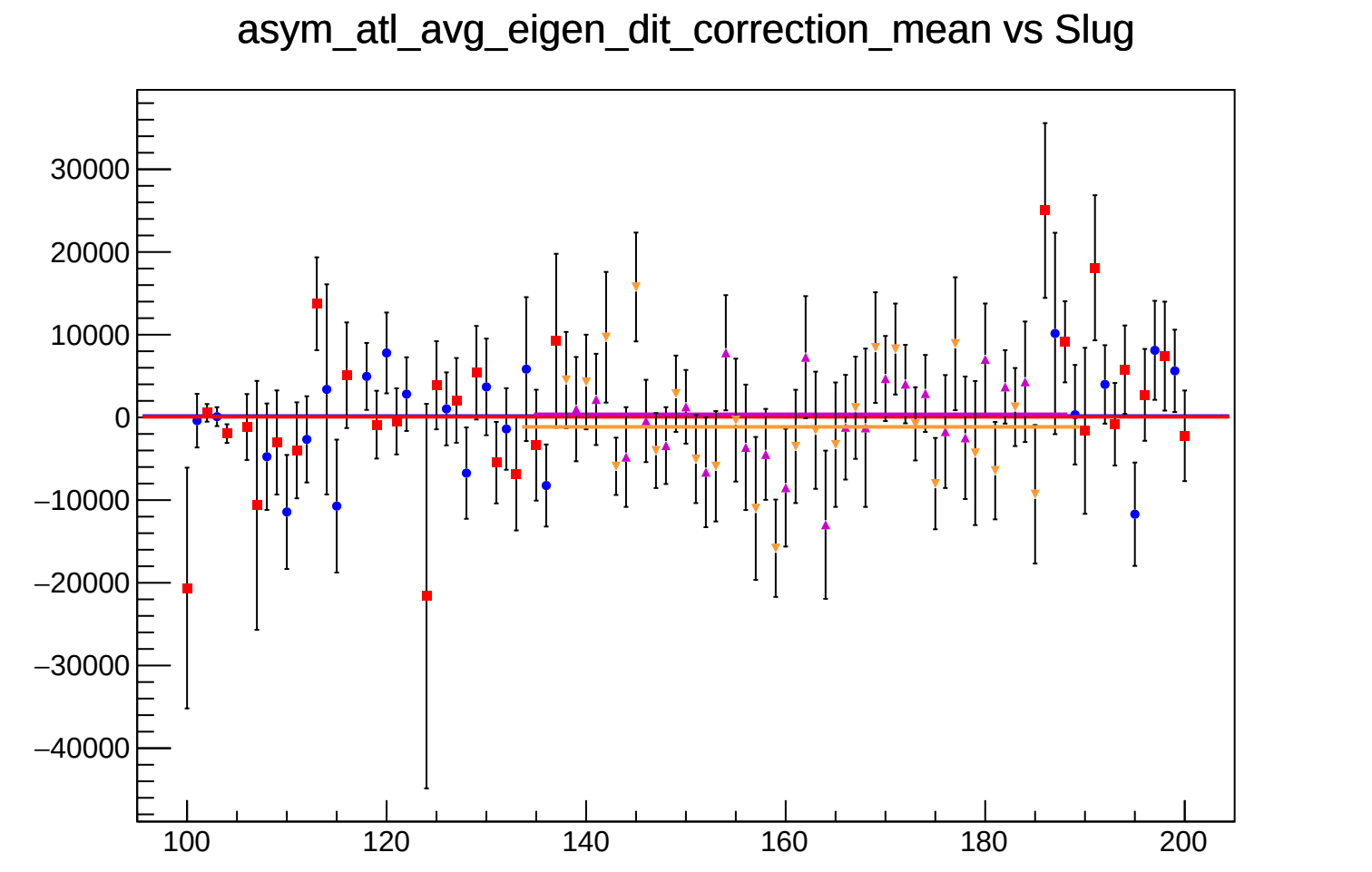
Right Out: 1720.293+/-0.334 χ^2/NDF: 267870.1/26

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1752.948+/-0.227 χ^2/NDF: 293009.9/45

All: 1756.900+/-0.159 χ^2/NDF: 680445.8/95

- sign 1760.684+/-0.222 χ^2/NDF: 386840.8/49



Right In: 160.800+/-816.228 χ^2/NDF: 23.1/21

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 75.082+/-644.773 χ^2/NDF: 35.2/27

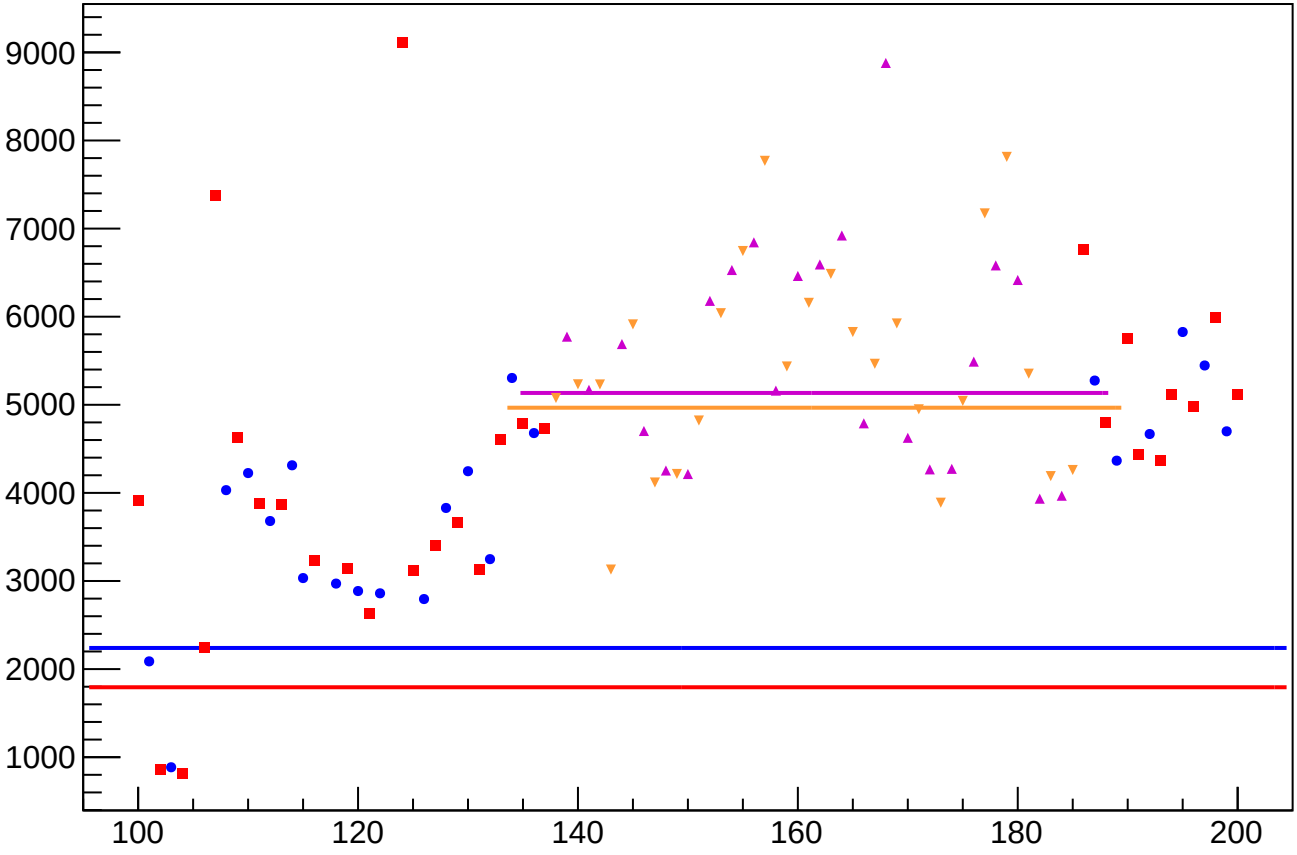
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -269.212+/-668.381 χ^2/NDF: 56.5/46

All: -32.730+/-434.116 χ^2/NDF: 105.2/97

\- sign 139.824+/-570.937 χ^2/NDF: 48.5/50

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2239.921+/-0.577 χ^2/NDF: 7372689.8/21

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1793.826+/-0.456 χ^2/NDF: 11713383.9/27

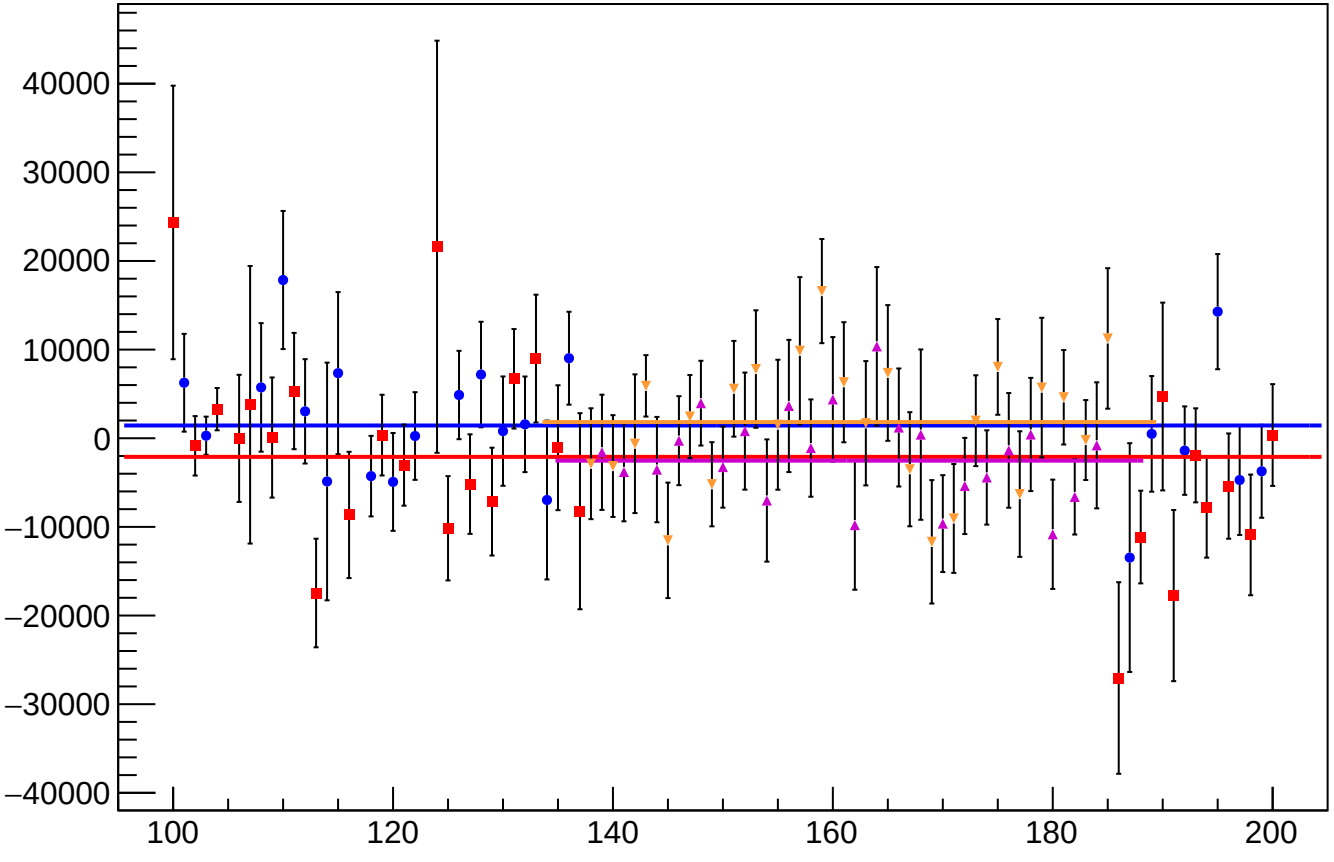
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3138.340+/-0.473 χ^2/NDF: 16645355.9/46

All: 2778.028+/-0.307 χ^2/NDF: 42443082.1/9

- sign 2515.118+/-0.404 χ^2/NDF: 24792408.6/50

asym_atl_avg_mean vs Slug



Right In: 1439.342+/-1127.588 χ^2/NDF: 21.5/21

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2099.568+/-1078.183 χ^2/NDF: 40.8/27

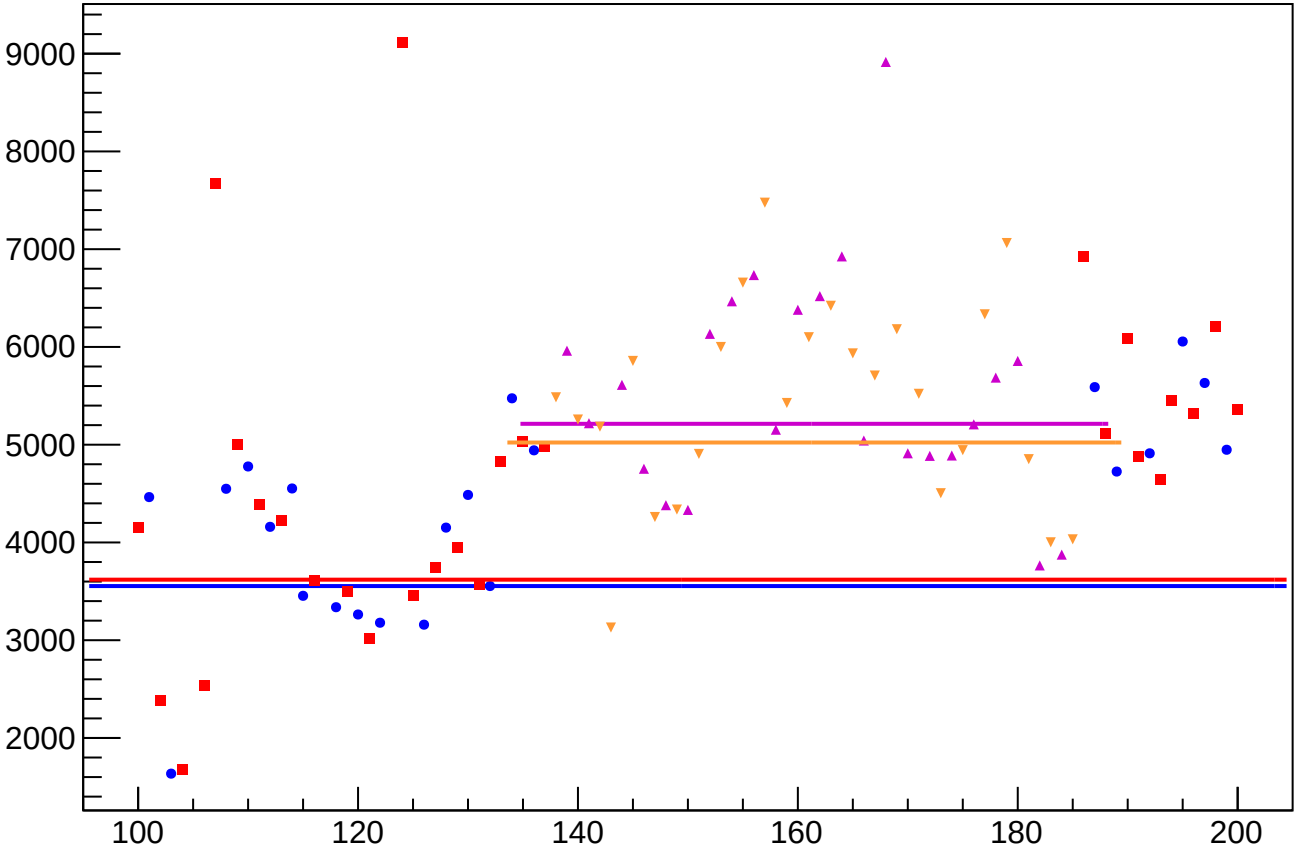
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1625.224+/-812.731 χ^2/NDF: 52.6/46

All: -326.012+/-575.208 χ^2/NDF: 118.2/97

- sign -2284.323+/-814.204 χ^2/NDF: 54.1/50

asym_atl_avg_rms vs Slug



Right In: 3553.878+/-0.797 χ^2/NDF: 3020188.2/21

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

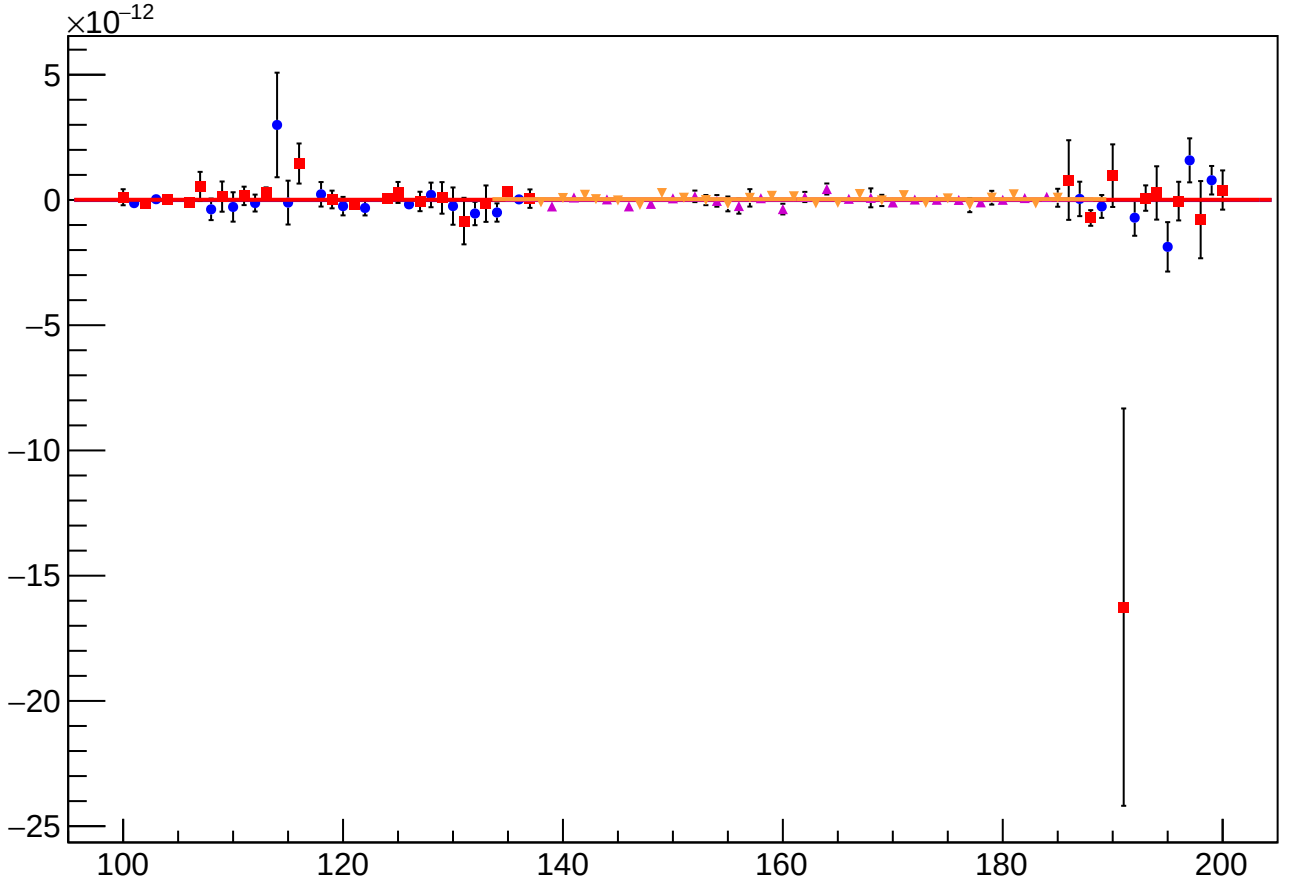
Right Out: 3619.372+/-0.753 χ^2/NDF: 3699965.6/27

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4259.491+/-0.575 χ^2/NDF: 6326769.7/46

All: 4277.433+/-0.405 χ^2/NDF: 13150154.8/9

- sign 4295.195+/-0.572 χ^2/NDF: 6821445.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/27

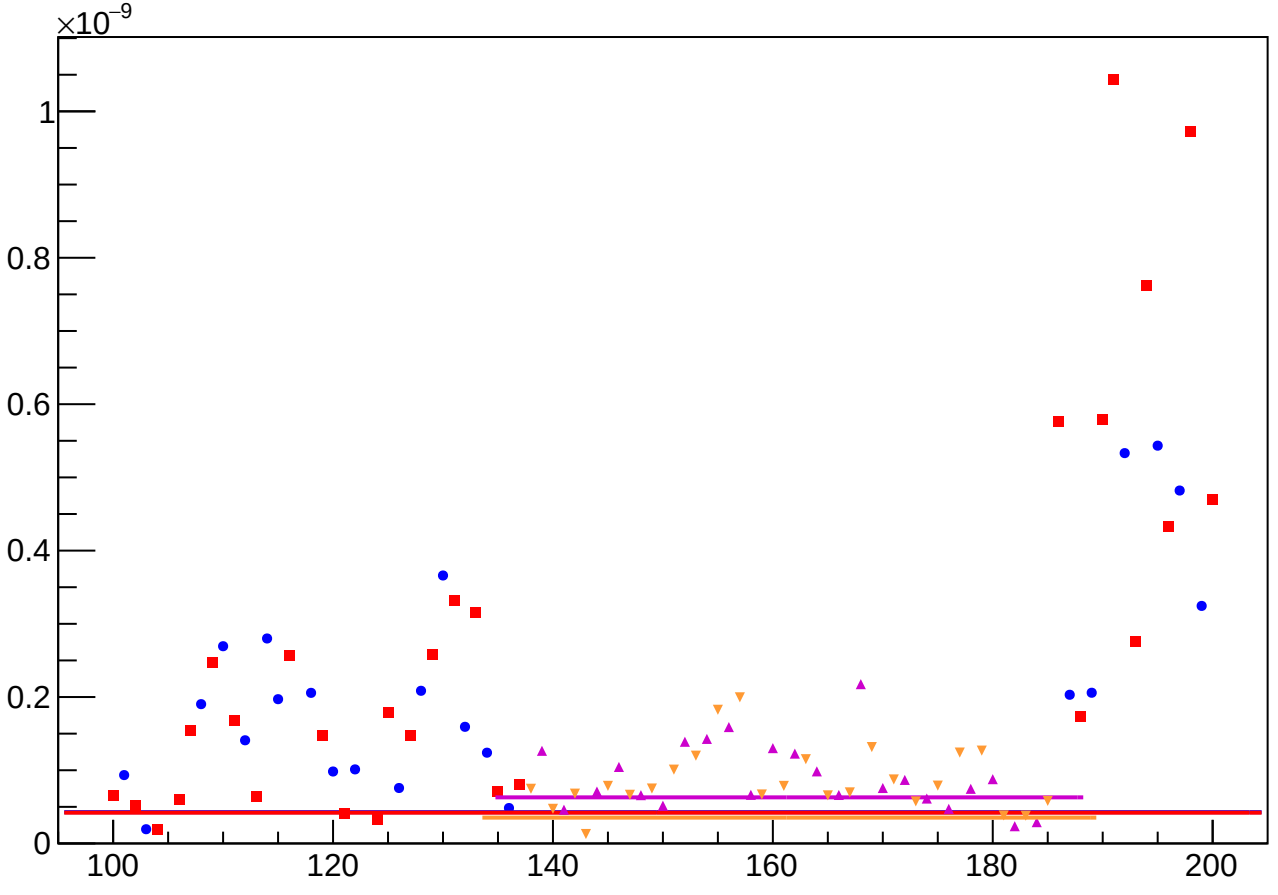
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/46

All: 0.000+/-0.000 χ^2/NDF: 91.9/97

- sign 0.000+/-0.000 χ^2/NDF: 45.2/50

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5719692.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6904858.6/27

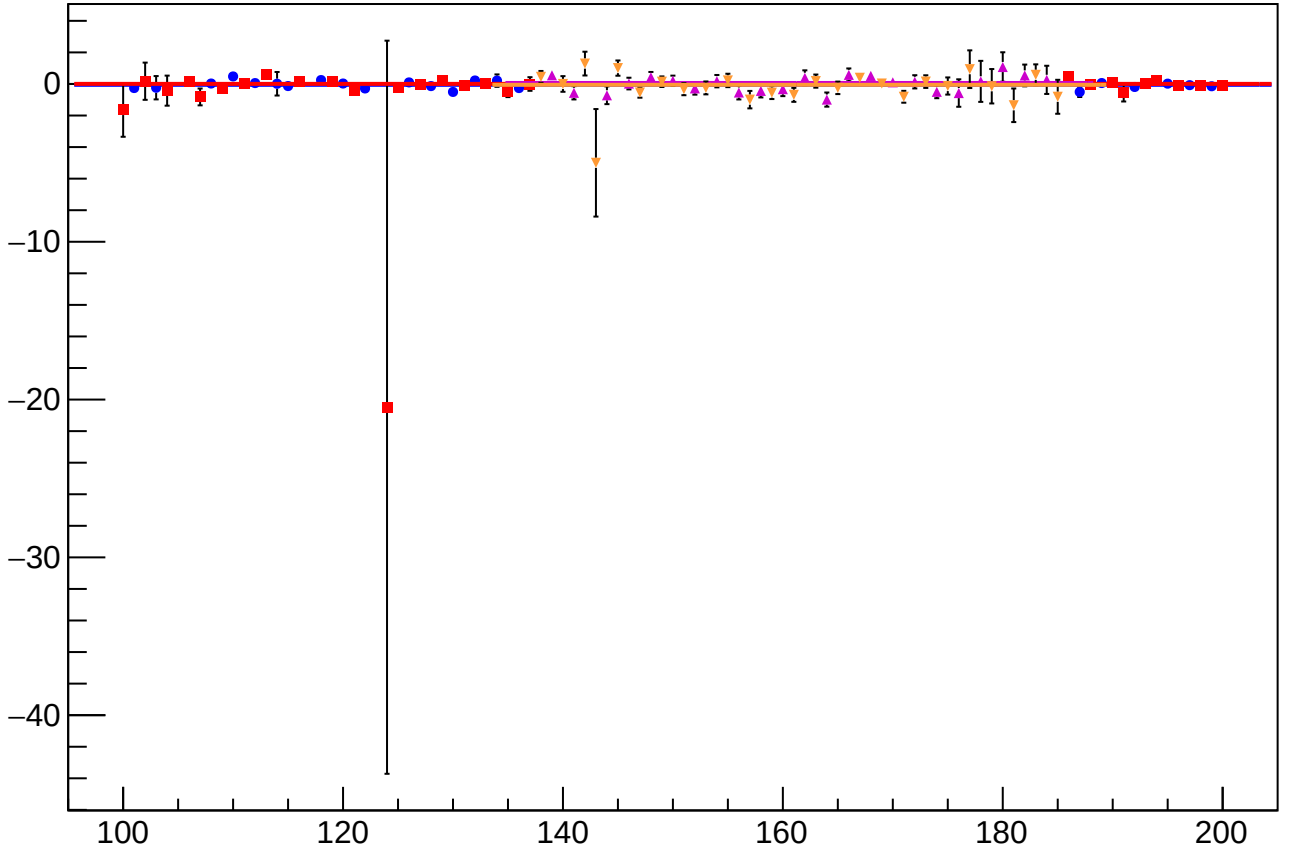
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12306125.2/46

All: 0.000+/-0.000 χ^2/NDF: 23469271.3/97

- sign 0.000+/-0.000 χ^2/NDF: 10324523.0/50

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.005+/-0.040 χ^2/NDF: 29.4/27

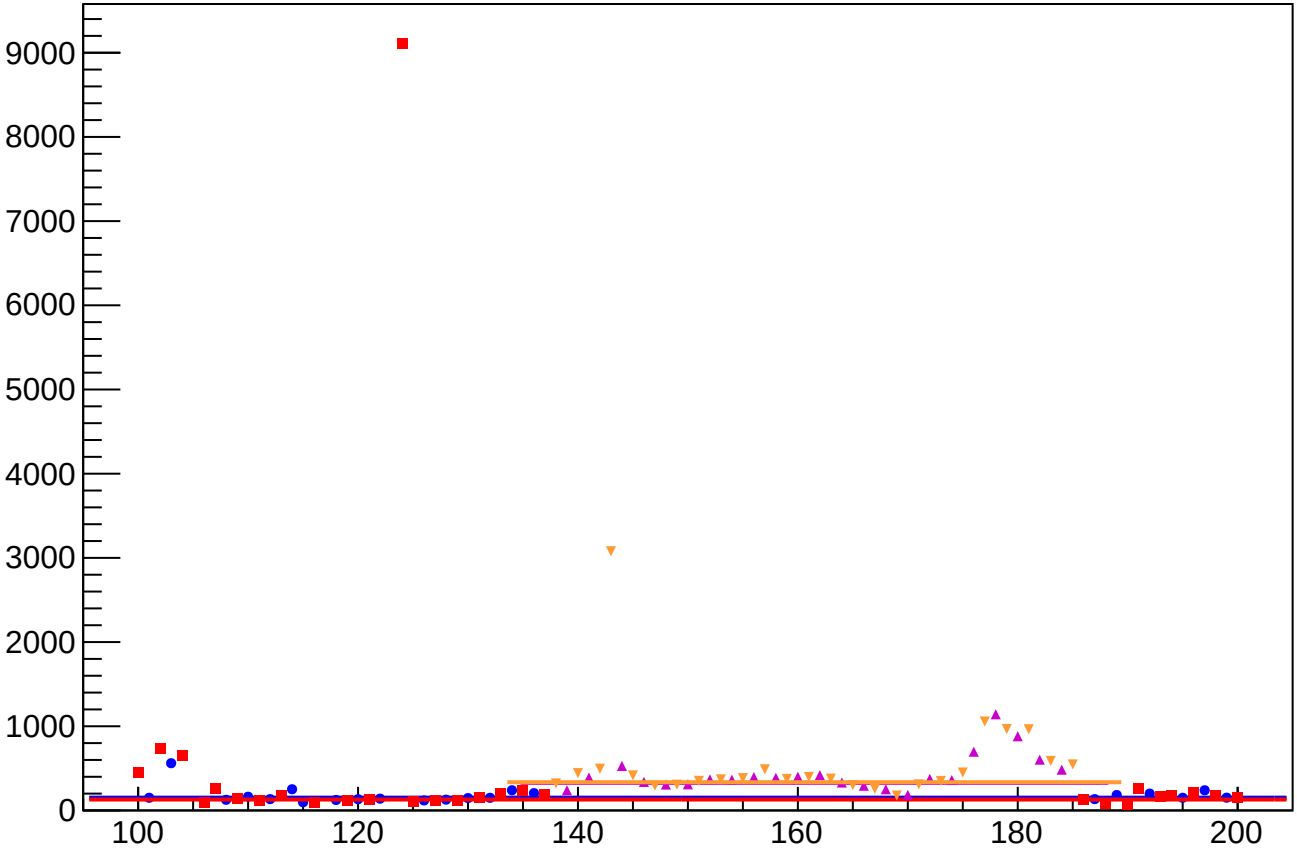
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.014+/-0.027 χ^2/NDF: 113.0/97

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

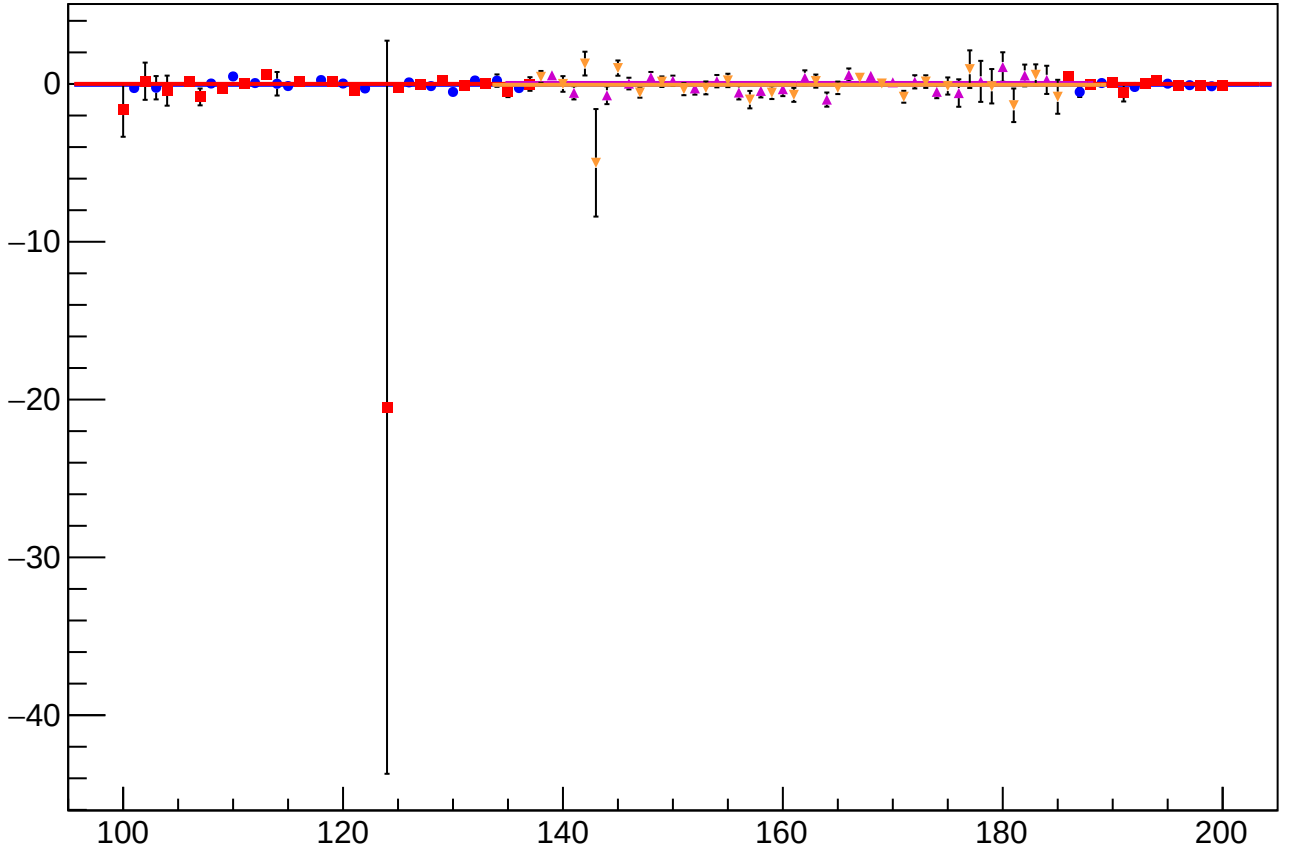
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 197.086+/-0.030 χ^2/NDF: 14402778.3/46

All: 179.968+/-0.019 χ^2/NDF: 32076828.1/97

- sign 167.293+/-0.026 χ^2/NDF: 17093504.9/50

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.005+/-0.040 χ^2/NDF: 29.4/27

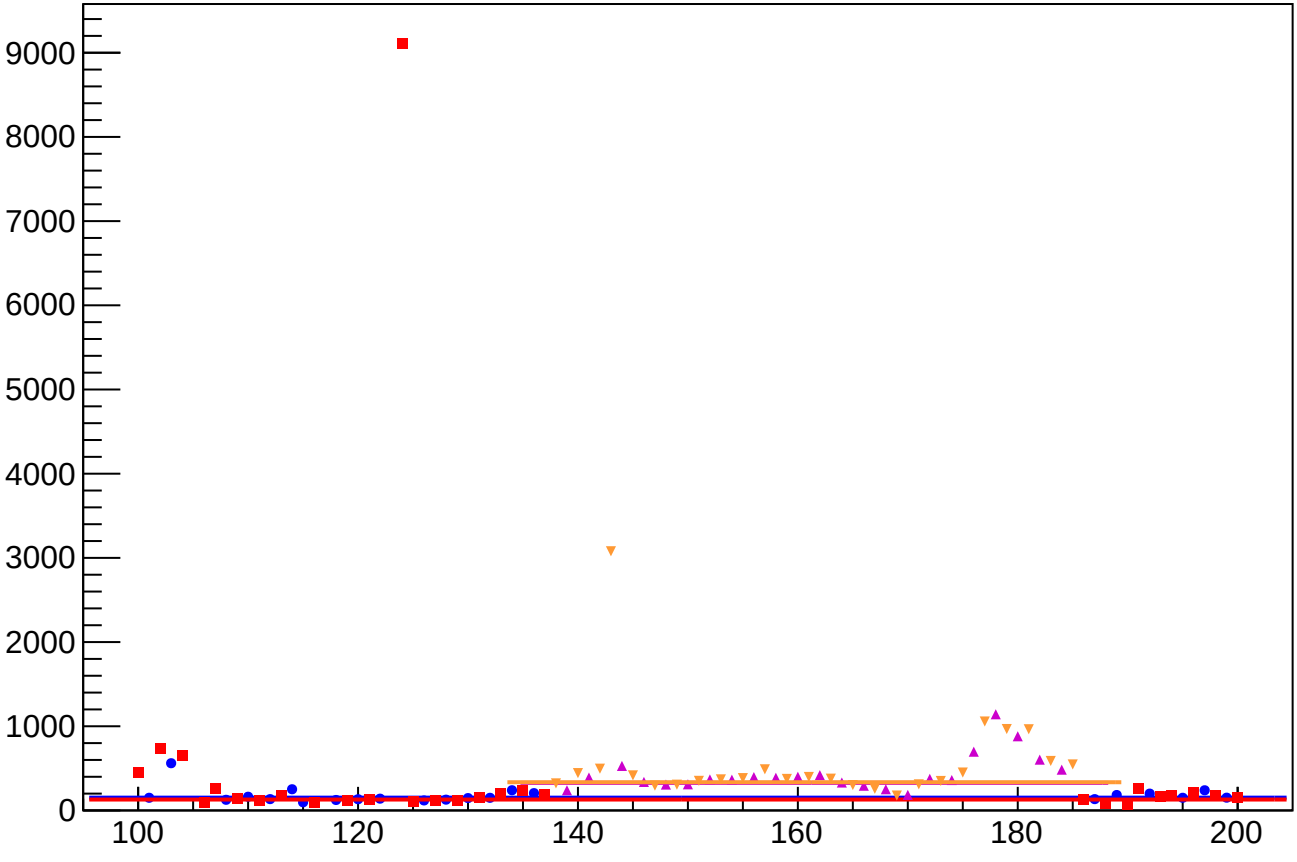
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.014+/-0.027 χ^2/NDF: 113.0/97

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

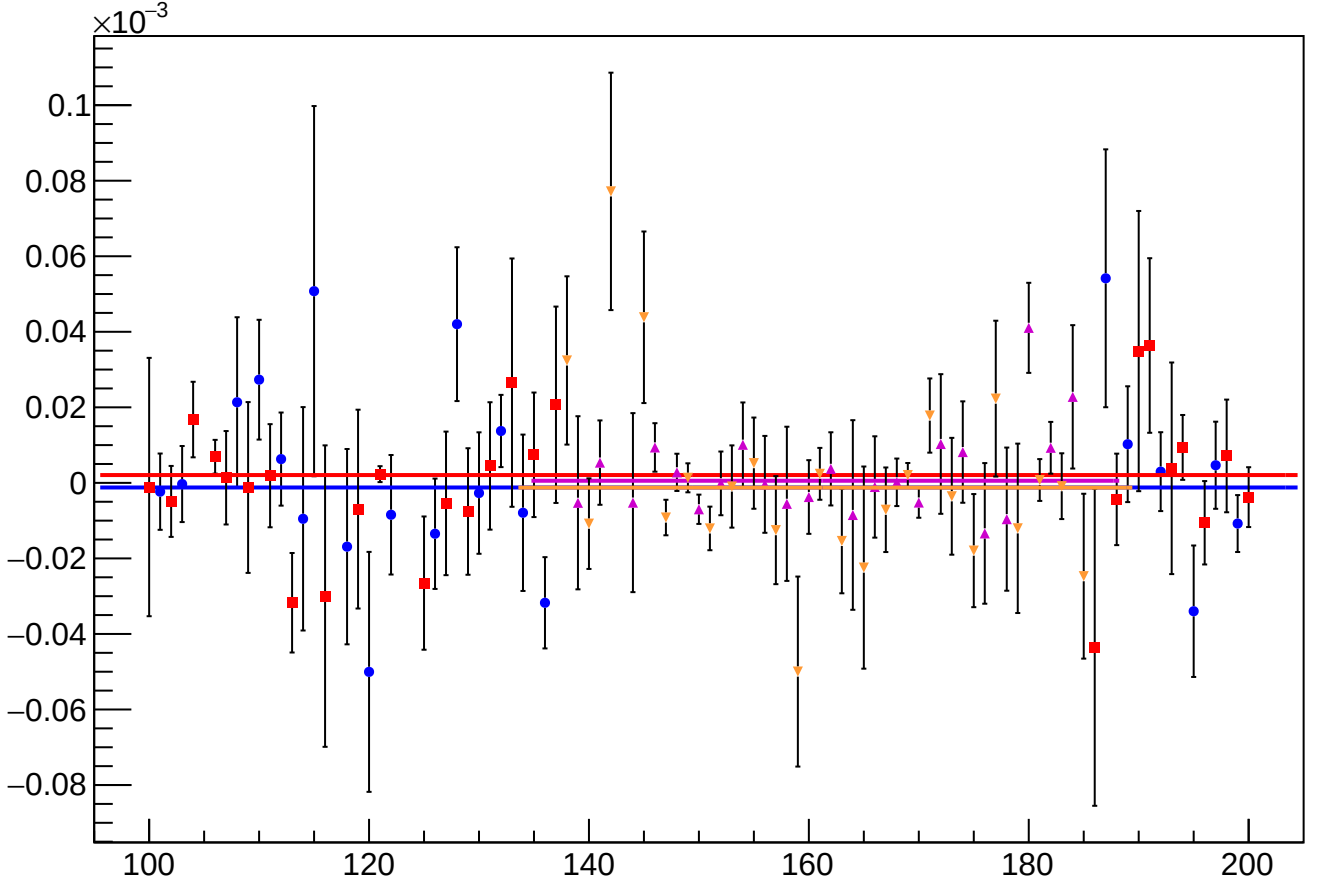
Right Out: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

\+ sign 197.086+/-0.030 χ^2/NDF: 14402778.3/46

All: 179.968+/-0.019 χ^2/NDF: 32076828.1/97

\- sign 167.293+/-0.026 χ^2/NDF: 17093504.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

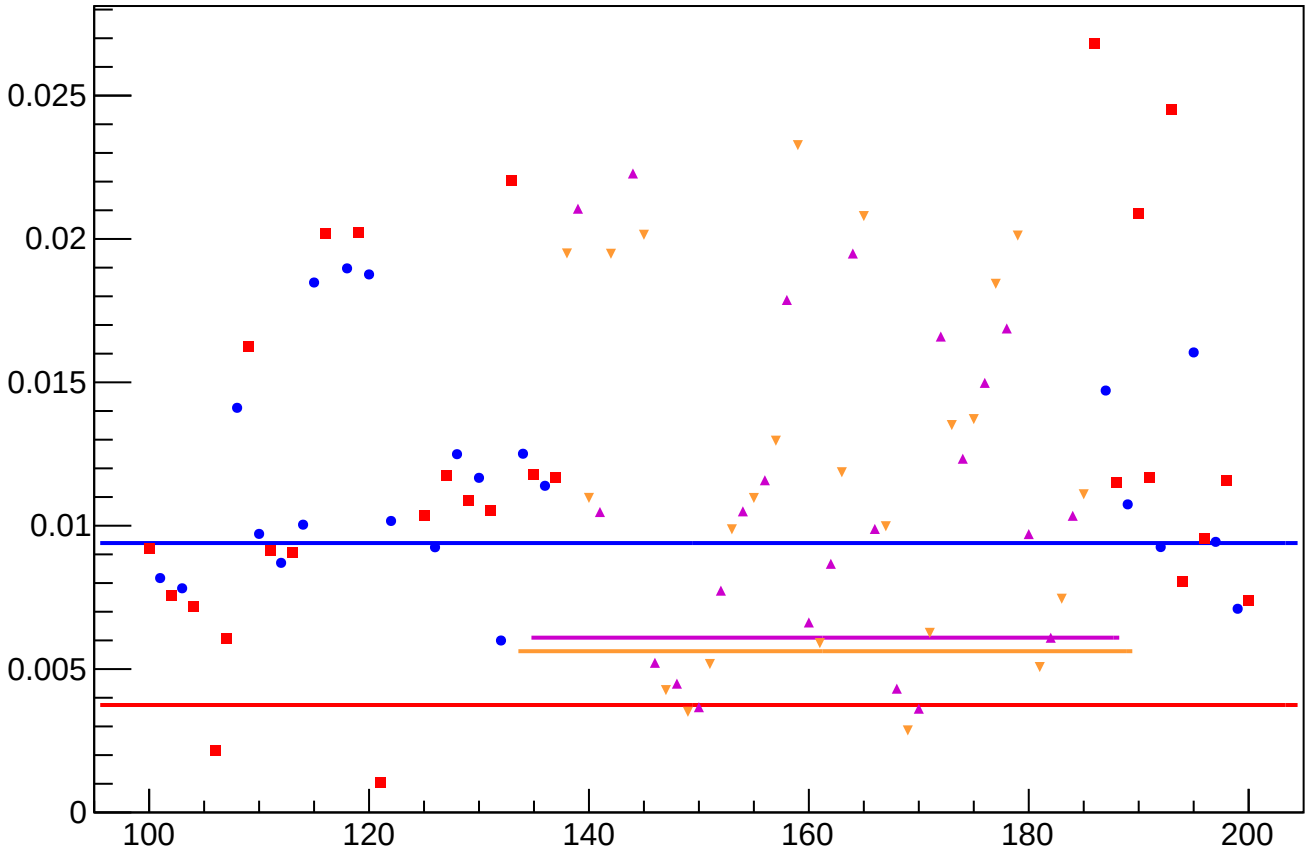
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/26

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.4/45

All: 0.000+/-0.000 χ^2/NDF: 118.1/95

- sign 0.000+/-0.000 χ^2/NDF: 48.6/49



Right In: 0.009+/-0.000 χ^2/NDF: 1676404.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14389294.1/26

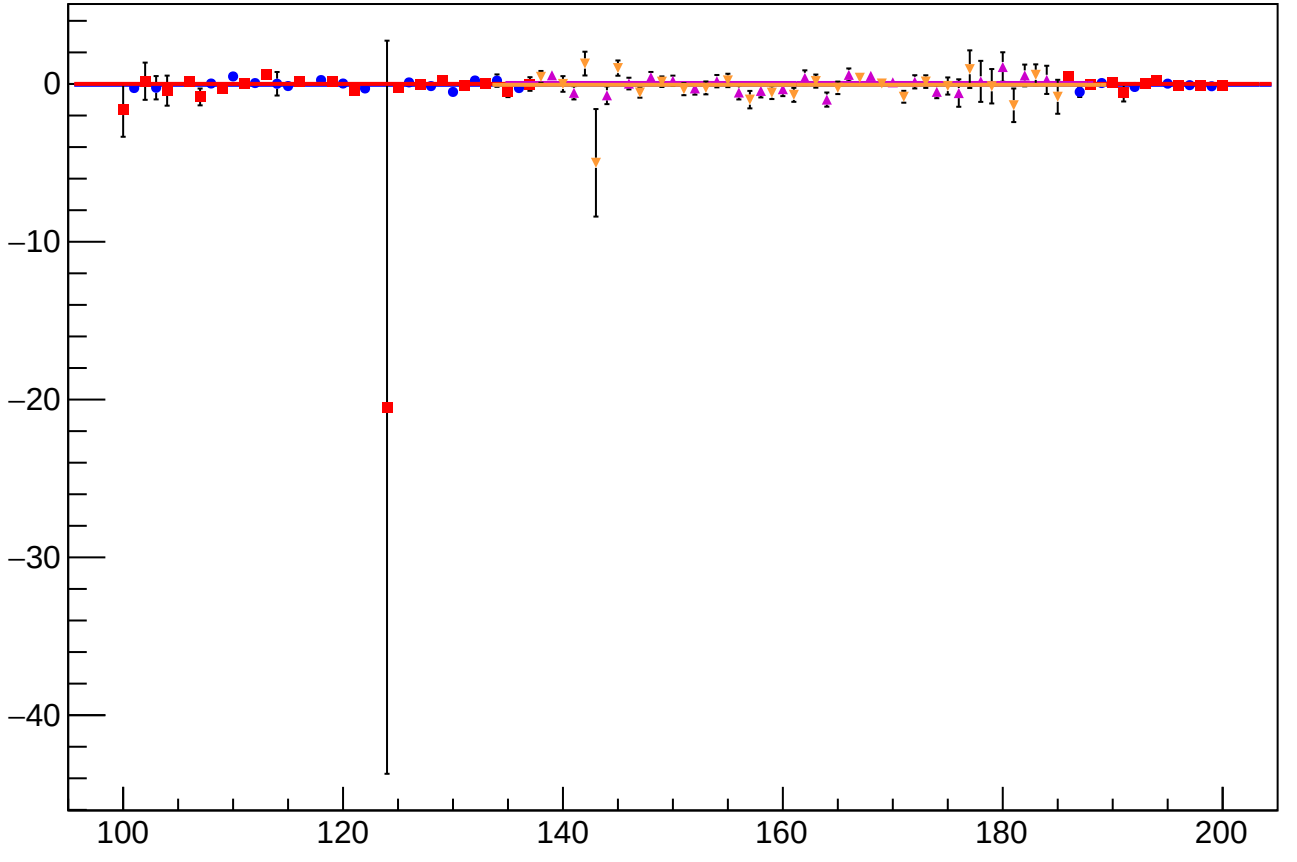
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15358969.7/45

All: 0.006+/-0.000 χ^2/NDF: 42163374.9/95

- sign 0.005+/-0.000 χ^2/NDF: 25178069.4/49

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.005+/-0.040 χ^2/NDF: 29.4/27

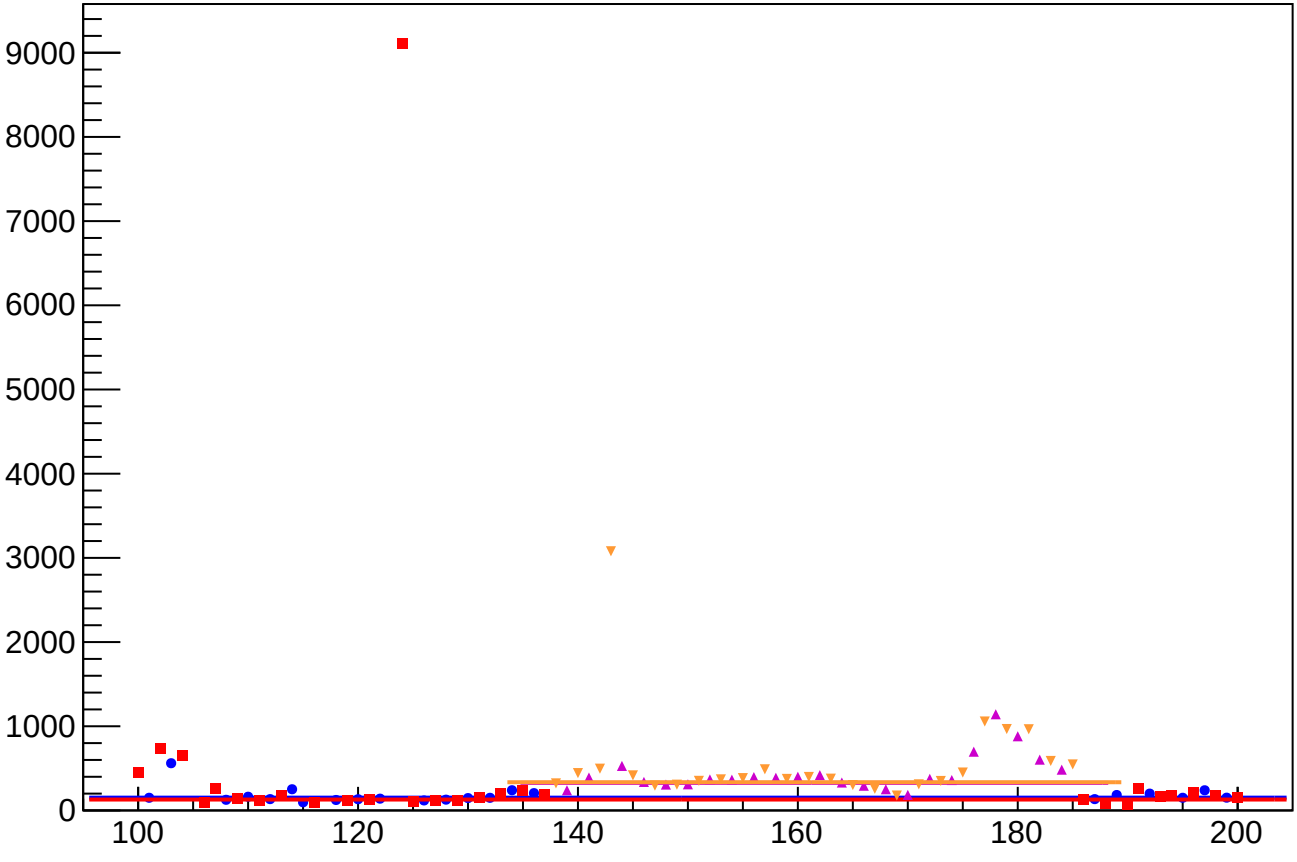
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.014+/-0.027 χ^2/NDF: 113.0/97

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

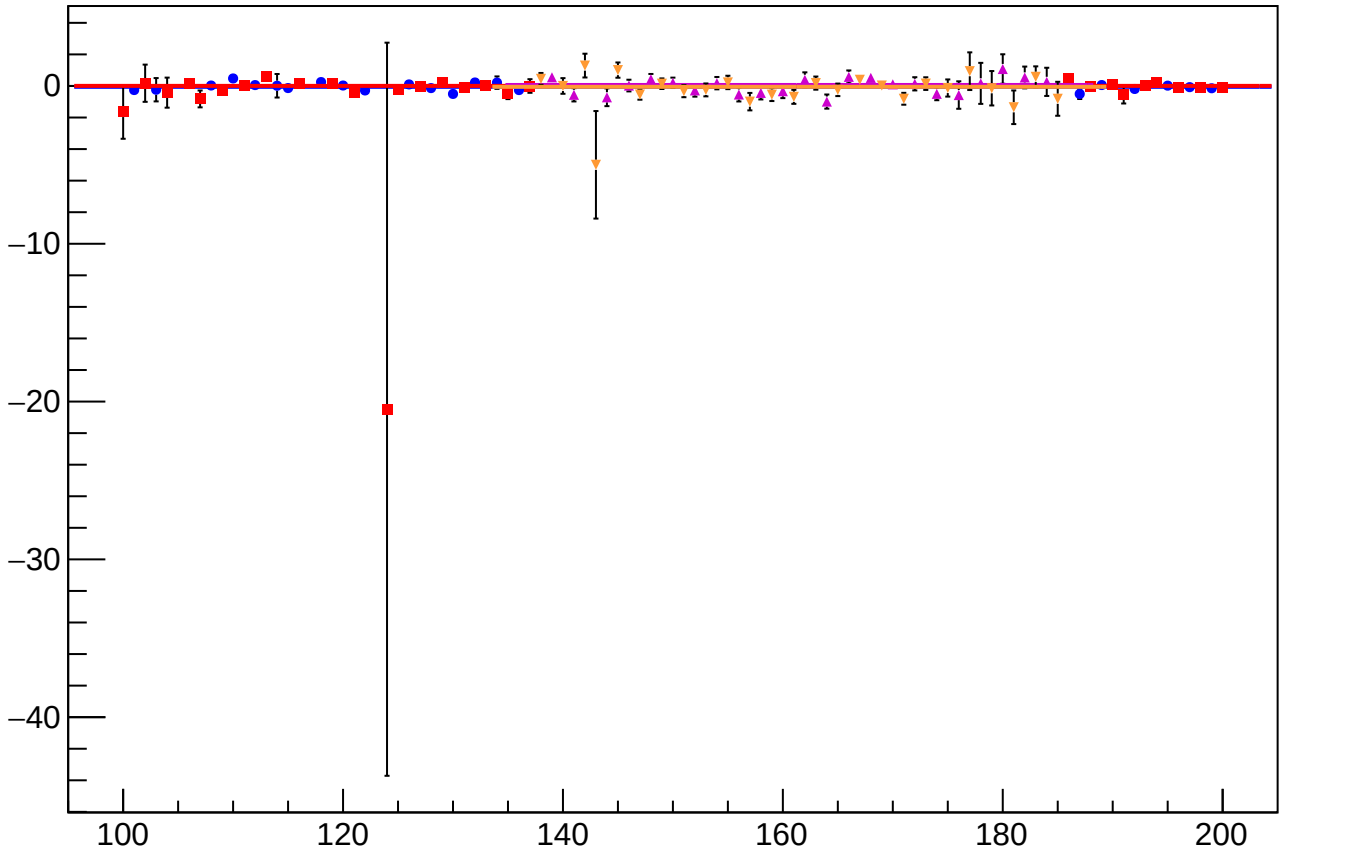
Right Out: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 197.085+/-0.030 χ^2/NDF: 14403060.5/46

All: 179.966+/-0.019 χ^2/NDF: 32077546.7/97

- sign 167.291+/-0.026 χ^2/NDF: 17093895.8/50



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.005+/-0.040 χ^2/NDF: 29.4/27

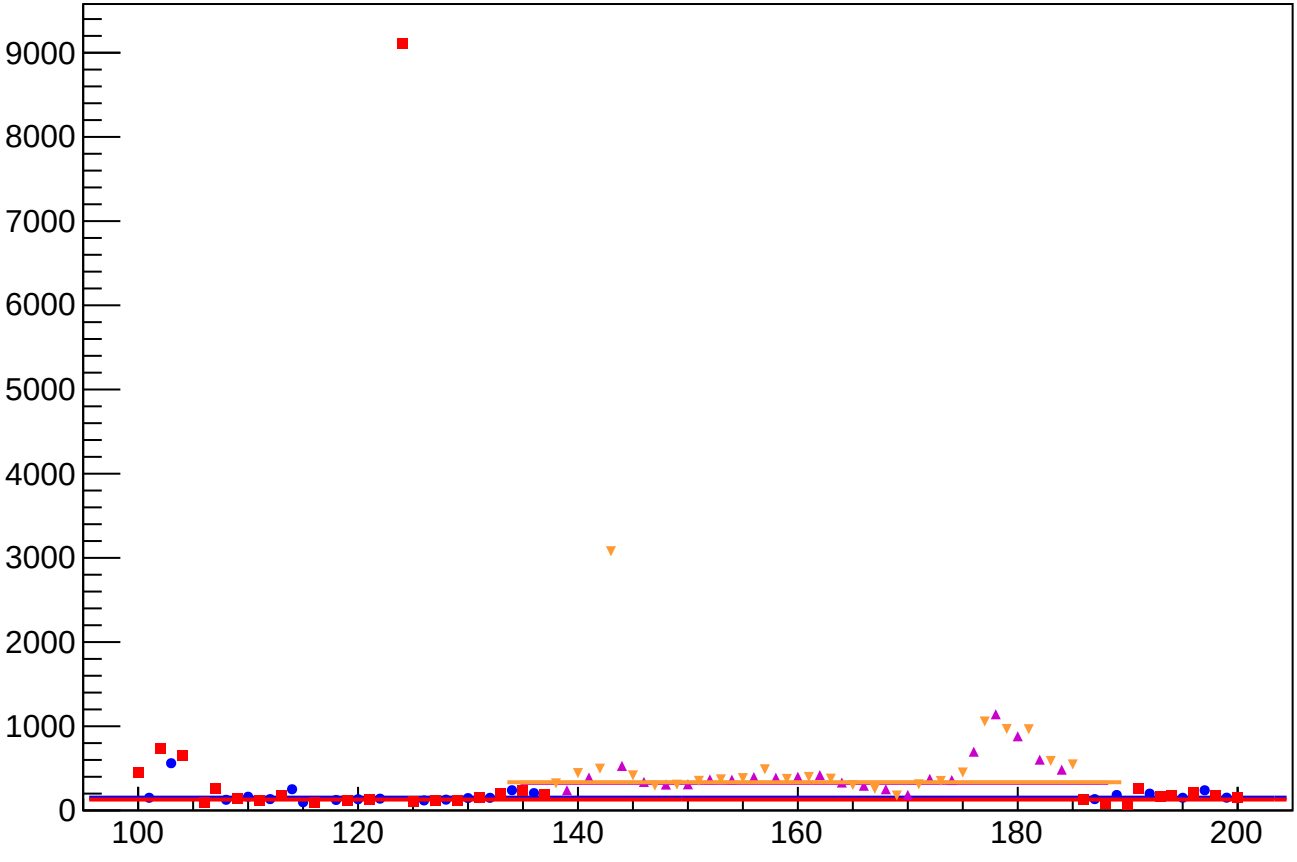
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.014+/-0.027 χ^2/NDF: 113.0/97

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

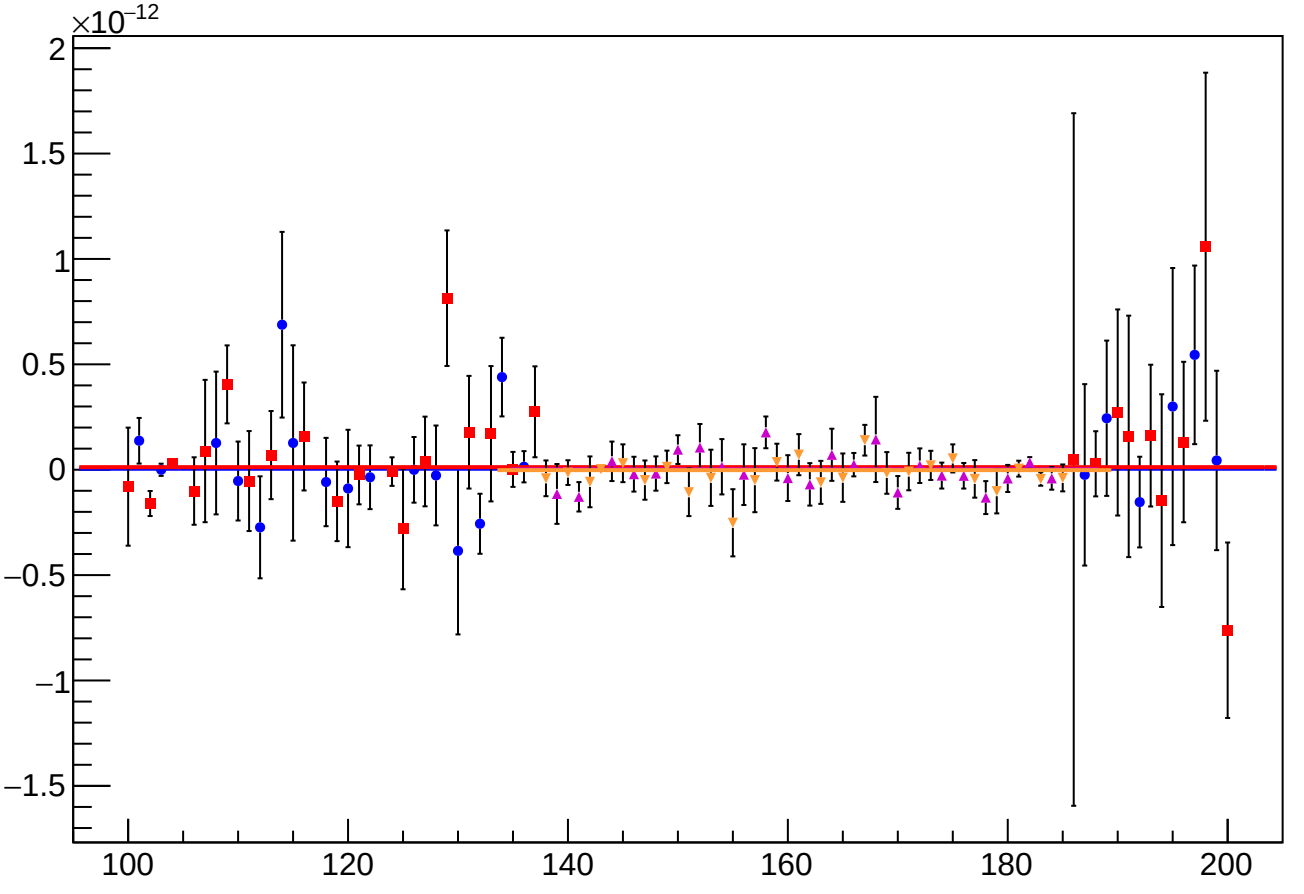
Right Out: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 197.085+/-0.030 χ^2/NDF: 14403060.5/46

All: 179.966+/-0.019 χ^2/NDF: 32077546.7/97

- sign 167.291+/-0.026 χ^2/NDF: 17093895.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/27

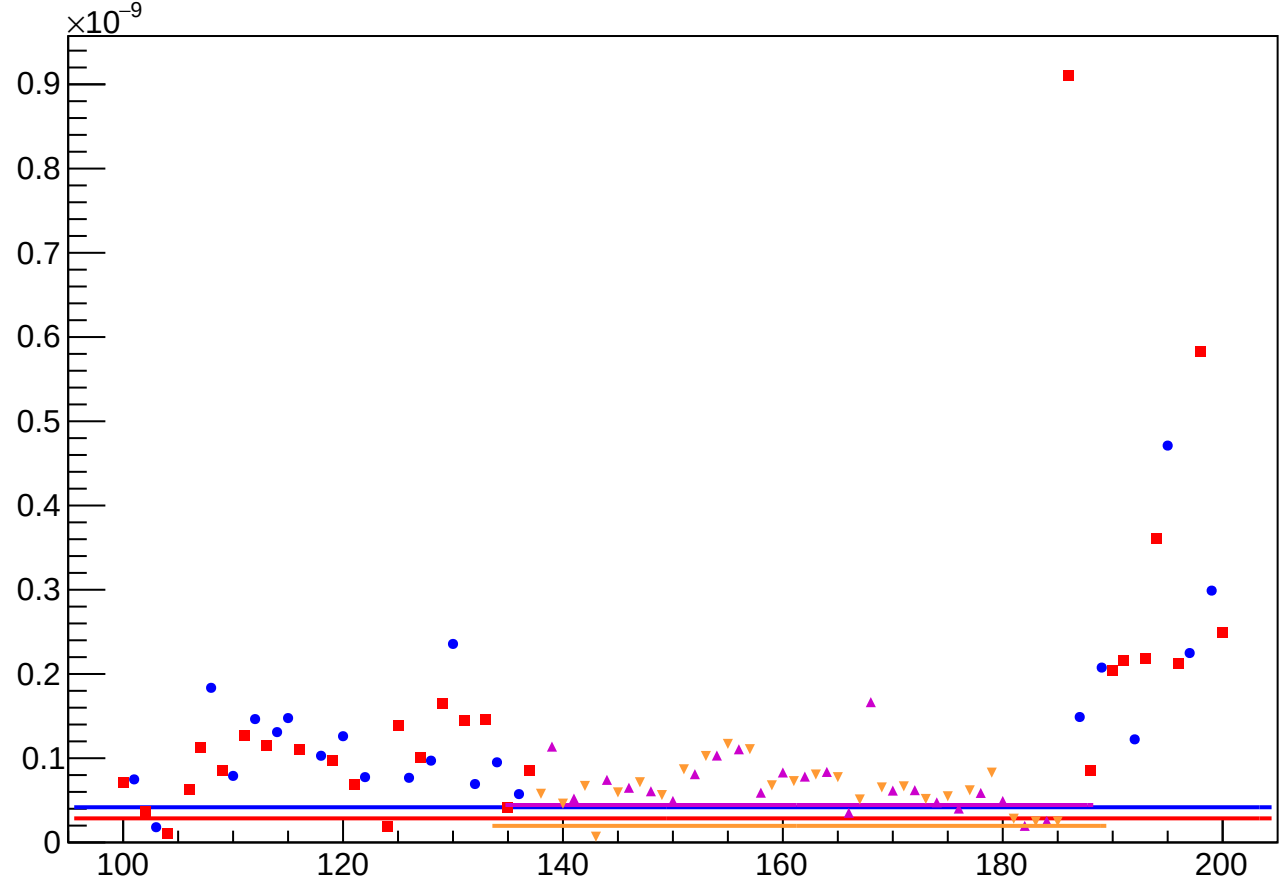
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/46

All: 0.000+/-0.000 χ^2/NDF: 86.0/97

- sign 0.000+/-0.000 χ^2/NDF: 53.6/50

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6765518.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9523412.1/27

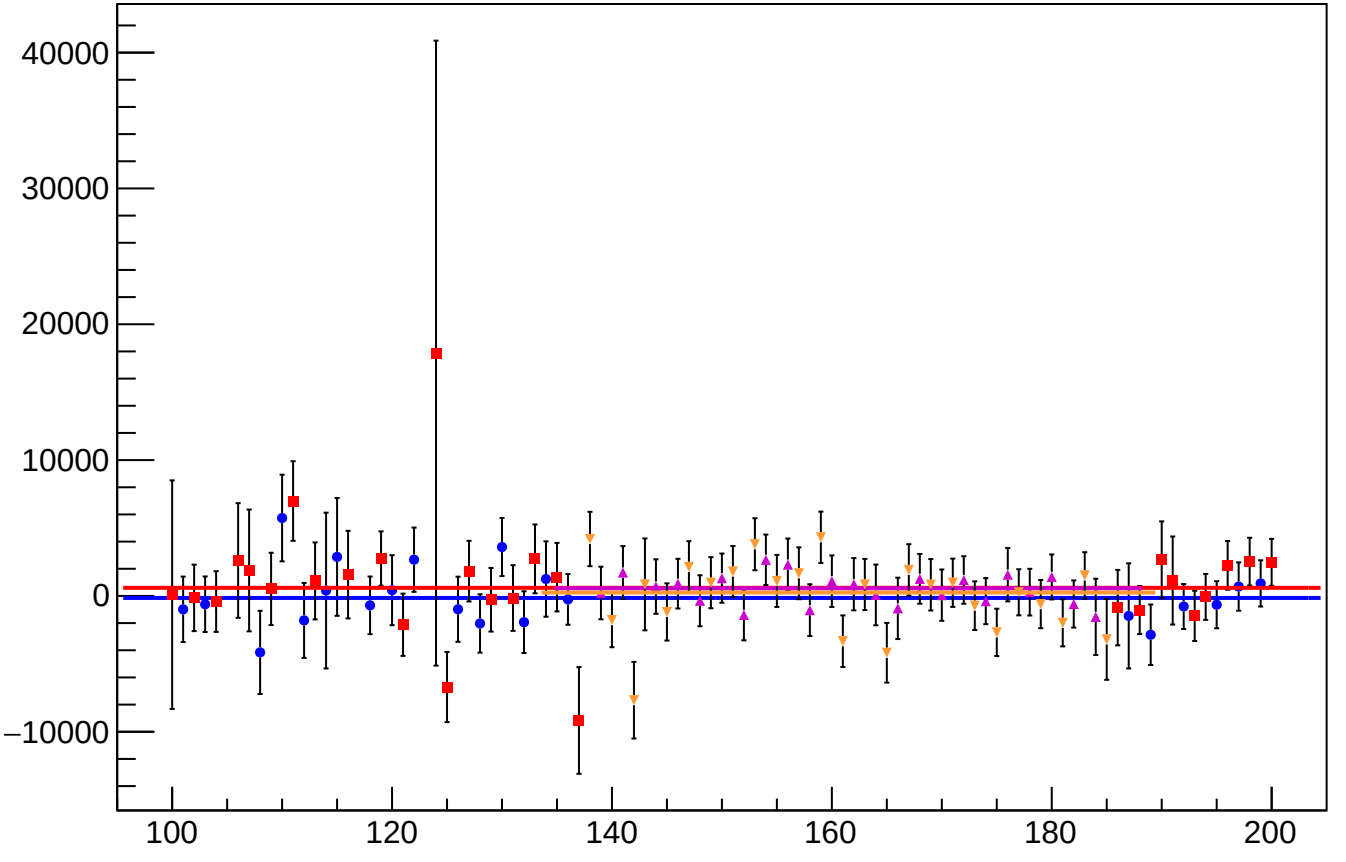
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 23213443.1/46

All: 0.000+/-0.000 χ^2/NDF: 42472112.5/97

- sign 0.000+/-0.000 χ^2/NDF: 16384510.0/50

reg_asym_atl_dd_mean vs Slug



Right In: -147.975+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 597.383+/-457.724 χ^2/NDF: 30.5/27

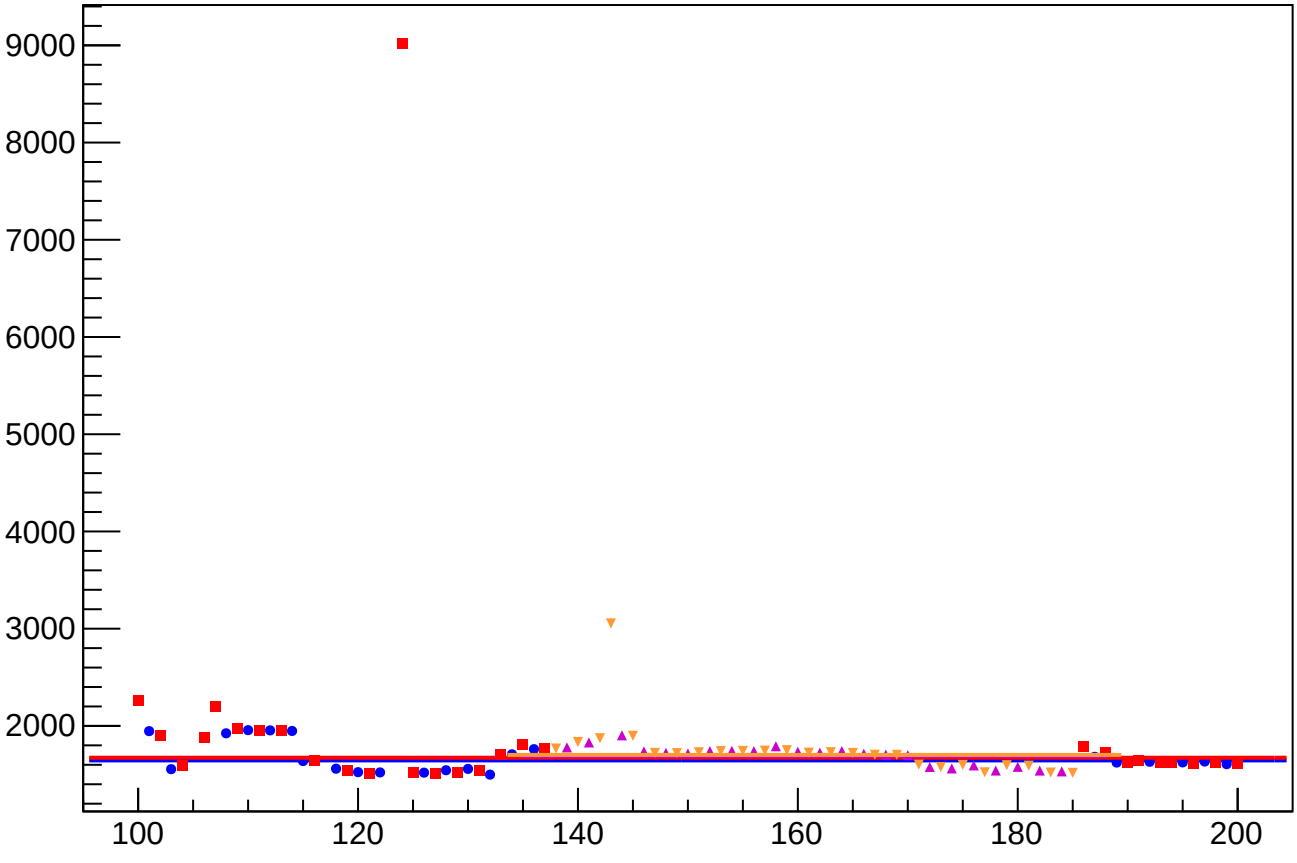
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 93.699+/-303.676 χ^2/NDF: 54.9/46

All: 338.495+/-213.092 χ^2/NDF: 94.2/97

- sign 575.959+/-299.093 χ^2/NDF: 38.0/50

reg_asym_atl_dd_rms vs Slug



Right In: 1645.213+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1672.621+/-0.323 χ^2/NDF: 403759.2/27

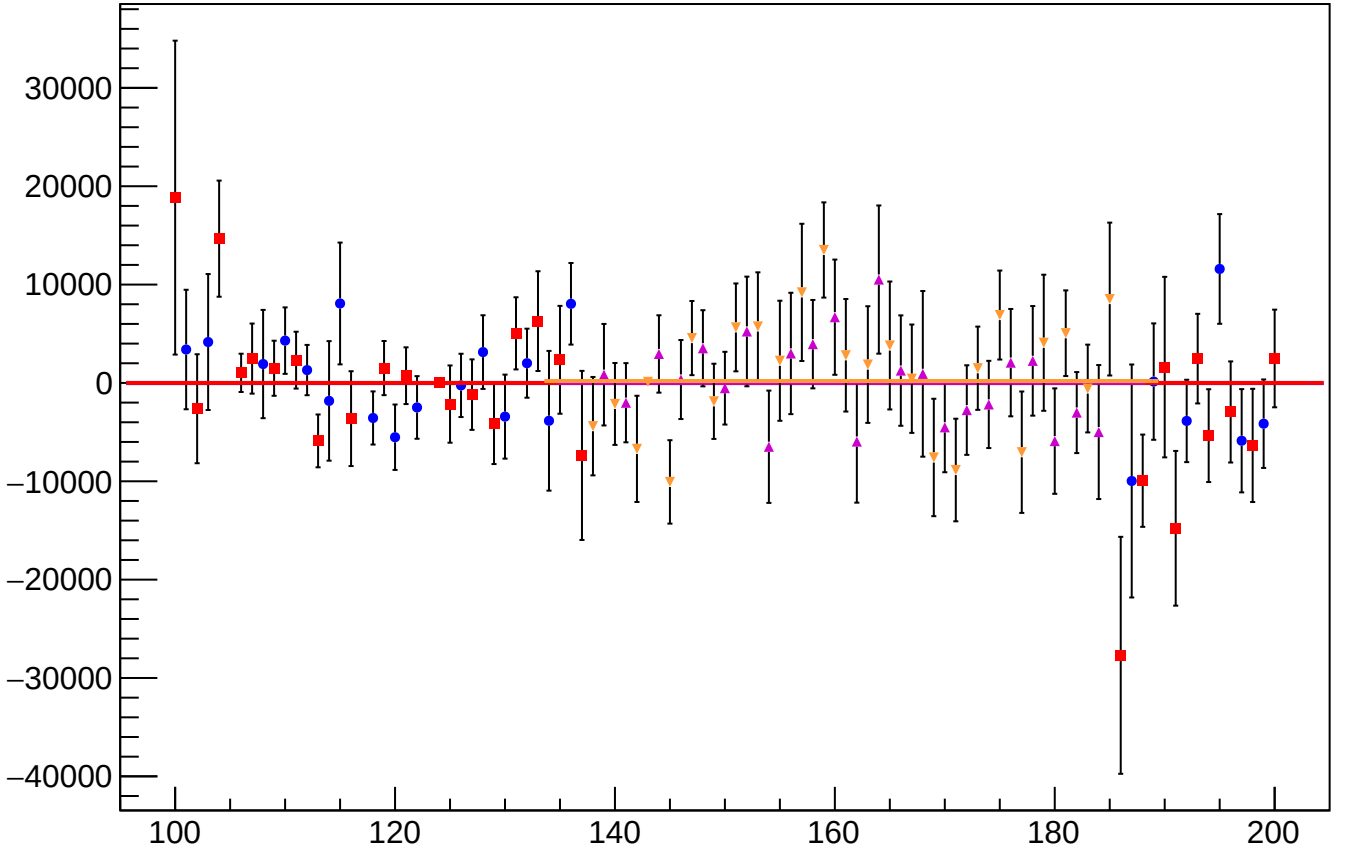
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.8/46

All: 1680.886+/-0.151 χ^2/NDF: 1143079.4/97

- sign 1682.135+/-0.211 χ^2/NDF: 527595.6/50

asym_atl_dd_reg_correction_mean vs Slug



Right In: -15.079+/-879.370 χ^2/NDF: 23.3/21

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 1.192+/-319.034 χ^2/NDF: 37.7/27

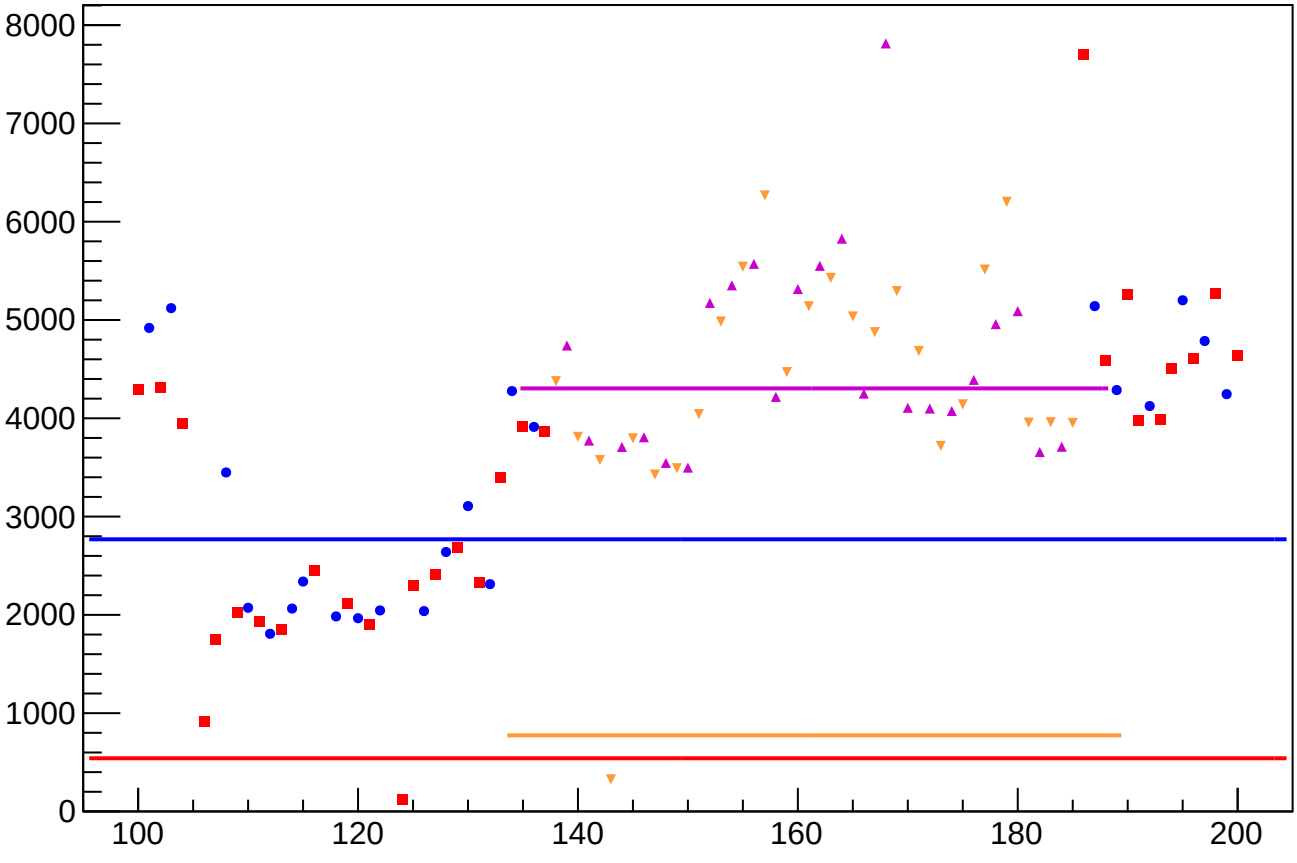
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 165.941+/-319.658 χ^2/NDF: 57.2/46

All: 80.877+/-220.528 χ^2/NDF: 108.4/97

- sign 3.622+/-304.632 χ^2/NDF: 51.0/50

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2768.860+/-0.622 χ^2/NDF: 3012258.5/21

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 541.027+/-0.226 χ^2/NDF: 20973027.4/27

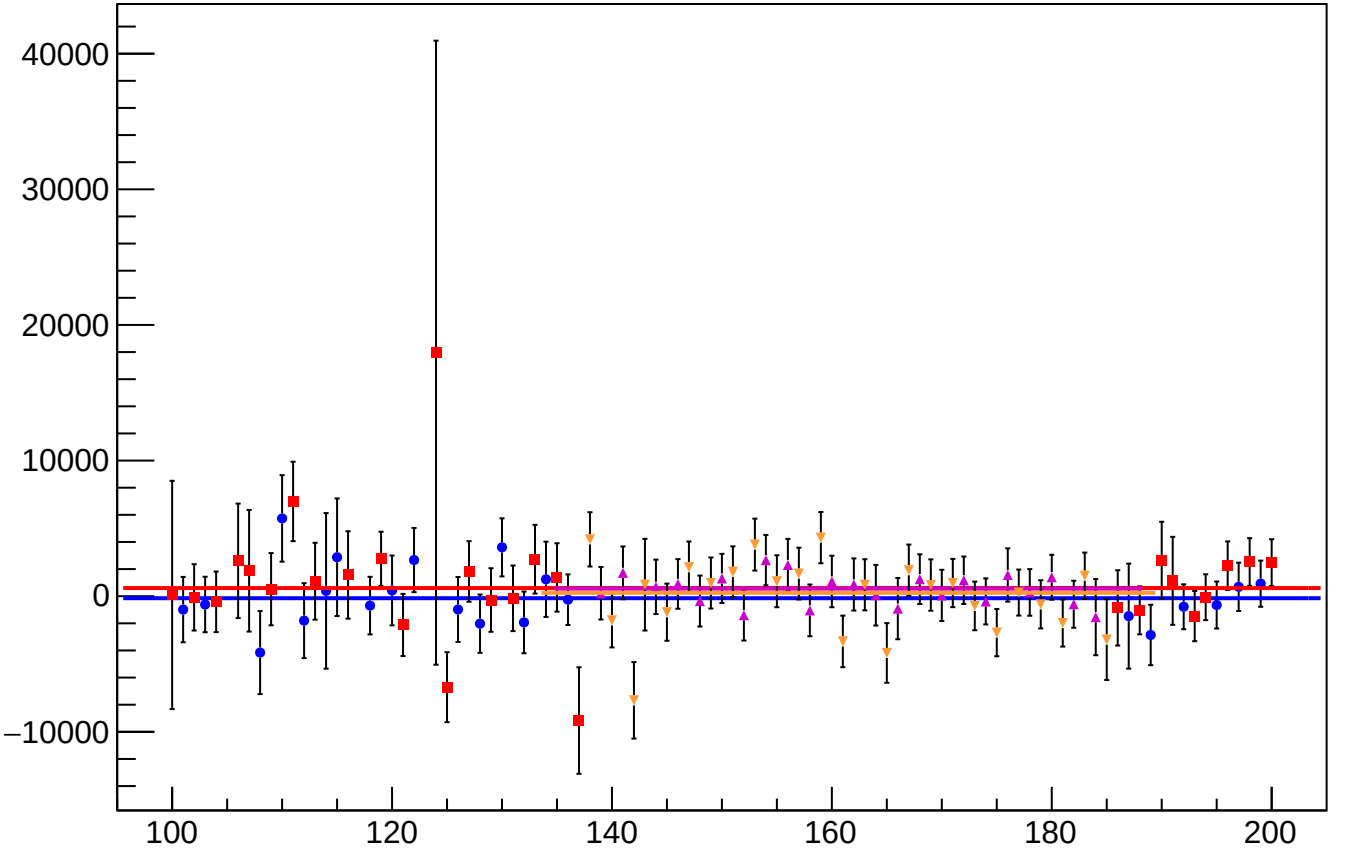
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1037.799+/-0.226 χ^2/NDF: 40028048.0/46

All: 951.485+/-0.156 χ^2/NDF: 87049559.9/97

- sign 873.095+/-0.215 χ^2/NDF: 46743257.6/50

cor_asym_atl_dd_mean vs Slug



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 599.619+/-457.727 χ^2/NDF: 30.5/27

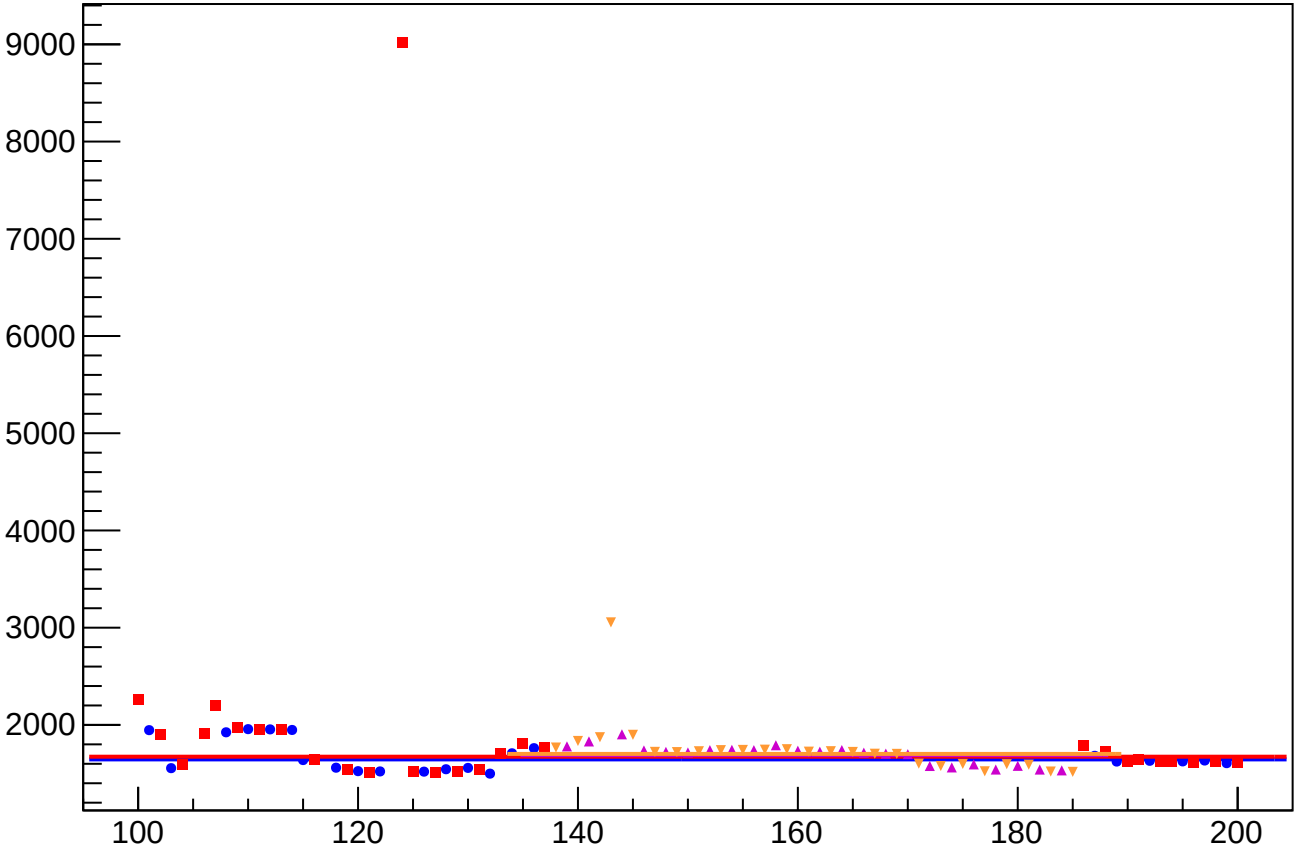
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 93.683+/-303.676 χ^2/NDF: 54.9/46

All: 338.961+/-213.093 χ^2/NDF: 94.2/97

- sign 576.893+/-299.094 χ^2/NDF: 38.0/50

cor_asym_atl_dd_rms vs Slug



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

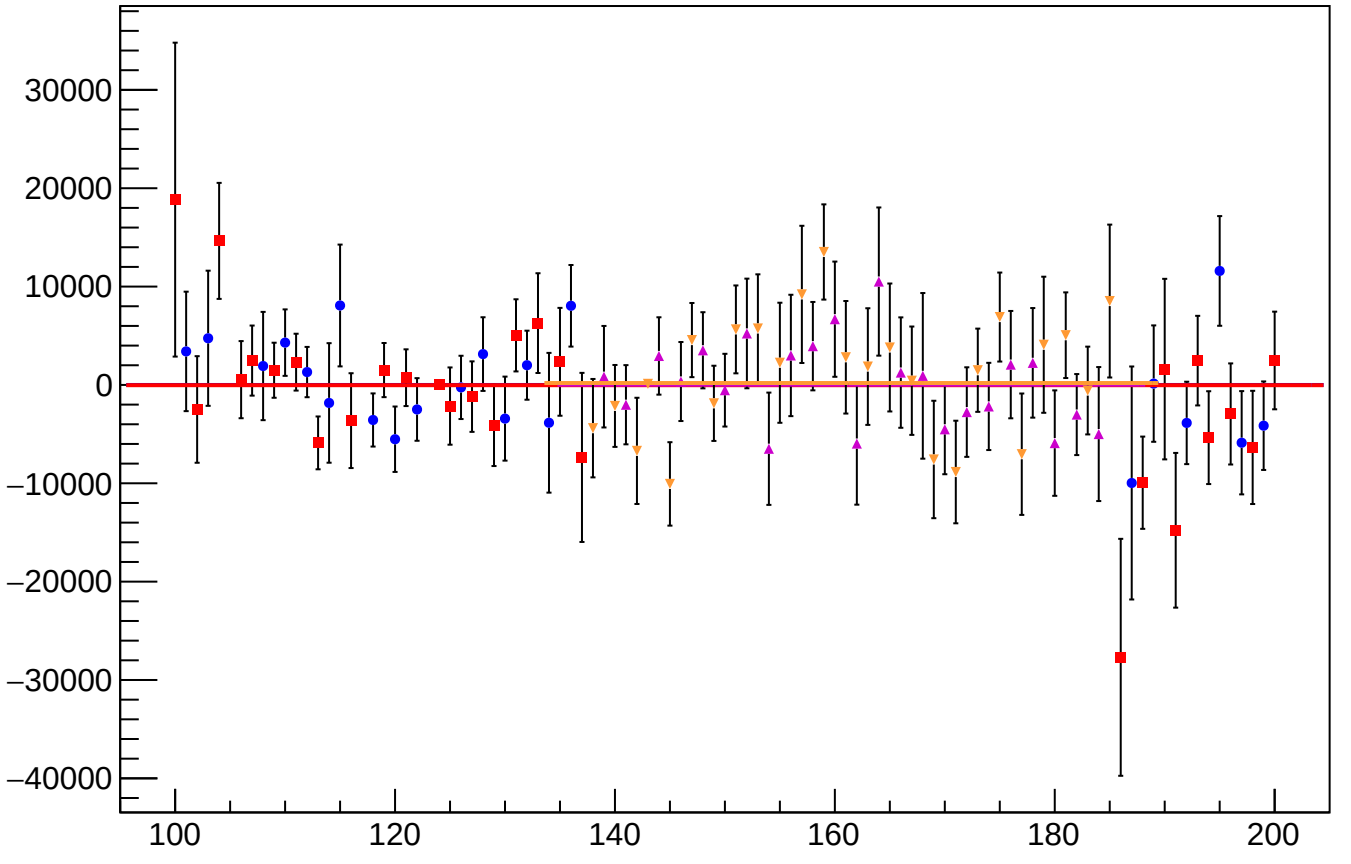
Right Out: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.9/46

All: 1680.975+/-0.151 χ^2/NDF: 1144957.1/97

- sign 1682.310+/-0.211 χ^2/NDF: 529463.1/50



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

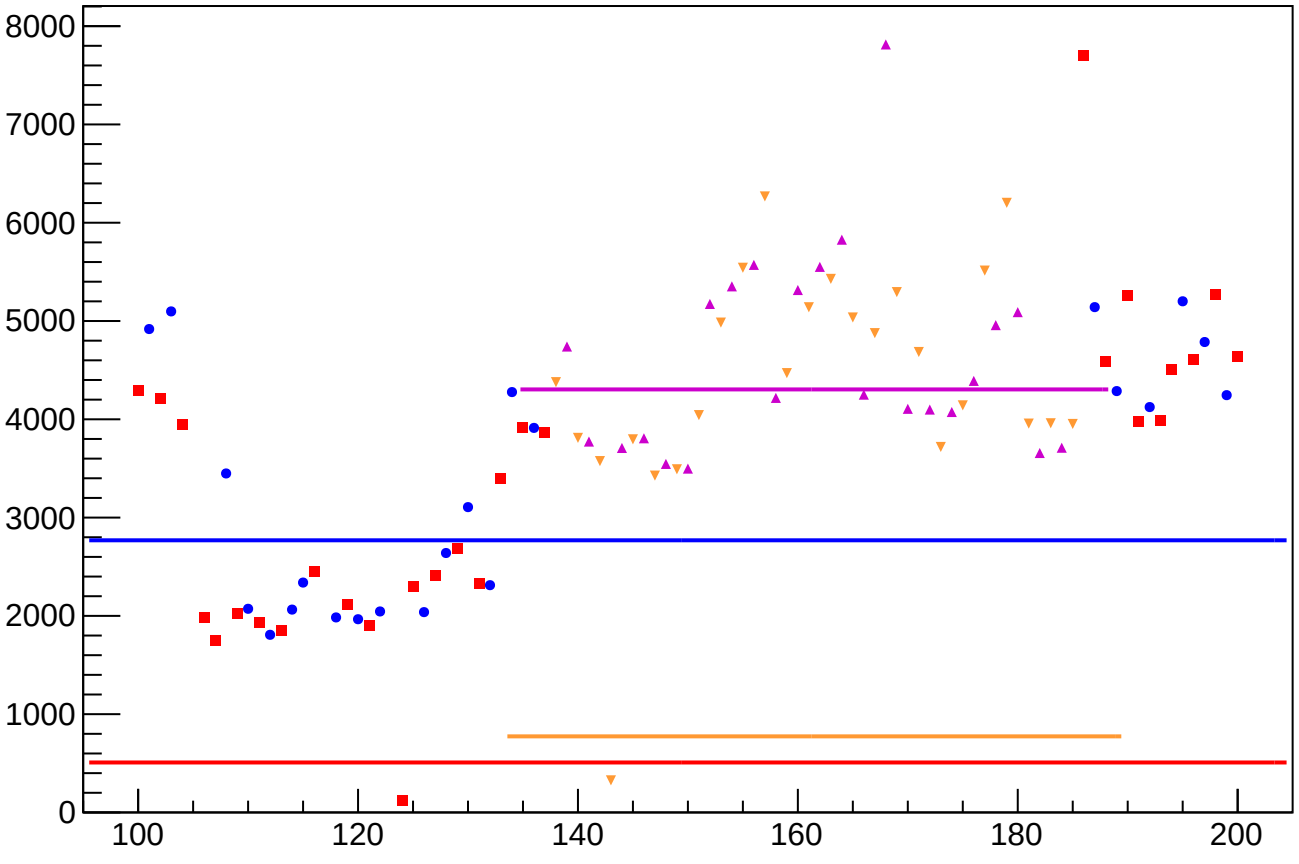
Right Out: -25.364+/-311.408 χ^2/NDF: 37.4/27

Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 167.701+/-319.634 χ^2/NDF: 57.4/46

All: 66.851+/-217.954 χ^2/NDF: 108.3/97

- sign -20.794+/-297.972 χ^2/NDF: 50.7/50



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

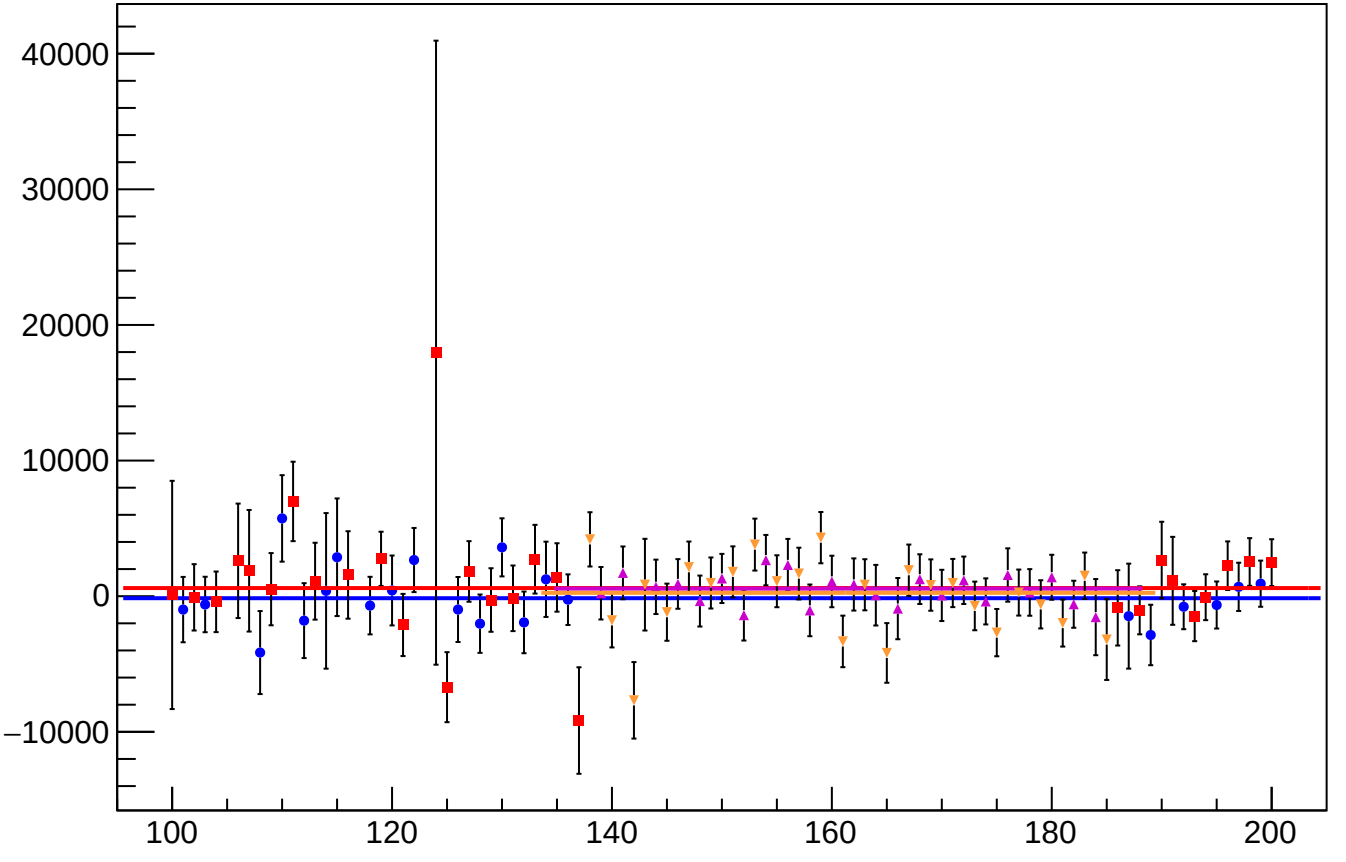
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1037.746+/-0.226 χ^2/NDF: 40030227.1/46

All: 926.014+/-0.154 χ^2/NDF: 88247190.2/97

- sign 828.913+/-0.211 χ^2/NDF: 47760190.8/50

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 599.619+/-457.727 χ^2/NDF: 30.5/27

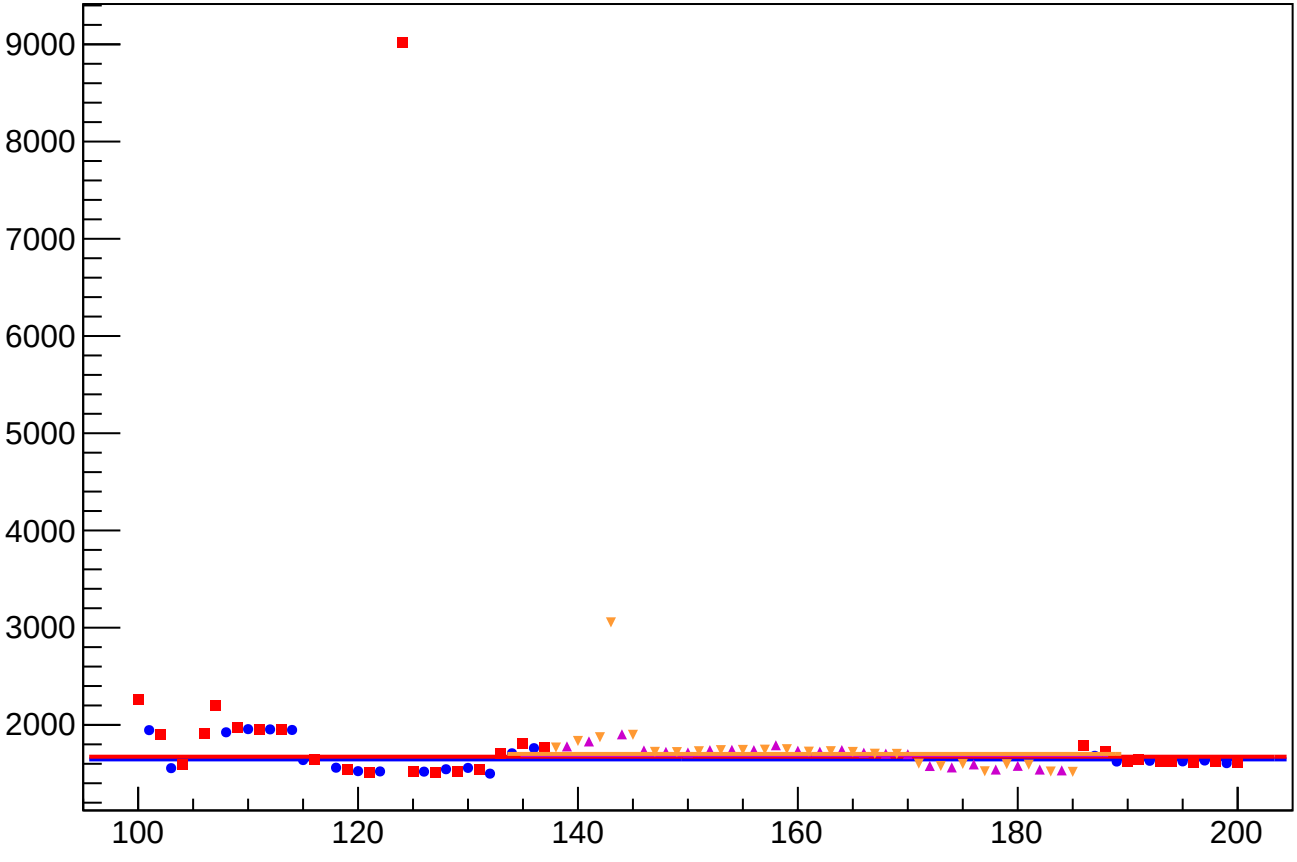
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 93.683+/-303.676 χ^2/NDF: 54.9/46

All: 338.961+/-213.093 χ^2/NDF: 94.2/97

- sign 576.893+/-299.094 χ^2/NDF: 38.0/50

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

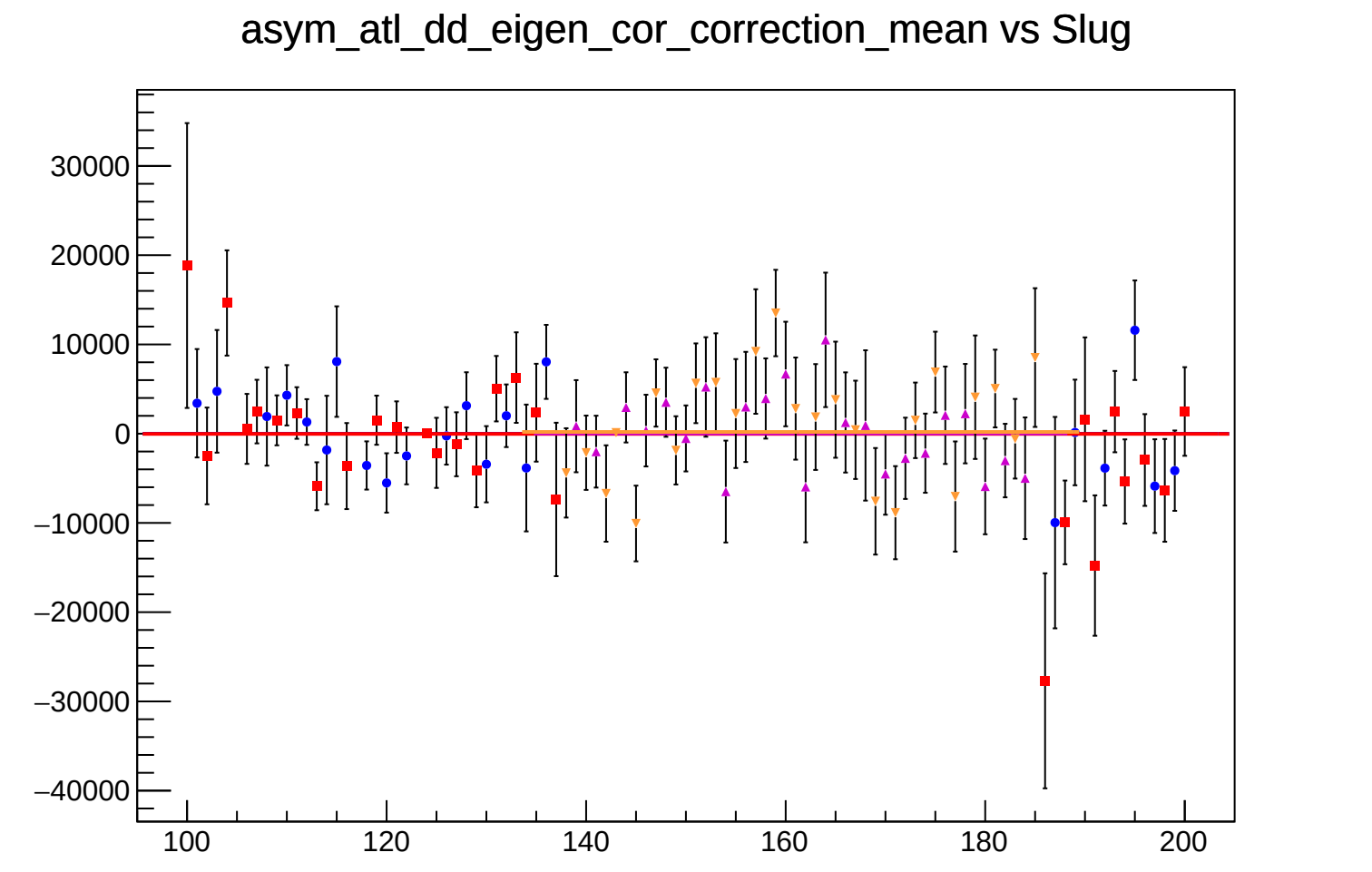
Right Out: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.9/46

All: 1680.975+/-0.151 χ^2/NDF: 1144957.1/97

- sign 1682.310+/-0.211 χ^2/NDF: 529463.1/50



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -25.364+/-311.408 χ^2/NDF: 37.4/27

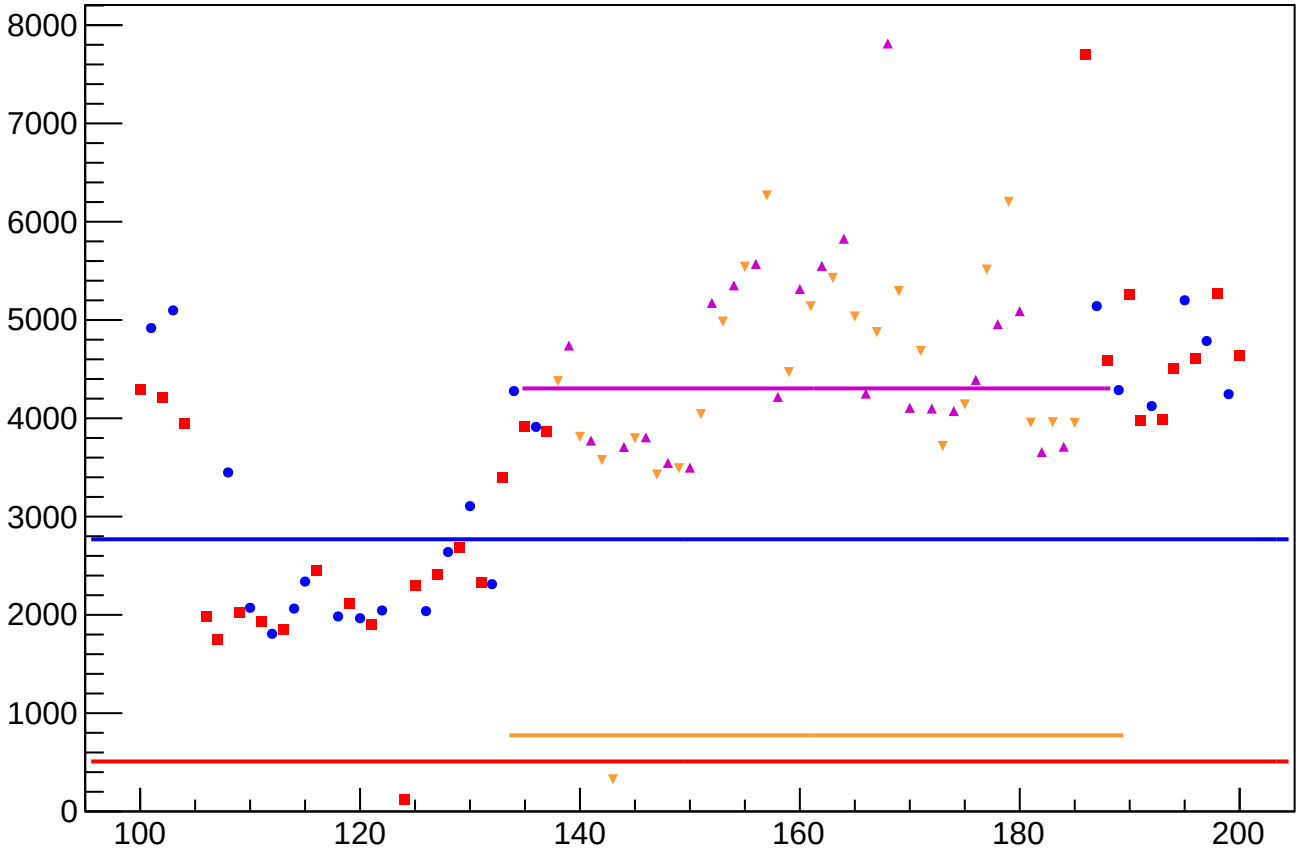
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 167.701+/-319.634 χ^2/NDF: 57.4/46

All: 66.851+/-217.954 χ^2/NDF: 108.3/97

- sign -20.794+/-297.972 χ^2/NDF: 50.7/50

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

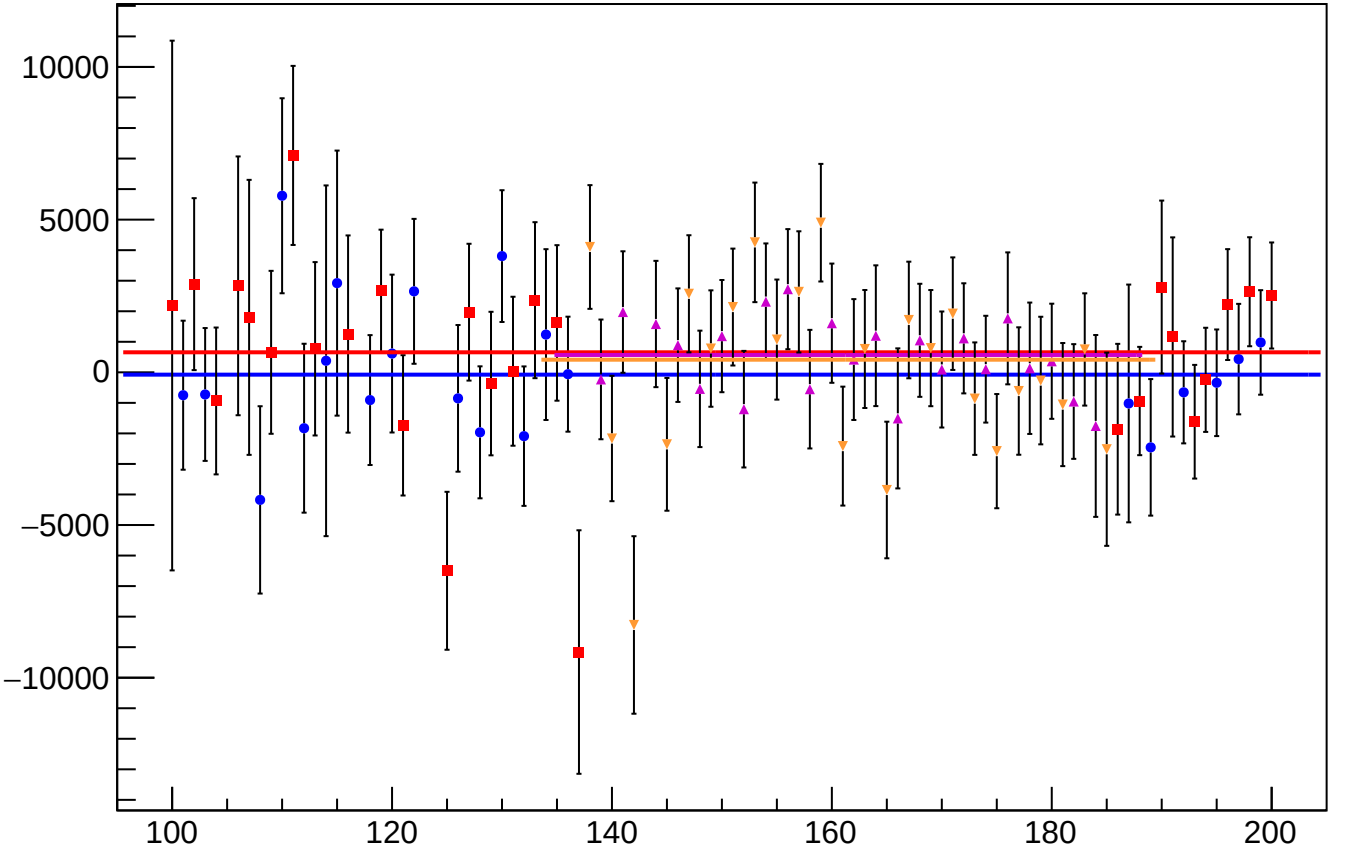
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1037.746+/-0.226 χ^2/NDF: 40030227.1/46

All: 926.014+/-0.154 χ^2/NDF: 88247190.2/9

- sign 828.913+/-0.211 χ^2/NDF: 47760190.8/50

dit_asym_atl_dd_mean vs Slug



Right In: -76.045+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 655.845+/-463.848 χ^2/NDF: 30.4/26

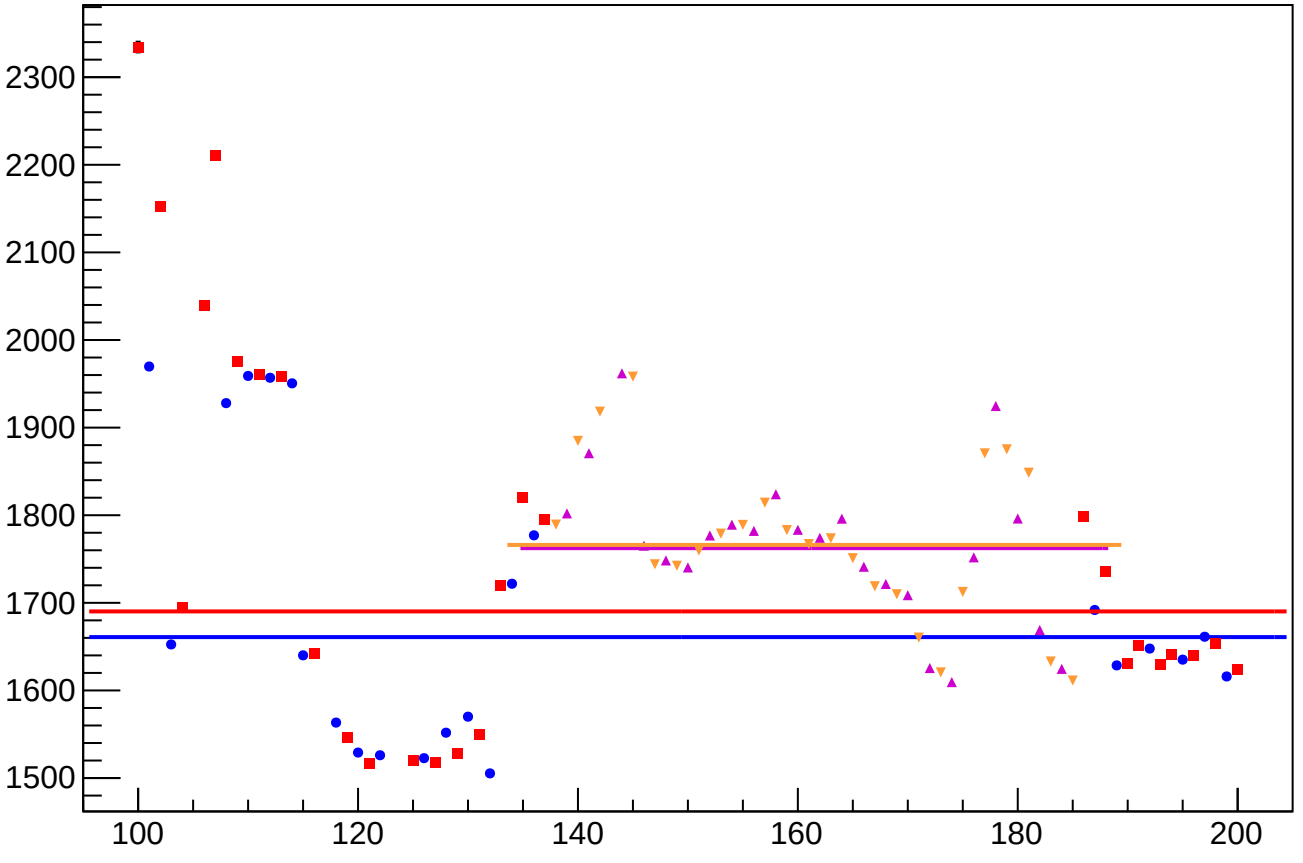
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 211.920+/-314.926 χ^2/NDF: 55.2/45

All: 413.921+/-220.218 χ^2/NDF: 94.2/95

\- sign 607.206+/-308.056 χ^2/NDF: 38.2/49

dit_asym_atl_dd_rms vs Slug



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.6/21

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1690.197+/-0.328 χ^2/NDF: 245924.7/26

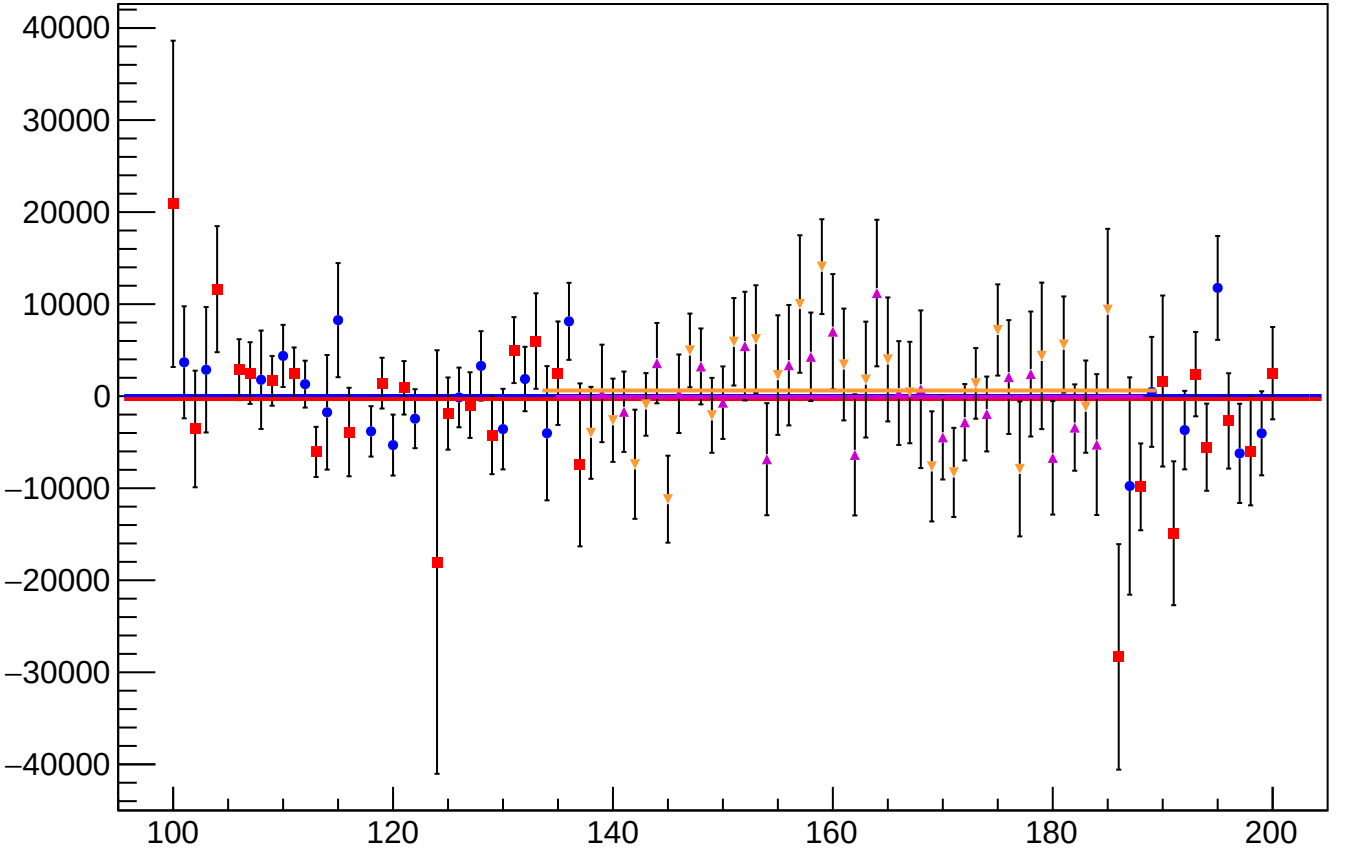
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1722.810+/-0.223 χ^2/NDF: 281520.3/45

All: 1726.749+/-0.156 χ^2/NDF: 635273.5/95

- sign 1730.514+/-0.218 χ^2/NDF: 353141.2/49

asym_atl_dd_dit_correction_mean vs Slug



Right In: 16.632+/-884.399 χ^2/NDF: 23.2/21

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -310.041+/-801.309 χ^2/NDF: 35.5/27

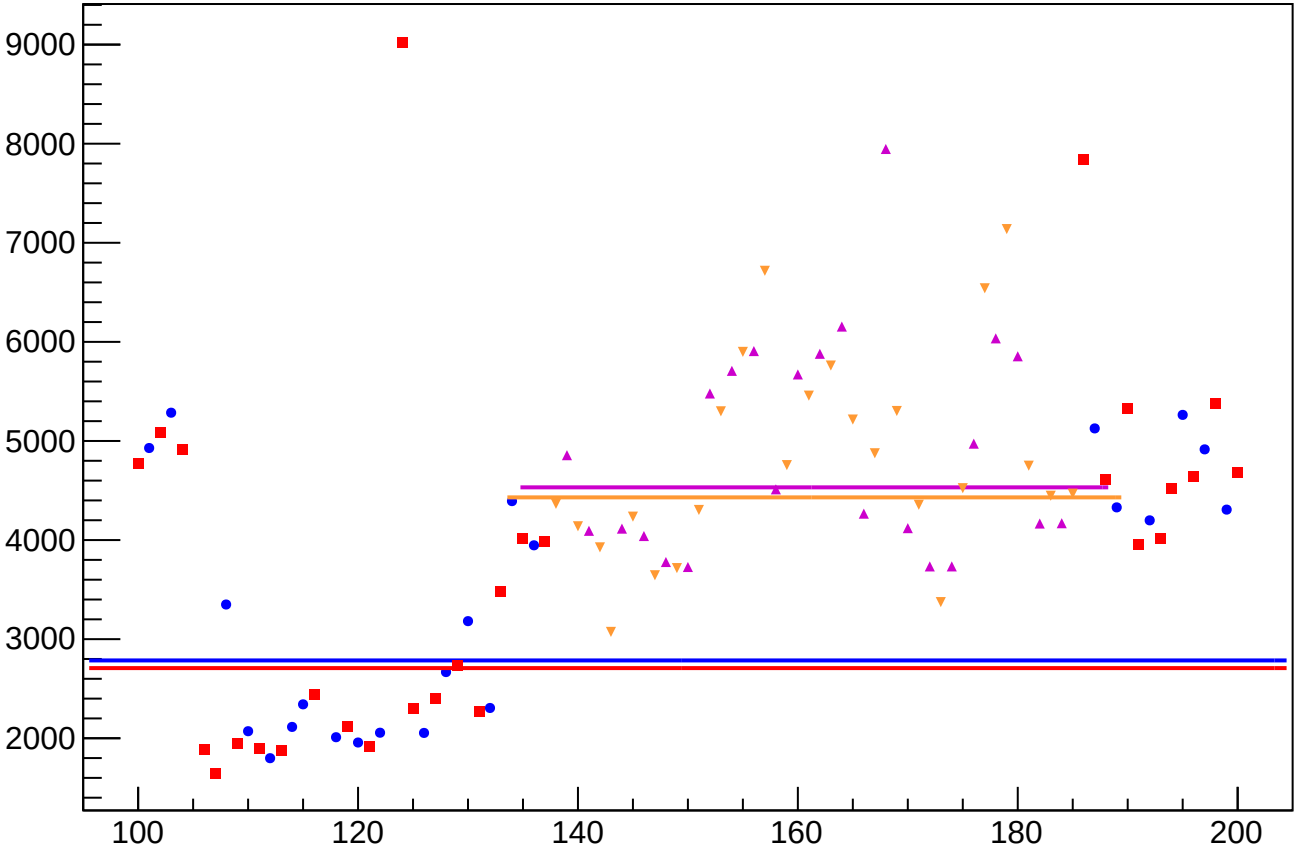
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 271.217+/-672.272 χ^2/NDF: 56.5/46

All: 9.576+/-465.071 χ^2/NDF: 105.2/97

- sign -230.561+/-644.054 χ^2/NDF: 48.5/50

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2785.339+/-0.625 χ^2/NDF: 3113156.8/21

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2707.903+/-0.567 χ^2/NDF: 4348084.3/27

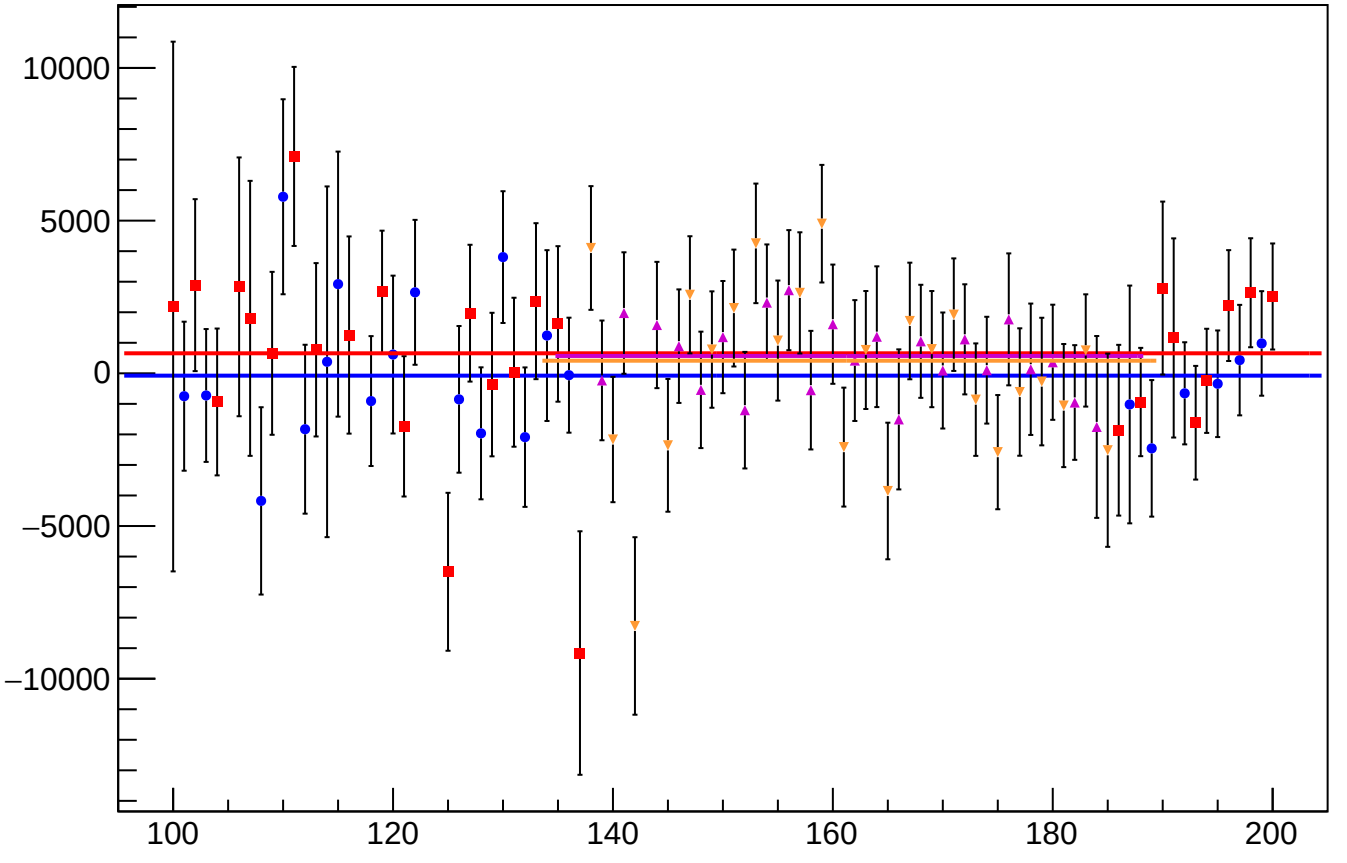
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3480.016+/-0.475 χ^2/NDF: 7649256.3/46

All: 3414.090+/-0.329 χ^2/NDF: 17079137.6/9

- sign 3353.582+/-0.455 χ^2/NDF: 9392995.0/50

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -76.044+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 655.845+/-463.848 χ^2/NDF: 30.4/26

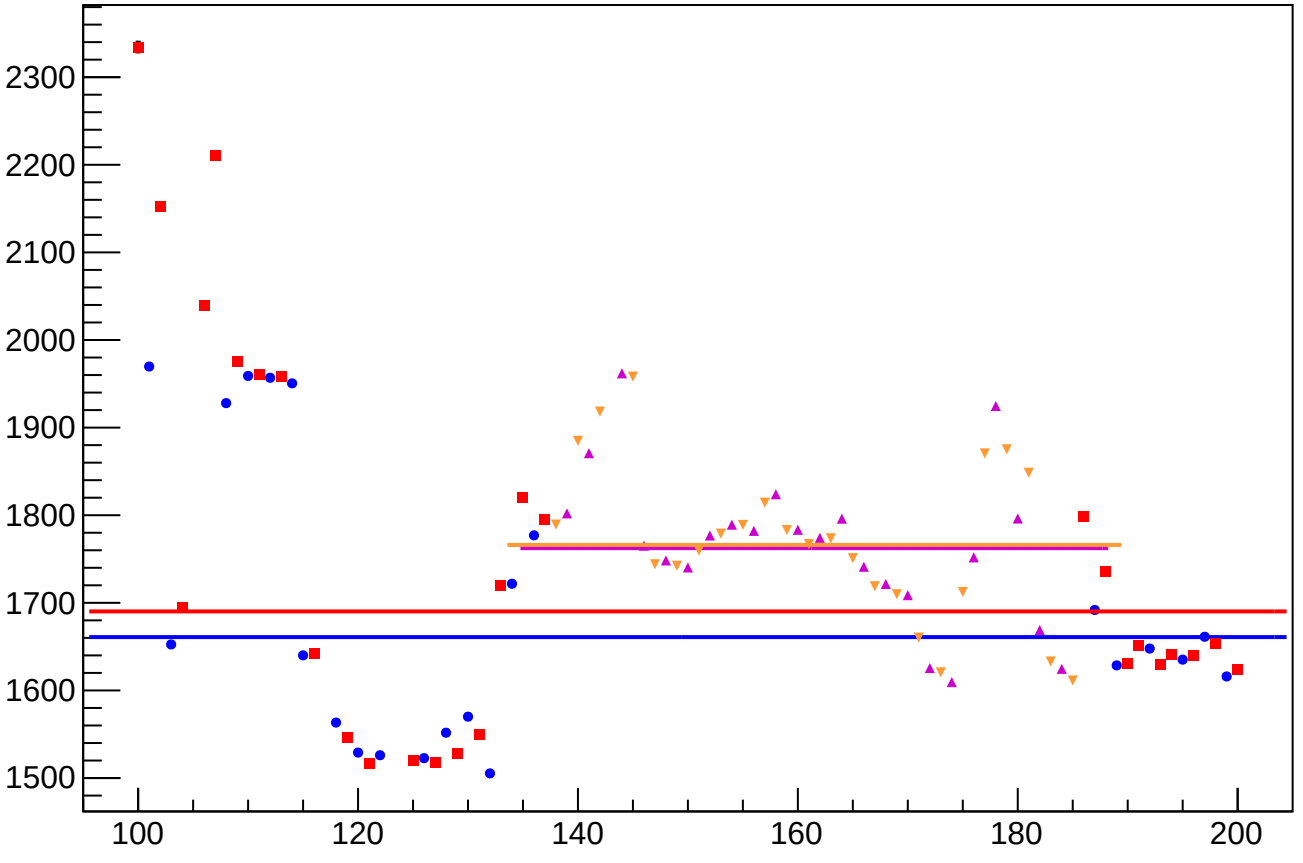
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 211.921+/-314.927 χ^2/NDF: 55.2/45

All: 413.922+/-220.218 χ^2/NDF: 94.2/95

- sign 607.205+/-308.057 χ^2/NDF: 38.2/49

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.7/21

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1690.197+/-0.328 χ^2/NDF: 245923.7/26

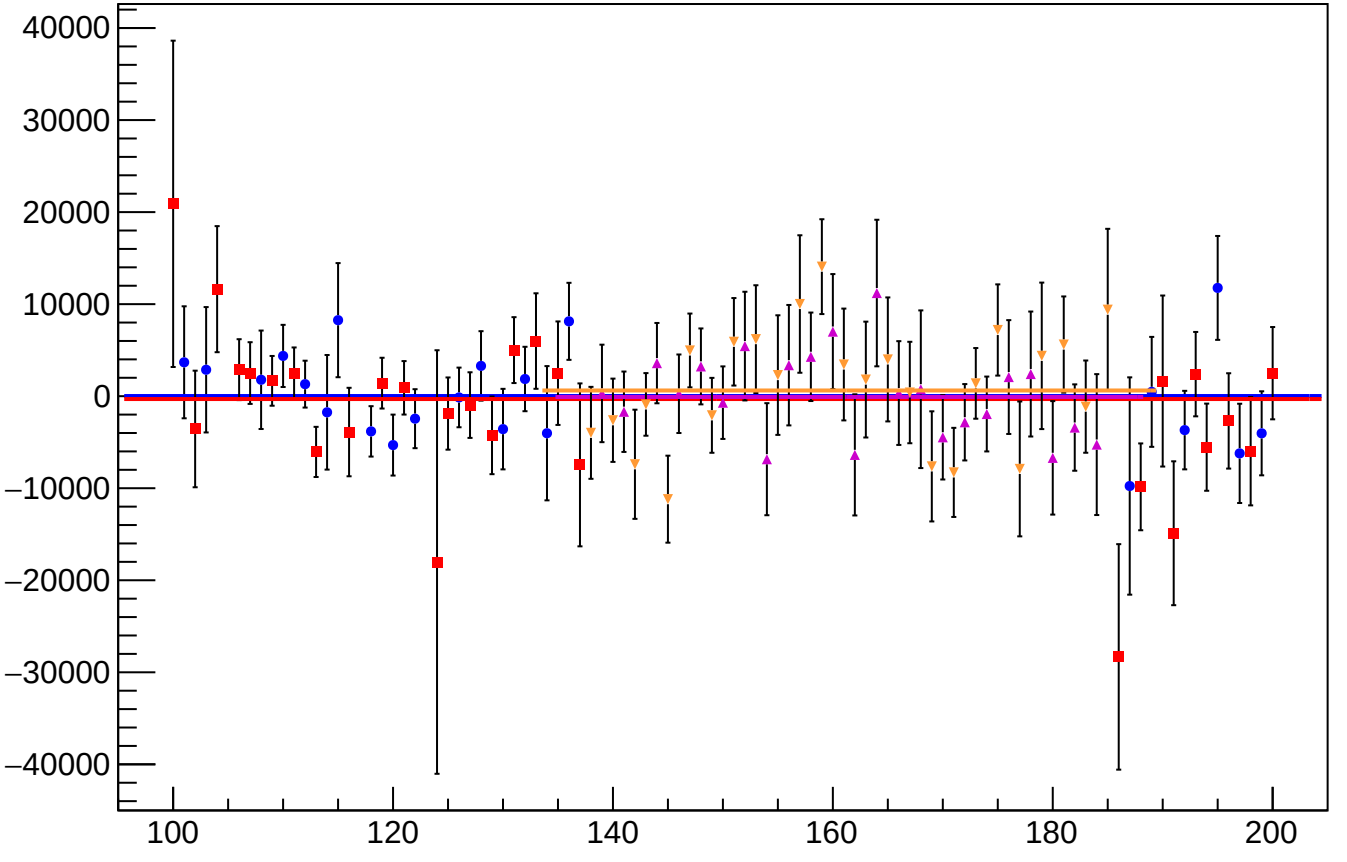
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1722.810+/-0.223 χ^2/NDF: 281524.3/45

All: 1726.749+/-0.156 χ^2/NDF: 635280.0/95

- sign 1730.514+/-0.218 χ^2/NDF: 353143.7/49

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 16.628+/-884.396 χ^2/NDF: 23.2/21

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -310.035+/-801.307 χ^2/NDF: 35.5/27

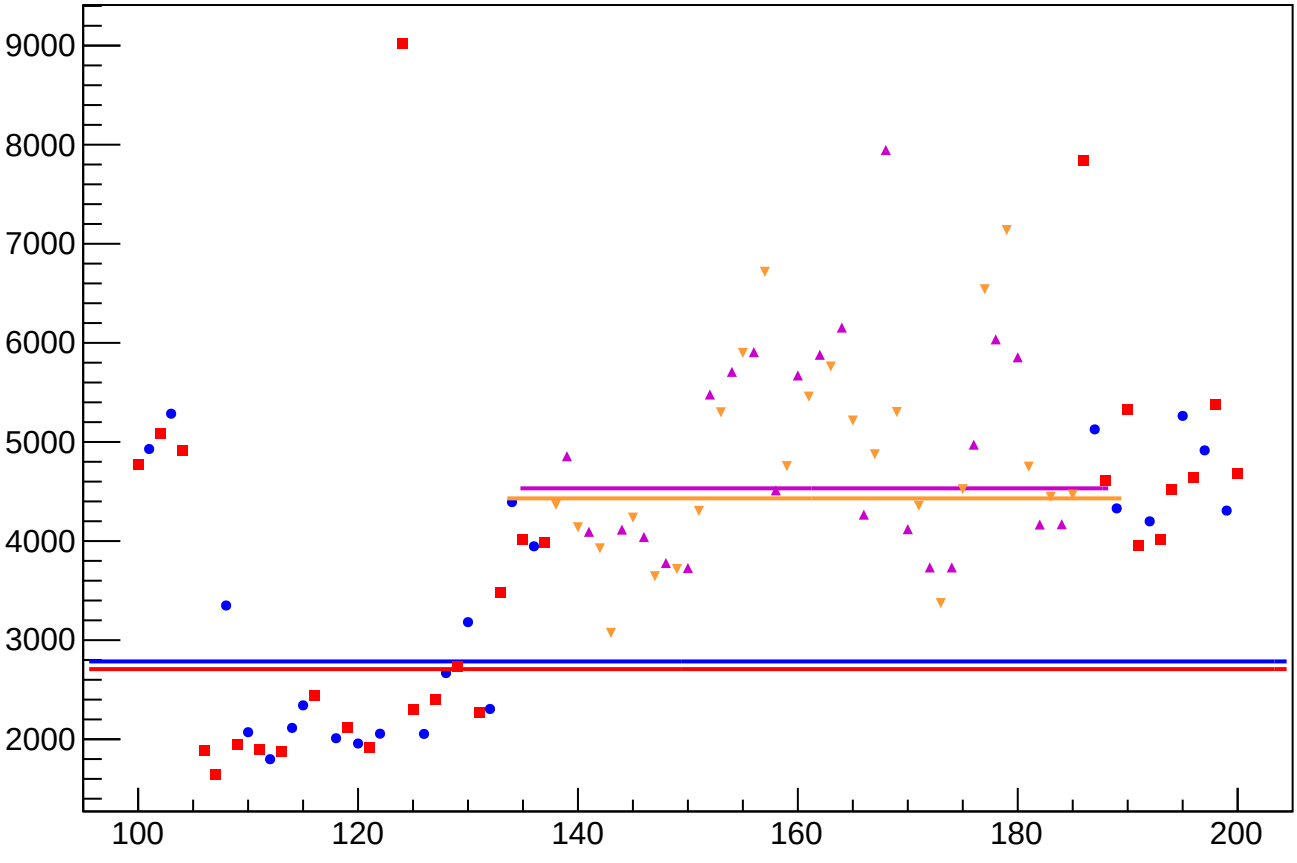
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 271.215+/-672.271 χ^2/NDF: 56.5/46

All: 9.577+/-465.070 χ^2/NDF: 105.2/97

- sign -230.558+/-644.053 χ^2/NDF: 48.5/50

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2785.328+/-0.625 χ^2/NDF: 3113194.1/21

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

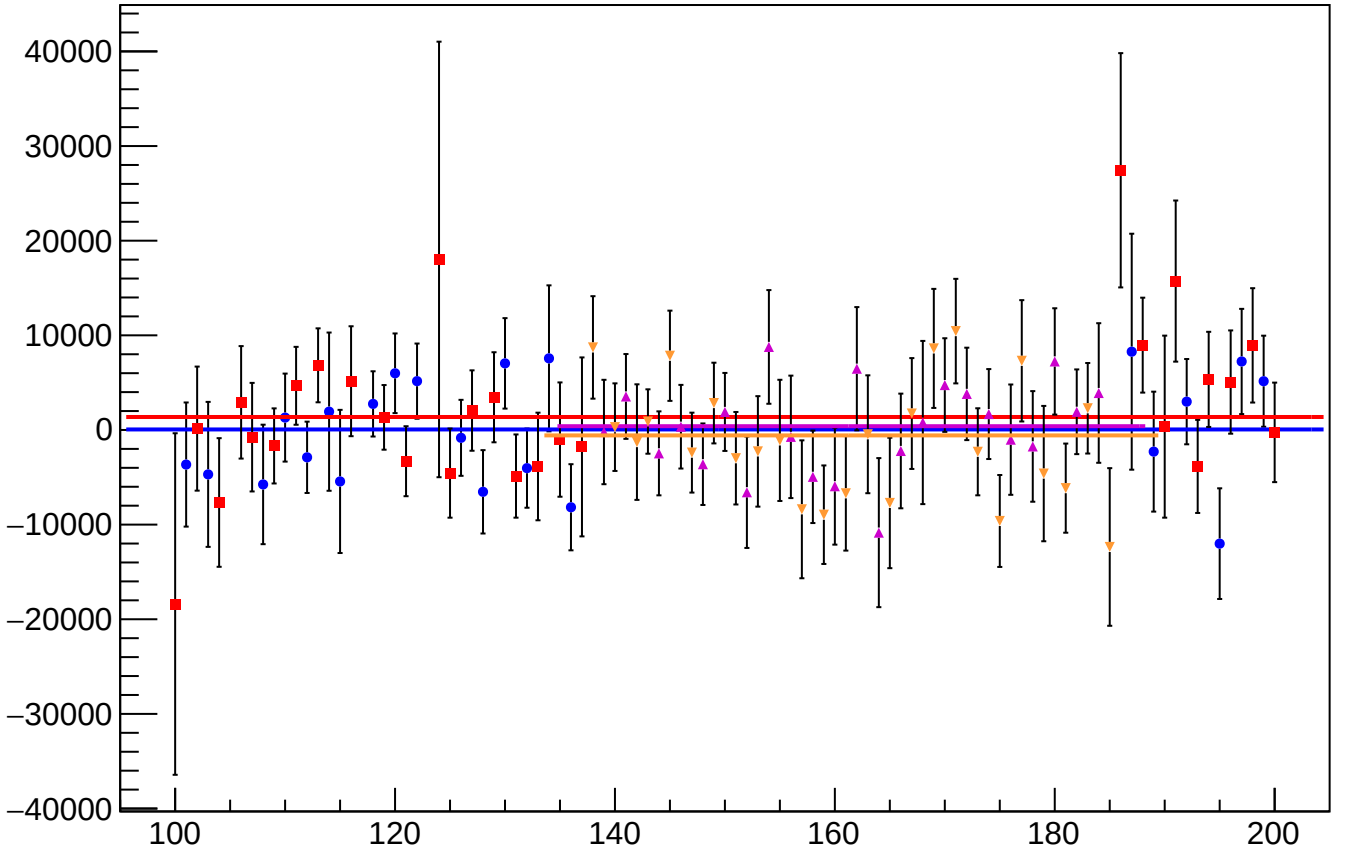
Right Out: 2707.893+/-0.567 χ^2/NDF: 4348120.1/27

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3480.009+/-0.475 χ^2/NDF: 7649361.8/46

All: 3414.083+/-0.329 χ^2/NDF: 17079345.2/9

\- sign 3353.575+/-0.455 χ^2/NDF: 9393097.1/50



Right In: 54.830+/-1064.237 χ^2/NDF: 24.7/21

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1371.748+/-999.870 χ^2/NDF: 27.3/27

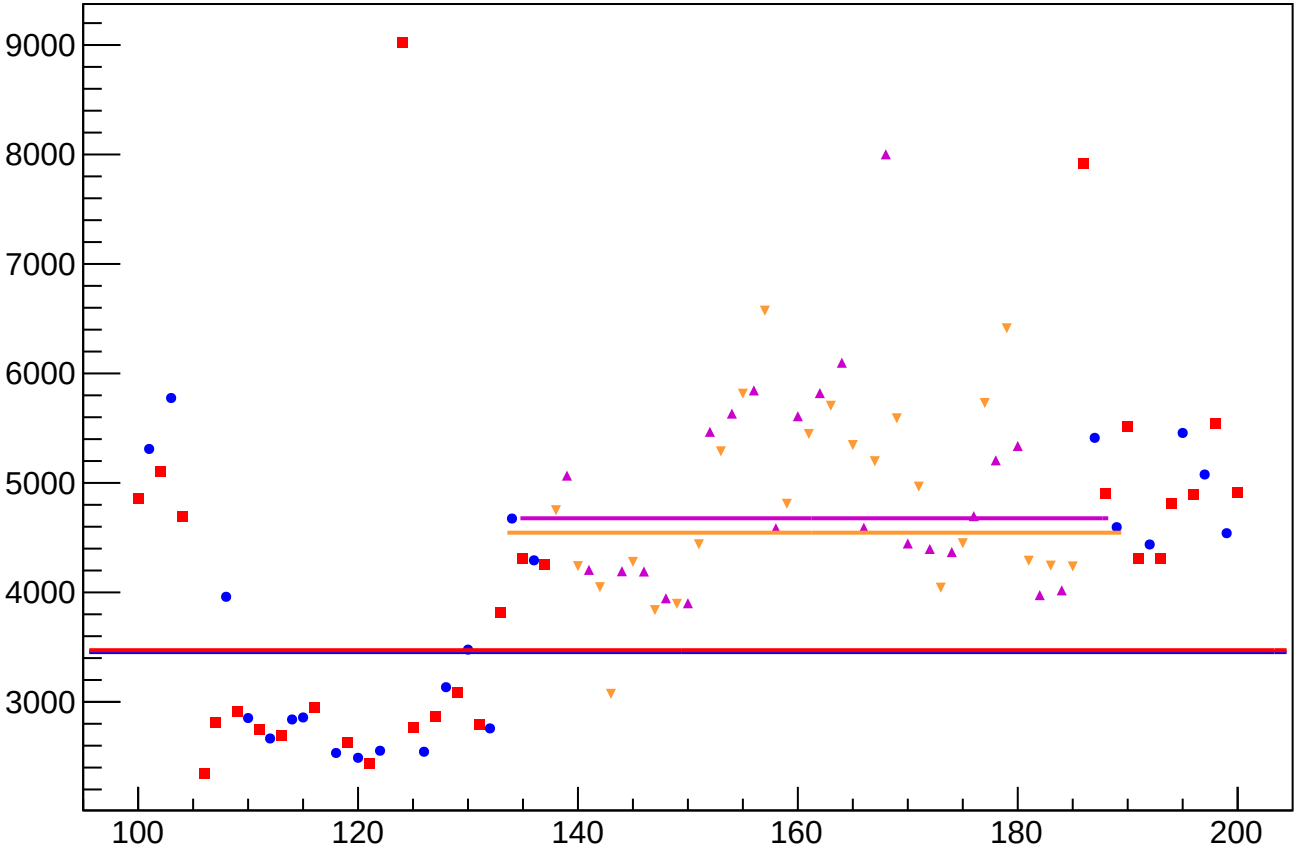
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -261.932+/-749.183 χ^2/NDF: 53.6/46

All: 341.955+/-527.465 χ^2/NDF: 96.7/97

- sign 935.523+/-742.755 χ^2/NDF: 41.8/50

asym_atl_dd_rms vs Slug



Right In: 3454.766+/-0.753 χ^2/NDF: 1855004.6/21

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

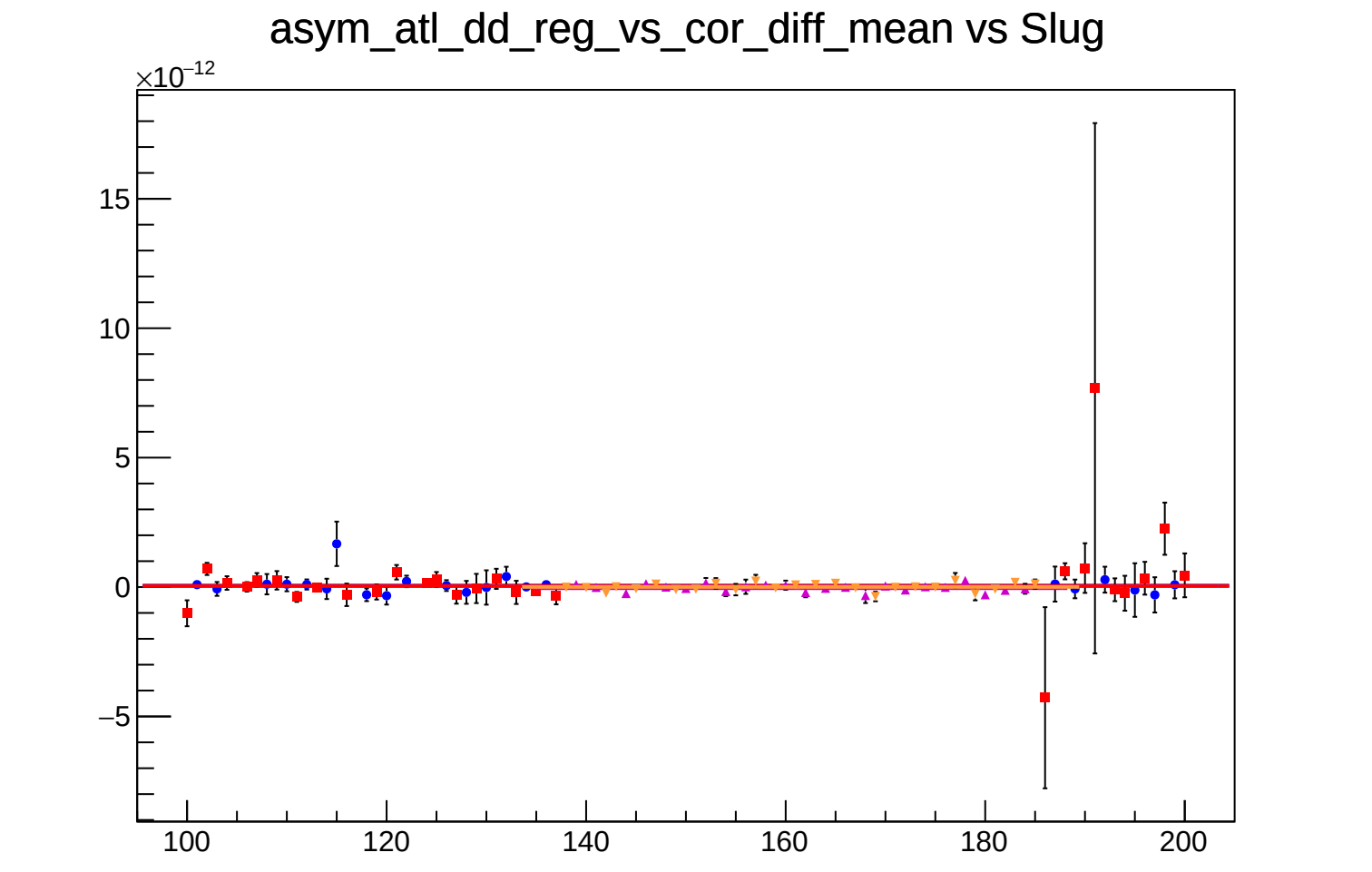
Right Out: 3472.050+/-0.700 χ^2/NDF: 2401659.4/27

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

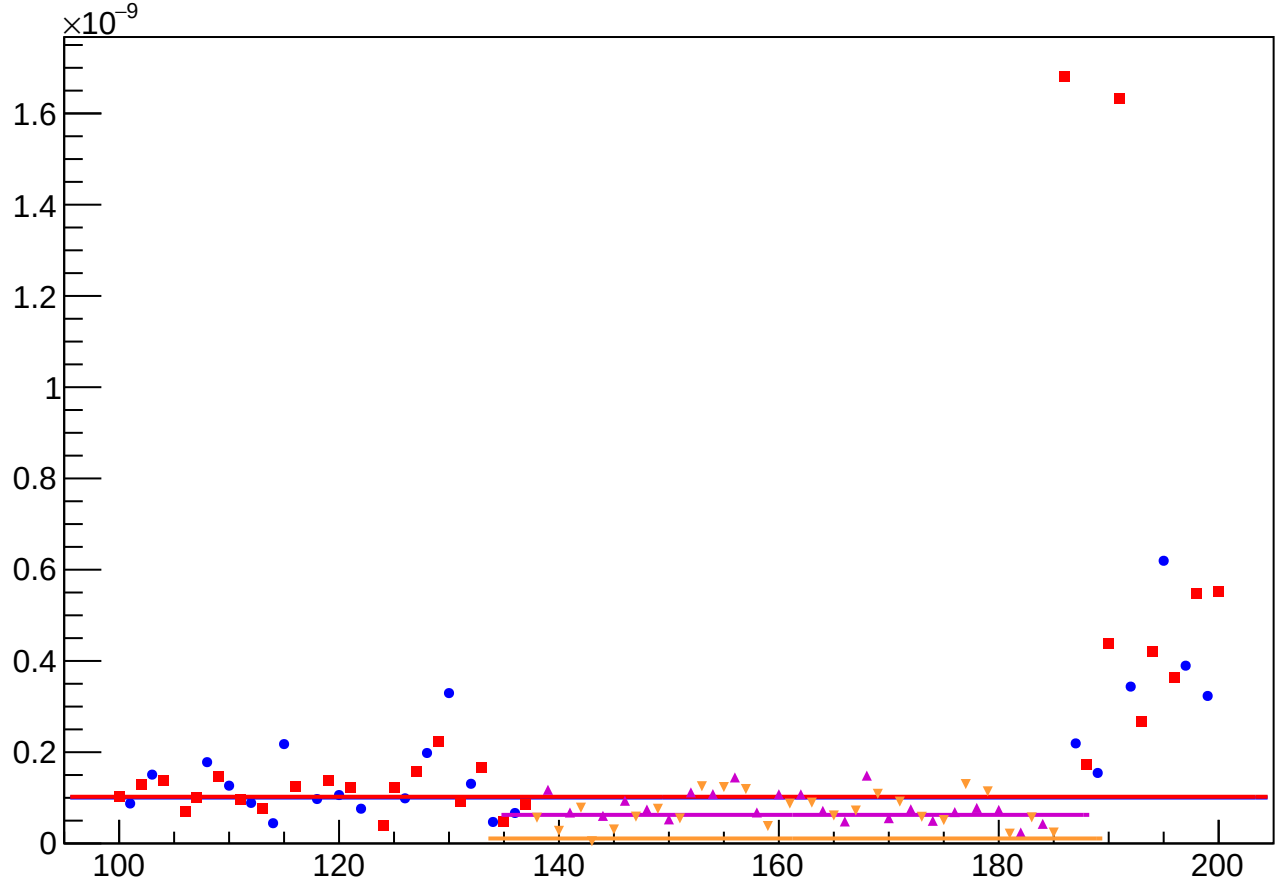
\+ sign 4004.967+/-0.530 χ^2/NDF: 4173256.3/46

All: 4005.490+/-0.372 χ^2/NDF: 8848591.7/97

\- sign 4005.999+/-0.522 χ^2/NDF: 4675333.4/50


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10.0/21
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/27
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.9/46
All: 0.000+/-0.000 χ²/NDF: 95.1/97
- sign -0.000+/-0.000 χ²/NDF: 64.4/50

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2831666.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957635.9/27

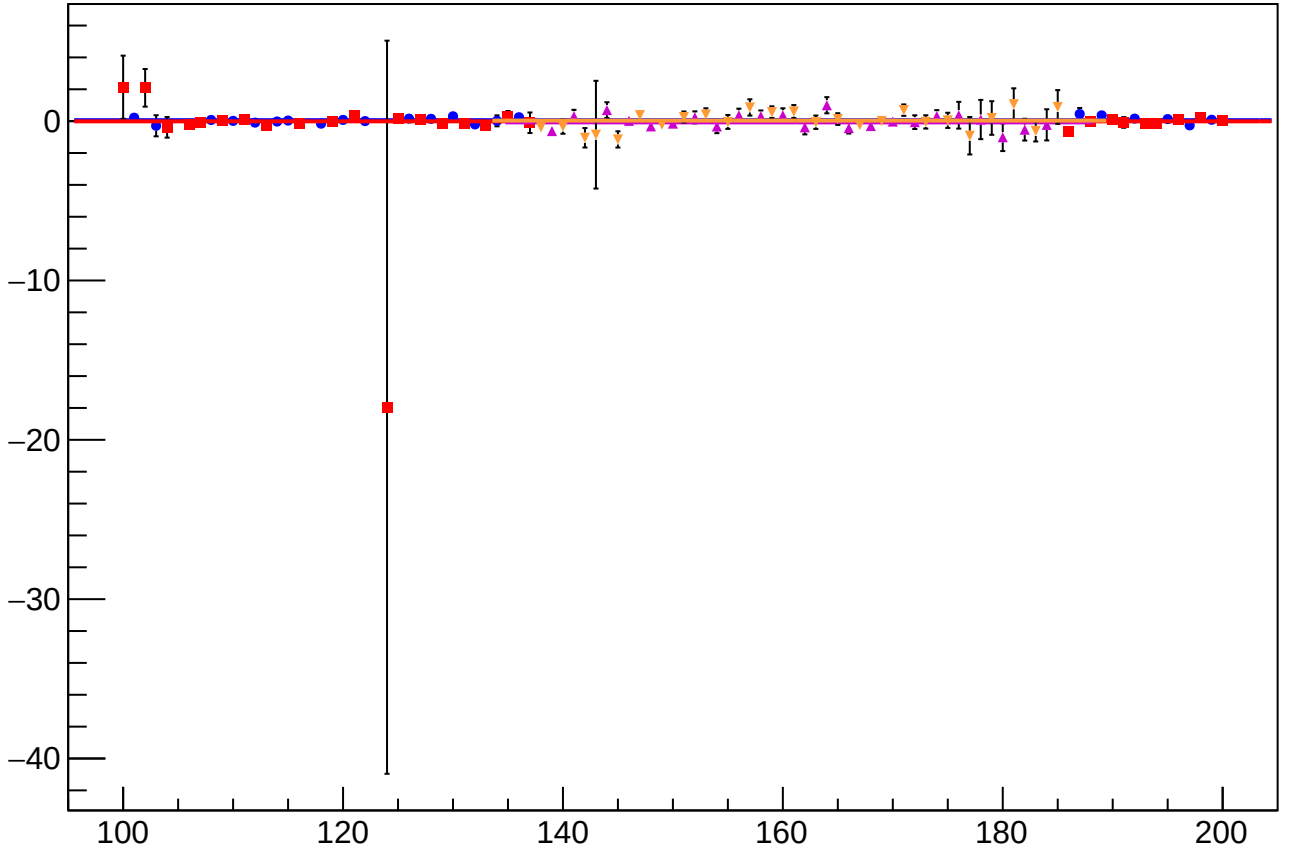
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17794286.0/46

All: 0.000+/-0.000 χ^2/NDF: 35346880.8/97

- sign 0.000+/-0.000 χ^2/NDF: 6931244.6/50

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.035 χ^2/NDF: 30.6/27

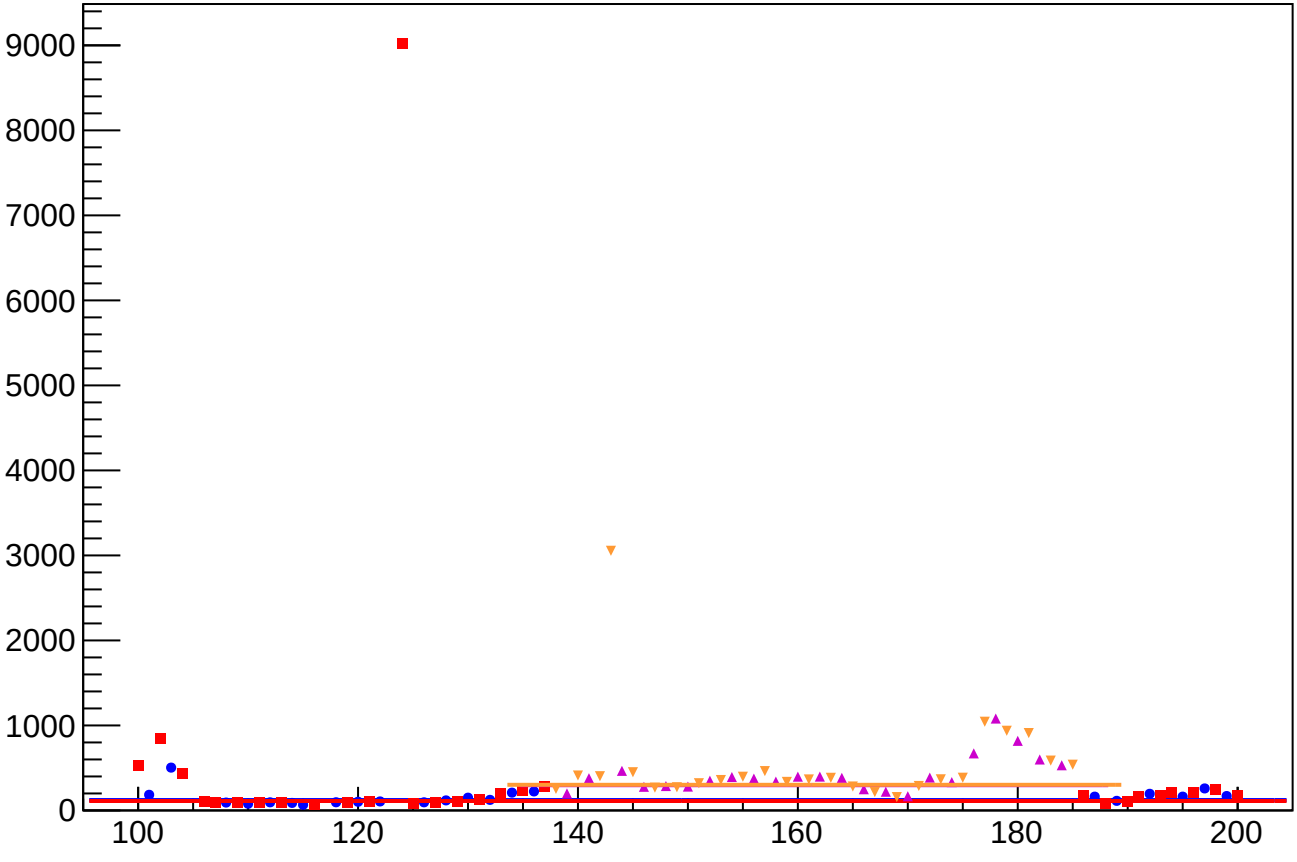
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.012+/-0.024 χ^2/NDF: 103.4/97

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

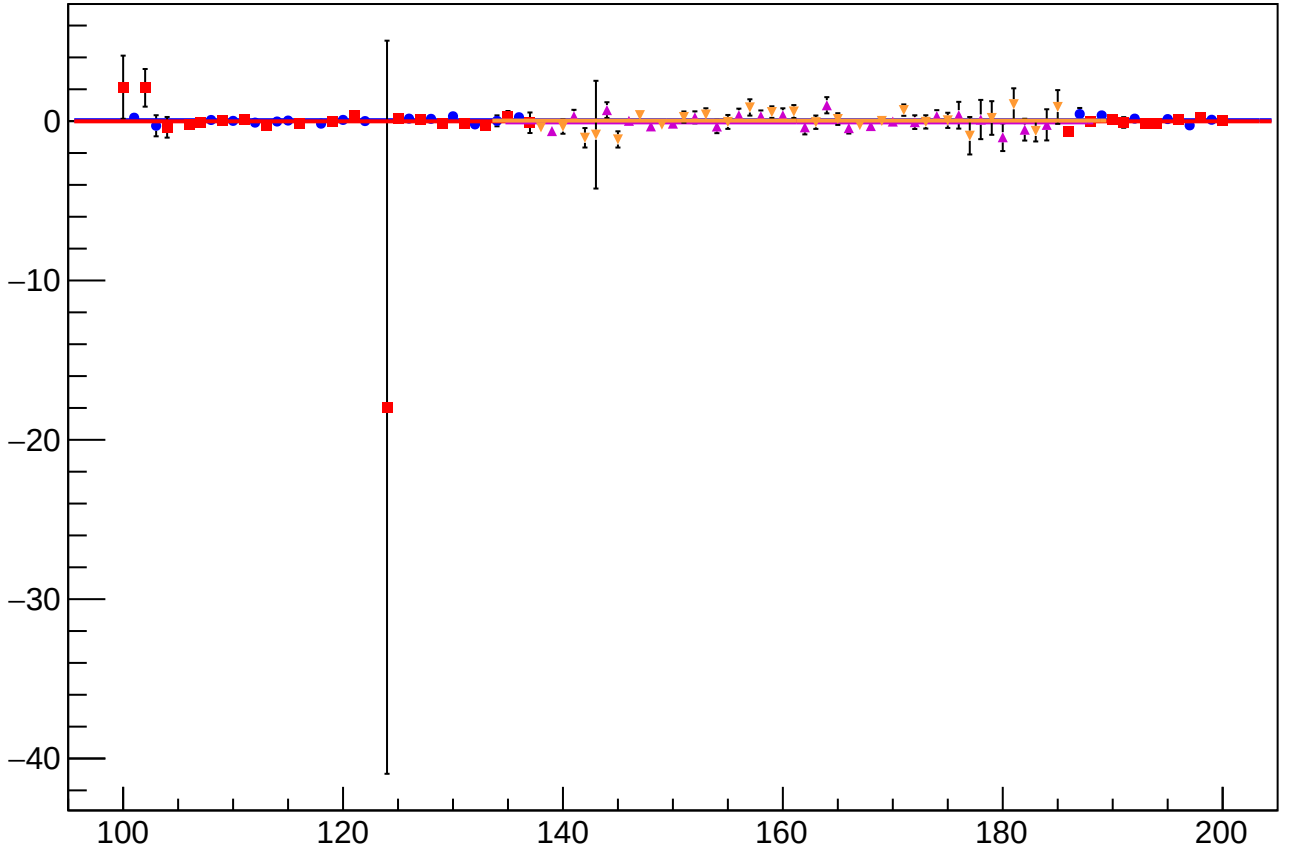
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317849.8/46

All: 150.828+/-0.017 χ^2/NDF: 38198010.6/97

- sign 143.412+/-0.022 χ^2/NDF: 19629905.8/50

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.035 χ^2/NDF: 30.6/27

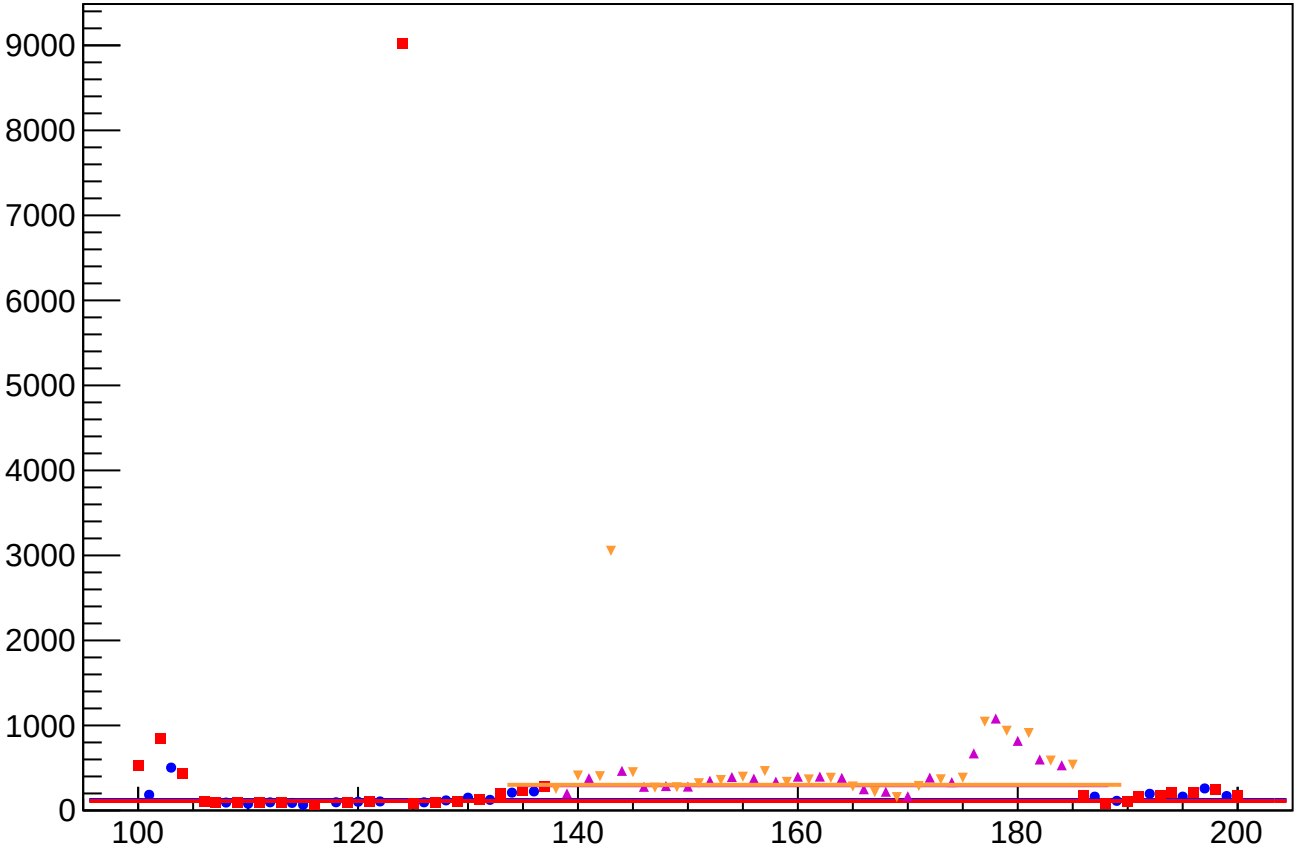
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.012+/-0.024 χ^2/NDF: 103.4/97

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

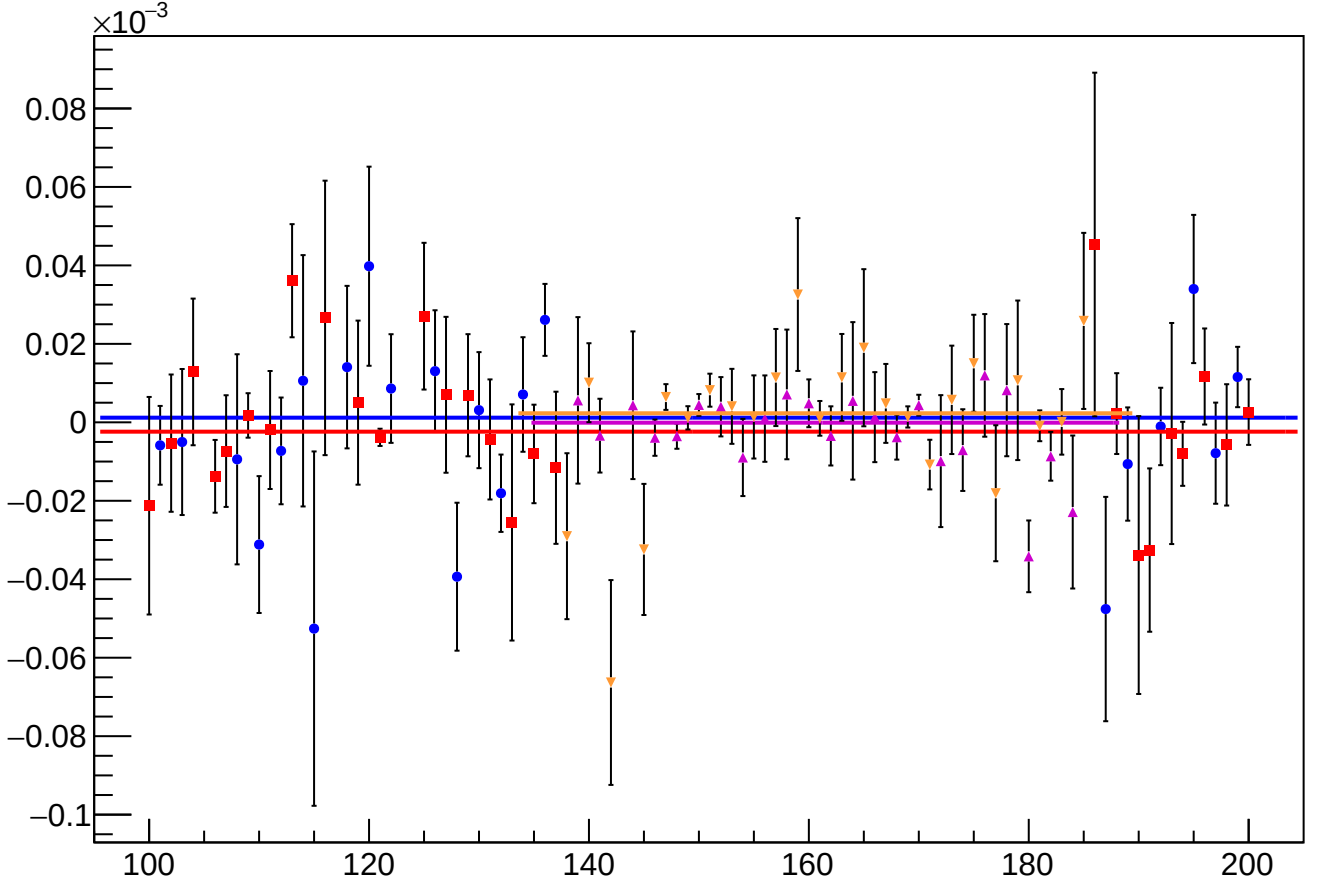
Right Out: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317849.8/46

All: 150.828+/-0.017 χ^2/NDF: 38198010.6/97

- sign 143.412+/-0.022 χ^2/NDF: 19629905.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 34.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

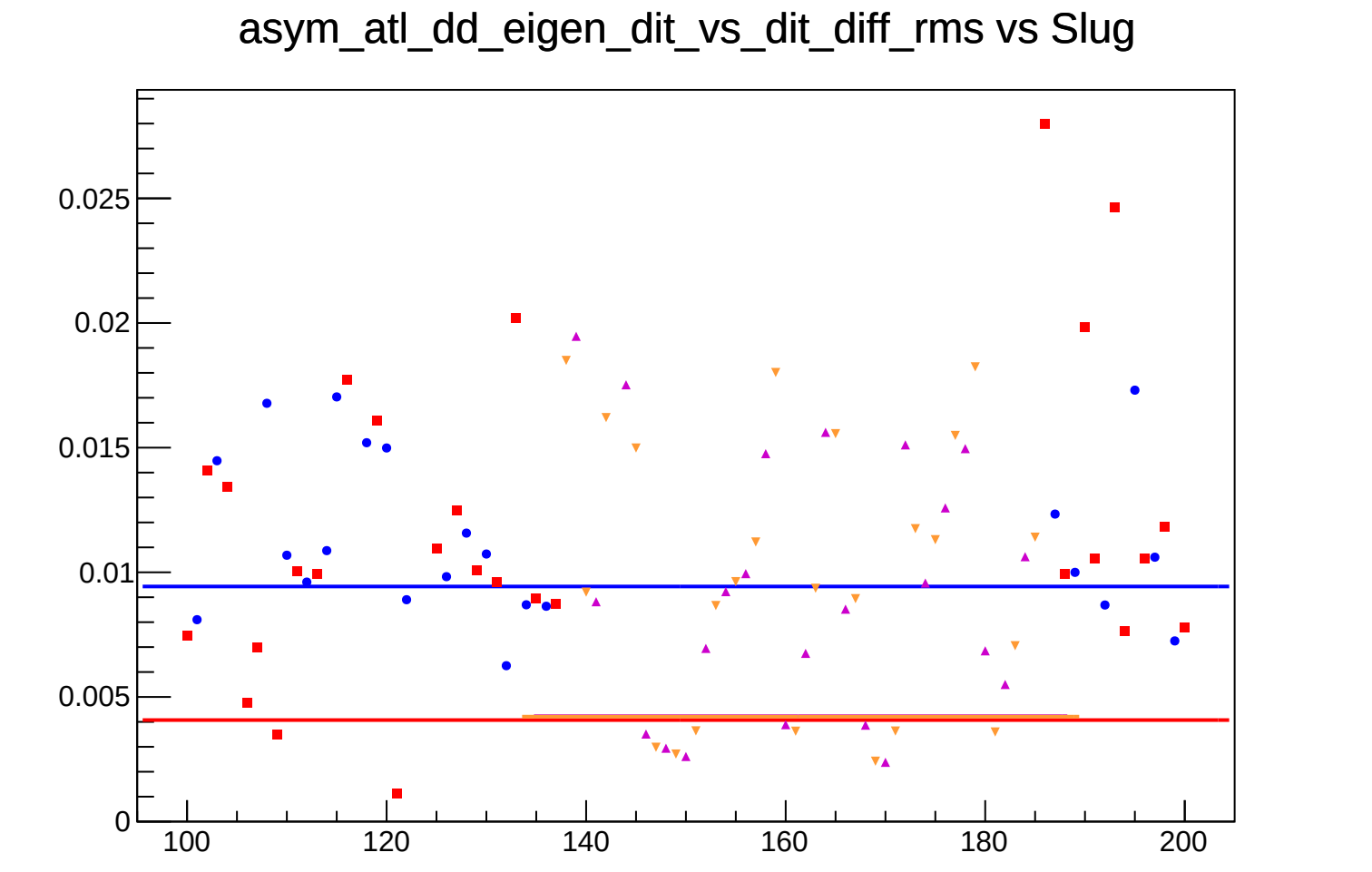
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/26

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

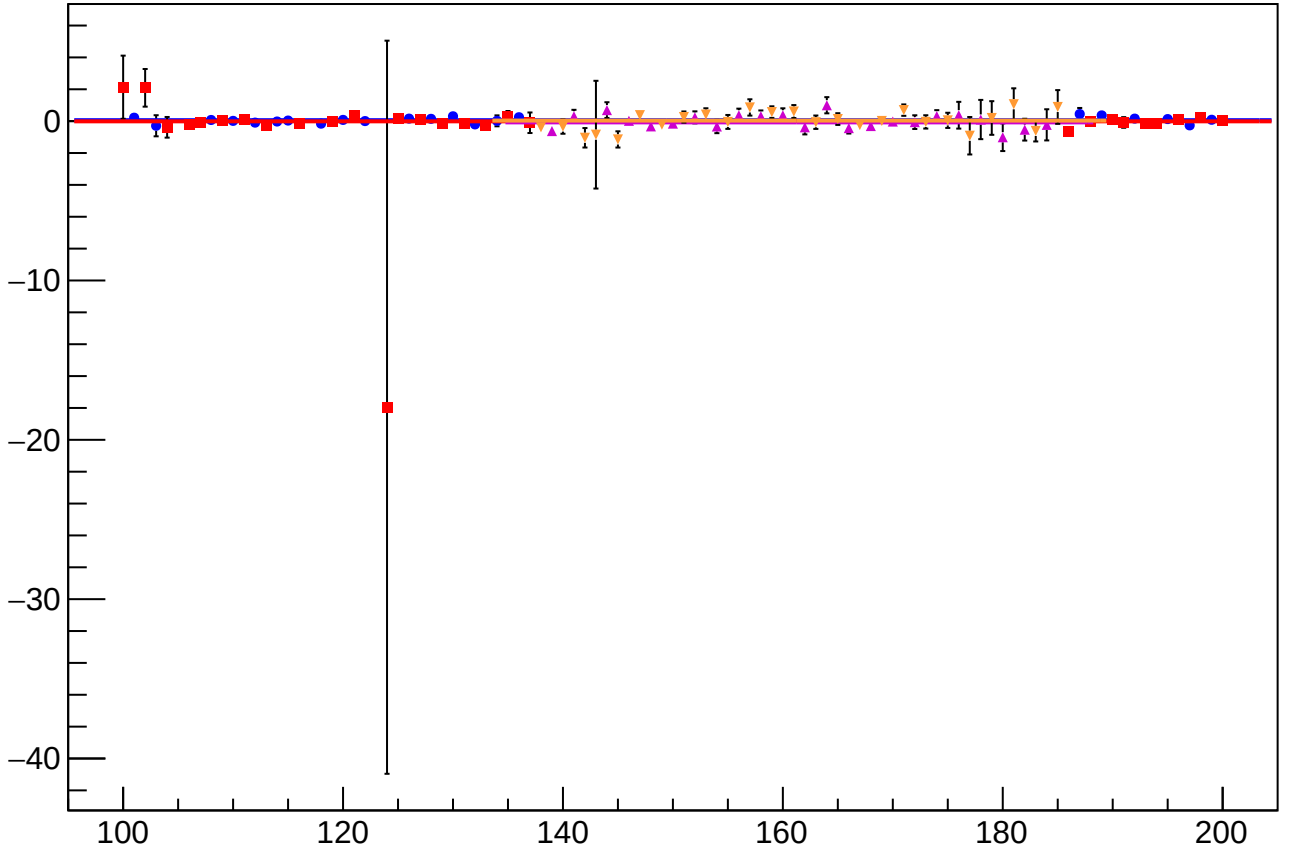
+ sign 0.000+/-0.000 χ^2/NDF: 65.9/45

All: 0.000+/-0.000 χ^2/NDF: 122.4/95

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 1488802.0/21
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 13475443.1/26
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 18840636.6/45
All: 0.005+/-0.000 χ²/NDF: 43939663.7/95
- sign 0.004+/-0.000 χ²/NDF: 24520672.8/49

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.035 χ^2/NDF: 30.6/27

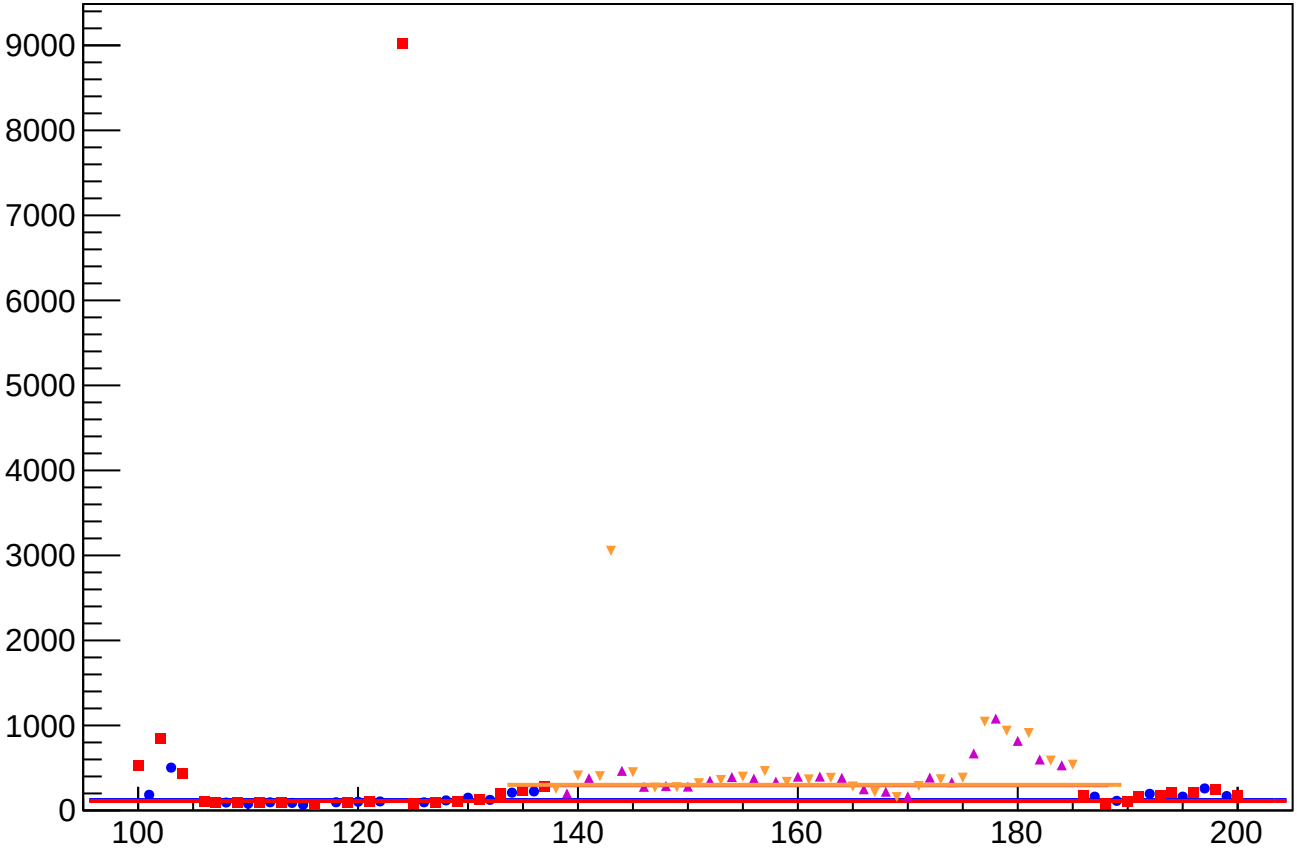
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.012+/-0.024 χ^2/NDF: 103.4/97

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

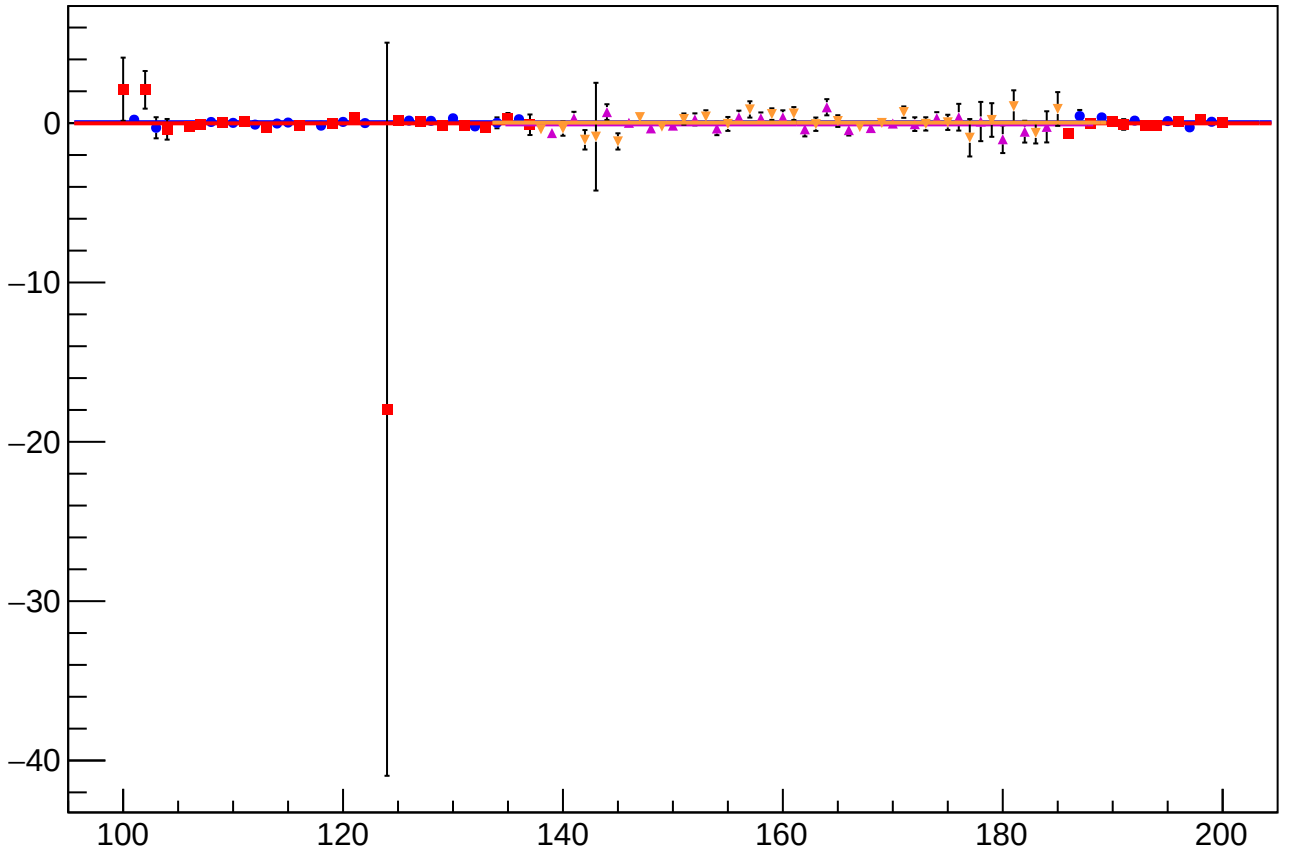
Right Out: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317903.8/46

All: 150.828+/-0.017 χ^2/NDF: 38197959.3/97

- sign 143.413+/-0.022 χ^2/NDF: 19629814.3/50



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.035 χ^2/NDF: 30.6/27

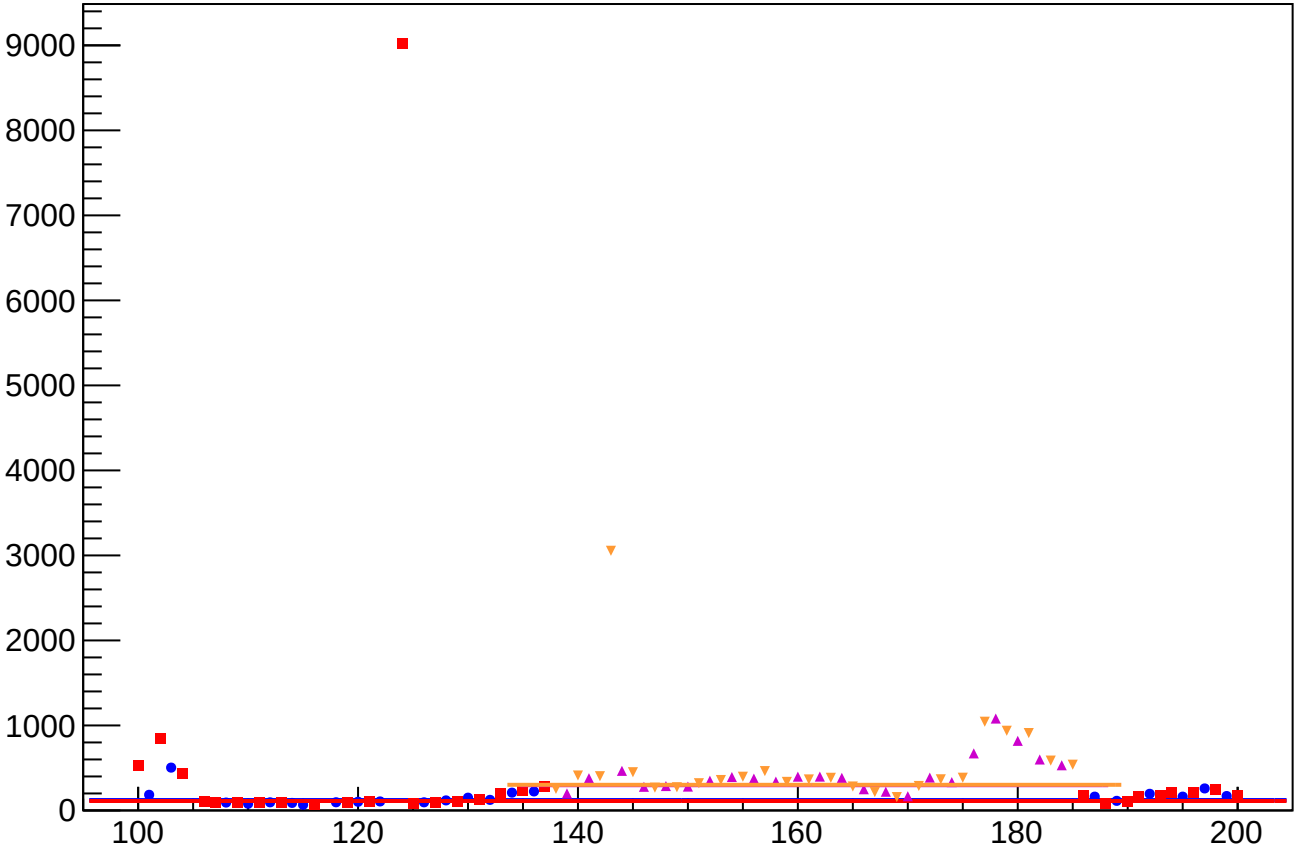
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.012+/-0.024 χ^2/NDF: 103.4/97

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

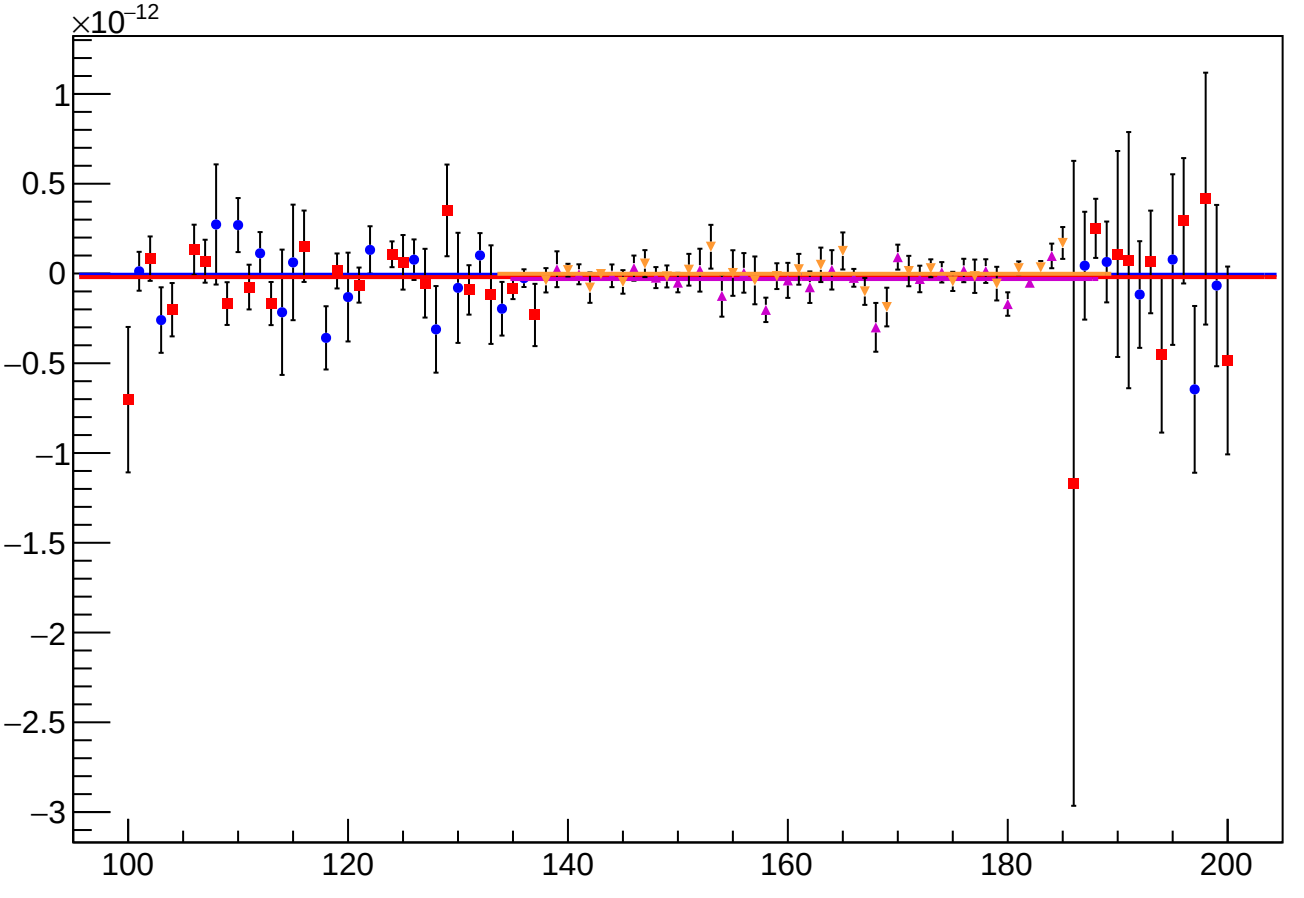
Right Out: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317903.8/46

All: 150.828+/-0.017 χ^2/NDF: 38197959.3/97

- sign 143.413+/-0.022 χ^2/NDF: 19629814.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

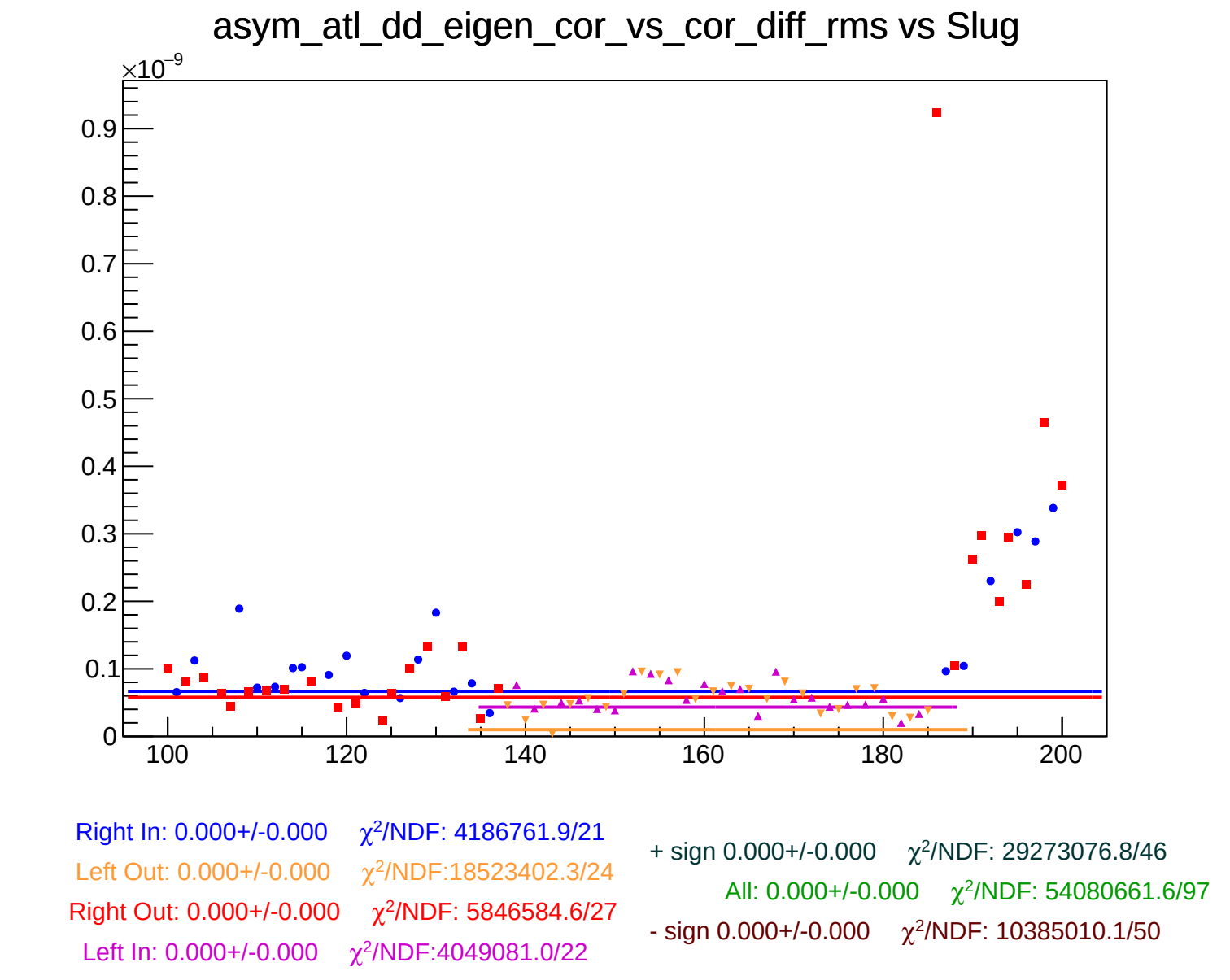
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/27

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

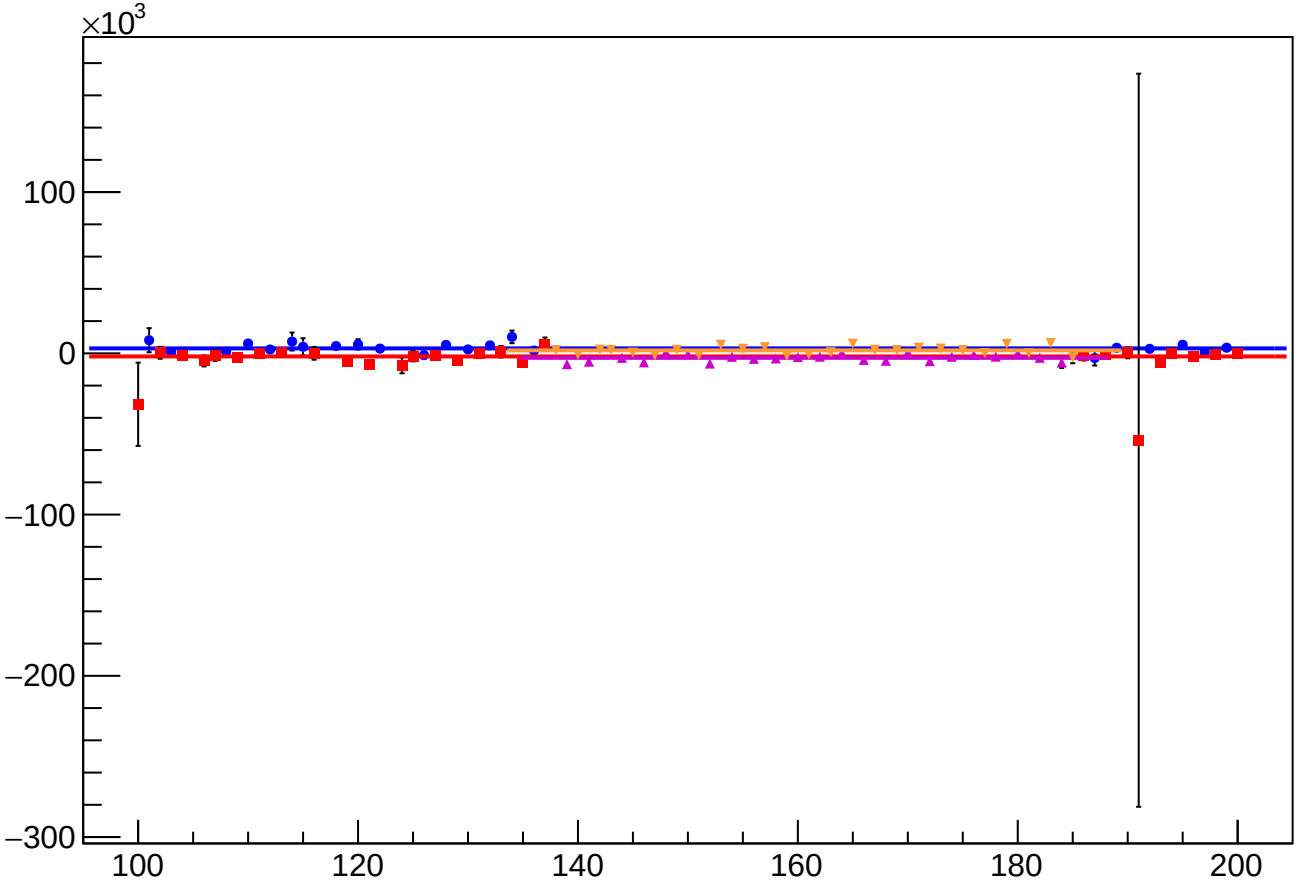
+ sign -0.000+/-0.000 χ^2/NDF: 37.5/46

All: -0.000+/-0.000 χ^2/NDF: 94.3/97

- sign -0.000+/-0.000 χ^2/NDF: 52.5/50


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4186761.9/21
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 5846584.6/27
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 29273076.8/46
All: 0.000+/-0.000 χ²/NDF: 54080661.6/97
- sign 0.000+/-0.000 χ²/NDF: 10385010.1/50

reg_asym_atr_avg_mean vs Slug



Right In: 3065.039+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1919.761+/-537.815 χ^2/NDF: 21.6/27

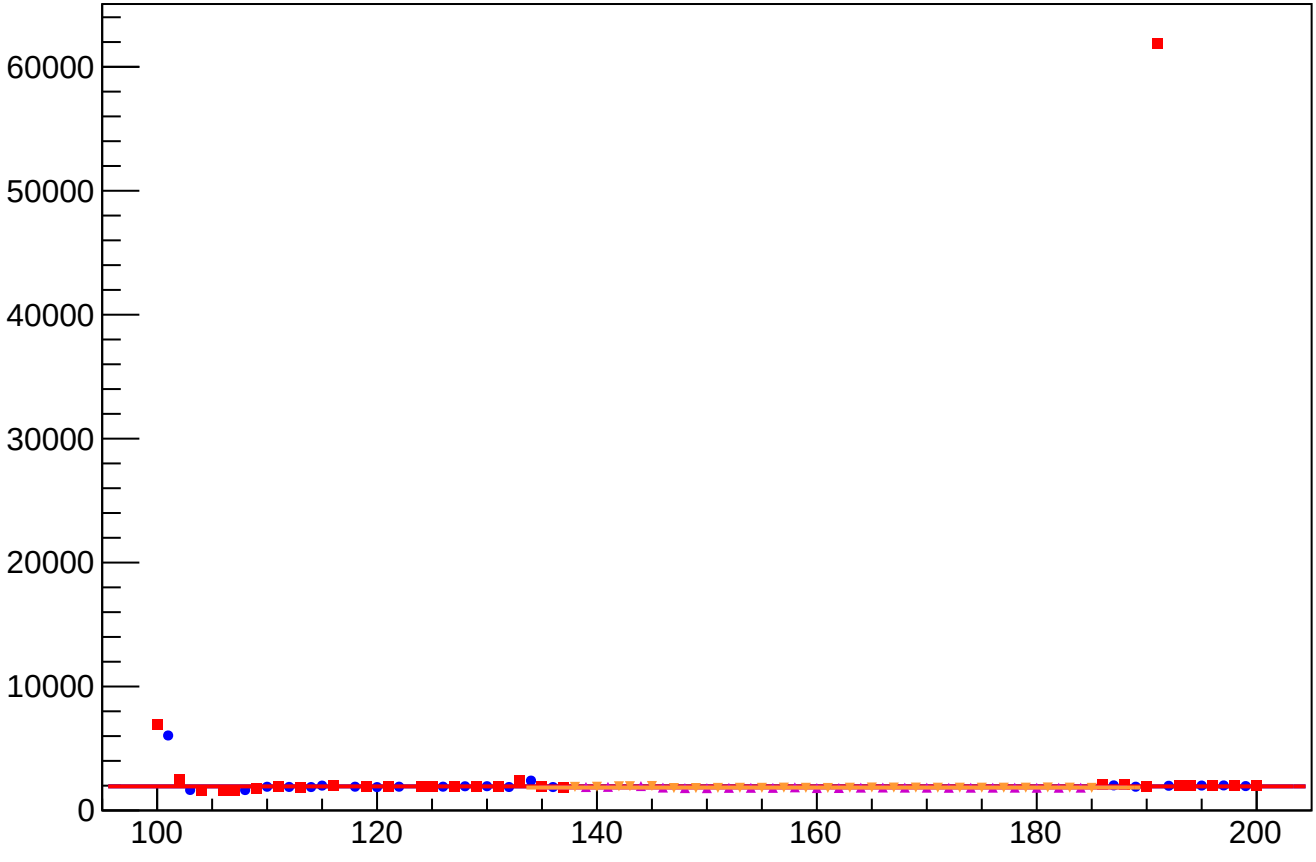
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.223+/-340.406 χ^2/NDF: 50.3/46

All: -115.278+/-239.226 χ^2/NDF: 195.7/97

- sign -2441.132+/-336.264 χ^2/NDF: 48.6/50

reg_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705767.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1942.053+/-0.380 χ^2/NDF: 403431.5/27

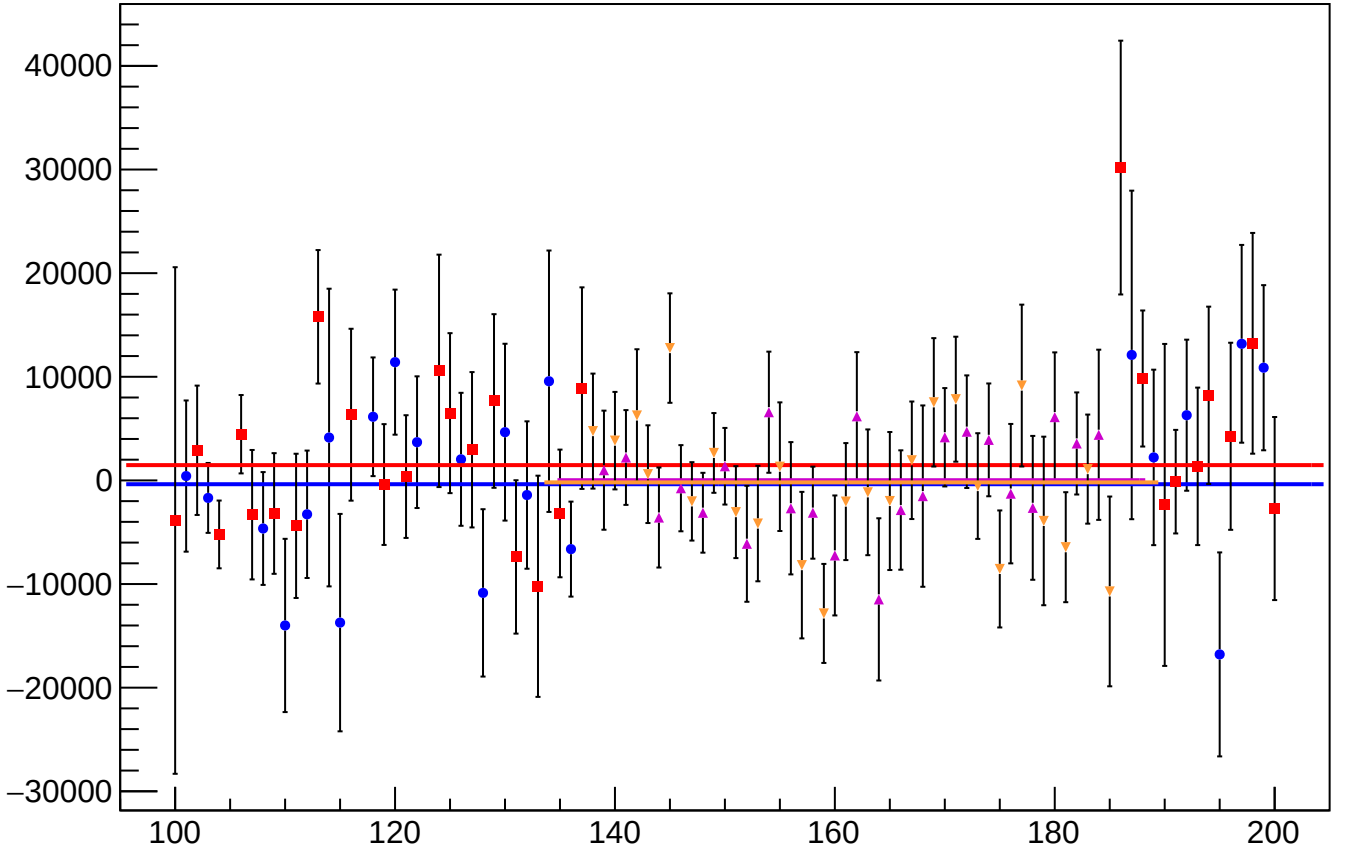
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762276.3/46

All: 1882.224+/-0.169 χ^2/NDF: 1219475.1/97

- sign 1883.070+/-0.238 χ^2/NDF: 457173.2/50

asym_atr_avg_reg_correction_mean vs Slug



Right In: -367.009+/-1456.110 χ^2/NDF: 22.9/21

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1476.211+/-1267.031 χ^2/NDF: 27.2/27

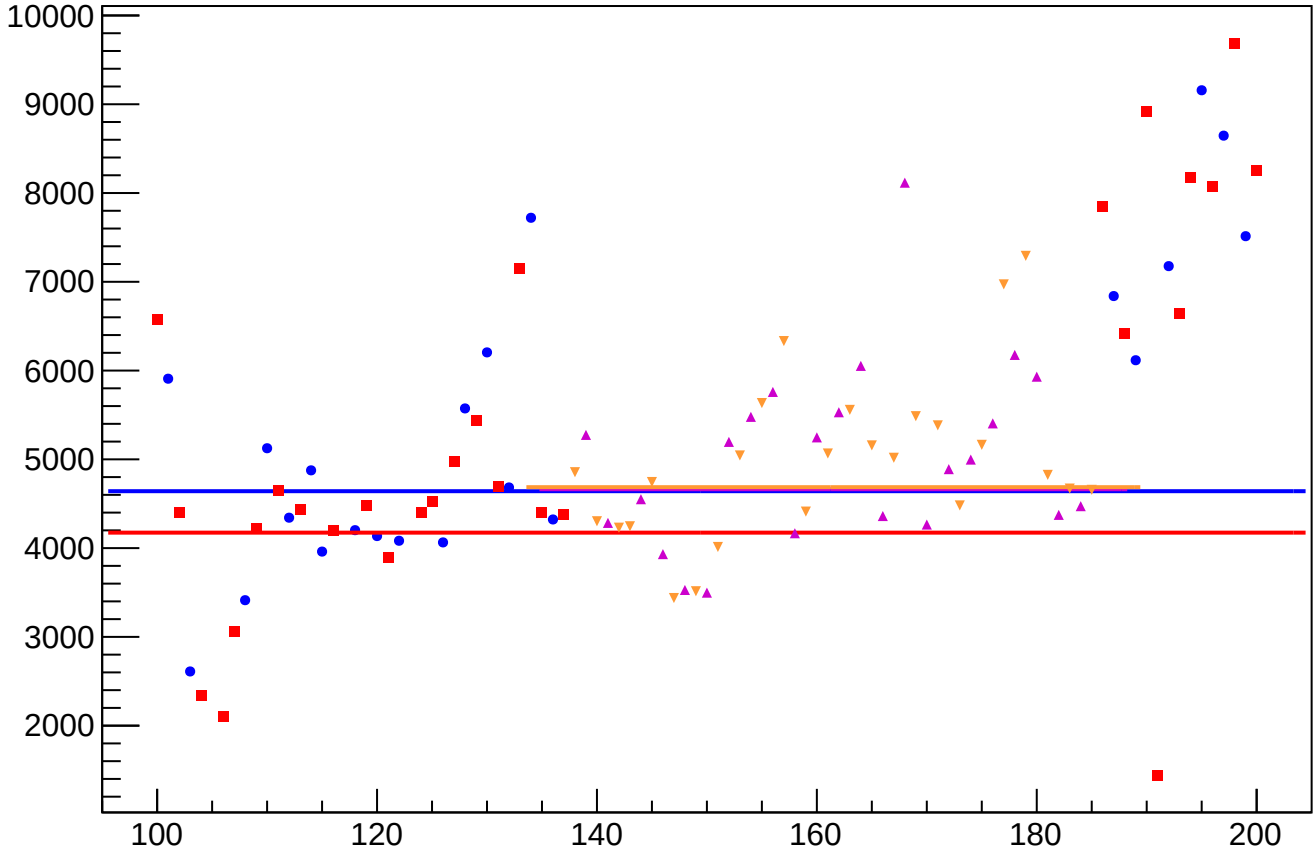
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.117+/-871.889 χ^2/NDF: 51.9/46

All: 219.299+/-603.435 χ^2/NDF: 94.1/97

- sign 653.638+/-836.013 χ^2/NDF: 41.7/50

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4641.254+/-1.030 χ^2/NDF: 2558412.0/21

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4174.367+/-0.896 χ^2/NDF: 4763999.1/27

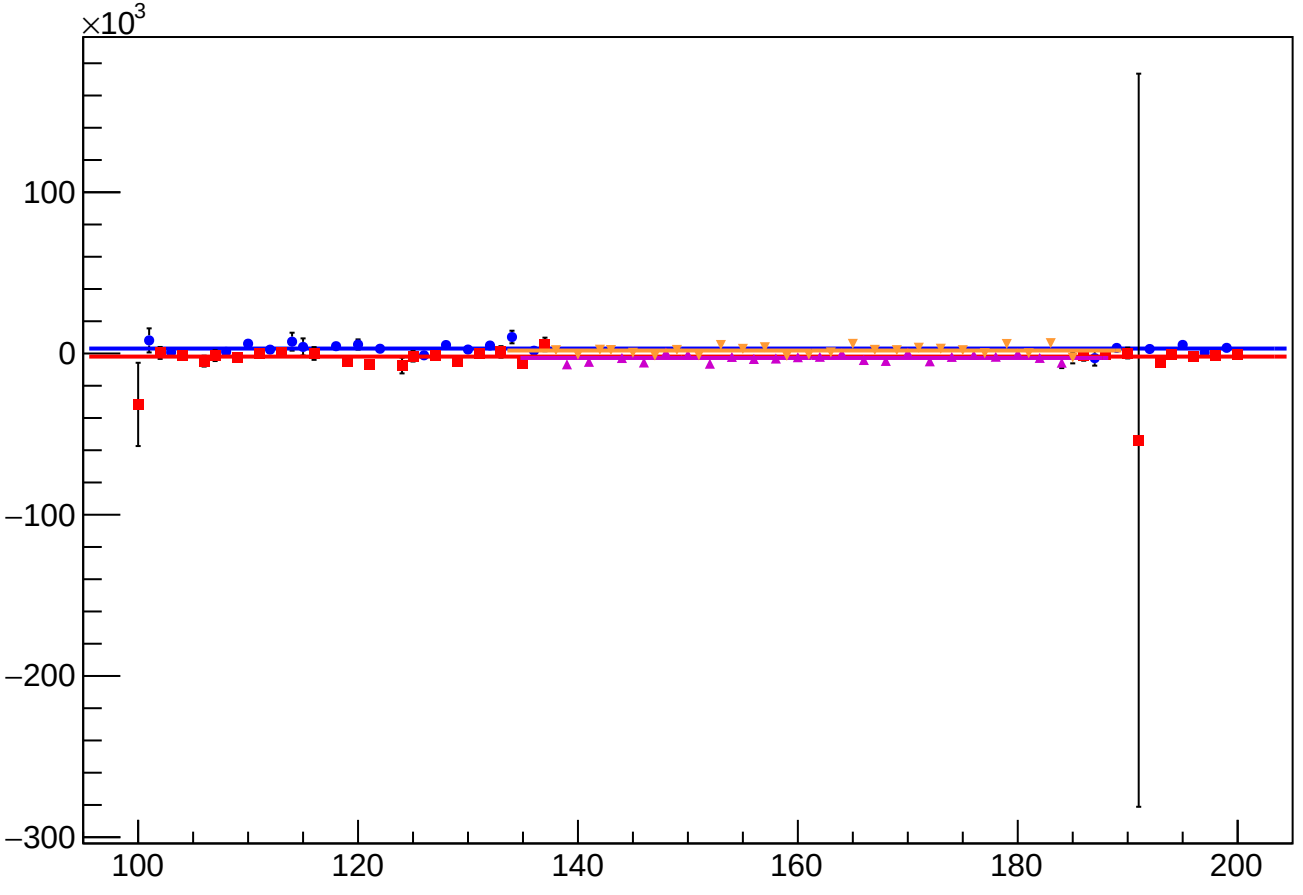
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4670.183+/-0.617 χ^2/NDF: 3744706.3/46

All: 4555.687+/-0.427 χ^2/NDF: 10029772.8/9

- sign 4450.420+/-0.591 χ^2/NDF: 6218866.9/50

cor_asym_atr_avg_mean vs Slug



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1920.380+/-537.816 χ^2/NDF: 21.6/27

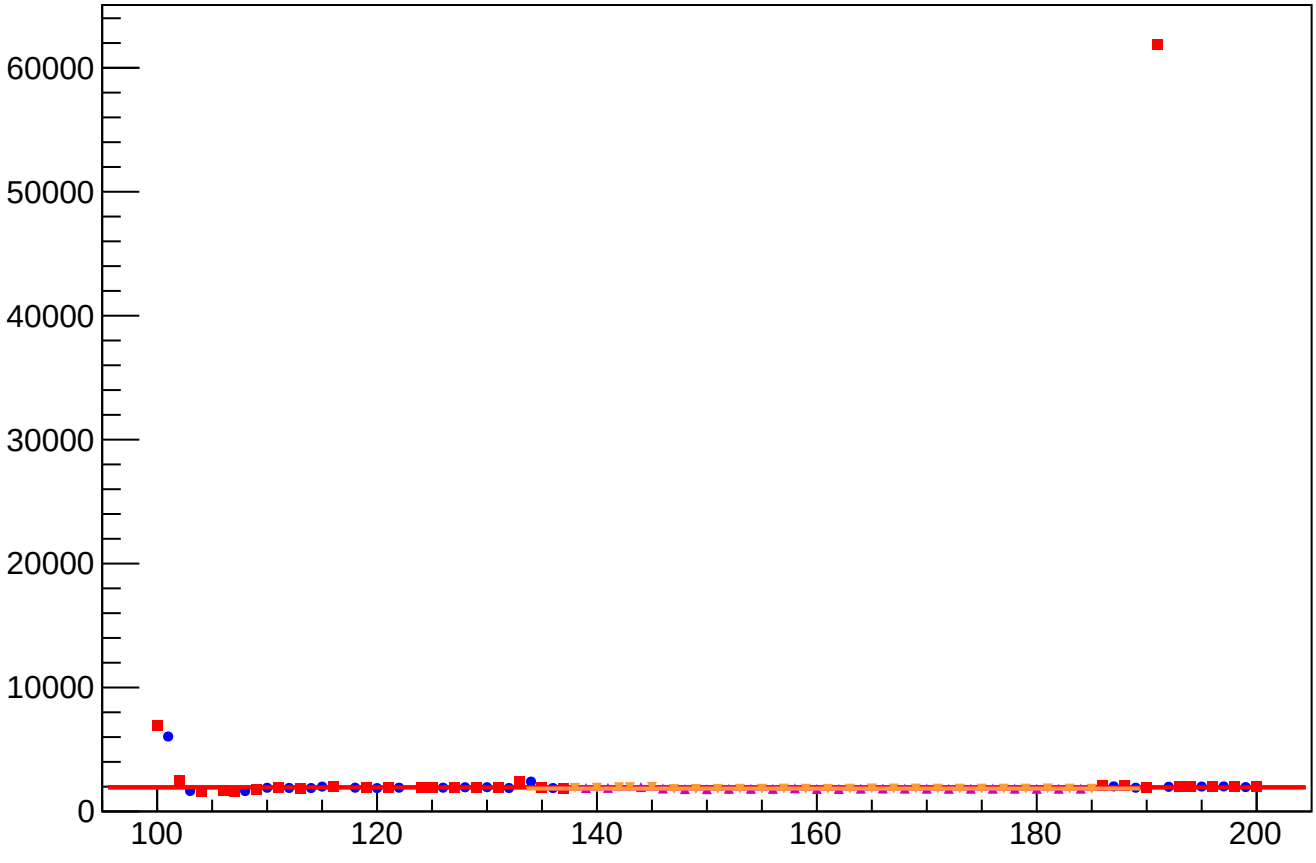
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.019+/-340.406 χ^2/NDF: 50.3/46

All: -115.492+/-239.226 χ^2/NDF: 195.7/97

- sign -2441.361+/-336.265 χ^2/NDF: 48.6/50

cor_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

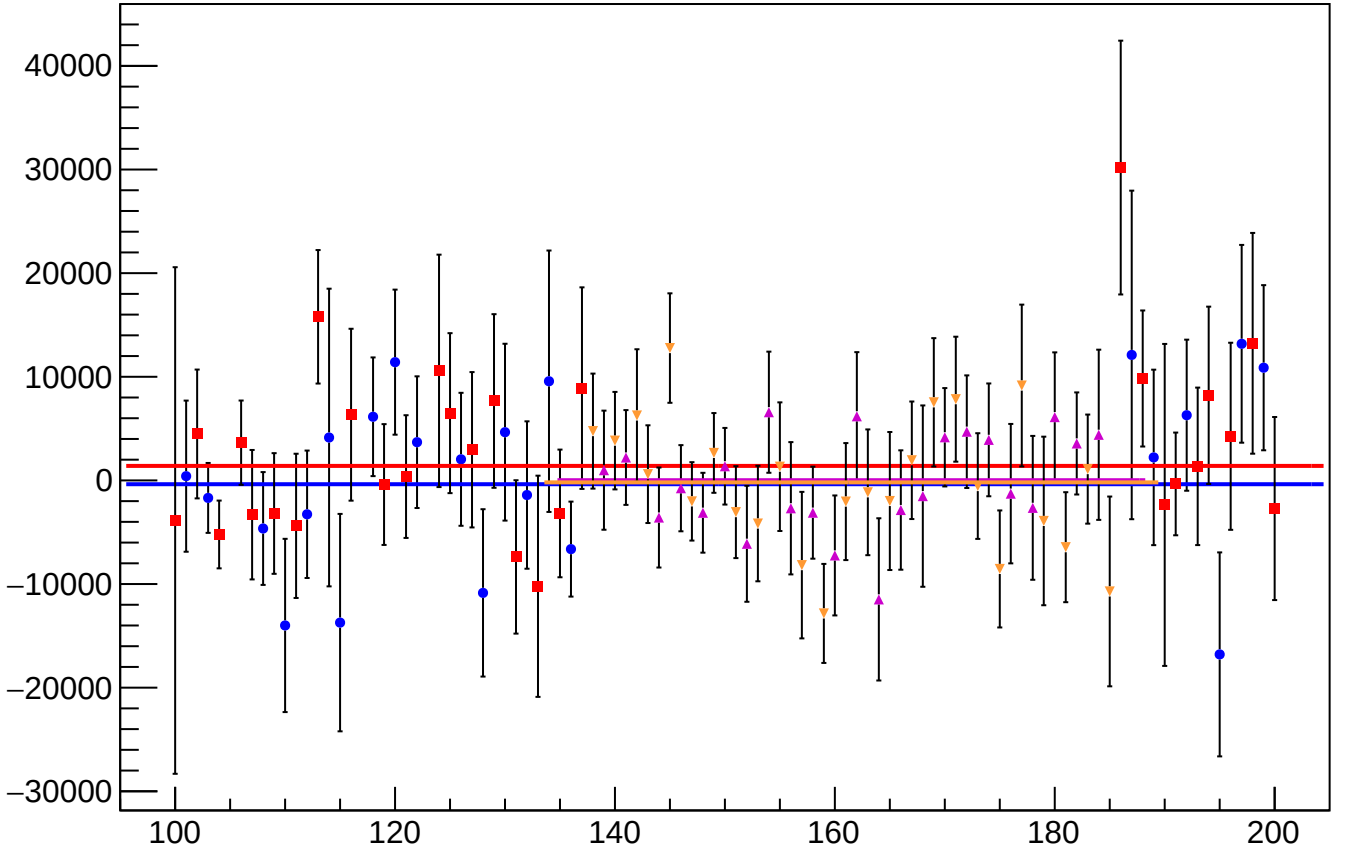
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762275.5/46

All: 1882.673+/-0.169 χ^2/NDF: 1213326.0/97

- sign 1883.957+/-0.238 χ^2/NDF: 450991.3/50

asym_atr_avg_cor_correction_mean vs Slug



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1399.692+/-1275.940 χ^2/NDF: 27.0/27

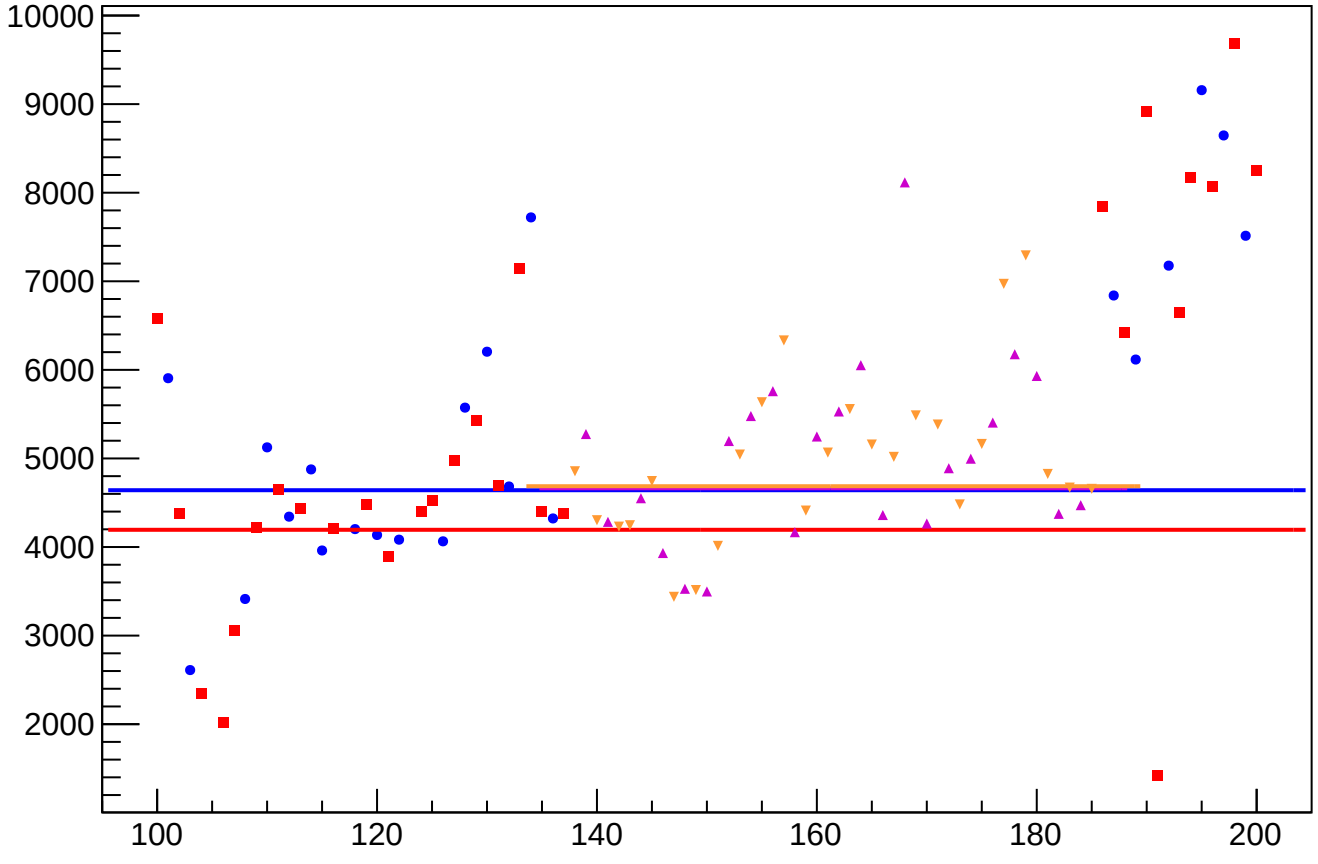
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.233+/-871.889 χ^2/NDF: 51.9/46

All: 198.106+/-604.390 χ^2/NDF: 93.8/97

- sign 615.596+/-838.557 χ^2/NDF: 41.4/50

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

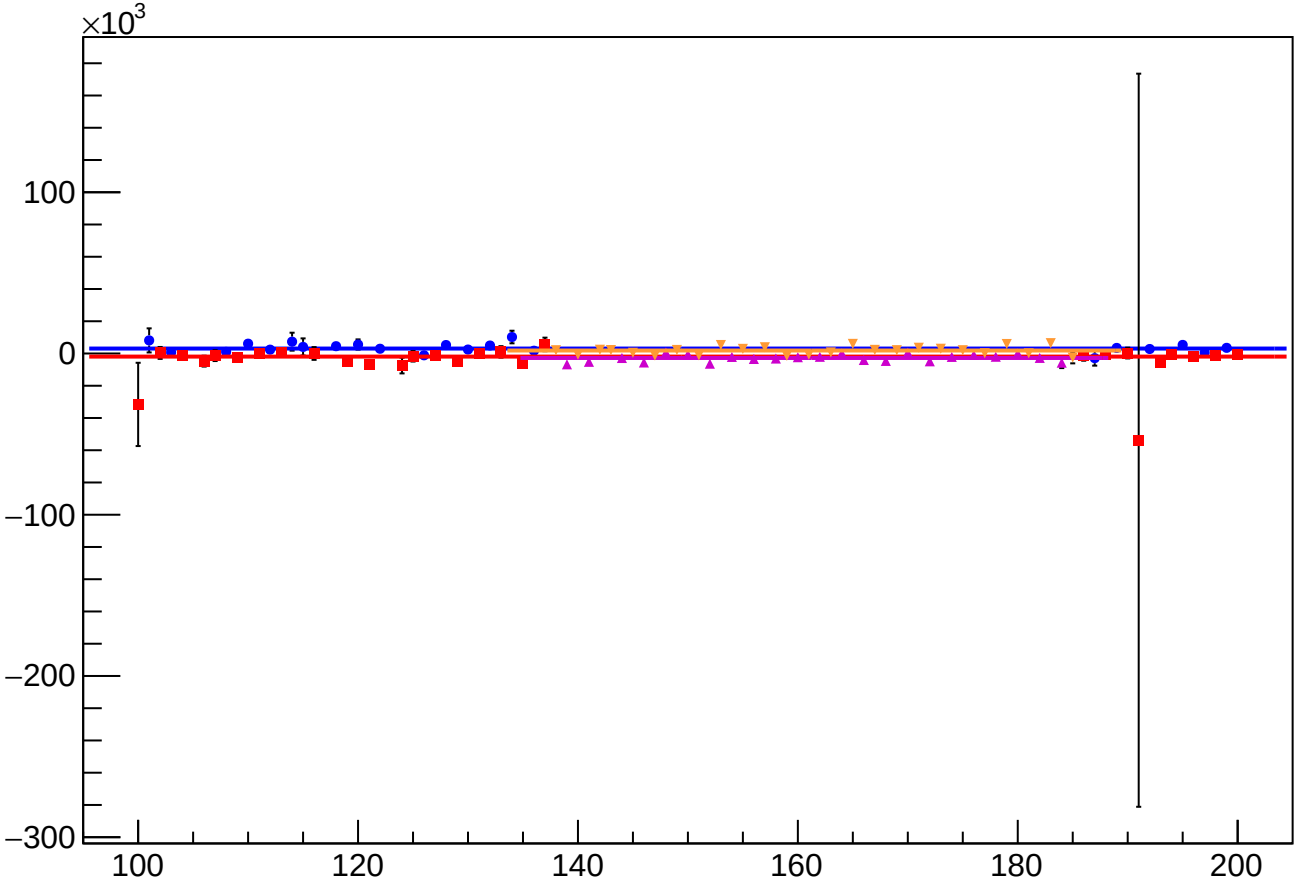
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4670.208+/-0.617 χ^2/NDF: 3744153.8/46

All: 4561.418+/-0.427 χ^2/NDF: 9980236.6/97

- sign 4460.788+/-0.593 χ^2/NDF: 6176143.4/50

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1920.380+/-537.816 χ^2/NDF: 21.6/27

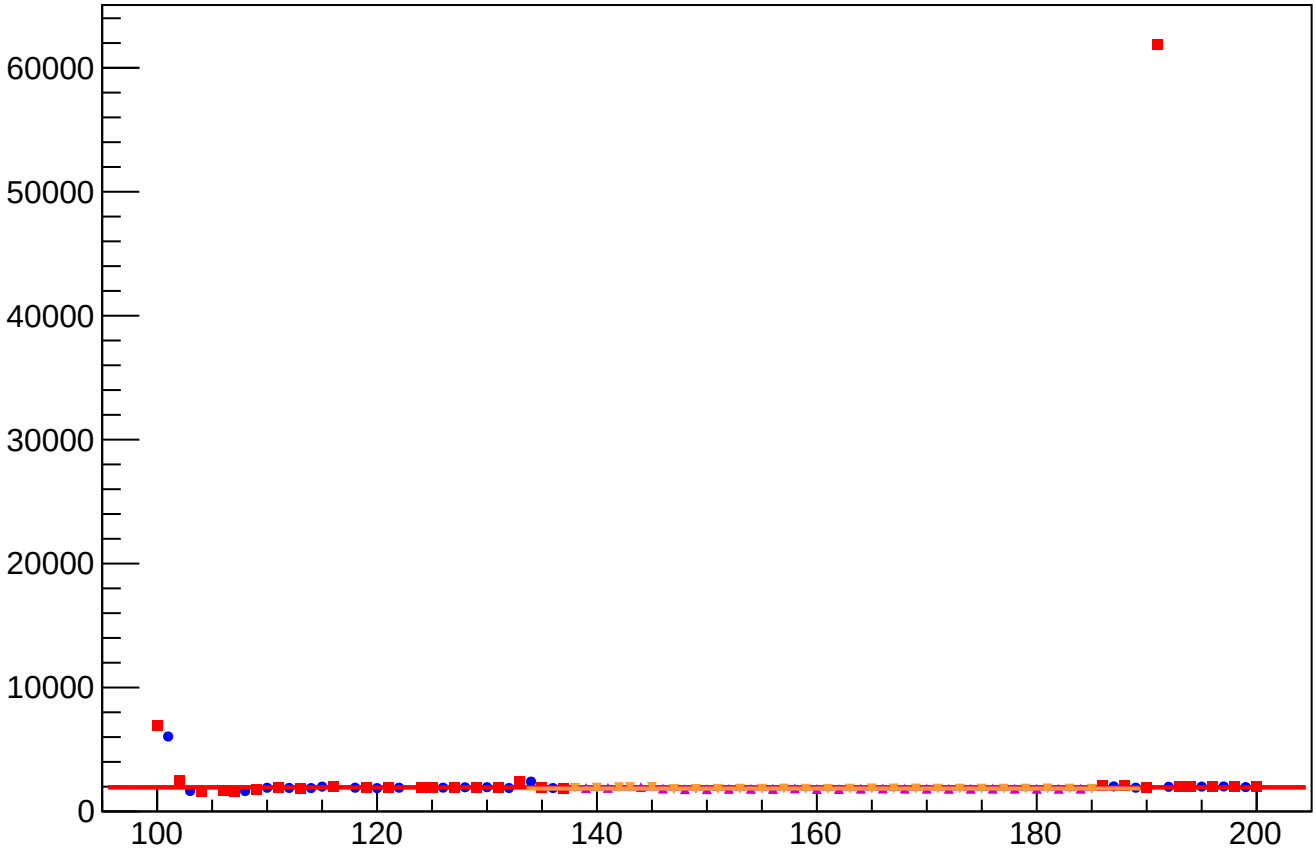
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.019+/-340.406 χ^2/NDF: 50.3/46

All: -115.492+/-239.226 χ^2/NDF: 195.7/97

- sign -2441.361+/-336.265 χ^2/NDF: 48.6/50

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

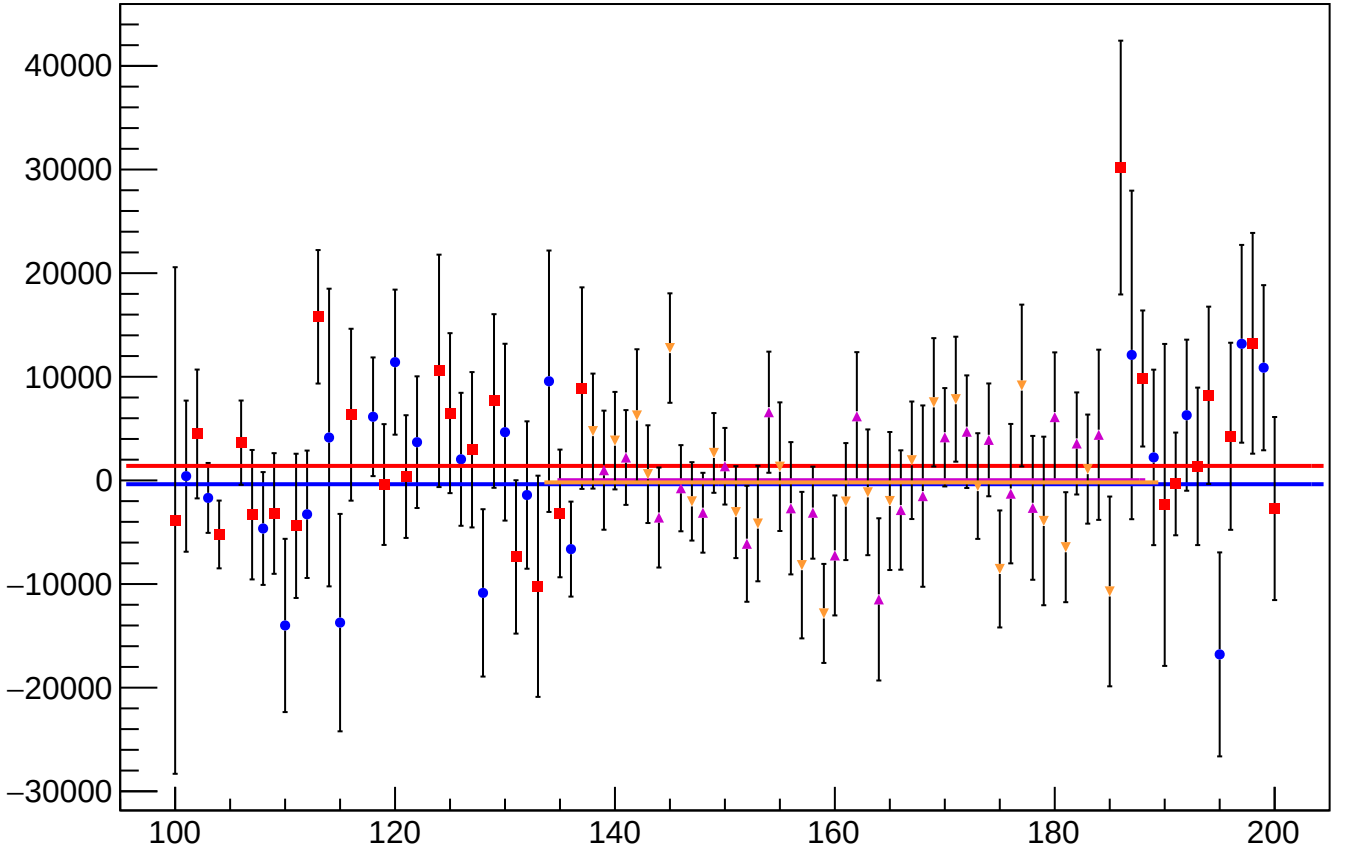
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762275.5/46

All: 1882.673+/-0.169 χ^2/NDF: 1213326.0/97

- sign 1883.957+/-0.238 χ^2/NDF: 450991.3/50

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

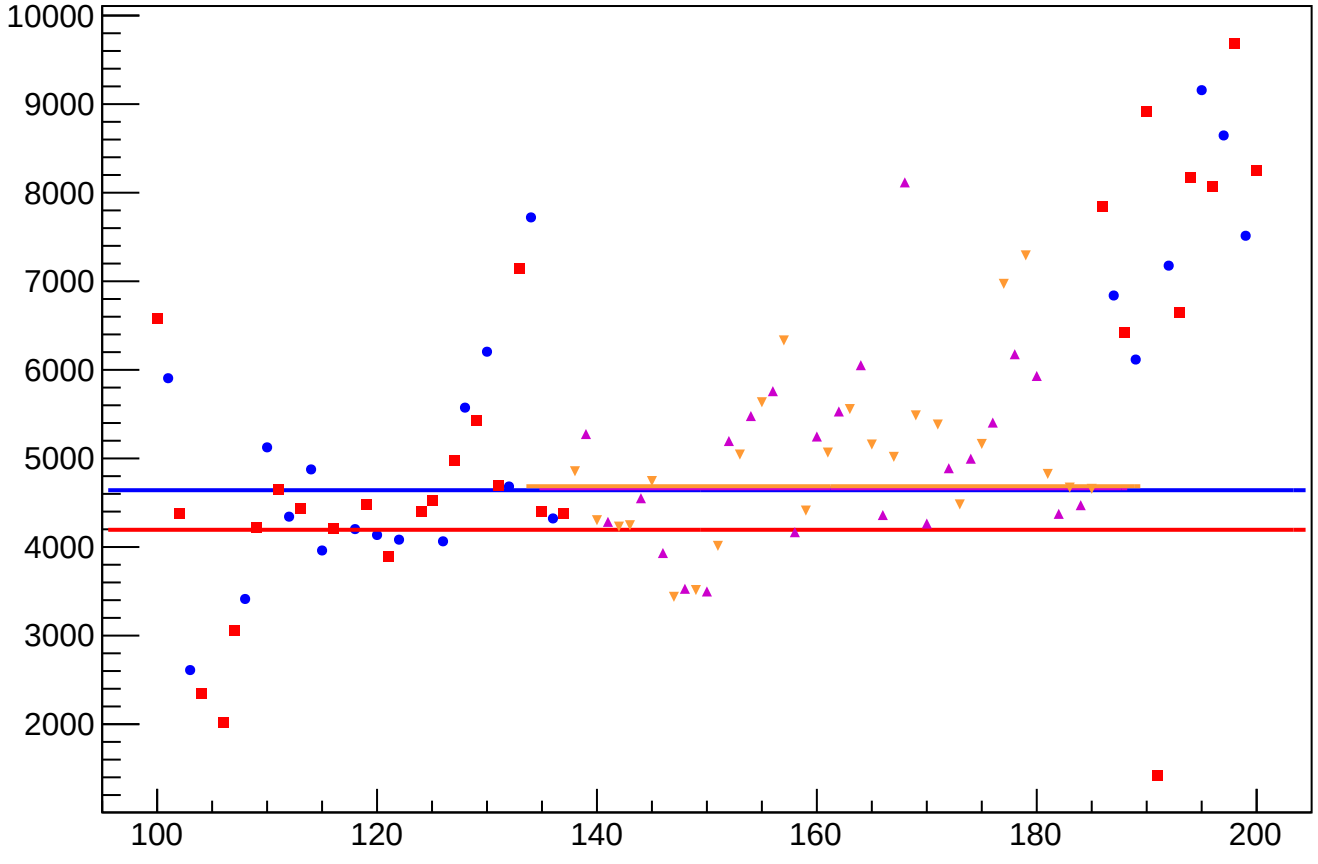
Right Out: 1399.692+/-1275.940 χ^2/NDF: 27.0/27

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.233+/-871.889 χ^2/NDF: 51.9/46

All: 198.106+/-604.390 χ^2/NDF: 93.8/97

- sign 615.596+/-838.557 χ^2/NDF: 41.4/50



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

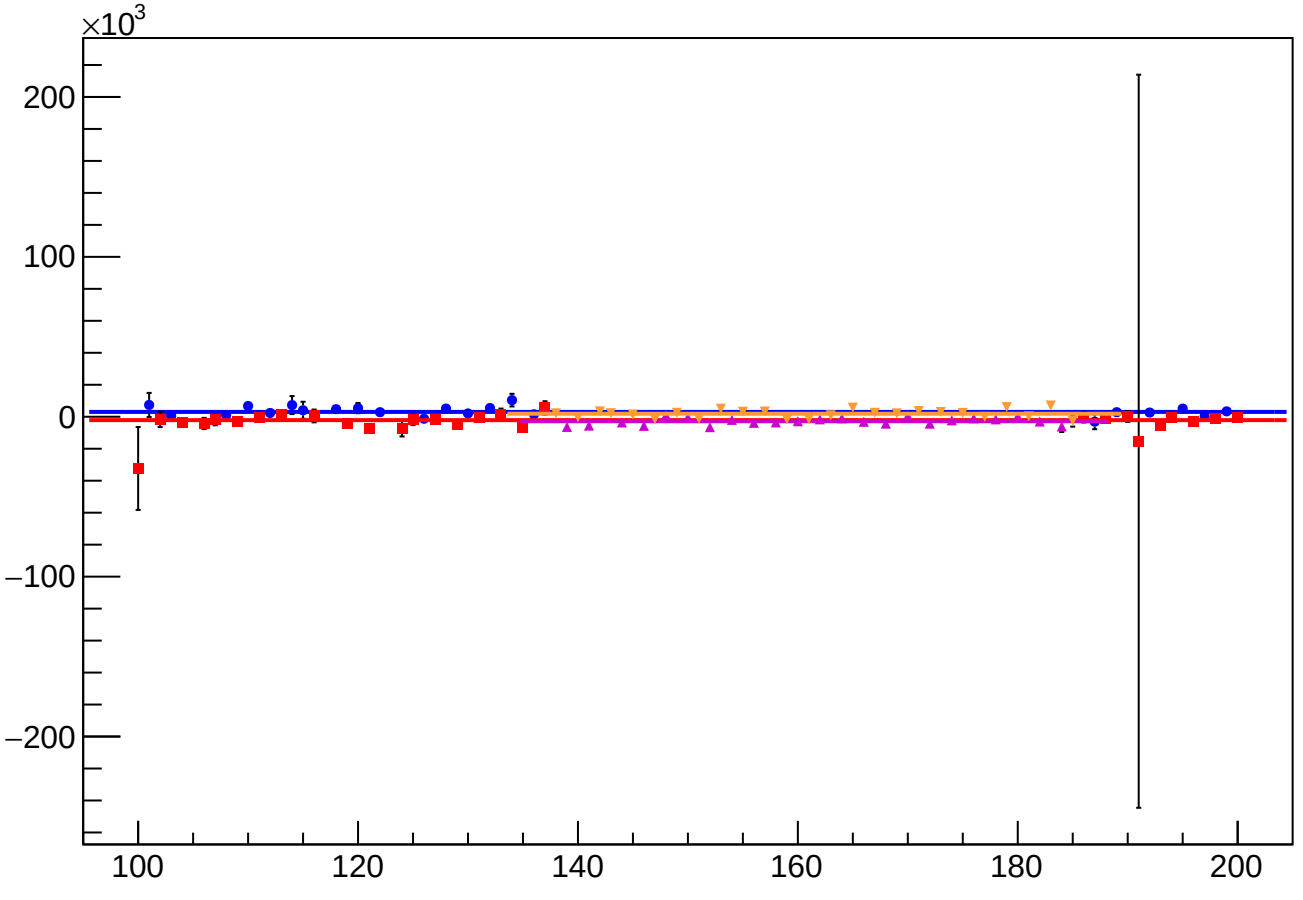
Right Out: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4670.208+/-0.617 χ^2/NDF: 3744153.8/46

All: 4561.418+/-0.427 χ^2/NDF: 9980236.6/97

- sign 4460.788+/-0.593 χ^2/NDF: 6176143.4/50



Right In: 3028.457+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2119.693+/-551.151 χ^2/NDF: 22.0/27

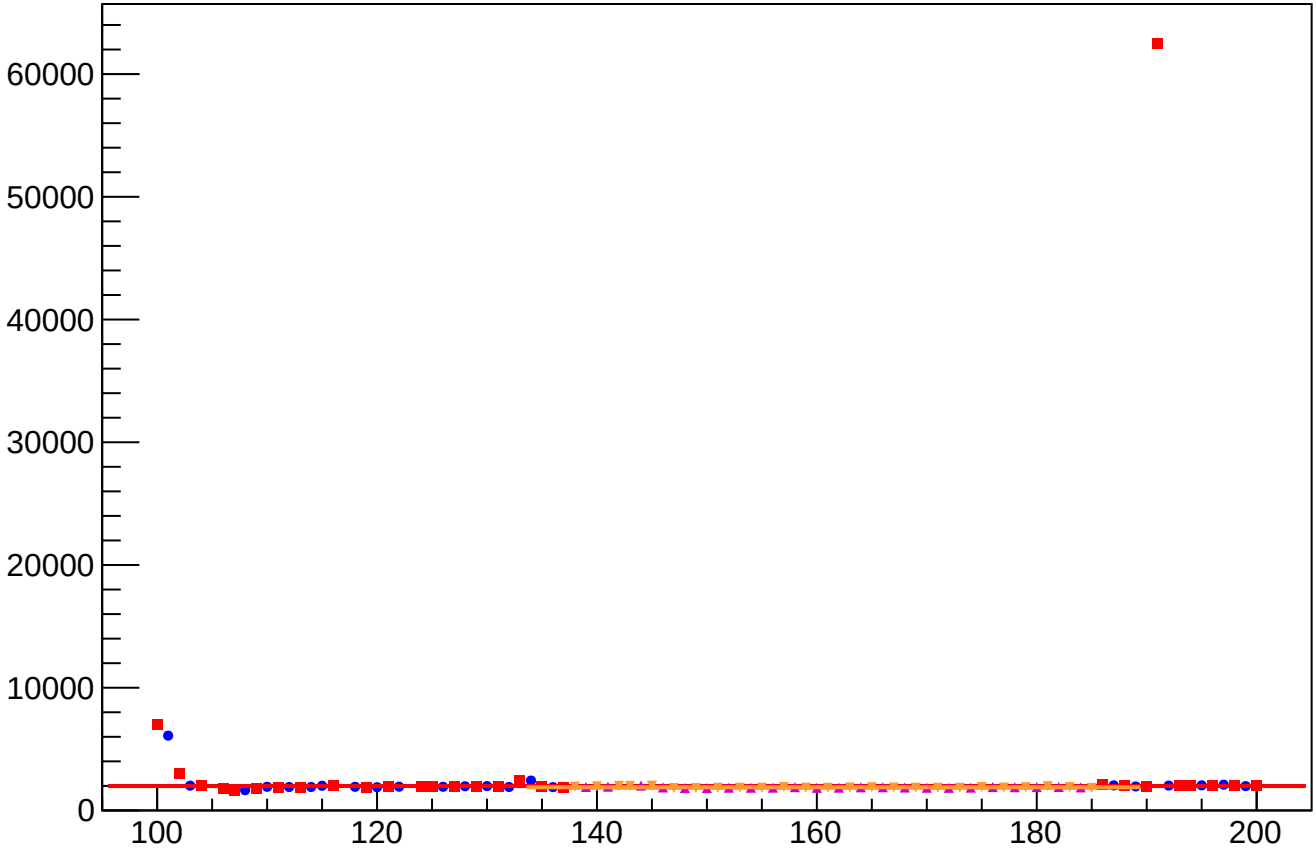
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.034+/-348.057 χ^2/NDF: 51.8/46

All: -162.587+/-244.485 χ^2/NDF: 196.8/97

- sign -2534.797+/-343.497 χ^2/NDF: 48.4/50

dit_asym_atr_avg_rms vs Slug



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.0/21

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.995+/-0.390 χ^2/NDF: 417104.5/27

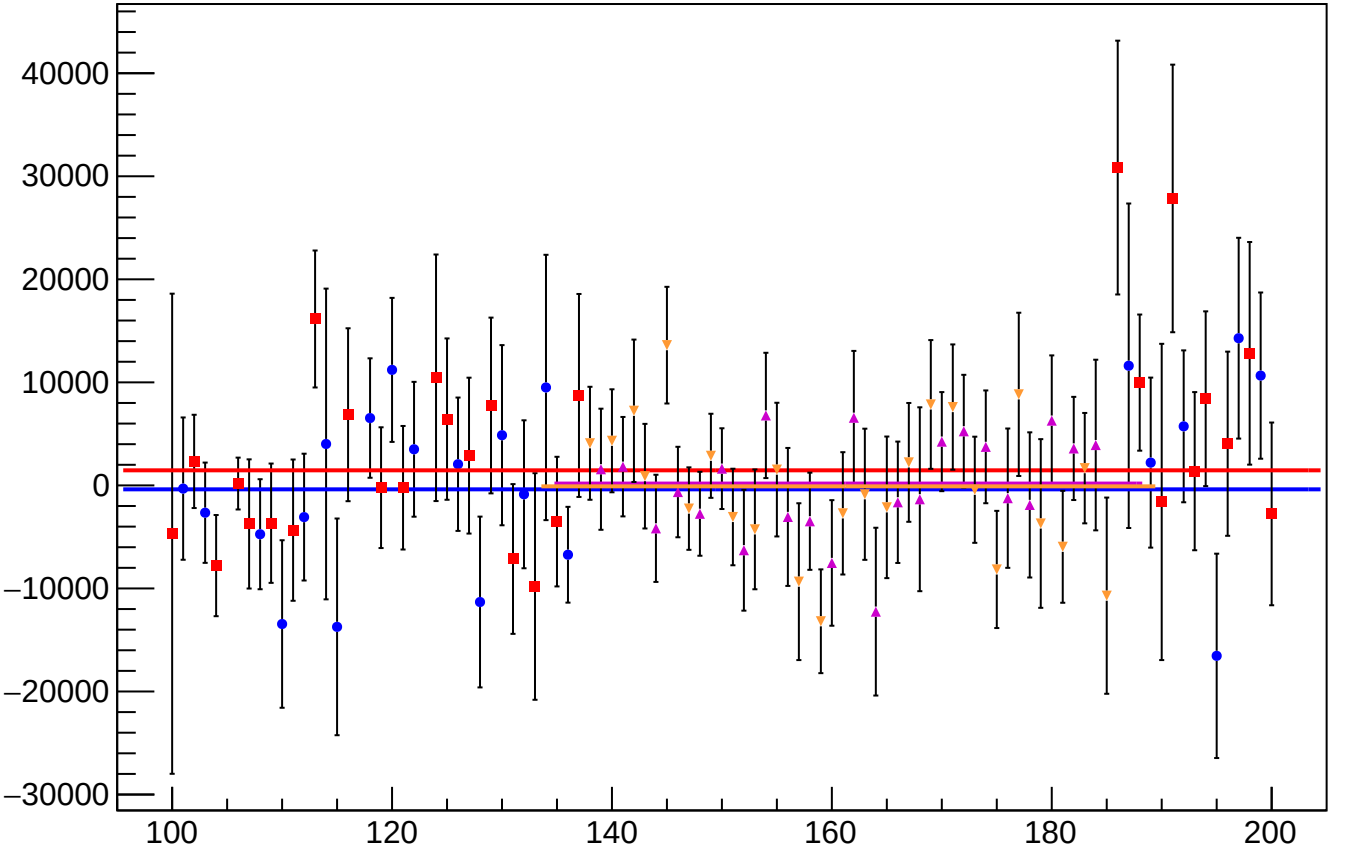
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1923.658+/-0.246 χ^2/NDF: 746650.6/46

All: 1922.982+/-0.173 χ^2/NDF: 1229299.2/97

- sign 1922.325+/-0.243 χ^2/NDF: 482633.8/50

asym_atr_avg_dit_correction_mean vs Slug



Right In: -382.432+/-1536.937 χ^2/NDF: 22.7/21

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1463.067+/-1247.899 χ^2/NDF: 30.3/27

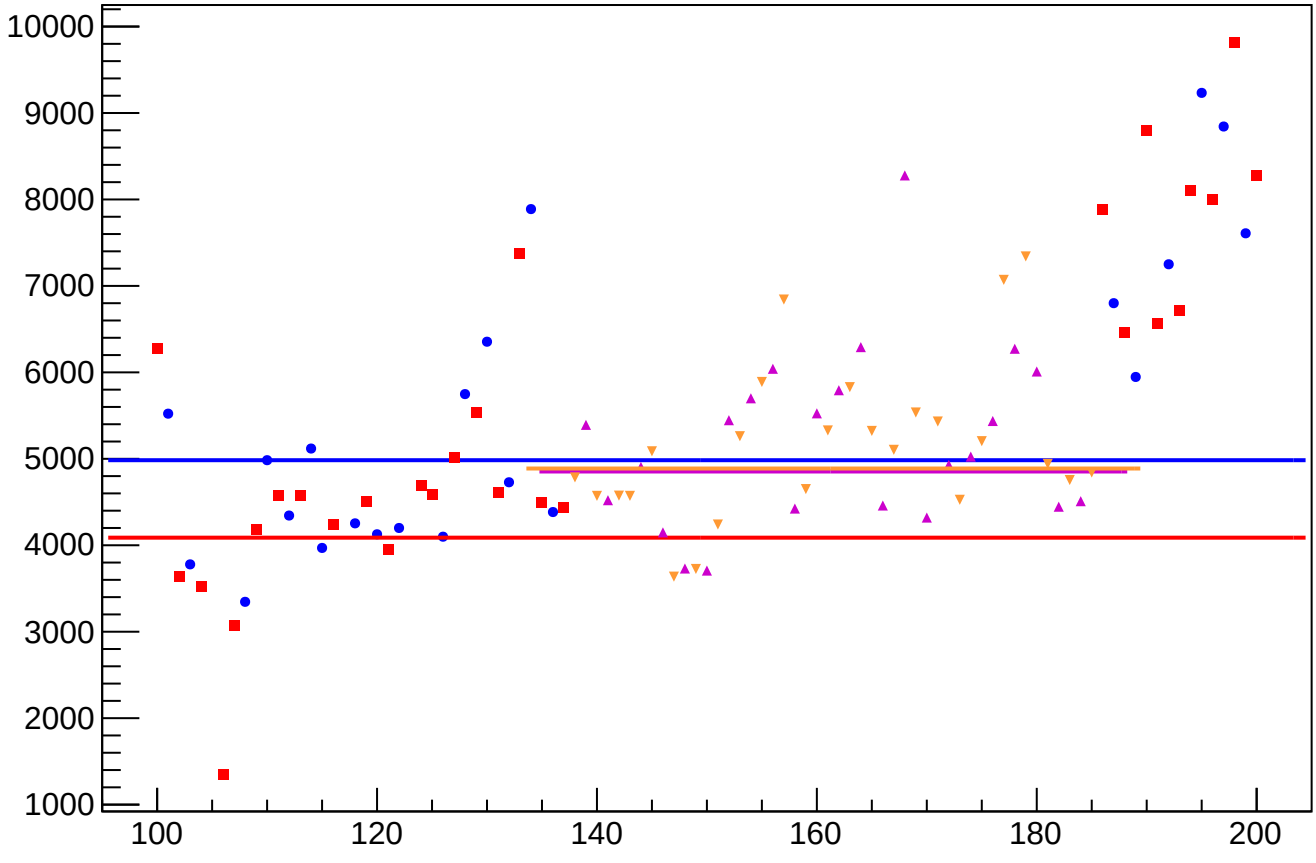
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -194.215+/-912.103 χ^2/NDF: 50.9/46

All: 323.485+/-621.080 χ^2/NDF: 95.9/97

- sign 771.047+/-848.069 χ^2/NDF: 44.5/50

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4983.945+/-1.087 χ^2/NDF: 1831019.3/21

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4087.939+/-0.882 χ^2/NDF: 5611388.1/27

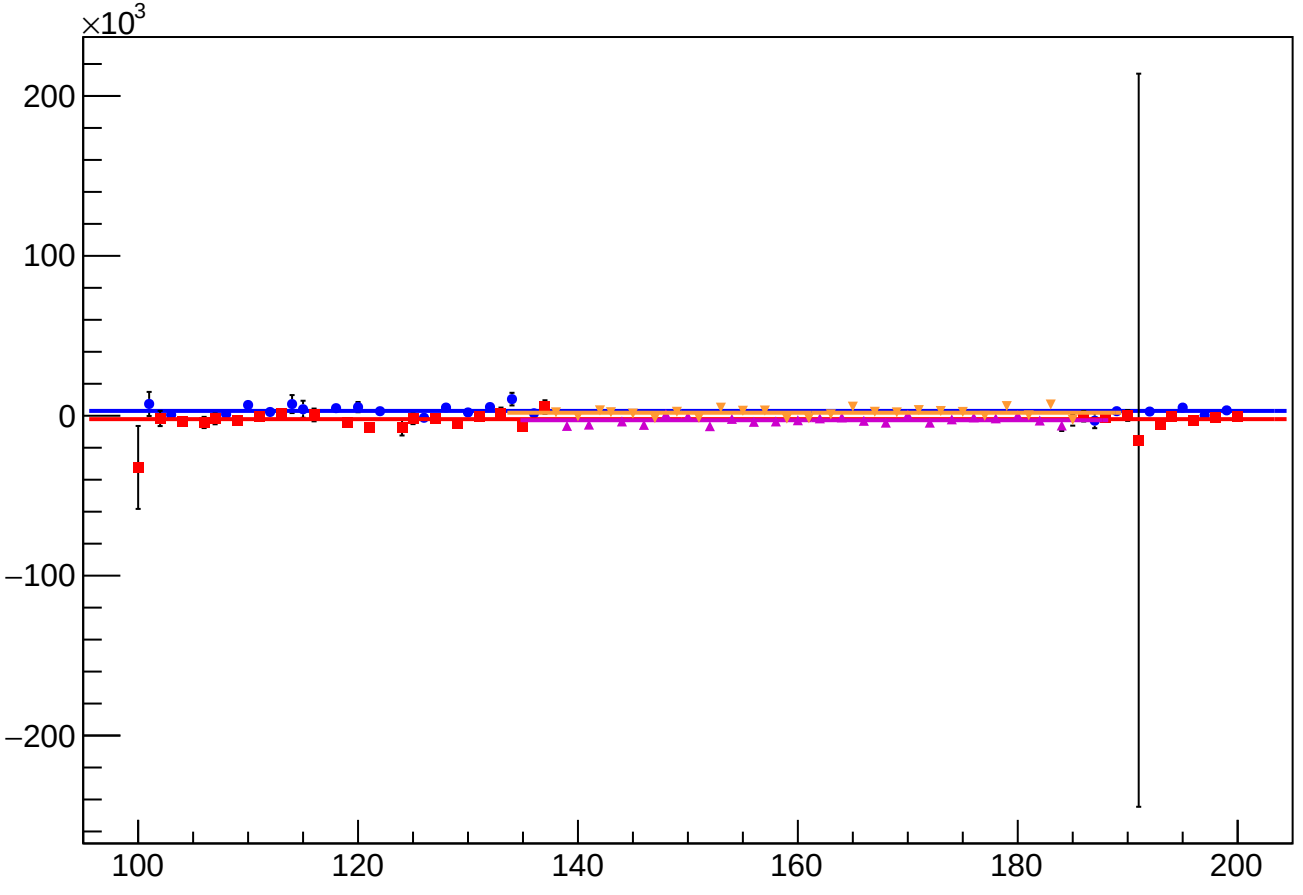
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4921.676+/-0.645 χ^2/NDF: 2899385.6/46

All: 4695.437+/-0.439 χ^2/NDF: 10323763.5/9

- sign 4499.850+/-0.600 χ^2/NDF: 7194952.1/50

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3028.460+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2119.695+/-551.151 χ^2/NDF: 22.0/27

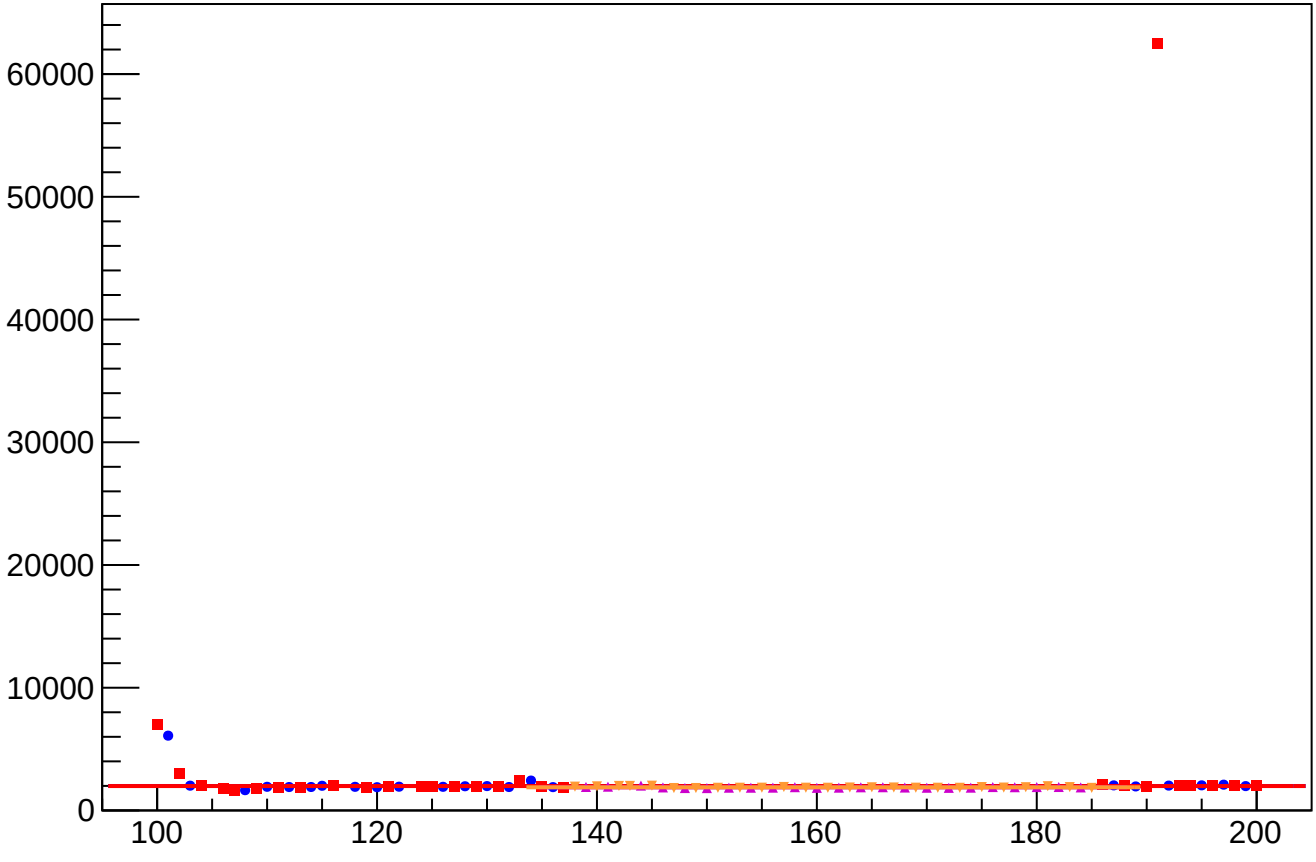
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.031+/-348.057 χ^2/NDF: 51.8/46

All: -162.588+/-244.485 χ^2/NDF: 196.8/97

- sign -2534.798+/-343.497 χ^2/NDF: 48.4/50

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.1/21

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.995+/-0.390 χ^2/NDF: 417104.0/27

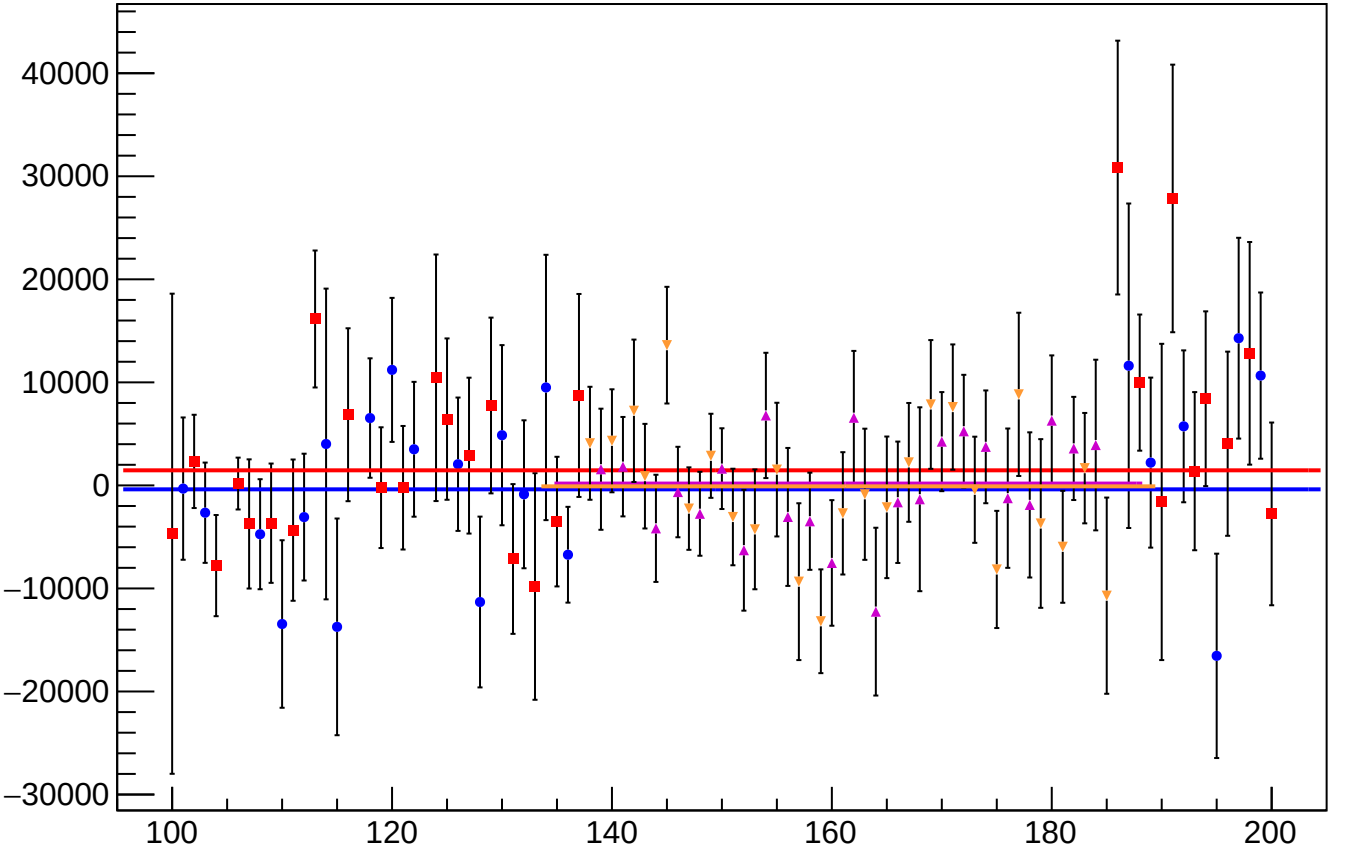
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1923.658+/-0.246 χ^2/NDF: 746649.9/46

All: 1922.983+/-0.173 χ^2/NDF: 1229297.4/97

- sign 1922.325+/-0.243 χ^2/NDF: 482632.6/50

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -382.420+/-1536.935 χ^2/NDF: 22.7/21

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1463.062+/-1247.897 χ^2/NDF: 30.3/27

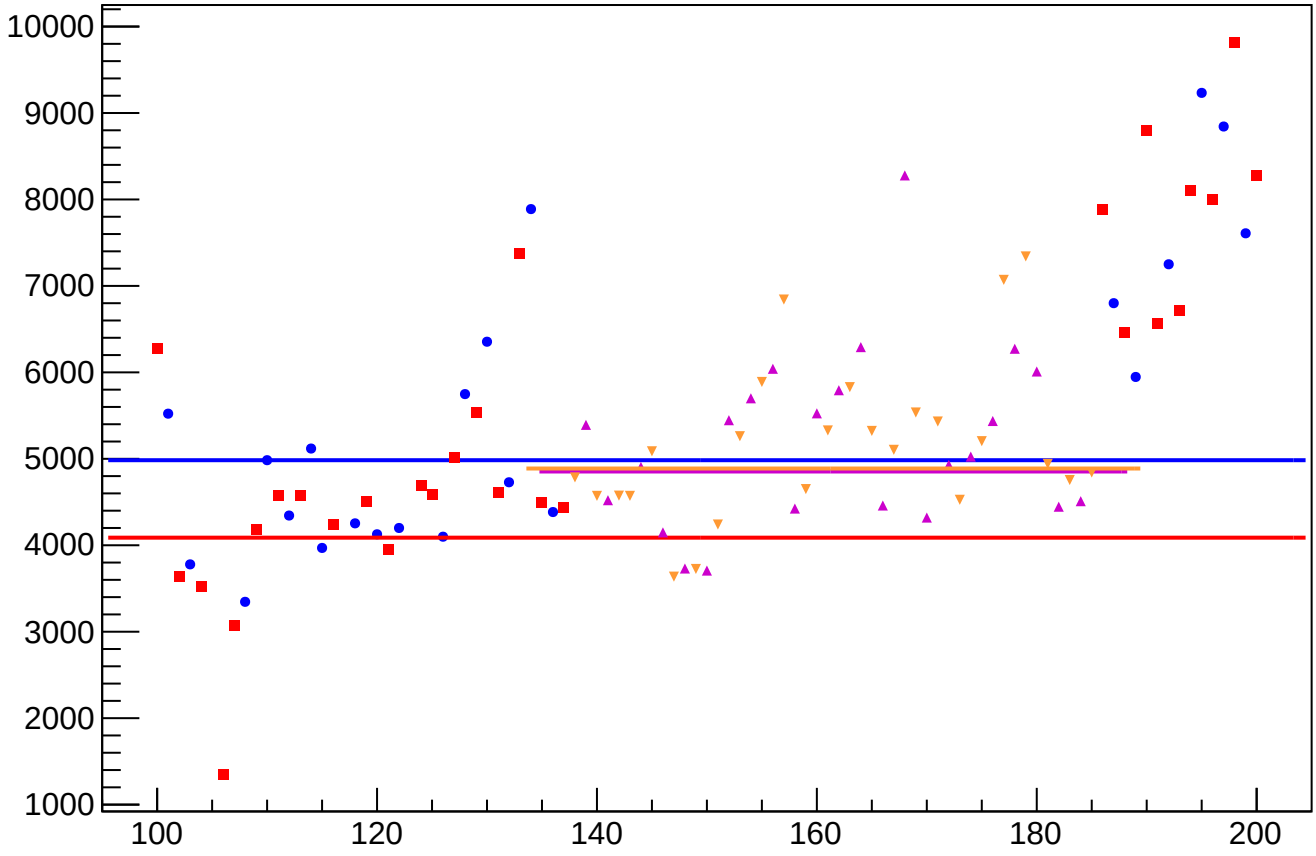
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -194.213+/-912.103 χ^2/NDF: 50.9/46

All: 323.487+/-621.080 χ^2/NDF: 95.9/97

- sign 771.048+/-848.069 χ^2/NDF: 44.5/50

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4983.938+/-1.087 χ^2/NDF: 1831028.5/21

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4087.929+/-0.882 χ^2/NDF: 5611411.6/27

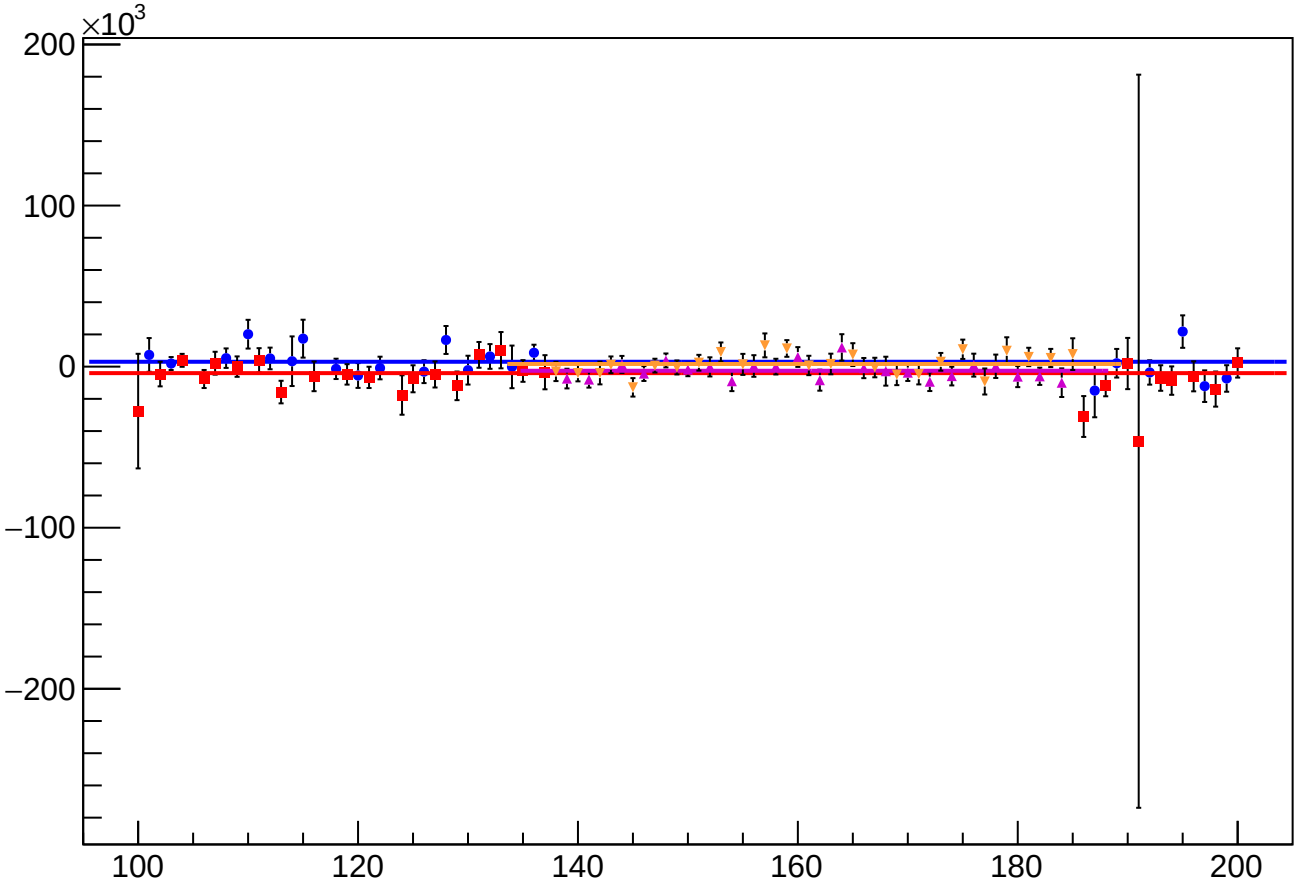
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4921.679+/-0.645 χ^2/NDF: 2899394.8/46

All: 4695.438+/-0.439 χ^2/NDF: 10323820.9/9

- sign 4499.848+/-0.600 χ^2/NDF: 7194995.9/50

asym_atr_avg_mean vs Slug



Right In: 3023.522+/-1614.523 χ^2/NDF: 22.0/21

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4028.409+/-1491.056 χ^2/NDF: 23.6/27

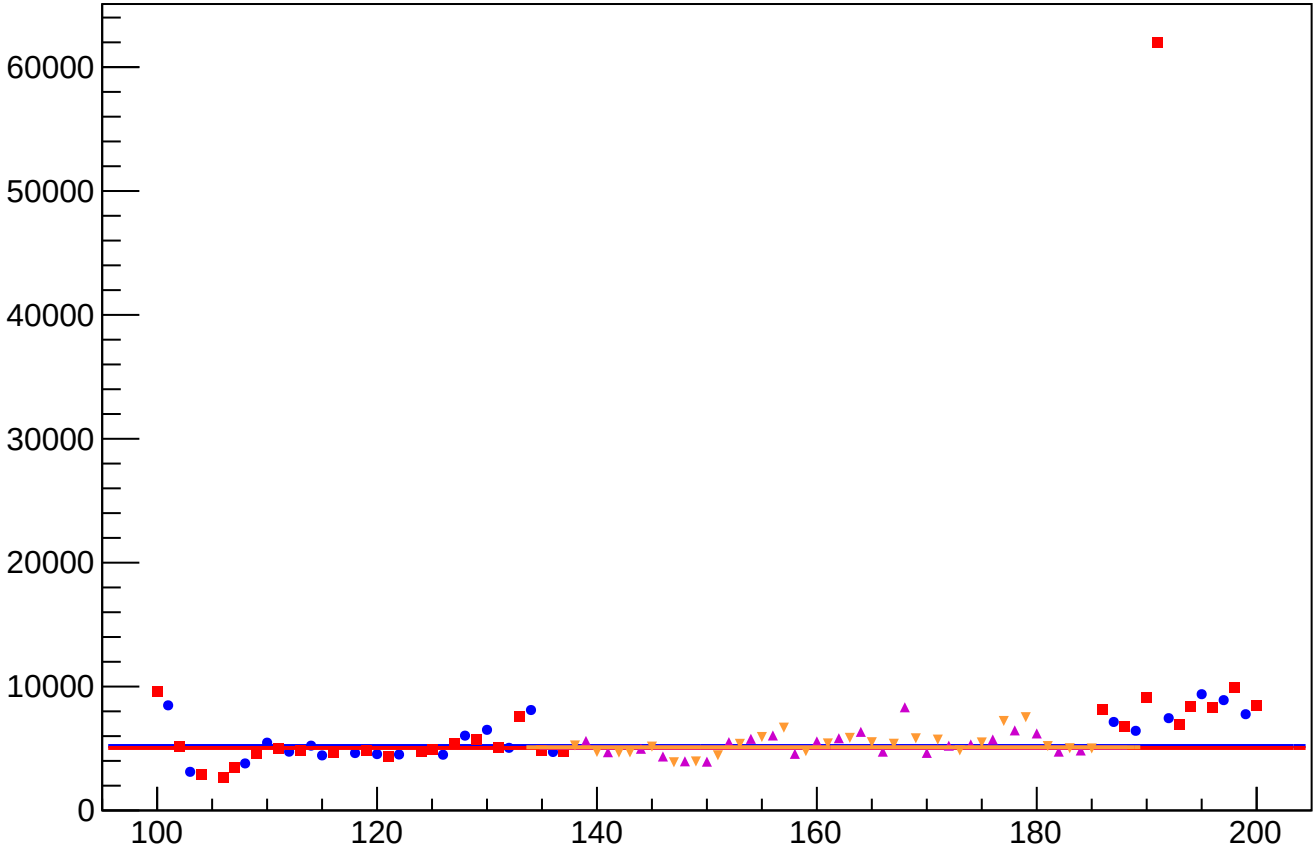
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2130.531+/-951.968 χ^2/NDF: 48.5/46

All: -547.652+/-667.770 χ^2/NDF: 104.2/97

- sign -3141.999+/-936.949 χ^2/NDF: 40.1/50

asym_atr_avg_rms vs Slug



Right In: 5199.809+/-1.142 χ^2/NDF: 2171593.6/21

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5044.256+/-1.047 χ^2/NDF: 3156134.3/27

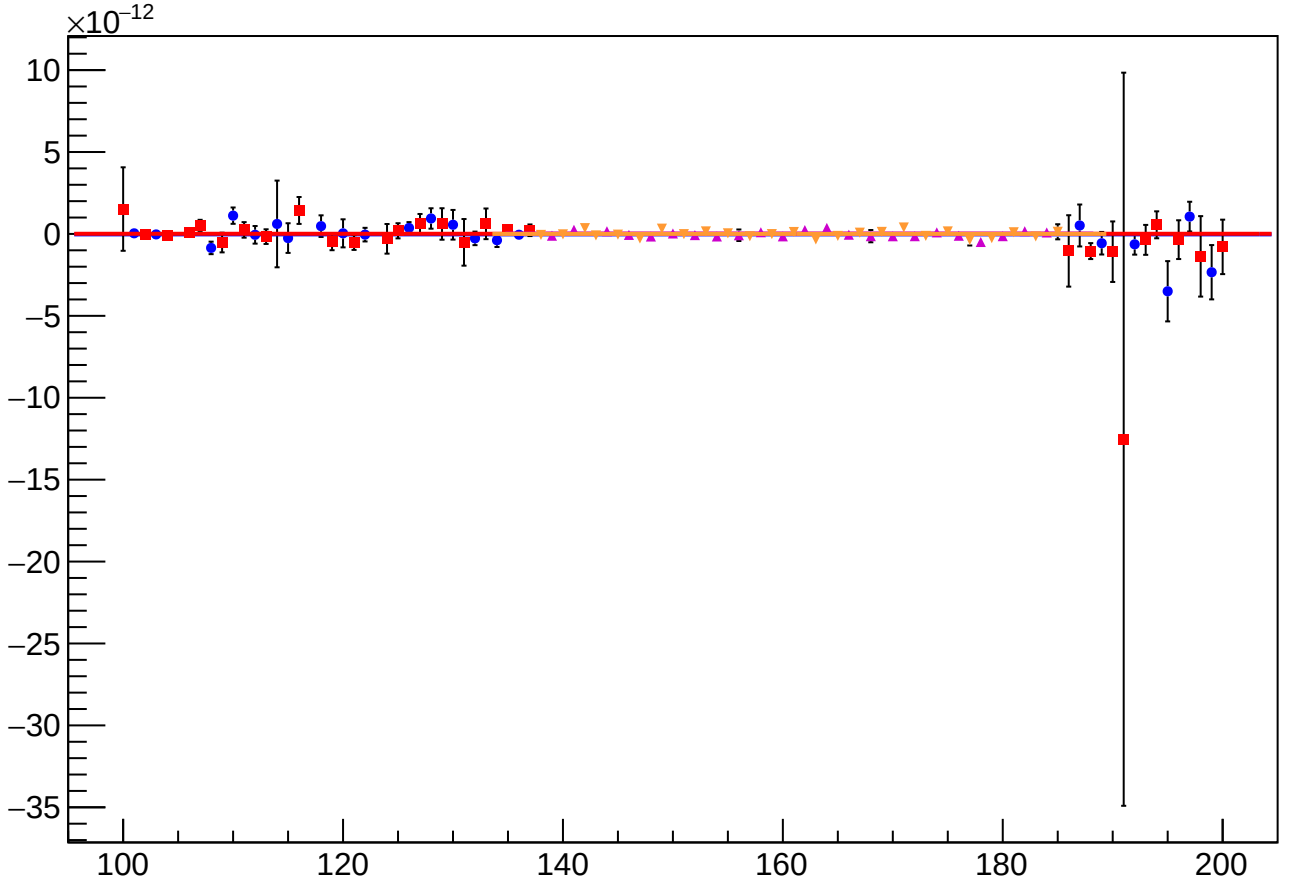
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5135.118+/-0.673 χ^2/NDF: 3085846.3/46

All: 5097.817+/-0.472 χ^2/NDF: 7240395.7/97

- sign 5061.882+/-0.661 χ^2/NDF: 4148520.6/50

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

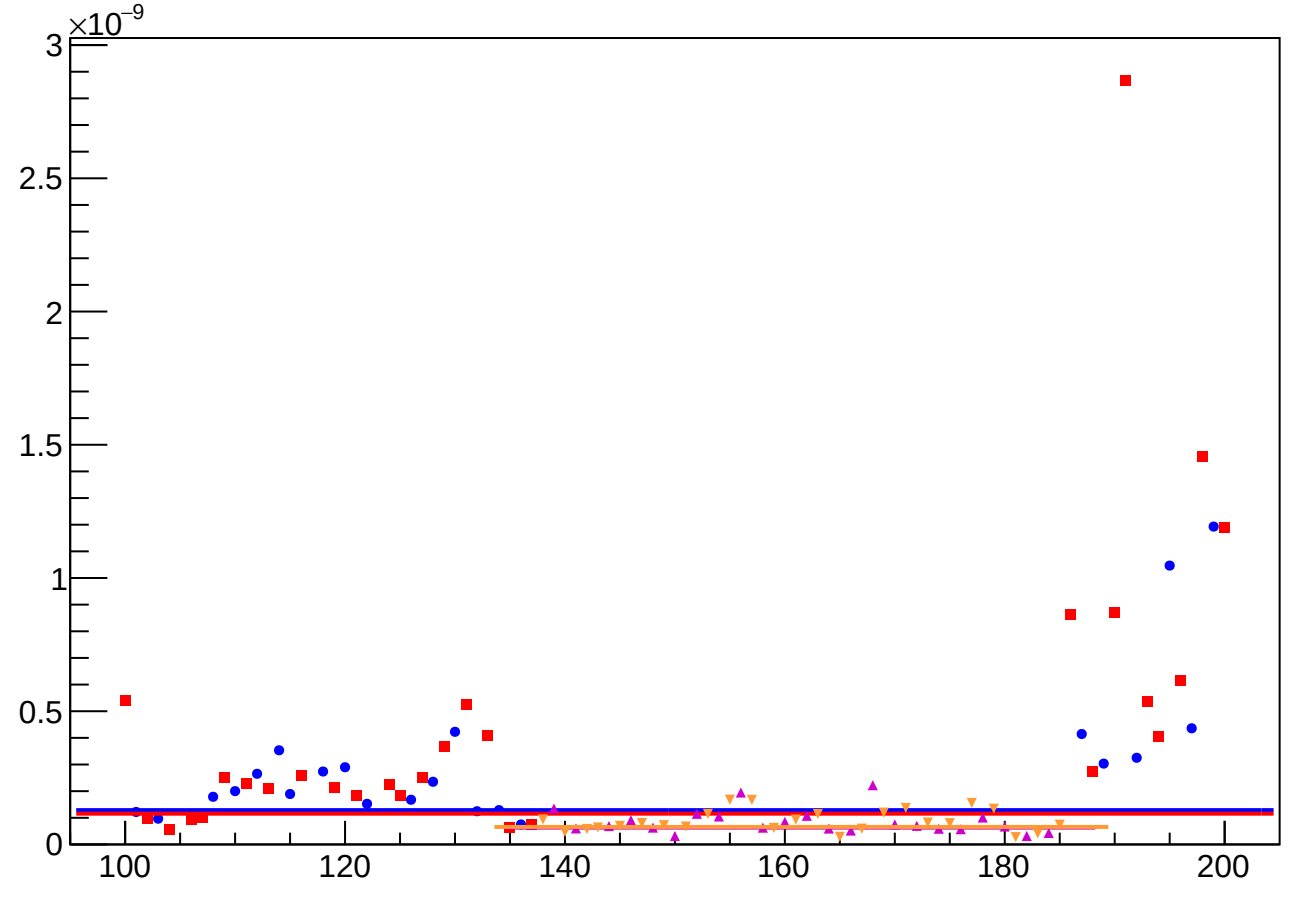
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/27

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/46

All: 0.000+/-0.000 χ^2/NDF: 112.8/97

- sign 0.000+/-0.000 χ^2/NDF: 54.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3122472.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5204653.8/27

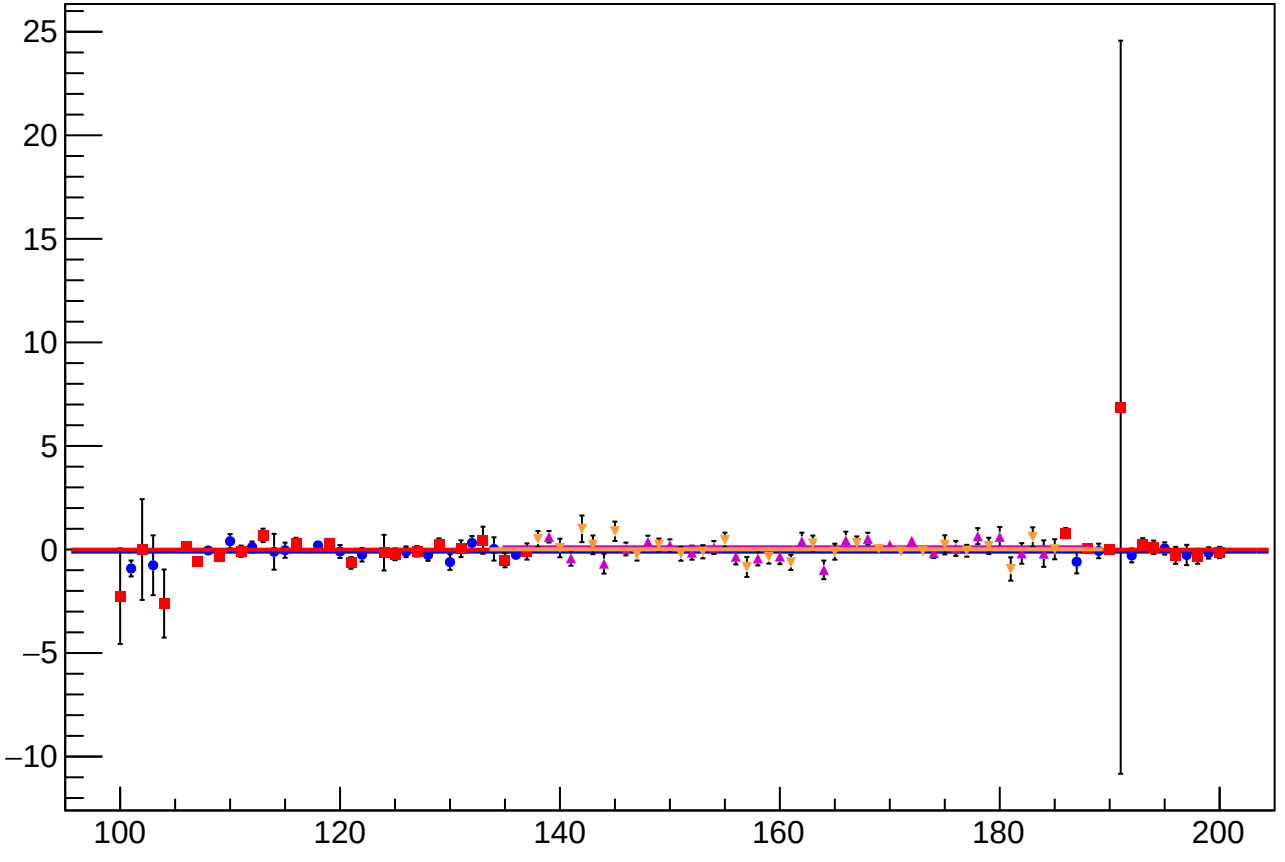
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6873347.8/46

All: 0.000+/-0.000 χ^2/NDF: 15235512.4/97

- sign 0.000+/-0.000 χ^2/NDF: 8344570.0/50

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.008+/-0.054 χ^2/NDF: 42.3/27

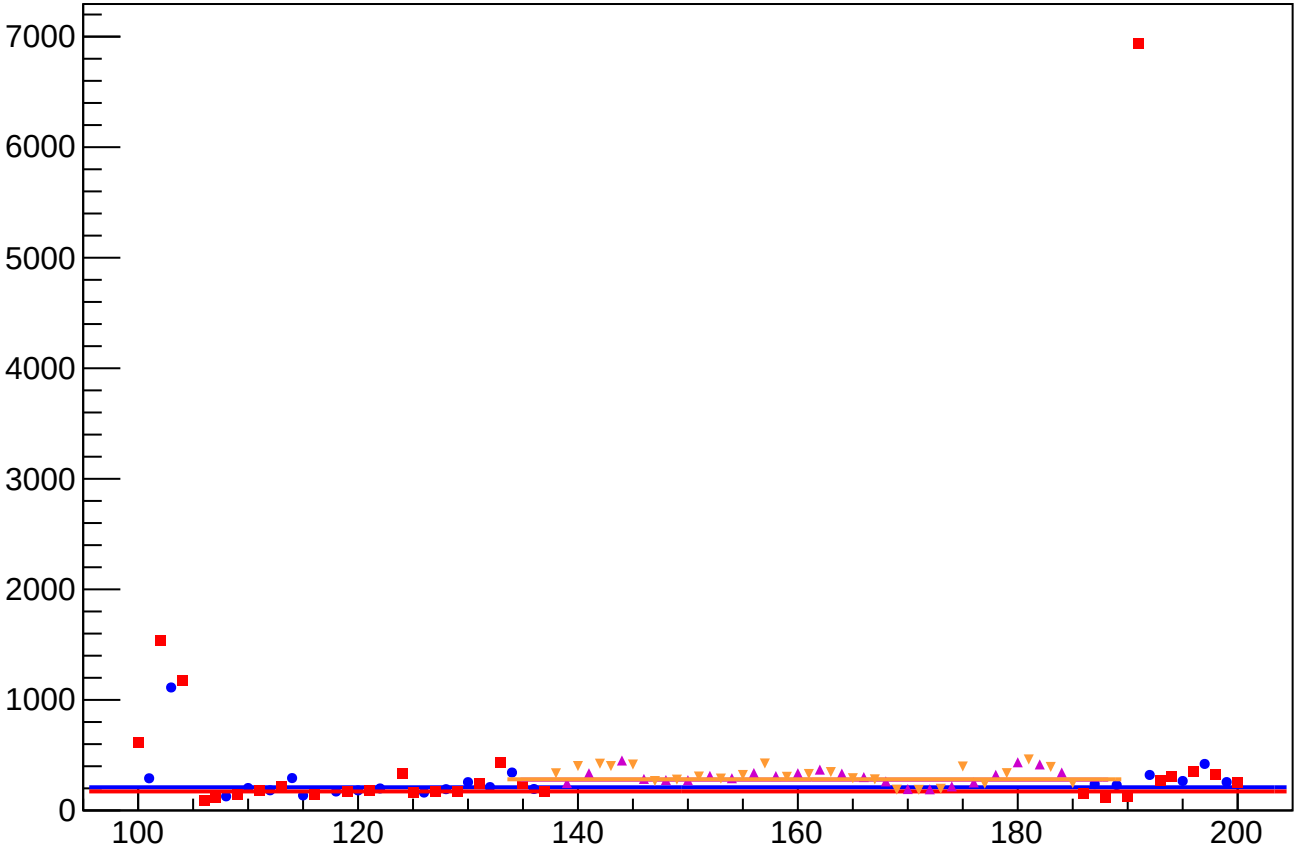
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: -0.000+/-0.032 χ^2/NDF: 119.1/97

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

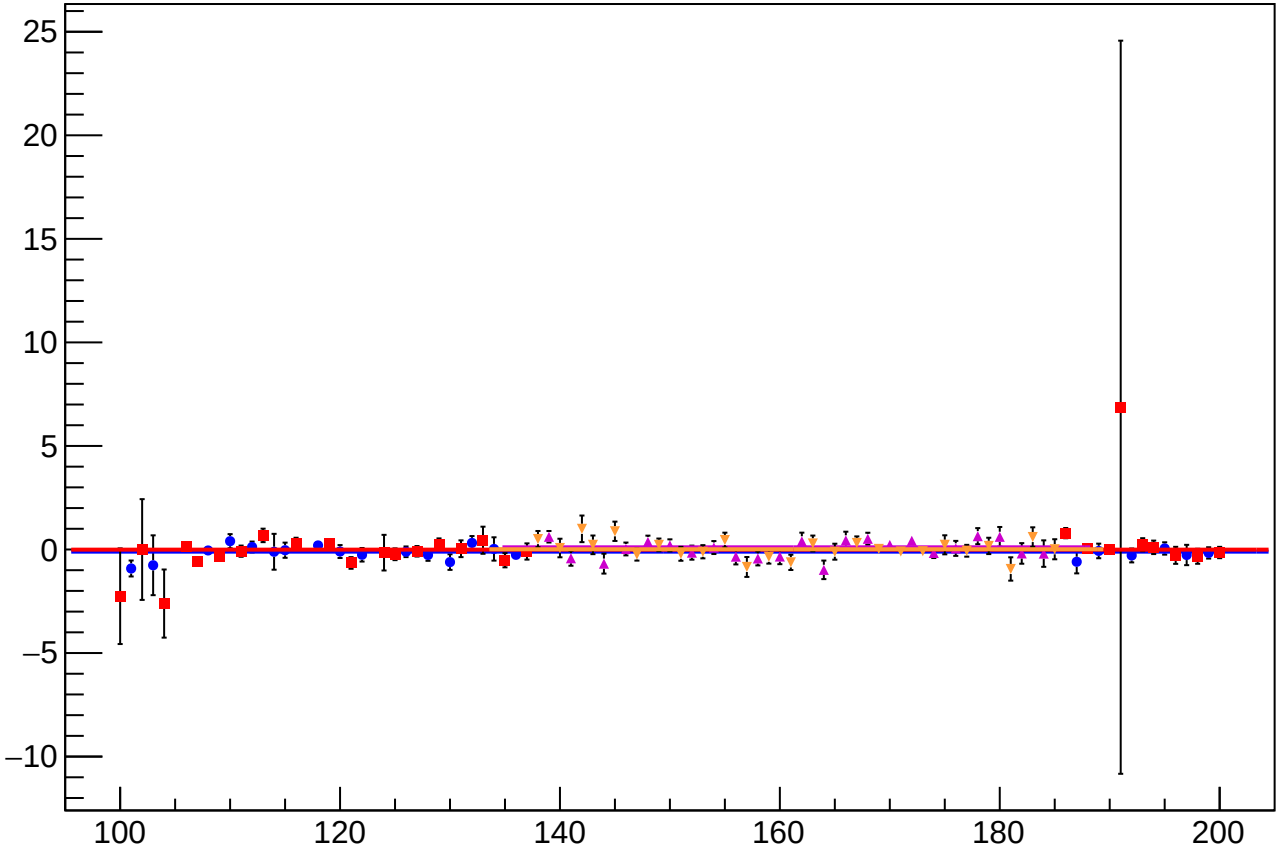
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.498+/-0.034 χ^2/NDF: 5990401.2/46

All: 227.259+/-0.022 χ^2/NDF: 16093474.6/97

- sign 212.937+/-0.030 χ^2/NDF: 9586915.2/50

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.008+/-0.054 χ^2/NDF: 42.3/27

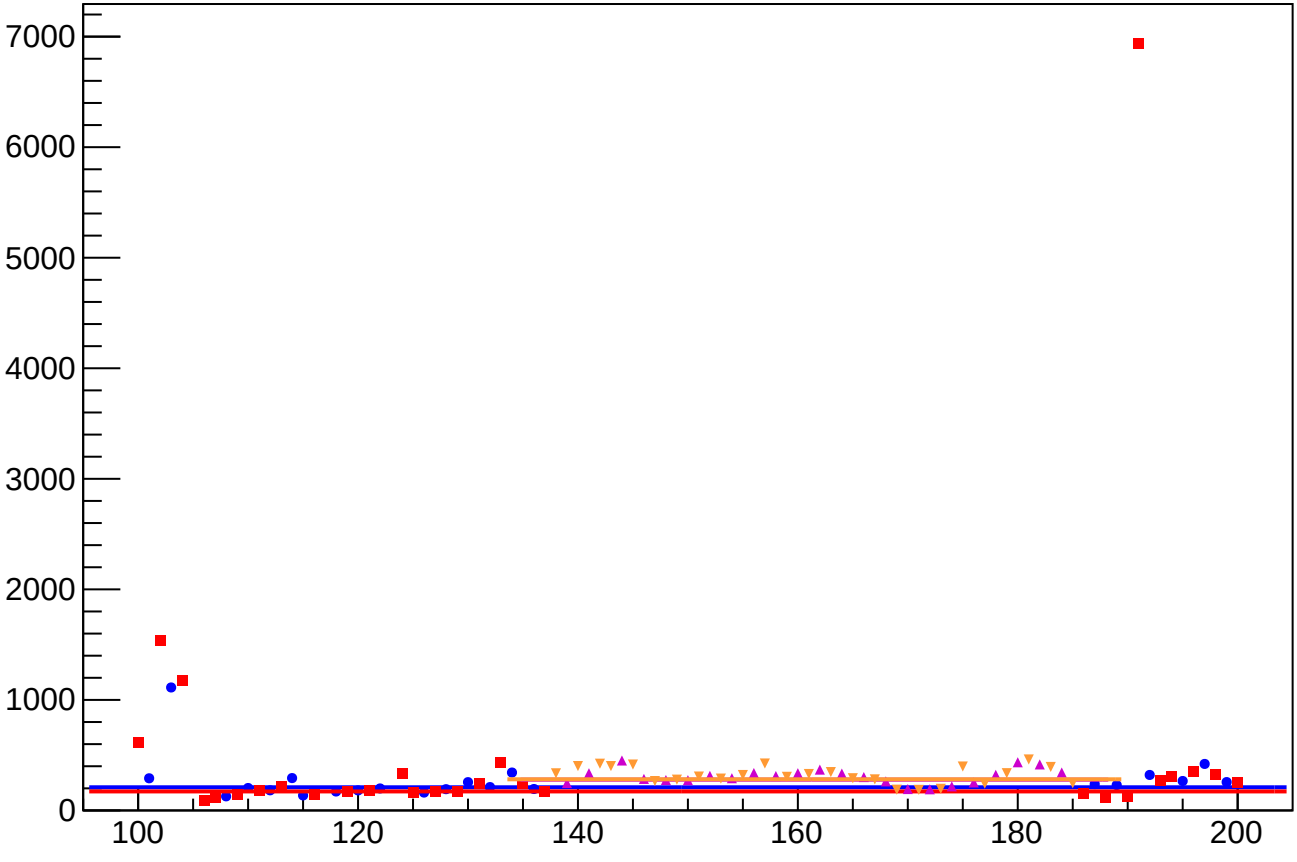
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: -0.000+/-0.032 χ^2/NDF: 119.1/97

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

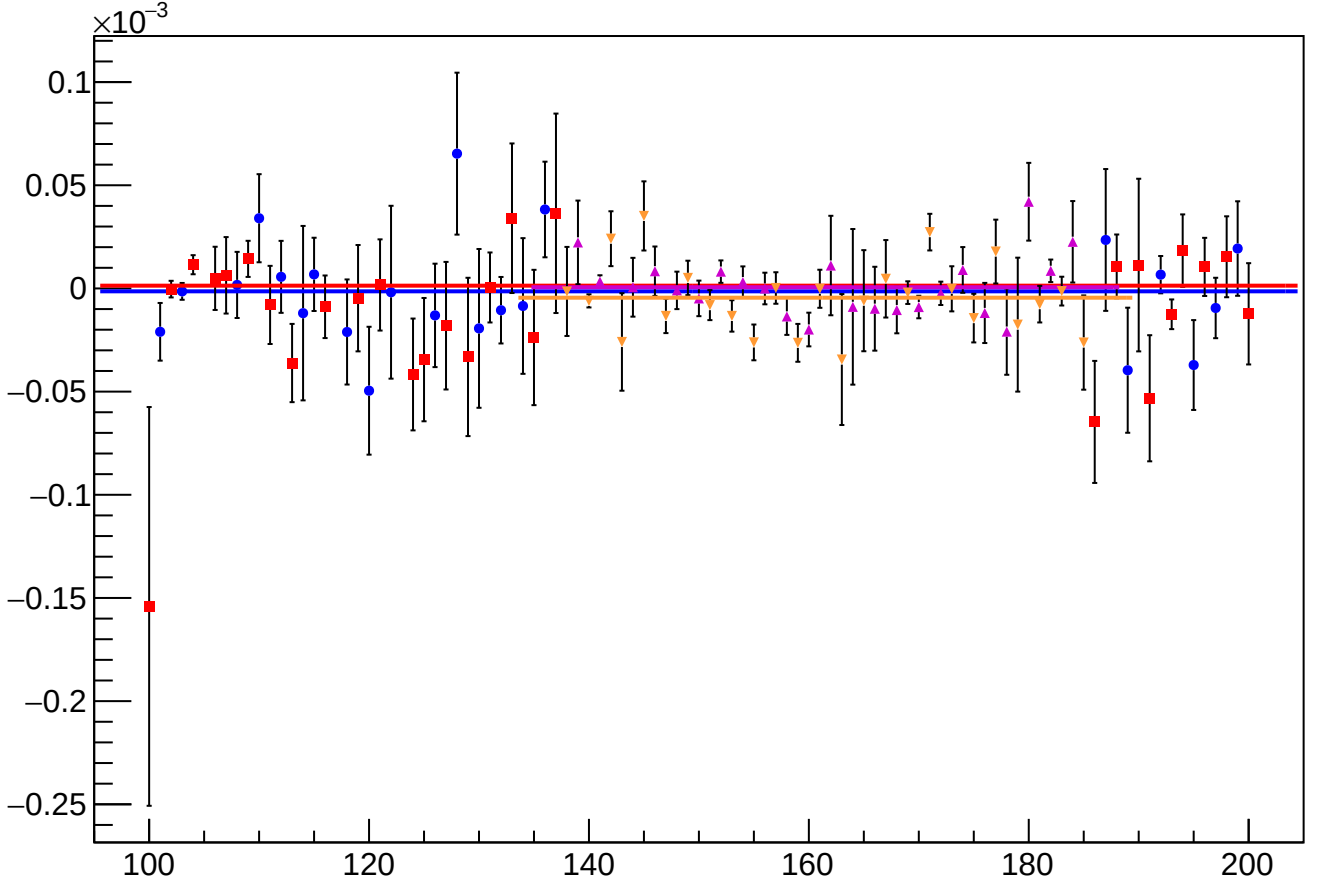
Right Out: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.498+/-0.034 χ^2/NDF: 5990401.2/46

All: 227.259+/-0.022 χ^2/NDF: 16093474.6/97

- sign 212.937+/-0.030 χ^2/NDF: 9586915.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/27

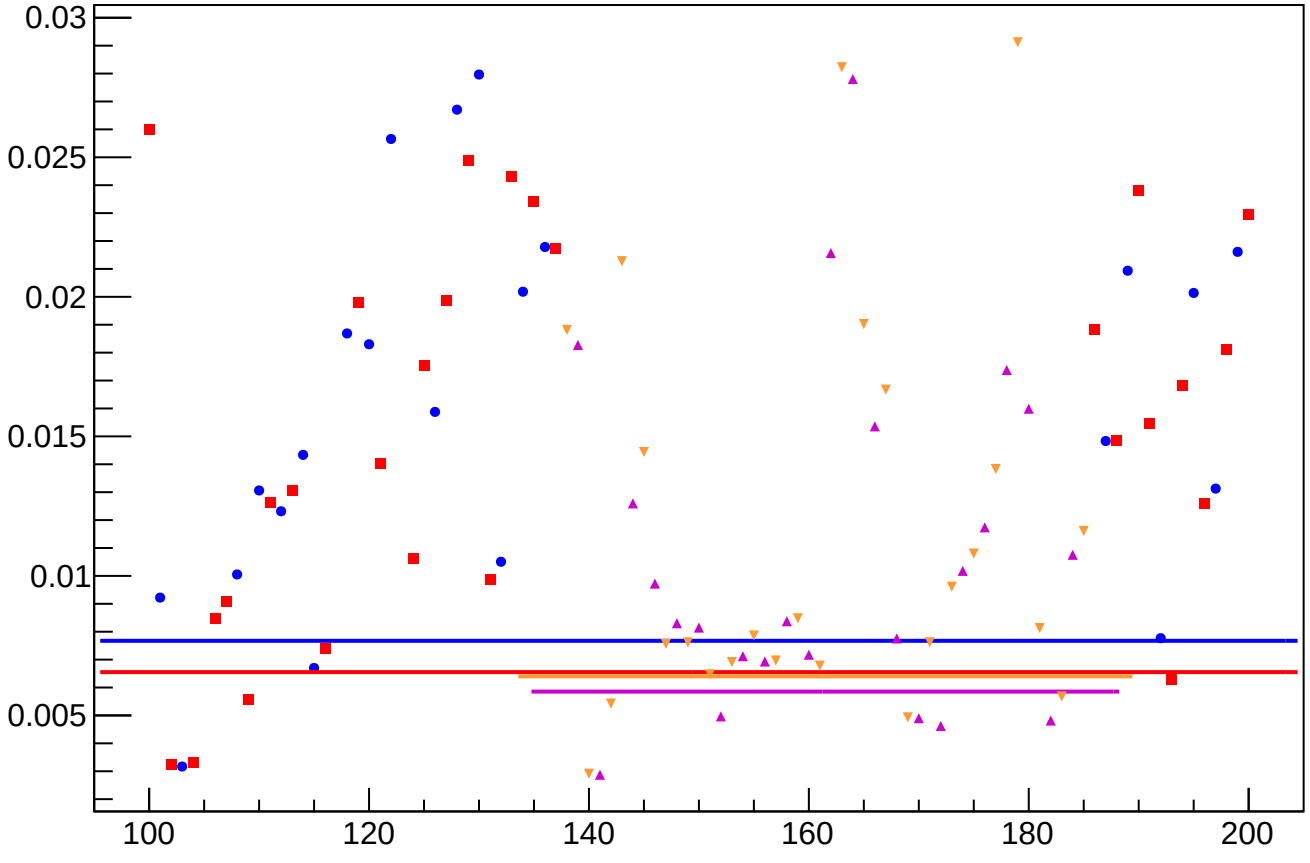
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.8/46

All: -0.000+/-0.000 χ^2/NDF: 139.3/97

- sign 0.000+/-0.000 χ^2/NDF: 65.3/50

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8291005.0/21

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10209743.6/27

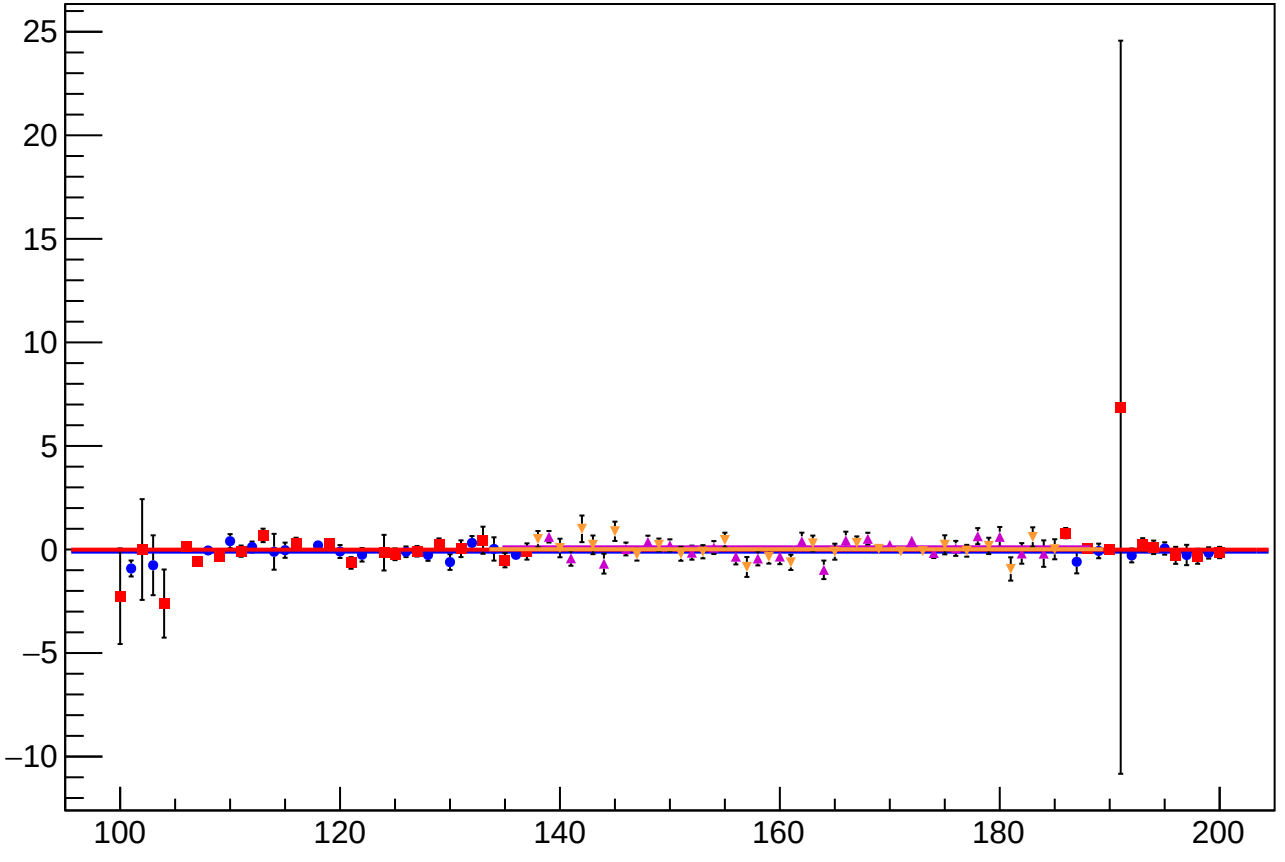
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 17532398.2/46

All: 0.006+/-0.000 χ^2/NDF: 36209783.7/97

- sign 0.006+/-0.000 χ^2/NDF: 18477269.0/50

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.008+/-0.054 χ^2/NDF: 42.3/27

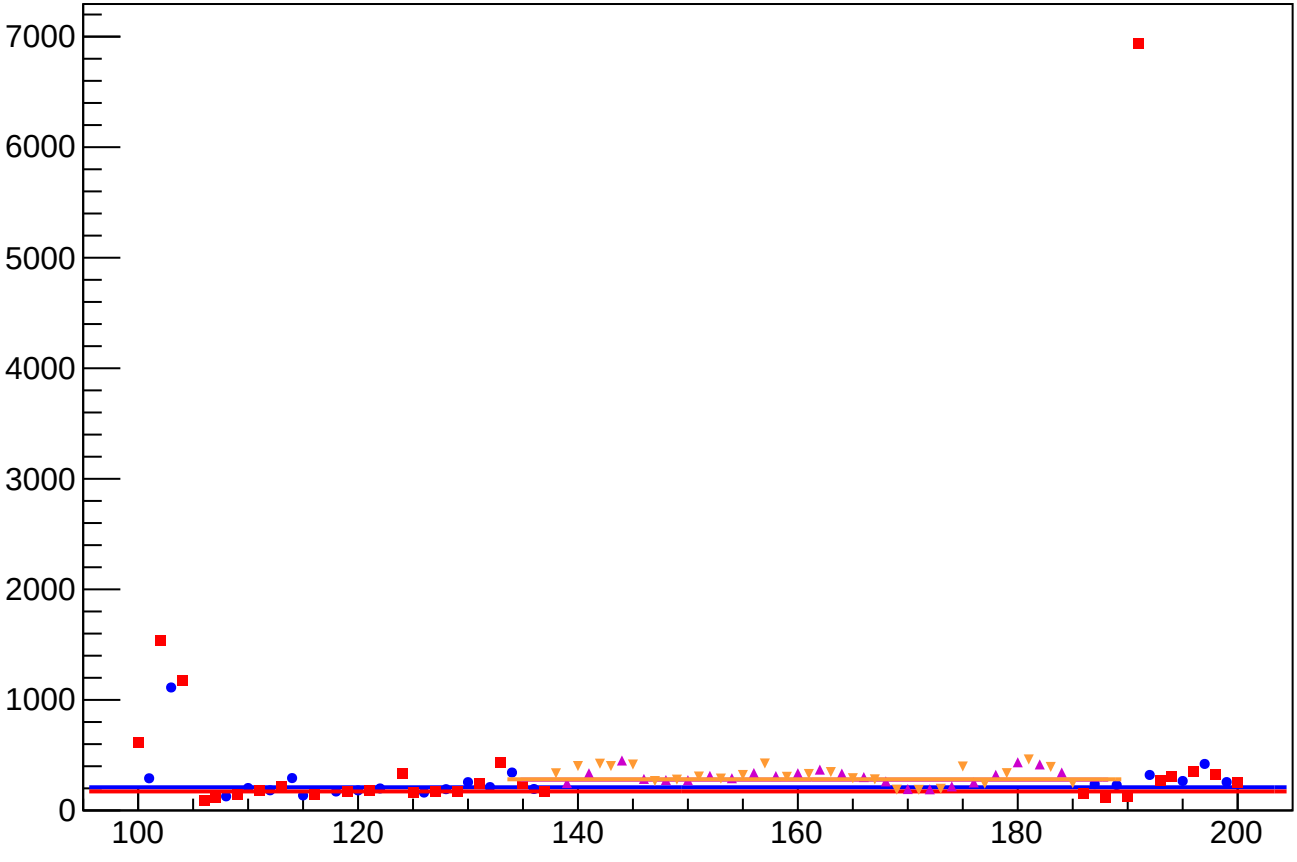
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: -0.000+/-0.032 χ^2/NDF: 119.1/97

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

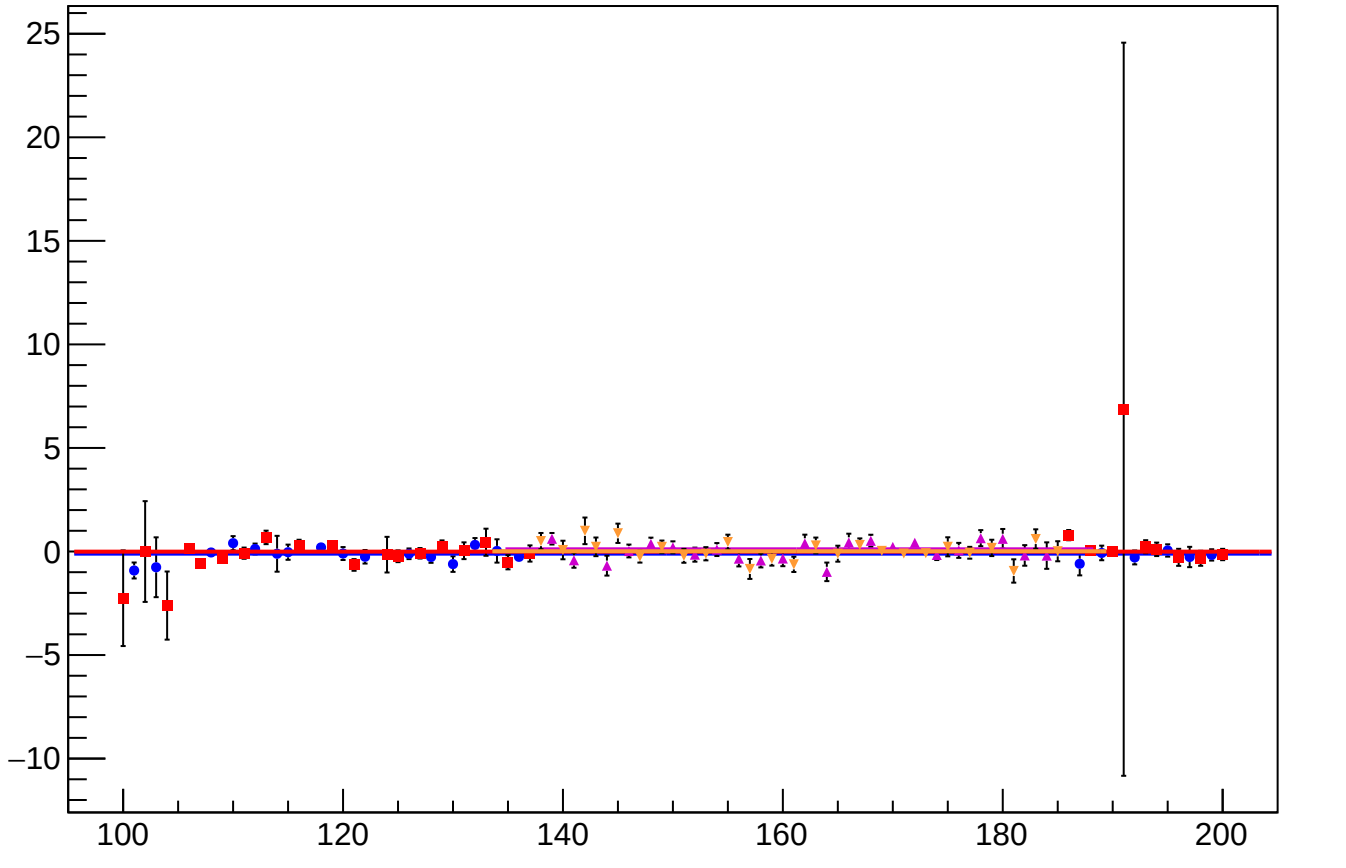
Right Out: 172.114+/-0.038 χ^2/NDF: 4829466.0/27

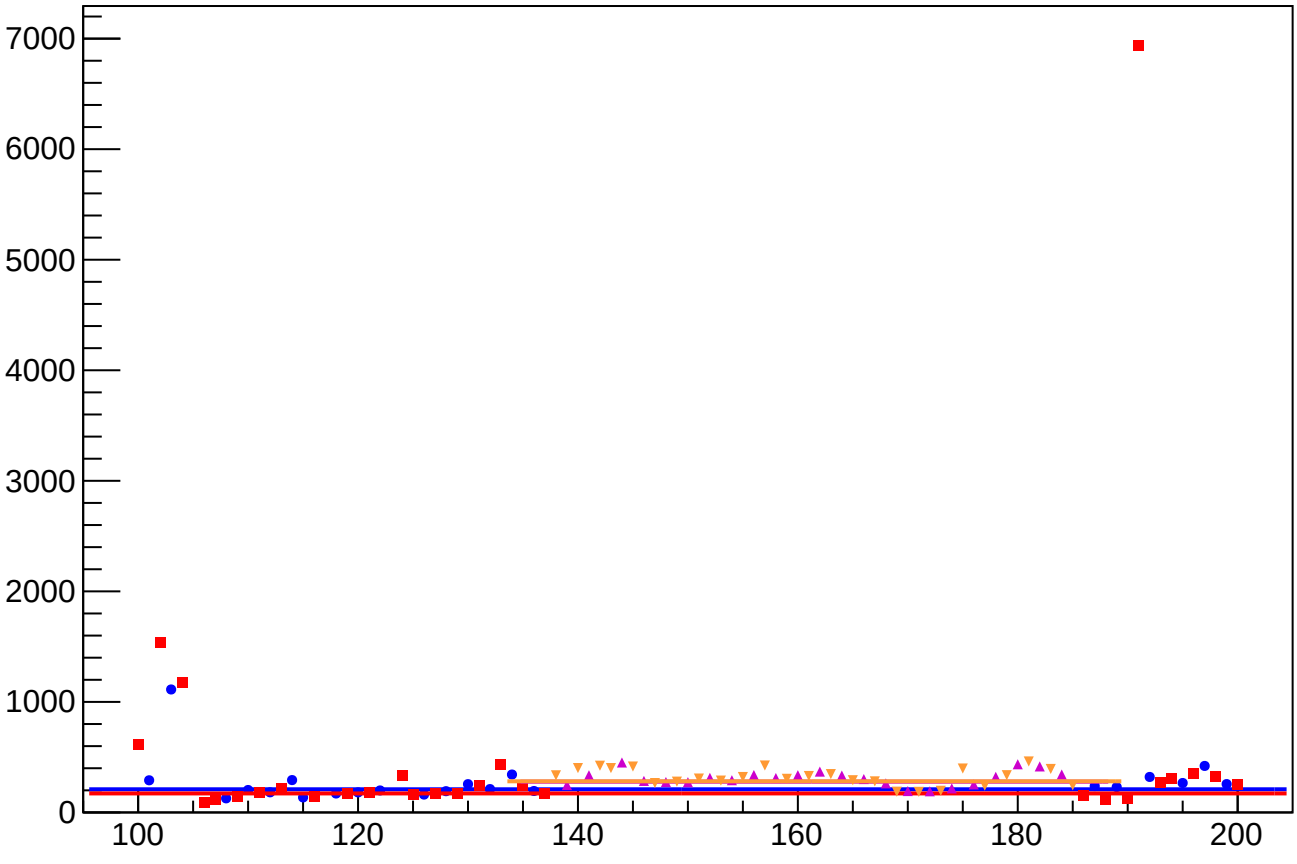
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

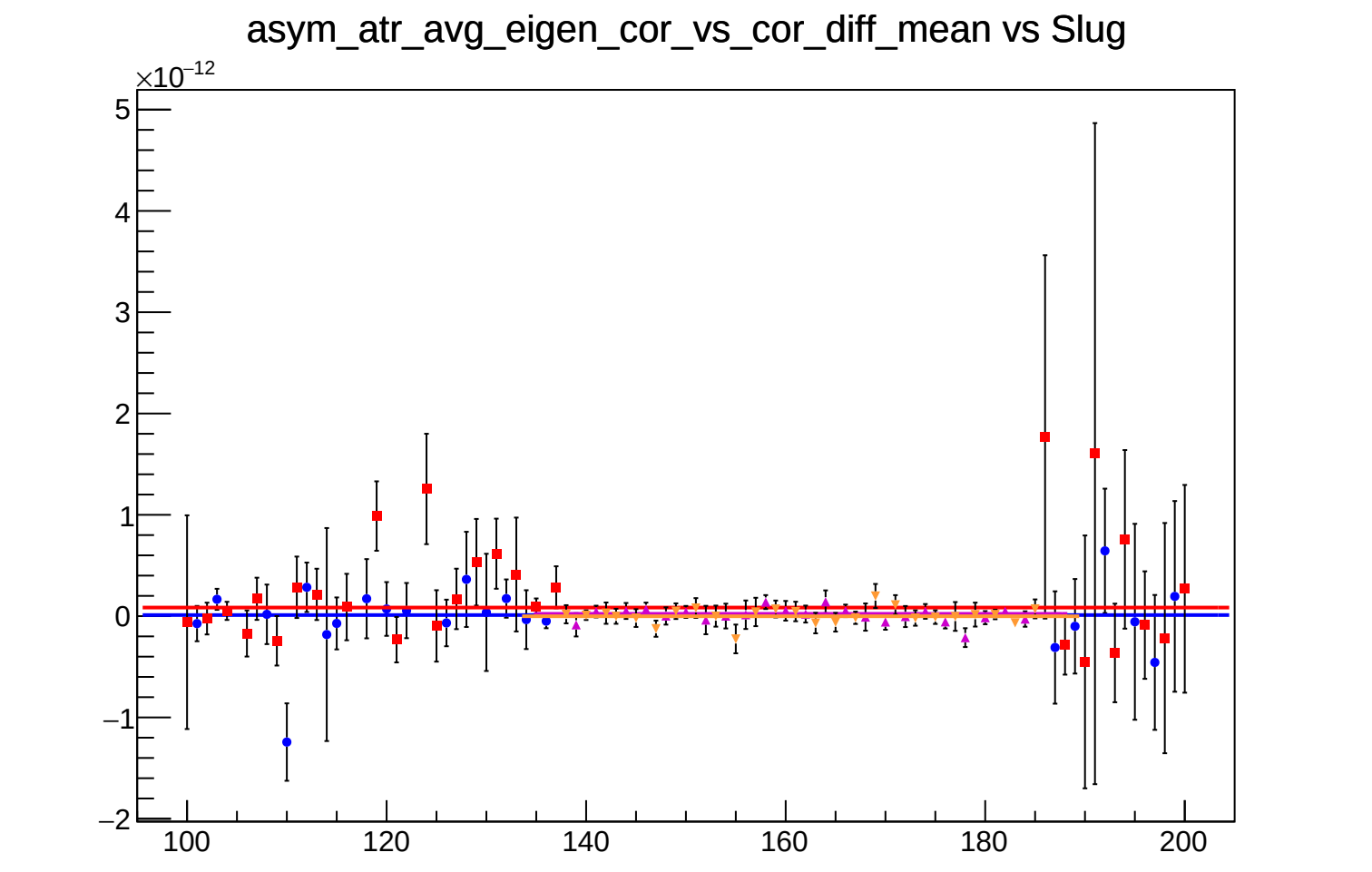
+ sign 245.499+/-0.034 χ^2/NDF: 5990546.5/46

All: 227.258+/-0.022 χ^2/NDF: 16094195.4/97

- sign 212.934+/-0.030 χ^2/NDF: 9587397.9/50


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.104+/-0.068 χ²/NDF: 15.4/21
Left Out: 0.012+/-0.068 χ²/NDF:25.2/24
Right Out: -0.008+/-0.054 χ²/NDF: 42.3/27
Left In: 0.105+/-0.069 χ²/NDF:31.4/22
+ sign -0.047+/-0.048 χ²/NDF: 42.0/46
All: -0.000+/-0.032 χ²/NDF: 119.1/97
- sign 0.036+/-0.043 χ²/NDF: 75.4/50


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 209.616+/-0.048 χ²/NDF: 2336895.6/21
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 172.114+/-0.038 χ²/NDF: 4829466.0/27
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 245.499+/-0.034 χ²/NDF: 5990546.5/46
All: 227.258+/-0.022 χ²/NDF: 16094195.4/97
- sign 212.934+/-0.030 χ²/NDF: 9587397.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/27

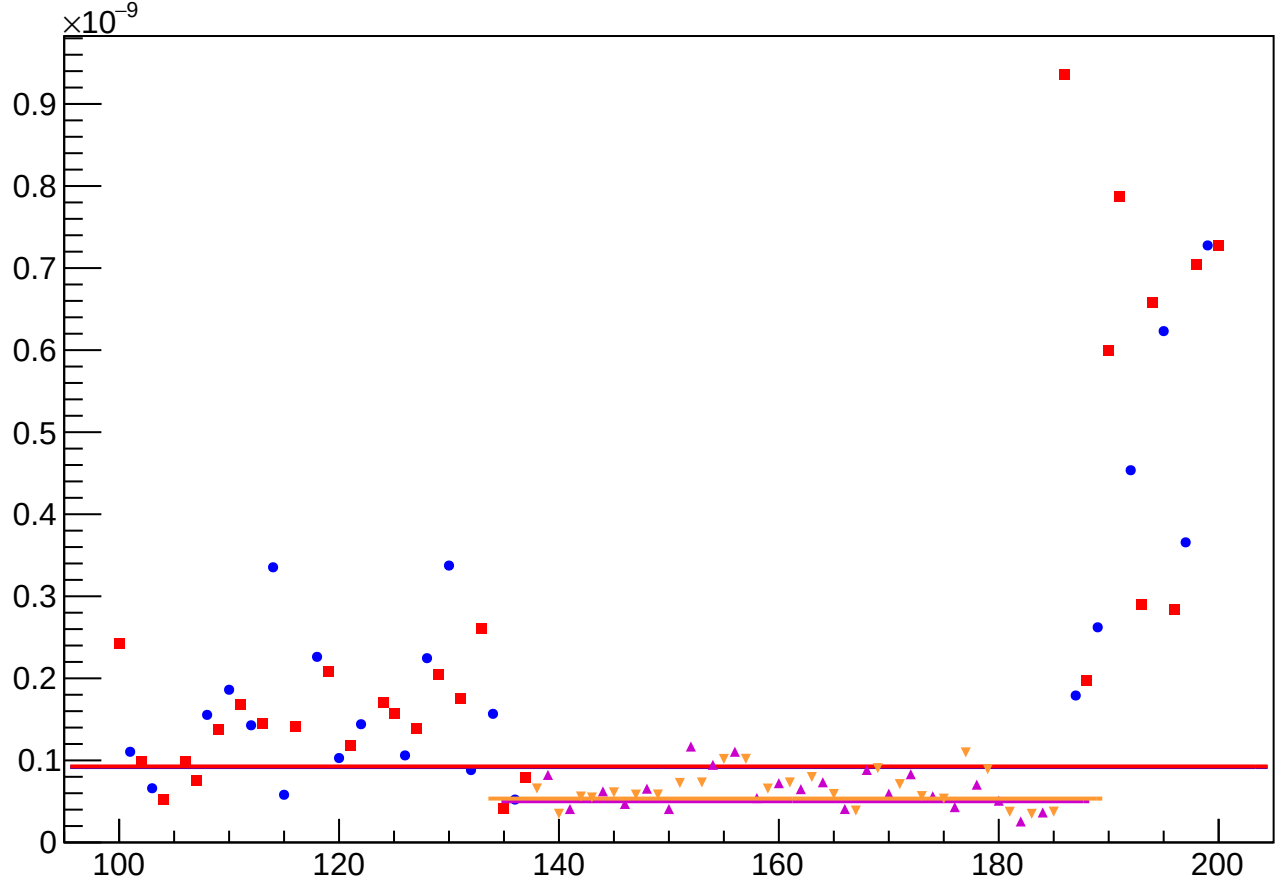
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/46

All: 0.000+/-0.000 χ^2/NDF: 82.9/97

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5037522.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258435.7/27

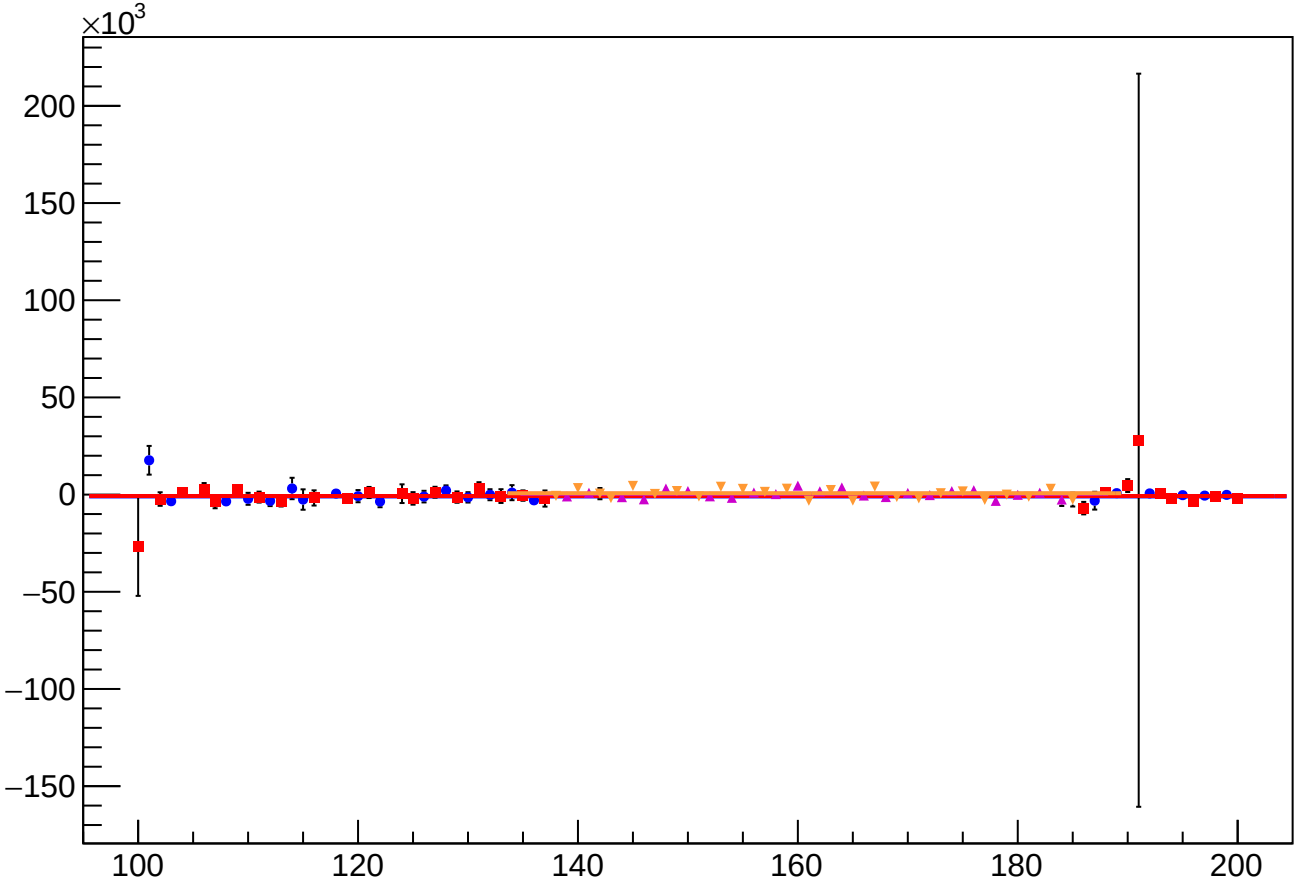
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9128634.3/46

All: 0.000+/-0.000 χ^2/NDF: 20463679.9/97

- sign 0.000+/-0.000 χ^2/NDF: 11299648.7/50

reg_asym_atr_dd_mean vs Slug



Right In: -944.320+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -725.423+/-531.679 χ^2/NDF: 19.9/27

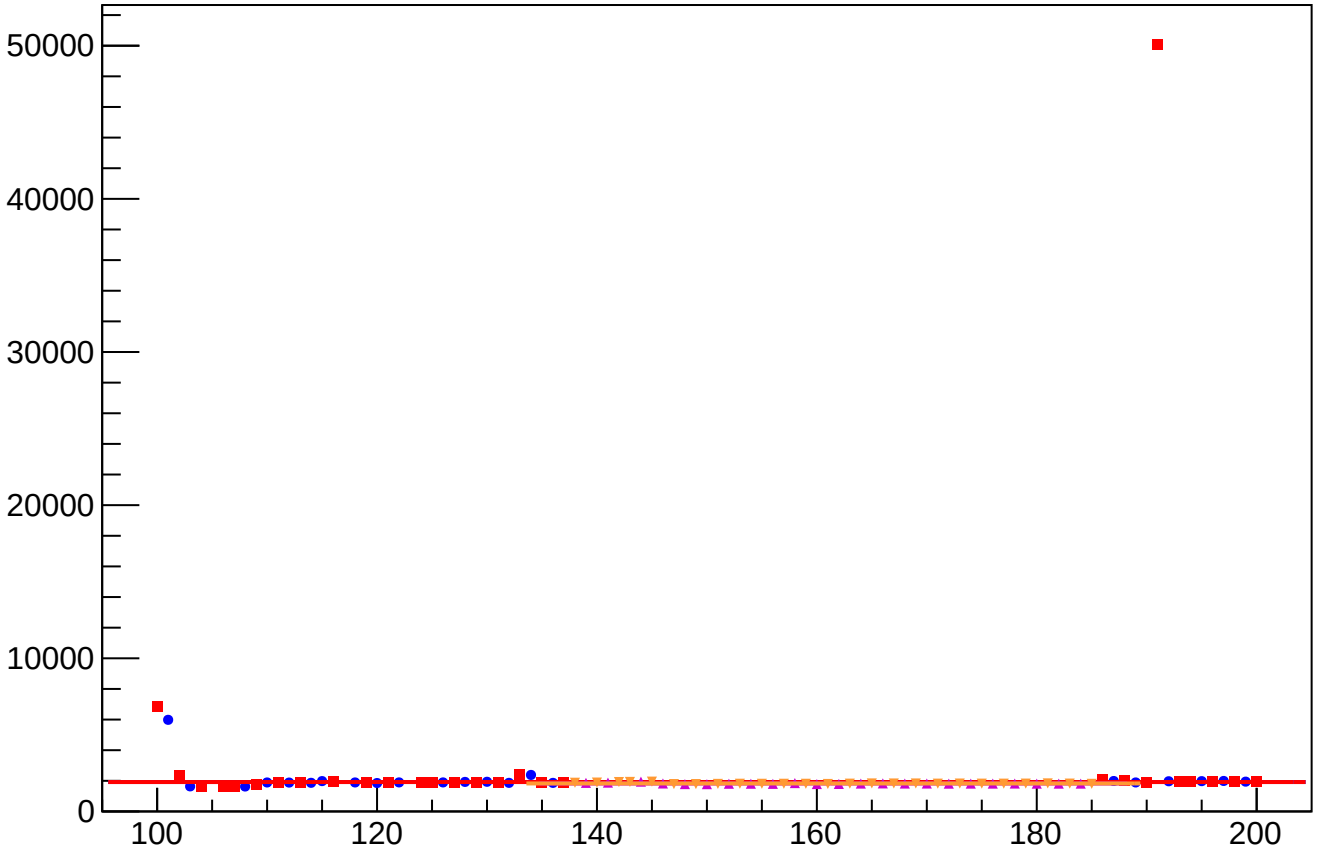
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 139.313+/-336.620 χ^2/NDF: 52.9/46

All: 49.390+/-236.575 χ^2/NDF: 96.4/97

- sign -38.372+/-332.552 χ^2/NDF: 43.4/50

reg_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.0/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1920.555+/-0.375 χ^2/NDF: 374063.4/27

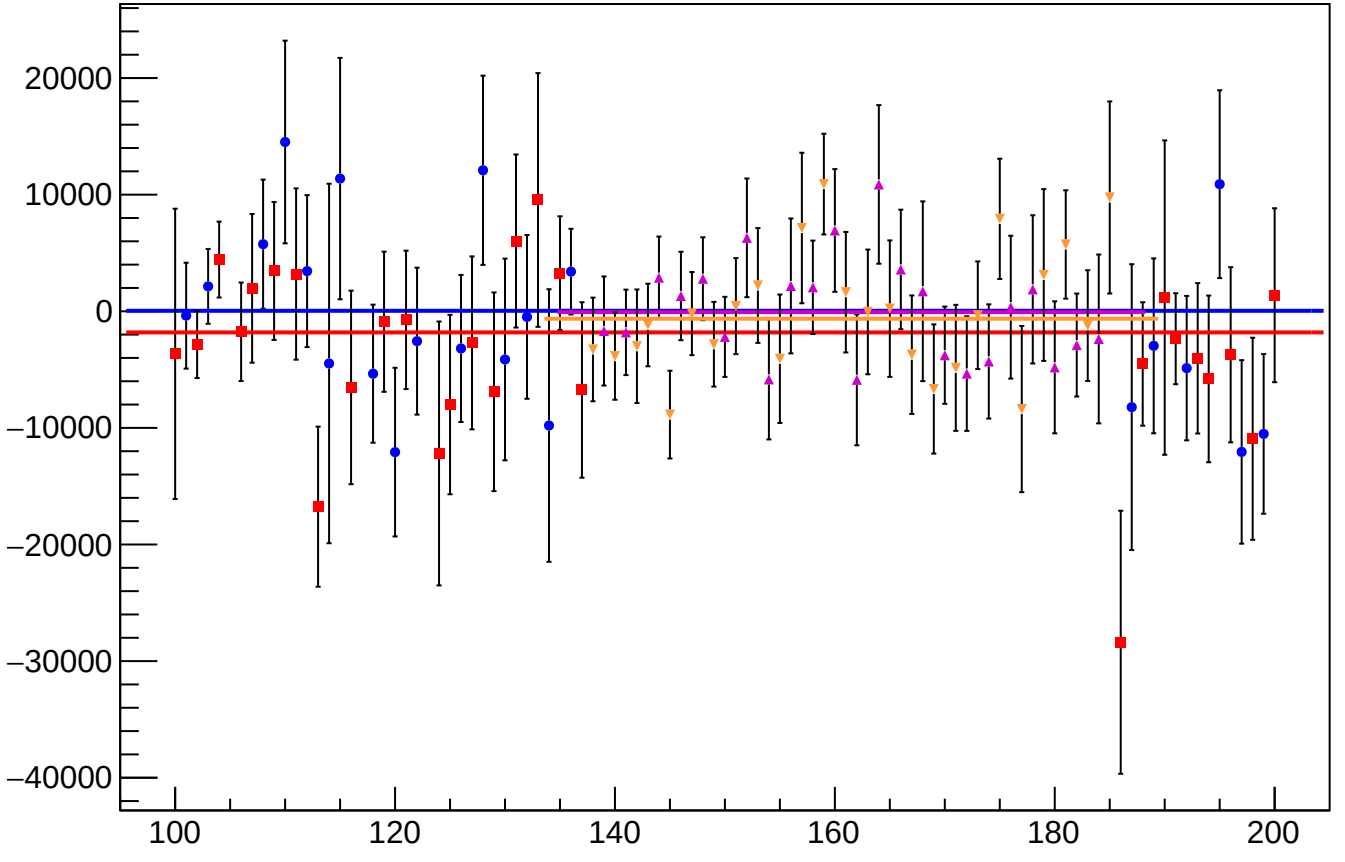
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.4/46

All: 1861.553+/-0.167 χ^2/NDF: 1186533.2/97

- sign 1862.571+/-0.235 χ^2/NDF: 426708.8/50

asym_atr_dd_reg_correction_mean vs Slug



Right In: 40.762+/-1335.814 χ^2/NDF: 21.7/21

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1813.643+/-1123.176 χ^2/NDF: 23.8/27

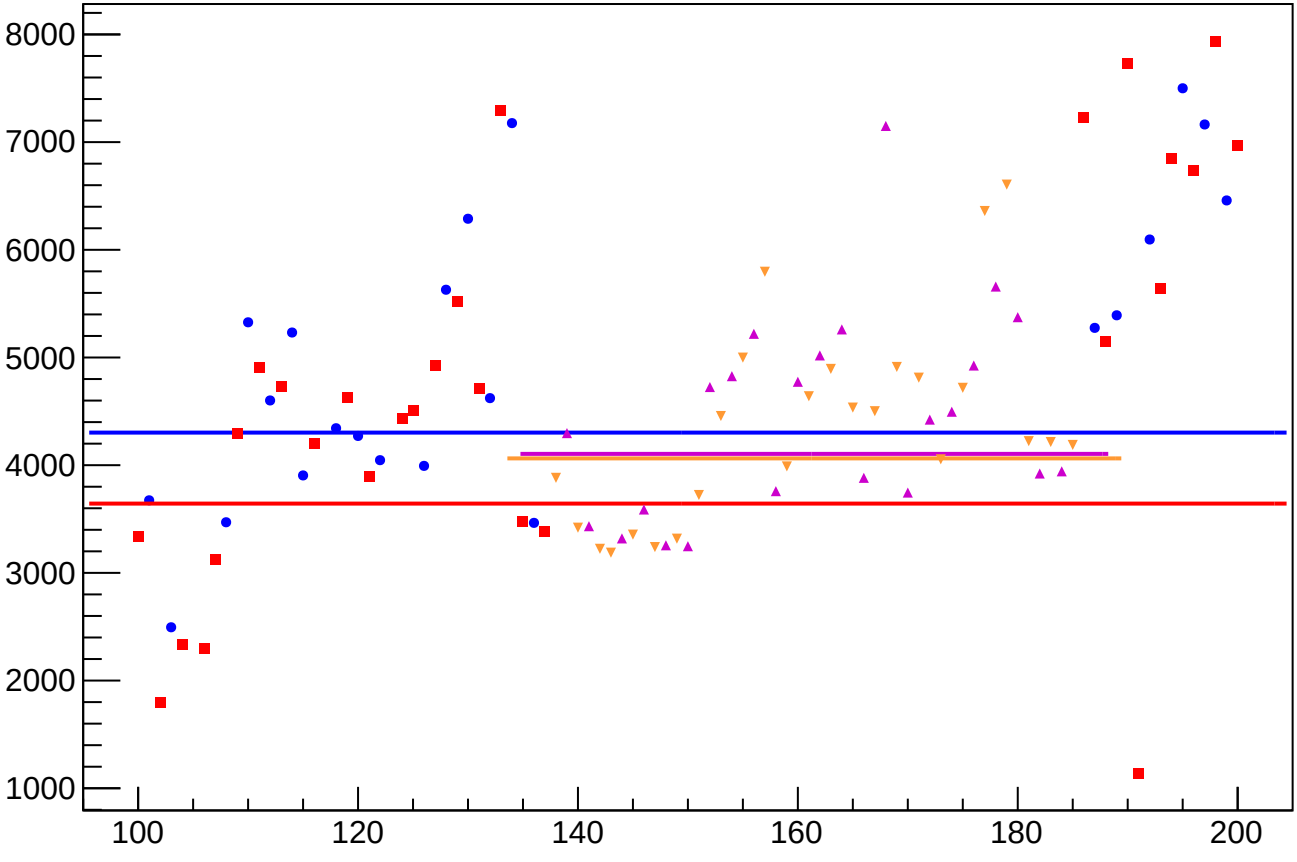
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -410.813+/-772.485 χ^2/NDF: 47.8/46

All: -628.333+/-533.821 χ^2/NDF: 88.6/97

- sign -827.153+/-738.534 χ^2/NDF: 40.6/50

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4302.653+/-0.945 χ^2/NDF: 2157762.3/21

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3643.371+/-0.794 χ^2/NDF: 5226898.8/27

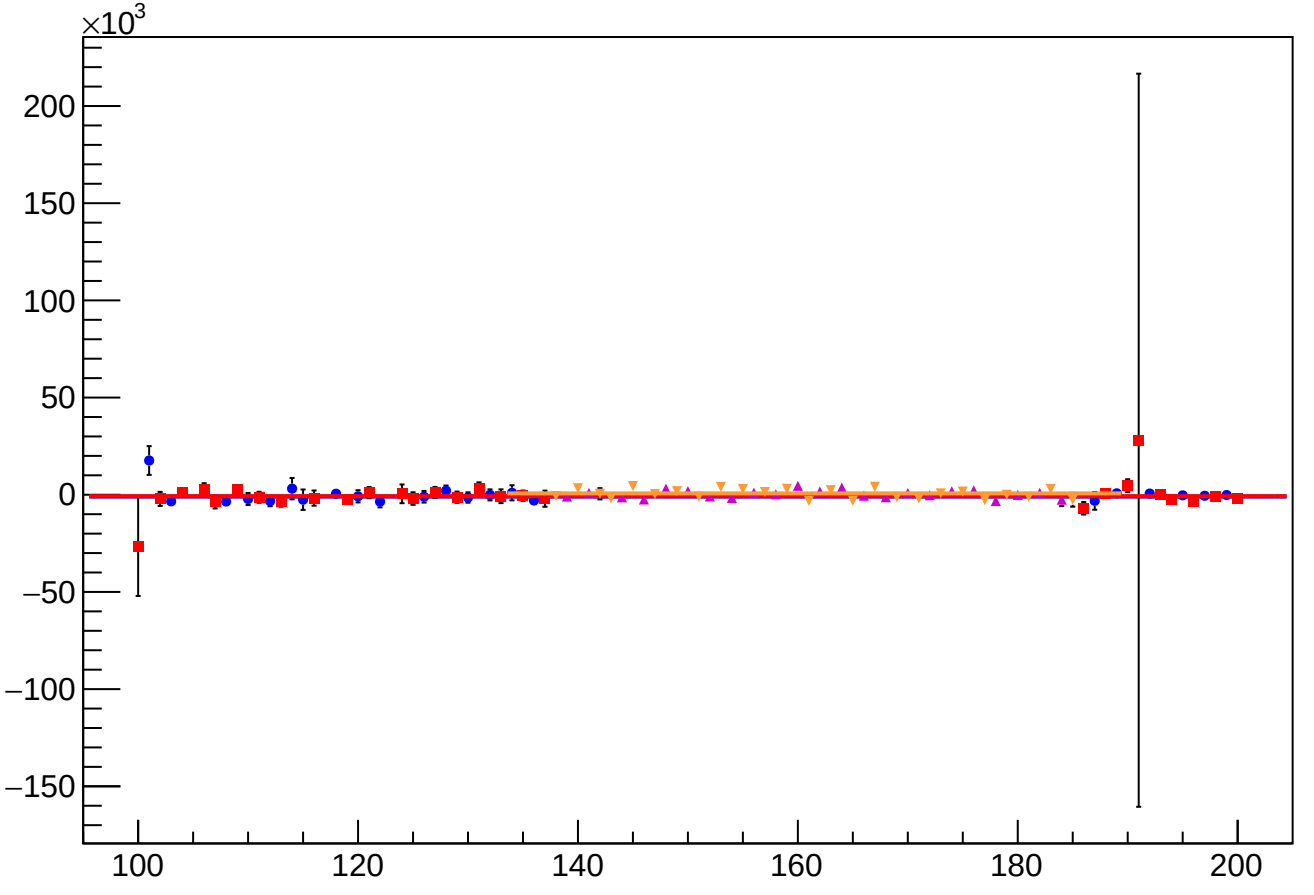
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4143.216+/-0.546 χ^2/NDF: 3605605.3/46

All: 4018.990+/-0.377 χ^2/NDF: 10482819.0/9

- sign 3905.443+/-0.522 χ^2/NDF: 6778215.6/50

cor_asym_atr_dd_mean vs Slug



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -720.016+/-532.089 χ^2/NDF: 19.9/27

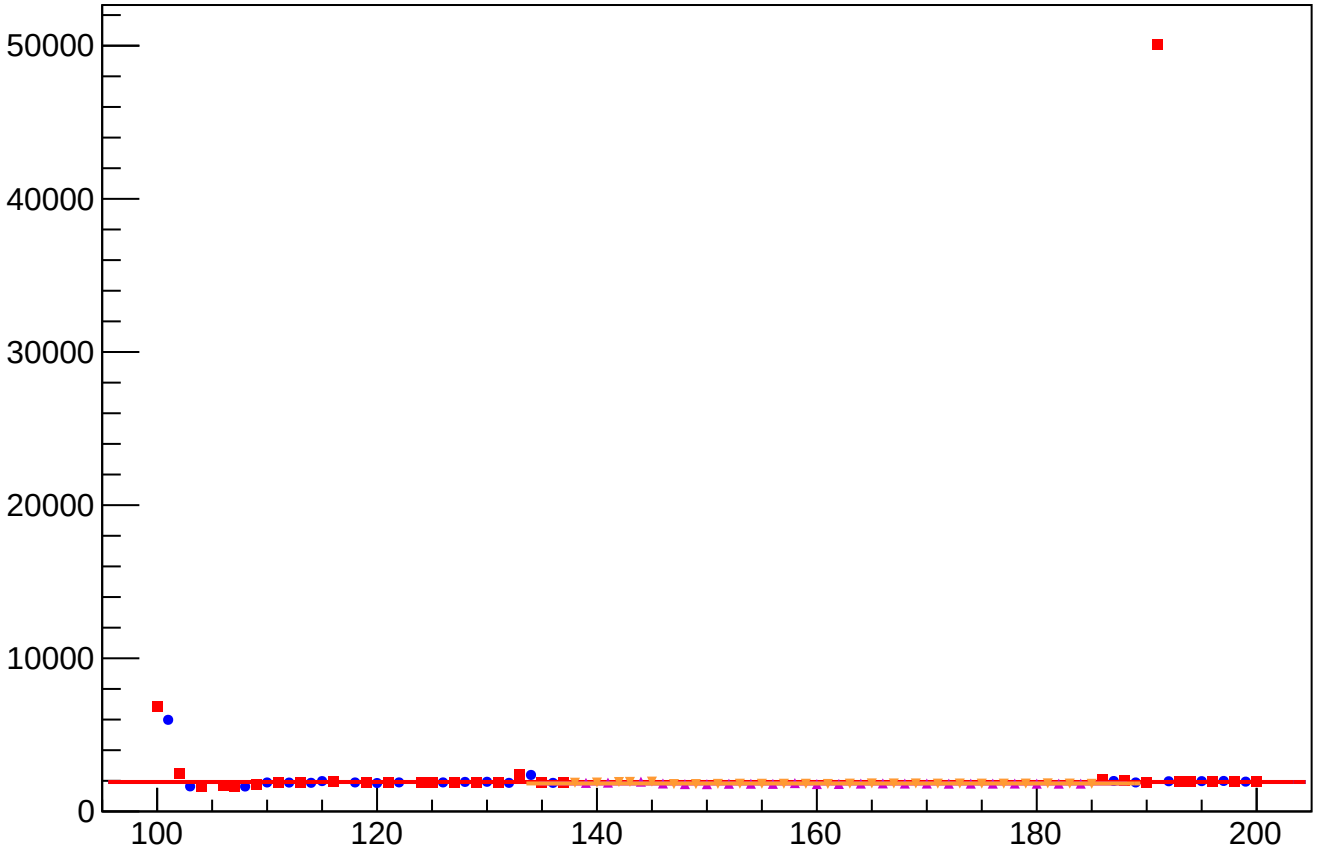
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 139.269+/-336.620 χ^2/NDF: 52.9/46

All: 50.624+/-236.611 χ^2/NDF: 96.3/97

- sign -35.944+/-332.652 χ^2/NDF: 43.3/50

cor_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

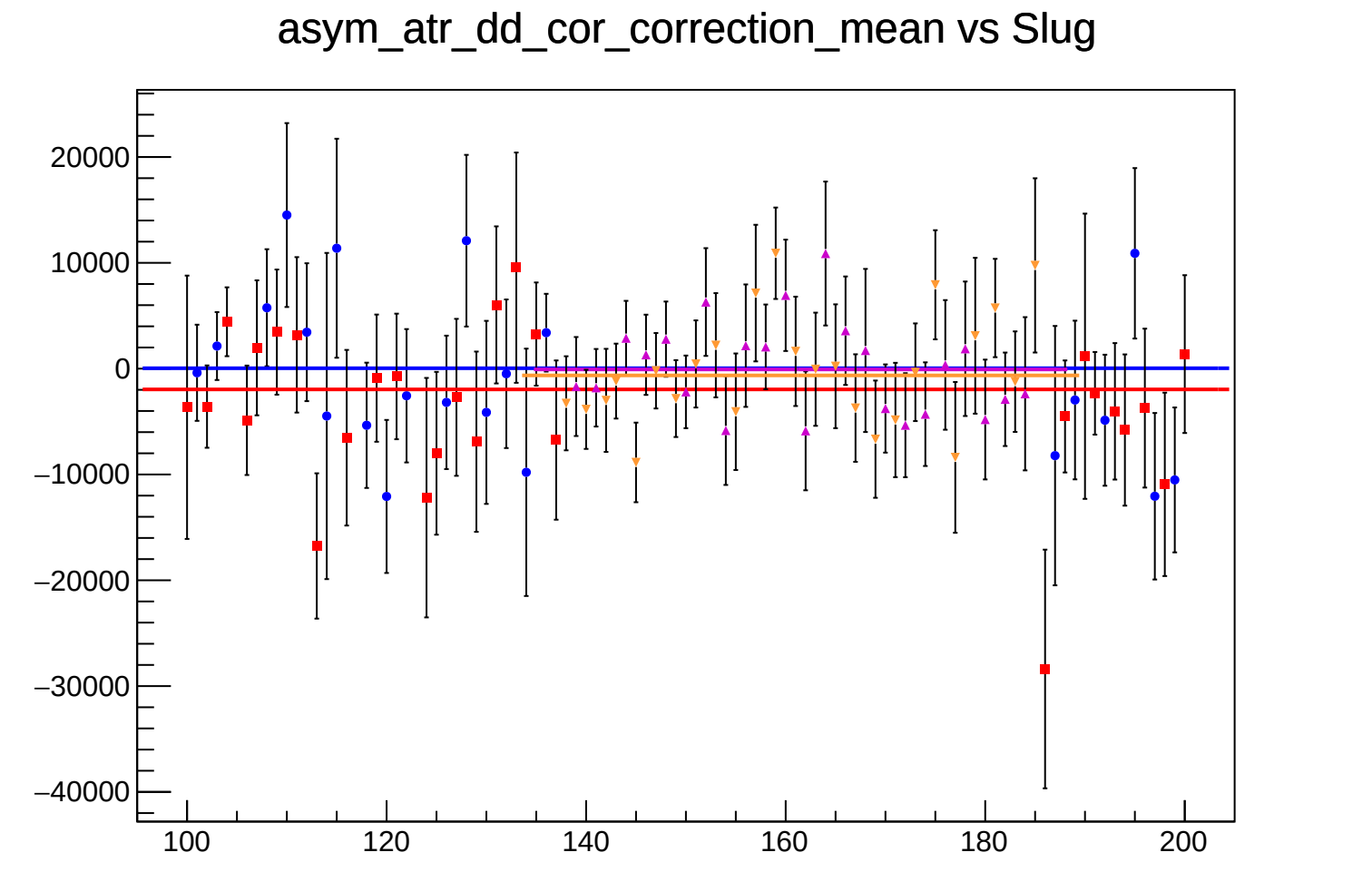
Right Out: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.5/46

All: 1862.310+/-0.167 χ^2/NDF: 1196295.5/97

- sign 1864.068+/-0.235 χ^2/NDF: 436395.8/50



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1961.600+/-1179.966 χ^2/NDF: 24.2/27

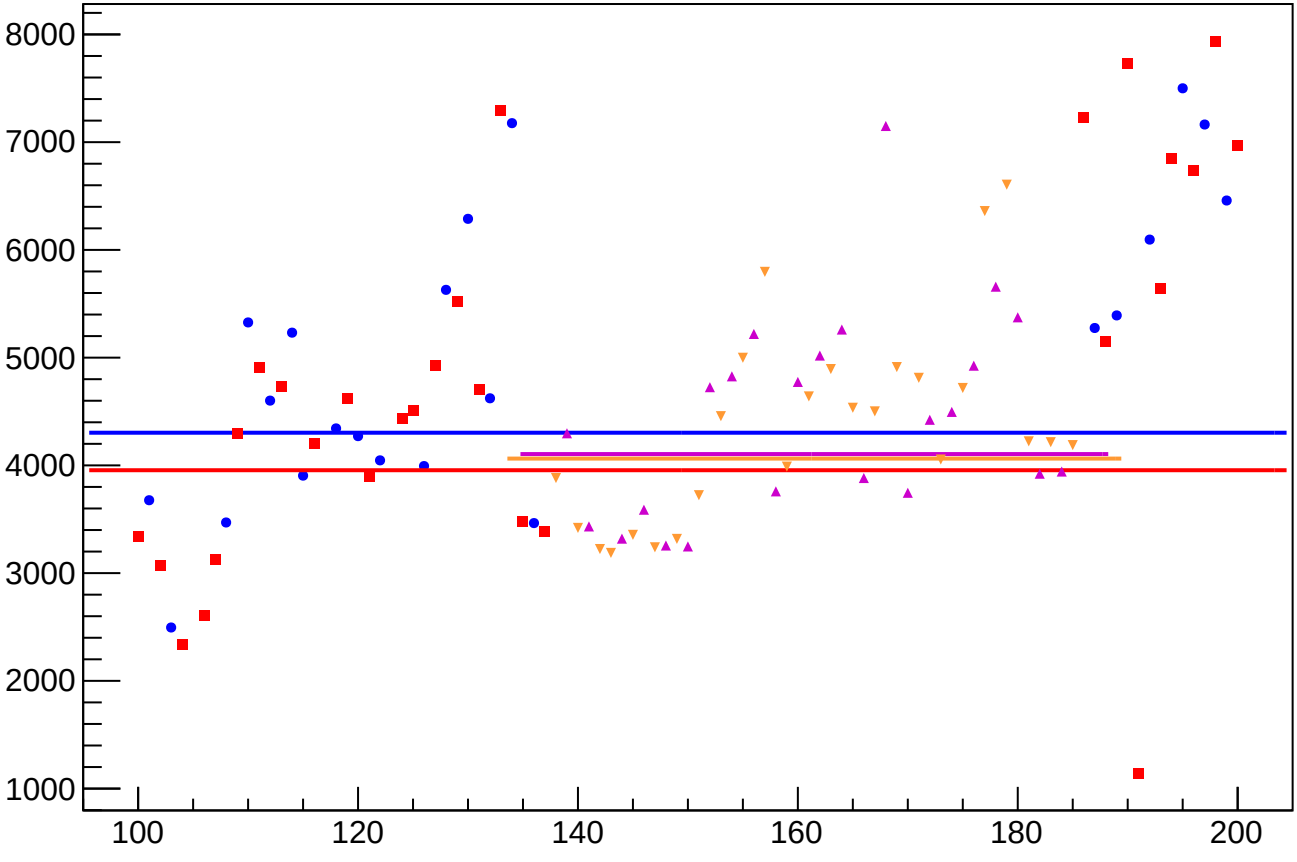
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -411.247+/-772.509 χ^2/NDF: 47.8/46

All: -633.799+/-539.585 χ^2/NDF: 89.2/97

- sign -845.818+/-754.004 χ^2/NDF: 41.2/50

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

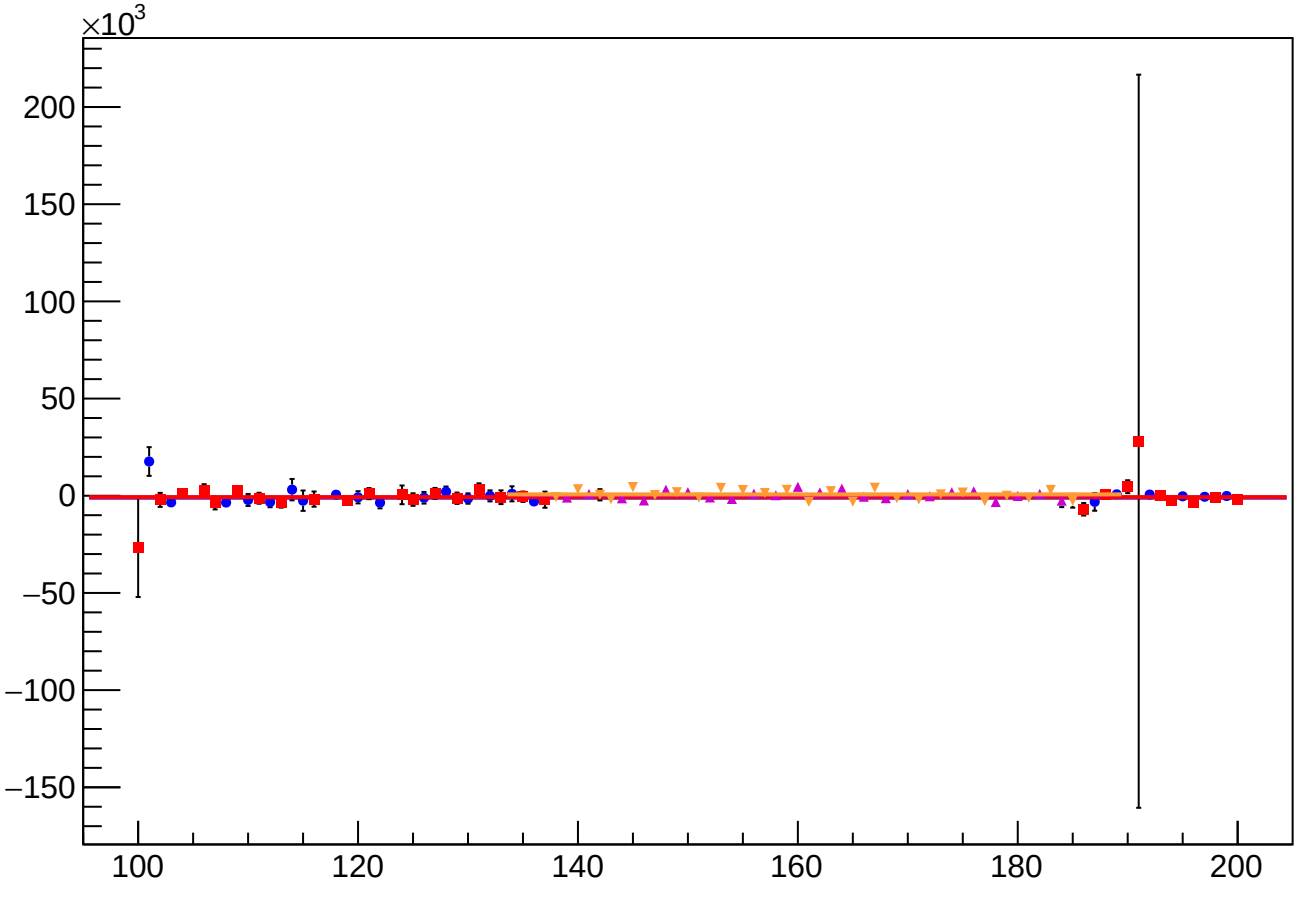
Right Out: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4143.377+/-0.546 χ^2/NDF: 3604819.5/46

All: 4092.382+/-0.382 χ^2/NDF: 9175549.4/97

- sign 4043.800+/-0.533 χ^2/NDF: 5553711.5/50



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -720.016+/-532.089 χ^2/NDF: 19.9/27

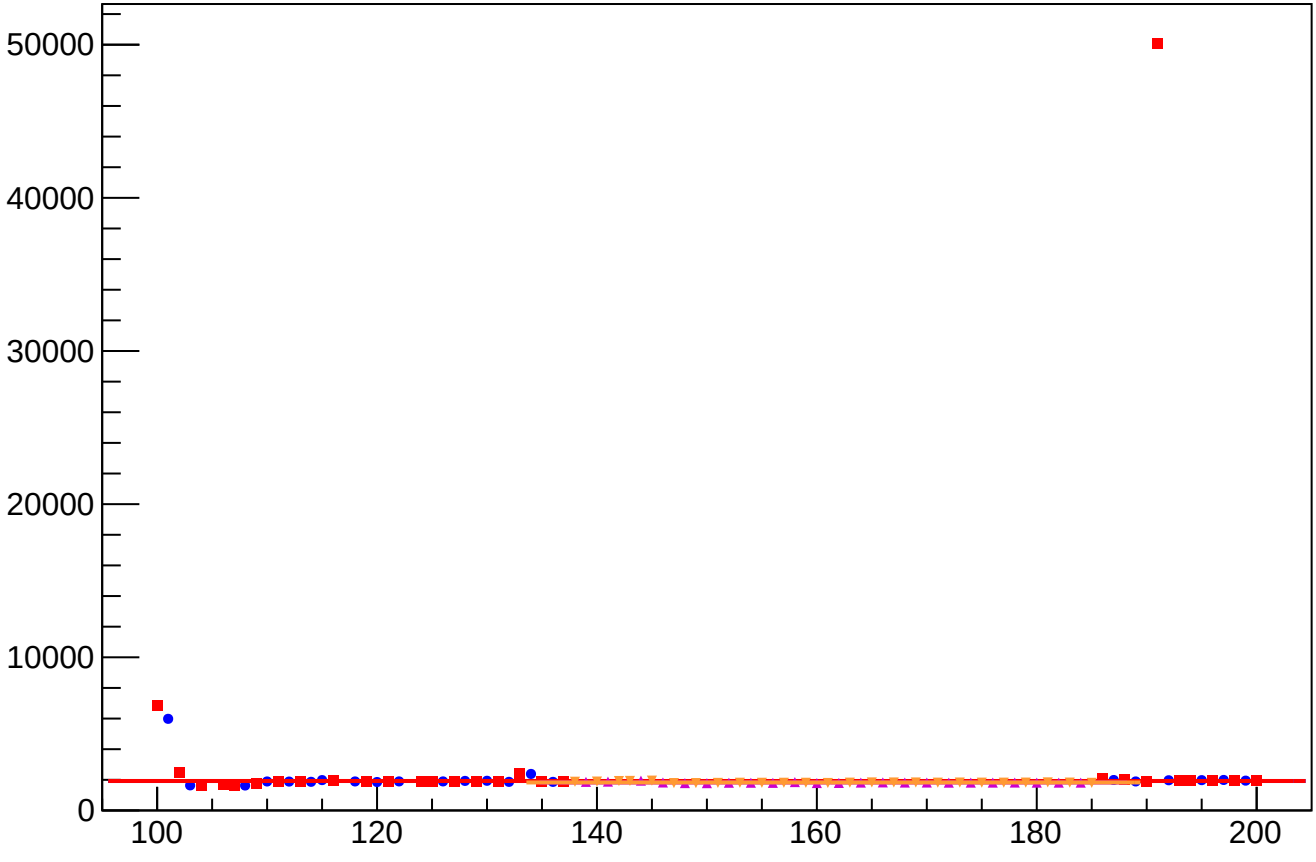
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 139.269+/-336.620 χ^2/NDF: 52.9/46

All: 50.624+/-236.611 χ^2/NDF: 96.3/97

- sign -35.944+/-332.652 χ^2/NDF: 43.3/50

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

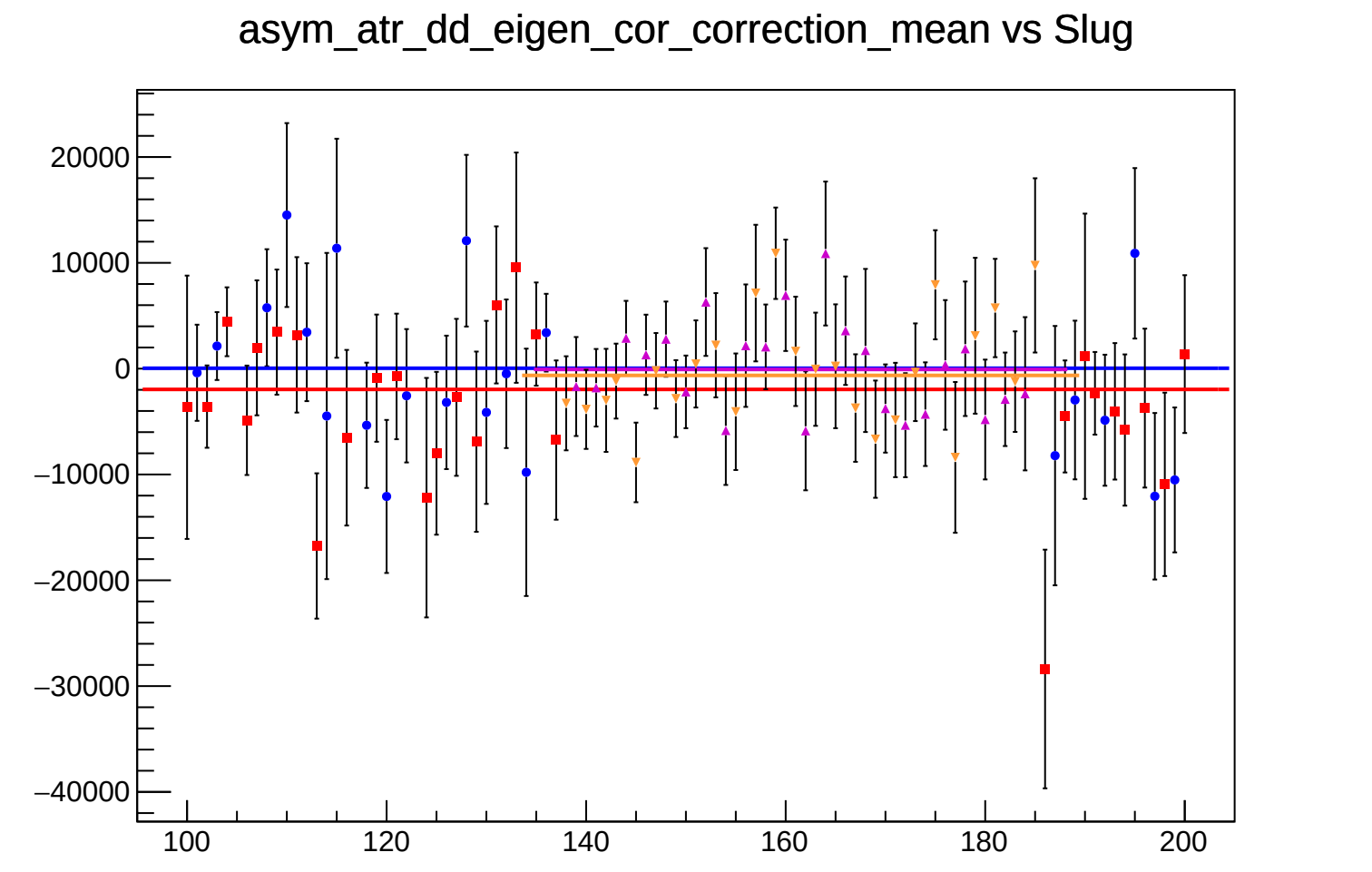
Right Out: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.5/46

All: 1862.310+/-0.167 χ^2/NDF: 1196295.5/97

- sign 1864.068+/-0.235 χ^2/NDF: 436395.8/50



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

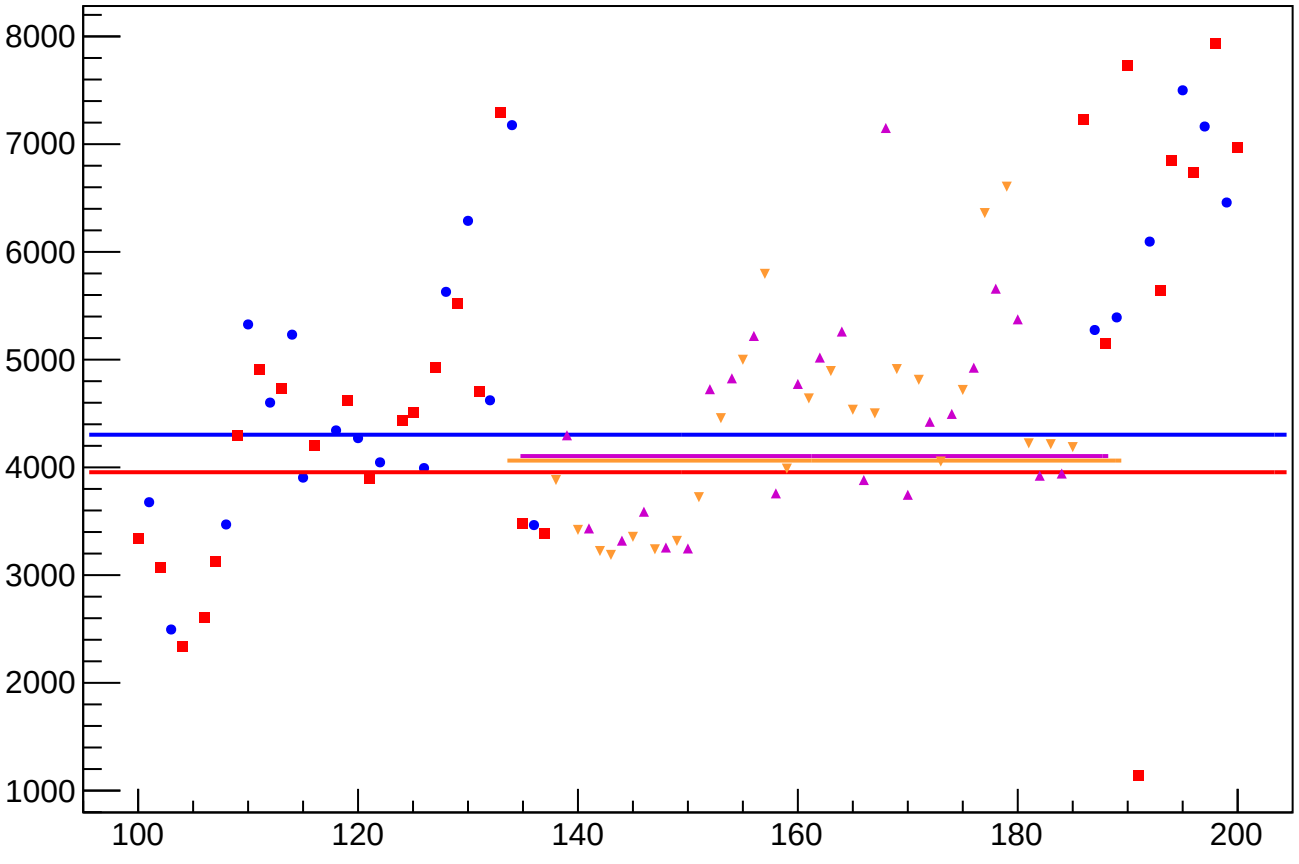
Right Out: -1961.600+/-1179.966 χ^2/NDF: 24.2/27

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -411.247+/-772.509 χ^2/NDF: 47.8/46

All: -633.799+/-539.585 χ^2/NDF: 89.2/97

- sign -845.818+/-754.004 χ^2/NDF: 41.2/50



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

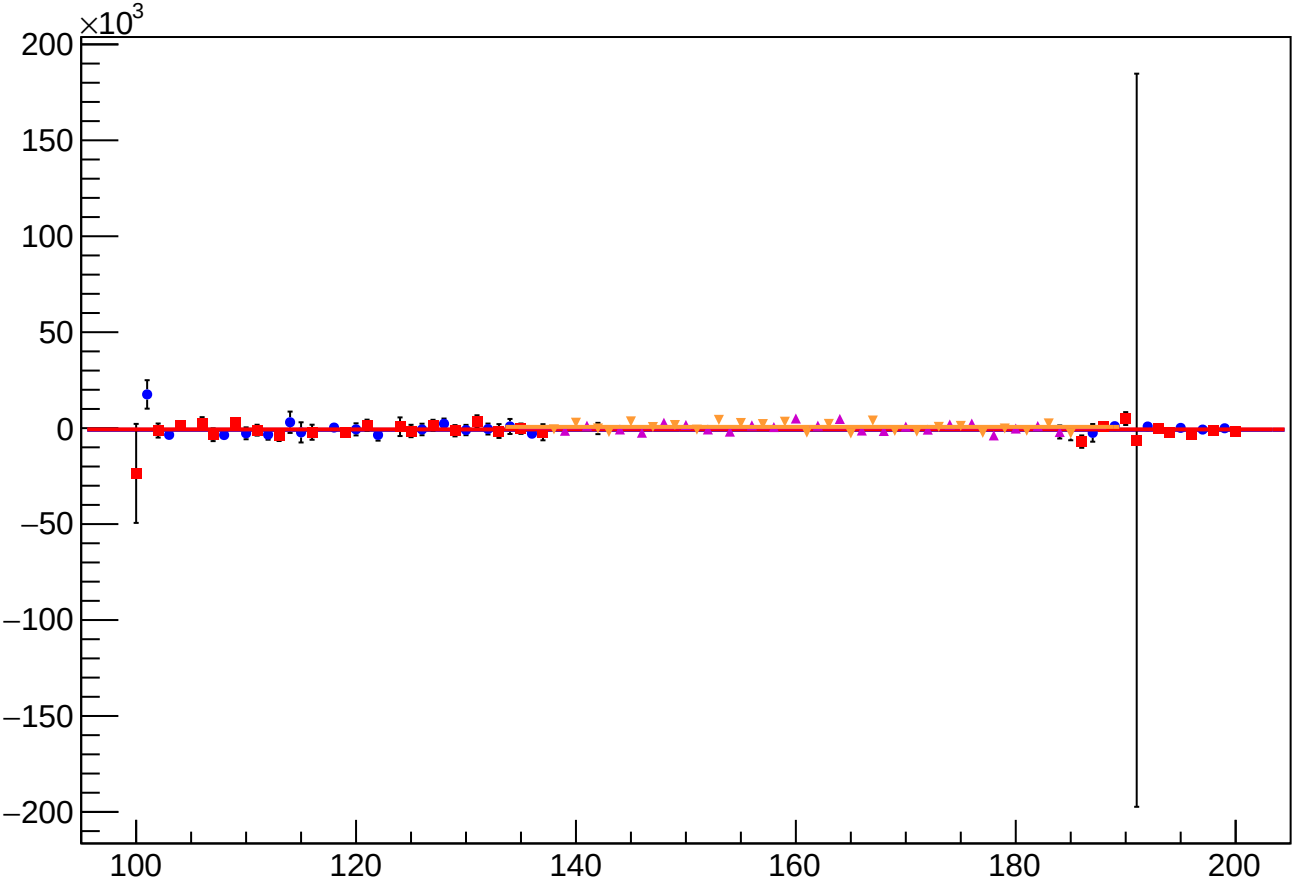
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4143.377+/-0.546 χ^2/NDF: 3604819.5/46

All: 4092.382+/-0.382 χ^2/NDF: 9175549.4/97

- sign 4043.800+/-0.533 χ^2/NDF: 5553711.5/50

dit_asym_atr_dd_mean vs Slug



Right In: -890.518+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -657.609+/-537.306 χ^2/NDF: 21.3/27

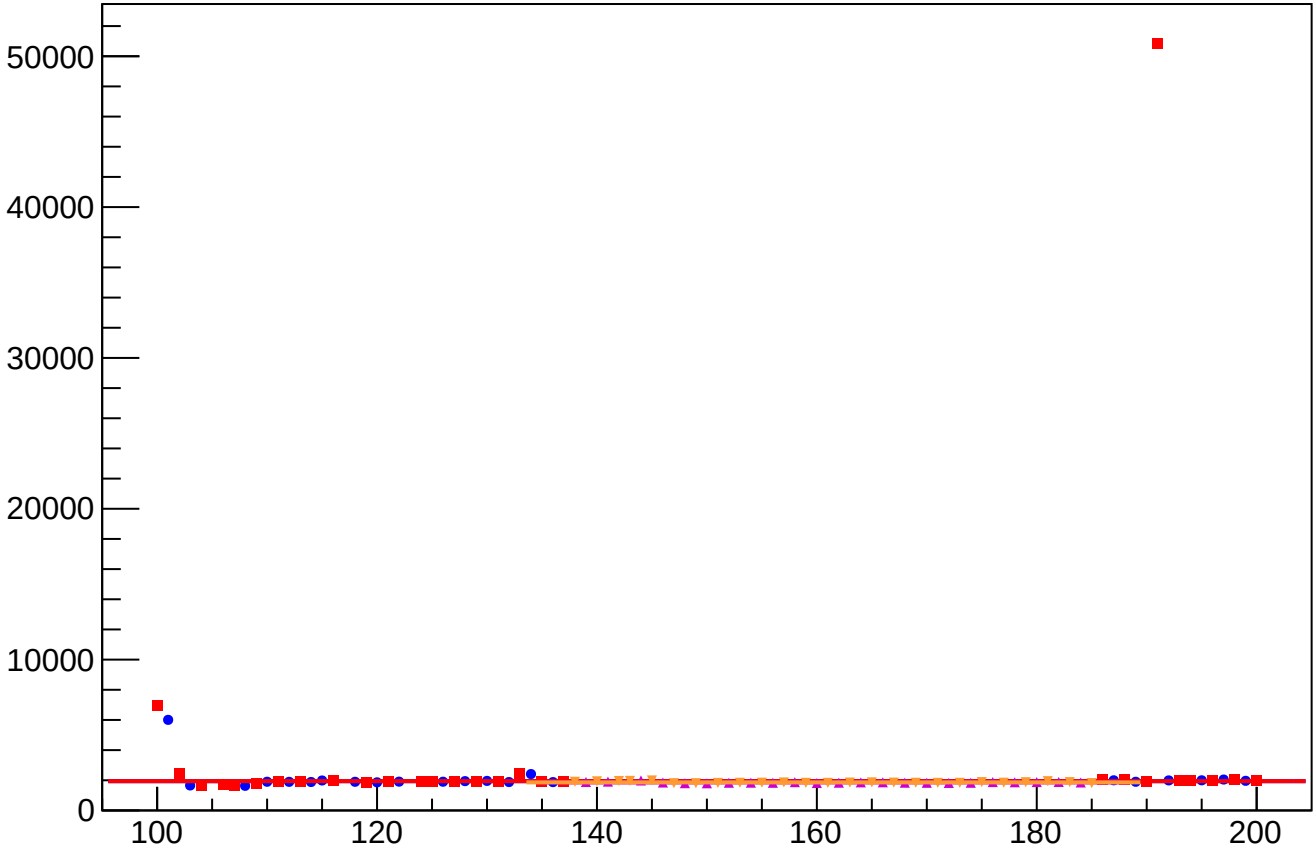
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 119.667+/-341.744 χ^2/NDF: 47.7/46

All: 53.612+/-240.154 χ^2/NDF: 95.1/97

- sign -10.831+/-337.552 χ^2/NDF: 47.3/50

dit_asym_atr_dd_rms vs Slug



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.8/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1943.102+/-0.380 χ^2/NDF: 388881.2/27

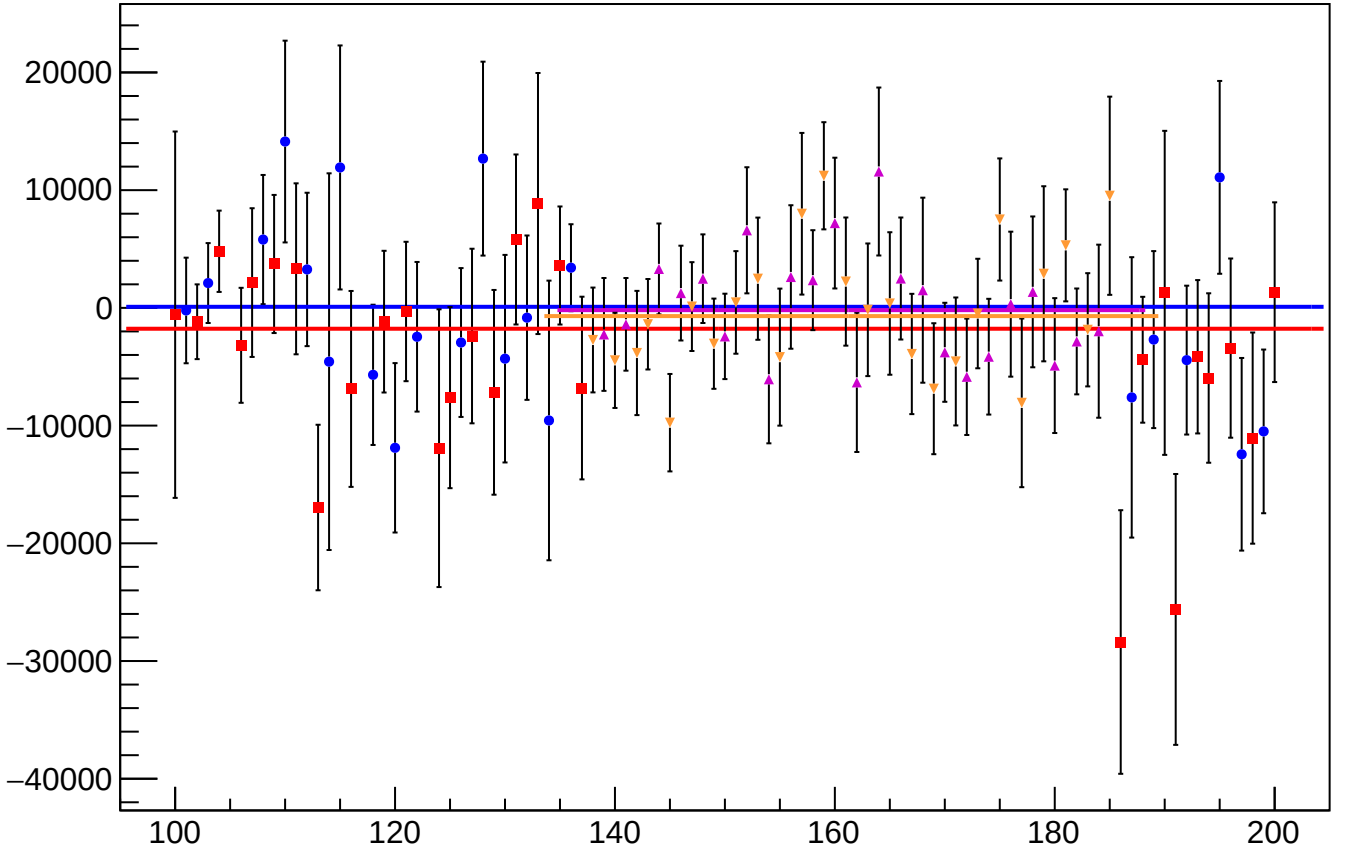
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1888.741+/-0.242 χ^2/NDF: 757251.0/46

All: 1890.091+/-0.170 χ^2/NDF: 1193211.0/97

- sign 1891.407+/-0.239 χ^2/NDF: 435898.4/50

asym_atr_dd_dit_correction_mean vs Slug



Right In: 90.743+/-1353.193 χ^2/NDF: 21.5/21

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1772.246+/-1214.757 χ^2/NDF: 27.9/27

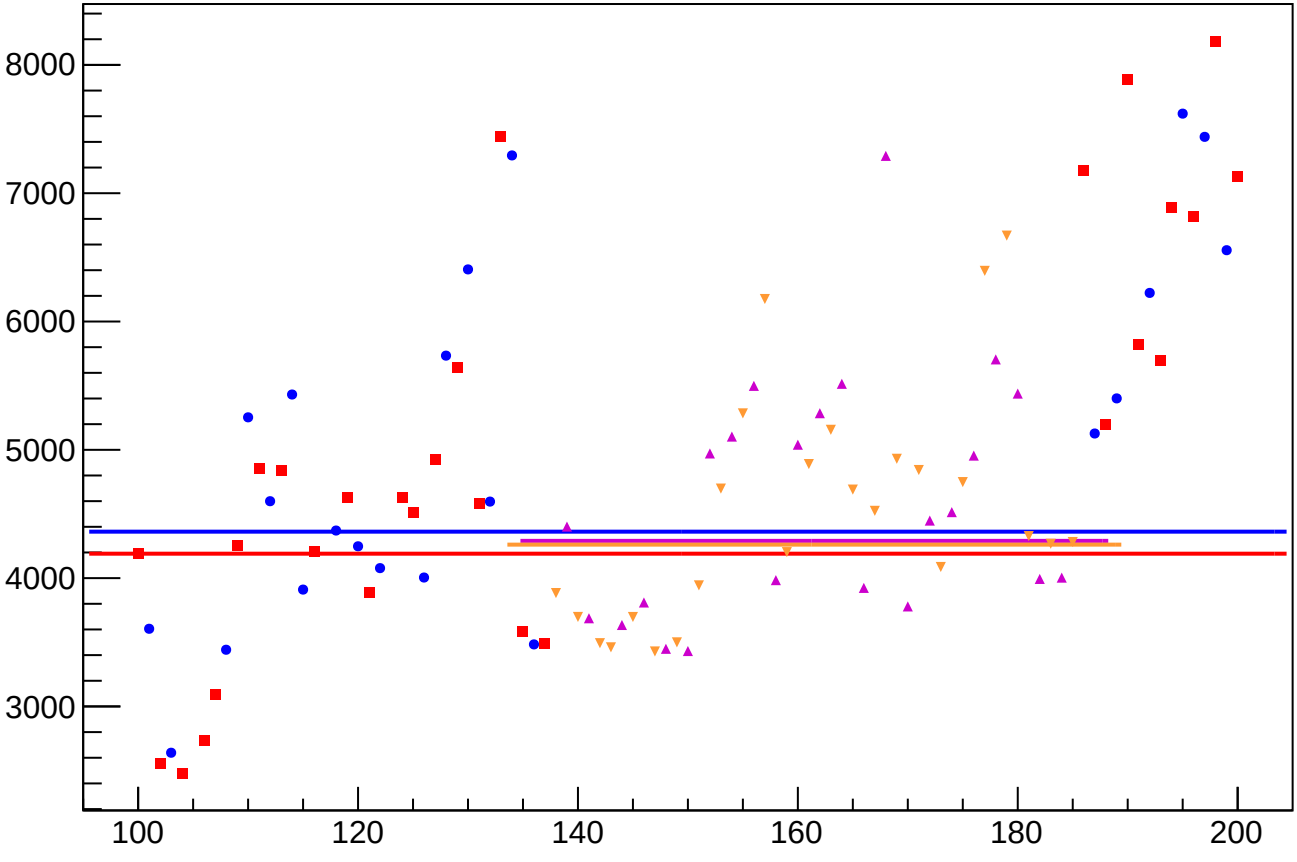
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -423.189+/-799.018 χ^2/NDF: 47.0/46

All: -639.885+/-558.969 χ^2/NDF: 91.2/97

- sign -847.583+/-782.252 χ^2/NDF: 44.1/50

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4362.228+/-0.957 χ^2/NDF: 2094705.5/21

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4190.536+/-0.859 χ^2/NDF: 3333319.5/27

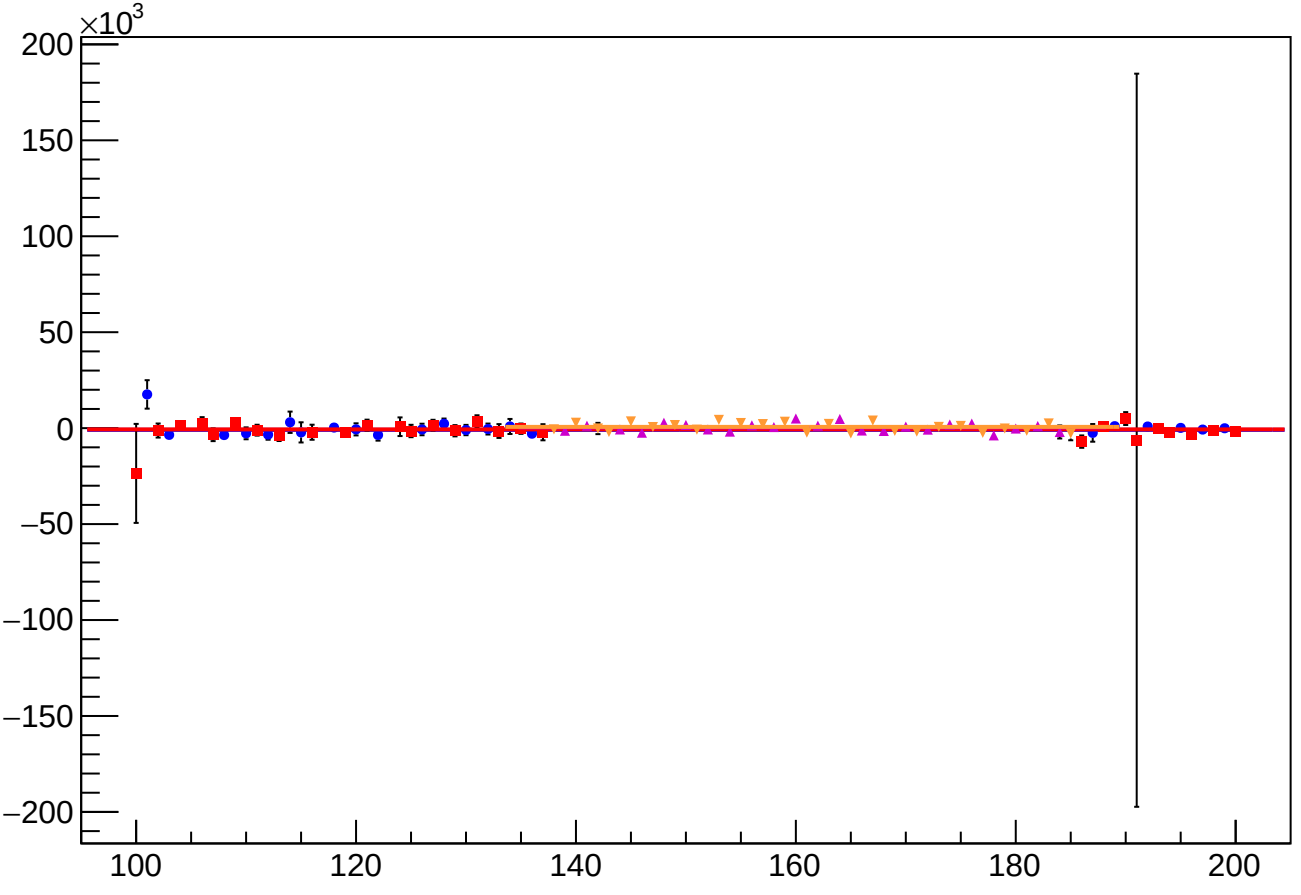
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4296.374+/-0.565 χ^2/NDF: 3292539.0/46

All: 4272.178+/-0.395 χ^2/NDF: 7851326.3/97

- sign 4248.987+/-0.553 χ^2/NDF: 4555195.4/50

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -890.521+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -657.605+/-537.306 χ^2/NDF: 21.3/27

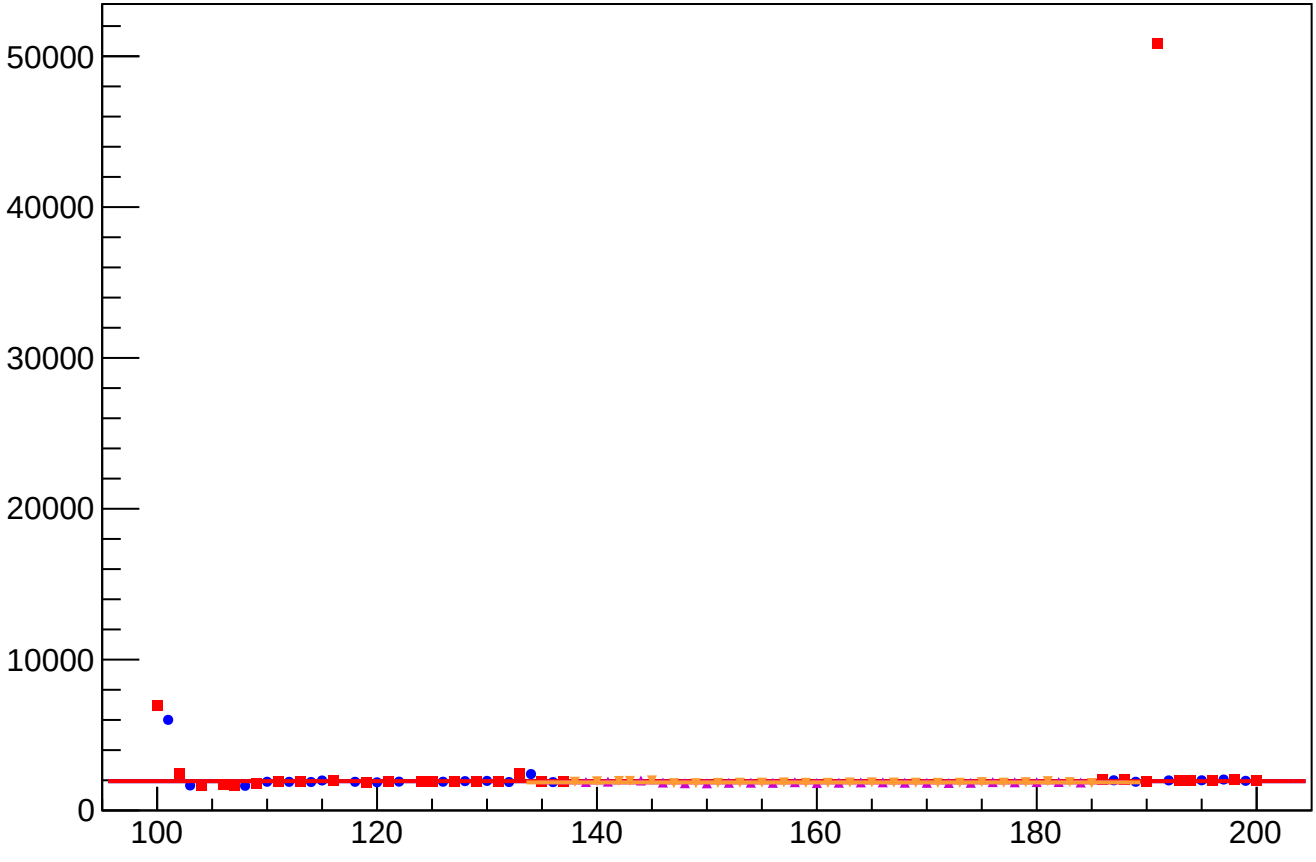
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 119.669+/-341.744 χ^2/NDF: 47.7/46

All: 53.614+/-240.154 χ^2/NDF: 95.1/97

- sign -10.830+/-337.552 χ^2/NDF: 47.3/50

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.6/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1943.102+/-0.380 χ^2/NDF: 388881.3/27

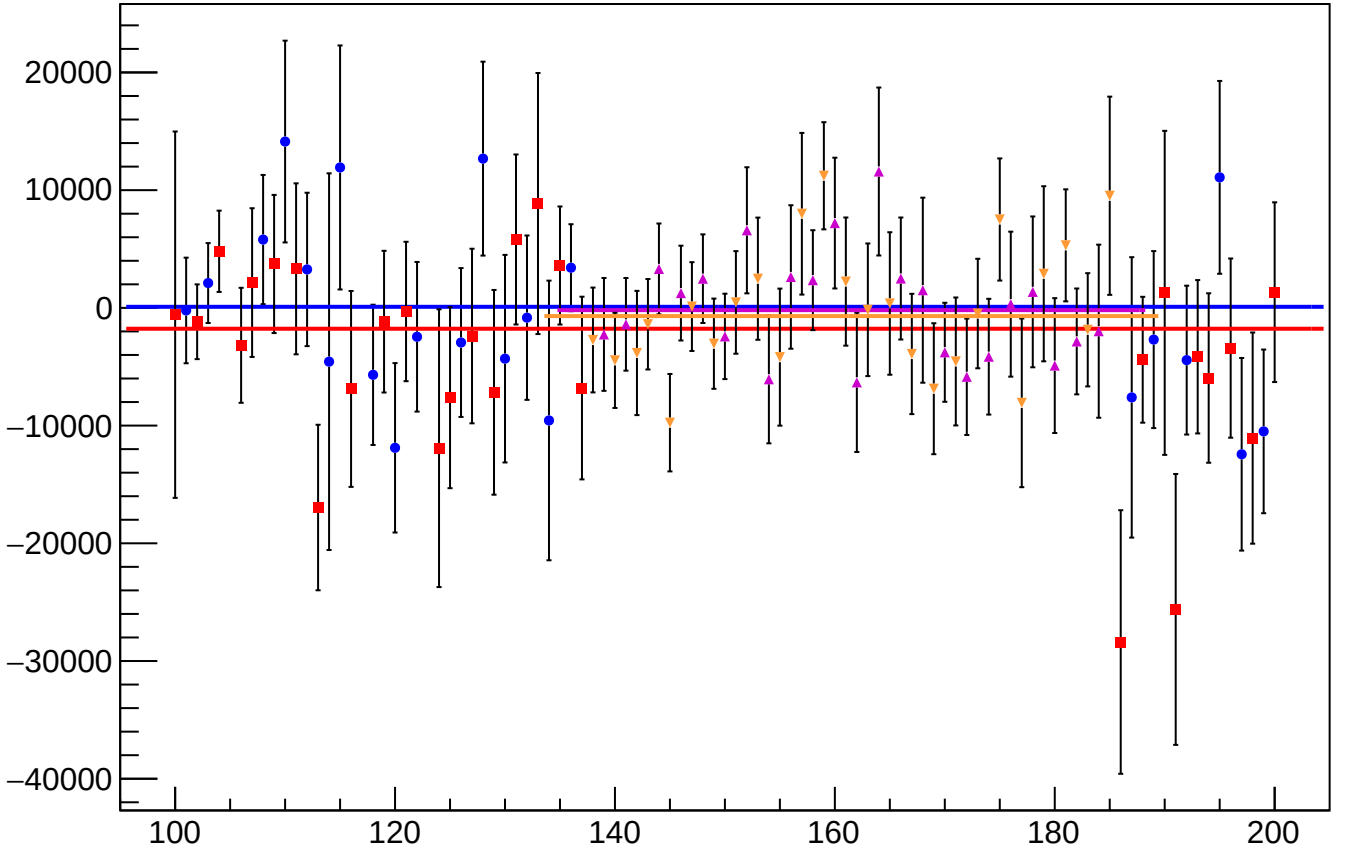
Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1888.741+/-0.242 χ^2/NDF: 757250.4/46

All: 1890.091+/-0.170 χ^2/NDF: 1193210.1/97

- sign 1891.408+/-0.239 χ^2/NDF: 435898.1/50

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 90.733+/-1353.192 χ^2/NDF: 21.5/21

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1772.244+/-1214.756 χ^2/NDF: 27.9/27

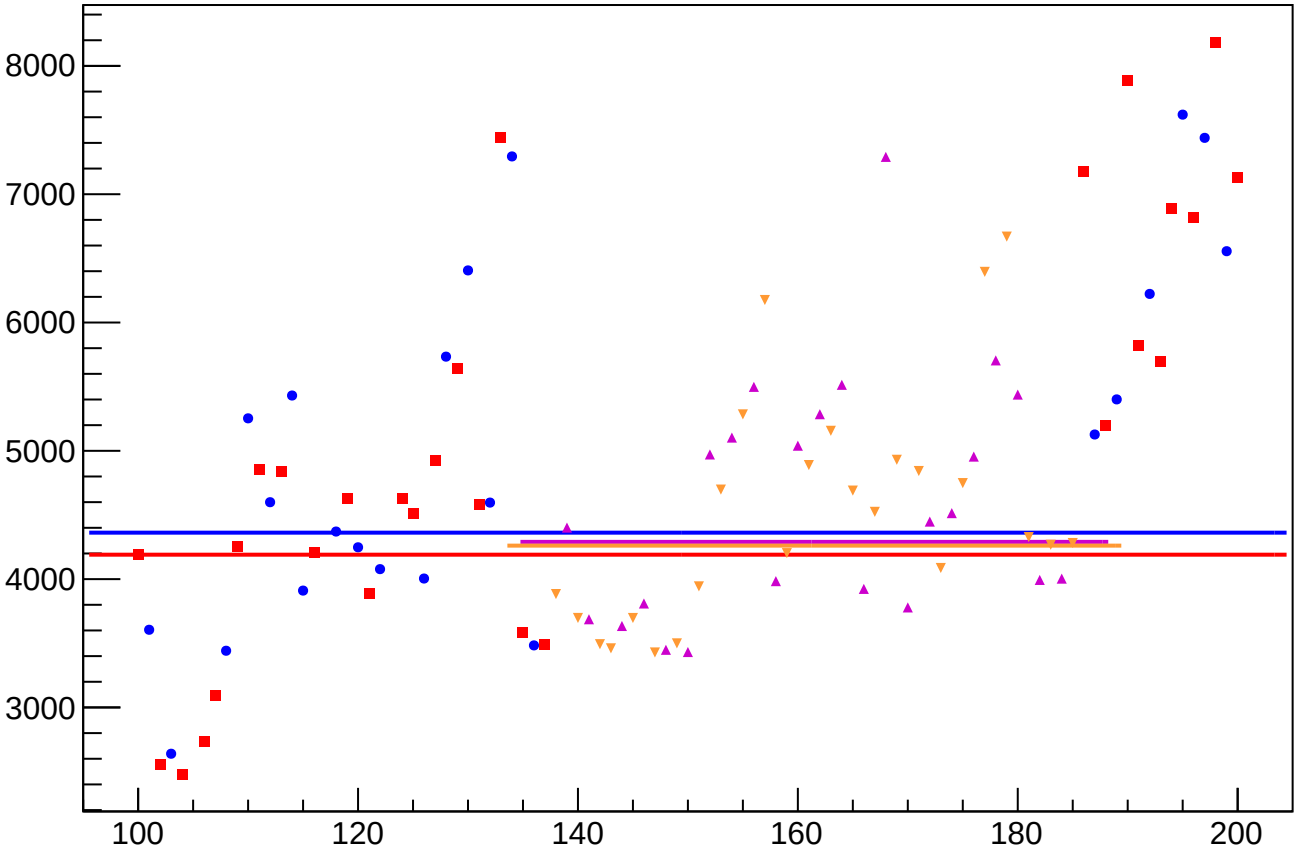
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -423.191+/-799.019 χ^2/NDF: 47.0/46

All: -639.887+/-558.969 χ^2/NDF: 91.2/97

- sign -847.585+/-782.252 χ^2/NDF: 44.1/50

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4362.226+/-0.957 χ^2/NDF: 2094703.6/21

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4190.533+/-0.859 χ^2/NDF: 3333317.9/27

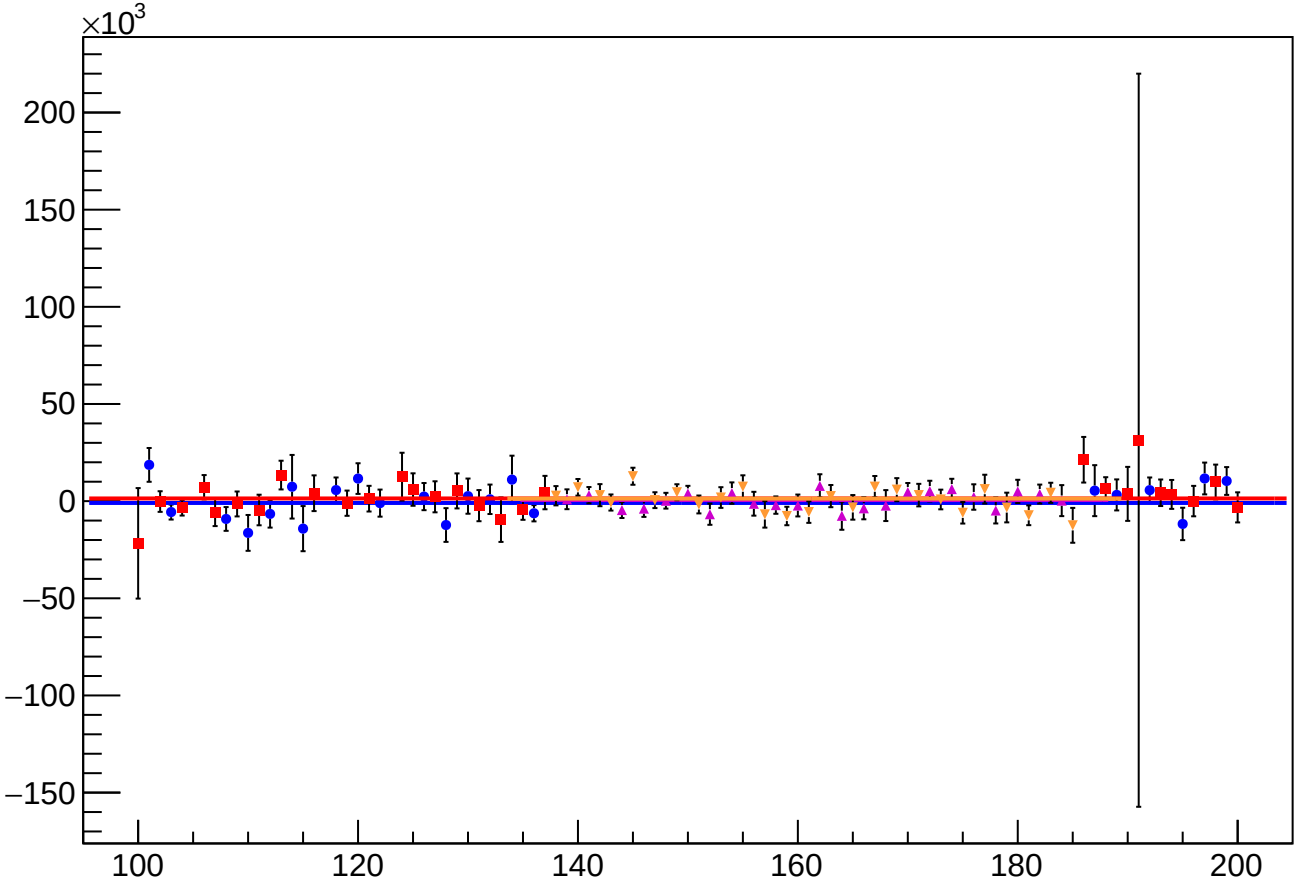
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4296.378+/-0.565 χ^2/NDF: 3292538.6/46

All: 4272.181+/-0.395 χ^2/NDF: 7851331.8/97

- sign 4248.989+/-0.553 χ^2/NDF: 4555201.2/50

asym_atr_dd_mean vs Slug



Right In: -935.405+/-1521.247 χ^2/NDF: 29.7/21

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1381.788+/-1403.400 χ^2/NDF: 16.5/27

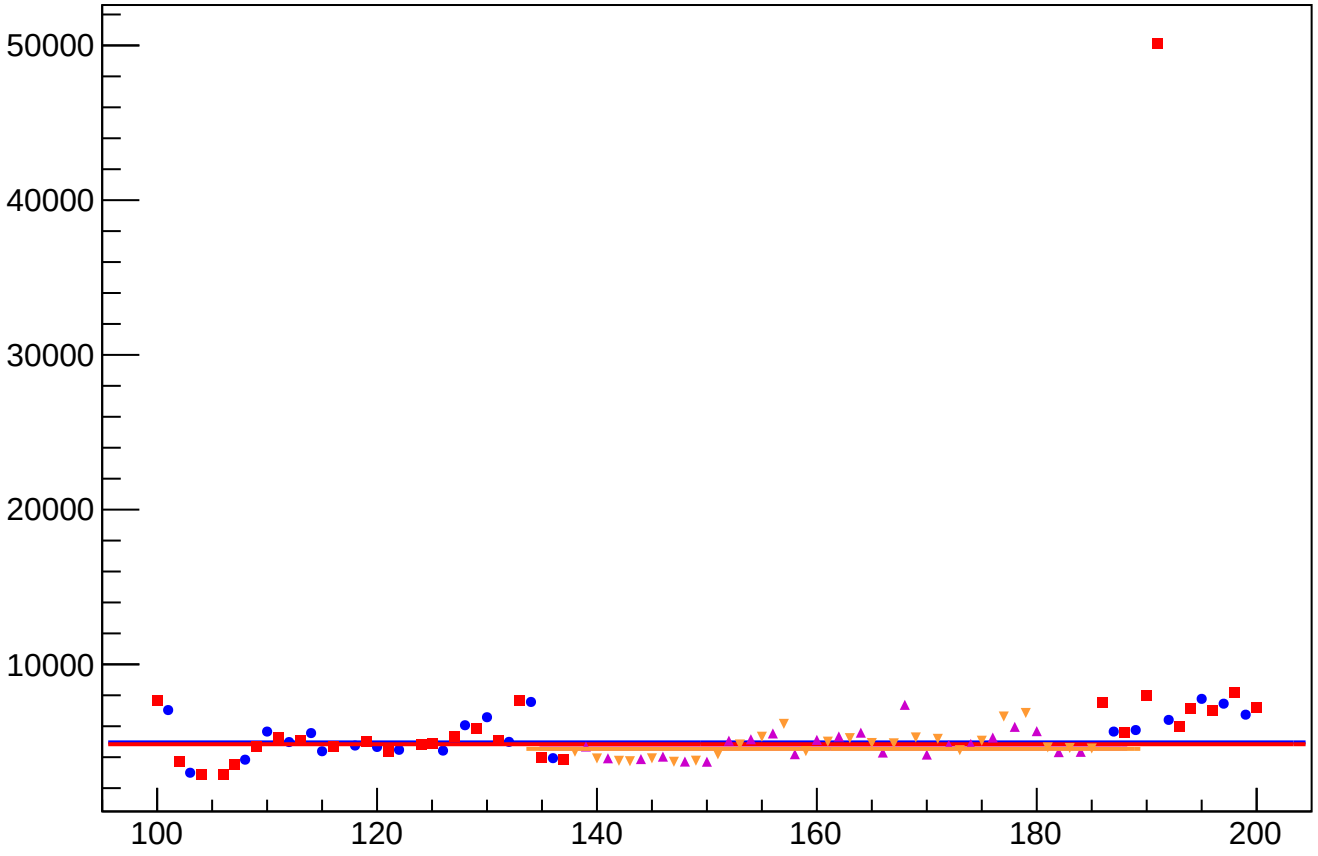
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 577.991+/-863.896 χ^2/NDF: 59.6/46

All: 728.565+/-608.398 χ^2/NDF: 90.8/97

- sign 876.729+/-856.955 χ^2/NDF: 31.1/50

asym_atr_dd_rms vs Slug



Right In: 4956.171+/-1.076 χ^2/NDF: 1715885.1/21

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

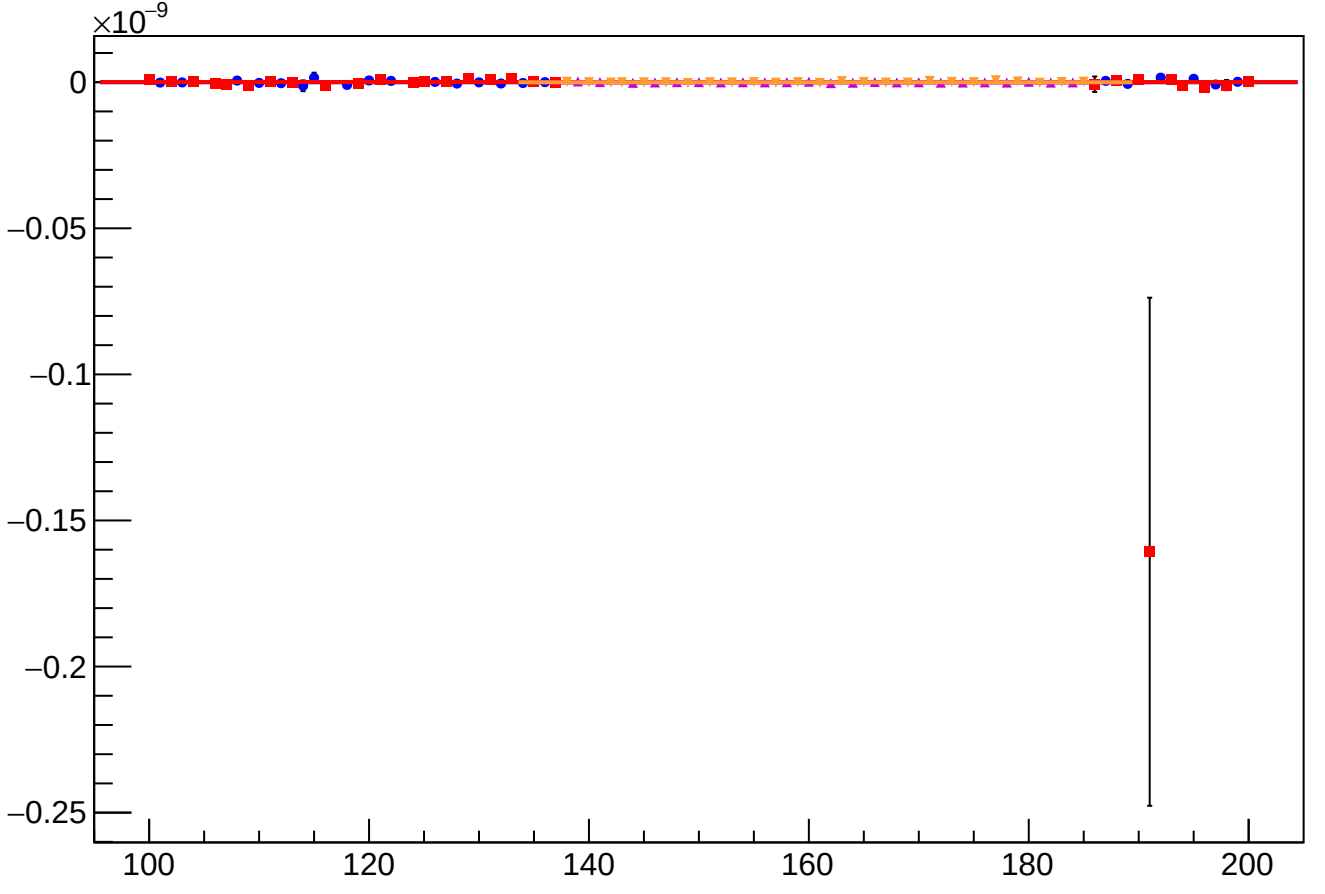
Right Out: 4837.526+/-0.986 χ^2/NDF: 2397261.6/27

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4672.813+/-0.611 χ^2/NDF: 2811211.1/46

All: 4668.661+/-0.430 χ^2/NDF: 6238013.1/97

- sign 4664.595+/-0.605 χ^2/NDF: 3426710.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/27

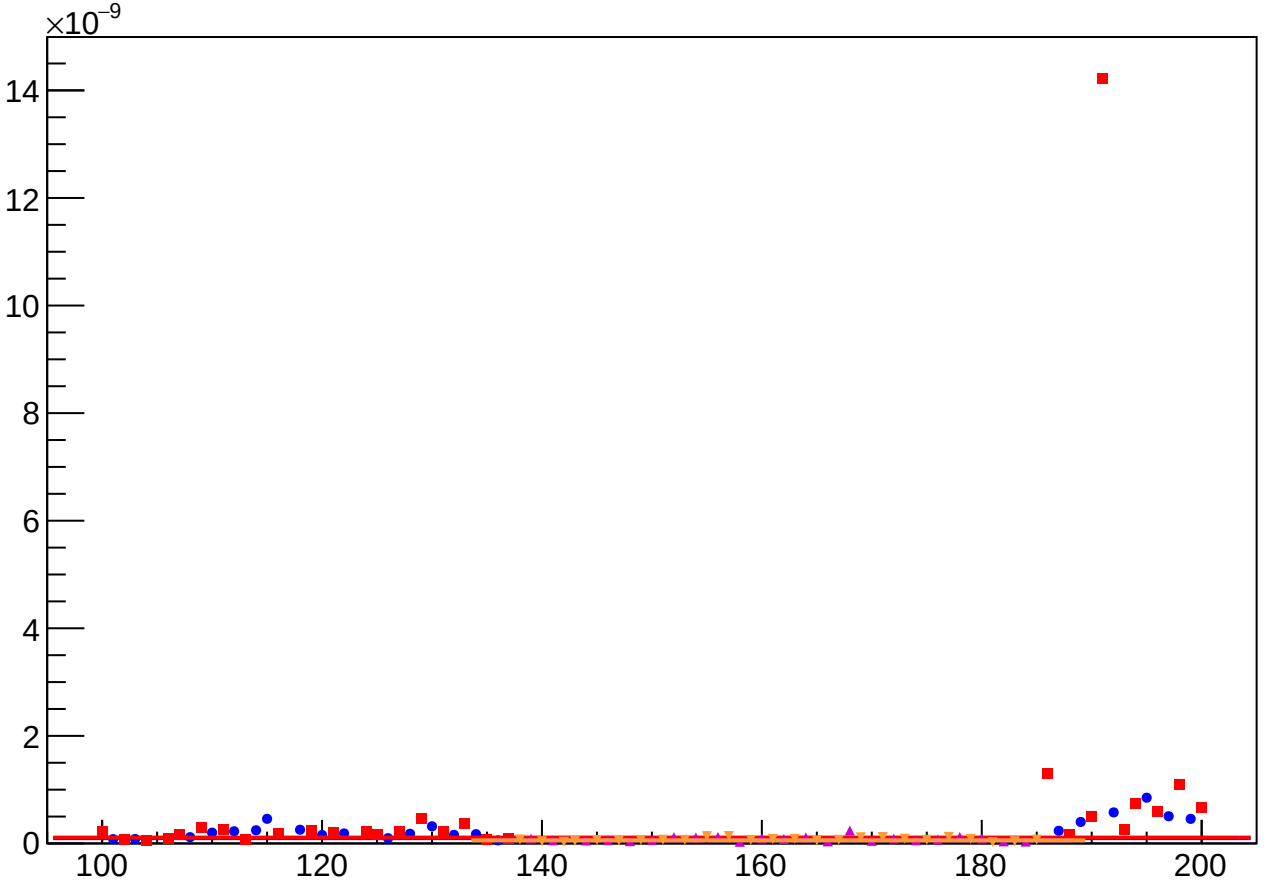
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/46

All: -0.000+/-0.000 χ^2/NDF: 112.3/97

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3448165.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795145.2/27

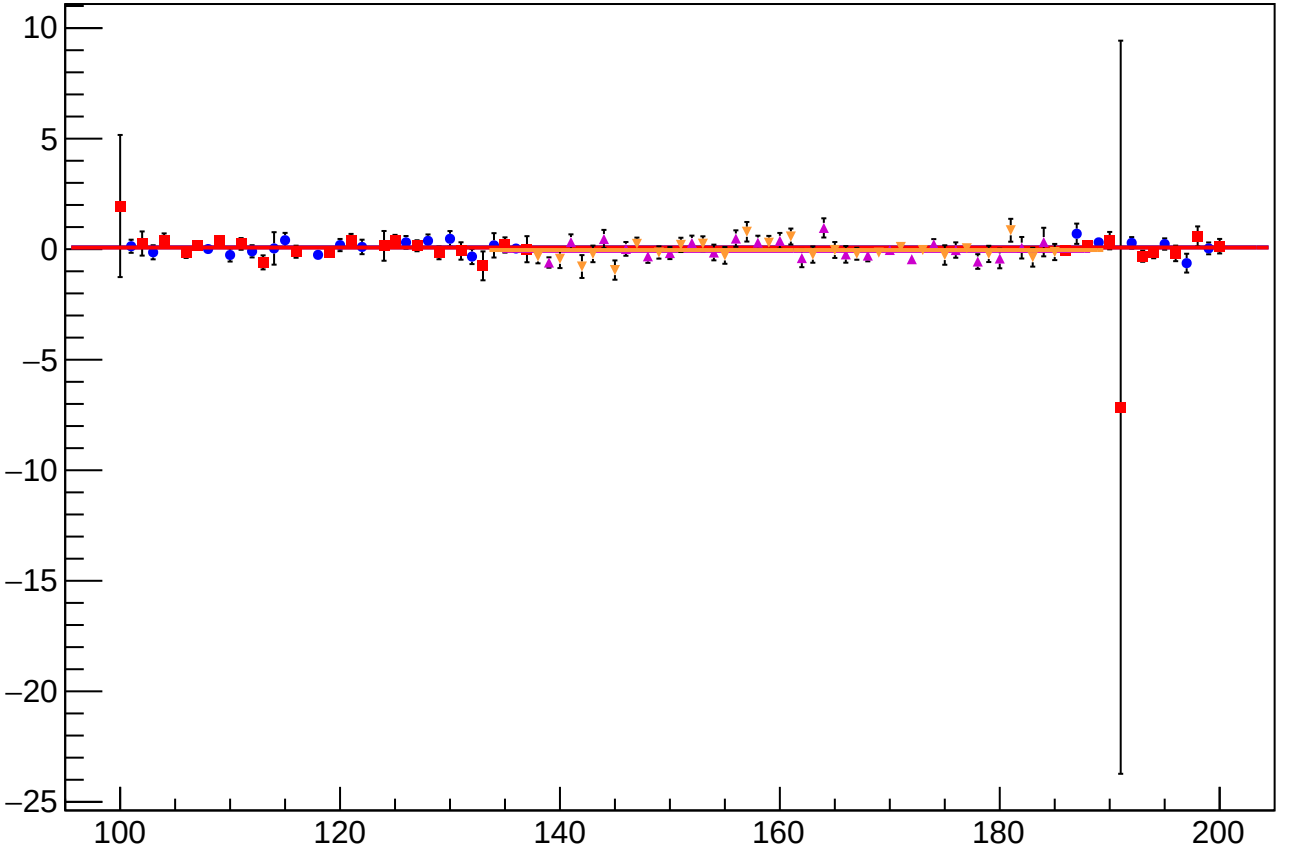
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6146143.9/46

All: 0.000+/-0.000 χ^2/NDF: 14057310.0/97

- sign 0.000+/-0.000 χ^2/NDF: 7905838.8/50

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.075+/-0.053 χ^2/NDF: 24.8/27

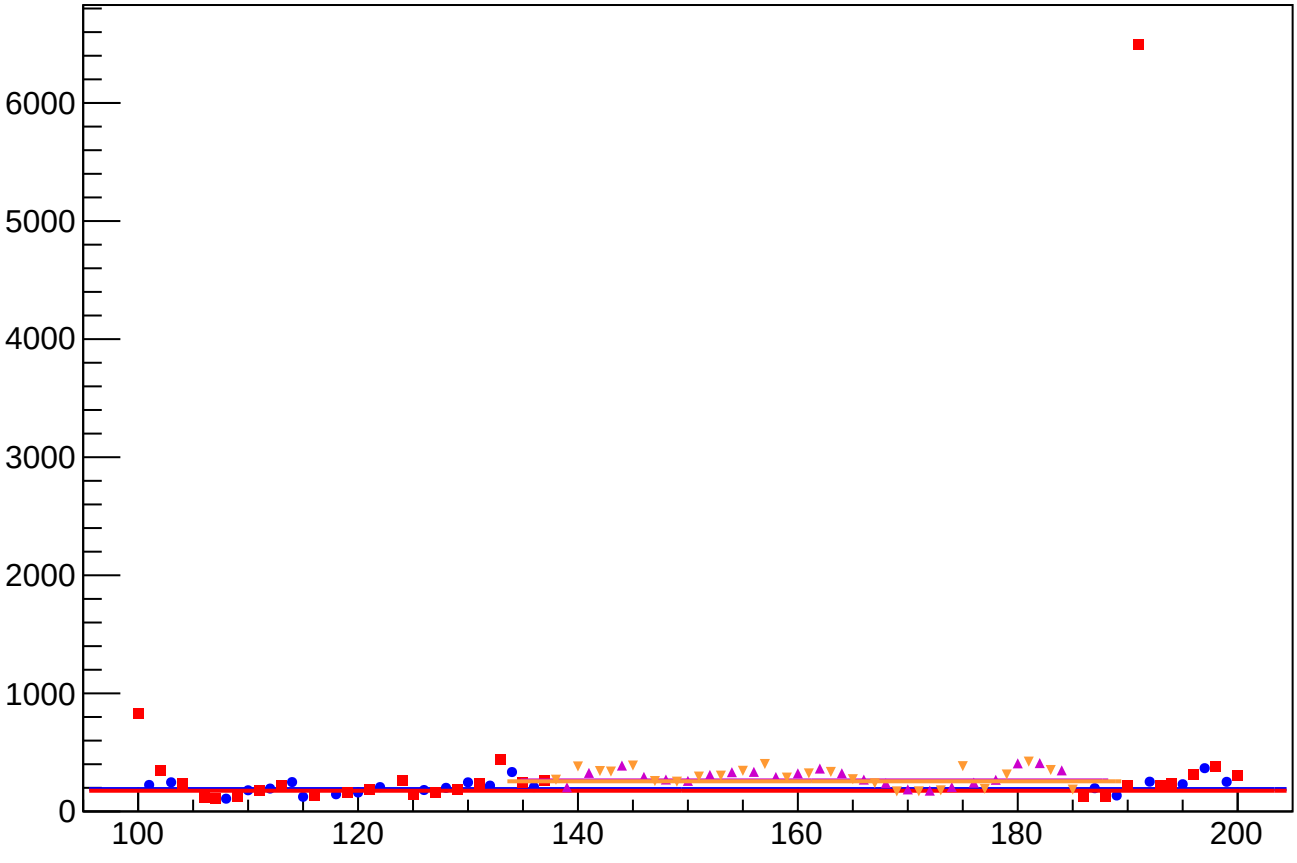
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.019+/-0.030 χ^2/NDF: 103.5/97

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

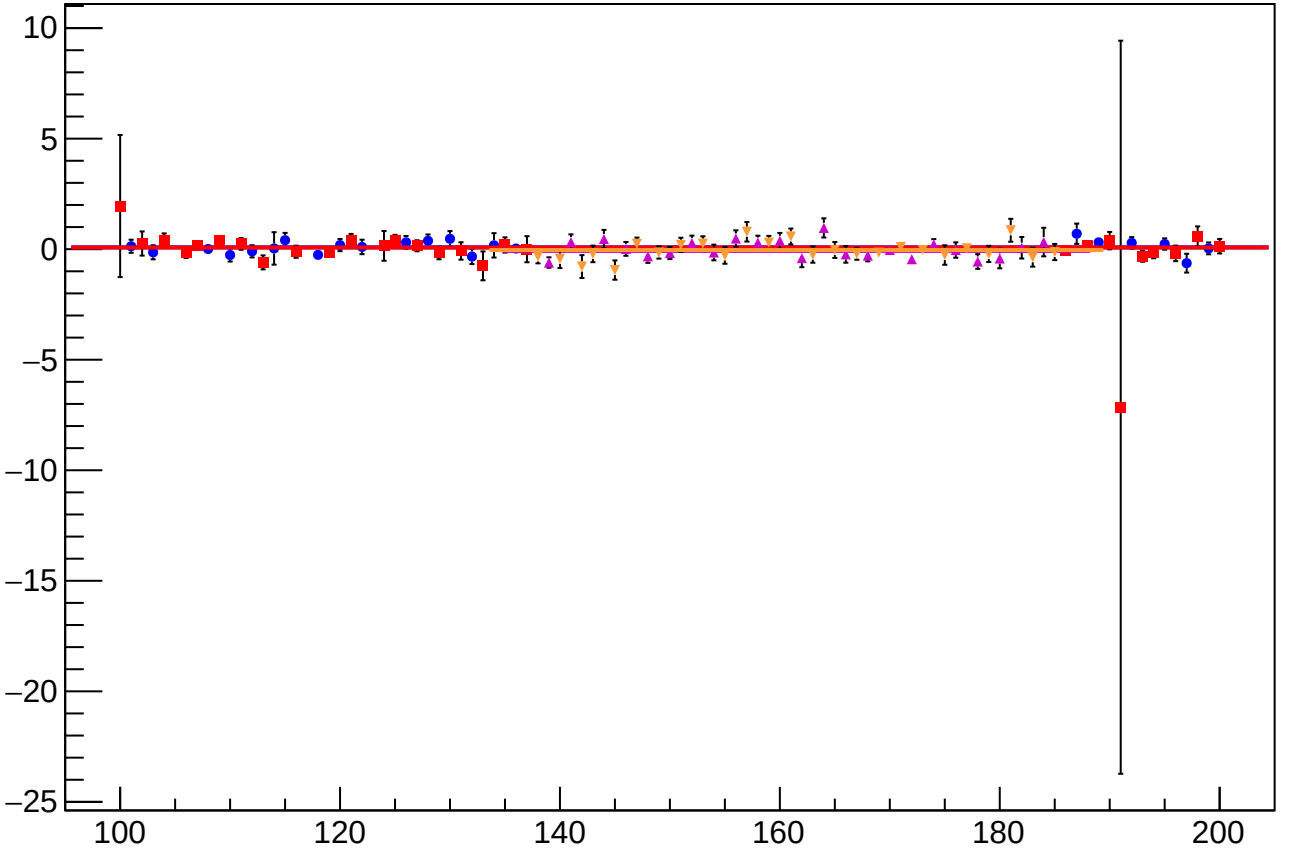
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.259+/-0.030 χ^2/NDF: 5832994.7/46

All: 215.583+/-0.021 χ^2/NDF: 13414769.7/97

- sign 210.401+/-0.029 χ^2/NDF: 7514994.9/50

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.075+/-0.053 χ^2/NDF: 24.8/27

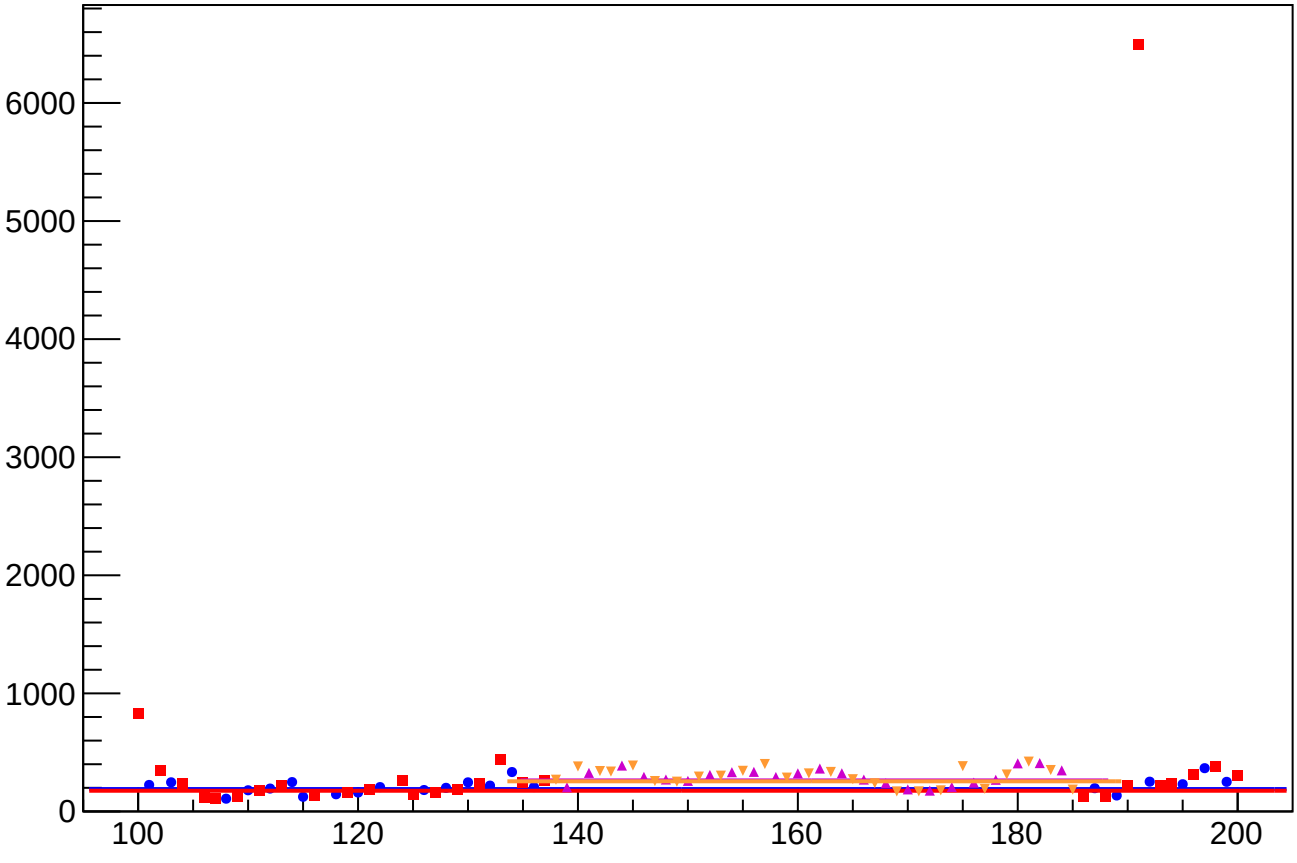
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.019+/-0.030 χ^2/NDF: 103.5/97

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

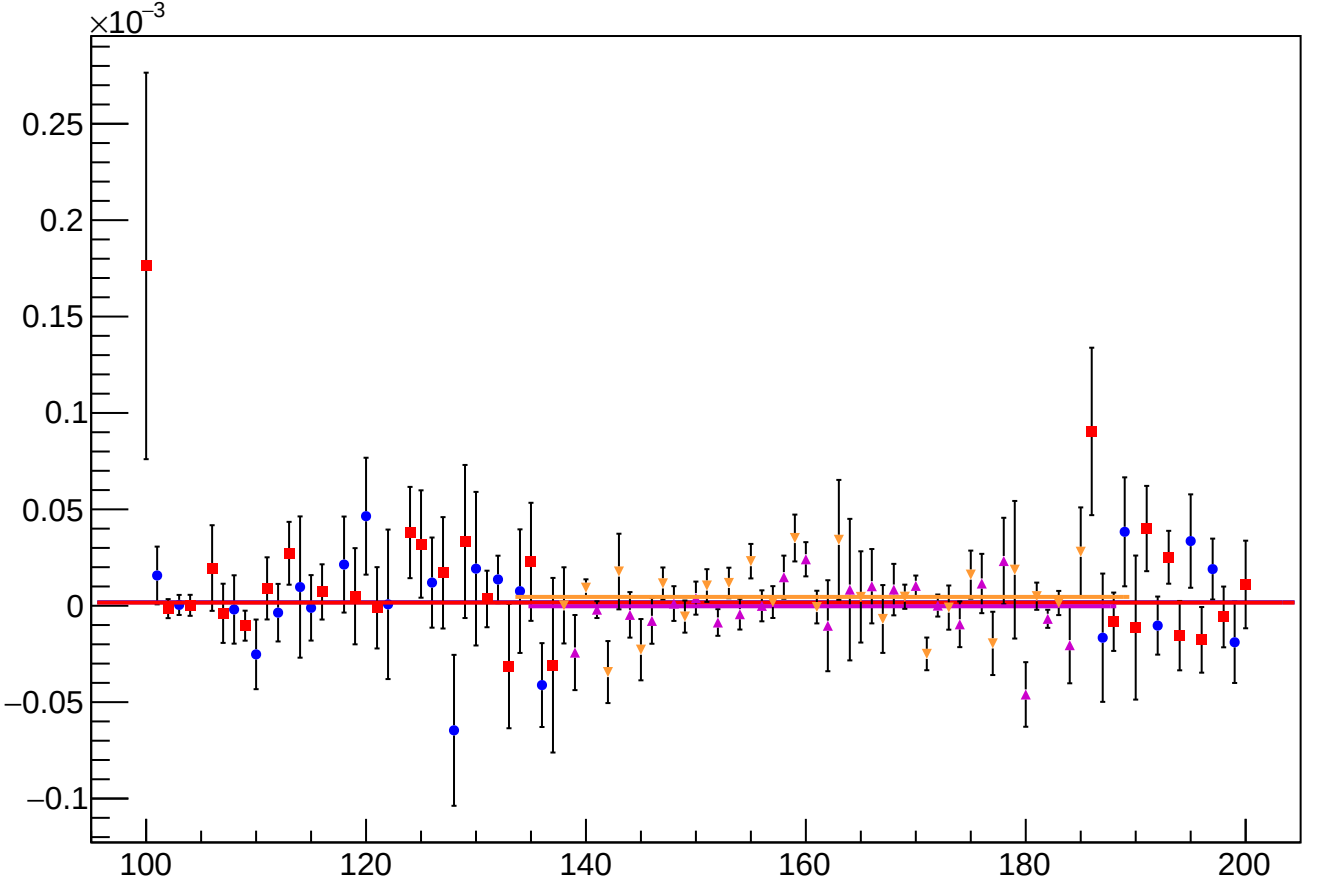
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.259+/-0.030 χ^2/NDF: 5832994.7/46

All: 215.583+/-0.021 χ^2/NDF: 13414769.7/97

- sign 210.401+/-0.029 χ^2/NDF: 7514994.9/50

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

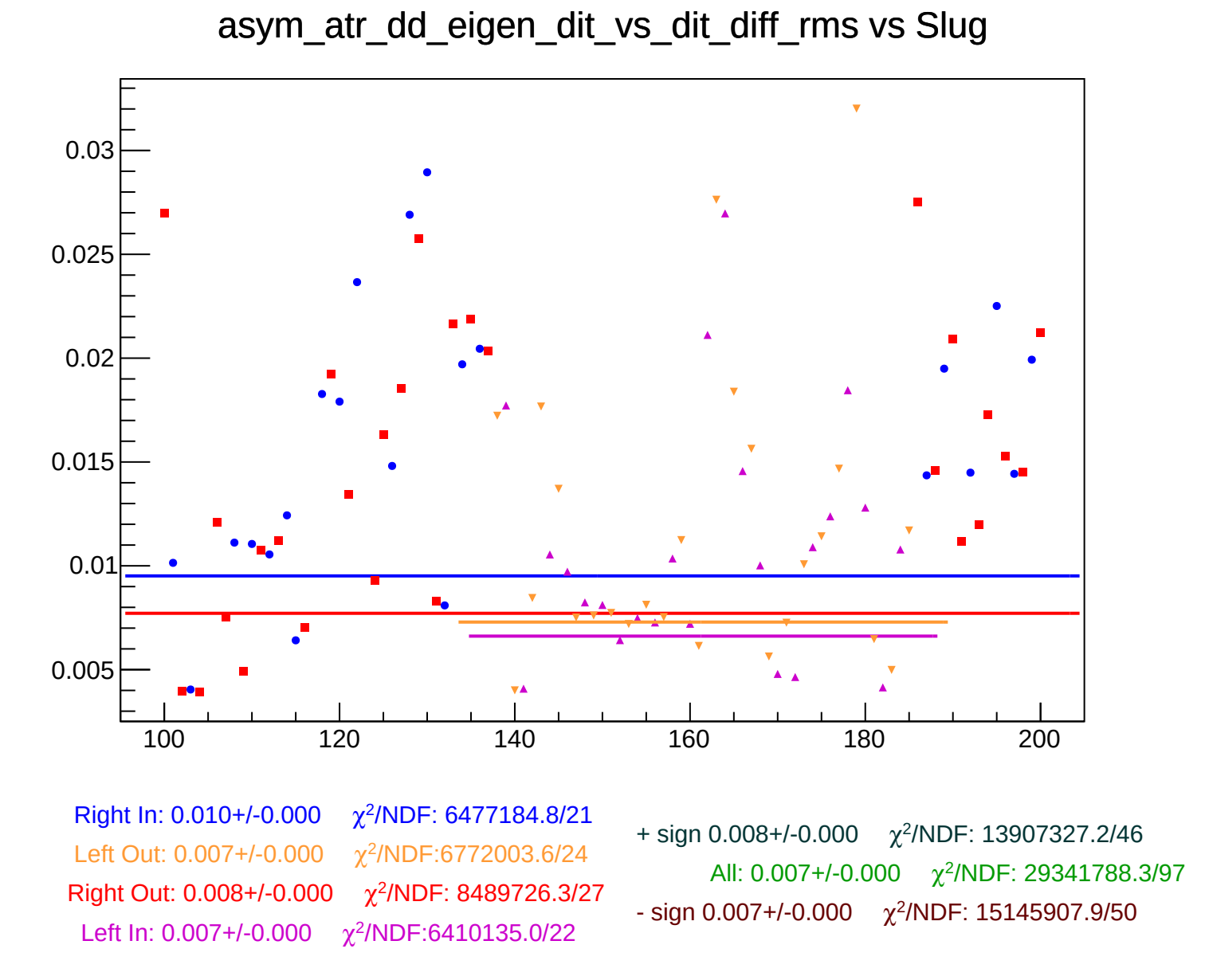
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

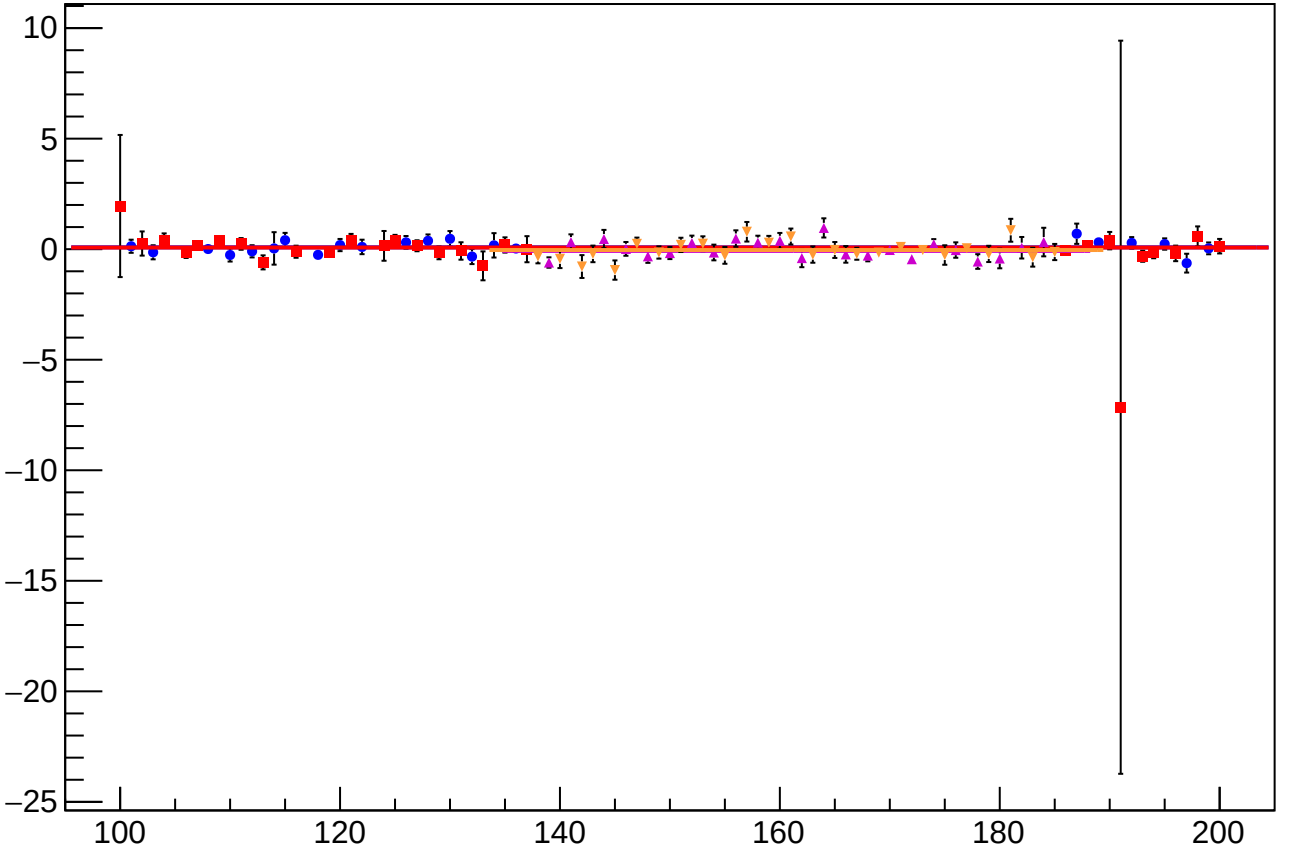
+ sign 0.000+/-0.000 χ^2/NDF: 64.7/46

All: 0.000+/-0.000 χ^2/NDF: 128.3/97

- sign 0.000+/-0.000 χ^2/NDF: 60.9/50


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 6477184.8/21
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 8489726.3/27
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 13907327.2/46
All: 0.007+/-0.000 χ²/NDF: 29341788.3/97
- sign 0.007+/-0.000 χ²/NDF: 15145907.9/50

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.075+/-0.053 χ^2/NDF: 24.7/27

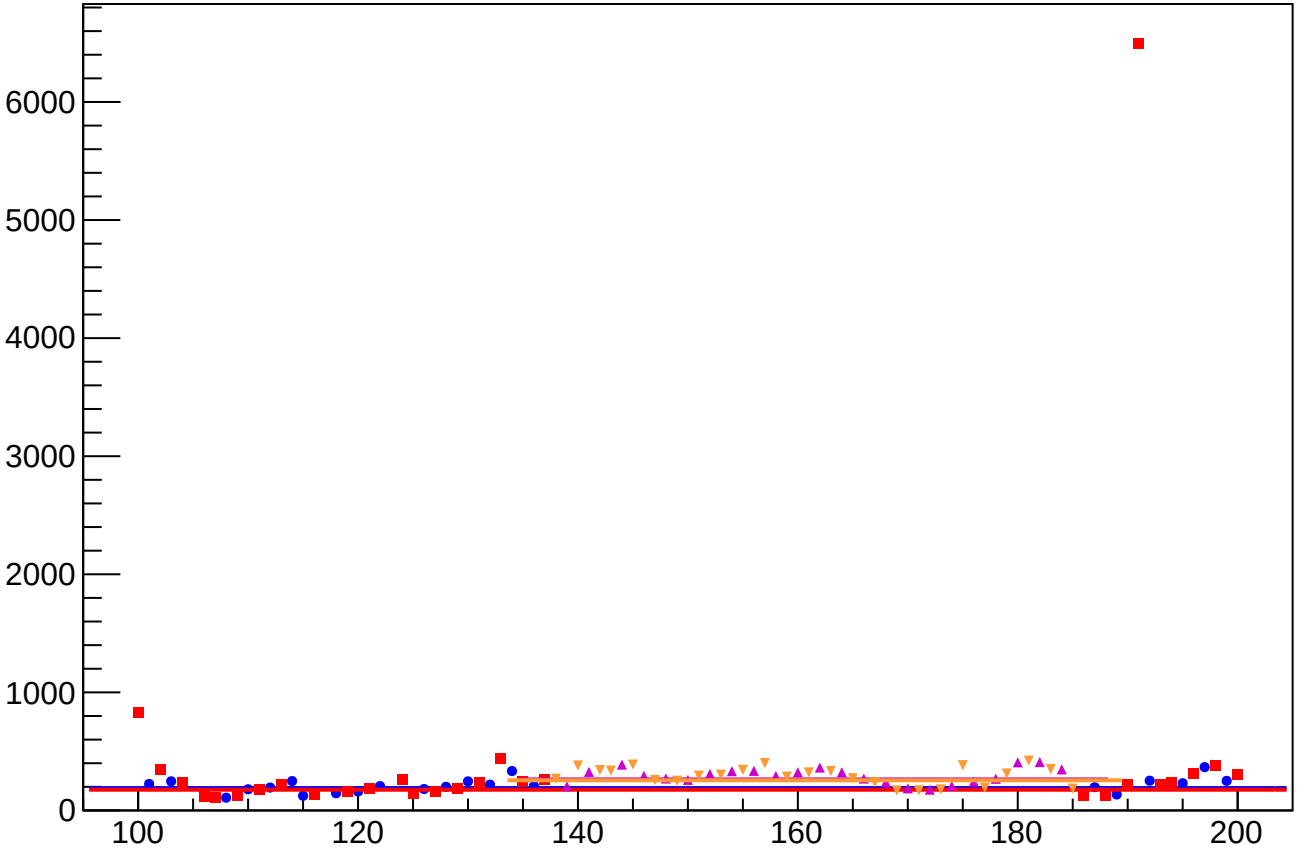
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.019+/-0.030 χ^2/NDF: 103.5/97

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

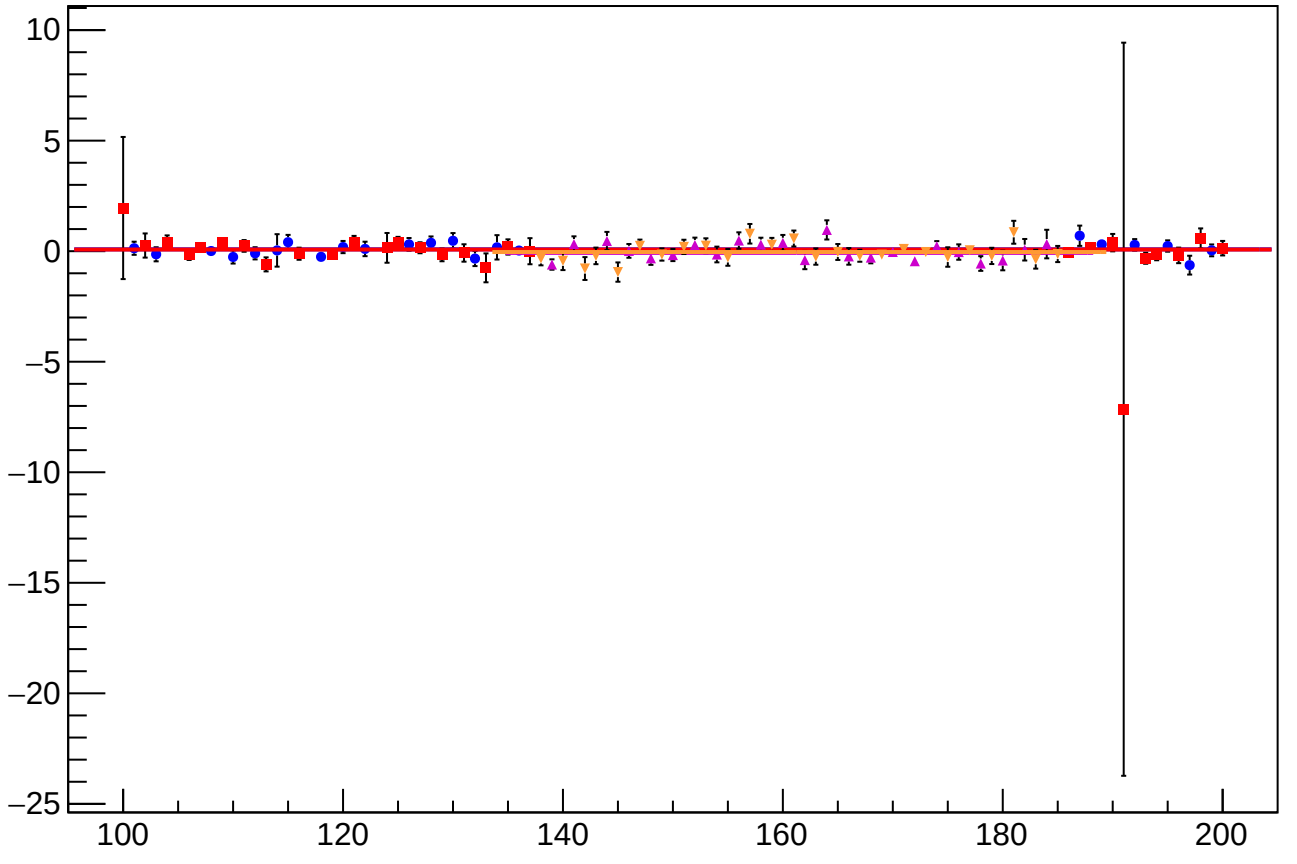
Right Out: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.260+/-0.030 χ^2/NDF: 5833164.7/46

All: 215.584+/-0.021 χ^2/NDF: 13414935.8/97

- sign 210.403+/-0.029 χ^2/NDF: 7515006.8/50



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

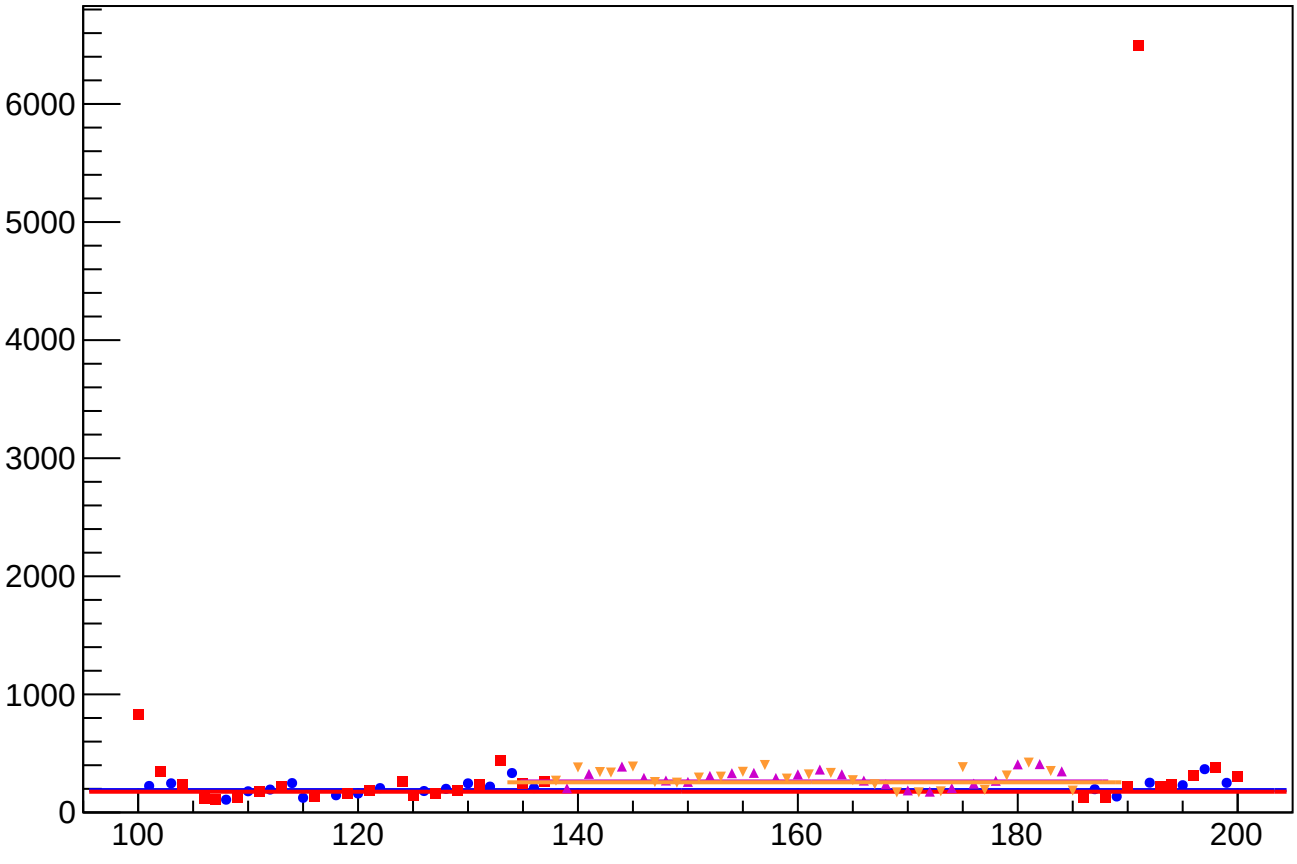
Right Out: 0.075+/-0.053 χ^2/NDF: 24.7/27

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.019+/-0.030 χ^2/NDF: 103.5/97

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

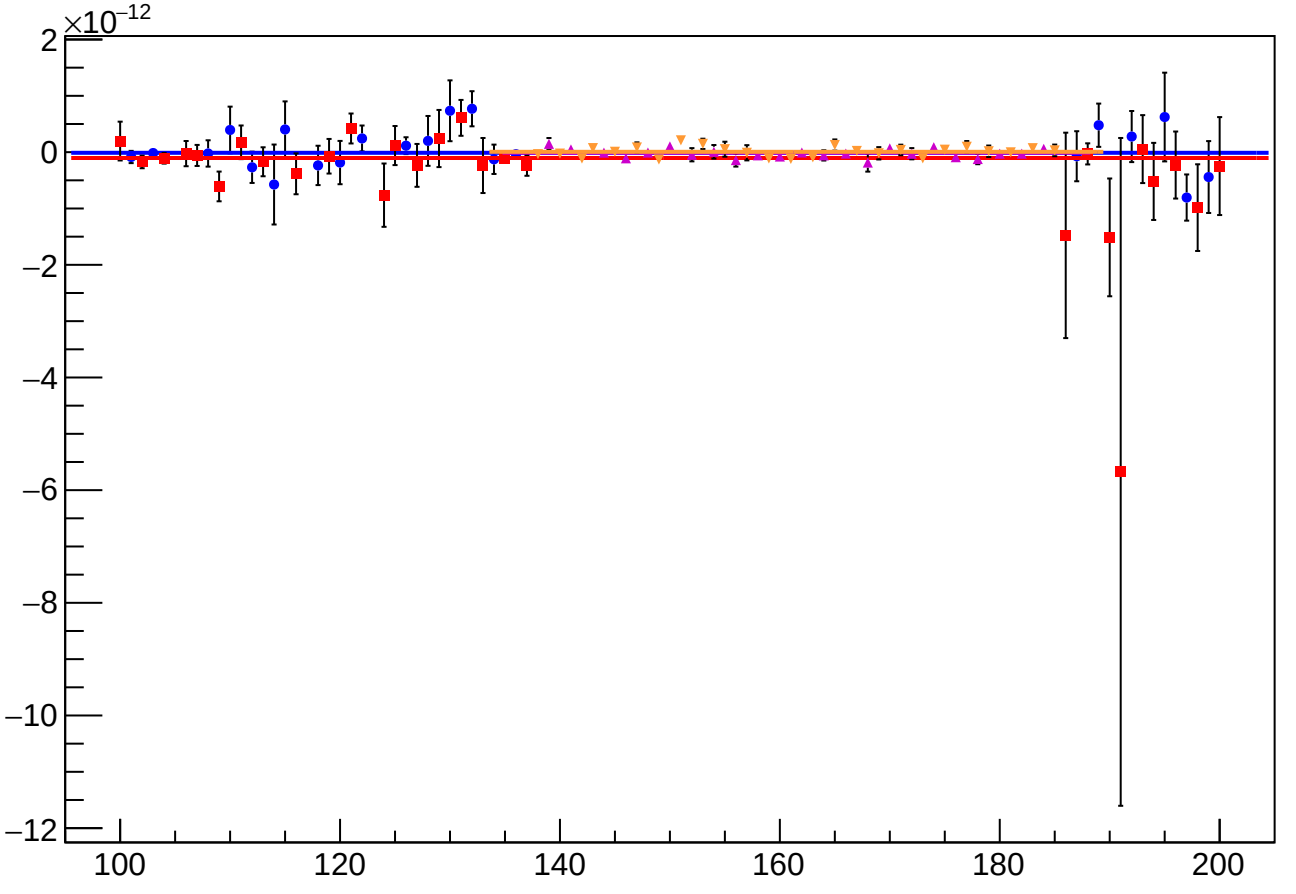
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.260+/-0.030 χ^2/NDF: 5833164.7/46

All: 215.584+/-0.021 χ^2/NDF: 13414935.8/97

- sign 210.403+/-0.029 χ^2/NDF: 7515006.8/50

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

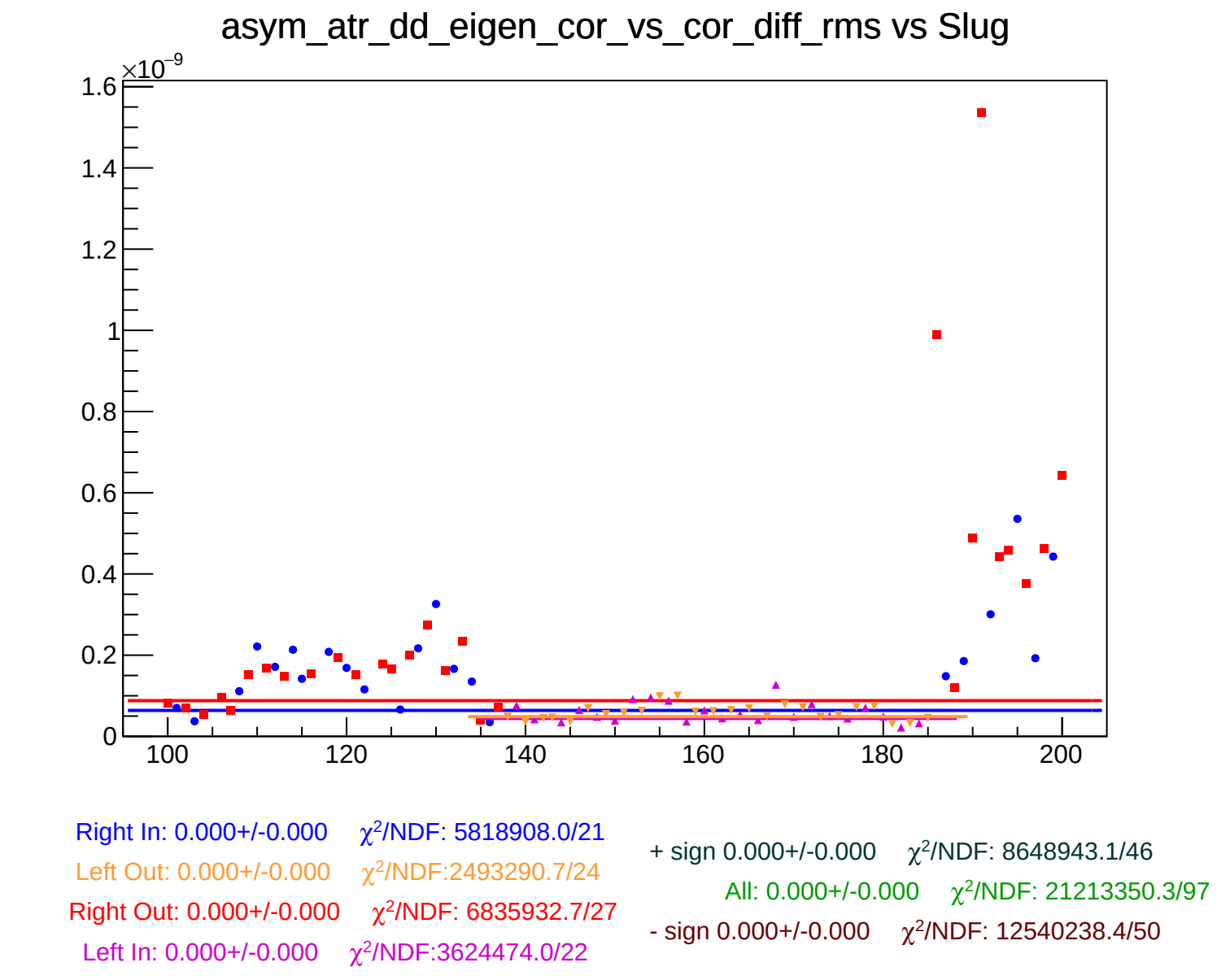
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

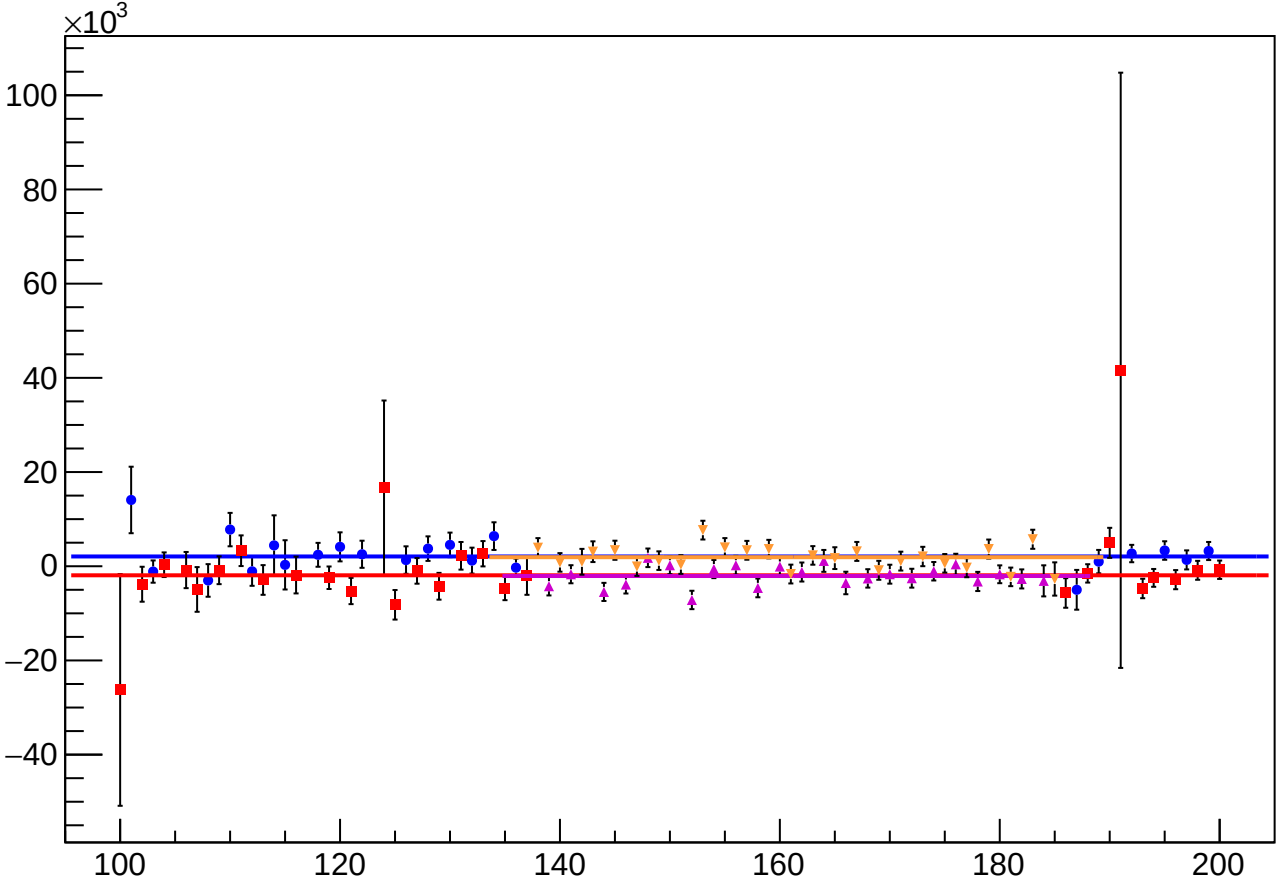
+ sign 0.000+/-0.000 χ^2/NDF: 52.7/46

All: -0.000+/-0.000 χ^2/NDF: 103.9/97

- sign -0.000+/-0.000 χ^2/NDF: 49.8/50


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5818908.0/21
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6835932.7/27
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 8648943.1/46
All: 0.000+/-0.000 χ²/NDF: 21213350.3/97
- sign 0.000+/-0.000 χ²/NDF: 12540238.4/50

reg_asym_at1_avg_mean vs Slug



Right In: 2077.309+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1922.208+/-529.047 χ^2/NDF: 27.9/27

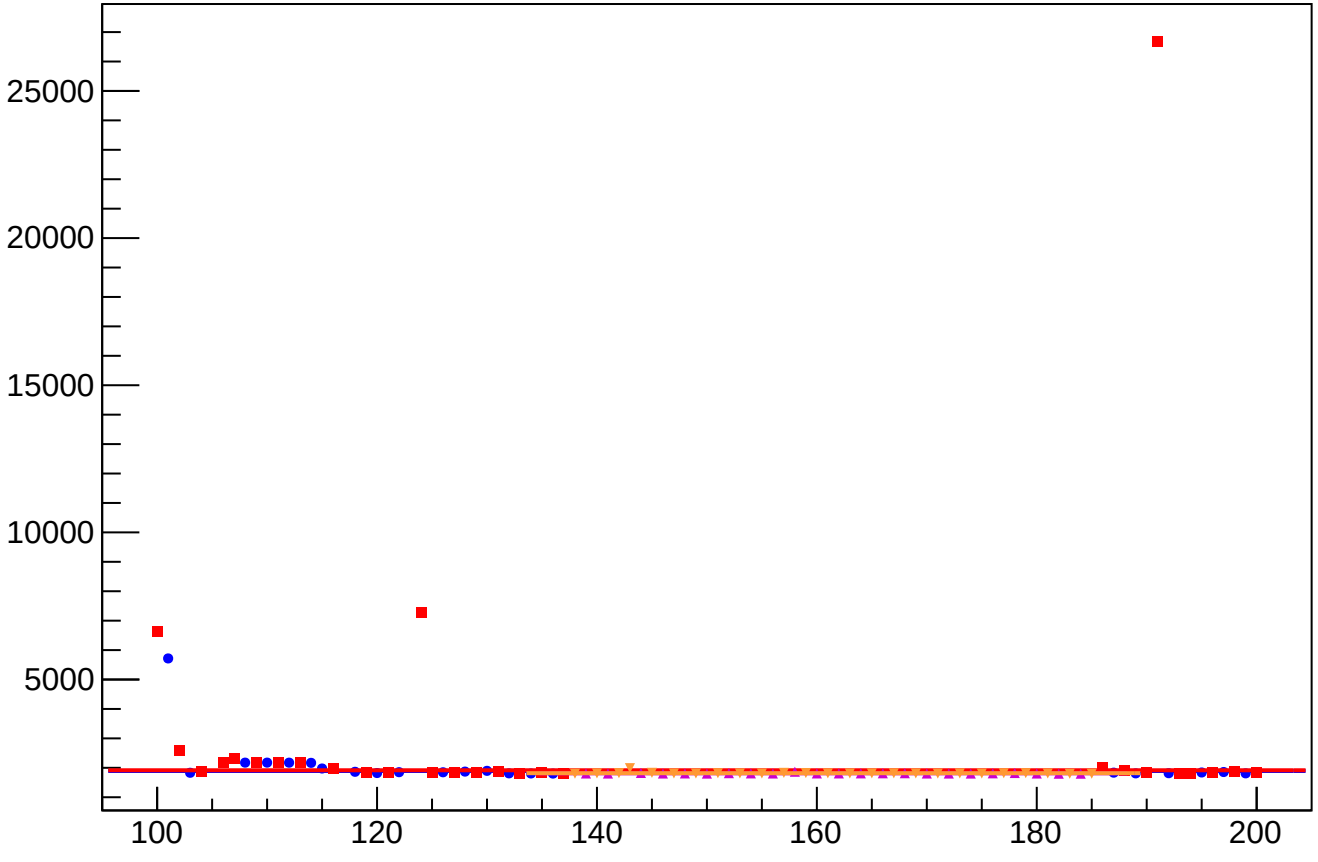
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.167+/-333.387 χ^2/NDF: 53.0/46

All: -37.357+/-234.704 χ^2/NDF: 179.8/97

- sign -2014.895+/-330.476 χ^2/NDF: 54.5/50

reg_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1916.410+/-0.374 χ^2/NDF: 722464.6/27

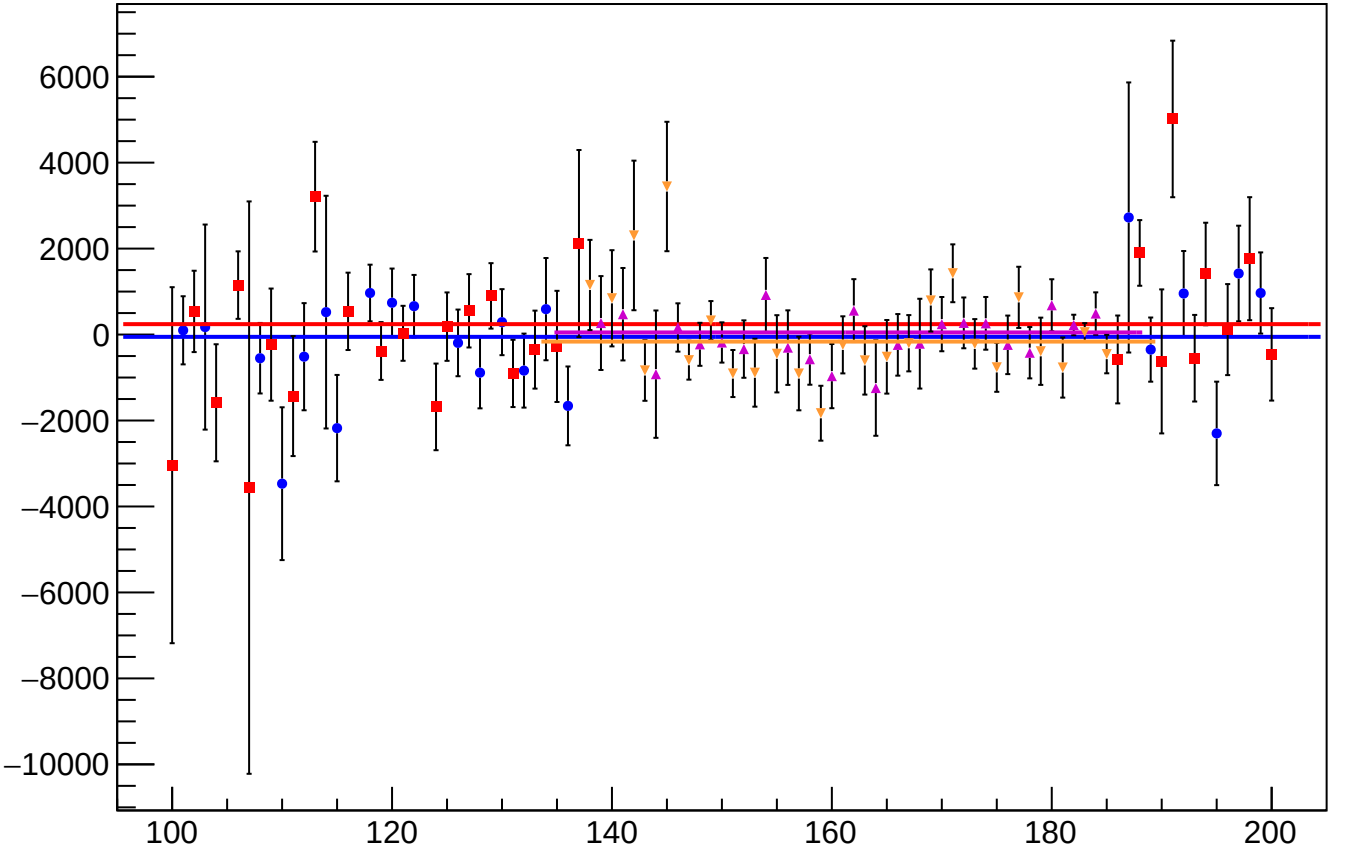
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.7/46

All: 1848.399+/-0.166 χ^2/NDF: 1465074.9/97

- sign 1853.074+/-0.234 χ^2/NDF: 771484.9/50

asym_at1_avg_reg_correction_mean vs Slug



Right In: -53.508+/-202.563 χ^2/NDF: 25.4/21

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 242.258+/-190.521 χ^2/NDF: 35.9/27

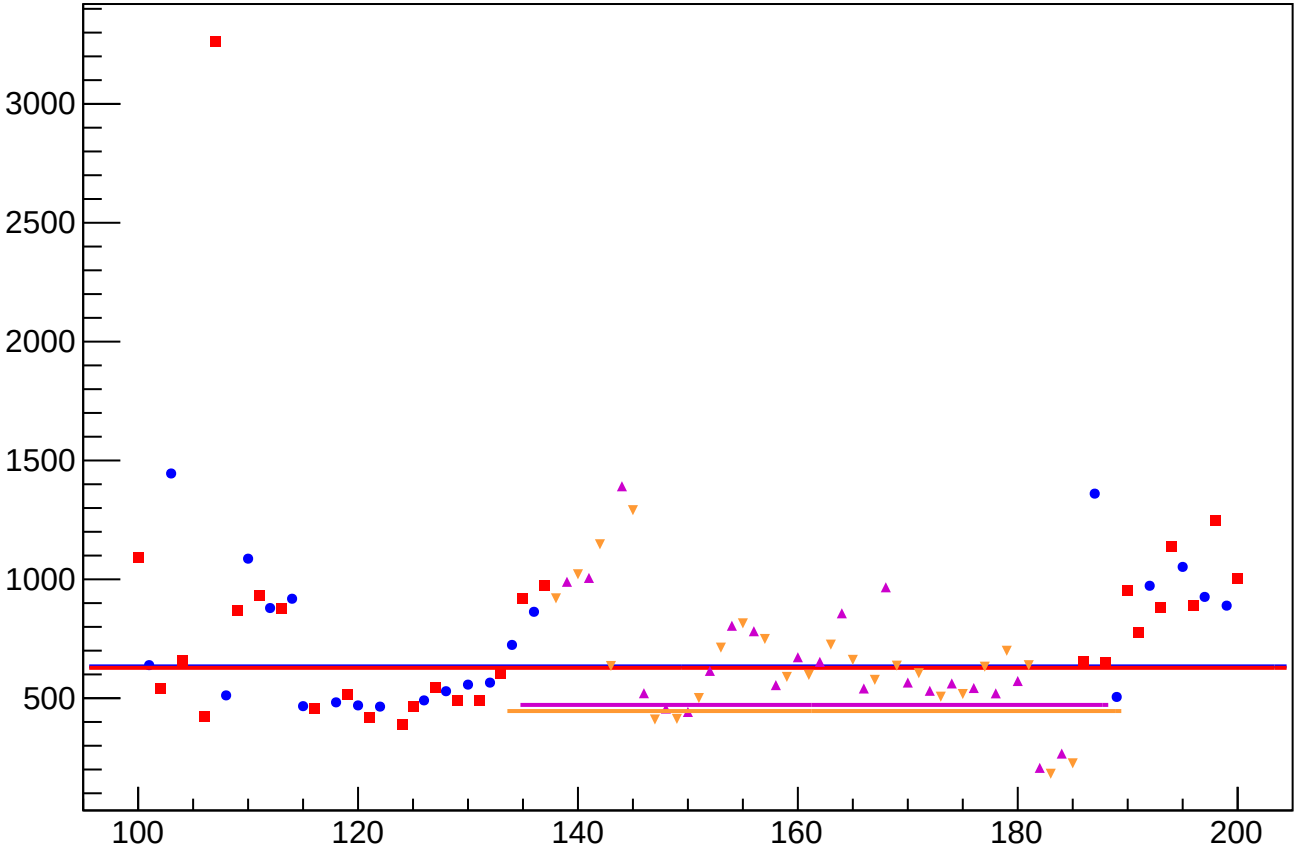
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -136.205+/-100.201 χ^2/NDF: 62.5/46

All: -18.686+/-71.874 χ^2/NDF: 113.3/97

- sign 105.856+/-103.153 χ^2/NDF: 48.0/50

asym_at1_avg_reg_correction_rms vs Slug



Right In: 633.791+/-0.143 χ^2/NDF: 2037962.6/21

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 627.749+/-0.135 χ^2/NDF: 2887311.7/27

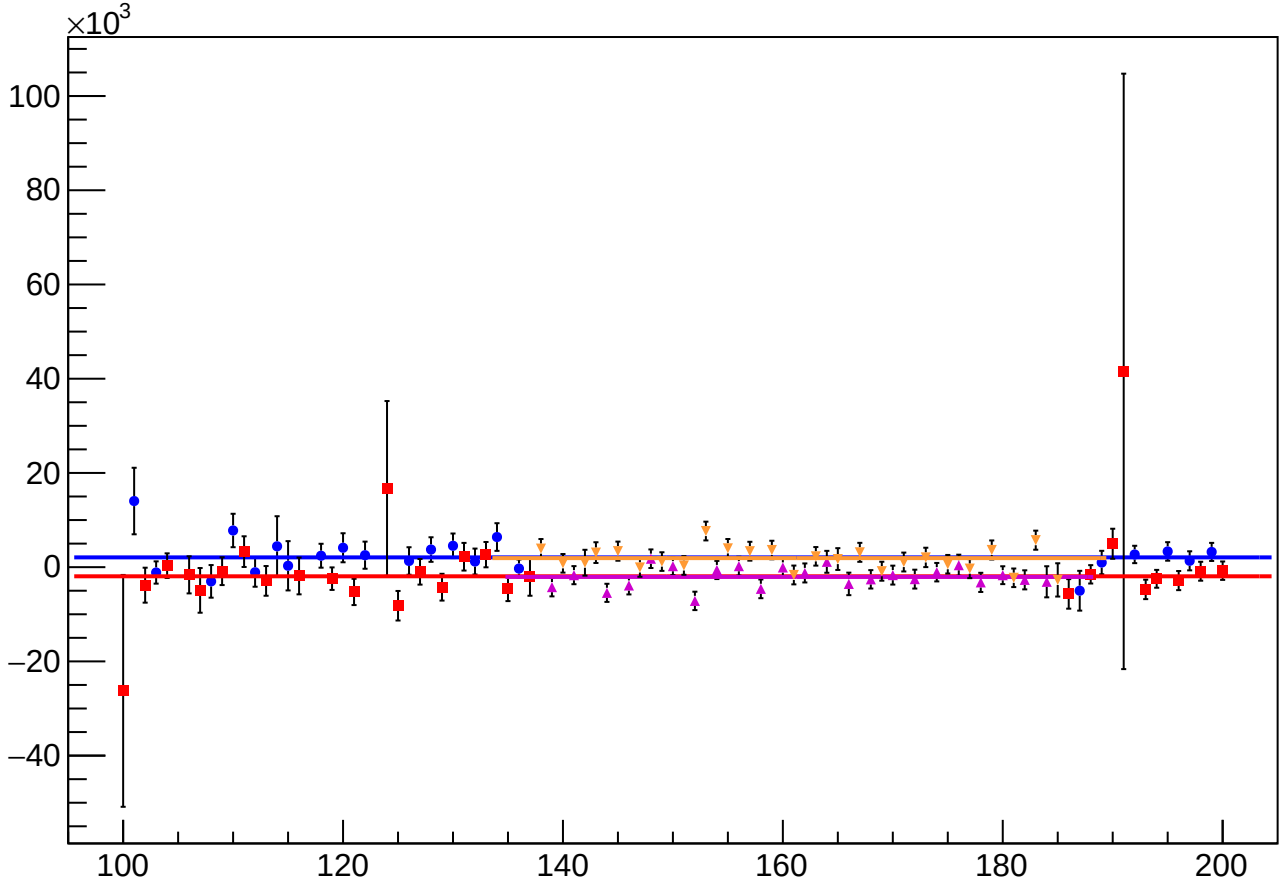
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 491.871+/-0.071 χ^2/NDF: 11320220.8/46

All: 504.302+/-0.051 χ^2/NDF: 21632704.8/97

- sign 517.476+/-0.073 χ^2/NDF: 10249077.2/50

cor_asym_at1_avg_mean vs Slug



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1938.211+/-529.287 χ^2/NDF: 27.8/27

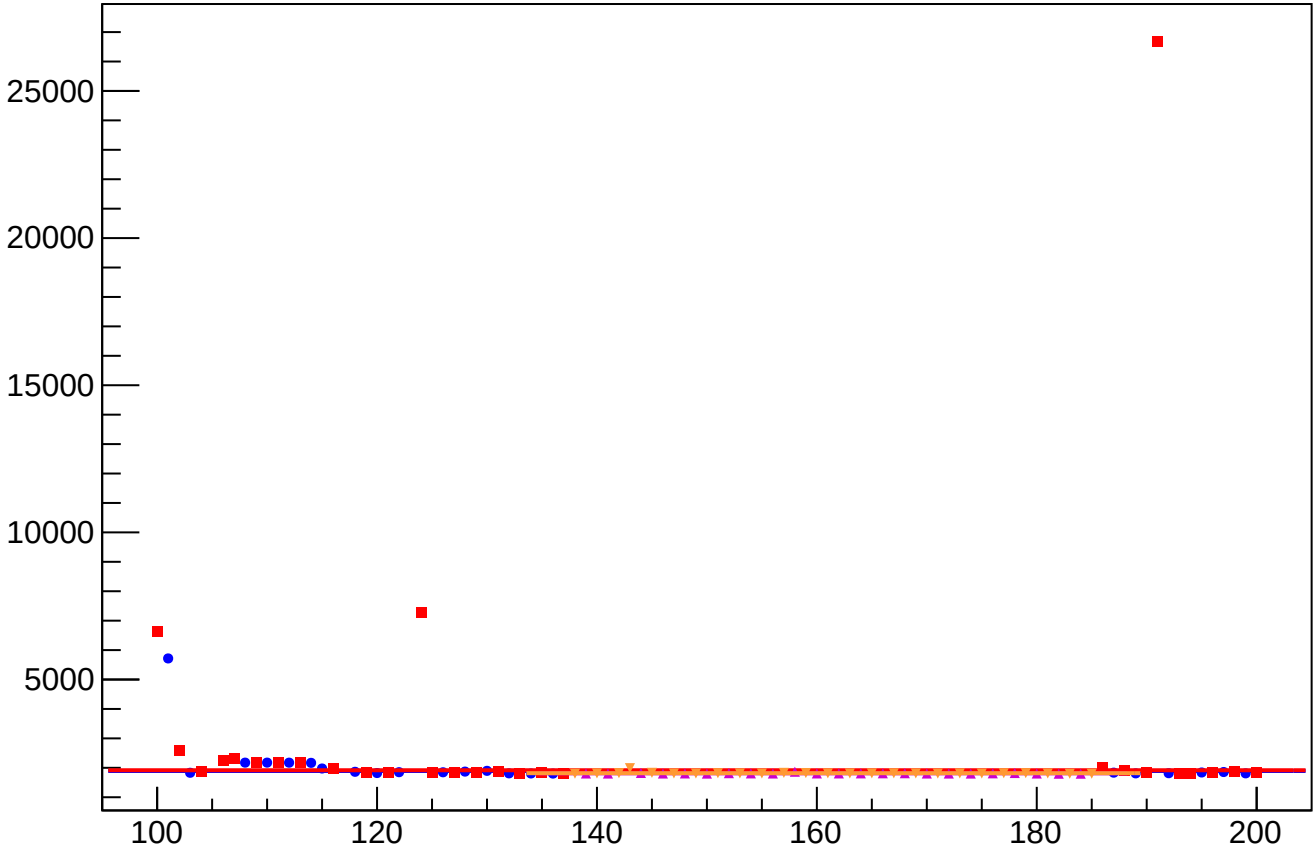
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.091+/-333.387 χ^2/NDF: 53.0/46

All: -40.236+/-234.725 χ^2/NDF: 179.9/97

- sign -2021.231+/-330.535 χ^2/NDF: 54.4/50

cor_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

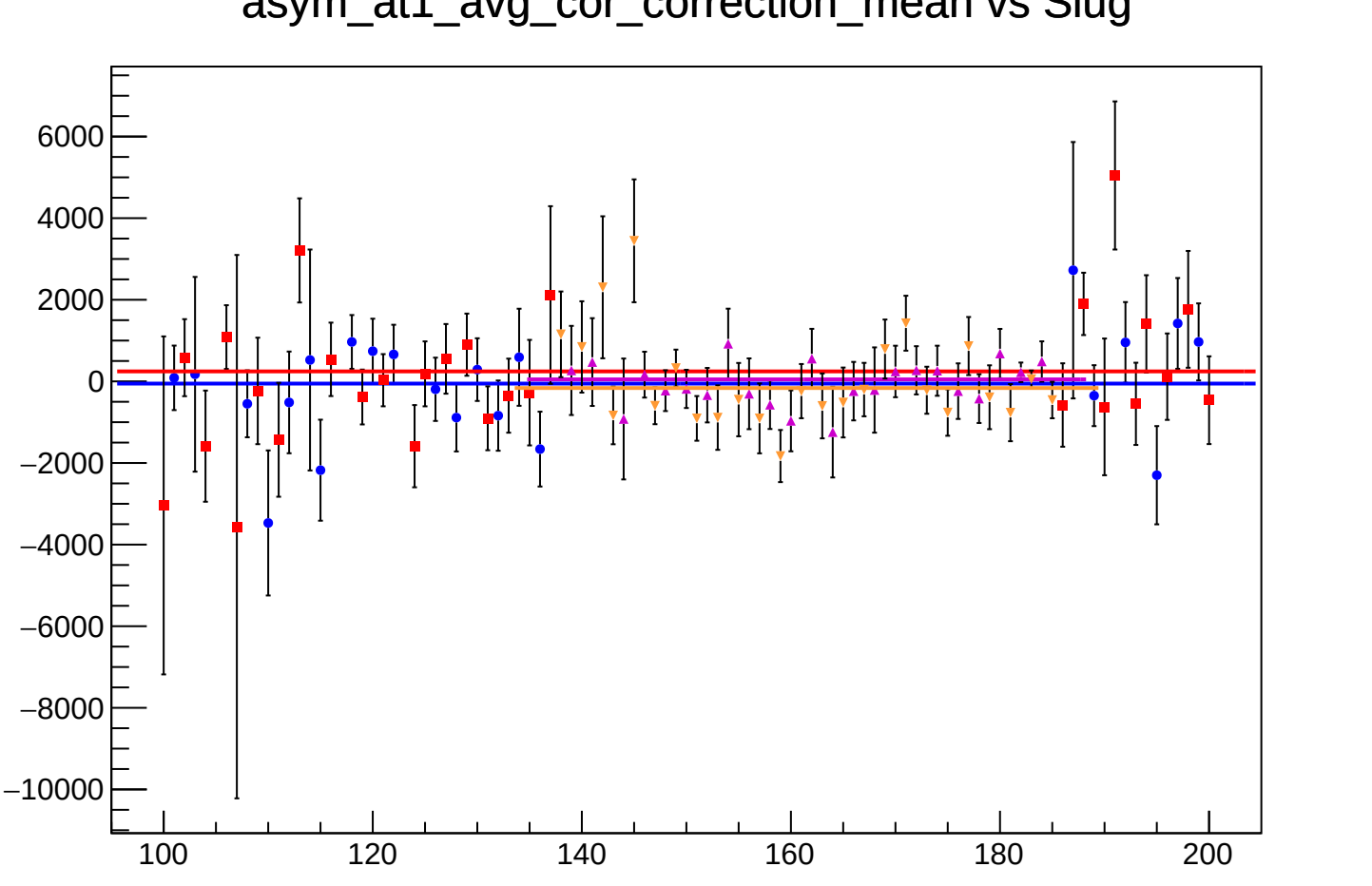
Right Out: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.6/46

All: 1848.518+/-0.166 χ^2/NDF: 1469150.7/97

- sign 1853.311+/-0.234 χ^2/NDF: 775519.6/50



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 244.772+/-190.426 χ^2/NDF: 35.6/27

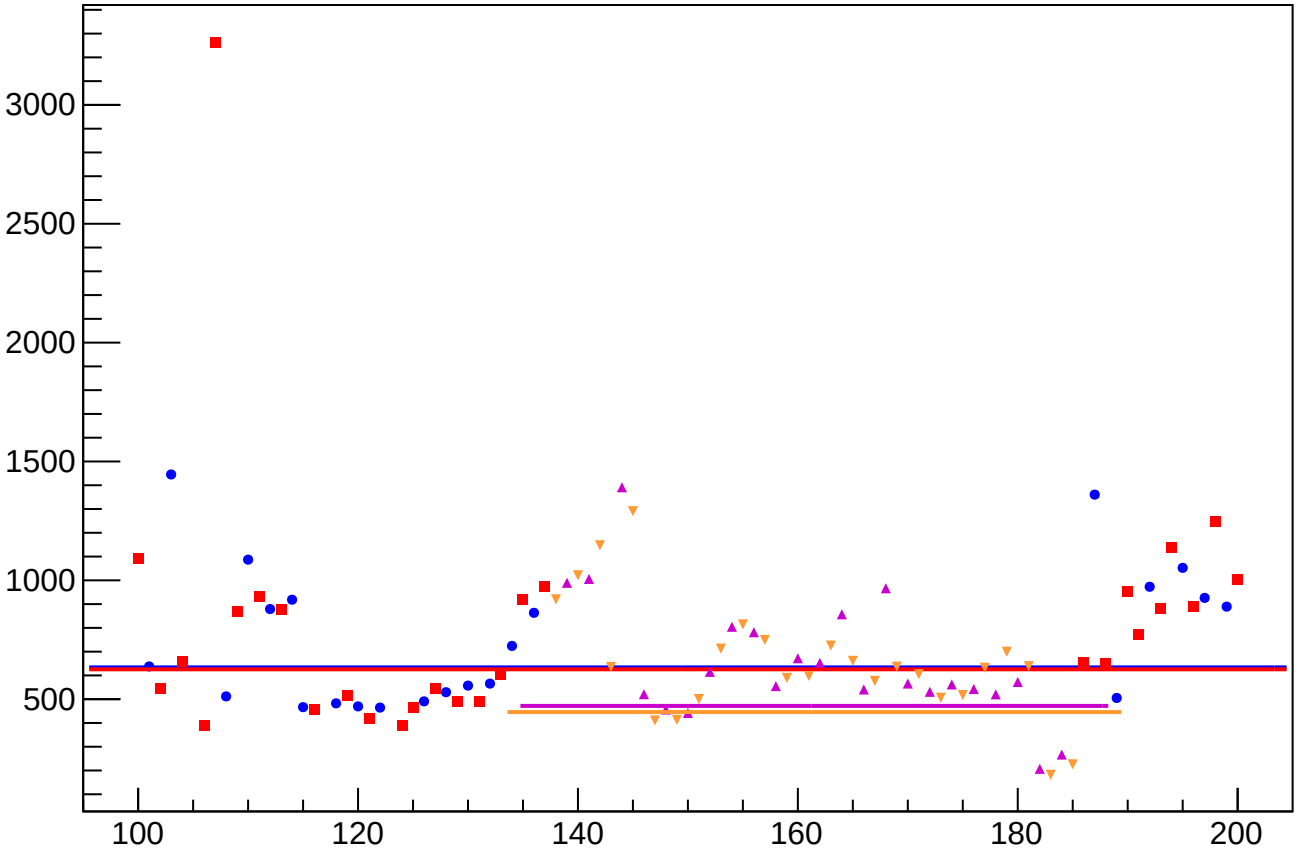
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -136.294+/-100.195 χ^2/NDF: 62.5/46

All: -18.339+/-71.867 χ^2/NDF: 113.0/97

- sign 106.649+/-103.139 χ^2/NDF: 47.6/50

asym_at1_avg_cor_correction_rms vs Slug



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

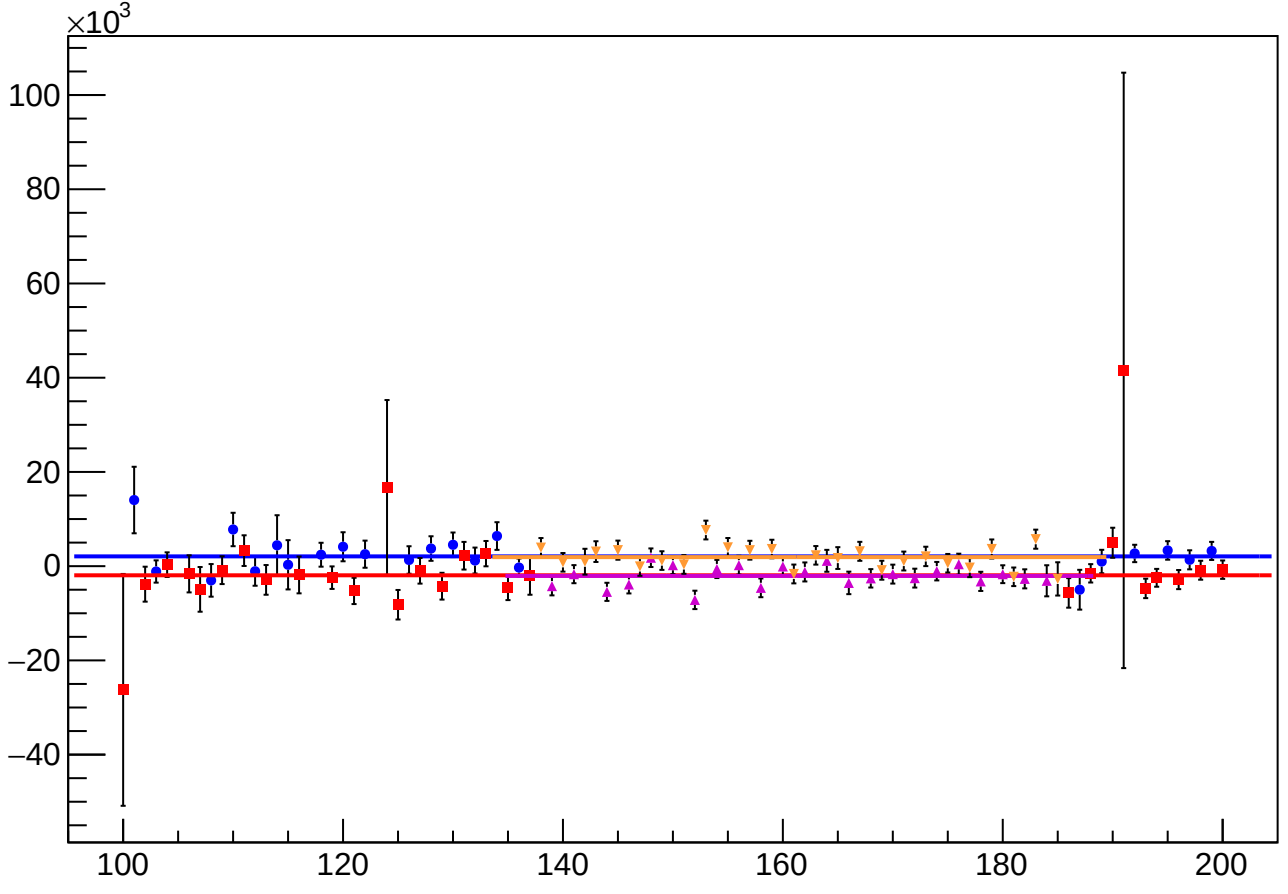
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 491.839+/-0.071 χ^2/NDF: 11321148.8/46

All: 504.021+/-0.051 χ^2/NDF: 21655925.1/97

- sign 516.929+/-0.073 χ^2/NDF: 10273881.2/50

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1938.211+/-529.287 χ^2/NDF: 27.8/27

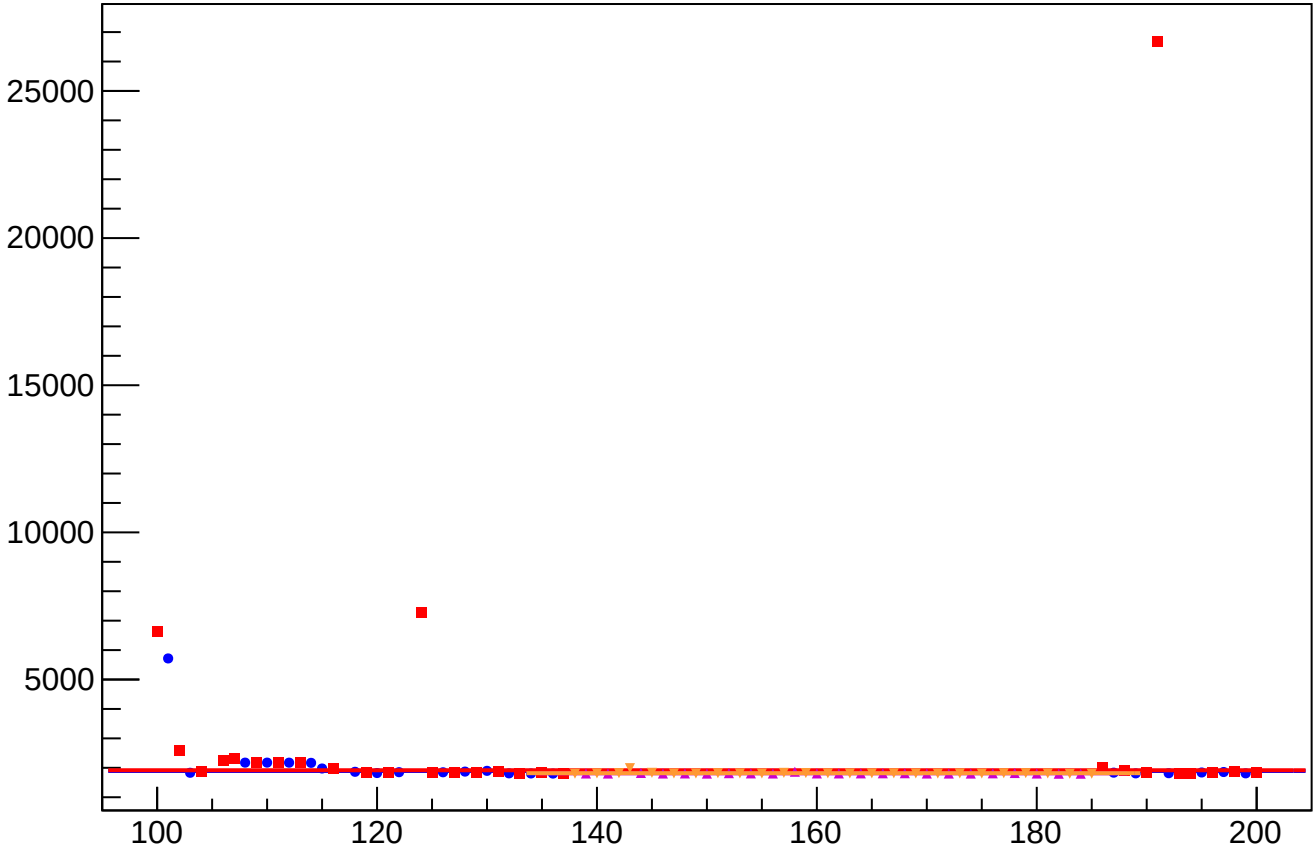
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.091+/-333.387 χ^2/NDF: 53.0/46

All: -40.236+/-234.725 χ^2/NDF: 179.9/97

- sign -2021.231+/-330.535 χ^2/NDF: 54.4/50

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

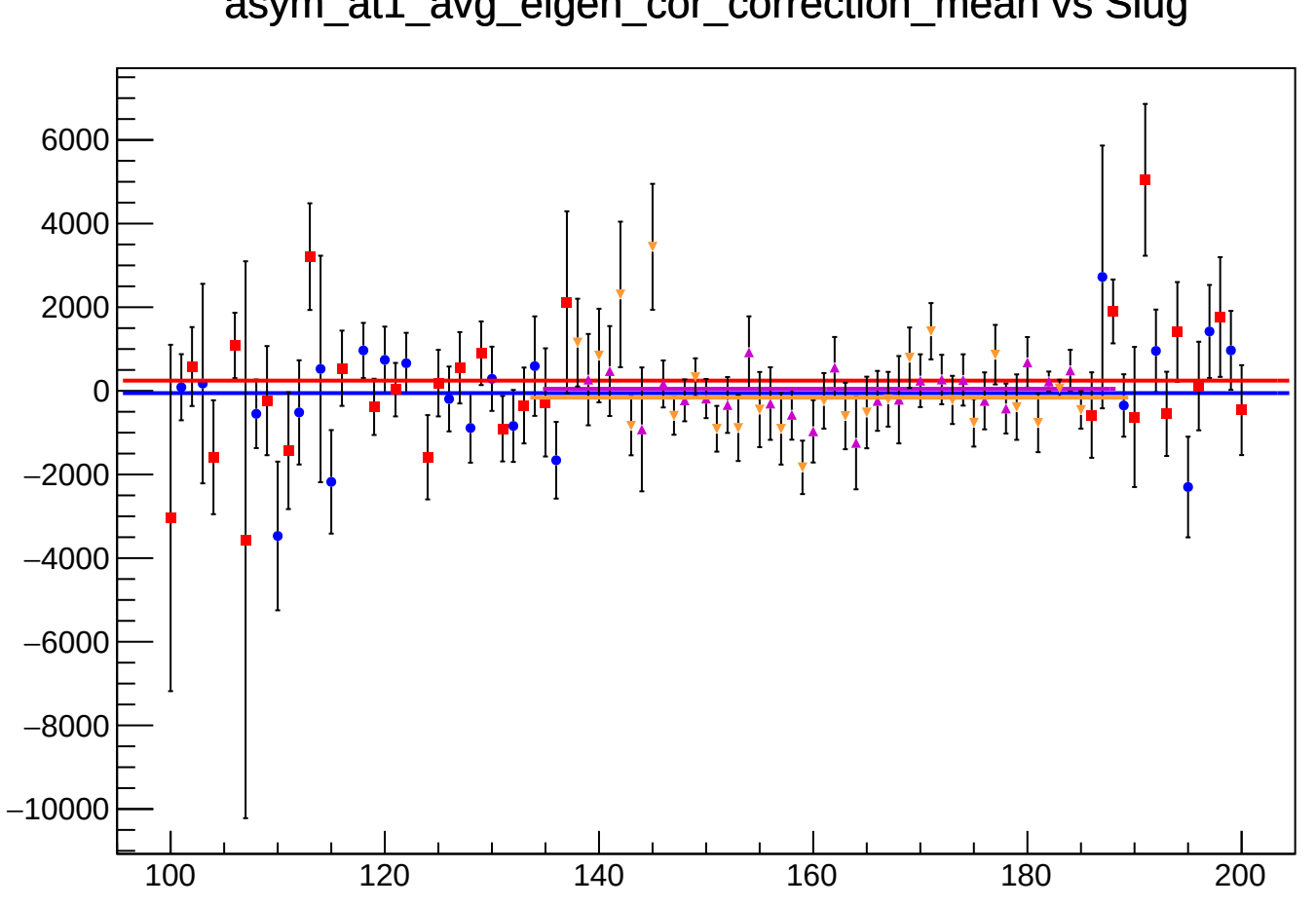
Right Out: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.6/46

All: 1848.518+/-0.166 χ^2/NDF: 1469150.7/97

- sign 1853.311+/-0.234 χ^2/NDF: 775519.6/50



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 244.772+/-190.426 χ^2/NDF: 35.6/27

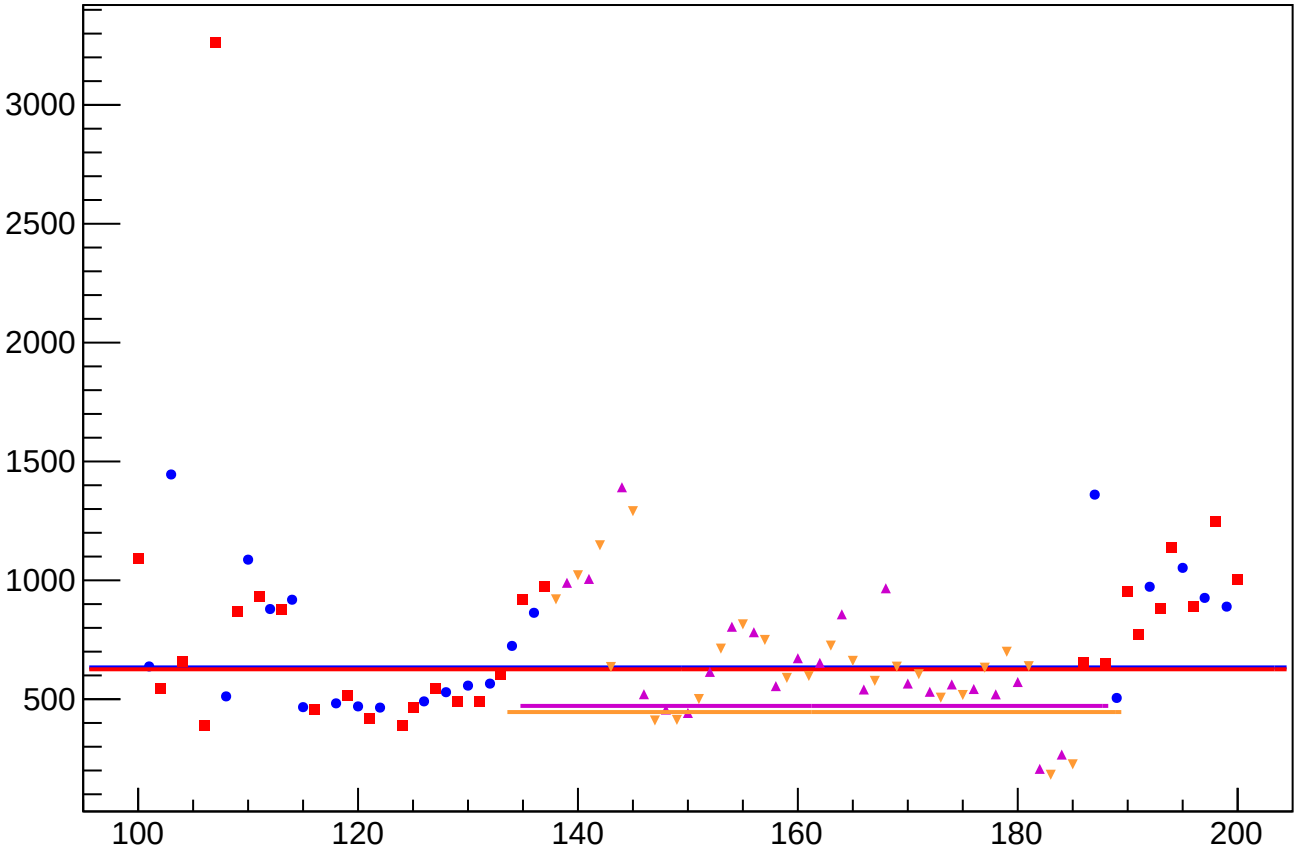
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -136.294+/-100.195 χ^2/NDF: 62.5/46

All: -18.339+/-71.867 χ^2/NDF: 113.0/97

- sign 106.649+/-103.139 χ^2/NDF: 47.6/50

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

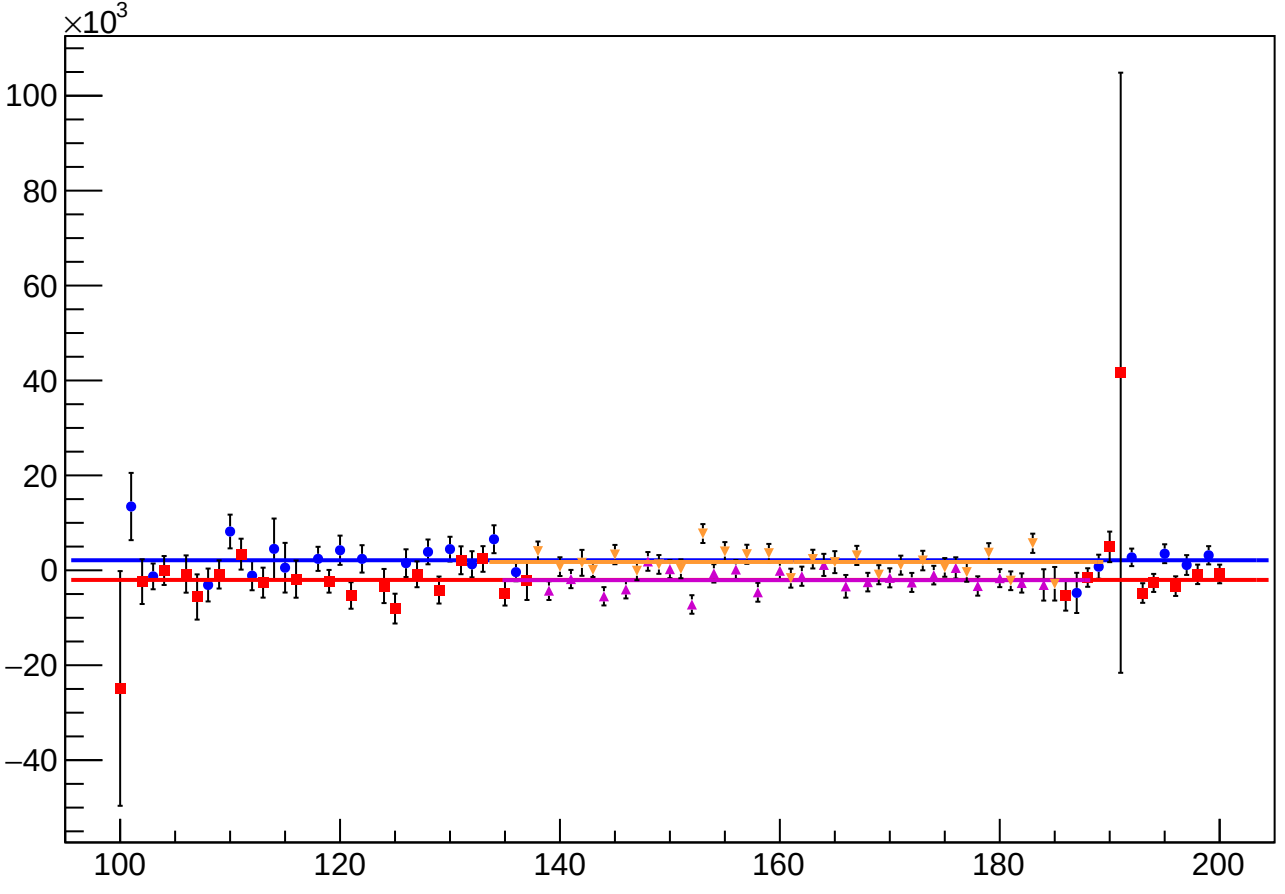
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 491.839+/-0.071 χ^2/NDF: 11321148.8/46

All: 504.021+/-0.051 χ^2/NDF: 21655925.1/97

- sign 516.929+/-0.073 χ^2/NDF: 10273881.2/50

dit_asym_at1_avg_mean vs Slug



Right In: 2119.295+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2026.118+/-531.248 χ^2/NDF: 26.1/27

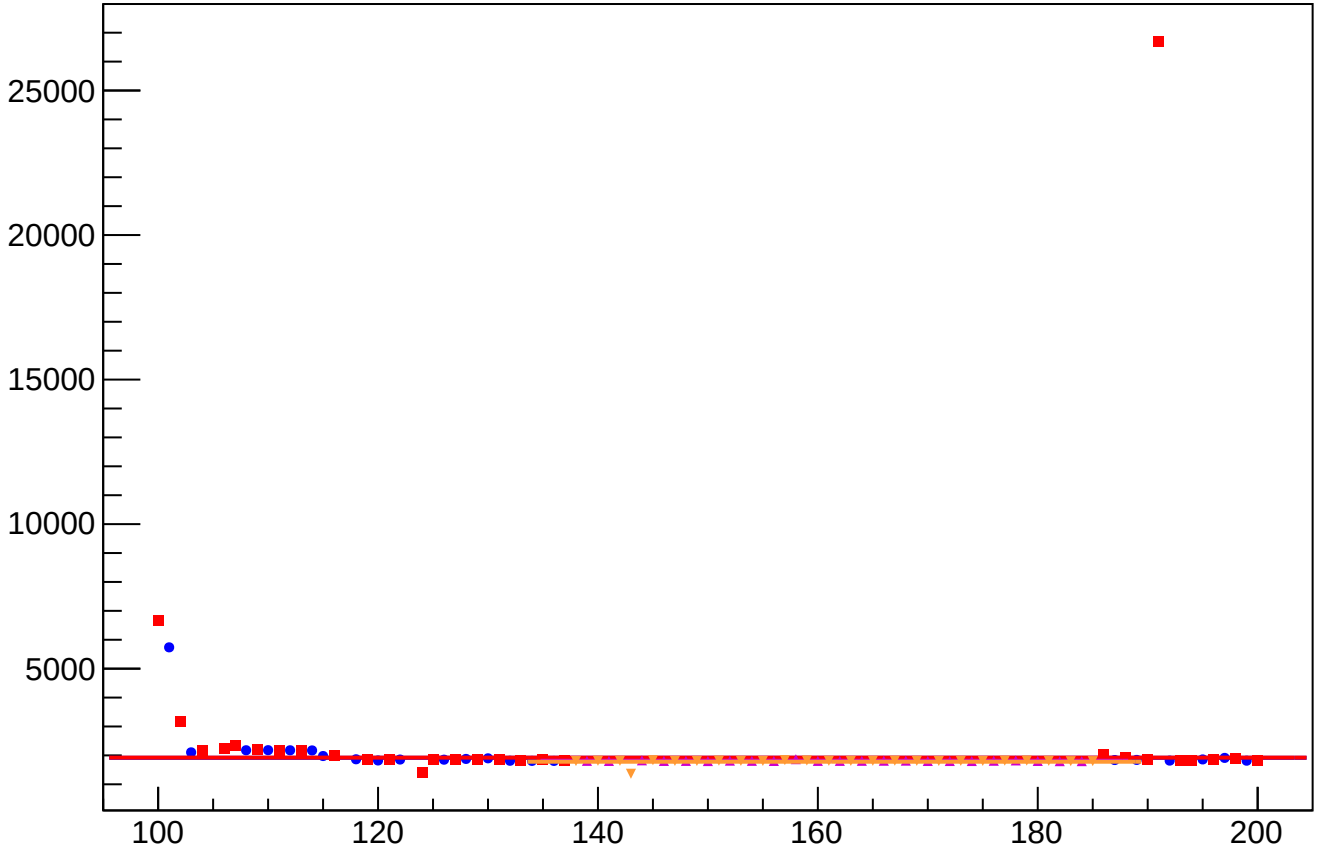
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1877.077+/-330.793 χ^2/NDF: 54.6/46

All: -86.425+/-234.058 χ^2/NDF: 178.3/97

- sign -2055.045+/-331.224 χ^2/NDF: 53.1/50

dit_asym_at1_avg_rms vs Slug



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.5/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1922.672+/-0.376 χ^2/NDF: 683054.1/27

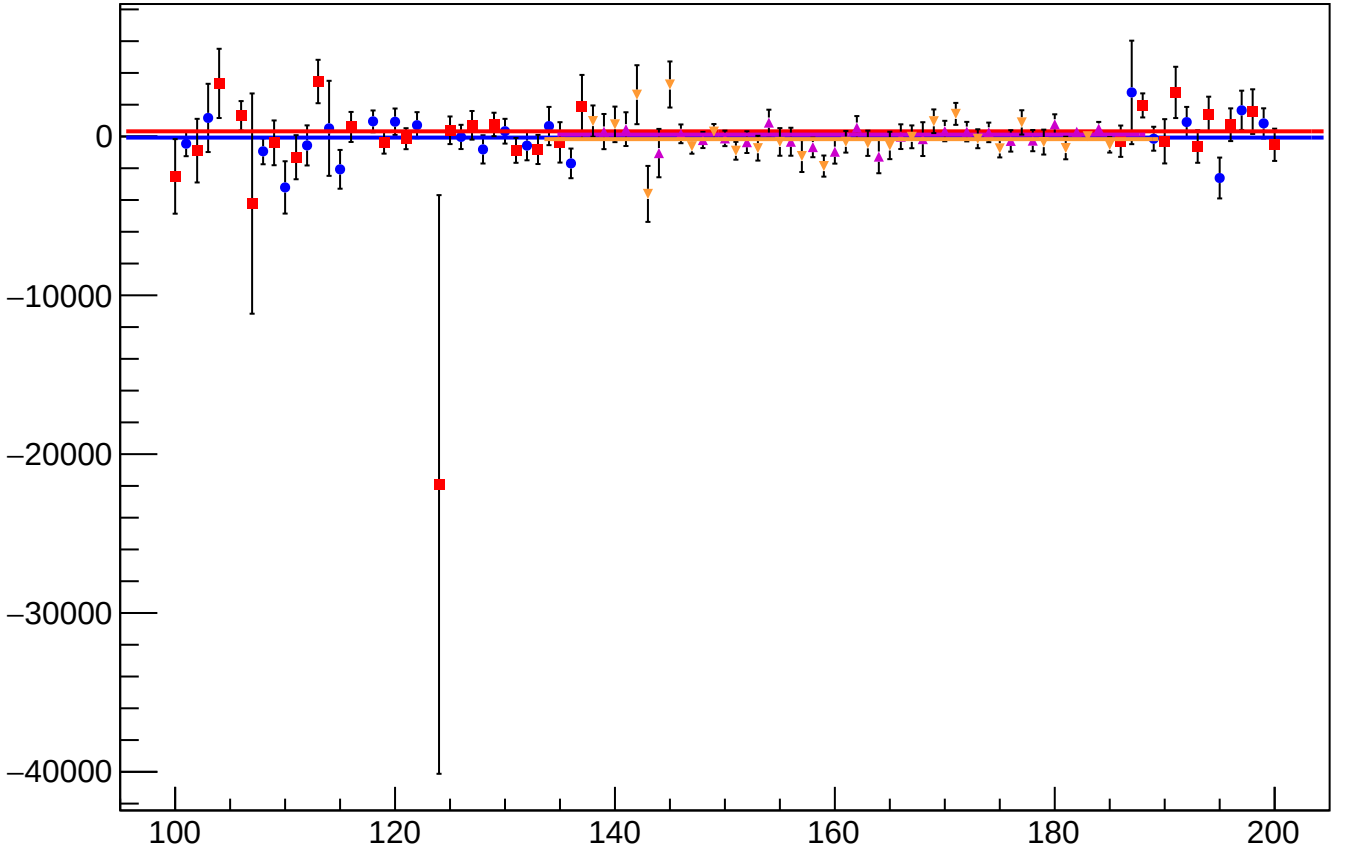
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.031+/-0.234 χ^2/NDF: 902032.0/46

All: 1841.250+/-0.166 χ^2/NDF: 1646408.2/97

- sign 1856.510+/-0.234 χ^2/NDF: 735897.6/50

asym_at1_avg_dit_correction_mean vs Slug



Right In: -70.292+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 323.957+/-200.712 χ^2/NDF: 31.6/27

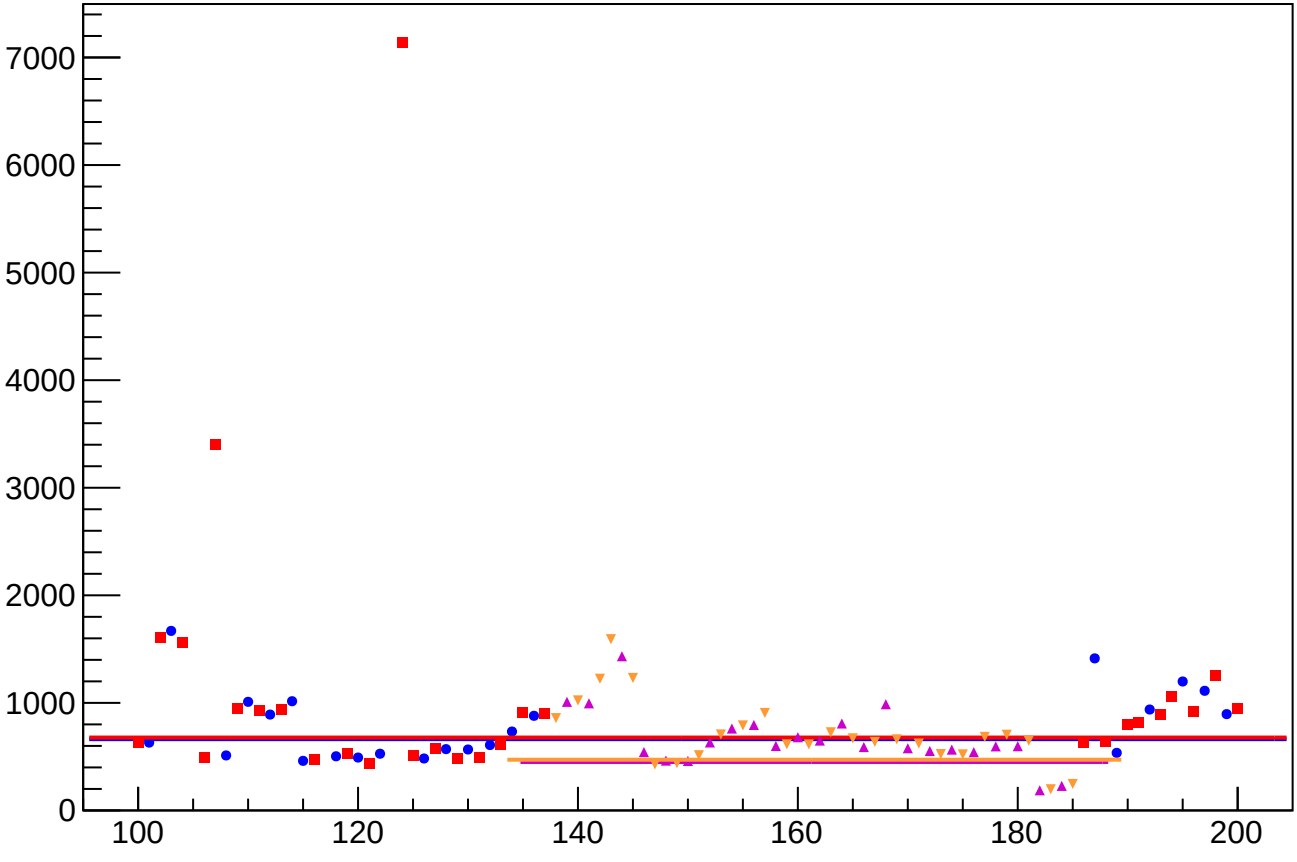
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -143.015+/-104.981 χ^2/NDF: 64.5/46

All: 17.464+/-73.468 χ^2/NDF: 113.8/97

- sign 171.499+/-102.851 χ^2/NDF: 44.7/50

asym_at1_avg_dit_correction_rms vs Slug



Right In: 662.936+/-0.147 χ^2/NDF: 2341872.5/21

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 677.709+/-0.142 χ^2/NDF: 3486762.0/27

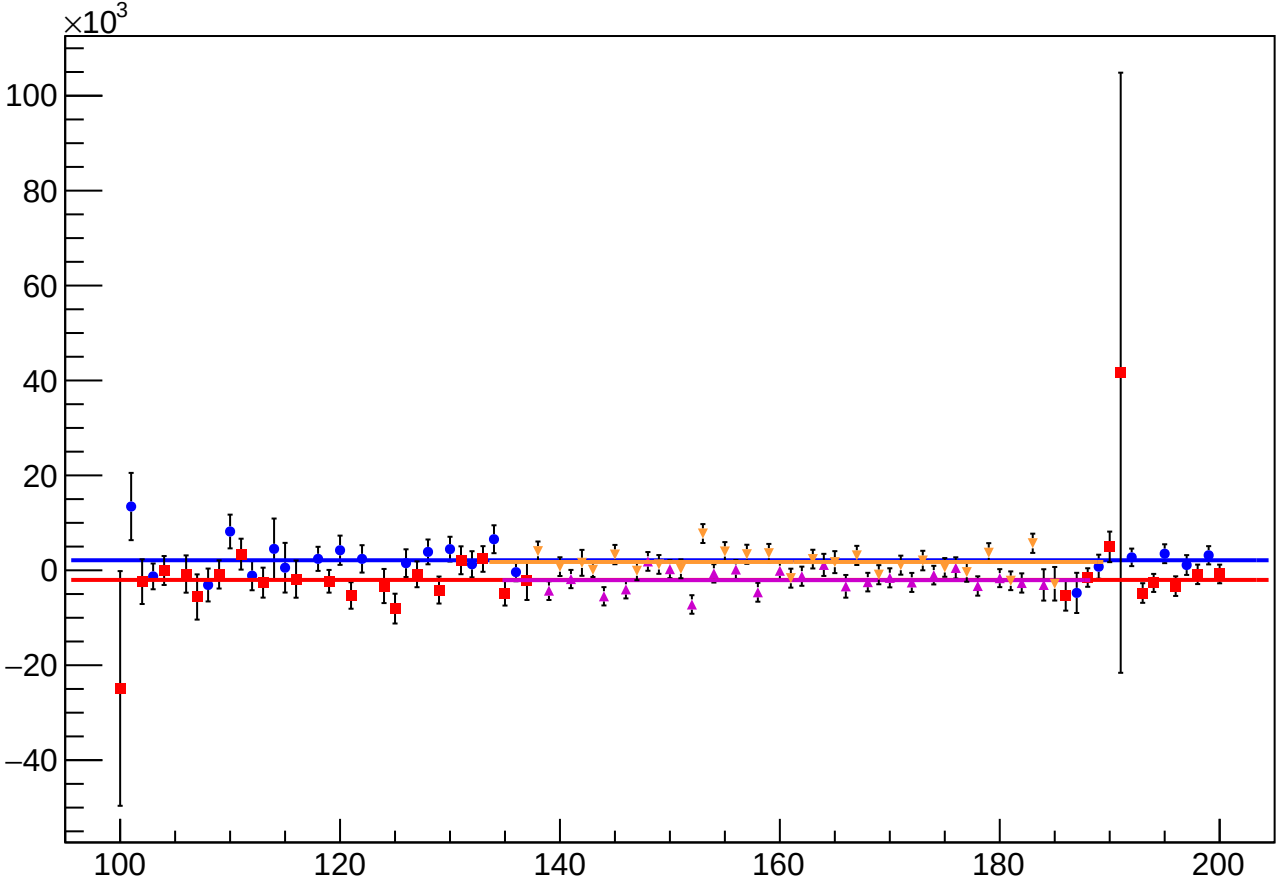
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 520.525+/-0.074 χ^2/NDF: 11714371.0/46

All: 515.294+/-0.052 χ^2/NDF: 25026594.5/97

- sign 510.274+/-0.073 χ^2/NDF: 13302493.4/50

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2119.294+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2026.115+/-531.248 χ^2/NDF: 26.1/27

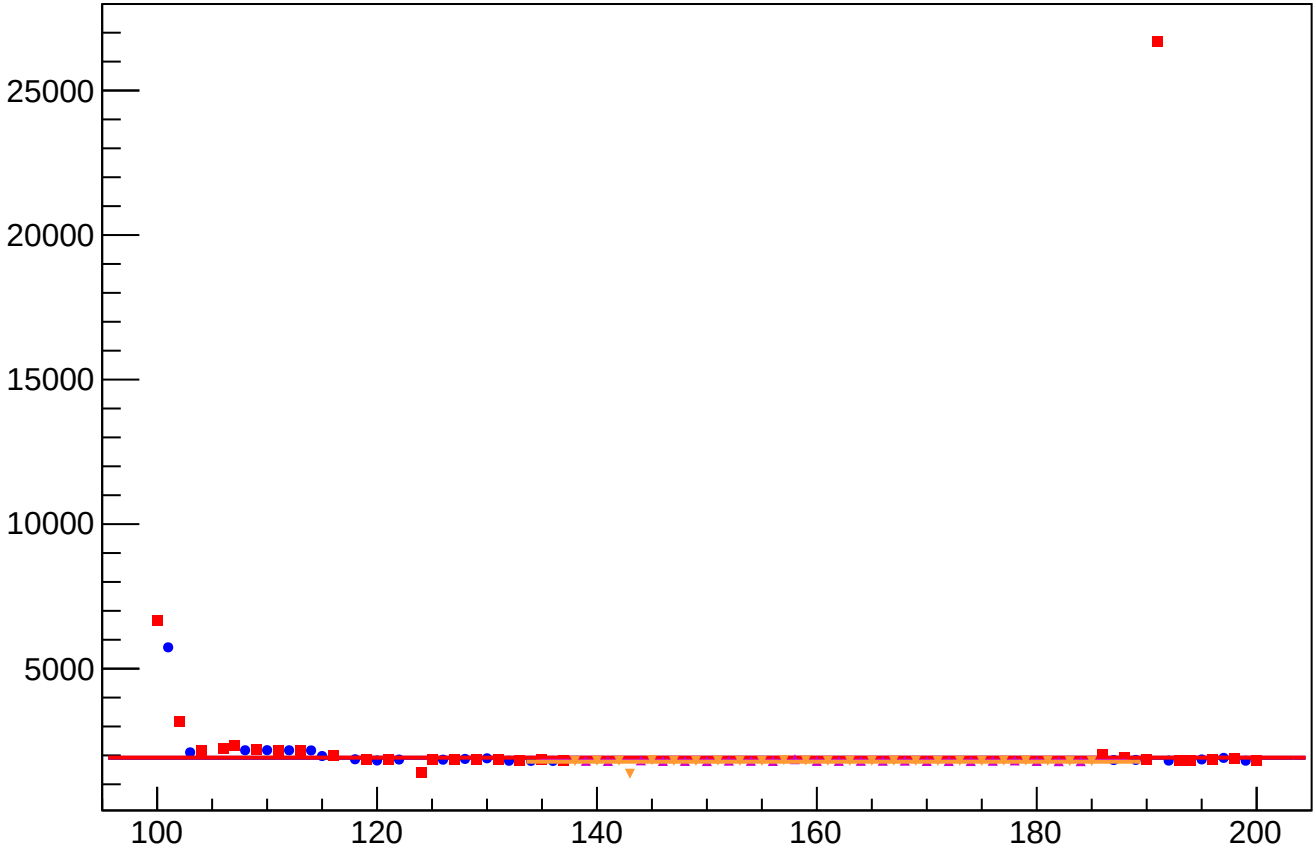
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1877.077+/-330.793 χ^2/NDF: 54.6/46

All: -86.424+/-234.058 χ^2/NDF: 178.3/97

- sign -2055.044+/-331.224 χ^2/NDF: 53.1/50

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.1/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1922.672+/-0.376 χ^2/NDF: 683052.7/27

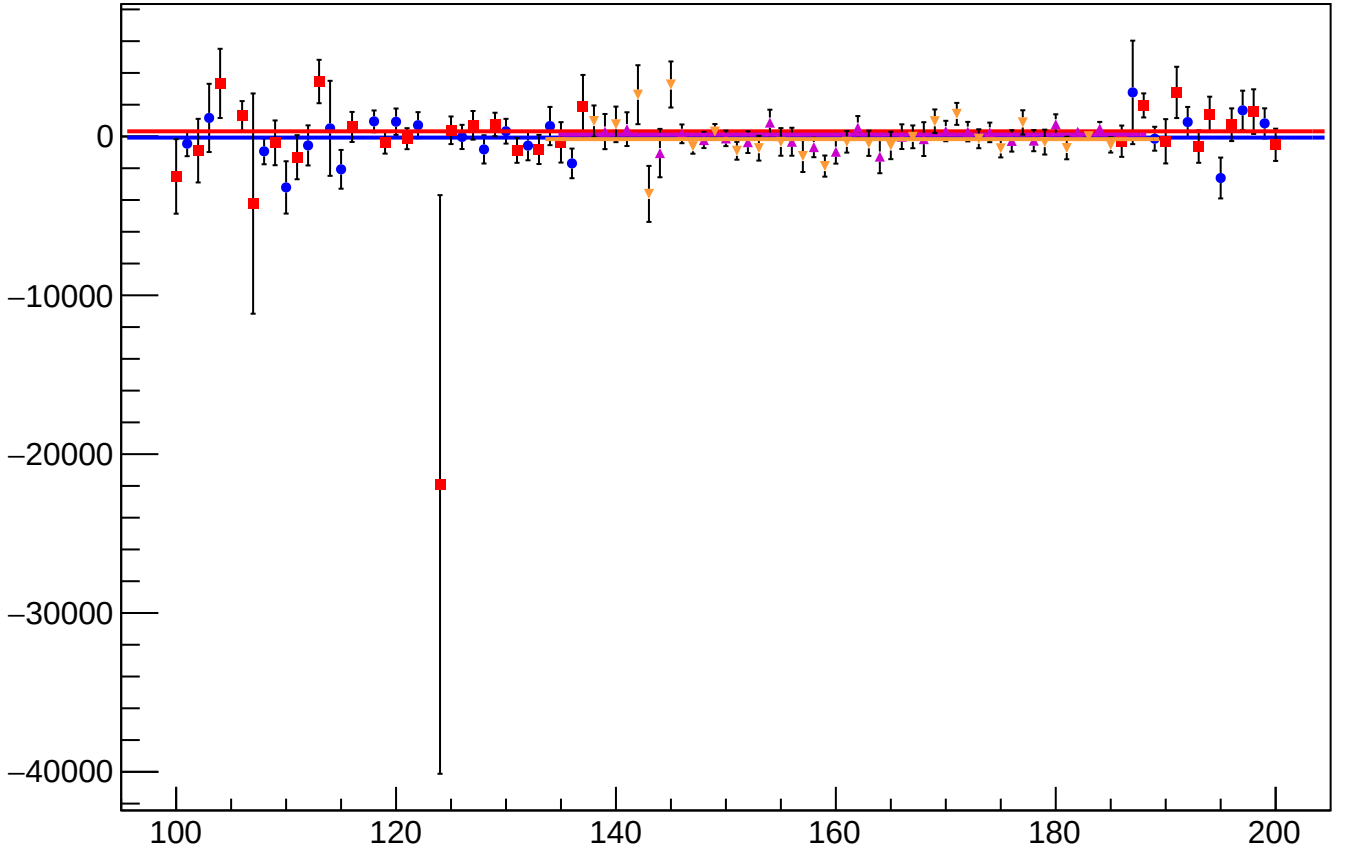
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.031+/-0.234 χ^2/NDF: 902031.5/46

All: 1841.250+/-0.166 χ^2/NDF: 1646406.2/97

- sign 1856.510+/-0.234 χ^2/NDF: 735896.1/50

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -70.293+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

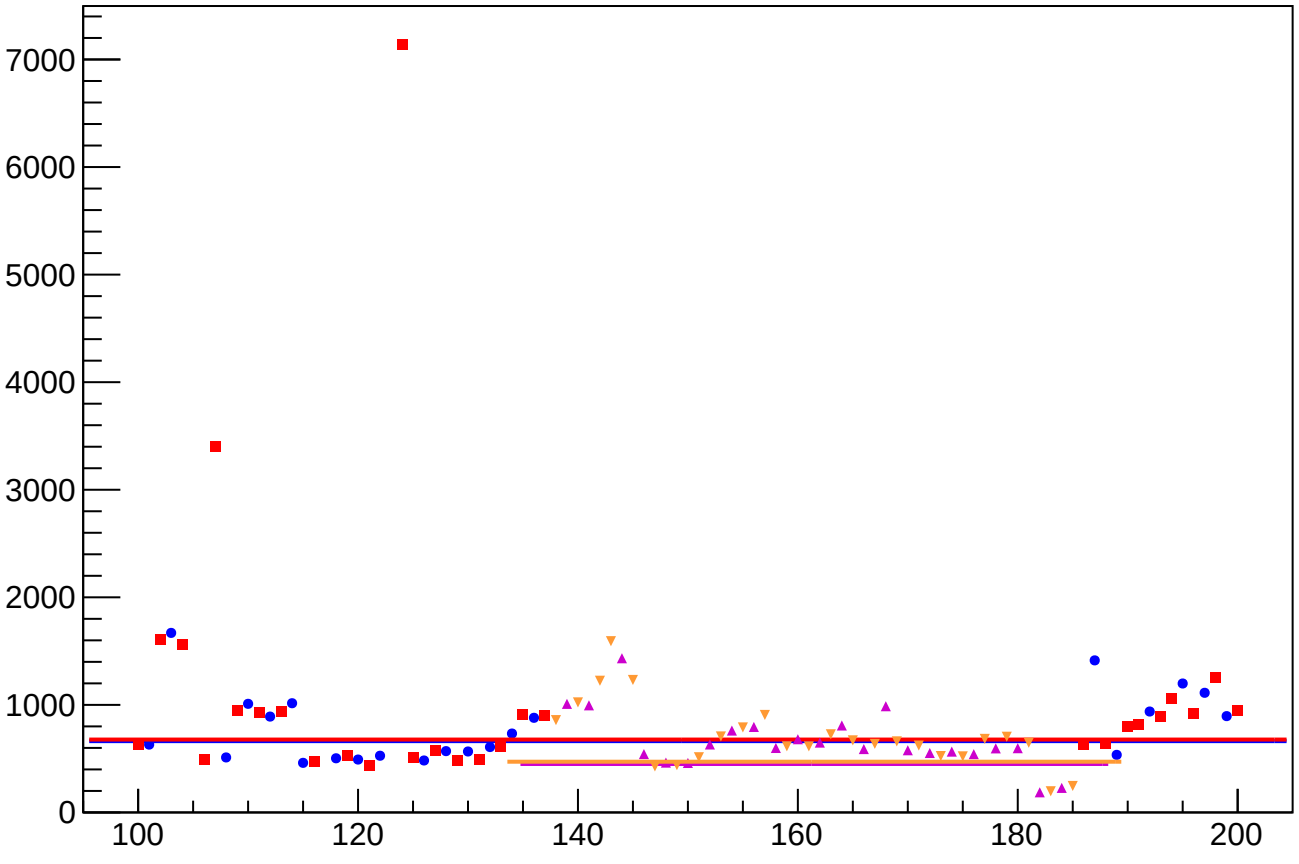
Right Out: 323.957+/-200.712 χ^2/NDF: 31.6/27

Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -143.016+/-104.981 χ^2/NDF: 64.5/46

All: 17.464+/-73.468 χ^2/NDF: 113.8/97

- sign 171.500+/-102.851 χ^2/NDF: 44.7/50



Right In: 662.936+/-0.147 χ^2/NDF: 2341887.9/21

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 677.709+/-0.142 χ^2/NDF: 3486780.3/27

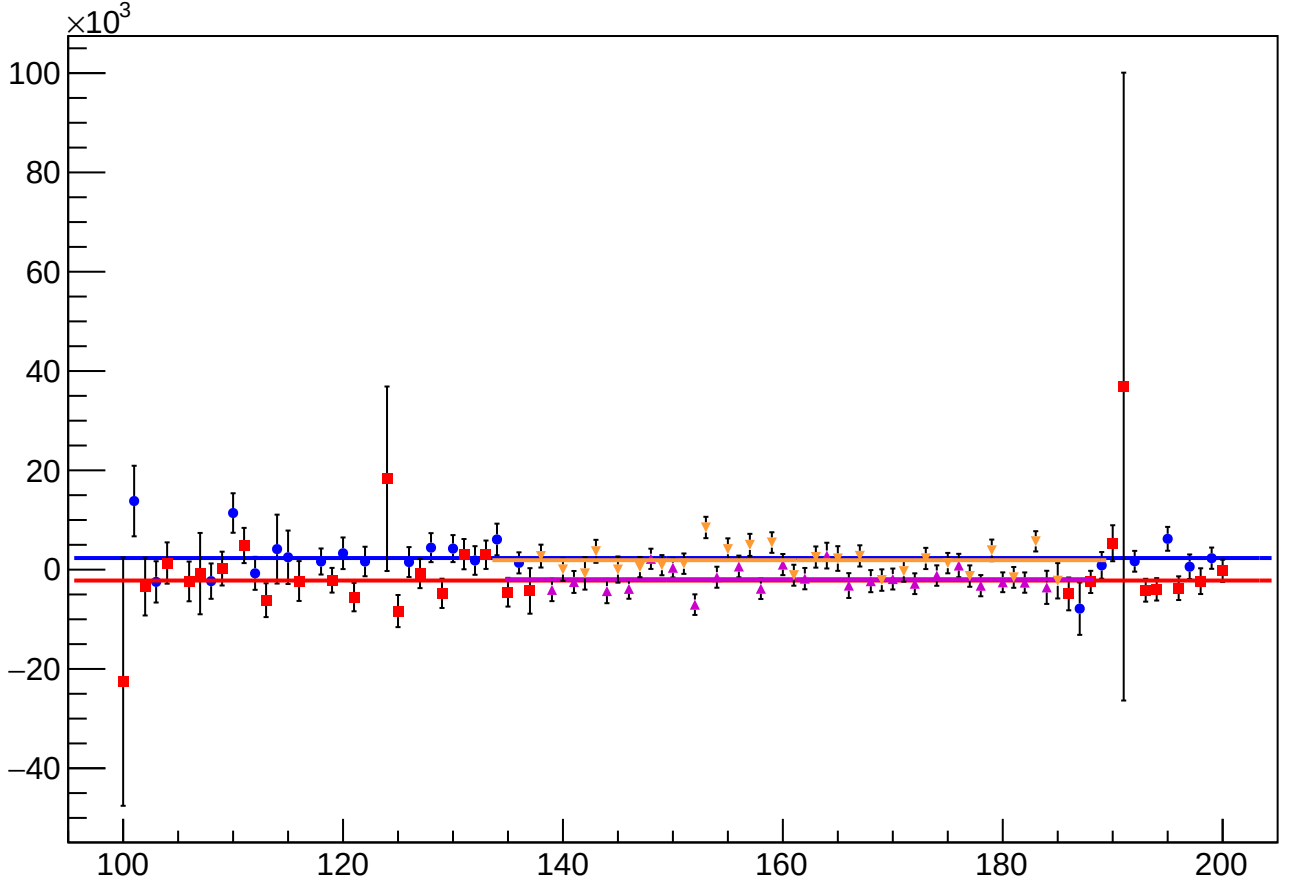
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 520.525+/-0.074 χ^2/NDF: 11714367.1/46

All: 515.295+/-0.052 χ^2/NDF: 25026568.0/97

- sign 510.275+/-0.073 χ^2/NDF: 13302471.3/50

asym_at1_avg_mean vs Slug



Right In: 2336.631+/-634.603 χ^2/NDF: 21.9/21

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2192.011+/-600.792 χ^2/NDF: 29.5/27

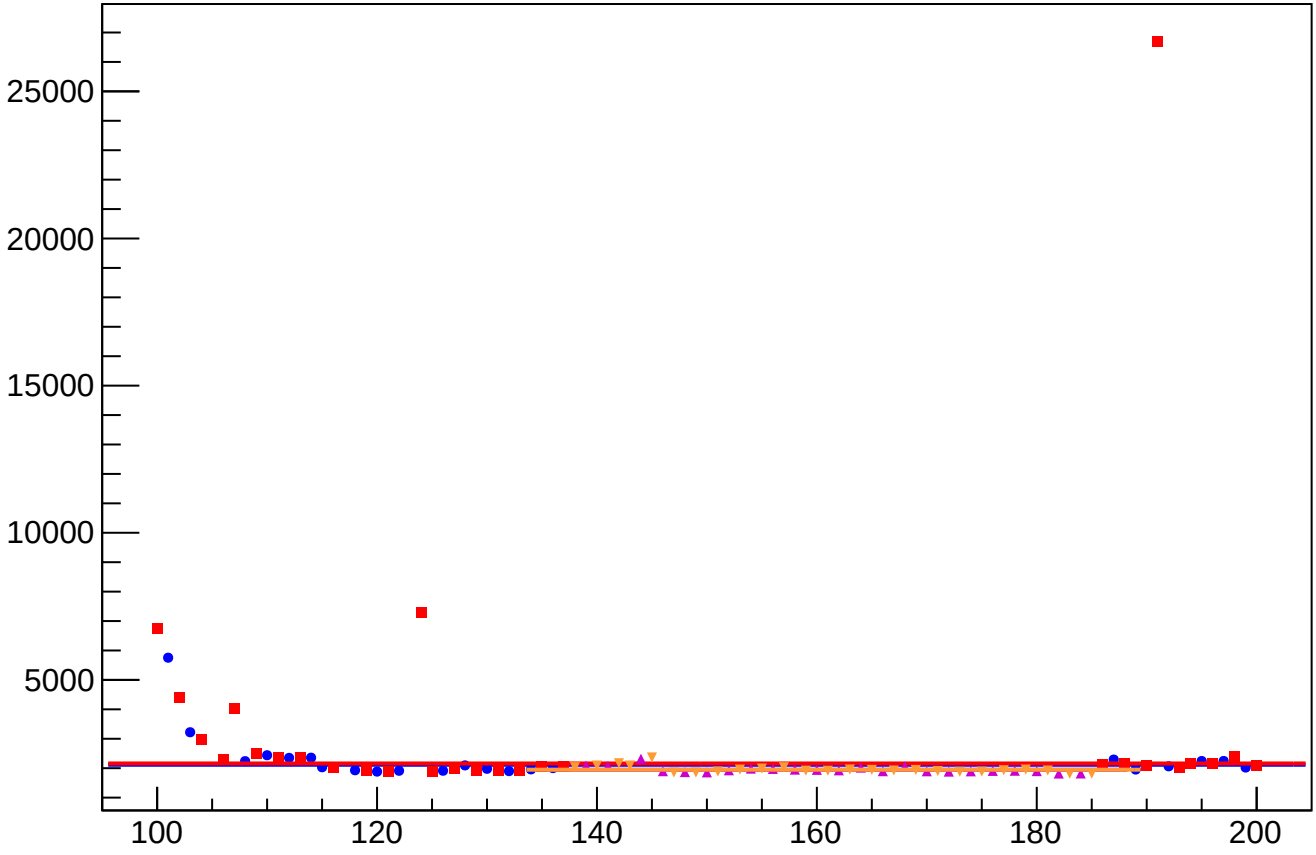
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2048.237+/-363.536 χ^2/NDF: 58.5/46

All: 7.550+/-256.748 χ^2/NDF: 175.8/97

- sign -2023.290+/-362.658 χ^2/NDF: 54.4/50

asym_at1_avg_rms vs Slug



Right In: 2116.769+/-0.449 χ^2/NDF: 785734.5/21

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

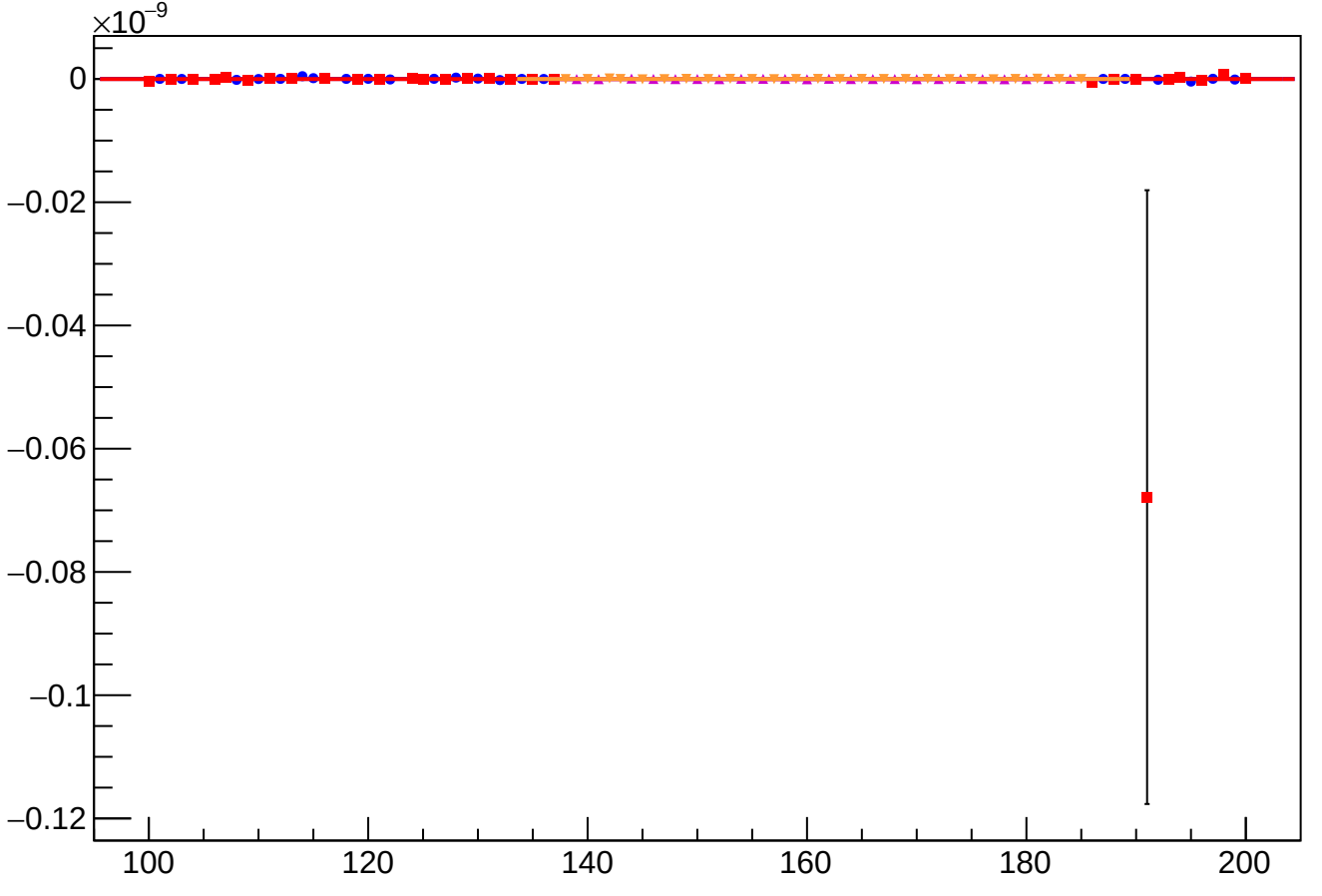
Right Out: 2160.374+/-0.425 χ^2/NDF: 1154154.4/27

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2004.057+/-0.257 χ^2/NDF: 988166.8/46

All: 2013.832+/-0.182 χ^2/NDF: 2404331.0/97

- sign 2023.561+/-0.256 χ^2/NDF: 1413278.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/27

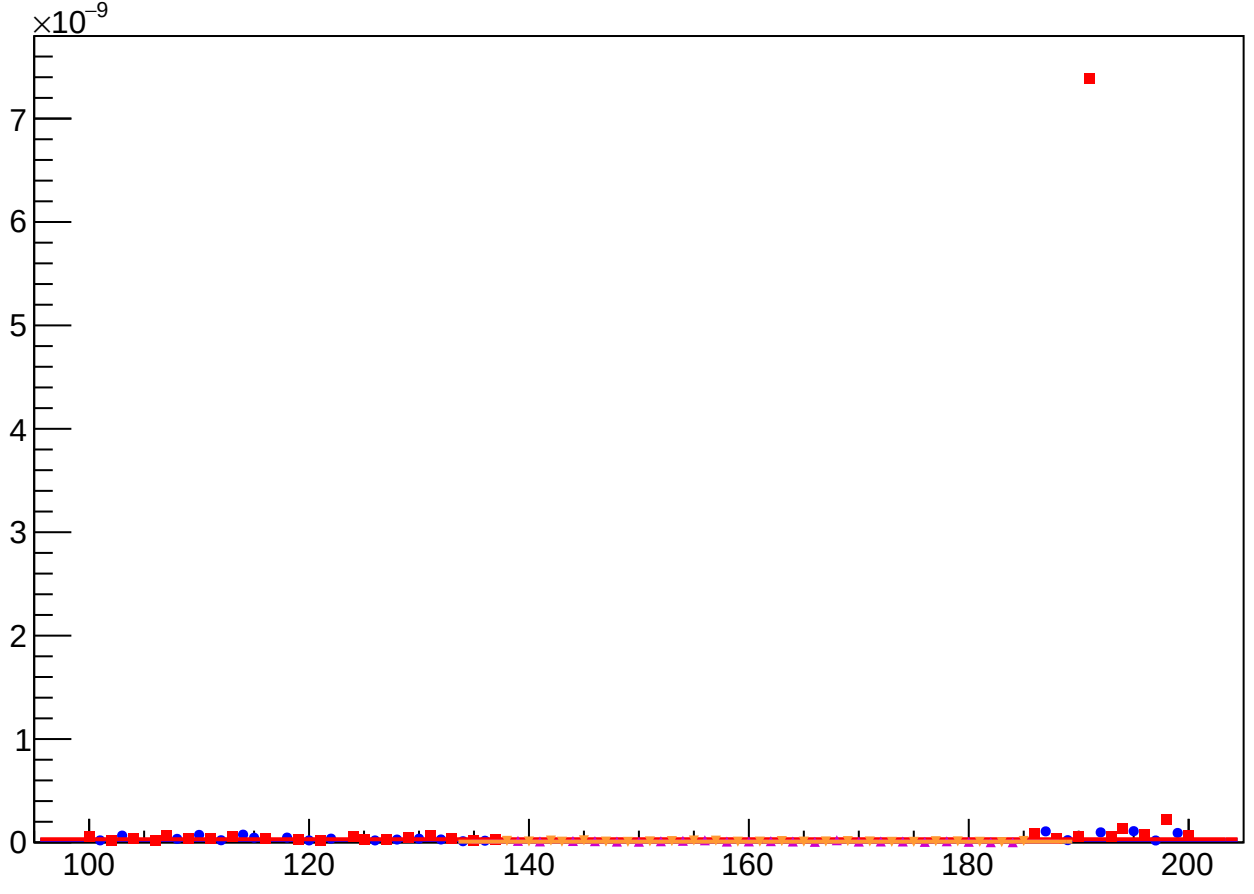
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/46

All: 0.000+/-0.000 χ^2/NDF: 113.7/97

- sign 0.000+/-0.000 χ^2/NDF: 61.2/50

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2482791.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2593848.2/27

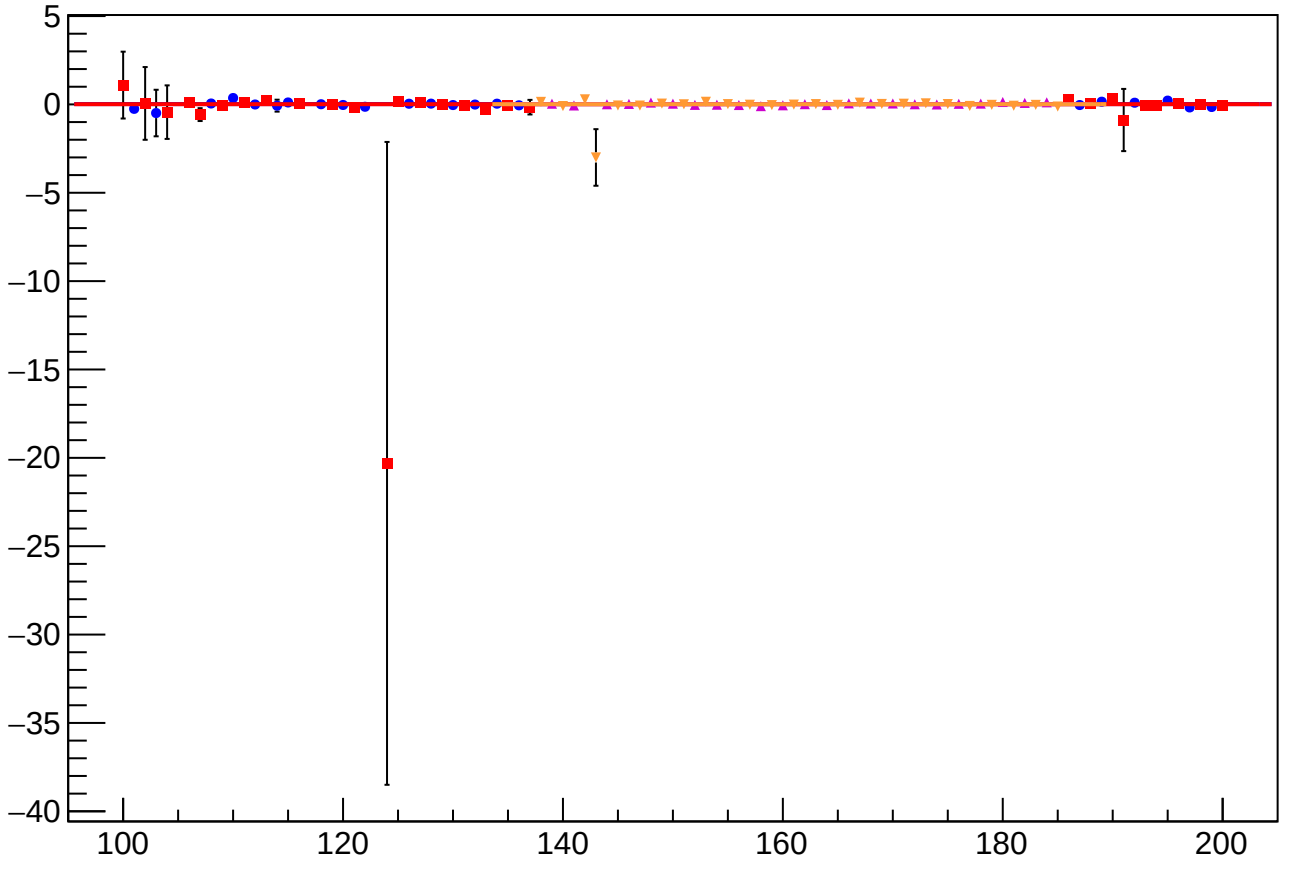
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7208369.4/46

All: 0.000+/-0.000 χ^2/NDF: 16142940.5/97

- sign 0.000+/-0.000 χ^2/NDF: 8932573.3/50

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.022 χ^2/NDF: 24.0/27

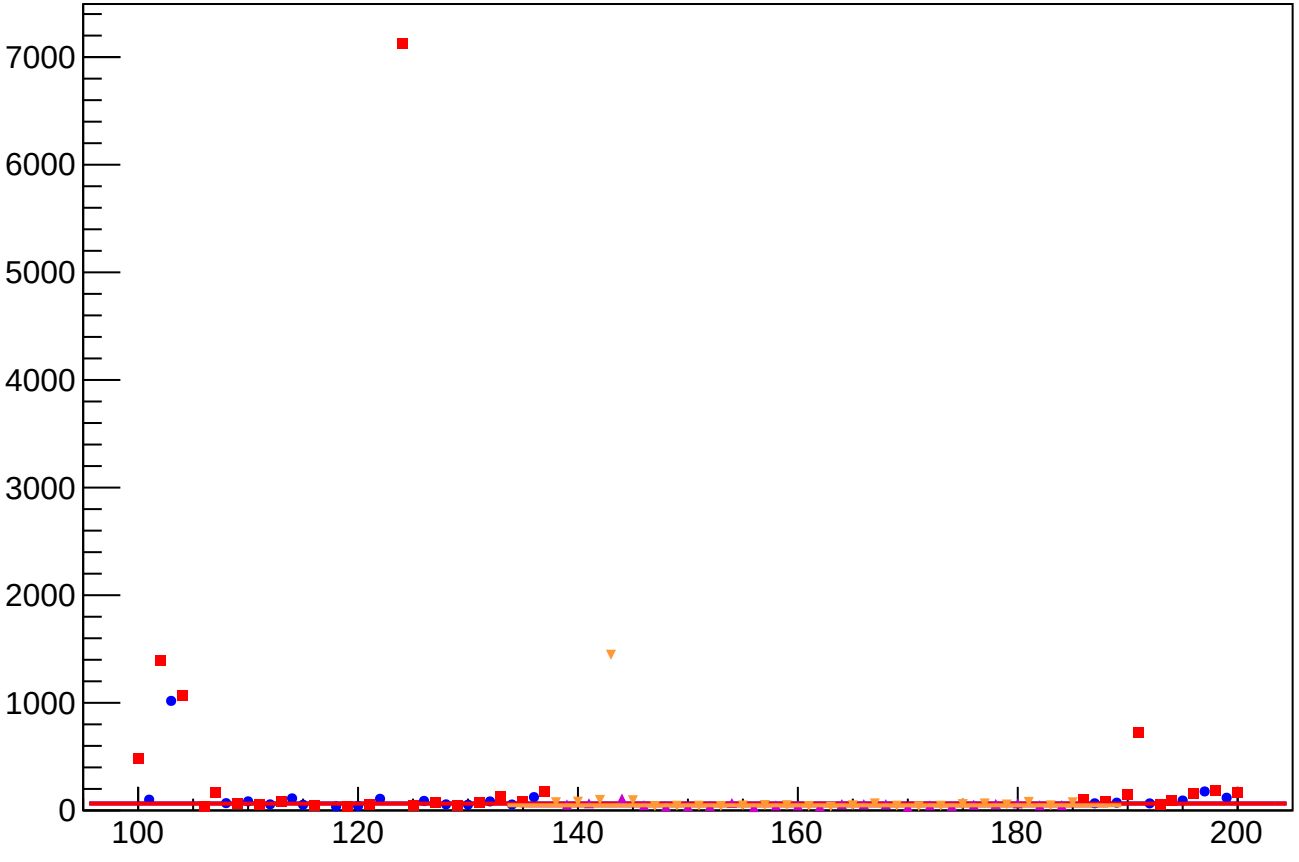
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 93.0/97

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

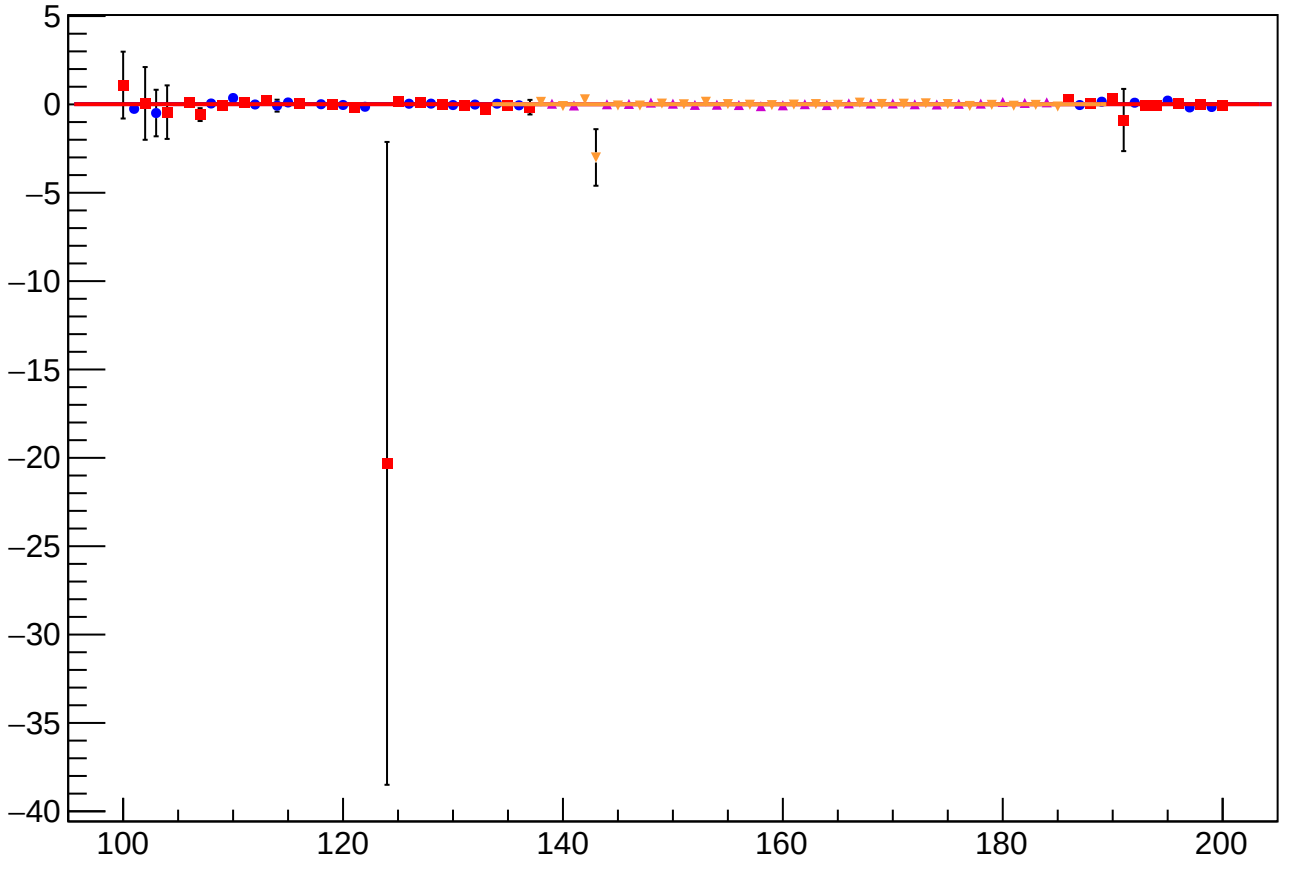
Right Out: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890381.6/46

All: 51.203+/-0.005 χ^2/NDF: 16832894.5/97

- sign 50.683+/-0.008 χ^2/NDF: 8932879.0/50



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.022 χ^2/NDF: 24.0/27

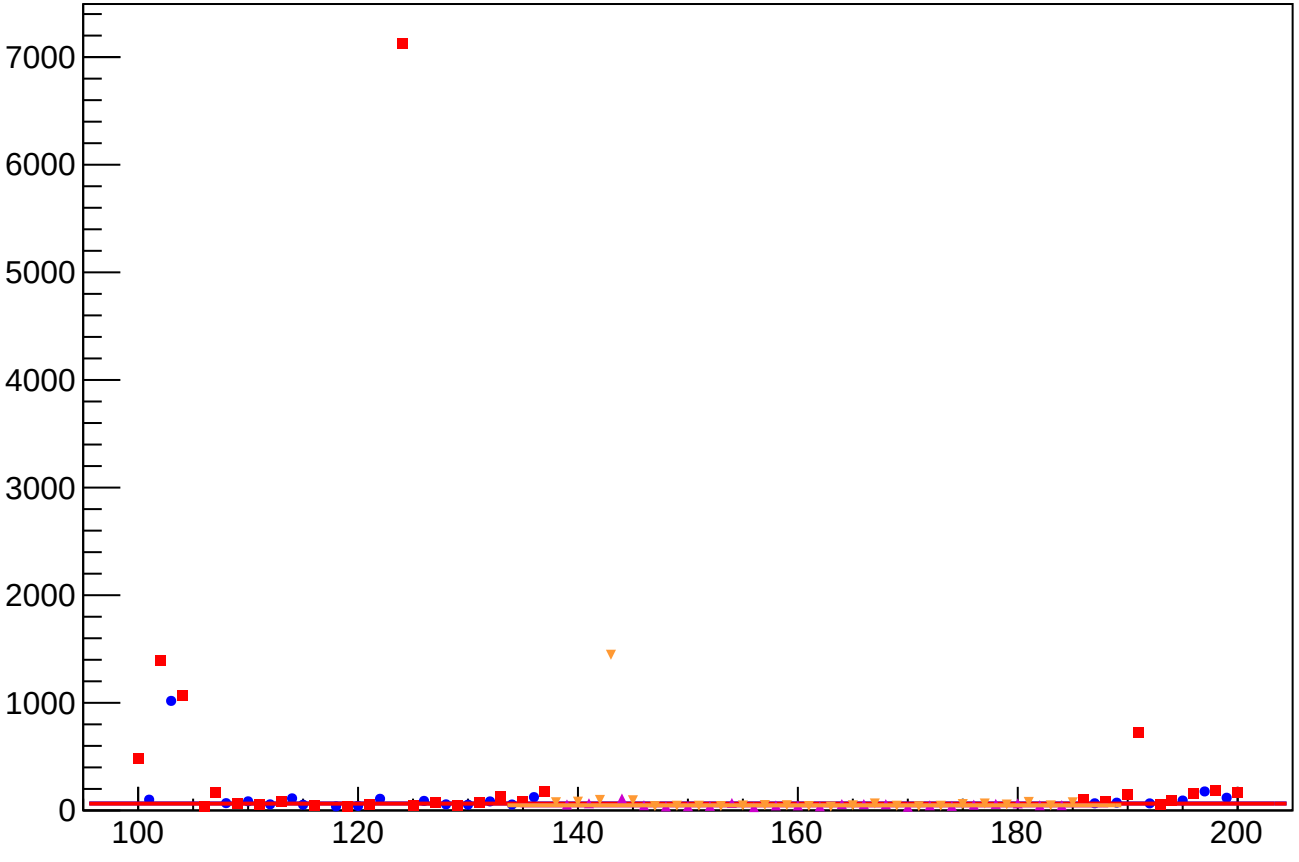
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 93.0/97

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

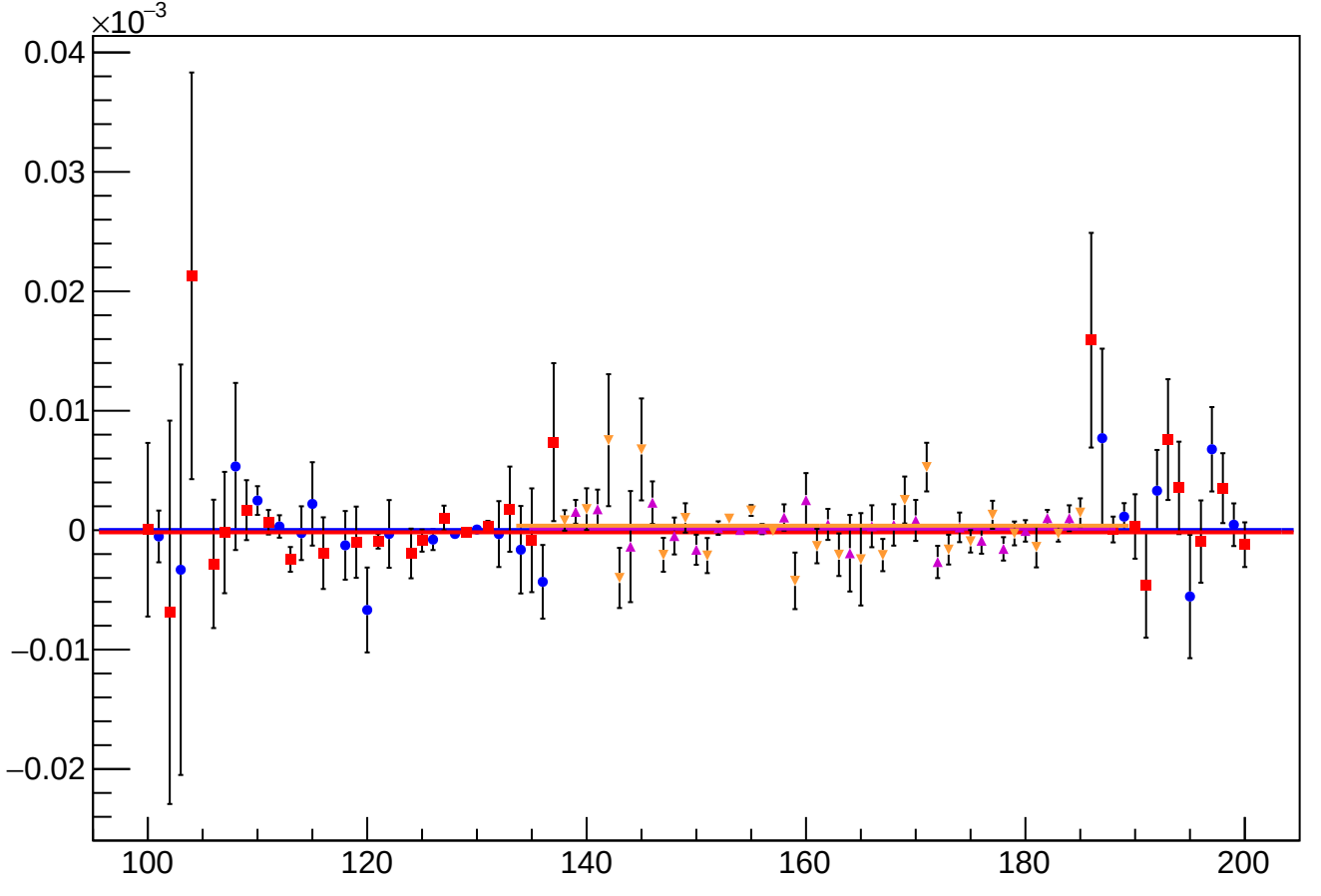
Right Out: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890381.6/46

All: 51.203+/-0.005 χ^2/NDF: 16832894.5/97

- sign 50.683+/-0.008 χ^2/NDF: 8932879.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/27

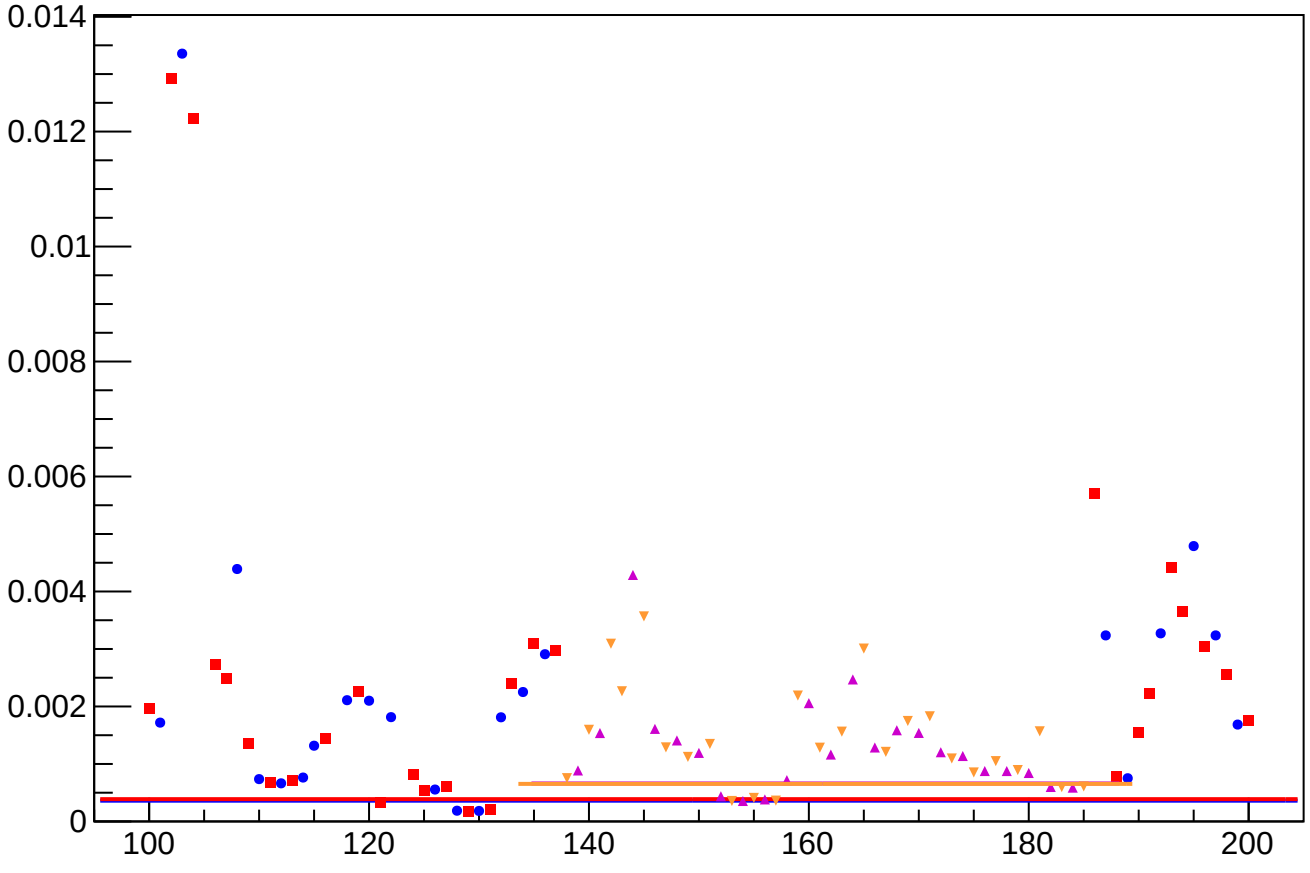
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/46

All: 0.000+/-0.000 χ^2/NDF: 122.3/97

- sign -0.000+/-0.000 χ^2/NDF: 46.5/50

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14784995.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

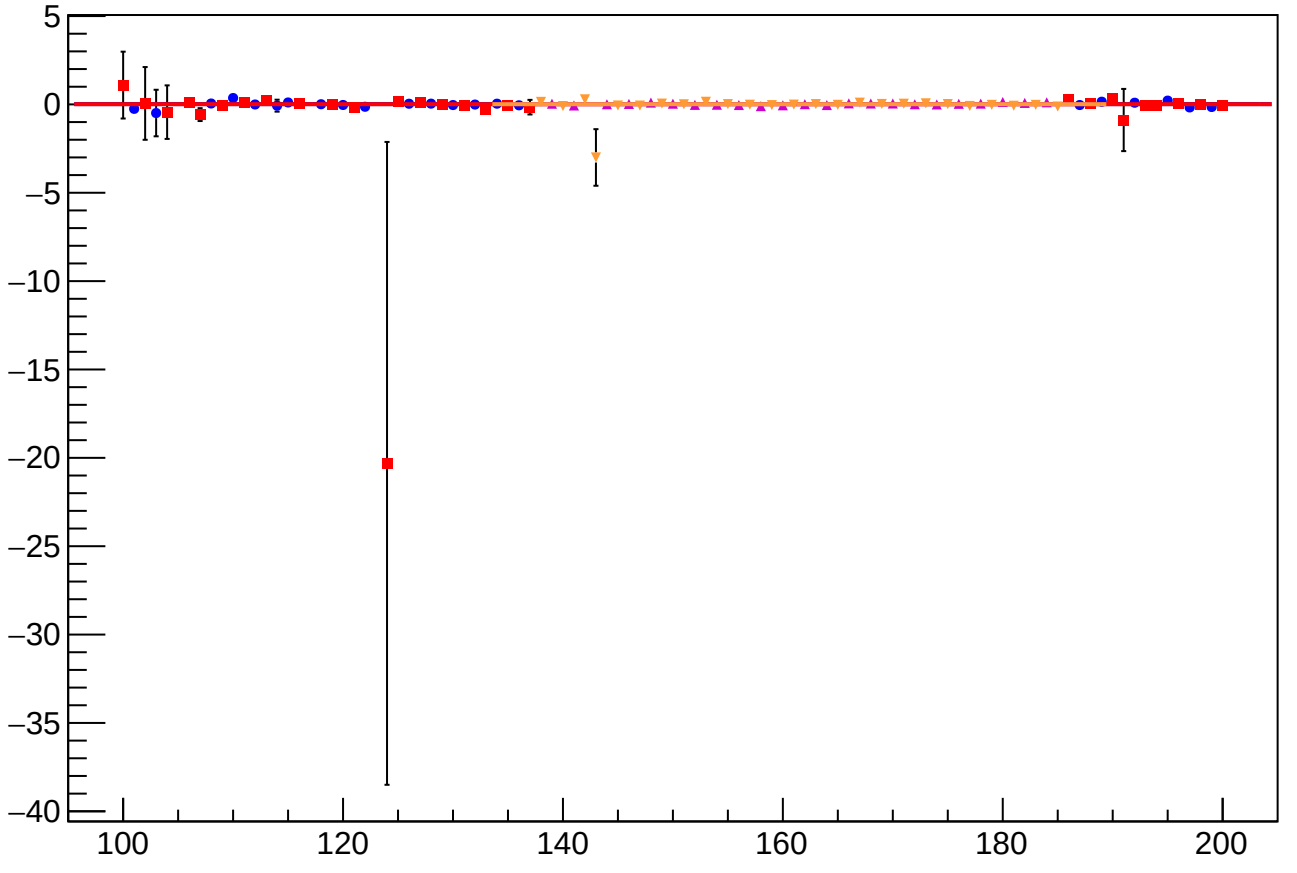
Right Out: 0.000+/-0.000 χ^2/NDF: 15995753.2/27

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 29345914.4/46

All: 0.001+/-0.000 χ^2/NDF: 57163342.7/97

- sign 0.001+/-0.000 χ^2/NDF: 27810415.2/50



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.022 χ^2/NDF: 24.0/27

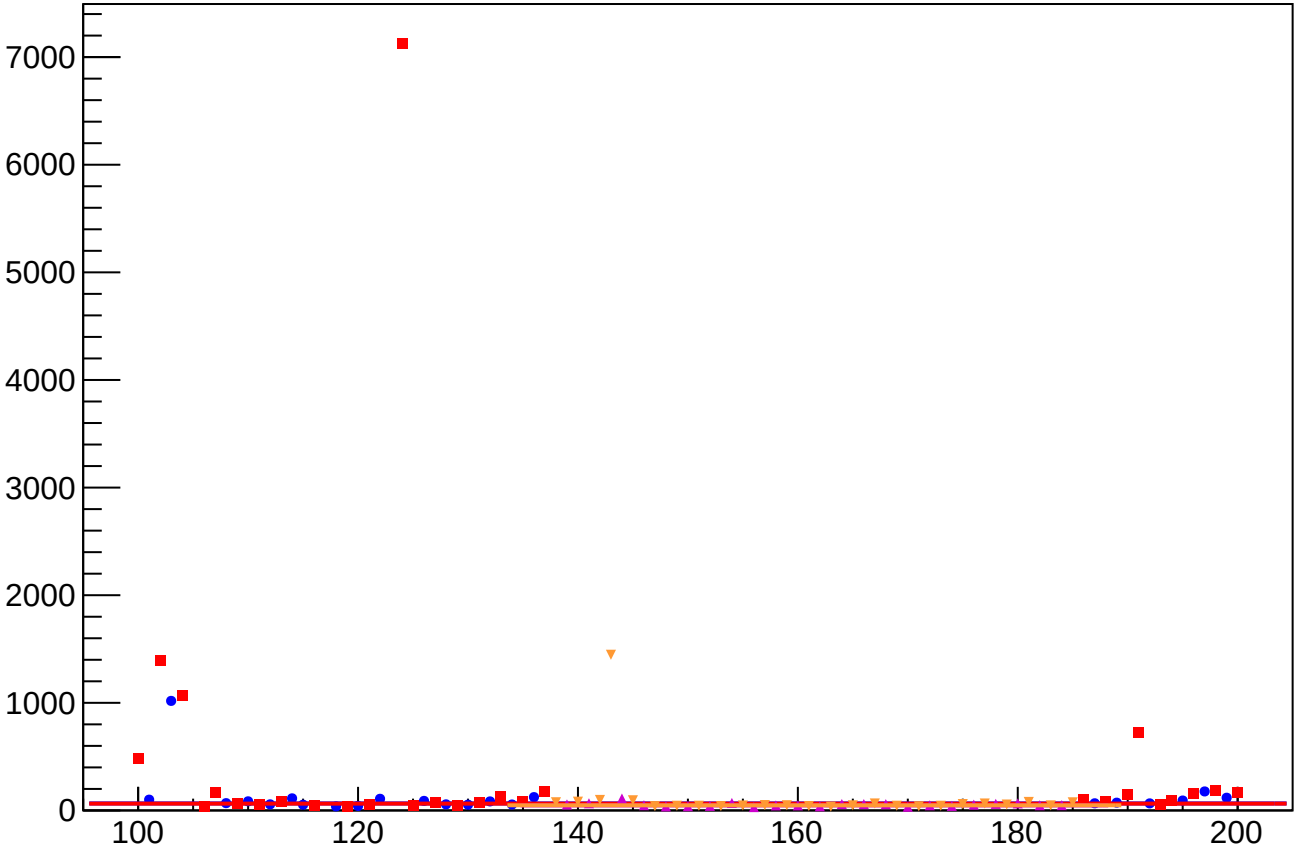
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 93.0/97

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

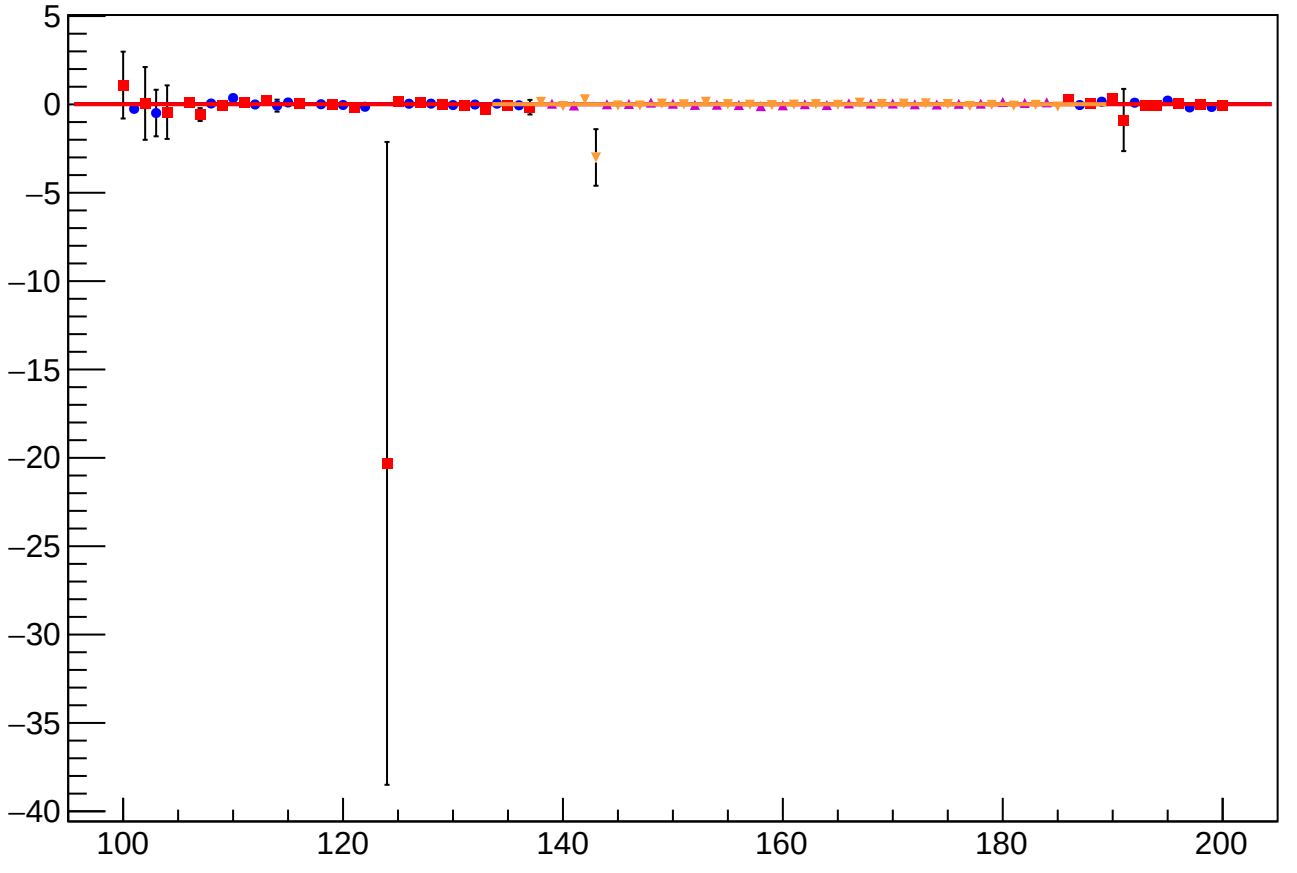
Right Out: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 51.748+/-0.008 χ^2/NDF: 7890372.2/46

All: 51.203+/-0.005 χ^2/NDF: 16832942.6/97

\- sign 50.683+/-0.008 χ^2/NDF: 8932929.6/50



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.022 χ^2/NDF: 24.0/27

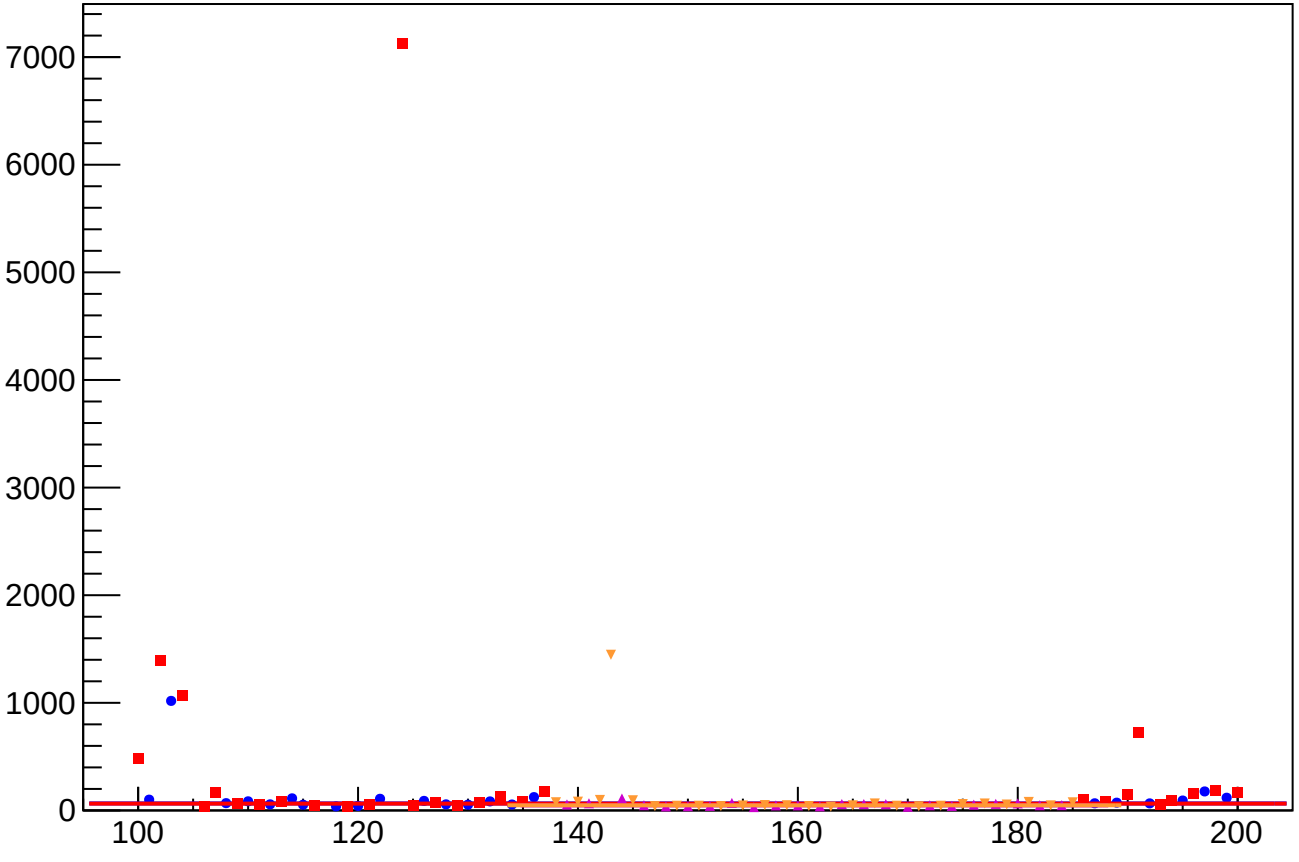
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 93.0/97

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

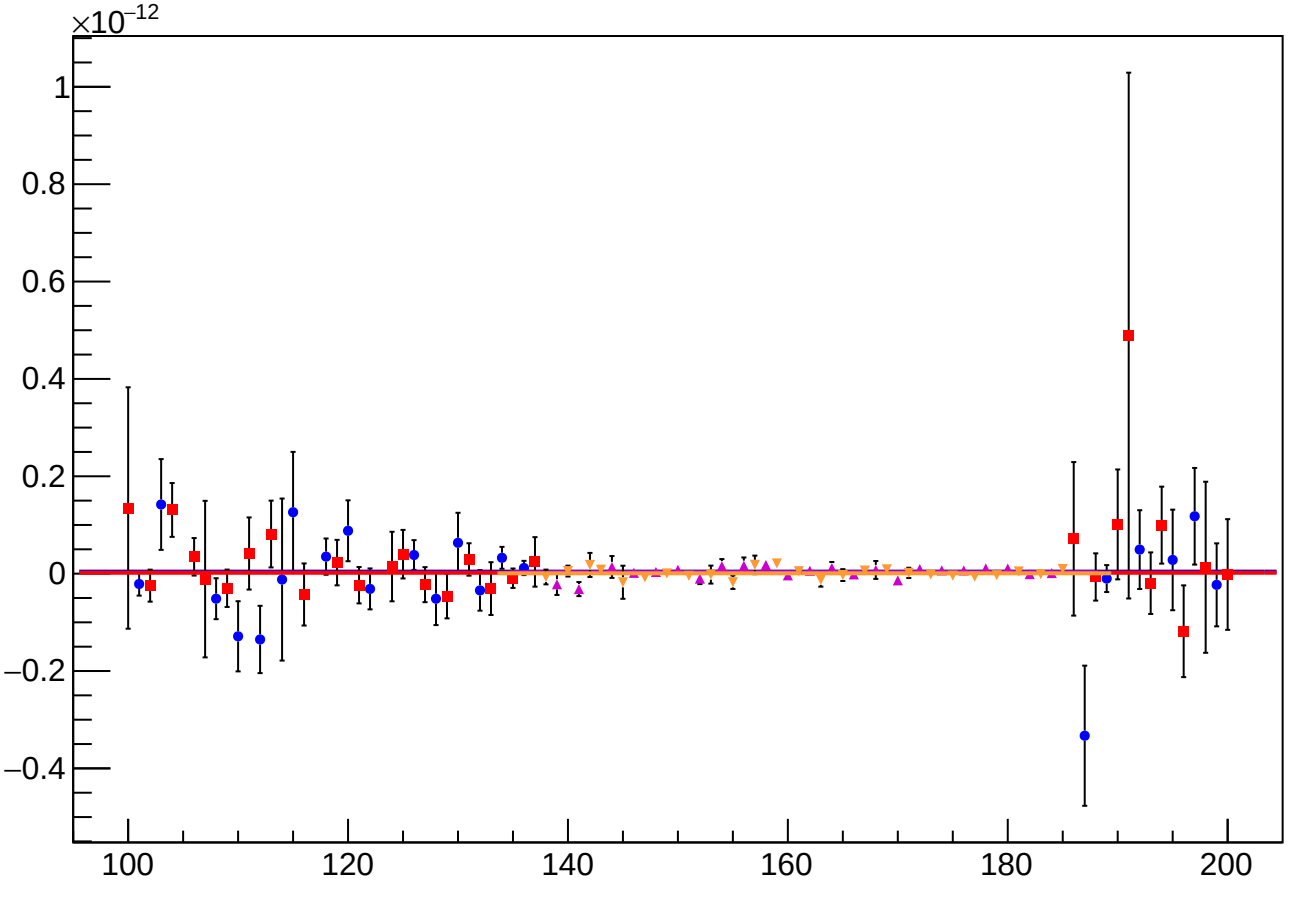
Right Out: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 51.748+/-0.008 χ^2/NDF: 7890372.2/46

All: 51.203+/-0.005 χ^2/NDF: 16832942.6/97

\- sign 50.683+/-0.008 χ^2/NDF: 8932929.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

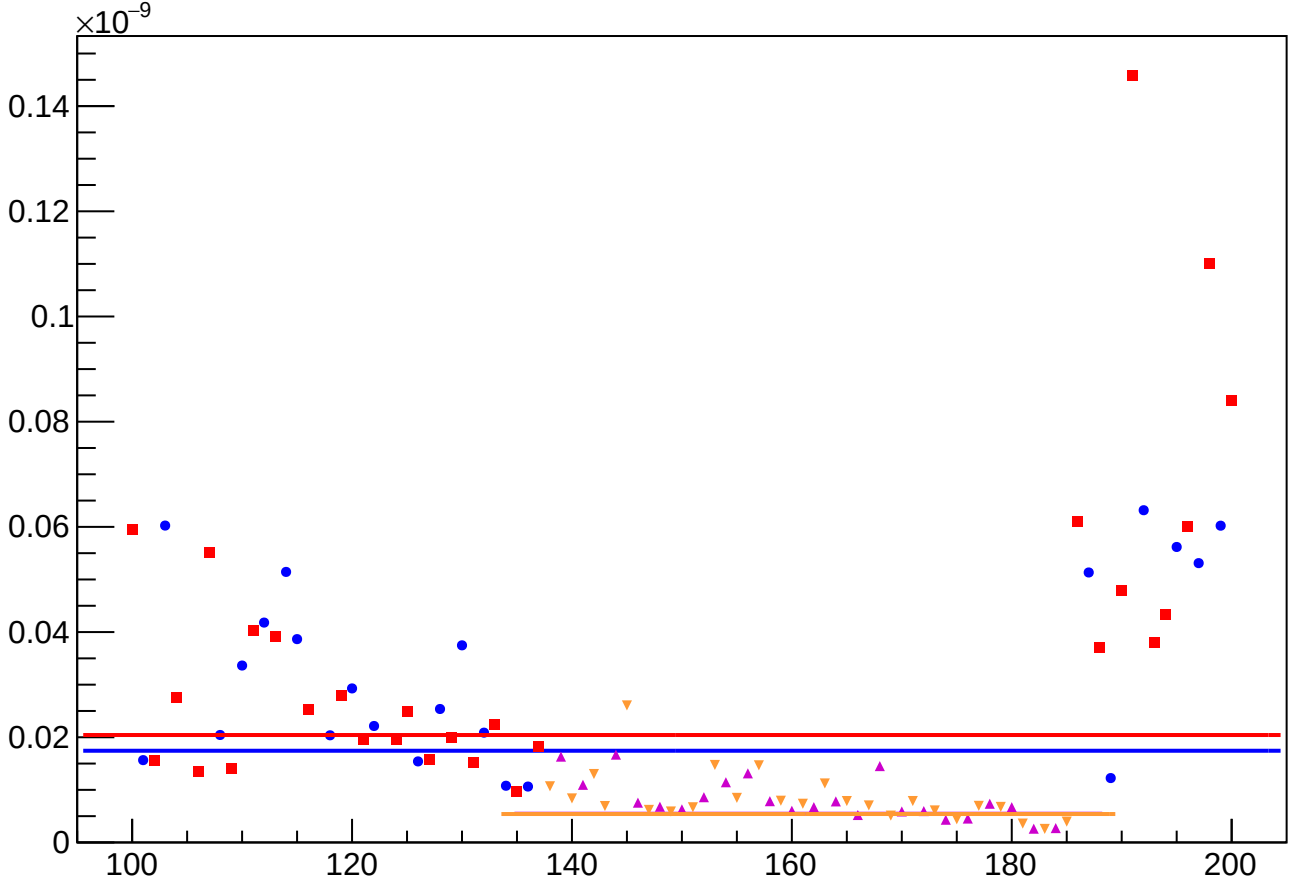
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/27

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/46

All: 0.000+/-0.000 χ^2/NDF: 87.1/97

- sign 0.000+/-0.000 χ^2/NDF: 41.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3792934.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3802148.4/27

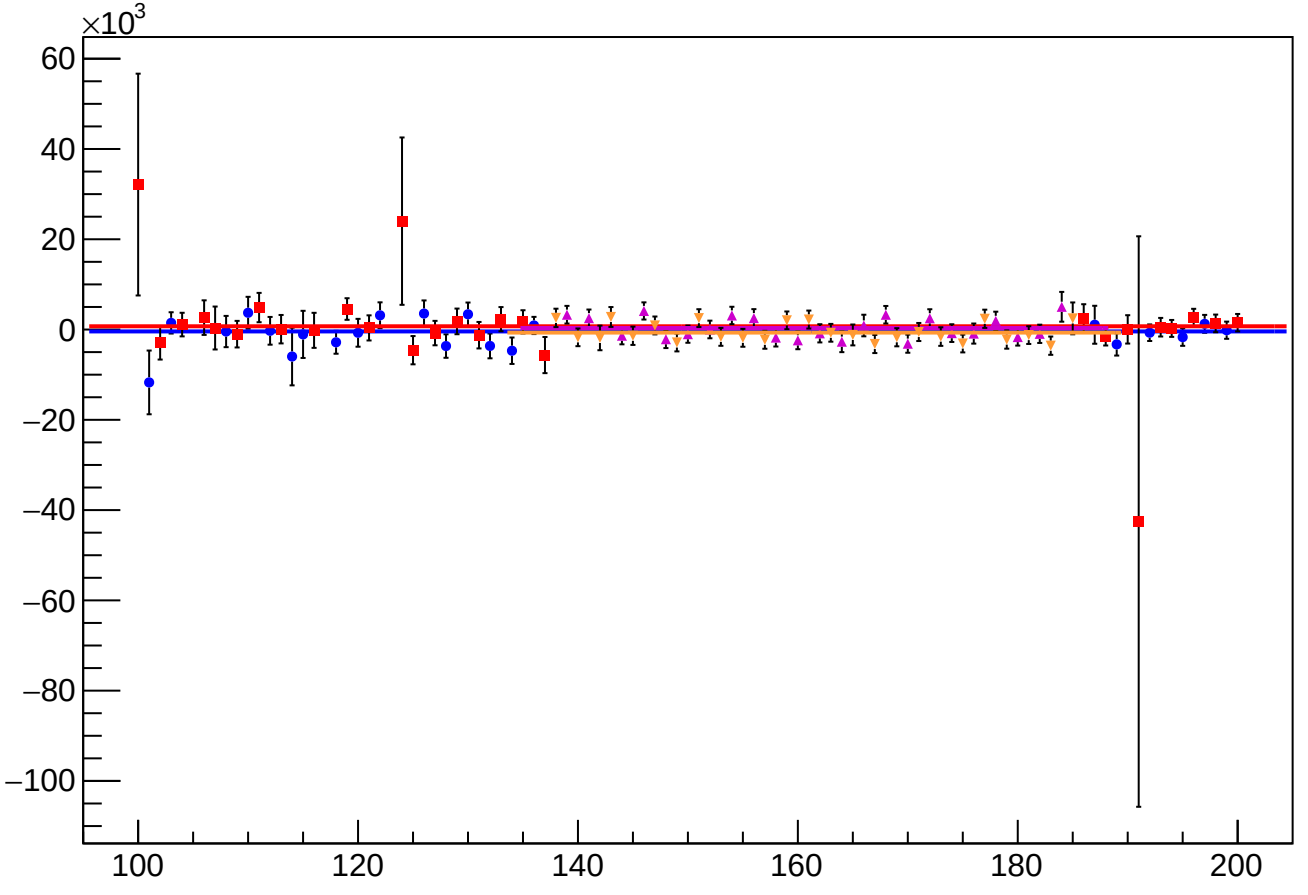
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13145093.1/46

All: 0.000+/-0.000 χ^2/NDF: 26885775.4/97

- sign 0.000+/-0.000 χ^2/NDF: 13738844.6/50

reg_asym_at1_dd_mean vs Slug



Right In: -417.432+/-562.047 χ^2/NDF: 20.0/21

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 722.125+/-525.671 χ^2/NDF: 19.4/27

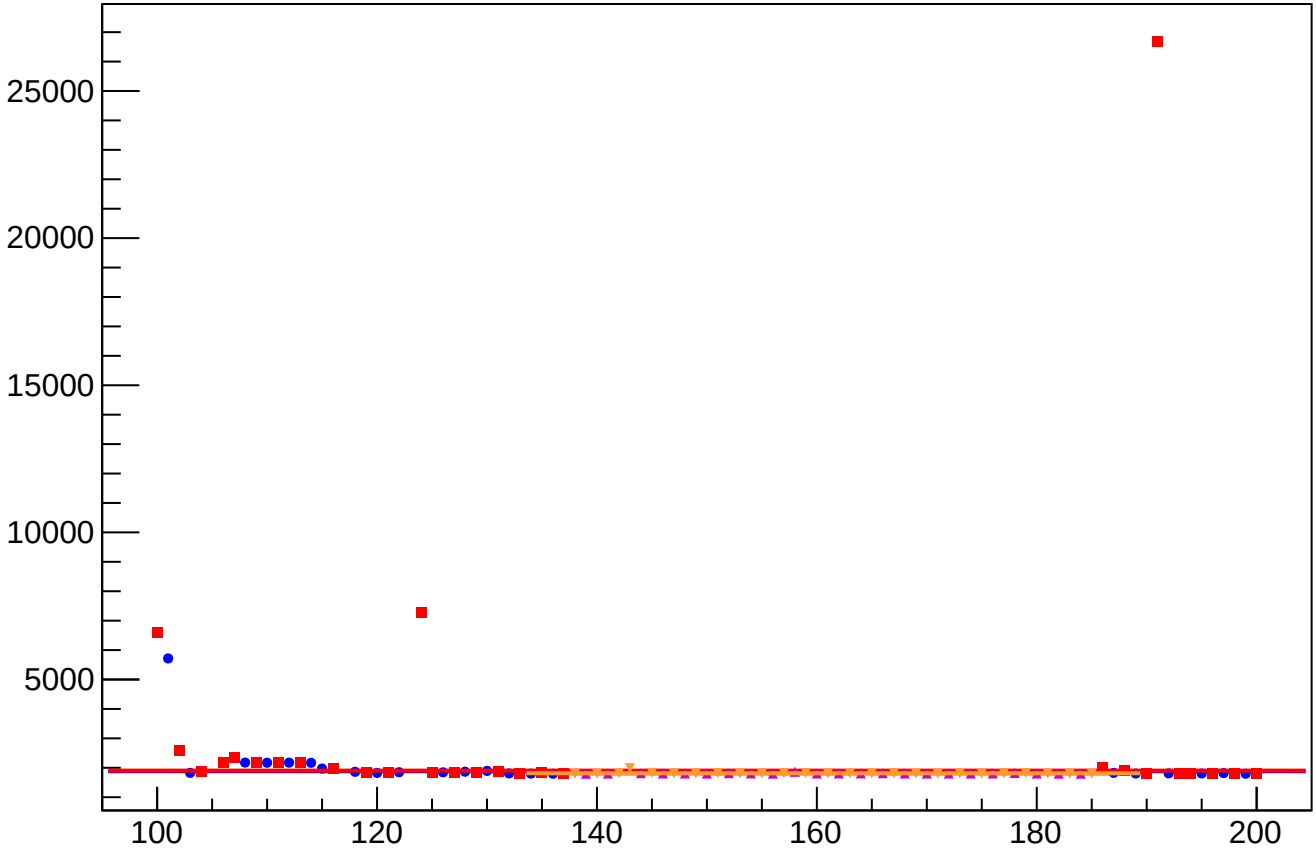
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -581.690+/-332.394 χ^2/NDF: 44.8/46

All: -40.091+/-233.978 χ^2/NDF: 99.9/97

\- sign 491.850+/-329.417 χ^2/NDF: 49.8/50

reg_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.7/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1903.817+/-0.372 χ^2/NDF: 733348.3/27

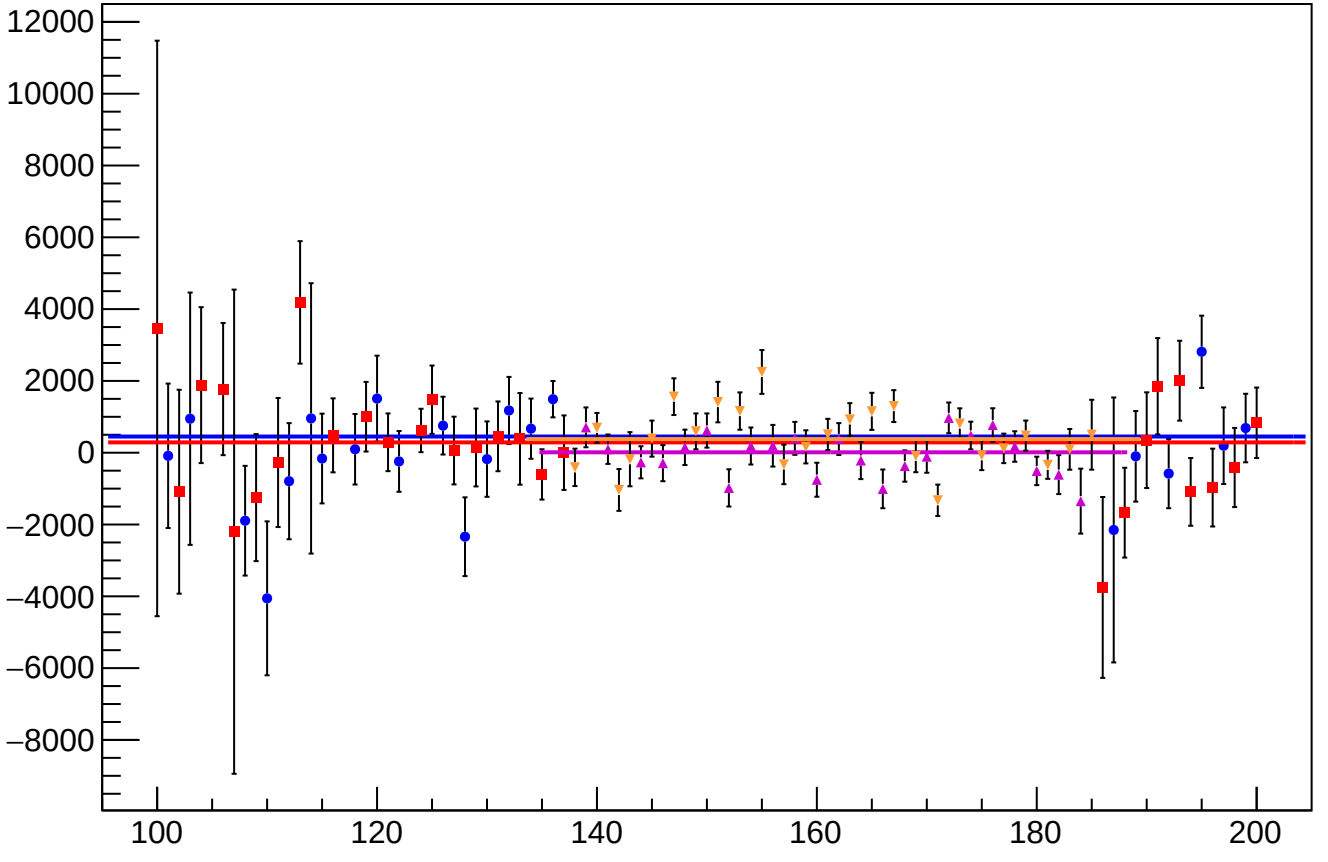
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.6/46

All: 1842.668+/-0.165 χ^2/NDF: 1470601.9/97

- sign 1847.120+/-0.233 χ^2/NDF: 773626.1/50

asym_at1_dd_reg_correction_mean vs Slug



Right In: 450.799+/-225.324 χ^2/NDF: 28.6/21

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 287.783+/-212.227 χ^2/NDF: 25.0/27

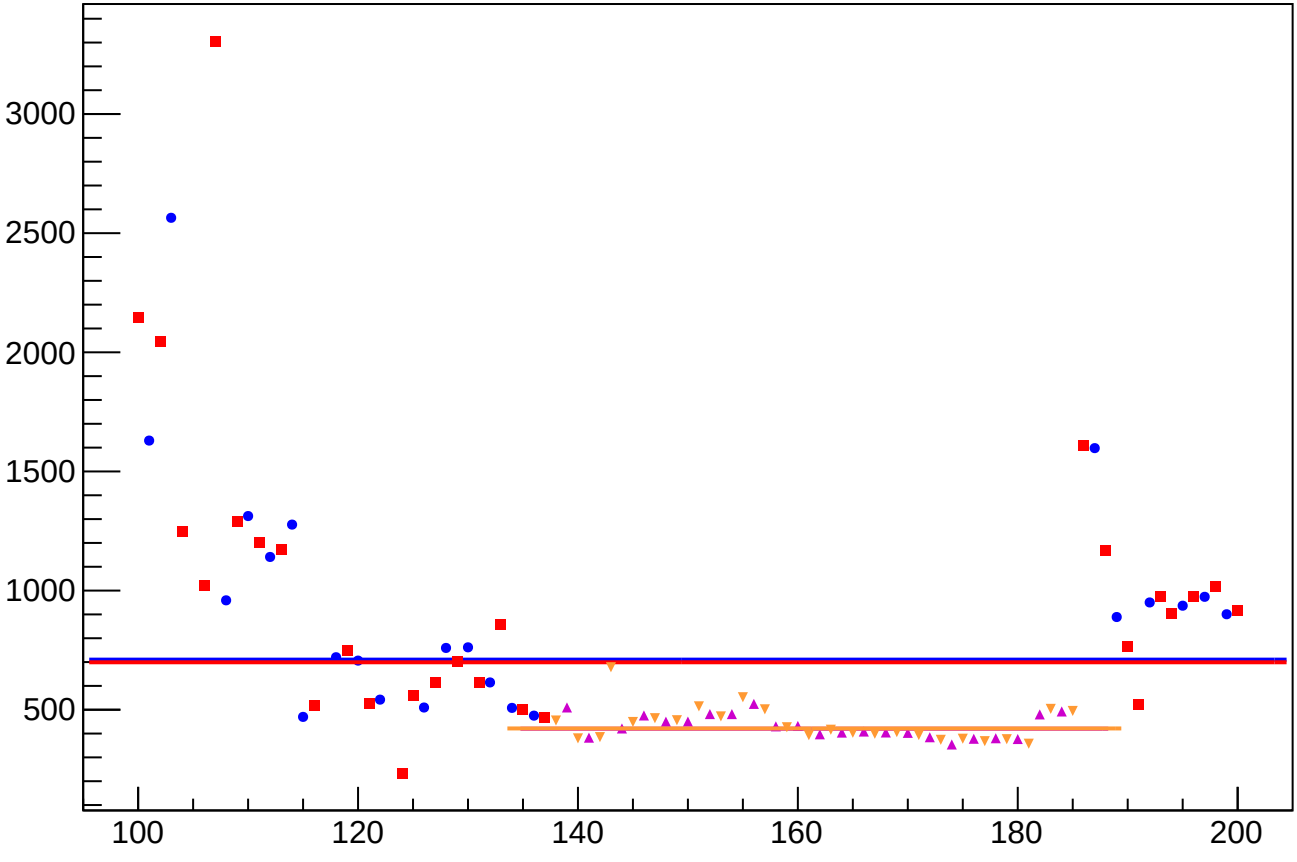
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 390.526+/-89.105 χ^2/NDF: 91.0/46

All: 226.800+/-63.216 χ^2/NDF: 155.3/97

- sign 60.879+/-89.701 χ^2/NDF: 57.5/50

asym_at1_dd_reg_correction_rms vs Slug



Right In: 710.220+/-0.159 χ^2/NDF: 2811216.4/21

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

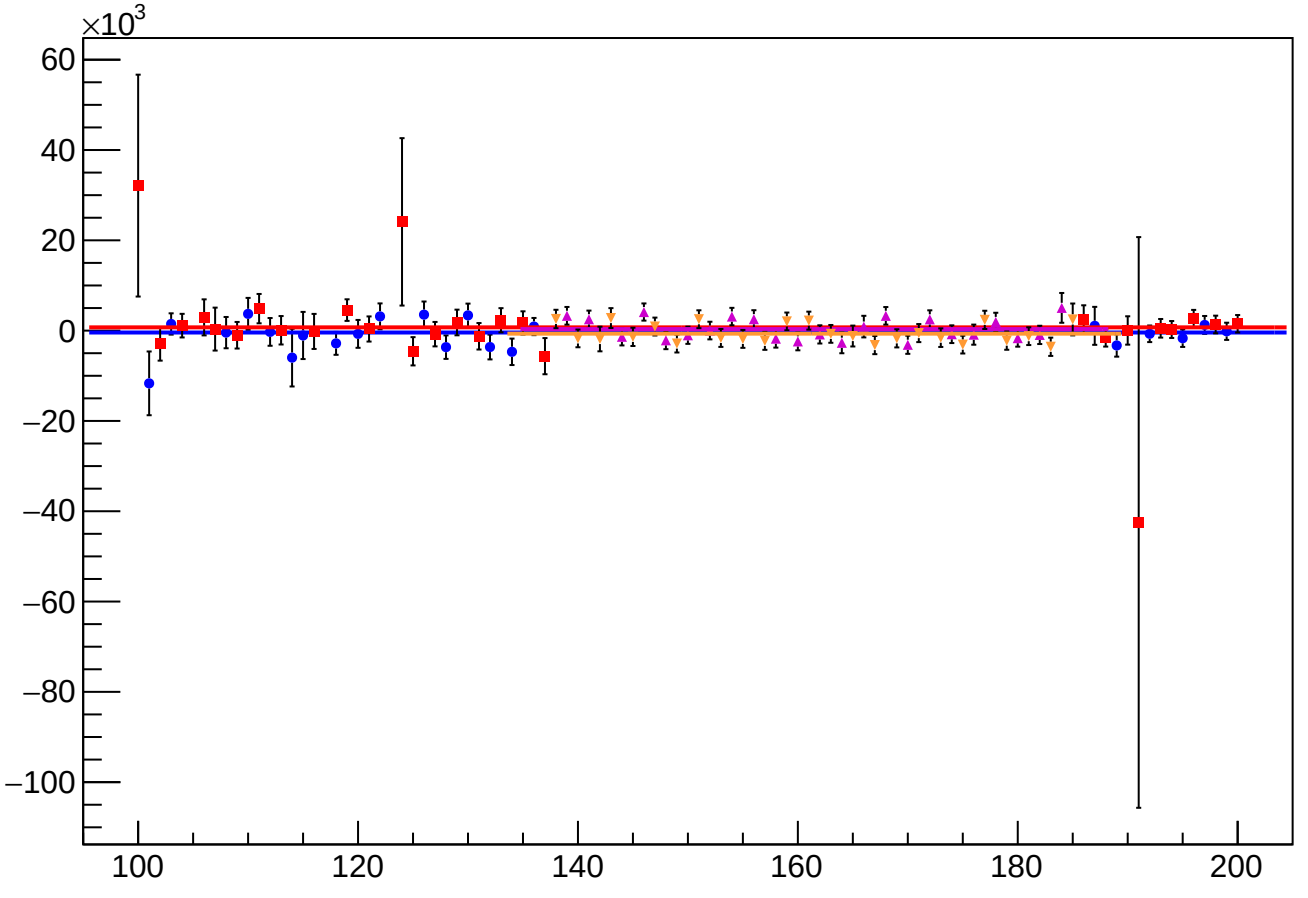
Right Out: 699.134+/-0.150 χ^2/NDF: 4446457.7/27

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 466.581+/-0.063 χ^2/NDF: 6326091.5/46

All: 468.303+/-0.045 χ^2/NDF: 14024397.8/97

- sign 470.048+/-0.063 χ^2/NDF: 7696802.0/50



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 724.610+/-526.062 χ^2/NDF: 19.5/27

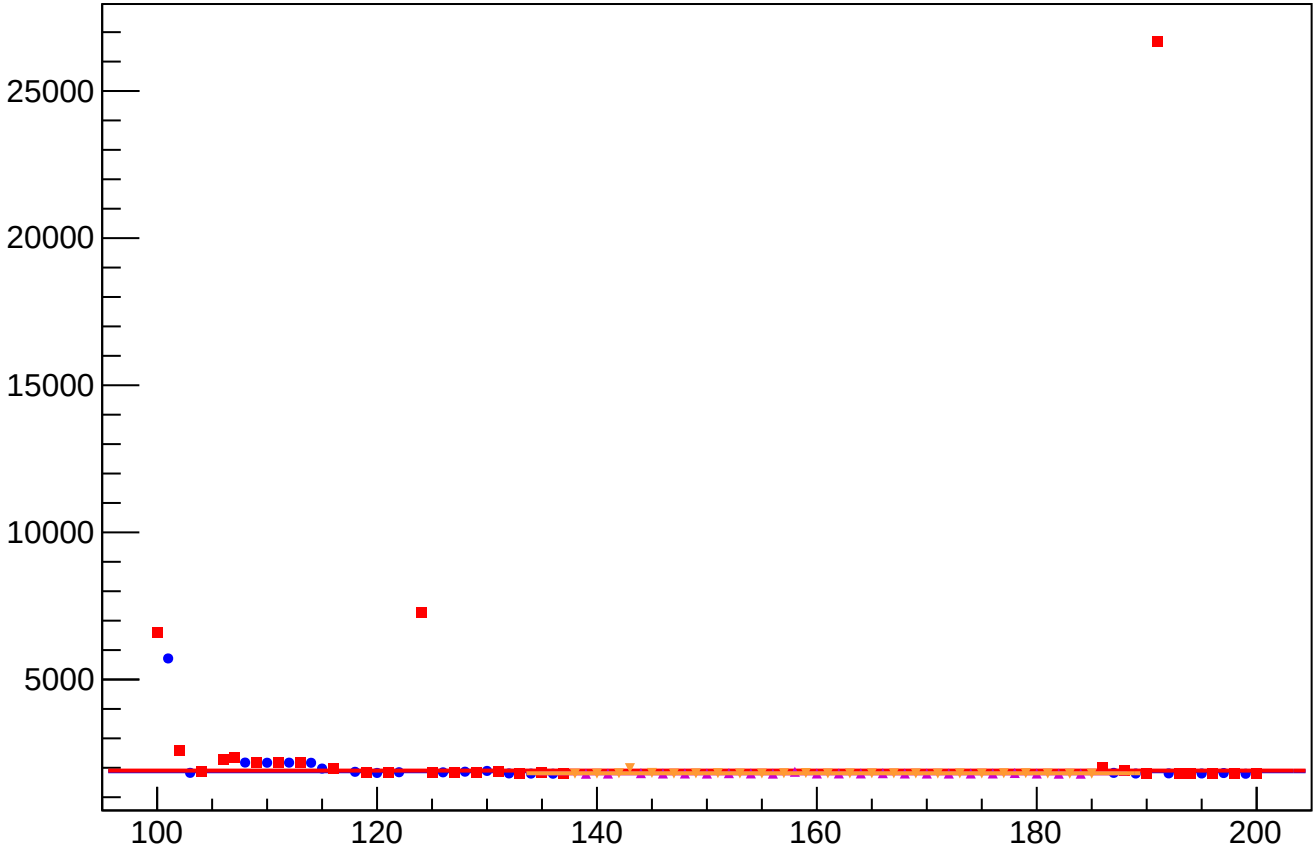
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -581.528+/-332.394 χ^2/NDF: 44.8/46

All: -39.729+/-234.013 χ^2/NDF: 99.9/97

\- sign 492.717+/-329.513 χ^2/NDF: 49.9/50

cor_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

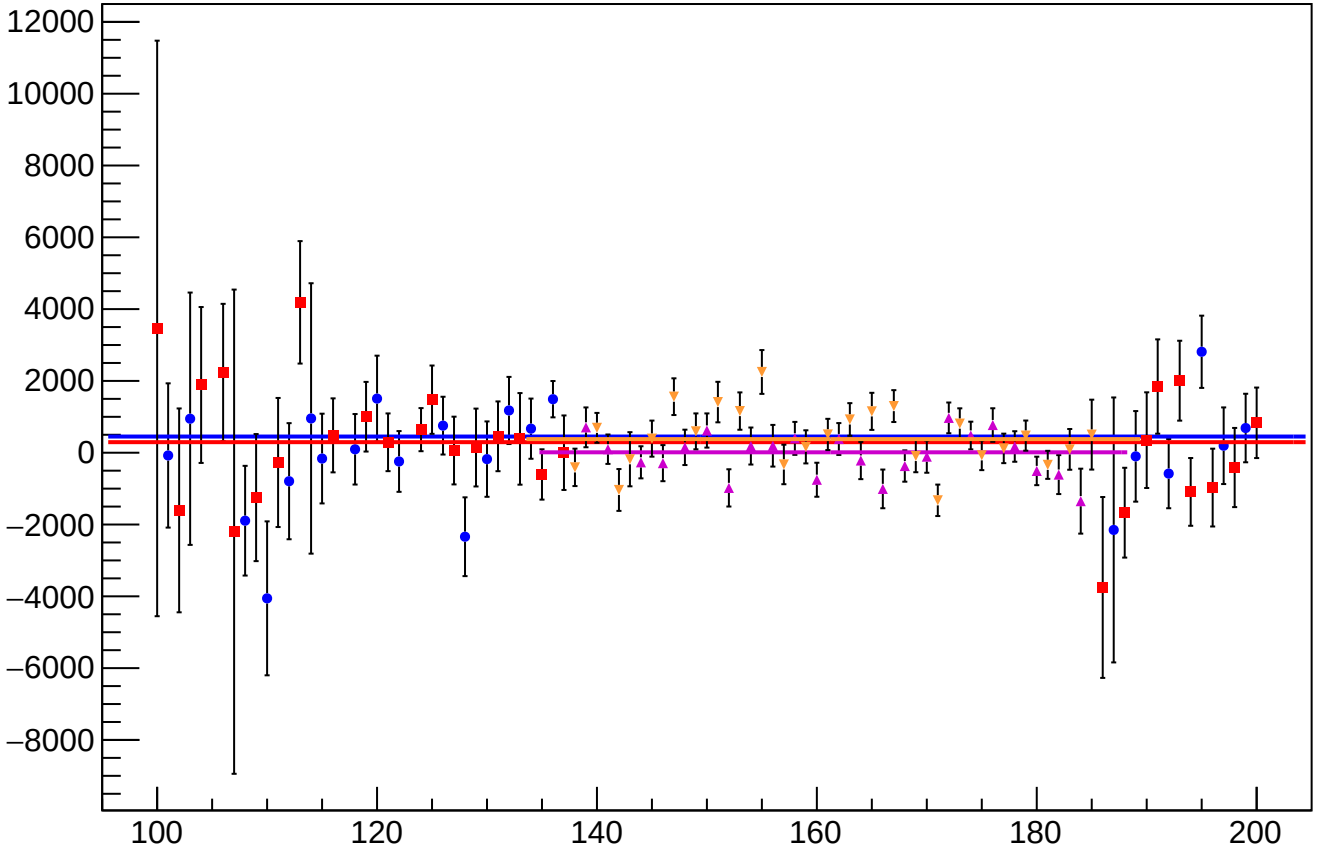
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.5/46

All: 1842.848+/-0.165 χ^2/NDF: 1477251.8/97

- sign 1847.479+/-0.233 χ^2/NDF: 780216.1/50

asym_at1_dd_cor_correction_mean vs Slug



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 294.023+/-212.026 χ^2/NDF: 25.7/27

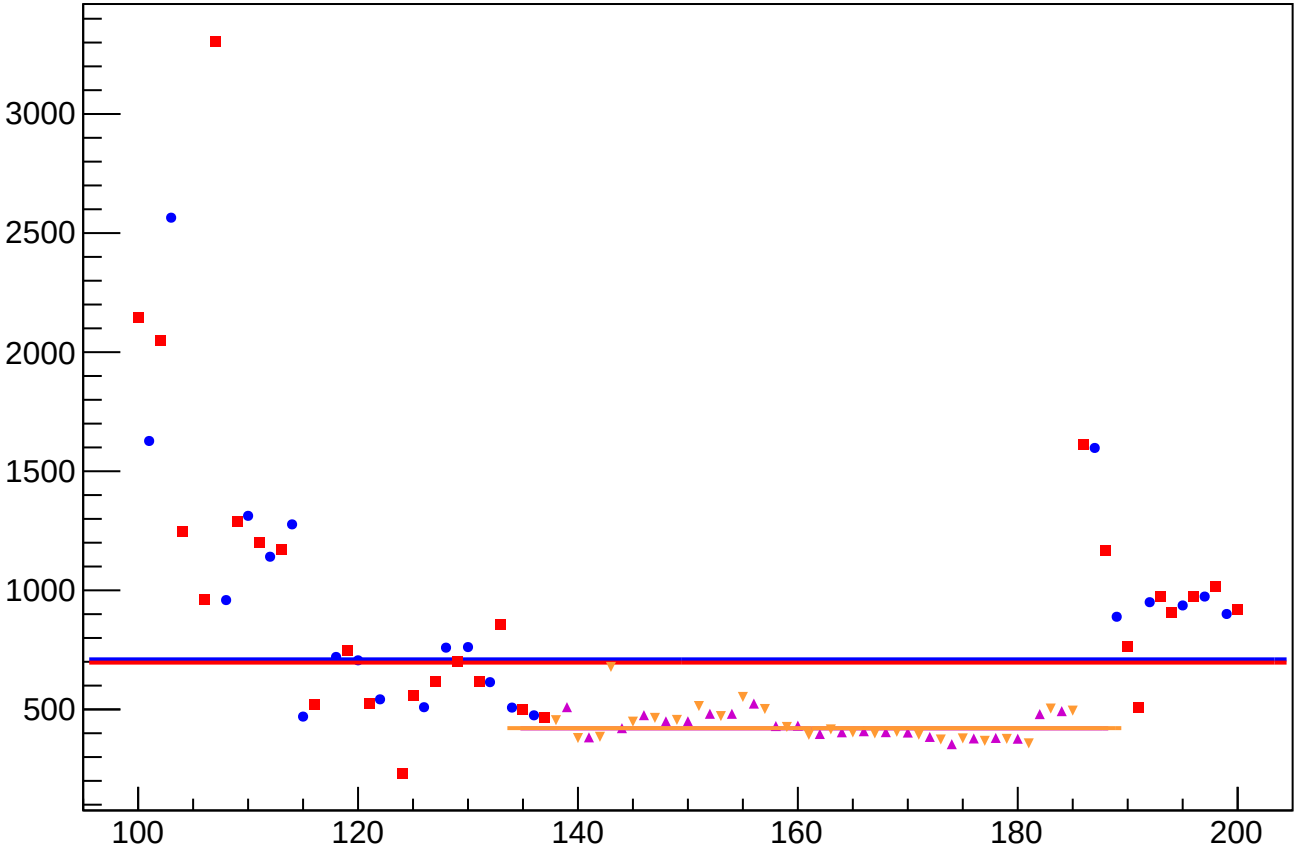
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 390.523+/-89.105 χ^2/NDF: 91.0/46

All: 227.367+/-63.211 χ^2/NDF: 156.1/97

- sign 62.081+/-89.685 χ^2/NDF: 58.3/50

asym_at1_dd_cor_correction_rms vs Slug



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

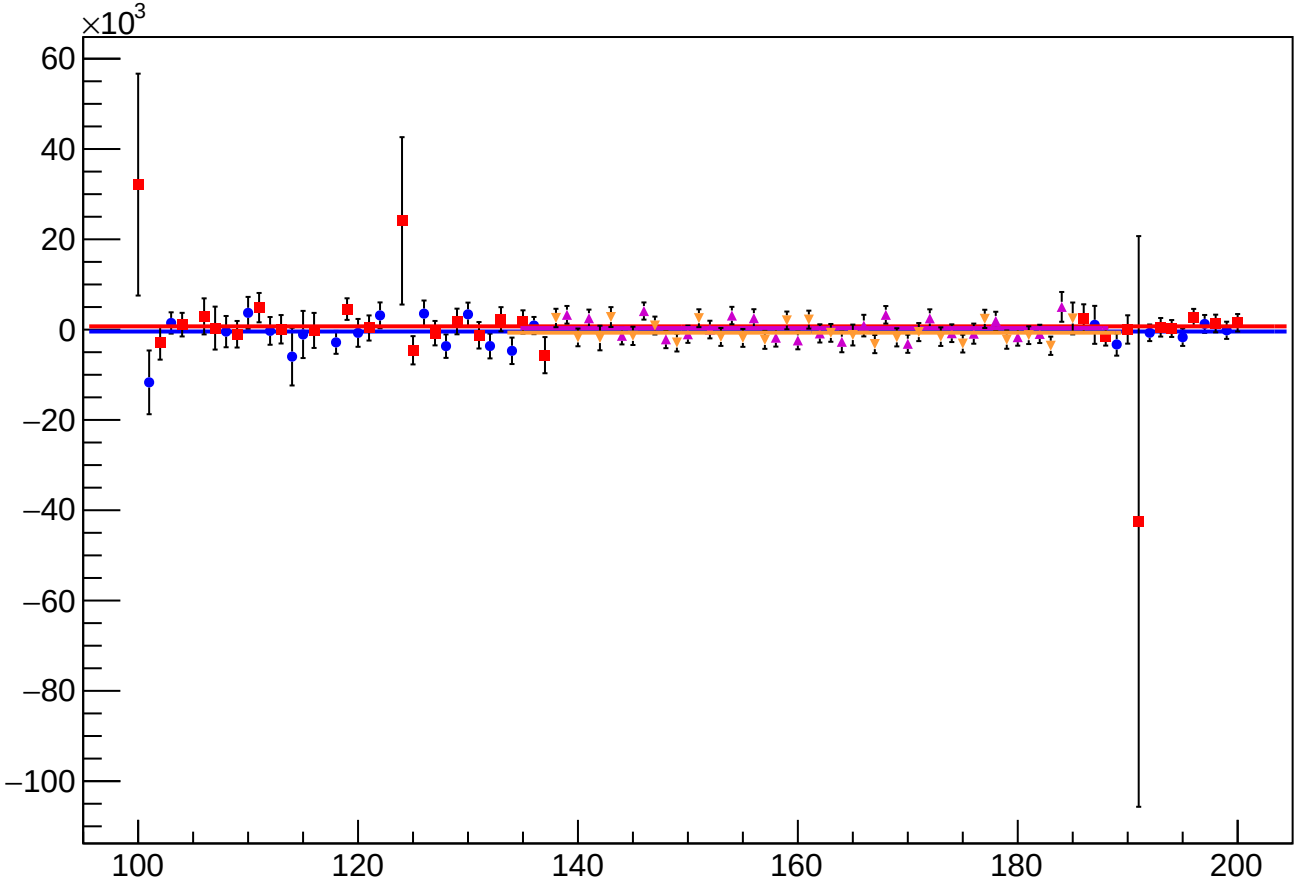
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 466.585+/-0.063 χ^2/NDF: 6325192.7/46

All: 468.111+/-0.045 χ^2/NDF: 13986639.6/97

- sign 469.656+/-0.063 χ^2/NDF: 7660267.2/50

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 724.610+/-526.062 χ^2/NDF: 19.5/27

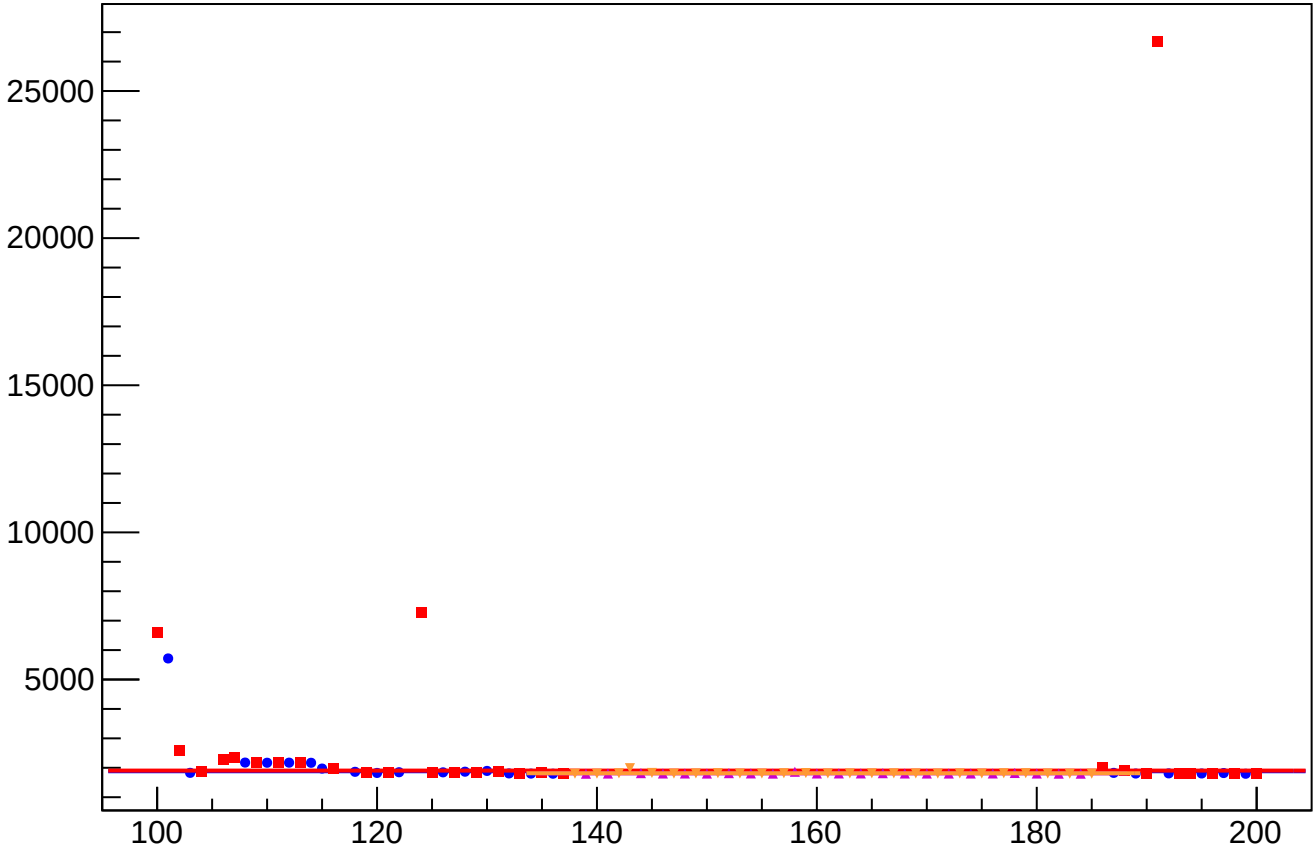
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -581.528+/-332.394 χ^2/NDF: 44.8/46

All: -39.729+/-234.013 χ^2/NDF: 99.9/97

- sign 492.717+/-329.513 χ^2/NDF: 49.9/50

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

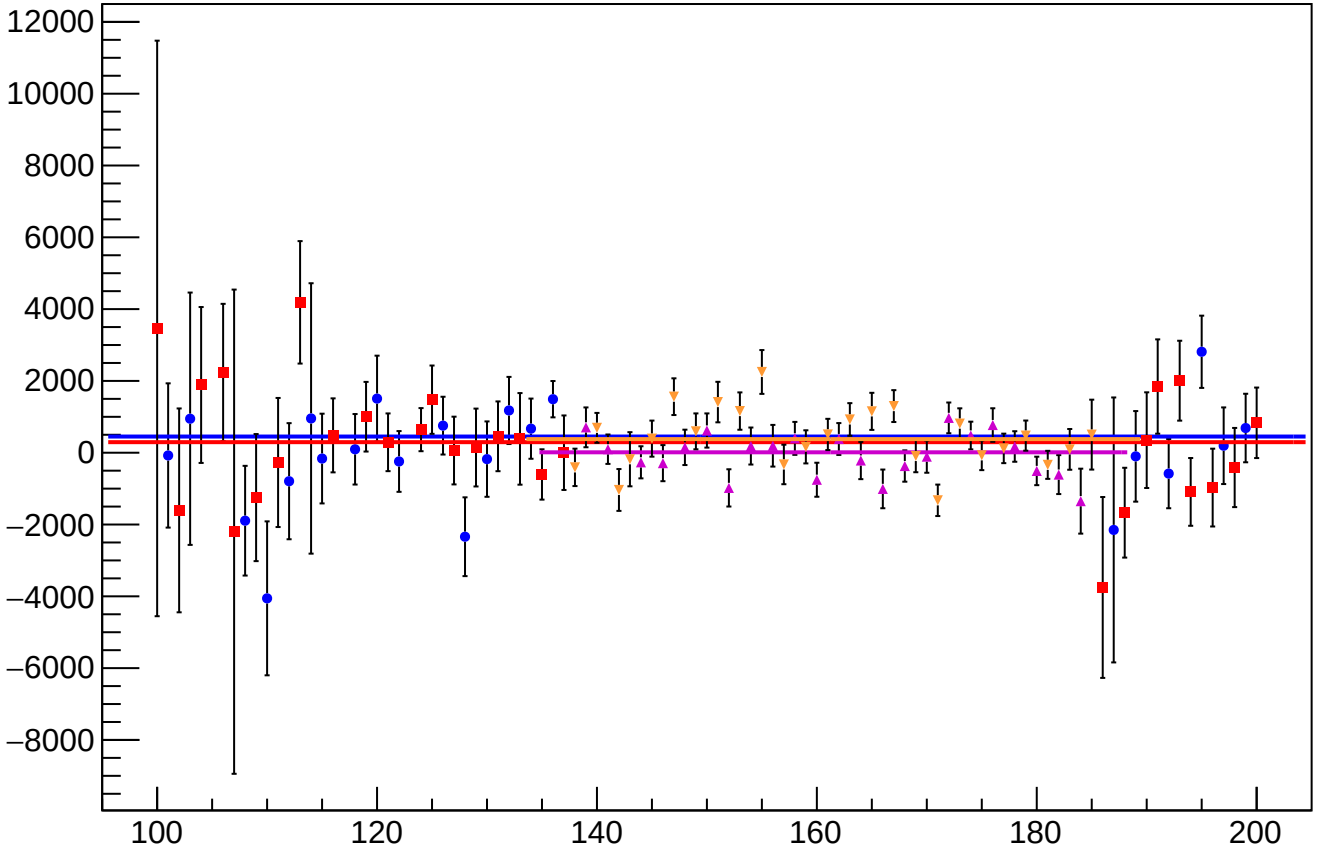
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.5/46

All: 1842.848+/-0.165 χ^2/NDF: 1477251.8/97

- sign 1847.479+/-0.233 χ^2/NDF: 780216.1/50

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 294.023+/-212.026 χ^2/NDF: 25.7/27

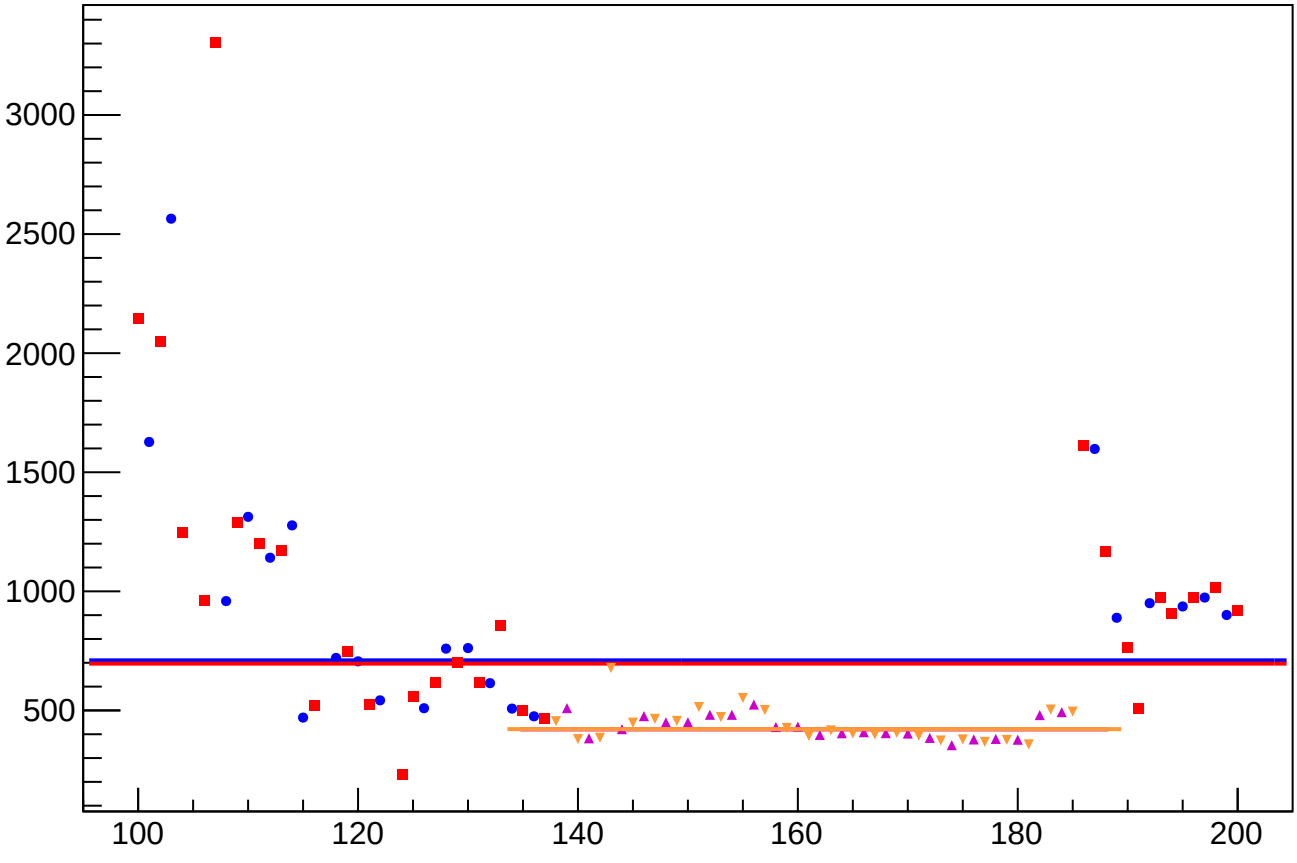
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 390.523+/-89.105 χ^2/NDF: 91.0/46

All: 227.367+/-63.211 χ^2/NDF: 156.1/97

- sign 62.081+/-89.685 χ^2/NDF: 58.3/50

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

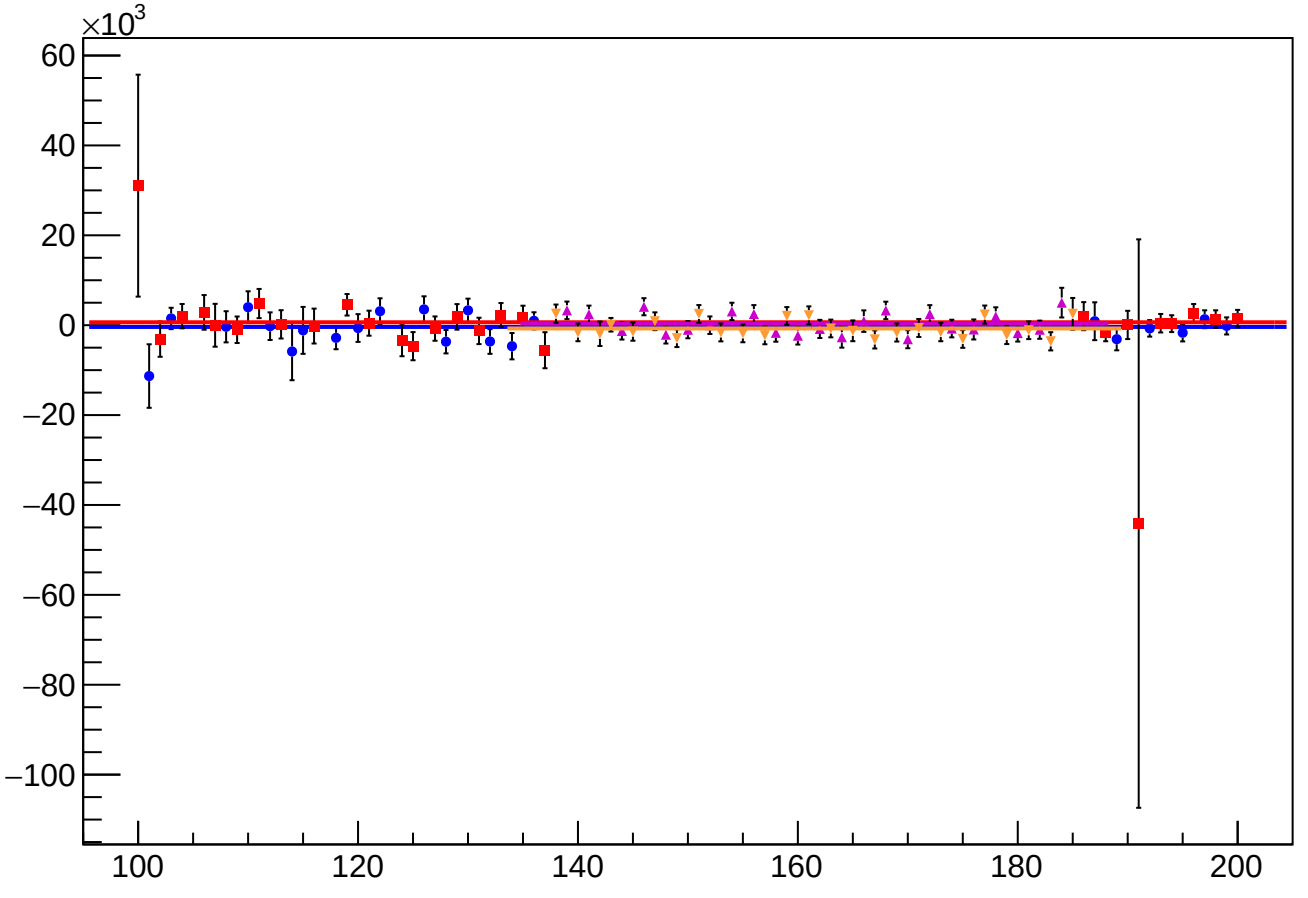
Right Out: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 466.585+/-0.063 χ^2/NDF: 6325192.7/46

All: 468.111+/-0.045 χ^2/NDF: 13986639.6/97

- sign 469.656+/-0.063 χ^2/NDF: 7660267.2/50



Right In: -389.714+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 650.424+/-522.102 χ^2/NDF: 19.1/27

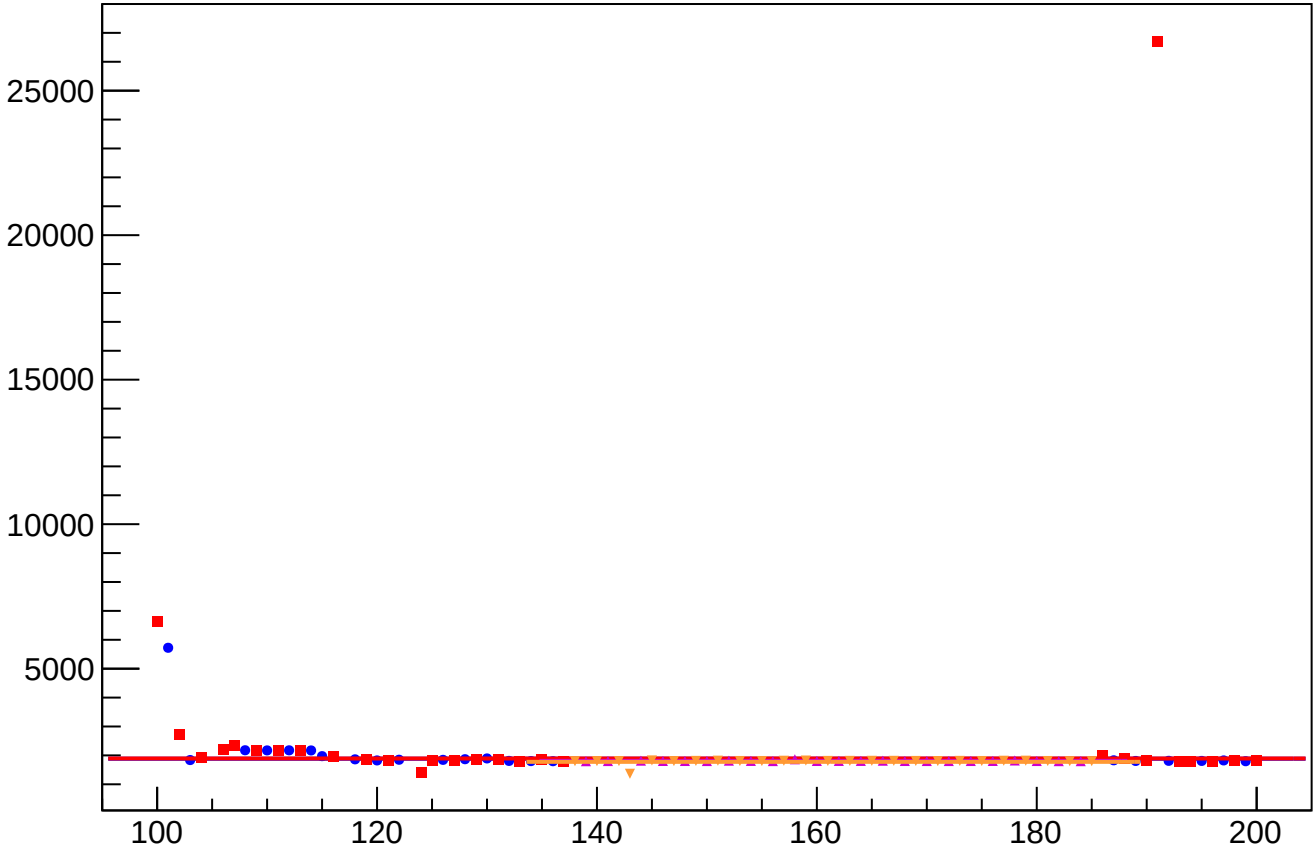
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -610.491+/-328.402 χ^2/NDF: 42.1/46

All: -73.720+/-232.286 χ^2/NDF: 96.4/97

\- sign 463.704+/-328.601 χ^2/NDF: 49.0/50

dit_asym_at1_dd_rms vs Slug



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1893.107+/-0.369 χ^2/NDF: 619890.3/27

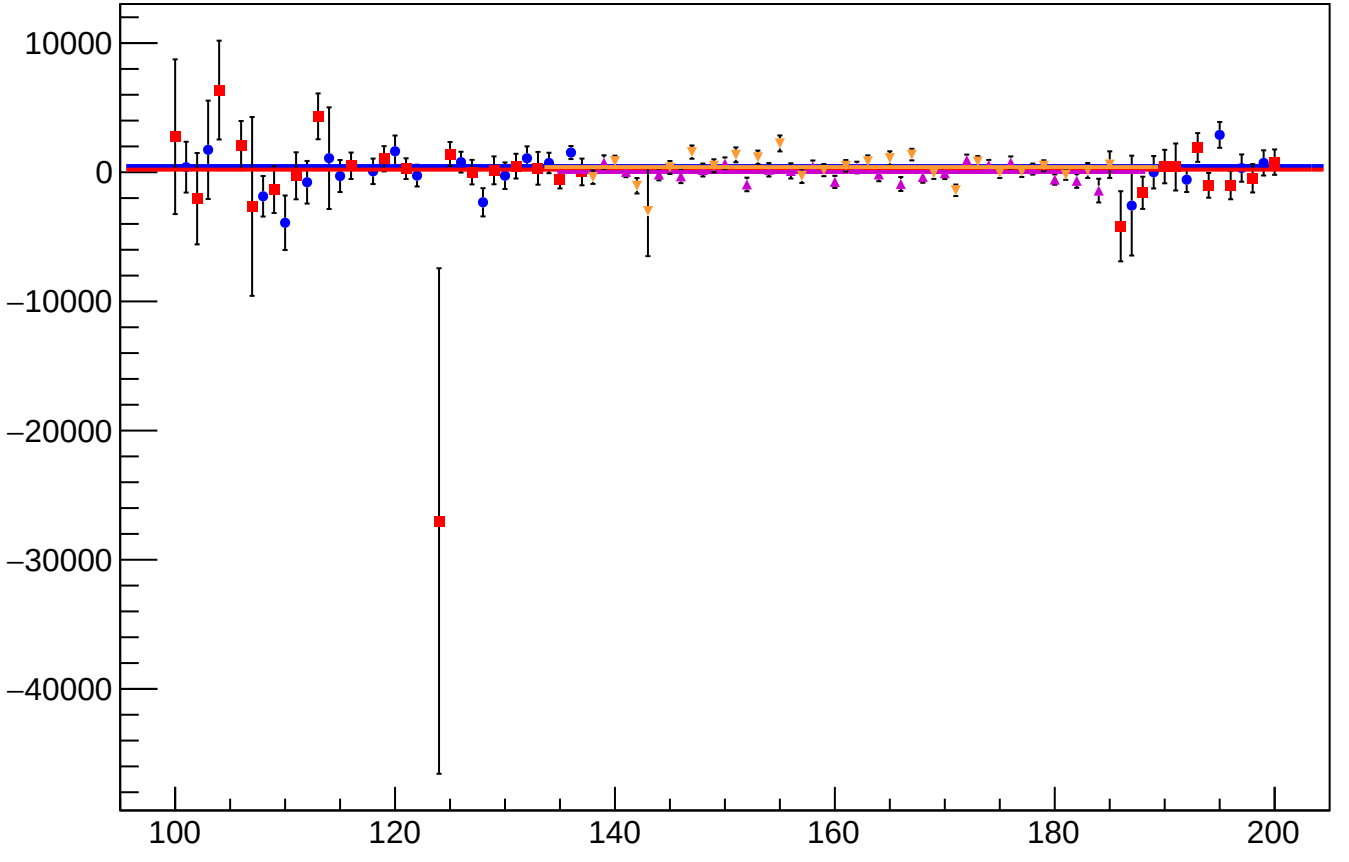
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.348+/-0.232 χ^2/NDF: 873303.7/46

All: 1828.452+/-0.164 χ^2/NDF: 1533435.0/97

- sign 1843.575+/-0.232 χ^2/NDF: 651664.7/50

asym_at1_dd_dit_correction_mean vs Slug



Right In: 478.652+/-224.095 χ^2/NDF: 29.4/21

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 203.304+/-229.050 χ^2/NDF: 26.9/27

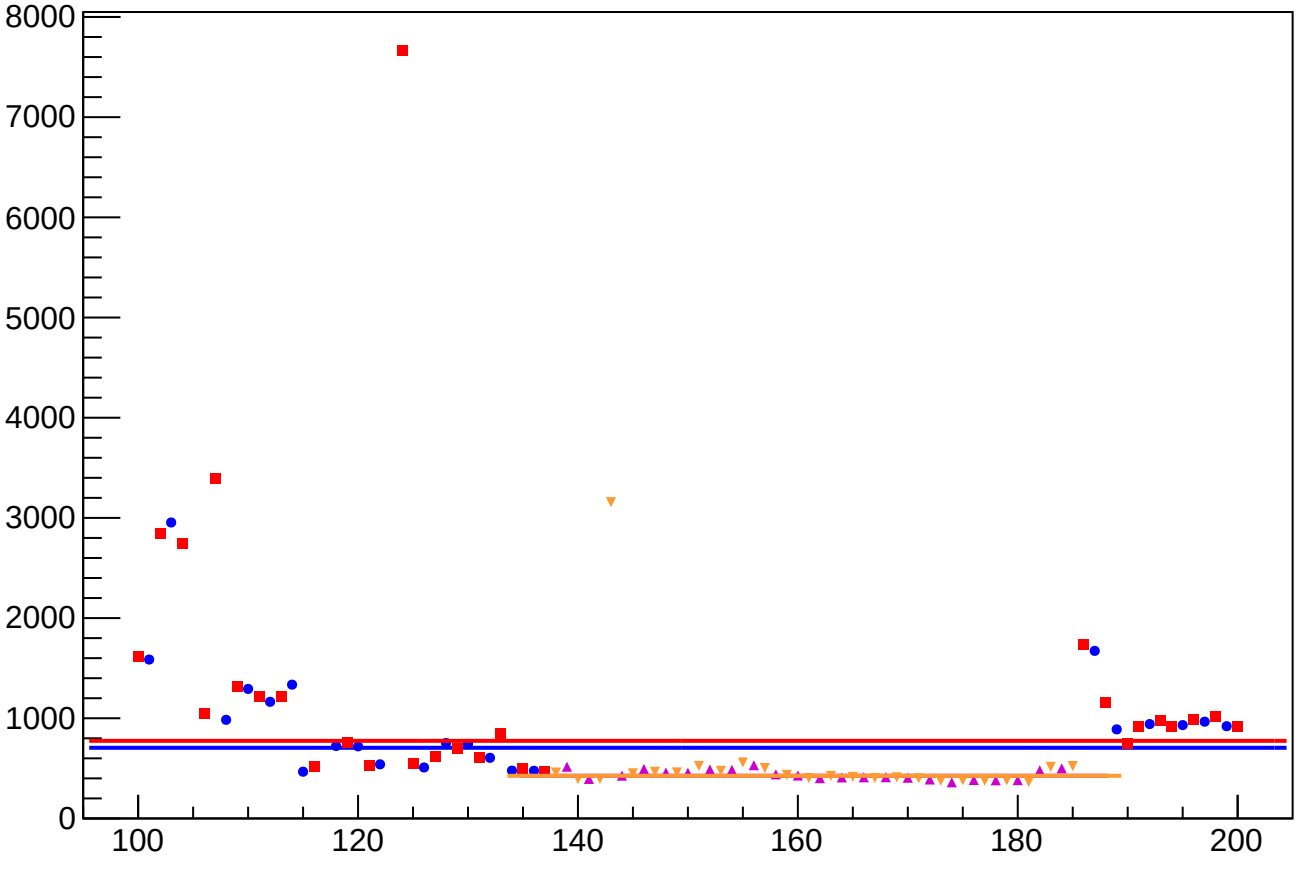
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 411.432+/-90.683 χ^2/NDF: 90.0/46

All: 233.369+/-64.531 χ^2/NDF: 156.2/97

- sign 50.695+/-91.850 χ^2/NDF: 58.3/50

asym_at1_dd_dit_correction_rms vs Slug



Right In: 705.427+/-0.158 χ^2/NDF: 3014610.3/21

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

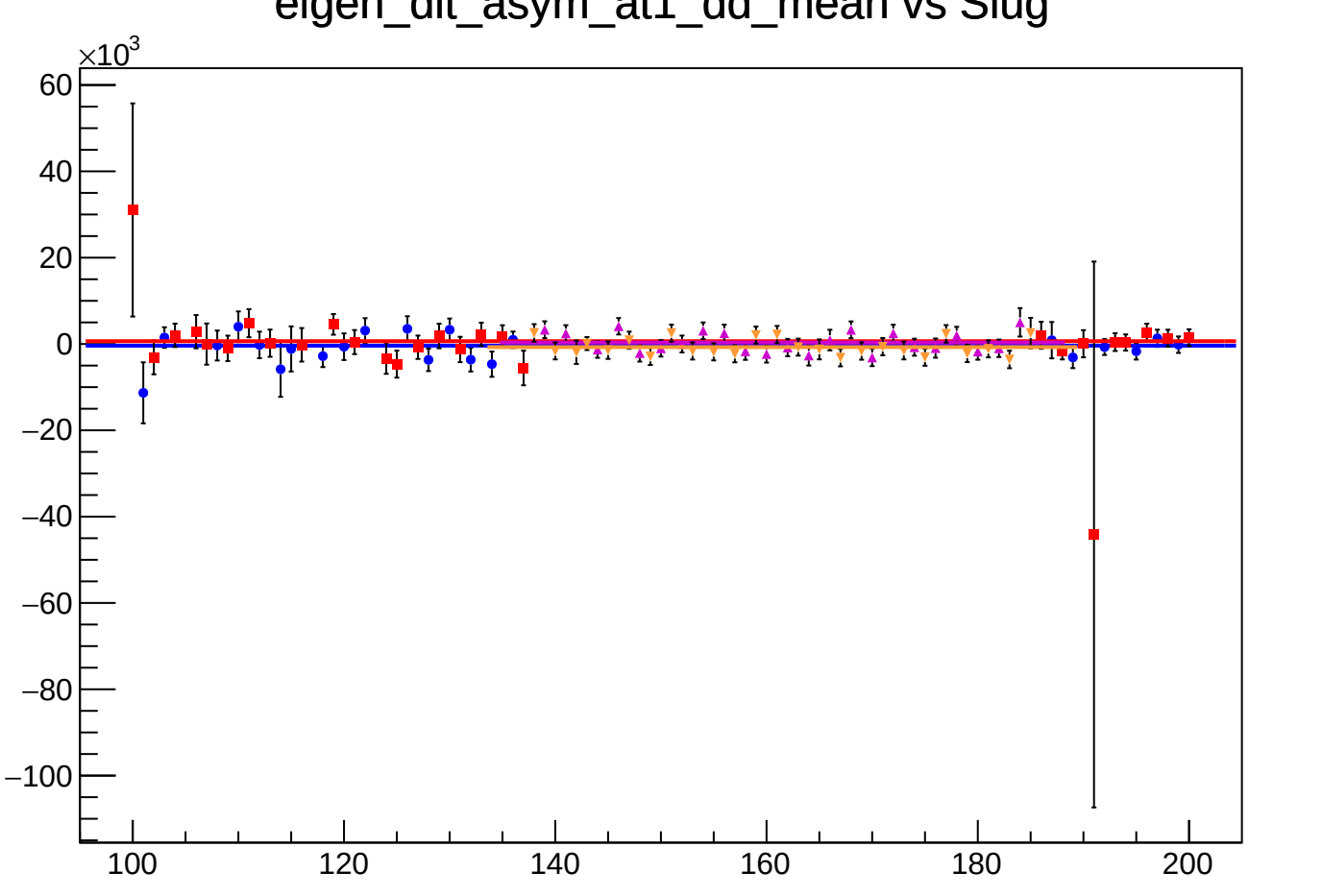
Right Out: 774.706+/-0.162 χ^2/NDF: 4095809.1/27

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 471.503+/-0.064 χ^2/NDF: 7338789.9/46

All: 476.780+/-0.046 χ^2/NDF: 15750540.4/97

- sign 482.194+/-0.065 χ^2/NDF: 8398028.9/50



Right In: -389.715+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 650.423+/-522.102 χ^2/NDF: 19.1/27

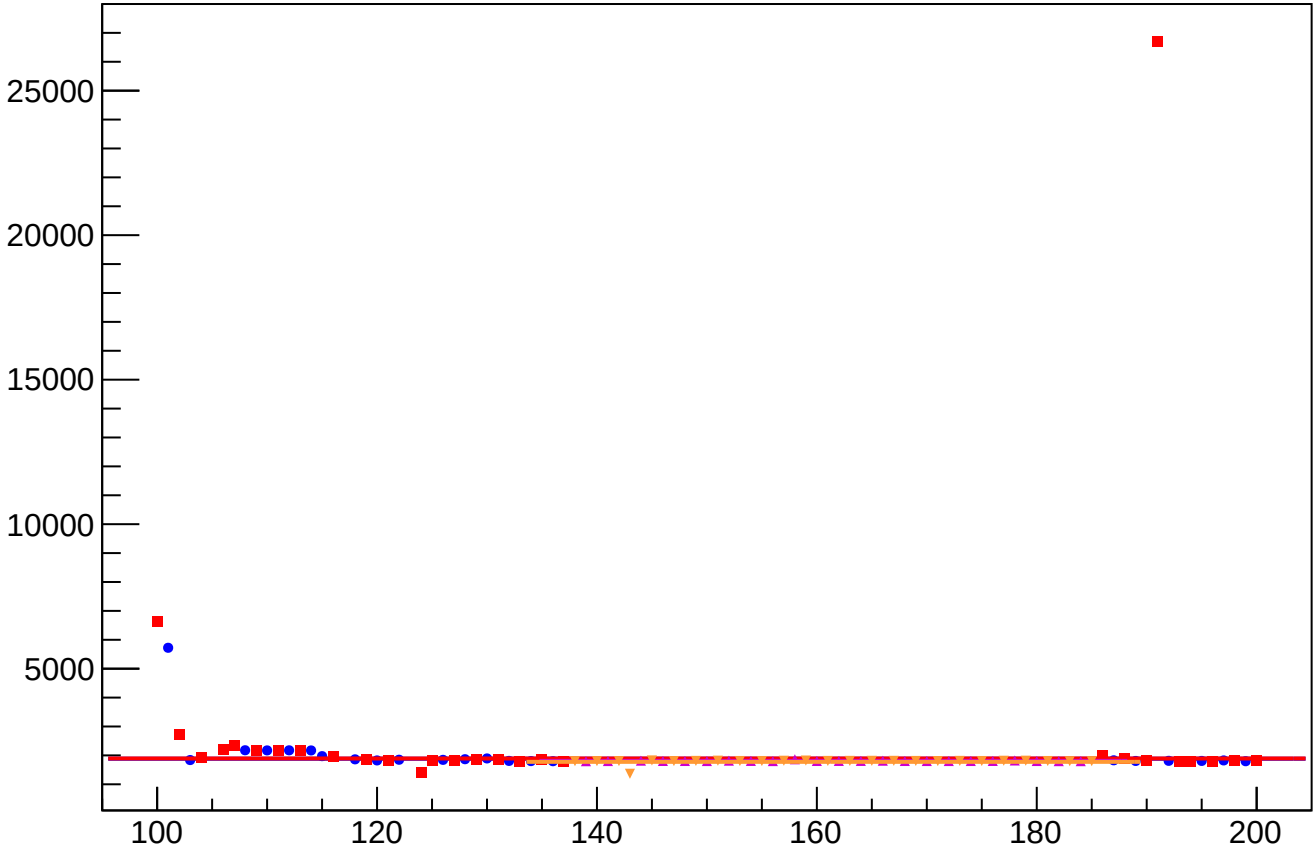
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -610.492+/-328.402 χ^2/NDF: 42.1/46

All: -73.721+/-232.286 χ^2/NDF: 96.4/97

- sign 463.703+/-328.601 χ^2/NDF: 49.0/50

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

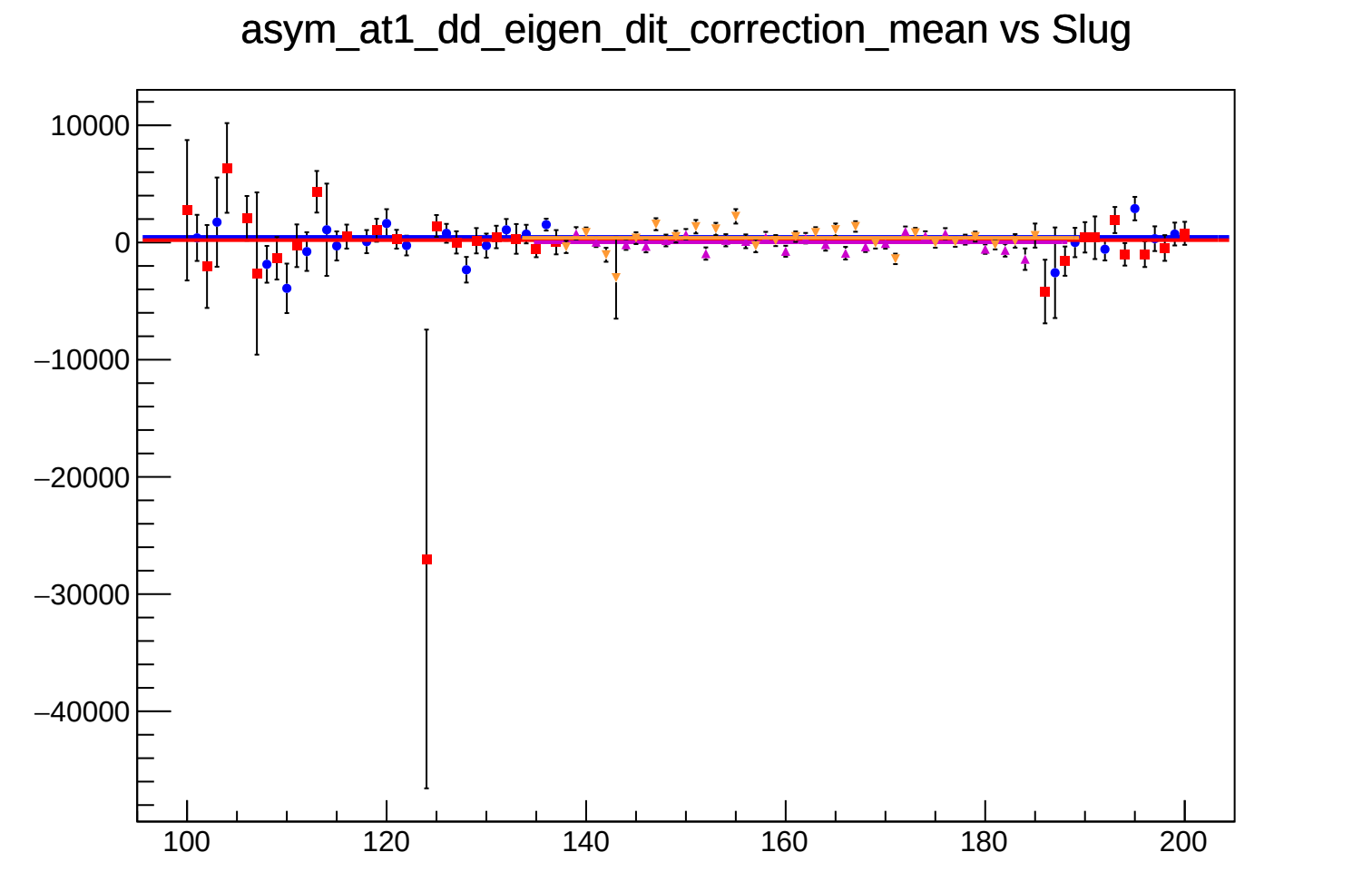
Right Out: 1893.107+/-0.369 χ^2/NDF: 619890.1/27

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

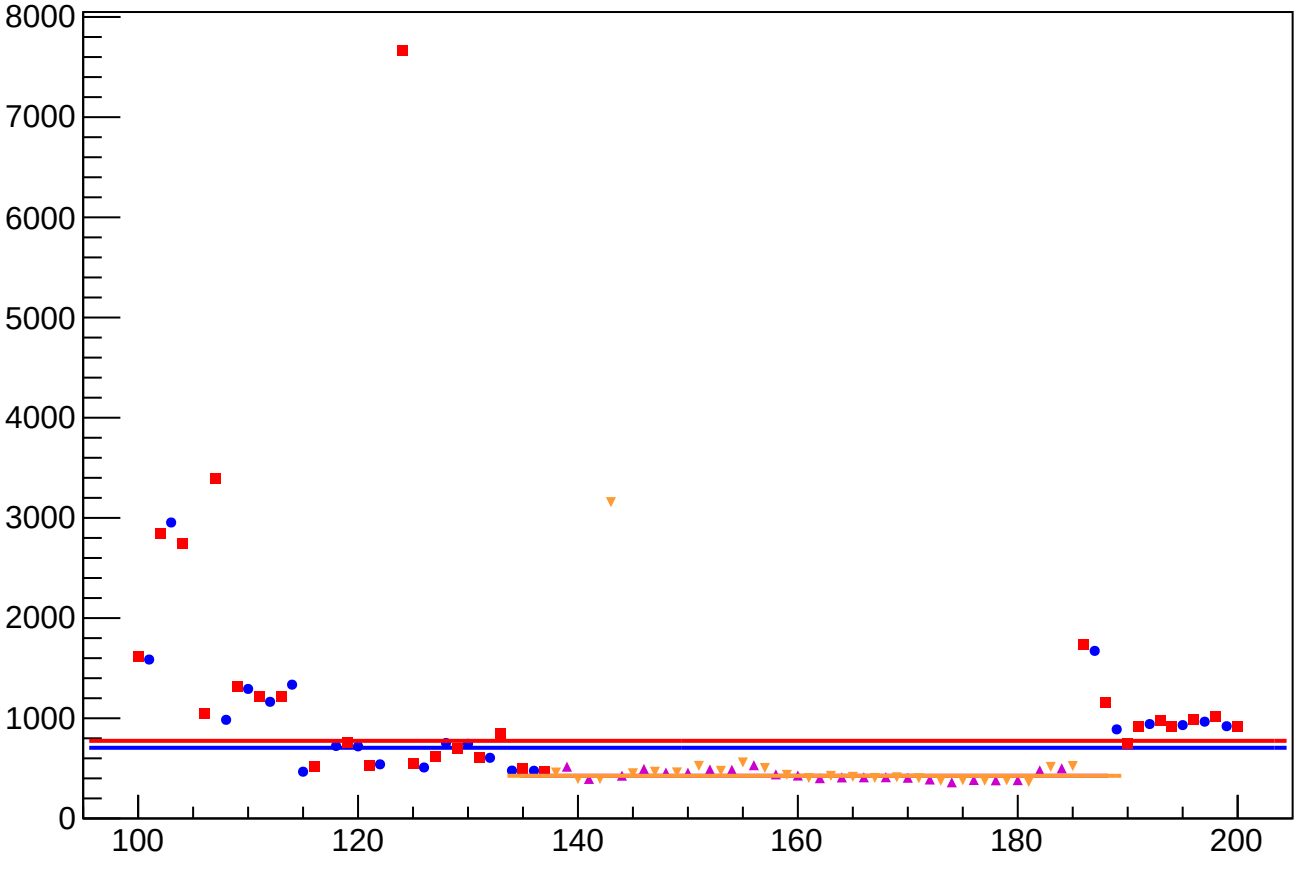
+ sign 1813.348+/-0.232 χ^2/NDF: 873303.6/46

All: 1828.452+/-0.164 χ^2/NDF: 1533434.8/97

- sign 1843.575+/-0.232 χ^2/NDF: 651664.5/50


asym_at1_dd_eigen_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 478.650+/-224.095 χ²/NDF: 29.4/21
Left Out: 398.268+/-99.165 χ²/NDF:60.5/24
Right Out: 203.305+/-229.050 χ²/NDF: 26.9/27
Left In: 21.452+/-100.264 χ²/NDF:30.8/22
+ sign 411.431+/-90.683 χ²/NDF: 90.0/46
All: 233.369+/-64.531 χ²/NDF: 156.2/97
- sign 50.695+/-91.850 χ²/NDF: 58.3/50

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 705.427+/-0.158 χ^2/NDF: 3014611.6/21

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 774.706+/-0.162 χ^2/NDF: 4095812.7/27

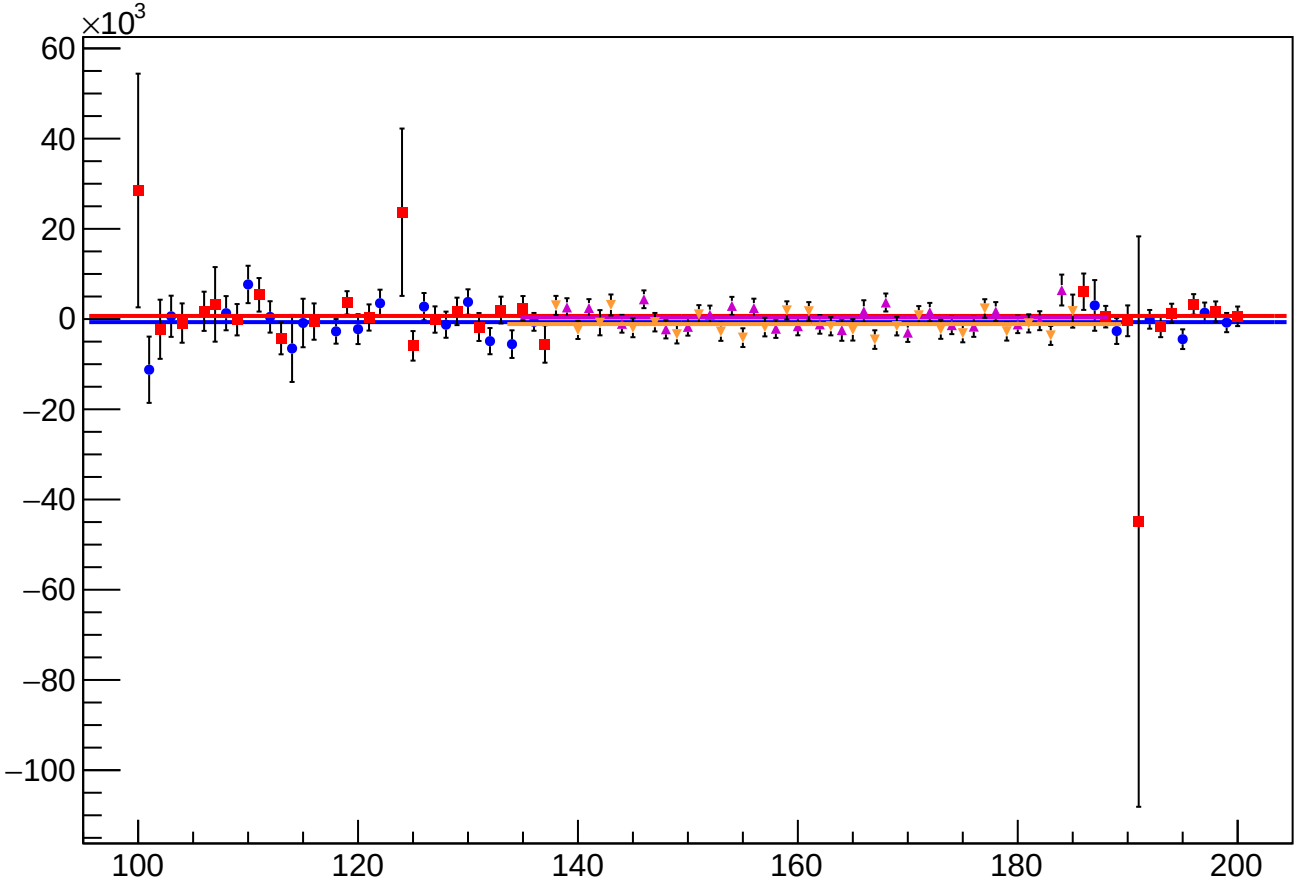
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 471.503+/-0.064 χ^2/NDF: 7338797.2/46

All: 476.780+/-0.046 χ^2/NDF: 15750556.7/97

- sign 482.194+/-0.065 χ^2/NDF: 8398037.8/50

asym_at1_dd_mean vs Slug



Right In: -677.183+/-630.565 χ^2/NDF: 23.3/21

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 691.311+/-599.804 χ^2/NDF: 20.8/27

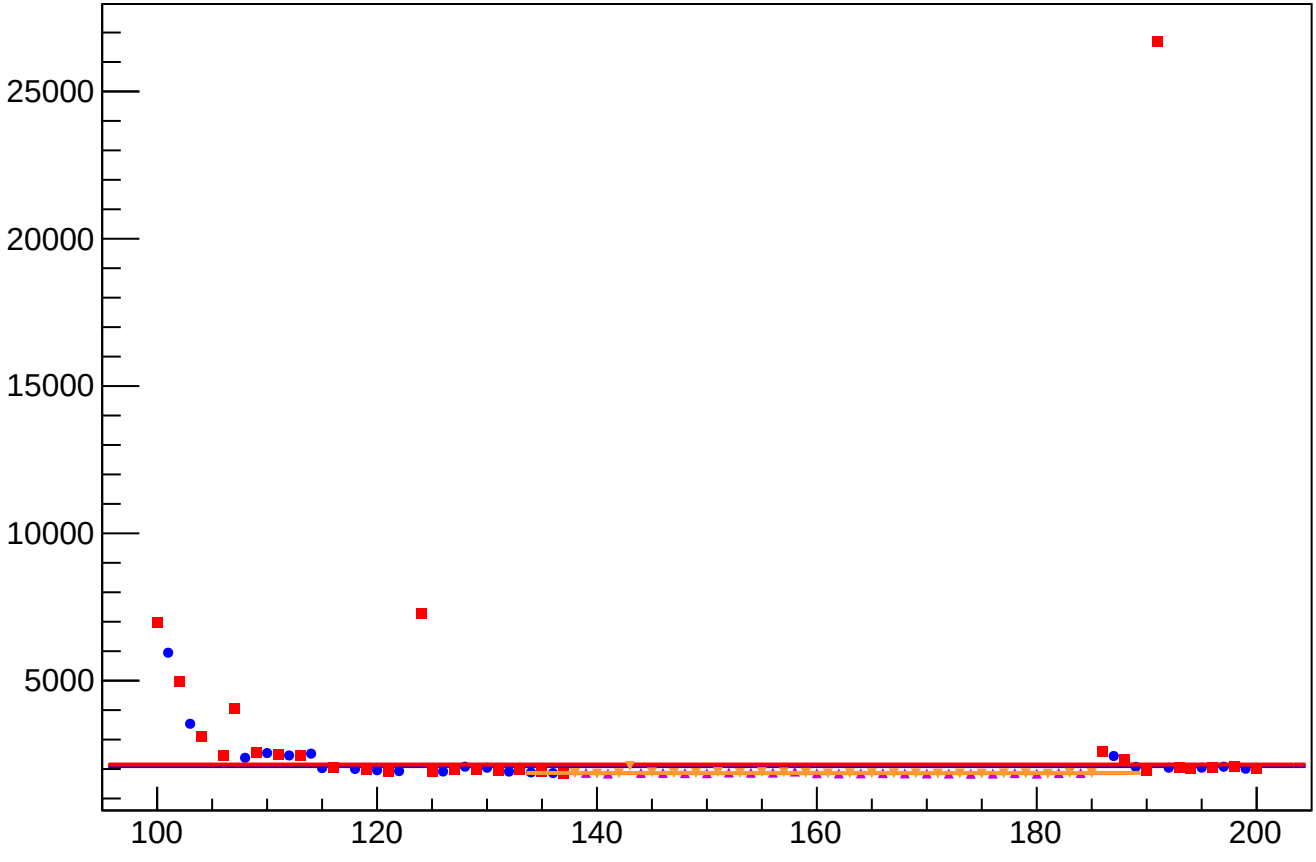
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -972.059+/-352.223 χ^2/NDF: 51.6/46

All: -252.995+/-249.020 χ^2/NDF: 109.7/97

- sign 465.616+/-352.113 χ^2/NDF: 49.8/50

asym_at1_dd_rms vs Slug



Right In: 2100.281+/-0.446 χ^2/NDF: 891065.8/21

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2152.925+/-0.424 χ^2/NDF: 1315187.1/27

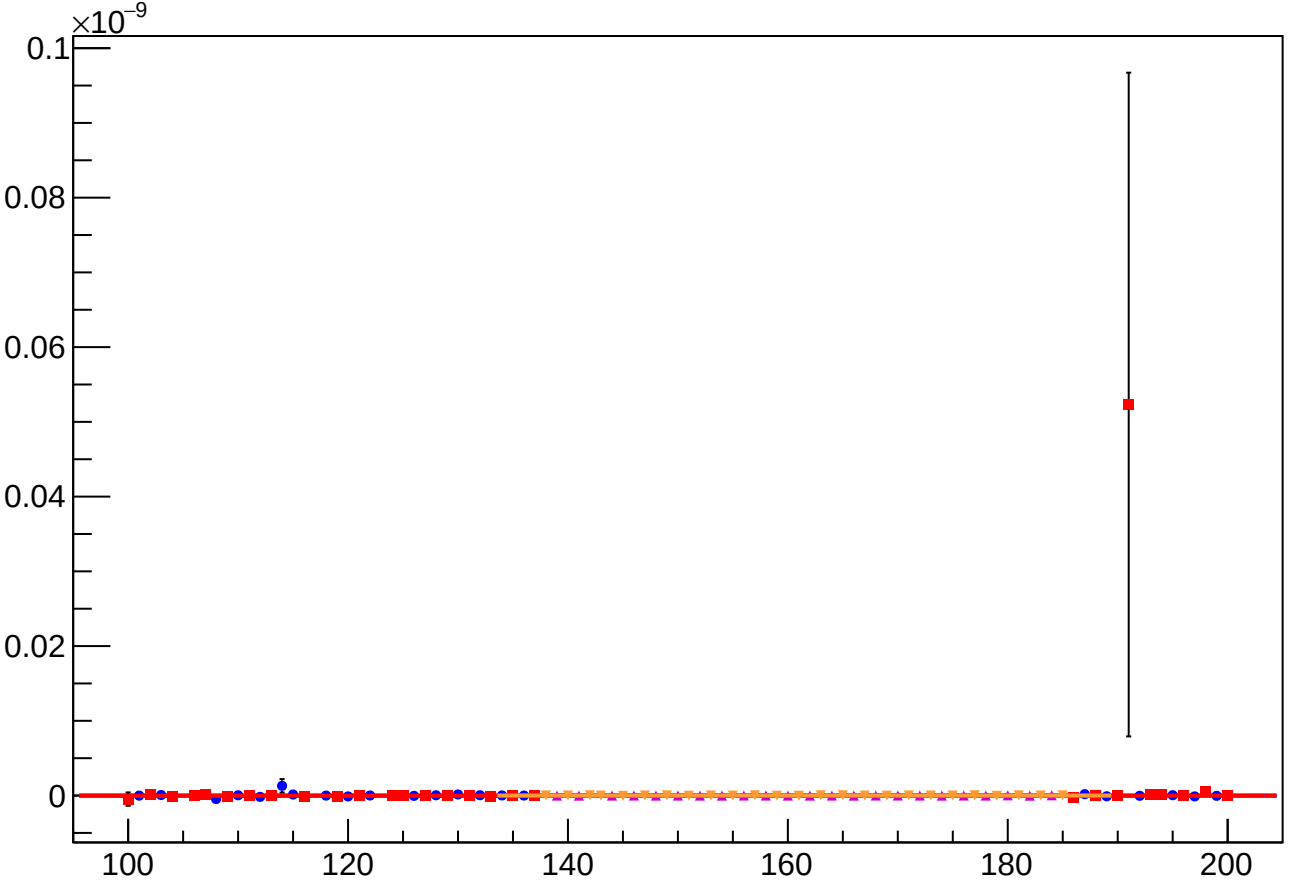
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1941.123+/-0.249 χ^2/NDF: 1099585.2/46

All: 1951.966+/-0.176 χ^2/NDF: 2727888.7/97

- sign 1962.803+/-0.249 χ^2/NDF: 1624513.8/50

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/27

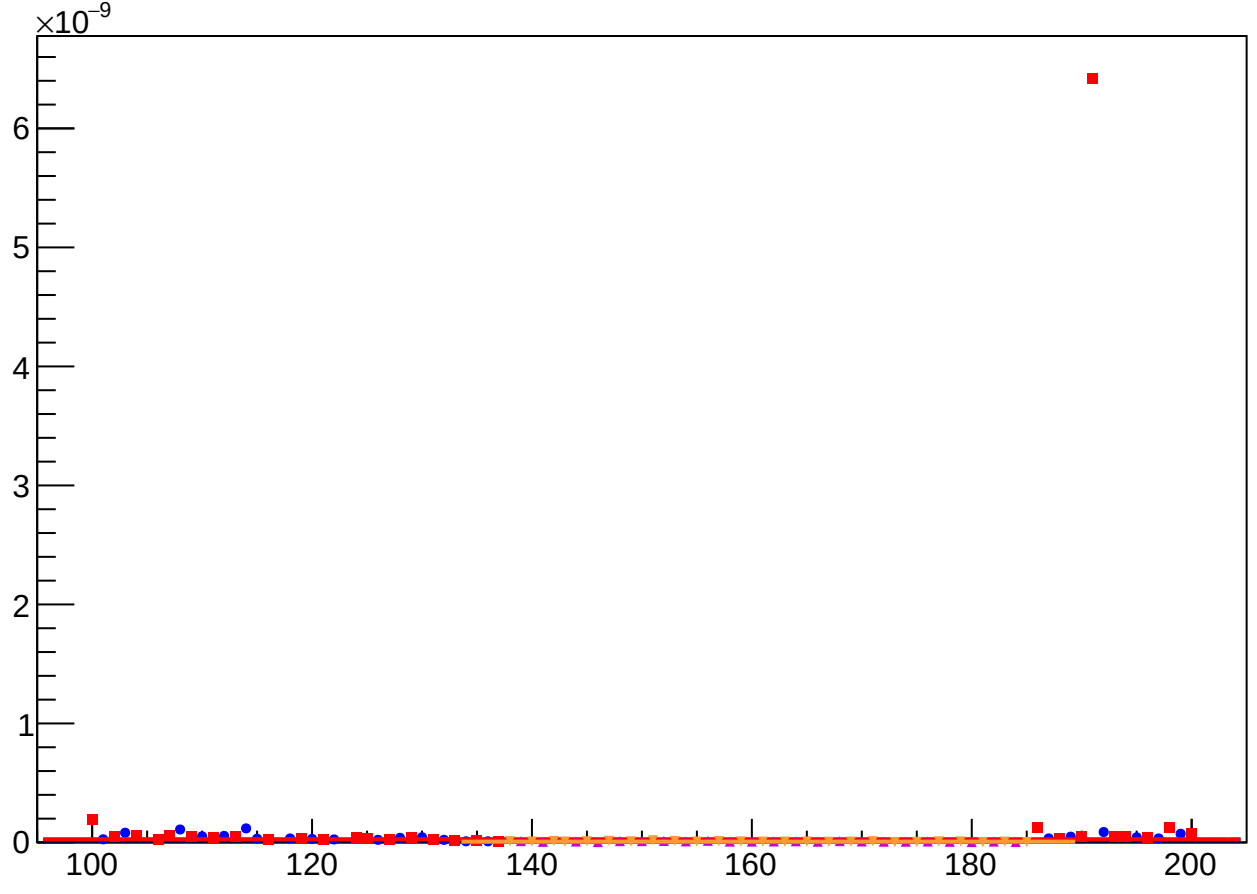
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/46

All: 0.000+/-0.000 χ^2/NDF: 110.8/97

- sign 0.000+/-0.000 χ^2/NDF: 45.8/50

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3774205.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

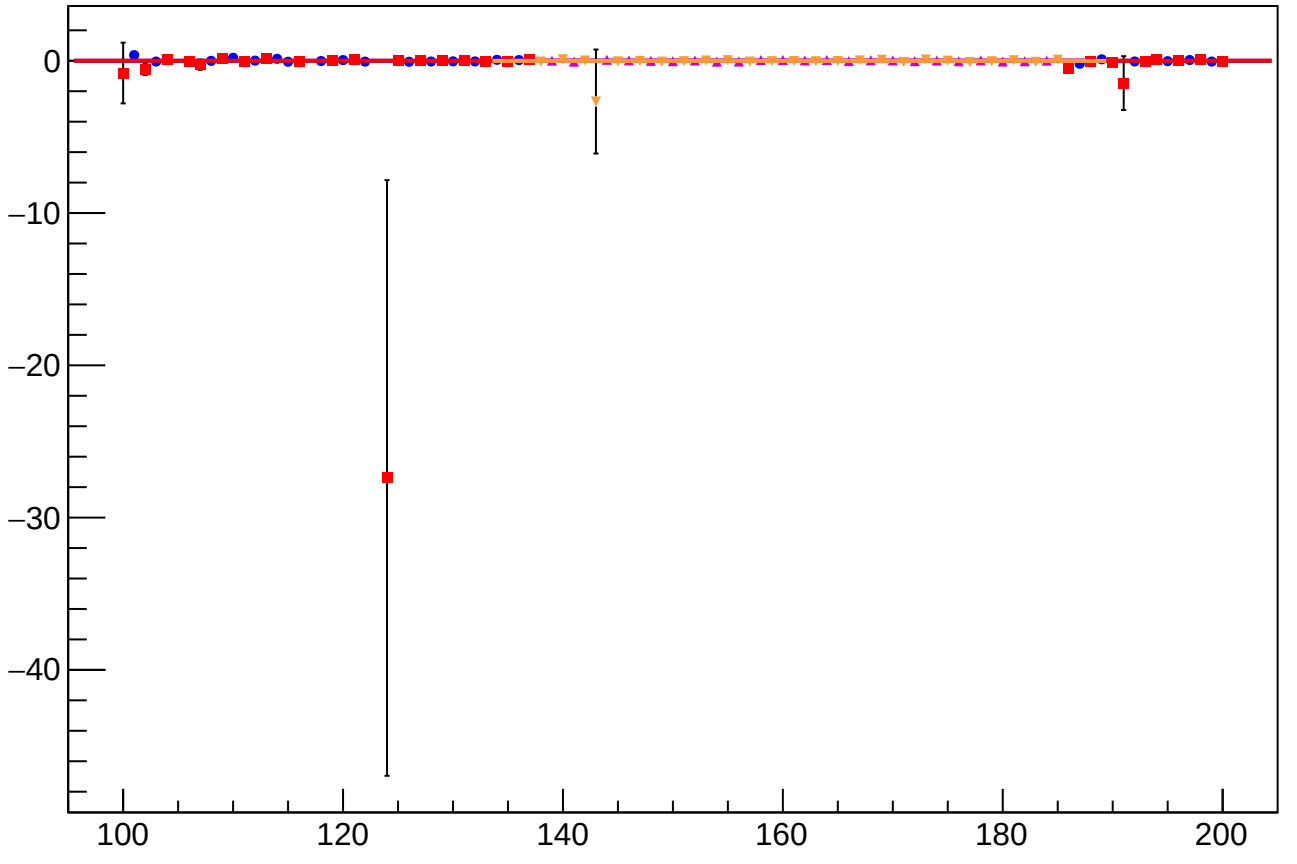
Right Out: 0.000+/-0.000 χ^2/NDF: 2943070.0/27

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7632907.7/46

All: 0.000+/-0.000 χ^2/NDF: 15885793.5/97

- sign 0.000+/-0.000 χ^2/NDF: 8249188.4/50



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/27

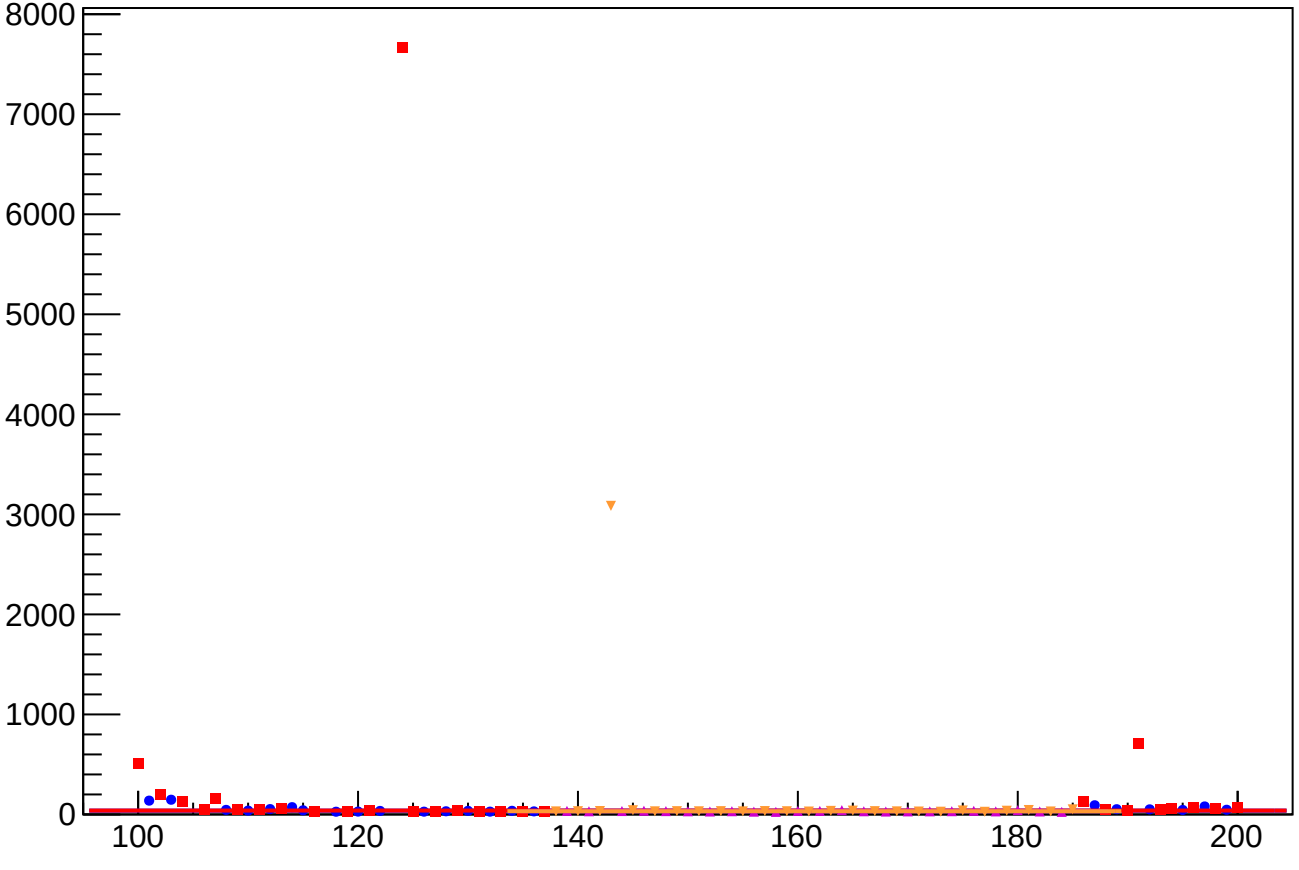
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.8/97

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

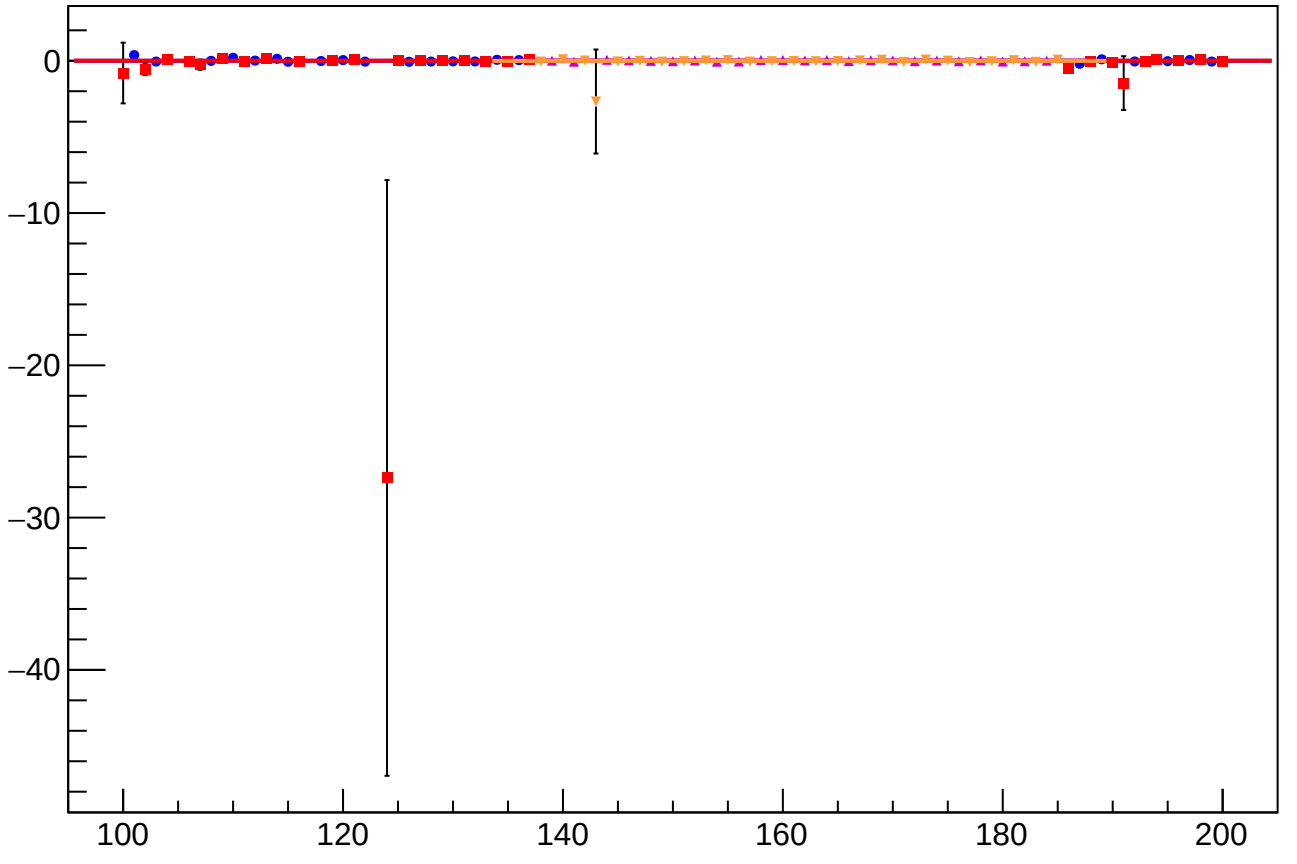
Right Out: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022413.9/46

All: 34.115+/-0.003 χ^2/NDF: 9959794.7/97

- sign 34.361+/-0.005 χ^2/NDF: 4932394.7/50



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/27

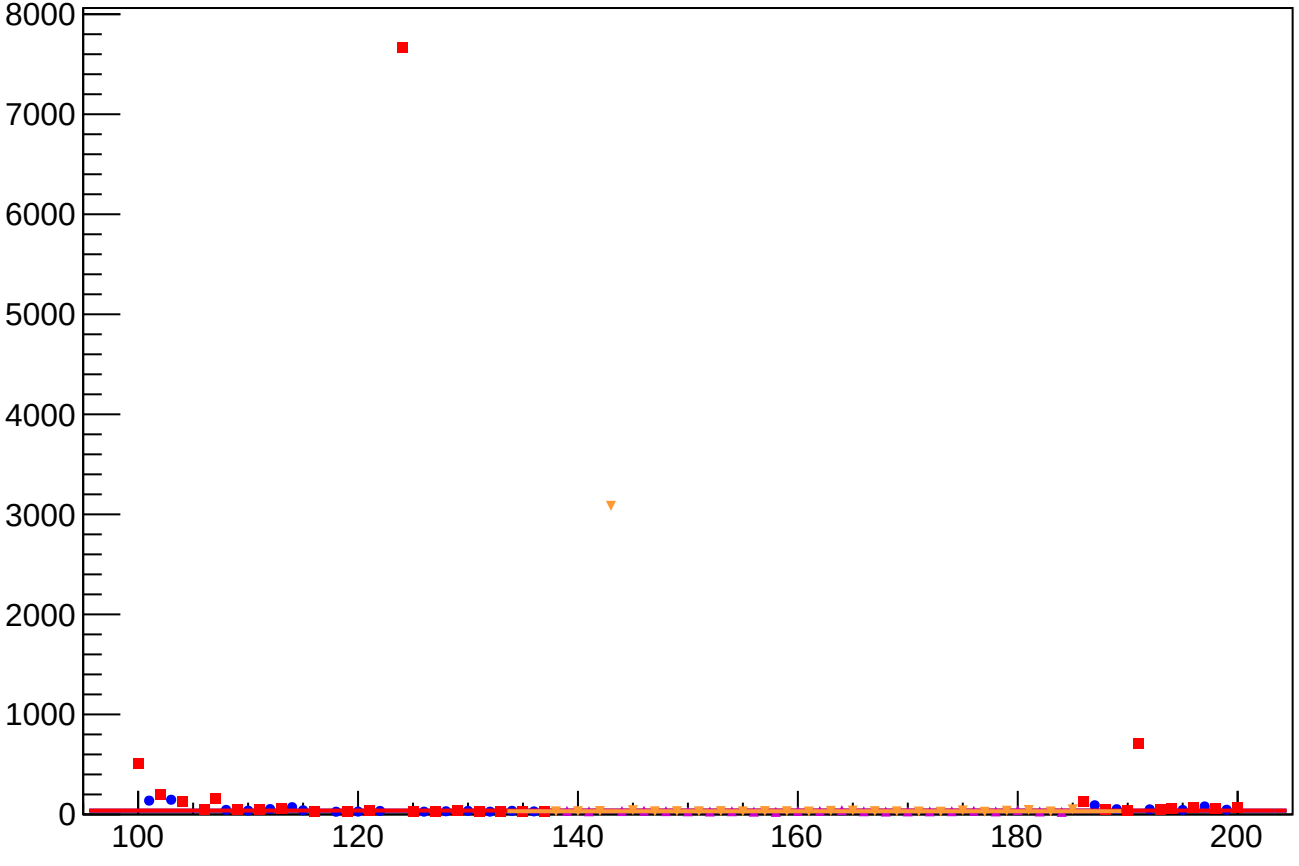
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.8/97

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

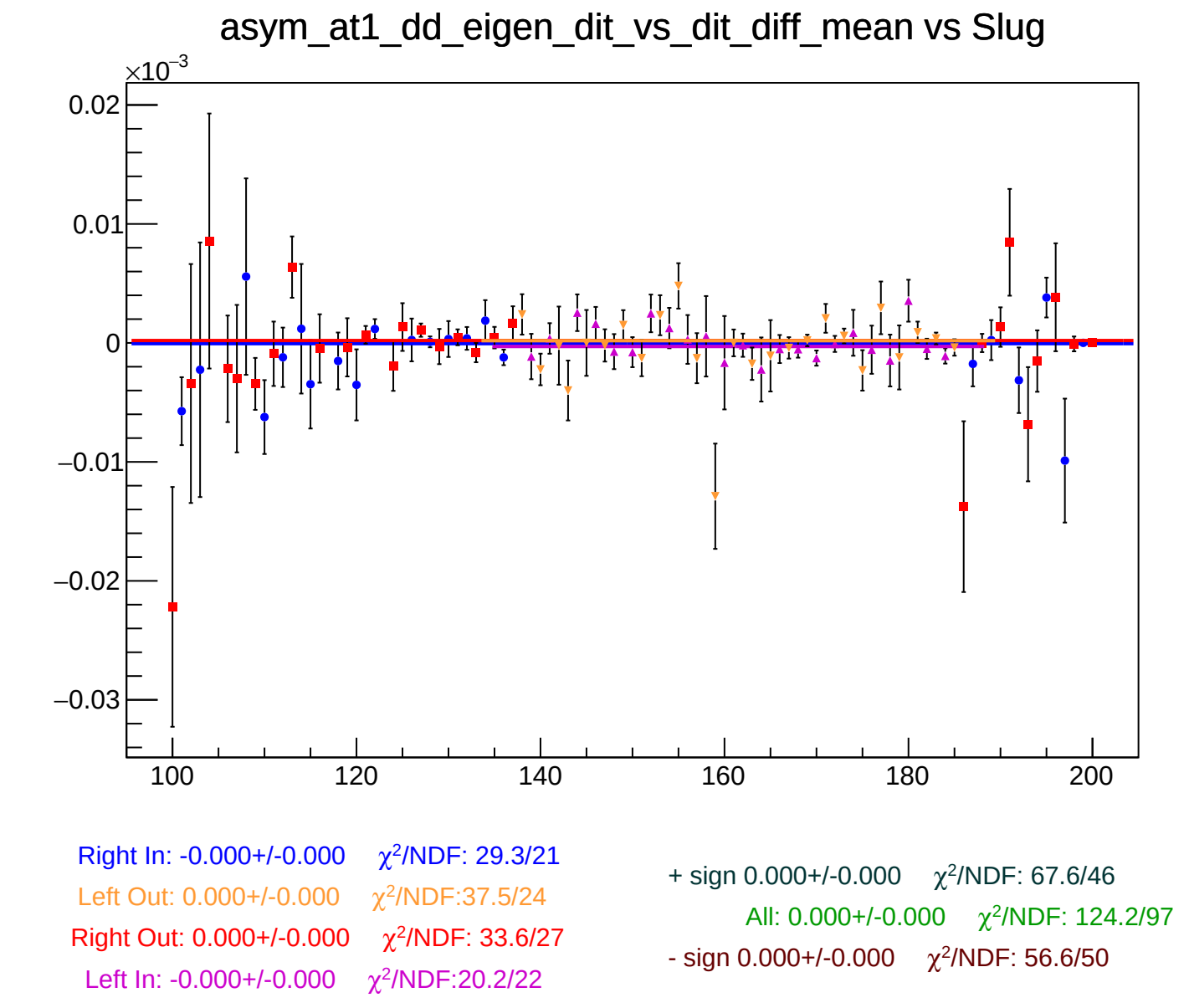
Right Out: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

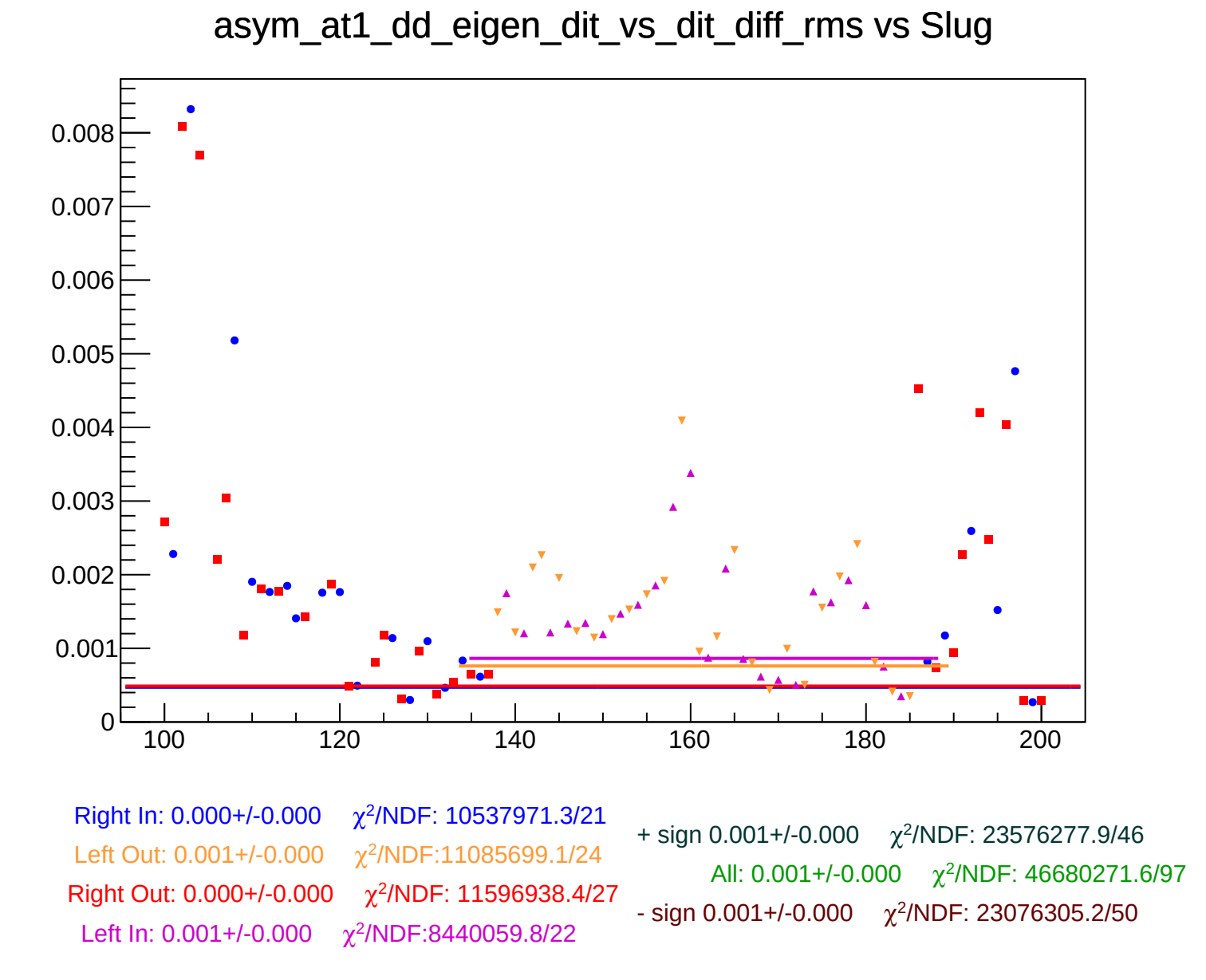
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

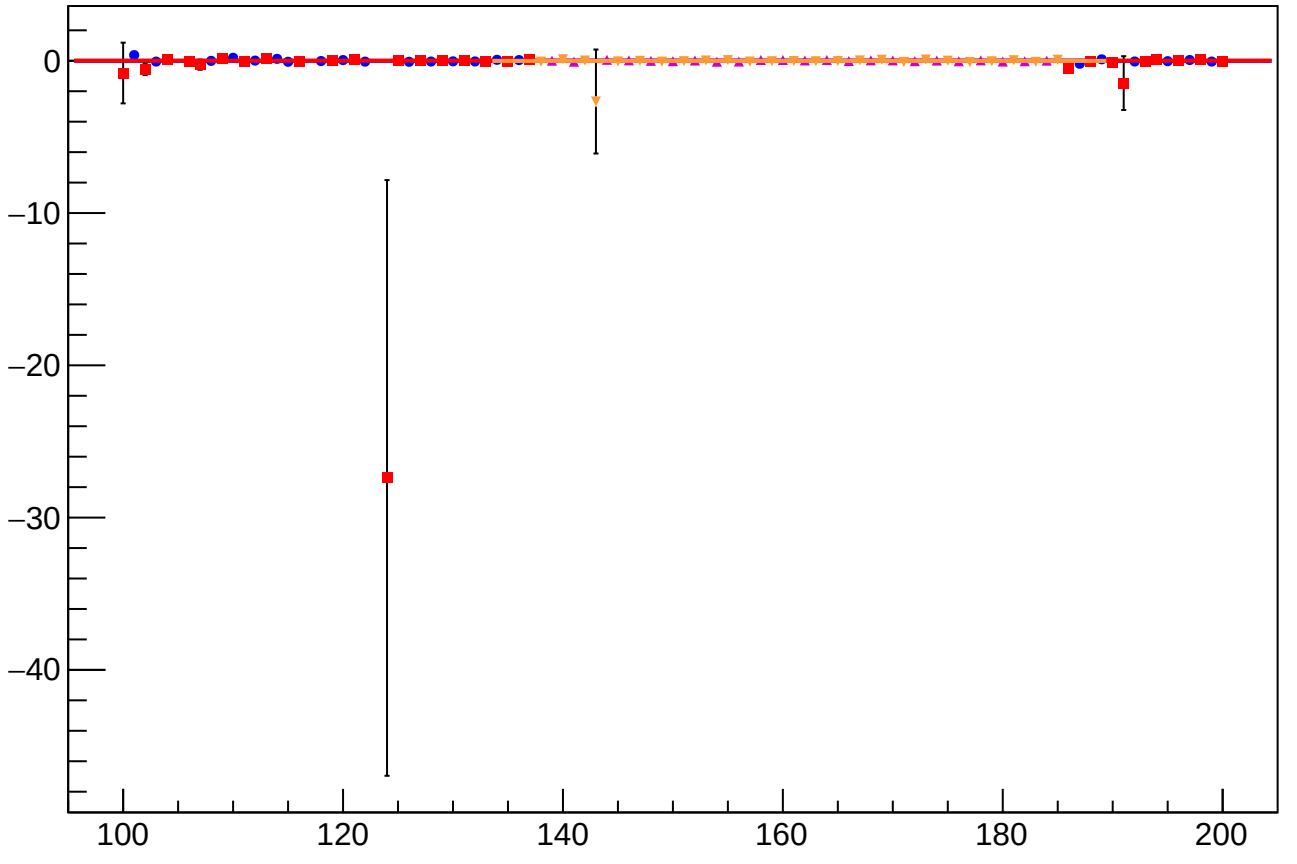
+ sign 33.869+/-0.005 χ^2/NDF: 5022413.9/46

All: 34.115+/-0.003 χ^2/NDF: 9959794.7/97

- sign 34.361+/-0.005 χ^2/NDF: 4932394.7/50


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.3/21
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.6/27
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 67.6/46
All: 0.000+/-0.000 χ²/NDF: 124.2/97
- sign 0.000+/-0.000 χ²/NDF: 56.6/50


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
200
Right In: 0.000+/-0.000 χ²/NDF: 10537971.3/21
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 11596938.4/27
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 23576277.9/46
All: 0.001+/-0.000 χ²/NDF: 46680271.6/97
- sign 0.001+/-0.000 χ²/NDF: 23076305.2/50



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/27

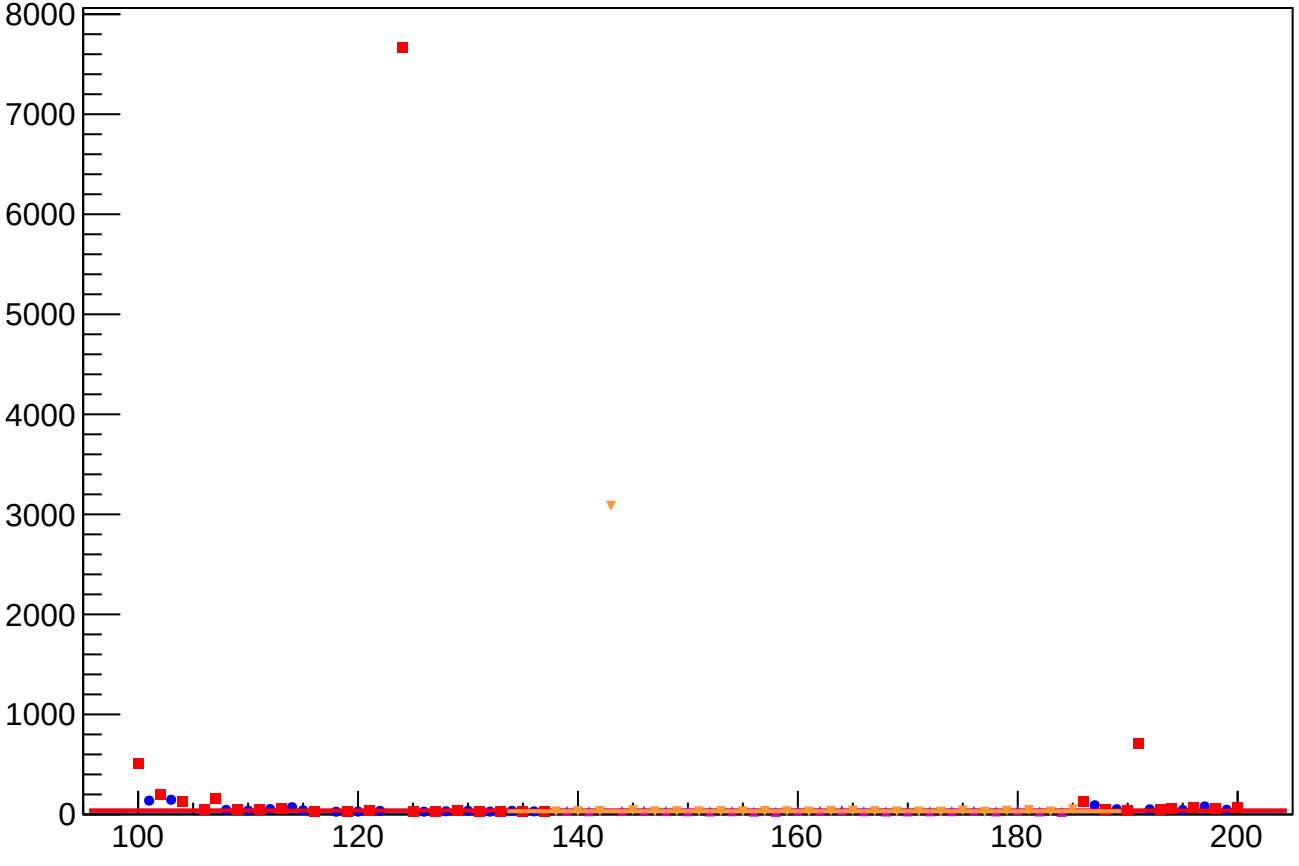
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.8/97

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

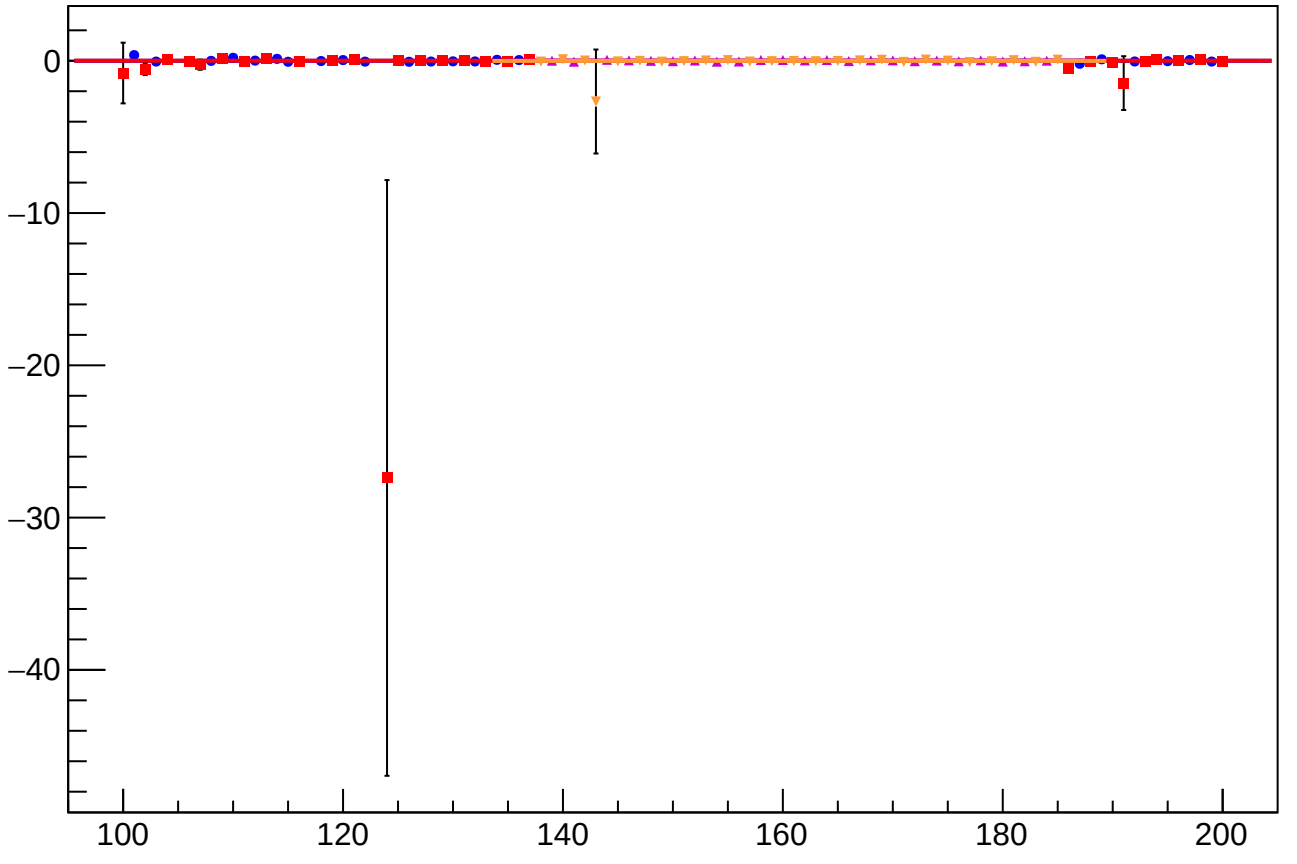
Right Out: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022425.8/46

All: 34.115+/-0.003 χ^2/NDF: 9959679.8/97

- sign 34.361+/-0.005 χ^2/NDF: 4932263.2/50



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/27

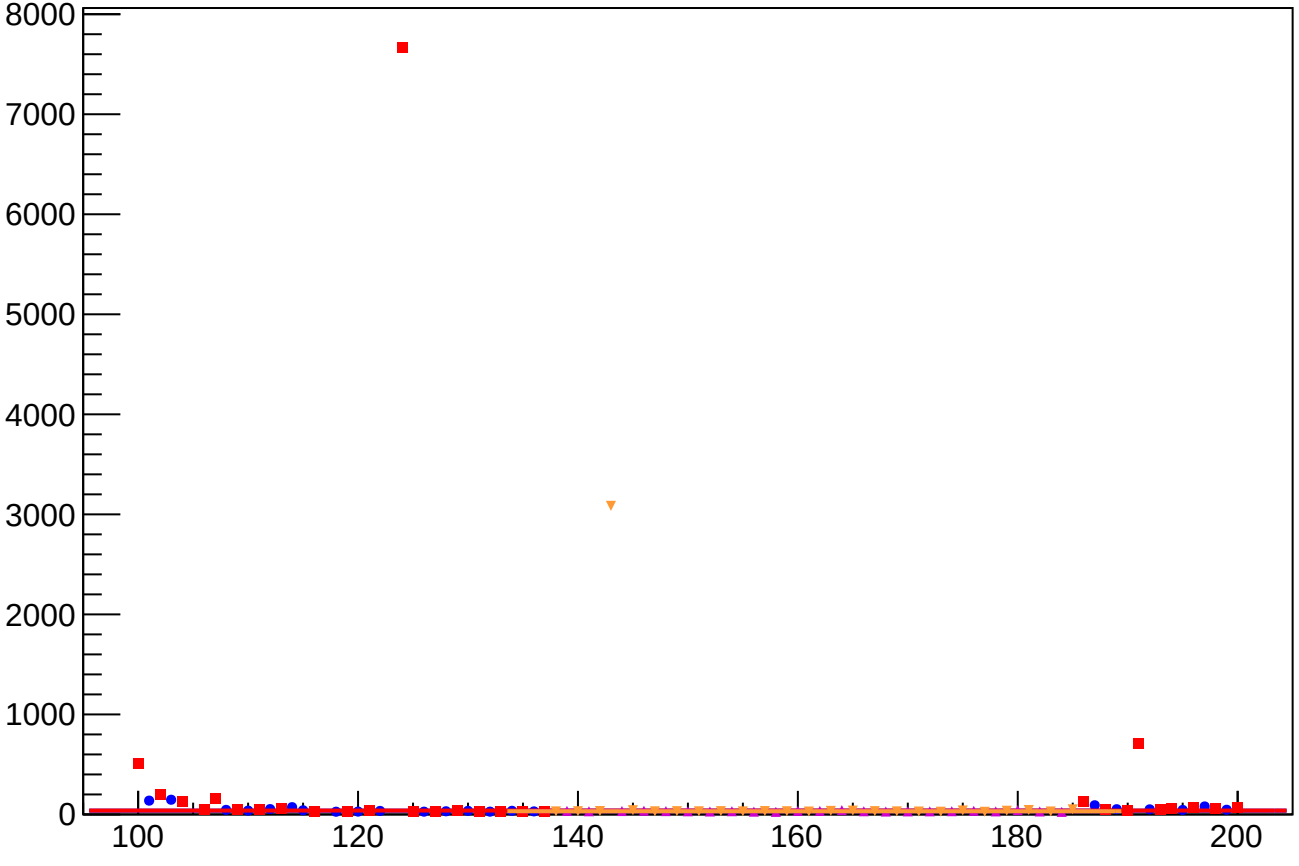
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.8/97

\- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

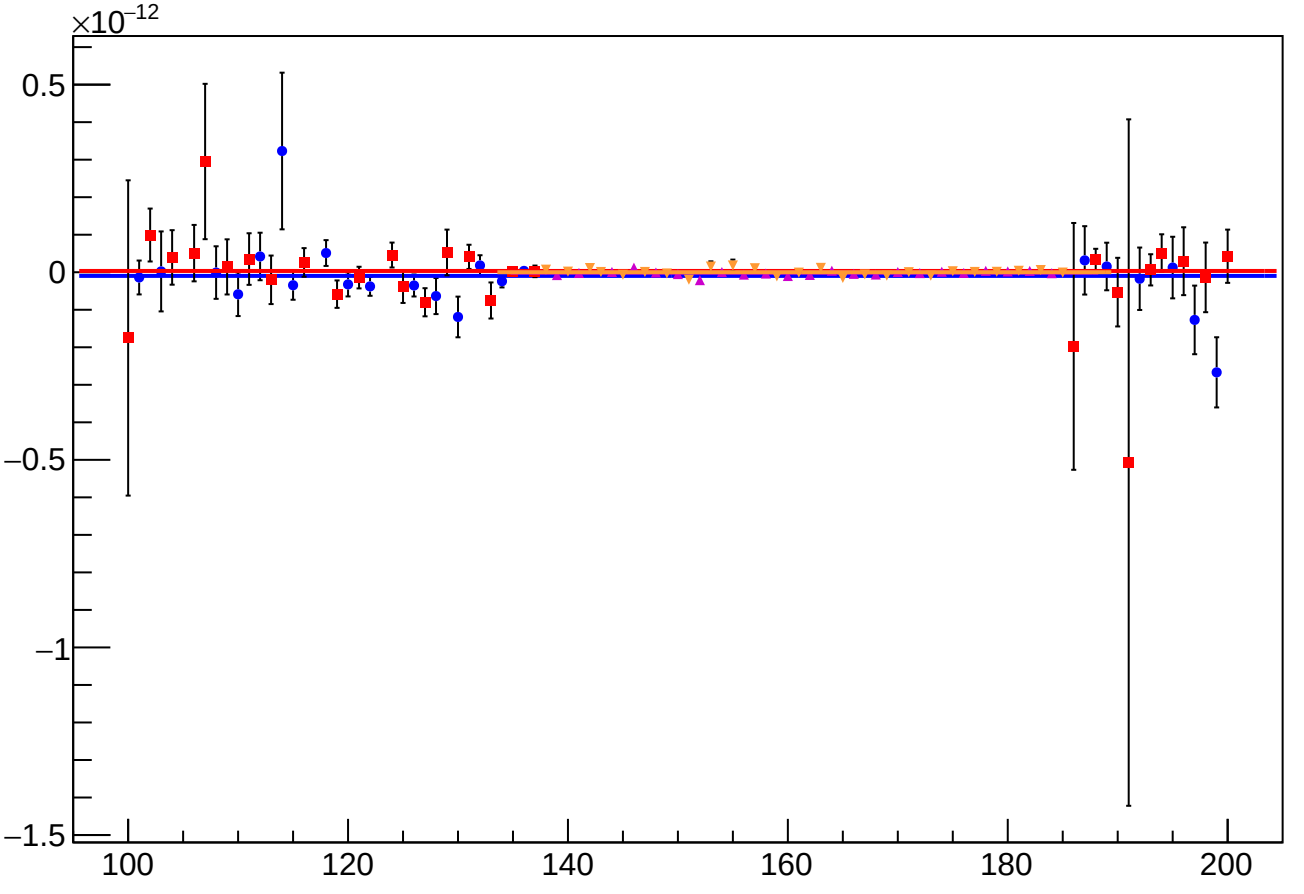
Right Out: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022425.8/46

All: 34.115+/-0.003 χ^2/NDF: 9959679.8/97

- sign 34.361+/-0.005 χ^2/NDF: 4932263.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

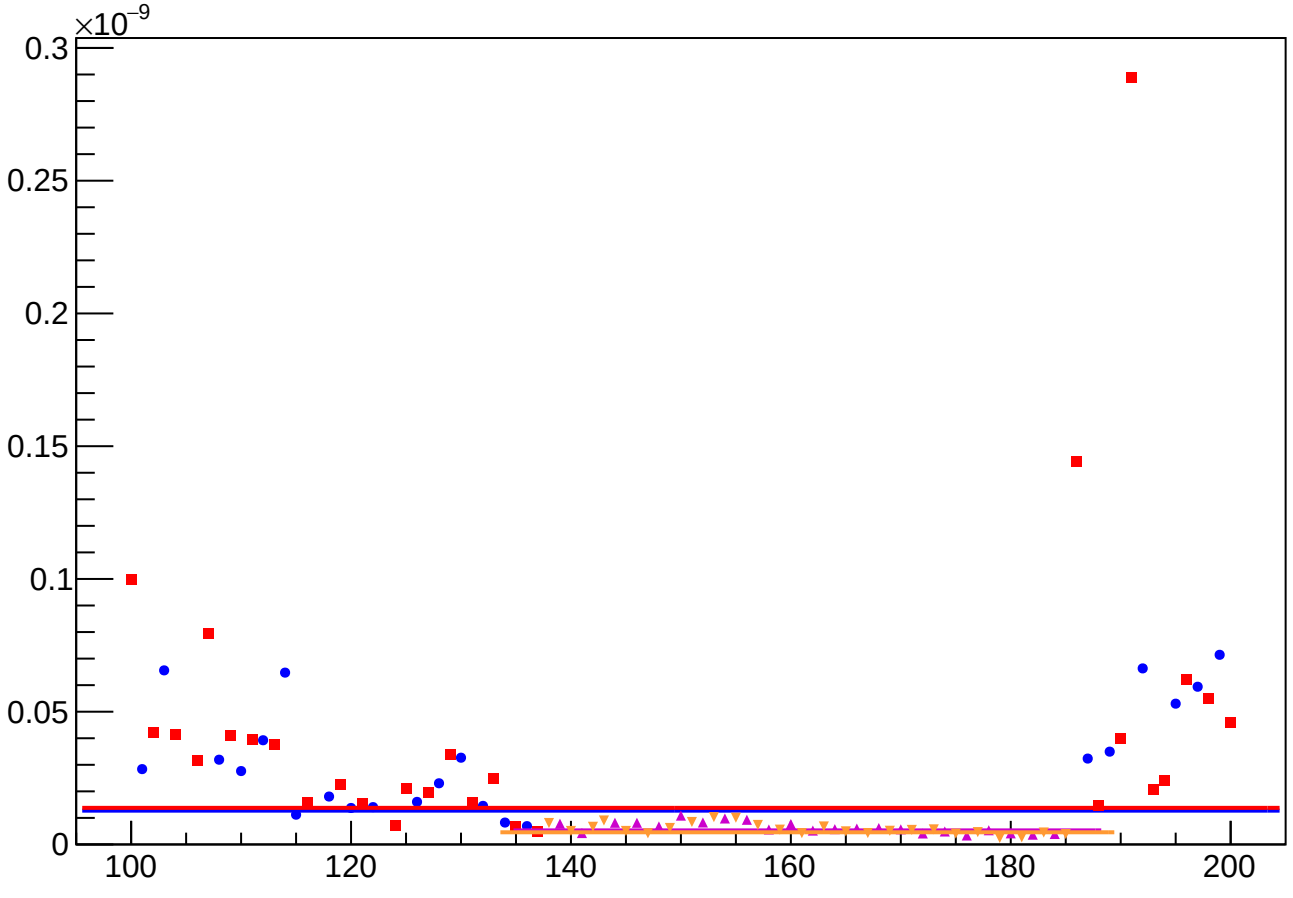
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/27

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.3/46

All: -0.000+/-0.000 χ^2/NDF: 86.2/97

- sign -0.000+/-0.000 χ^2/NDF: 33.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 5866886.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6031842.6/27

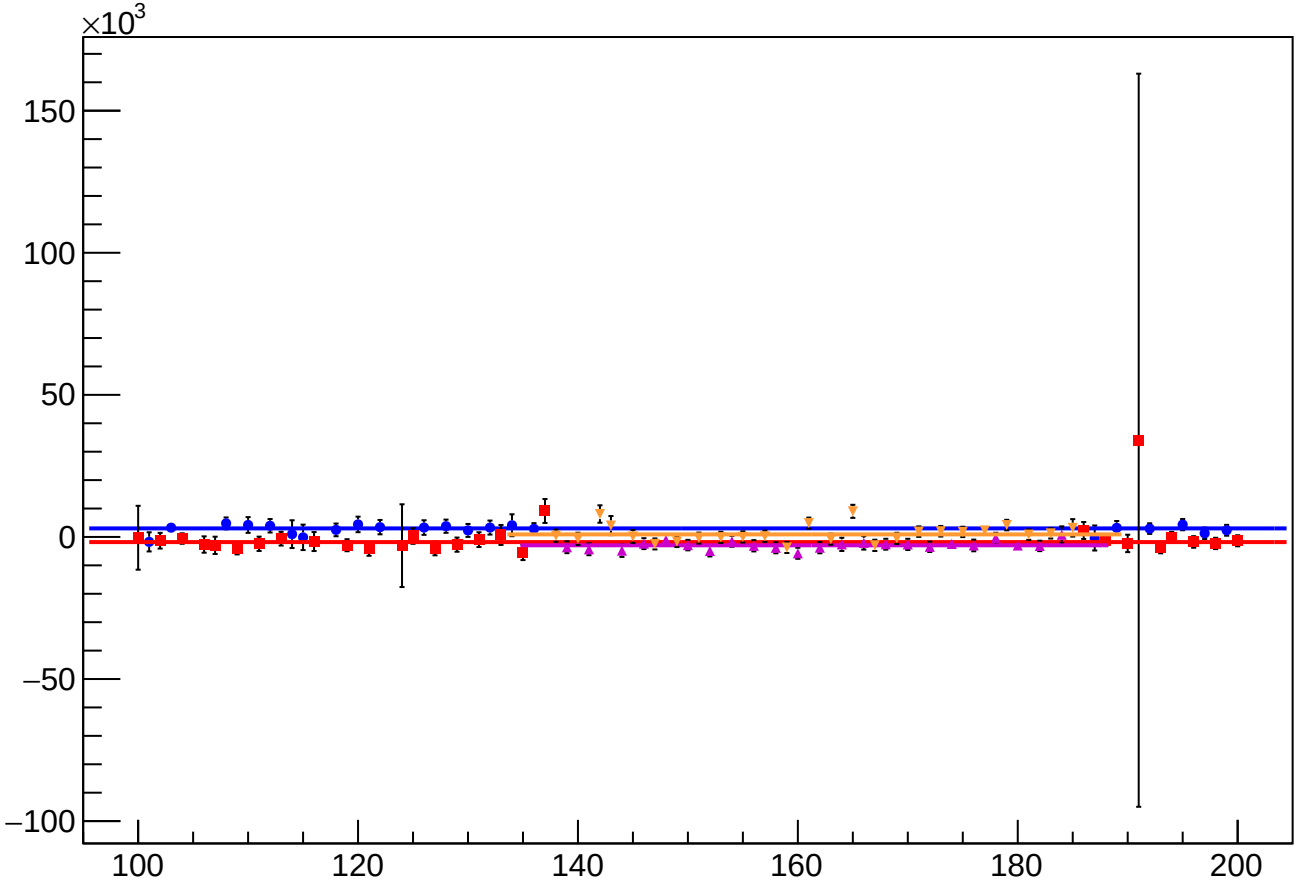
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11854486.5/46

All: 0.000+/-0.000 χ^2/NDF: 23330807.4/97

- sign 0.000+/-0.000 χ^2/NDF: 11218274.0/50

reg_asym_at2_avg_mean vs Slug



Right In: 3007.774+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.071+/-480.560 χ^2/NDF: 18.0/27

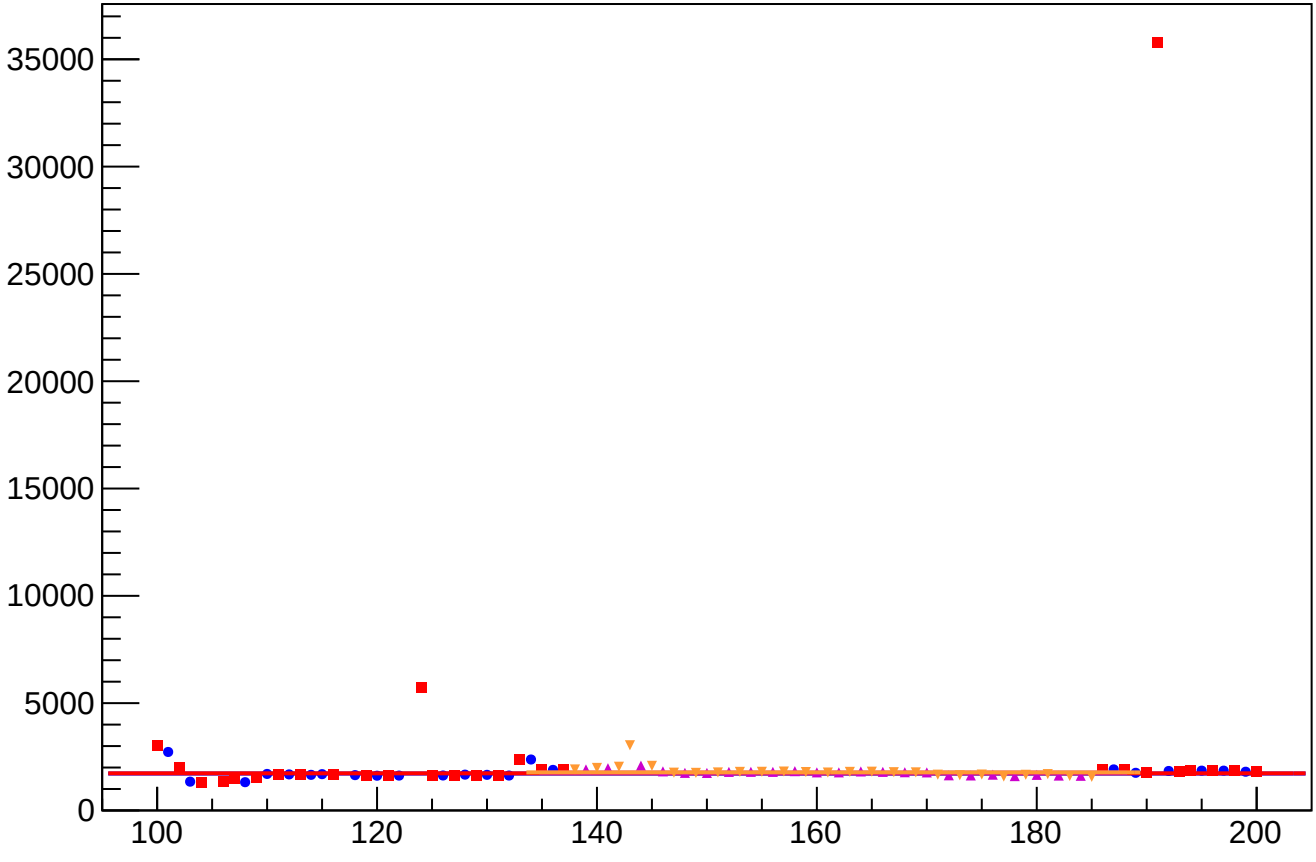
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.626+/-317.812 χ^2/NDF: 62.0/46

All: -408.554+/-222.939 χ^2/NDF: 181.4/97

- sign -2463.544+/-312.815 χ^2/NDF: 31.7/50

reg_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.3/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1730.171+/-0.340 χ^2/NDF: 664798.6/27

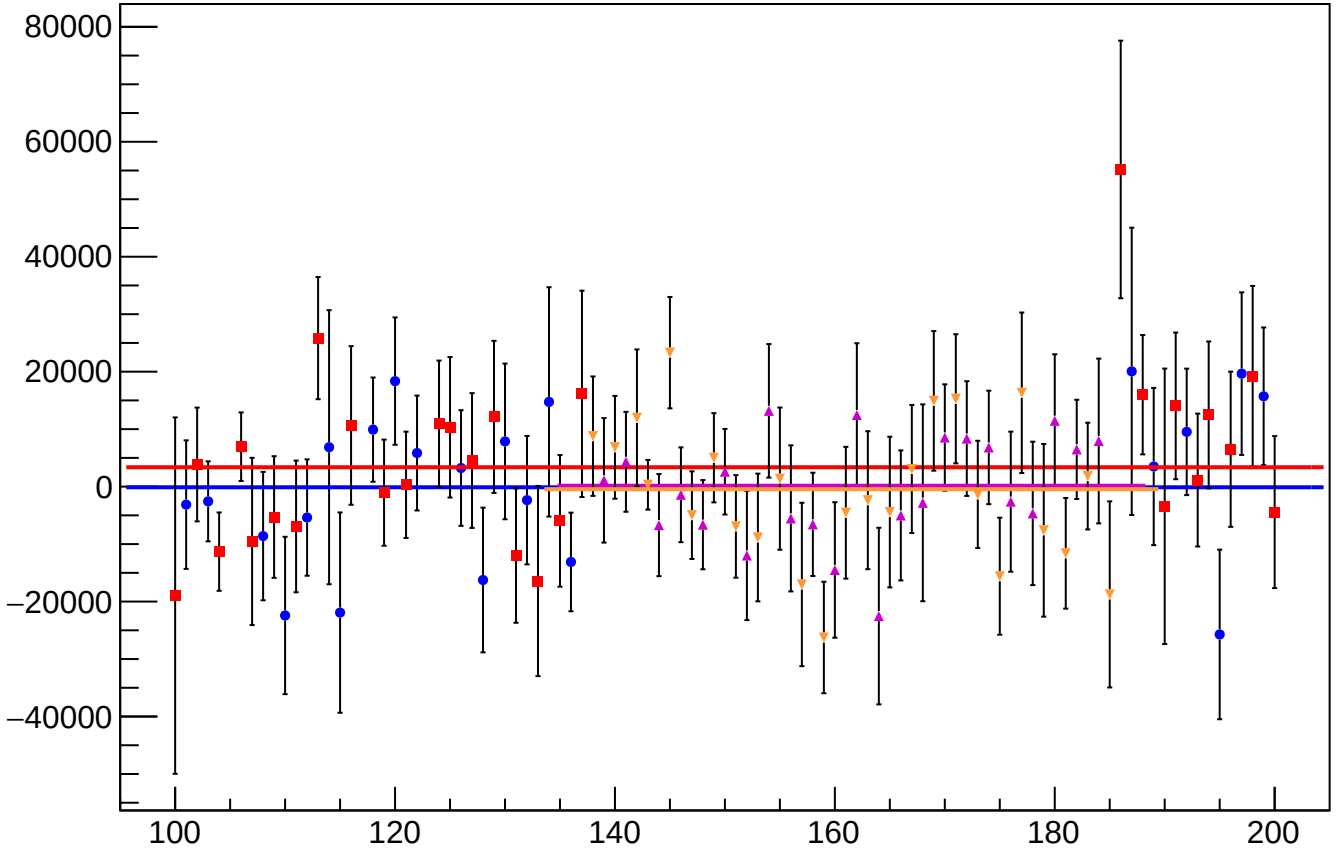
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.4/46

All: 1750.550+/-0.158 χ^2/NDF: 1744301.8/97

- sign 1747.988+/-0.221 χ^2/NDF: 815835.9/50

asym_at2_avg_reg_correction_mean vs Slug



Right In: -113.486+/-2464.628 χ^2/NDF: 22.9/21

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3373.660+/-2144.796 χ^2/NDF: 28.0/27

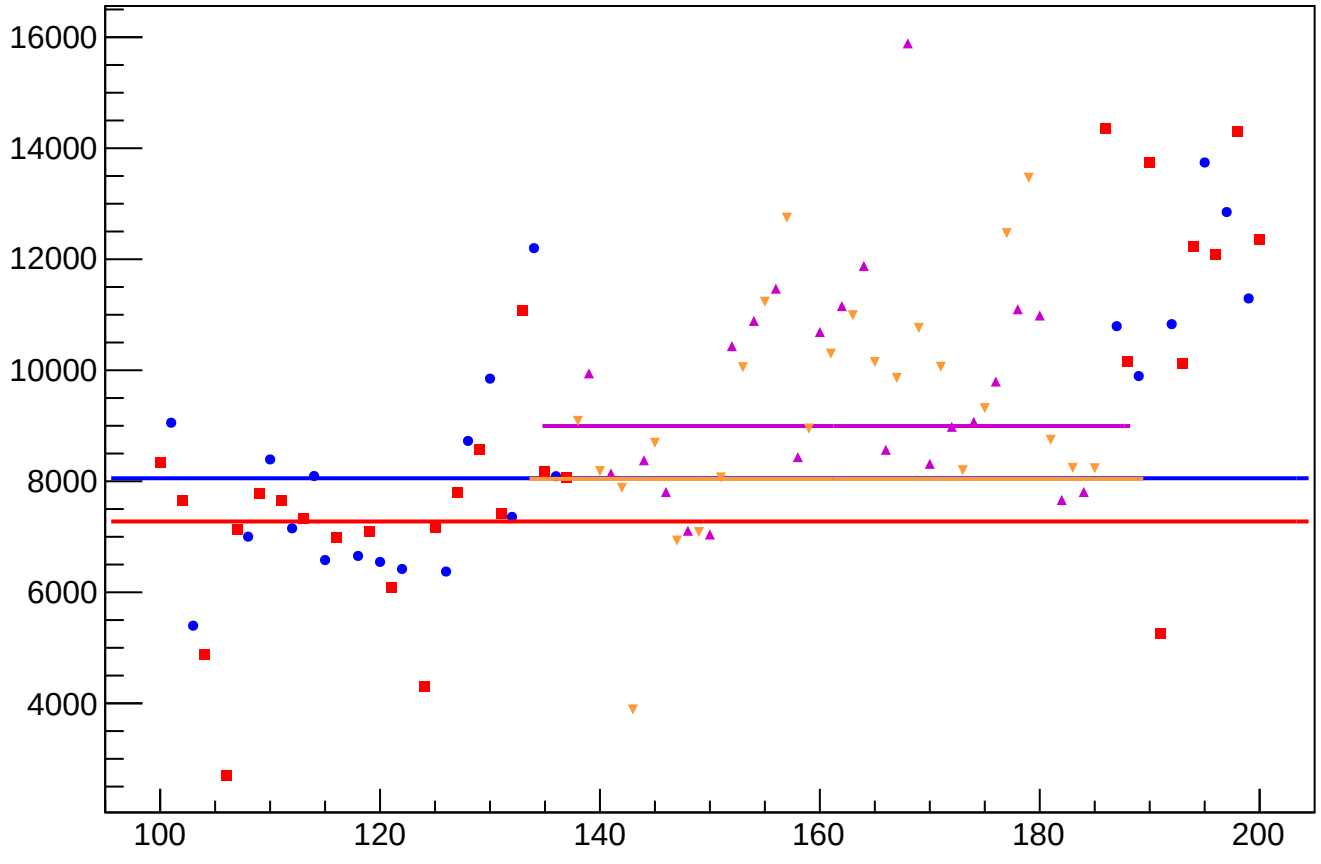
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -318.314+/-1517.389 χ^2/NDF: 52.4/46

All: 723.444+/-1072.513 χ^2/NDF: 96.3/97

- sign 1763.483+/-1516.137 χ^2/NDF: 43.0/50

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8054.706+/-1.743 χ^2/NDF: 1546423.4/21

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7275.840+/-1.517 χ^2/NDF: 3681646.1/27

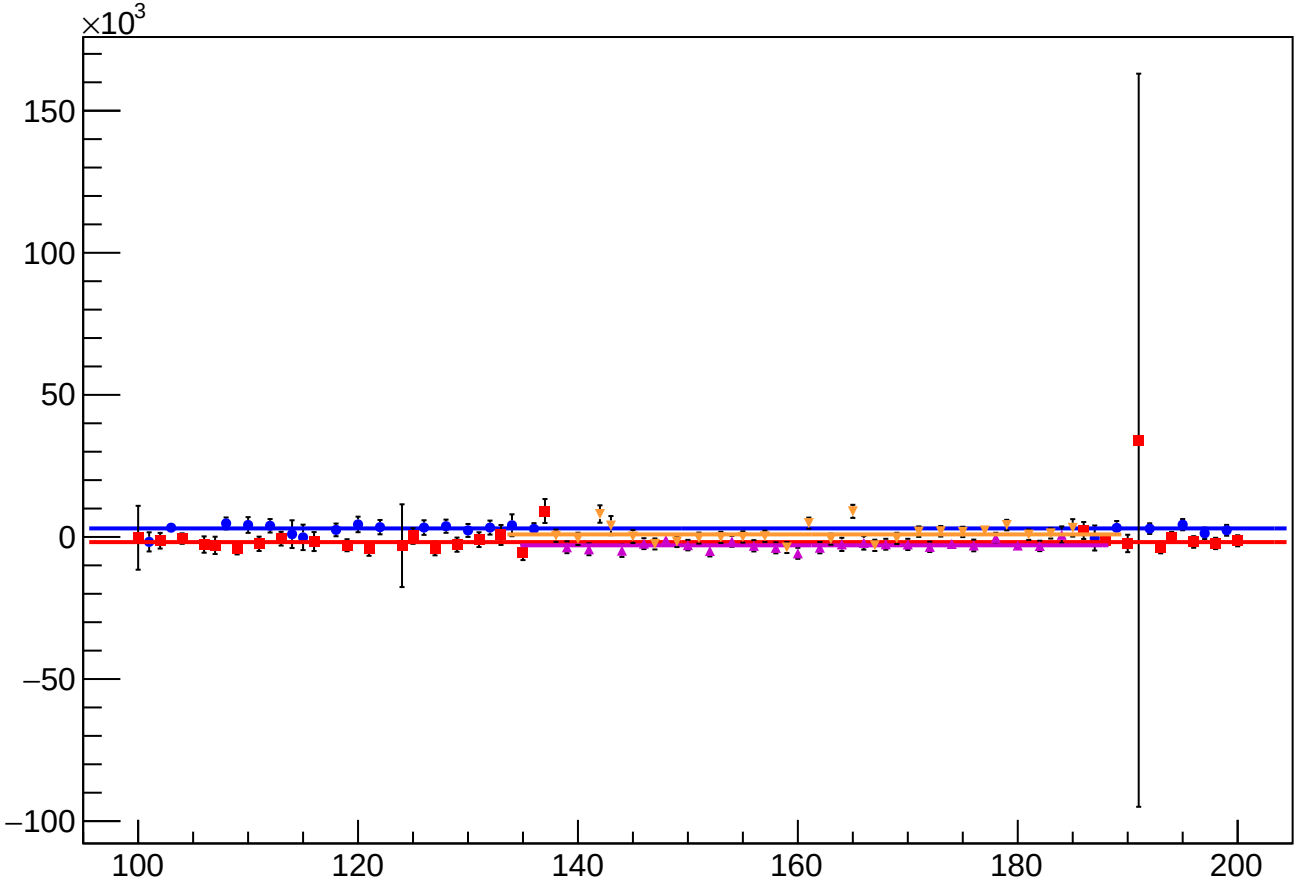
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8047.955+/-1.073 χ^2/NDF: 4909286.1/46

All: 8092.142+/-0.758 χ^2/NDF: 10444797.5/9

- sign 8136.255+/-1.072 χ^2/NDF: 5532122.3/50

cor_asym_at2_avg_mean vs Slug



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1810.978+/-480.560 χ^2/NDF: 18.0/27

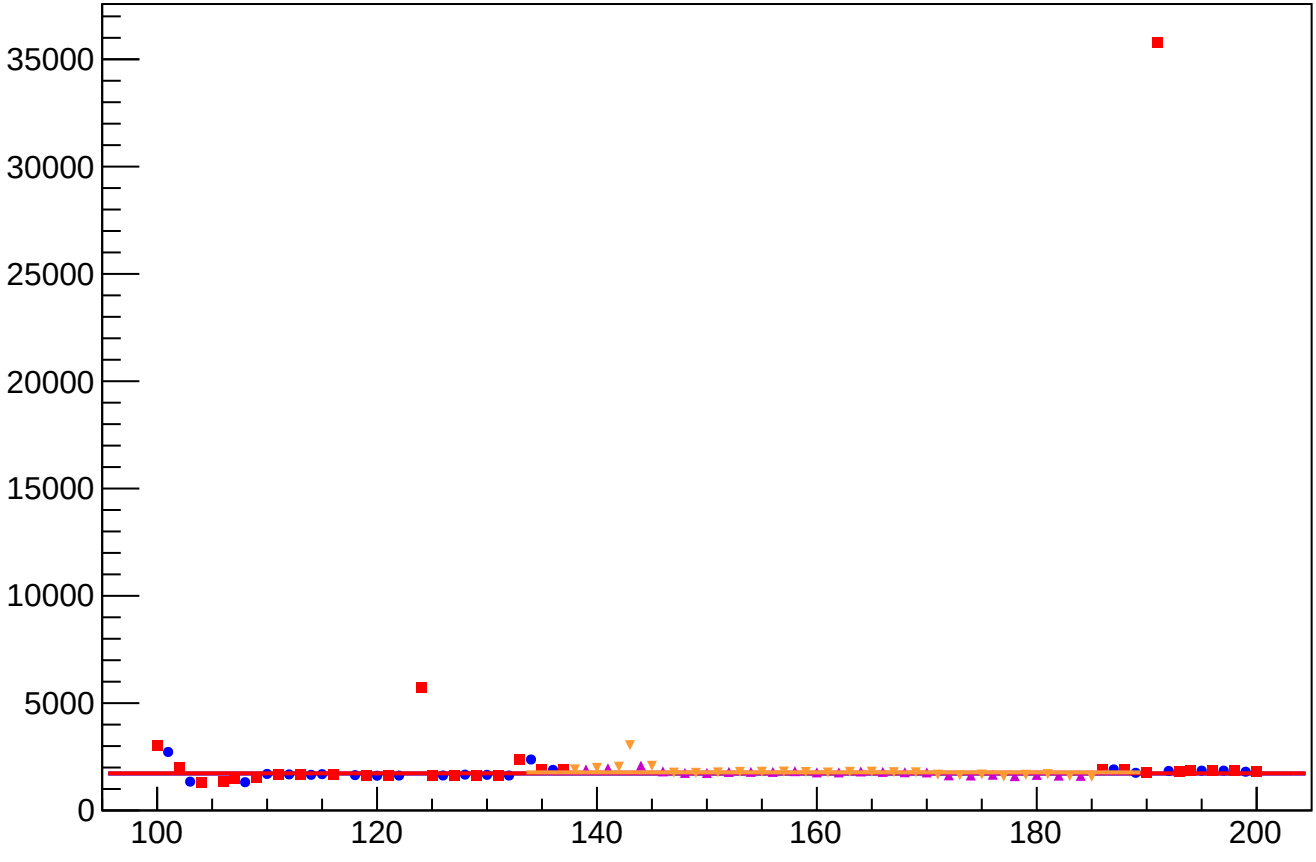
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.609+/-317.812 χ^2/NDF: 62.0/46

All: -408.509+/-222.939 χ^2/NDF: 181.4/97

- sign -2463.439+/-312.815 χ^2/NDF: 31.7/50

cor_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

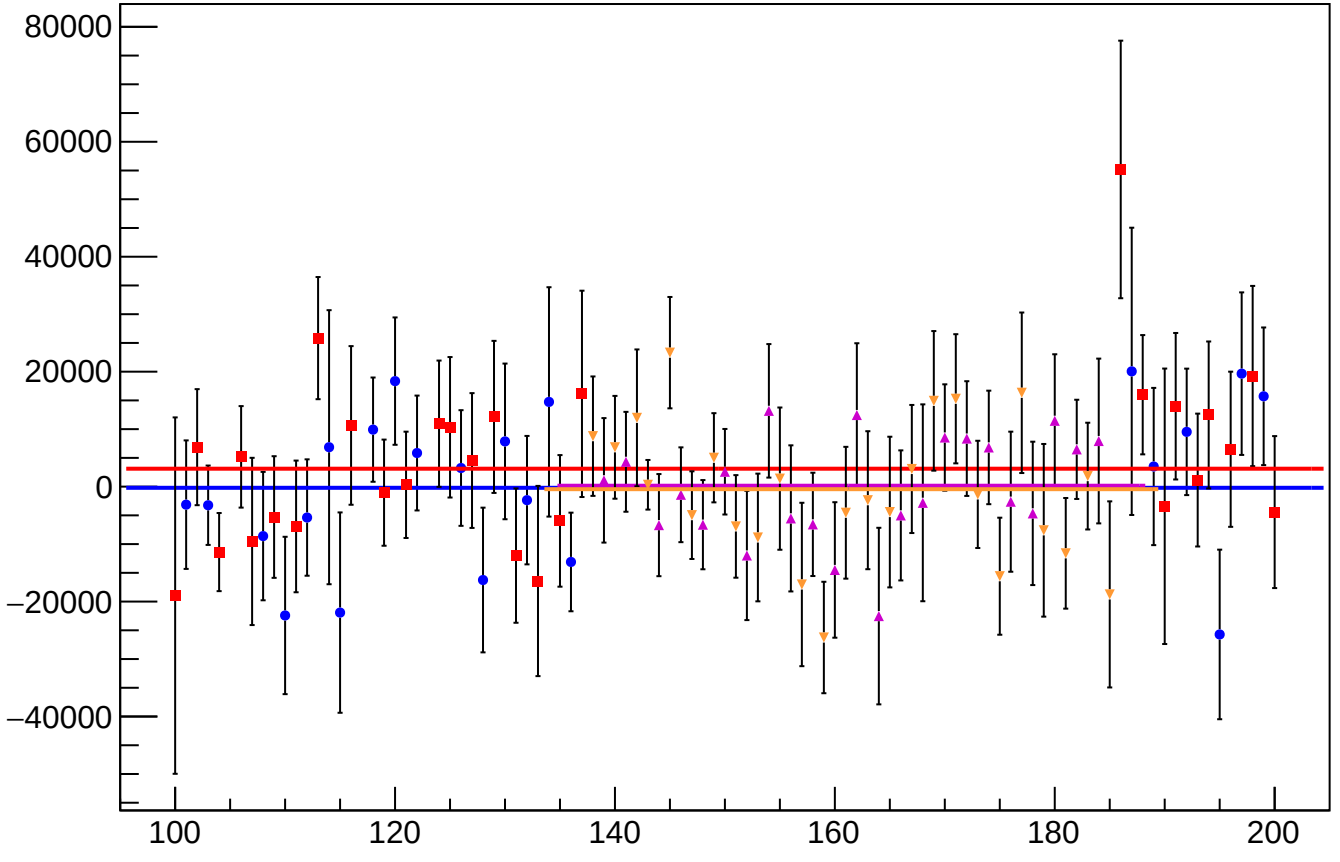
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.9/46

All: 1750.549+/-0.158 χ^2/NDF: 1744302.5/97

- sign 1747.988+/-0.221 χ^2/NDF: 815836.1/50

asym_at2_avg_cor_correction_mean vs Slug



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3117.613+/-2225.786 χ^2/NDF: 27.9/27

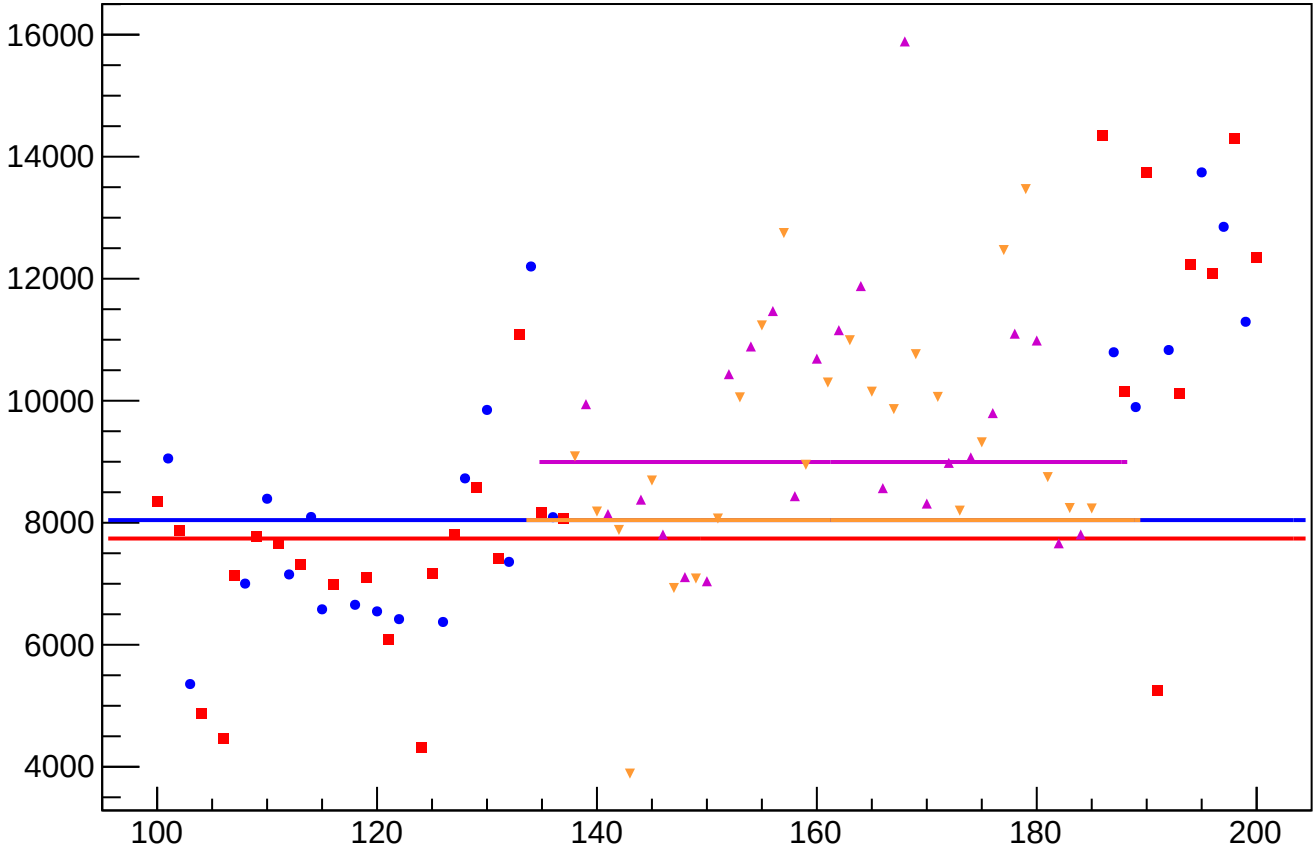
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -352.966+/-1516.767 χ^2/NDF: 52.5/46

All: 596.669+/-1081.998 χ^2/NDF: 95.9/97

- sign 1580.647+/-1543.949 χ^2/NDF: 42.6/50

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8043.590+/-1.741 χ^2/NDF: 1560866.6/21

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7741.572+/-1.574 χ^2/NDF: 2627159.7/27

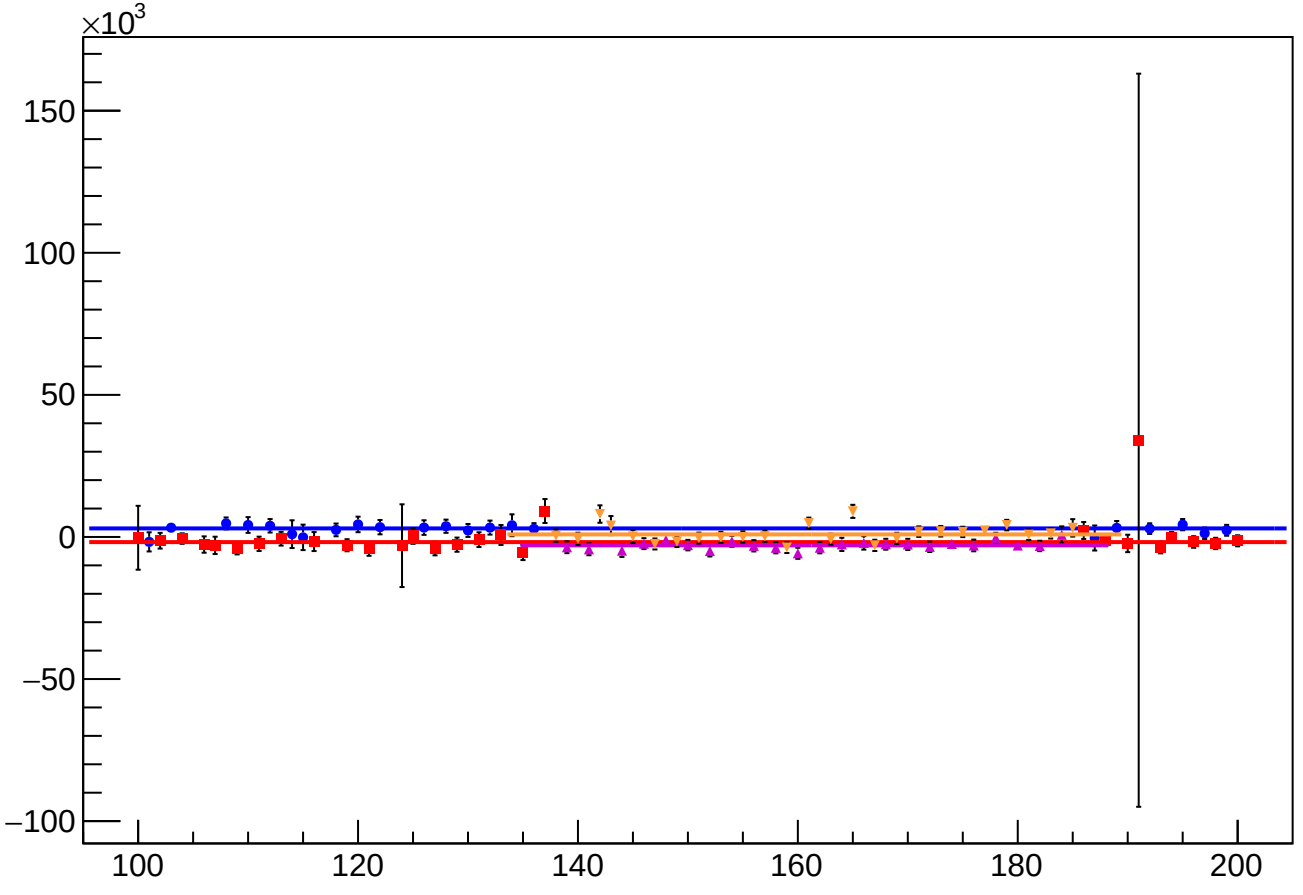
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8043.726+/-1.073 χ^2/NDF: 4923782.3/46

All: 8214.871+/-0.765 χ^2/NDF: 9139322.6/97

- sign 8392.205+/-1.092 χ^2/NDF: 4163691.9/50

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1810.978+/-480.560 χ^2/NDF: 18.0/27

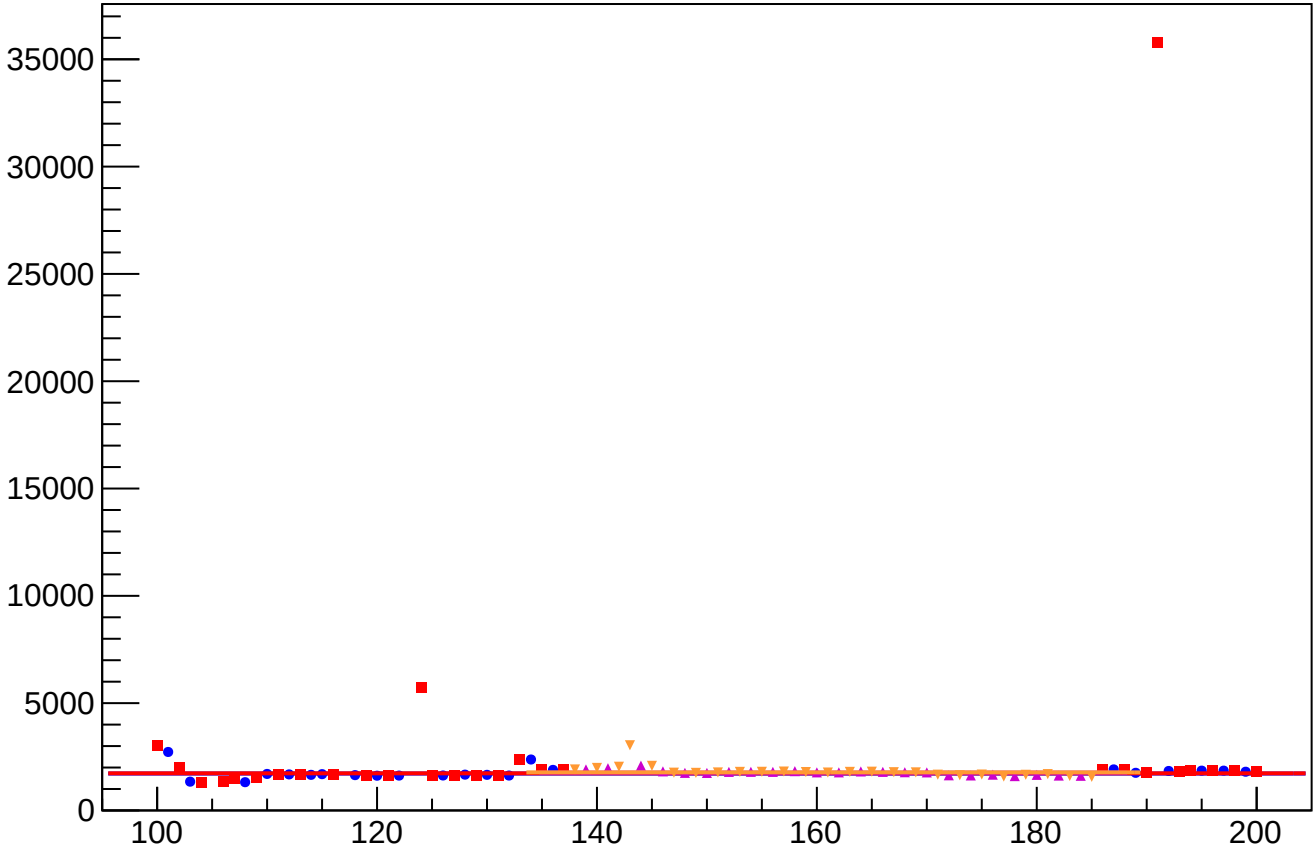
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.609+/-317.812 χ^2/NDF: 62.0/46

All: -408.509+/-222.939 χ^2/NDF: 181.4/97

- sign -2463.439+/-312.815 χ^2/NDF: 31.7/50

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

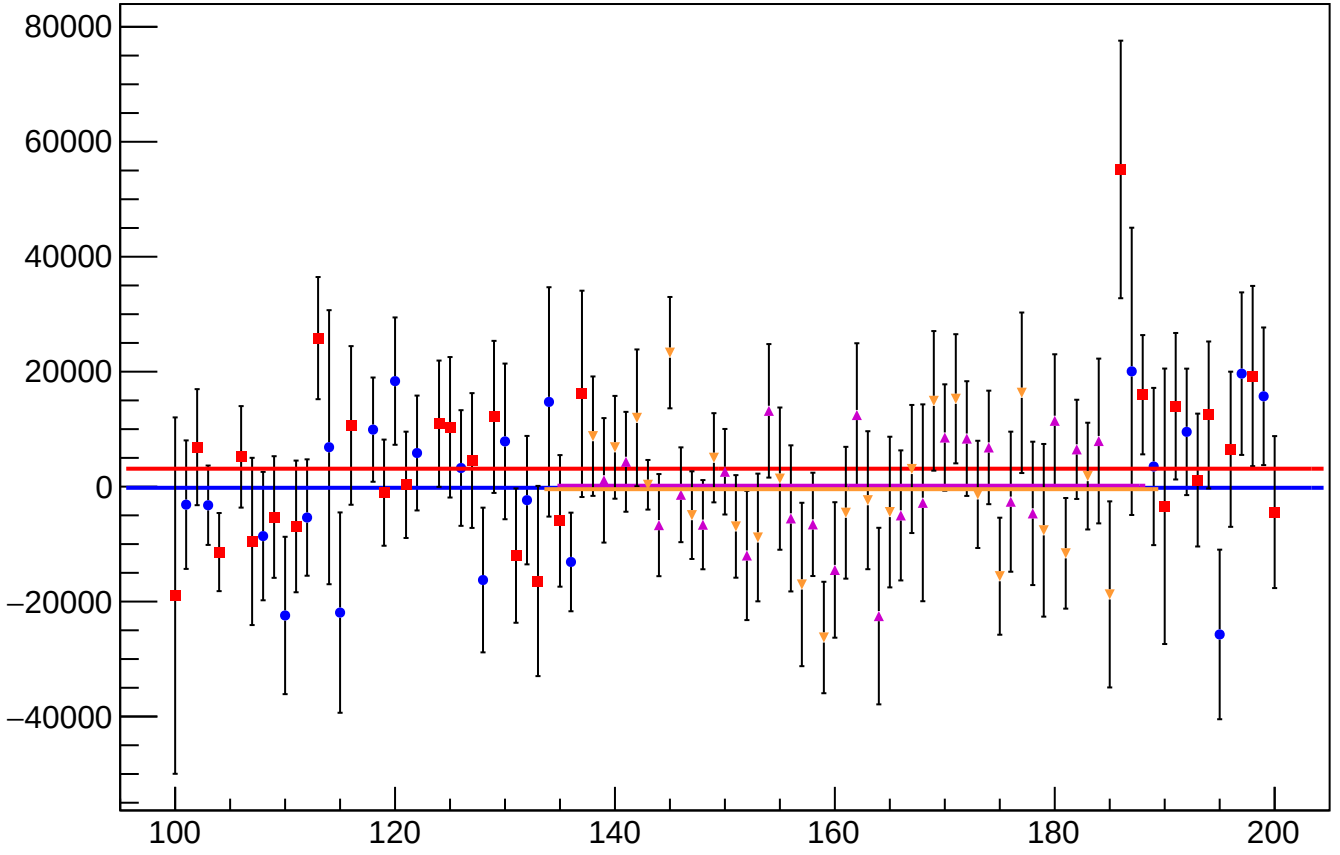
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.9/46

All: 1750.549+/-0.158 χ^2/NDF: 1744302.5/97

- sign 1747.988+/-0.221 χ^2/NDF: 815836.1/50

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3117.613+/-2225.786 χ^2/NDF: 27.9/27

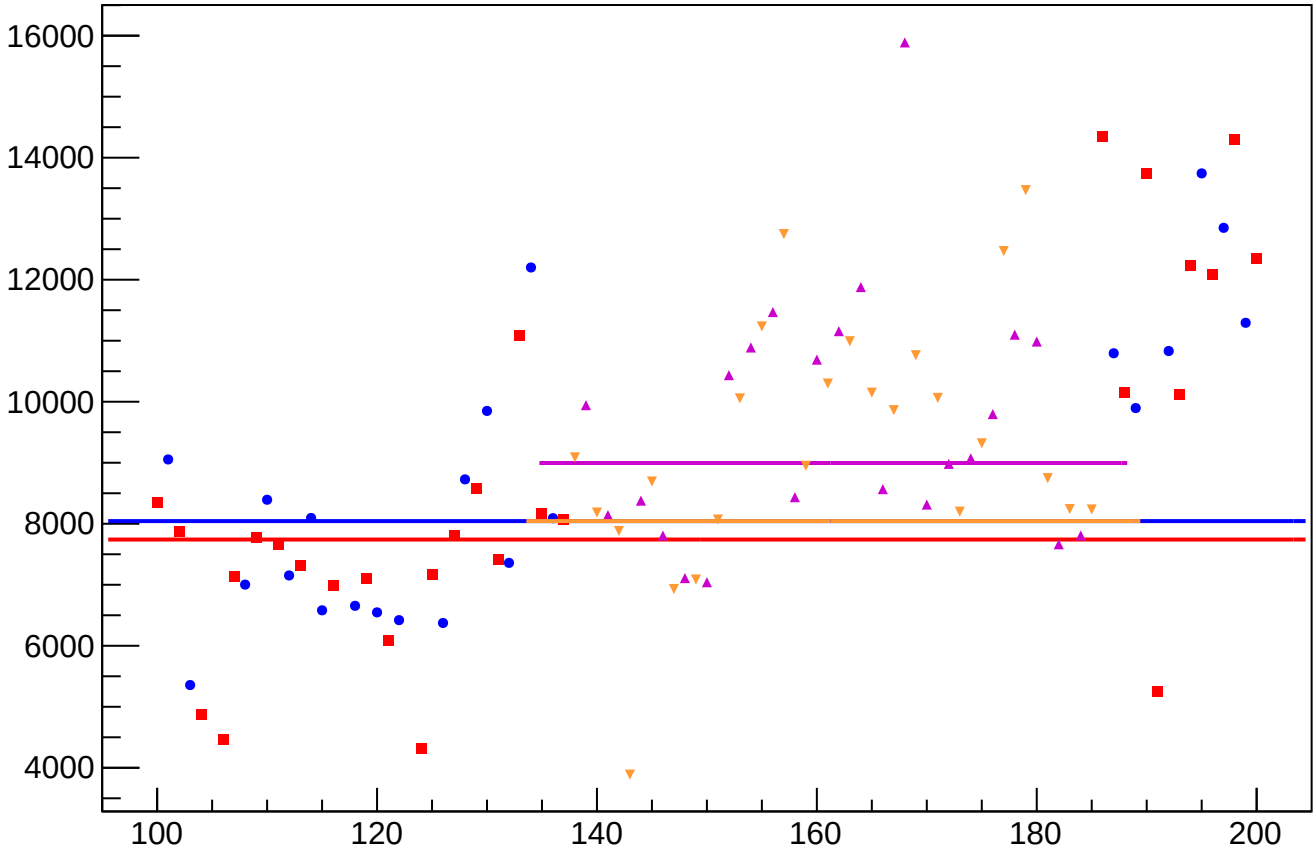
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -352.966+/-1516.767 χ^2/NDF: 52.5/46

All: 596.669+/-1081.998 χ^2/NDF: 95.9/97

- sign 1580.647+/-1543.949 χ^2/NDF: 42.6/50

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8043.590+/-1.741 χ^2/NDF: 1560866.6/21

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

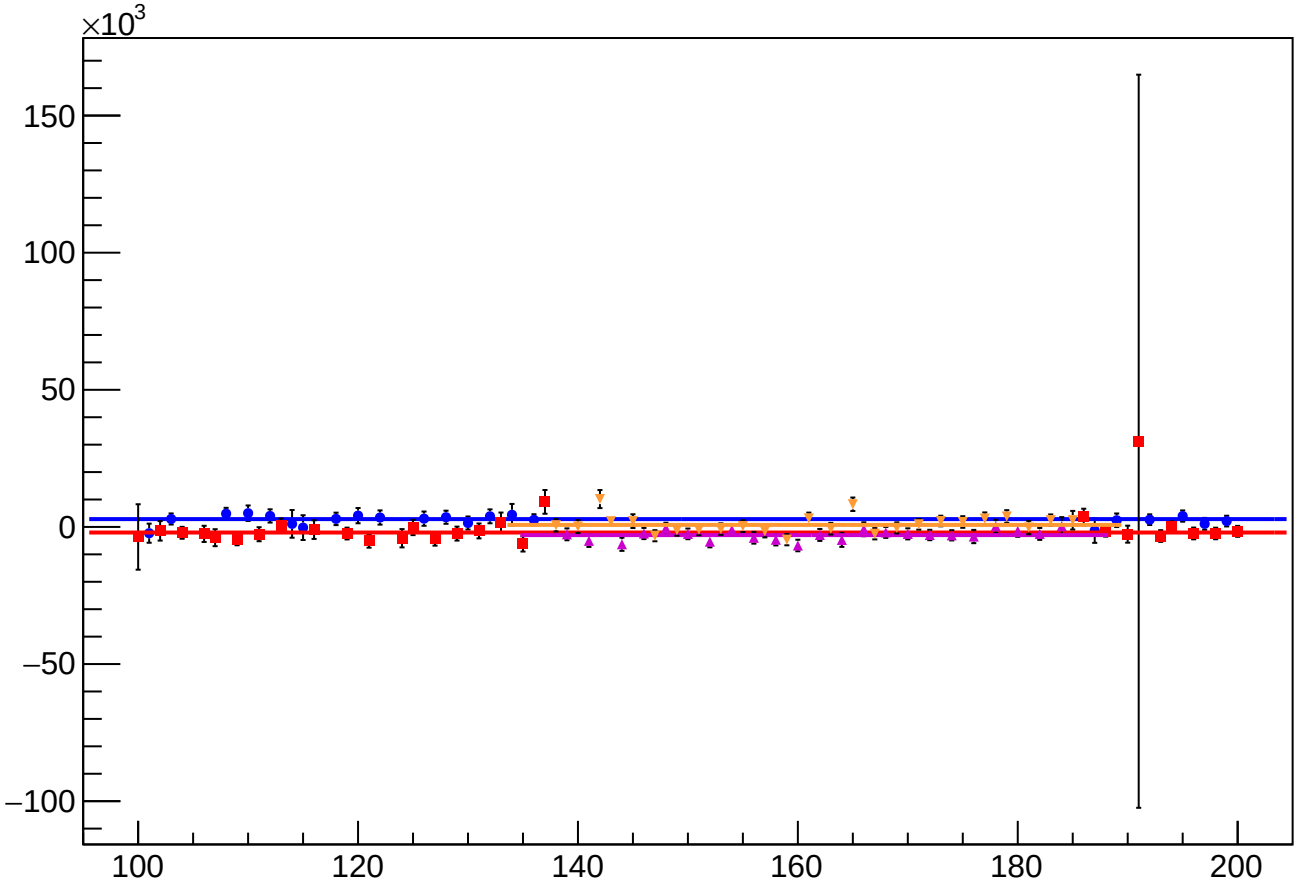
Right Out: 7741.572+/-1.574 χ^2/NDF: 2627159.7/27

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8043.726+/-1.073 χ^2/NDF: 4923782.3/46

All: 8214.871+/-0.765 χ^2/NDF: 9139322.6/97

- sign 8392.205+/-1.092 χ^2/NDF: 4163691.9/50



Right In: 2854.230+/-530.822 χ^2/NDF: 7.4/21

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2039.319+/-494.572 χ^2/NDF: 21.7/27

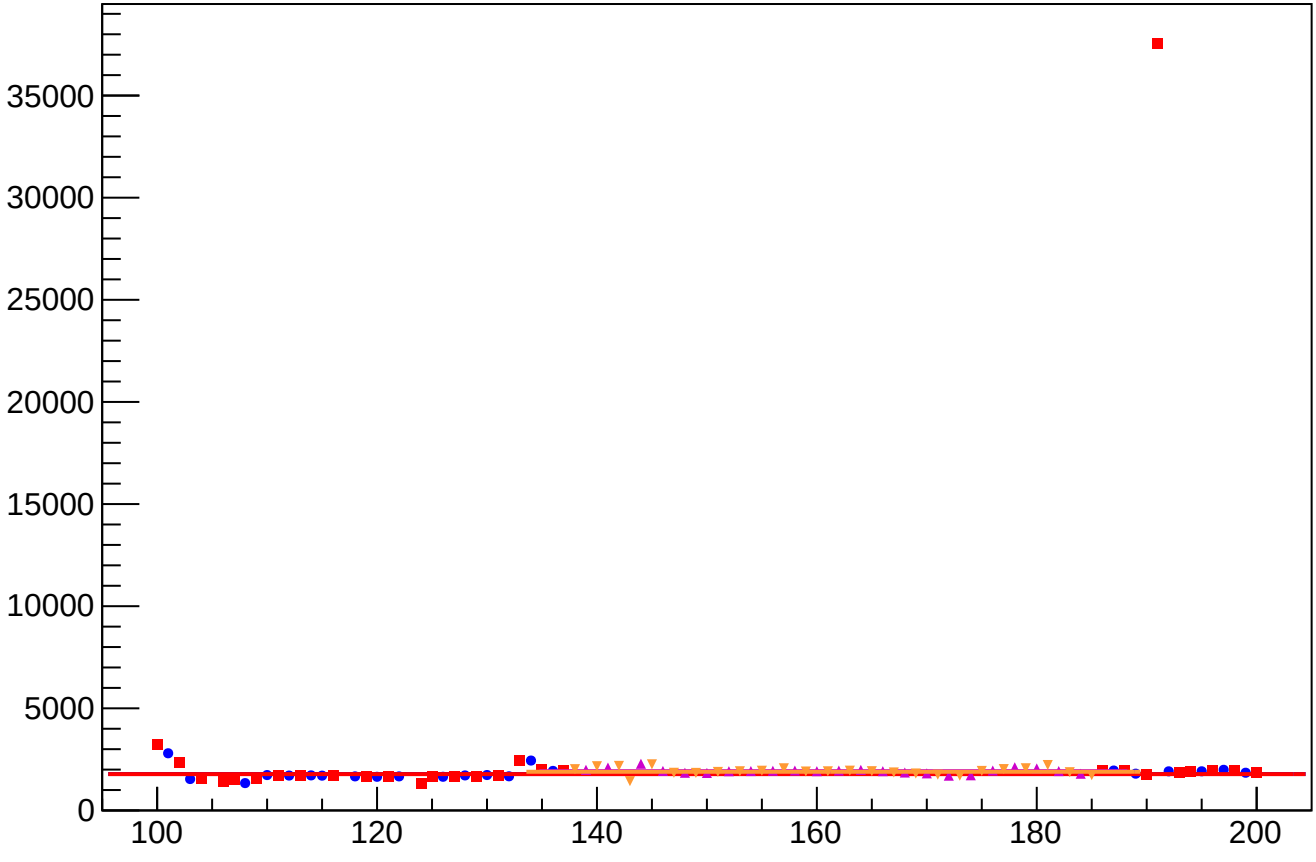
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1583.853+/-335.472 χ^2/NDF: 58.6/46

All: -500.097+/-236.328 χ^2/NDF: 174.5/97

- sign -2553.179+/-332.978 χ^2/NDF: 39.3/50

dit_asym_at2_avg_rms vs Slug



Right In: 1784.200+/-0.375 χ^2/NDF: 422057.8/21

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1778.923+/-0.350 χ^2/NDF: 529599.9/27

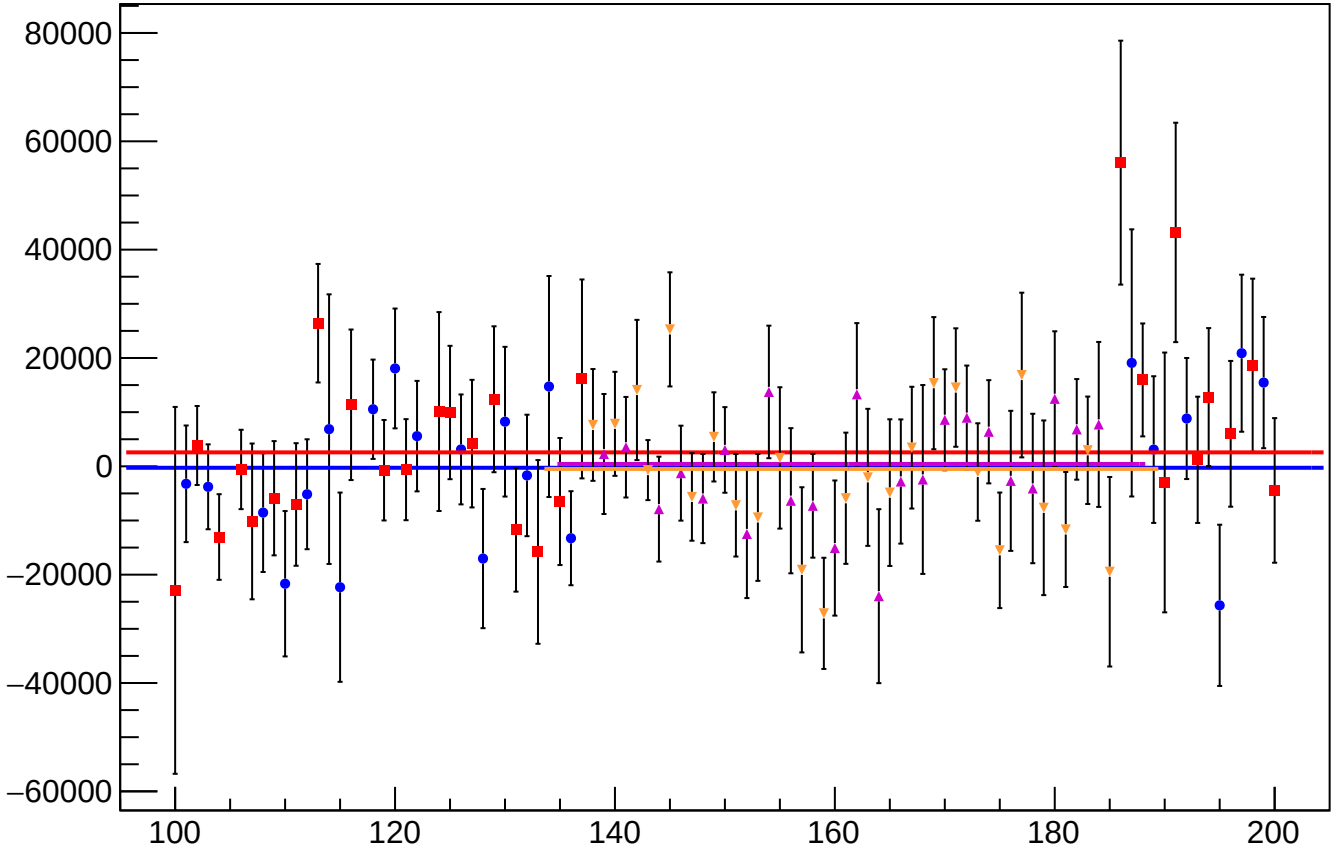
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1850.556+/-0.237 χ^2/NDF: 842682.5/46

All: 1854.154+/-0.167 χ^2/NDF: 1616582.3/97

- sign 1857.697+/-0.235 χ^2/NDF: 773443.2/50

asym_at2_avg_dit_correction_mean vs Slug



Right In: -266.332+/-2508.641 χ^2/NDF: 22.8/21

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2575.749+/-2234.857 χ^2/NDF: 30.6/27

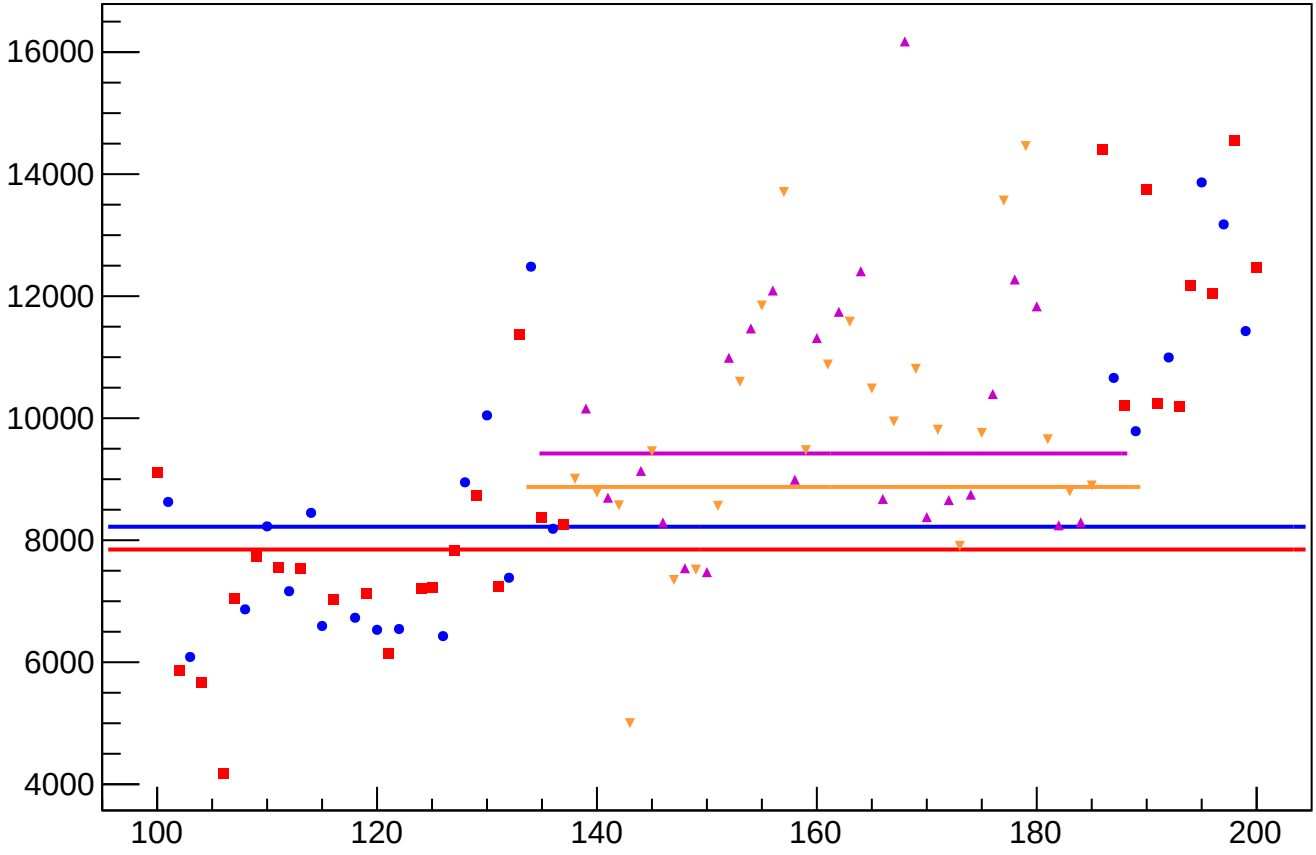
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -392.105+/-1605.404 χ^2/NDF: 51.6/46

All: 572.349+/-1127.519 χ^2/NDF: 96.9/97

- sign 1511.161+/-1583.920 χ^2/NDF: 44.6/50

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8221.168+/-1.774 χ^2/NDF: 1407780.0/21

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7847.777+/-1.580 χ^2/NDF: 2533939.4/27

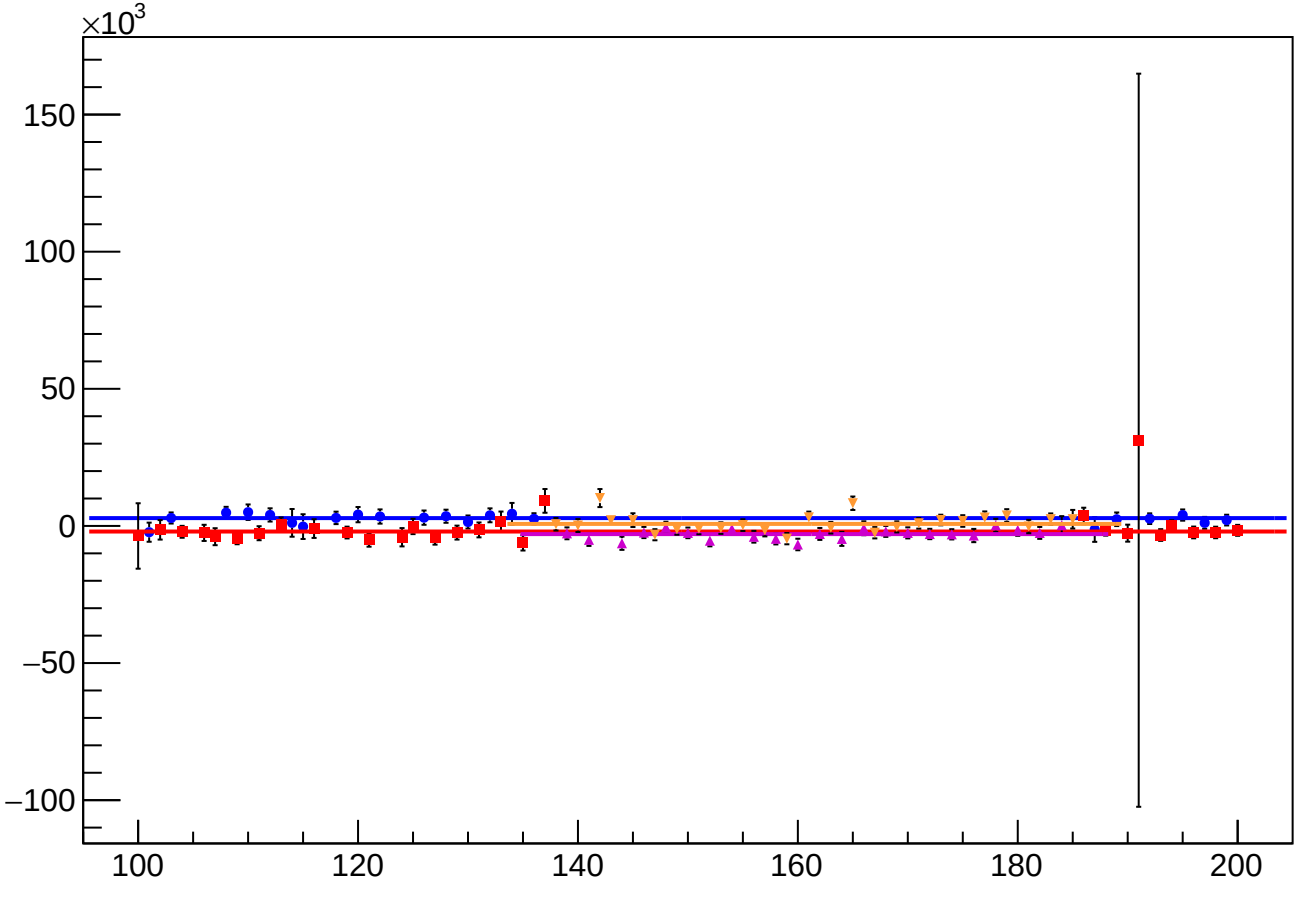
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

\+ sign 8606.402+/-1.135 χ^2/NDF: 3690903.9/46

All: 8618.925+/-0.797 χ^2/NDF: 7923634.2/97

\- sign 8631.116+/-1.120 χ^2/NDF: 4232490.1/50

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2854.230+/-530.821 χ^2/NDF: 7.4/21

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2039.323+/-494.572 χ^2/NDF: 21.7/27

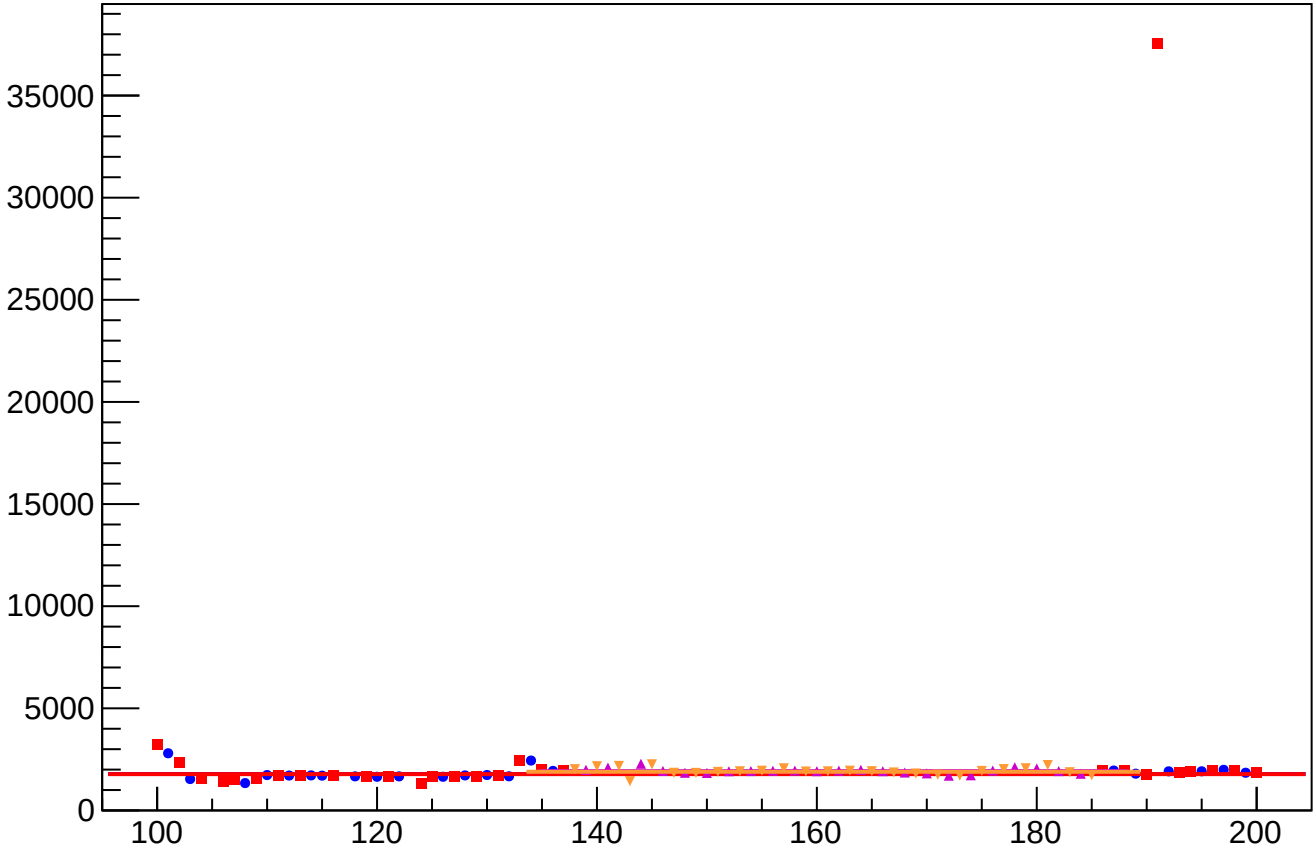
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1583.849+/-335.472 χ^2/NDF: 58.6/46

All: -500.100+/-236.328 χ^2/NDF: 174.5/97

- sign -2553.181+/-332.978 χ^2/NDF: 39.3/50

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1784.199+/-0.375 χ^2/NDF: 422058.3/21

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

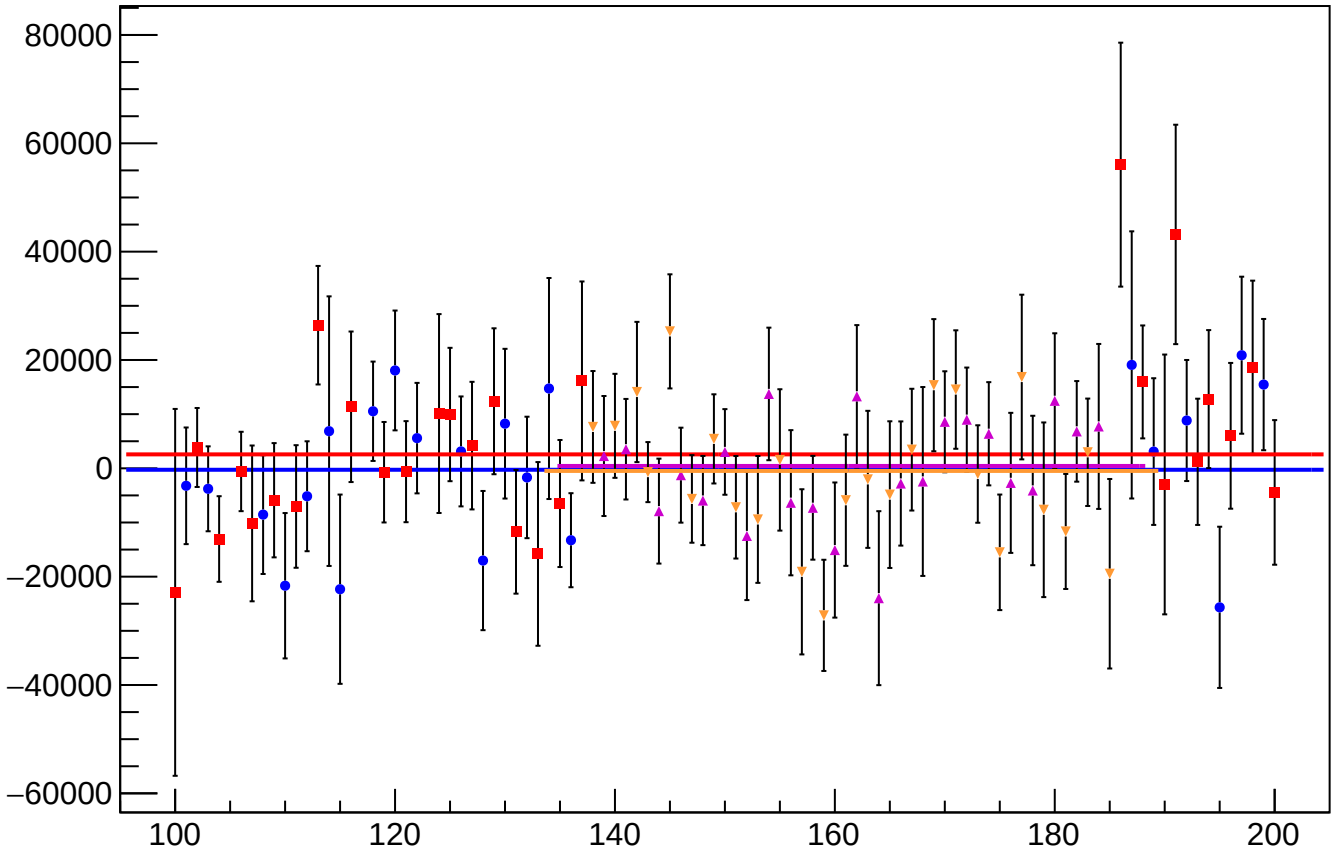
Right Out: 1778.923+/-0.350 χ^2/NDF: 529601.2/27

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1850.558+/-0.237 χ^2/NDF: 842693.8/46

All: 1854.155+/-0.167 χ^2/NDF: 1616606.4/97

- sign 1857.699+/-0.235 χ^2/NDF: 773456.1/50



Right In: -266.322+/-2508.637 χ^2/NDF: 22.8/21

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2575.734+/-2234.854 χ^2/NDF: 30.6/27

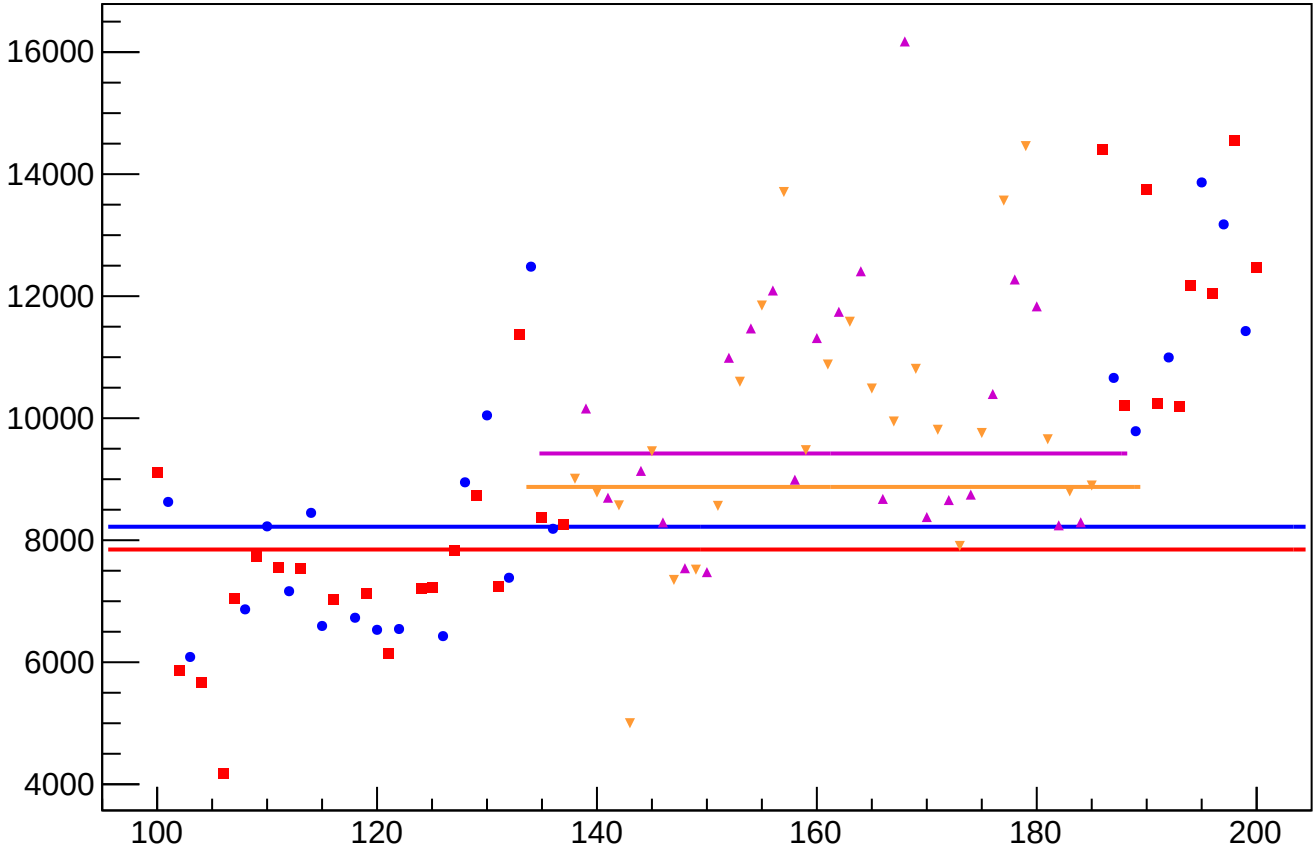
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -392.104+/-1605.404 χ^2/NDF: 51.6/46

All: 572.348+/-1127.519 χ^2/NDF: 96.9/97

- sign 1511.159+/-1583.920 χ^2/NDF: 44.6/50

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8221.153+/-1.774 χ^2/NDF: 1407796.0/21

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7847.764+/-1.580 χ^2/NDF: 2533953.9/27

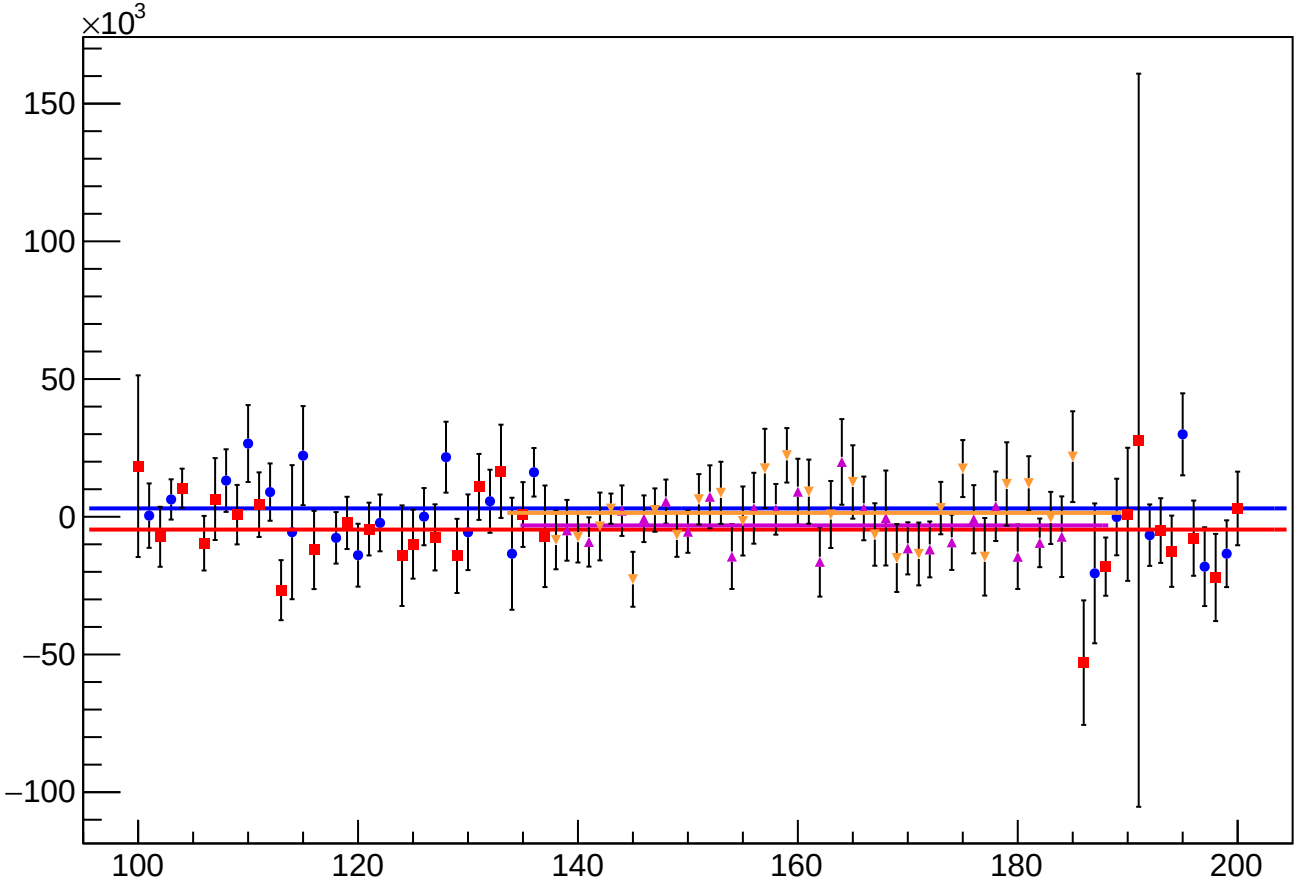
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8606.403+/-1.135 χ^2/NDF: 3690928.9/46

All: 8618.925+/-0.797 χ^2/NDF: 7923695.0/97

- sign 8631.114+/-1.120 χ^2/NDF: 4232526.0/50

asym_at2_avg_mean vs Slug



Right In: 3038.394+/-2532.527 χ^2/NDF: 23.7/21

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4650.056+/-2366.966 χ^2/NDF: 23.8/27

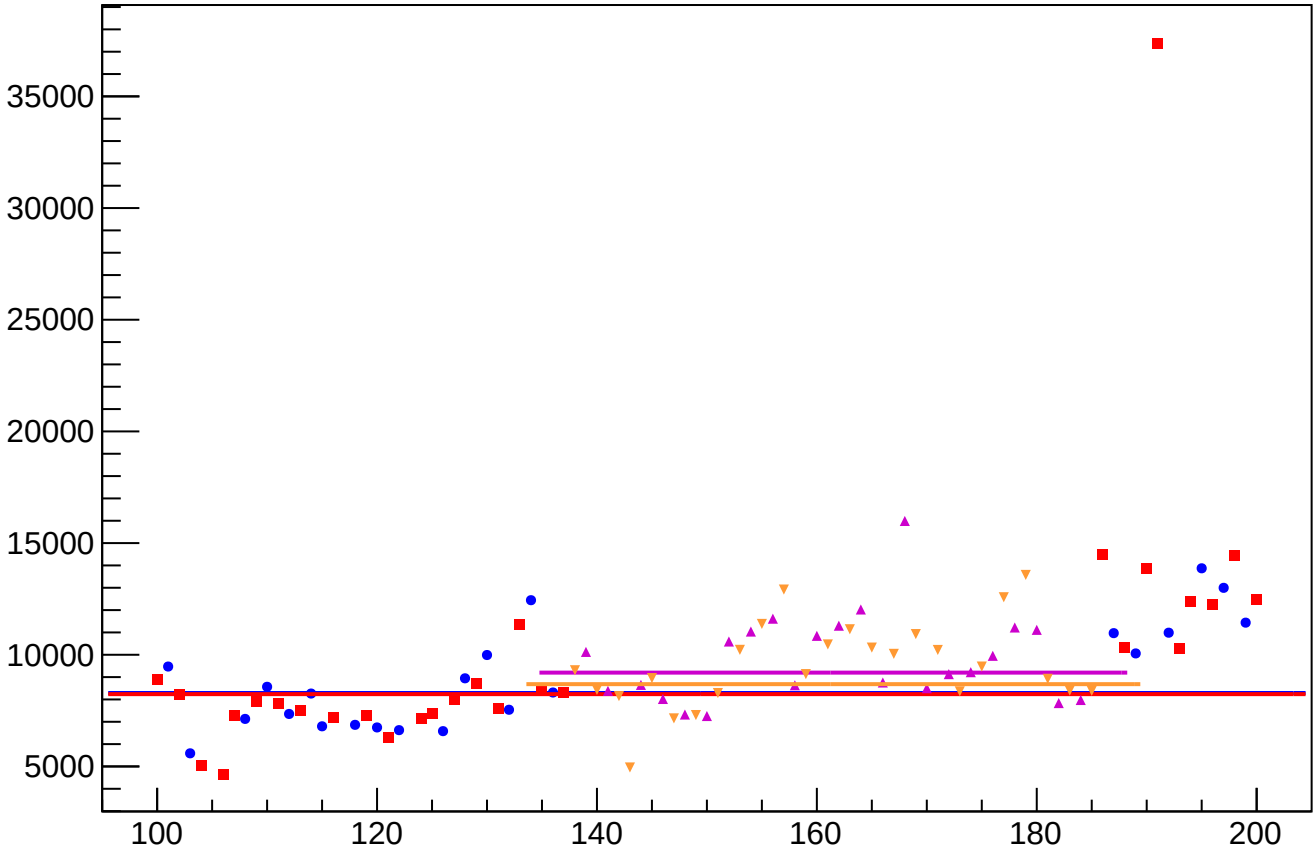
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2049.751+/-1588.642 χ^2/NDF: 51.4/46

All: -858.753+/-1129.871 χ^2/NDF: 95.2/97

- sign -3835.894+/-1607.278 χ^2/NDF: 37.0/50

asym_at2_avg_rms vs Slug



Right In: 8287.625+/-1.791 χ^2/NDF: 1467033.5/21

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

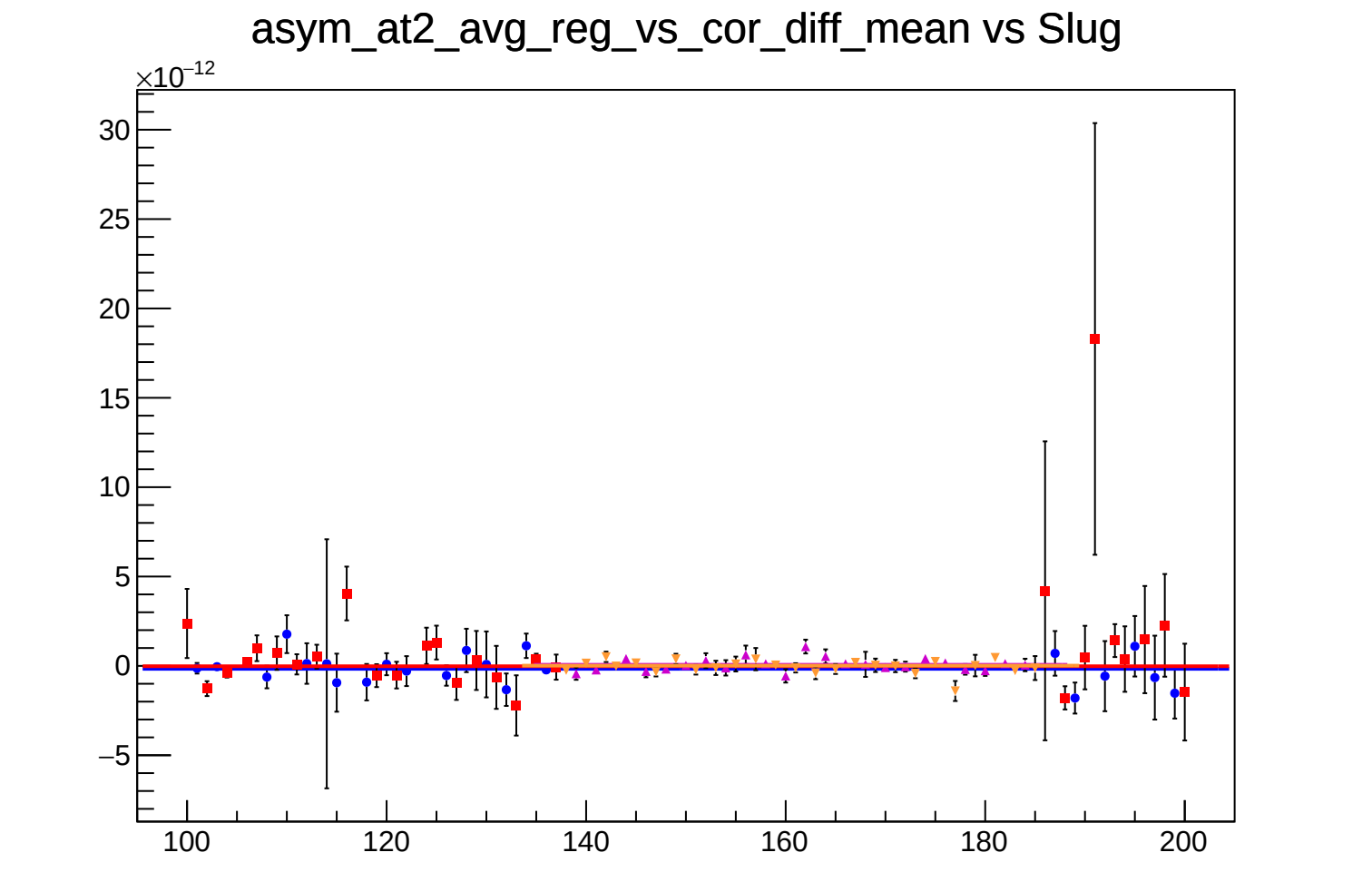
Right Out: 8237.128+/-1.674 χ^2/NDF: 2280281.9/27

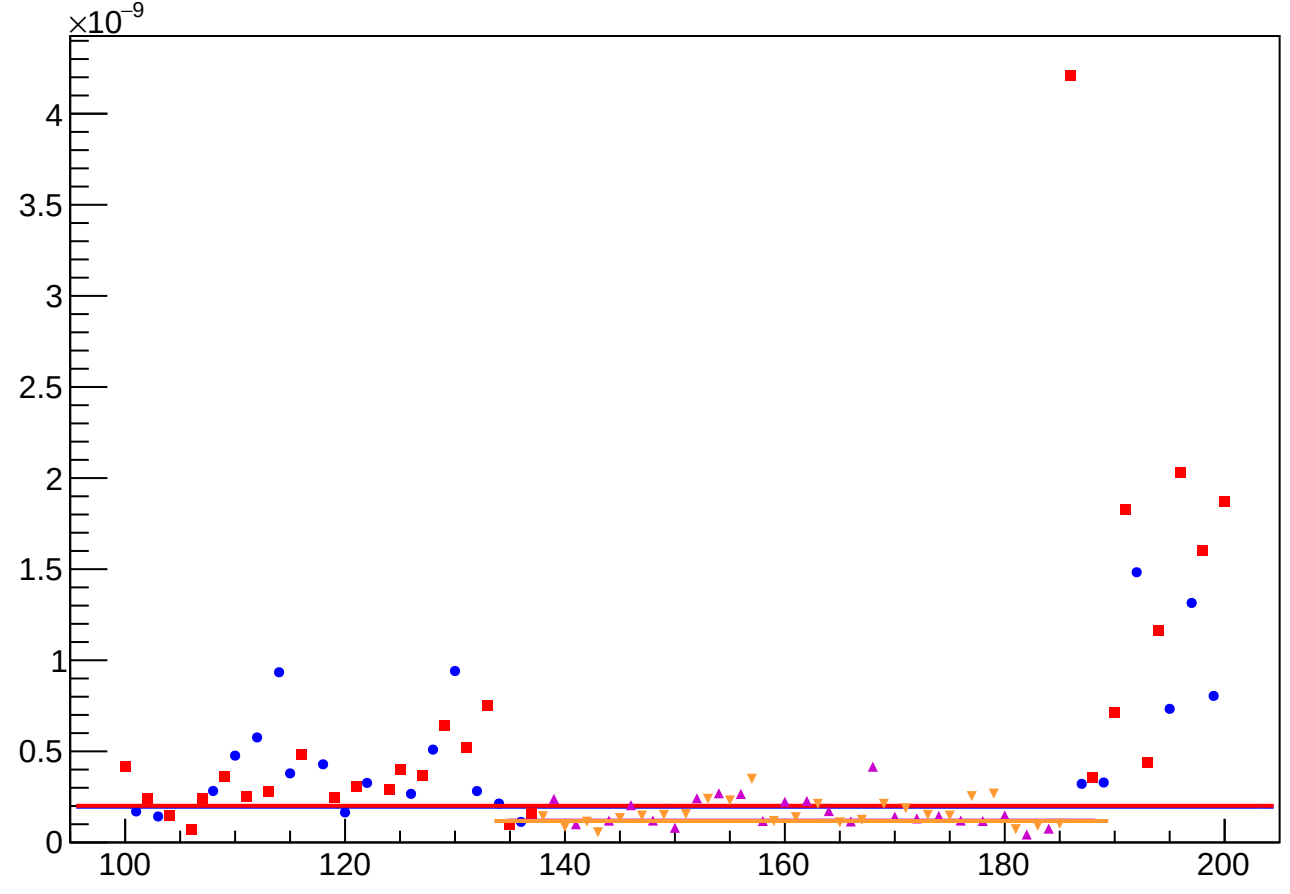
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8528.358+/-1.123 χ^2/NDF: 3548452.6/46

All: 8641.060+/-0.799 χ^2/NDF: 7157188.0/97

- sign 8756.415+/-1.136 χ^2/NDF: 3588367.1/50


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
200
Right In: -0.000+/-0.000 χ²/NDF: 17.2/21
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.5/27
Left In: 0.000+/-0.000 χ²/NDF:27.8/22
+ sign -0.000+/-0.000 χ²/NDF: 48.1/46
All: 0.000+/-0.000 χ²/NDF: 123.6/97
- sign 0.000+/-0.000 χ²/NDF: 74.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 3528725.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5180381.7/27

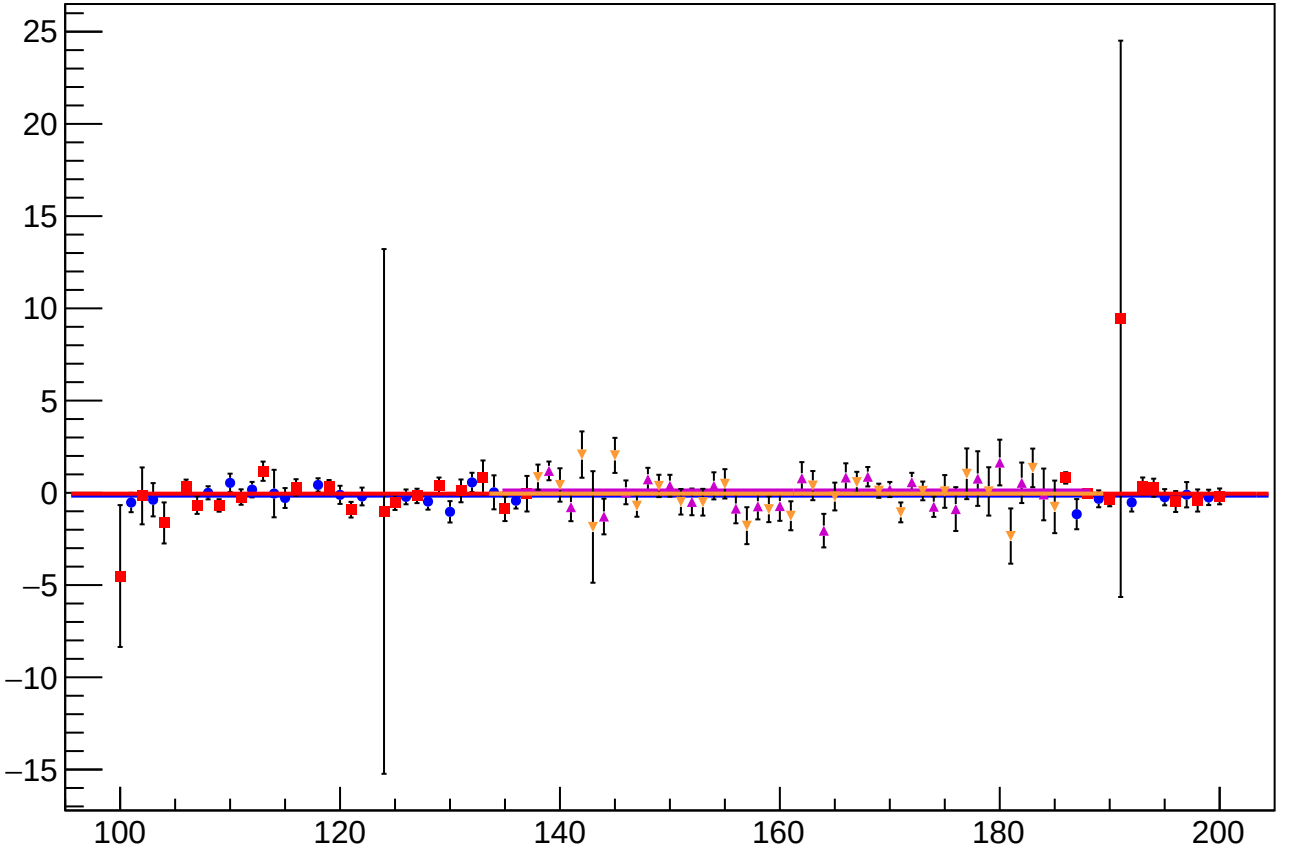
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6626815.5/46

All: 0.000+/-0.000 χ^2/NDF: 15259866.0/97

- sign 0.000+/-0.000 χ^2/NDF: 8627159.5/50

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.045+/-0.084 χ^2/NDF: 37.1/27

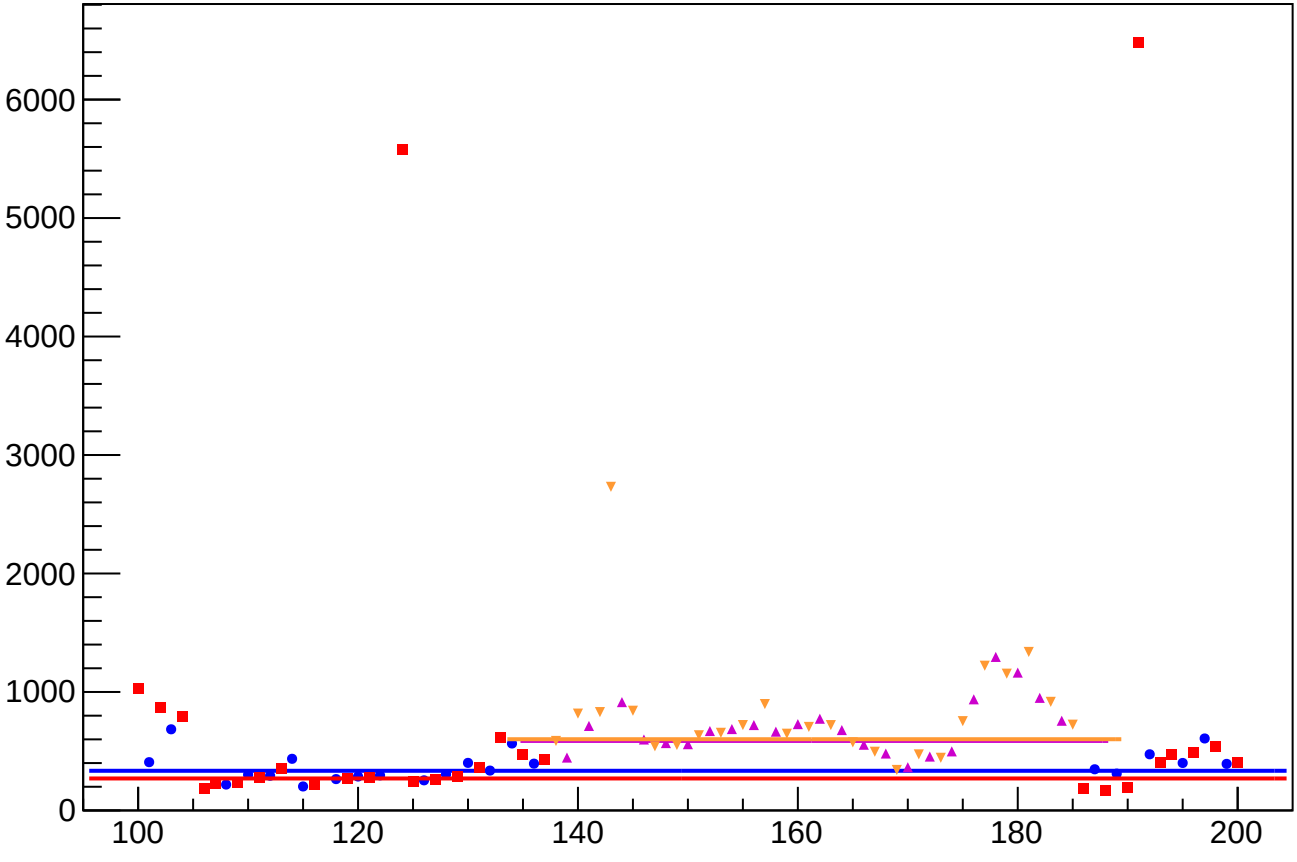
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.049+/-0.055 χ^2/NDF: 112.1/97

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

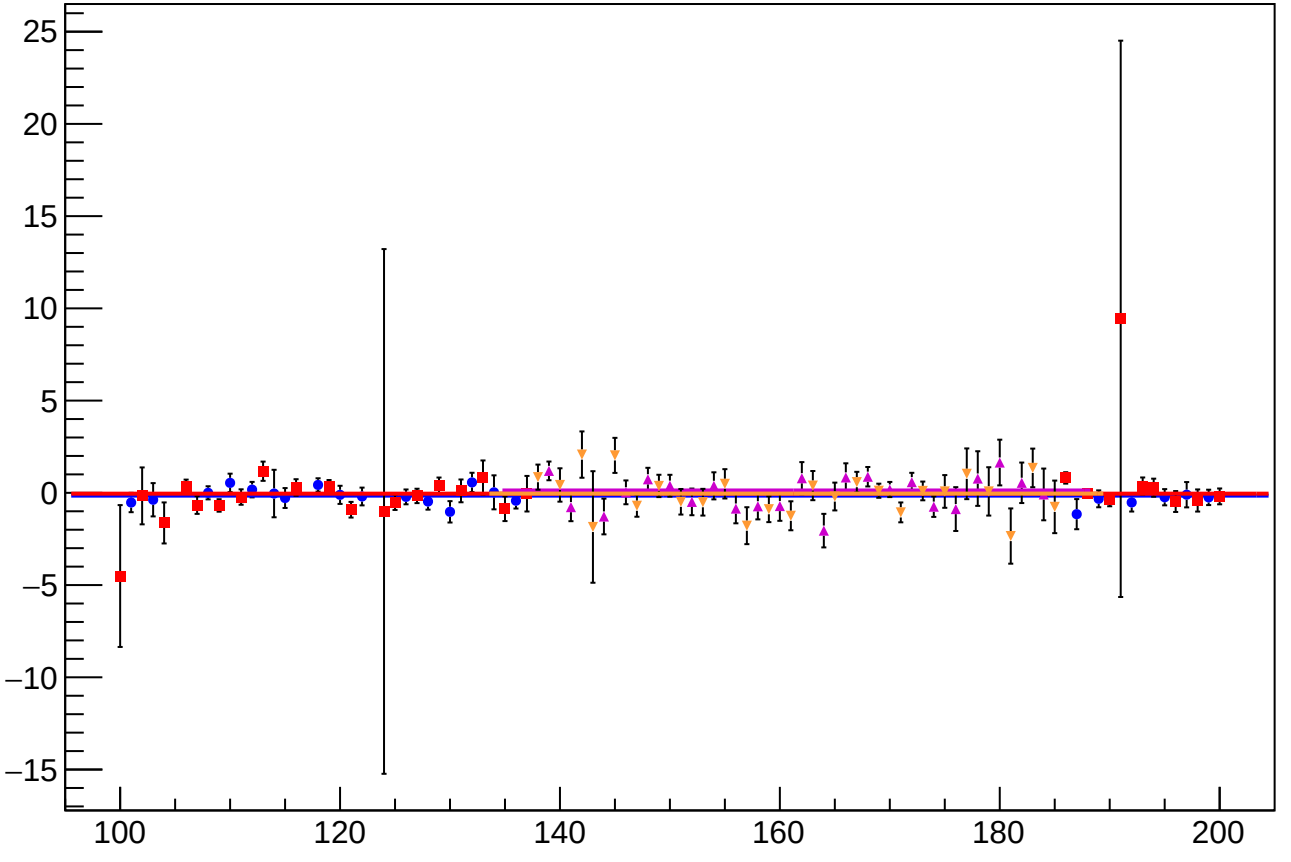
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.373+/-0.060 χ^2/NDF: 10459061.1/46

All: 380.658+/-0.039 χ^2/NDF: 25953115.4/97

- sign 349.160+/-0.051 χ^2/NDF: 14595038.0/50

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.045+/-0.084 χ^2/NDF: 37.1/27

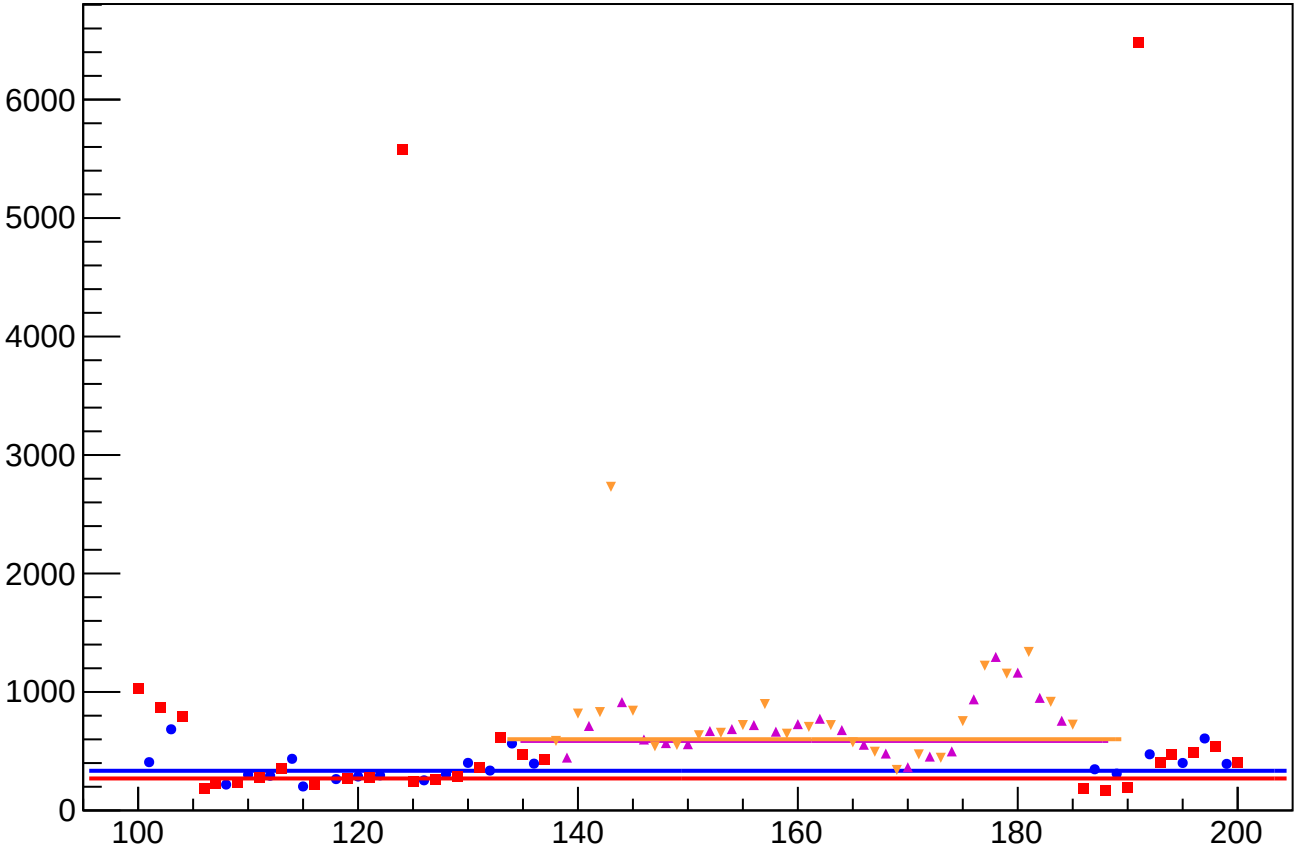
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.049+/-0.055 χ^2/NDF: 112.1/97

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

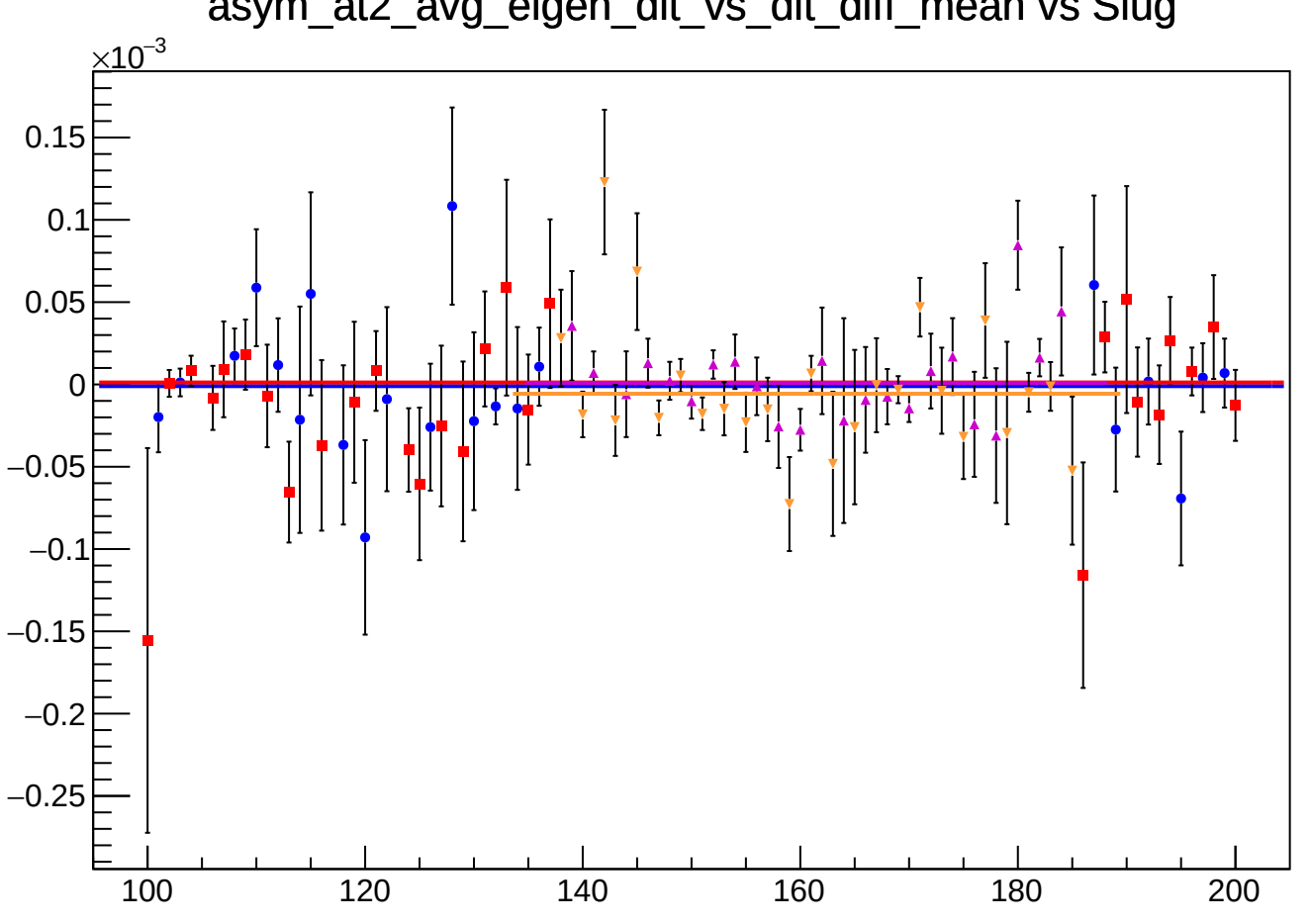
Right Out: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.373+/-0.060 χ^2/NDF: 10459061.1/46

All: 380.658+/-0.039 χ^2/NDF: 25953115.4/97

- sign 349.160+/-0.051 χ^2/NDF: 14595038.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/27

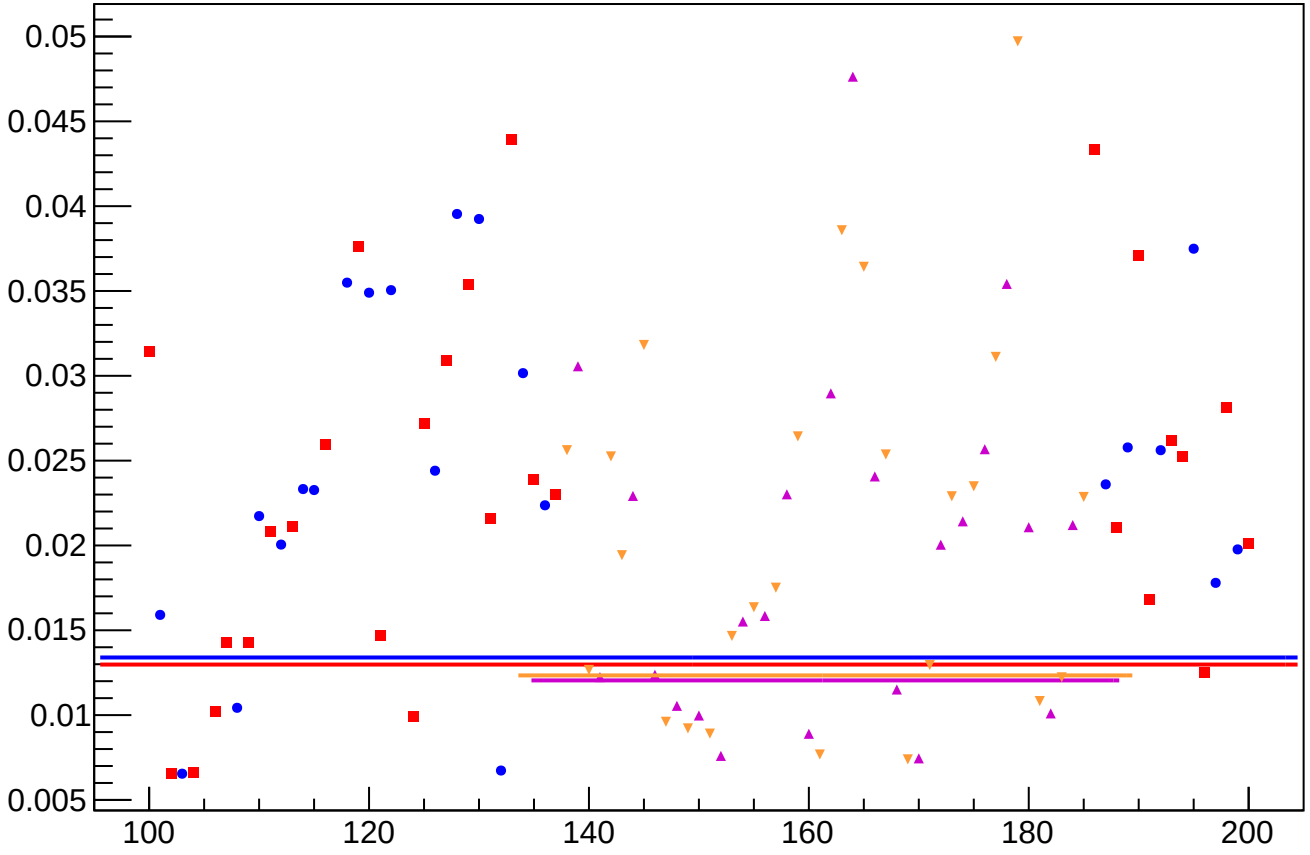
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/46

All: -0.000+/-0.000 χ^2/NDF: 119.4/97

- sign 0.000+/-0.000 χ^2/NDF: 54.9/50

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6673782.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7339168.1/27

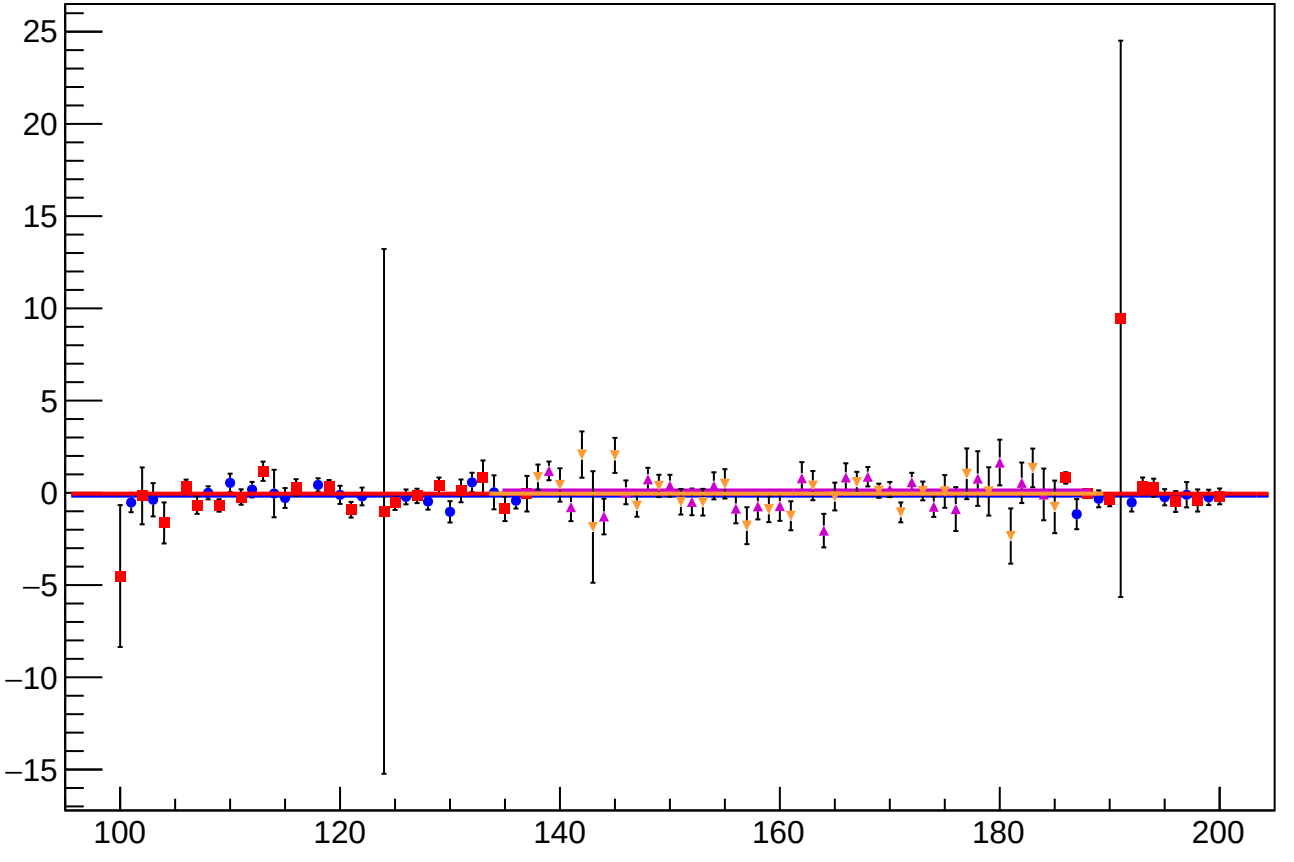
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14578989.9/46

All: 0.013+/-0.000 χ^2/NDF: 28369475.1/97

- sign 0.012+/-0.000 χ^2/NDF: 13779959.1/50

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.045+/-0.084 χ^2/NDF: 37.1/27

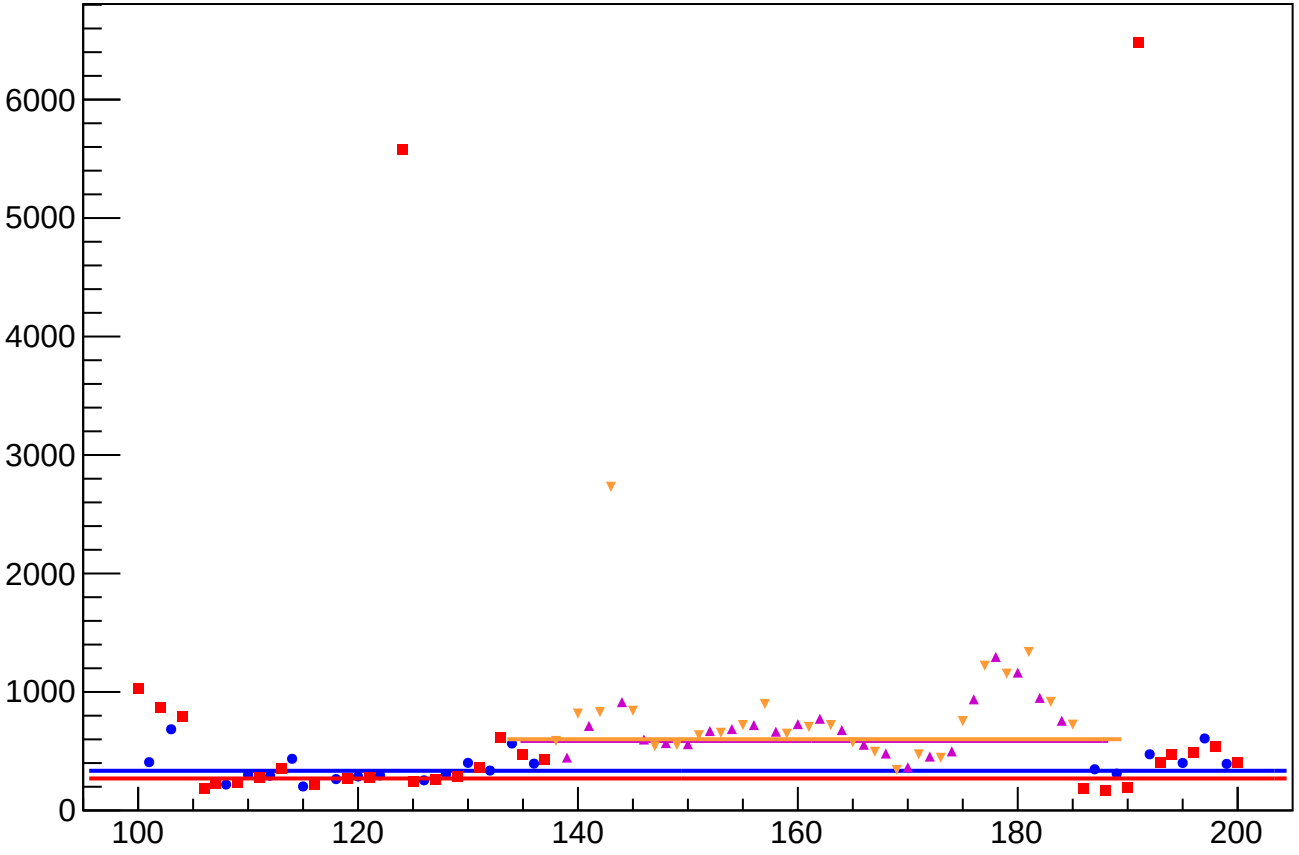
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.049+/-0.055 χ^2/NDF: 112.1/97

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

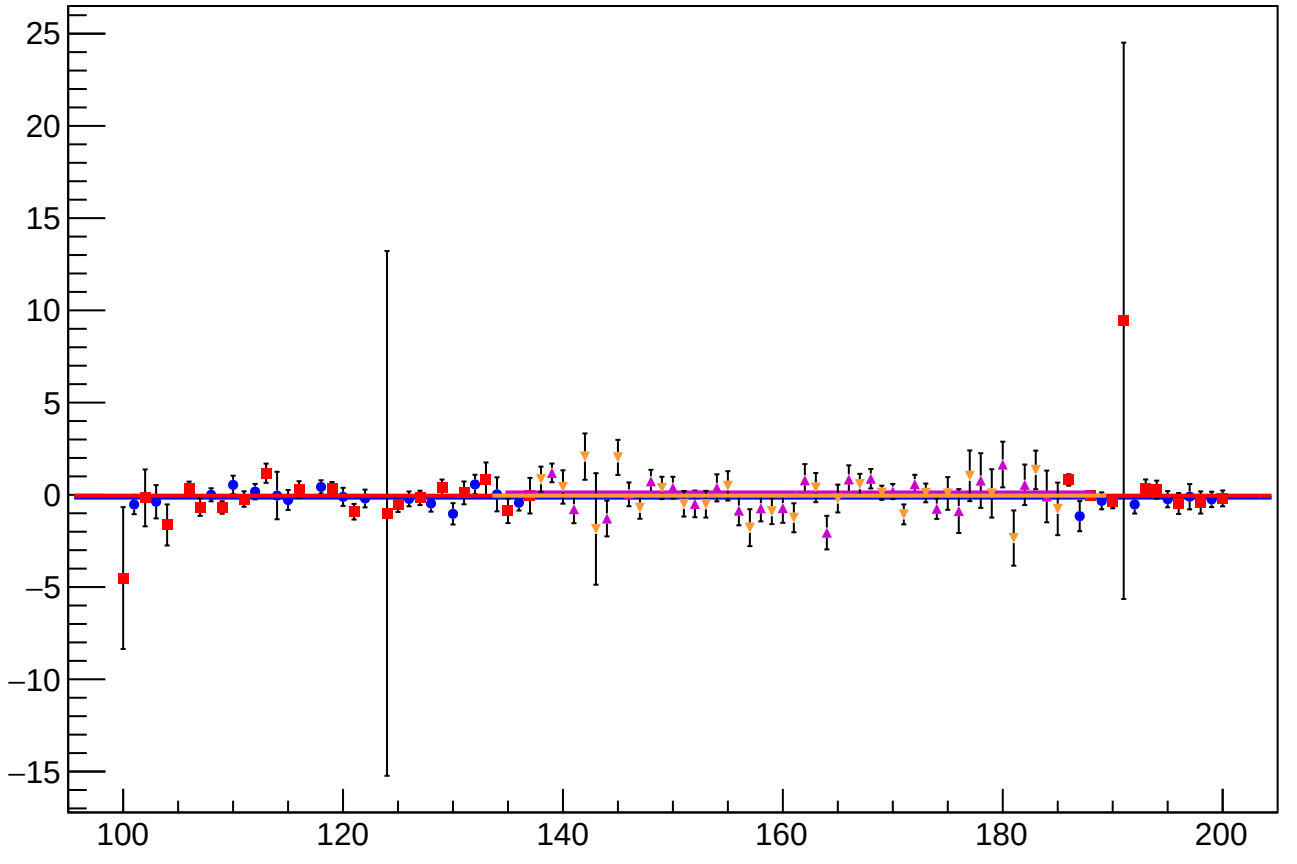
Right Out: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.372+/-0.060 χ^2/NDF: 10459290.0/46

All: 380.653+/-0.039 χ^2/NDF: 25954321.2/97

- sign 349.153+/-0.051 χ^2/NDF: 14595867.5/50



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

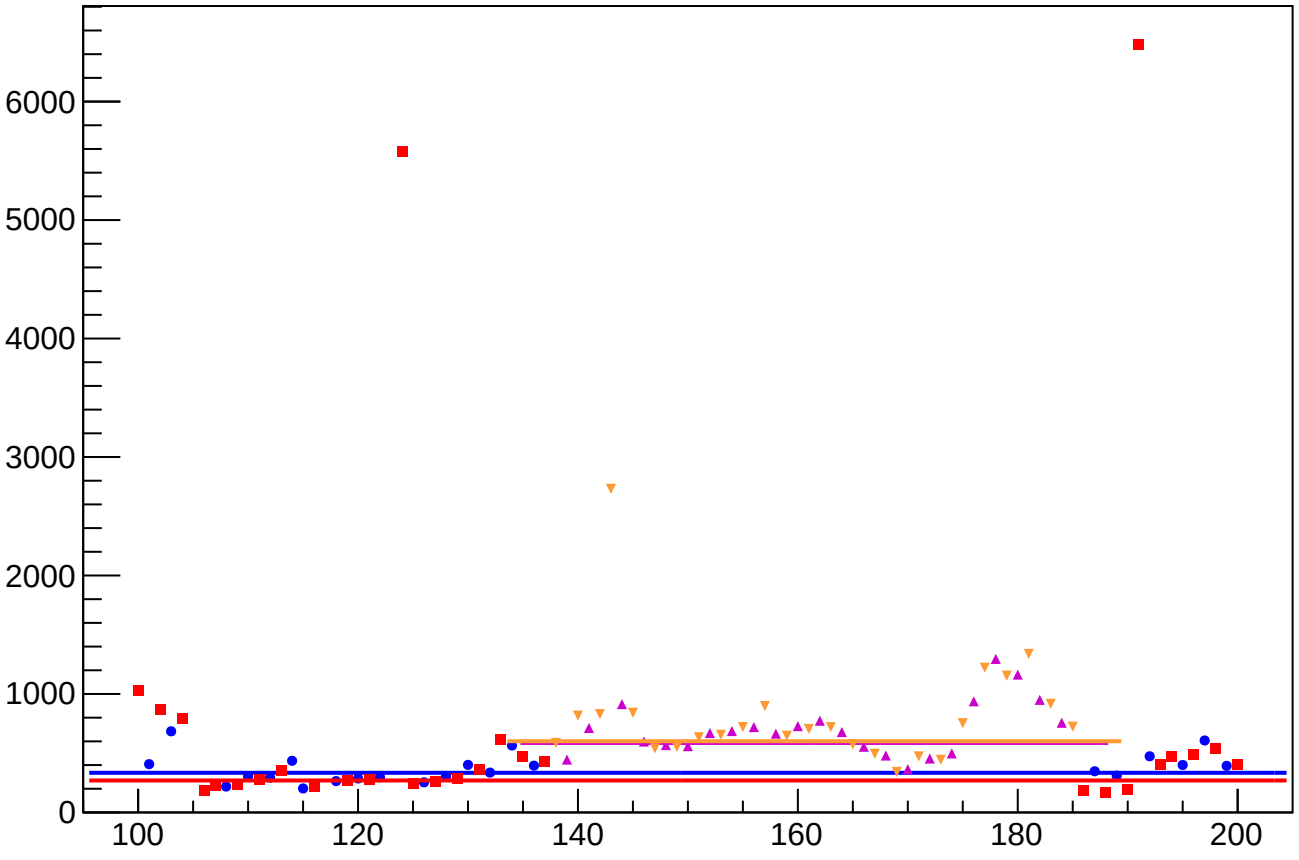
Right Out: -0.045+/-0.084 χ^2/NDF: 37.1/27

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.049+/-0.055 χ^2/NDF: 112.1/97

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

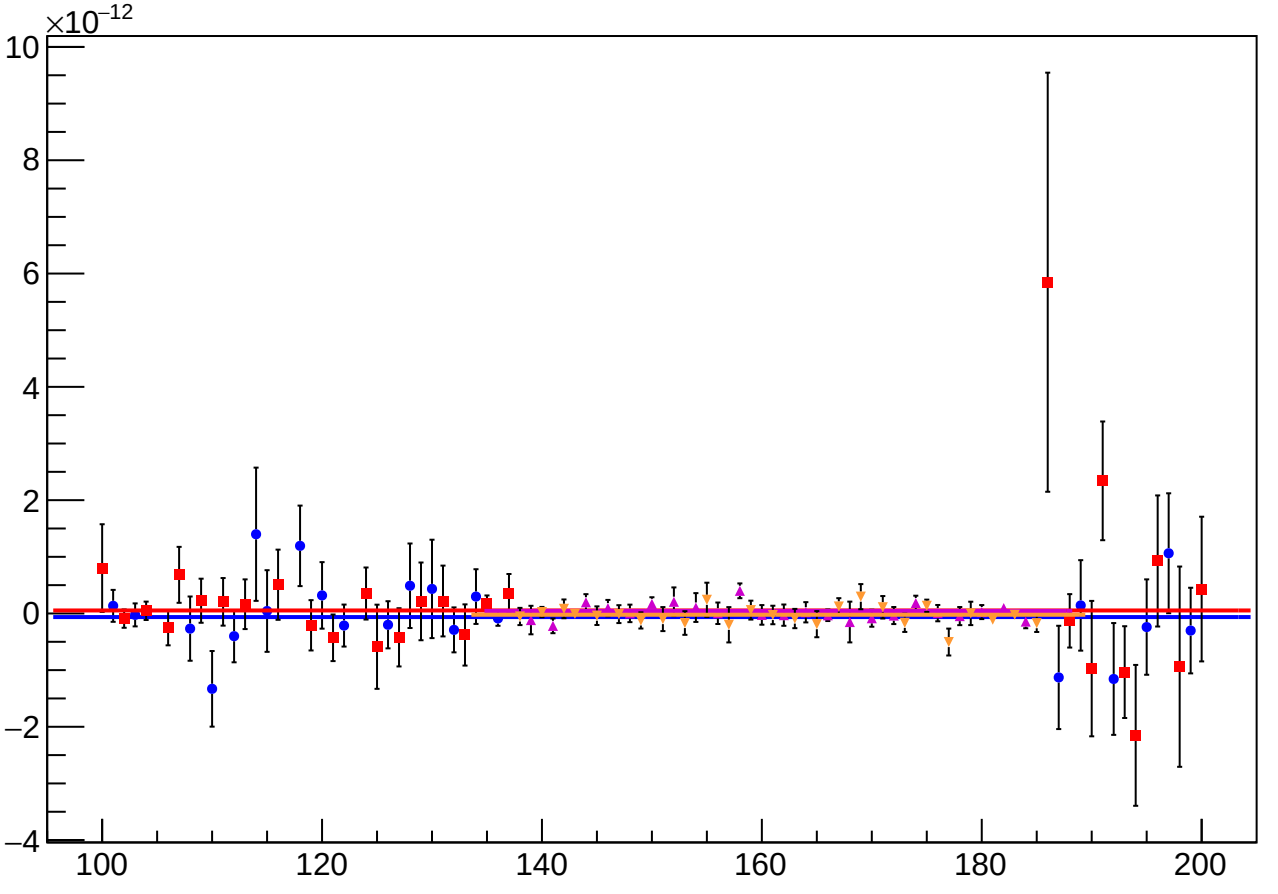
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.372+/-0.060 χ^2/NDF: 10459290.0/46

All: 380.653+/-0.039 χ^2/NDF: 25954321.2/97

- sign 349.153+/-0.051 χ^2/NDF: 14595867.5/50

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

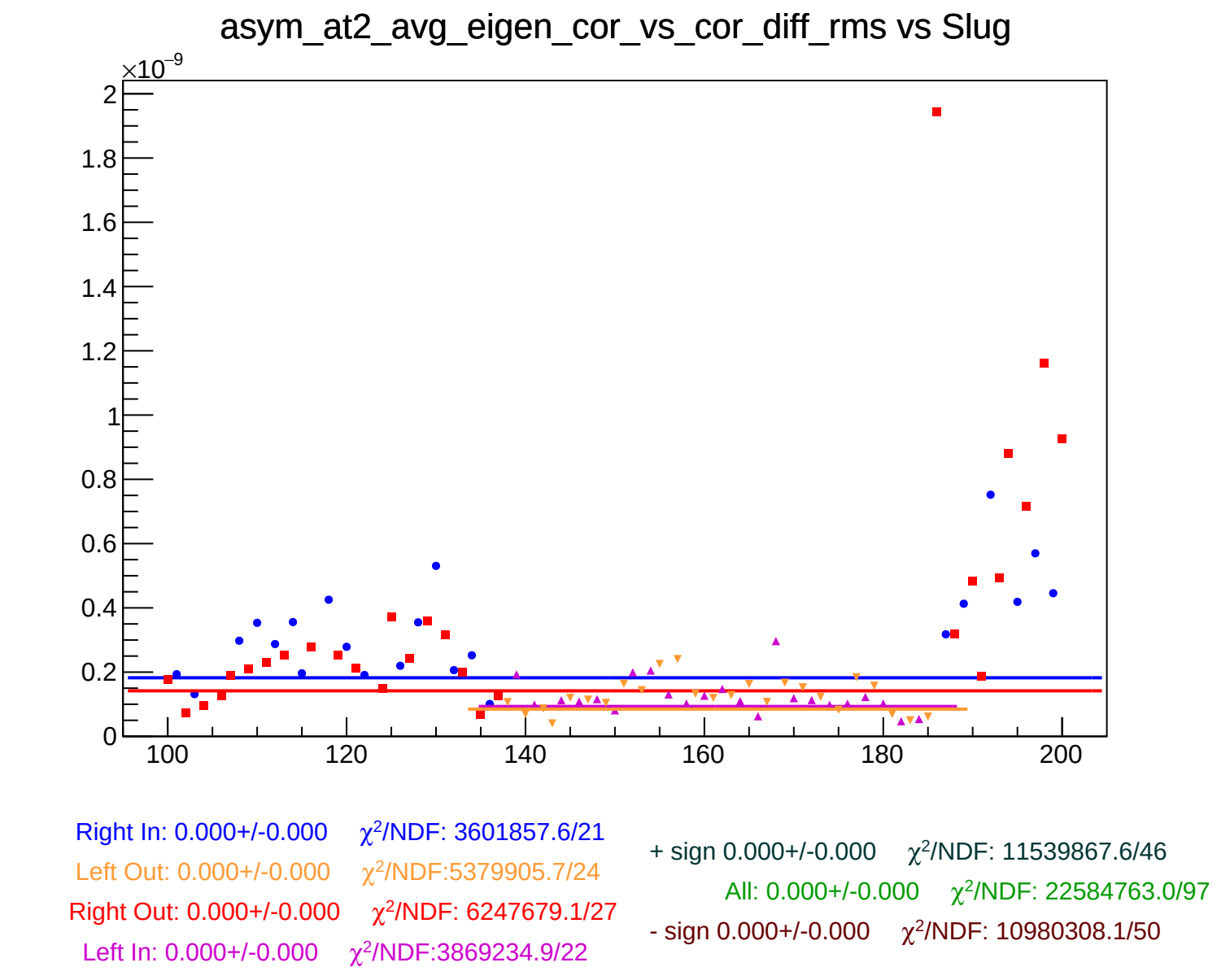
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

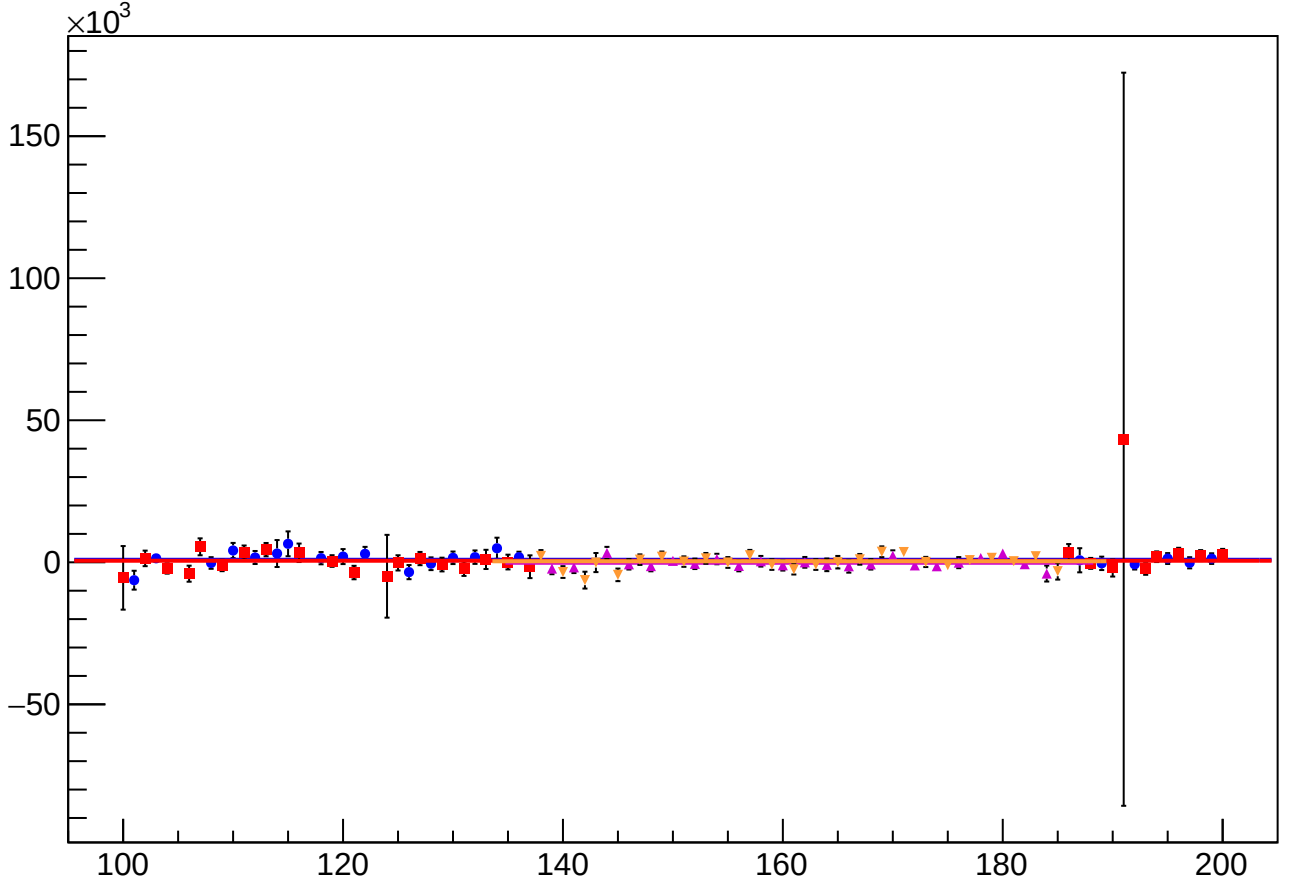
+ sign -0.000+/-0.000 χ^2/NDF: 32.5/46

All: 0.000+/-0.000 χ^2/NDF: 84.0/97

- sign 0.000+/-0.000 χ^2/NDF: 47.5/50


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3601857.6/21
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6247679.1/27
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 11539867.6/46
All: 0.000+/-0.000 χ²/NDF: 22584763.0/97
- sign 0.000+/-0.000 χ²/NDF: 10980308.1/50

reg_asym_at2_dd_mean vs Slug



Right In: 889.385+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 550.560+/-467.555 χ^2/NDF: 27.7/27

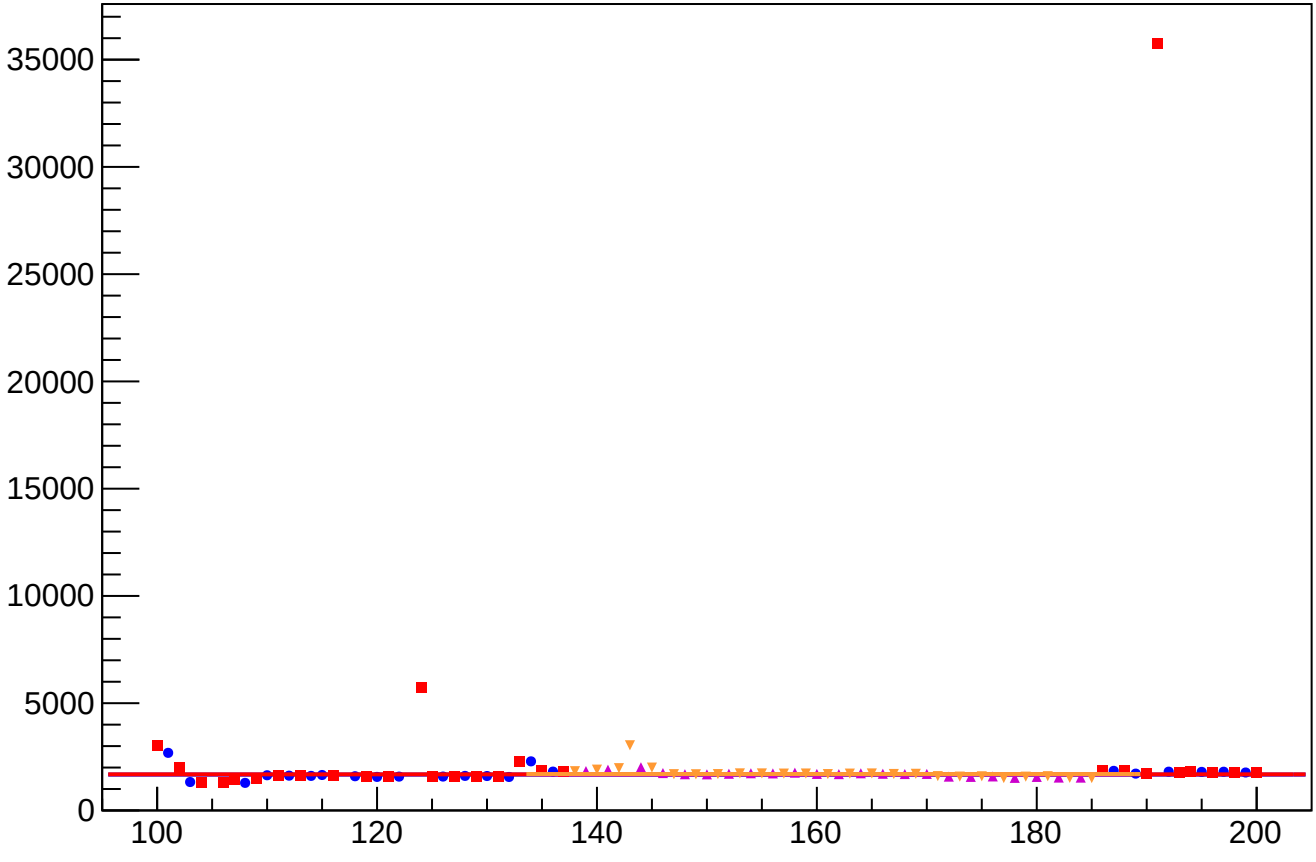
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 561.380+/-305.991 χ^2/NDF: 46.3/46

All: 345.995+/-214.728 χ^2/NDF: 92.4/97

\- sign 137.018+/-301.404 χ^2/NDF: 45.0/50

reg_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.5/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1683.429+/-0.331 χ^2/NDF: 665828.3/27

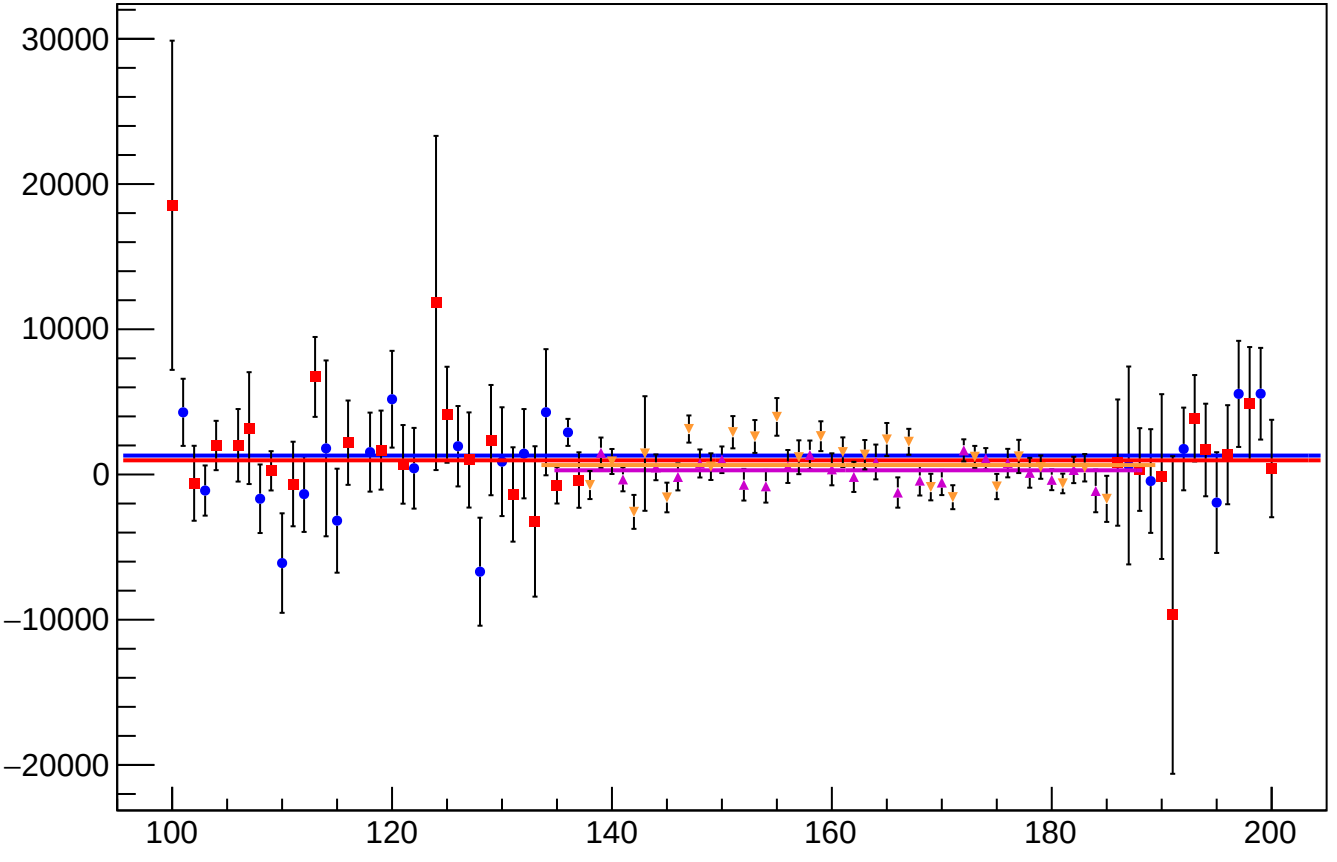
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.3/46

All: 1685.810+/-0.152 χ^2/NDF: 1791329.1/97

- sign 1684.100+/-0.213 χ^2/NDF: 831191.0/50

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1302.938+/-537.291 χ^2/NDF: 26.4/21

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 975.702+/-507.323 χ^2/NDF: 17.4/27

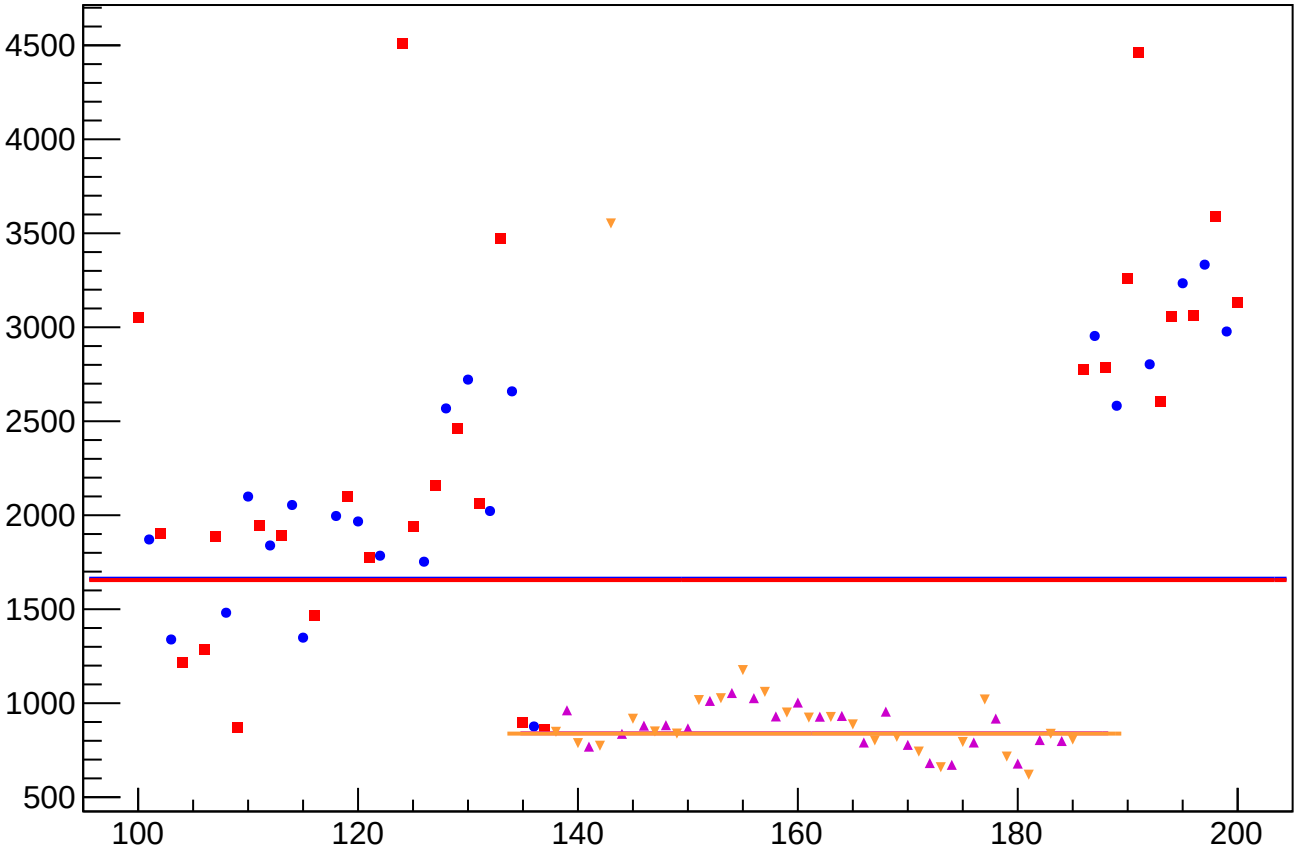
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 725.720+/-183.858 χ^2/NDF: 93.2/46

All: 553.706+/-130.356 χ^2/NDF: 130.5/97

\- sign 379.833+/-184.849 χ^2/NDF: 35.5/50

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1662.377+/-0.380 χ^2/NDF: 3757544.0/21

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1654.993+/-0.359 χ^2/NDF: 5181828.4/27

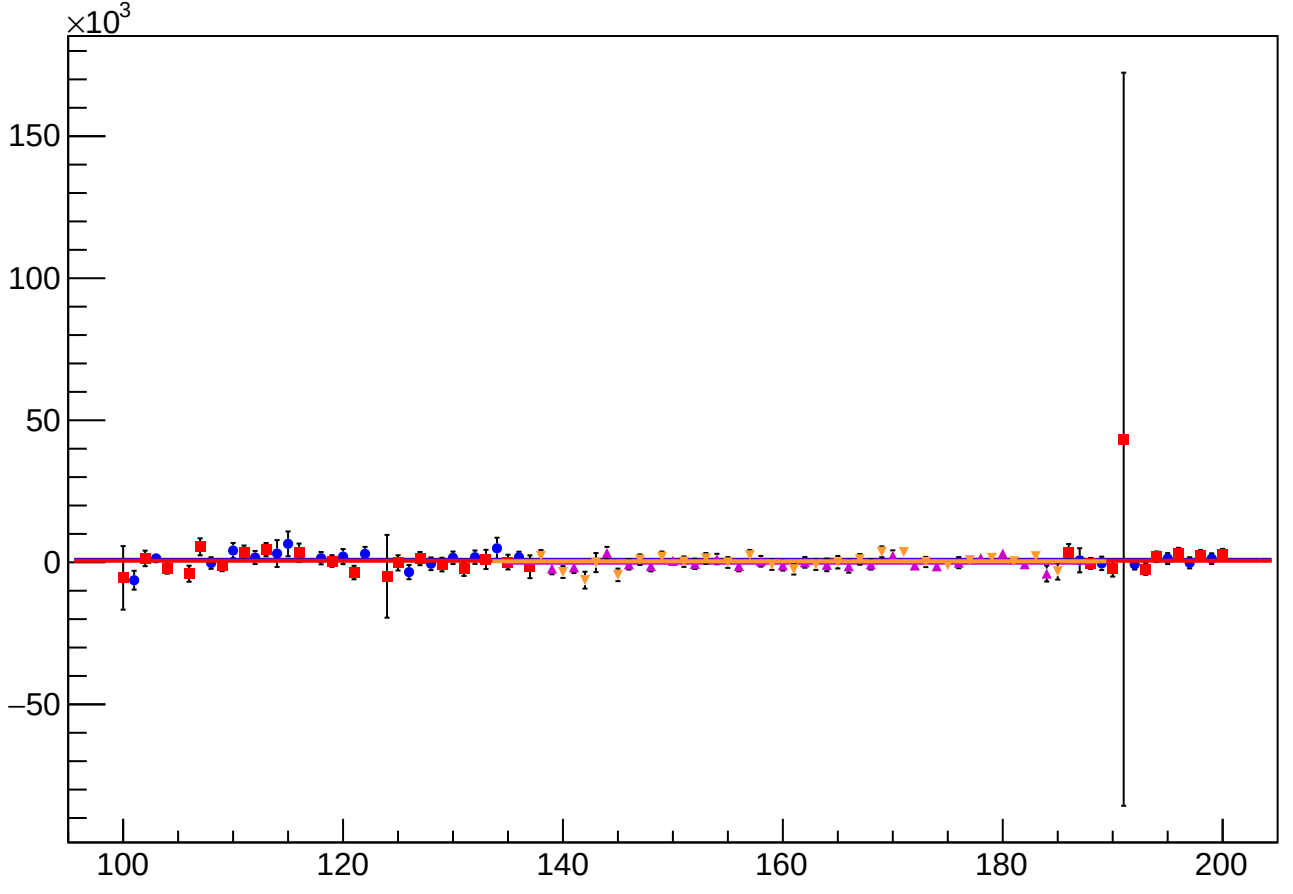
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 934.746+/-0.130 χ^2/NDF: 9712295.6/46

All: 941.426+/-0.092 χ^2/NDF: 20045230.4/97

- sign 948.177+/-0.131 χ^2/NDF: 10327626.8/50

cor_asym_at2_dd_mean vs Slug



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 550.753+/-467.555 χ^2/NDF: 27.7/27

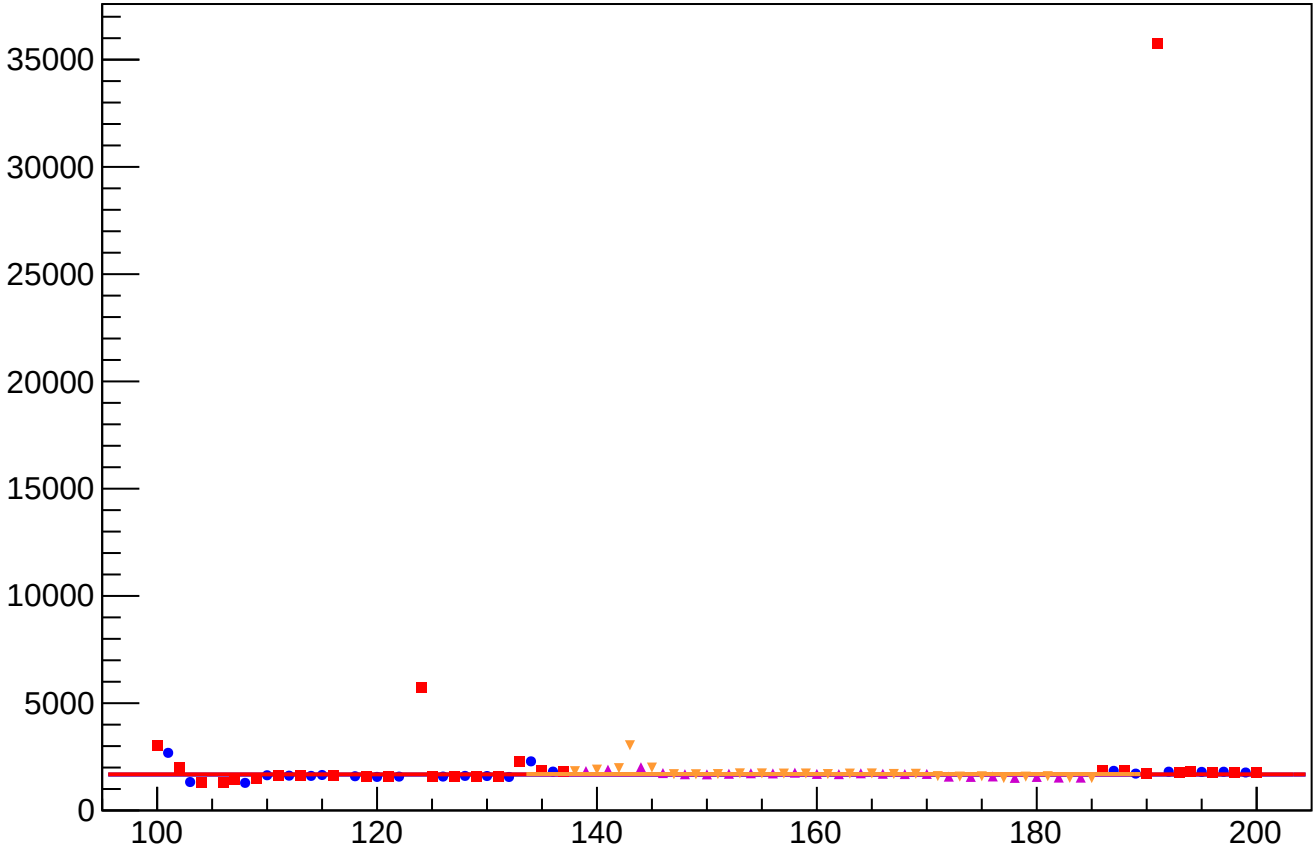
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 561.322+/-305.991 χ^2/NDF: 46.4/46

All: 346.035+/-214.728 χ^2/NDF: 92.4/97

- sign 137.153+/-301.404 χ^2/NDF: 45.0/50

cor_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

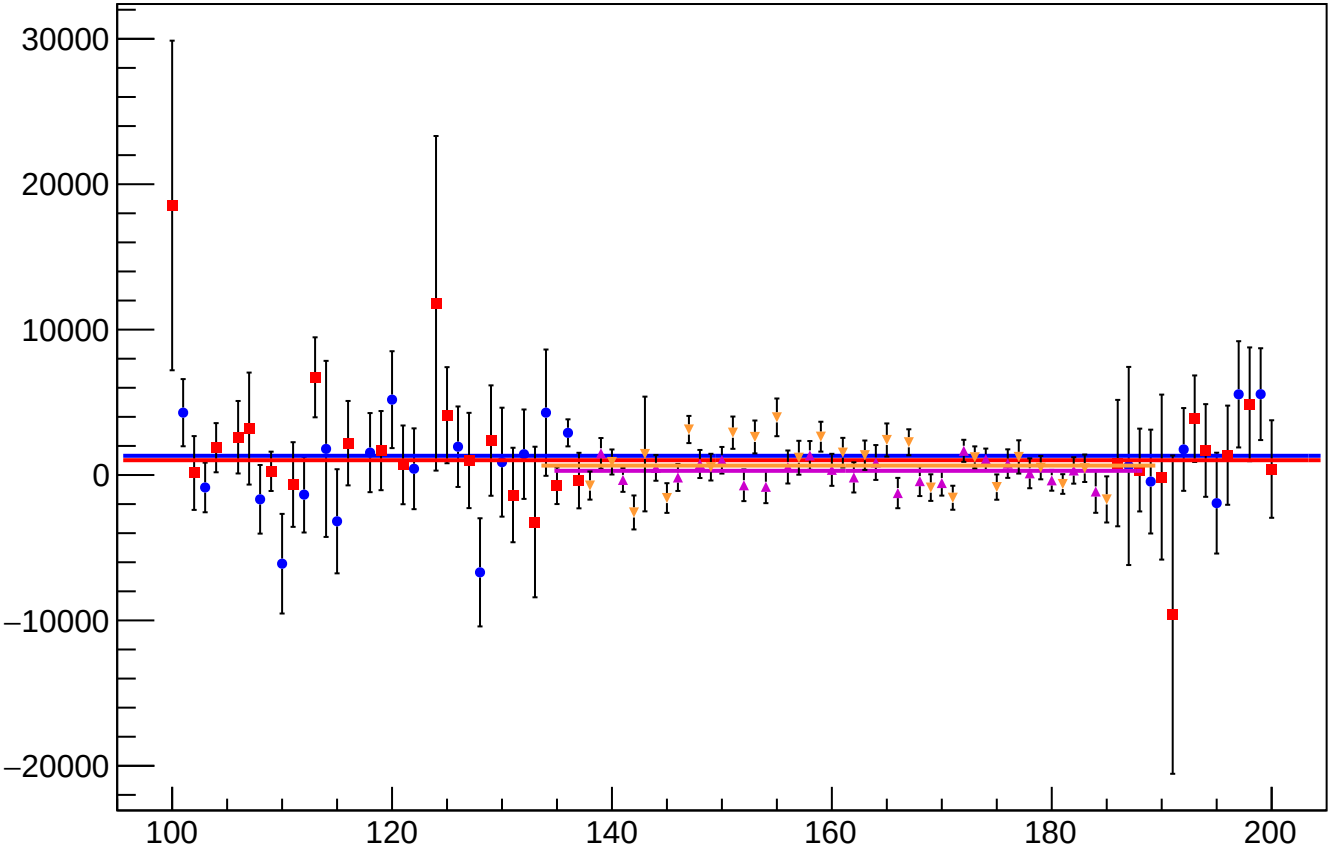
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.6/46

All: 1685.810+/-0.152 χ^2/NDF: 1791329.5/97

- sign 1684.100+/-0.213 χ^2/NDF: 831191.2/50

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1018.368+/-506.741 χ^2/NDF: 17.3/27

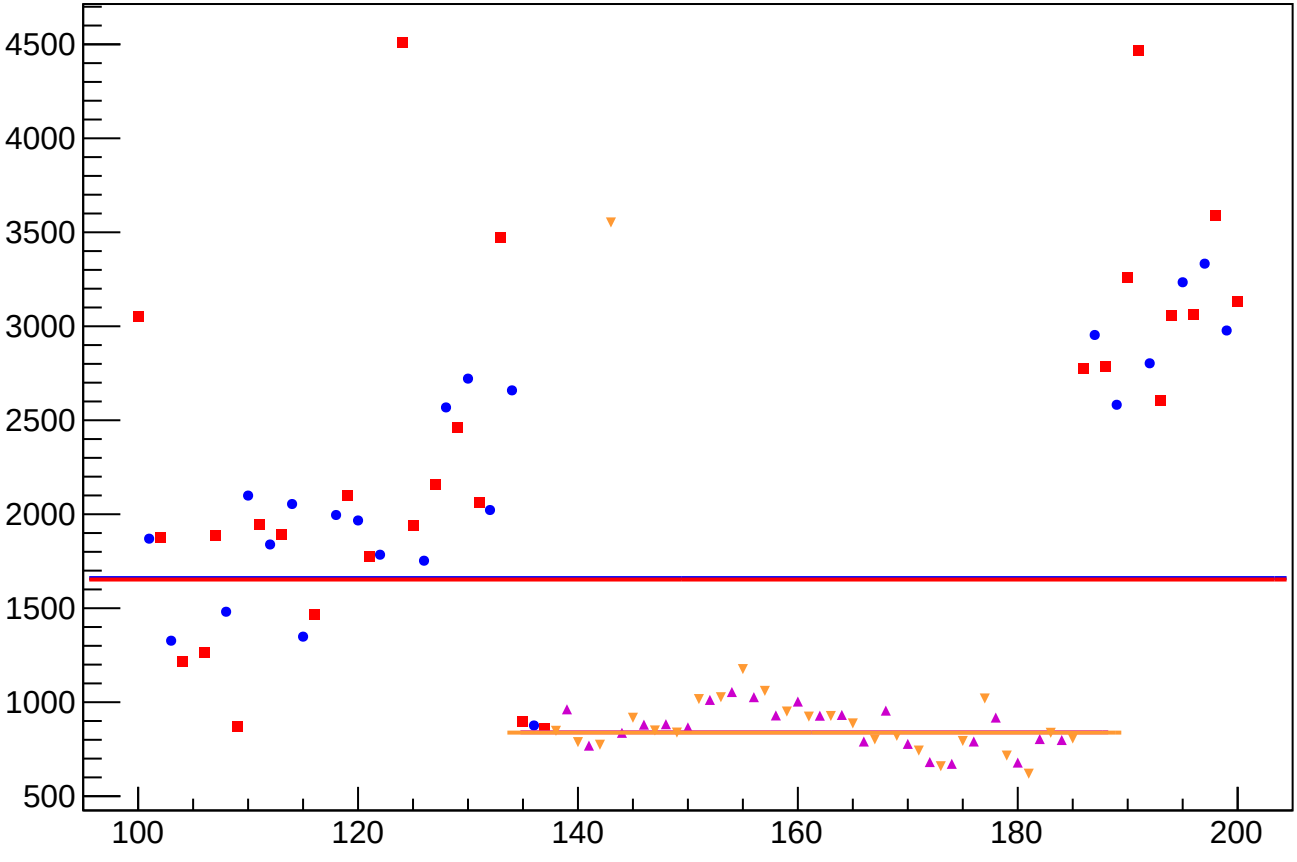
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 728.162+/-183.833 χ^2/NDF: 92.9/46

All: 557.838+/-130.338 χ^2/NDF: 130.3/97

- sign 385.678+/-184.821 χ^2/NDF: 35.6/50

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

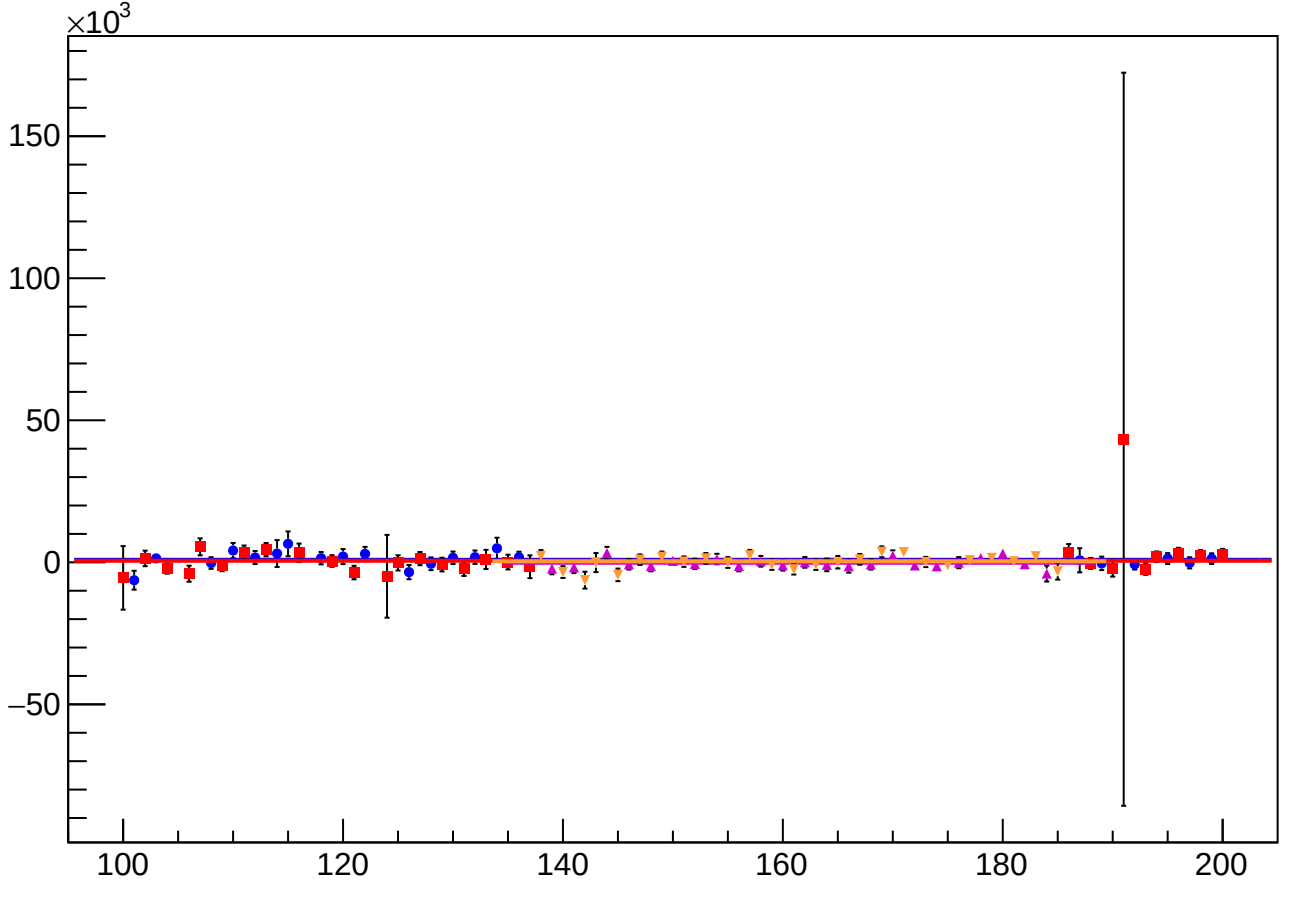
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 934.735+/-0.130 χ^2/NDF: 9707979.5/46

All: 941.375+/-0.092 χ^2/NDF: 20028741.0/97

- sign 948.086+/-0.131 χ^2/NDF: 10315515.4/50

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 550.753+/-467.555 χ^2/NDF: 27.7/27

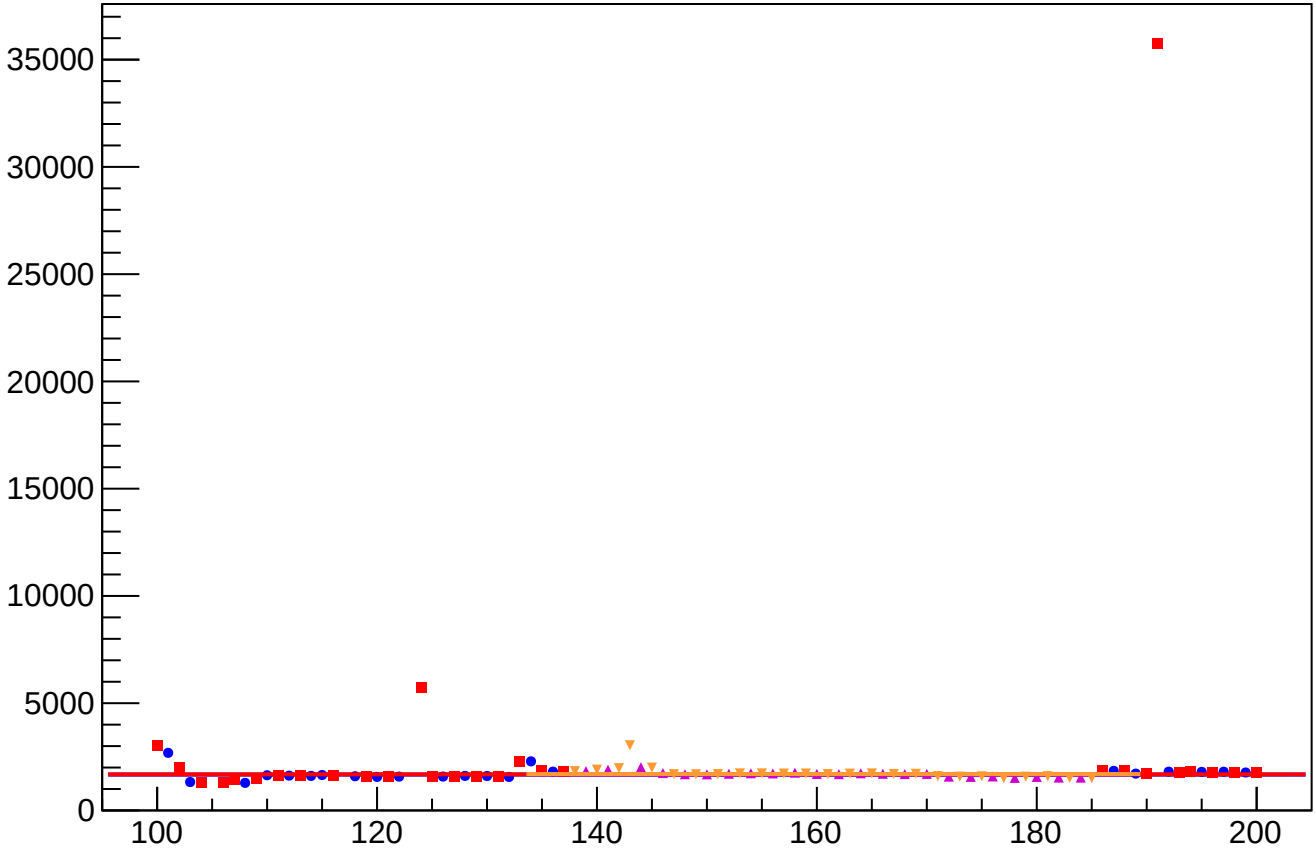
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 561.322+/-305.991 χ^2/NDF: 46.4/46

All: 346.035+/-214.728 χ^2/NDF: 92.4/97

- sign 137.153+/-301.404 χ^2/NDF: 45.0/50

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

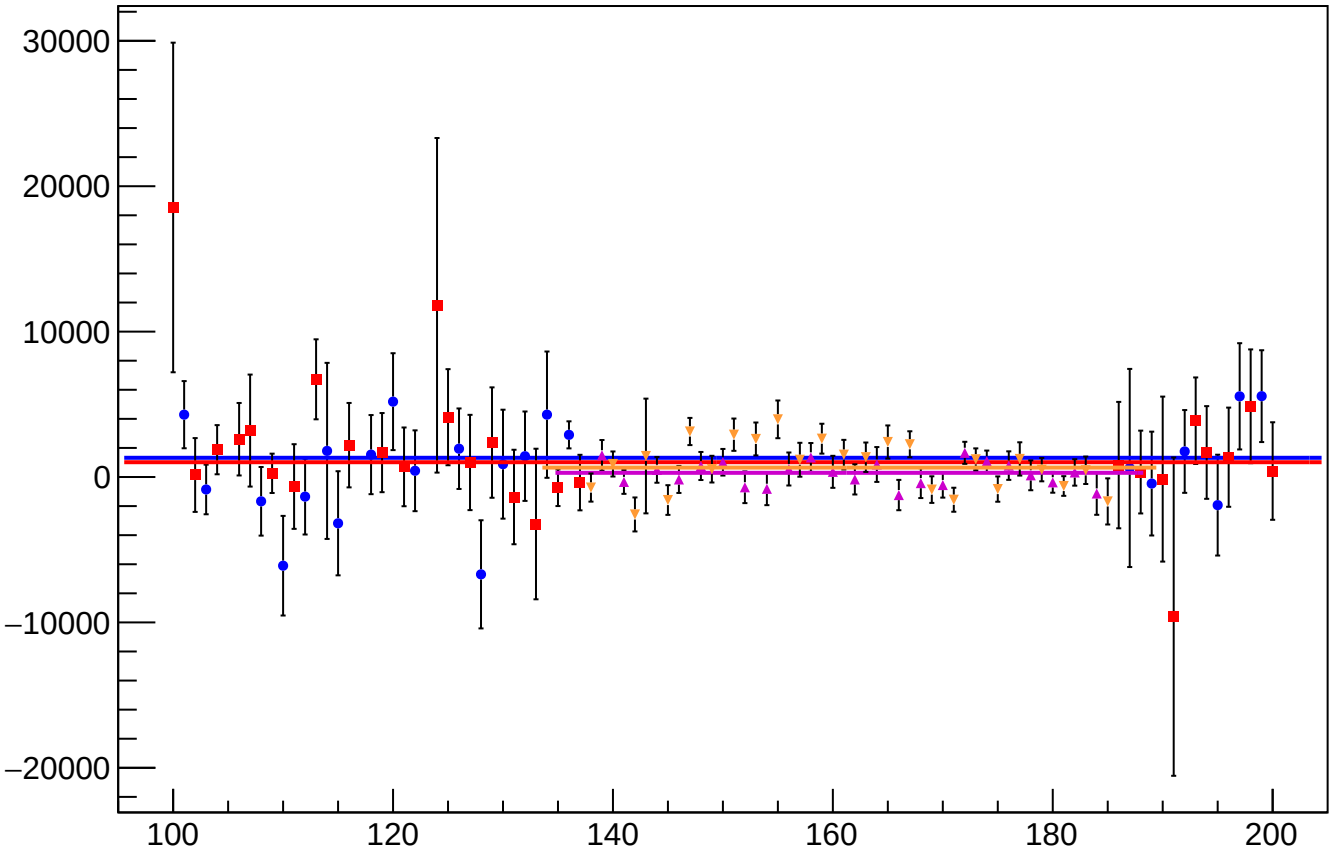
Right Out: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.6/46

All: 1685.810+/-0.152 χ^2/NDF: 1791329.5/97

- sign 1684.100+/-0.213 χ^2/NDF: 831191.2/50



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1018.368+/-506.741 χ^2/NDF: 17.3/27

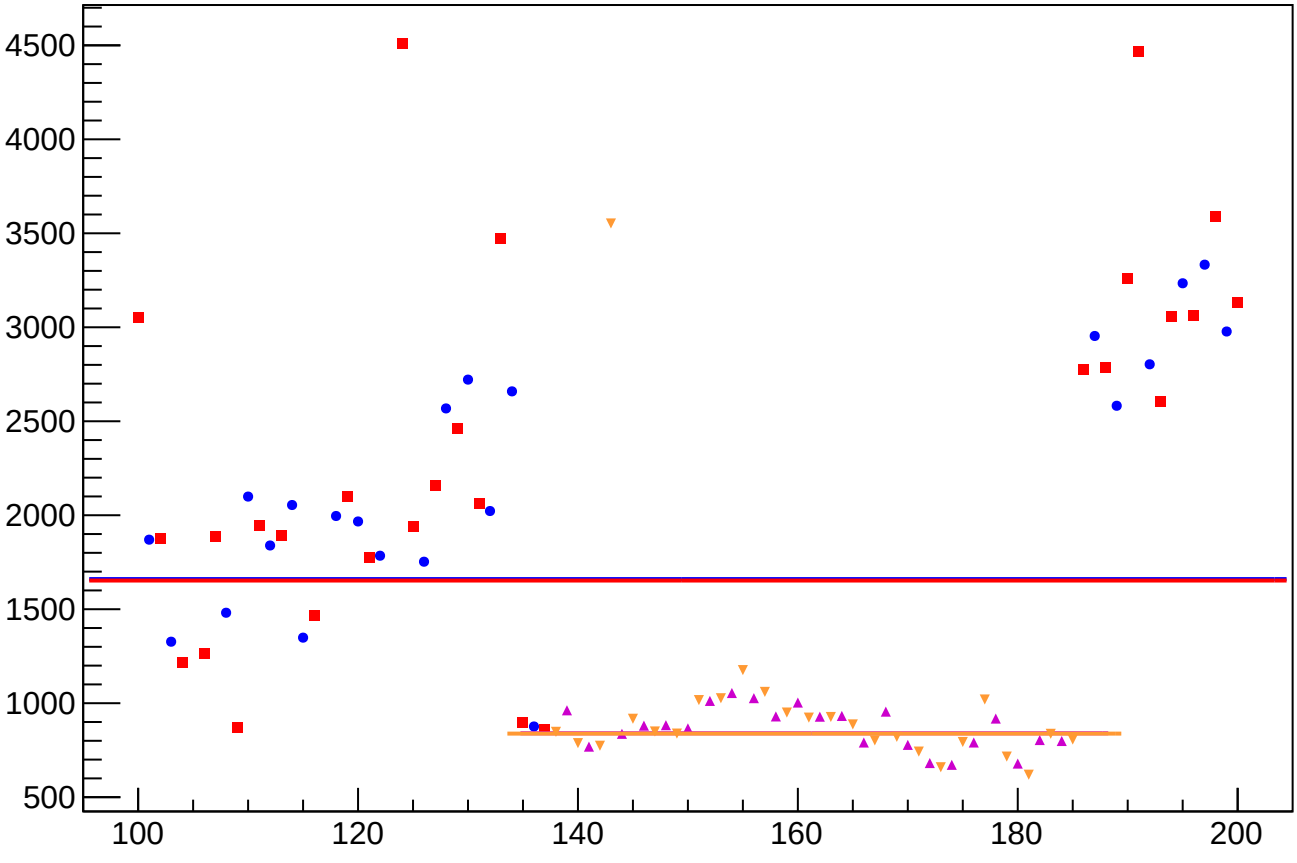
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 728.162+/-183.833 χ^2/NDF: 92.9/46

All: 557.838+/-130.338 χ^2/NDF: 130.3/97

- sign 385.678+/-184.821 χ^2/NDF: 35.6/50

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

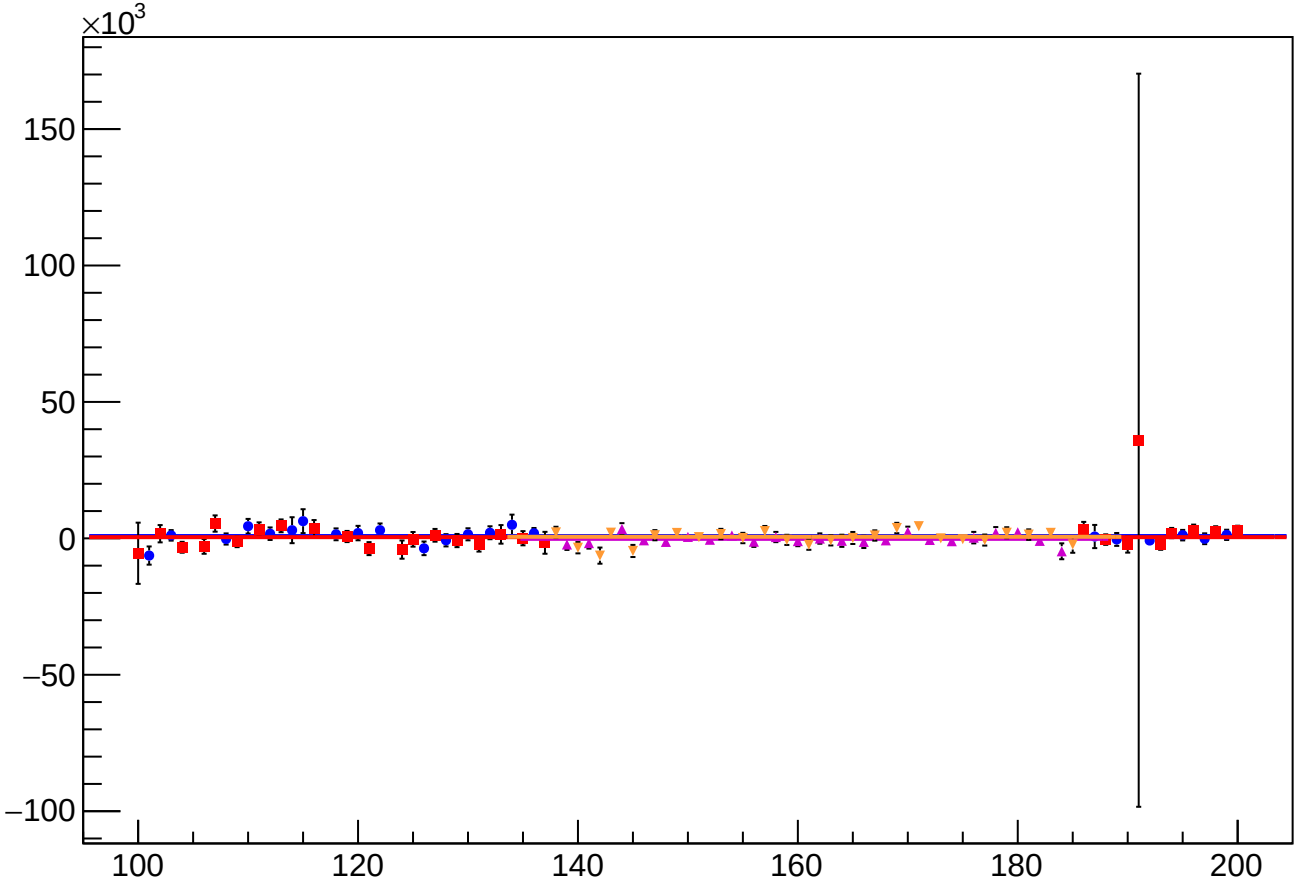
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 934.735+/-0.130 χ^2/NDF: 9707979.5/46

All: 941.375+/-0.092 χ^2/NDF: 20028741.0/97

- sign 948.086+/-0.131 χ^2/NDF: 10315515.4/50

dit_asym_at2_dd_mean vs Slug



Right In: 843.510+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 435.121+/-468.052 χ^2/NDF: 29.9/27

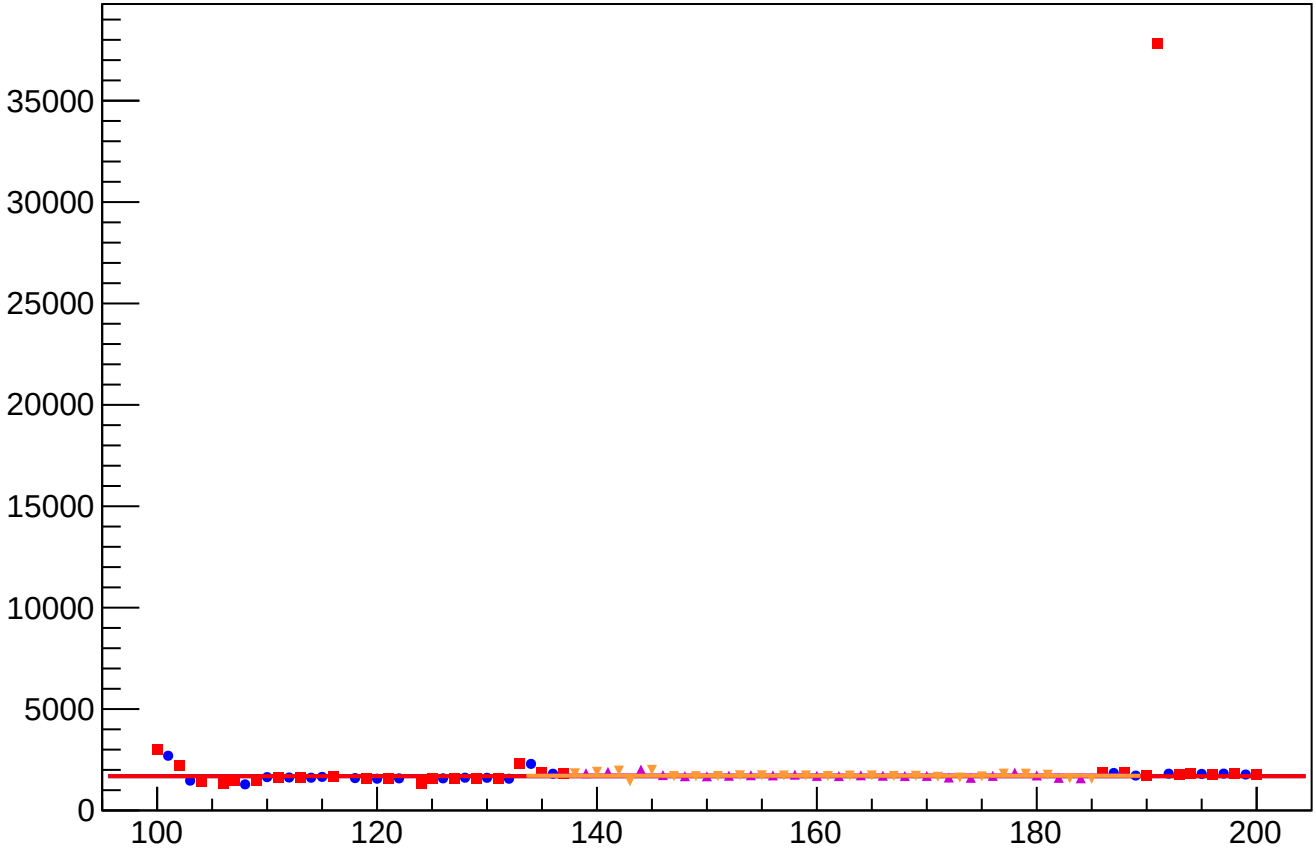
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 679.223+/-307.933 χ^2/NDF: 48.7/46

All: 377.270+/-217.009 χ^2/NDF: 96.0/97

- sign 79.349+/-305.870 χ^2/NDF: 45.4/50

dit_asym_at2_dd_rms vs Slug



Right In: 1689.818+/-0.355 χ^2/NDF: 406956.1/21

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1689.459+/-0.331 χ^2/NDF: 526096.2/27

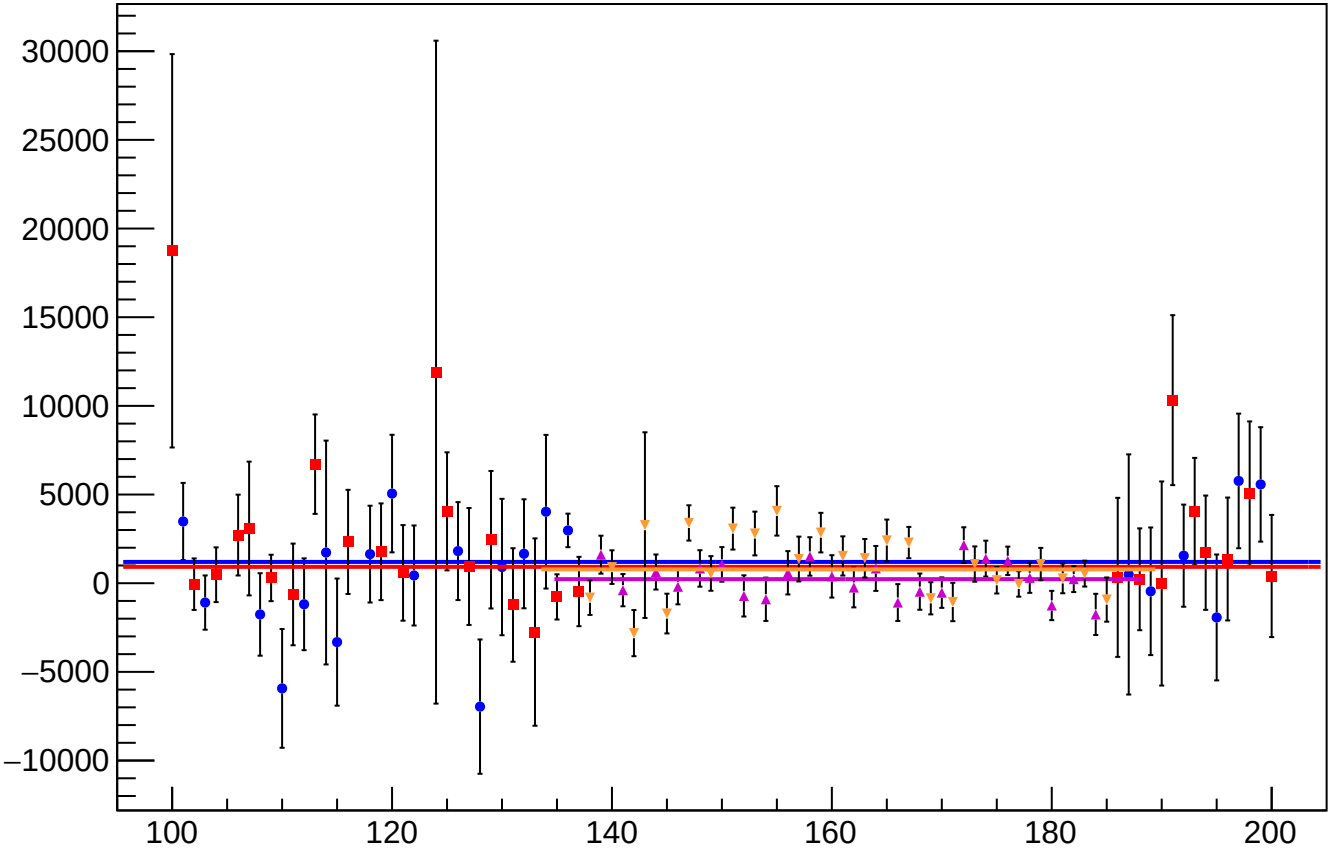
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1703.483+/-0.218 χ^2/NDF: 577334.2/46

All: 1707.514+/-0.153 χ^2/NDF: 1212072.2/97

- sign 1711.491+/-0.216 χ^2/NDF: 634057.3/50

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1200.252+/-532.621 χ^2/NDF: 26.4/21

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 921.952+/-480.707 χ^2/NDF: 19.9/27

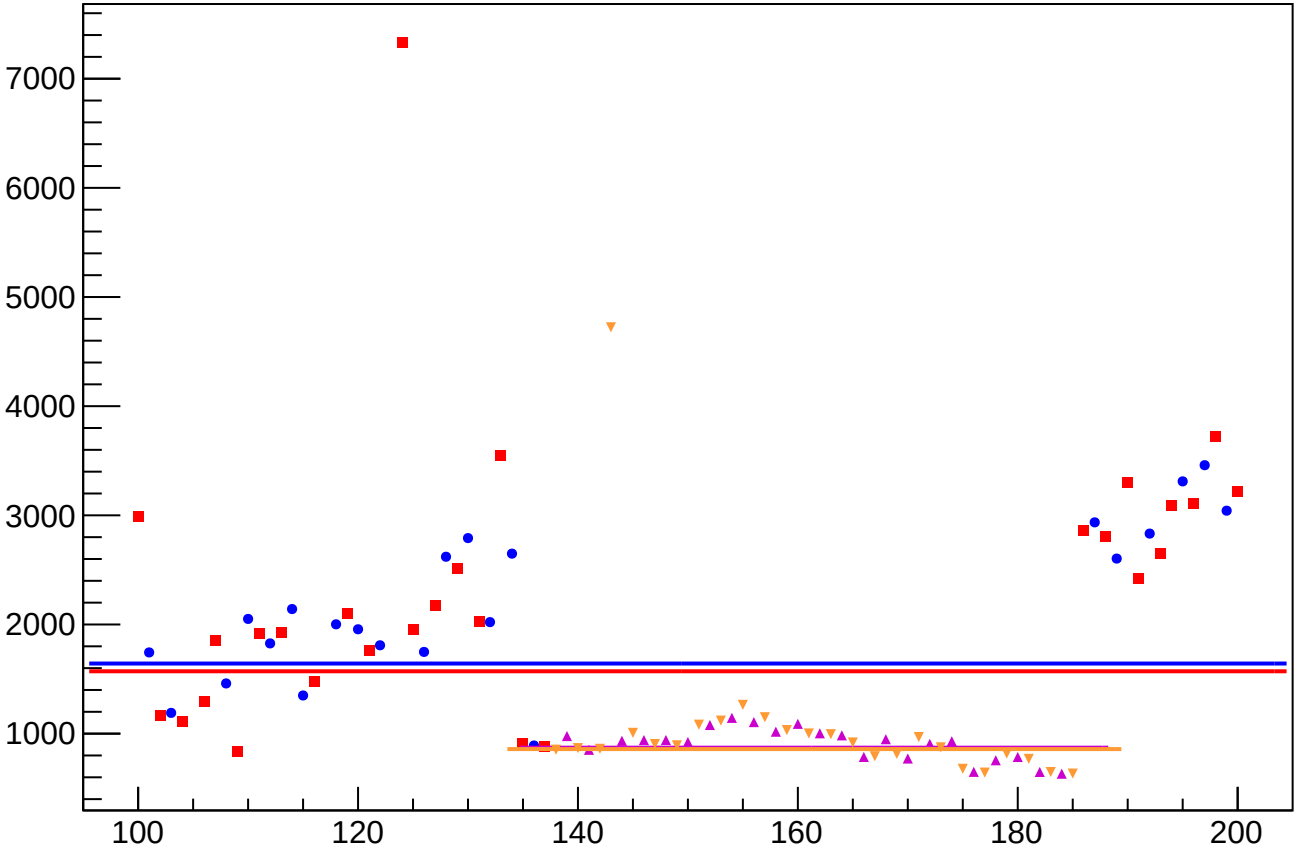
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 831.784+/-188.579 χ^2/NDF: 81.5/46

All: 586.123+/-133.807 χ^2/NDF: 129.2/97

\- sign 337.030+/-189.892 χ^2/NDF: 44.3/50

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1642.290+/-0.377 χ^2/NDF: 3864970.1/21

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1571.248+/-0.340 χ^2/NDF: 5585882.1/27

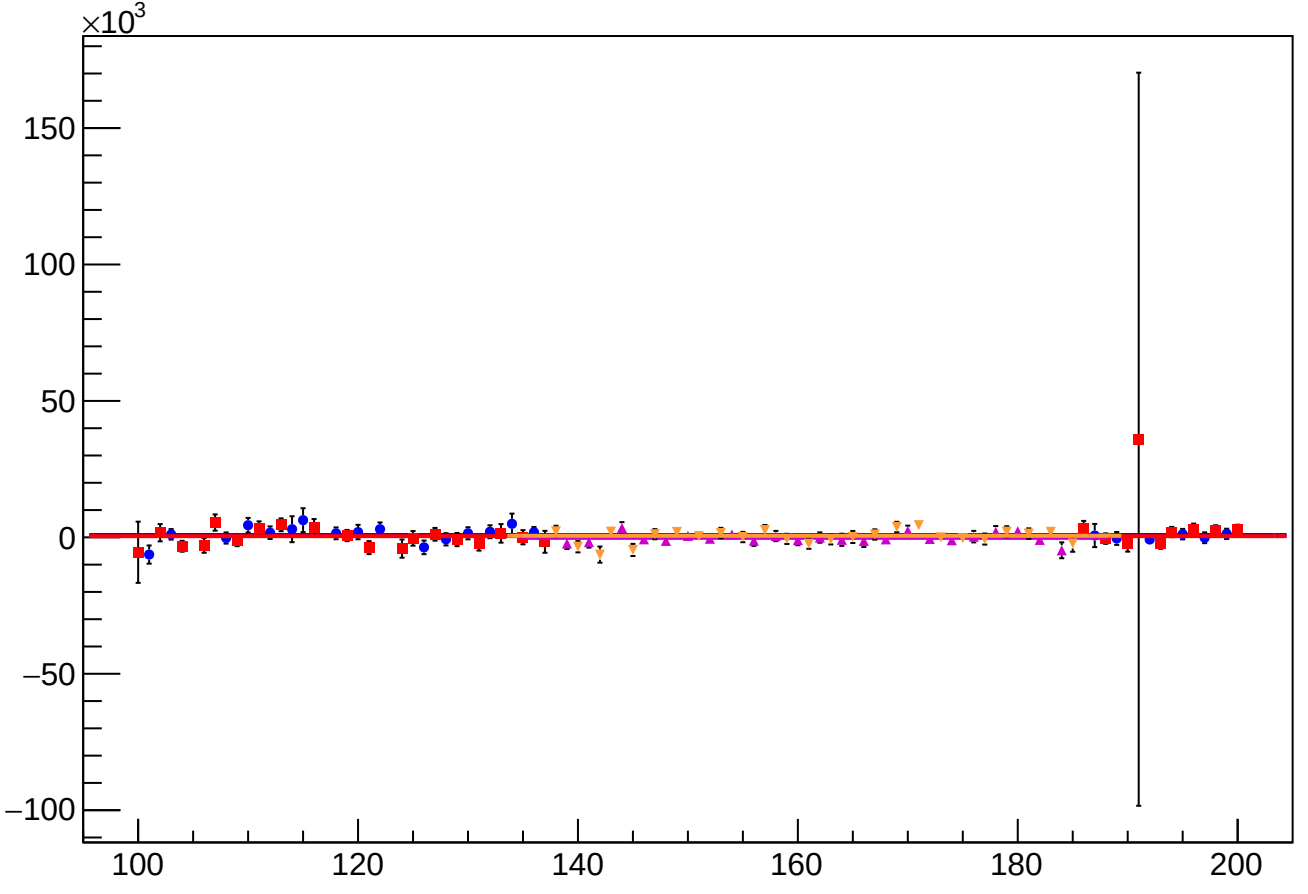
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 956.835+/-0.133 χ^2/NDF: 9931962.2/46

All: 968.692+/-0.095 χ^2/NDF: 20089459.8/97

- sign 980.715+/-0.134 χ^2/NDF: 10141573.3/50

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 843.512+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 435.118+/-468.052 χ^2/NDF: 29.9/27

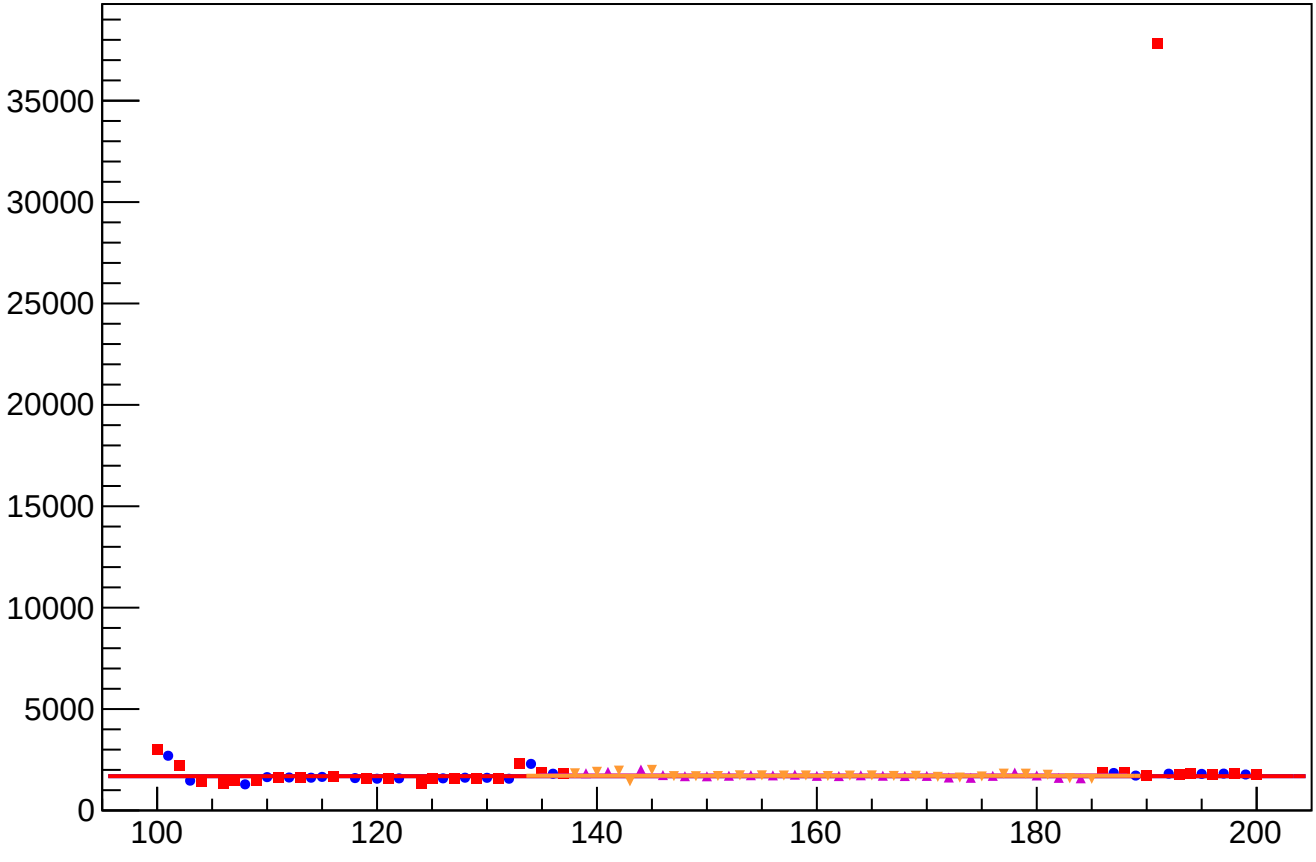
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 679.222+/-307.933 χ^2/NDF: 48.7/46

All: 377.269+/-217.009 χ^2/NDF: 96.0/97

- sign 79.347+/-305.870 χ^2/NDF: 45.4/50

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1689.818+/-0.355 χ^2/NDF: 406955.9/21

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1689.459+/-0.331 χ^2/NDF: 526096.4/27

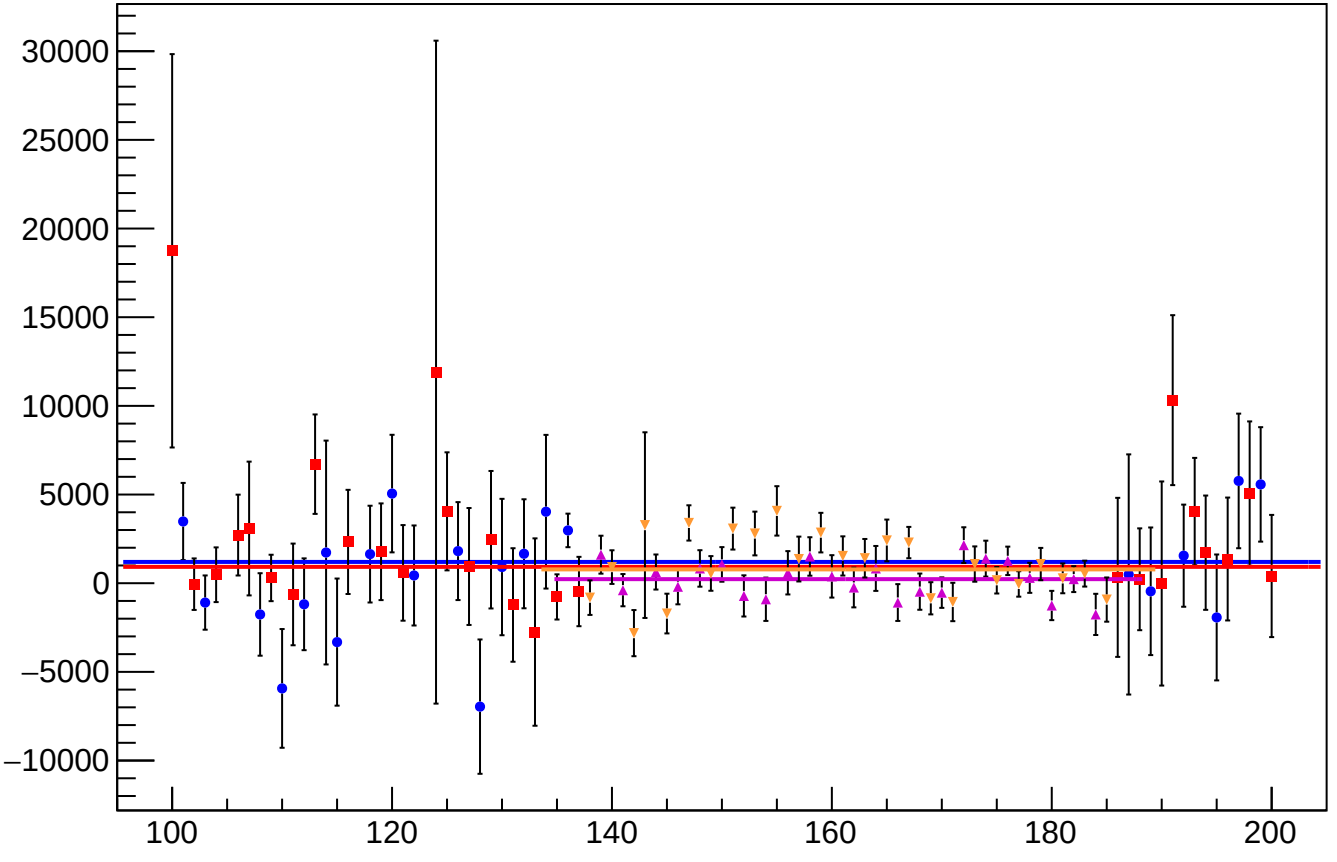
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1703.483+/-0.218 χ^2/NDF: 577332.7/46

All: 1707.514+/-0.153 χ^2/NDF: 1212070.8/97

- sign 1711.490+/-0.216 χ^2/NDF: 634057.4/50

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1200.245+/-532.624 χ^2/NDF: 26.4/21

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 921.967+/-480.710 χ^2/NDF: 19.9/27

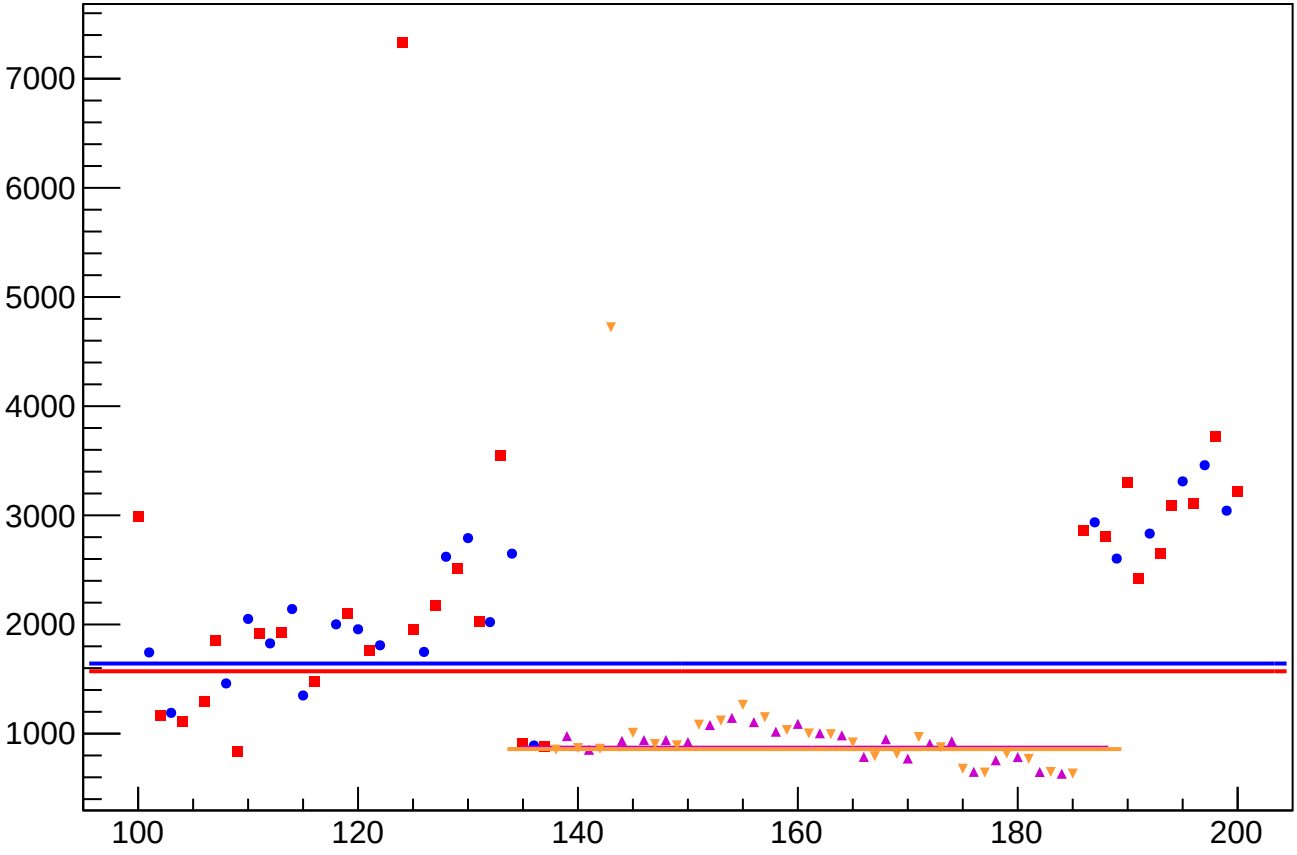
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 831.785+/-188.579 χ^2/NDF: 81.5/46

All: 586.123+/-133.807 χ^2/NDF: 129.2/97

\- sign 337.029+/-189.892 χ^2/NDF: 44.3/50

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1642.305+/-0.377 χ^2/NDF: 3864834.2/21

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1571.262+/-0.340 χ^2/NDF: 5585756.4/27

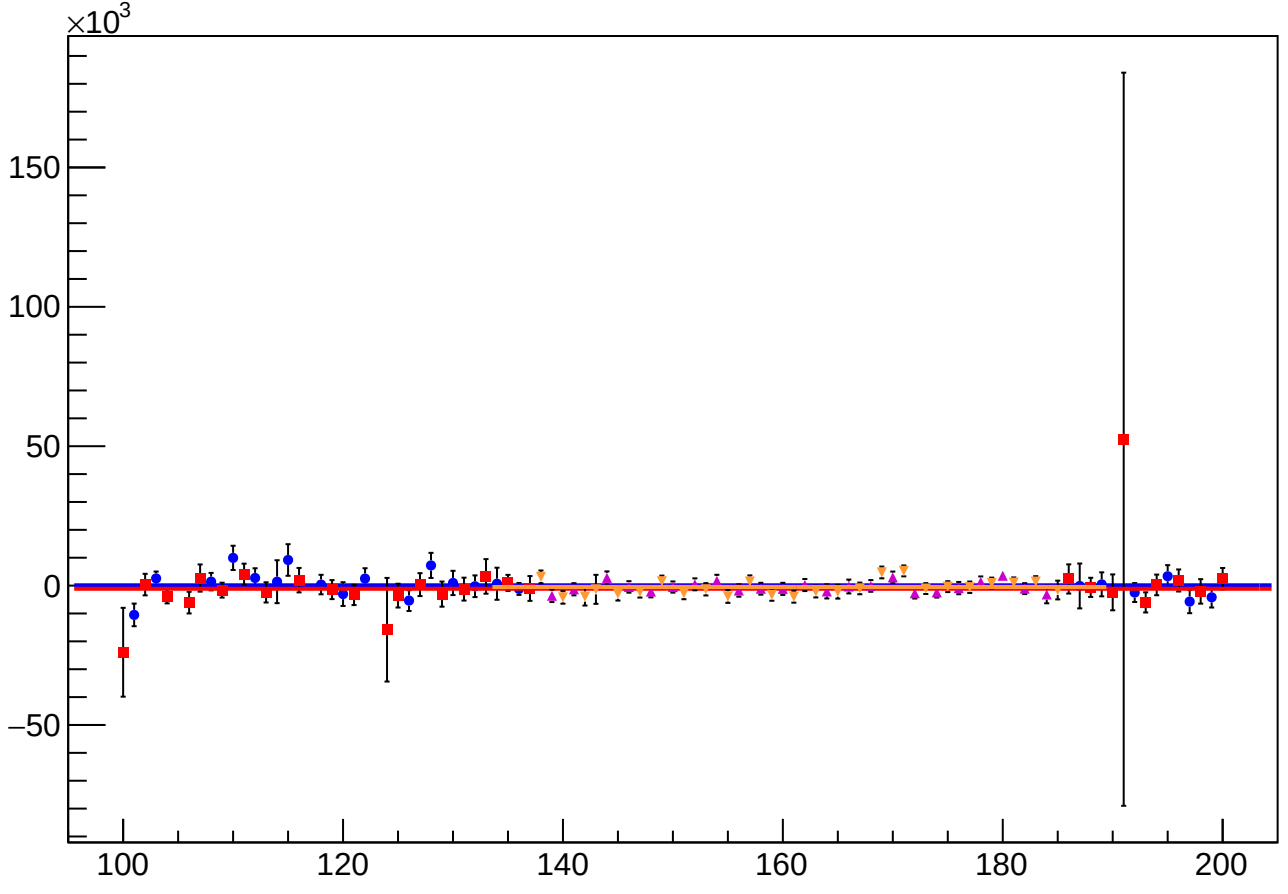
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 956.836+/-0.133 χ^2/NDF: 9931929.0/46

All: 968.693+/-0.095 χ^2/NDF: 20089424.8/97

- sign 980.715+/-0.134 χ^2/NDF: 10141572.9/50

asym_at2_dd_mean vs Slug



Right In: 112.803+/-800.591 χ^2/NDF: 26.9/21

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1141.171+/-758.418 χ^2/NDF: 15.0/27

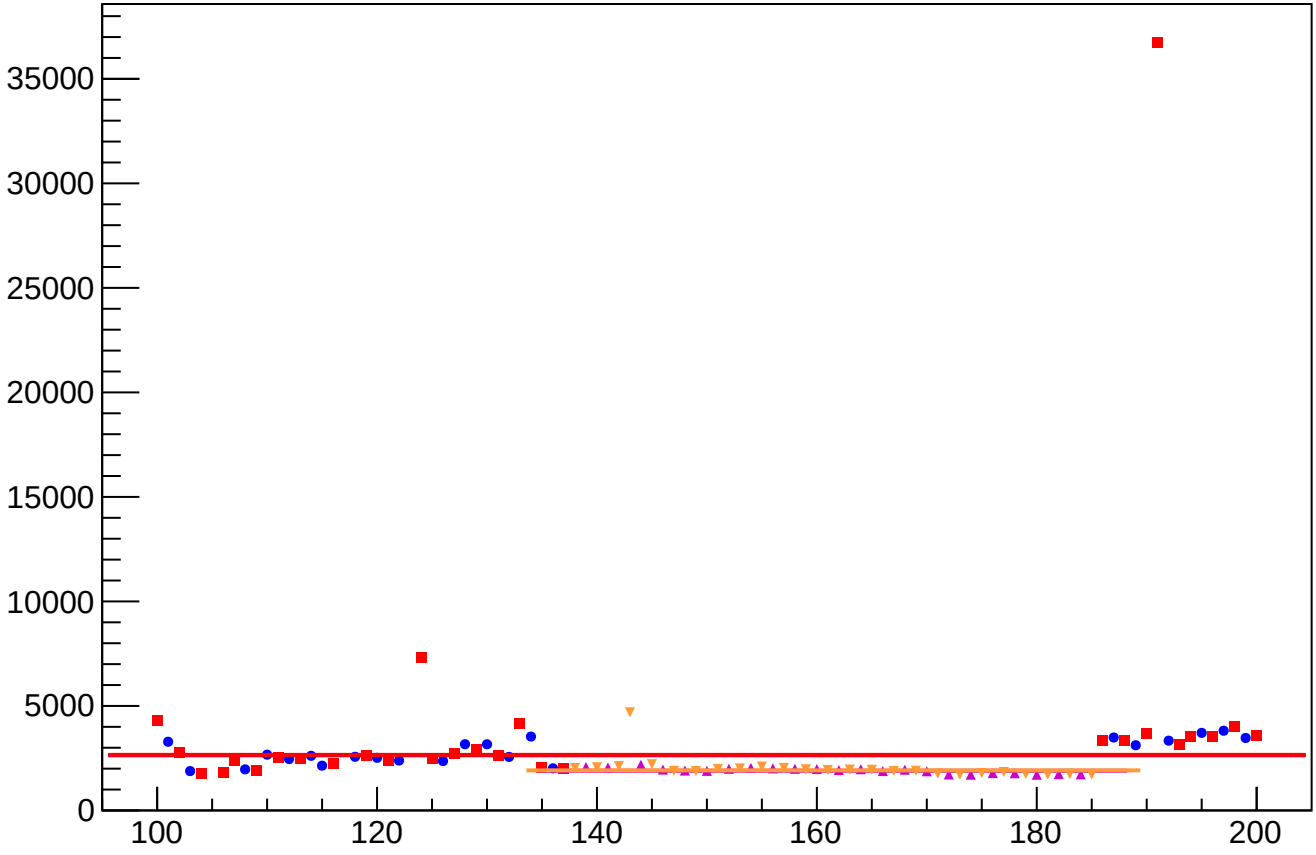
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -359.047+/-385.545 χ^2/NDF: 63.3/46

All: -479.134+/-271.908 χ^2/NDF: 98.1/97

- sign -597.973+/-383.536 χ^2/NDF: 34.6/50

asym_at2_dd_rms vs Slug



Right In: 2641.257+/-0.566 χ^2/NDF: 1189114.4/21

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2659.118+/-0.536 χ^2/NDF: 1840589.7/27

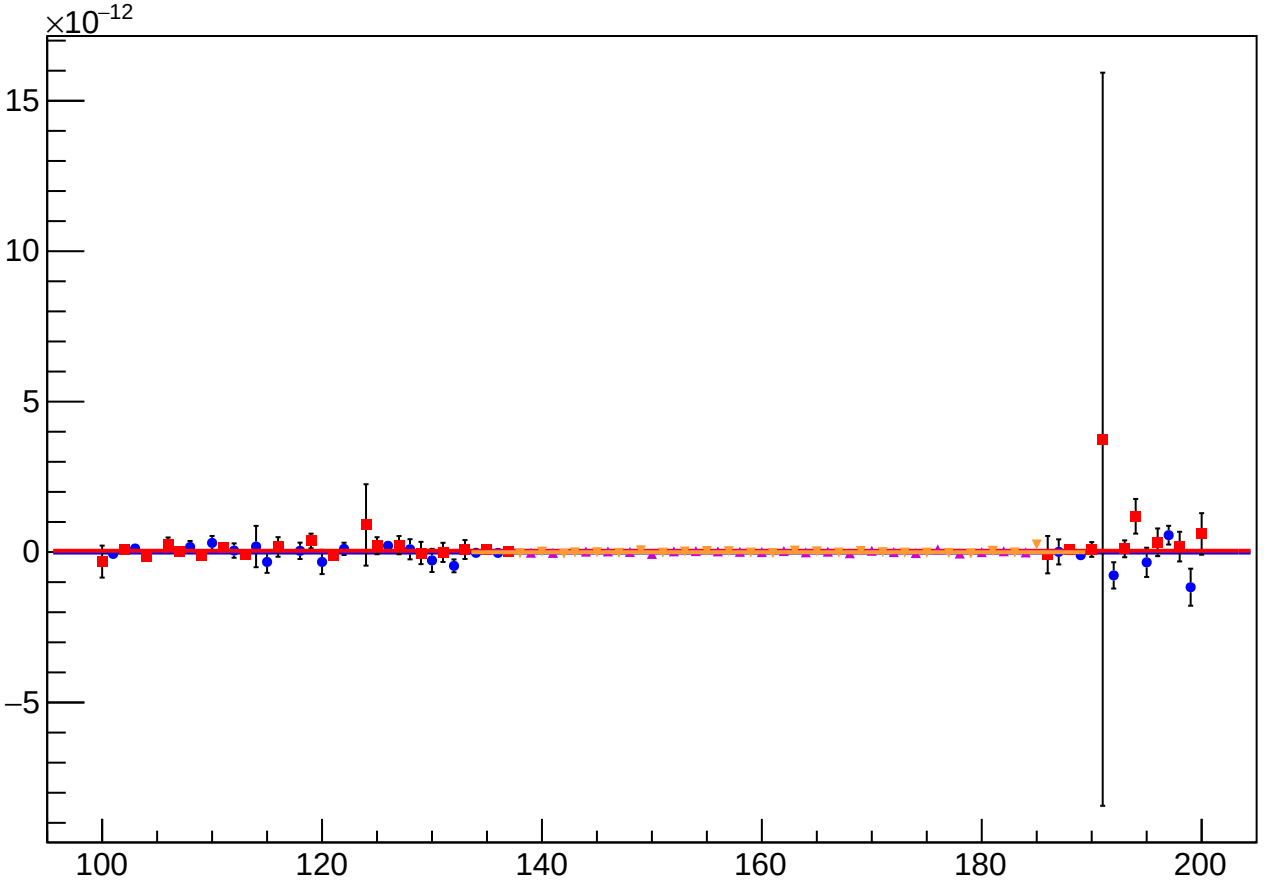
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2085.087+/-0.273 χ^2/NDF: 3202153.5/46

All: 2089.353+/-0.192 χ^2/NDF: 6710860.1/97

- sign 2093.575+/-0.271 χ^2/NDF: 3508219.4/50

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/27

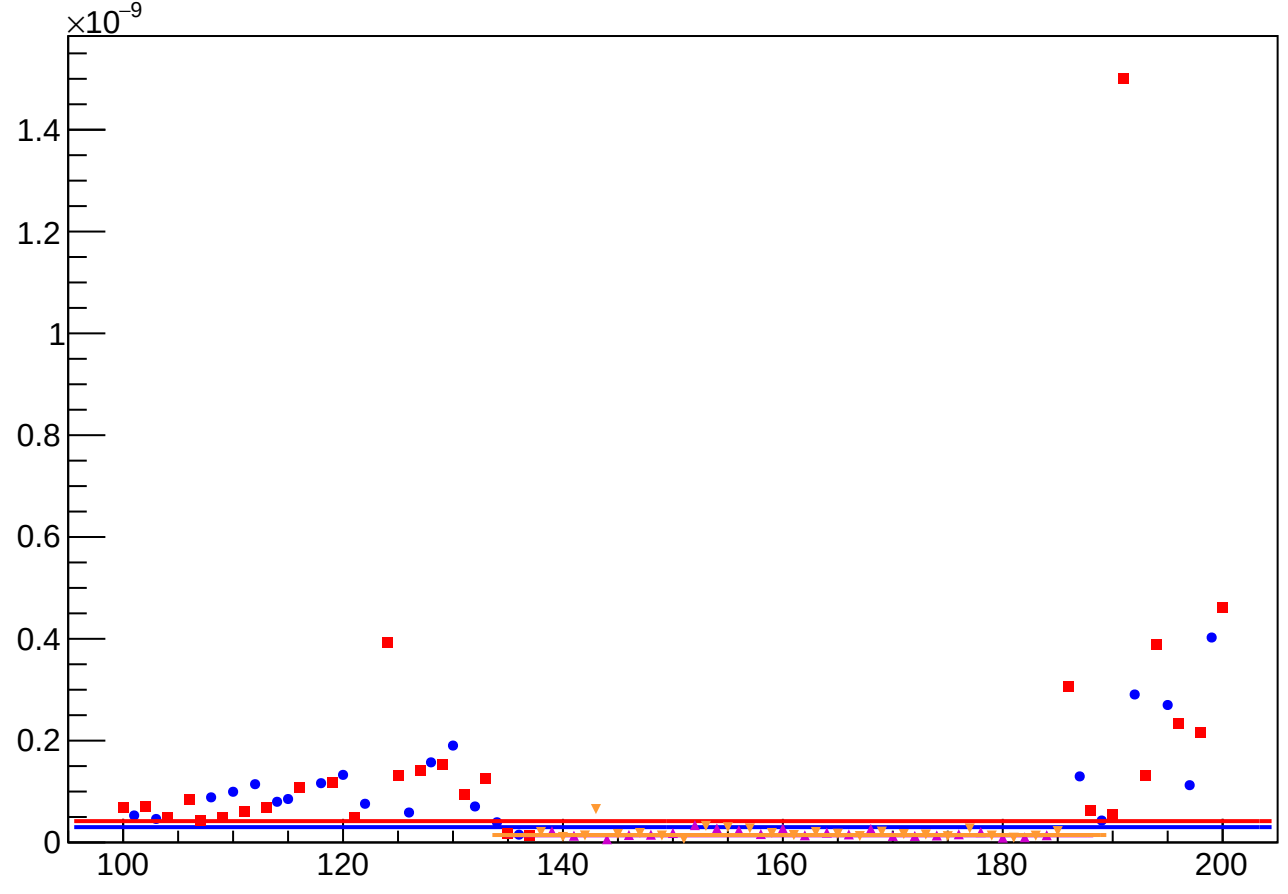
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/46

All: 0.000+/-0.000 χ^2/NDF: 105.5/97

- sign 0.000+/-0.000 χ^2/NDF: 47.5/50

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4958661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5237189.8/27

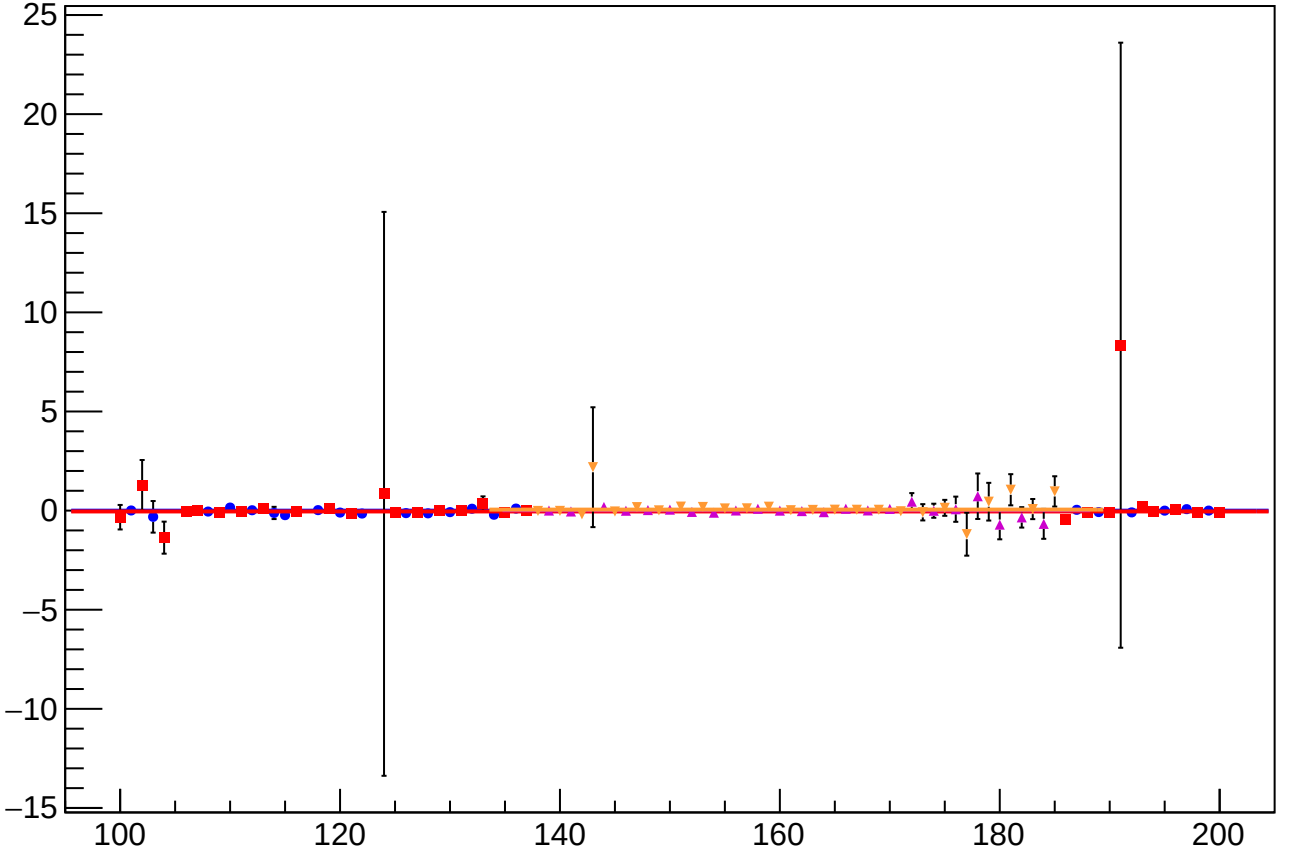
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7774473.9/46

All: 0.000+/-0.000 χ^2/NDF: 17027124.8/97

- sign 0.000+/-0.000 χ^2/NDF: 9247496.8/50

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.042+/-0.021 χ^2/NDF: 22.9/27

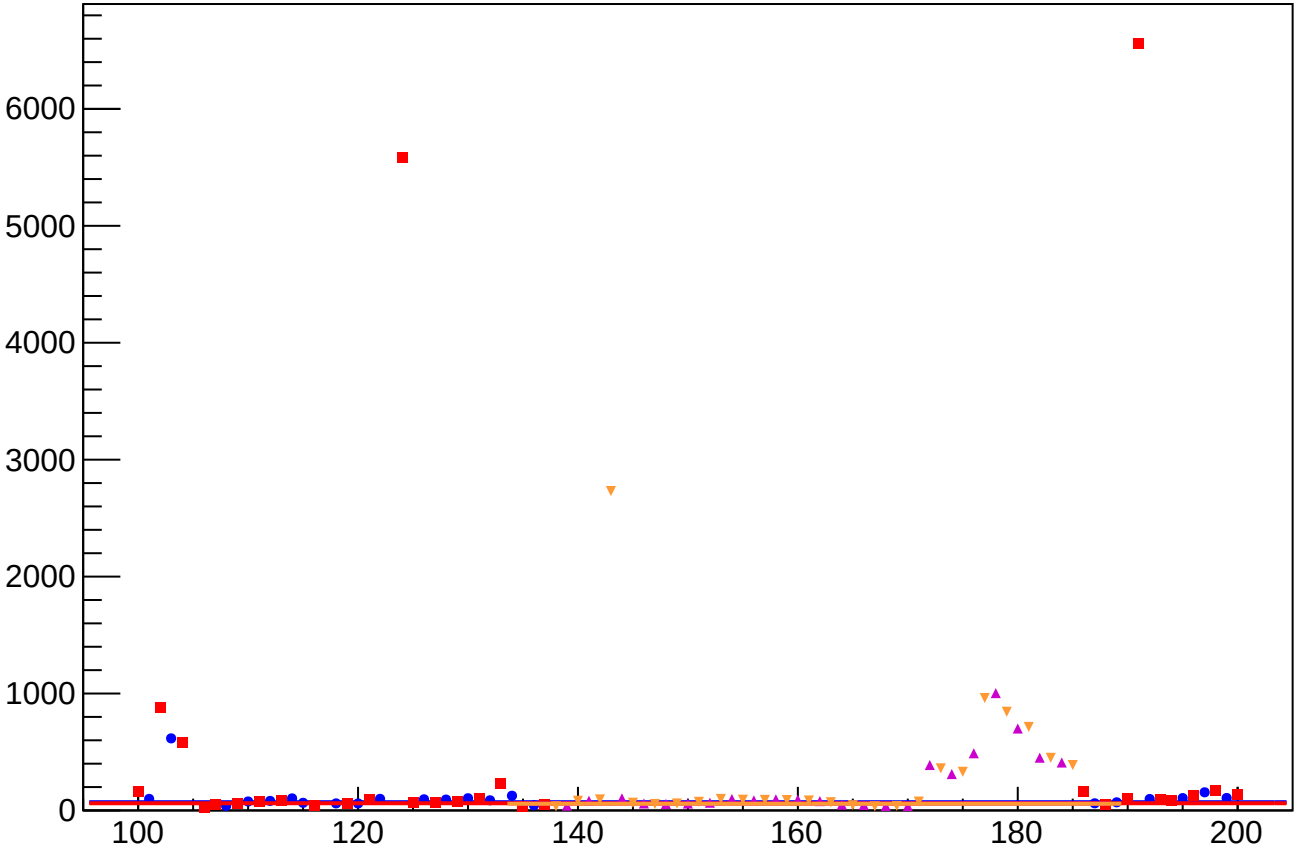
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.012+/-0.010 χ^2/NDF: 89.8/97

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

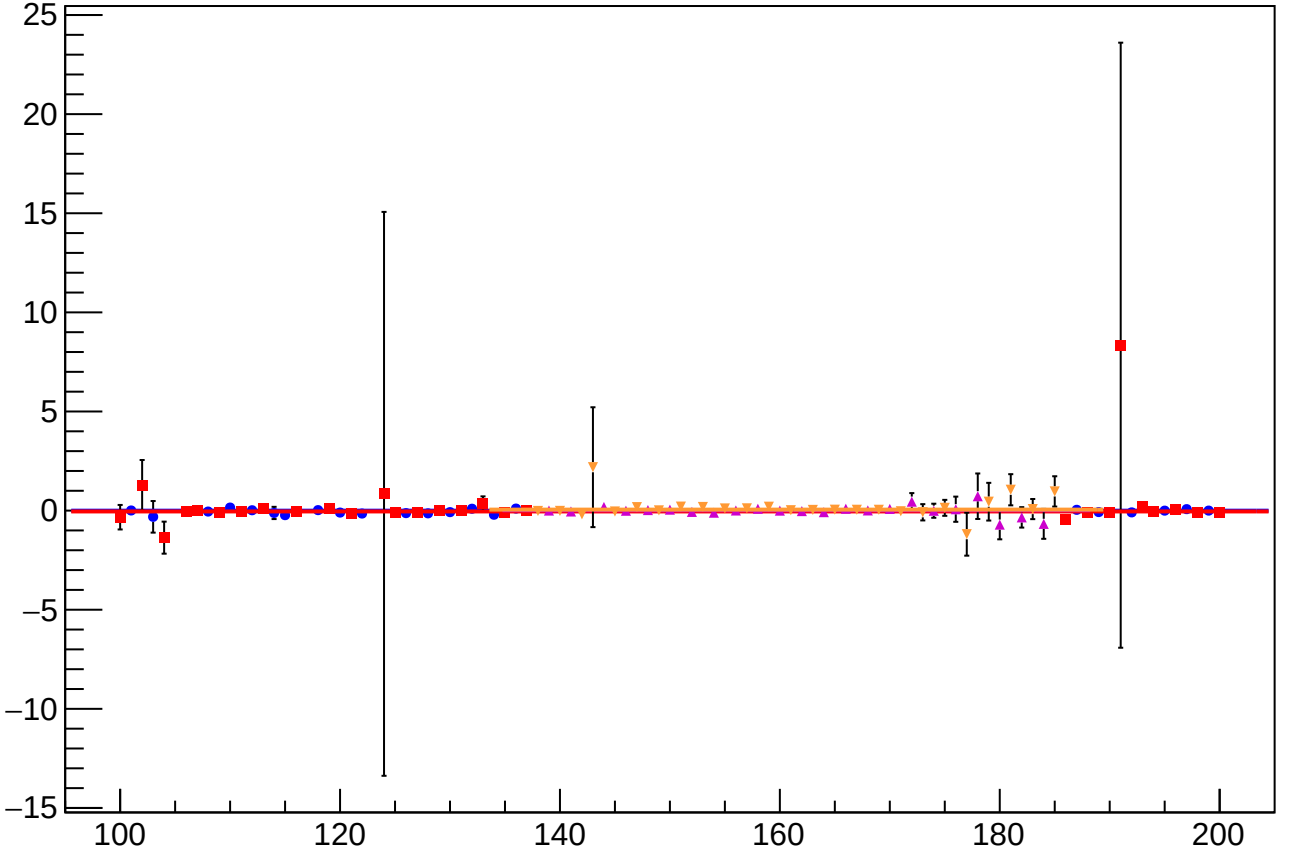
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.776+/-0.010 χ^2/NDF: 16272242.1/46

All: 60.746+/-0.007 χ^2/NDF: 33330724.5/97

- sign 59.807+/-0.009 χ^2/NDF: 17037342.7/50

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.042+/-0.021 χ^2/NDF: 22.9/27

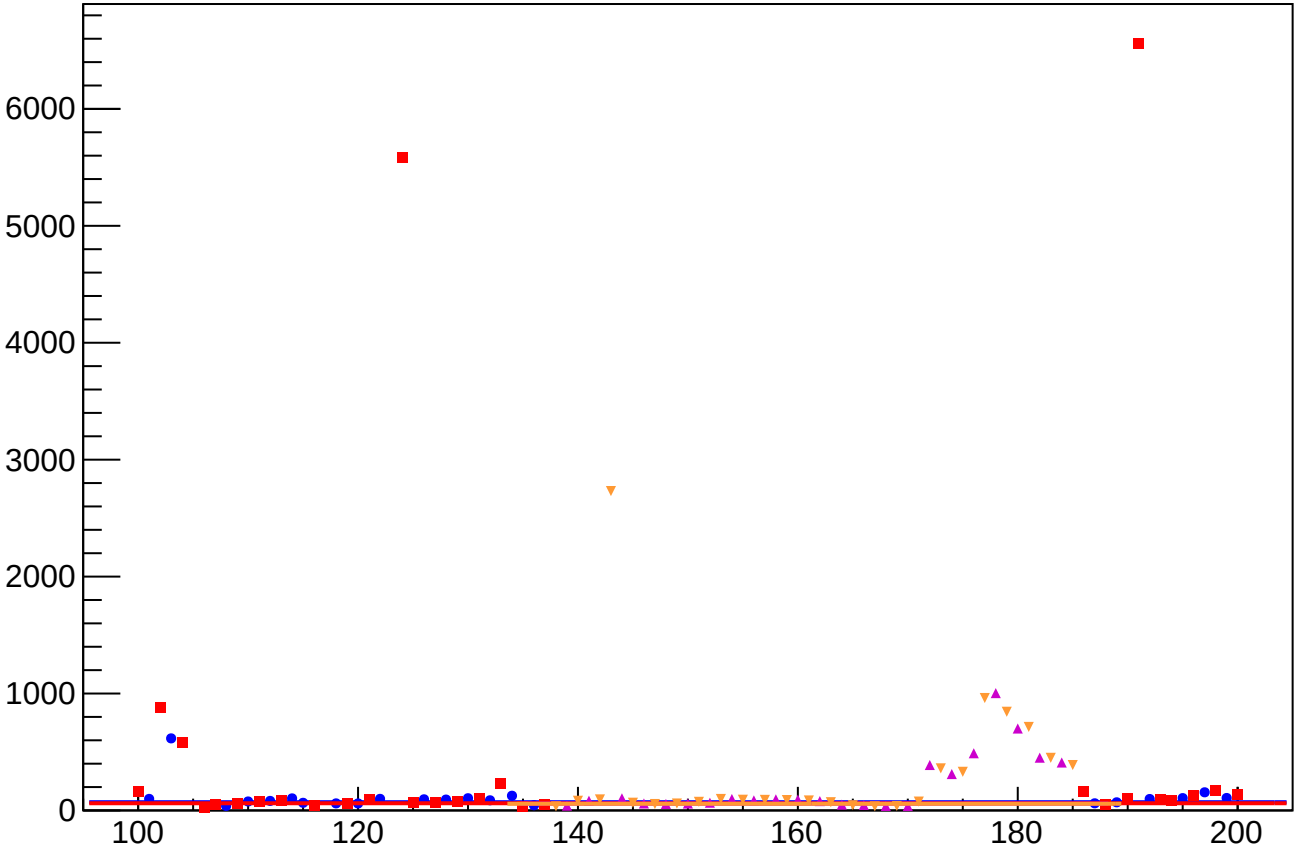
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.012+/-0.010 χ^2/NDF: 89.8/97

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

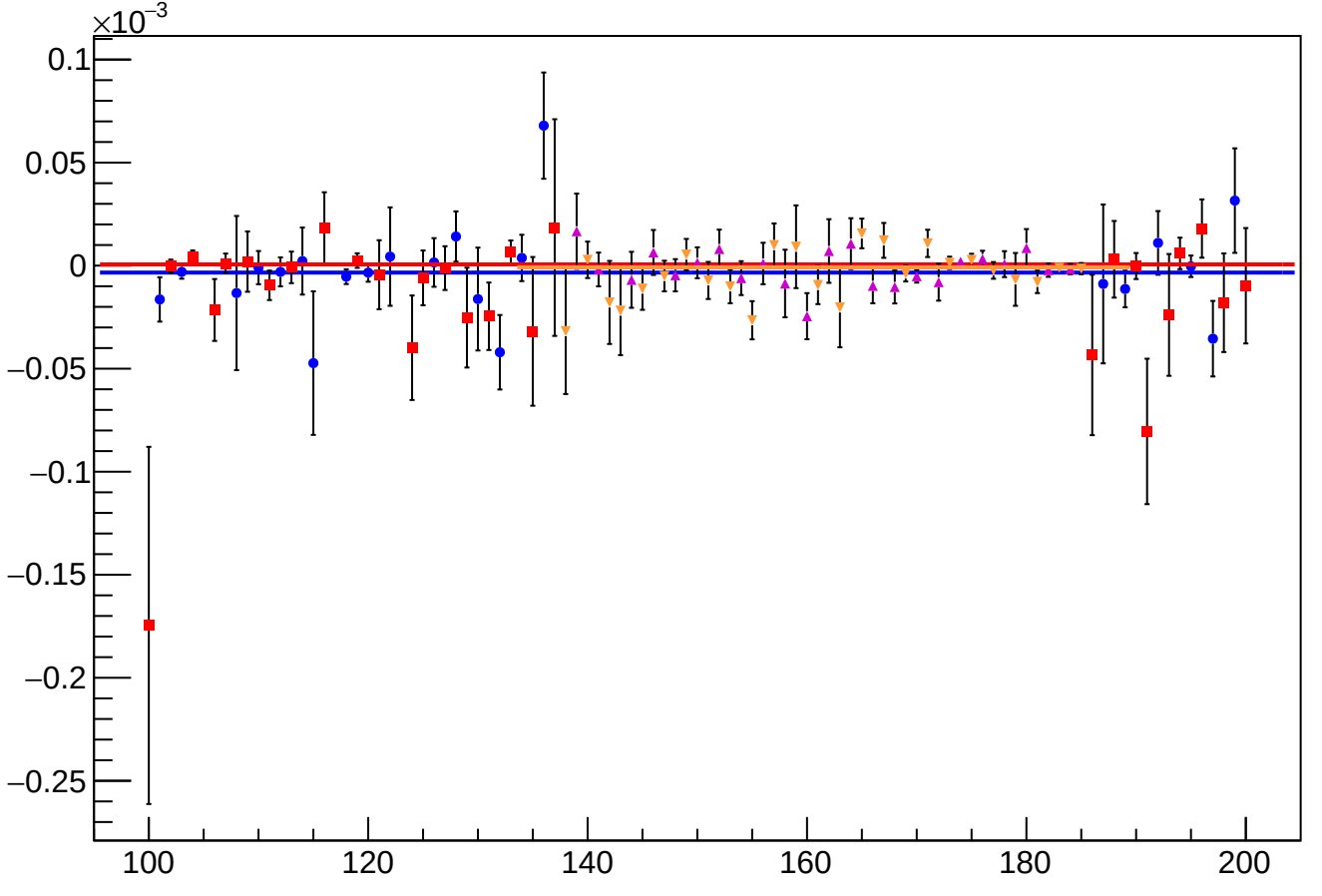
Right Out: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.776+/-0.010 χ^2/NDF: 16272242.1/46

All: 60.746+/-0.007 χ^2/NDF: 33330724.5/97

- sign 59.807+/-0.009 χ^2/NDF: 17037342.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

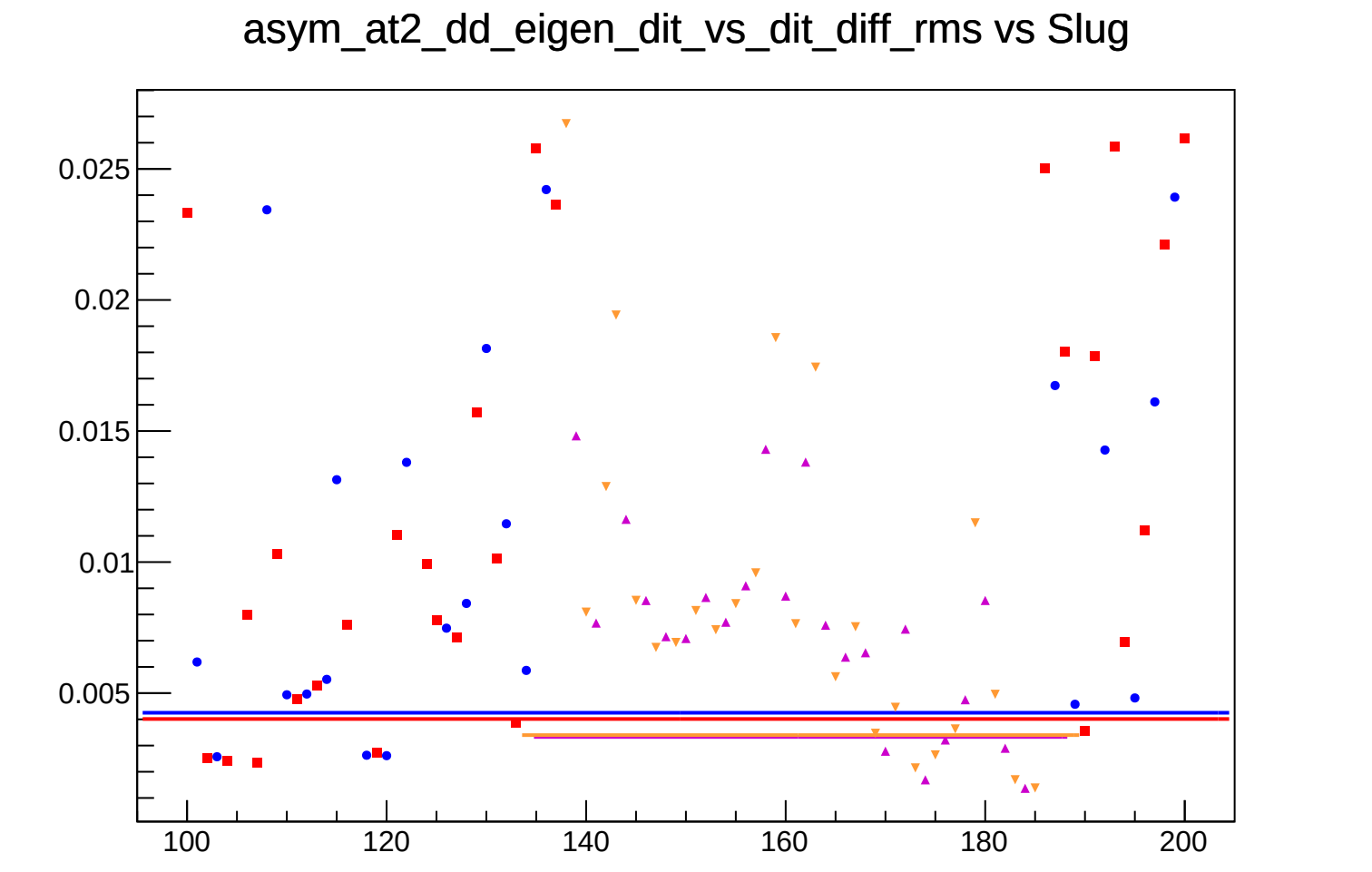
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/27

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

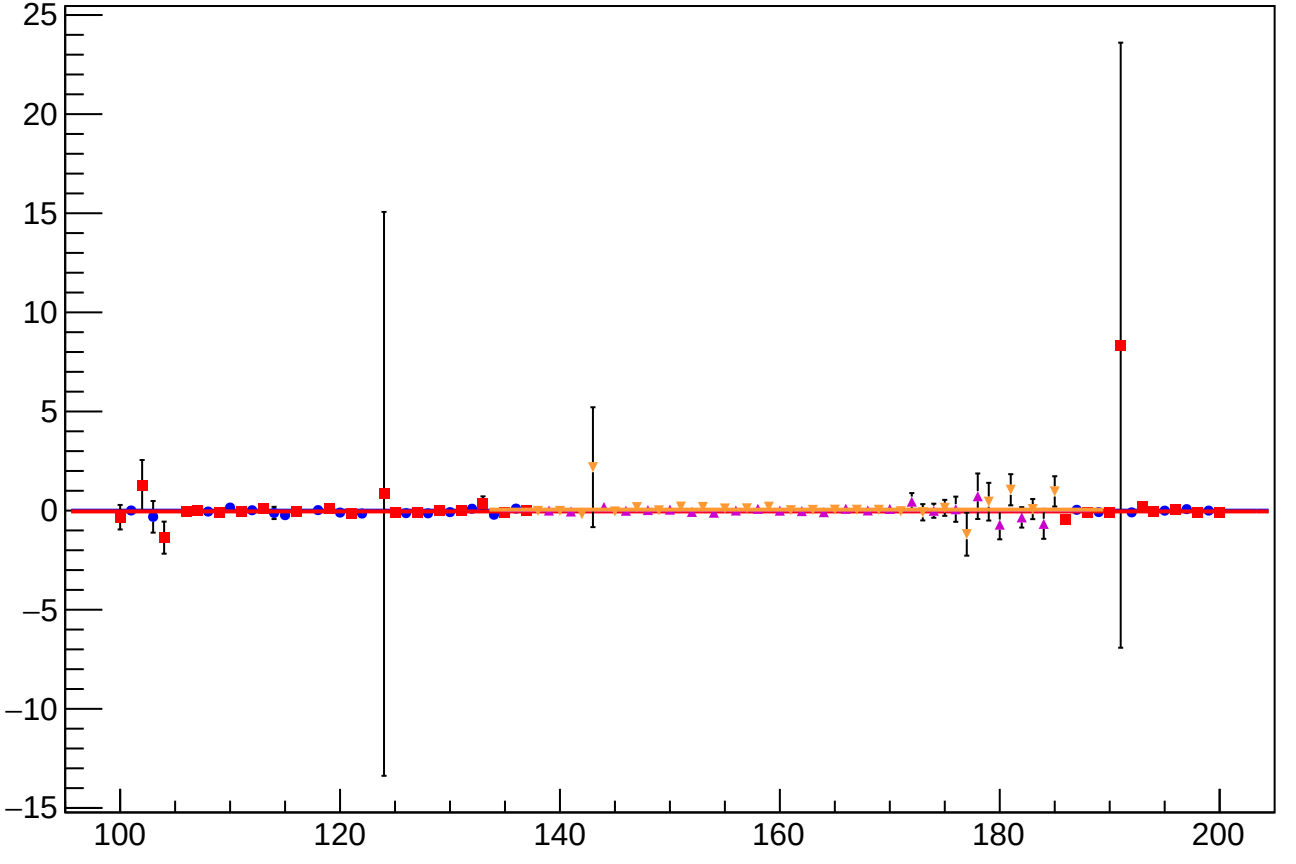
+ sign -0.000+/-0.000 χ^2/NDF: 60.4/46

All: -0.000+/-0.000 χ^2/NDF: 109.9/97

- sign -0.000+/-0.000 χ^2/NDF: 48.5/50


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 7970188.2/21
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 11072855.4/27
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 22598883.7/46
All: 0.004+/-0.000 χ²/NDF: 46538511.3/97
- sign 0.004+/-0.000 χ²/NDF: 23933150.5/50

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.042+/-0.021 χ^2/NDF: 22.9/27

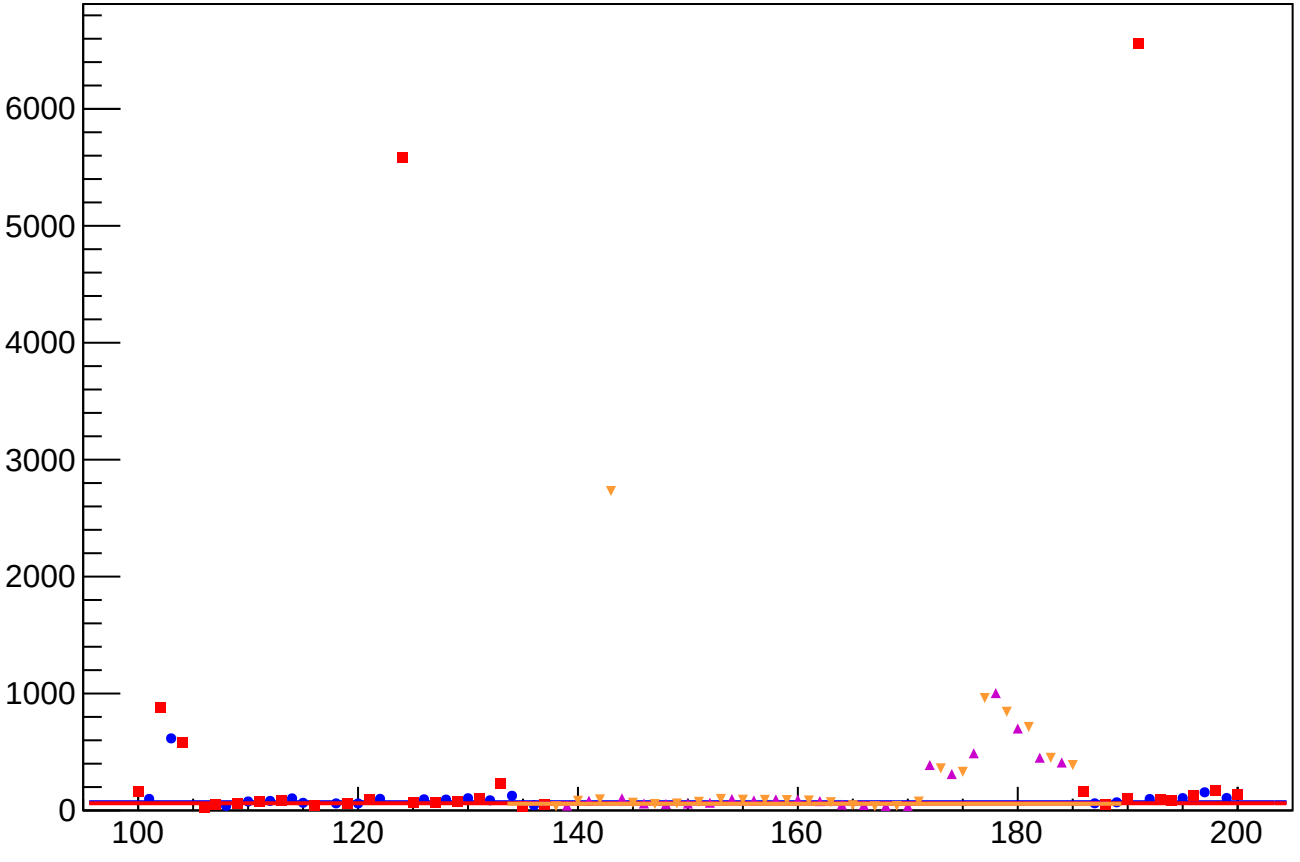
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.012+/-0.010 χ^2/NDF: 89.8/97

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

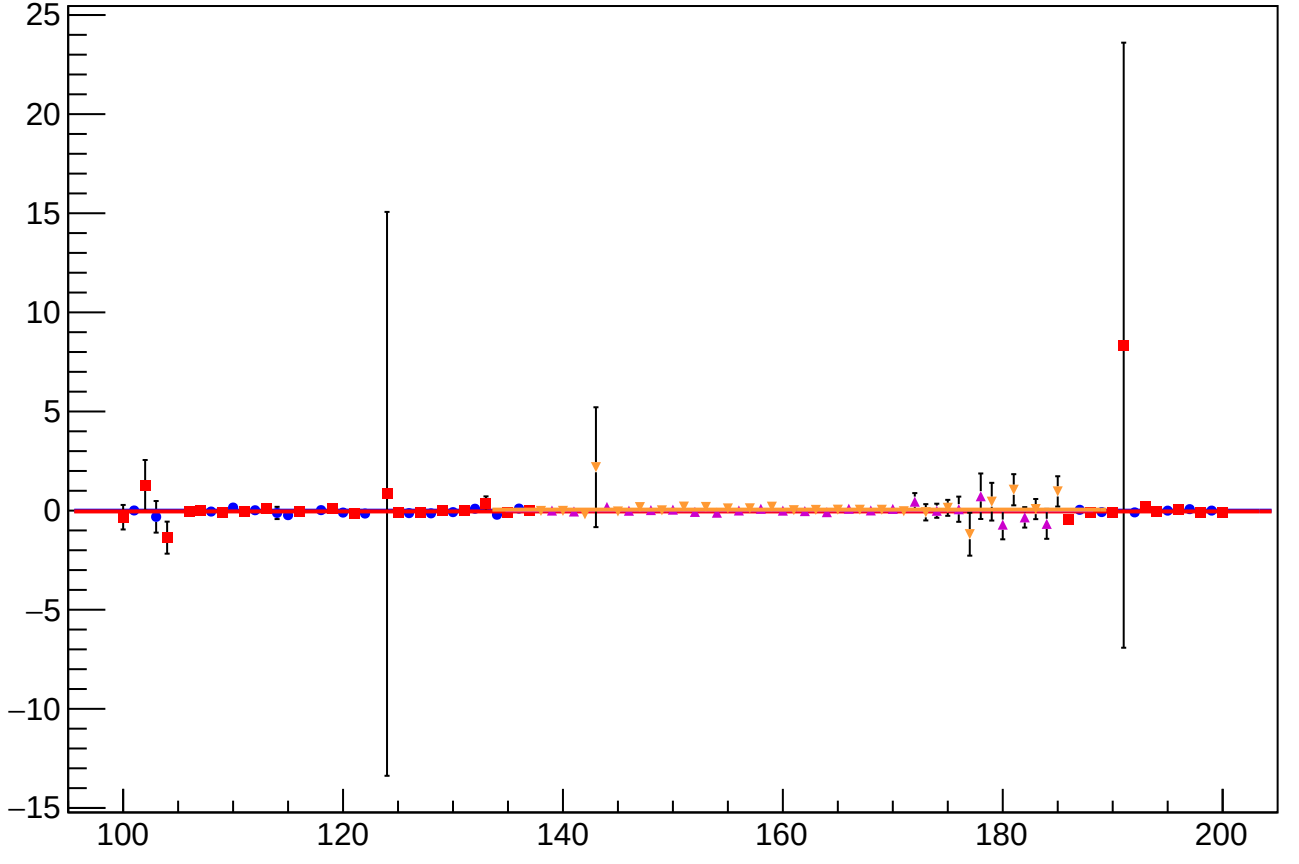
Right Out: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.777+/-0.010 χ^2/NDF: 16271215.9/46

All: 60.746+/-0.007 χ^2/NDF: 33330108.8/97

- sign 59.807+/-0.009 χ^2/NDF: 17037713.5/50



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

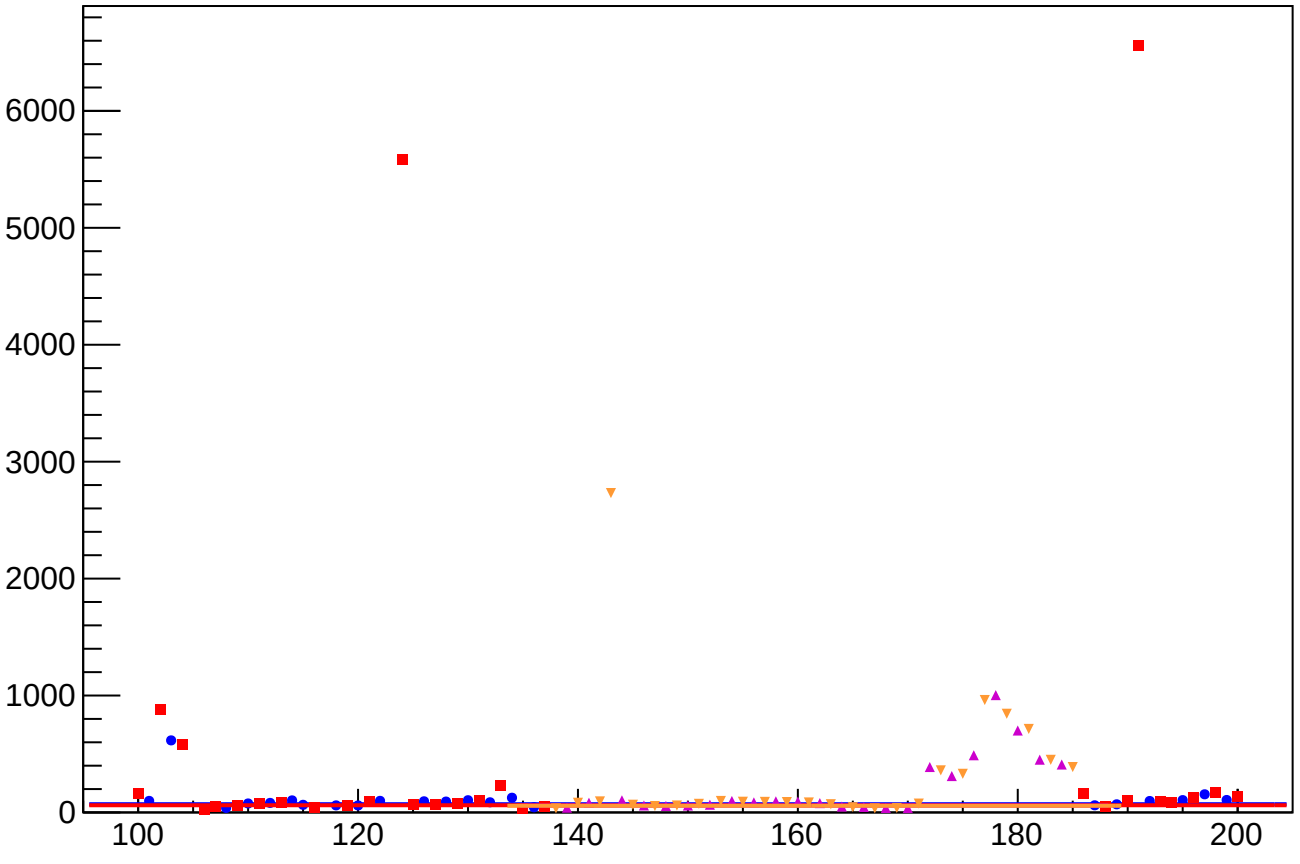
Right Out: -0.042+/-0.021 χ^2/NDF: 22.9/27

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.012+/-0.010 χ^2/NDF: 89.8/97

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

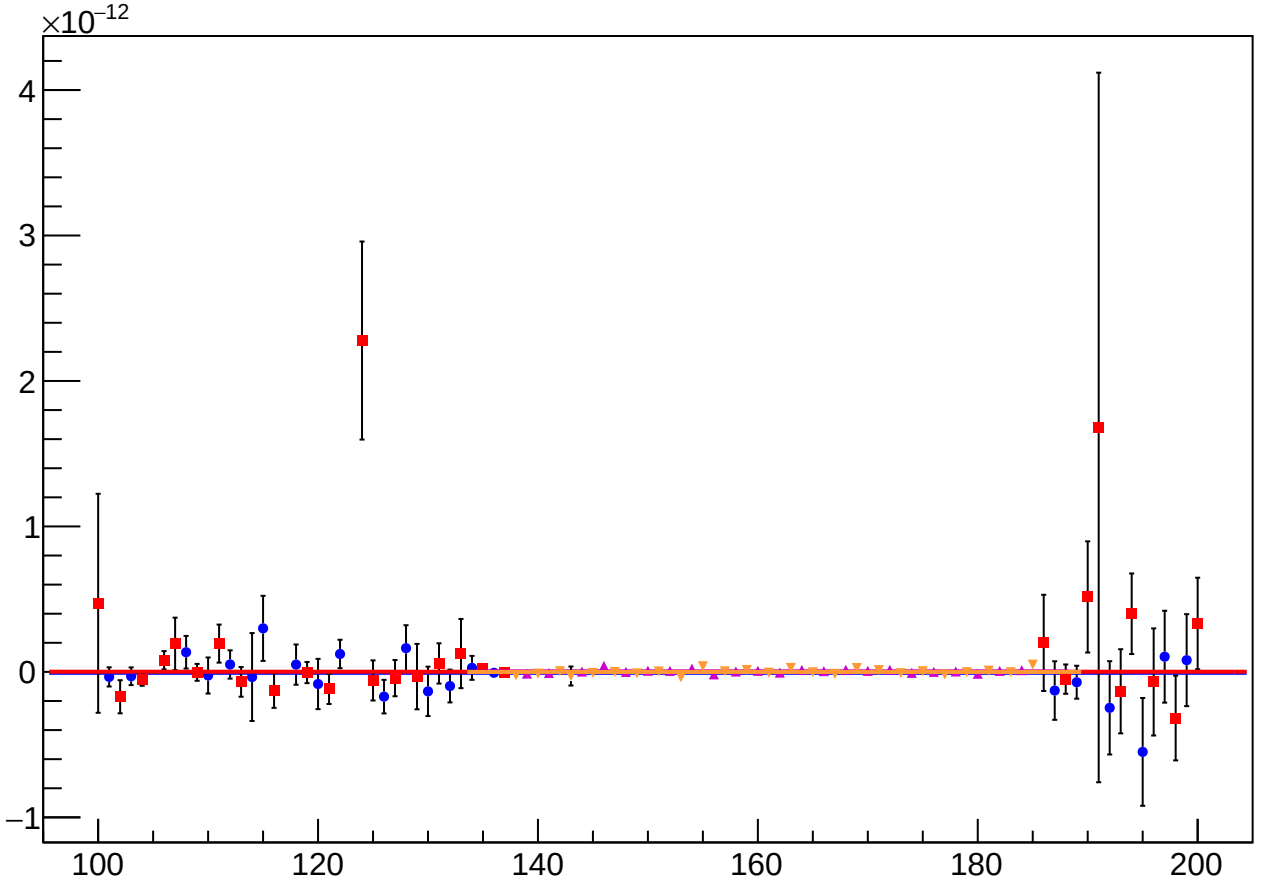
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.777+/-0.010 χ^2/NDF: 16271215.9/46

All: 60.746+/-0.007 χ^2/NDF: 33330108.8/97

- sign 59.807+/-0.009 χ^2/NDF: 17037713.5/50

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

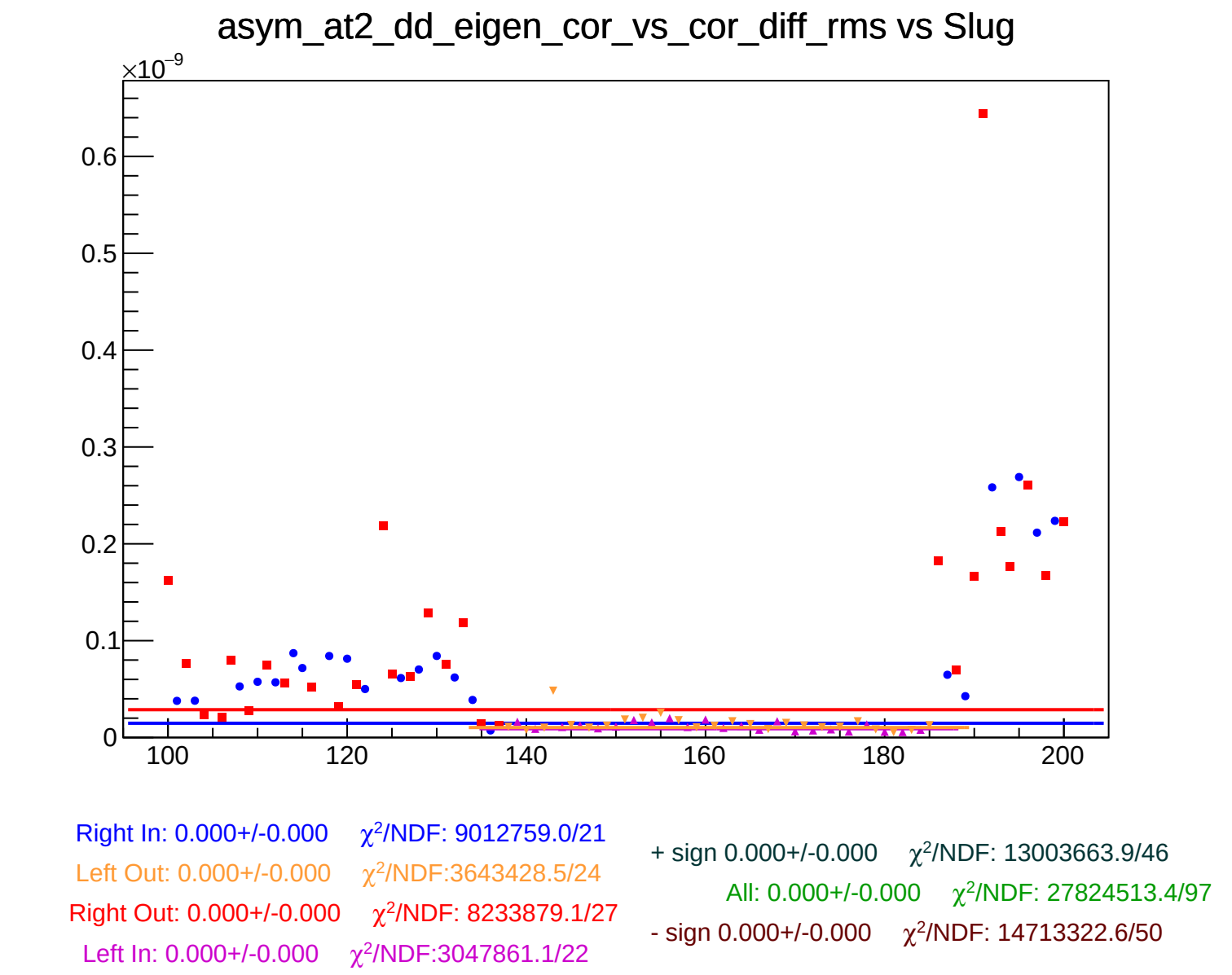
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/27

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

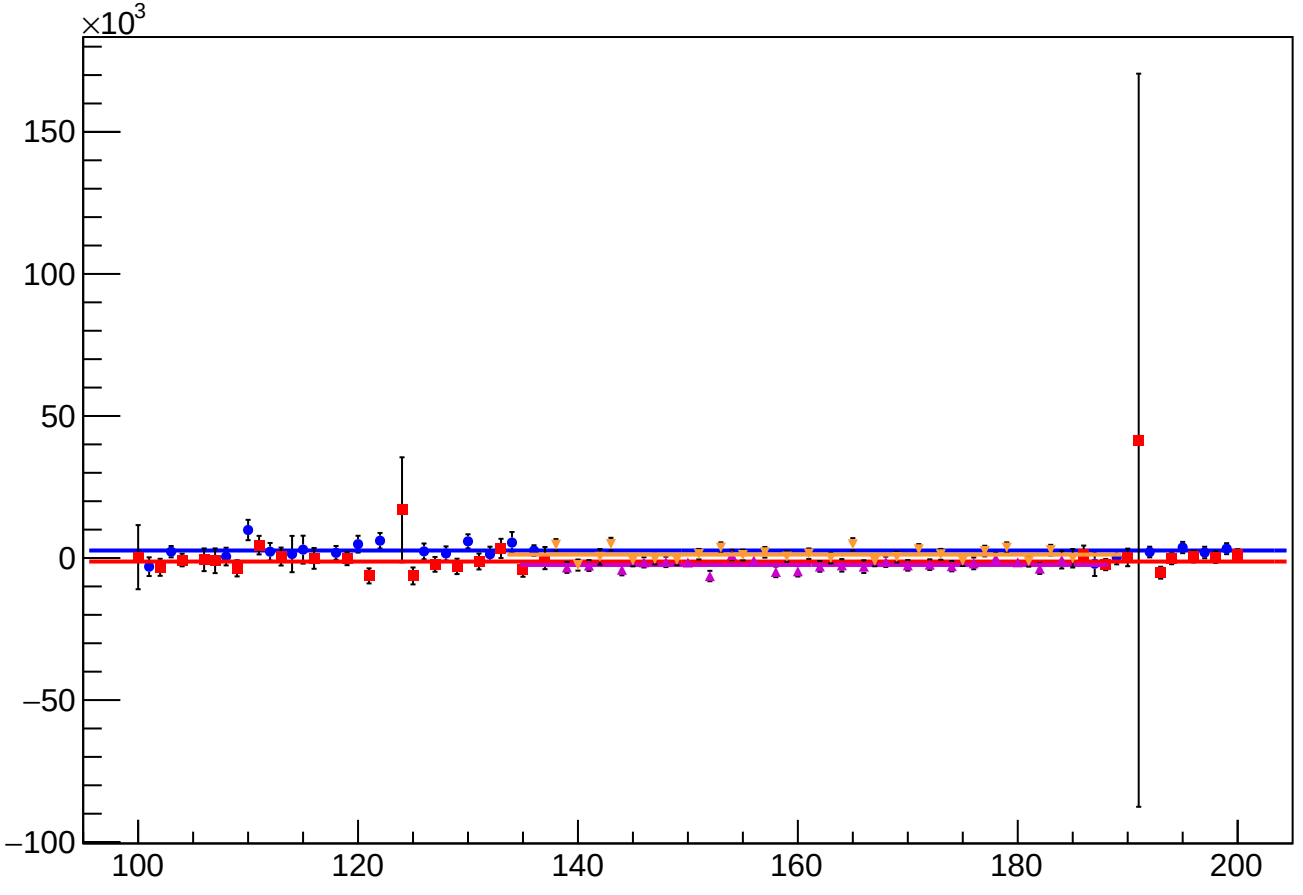
+ sign -0.000+/-0.000 χ^2/NDF: 33.5/46

All: 0.000+/-0.000 χ^2/NDF: 82.5/97

- sign 0.000+/-0.000 χ^2/NDF: 48.0/50


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9012759.0/21
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8233879.1/27
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 13003663.9/46
All: 0.000+/-0.000 χ²/NDF: 27824513.4/97
- sign 0.000+/-0.000 χ²/NDF: 14713322.6/50

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2648.053+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1237.515+/-518.087 χ^2/NDF: 24.2/27

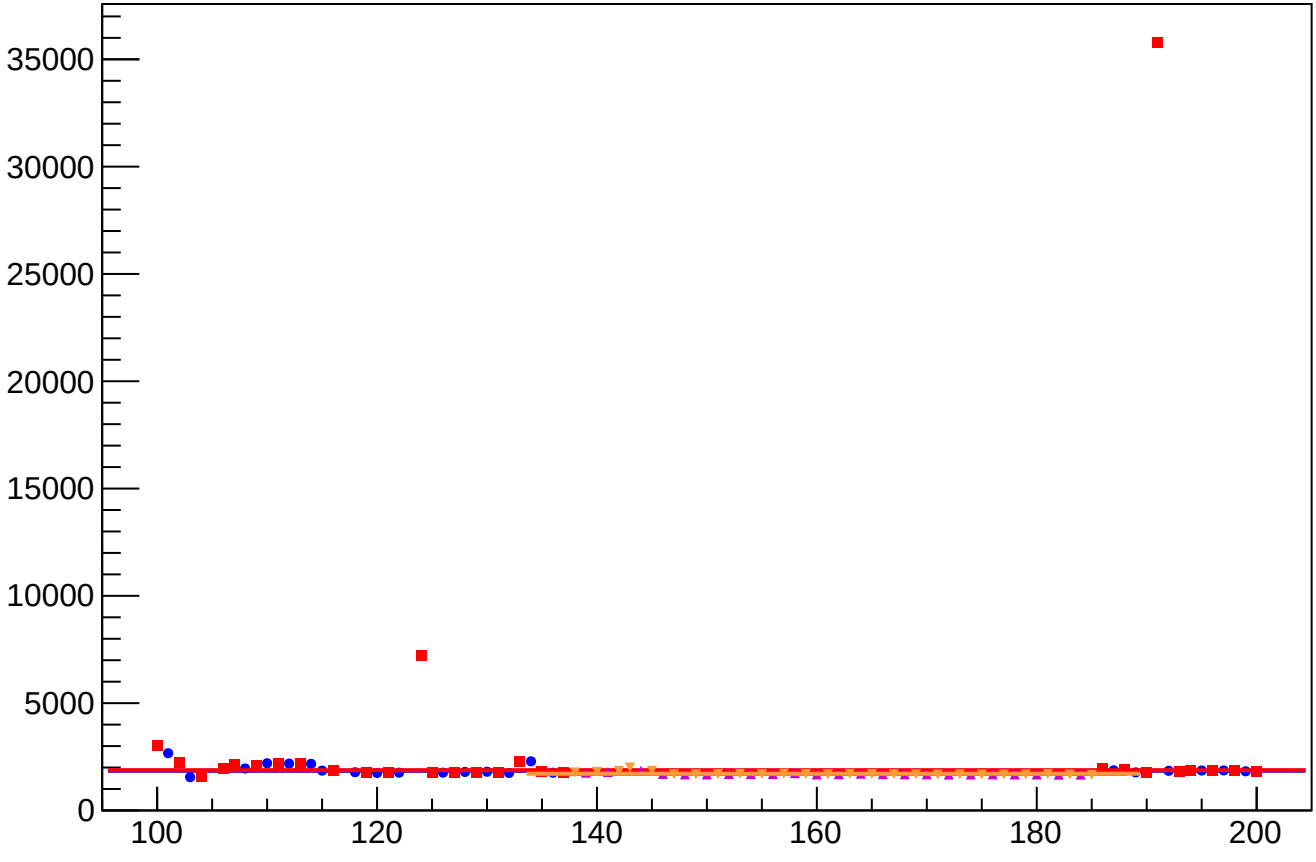
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.099+/-317.100 χ^2/NDF: 46.3/46

All: -161.222+/-223.693 χ^2/NDF: 159.1/97

- sign -1993.145+/-315.604 χ^2/NDF: 45.0/50

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.5/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1875.672+/-0.366 χ^2/NDF: 518063.5/27

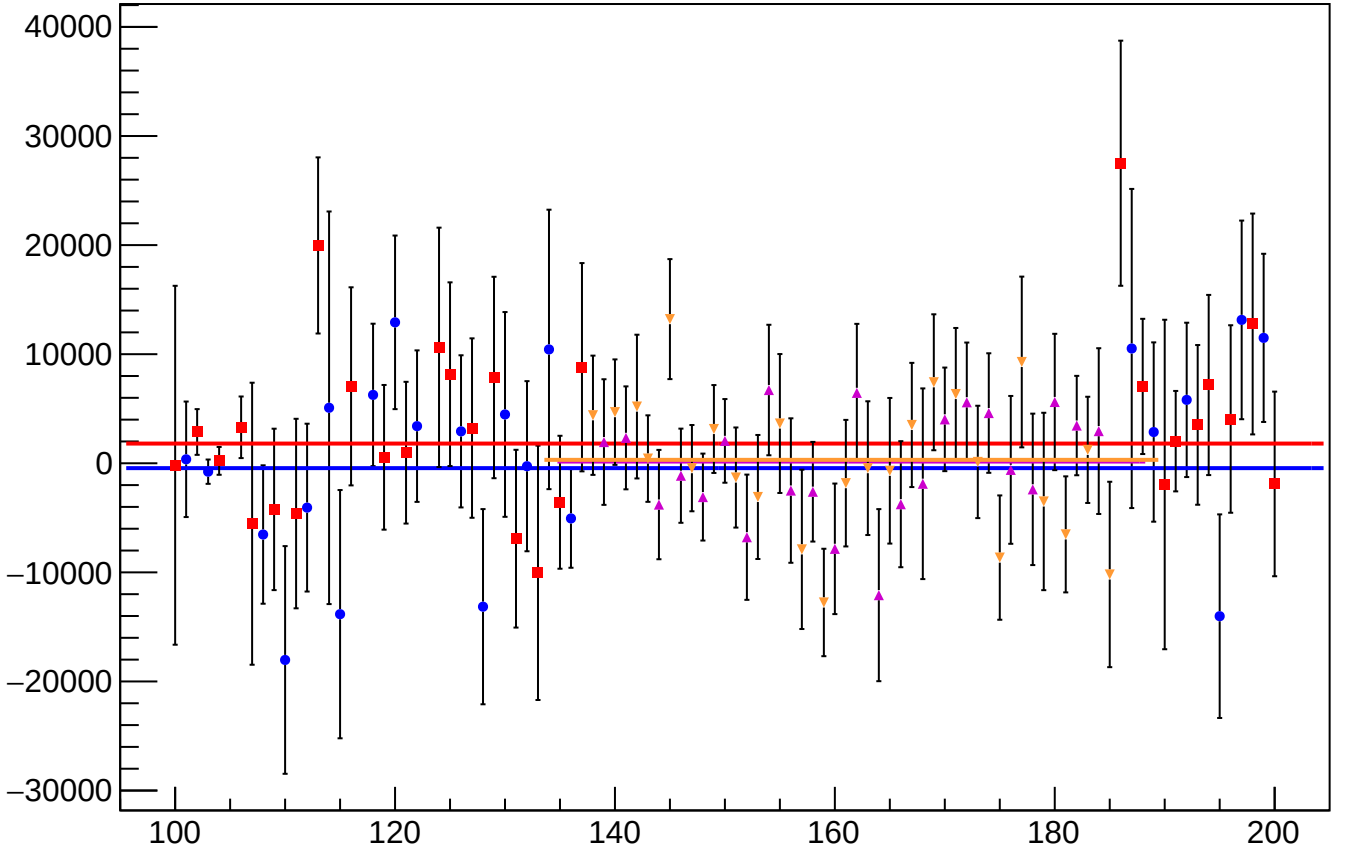
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

\+ sign 1757.753+/-0.224 χ^2/NDF: 409155.9/46

All: 1762.796+/-0.158 χ^2/NDF: 1089167.2/97

\- sign 1767.787+/-0.223 χ^2/NDF: 679004.8/50

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -445.293+/-929.145 χ^2/NDF: 22.3/21

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1806.516+/-861.261 χ^2/NDF: 22.2/27

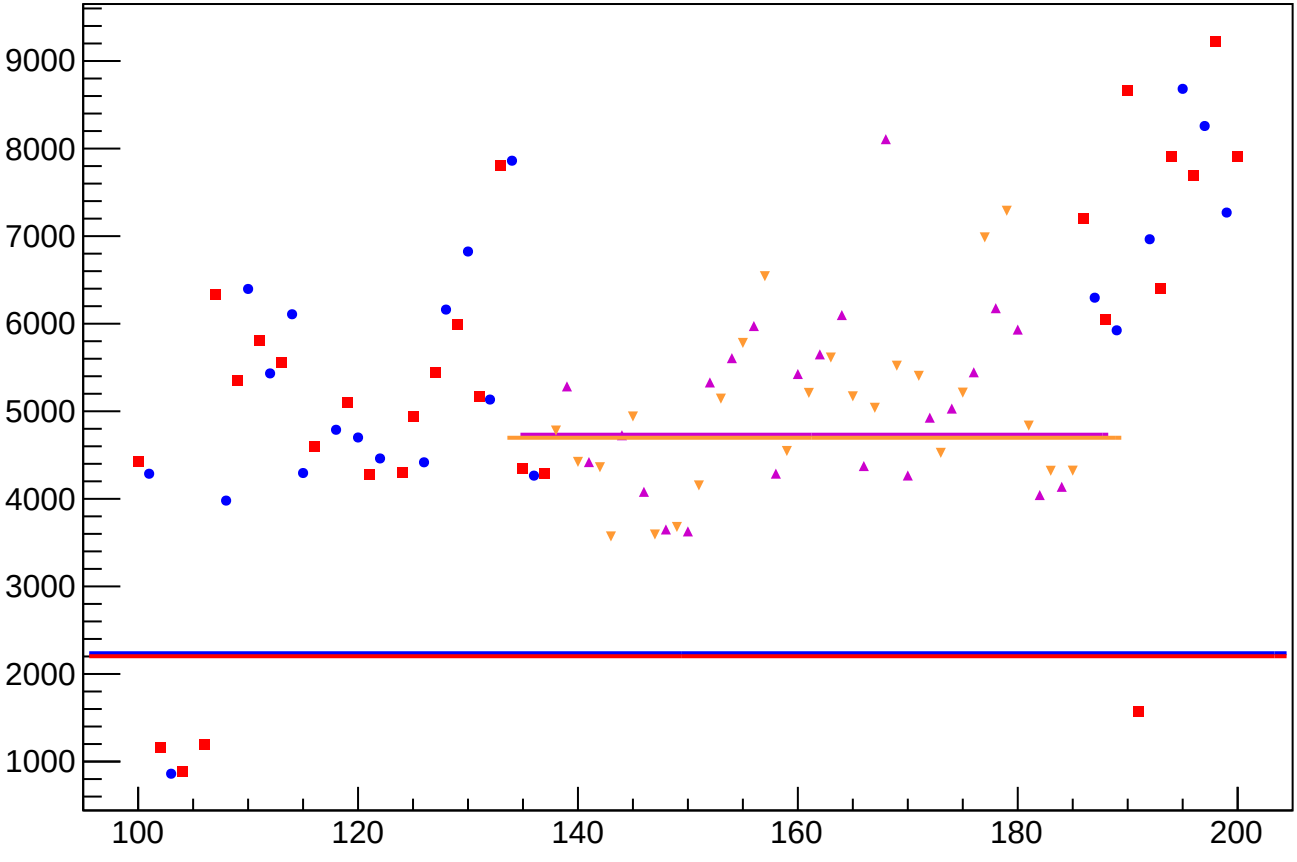
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.403+/-707.643 χ^2/NDF: 49.6/46

All: 558.551+/-492.044 χ^2/NDF: 89.6/97

- sign 1199.692+/-684.637 χ^2/NDF: 38.2/50

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2236.708+/-0.657 χ^2/NDF: 11276599.9/21

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2202.608+/-0.609 χ^2/NDF: 12761377.2/27

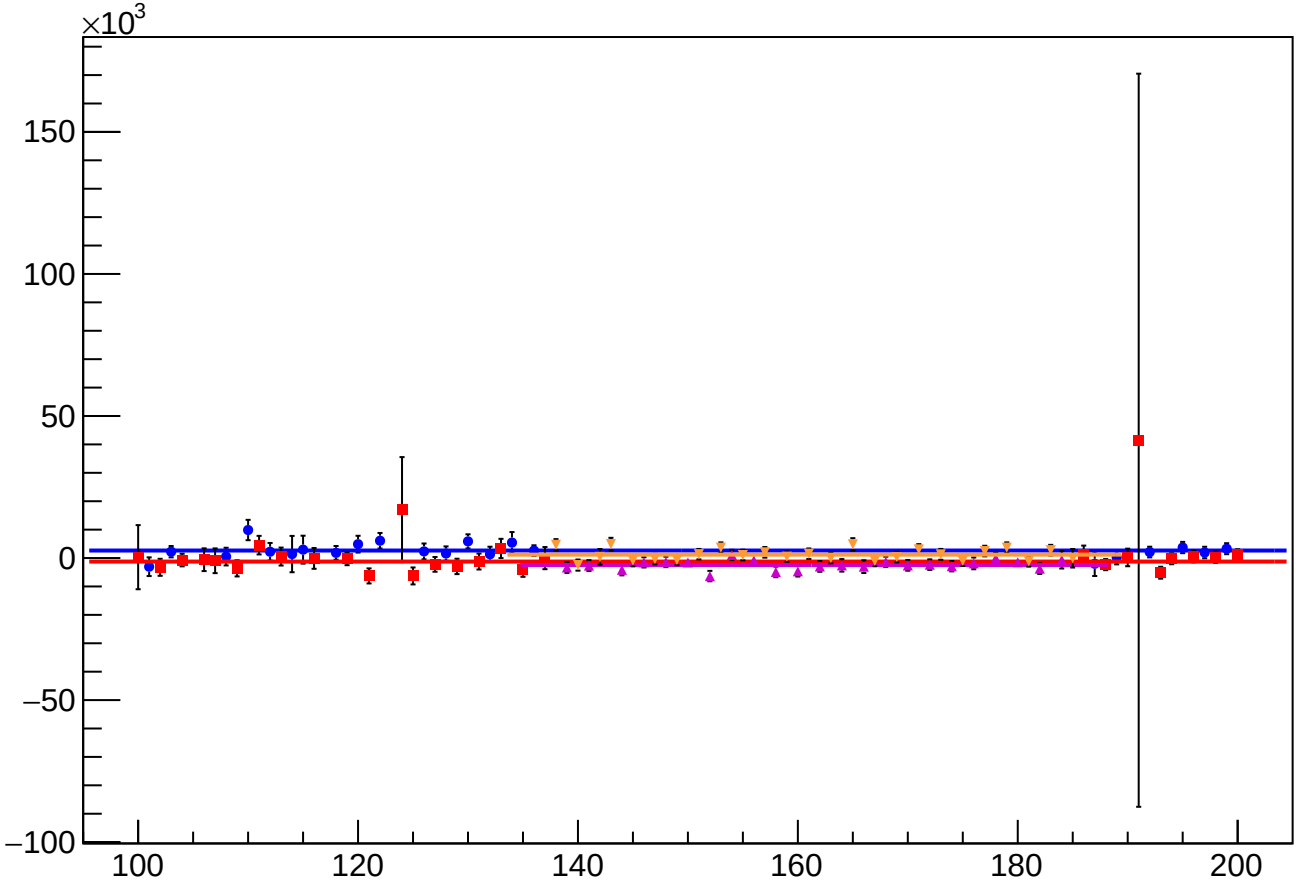
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3270.181+/-0.500 χ^2/NDF: 18407915.1/46

All: 3199.749+/-0.348 χ^2/NDF: 38802284.0/9

- sign 3133.823+/-0.484 χ^2/NDF: 20356011.4/50

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1236.820+/-518.088 χ^2/NDF: 24.2/27

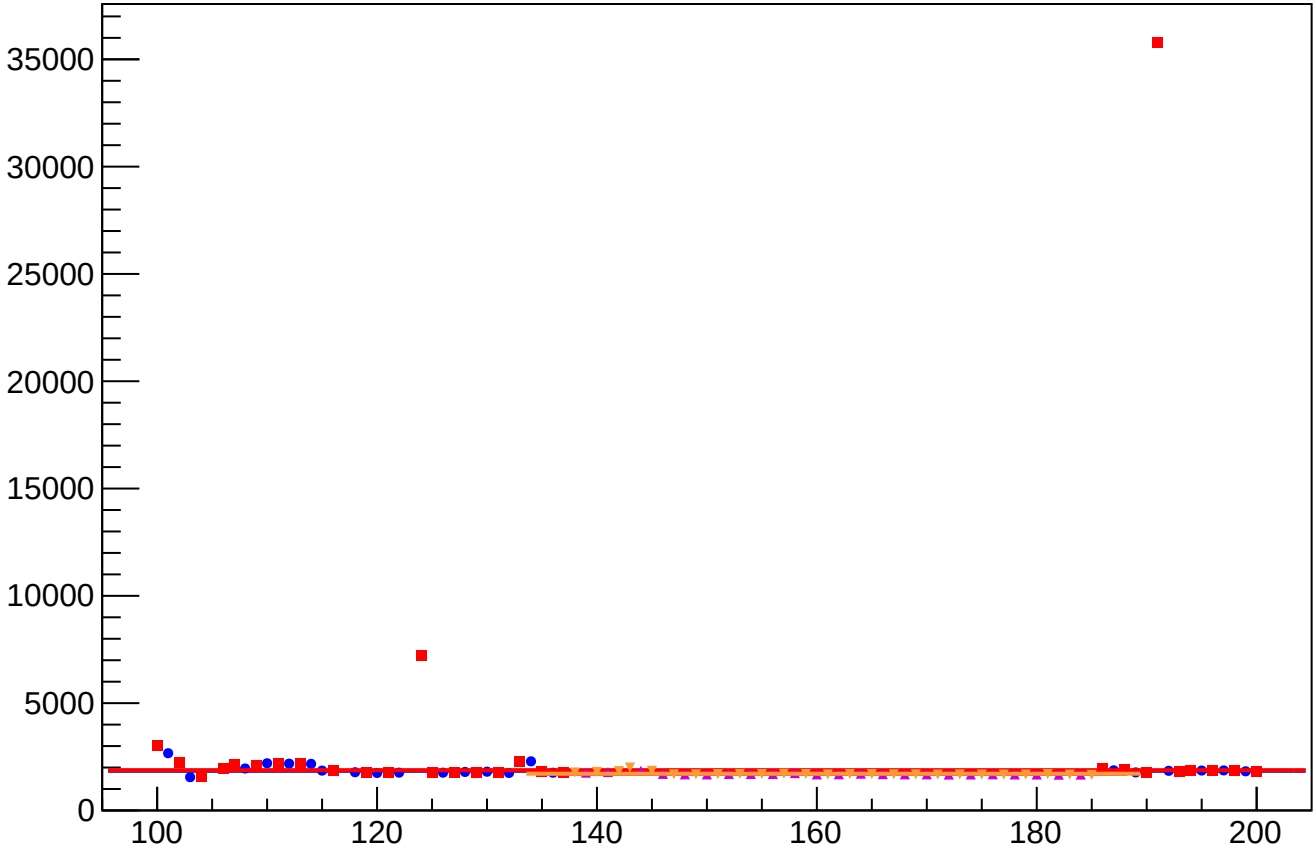
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.075+/-317.100 χ^2/NDF: 46.3/46

All: -161.082+/-223.693 χ^2/NDF: 159.1/97

- sign -1992.844+/-315.605 χ^2/NDF: 45.0/50

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

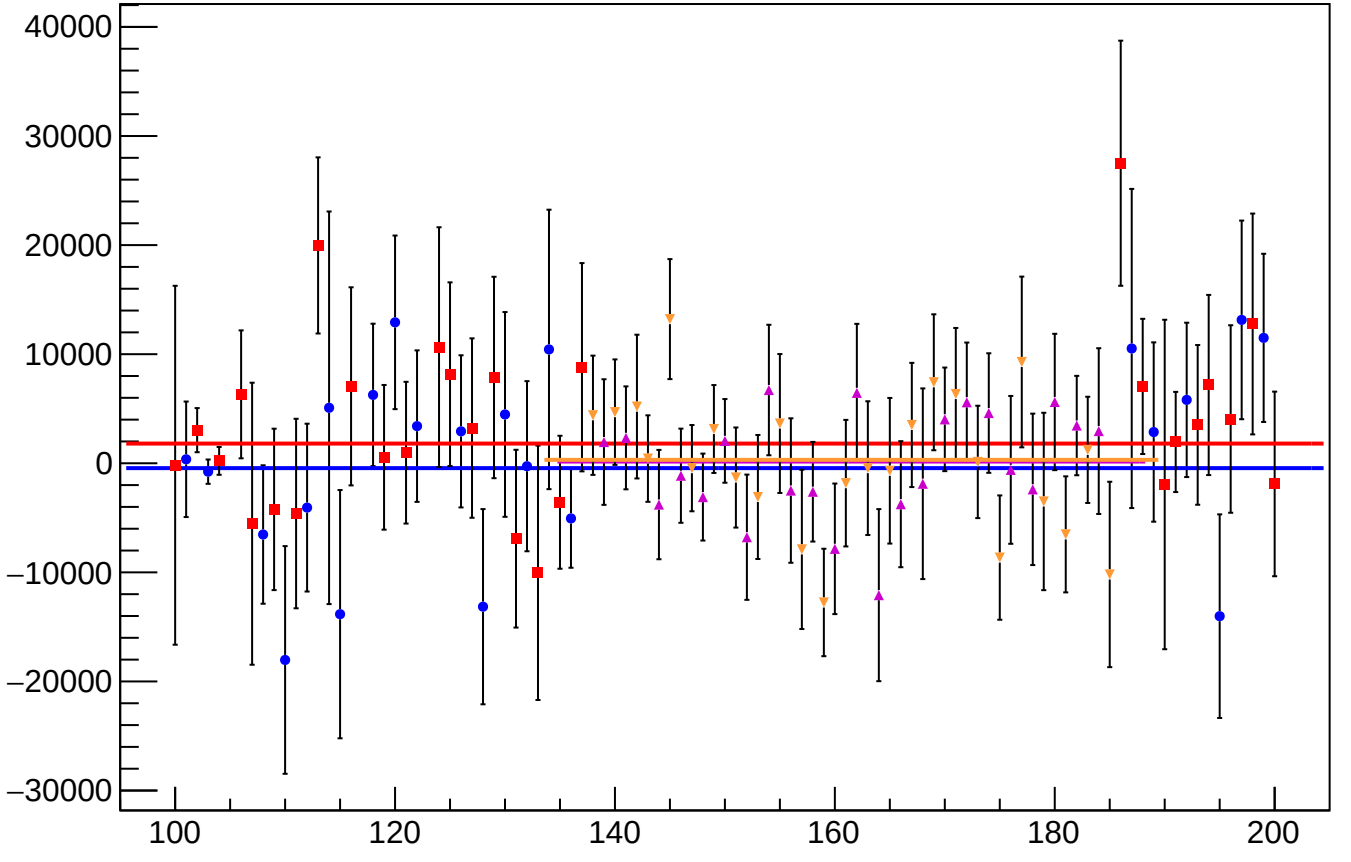
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1757.753+/-0.224 χ^2/NDF: 409155.8/46

All: 1762.836+/-0.158 χ^2/NDF: 1089853.3/97

- sign 1767.867+/-0.223 χ^2/NDF: 679674.9/50

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -444.875+/-929.097 χ^2/NDF: 22.3/21

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1805.264+/-887.815 χ^2/NDF: 22.6/27

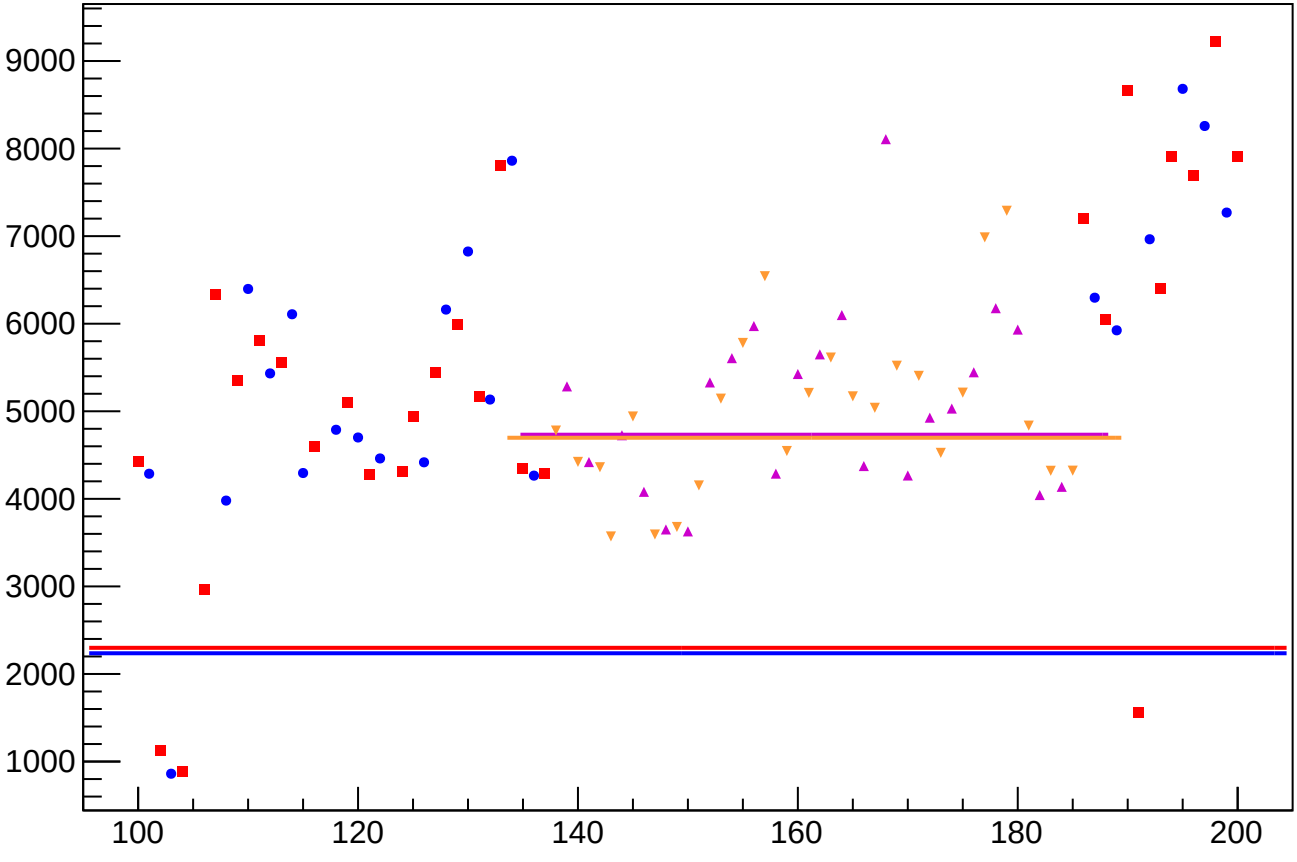
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.165+/-707.622 χ^2/NDF: 49.6/46

All: 533.787+/-496.837 χ^2/NDF: 89.9/97

- sign 1175.454+/-697.750 χ^2/NDF: 38.6/50

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2236.527+/-0.657 χ^2/NDF: 11277301.3/21

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2298.731+/-0.628 χ^2/NDF: 12592261.0/27

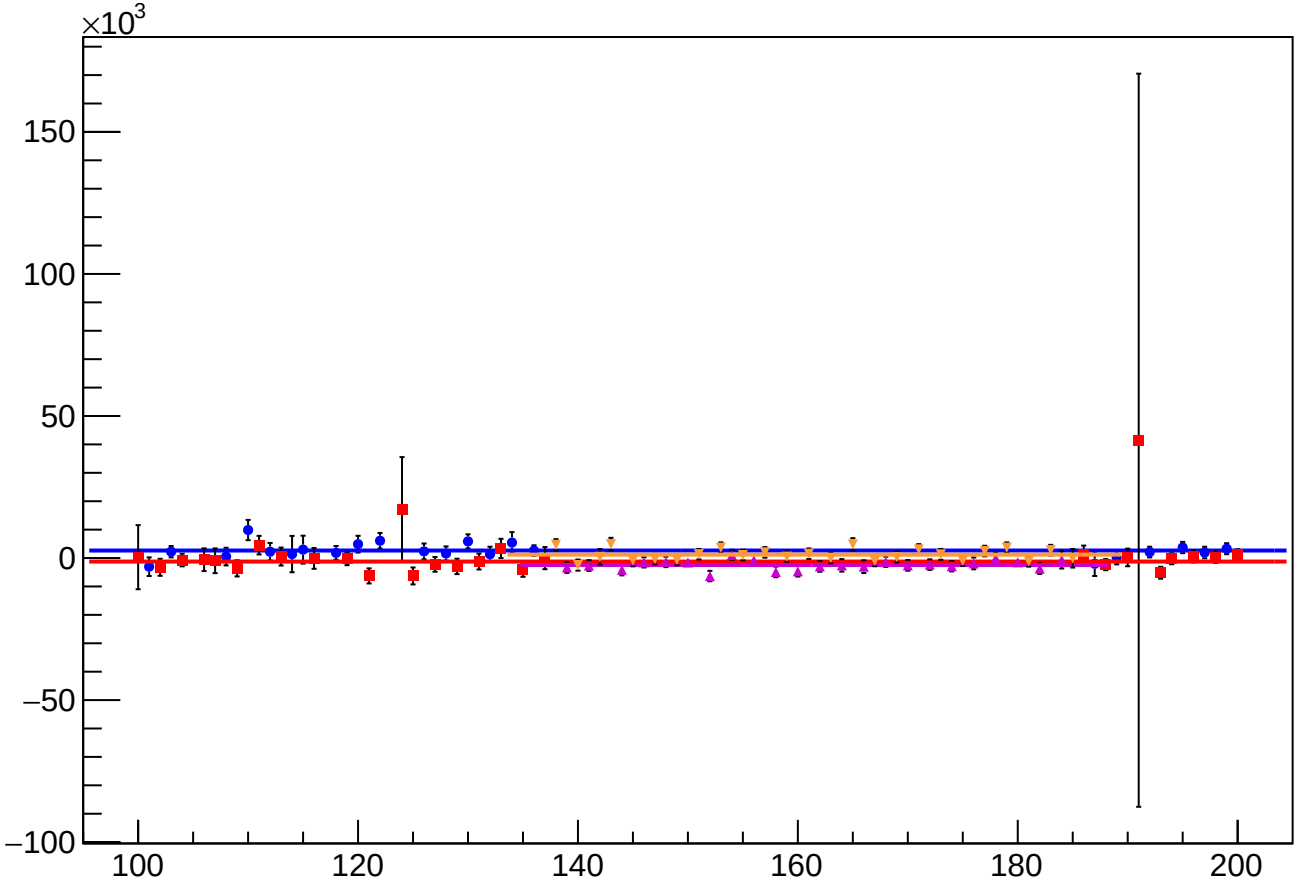
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3270.013+/-0.500 χ^2/NDF: 18409738.5/46

All: 3249.324+/-0.351 χ^2/NDF: 37994062.3/9

- sign 3229.208+/-0.493 χ^2/NDF: 19580951.8/50

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1236.820+/-518.088 χ^2/NDF: 24.2/27

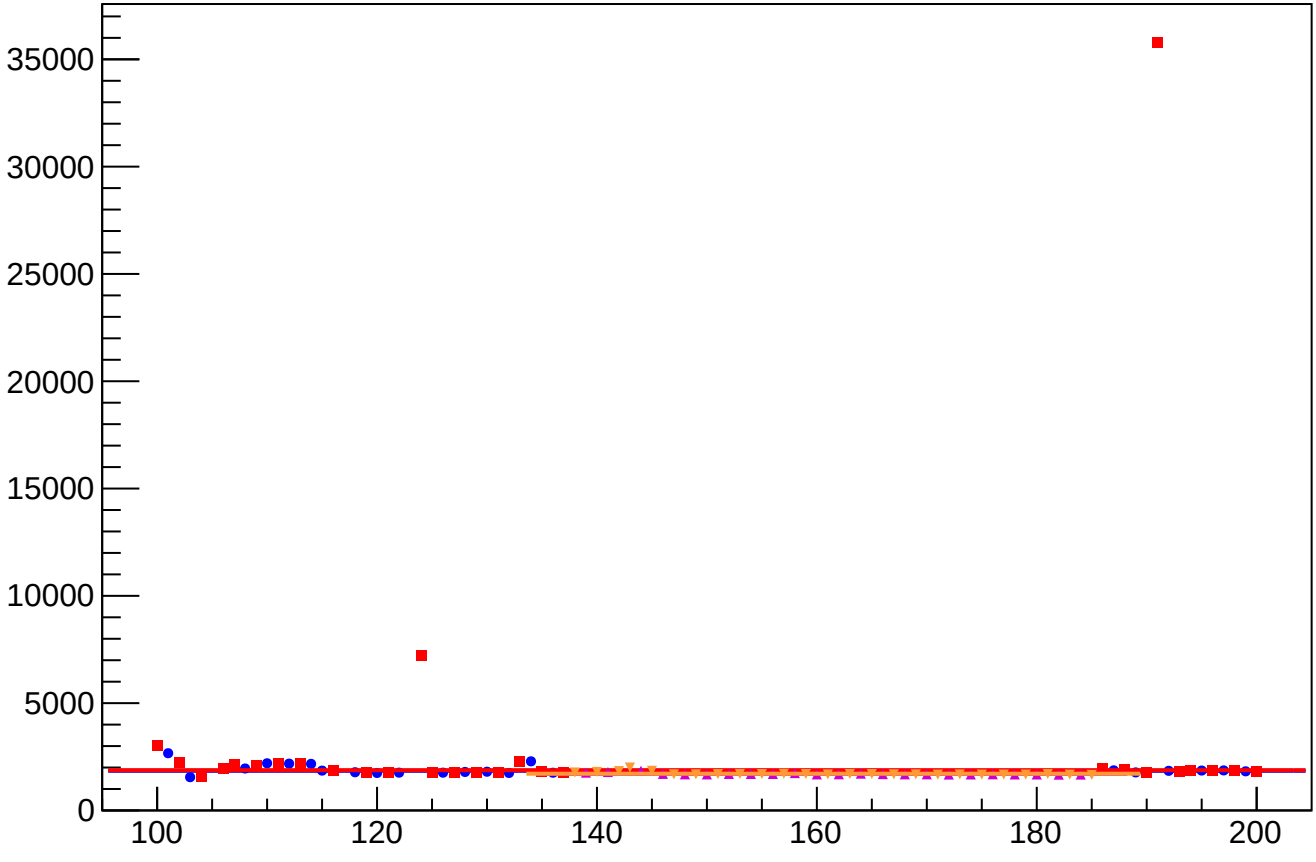
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.075+/-317.100 χ^2/NDF: 46.3/46

All: -161.082+/-223.693 χ^2/NDF: 159.1/97

- sign -1992.844+/-315.605 χ^2/NDF: 45.0/50

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

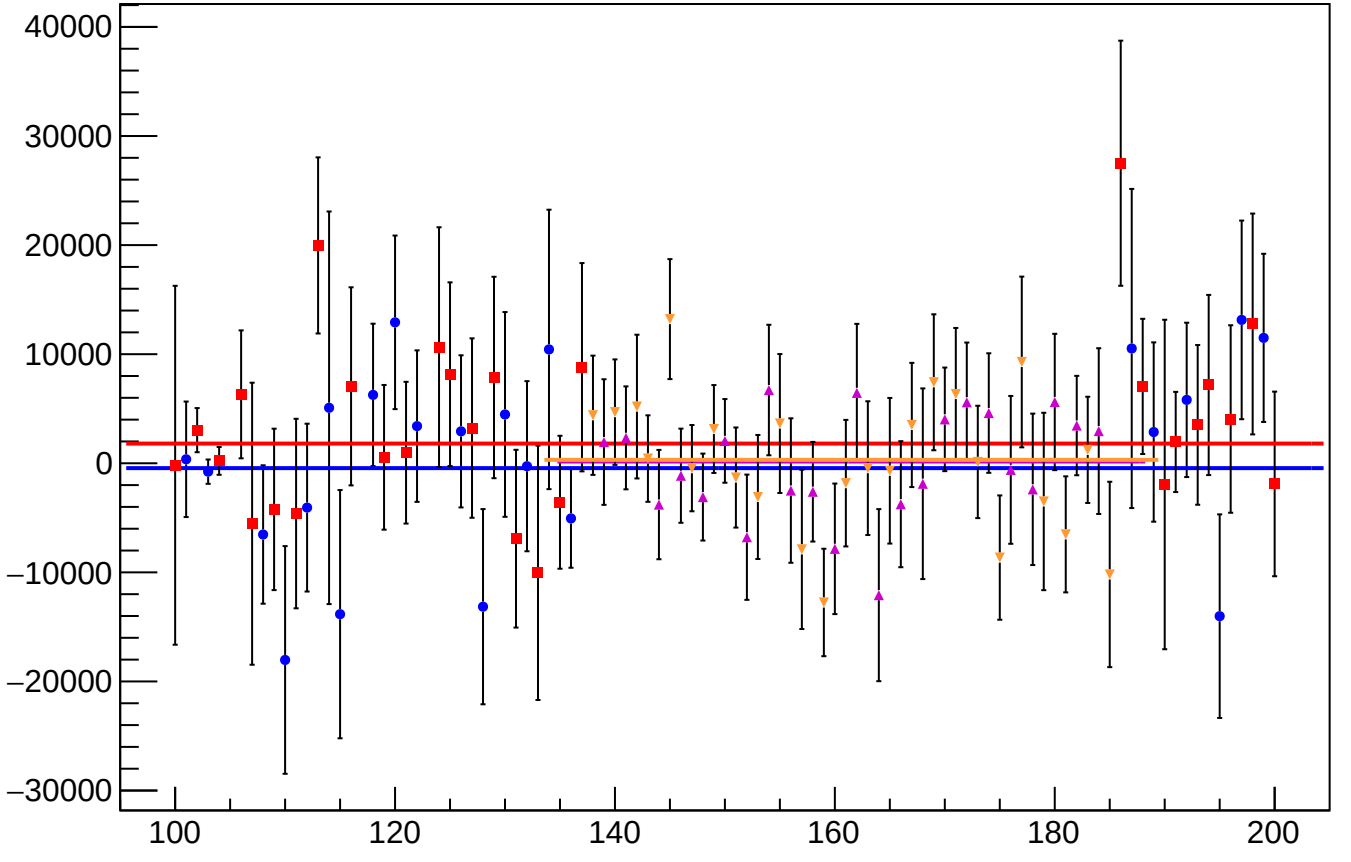
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1757.753+/-0.224 χ^2/NDF: 409155.8/46

All: 1762.836+/-0.158 χ^2/NDF: 1089853.3/97

- sign 1767.867+/-0.223 χ^2/NDF: 679674.9/50

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -444.875+/-929.097 χ^2/NDF: 22.3/21

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

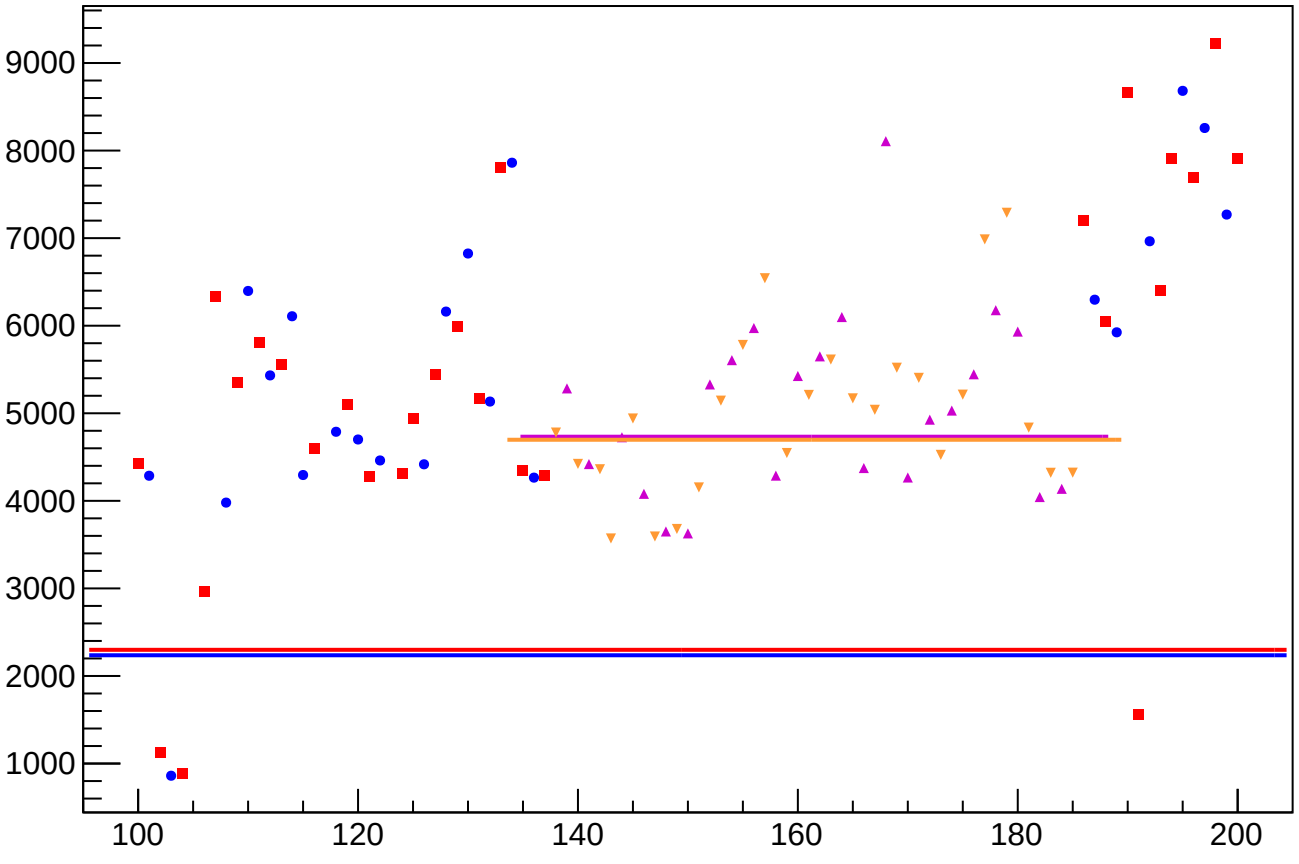
Right Out: 1805.264+/-887.815 χ^2/NDF: 22.6/27

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.165+/-707.622 χ^2/NDF: 49.6/46

All: 533.787+/-496.837 χ^2/NDF: 89.9/97

- sign 1175.454+/-697.750 χ^2/NDF: 38.6/50



Right In: 2236.527+/-0.657 χ^2/NDF: 11277301.3/21

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

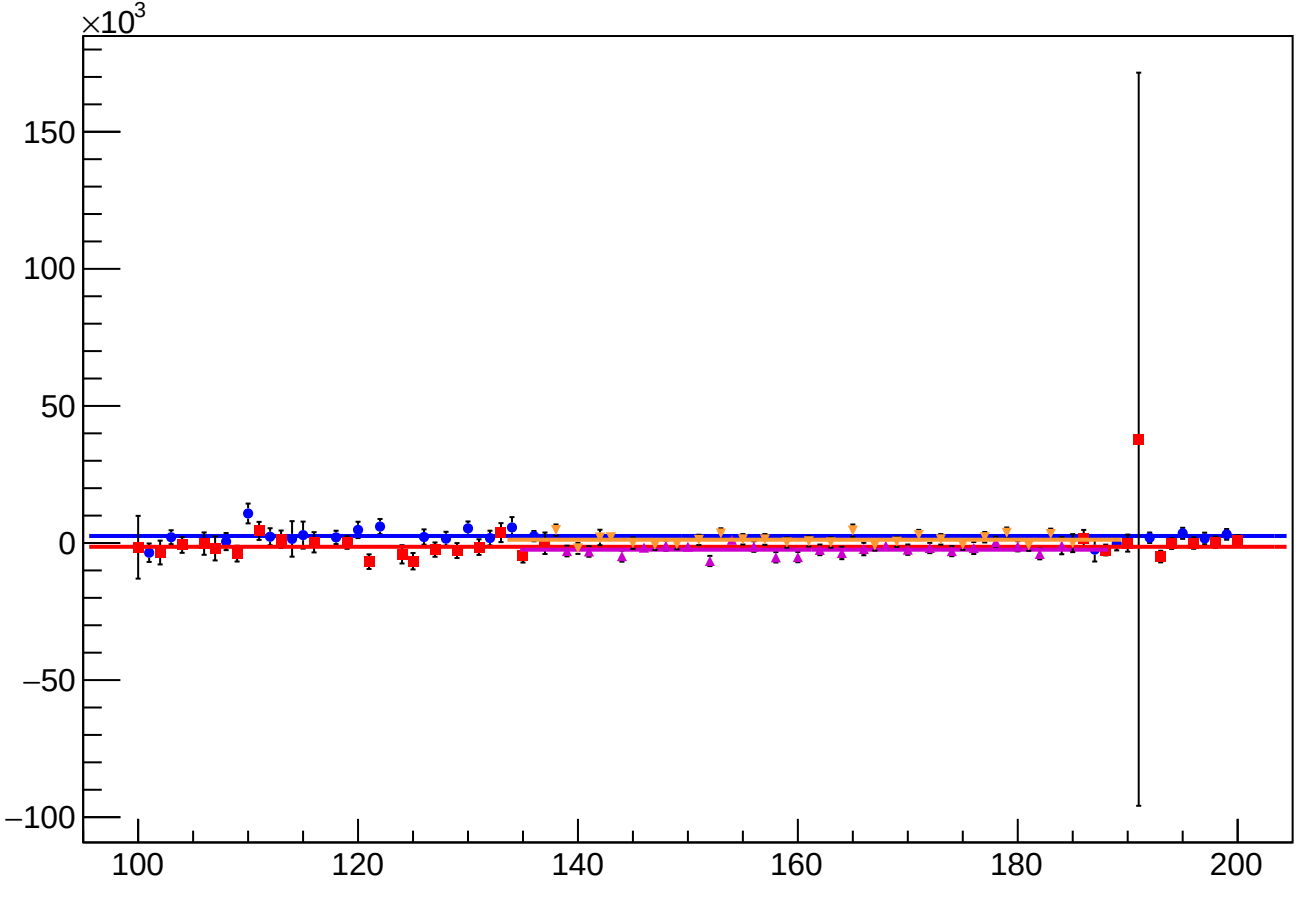
Right Out: 2298.731+/-0.628 χ^2/NDF: 12592261.0/27

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3270.013+/-0.500 χ^2/NDF: 18409738.5/46

All: 3249.324+/-0.351 χ^2/NDF: 37994062.3/9

- sign 3229.208+/-0.493 χ^2/NDF: 19580951.8/50



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1380.408+/-526.893 χ^2/NDF: 25.3/27

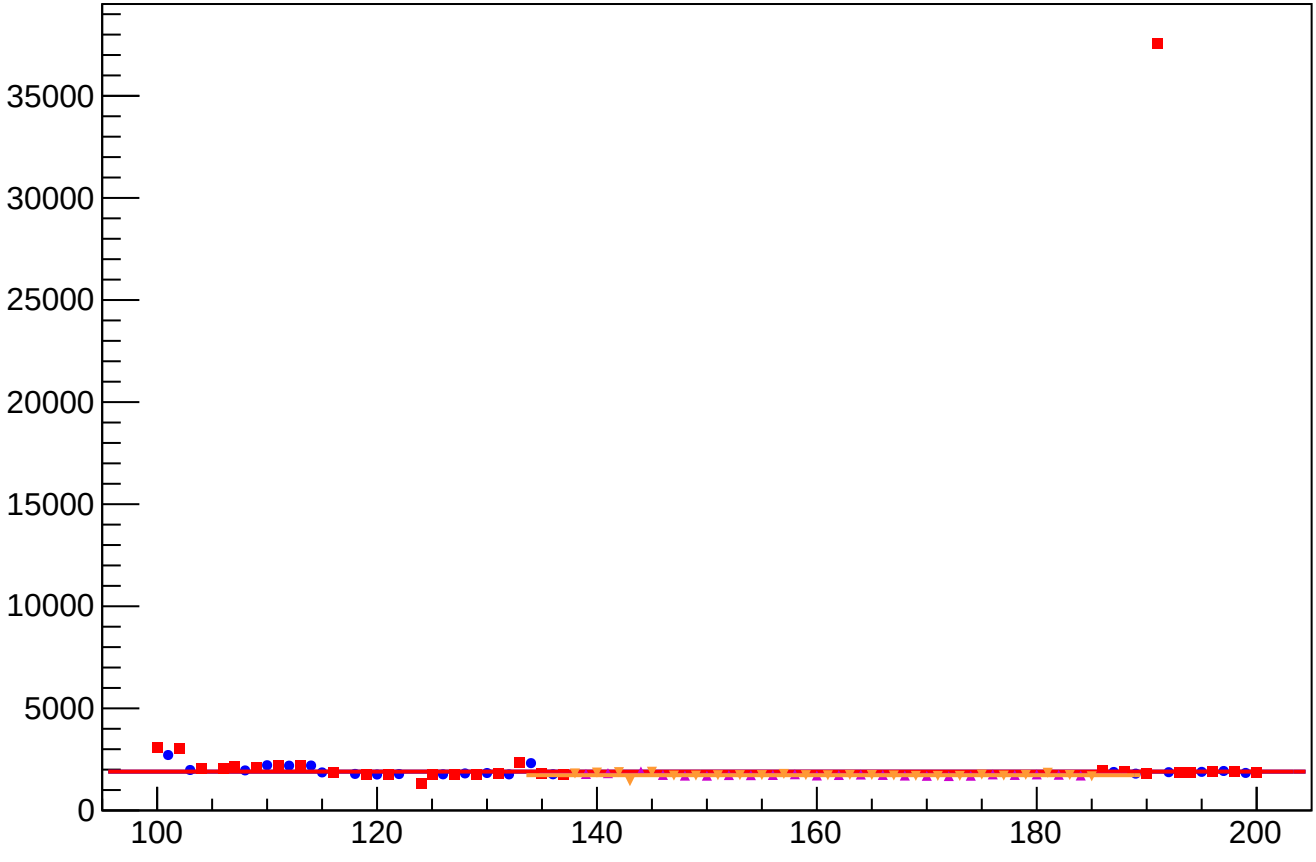
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1646.883+/-322.064 χ^2/NDF: 39.9/46

All: -195.888+/-227.841 χ^2/NDF: 153.8/97

- sign -2042.144+/-322.369 χ^2/NDF: 48.4/50

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1900.199+/-0.397 χ^2/NDF: 222906.2/21

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1903.853+/-0.372 χ^2/NDF: 499764.9/27

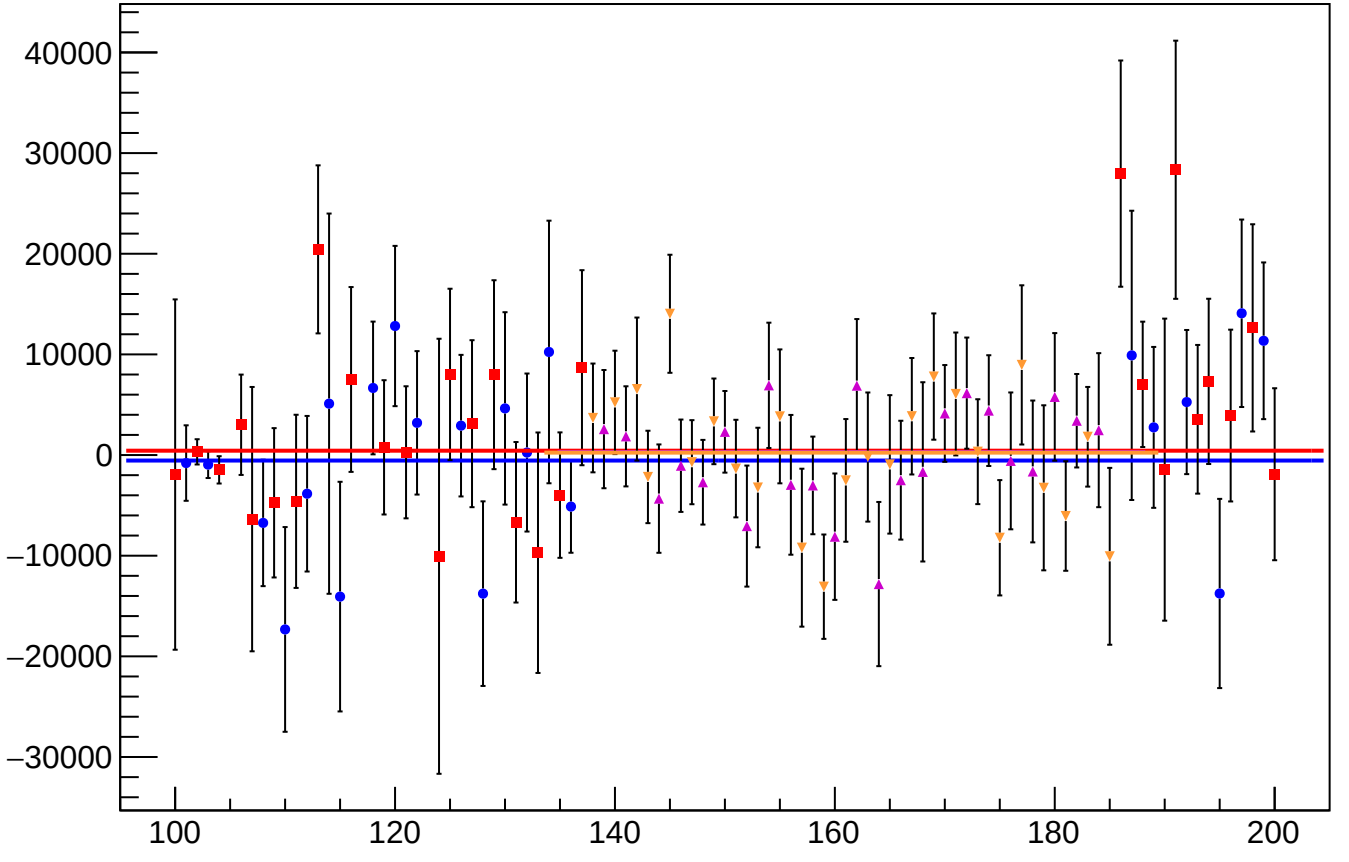
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1784.028+/-0.228 χ^2/NDF: 460391.3/46

All: 1794.140+/-0.161 χ^2/NDF: 1105229.8/97

- sign 1804.267+/-0.228 χ^2/NDF: 640892.5/50

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -546.204+/-1026.591 χ^2/NDF: 22.2/21

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 432.681+/-804.191 χ^2/NDF: 28.6/27

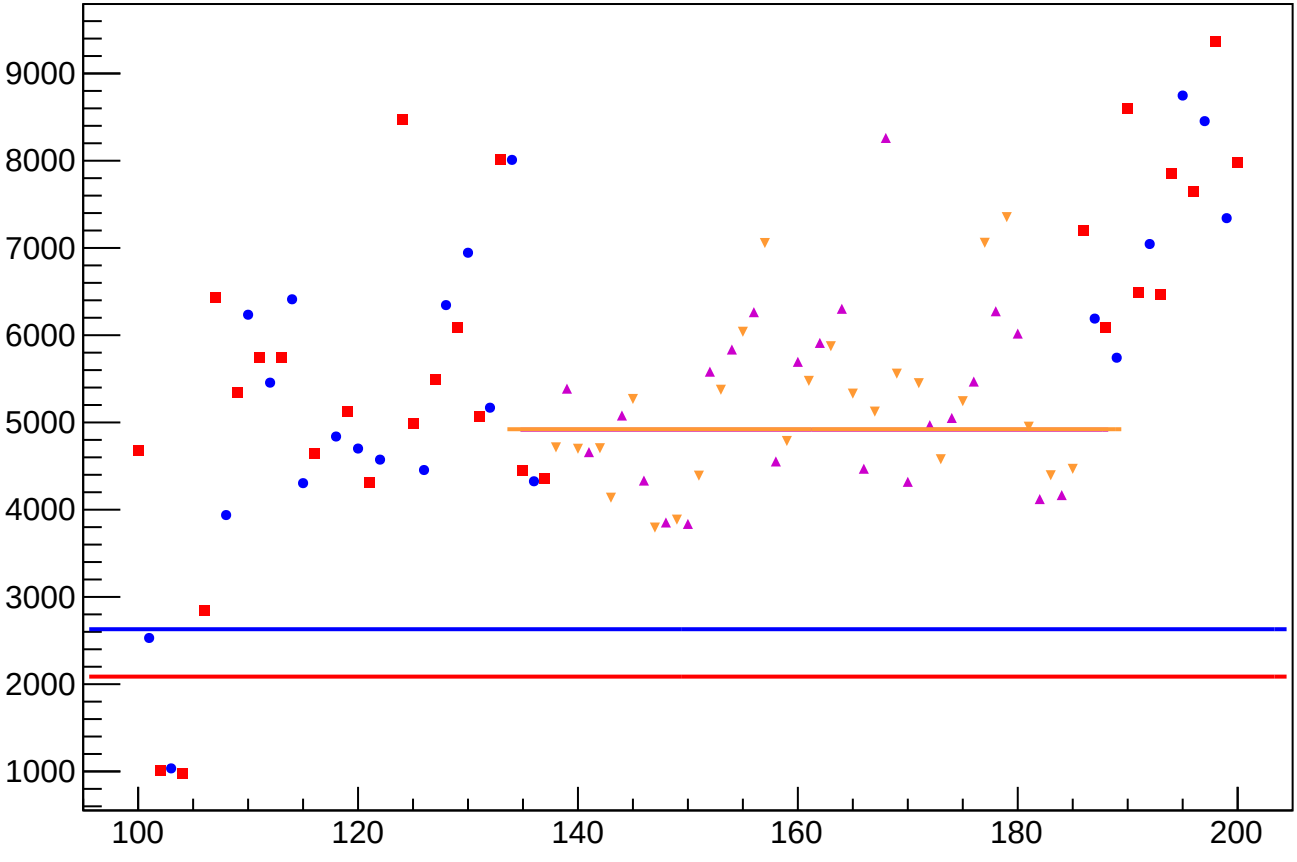
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -193.964+/-763.150 χ^2/NDF: 49.2/46

All: 140.066+/-500.467 χ^2/NDF: 92.6/97

- sign 392.117+/-662.921 χ^2/NDF: 43.1/50

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2630.028+/-0.726 χ^2/NDF: 9355322.1/21

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2086.709+/-0.569 χ^2/NDF: 13680907.8/27

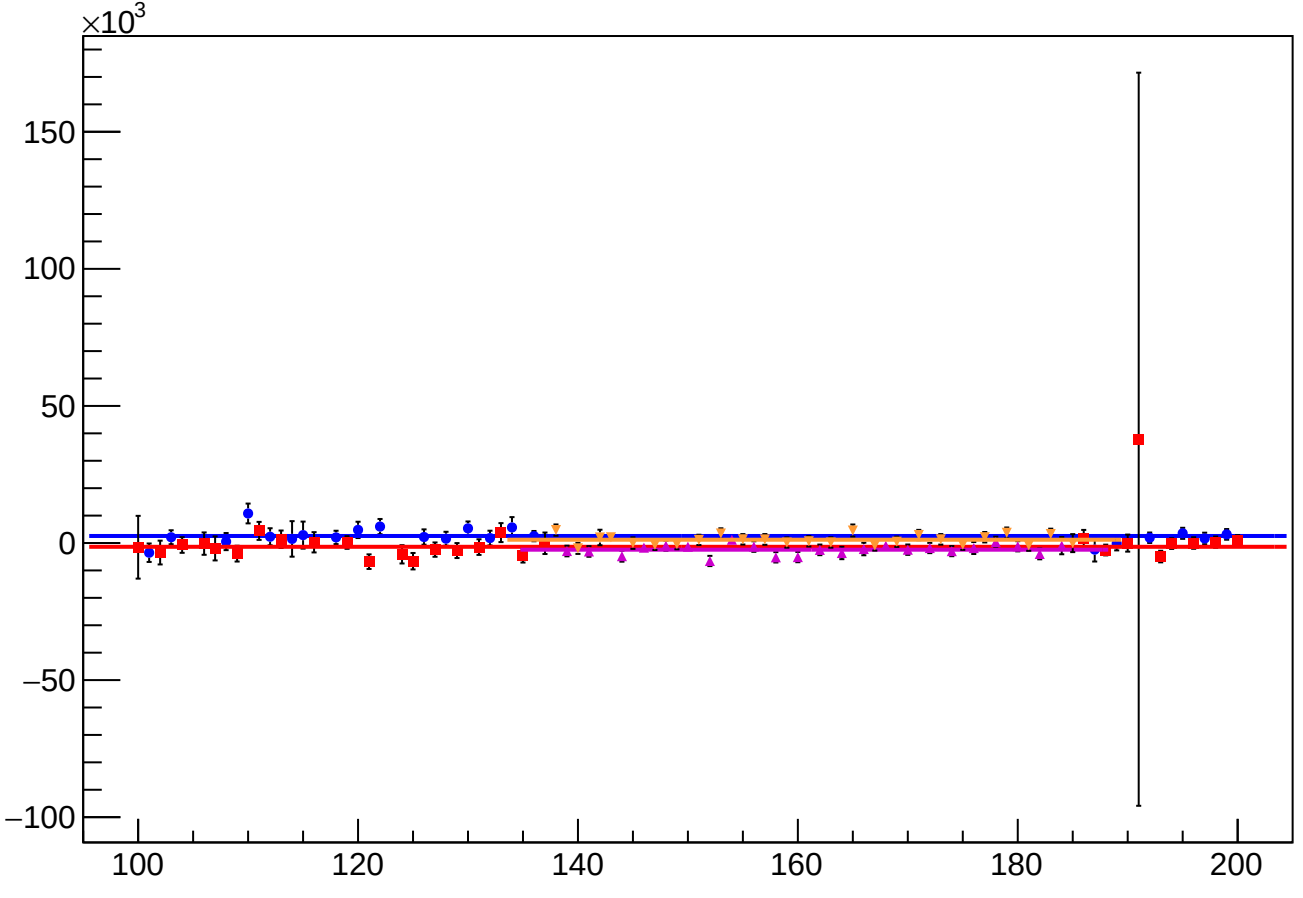
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3655.586+/-0.540 χ^2/NDF: 14867180.9/46

All: 3278.373+/-0.354 χ^2/NDF: 38505940.3/9

- sign 2993.737+/-0.469 χ^2/NDF: 22781415.9/50

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1380.410+/-526.893 χ^2/NDF: 25.3/27

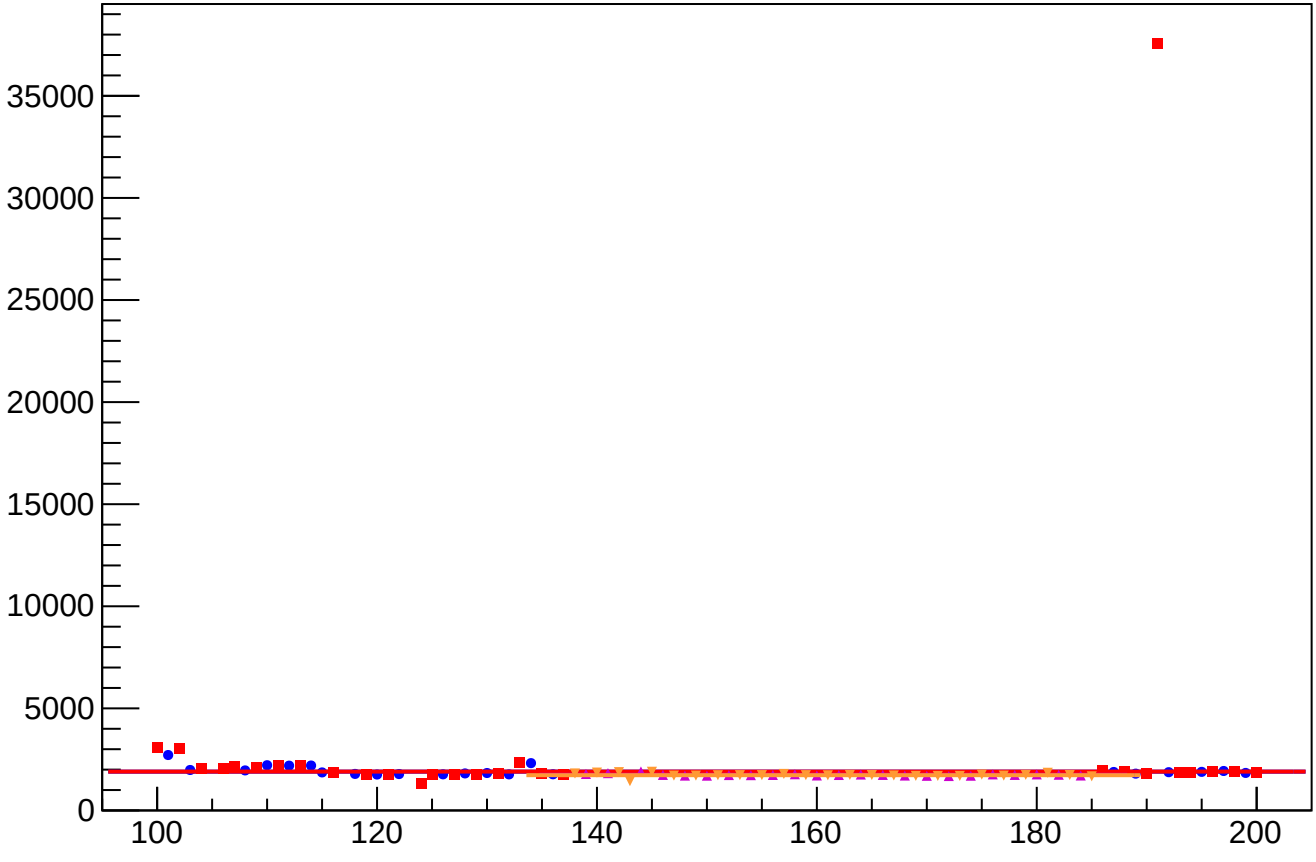
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1646.879+/-322.064 χ^2/NDF: 39.9/46

All: -195.890+/-227.842 χ^2/NDF: 153.8/97

- sign -2042.145+/-322.369 χ^2/NDF: 48.4/50

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1900.198+/-0.397 χ^2/NDF: 222906.3/21

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

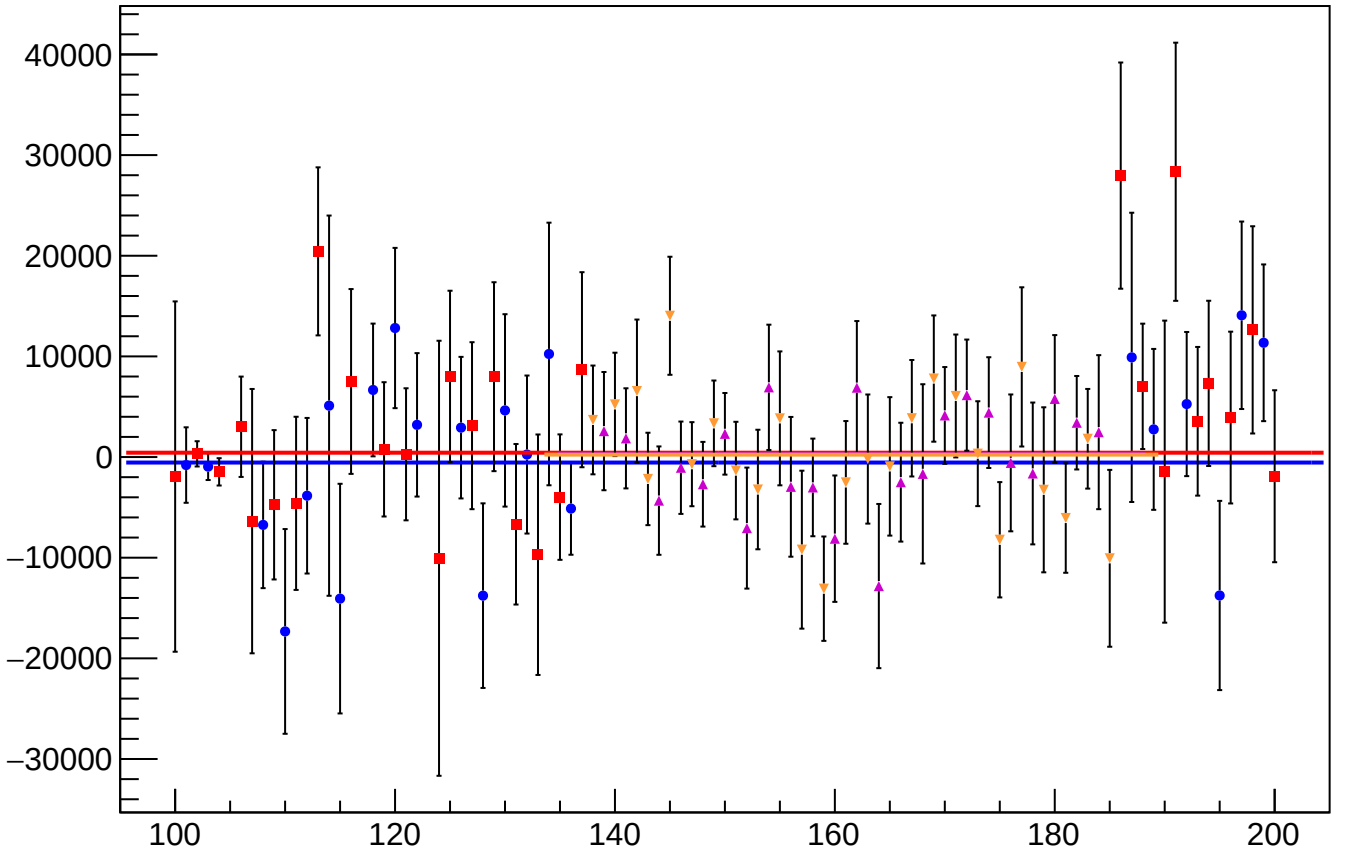
Right Out: 1903.852+/-0.372 χ^2/NDF: 499763.7/27

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1784.028+/-0.228 χ^2/NDF: 460388.4/46

All: 1794.140+/-0.161 χ^2/NDF: 1105224.4/97

- sign 1804.267+/-0.228 χ^2/NDF: 640890.0/50



Right In: -546.203+/-1026.591 χ^2/NDF: 22.2/21

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 432.685+/-804.190 χ^2/NDF: 28.6/27

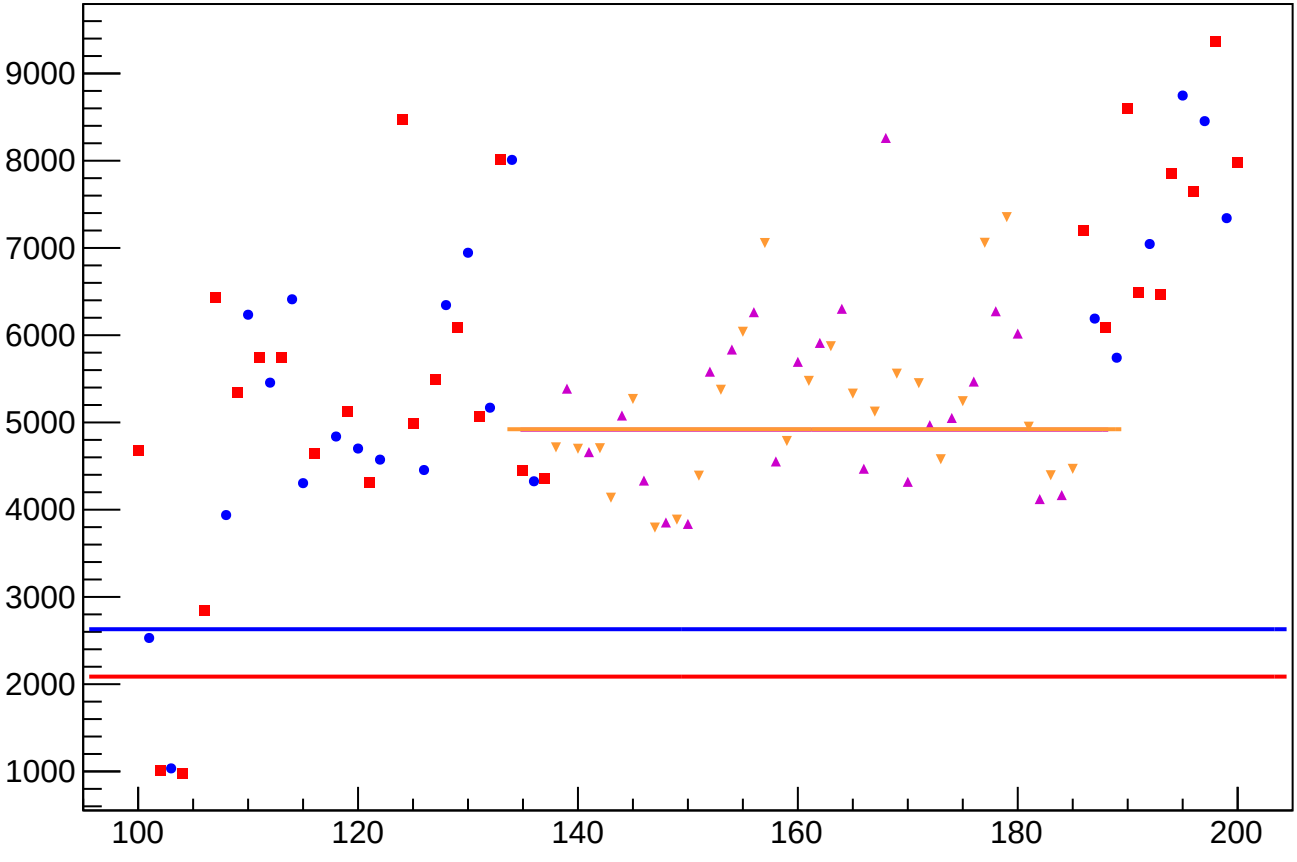
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -193.966+/-763.150 χ^2/NDF: 49.2/46

All: 140.067+/-500.467 χ^2/NDF: 92.6/97

- sign 392.121+/-662.921 χ^2/NDF: 43.1/50

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2630.027+/-0.726 χ^2/NDF: 9355321.7/21

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2086.708+/-0.569 χ^2/NDF: 13680904.2/27

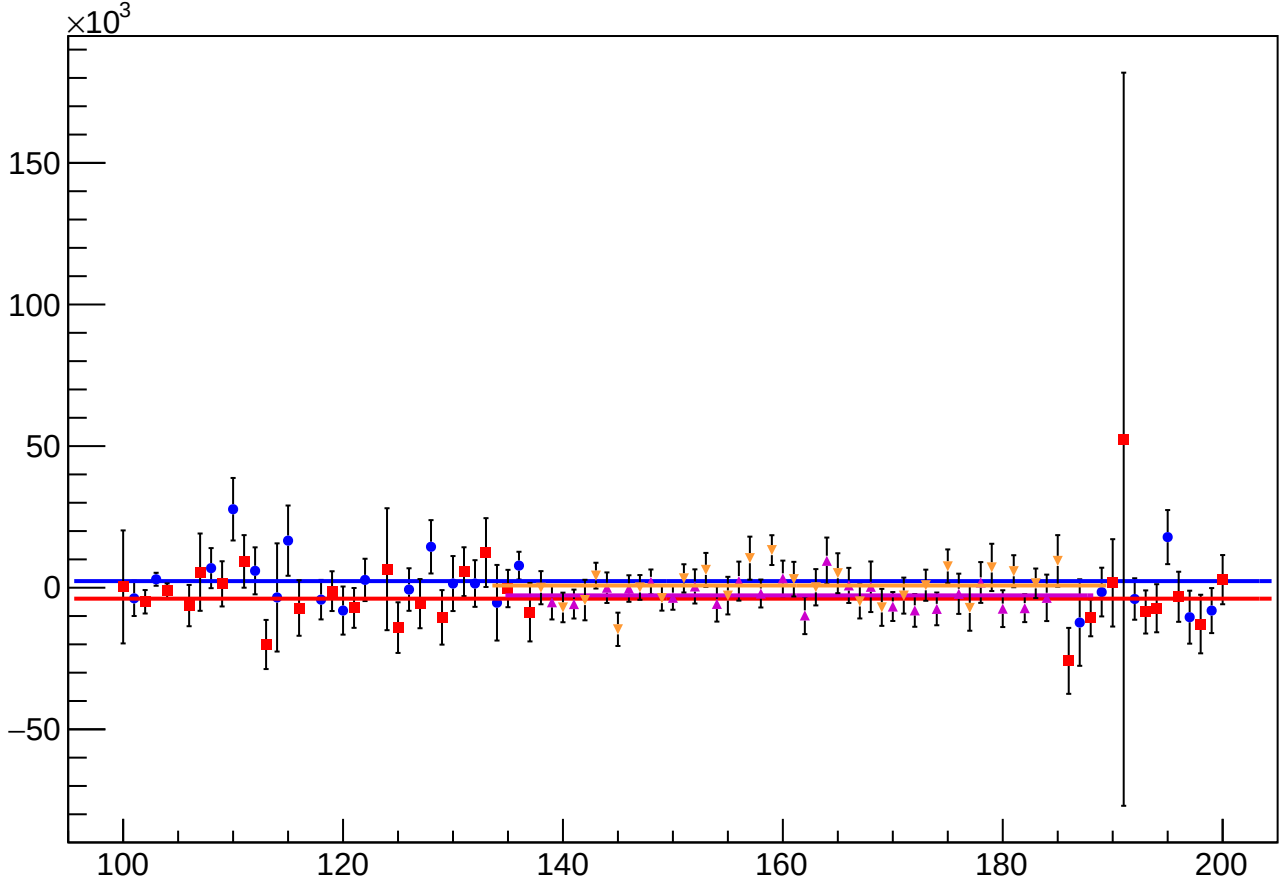
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3655.586+/-0.540 χ^2/NDF: 14867213.5/46

All: 3278.372+/-0.354 χ^2/NDF: 38506007.6/9

- sign 2993.736+/-0.469 χ^2/NDF: 22781448.6/50

asym_atl1r2_avg_mean vs Slug



Right In: 2332.089+/-1418.815 χ^2/NDF: 22.2/21

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3867.849+/-1391.047 χ^2/NDF: 20.6/27

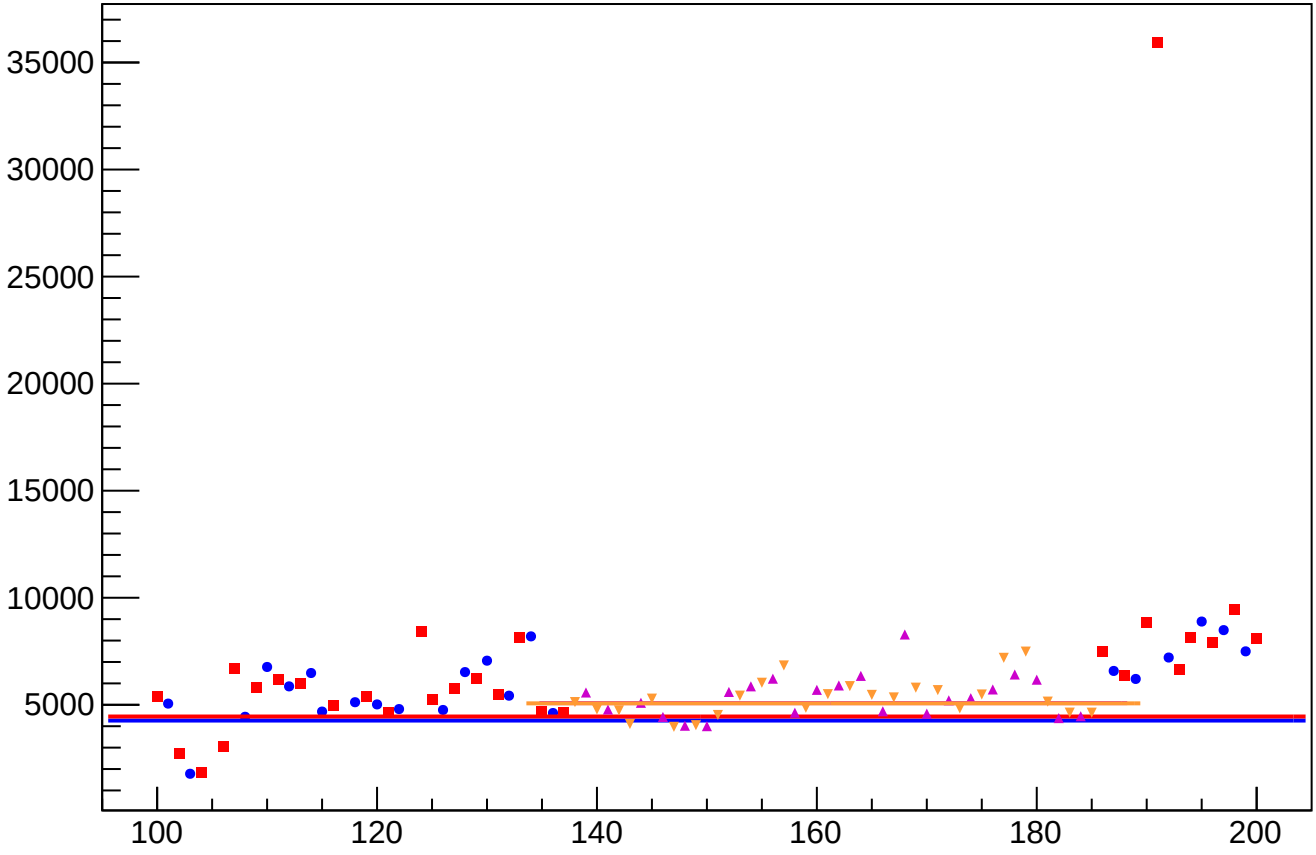
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1414.226+/-903.571 χ^2/NDF: 50.5/46

All: -875.317+/-641.652 χ^2/NDF: 96.4/97

- sign -3204.423+/-911.344 χ^2/NDF: 32.9/50

asym_atl1r2_avg_rms vs Slug



Right In: 4264.579+/-1.003 χ^2/NDF: 4840957.4/21

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4452.958+/-0.976 χ^2/NDF: 5422464.8/27

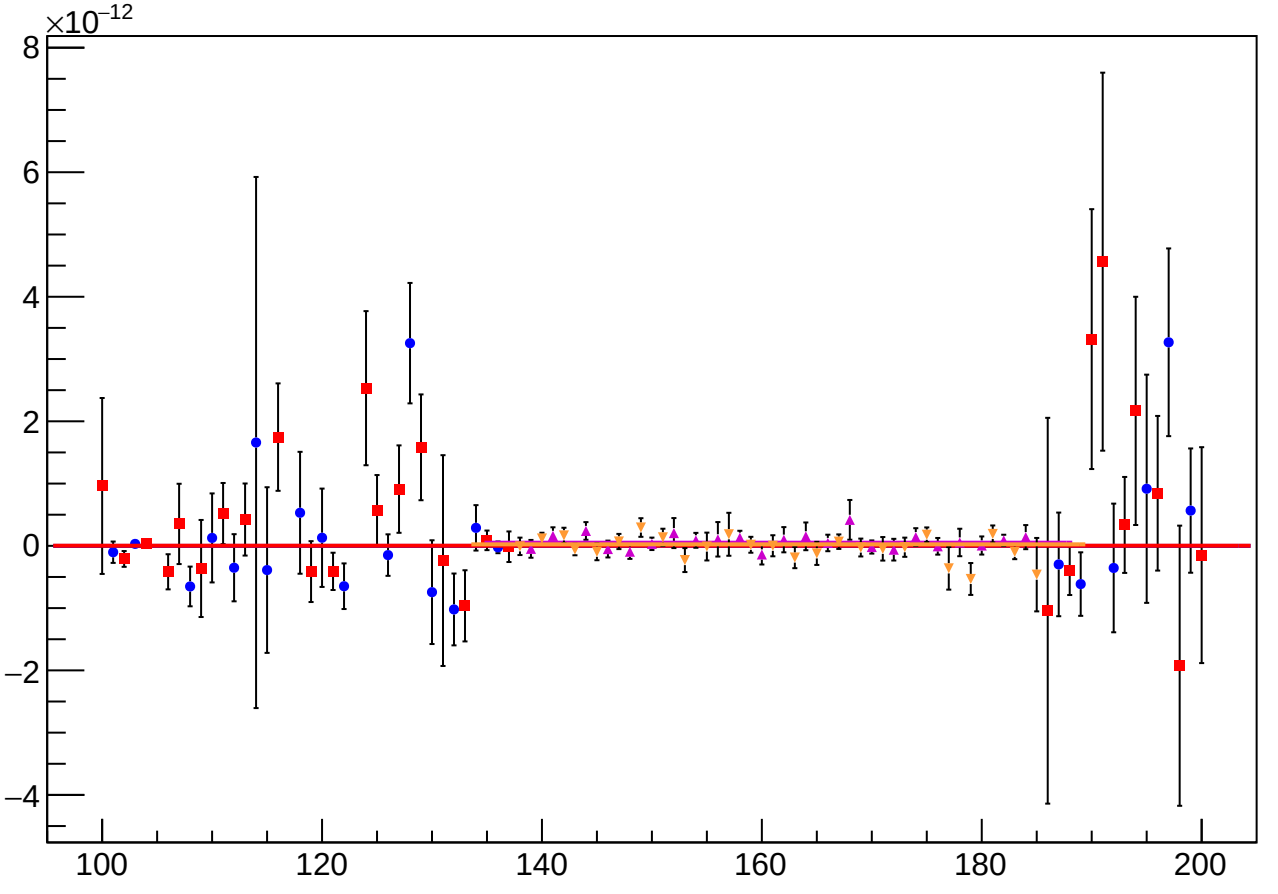
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4742.090+/-0.639 χ^2/NDF: 6176320.7/46

All: 4774.984+/-0.453 χ^2/NDF: 12839240.5/9

- sign 4808.214+/-0.642 χ^2/NDF: 6657591.7/50

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

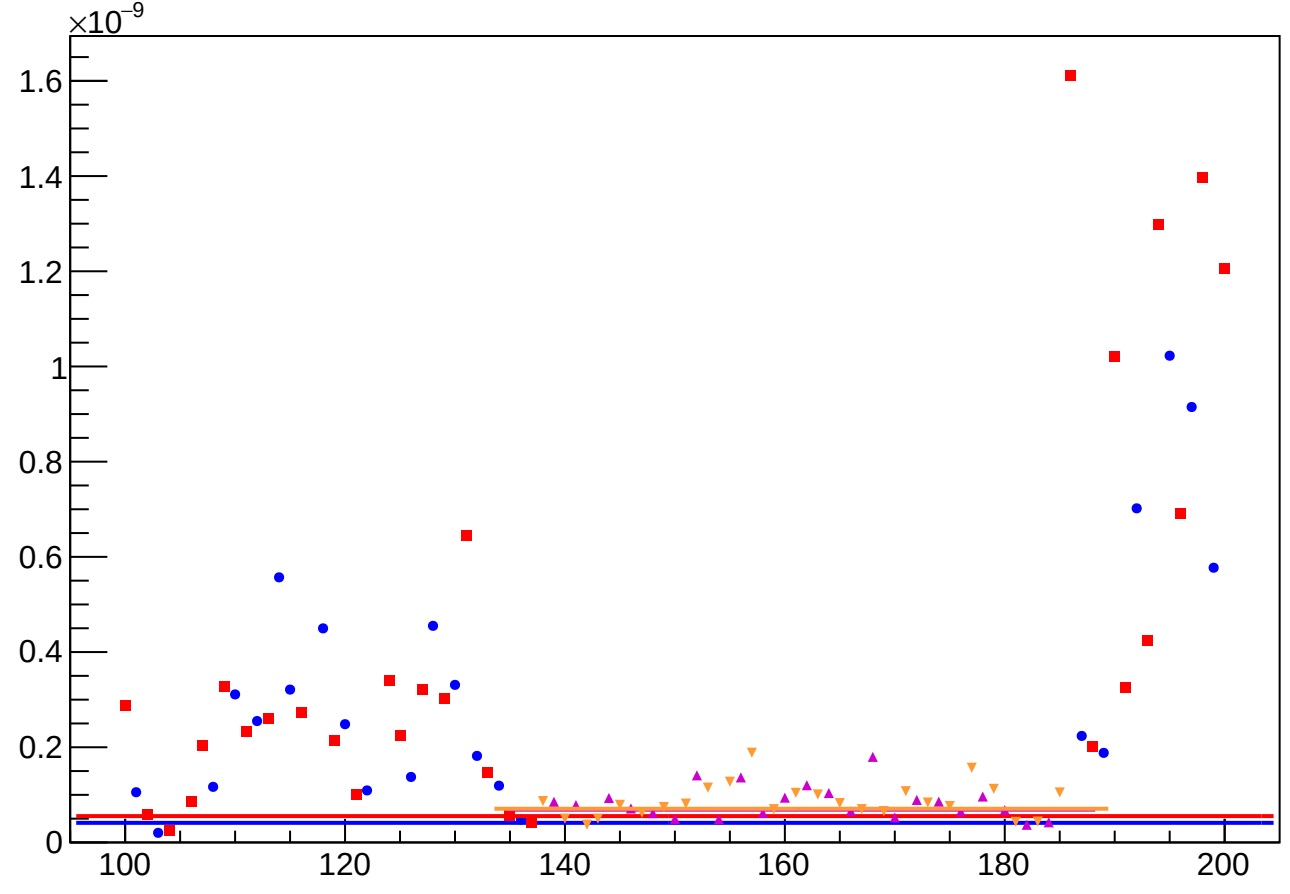
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/27

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/46

All: 0.000+/-0.000 χ^2/NDF: 105.5/97

- sign 0.000+/-0.000 χ^2/NDF: 48.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 6062394.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7662226.8/27

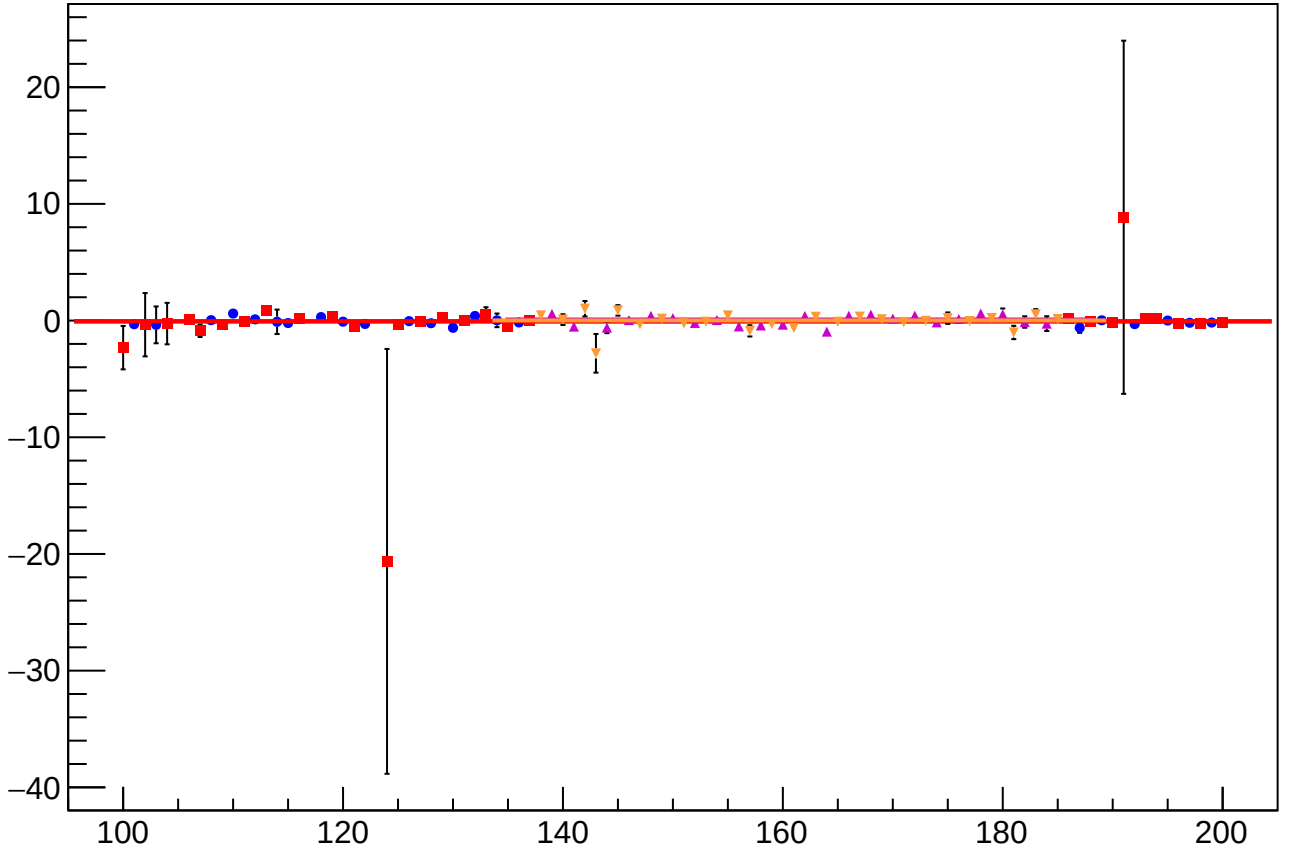
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8371337.7/46

All: 0.000+/-0.000 χ^2/NDF: 17648152.7/97

- sign 0.000+/-0.000 χ^2/NDF: 9223049.2/50

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.054+/-0.054 χ^2/NDF: 27.8/27

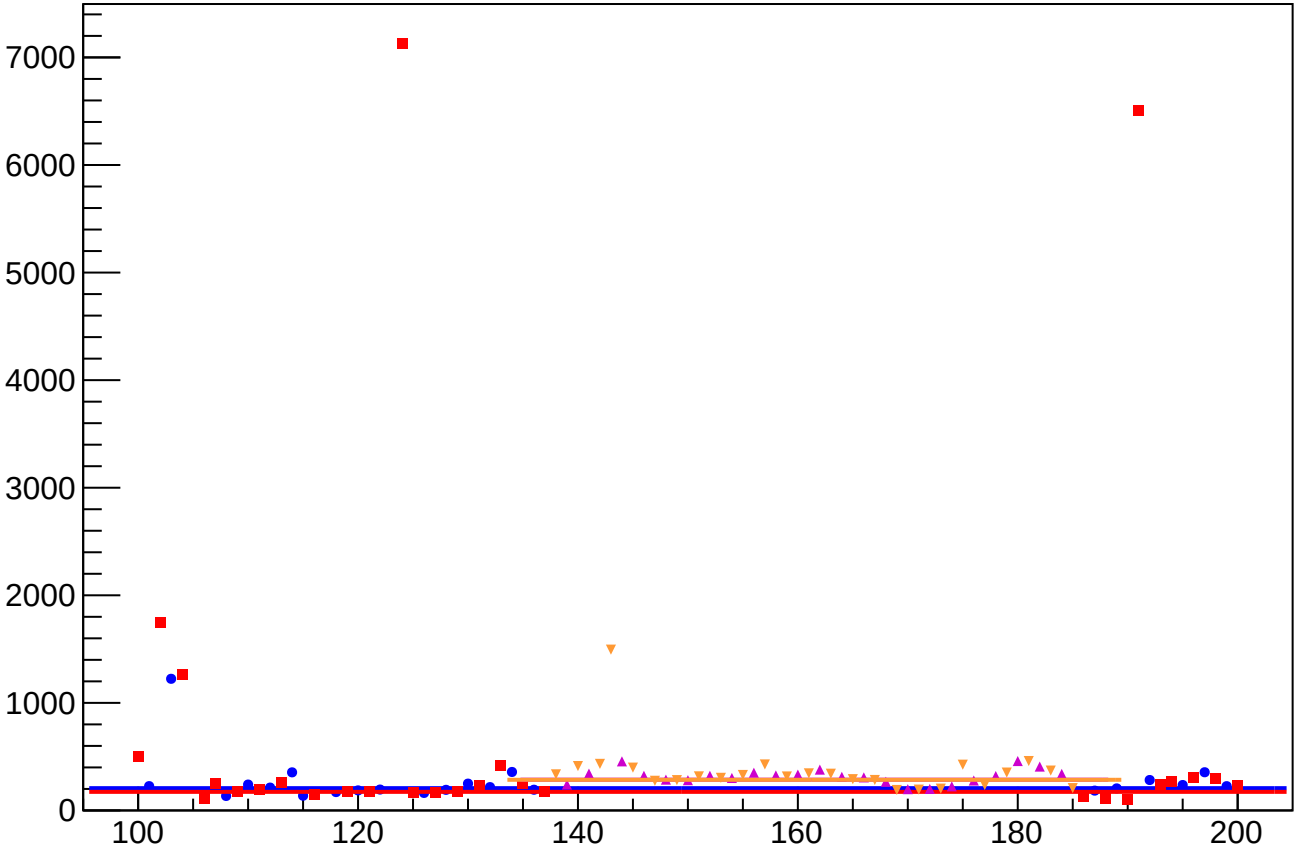
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

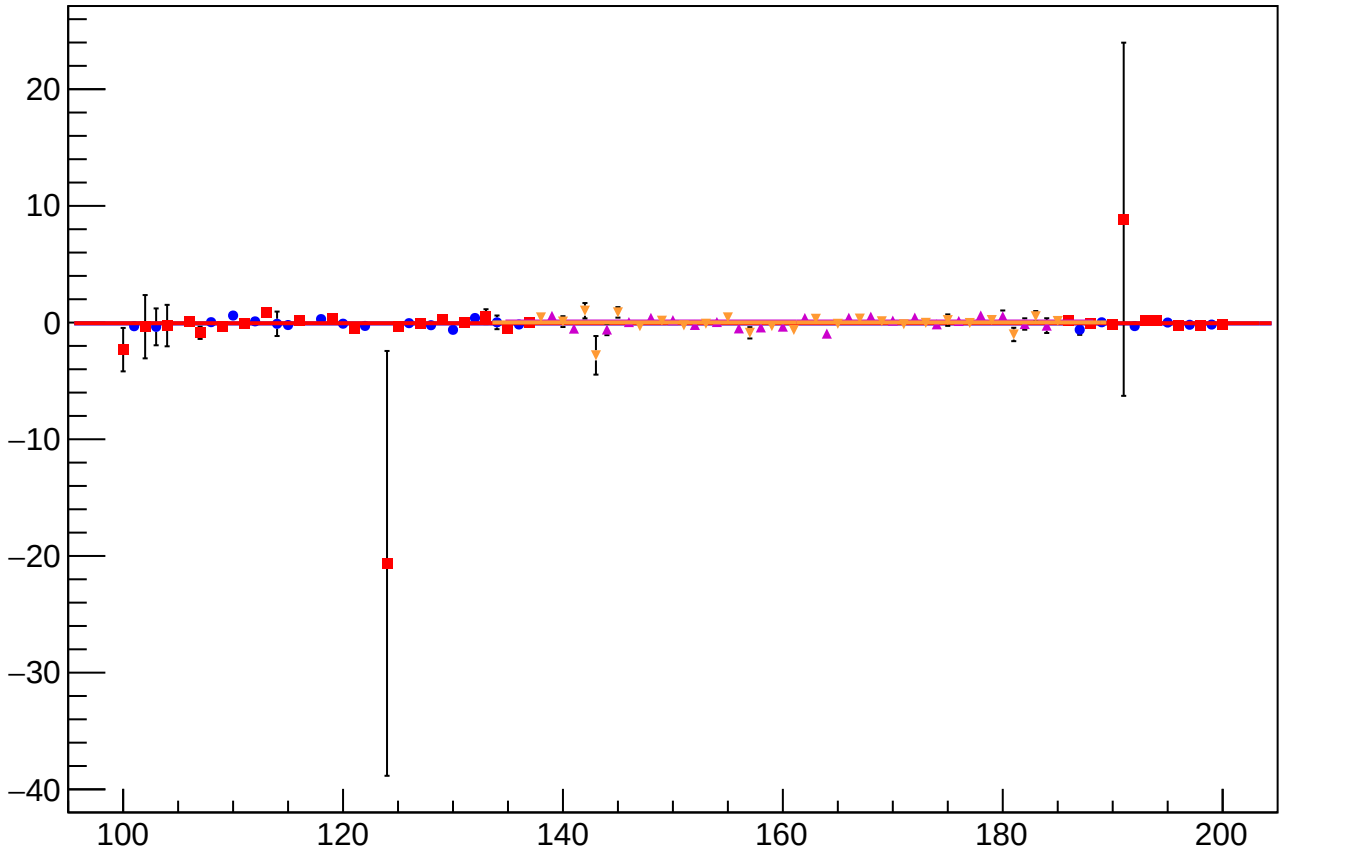
Right Out: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618010.9/46

All: 227.818+/-0.023 χ^2/NDF: 16814005.4/97

- sign 214.880+/-0.030 χ^2/NDF: 9788127.2/50



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.054+/-0.054 χ^2/NDF: 27.8/27

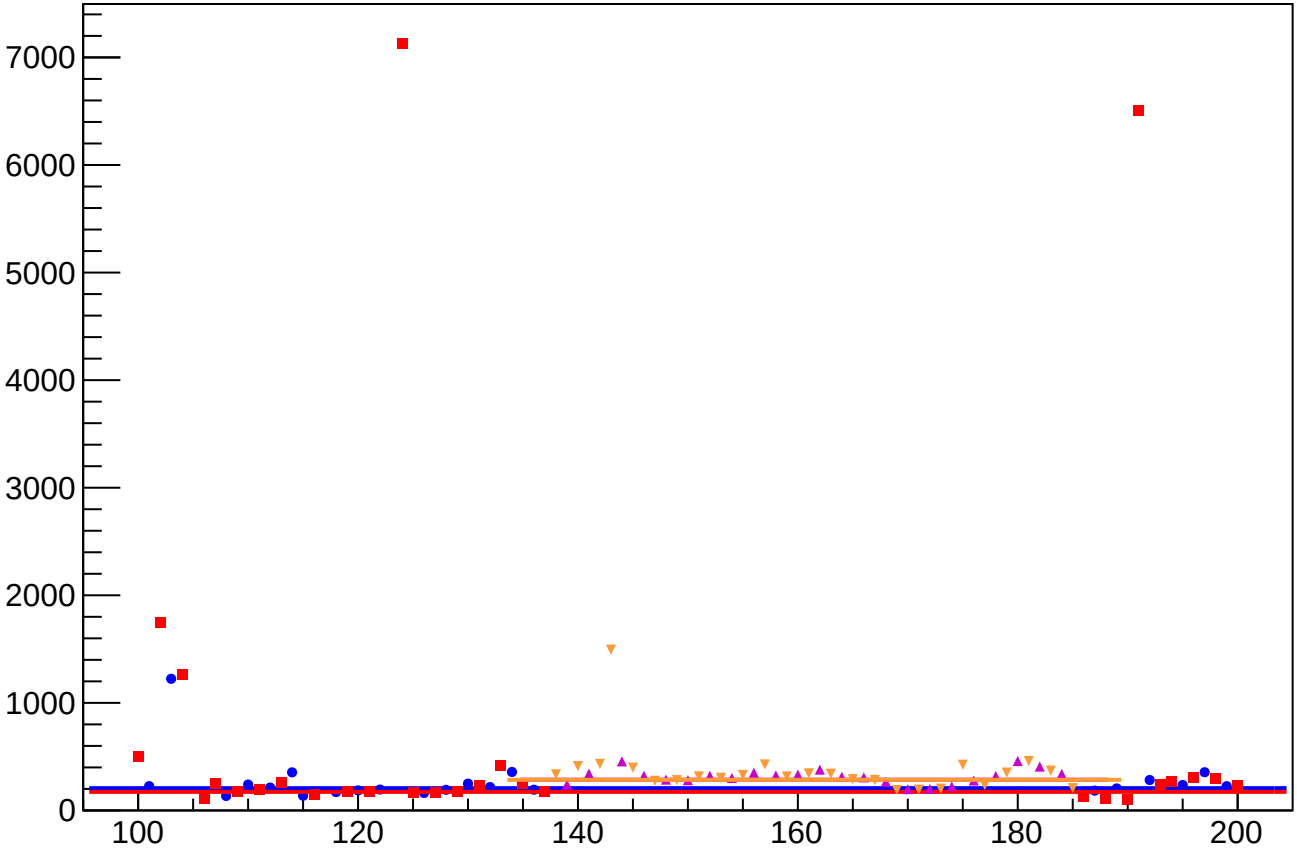
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

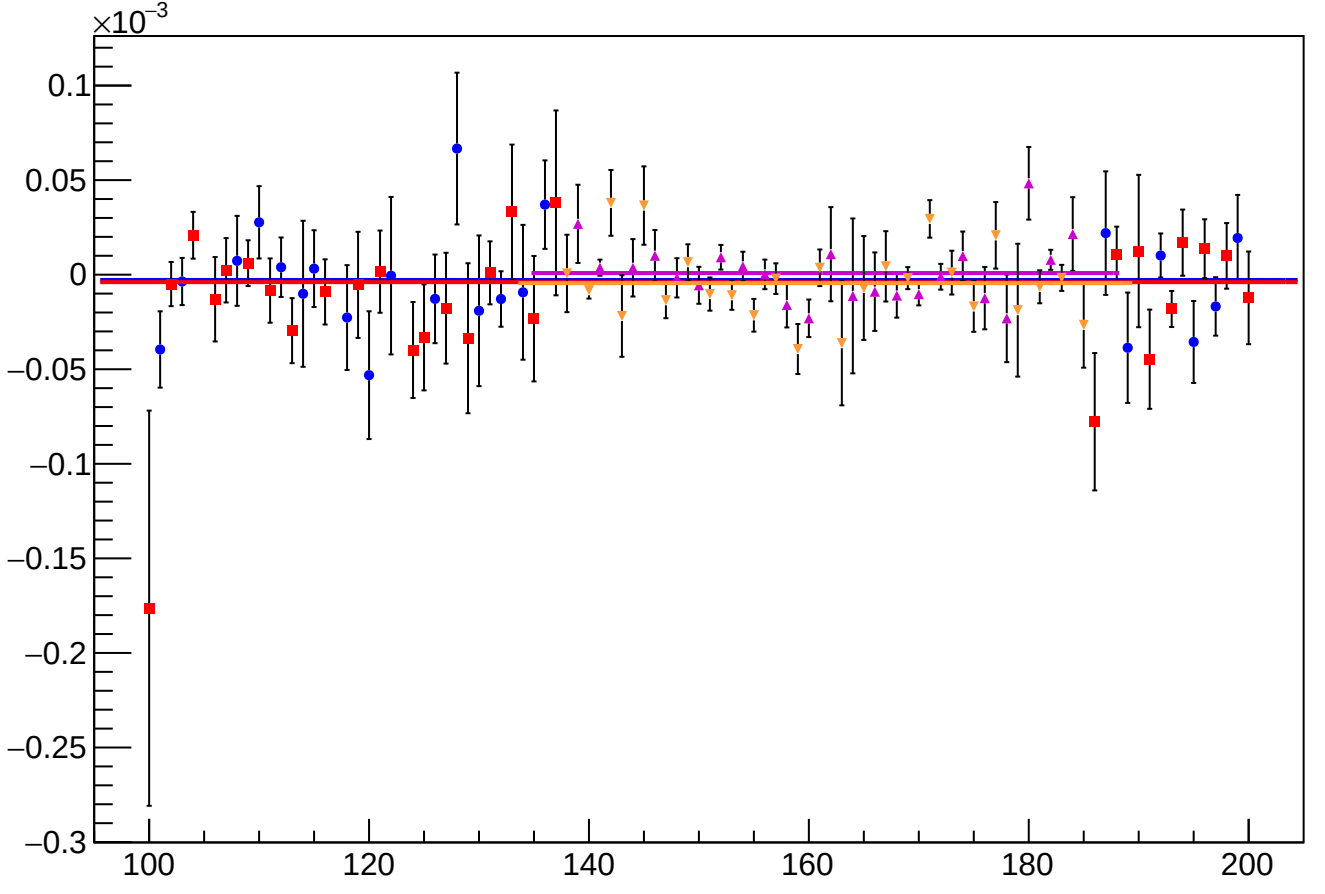
Right Out: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618010.9/46

All: 227.818+/-0.023 χ^2/NDF: 16814005.4/97

- sign 214.880+/-0.030 χ^2/NDF: 9788127.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

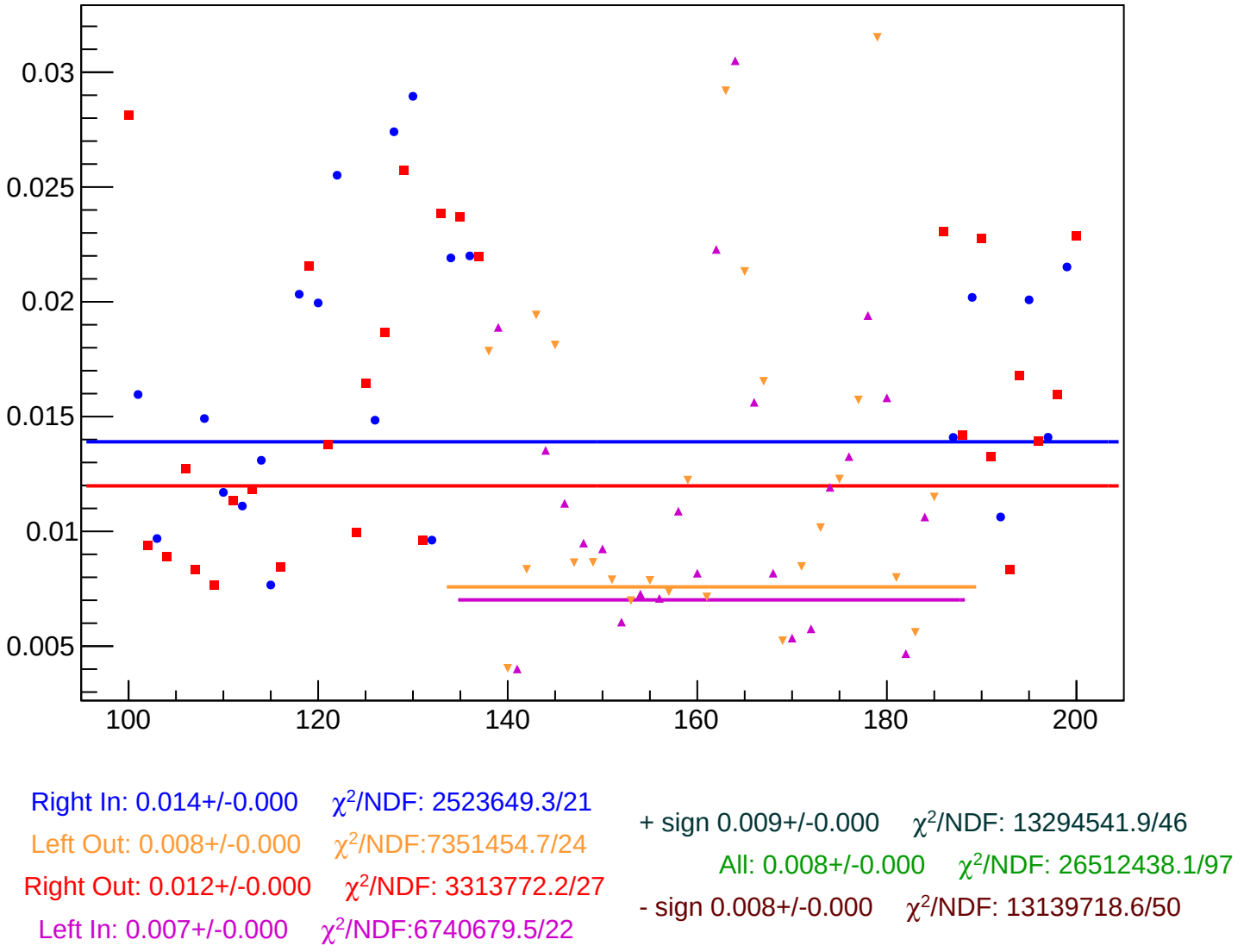
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

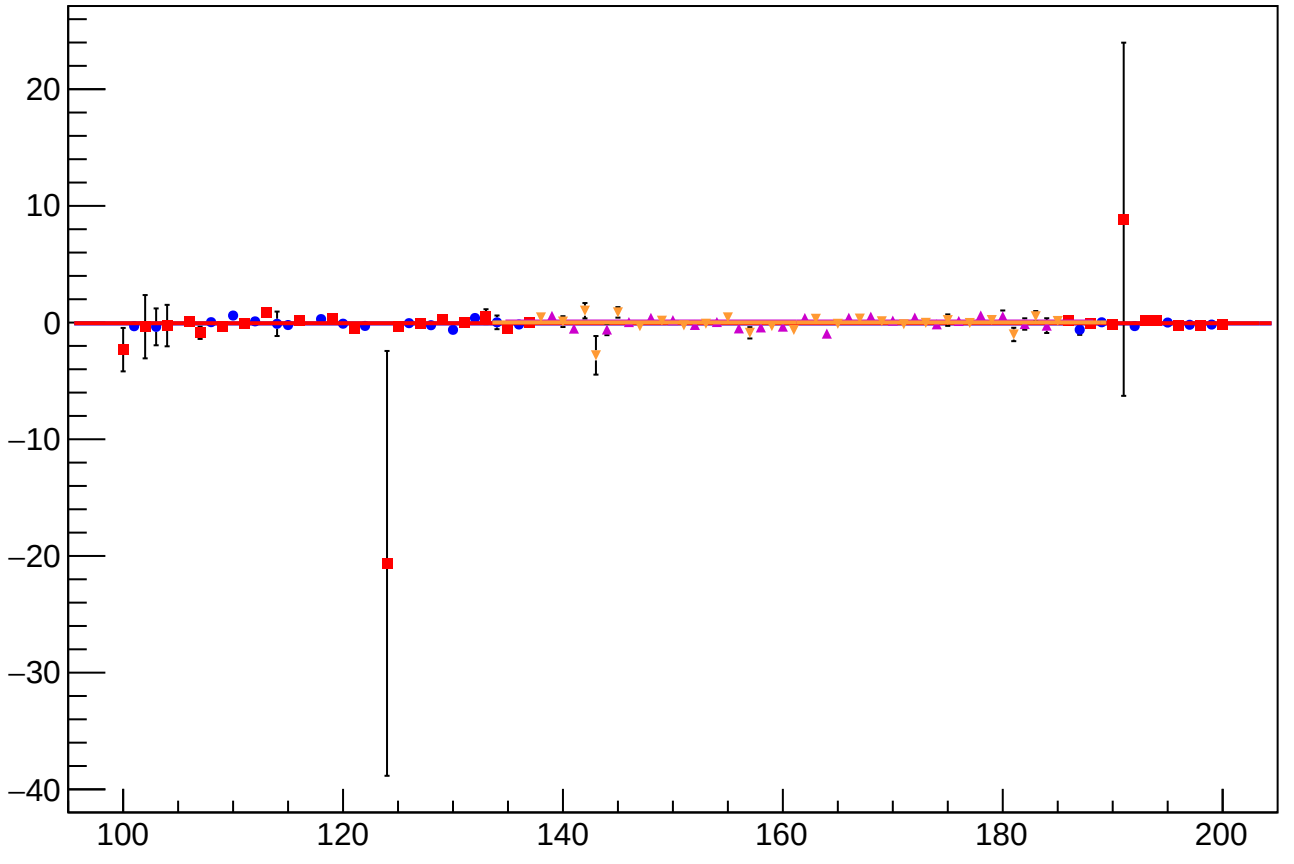
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.2/46

All: -0.000+/-0.000 χ^2/NDF: 129.9/97

- sign -0.000+/-0.000 χ^2/NDF: 60.1/50


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 2523649.3/21
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 3313772.2/27
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.009+/-0.000 χ²/NDF: 13294541.9/46
All: 0.008+/-0.000 χ²/NDF: 26512438.1/97
- sign 0.008+/-0.000 χ²/NDF: 13139718.6/50



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

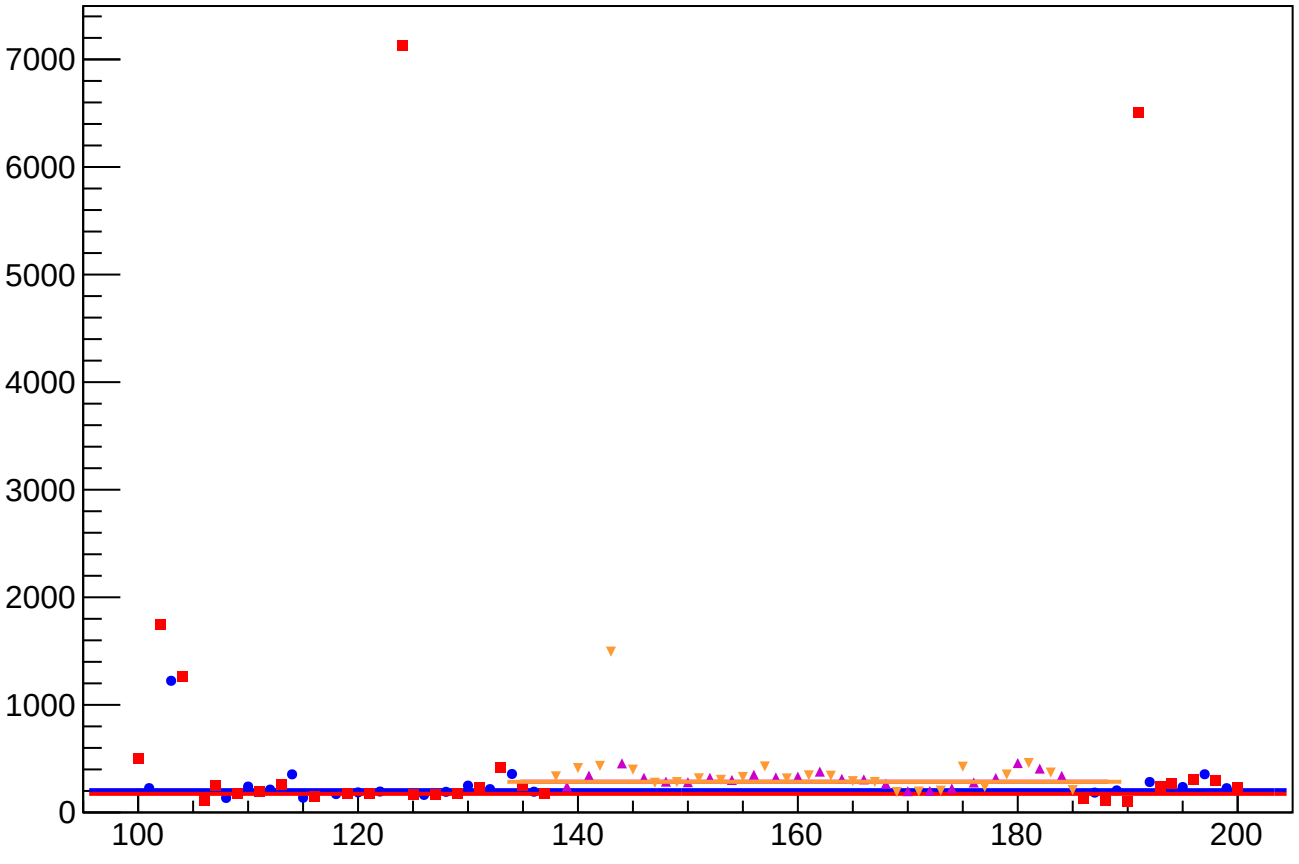
Right Out: -0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

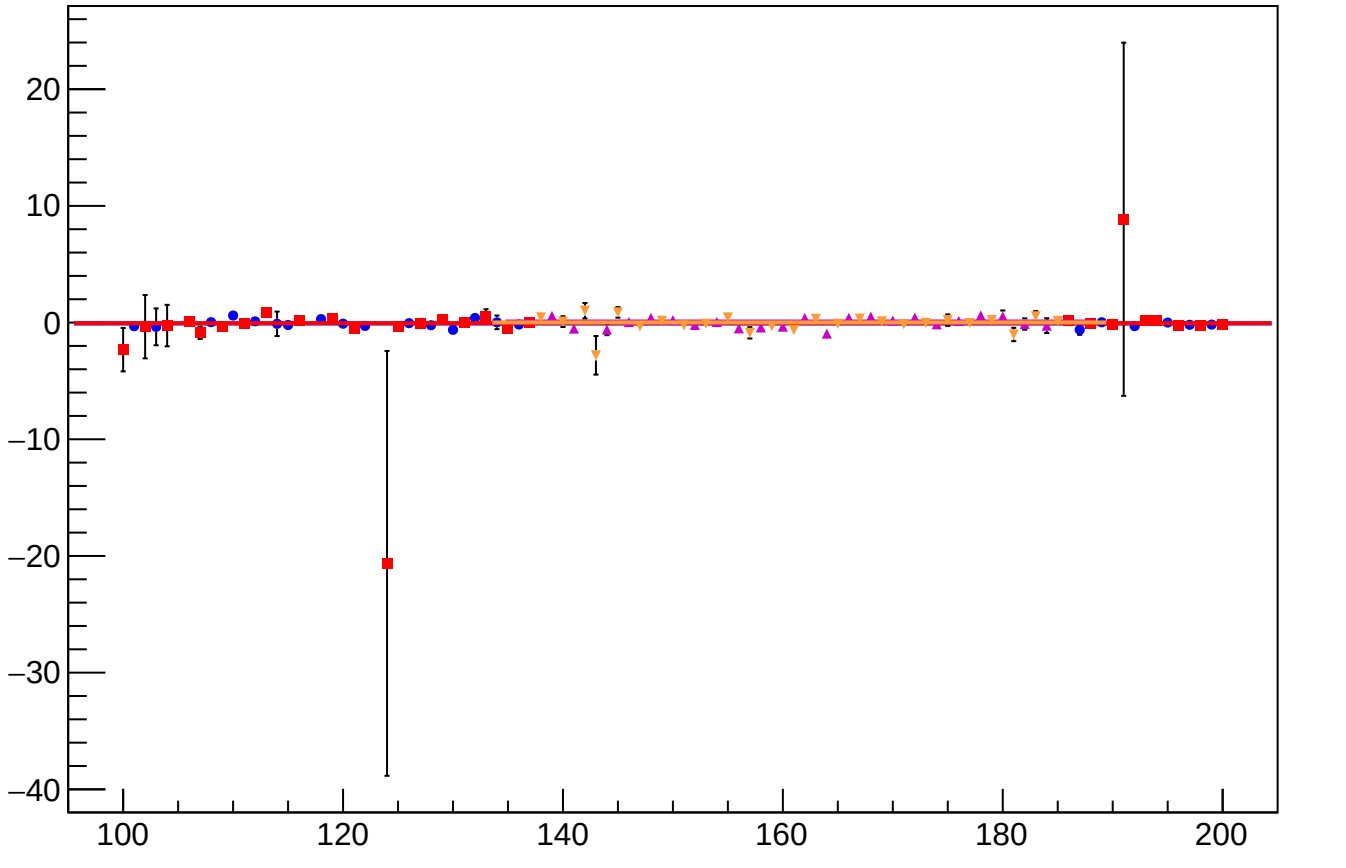
Right Out: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618164.7/46

All: 227.817+/-0.023 χ^2/NDF: 16814683.3/97

- sign 214.878+/-0.030 χ^2/NDF: 9788595.7/50



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

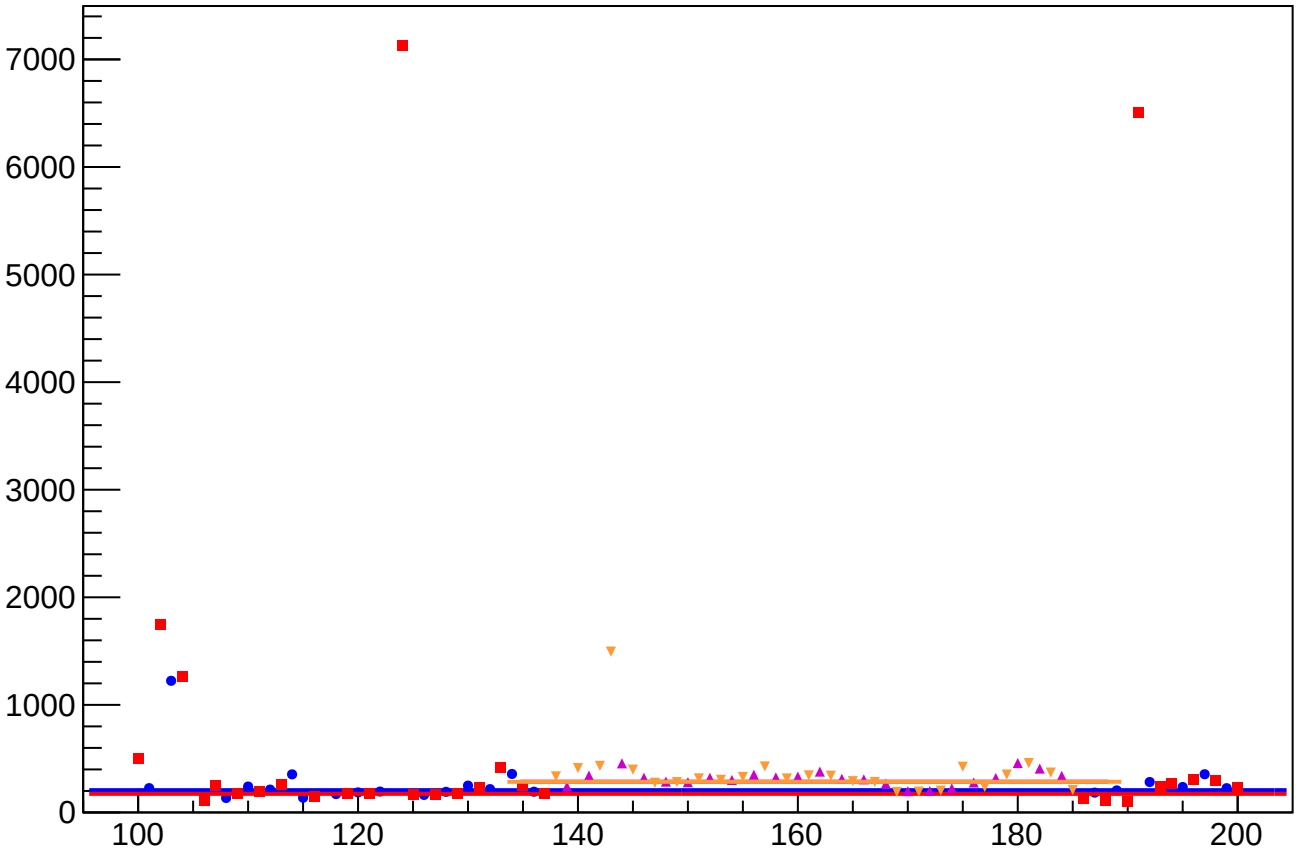
Right Out: -0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

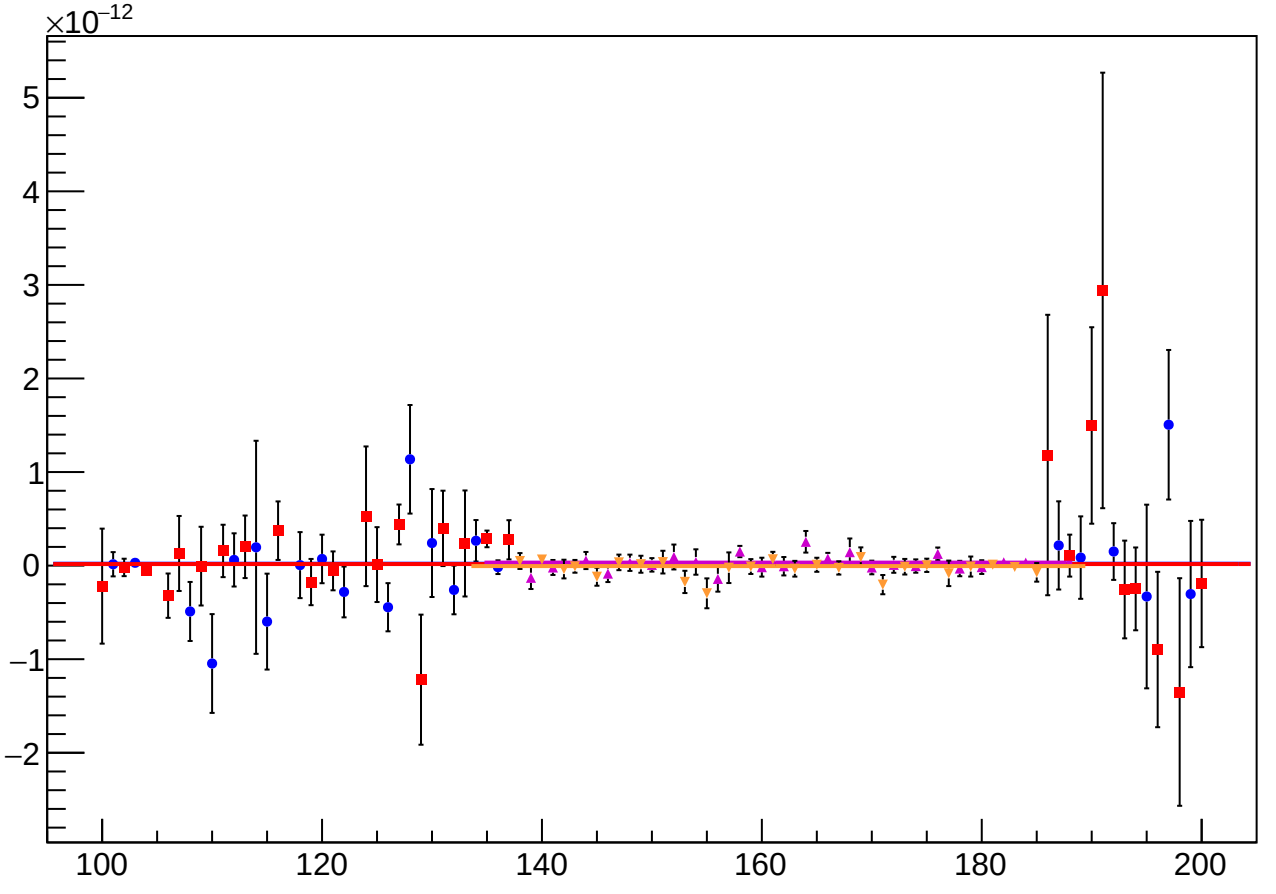
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618164.7/46

All: 227.817+/-0.023 χ^2/NDF: 16814683.3/97

- sign 214.878+/-0.030 χ^2/NDF: 9788595.7/50

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

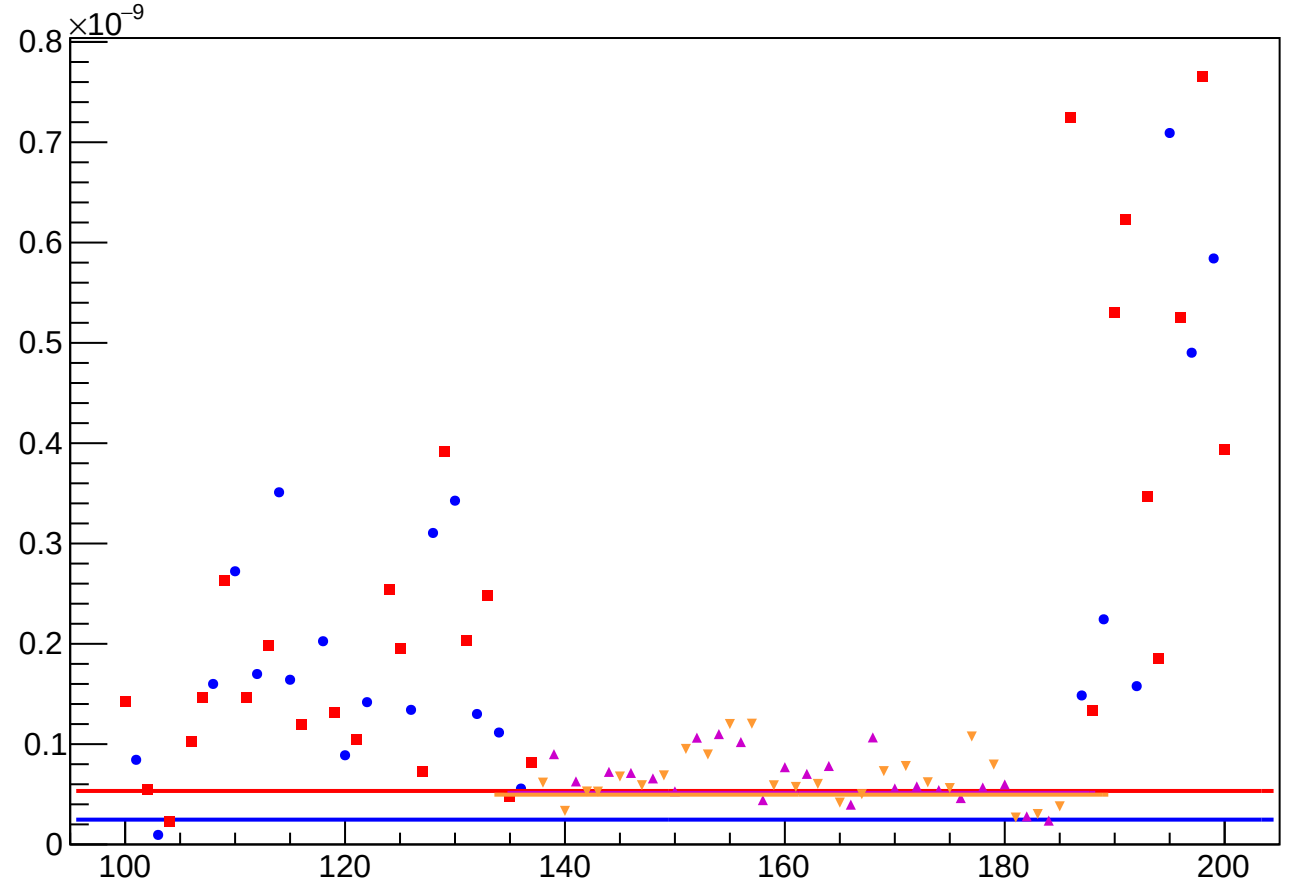
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/27

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/46

All: 0.000+/-0.000 χ^2/NDF: 96.5/97

- sign 0.000+/-0.000 χ^2/NDF: 53.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 10045797.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8140328.7/27

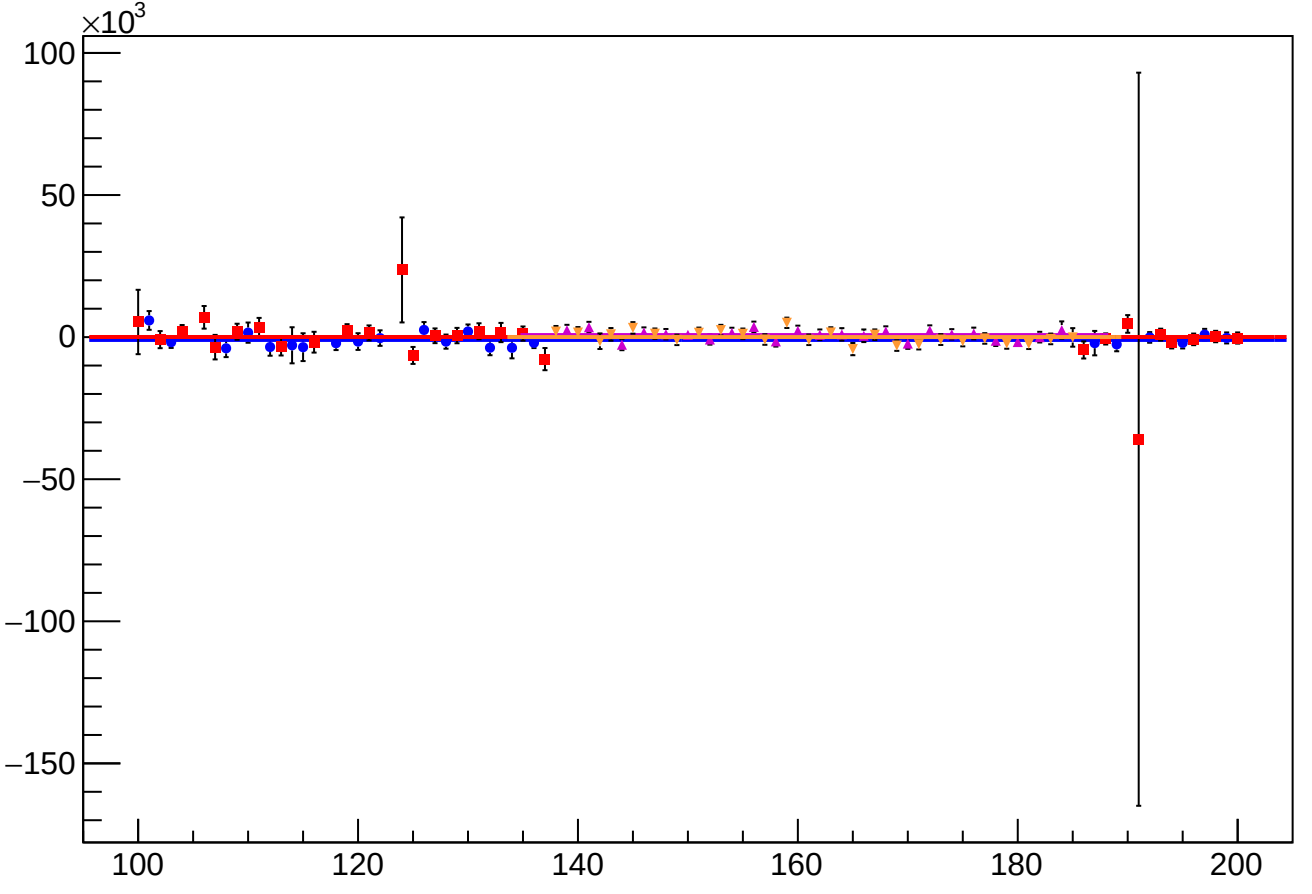
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15843941.3/46

All: 0.000+/-0.000 χ^2/NDF: 28343315.7/97

- sign 0.000+/-0.000 χ^2/NDF: 11806172.9/50

reg_asym_atl1r2_dd_mean vs Slug



Right In: -986.696+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 46.519+/-518.005 χ^2/NDF: 26.6/27

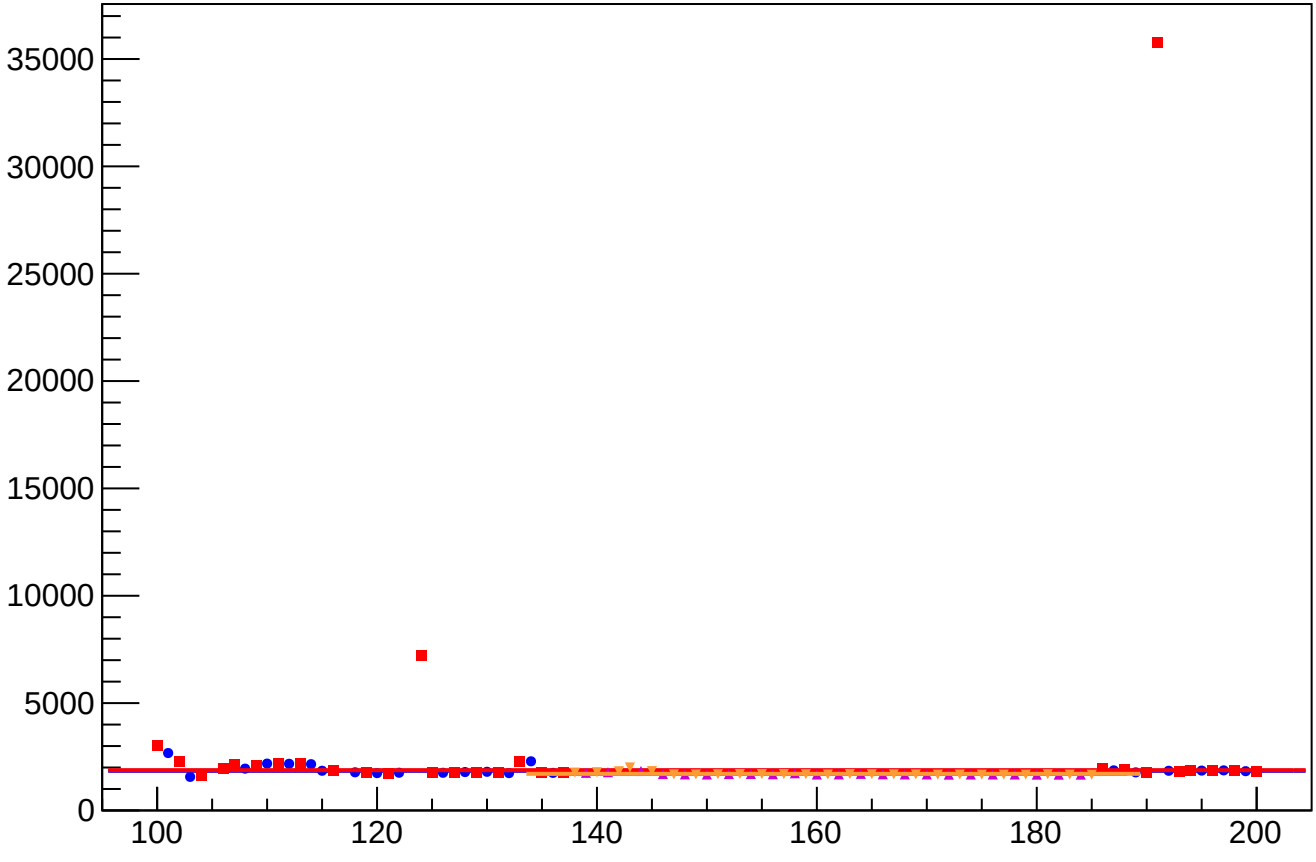
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -314.936+/-316.242 χ^2/NDF: 46.0/46

All: 79.753+/-223.115 χ^2/NDF: 95.8/97

- sign 470.916+/-314.826 χ^2/NDF: 46.7/50

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262327.1/21

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1875.767+/-0.366 χ^2/NDF: 511818.0/27

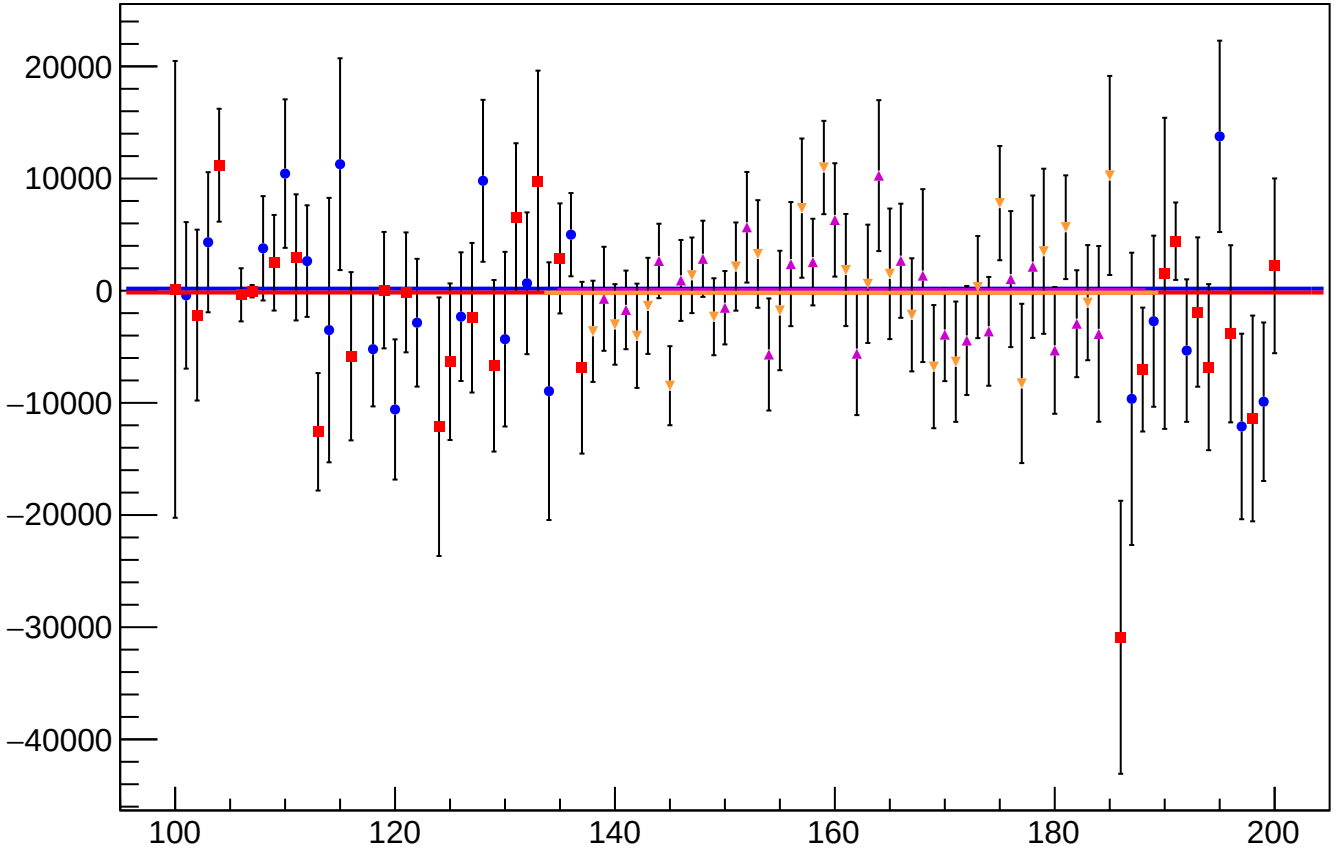
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.7/46

All: 1758.258+/-0.158 χ^2/NDF: 1095071.1/97

- sign 1763.461+/-0.223 χ^2/NDF: 682549.4/50

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 183.246+/-1361.528 χ^2/NDF: 22.4/21

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -163.020+/-492.406 χ^2/NDF: 30.3/27

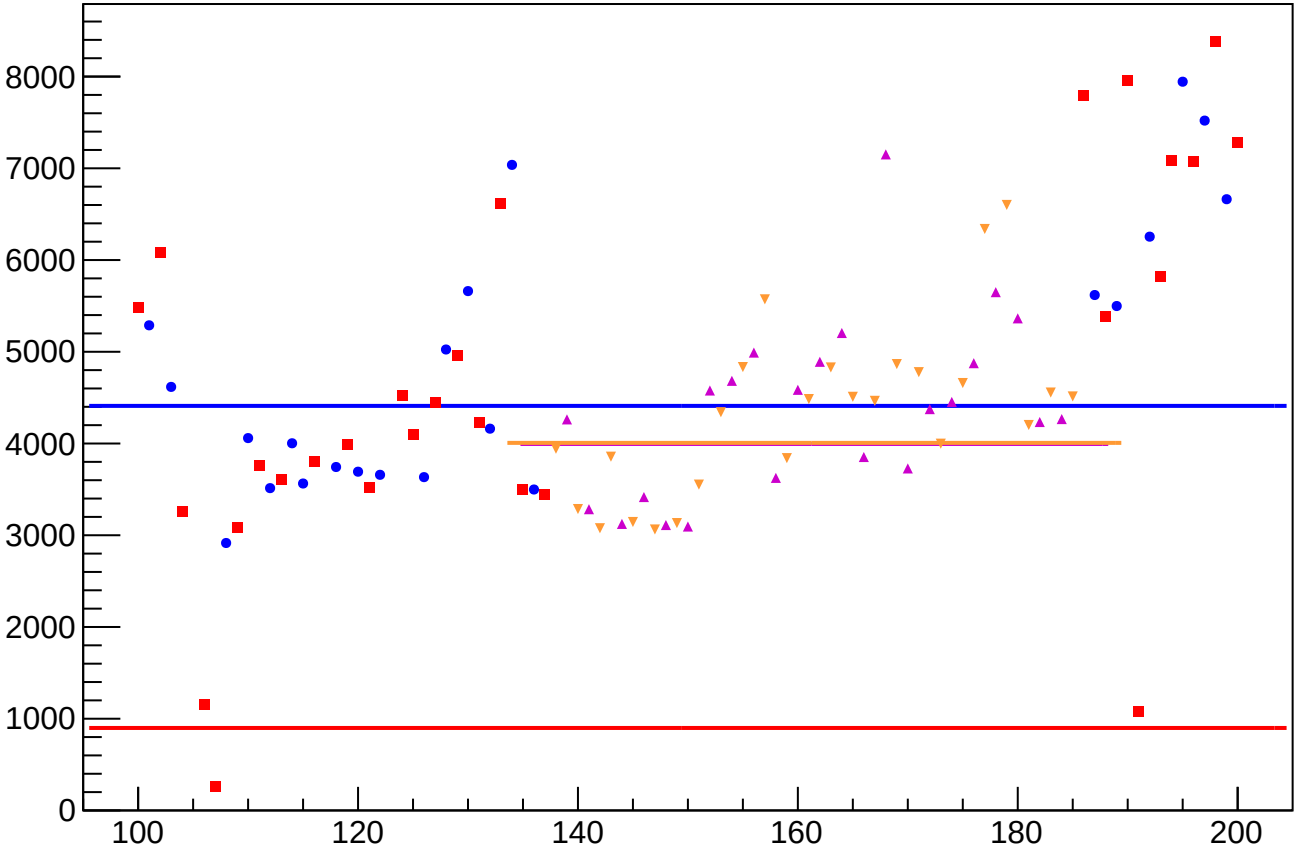
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -60.699+/-770.836 χ^2/NDF: 50.4/46

All: -103.294+/-380.677 χ^2/NDF: 95.1/97

- sign -117.034+/-437.788 χ^2/NDF: 44.7/50

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4410.175+/-0.963 χ^2/NDF: 1816539.8/21

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 899.250+/-0.348 χ^2/NDF: 19783719.0/27

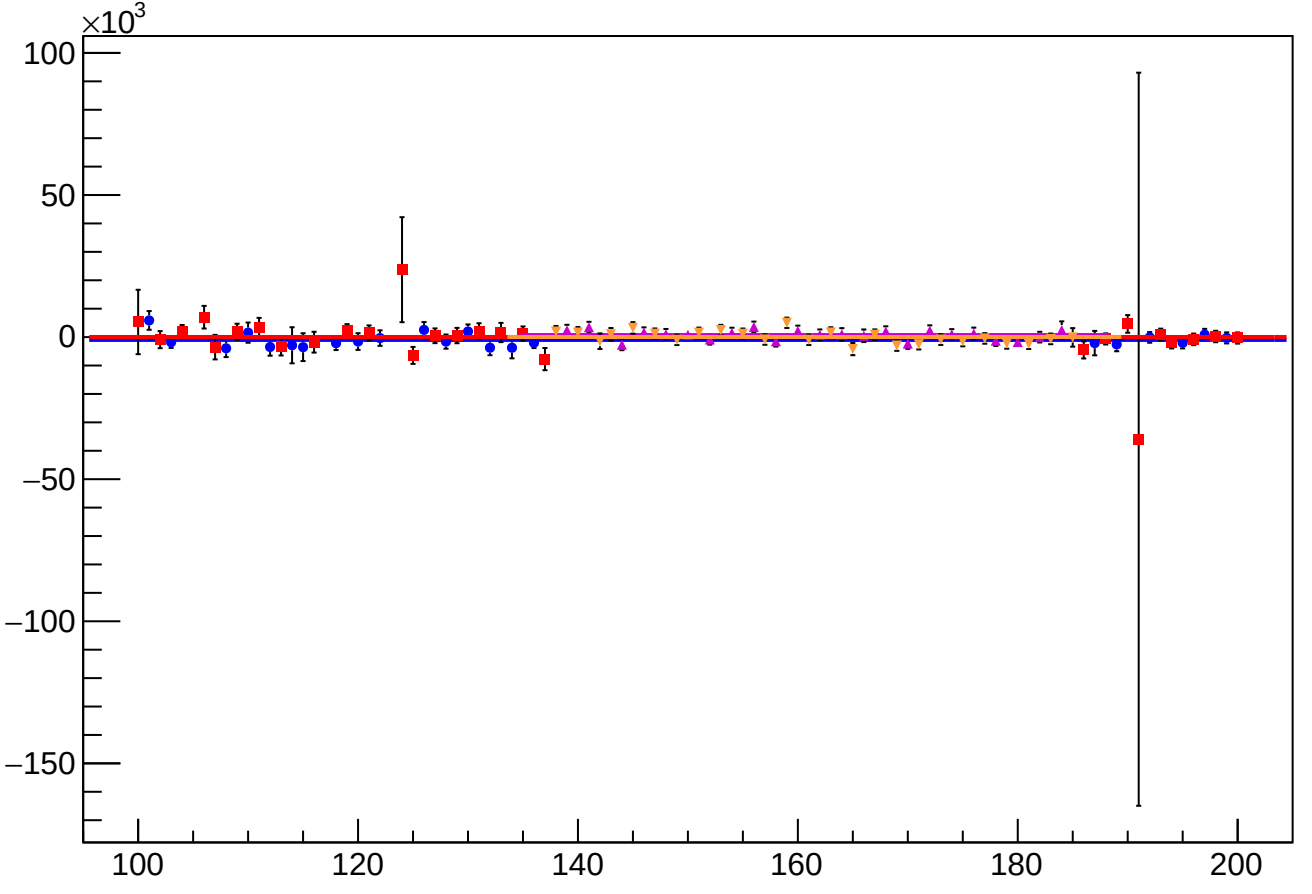
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4136.229+/-0.545 χ^2/NDF: 3439379.1/46

All: 2179.175+/-0.269 χ^2/NDF: 58375351.5/9

- sign 1547.917+/-0.310 χ^2/NDF: 37885926.0/50

cor_asym_atl1r2_dd_mean vs Slug



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 46.697+/-518.005 χ^2/NDF: 26.6/27

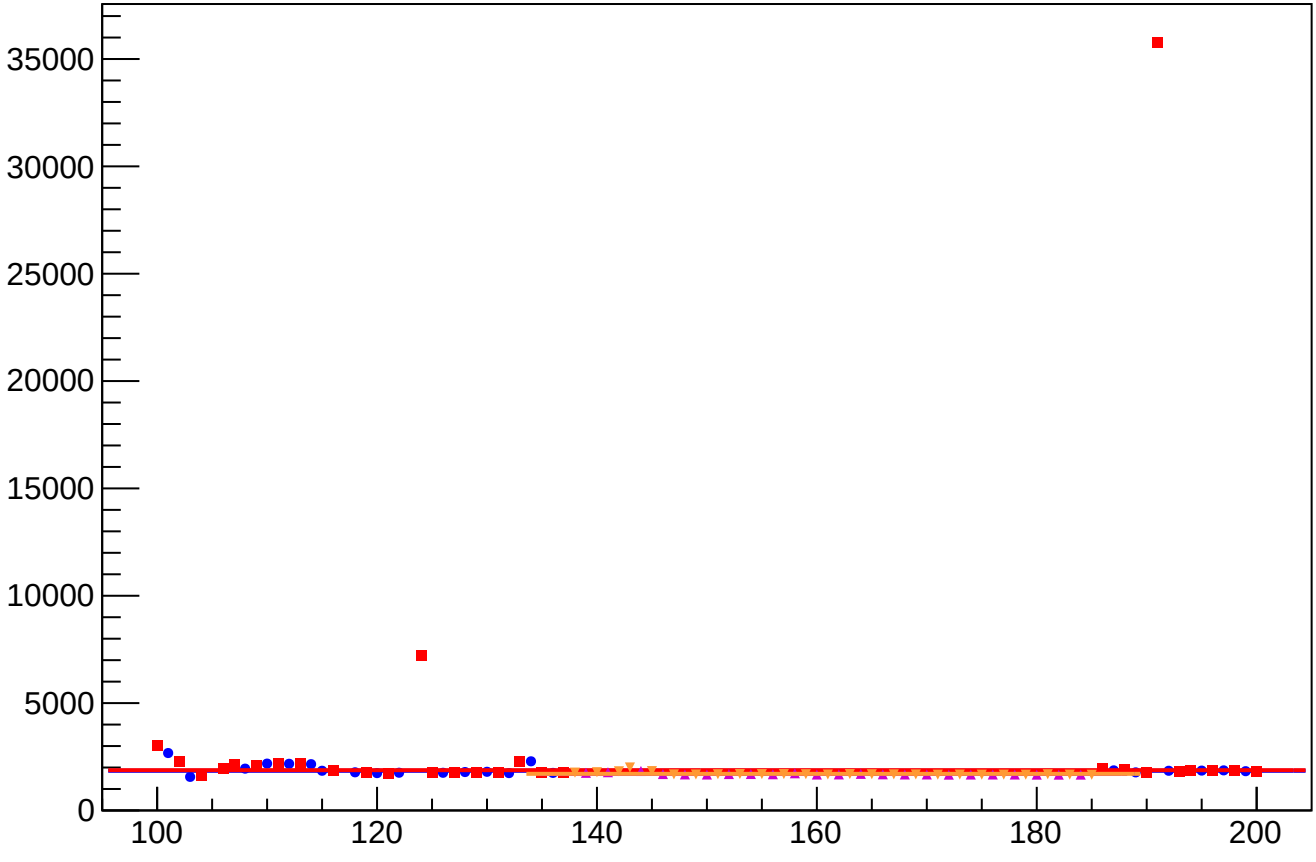
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -314.806+/-316.242 χ^2/NDF: 46.0/46

All: 79.811+/-223.115 χ^2/NDF: 95.8/97

- sign 470.904+/-314.826 χ^2/NDF: 46.8/50

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

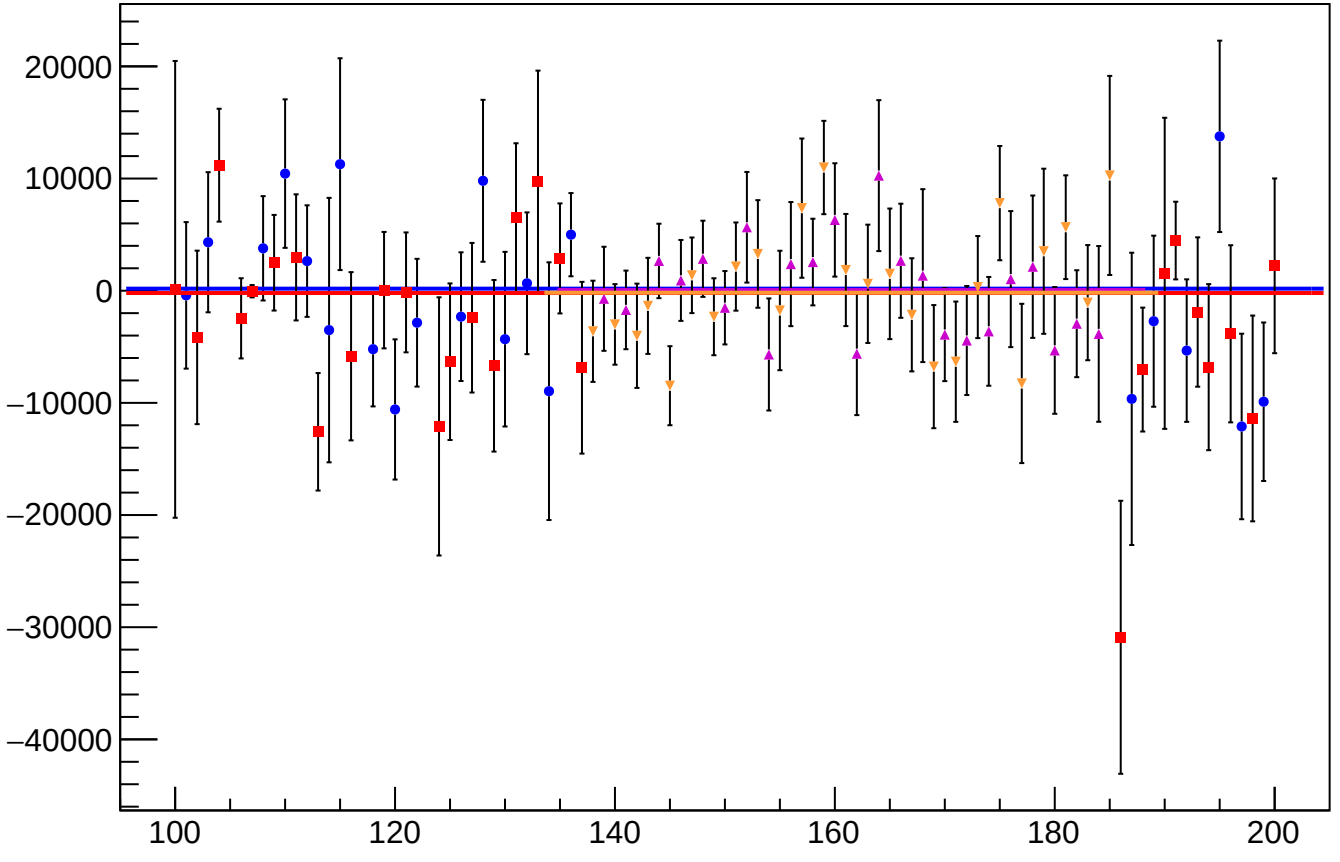
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.1/46

All: 1758.298+/-0.158 χ^2/NDF: 1095744.4/97

- sign 1763.541+/-0.223 χ^2/NDF: 683206.4/50

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -205.623+/-498.521 χ^2/NDF: 31.0/27

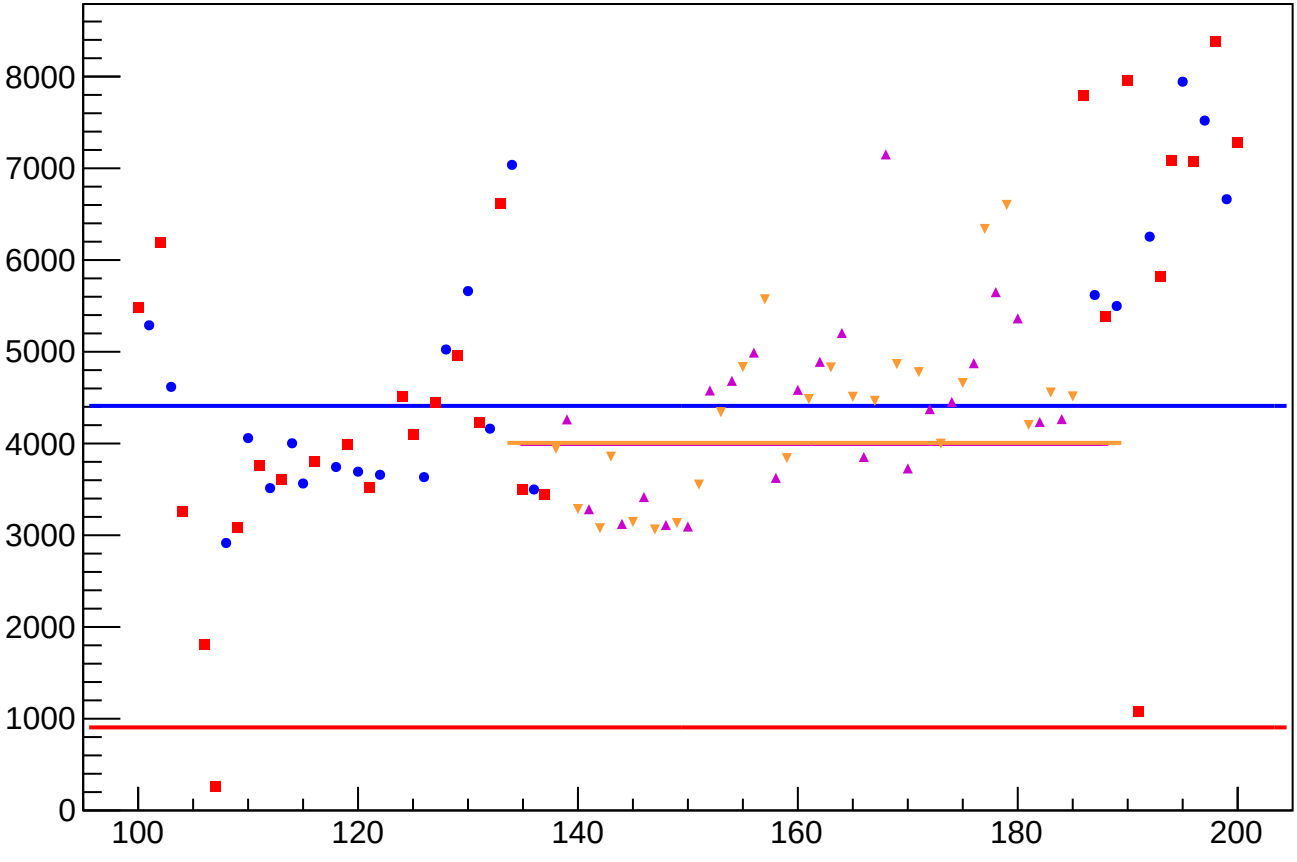
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -60.694+/-770.836 χ^2/NDF: 50.4/46

All: -127.631+/-383.482 χ^2/NDF: 95.7/97

- sign -149.646+/-442.069 χ^2/NDF: 45.3/50

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

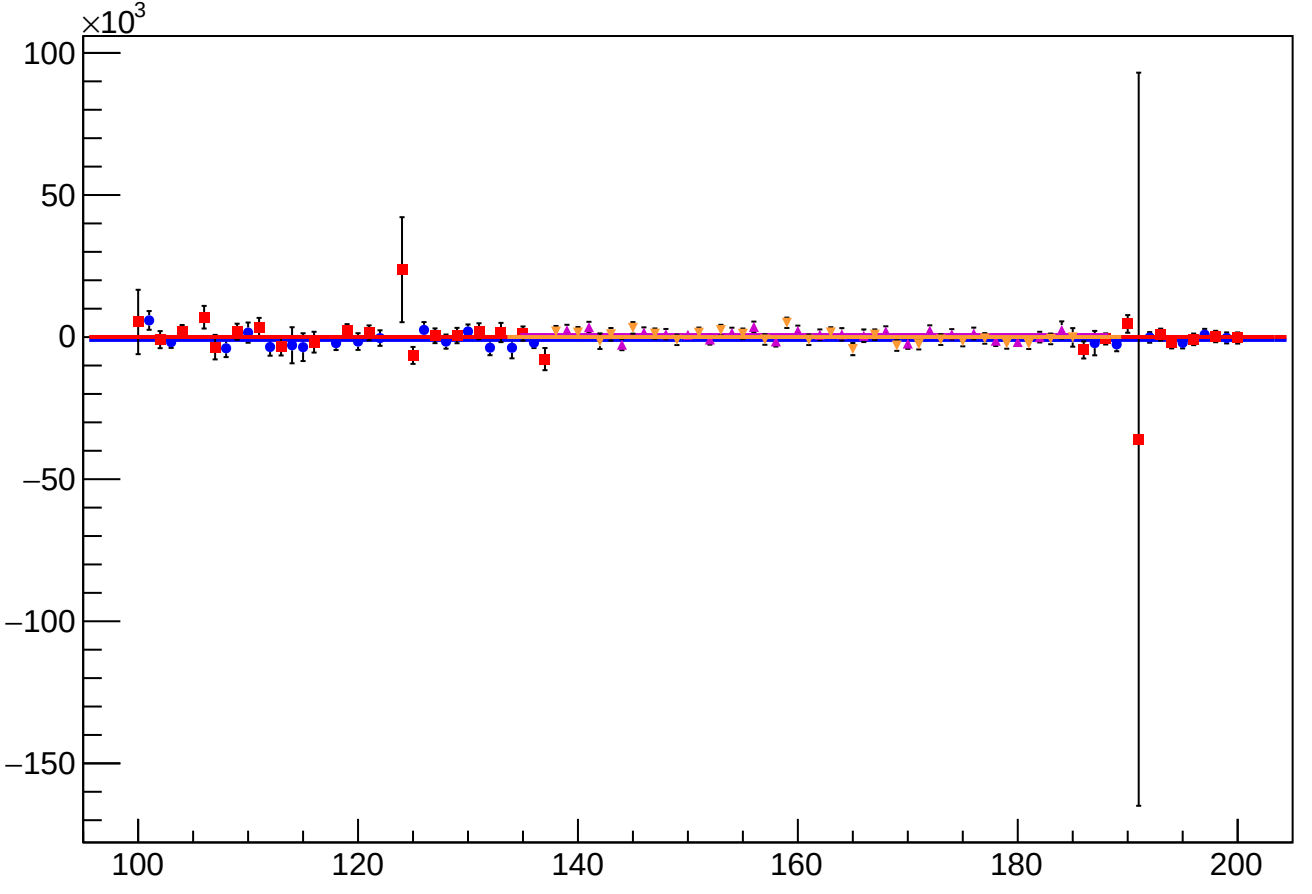
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4136.226+/-0.545 χ^2/NDF: 3439430.0/46

All: 2201.701+/-0.271 χ^2/NDF: 58031214.2/9

- sign 1565.447+/-0.313 χ^2/NDF: 37852171.7/50

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 46.697+/-518.005 χ^2/NDF: 26.6/27

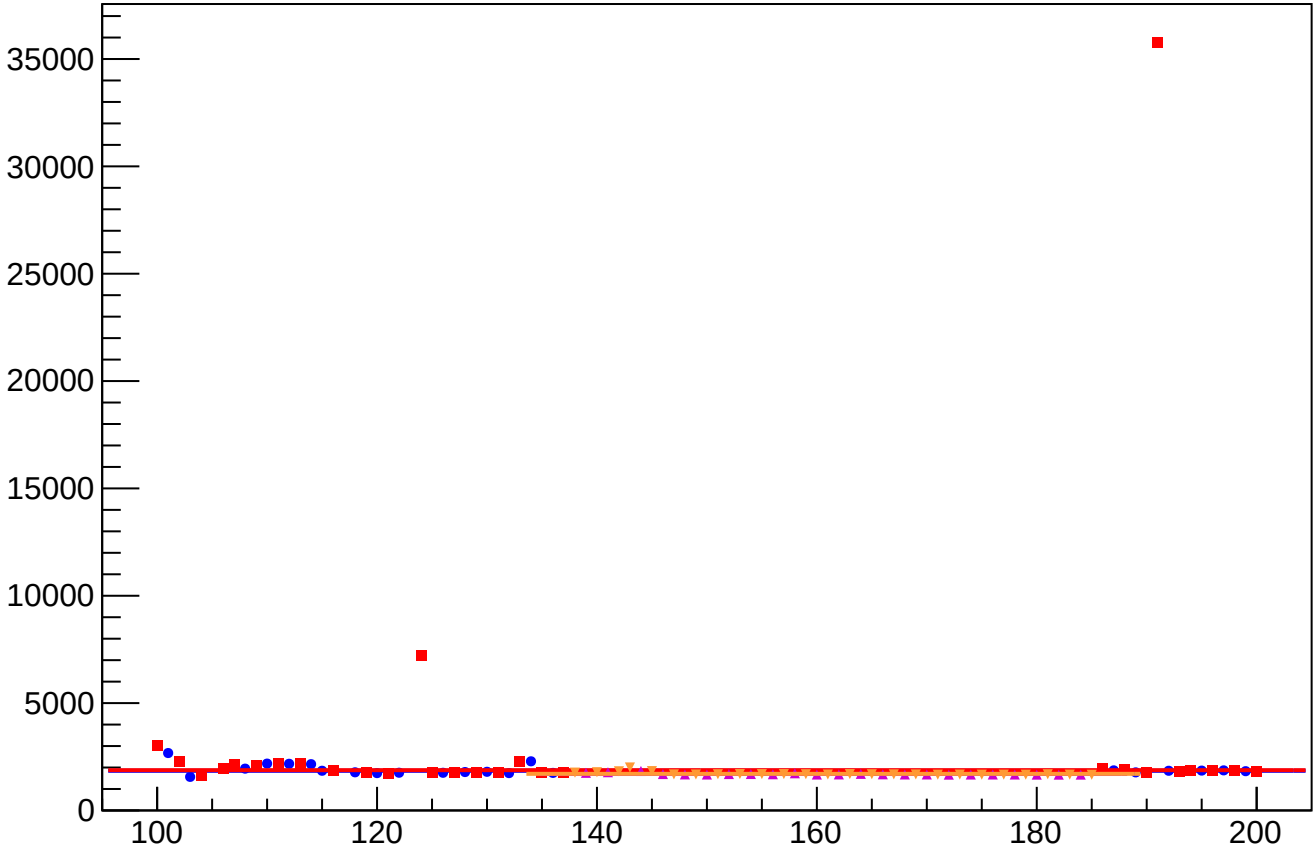
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -314.806+/-316.242 χ^2/NDF: 46.0/46

All: 79.811+/-223.115 χ^2/NDF: 95.8/97

- sign 470.904+/-314.826 χ^2/NDF: 46.8/50

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

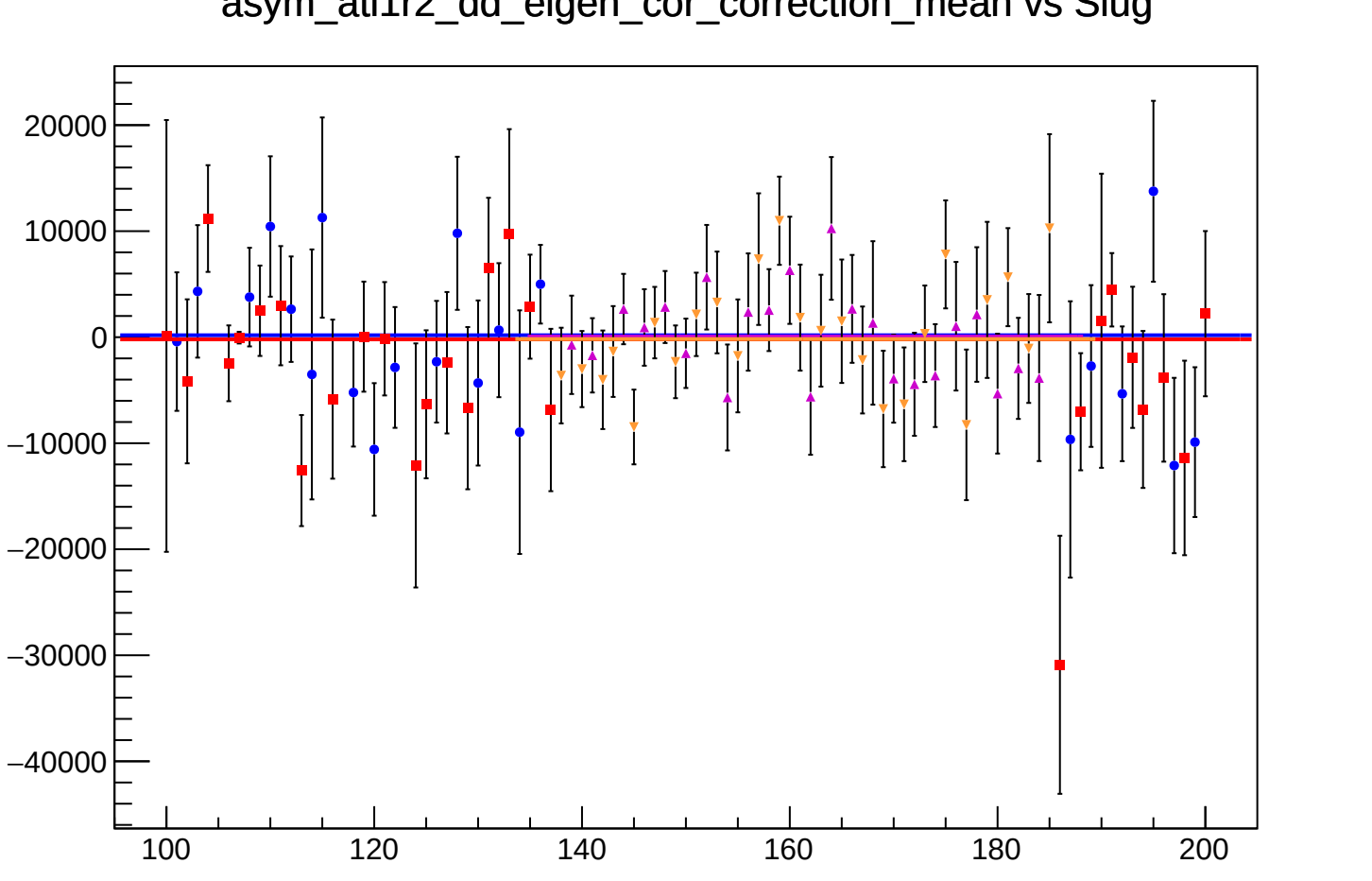
Right Out: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.1/46

All: 1758.298+/-0.158 χ^2/NDF: 1095744.4/97

- sign 1763.541+/-0.223 χ^2/NDF: 683206.4/50



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -205.623+/-498.521 χ^2/NDF: 31.0/27

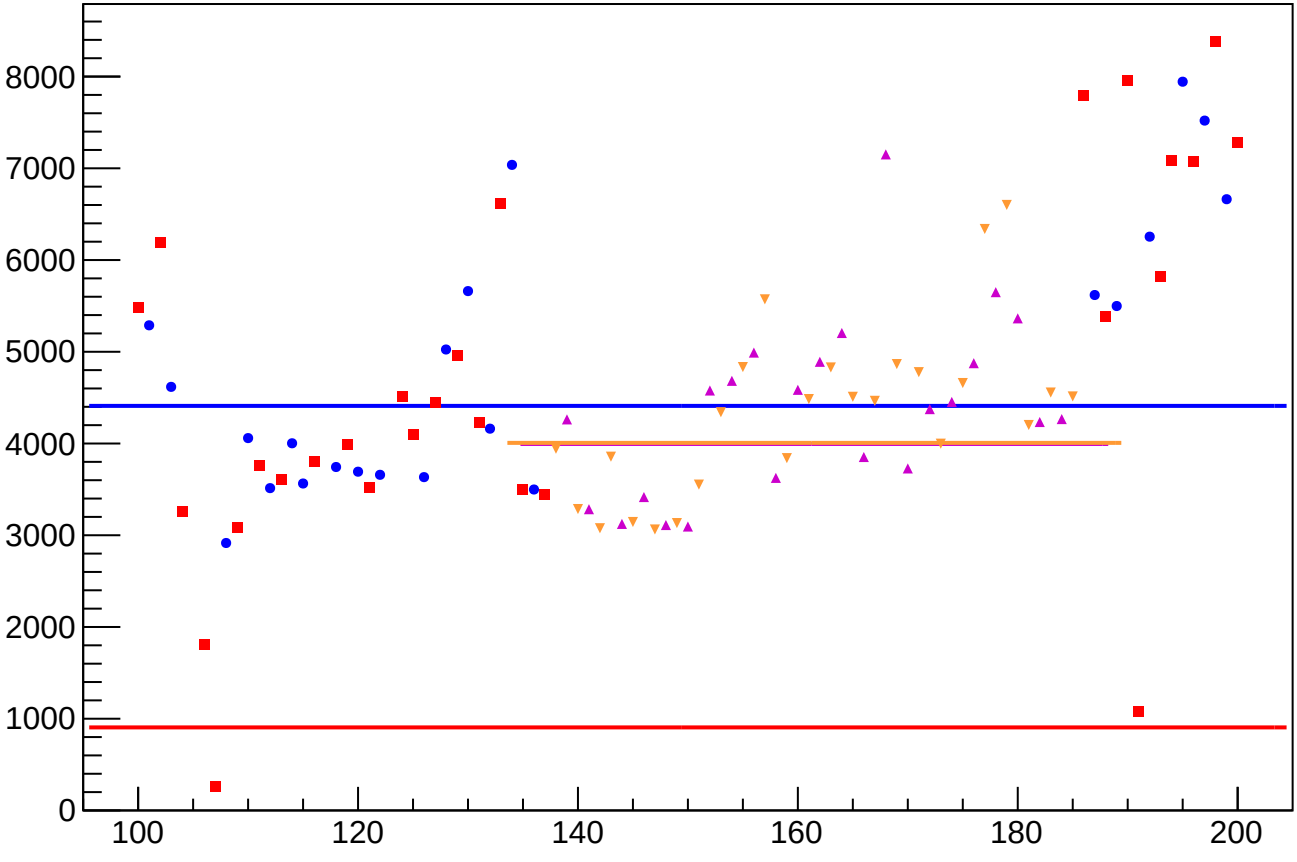
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -60.694+/-770.836 χ^2/NDF: 50.4/46

All: -127.631+/-383.482 χ^2/NDF: 95.7/97

- sign -149.646+/-442.069 χ^2/NDF: 45.3/50

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

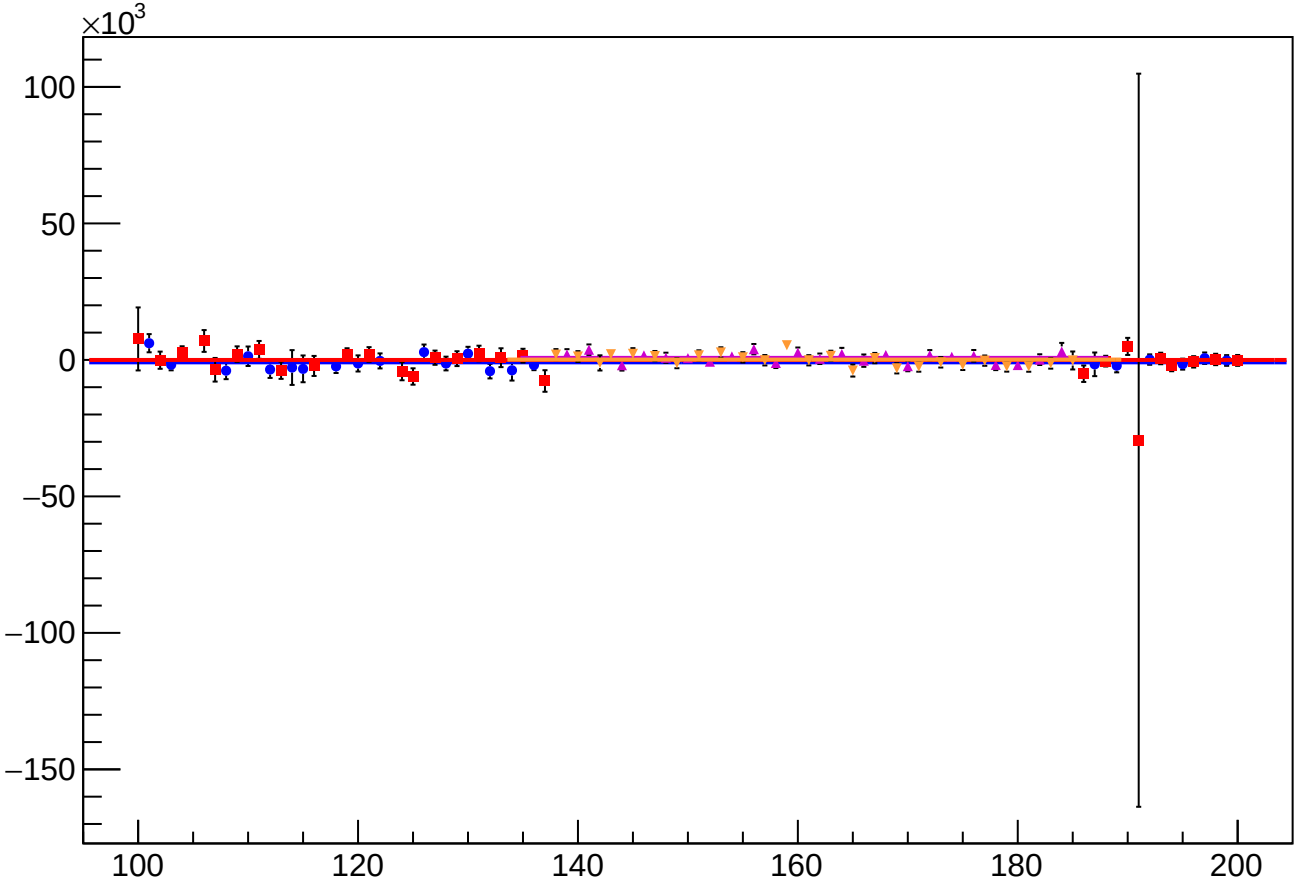
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4136.226+/-0.545 χ^2/NDF: 3439430.0/46

All: 2201.701+/-0.271 χ^2/NDF: 58031214.2/9

- sign 1565.447+/-0.313 χ^2/NDF: 37852171.7/50

dit_asym_atl1r2_dd_mean vs Slug



Right In: -893.226+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.574+/-518.915 χ^2/NDF: 28.0/27

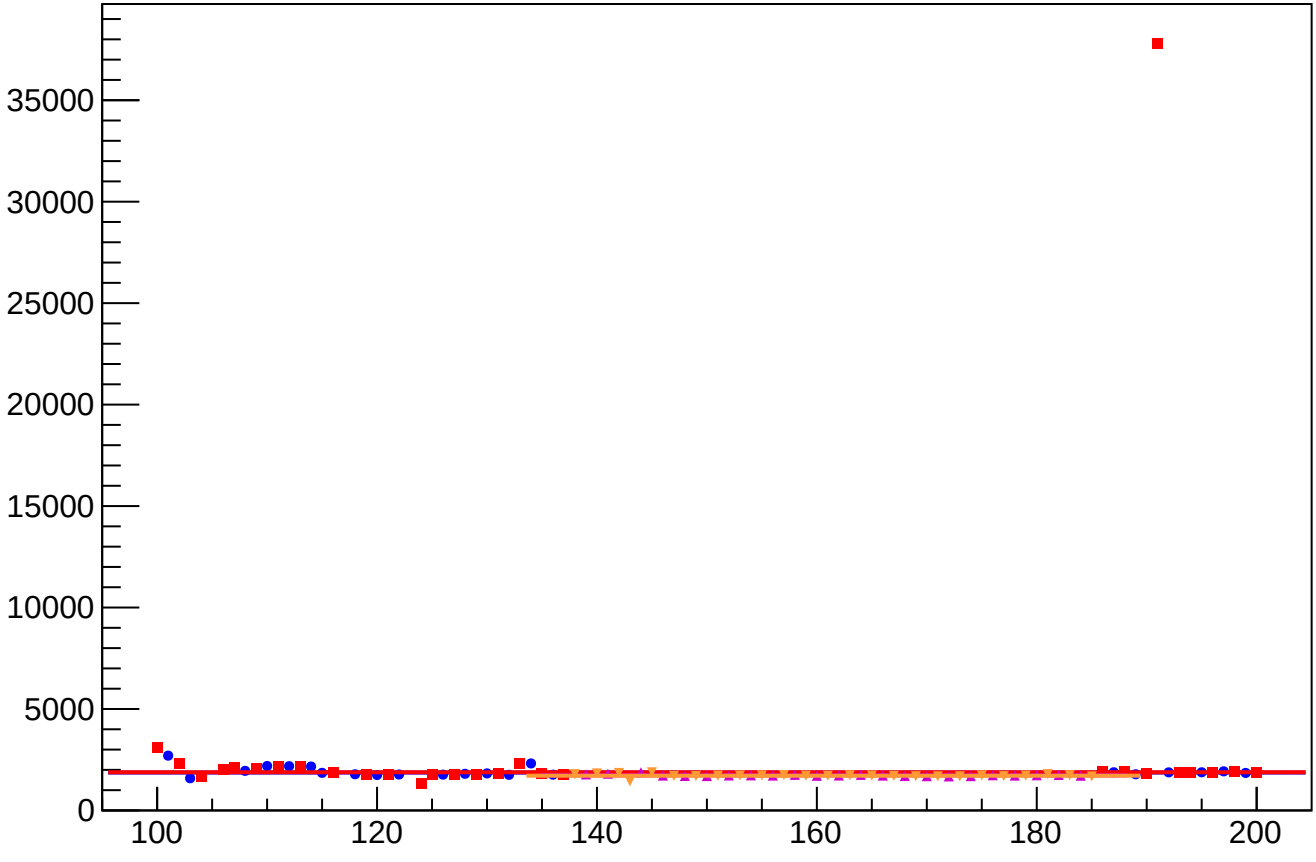
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -216.267+/-318.345 χ^2/NDF: 46.5/46

All: 118.299+/-225.285 χ^2/NDF: 97.0/97

- sign 453.945+/-318.858 χ^2/NDF: 48.3/50

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.9/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1881.735+/-0.367 χ^2/NDF: 409310.1/27

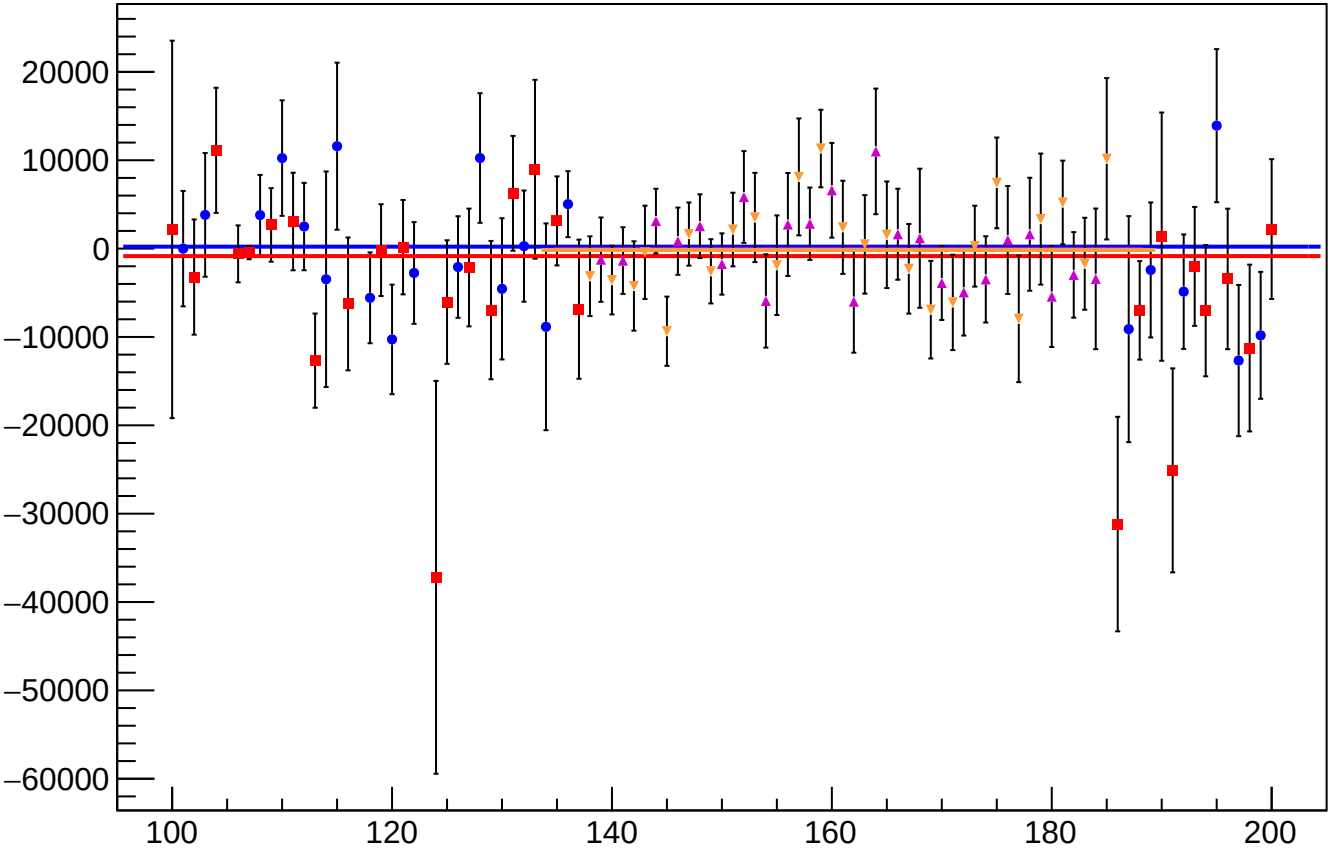
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1763.762+/-0.225 χ^2/NDF: 460217.5/46

All: 1775.632+/-0.159 χ^2/NDF: 1004191.0/97

- sign 1787.536+/-0.225 χ^2/NDF: 538404.4/50

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 219.660+/-1372.689 χ^2/NDF: 22.0/21

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -848.695+/-640.080 χ^2/NDF: 31.3/27

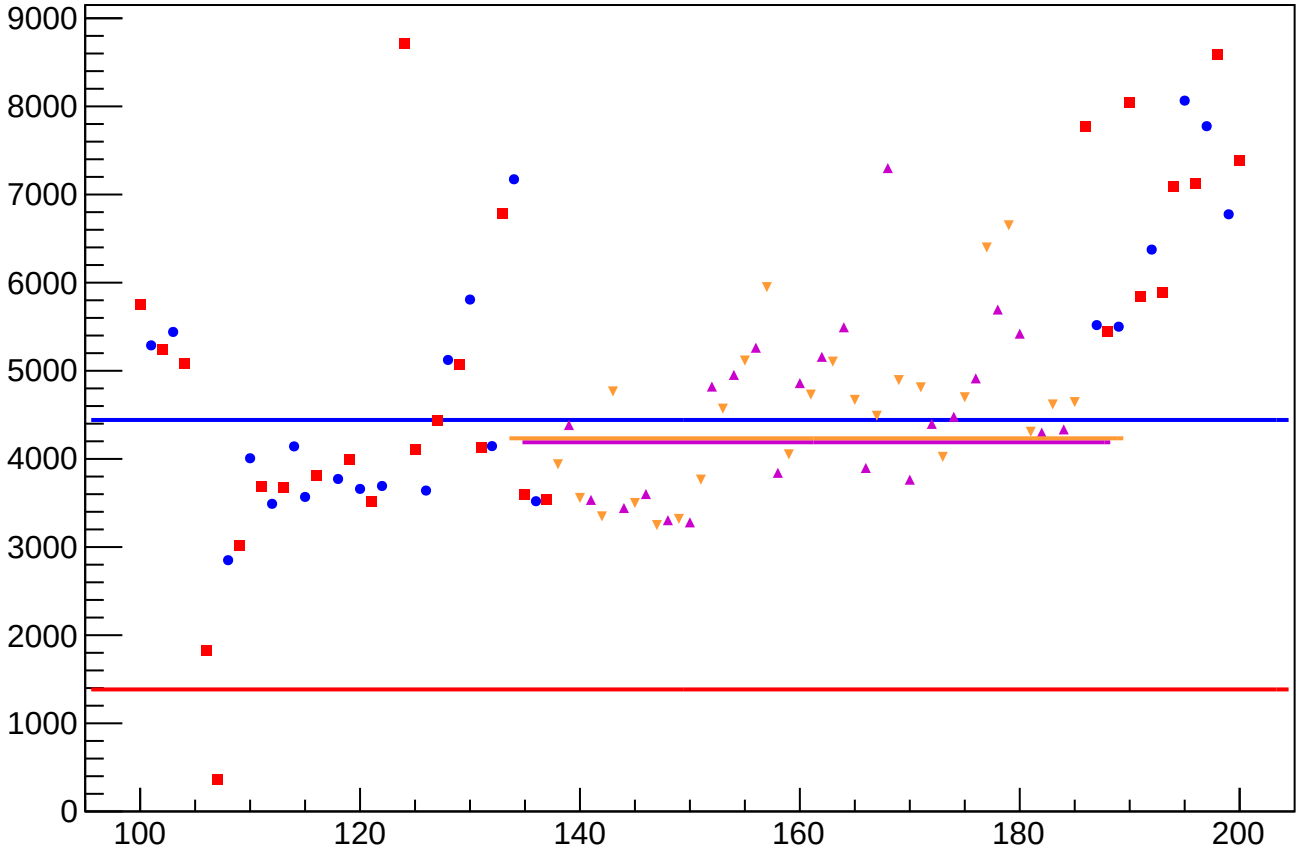
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -24.469+/-800.274 χ^2/NDF: 48.9/46

All: -434.796+/-447.123 χ^2/NDF: 95.1/97

- sign -621.013+/-539.118 χ^2/NDF: 45.8/50

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4442.057+/-0.971 χ^2/NDF: 1964426.4/21

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1384.492+/-0.453 χ^2/NDF: 17795097.0/27

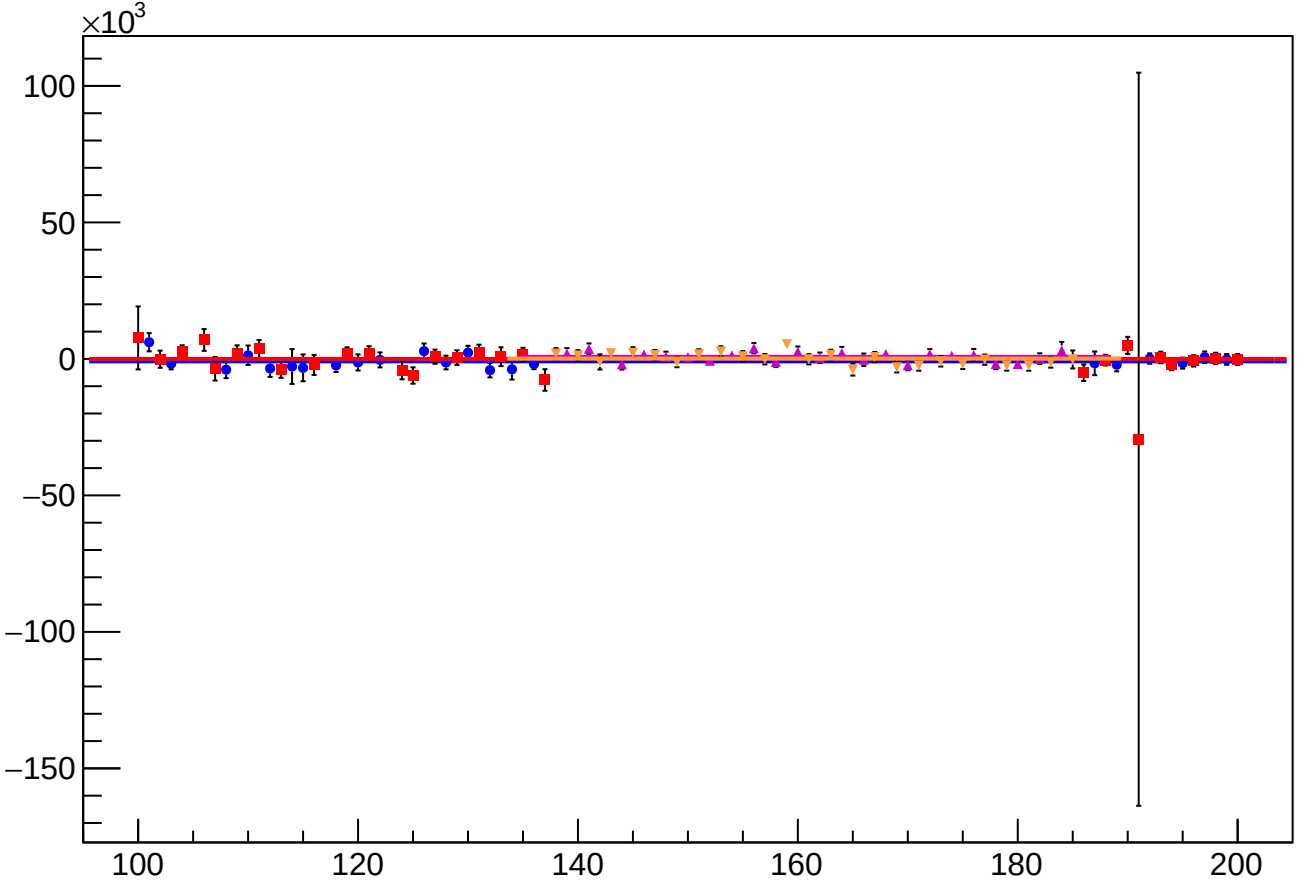
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4304.653+/-0.566 χ^2/NDF: 3279566.9/46

All: 2856.581+/-0.316 χ^2/NDF: 43095532.3/9

- sign 2199.407+/-0.381 χ^2/NDF: 30295775.6/50

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -893.229+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.571+/-518.915 χ^2/NDF: 28.0/27

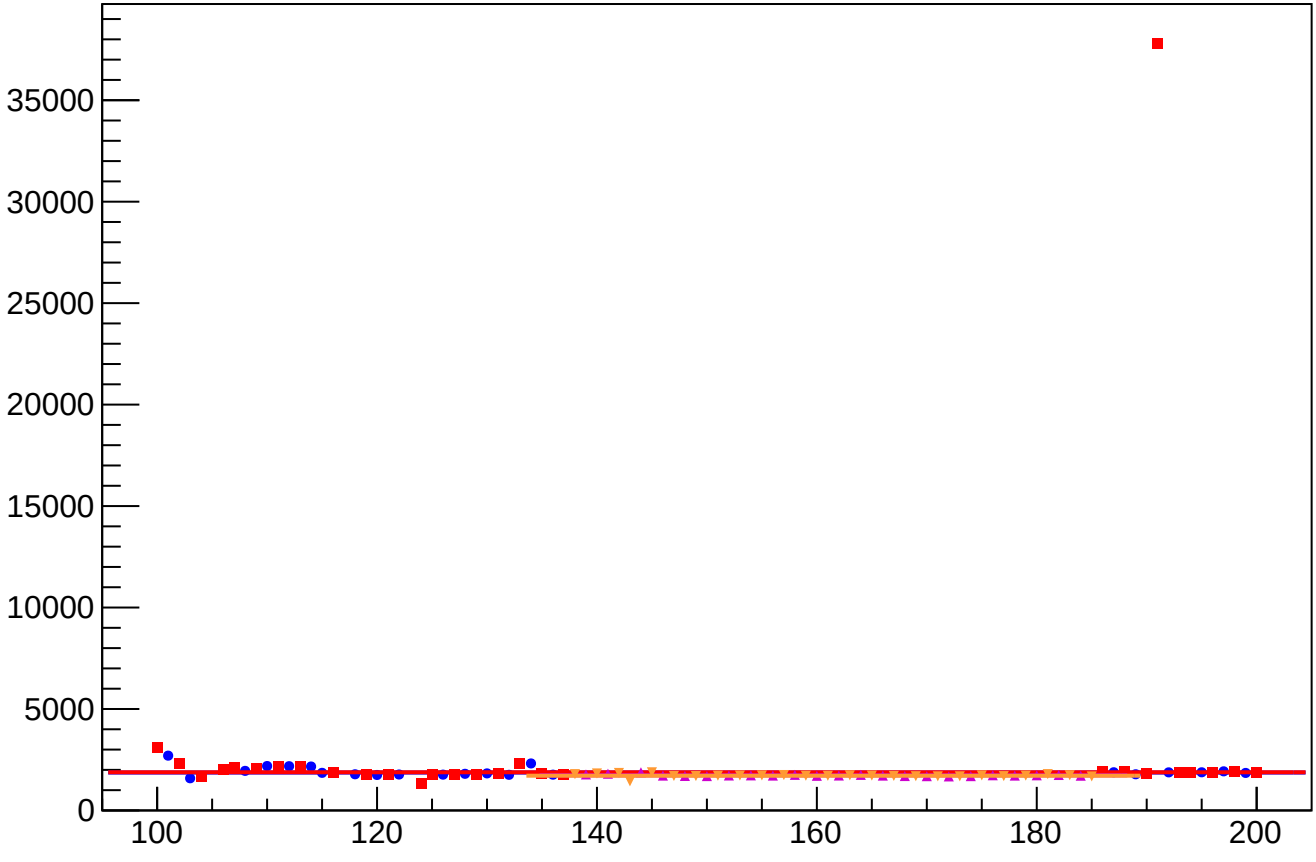
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -216.267+/-318.345 χ^2/NDF: 46.5/46

All: 118.299+/-225.285 χ^2/NDF: 97.0/97

- sign 453.945+/-318.858 χ^2/NDF: 48.3/50

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.8/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

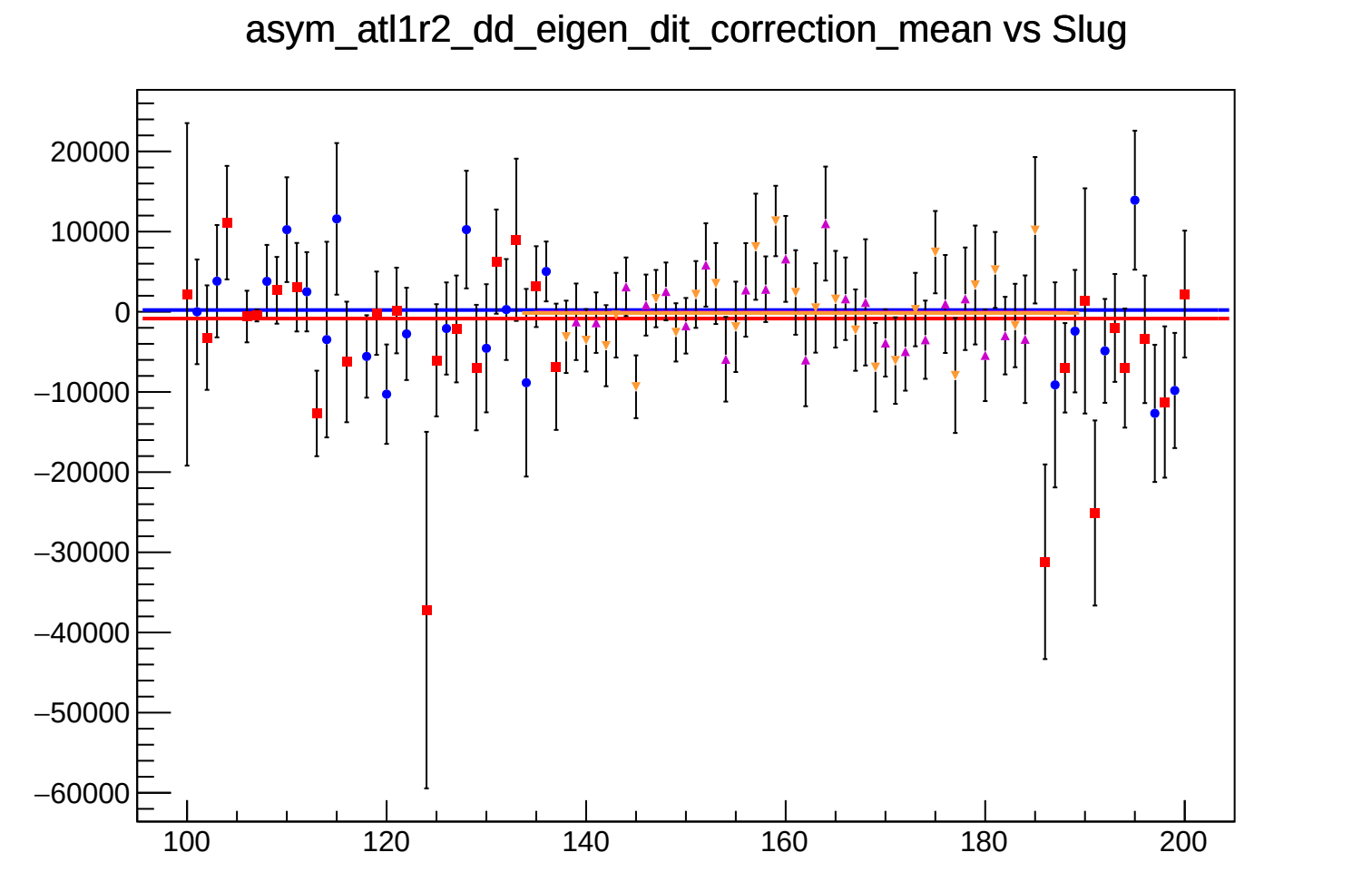
Right Out: 1881.735+/-0.367 χ^2/NDF: 409310.5/27

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1763.763+/-0.225 χ^2/NDF: 460215.5/46

All: 1775.633+/-0.159 χ^2/NDF: 1004188.7/97

- sign 1787.537+/-0.225 χ^2/NDF: 538404.1/50



Right In: 219.647+/-1372.687 χ^2/NDF: 22.0/21

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

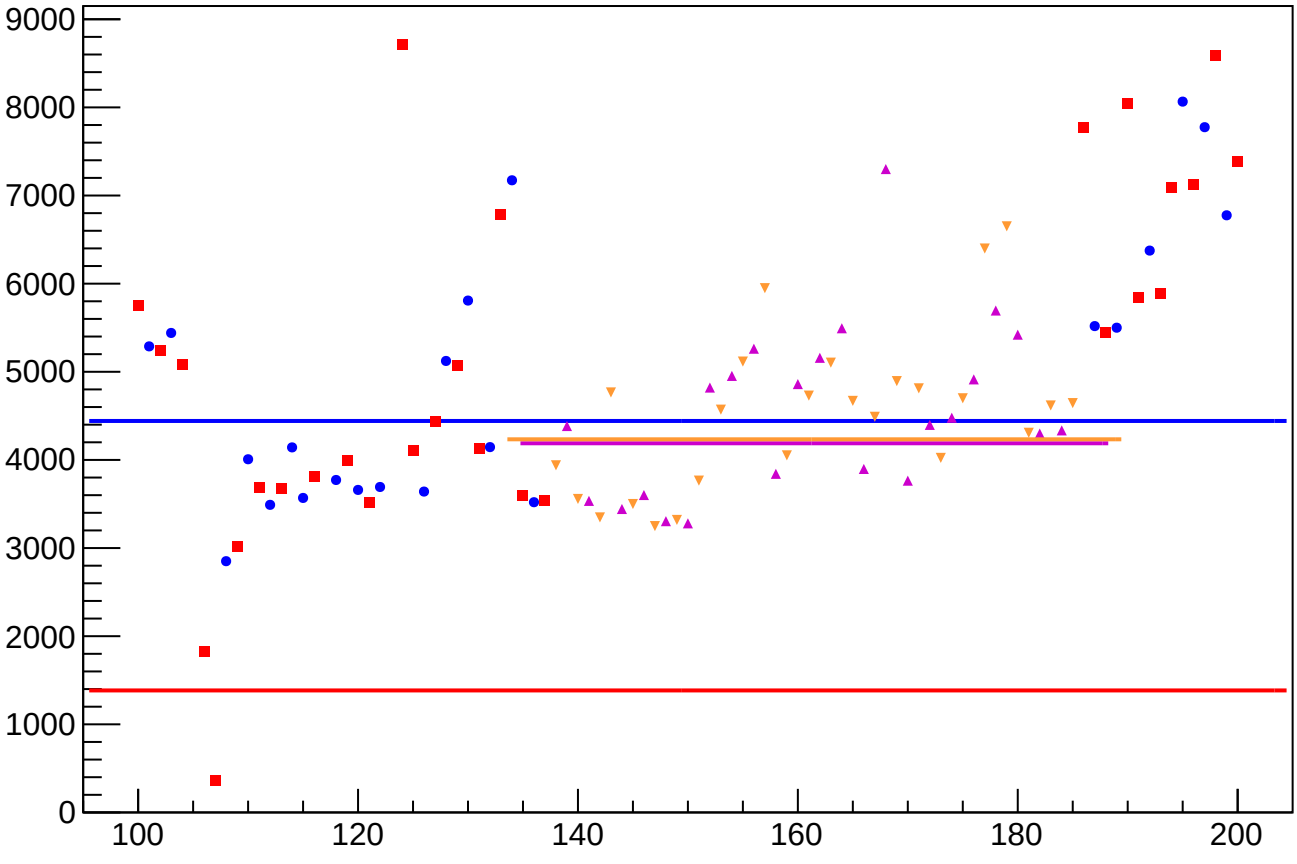
Right Out: -848.713+/-640.090 χ^2/NDF: 31.3/27

Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -24.473+/-800.274 χ^2/NDF: 48.9/46

All: -434.800+/-447.127 χ^2/NDF: 95.1/97

- sign -621.022+/-539.124 χ^2/NDF: 45.8/50



Right In: 4442.051+/-0.971 χ^2/NDF: 1964434.8/21

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1384.530+/-0.453 χ^2/NDF: 17794868.7/27

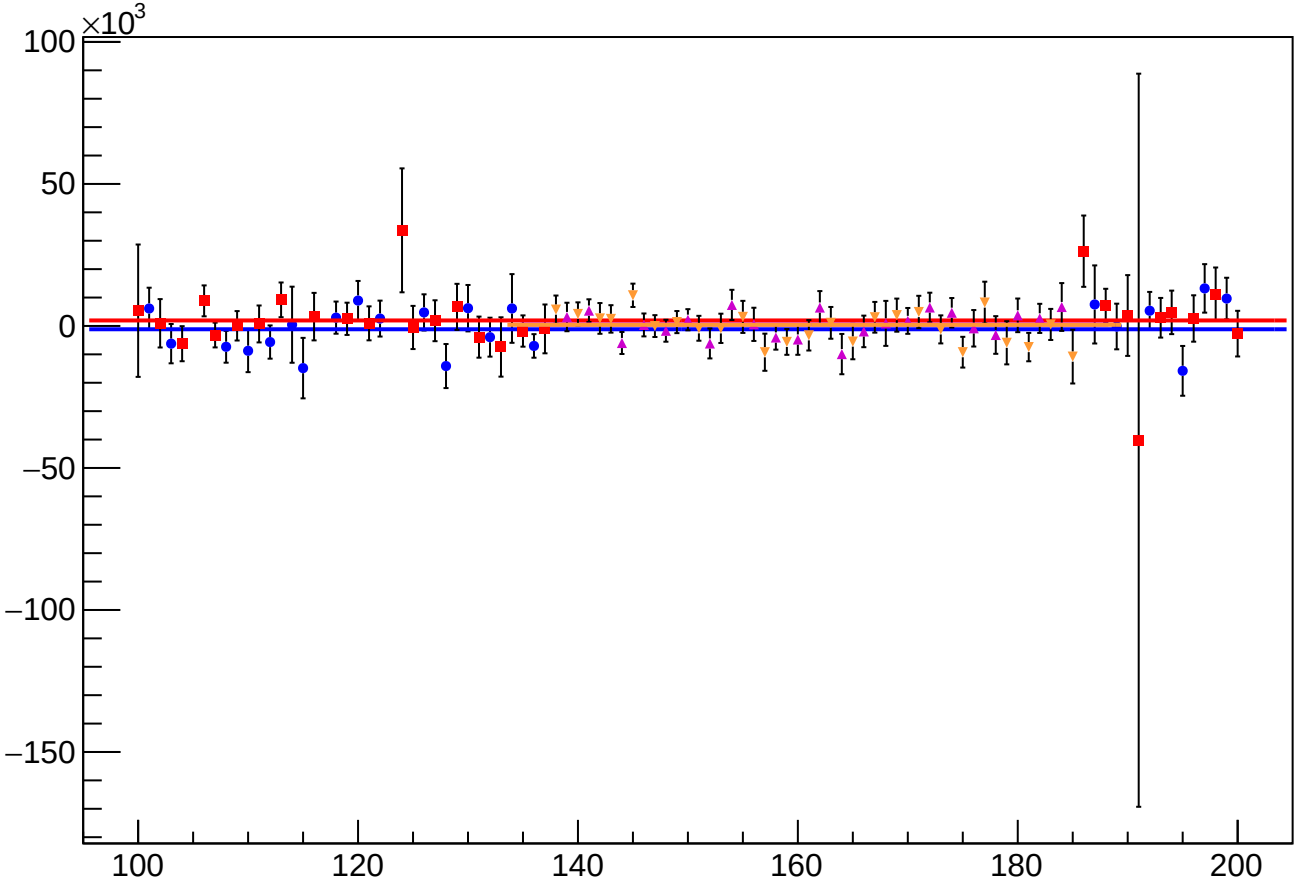
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4304.655+/-0.566 χ^2/NDF: 3279574.3/46

All: 2856.622+/-0.316 χ^2/NDF: 43094467.4/9

- sign 2199.452+/-0.381 χ^2/NDF: 30295169.4/50

asym_atl1r2_dd_mean vs Slug



Right In: -1167.207+/-1505.477 χ^2/NDF: 25.2/21

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1937.966+/-1364.008 χ^2/NDF: 17.2/27

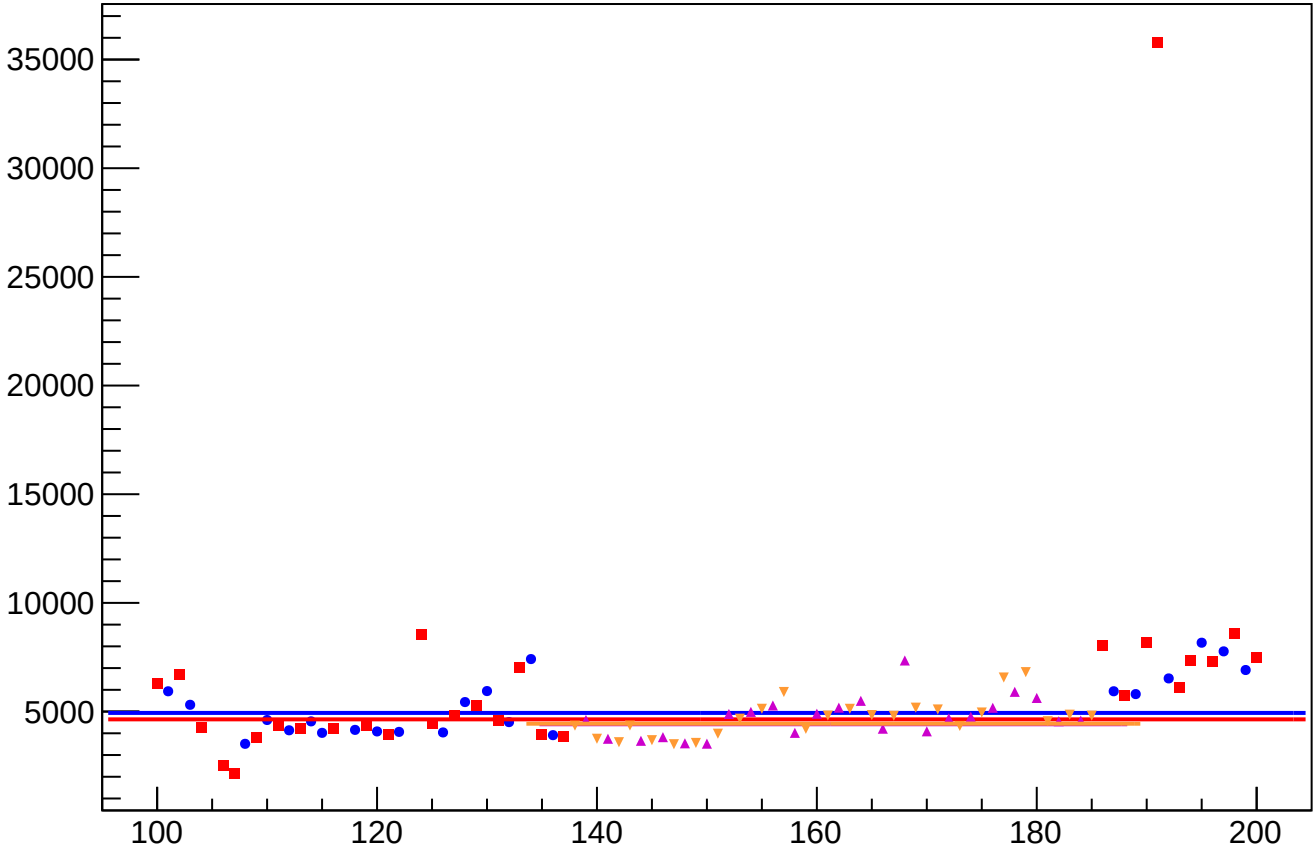
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -99.788+/-849.200 χ^2/NDF: 50.7/46

All: 480.184+/-594.254 χ^2/NDF: 86.8/97

- sign 1036.728+/-831.872 χ^2/NDF: 35.2/50

asym_atl1r2_dd_rms vs Slug



Right In: 4937.203+/-1.065 χ^2/NDF: 1412974.5/21

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4640.940+/-0.957 χ^2/NDF: 3131284.4/27

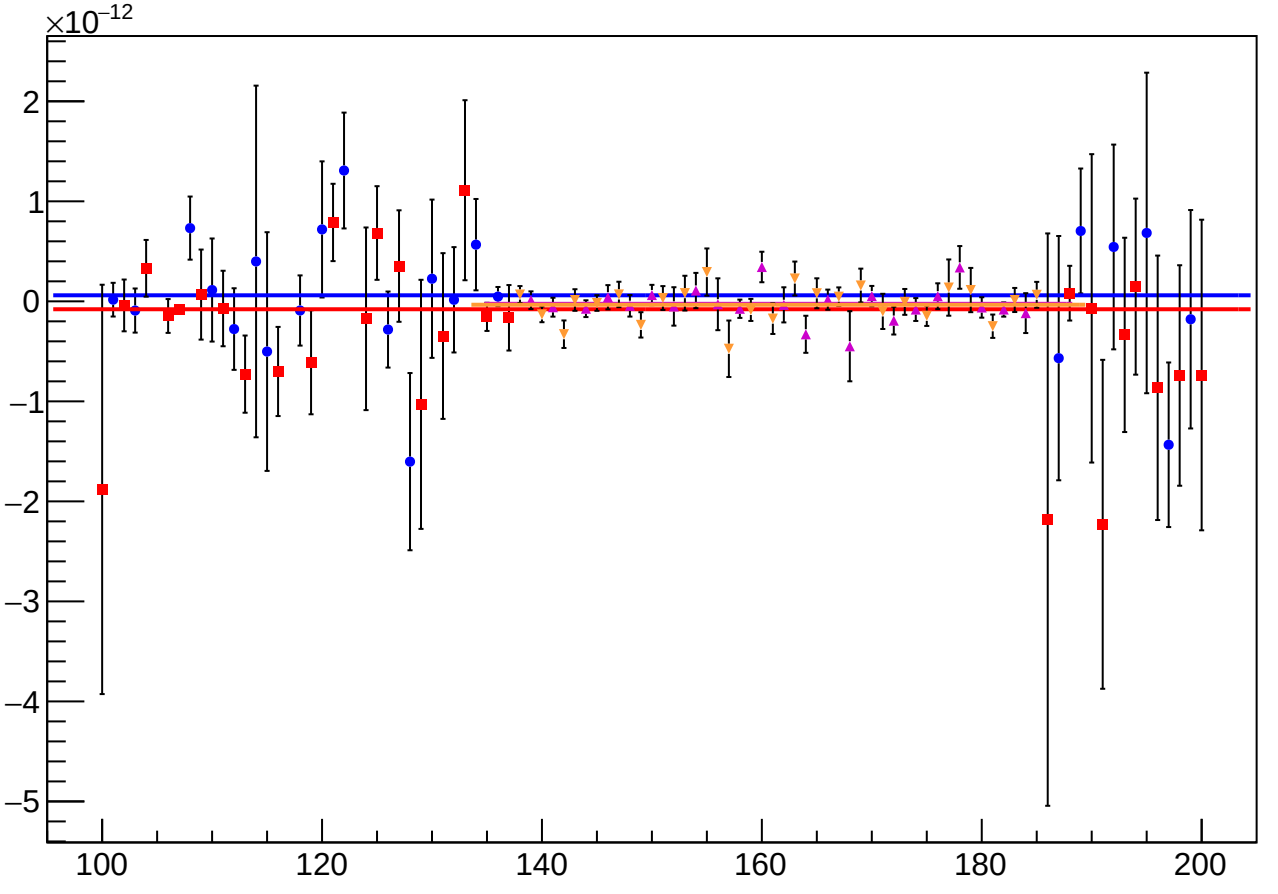
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4598.752+/-0.600 χ^2/NDF: 2634346.3/46

All: 4548.260+/-0.420 χ^2/NDF: 6925547.5/97

- sign 4500.087+/-0.587 χ^2/NDF: 4277384.7/50

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

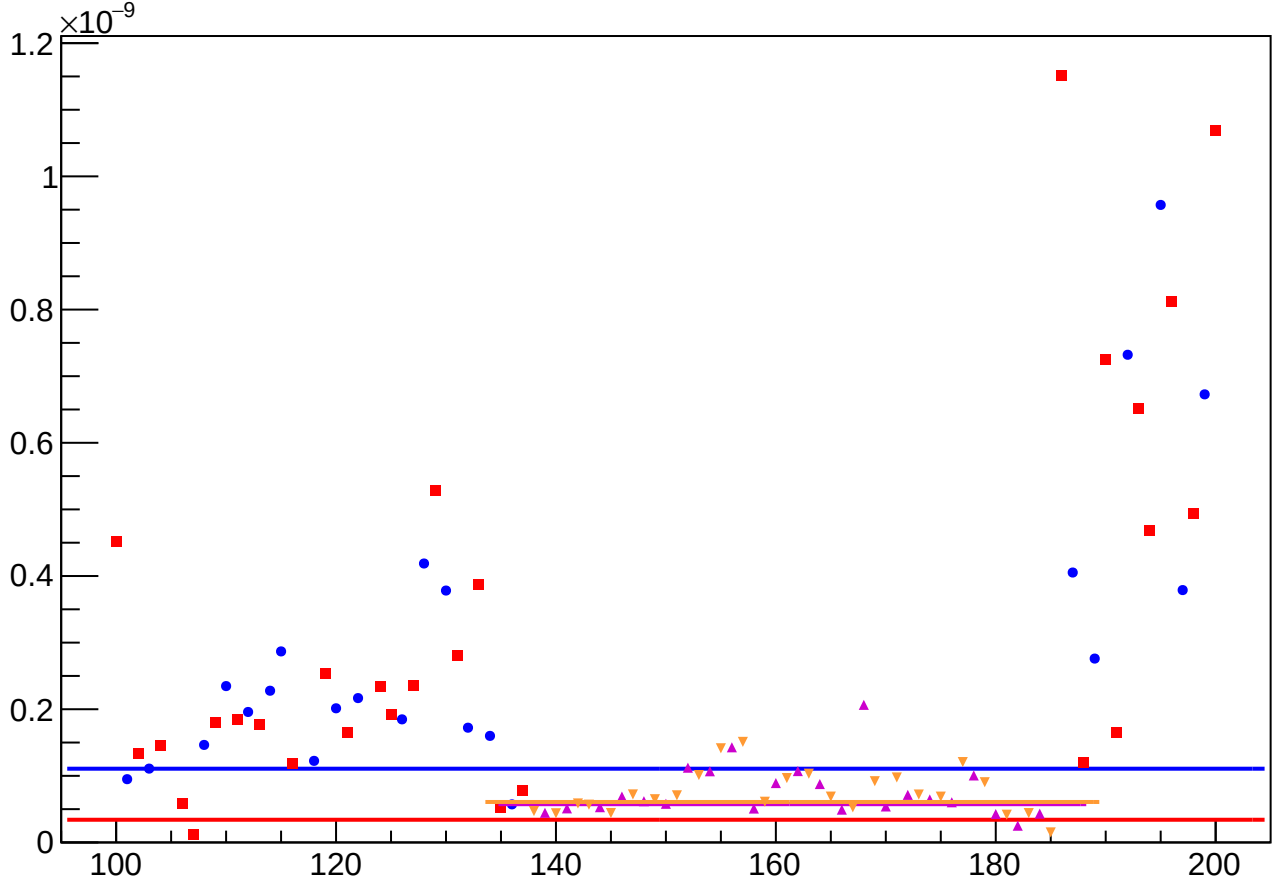
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/46

All: -0.000+/-0.000 χ^2/NDF: 97.9/97

- sign -0.000+/-0.000 χ^2/NDF: 44.7/50

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3910733.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8540733.3/27

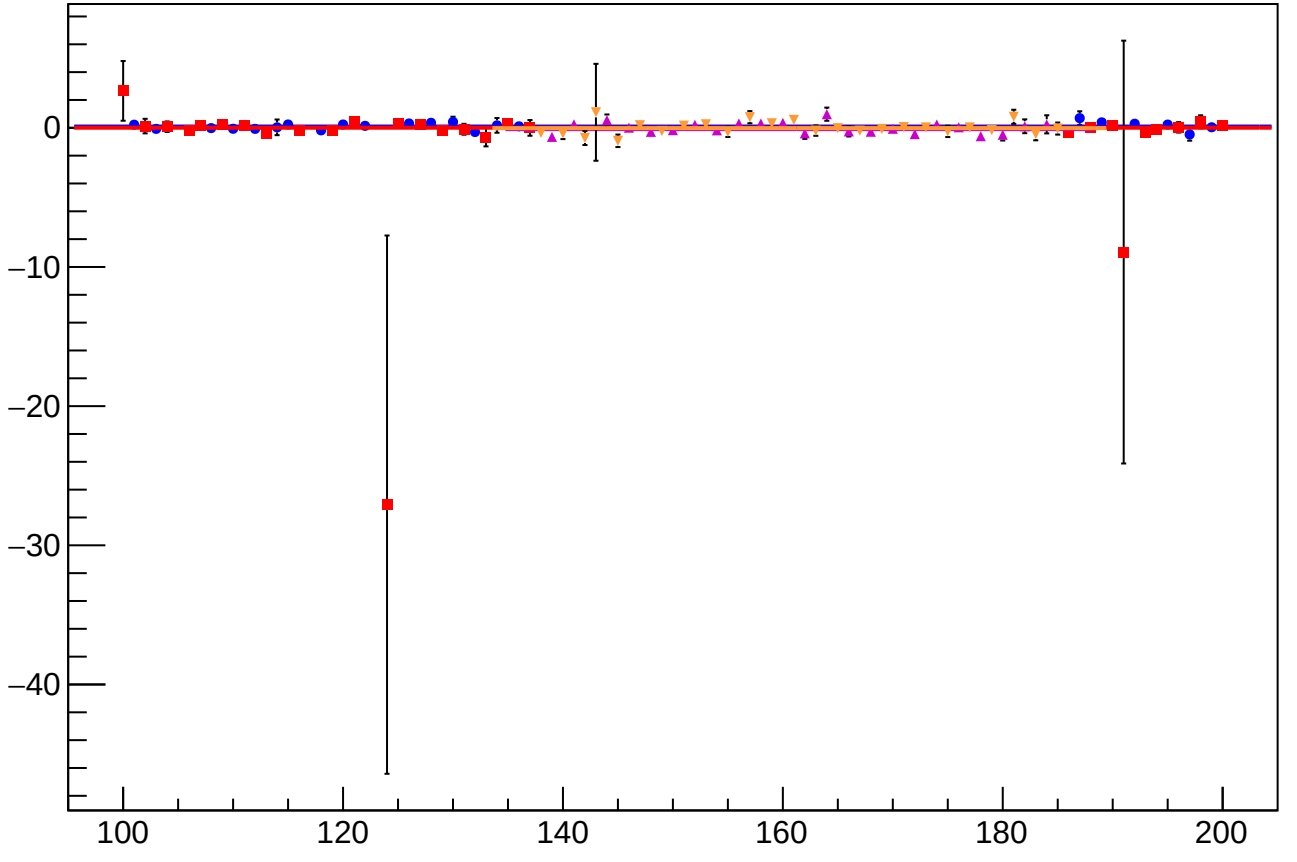
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6612458.1/46

All: 0.000+/-0.000 χ^2/NDF: 18351027.0/97

- sign 0.000+/-0.000 χ^2/NDF: 11066217.6/50

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.050 χ^2/NDF: 27.7/27

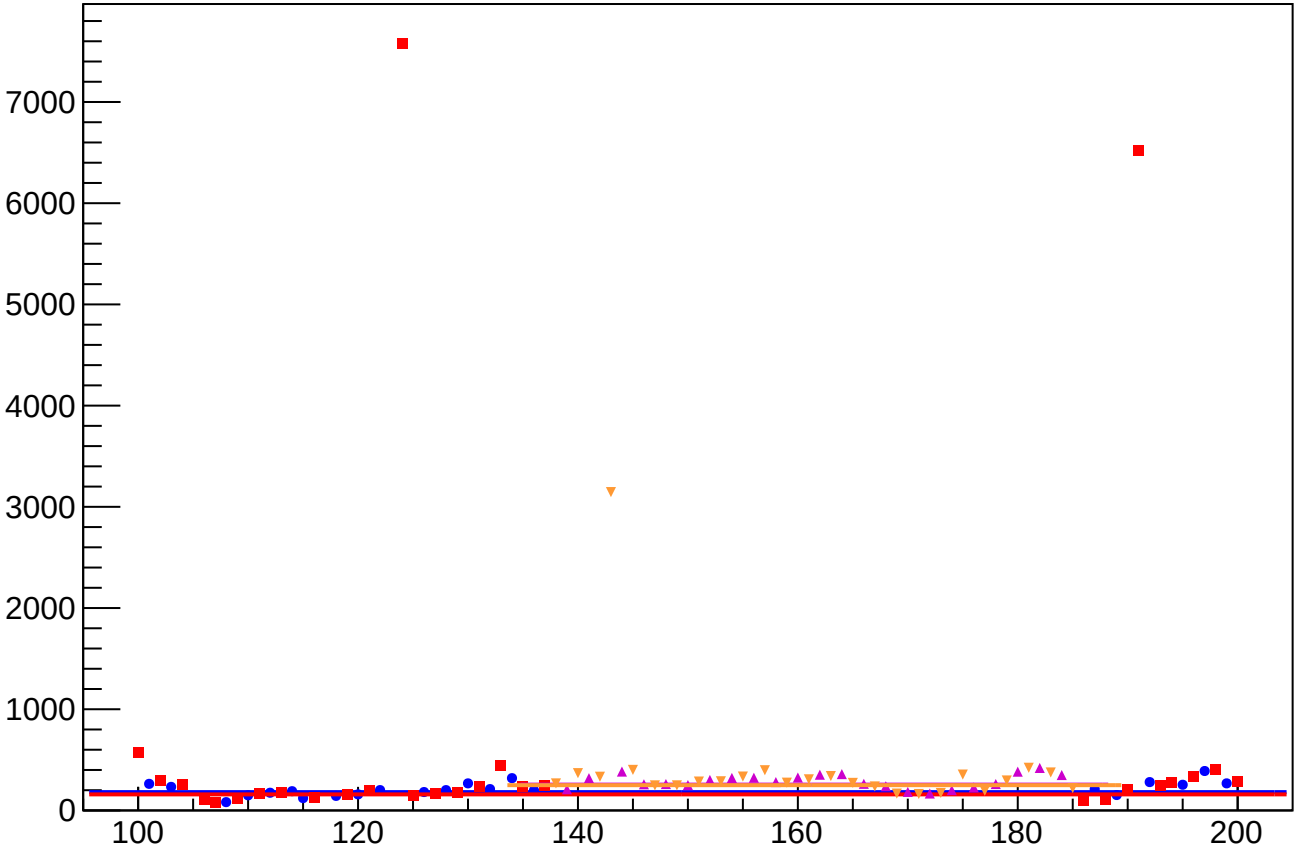
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.001+/-0.029 χ^2/NDF: 101.4/97

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

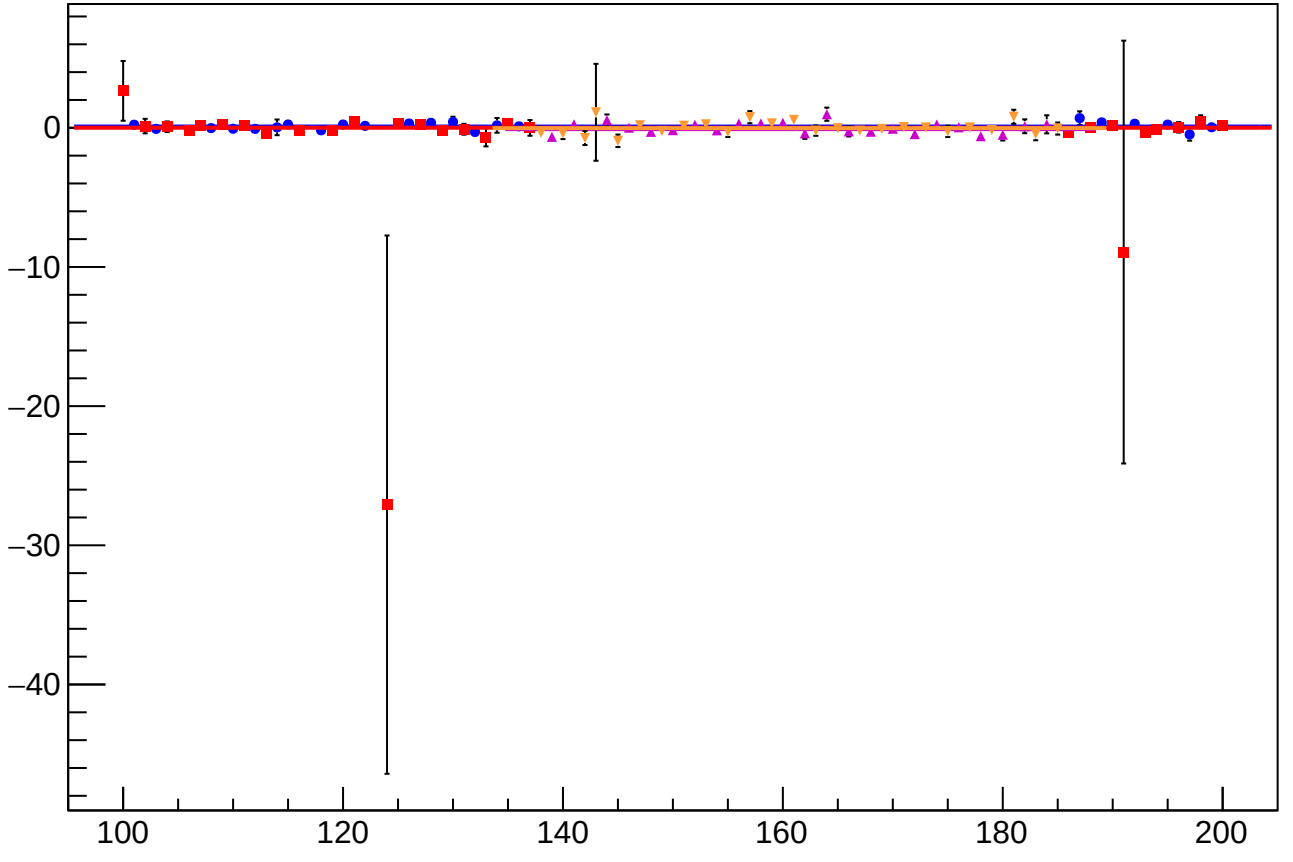
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 213.619+/-0.030 χ^2/NDF: 8165129.1/46

All: 204.160+/-0.020 χ^2/NDF: 18115556.3/97

- sign 196.085+/-0.028 χ^2/NDF: 9765625.3/50

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.050 χ^2/NDF: 27.7/27

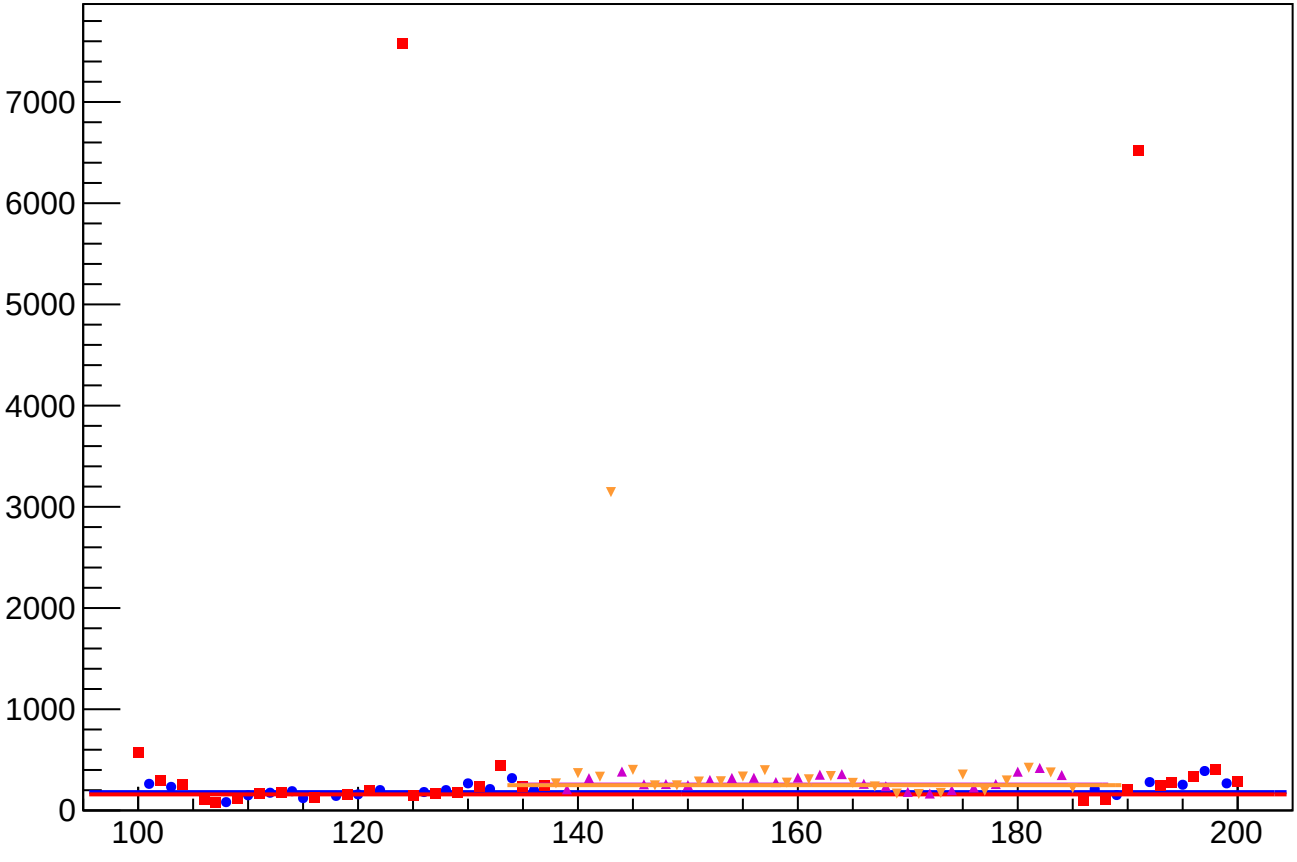
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.001+/-0.029 χ^2/NDF: 101.4/97

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

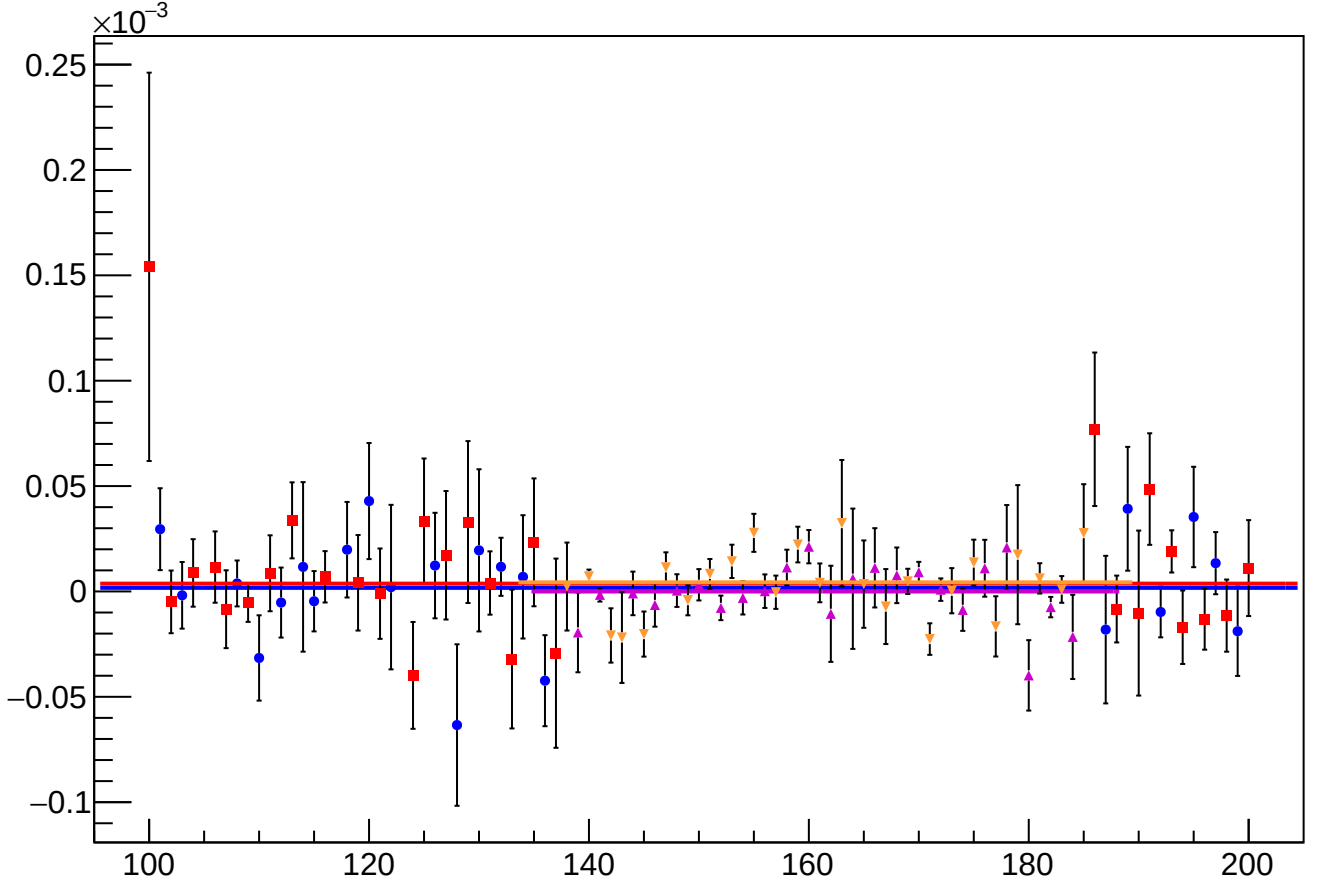
Right Out: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 213.619+/-0.030 χ^2/NDF: 8165129.1/46

All: 204.160+/-0.020 χ^2/NDF: 18115556.3/97

- sign 196.085+/-0.028 χ^2/NDF: 9765625.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/27

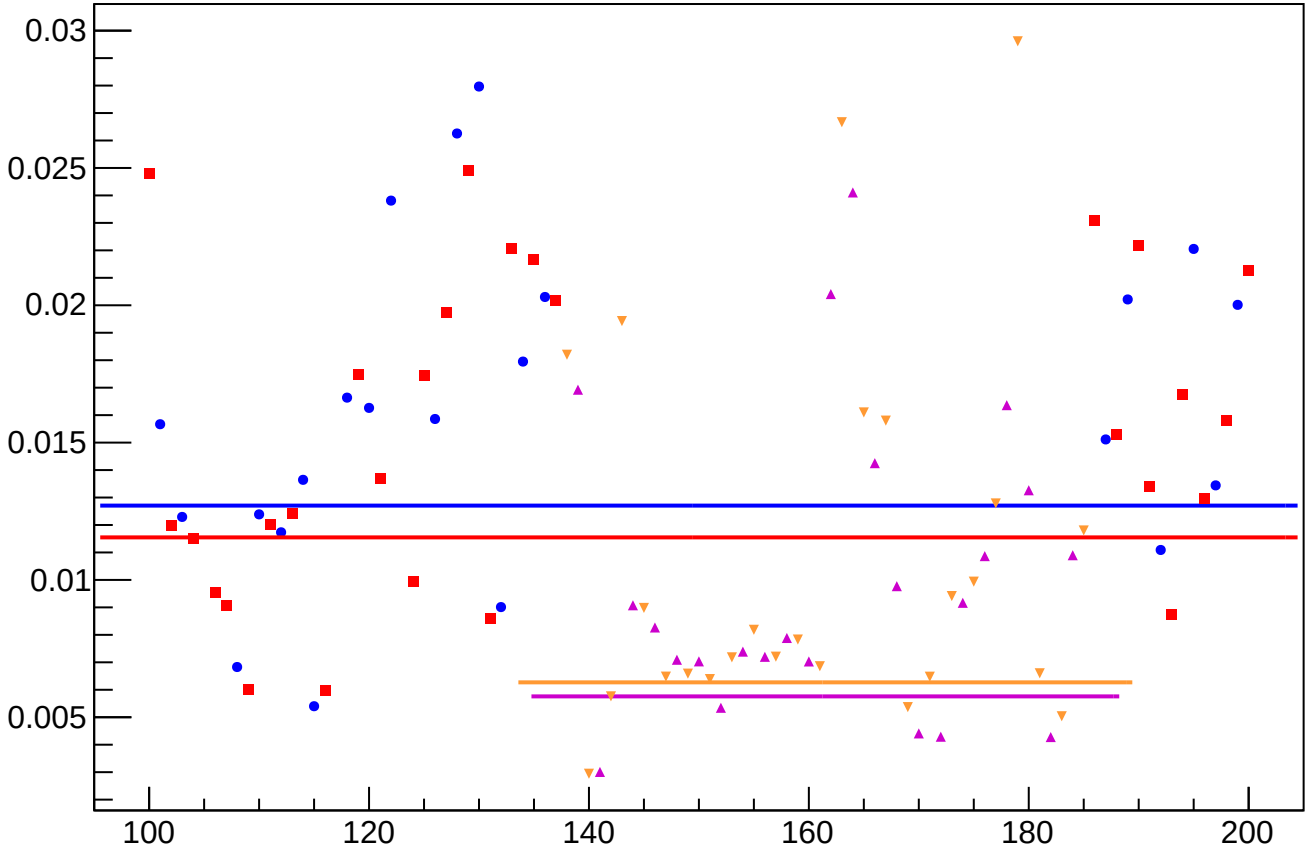
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/46

All: 0.000+/-0.000 χ^2/NDF: 129.7/97

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3193910.3/21

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3805220.3/27

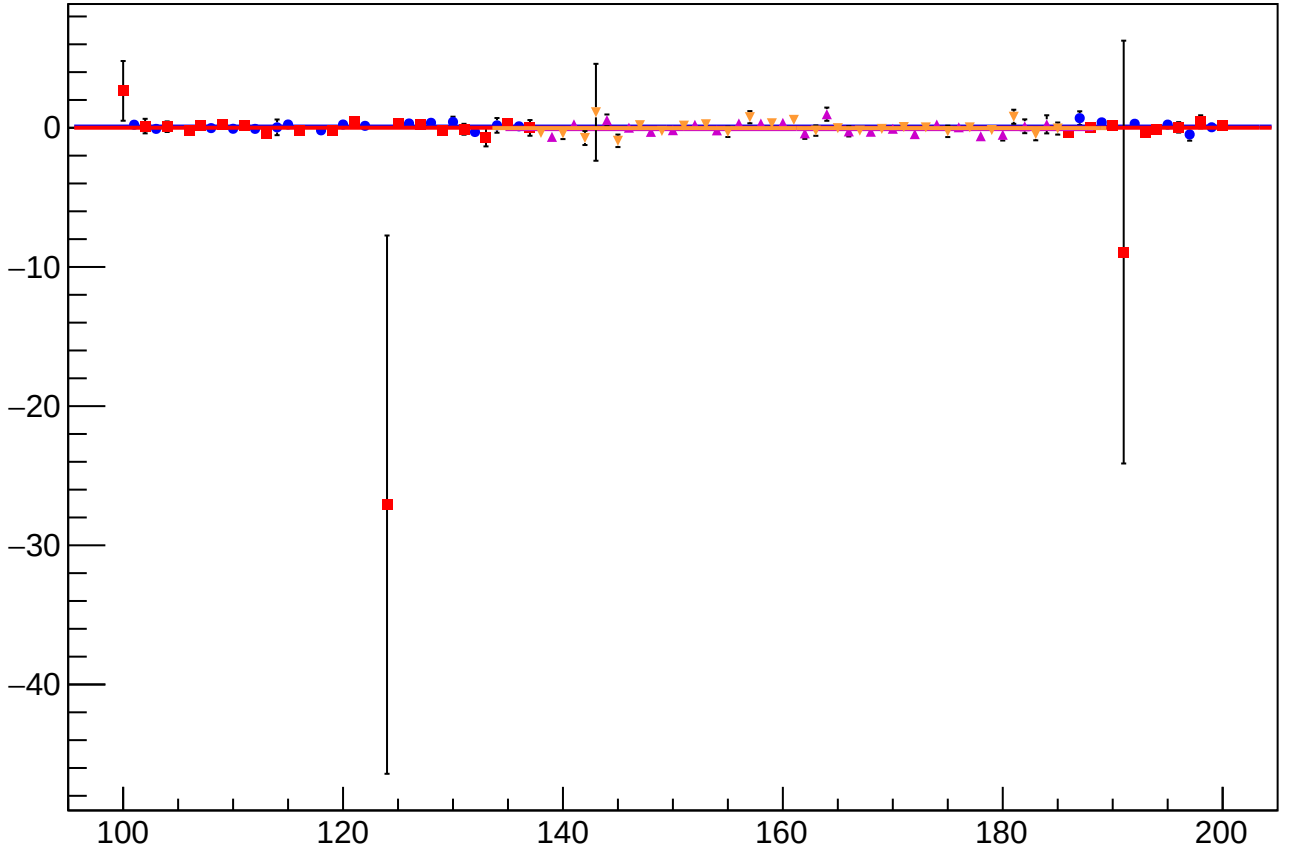
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 15348422.8/46

All: 0.007+/-0.000 χ^2/NDF: 31041108.2/97

- sign 0.007+/-0.000 χ^2/NDF: 15624612.7/50

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.050 χ^2/NDF: 27.7/27

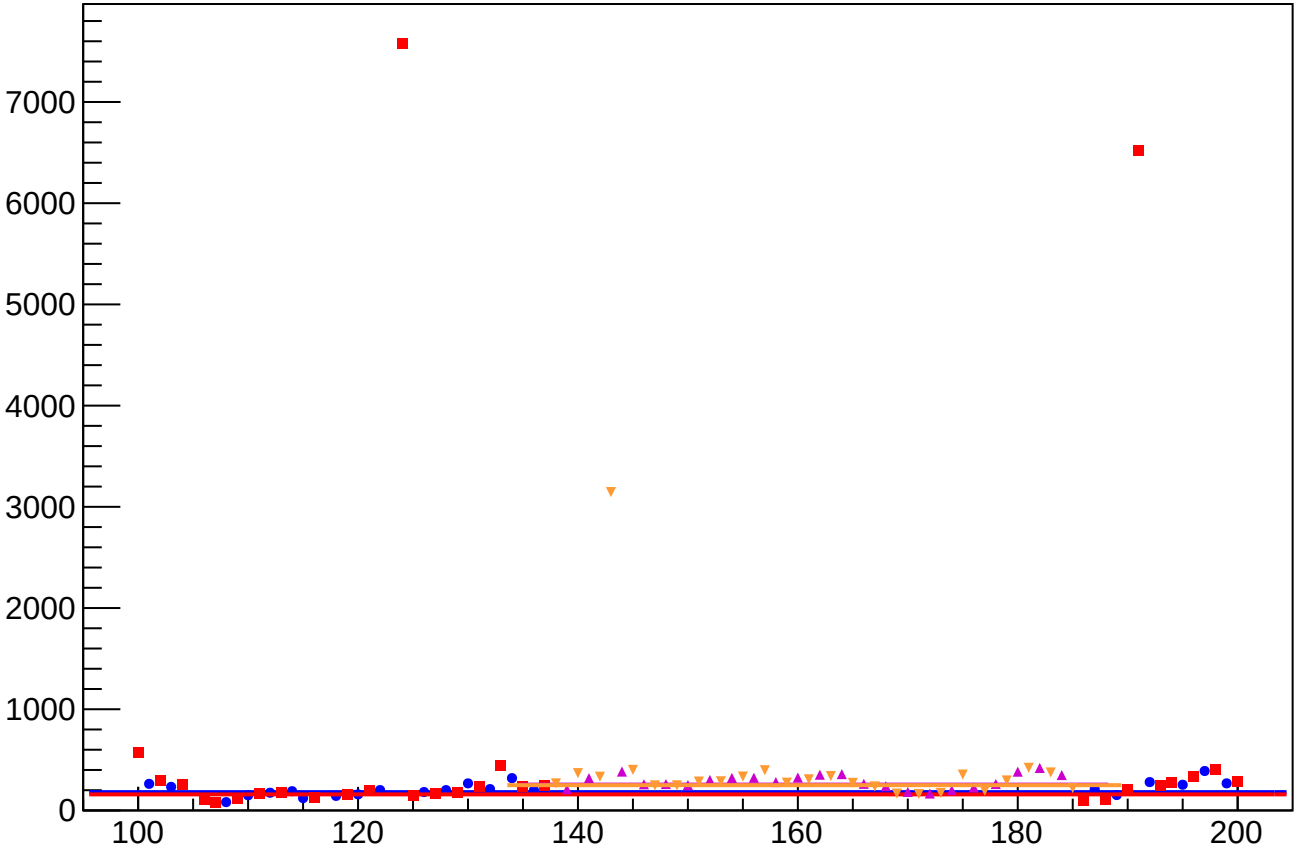
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.001+/-0.029 χ^2/NDF: 101.4/97

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

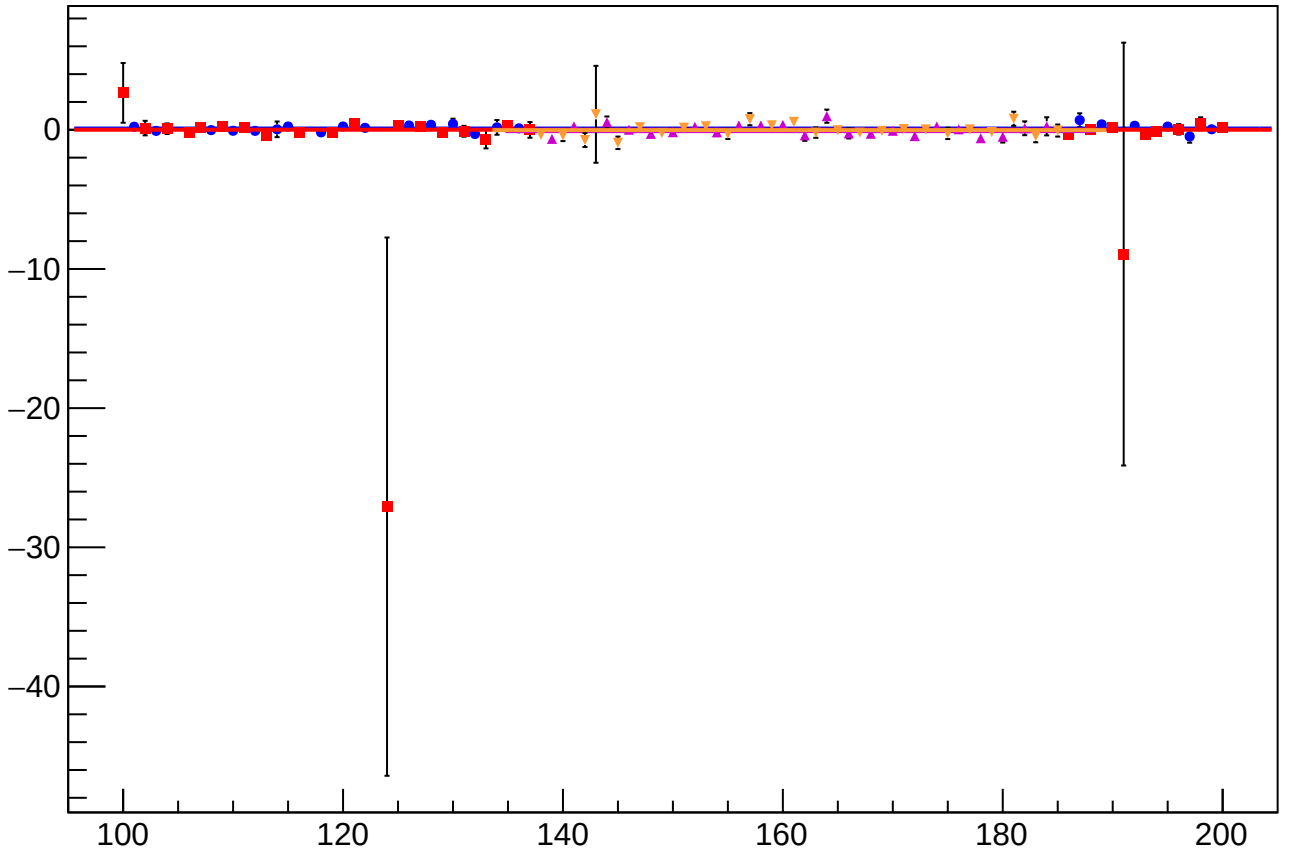
Right Out: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 213.618+/-0.030 χ^2/NDF: 8165403.3/46

All: 204.161+/-0.020 χ^2/NDF: 18115618.5/97

- sign 196.087+/-0.028 χ^2/NDF: 9765483.0/50



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

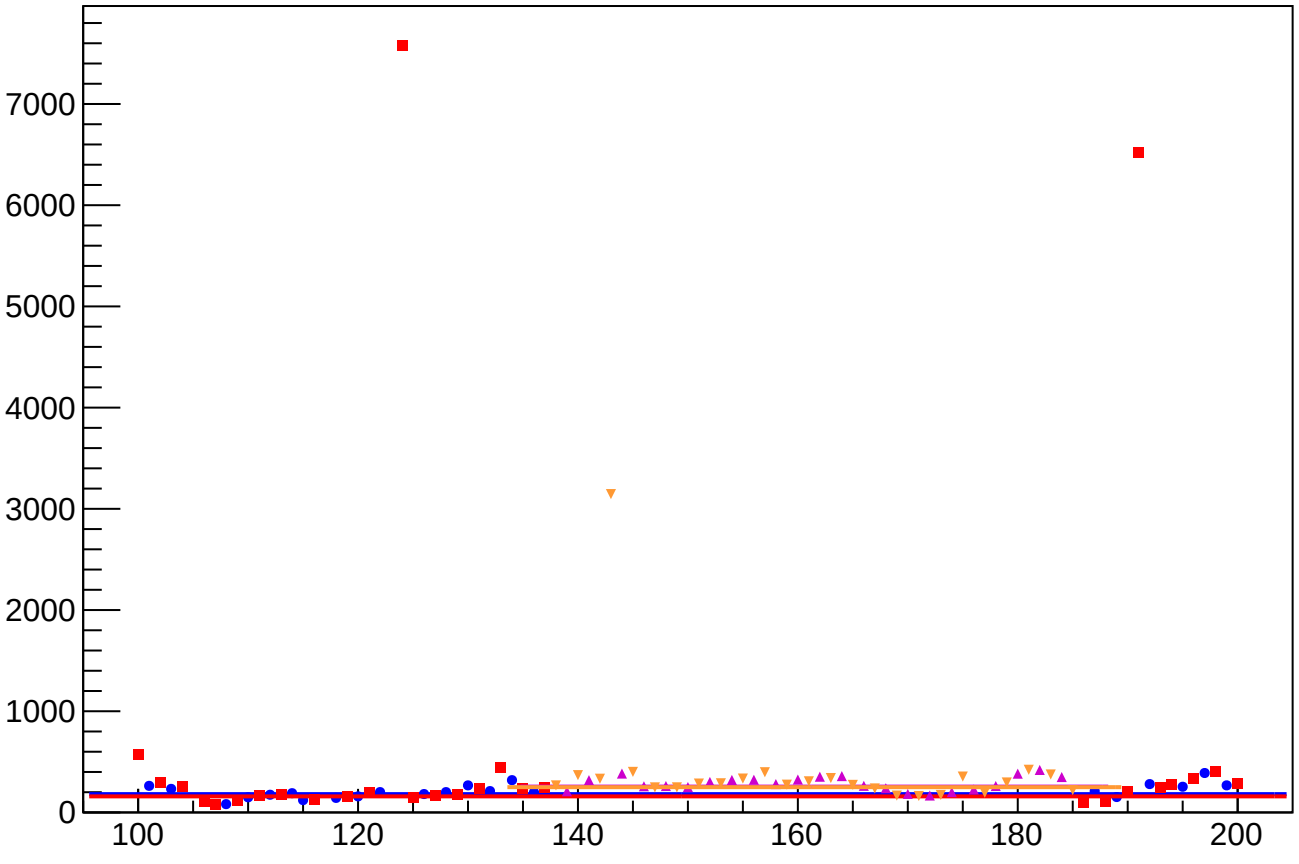
Right Out: 0.006+/-0.050 χ^2/NDF: 27.7/27

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.001+/-0.029 χ^2/NDF: 101.4/97

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

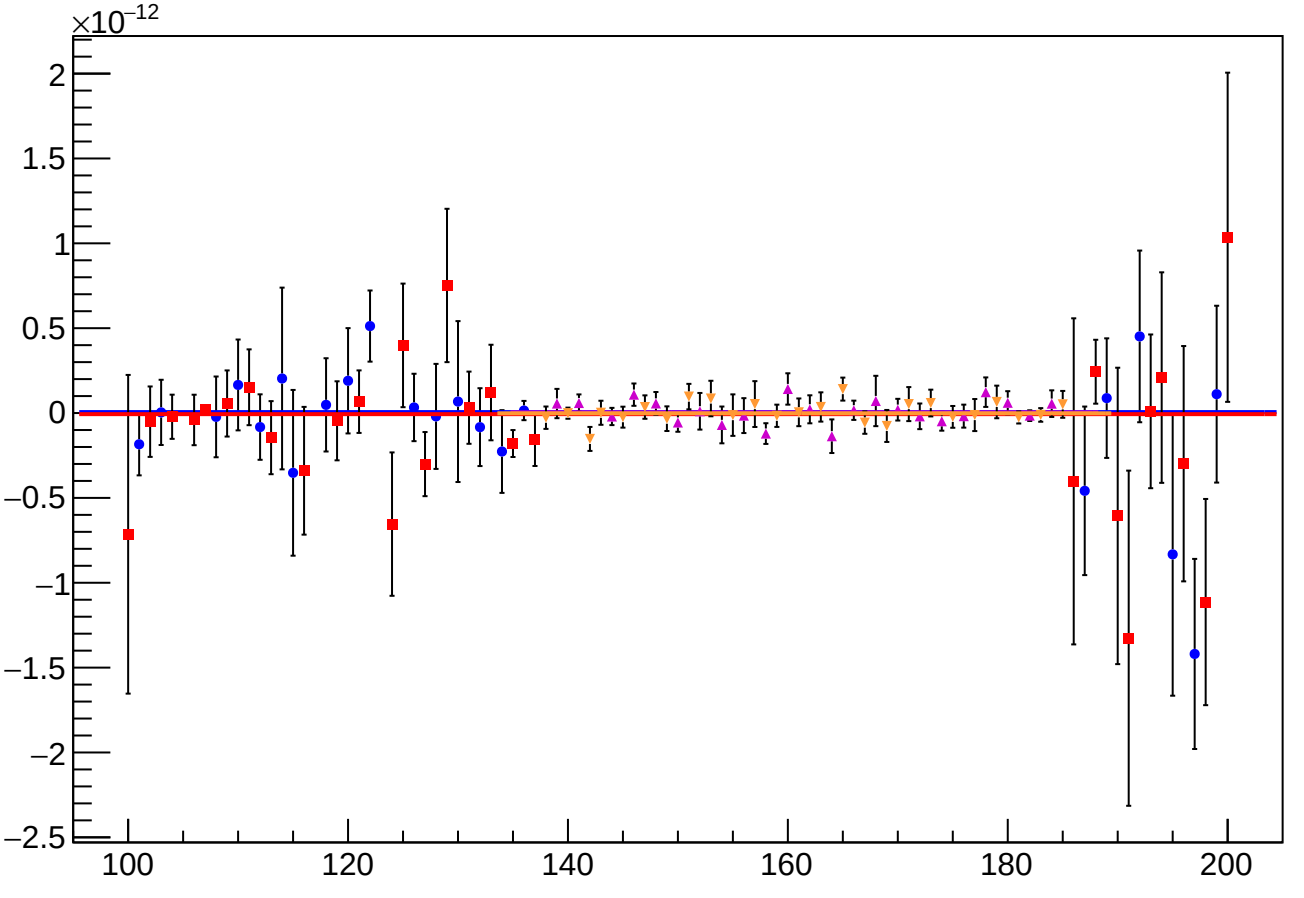
Right Out: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 213.618+/-0.030 χ^2/NDF: 8165403.3/46

All: 204.161+/-0.020 χ^2/NDF: 18115618.5/97

- sign 196.087+/-0.028 χ^2/NDF: 9765483.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

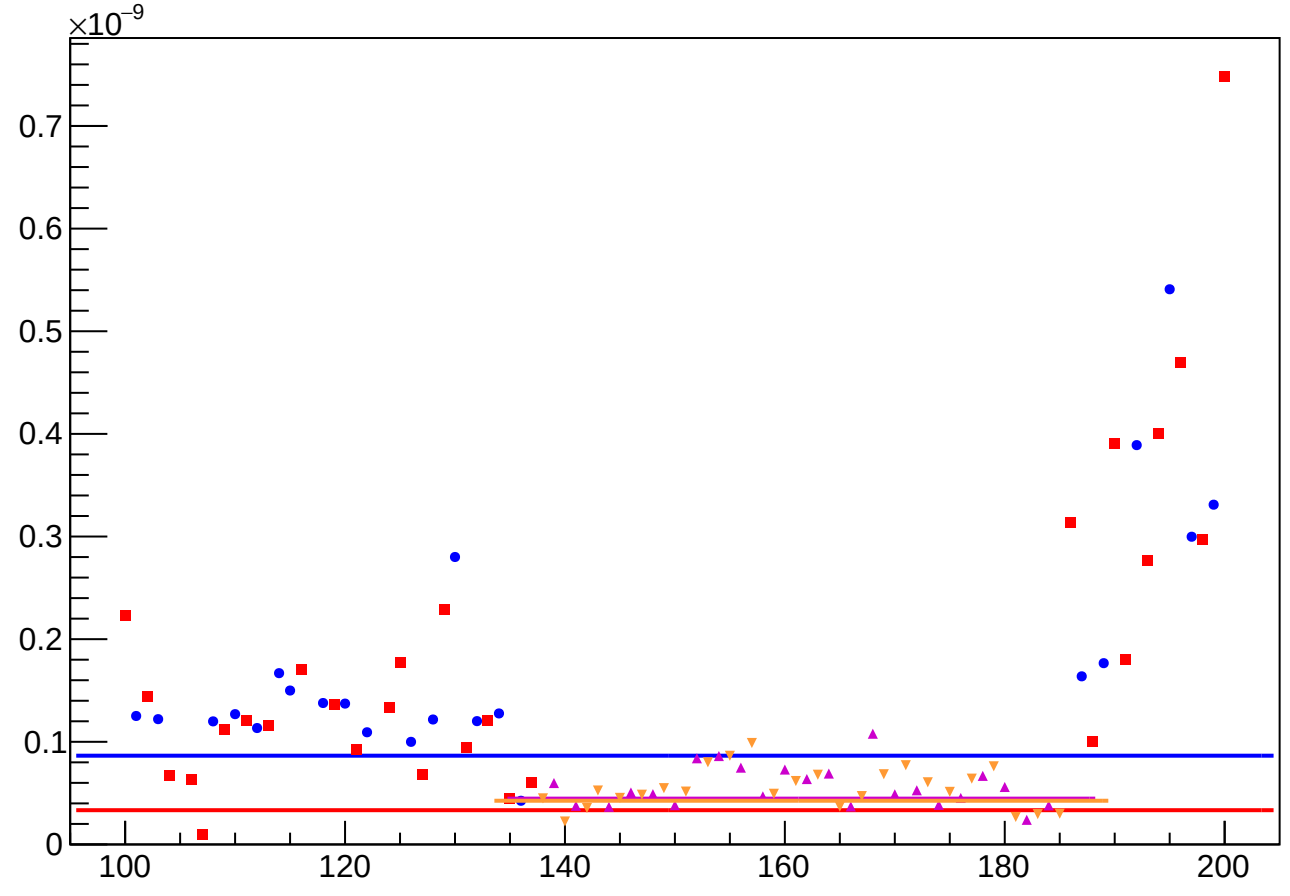
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/27

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/46

All: 0.000+/-0.000 χ^2/NDF: 82.7/97

- sign 0.000+/-0.000 χ^2/NDF: 47.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4396047.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9879125.9/27

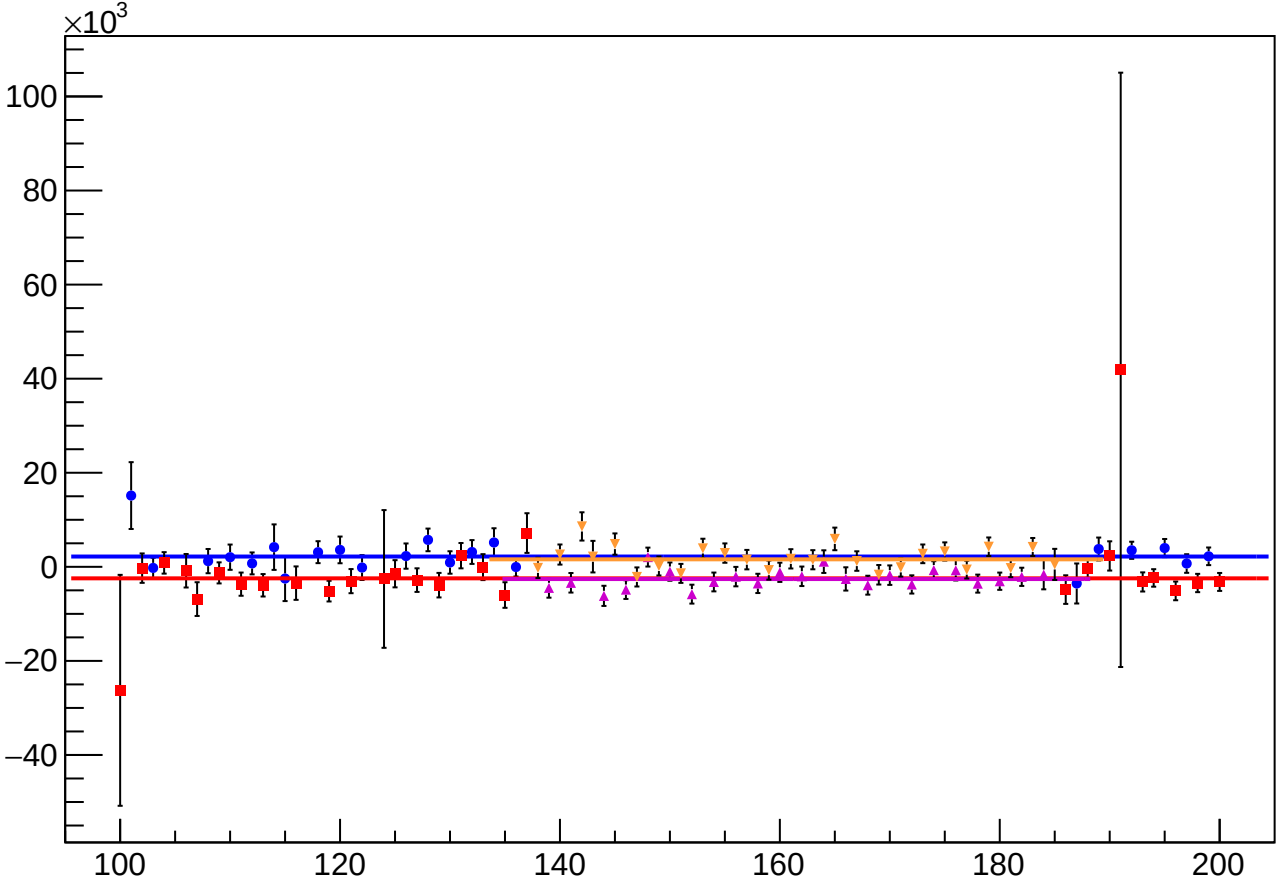
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10083253.2/46

All: 0.000+/-0.000 χ^2/NDF: 23356704.1/97

- sign 0.000+/-0.000 χ^2/NDF: 13113764.3/50

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2187.547+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2448.878+/-492.547 χ^2/NDF: 26.0/27

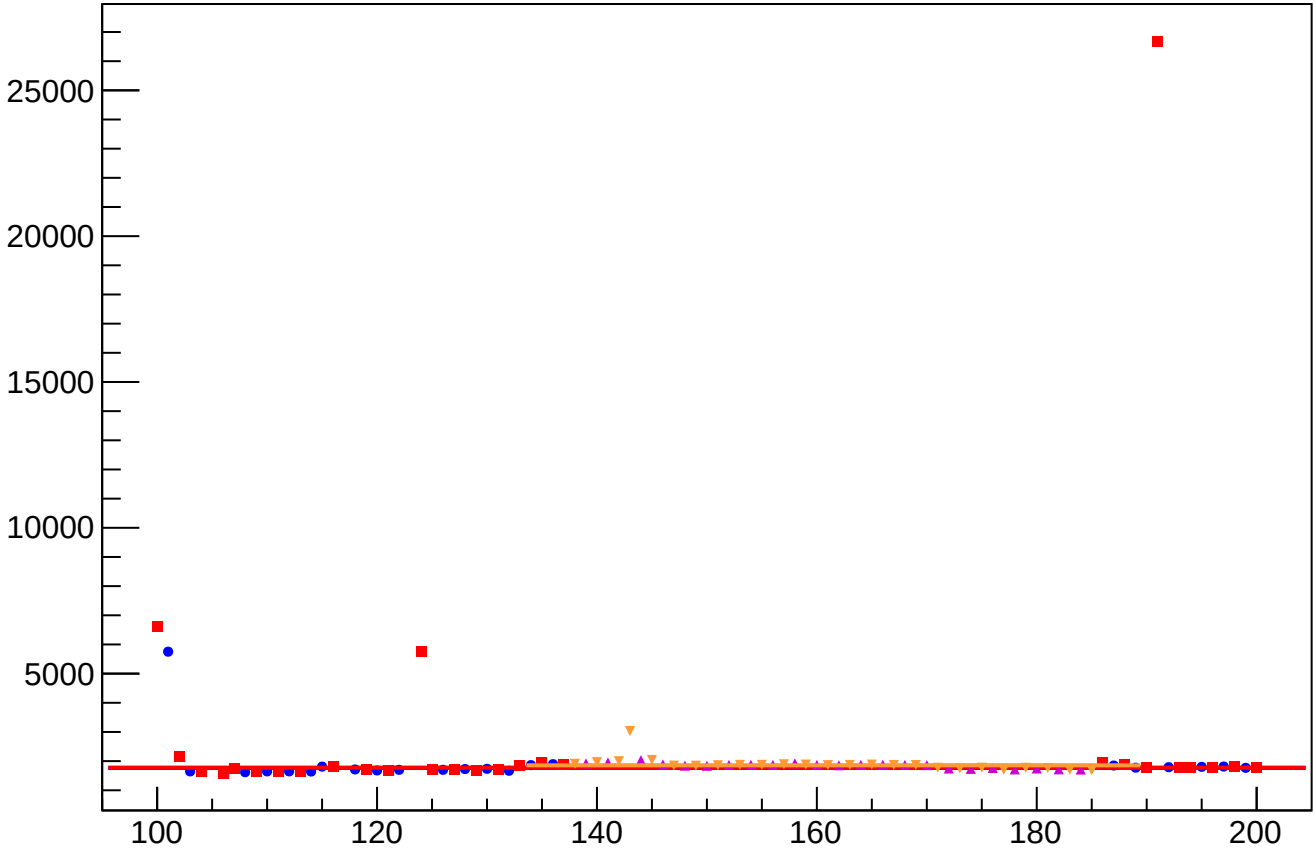
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1825.011+/-330.395 χ^2/NDF: 48.5/46

All: -396.383+/-231.349 χ^2/NDF: 183.3/97

- sign -2533.306+/-324.052 χ^2/NDF: 46.2/50

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.406+/-0.374 χ^2/NDF: 674689.8/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.144+/-0.347 χ^2/NDF: 639270.1/27

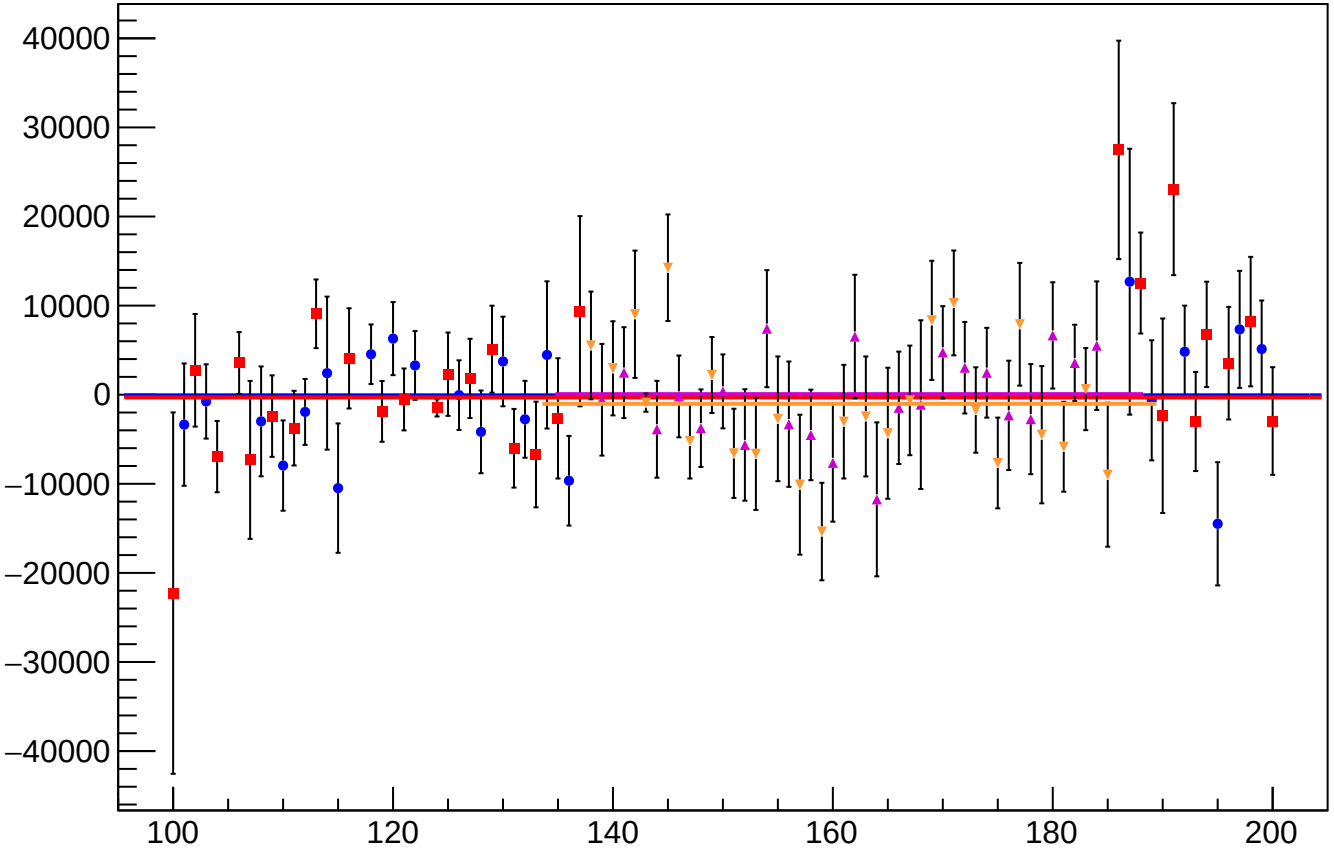
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.4/46

All: 1816.637+/-0.163 χ^2/NDF: 1764189.8/97

- sign 1812.349+/-0.229 χ^2/NDF: 730618.2/50

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -68.464+/-1074.197 χ^2/NDF: 24.2/21

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -303.326+/-692.071 χ^2/NDF: 40.5/27

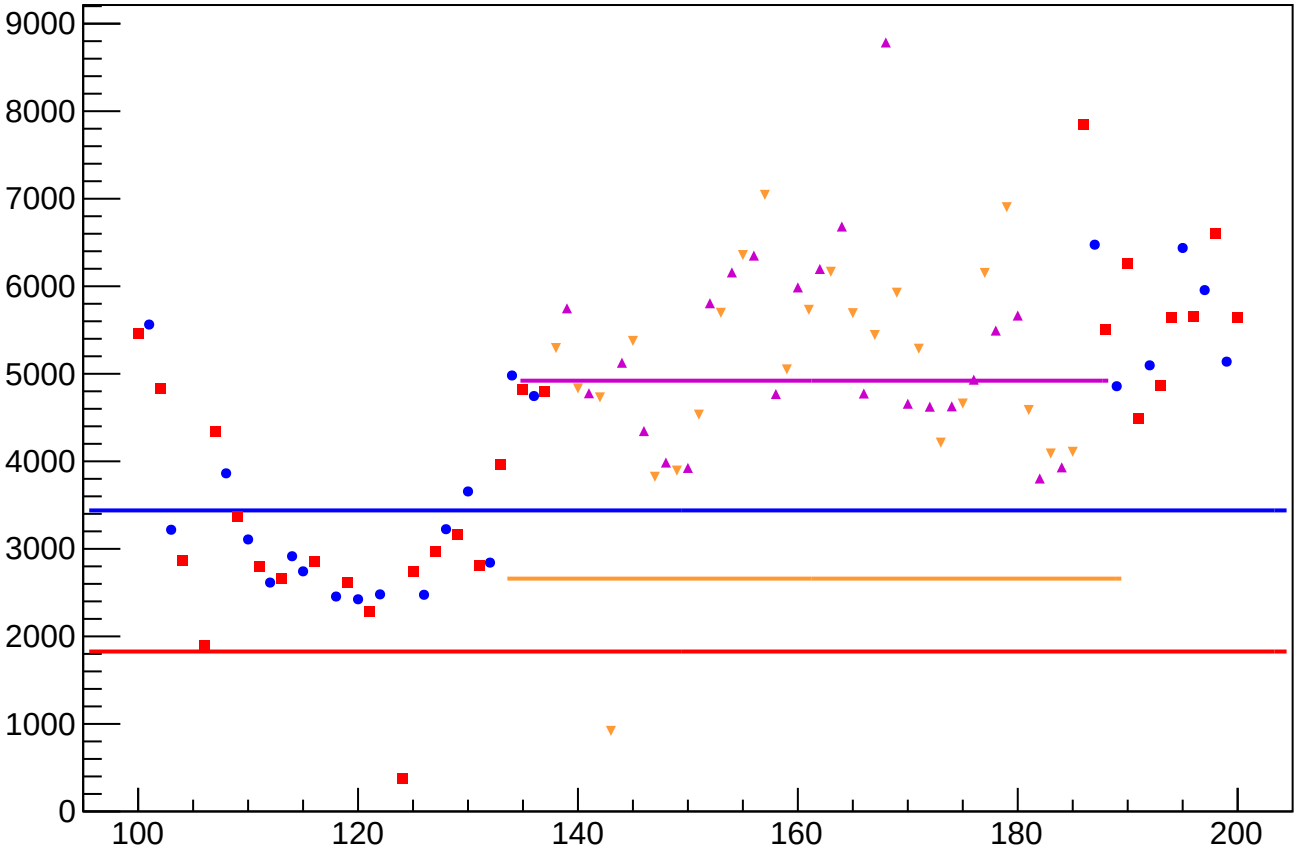
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

\+ sign -695.272+/-626.799 χ^2/NDF: 58.5/46

All: -439.916+/-431.957 χ^2/NDF: 112.4/97

\- sign -208.949+/-596.115 χ^2/NDF: 53.6/50

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3439.132+/-0.760 χ^2/NDF: 2372520.9/21

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1827.108+/-0.489 χ^2/NDF: 12967195.3/27

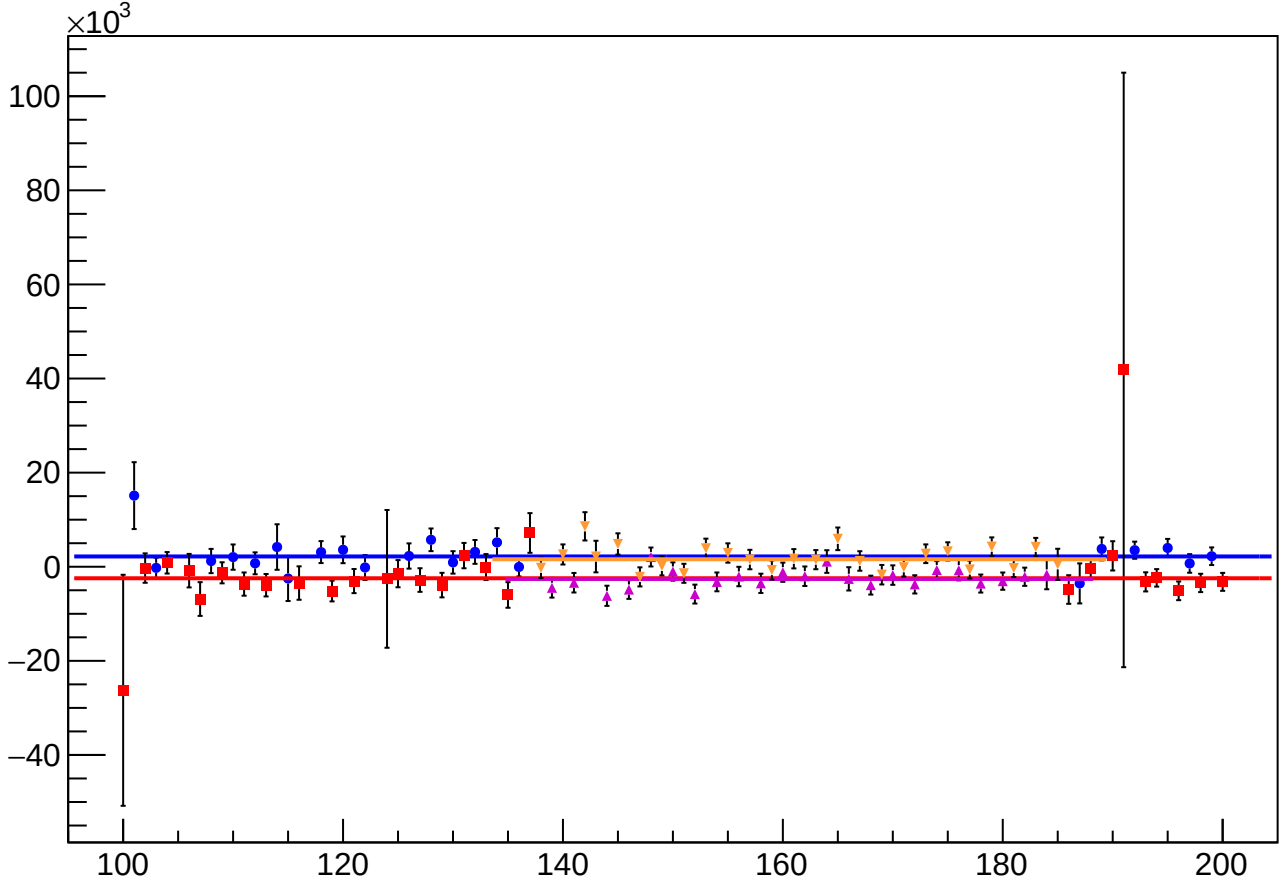
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2925.283+/-0.443 χ^2/NDF: 17602504.2/46

All: 2767.952+/-0.305 χ^2/NDF: 42378334.2/9

- sign 2625.648+/-0.422 χ^2/NDF: 24535846.6/50

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2448.909+/-492.547 χ^2/NDF: 26.0/27

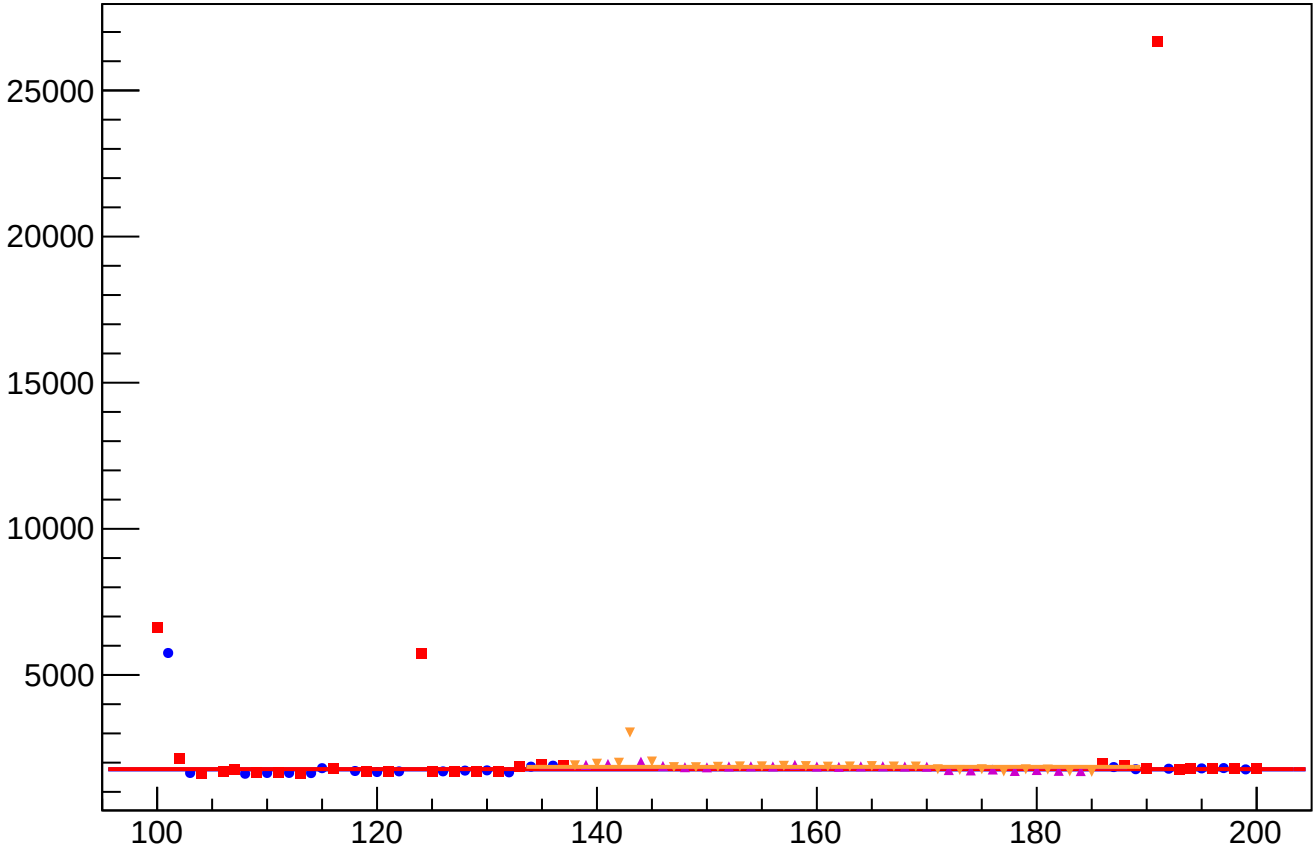
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1824.915+/-330.395 χ^2/NDF: 48.5/46

All: -396.458+/-231.349 χ^2/NDF: 183.3/97

- sign -2533.360+/-324.052 χ^2/NDF: 46.2/50

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

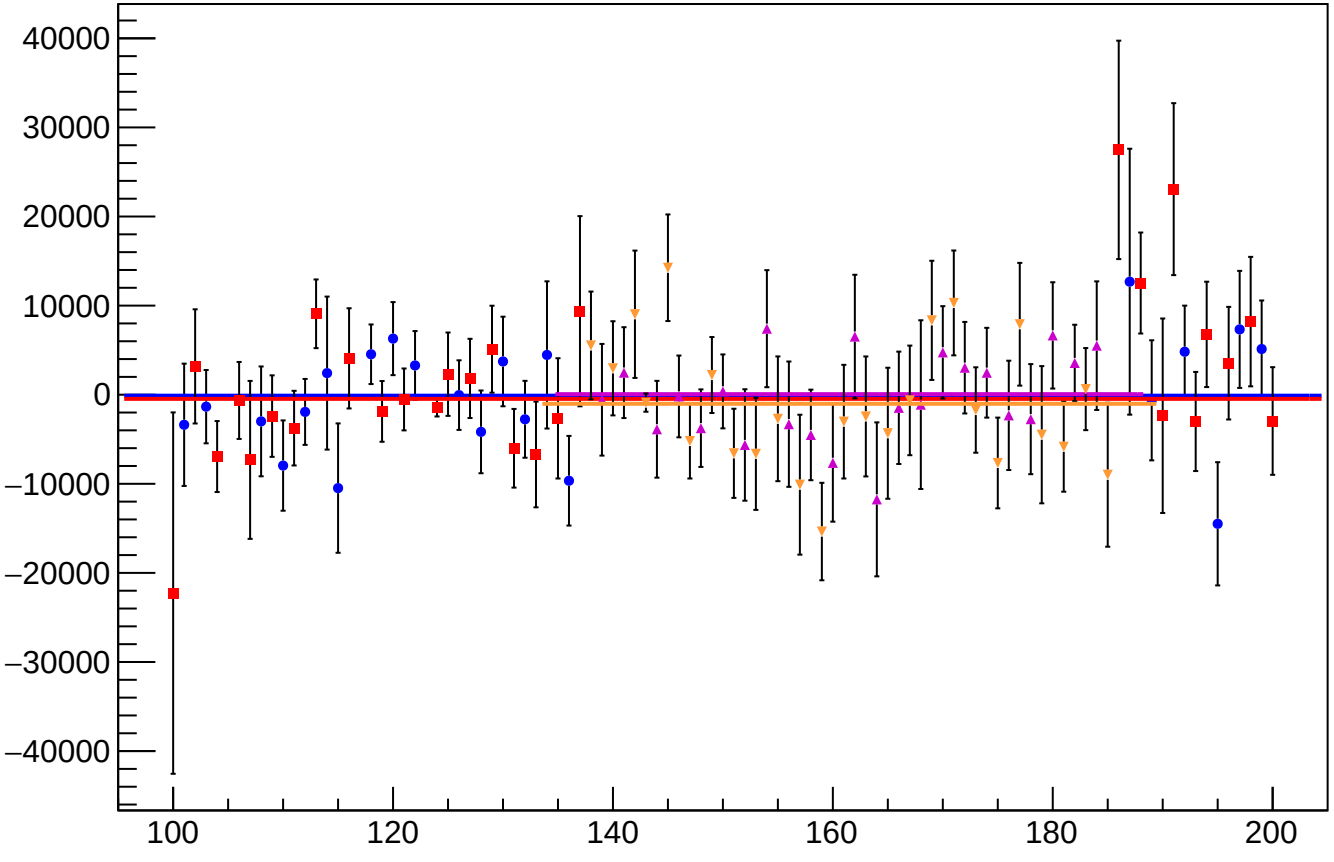
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.8/46

All: 1817.548+/-0.164 χ^2/NDF: 1752676.4/97

- sign 1814.127+/-0.229 χ^2/NDF: 719366.8/50

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -466.174+/-697.027 χ^2/NDF: 39.3/27

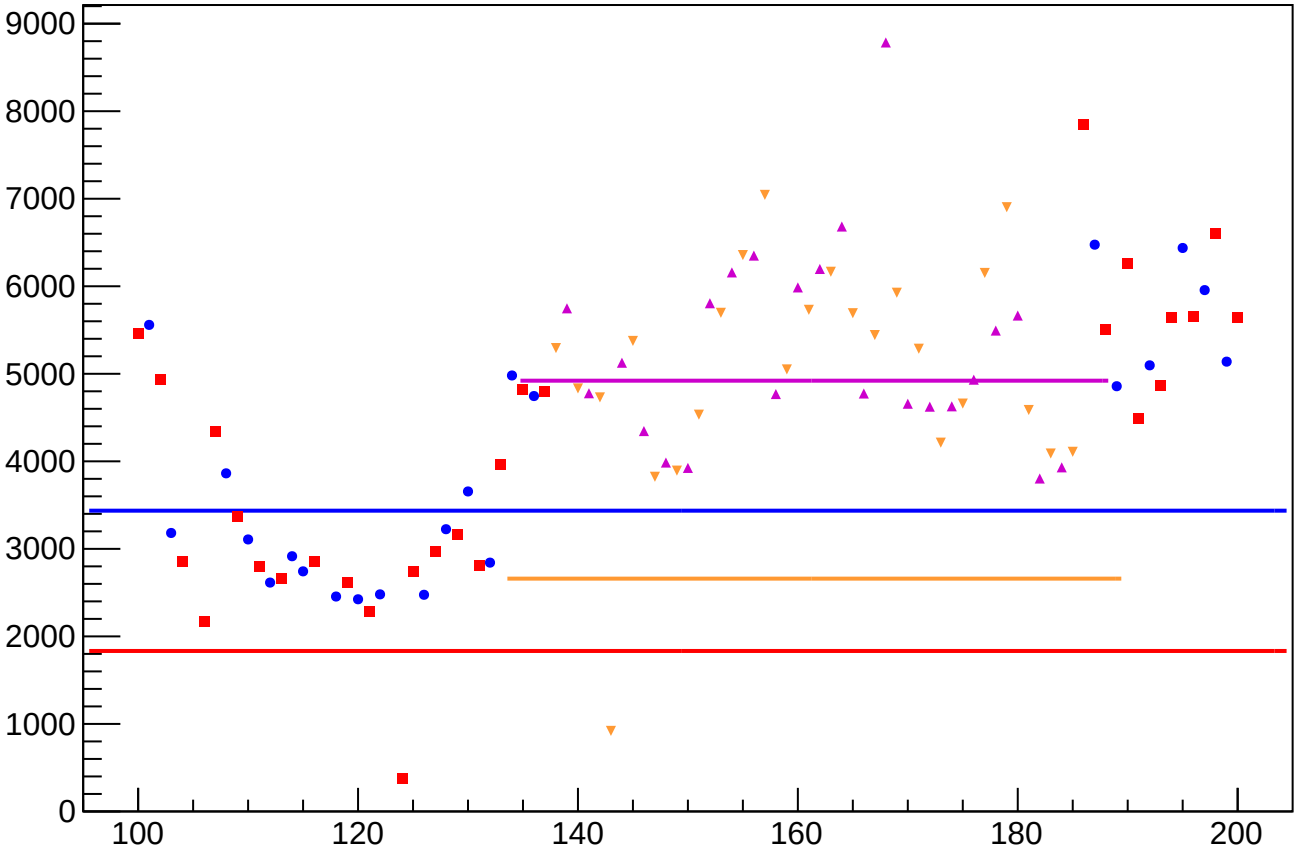
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -708.911+/-626.606 χ^2/NDF: 58.5/46

All: -510.145+/-433.091 χ^2/NDF: 111.2/97

- sign -328.342+/-599.274 χ^2/NDF: 52.5/50

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

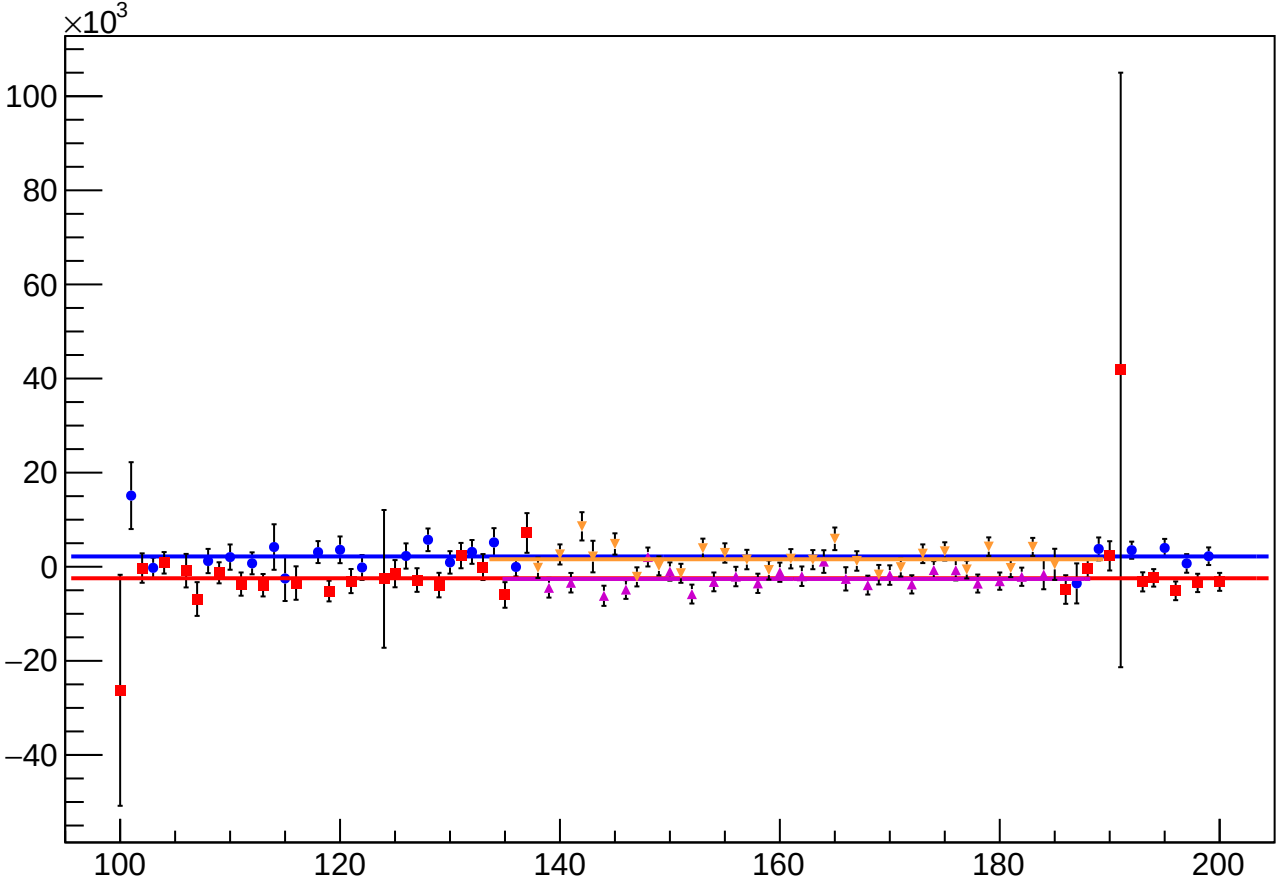
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2924.523+/-0.443 χ^2/NDF: 17600838.8/46

All: 2775.307+/-0.306 χ^2/NDF: 42300932.0/9

- sign 2638.824+/-0.424 χ^2/NDF: 24482940.3/50

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2448.909+/-492.547 χ^2/NDF: 26.0/27

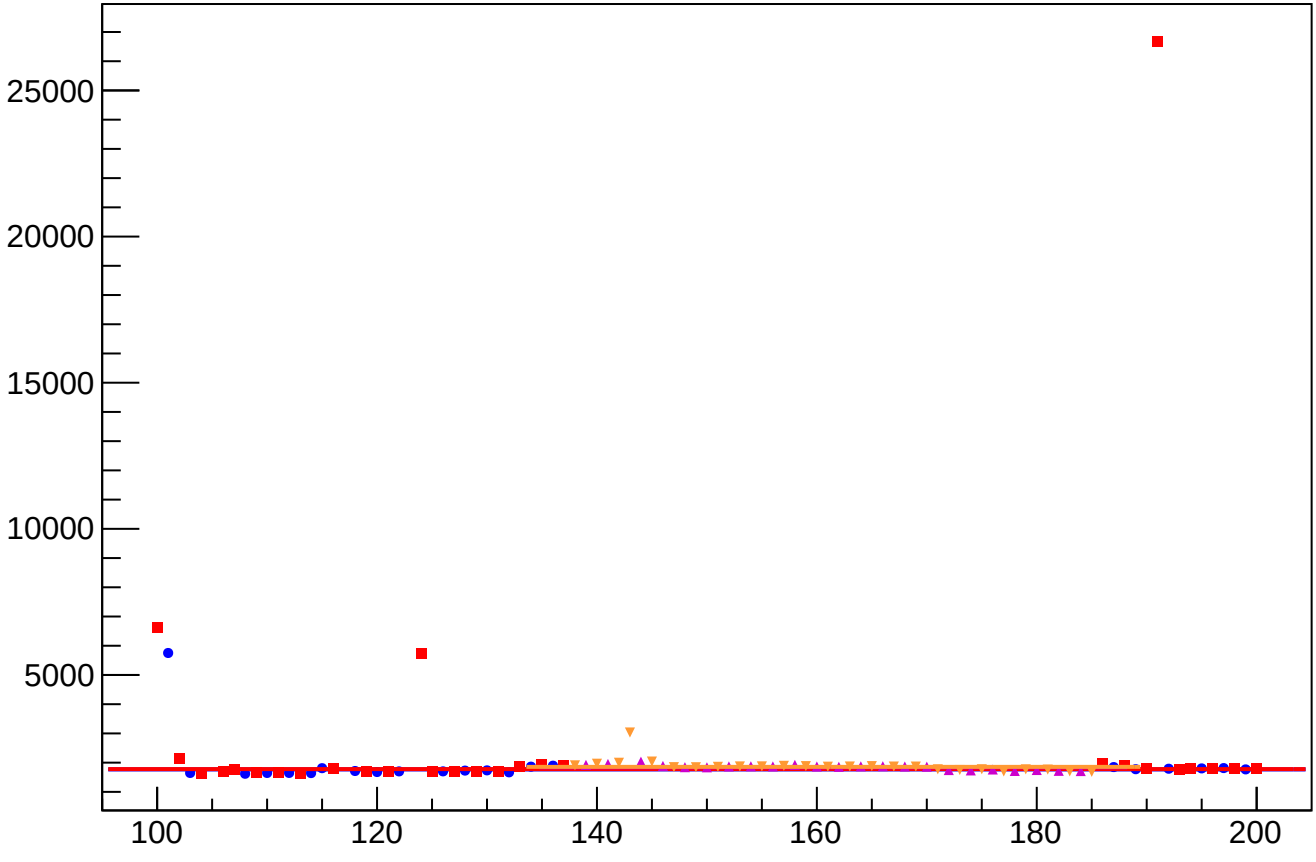
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1824.915+/-330.395 χ^2/NDF: 48.5/46

All: -396.458+/-231.349 χ^2/NDF: 183.3/97

- sign -2533.360+/-324.052 χ^2/NDF: 46.2/50

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

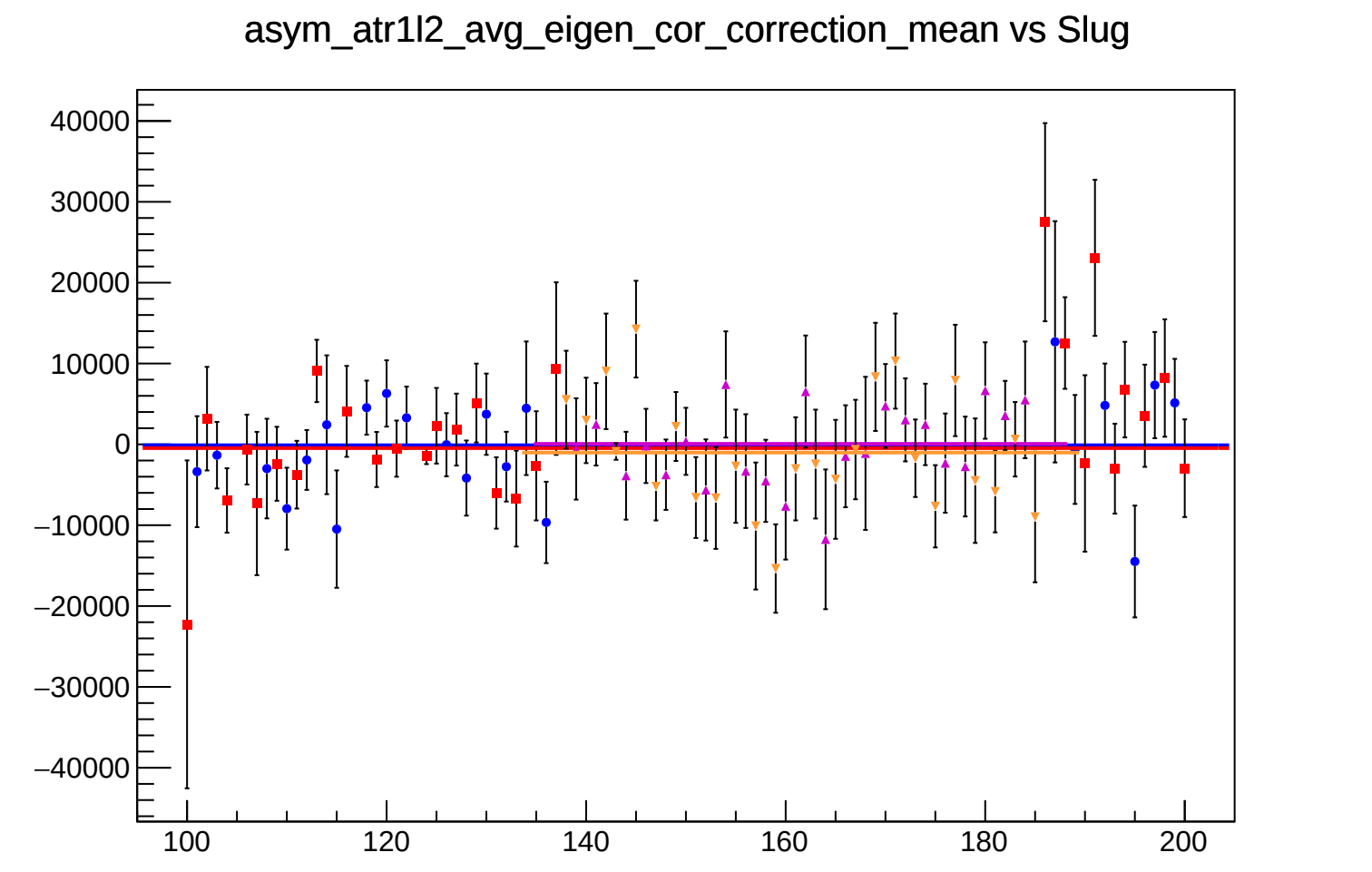
Right Out: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.8/46

All: 1817.548+/-0.164 χ^2/NDF: 1752676.4/97

- sign 1814.127+/-0.229 χ^2/NDF: 719366.8/50



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -466.174+/-697.027 χ^2/NDF: 39.3/27

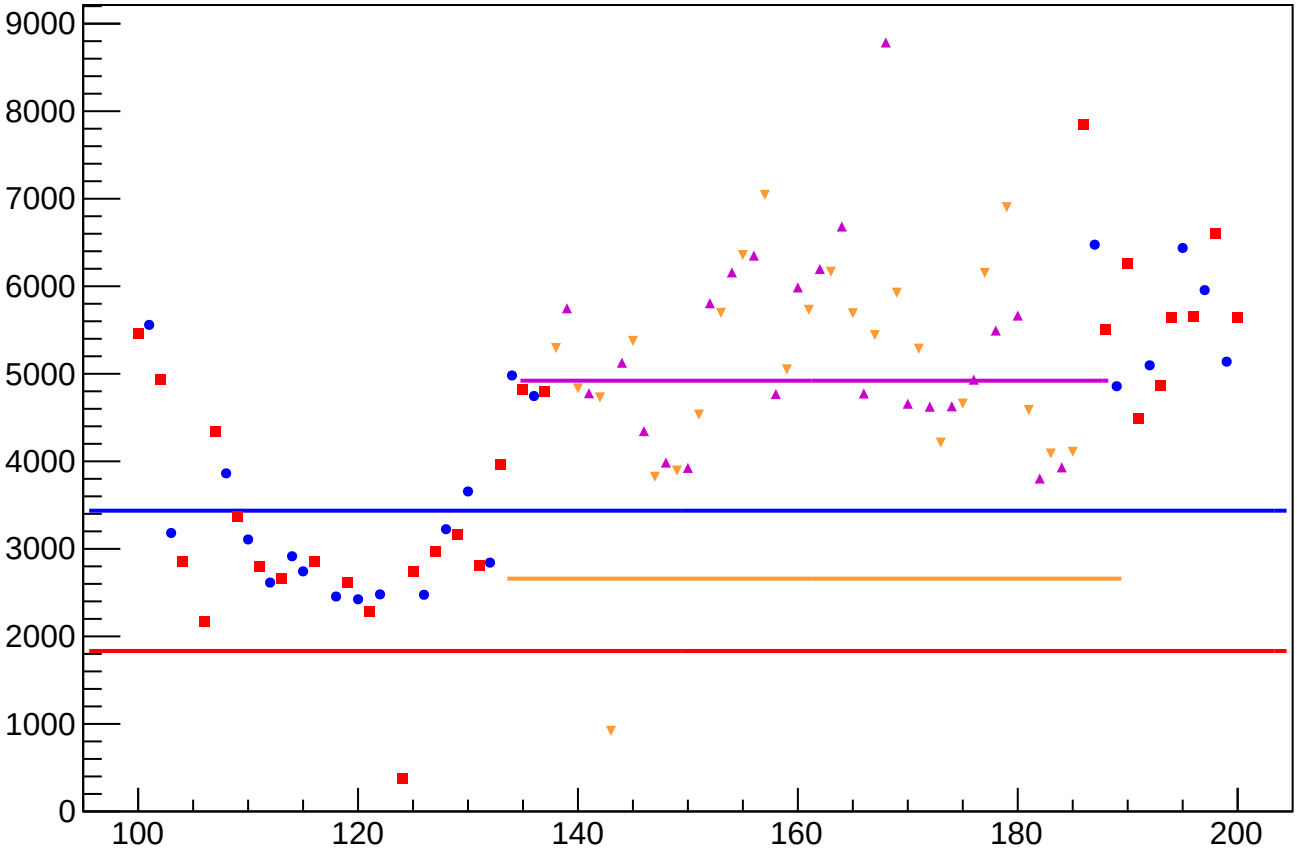
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -708.911+/-626.606 χ^2/NDF: 58.5/46

All: -510.145+/-433.091 χ^2/NDF: 111.2/97

- sign -328.342+/-599.274 χ^2/NDF: 52.5/50

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

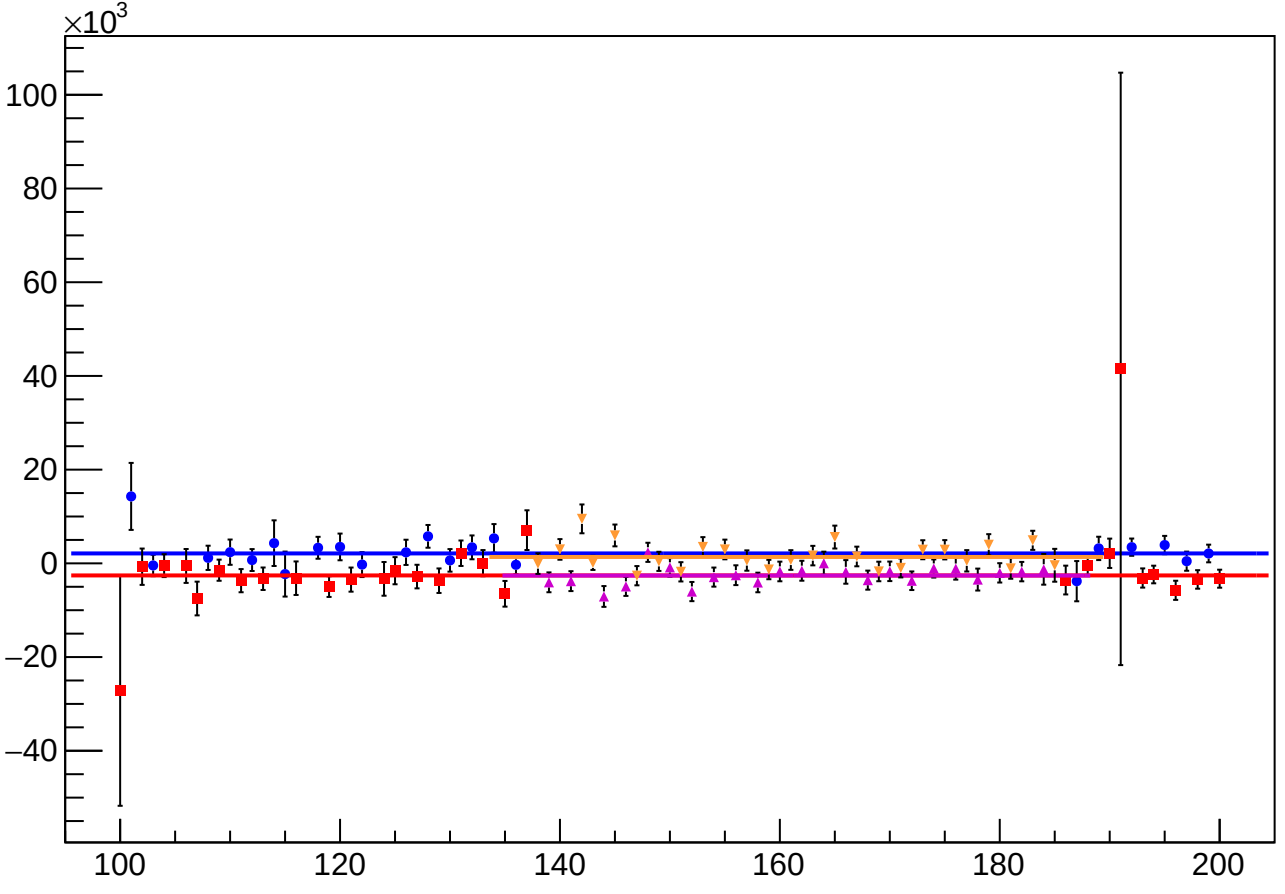
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2924.523+/-0.443 χ^2/NDF: 17600838.8/46

All: 2775.307+/-0.306 χ^2/NDF: 42300932.0/9

- sign 2638.824+/-0.424 χ^2/NDF: 24482940.3/50

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2119.096+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2577.761+/-495.553 χ^2/NDF: 24.3/27

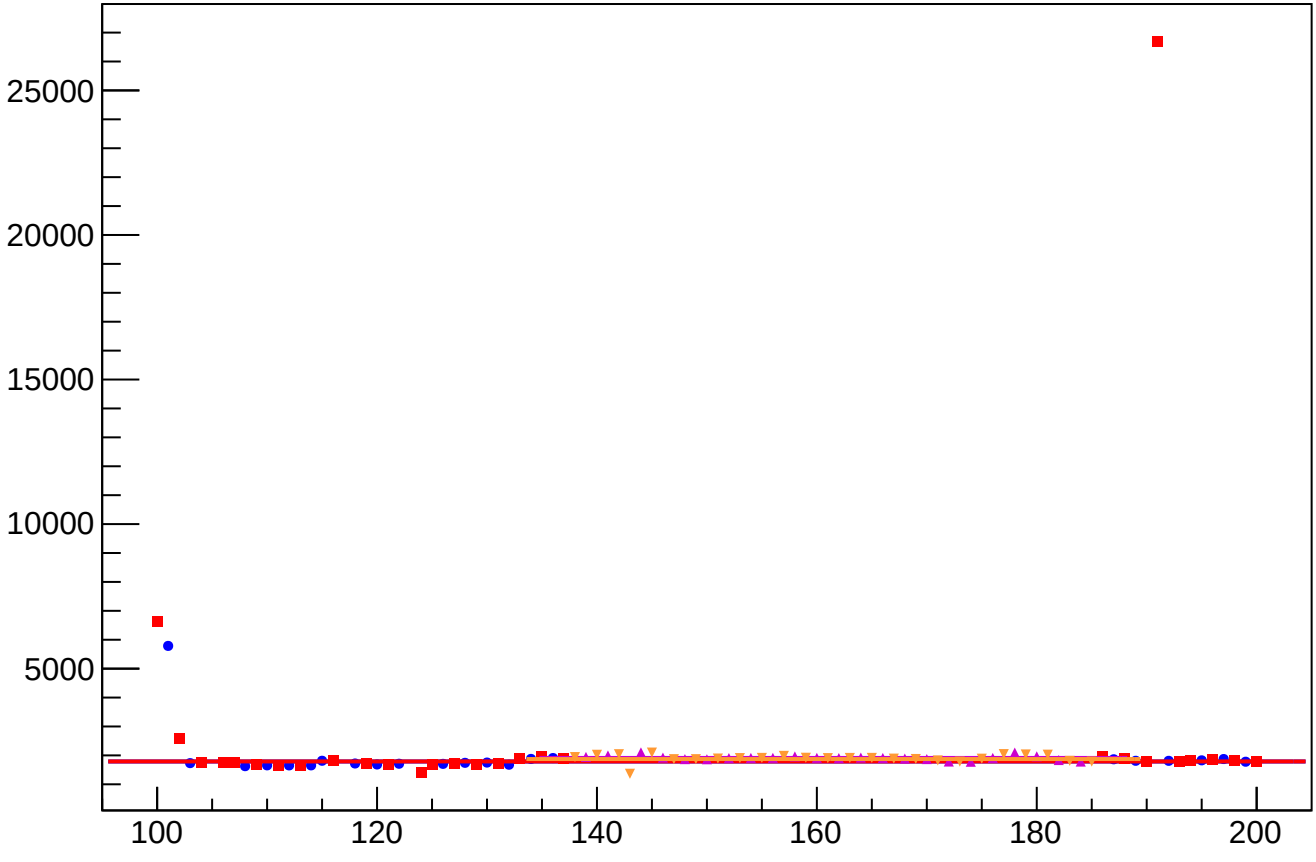
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1658.120+/-333.865 χ^2/NDF: 53.9/46

All: -479.843+/-235.349 χ^2/NDF: 179.8/97

- sign -2591.594+/-331.812 χ^2/NDF: 44.4/50

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

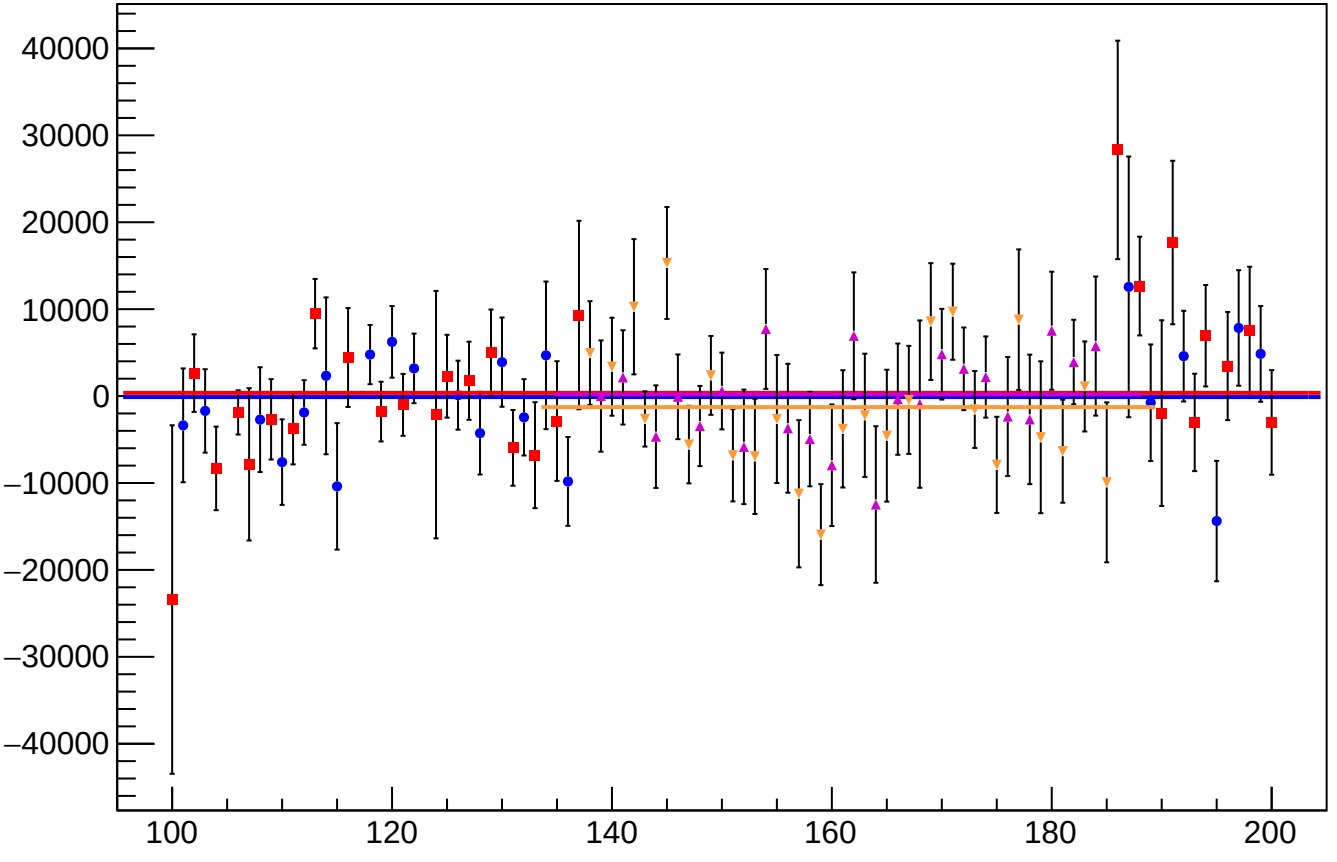
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1840.166+/-0.236 χ^2/NDF: 1015022.6/46

All: 1848.774+/-0.166 χ^2/NDF: 1697186.7/97

- sign 1857.266+/-0.234 χ^2/NDF: 679522.7/50

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -112.621+/-1093.665 χ^2/NDF: 23.9/21

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 370.359+/-968.985 χ^2/NDF: 36.1/27

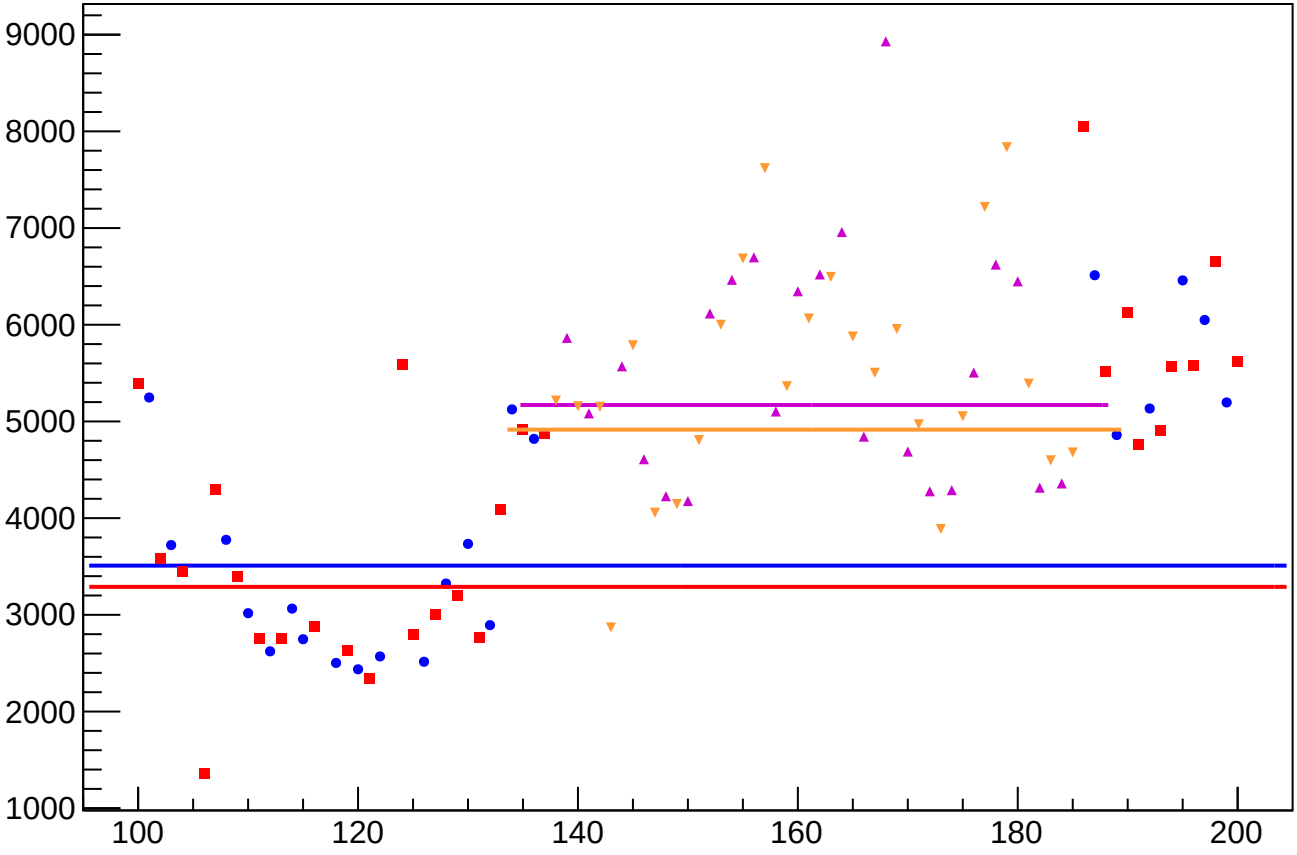
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -659.087+/-794.504 χ^2/NDF: 57.8/46

All: -157.462+/-550.035 χ^2/NDF: 107.4/97

- sign 304.241+/-762.233 χ^2/NDF: 48.8/50

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3509.020+/-0.773 χ^2/NDF: 2302681.0/21

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3289.276+/-0.685 χ^2/NDF: 4053771.9/27

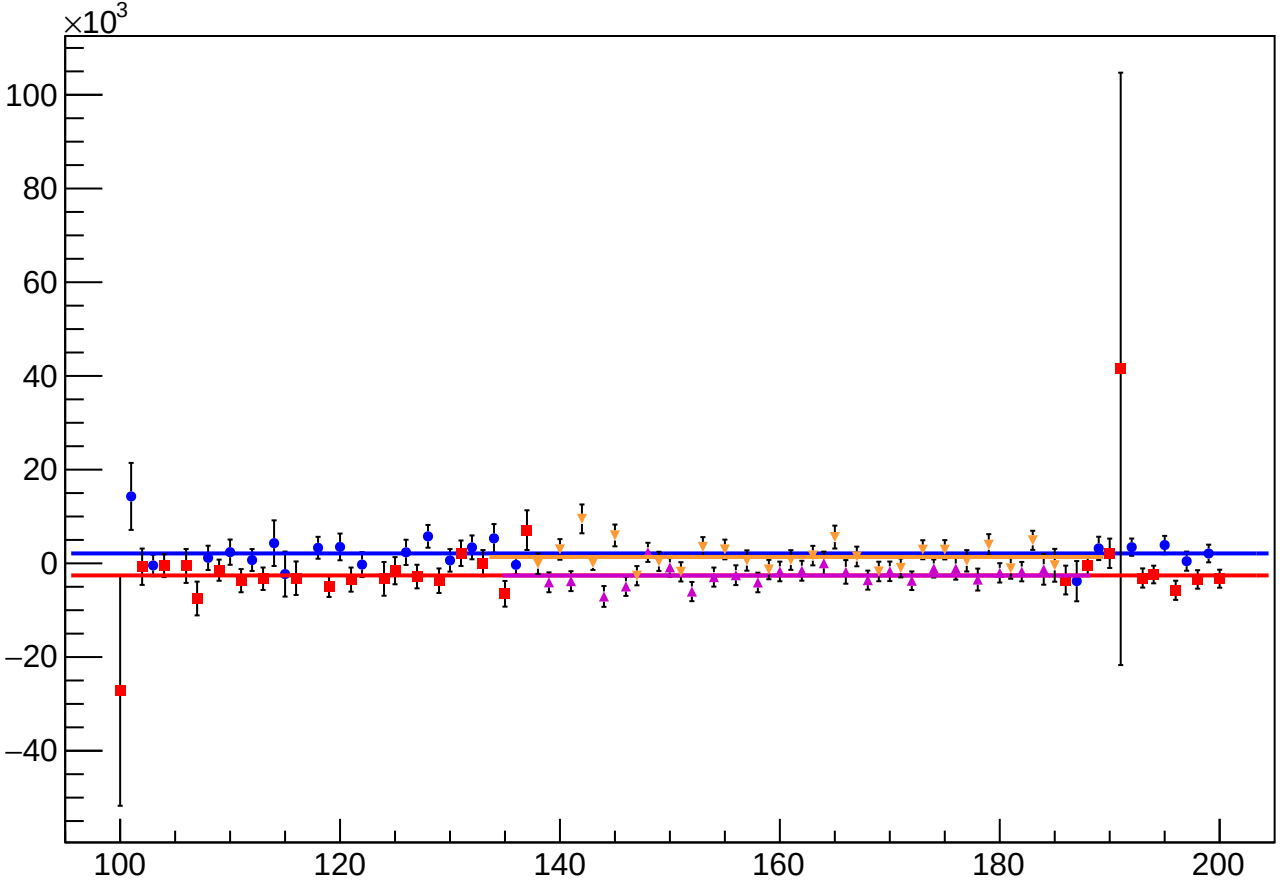
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4173.118+/-0.562 χ^2/NDF: 6030431.3/46

All: 4086.222+/-0.389 χ^2/NDF: 14351129.4/9

- sign 4006.242+/-0.539 χ^2/NDF: 8274754.1/50

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2119.094+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2577.761+/-495.553 χ^2/NDF: 24.3/27

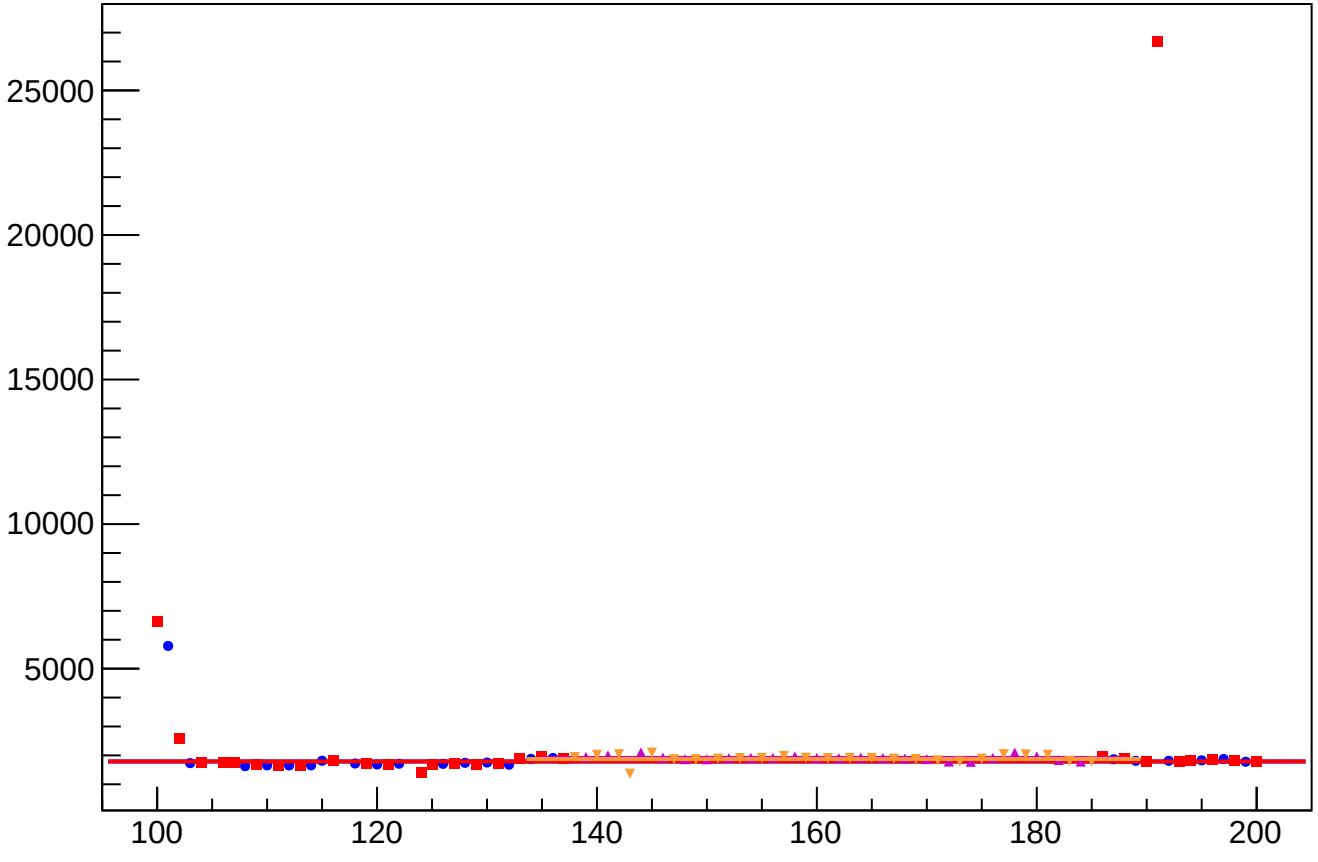
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1658.118+/-333.866 χ^2/NDF: 53.9/46

All: -479.843+/-235.349 χ^2/NDF: 179.8/97

- sign -2591.593+/-331.813 χ^2/NDF: 44.4/50

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

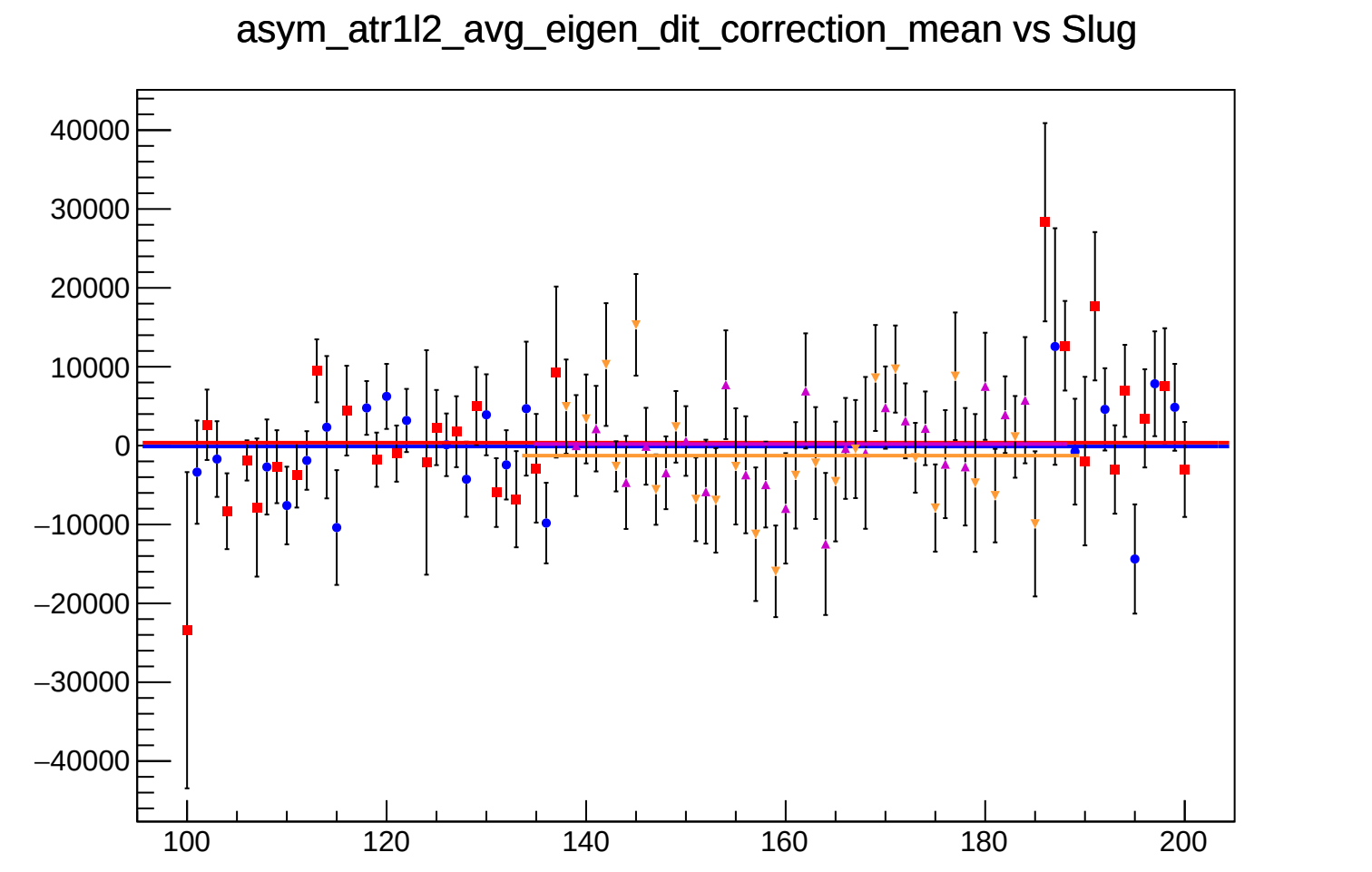
Right Out: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1840.166+/-0.236 χ^2/NDF: 1015026.8/46

All: 1848.775+/-0.166 χ^2/NDF: 1697194.3/97

- sign 1857.266+/-0.234 χ^2/NDF: 679526.2/50



Right In: -112.618+/-1093.663 χ^2/NDF: 23.9/21

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 370.352+/-968.982 χ^2/NDF: 36.1/27

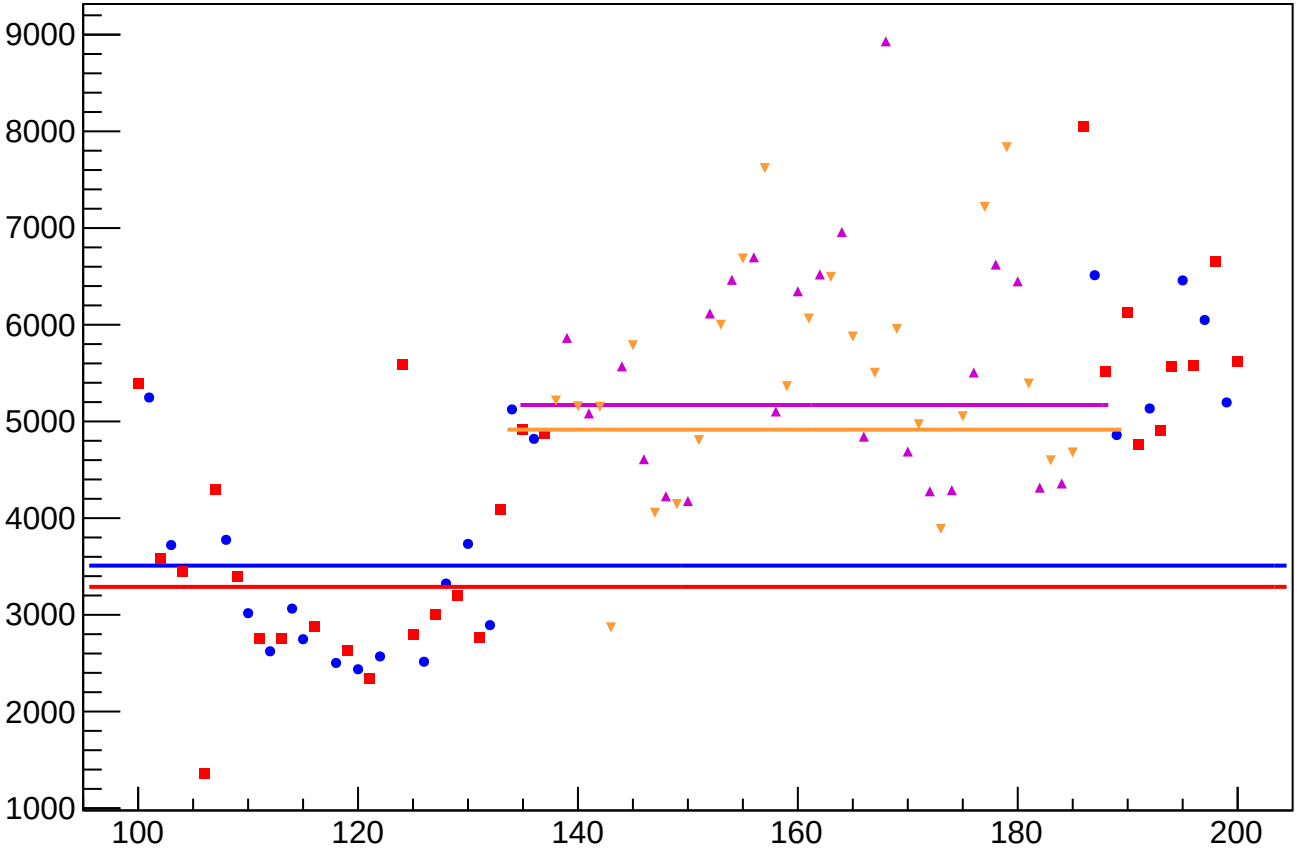
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -659.085+/-794.503 χ^2/NDF: 57.8/46

All: -157.463+/-550.035 χ^2/NDF: 107.4/97

- sign 304.237+/-762.232 χ^2/NDF: 48.8/50

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3509.009+/-0.773 χ^2/NDF: 2302711.1/21

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3289.263+/-0.685 χ^2/NDF: 4053823.0/27

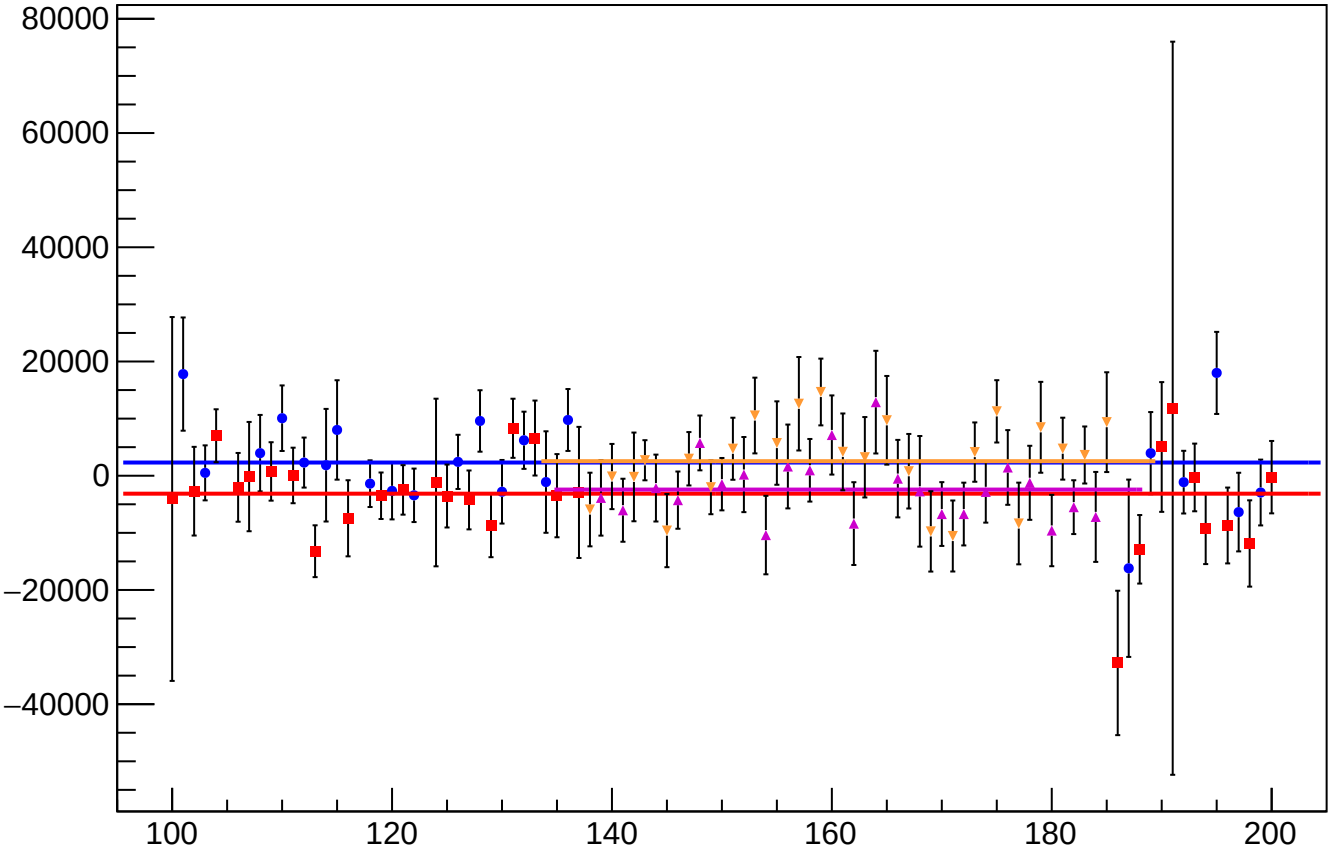
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4173.112+/-0.562 χ^2/NDF: 6030508.8/46

All: 4086.214+/-0.389 χ^2/NDF: 14351328.3/9

- sign 4006.233+/-0.539 χ^2/NDF: 8274873.2/50

asym_atr1l2_avg_mean vs Slug



Right In: 2311.178+/-1238.016 χ^2/NDF: 22.6/21

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3142.331+/-1174.984 χ^2/NDF: 31.6/27

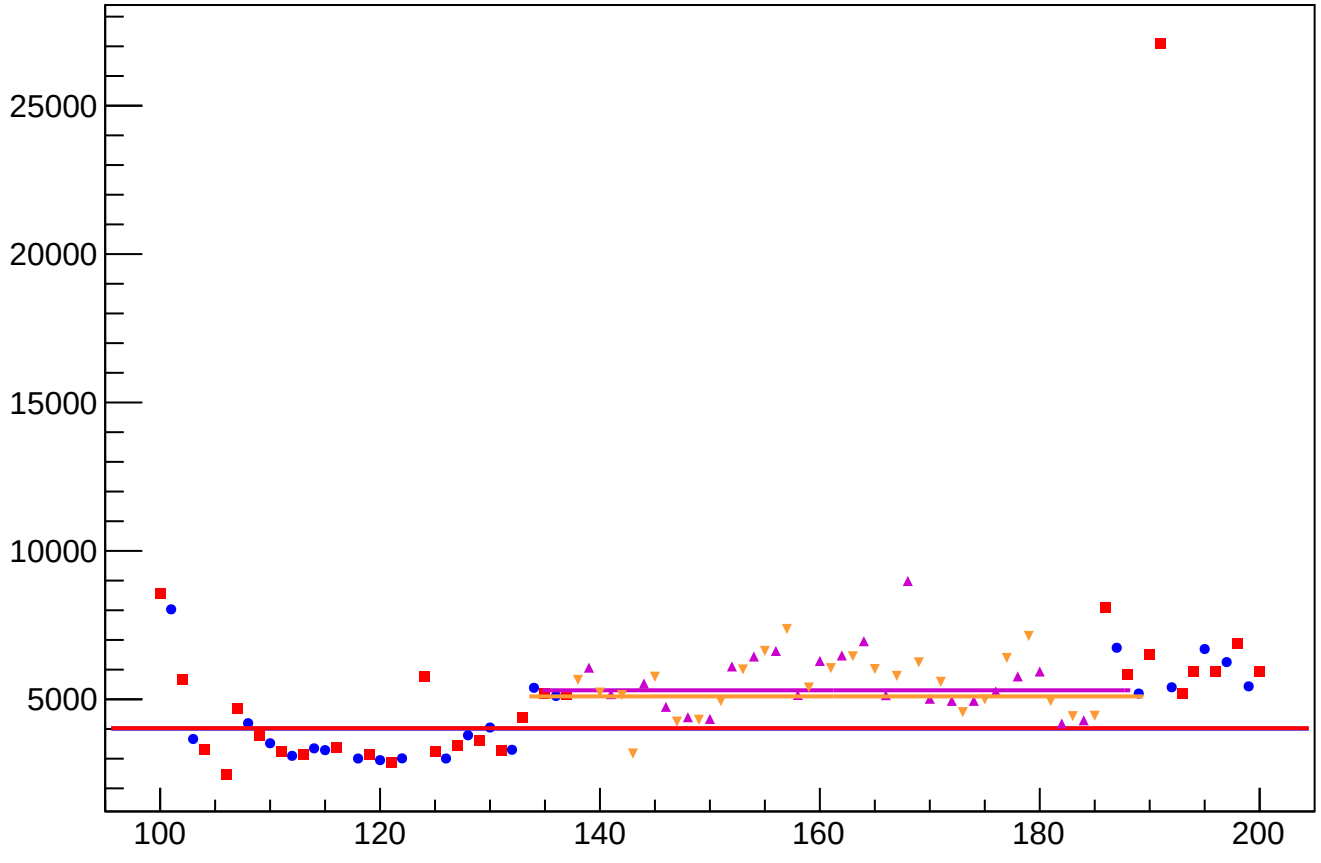
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2434.019+/-857.055 χ^2/NDF: 51.7/46

All: -180.226+/-606.791 χ^2/NDF: 117.2/97

- sign -2807.659+/-859.214 χ^2/NDF: 46.8/50

asym_atr1l2_avg_rms vs Slug



Right In: 4012.190+/-0.875 χ^2/NDF: 1891142.3/21

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

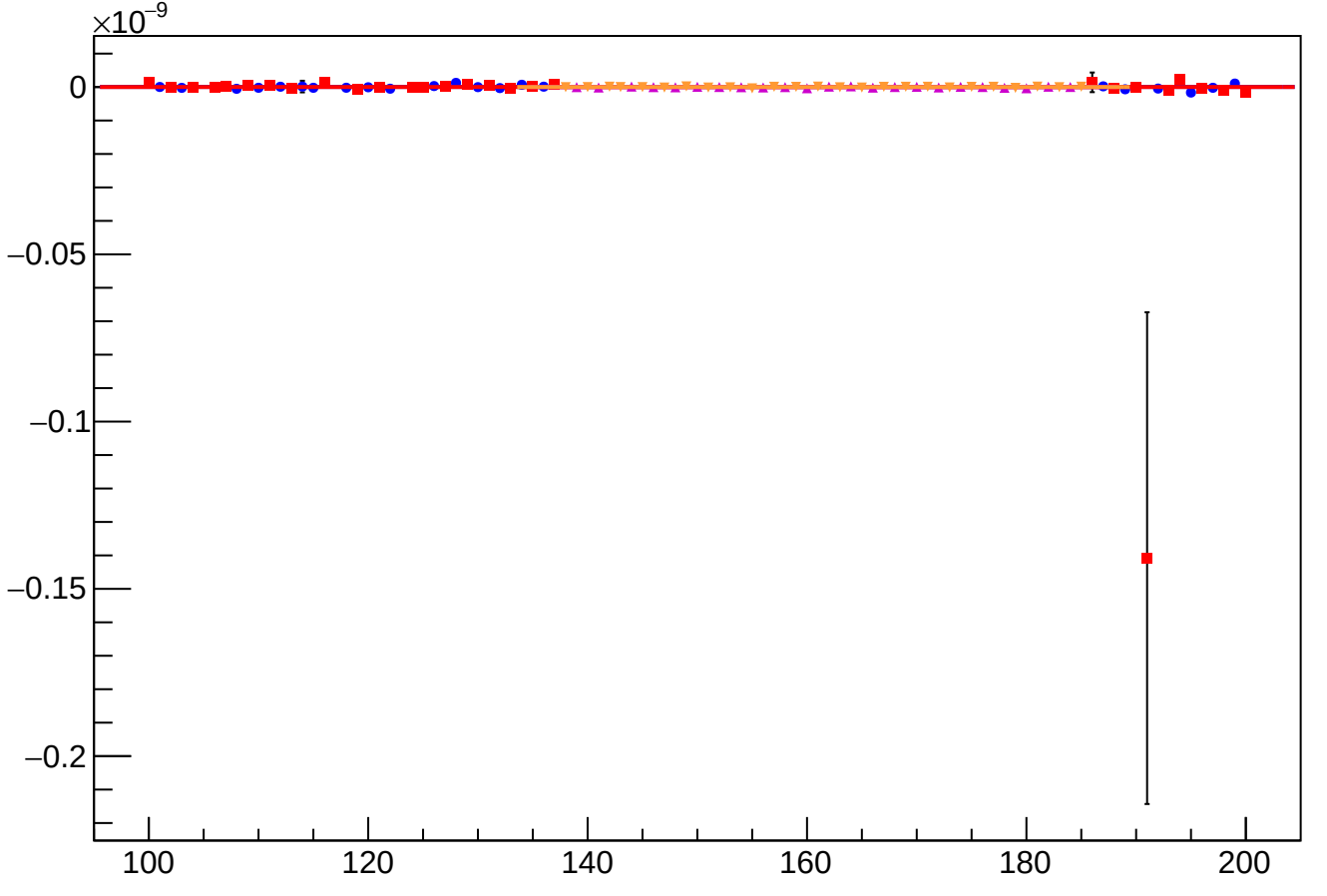
Right Out: 4026.988+/-0.821 χ^2/NDF: 2673541.9/27

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4577.619+/-0.606 χ^2/NDF: 4236668.6/46

All: 4595.700+/-0.428 χ^2/NDF: 9041597.8/97

- sign 4613.640+/-0.604 χ^2/NDF: 4803155.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

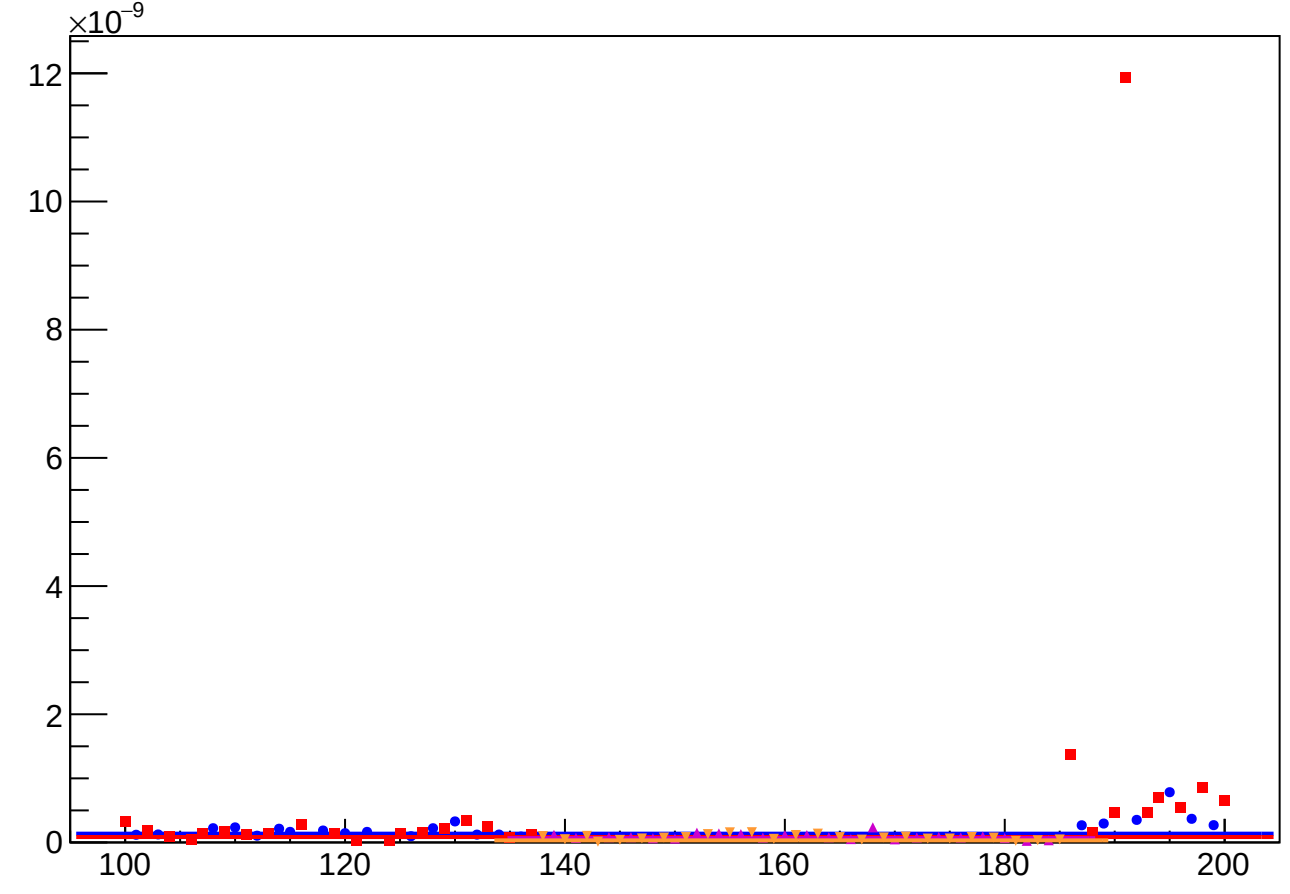
Right Out: 0.000+/-0.000 χ^2/NDF: 38.0/27

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 40.8/46

All: 0.000+/-0.000 χ^2/NDF: 101.7/97

\- sign 0.000+/-0.000 χ^2/NDF: 60.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 2016301.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6120087.5/27

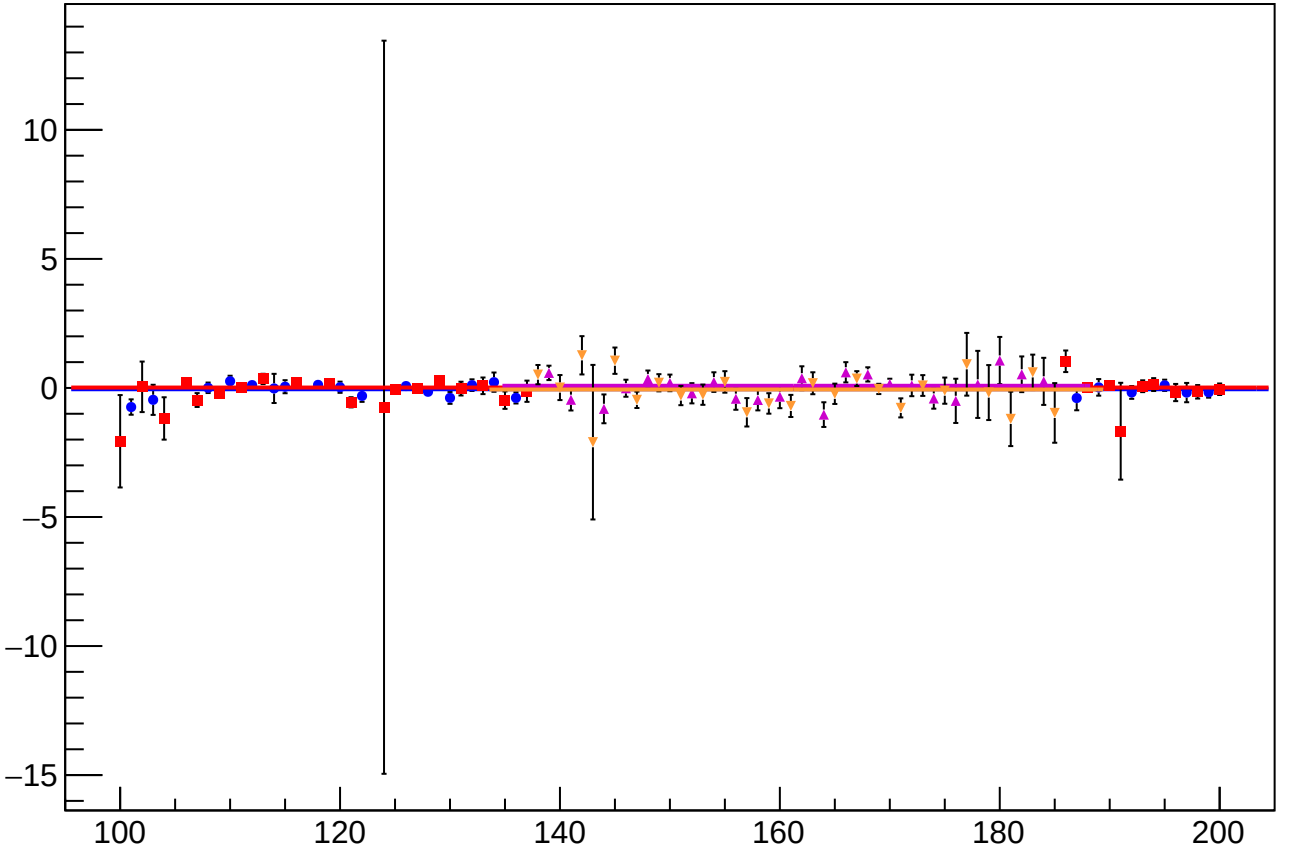
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12271275.1/46

All: 0.000+/-0.000 χ^2/NDF: 23421674.5/97

- sign 0.000+/-0.000 χ^2/NDF: 8736729.1/50

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.016+/-0.042 χ^2/NDF: 36.8/27

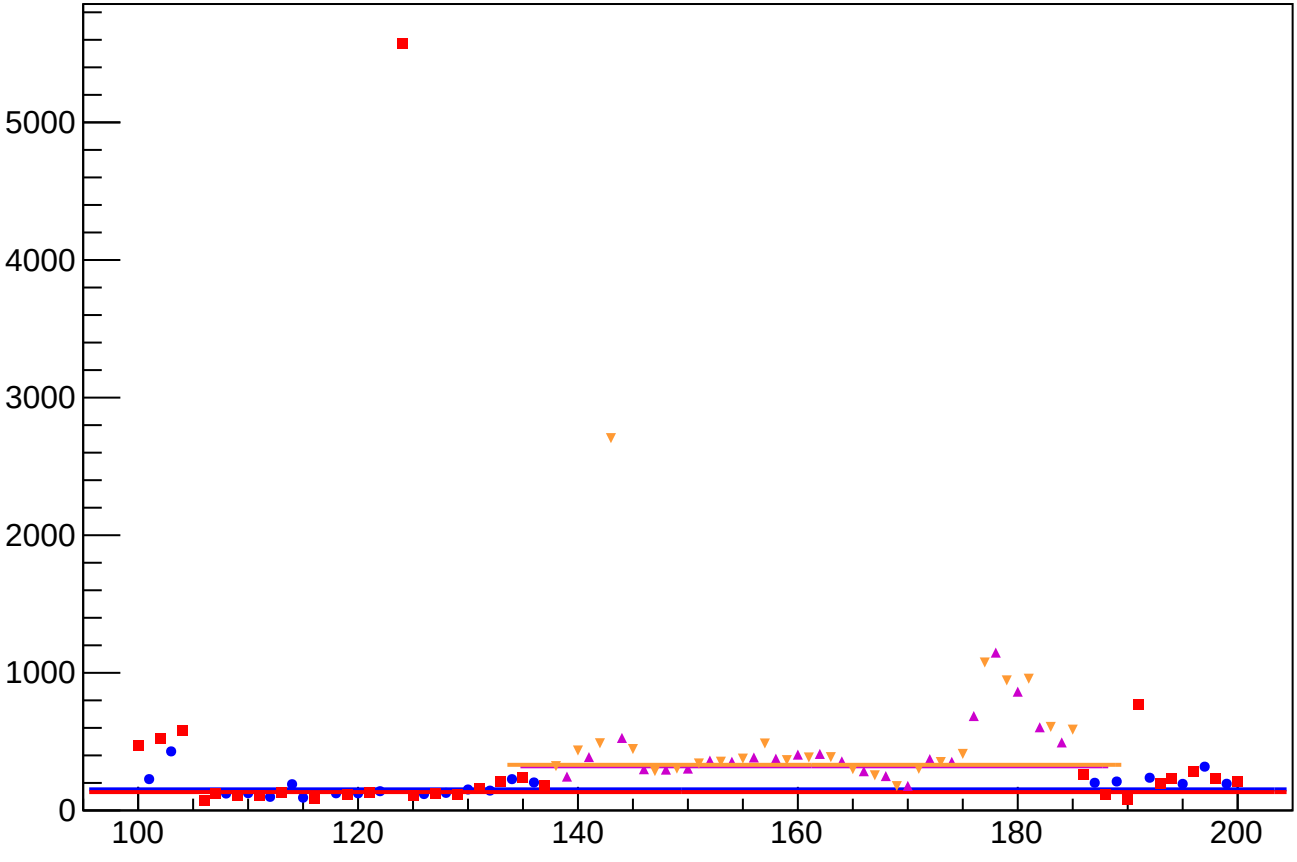
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.006+/-0.028 χ^2/NDF: 117.0/97

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

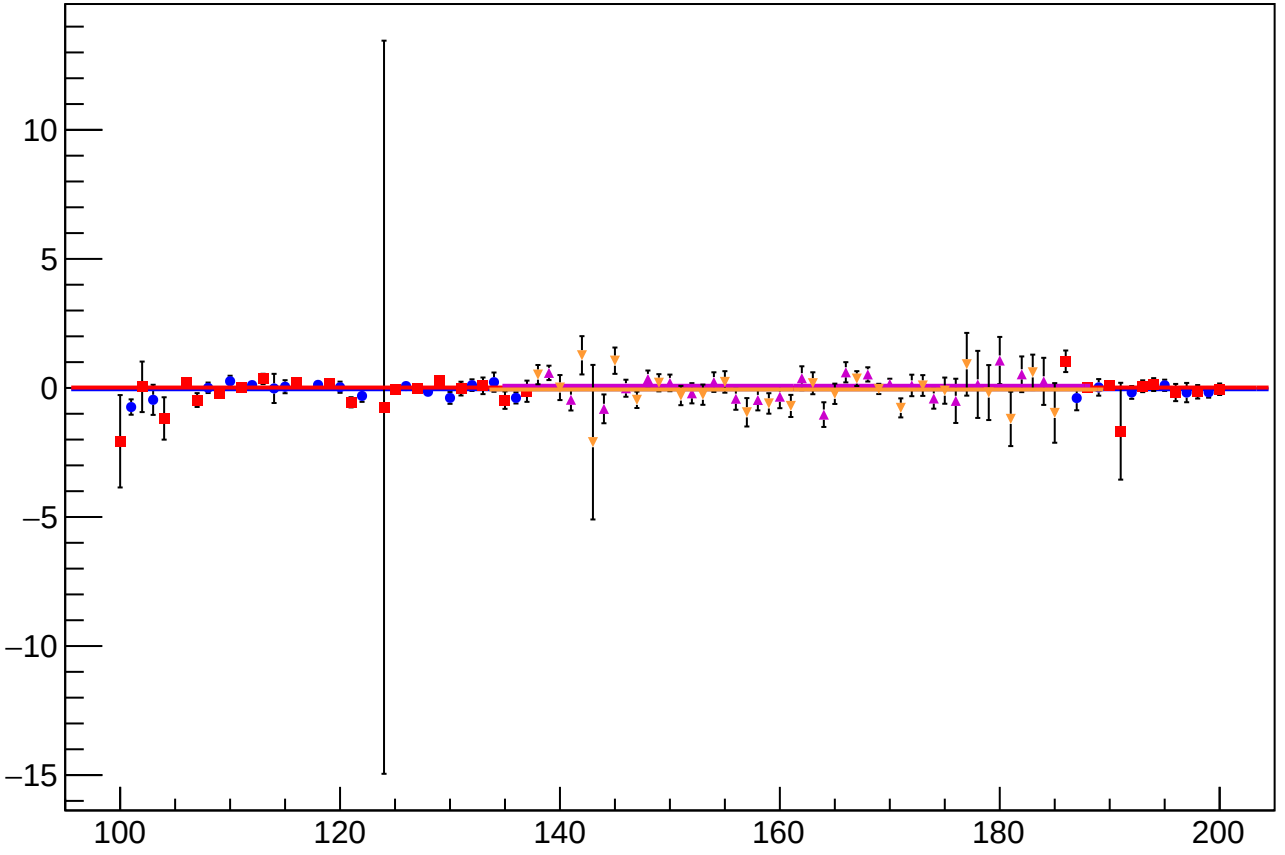
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.974+/-0.030 χ^2/NDF: 14822558.2/46

All: 184.674+/-0.020 χ^2/NDF: 32237173.1/97

- sign 173.051+/-0.026 χ^2/NDF: 16965035.1/50

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.016+/-0.042 χ^2/NDF: 36.8/27

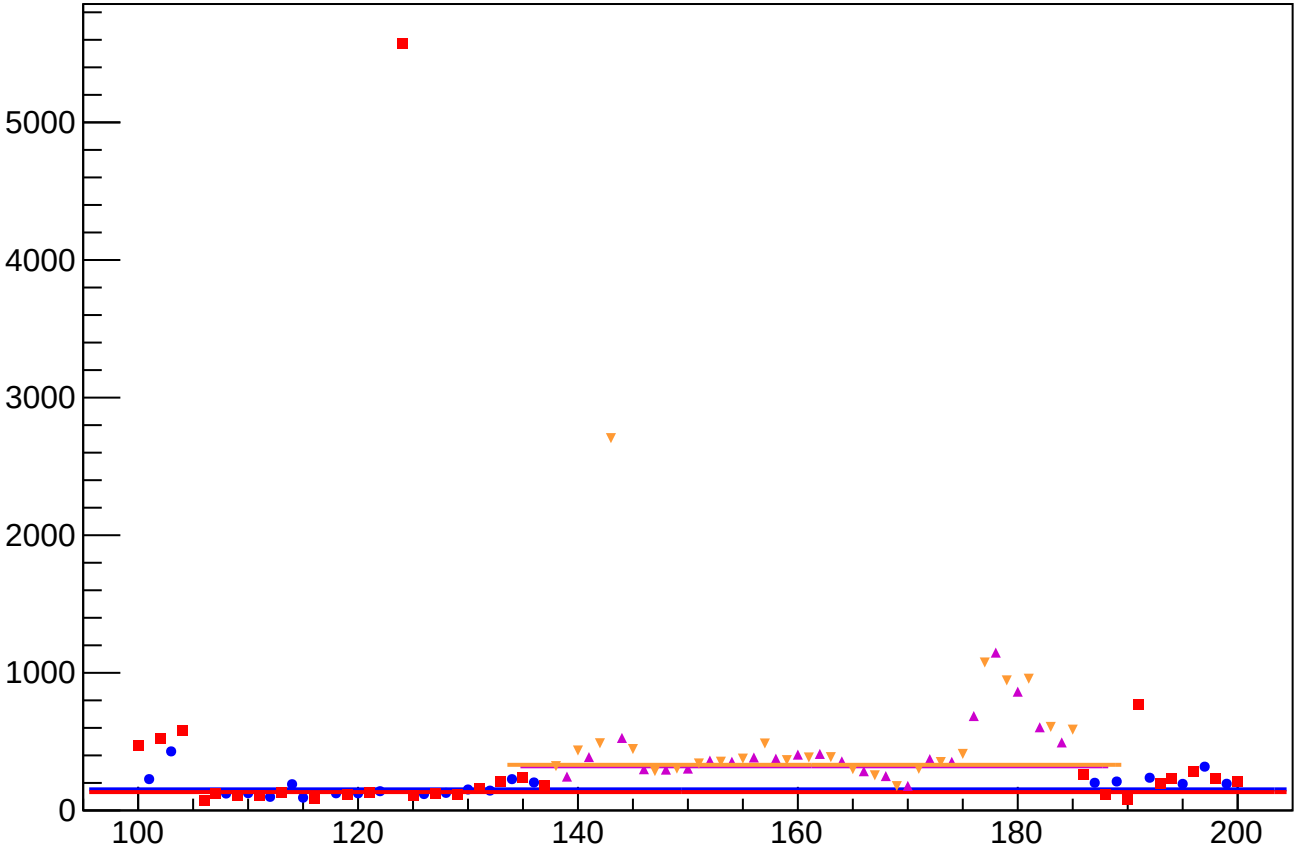
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.006+/-0.028 χ^2/NDF: 117.0/97

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

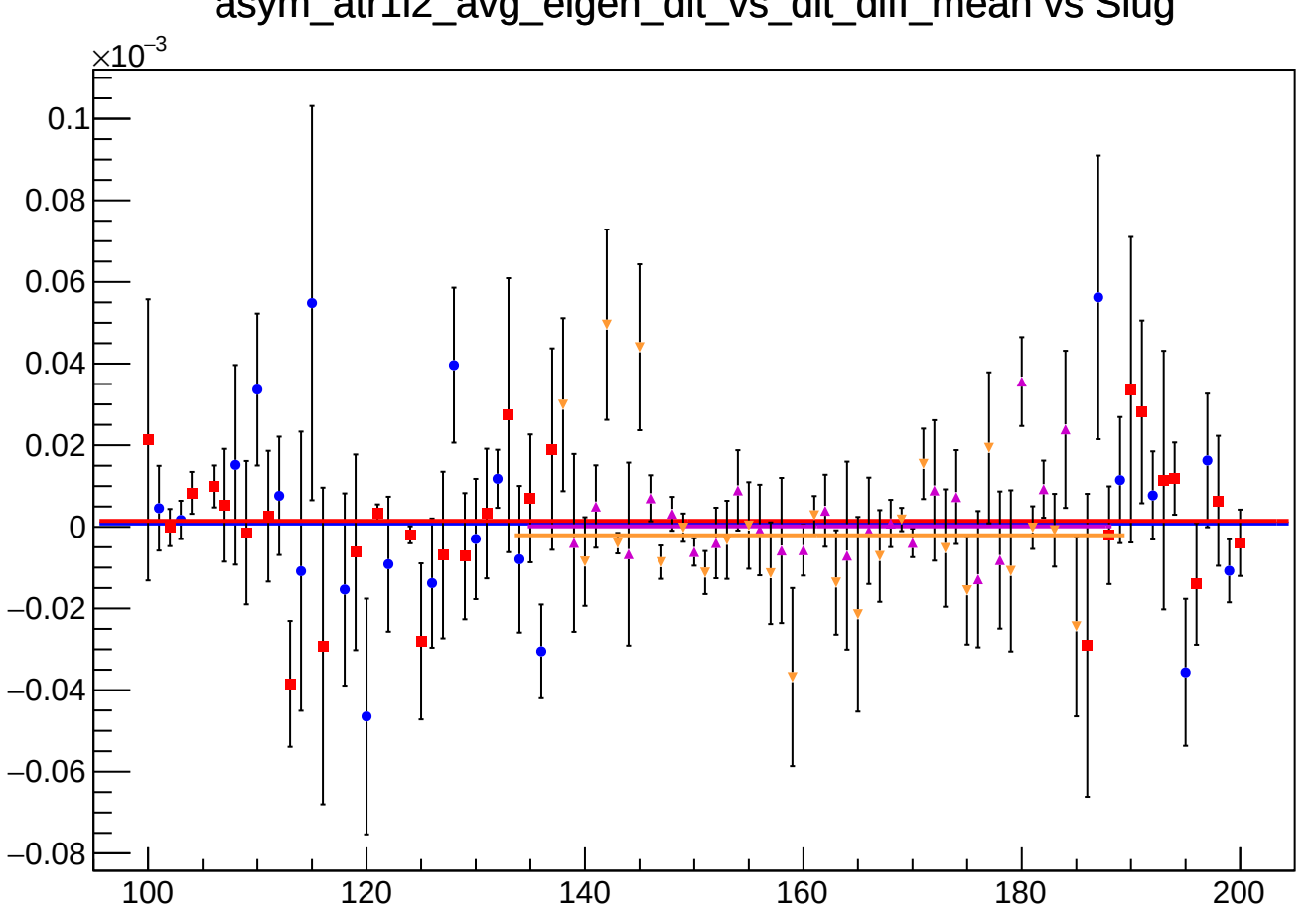
Right Out: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.974+/-0.030 χ^2/NDF: 14822558.2/46

All: 184.674+/-0.020 χ^2/NDF: 32237173.1/97

- sign 173.051+/-0.026 χ^2/NDF: 16965035.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

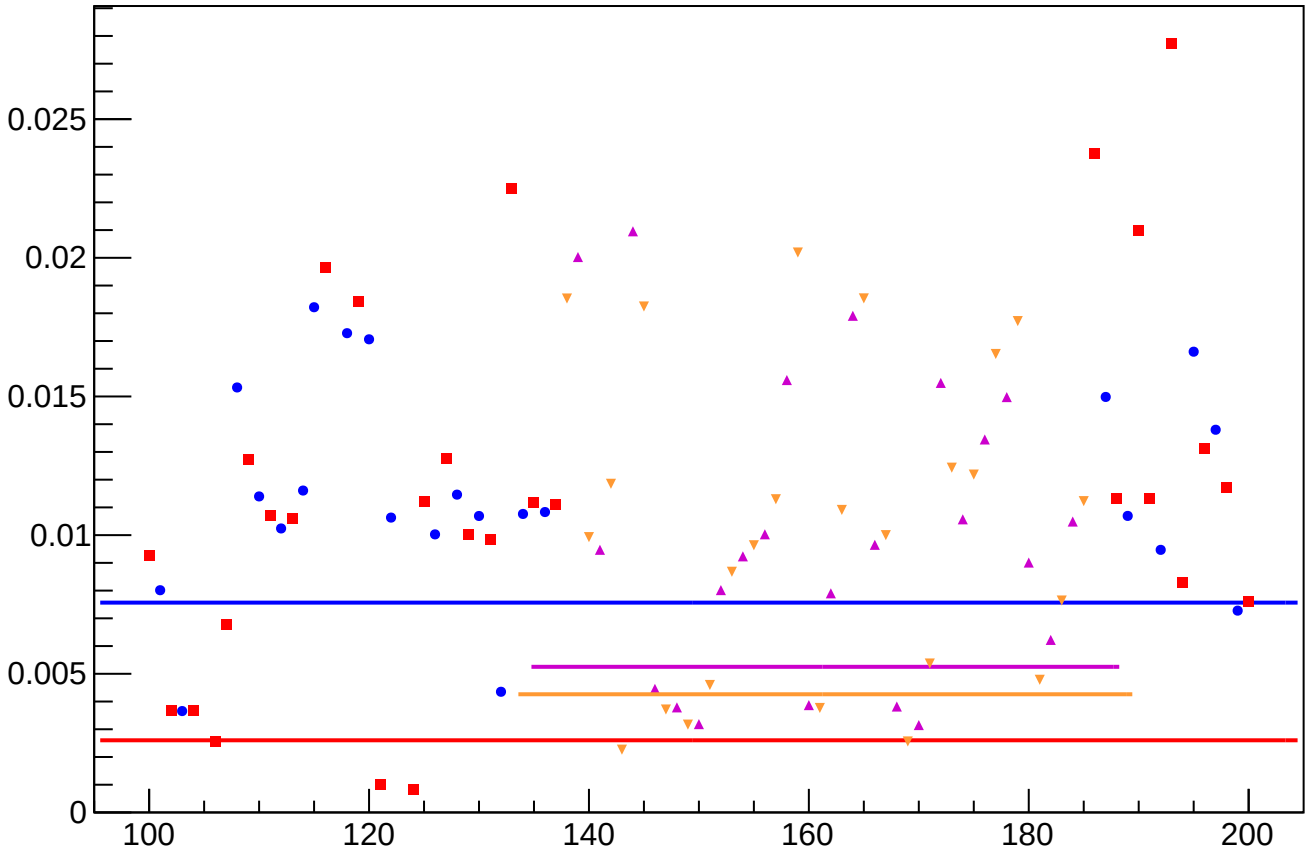
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/27

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/46

All: -0.000+/-0.000 χ^2/NDF: 124.8/97

- sign 0.000+/-0.000 χ^2/NDF: 51.6/50



Right In: 0.008+/-0.000 χ^2/NDF: 4380724.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

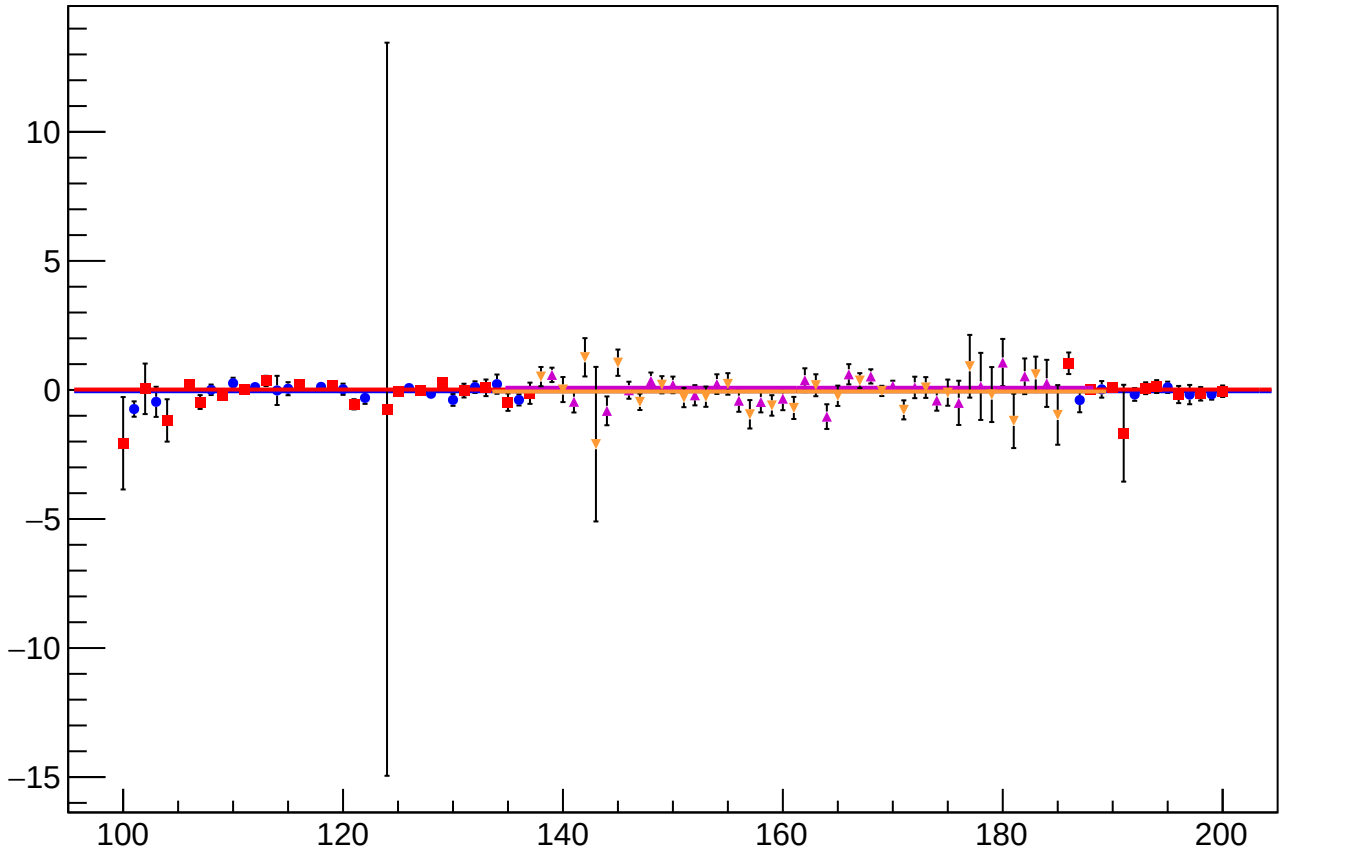
Right Out: 0.003+/-0.000 χ^2/NDF: 16409308.8/27

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 20017936.1/46

All: 0.004+/-0.000 χ^2/NDF: 51142567.1/97

- sign 0.004+/-0.000 χ^2/NDF: 29661491.5/50



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.016+/-0.042 χ^2/NDF: 36.8/27

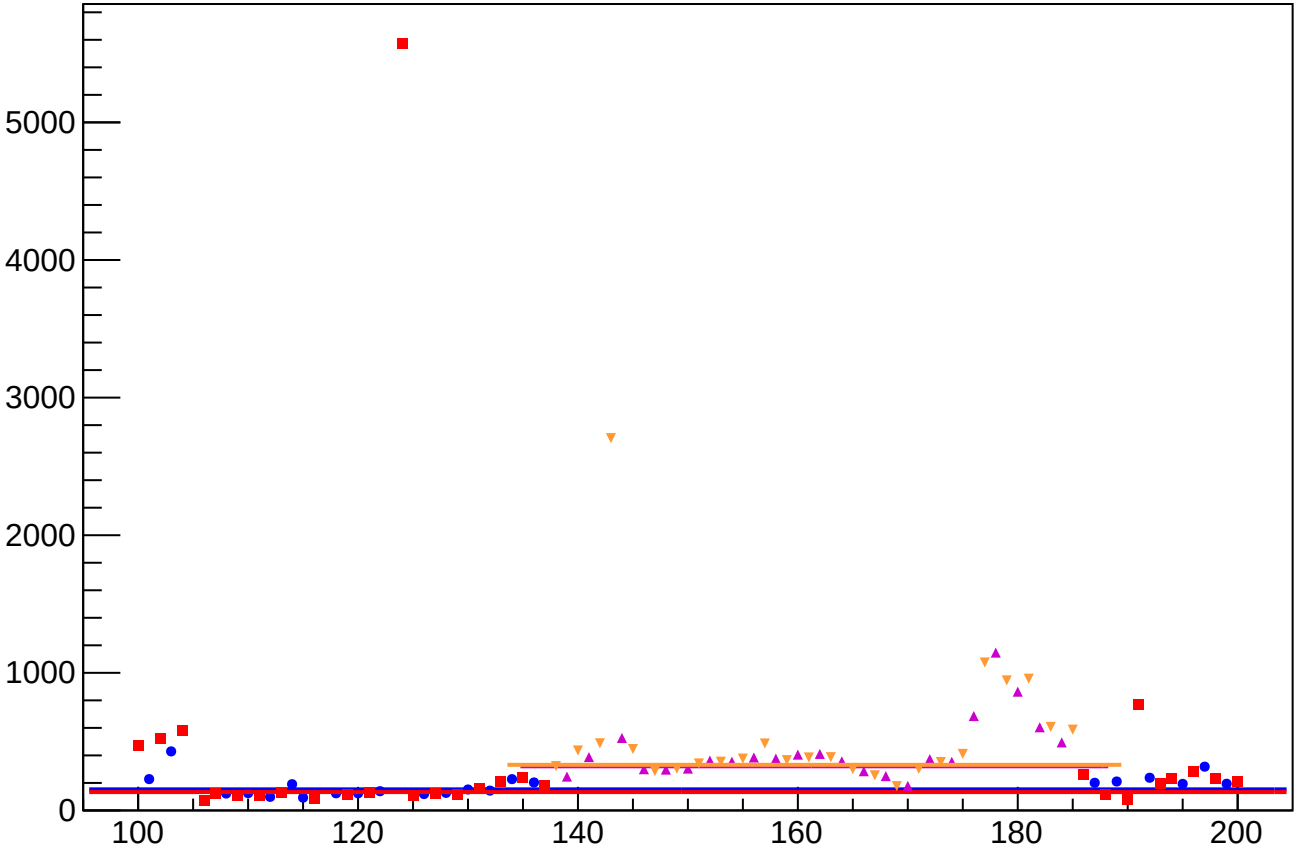
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.006+/-0.028 χ^2/NDF: 117.0/97

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

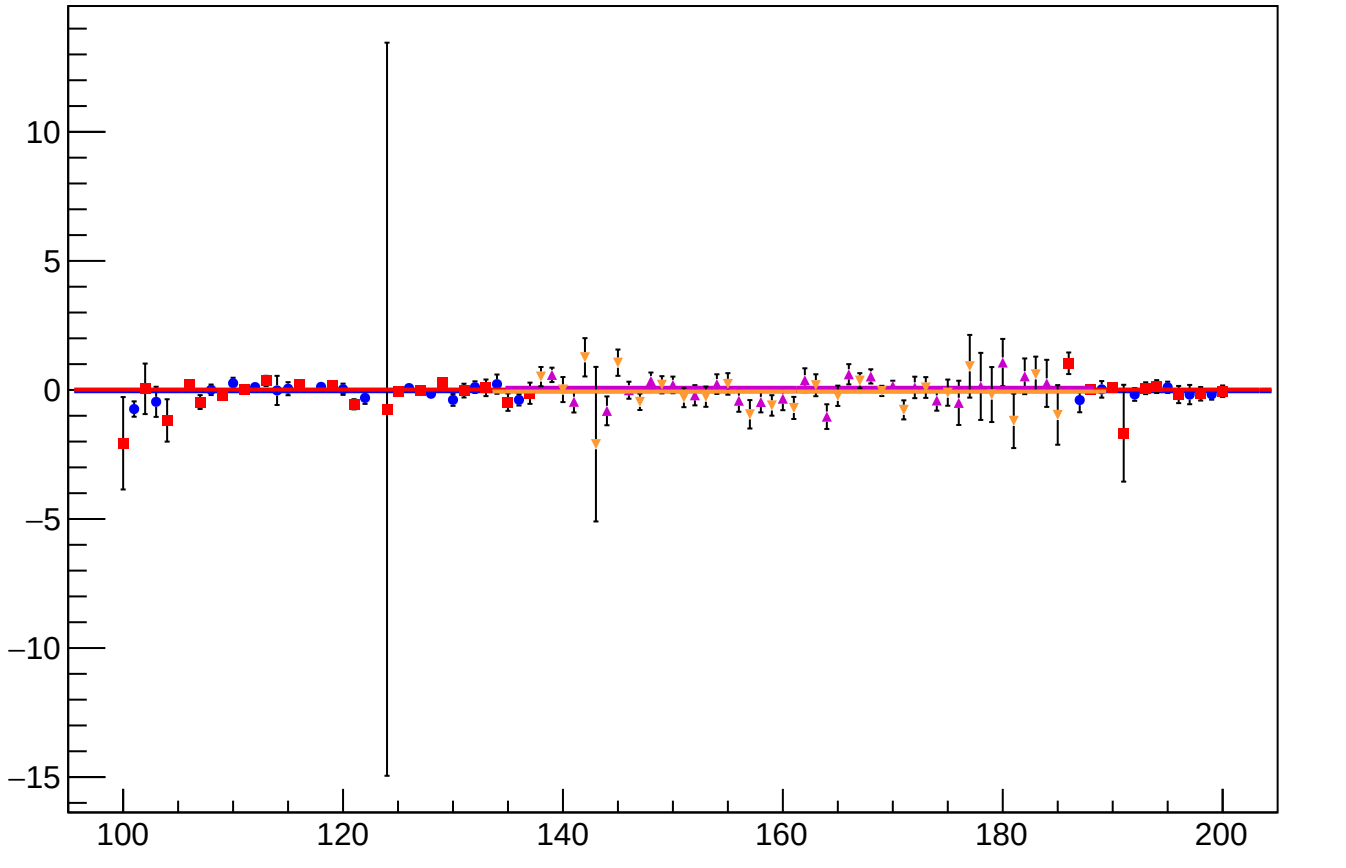
Right Out: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.975+/-0.030 χ^2/NDF: 14822532.8/46

All: 184.674+/-0.020 χ^2/NDF: 32237353.4/97

- sign 173.051+/-0.026 χ^2/NDF: 16965195.4/50



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

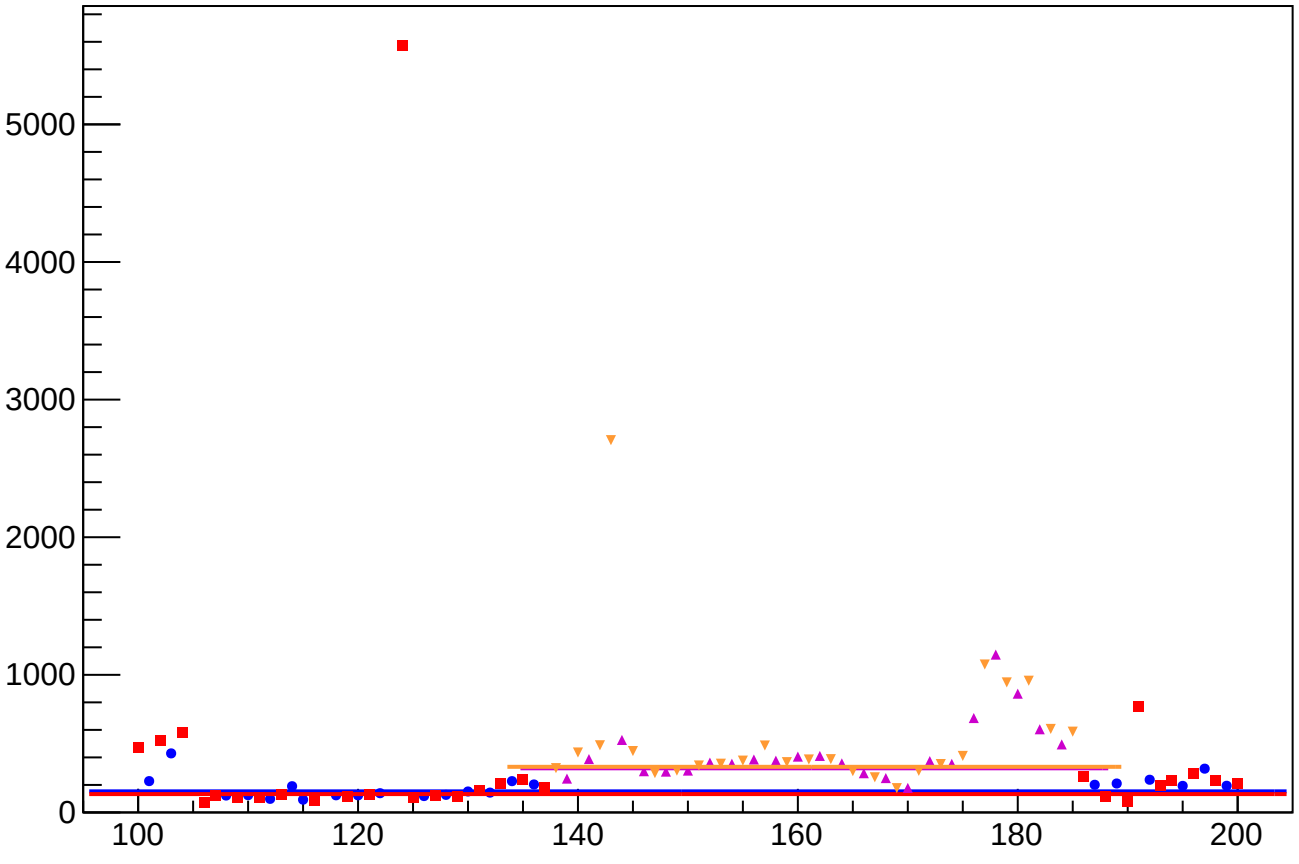
Right Out: 0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.006+/-0.028 χ^2/NDF: 117.0/97

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

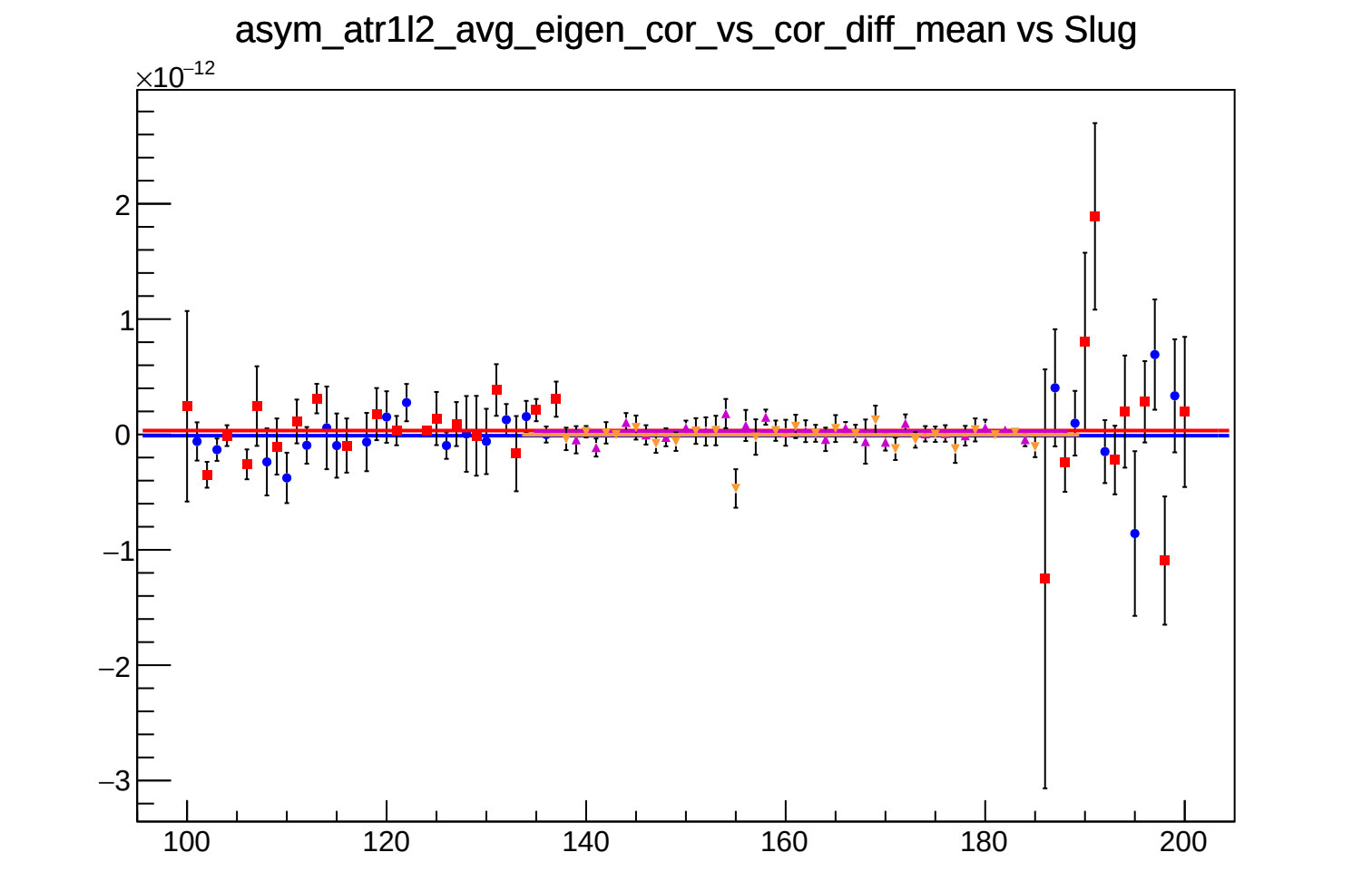
Right Out: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.975+/-0.030 χ^2/NDF: 14822532.8/46

All: 184.674+/-0.020 χ^2/NDF: 32237353.4/97

- sign 173.051+/-0.026 χ^2/NDF: 16965195.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/27

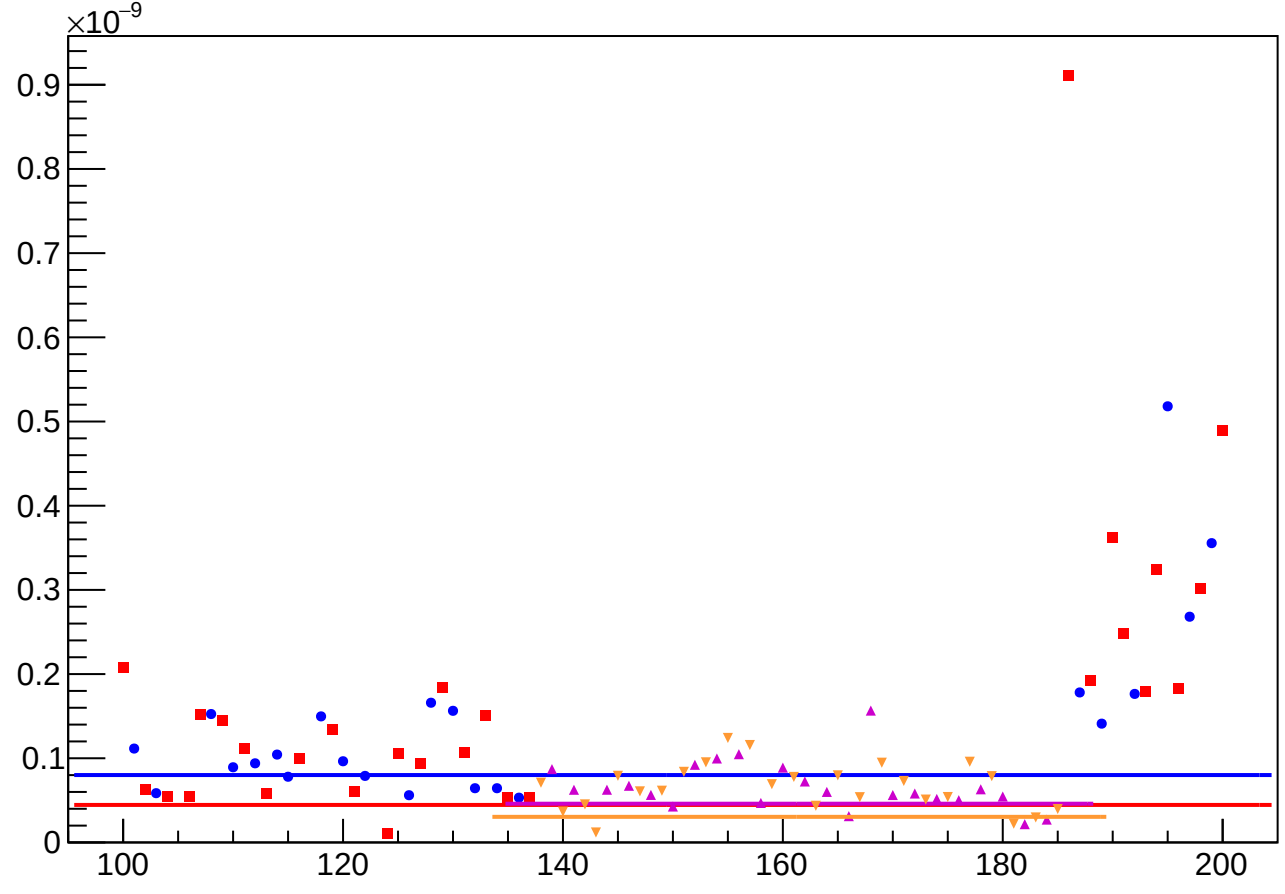
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/46

All: 0.000+/-0.000 χ^2/NDF: 101.2/97

- sign 0.000+/-0.000 χ^2/NDF: 62.7/50

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3319108.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8697109.3/27

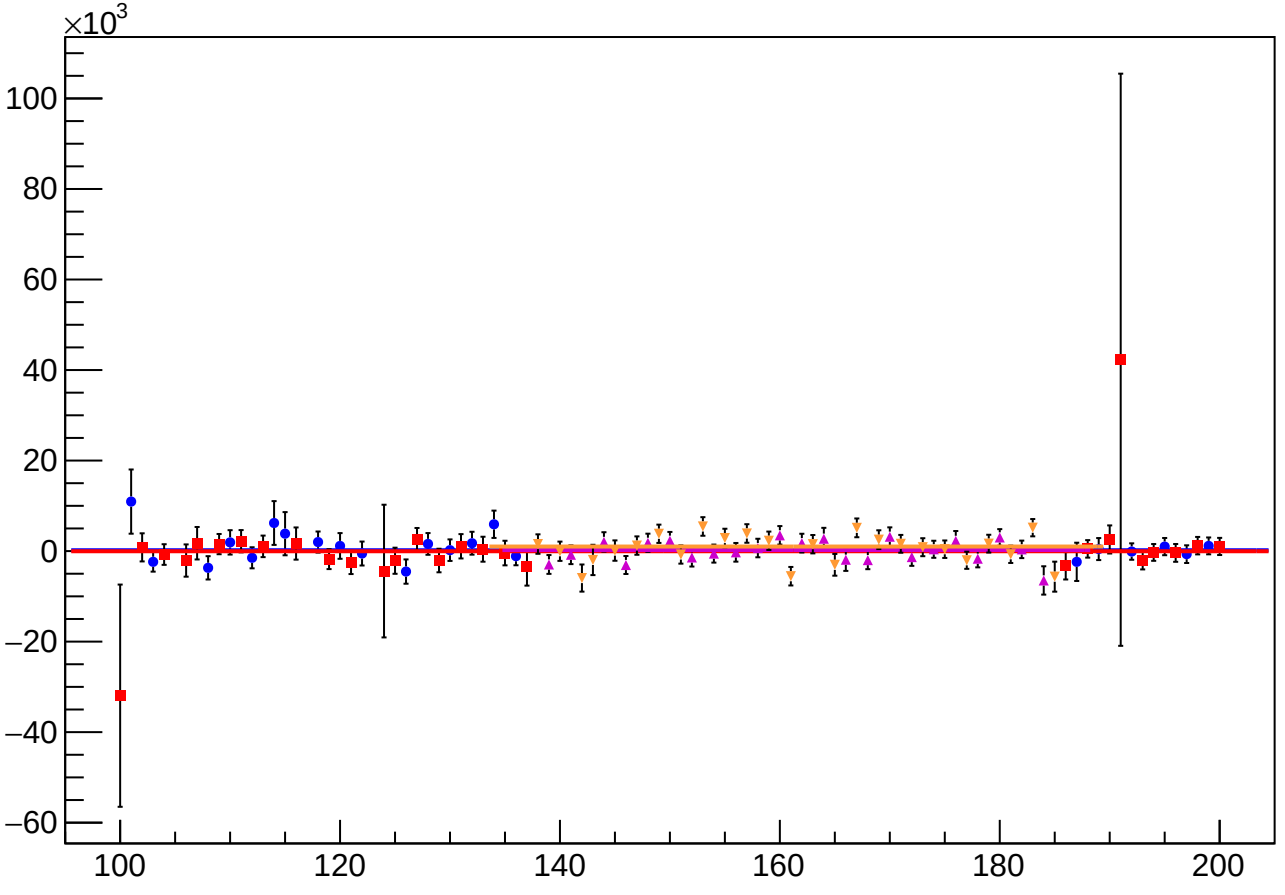
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17286736.6/46

All: 0.000+/-0.000 χ^2/NDF: 31840344.8/97

- sign 0.000+/-0.000 χ^2/NDF: 13601827.8/50

reg_asym_atr1l2_dd_mean vs Slug



Right In: 188.063+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -35.746+/-490.821 χ^2/NDF: 13.1/27

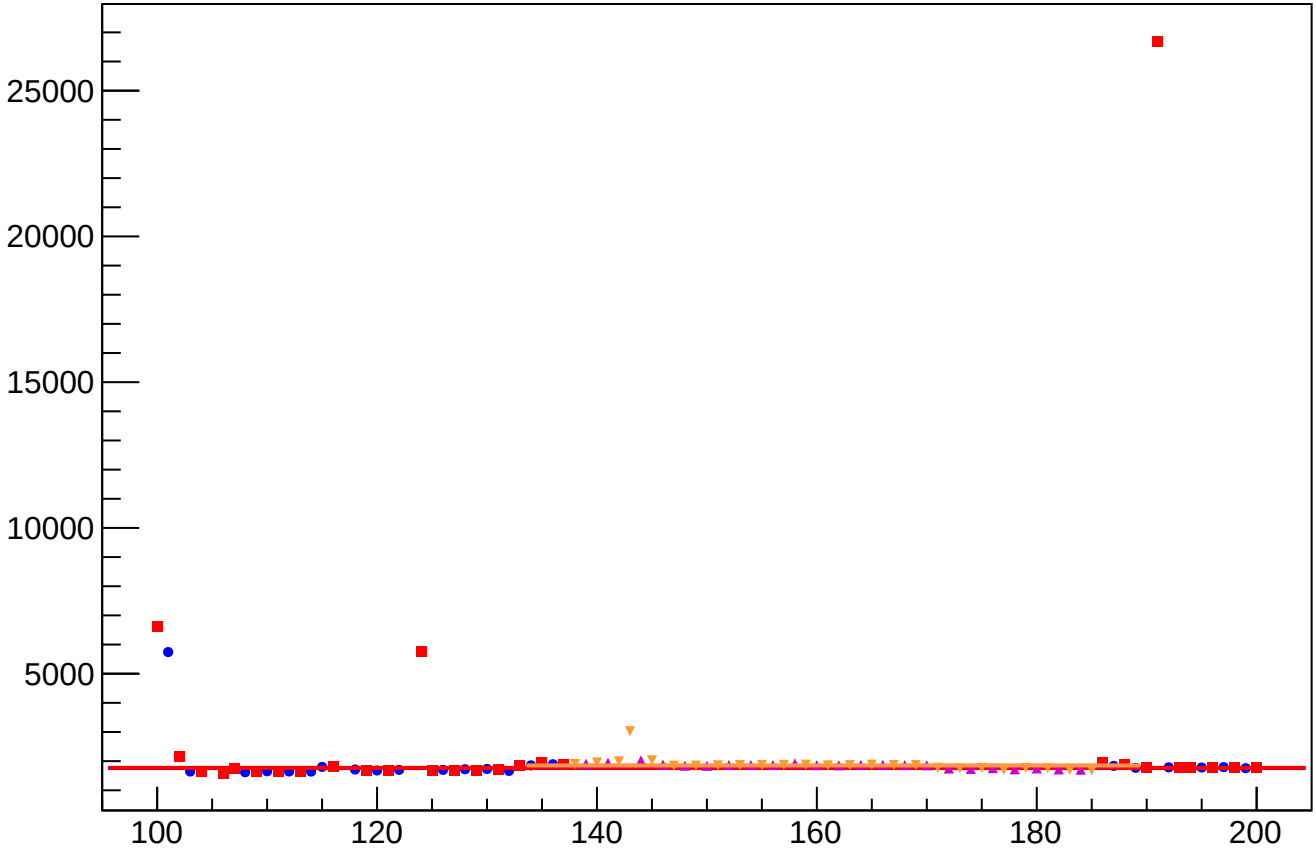
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 684.642+/-329.635 χ^2/NDF: 67.5/46

All: 393.949+/-230.817 χ^2/NDF: 108.7/97

- sign 114.311+/-323.306 χ^2/NDF: 39.6/50

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.3/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.122+/-0.346 χ^2/NDF: 637968.3/27

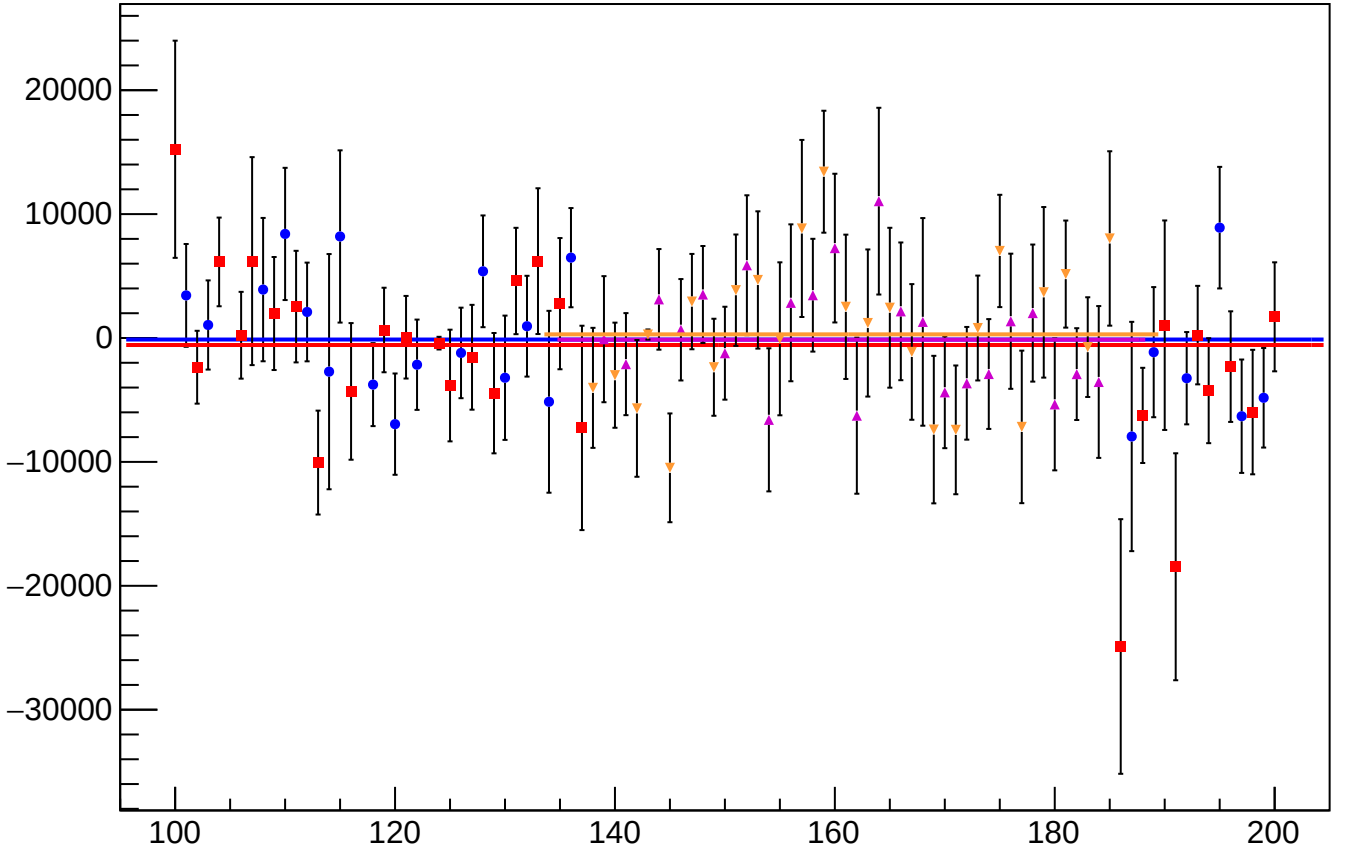
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029204.9/46

All: 1812.546+/-0.163 χ^2/NDF: 1759114.0/97

- sign 1808.272+/-0.228 χ^2/NDF: 729192.4/50

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -123.098+/-955.208 χ^2/NDF: 23.2/21

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -565.842+/-441.424 χ^2/NDF: 33.5/27

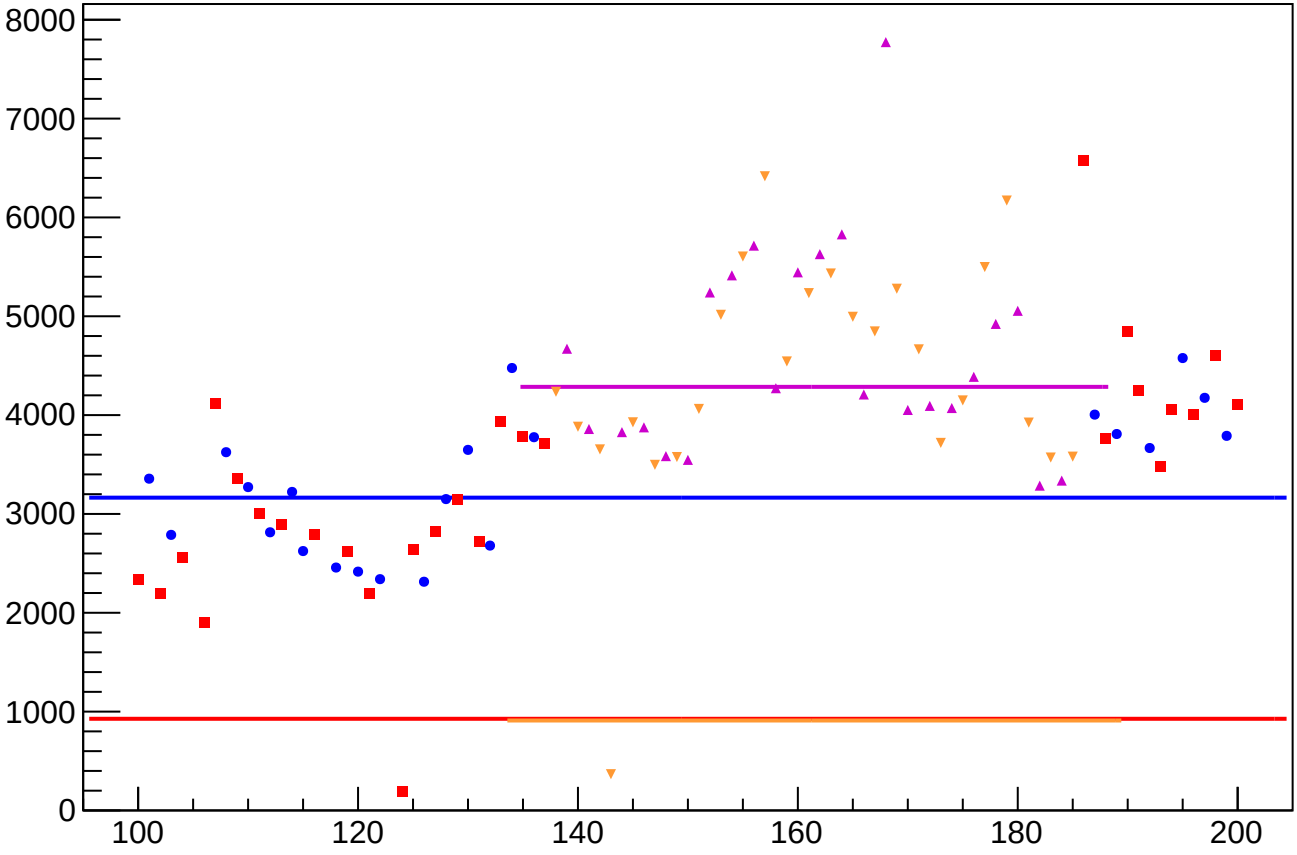
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 237.381+/-353.023 χ^2/NDF: 53.4/46

All: -80.173+/-266.201 χ^2/NDF: 102.9/97

- sign -498.734+/-405.298 χ^2/NDF: 47.6/50

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3164.785+/-0.675 χ^2/NDF: 986464.3/21

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 927.483+/-0.312 χ^2/NDF: 18062974.9/27

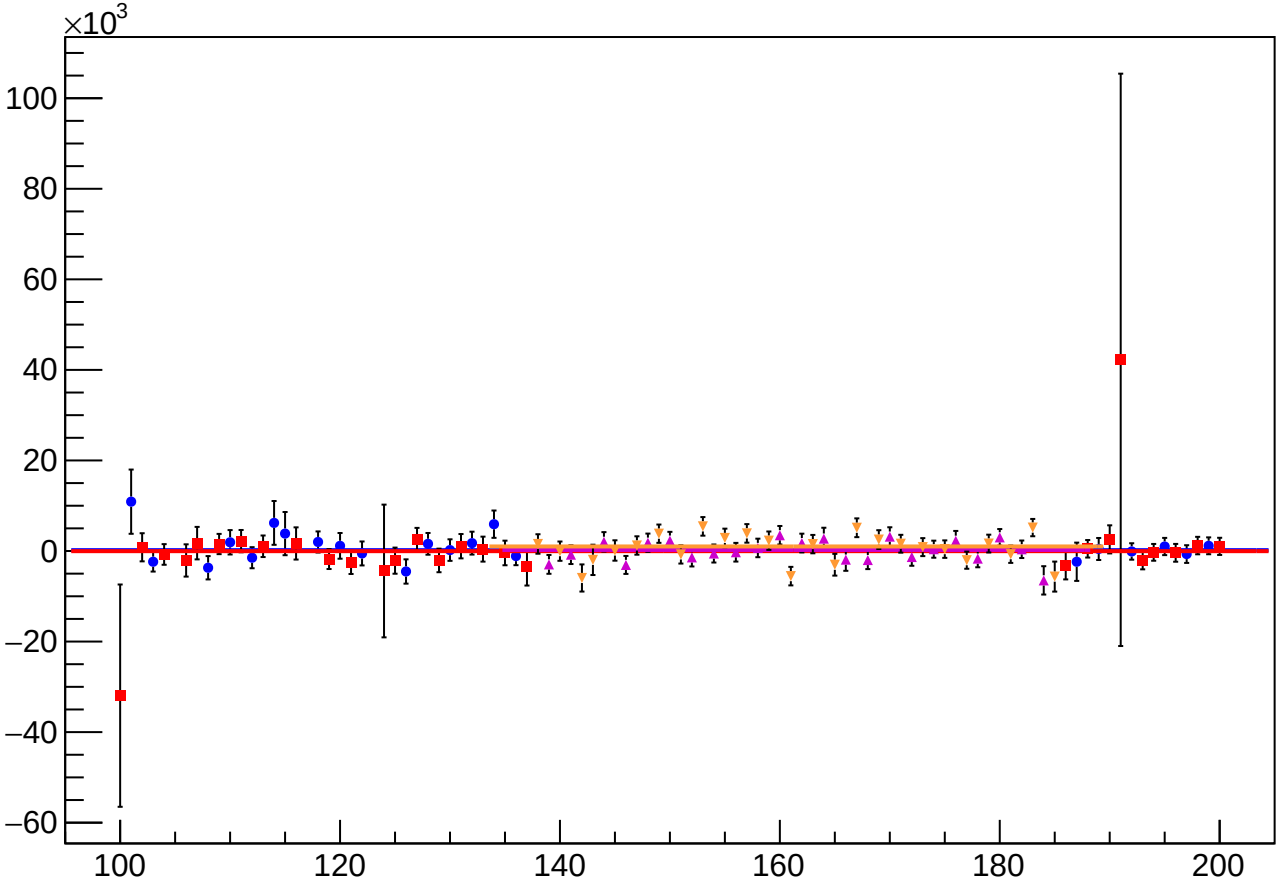
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1218.092+/-0.250 χ^2/NDF: 37381379.9/46

All: 1320.154+/-0.188 χ^2/NDF: 75332452.6/9

- sign 1454.680+/-0.287 χ^2/NDF: 37563565.9/50

cor_asym_atr1l2_dd_mean vs Slug



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -35.726+/-490.821 χ^2/NDF: 13.1/27

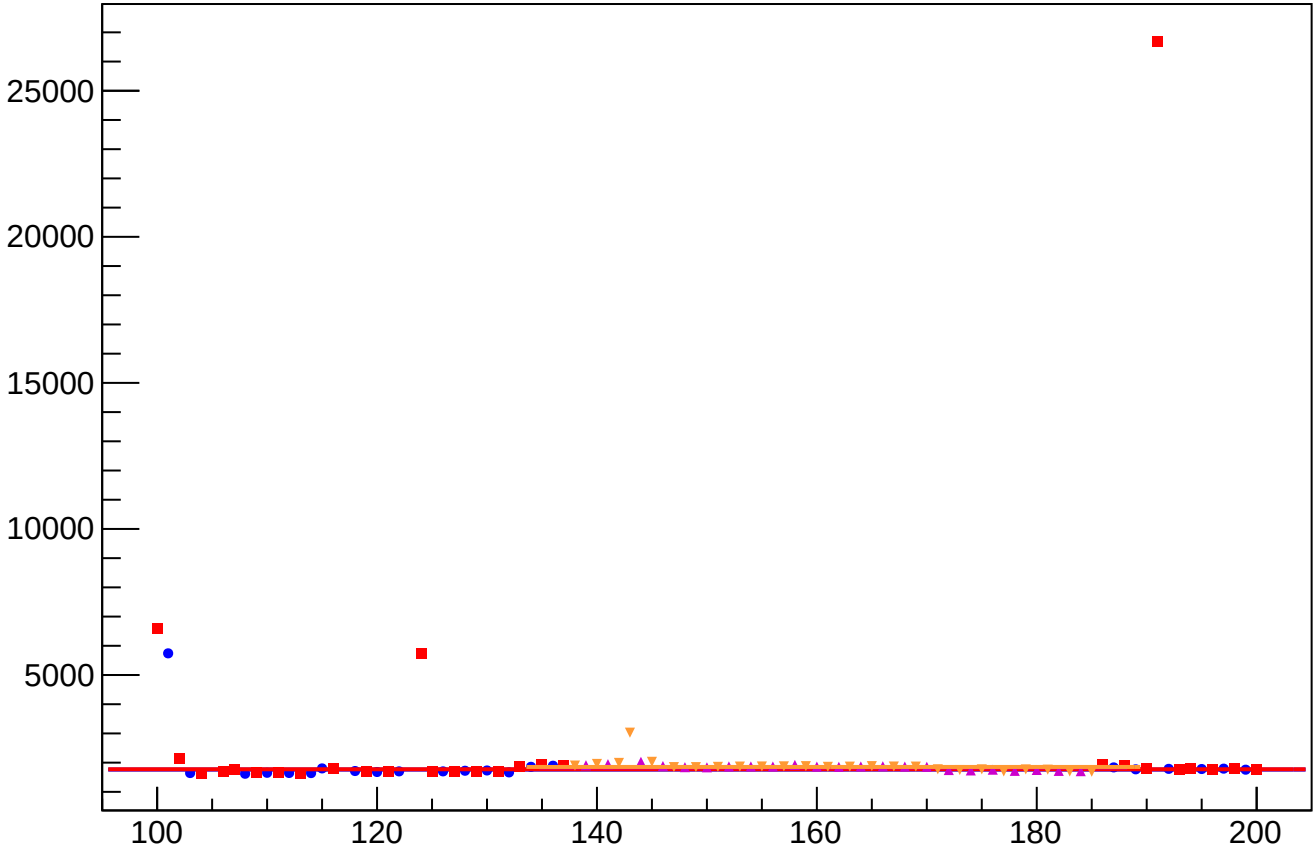
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 684.525+/-329.635 χ^2/NDF: 67.5/46

All: 393.871+/-230.817 χ^2/NDF: 108.6/97

- sign 114.272+/-323.306 χ^2/NDF: 39.6/50

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

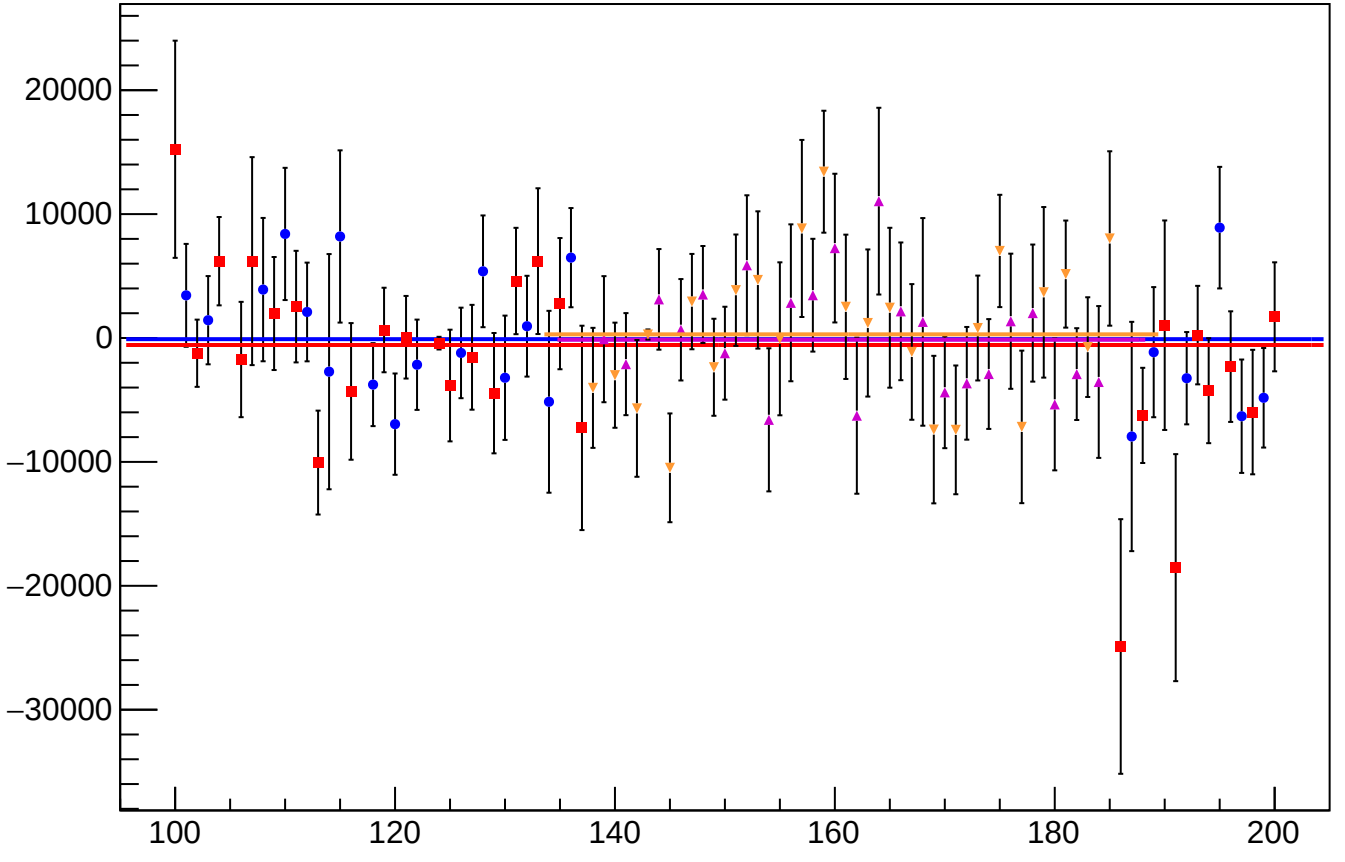
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029205.2/46

All: 1813.450+/-0.163 χ^2/NDF: 1747939.6/97

- sign 1810.035+/-0.228 χ^2/NDF: 718278.1/50

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -564.646+/-442.242 χ^2/NDF: 33.3/27

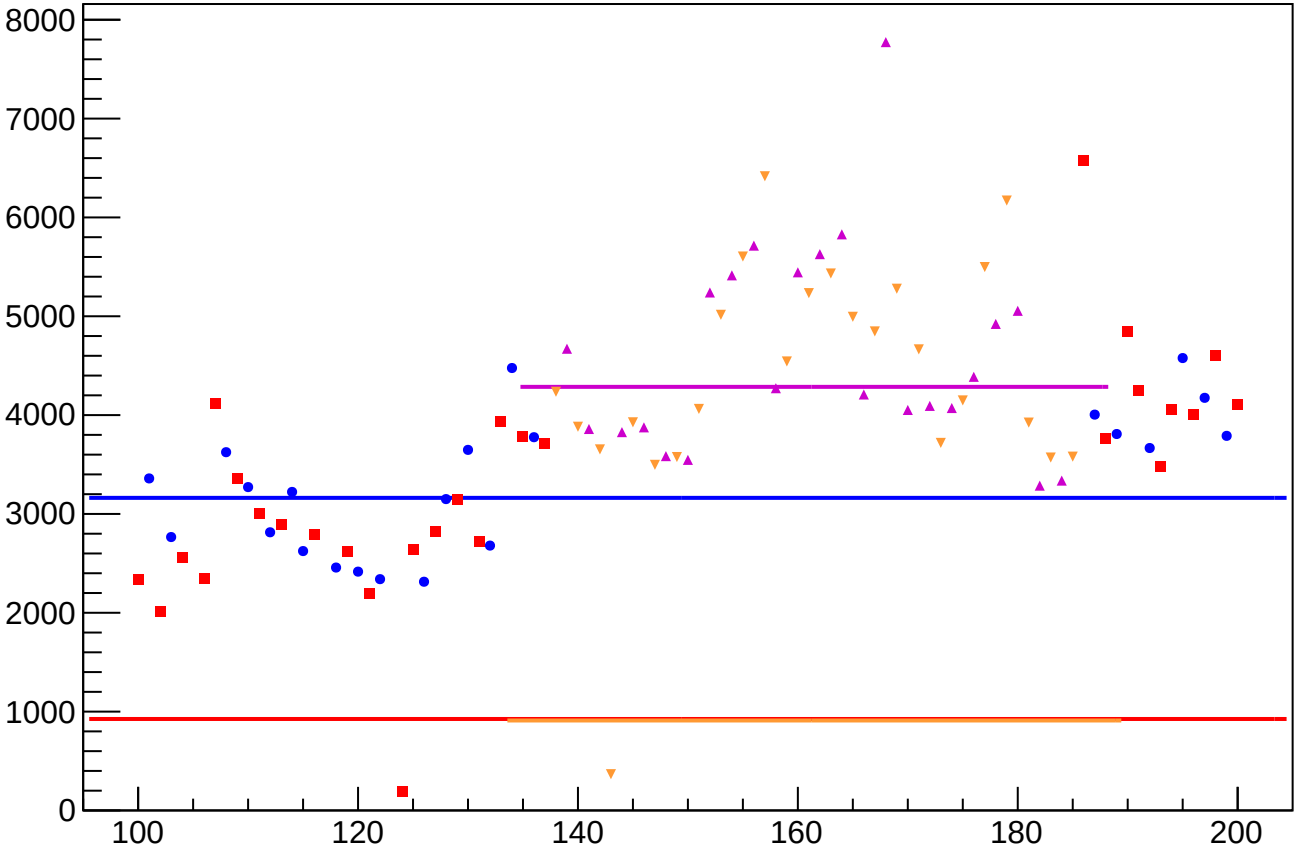
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 242.116+/-353.012 χ^2/NDF: 53.5/46

All: -76.372+/-266.376 χ^2/NDF: 102.8/97

- sign -497.504+/-405.931 χ^2/NDF: 47.4/50

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

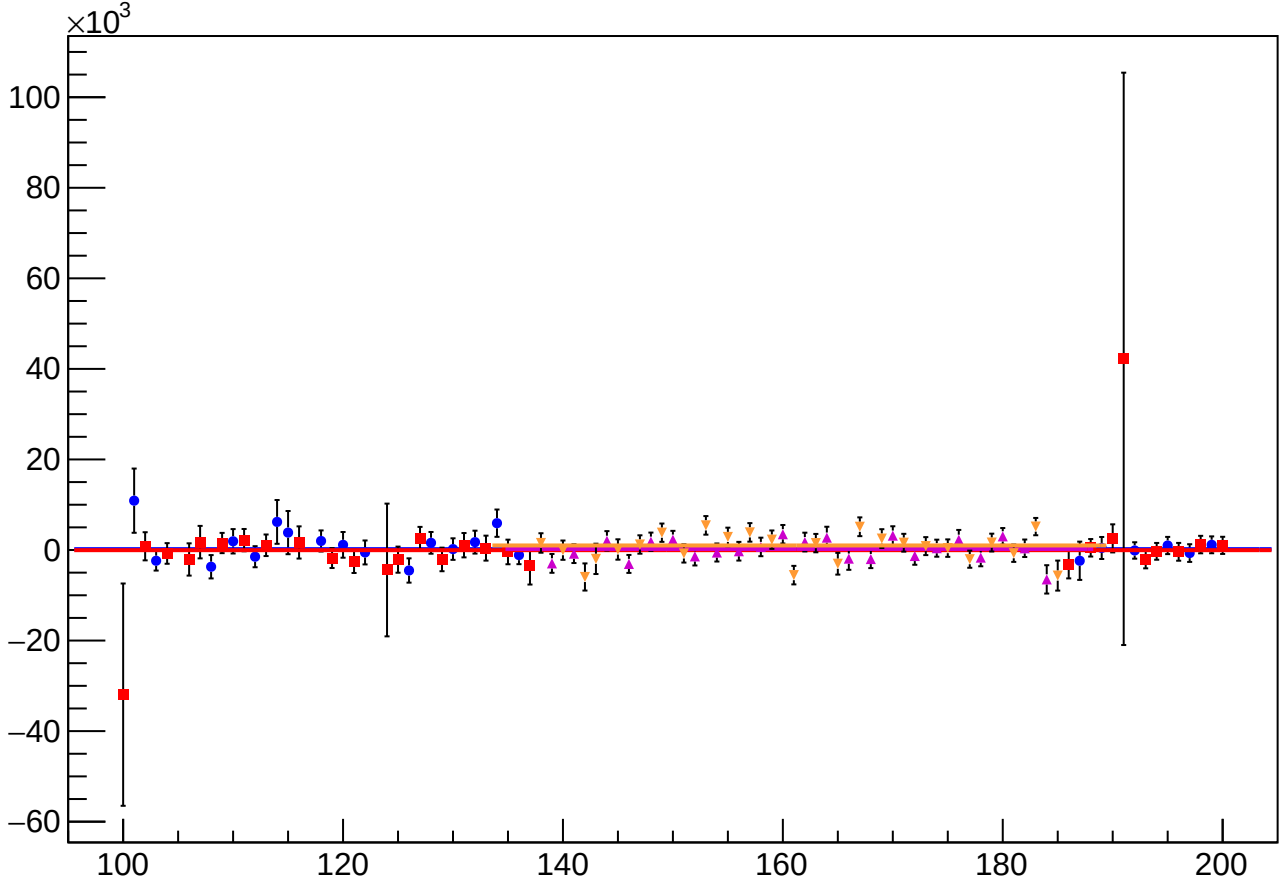
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1218.336+/-0.250 χ^2/NDF: 37376773.4/46

All: 1320.108+/-0.188 χ^2/NDF: 75305641.5/9

- sign 1454.680+/-0.287 χ^2/NDF: 37542834.3/50

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -35.726+/-490.821 χ^2/NDF: 13.1/27

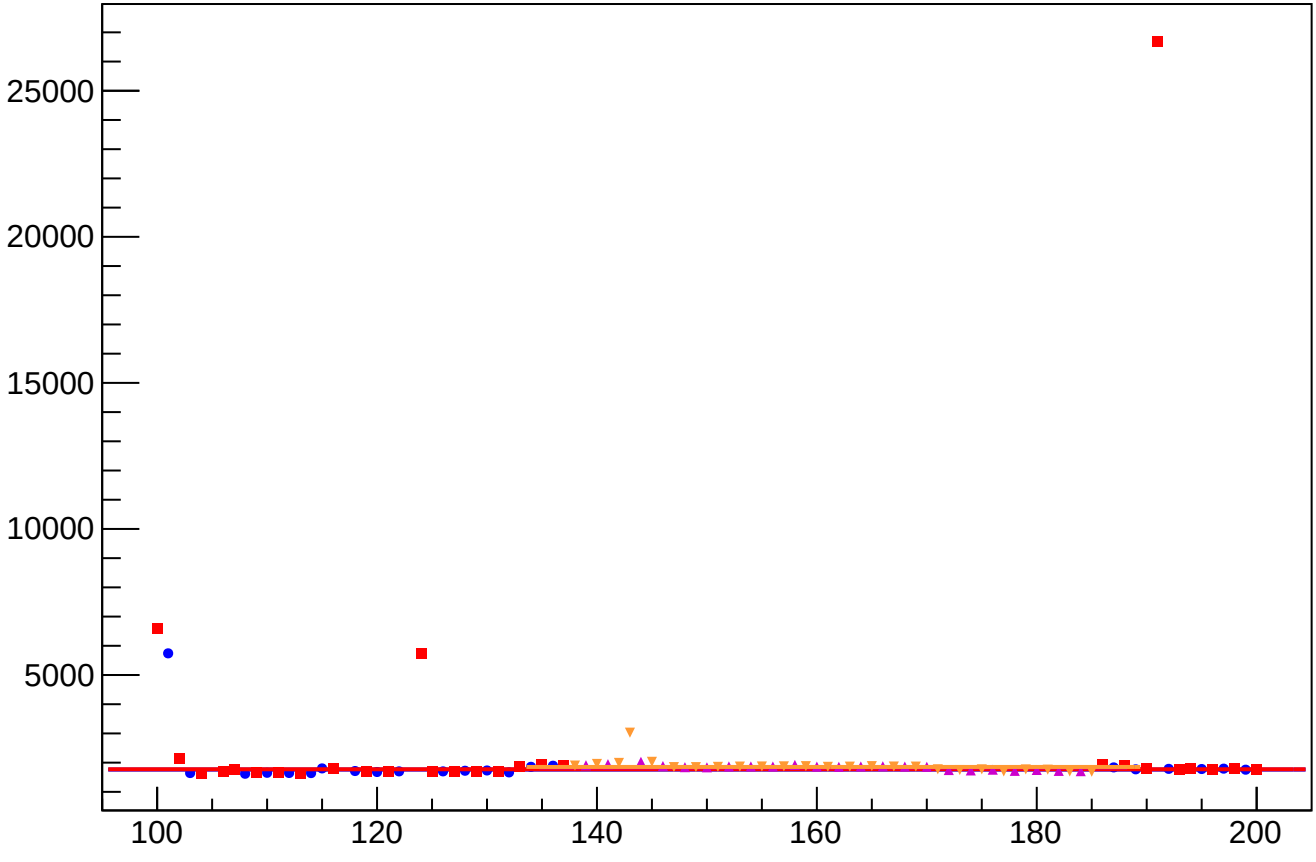
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 684.525+/-329.635 χ^2/NDF: 67.5/46

All: 393.871+/-230.817 χ^2/NDF: 108.6/97

- sign 114.272+/-323.306 χ^2/NDF: 39.6/50

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

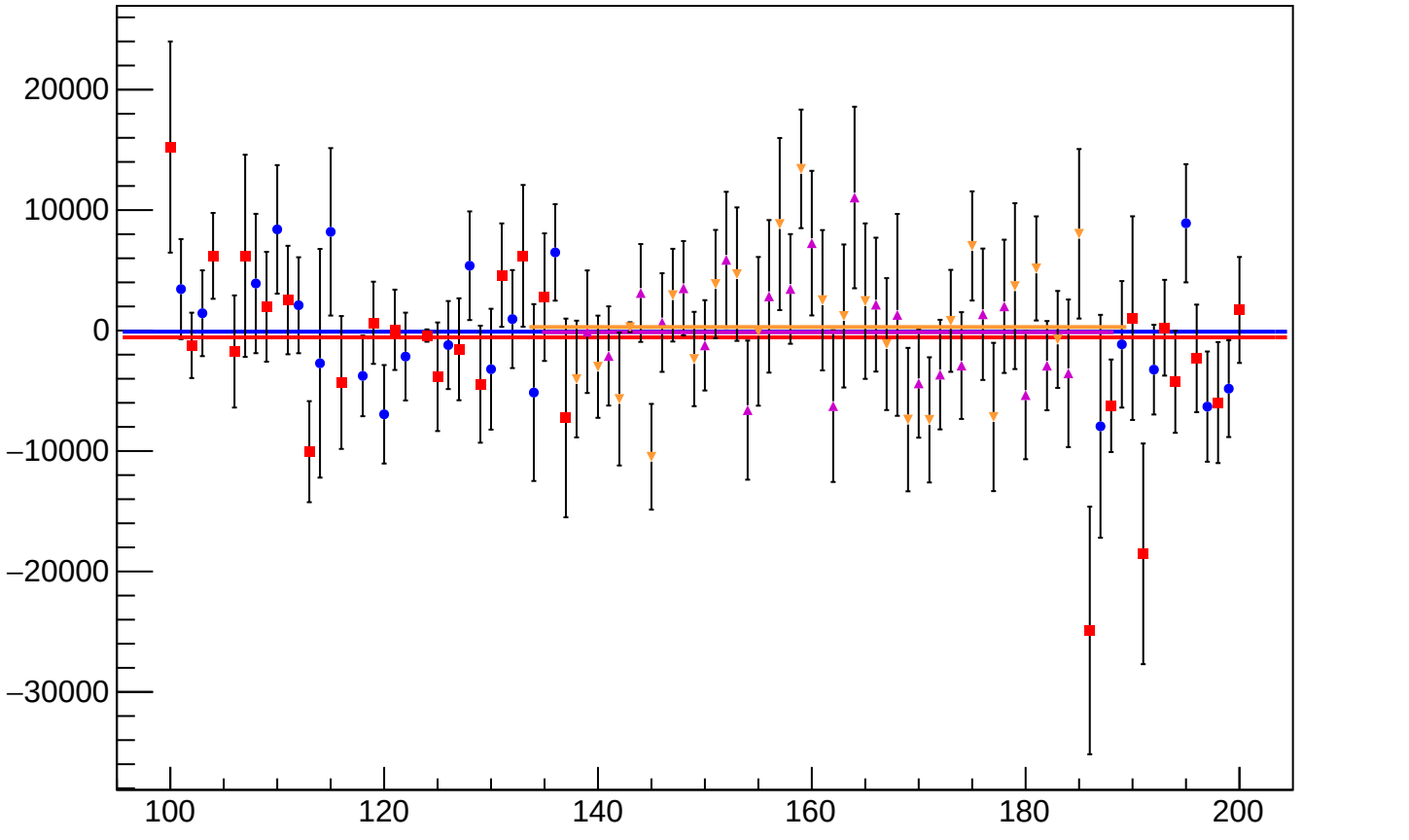
Right Out: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029205.2/46

All: 1813.450+/-0.163 χ^2/NDF: 1747939.6/97

- sign 1810.035+/-0.228 χ^2/NDF: 718278.1/50



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -564.646+/-442.242 χ^2/NDF: 33.3/27

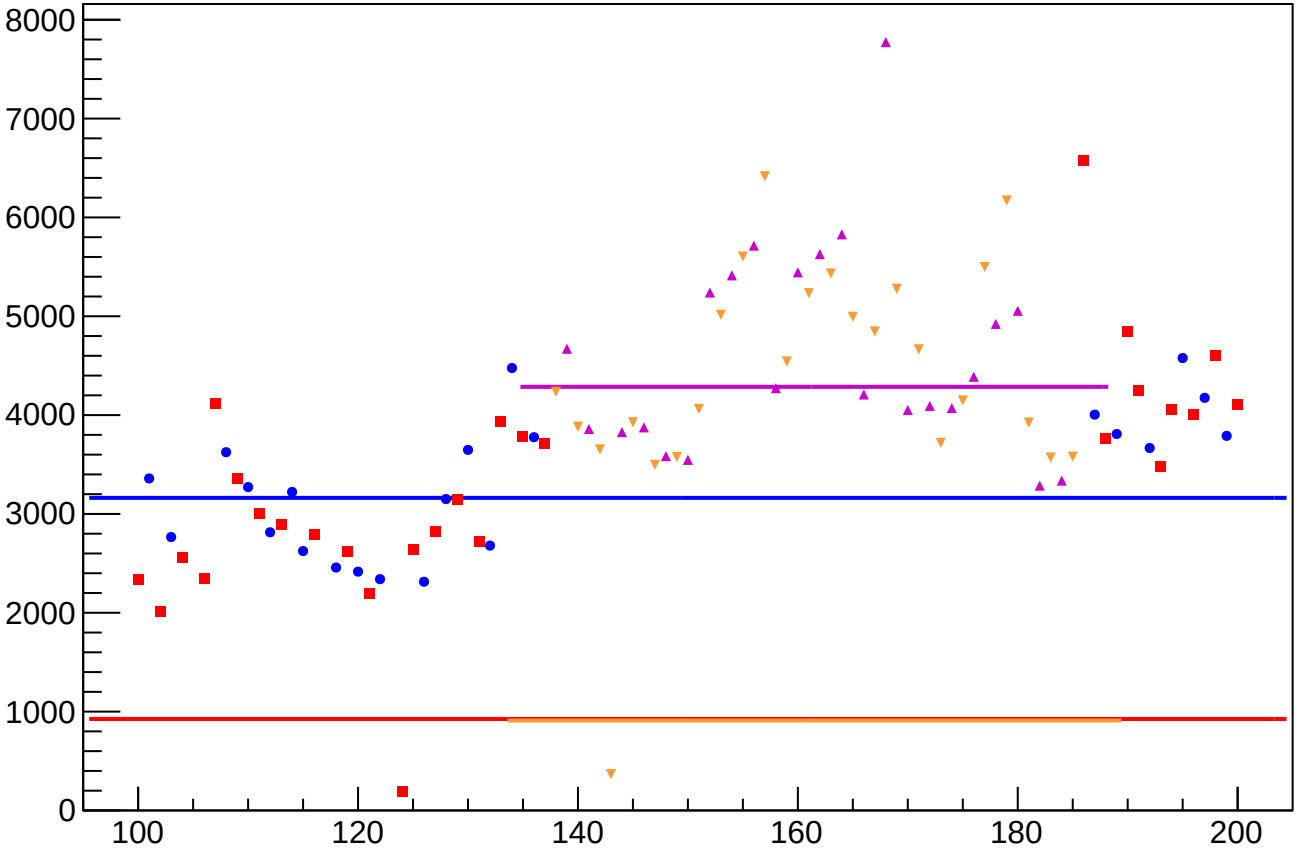
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 242.116+/-353.012 χ^2/NDF: 53.5/46

All: -76.372+/-266.376 χ^2/NDF: 102.8/97

- sign -497.504+/-405.931 χ^2/NDF: 47.4/50

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

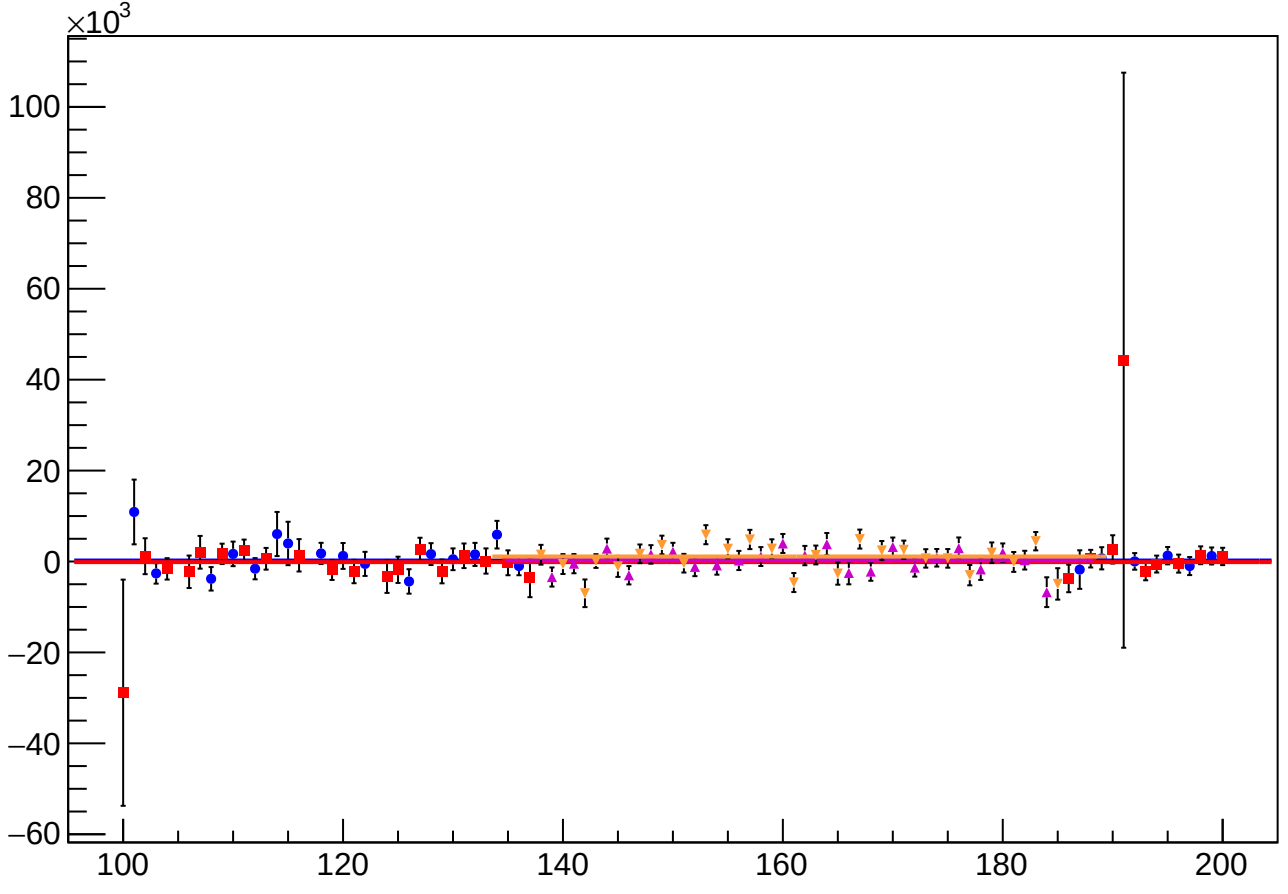
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1218.336+/-0.250 χ^2/NDF: 37376773.4/46

All: 1320.108+/-0.188 χ^2/NDF: 75305641.5/9

- sign 1454.680+/-0.287 χ^2/NDF: 37542834.3/50

dit_asym_atr1l2_dd_mean vs Slug



Right In: 216.408+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -135.213+/-491.845 χ^2/NDF: 14.6/27

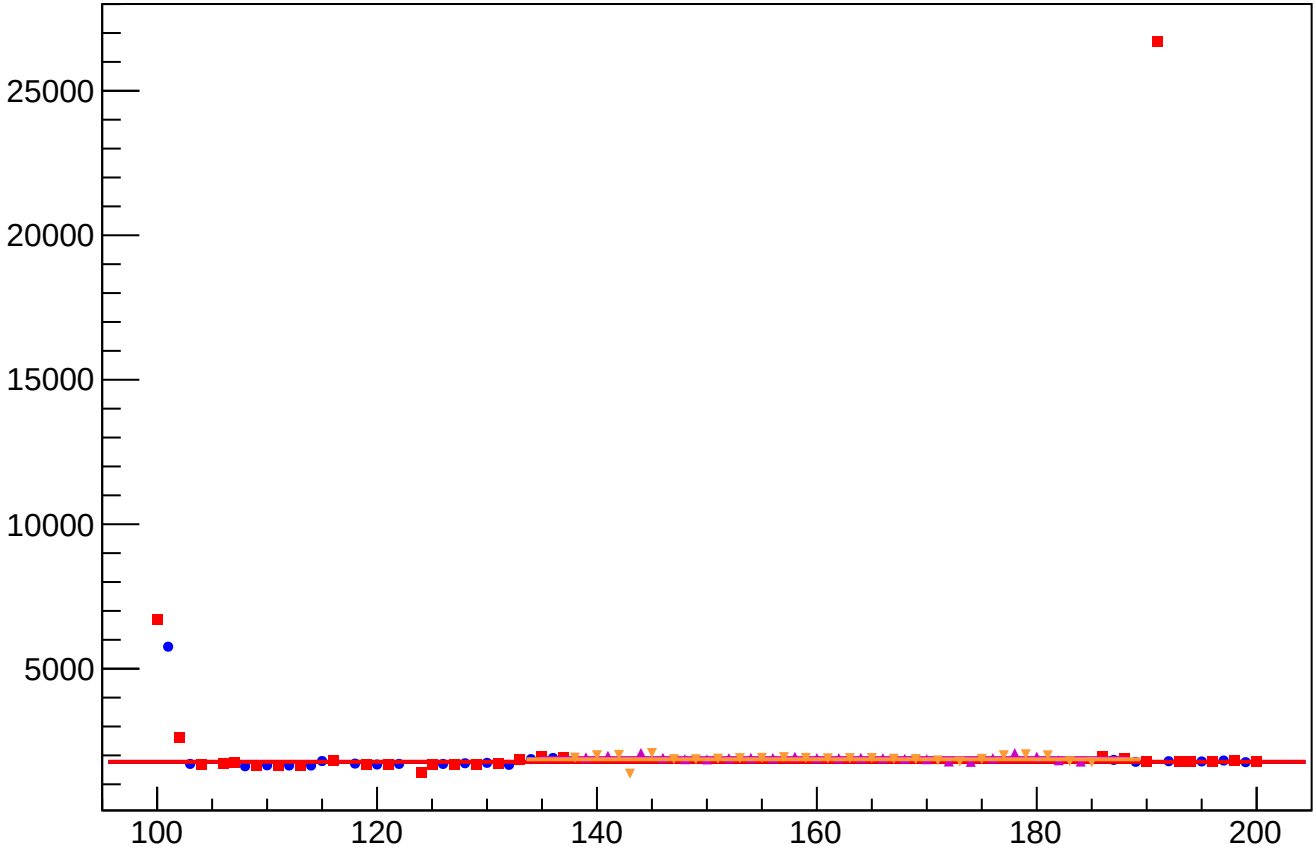
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 756.221+/-331.818 χ^2/NDF: 65.0/46

All: 418.637+/-234.031 χ^2/NDF: 109.7/97

- sign 84.484+/-330.128 χ^2/NDF: 42.7/50

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

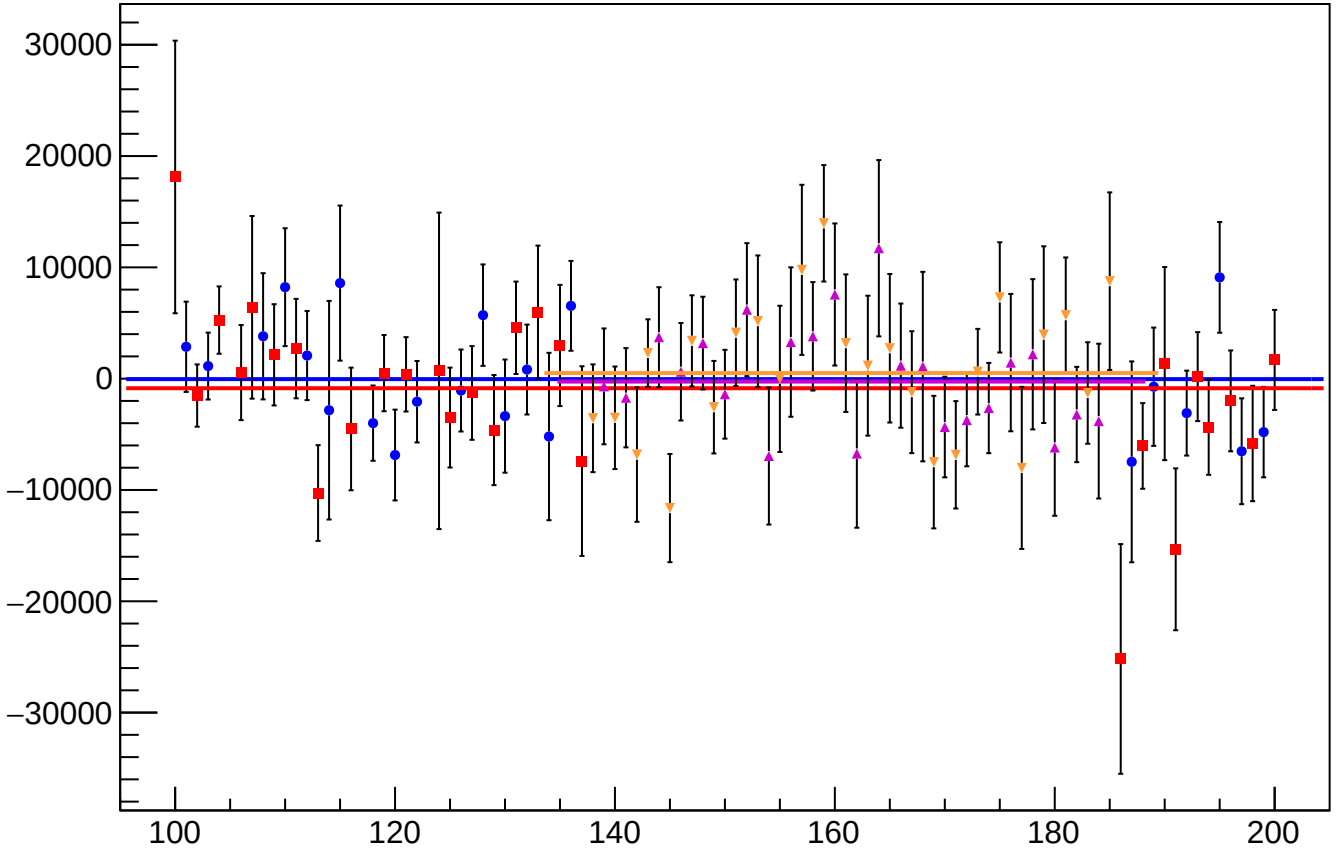
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1829.243+/-0.235 χ^2/NDF: 1001095.8/46

All: 1838.470+/-0.165 χ^2/NDF: 1693826.4/97

- sign 1847.590+/-0.233 χ^2/NDF: 689655.5/50

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -39.485+/-946.314 χ^2/NDF: 23.1/21

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -859.684+/-869.903 χ^2/NDF: 32.5/27

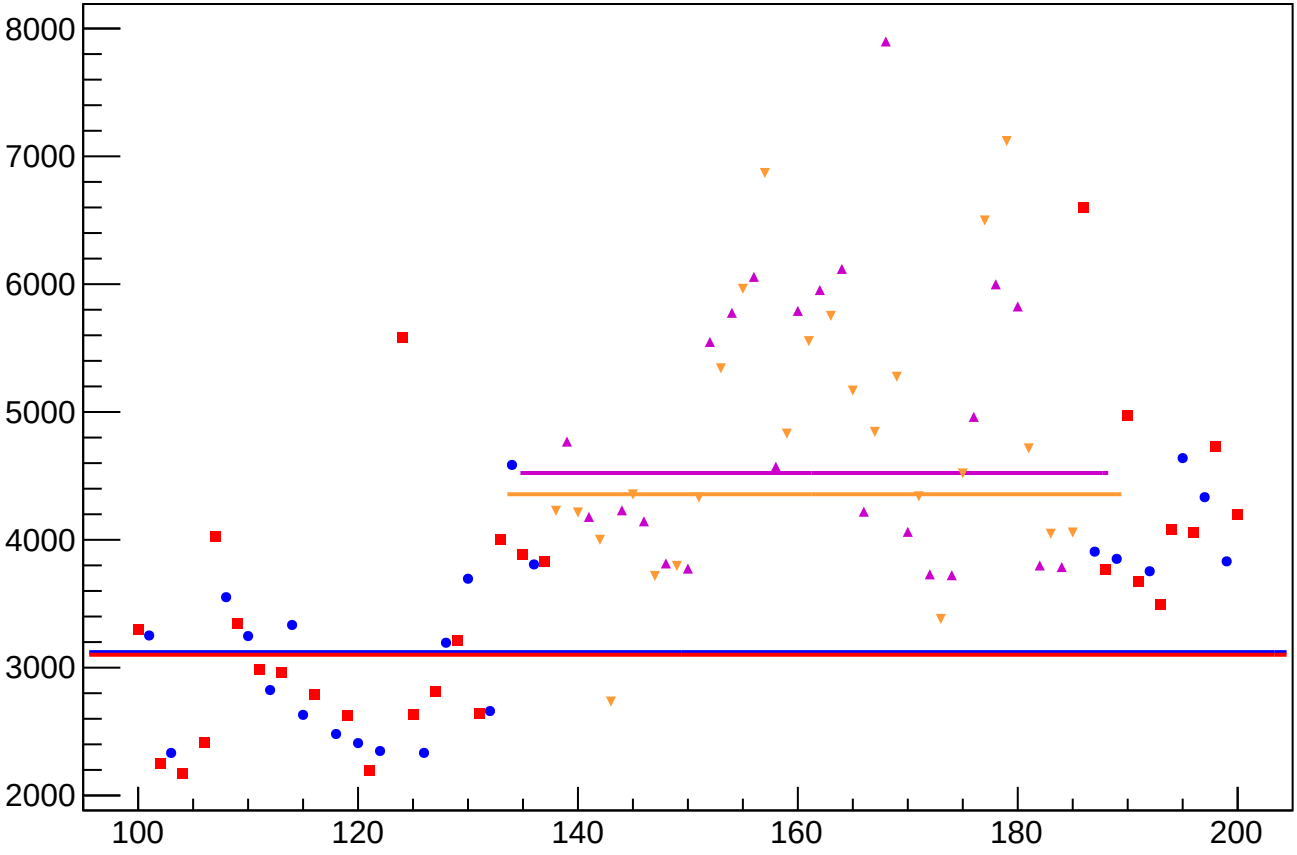
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 211.595+/-694.263 χ^2/NDF: 53.4/46

All: -216.473+/-484.999 χ^2/NDF: 100.4/97

- sign -624.499+/-677.816 χ^2/NDF: 46.3/50

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3121.346+/-0.669 χ^2/NDF: 1158688.3/21

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3100.938+/-0.615 χ^2/NDF: 1799405.1/27

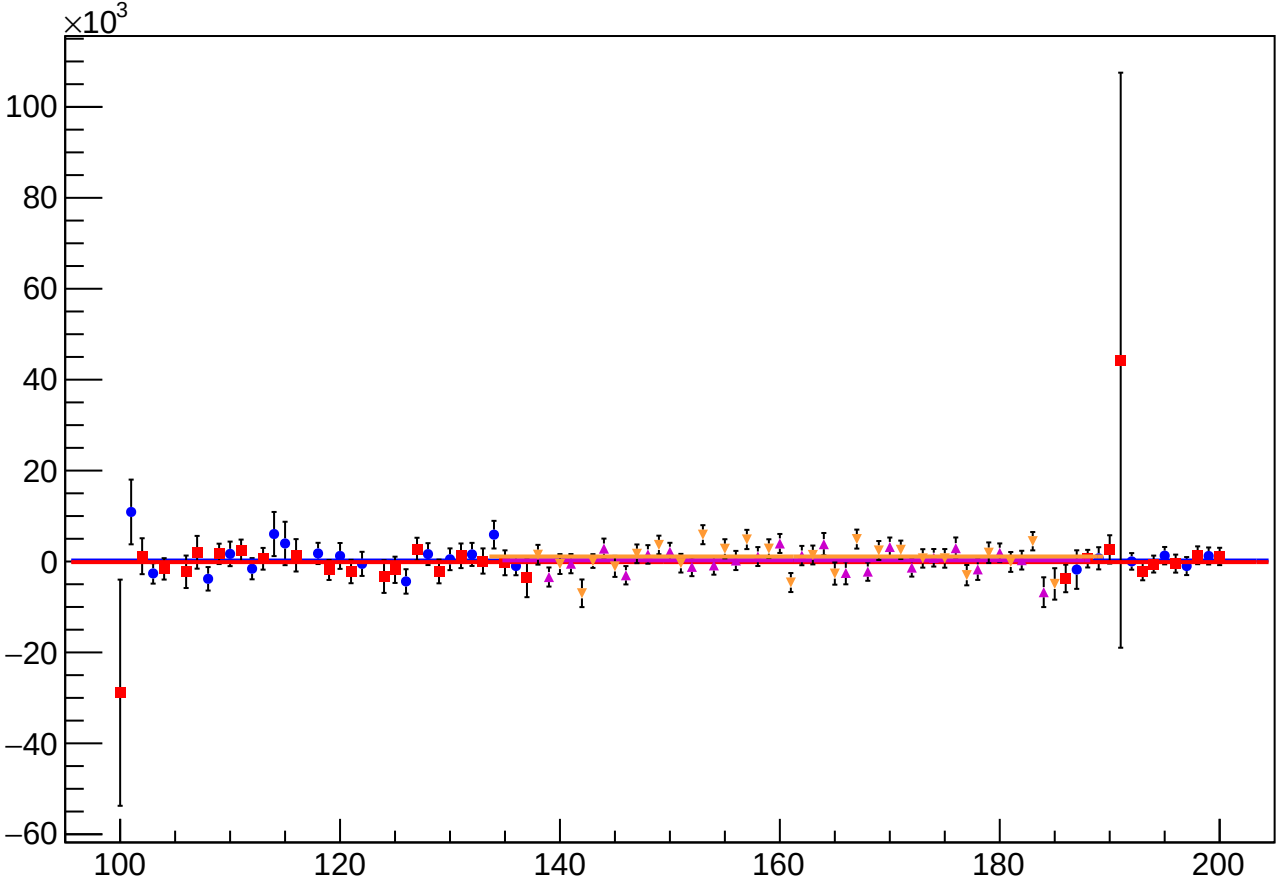
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3691.755+/-0.491 χ^2/NDF: 4644694.7/46

All: 3675.261+/-0.343 χ^2/NDF: 9979467.1/97

- sign 3659.540+/-0.479 χ^2/NDF: 5332567.7/50

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 216.409+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -135.210+/-491.845 χ^2/NDF: 14.6/27

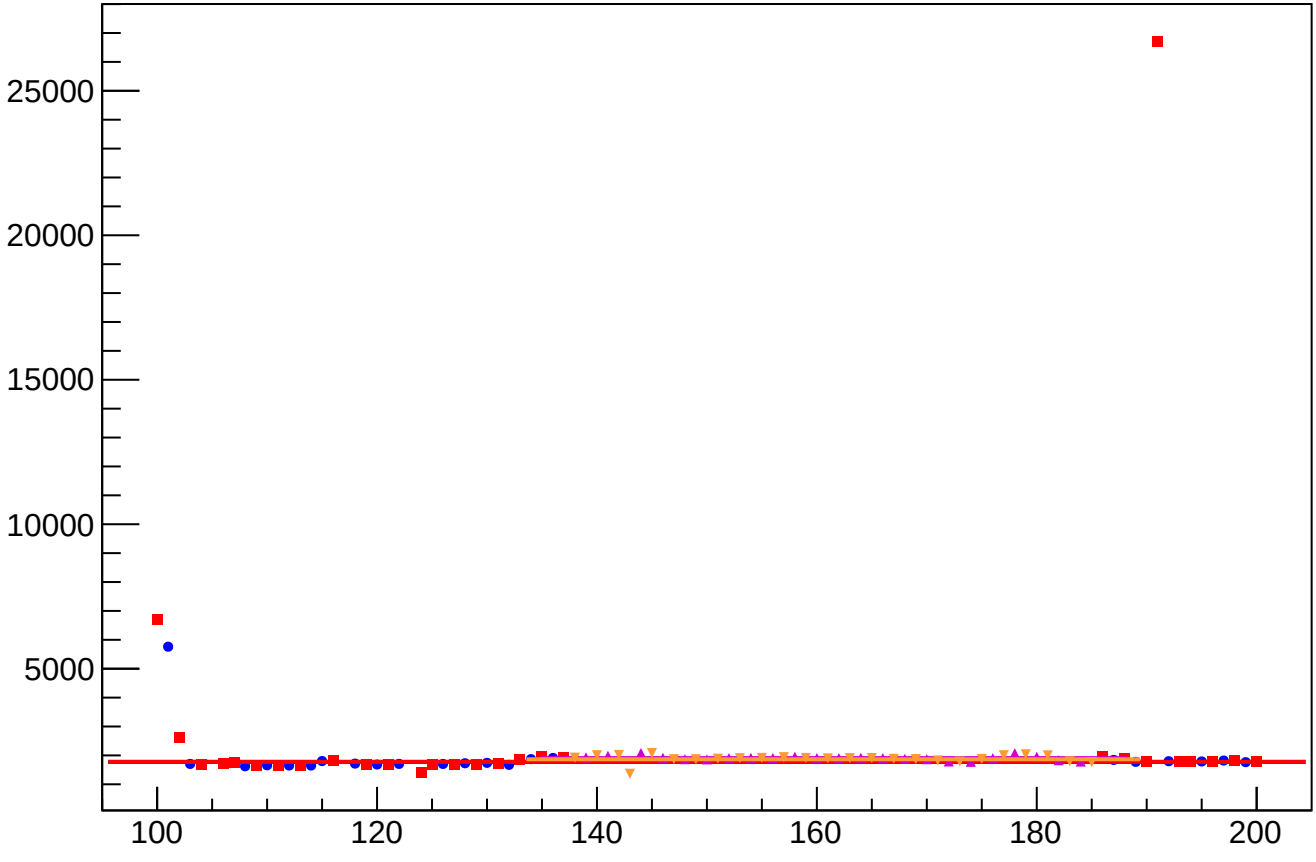
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 756.222+/-331.818 χ^2/NDF: 65.0/46

All: 418.639+/-234.031 χ^2/NDF: 109.7/97

- sign 84.485+/-330.128 χ^2/NDF: 42.7/50

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

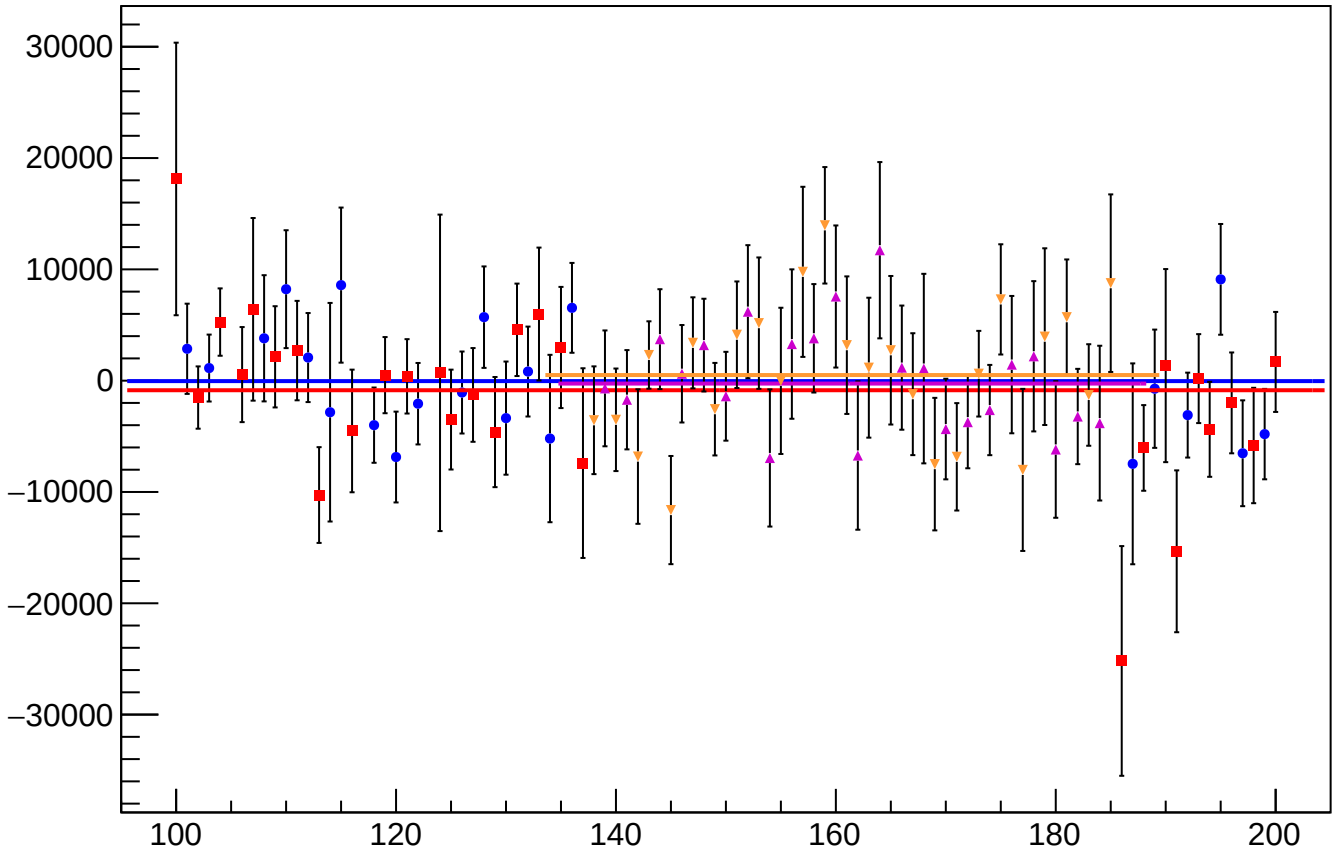
Right Out: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1829.244+/-0.235 χ^2/NDF: 1001099.9/46

All: 1838.471+/-0.165 χ^2/NDF: 1693833.9/97

- sign 1847.591+/-0.233 χ^2/NDF: 689659.0/50



Right In: -39.488+/-946.313 χ^2/NDF: 23.1/21

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -859.680+/-869.902 χ^2/NDF: 32.5/27

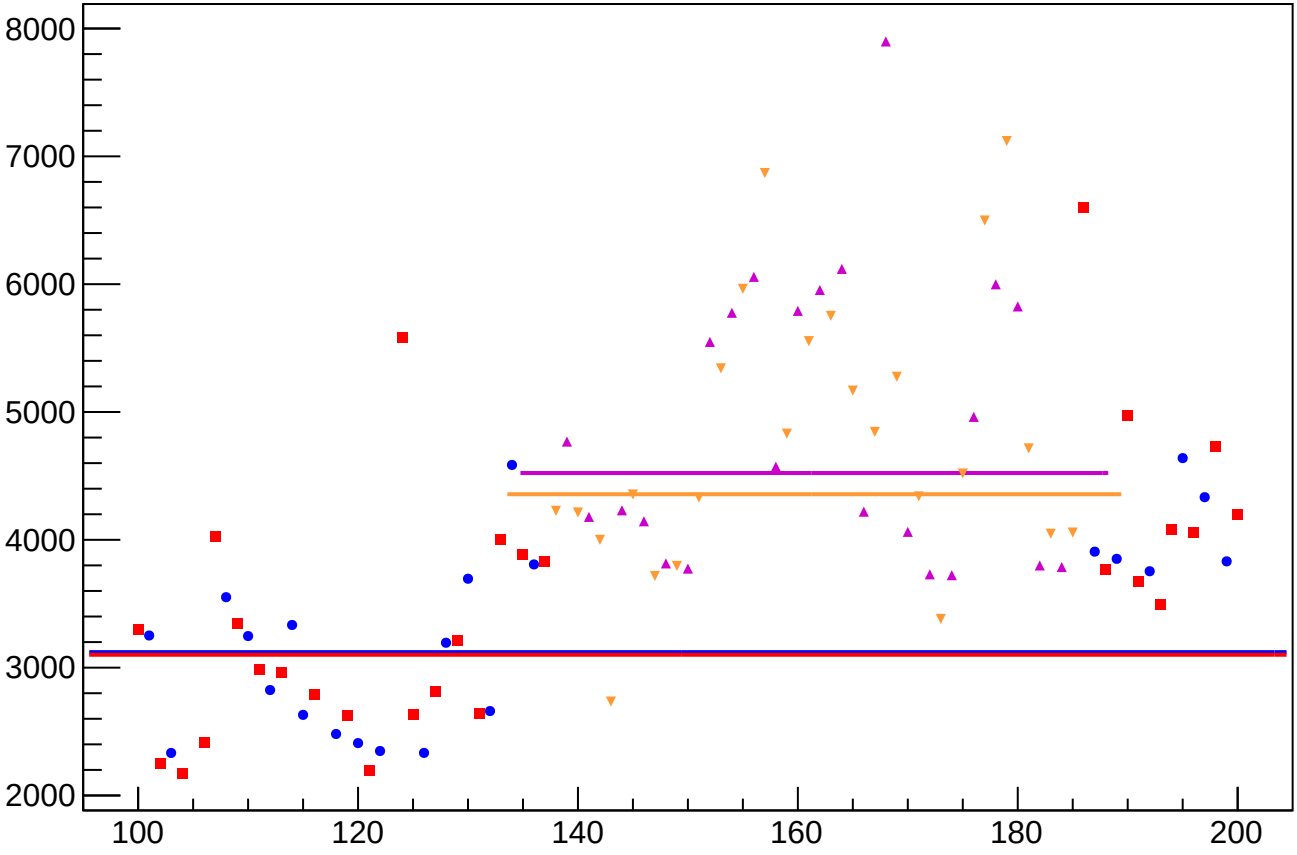
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 211.594+/-694.263 χ^2/NDF: 53.4/46

All: -216.473+/-484.998 χ^2/NDF: 100.4/97

- sign -624.498+/-677.816 χ^2/NDF: 46.3/50

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3121.339+/-0.669 χ^2/NDF: 1158704.9/21

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3100.934+/-0.615 χ^2/NDF: 1799413.6/27

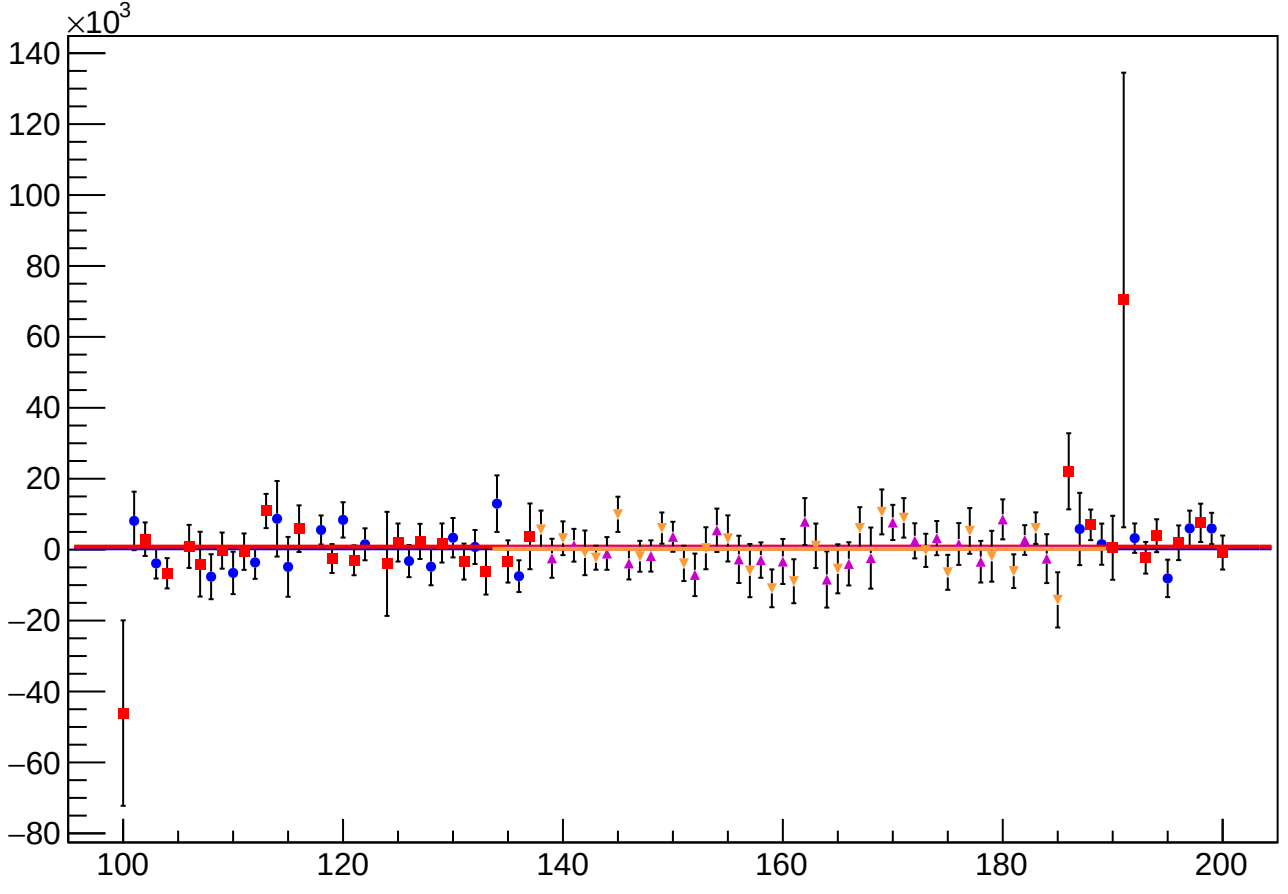
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3691.753+/-0.491 χ^2/NDF: 4644749.1/46

All: 3675.259+/-0.343 χ^2/NDF: 9979564.1/97

- sign 3659.539+/-0.479 χ^2/NDF: 5332610.4/50

asym_atr1l2_dd_mean vs Slug



Right In: 382.728+/-1123.533 χ^2/NDF: 24.5/21

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 855.332+/-1050.784 χ^2/NDF: 25.9/27

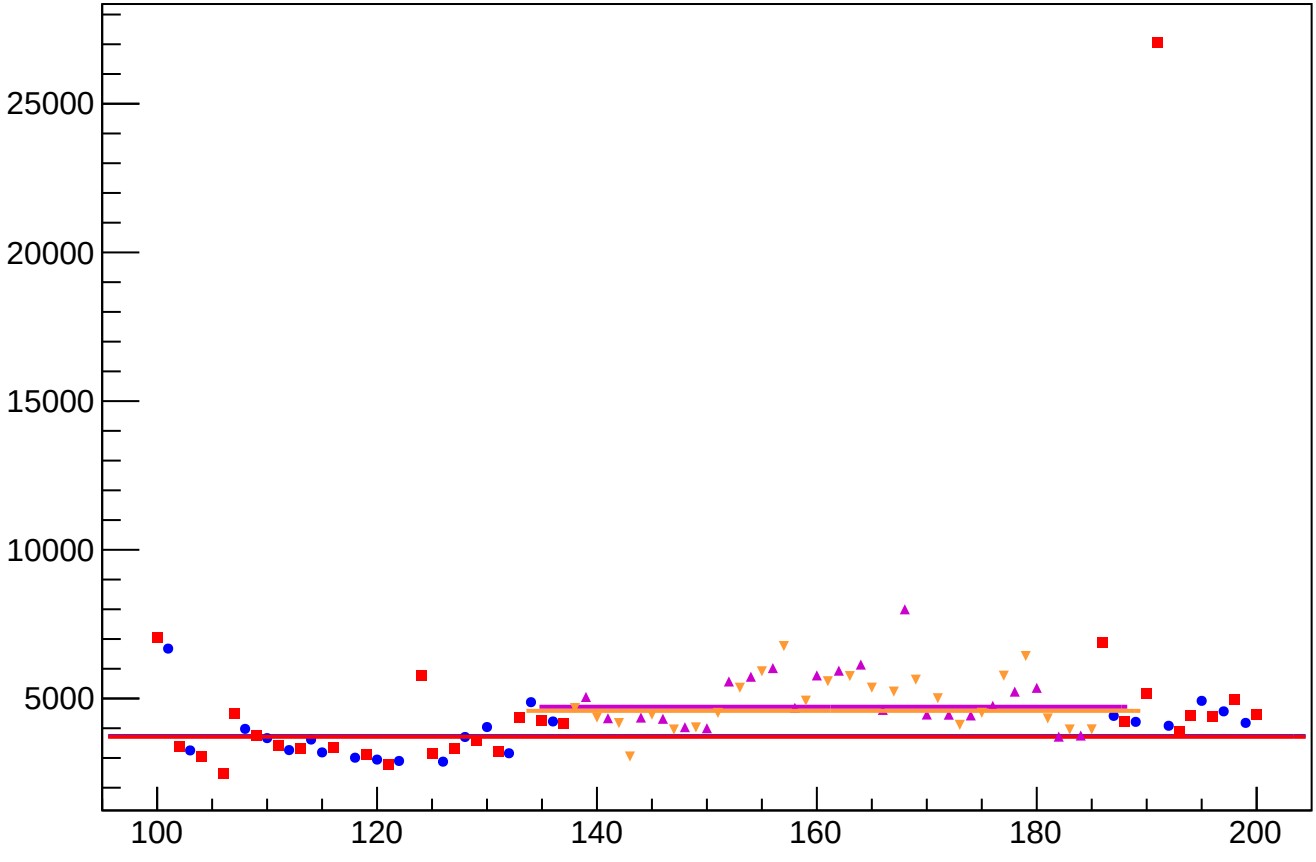
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 307.488+/-772.799 χ^2/NDF: 56.7/46

All: 475.781+/-544.297 χ^2/NDF: 97.0/97

- sign 641.447+/-766.742 χ^2/NDF: 40.2/50

asym_atr1l2_dd_rms vs Slug



Right In: 3733.119+/-0.794 χ^2/NDF: 879724.6/21

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

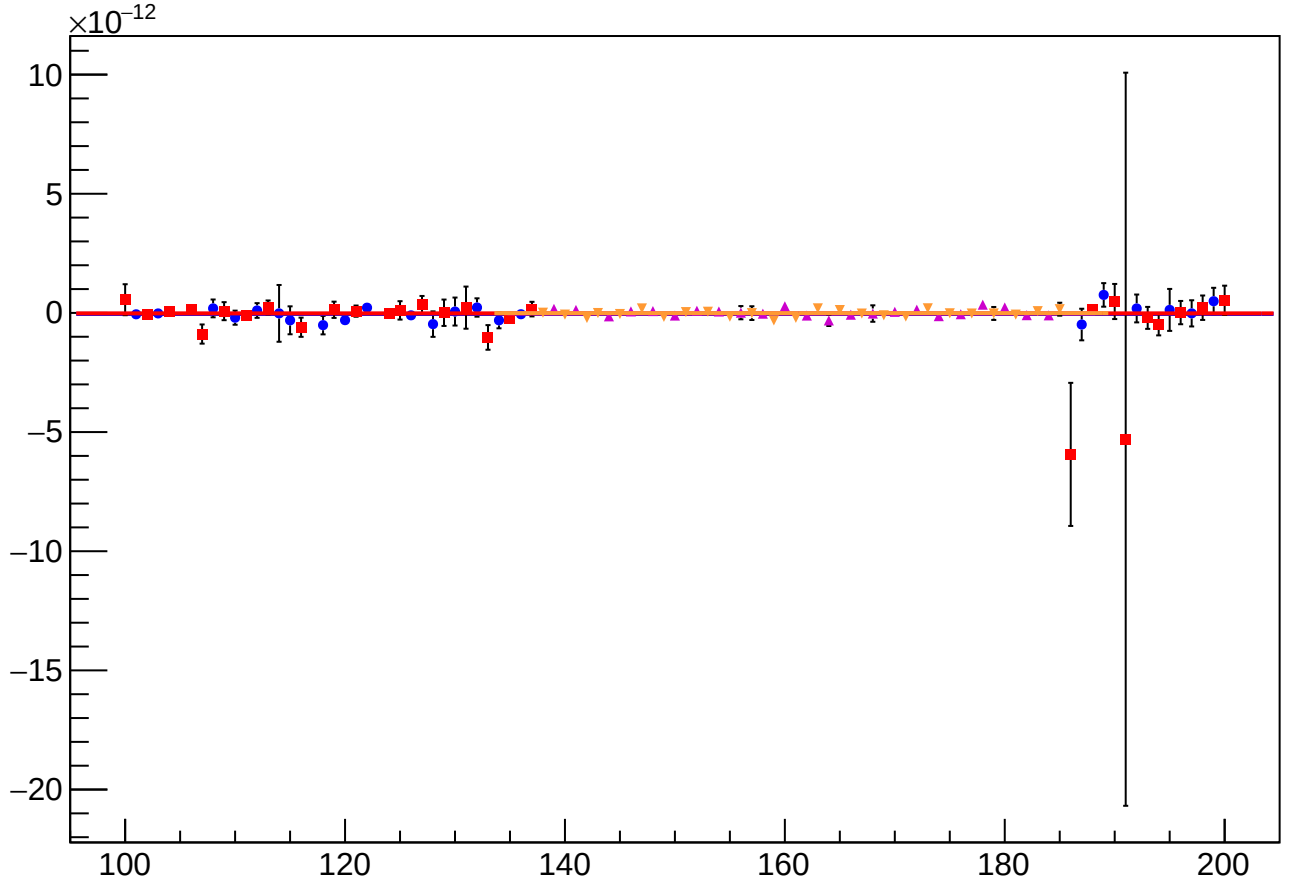
Right Out: 3713.824+/-0.736 χ^2/NDF: 1312984.3/27

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4181.790+/-0.546 χ^2/NDF: 2796779.1/46

All: 4181.327+/-0.384 χ^2/NDF: 5996644.5/97

- sign 4180.875+/-0.539 χ^2/NDF: 3199864.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/27

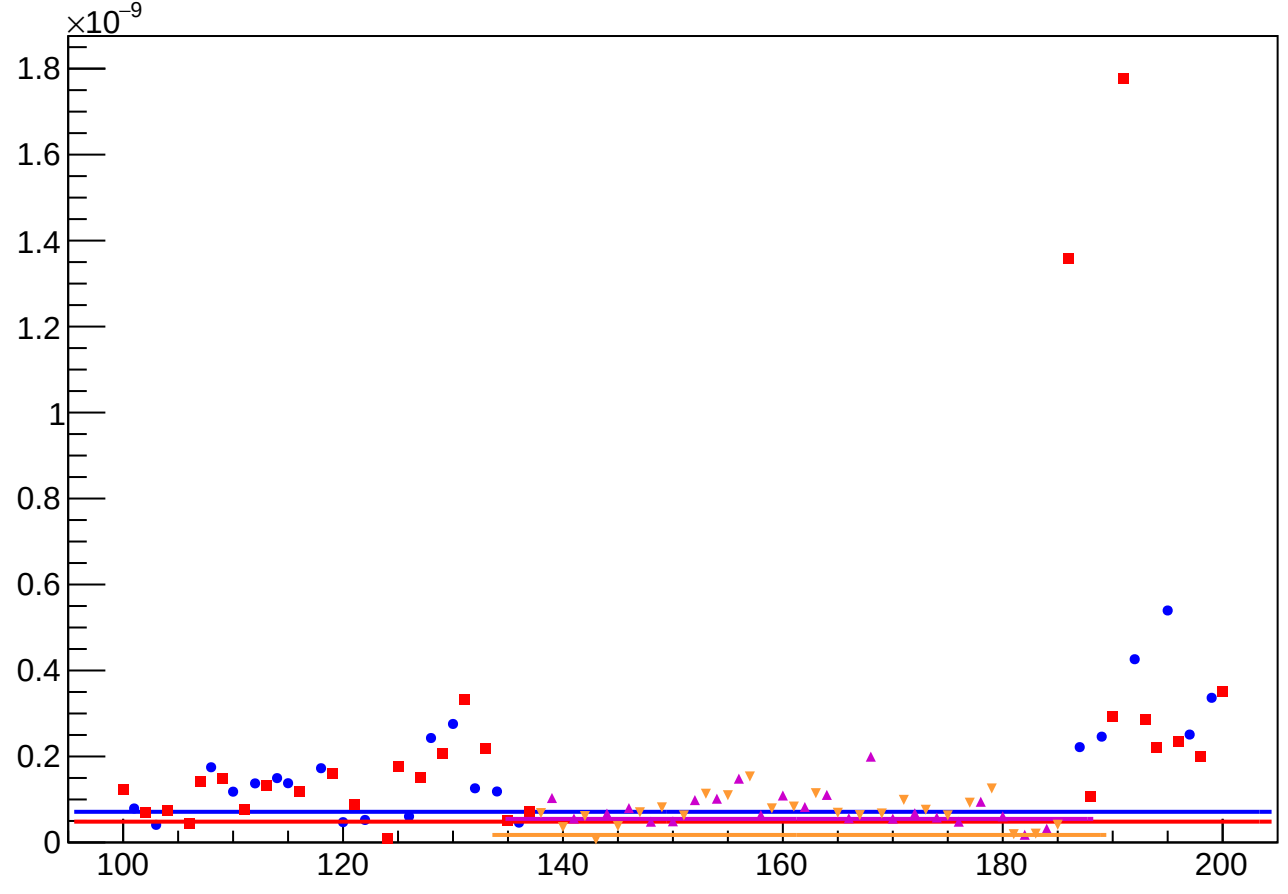
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/46

All: -0.000+/-0.000 χ^2/NDF: 88.1/97

- sign -0.000+/-0.000 χ^2/NDF: 51.9/50

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3815441.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5824932.3/27

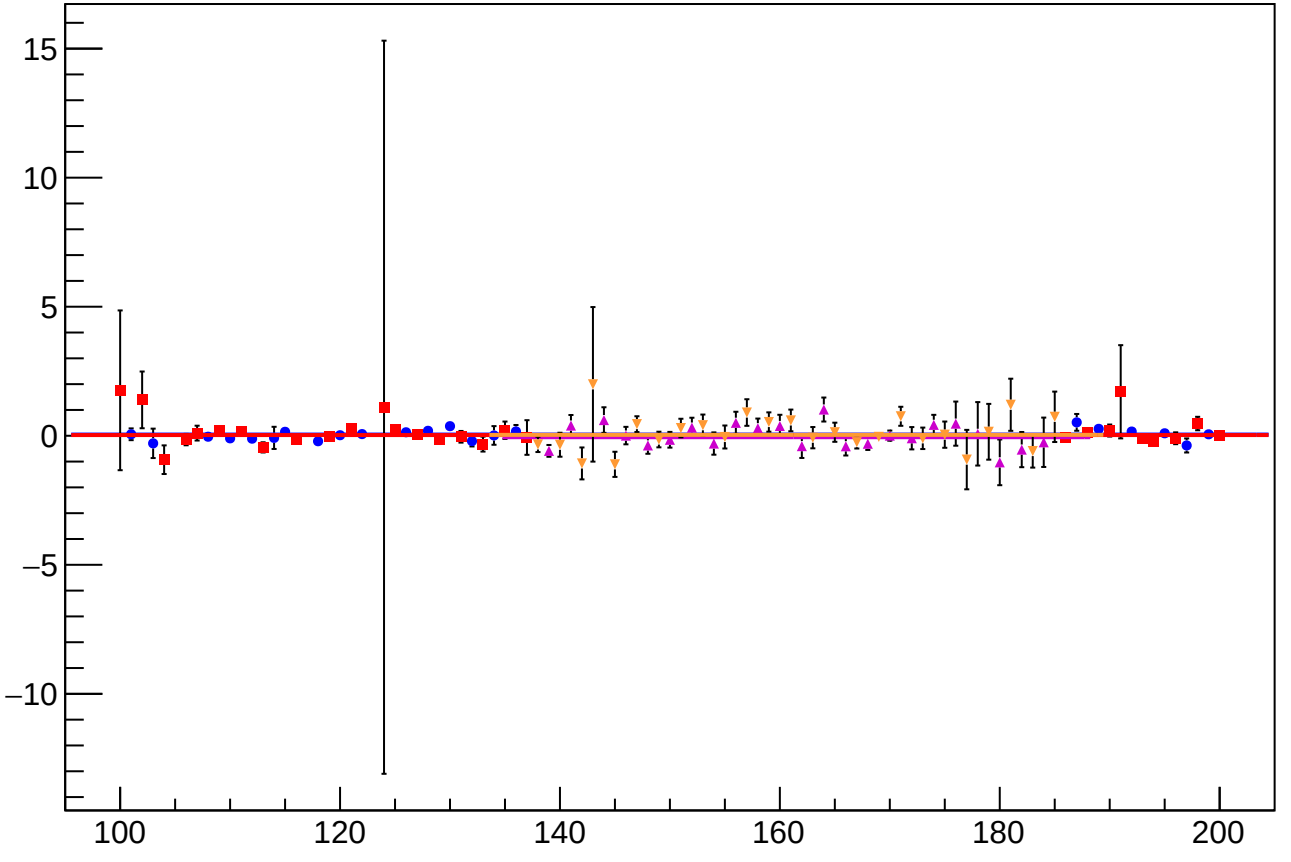
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15523268.3/46

All: 0.000+/-0.000 χ^2/NDF: 28197656.5/97

- sign 0.000+/-0.000 χ^2/NDF: 8670122.2/50

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.027+/-0.035 χ^2/NDF: 31.3/27

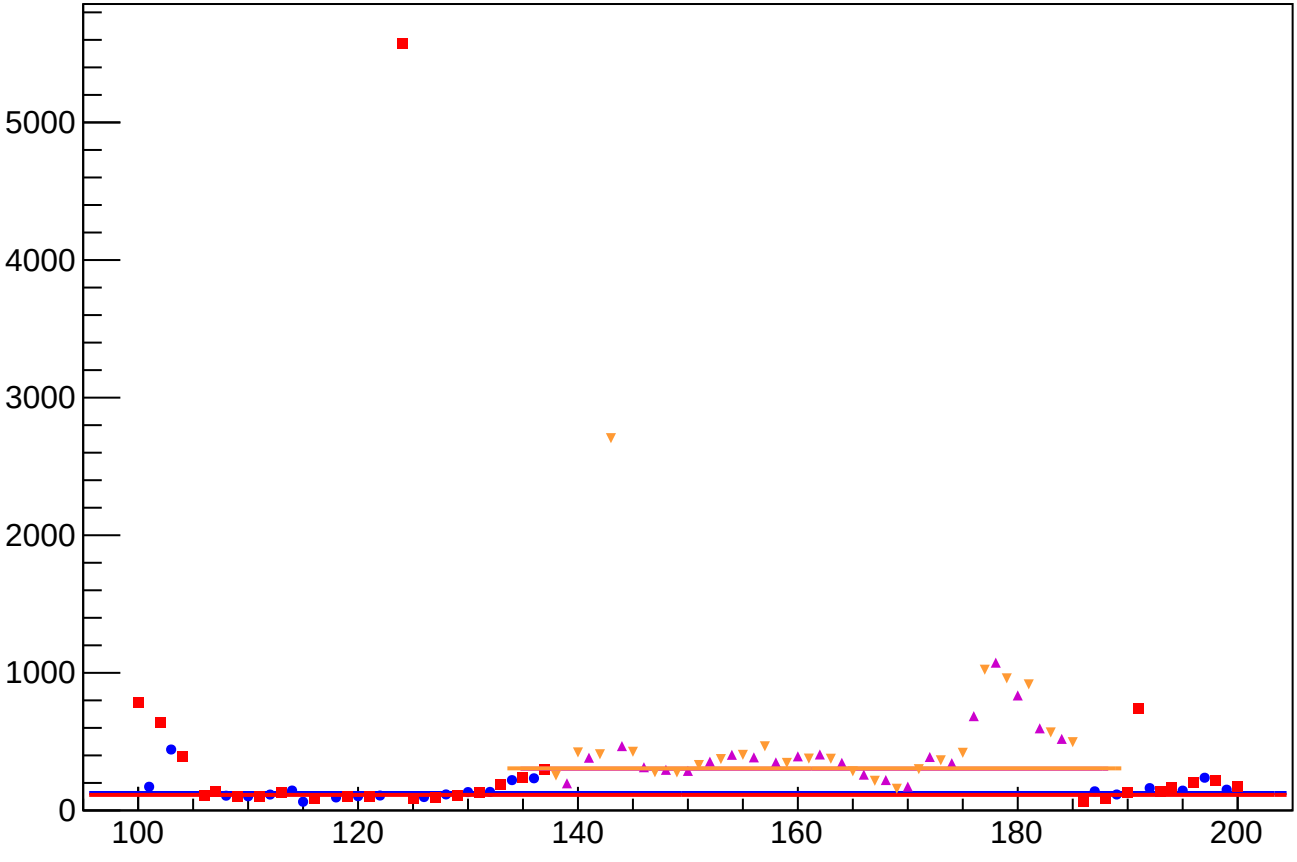
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.026+/-0.024 χ^2/NDF: 108.3/97

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 113.111+/-0.025 χ^2/NDF: 4140750.5/27

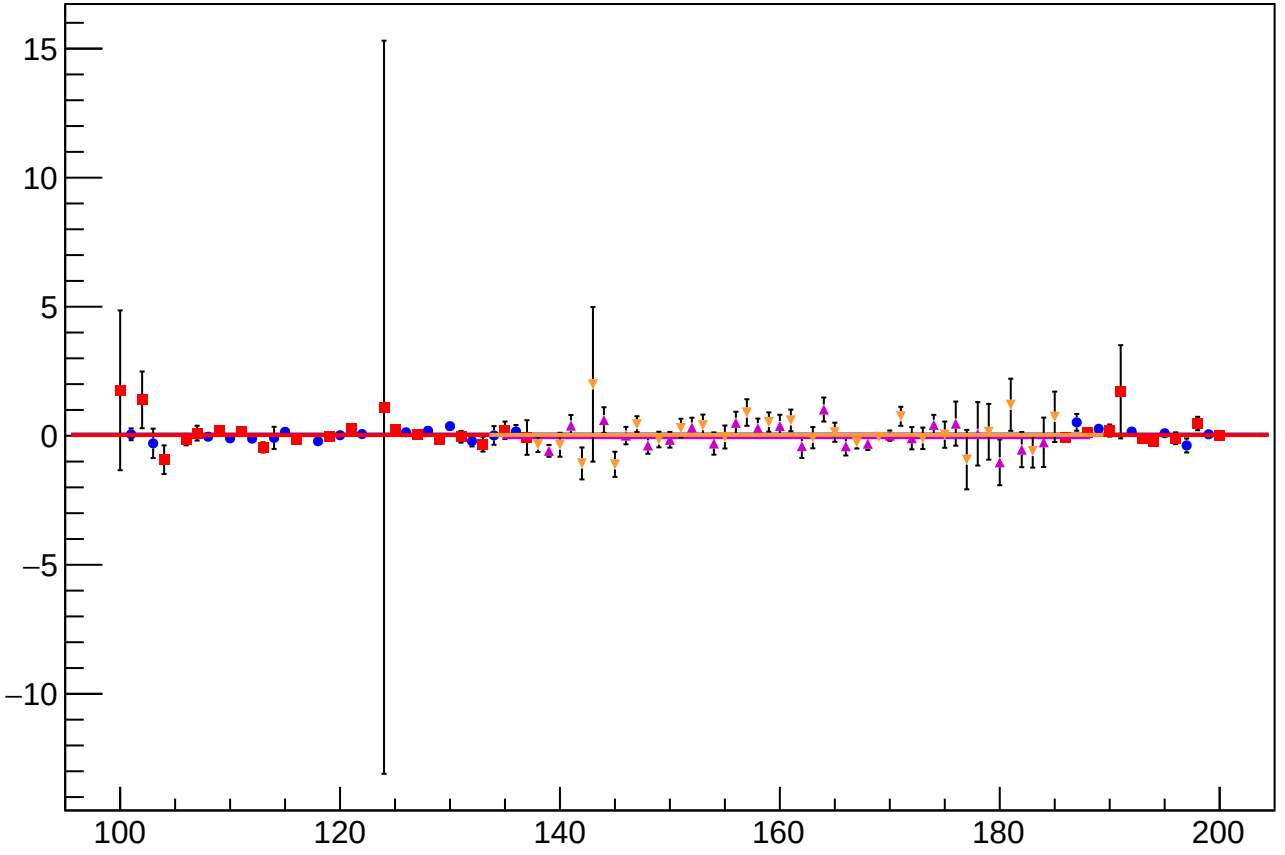
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236251.7/46

All: 154.232+/-0.017 χ^2/NDF: 36543986.0/97

- sign 145.680+/-0.023 χ^2/NDF: 18983965.1/50

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.027+/-0.035 χ^2/NDF: 31.3/27

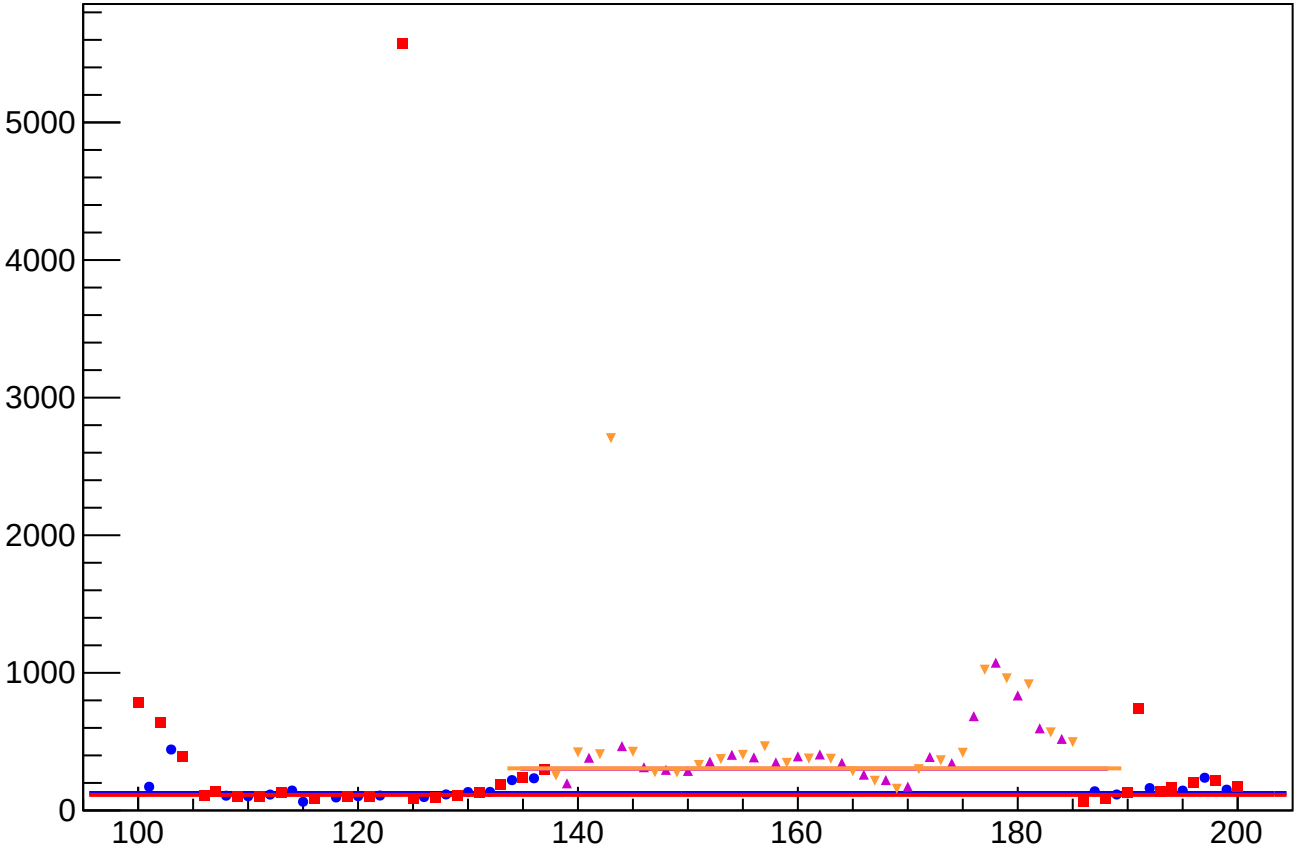
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.026+/-0.024 χ^2/NDF: 108.3/97

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

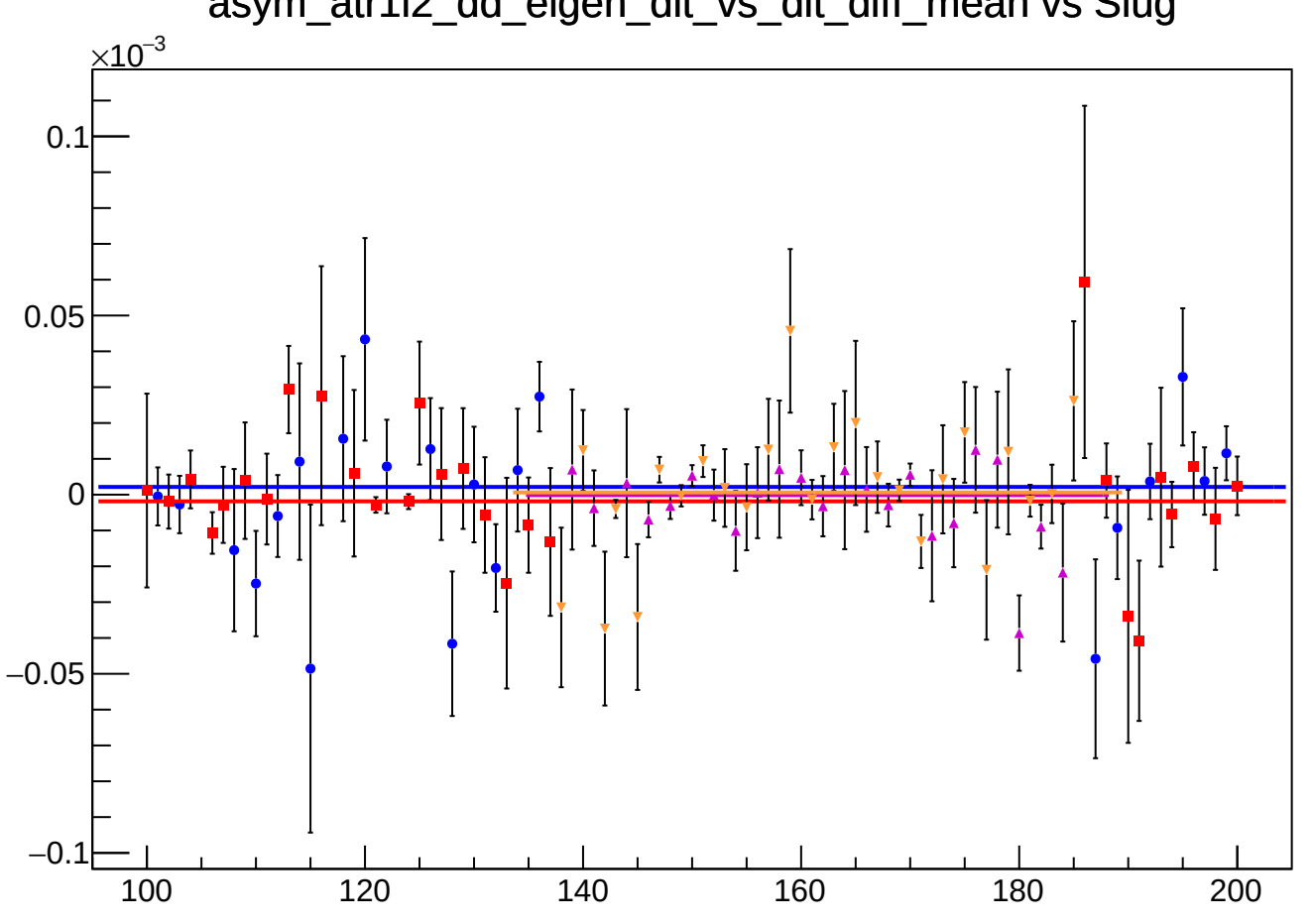
Right Out: 113.111+/-0.025 χ^2/NDF: 4140750.5/27

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236251.7/46

All: 154.232+/-0.017 χ^2/NDF: 36543986.0/97

- sign 145.680+/-0.023 χ^2/NDF: 18983965.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

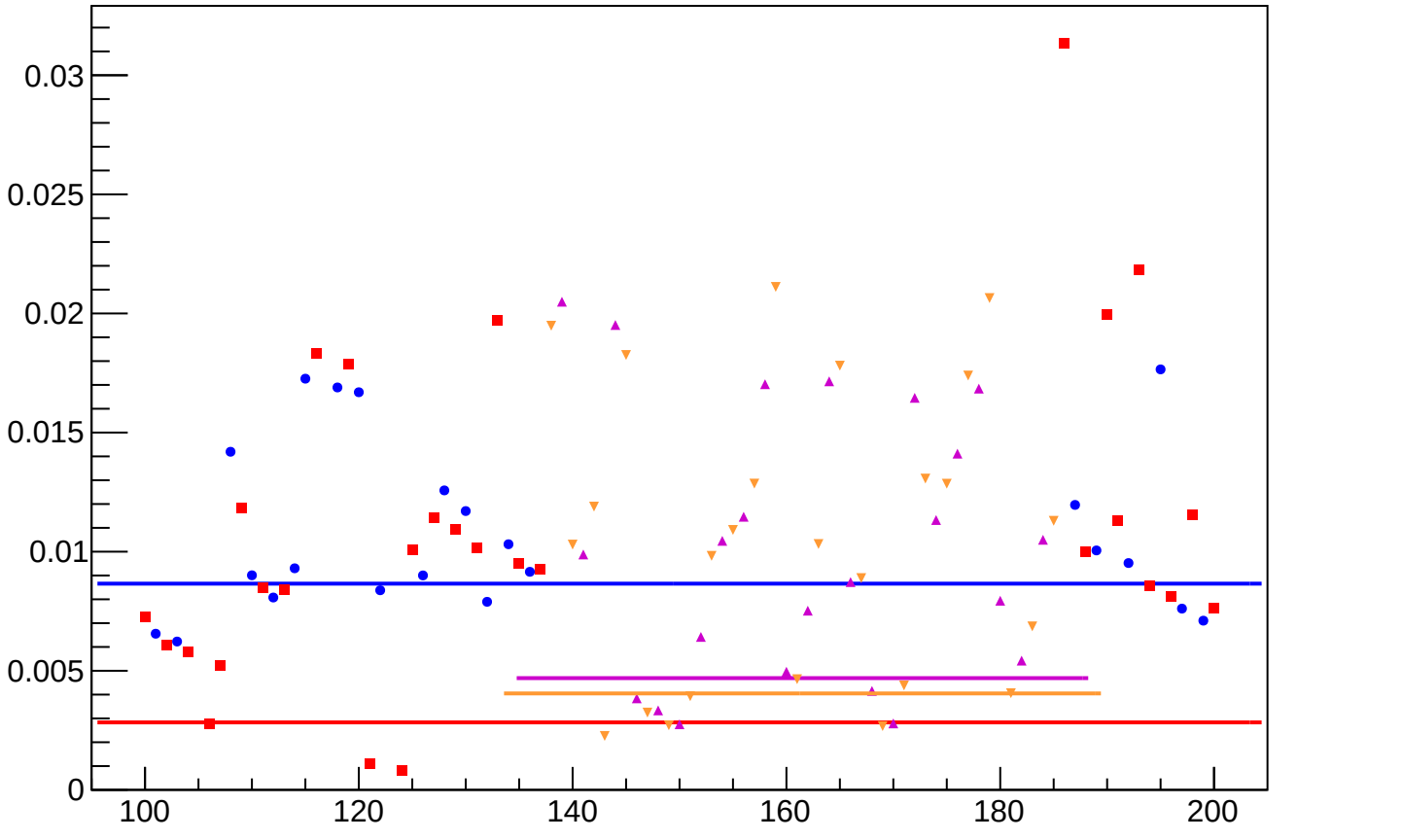
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/46

All: -0.000+/-0.000 χ^2/NDF: 121.8/97

- sign -0.000+/-0.000 χ^2/NDF: 52.9/50



Right In: 0.009+/-0.000 χ^2/NDF: 1726697.4/21

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16004415.6/27

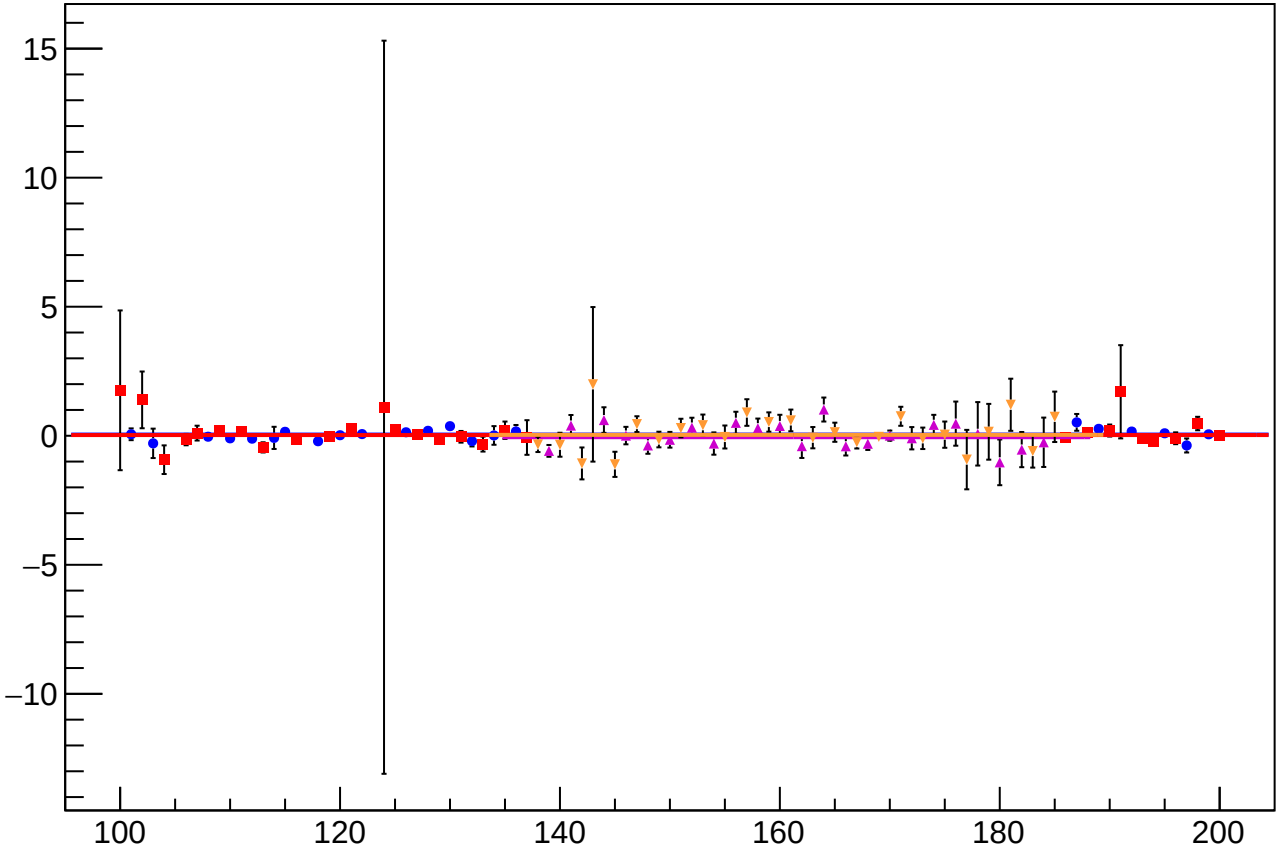
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 20078952.0/46

All: 0.004+/-0.000 χ^2/NDF: 50063658.1/97

- sign 0.004+/-0.000 χ^2/NDF: 28790004.8/50

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.027+/-0.035 χ^2/NDF: 31.3/27

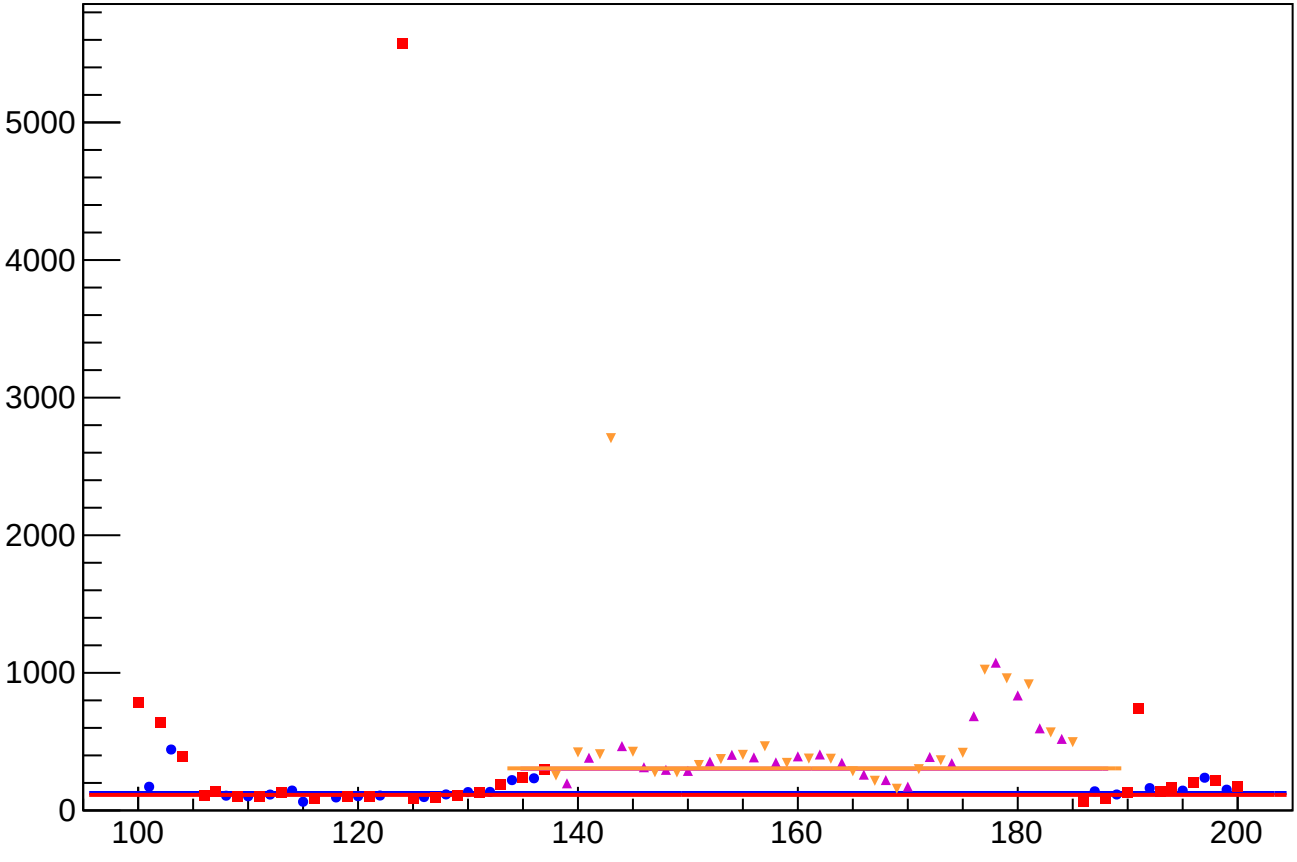
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.026+/-0.024 χ^2/NDF: 108.3/97

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

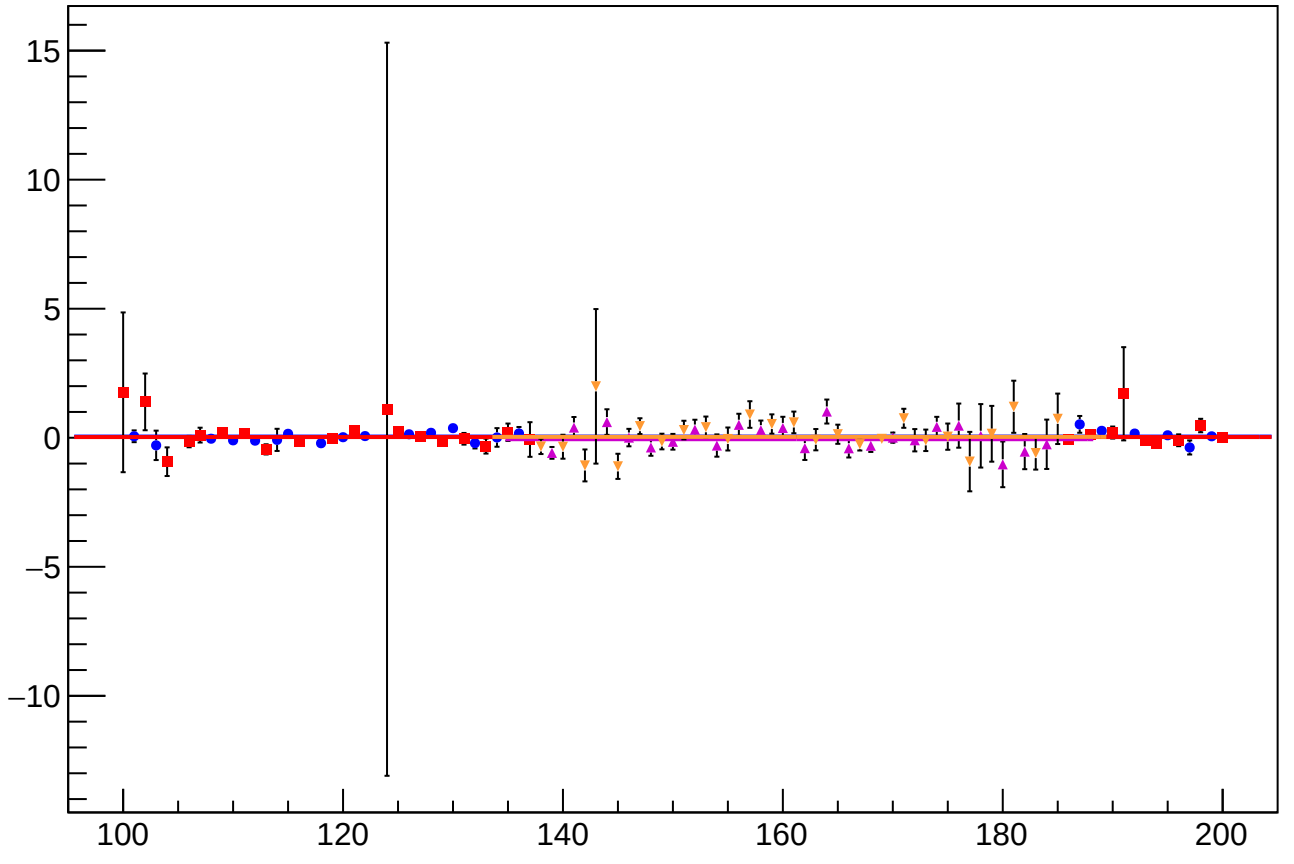
Right Out: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236326.8/46

All: 154.232+/-0.017 χ^2/NDF: 36543876.6/97

- sign 145.680+/-0.023 χ^2/NDF: 18983795.1/50



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

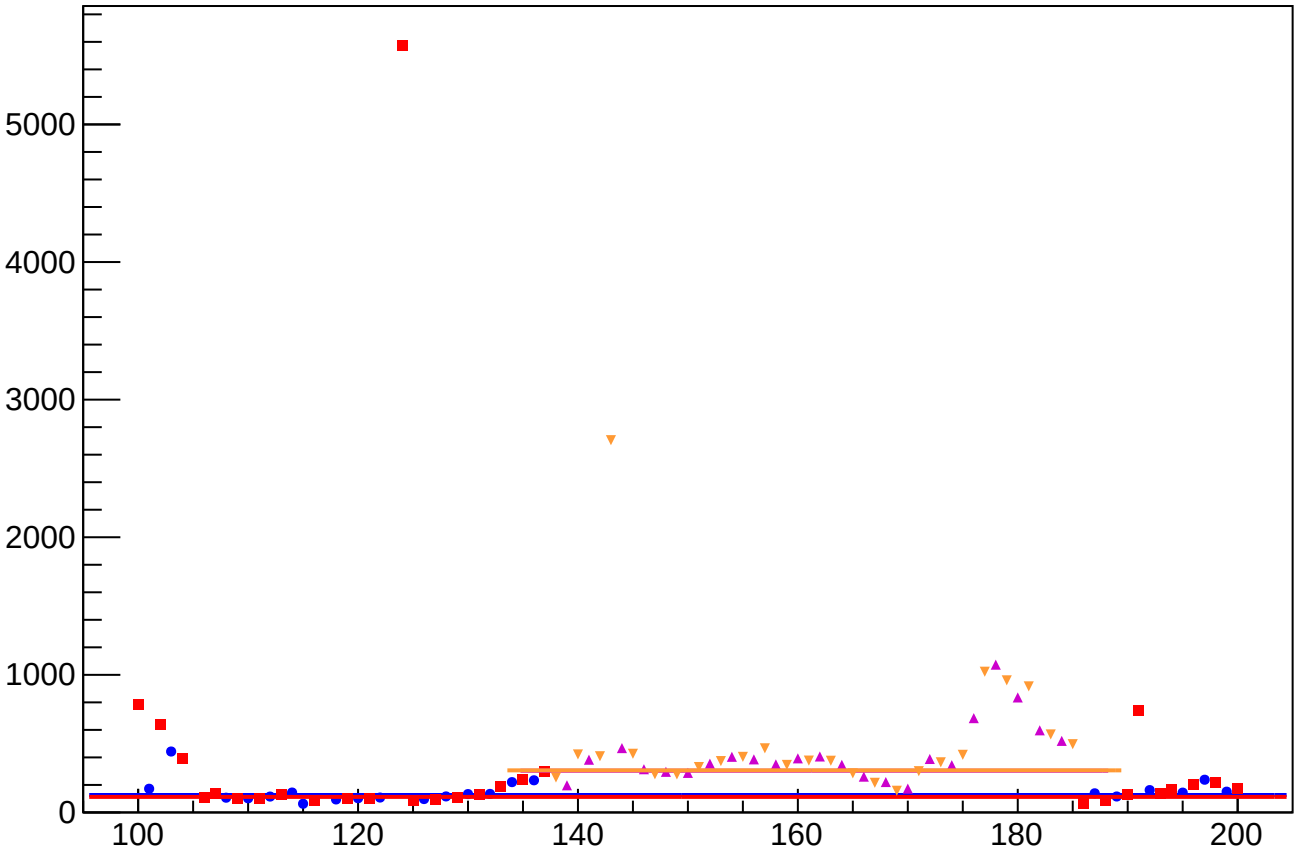
Right Out: 0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.026+/-0.024 χ^2/NDF: 108.3/97

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

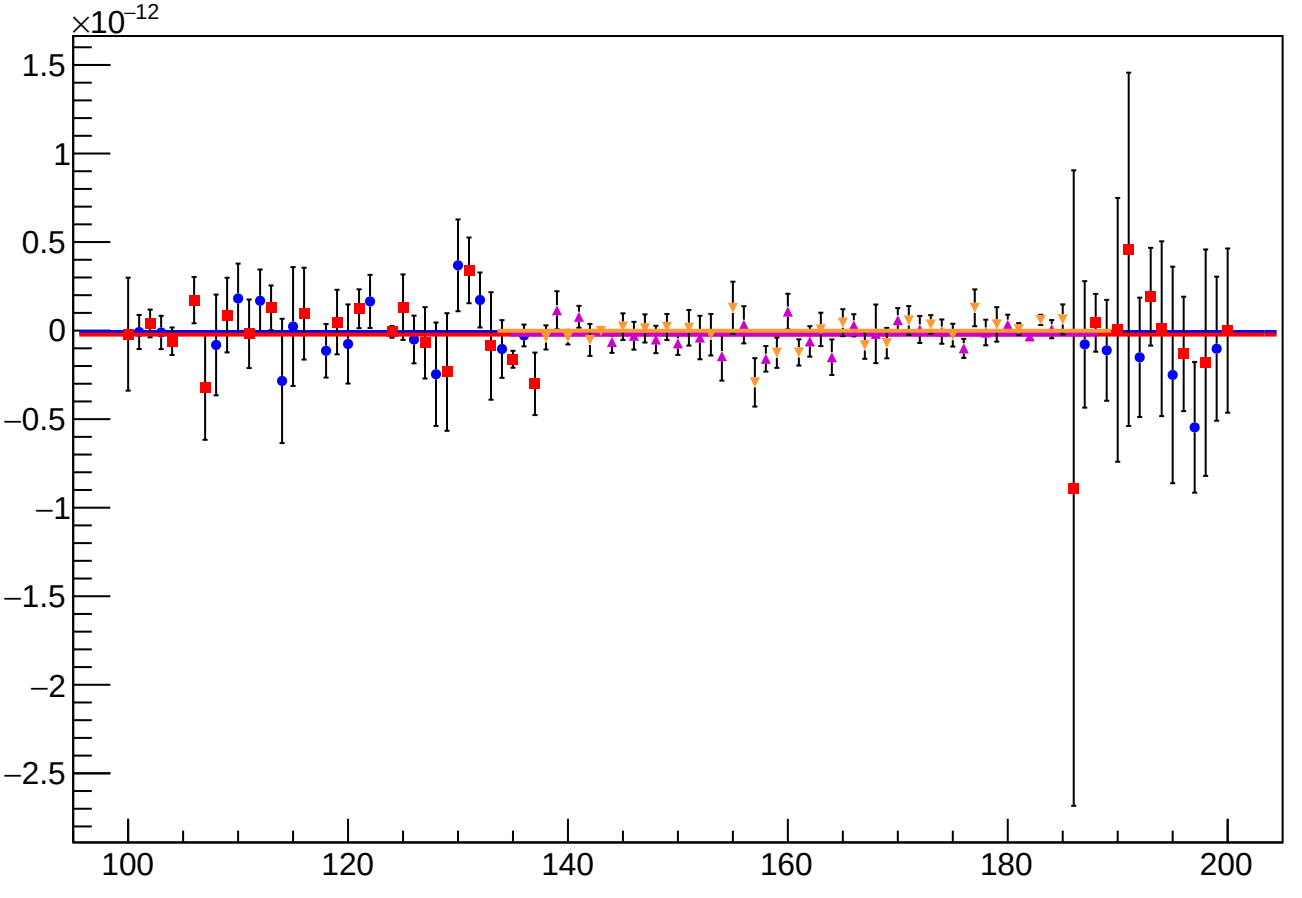
Right Out: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236326.8/46

All: 154.232+/-0.017 χ^2/NDF: 36543876.6/97

- sign 145.680+/-0.023 χ^2/NDF: 18983795.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

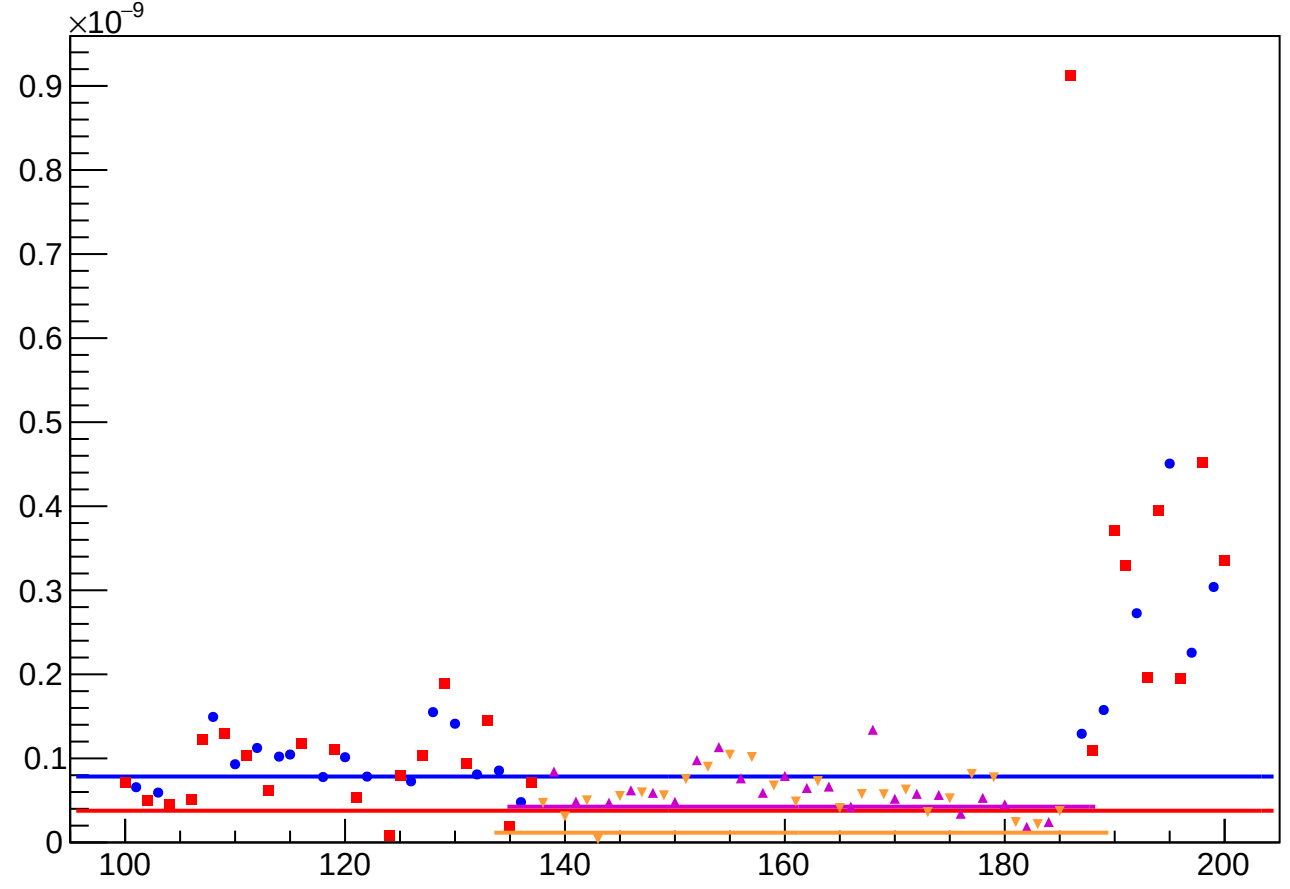
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/27

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/46

All: -0.000+/-0.000 χ^2/NDF: 81.9/97

- sign -0.000+/-0.000 χ^2/NDF: 45.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3659725.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9847191.7/27

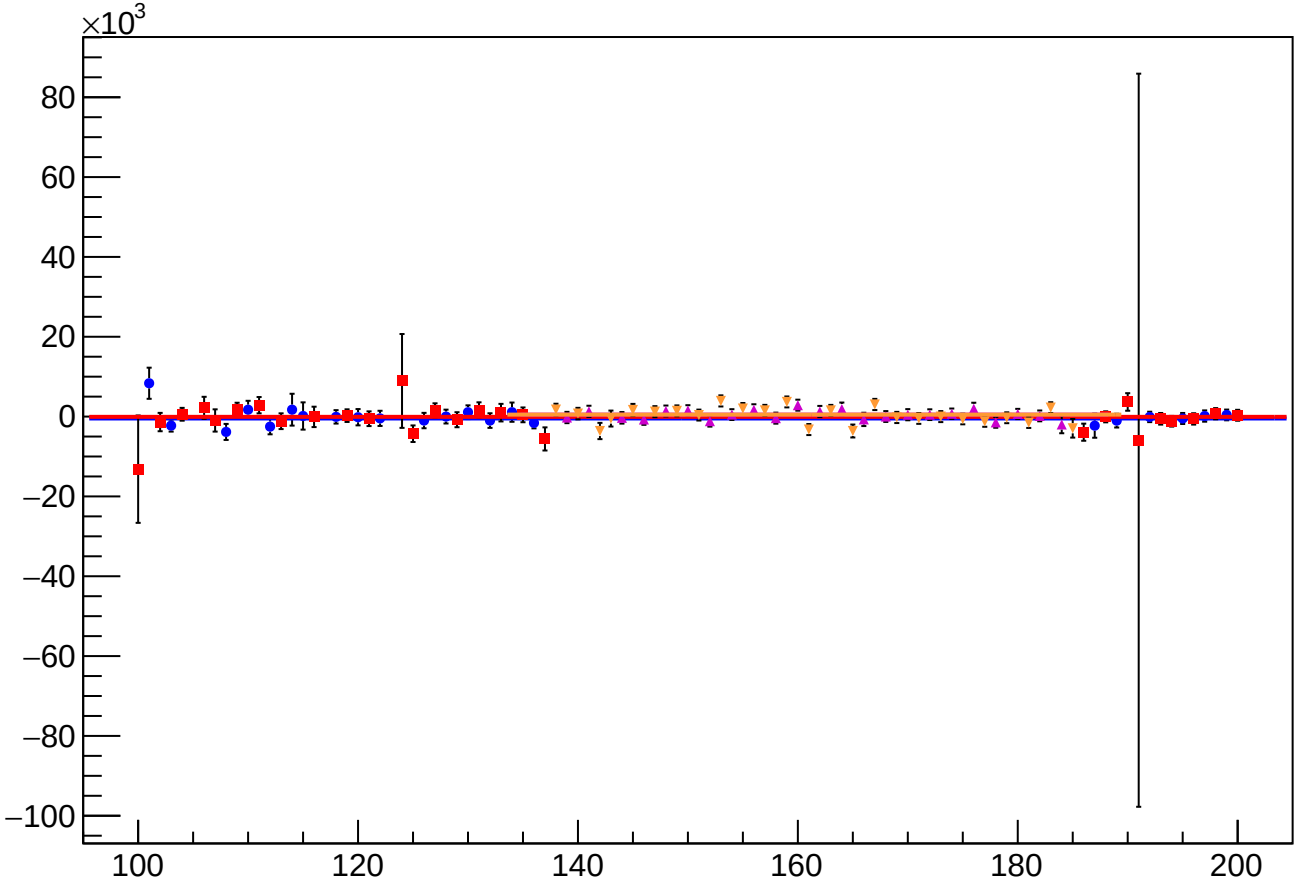
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29211793.9/46

All: 0.000+/-0.000 χ^2/NDF: 54067539.6/97

- sign 0.000+/-0.000 χ^2/NDF: 15340913.4/50

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -65.376+/-359.817 χ^2/NDF: 23.4/27

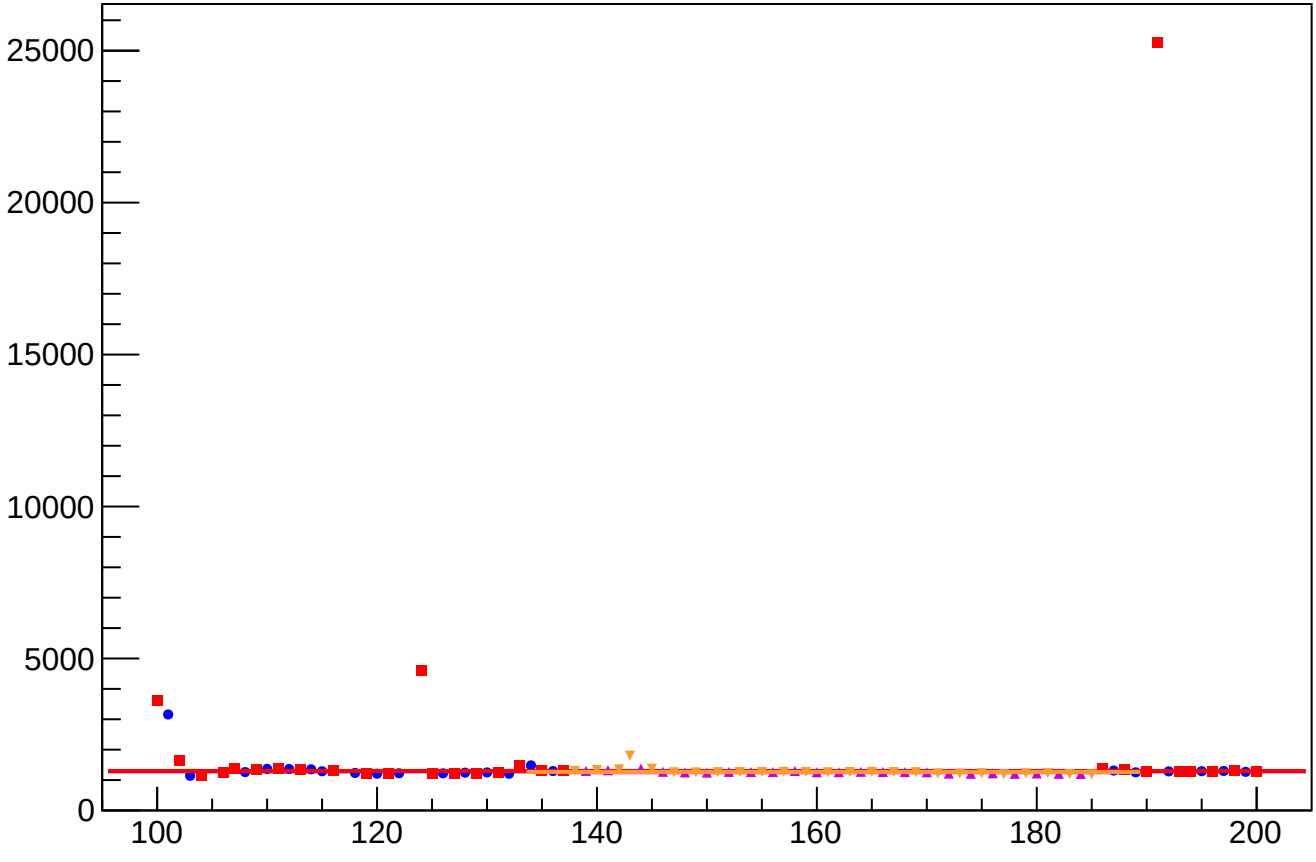
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 204.884+/-161.955 χ^2/NDF: 105.5/97

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

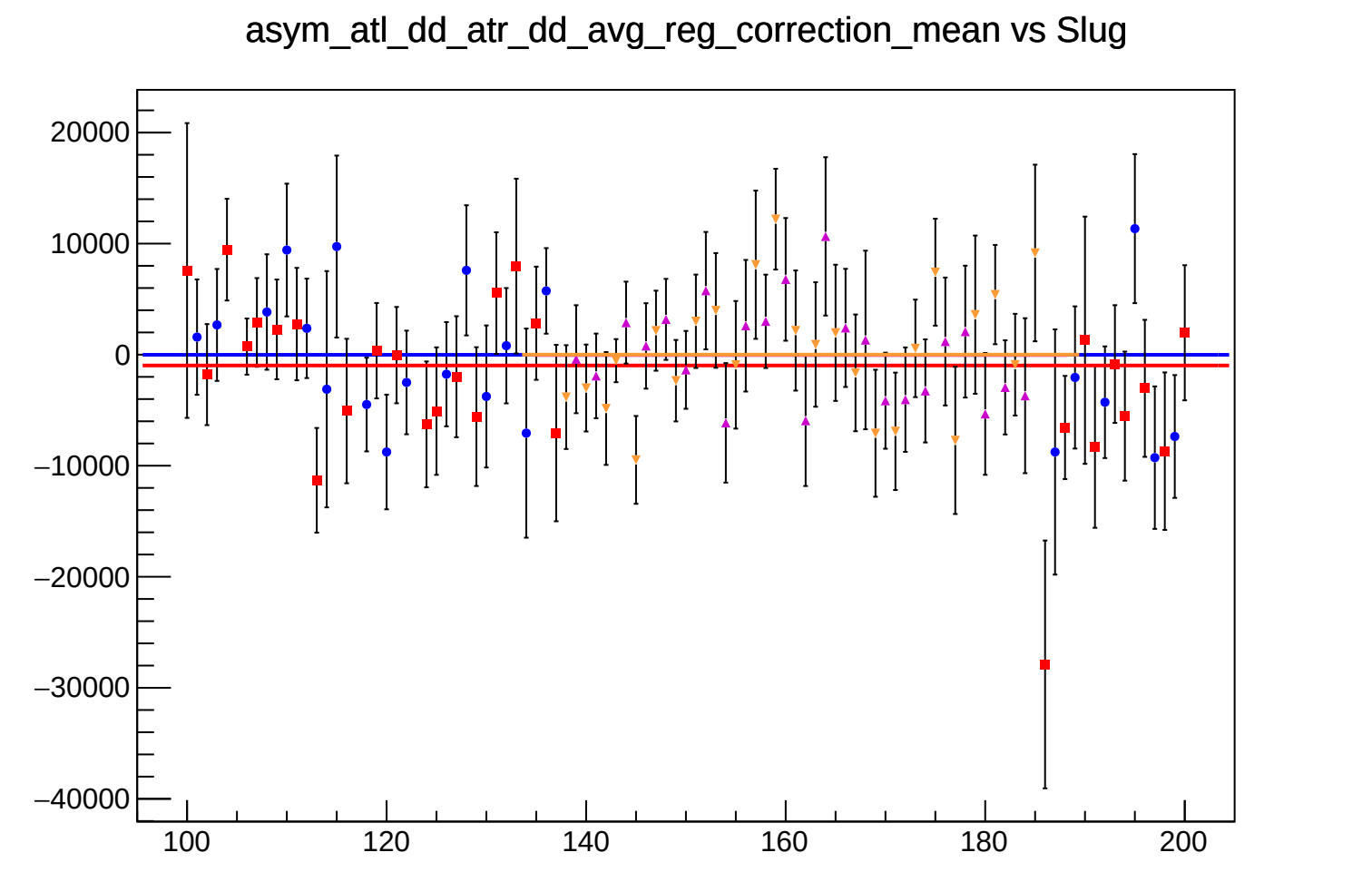
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

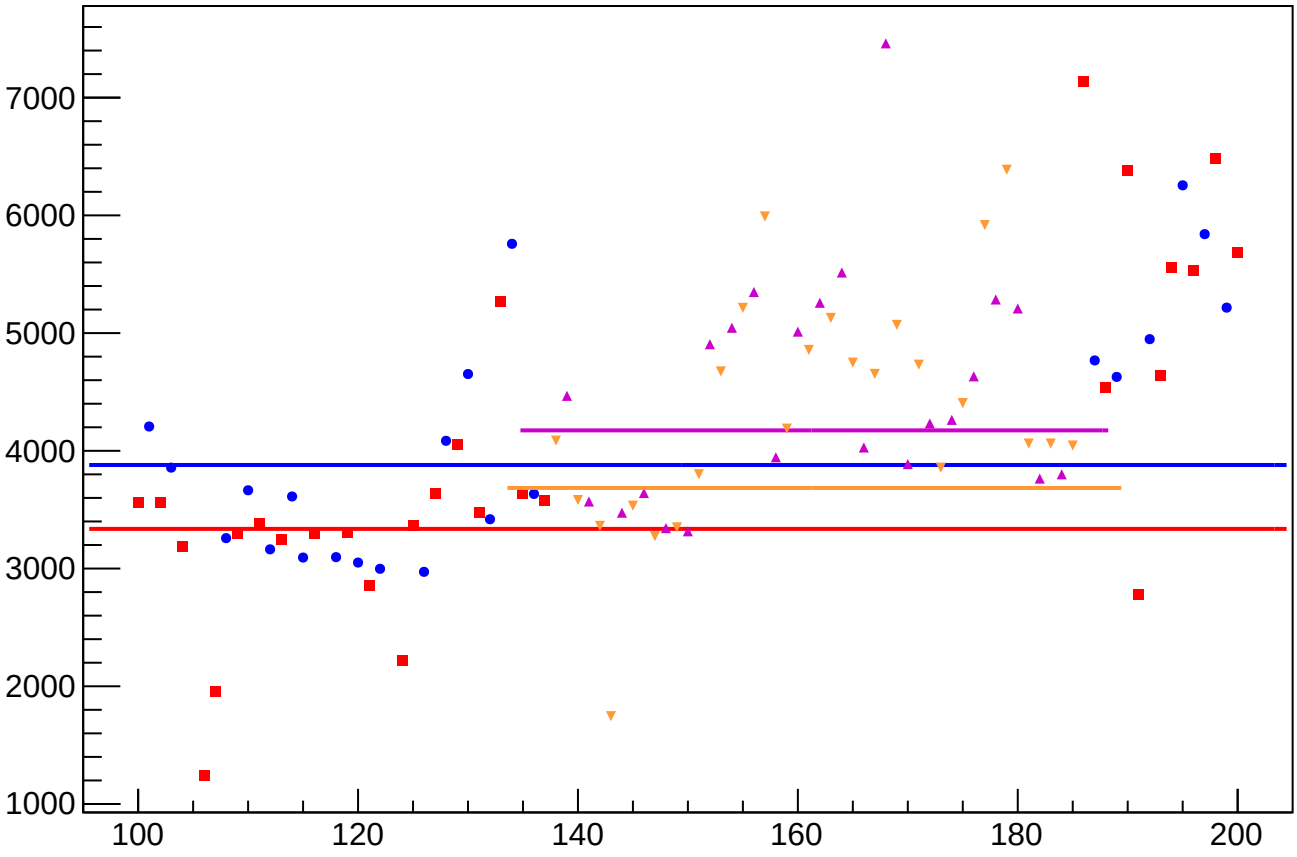
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign -5.706+/-708.307 χ^2/NDF: 51.7/46

All: -259.708+/-497.996 χ^2/NDF: 96.2/97

\- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

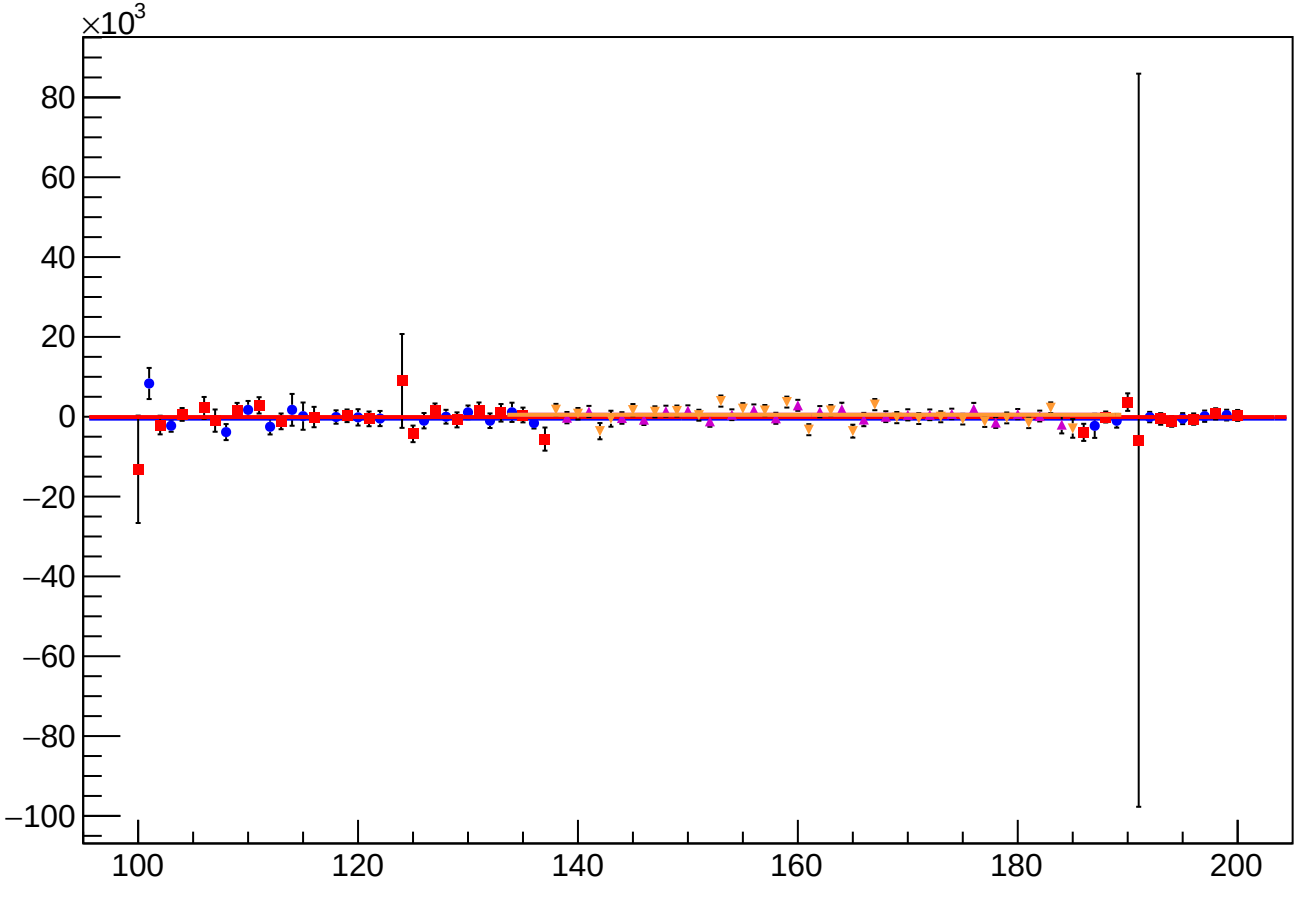
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9

- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

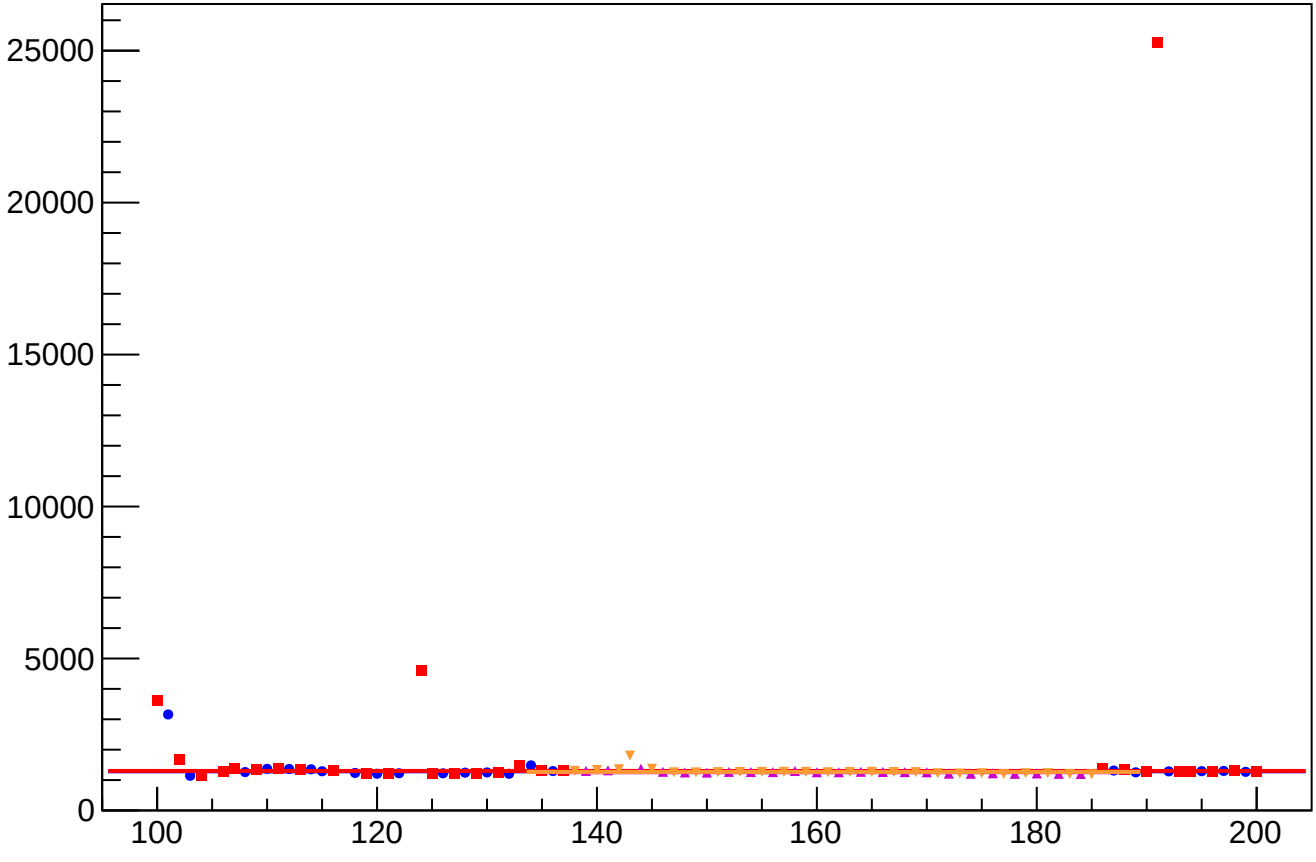
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

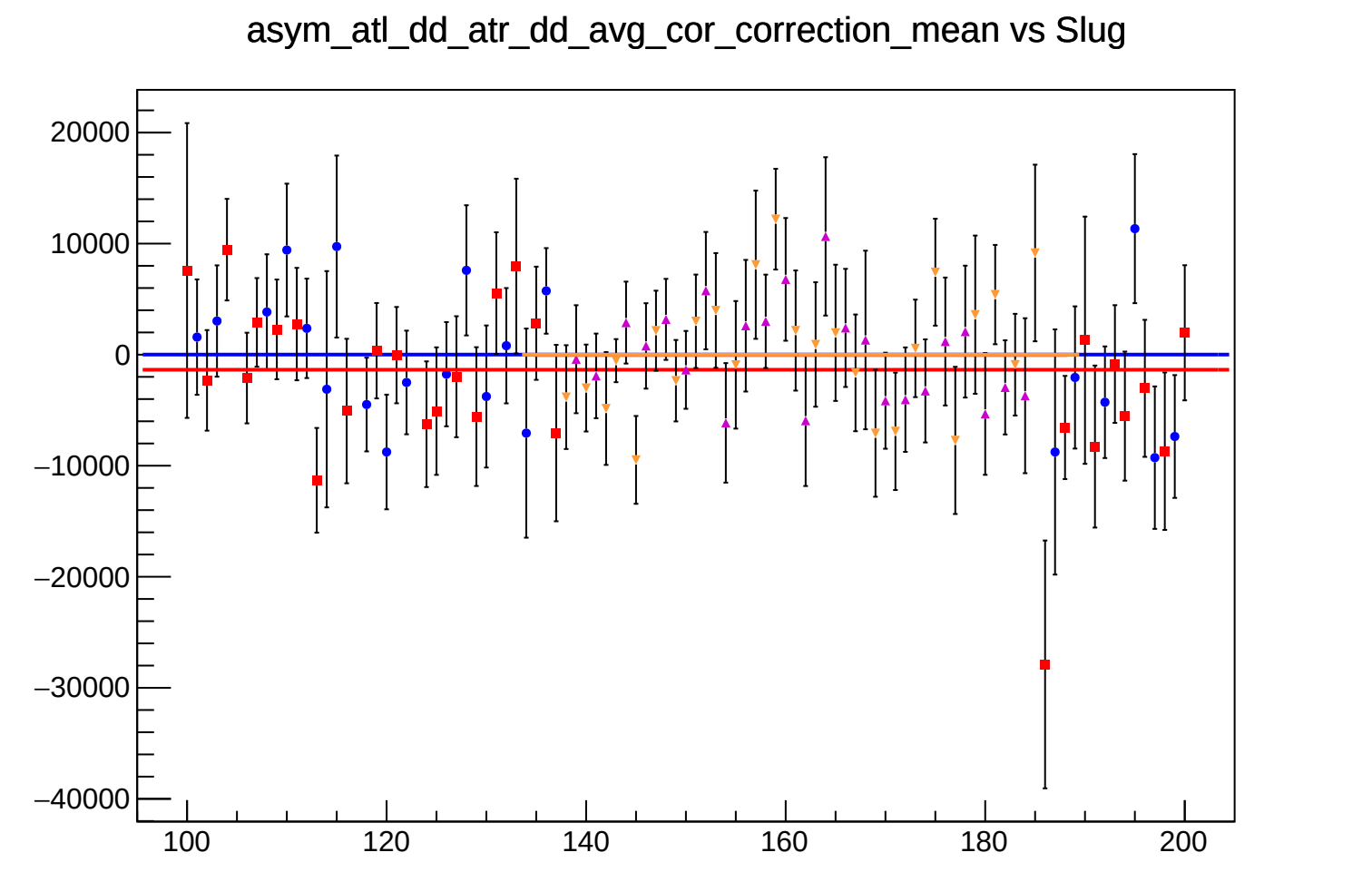
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

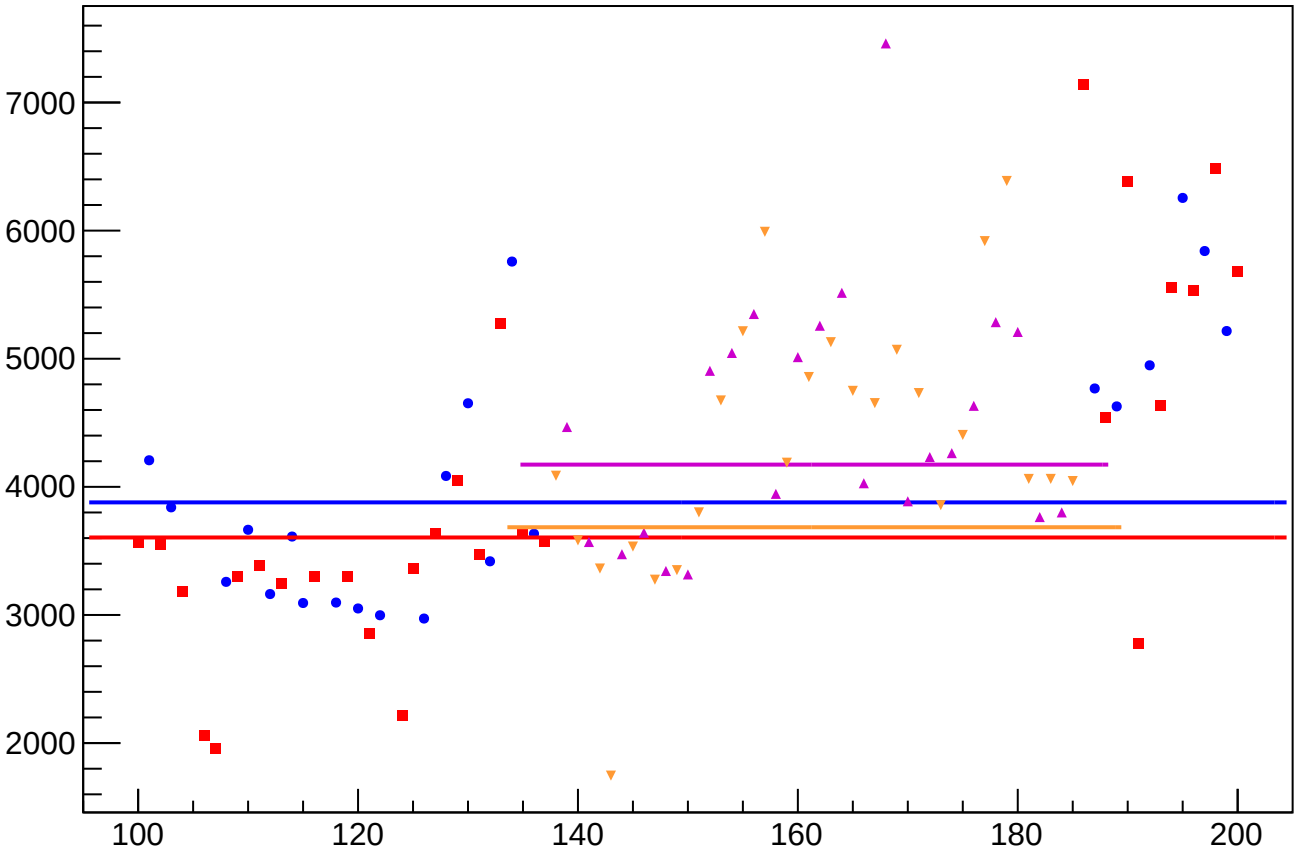
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -329.551+/-503.987 χ^2/NDF: 96.4/97

\- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

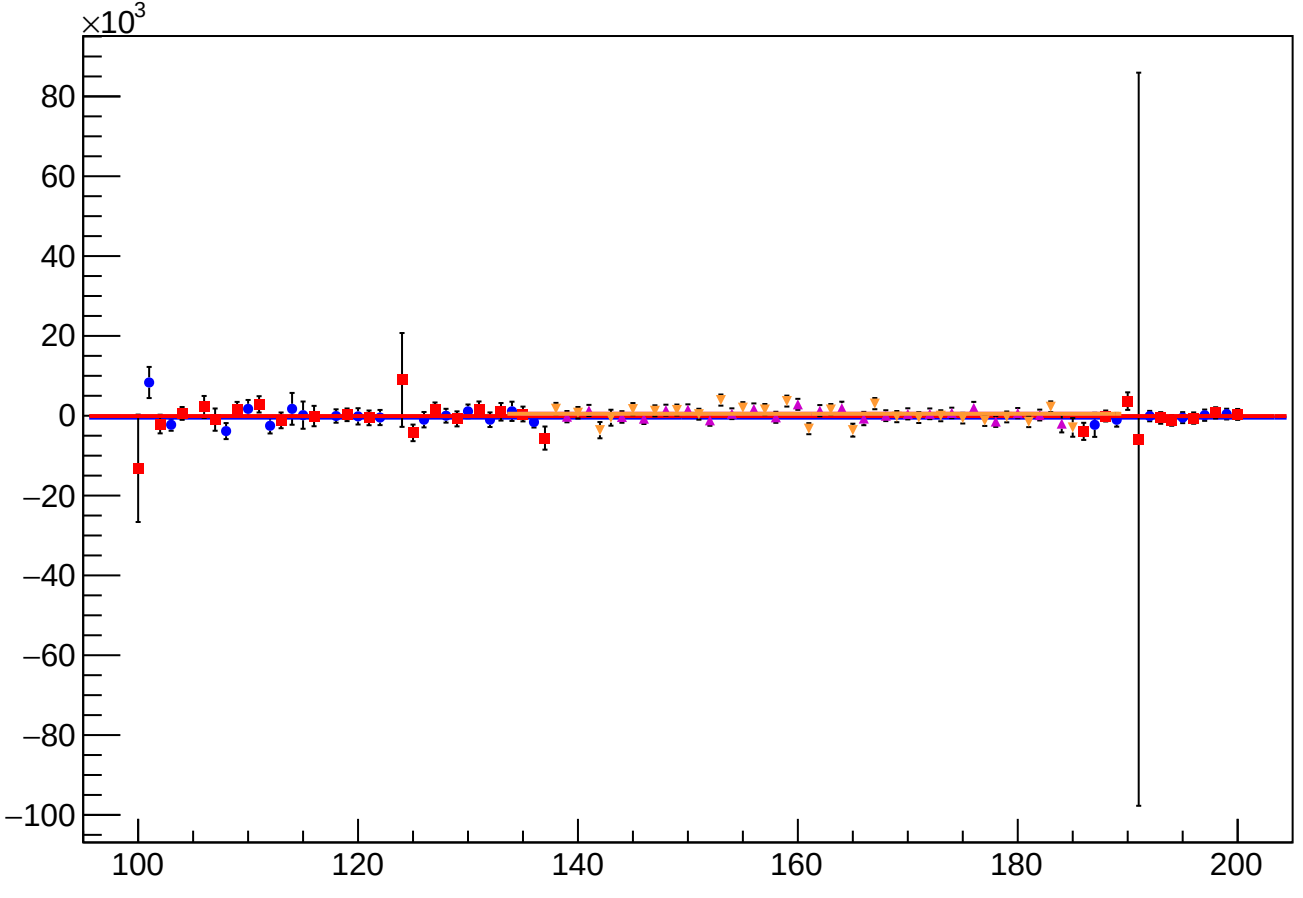
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

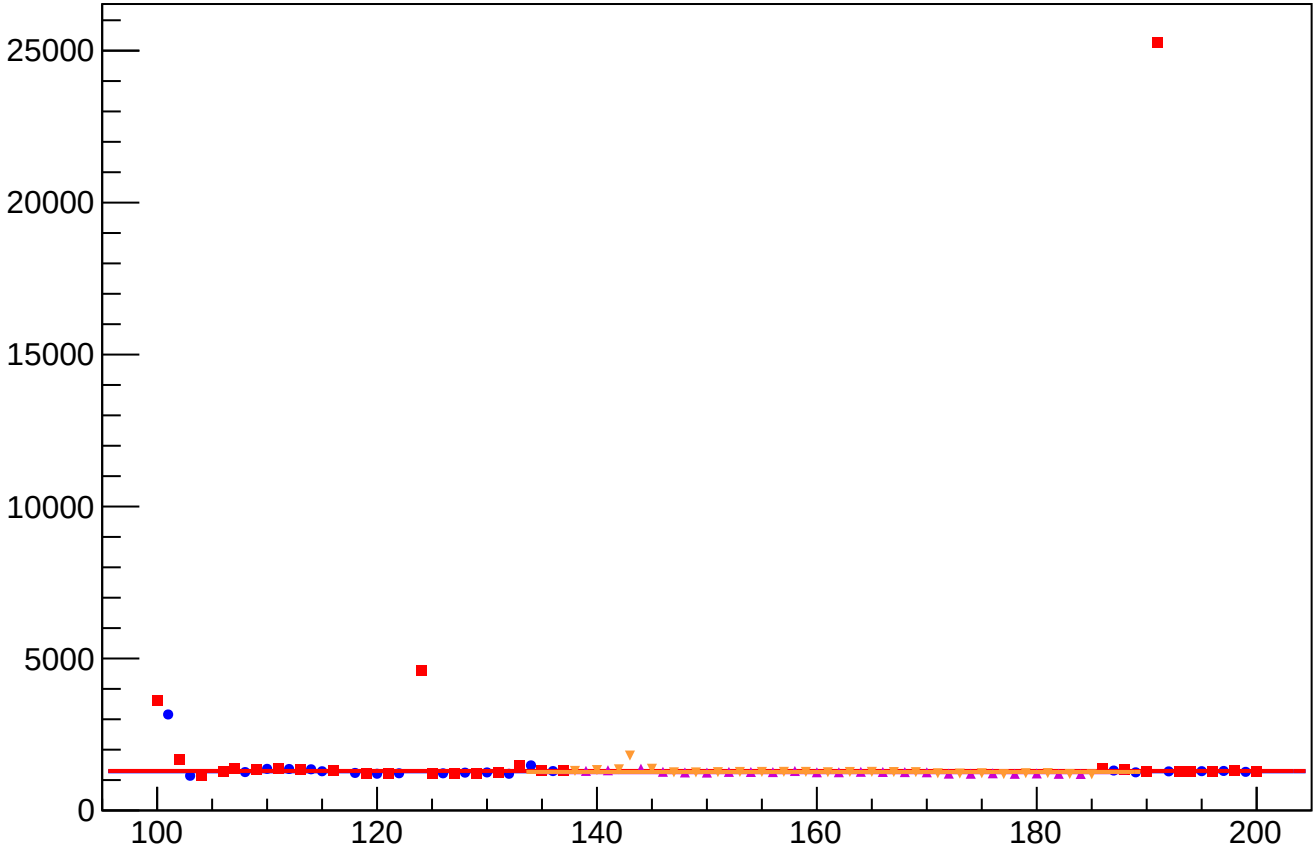
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

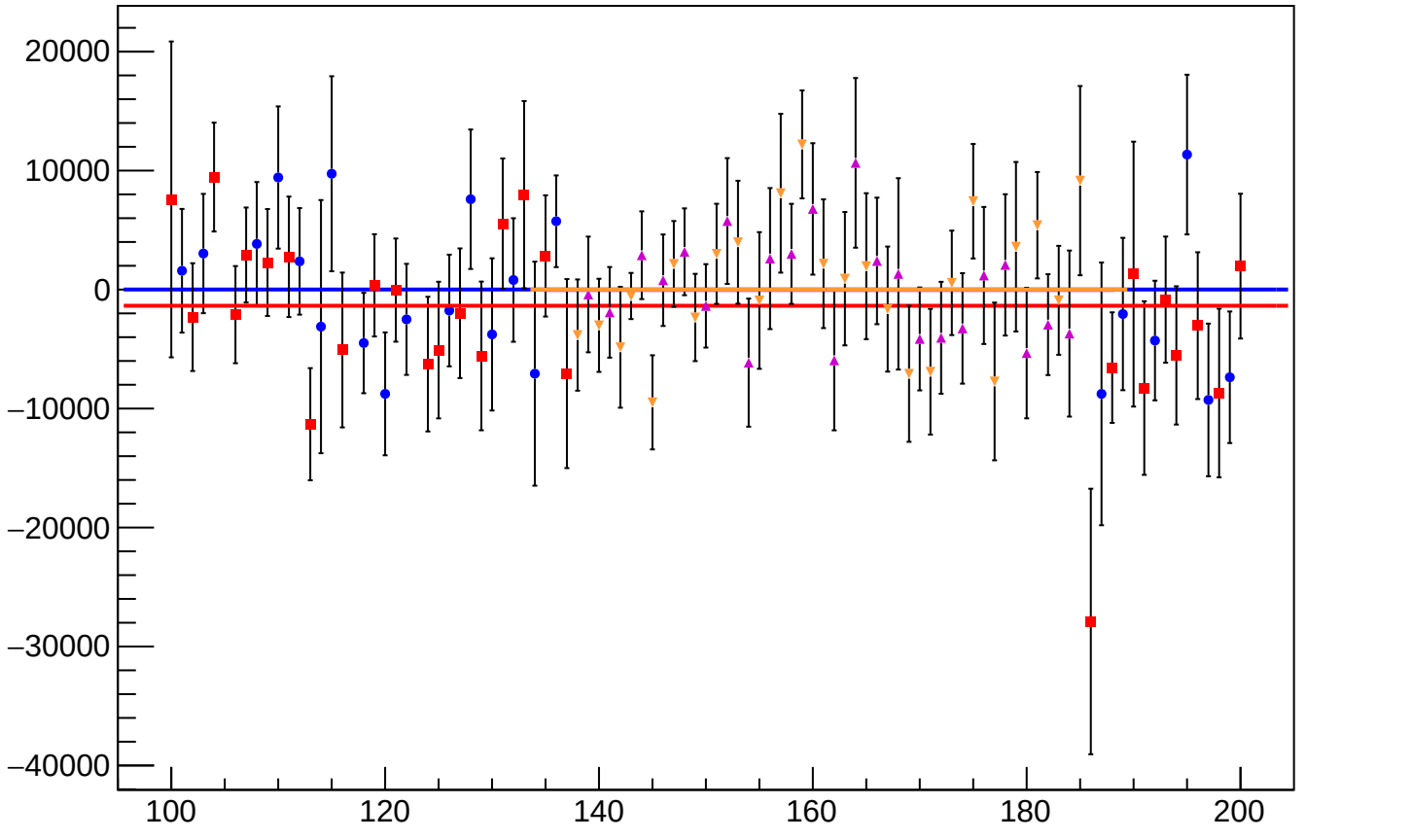
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

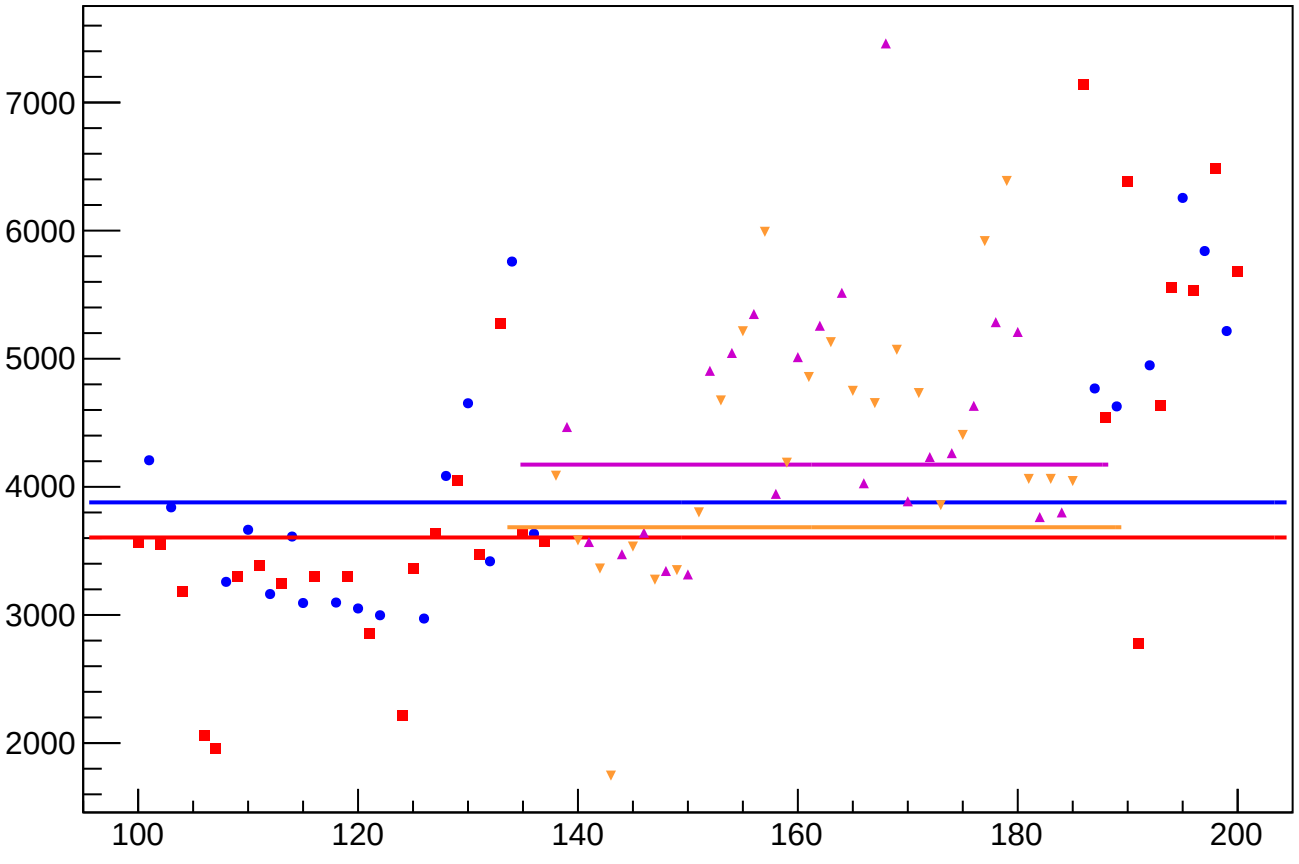
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -329.551+/-503.987 χ^2/NDF: 96.4/97

- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

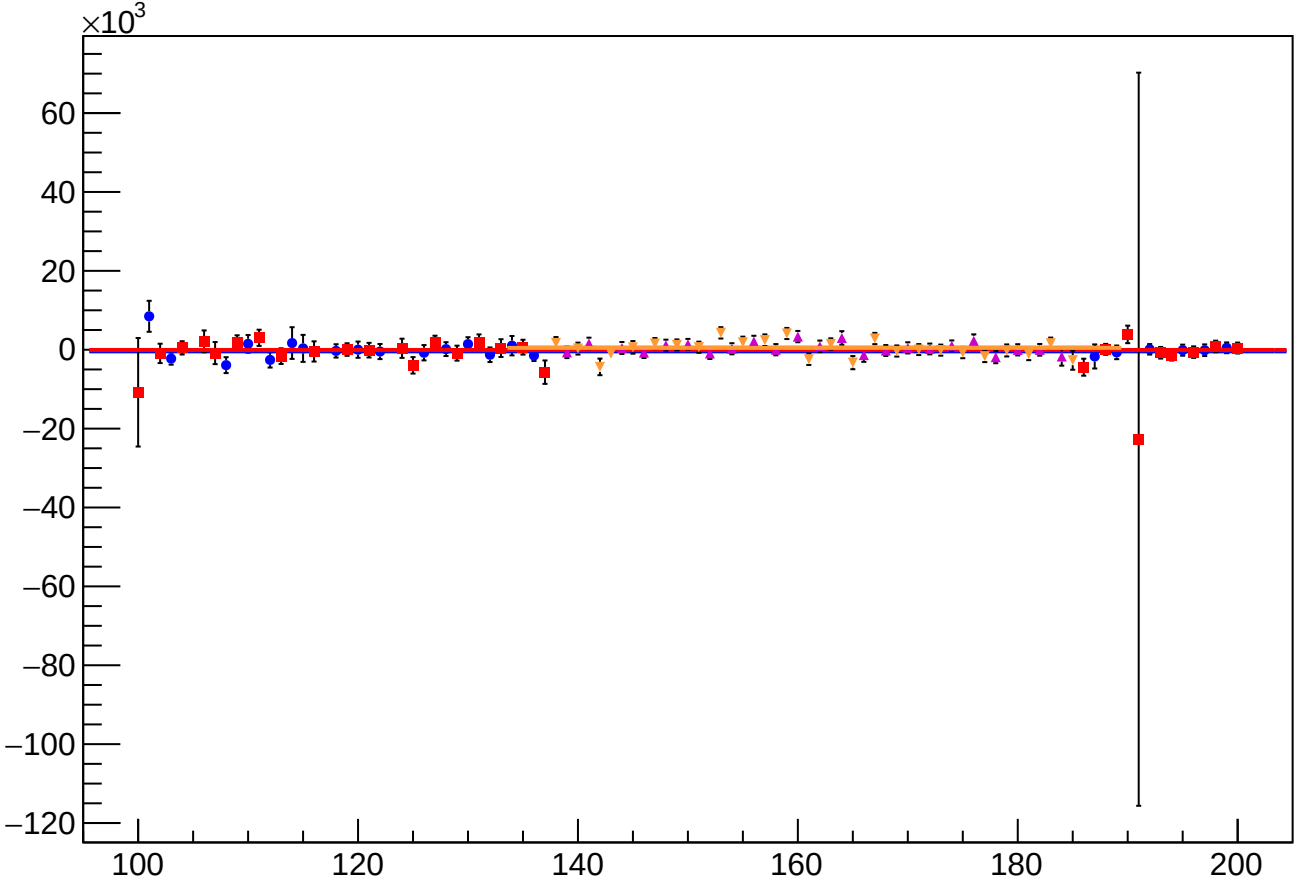
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.926+/-361.960 χ^2/NDF: 24.1/27

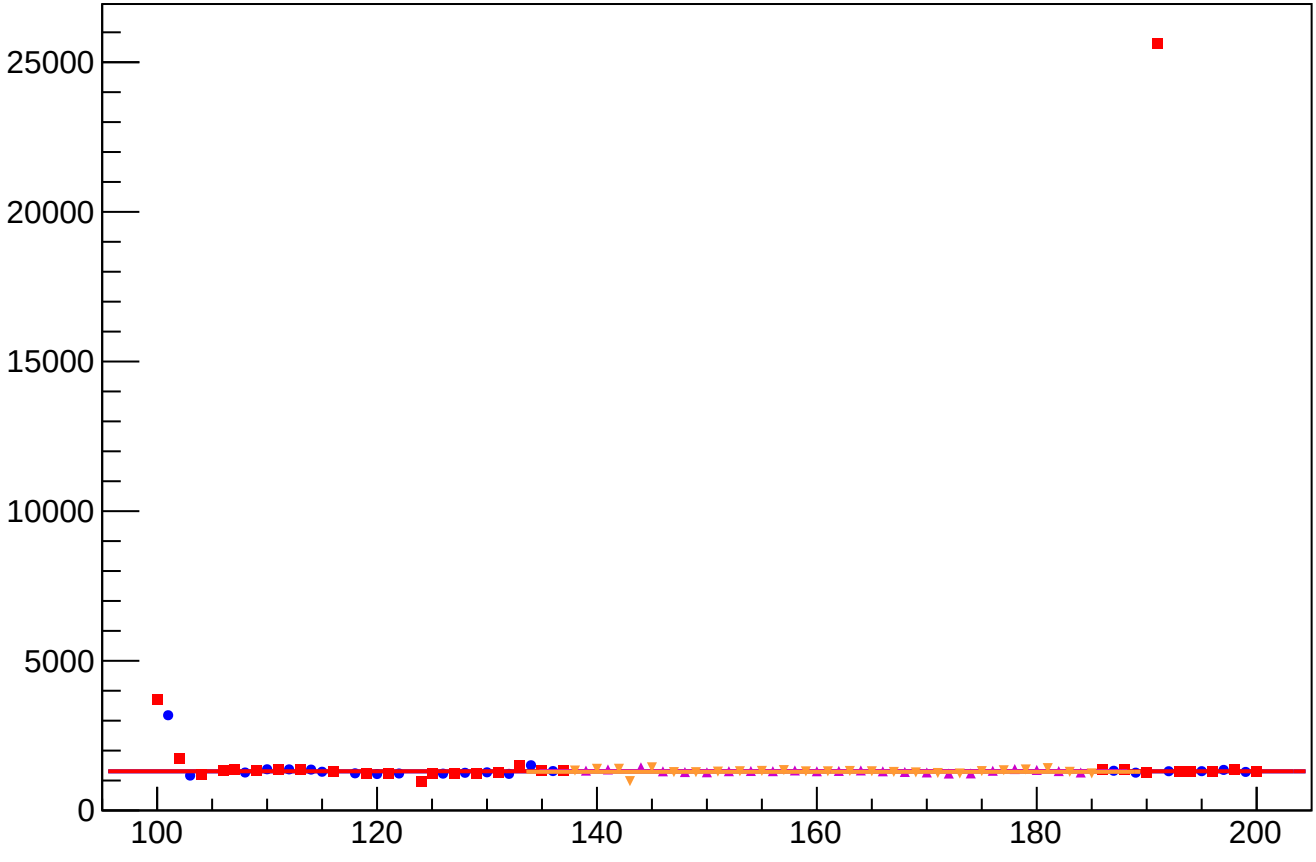
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 209.246+/-165.761 χ^2/NDF: 105.5/97

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

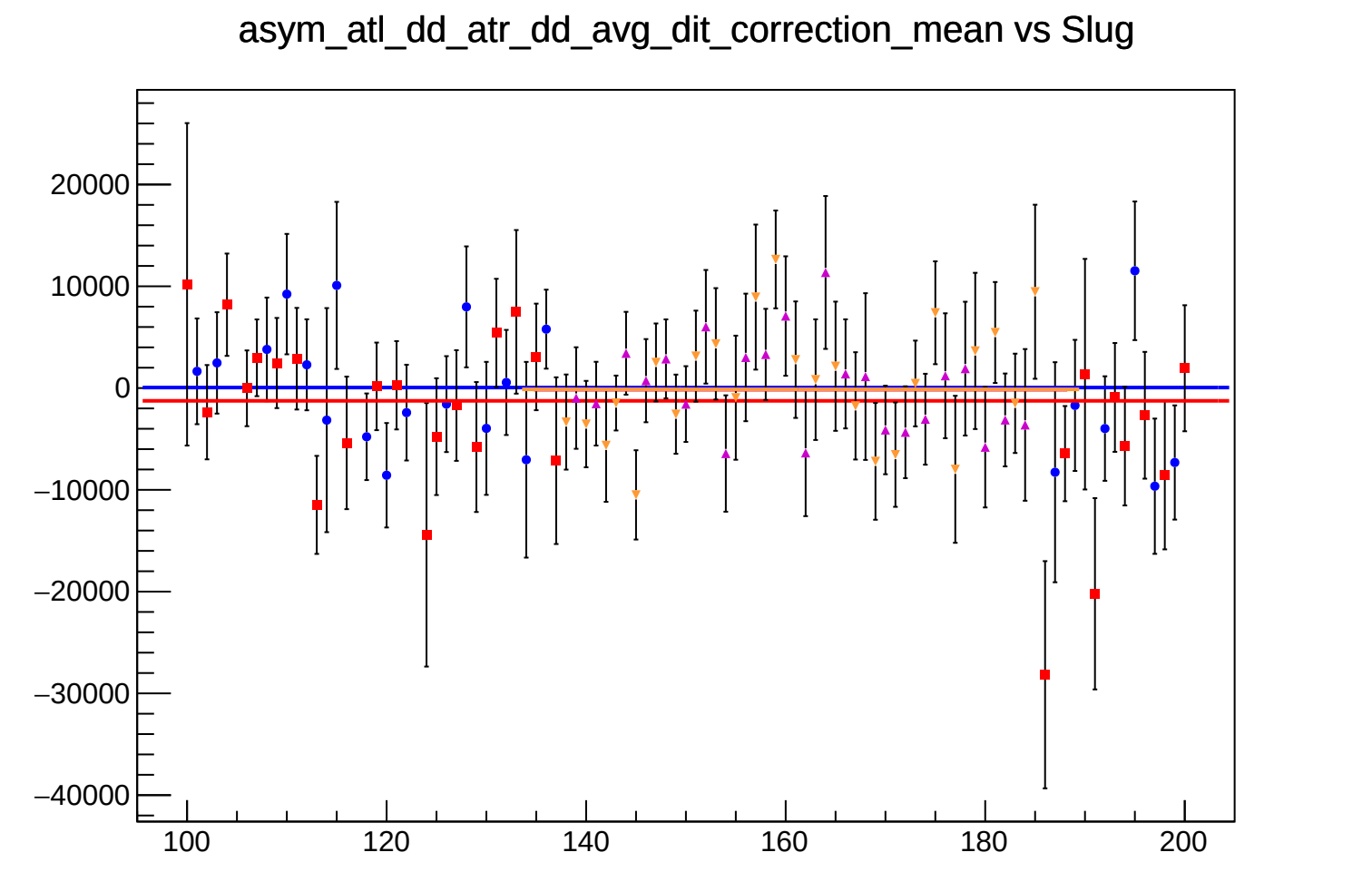
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1253.721+/-1052.769 χ^2/NDF: 30.9/27

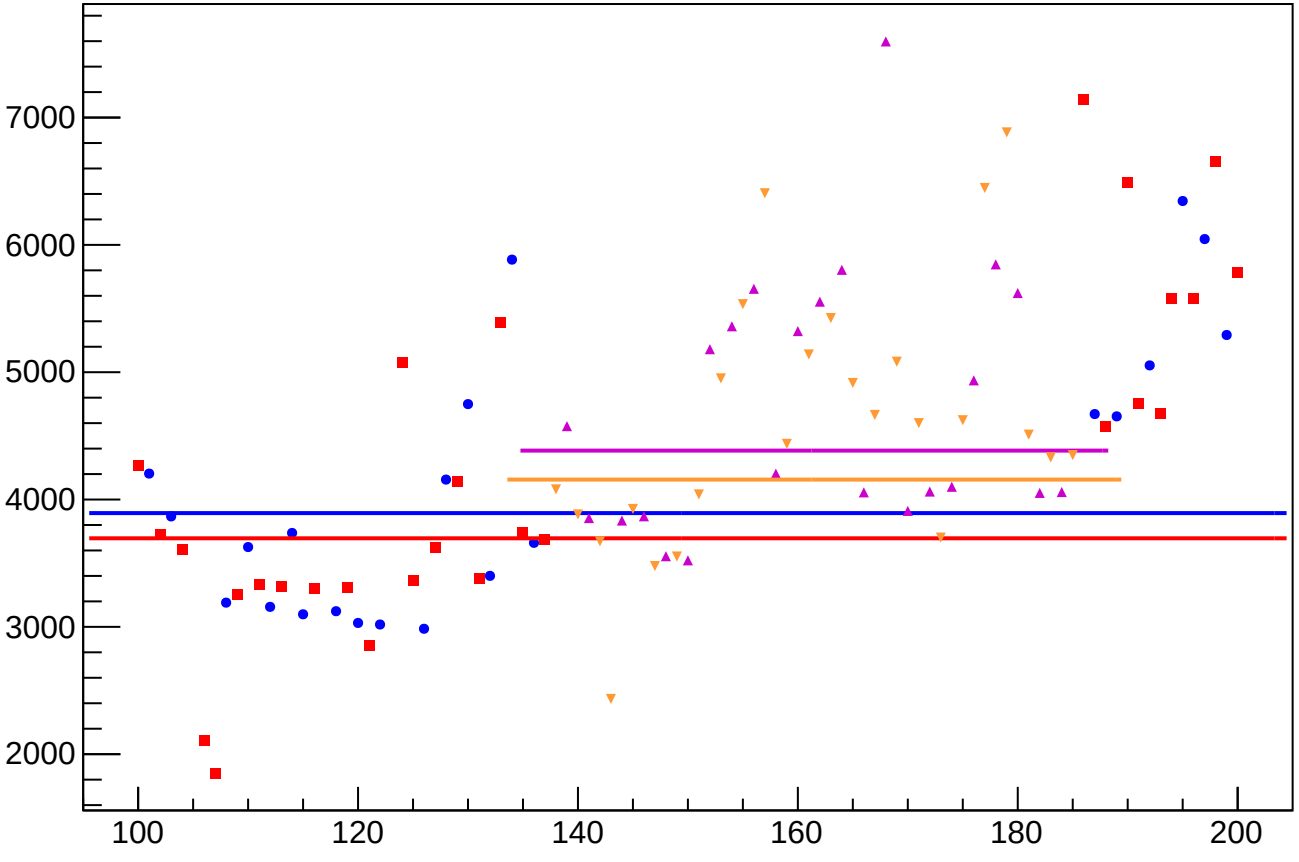
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

- sign -702.801+/-741.840 χ^2/NDF: 45.3/50

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

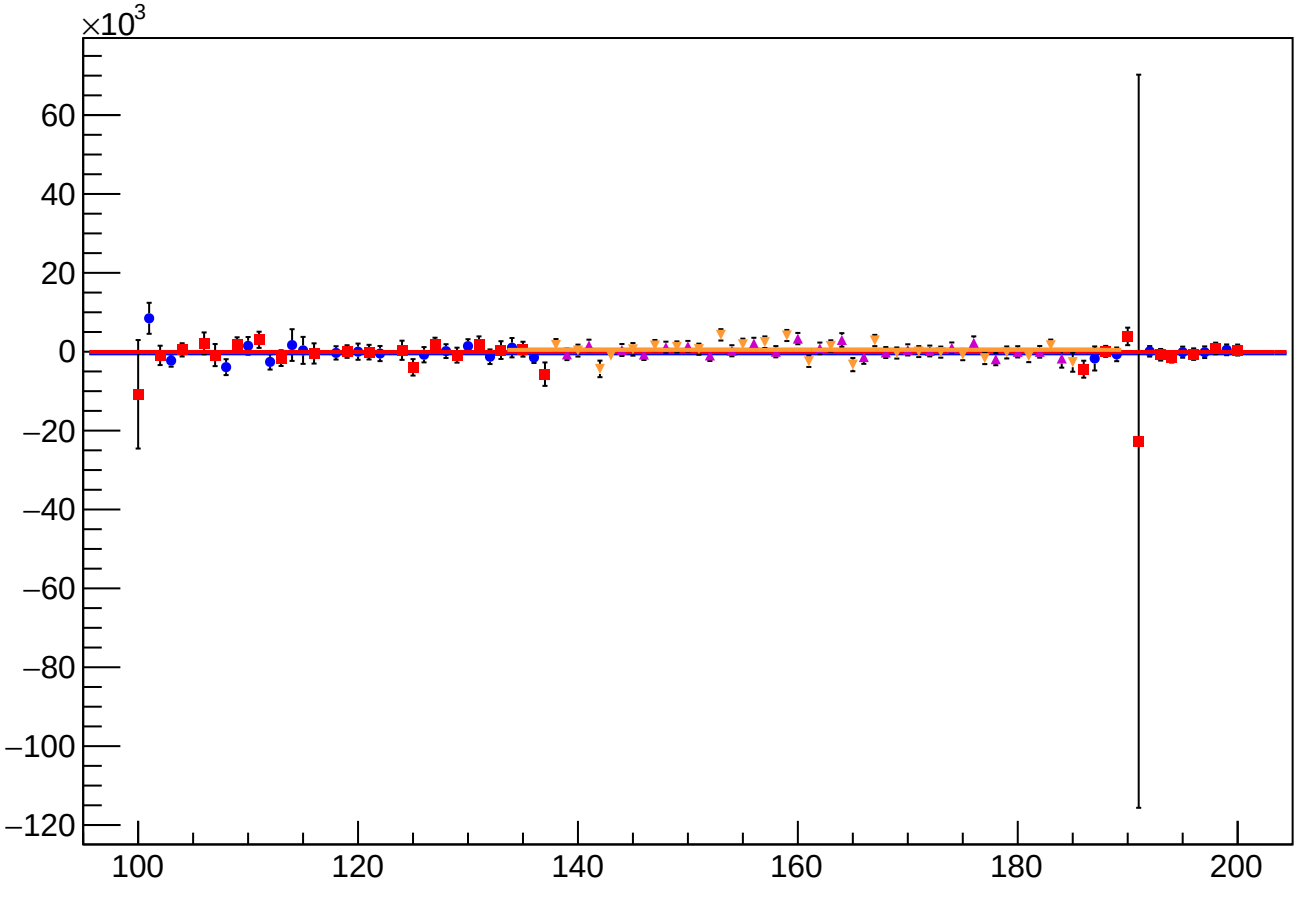
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.922+/-361.960 χ^2/NDF: 24.1/27

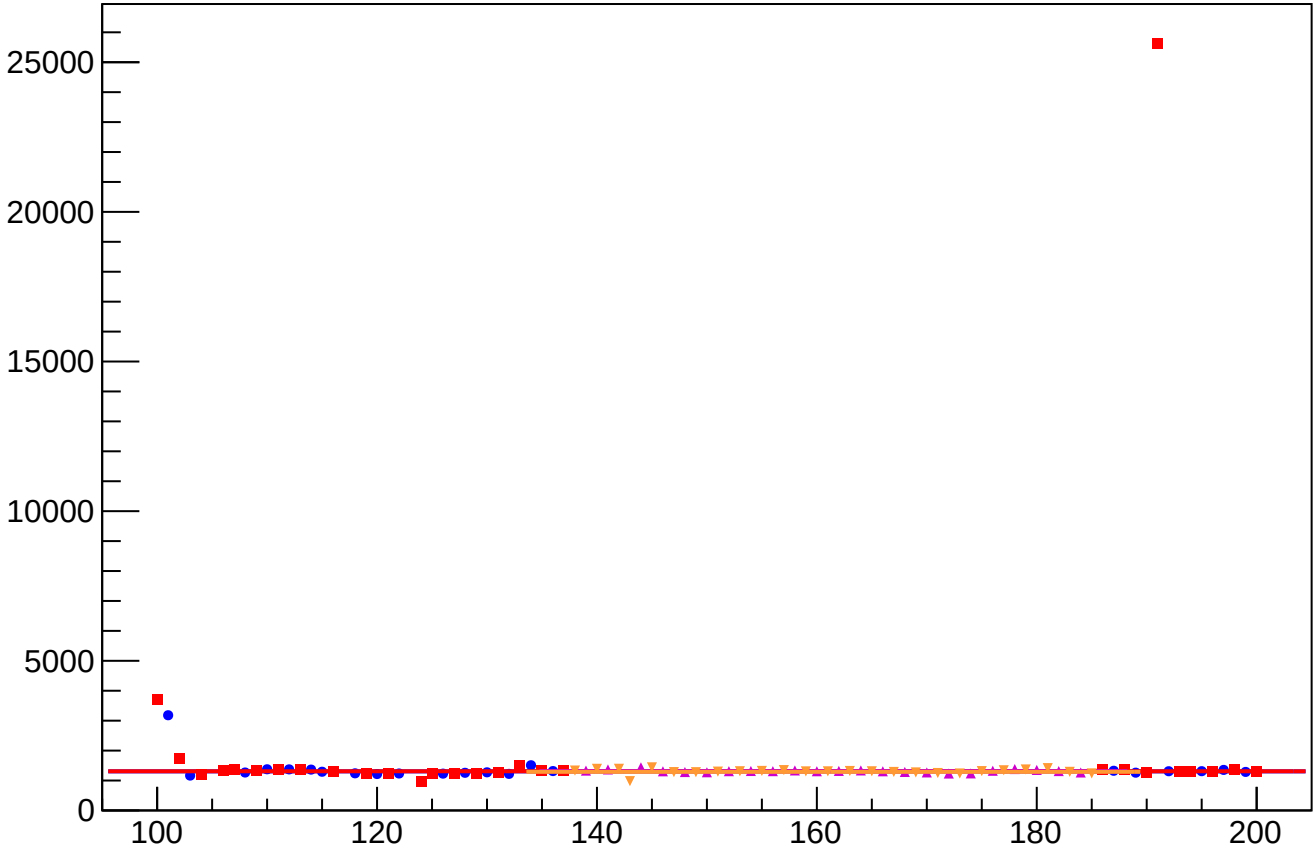
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 209.248+/-165.761 χ^2/NDF: 105.5/97

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

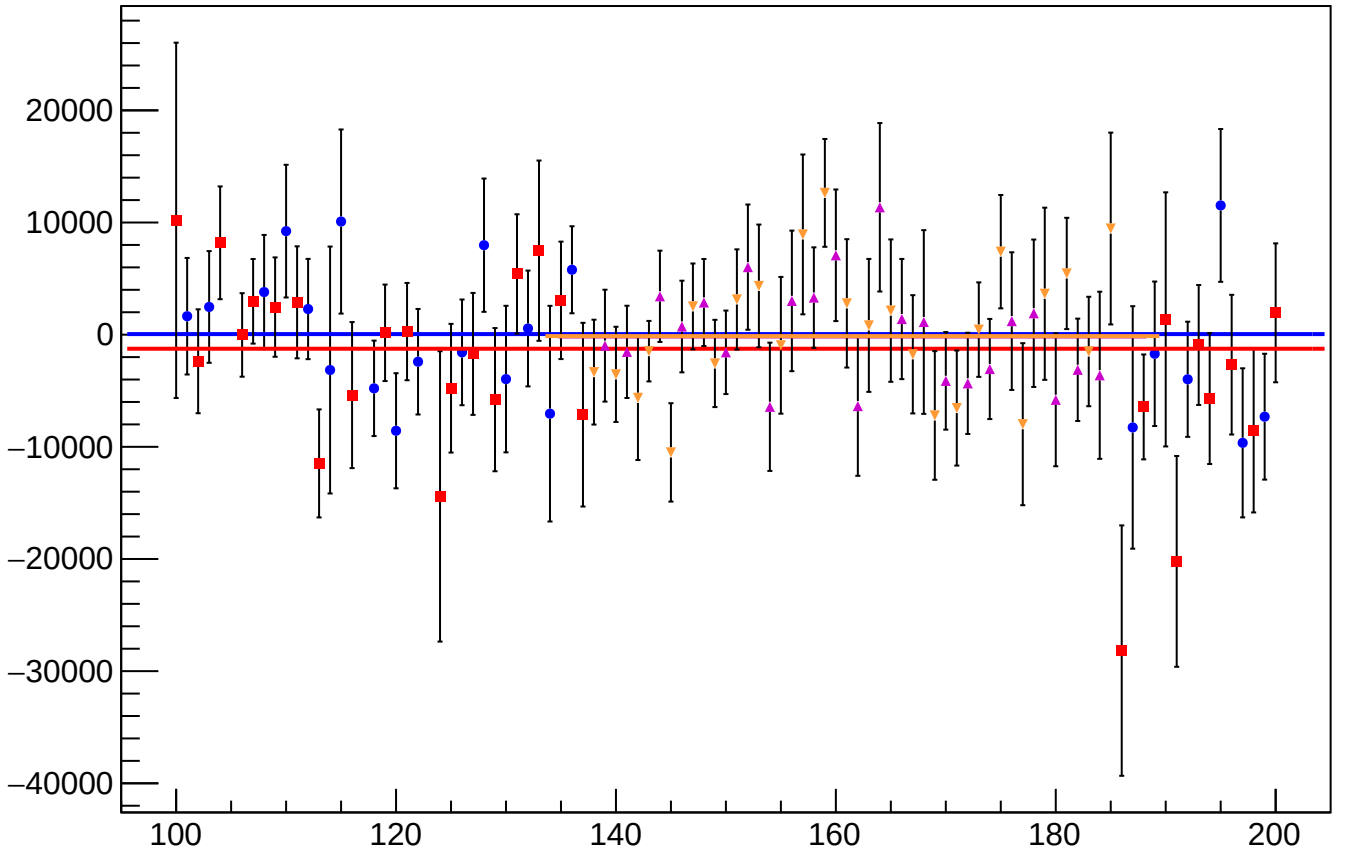
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

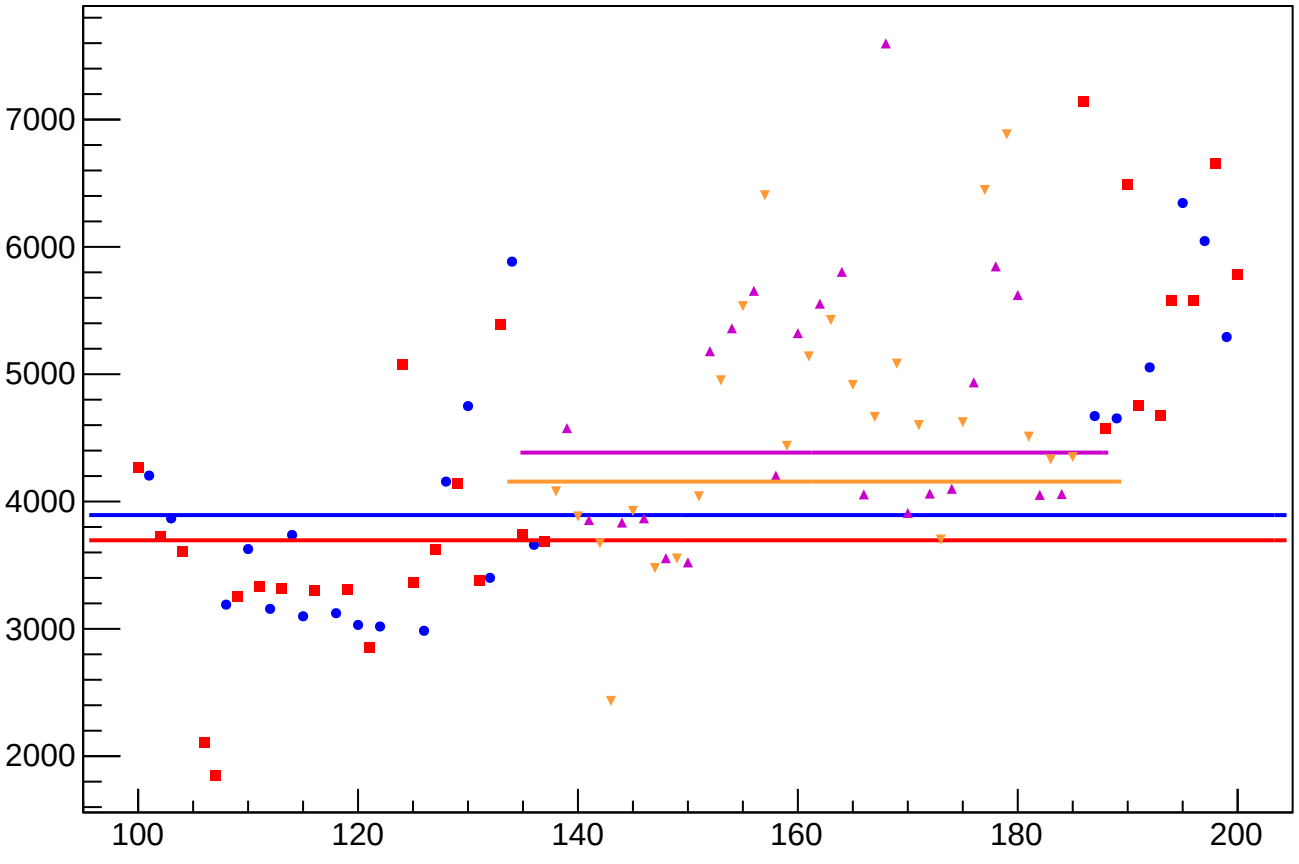
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

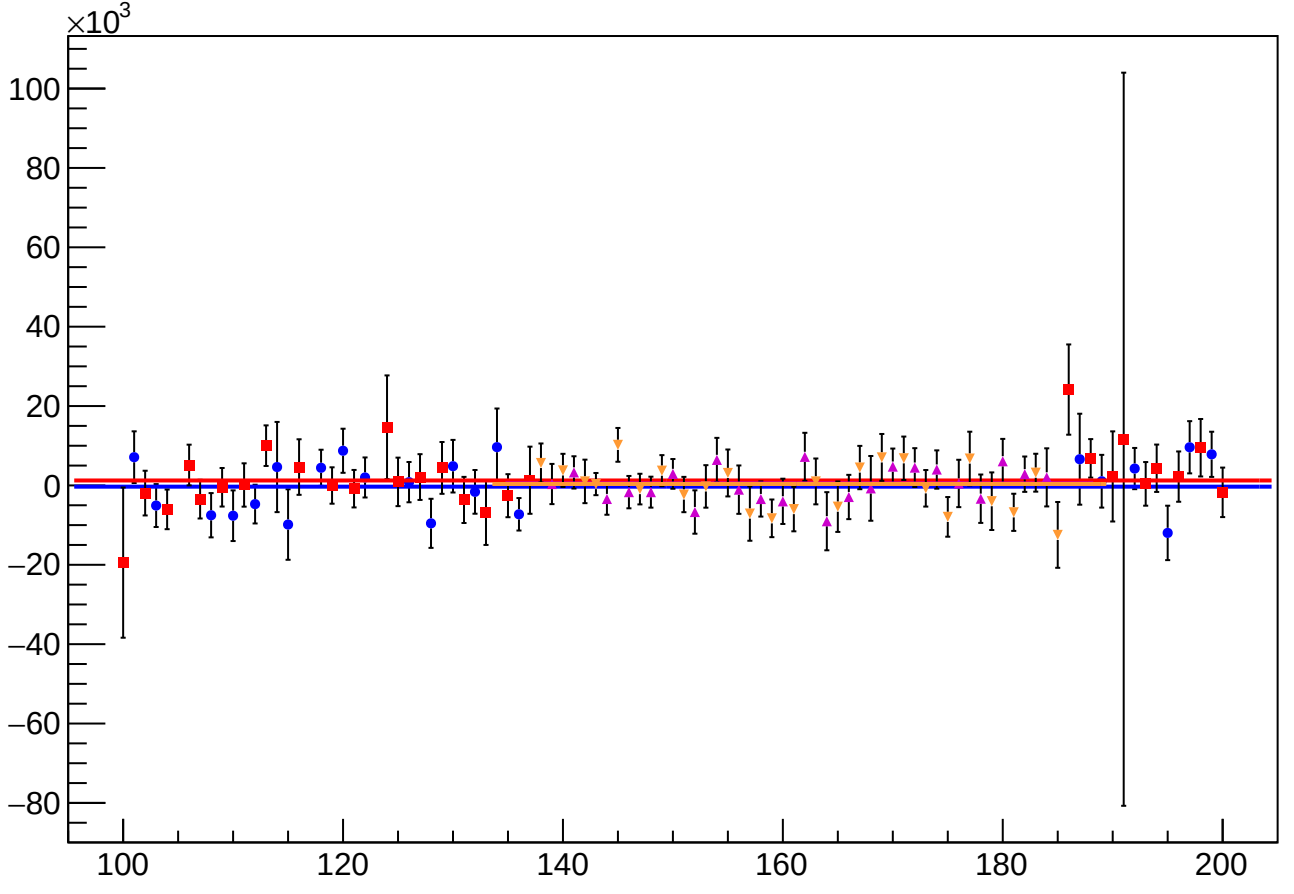
\+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

\- sign -702.799+/-741.840 χ^2/NDF: 45.3/50


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3893.463+/-0.837 χ²/NDF: 1271176.6/21
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3695.485+/-0.744 χ²/NDF: 2545757.0/27
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4049.905+/-0.533 χ²/NDF: 3410733.9/46
All: 4046.038+/-0.374 χ²/NDF: 7643162.4/97
- sign 4042.289+/-0.525 χ²/NDF: 4232324.8/50

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

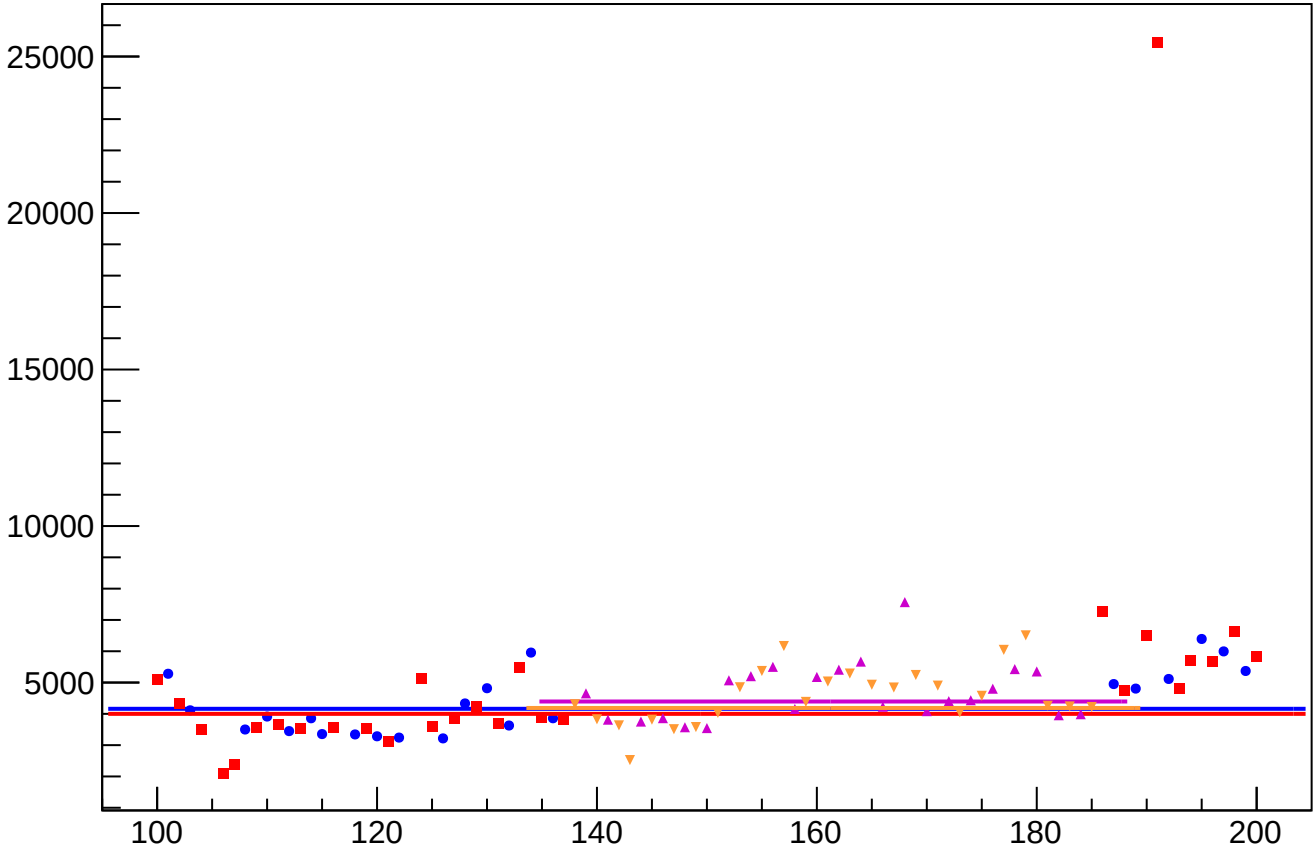
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 470.347+/-547.396 χ^2/NDF: 88.3/97

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

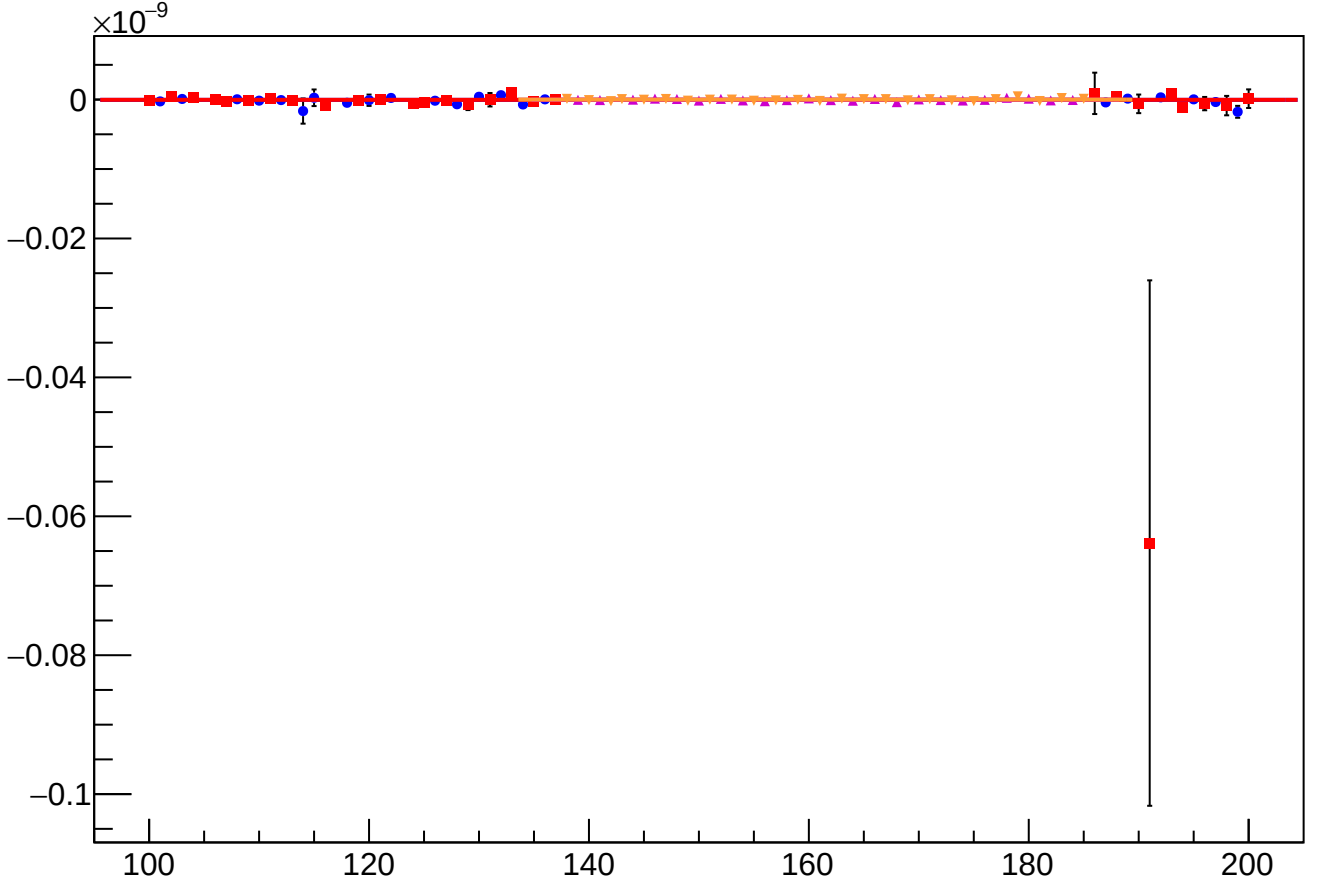
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4196.357+/-0.386 χ^2/NDF: 6183817.4/97

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

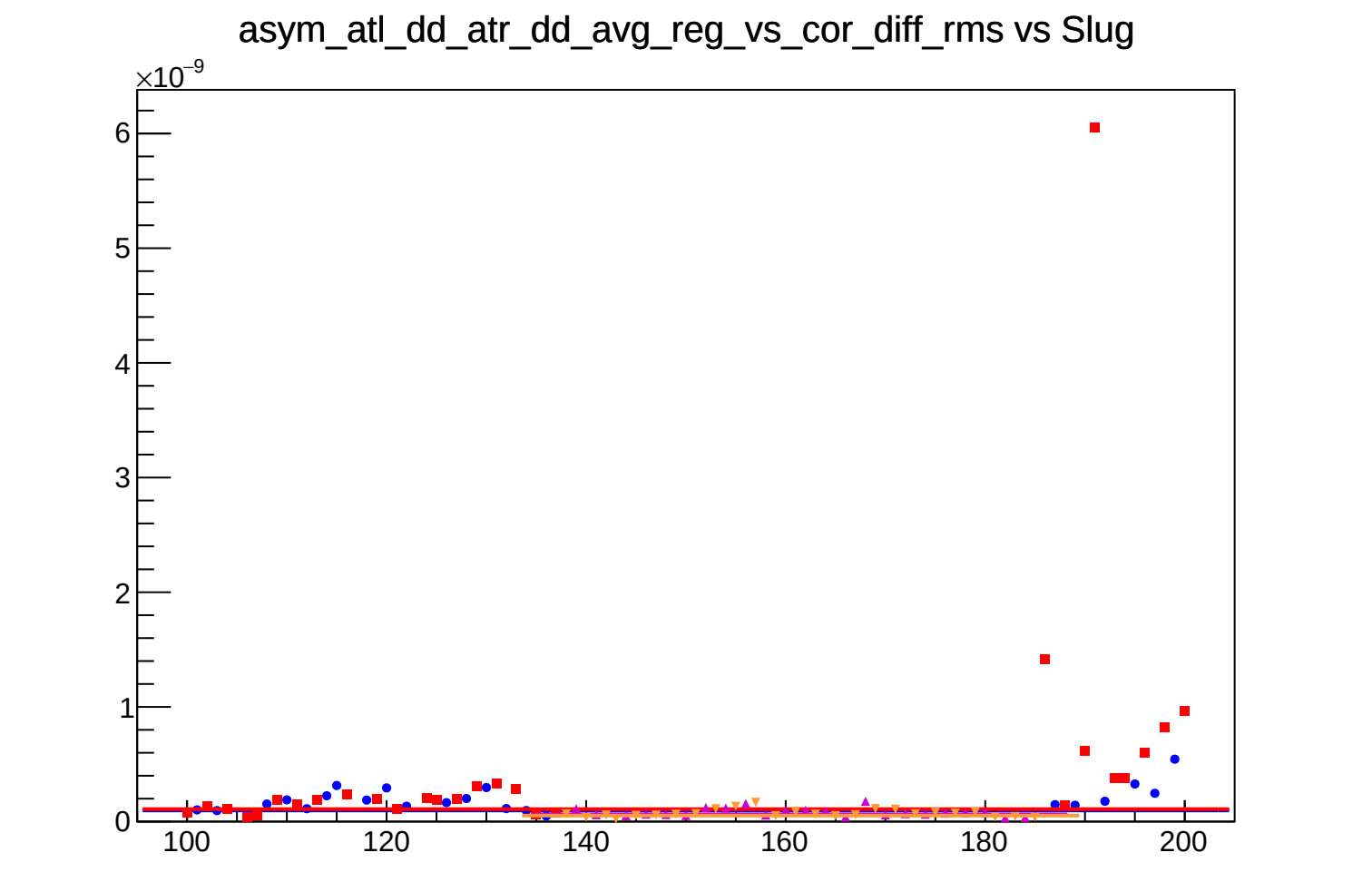
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/97

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 2514456.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5105723.8/27

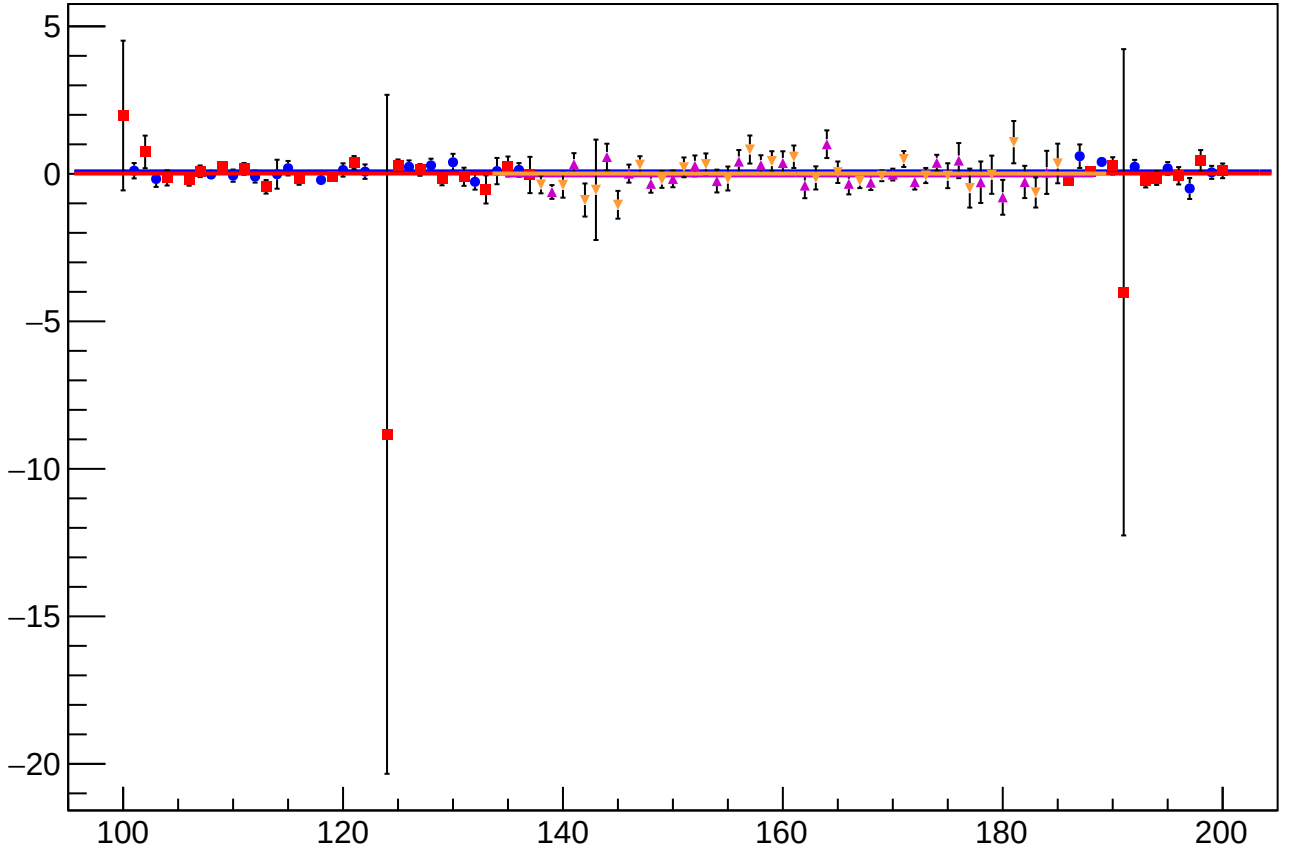
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6234146.5/46

All: 0.000+/-0.000 χ^2/NDF: 14336777.1/97

- sign 0.000+/-0.000 χ^2/NDF: 7822444.8/50

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

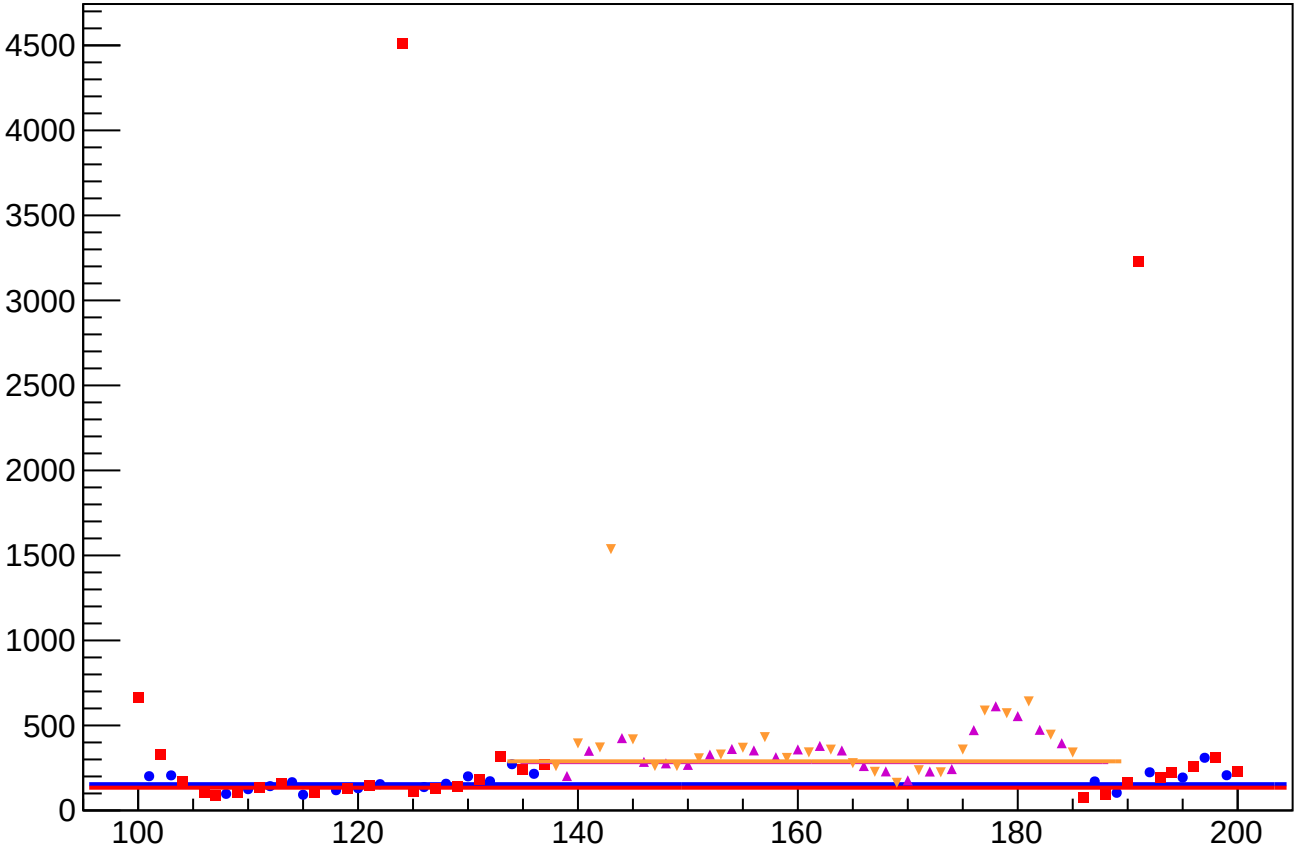
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

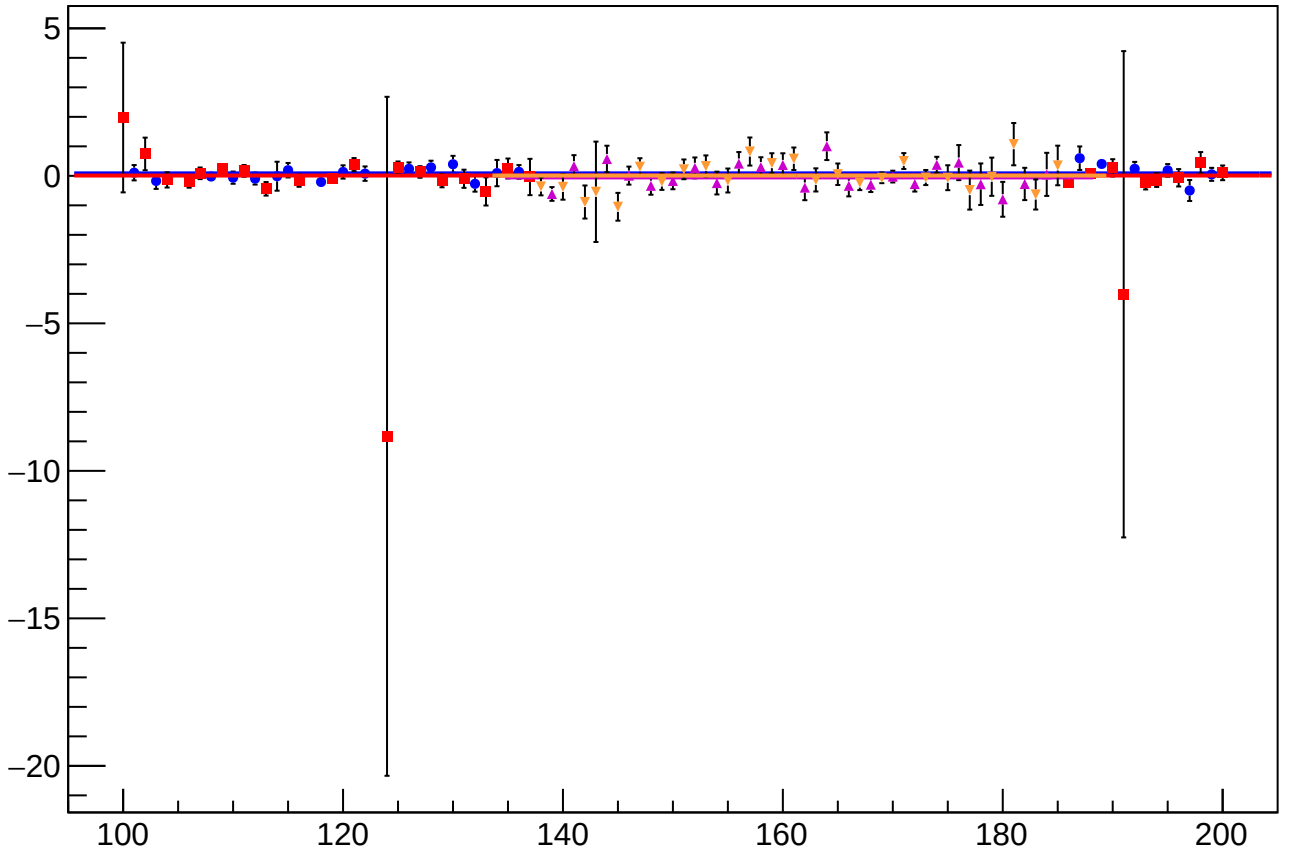
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

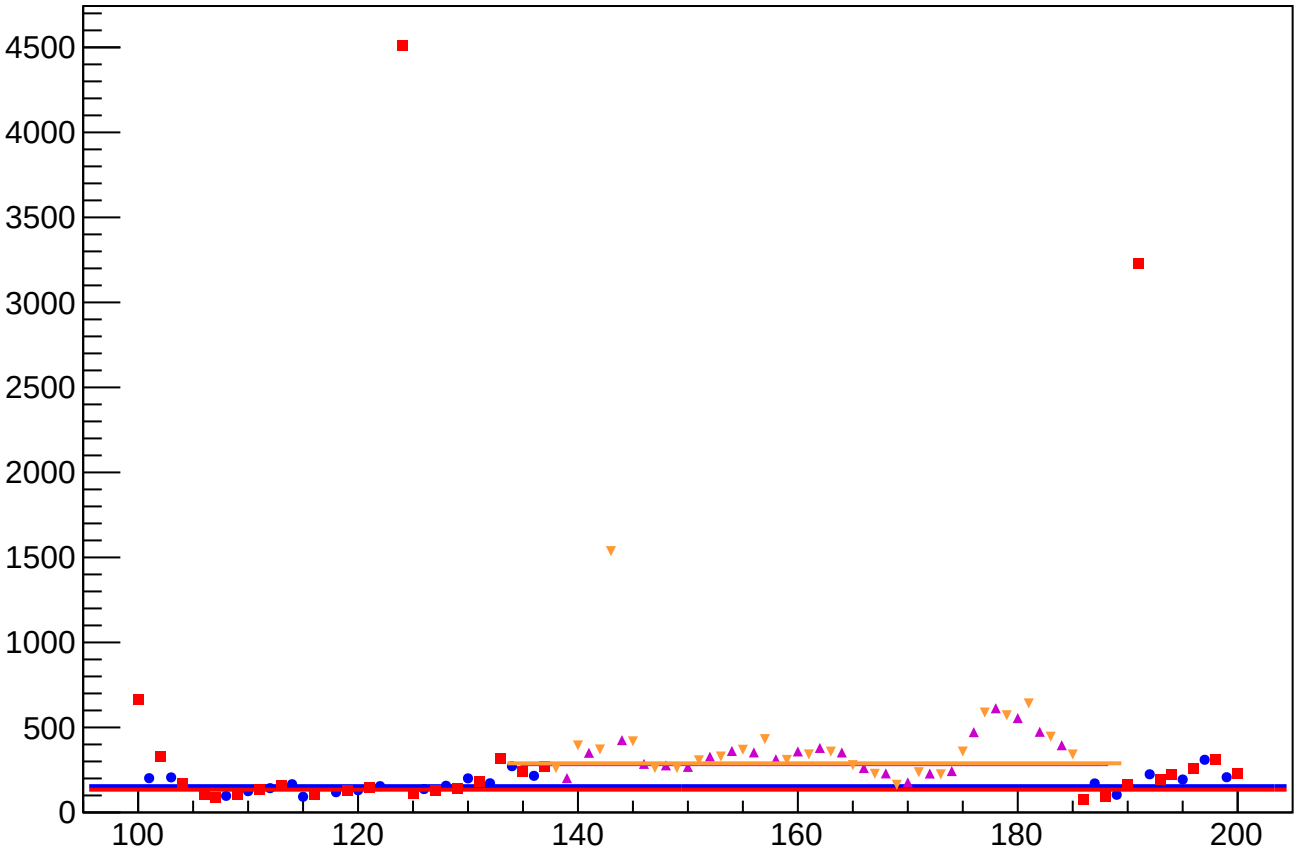
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

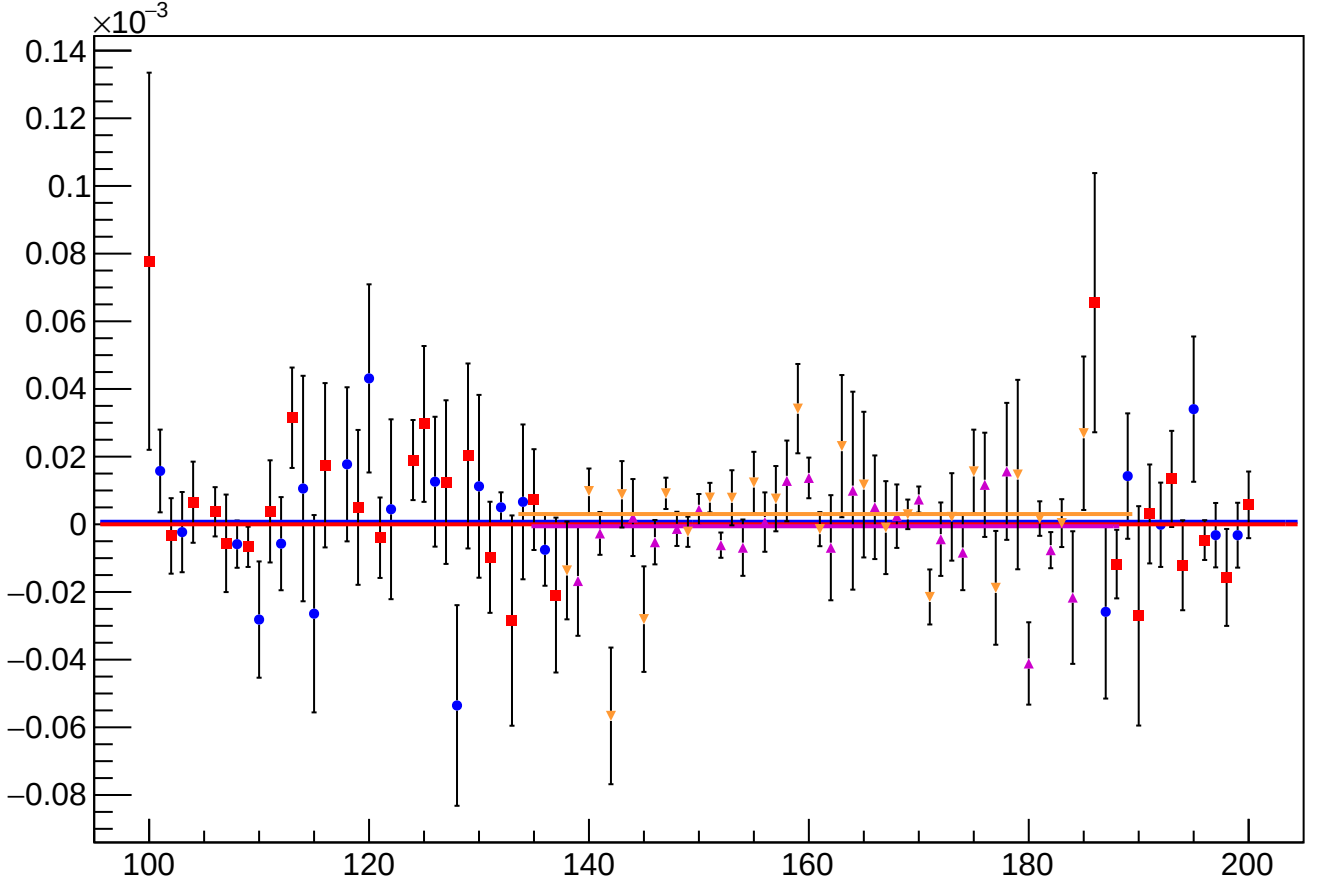
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

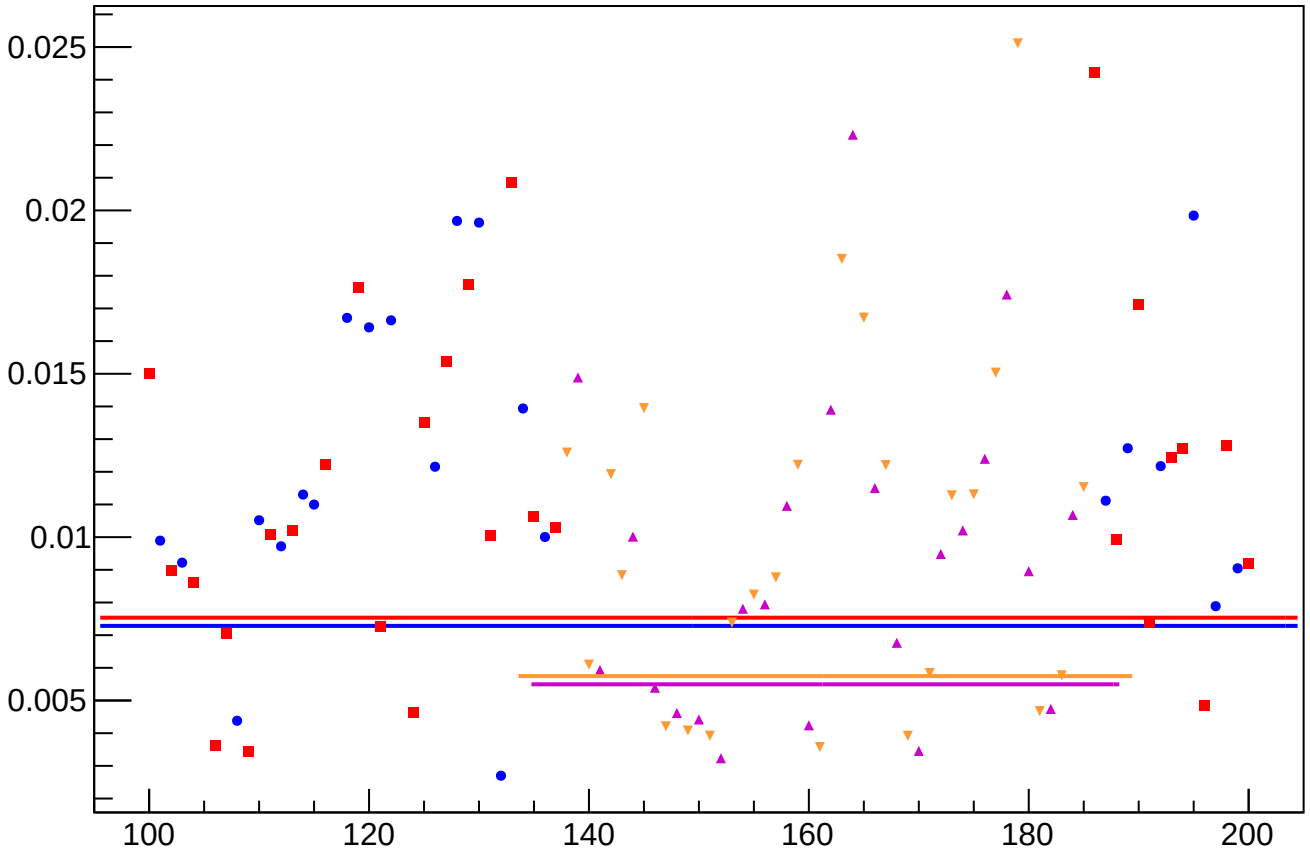
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/46

All: 0.000+/-0.000 χ^2/NDF: 123.2/97

- sign -0.000+/-0.000 χ^2/NDF: 58.7/50



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

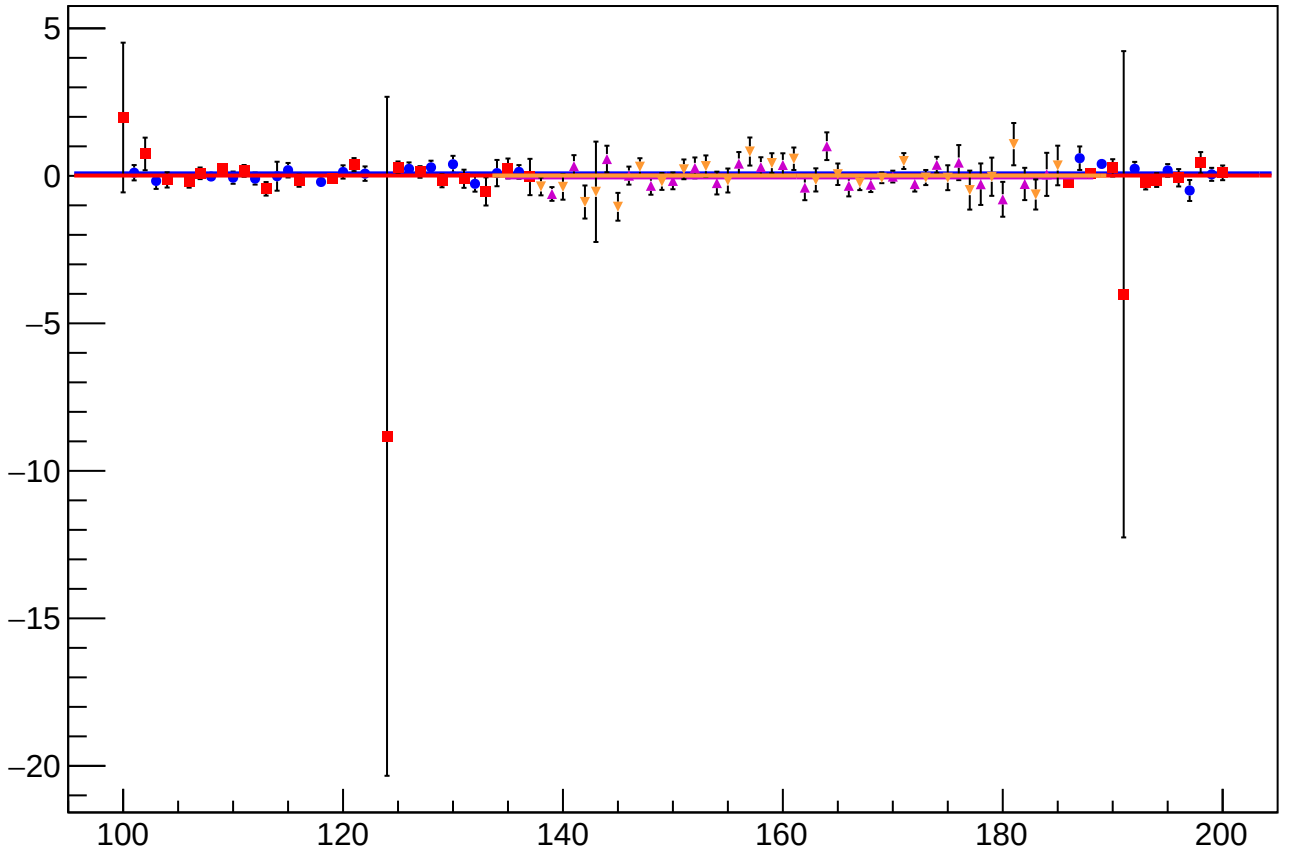
Right Out: 0.008+/-0.000 χ^2/NDF: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

\- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

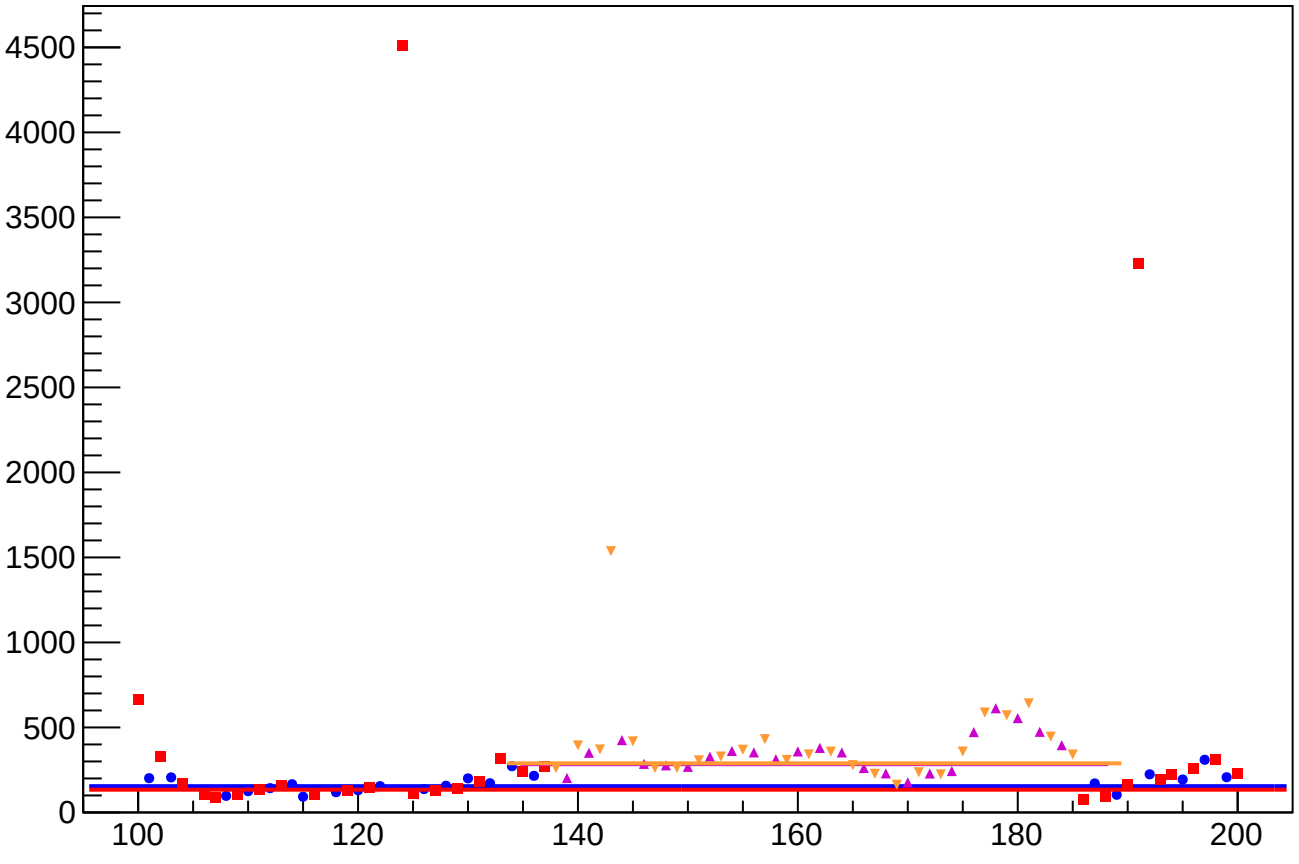
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

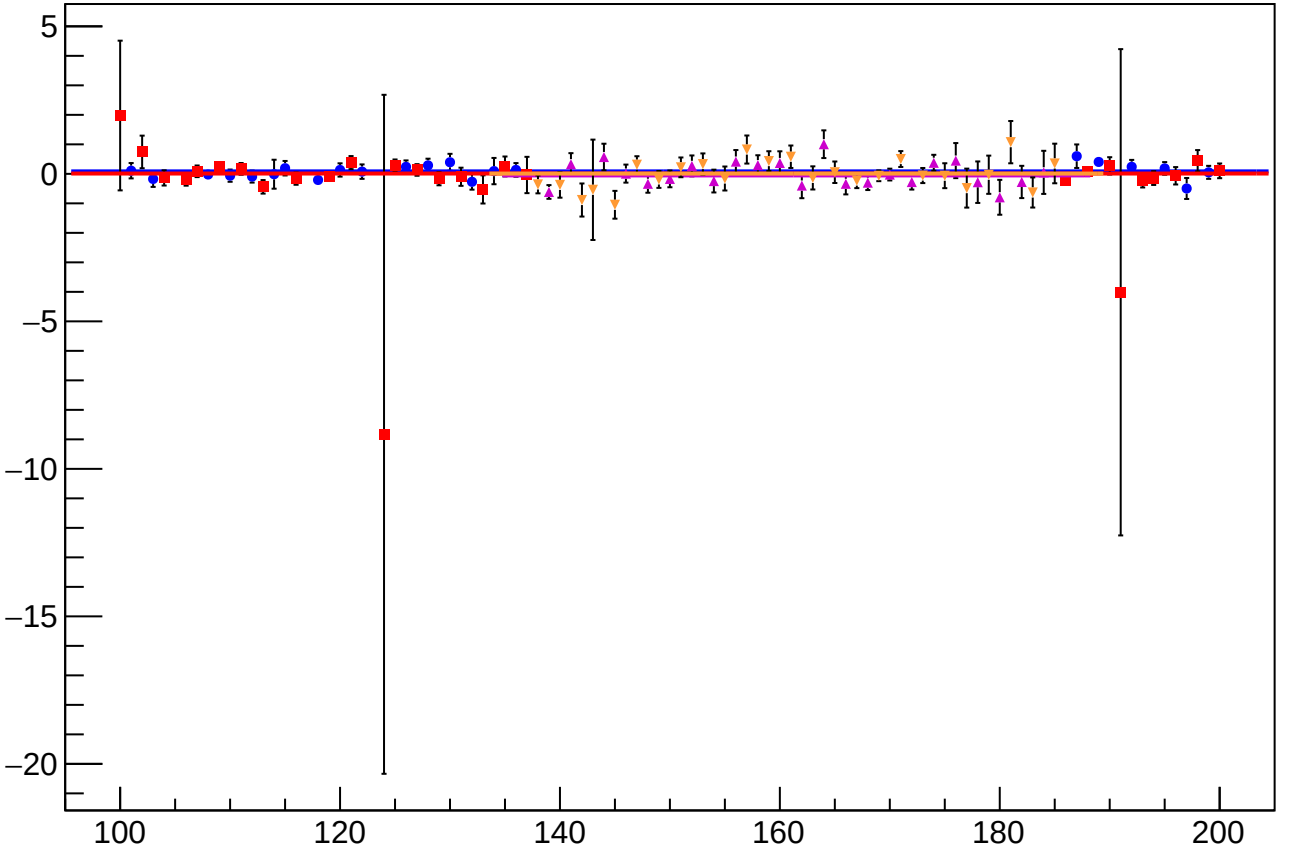
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

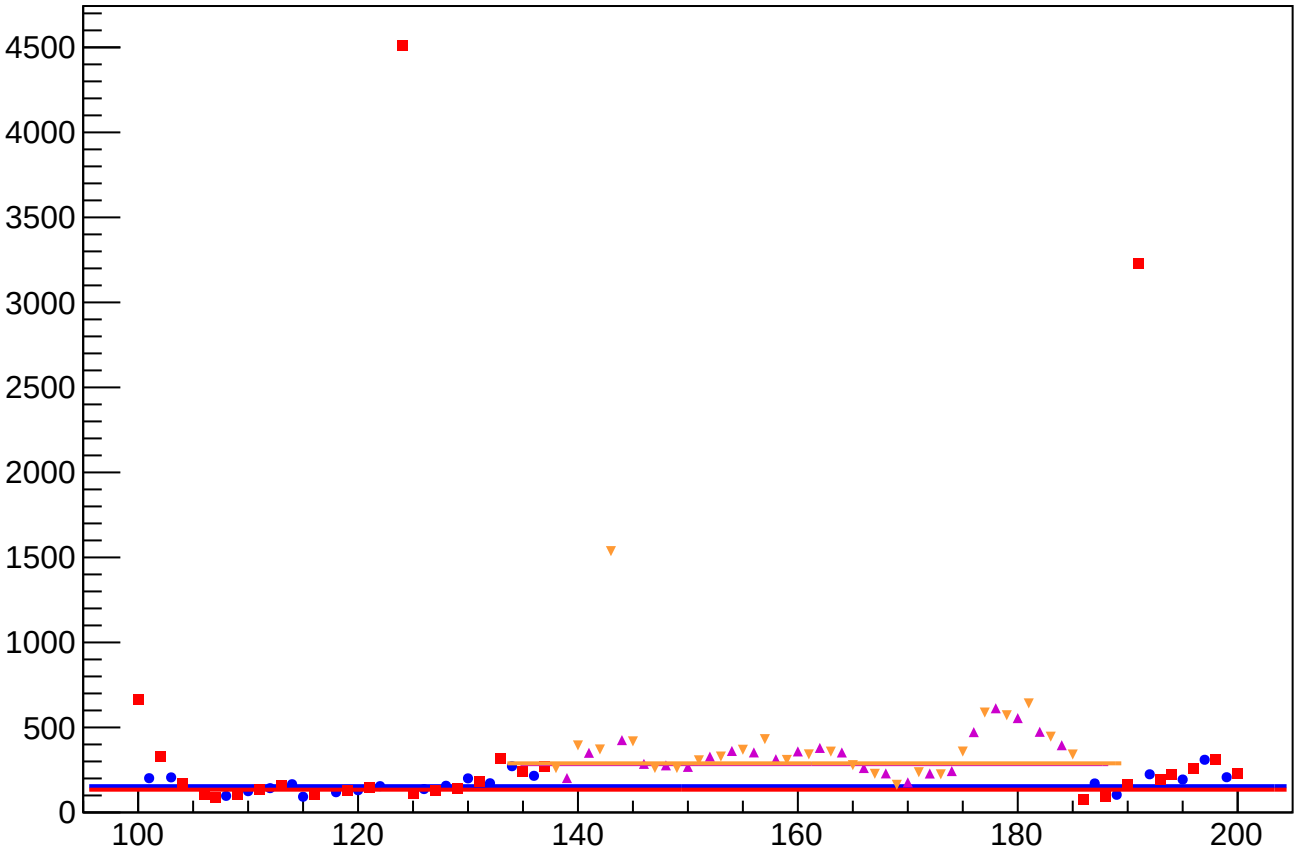
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

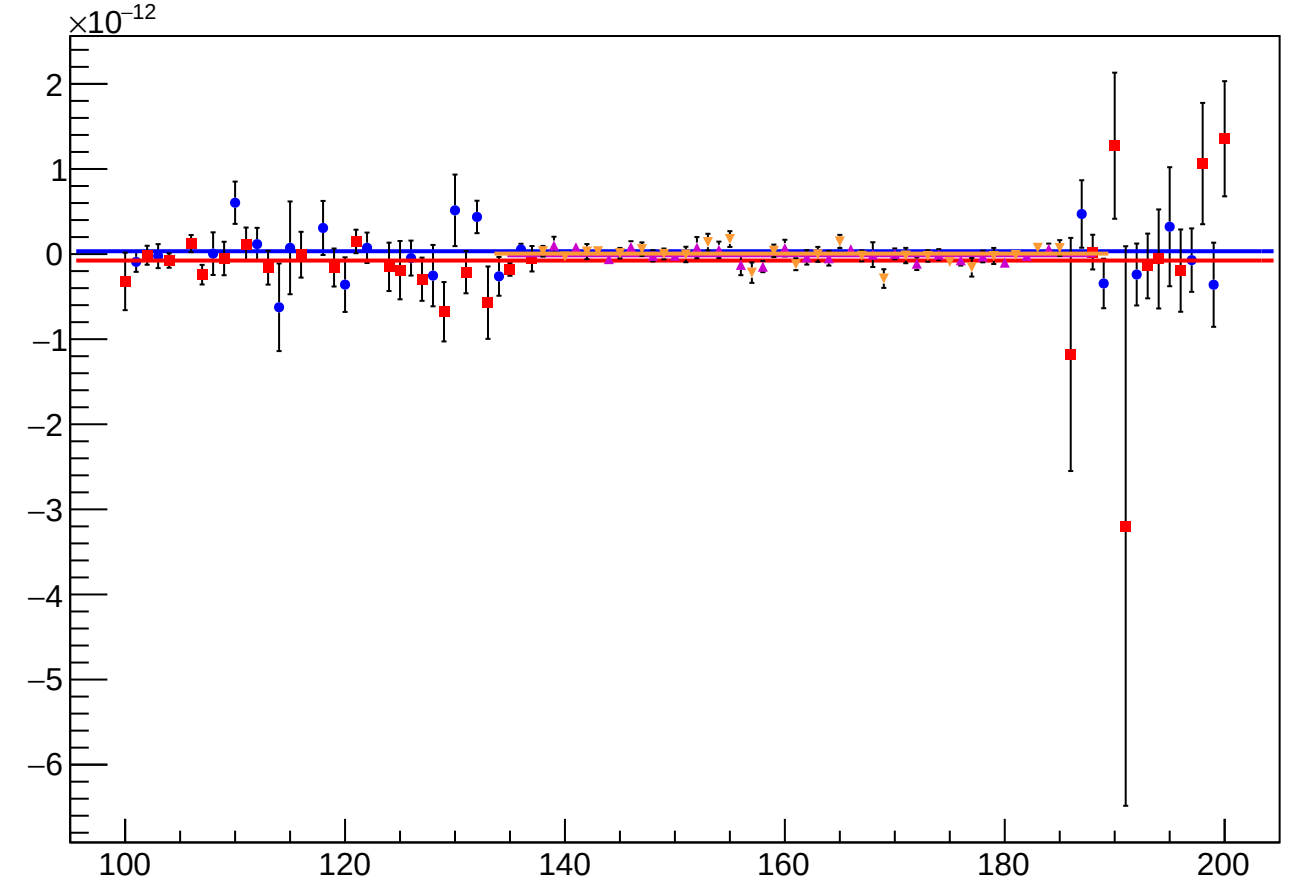
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

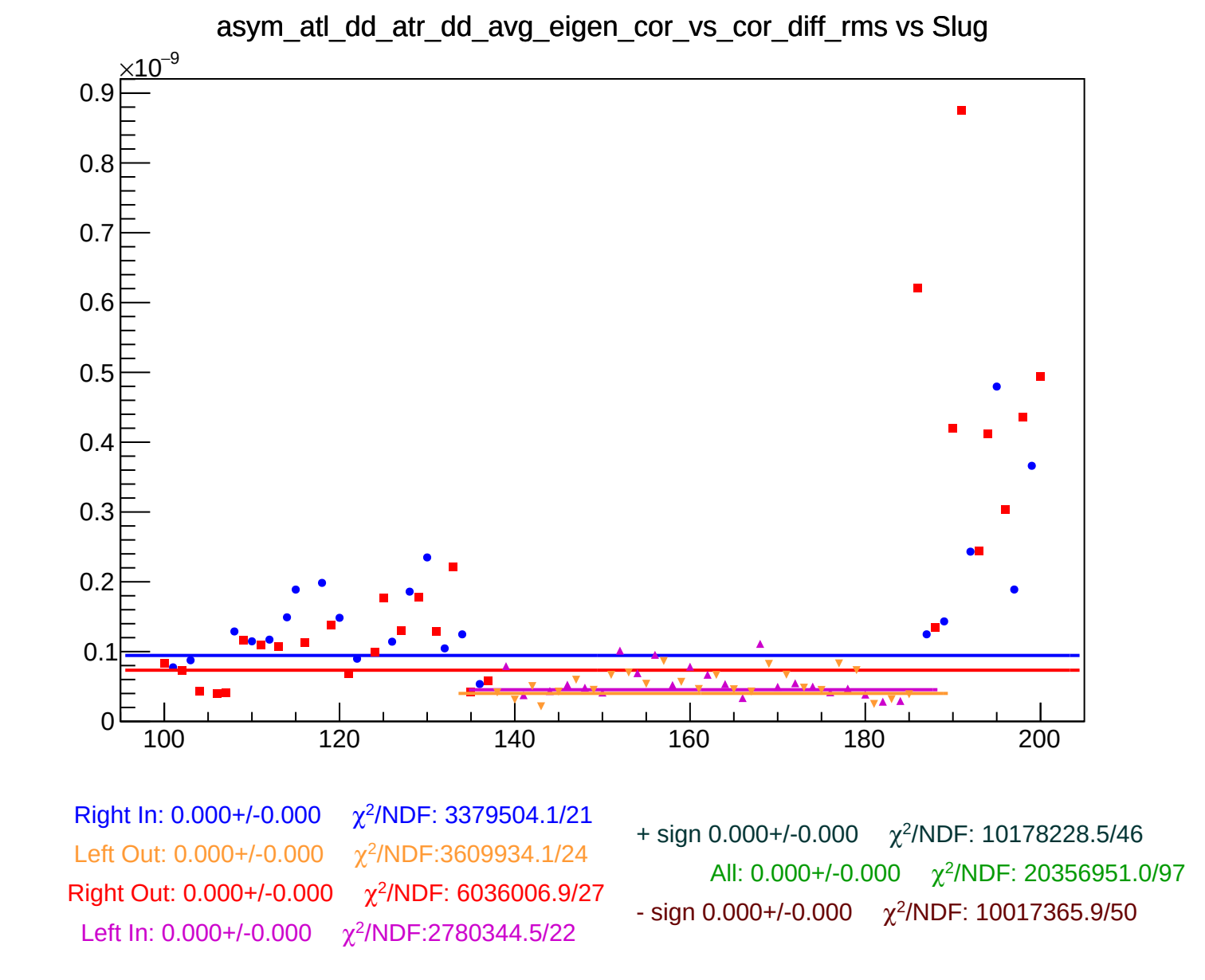
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

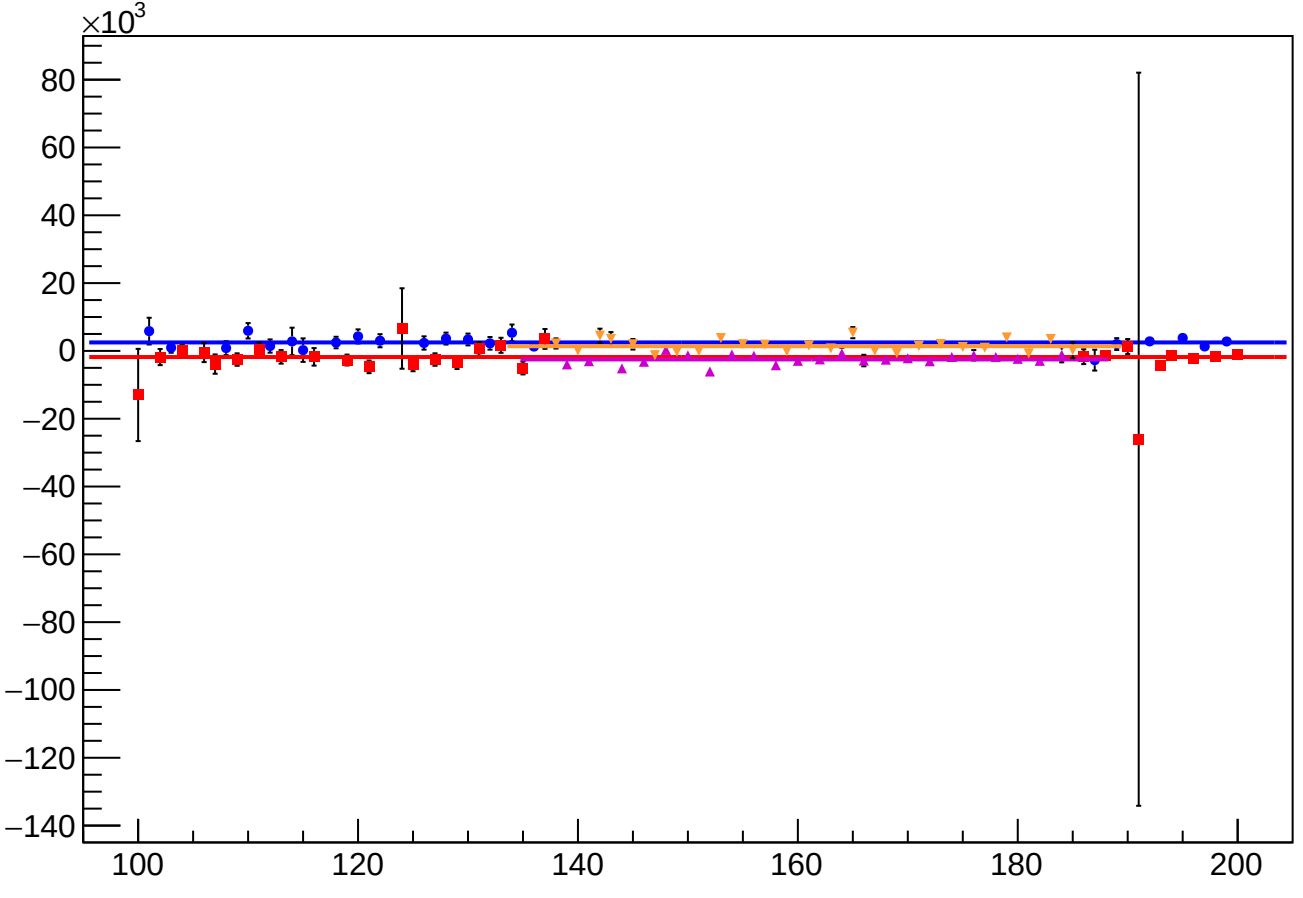
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 117.0/97

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3379504.1/21
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6036006.9/27
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 10178228.5/46
All: 0.000+/-0.000 χ²/NDF: 20356951.0/97
- sign 0.000+/-0.000 χ²/NDF: 10017365.9/50



Right In: 2499.366+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1802.359+/-365.004 χ^2/NDF: 24.9/27

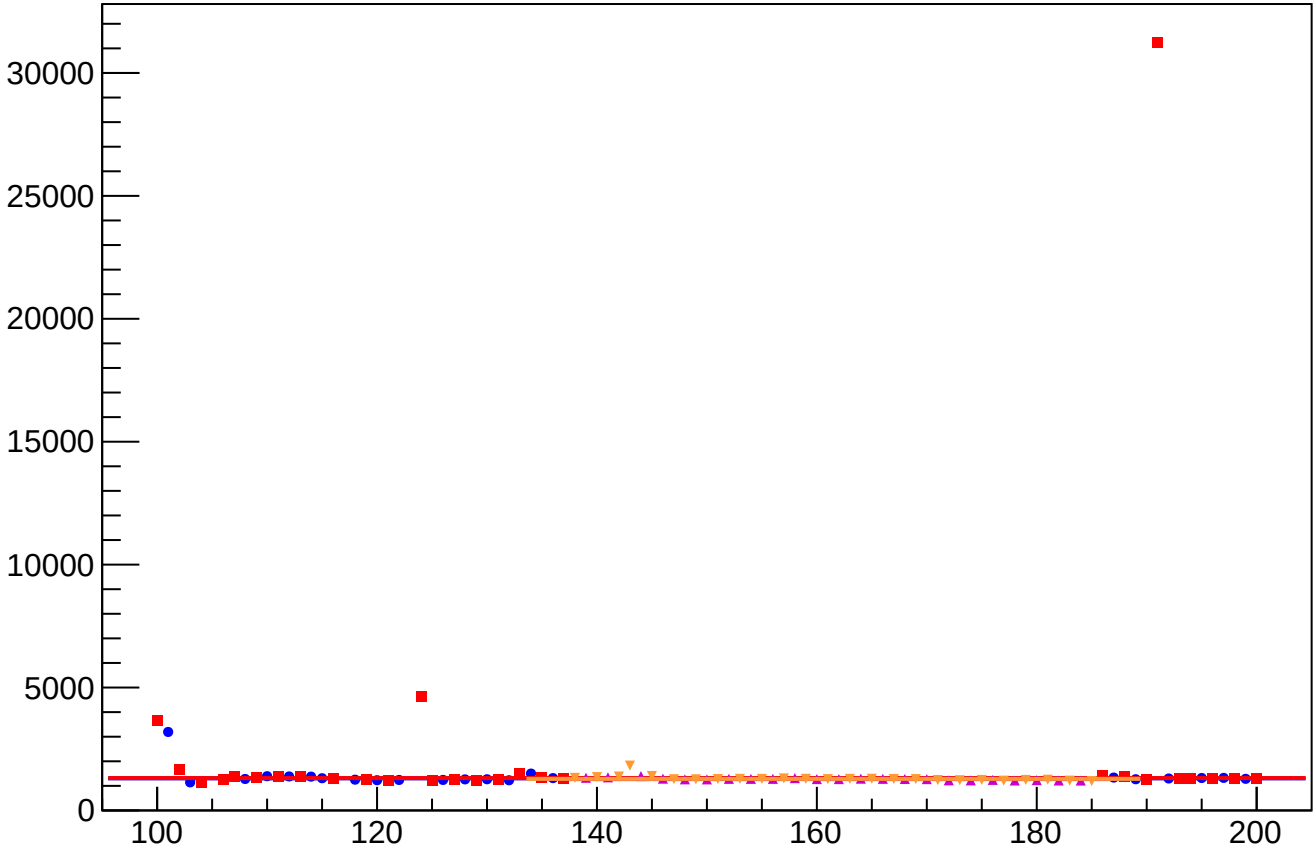
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.757+/-233.942 χ^2/NDF: 51.8/46

All: -249.319+/-164.329 χ^2/NDF: 251.0/97

- sign -2232.481+/-230.882 χ^2/NDF: 49.7/50

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518385.7/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

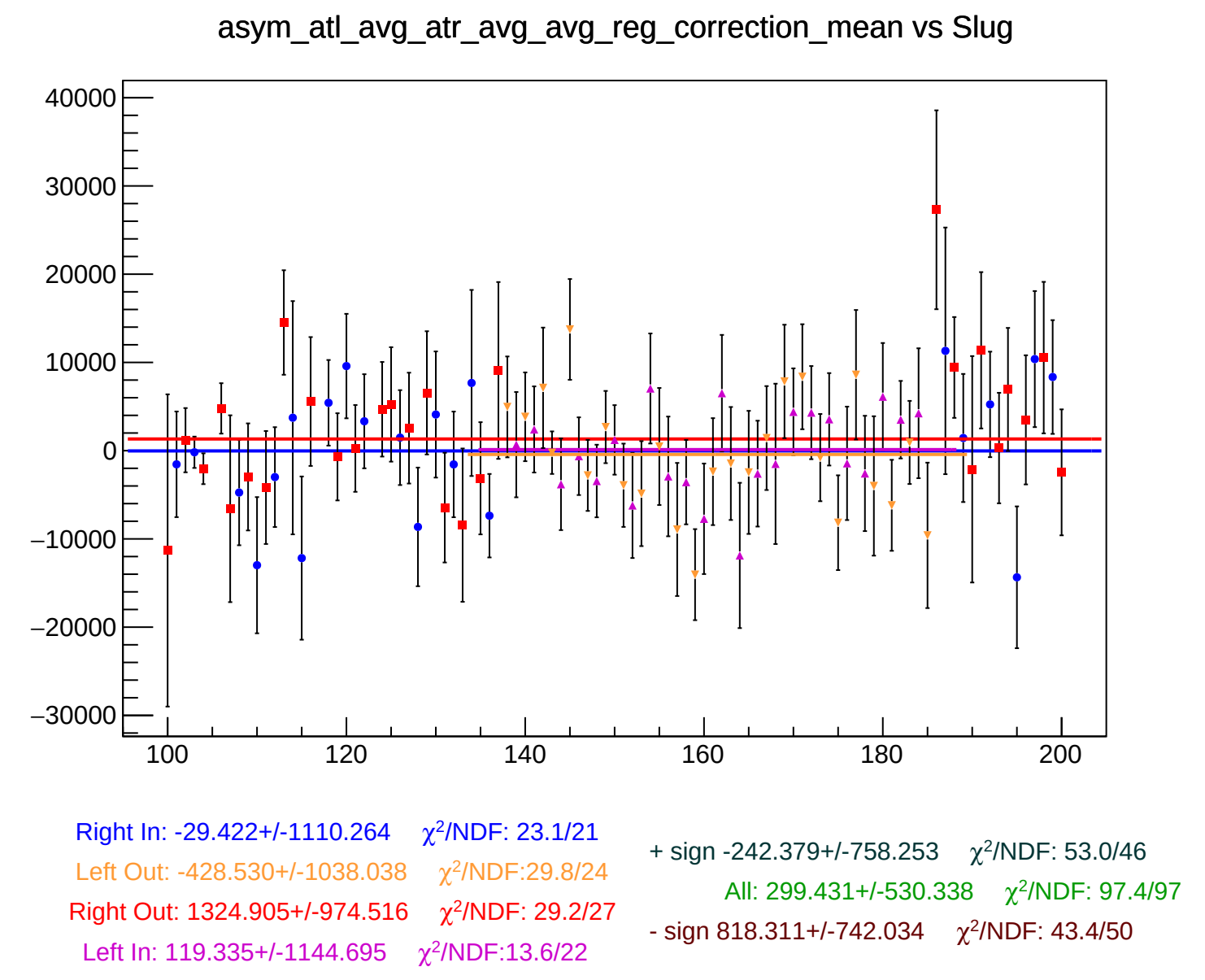
Right Out: 1317.051+/-0.258 χ^2/NDF: 488853.7/27

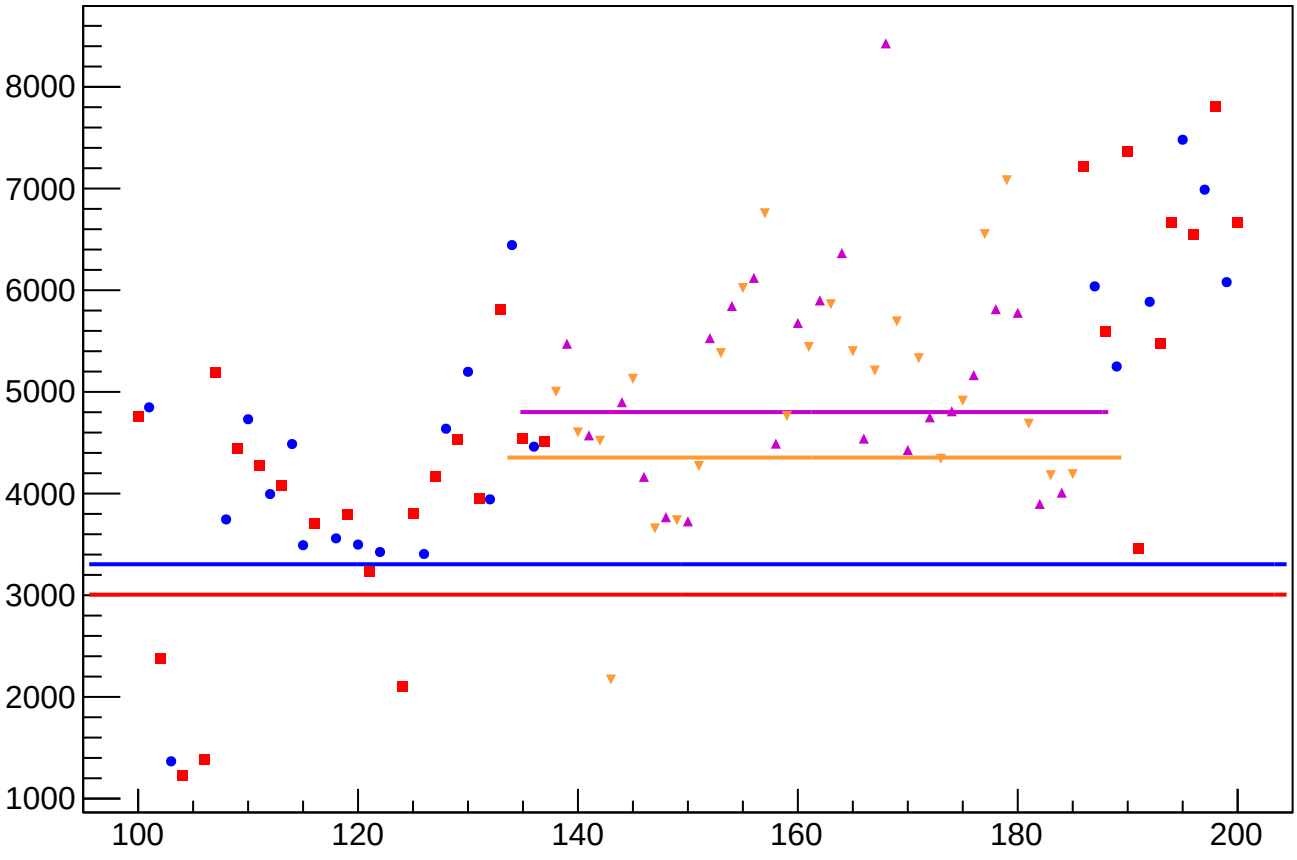
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712823.7/46

All: 1292.665+/-0.116 χ^2/NDF: 1258327.4/97

- sign 1292.418+/-0.163 χ^2/NDF: 545499.0/50


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -29.422+/-1110.264 χ²/NDF: 23.1/21
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: 1324.905+/-974.516 χ²/NDF: 29.2/27
Left In: 119.335+/-1144.695 χ²/NDF:13.6/22
+ sign -242.379+/-758.253 χ²/NDF: 53.0/46
All: 299.431+/-530.338 χ²/NDF: 97.4/97
- sign 818.311+/-742.034 χ²/NDF: 43.4/50



Right In: 3304.736+/-0.785 χ^2/NDF: 5150247.3/21

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3006.056+/-0.689 χ^2/NDF: 7289927.9/27

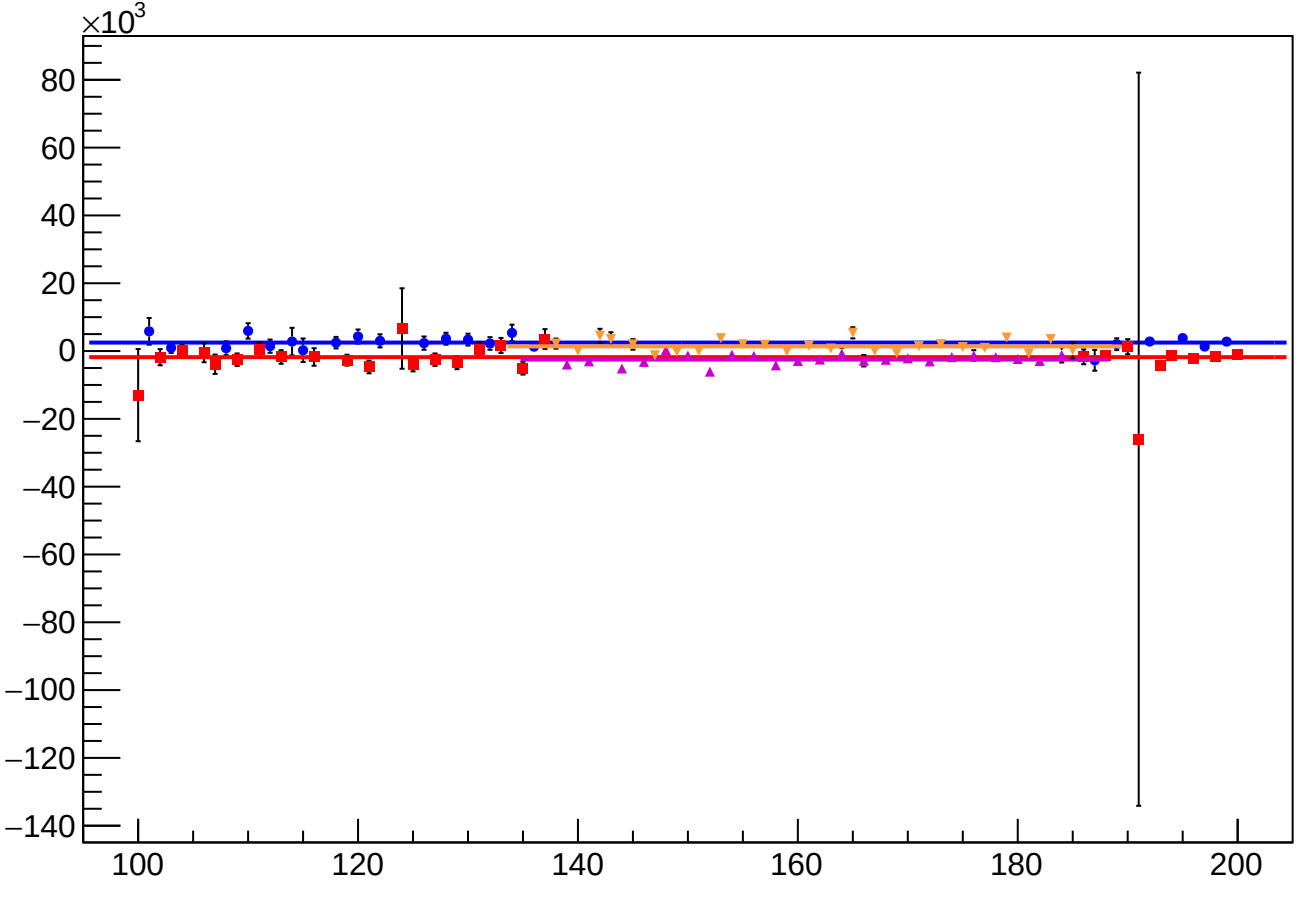
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3864.885+/-0.536 χ^2/NDF: 9175761.4/46

All: 3811.591+/-0.375 χ^2/NDF: 20569895.7/9

\- sign 3760.553+/-0.525 χ^2/NDF: 11374792.3/50

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1802.228+/-365.004 χ^2/NDF: 24.9/27

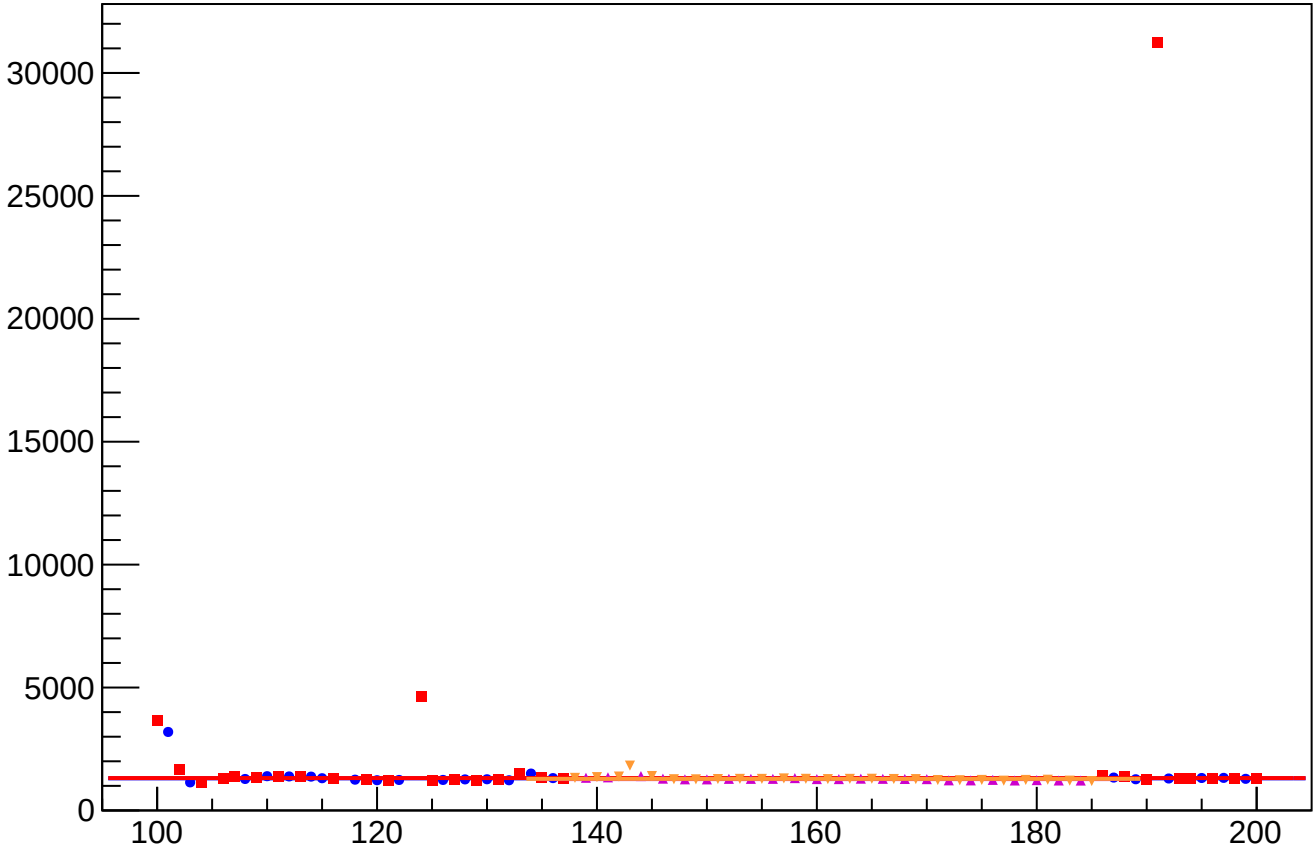
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.669+/-233.942 χ^2/NDF: 51.8/46

All: -249.337+/-164.329 χ^2/NDF: 251.0/97

- sign -2232.429+/-230.882 χ^2/NDF: 49.7/50

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

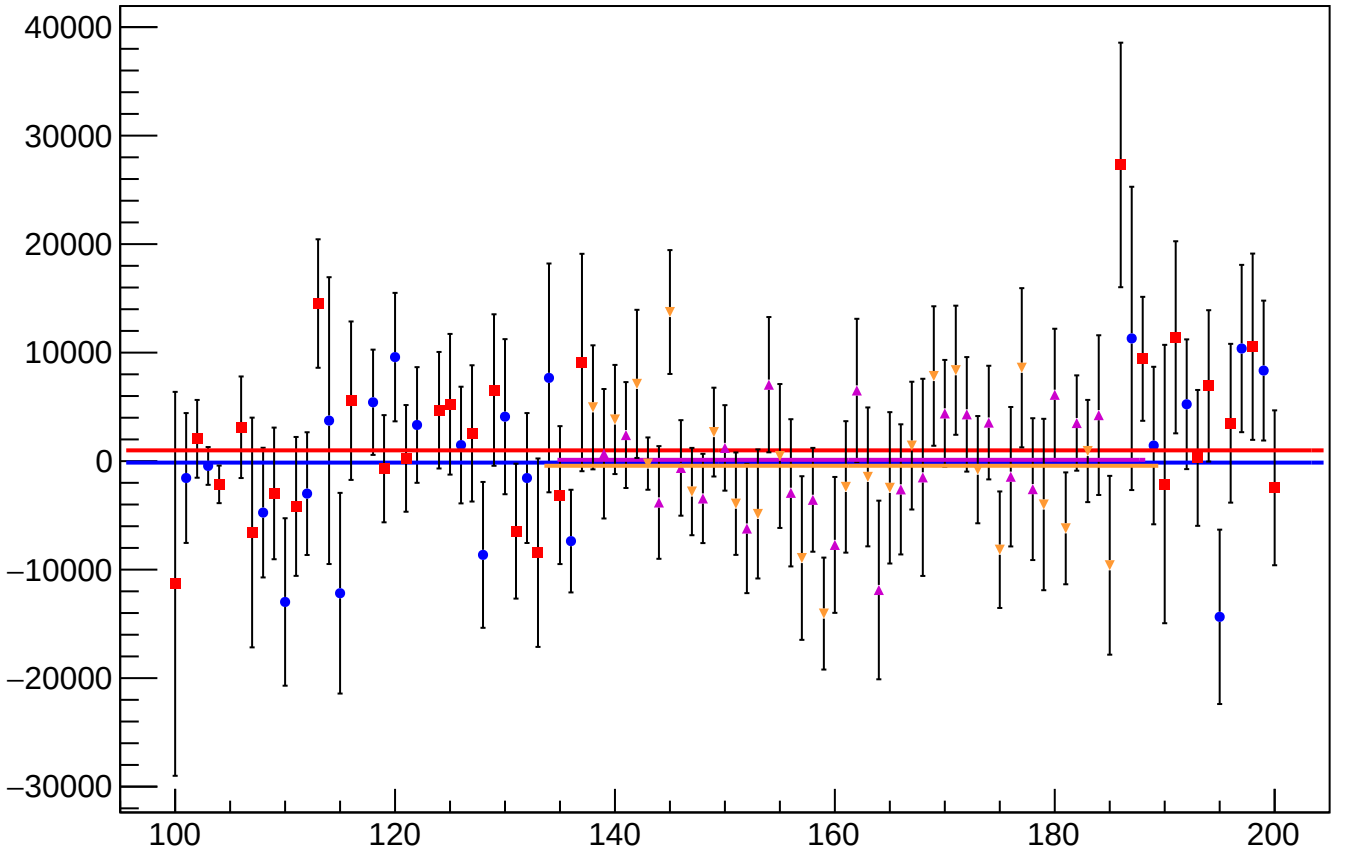
Right Out: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712825.2/46

All: 1292.786+/-0.116 χ^2/NDF: 1258270.1/97

- sign 1292.657+/-0.163 χ^2/NDF: 545443.7/50



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

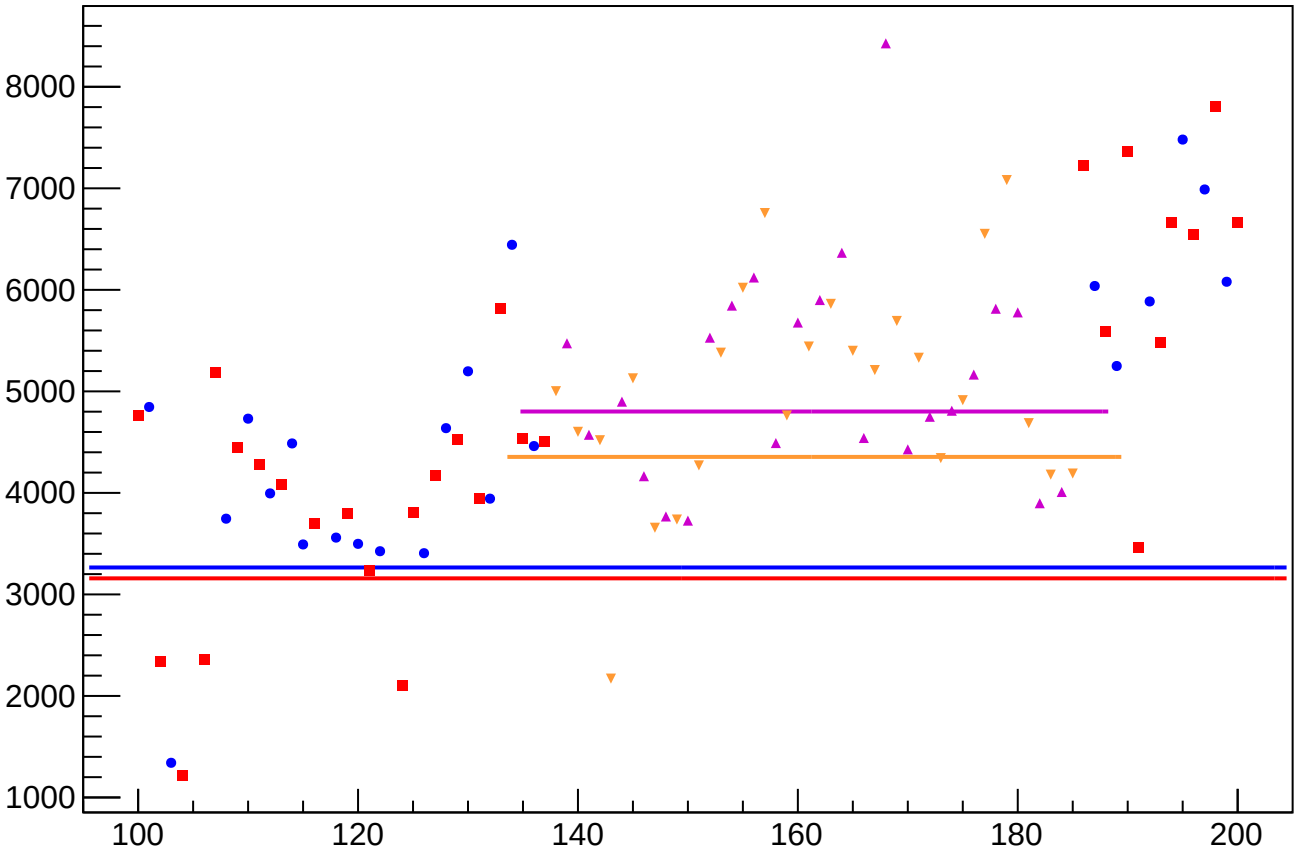
Right Out: 992.265+/-1007.873 χ^2/NDF: 28.1/27

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -291.103+/-755.552 χ^2/NDF: 53.0/46

All: 159.440+/-534.572 χ^2/NDF: 95.8/97

- sign 611.050+/-756.446 χ^2/NDF: 42.0/50



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

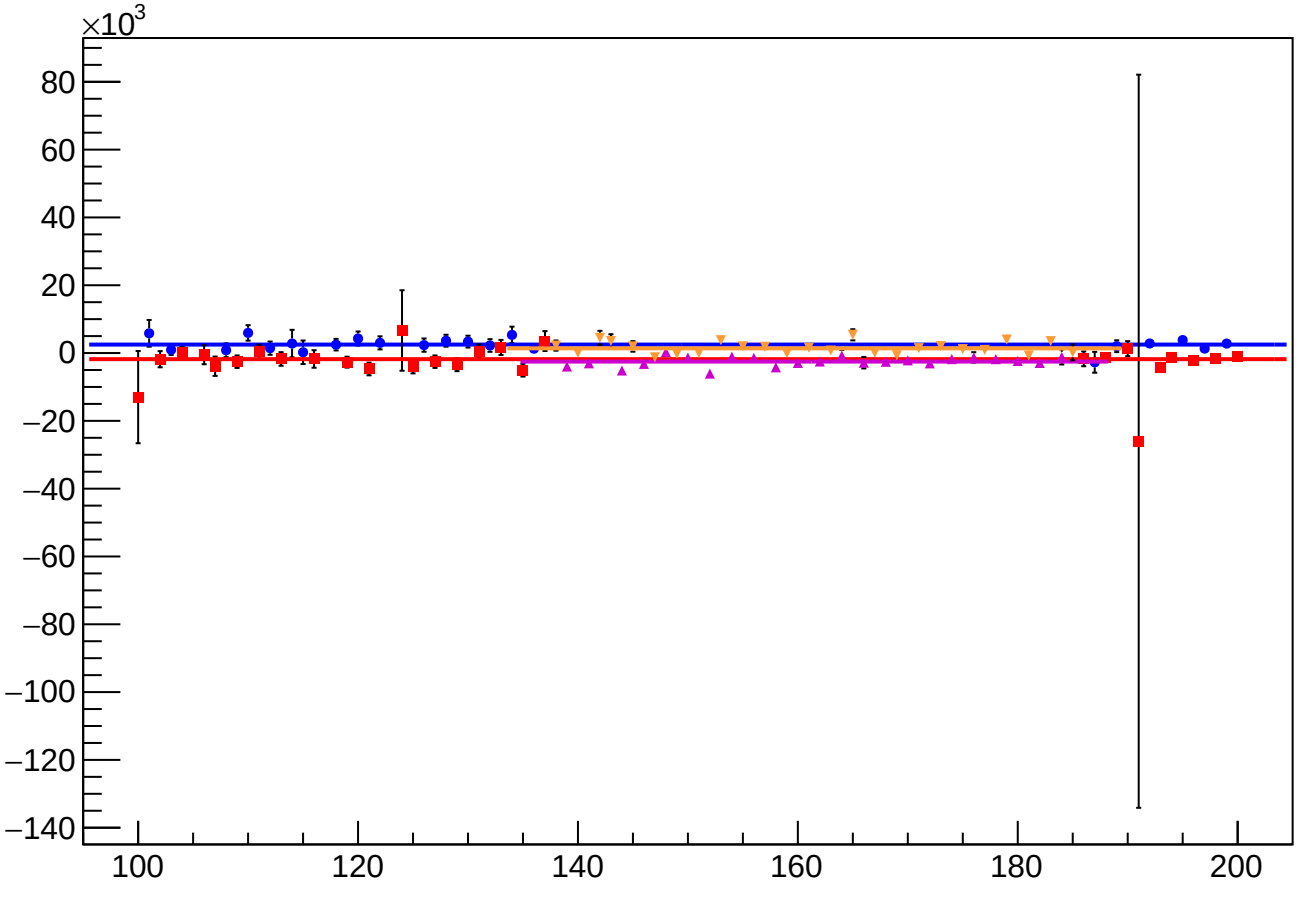
Right Out: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3842.377+/-0.534 χ^2/NDF: 9412716.9/46

All: 3859.099+/-0.378 χ^2/NDF: 19683961.9/9

- sign 3875.860+/-0.535 χ^2/NDF: 10269283.5/50



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1802.228+/-365.004 χ^2/NDF: 24.9/27

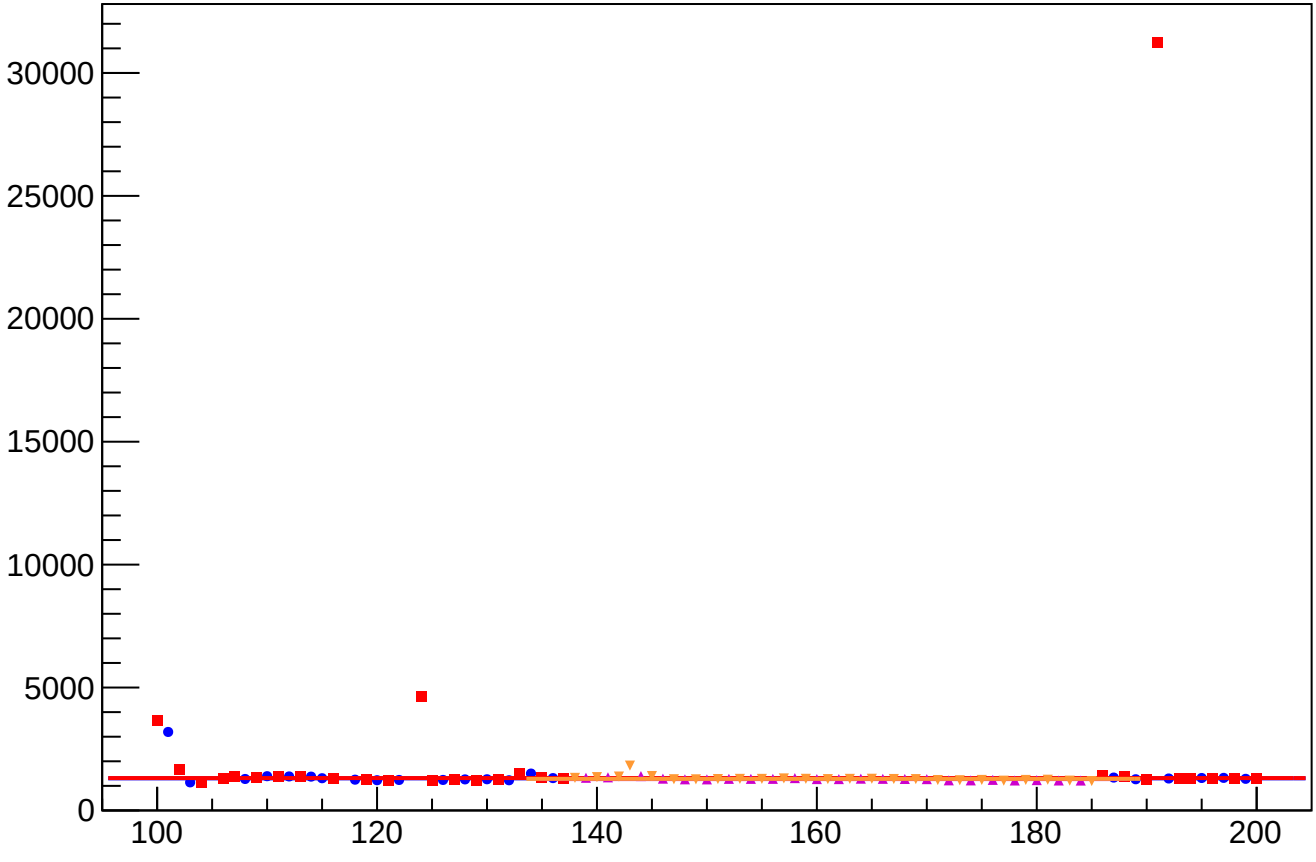
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.669+/-233.942 χ^2/NDF: 51.8/46

All: -249.337+/-164.329 χ^2/NDF: 251.0/97

- sign -2232.429+/-230.882 χ^2/NDF: 49.7/50

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

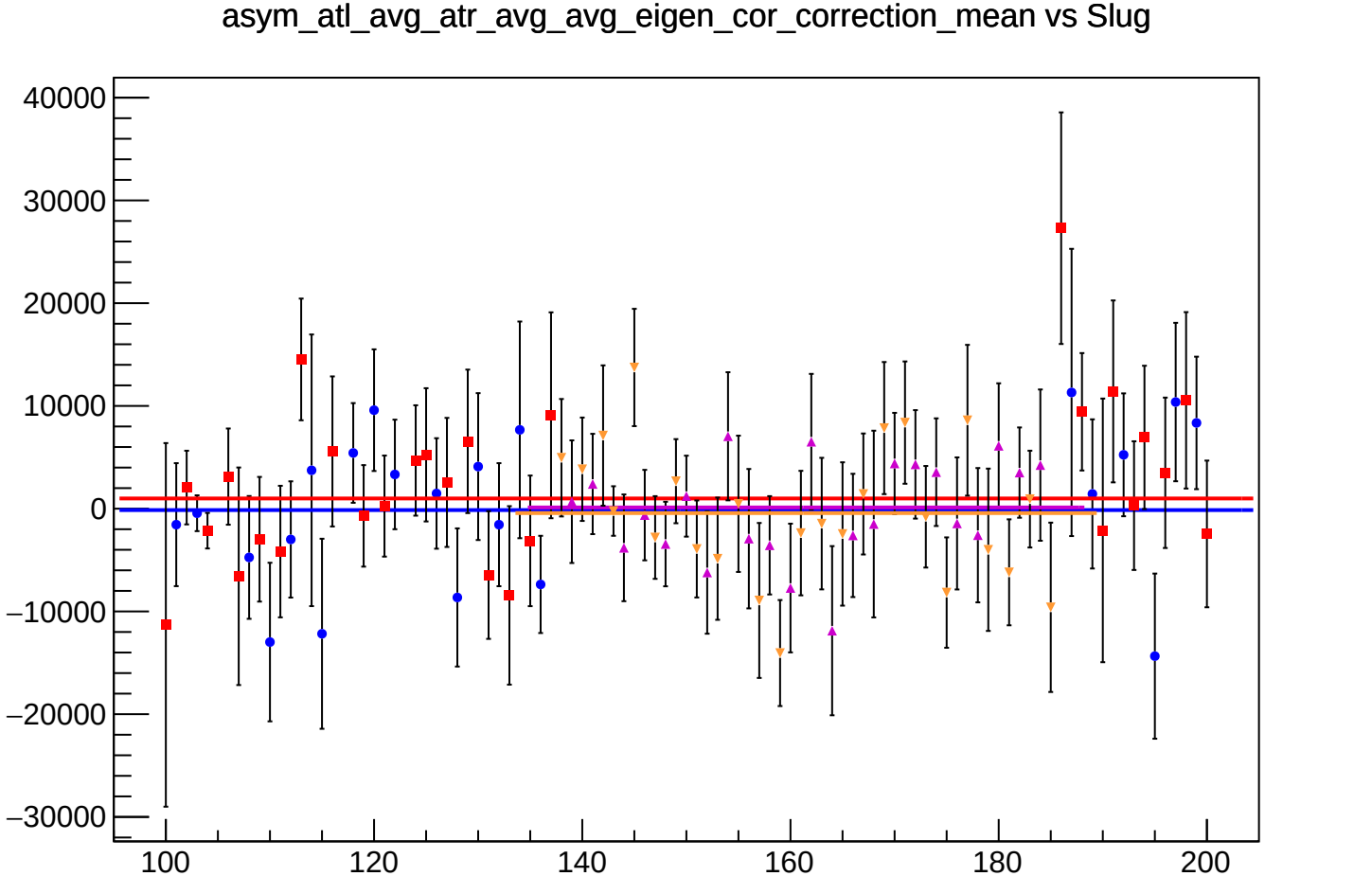
Right Out: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712825.2/46

All: 1292.786+/-0.116 χ^2/NDF: 1258270.1/97

- sign 1292.657+/-0.163 χ^2/NDF: 545443.7/50



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

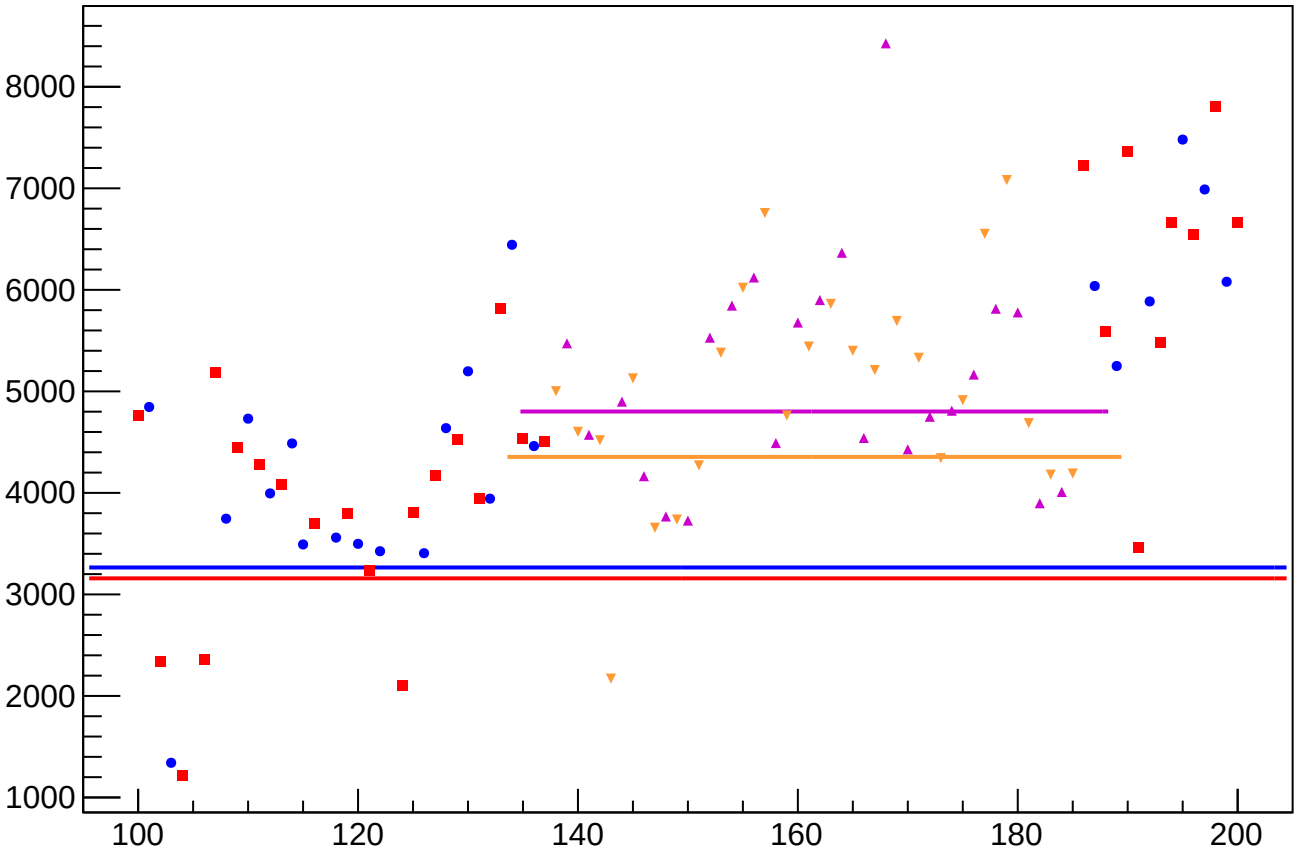
Right Out: 992.265+/-1007.873 χ^2/NDF: 28.1/27

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -291.103+/-755.552 χ^2/NDF: 53.0/46

All: 159.440+/-534.572 χ^2/NDF: 95.8/97

- sign 611.050+/-756.446 χ^2/NDF: 42.0/50



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

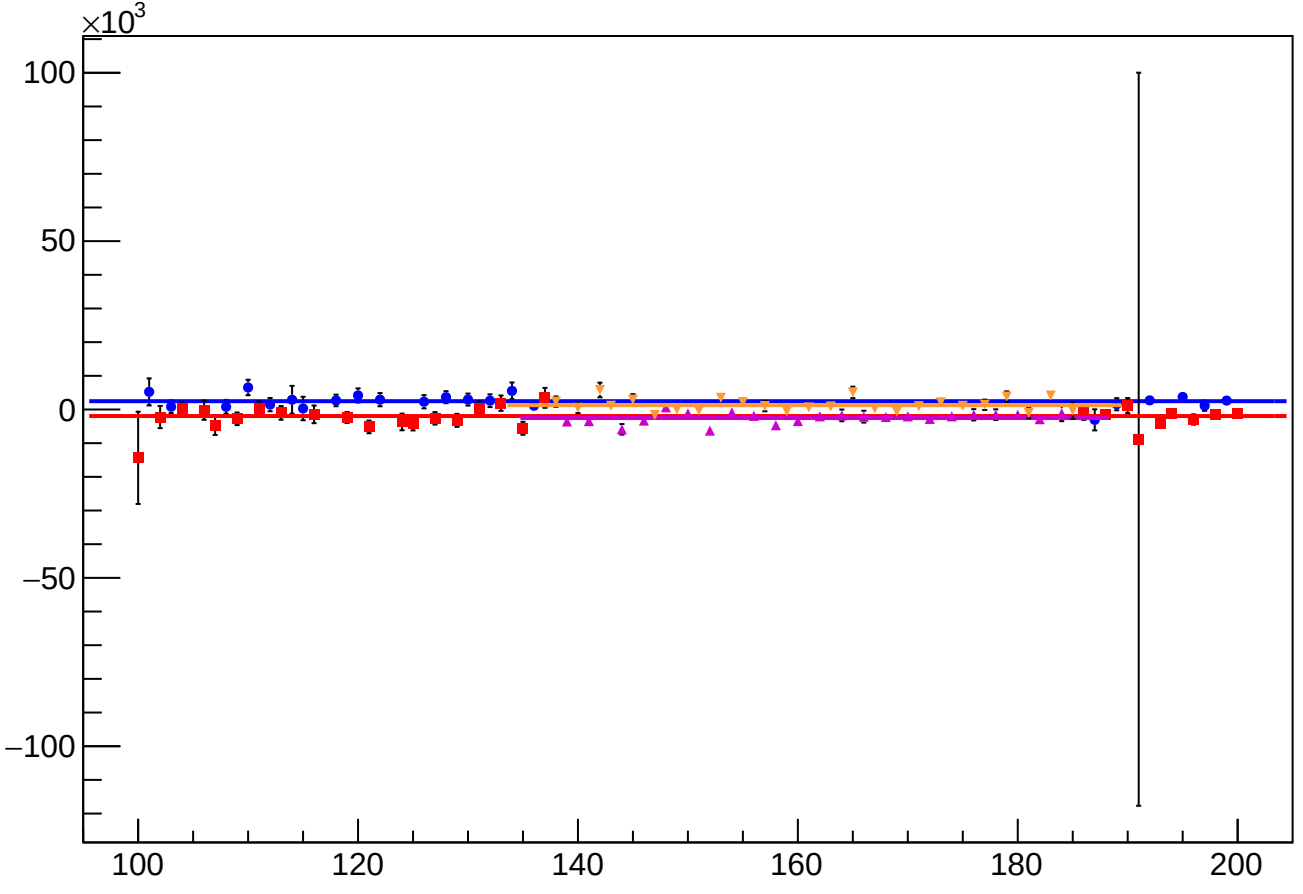
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3842.377+/-0.534 χ^2/NDF: 9412716.9/46

All: 3859.099+/-0.378 χ^2/NDF: 19683961.9/9

- sign 3875.860+/-0.535 χ^2/NDF: 10269283.5/50

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2466.979+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1941.913+/-372.334 χ^2/NDF: 26.3/27

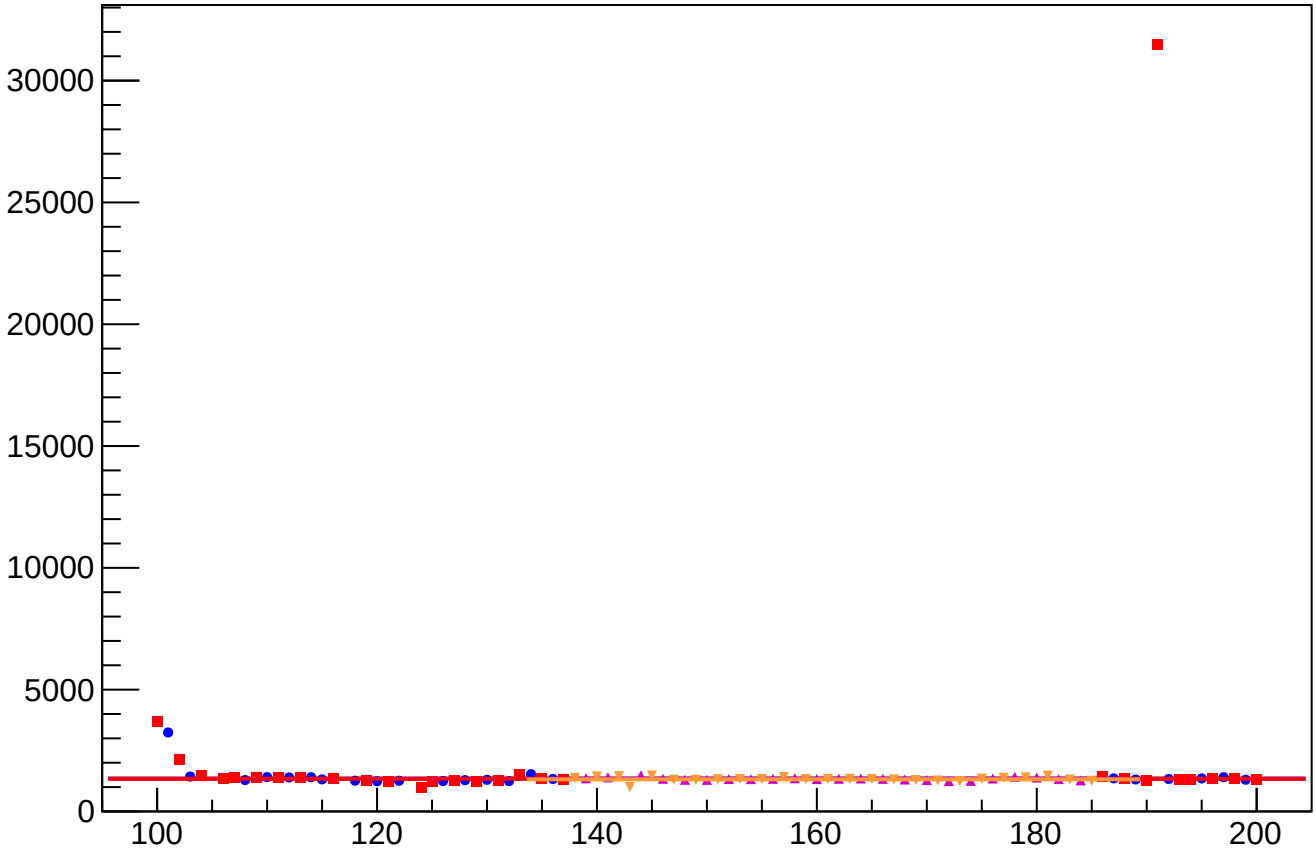
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1709.217+/-240.571 χ^2/NDF: 53.3/46

All: -297.803+/-169.743 χ^2/NDF: 244.7/97

- sign -2287.646+/-239.539 χ^2/NDF: 52.8/50

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.134+/-0.284 χ^2/NDF: 500043.6/21

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

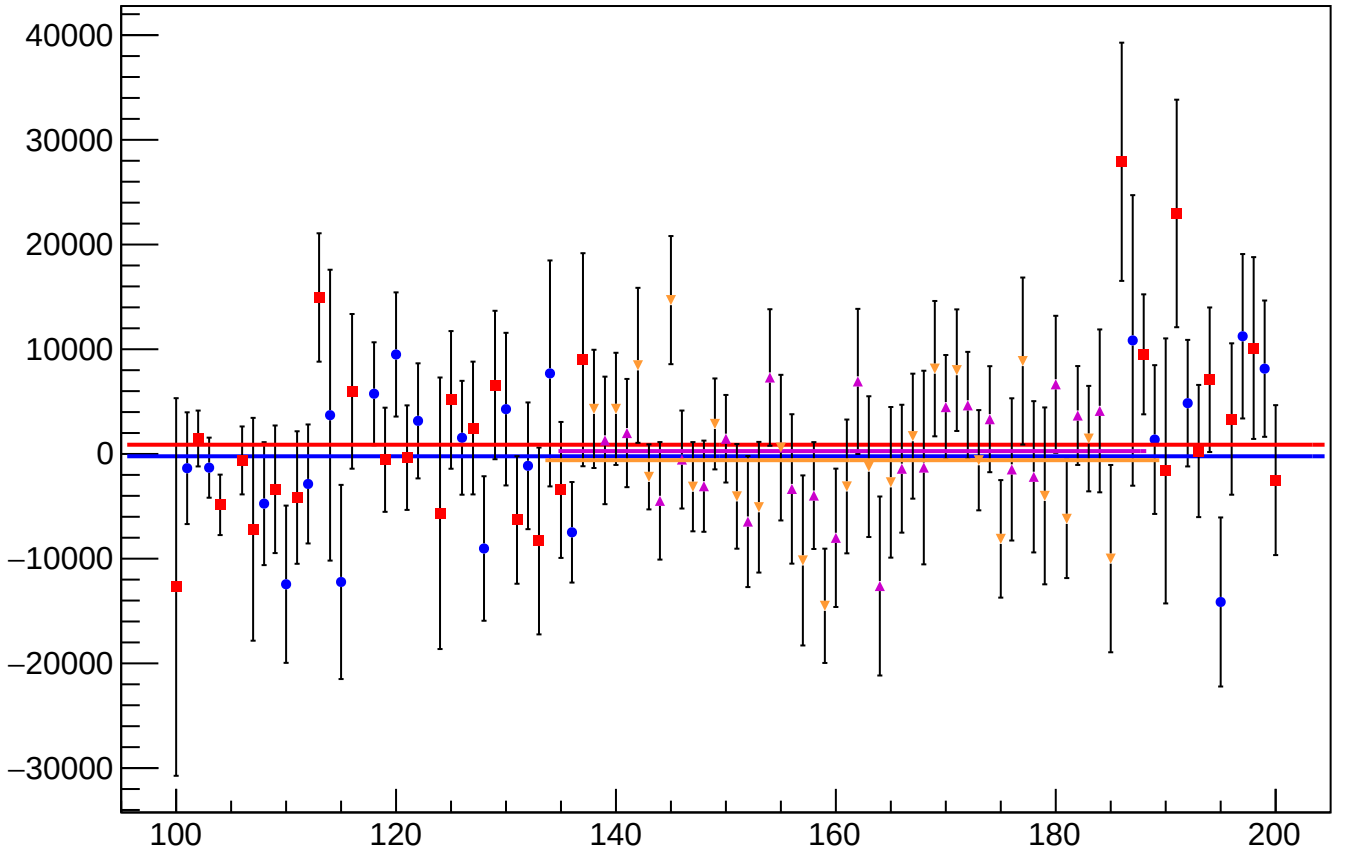
Right Out: 1341.998+/-0.263 χ^2/NDF: 435005.6/27

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1328.577+/-0.170 χ^2/NDF: 755262.3/46

All: 1334.318+/-0.120 χ^2/NDF: 1246881.8/97

- sign 1340.008+/-0.169 χ^2/NDF: 489351.6/50



Right In: -221.705+/-1275.640 χ^2/NDF: 23.1/21

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: 881.861+/-1089.499 χ^2/NDF: 31.7/27

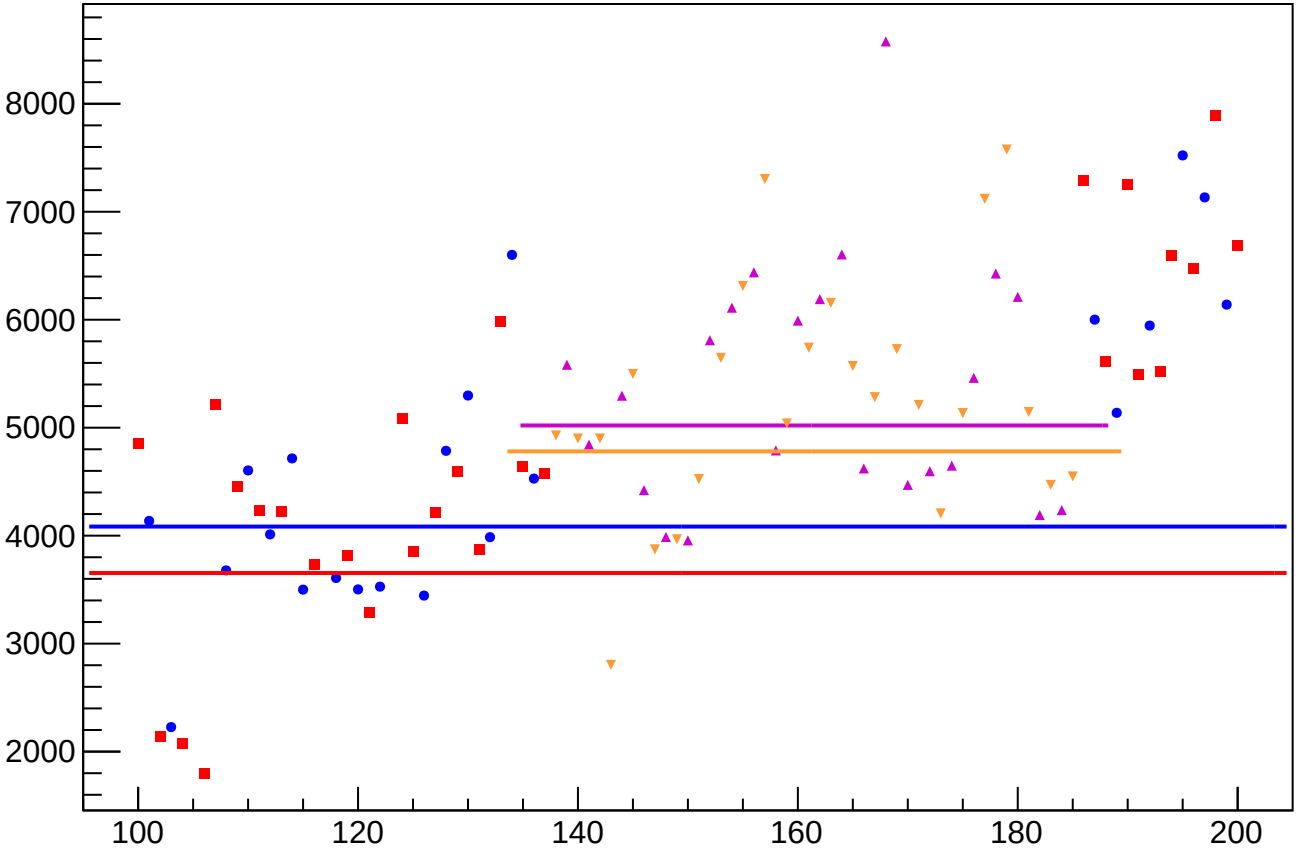
Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -432.081+/-842.606 χ^2/NDF: 52.6/46

All: 110.165+/-582.312 χ^2/NDF: 98.6/97

- sign 605.905+/-805.663 χ^2/NDF: 45.2/50

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 4084.167+/-0.902 χ^2/NDF: 2293754.4/21

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

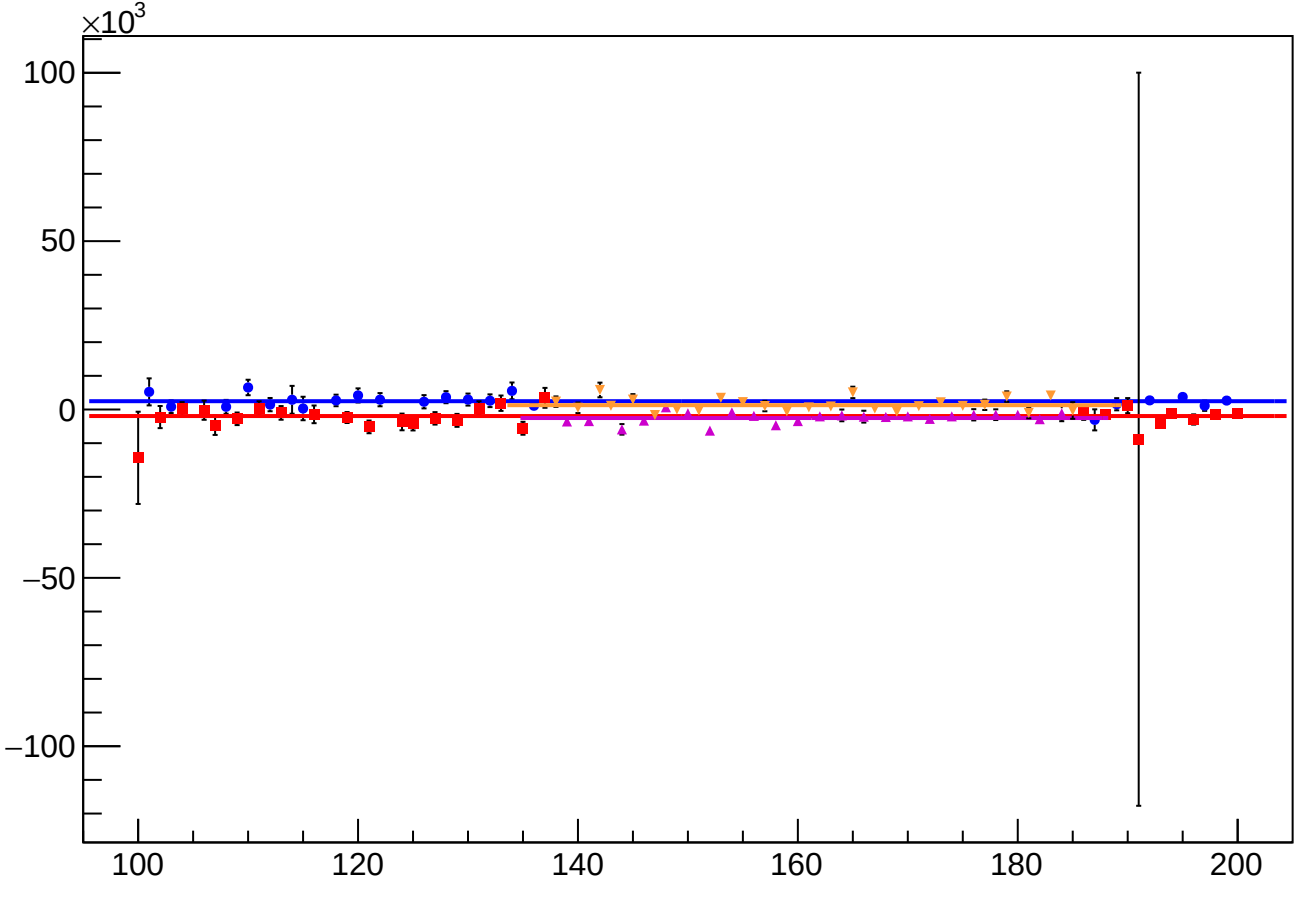
Right Out: 3654.354+/-0.770 χ^2/NDF: 4645885.0/27

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4476.625+/-0.596 χ^2/NDF: 4635830.0/46

All: 4370.500+/-0.412 χ^2/NDF: 11992716.8/9

- sign 4273.476+/-0.570 χ^2/NDF: 7296154.9/50



Right In: 2466.977+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1941.913+/-372.334 χ^2/NDF: 26.3/27

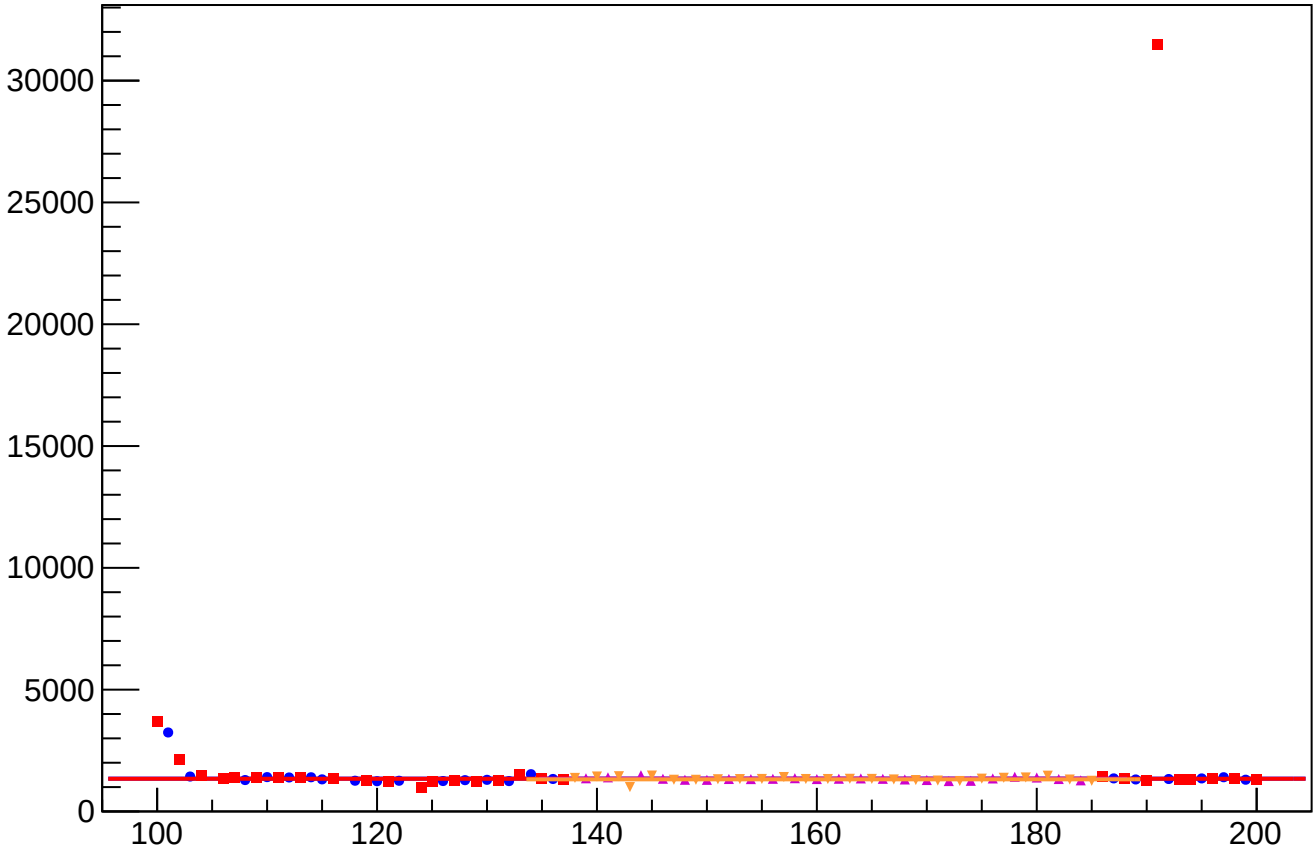
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1709.214+/-240.571 χ^2/NDF: 53.3/46

All: -297.805+/-169.743 χ^2/NDF: 244.7/97

- sign -2287.646+/-239.539 χ^2/NDF: 52.8/50

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.133+/-0.284 χ^2/NDF: 500043.8/21

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

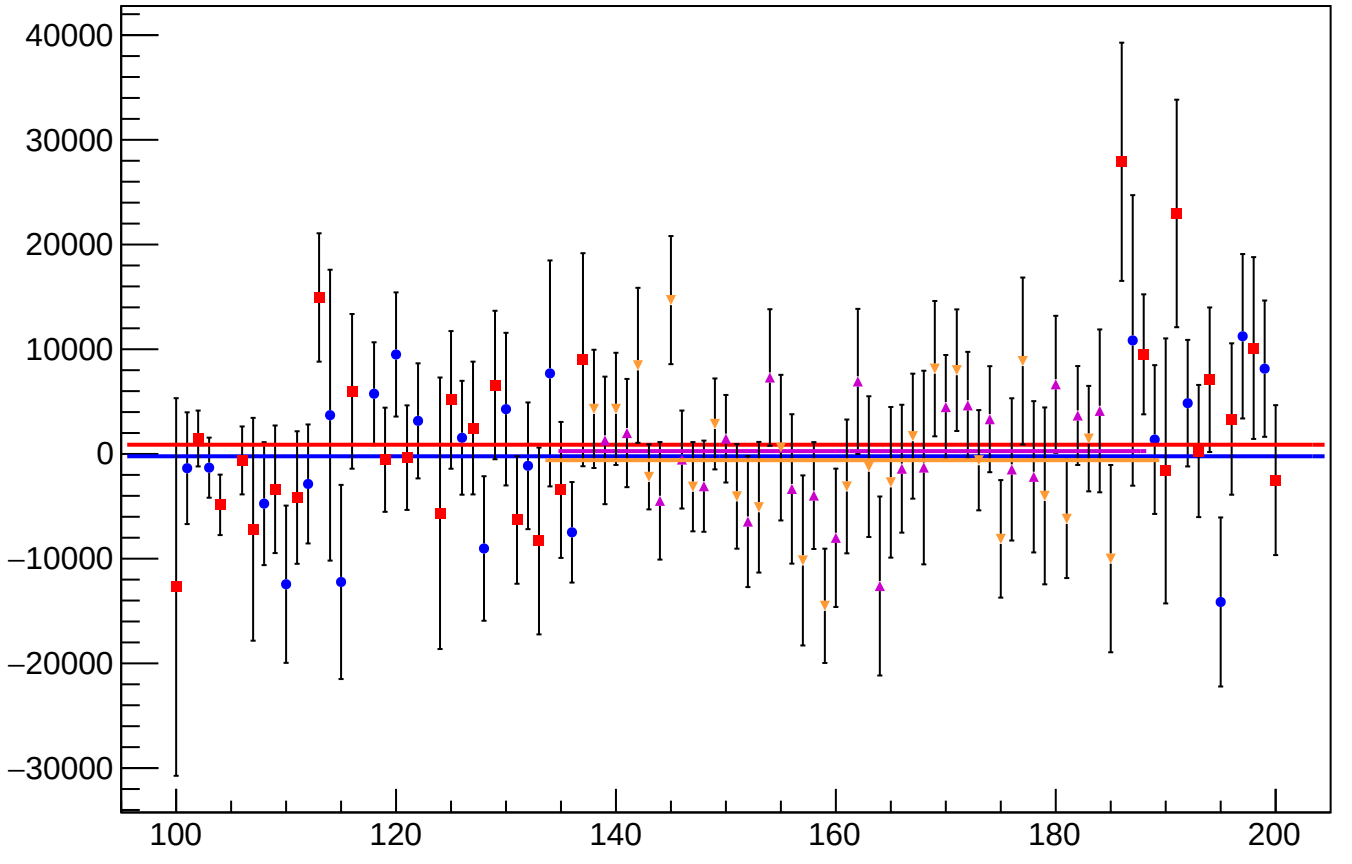
Right Out: 1341.998+/-0.263 χ^2/NDF: 435004.5/27

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1328.578+/-0.170 χ^2/NDF: 755264.2/46

All: 1334.319+/-0.120 χ^2/NDF: 1246885.1/97

- sign 1340.009+/-0.169 χ^2/NDF: 489353.0/50



Right In: -221.701+/-1275.638 χ^2/NDF: 23.1/21

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

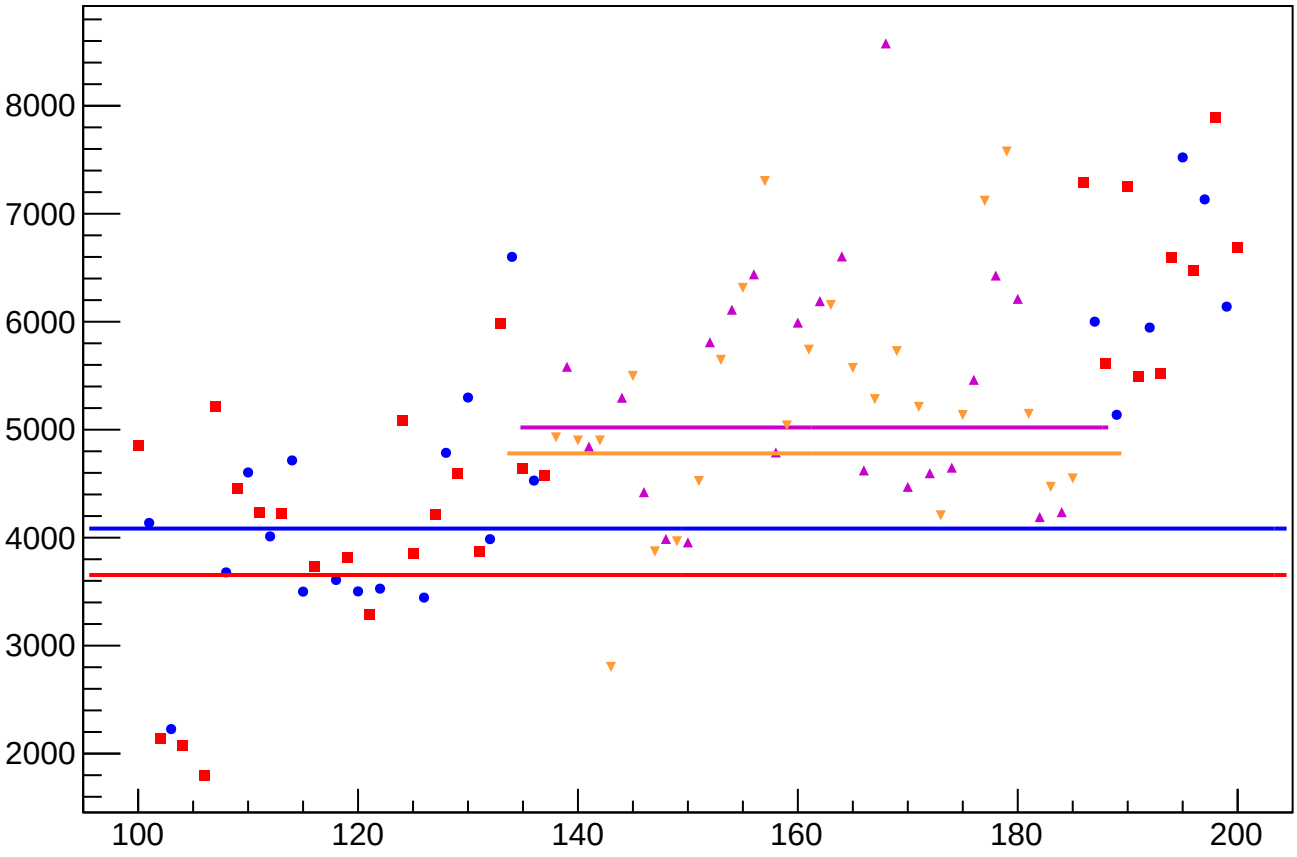
Right Out: 881.854+/-1089.497 χ^2/NDF: 31.7/27

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

\+ sign -432.081+/-842.607 χ^2/NDF: 52.6/46

All: 110.165+/-582.312 χ^2/NDF: 98.6/97

\- sign 605.903+/-805.662 χ^2/NDF: 45.2/50



Right In: 4084.158+/-0.902 χ^2/NDF: 2293771.9/21

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

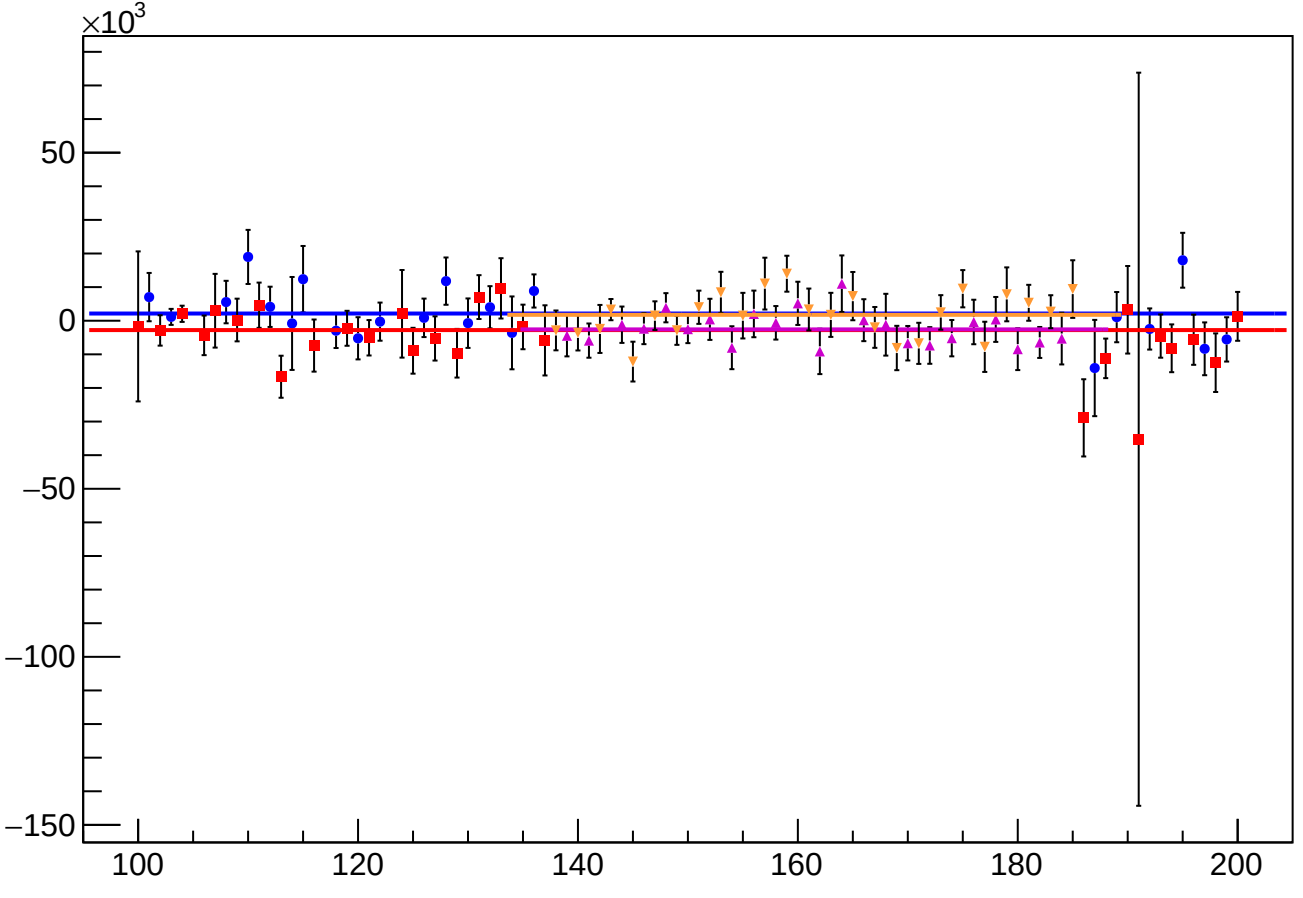
Right Out: 3654.345+/-0.770 χ^2/NDF: 4645909.7/27

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4476.625+/-0.596 χ^2/NDF: 4635865.2/46

All: 4370.497+/-0.412 χ^2/NDF: 11992817.6/9

- sign 4273.472+/-0.570 χ^2/NDF: 7296218.5/50



Right In: 2142.756+/-1268.283 χ^2/NDF: 22.2/21

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2783.090+/-1198.827 χ^2/NDF: 27.5/27

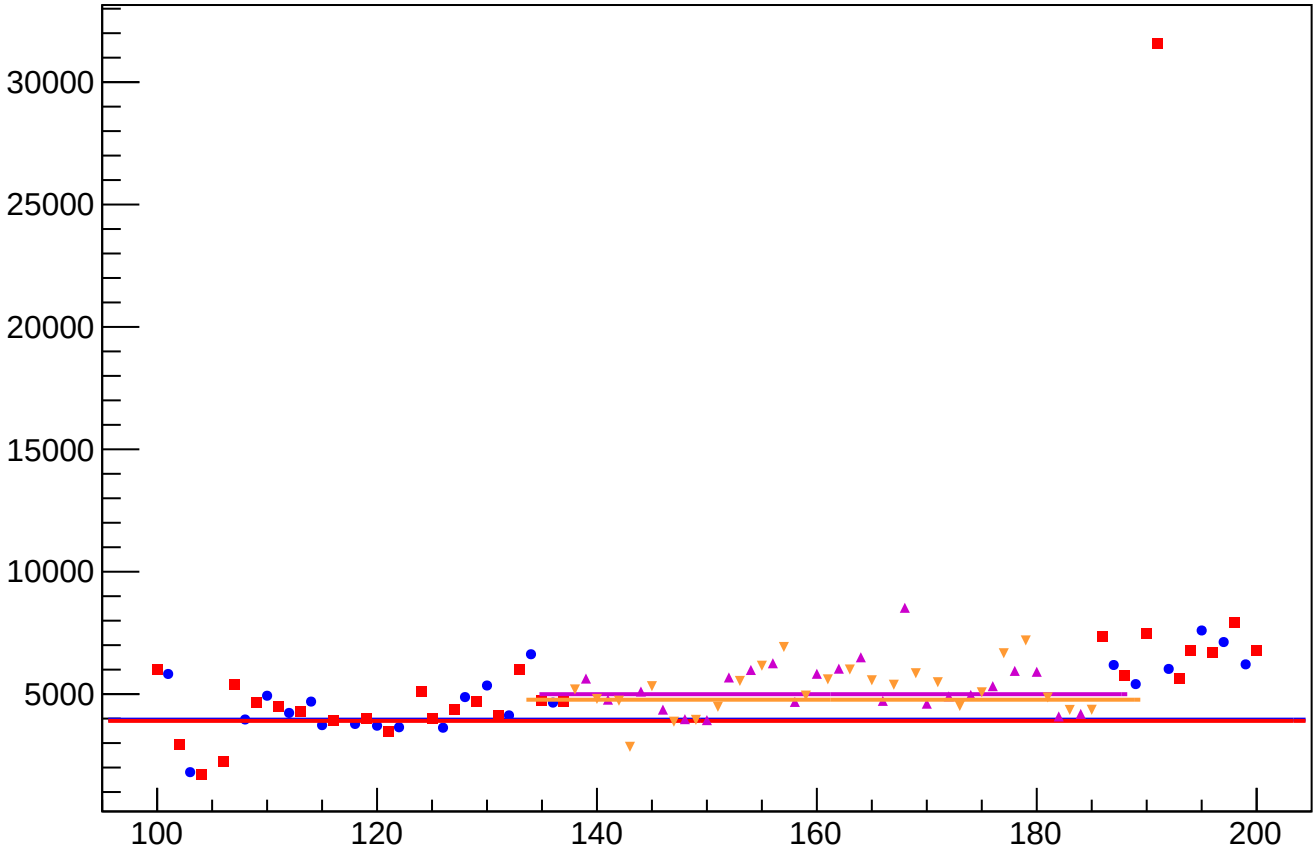
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1928.018+/-837.924 χ^2/NDF: 49.9/46

All: -359.648+/-594.640 χ^2/NDF: 105.7/97

- sign -2680.642+/-844.005 χ^2/NDF: 40.7/50

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3956.922+/-0.897 χ^2/NDF: 3397771.8/21

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3906.401+/-0.838 χ^2/NDF: 4478082.9/27

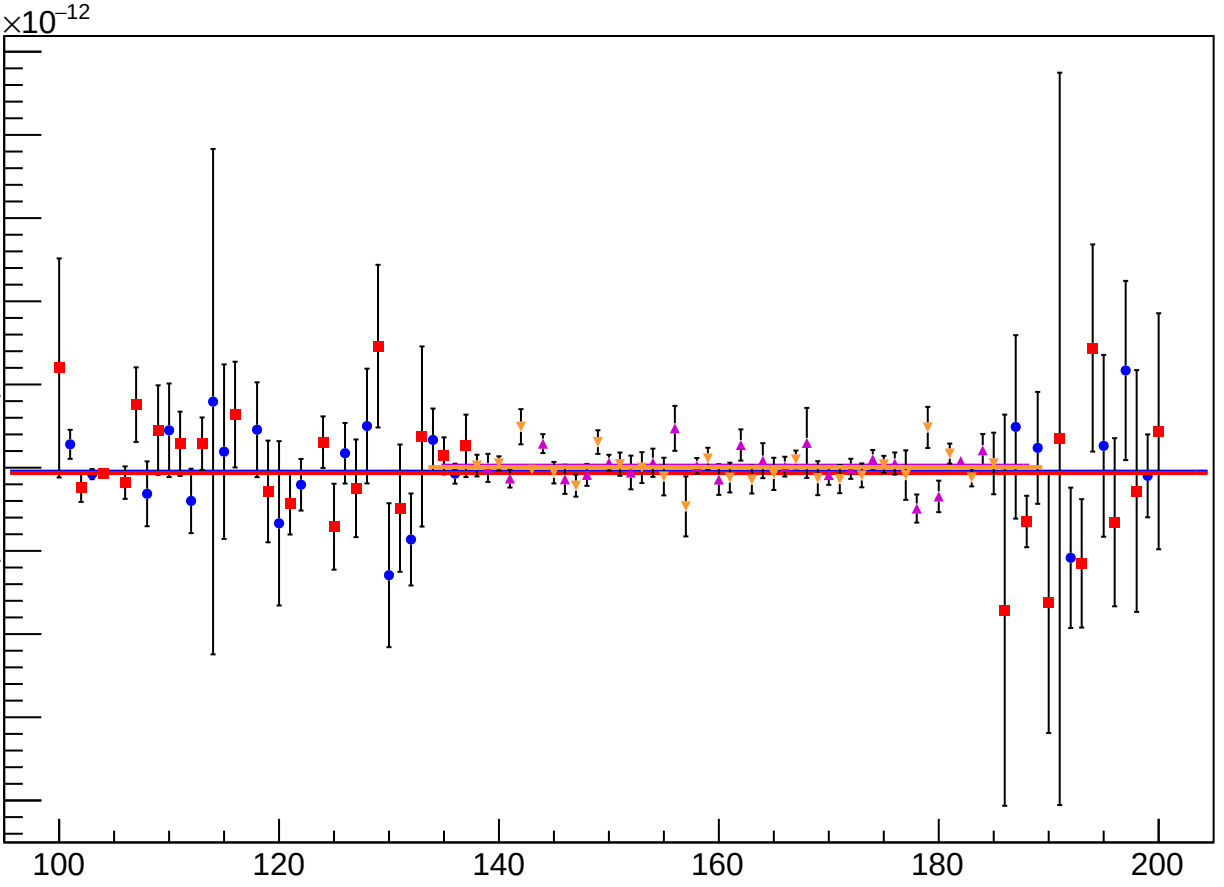
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4415.761+/-0.592 χ^2/NDF: 5649396.5/46

All: 4432.977+/-0.419 χ^2/NDF: 12068746.2/9

- sign 4450.253+/-0.594 χ^2/NDF: 6417658.1/50

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

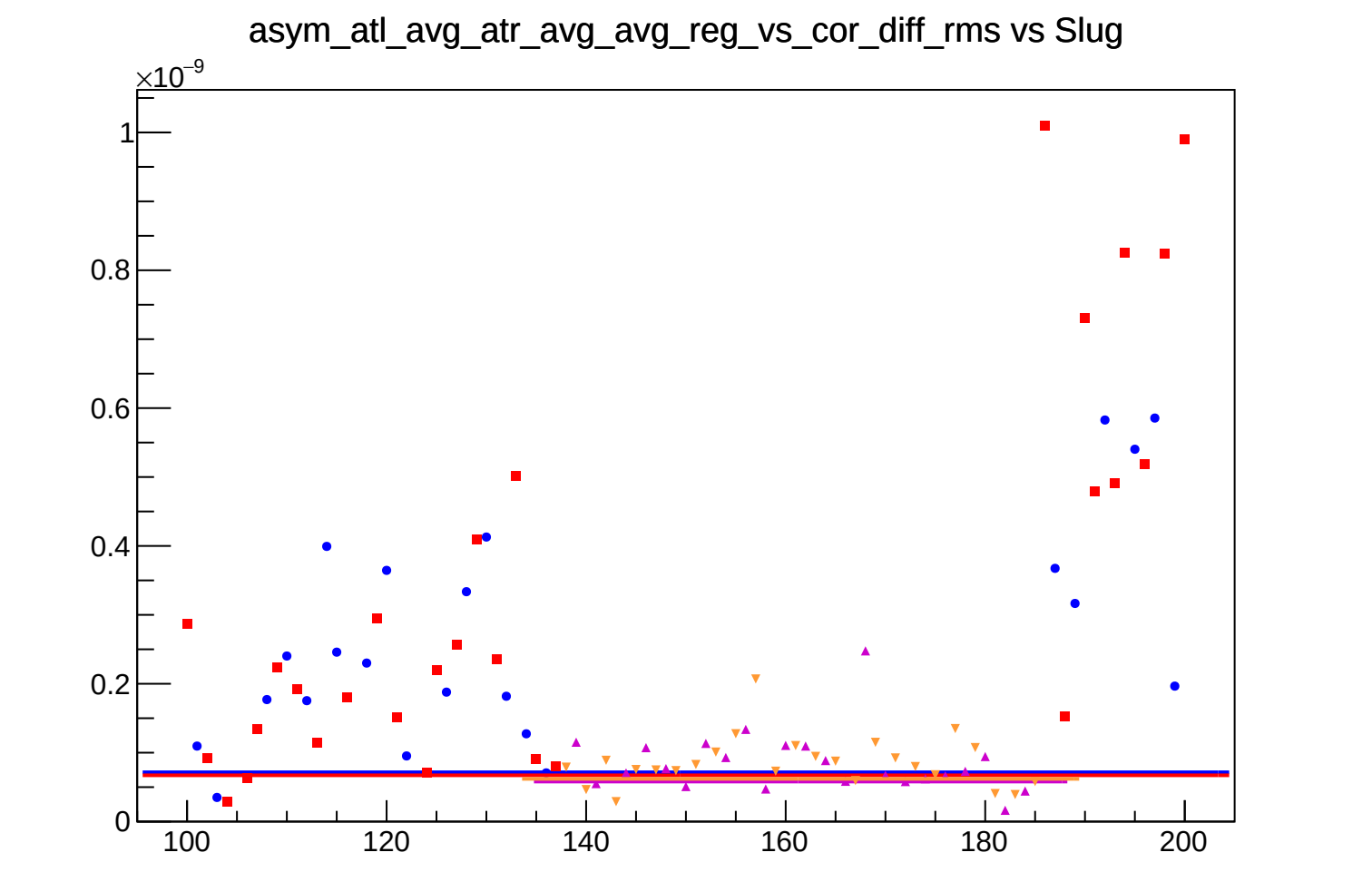
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/27

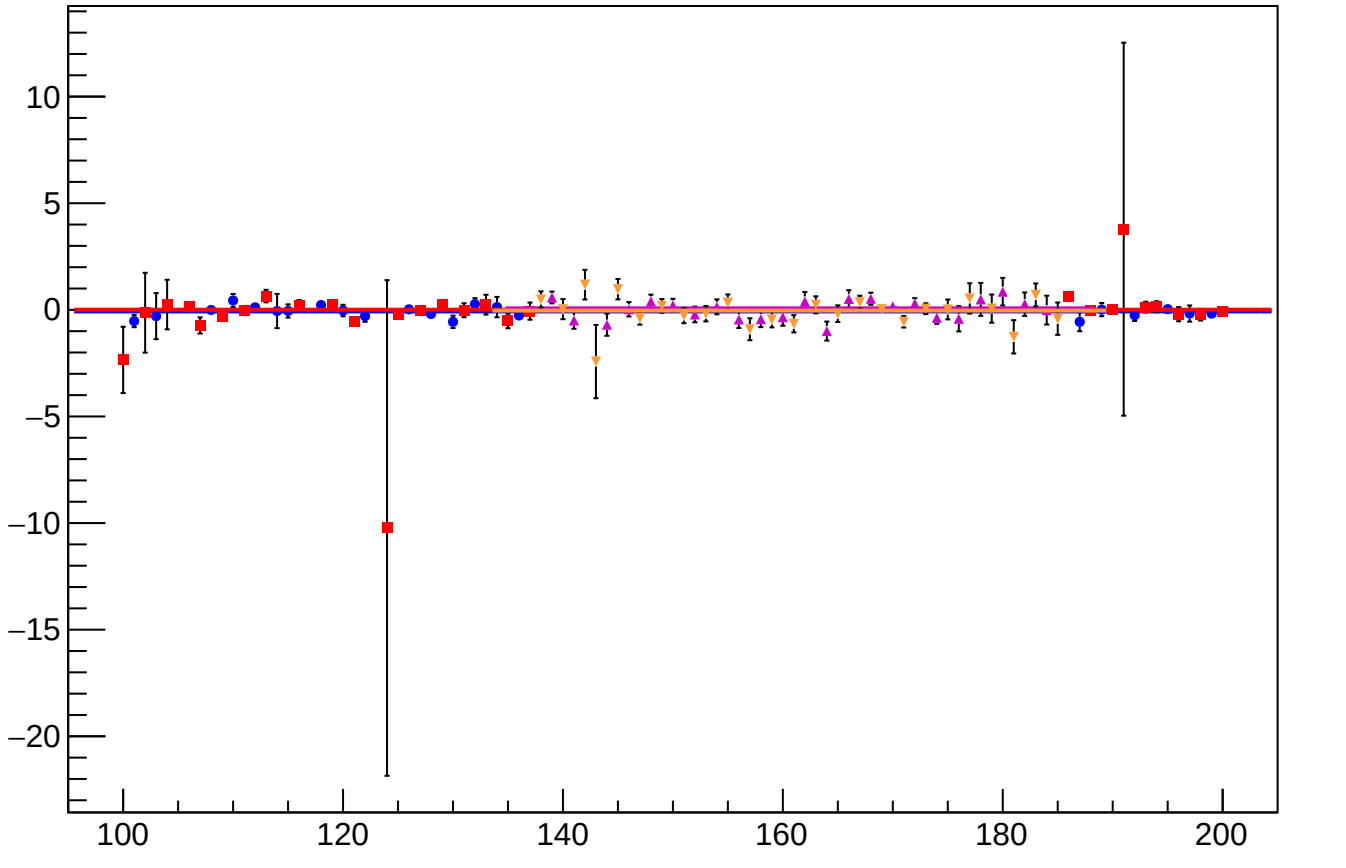
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/46

All: -0.000+/-0.000 χ^2/NDF: 107.3/97

- sign 0.000+/-0.000 χ^2/NDF: 62.1/50


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4725106.0/21
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6904563.6/27
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7229907.9/46
All: 0.000+/-0.000 χ²/NDF: 17187860.5/97
- sign 0.000+/-0.000 χ²/NDF: 9928735.9/50



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

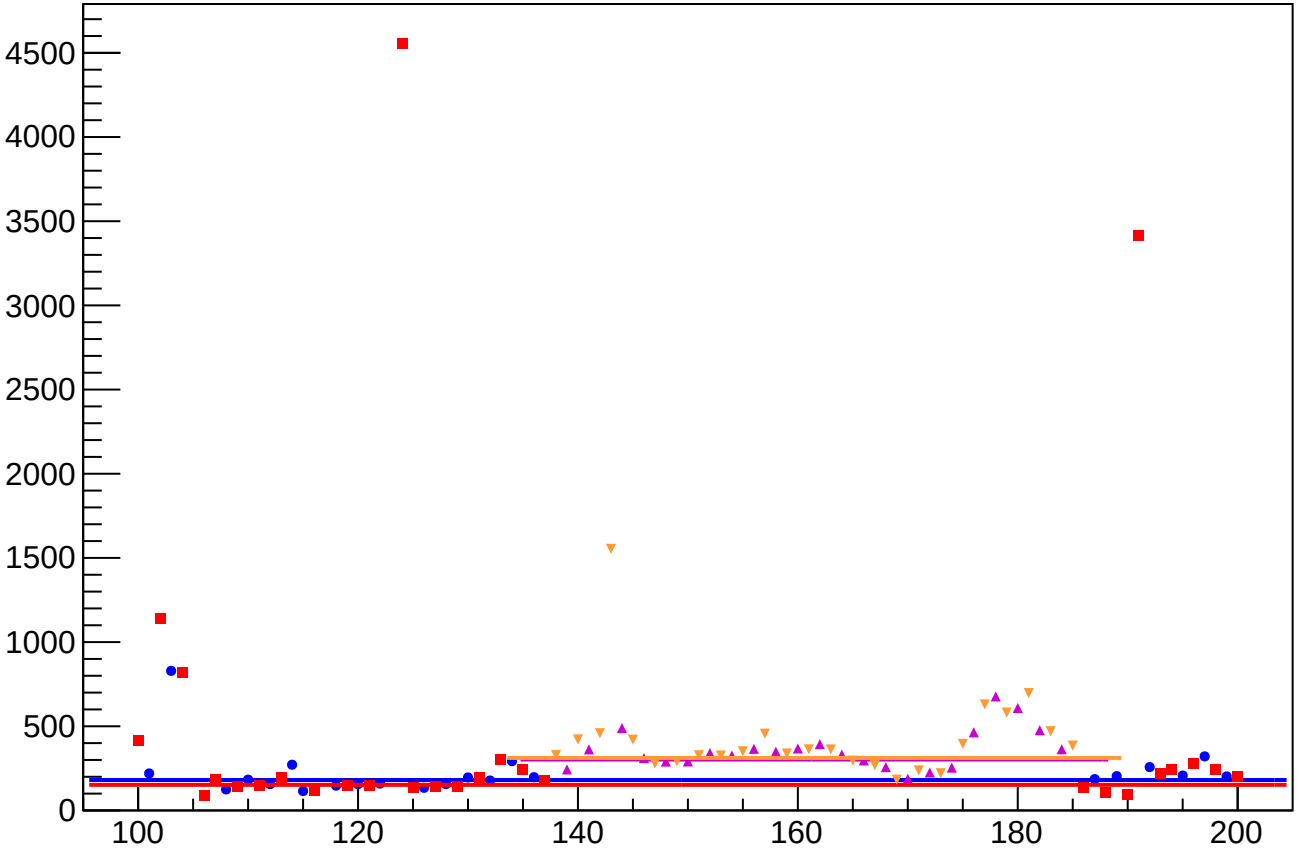
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.012+/-0.030 χ^2/NDF: 119.5/97

\- sign 0.024+/-0.040 χ^2/NDF: 67.7/50

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

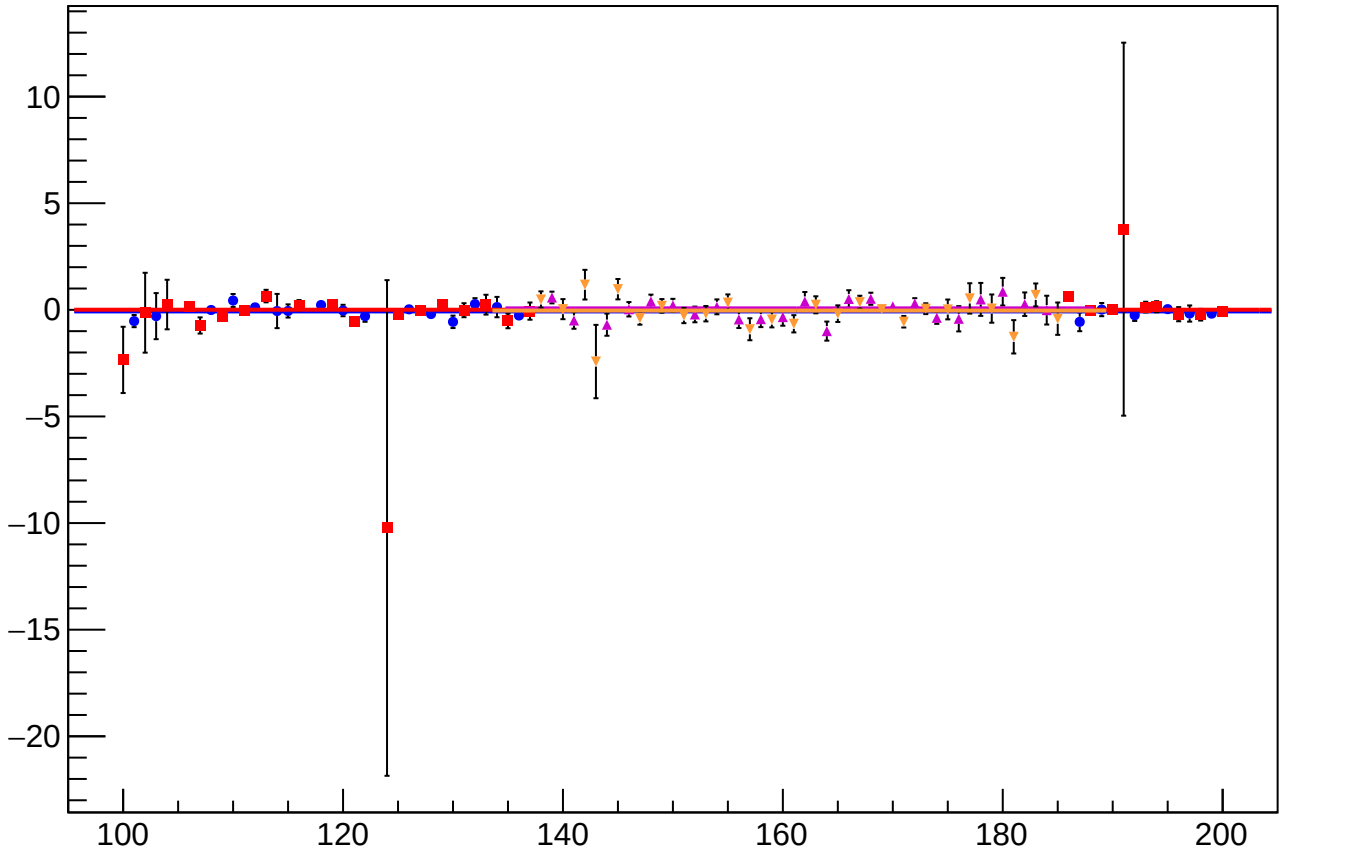
Right Out: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.174+/-0.033 χ^2/NDF: 9958356.9/46

All: 209.278+/-0.021 χ^2/NDF: 23308118.7/97

- sign 195.026+/-0.028 χ^2/NDF: 12759083.7/50



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

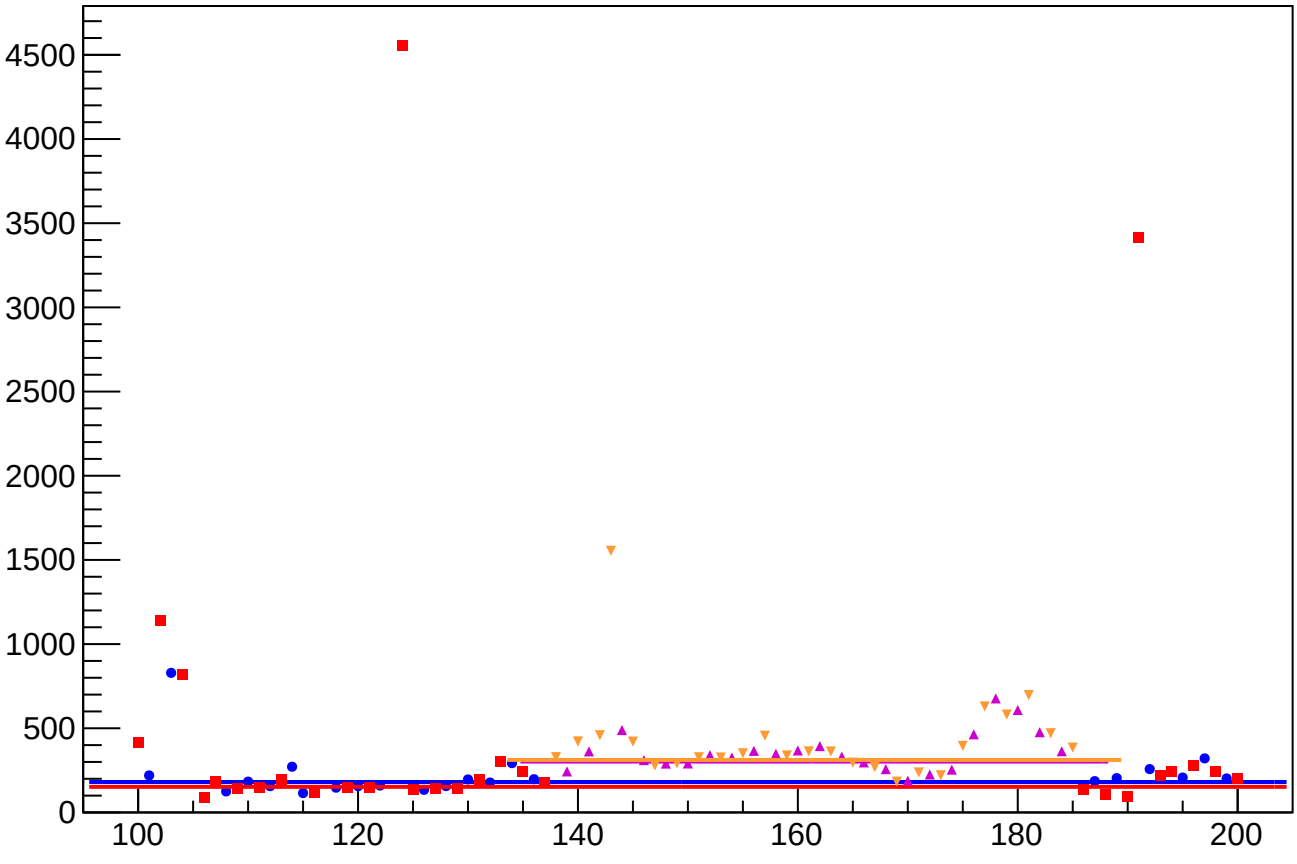
Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.012+/-0.030 χ^2/NDF: 119.5/97

- sign 0.024+/-0.040 χ^2/NDF: 67.7/50



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

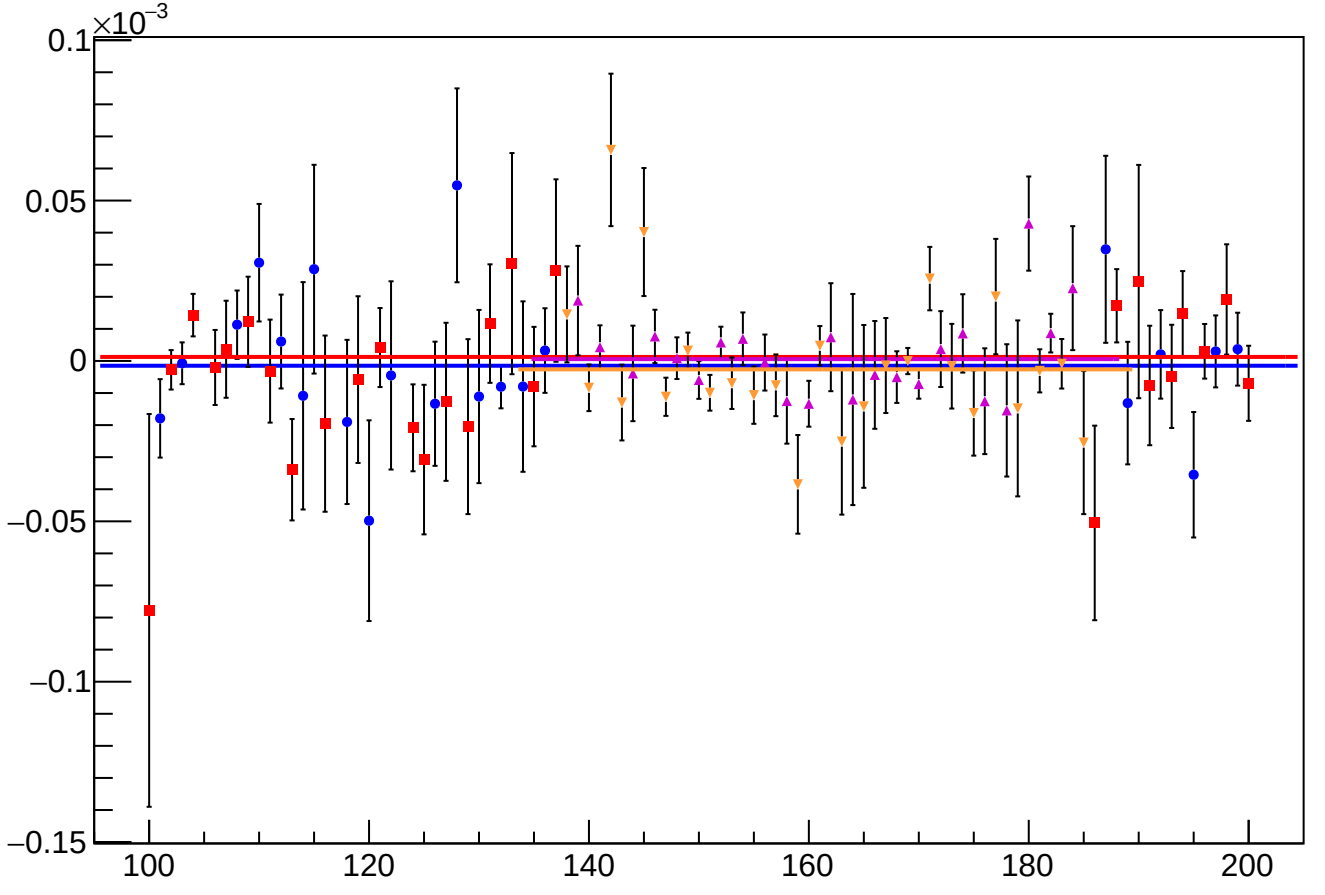
Right Out: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.174+/-0.033 χ^2/NDF: 9958356.9/46

All: 209.278+/-0.021 χ^2/NDF: 23308118.7/97

- sign 195.026+/-0.028 χ^2/NDF: 12759083.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

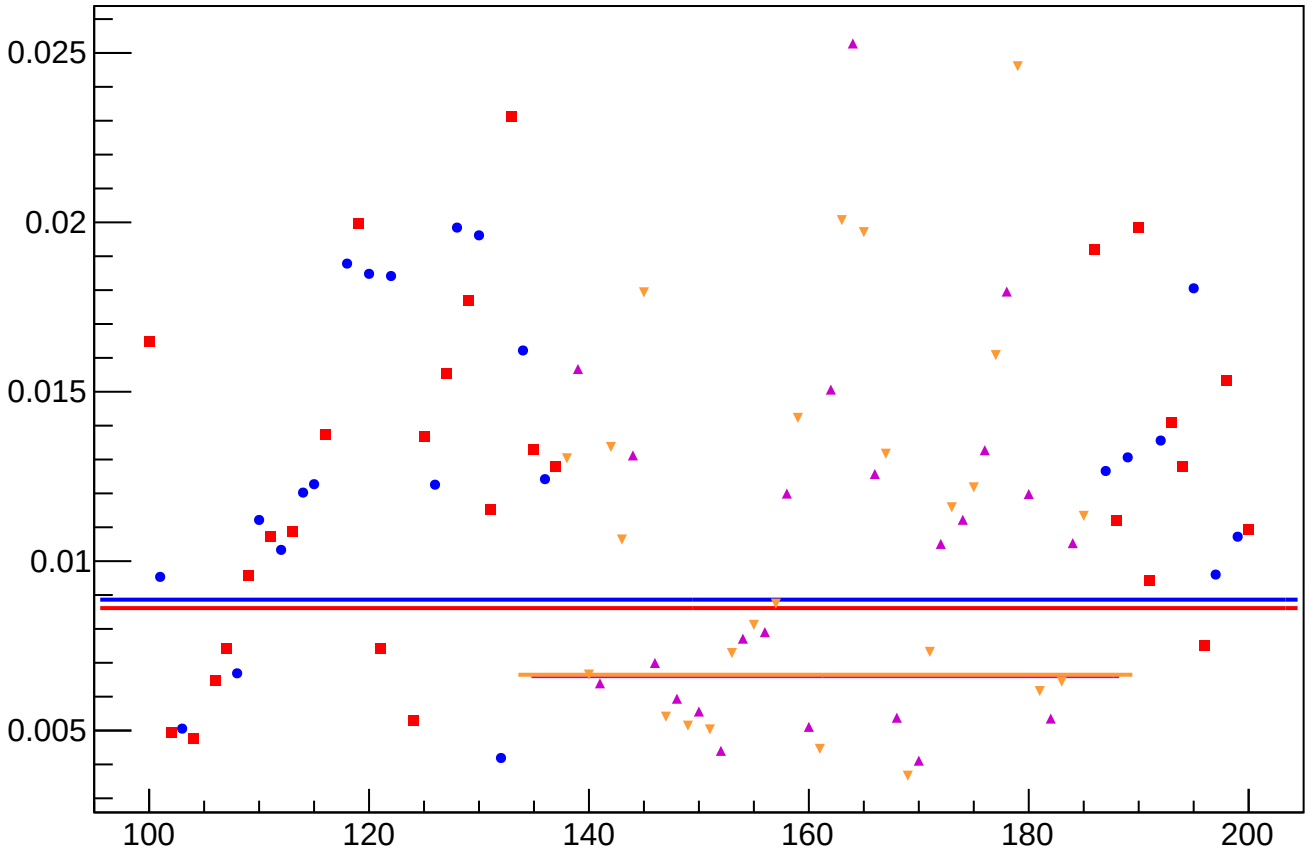
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/27

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/46

All: -0.000+/-0.000 χ^2/NDF: 120.9/97

- sign 0.000+/-0.000 χ^2/NDF: 55.3/50



Right In: 0.009+/-0.000 χ^2/NDF: 4334937.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

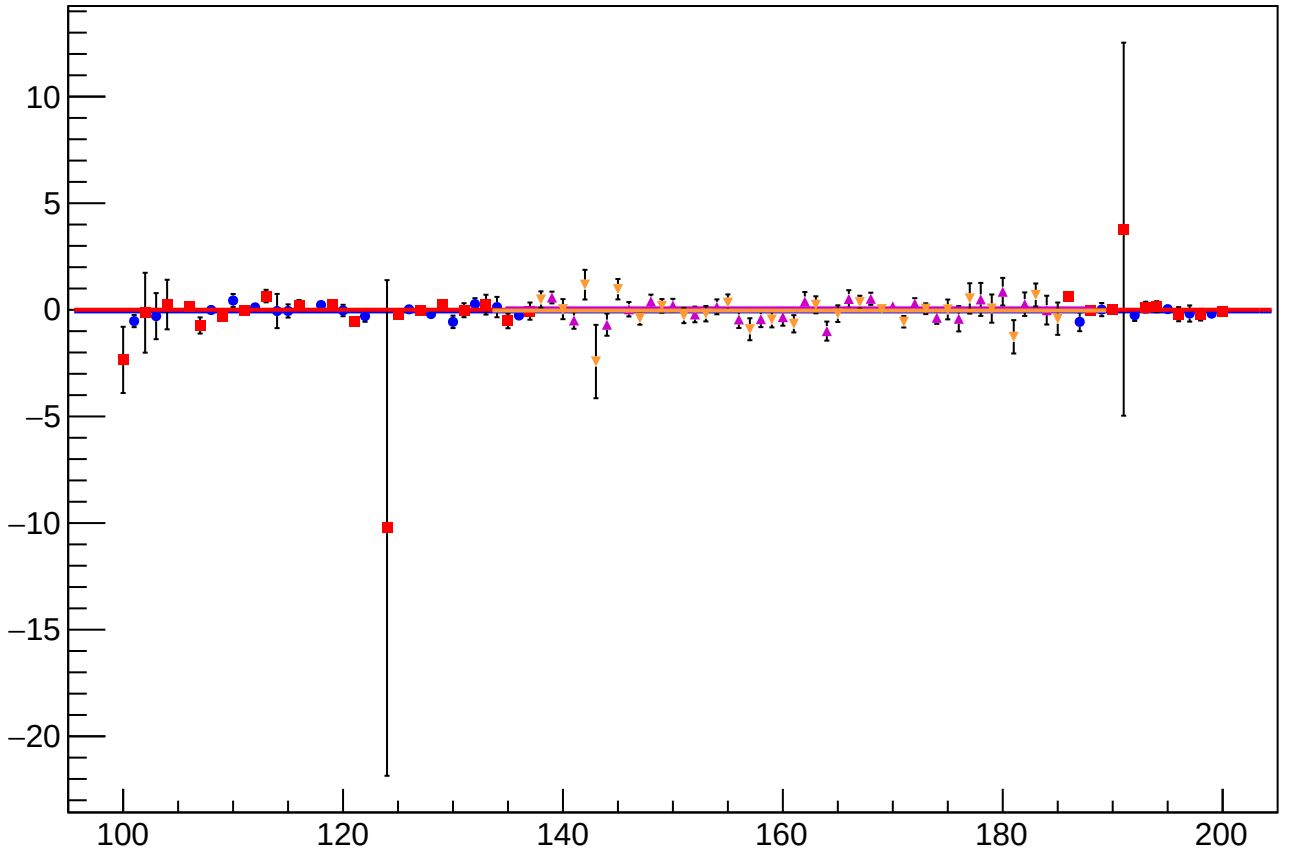
Right Out: 0.009+/-0.000 χ^2/NDF: 4604980.2/27

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12681795.5/46

All: 0.007+/-0.000 χ^2/NDF: 23956922.3/97

- sign 0.007+/-0.000 χ^2/NDF: 11274708.2/50



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

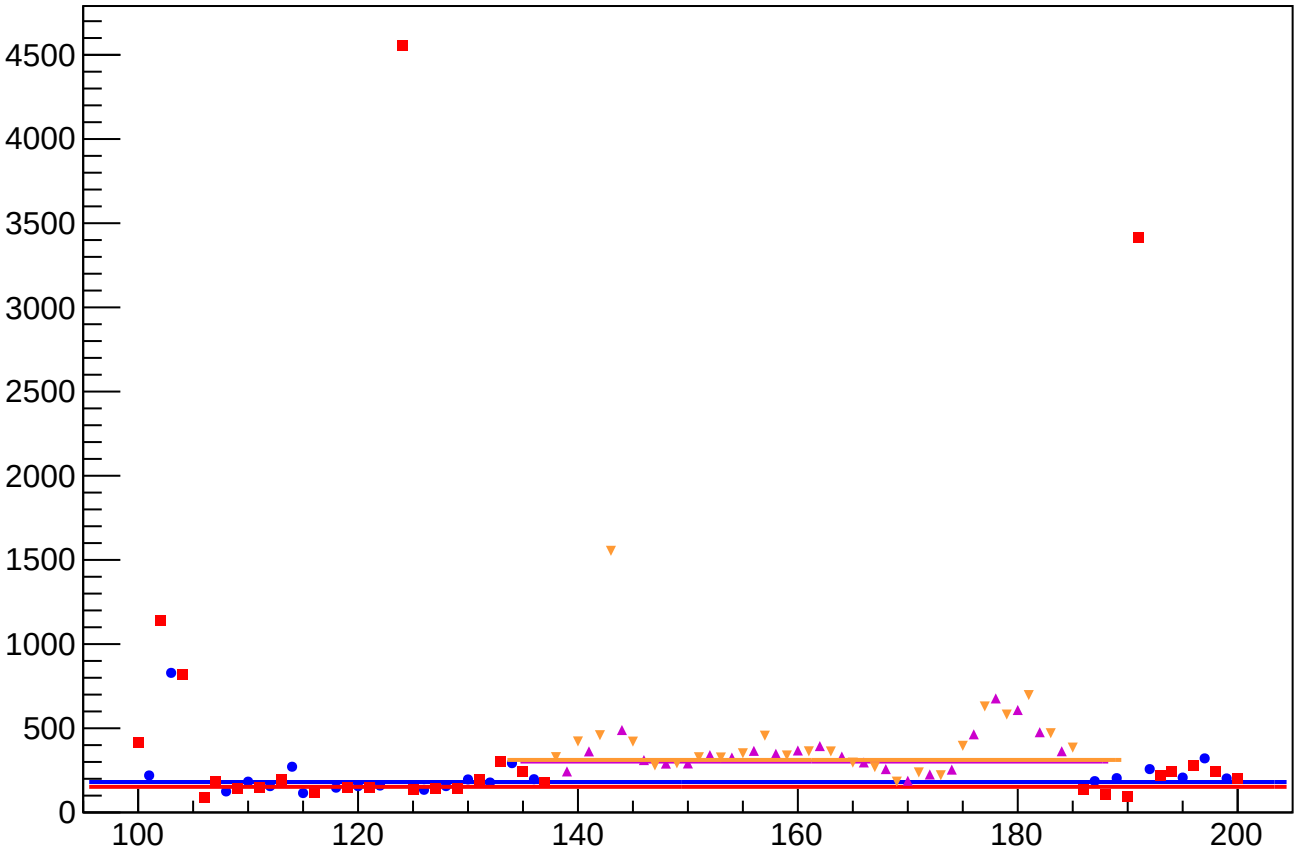
Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.012+/-0.030 χ^2/NDF: 119.5/97

- sign 0.024+/-0.040 χ^2/NDF: 67.7/50



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

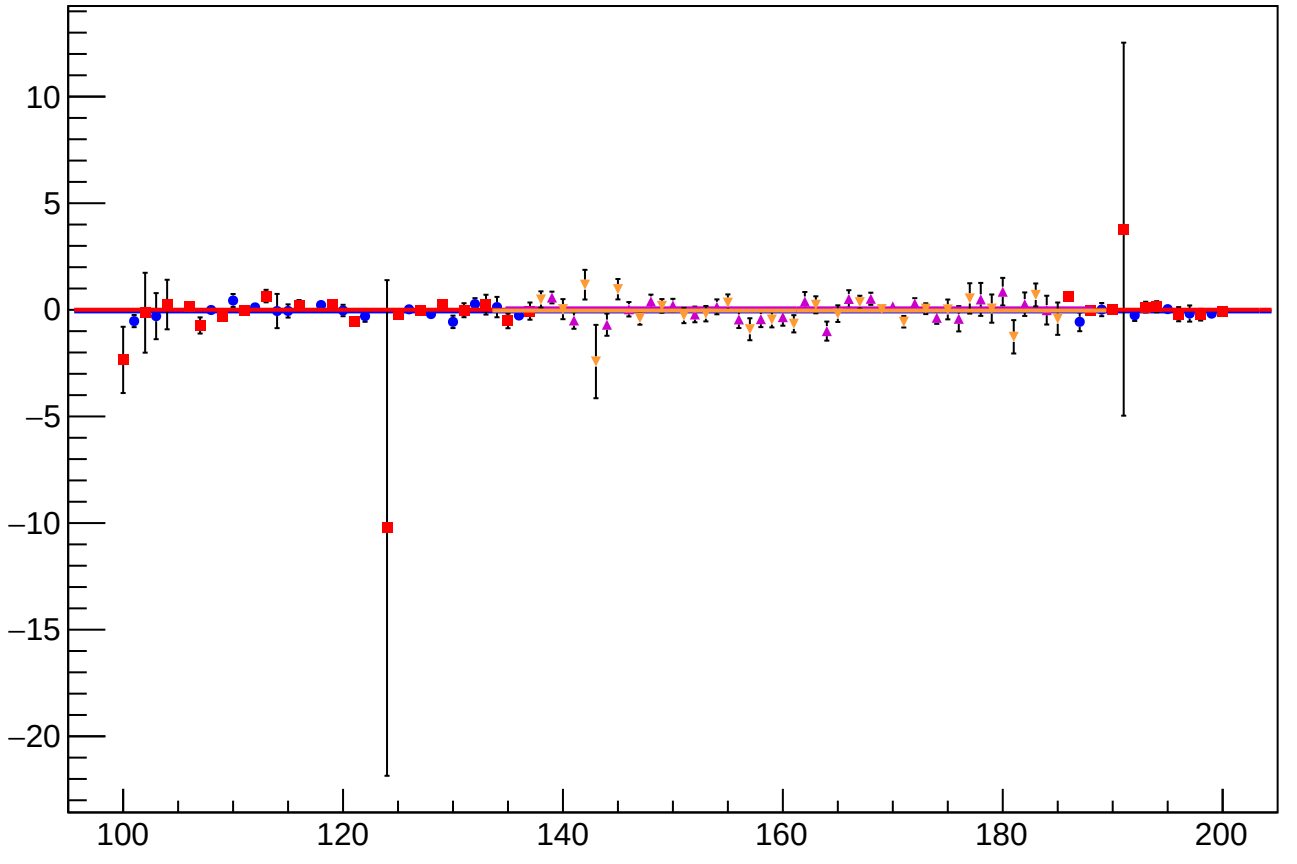
Right Out: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.173+/-0.033 χ^2/NDF: 9958589.6/46

All: 209.275+/-0.021 χ^2/NDF: 23309135.8/97

- sign 195.023+/-0.028 χ^2/NDF: 12759761.9/50



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

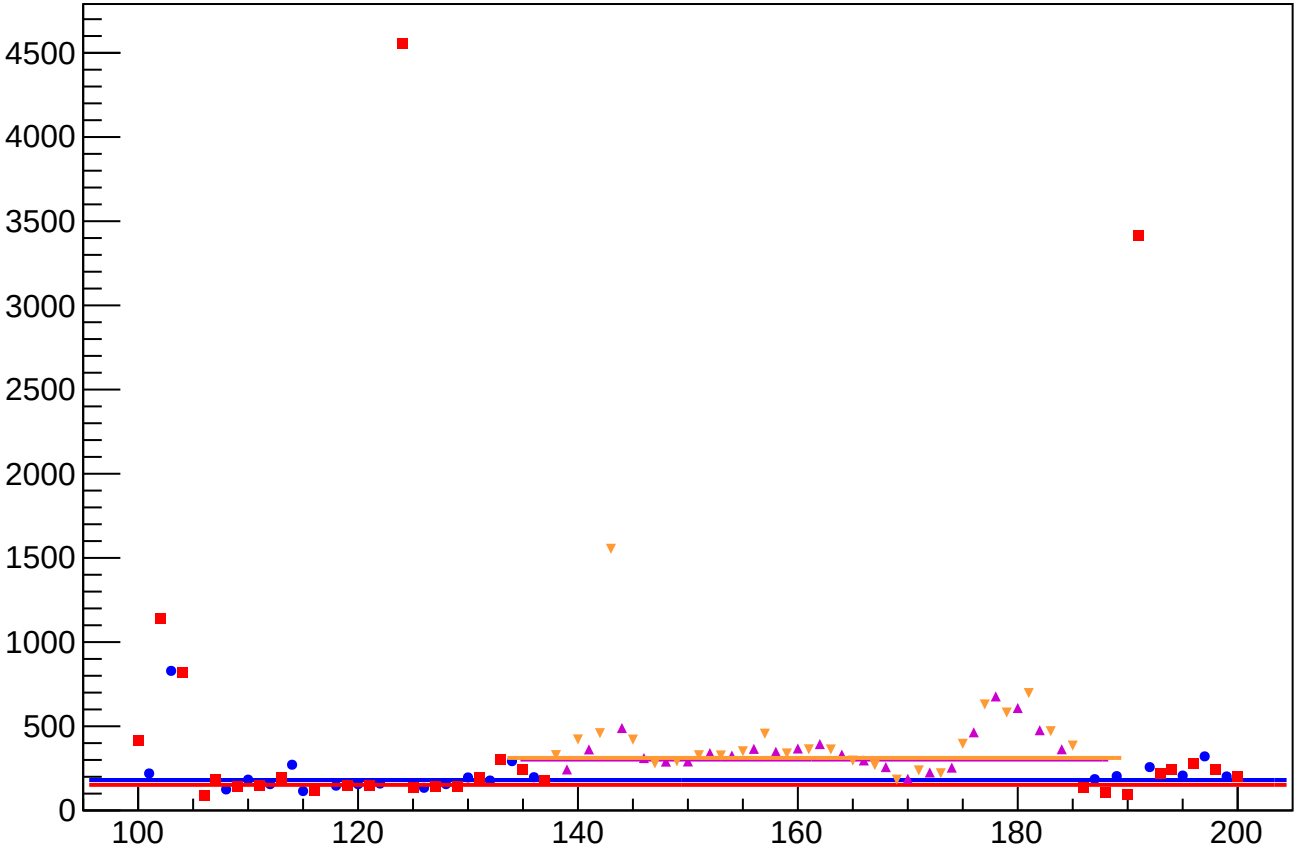
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.012+/-0.030 χ^2/NDF: 119.5/97

- sign 0.024+/-0.040 χ^2/NDF: 67.7/50

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

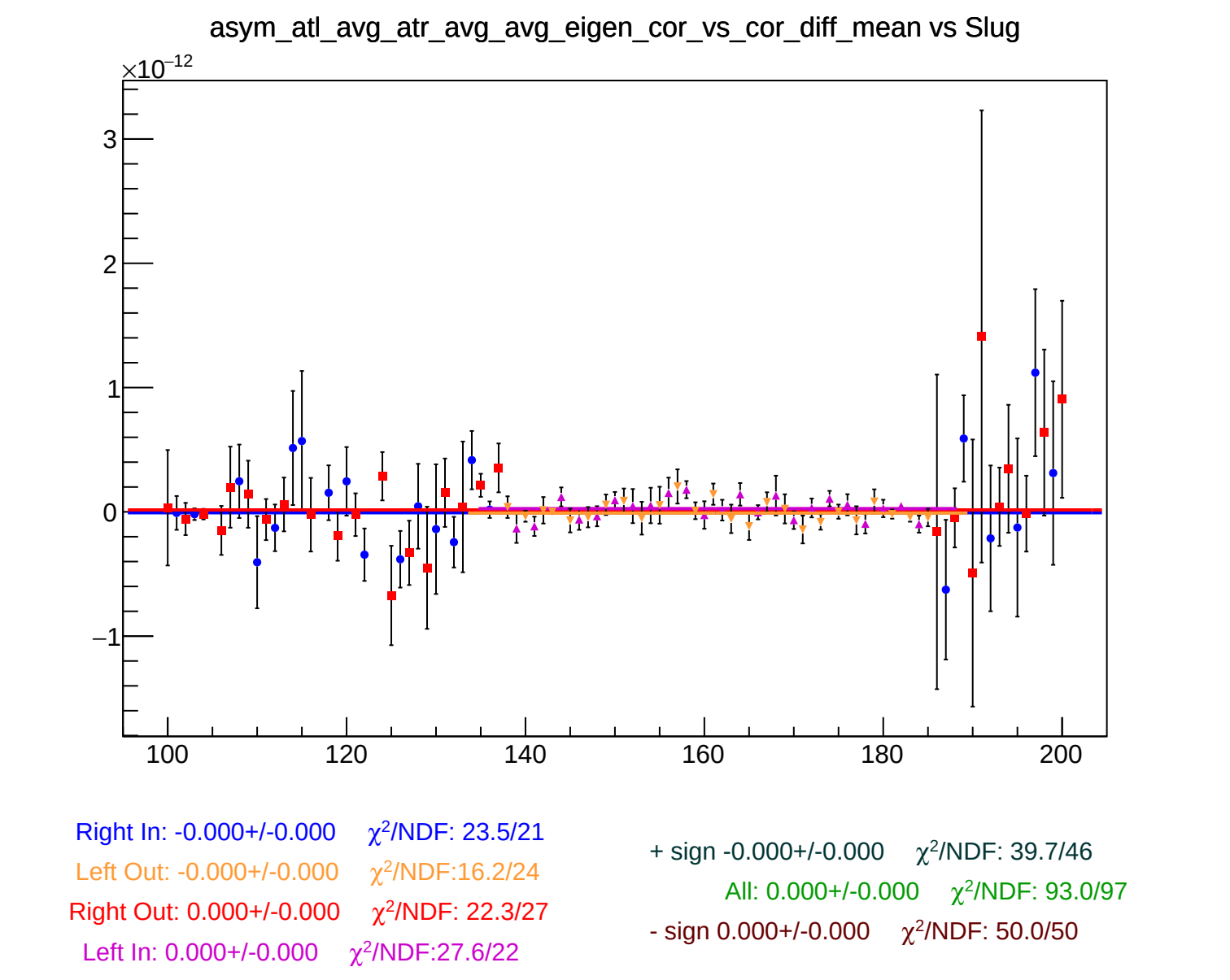
Right Out: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

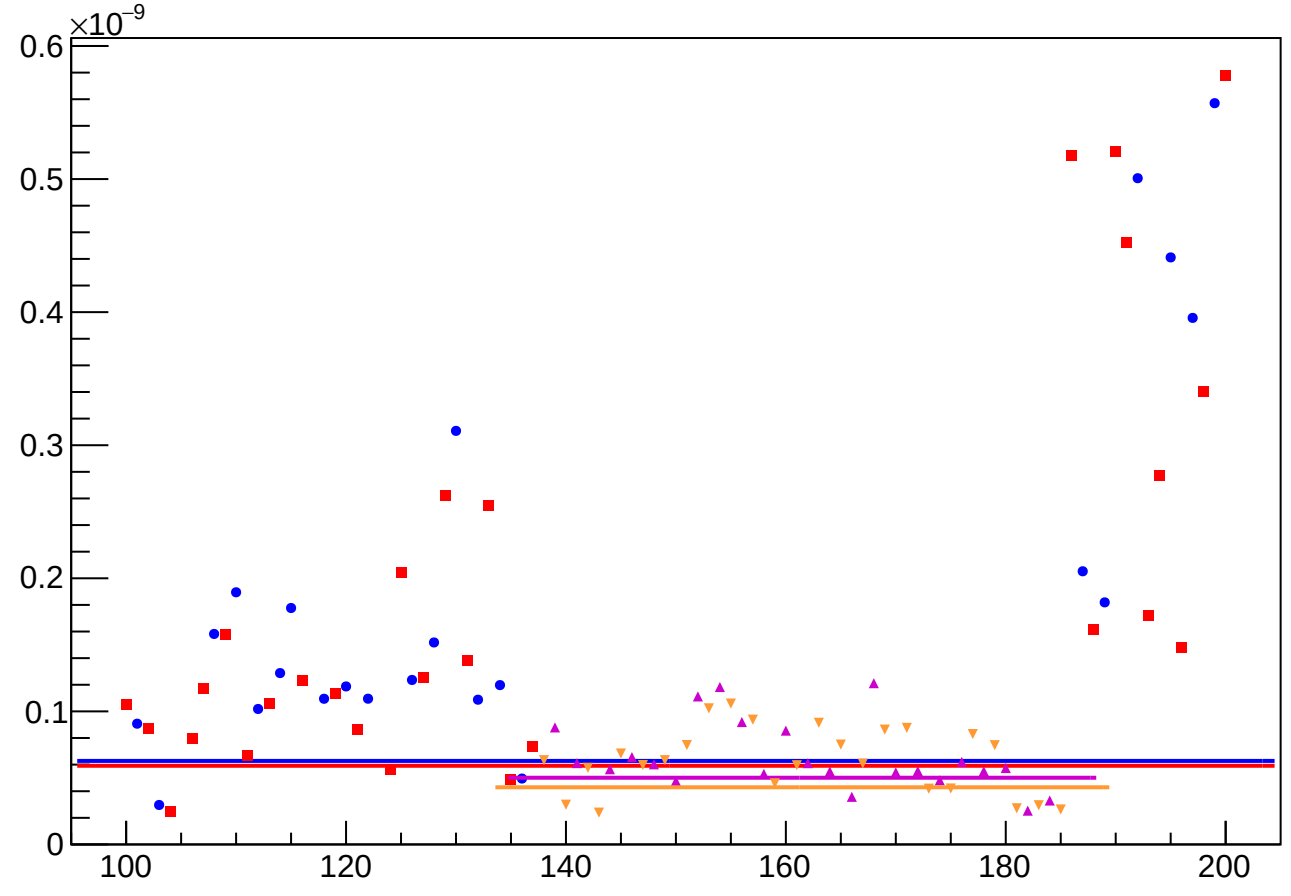
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.173+/-0.033 χ^2/NDF: 9958589.6/46

All: 209.275+/-0.021 χ^2/NDF: 23309135.8/97

- sign 195.023+/-0.028 χ^2/NDF: 12759761.9/50


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.5/21
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/27
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
+ sign -0.000+/-0.000 χ²/NDF: 39.7/46
All: 0.000+/-0.000 χ²/NDF: 93.0/97
- sign 0.000+/-0.000 χ²/NDF: 50.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 6461758.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6476650.8/27

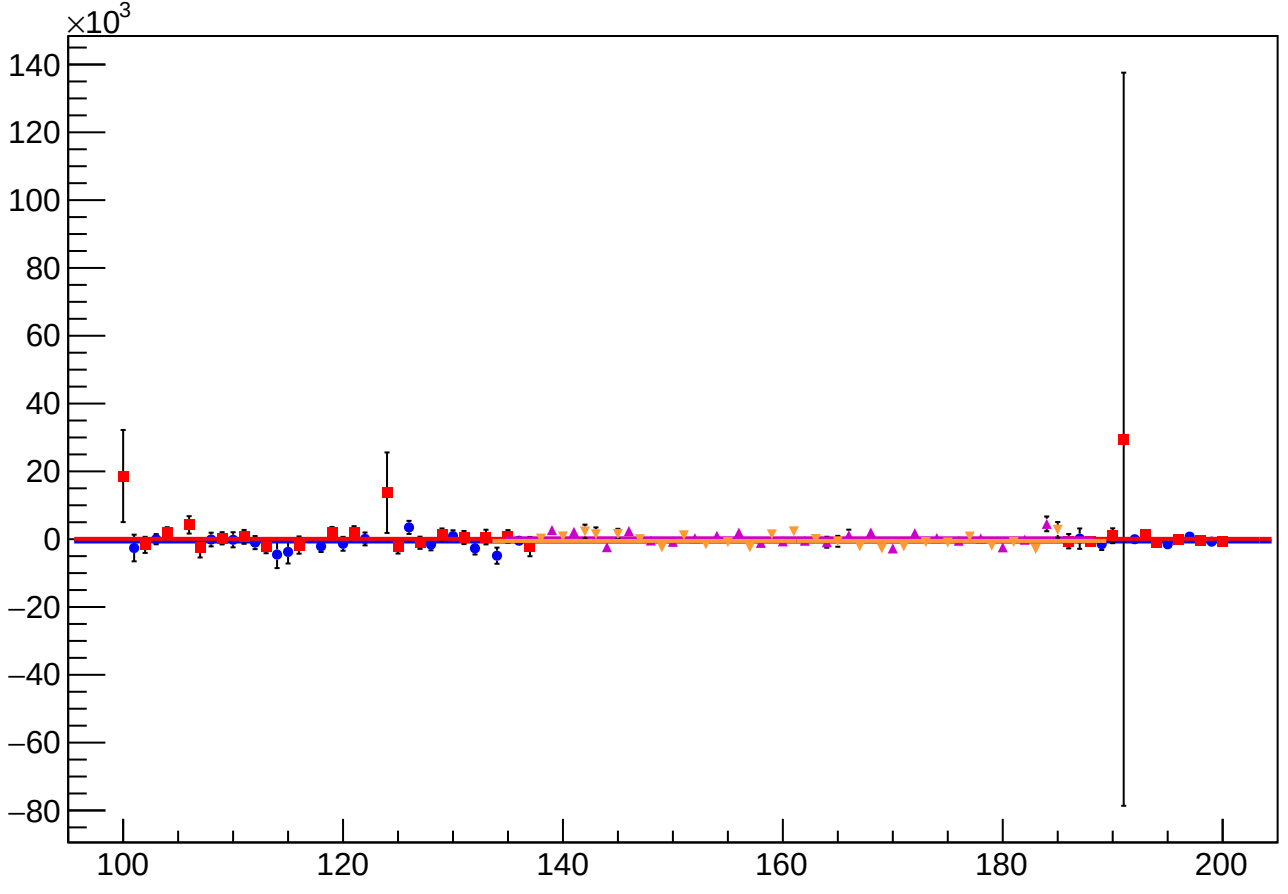
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12169365.0/46

All: 0.000+/-0.000 χ^2/NDF: 22610742.3/97

- sign 0.000+/-0.000 χ^2/NDF: 10225728.0/50

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 104.047+/-358.219 χ^2/NDF: 18.5/27

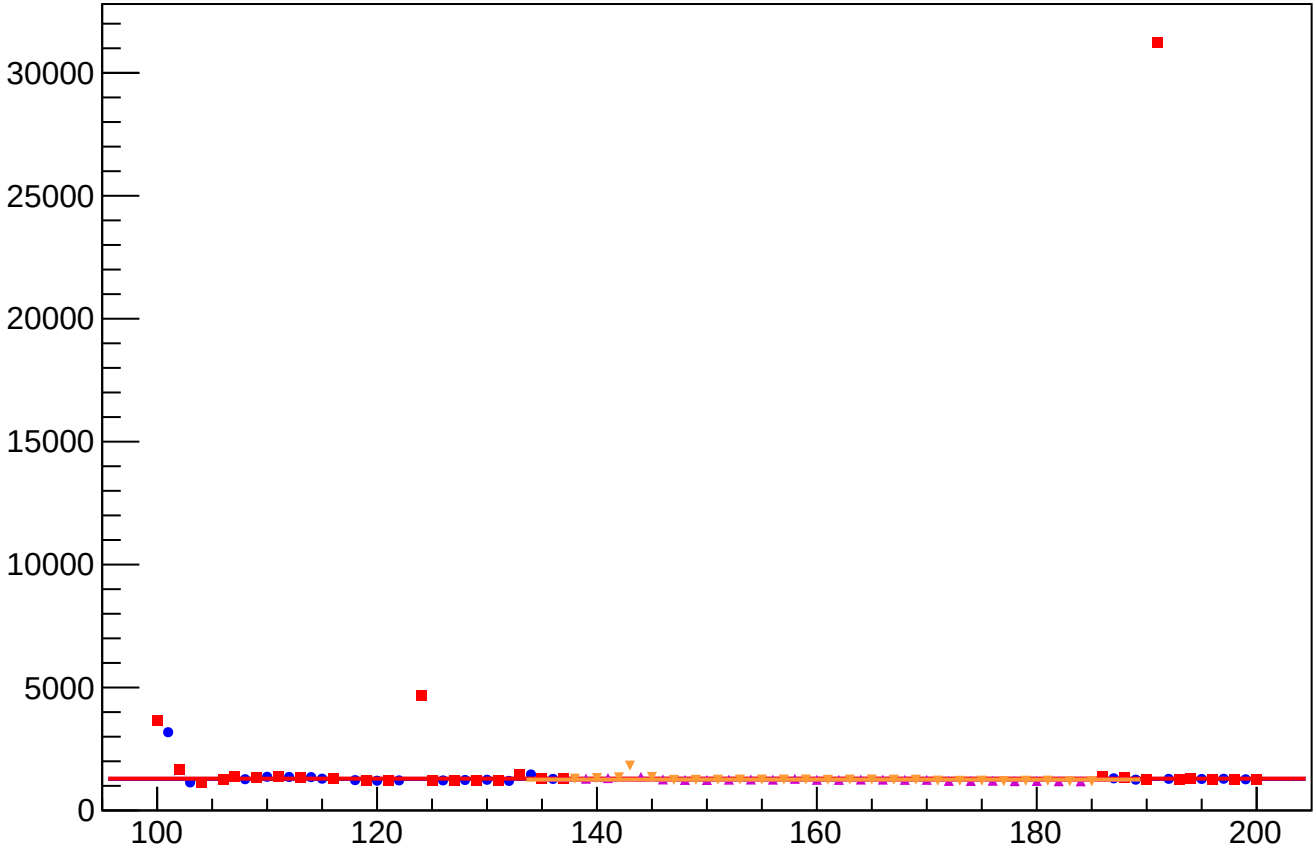
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -574.298+/-228.980 χ^2/NDF: 46.5/46

All: -188.299+/-160.829 χ^2/NDF: 102.7/97

- sign 187.530+/-225.943 χ^2/NDF: 50.6/50

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

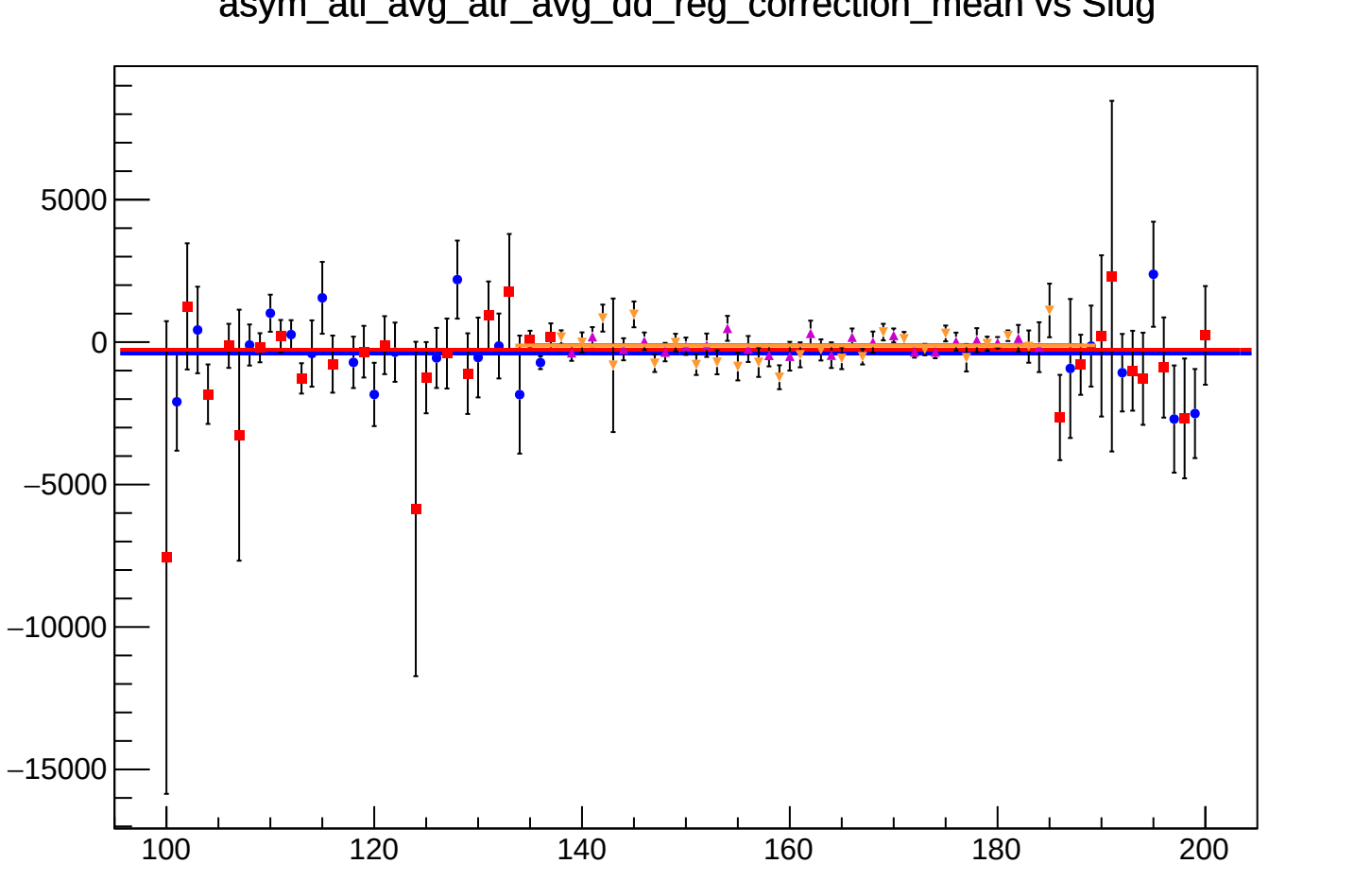
Right Out: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729068.0/46

All: 1265.483+/-0.114 χ^2/NDF: 1281368.0/97

- sign 1265.571+/-0.160 χ^2/NDF: 552299.3/50



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -267.969+/-162.126 χ^2/NDF: 20.0/27

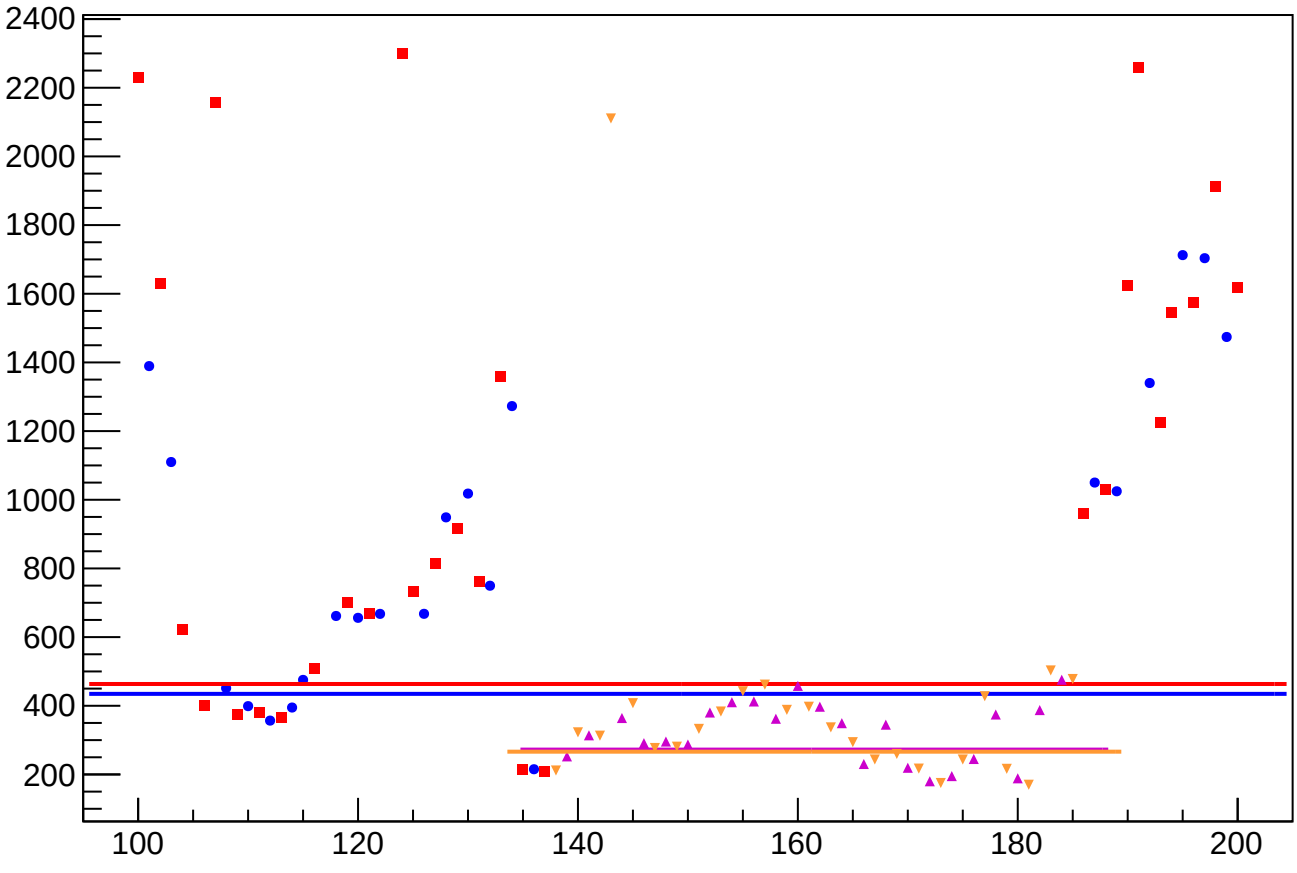
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.957+/-60.435 χ^2/NDF: 75.1/46

All: -143.671+/-43.250 χ^2/NDF: 109.8/97

- sign -130.773+/-61.921 χ^2/NDF: 34.6/50

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

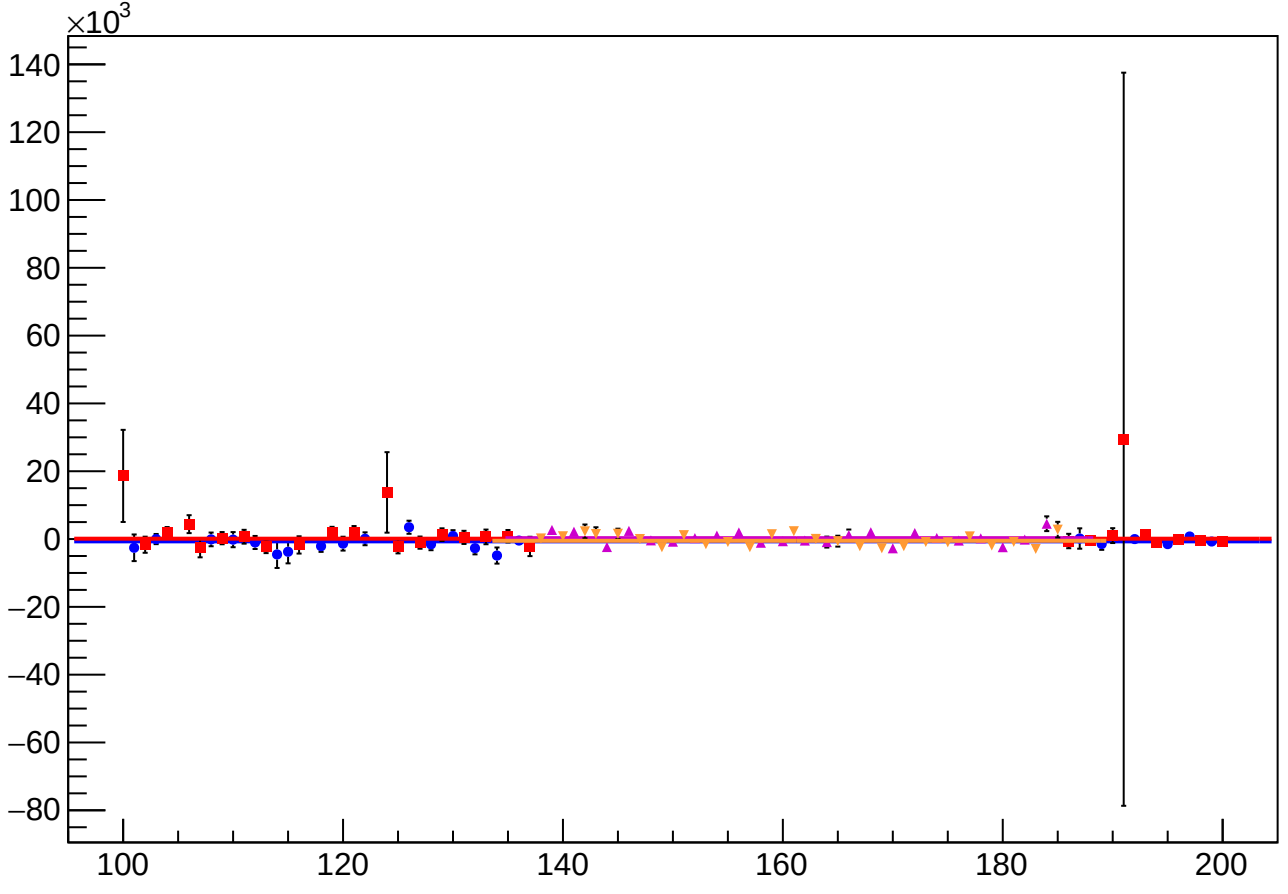
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 289.403+/-0.043 χ^2/NDF: 15003249.4/46

All: 294.692+/-0.031 χ^2/NDF: 30224837.3/97

- sign 300.245+/-0.044 χ^2/NDF: 15190190.5/50

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 102.318+/-358.428 χ^2/NDF: 18.6/27

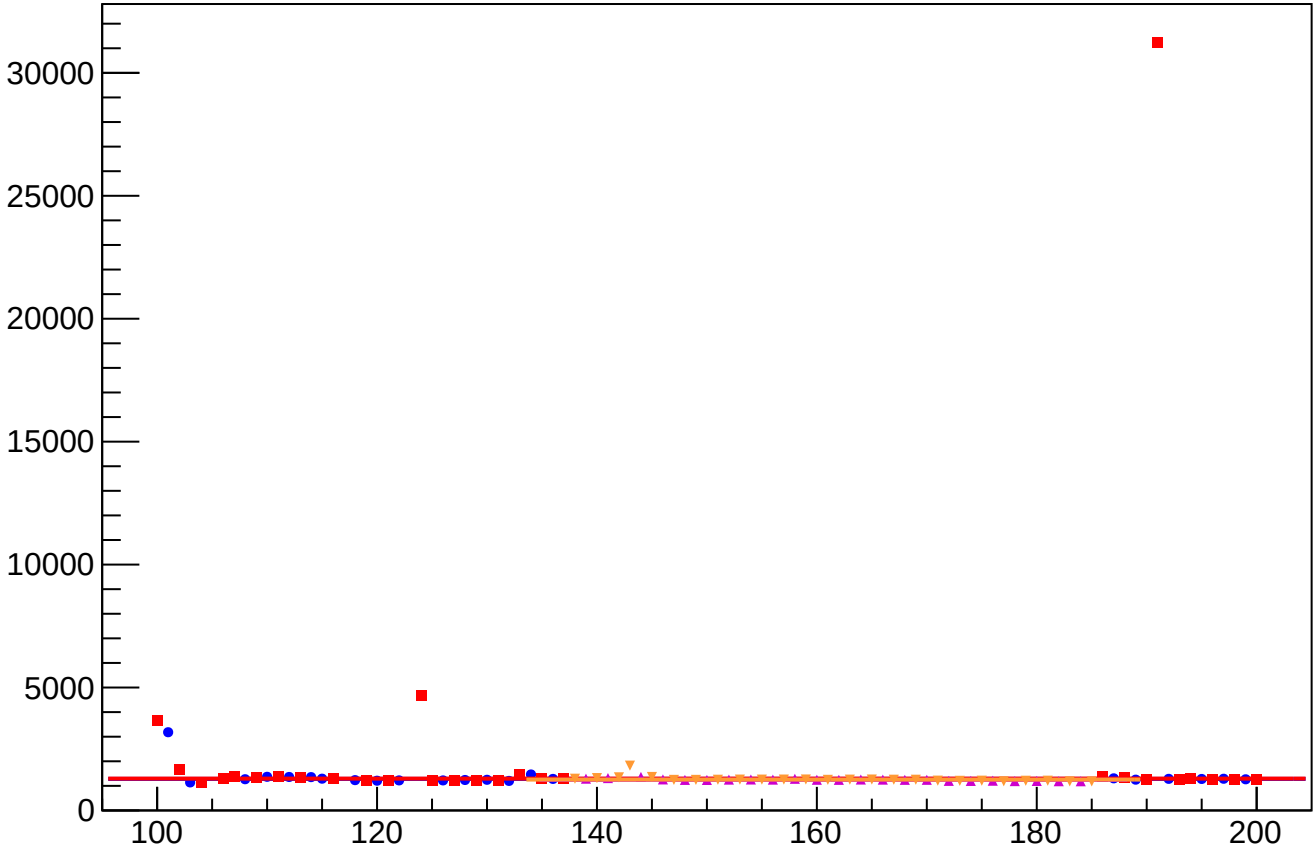
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -188.669+/-160.848 χ^2/NDF: 102.7/97

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

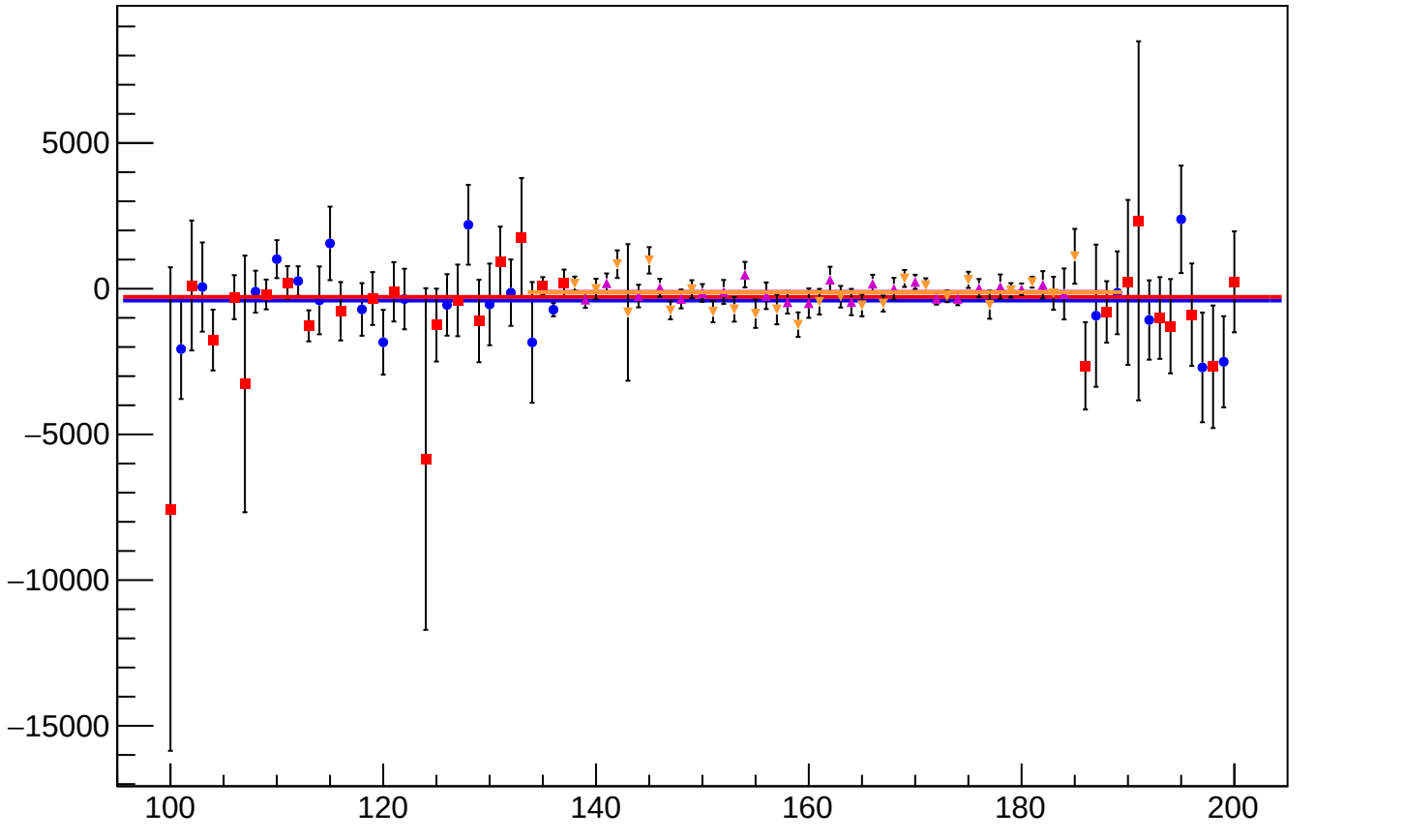
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

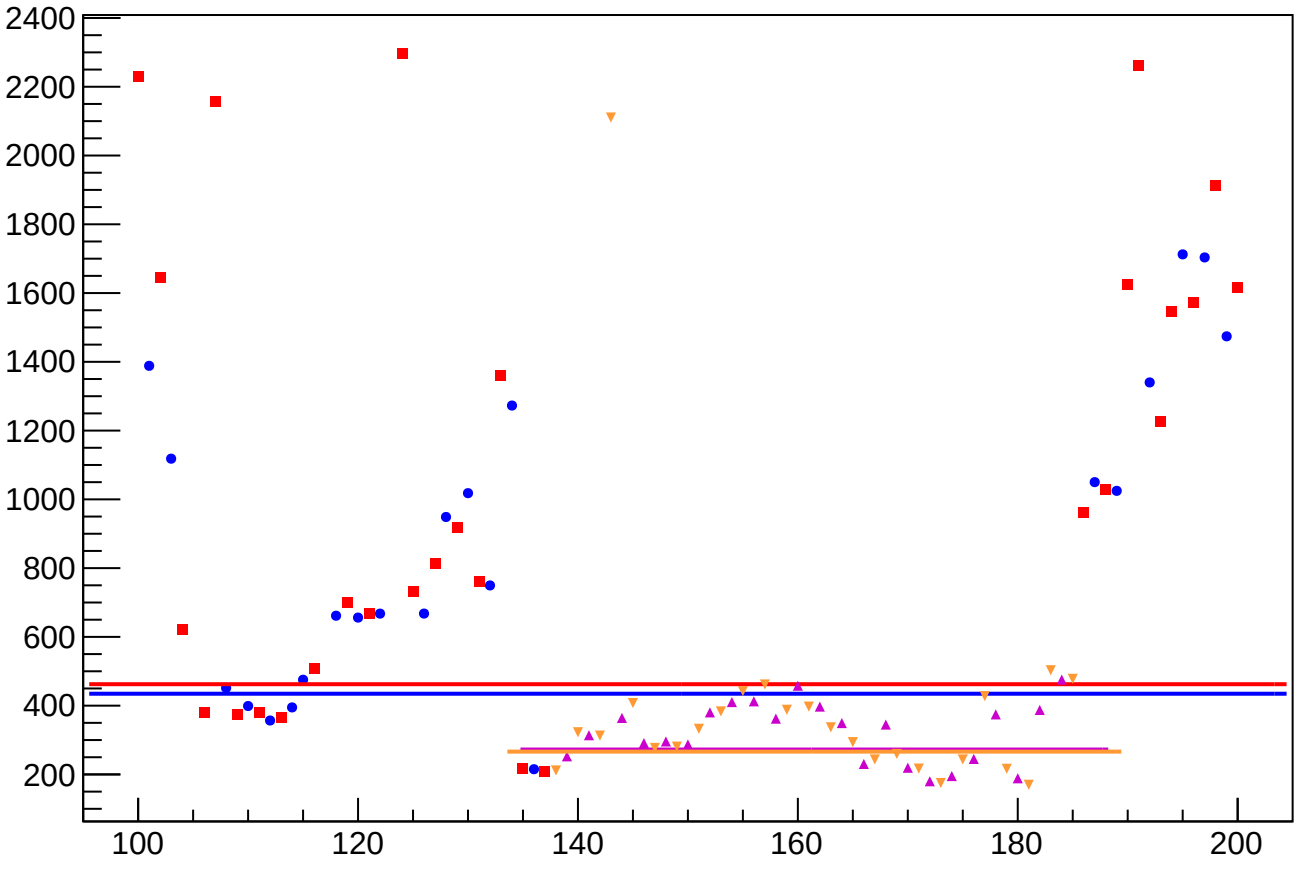
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -144.867+/-43.248 χ^2/NDF: 109.1/97

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

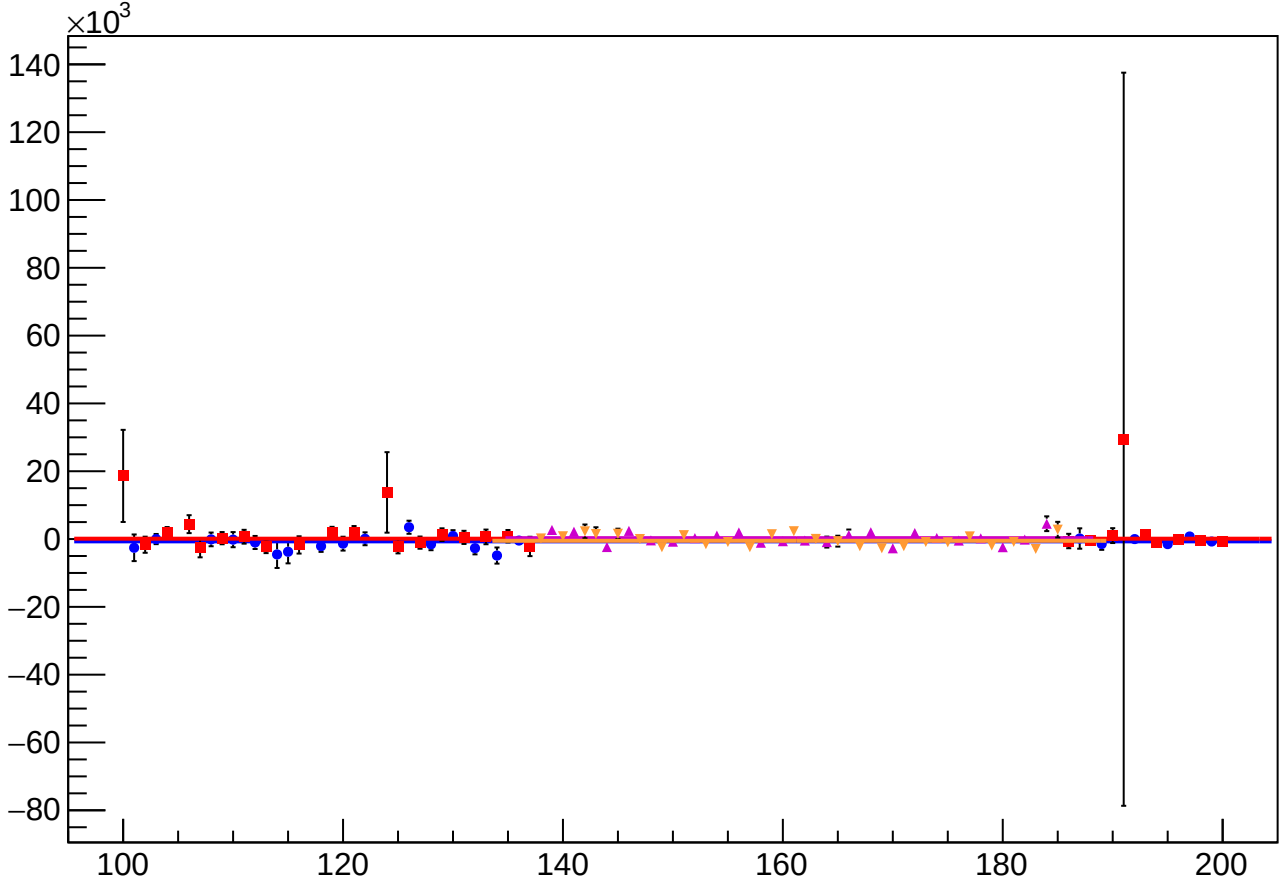
Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 102.318+/-358.428 χ^2/NDF: 18.6/27

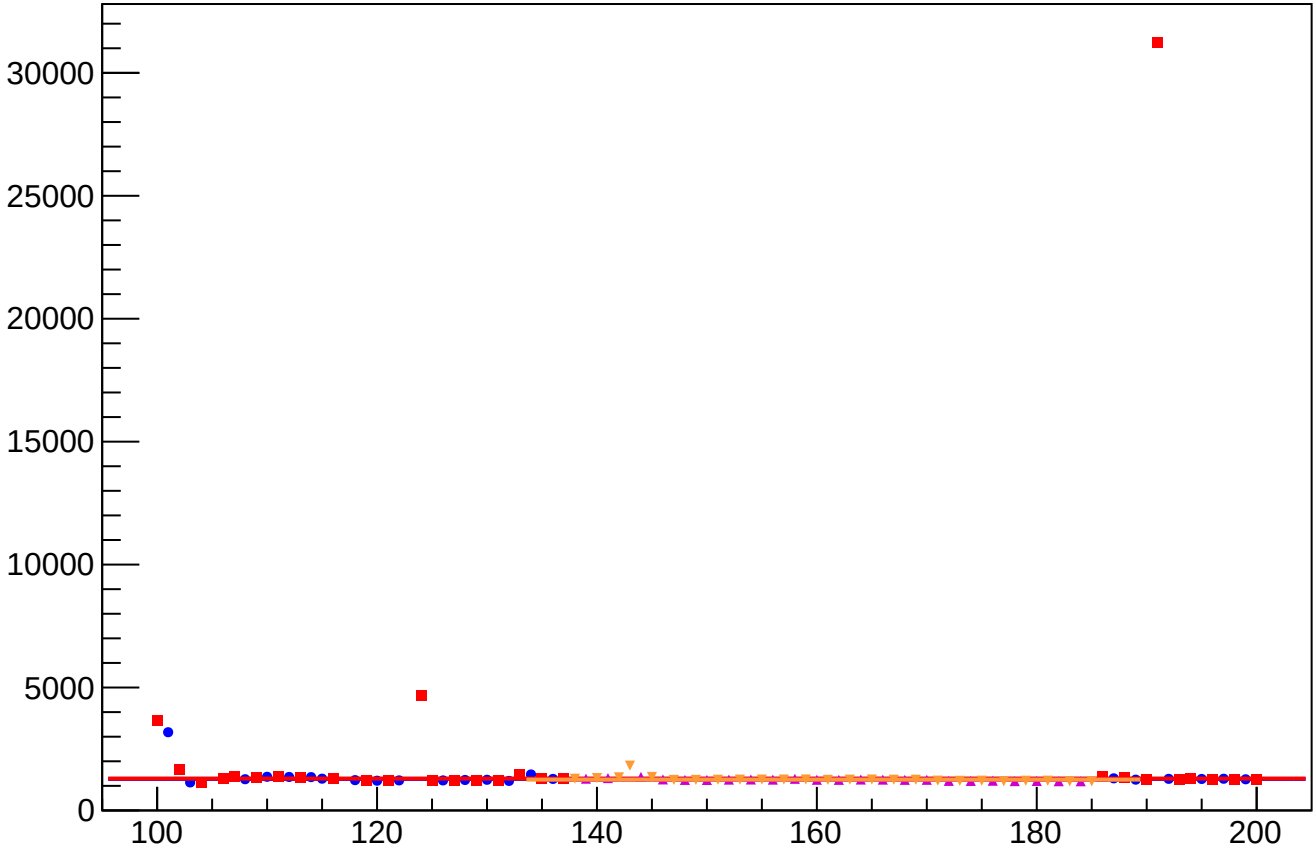
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -188.669+/-160.848 χ^2/NDF: 102.7/97

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

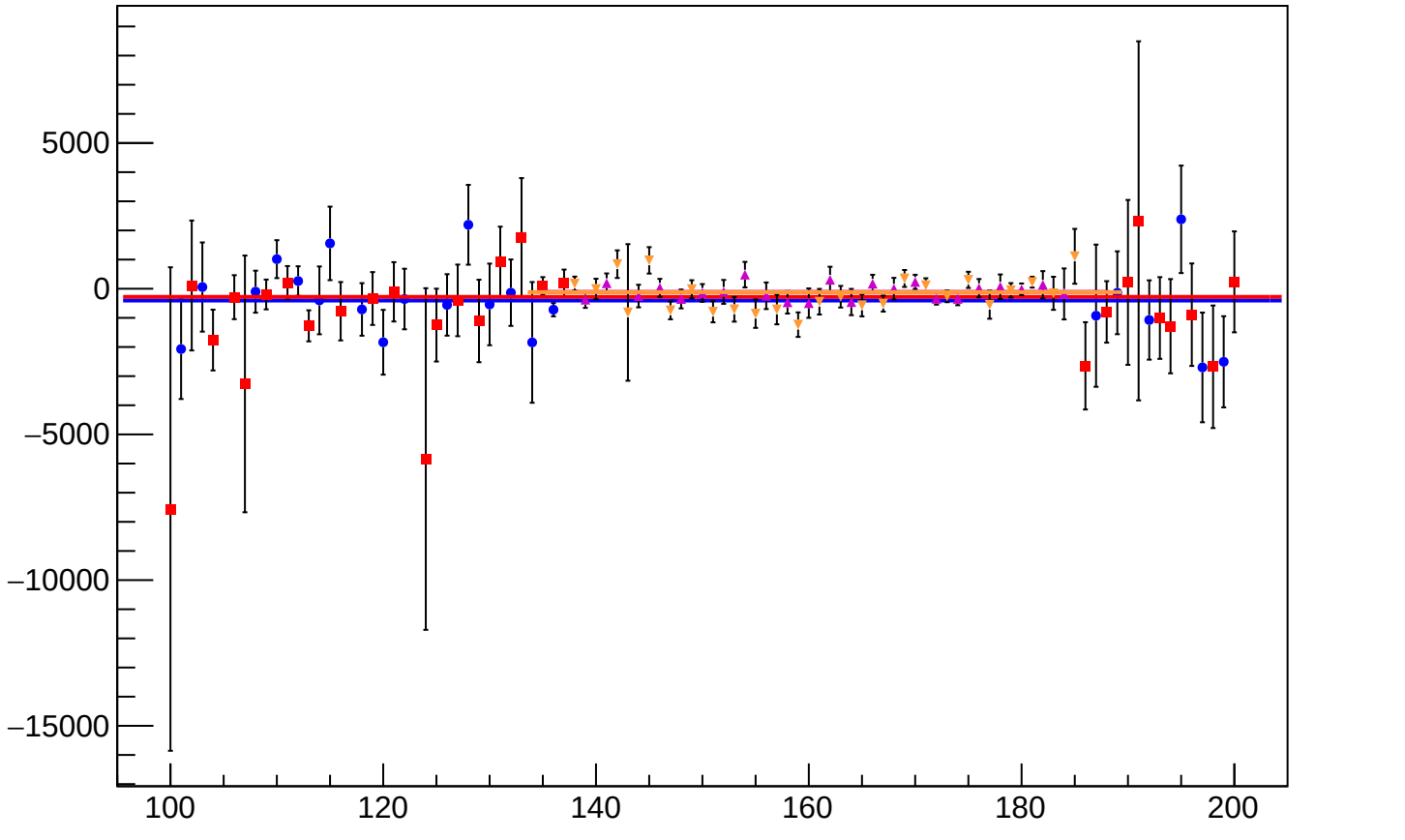
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

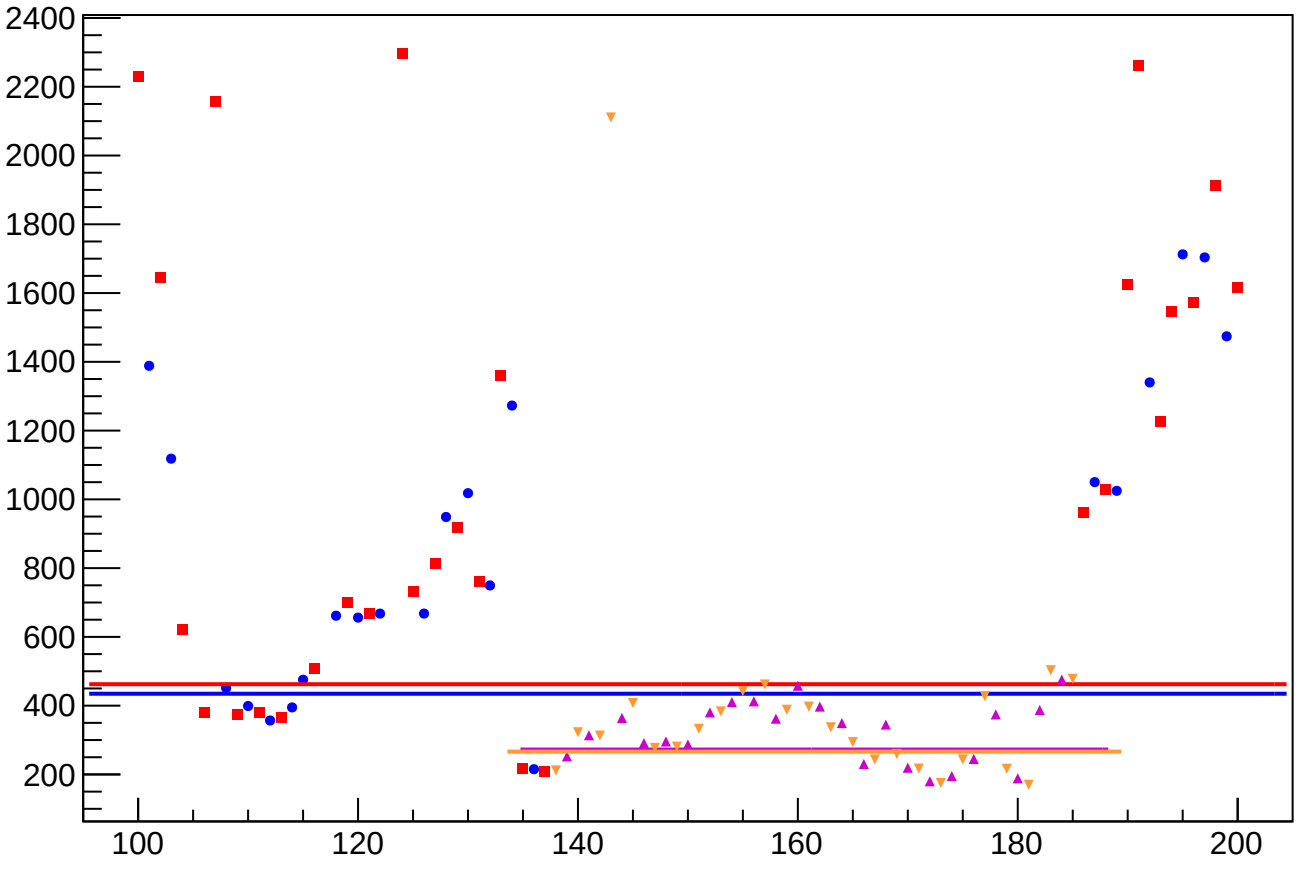
Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -144.867+/-43.248 χ^2/NDF: 109.1/97

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

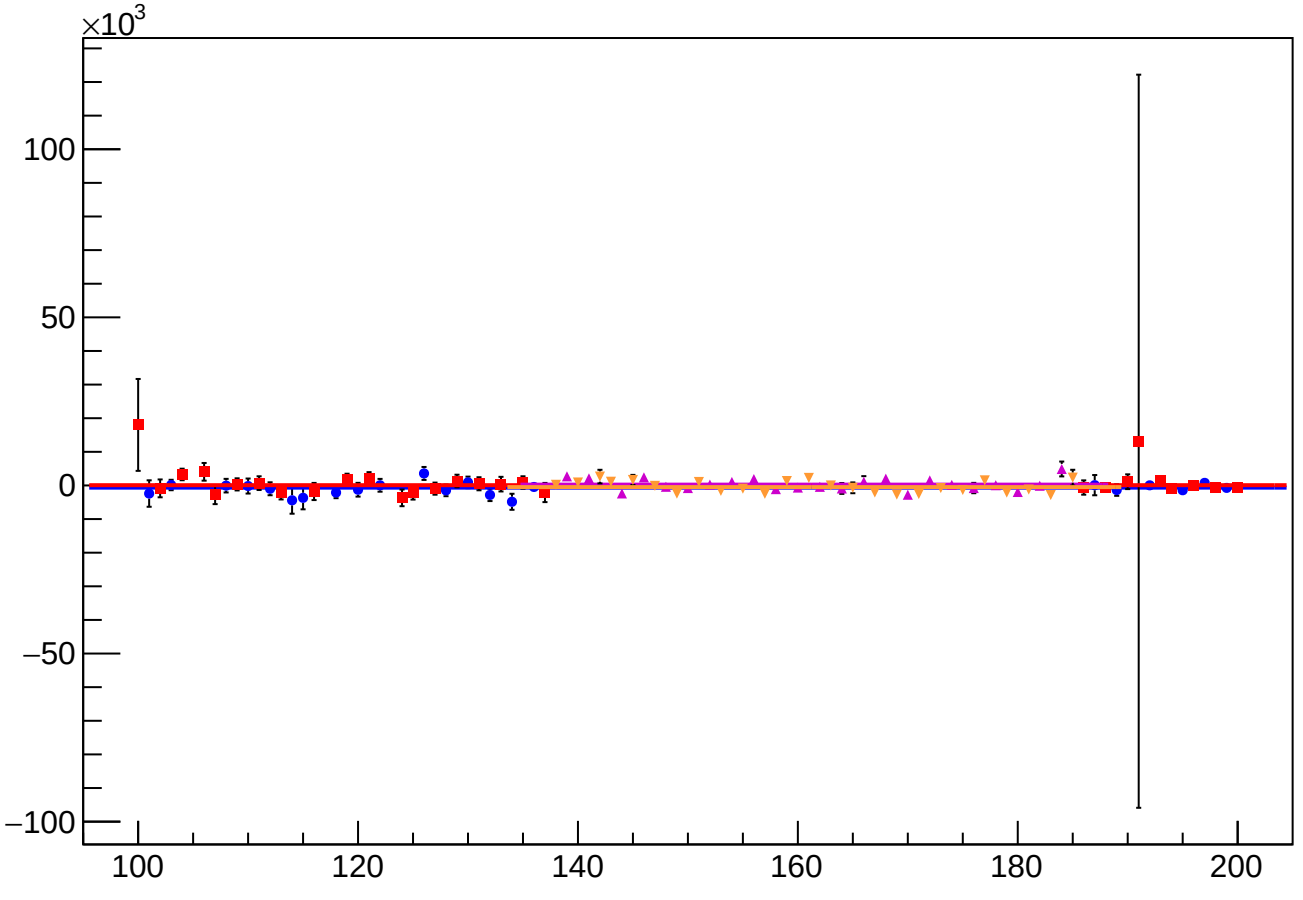
Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 77.206+/-357.247 χ^2/NDF: 20.4/27

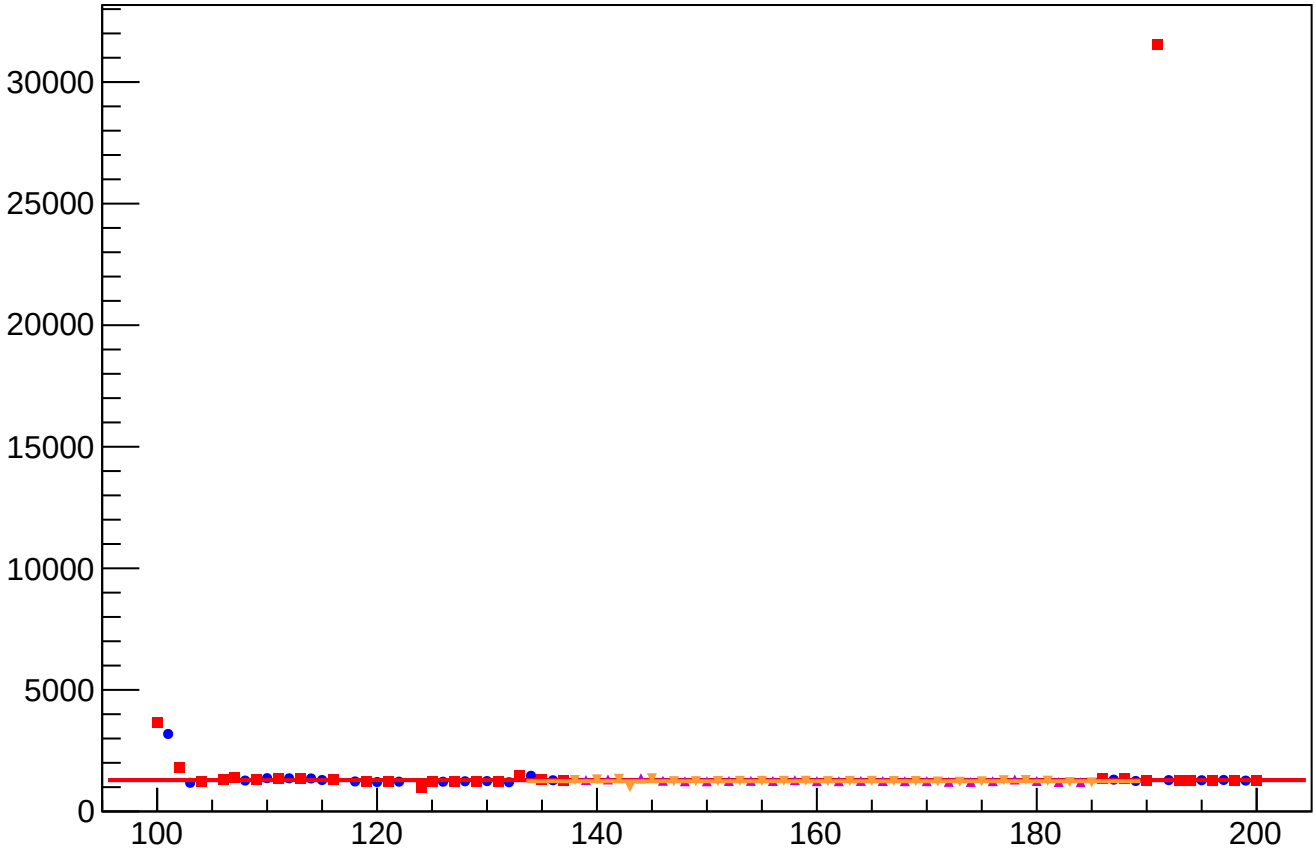
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.684+/-227.621 χ^2/NDF: 49.8/46

All: -185.936+/-160.792 χ^2/NDF: 106.1/97

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

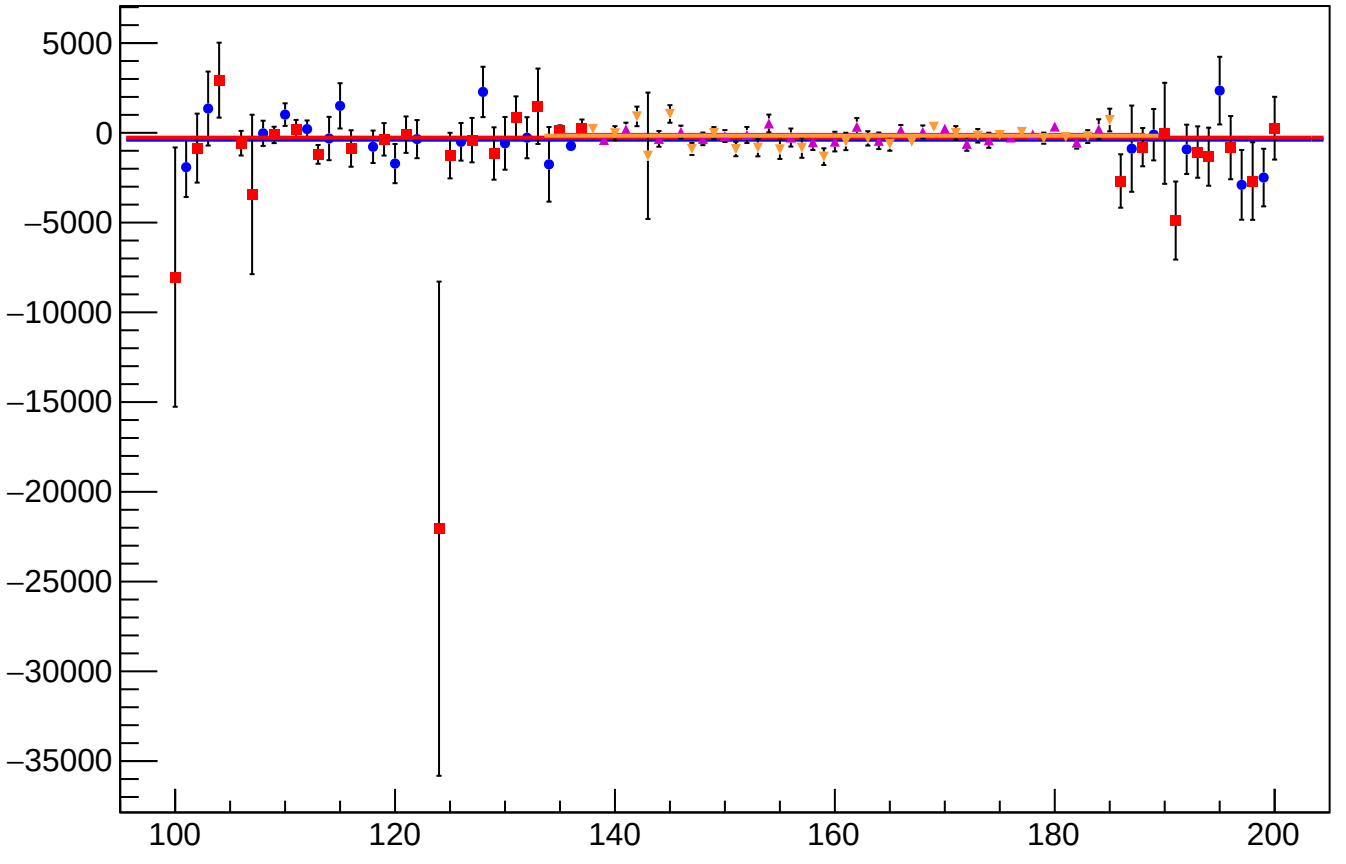
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659071.0/46

All: 1265.667+/-0.114 χ^2/NDF: 1072603.5/97

- sign 1272.769+/-0.161 χ^2/NDF: 409615.3/50



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -268.182+/-161.913 χ^2/NDF: 25.9/27

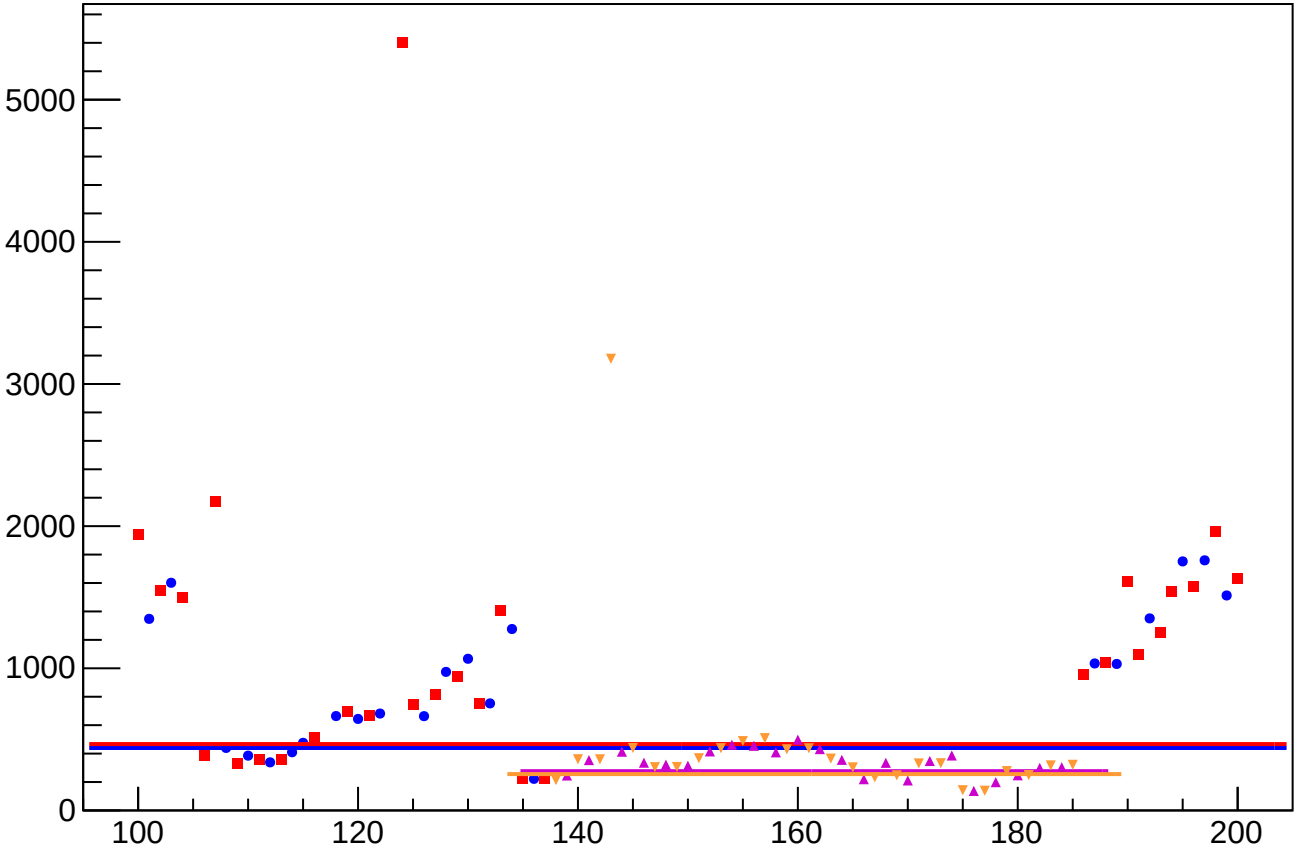
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -190.047+/-59.775 χ^2/NDF: 69.5/46

All: -165.237+/-43.477 χ^2/NDF: 114.7/97

- sign -137.369+/-63.352 χ^2/NDF: 44.8/50

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

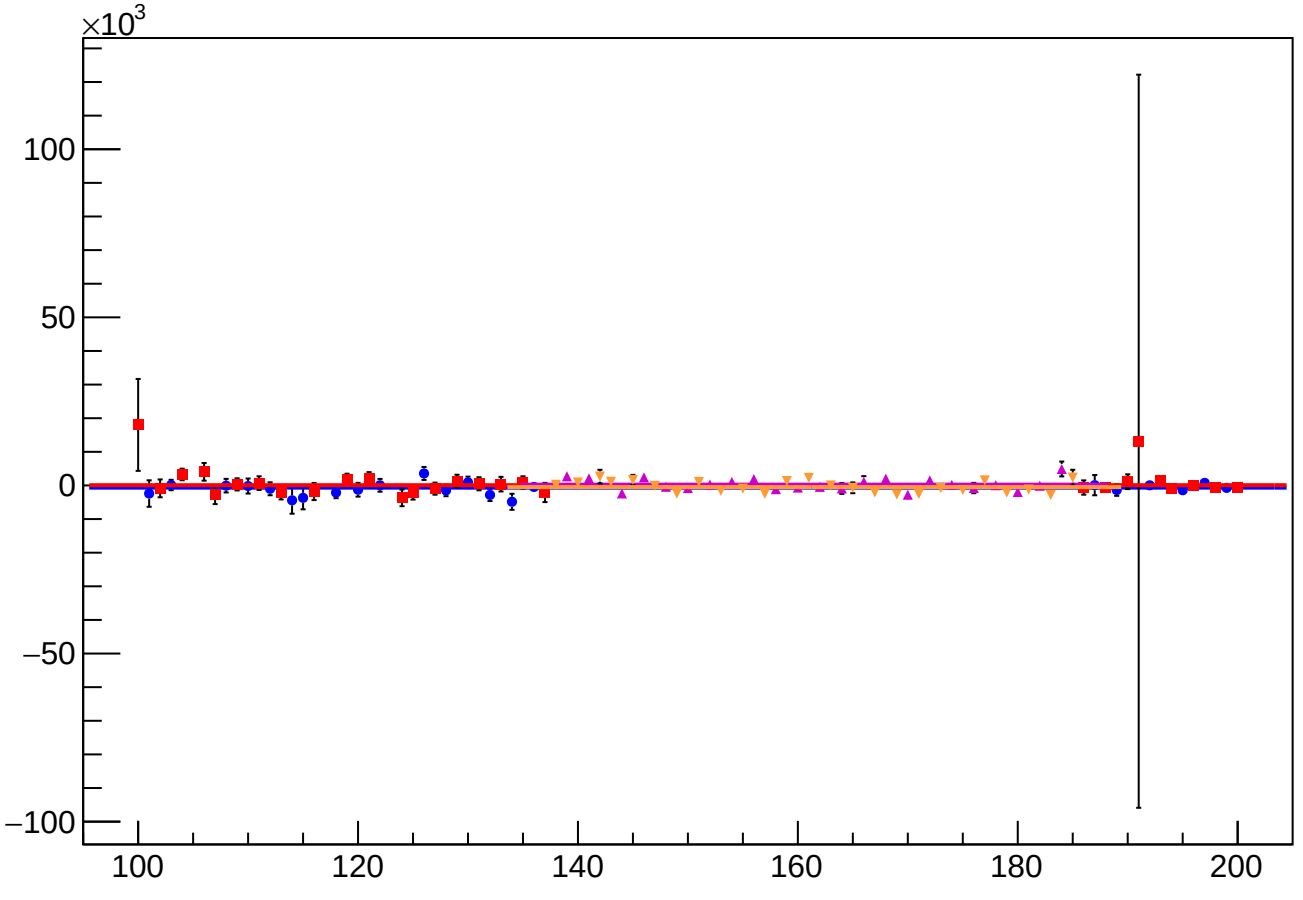
Right Out: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 279.877+/-0.042 χ^2/NDF: 17209863.3/46

All: 291.938+/-0.031 χ^2/NDF: 34214073.6/97

- sign 305.487+/-0.045 χ^2/NDF: 16831306.7/50



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 77.206+/-357.247 χ^2/NDF: 20.4/27

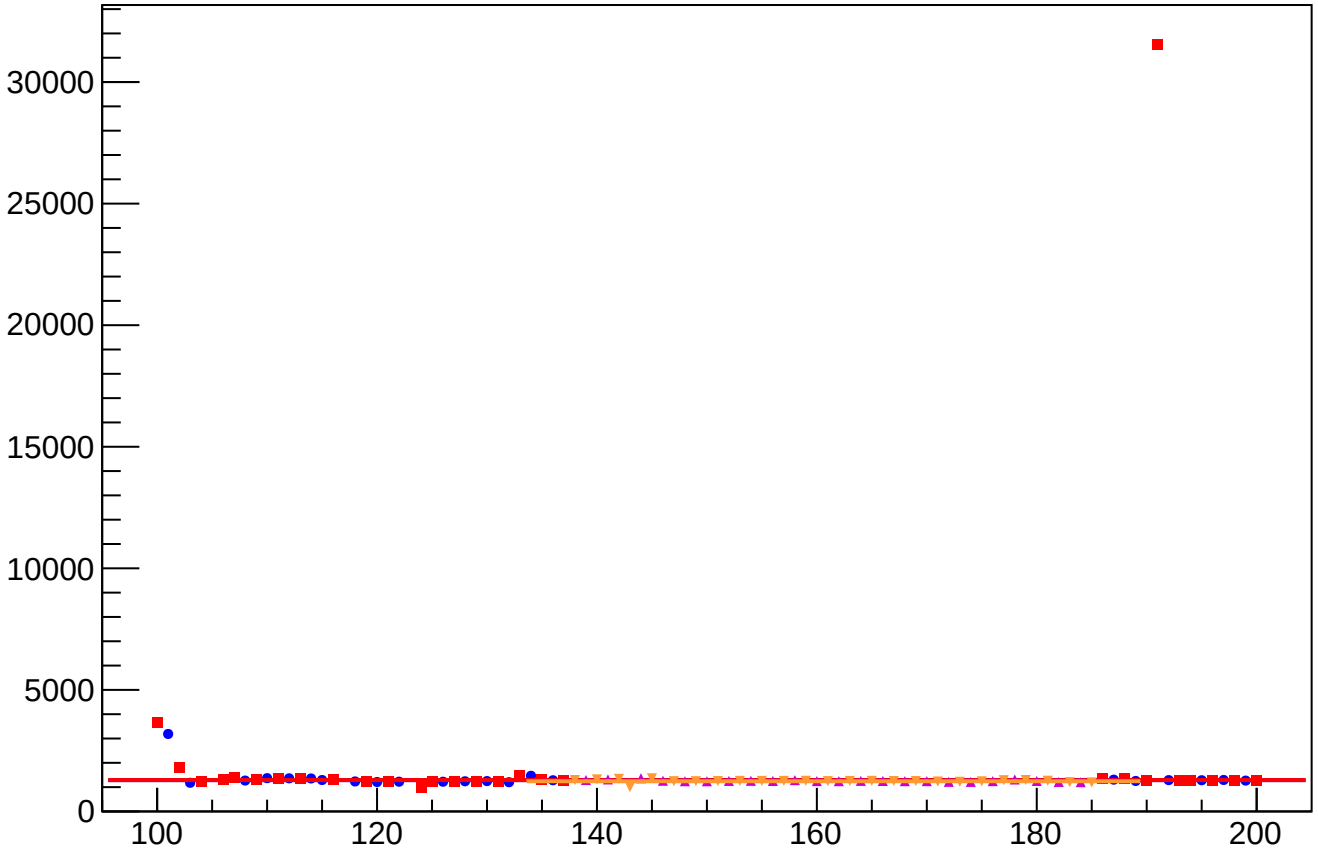
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.685+/-227.621 χ^2/NDF: 49.8/46

All: -185.936+/-160.792 χ^2/NDF: 106.1/97

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

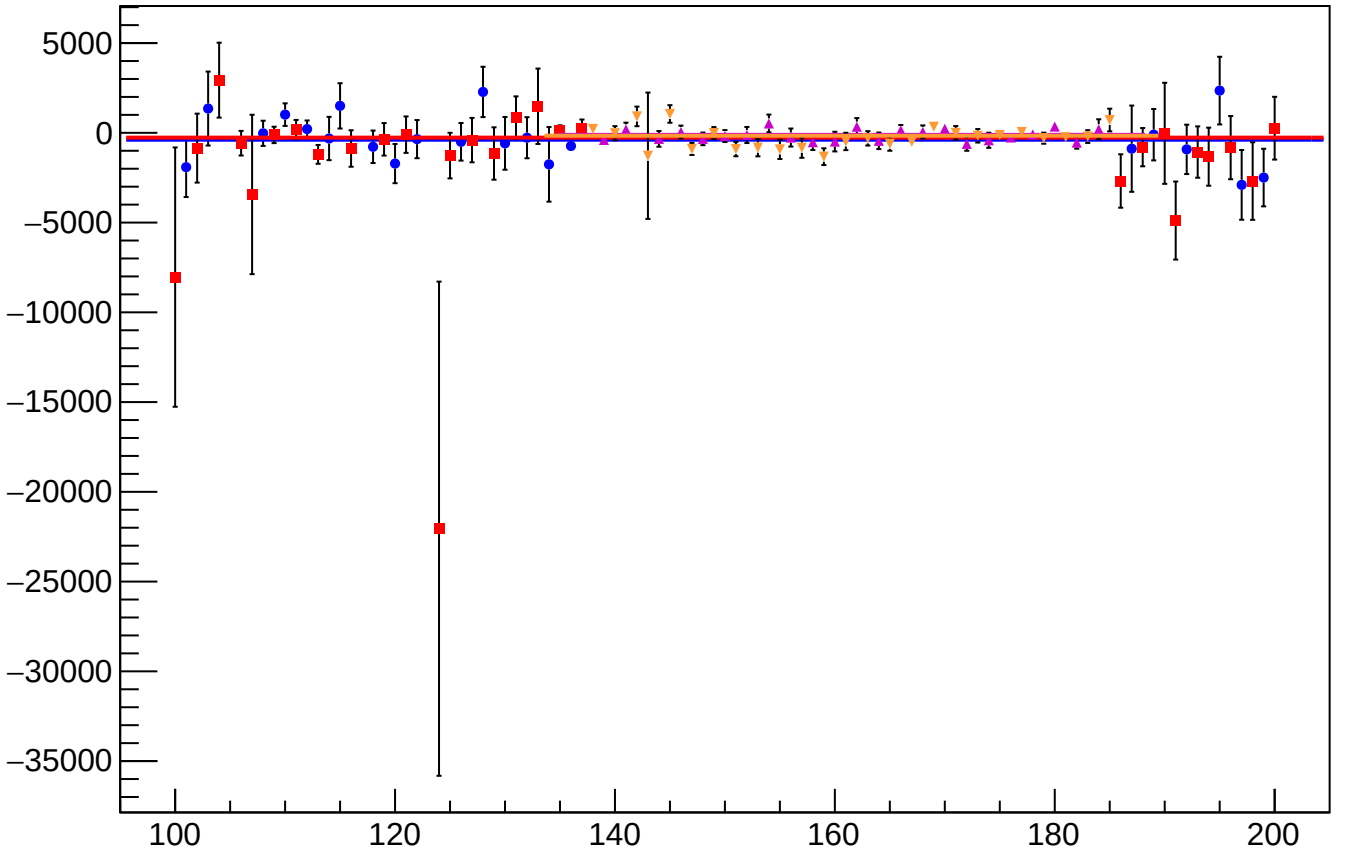
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659070.0/46

All: 1265.667+/-0.114 χ^2/NDF: 1072602.9/97

- sign 1272.769+/-0.161 χ^2/NDF: 409615.6/50



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

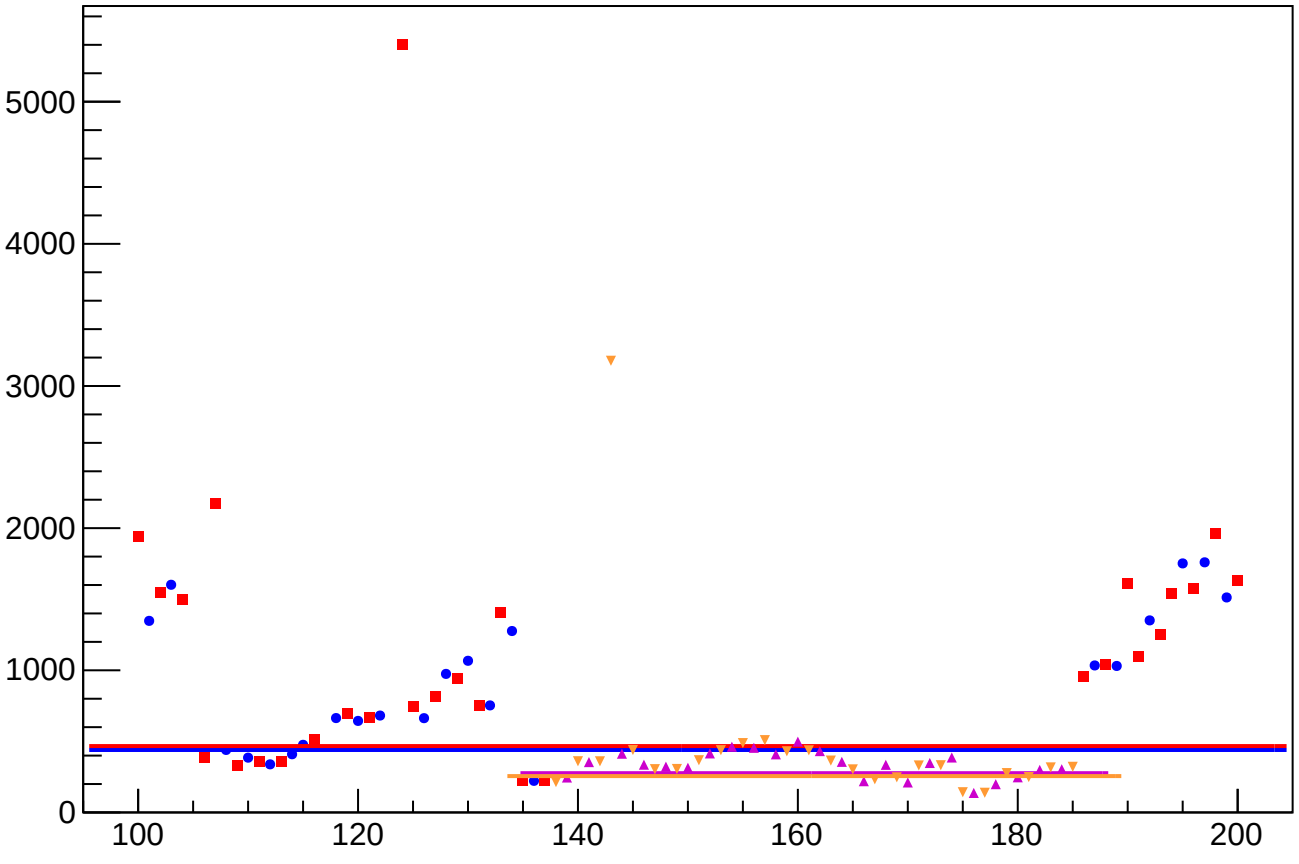
Right Out: -268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -190.050+/-59.776 χ^2/NDF: 69.5/46

All: -165.238+/-43.477 χ^2/NDF: 114.7/97

\- sign -137.368+/-63.352 χ^2/NDF: 44.8/50



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

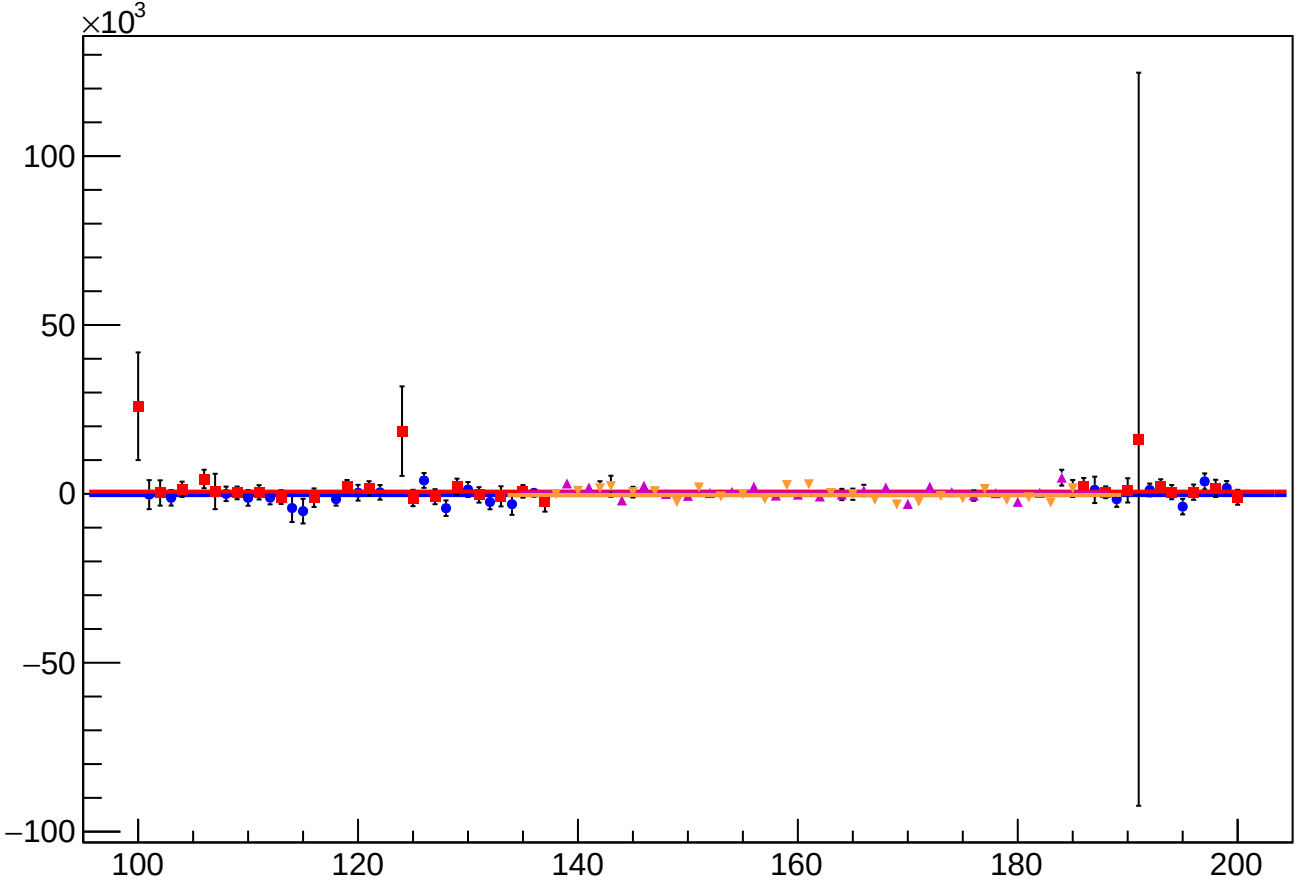
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 279.879+/-0.042 χ^2/NDF: 17209666.6/46

All: 291.940+/-0.031 χ^2/NDF: 34213750.9/97

- sign 305.488+/-0.045 χ^2/NDF: 16831193.2/50

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 668.451+/-461.866 χ^2/NDF: 13.1/27

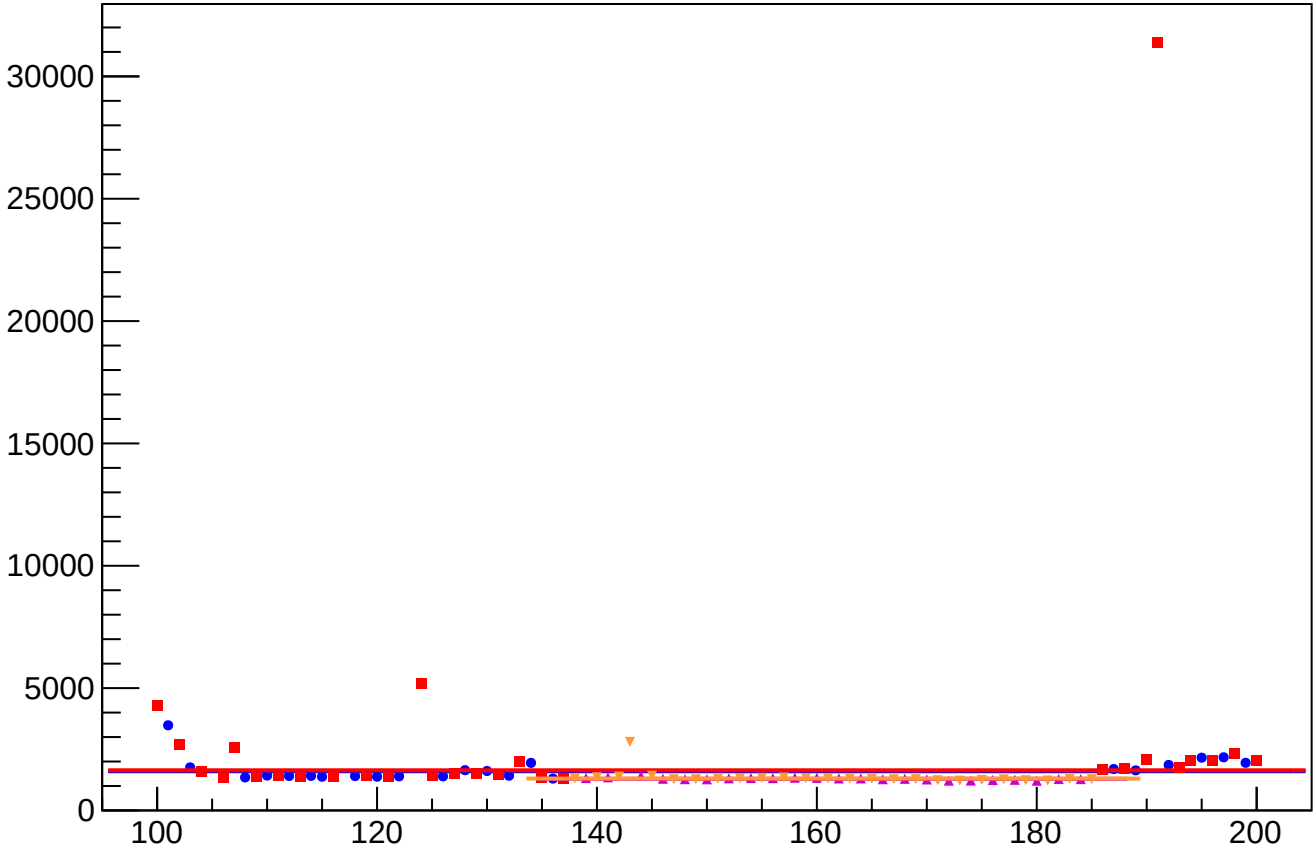
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -332.787+/-253.828 χ^2/NDF: 51.5/46

All: 60.244+/-179.085 χ^2/NDF: 99.3/97

- sign 449.807+/-252.705 χ^2/NDF: 43.1/50

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

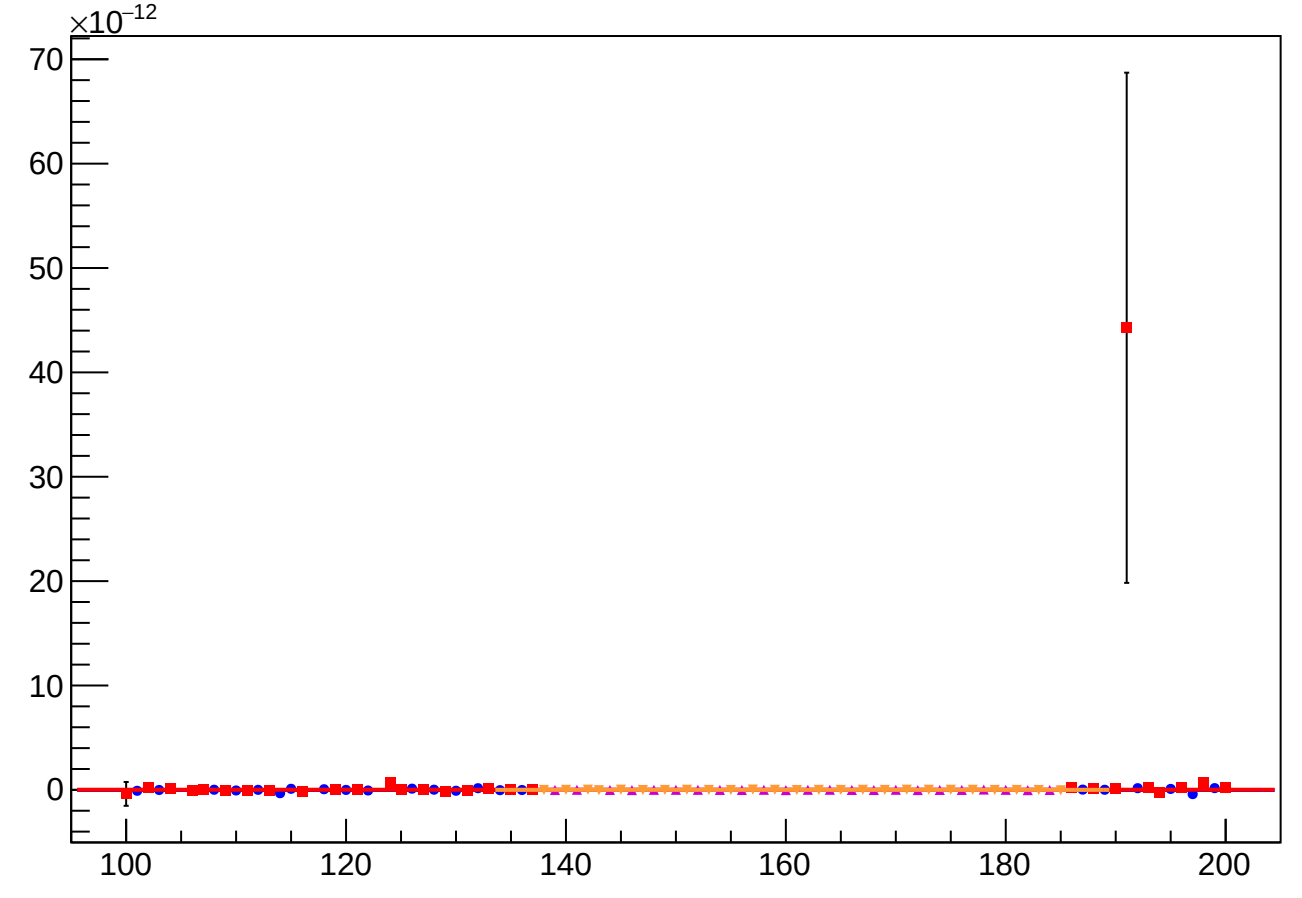
Right Out: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1386.625+/-0.179 χ^2/NDF: 2068839.6/46

All: 1391.754+/-0.127 χ^2/NDF: 4220642.5/97

- sign 1396.837+/-0.179 χ^2/NDF: 2150176.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

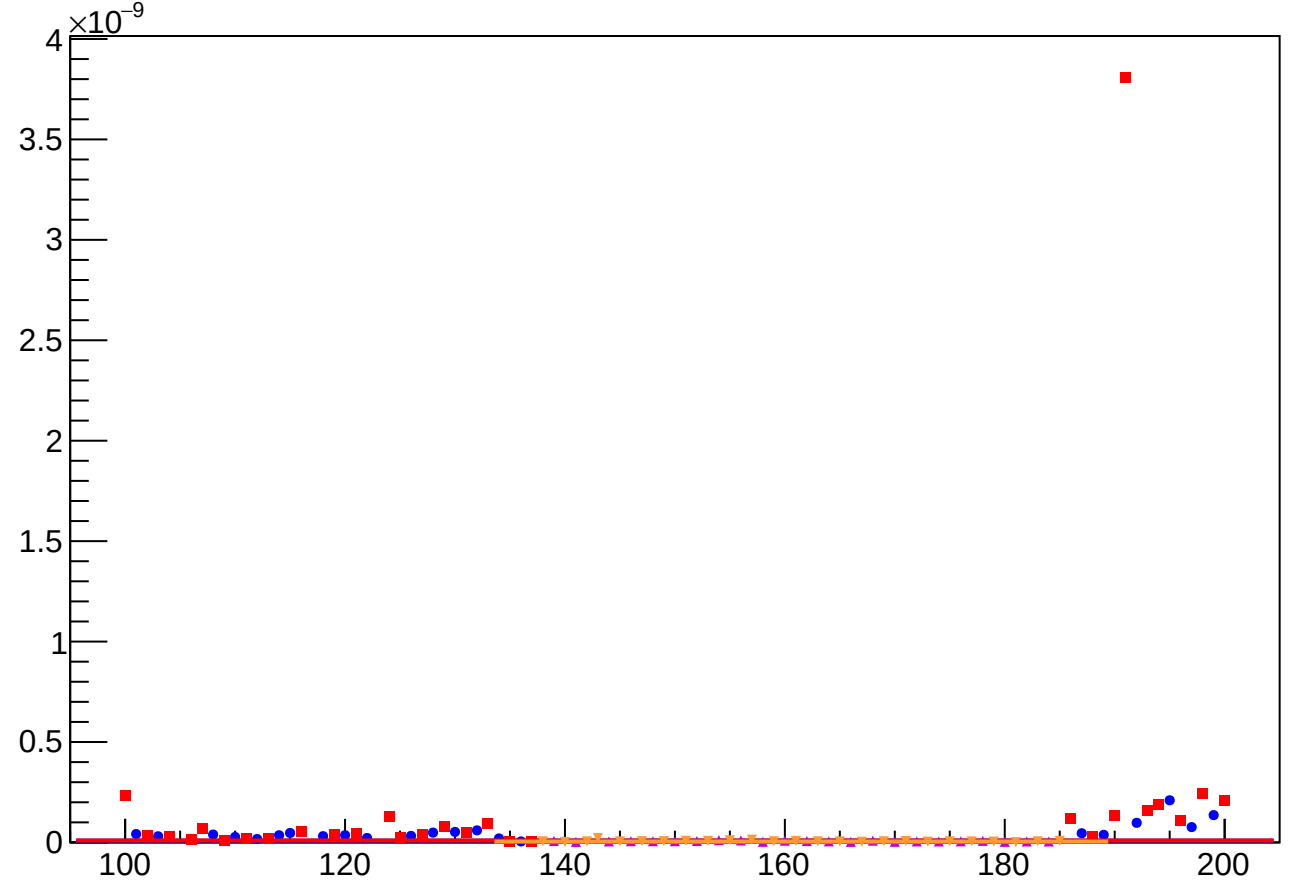
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/27

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/46

All: 0.000+/-0.000 χ^2/NDF: 110.9/97

- sign 0.000+/-0.000 χ^2/NDF: 67.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

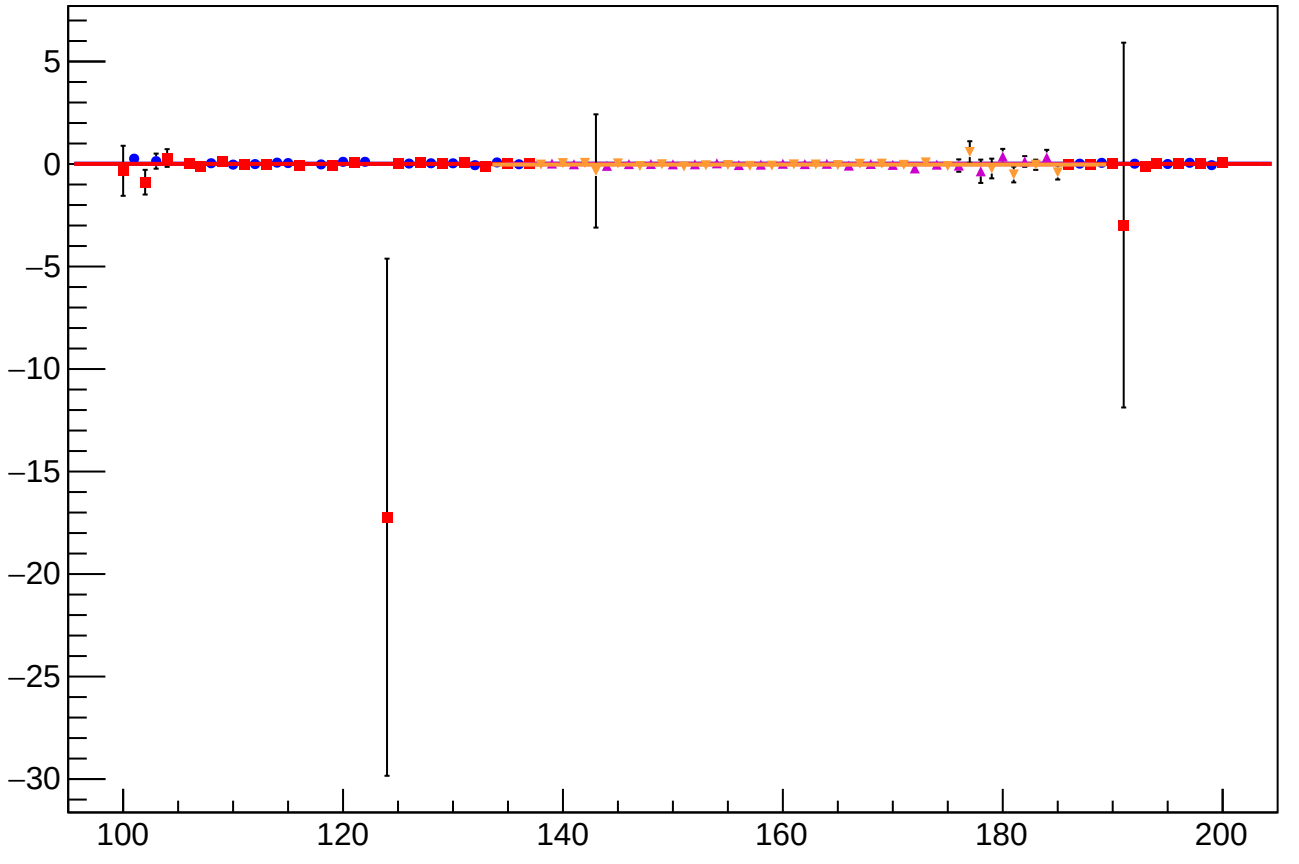
Right Out: 0.000+/-0.000 χ^2/NDF: 7795004.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8864602.8/46

All: 0.000+/-0.000 χ^2/NDF: 19300491.7/97

- sign 0.000+/-0.000 χ^2/NDF: 10410803.4/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

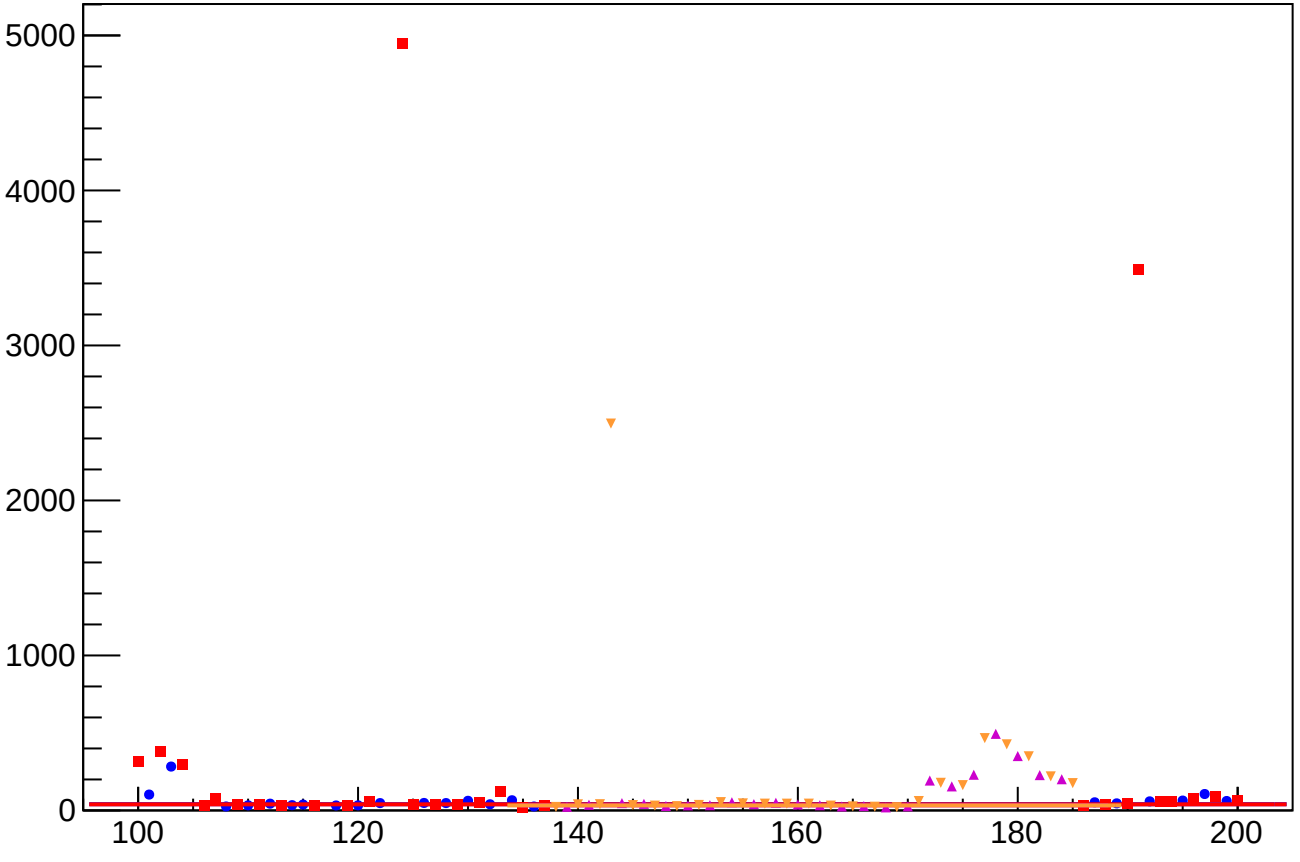
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

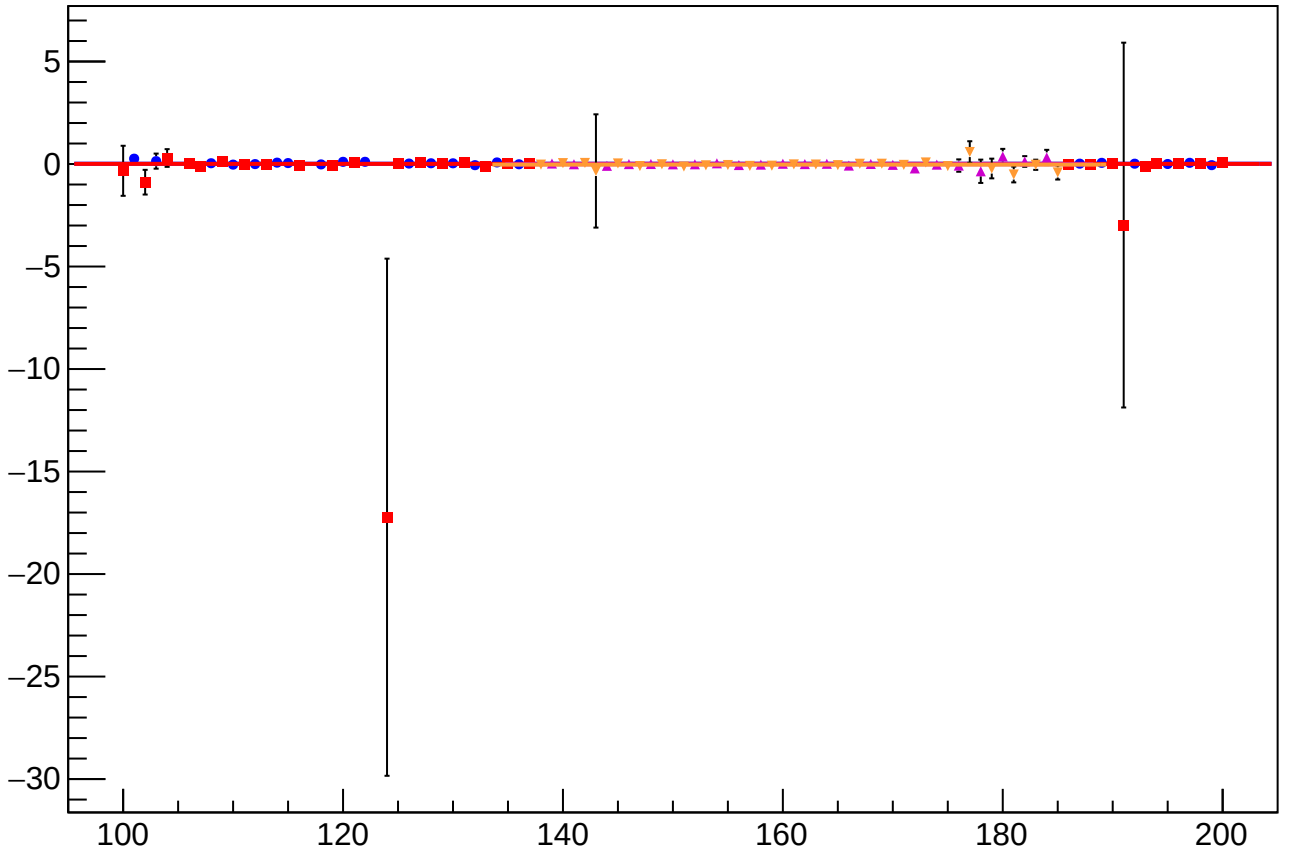
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

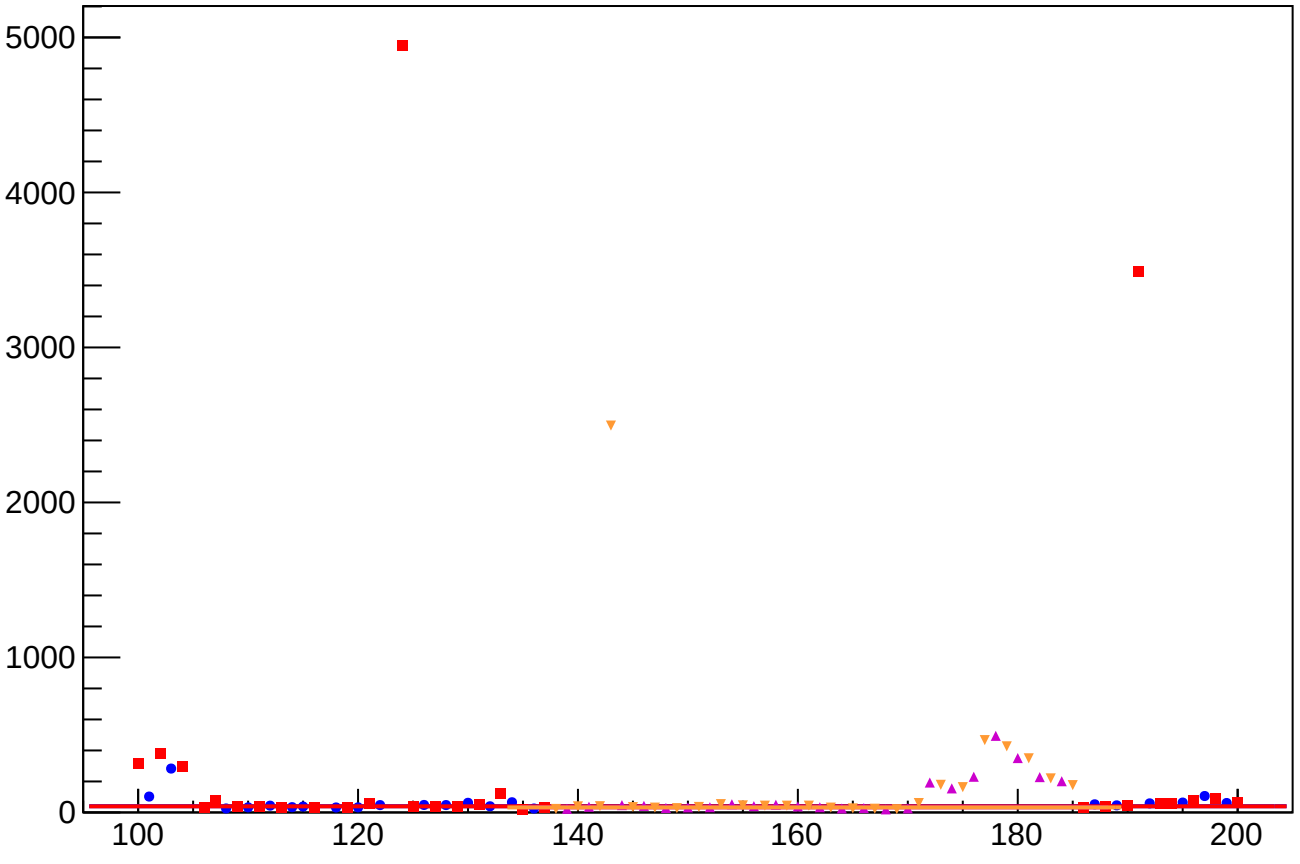
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

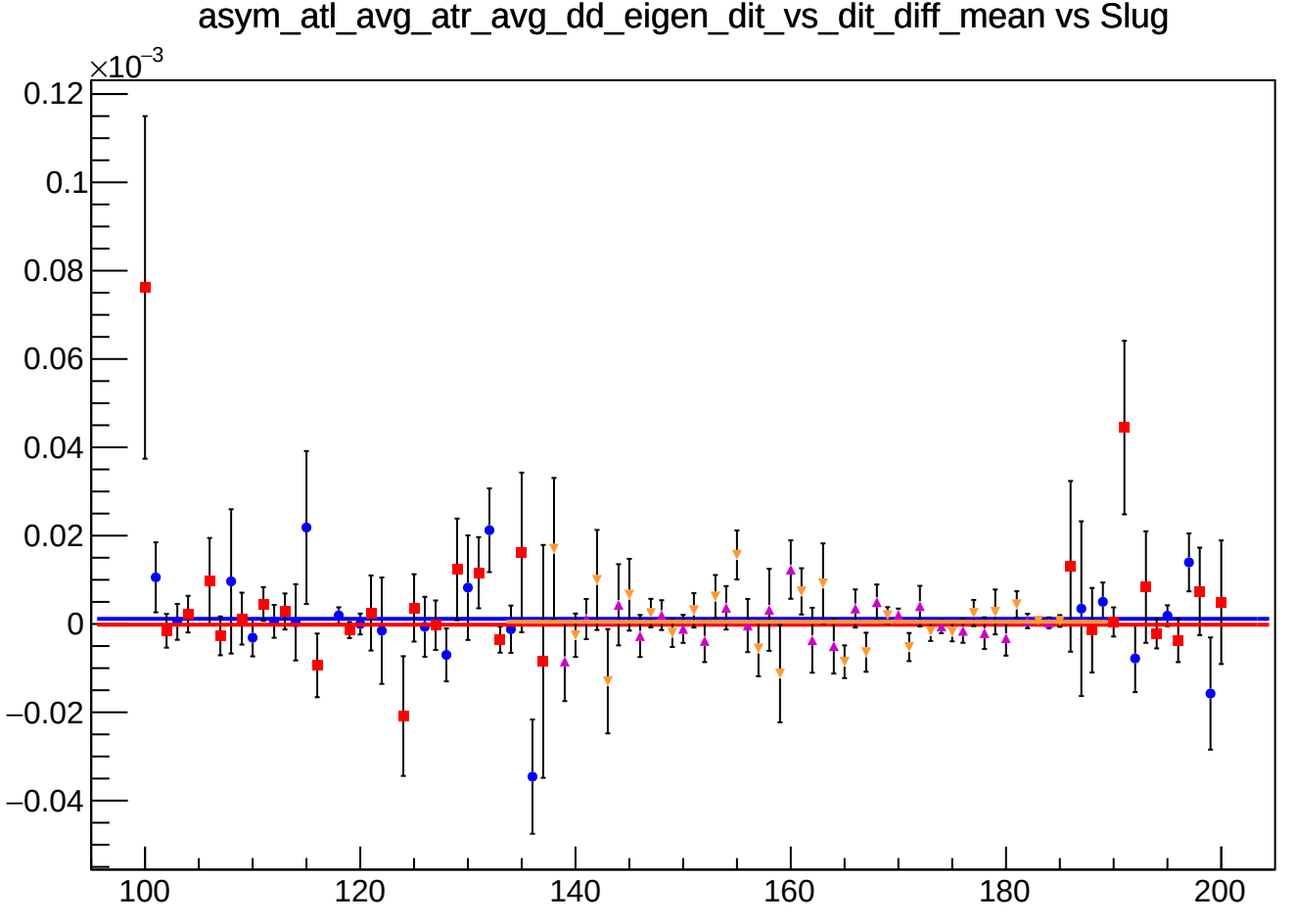
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

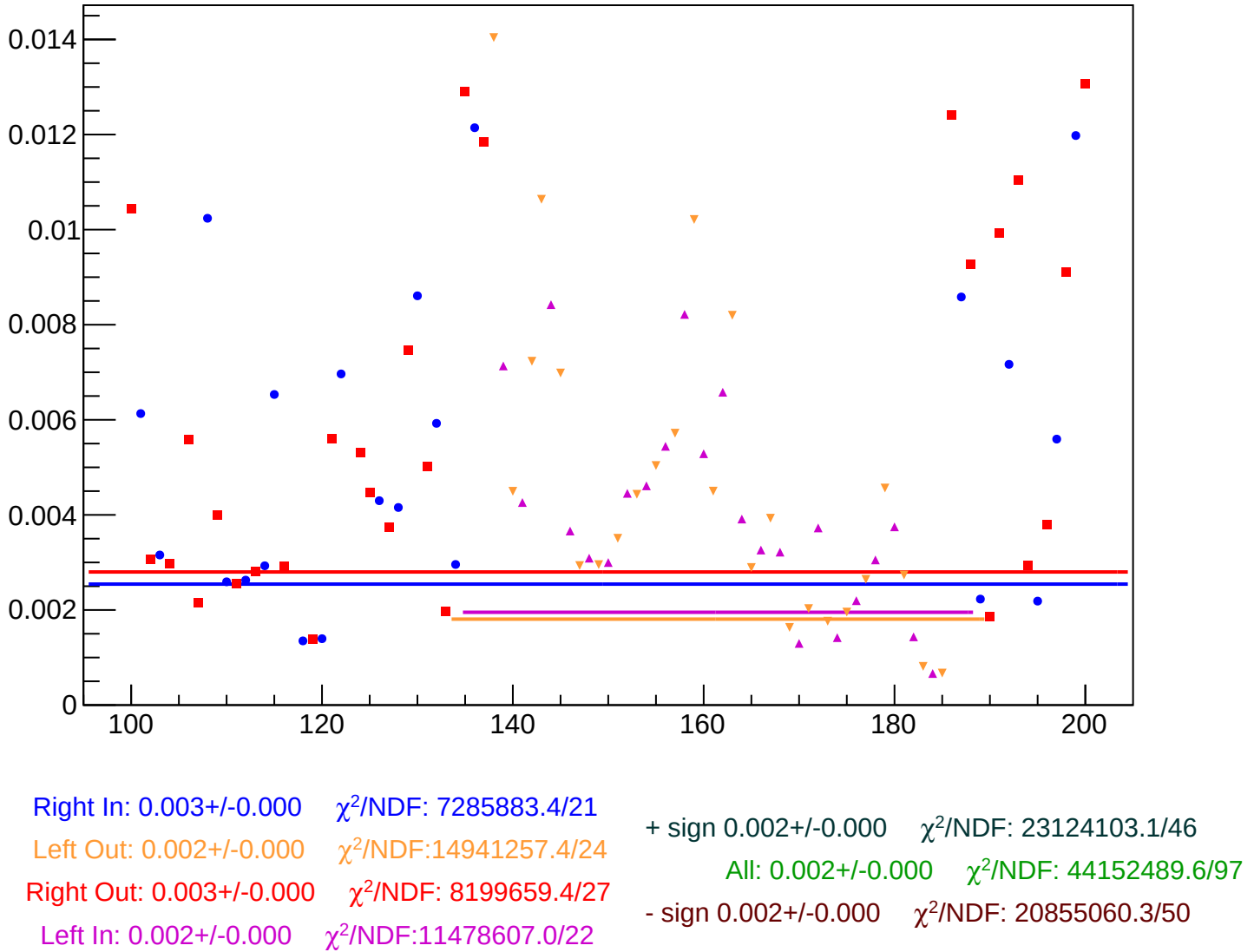
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/27

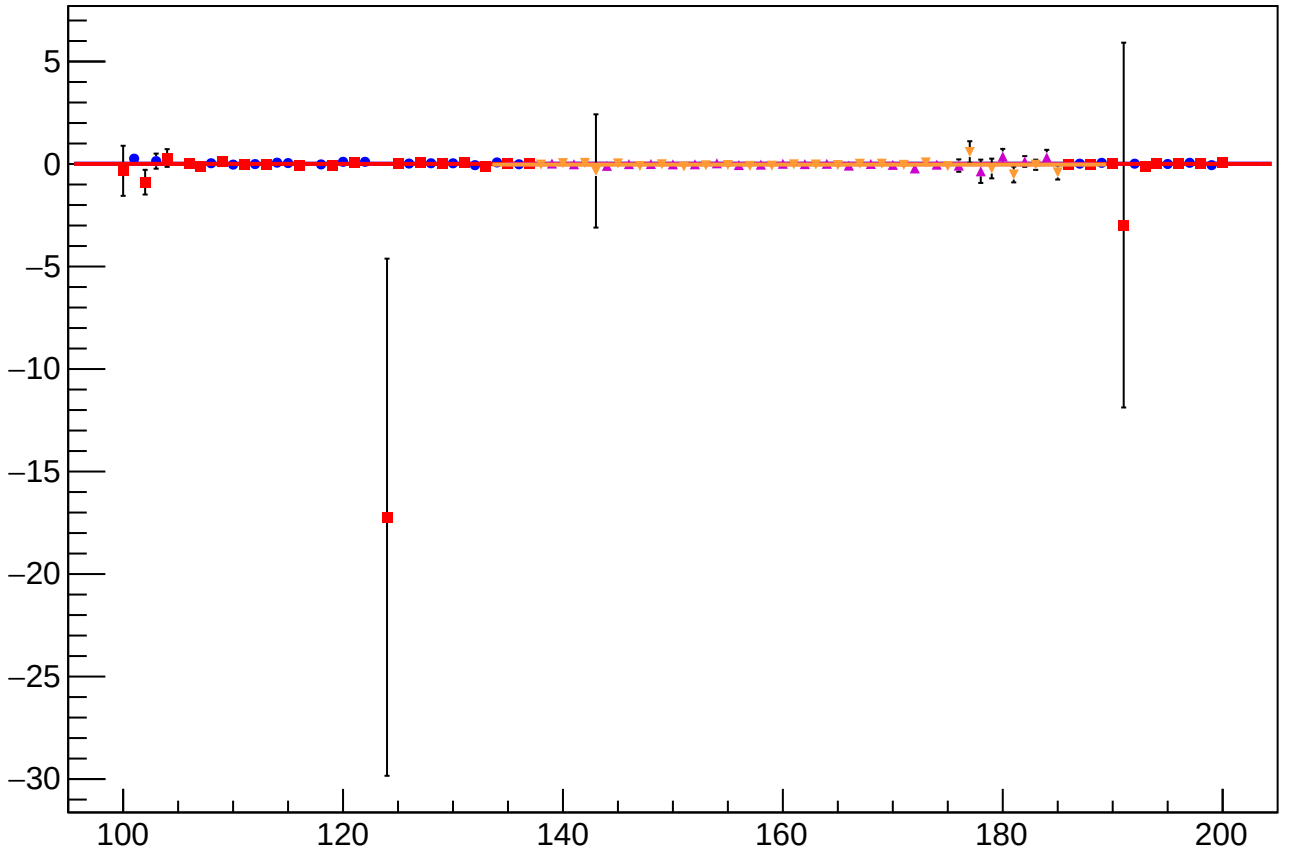
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.3/97

- sign 0.000+/-0.000 χ^2/NDF: 39.8/50


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 7285883.4/21
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 8199659.4/27
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 23124103.1/46
All: 0.002+/-0.000 χ²/NDF: 44152489.6/97
- sign 0.002+/-0.000 χ²/NDF: 20855060.3/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

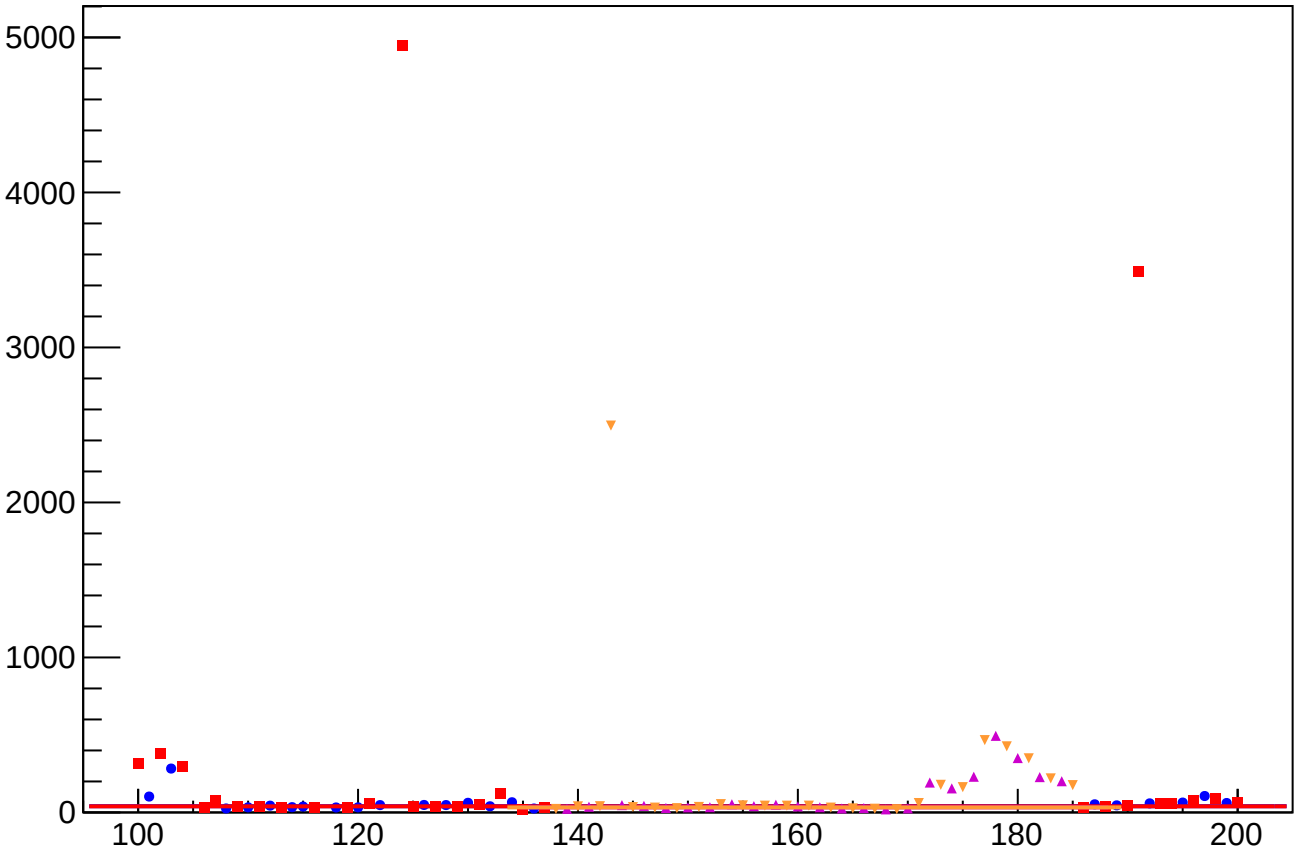
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

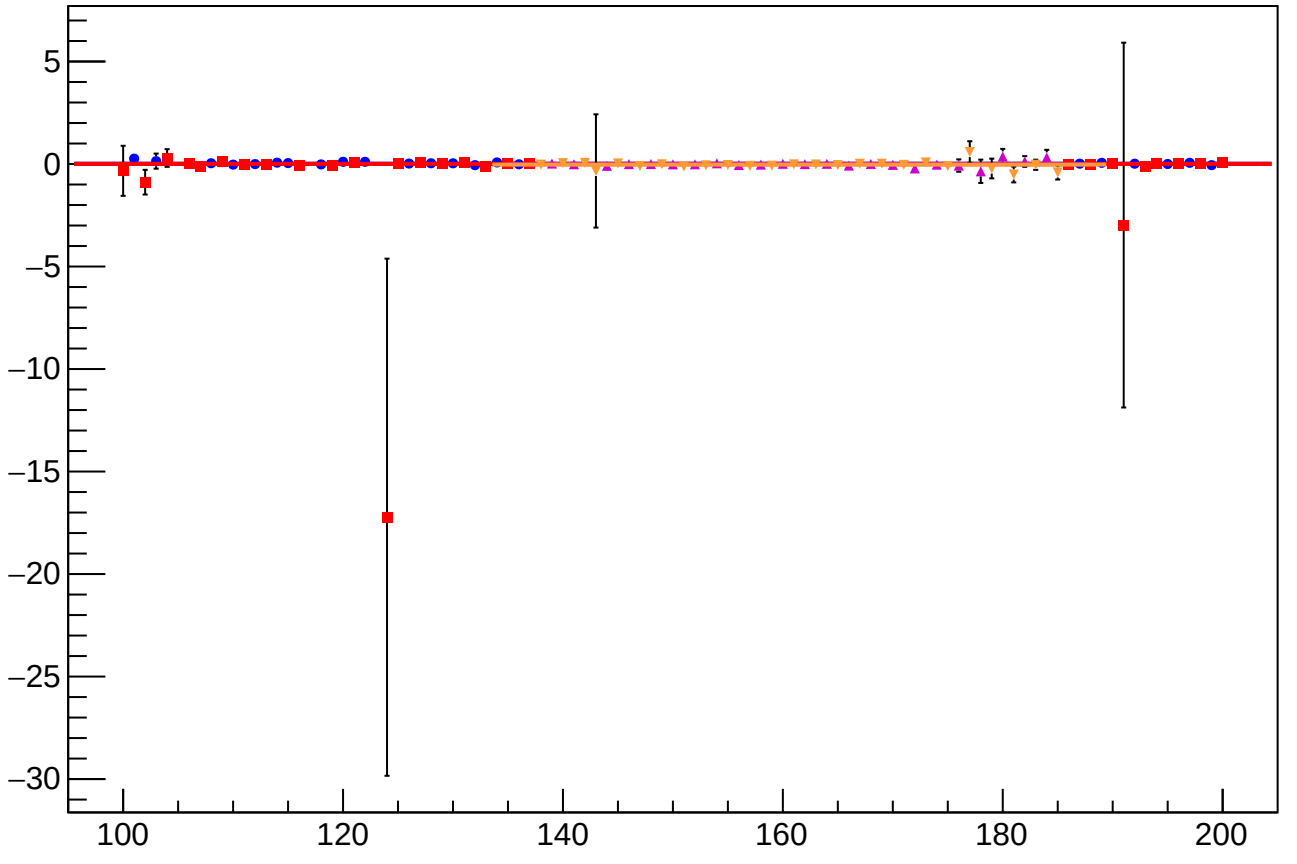
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

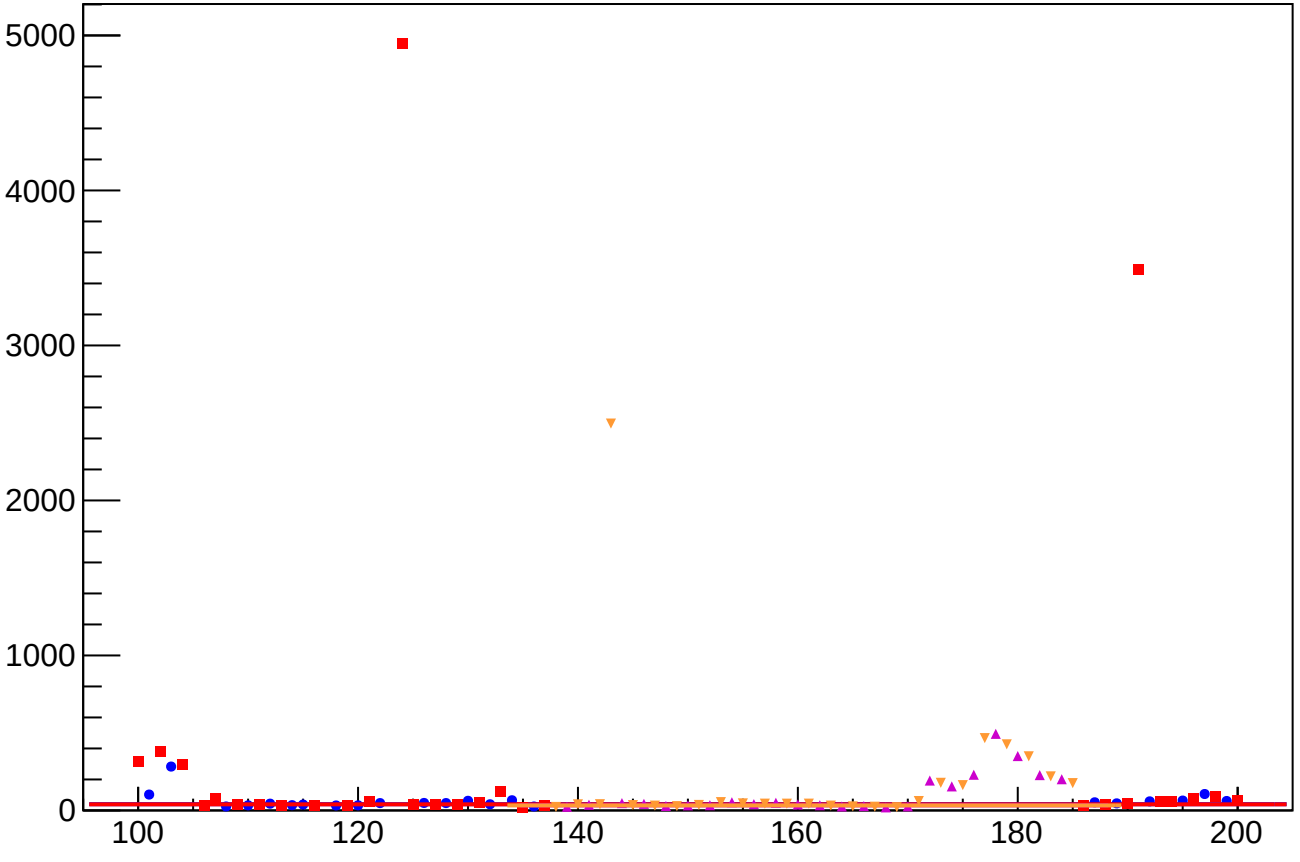
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

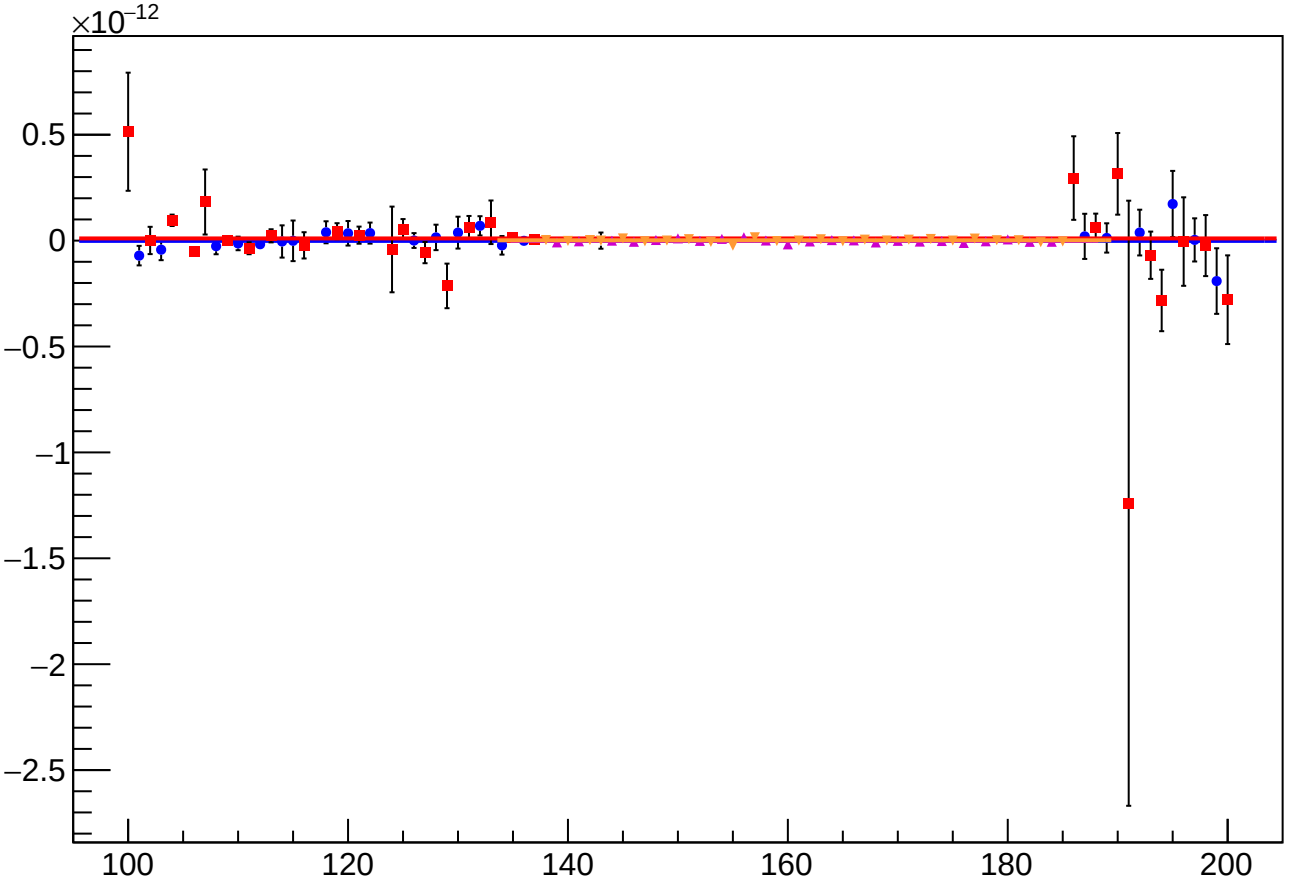
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

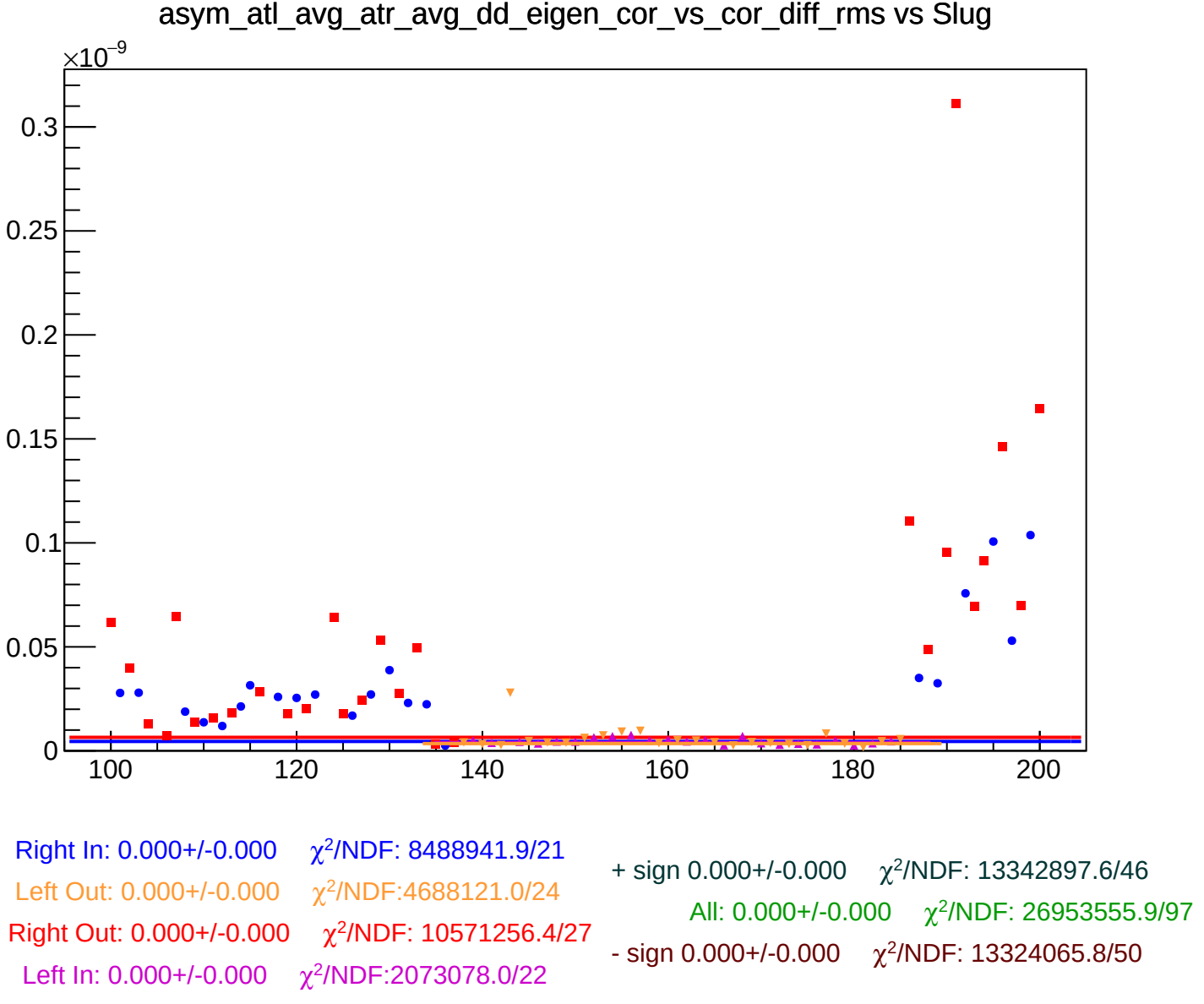
Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/27

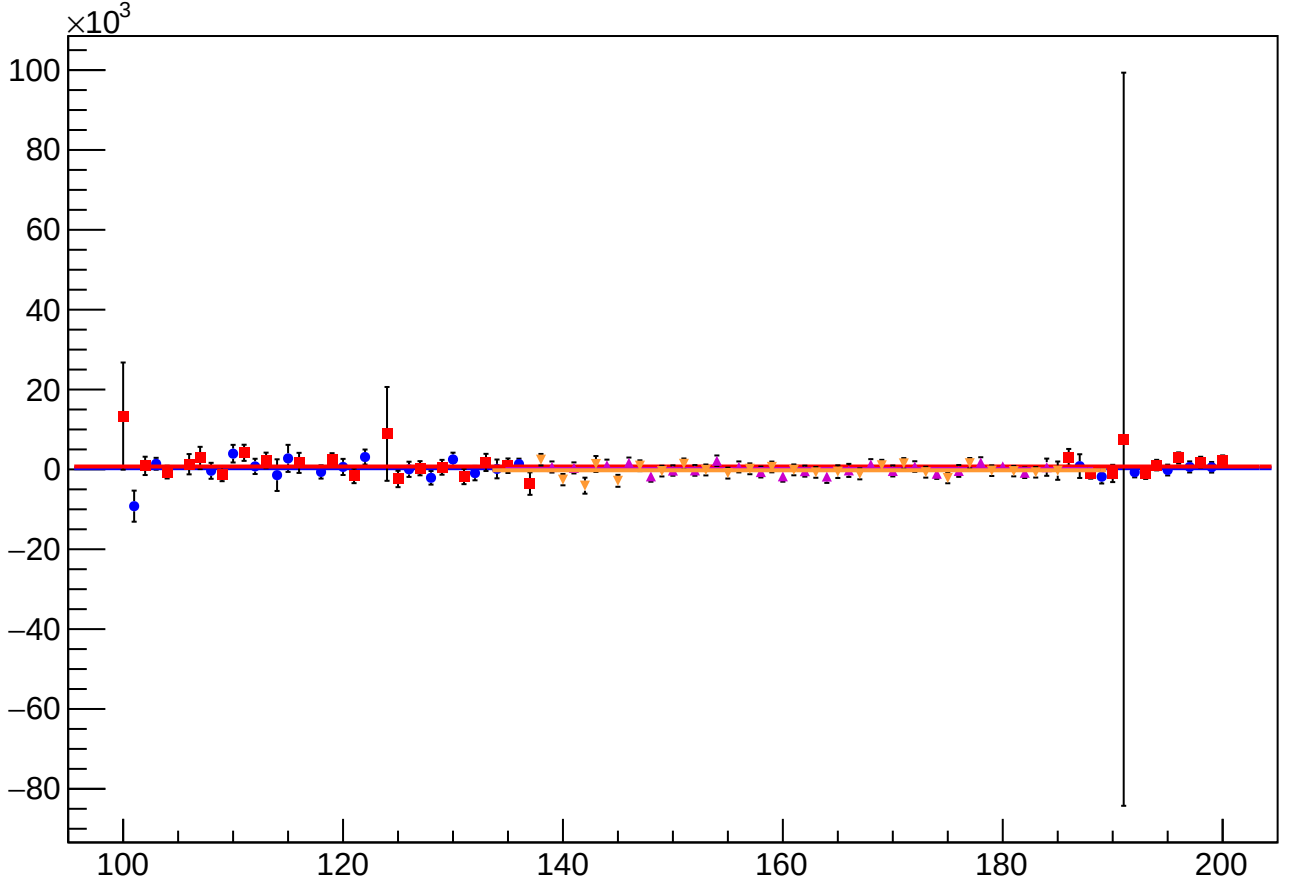
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/46

All: 0.000+/-0.000 χ^2/NDF: 119.7/97

- sign -0.000+/-0.000 χ^2/NDF: 88.2/50


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8488941.9/21
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 10571256.4/27
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 13342897.6/46
All: 0.000+/-0.000 χ²/NDF: 26953555.9/97
- sign 0.000+/-0.000 χ²/NDF: 13324065.8/50



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 721.763+/-354.369 χ^2/NDF: 26.0/27

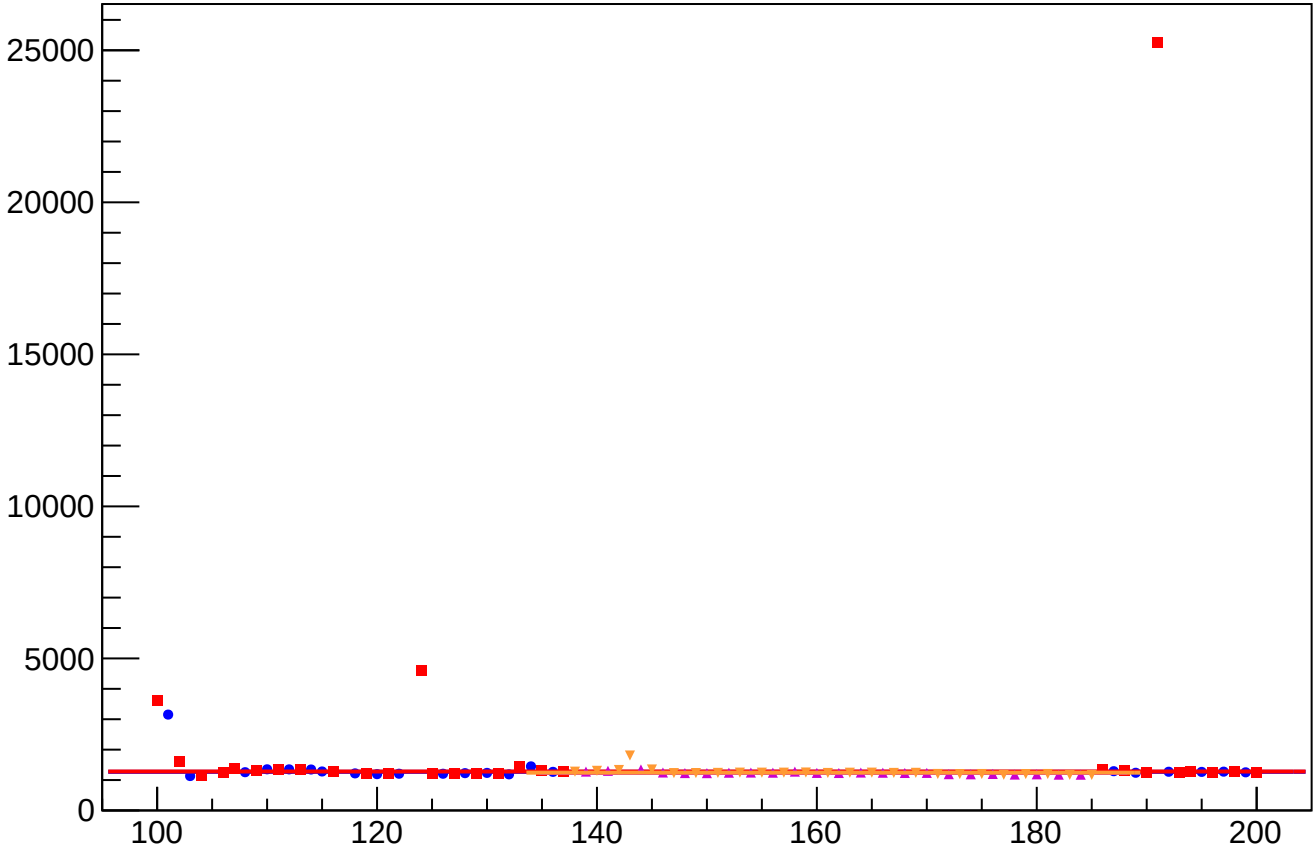
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -34.165+/-226.653 χ^2/NDF: 45.0/46

All: 156.961+/-159.177 χ^2/NDF: 88.9/97

- sign 342.971+/-223.599 χ^2/NDF: 42.6/50

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

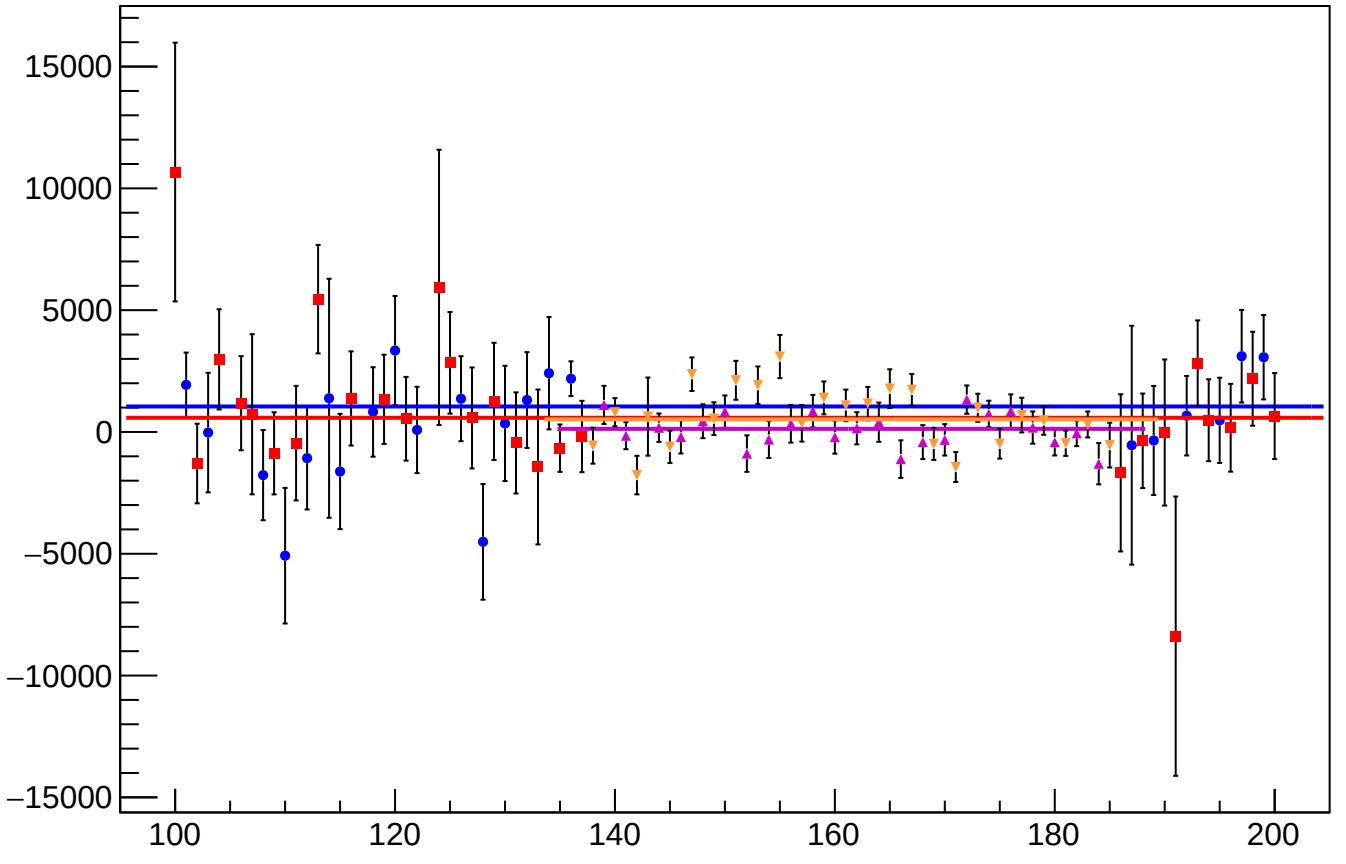
Right Out: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730274.6/46

All: 1252.563+/-0.113 χ^2/NDF: 1260131.0/97

- sign 1252.601+/-0.158 χ^2/NDF: 529856.3/50



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 581.728+/-371.456 χ^2/NDF: 22.8/27

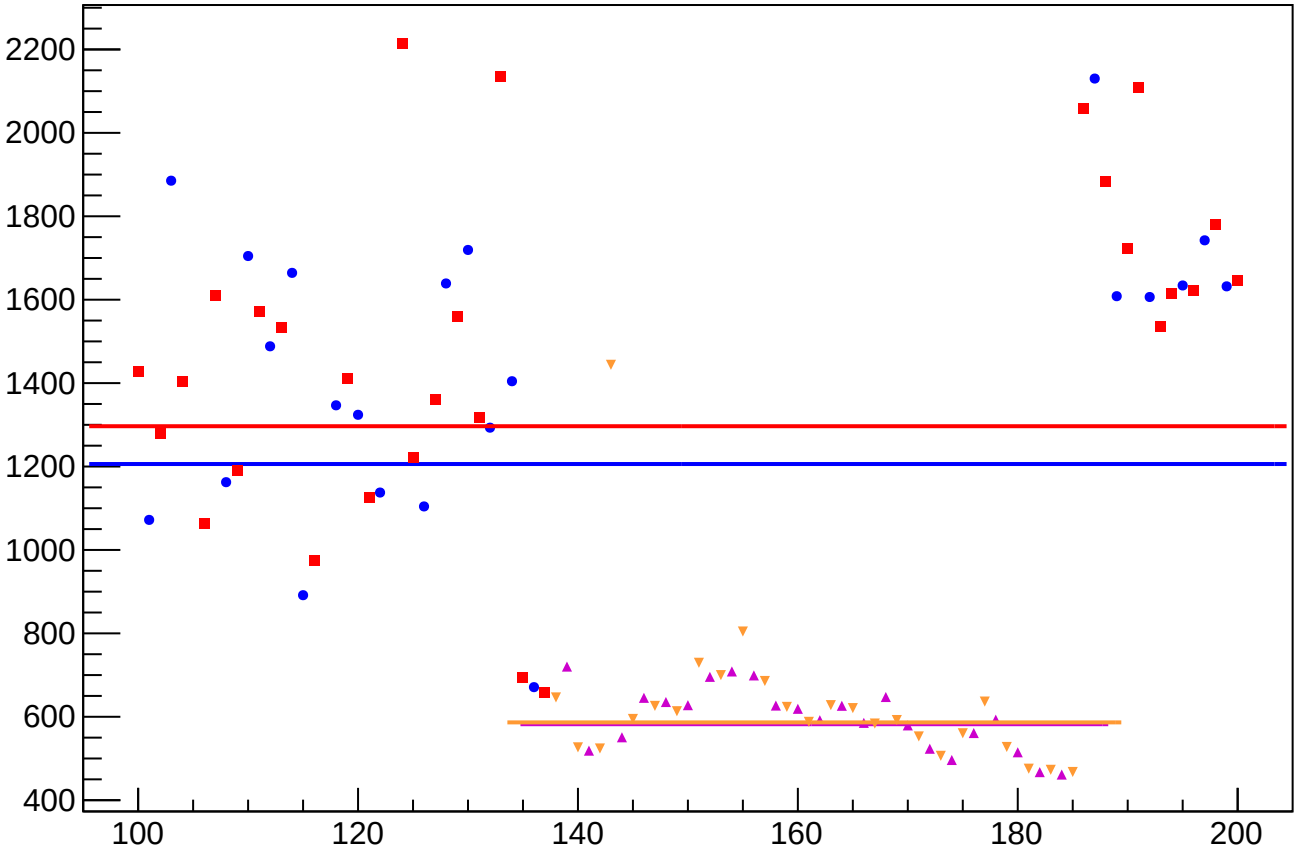
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 577.759+/-127.685 χ^2/NDF: 91.9/46

All: 381.165+/-90.663 χ^2/NDF: 142.4/97

\- sign 181.256+/-128.756 χ^2/NDF: 45.6/50

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

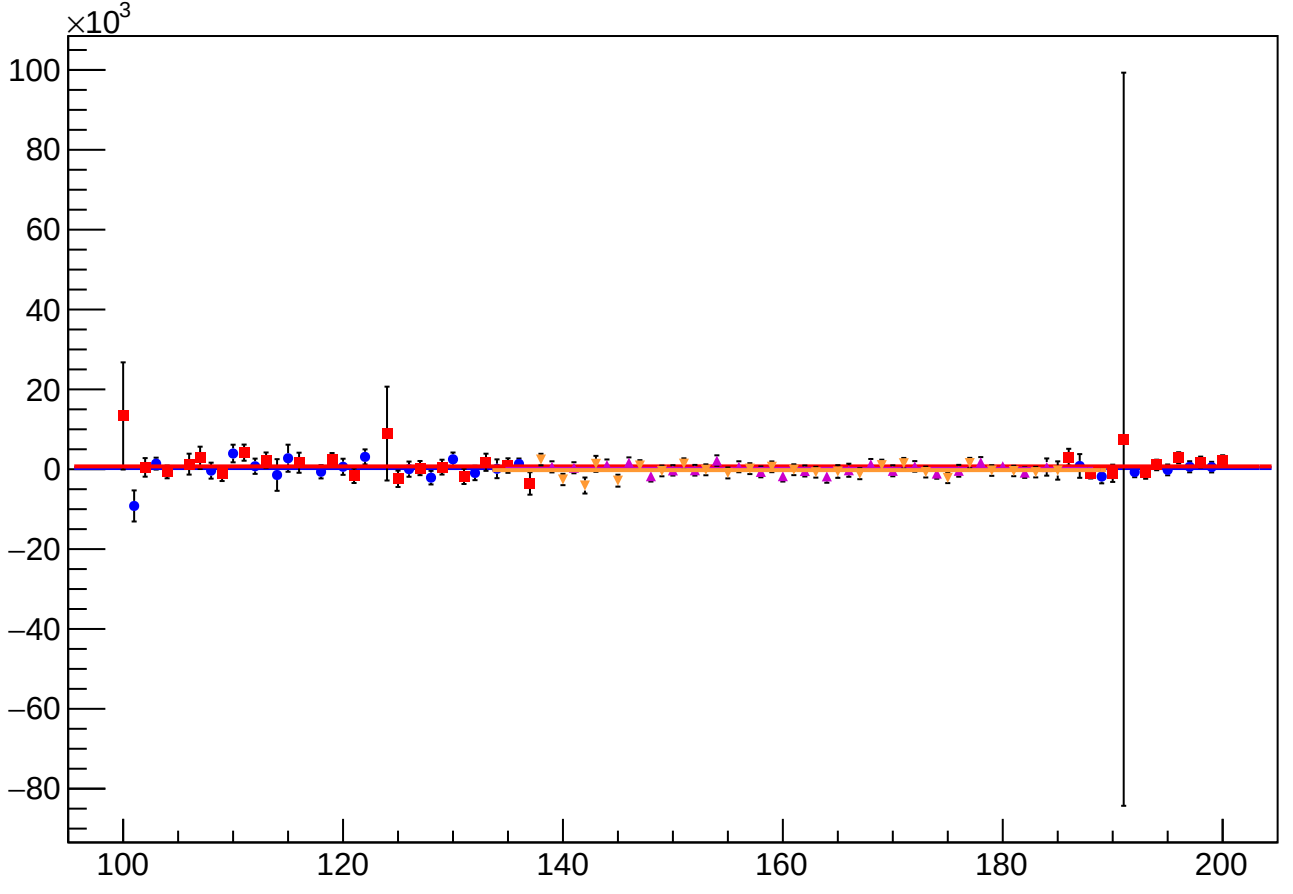
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 657.947+/-0.090 χ^2/NDF: 8318874.5/46

All: 662.948+/-0.064 χ^2/NDF: 17711363.9/97

- sign 668.034+/-0.091 χ^2/NDF: 9386300.9/50

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 711.006+/-354.696 χ^2/NDF: 26.0/27

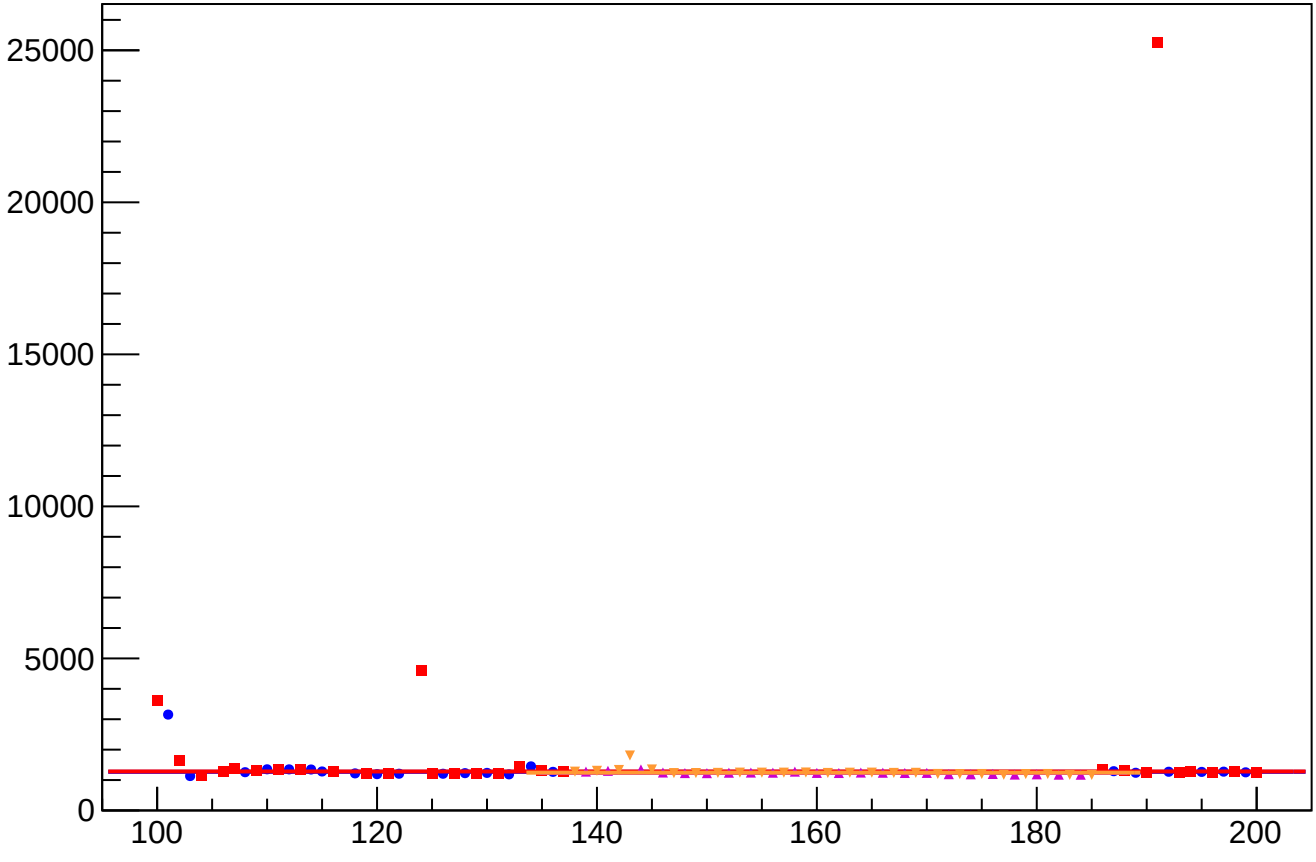
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 154.632+/-159.207 χ^2/NDF: 88.8/97

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

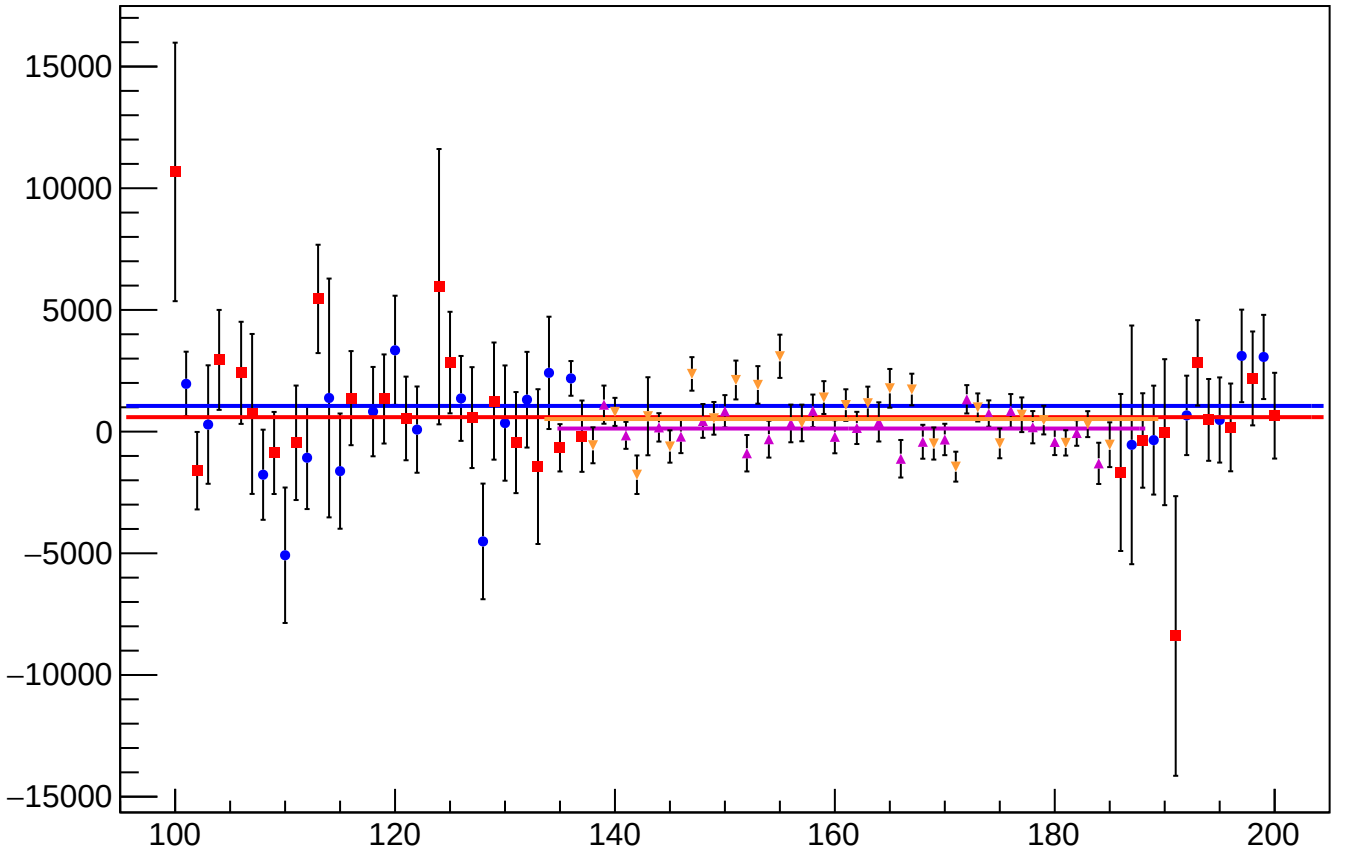
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

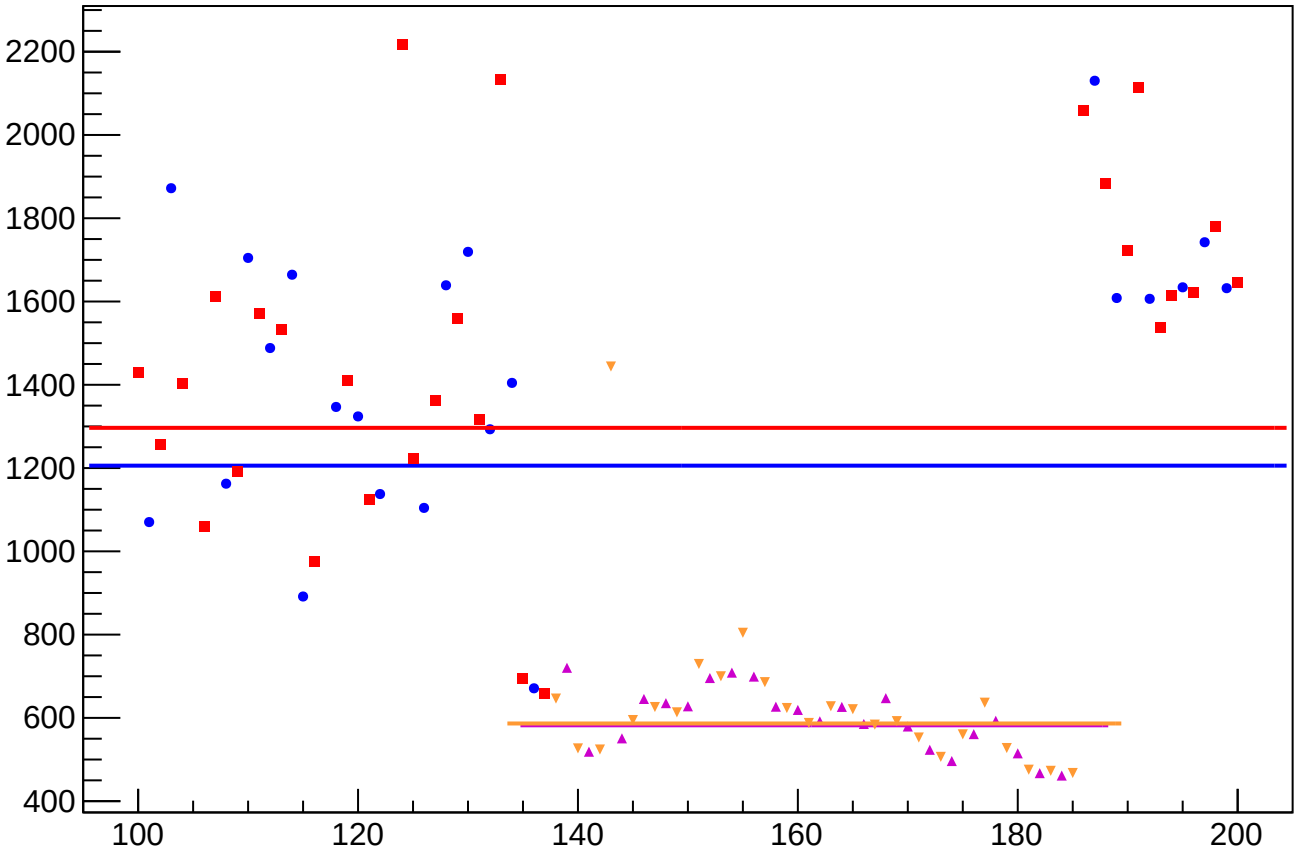
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 382.457+/-90.669 χ^2/NDF: 143.6/97

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

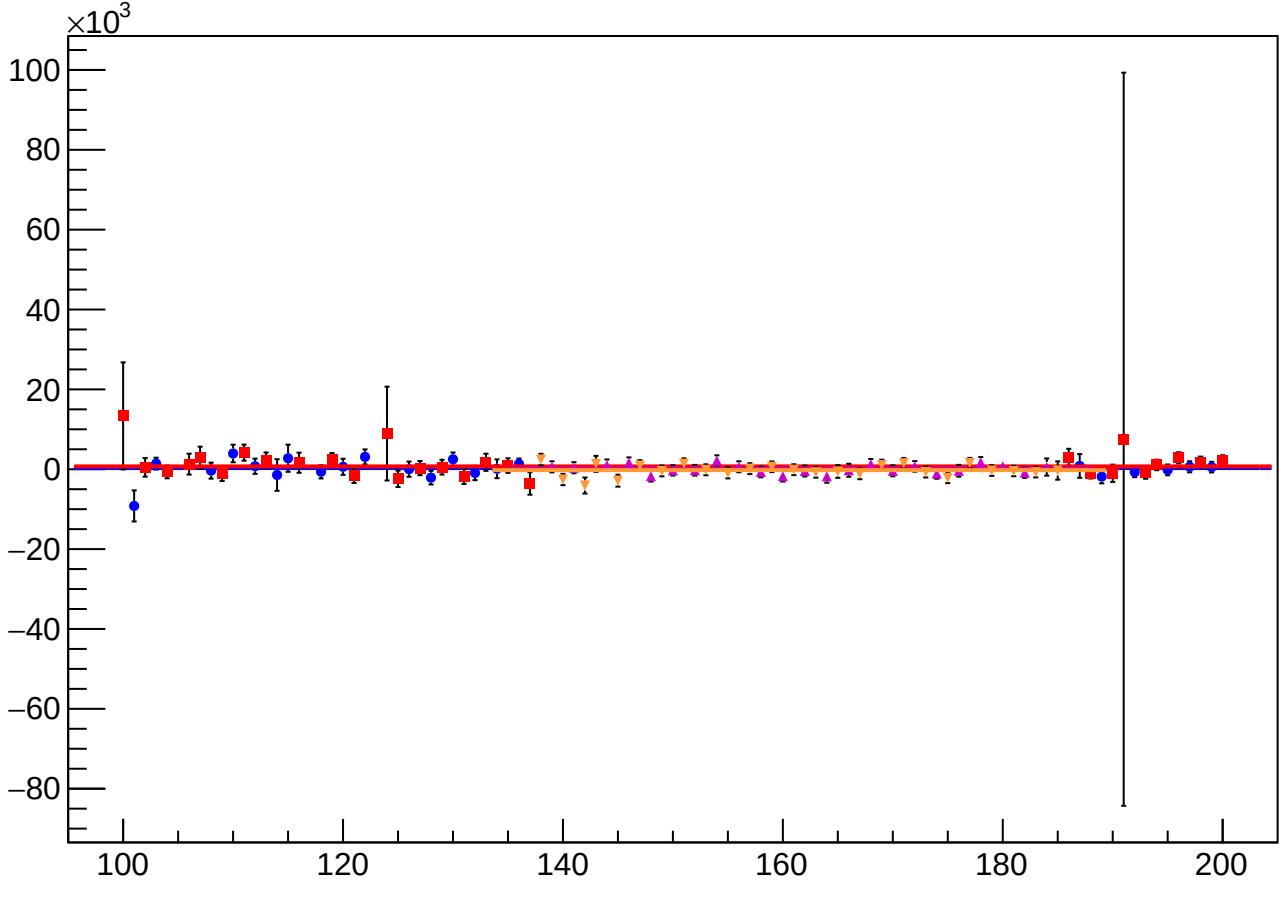
Right Out: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 711.006+/-354.696 χ^2/NDF: 26.0/27

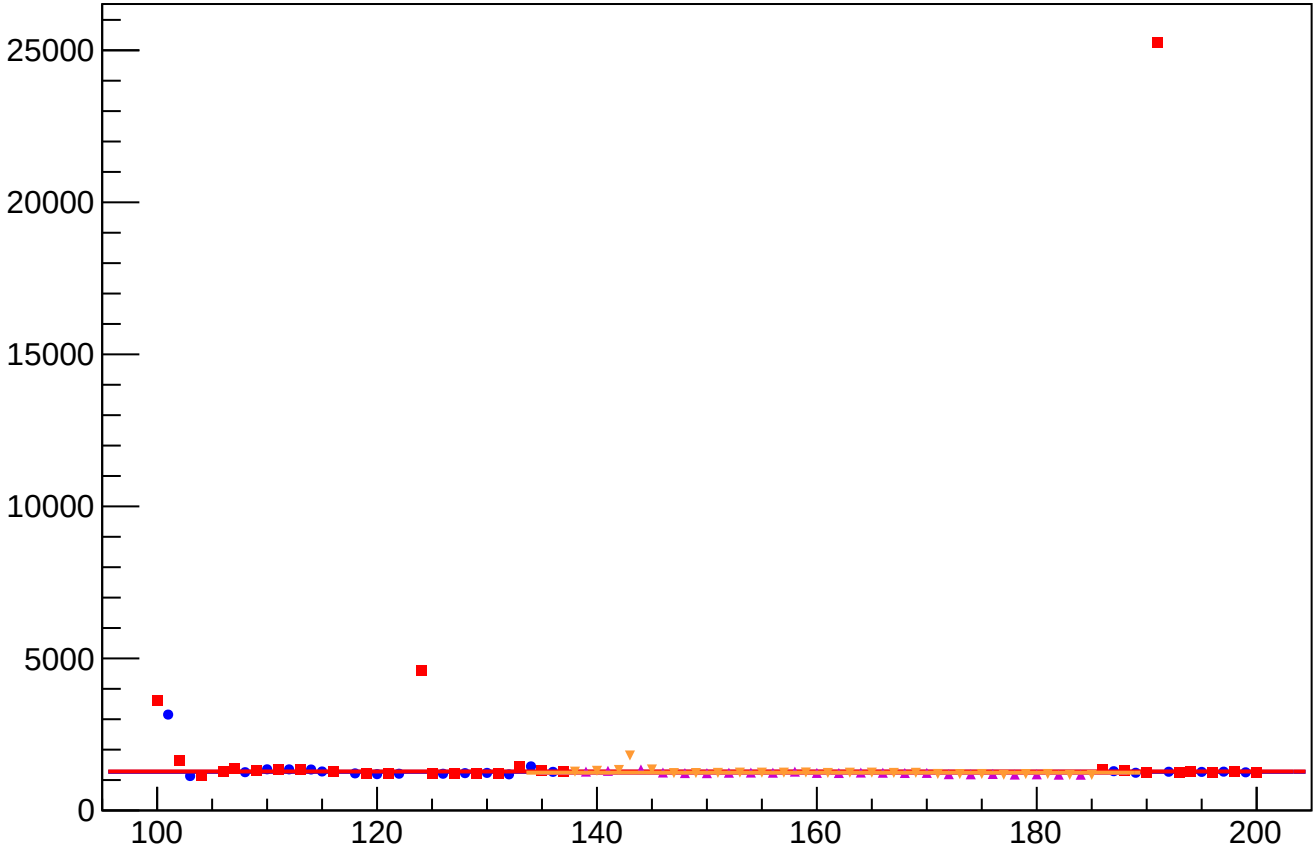
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 154.632+/-159.207 χ^2/NDF: 88.8/97

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

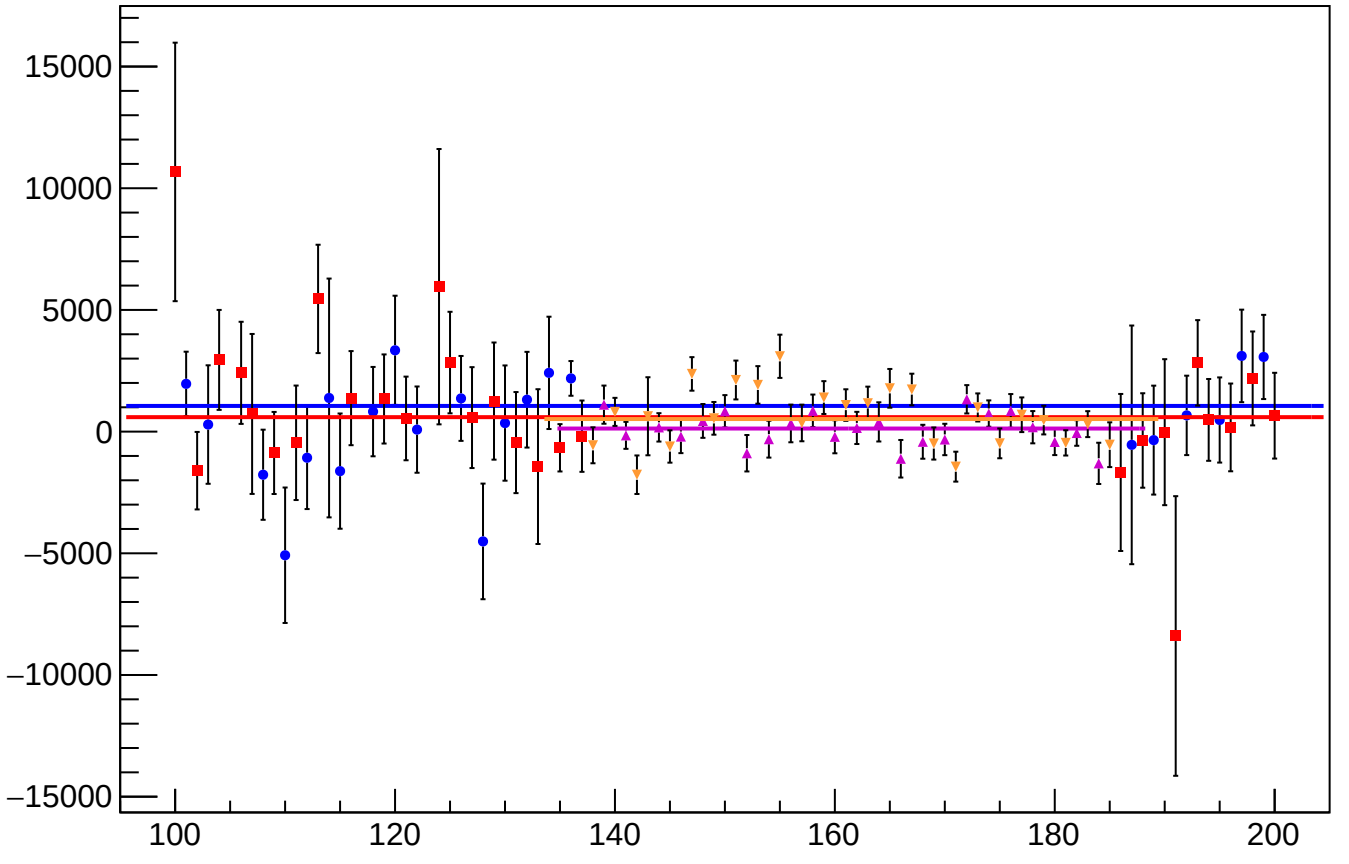
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

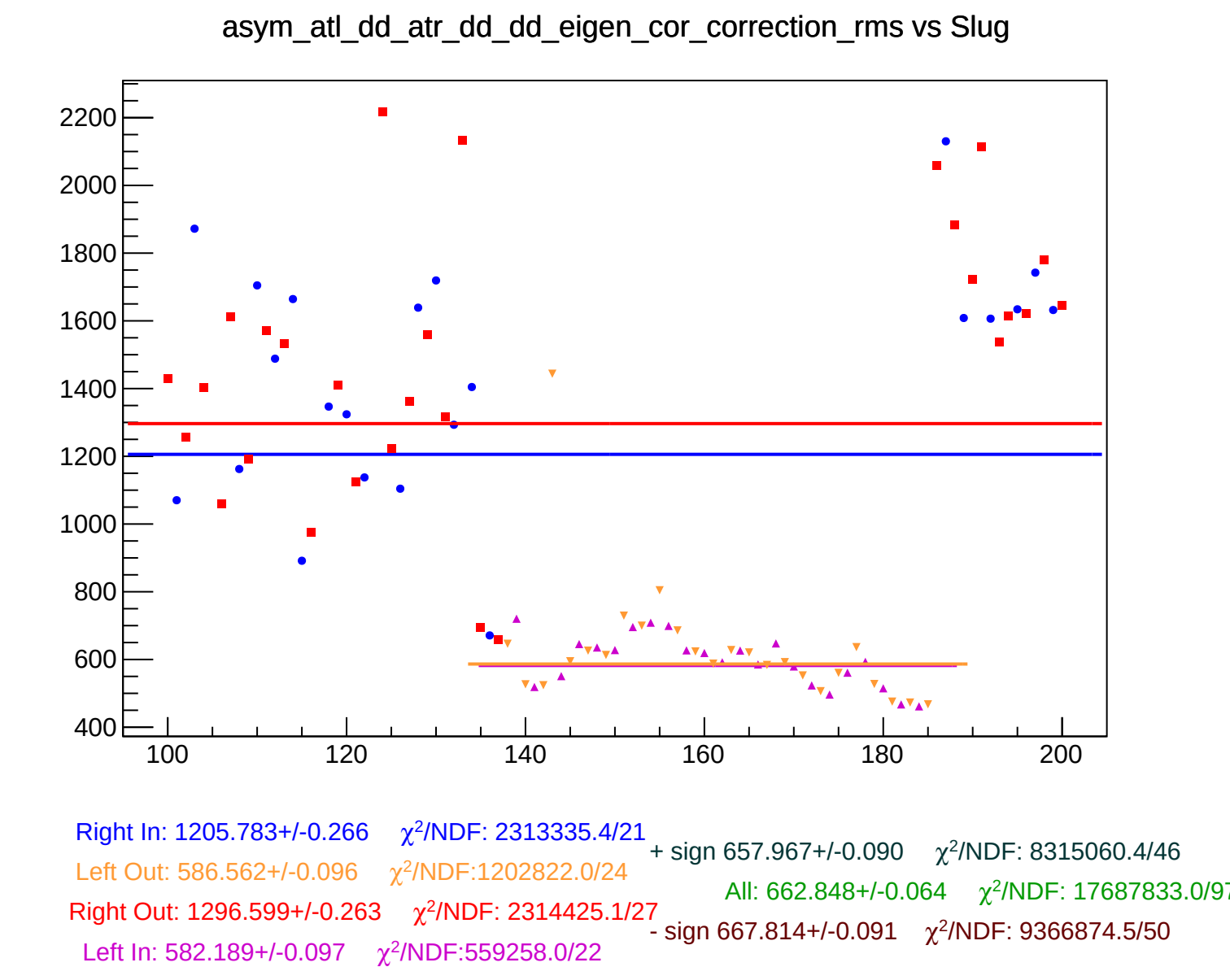
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

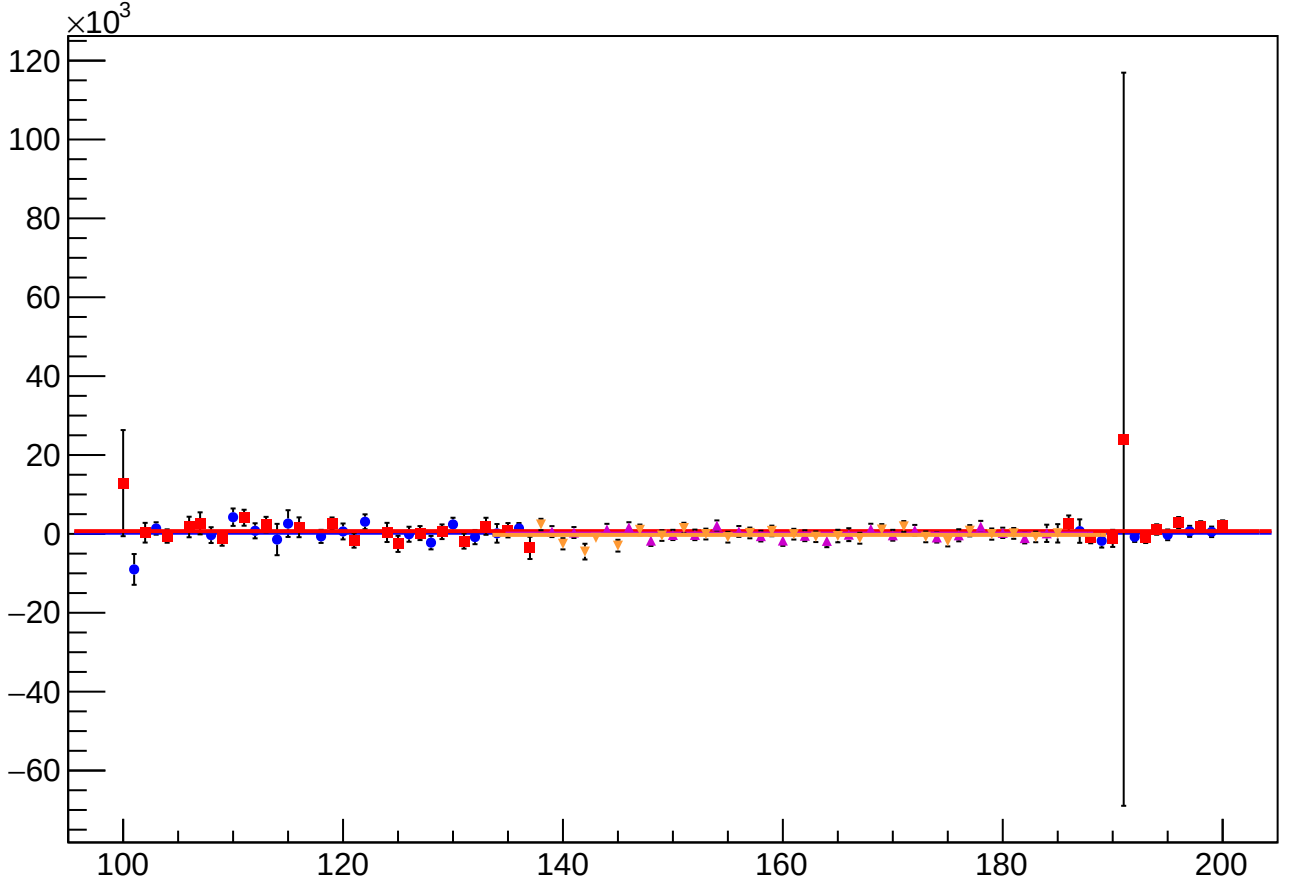
\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 382.457+/-90.669 χ^2/NDF: 143.6/97

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1205.783+/-0.266 χ²/NDF: 2313335.4/21
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1296.599+/-0.263 χ²/NDF: 2314425.1/27
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
+ sign 657.967+/-0.090 χ²/NDF: 8315060.4/46
All: 662.848+/-0.064 χ²/NDF: 17687833.0/97
- sign 667.814+/-0.091 χ²/NDF: 9366874.5/50

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 699.637+/-353.287 χ^2/NDF: 25.5/27

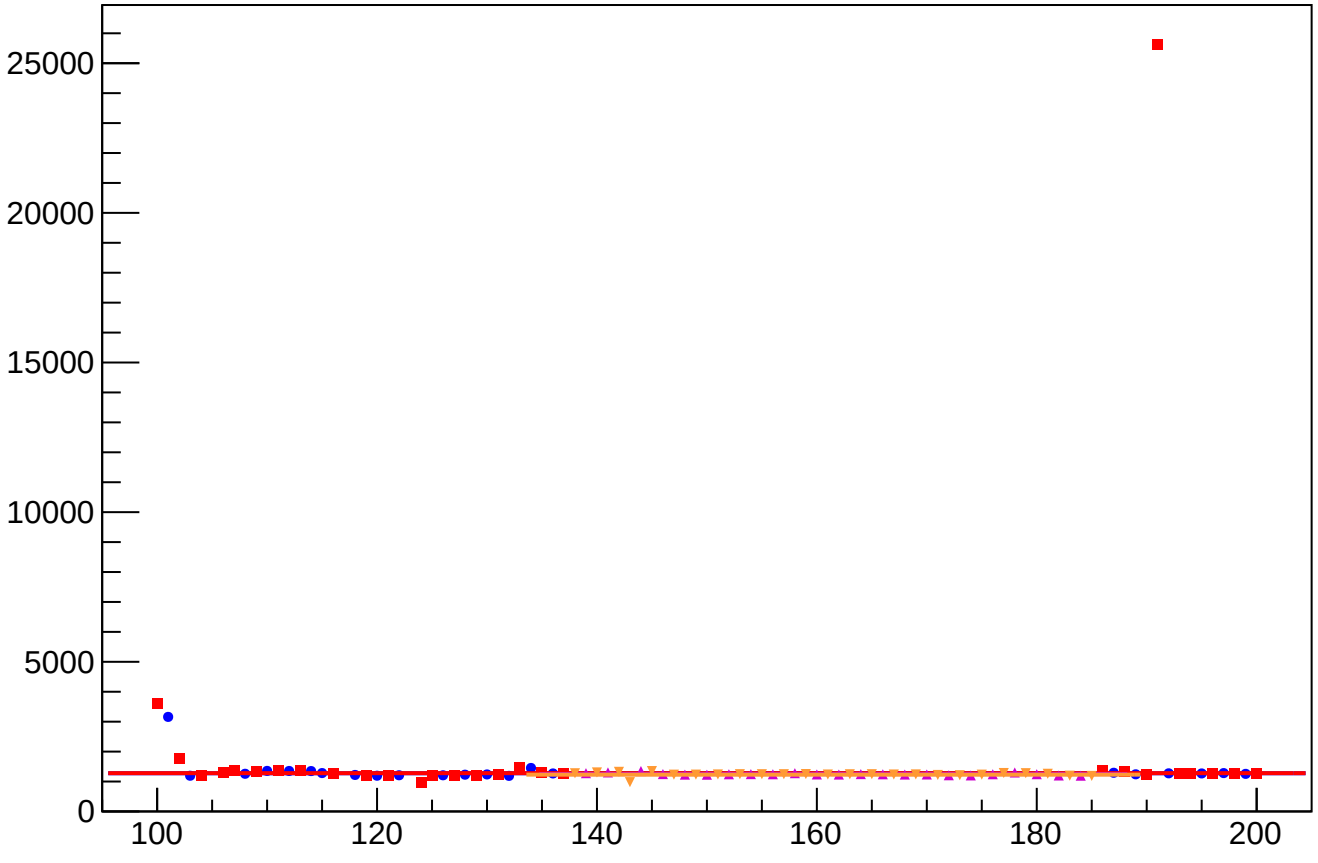
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.660+/-225.399 χ^2/NDF: 45.2/46

All: 134.611+/-159.178 χ^2/NDF: 88.0/97

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

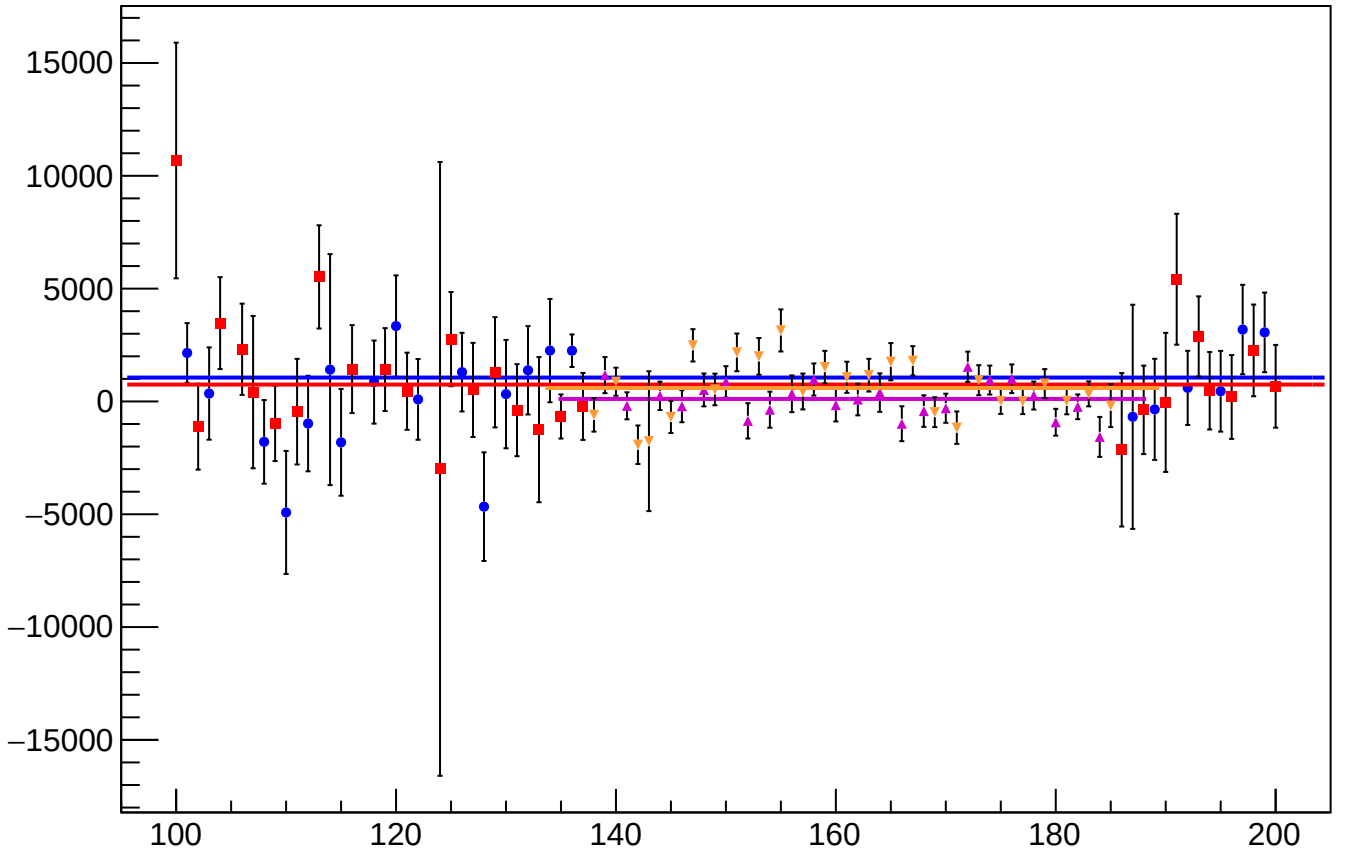
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669349.1/46

All: 1253.433+/-0.113 χ^2/NDF: 1079414.5/97

- sign 1260.667+/-0.159 χ^2/NDF: 405913.0/50



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 748.259+/-376.775 χ^2/NDF: 23.0/27

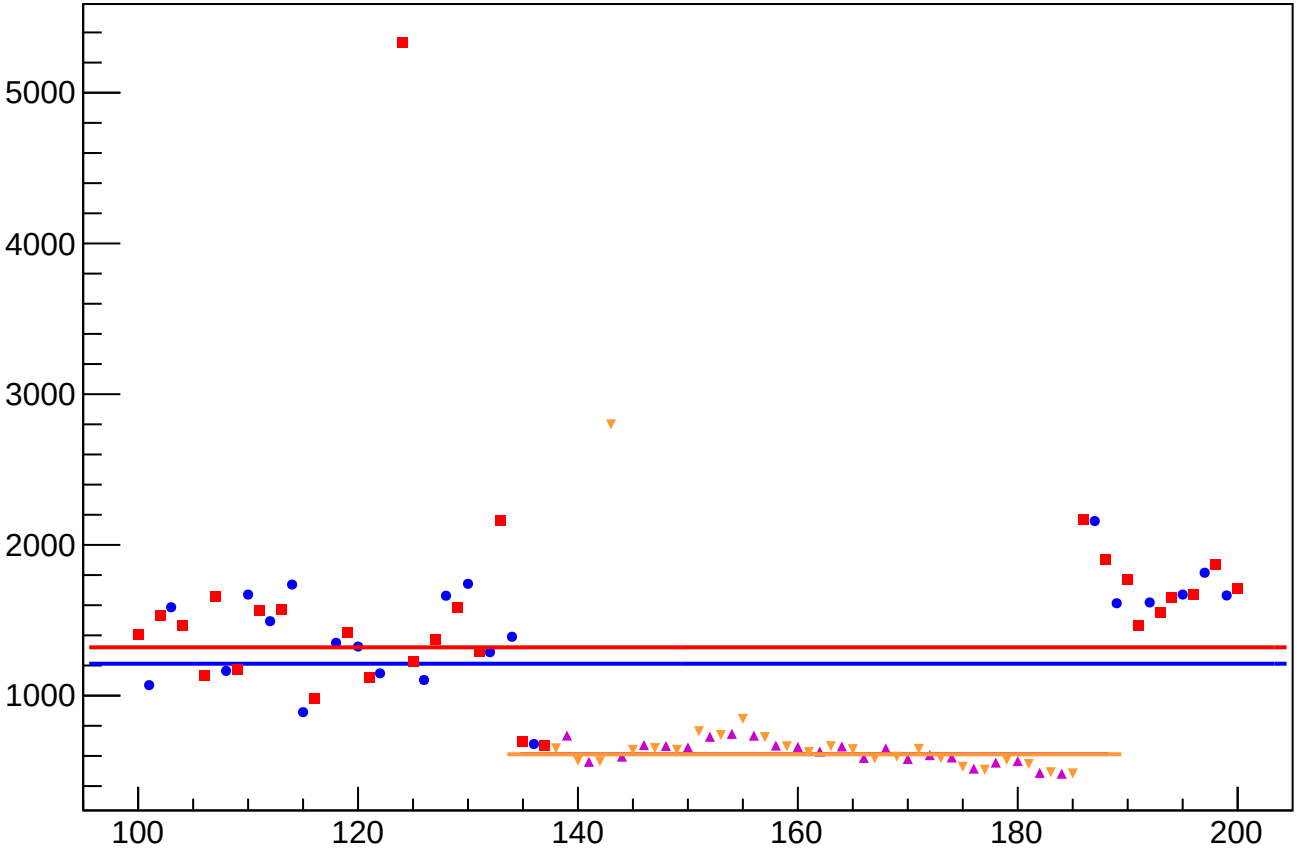
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 652.577+/-133.002 χ^2/NDF: 82.3/46

All: 425.109+/-94.641 χ^2/NDF: 139.5/97

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

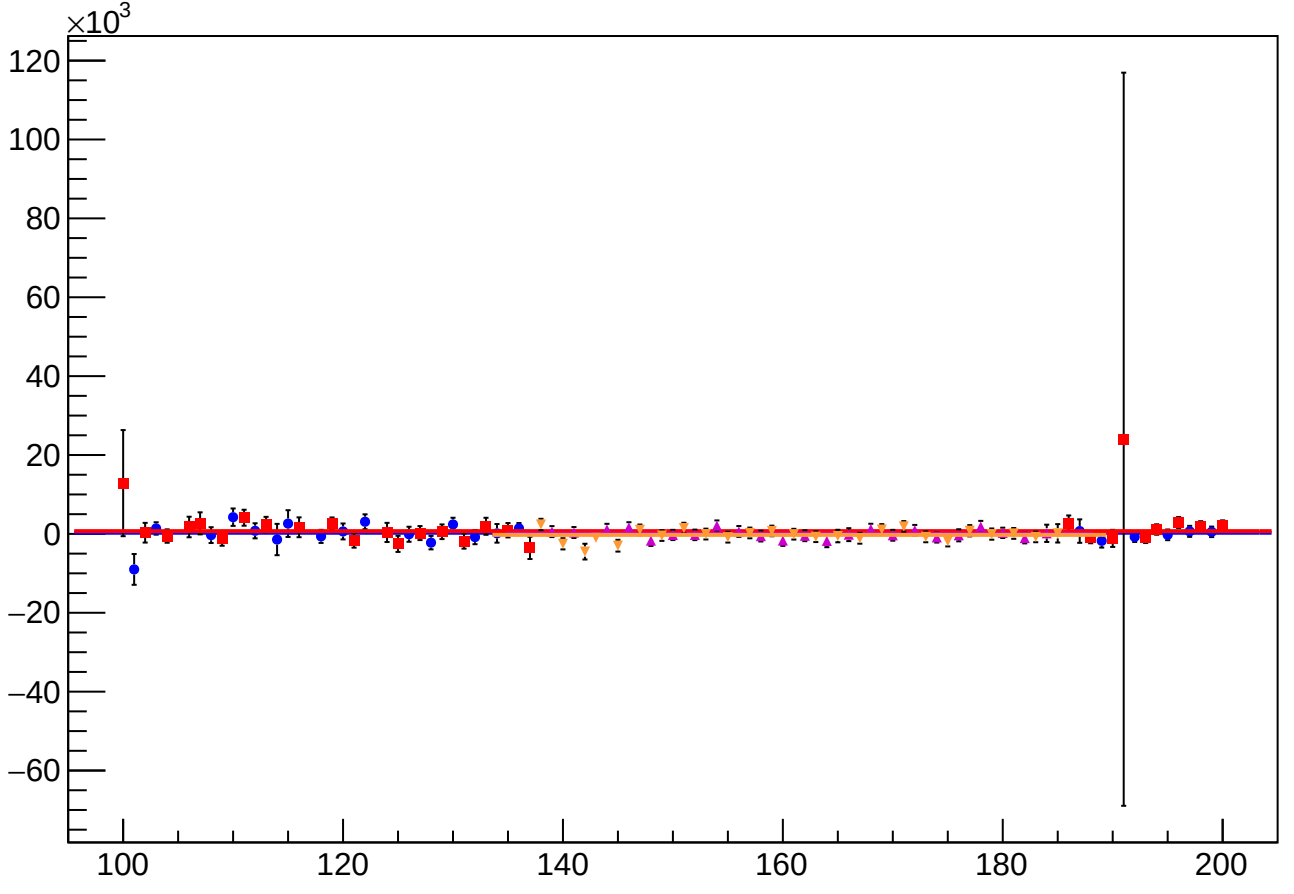
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311959.7/46

All: 694.233+/-0.067 χ^2/NDF: 17528361.9/97

- sign 702.909+/-0.095 χ^2/NDF: 9200017.9/50

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 699.636+/-353.287 χ^2/NDF: 25.5/27

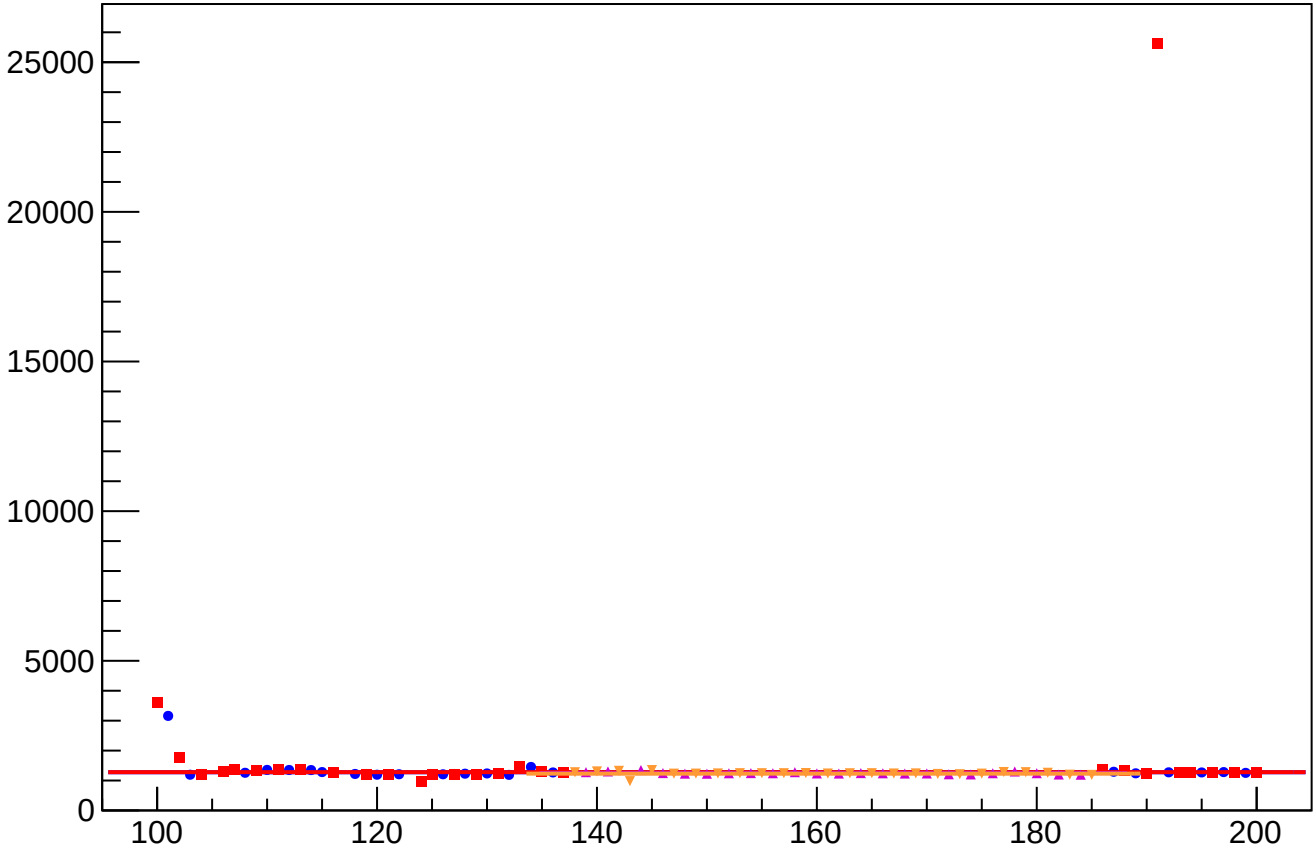
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -59.661+/-225.399 χ^2/NDF: 45.2/46

All: 134.611+/-159.178 χ^2/NDF: 88.0/97

\- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

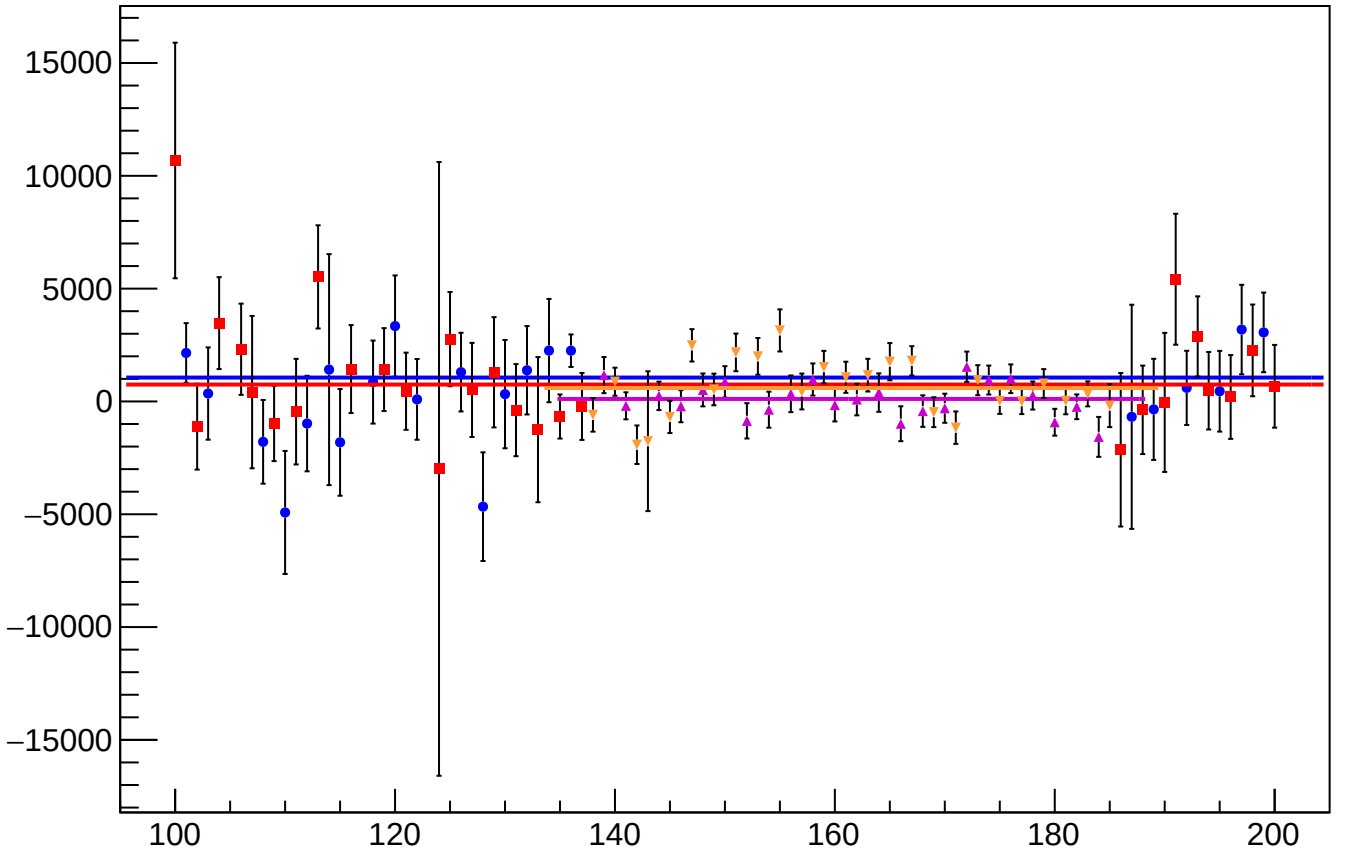
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669348.2/46

All: 1253.433+/-0.113 χ^2/NDF: 1079413.5/97

- sign 1260.667+/-0.159 χ^2/NDF: 405912.9/50



Right In: 1058.122+/-377.212 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

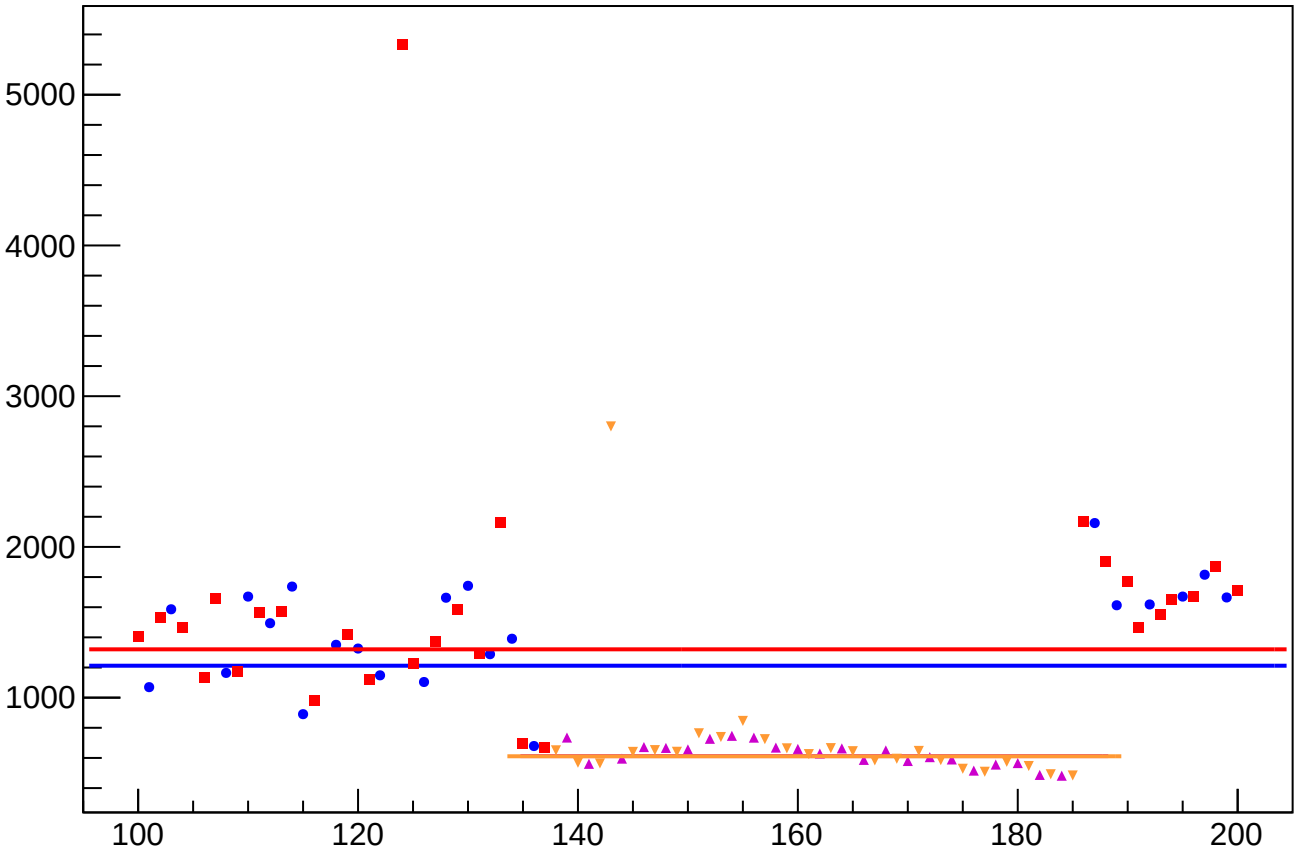
Right Out: 748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 652.576+/-133.002 χ^2/NDF: 82.3/46

All: 425.108+/-94.641 χ^2/NDF: 139.5/97

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



Right In: 1211.859+/-0.267 χ^2/NDF: 2250169.1/21

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

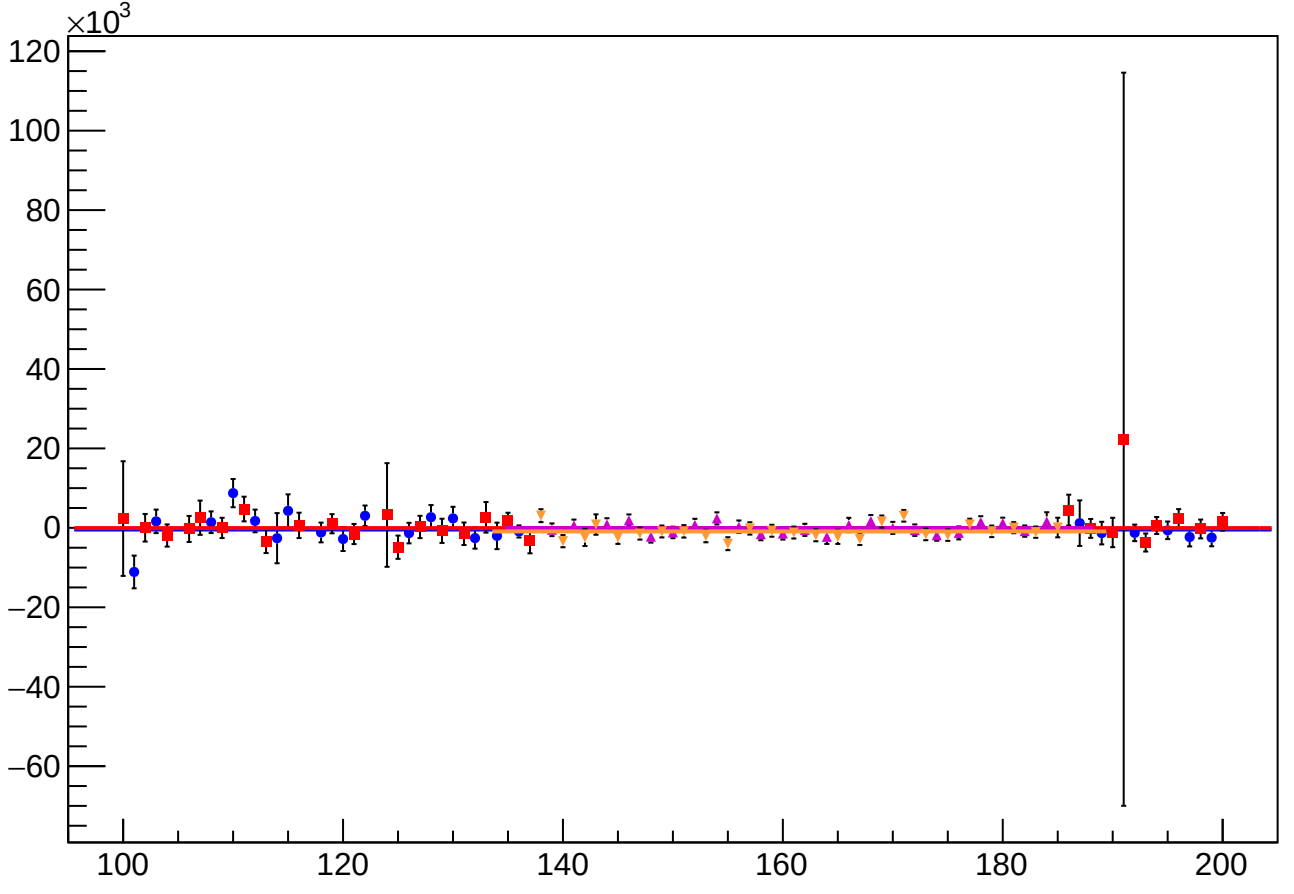
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311945.1/46

All: 694.233+/-0.067 χ^2/NDF: 17528357.0/97

- sign 702.908+/-0.095 χ^2/NDF: 9200028.7/50

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -61.700+/-547.034 χ^2/NDF: 16.3/27

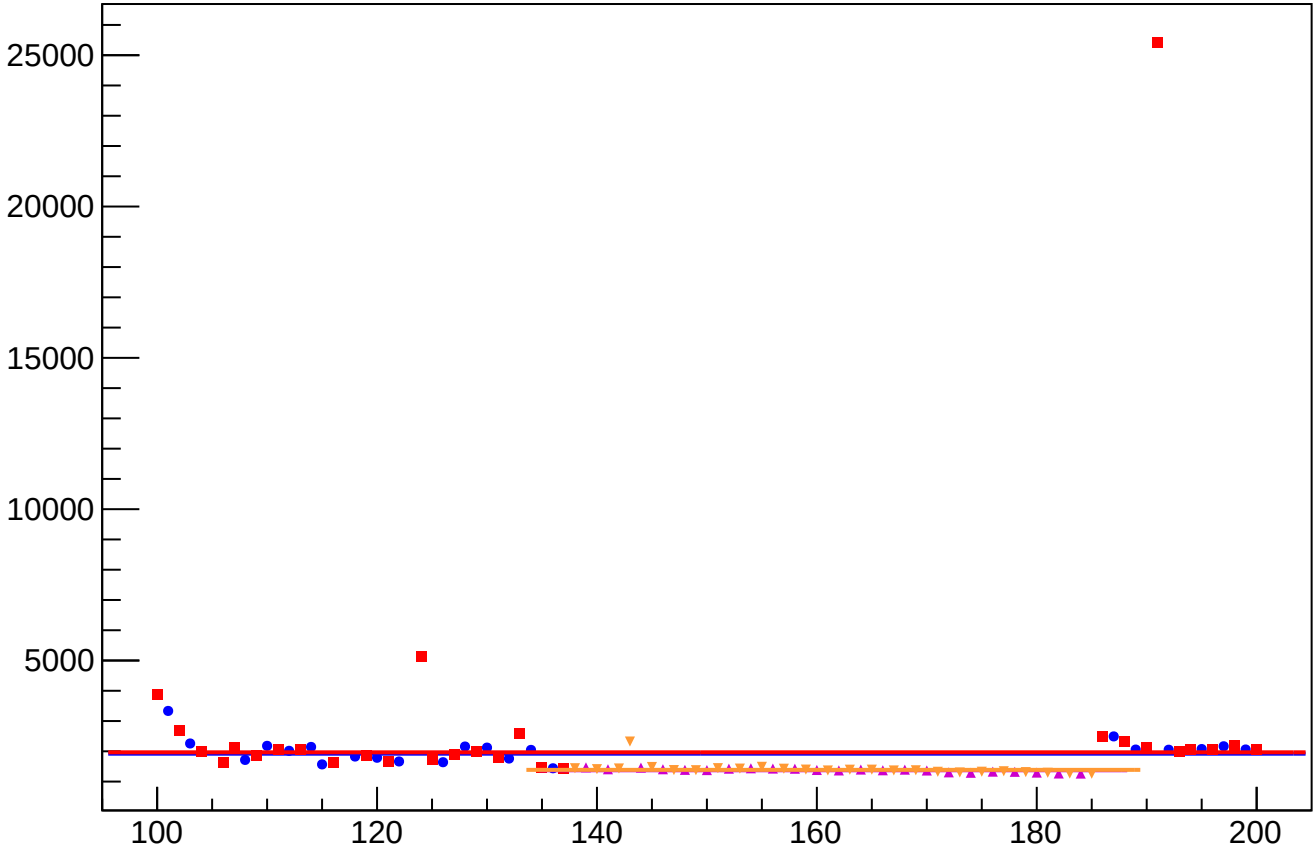
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -788.138+/-277.245 χ^2/NDF: 54.1/46

All: -419.309+/-195.887 χ^2/NDF: 91.7/97

- sign -51.640+/-276.809 χ^2/NDF: 34.2/50

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

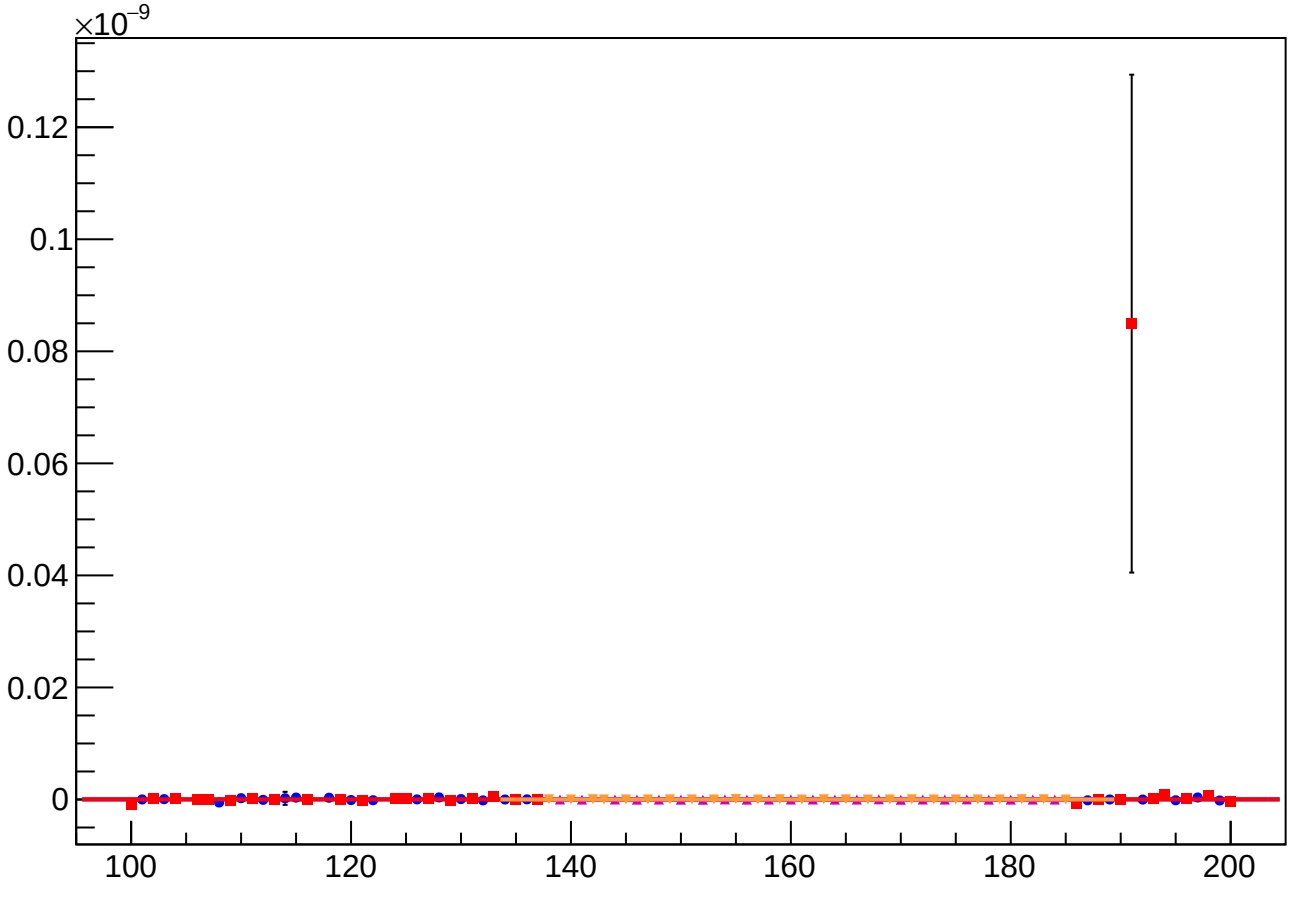
Right Out: 1966.810+/-0.387 χ^2/NDF: 814321.2/27

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1511.116+/-0.196 χ^2/NDF: 2322838.3/46

All: 1518.174+/-0.139 χ^2/NDF: 4956185.8/97

- sign 1525.210+/-0.196 χ^2/NDF: 2630758.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

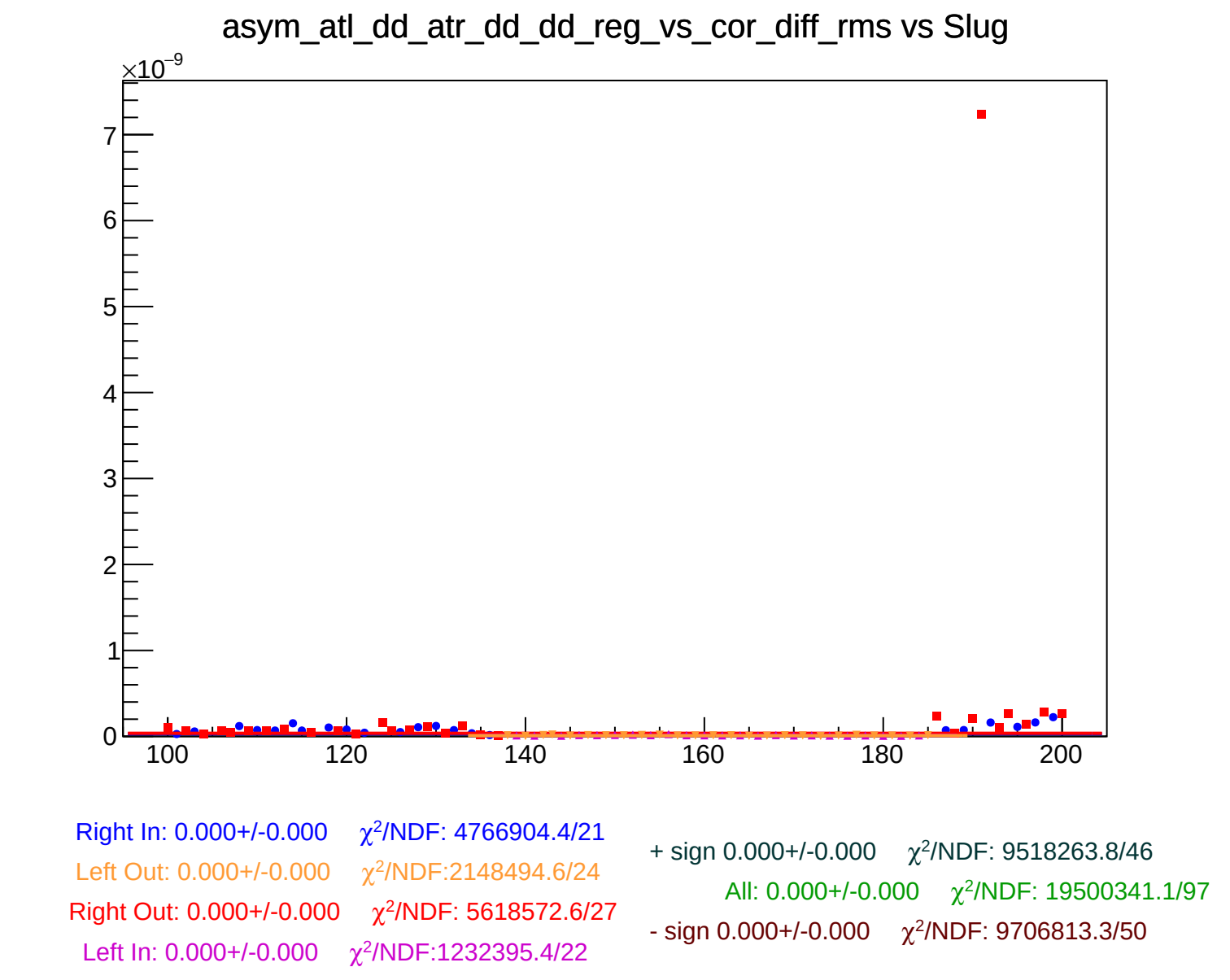
Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/27

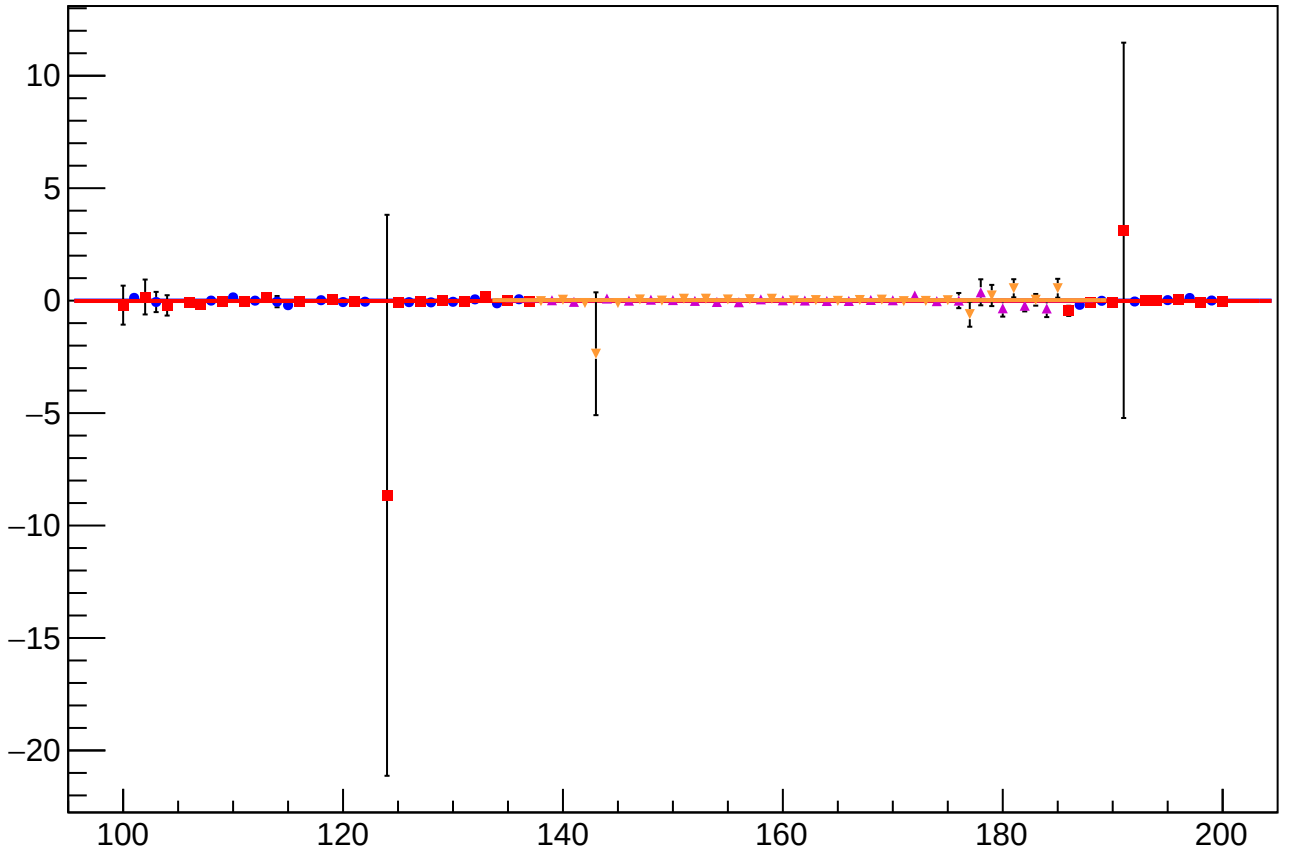
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/46

All: 0.000+/-0.000 χ^2/NDF: 103.4/97

- sign -0.000+/-0.000 χ^2/NDF: 57.9/50


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4766904.4/21
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5618572.6/27
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9518263.8/46
All: 0.000+/-0.000 χ²/NDF: 19500341.1/97
- sign 0.000+/-0.000 χ²/NDF: 9706813.3/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

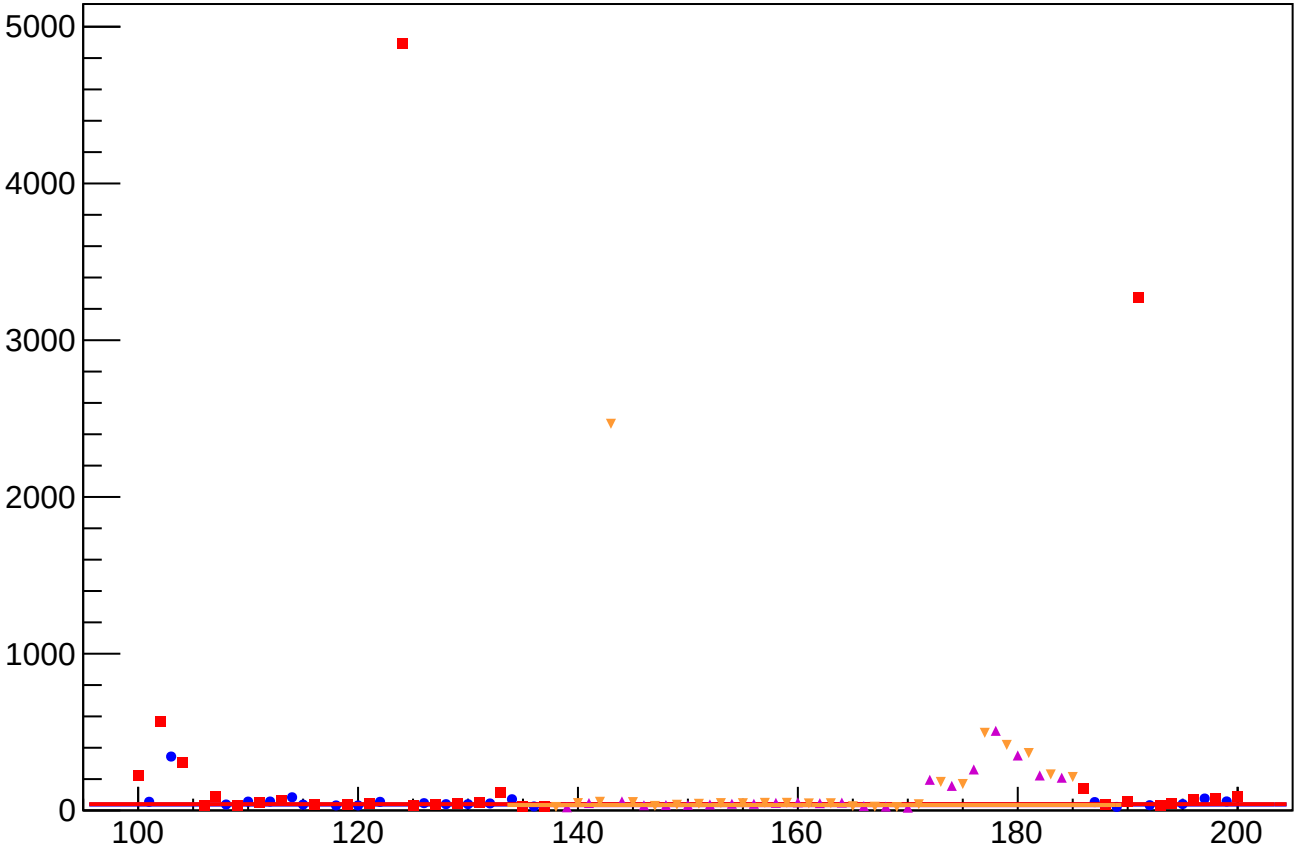
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

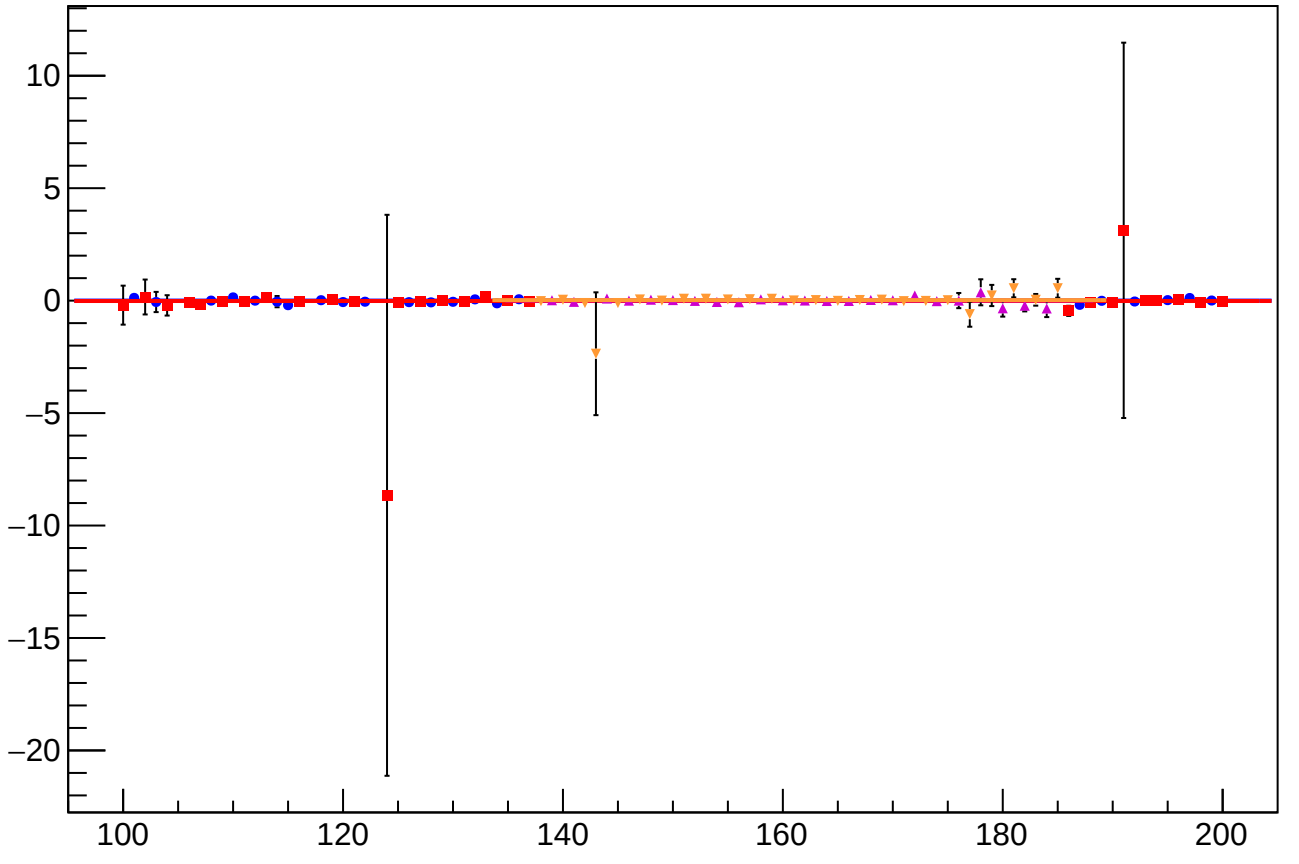
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

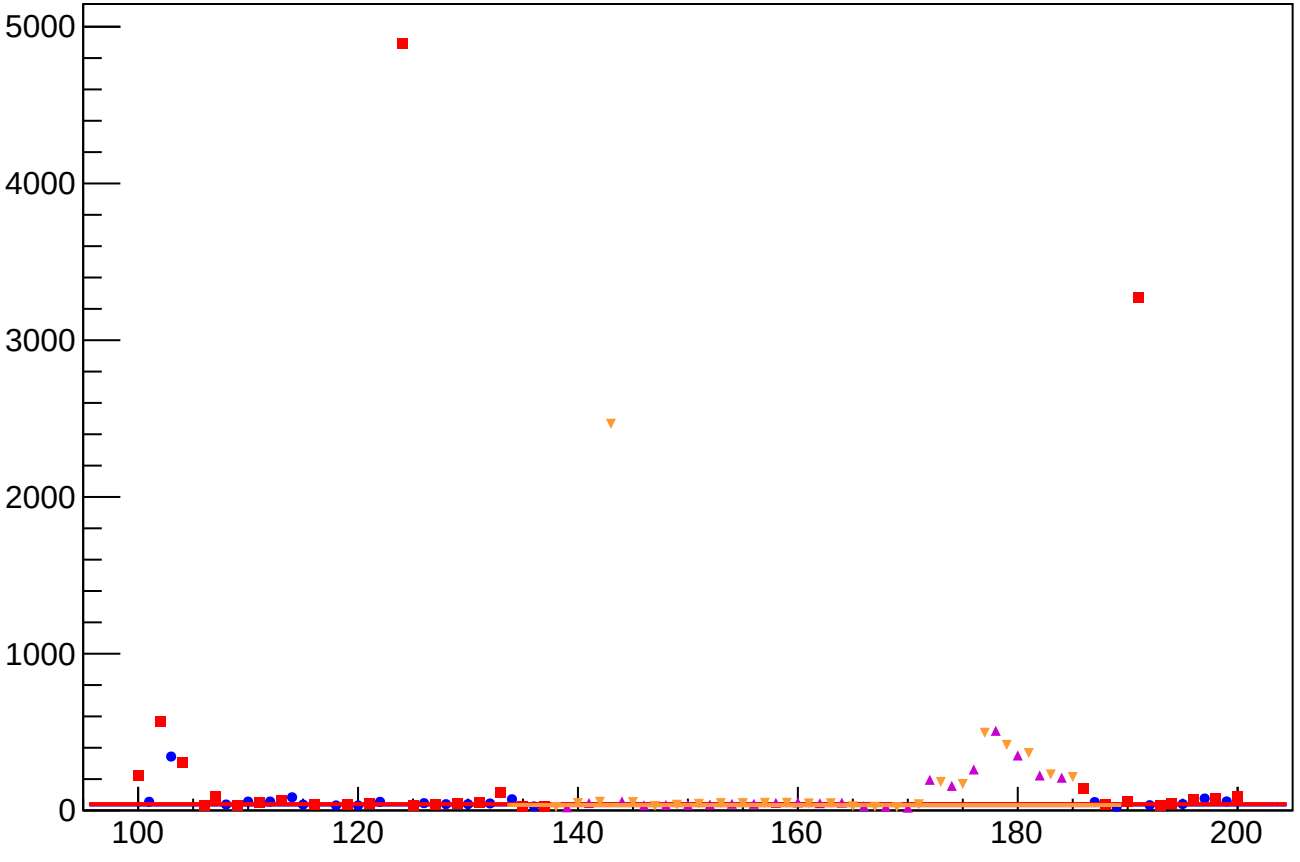
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

\- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

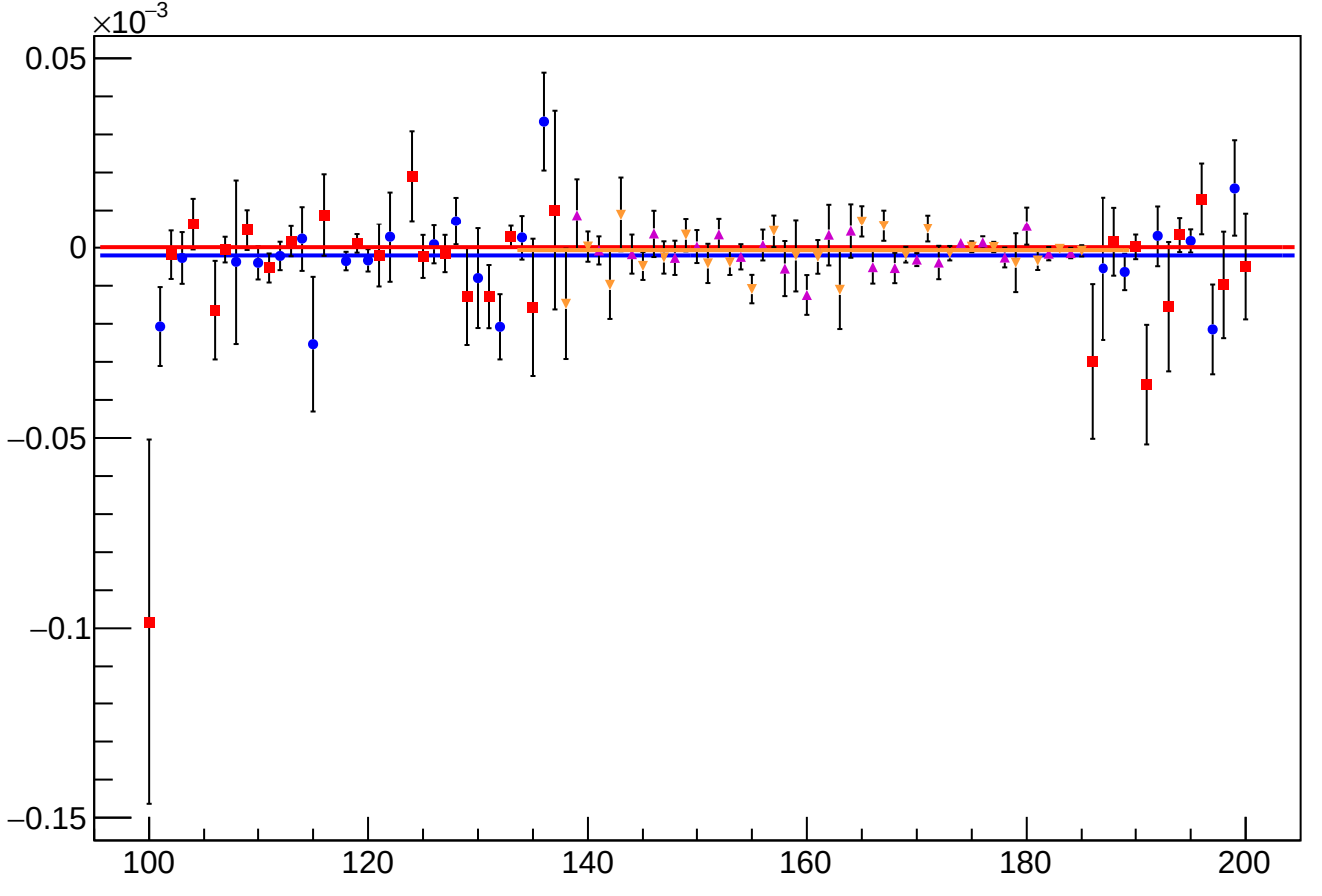
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

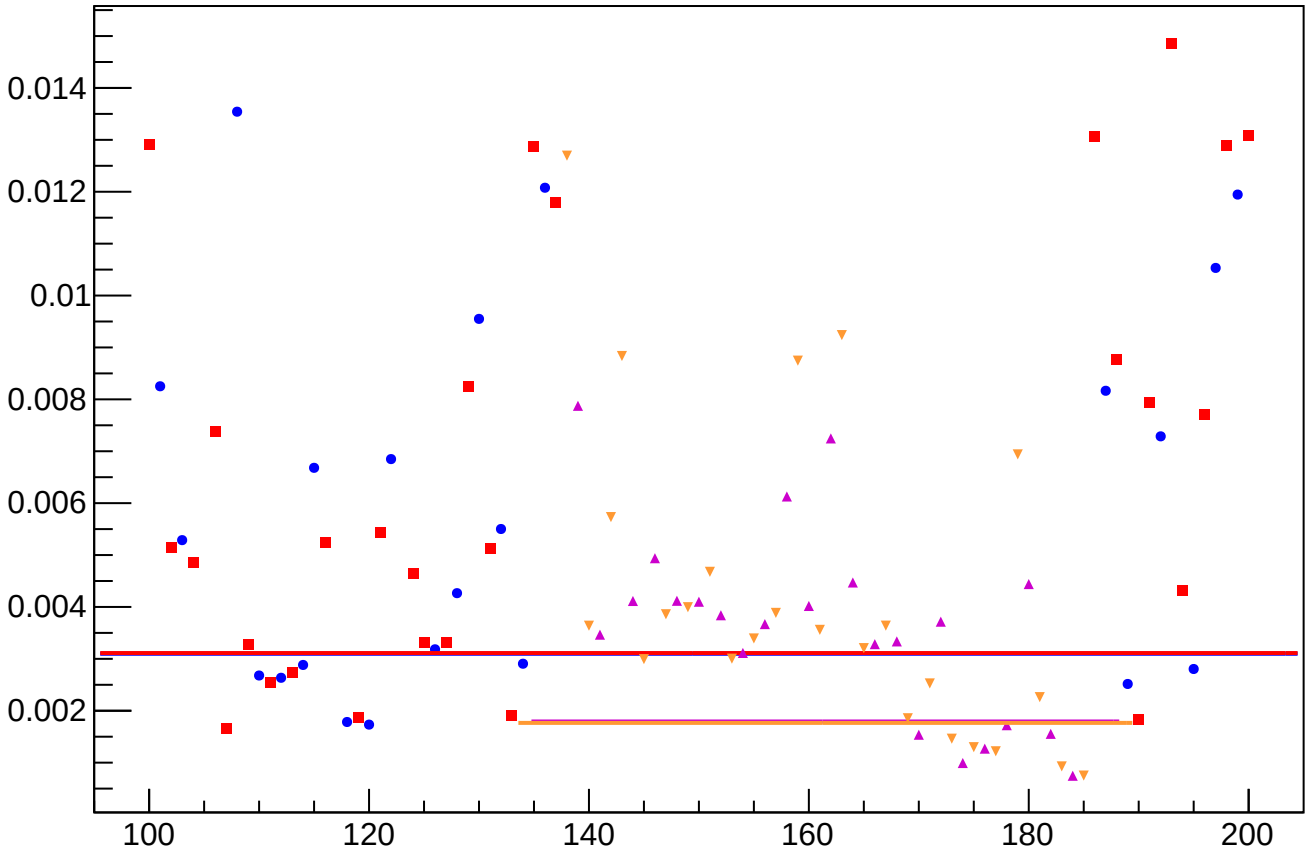
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: -0.000+/-0.000 χ^2/NDF: 112.1/97

- sign -0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

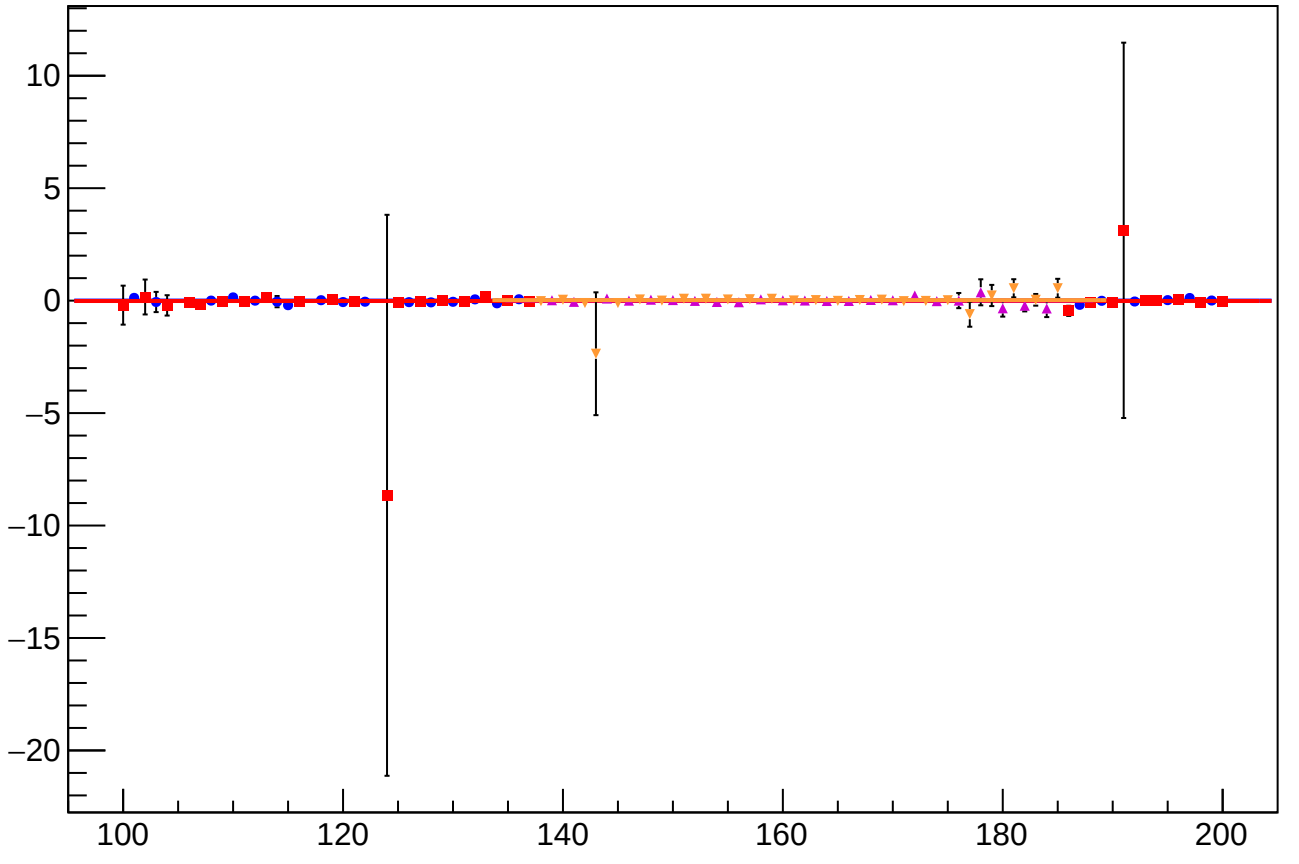
Right Out: 0.003+/-0.000 χ^2/NDF: 8800178.3/27

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 21927871.0/46

All: 0.002+/-0.000 χ^2/NDF: 44021130.5/97

- sign 0.002+/-0.000 χ^2/NDF: 22062245.7/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

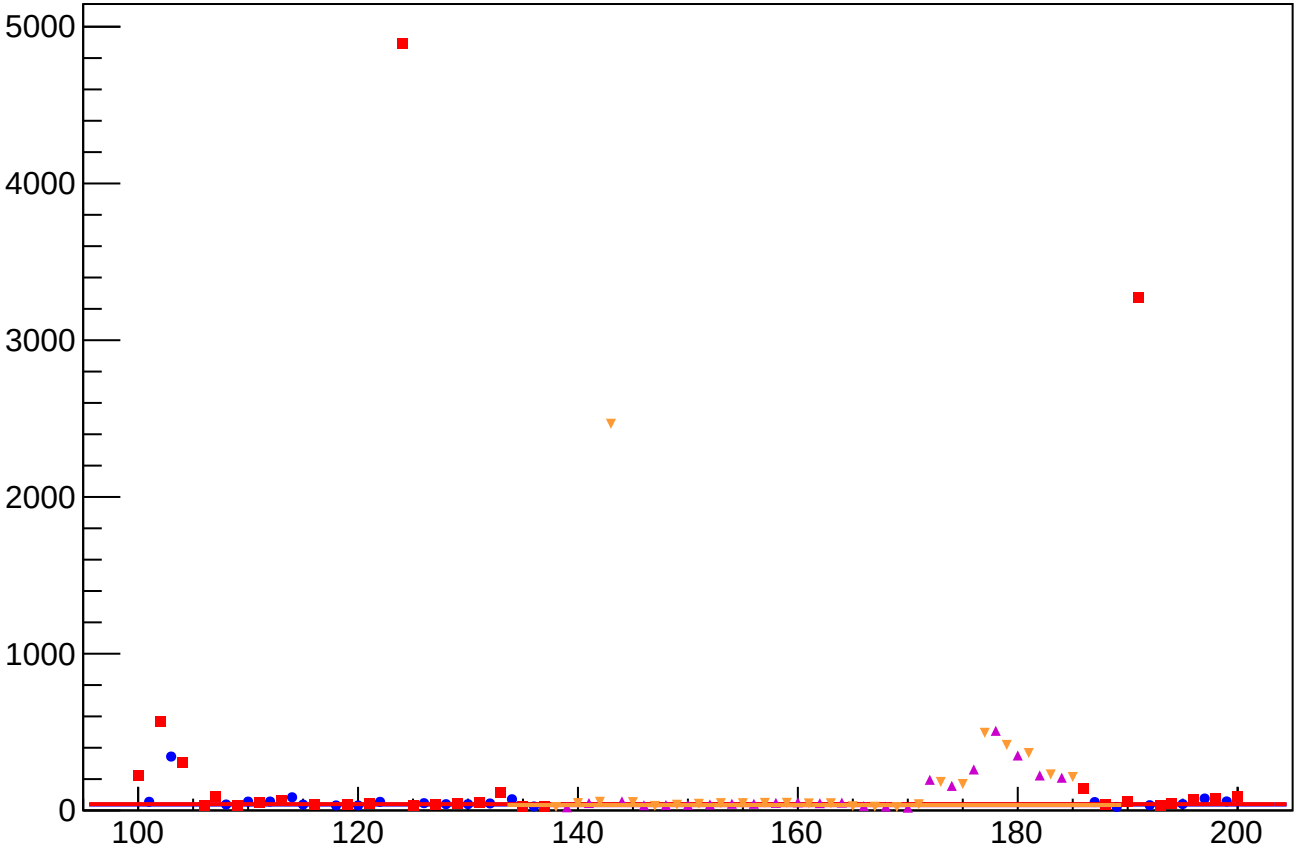
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

\- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

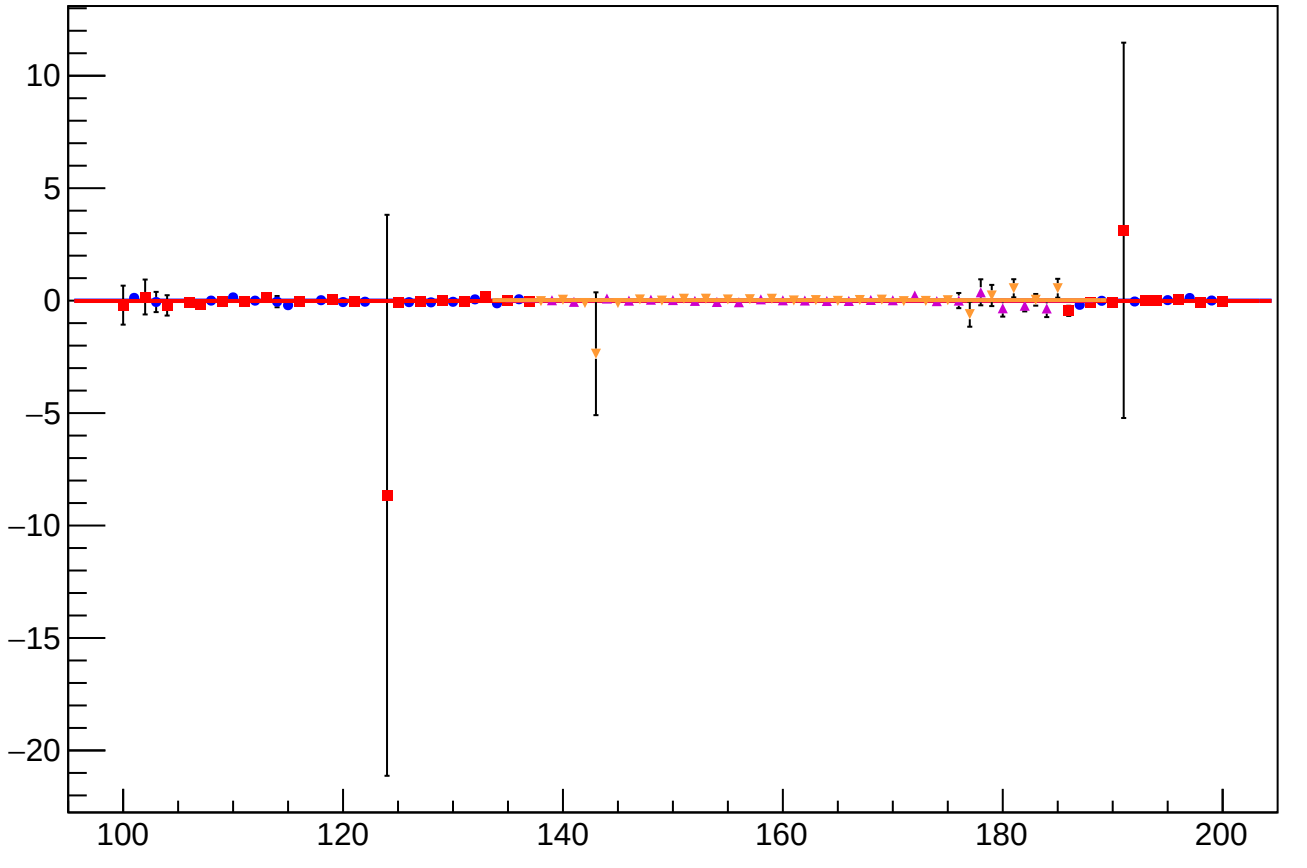
Right Out: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

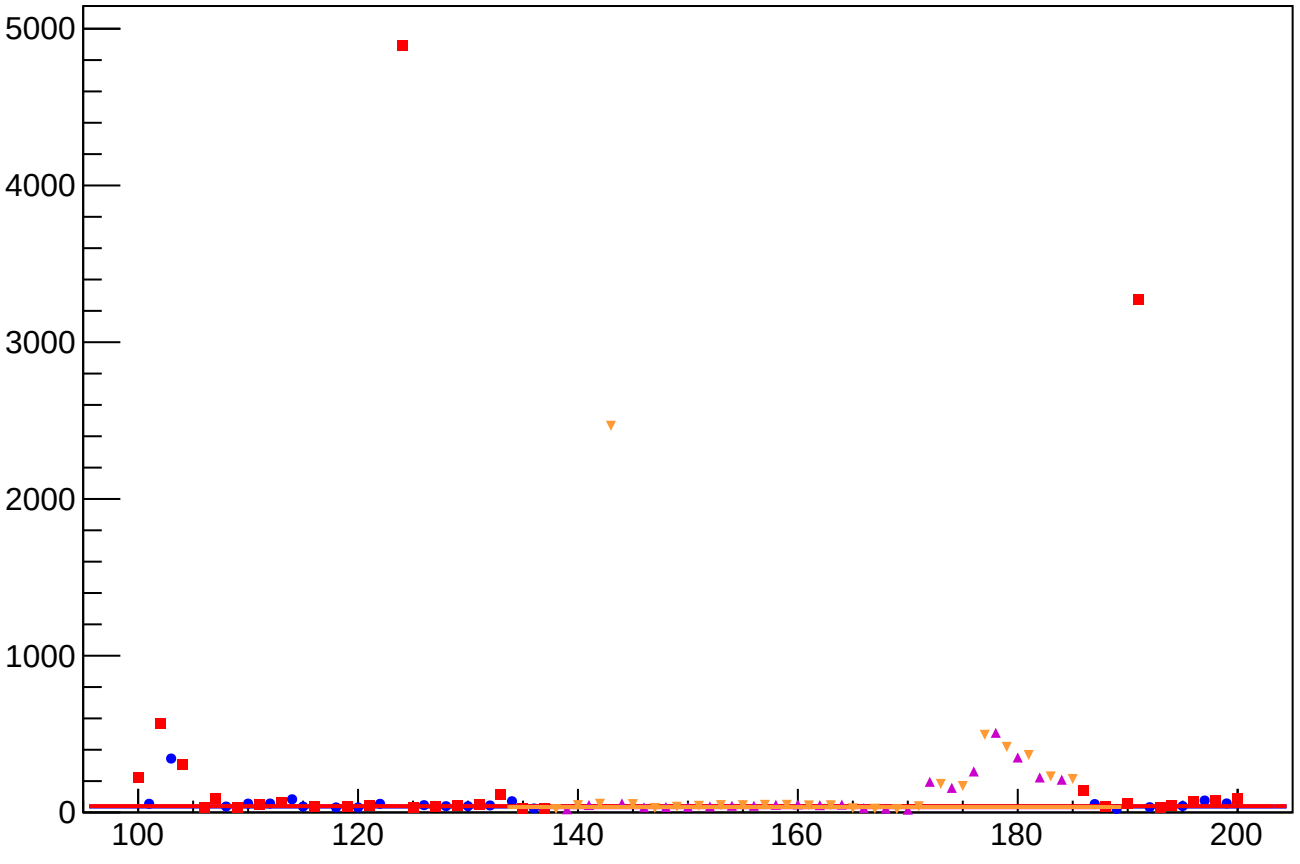
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

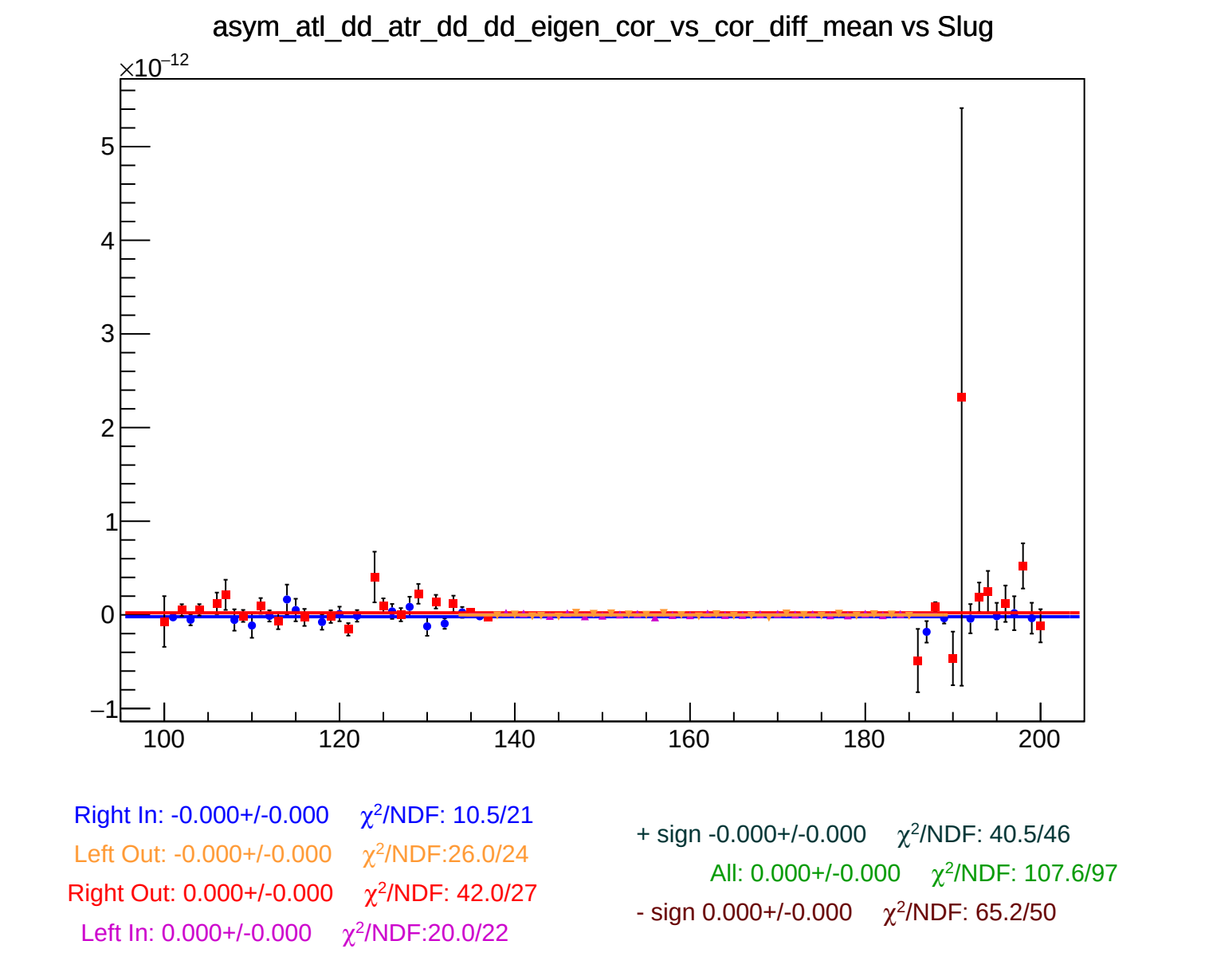
Right Out: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

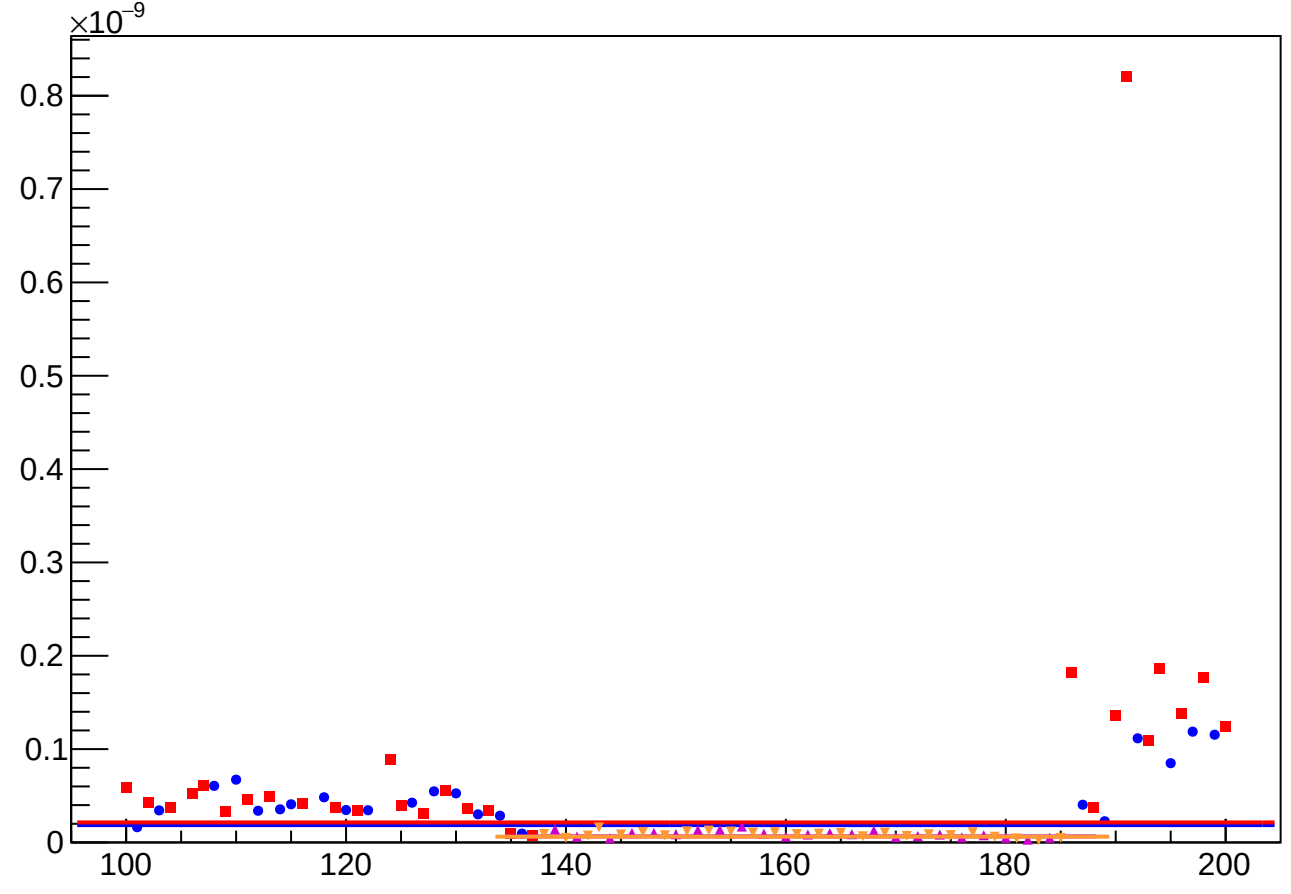
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 10.5/21
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.0/27
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
+ sign -0.000+/-0.000 χ²/NDF: 40.5/46
All: 0.000+/-0.000 χ²/NDF: 107.6/97
- sign 0.000+/-0.000 χ²/NDF: 65.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8875405.8/27

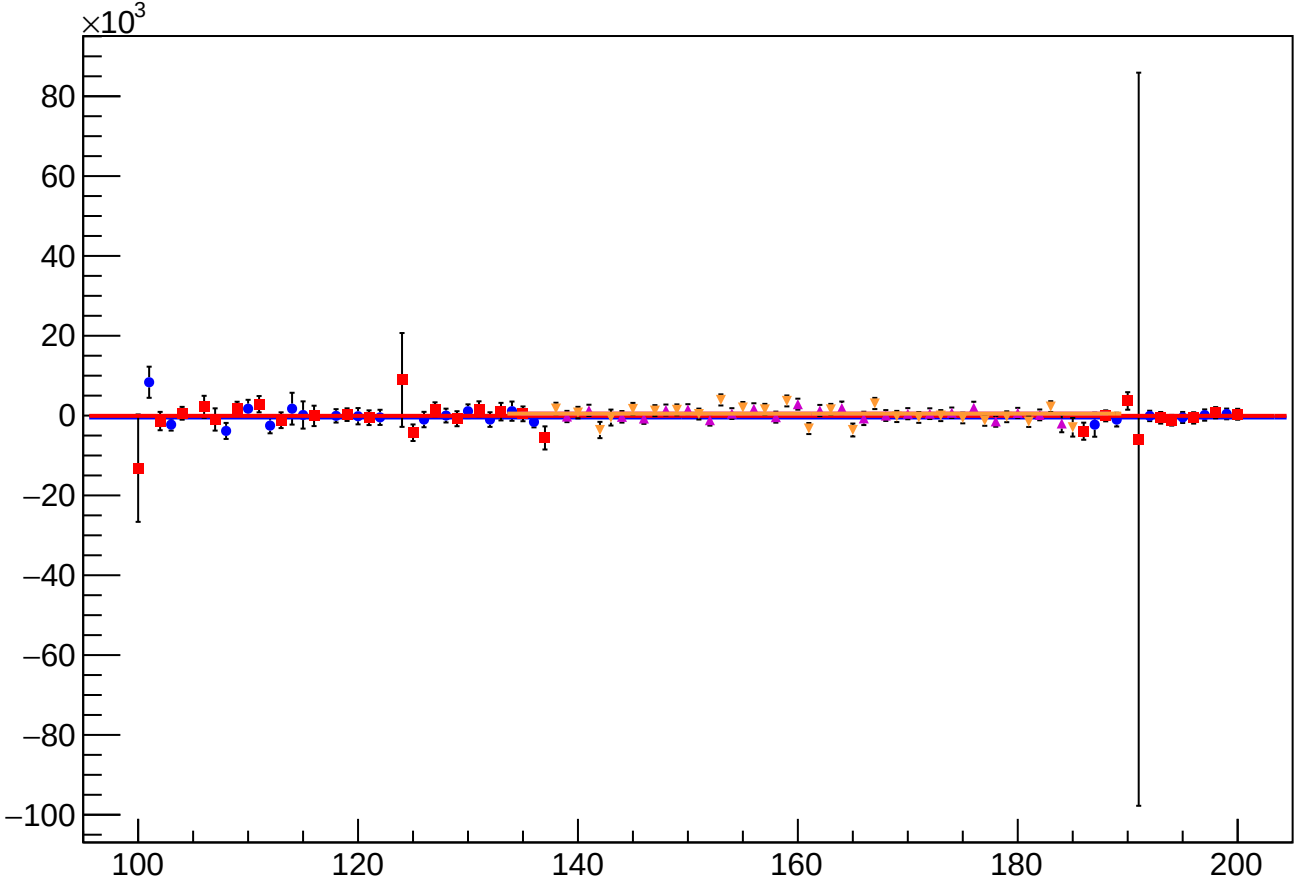
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14015540.8/46

All: 0.000+/-0.000 χ^2/NDF: 30700766.8/97

- sign 0.000+/-0.000 χ^2/NDF: 16657617.8/50

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -65.376+/-359.817 χ^2/NDF: 23.4/27

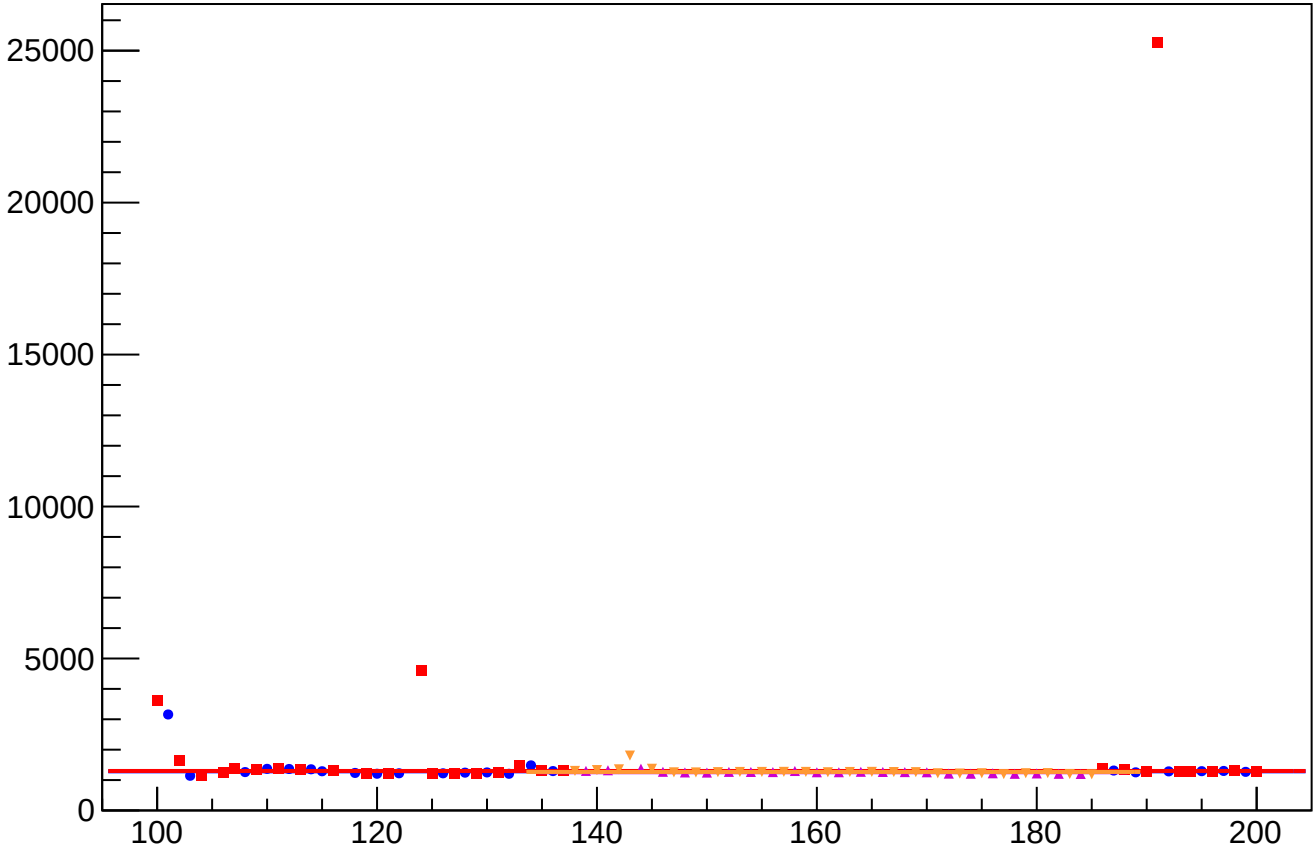
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 204.884+/-161.955 χ^2/NDF: 105.5/97

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

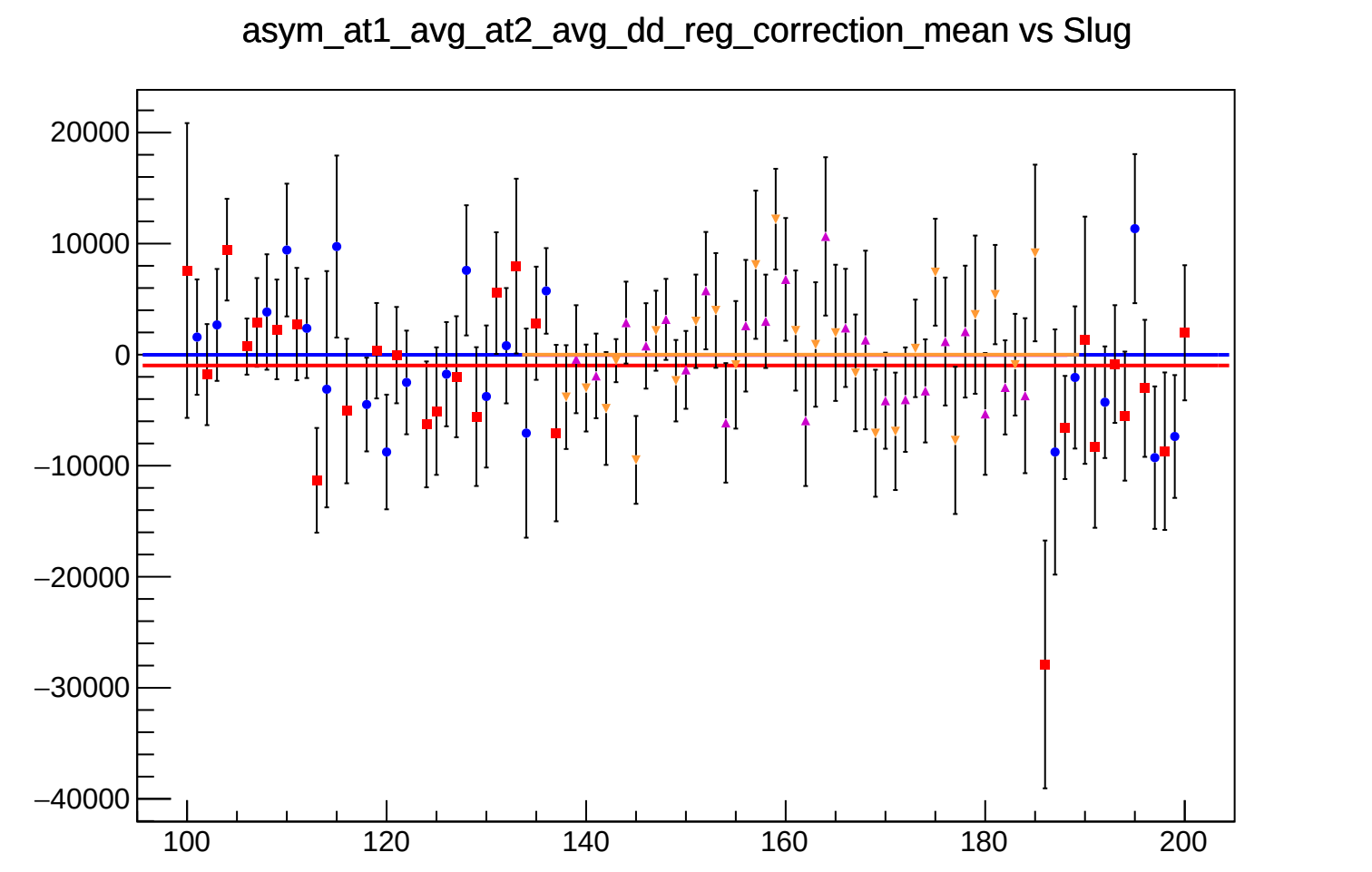
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

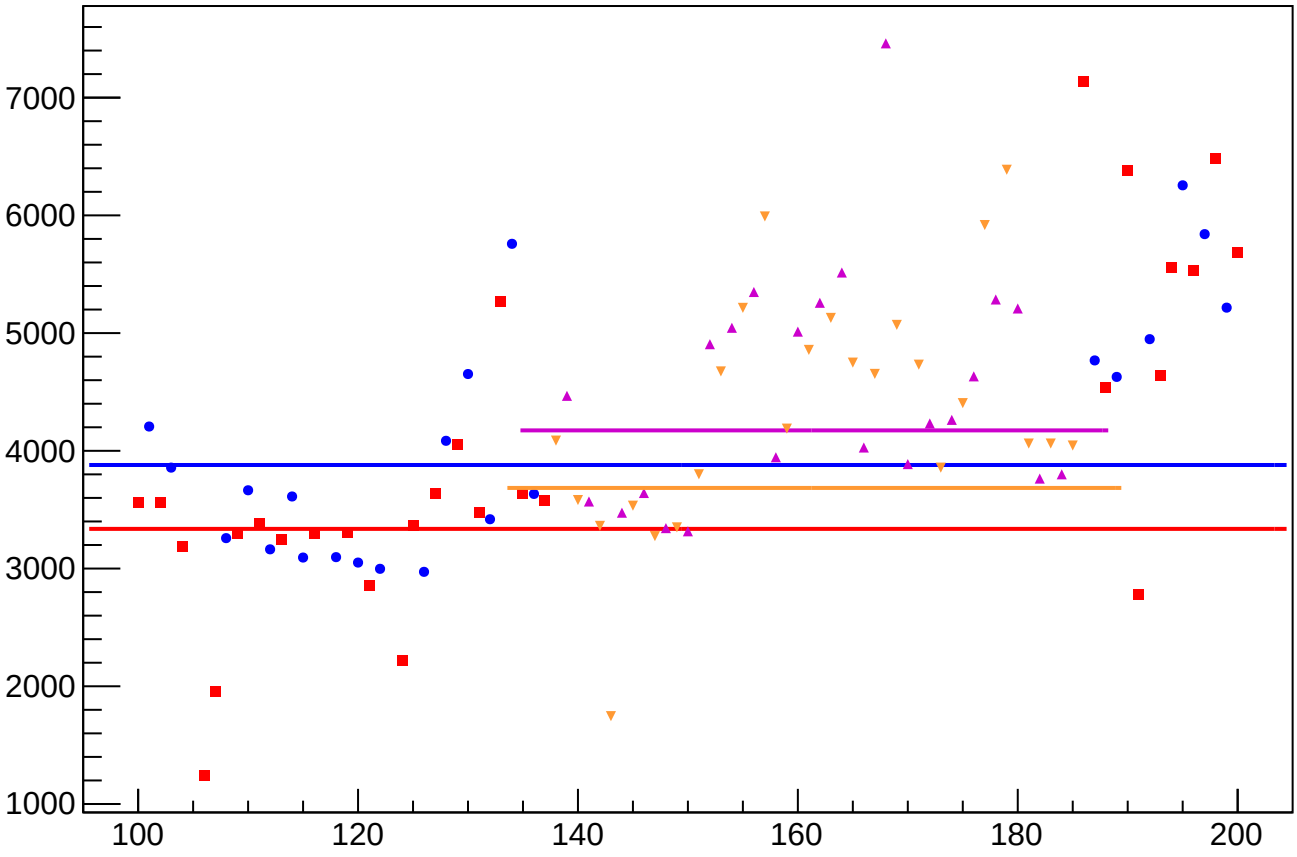
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -5.706+/-708.307 χ^2/NDF: 51.7/46

All: -259.708+/-497.996 χ^2/NDF: 96.2/97

- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

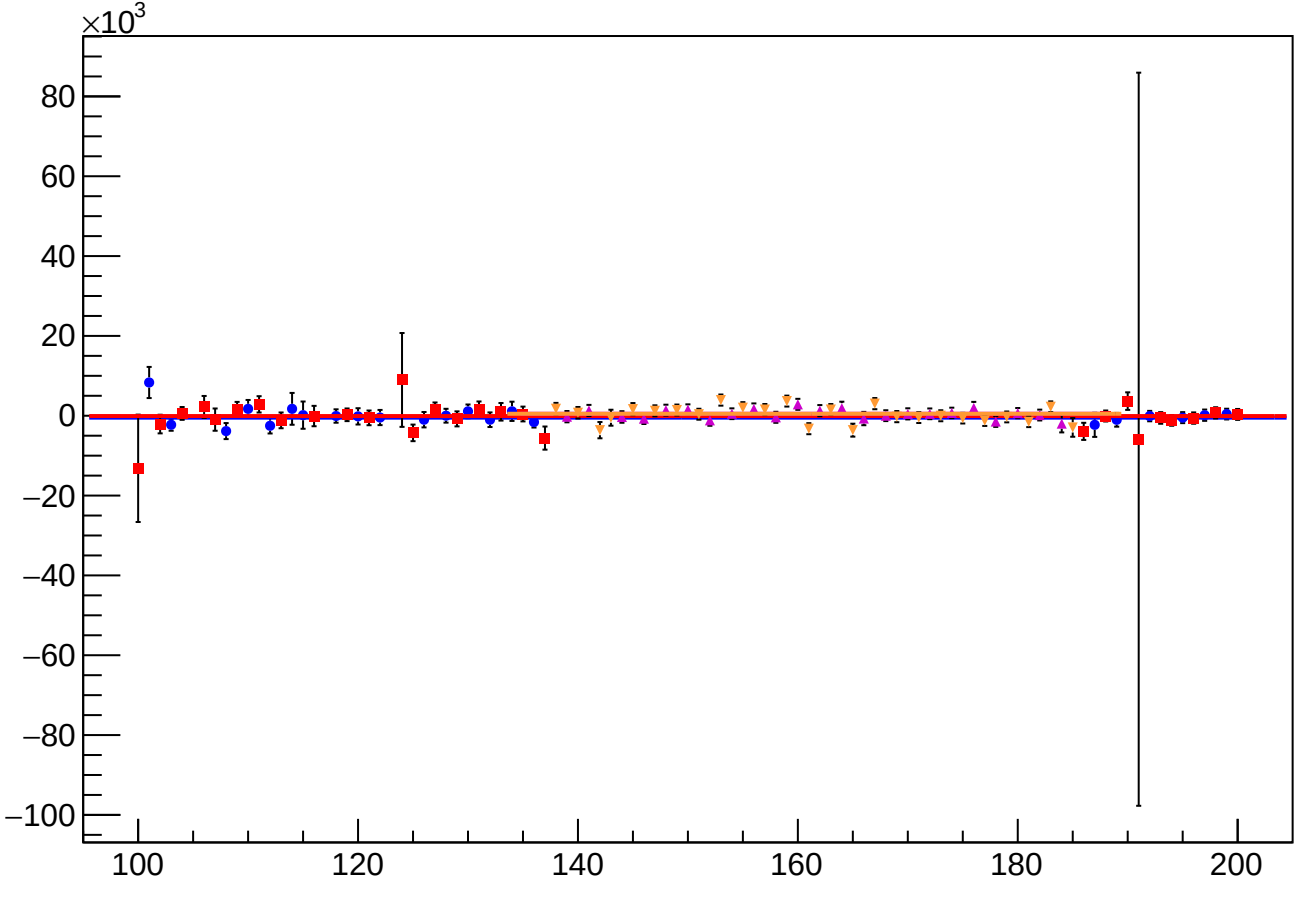
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9

\- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

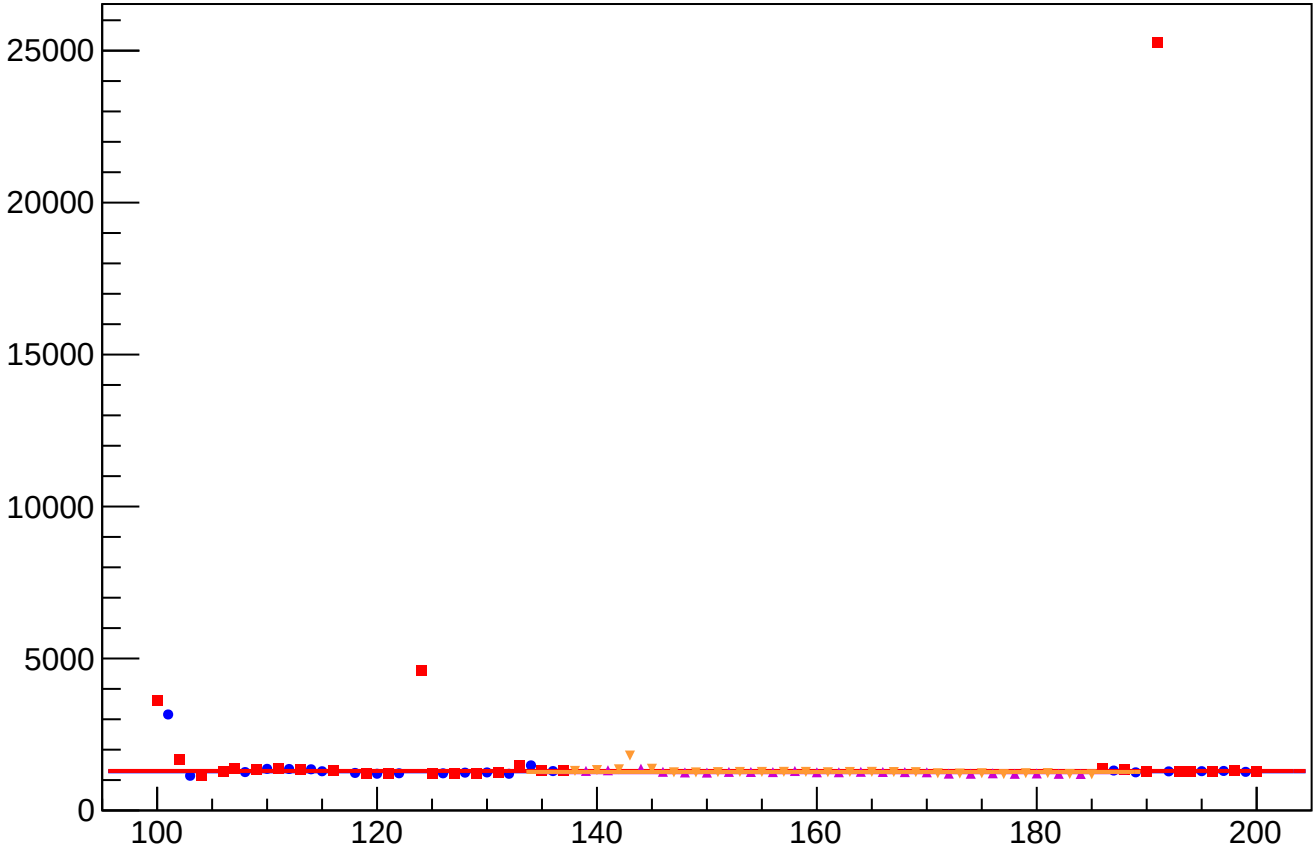
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

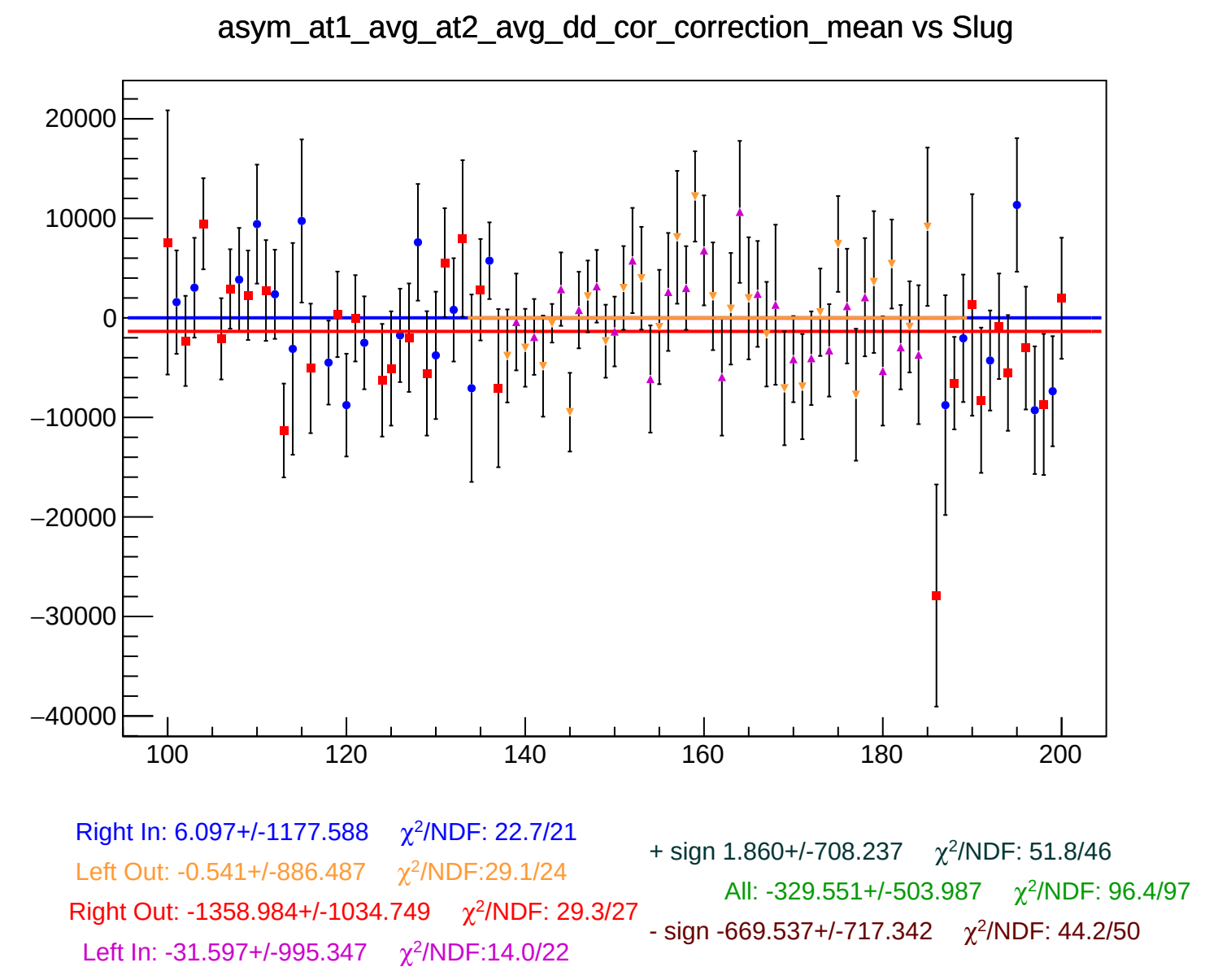
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

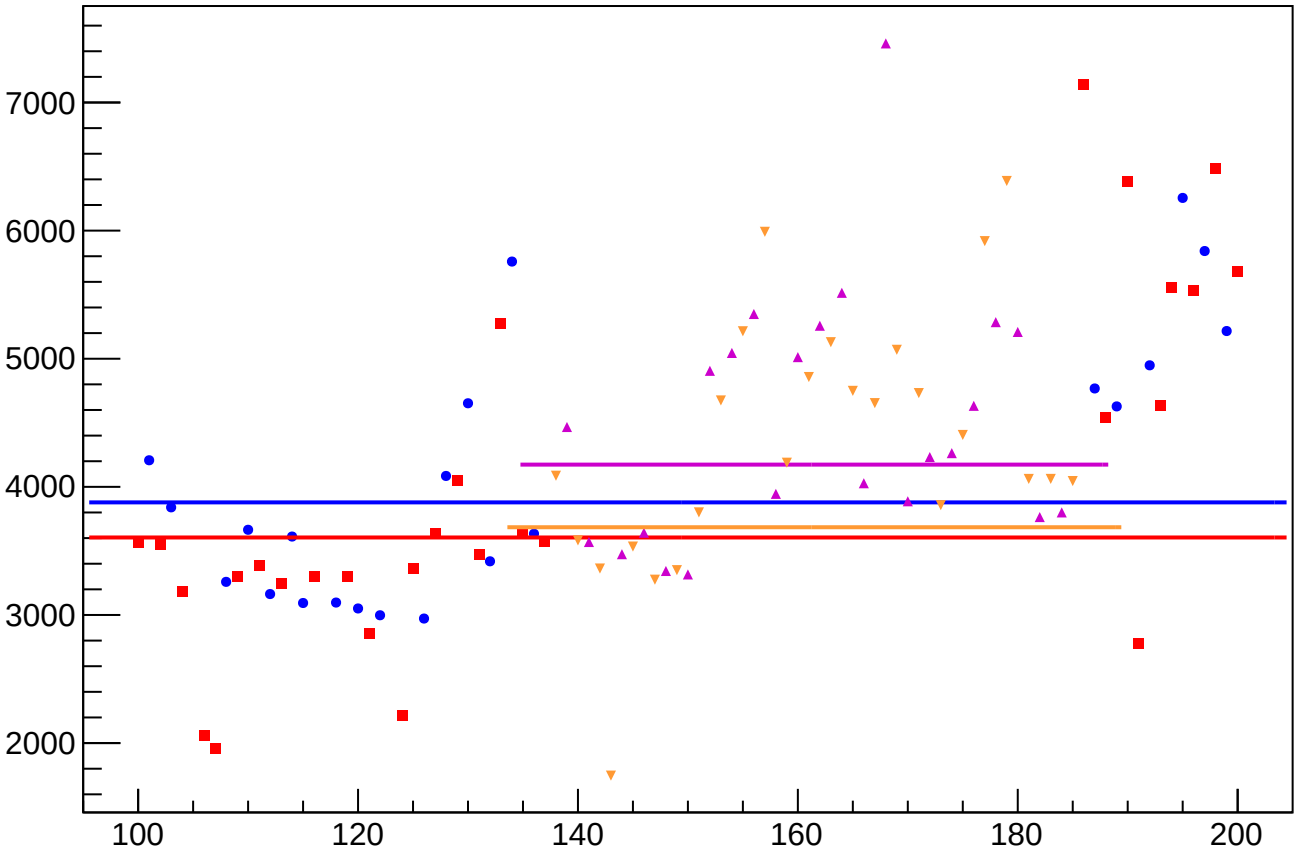
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 6.097+/-1177.588 χ²/NDF: 22.7/21
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 1.860+/-708.237 χ²/NDF: 51.8/46
All: -329.551+/-503.987 χ²/NDF: 96.4/97
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

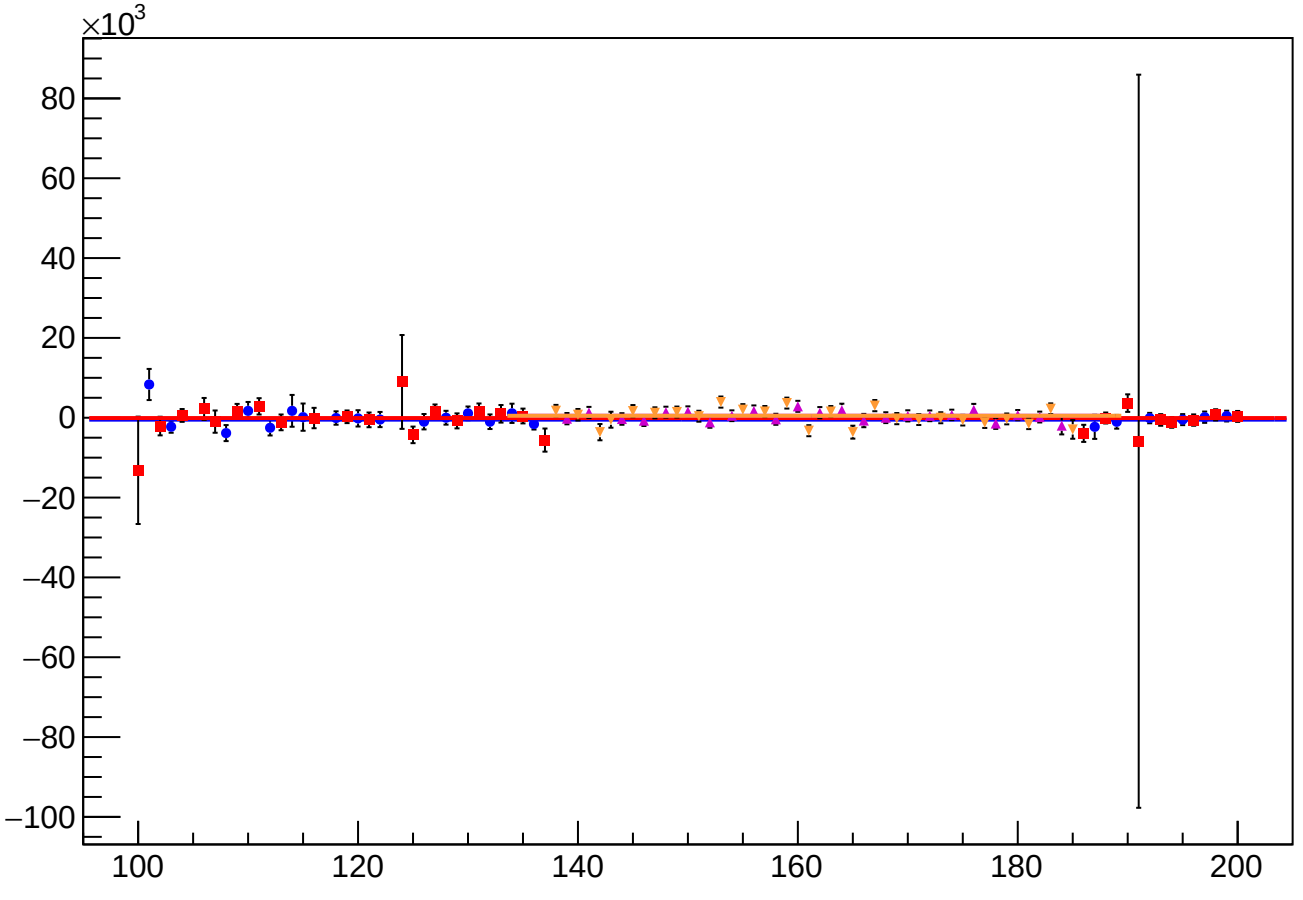
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

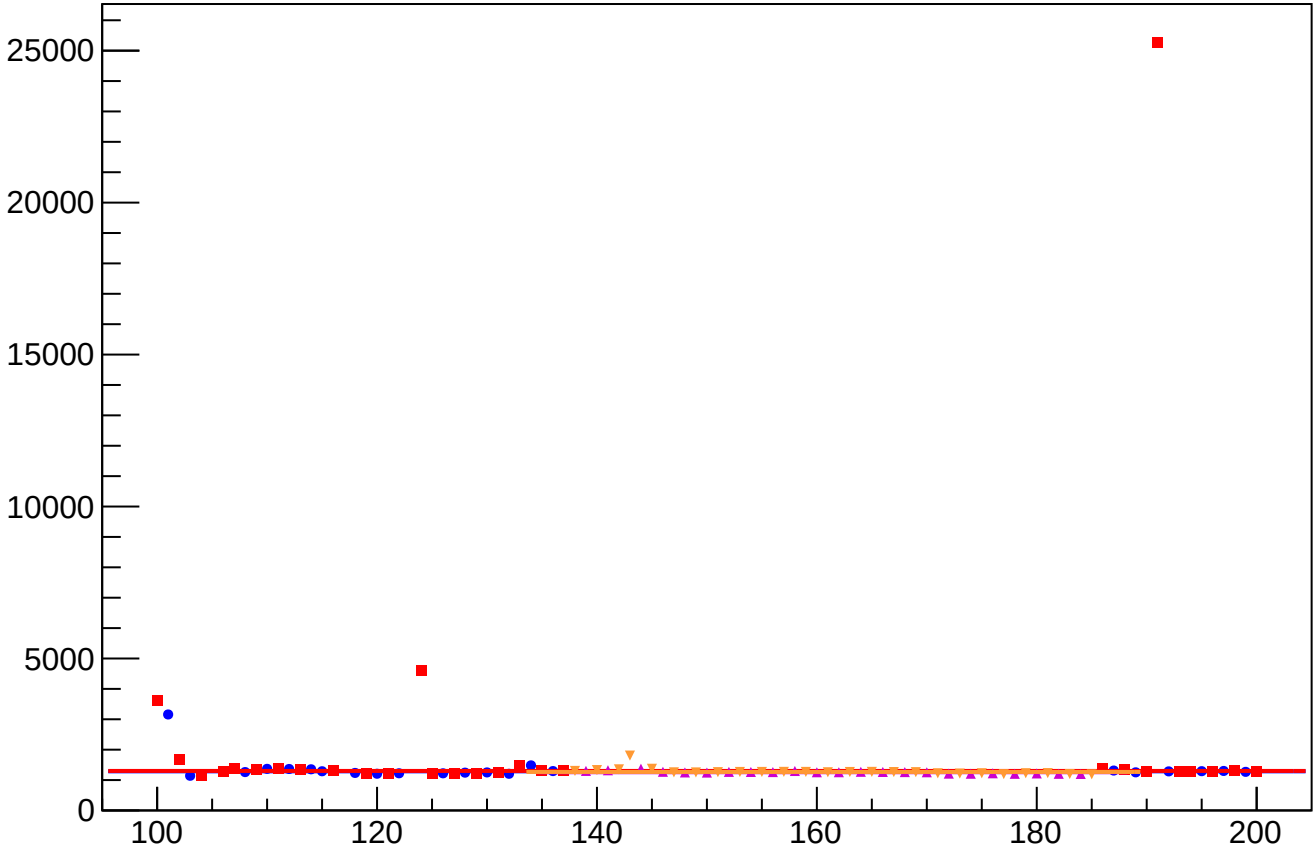
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

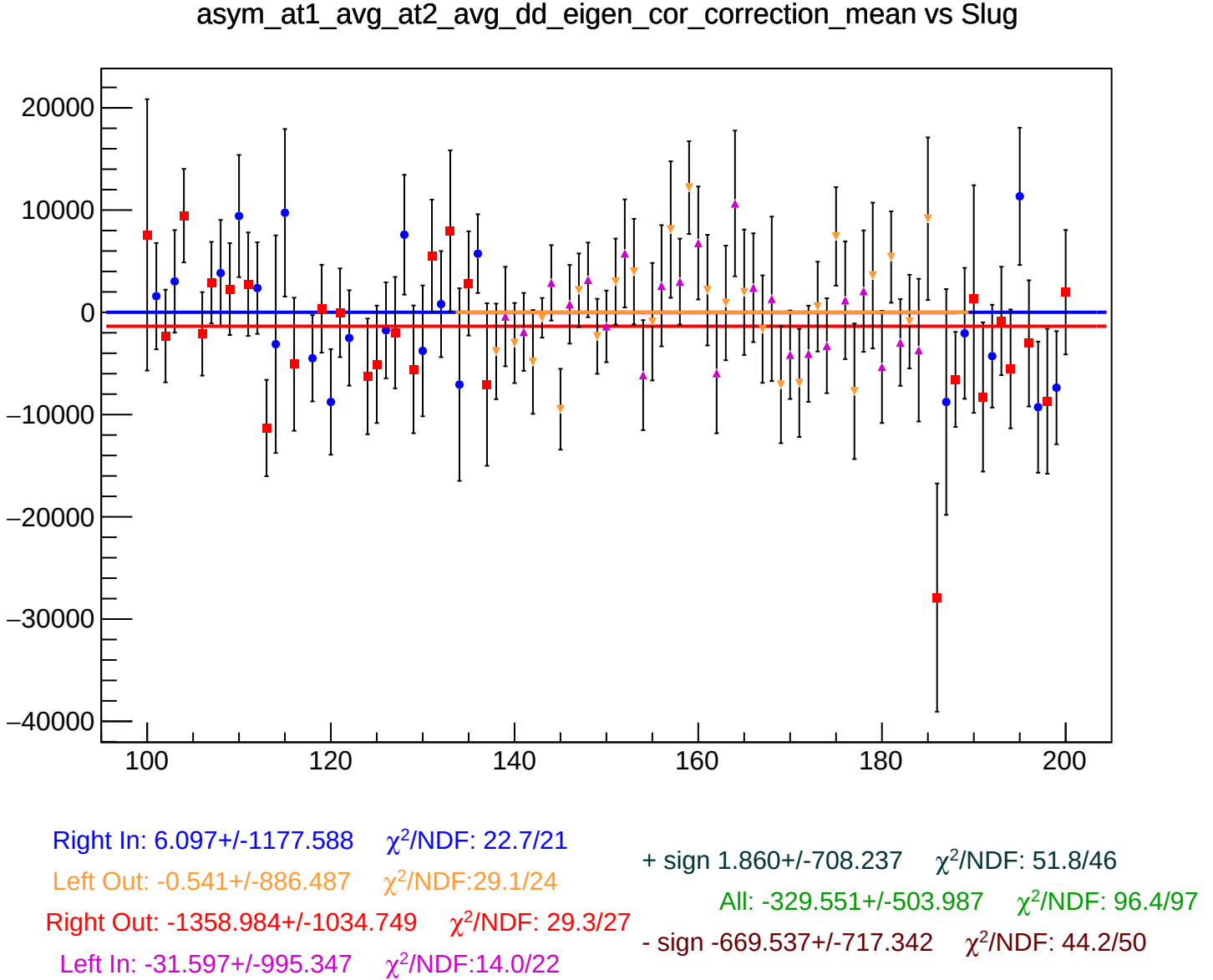
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

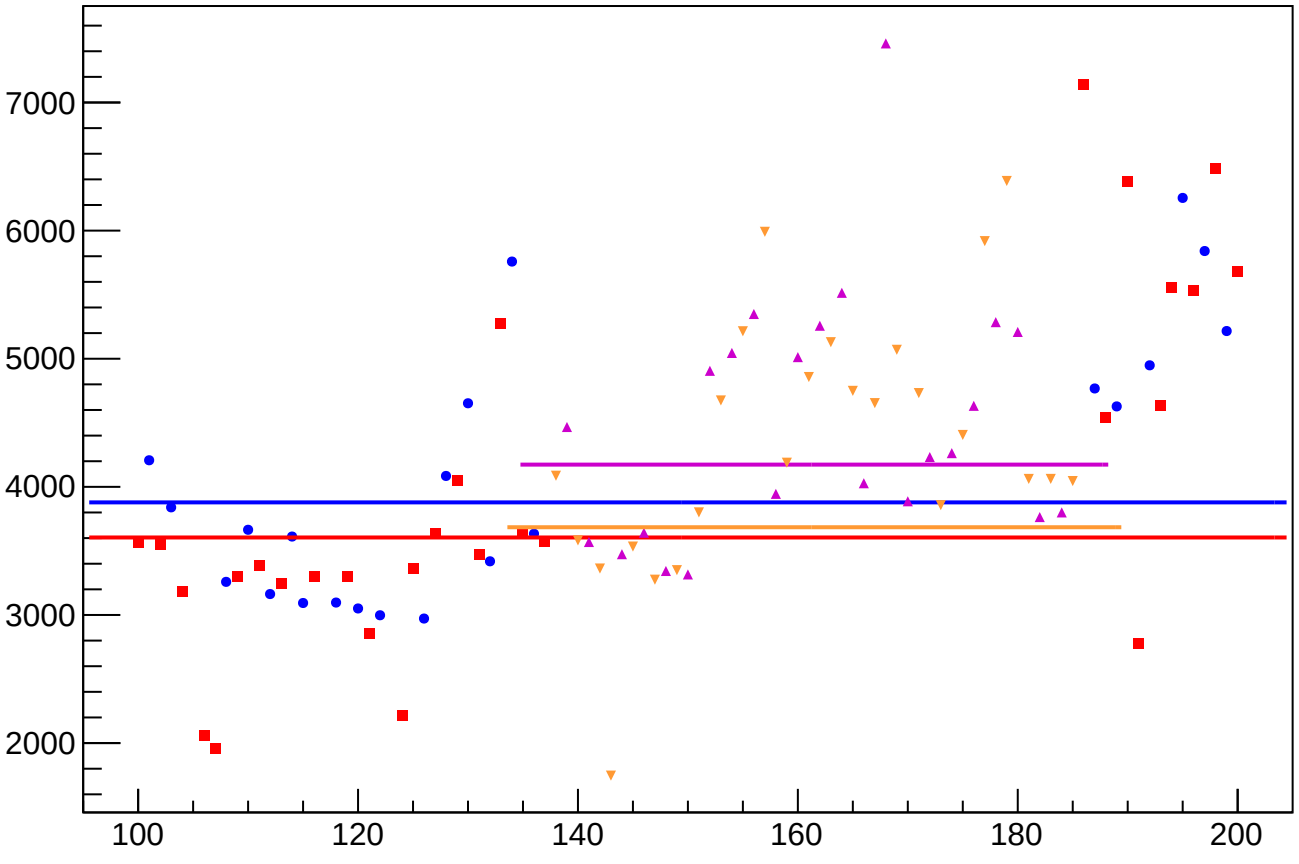
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 6.097+/-1177.588 χ²/NDF: 22.7/21
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 1.860+/-708.237 χ²/NDF: 51.8/46
All: -329.551+/-503.987 χ²/NDF: 96.4/97
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

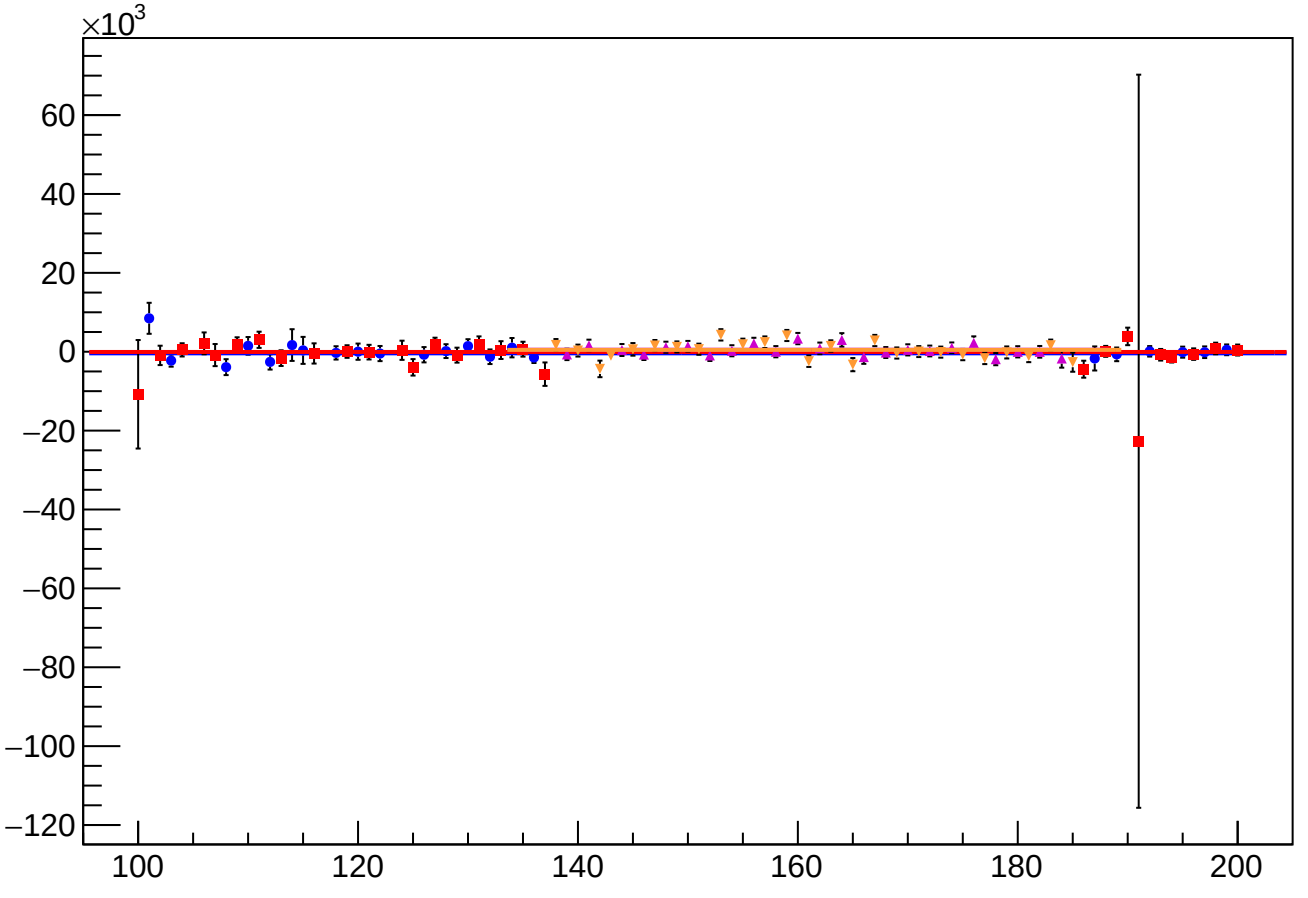
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.926+/-361.960 χ^2/NDF: 24.1/27

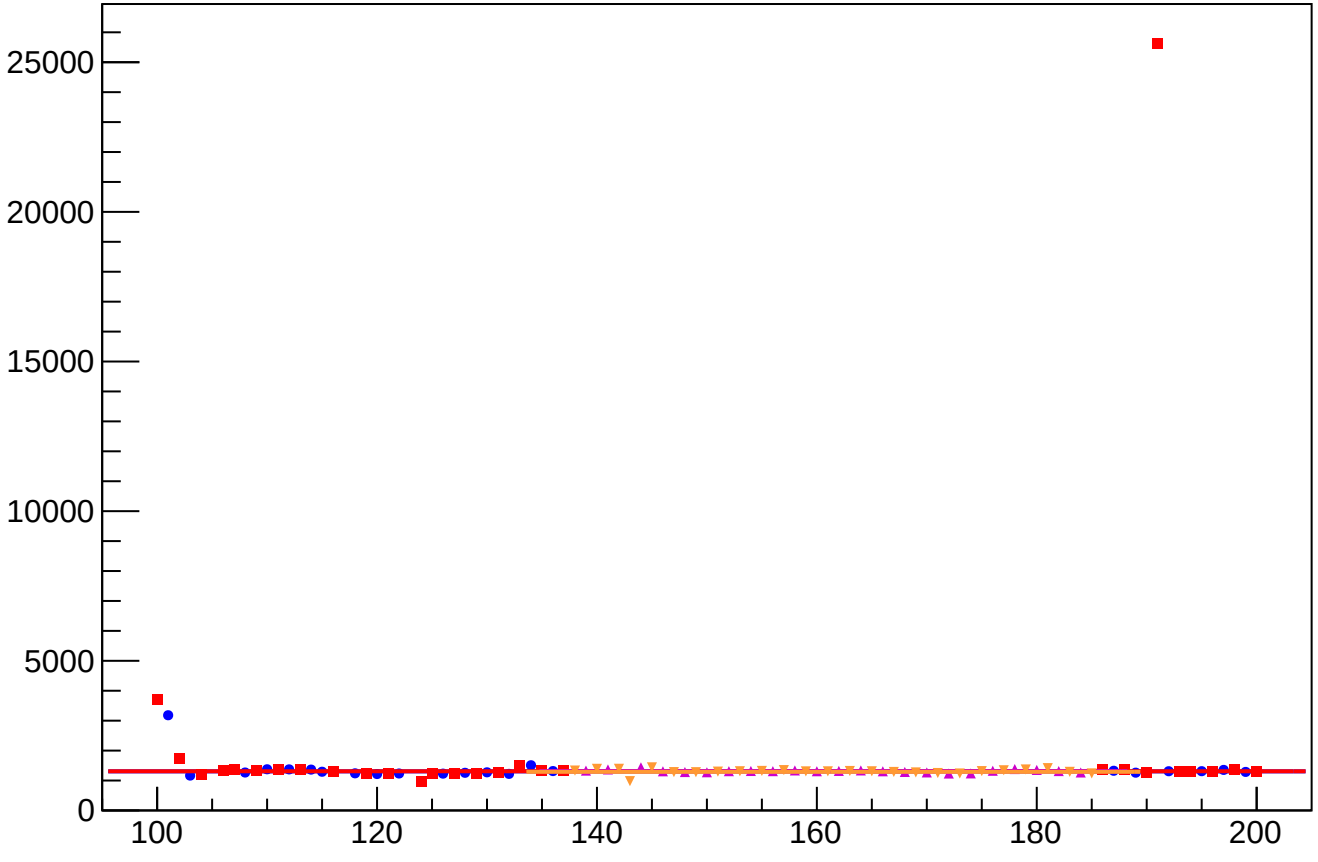
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 209.246+/-165.761 χ^2/NDF: 105.5/97

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

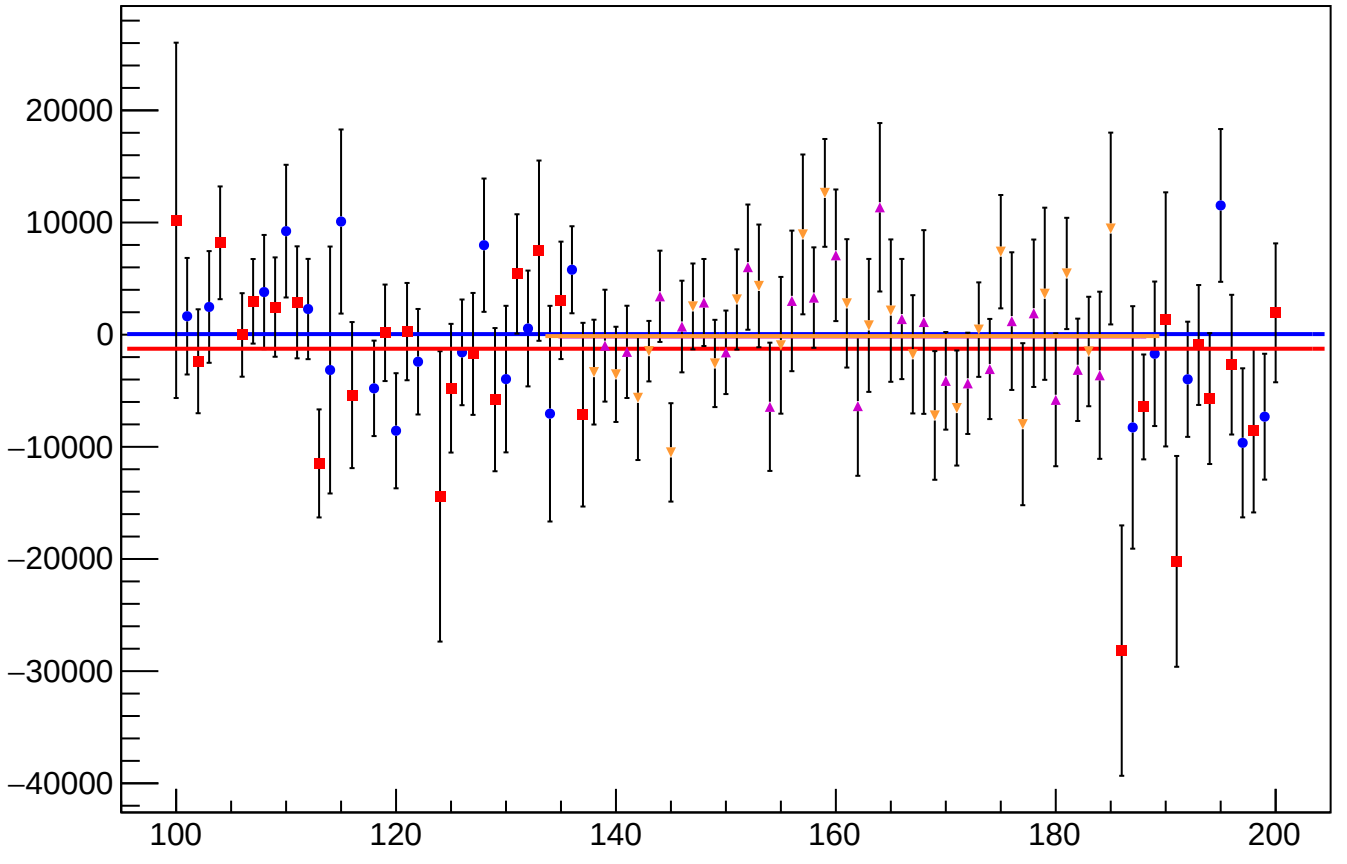
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1253.721+/-1052.769 χ^2/NDF: 30.9/27

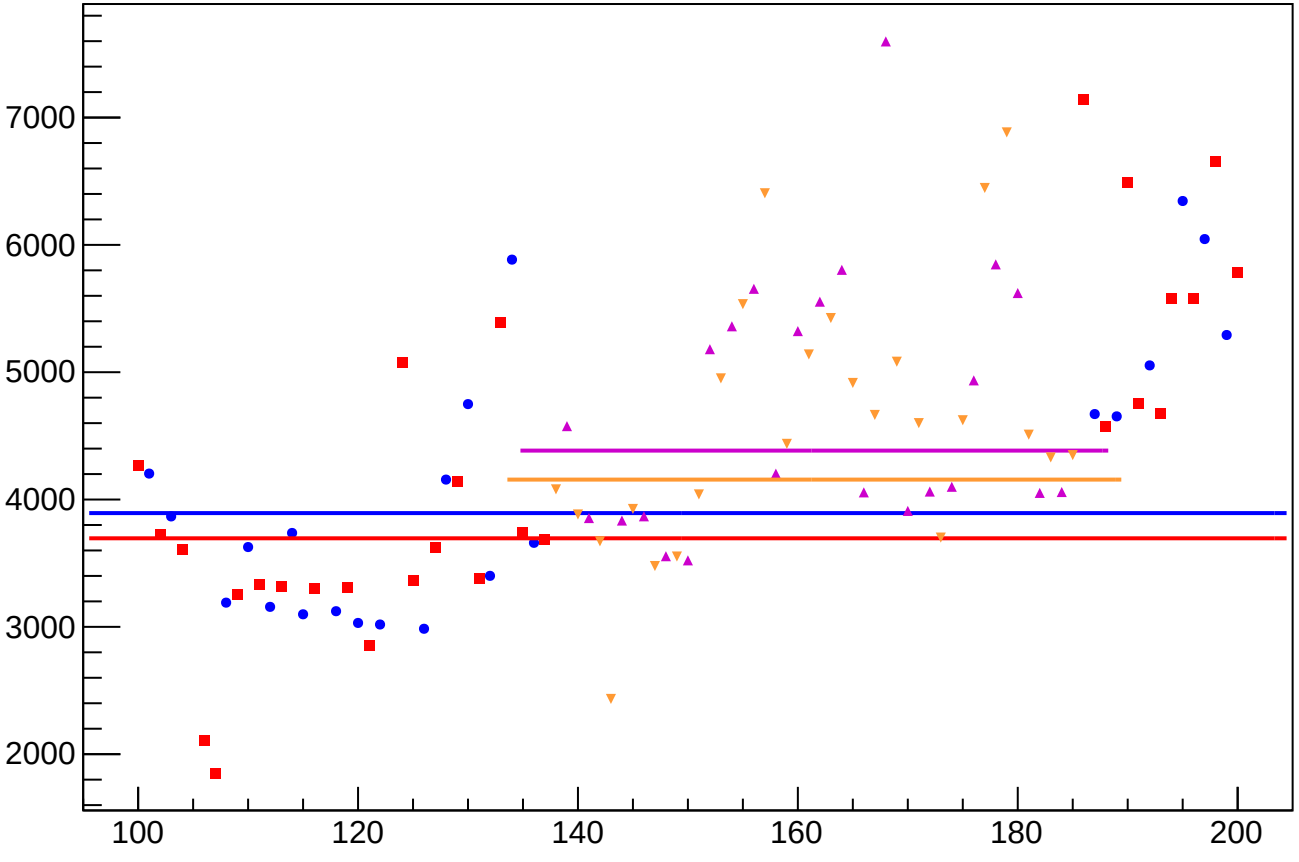
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

- sign -702.801+/-741.840 χ^2/NDF: 45.3/50

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

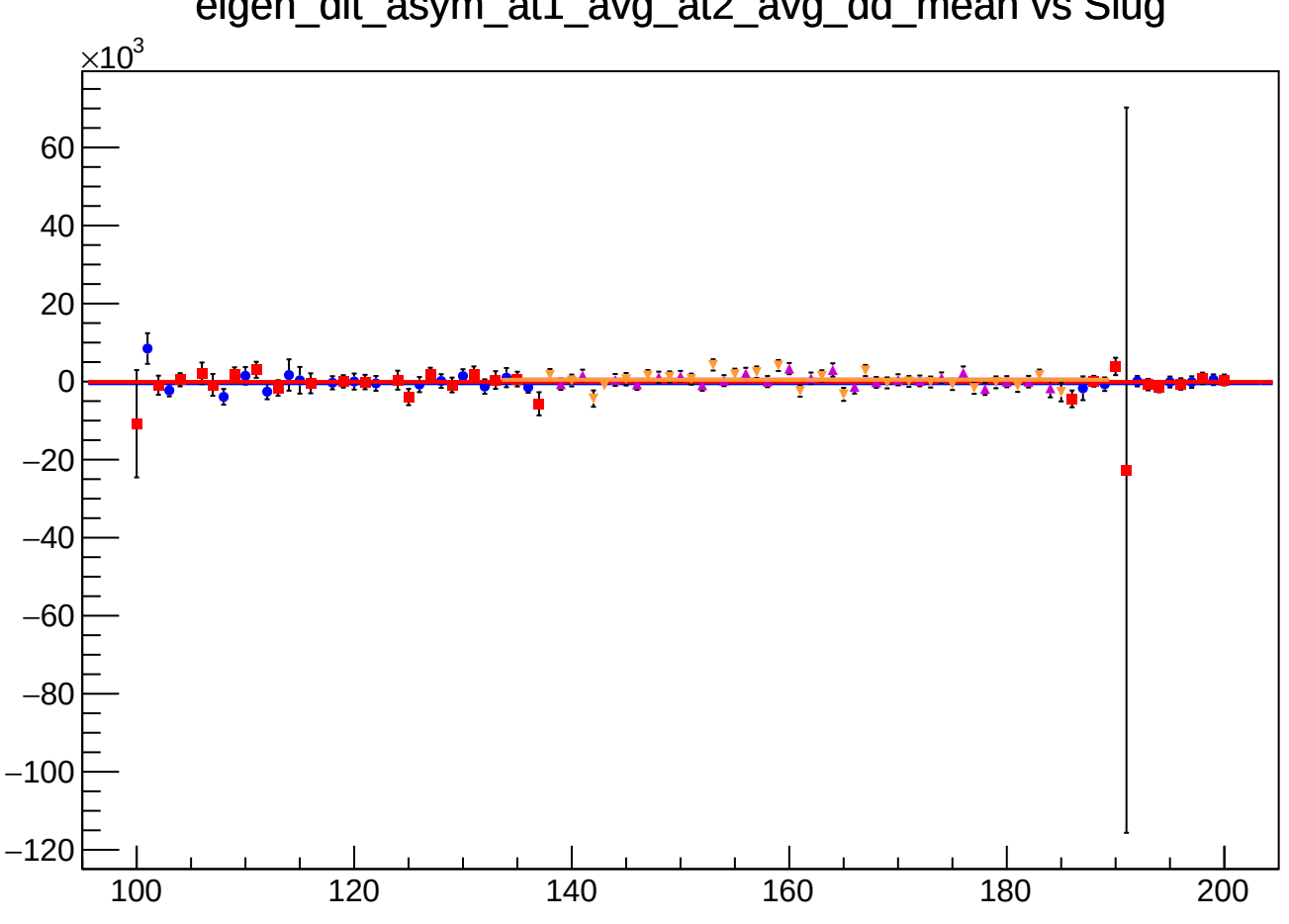
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.922+/-361.960 χ^2/NDF: 24.1/27

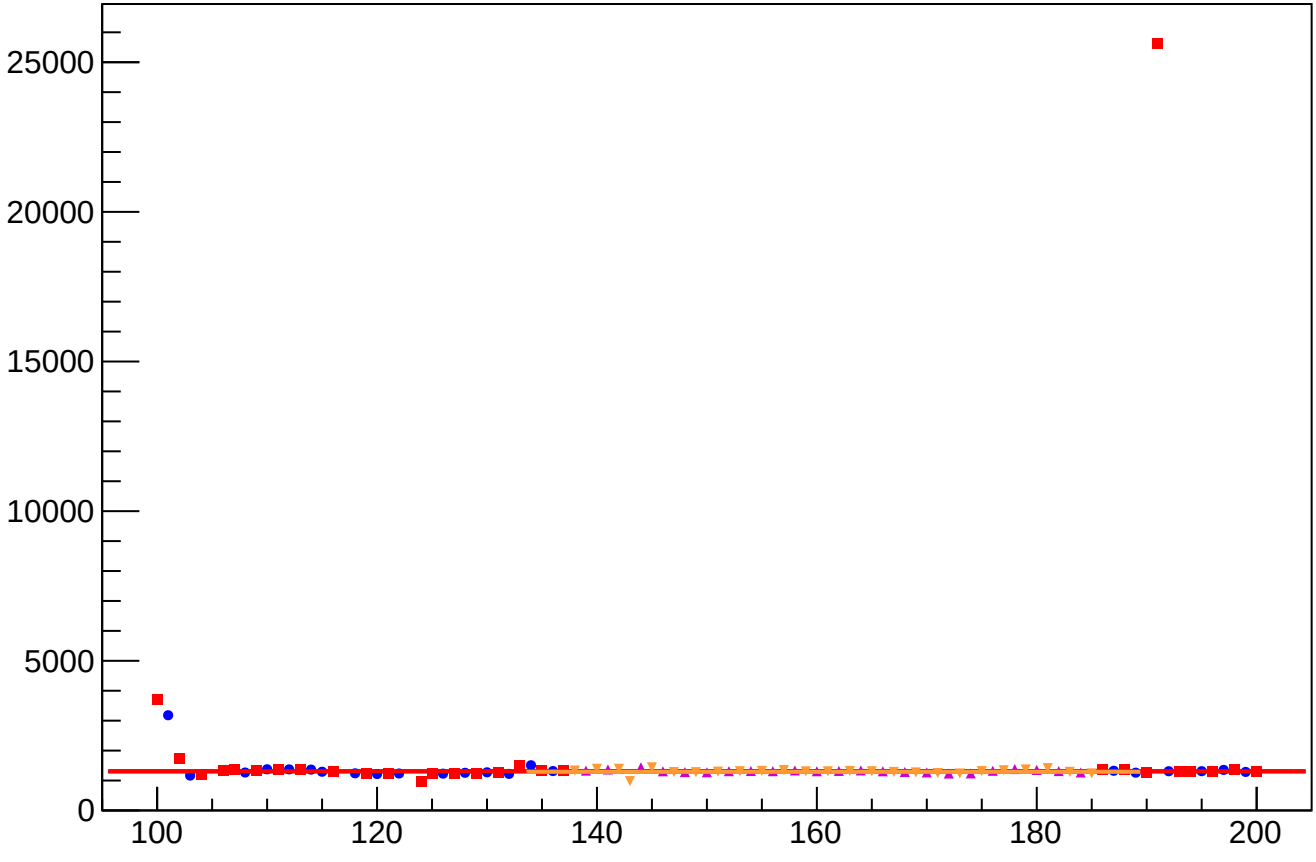
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 209.248+/-165.761 χ^2/NDF: 105.5/97

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

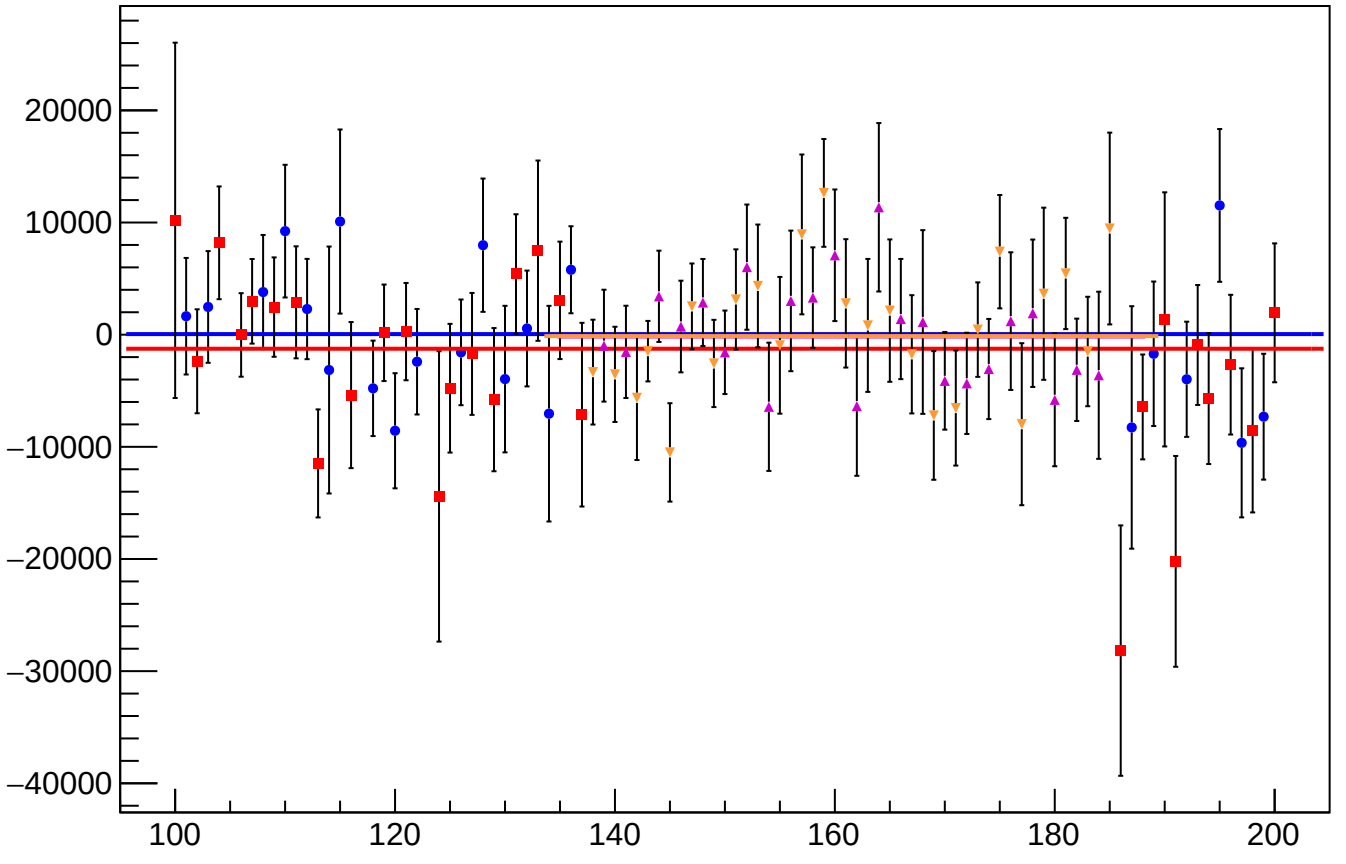
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

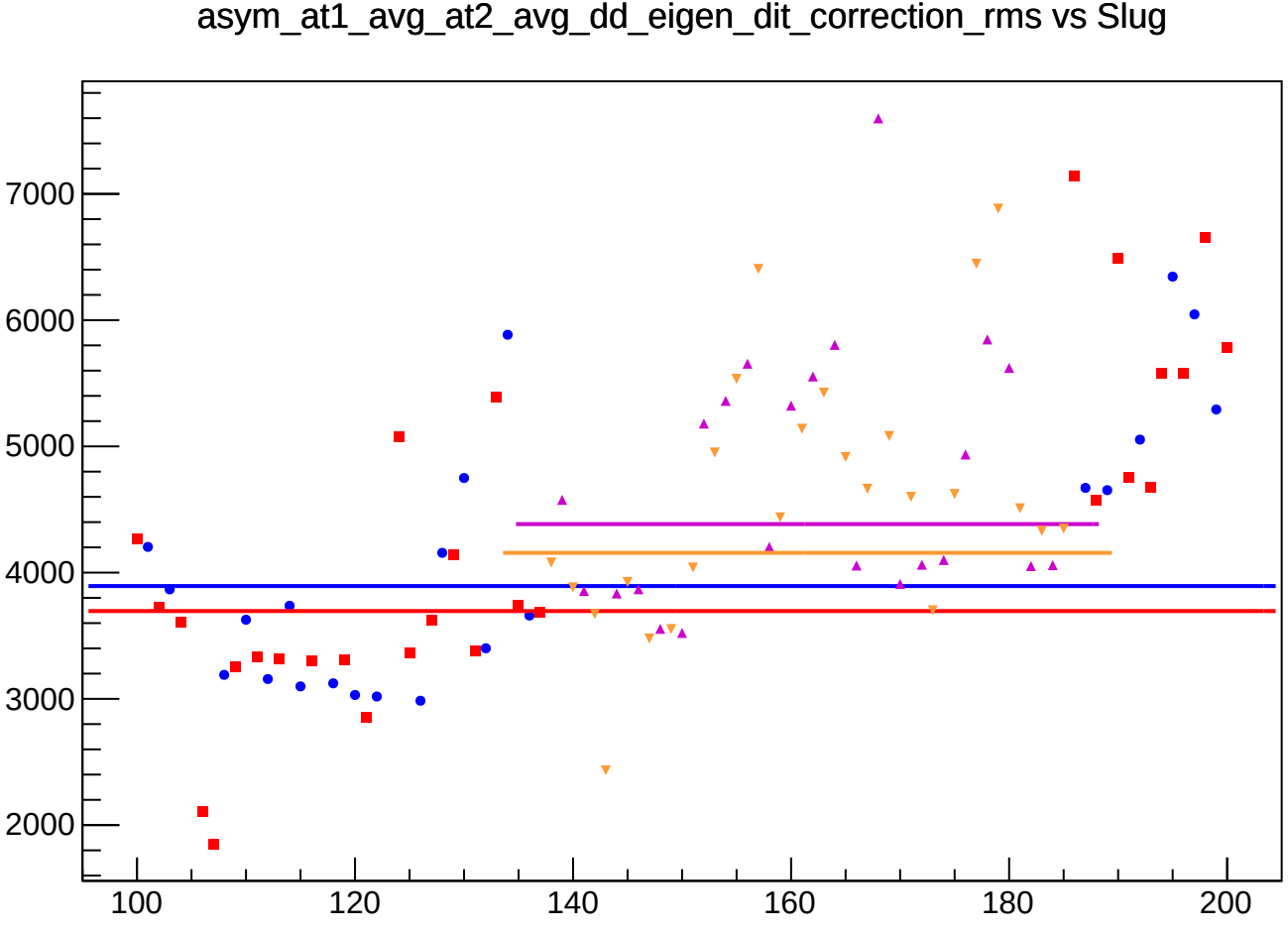
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

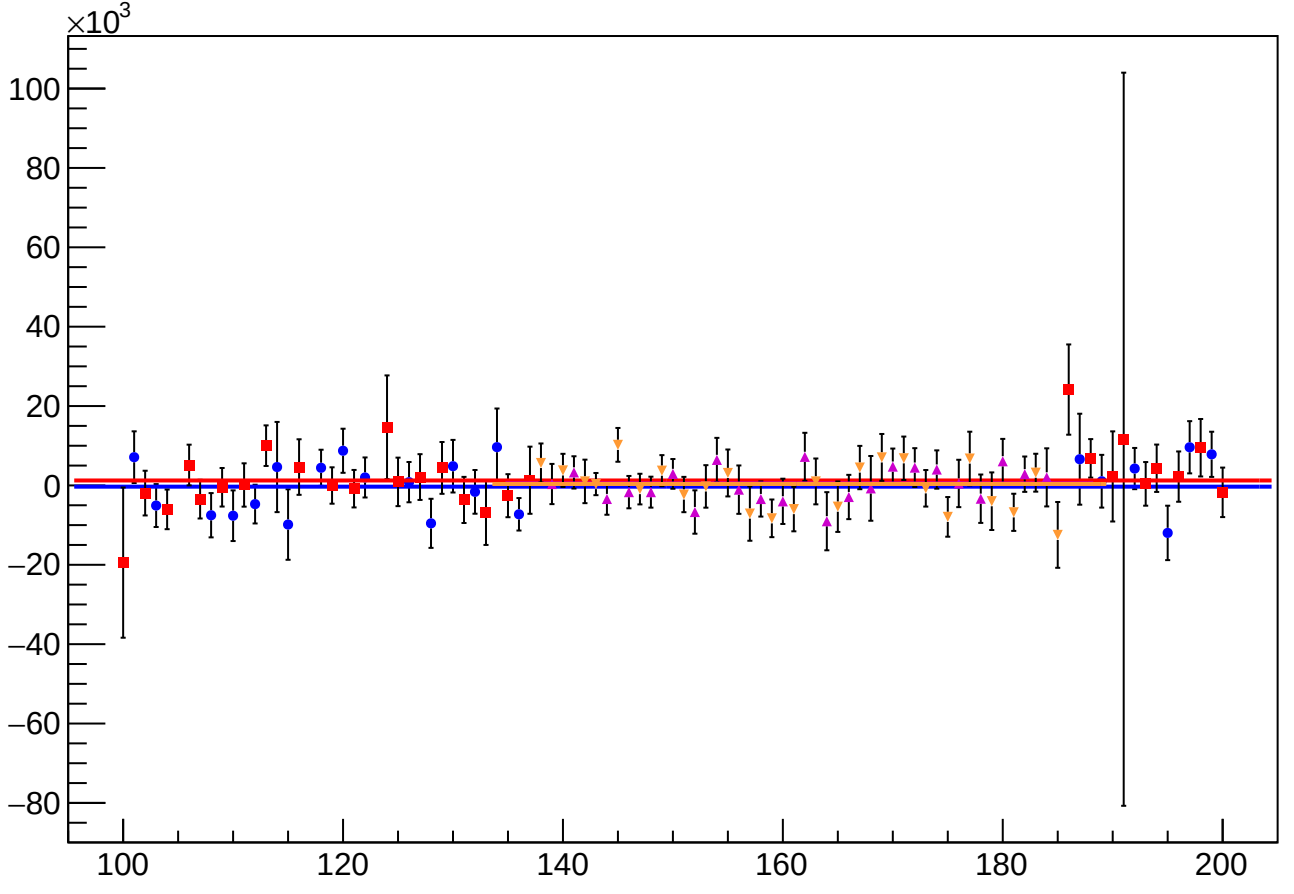
+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

- sign -702.799+/-741.840 χ^2/NDF: 45.3/50


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3893.463+/-0.837 χ²/NDF: 1271176.6/21
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3695.485+/-0.744 χ²/NDF: 2545757.0/27
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4049.905+/-0.533 χ²/NDF: 3410733.9/46
All: 4046.038+/-0.374 χ²/NDF: 7643162.4/97
- sign 4042.289+/-0.525 χ²/NDF: 4232324.8/50

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

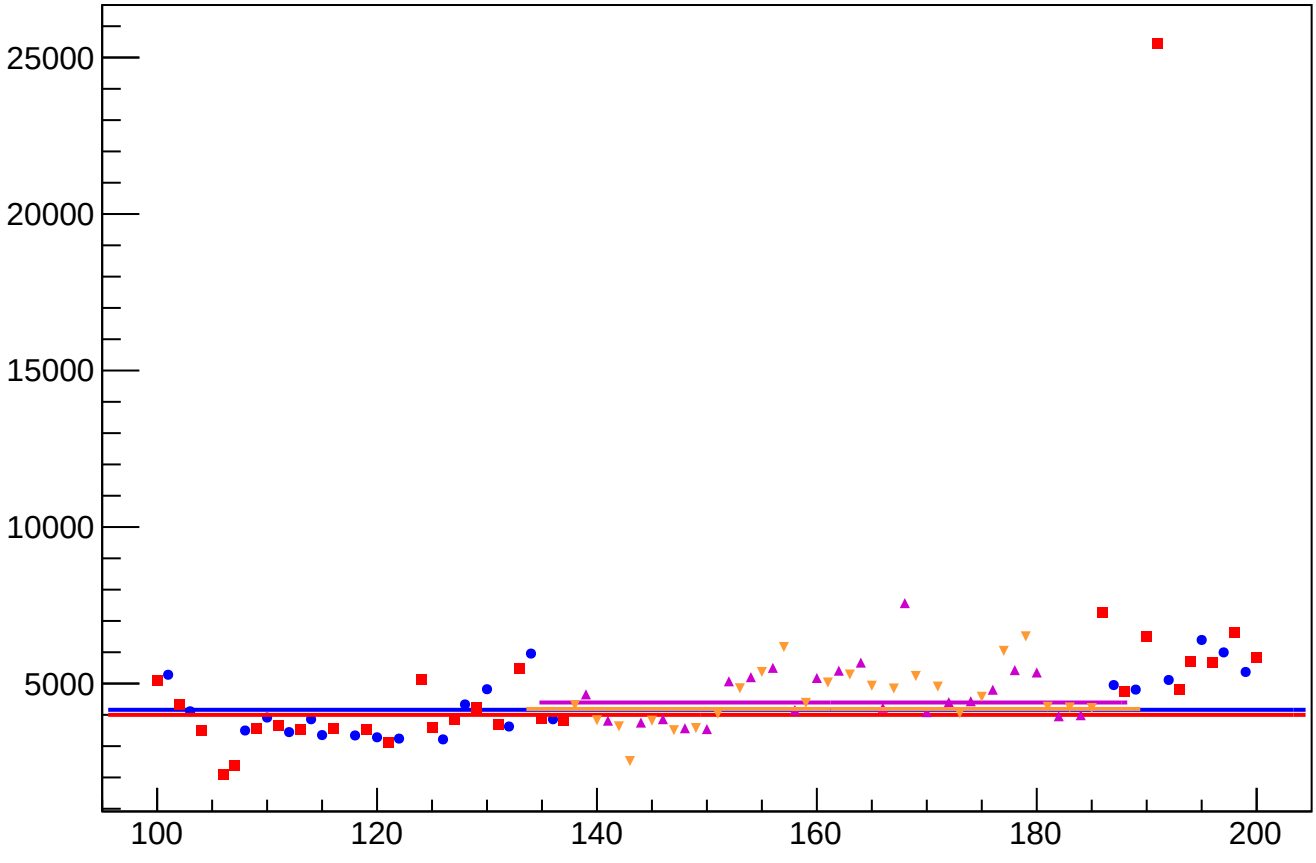
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 470.347+/-547.396 χ^2/NDF: 88.3/97

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

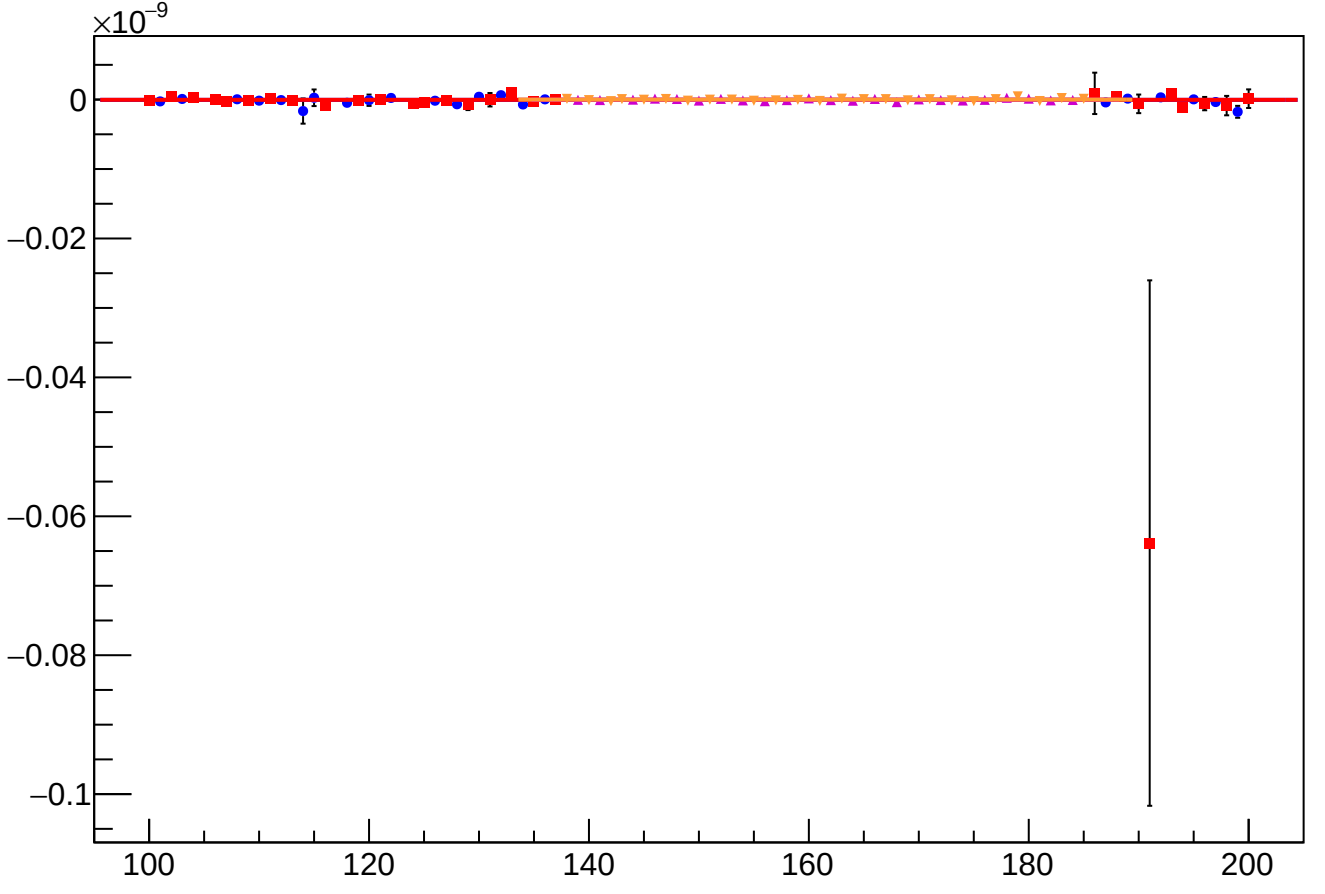
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4196.357+/-0.386 χ^2/NDF: 6183817.4/97

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

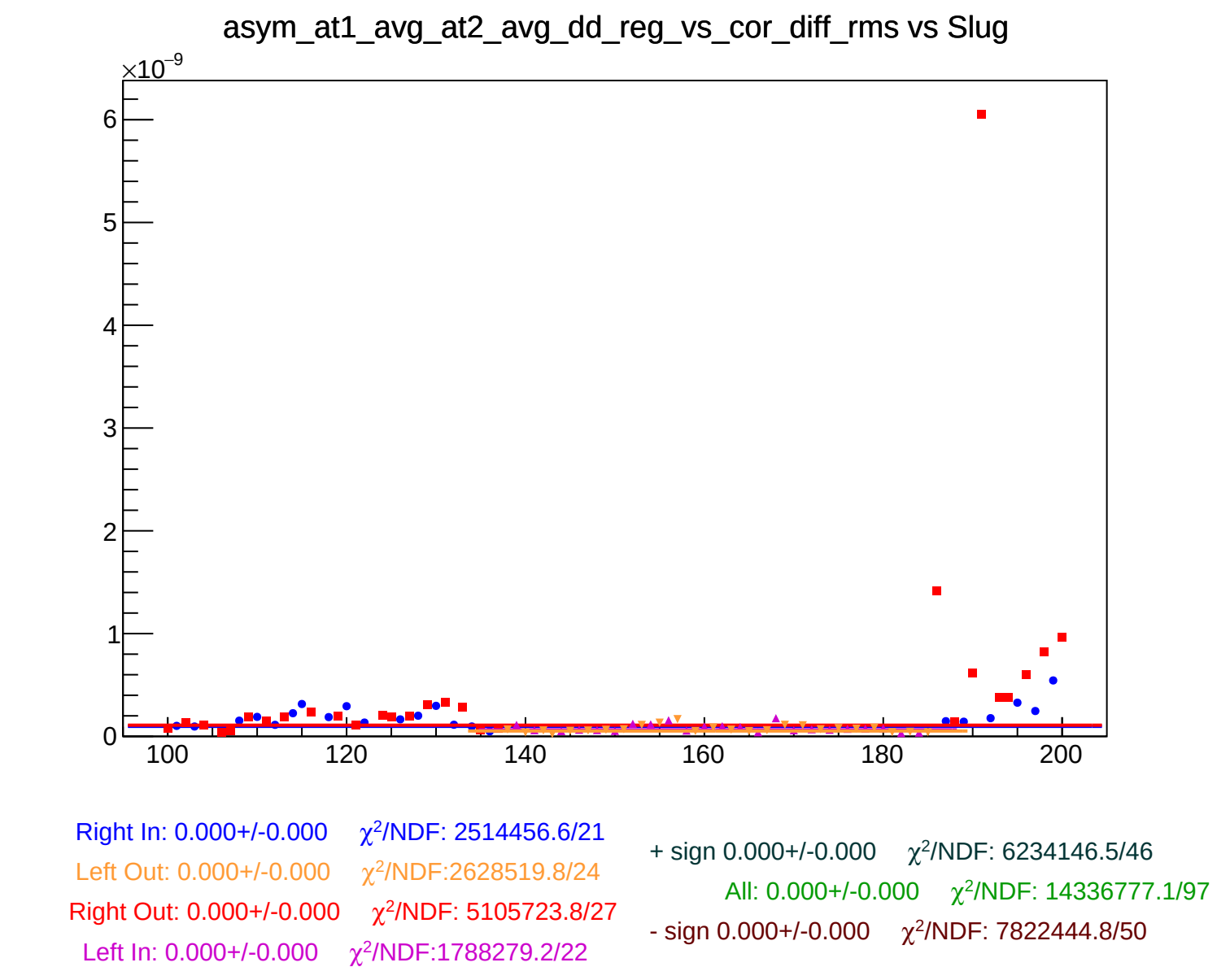
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

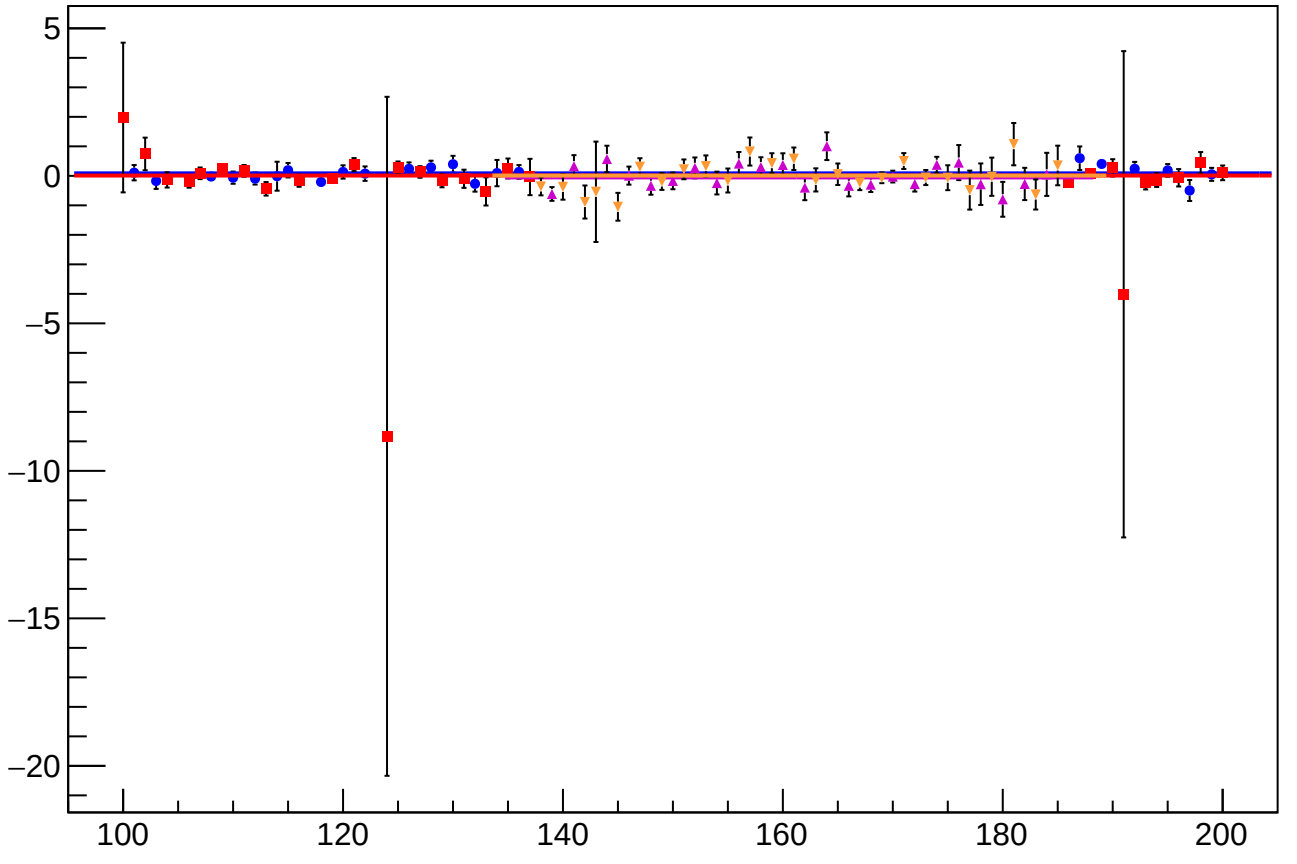
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/97

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5105723.8/27
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6234146.5/46
All: 0.000+/-0.000 χ²/NDF: 14336777.1/97
- sign 0.000+/-0.000 χ²/NDF: 7822444.8/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

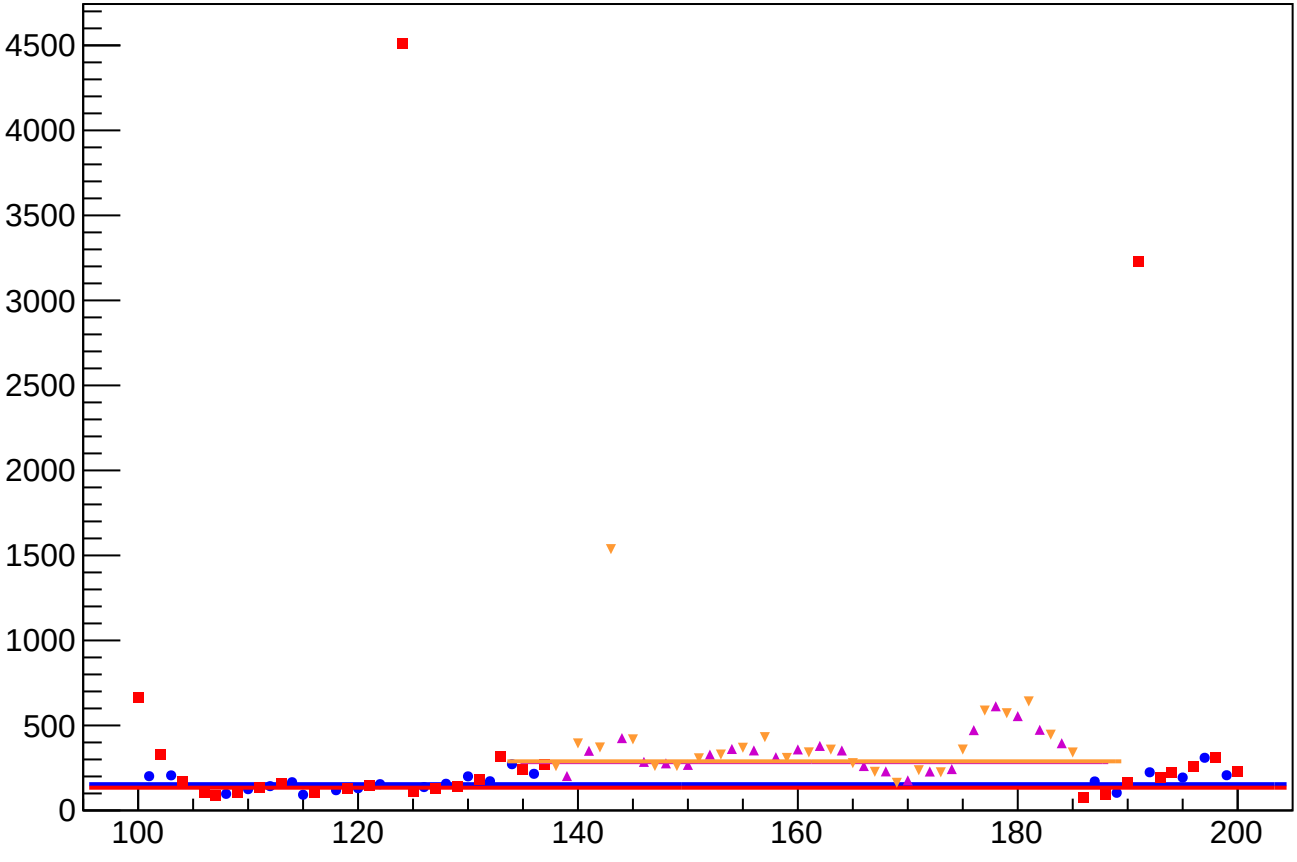
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

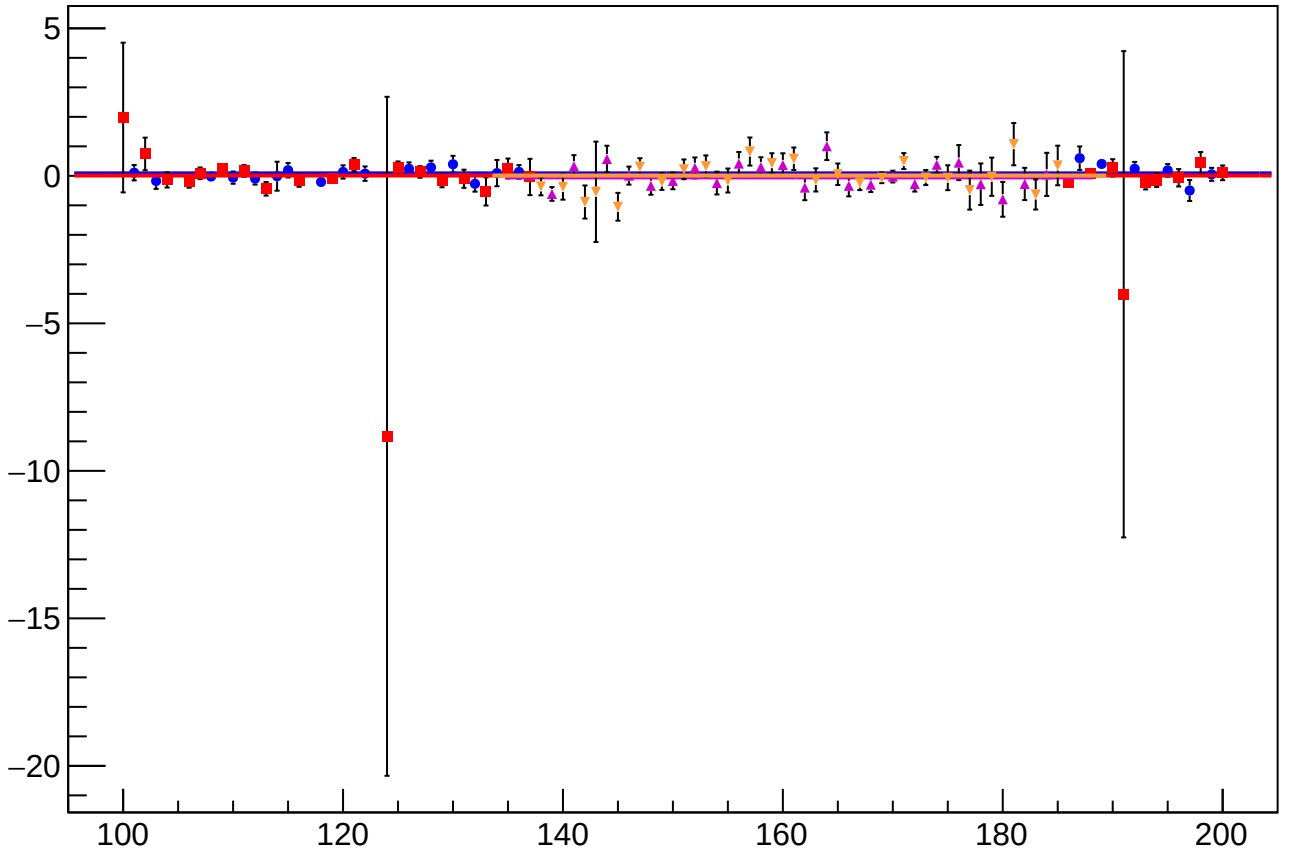
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

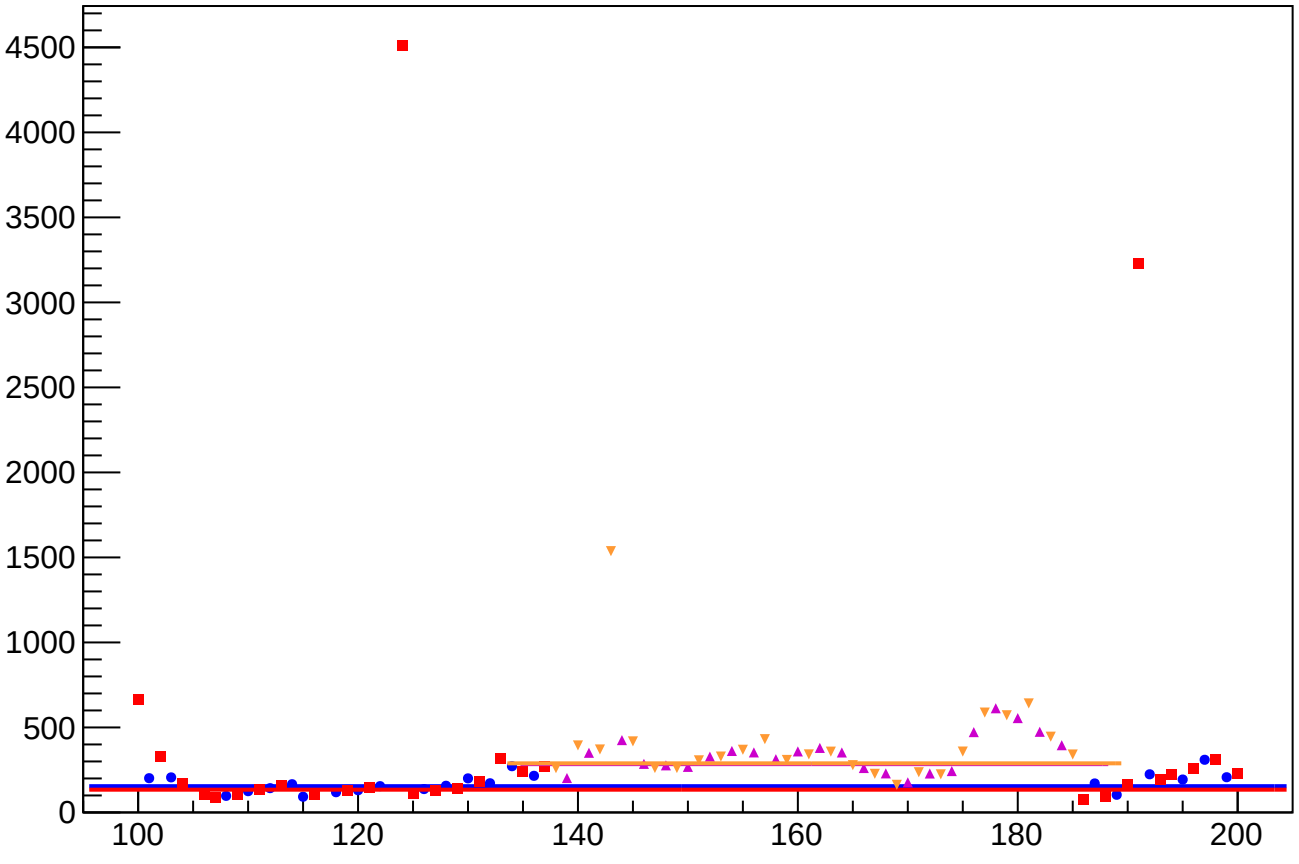
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

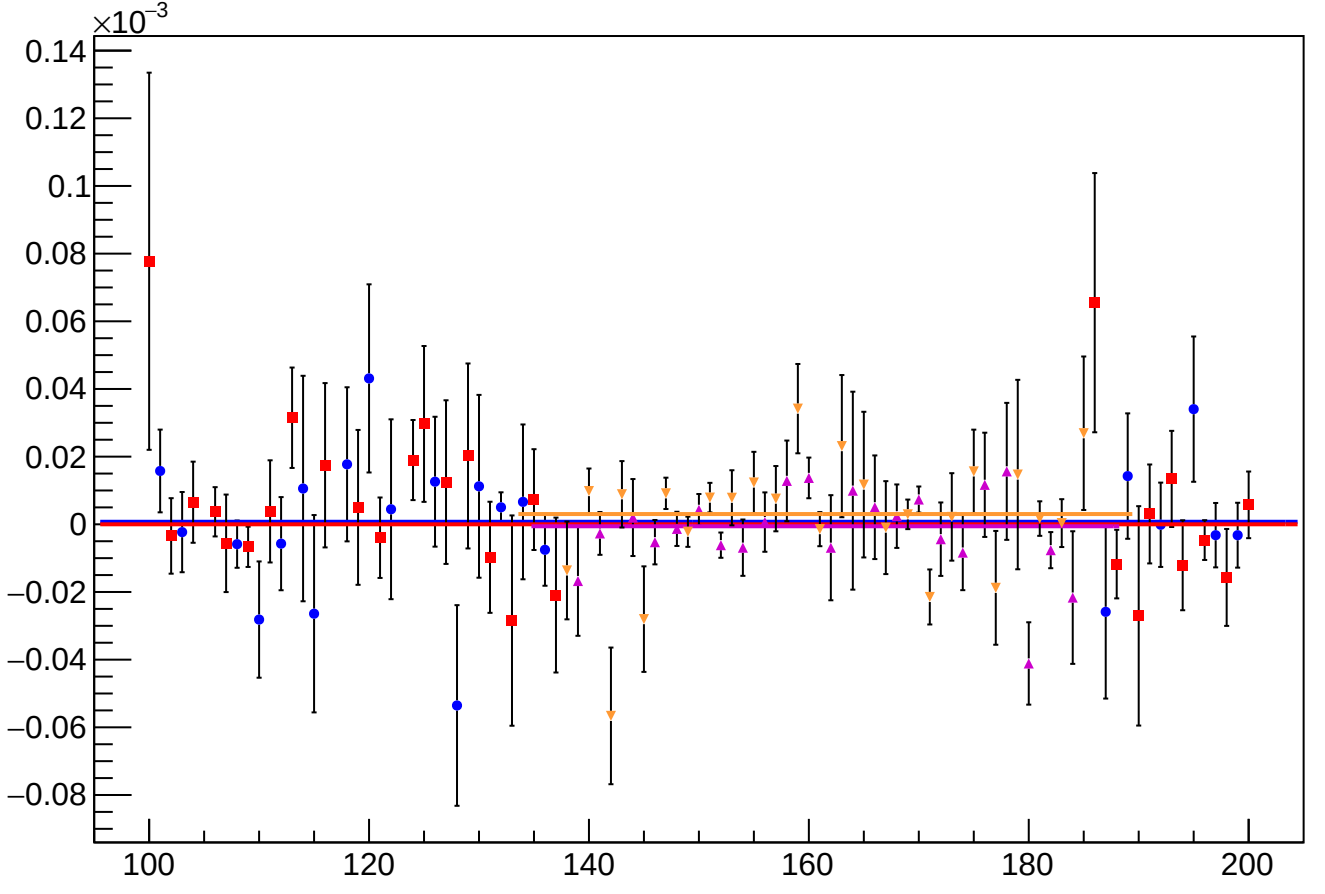
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

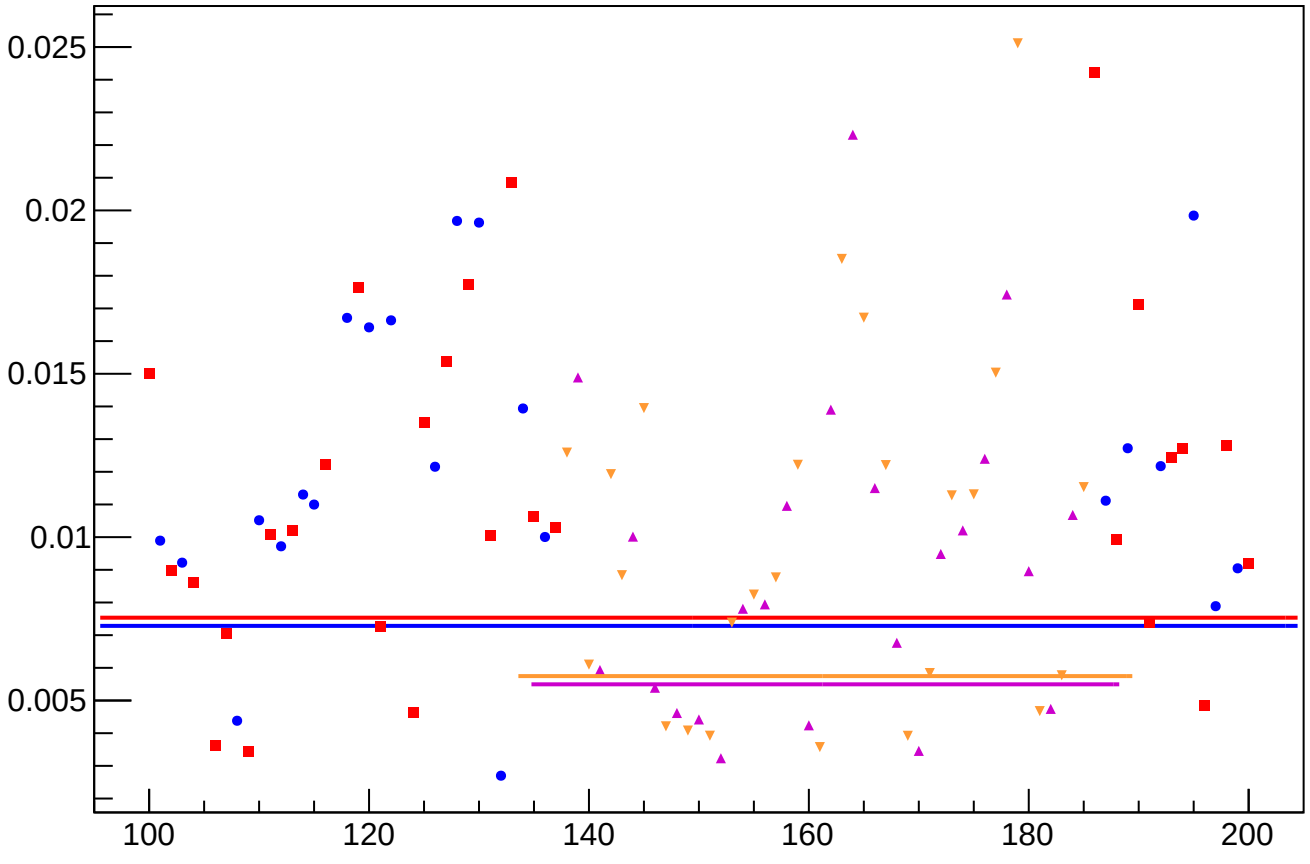
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/46

All: 0.000+/-0.000 χ^2/NDF: 123.2/97

- sign -0.000+/-0.000 χ^2/NDF: 58.7/50



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

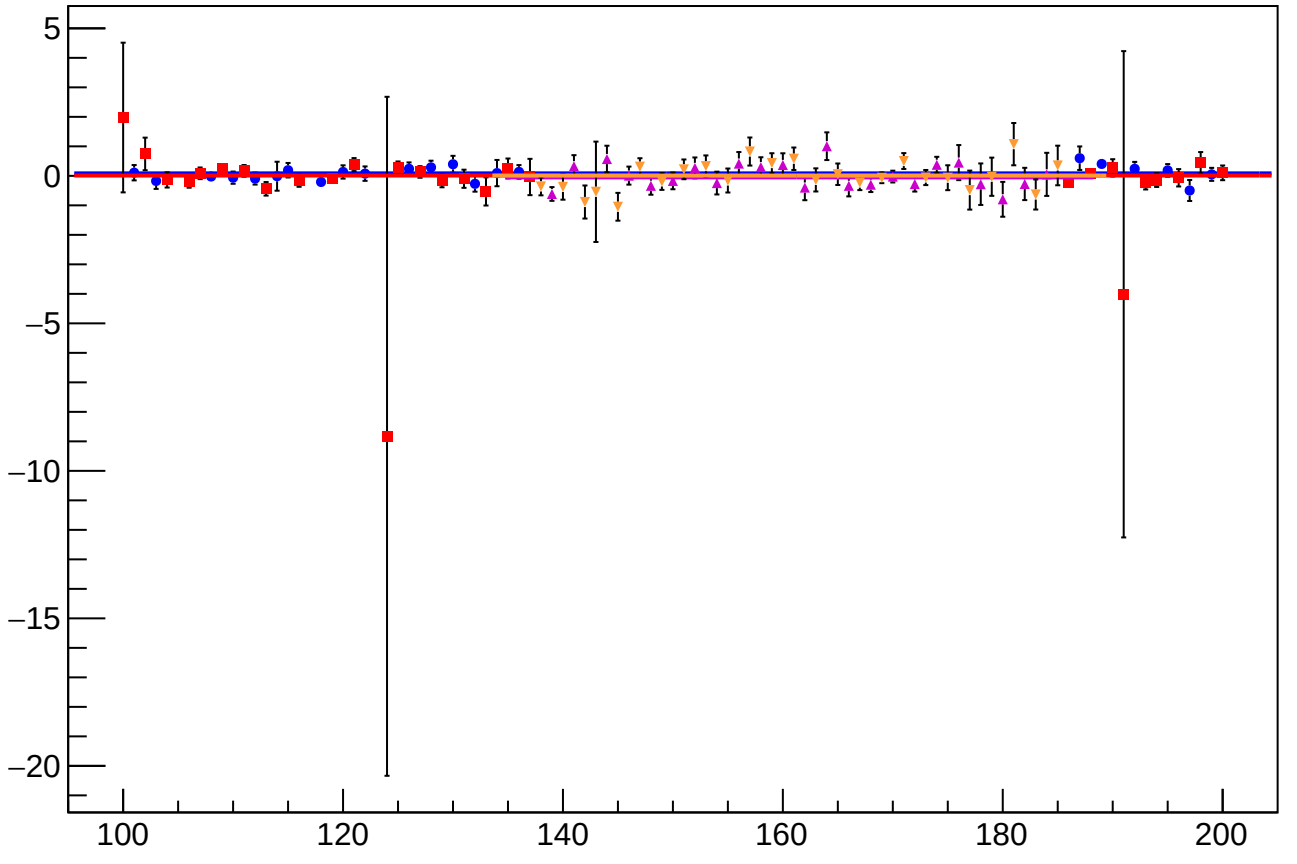
Right Out: 0.008+/-0.000 χ^2/NDF: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

\- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

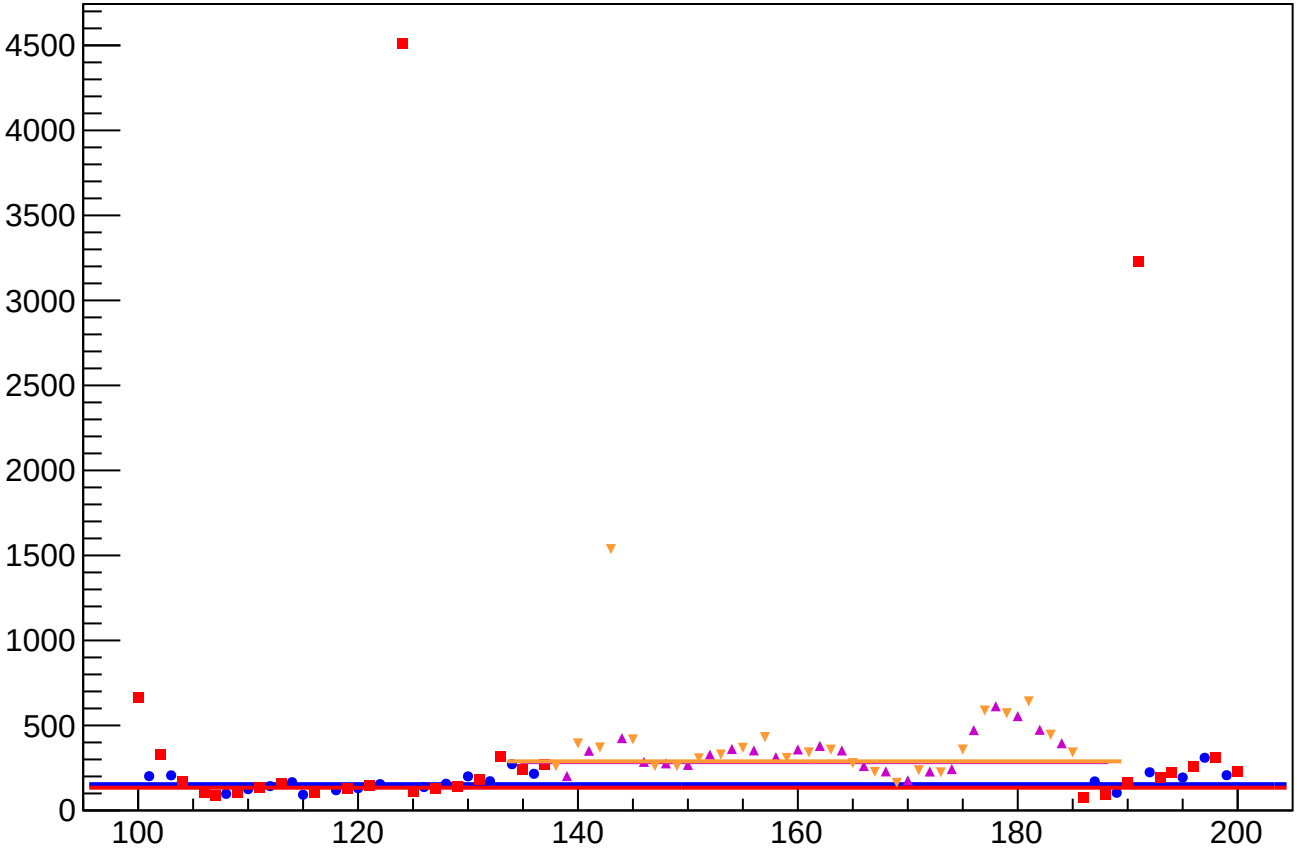
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

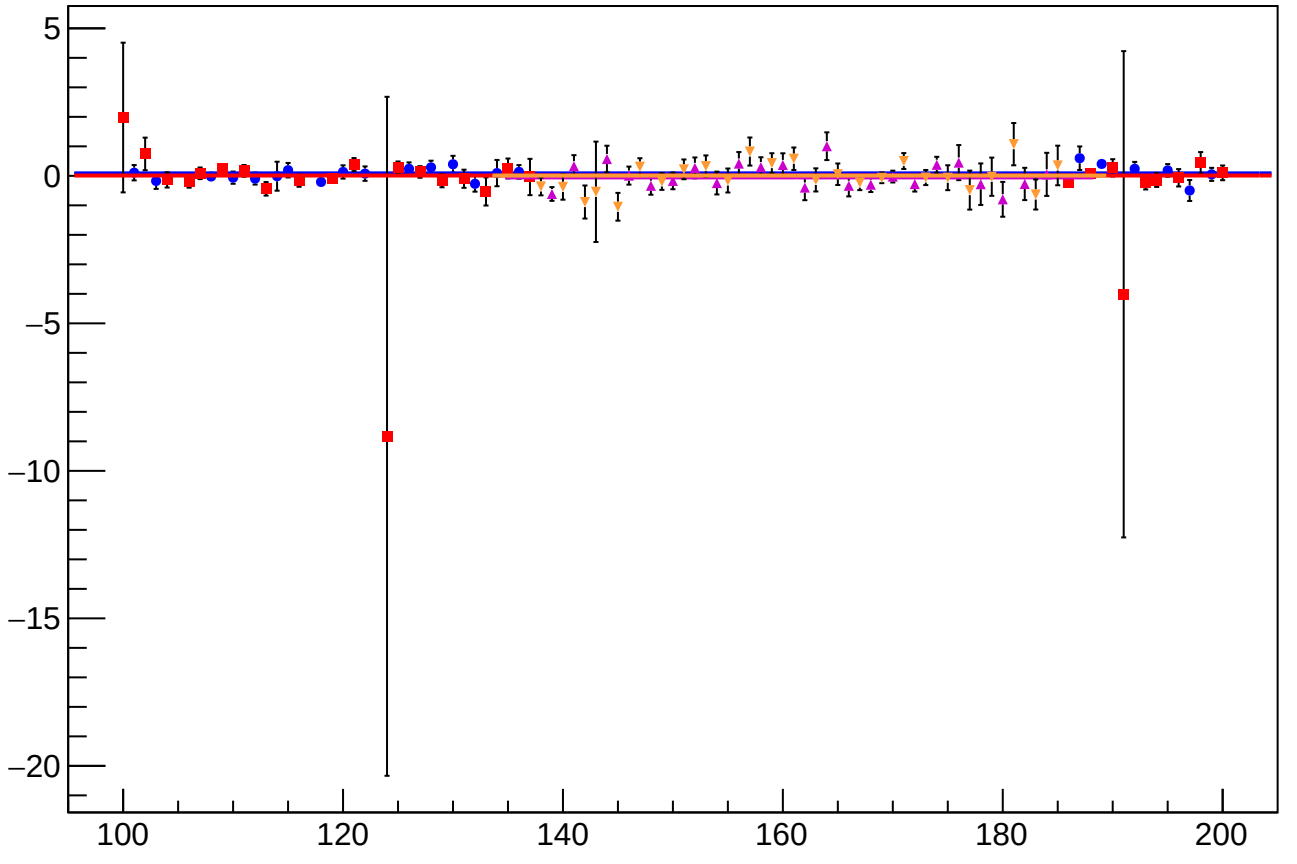
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

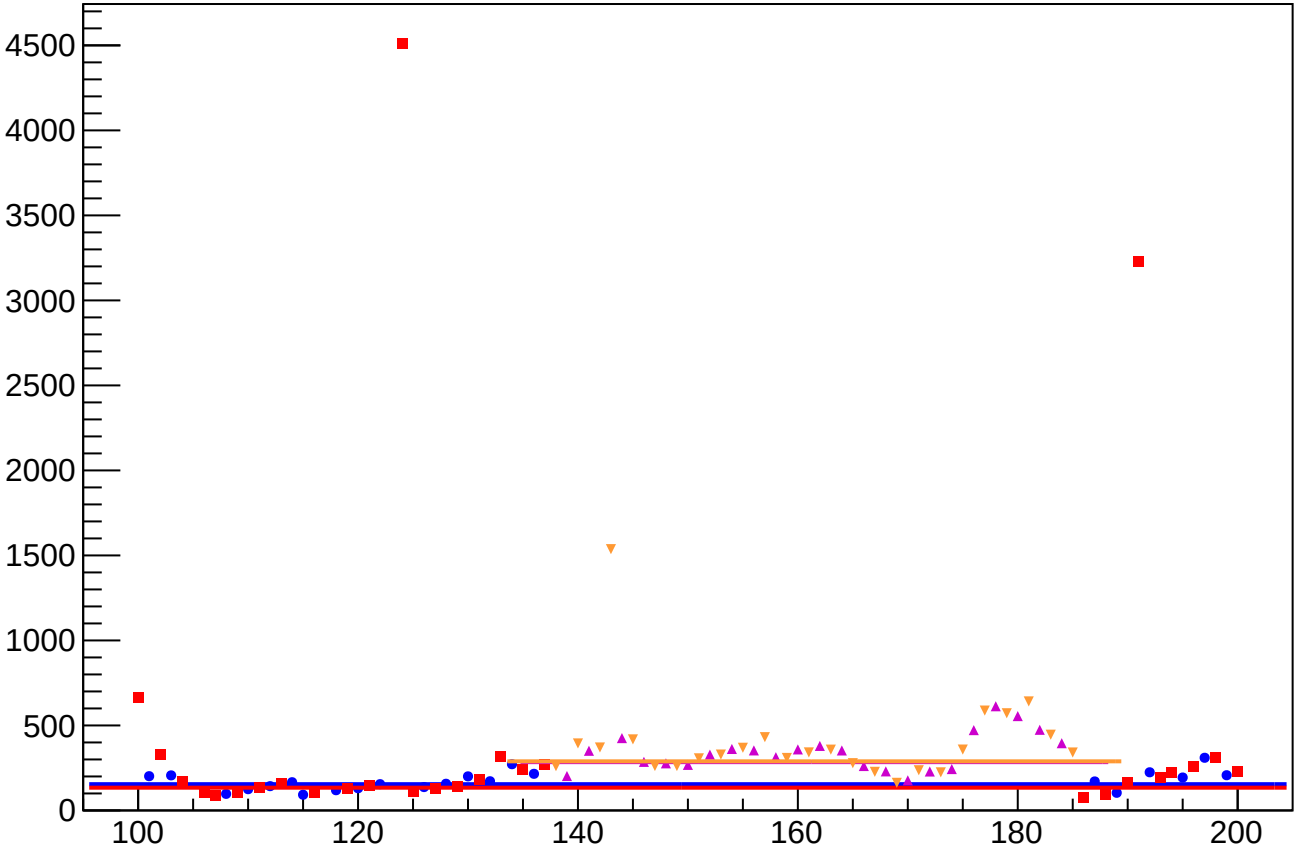
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

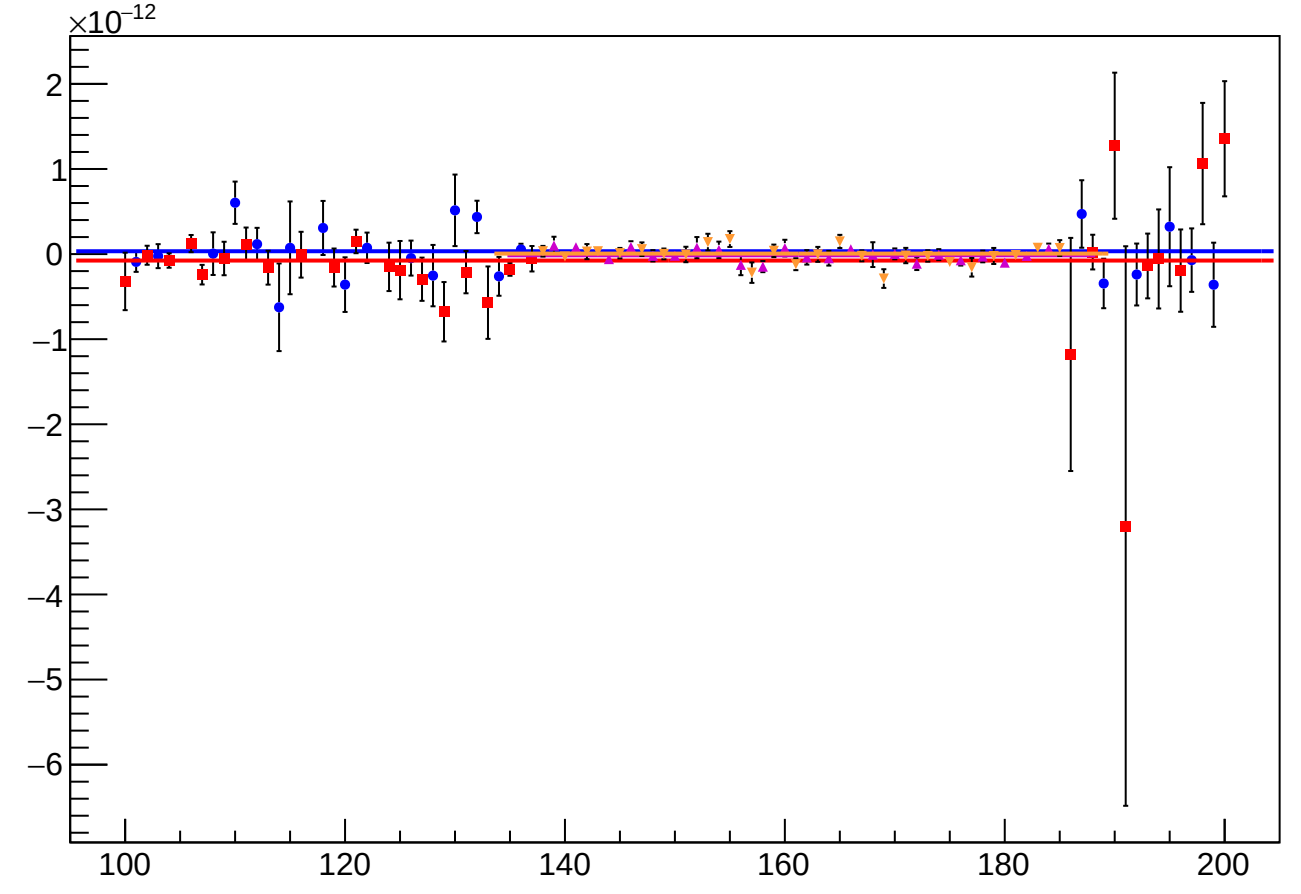
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

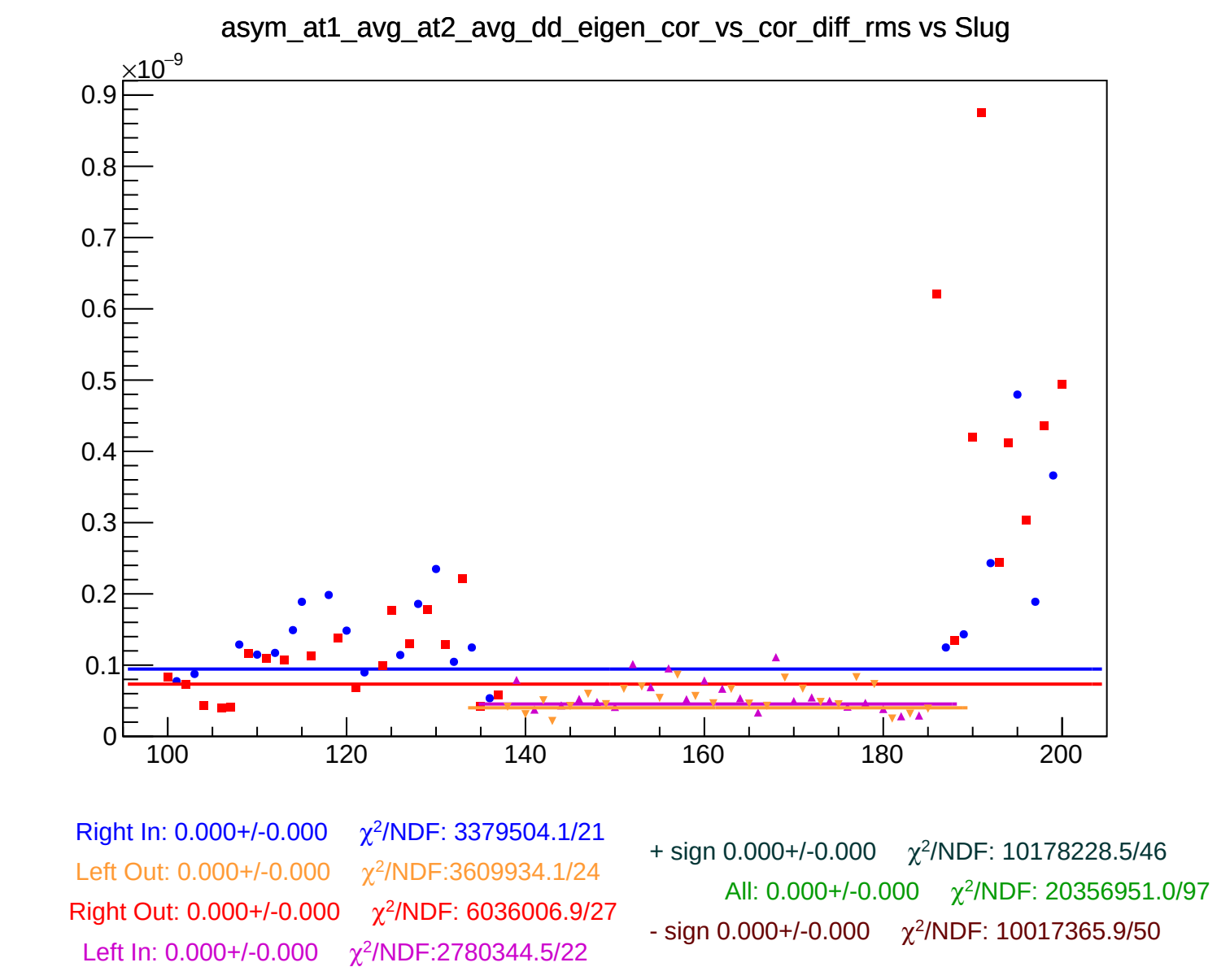
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

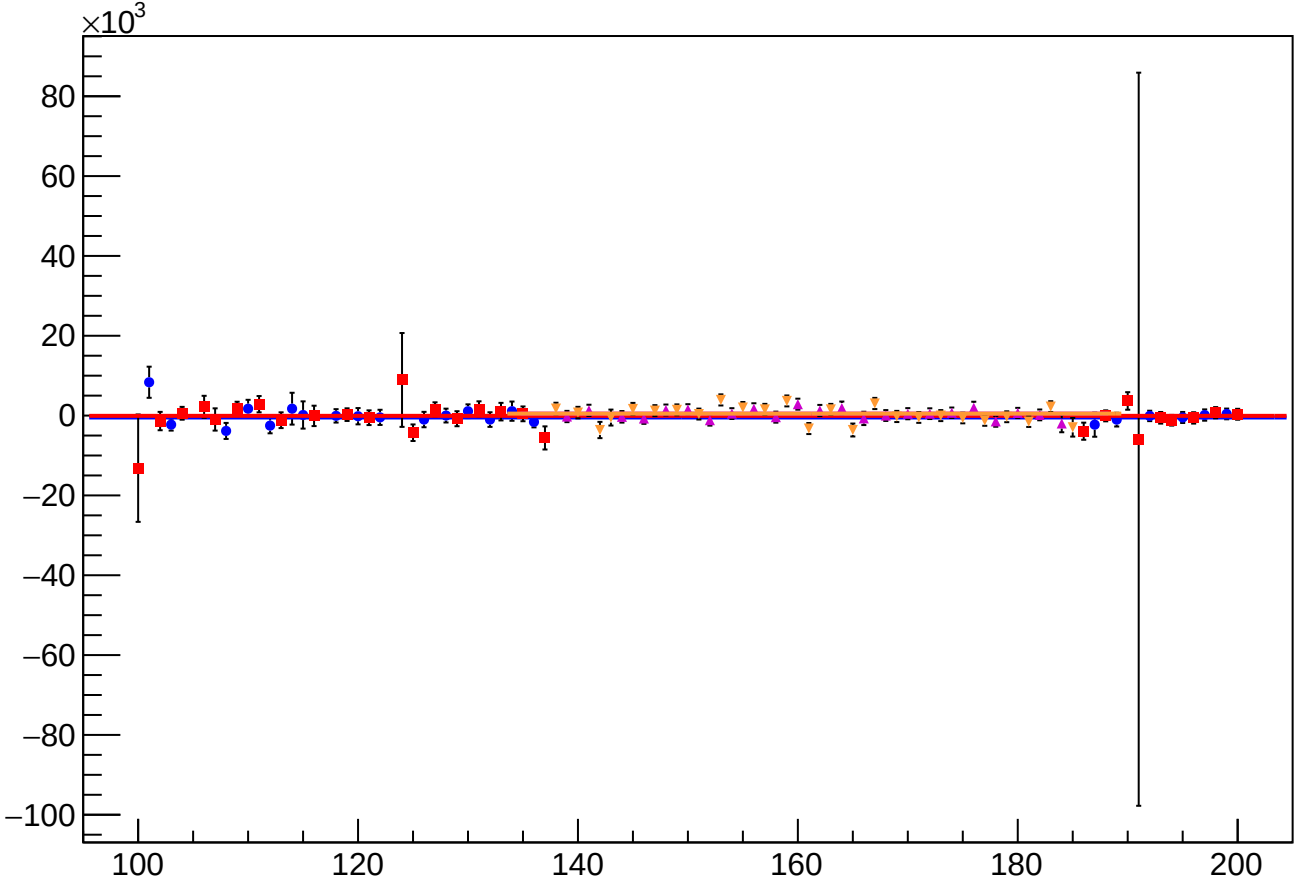
+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 117.0/97

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3379504.1/21
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6036006.9/27
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 10178228.5/46
All: 0.000+/-0.000 χ²/NDF: 20356951.0/97
- sign 0.000+/-0.000 χ²/NDF: 10017365.9/50

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -65.376+/-359.817 χ^2/NDF: 23.4/27

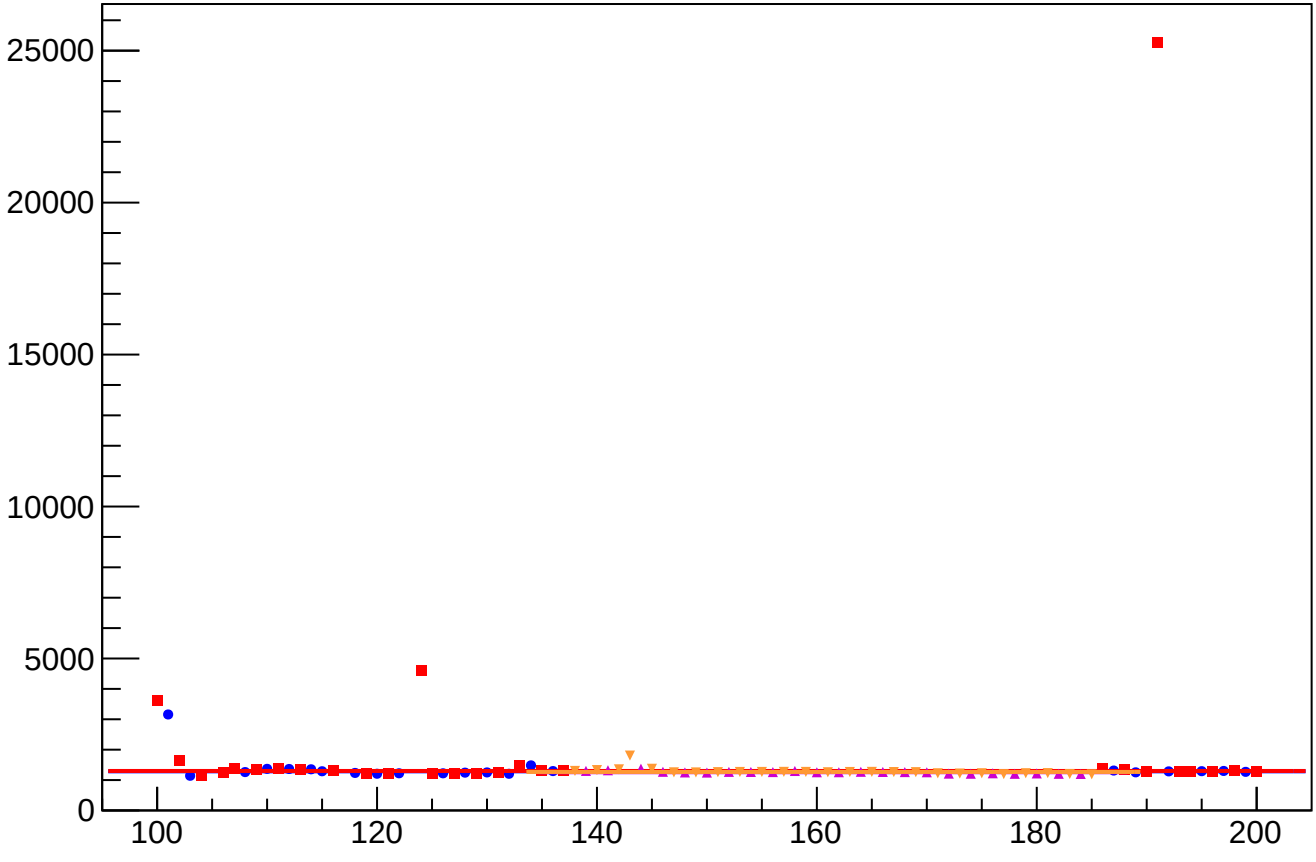
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 204.884+/-161.955 χ^2/NDF: 105.5/97

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

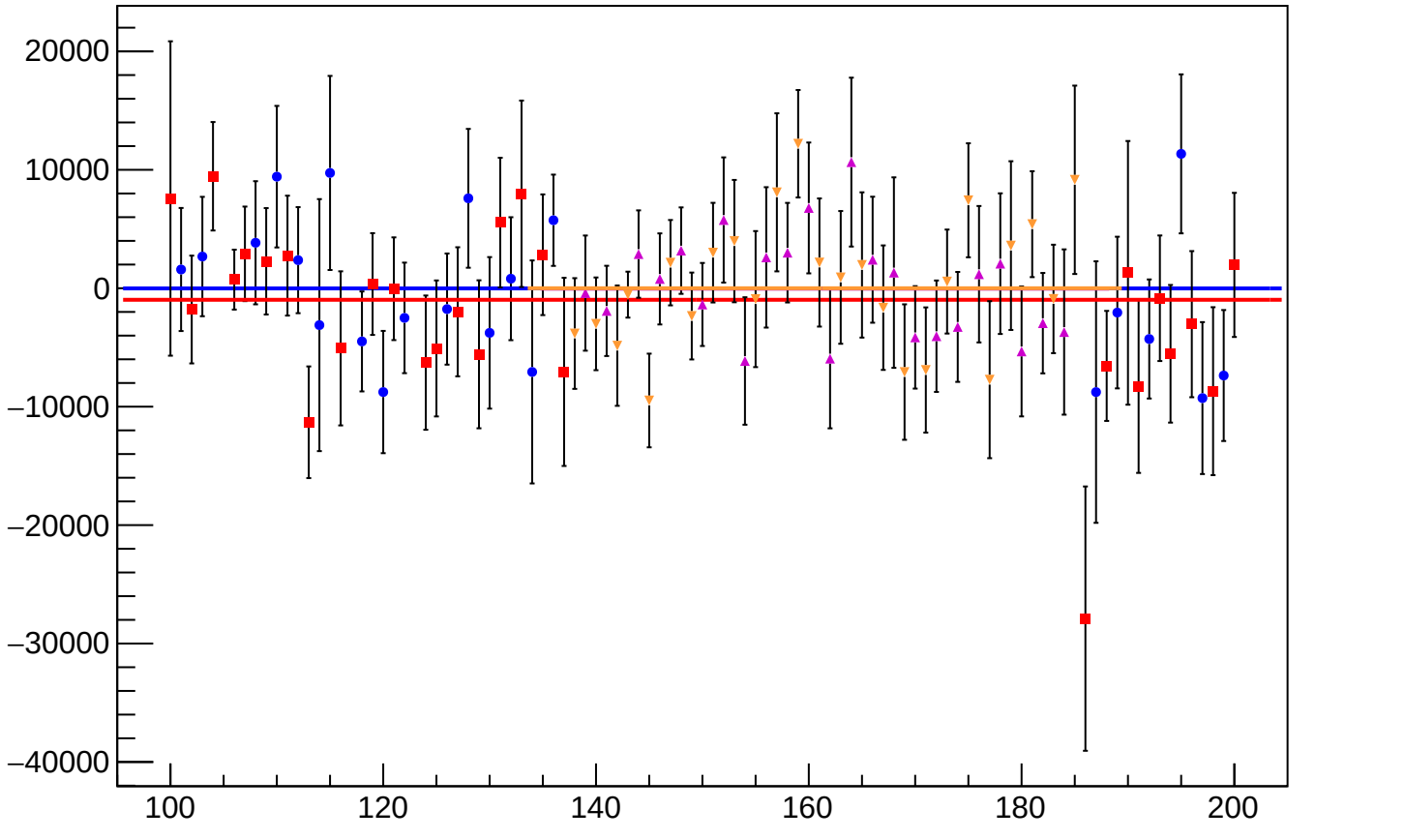
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

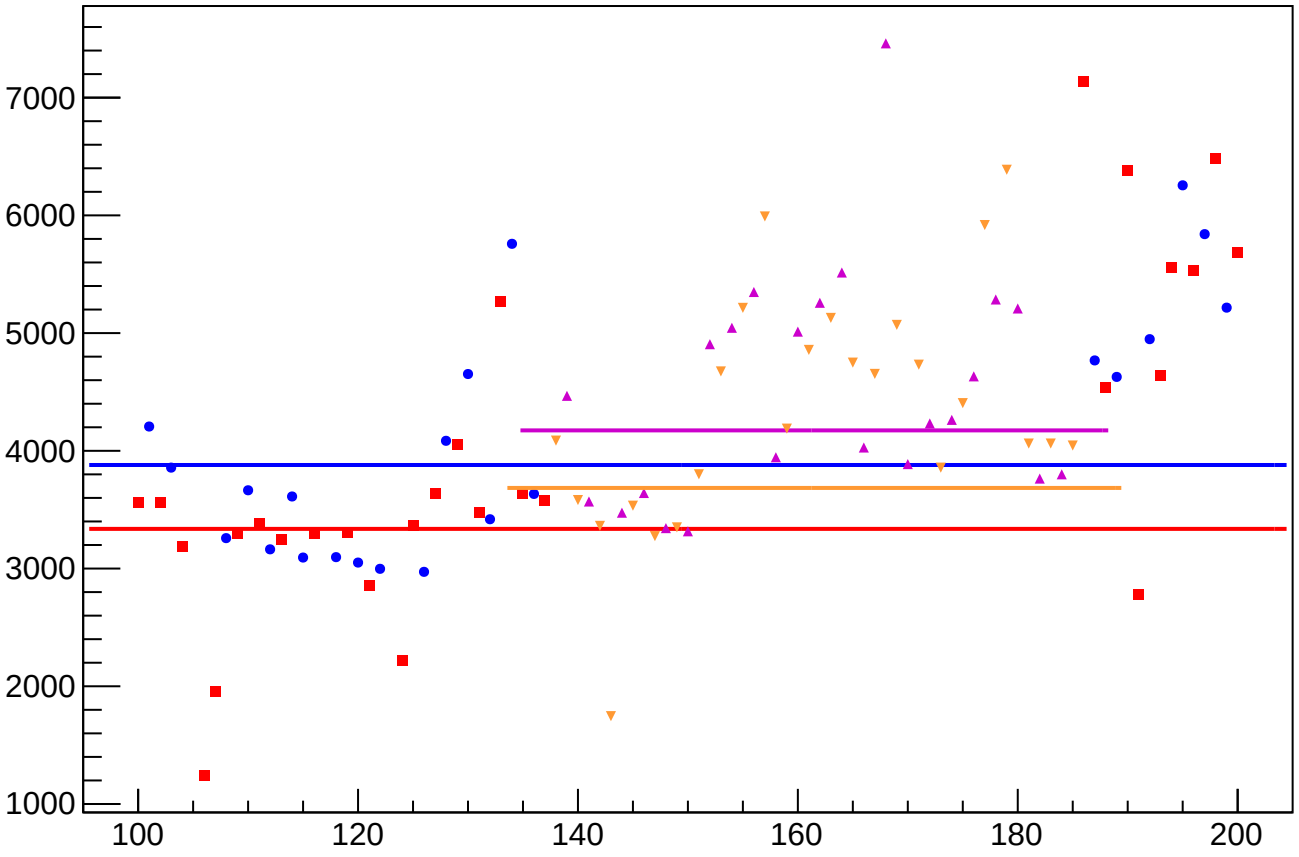
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -5.706+/-708.307 χ^2/NDF: 51.7/46

All: -259.708+/-497.996 χ^2/NDF: 96.2/97

- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

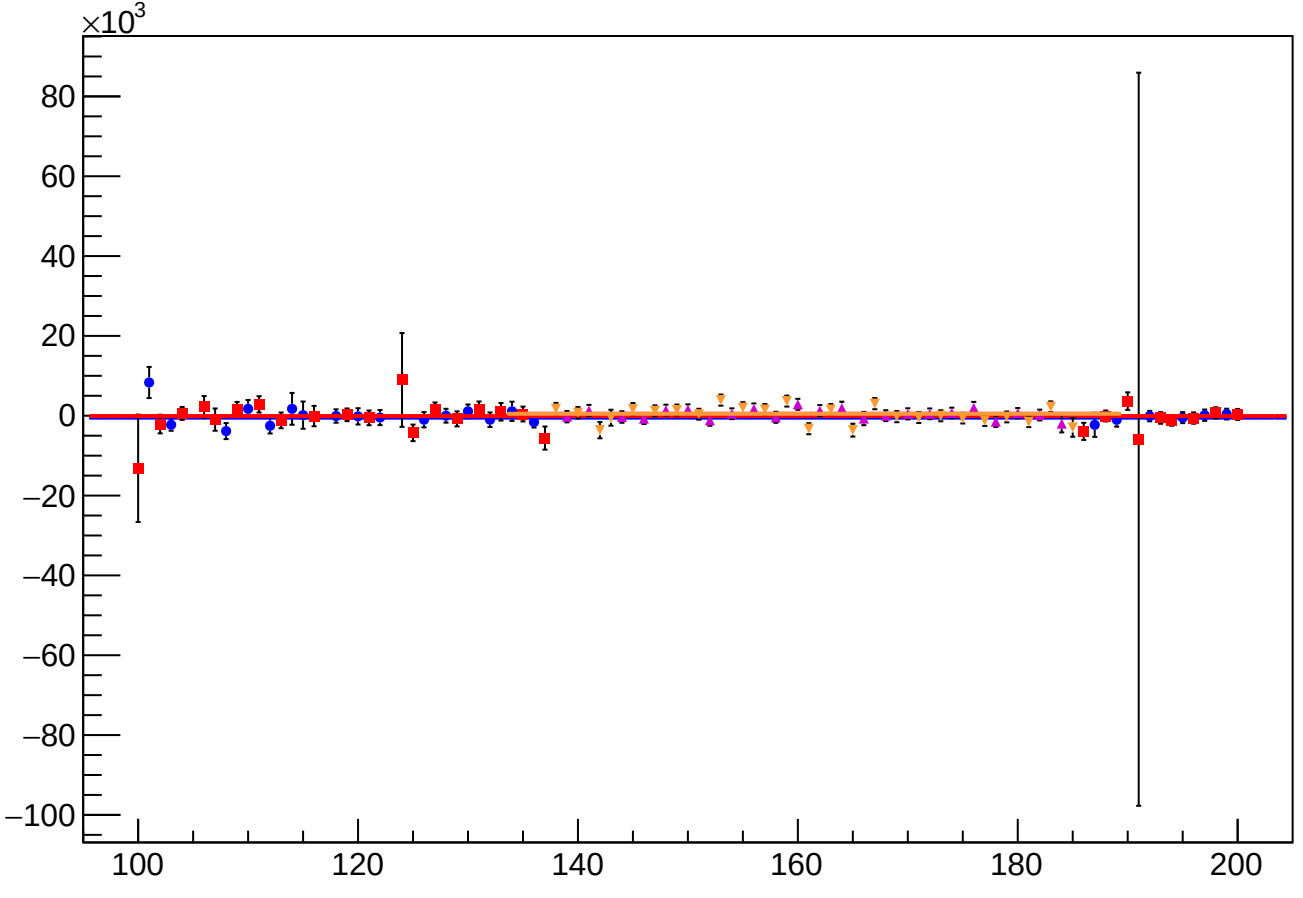
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9

- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

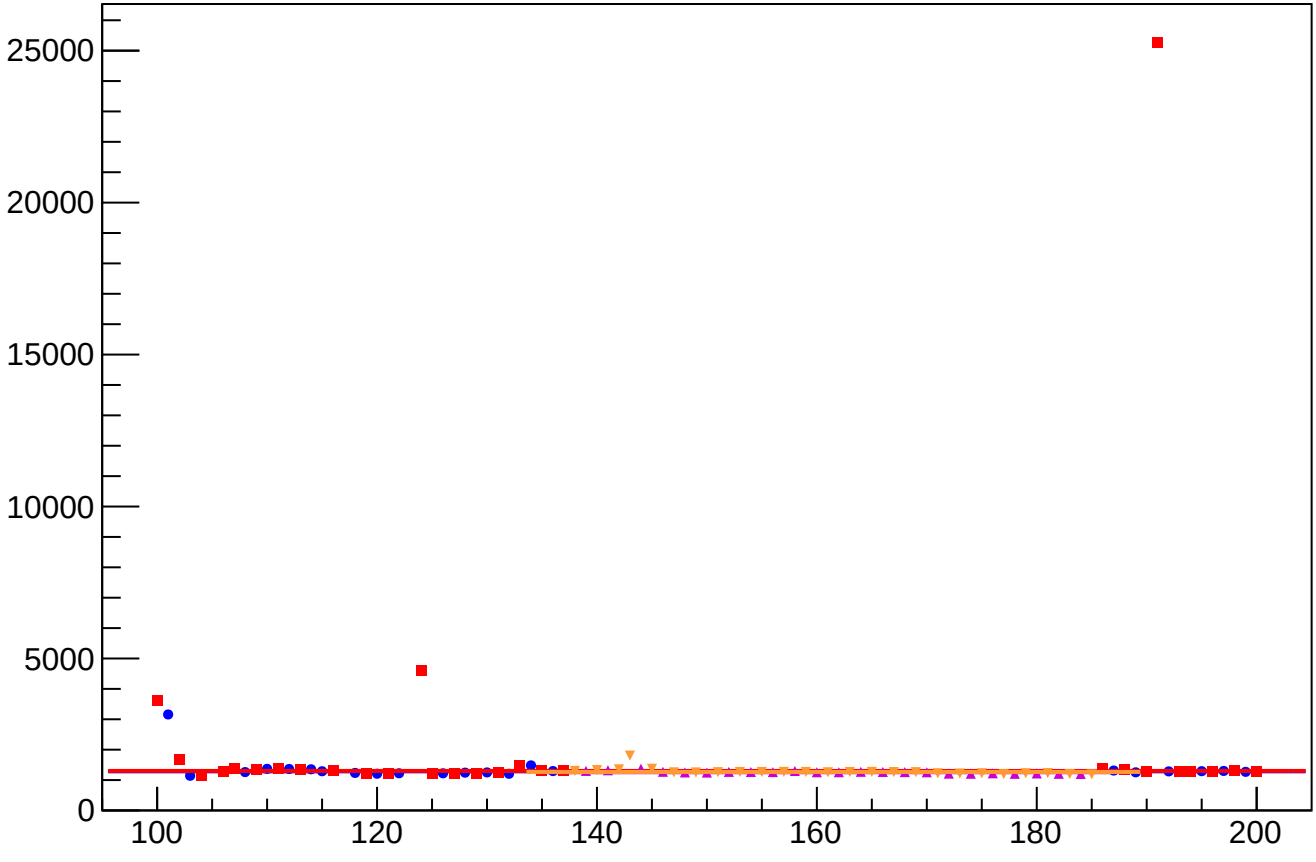
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

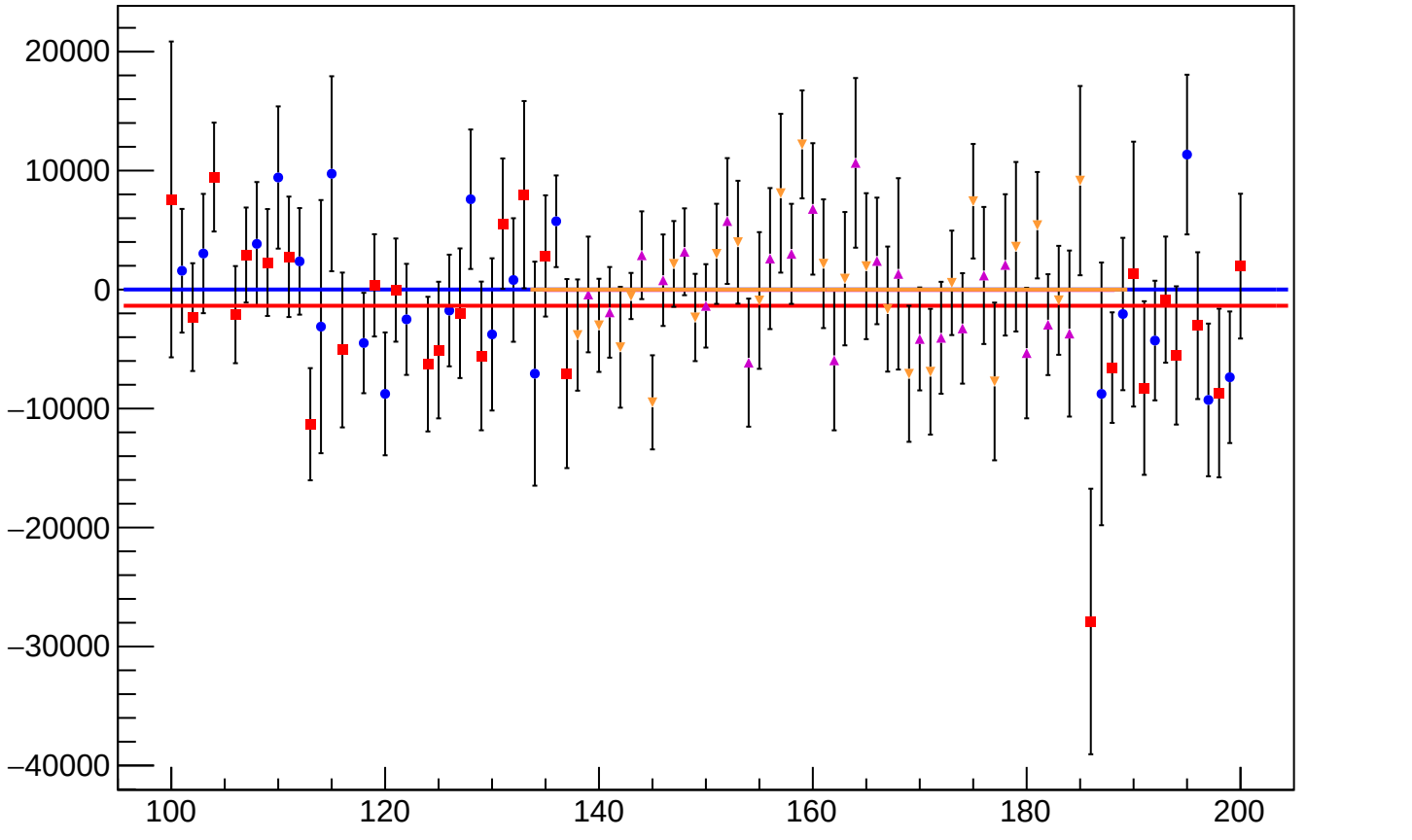
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

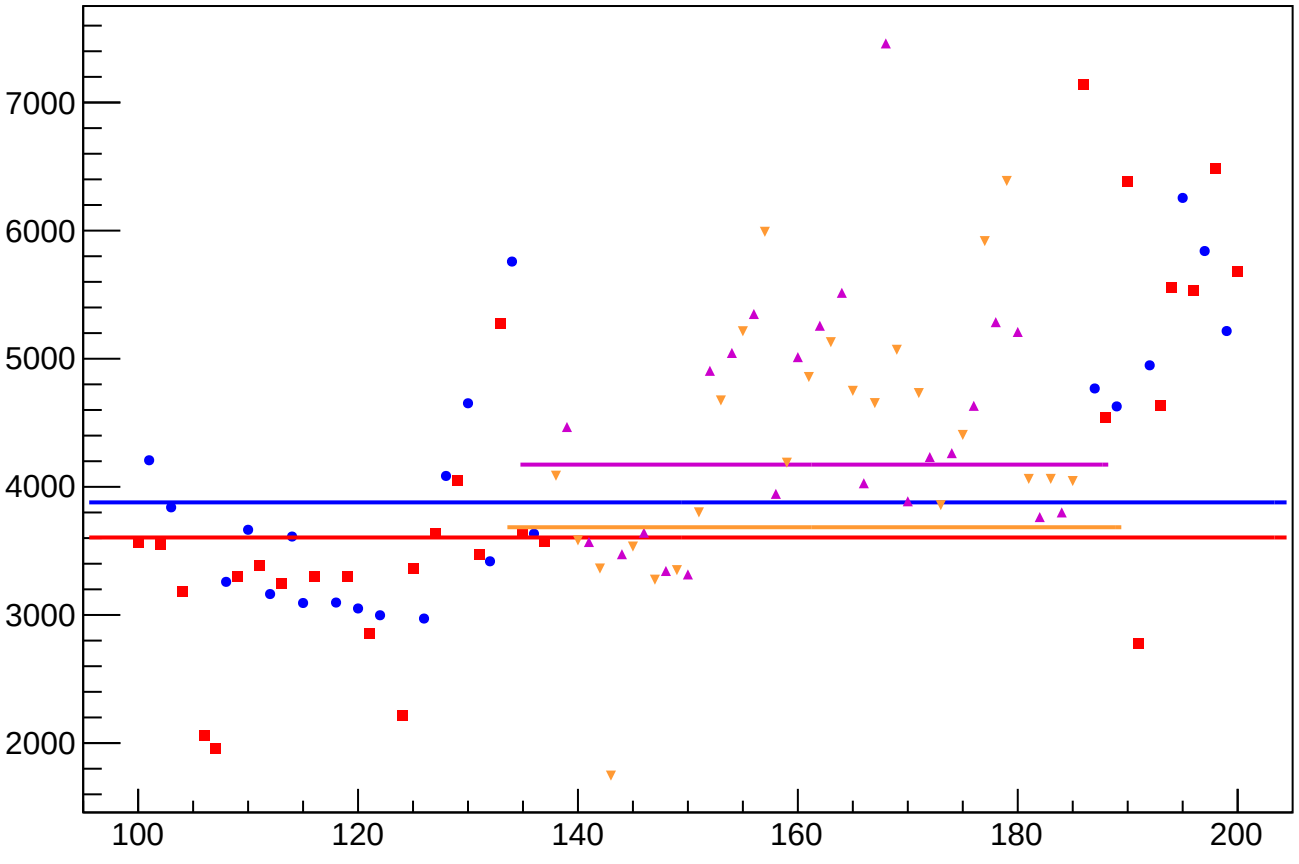
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -329.551+/-503.987 χ^2/NDF: 96.4/97

- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

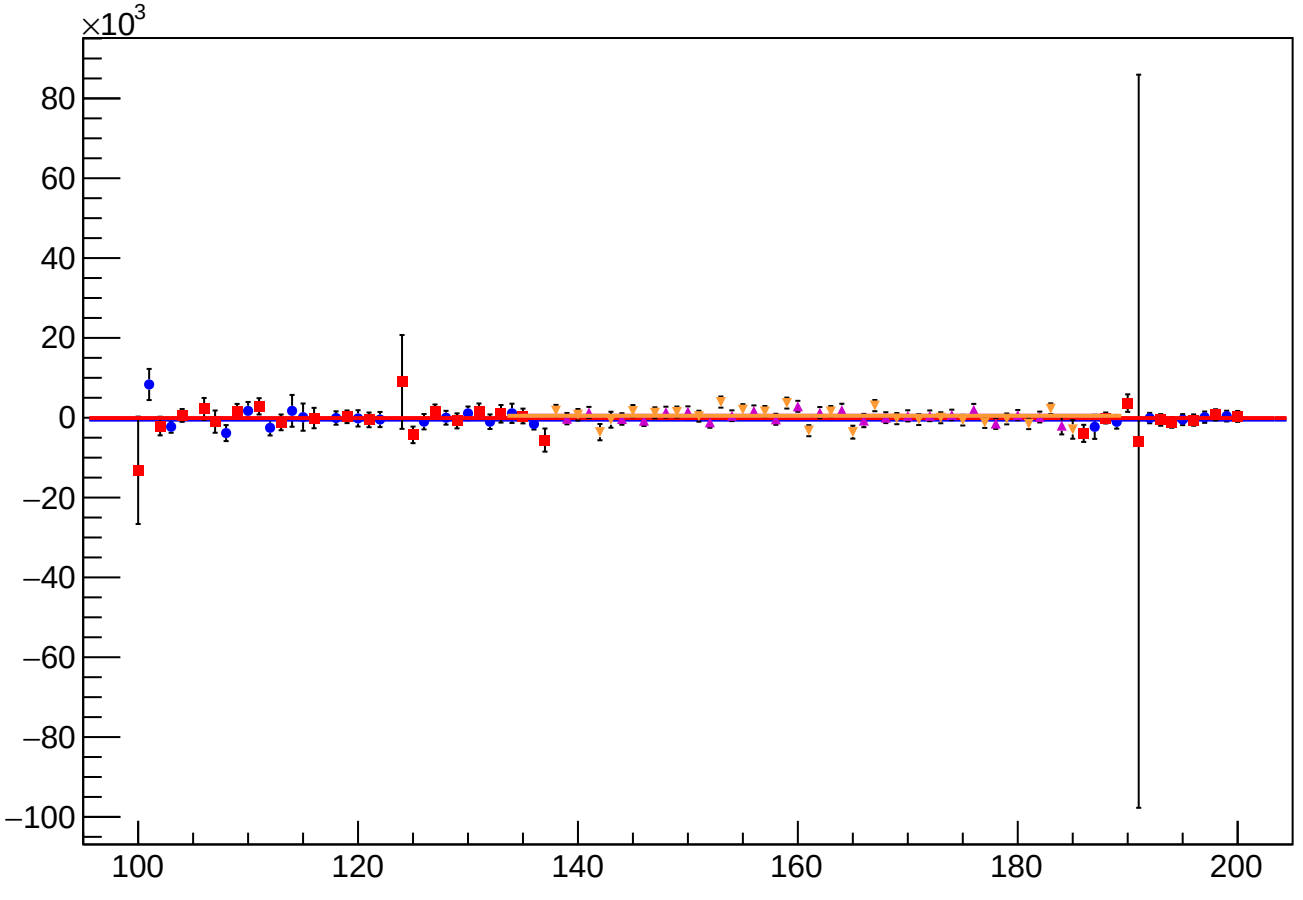
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

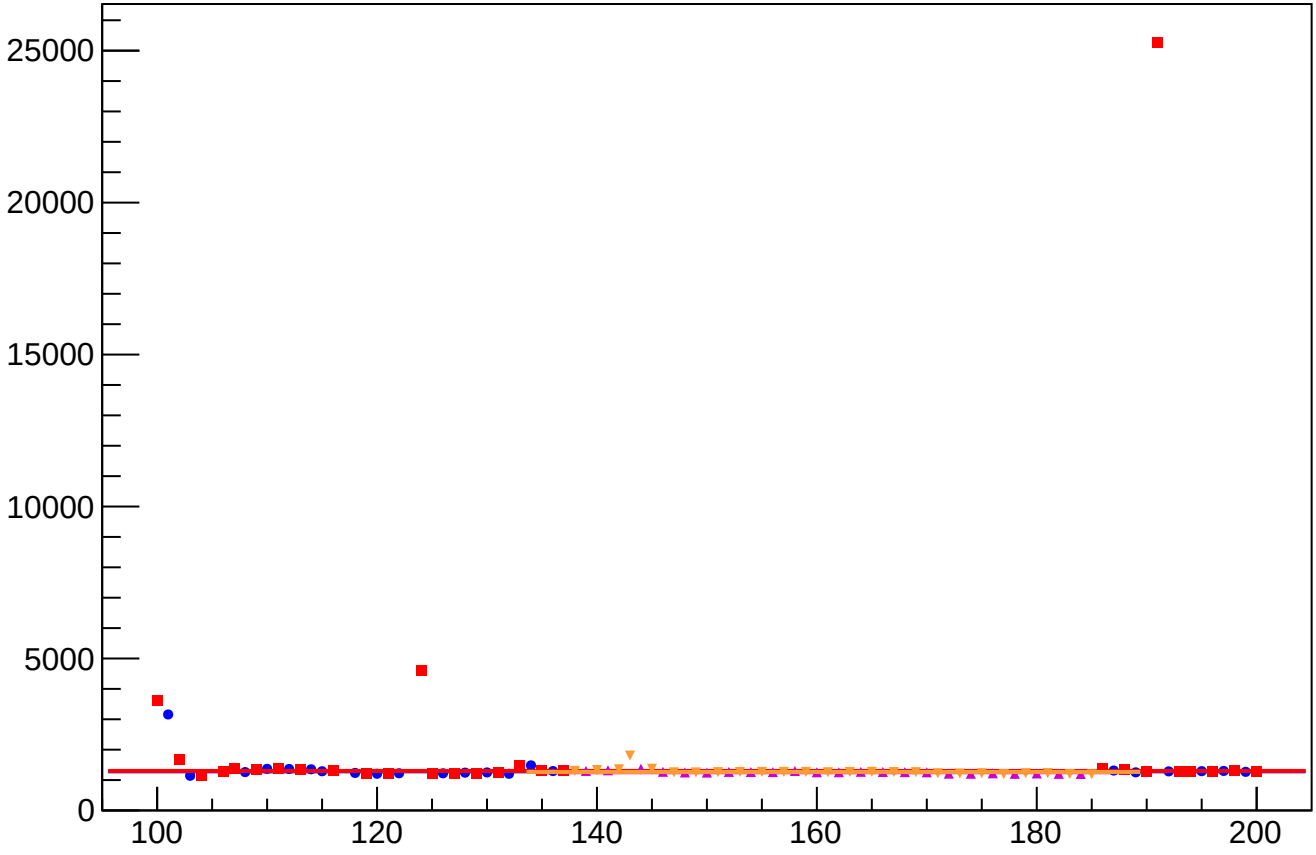
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 201.647+/-161.967 χ^2/NDF: 106.0/97

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

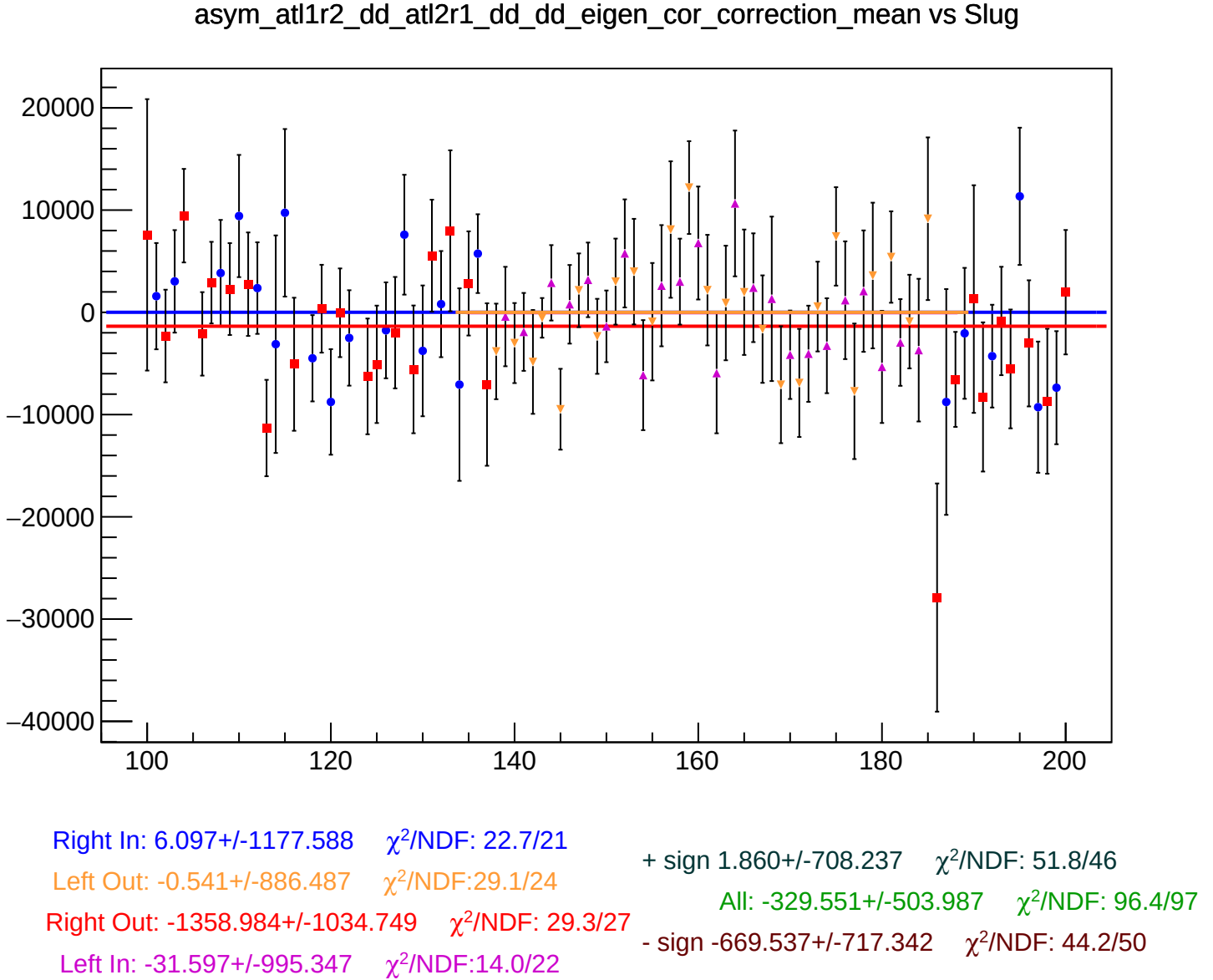
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

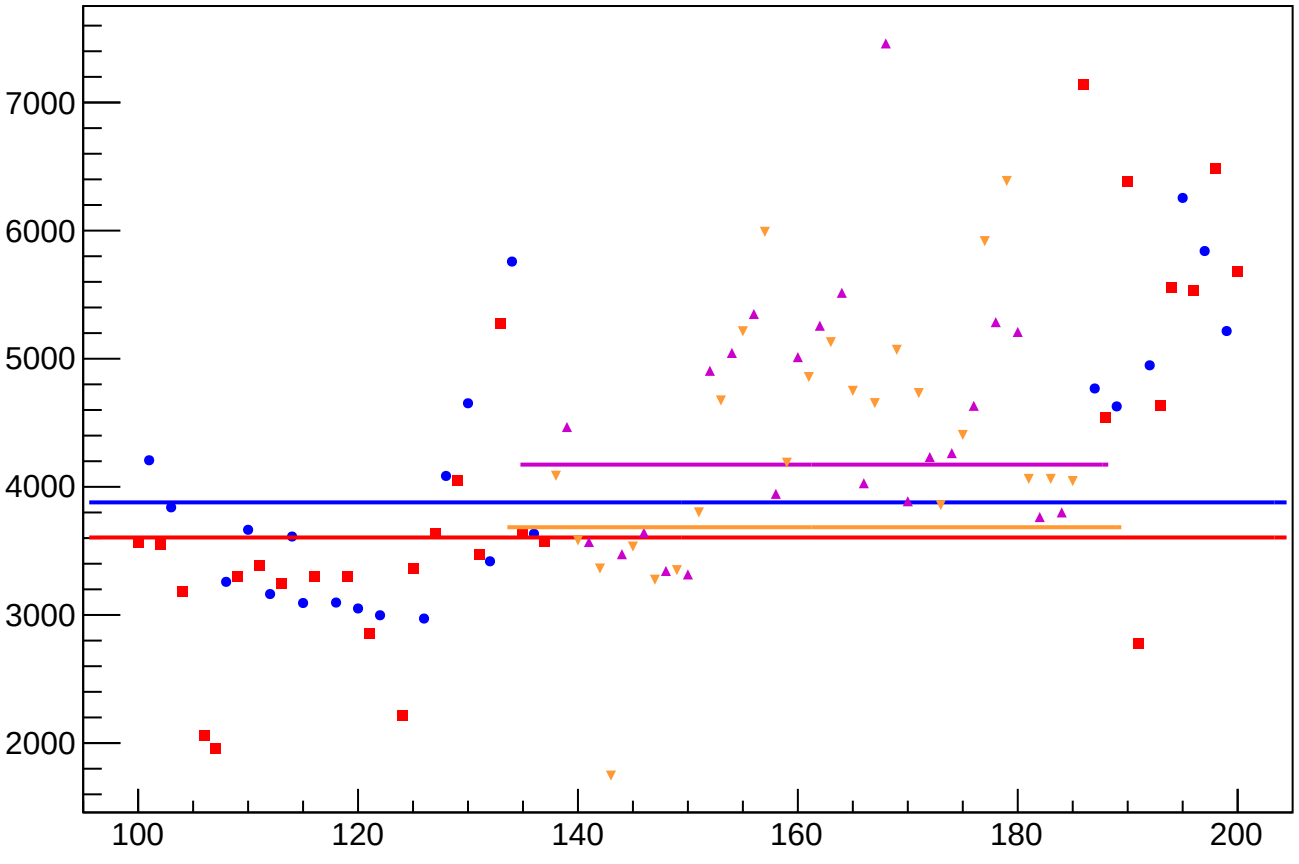
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 6.097+/-1177.588 χ²/NDF: 22.7/21
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 1.860+/-708.237 χ²/NDF: 51.8/46
All: -329.551+/-503.987 χ²/NDF: 96.4/97
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

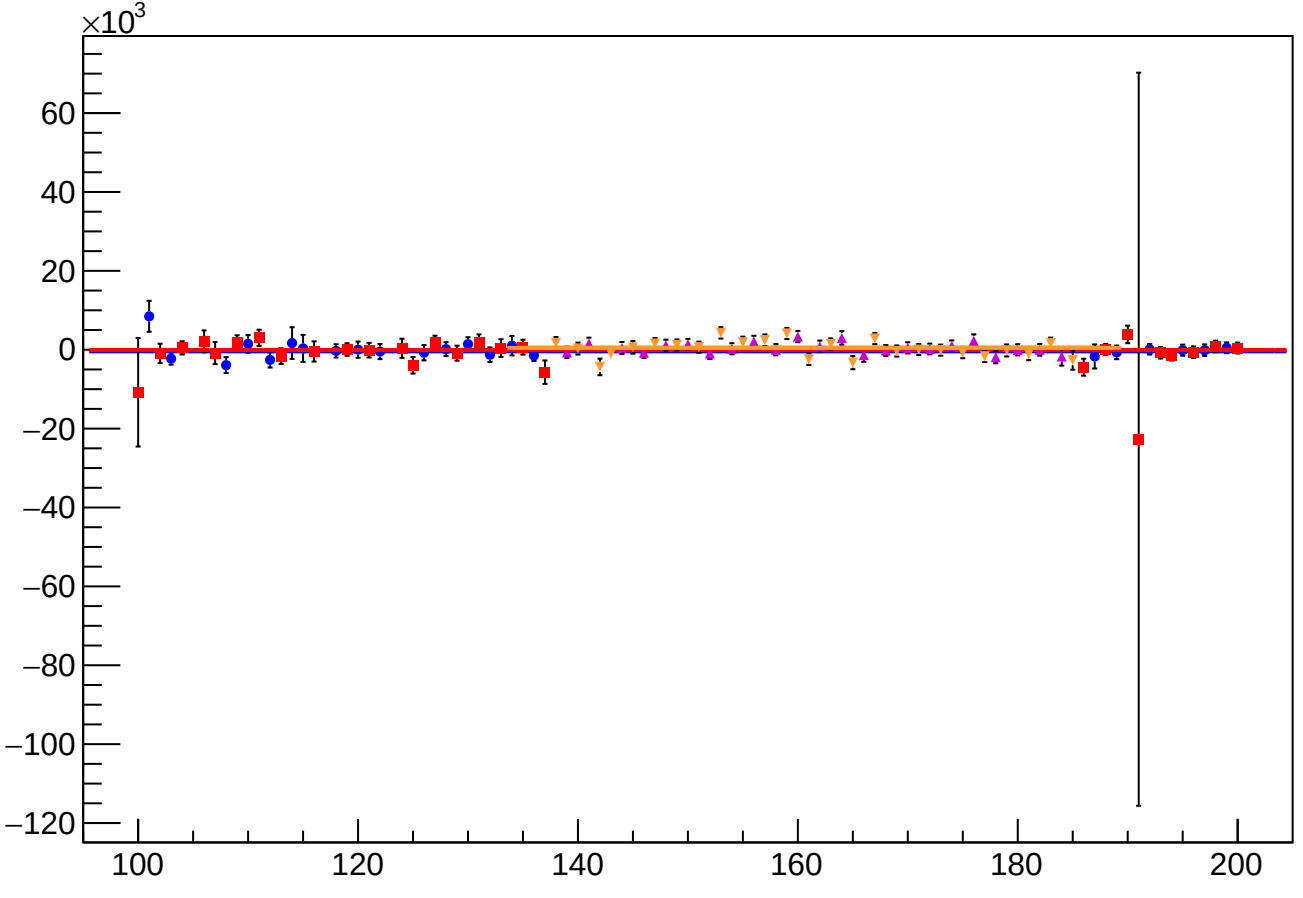
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.926+/-361.960 χ^2/NDF: 24.1/27

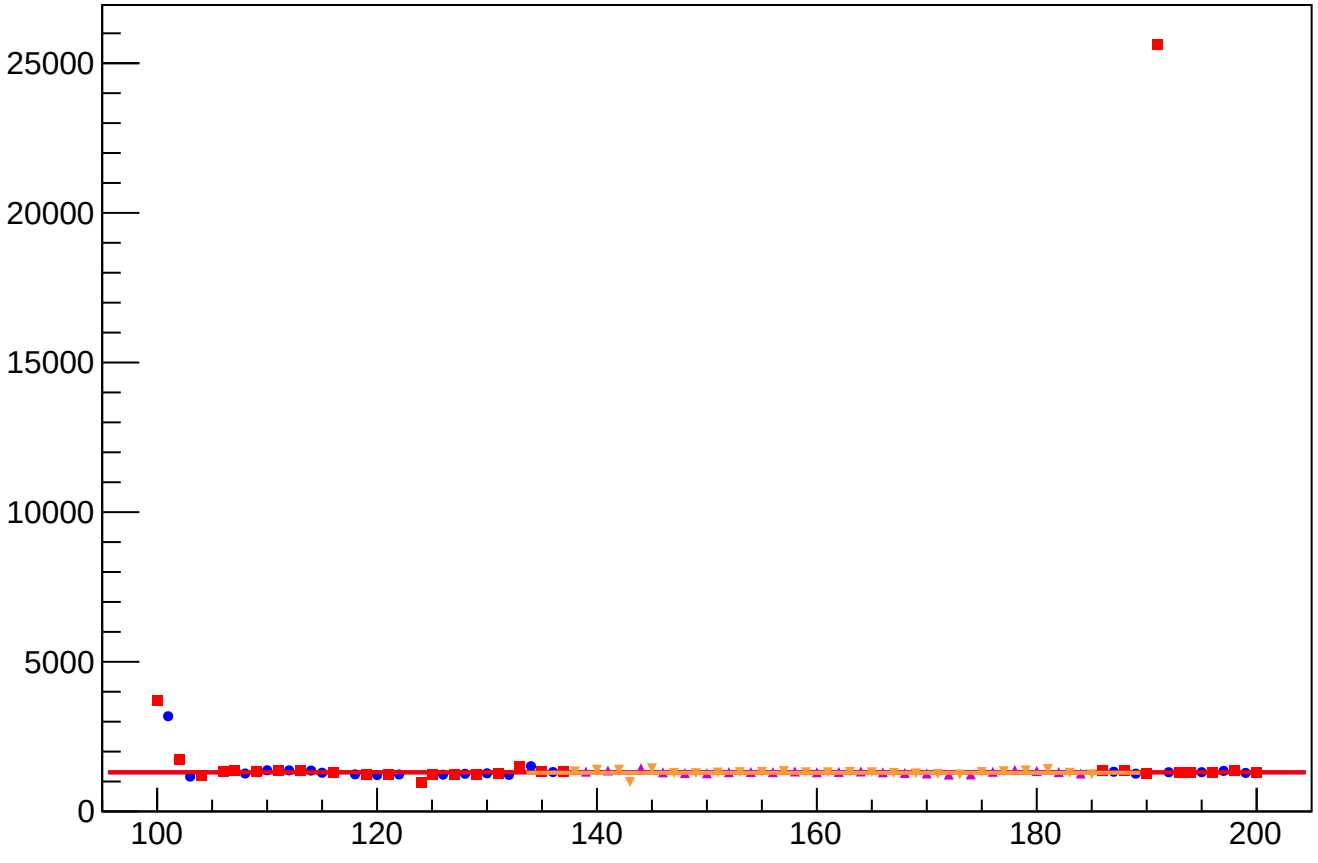
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 209.246+/-165.761 χ^2/NDF: 105.5/97

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

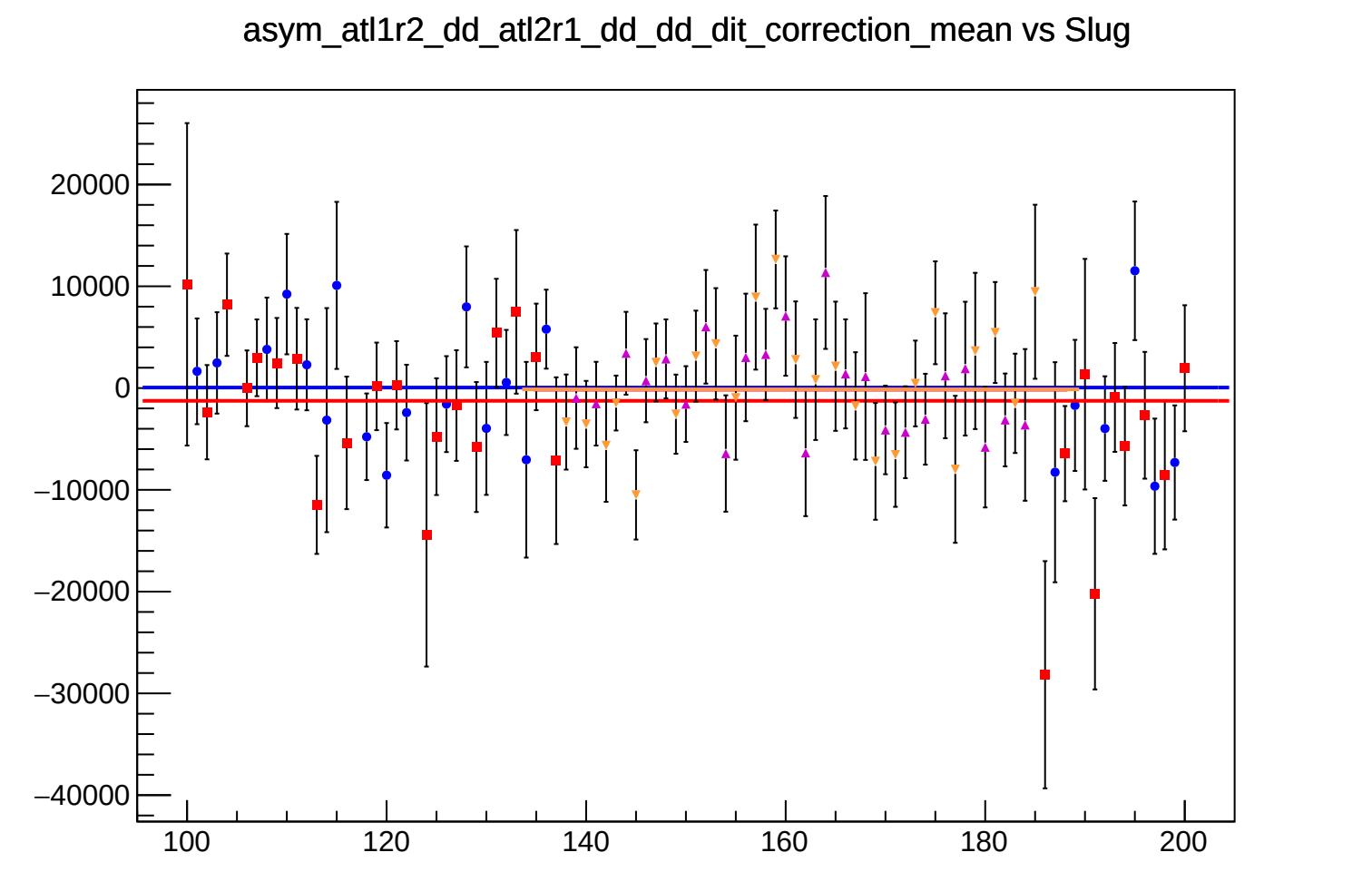
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

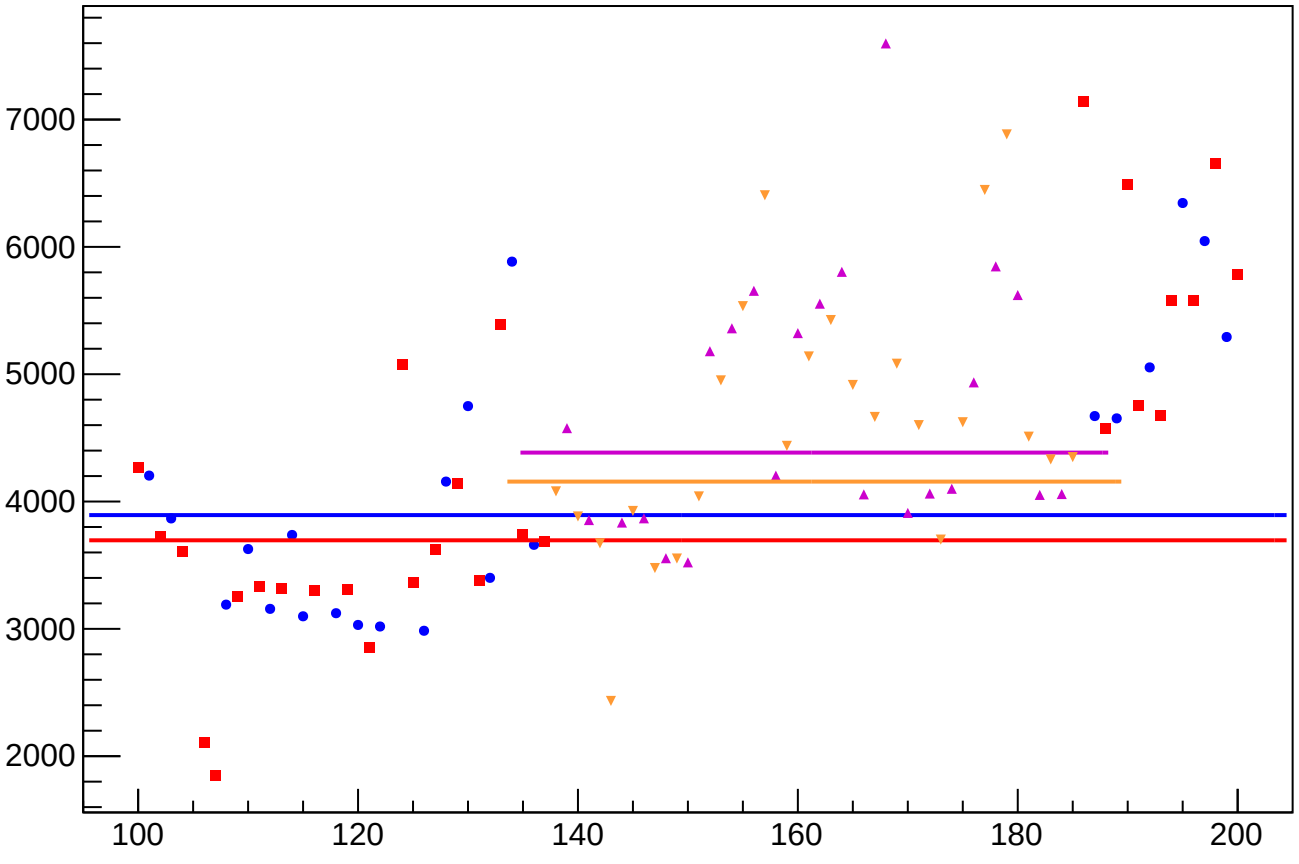
Right Out: -1253.721+/-1052.769 χ^2/NDF: 30.9/27

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

- sign -702.801+/-741.840 χ^2/NDF: 45.3/50



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

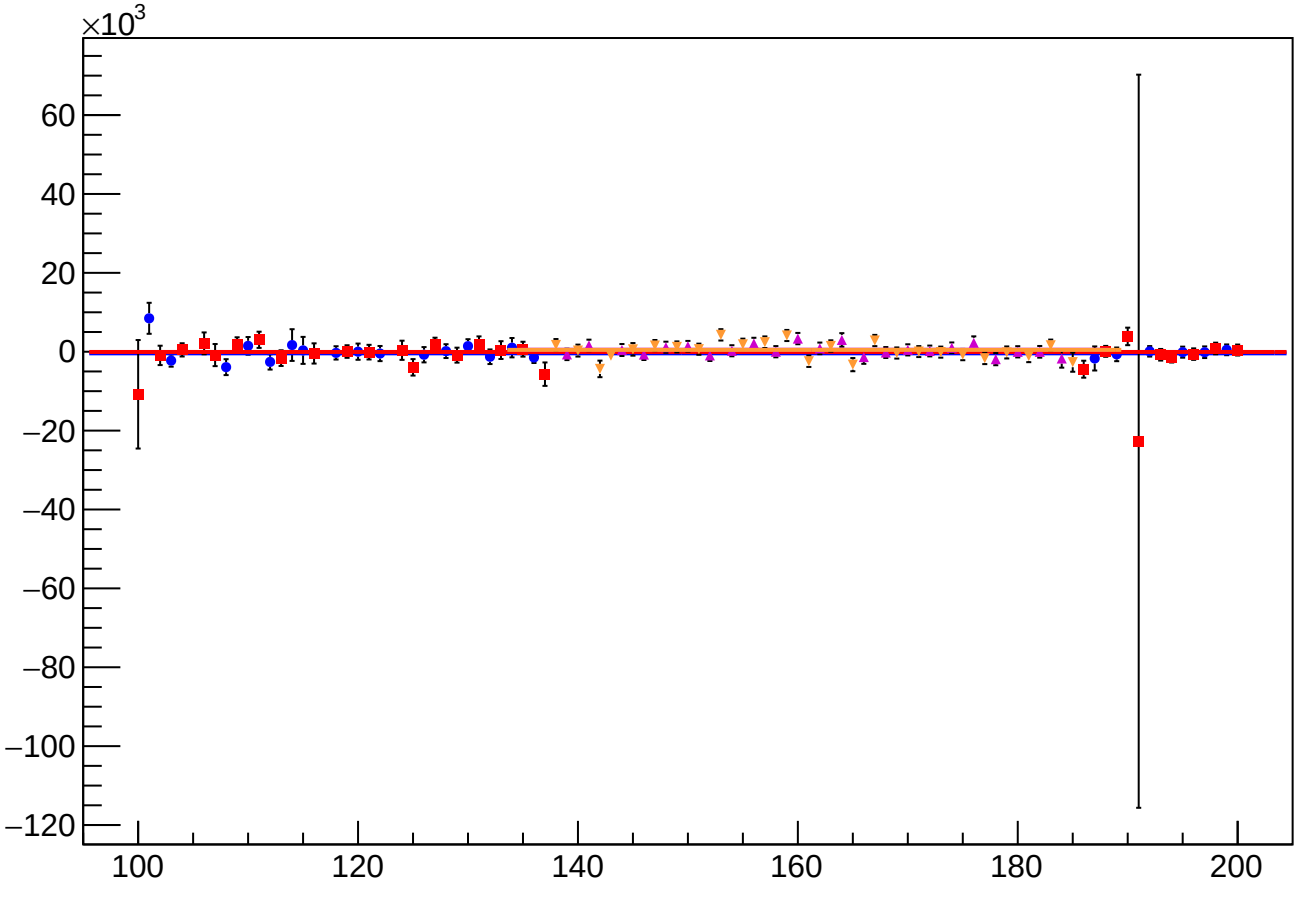
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -57.922+/-361.960 χ^2/NDF: 24.1/27

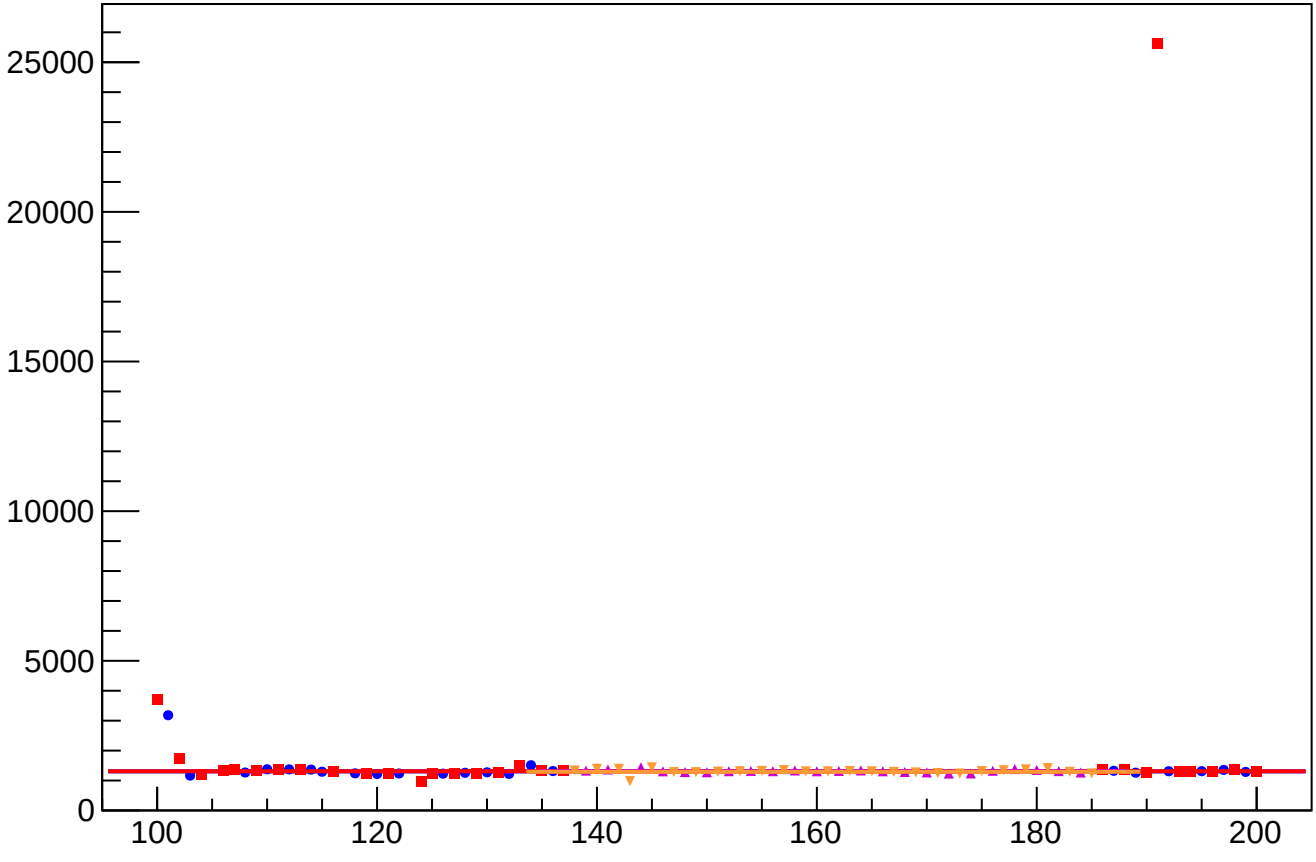
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 209.248+/-165.761 χ^2/NDF: 105.5/97

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

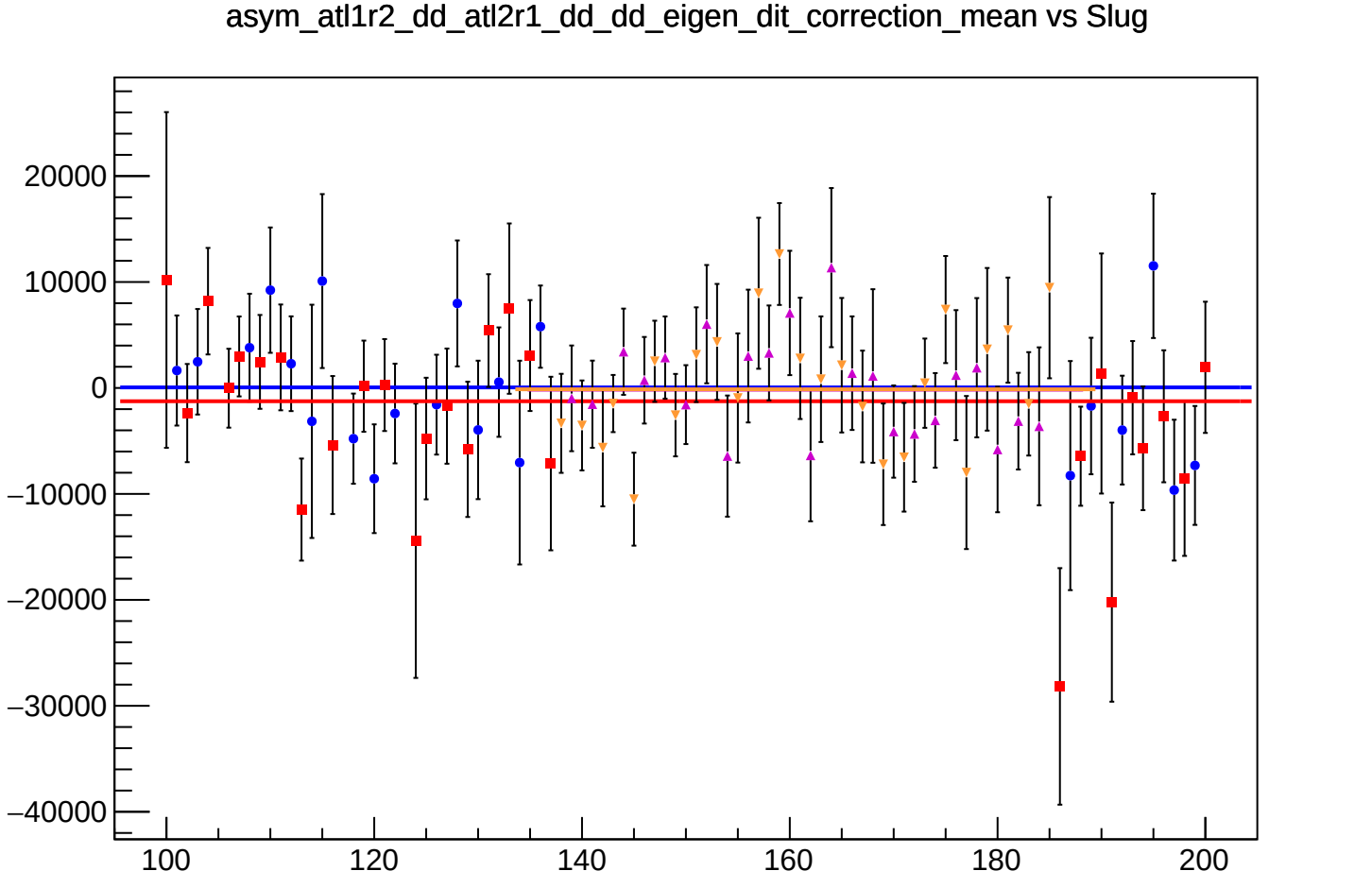
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

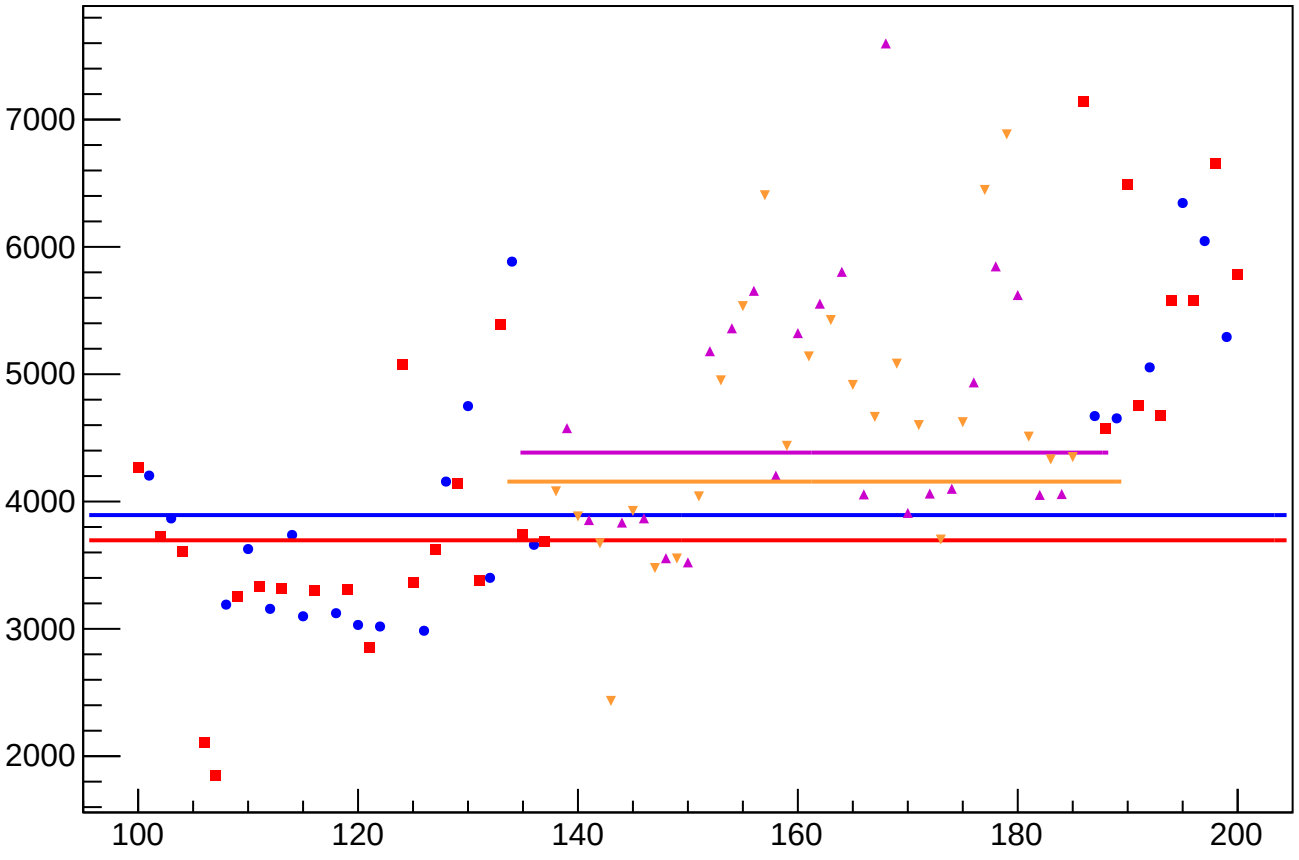
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -383.850+/-528.641 χ^2/NDF: 96.7/97

- sign -702.799+/-741.840 χ^2/NDF: 45.3/50



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

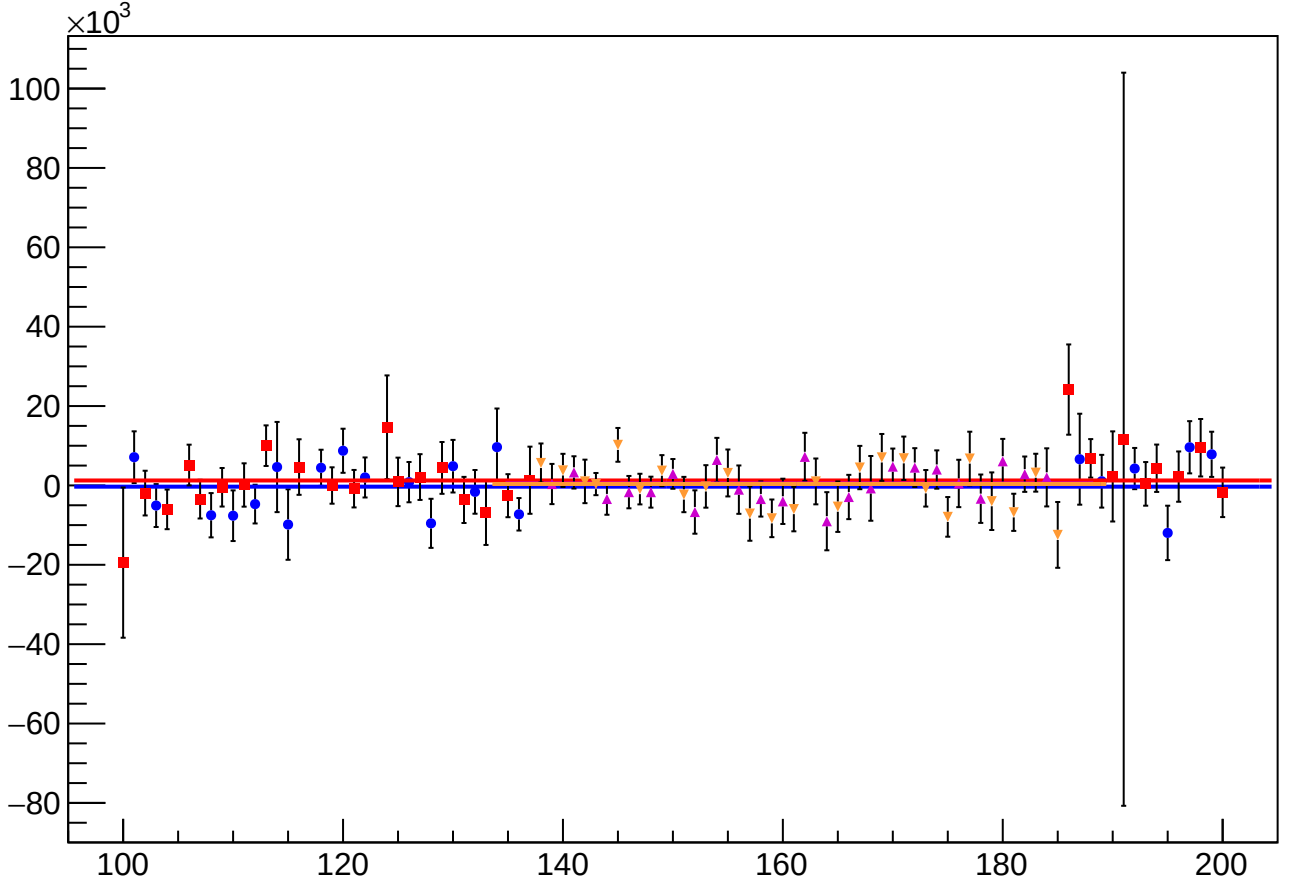
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410733.9/46

All: 4046.038+/-0.374 χ^2/NDF: 7643162.4/97

- sign 4042.289+/-0.525 χ^2/NDF: 4232324.8/50

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

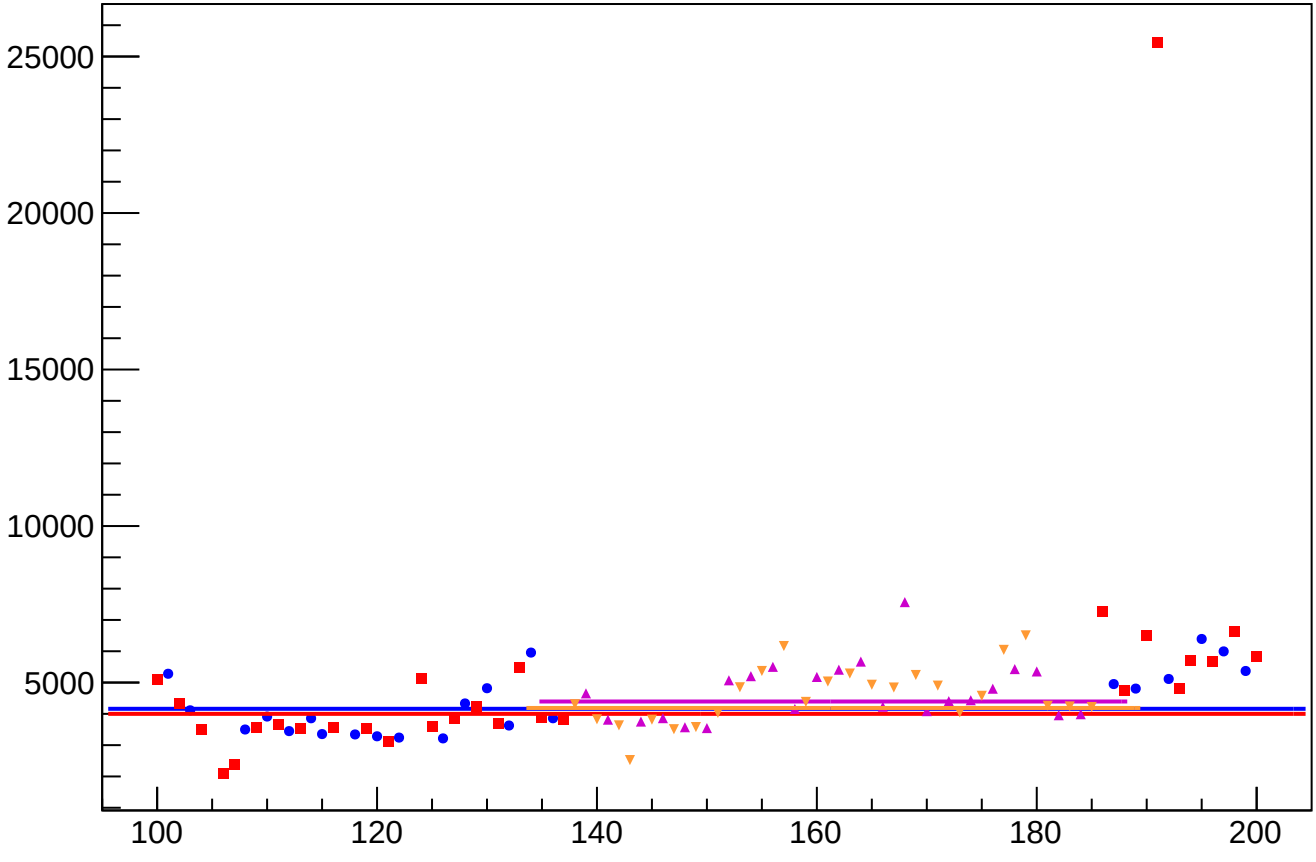
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 470.347+/-547.396 χ^2/NDF: 88.3/97

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

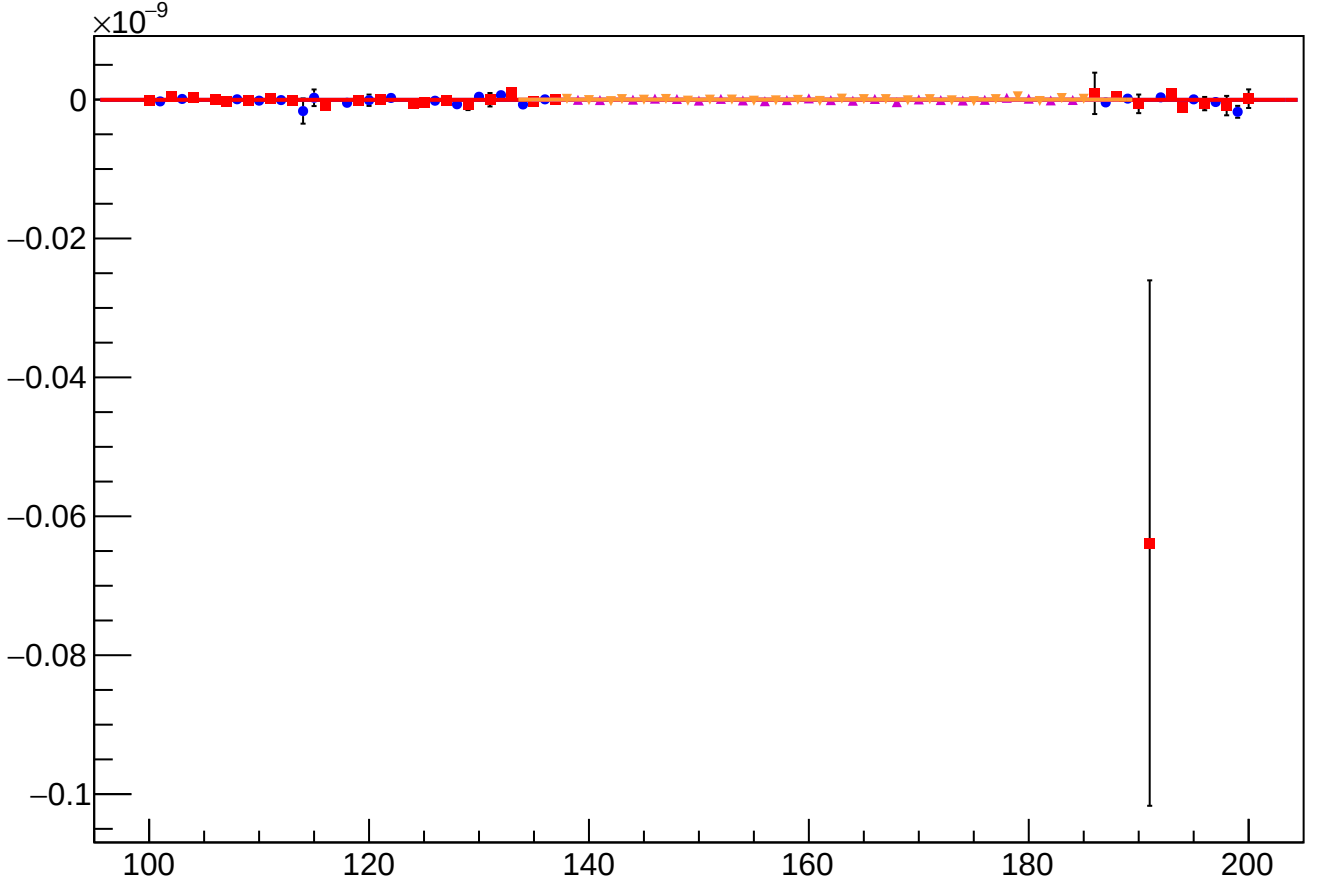
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4196.357+/-0.386 χ^2/NDF: 6183817.4/97

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

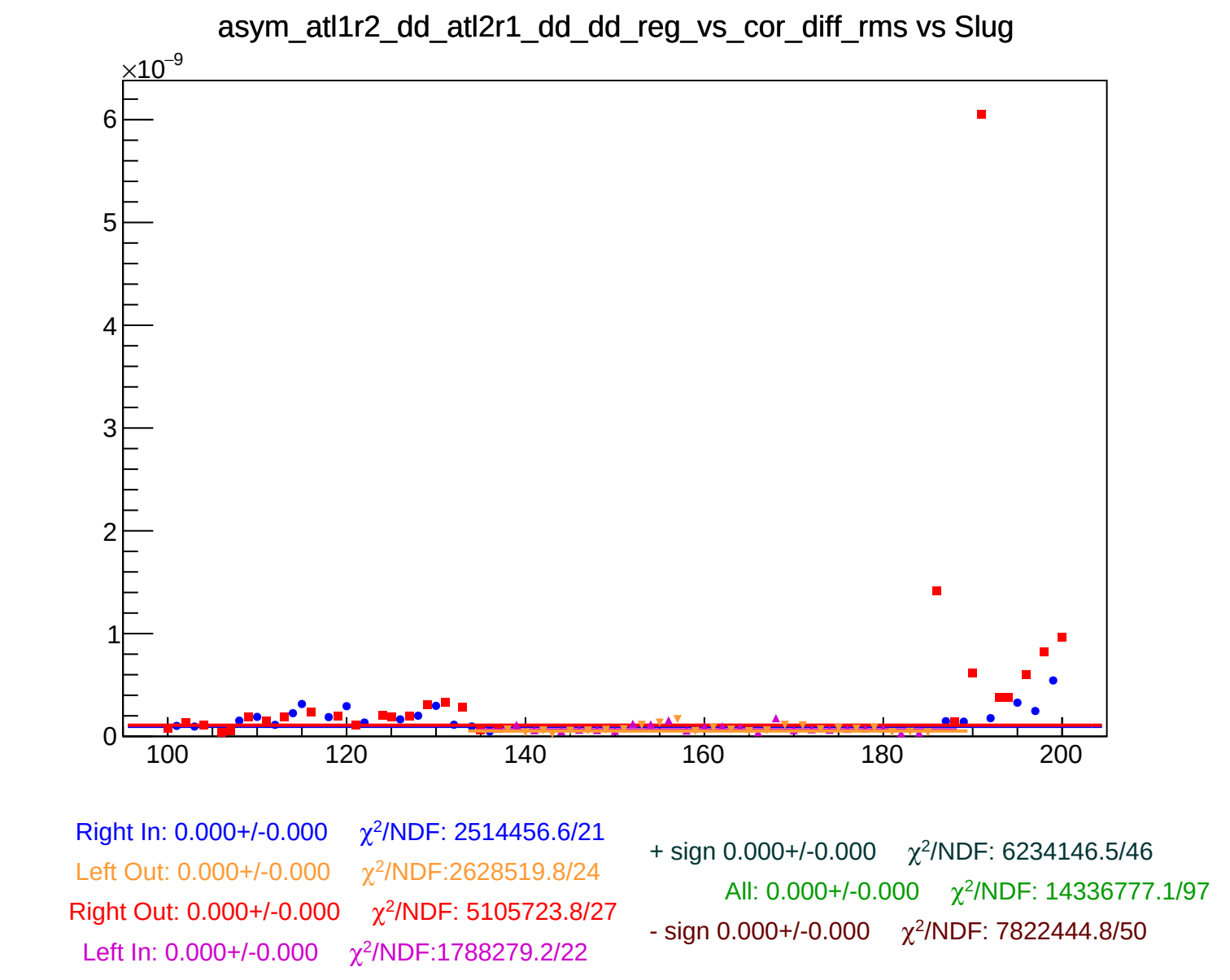
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

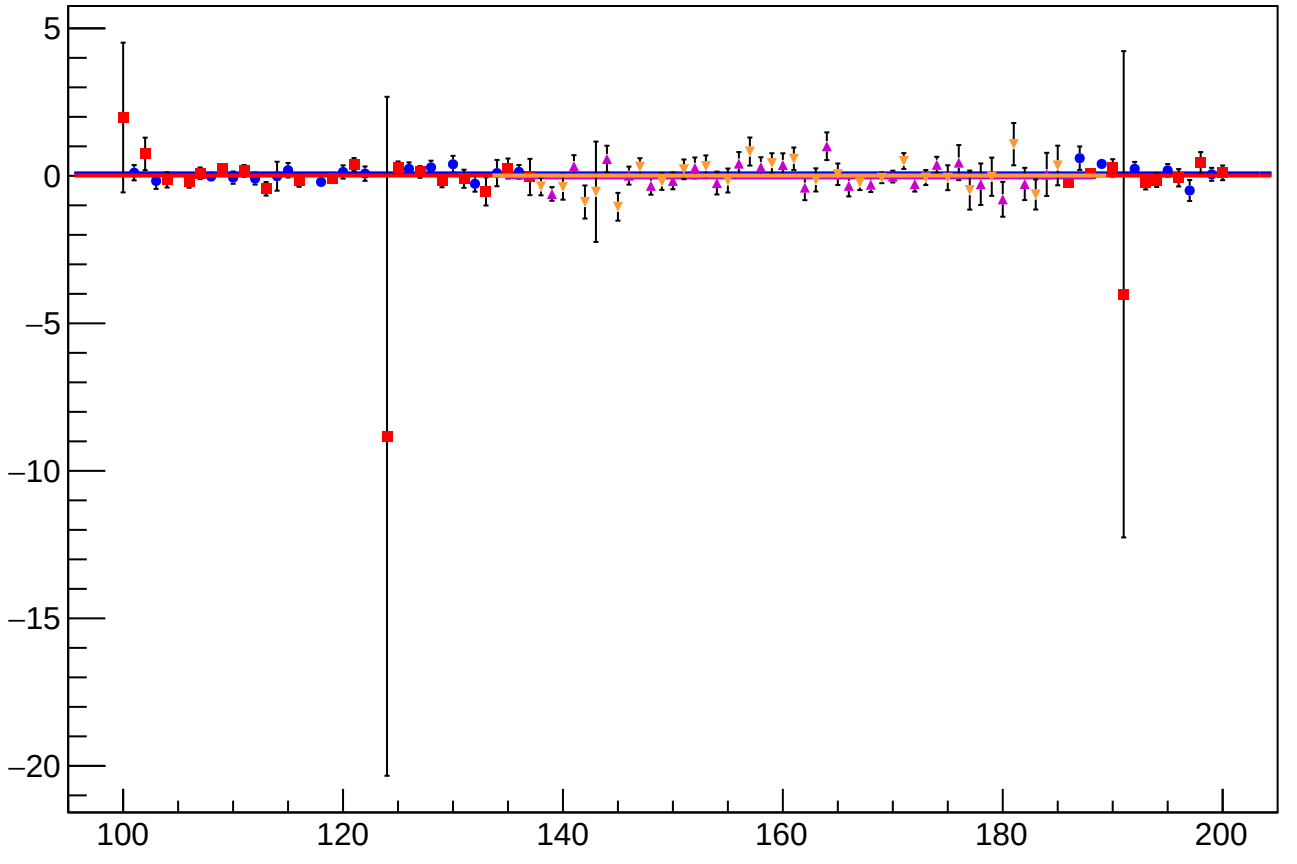
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/97

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5105723.8/27
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6234146.5/46
All: 0.000+/-0.000 χ²/NDF: 14336777.1/97
- sign 0.000+/-0.000 χ²/NDF: 7822444.8/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

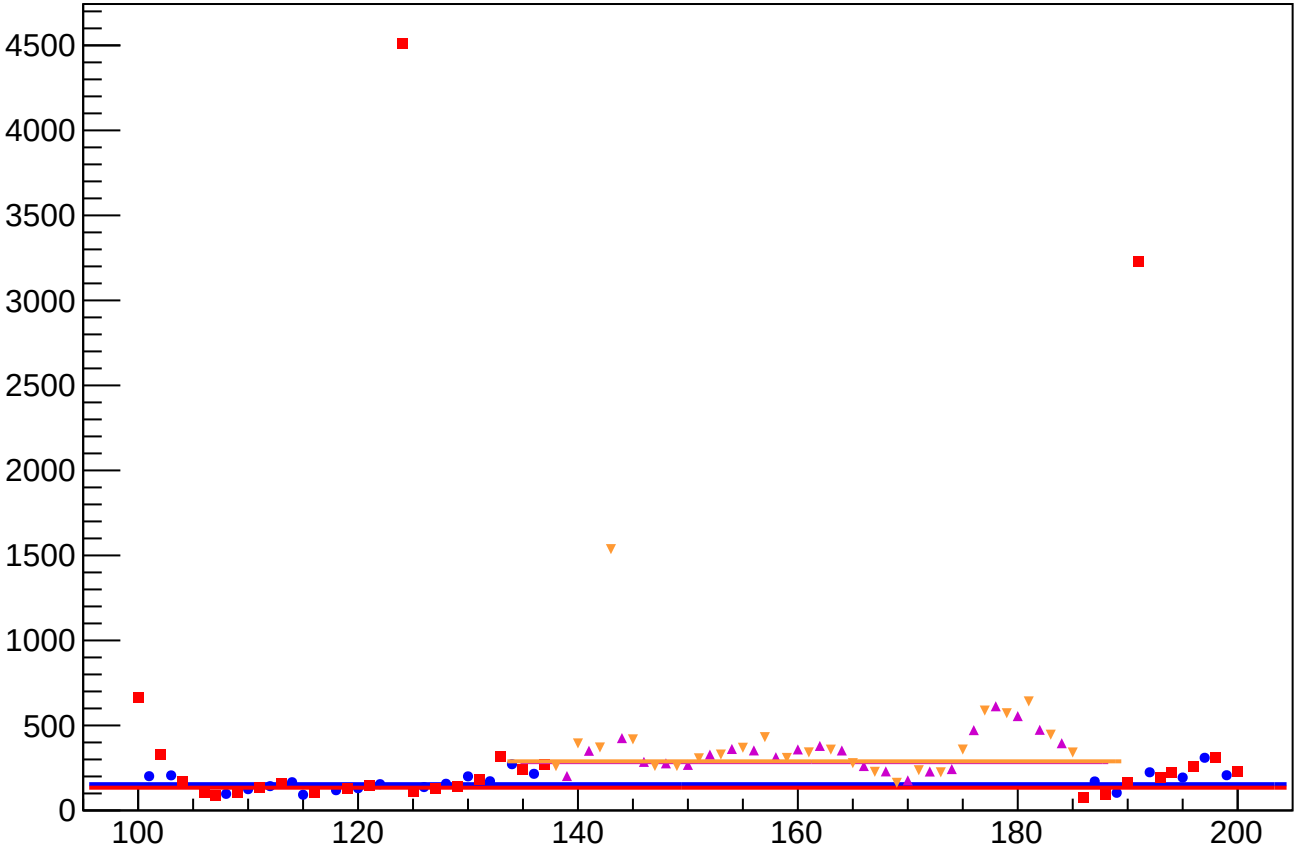
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

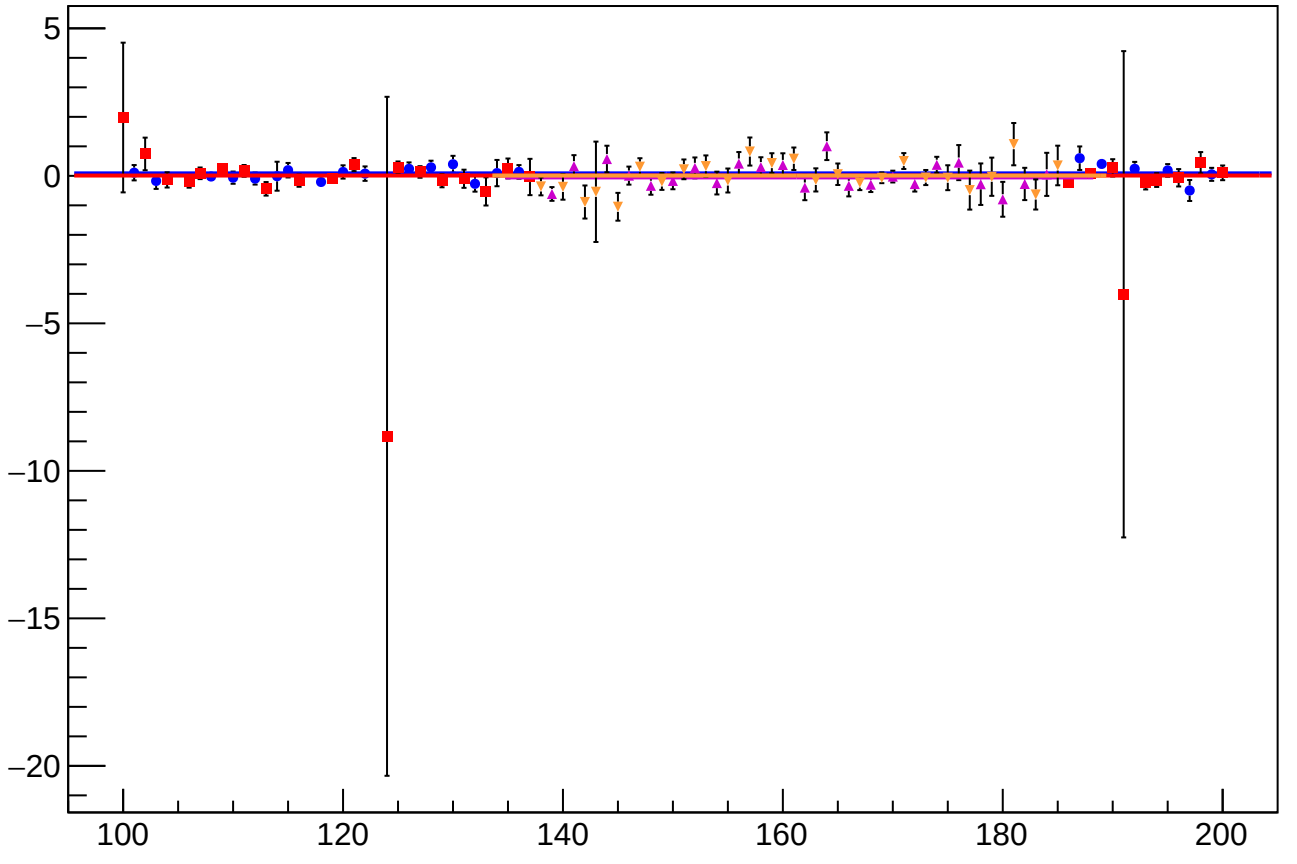
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

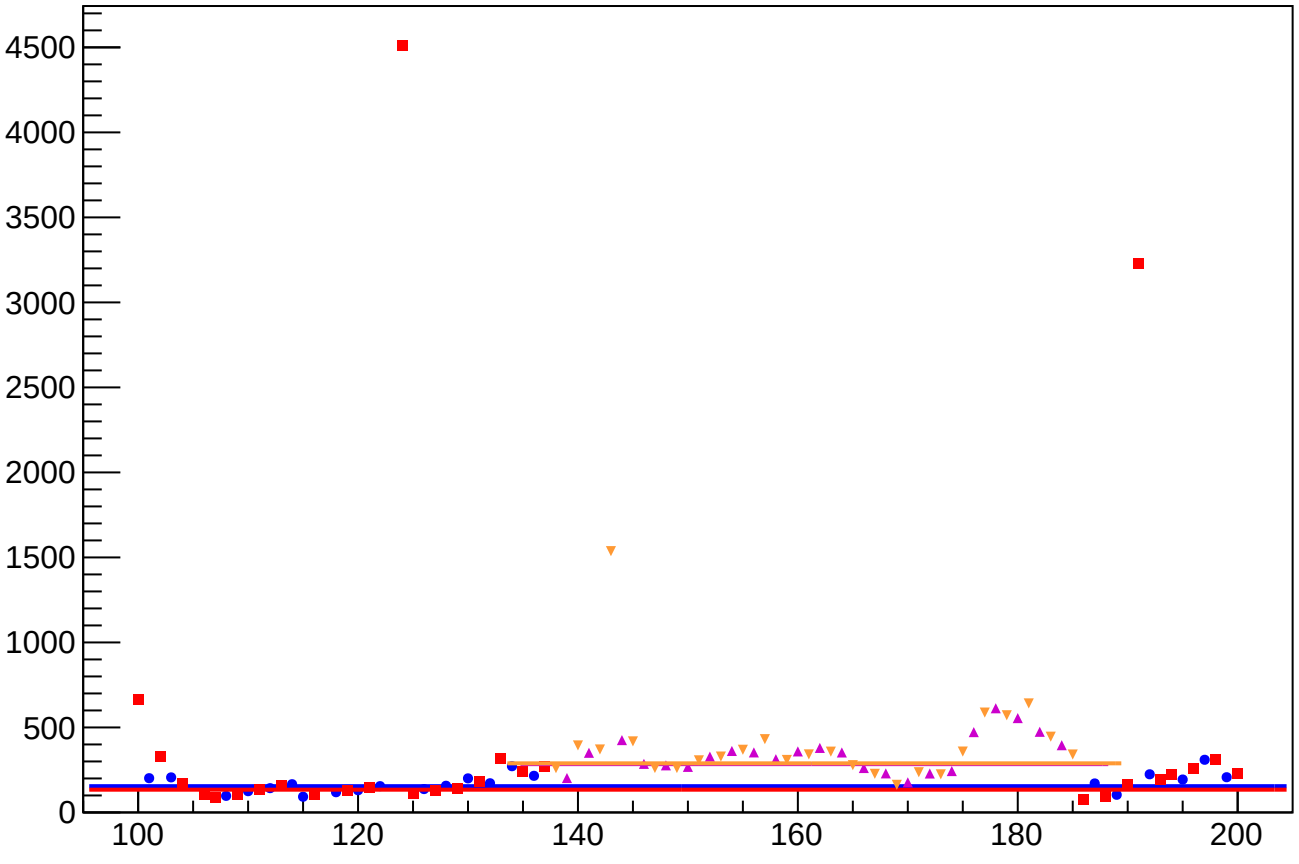
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

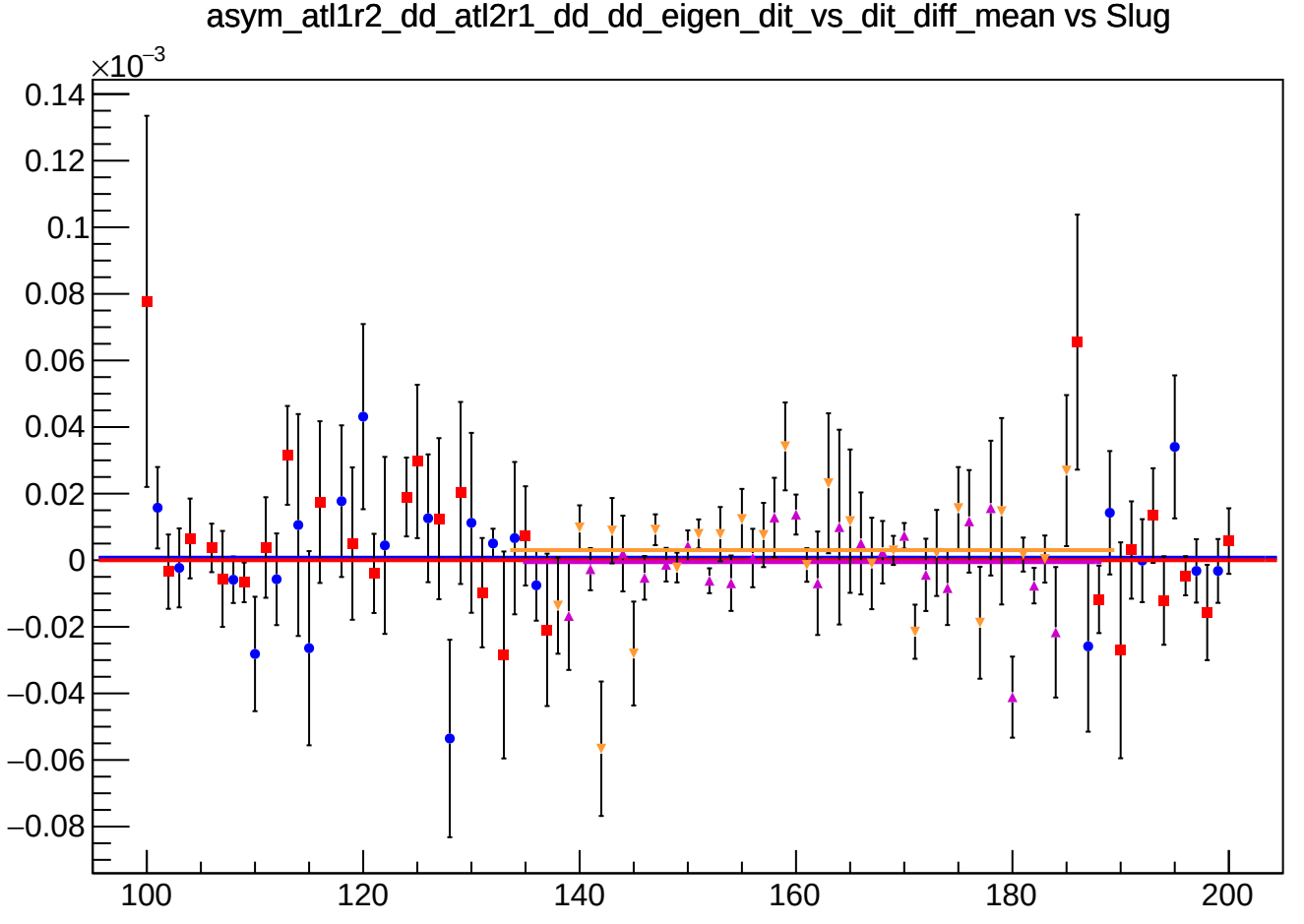
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

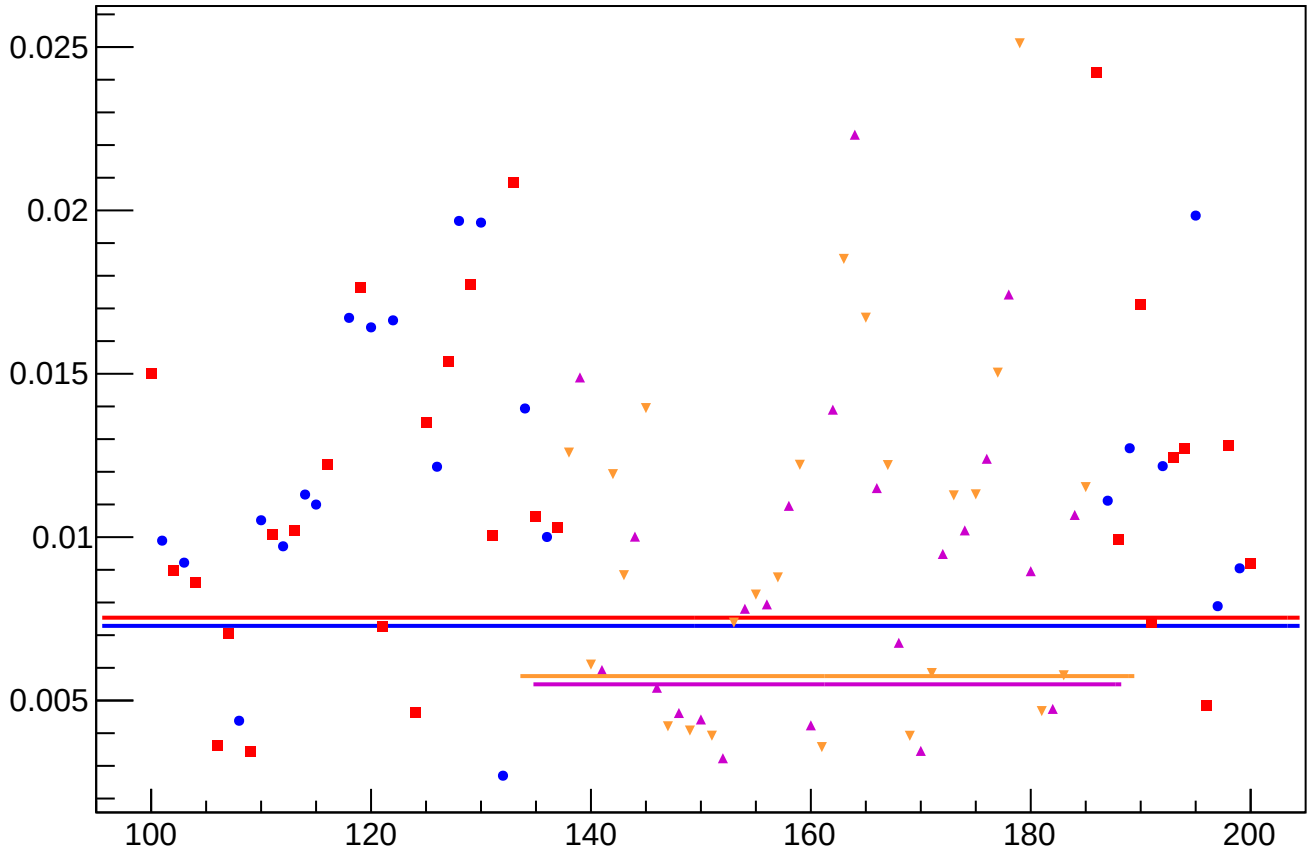
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.2/21
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.5/27
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 62.0/46
All: 0.000+/-0.000 χ²/NDF: 123.2/97
- sign -0.000+/-0.000 χ²/NDF: 58.7/50



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

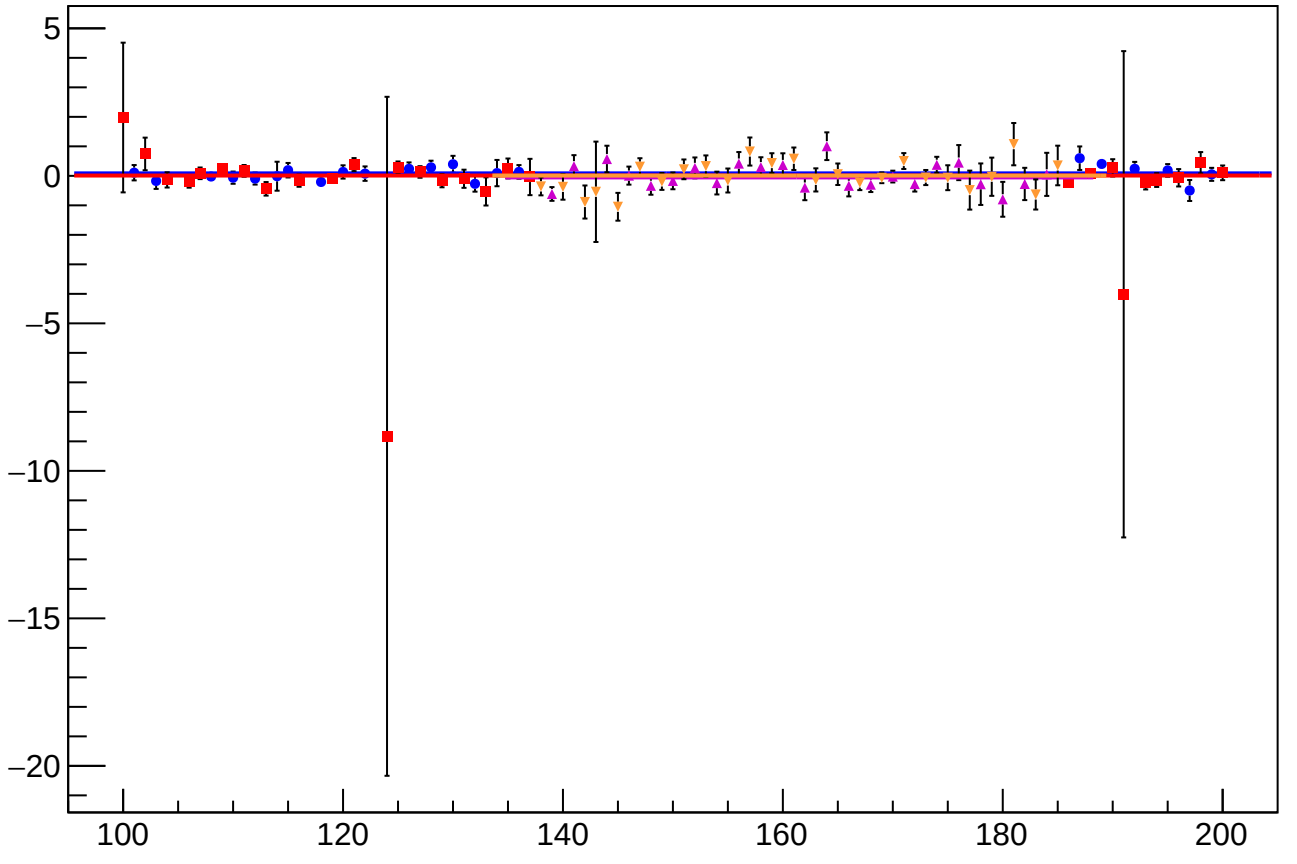
Right Out: 0.008+/-0.000 χ^2/NDF: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

\- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

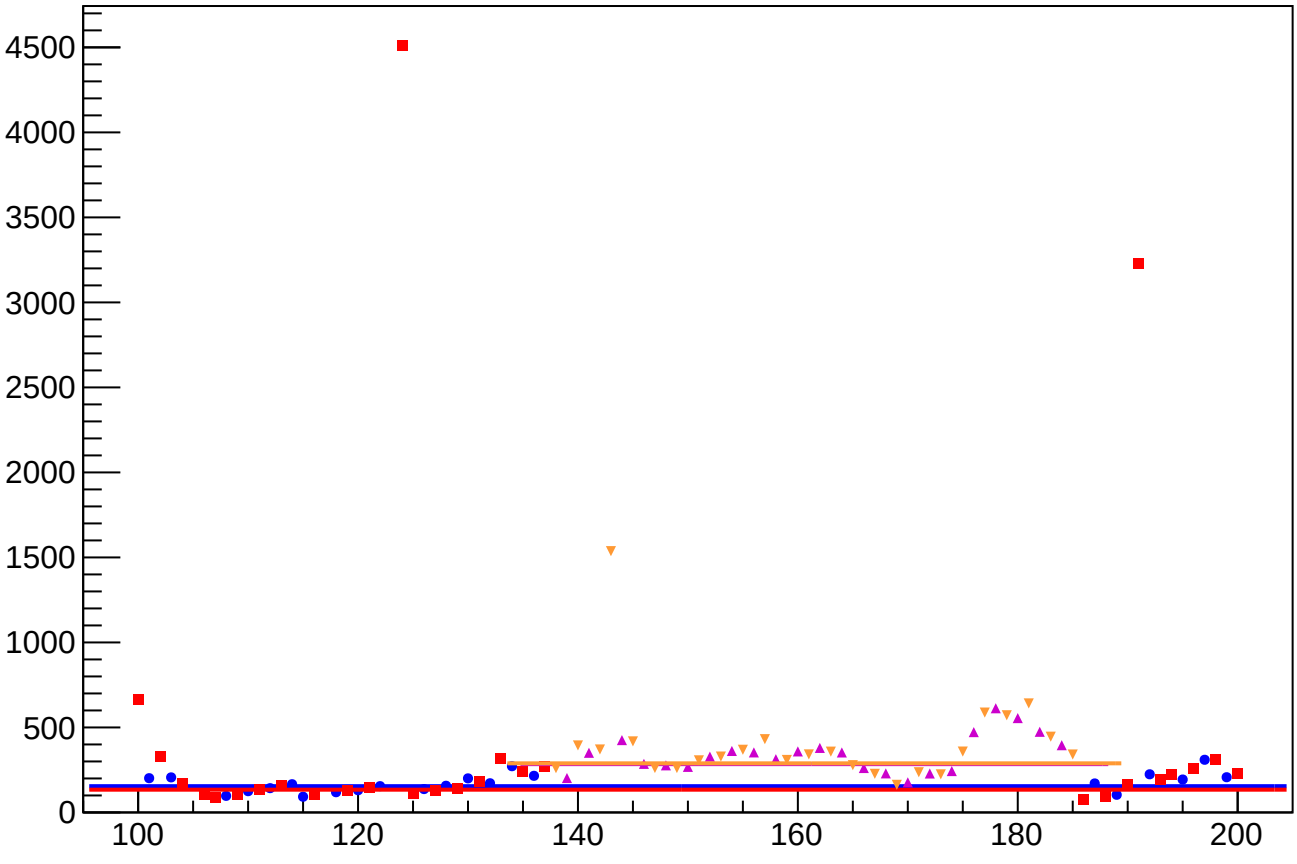
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

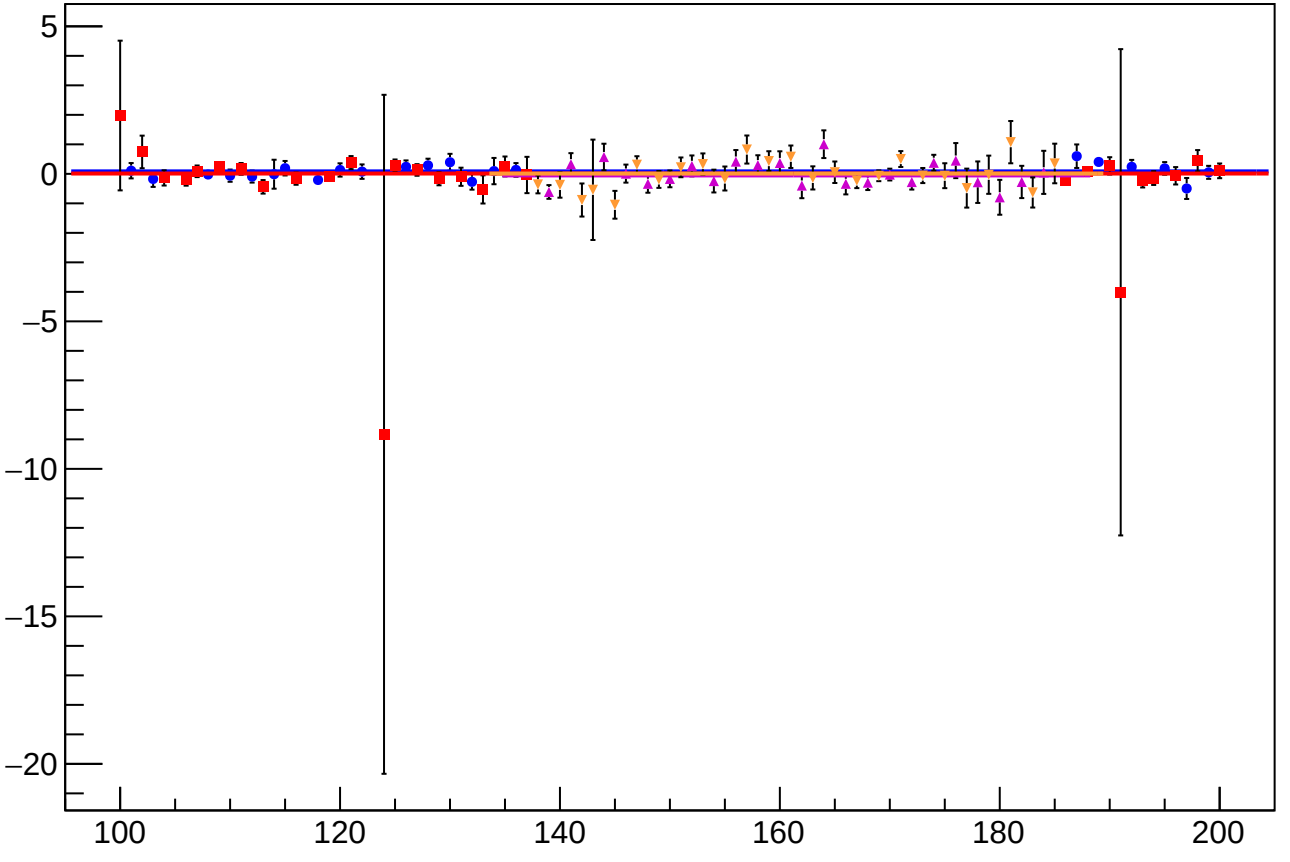
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

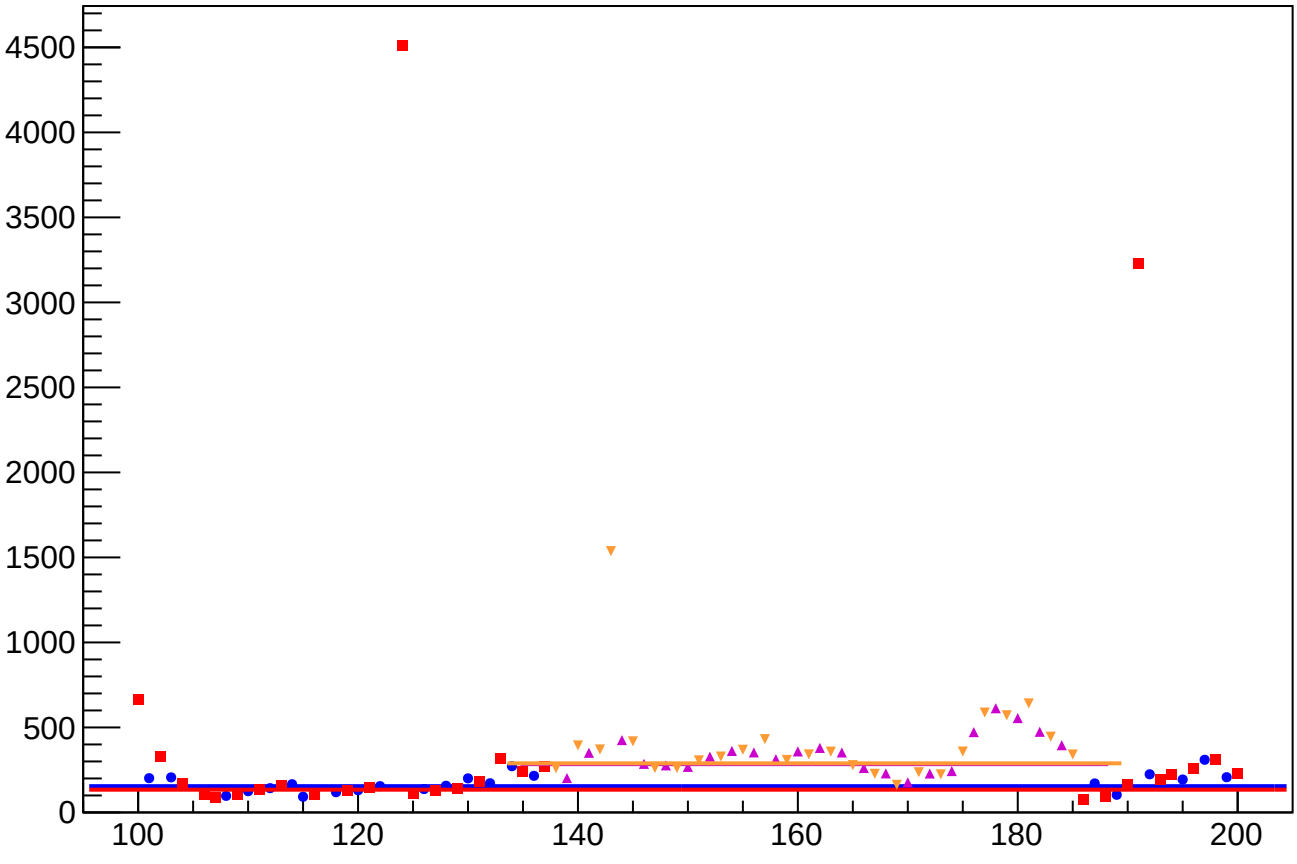
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.023+/-0.027 χ^2/NDF: 108.5/97

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

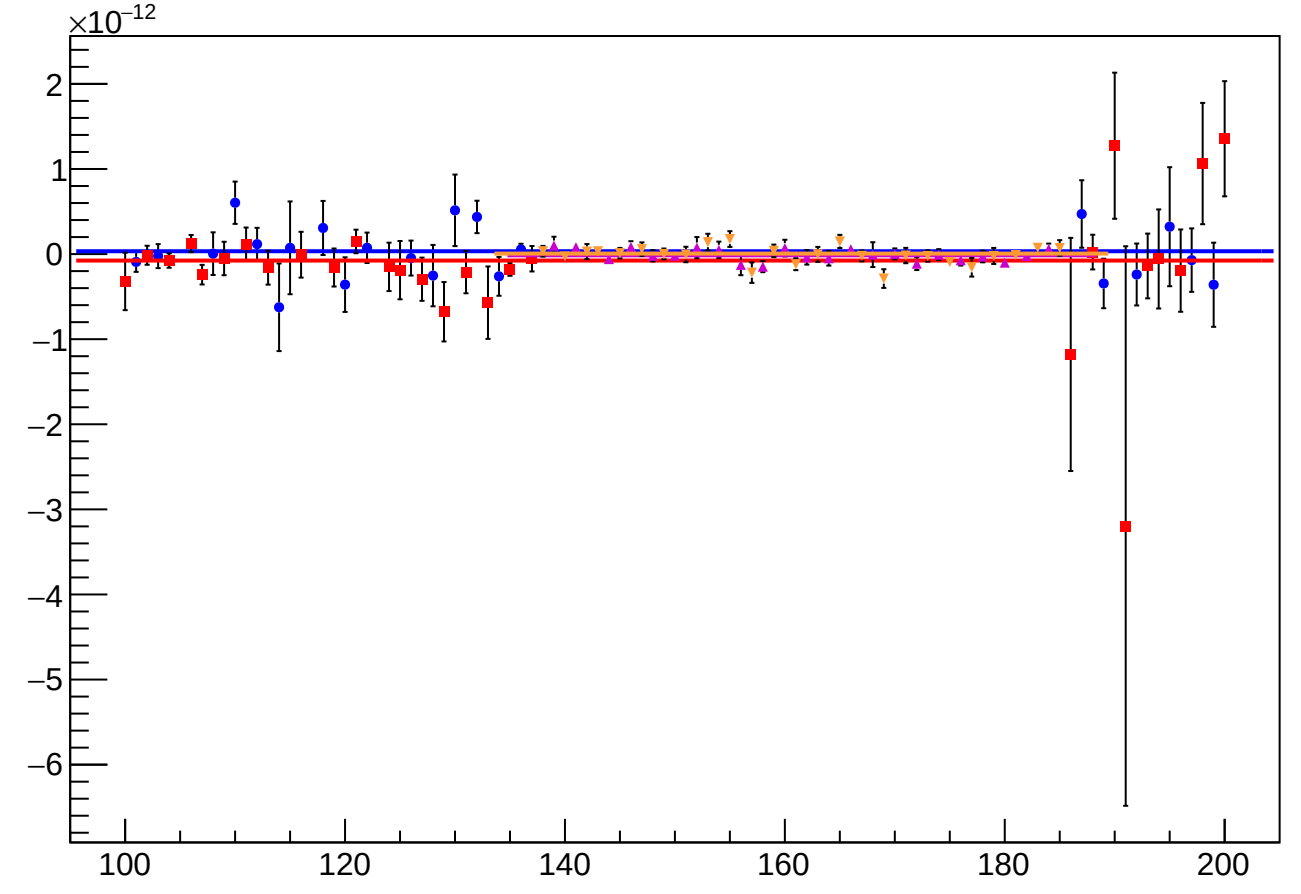
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

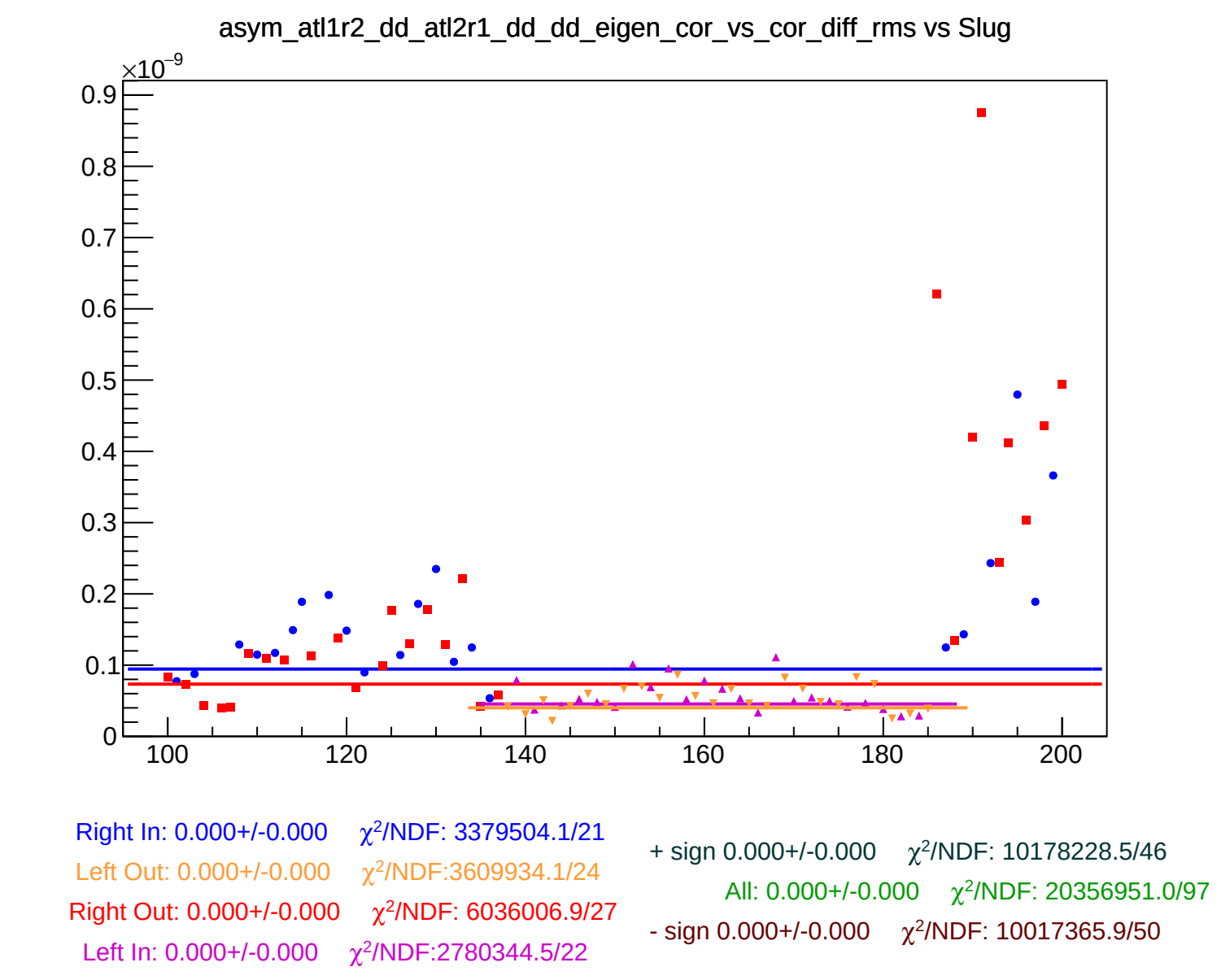
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

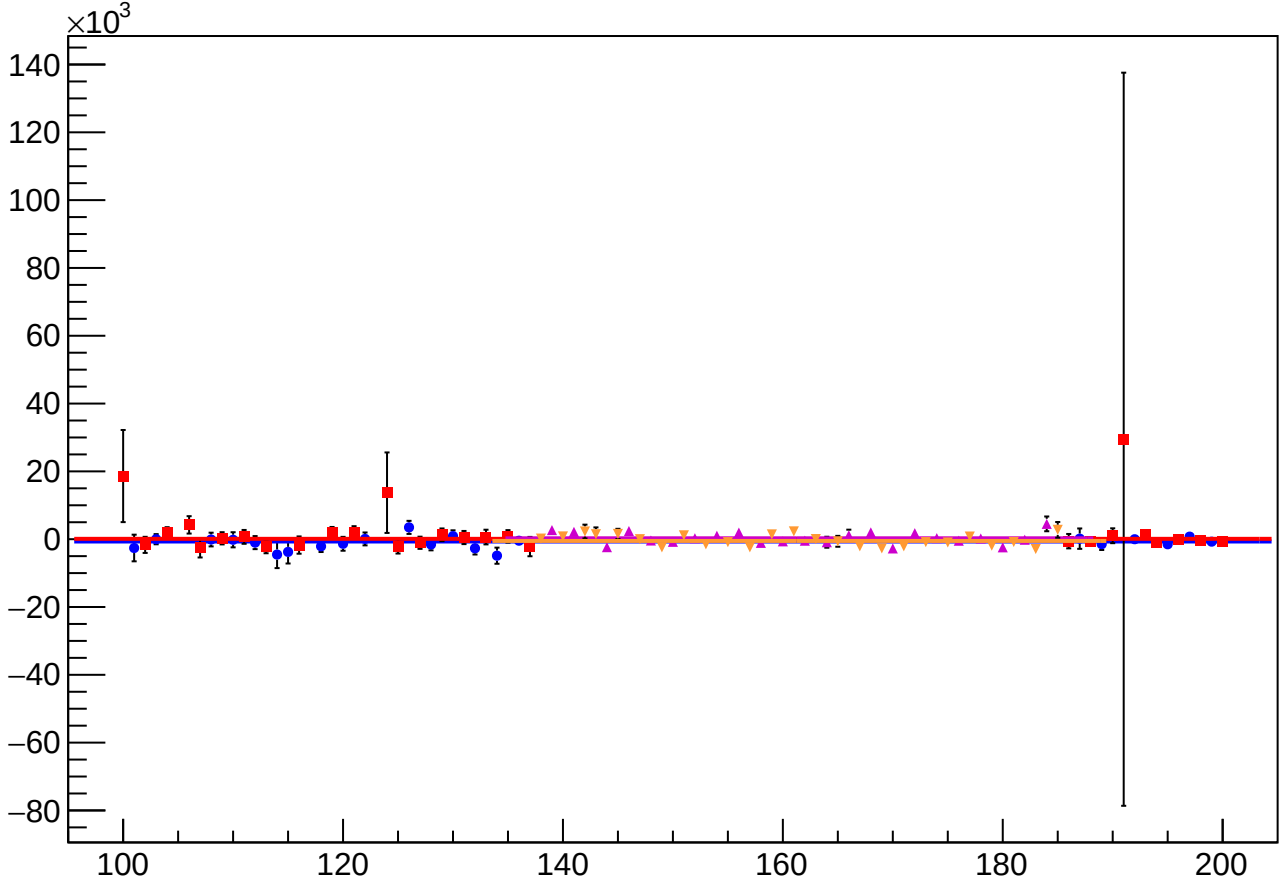
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 117.0/97

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3379504.1/21
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6036006.9/27
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 10178228.5/46
All: 0.000+/-0.000 χ²/NDF: 20356951.0/97
- sign 0.000+/-0.000 χ²/NDF: 10017365.9/50



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 104.047+/-358.219 χ^2/NDF: 18.5/27

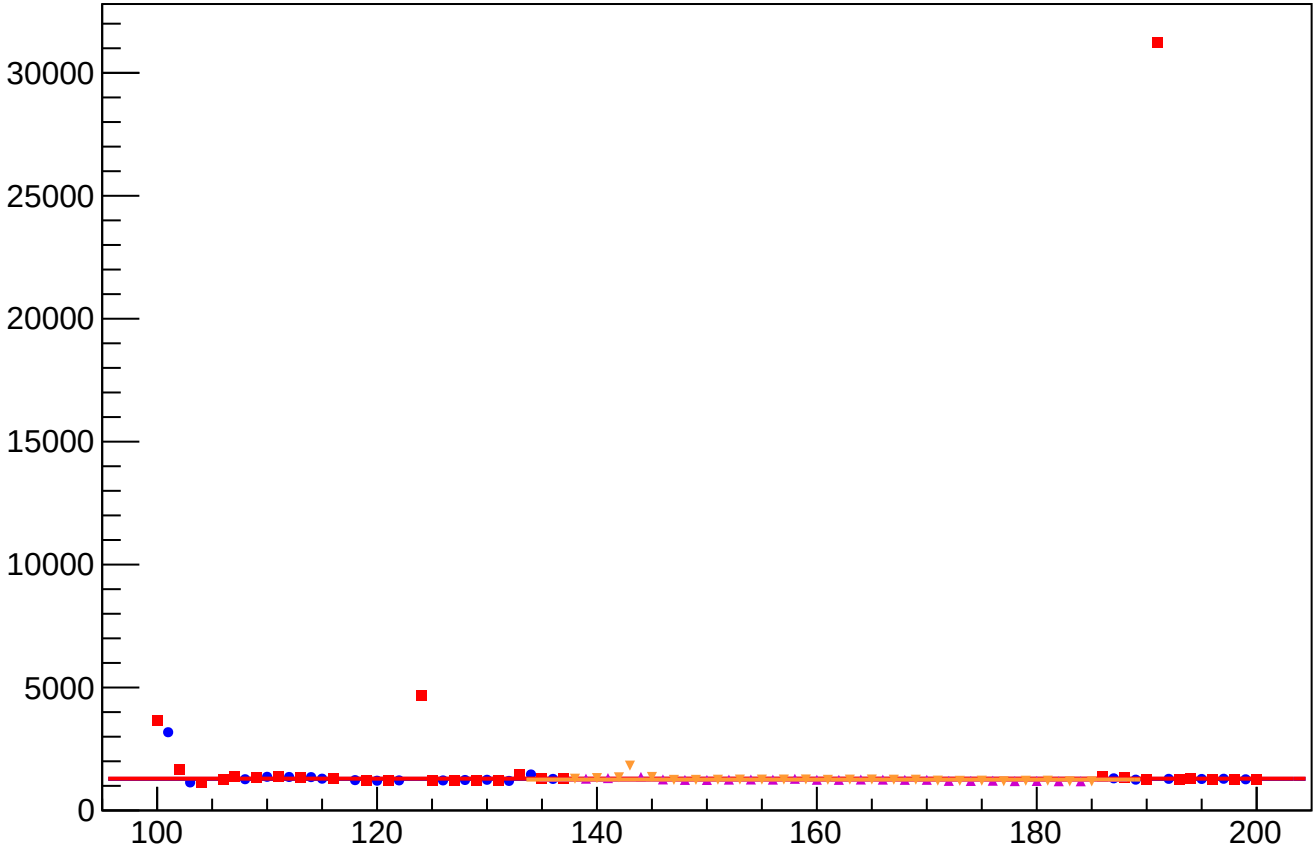
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -574.298+/-228.980 χ^2/NDF: 46.5/46

All: -188.299+/-160.829 χ^2/NDF: 102.7/97

- sign 187.530+/-225.943 χ^2/NDF: 50.6/50

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

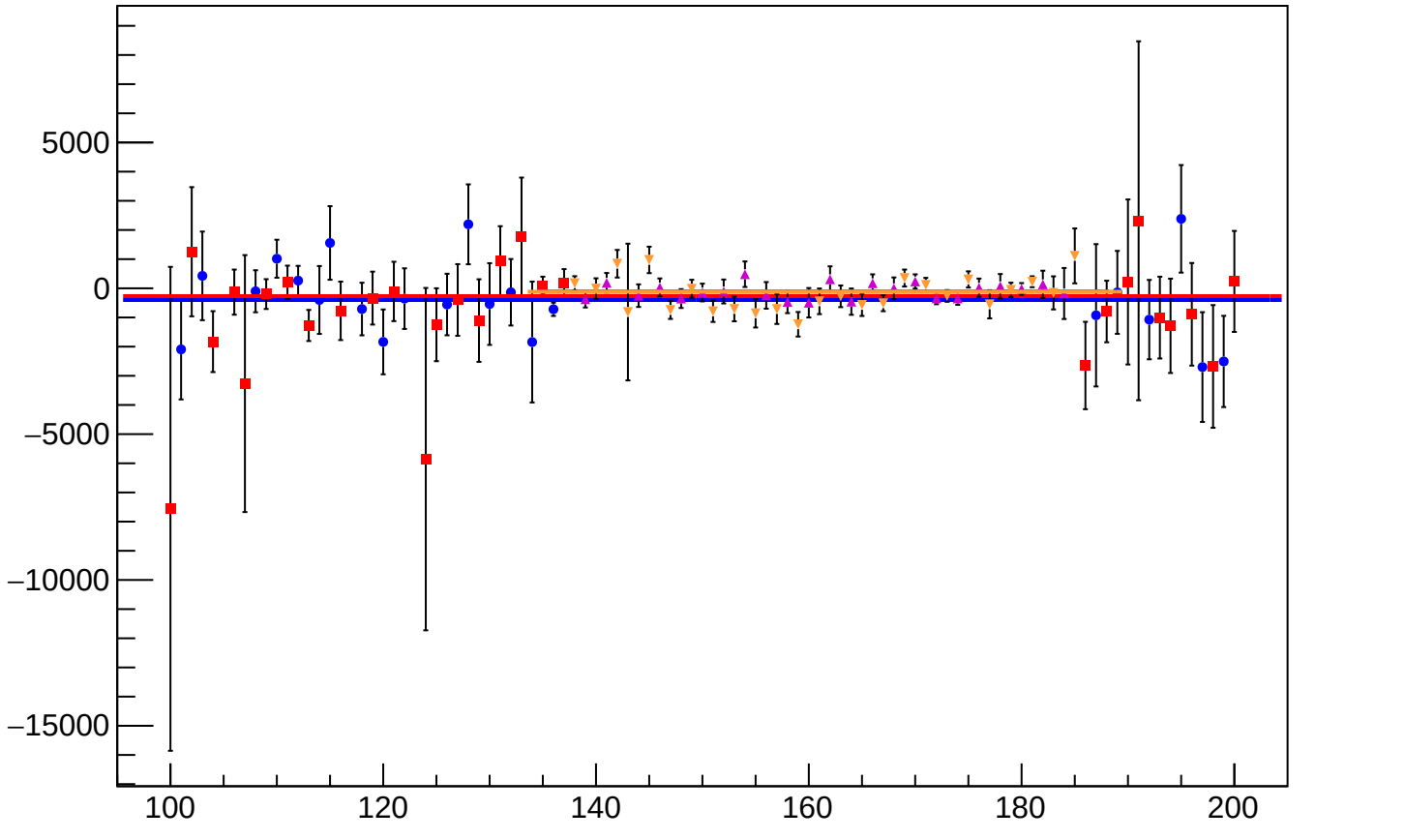
Right Out: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729068.0/46

All: 1265.483+/-0.114 χ^2/NDF: 1281368.0/97

- sign 1265.571+/-0.160 χ^2/NDF: 552299.3/50



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -267.969+/-162.126 χ^2/NDF: 20.0/27

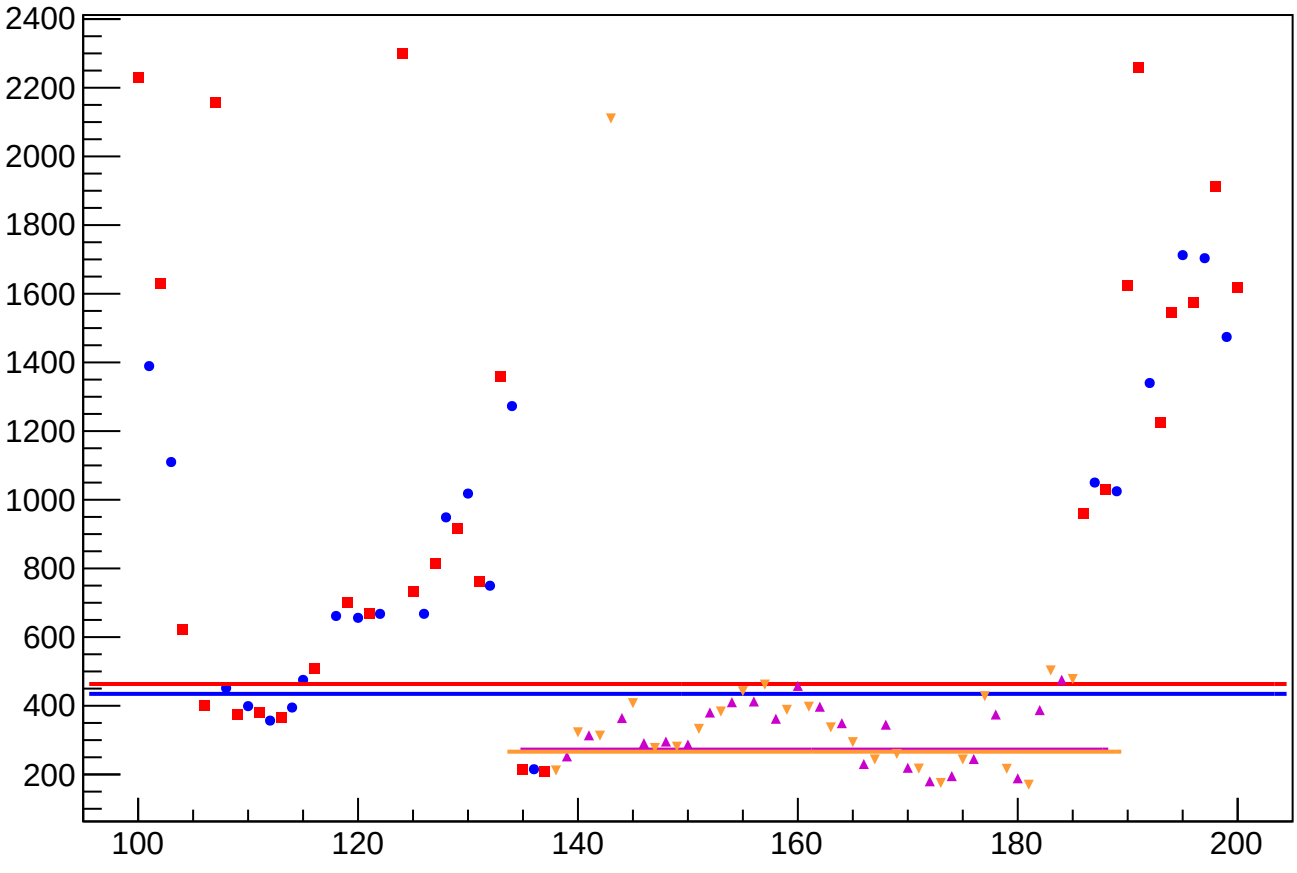
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.957+/-60.435 χ^2/NDF: 75.1/46

All: -143.671+/-43.250 χ^2/NDF: 109.8/97

- sign -130.773+/-61.921 χ^2/NDF: 34.6/50

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

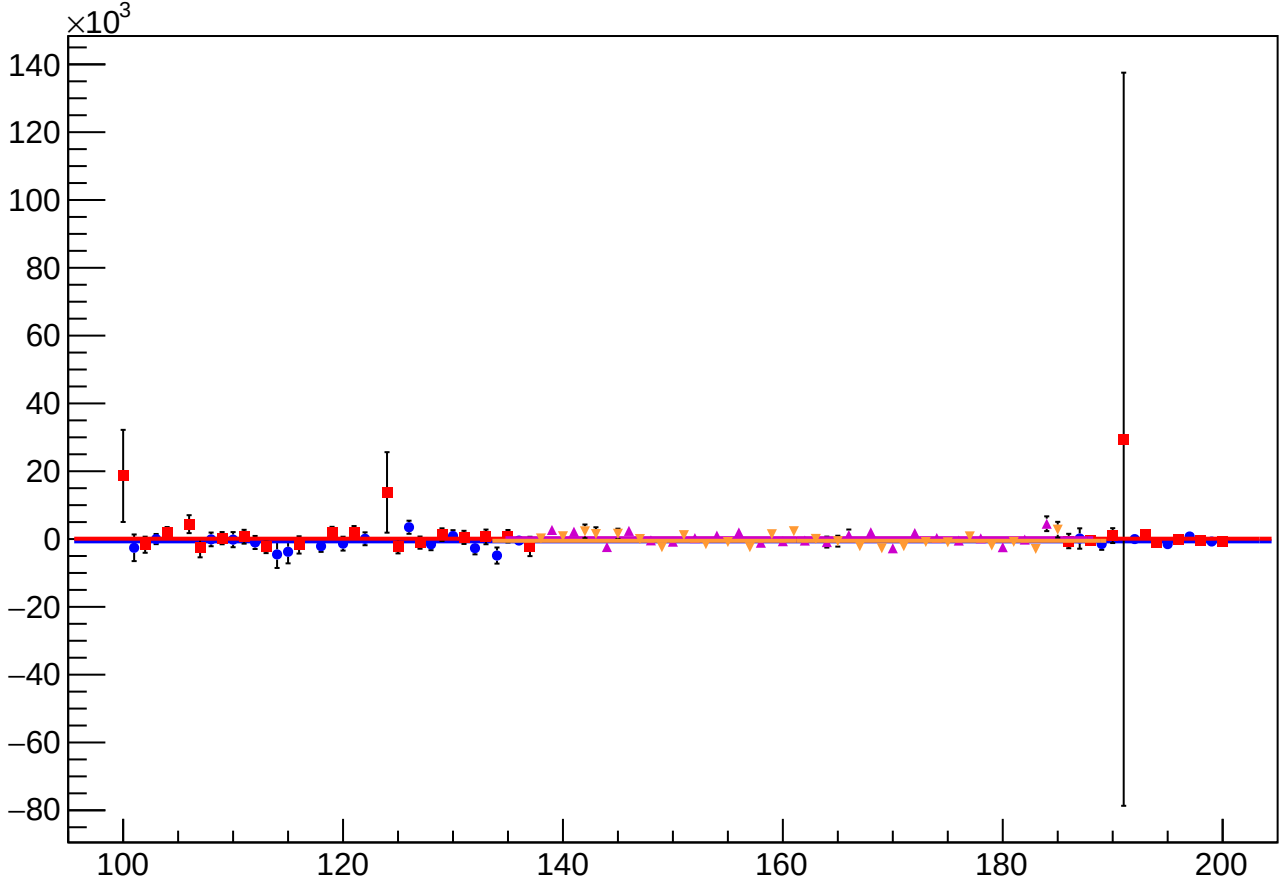
Right Out: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 289.403+/-0.043 χ^2/NDF: 15003249.4/46

All: 294.692+/-0.031 χ^2/NDF: 30224837.3/97

- sign 300.245+/-0.044 χ^2/NDF: 15190190.5/50



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 102.318+/-358.428 χ^2/NDF: 18.6/27

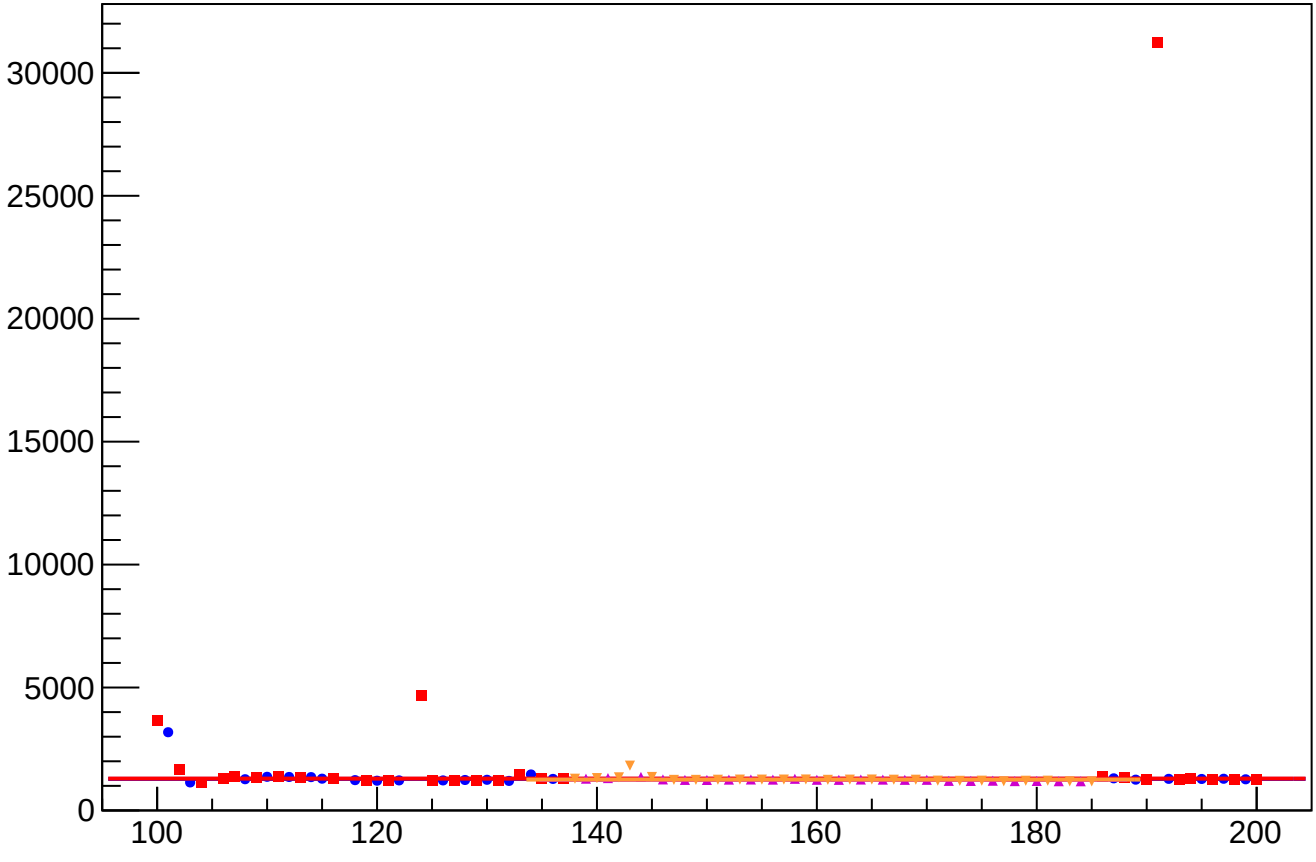
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -188.669+/-160.848 χ^2/NDF: 102.7/97

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

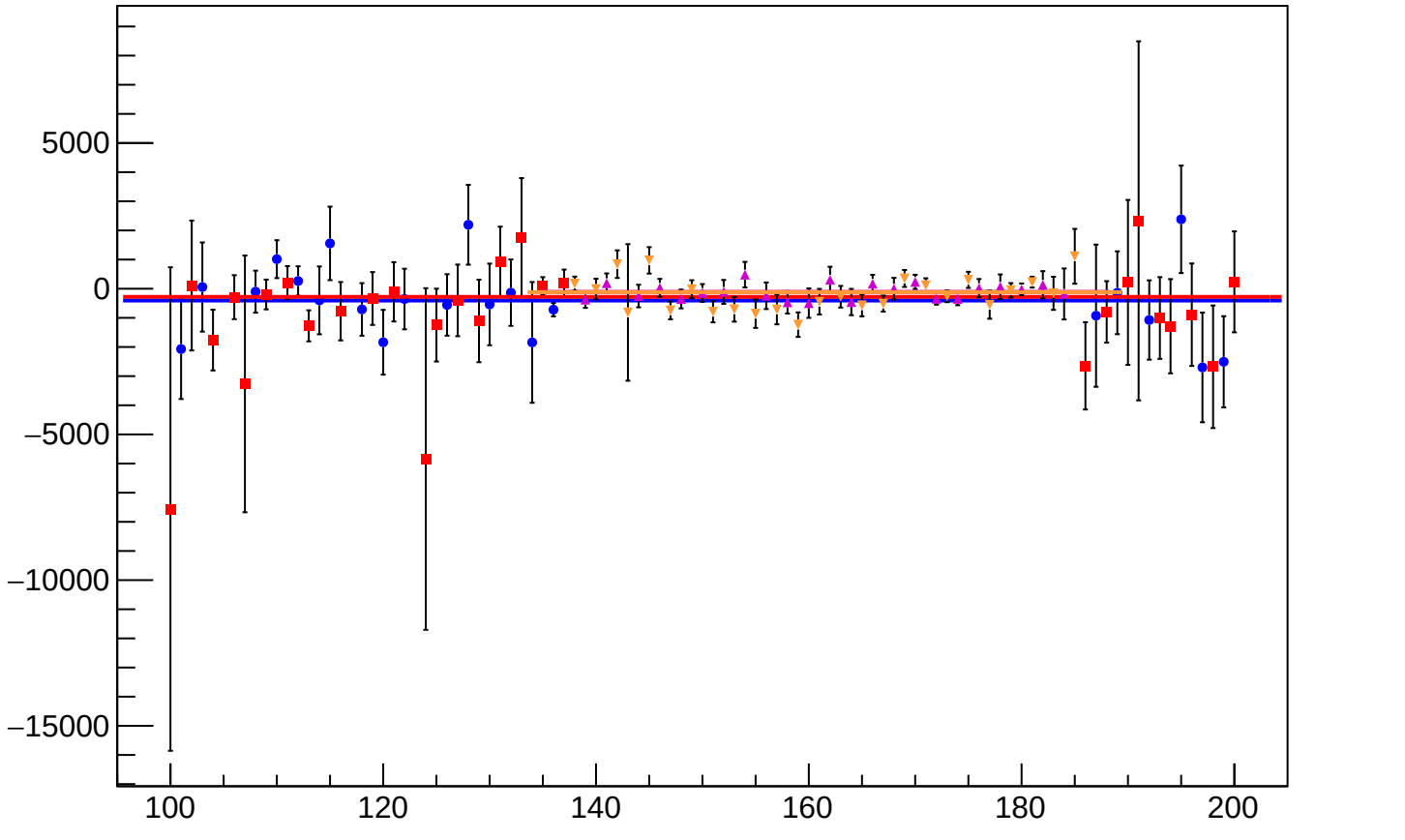
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

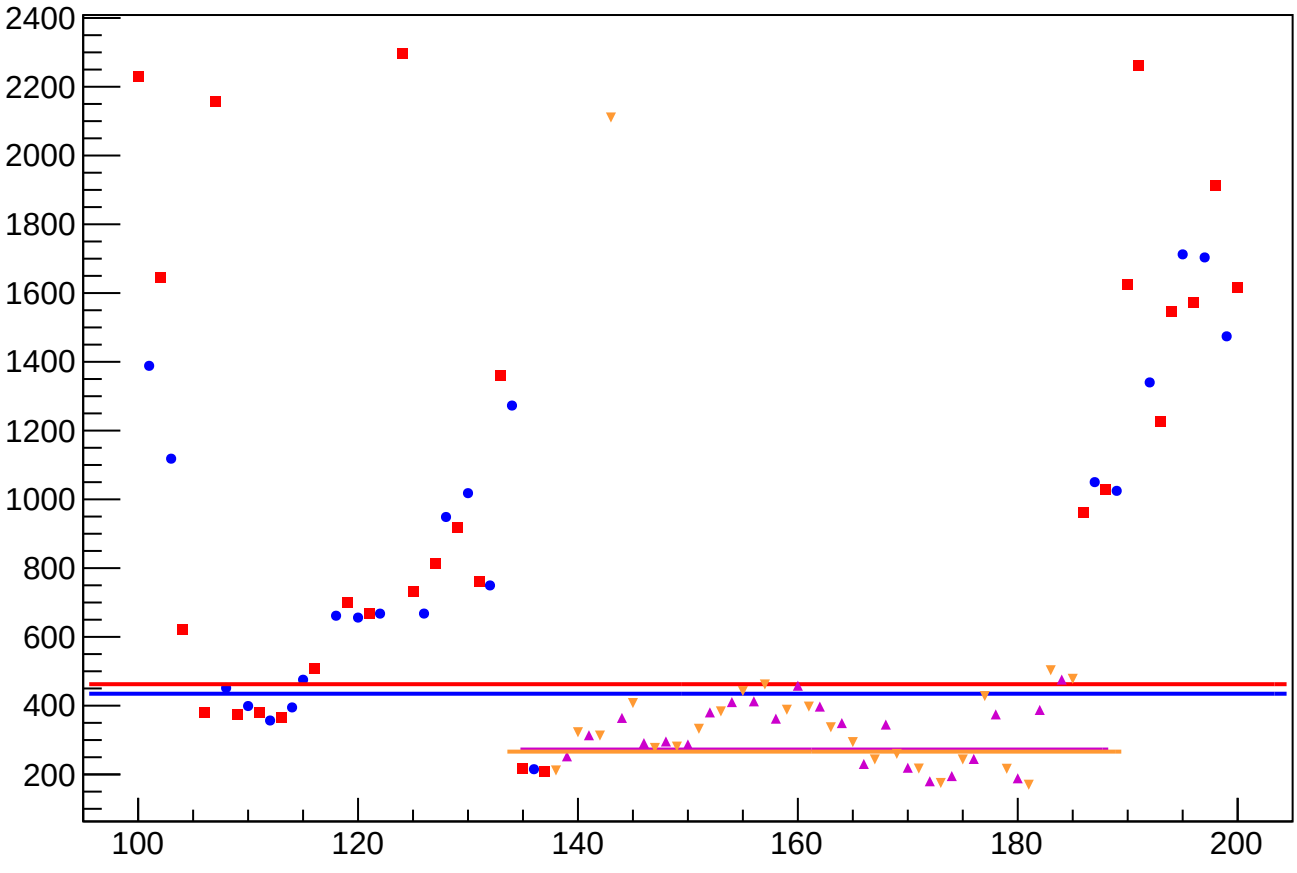
Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -144.867+/-43.248 χ^2/NDF: 109.1/97

\- sign -132.656+/-61.913 χ^2/NDF: 34.1/50



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

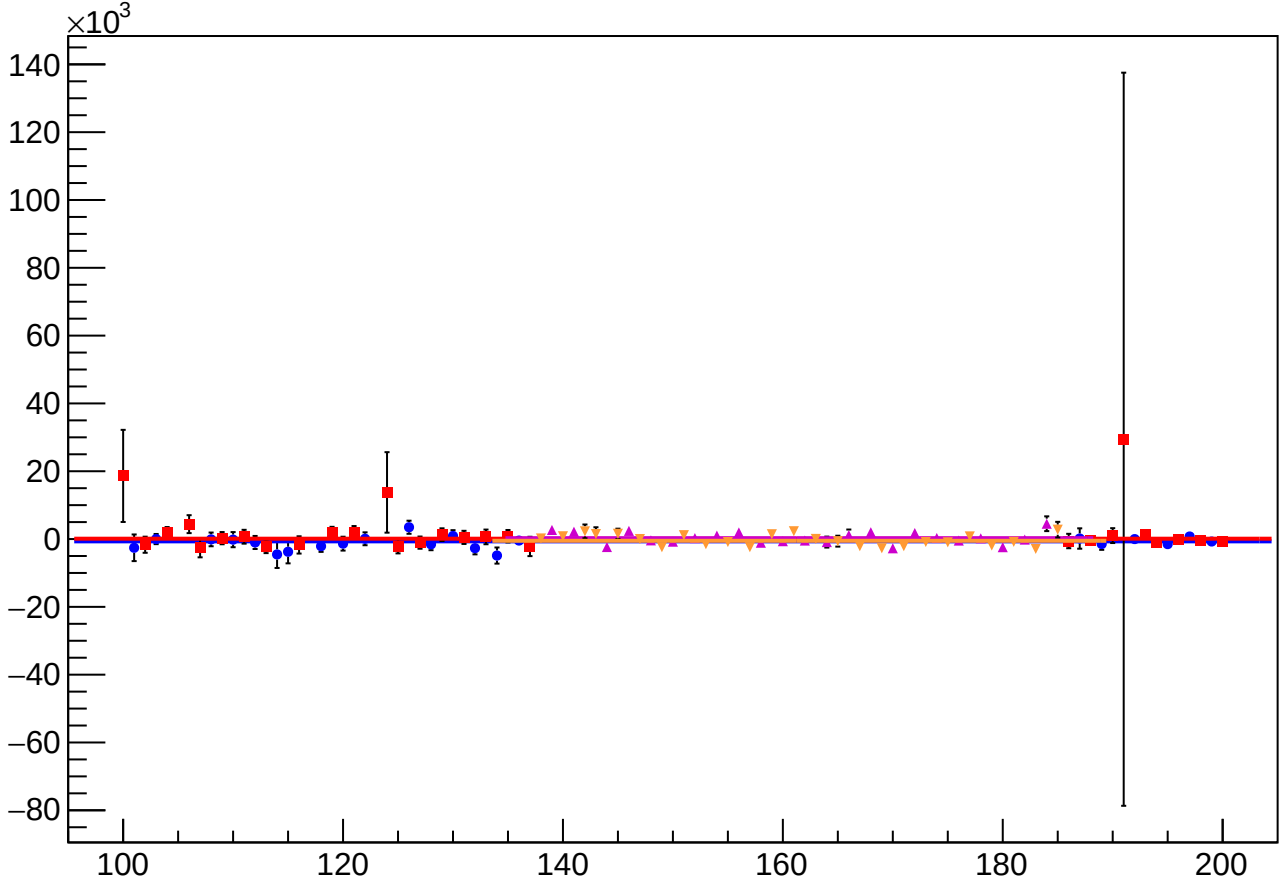
Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 102.318+/-358.428 χ^2/NDF: 18.6/27

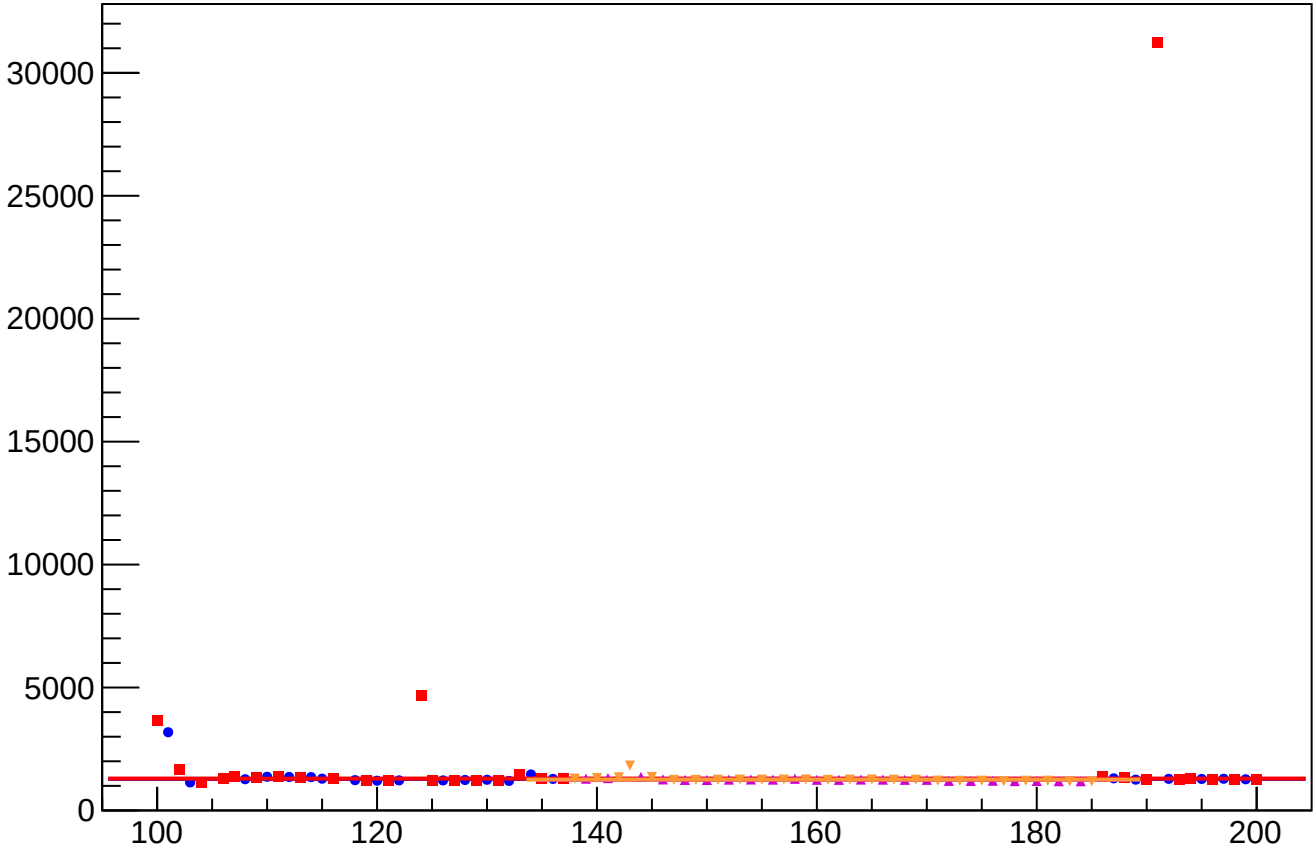
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -188.669+/-160.848 χ^2/NDF: 102.7/97

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

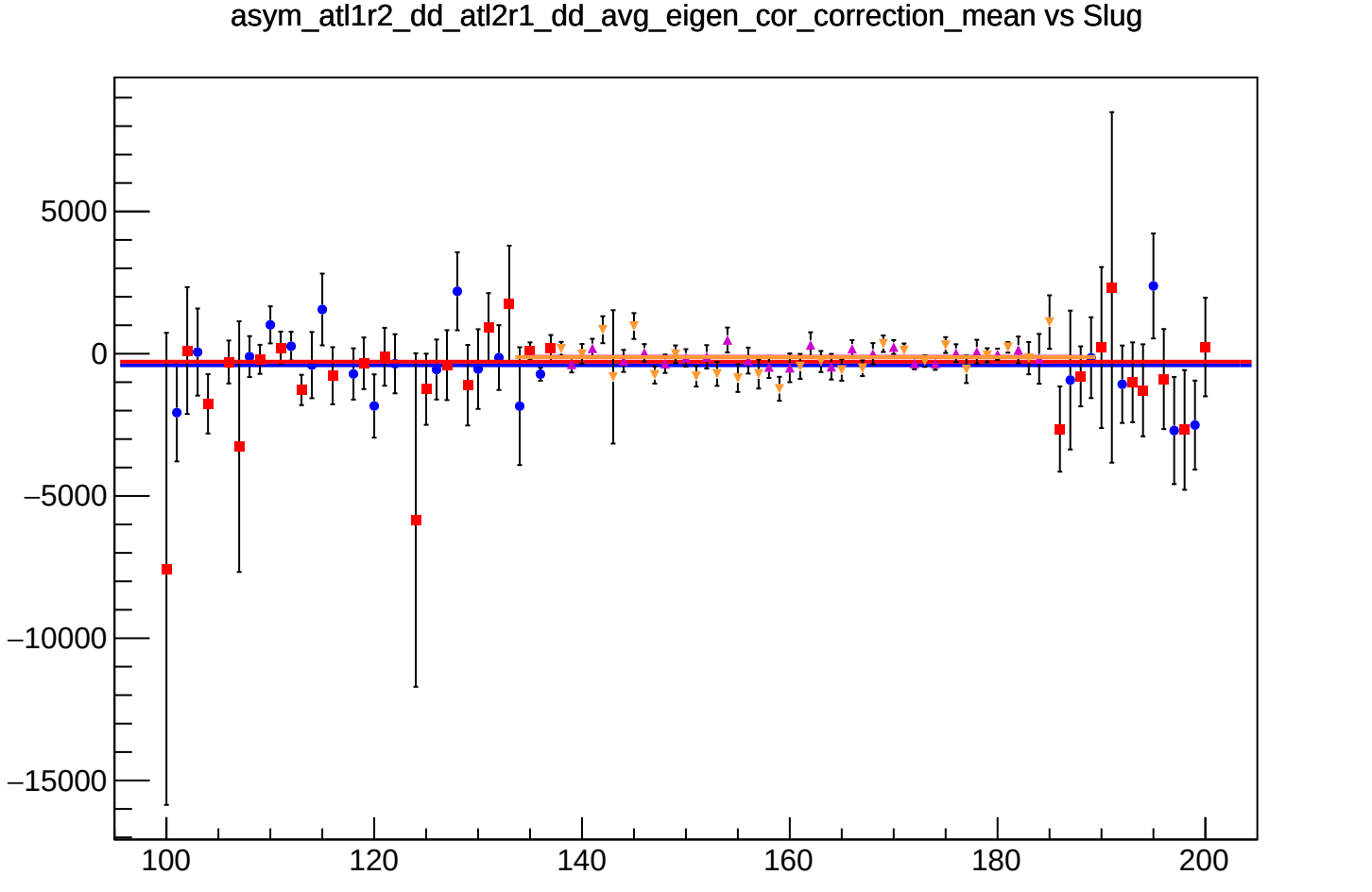
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

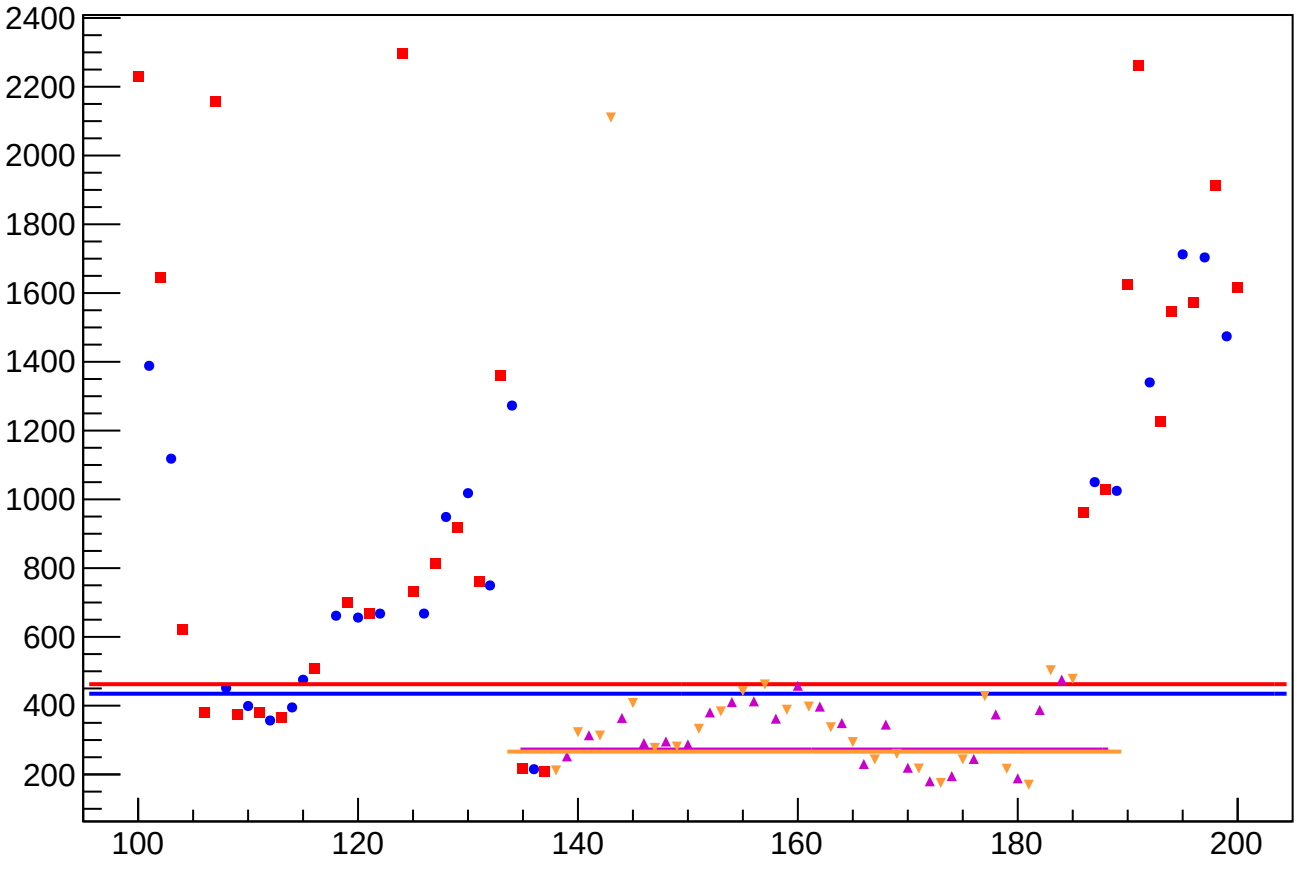
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -144.867+/-43.248 χ^2/NDF: 109.1/97

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

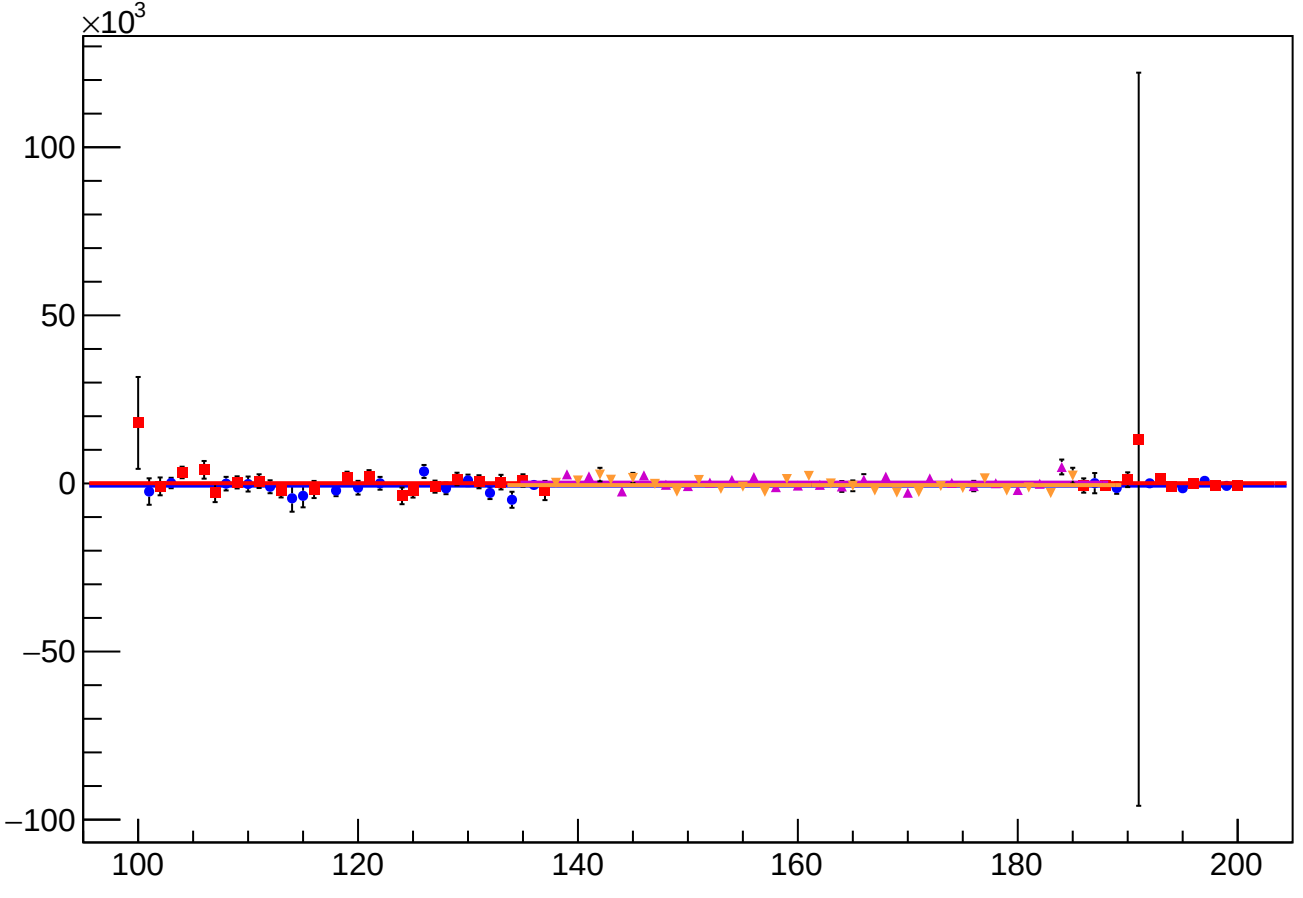
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 77.206+/-357.247 χ^2/NDF: 20.4/27

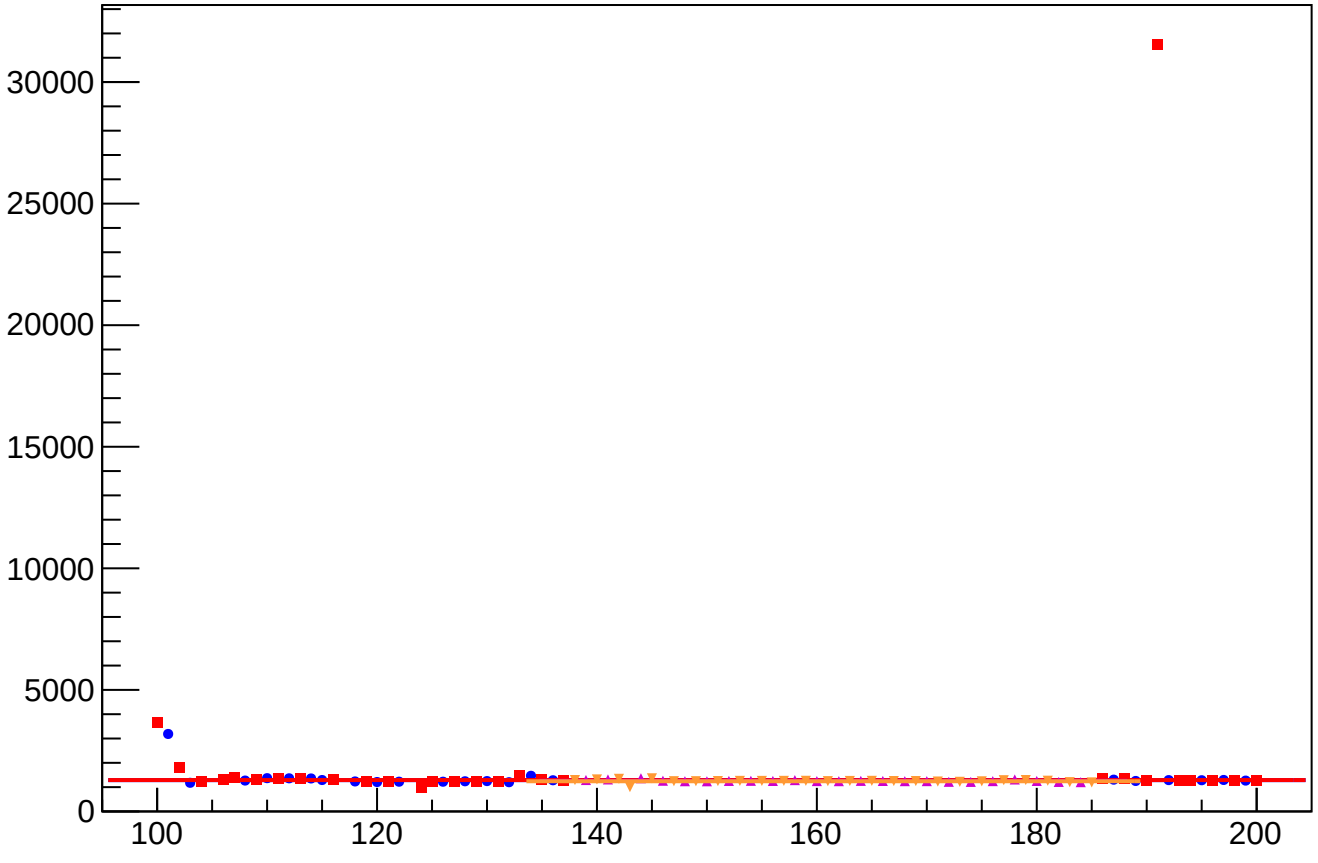
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.684+/-227.621 χ^2/NDF: 49.8/46

All: -185.936+/-160.792 χ^2/NDF: 106.1/97

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

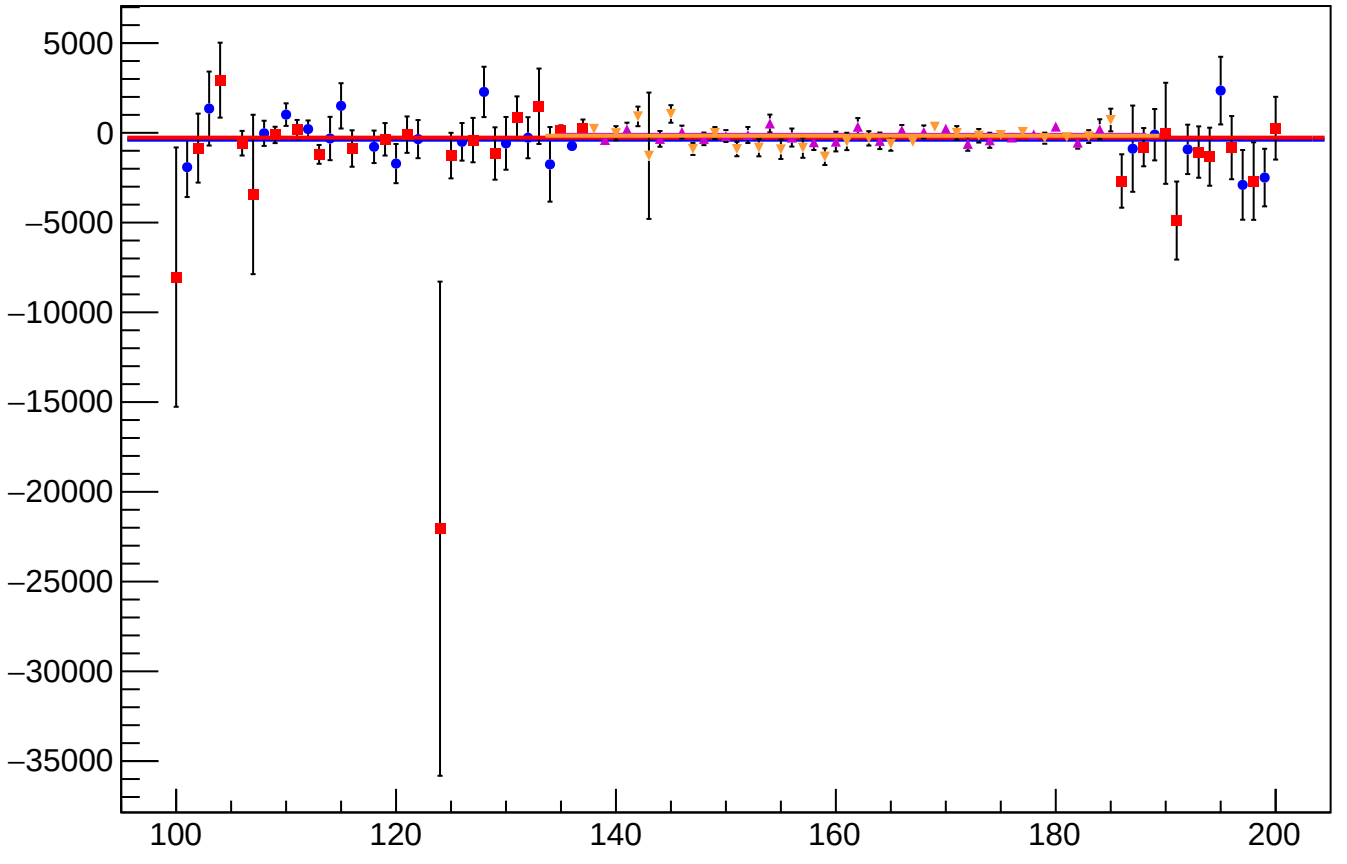
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659071.0/46

All: 1265.667+/-0.114 χ^2/NDF: 1072603.5/97

- sign 1272.769+/-0.161 χ^2/NDF: 409615.3/50



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

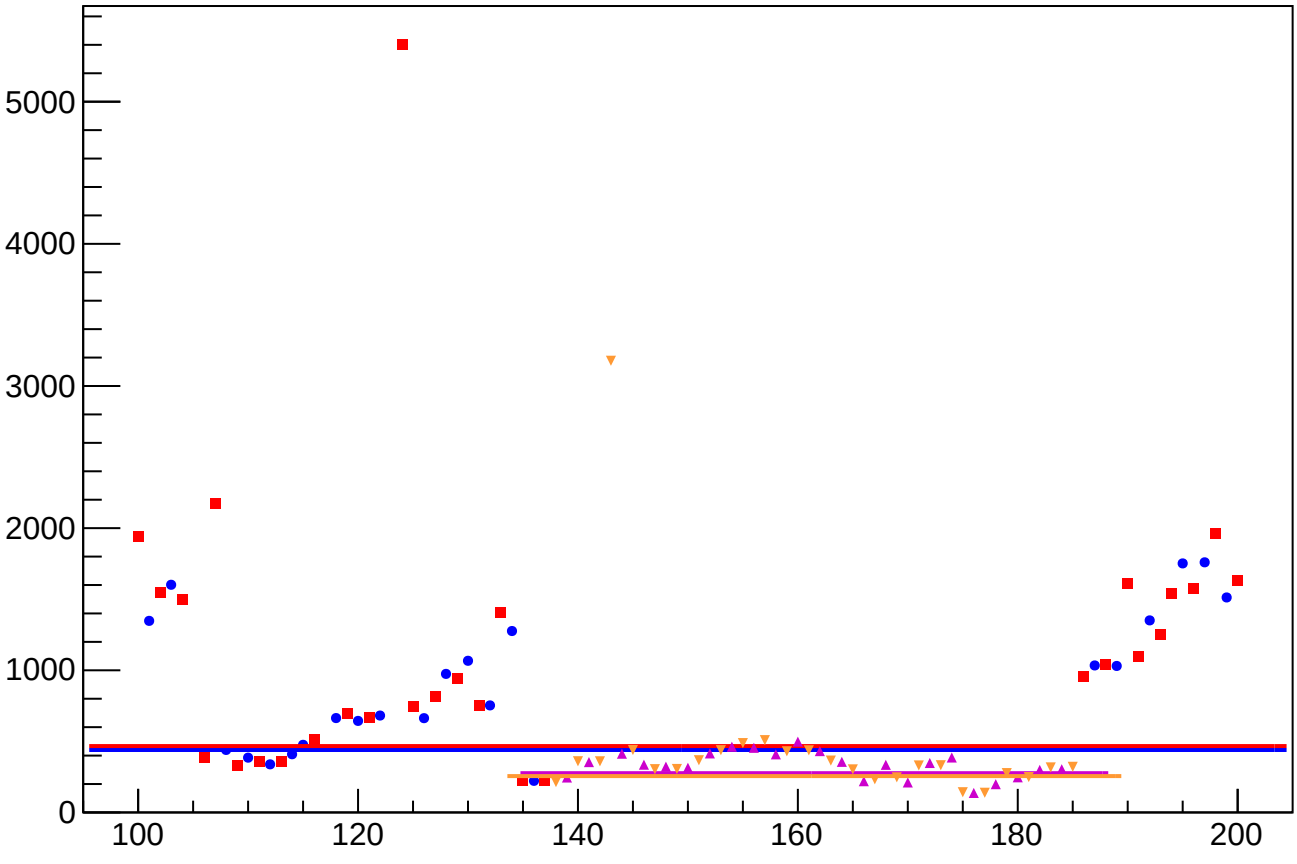
Right Out: -268.182+/-161.913 χ^2/NDF: 25.9/27

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -190.047+/-59.775 χ^2/NDF: 69.5/46

All: -165.237+/-43.477 χ^2/NDF: 114.7/97

- sign -137.369+/-63.352 χ^2/NDF: 44.8/50



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

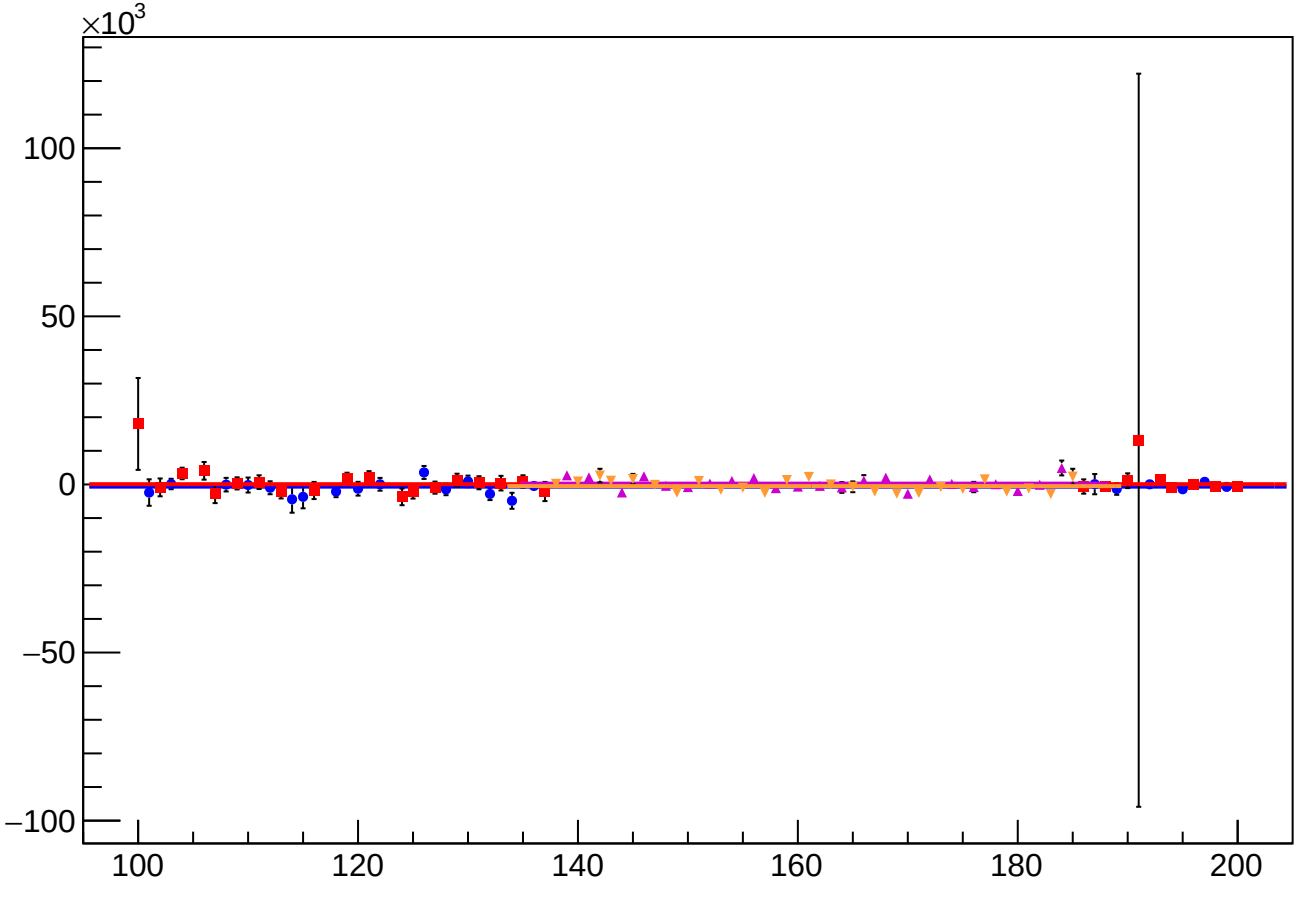
Right Out: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 279.877+/-0.042 χ^2/NDF: 17209863.3/46

All: 291.938+/-0.031 χ^2/NDF: 34214073.6/97

- sign 305.487+/-0.045 χ^2/NDF: 16831306.7/50



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

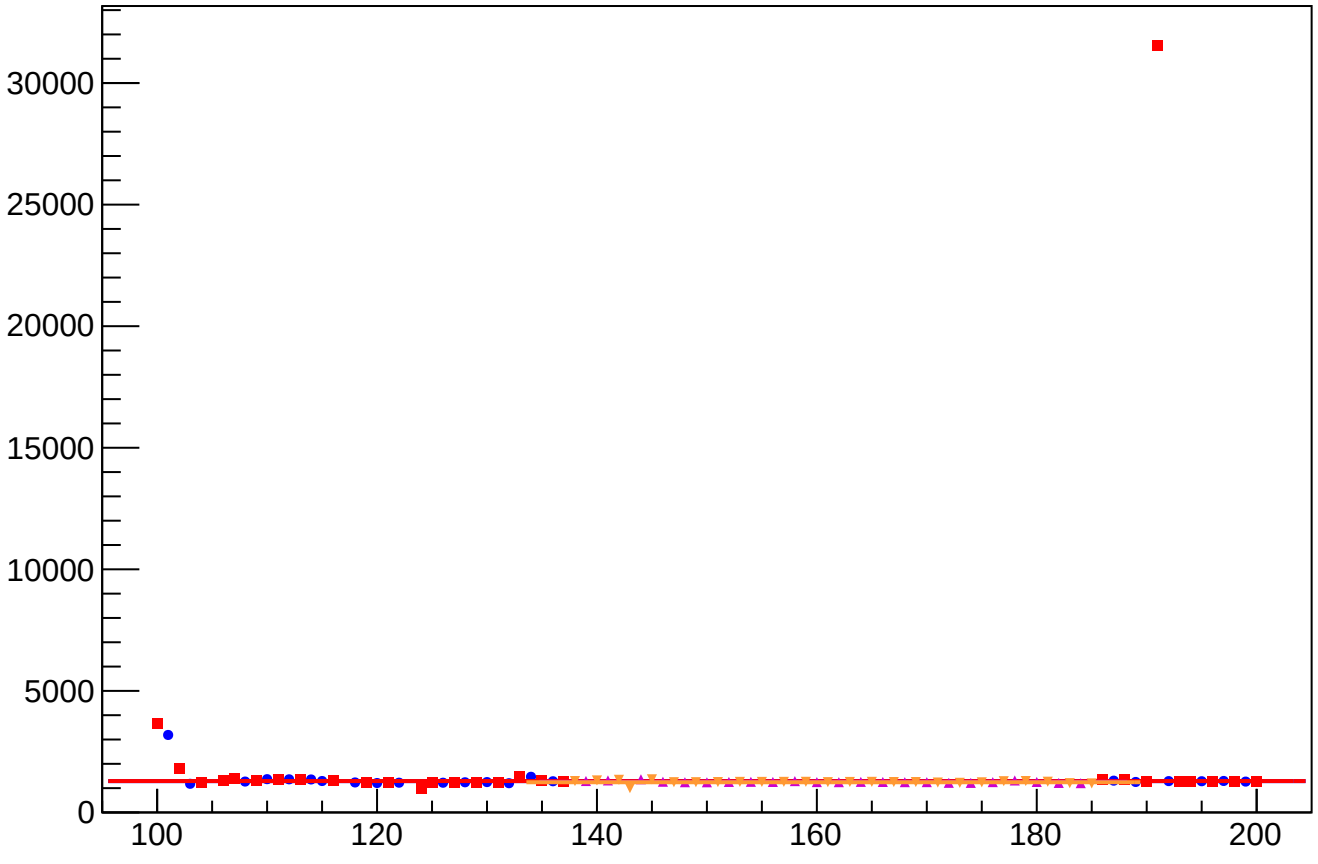
Right Out: 77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.685+/-227.621 χ^2/NDF: 49.8/46

All: -185.936+/-160.792 χ^2/NDF: 106.1/97

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

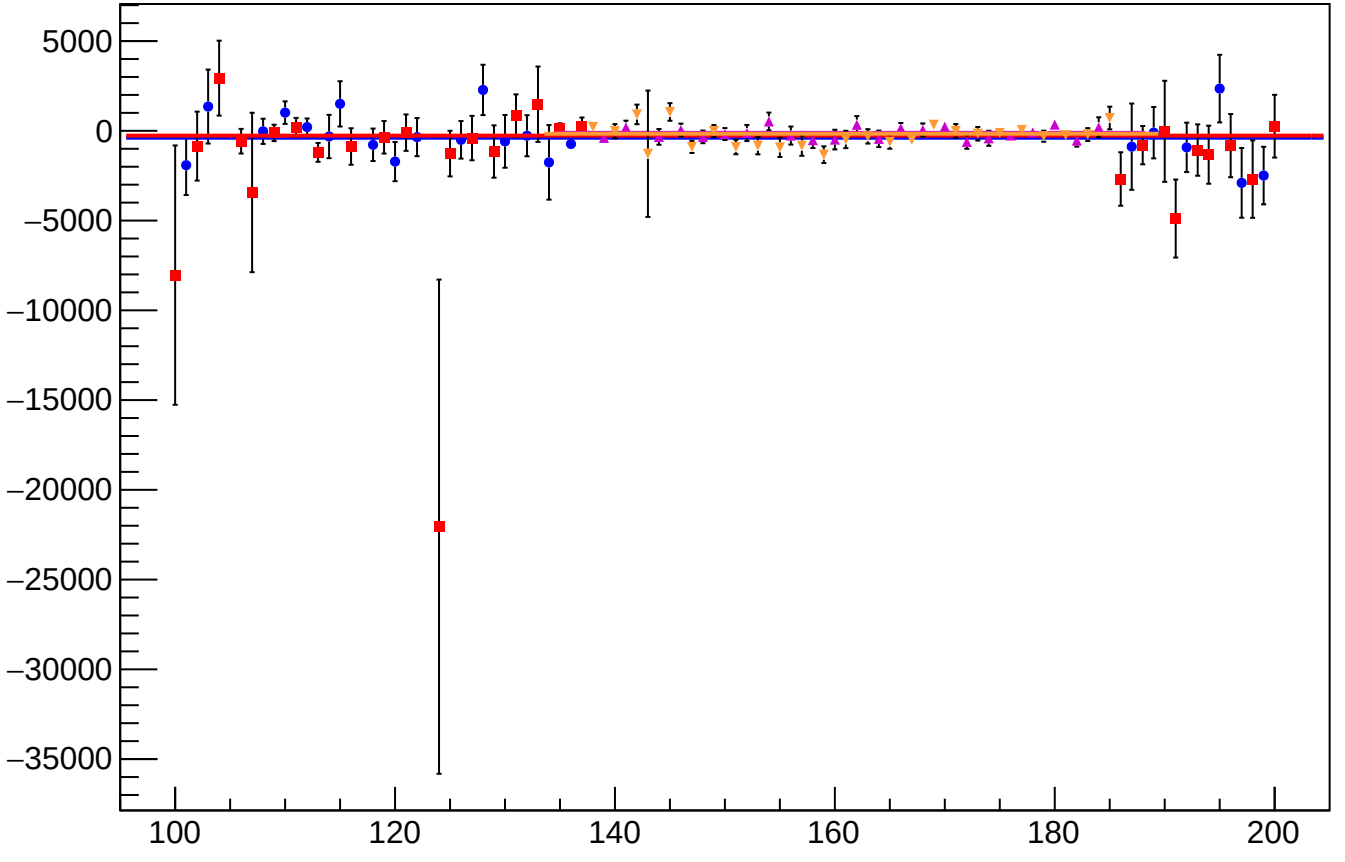
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659070.0/46

All: 1265.667+/-0.114 χ^2/NDF: 1072602.9/97

- sign 1272.769+/-0.161 χ^2/NDF: 409615.6/50

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

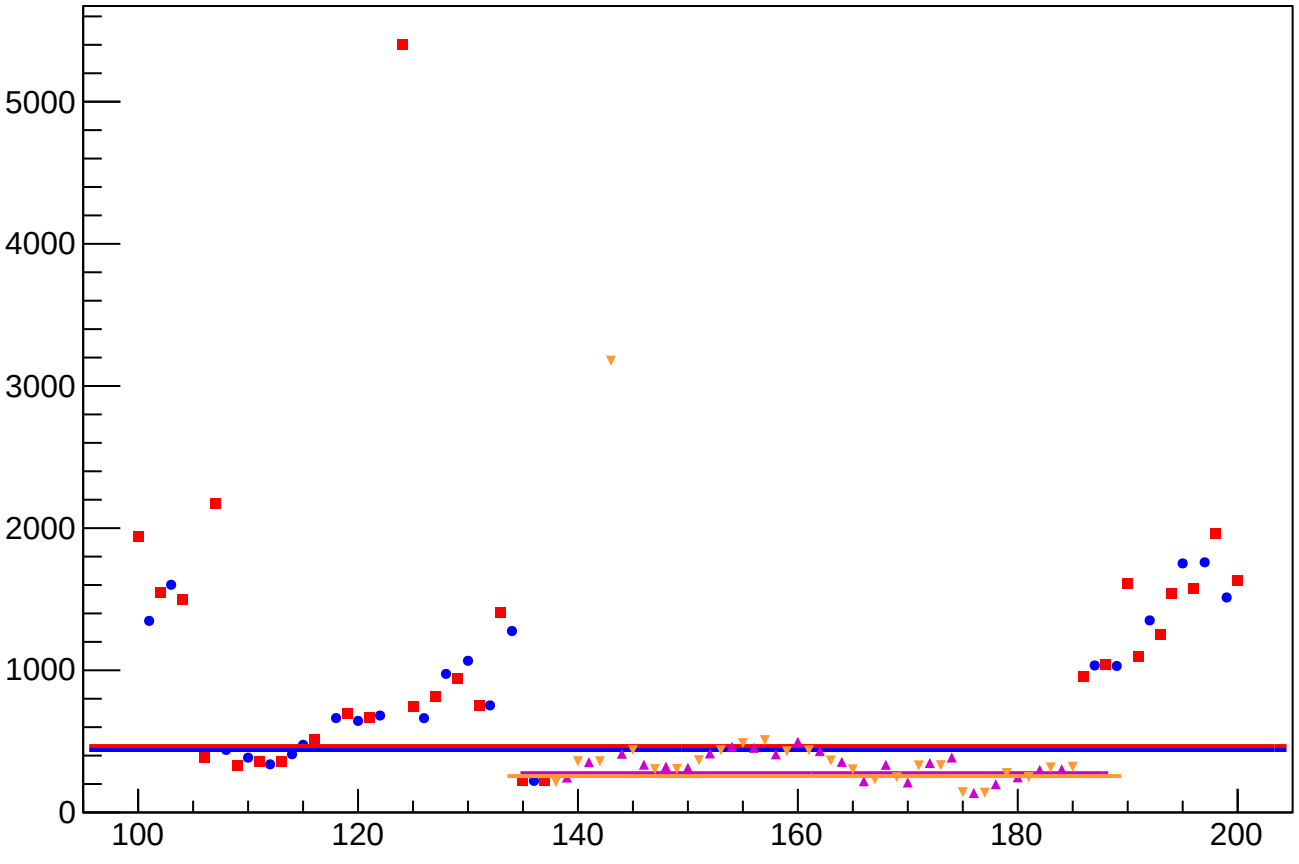
Right Out: -268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -190.050+/-59.776 χ^2/NDF: 69.5/46

All: -165.238+/-43.477 χ^2/NDF: 114.7/97

- sign -137.368+/-63.352 χ^2/NDF: 44.8/50



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

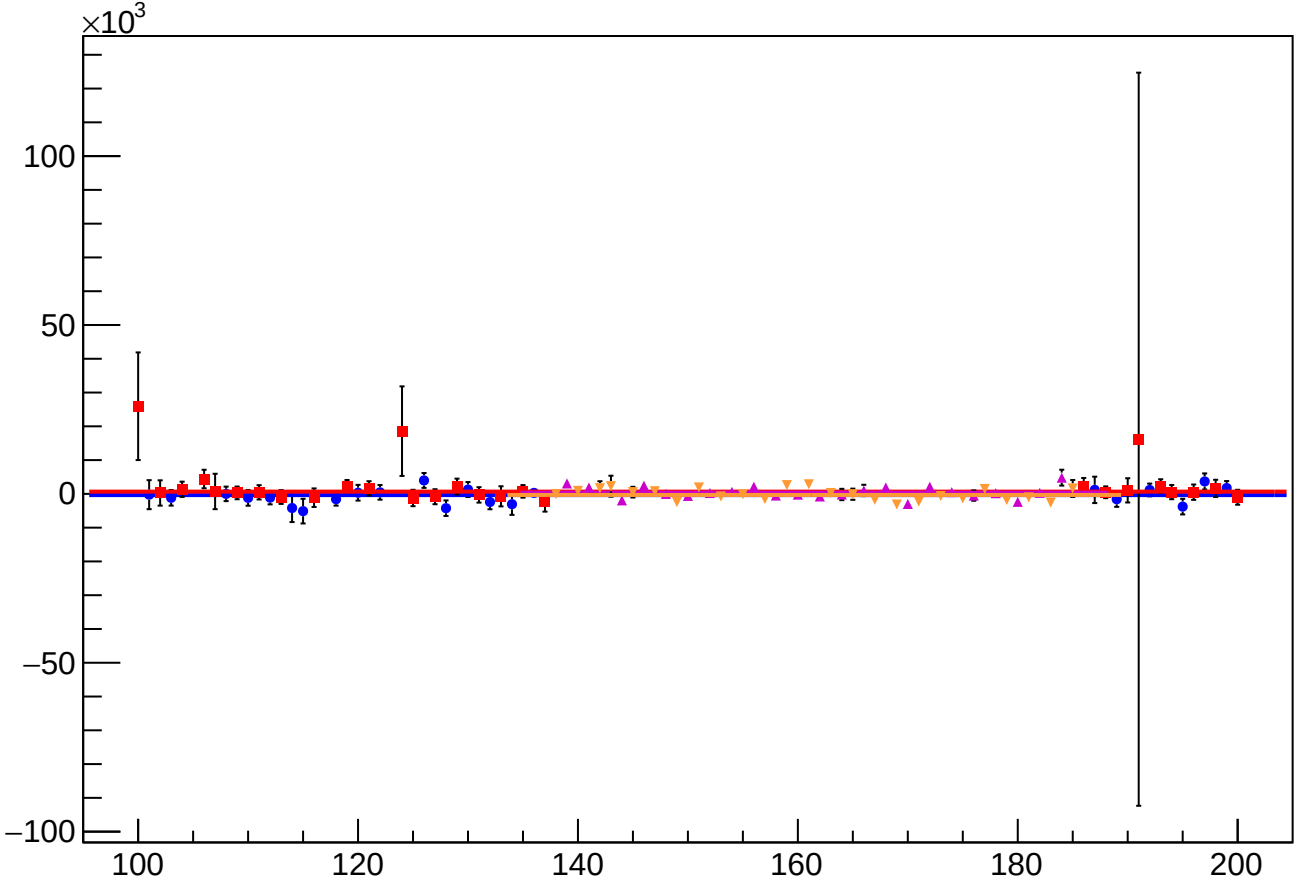
Right Out: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 279.879+/-0.042 χ^2/NDF: 17209666.6/46

All: 291.940+/-0.031 χ^2/NDF: 34213750.9/97

- sign 305.488+/-0.045 χ^2/NDF: 16831193.2/50



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 668.451+/-461.866 χ^2/NDF: 13.1/27

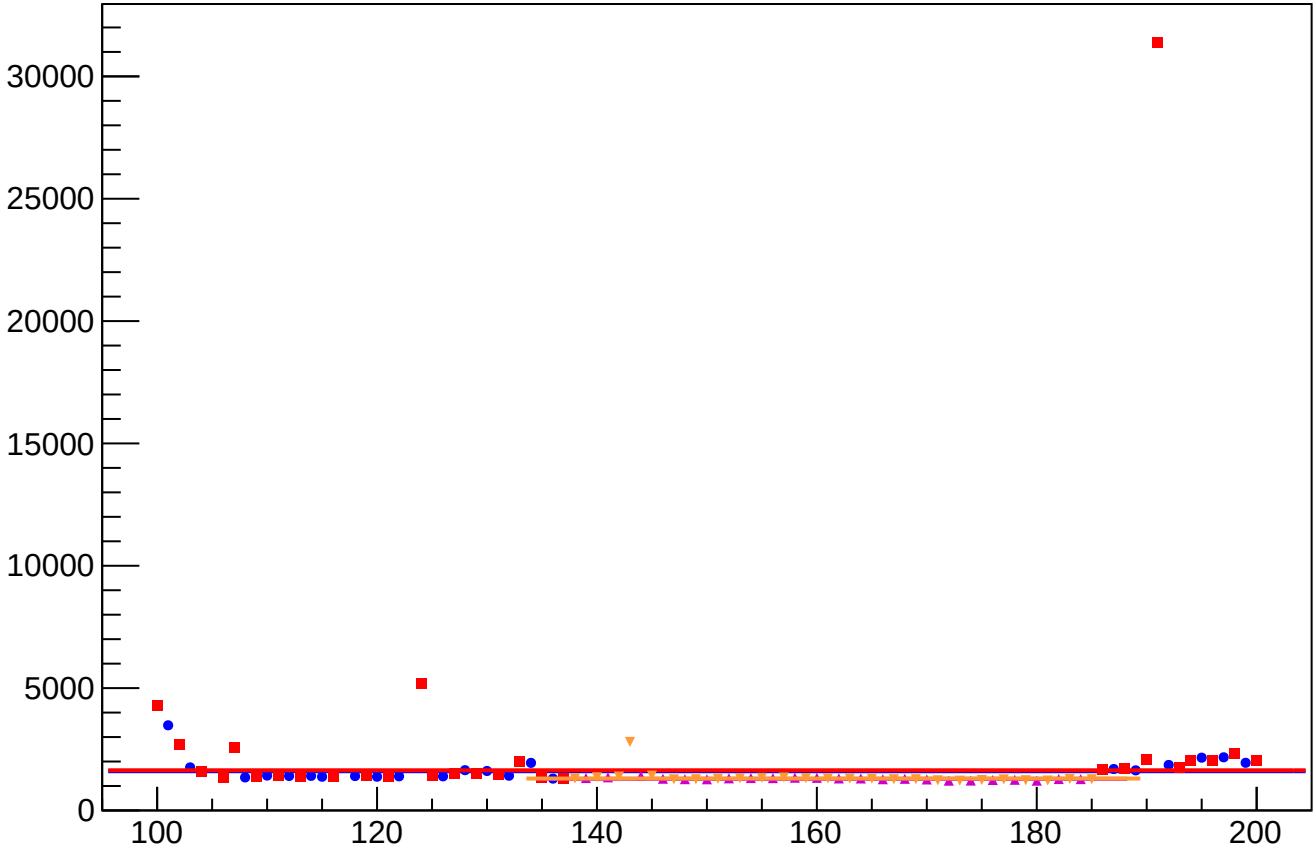
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -332.787+/-253.828 χ^2/NDF: 51.5/46

All: 60.244+/-179.085 χ^2/NDF: 99.3/97

\- sign 449.807+/-252.705 χ^2/NDF: 43.1/50

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

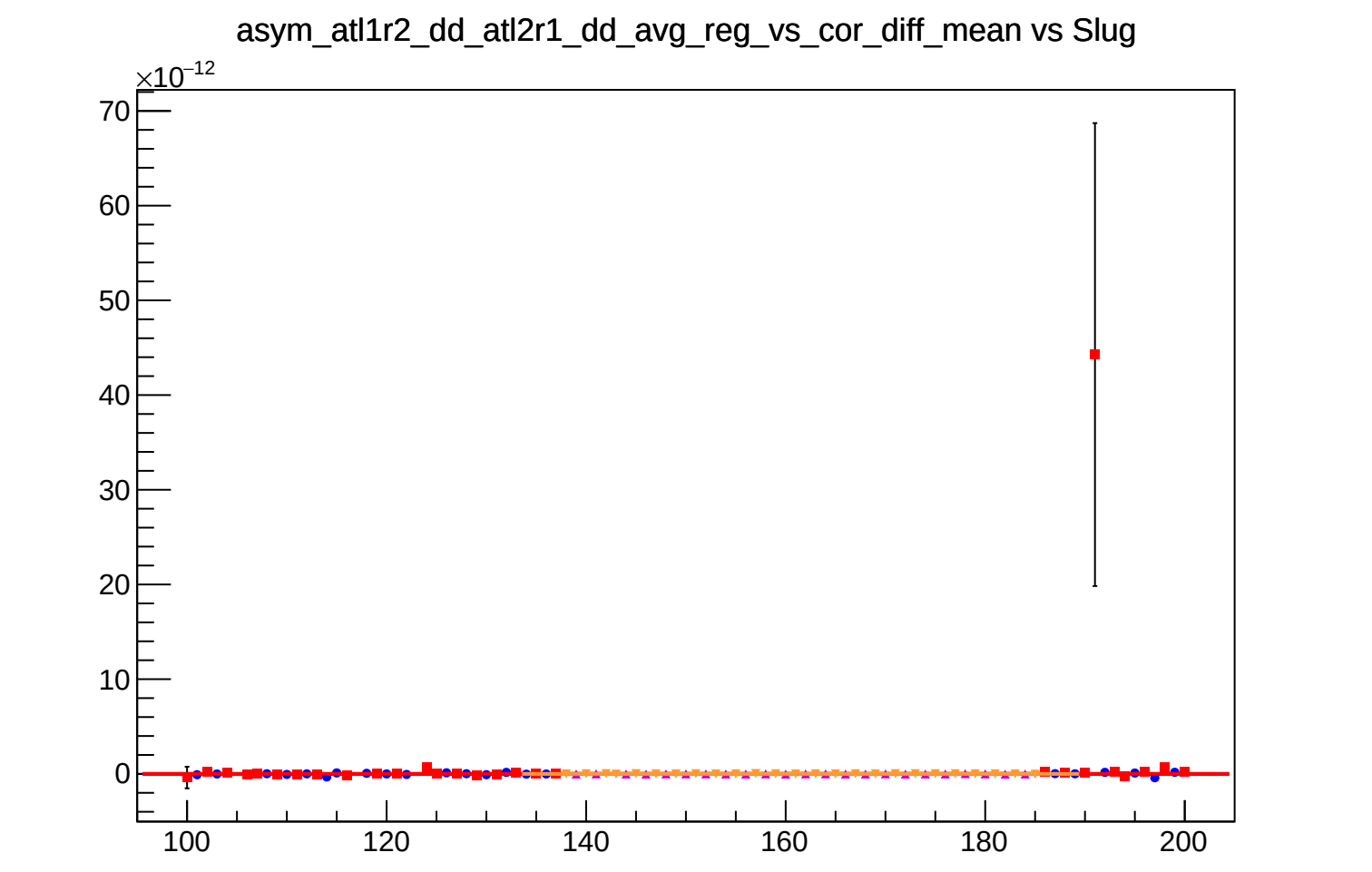
Right Out: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1386.625+/-0.179 χ^2/NDF: 2068839.6/46

All: 1391.754+/-0.127 χ^2/NDF: 4220642.5/97

- sign 1396.837+/-0.179 χ^2/NDF: 2150176.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

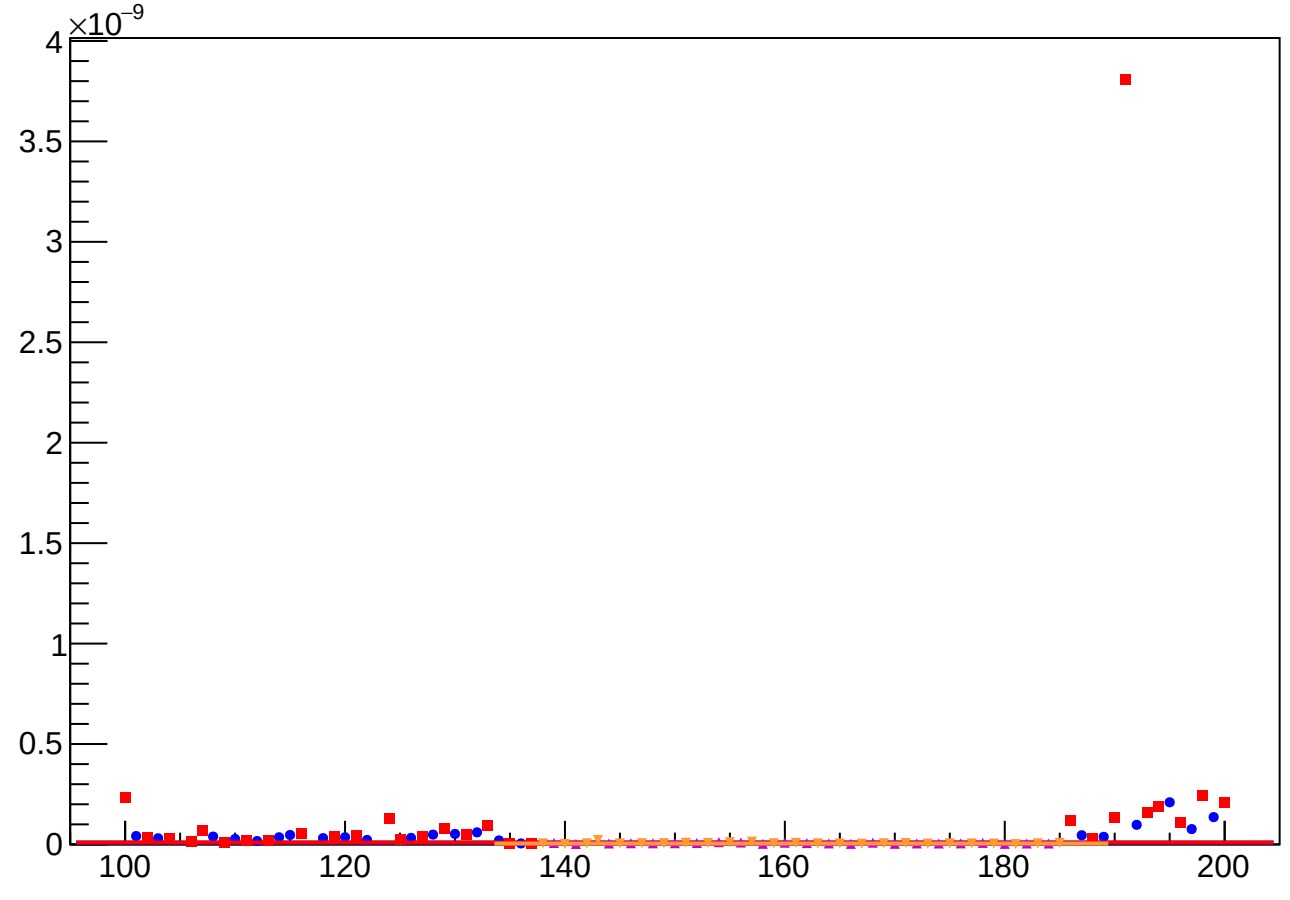
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/27

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/46

All: 0.000+/-0.000 χ^2/NDF: 110.9/97

- sign 0.000+/-0.000 χ^2/NDF: 67.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

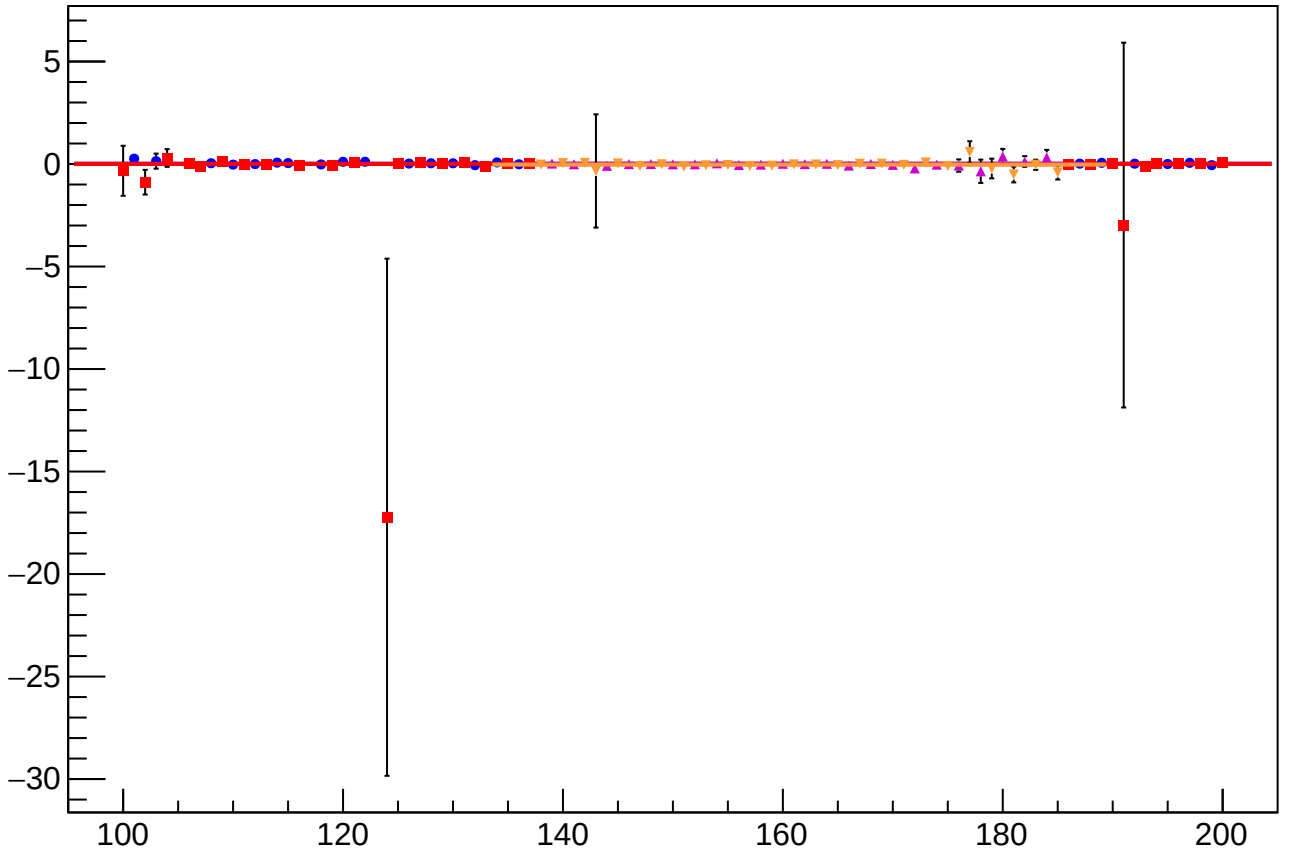
Right Out: 0.000+/-0.000 χ^2/NDF: 7795004.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8864602.8/46

All: 0.000+/-0.000 χ^2/NDF: 19300491.7/97

- sign 0.000+/-0.000 χ^2/NDF: 10410803.4/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

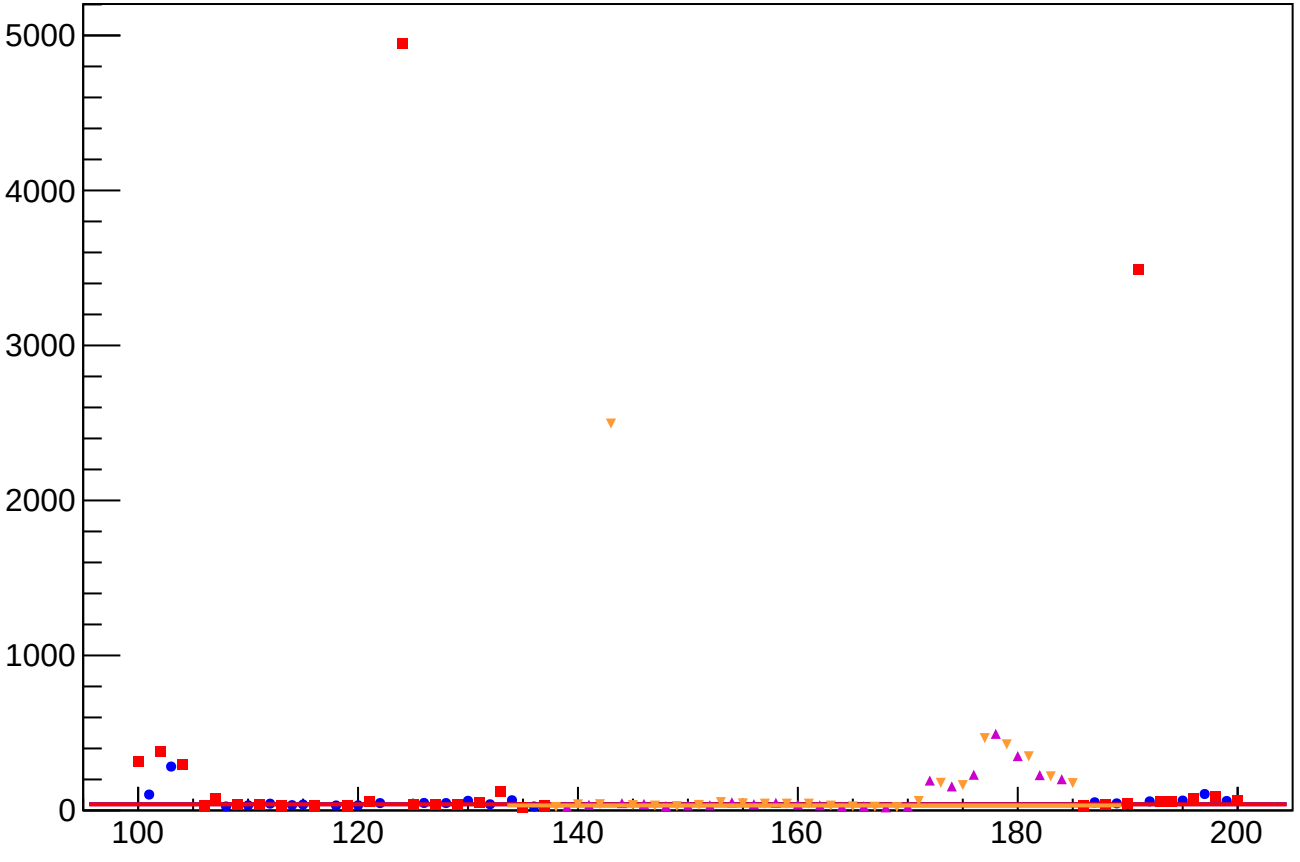
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

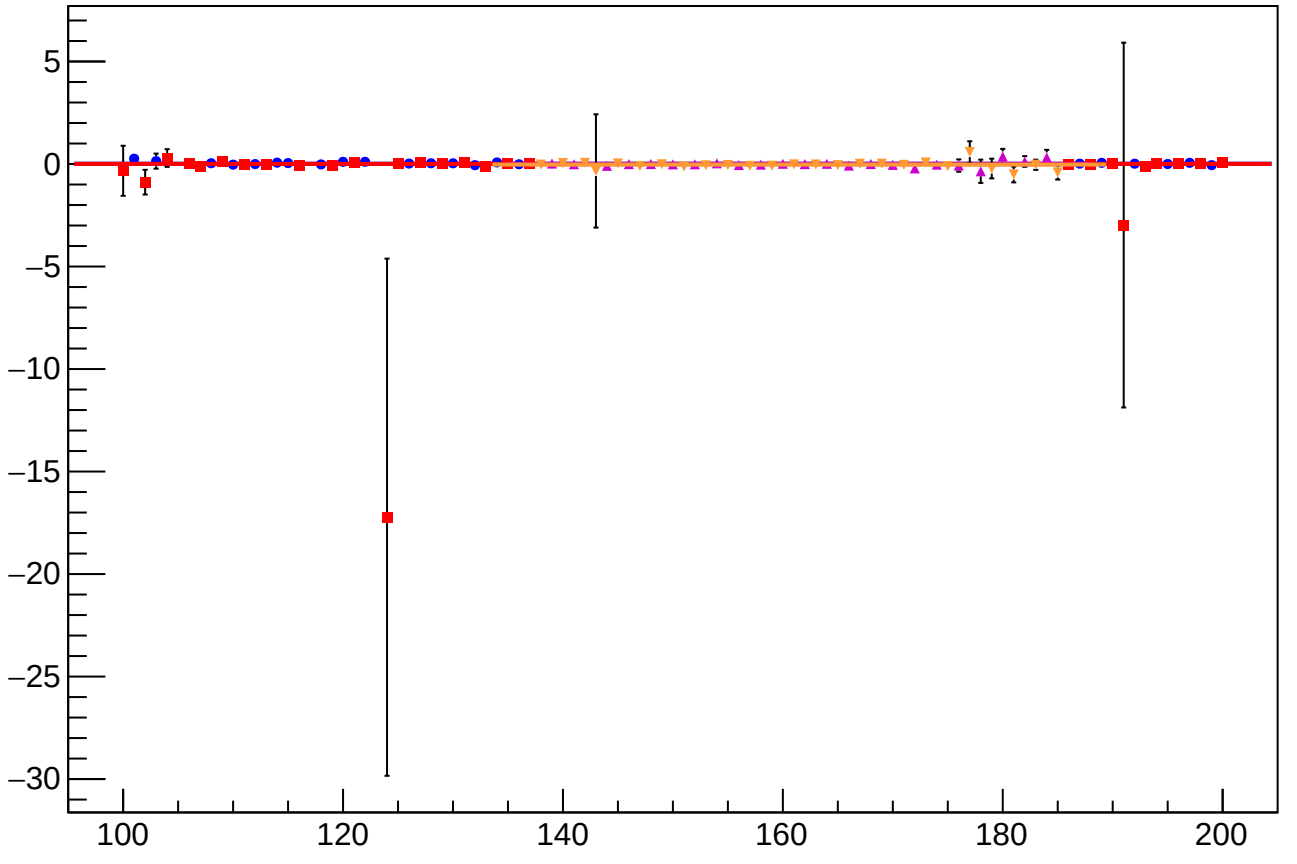
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

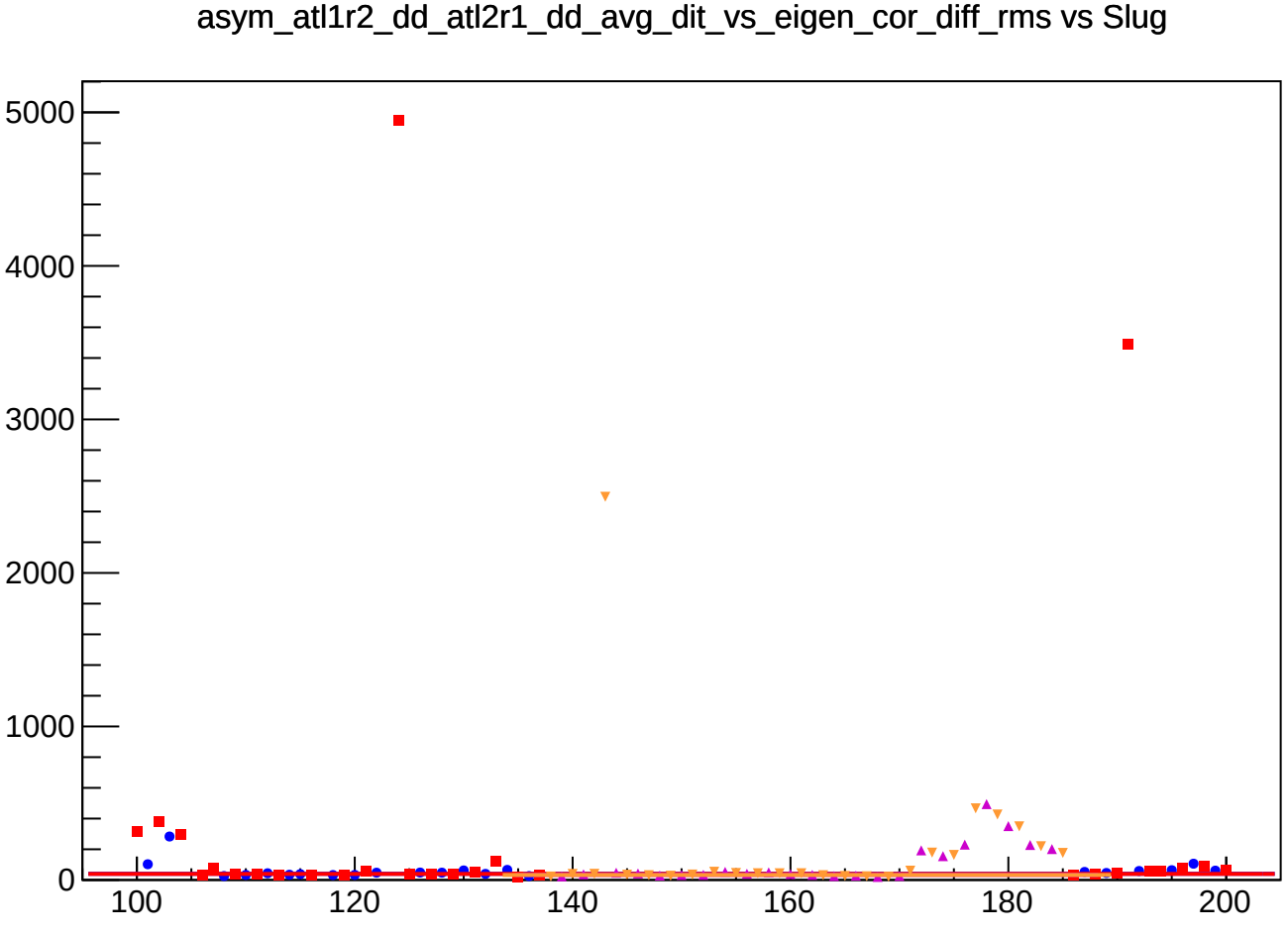
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

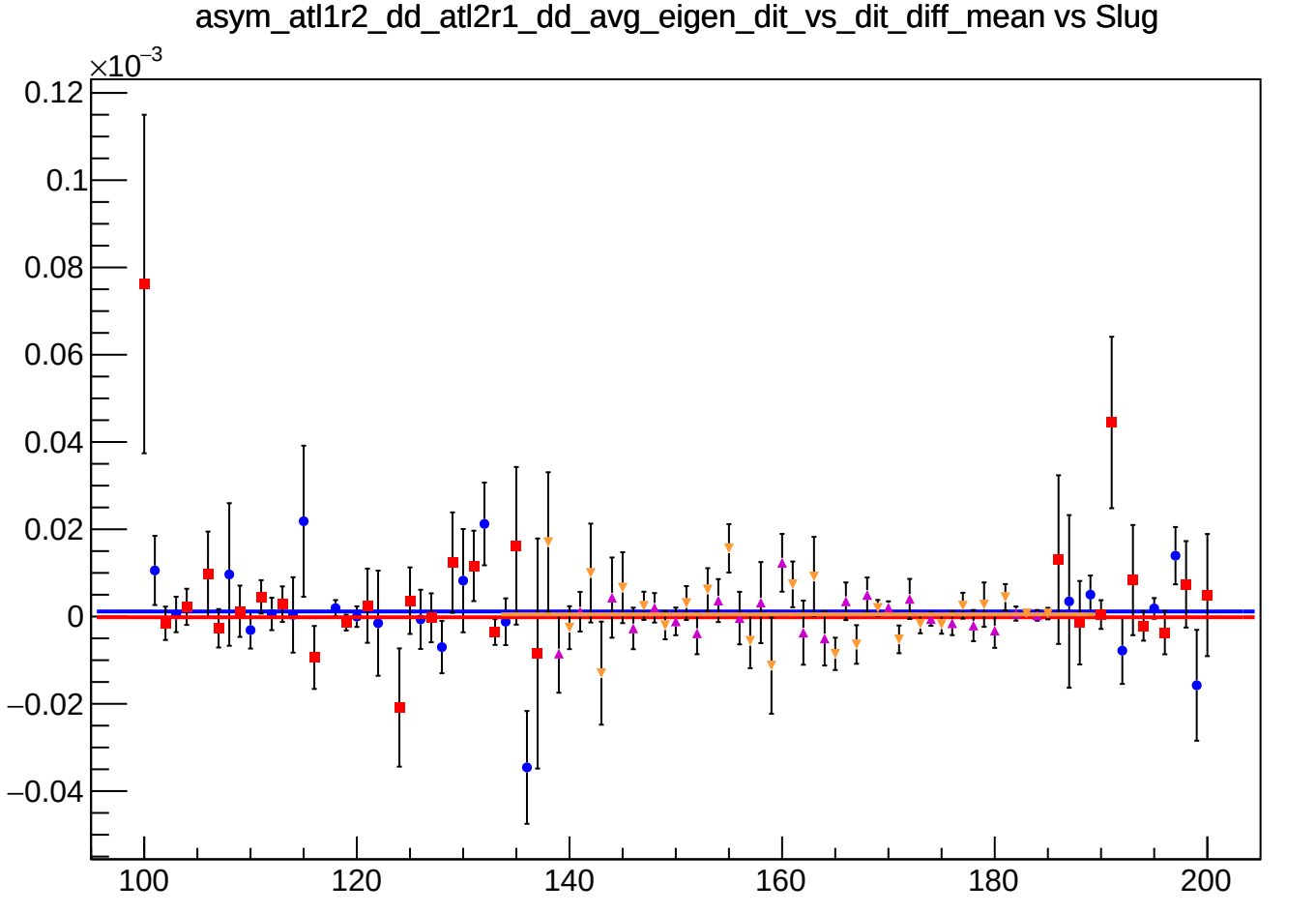
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

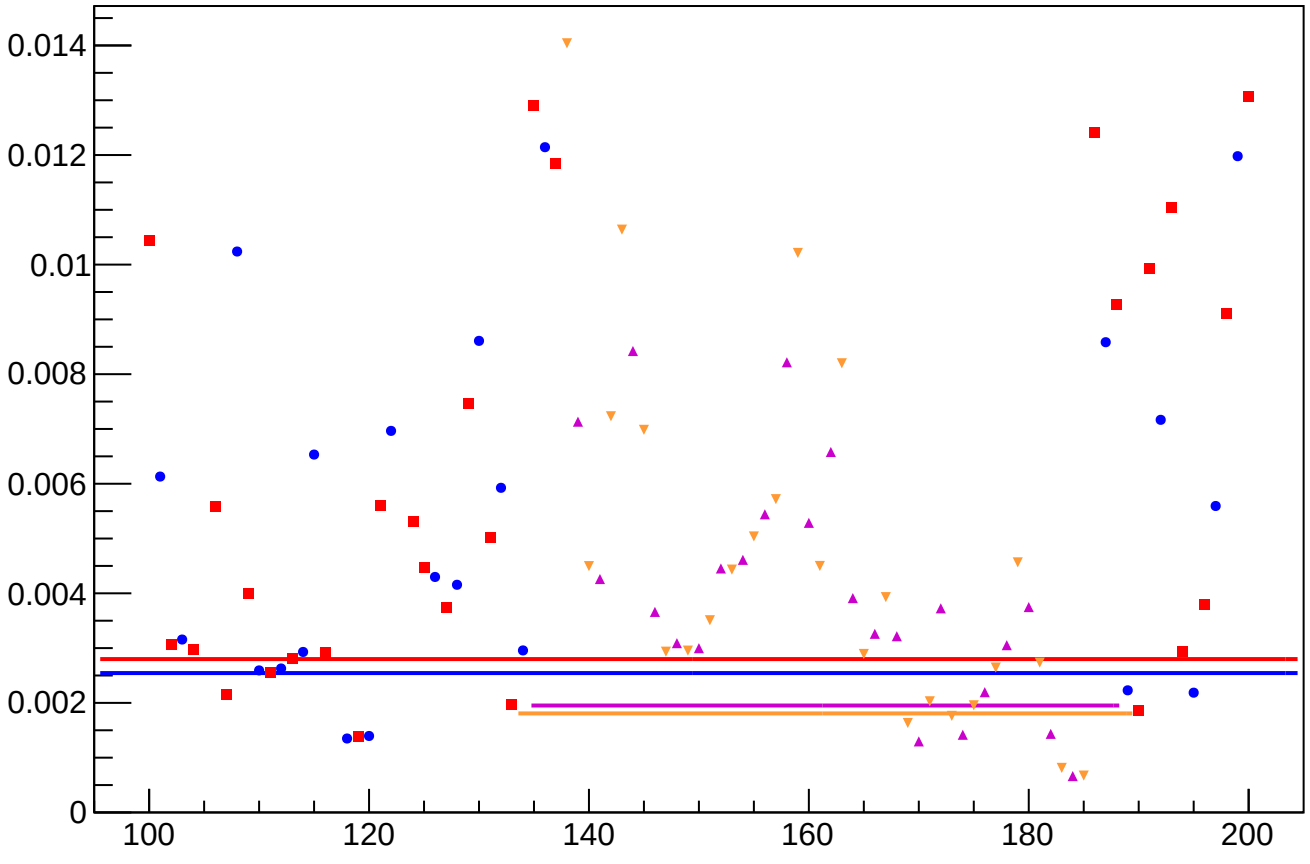
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/27

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.3/97

- sign 0.000+/-0.000 χ^2/NDF: 39.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 7285883.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

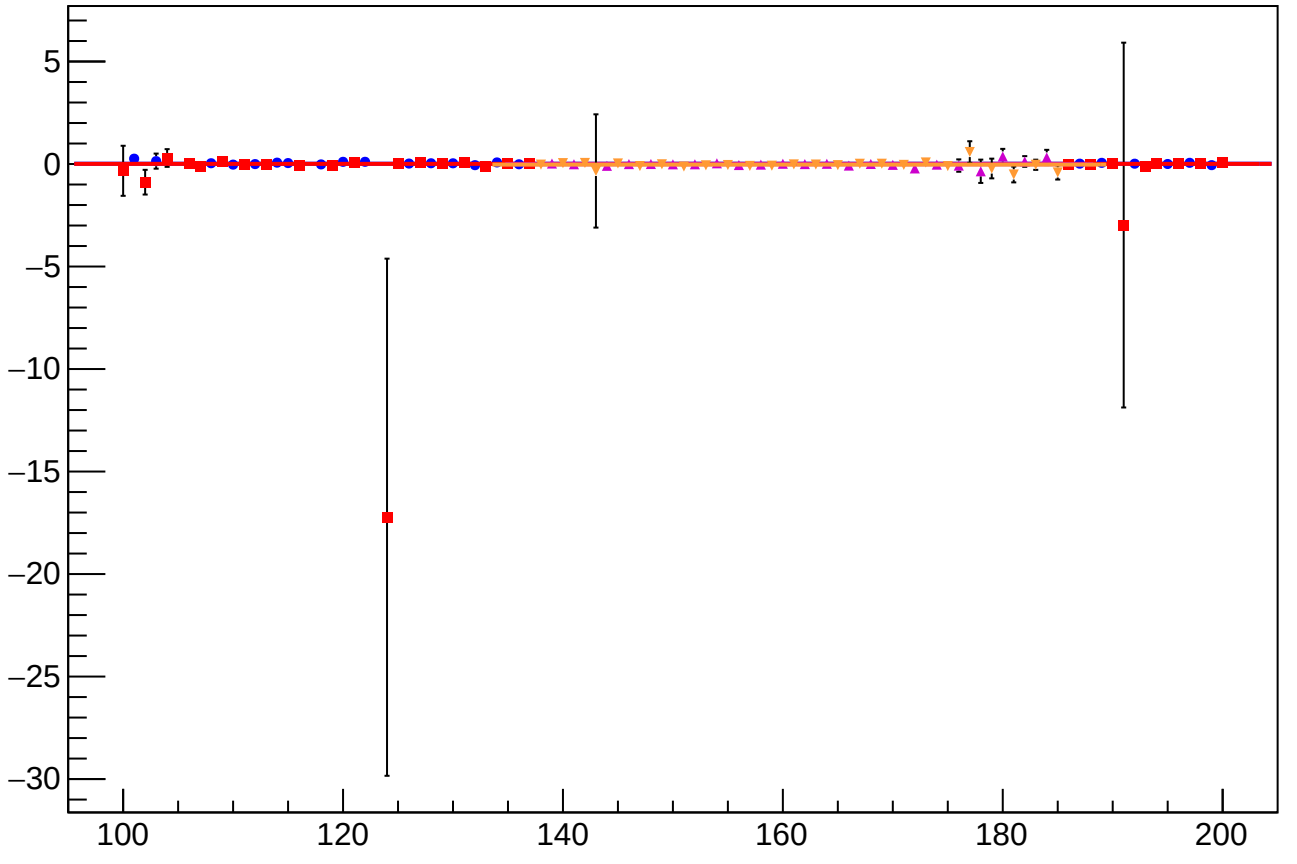
Right Out: 0.003+/-0.000 χ^2/NDF: 8199659.4/27

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 23124103.1/46

All: 0.002+/-0.000 χ^2/NDF: 44152489.6/97

- sign 0.002+/-0.000 χ^2/NDF: 20855060.3/50



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

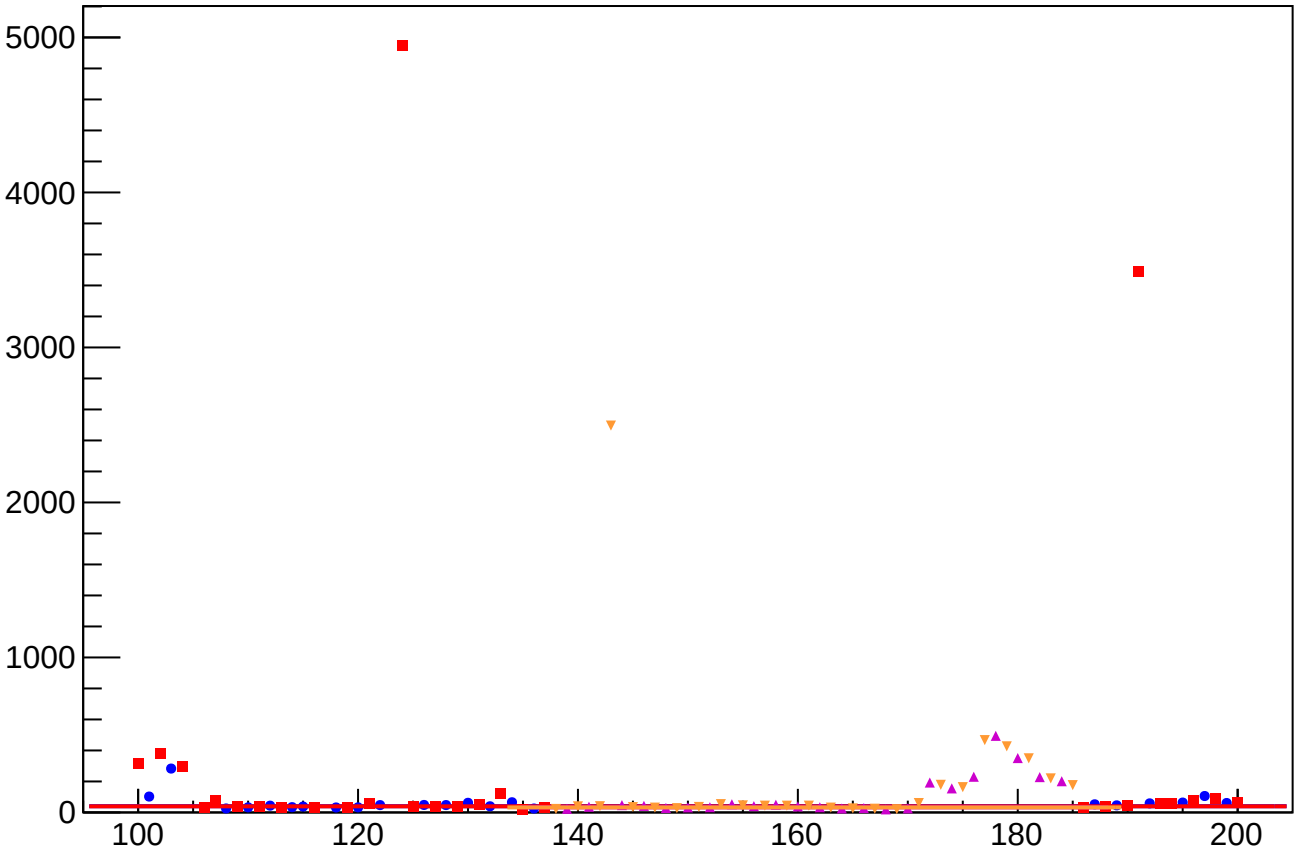
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.009+/-0.005 χ^2/NDF: 83.7/97

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

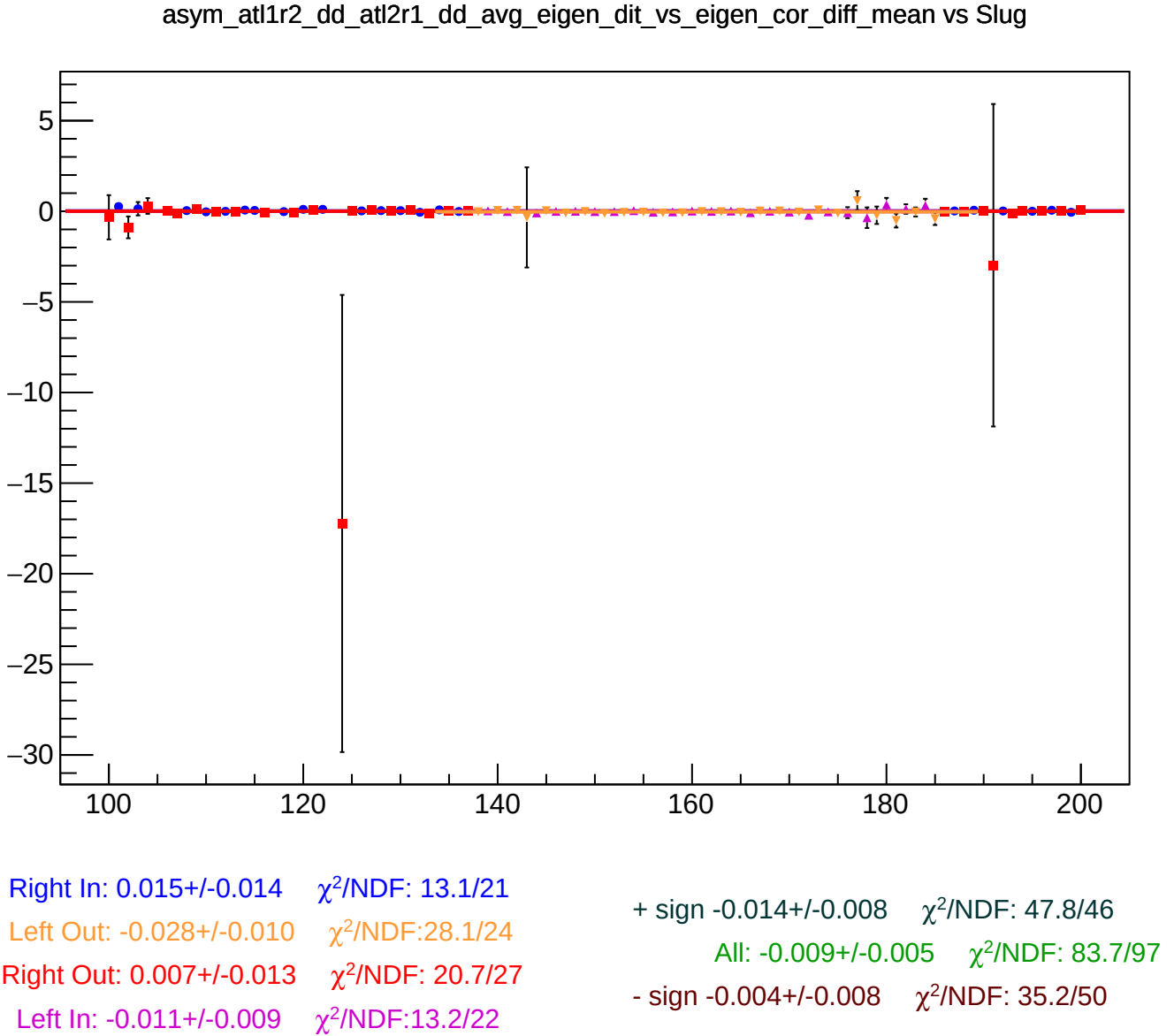
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

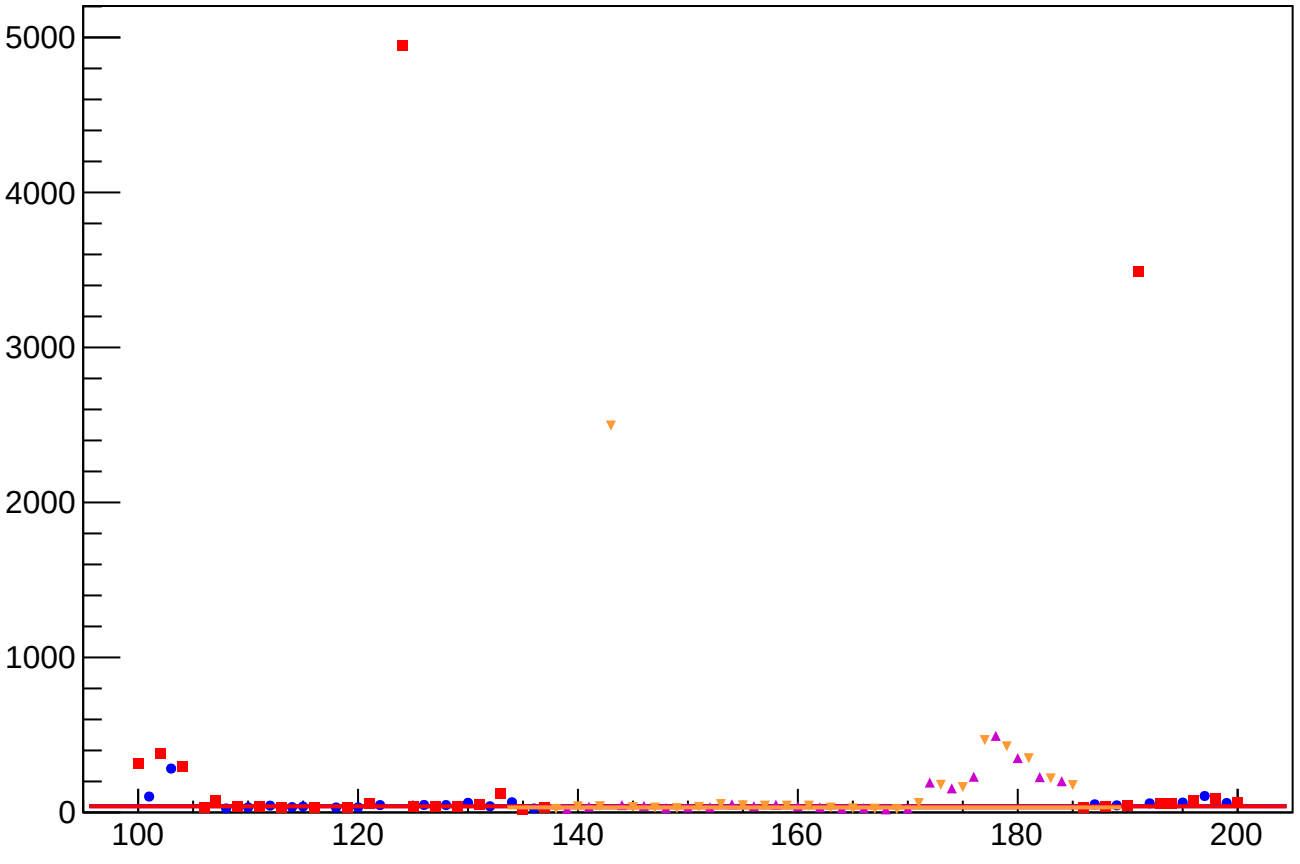
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: 0.015+/-0.014 χ²/NDF: 13.1/21
Left Out: -0.028+/-0.010 χ²/NDF:28.1/24
Right Out: 0.007+/-0.013 χ²/NDF: 20.7/27
Left In: -0.011+/-0.009 χ²/NDF:13.2/22
+ sign -0.014+/-0.008 χ²/NDF: 47.8/46
All: -0.009+/-0.005 χ²/NDF: 83.7/97
- sign -0.004+/-0.008 χ²/NDF: 35.2/50



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

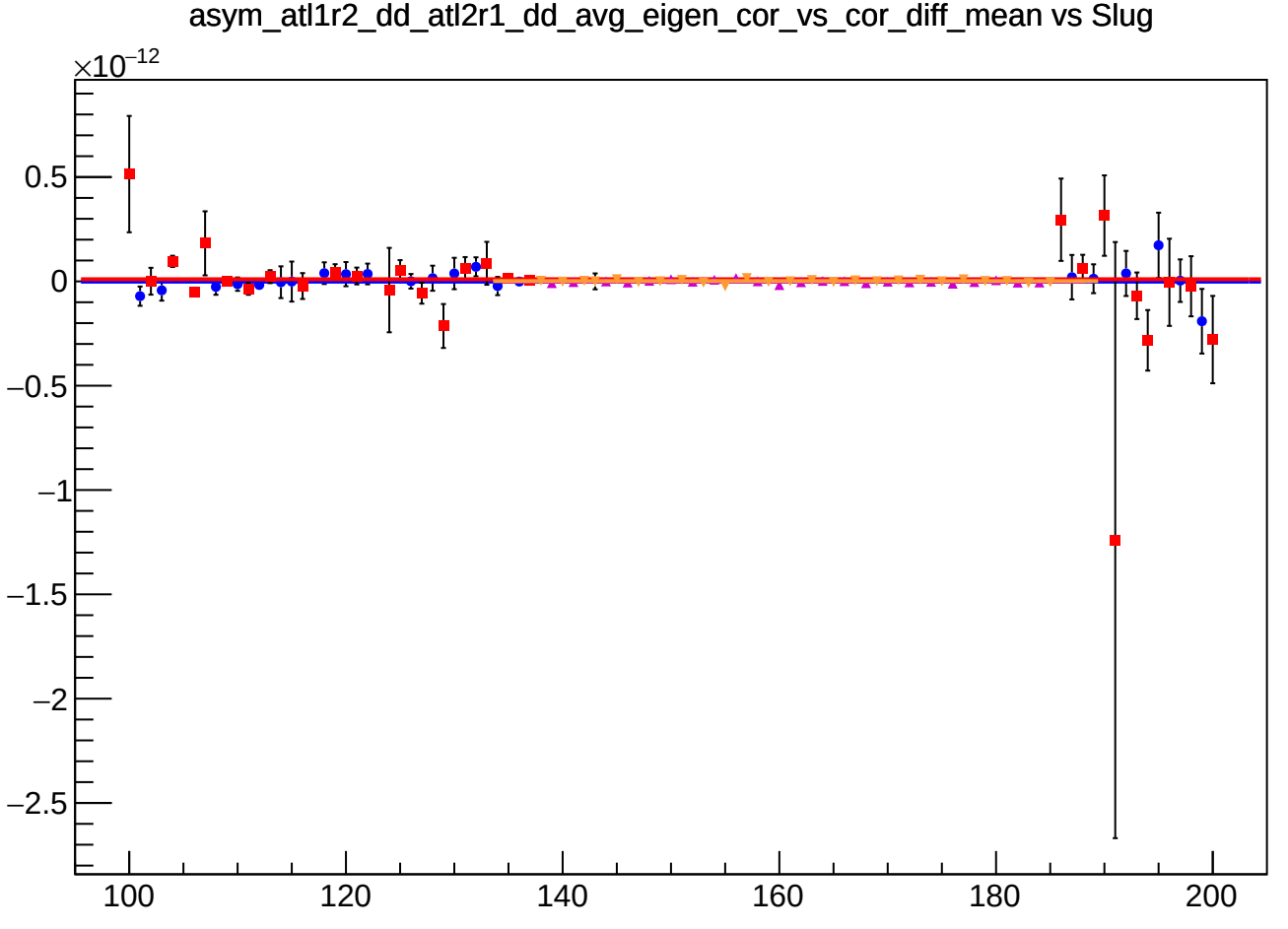
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

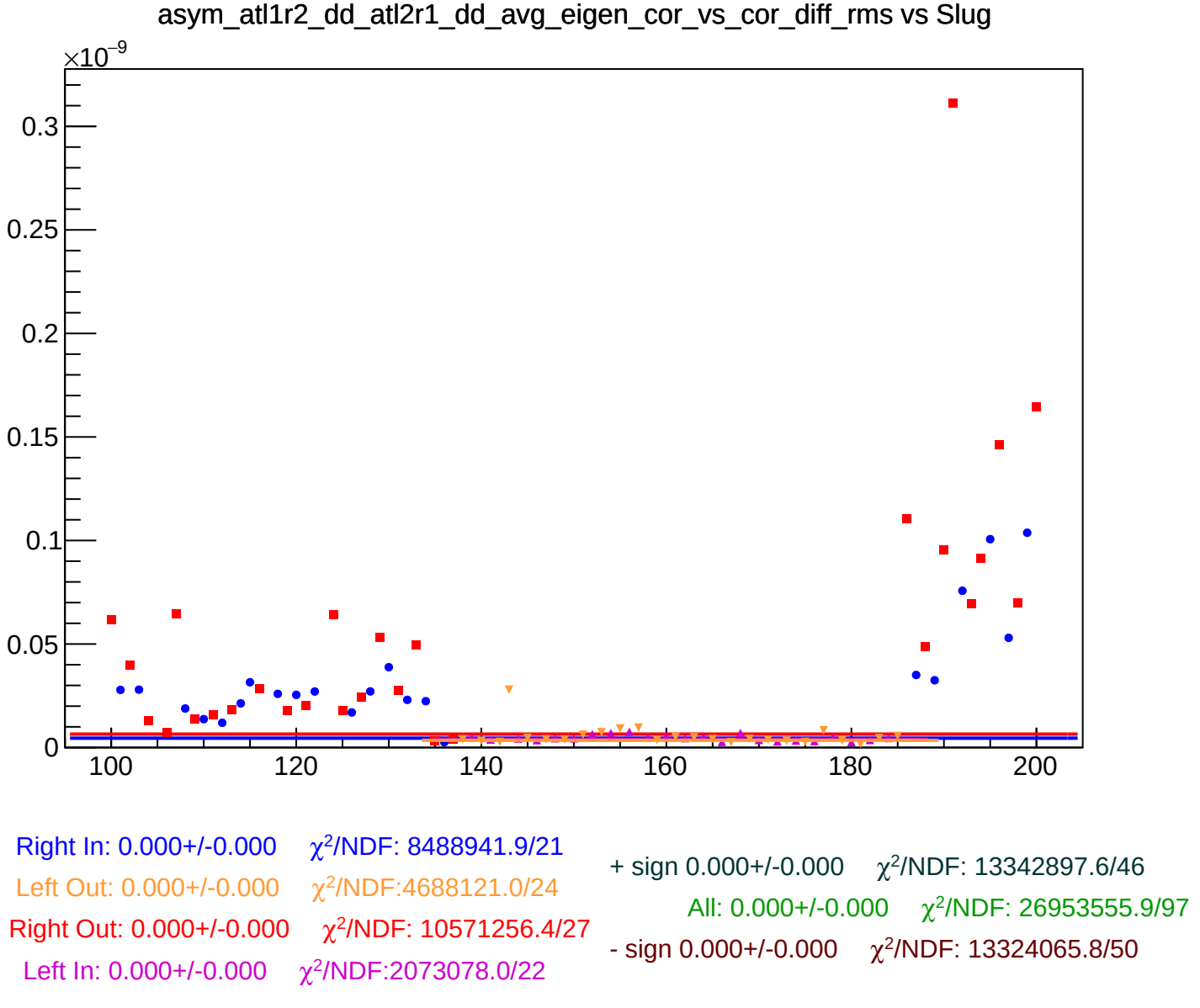
Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/27

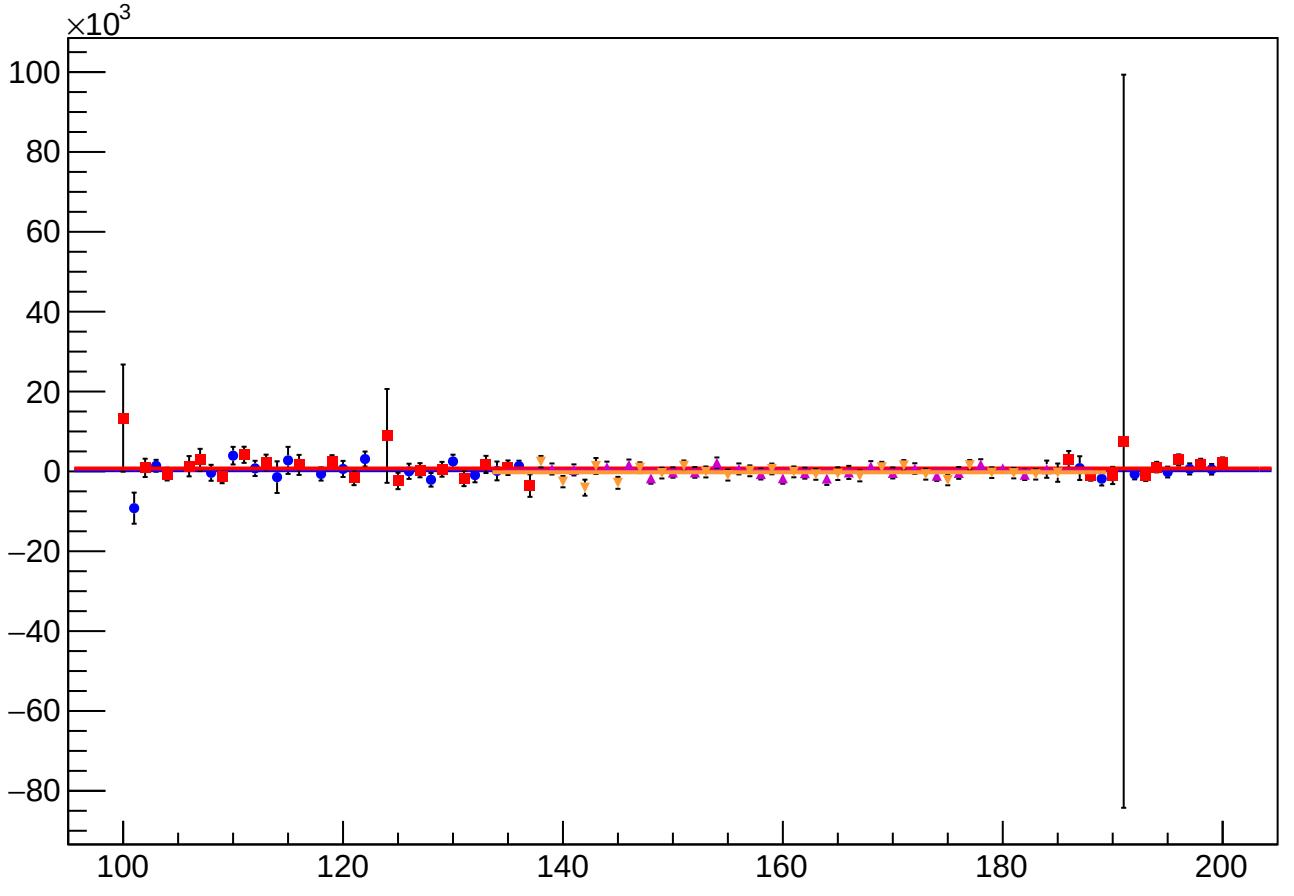
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/46

All: 0.000+/-0.000 χ^2/NDF: 119.7/97

- sign -0.000+/-0.000 χ^2/NDF: 88.2/50


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8488941.9/21
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 10571256.4/27
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 13342897.6/46
All: 0.000+/-0.000 χ²/NDF: 26953555.9/97
- sign 0.000+/-0.000 χ²/NDF: 13324065.8/50



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 721.763+/-354.369 χ^2/NDF: 26.0/27

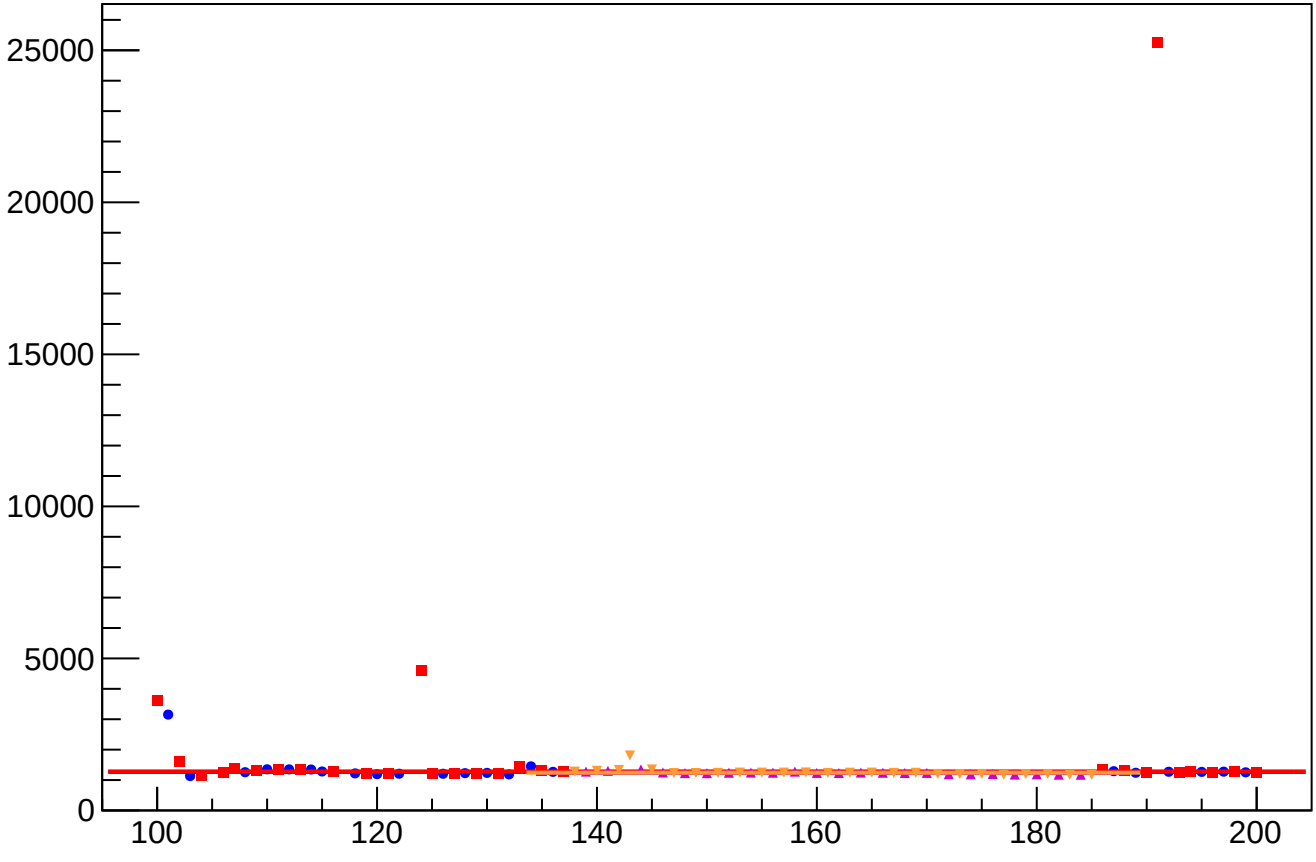
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -34.165+/-226.653 χ^2/NDF: 45.0/46

All: 156.961+/-159.177 χ^2/NDF: 88.9/97

- sign 342.971+/-223.599 χ^2/NDF: 42.6/50

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

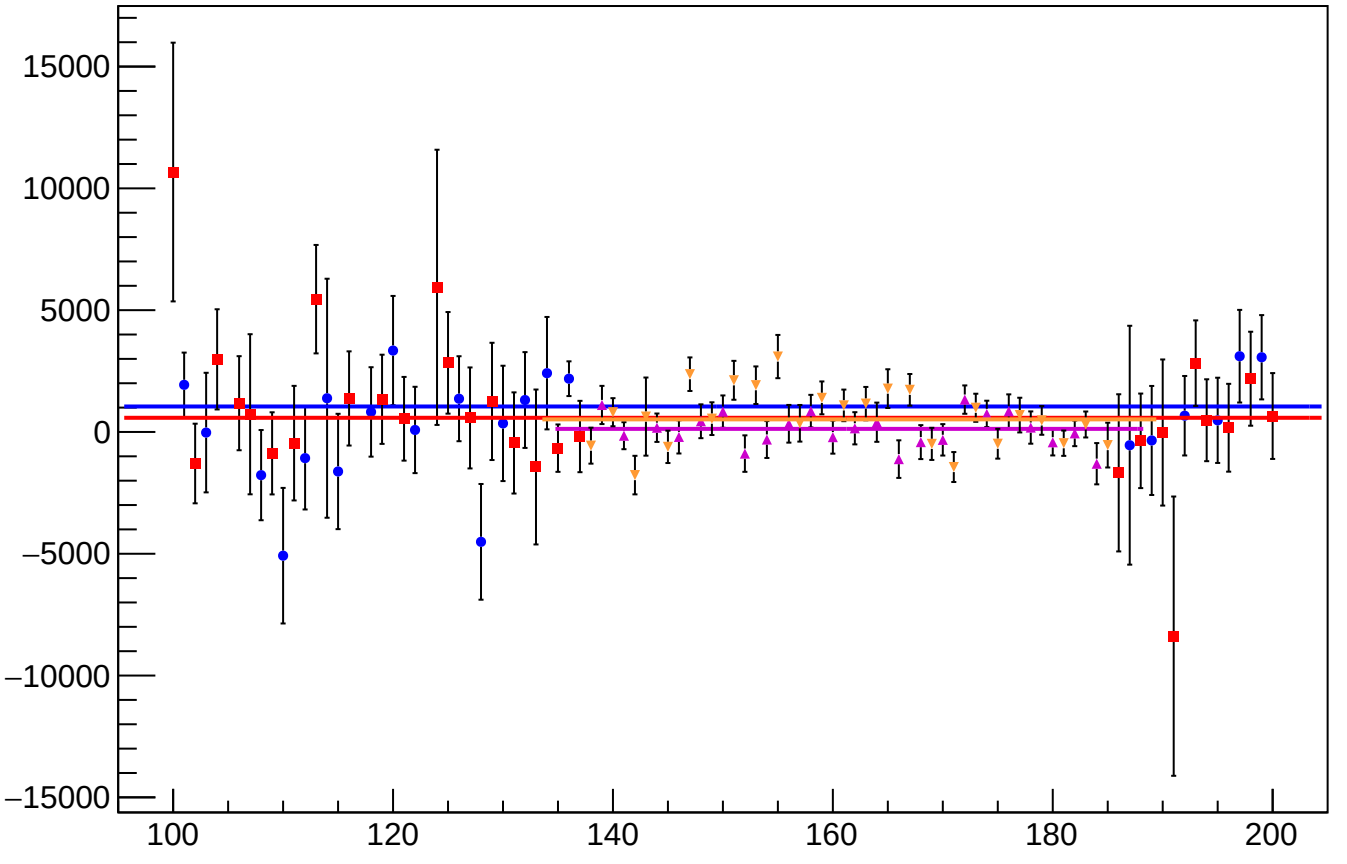
Right Out: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

\+ sign 1252.523+/-0.160 χ^2/NDF: 730274.6/46

All: 1252.563+/-0.113 χ^2/NDF: 1260131.0/97

\- sign 1252.601+/-0.158 χ^2/NDF: 529856.3/50



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

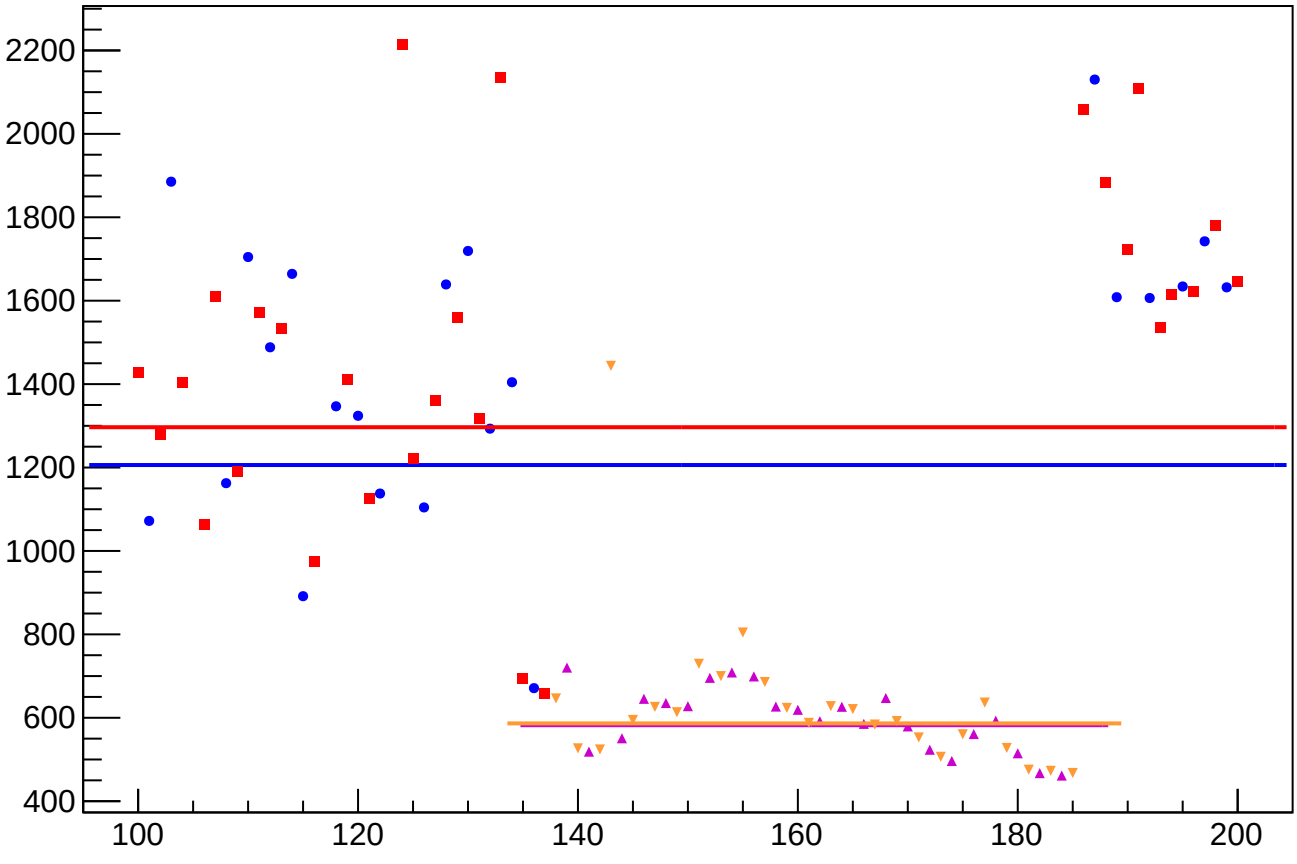
Right Out: 581.728+/-371.456 χ^2/NDF: 22.8/27

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 577.759+/-127.685 χ^2/NDF: 91.9/46

All: 381.165+/-90.663 χ^2/NDF: 142.4/97

\- sign 181.256+/-128.756 χ^2/NDF: 45.6/50



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

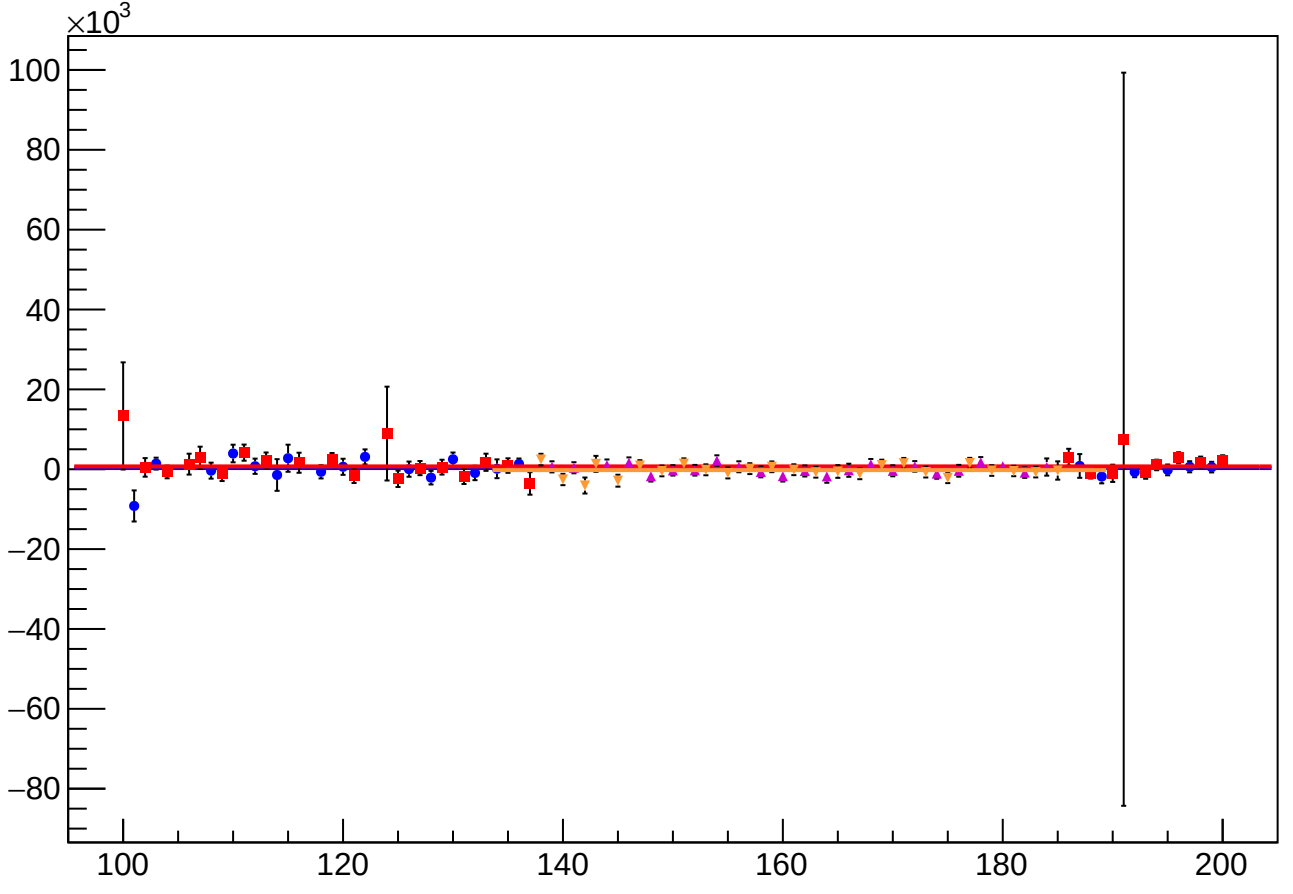
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 657.947+/-0.090 χ^2/NDF: 8318874.5/46

All: 662.948+/-0.064 χ^2/NDF: 17711363.9/97

- sign 668.034+/-0.091 χ^2/NDF: 9386300.9/50

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 711.006+/-354.696 χ^2/NDF: 26.0/27

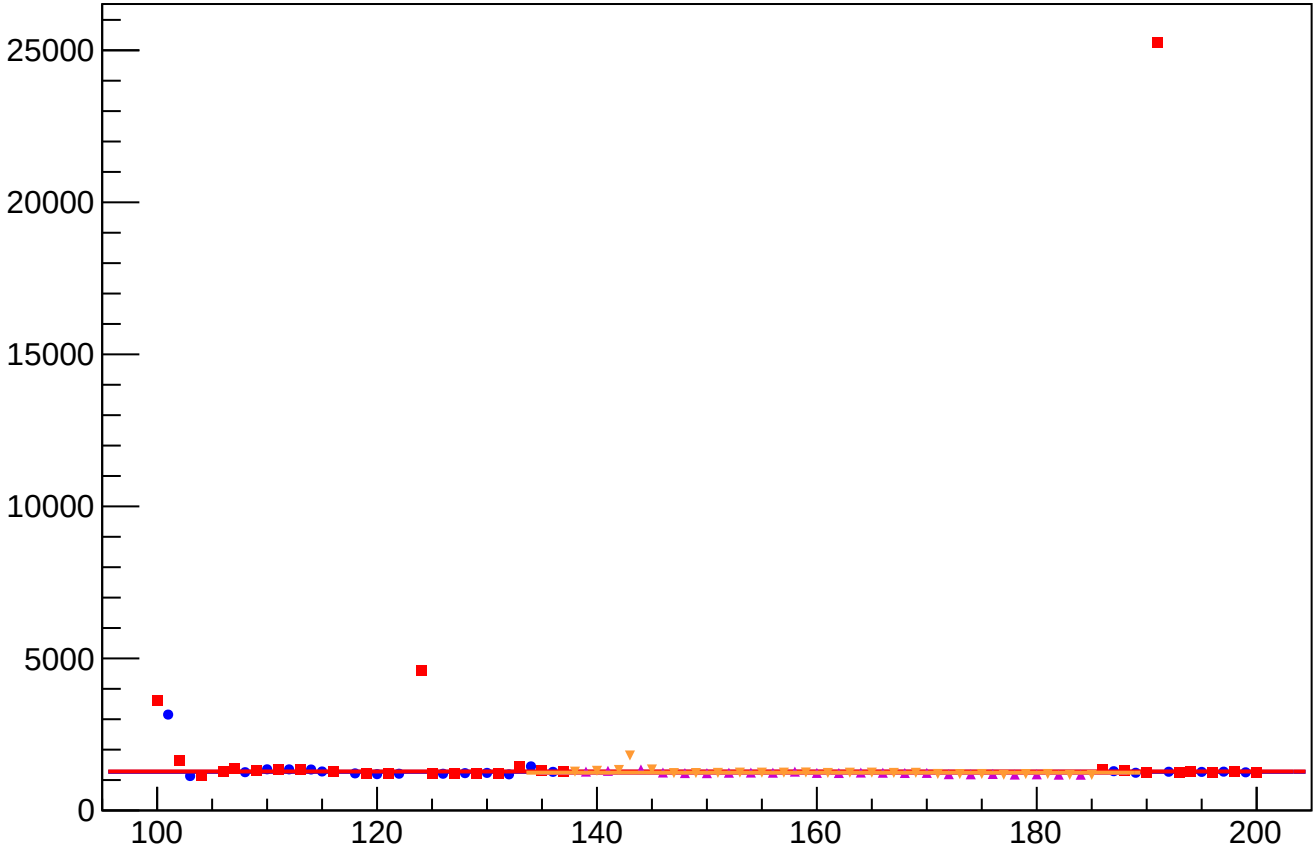
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 154.632+/-159.207 χ^2/NDF: 88.8/97

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

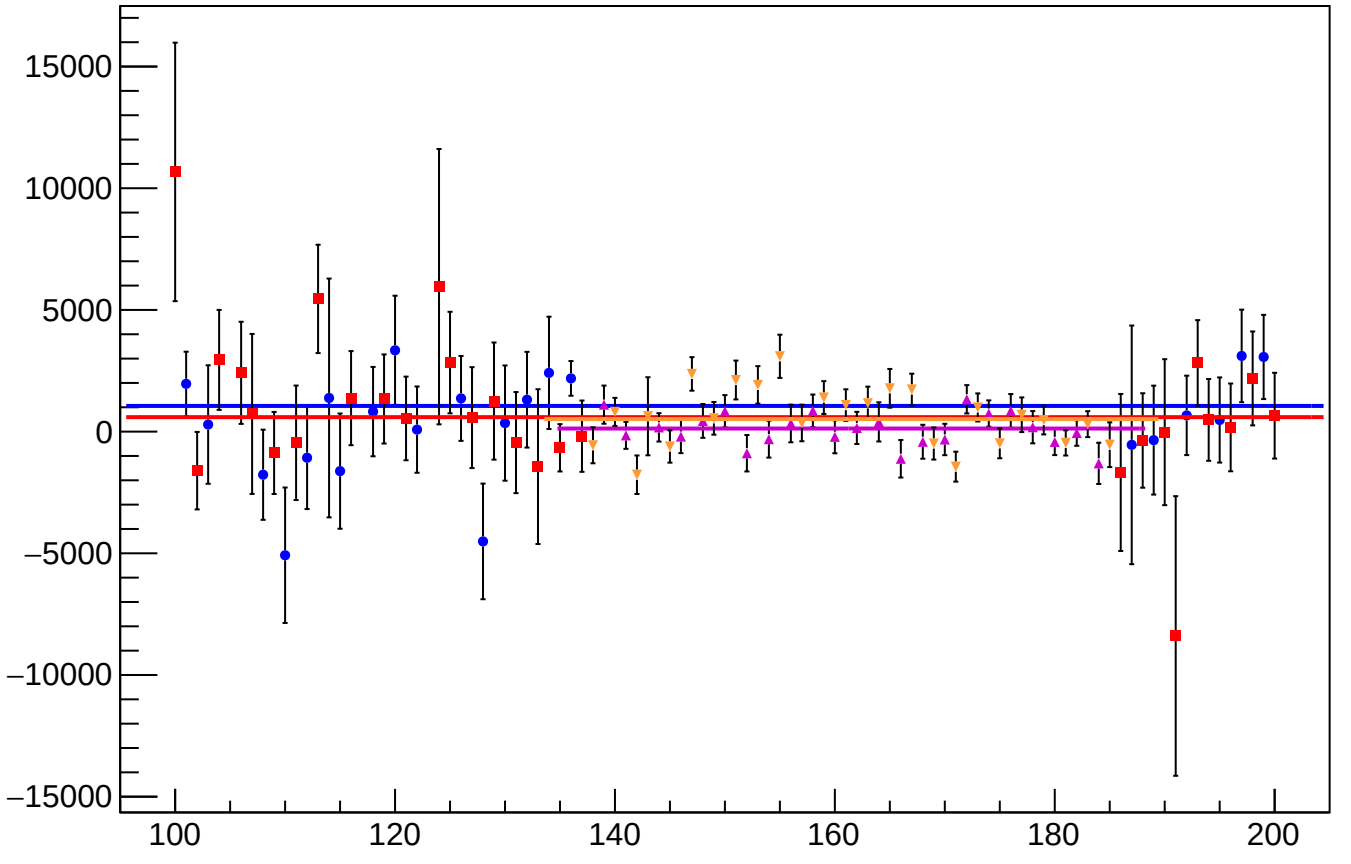
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

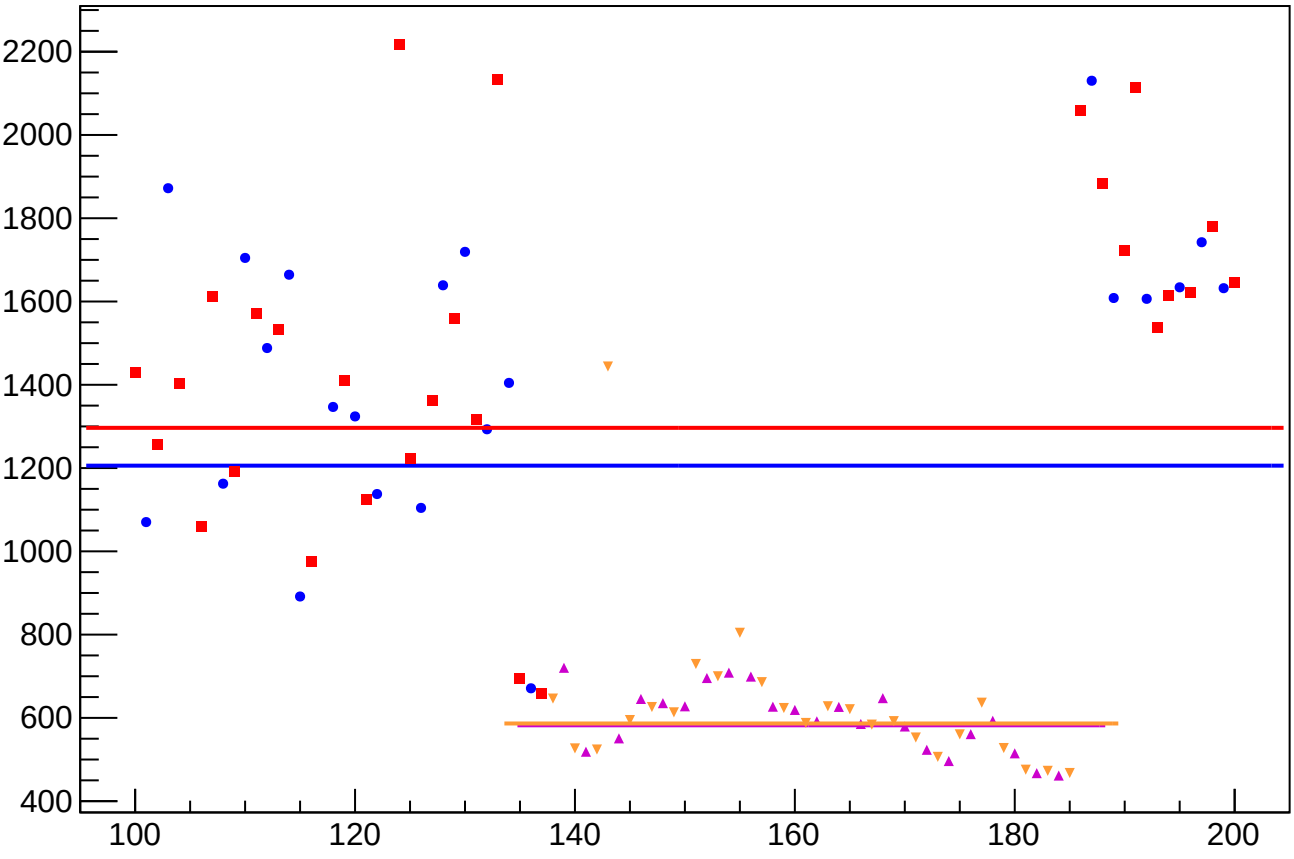
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 382.457+/-90.669 χ^2/NDF: 143.6/97

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

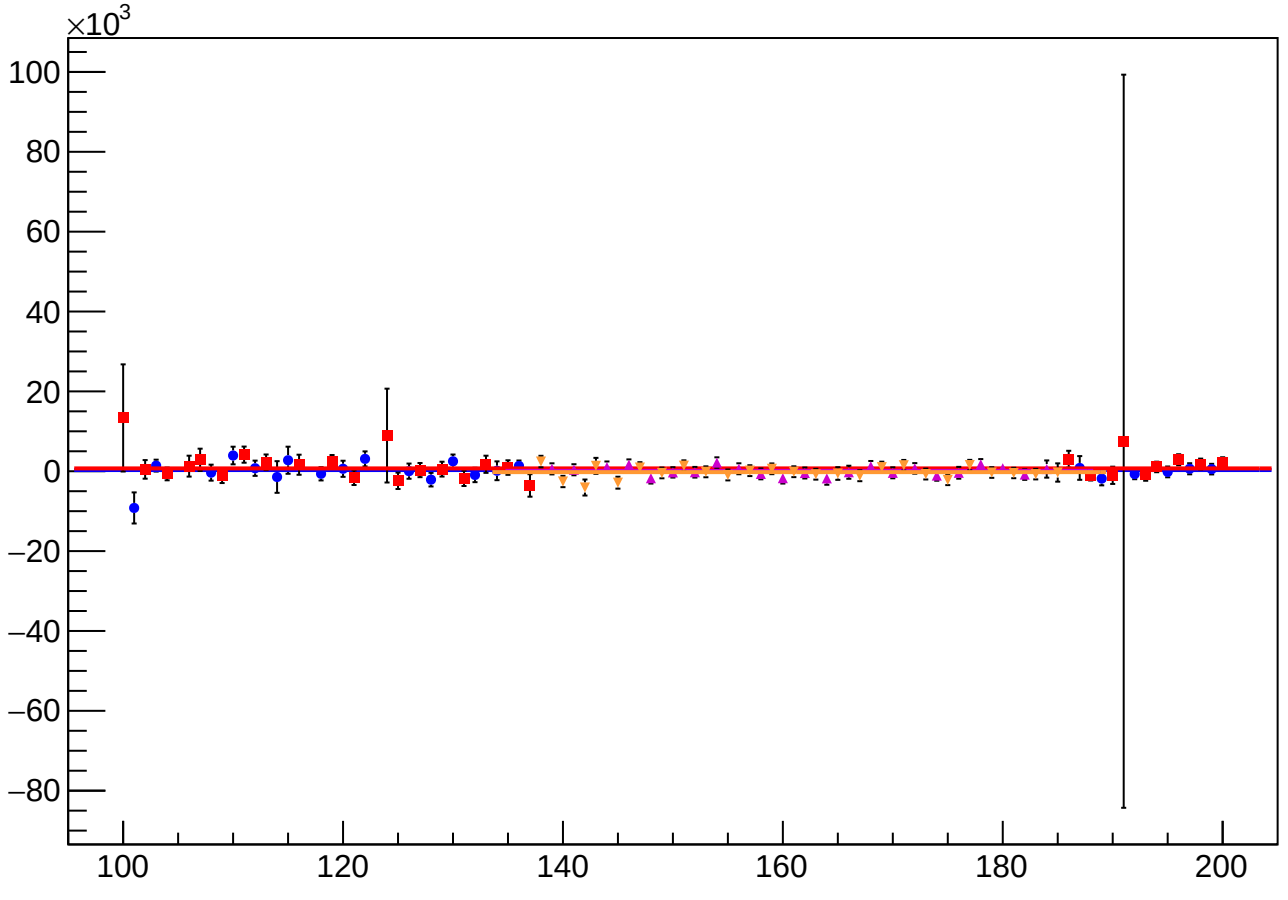
Right Out: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 711.006+/-354.696 χ^2/NDF: 26.0/27

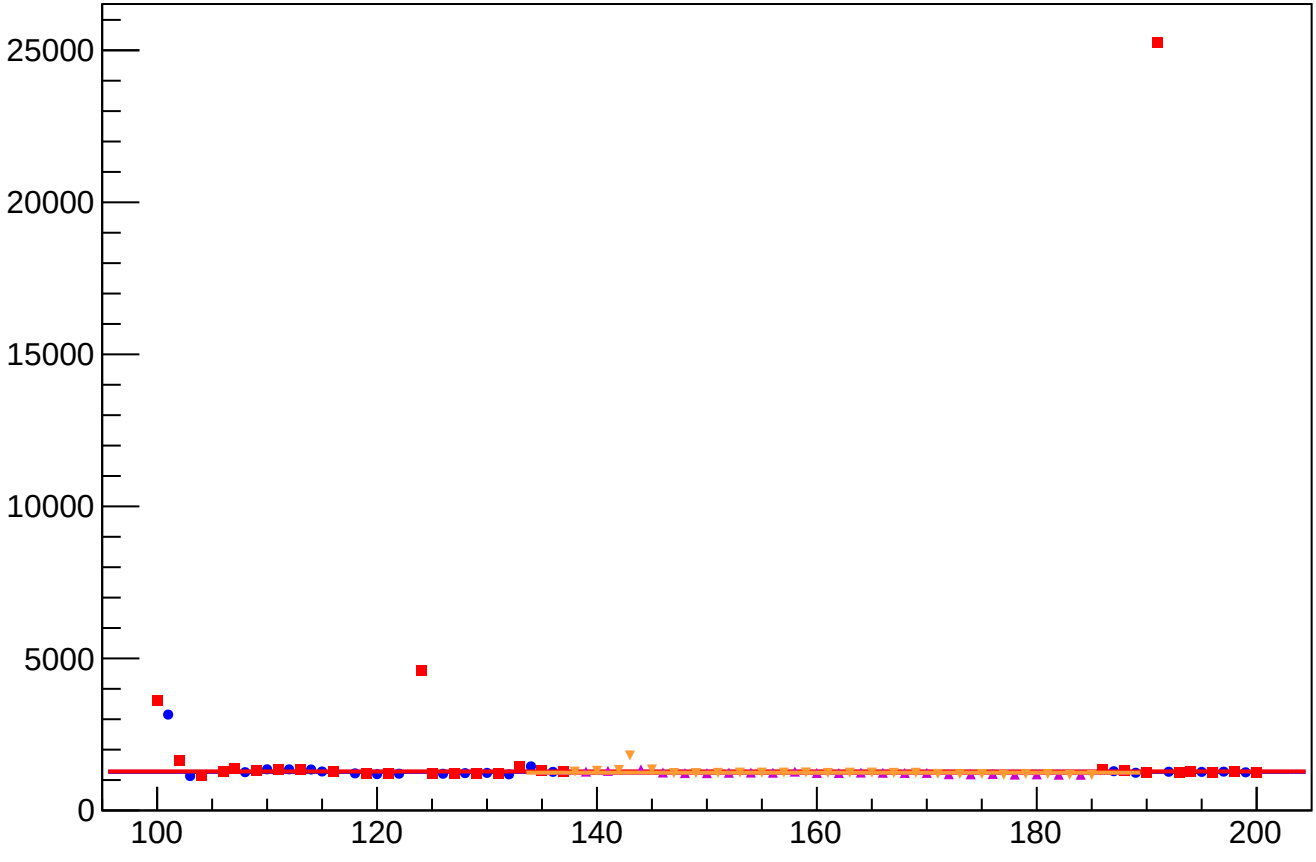
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 154.632+/-159.207 χ^2/NDF: 88.8/97

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

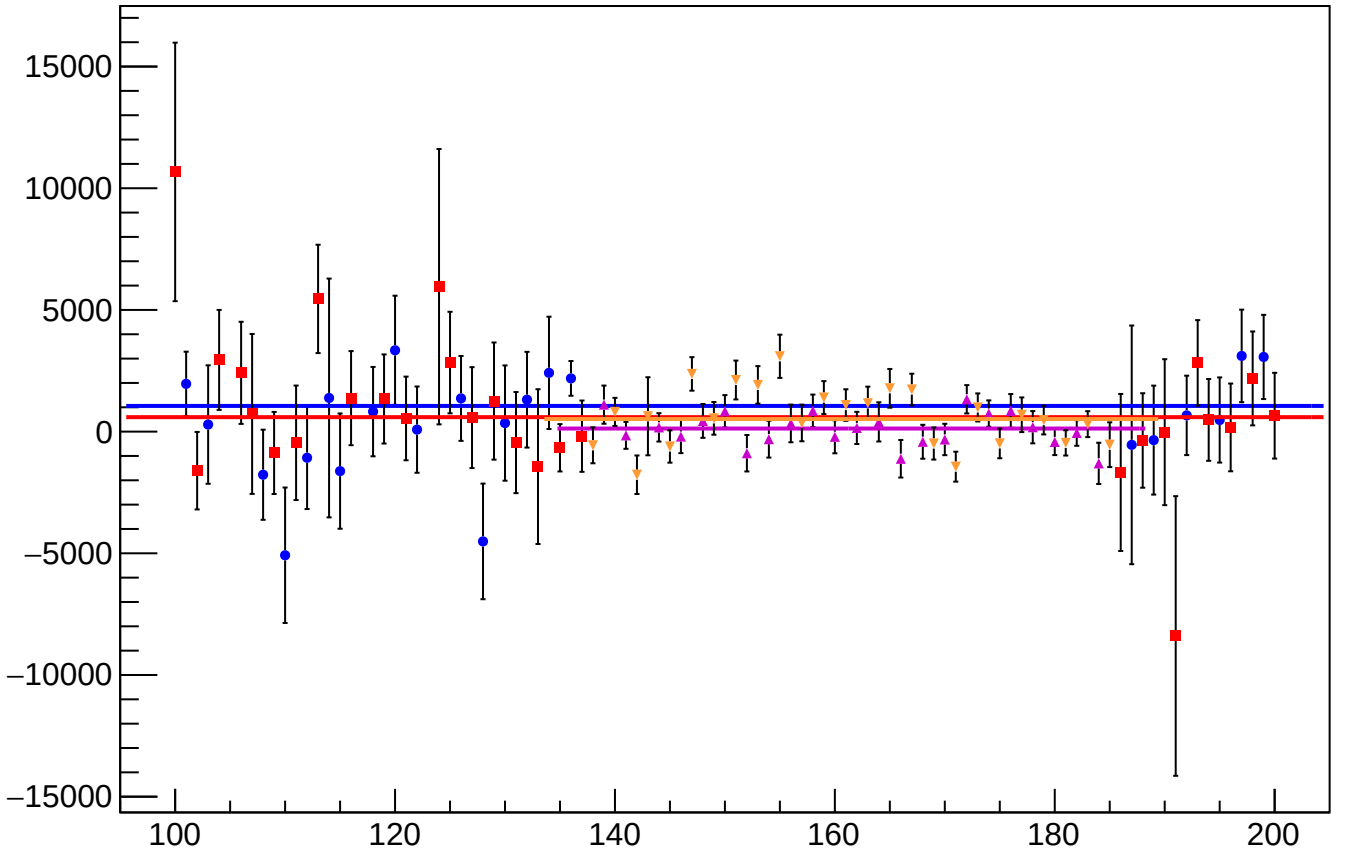
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

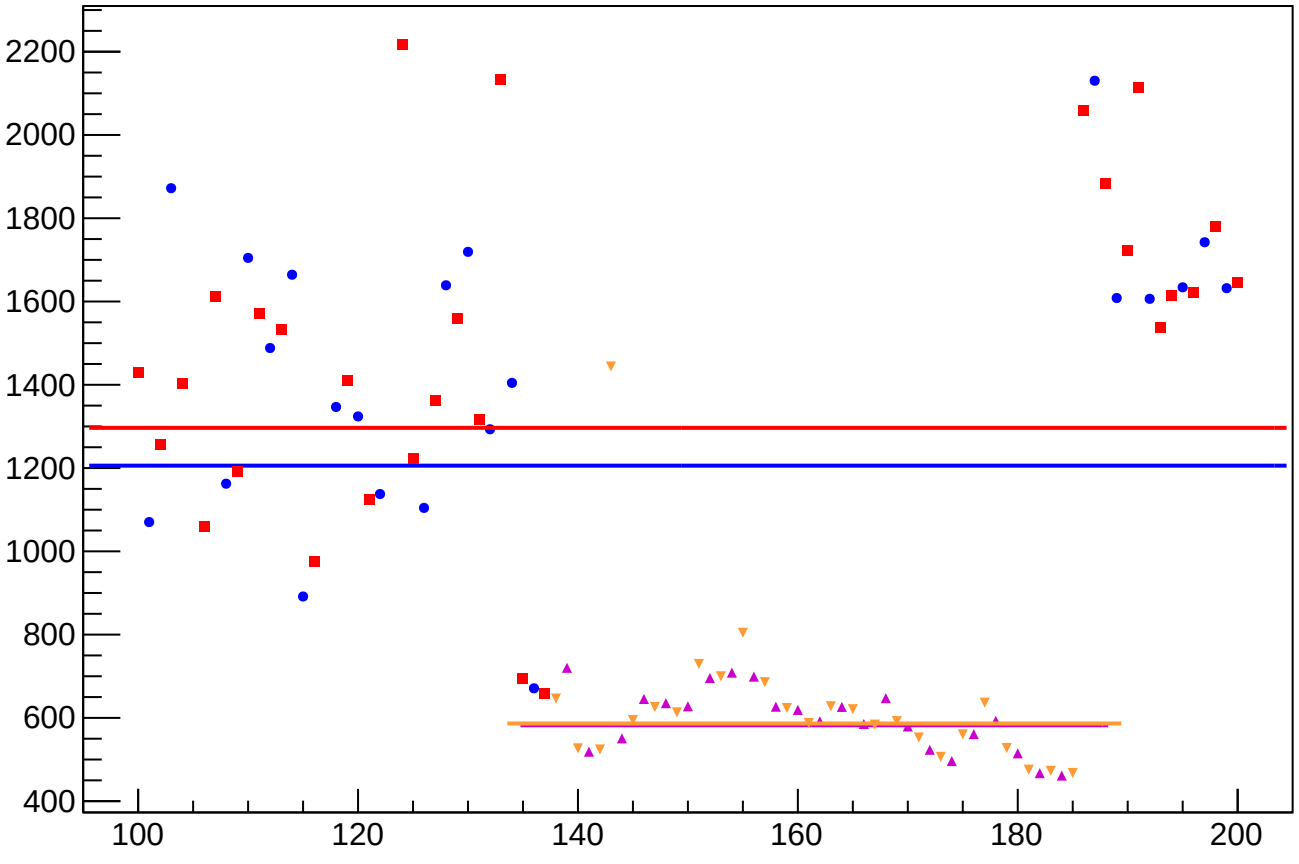
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 382.457+/-90.669 χ^2/NDF: 143.6/97

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

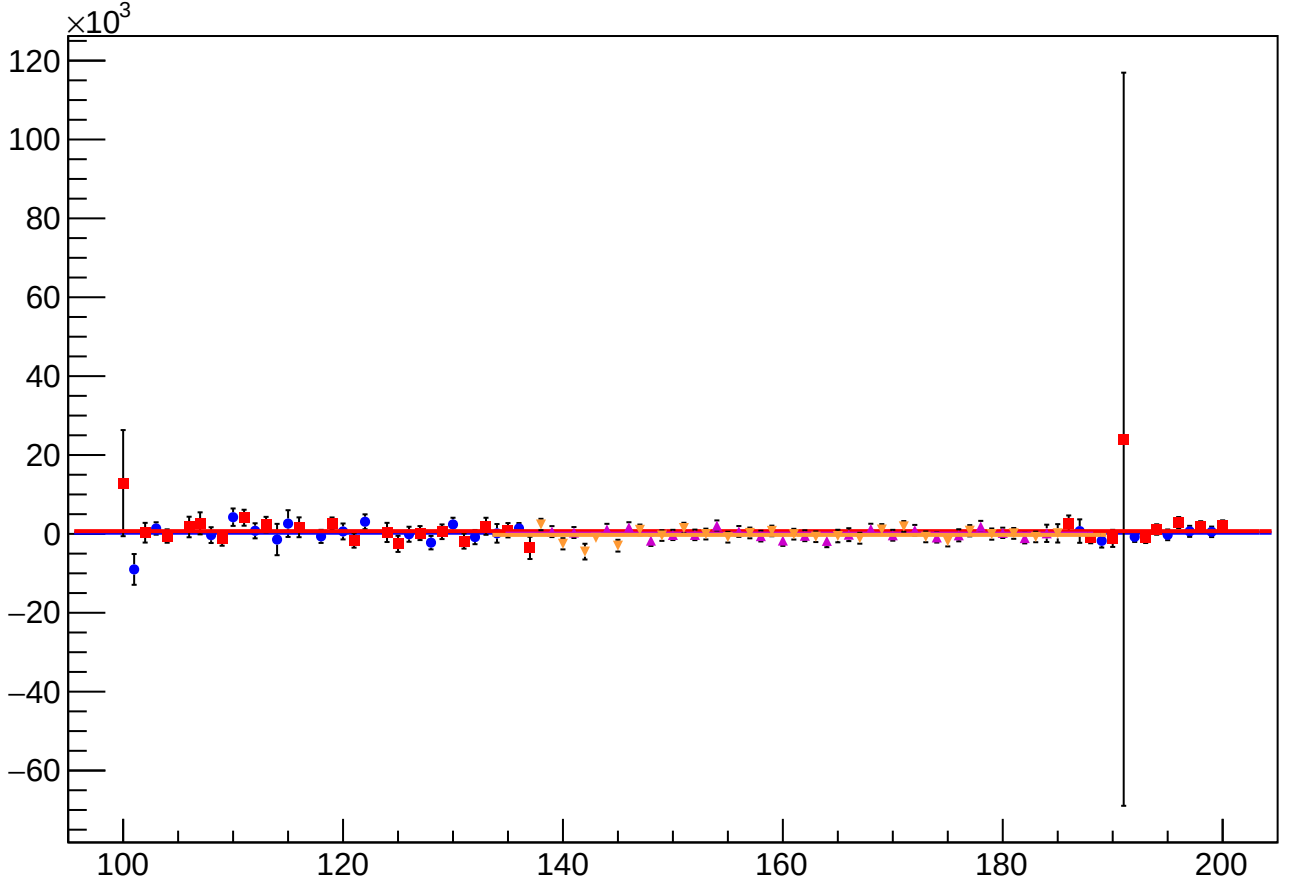
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 699.637+/-353.287 χ^2/NDF: 25.5/27

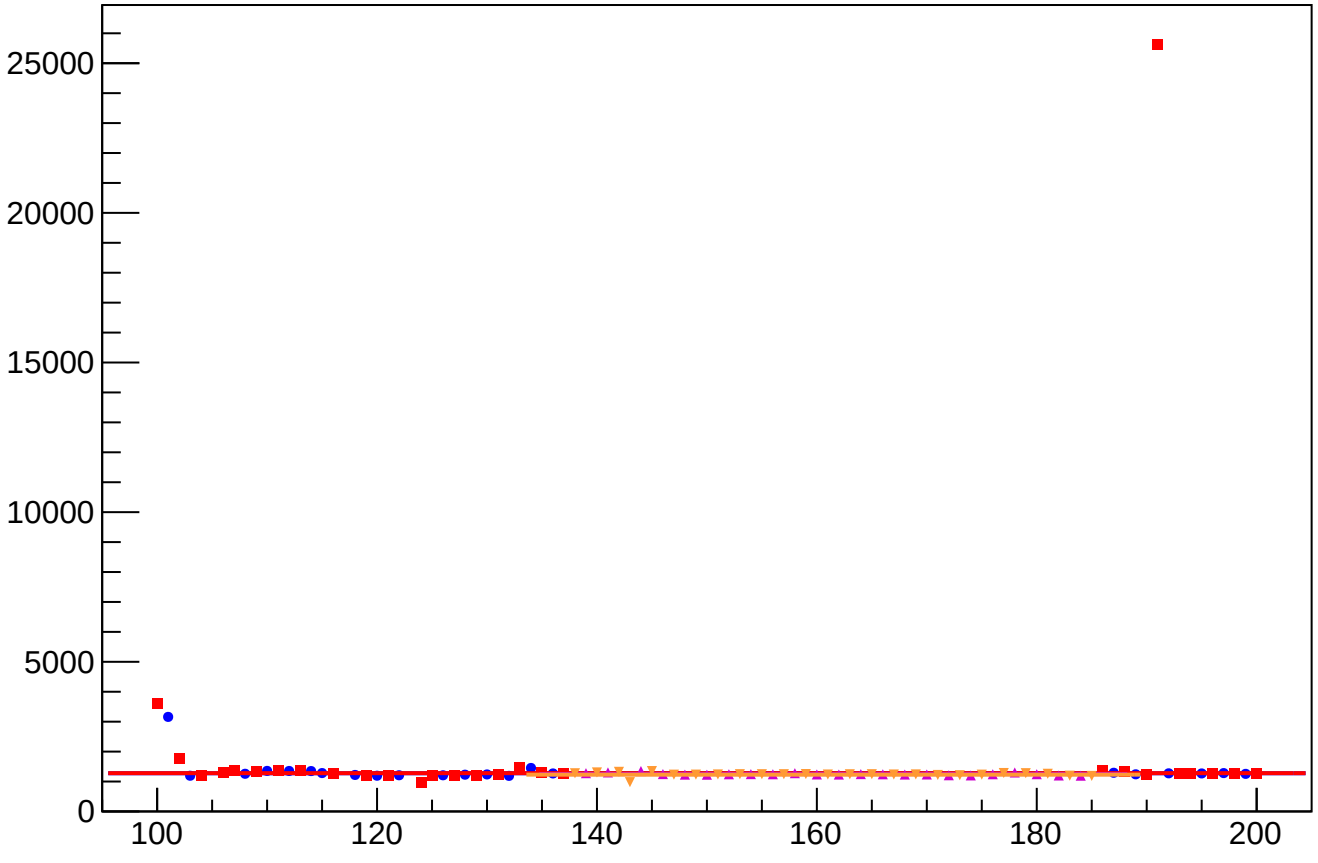
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.660+/-225.399 χ^2/NDF: 45.2/46

All: 134.611+/-159.178 χ^2/NDF: 88.0/97

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

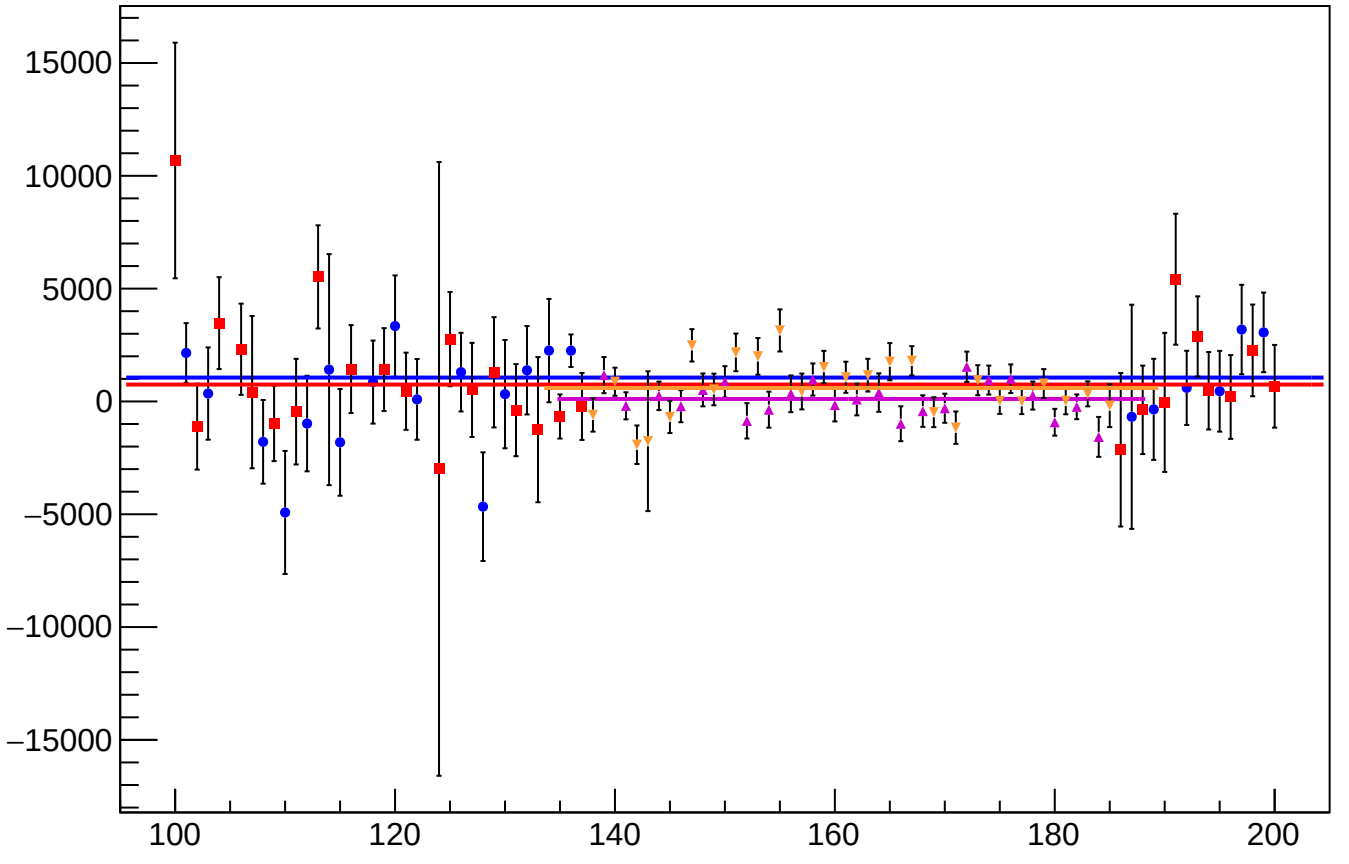
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669349.1/46

All: 1253.433+/-0.113 χ^2/NDF: 1079414.5/97

- sign 1260.667+/-0.159 χ^2/NDF: 405913.0/50



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

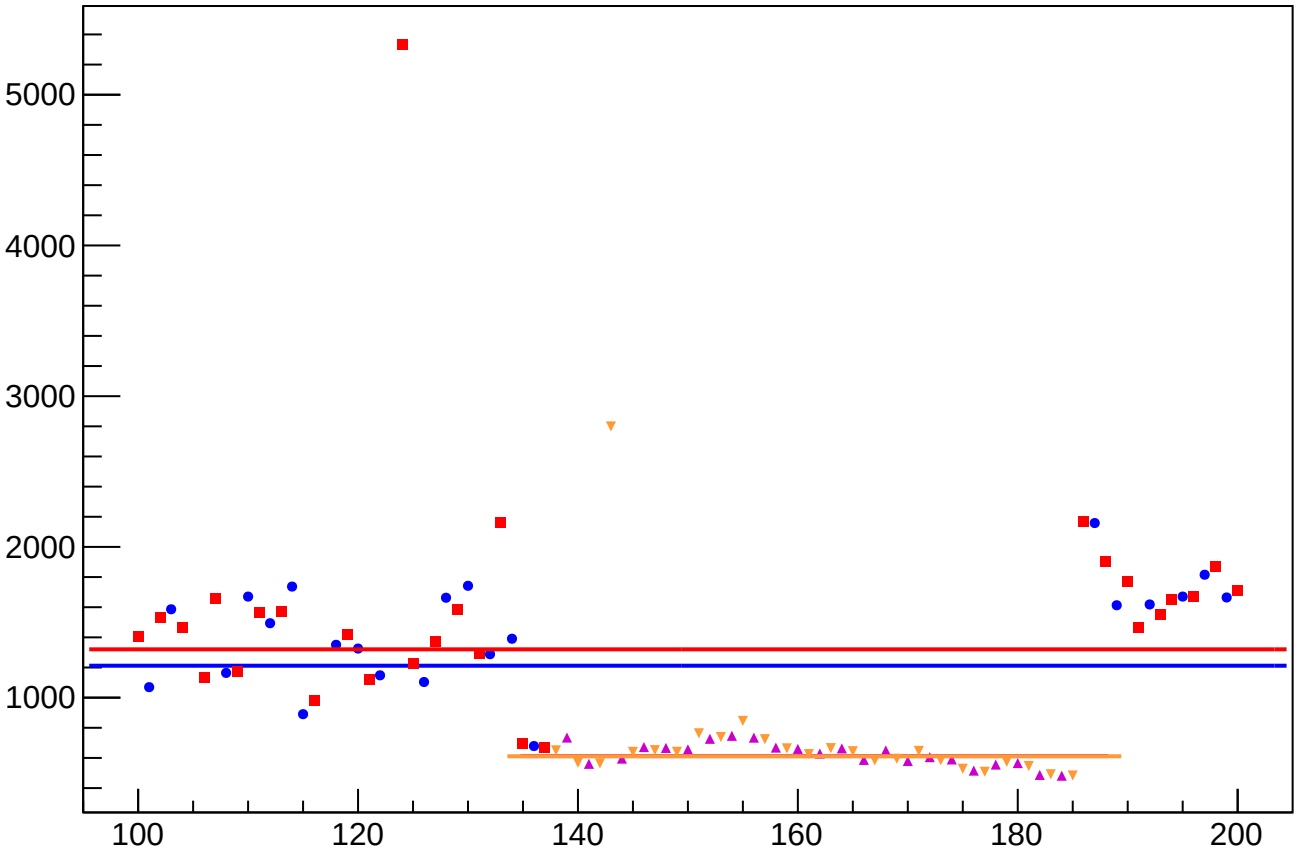
Right Out: 748.259+/-376.775 χ^2/NDF: 23.0/27

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 652.577+/-133.002 χ^2/NDF: 82.3/46

All: 425.109+/-94.641 χ^2/NDF: 139.5/97

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

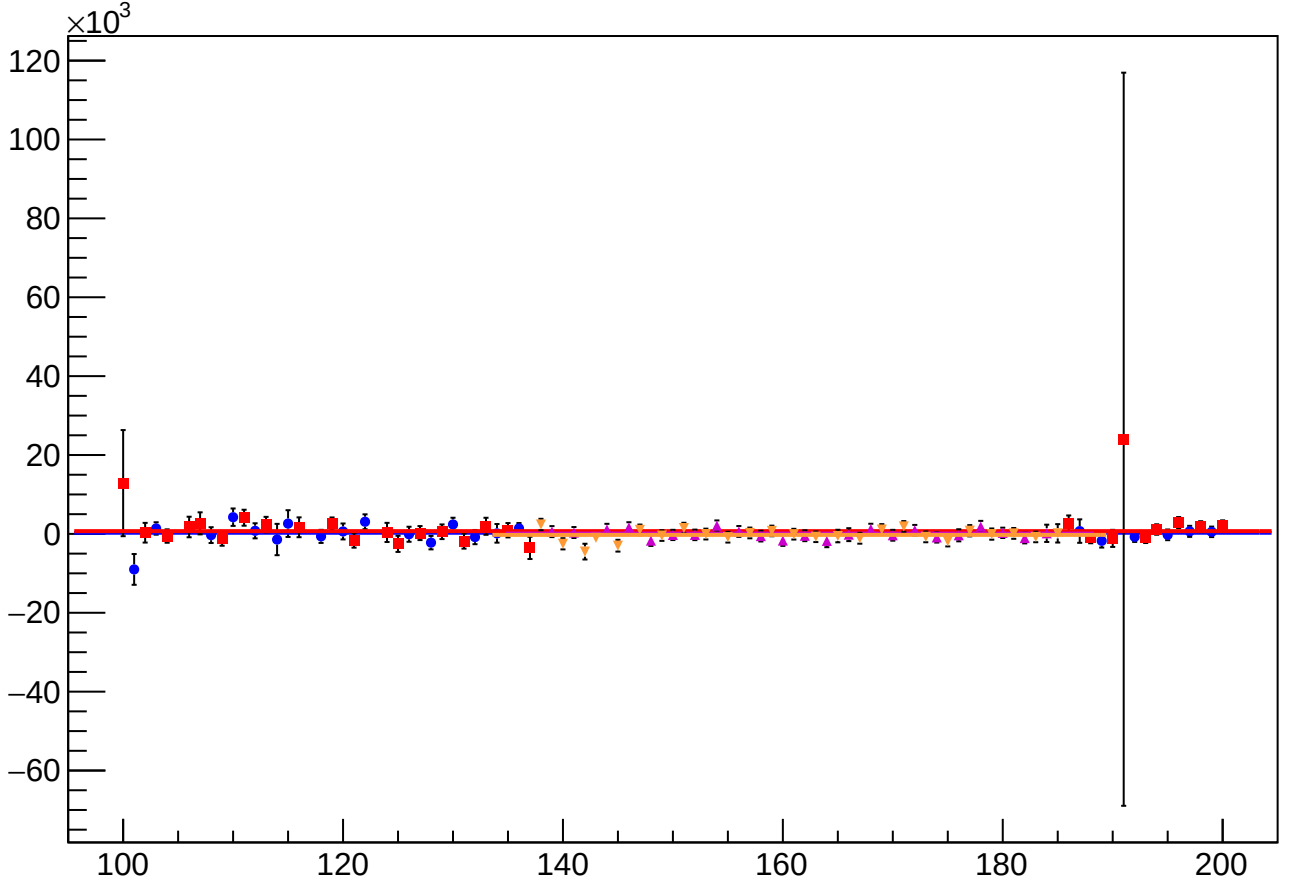
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311959.7/46

All: 694.233+/-0.067 χ^2/NDF: 17528361.9/97

- sign 702.909+/-0.095 χ^2/NDF: 9200017.9/50

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 699.636+/-353.287 χ^2/NDF: 25.5/27

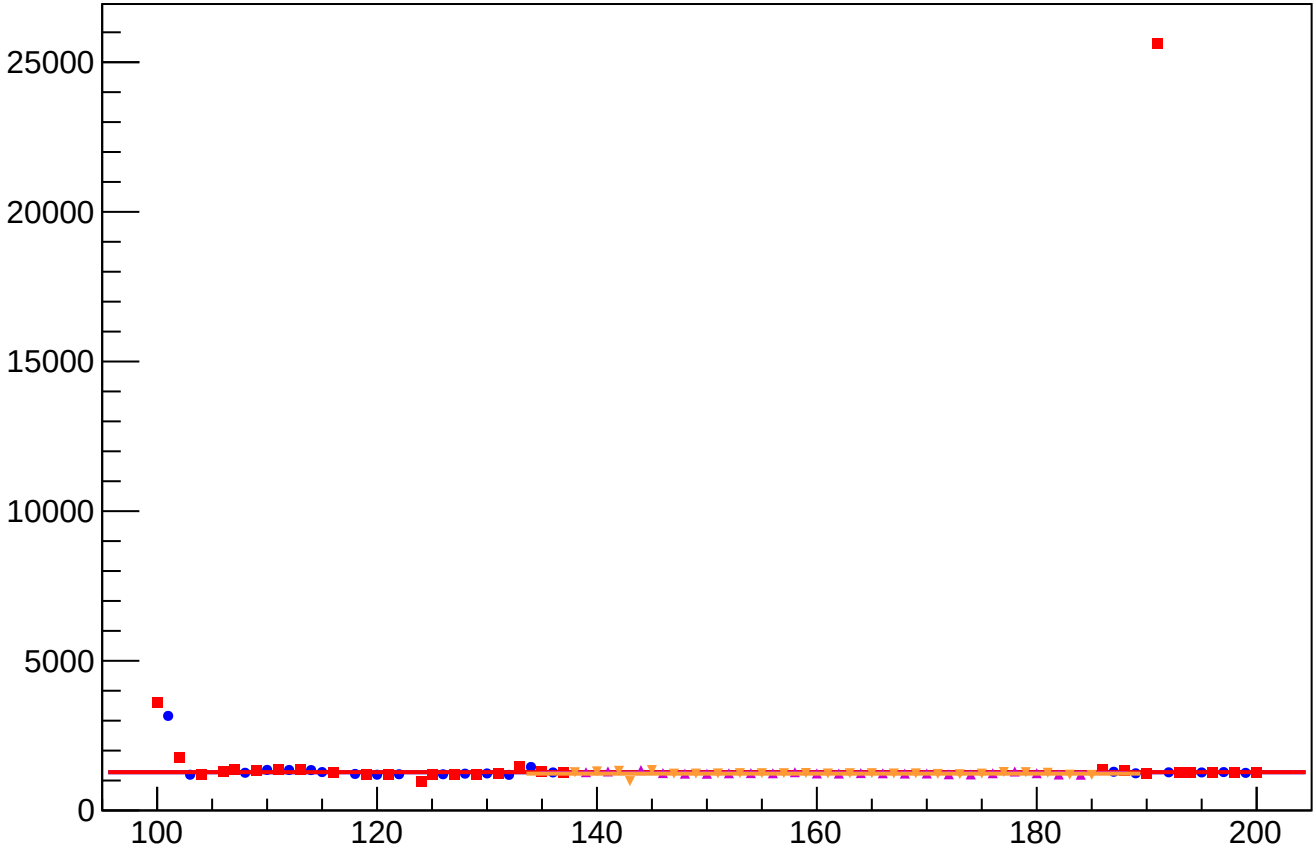
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.661+/-225.399 χ^2/NDF: 45.2/46

All: 134.611+/-159.178 χ^2/NDF: 88.0/97

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

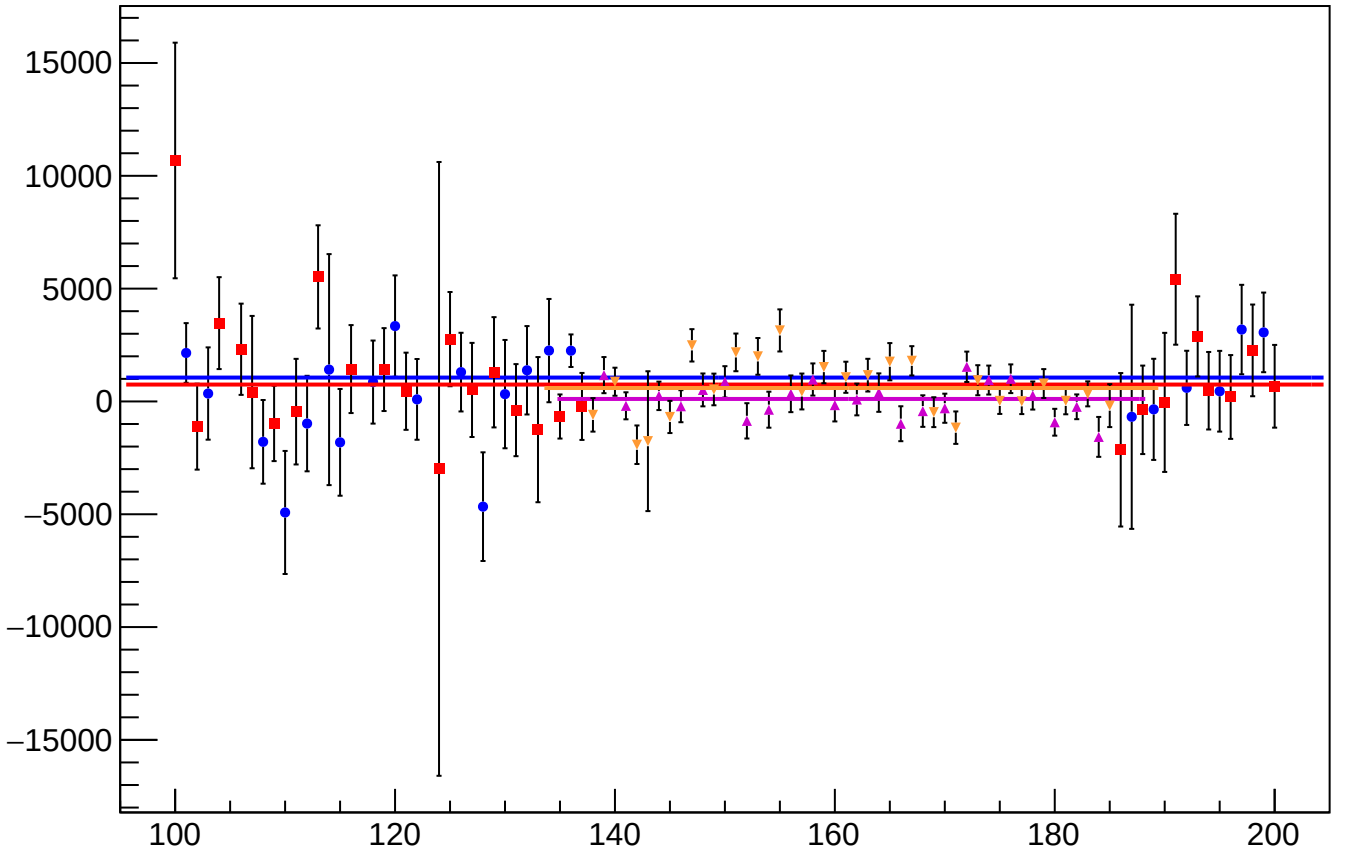
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669348.2/46

All: 1253.433+/-0.113 χ^2/NDF: 1079413.5/97

- sign 1260.667+/-0.159 χ^2/NDF: 405912.9/50



Right In: 1058.122+/-377.212 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

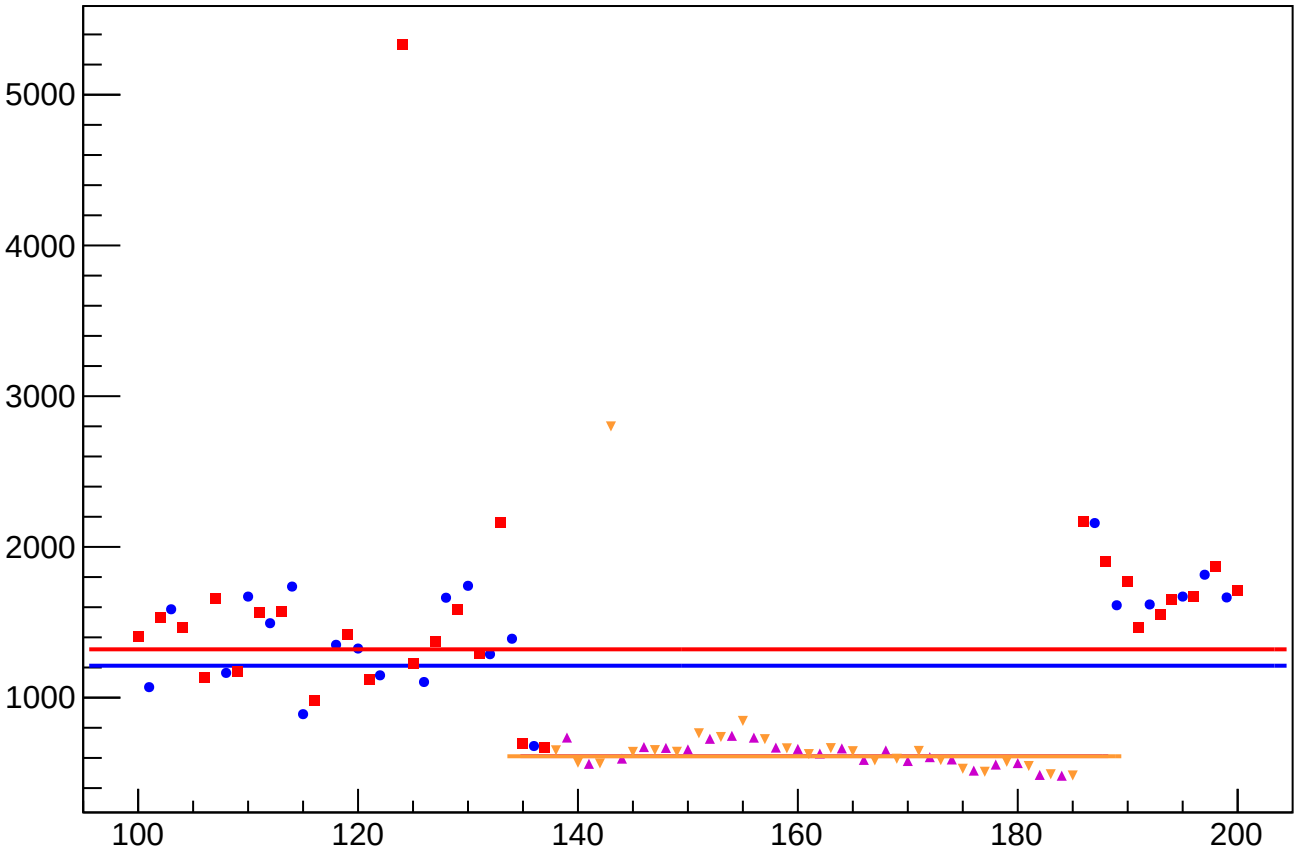
Right Out: 748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 652.576+/-133.002 χ^2/NDF: 82.3/46

All: 425.108+/-94.641 χ^2/NDF: 139.5/97

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



Right In: 1211.859+/-0.267 χ^2/NDF: 2250169.1/21

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

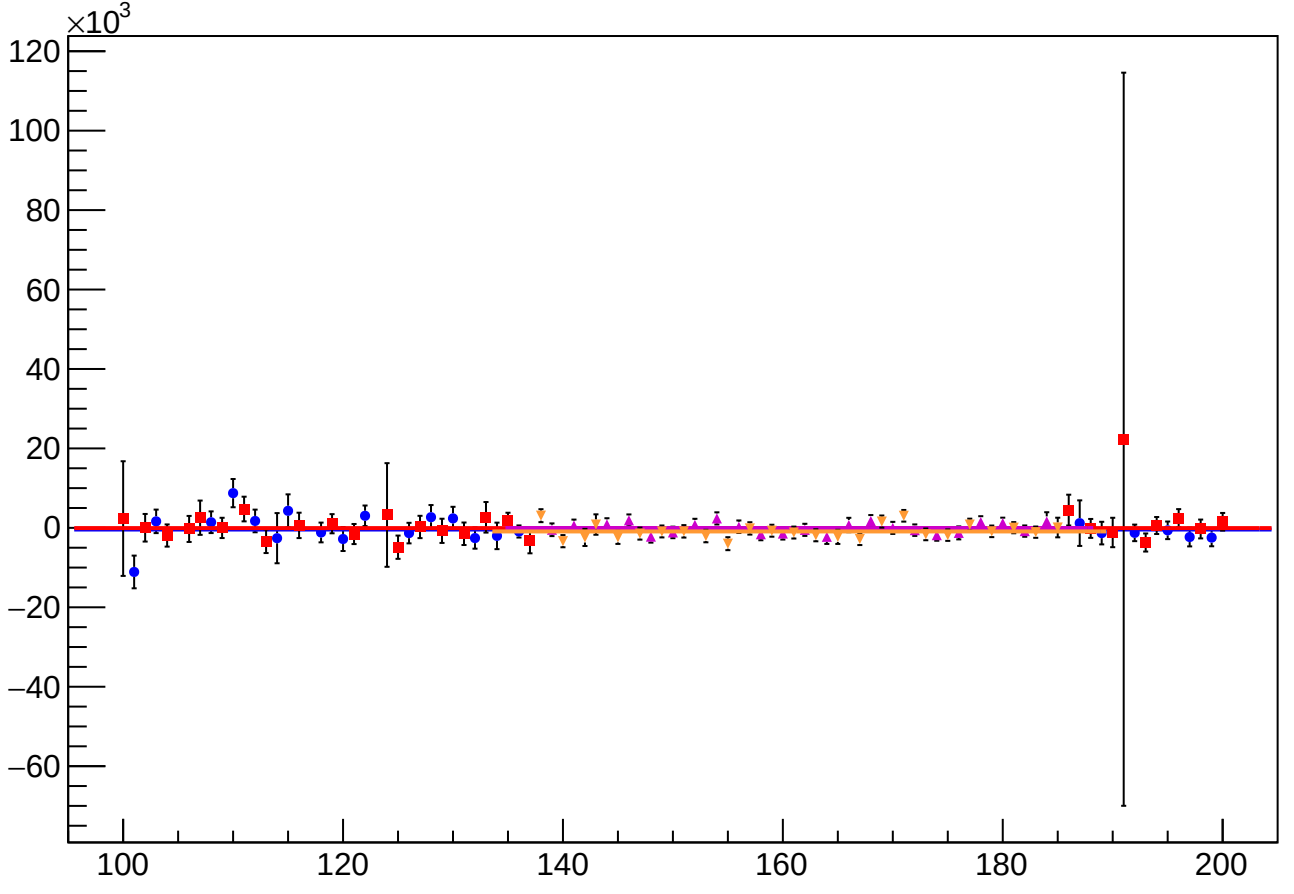
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311945.1/46

All: 694.233+/-0.067 χ^2/NDF: 17528357.0/97

- sign 702.908+/-0.095 χ^2/NDF: 9200028.7/50

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -61.700+/-547.034 χ^2/NDF: 16.3/27

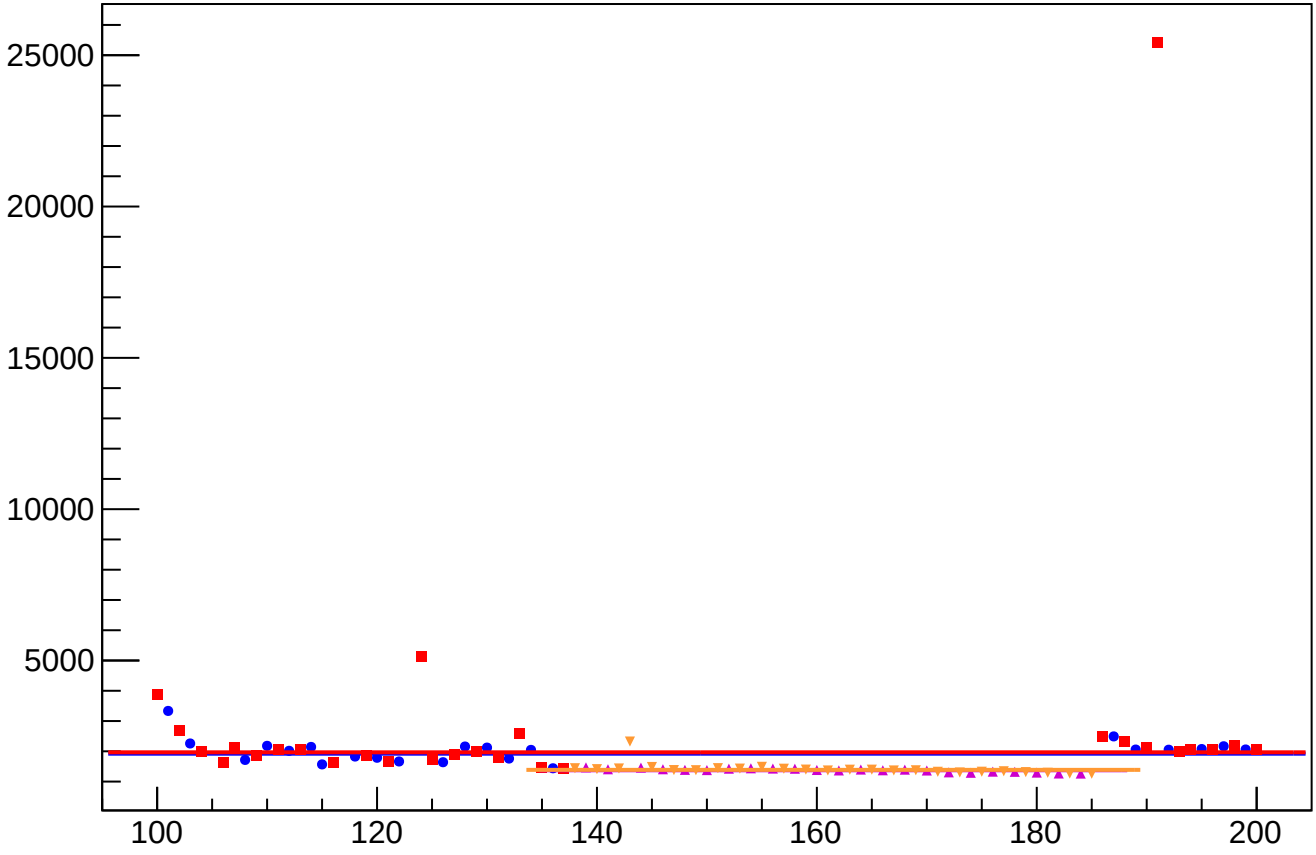
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -788.138+/-277.245 χ^2/NDF: 54.1/46

All: -419.309+/-195.887 χ^2/NDF: 91.7/97

- sign -51.640+/-276.809 χ^2/NDF: 34.2/50

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

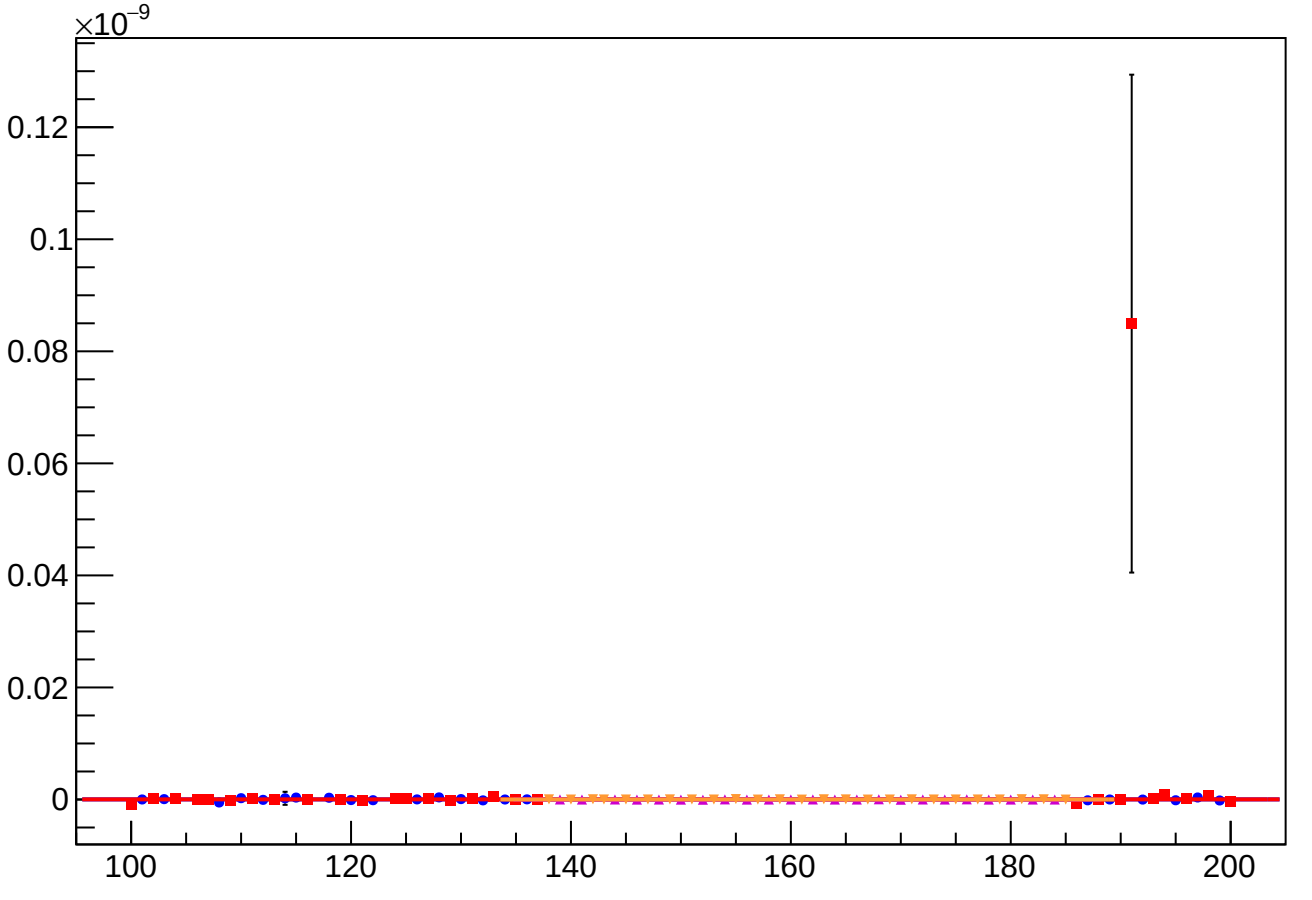
Right Out: 1966.810+/-0.387 χ^2/NDF: 814321.2/27

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1511.116+/-0.196 χ^2/NDF: 2322838.3/46

All: 1518.174+/-0.139 χ^2/NDF: 4956185.8/97

- sign 1525.210+/-0.196 χ^2/NDF: 2630758.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

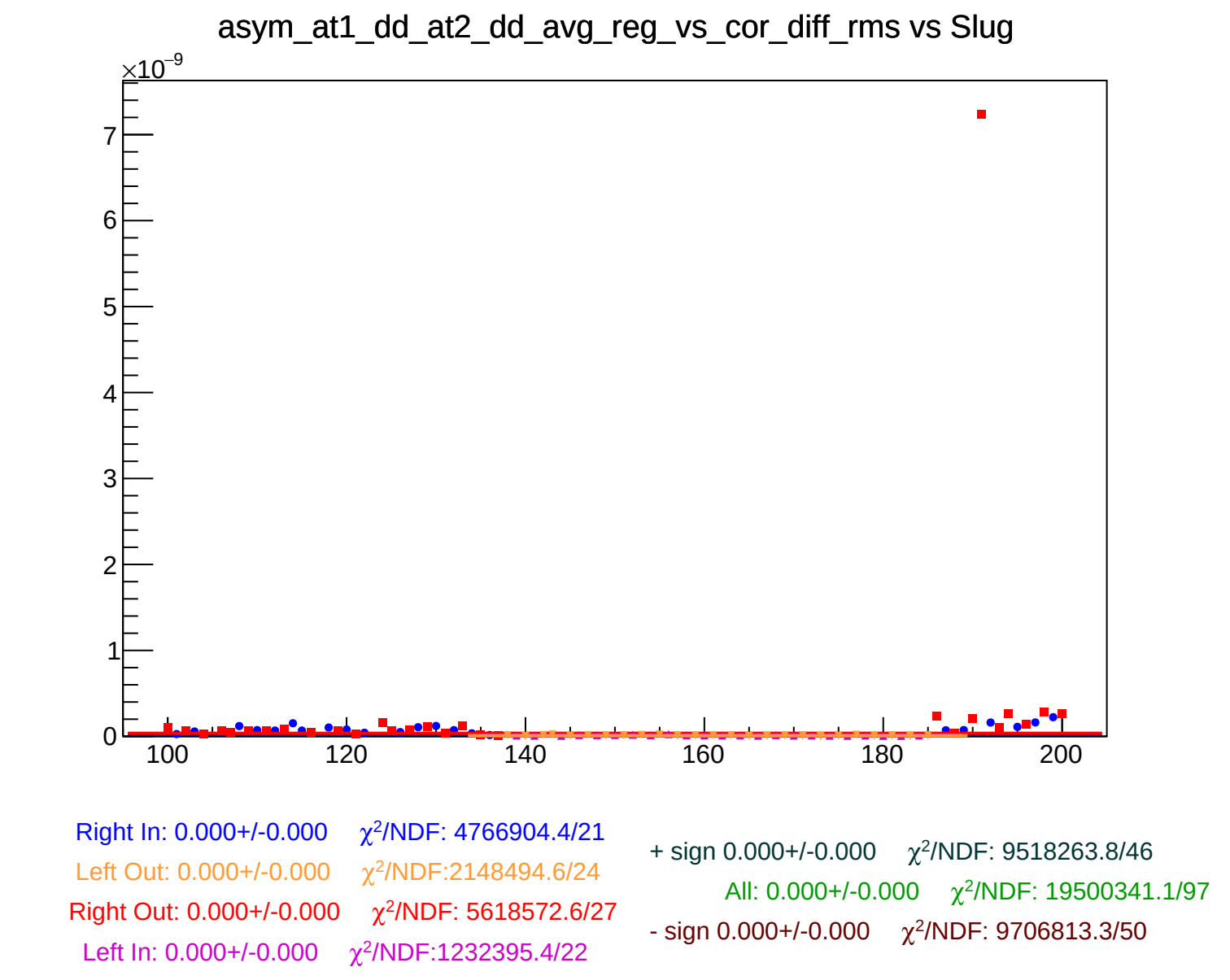
Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/27

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/46

All: 0.000+/-0.000 χ^2/NDF: 103.4/97

- sign -0.000+/-0.000 χ^2/NDF: 57.9/50


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0
1
2
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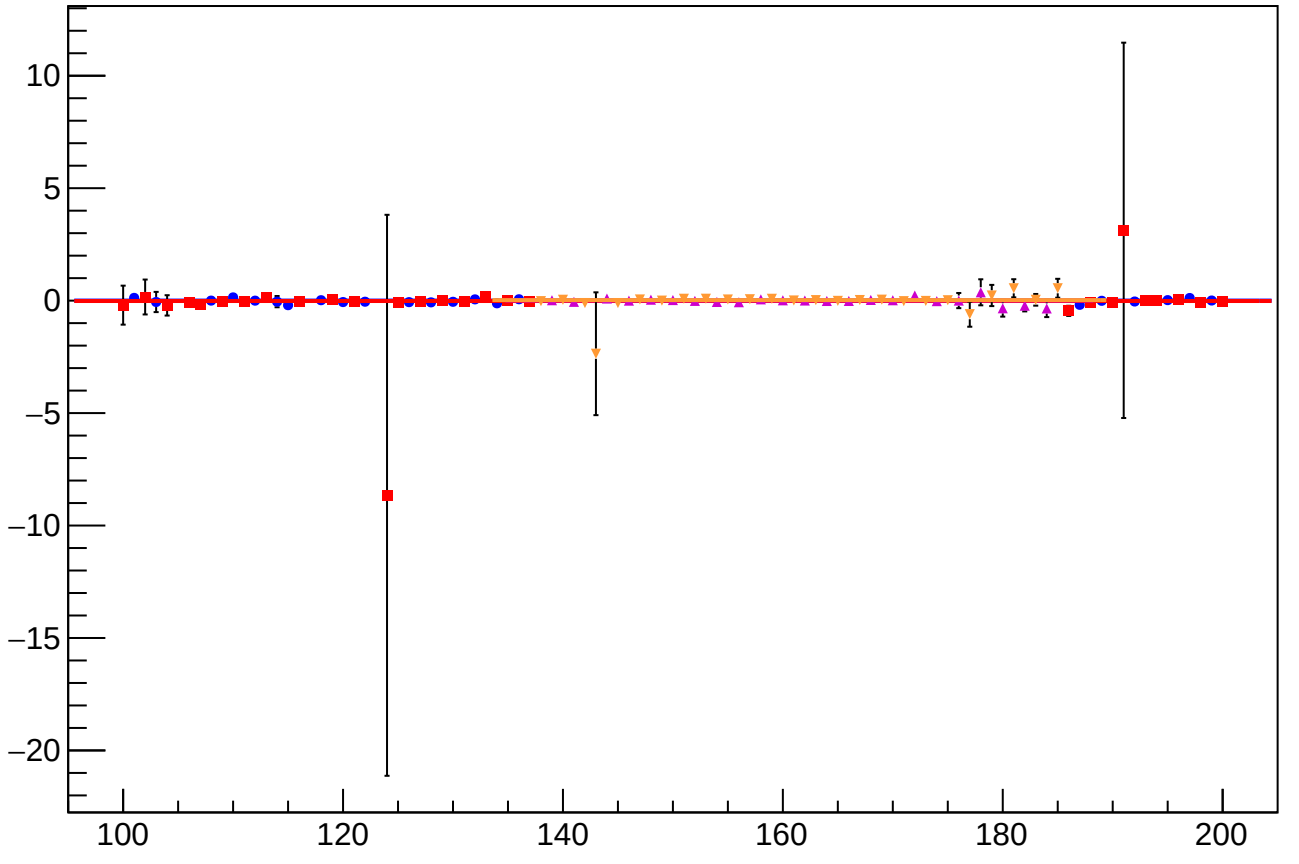
7
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4766904.4/21
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5618572.6/27
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9518263.8/46
All: 0.000+/-0.000 χ²/NDF: 19500341.1/97
- sign 0.000+/-0.000 χ²/NDF: 9706813.3/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

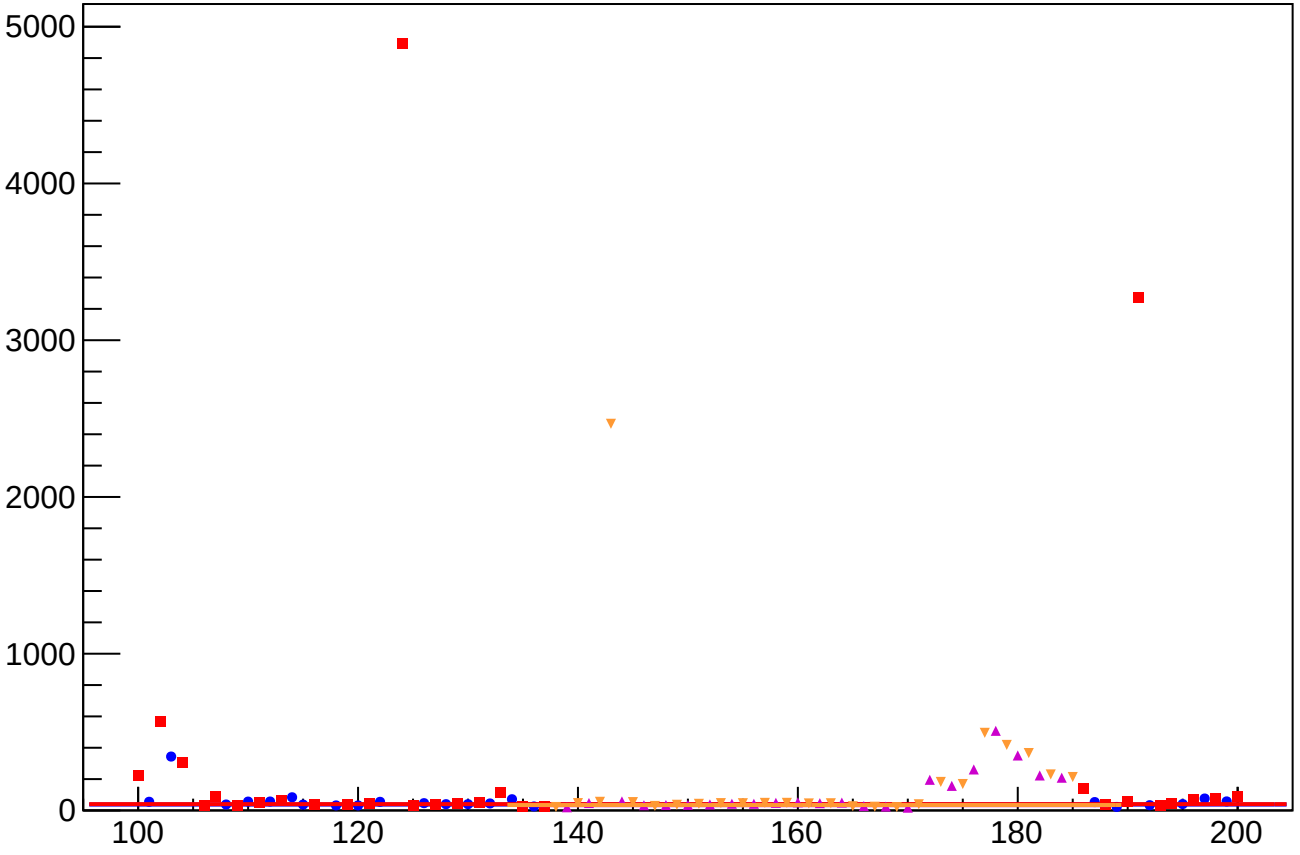
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

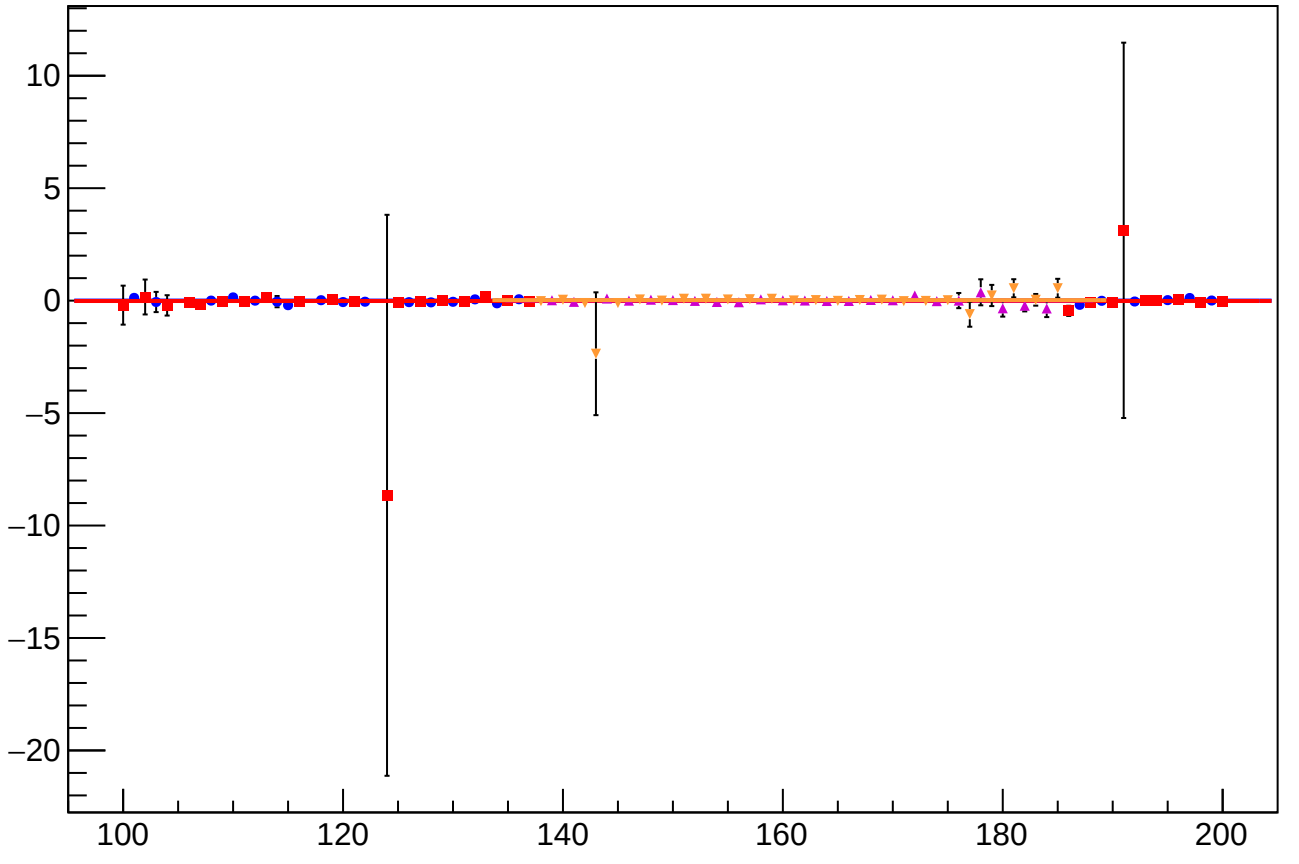
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

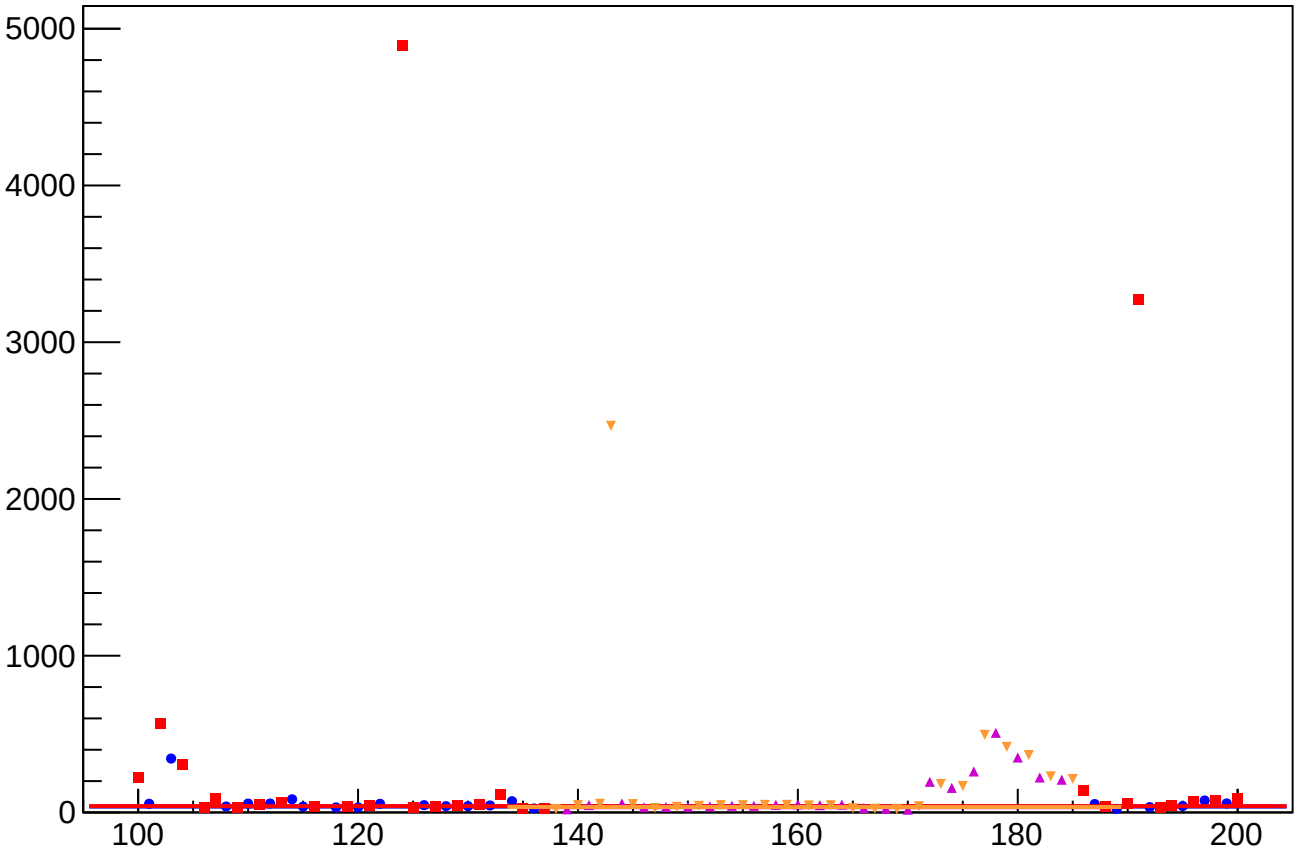
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

\- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

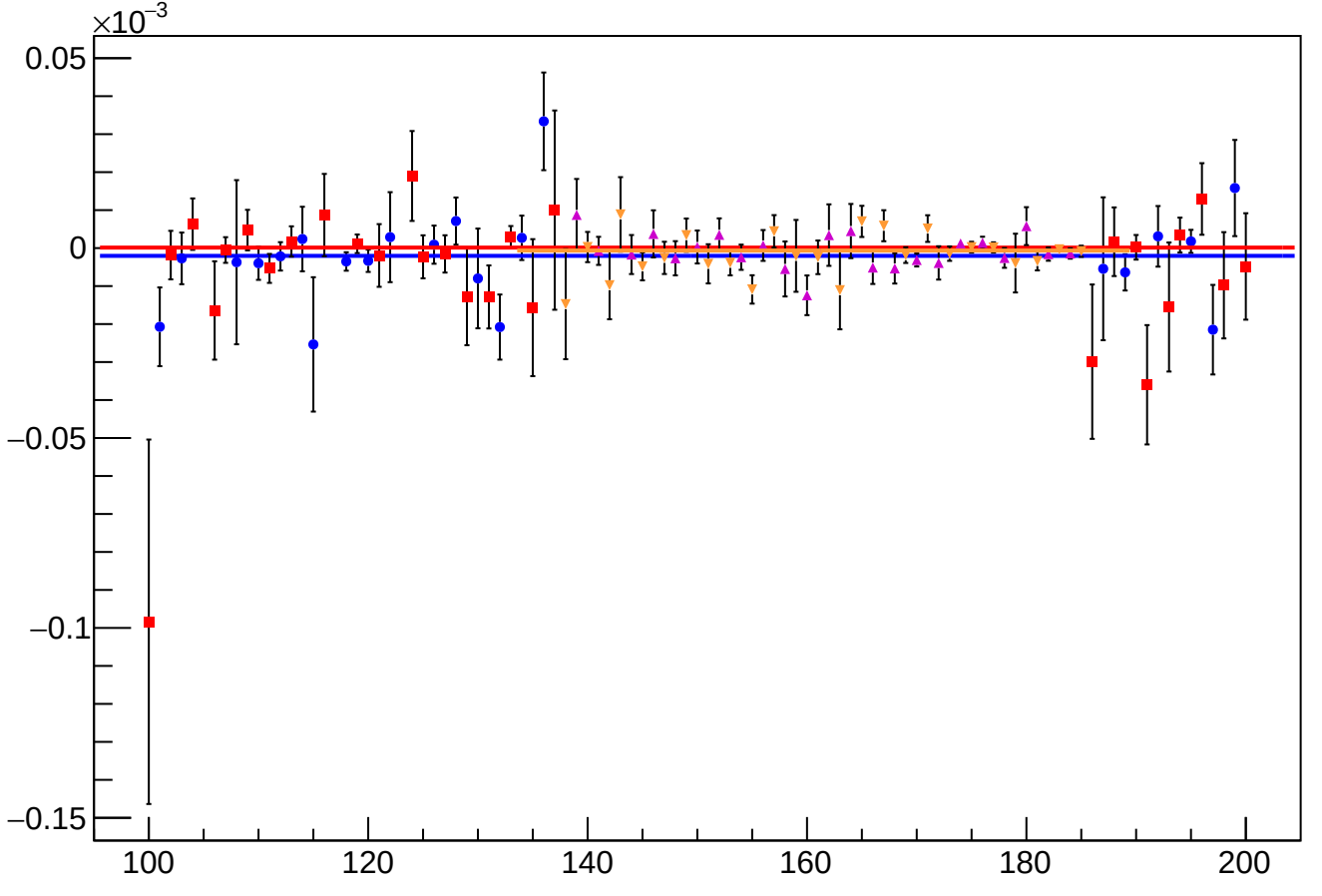
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

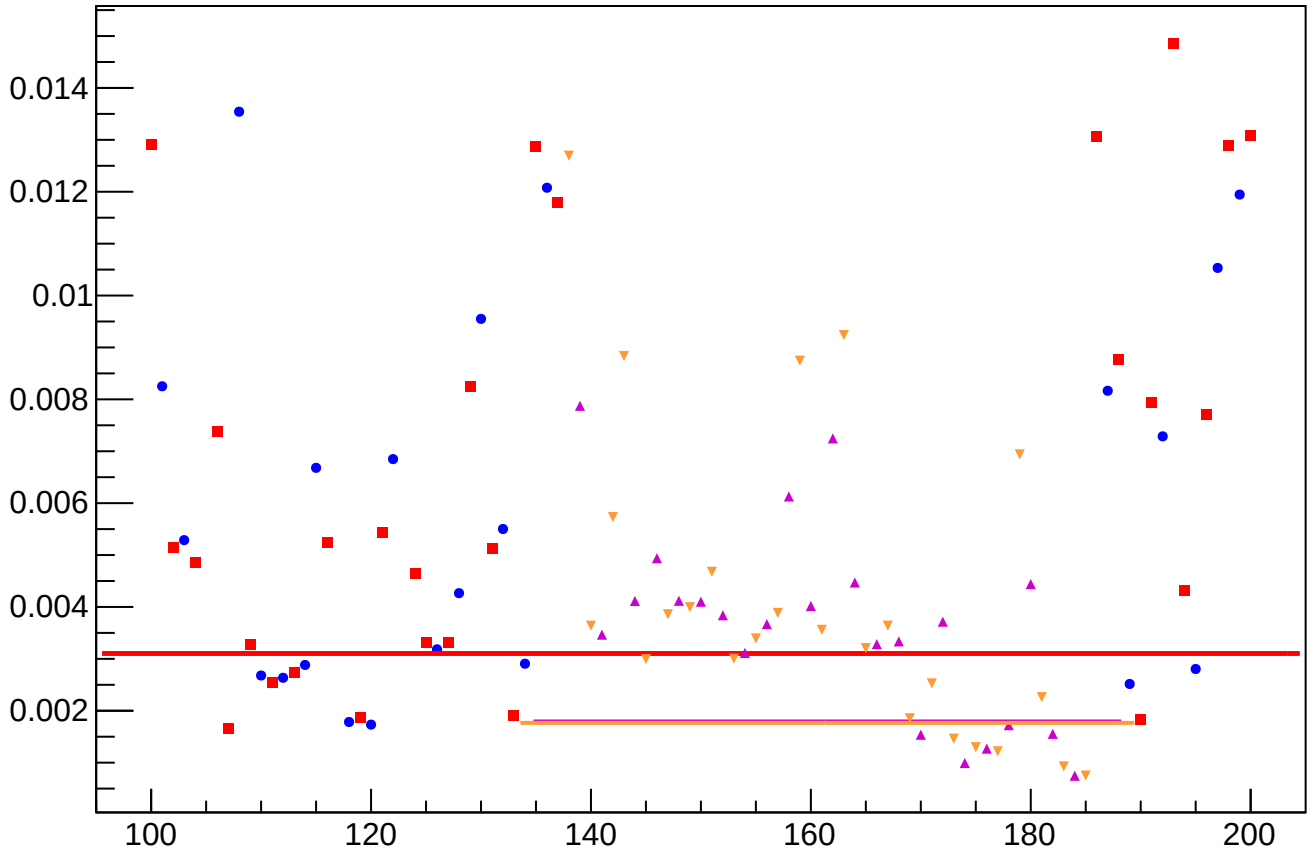
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: -0.000+/-0.000 χ^2/NDF: 112.1/97

- sign -0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

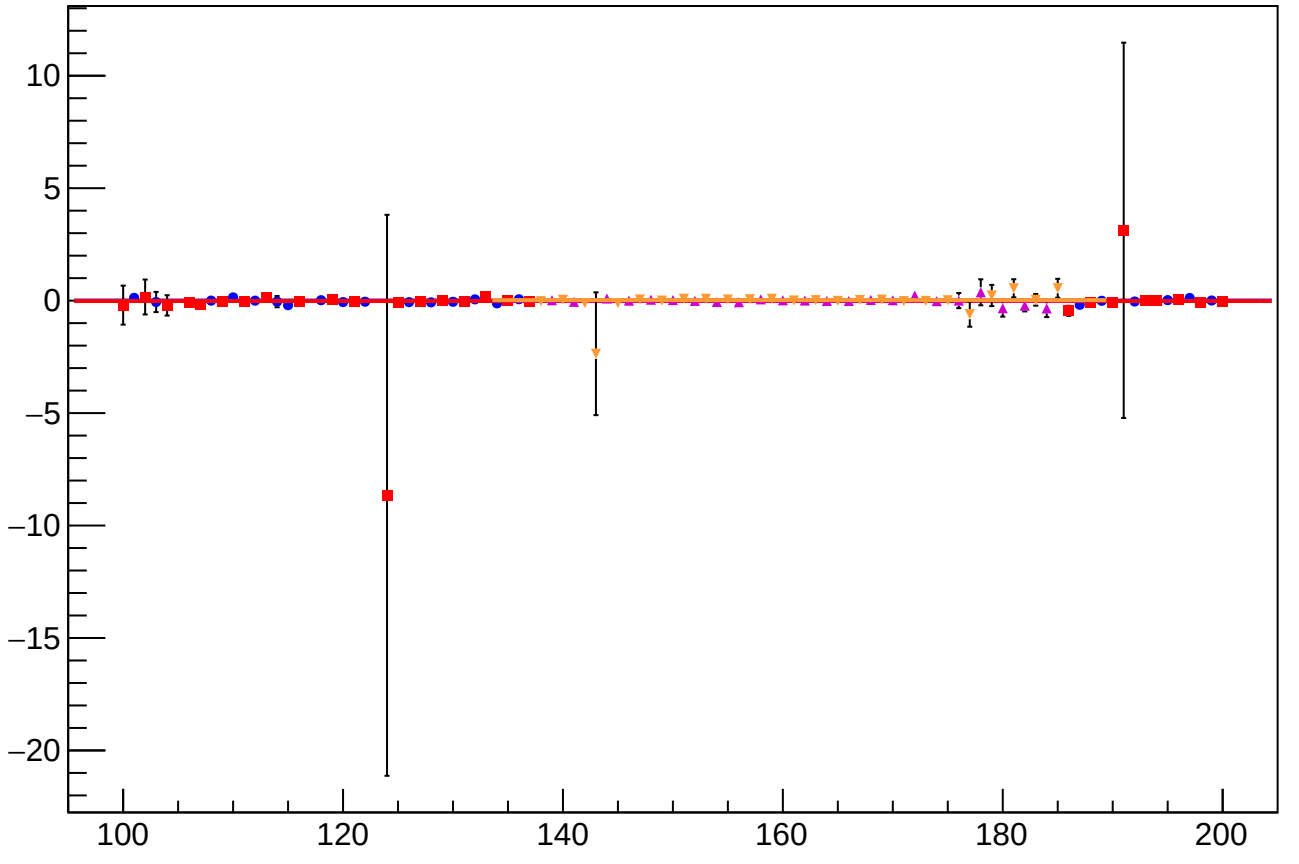
Right Out: 0.003+/-0.000 χ^2/NDF: 8800178.3/27

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 21927871.0/46

All: 0.002+/-0.000 χ^2/NDF: 44021130.5/97

- sign 0.002+/-0.000 χ^2/NDF: 22062245.7/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

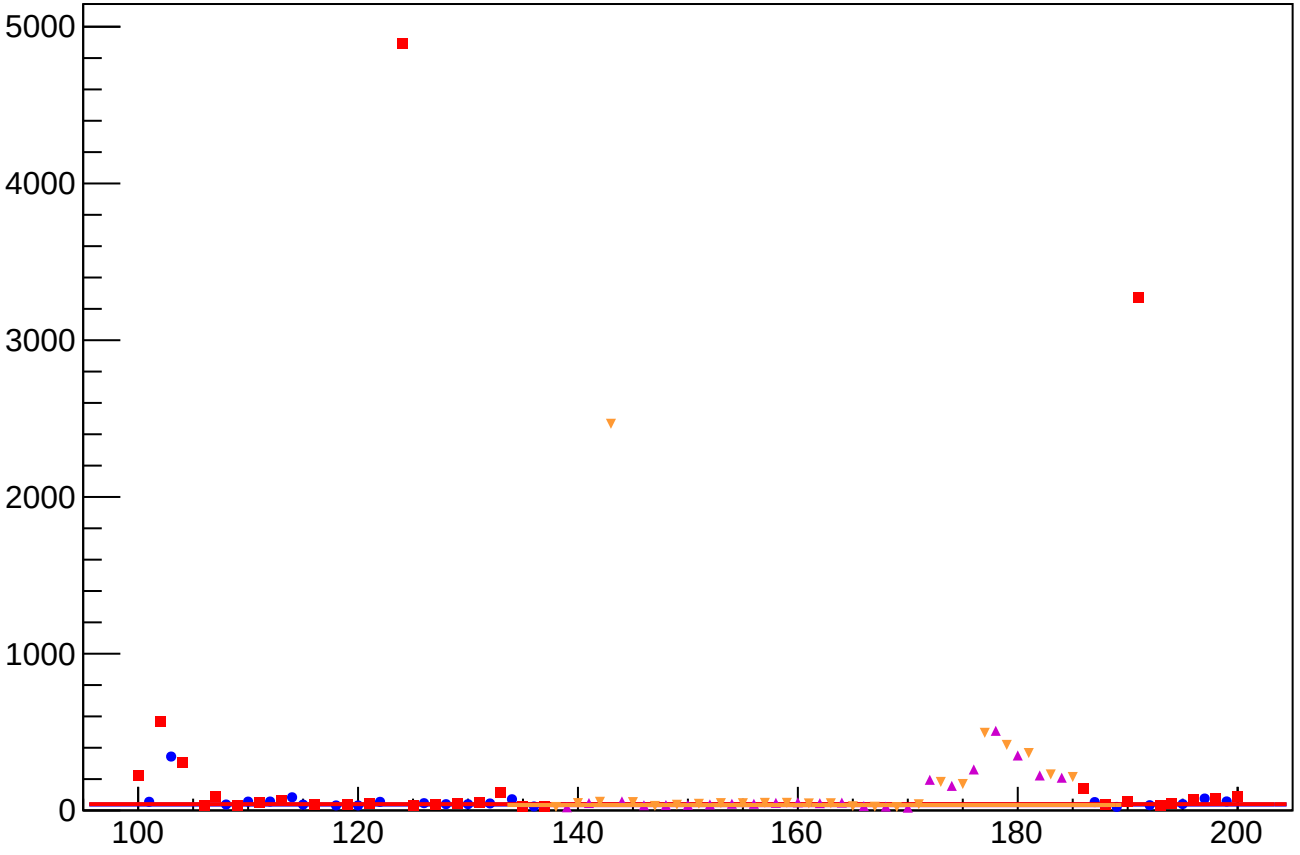
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

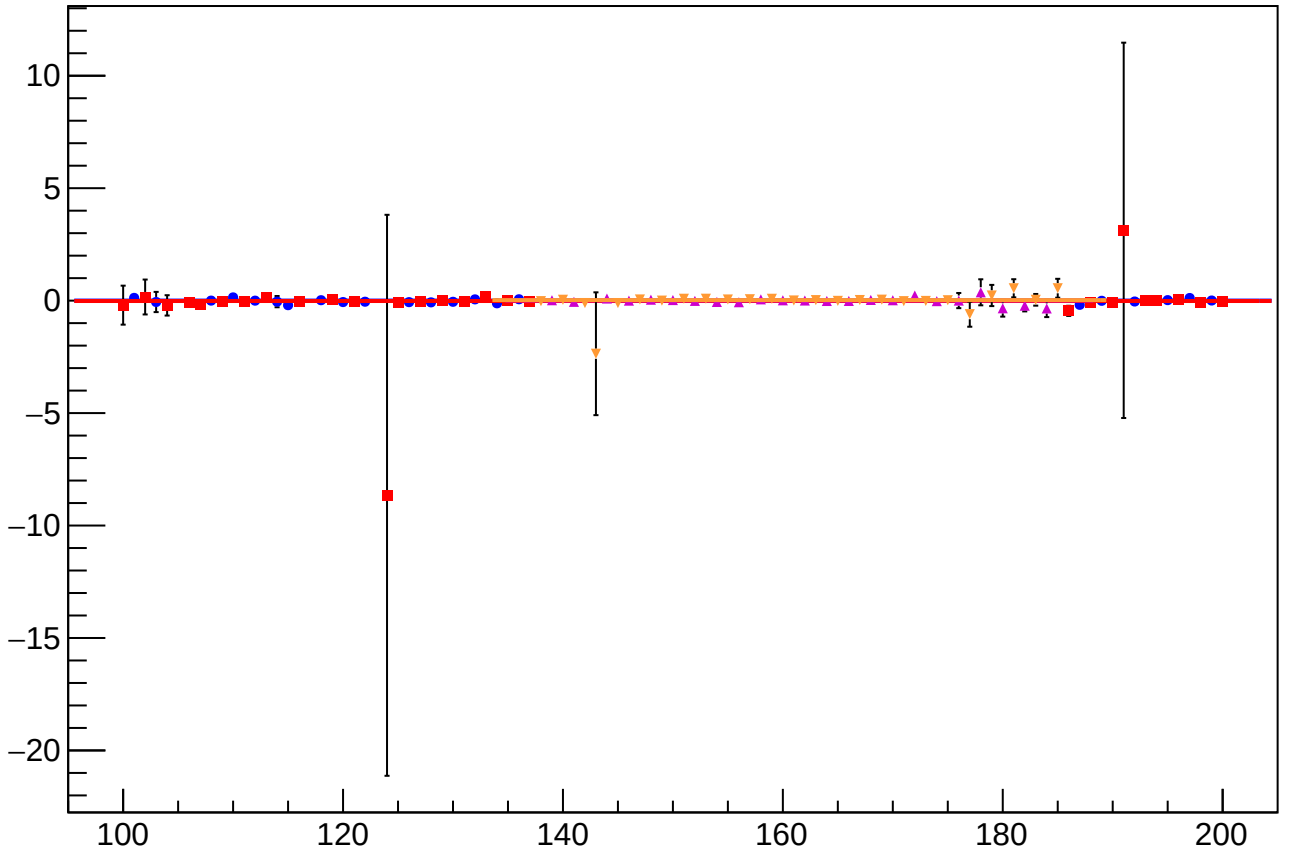
Right Out: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

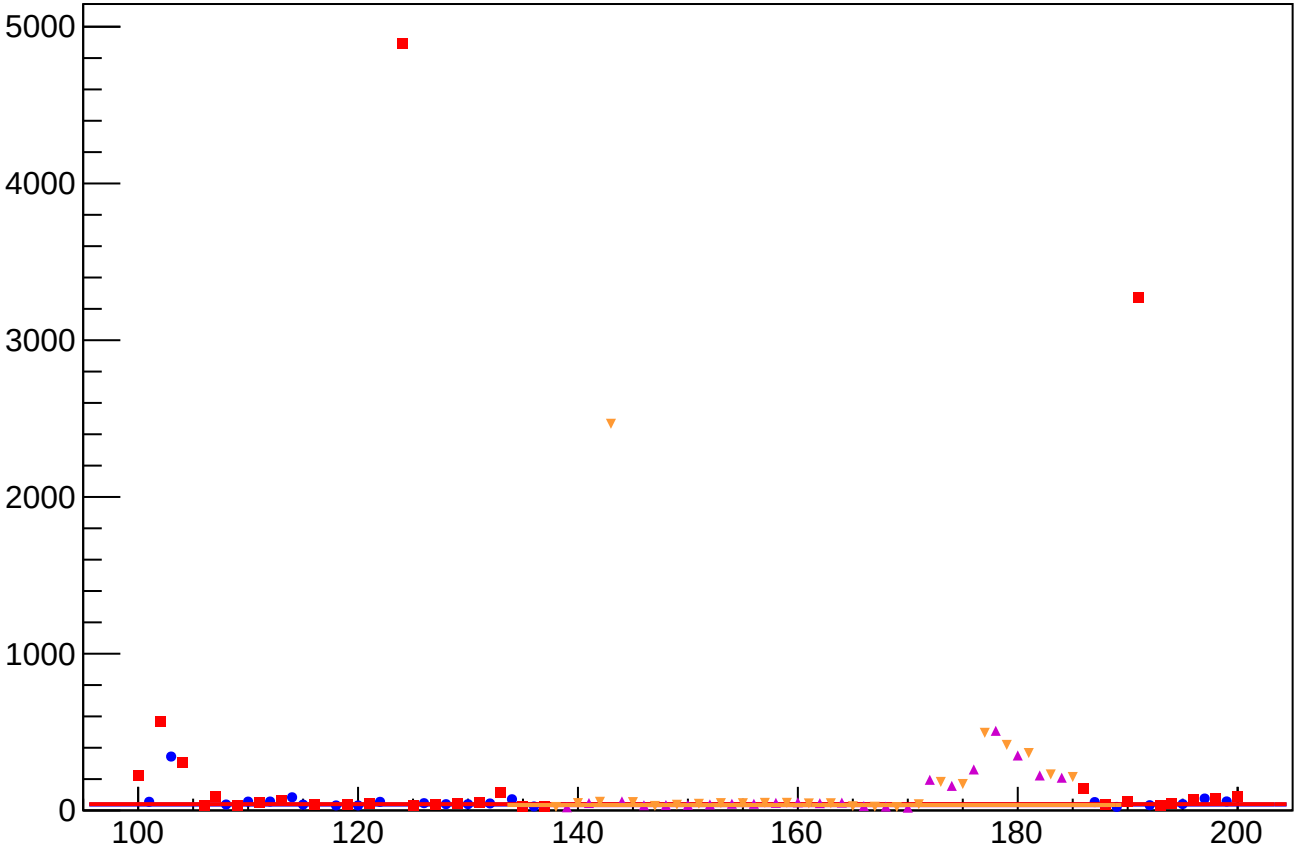
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

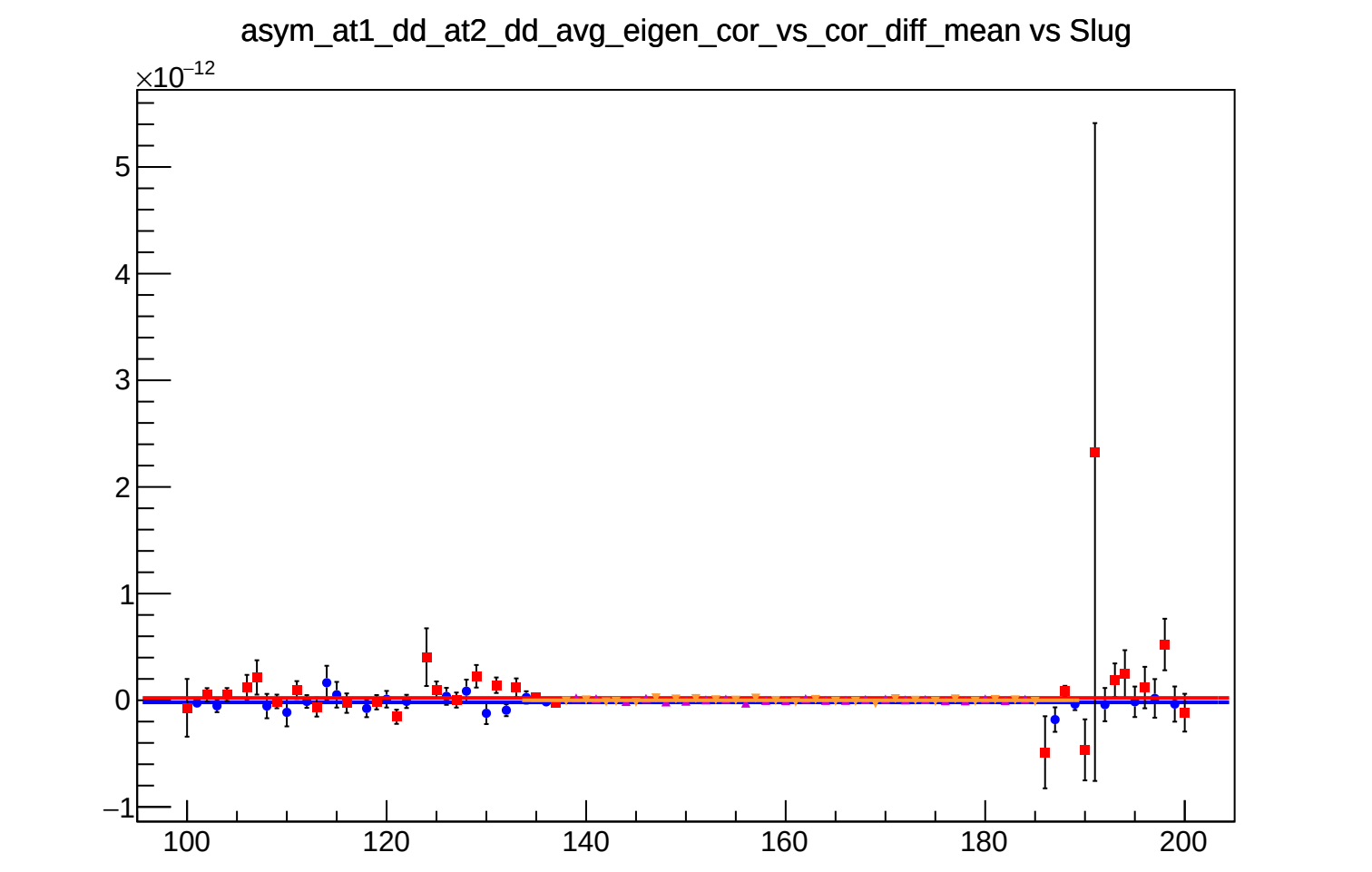
Right Out: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

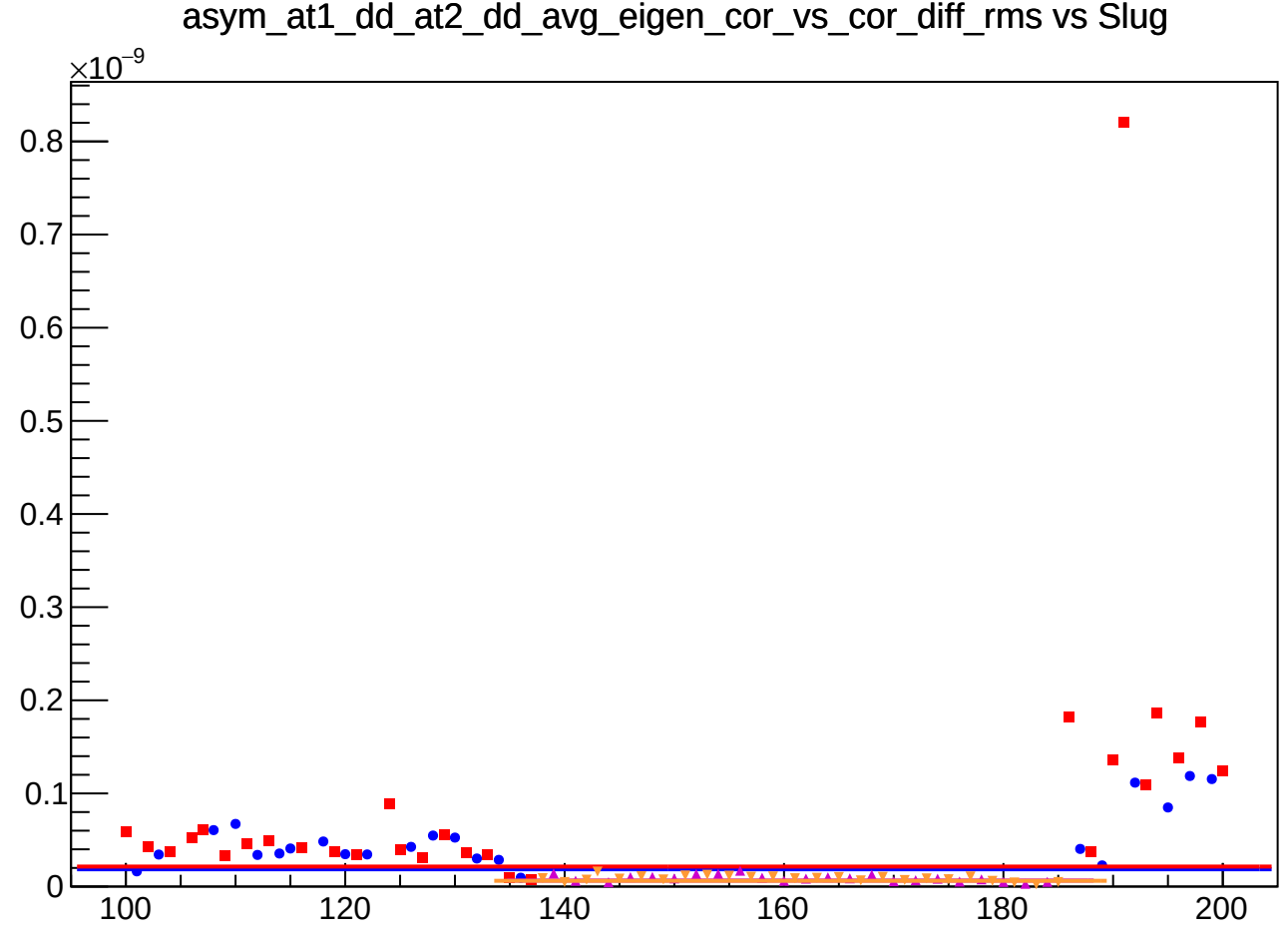
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/27

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/46

All: 0.000+/-0.000 χ^2/NDF: 107.6/97

- sign 0.000+/-0.000 χ^2/NDF: 65.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8875405.8/27

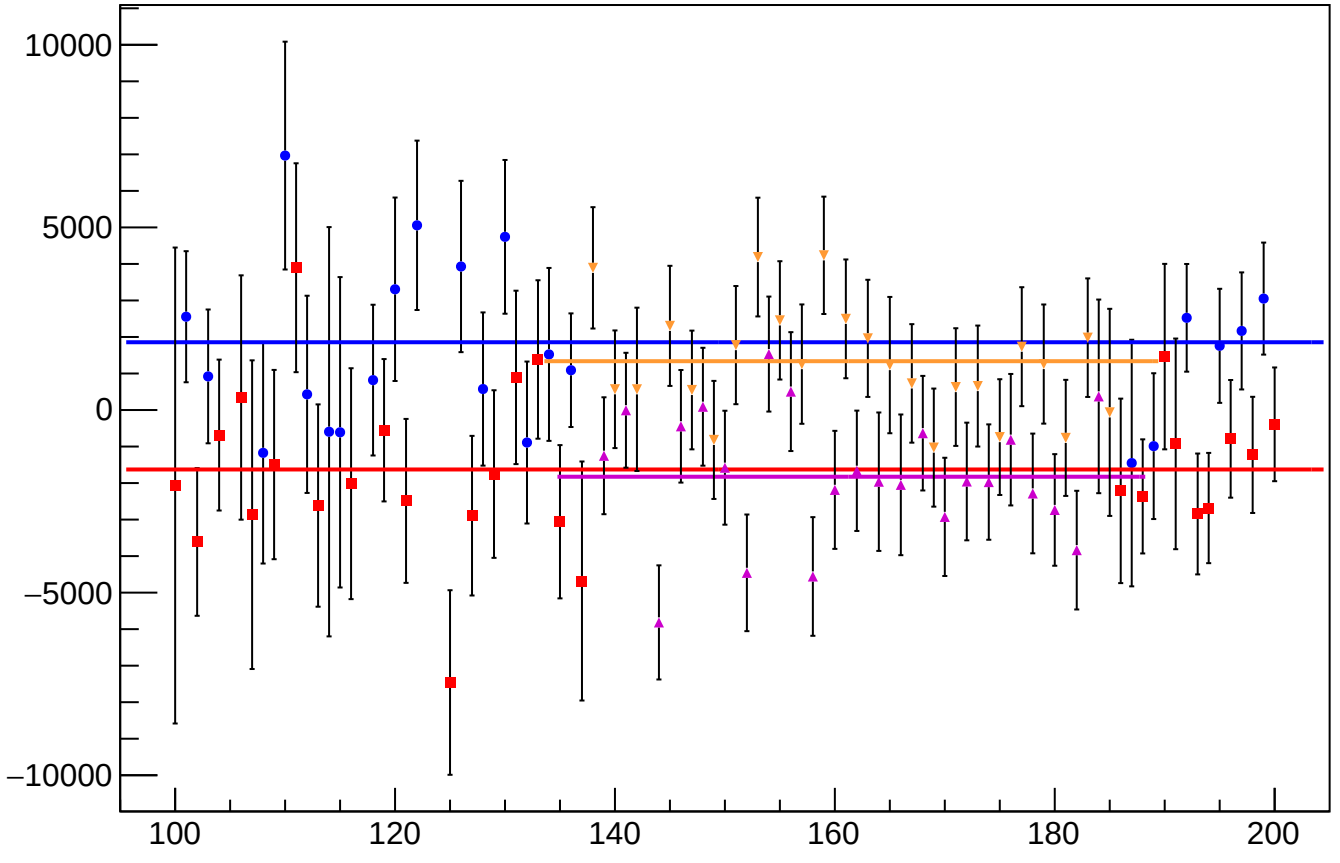
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14015540.8/46

All: 0.000+/-0.000 χ^2/NDF: 30700766.8/97

- sign 0.000+/-0.000 χ^2/NDF: 16657617.8/50

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1855.954+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1628.000+/-418.250 χ^2/NDF: 19.8/26

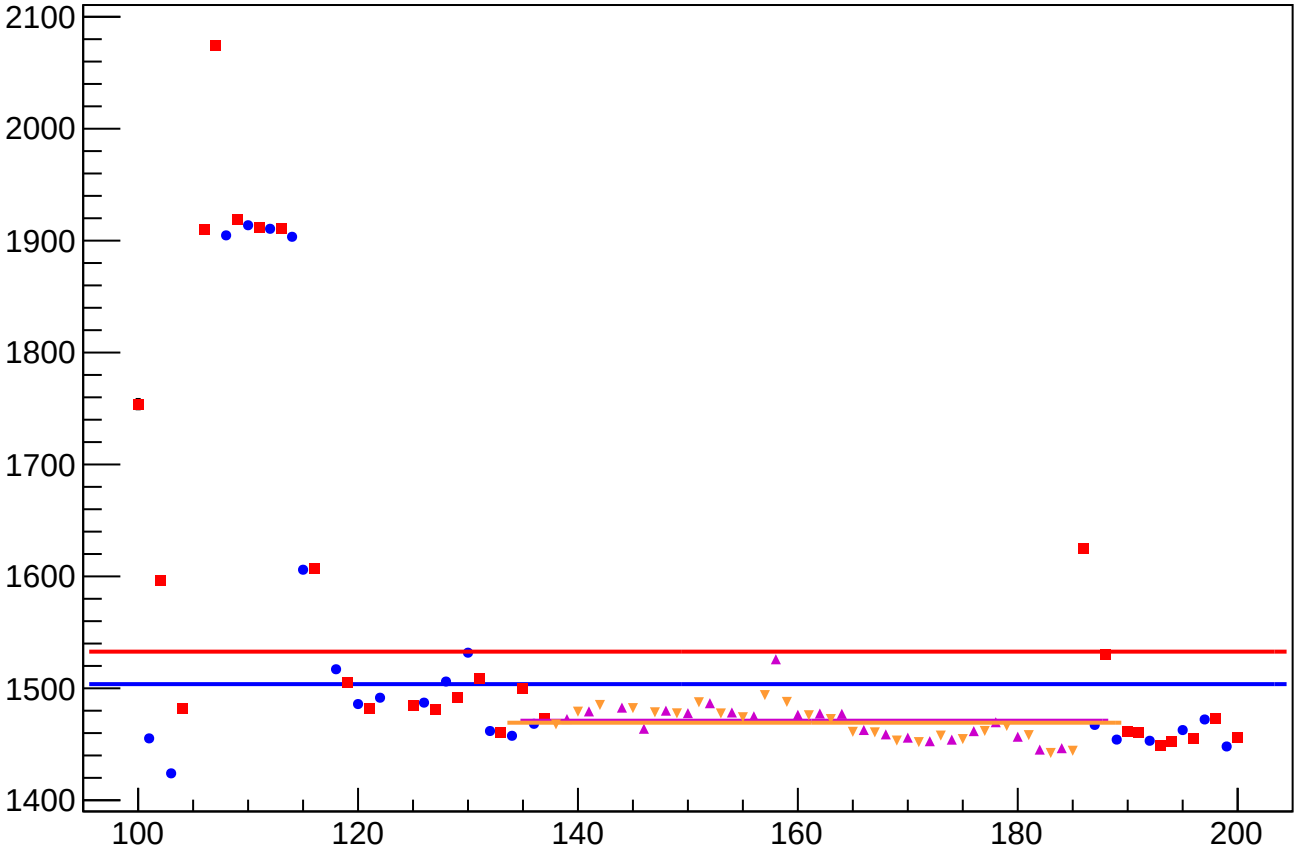
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.656+/-270.406 χ^2/NDF: 36.1/45

All: -138.818+/-189.427 χ^2/NDF: 157.3/95

- sign -1746.607+/-265.443 χ^2/NDF: 46.4/49

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

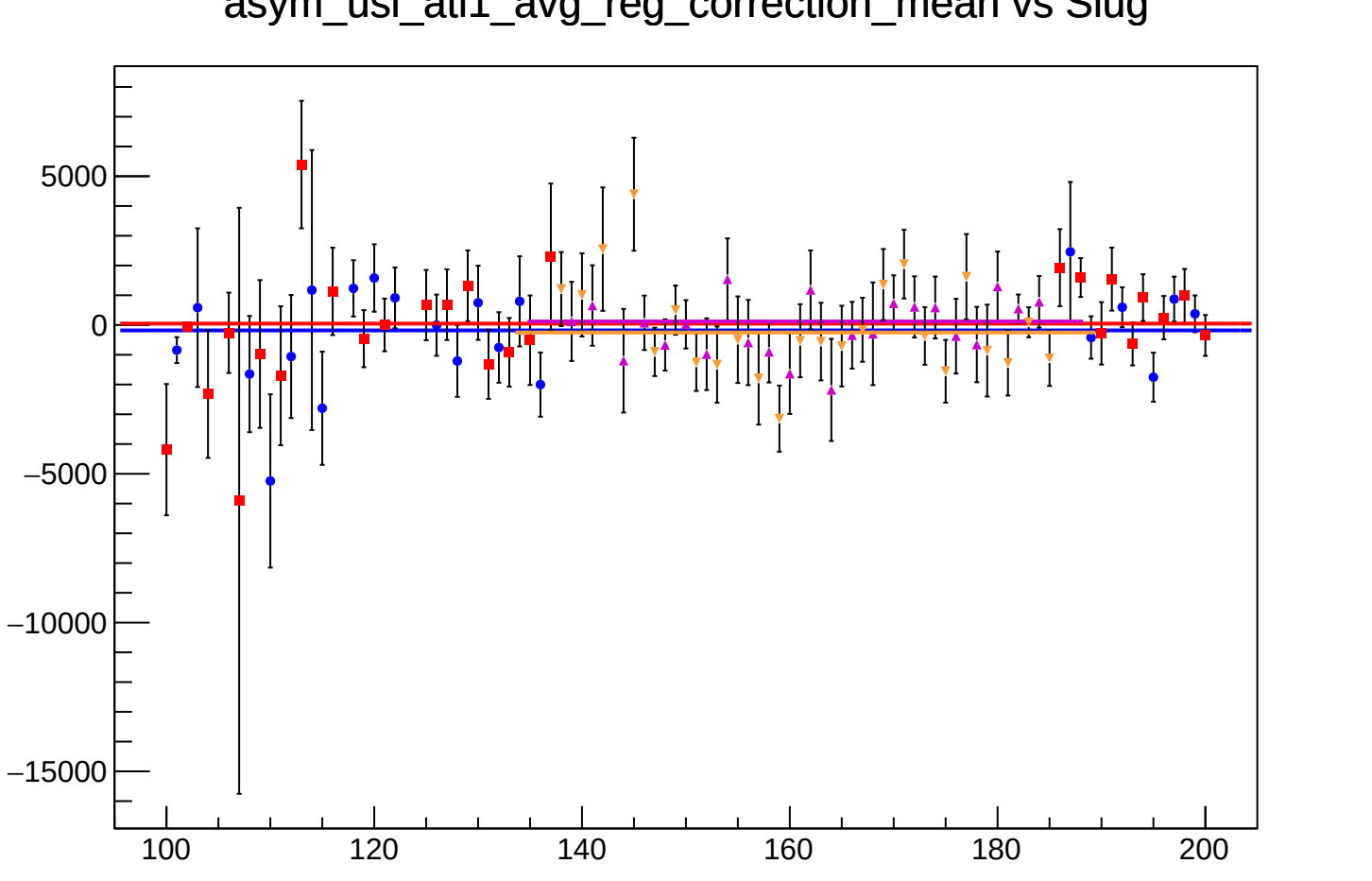
Right Out: 1532.769+/-0.296 χ^2/NDF: 217807.0/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.116+/-0.134 χ^2/NDF: 405265.3/95

- sign 1495.912+/-0.188 χ^2/NDF: 248455.6/49



Right In: -181.186+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 46.975+/-115.590 χ^2/NDF: 31.9/26

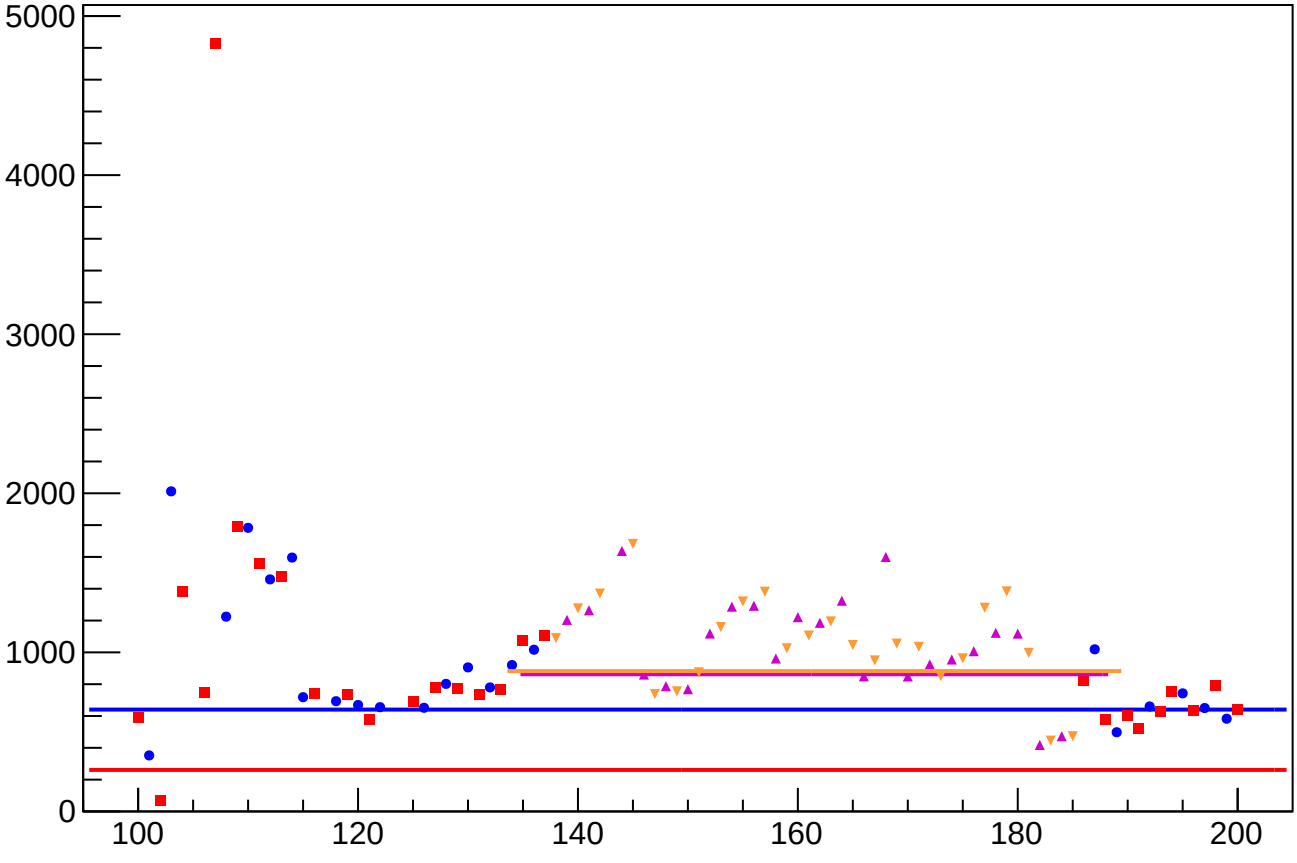
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -214.251+/-149.628 χ^2/NDF: 60.6/45

All: -24.728+/-84.230 χ^2/NDF: 107.8/95

- sign 63.191+/-101.912 χ^2/NDF: 44.8/49

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 640.360+/-0.145 χ^2/NDF: 2947686.1/21

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 261.140+/-0.082 χ^2/NDF: 14989670.4/26

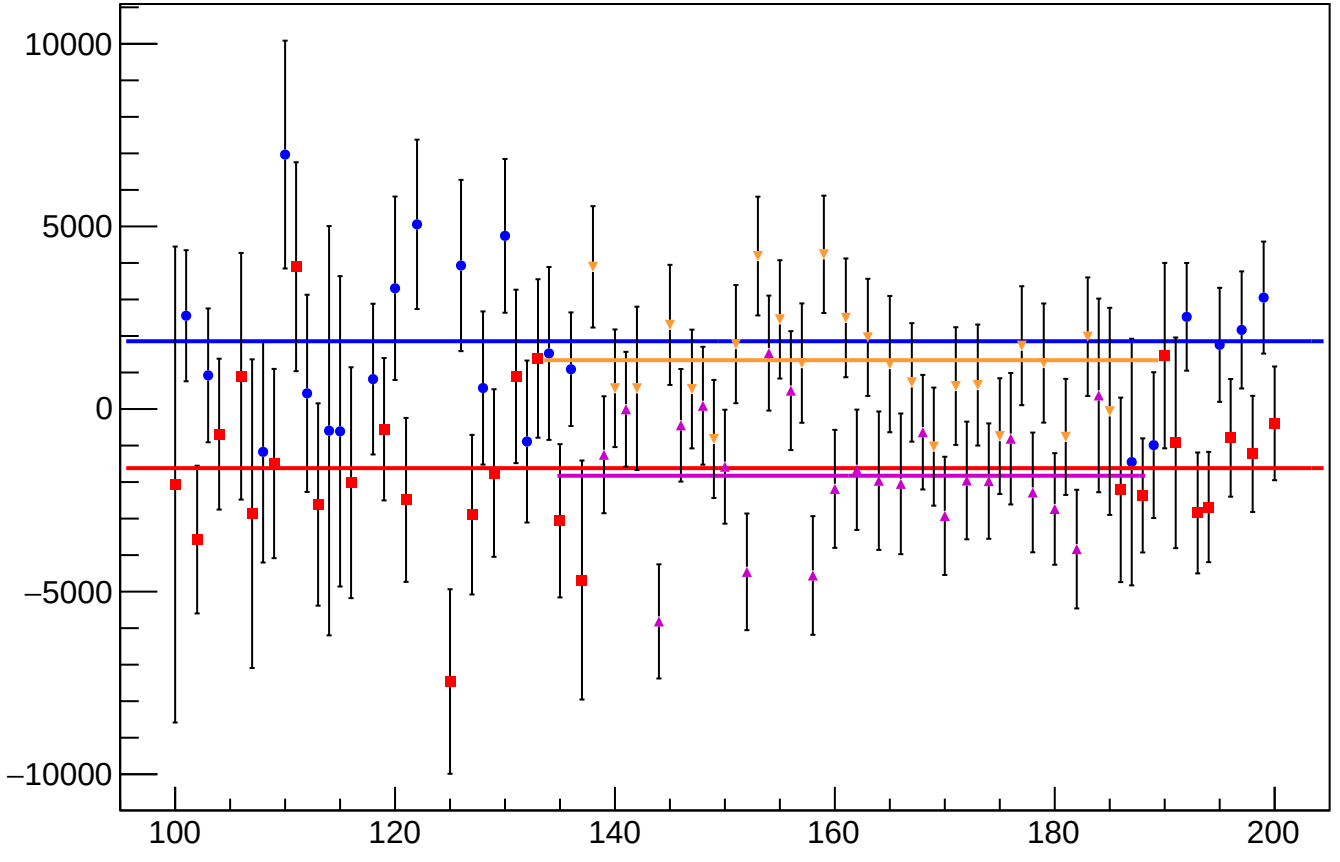
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 754.014+/-0.106 χ^2/NDF: 8152761.9/45

All: 508.764+/-0.060 χ^2/NDF: 47422529.4/95

- sign 394.994+/-0.072 χ^2/NDF: 31404197.8/49

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1618.463+/-418.315 χ^2/NDF: 20.0/26

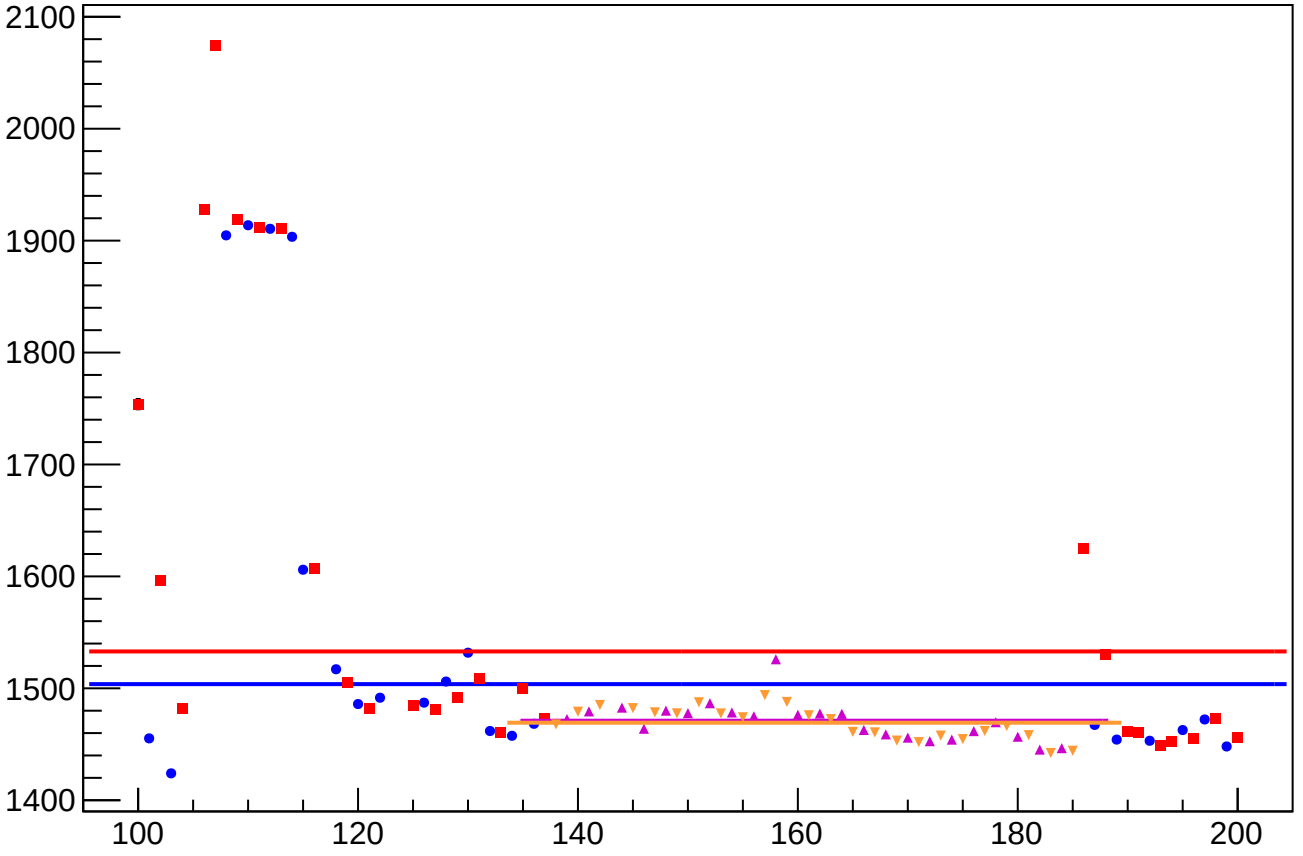
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.696+/-270.406 χ^2/NDF: 36.1/45

All: -136.762+/-189.433 χ^2/NDF: 157.3/95

- sign -1742.808+/-265.460 χ^2/NDF: 46.6/49

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

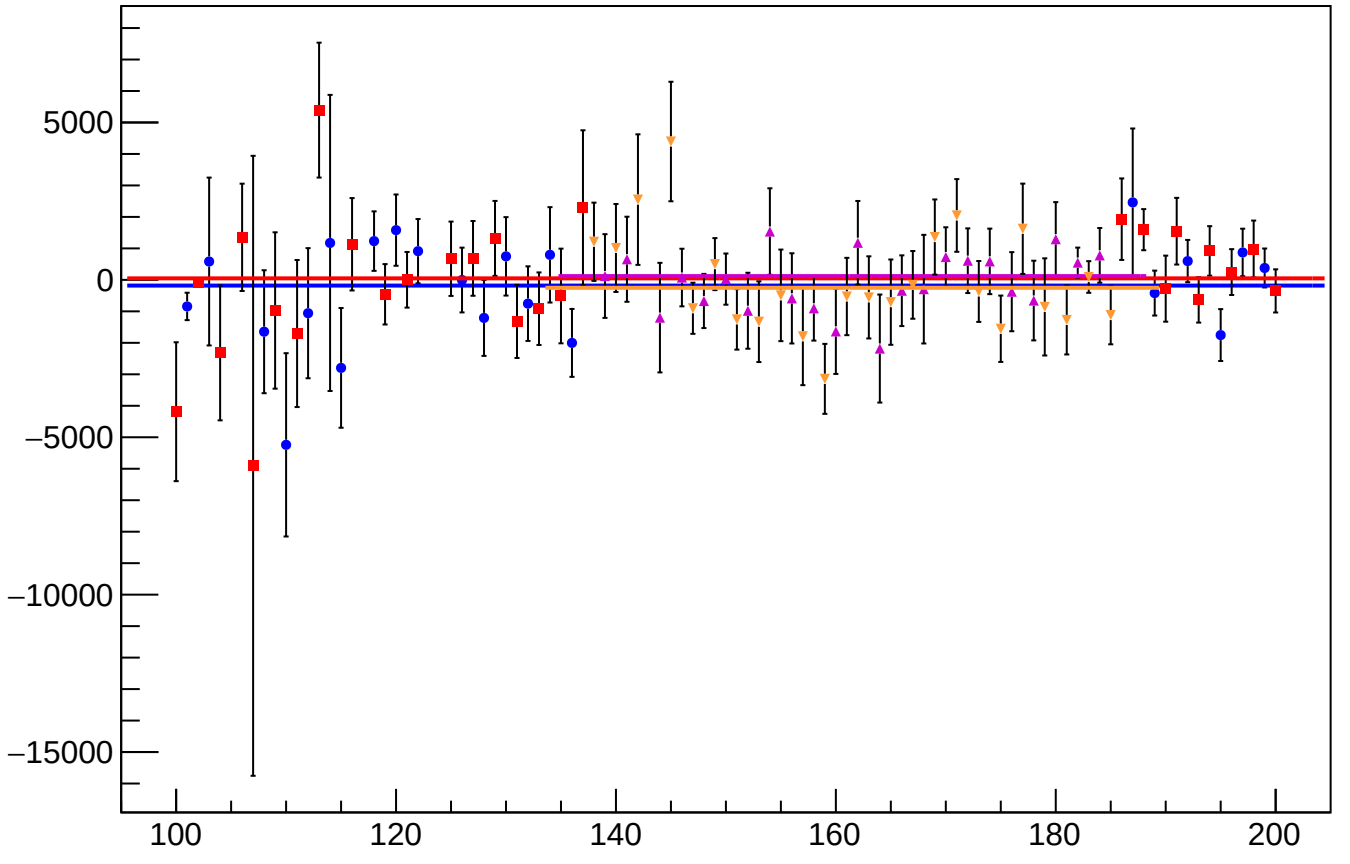
Right Out: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.150+/-0.134 χ^2/NDF: 407445.9/95

- sign 1495.978+/-0.188 χ^2/NDF: 250610.6/49



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 48.131+/-123.158 χ^2/NDF: 32.7/26

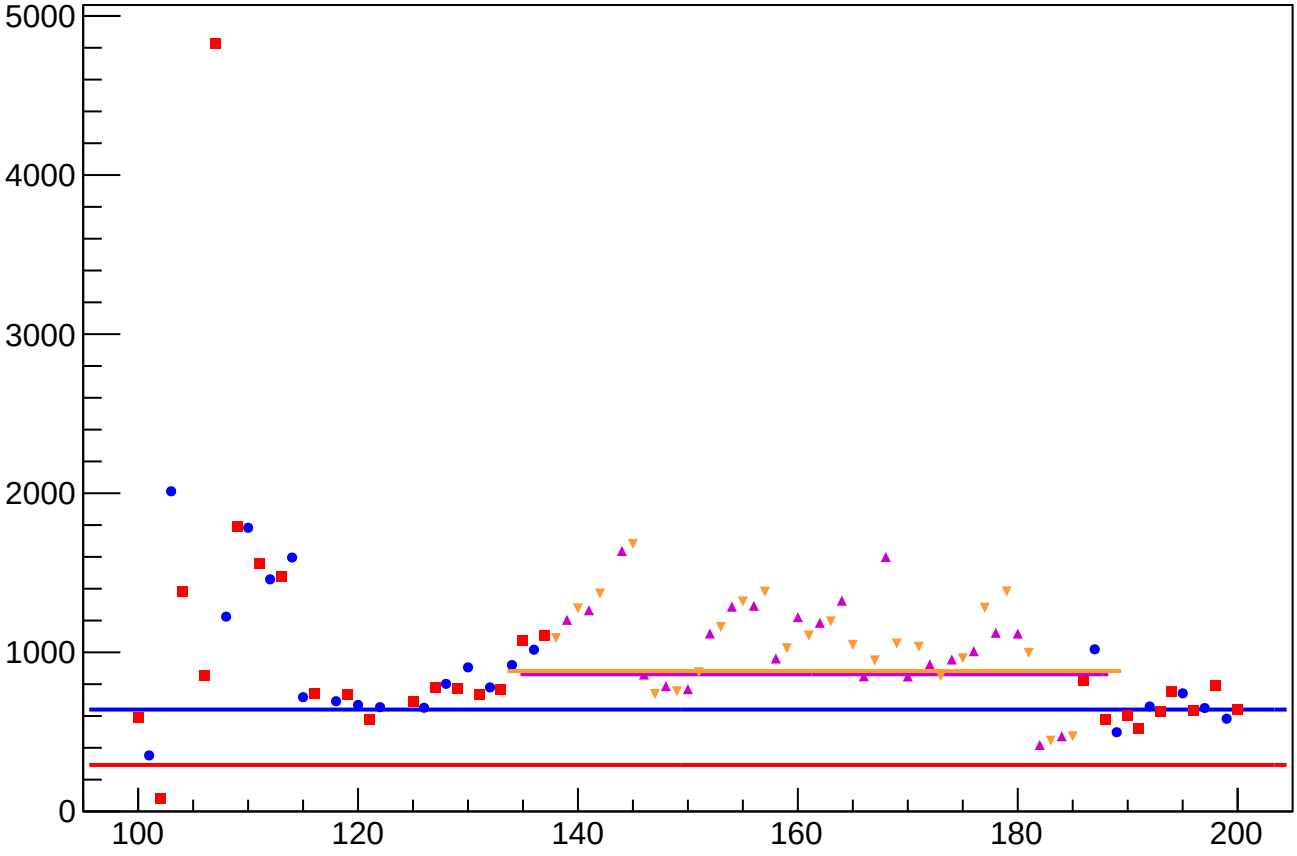
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -214.183+/-149.627 χ^2/NDF: 60.6/45

All: -28.964+/-87.028 χ^2/NDF: 108.6/95

- sign 65.728+/-106.986 χ^2/NDF: 45.6/49

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

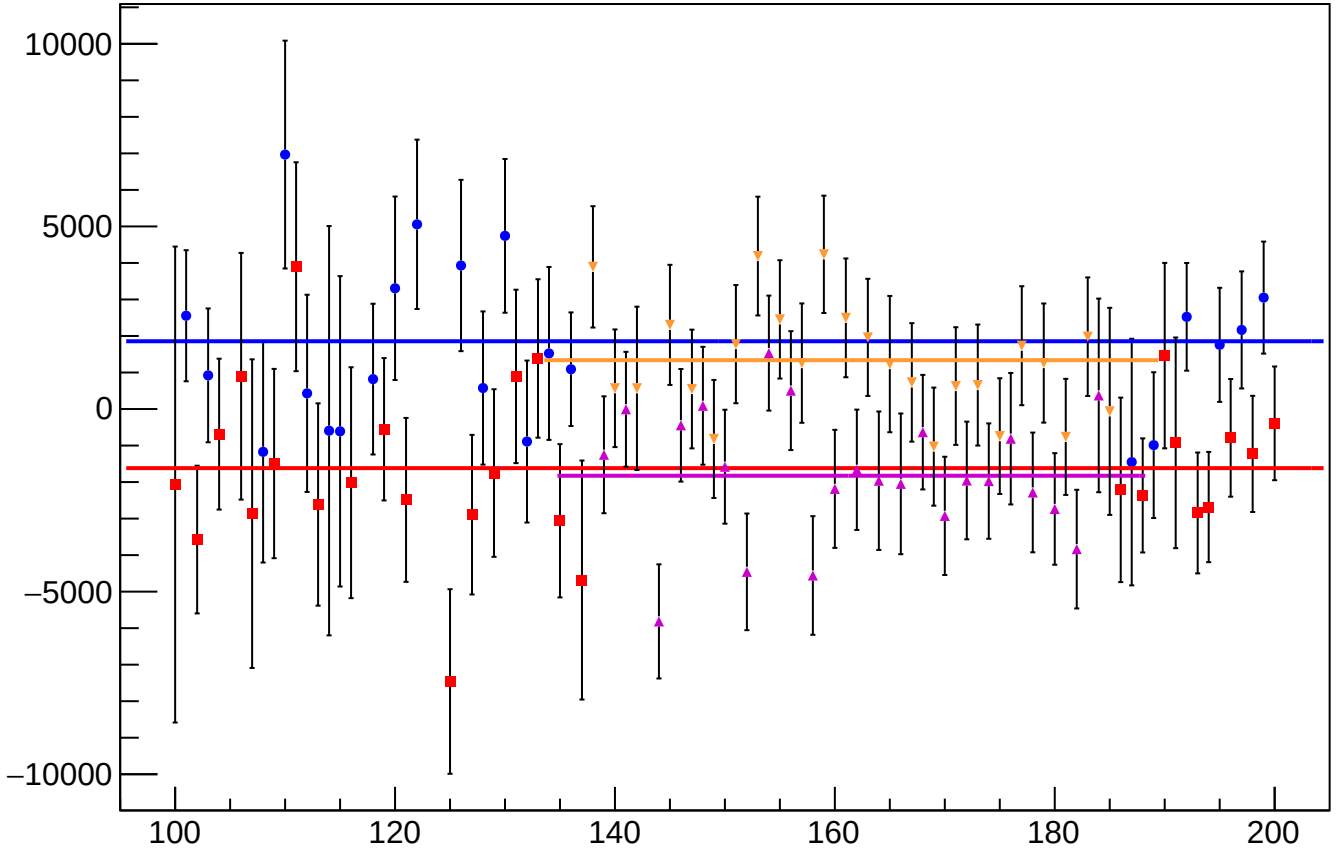
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 754.008+/-0.106 χ^2/NDF: 8153062.5/45

All: 541.012+/-0.062 χ^2/NDF: 43035842.5/95

- sign 432.119+/-0.076 χ^2/NDF: 28758054.1/49

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1618.463+/-418.315 χ^2/NDF: 20.0/26

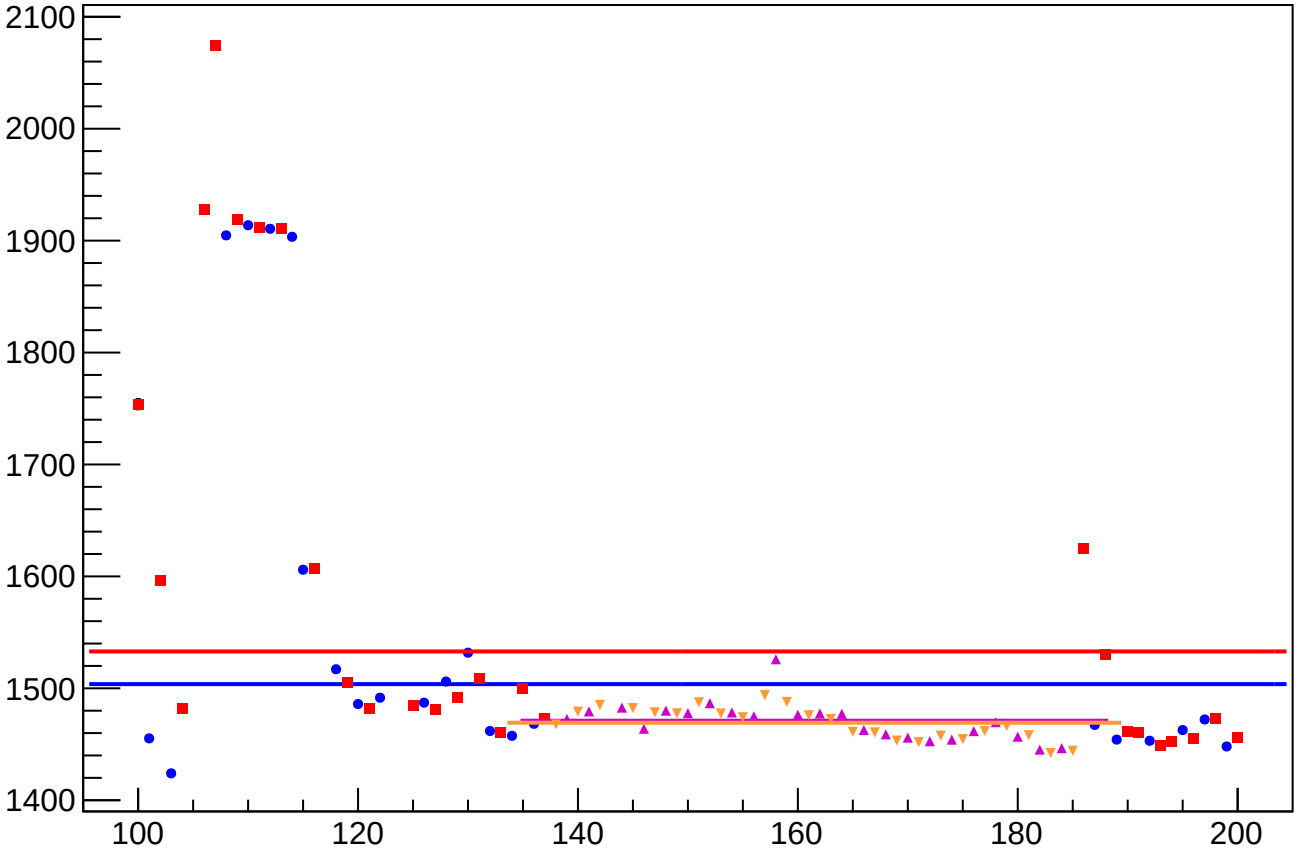
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.696+/-270.406 χ^2/NDF: 36.1/45

All: -136.762+/-189.433 χ^2/NDF: 157.3/95

- sign -1742.808+/-265.460 χ^2/NDF: 46.6/49

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

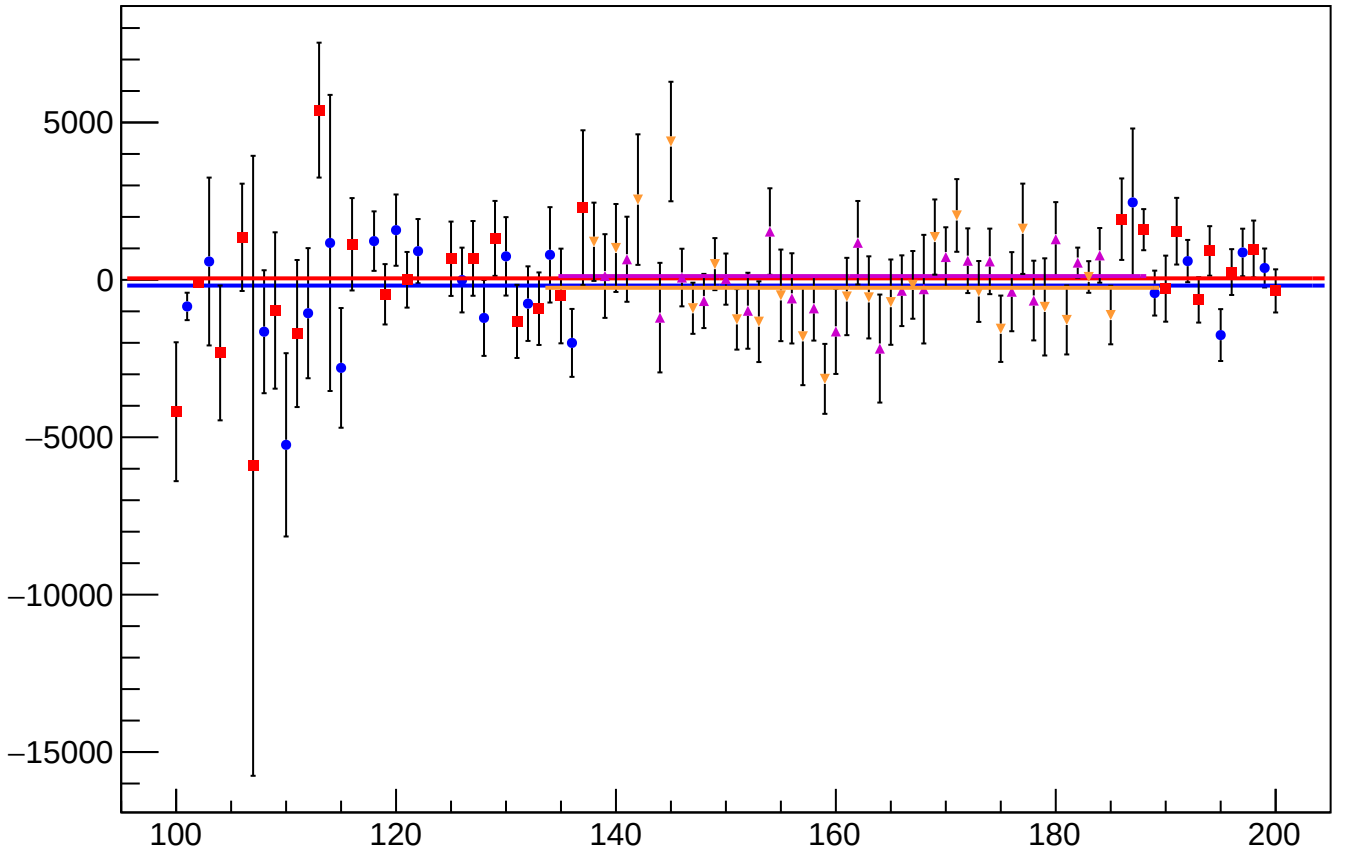
Right Out: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.150+/-0.134 χ^2/NDF: 407445.9/95

- sign 1495.978+/-0.188 χ^2/NDF: 250610.6/49



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 48.131+/-123.158 χ^2/NDF: 32.7/26

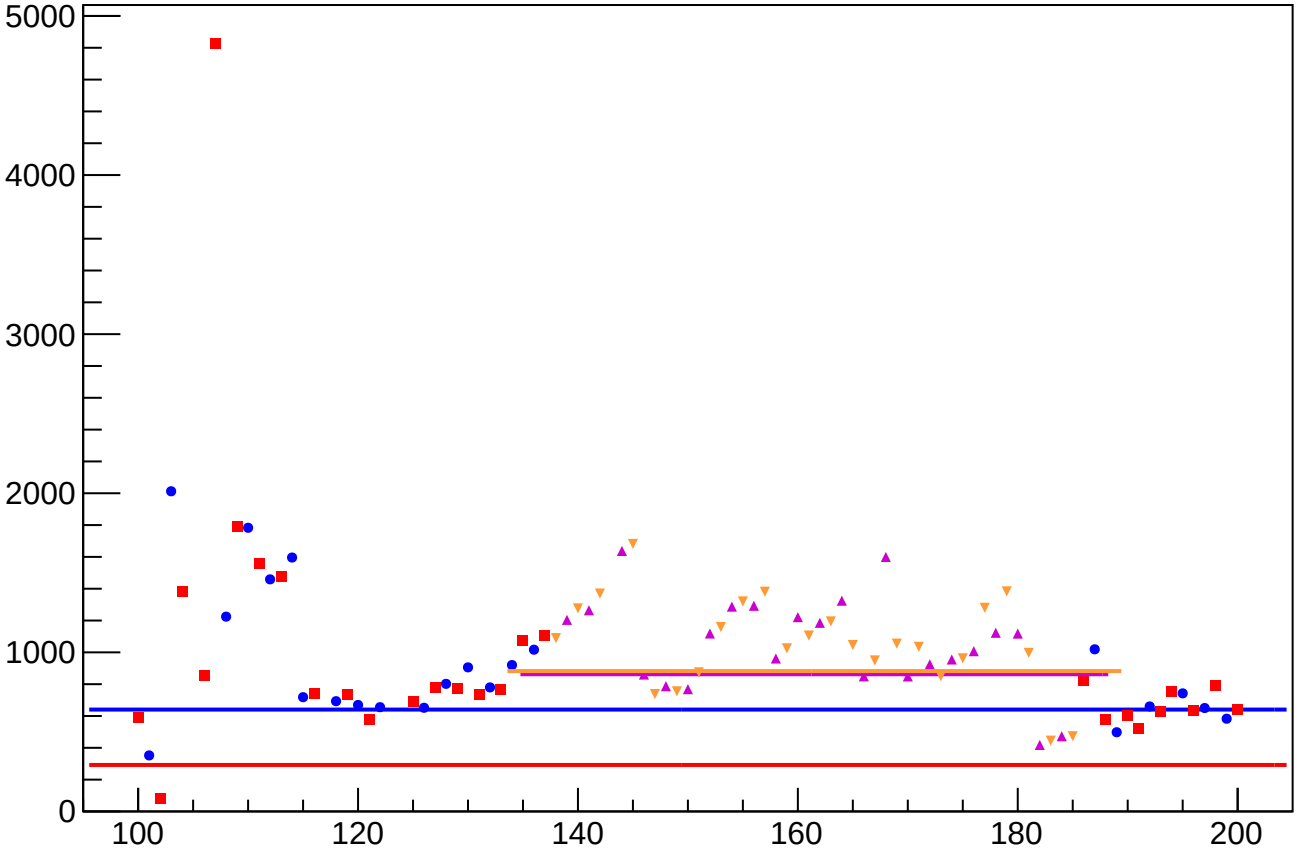
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -214.183+/-149.627 χ^2/NDF: 60.6/45

All: -28.964+/-87.028 χ^2/NDF: 108.6/95

- sign 65.728+/-106.986 χ^2/NDF: 45.6/49

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

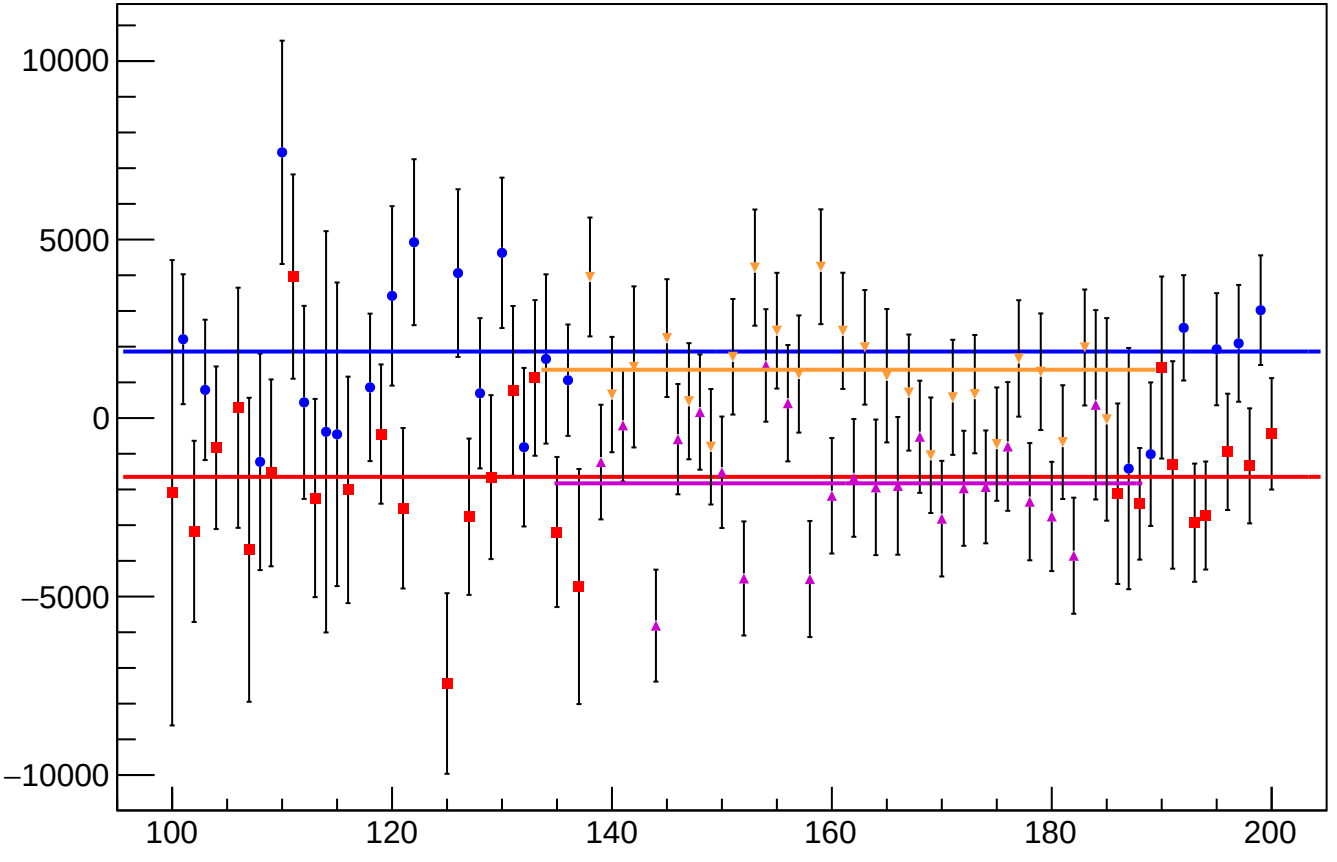
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 754.008+/-0.106 χ^2/NDF: 8153062.5/45

All: 541.012+/-0.062 χ^2/NDF: 43035842.5/95

- sign 432.119+/-0.076 χ^2/NDF: 28758054.1/49

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1863.762+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1647.364+/-424.655 χ^2/NDF: 18.7/26

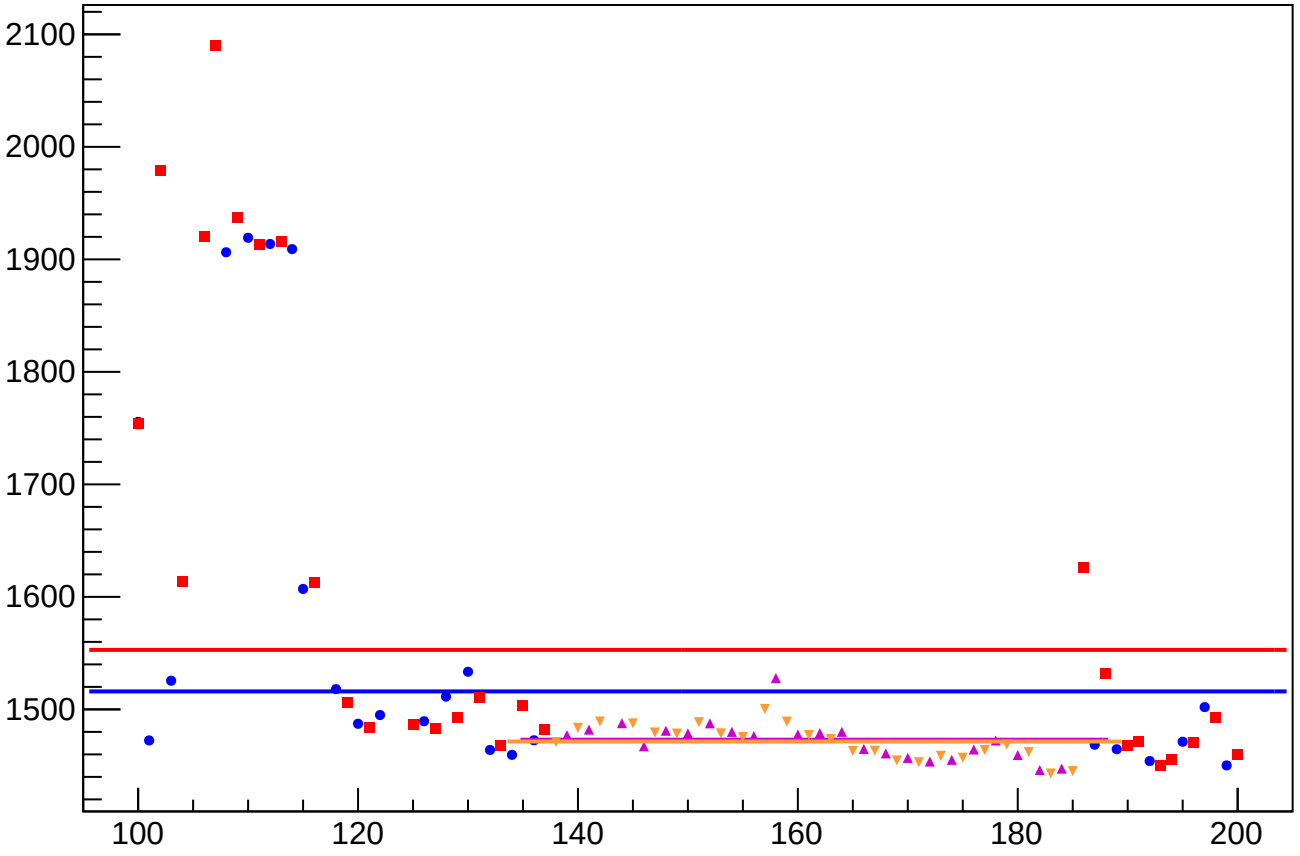
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1541.471+/-271.510 χ^2/NDF: 35.8/45

All: -133.460+/-190.473 χ^2/NDF: 155.4/95

- sign -1756.593+/-267.279 χ^2/NDF: 44.6/49

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1515.973+/-0.316 χ^2/NDF: 136774.1/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

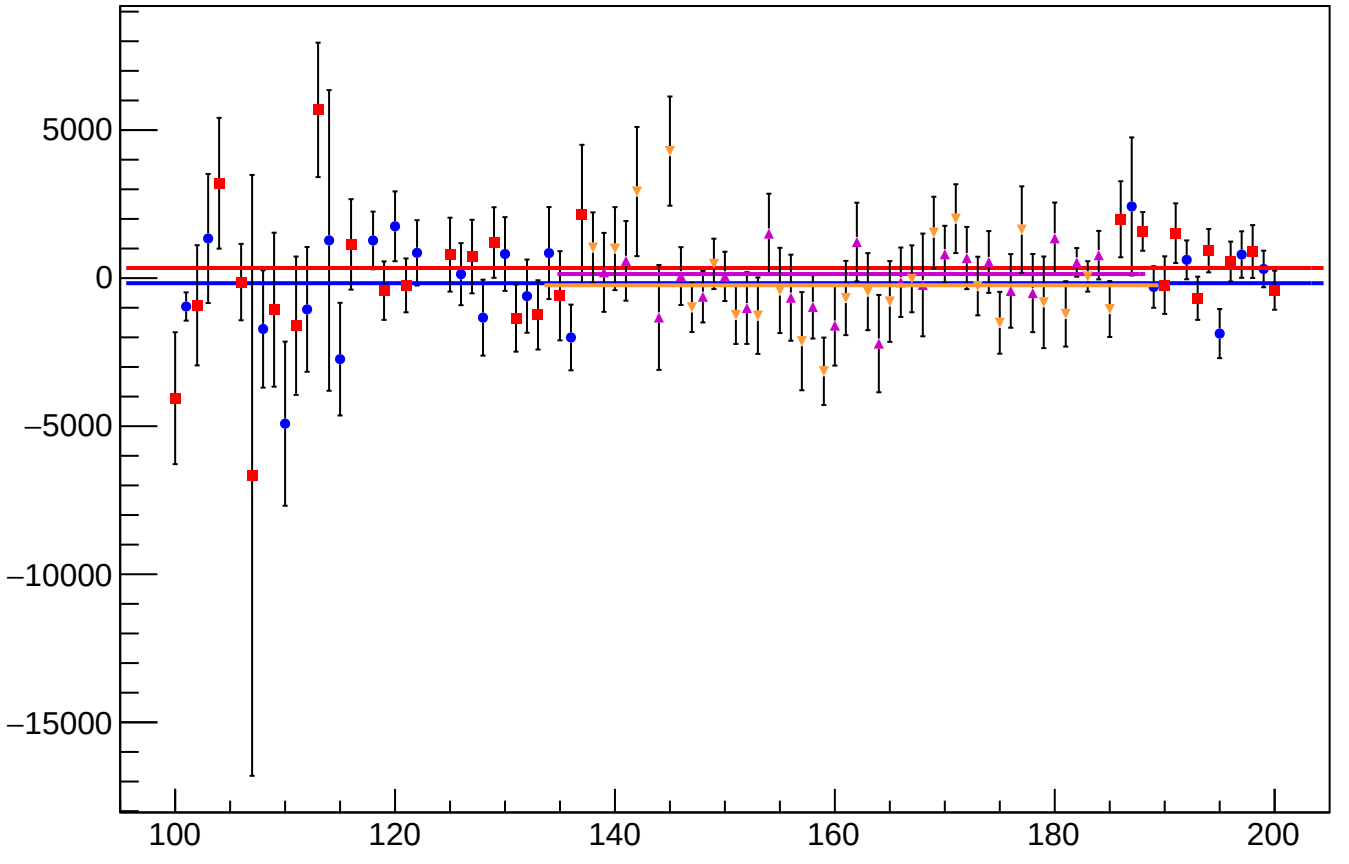
Right Out: 1552.896+/-0.300 χ^2/NDF: 275563.9/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1487.833+/-0.192 χ^2/NDF: 152728.4/45

All: 1496.389+/-0.135 χ^2/NDF: 479652.5/95

- sign 1504.680+/-0.189 χ^2/NDF: 323013.5/49



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 342.938+/-208.282 χ^2/NDF: 31.5/26

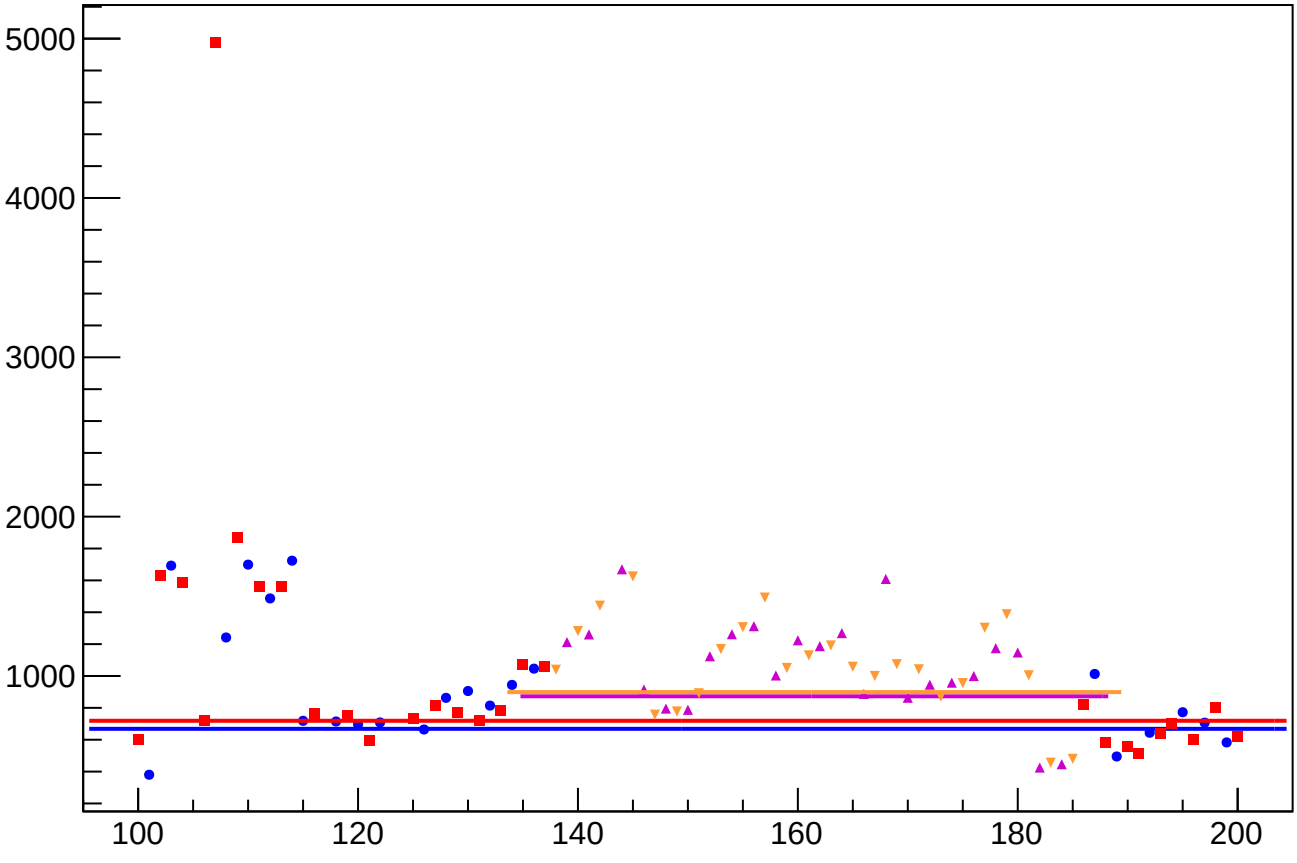
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -203.968+/-152.948 χ^2/NDF: 60.9/45

All: 24.046+/-107.366 χ^2/NDF: 110.2/95

- sign 245.563+/-150.753 χ^2/NDF: 44.9/49

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 668.380+/-0.149 χ^2/NDF: 2699646.3/21

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 718.926+/-0.147 χ^2/NDF: 2601936.4/26

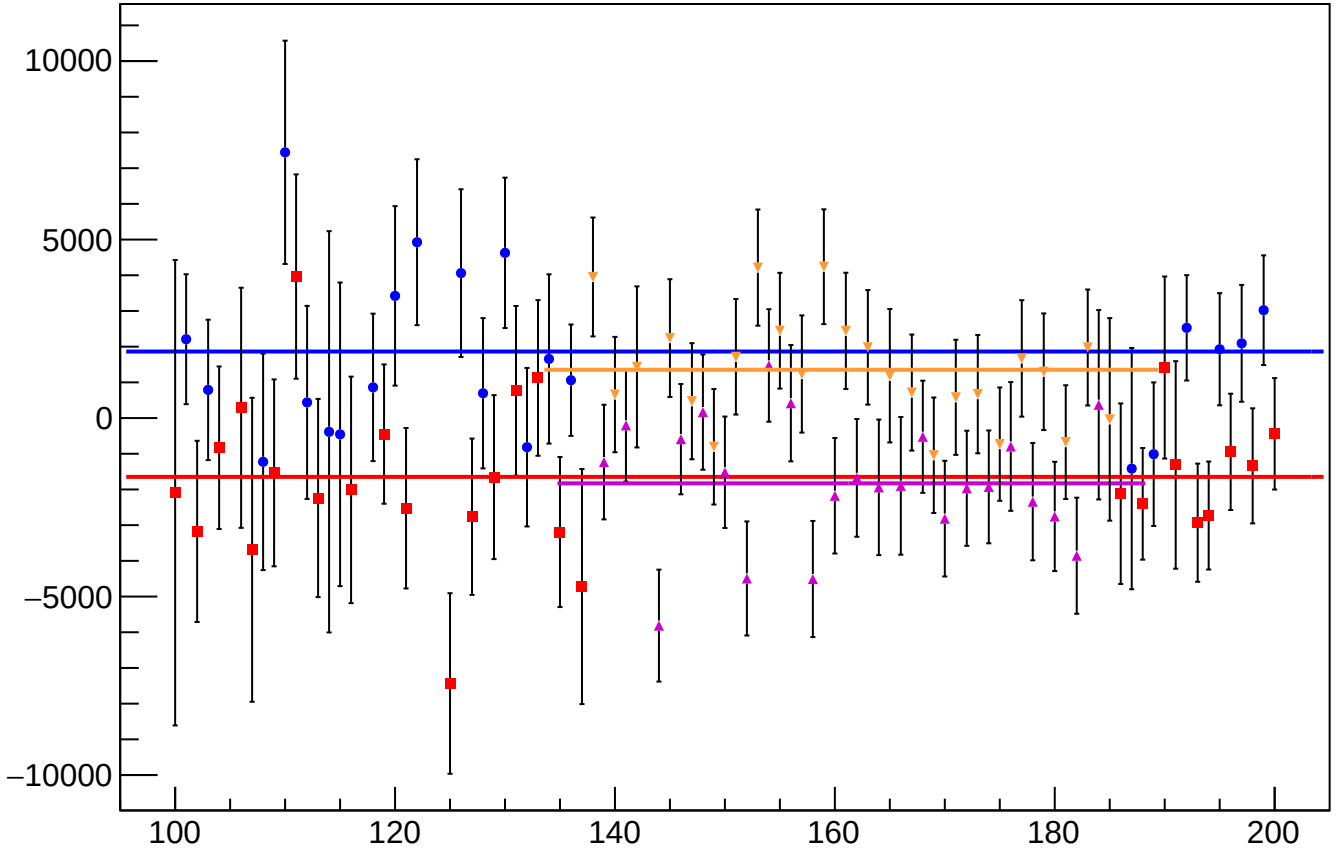
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 777.984+/-0.108 χ^2/NDF: 7623754.2/45

All: 785.110+/-0.076 χ^2/NDF: 15187278.7/95

- sign 792.033+/-0.107 χ^2/NDF: 7554965.4/49

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1863.761+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1647.363+/-424.655 χ^2/NDF: 18.7/26

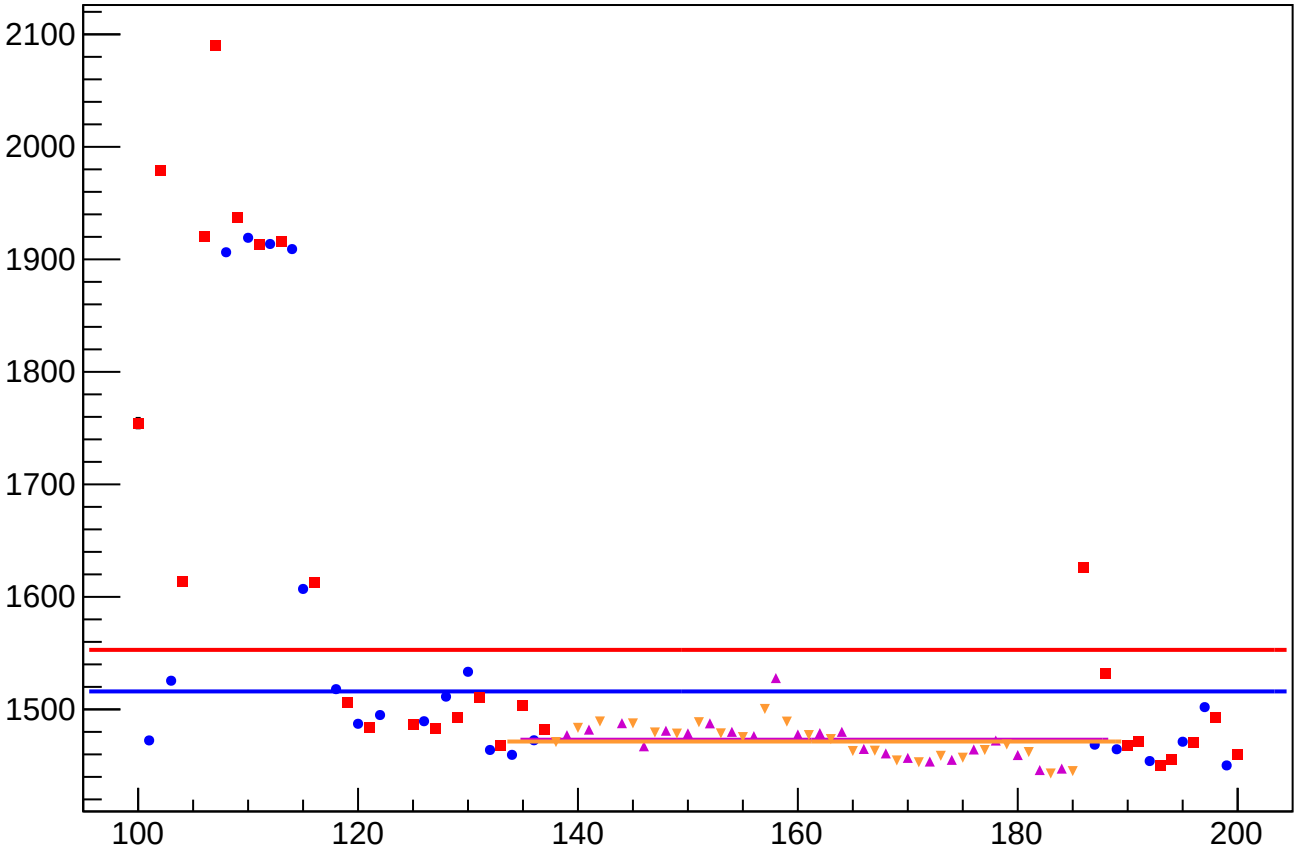
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1541.470+/-271.510 χ^2/NDF: 35.8/45

All: -133.461+/-190.473 χ^2/NDF: 155.4/95

- sign -1756.592+/-267.279 χ^2/NDF: 44.6/49

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1515.972+/-0.316 χ^2/NDF: 136774.0/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

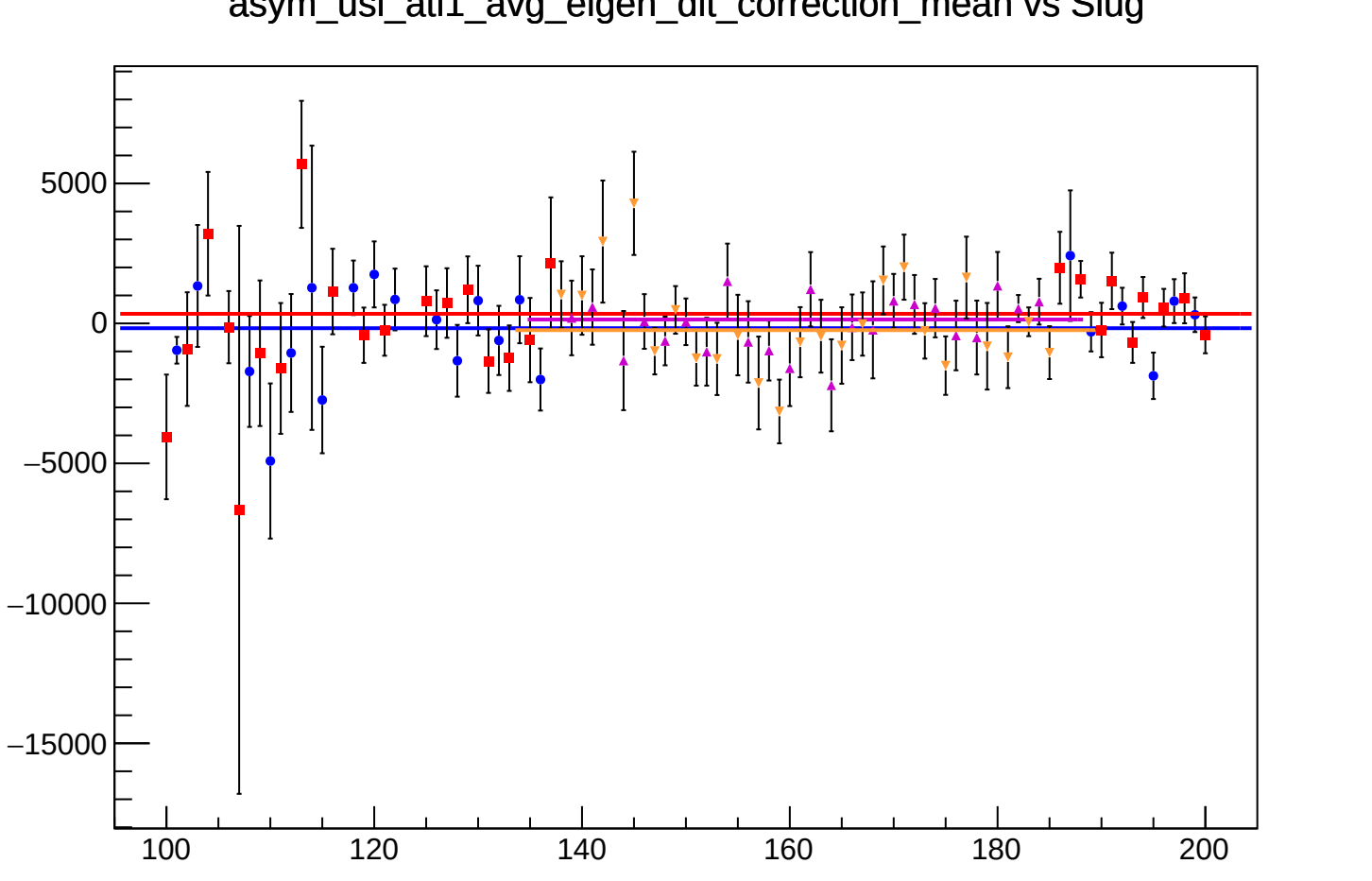
Right Out: 1552.896+/-0.300 χ^2/NDF: 275563.5/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1487.833+/-0.192 χ^2/NDF: 152728.3/45

All: 1496.389+/-0.135 χ^2/NDF: 479651.9/95

- sign 1504.680+/-0.189 χ^2/NDF: 323012.9/49



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 342.938+/-208.282 χ^2/NDF: 31.5/26

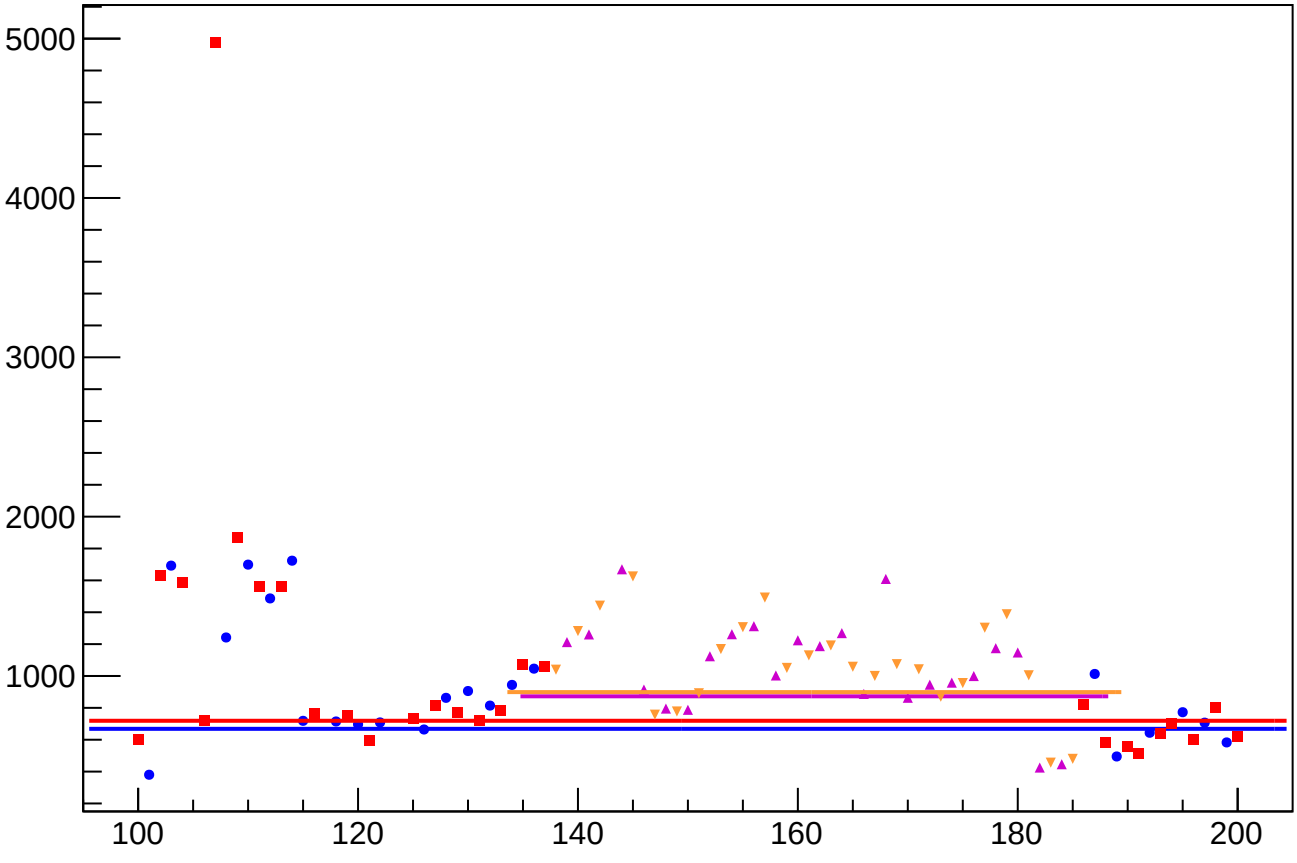
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -203.968+/-152.948 χ^2/NDF: 60.9/45

All: 24.046+/-107.366 χ^2/NDF: 110.2/95

- sign 245.563+/-150.753 χ^2/NDF: 44.9/49

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 668.380+/-0.149 χ^2/NDF: 2699638.9/21

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 718.926+/-0.147 χ^2/NDF: 2601937.8/26

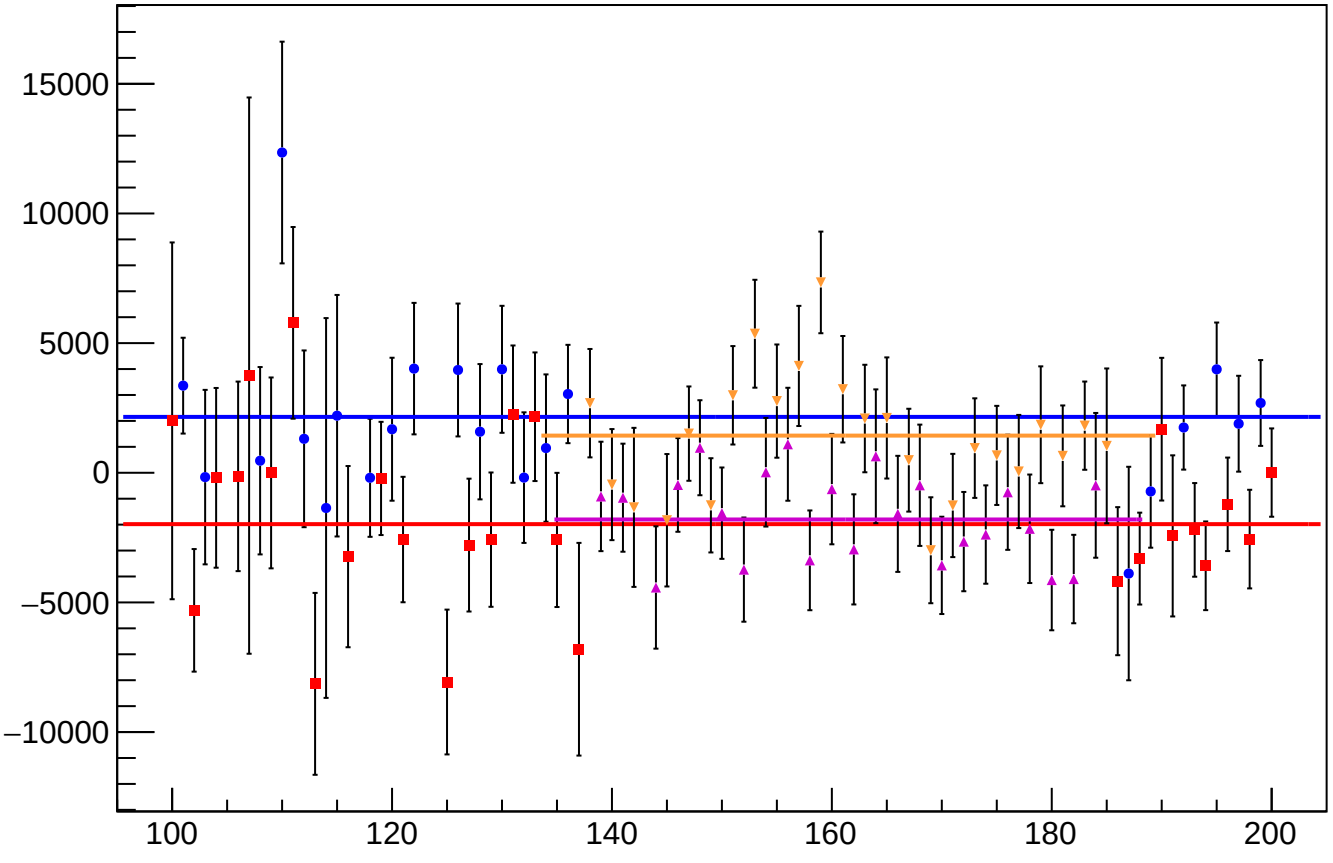
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 777.984+/-0.108 χ^2/NDF: 7623761.1/45

All: 785.110+/-0.076 χ^2/NDF: 15187301.3/95

- sign 792.033+/-0.107 χ^2/NDF: 7554981.4/49

asym_usl_atl1_avg_mean vs Slug



Right In: 2154.675+/-514.010 χ^2/NDF: 16.2/21

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1981.087+/-484.715 χ^2/NDF: 28.9/26

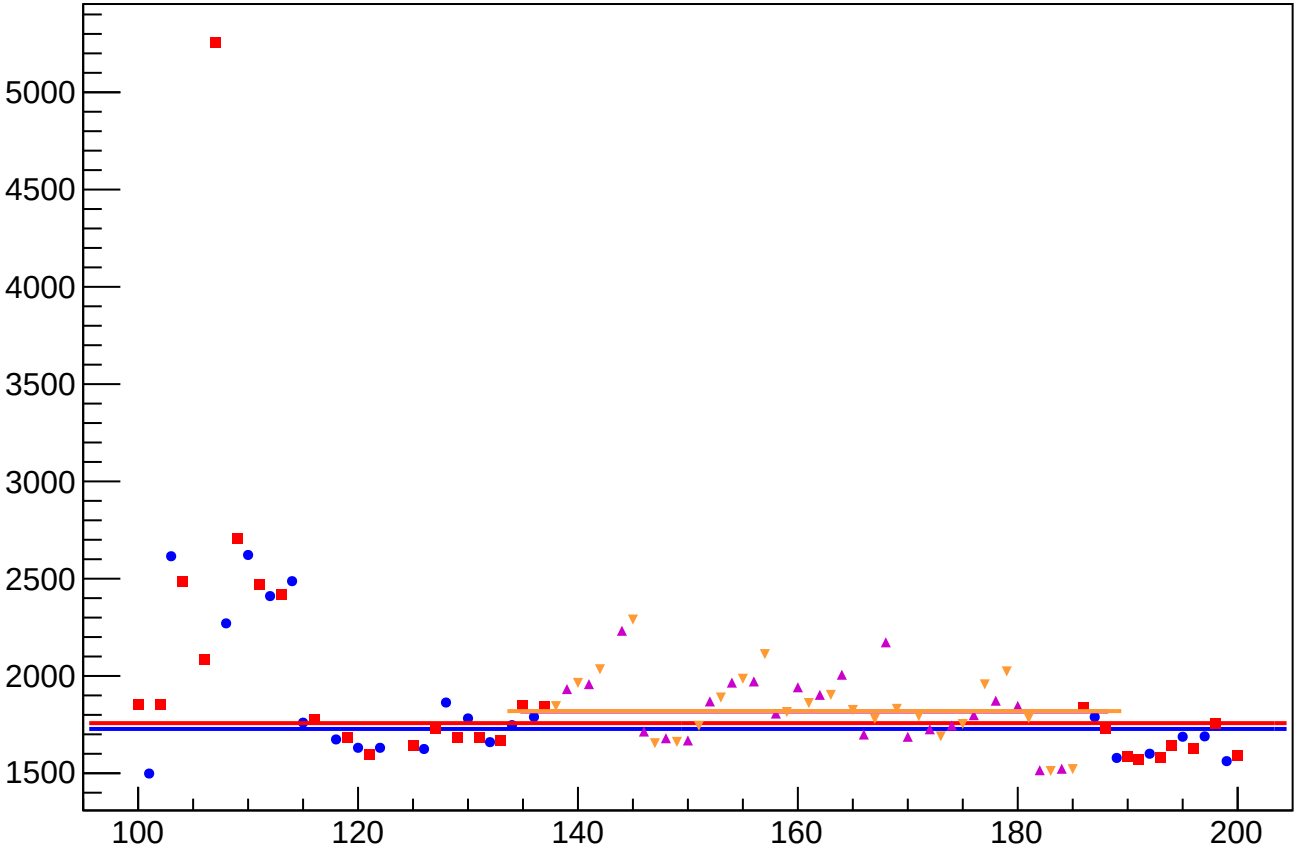
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1725.787+/-327.294 χ^2/NDF: 46.8/45

All: -116.615+/-228.878 χ^2/NDF: 153.1/95

- sign -1879.887+/-320.188 χ^2/NDF: 44.3/49

asym_usl_atl1_avg_rms vs Slug



Right In: 1727.684+/-0.363 χ^2/NDF: 468357.4/21

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1757.507+/-0.343 χ^2/NDF: 698727.8/26

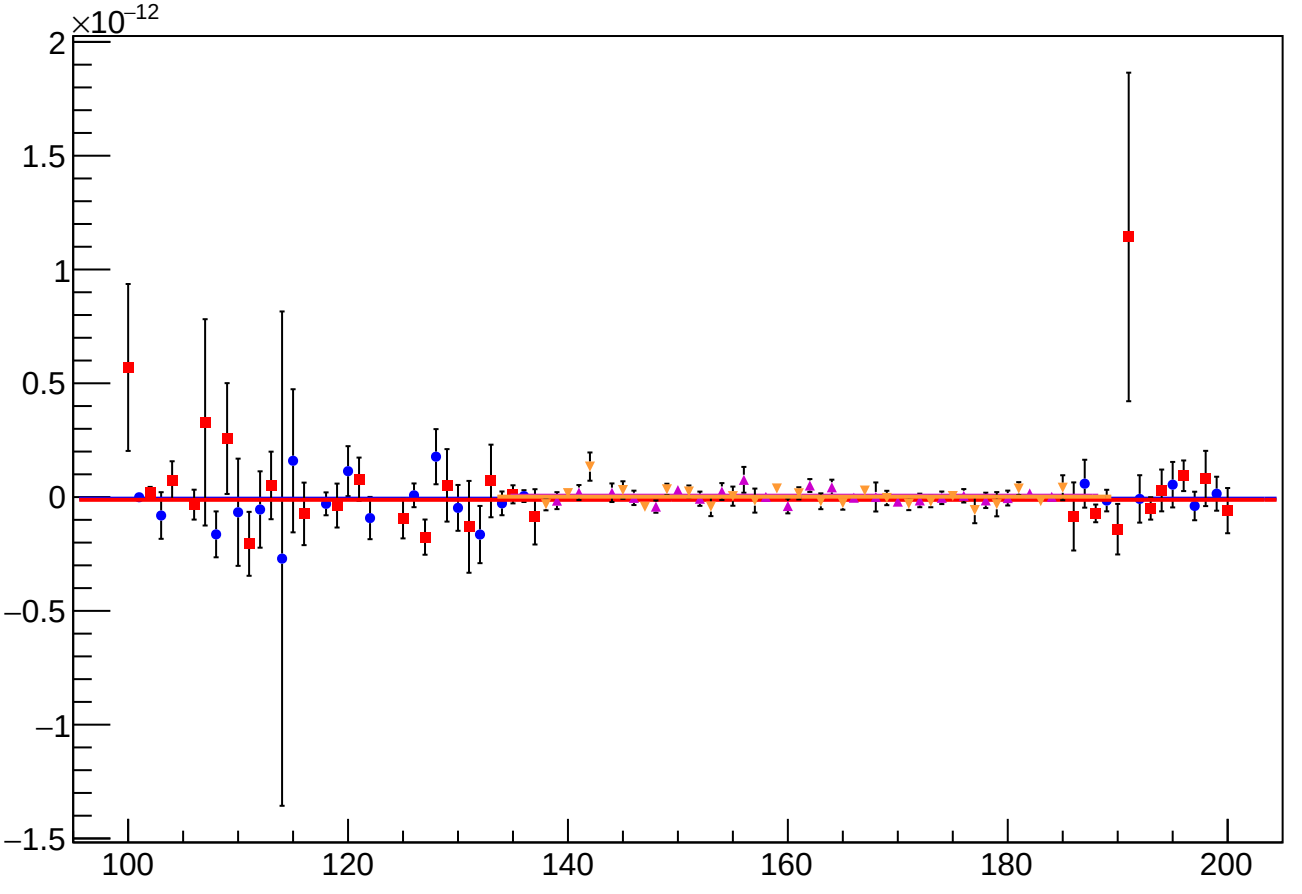
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1782.224+/-0.231 χ^2/NDF: 801245.7/45

All: 1786.770+/-0.162 χ^2/NDF: 1824894.5/95

- sign 1791.120+/-0.226 χ^2/NDF: 1022893.8/49

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/26

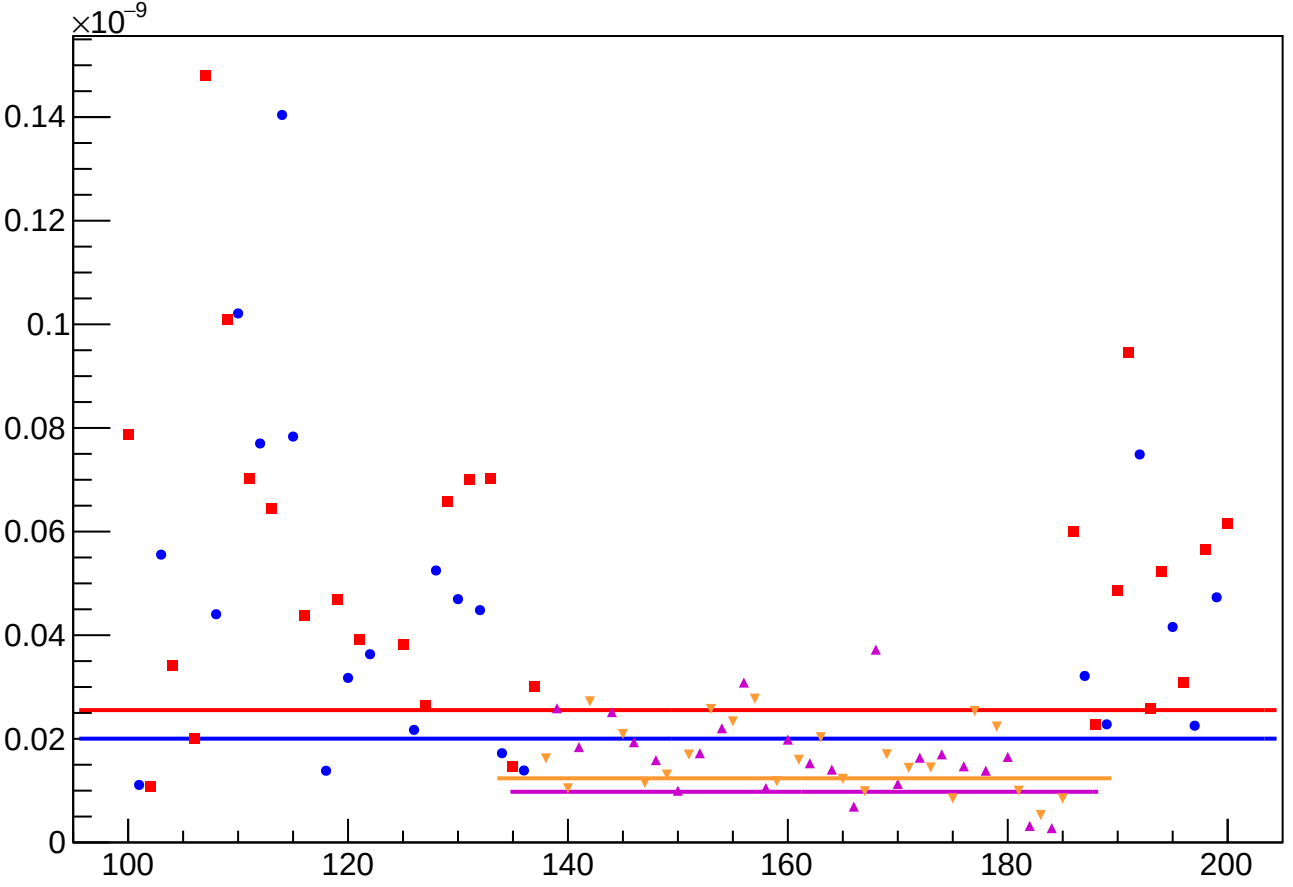
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/45

All: 0.000+/-0.000 χ^2/NDF: 88.6/95

- sign 0.000+/-0.000 χ^2/NDF: 47.1/49

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2869418.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2981049.0/26

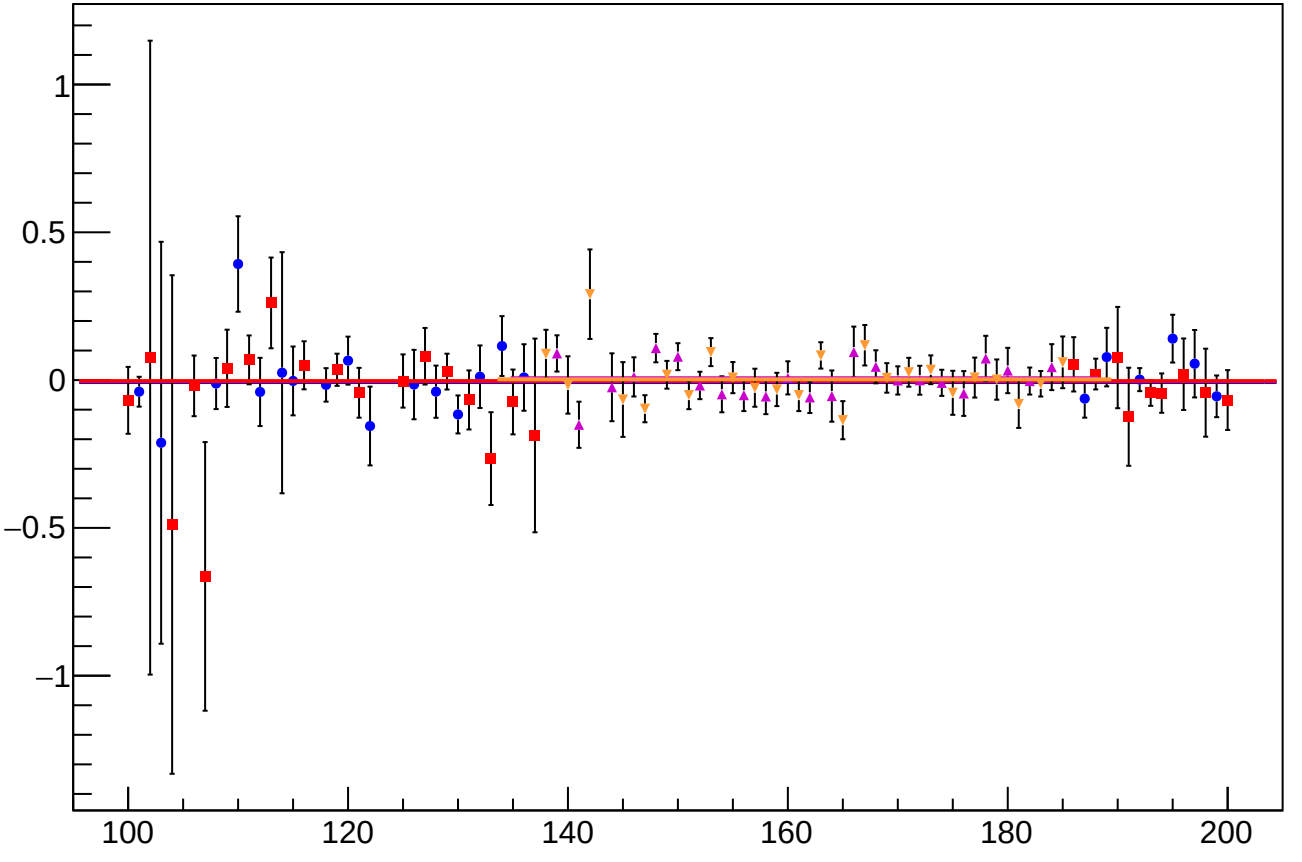
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5450199.2/45

All: 0.000+/-0.000 χ^2/NDF: 15464837.5/95

- sign 0.000+/-0.000 χ^2/NDF: 9769671.5/49

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.017 χ^2/NDF: 15.8/26

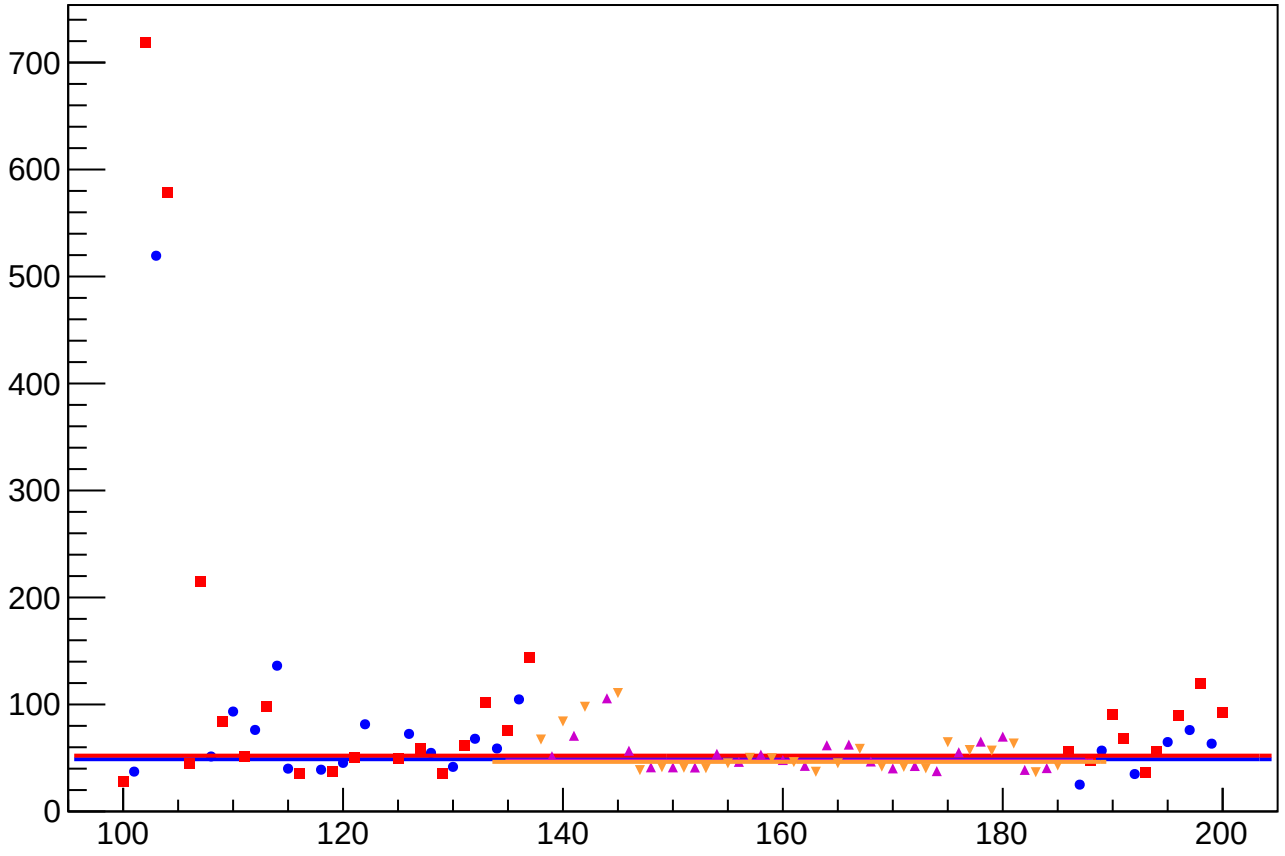
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.001+/-0.007 χ^2/NDF: 86.7/95

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

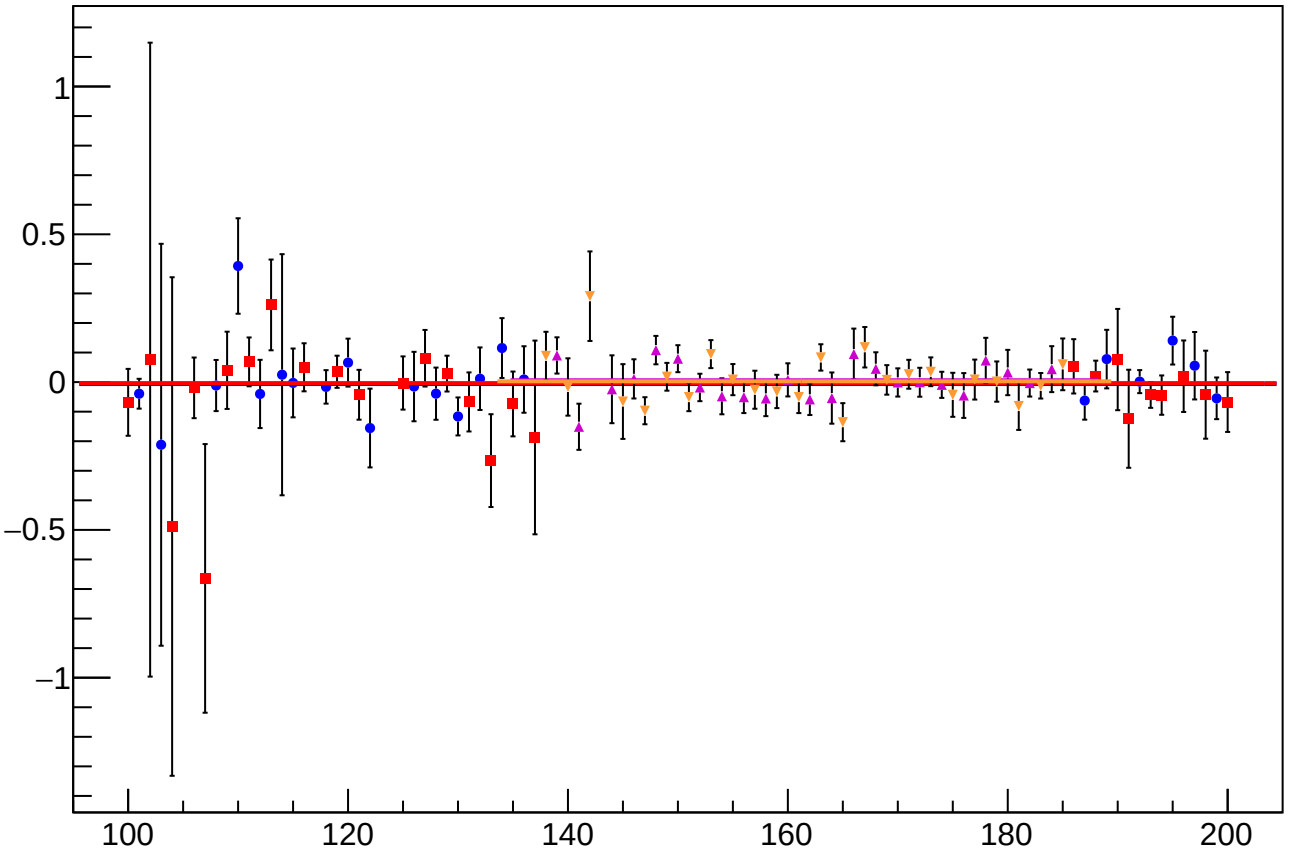
Right Out: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123447.5/45

All: 48.100+/-0.005 χ^2/NDF: 11214257.8/95

- sign 49.078+/-0.007 χ^2/NDF: 6052748.4/49



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.017 χ^2/NDF: 15.8/26

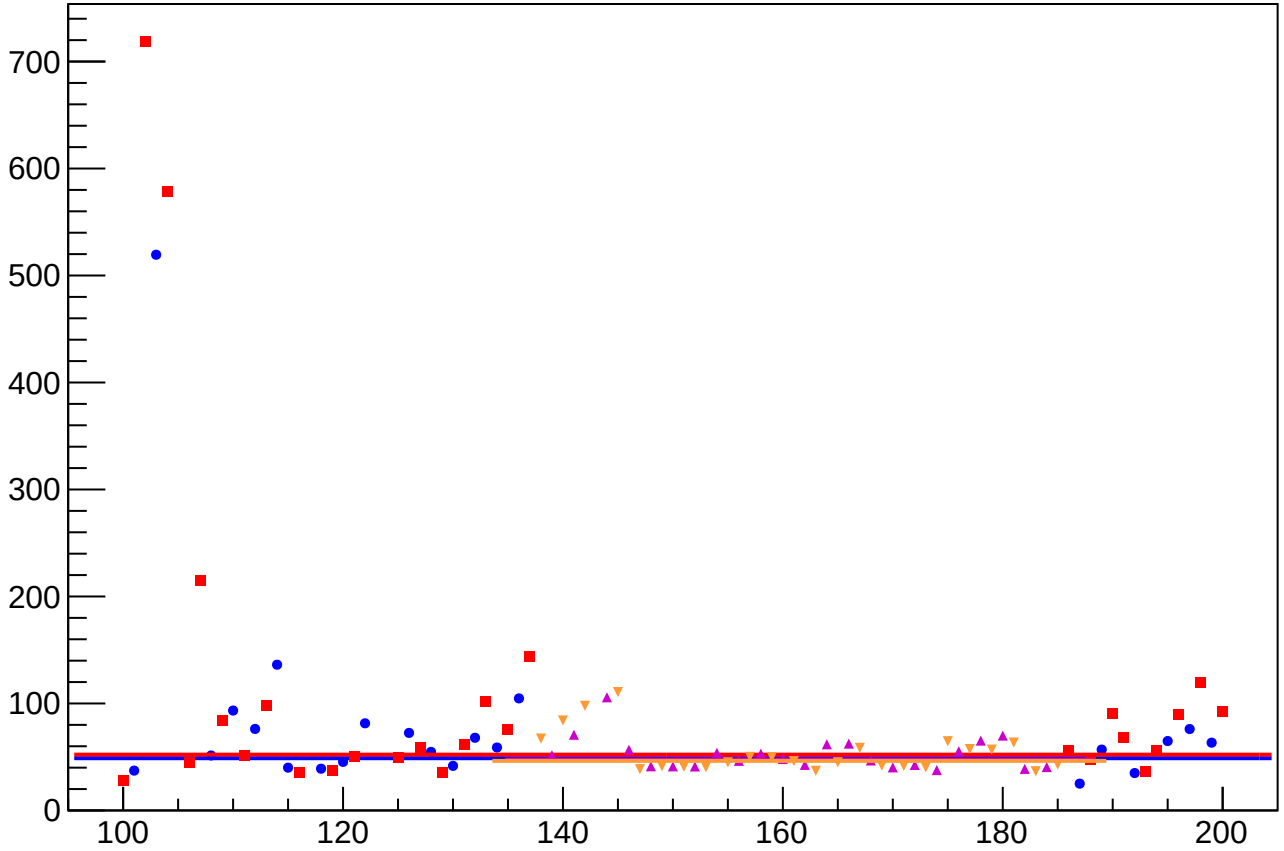
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.001+/-0.007 χ^2/NDF: 86.7/95

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

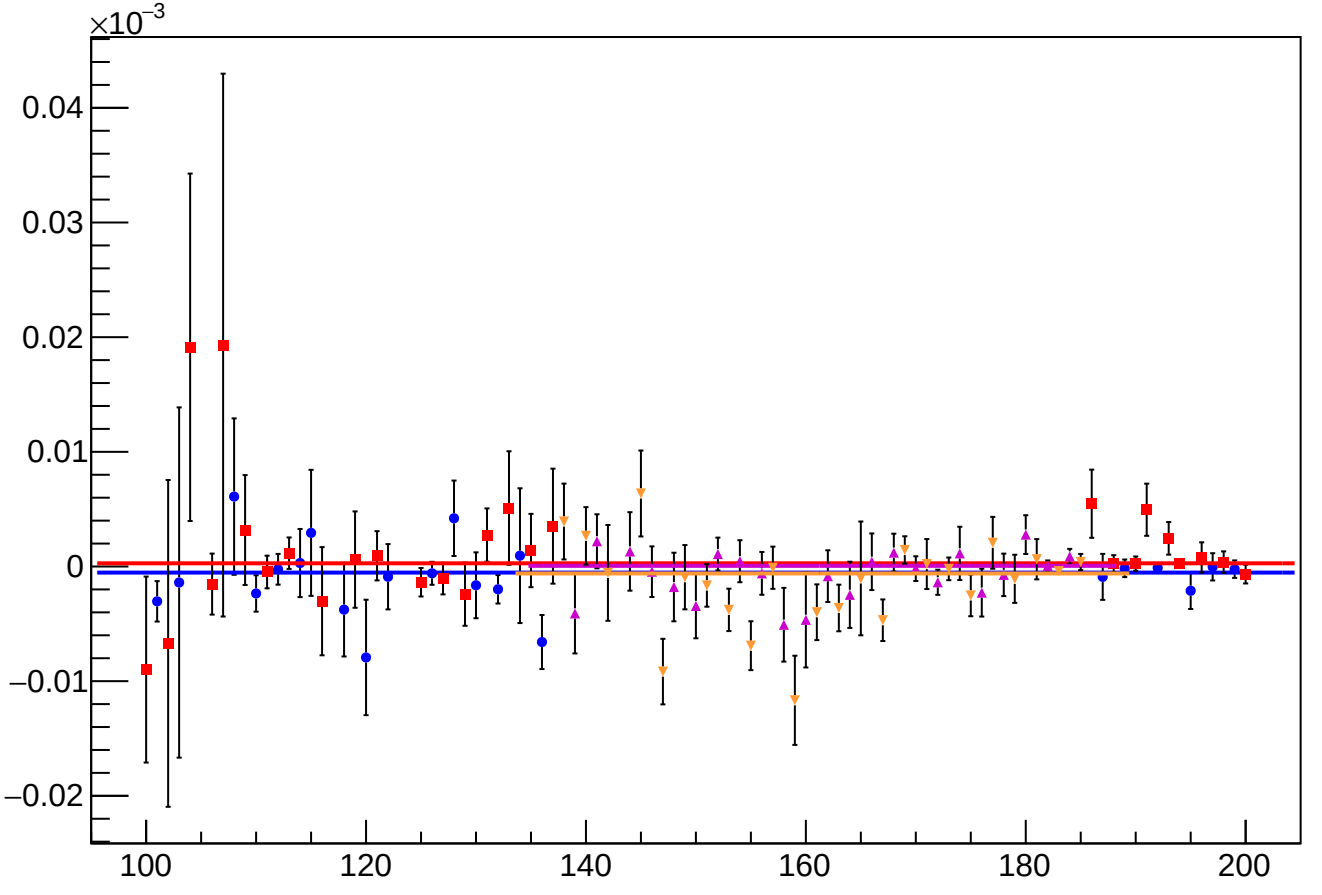
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123447.5/45

All: 48.100+/-0.005 χ^2/NDF: 11214257.8/95

- sign 49.078+/-0.007 χ^2/NDF: 6052748.4/49

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

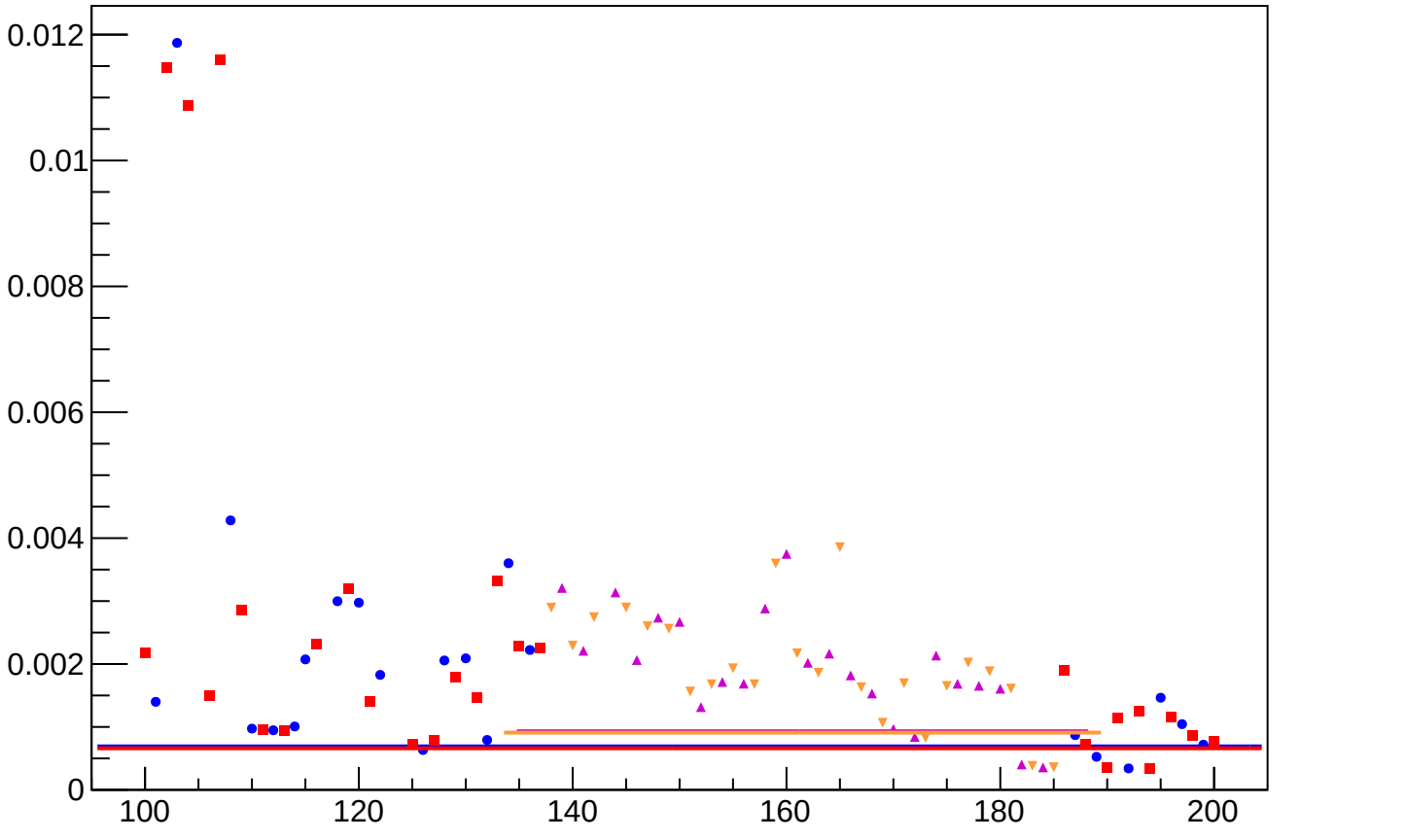
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/26

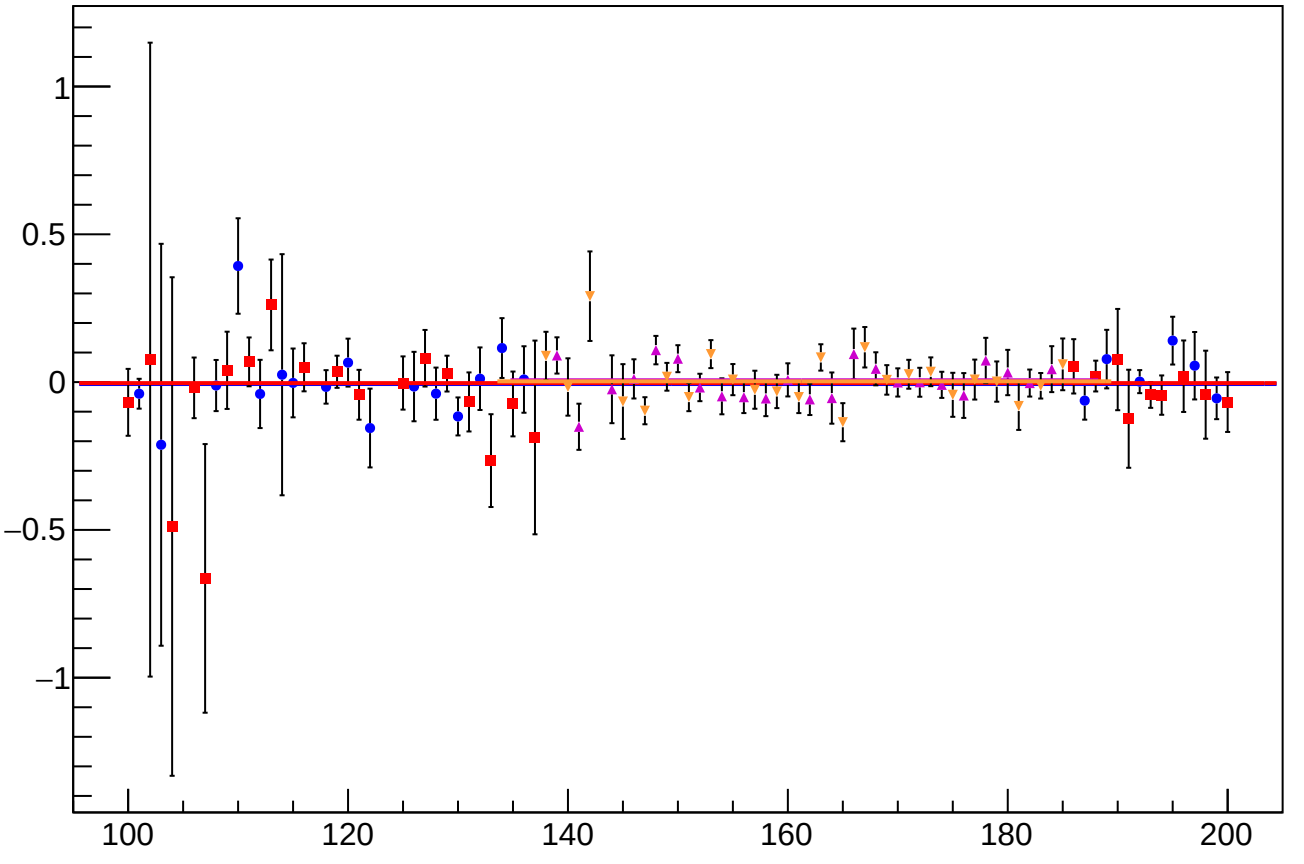
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.5/45

All: -0.000+/-0.000 χ^2/NDF: 124.4/95

- sign 0.000+/-0.000 χ^2/NDF: 41.5/49


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 7997990.4/21
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 9625163.9/26
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 22791868.4/45
All: 0.001+/-0.000 χ²/NDF: 47216806.4/95
- sign 0.001+/-0.000 χ²/NDF: 24407411.7/49



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.017 χ^2/NDF: 15.8/26

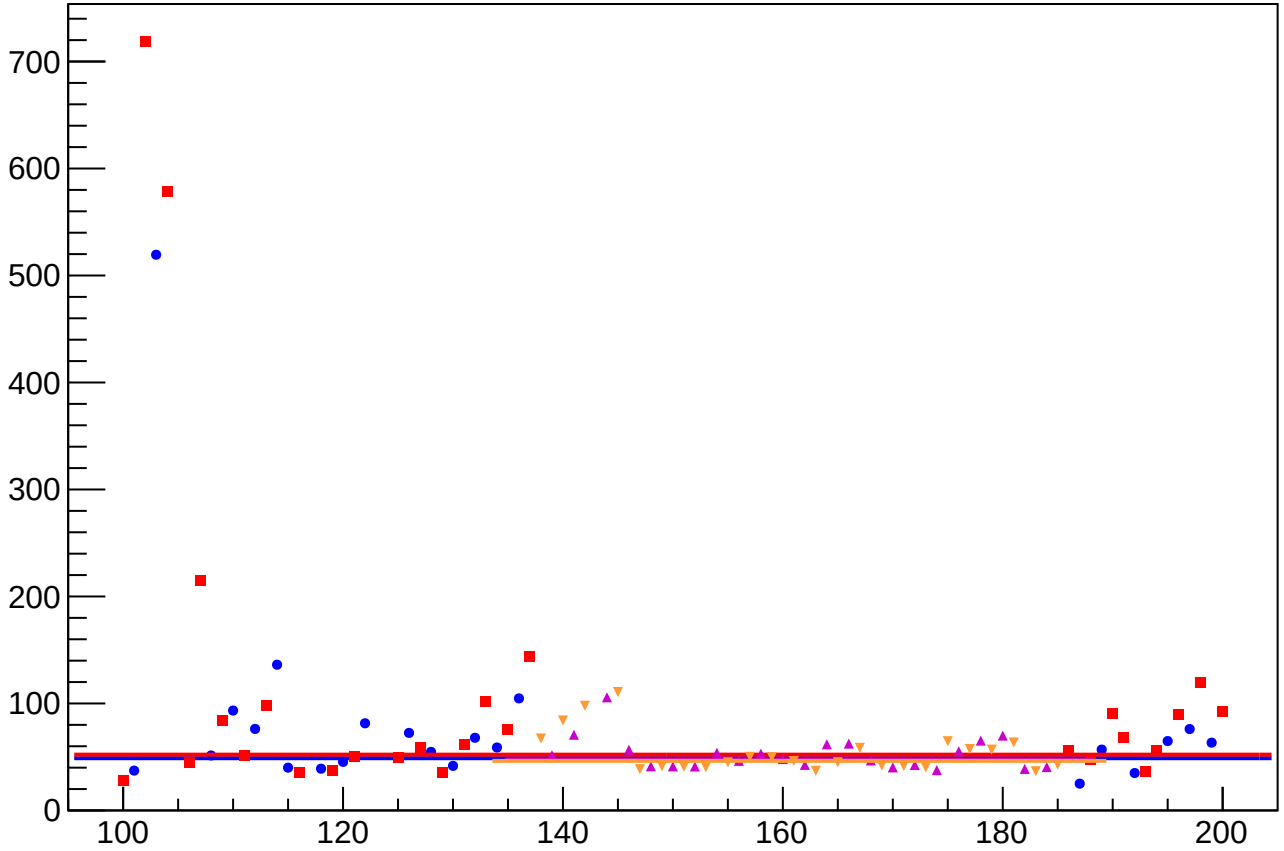
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.001+/-0.007 χ^2/NDF: 86.7/95

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

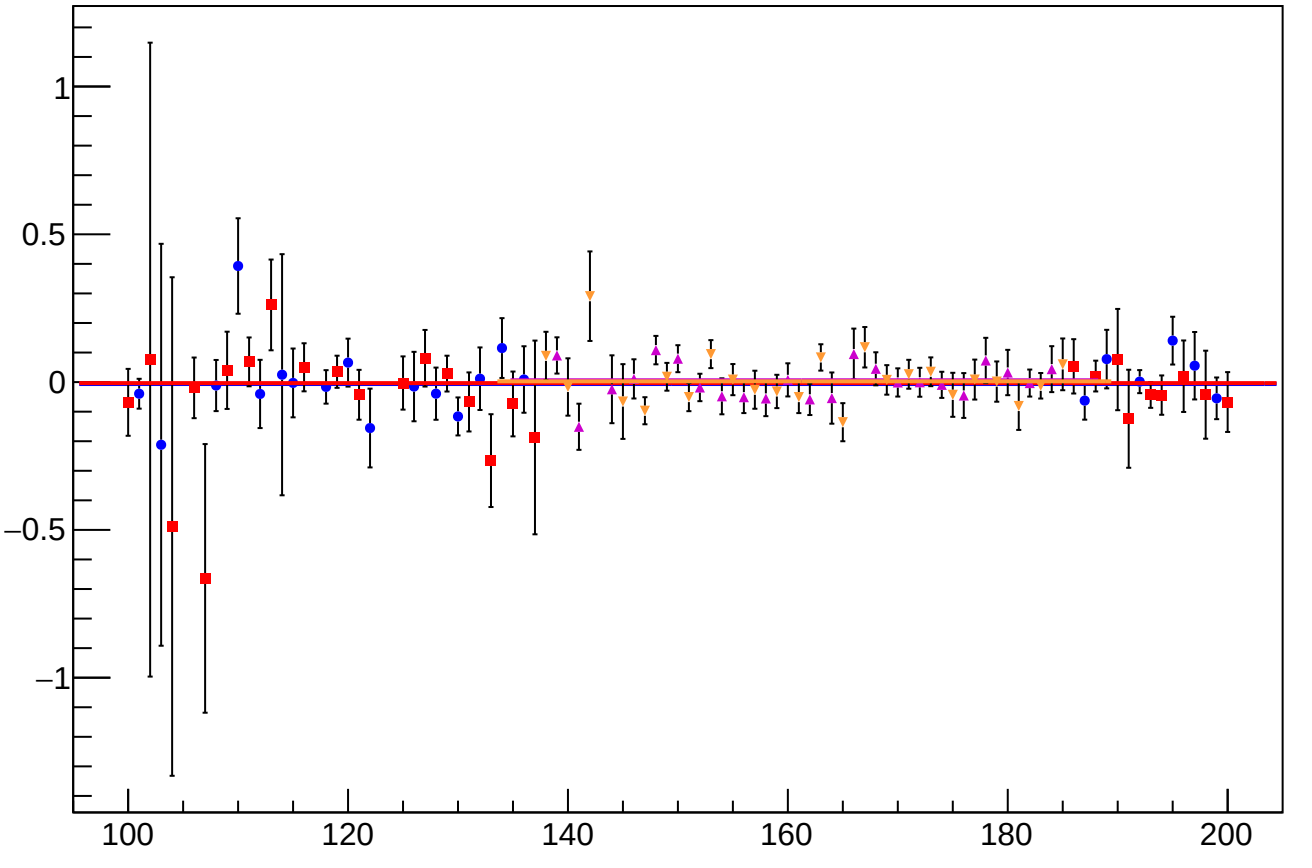
Right Out: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123433.7/45

All: 48.100+/-0.005 χ^2/NDF: 11214244.6/95

- sign 49.078+/-0.007 χ^2/NDF: 6052754.0/49



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

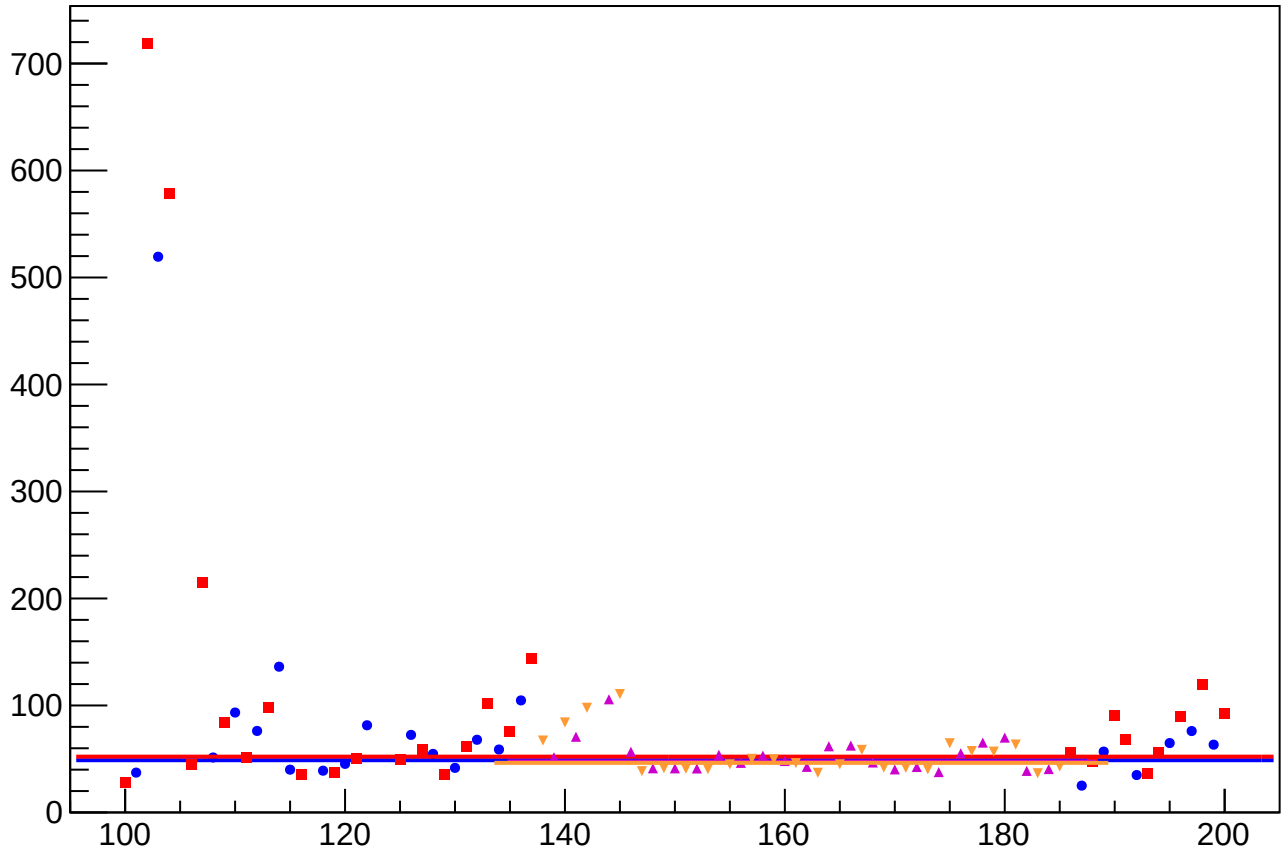
Right Out: -0.003+/-0.017 χ^2/NDF: 15.8/26

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.001+/-0.007 χ^2/NDF: 86.7/95

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

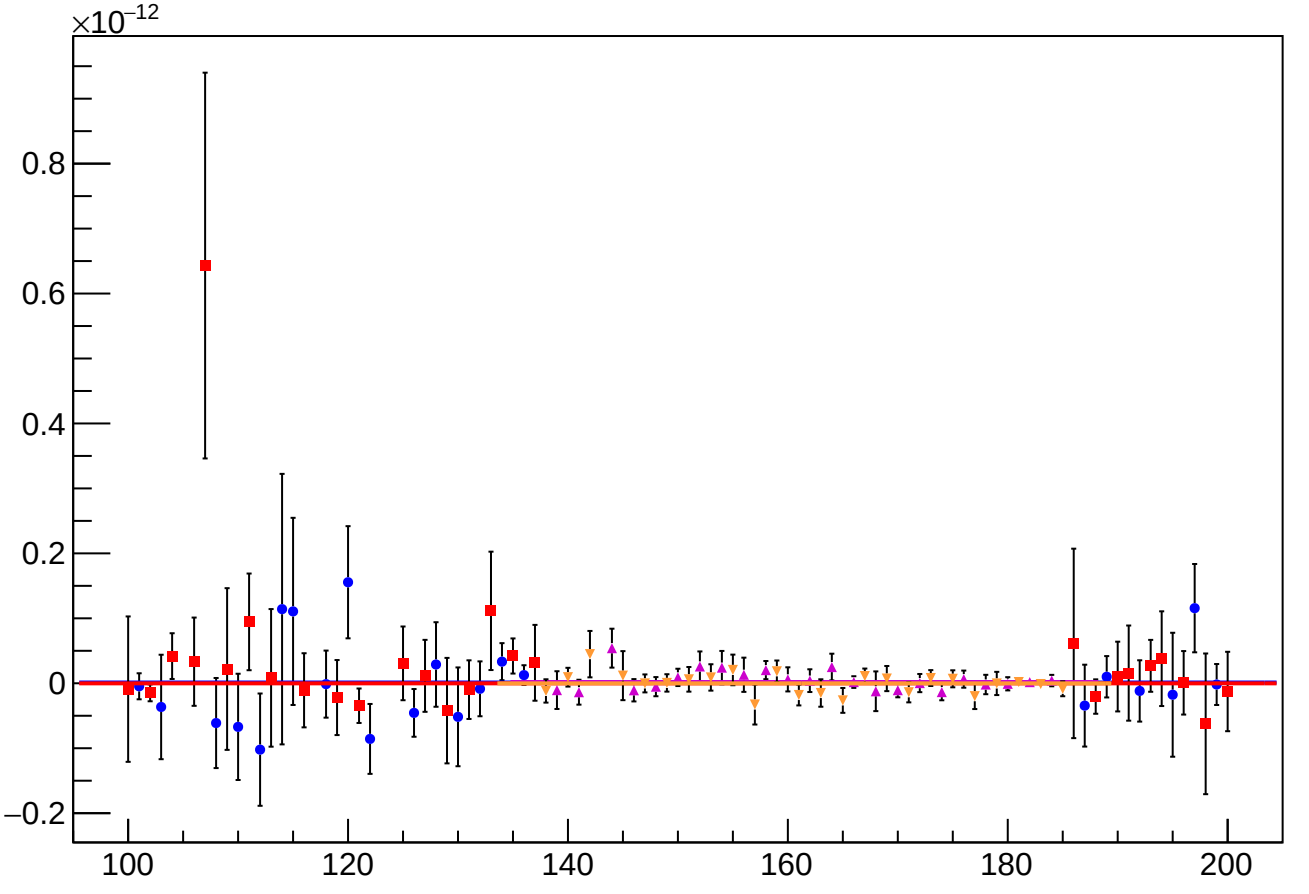
Right Out: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123433.7/45

All: 48.100+/-0.005 χ^2/NDF: 11214244.6/95

- sign 49.078+/-0.007 χ^2/NDF: 6052754.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

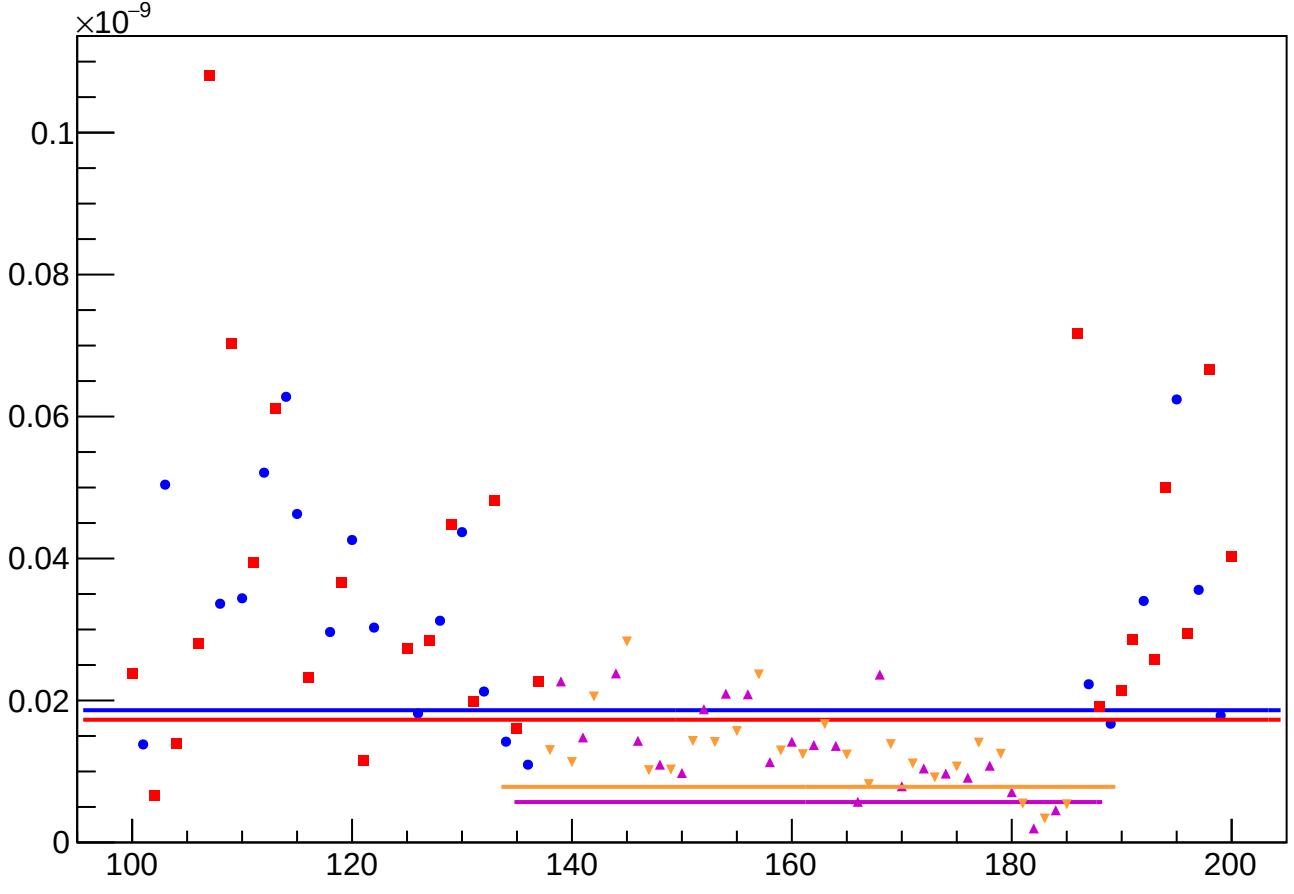
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/45

All: 0.000+/-0.000 χ^2/NDF: 63.0/95

- sign 0.000+/-0.000 χ^2/NDF: 31.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 3030783.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5123336.4/26

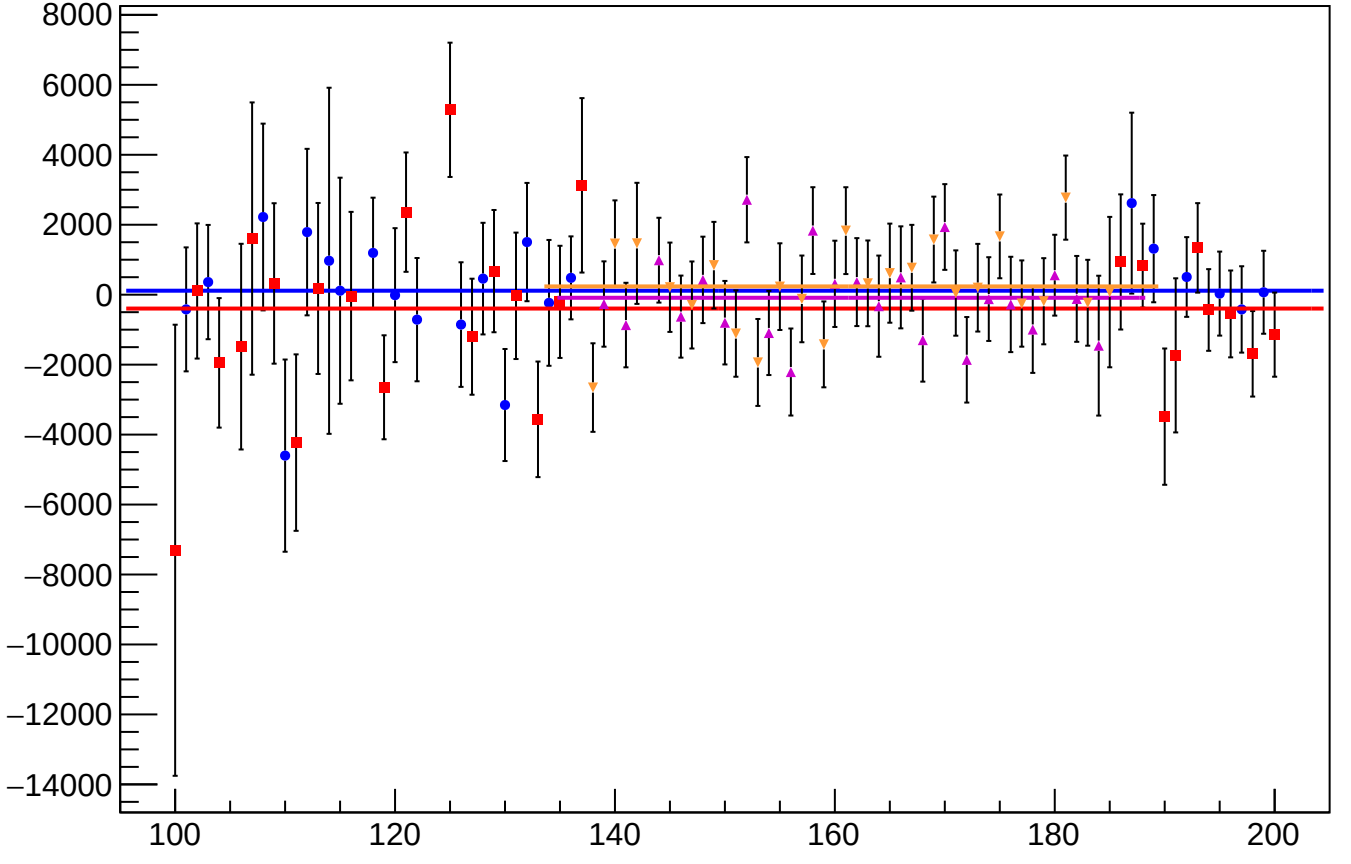
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12512612.6/45

All: 0.000+/-0.000 χ^2/NDF: 33886460.7/95

- sign 0.000+/-0.000 χ^2/NDF: 20352661.9/49

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 113.948+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -396.307+/-329.330 χ^2/NDF: 32.6/26

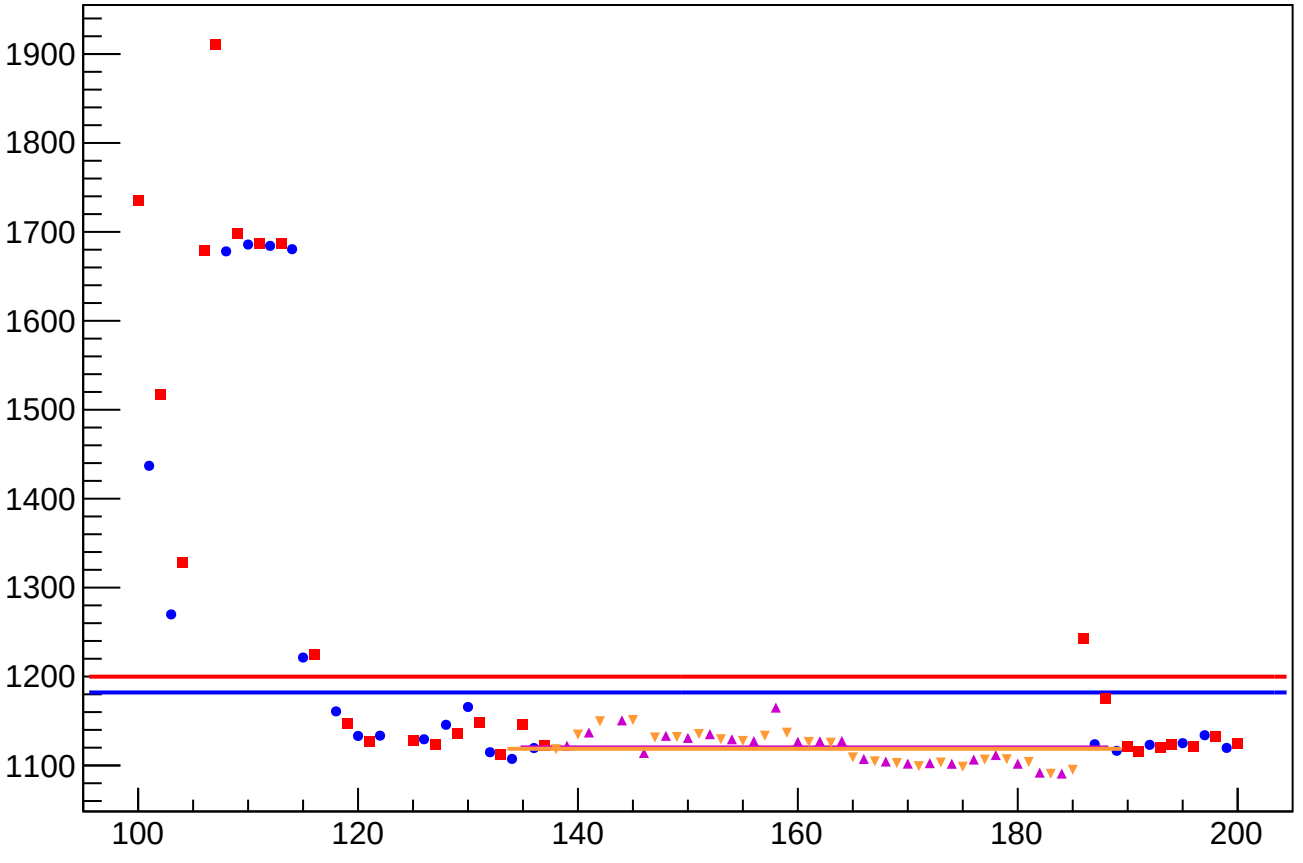
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 193.111+/-208.613 χ^2/NDF: 34.9/45

All: -10.854+/-146.160 χ^2/NDF: 90.8/95

- sign -207.509+/-204.841 χ^2/NDF: 54.0/49

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1199.842+/-0.233 χ^2/NDF: 518893.0/26

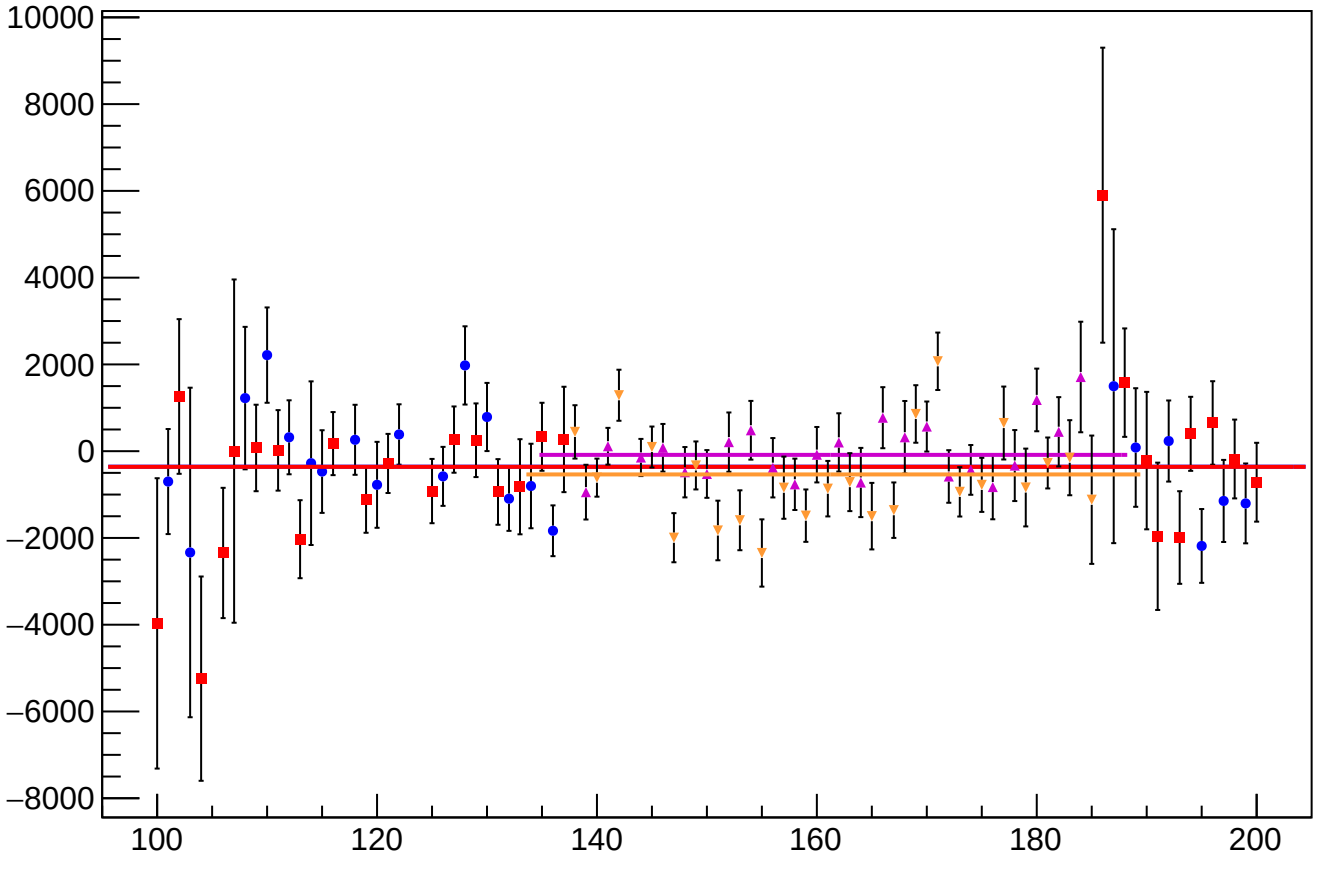
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384895.9/45

All: 1146.226+/-0.103 χ^2/NDF: 987072.2/95

- sign 1151.078+/-0.145 χ^2/NDF: 599890.5/49

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -357.154+/-197.764 χ^2/NDF: 32.7/21

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -361.001+/-191.393 χ^2/NDF: 28.1/26

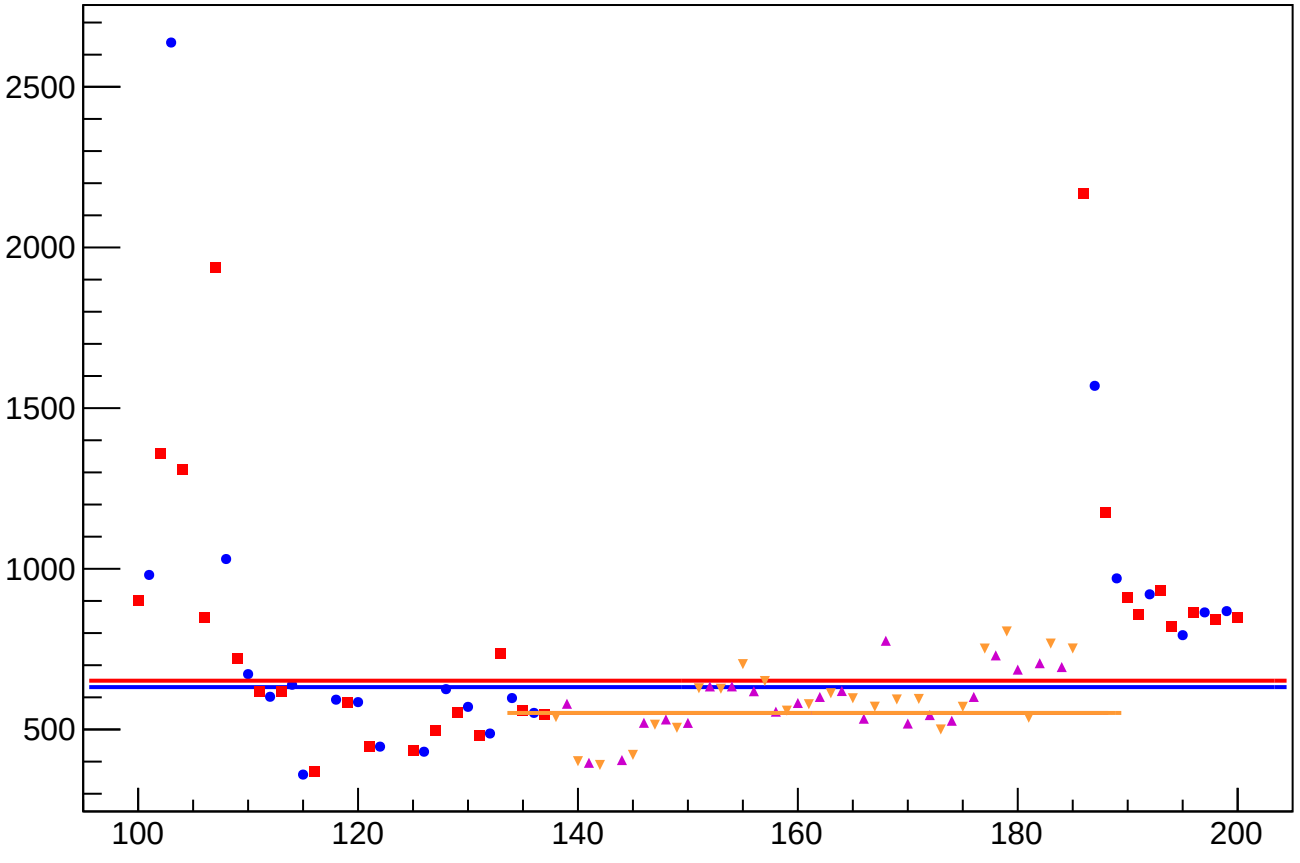
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -481.593+/-109.008 χ^2/NDF: 94.9/45

All: -326.080+/-76.751 χ^2/NDF: 145.5/95

- sign -173.192+/-108.084 χ^2/NDF: 46.6/49

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 631.805+/-0.140 χ^2/NDF: 2237427.1/21

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 651.803+/-0.135 χ^2/NDF: 3009354.3/26

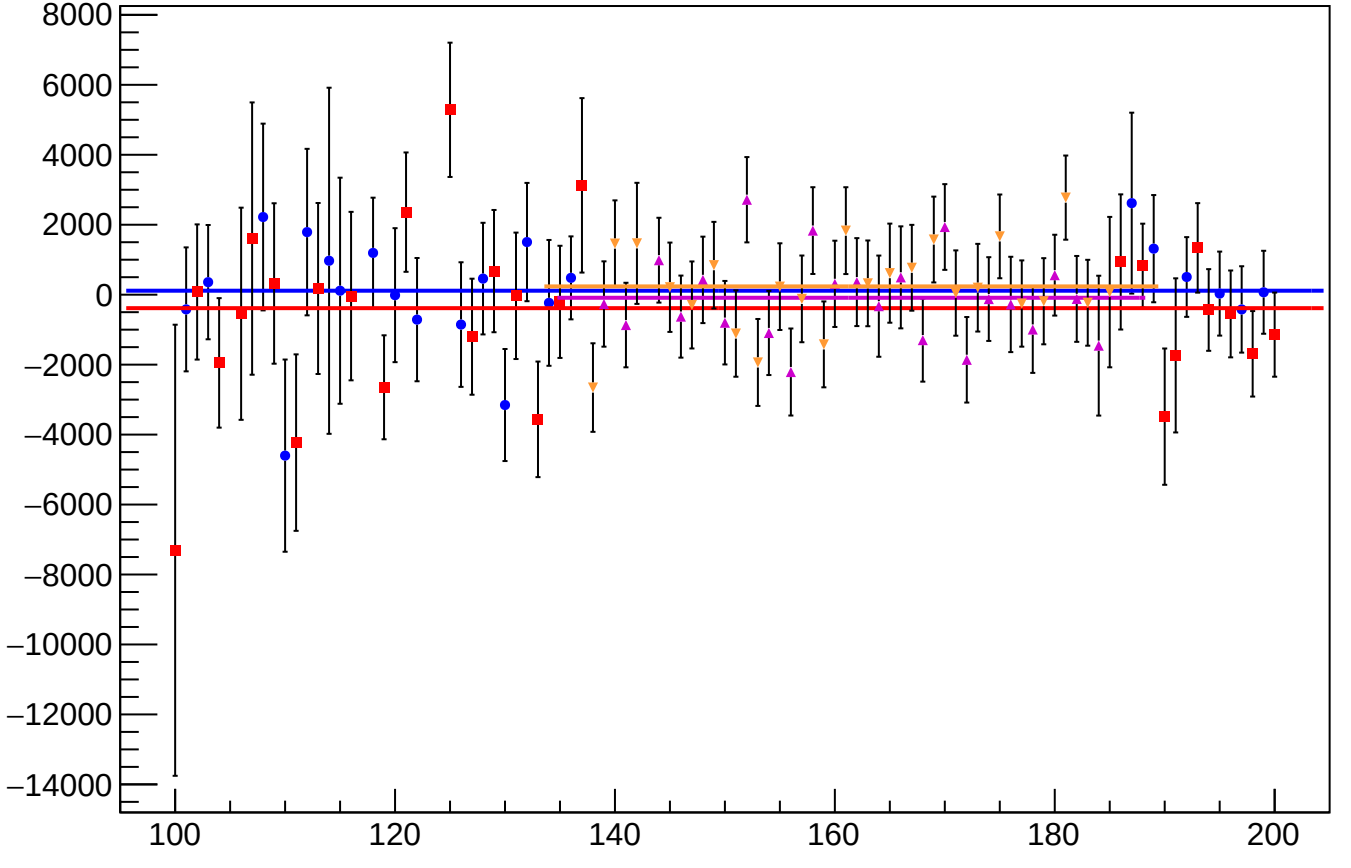
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 575.856+/-0.077 χ^2/NDF: 3693969.4/45

All: 579.648+/-0.054 χ^2/NDF: 8145225.5/95

- sign 583.376+/-0.076 χ^2/NDF: 4446457.3/49

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -385.268+/-329.455 χ^2/NDF: 32.4/26

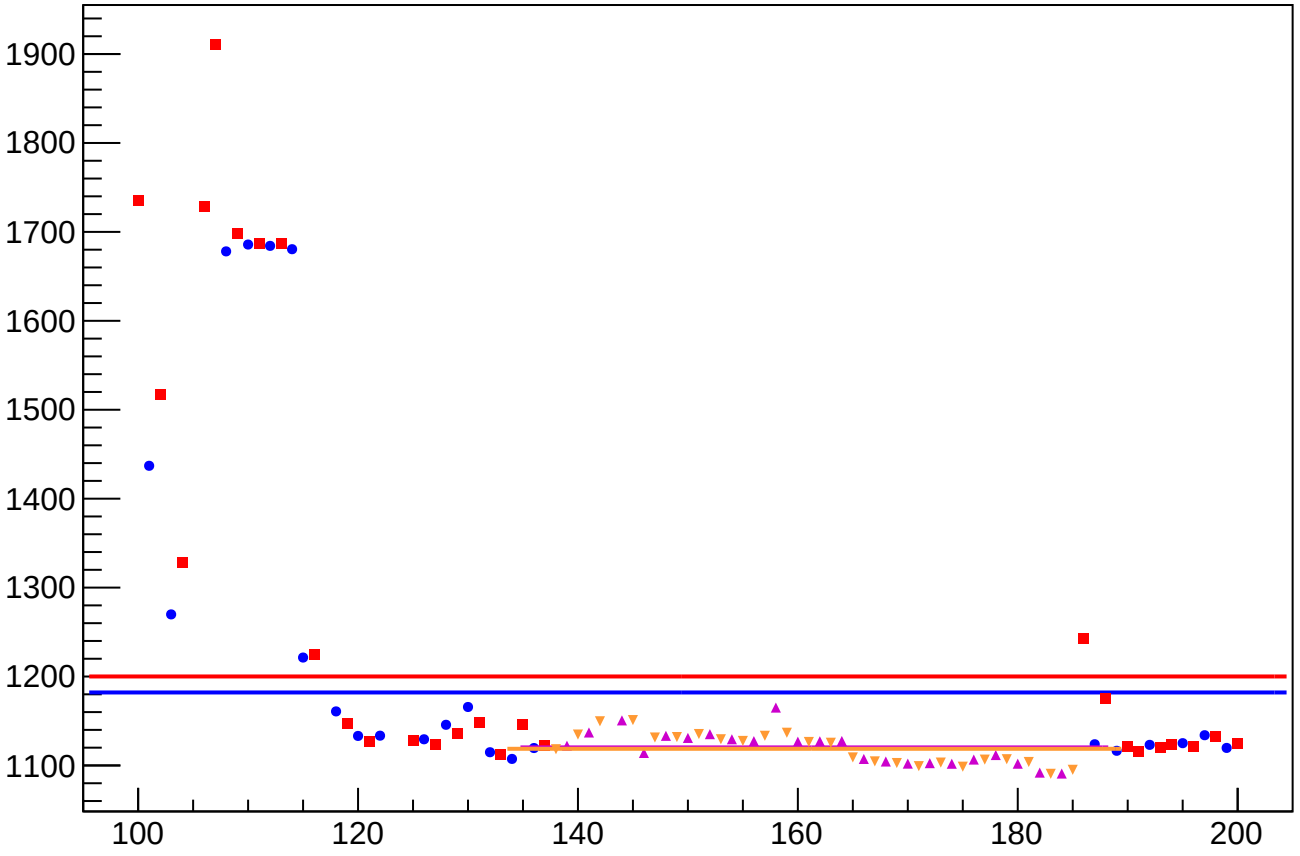
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

\+ sign 193.083+/-208.613 χ^2/NDF: 34.9/45

All: -8.634+/-146.171 χ^2/NDF: 90.5/95

\- sign -203.179+/-204.871 χ^2/NDF: 53.8/49

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

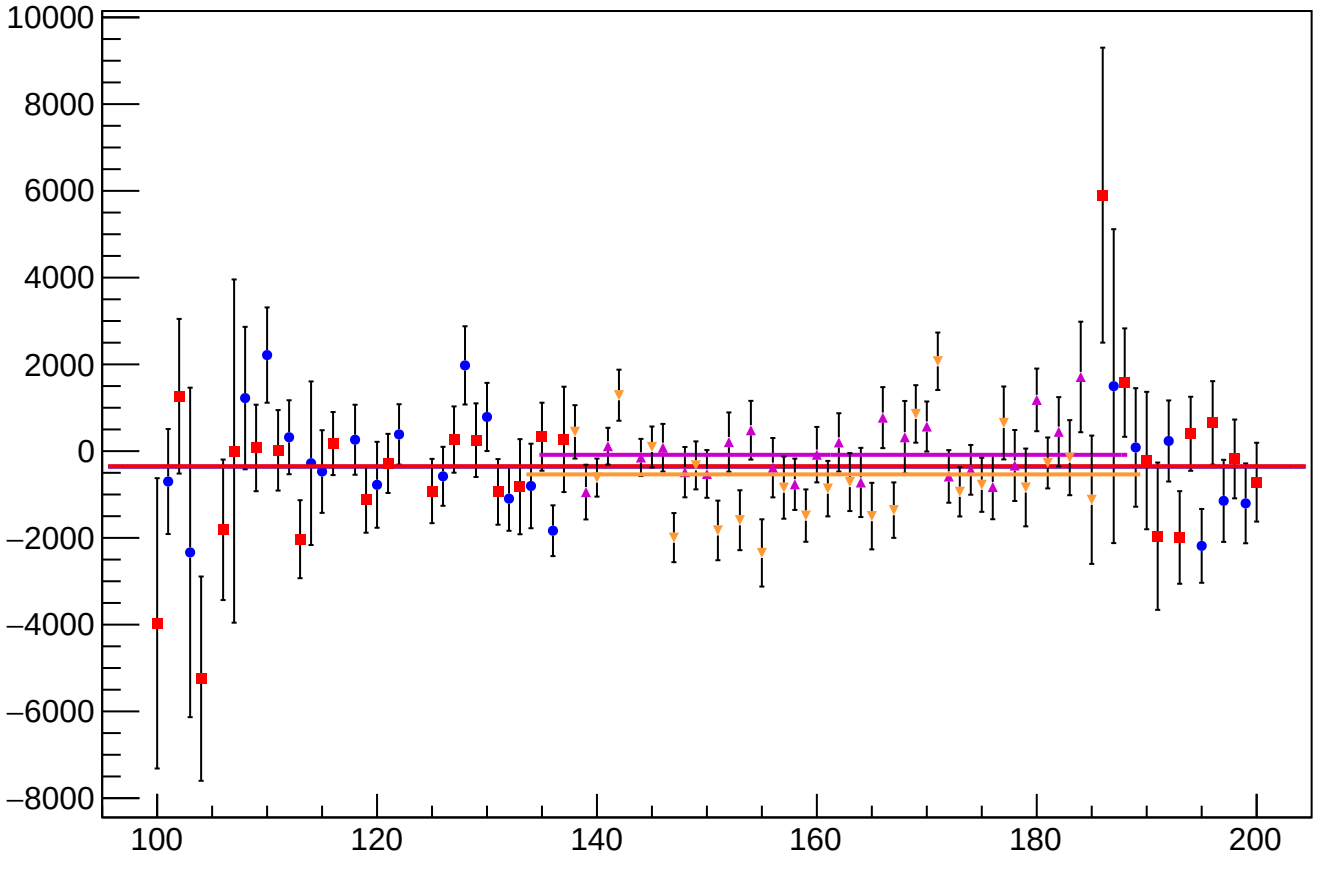
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384896.0/45

All: 1146.263+/-0.103 χ^2/NDF: 995253.9/95

- sign 1151.152+/-0.145 χ^2/NDF: 608037.9/49

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -349.034+/-191.611 χ^2/NDF: 27.2/26

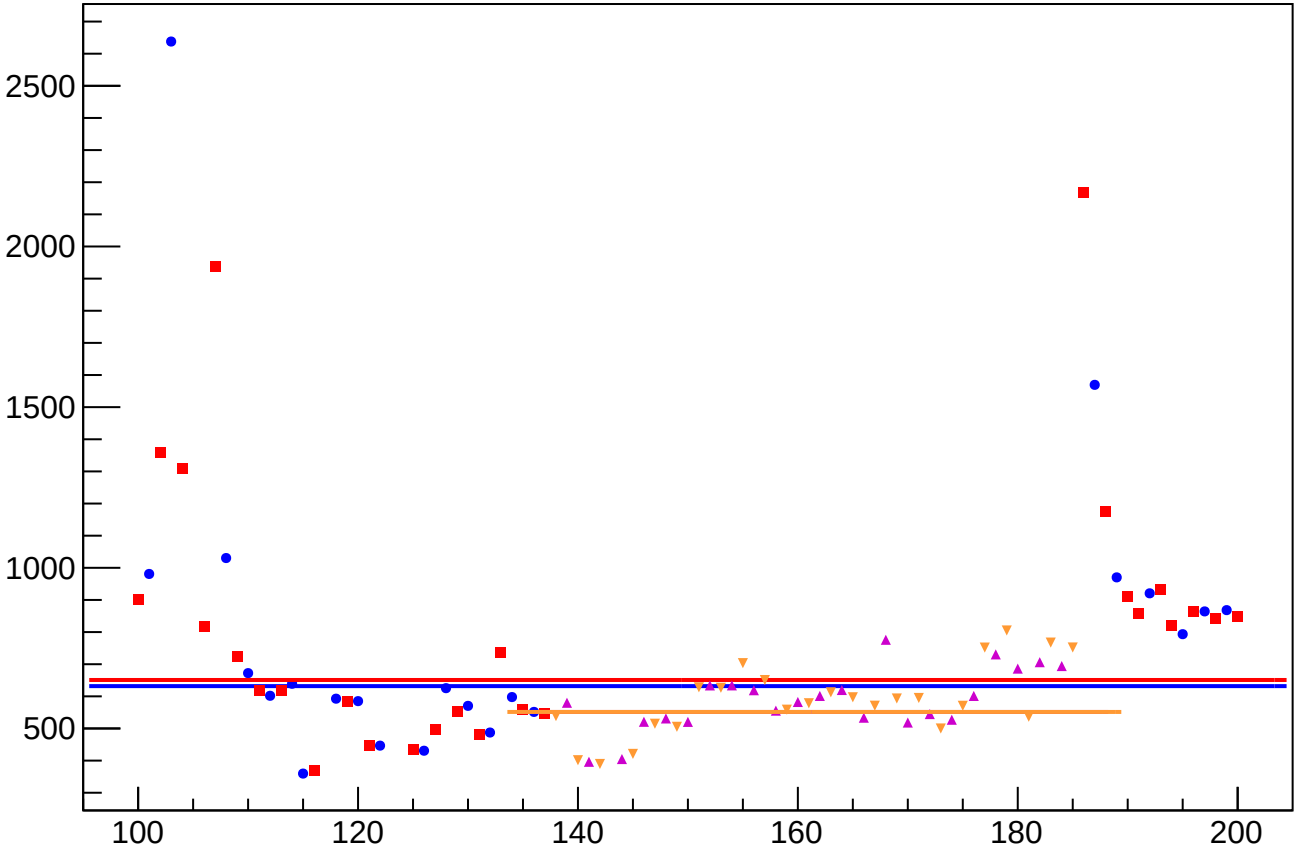
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -481.607+/-109.007 χ^2/NDF: 94.9/45

All: -324.150+/-76.765 χ^2/NDF: 144.6/95

\- sign -169.238+/-108.123 χ^2/NDF: 45.6/49

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

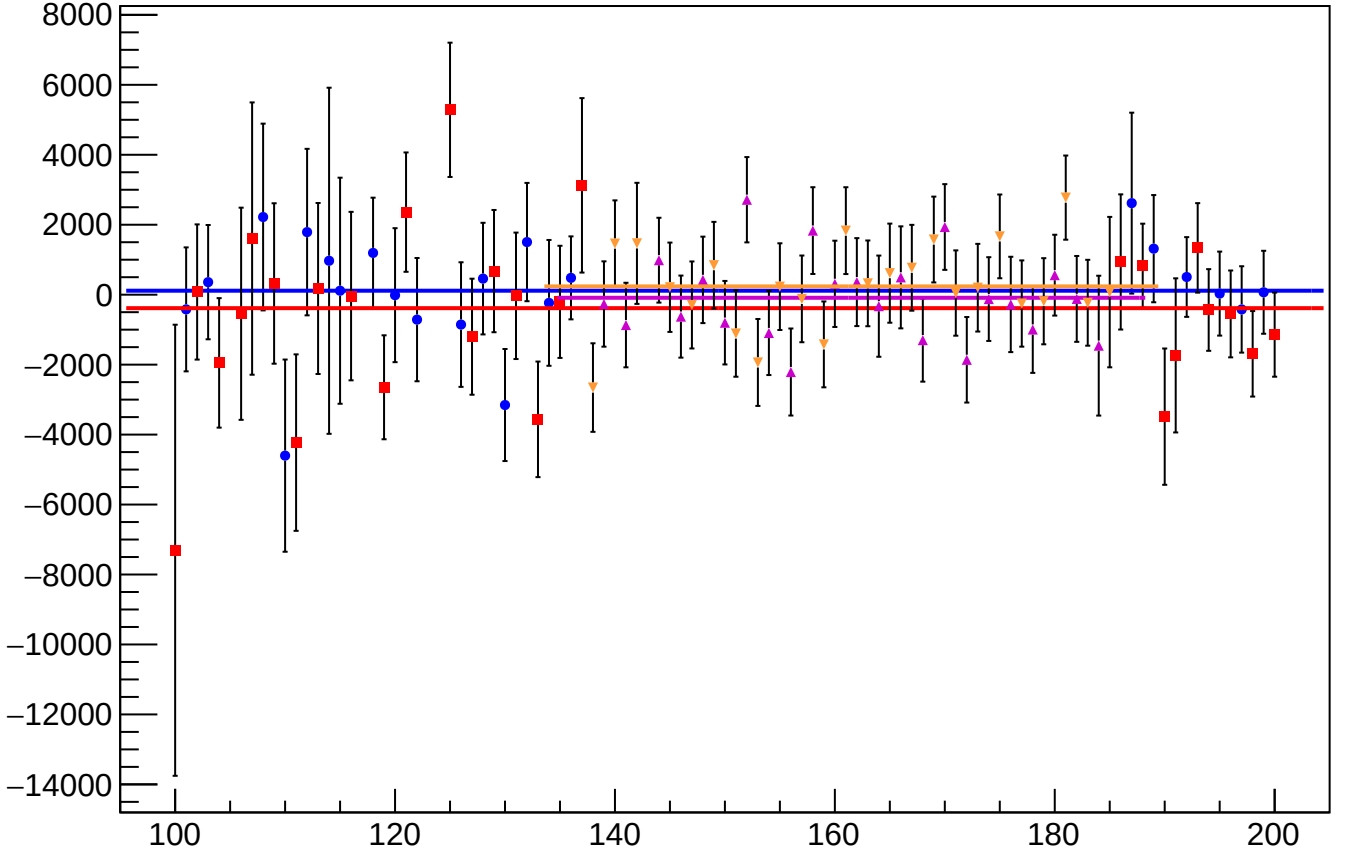
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 575.855+/-0.077 χ^2/NDF: 3693960.8/45

All: 579.479+/-0.054 χ^2/NDF: 8124571.8/95

- sign 583.044+/-0.076 χ^2/NDF: 4426226.2/49

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -385.268+/-329.455 χ^2/NDF: 32.4/26

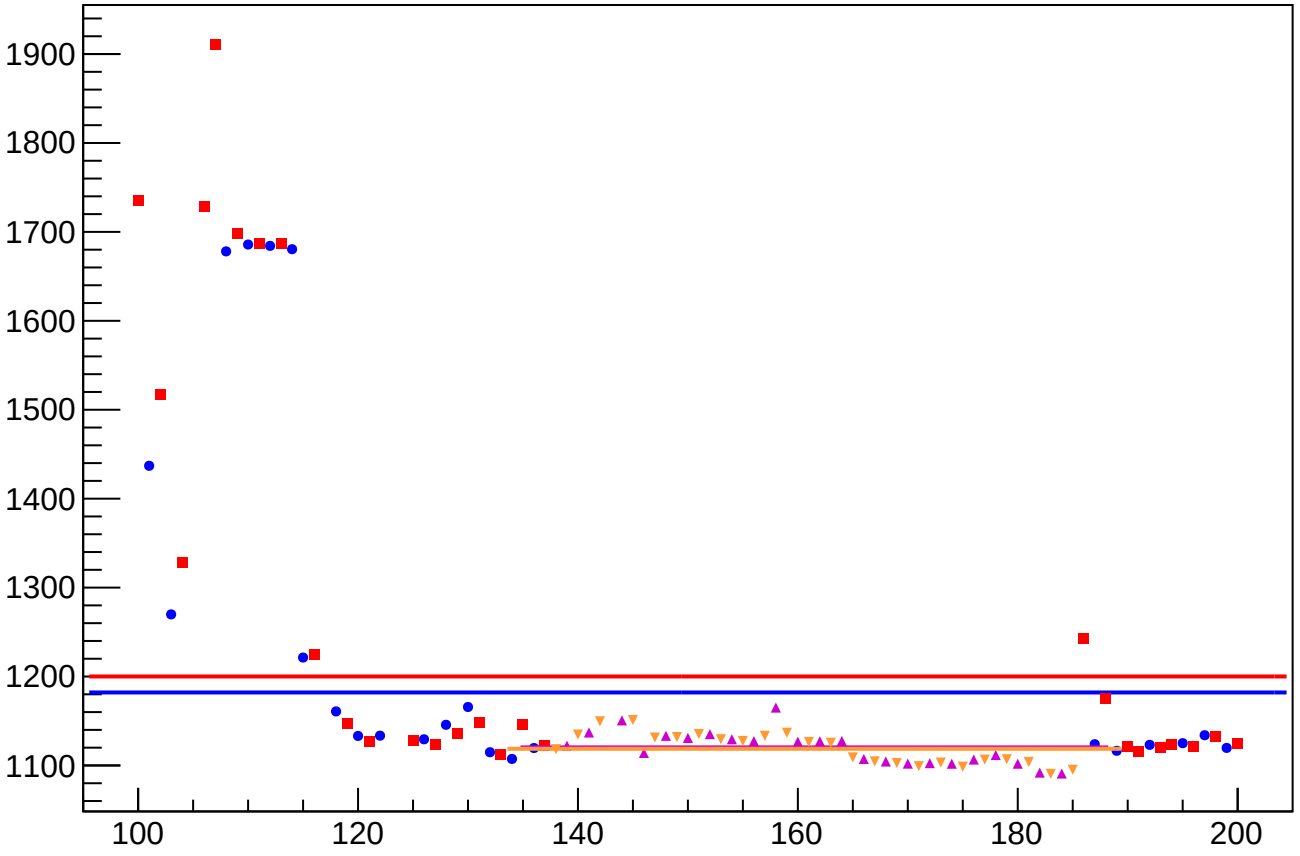
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 193.083+/-208.613 χ^2/NDF: 34.9/45

All: -8.634+/-146.171 χ^2/NDF: 90.5/95

- sign -203.179+/-204.871 χ^2/NDF: 53.8/49

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

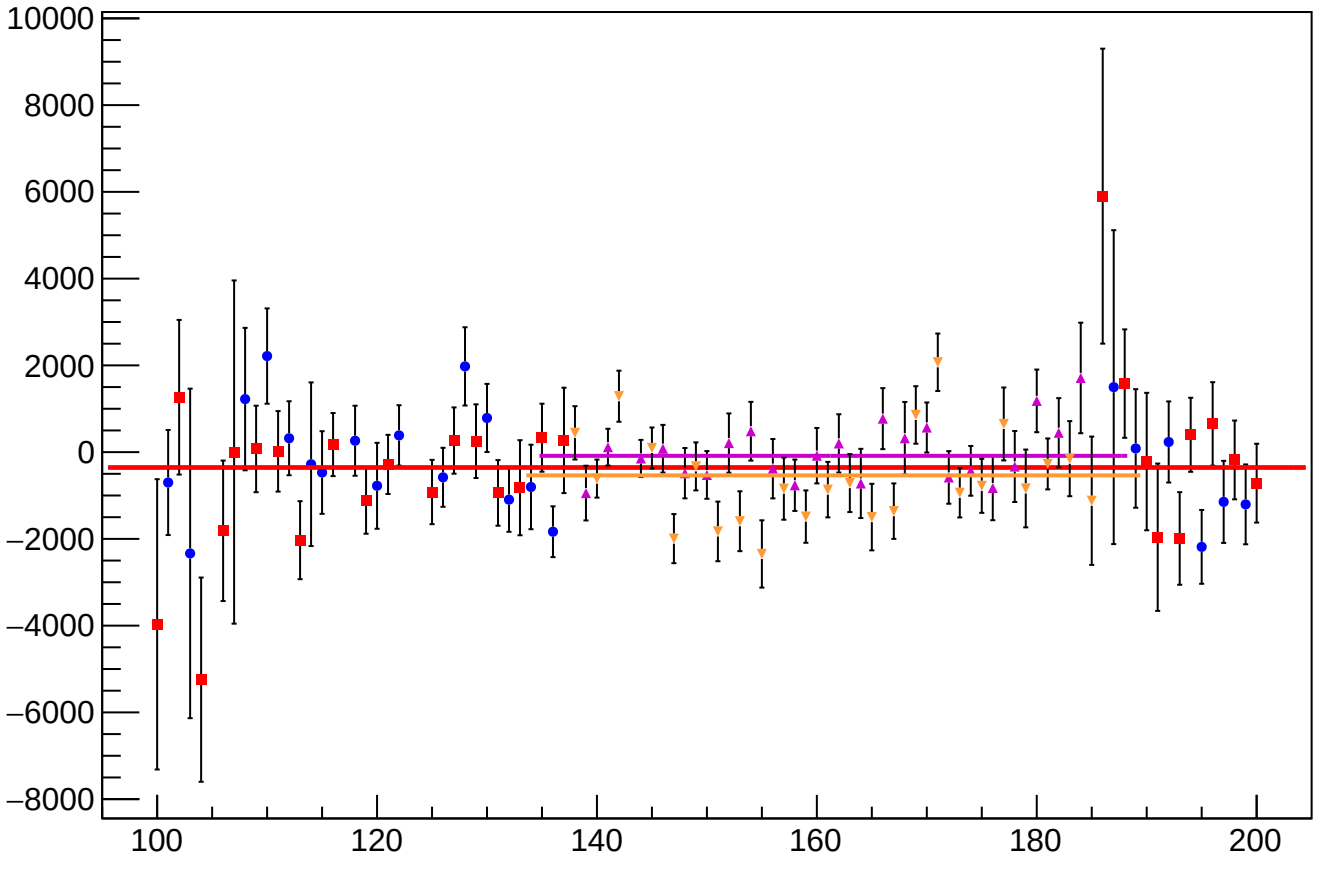
Right Out: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384896.0/45

All: 1146.263+/-0.103 χ^2/NDF: 995253.9/95

- sign 1151.152+/-0.145 χ^2/NDF: 608037.9/49



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -349.034+/-191.611 χ^2/NDF: 27.2/26

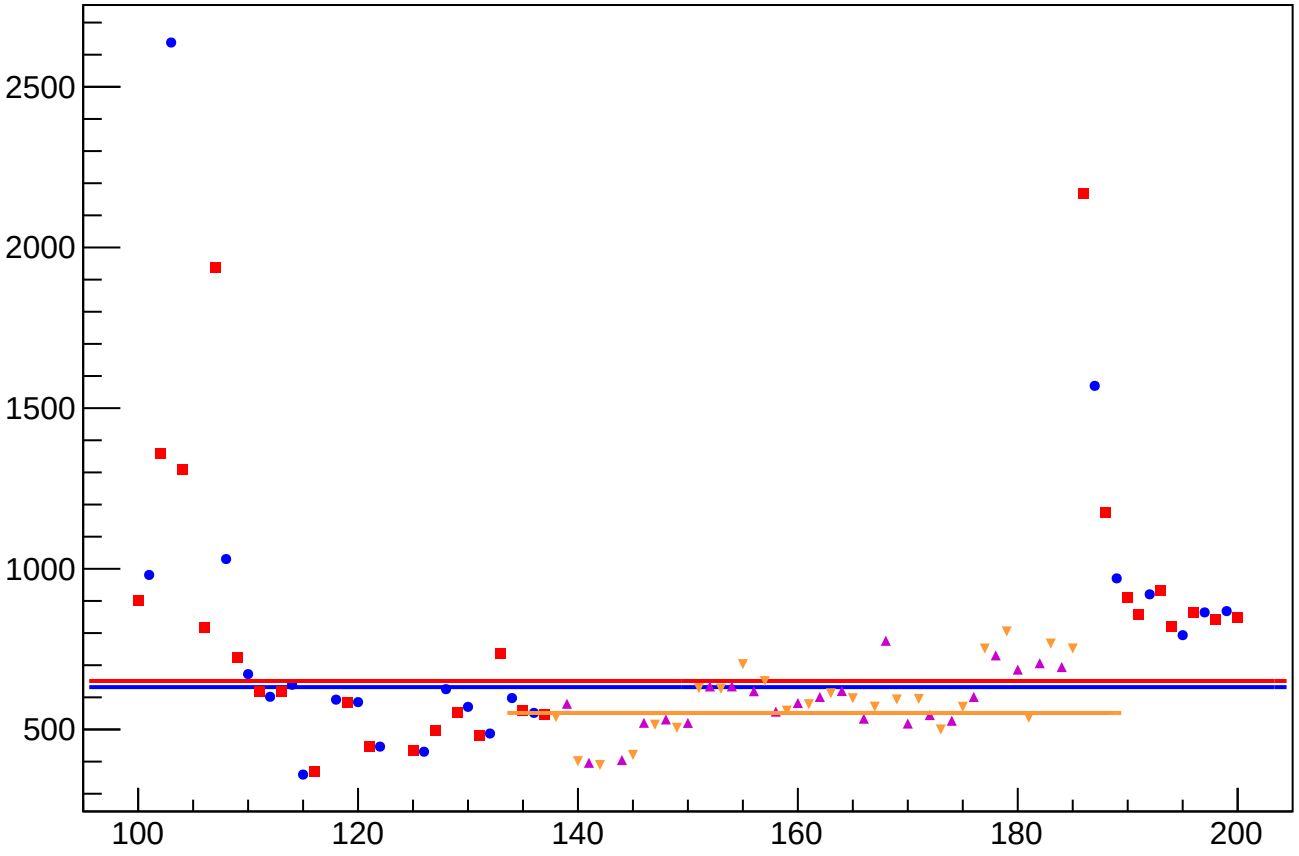
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -481.607+/-109.007 χ^2/NDF: 94.9/45

All: -324.150+/-76.765 χ^2/NDF: 144.6/95

- sign -169.238+/-108.123 χ^2/NDF: 45.6/49

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

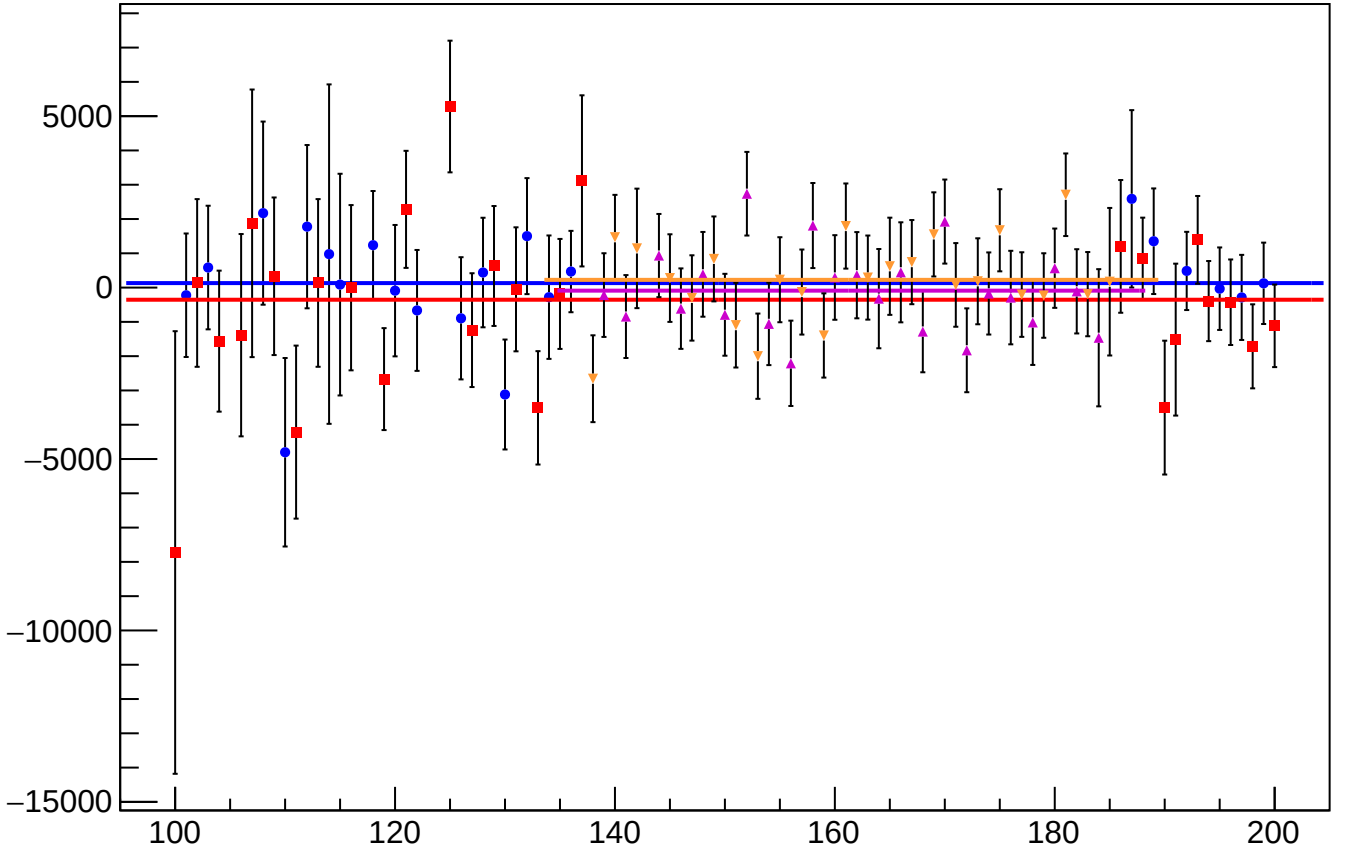
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

\+ sign 575.855+/-0.077 χ^2/NDF: 3693960.8/45

All: 579.479+/-0.054 χ^2/NDF: 8124571.8/95

\- sign 583.044+/-0.076 χ^2/NDF: 4426226.2/49

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.191+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -354.145+/-332.575 χ^2/NDF: 32.3/26

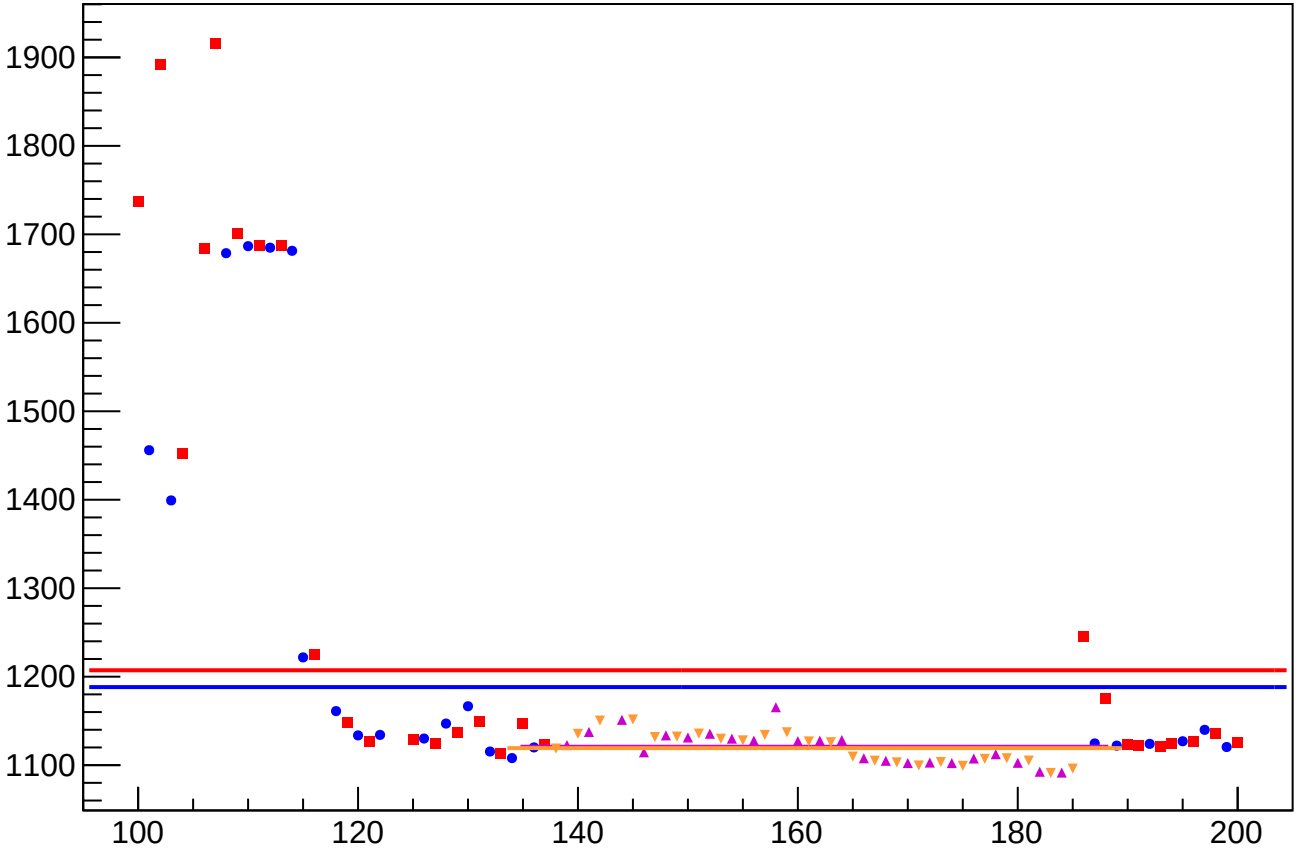
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 192.398+/-209.140 χ^2/NDF: 34.4/45

All: -2.228+/-146.642 χ^2/NDF: 89.3/95

- sign -190.450+/-205.670 χ^2/NDF: 53.2/49

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.7/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1207.245+/-0.235 χ^2/NDF: 644237.3/26

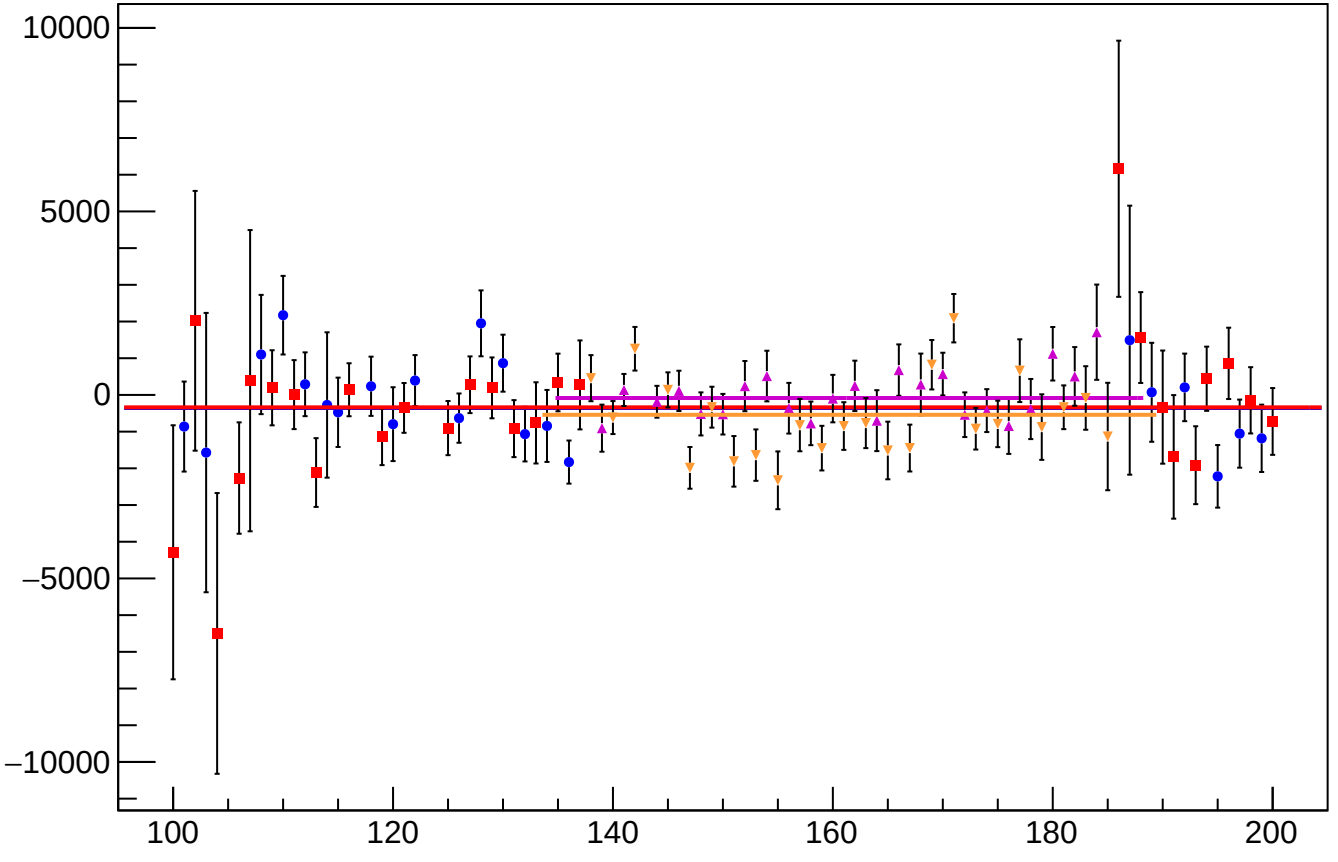
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1143.544+/-0.148 χ^2/NDF: 417847.4/45

All: 1148.789+/-0.104 χ^2/NDF: 1157431.8/95

- sign 1153.860+/-0.145 χ^2/NDF: 737110.7/49

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -338.743+/-193.626 χ^2/NDF: 26.1/26

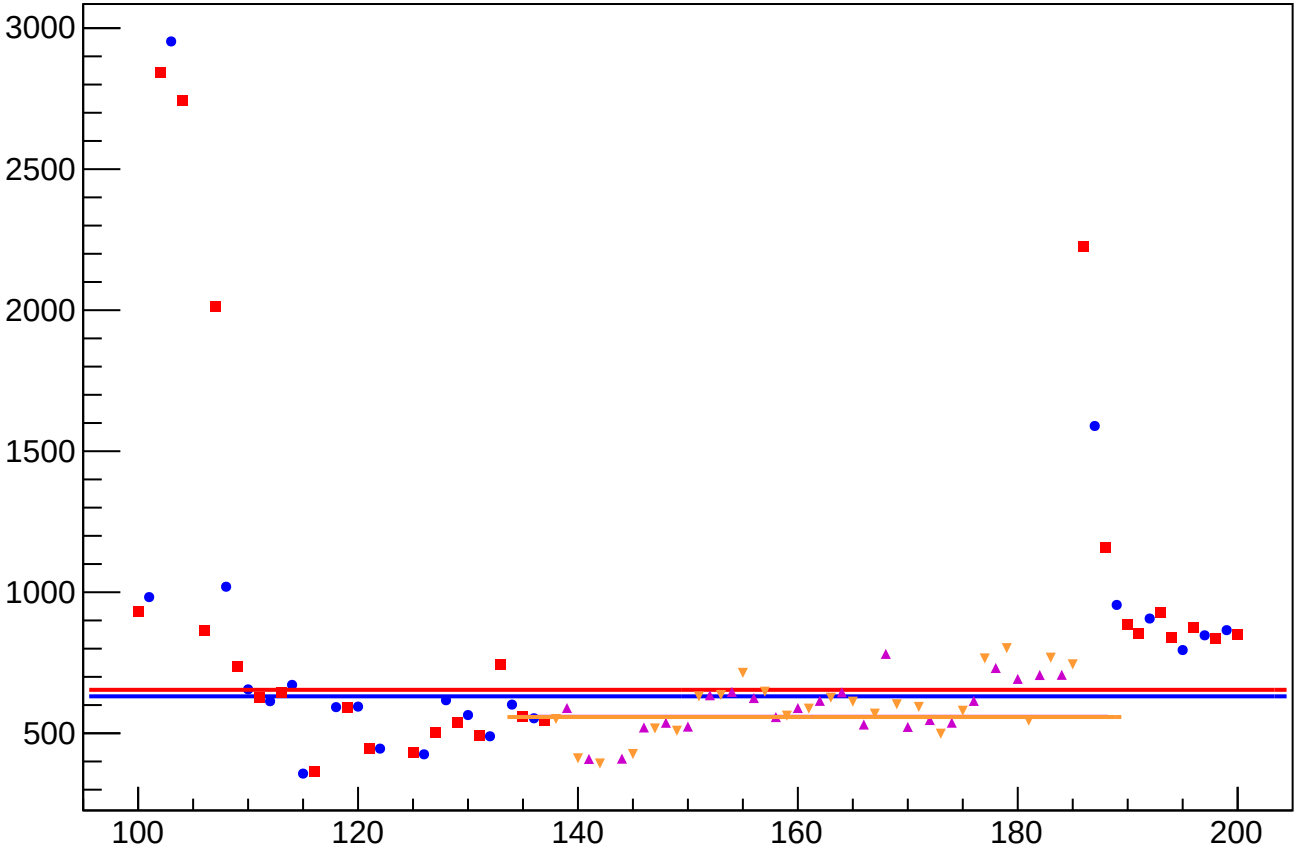
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -484.299+/-109.721 χ^2/NDF: 94.2/45

All: -324.330+/-77.462 χ^2/NDF: 142.1/95

- sign -165.368+/-109.375 χ^2/NDF: 43.6/49

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 630.938+/-0.140 χ^2/NDF: 2402088.8/21

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 654.035+/-0.137 χ^2/NDF: 3920711.7/26

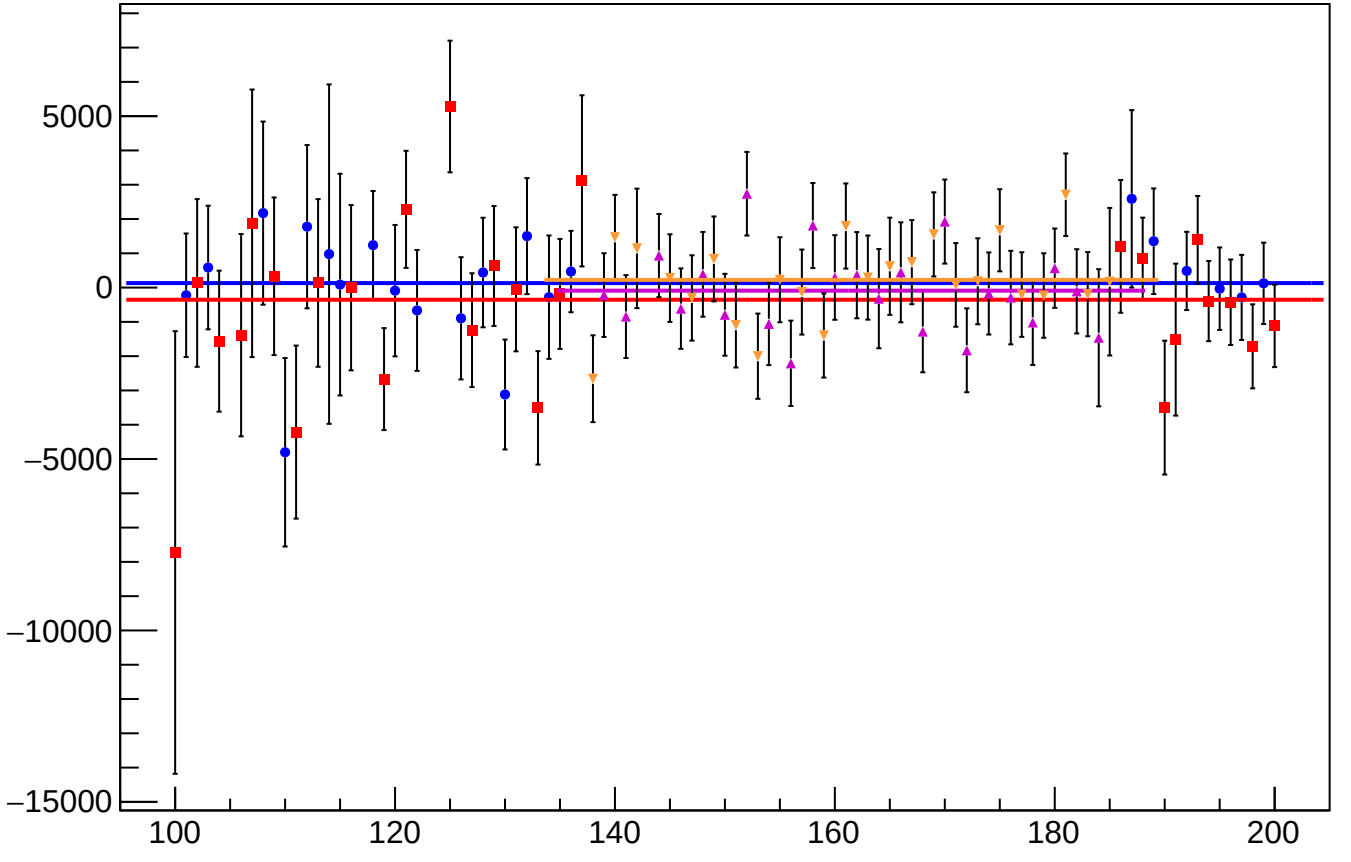
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 580.270+/-0.078 χ^2/NDF: 3786251.2/45

All: 584.604+/-0.055 χ^2/NDF: 9073266.7/95

- sign 588.911+/-0.077 χ^2/NDF: 5280793.3/49

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.192+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -354.145+/-332.575 χ^2/NDF: 32.3/26

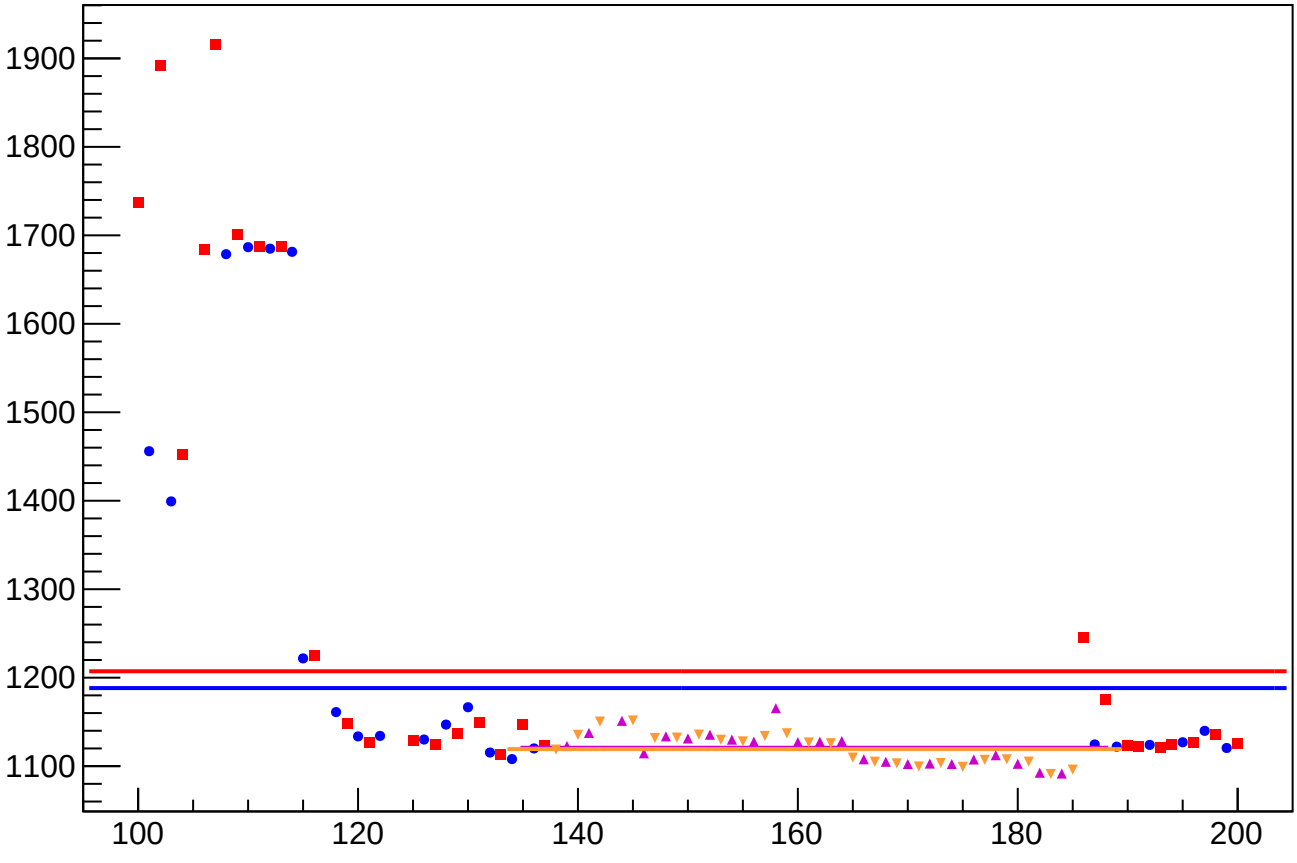
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 192.397+/-209.140 χ^2/NDF: 34.4/45

All: -2.229+/-146.642 χ^2/NDF: 89.3/95

- sign -190.451+/-205.670 χ^2/NDF: 53.2/49

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.3/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1207.245+/-0.235 χ^2/NDF: 644236.7/26

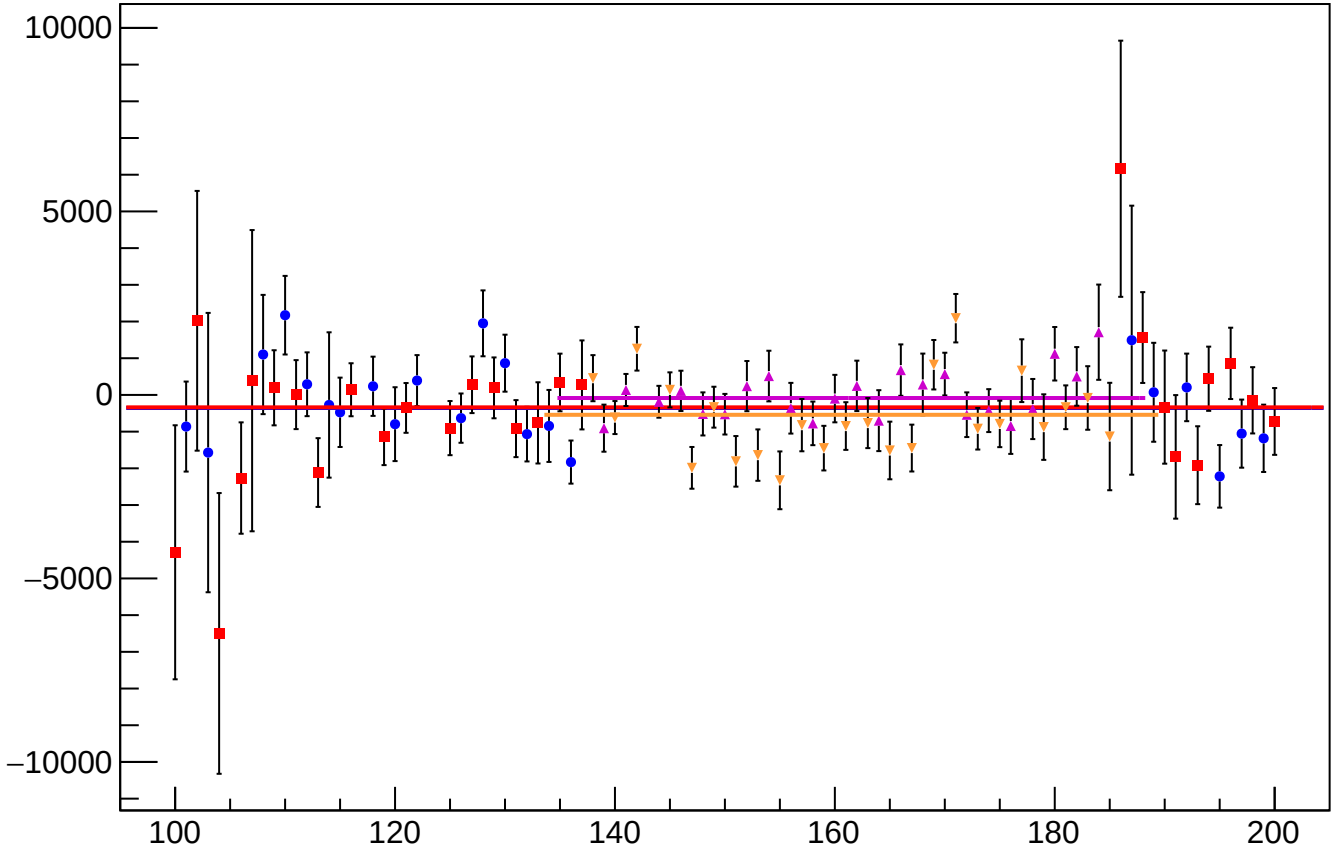
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1143.544+/-0.148 χ^2/NDF: 417846.9/45

All: 1148.789+/-0.104 χ^2/NDF: 1157430.5/95

- sign 1153.860+/-0.145 χ^2/NDF: 737110.0/49

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -338.744+/-193.626 χ^2/NDF: 26.1/26

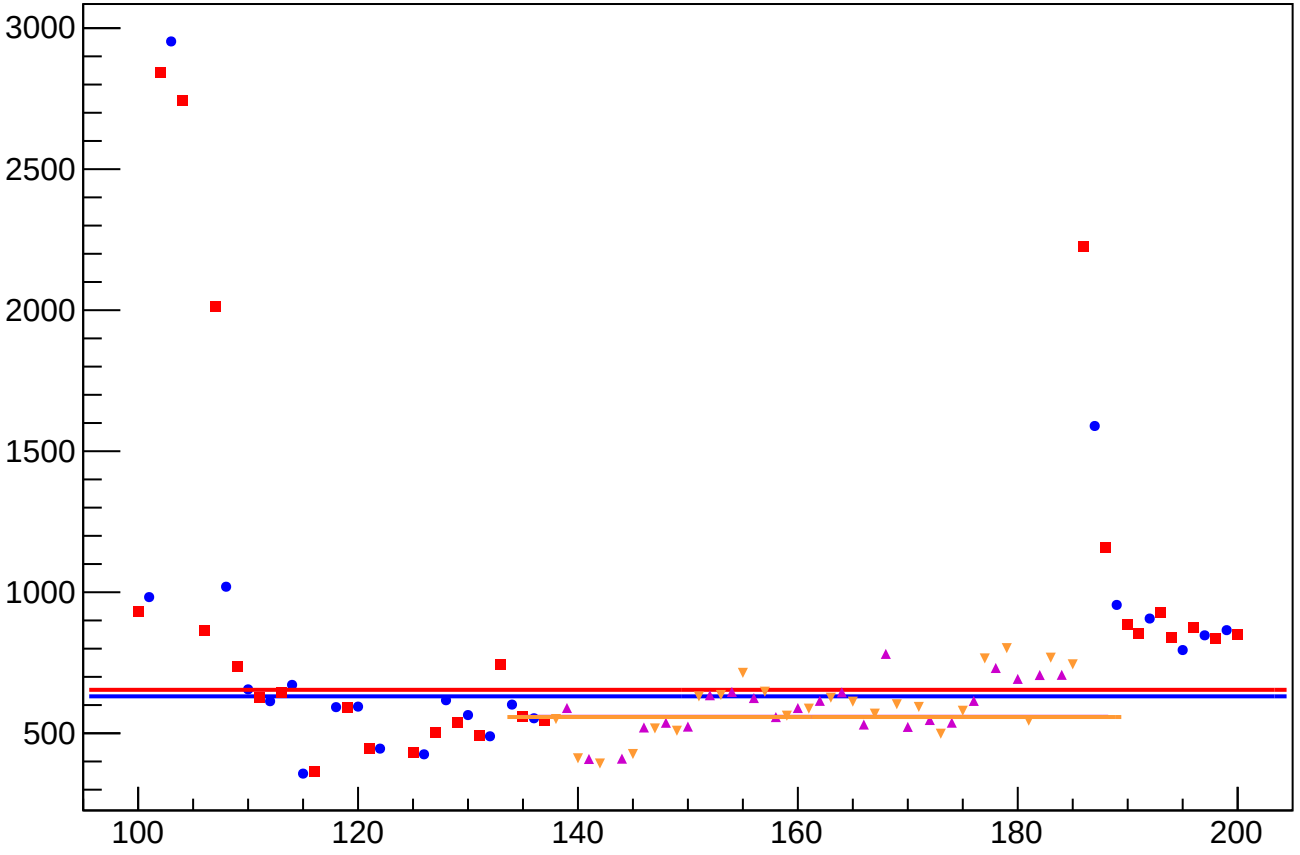
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -484.298+/-109.721 χ^2/NDF: 94.2/45

All: -324.330+/-77.462 χ^2/NDF: 142.1/95

- sign -165.368+/-109.375 χ^2/NDF: 43.6/49

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 630.938+/-0.140 χ^2/NDF: 2402084.5/21

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 654.034+/-0.137 χ^2/NDF: 3920711.8/26

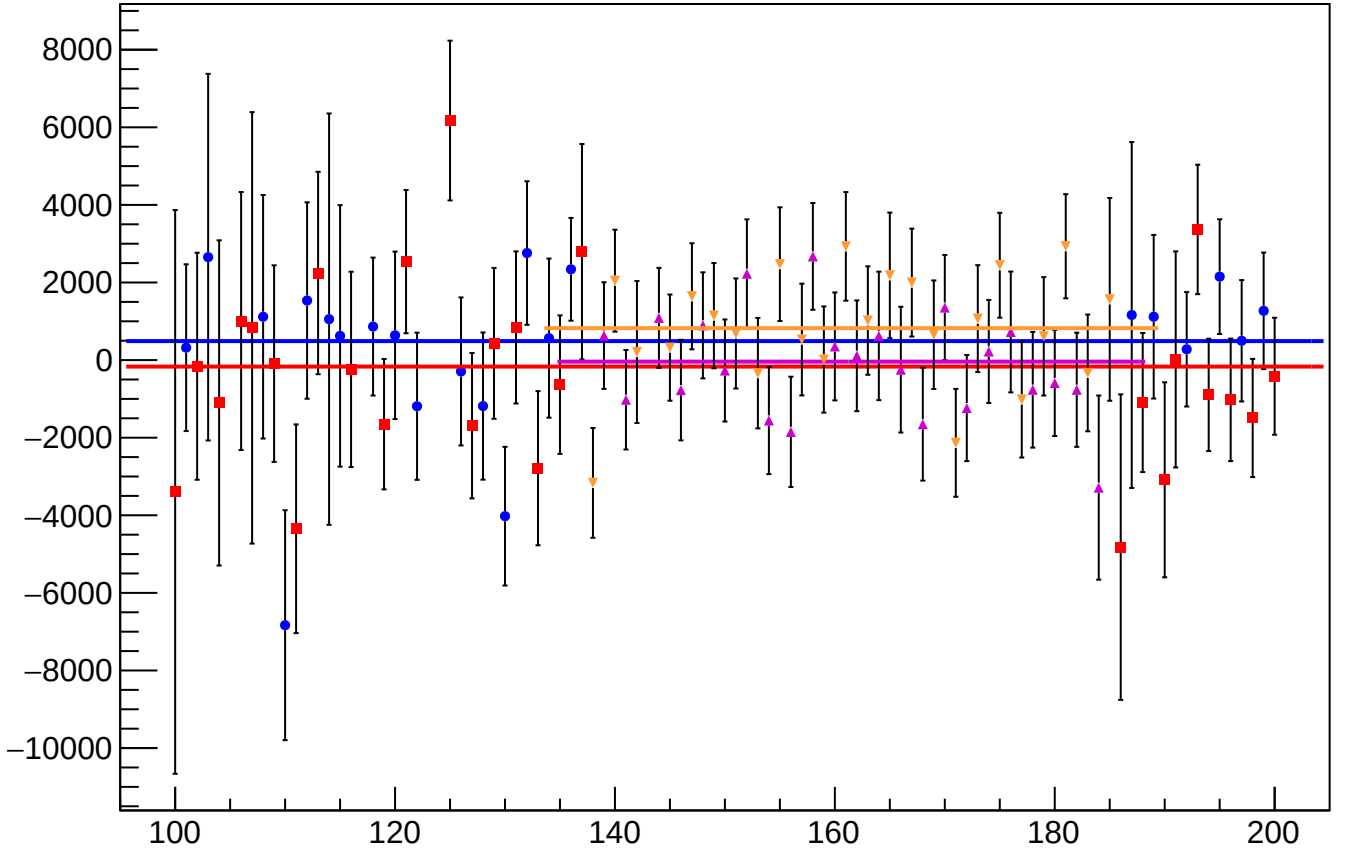
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 580.269+/-0.078 χ^2/NDF: 3786270.8/45

All: 584.604+/-0.055 χ^2/NDF: 9073304.4/95

- sign 588.911+/-0.077 χ^2/NDF: 5280811.2/49

asym_usl_atl1_dd_mean vs Slug



Right In: 489.693+/-423.471 χ^2/NDF: 19.8/21

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -167.120+/-405.723 χ^2/NDF: 28.9/26

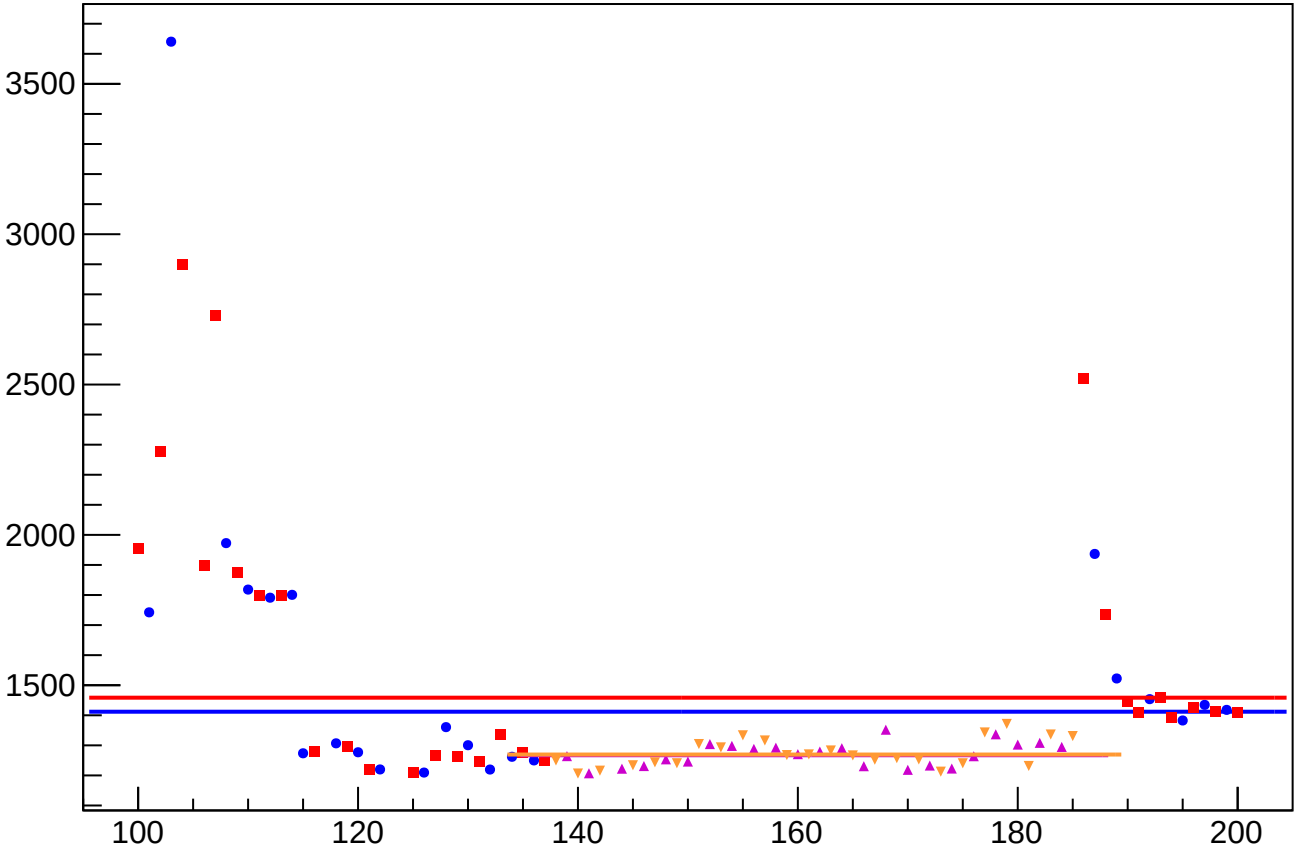
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 714.396+/-241.966 χ^2/NDF: 46.4/45

All: 310.509+/-170.083 χ^2/NDF: 98.8/95

- sign -83.960+/-239.128 χ^2/NDF: 46.8/49

asym_usl_atl1_dd_rms vs Slug



Right In: 1411.875+/-0.299 χ^2/NDF: 817996.0/21

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1458.547+/-0.287 χ^2/NDF: 1060264.6/26

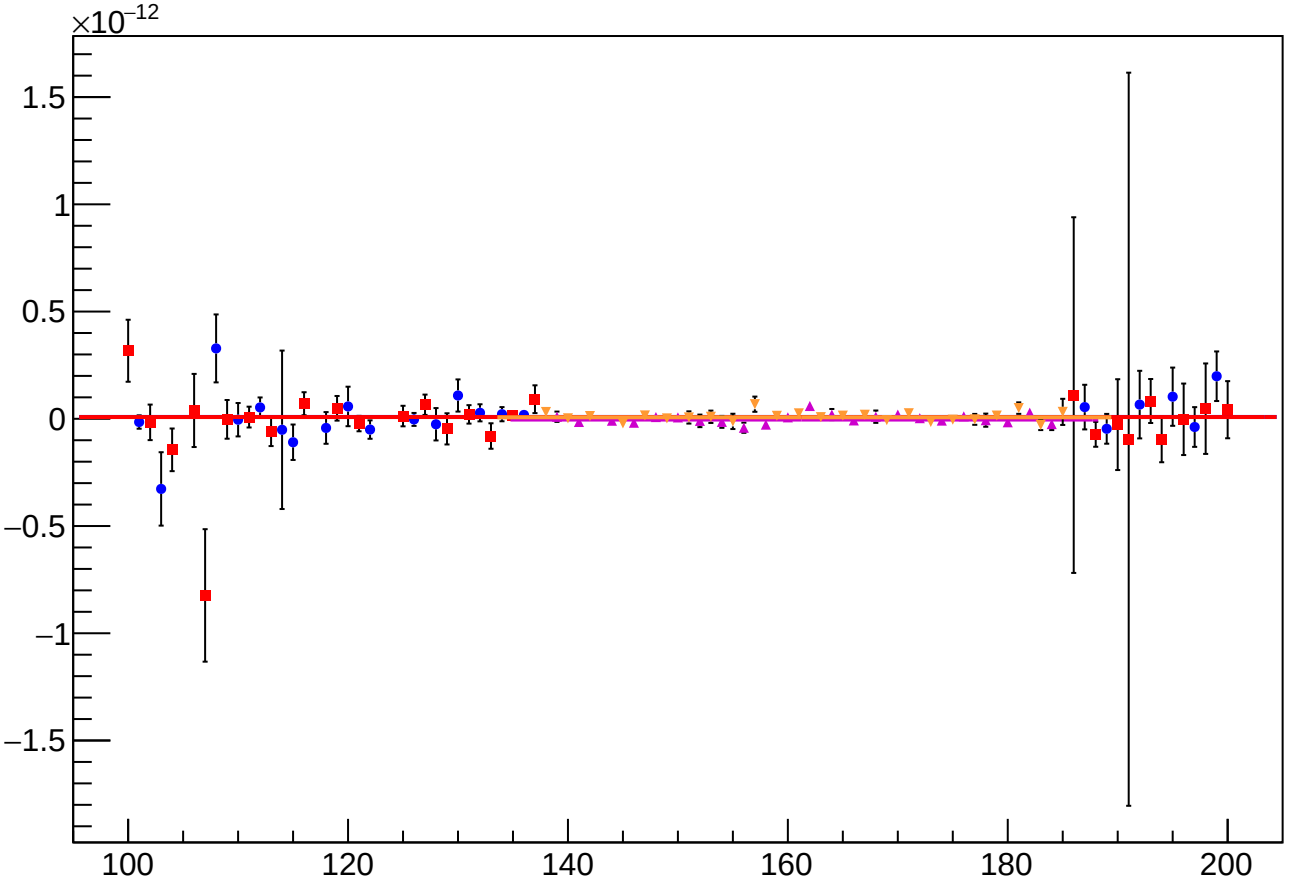
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1315.943+/-0.171 χ^2/NDF: 1013428.4/45

All: 1324.867+/-0.120 χ^2/NDF: 2404342.3/95

- sign 1333.582+/-0.169 χ^2/NDF: 1385536.9/49

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

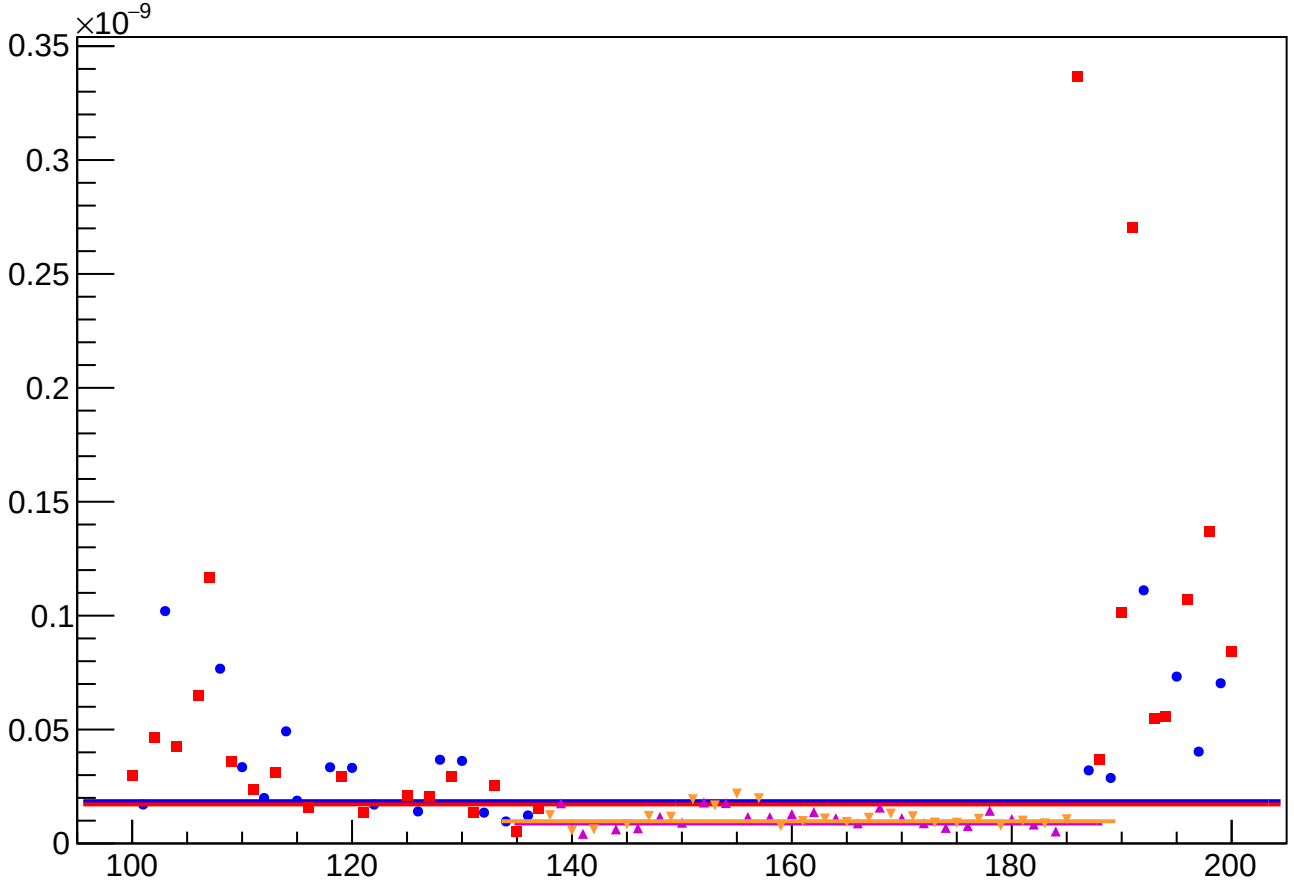
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/45

All: 0.000+/-0.000 χ^2/NDF: 96.3/95

- sign -0.000+/-0.000 χ^2/NDF: 51.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 3239640.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5550949.9/26

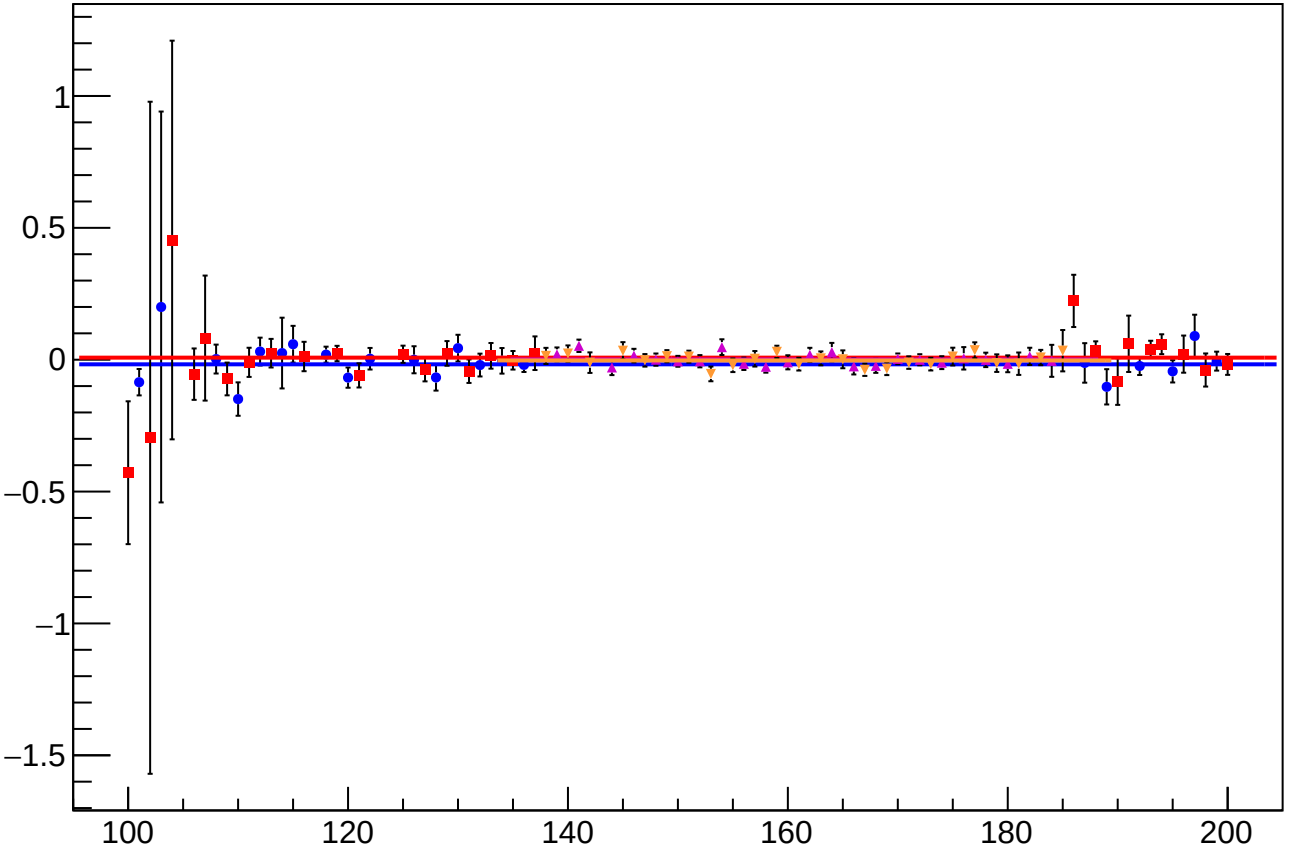
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5840679.2/45

All: 0.000+/-0.000 χ^2/NDF: 14605019.7/95

- sign 0.000+/-0.000 χ^2/NDF: 8665080.4/49

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/26

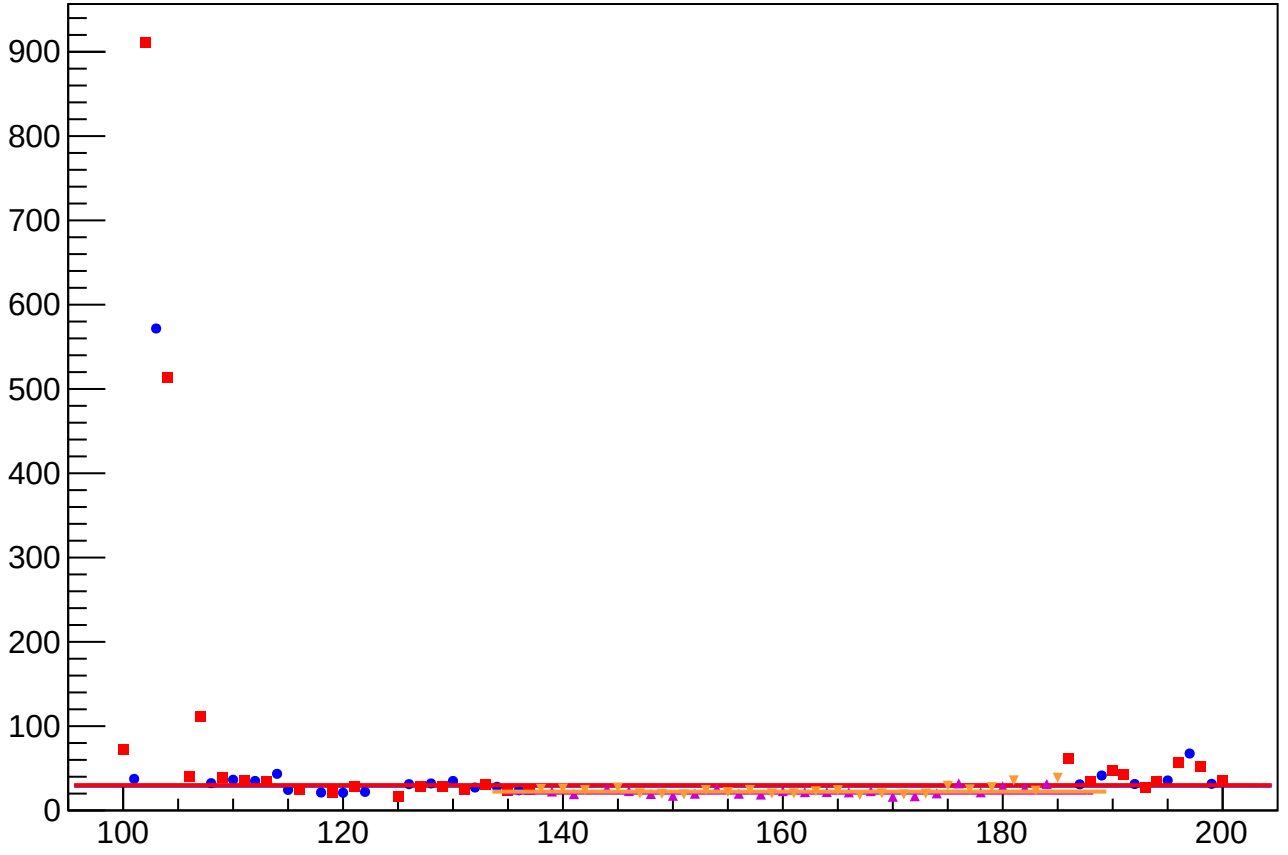
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.6/95

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

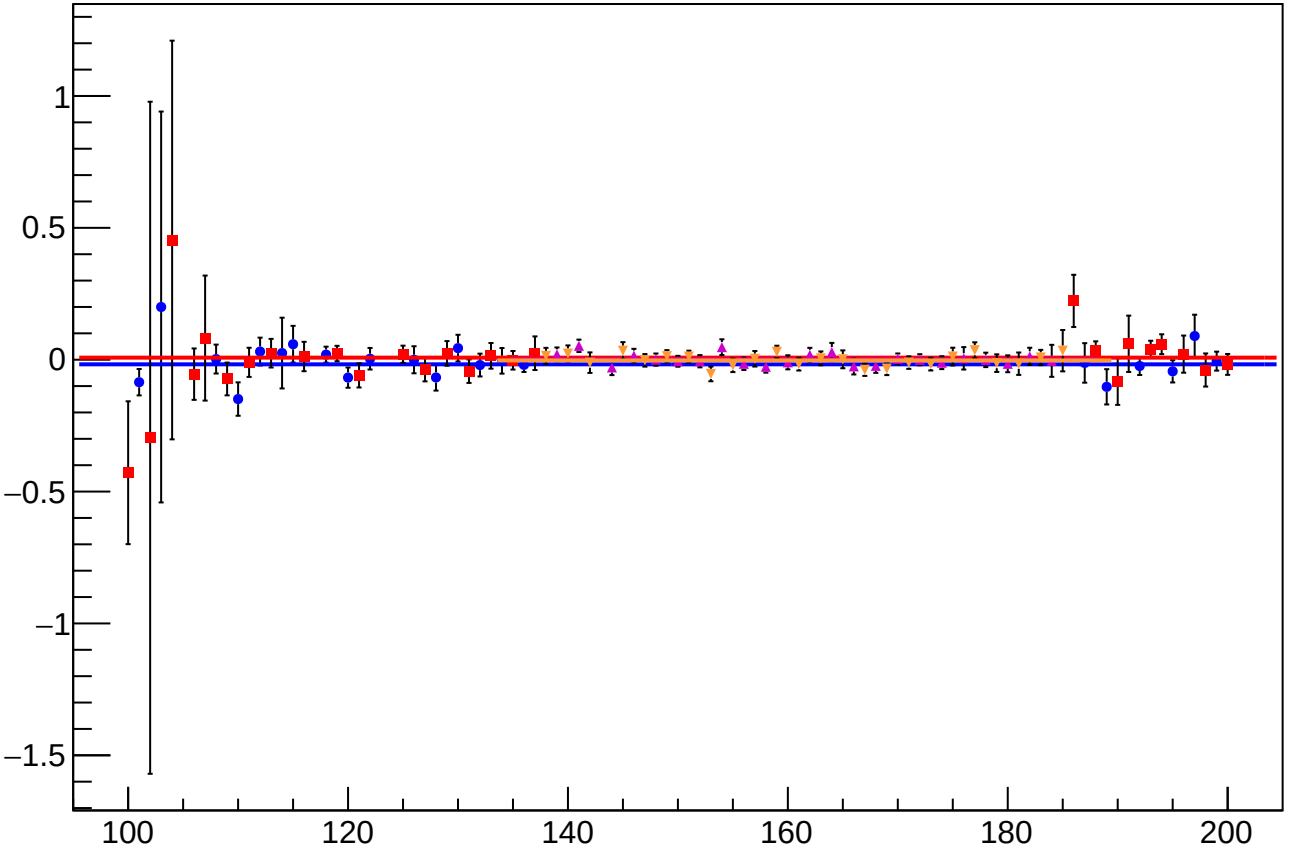
Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780798.0/45

All: 23.663+/-0.002 χ^2/NDF: 9671503.5/95

- sign 23.252+/-0.003 χ^2/NDF: 5859684.6/49

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

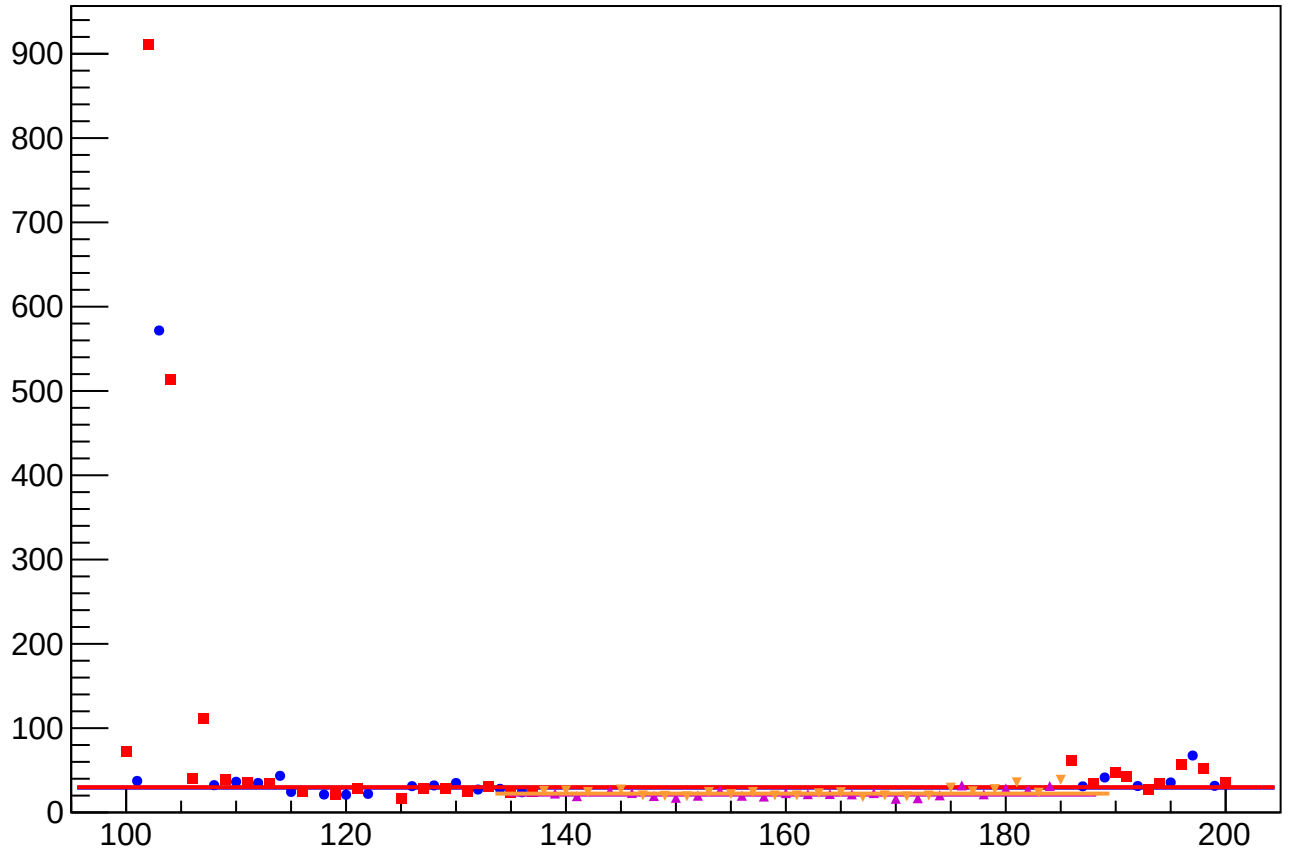
Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/26

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.6/95

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

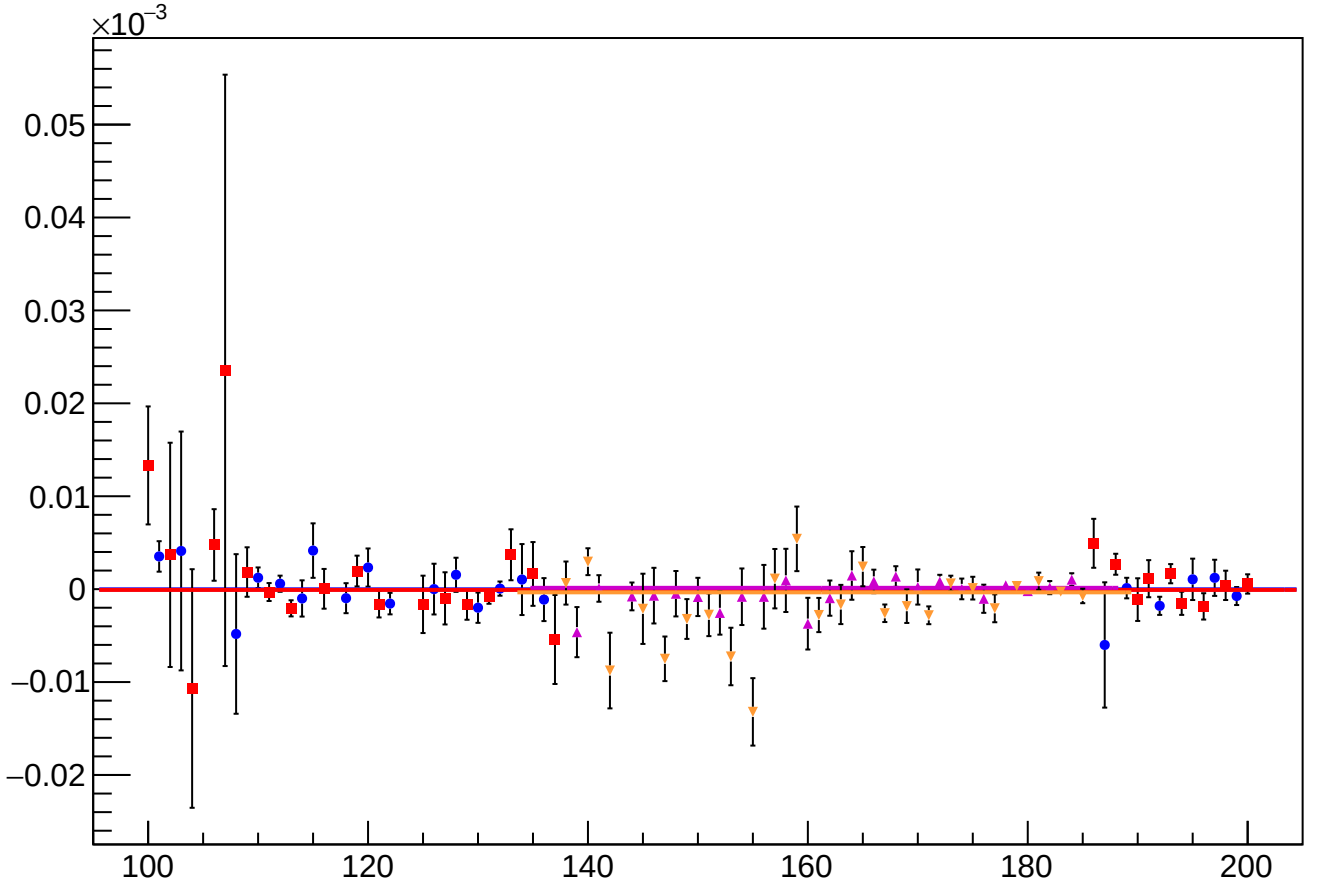
Right Out: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780798.0/45

All: 23.663+/-0.002 χ^2/NDF: 9671503.5/95

- sign 23.252+/-0.003 χ^2/NDF: 5859684.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/26

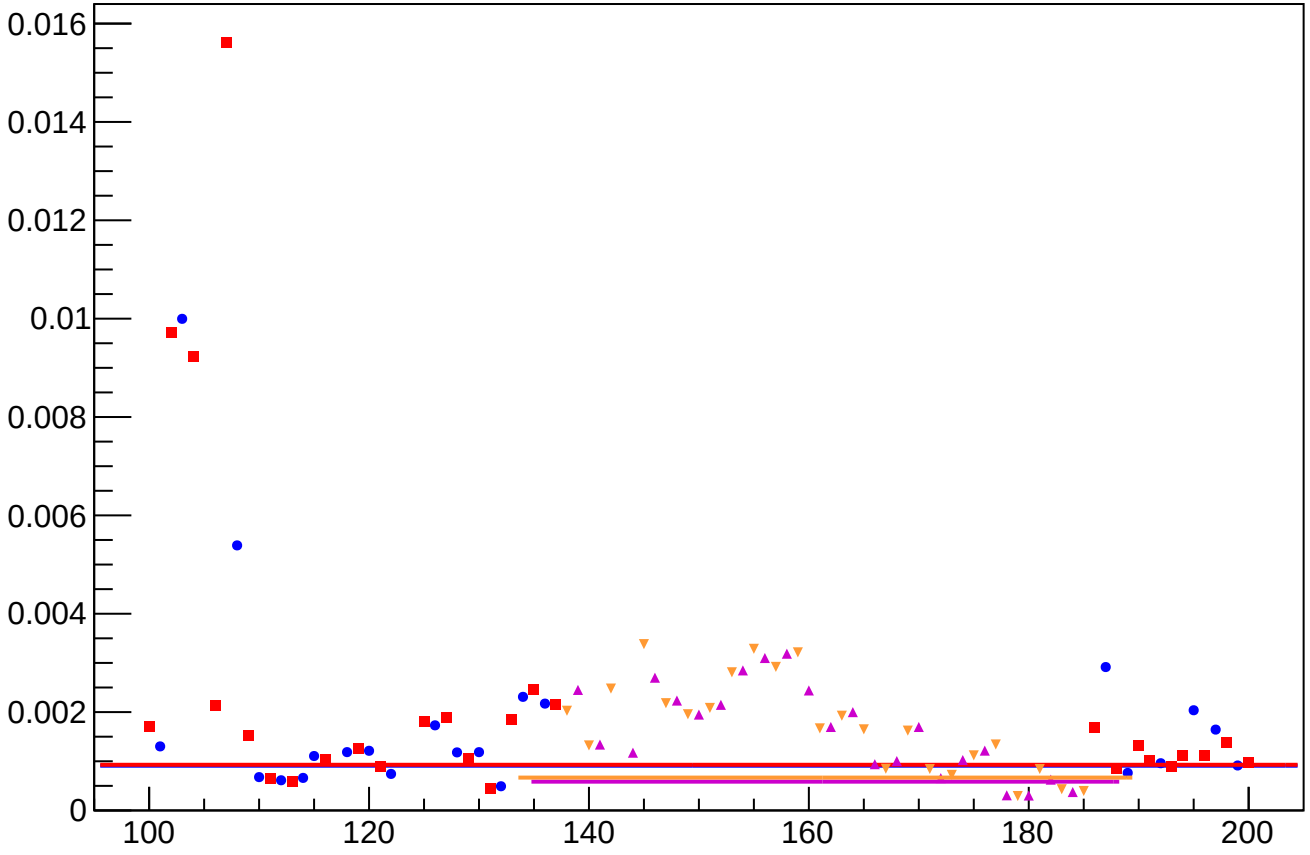
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.2/45

All: -0.000+/-0.000 χ^2/NDF: 143.5/95

- sign 0.000+/-0.000 χ^2/NDF: 52.4/49

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4924672.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

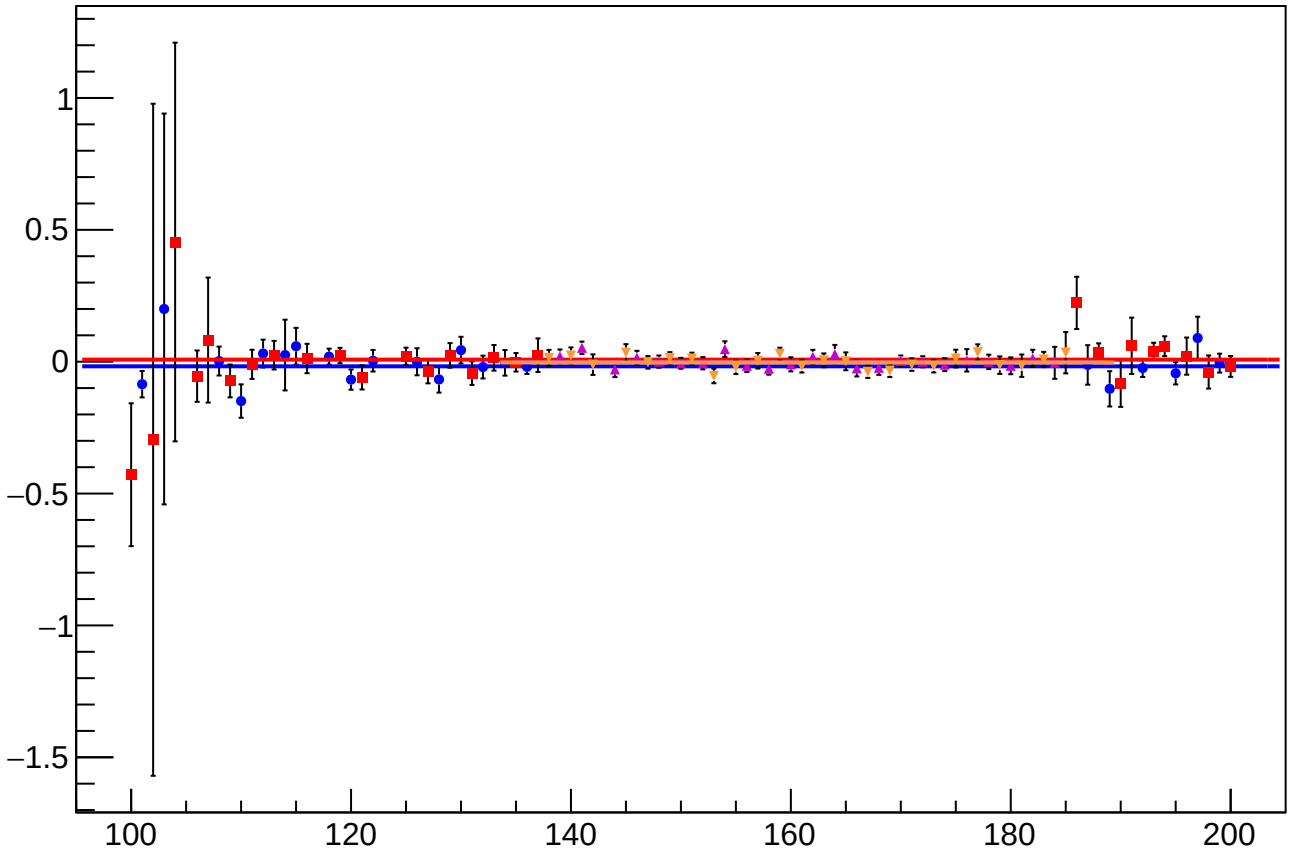
Right Out: 0.001+/-0.000 χ^2/NDF: 5617510.9/26

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21151640.8/45

All: 0.001+/-0.000 χ^2/NDF: 44435590.8/95

- sign 0.001+/-0.000 χ^2/NDF: 23148554.8/49



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.008+/-0.010 χ^2/NDF: 20.9/26

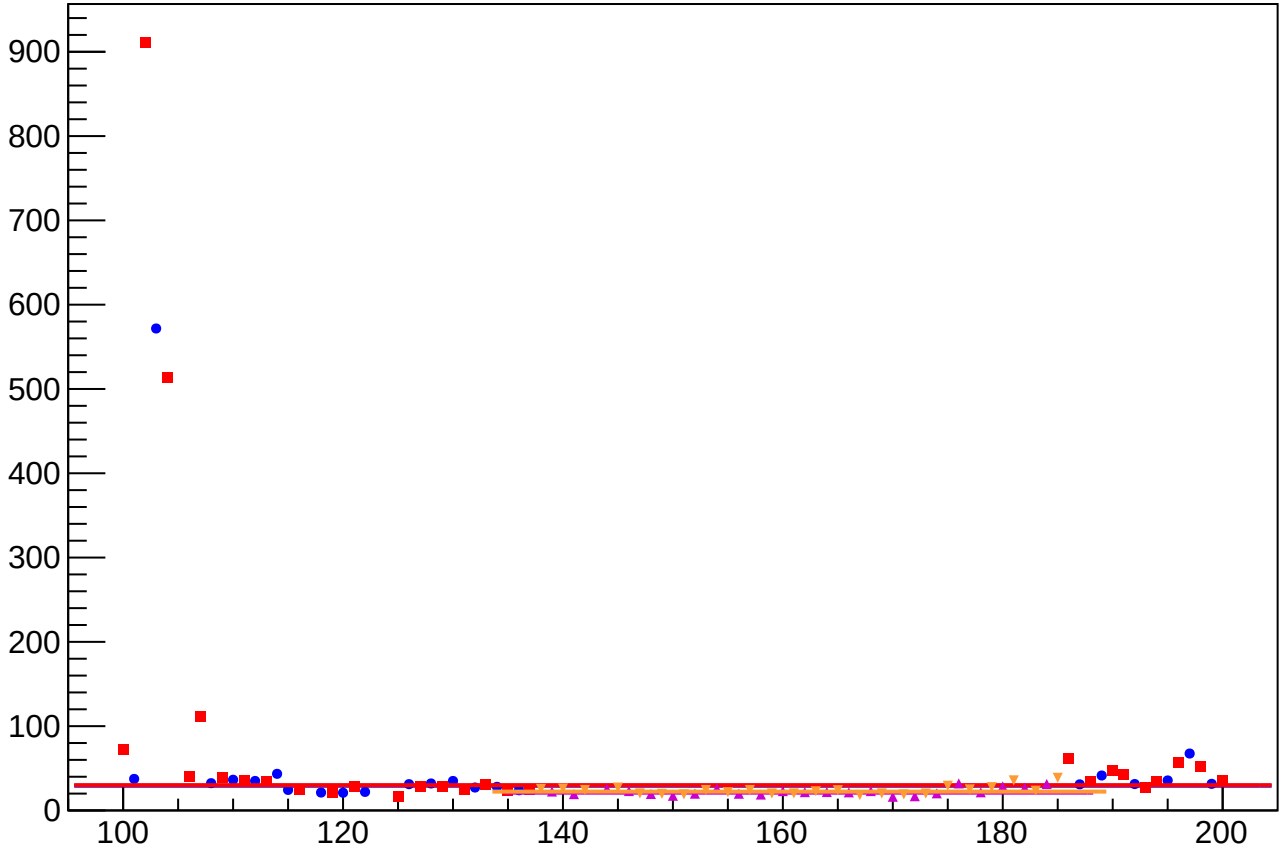
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.6/95

\- sign 0.002+/-0.005 χ^2/NDF: 36.3/49

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

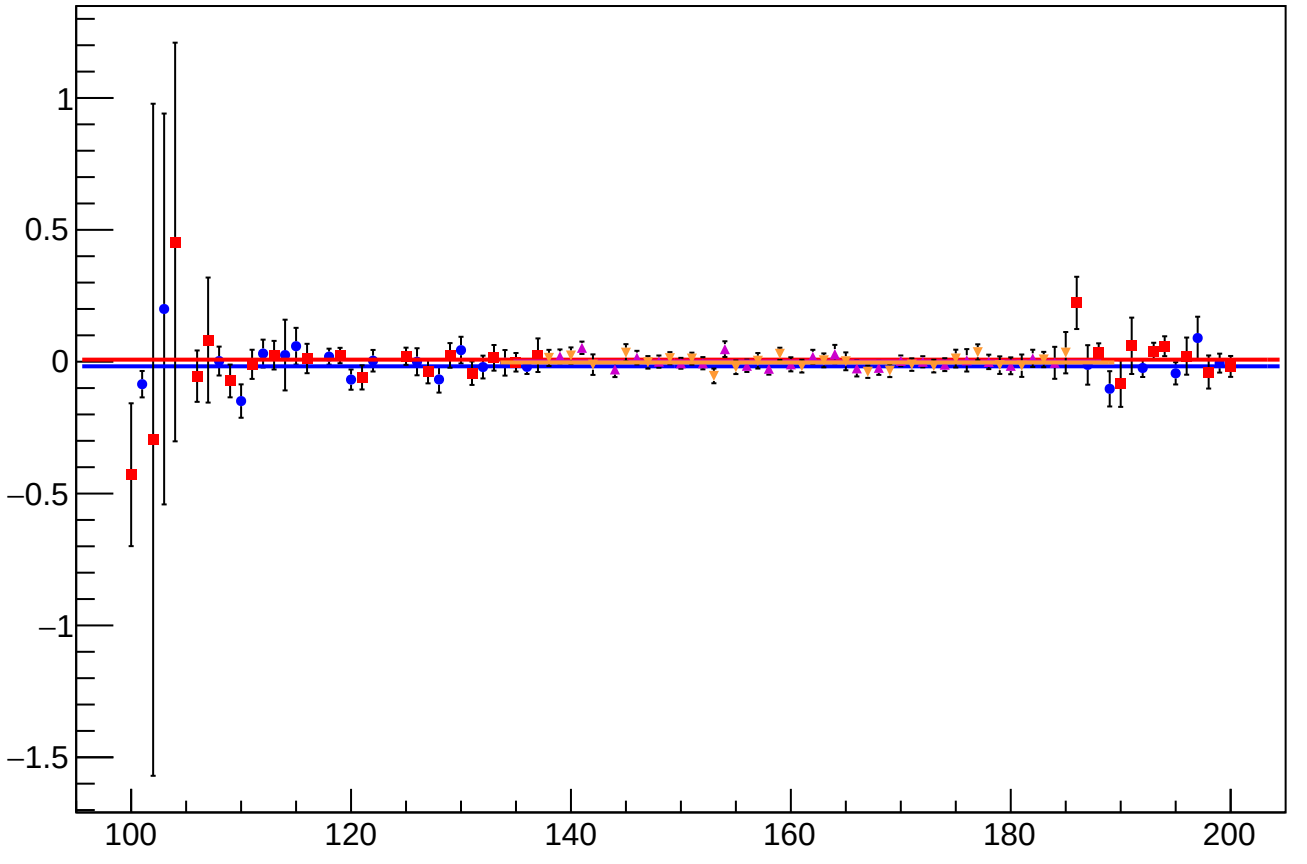
Right Out: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.105+/-0.003 χ^2/NDF: 3780786.7/45

All: 23.663+/-0.002 χ^2/NDF: 9671528.2/95

\- sign 23.252+/-0.003 χ^2/NDF: 5859721.9/49



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

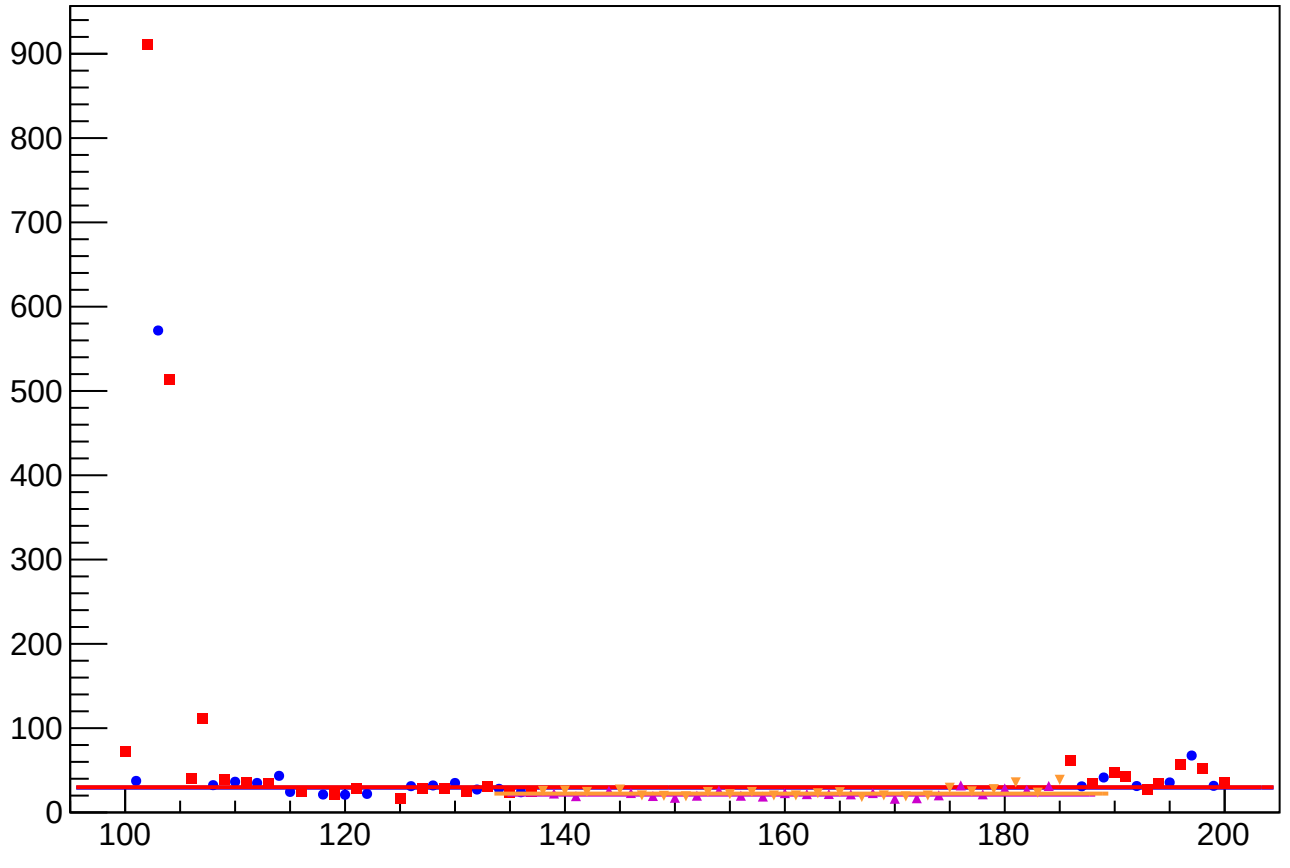
Right Out: 0.008+/-0.010 χ^2/NDF: 20.9/26

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.6/95

\- sign 0.002+/-0.005 χ^2/NDF: 36.3/49



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

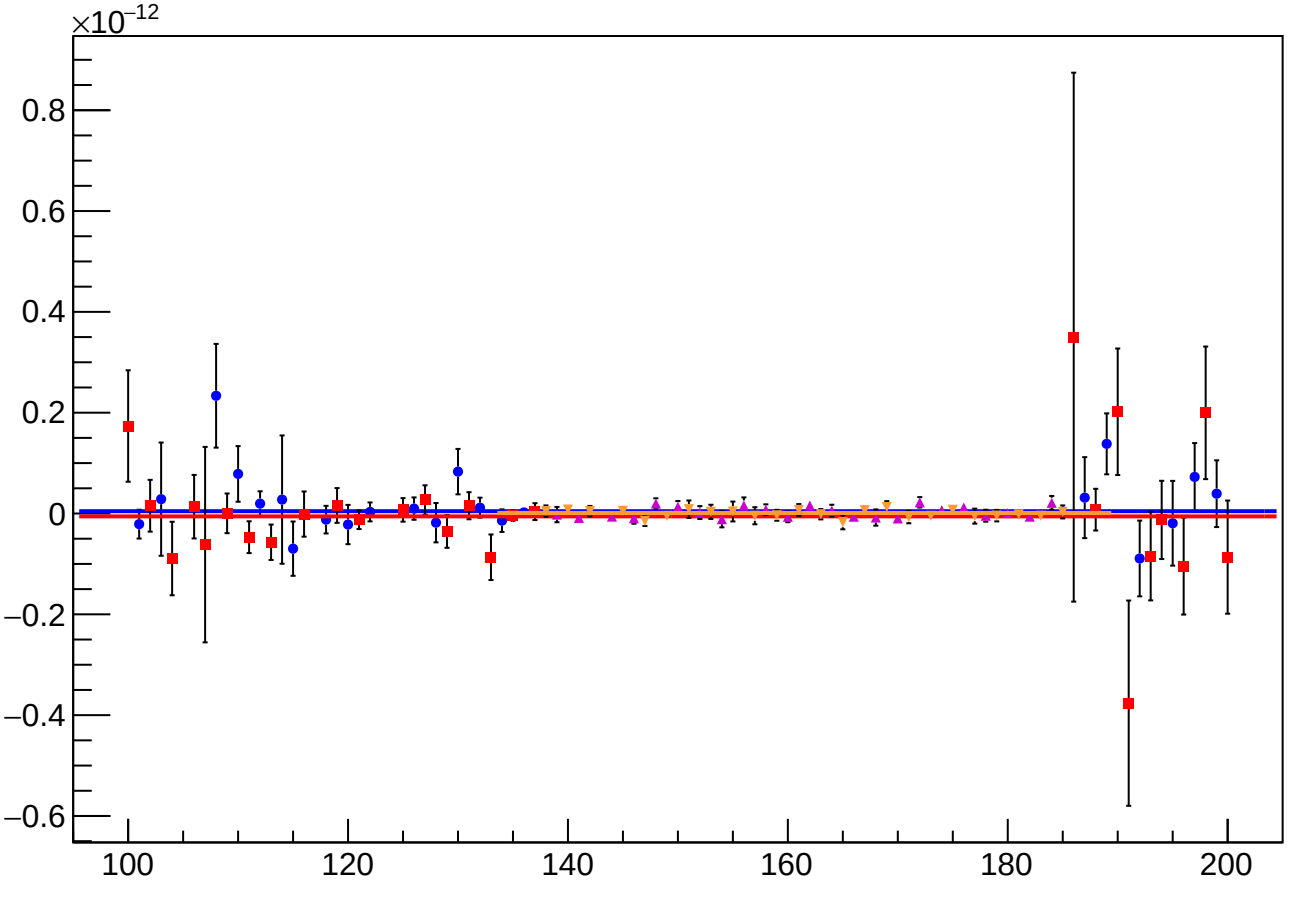
Right Out: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780786.7/45

All: 23.663+/-0.002 χ^2/NDF: 9671528.2/95

- sign 23.252+/-0.003 χ^2/NDF: 5859721.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

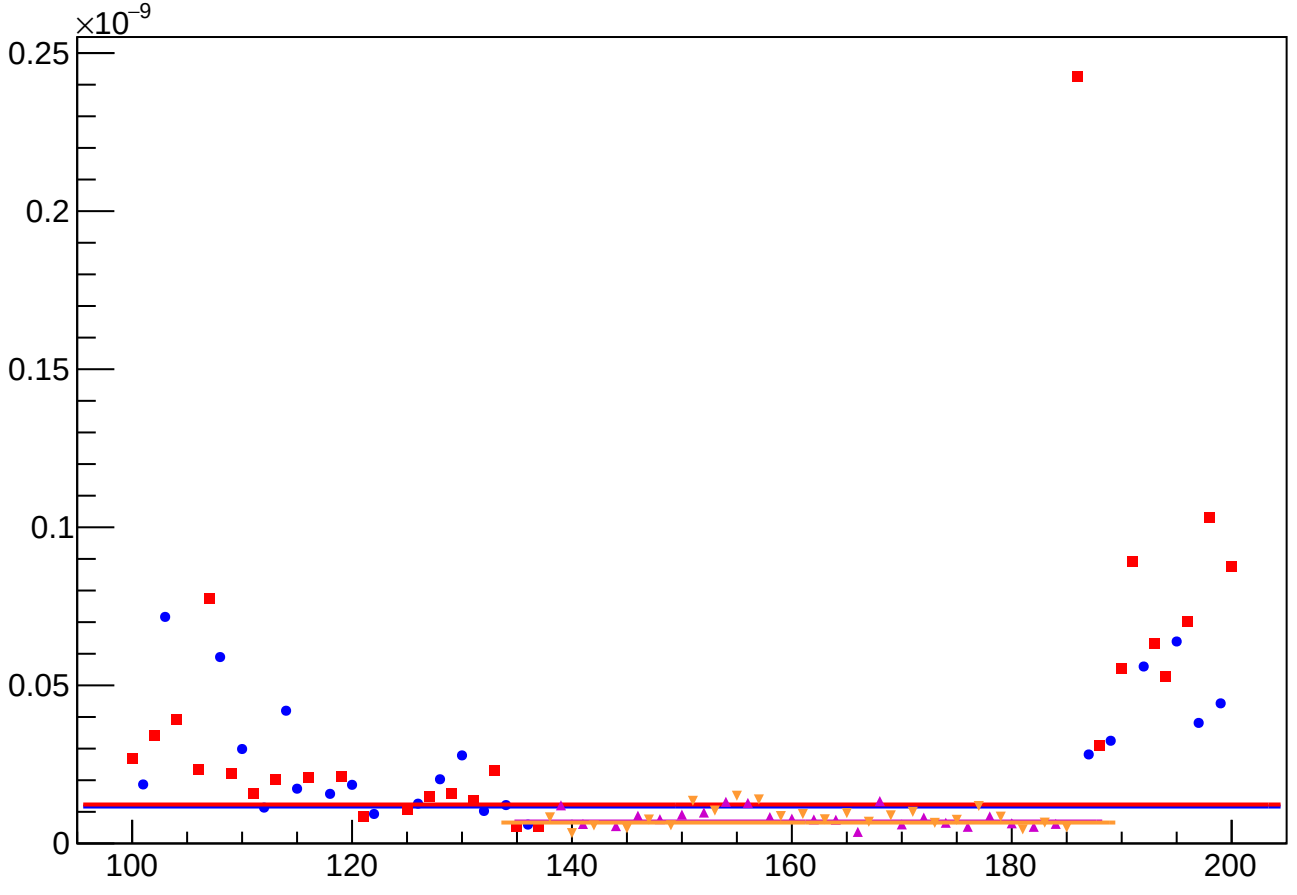
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/45

All: 0.000+/-0.000 χ^2/NDF: 88.7/95

- sign 0.000+/-0.000 χ^2/NDF: 53.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5467740.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8041623.1/26

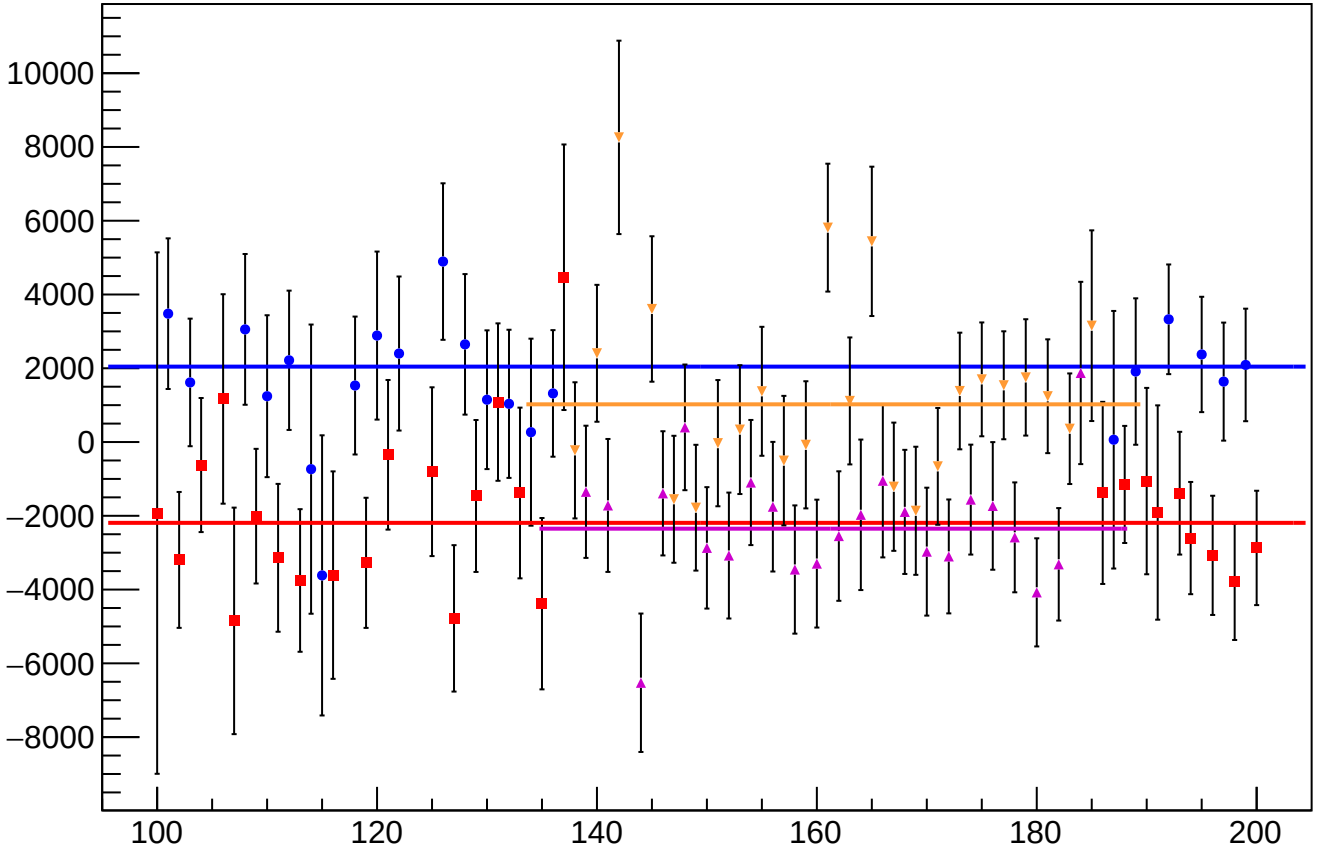
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10364190.4/45

All: 0.000+/-0.000 χ^2/NDF: 22215056.9/95

- sign 0.000+/-0.000 χ^2/NDF: 11820228.6/49

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.525+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2191.052+/-391.167 χ^2/NDF: 17.1/26

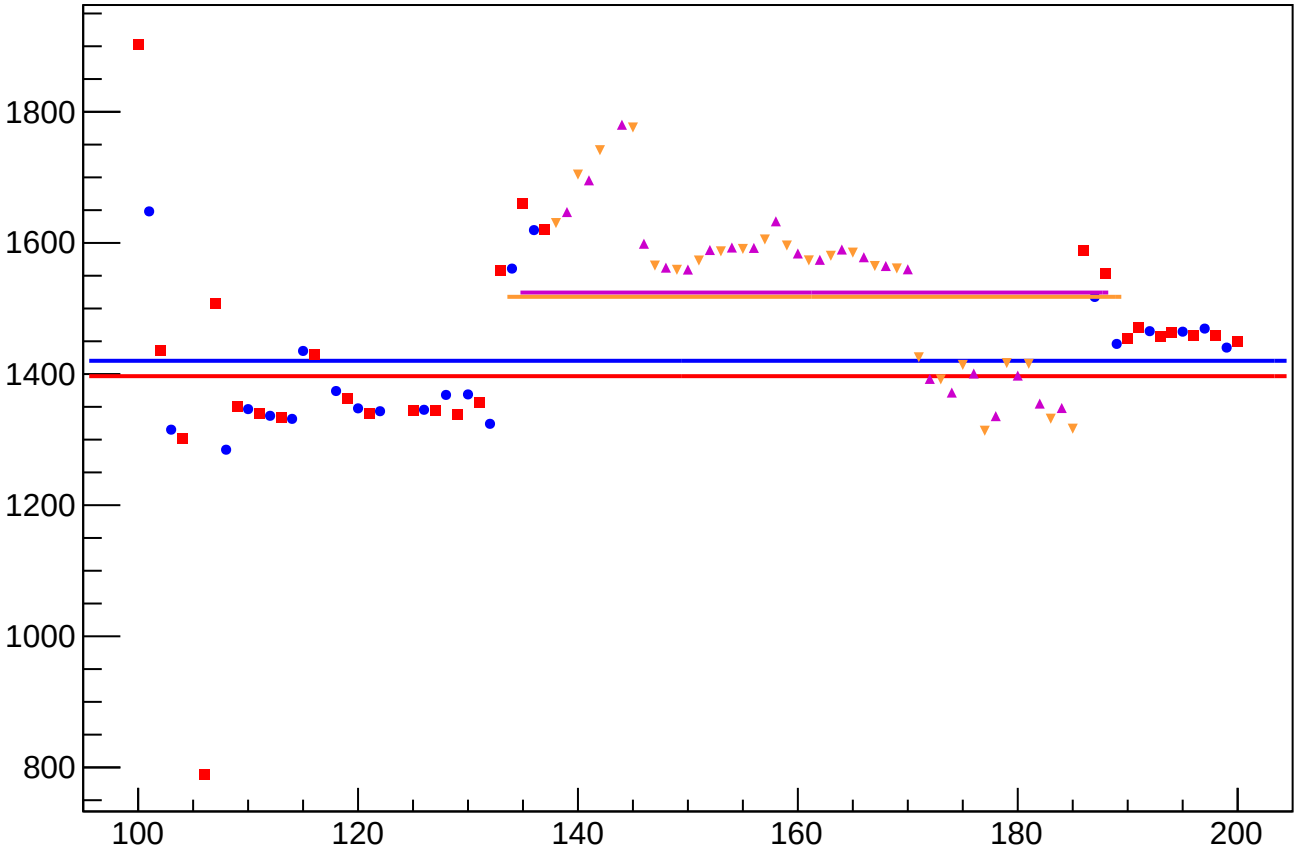
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.985+/-270.280 χ^2/NDF: 48.1/45

All: -460.922+/-188.754 χ^2/NDF: 178.5/95

- sign -2277.312+/-263.718 χ^2/NDF: 33.2/49

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.0/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

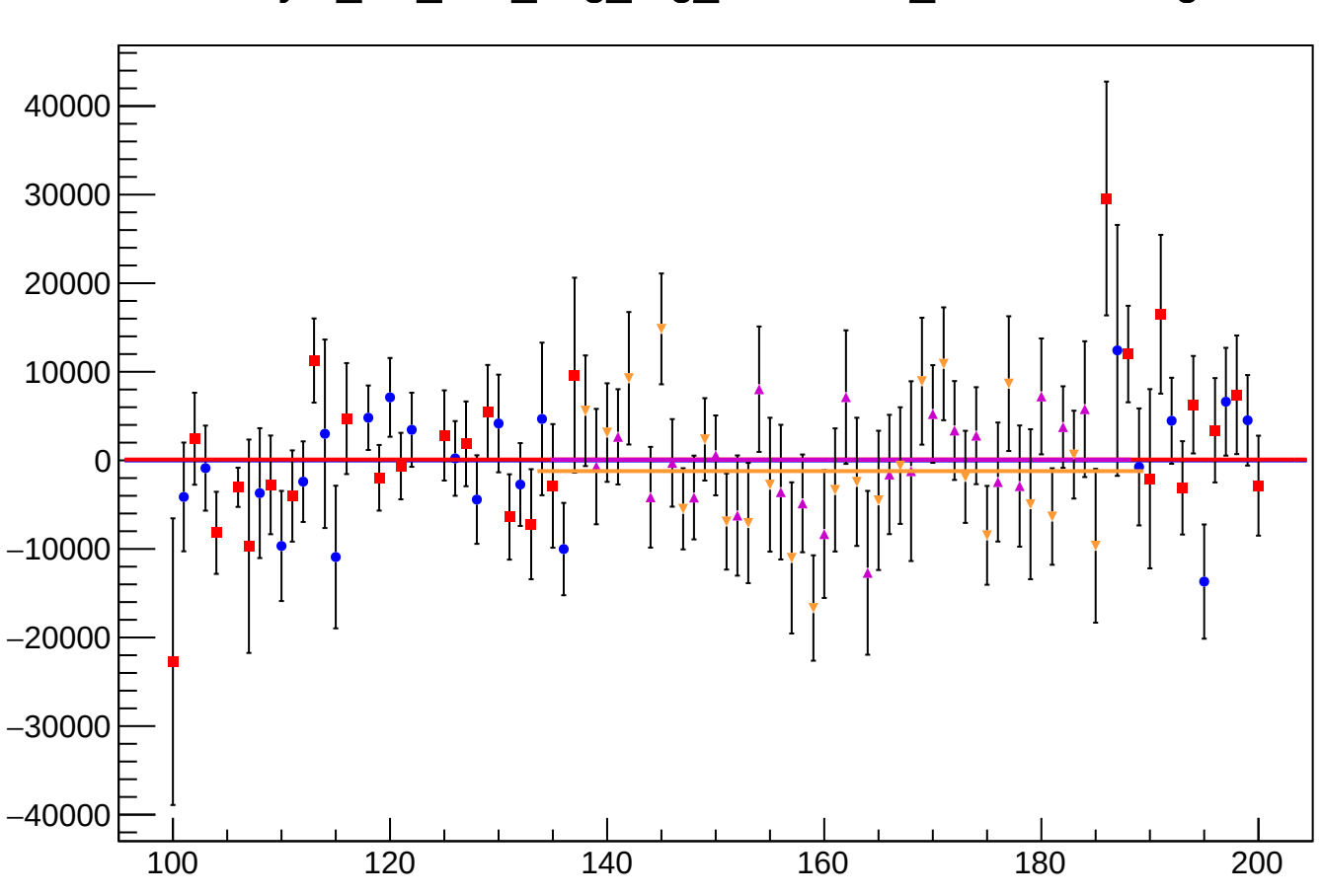
Right Out: 1396.789+/-0.272 χ^2/NDF: 393807.6/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.3/45

All: 1471.044+/-0.133 χ^2/NDF: 1140804.7/95

- sign 1465.194+/-0.185 χ^2/NDF: 736393.6/49



Right In: -7.141+/-1150.760 χ^2/NDF: 24.1/21

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 92.963+/-994.731 χ^2/NDF: 37.5/26

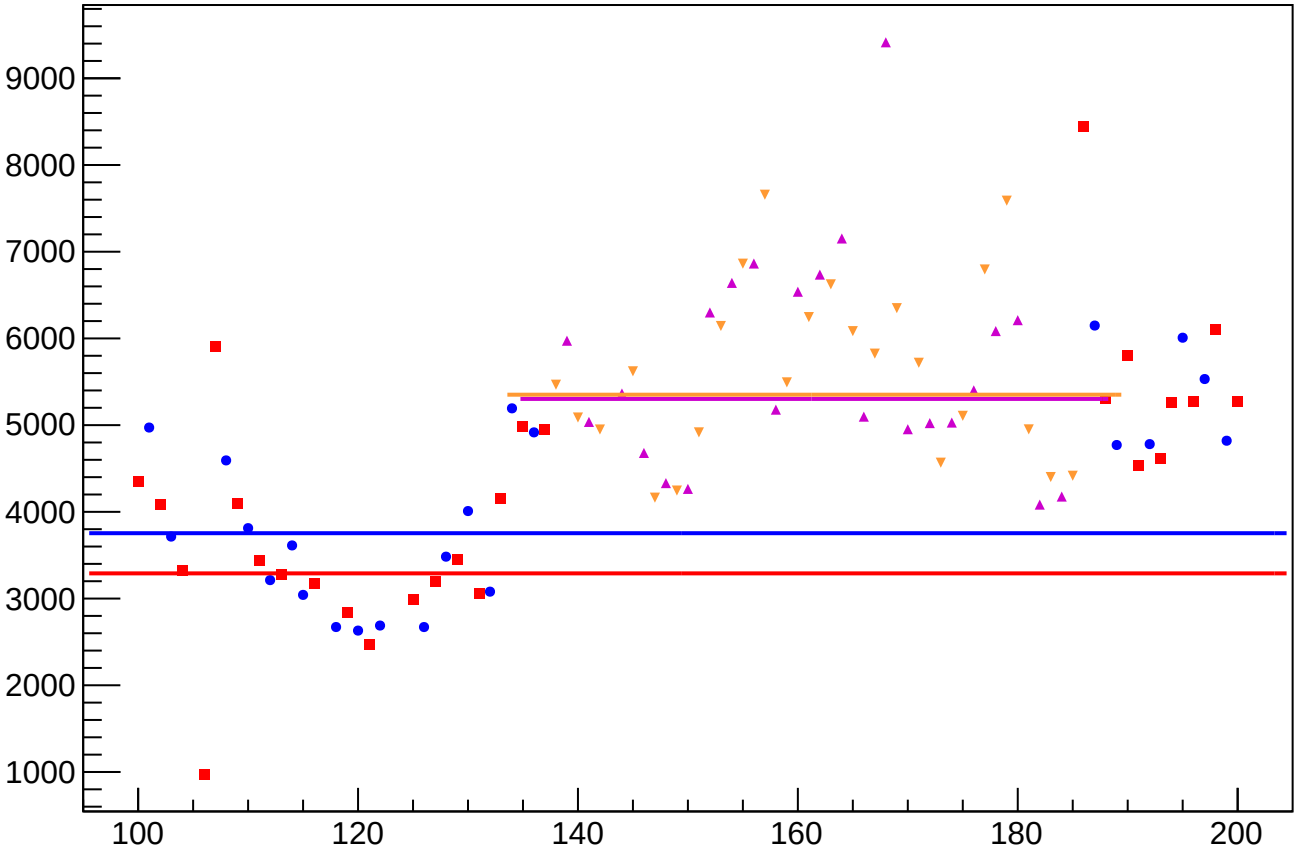
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -551.110+/-852.247 χ^2/NDF: 57.9/45

All: -203.877+/-576.104 χ^2/NDF: 108.9/95

- sign 88.305+/-781.775 χ^2/NDF: 50.7/49

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3753.824+/-0.814 χ^2/NDF: 1619105.6/21

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3290.504+/-0.703 χ^2/NDF: 4682195.5/26

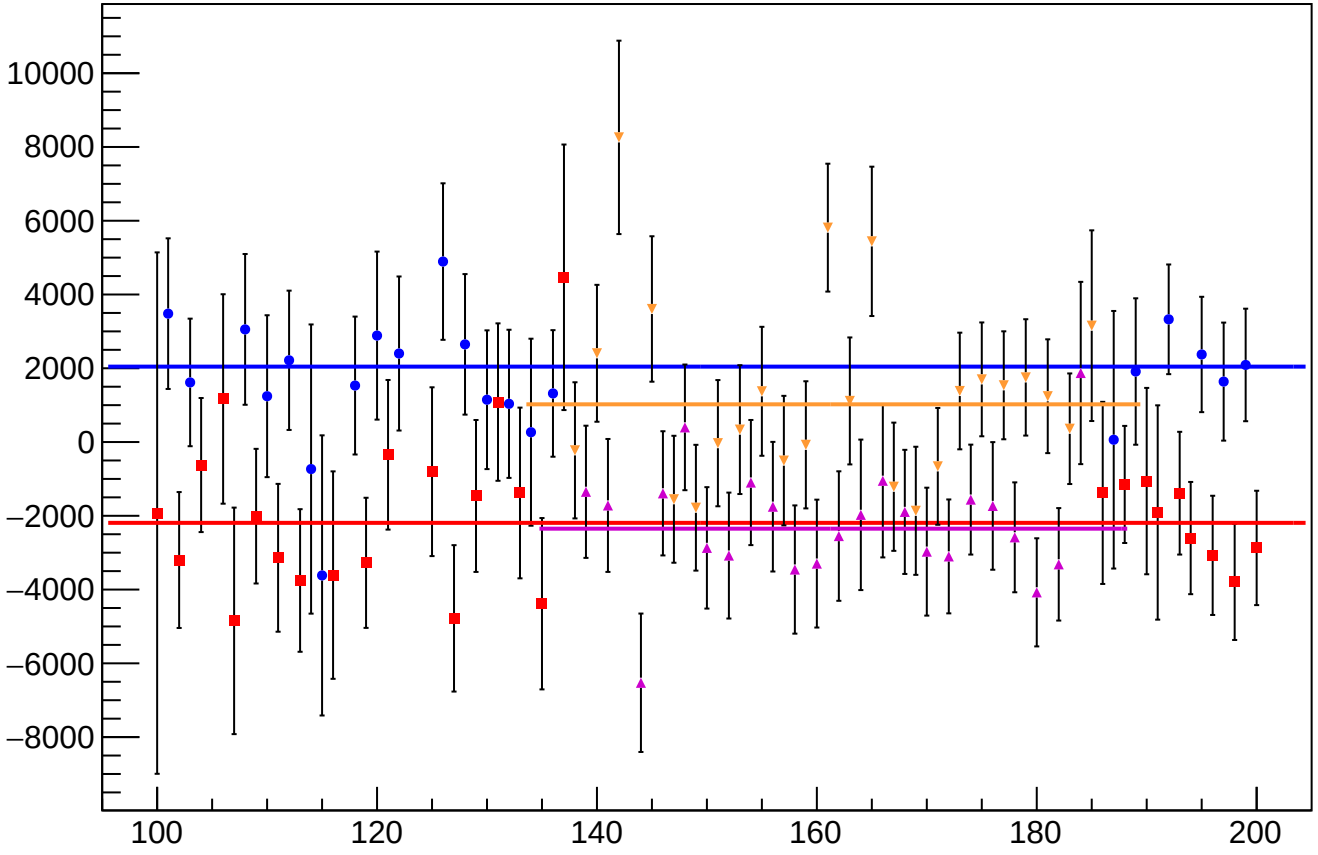
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4475.037+/-0.603 χ^2/NDF: 4424996.6/45

All: 4249.458+/-0.407 χ^2/NDF: 13748911.6/9

- sign 4059.642+/-0.553 χ^2/NDF: 9065891.2/49

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2191.175+/-391.169 χ^2/NDF: 17.1/26

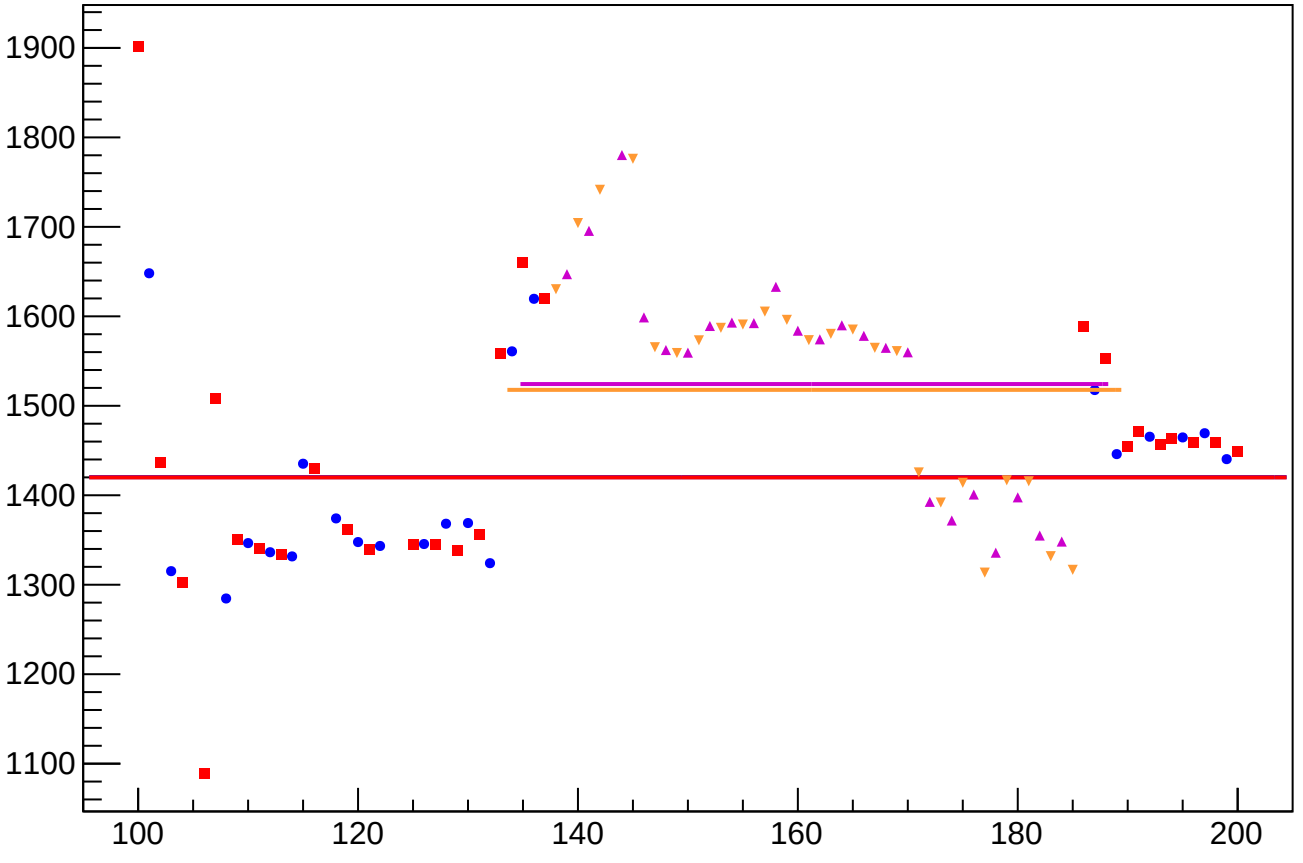
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1447.015+/-270.280 χ^2/NDF: 48.1/45

All: -460.932+/-188.754 χ^2/NDF: 178.5/95

- sign -2277.367+/-263.718 χ^2/NDF: 33.2/49

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

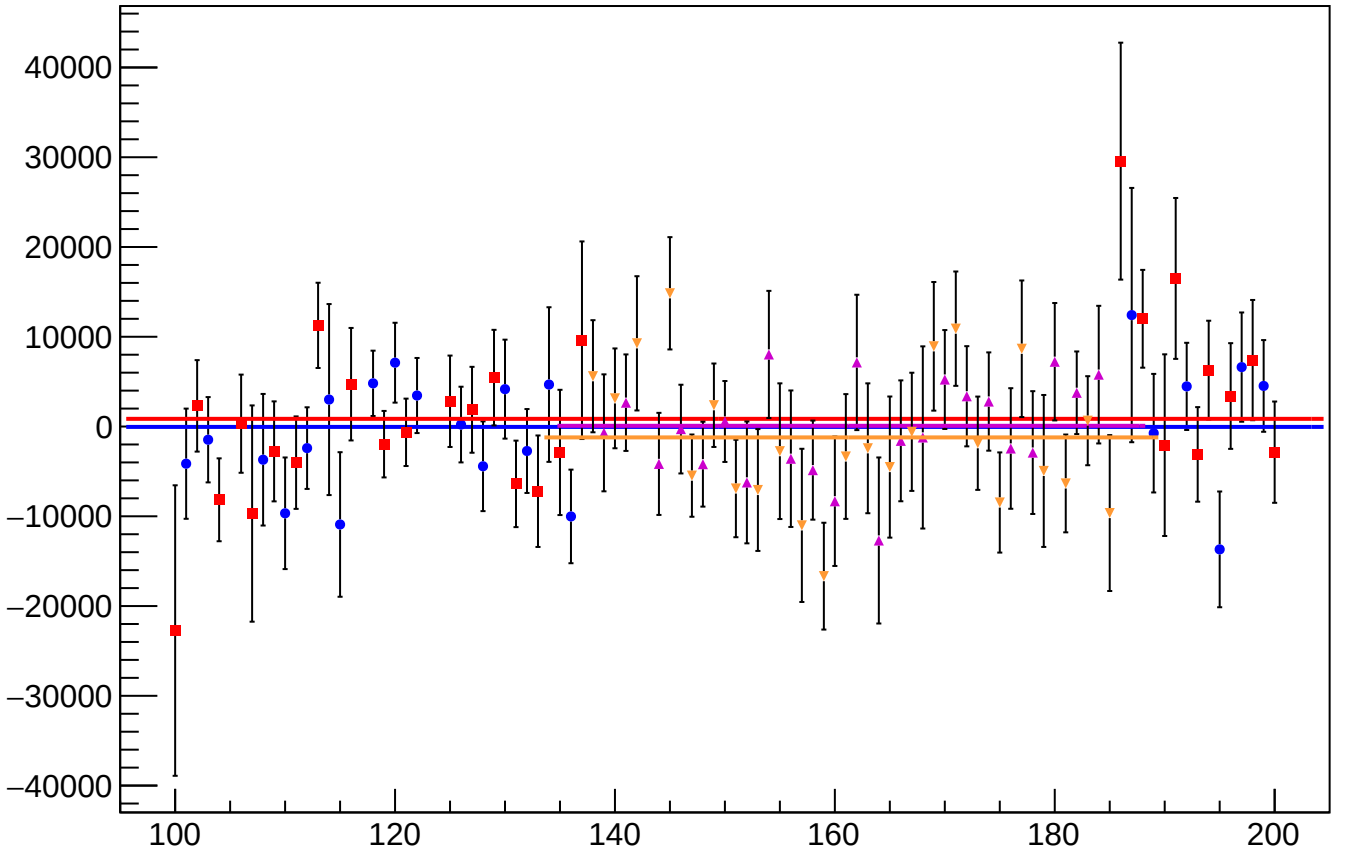
Right Out: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.4/45

All: 1476.879+/-0.133 χ^2/NDF: 863743.2/95

- sign 1476.488+/-0.186 χ^2/NDF: 461392.7/49



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 856.467+/-1089.897 χ^2/NDF: 35.0/26

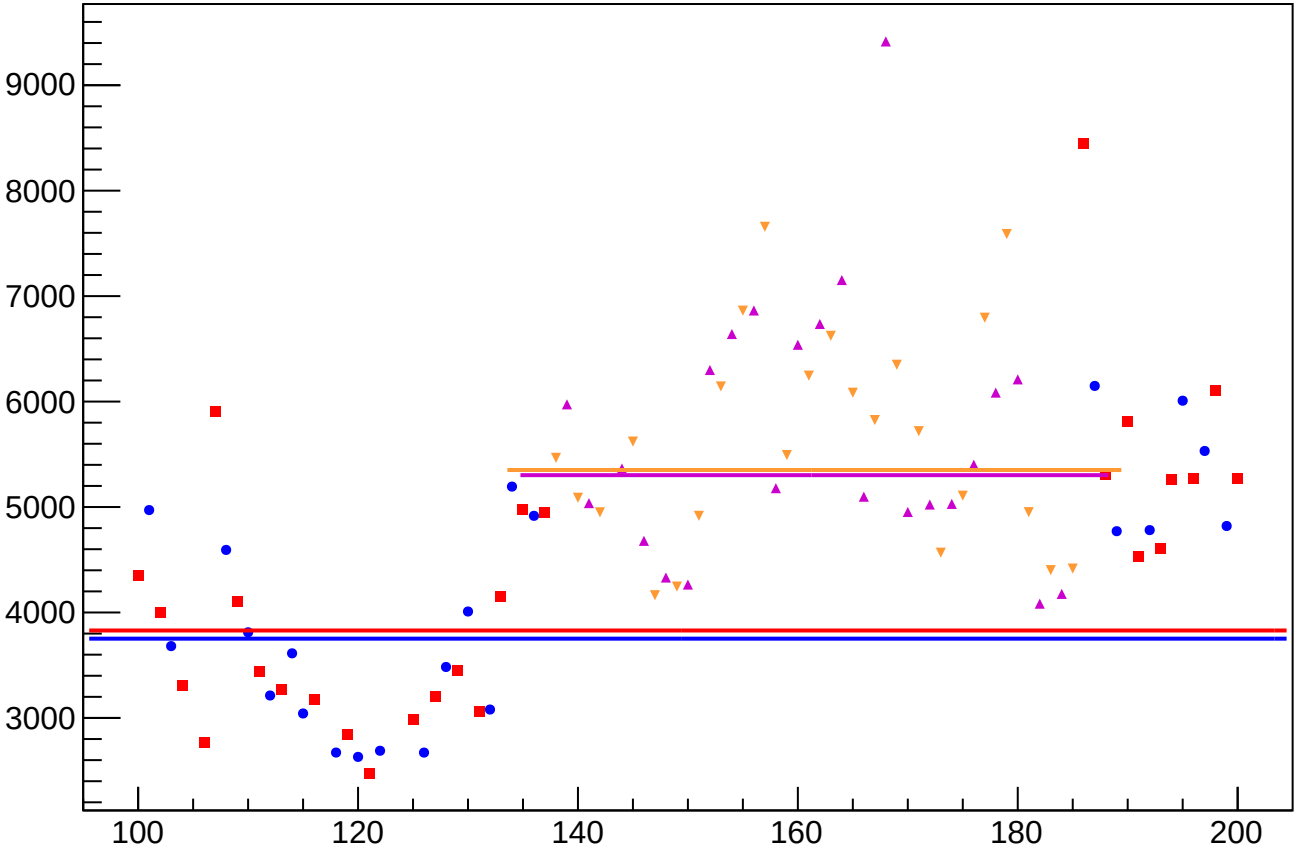
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -570.691+/-851.967 χ^2/NDF: 57.9/45

All: -5.187+/-592.857 χ^2/NDF: 107.2/95

- sign 525.743+/-825.511 χ^2/NDF: 48.4/49

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3829.334+/-0.771 χ^2/NDF: 2005374.7/26

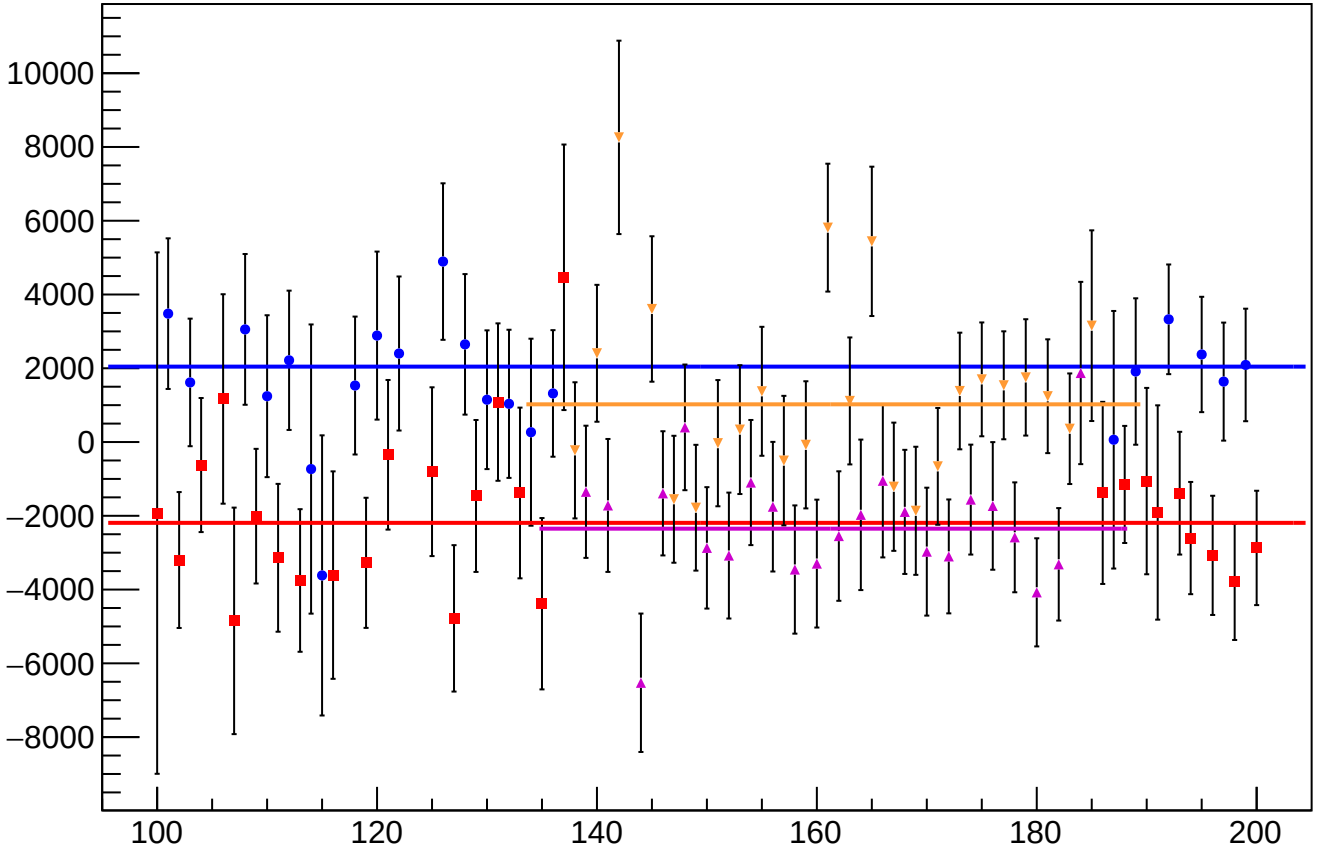
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4473.450+/-0.602 χ^2/NDF: 4430600.9/45

All: 4465.082+/-0.419 χ^2/NDF: 9249716.3/95

- sign 4457.226+/-0.584 χ^2/NDF: 4818741.4/49

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2191.175+/-391.169 χ^2/NDF: 17.1/26

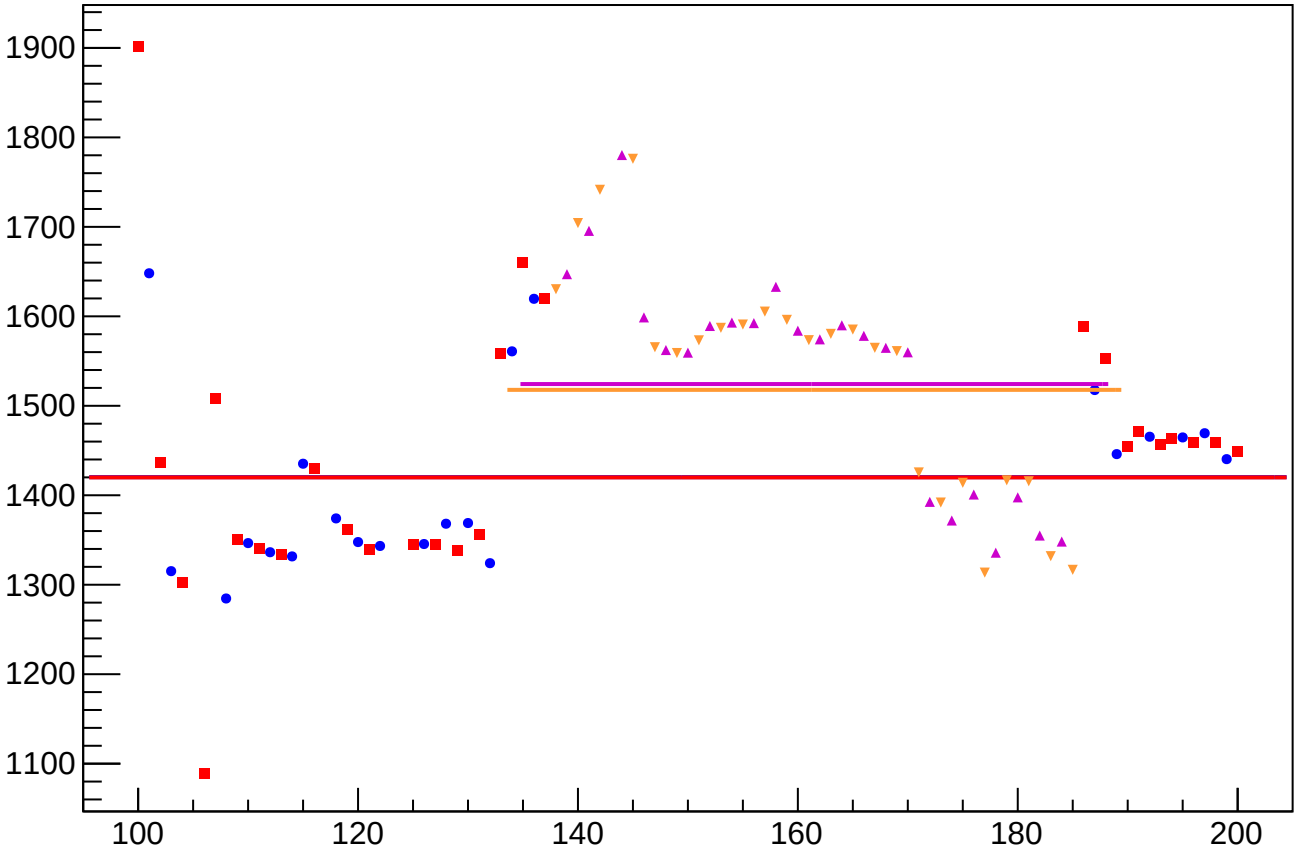
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1447.015+/-270.280 χ^2/NDF: 48.1/45

All: -460.932+/-188.754 χ^2/NDF: 178.5/95

- sign -2277.367+/-263.718 χ^2/NDF: 33.2/49

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

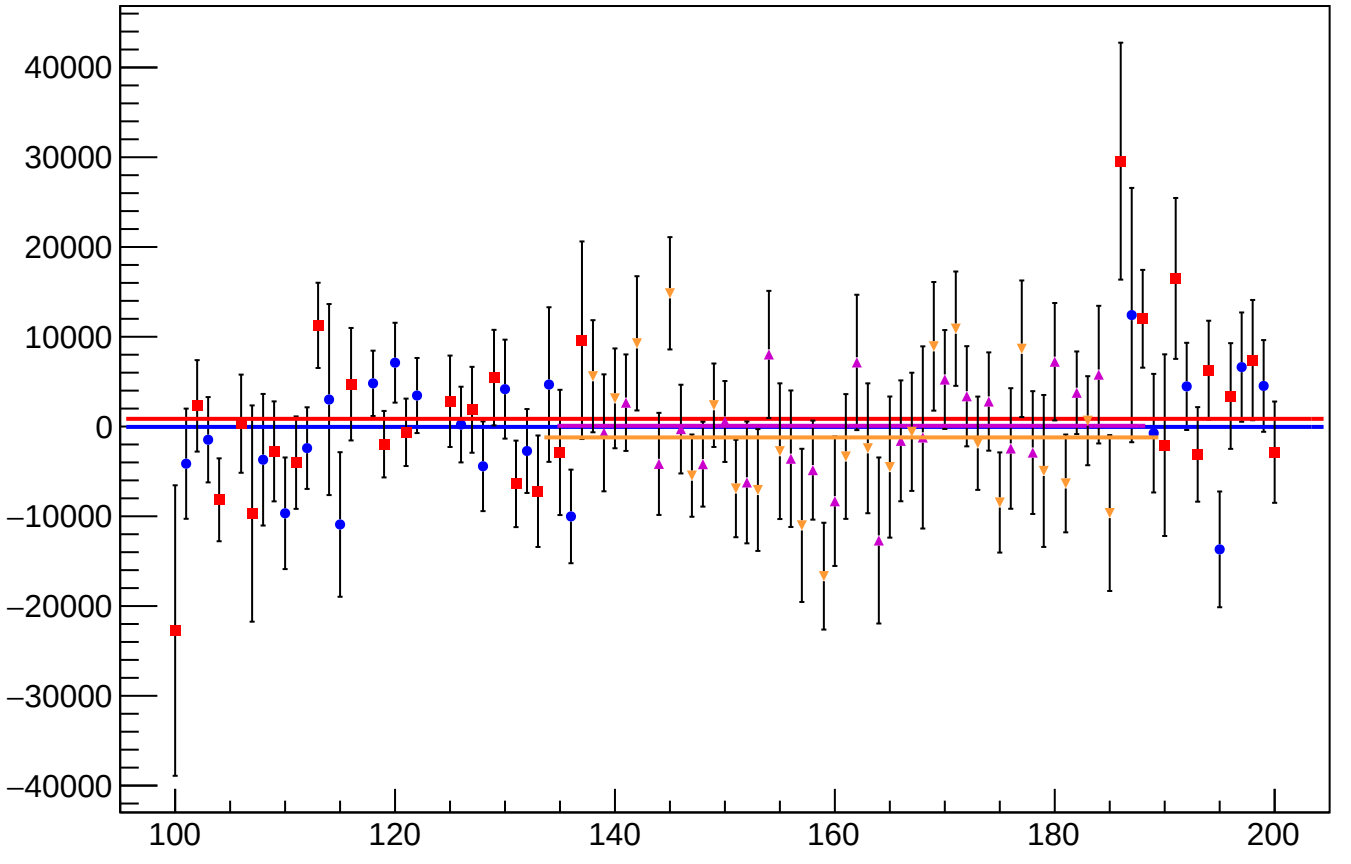
Right Out: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.4/45

All: 1476.879+/-0.133 χ^2/NDF: 863743.2/95

- sign 1476.488+/-0.186 χ^2/NDF: 461392.7/49



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

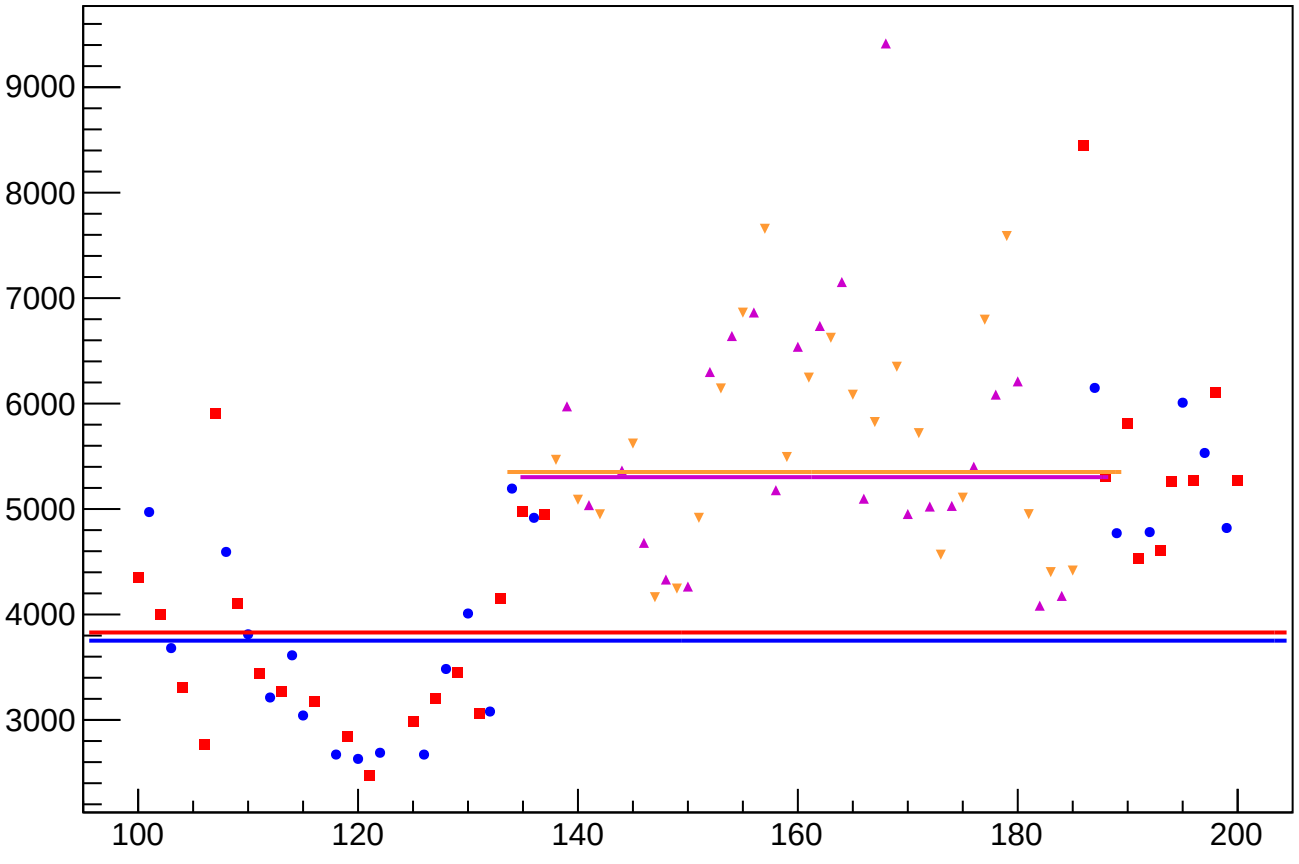
Right Out: 856.467+/-1089.897 χ^2/NDF: 35.0/26

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

\+ sign -570.691+/-851.967 χ^2/NDF: 57.9/45

All: -5.187+/-592.857 χ^2/NDF: 107.2/95

\- sign 525.743+/-825.511 χ^2/NDF: 48.4/49



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3829.334+/-0.771 χ^2/NDF: 2005374.7/26

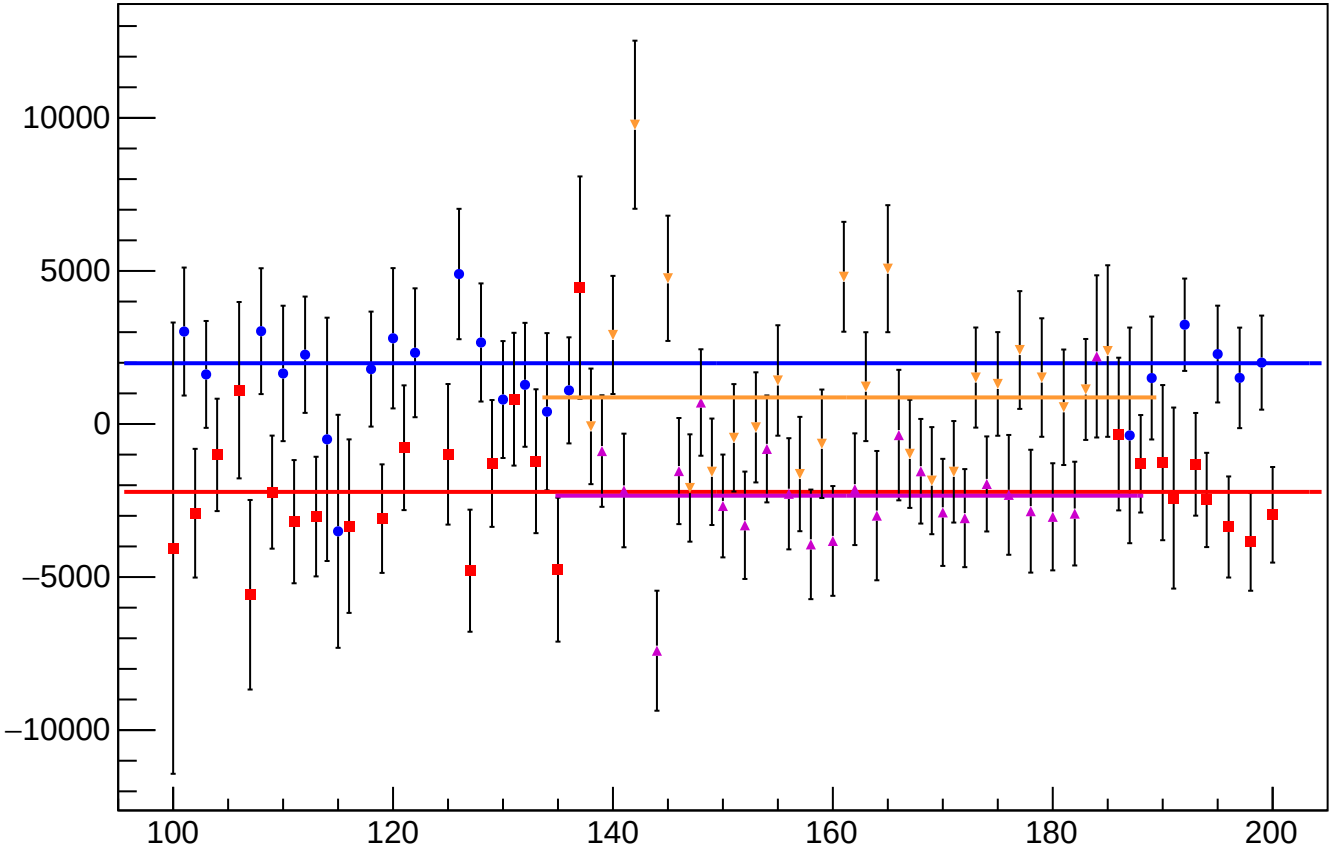
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4473.450+/-0.602 χ^2/NDF: 4430600.9/45

All: 4465.082+/-0.419 χ^2/NDF: 9249716.3/95

- sign 4457.226+/-0.584 χ^2/NDF: 4818741.4/49

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1985.253+/-424.041 χ^2/NDF: 7.7/21

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2217.951+/-396.903 χ^2/NDF: 16.4/26

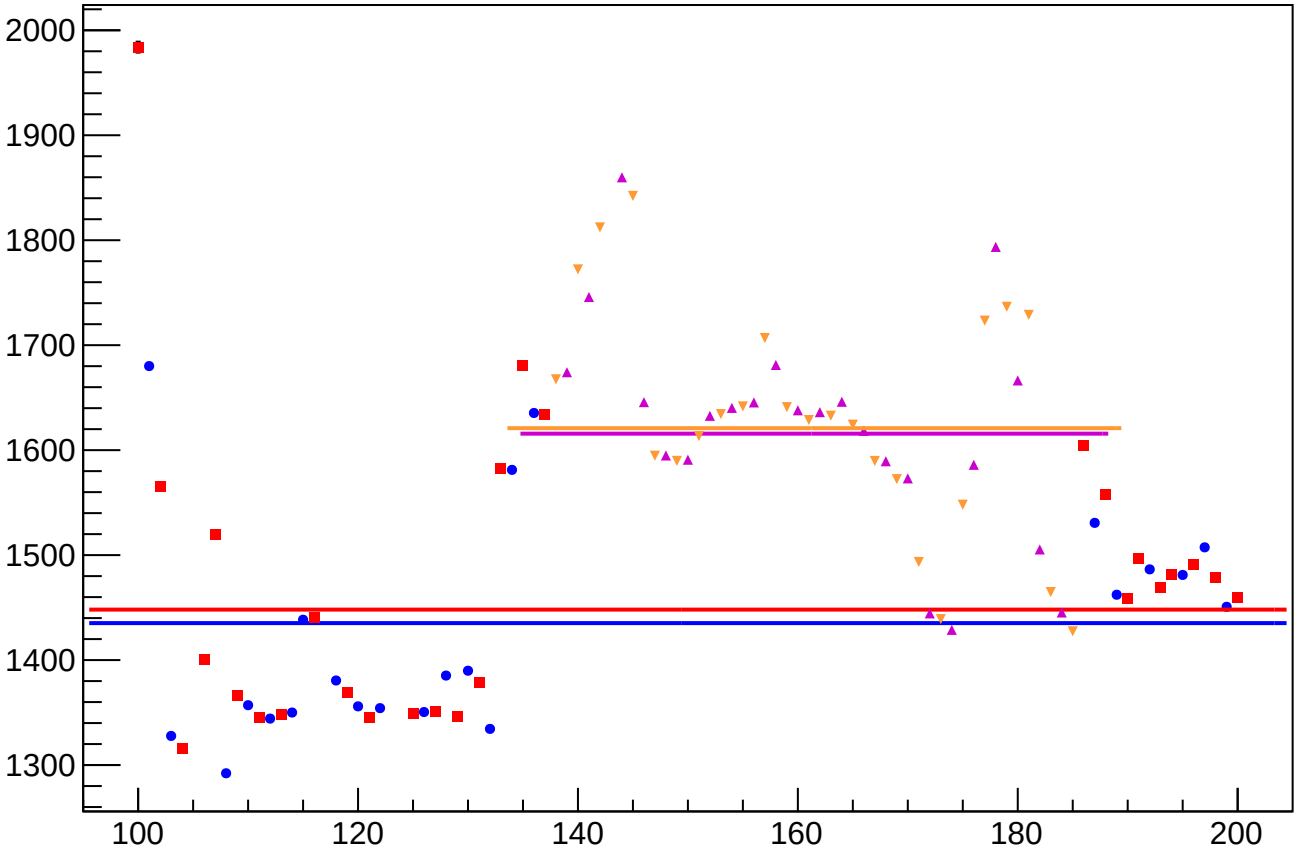
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1361.735+/-281.824 χ^2/NDF: 51.3/45

All: -513.537+/-196.370 χ^2/NDF: 171.8/95

- sign -2283.140+/-273.768 χ^2/NDF: 34.5/49

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1435.221+/-0.300 χ^2/NDF: 113407.9/21

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

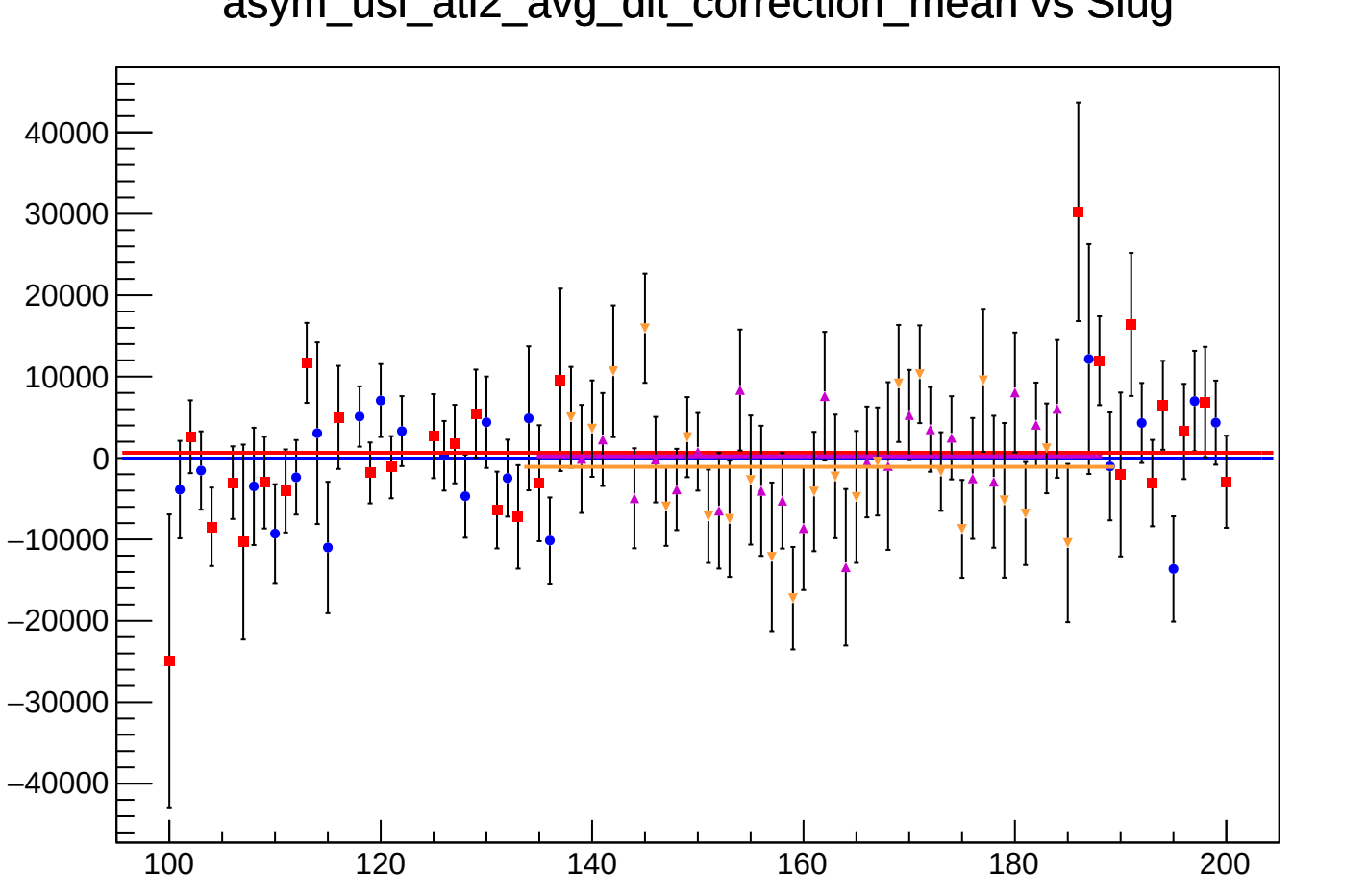
Right Out: 1448.084+/-0.280 χ^2/NDF: 120406.3/26

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1538.909+/-0.199 χ^2/NDF: 469587.7/45

All: 1537.323+/-0.139 χ^2/NDF: 914550.8/95

- sign 1535.830+/-0.193 χ^2/NDF: 444840.2/49



Right In: -66.357+/-1161.892 χ^2/NDF: 23.9/21

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 640.766+/-1081.205 χ^2/NDF: 35.9/26

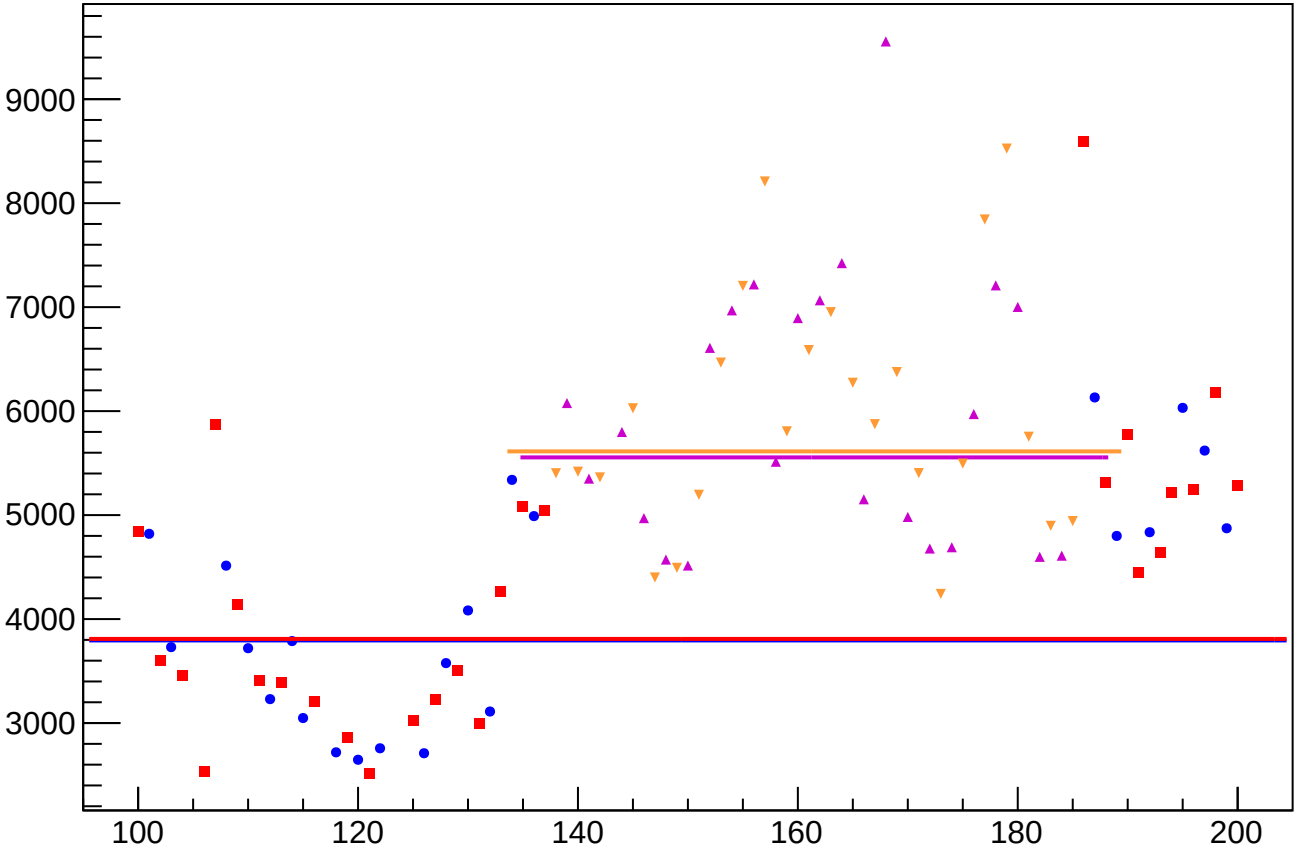
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

\+ sign -505.172+/-875.702 χ^2/NDF: 57.2/45

All: 1.478+/-605.444 χ^2/NDF: 106.8/95

\- sign 465.438+/-837.996 χ^2/NDF: 48.9/49

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3794.728+/-0.822 χ^2/NDF: 1578268.5/21

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3809.145+/-0.765 χ^2/NDF: 2068397.2/26

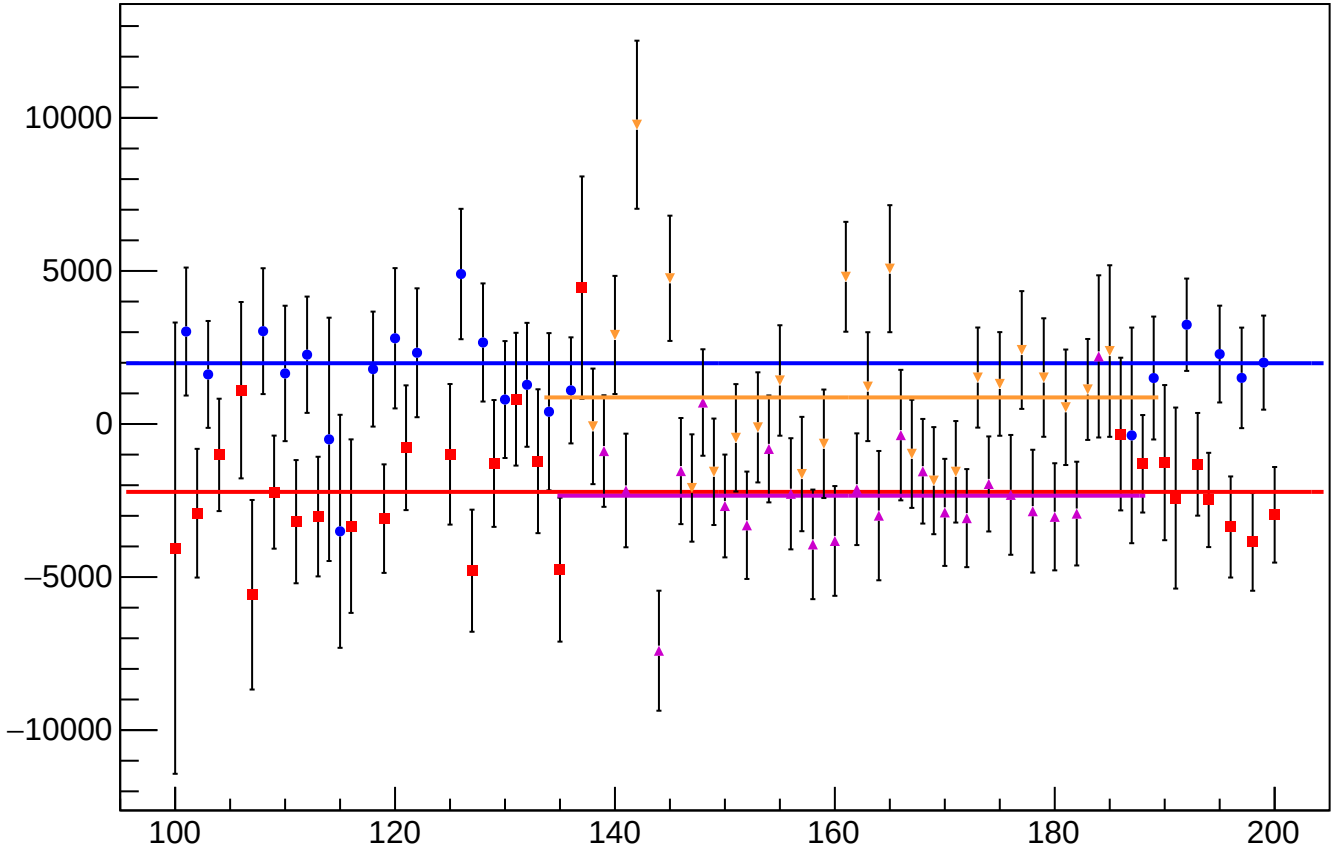
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4580.028+/-0.619 χ^2/NDF: 4881475.2/45

All: 4541.496+/-0.428 χ^2/NDF: 10372245.2/9

- sign 4506.210+/-0.593 χ^2/NDF: 5483351.8/49

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1985.251+/-424.041 χ^2/NDF: 7.7/21

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2217.950+/-396.903 χ^2/NDF: 16.4/26

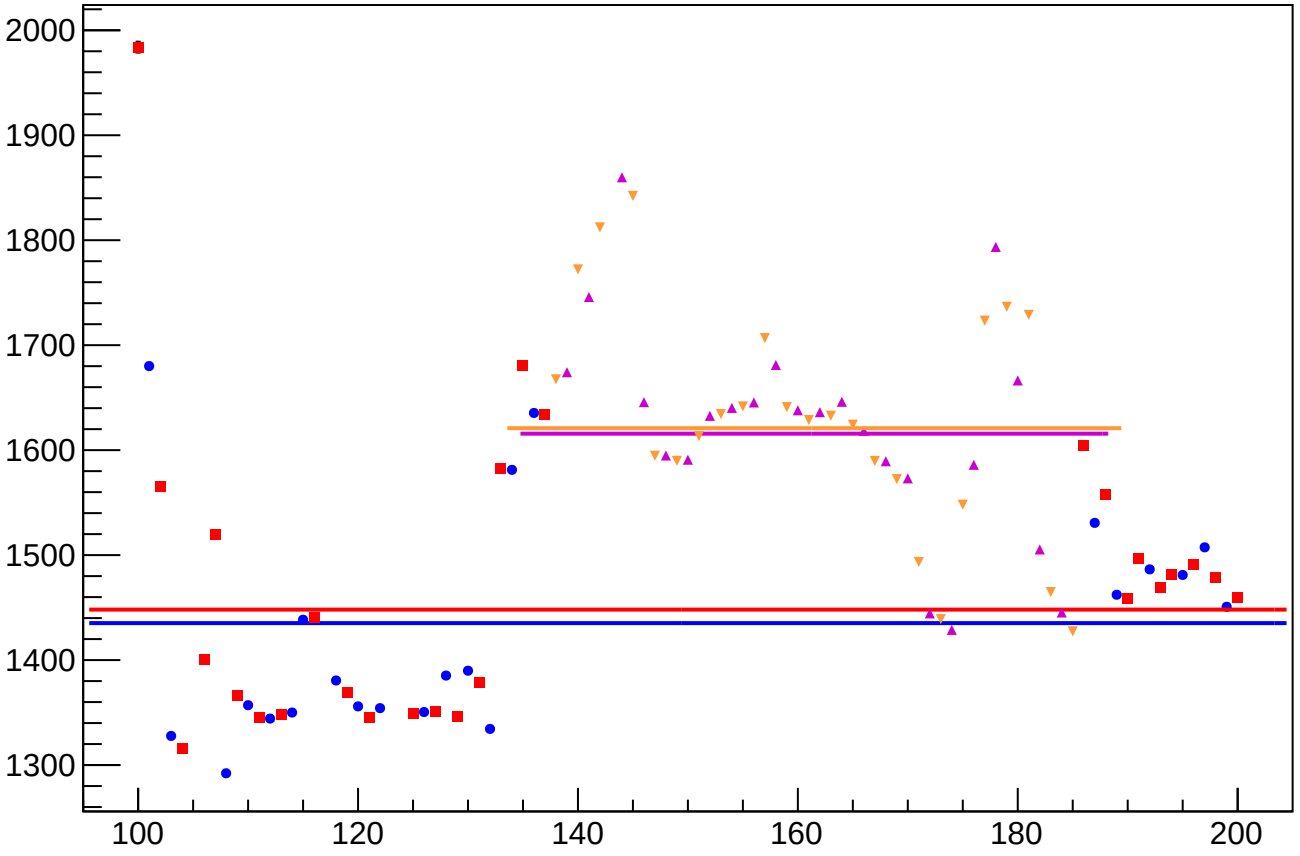
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1361.731+/-281.824 χ^2/NDF: 51.3/45

All: -513.538+/-196.370 χ^2/NDF: 171.8/95

- sign -2283.140+/-273.769 χ^2/NDF: 34.5/49

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1435.221+/-0.300 χ^2/NDF: 113408.0/21

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

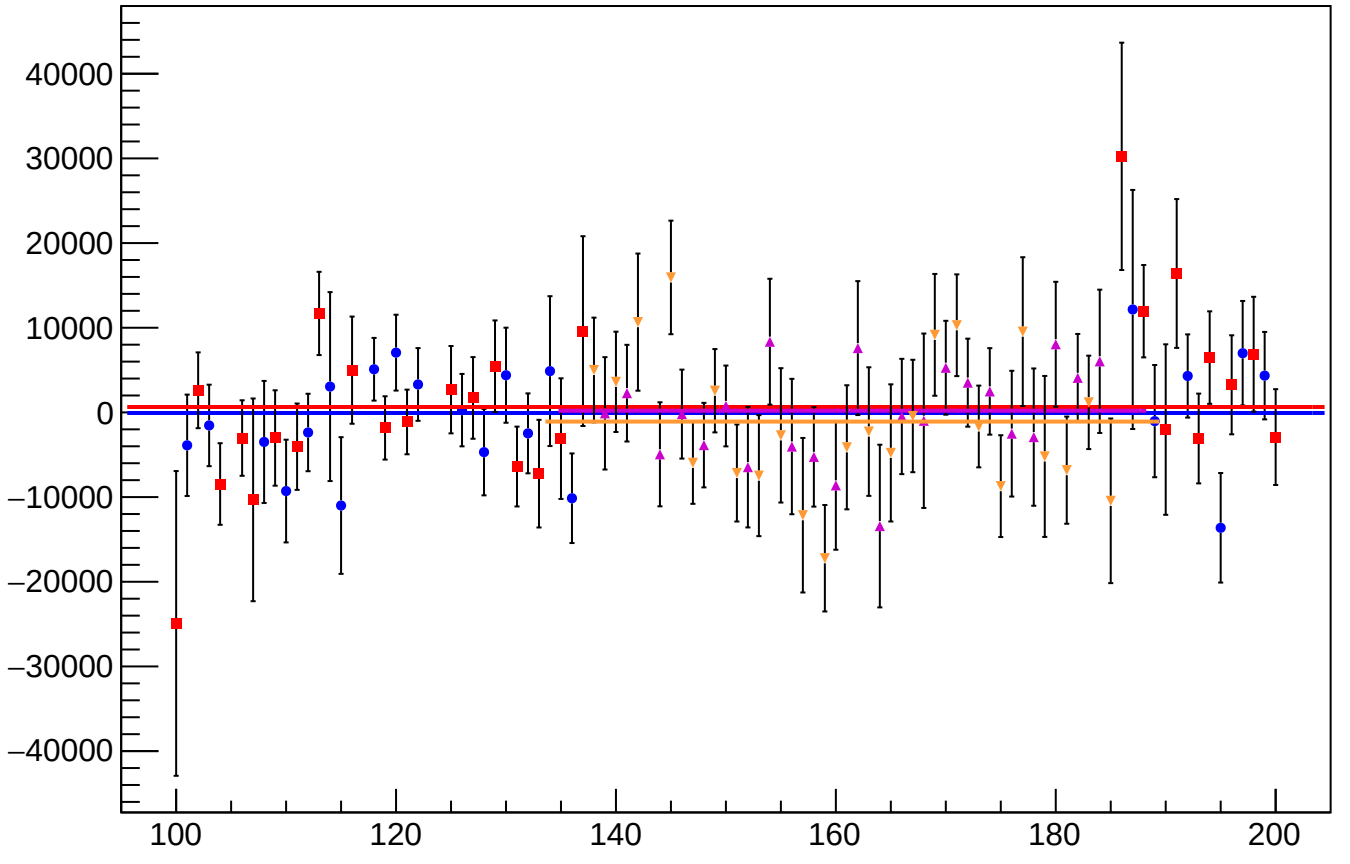
Right Out: 1448.083+/-0.280 χ^2/NDF: 120406.4/26

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1538.909+/-0.199 χ^2/NDF: 469595.2/45

All: 1537.324+/-0.139 χ^2/NDF: 914565.9/95

- sign 1535.830+/-0.193 χ^2/NDF: 444847.8/49



Right In: -66.353+/-1161.890 χ^2/NDF: 23.9/21

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

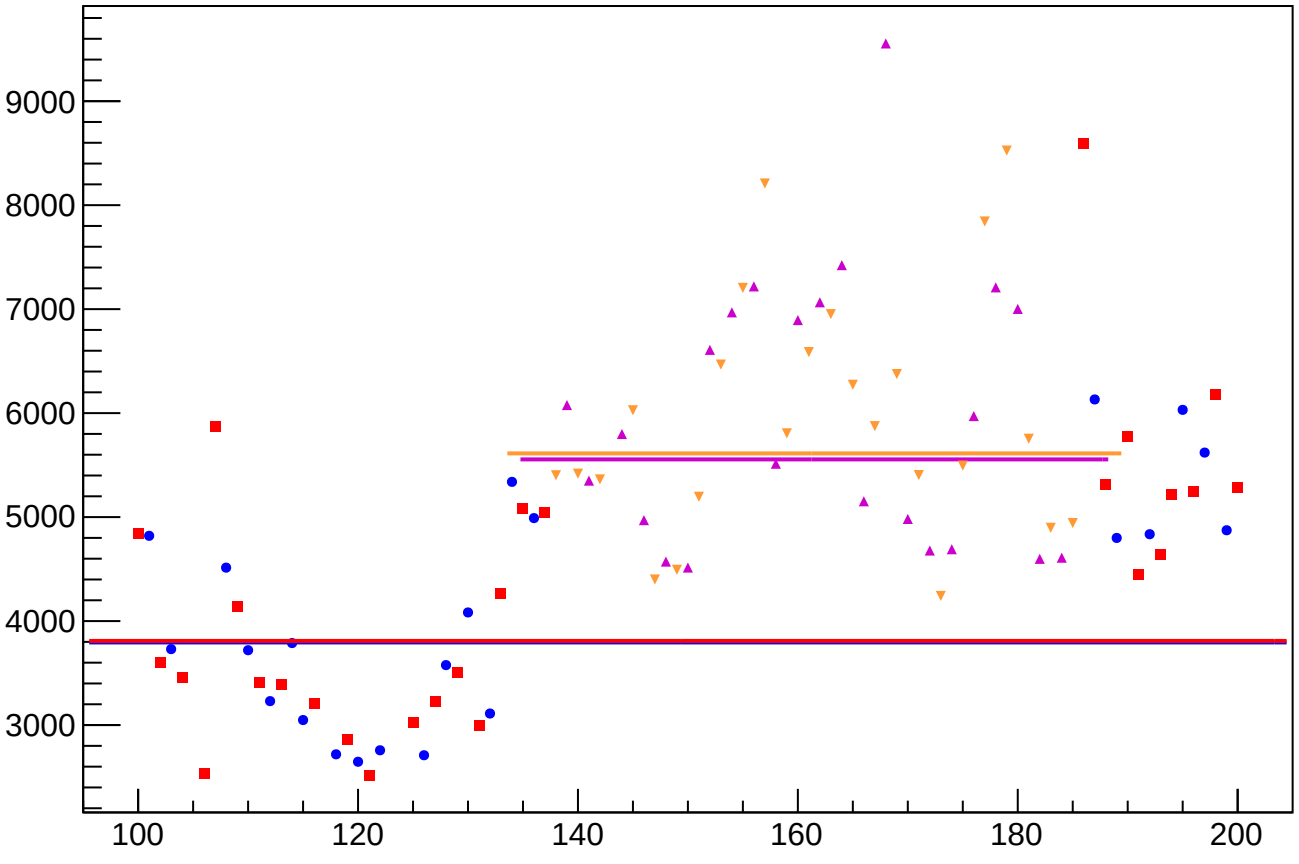
Right Out: 640.759+/-1081.203 χ^2/NDF: 35.9/26

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -505.171+/-875.701 χ^2/NDF: 57.2/45

All: 1.478+/-605.444 χ^2/NDF: 106.8/95

\- sign 465.435+/-837.996 χ^2/NDF: 48.9/49



Right In: 3794.718+/-0.822 χ^2/NDF: 1578293.4/21

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3809.136+/-0.765 χ^2/NDF: 2068419.3/26

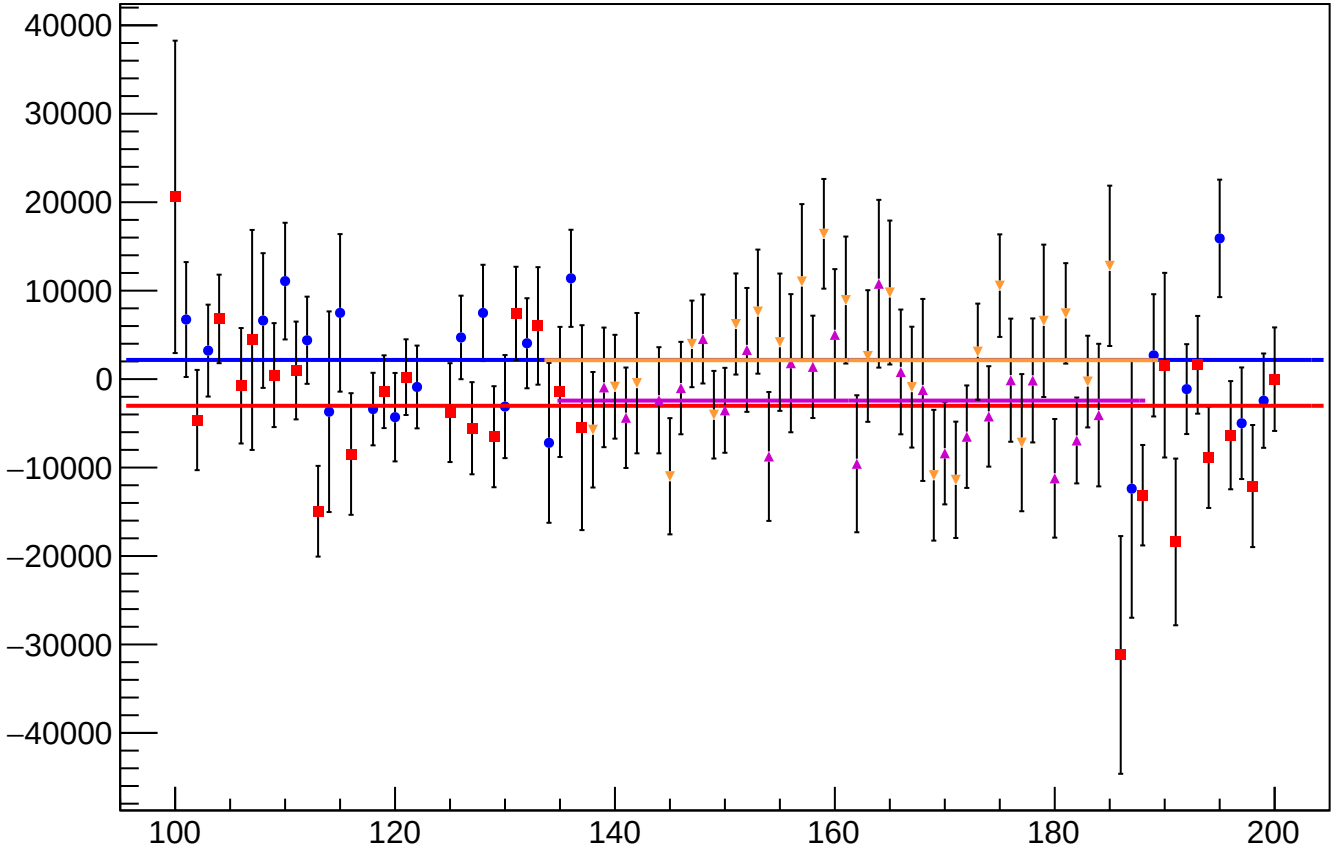
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4580.023+/-0.619 χ^2/NDF: 4881544.8/45

All: 4541.491+/-0.428 χ^2/NDF: 10372378.9/9

- sign 4506.205+/-0.593 χ^2/NDF: 5483415.8/49

asym_usl_atl2_avg_mean vs Slug



Right In: 2168.540+/-1243.060 χ^2/NDF: 21.3/21

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3015.946+/-1178.333 χ^2/NDF: 34.8/26

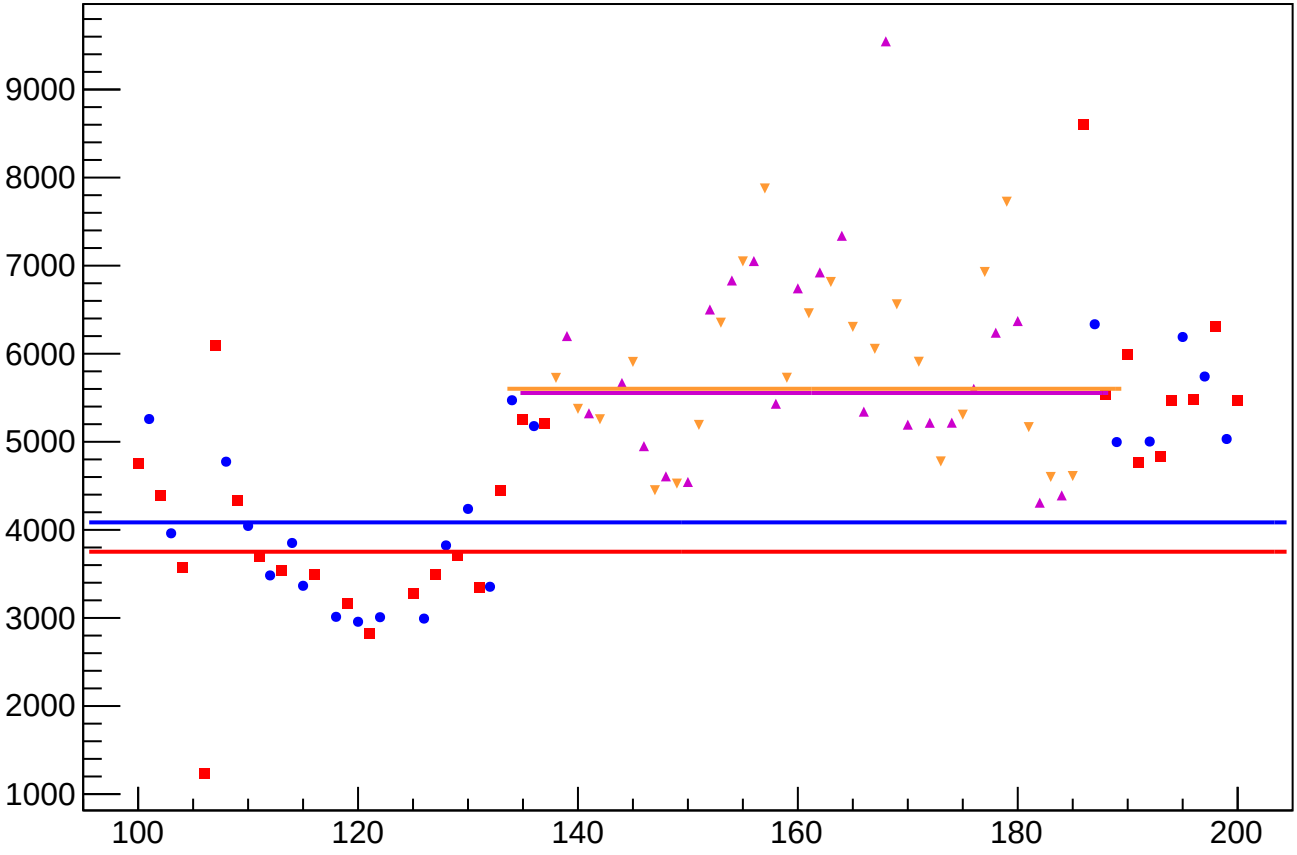
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2154.302+/-906.364 χ^2/NDF: 52.0/45

All: -374.812+/-631.133 χ^2/NDF: 114.9/95

- sign -2755.469+/-879.361 χ^2/NDF: 47.8/49

asym_usl_atl2_avg_rms vs Slug



Right In: 4085.090+/-0.879 χ^2/NDF: 1301483.4/21

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

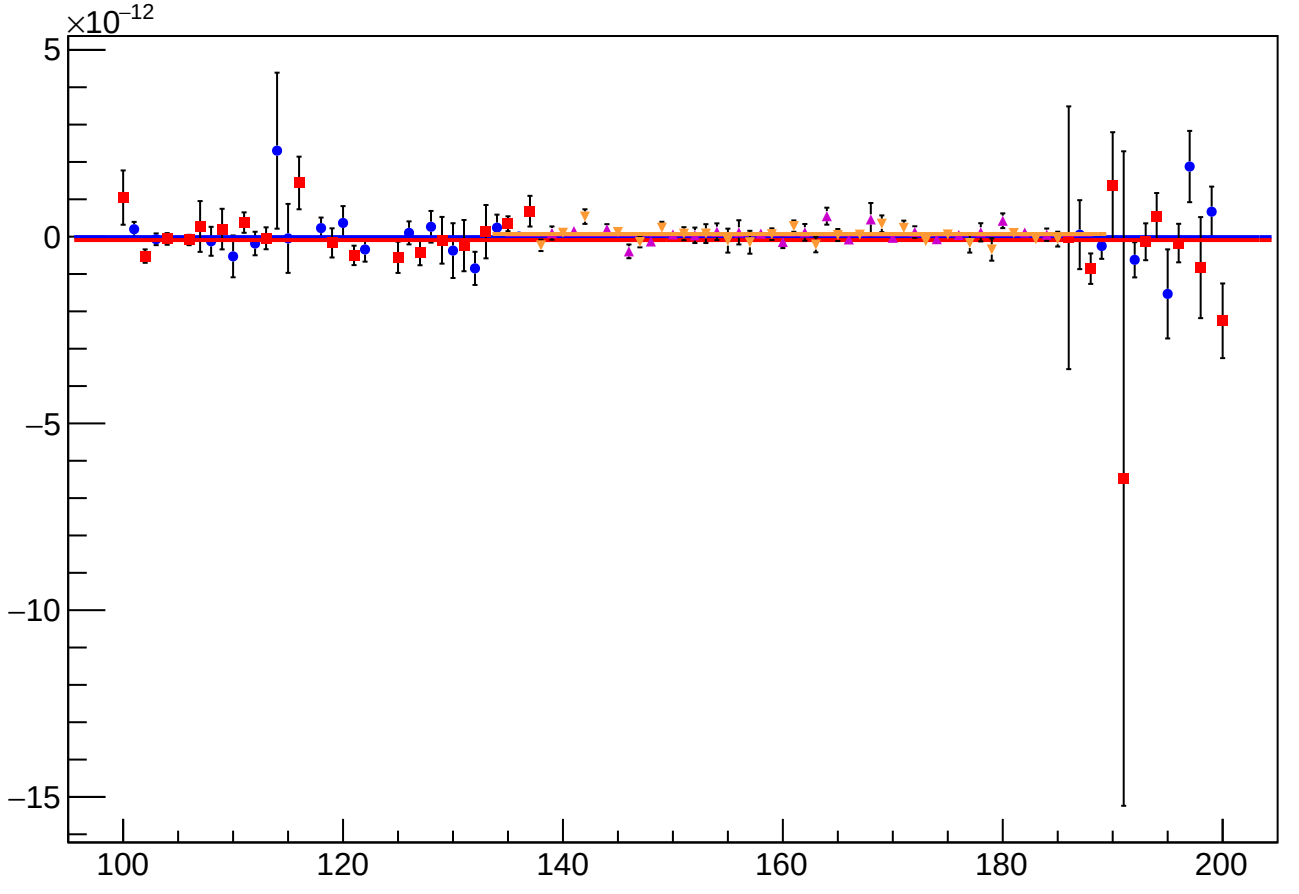
Right Out: 3751.905+/-0.781 χ^2/NDF: 3443885.5/26

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4795.666+/-0.641 χ^2/NDF: 3637319.1/45

All: 4634.025+/-0.438 χ^2/NDF: 10504181.3/9

- sign 4492.838+/-0.599 χ^2/NDF: 6747689.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/26

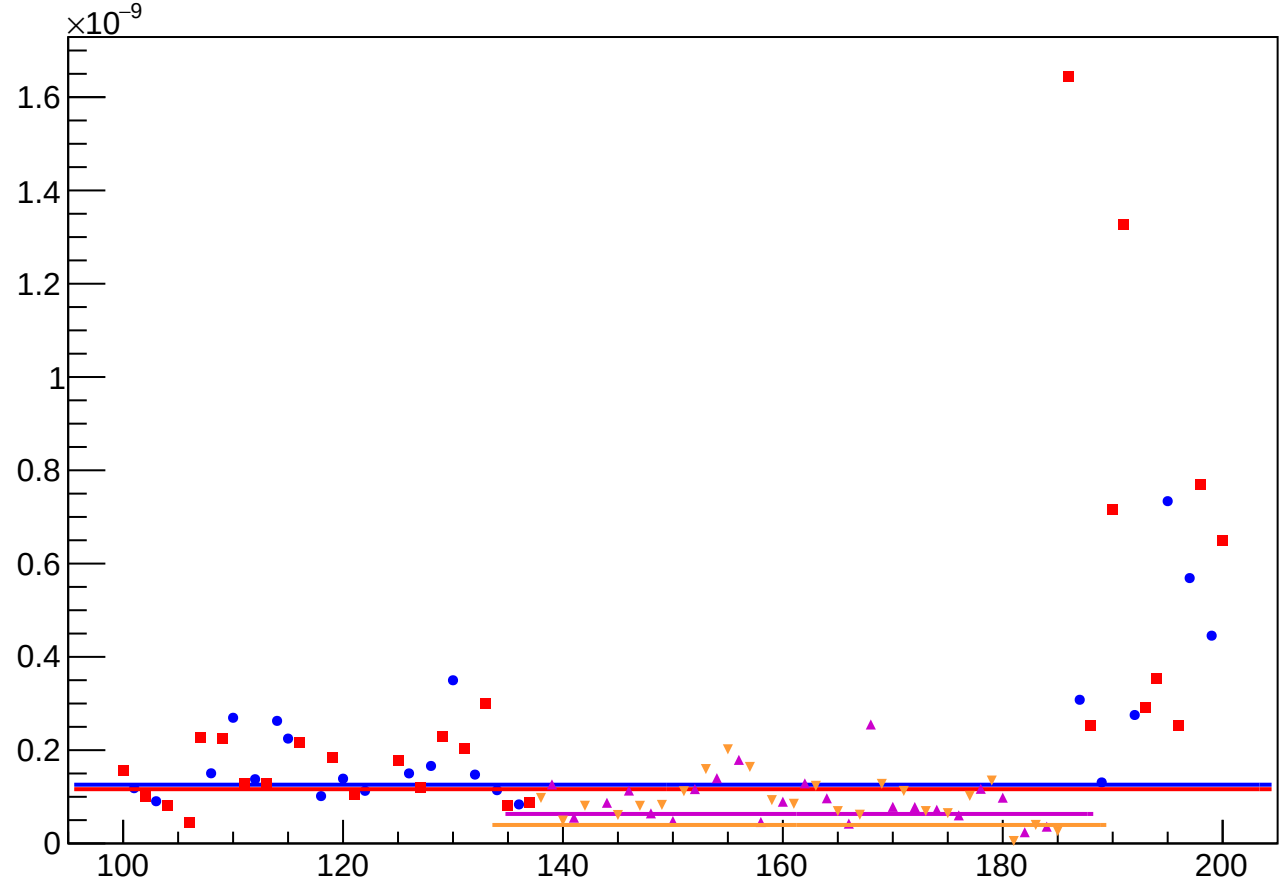
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 120.9/95

- sign 0.000+/-0.000 χ^2/NDF: 70.5/49

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2401960.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3938169.4/26

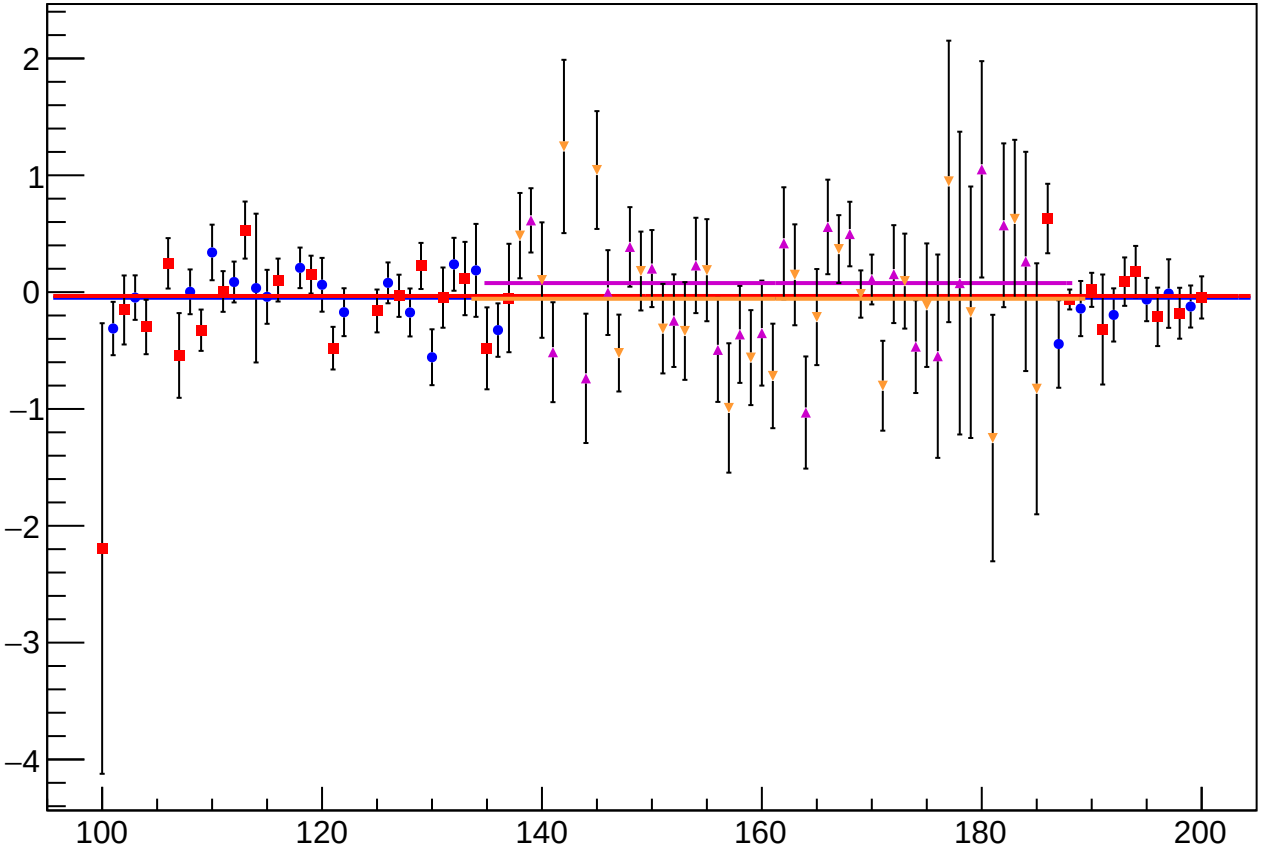
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12314309.0/45

All: 0.000+/-0.000 χ^2/NDF: 21403626.4/95

- sign 0.000+/-0.000 χ^2/NDF: 8040803.6/49

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

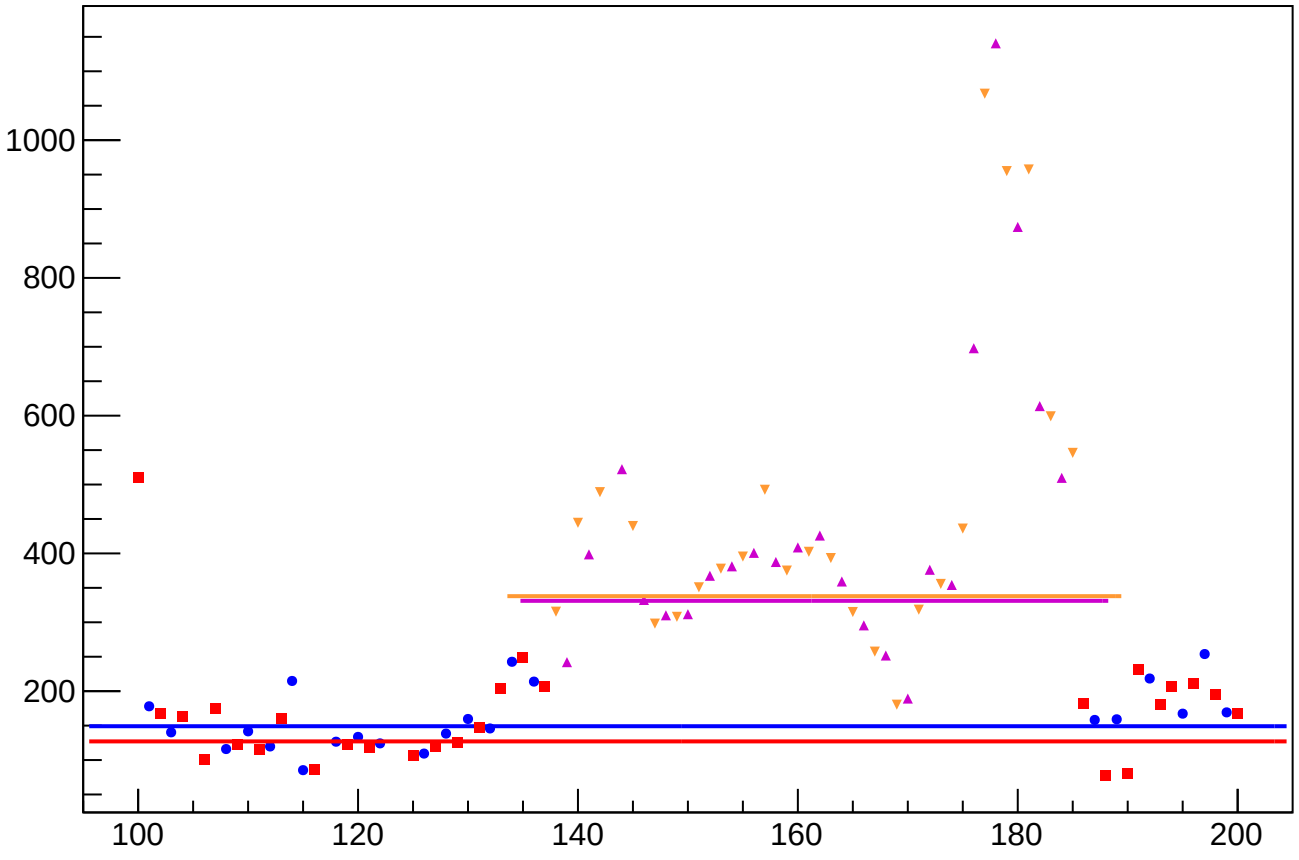
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/95

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

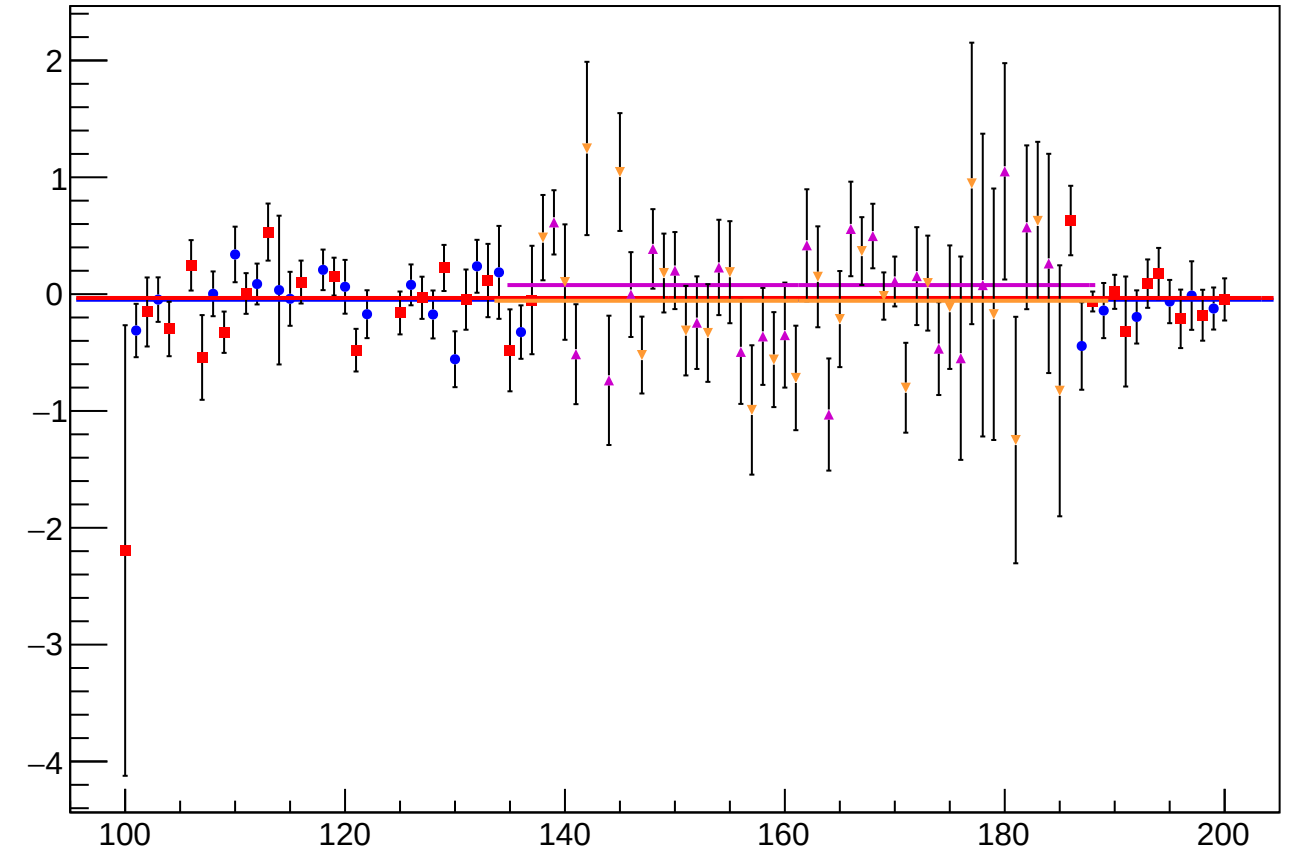
Right Out: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302387.5/45

All: 175.400+/-0.019 χ^2/NDF: 30713894.3/95

- sign 162.879+/-0.025 χ^2/NDF: 16800231.2/49



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

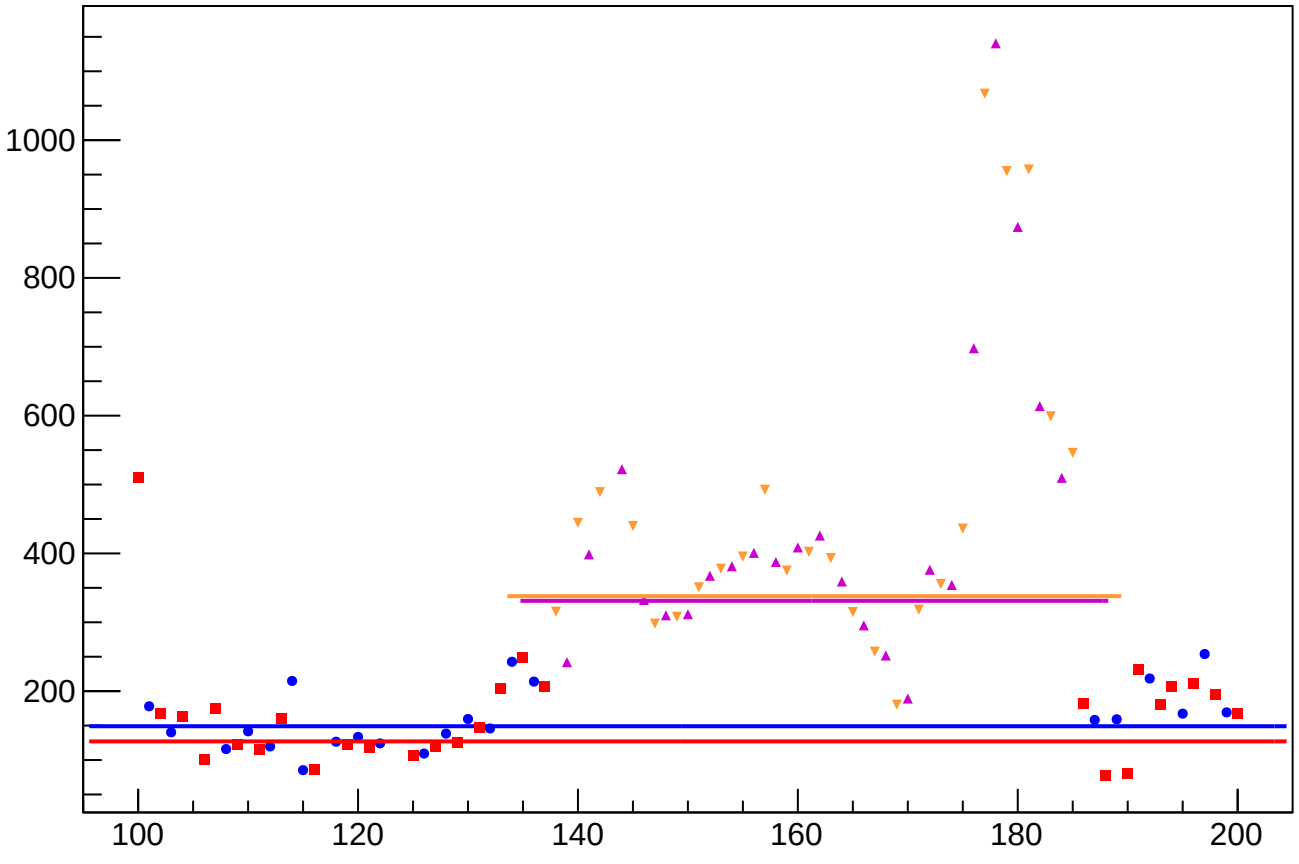
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/95

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

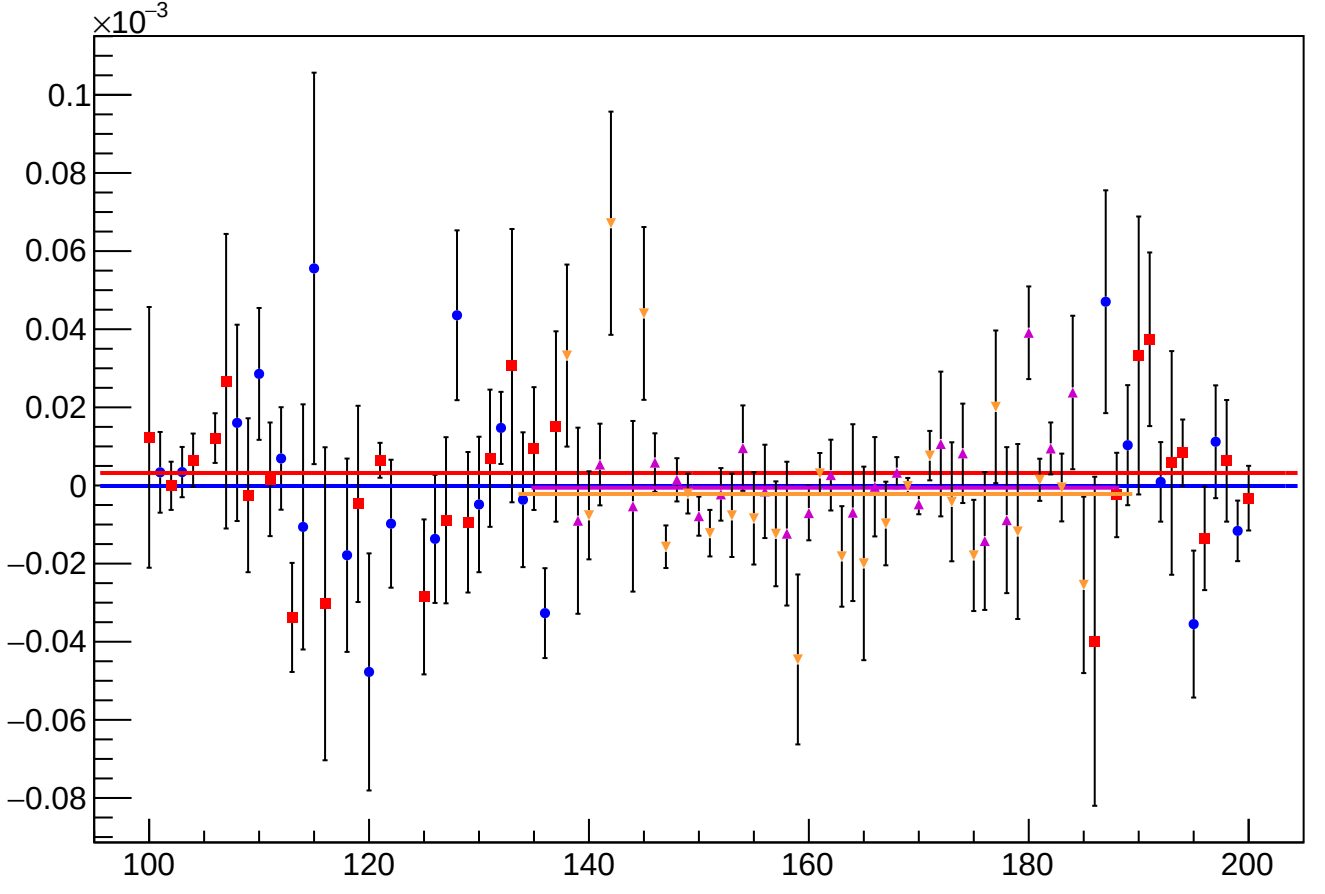
Right Out: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302387.5/45

All: 175.400+/-0.019 χ^2/NDF: 30713894.3/95

- sign 162.879+/-0.025 χ^2/NDF: 16800231.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

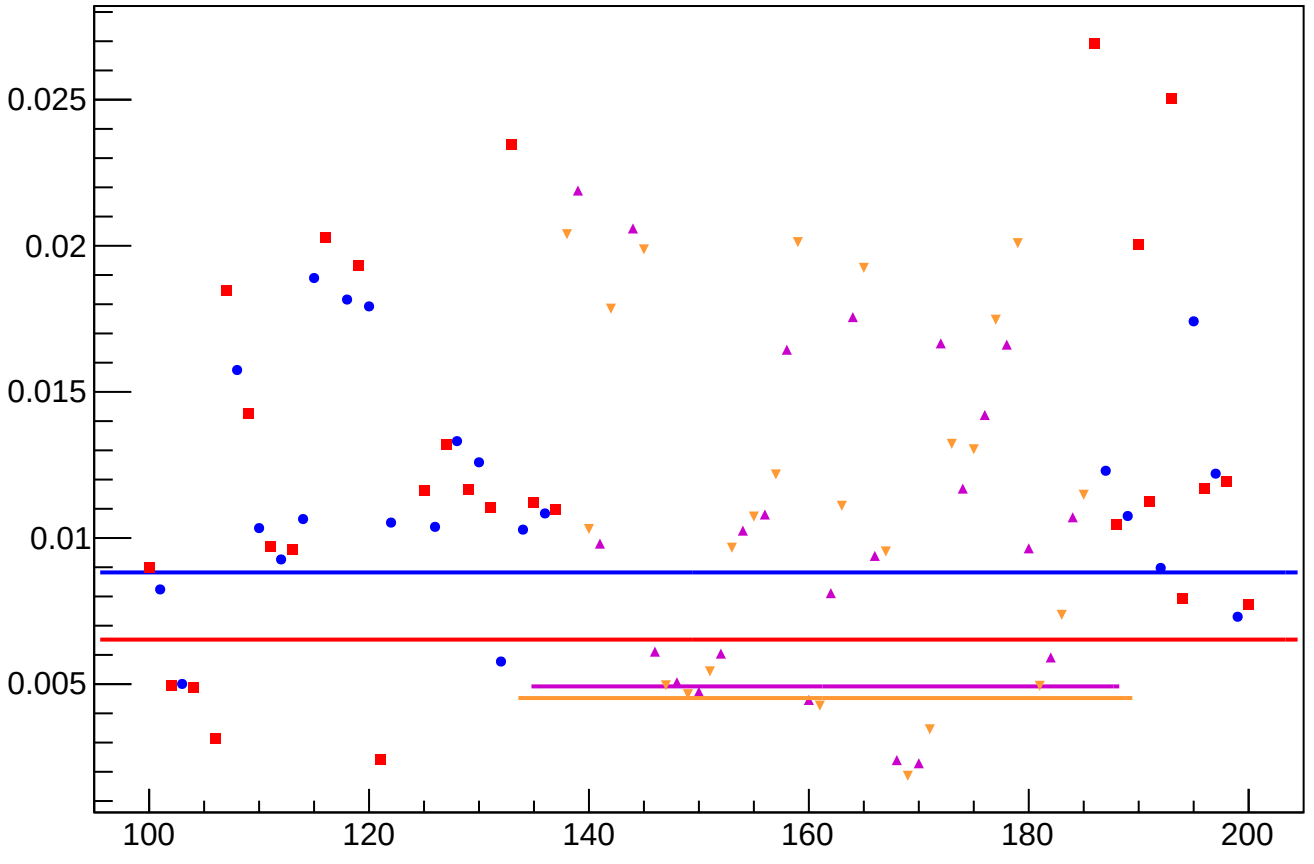
Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/26

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.0/45

All: -0.000+/-0.000 χ^2/NDF: 124.9/95

- sign 0.000+/-0.000 χ^2/NDF: 51.1/49



Right In: 0.009+/-0.000 χ^2/NDF: 2611570.0/21

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 7899424.7/26

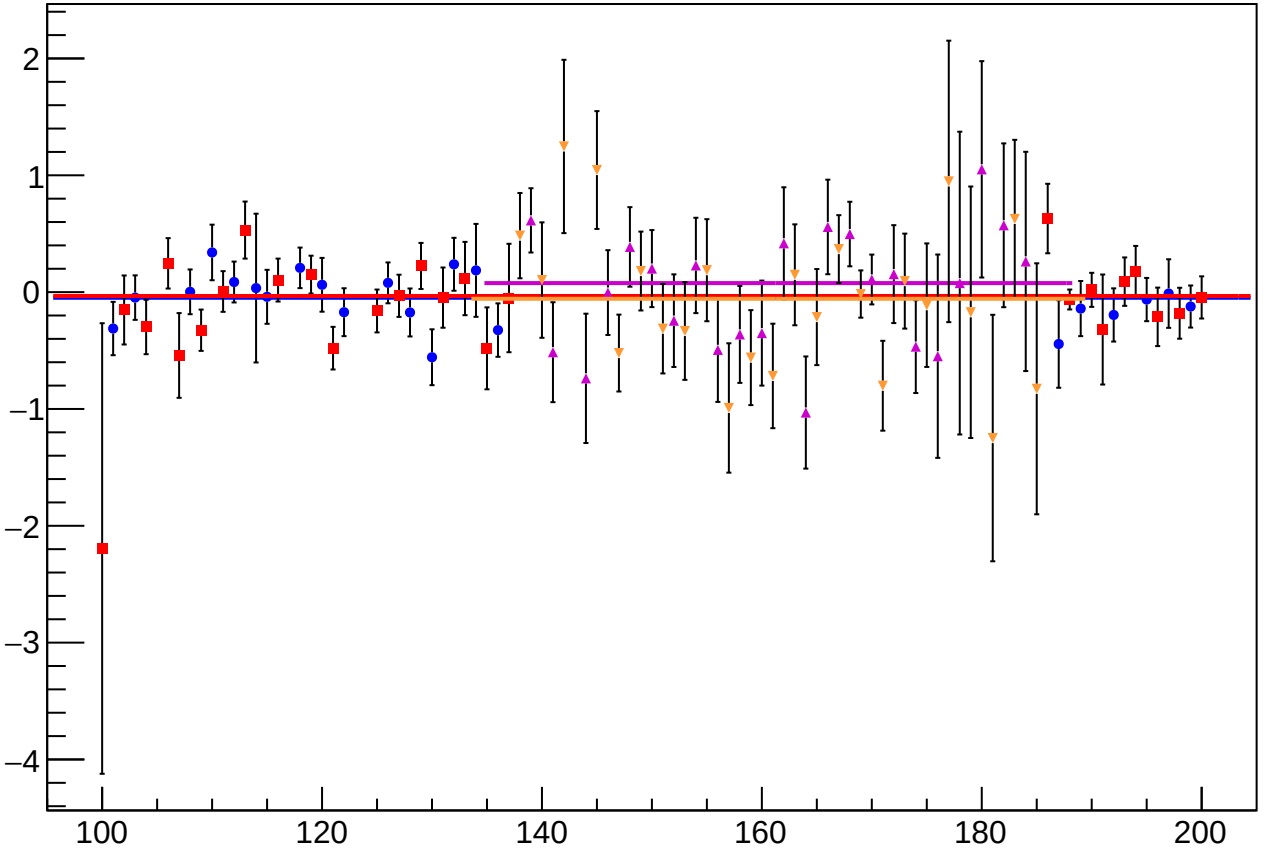
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 20524899.4/45

All: 0.005+/-0.000 χ^2/NDF: 40783236.9/95

- sign 0.005+/-0.000 χ^2/NDF: 20255360.8/49

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

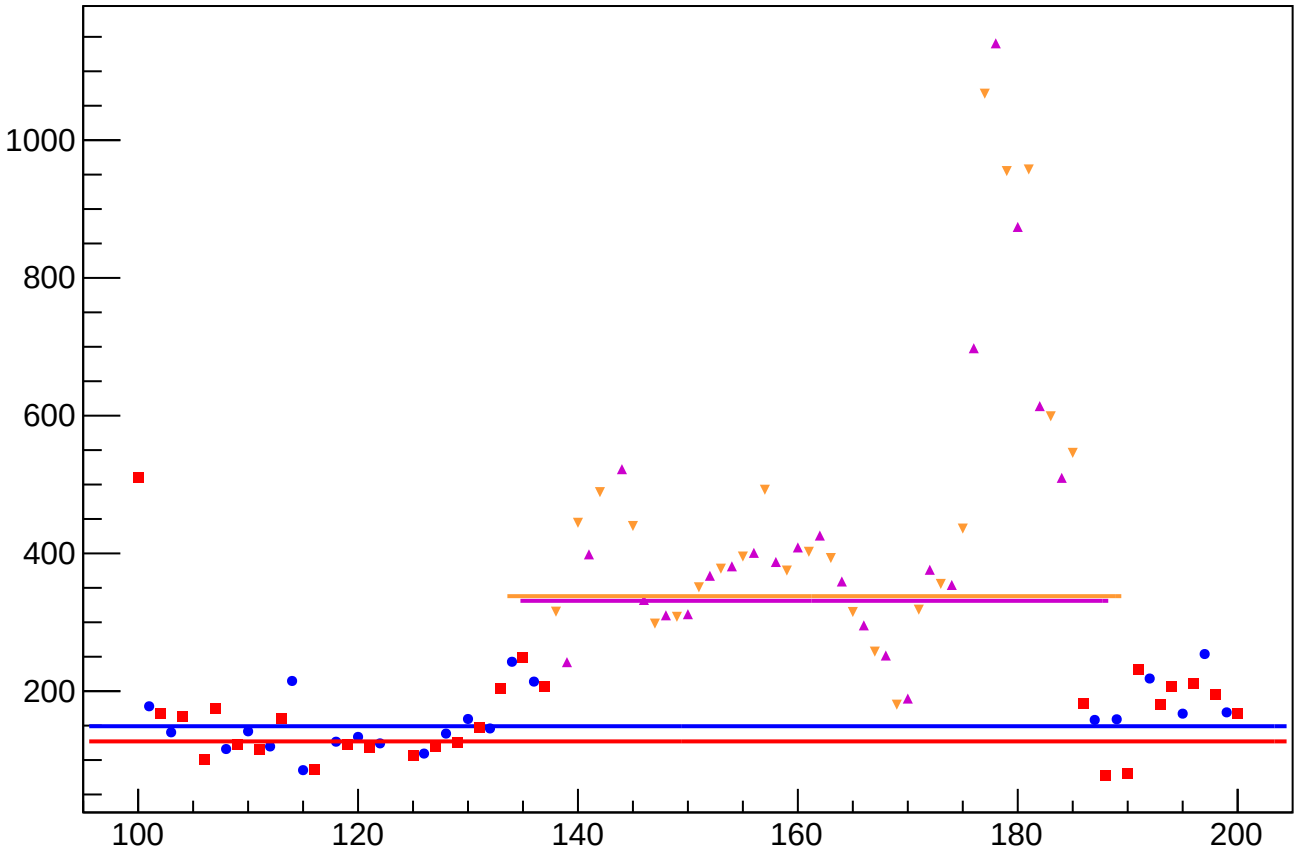
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/95

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

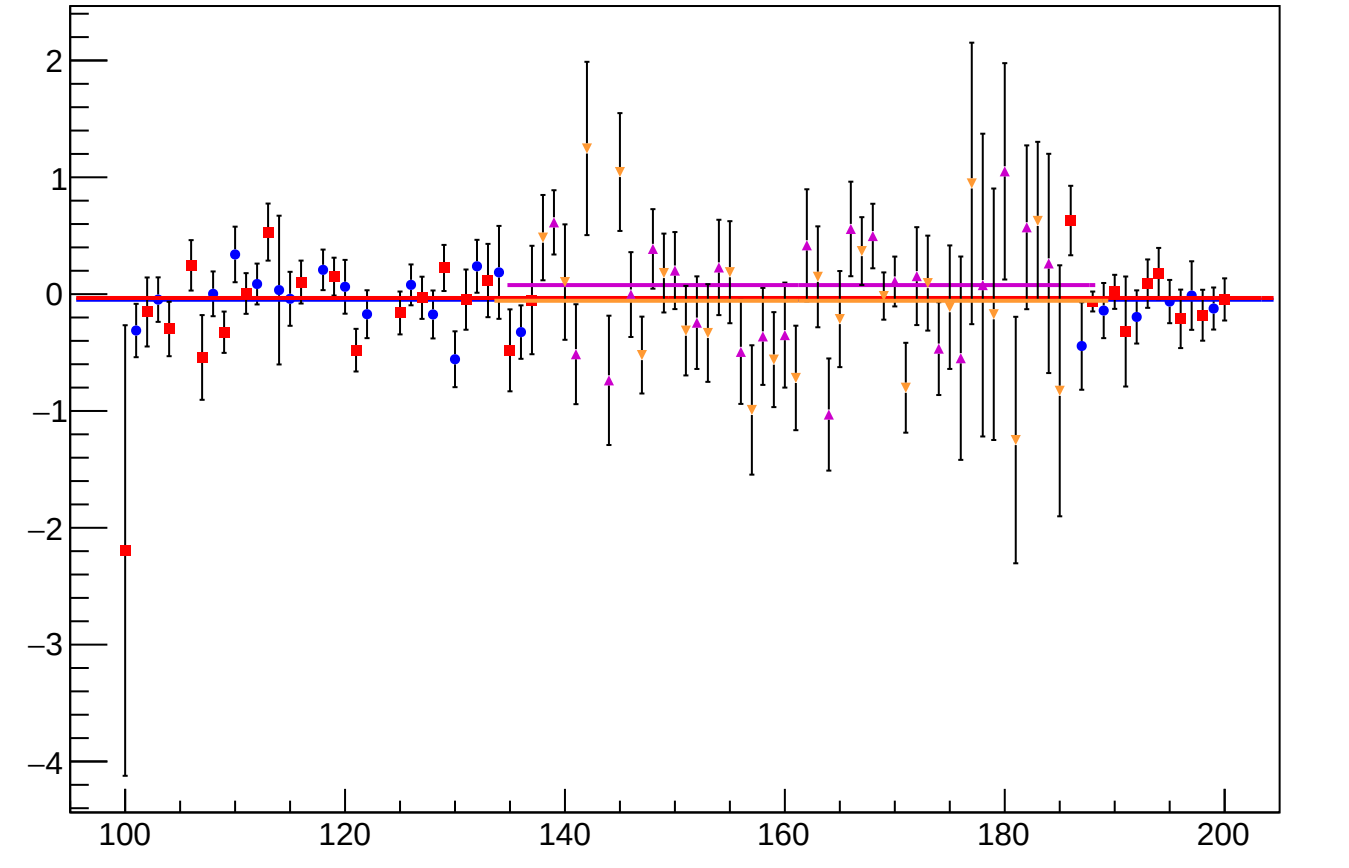
Right Out: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302495.7/45

All: 175.398+/-0.019 χ^2/NDF: 30714557.1/95

- sign 162.877+/-0.025 χ^2/NDF: 16800697.9/49



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

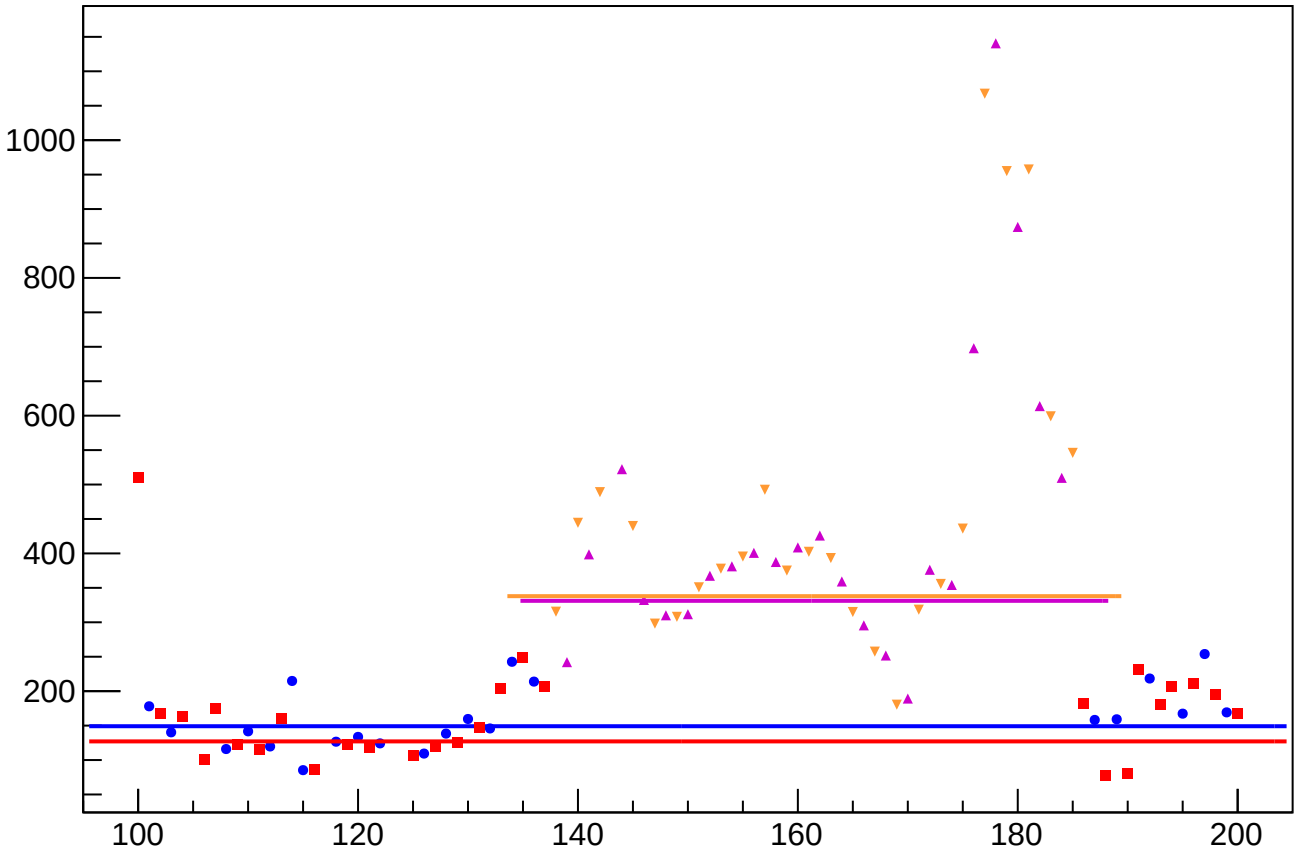
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/95

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

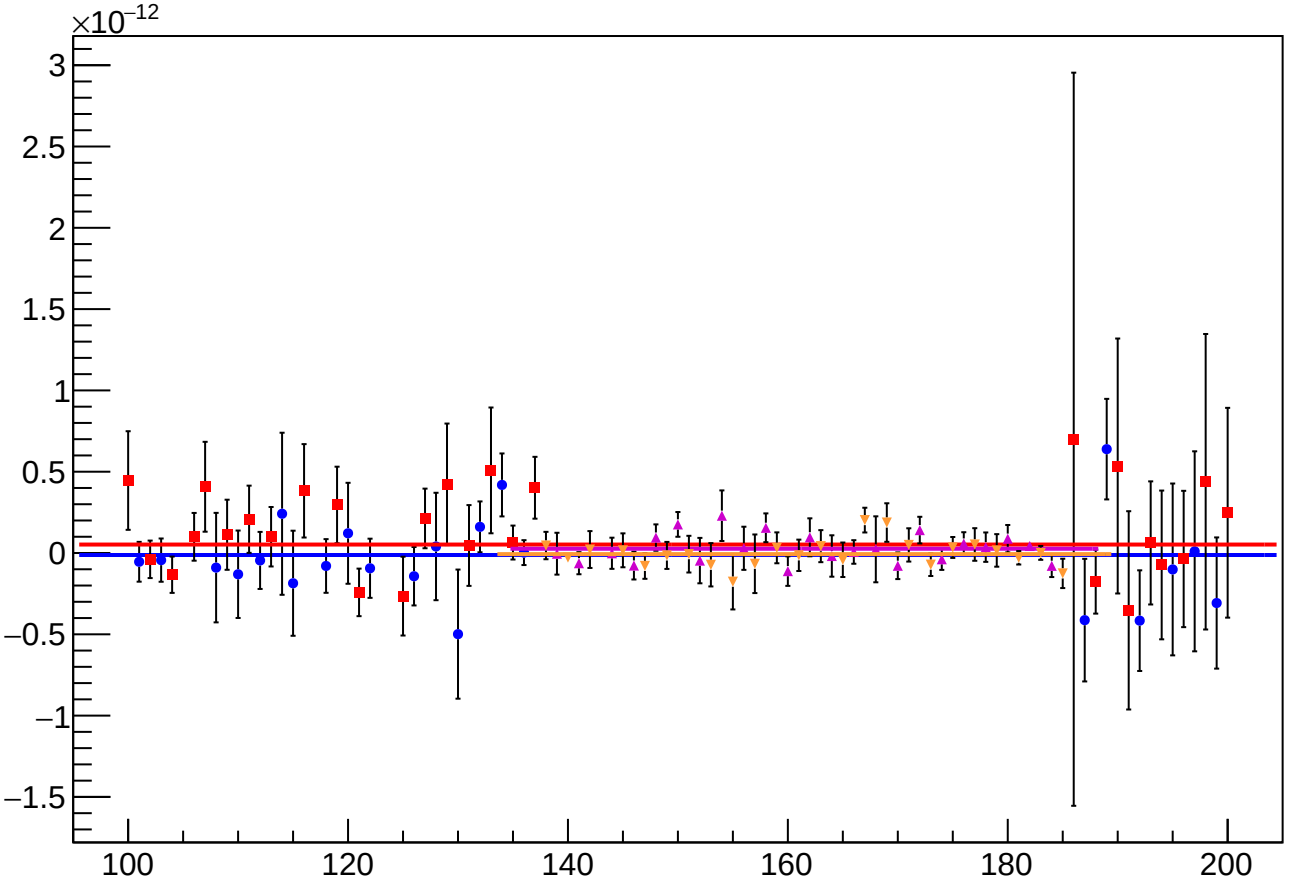
Right Out: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302495.7/45

All: 175.398+/-0.019 χ^2/NDF: 30714557.1/95

- sign 162.877+/-0.025 χ^2/NDF: 16800697.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

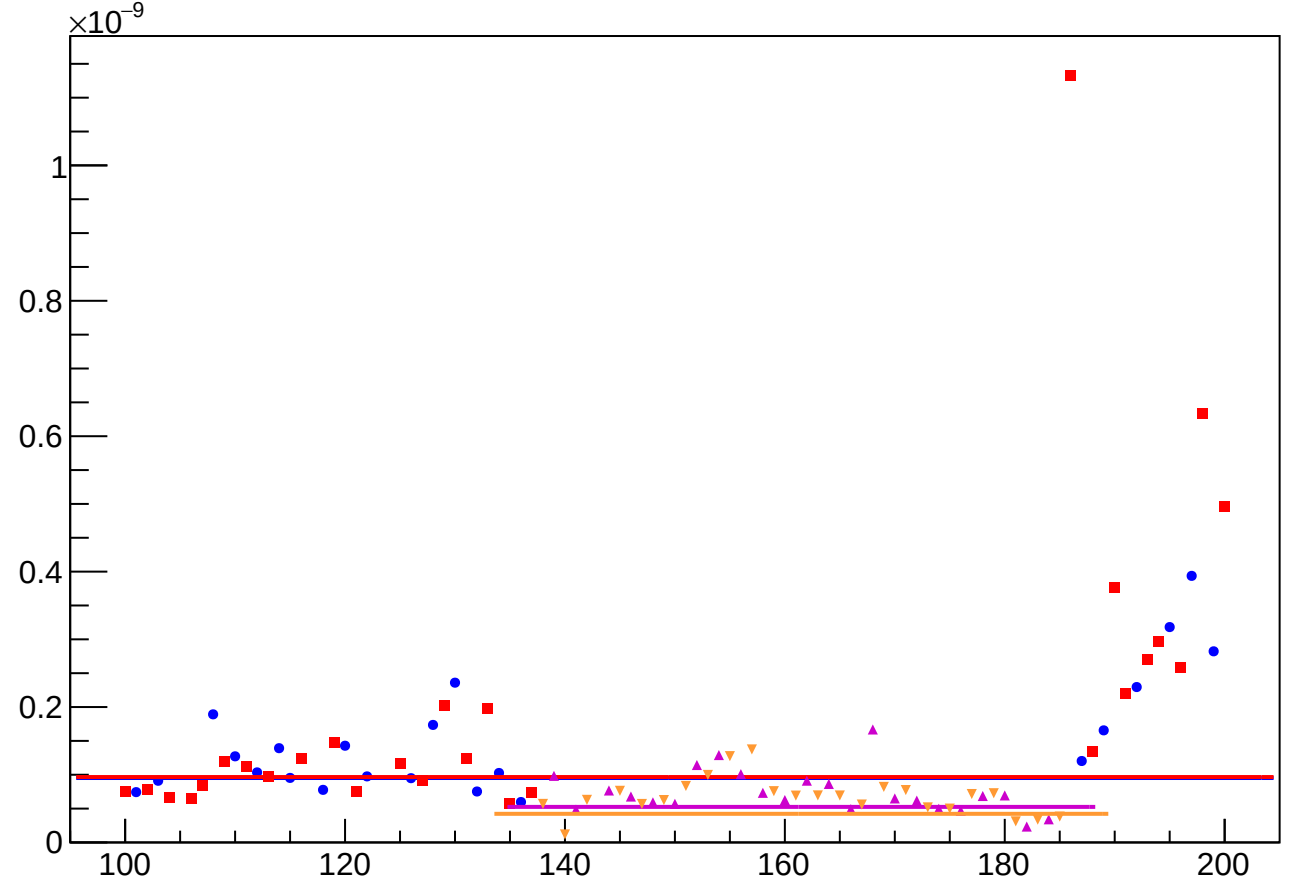
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/45

All: 0.000+/-0.000 χ^2/NDF: 87.2/95

- sign 0.000+/-0.000 χ^2/NDF: 48.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 2910723.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4533267.6/26

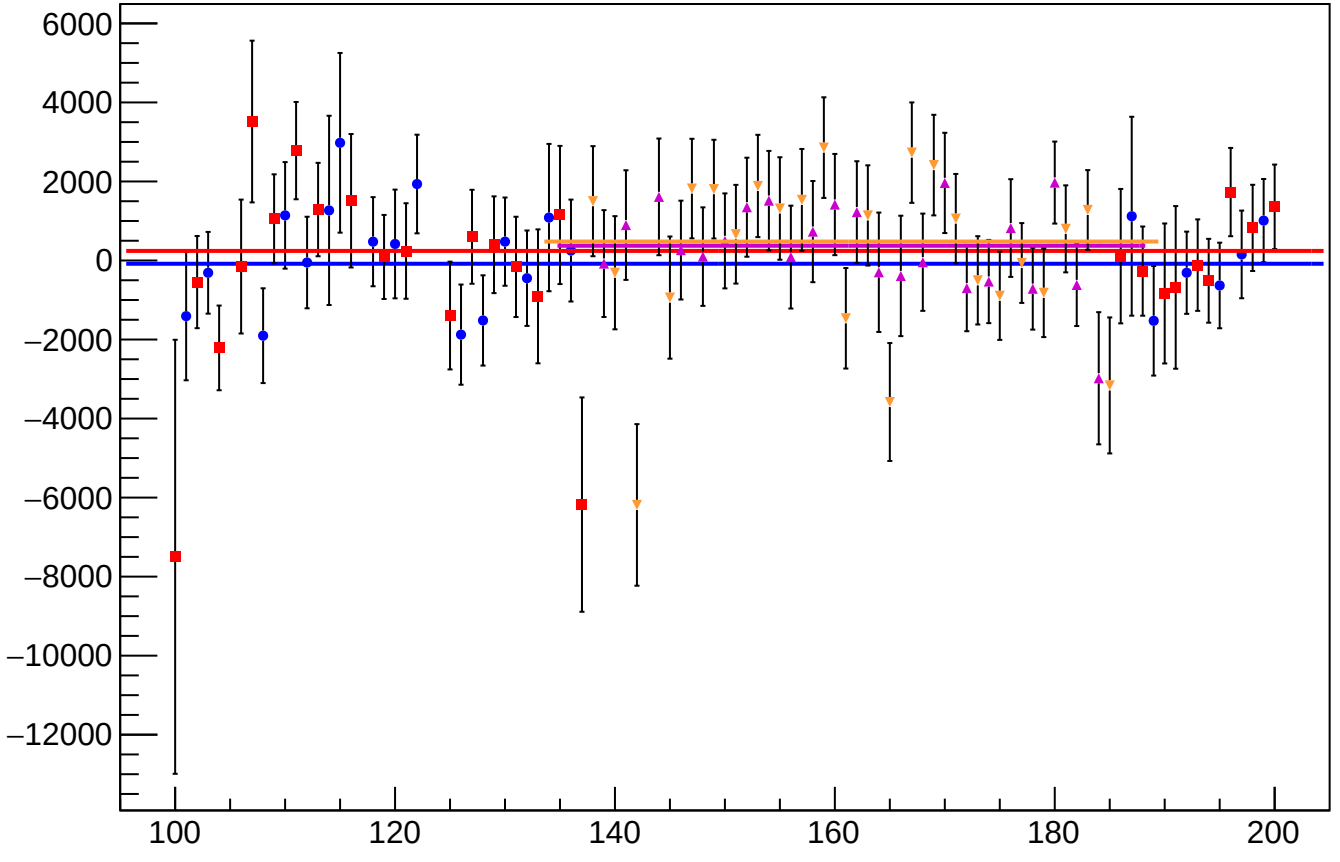
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12556785.6/45

All: 0.000+/-0.000 χ^2/NDF: 24635914.8/95

- sign 0.000+/-0.000 χ^2/NDF: 11521558.7/49

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -82.549+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 242.738+/-254.069 χ^2/NDF: 29.0/26

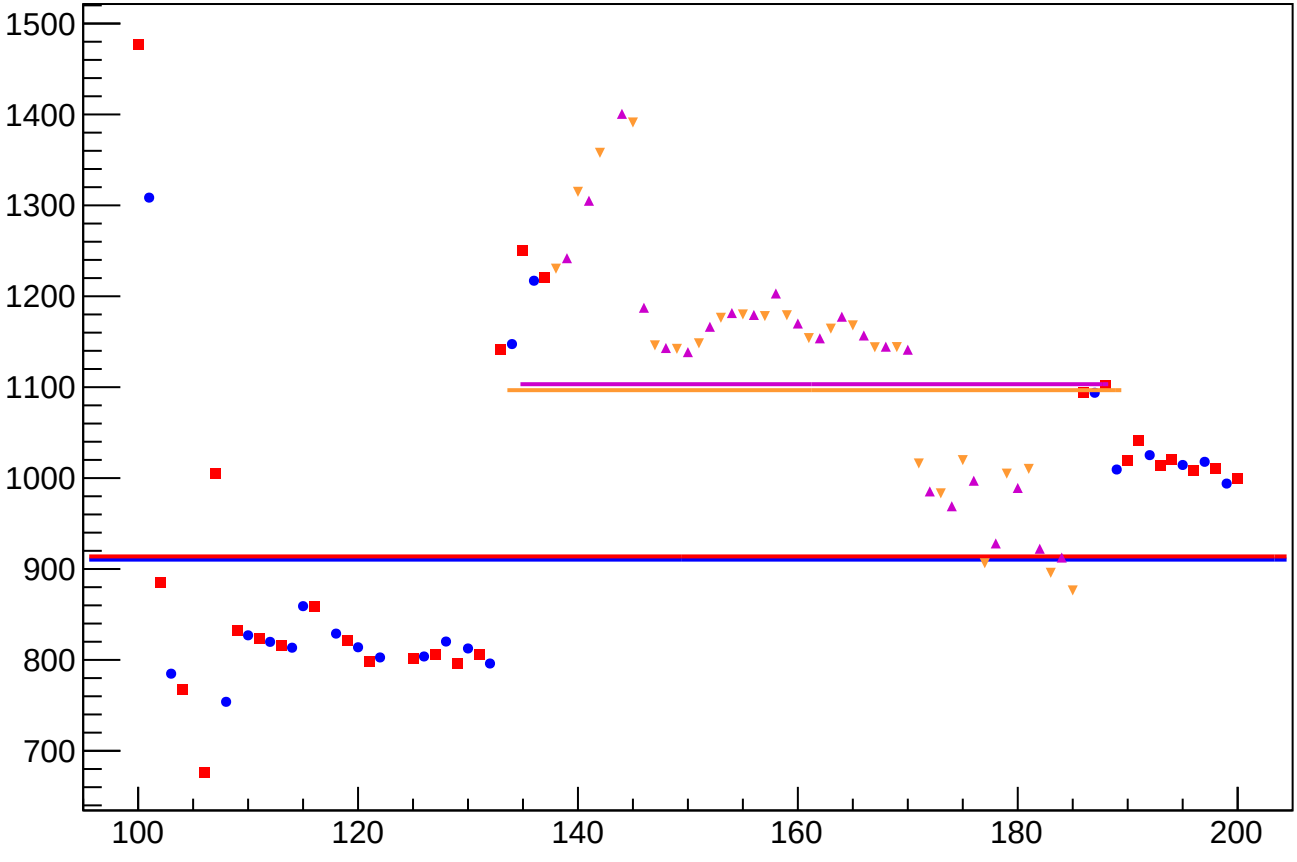
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 214.645+/-186.385 χ^2/NDF: 63.5/45

All: 261.798+/-130.025 χ^2/NDF: 108.8/95

- sign 306.502+/-181.480 χ^2/NDF: 45.1/49

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.5/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 913.831+/-0.178 χ^2/NDF: 570938.4/26

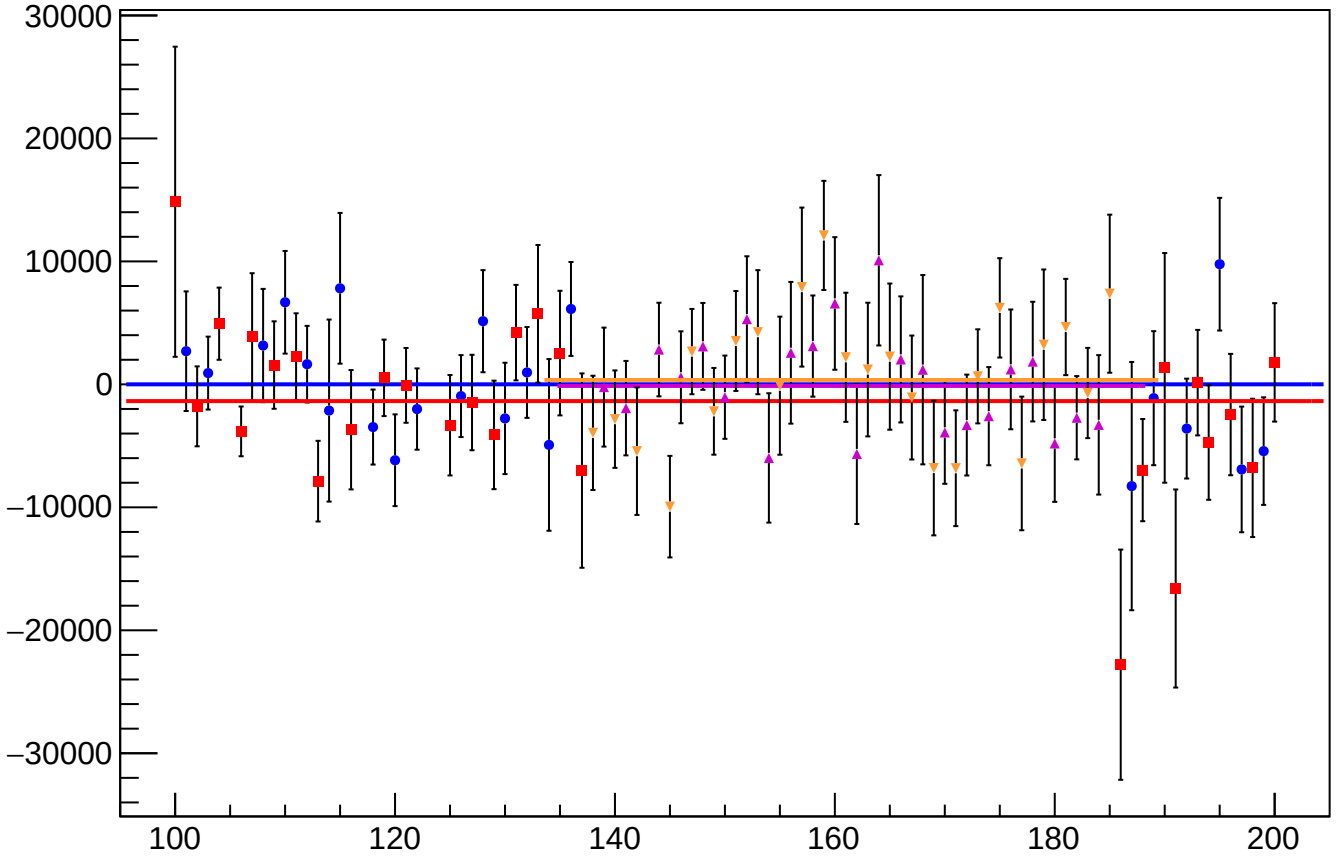
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.3/45

All: 1007.330+/-0.092 χ^2/NDF: 3090037.4/95

- sign 1005.883+/-0.128 χ^2/NDF: 1567285.6/49

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 3.938+/-888.211 χ^2/NDF: 23.1/21

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1360.462+/-778.735 χ^2/NDF: 33.4/26

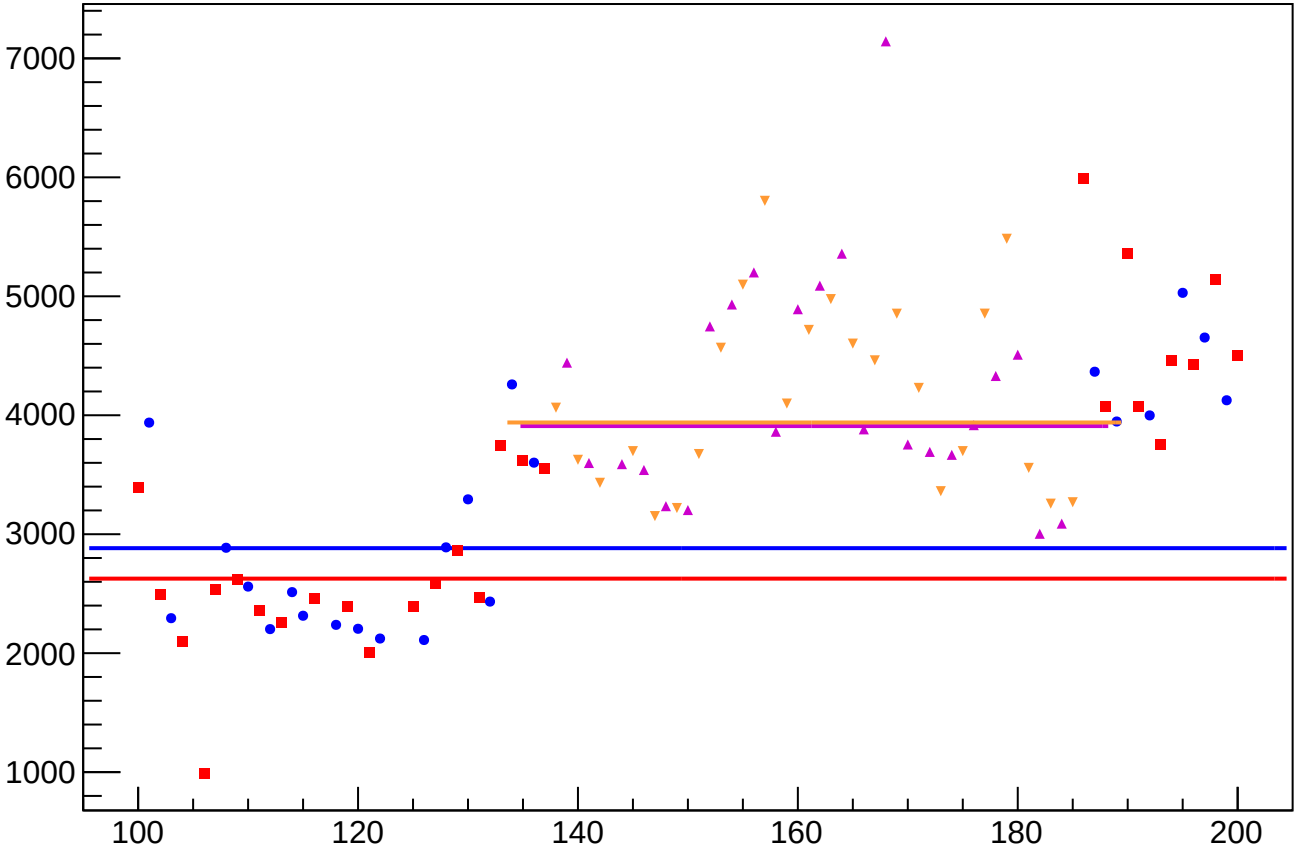
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 171.907+/-643.711 χ^2/NDF: 53.4/45

All: -378.778+/-438.024 χ^2/NDF: 103.0/95

- sign -853.646+/-597.758 χ^2/NDF: 48.2/49

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2882.738+/-0.628 χ^2/NDF: 1854346.7/21

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2626.664+/-0.551 χ^2/NDF: 3874742.8/26

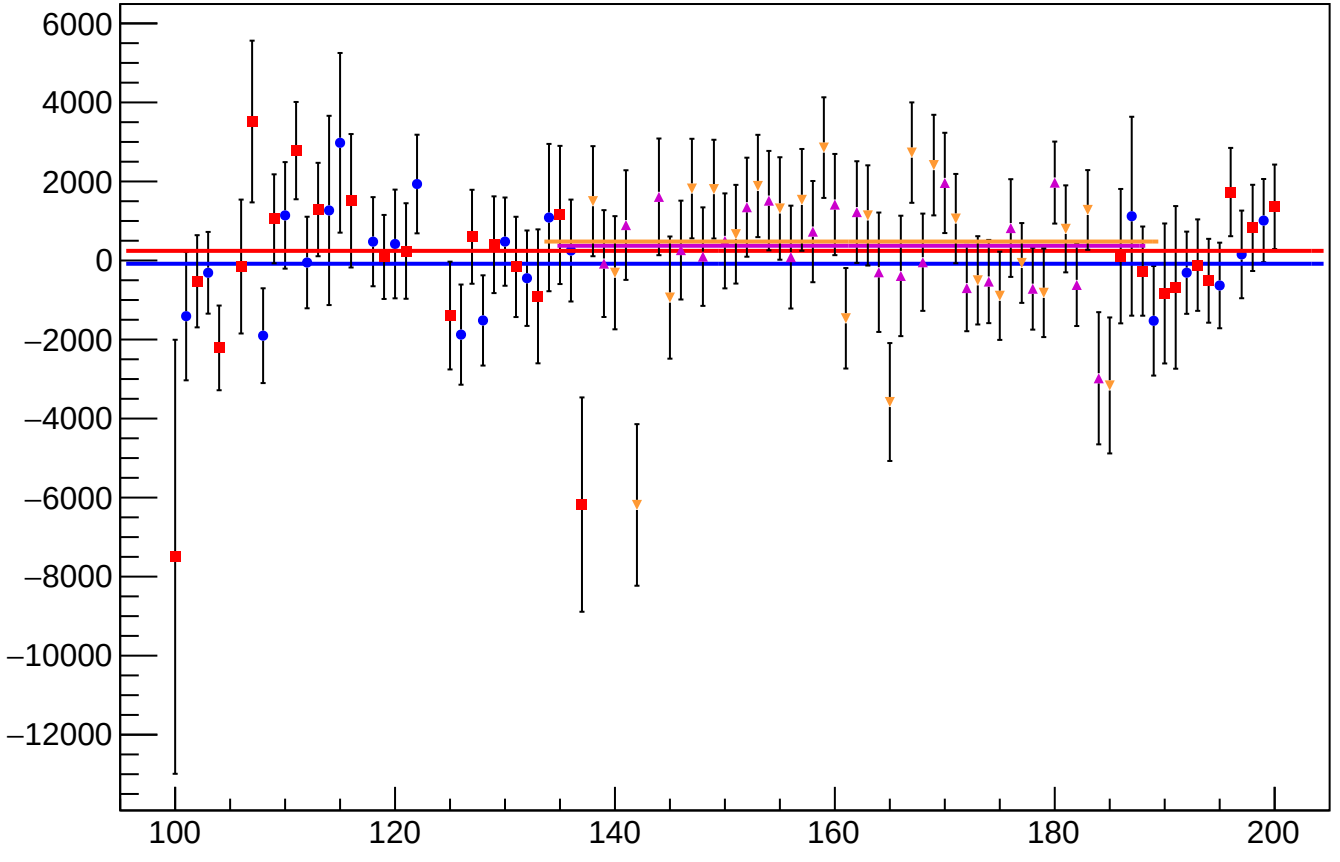
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3384.344+/-0.455 χ^2/NDF: 4290518.6/45

All: 3260.382+/-0.310 χ^2/NDF: 11832403.8/9

- sign 3153.487+/-0.423 χ^2/NDF: 7403758.8/49

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 243.766+/-254.071 χ^2/NDF: 28.9/26

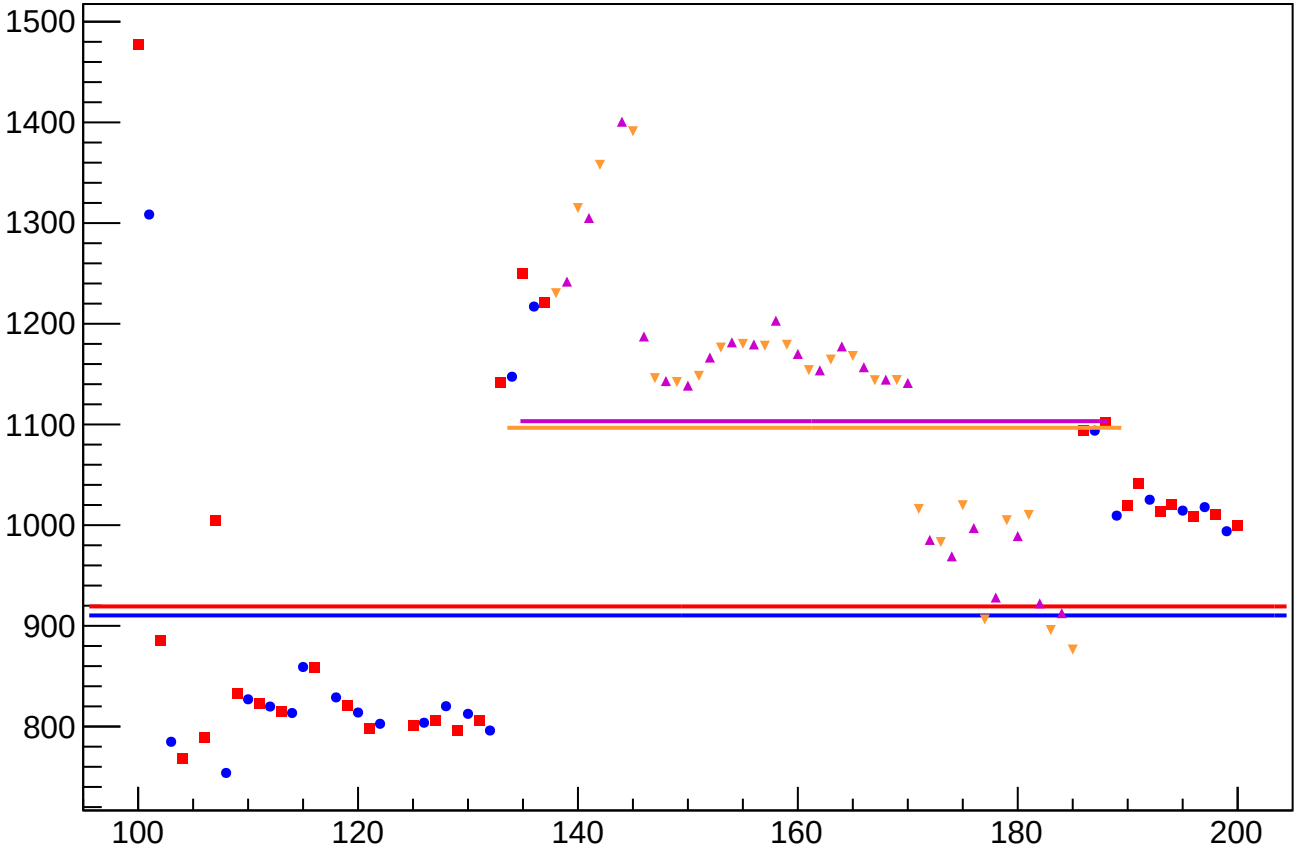
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 214.642+/-186.385 χ^2/NDF: 63.5/45

All: 262.060+/-130.025 χ^2/NDF: 108.8/95

- sign 307.015+/-181.481 χ^2/NDF: 45.1/49

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 919.281+/-0.179 χ^2/NDF: 516887.6/26

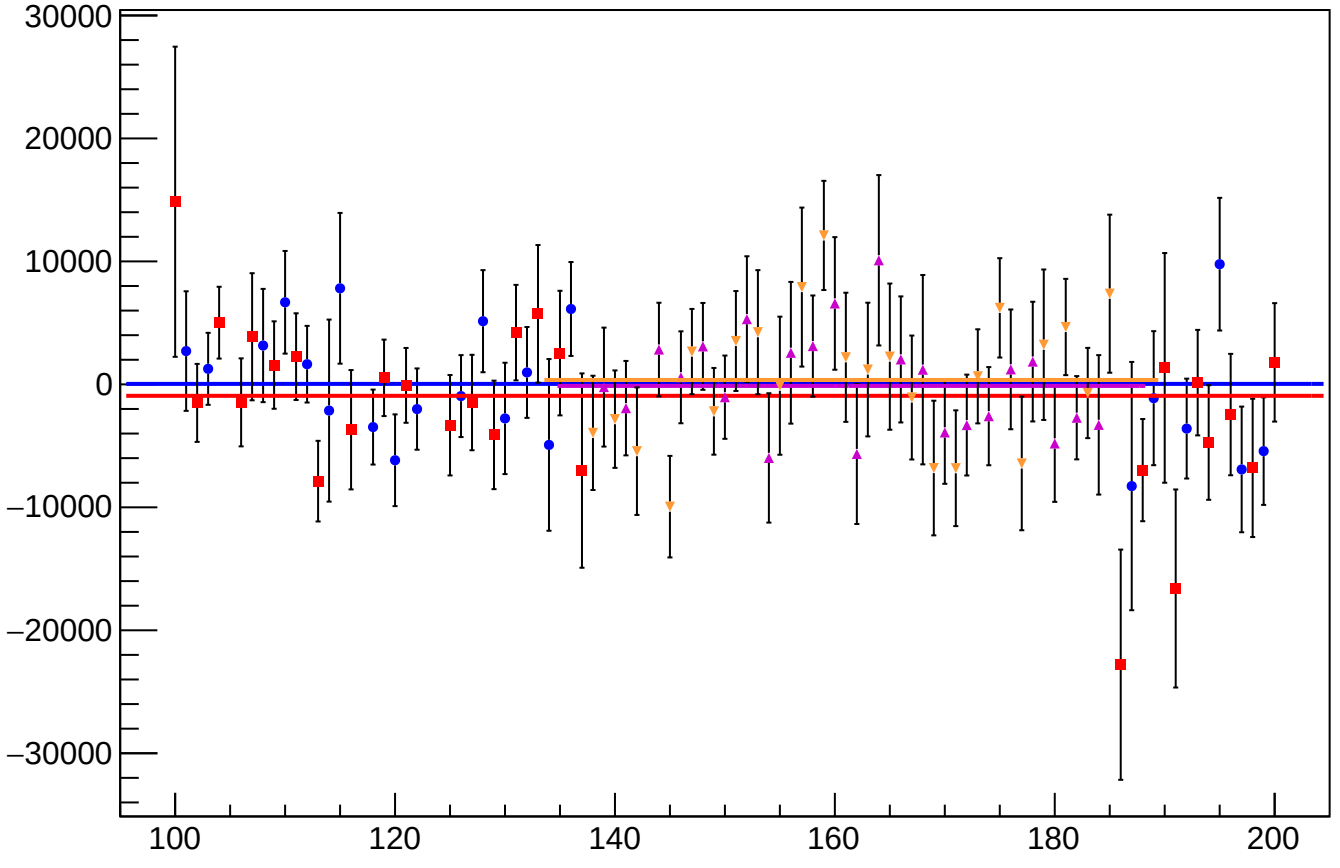
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.4/45

All: 1008.990+/-0.092 χ^2/NDF: 3002306.4/95

- sign 1009.105+/-0.128 χ^2/NDF: 1479817.3/49

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -931.850+/-819.653 χ^2/NDF: 31.8/26

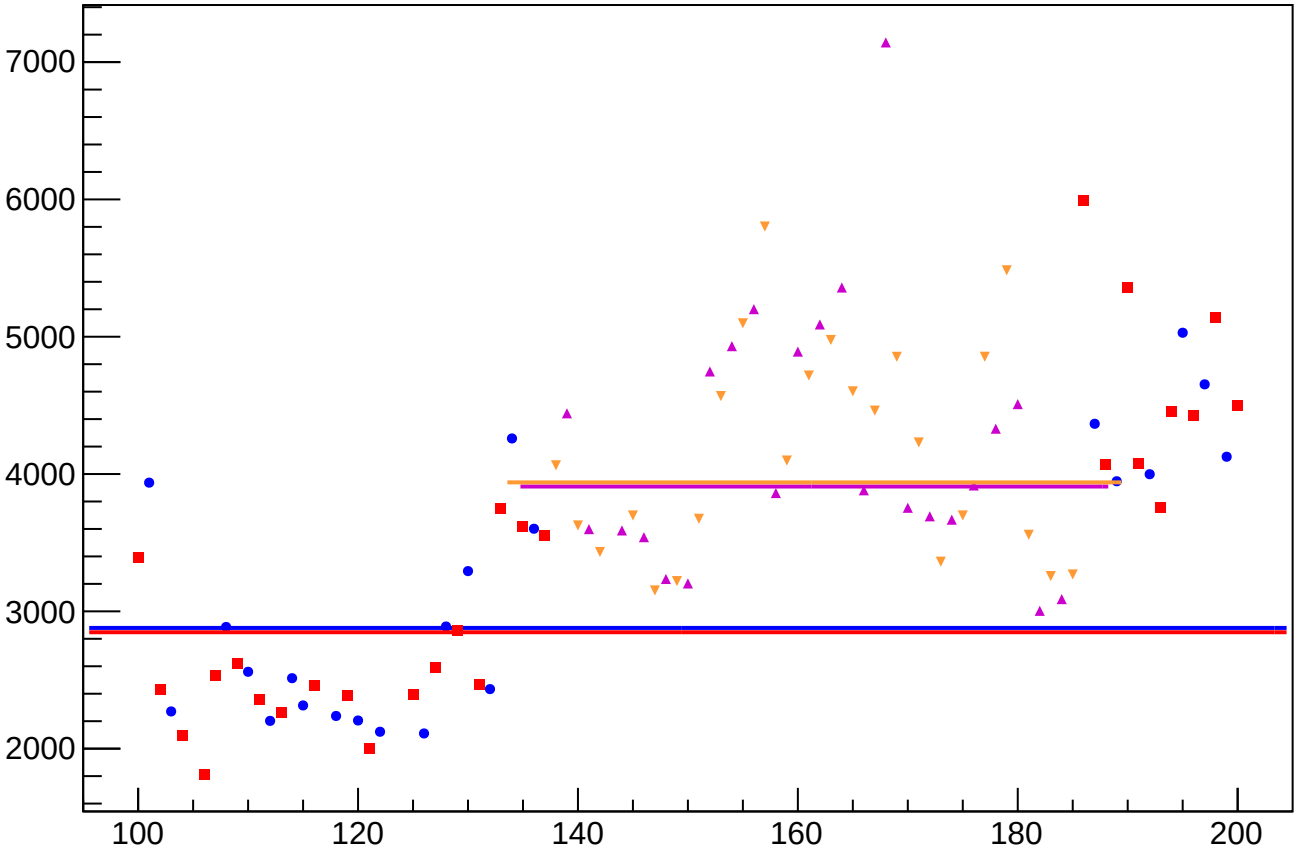
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 189.814+/-643.306 χ^2/NDF: 53.5/45

All: -212.475+/-444.796 χ^2/NDF: 100.3/95

- sign -580.949+/-615.676 χ^2/NDF: 46.0/49

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

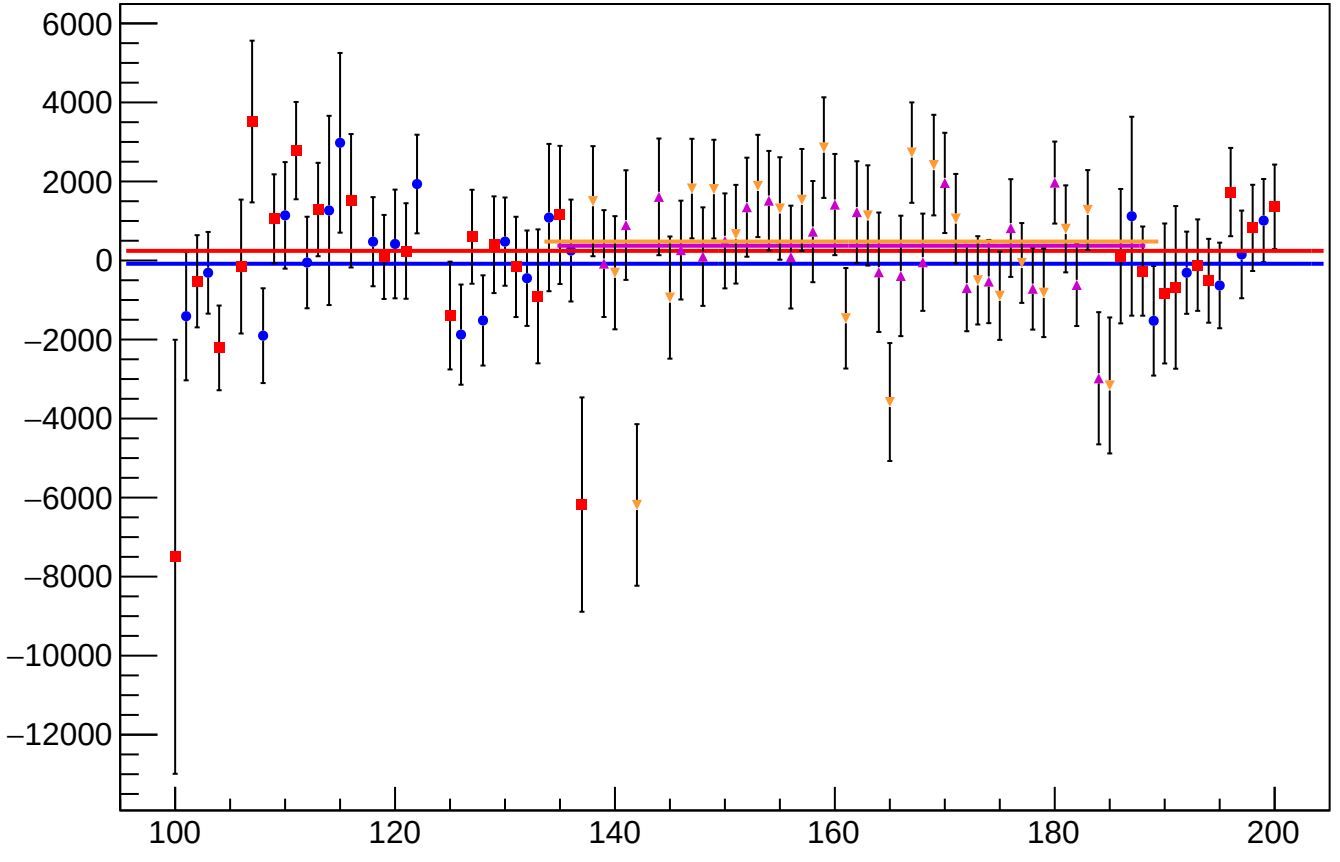
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3381.853+/-0.455 χ^2/NDF: 4309483.8/45

All: 3344.508+/-0.315 χ^2/NDF: 9609361.0/95

\- sign 3310.302+/-0.435 χ^2/NDF: 5286963.7/49

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 243.766+/-254.071 χ^2/NDF: 28.9/26

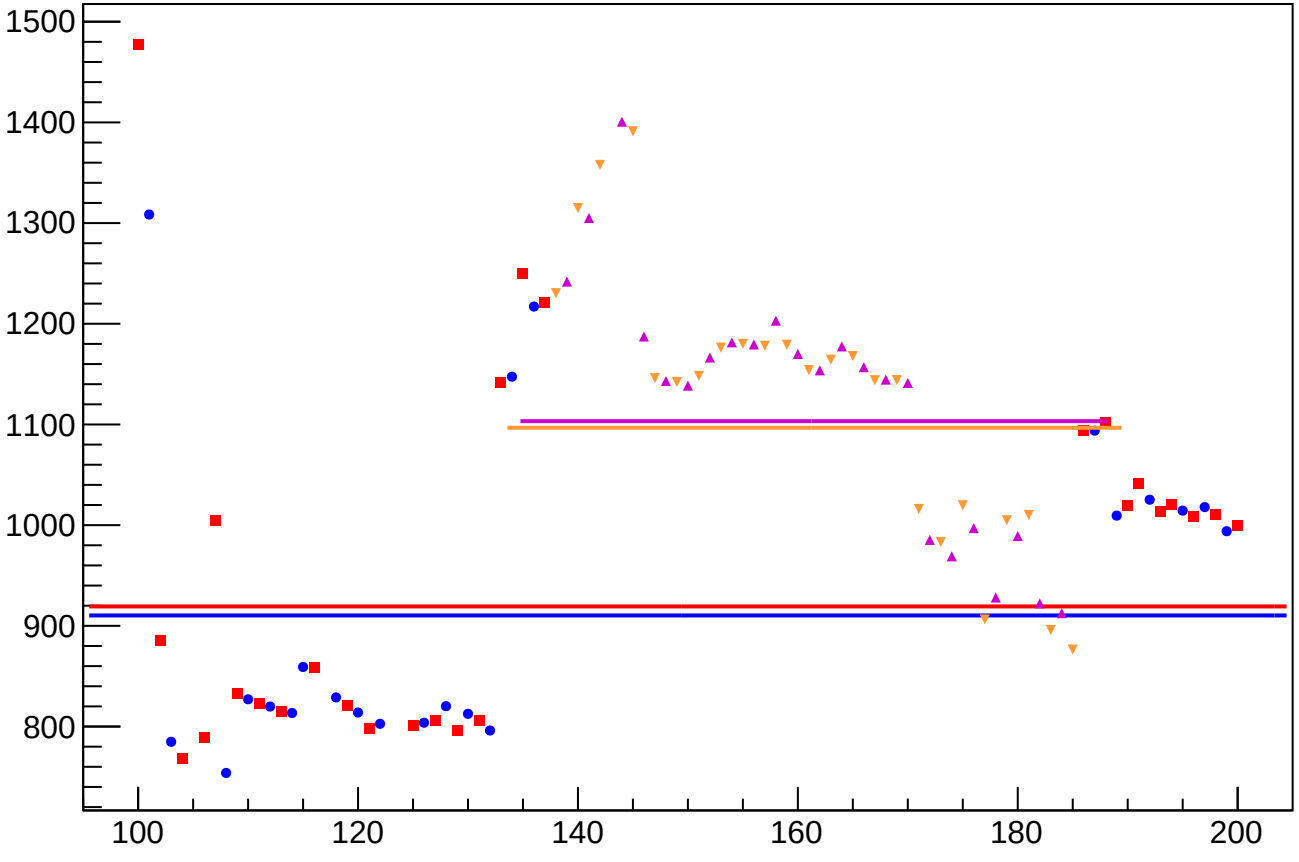
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 214.642+/-186.385 χ^2/NDF: 63.5/45

All: 262.060+/-130.025 χ^2/NDF: 108.8/95

- sign 307.015+/-181.481 χ^2/NDF: 45.1/49

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 919.281+/-0.179 χ^2/NDF: 516887.6/26

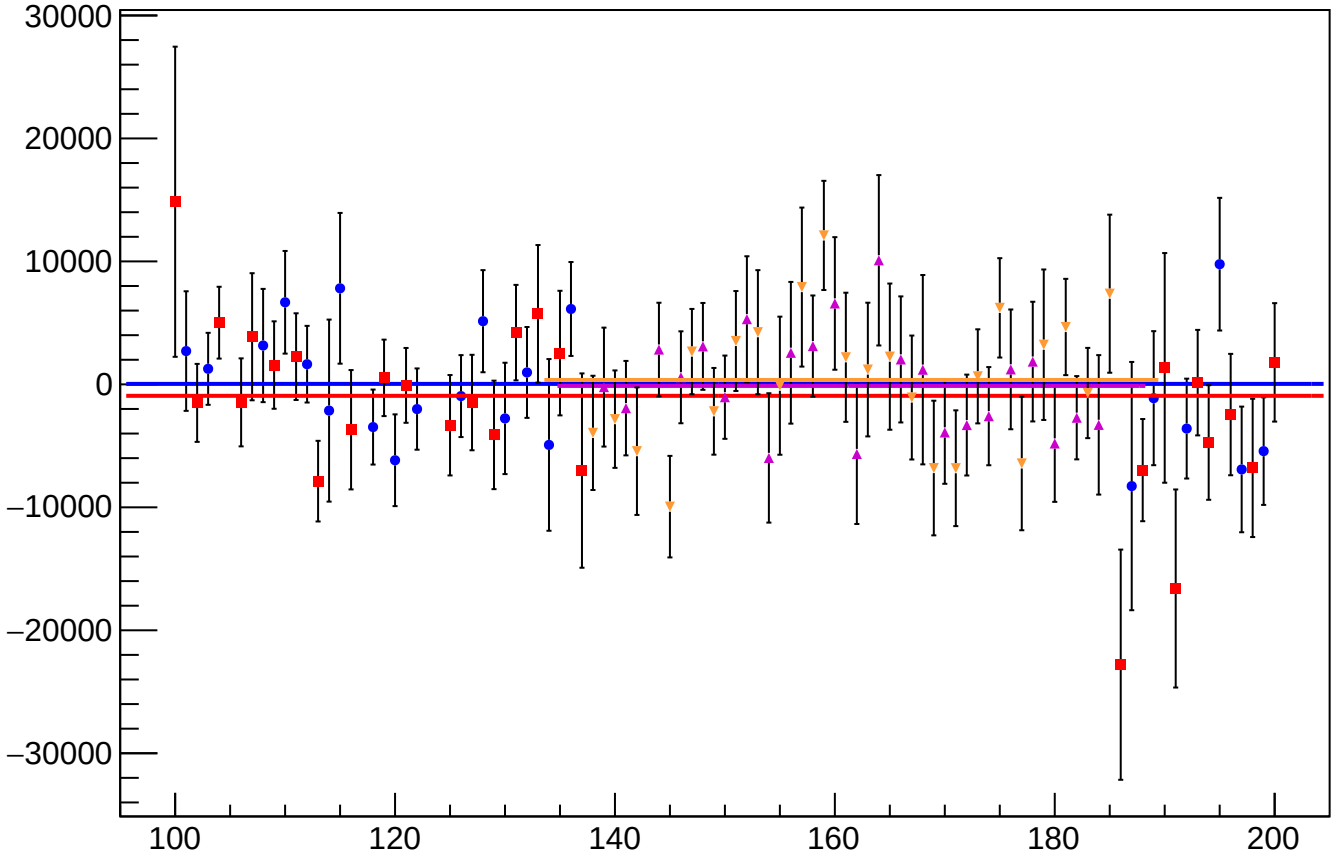
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.4/45

All: 1008.990+/-0.092 χ^2/NDF: 3002306.4/95

- sign 1009.105+/-0.128 χ^2/NDF: 1479817.3/49

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

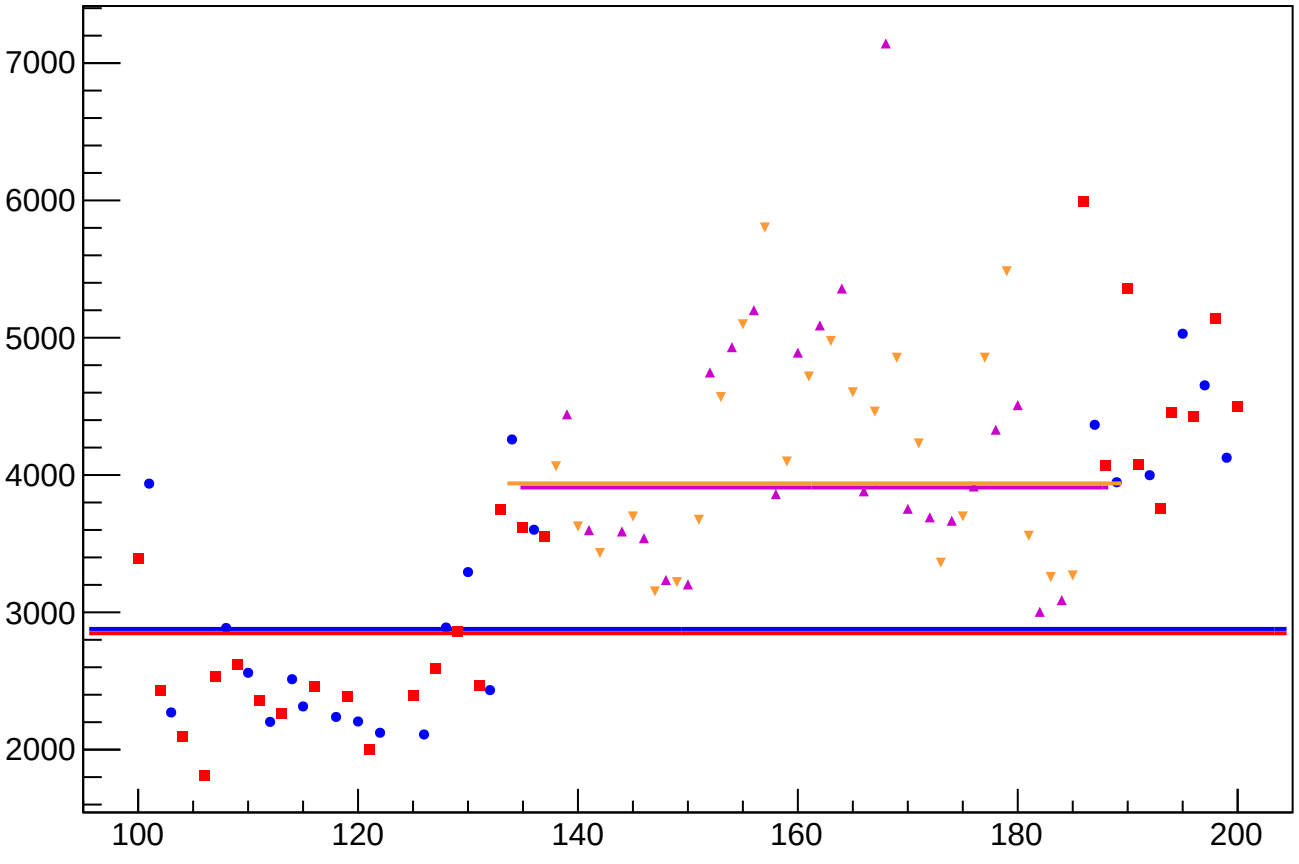
Right Out: -931.850+/-819.653 χ^2/NDF: 31.8/26

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 189.814+/-643.306 χ^2/NDF: 53.5/45

All: -212.475+/-444.796 χ^2/NDF: 100.3/95

- sign -580.949+/-615.676 χ^2/NDF: 46.0/49



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

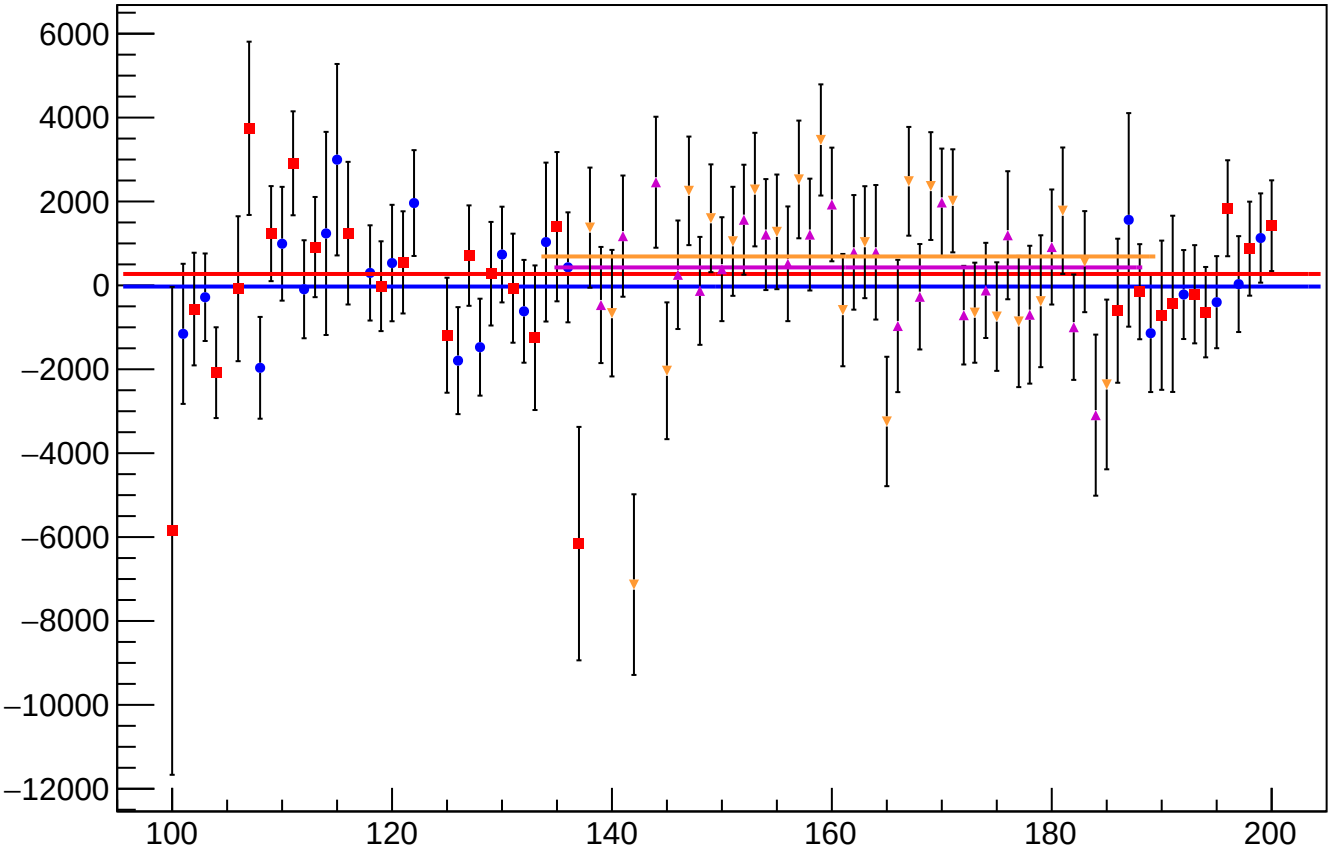
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3381.853+/-0.455 χ^2/NDF: 4309483.8/45

All: 3344.508+/-0.315 χ^2/NDF: 9609361.0/95

- sign 3310.302+/-0.435 χ^2/NDF: 5286963.7/49

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 271.835+/-258.565 χ^2/NDF: 27.9/26

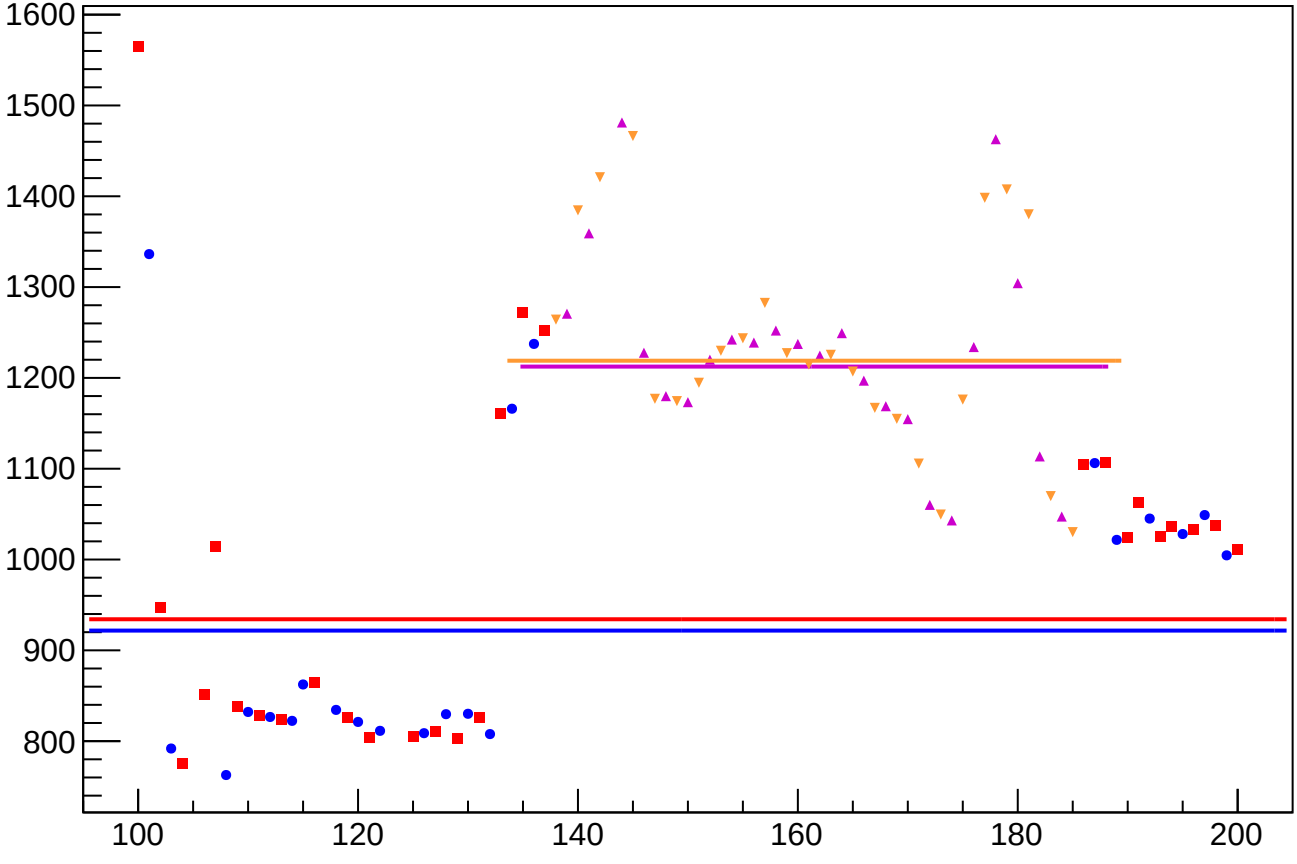
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 318.756+/-197.749 χ^2/NDF: 64.4/45

All: 331.037+/-137.497 χ^2/NDF: 107.1/95

- sign 342.532+/-191.311 χ^2/NDF: 42.7/49

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 934.230+/-0.183 χ^2/NDF: 526074.9/26

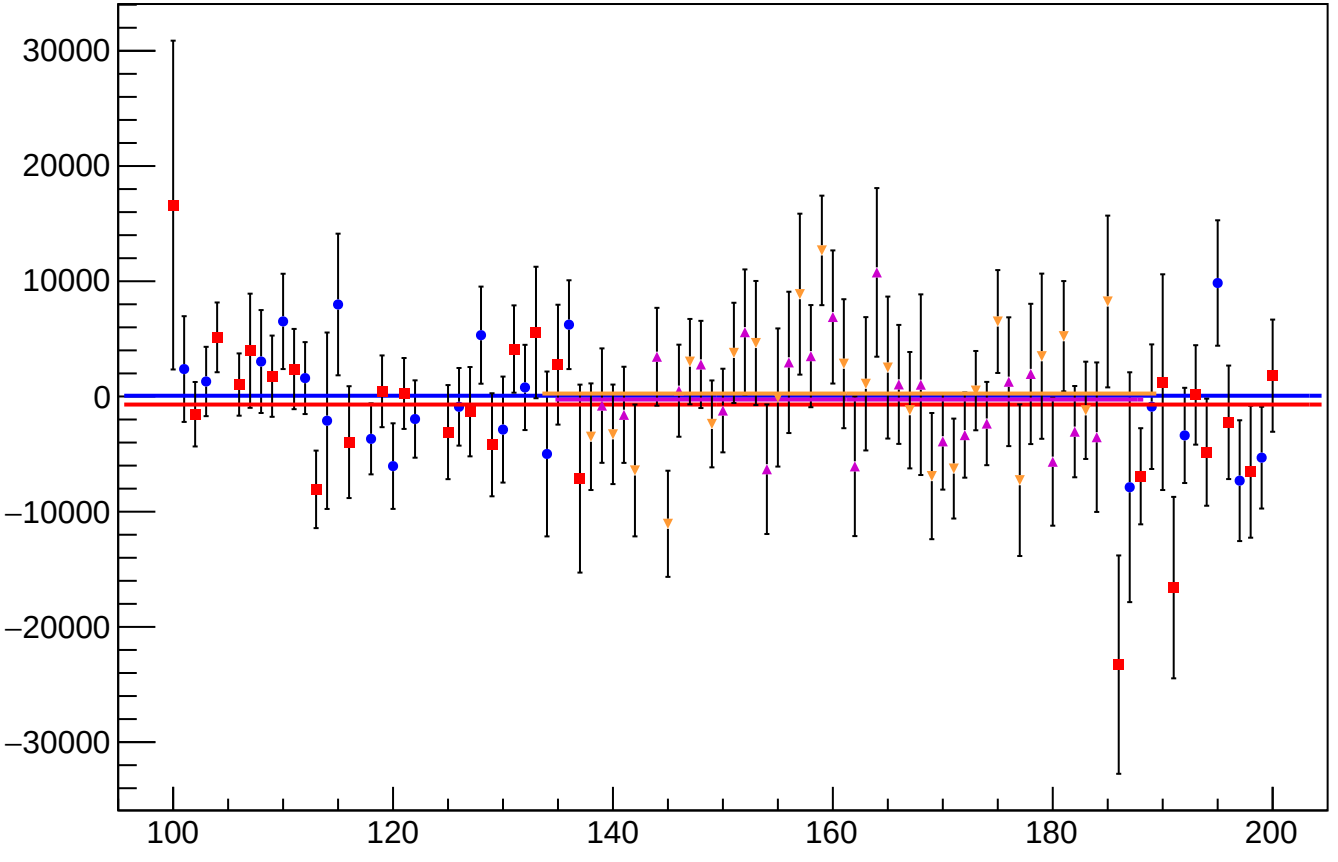
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1065.439+/-0.140 χ^2/NDF: 1985991.2/45

All: 1062.657+/-0.097 χ^2/NDF: 3821660.0/95

- sign 1060.054+/-0.135 χ^2/NDF: 1834902.6/49

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 63.622+/-892.596 χ^2/NDF: 23.0/21

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -701.642+/-800.417 χ^2/NDF: 32.4/26

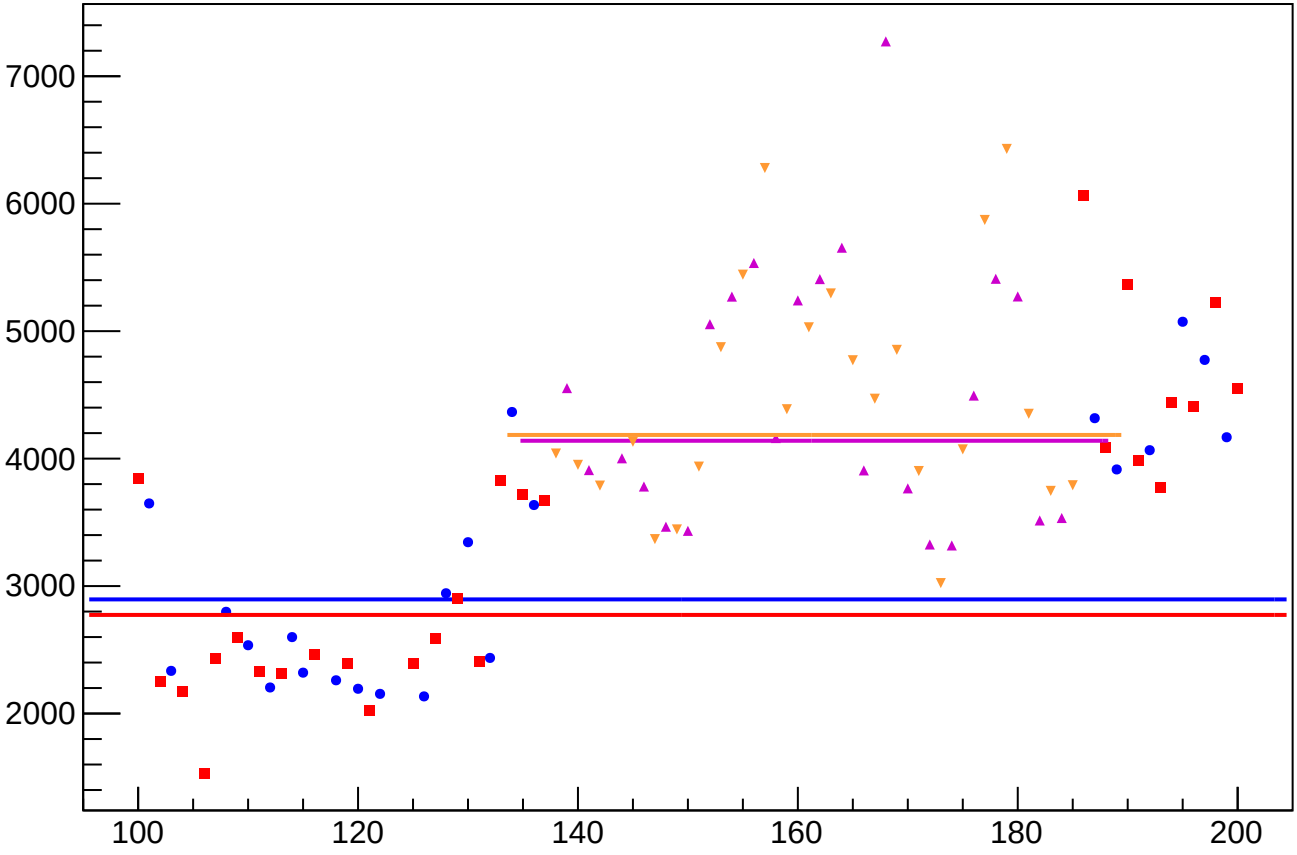
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 147.965+/-664.469 χ^2/NDF: 52.7/45

All: -212.889+/-454.268 χ^2/NDF: 99.2/95

- sign -529.549+/-622.451 χ^2/NDF: 46.0/49

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2895.452+/-0.631 χ^2/NDF: 1837226.6/21

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2773.676+/-0.566 χ^2/NDF: 2885187.0/26

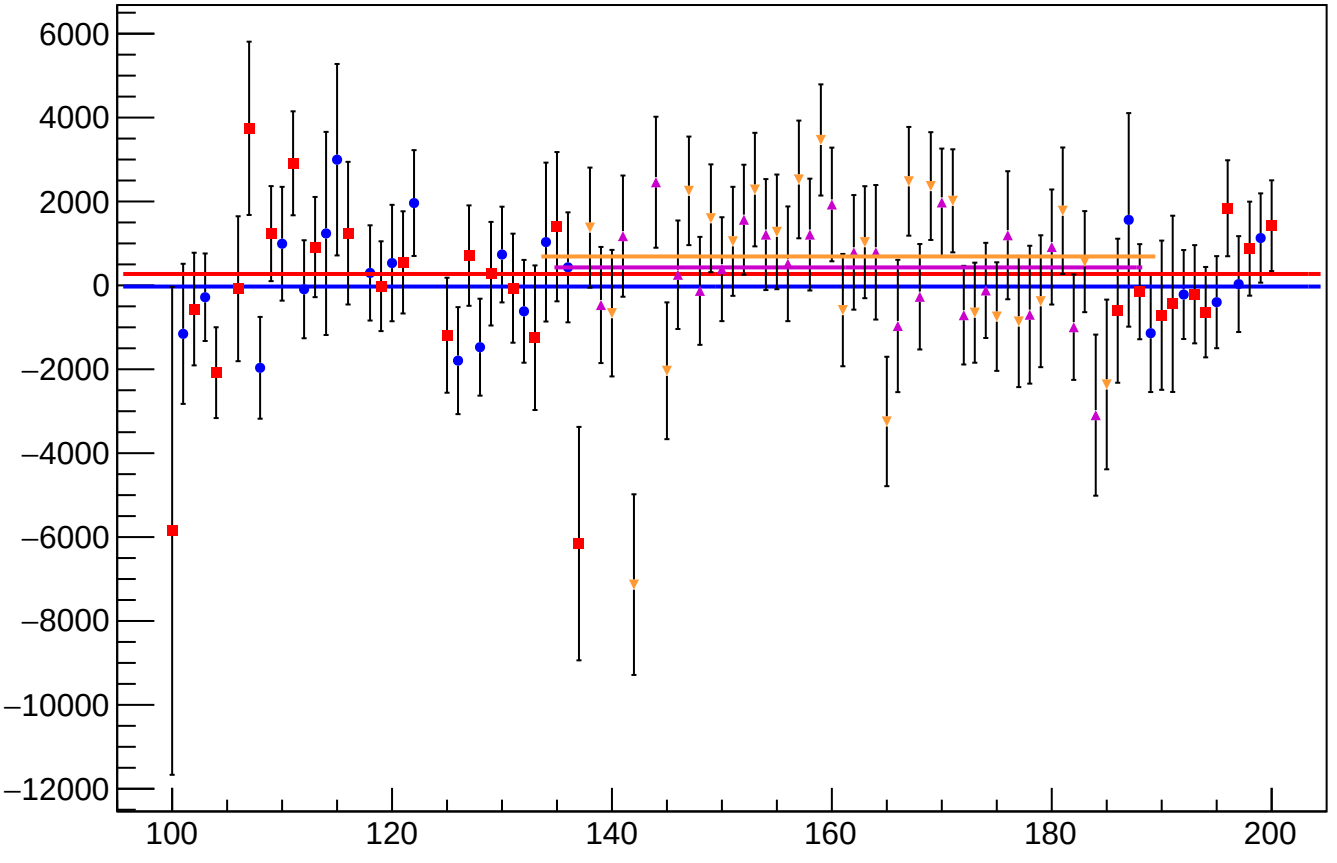
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3470.668+/-0.470 χ^2/NDF: 4971463.1/45

All: 3387.081+/-0.321 χ^2/NDF: 11669587.6/9

- sign 3313.731+/-0.440 χ^2/NDF: 6638702.4/49

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 271.837+/-258.565 χ^2/NDF: 27.9/26

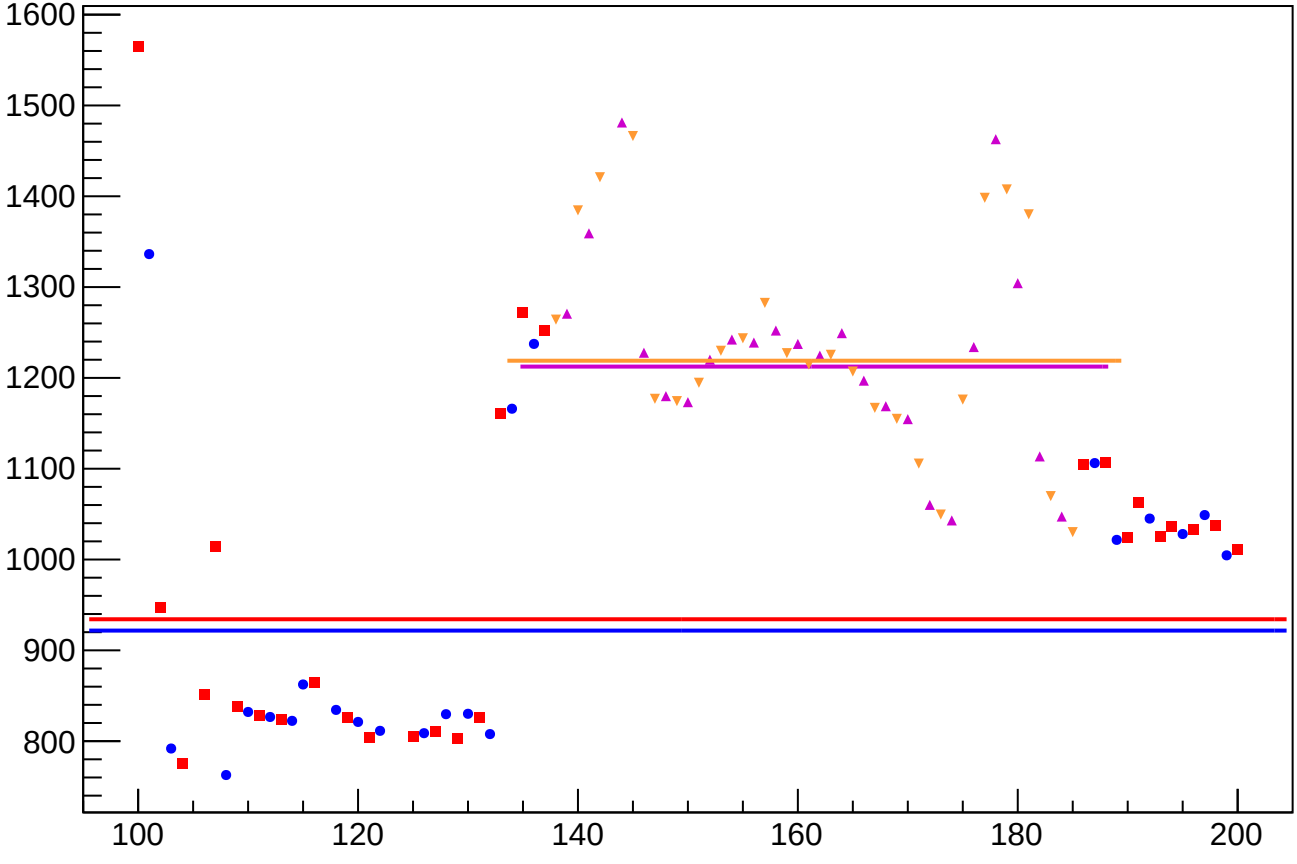
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 318.757+/-197.749 χ^2/NDF: 64.4/45

All: 331.038+/-137.497 χ^2/NDF: 107.1/95

- sign 342.532+/-191.311 χ^2/NDF: 42.7/49

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

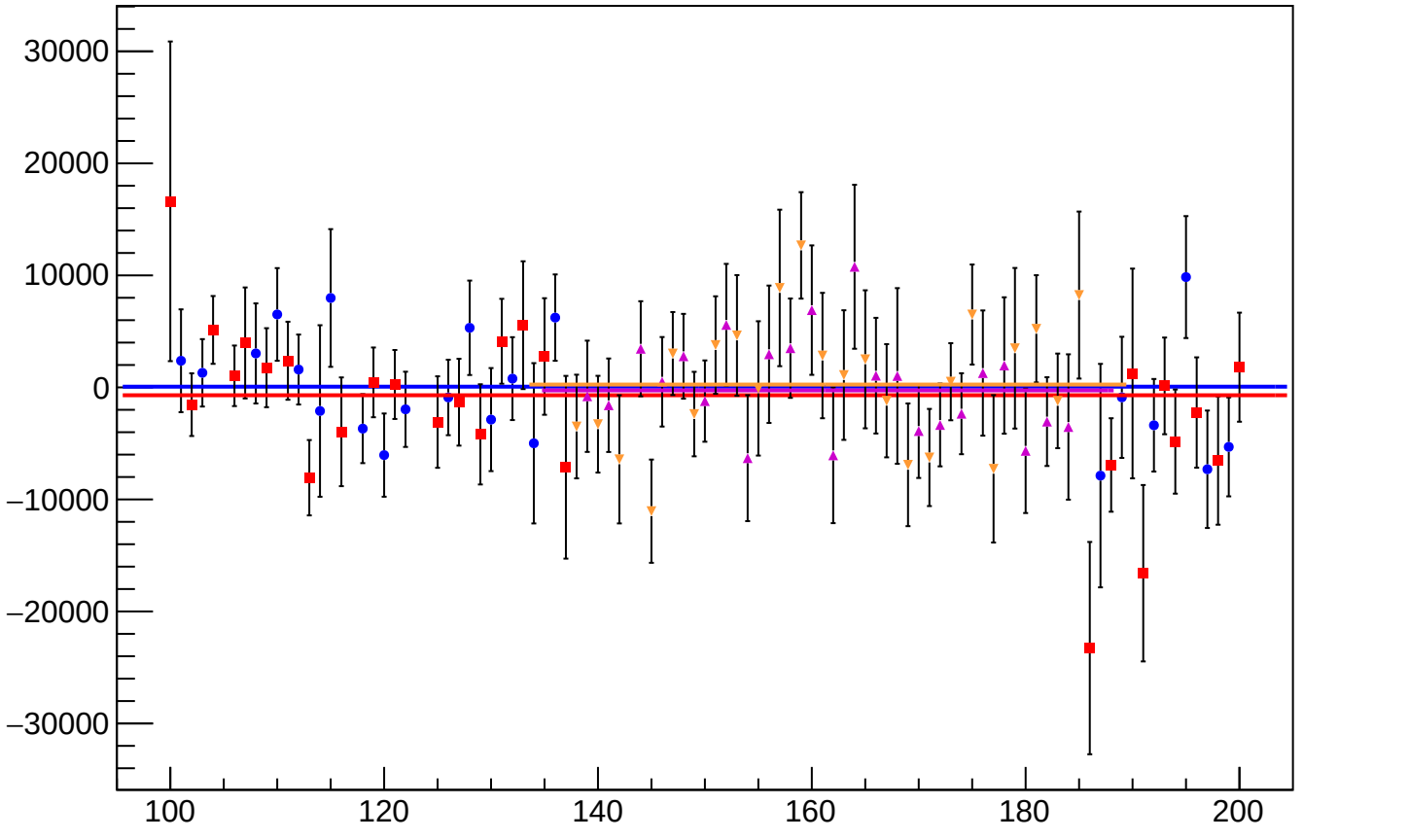
Right Out: 934.230+/-0.183 χ^2/NDF: 526075.3/26

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1065.439+/-0.140 χ^2/NDF: 1986008.1/45

All: 1062.657+/-0.097 χ^2/NDF: 3821693.4/95

- sign 1060.055+/-0.135 χ^2/NDF: 1834919.0/49



Right In: 63.620+/-892.594 χ^2/NDF: 23.0/21

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -701.637+/-800.415 χ^2/NDF: 32.4/26

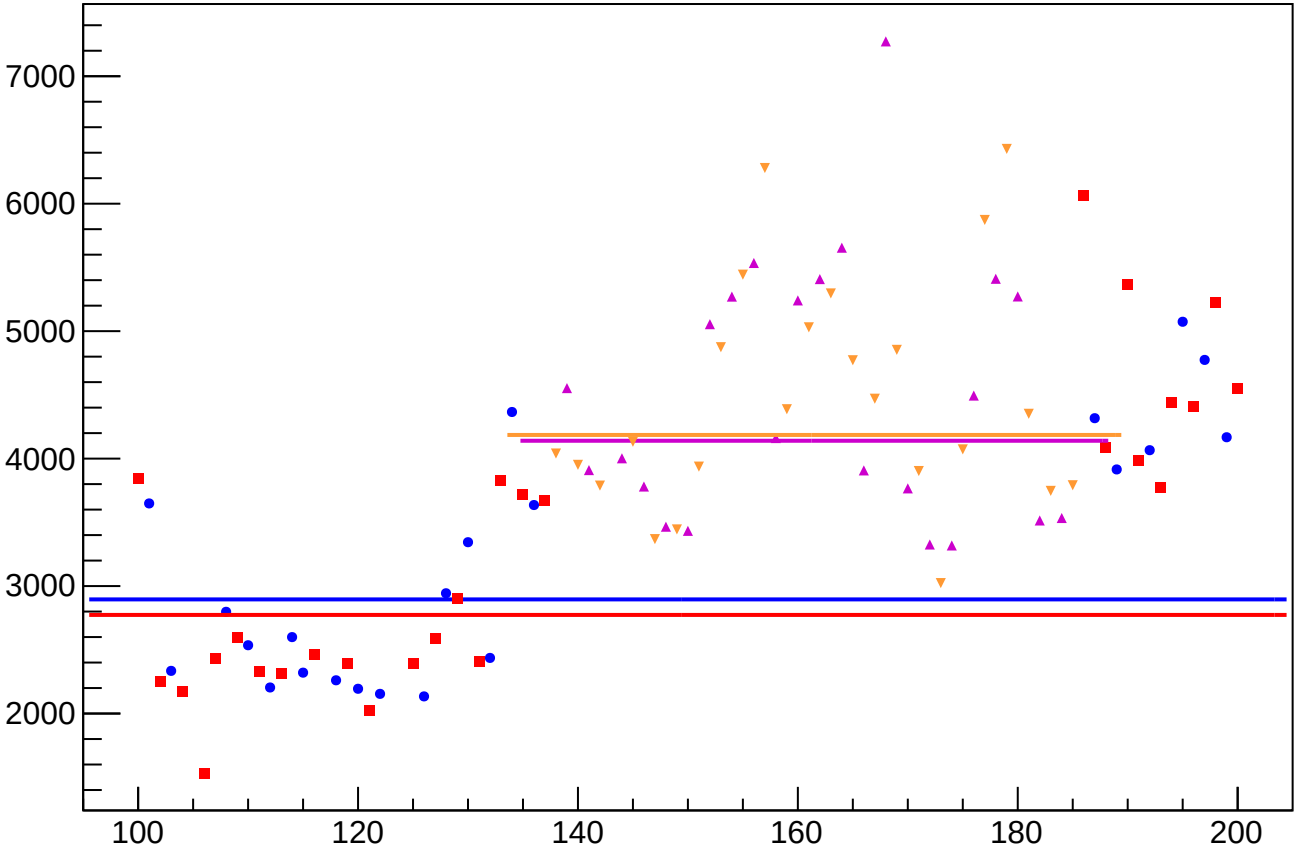
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 147.965+/-664.469 χ^2/NDF: 52.7/45

All: -212.888+/-454.268 χ^2/NDF: 99.2/95

- sign -529.547+/-622.451 χ^2/NDF: 46.0/49

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2895.444+/-0.631 χ^2/NDF: 1837252.1/21

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2773.669+/-0.566 χ^2/NDF: 2885212.0/26

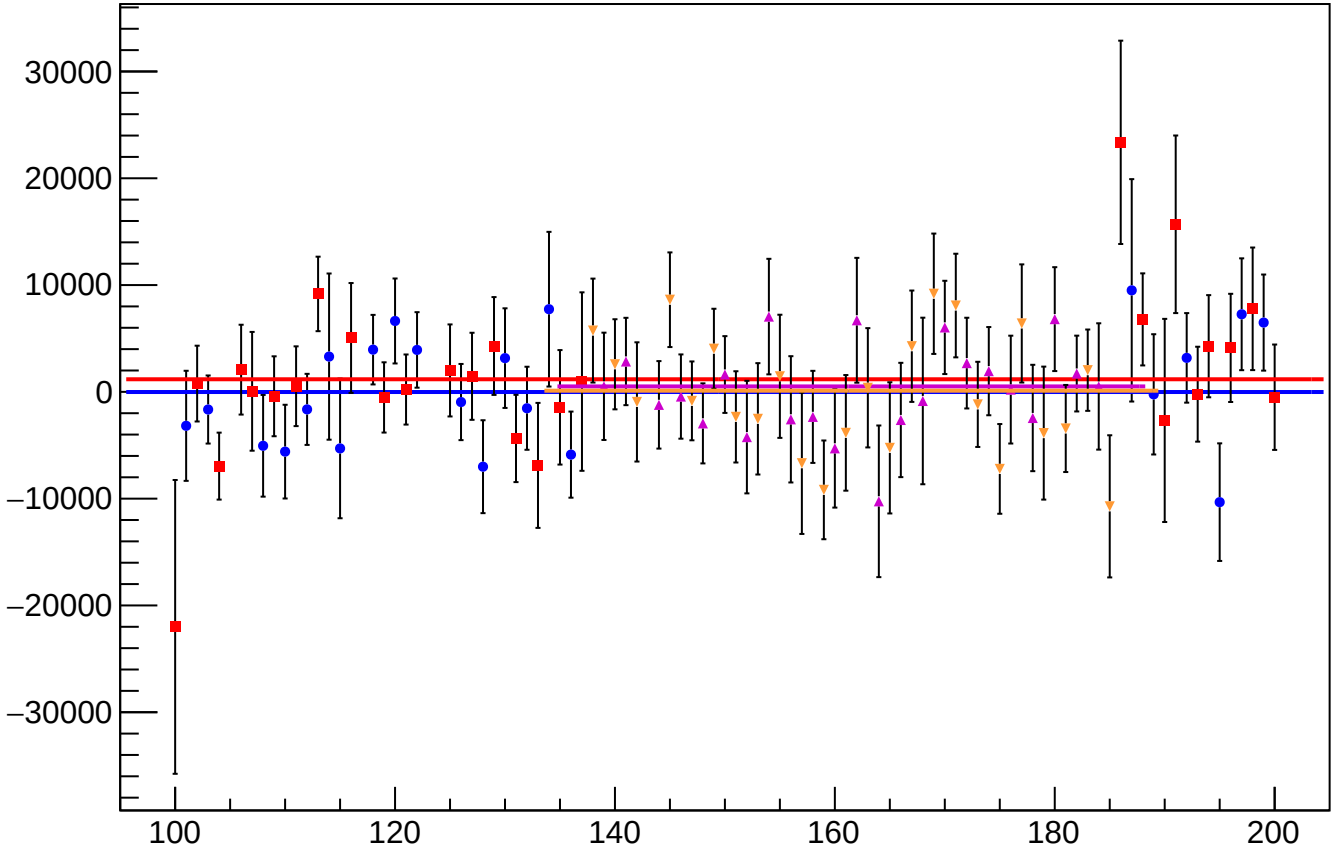
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3470.665+/-0.470 χ^2/NDF: 4971534.2/45

All: 3387.077+/-0.321 χ^2/NDF: 11669730.9/9

- sign 3313.727+/-0.440 χ^2/NDF: 6638774.5/49

asym_usl_atl2_dd_mean vs Slug



Right In: -14.943+/-936.382 χ^2/NDF: 25.5/21

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1179.006+/-870.802 χ^2/NDF: 33.2/26

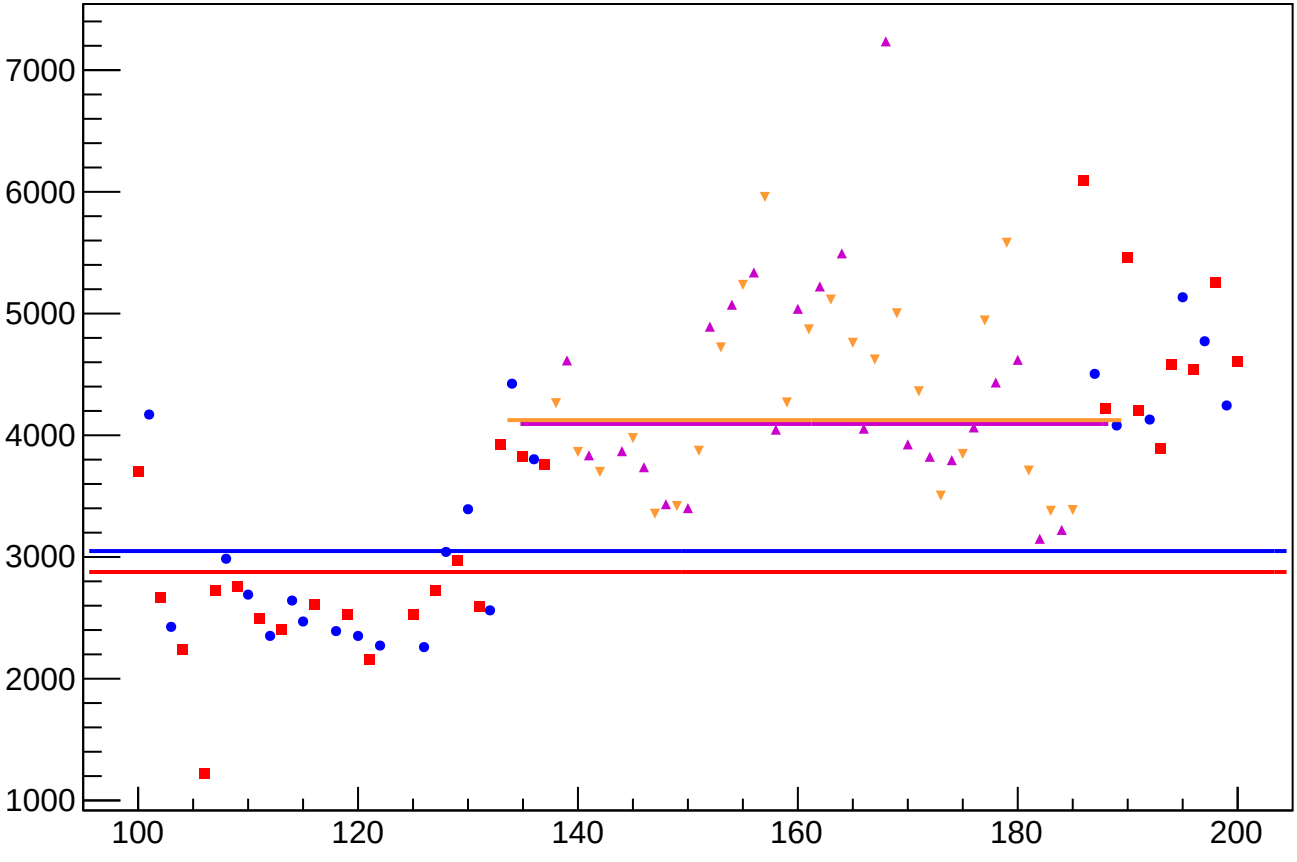
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 44.471+/-675.561 χ^2/NDF: 53.5/45

All: 479.581+/-468.107 χ^2/NDF: 101.2/95

- sign 881.435+/-649.231 χ^2/NDF: 46.9/49

asym_usl_atl2_dd_rms vs Slug



Right In: 3048.890+/-0.662 χ^2/NDF: 1699318.7/21

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2876.852+/-0.594 χ^2/NDF: 3101691.5/26

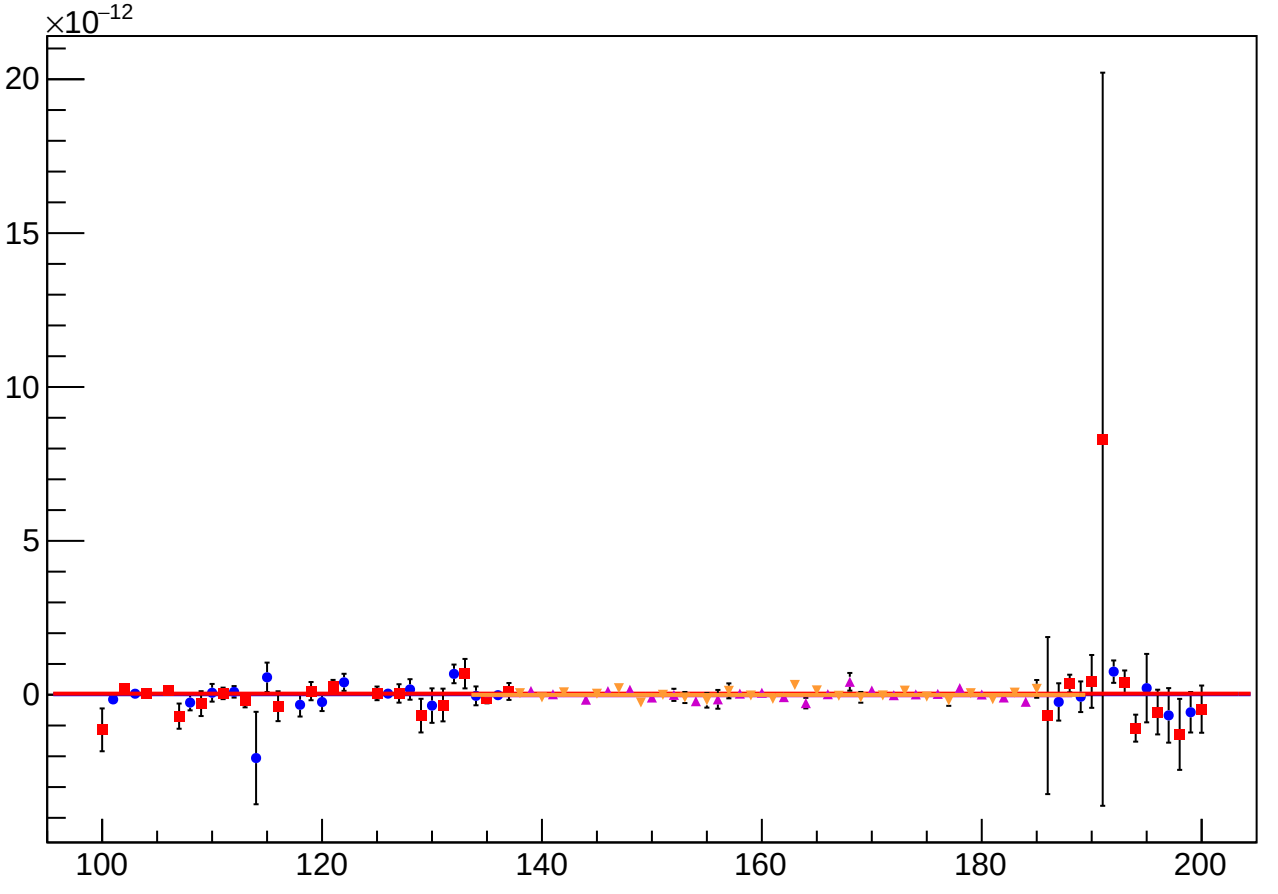
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

\+ sign 3564.634+/-0.478 χ^2/NDF: 3934591.3/45

All: 3474.740+/-0.327 χ^2/NDF: 10054924.6/9

\- sign 3395.088+/-0.450 χ^2/NDF: 6053541.7/49

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

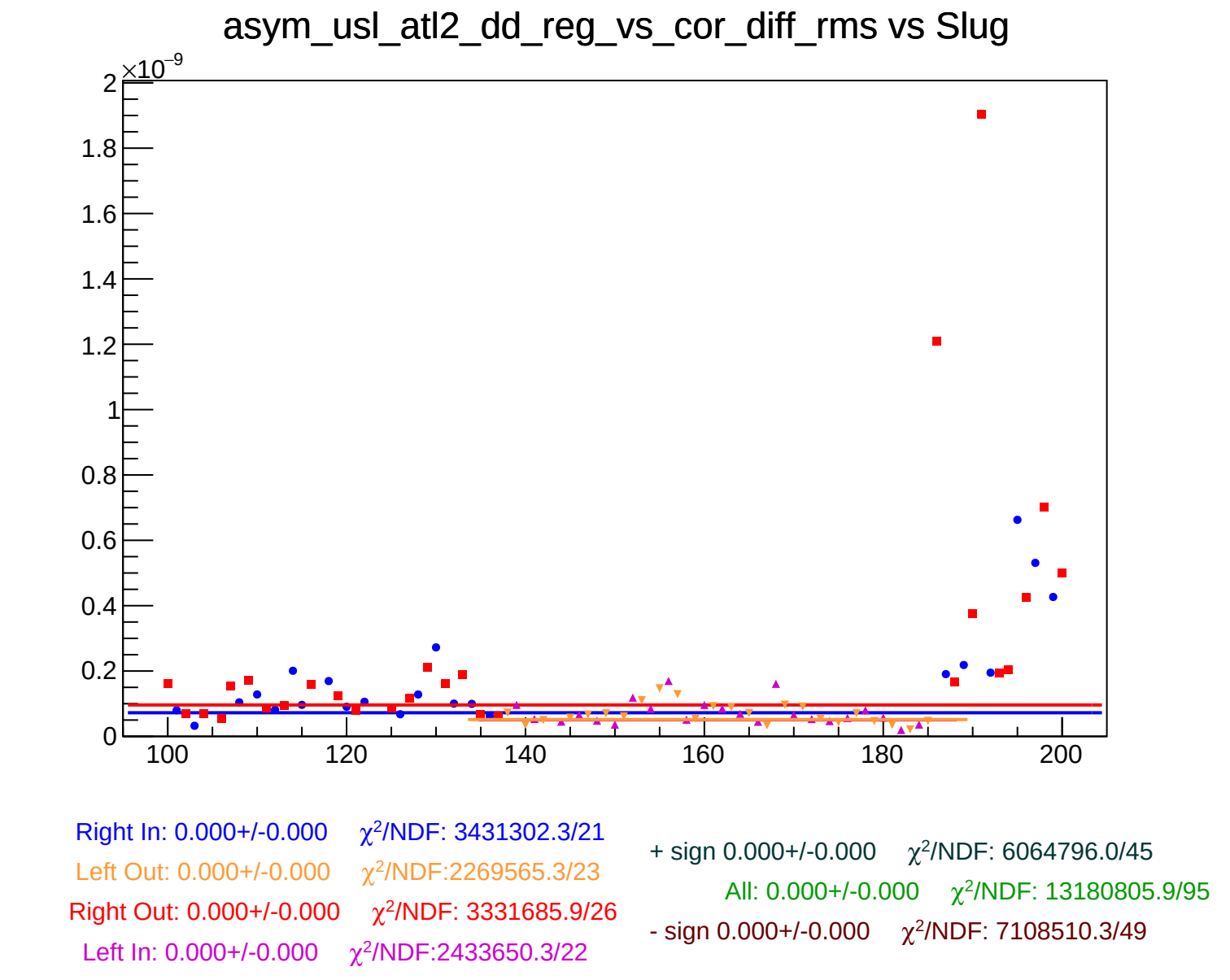
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/45

All: -0.000+/-0.000 χ^2/NDF: 101.1/95

- sign -0.000+/-0.000 χ^2/NDF: 55.6/49


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug
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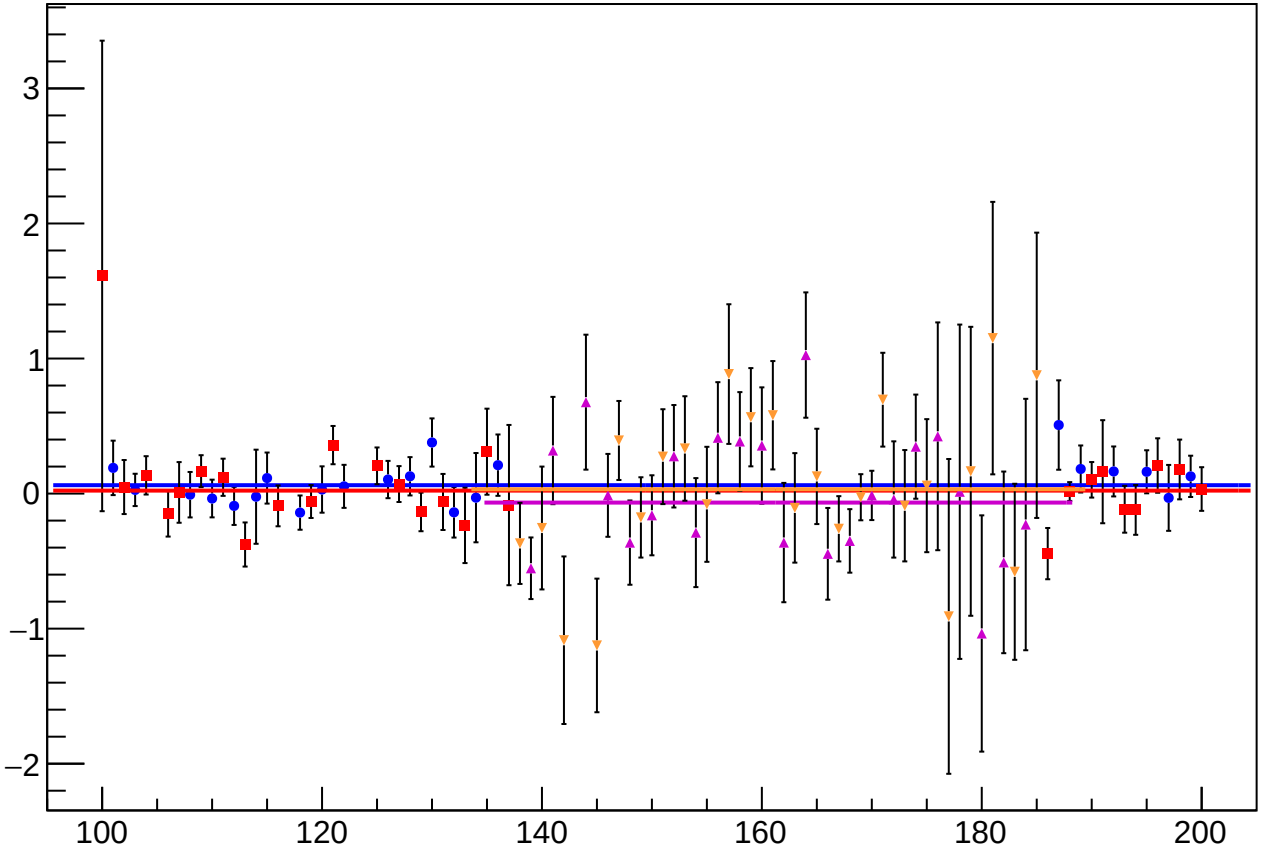
Right In: 0.000+/-0.000 χ²/NDF: 3431302.3/21
Left Out: 0.000+/-0.000 χ²/NDF:2269565.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3331685.9/26
Left In: 0.000+/-0.000 χ²/NDF:2433650.3/22
+ sign 0.000+/-0.000 χ²/NDF: 6064796.0/45
All: 0.000+/-0.000 χ²/NDF: 13180805.9/95
- sign 0.000+/-0.000 χ²/NDF: 7108510.3/49

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.022+/-0.030 χ^2/NDF: 31.3/26

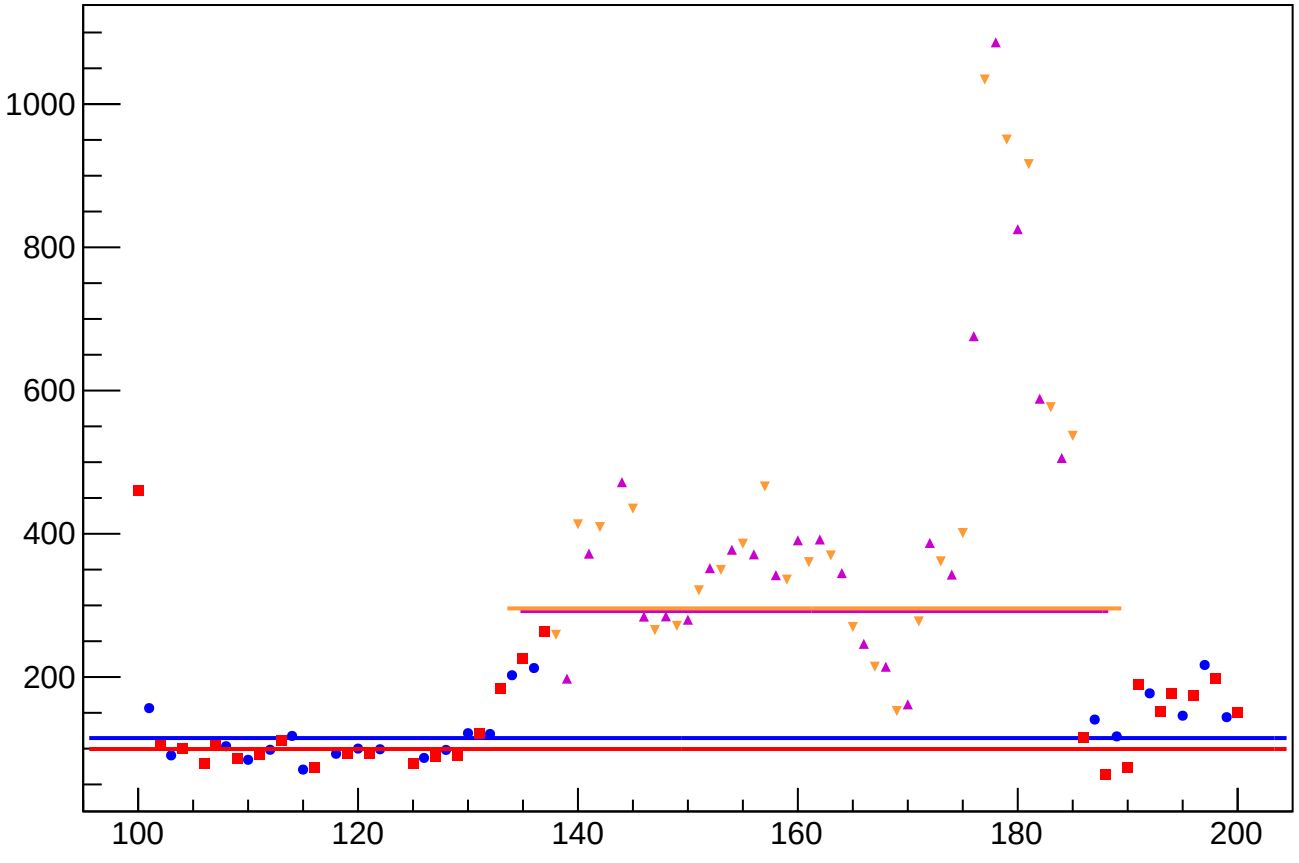
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.057+/-0.033 χ^2/NDF: 43.3/45

All: 0.030+/-0.021 χ^2/NDF: 102.8/95

- sign 0.010+/-0.028 χ^2/NDF: 58.2/49

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

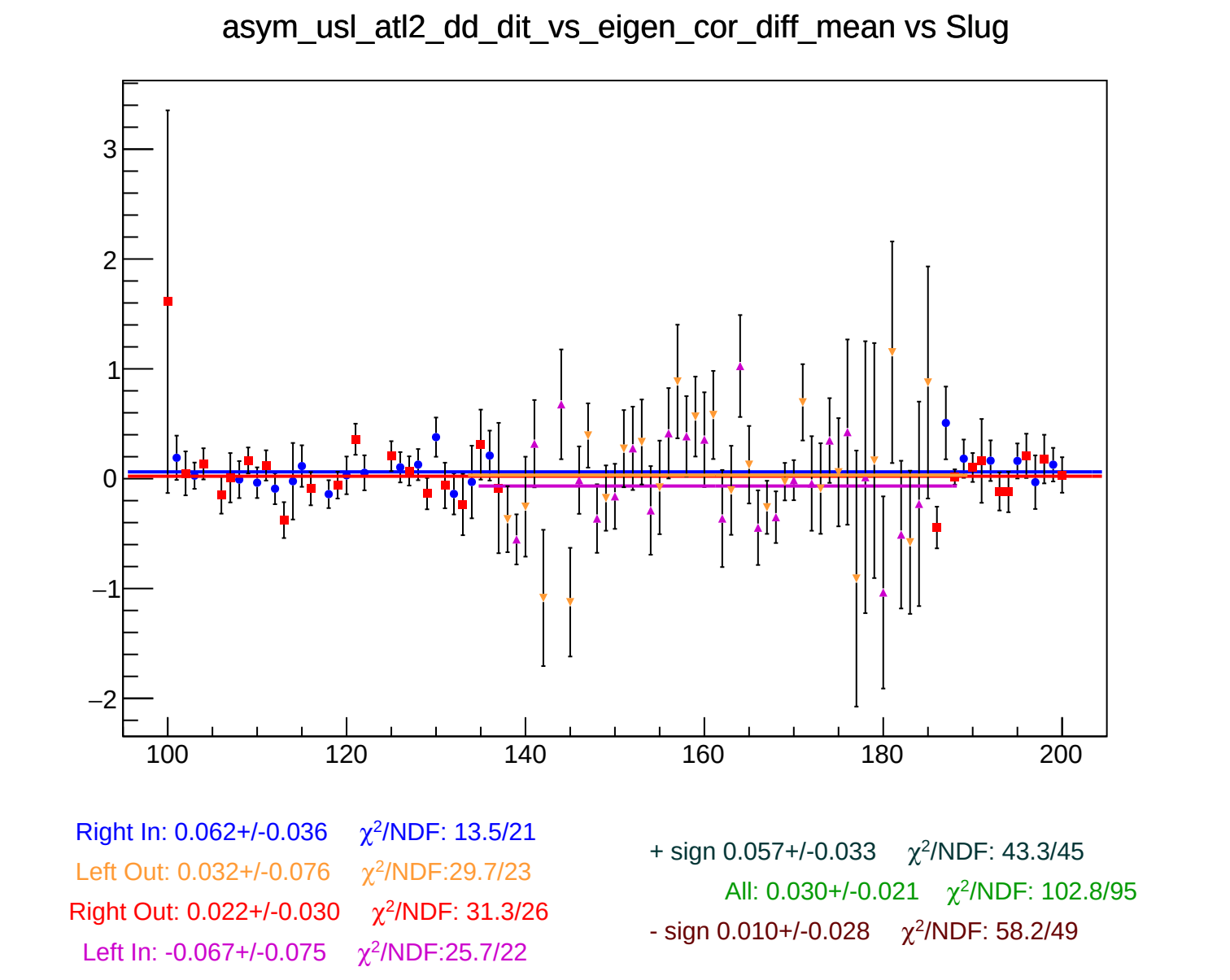
Right Out: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.190+/-0.023 χ^2/NDF: 16617781.8/45

All: 135.542+/-0.015 χ^2/NDF: 36733895.9/95

- sign 126.314+/-0.020 χ^2/NDF: 19597368.0/49


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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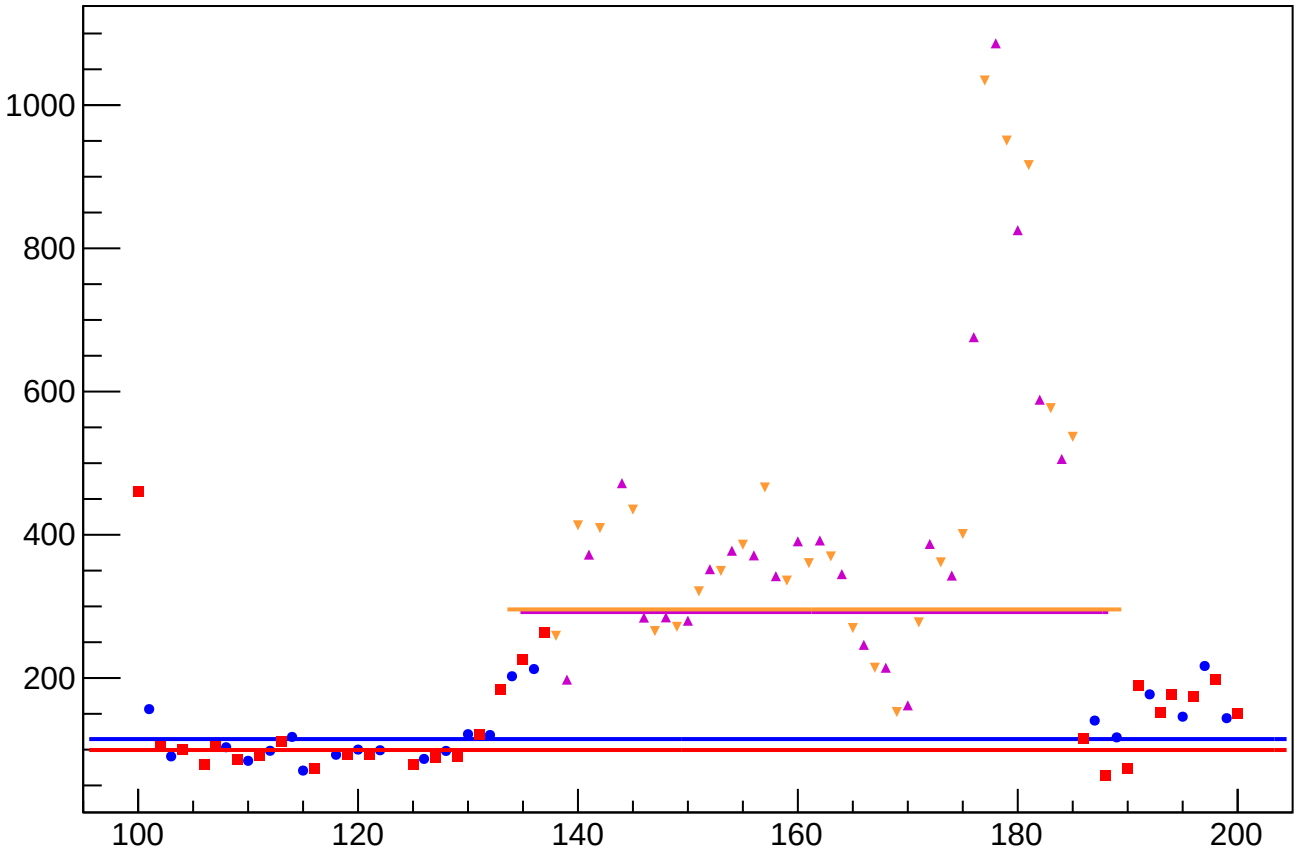
Right In: 0.062+/-0.036 χ²/NDF: 13.5/21
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.022+/-0.030 χ²/NDF: 31.3/26
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.057+/-0.033 χ²/NDF: 43.3/45
All: 0.030+/-0.021 χ²/NDF: 102.8/95
- sign 0.010+/-0.028 χ²/NDF: 58.2/49



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

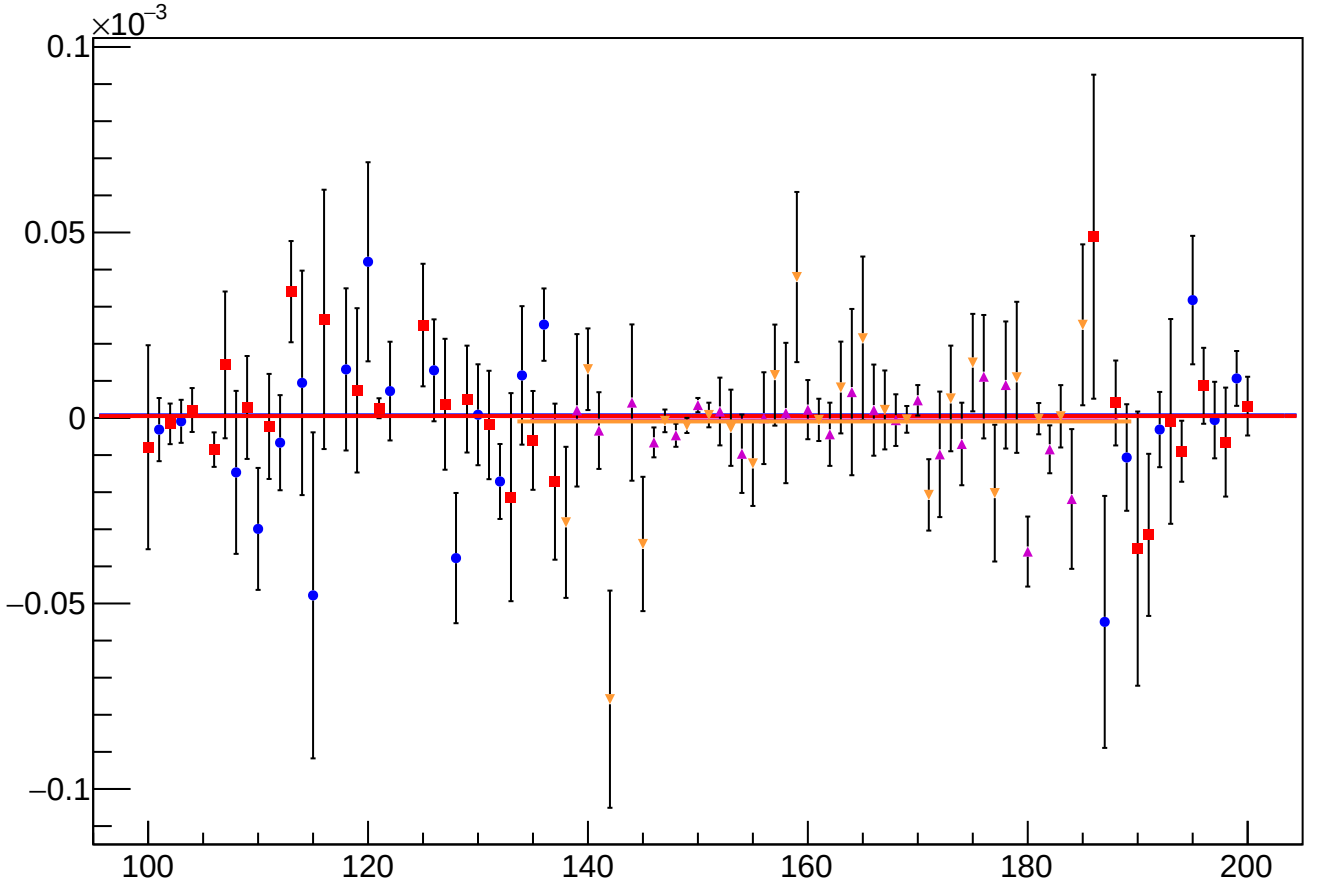
Right Out: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.190+/-0.023 χ^2/NDF: 16617781.8/45

All: 135.542+/-0.015 χ^2/NDF: 36733895.9/95

- sign 126.314+/-0.020 χ^2/NDF: 19597368.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

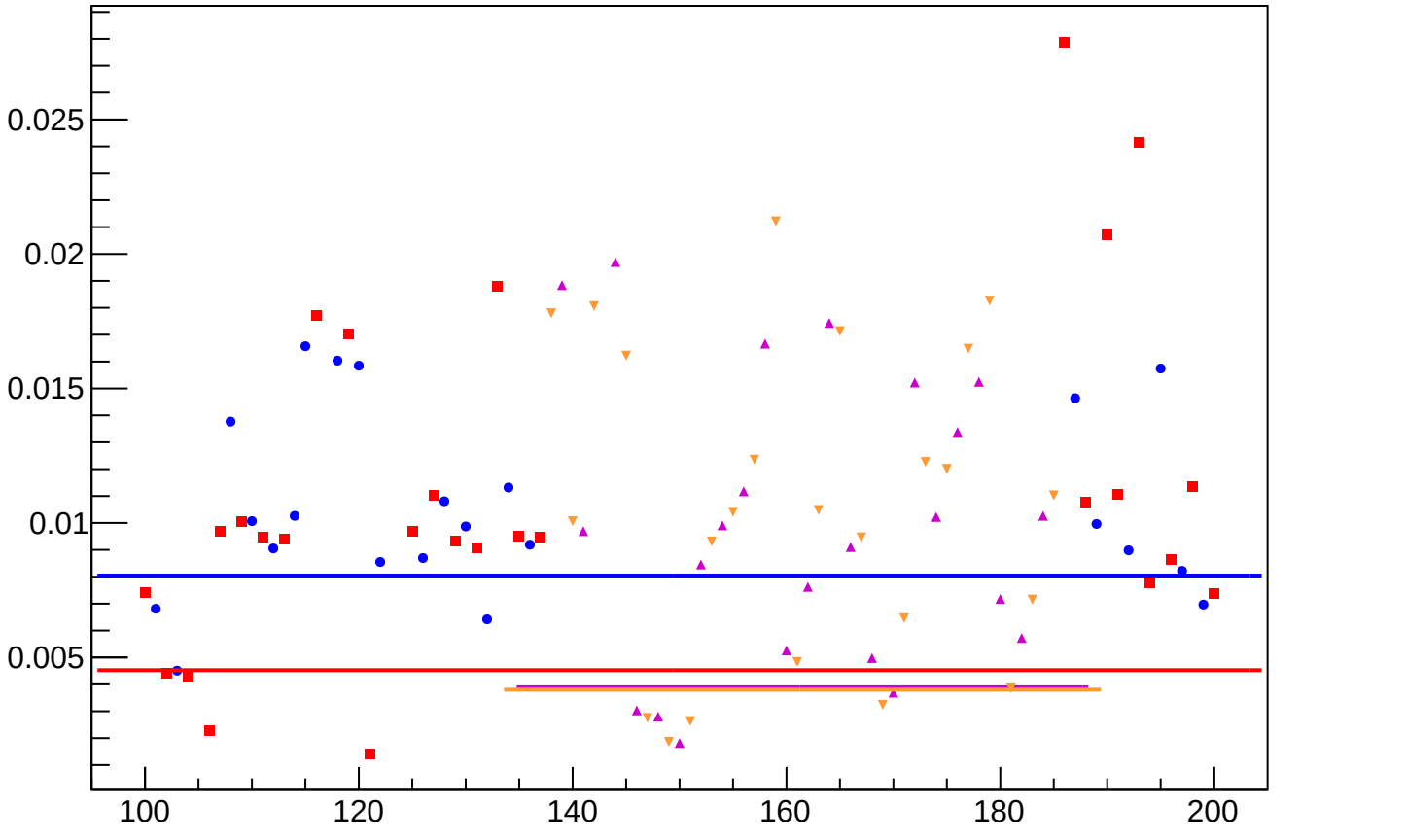
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/26

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.1/45

All: -0.000+/-0.000 χ^2/NDF: 114.9/95

- sign -0.000+/-0.000 χ^2/NDF: 52.7/49



Right In: 0.008+/-0.000 χ^2/NDF: 2287582.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 10941955.4/26

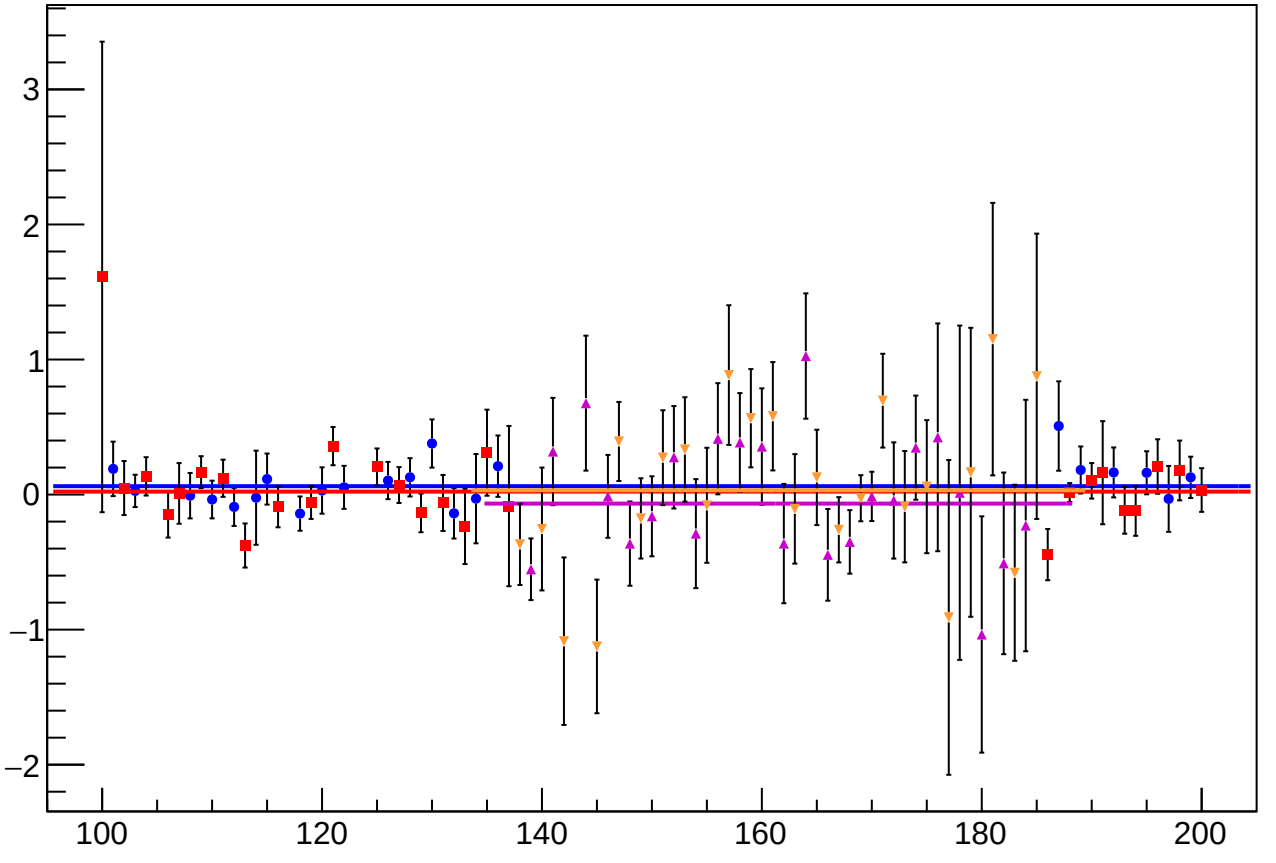
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 21357097.5/45

All: 0.004+/-0.000 χ^2/NDF: 46182323.4/95

- sign 0.004+/-0.000 χ^2/NDF: 24651023.8/49

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

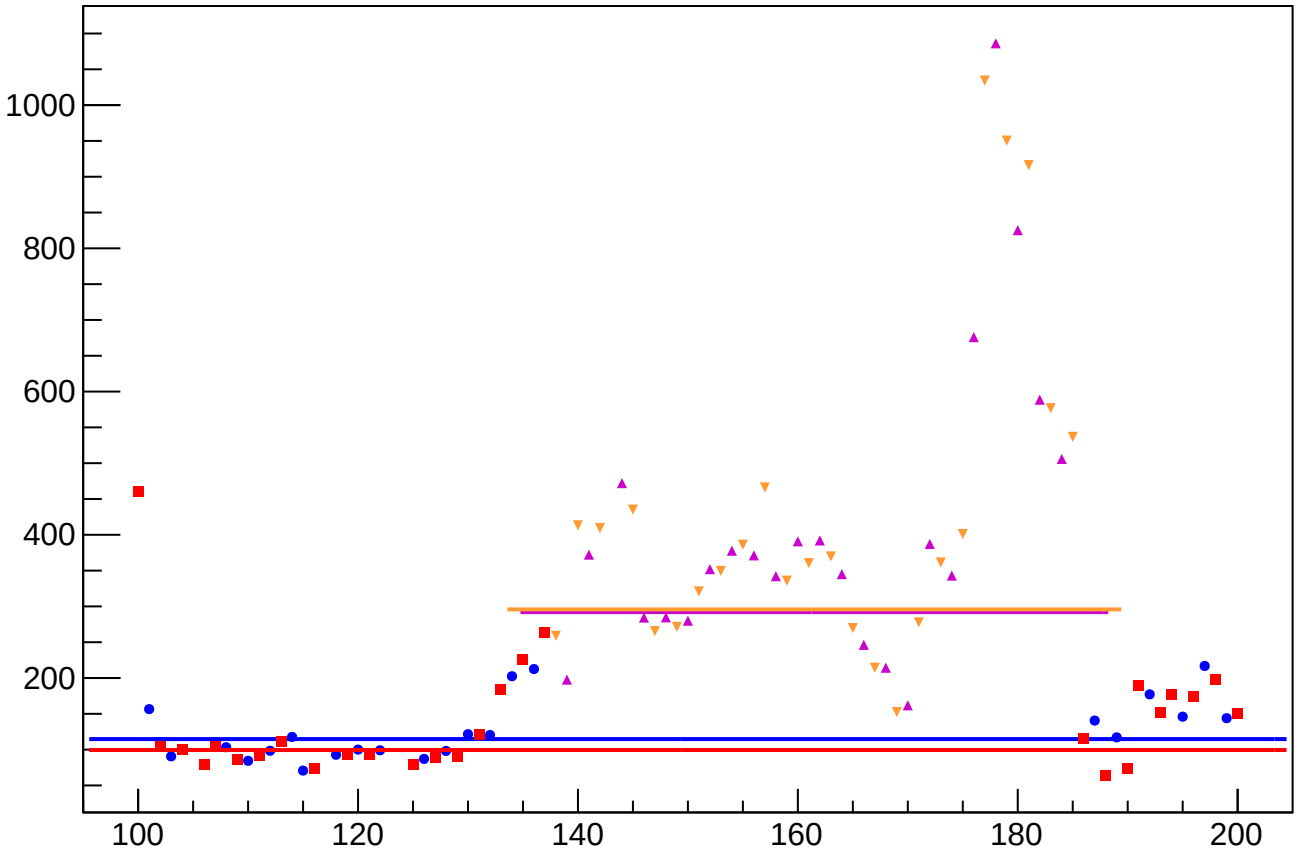
Right Out: 0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.057+/-0.033 χ^2/NDF: 43.4/45

All: 0.030+/-0.021 χ^2/NDF: 102.8/95

- sign 0.010+/-0.028 χ^2/NDF: 58.2/49



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

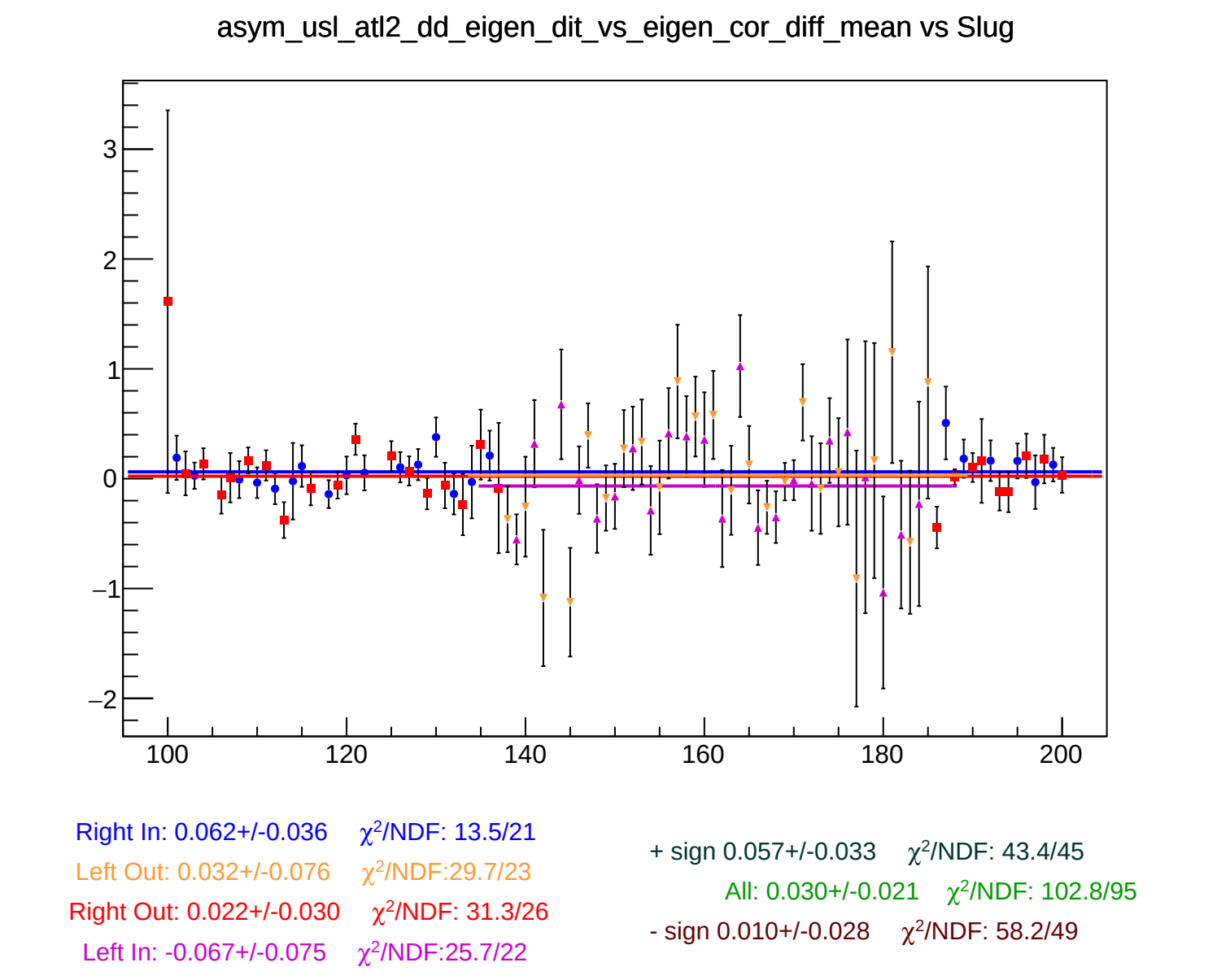
Right Out: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.191+/-0.023 χ^2/NDF: 16617813.8/45

All: 135.541+/-0.015 χ^2/NDF: 36734512.9/95

- sign 126.312+/-0.020 χ^2/NDF: 19597843.3/49


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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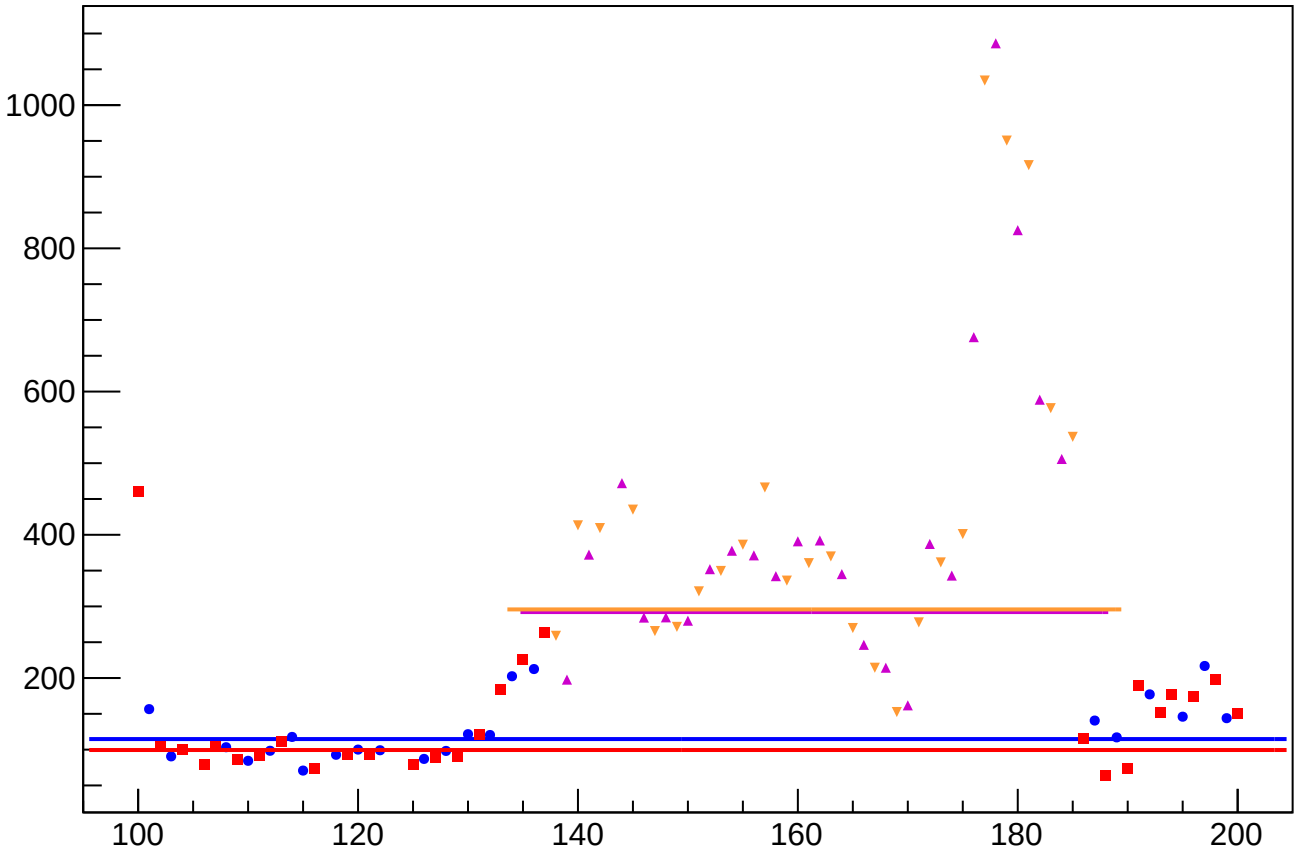
Right In: 0.062+/-0.036 χ²/NDF: 13.5/21
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.022+/-0.030 χ²/NDF: 31.3/26
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.057+/-0.033 χ²/NDF: 43.4/45
All: 0.030+/-0.021 χ²/NDF: 102.8/95
- sign 0.010+/-0.028 χ²/NDF: 58.2/49



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

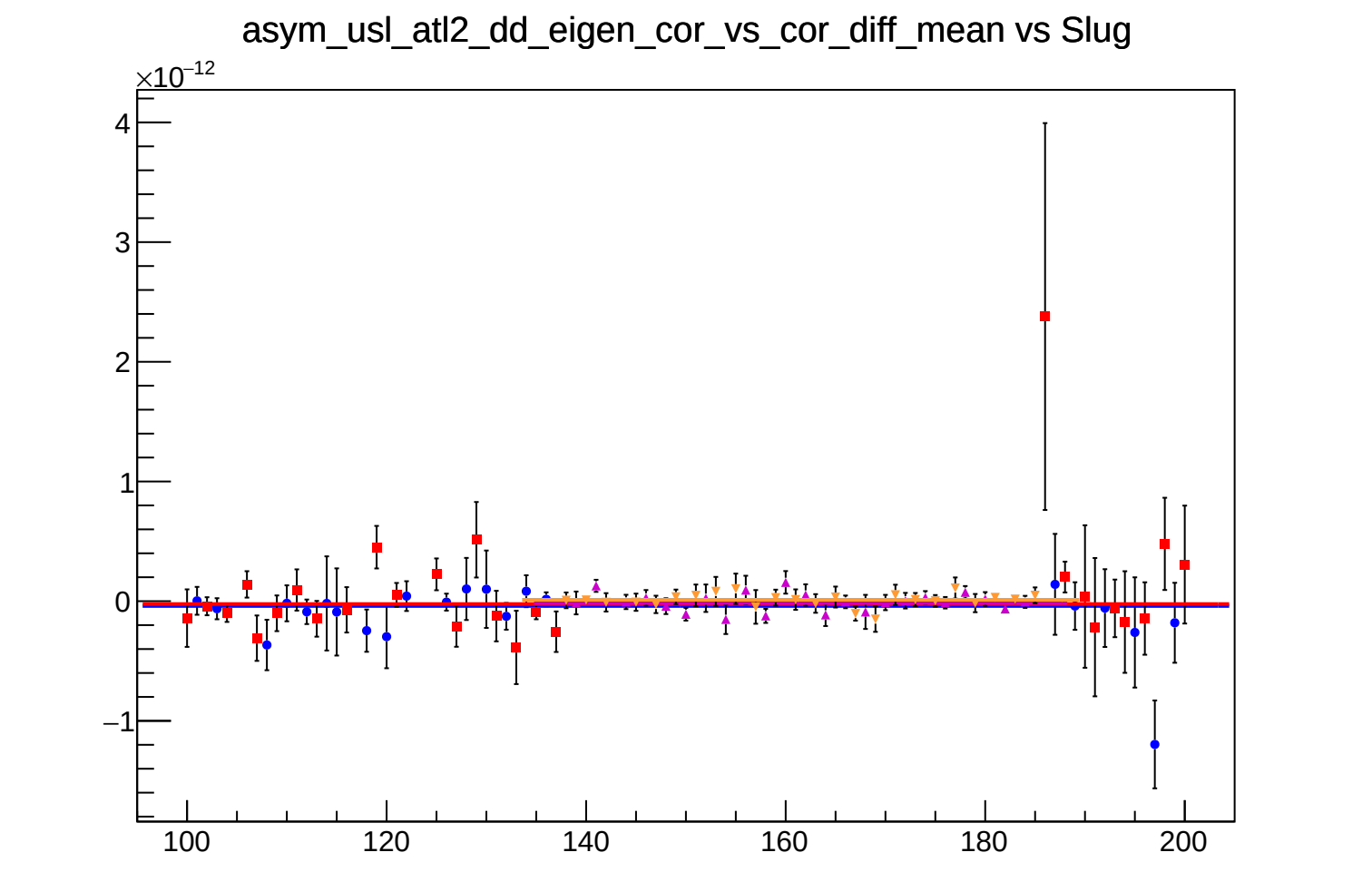
Right Out: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.191+/-0.023 χ^2/NDF: 16617813.8/45

All: 135.541+/-0.015 χ^2/NDF: 36734512.9/95

- sign 126.312+/-0.020 χ^2/NDF: 19597843.3/49


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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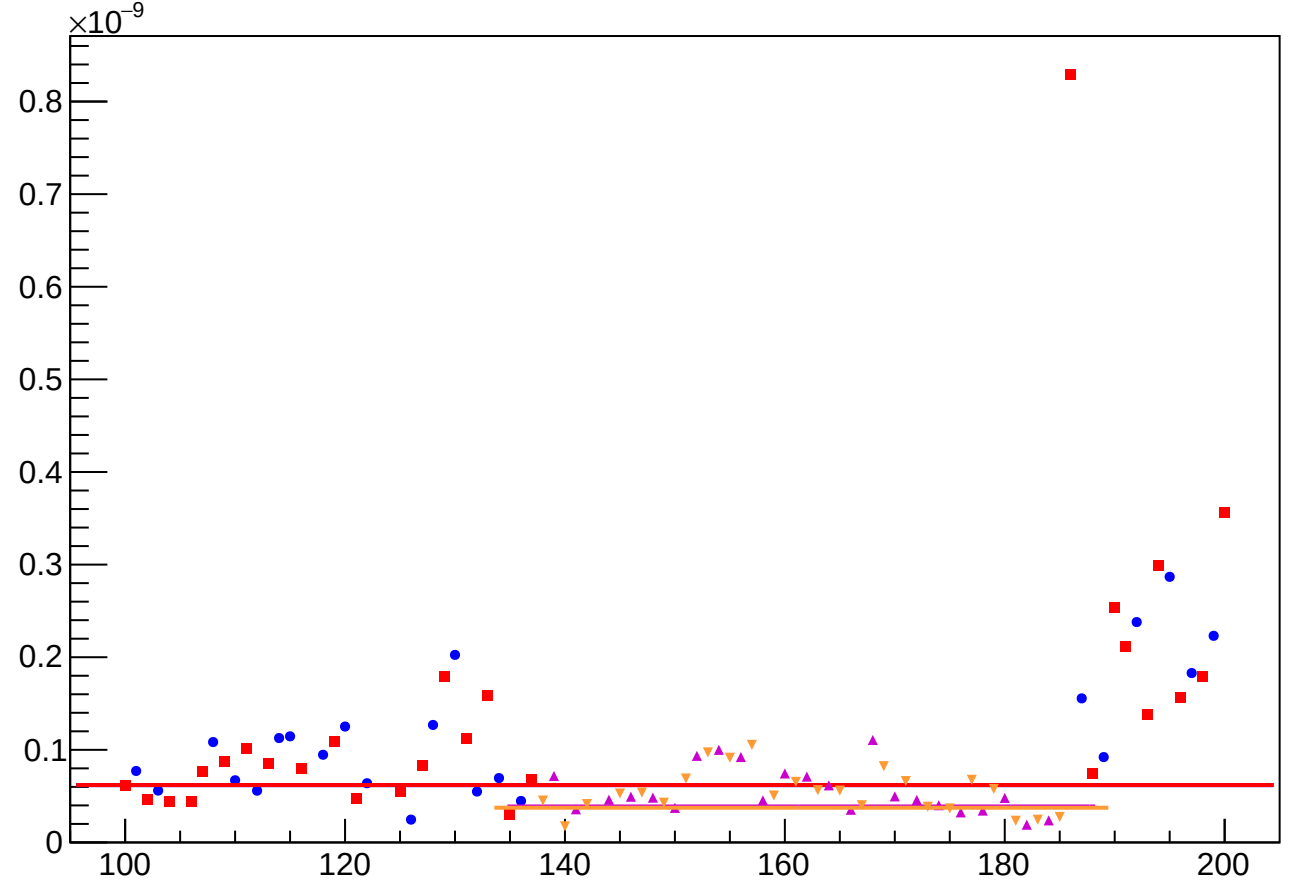
Right In: -0.000+/-0.000 χ²/NDF: 19.2/21
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.1/26
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 32.5/45
All: -0.000+/-0.000 χ²/NDF: 100.3/95
- sign -0.000+/-0.000 χ²/NDF: 66.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 3546509.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

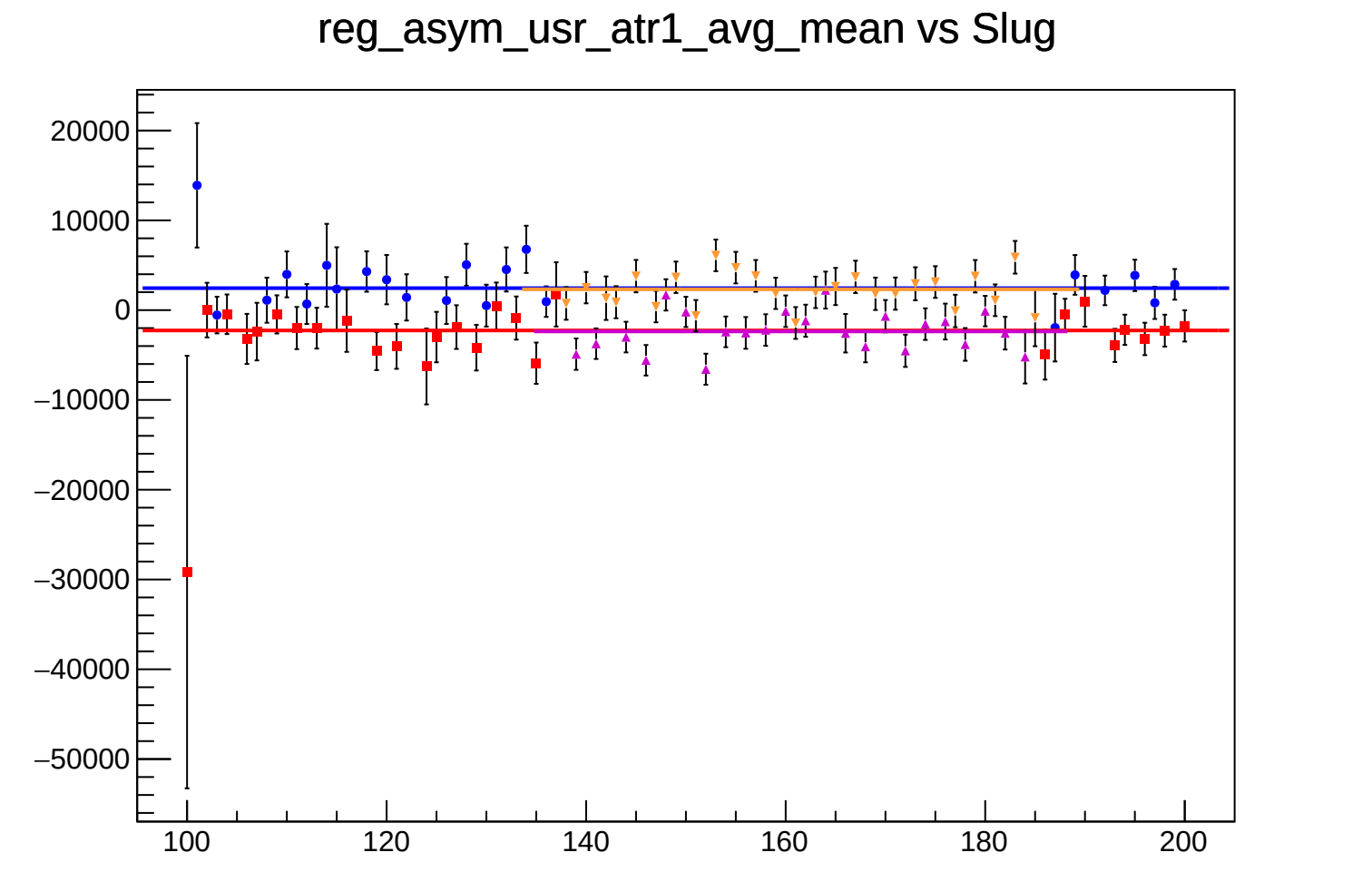
Right Out: 0.000+/-0.000 χ^2/NDF: 4594500.3/26

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9754207.0/45

All: 0.000+/-0.000 χ^2/NDF: 20129412.3/95

- sign 0.000+/-0.000 χ^2/NDF: 10356640.7/49



Right In: 2450.746+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2263.274+/-452.653 χ^2/NDF: 16.3/26

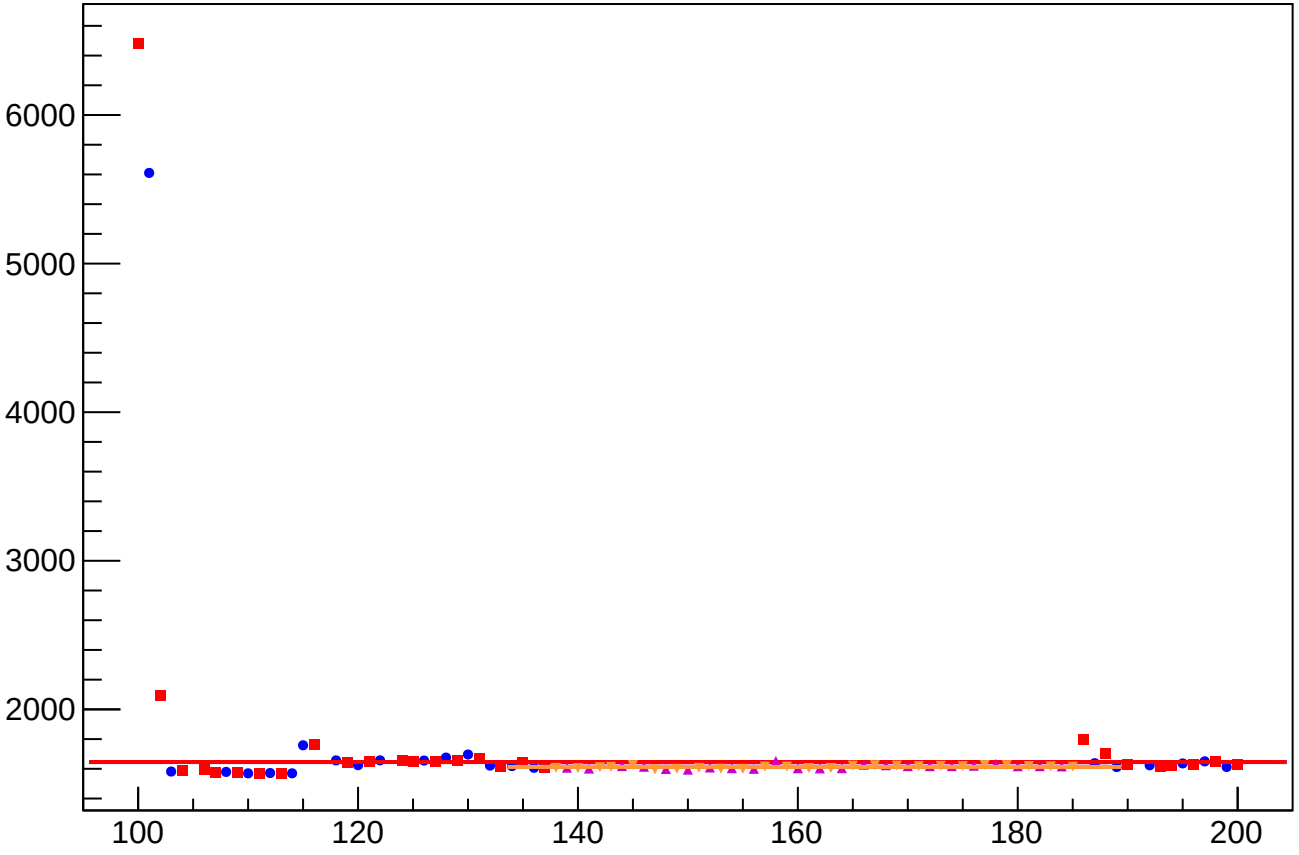
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.385+/-293.687 χ^2/NDF: 44.8/46

All: -12.592+/-206.206 χ^2/NDF: 224.4/96

- sign -2326.688+/-289.594 χ^2/NDF: 50.1/49

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668490.0/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1645.727+/-0.320 χ^2/NDF: 146104.2/26

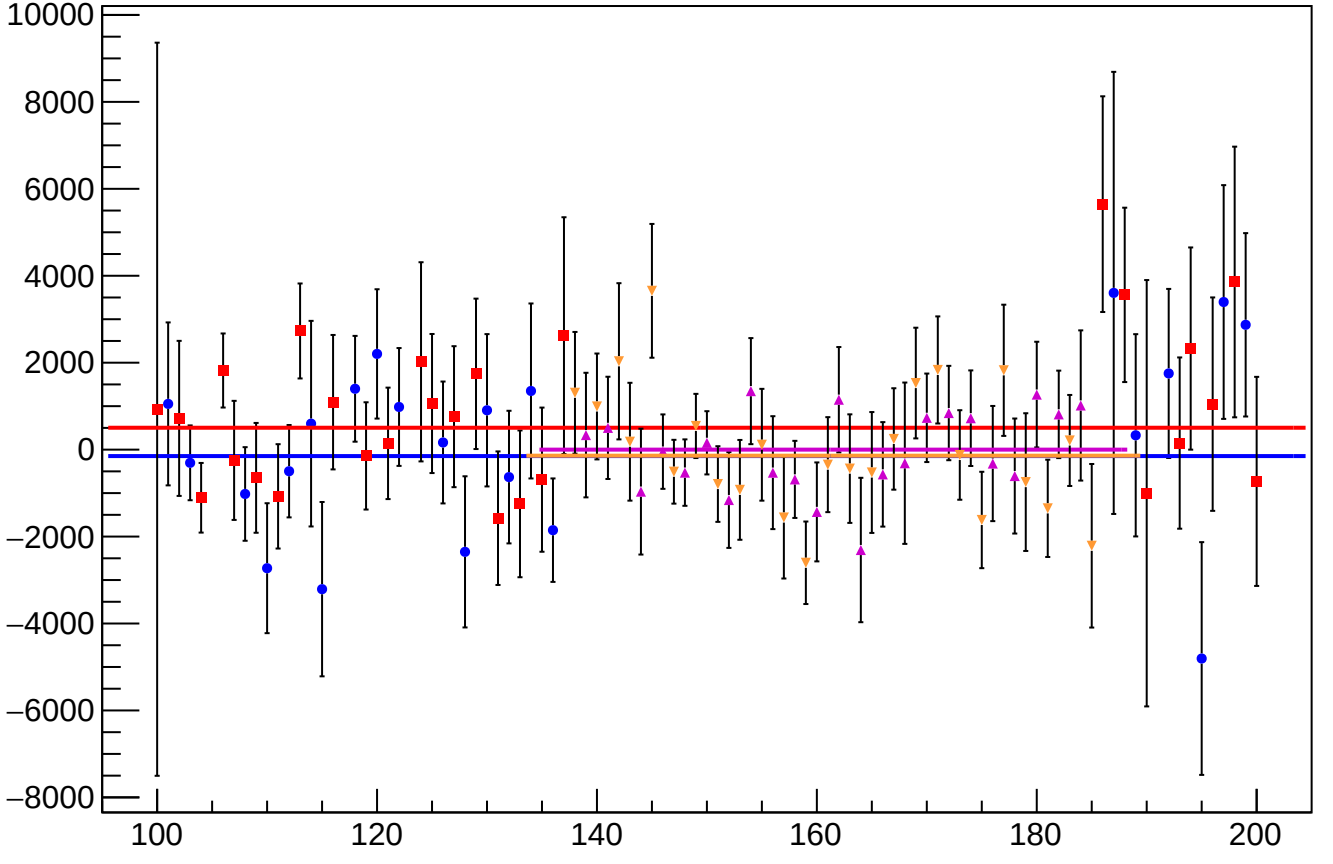
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.7/46

All: 1625.622+/-0.146 χ^2/NDF: 829826.0/96

- sign 1626.864+/-0.205 χ^2/NDF: 154338.7/49

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -148.345+/-324.976 χ^2/NDF: 24.5/21

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 503.684+/-294.295 χ^2/NDF: 27.9/26

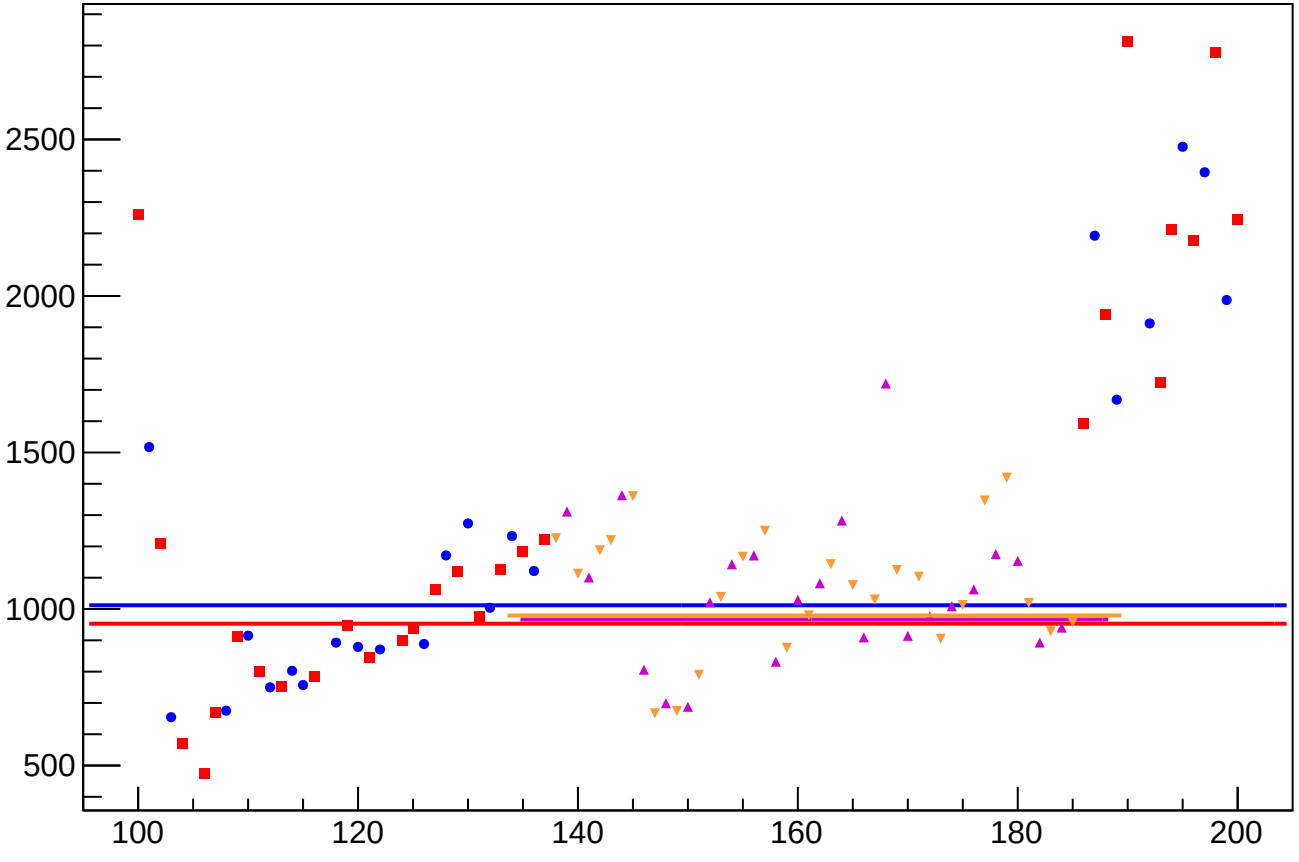
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -142.117+/-187.262 χ^2/NDF: 54.7/46

All: 30.082+/-130.568 χ^2/NDF: 98.9/96

- sign 193.004+/-182.148 χ^2/NDF: 42.6/49

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1011.942+/-0.230 χ^2/NDF: 3290787.6/21

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 953.116+/-0.208 χ^2/NDF: 5069411.3/26

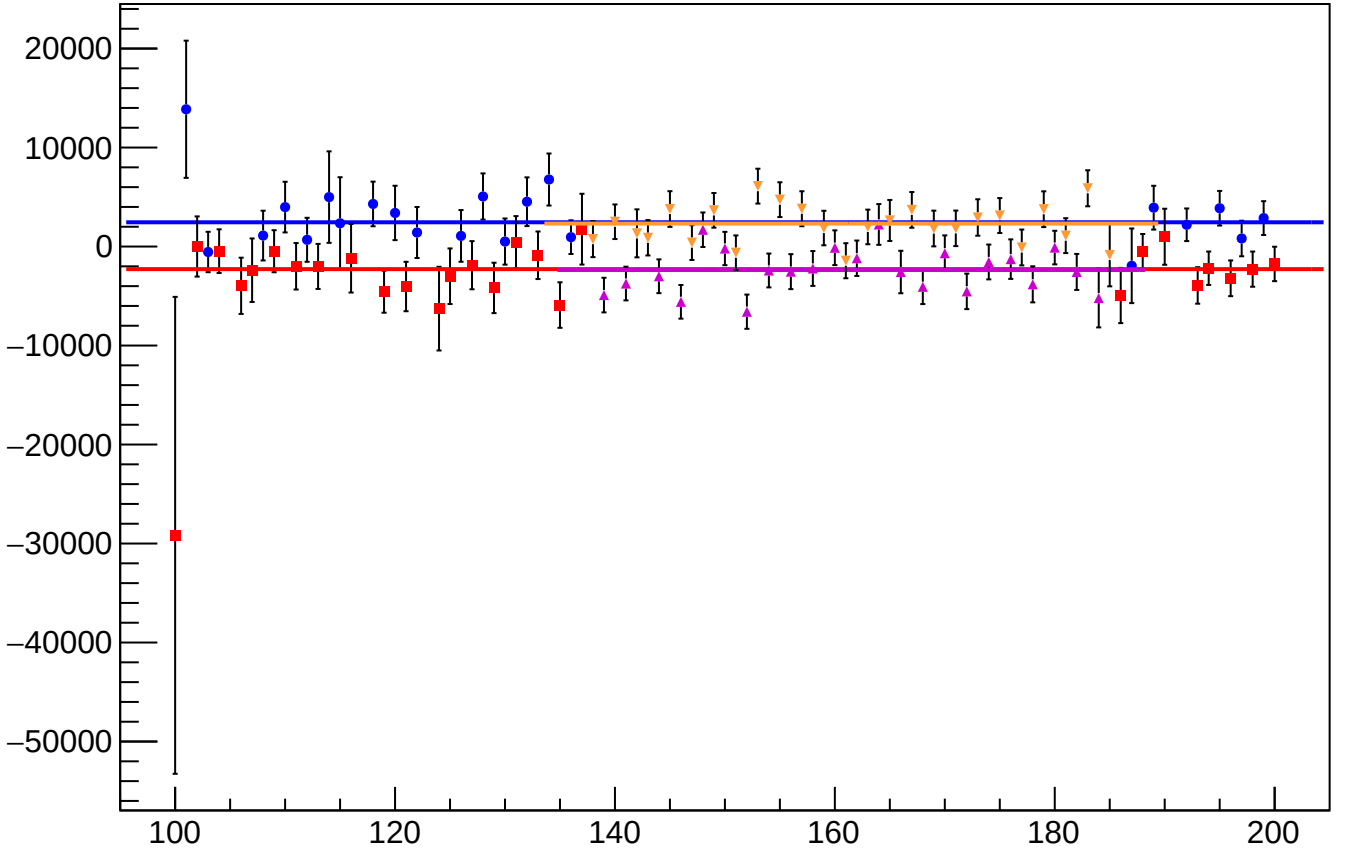
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 990.135+/-0.132 χ^2/NDF: 4934893.5/46

All: 975.364+/-0.092 χ^2/NDF: 11633678.9/96

- sign 961.389+/-0.129 χ^2/NDF: 6674569.2/49

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2281.959+/-452.858 χ^2/NDF: 16.6/26

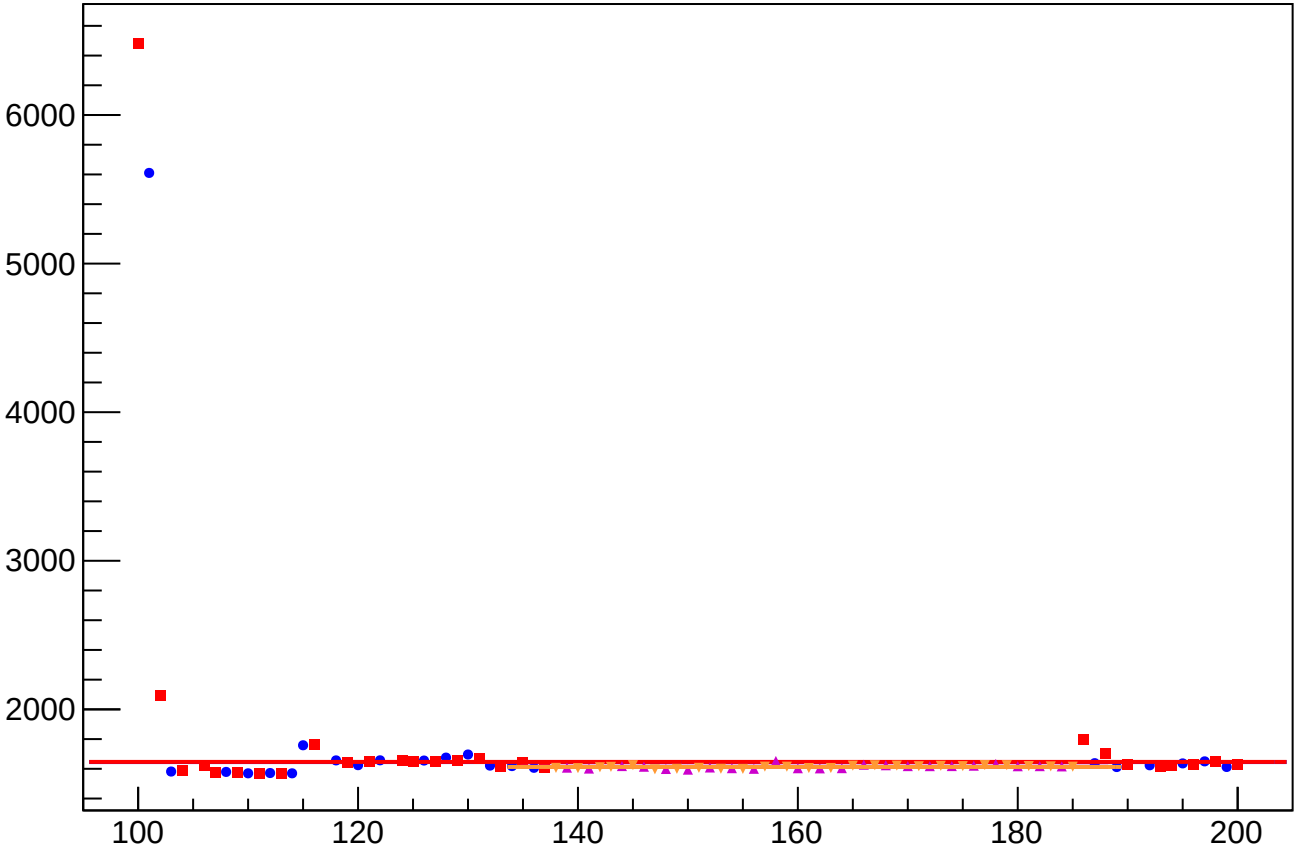
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.246+/-293.687 χ^2/NDF: 44.7/46

All: -16.134+/-206.225 χ^2/NDF: 225.0/96

- sign -2334.397+/-289.648 χ^2/NDF: 50.3/49

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

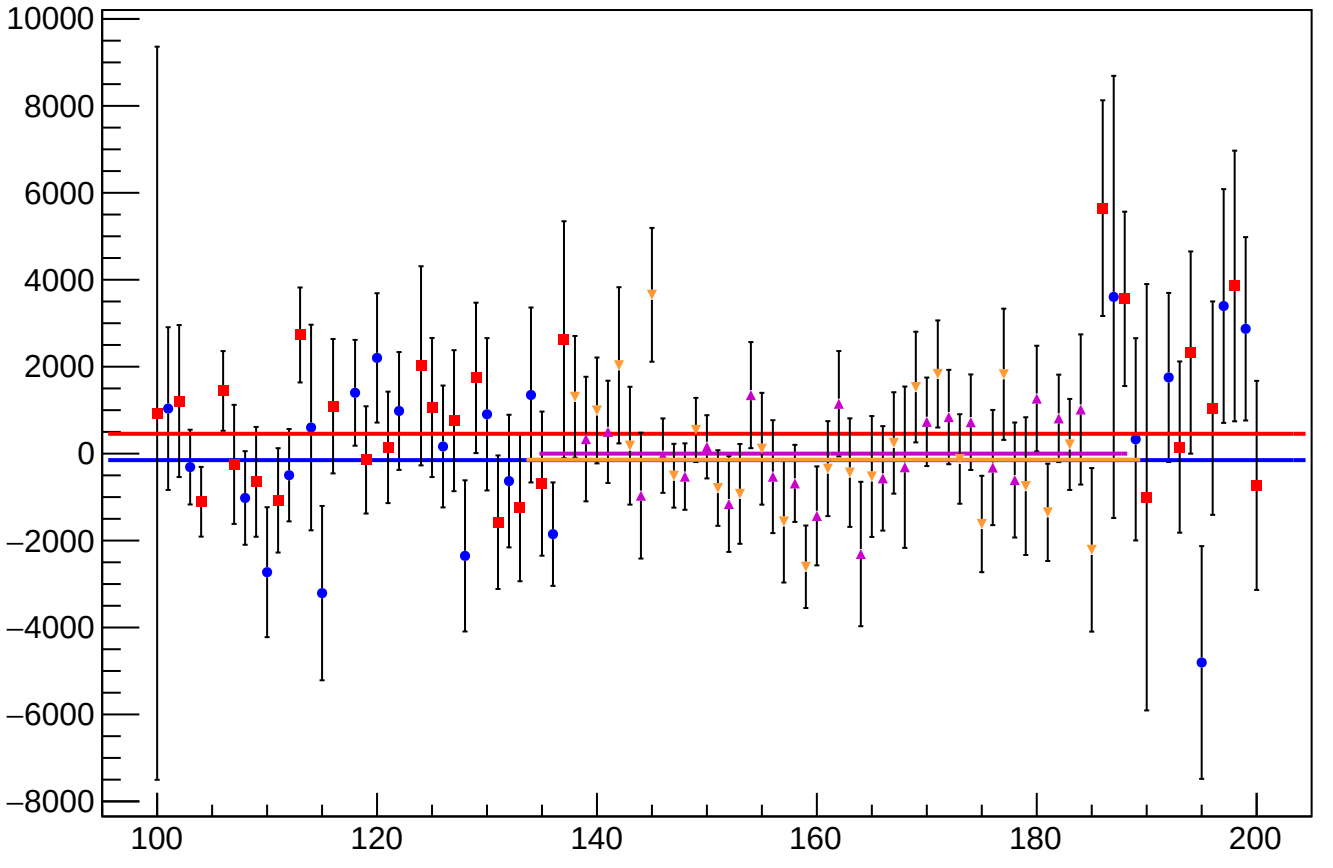
Right Out: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.2/46

All: 1625.768+/-0.146 χ^2/NDF: 829565.7/96

- sign 1627.152+/-0.205 χ^2/NDF: 154060.9/49



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

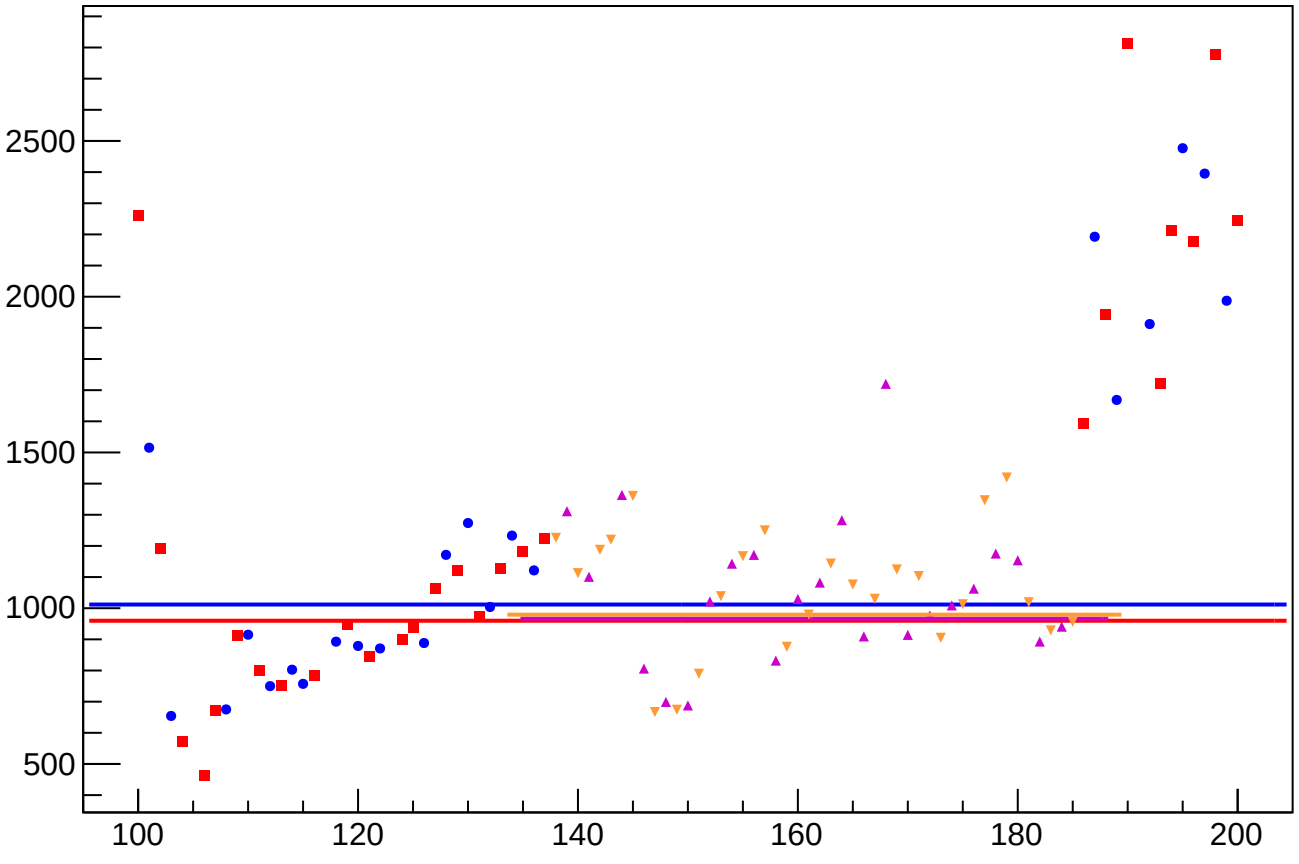
Right Out: 456.977+/-296.597 χ^2/NDF: 26.7/26

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -142.561+/-187.254 χ^2/NDF: 54.7/46

All: 19.326+/-130.765 χ^2/NDF: 97.1/96

- sign 173.419+/-182.690 χ^2/NDF: 41.0/49



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

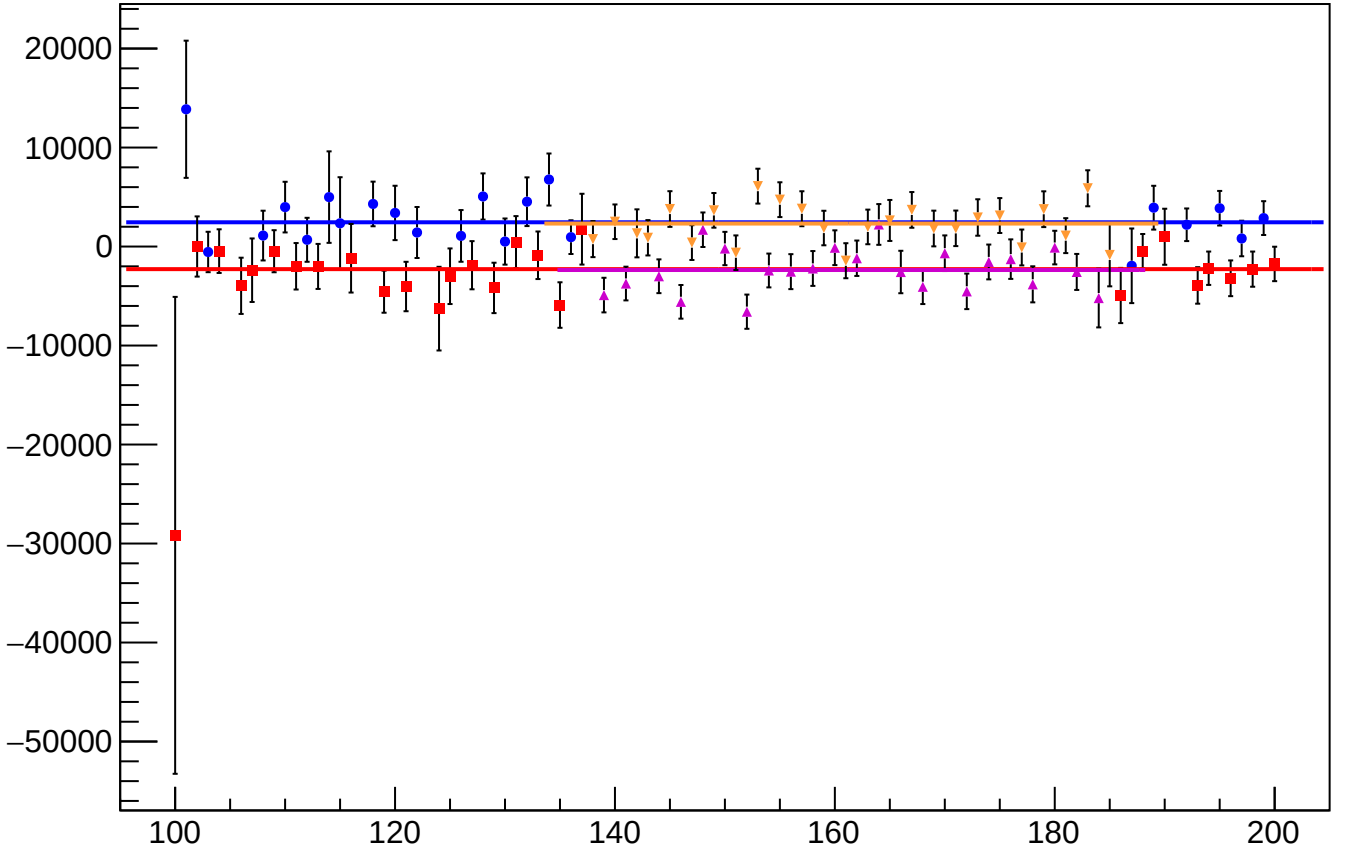
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 990.093+/-0.132 χ^2/NDF: 4935165.4/46

All: 976.712+/-0.092 χ^2/NDF: 11559975.6/96

- sign 963.975+/-0.129 χ^2/NDF: 6604875.0/49

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2281.959+/-452.858 χ^2/NDF: 16.6/26

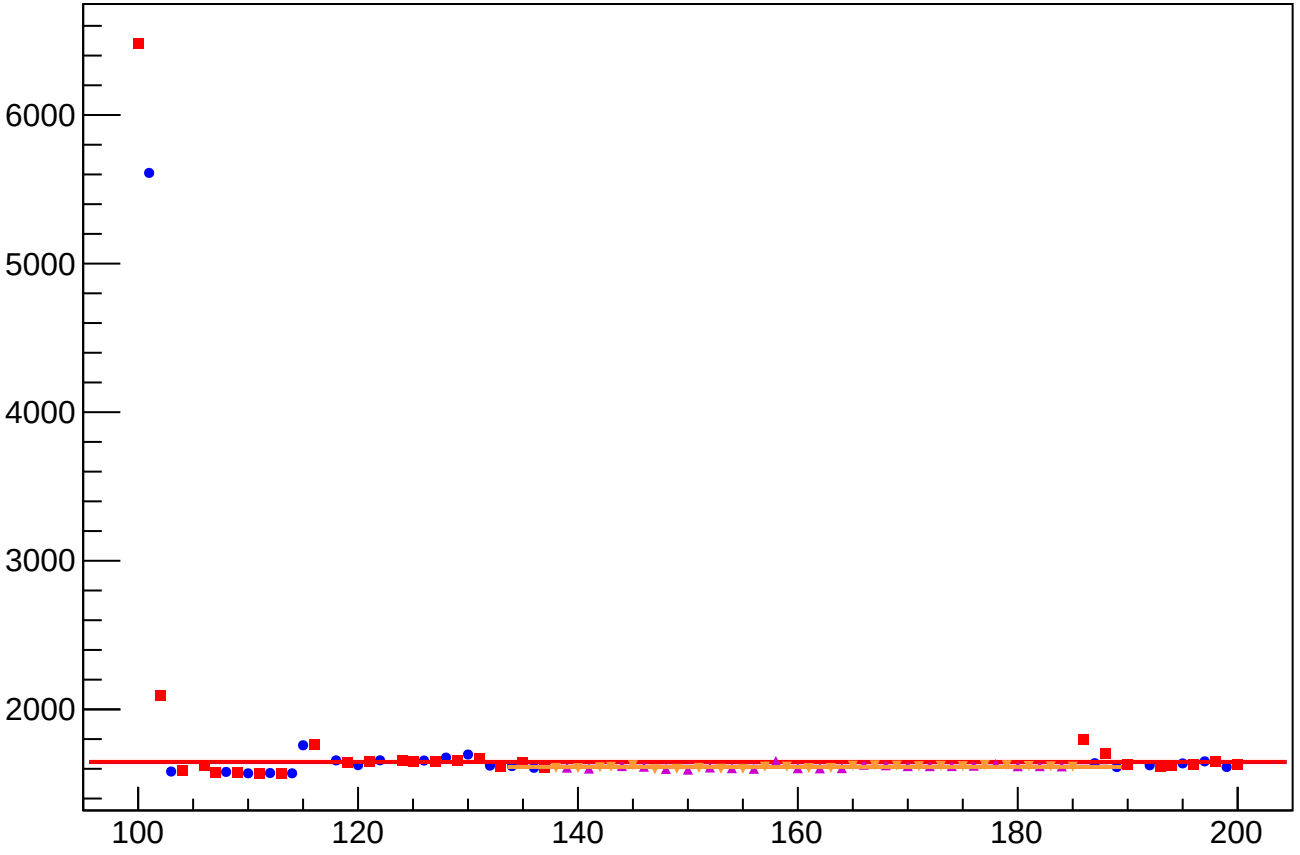
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.246+/-293.687 χ^2/NDF: 44.7/46

All: -16.134+/-206.225 χ^2/NDF: 225.0/96

- sign -2334.397+/-289.648 χ^2/NDF: 50.3/49

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

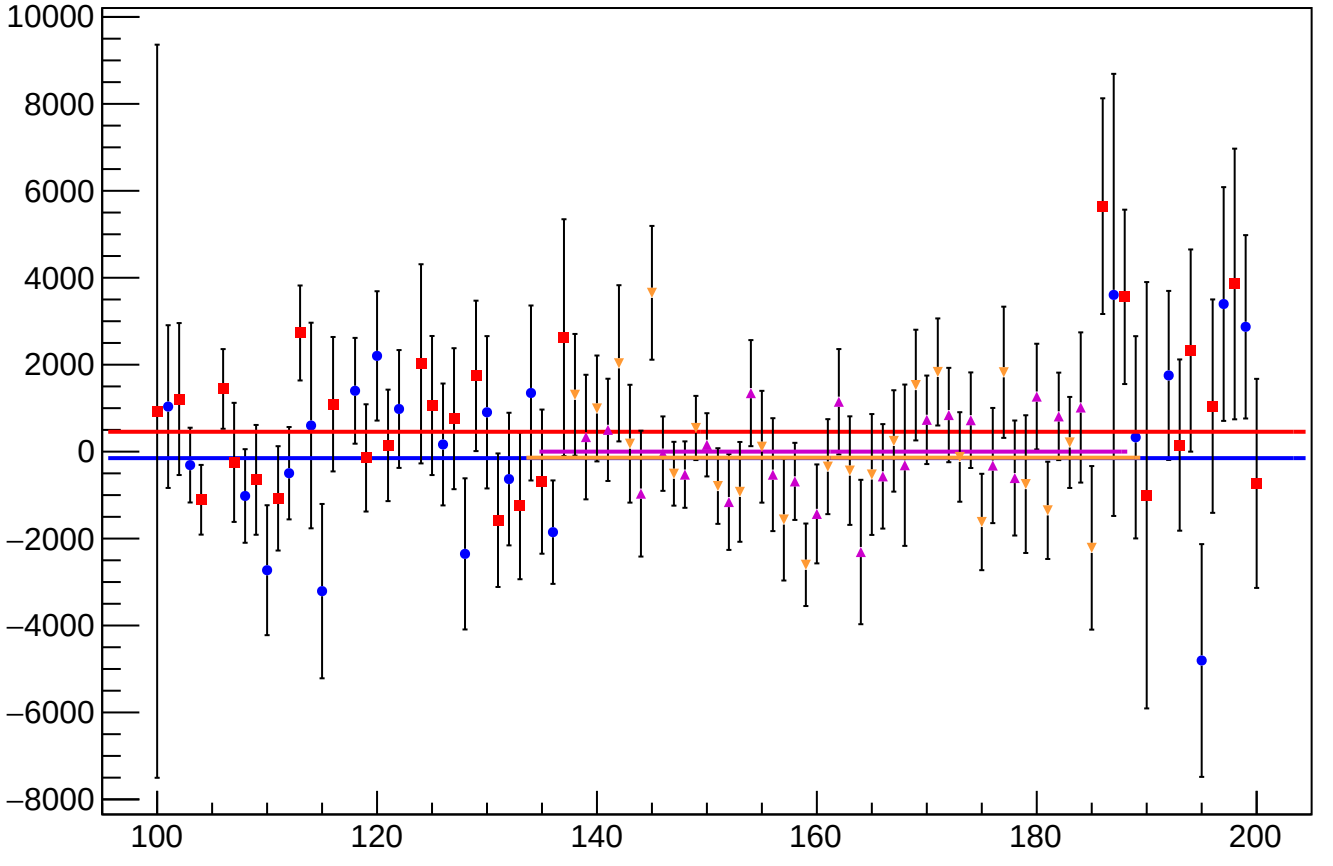
Right Out: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.2/46

All: 1625.768+/-0.146 χ^2/NDF: 829565.7/96

- sign 1627.152+/-0.205 χ^2/NDF: 154060.9/49



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

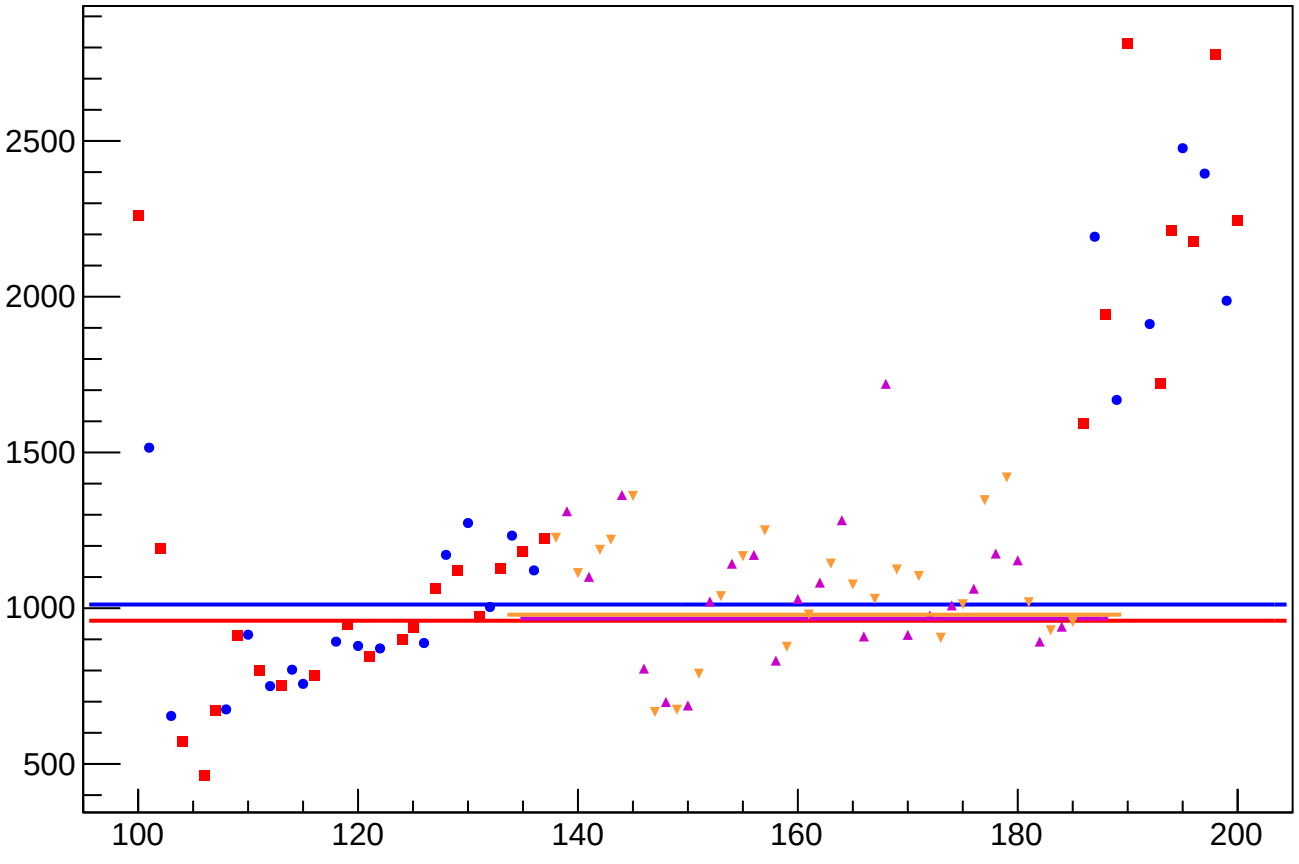
Right Out: 456.977+/-296.597 χ^2/NDF: 26.7/26

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -142.561+/-187.254 χ^2/NDF: 54.7/46

All: 19.326+/-130.765 χ^2/NDF: 97.1/96

- sign 173.419+/-182.690 χ^2/NDF: 41.0/49



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

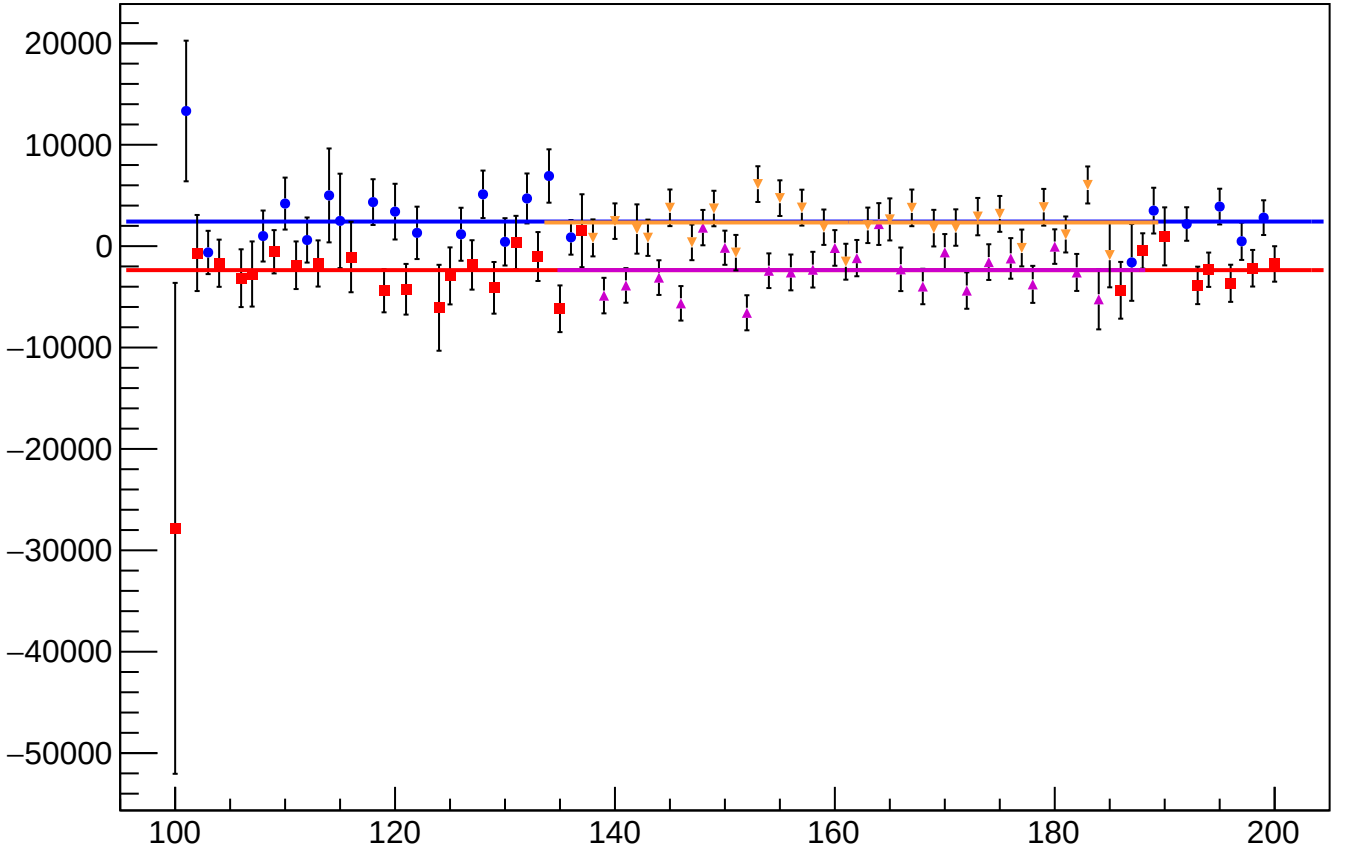
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 990.093+/-0.132 χ^2/NDF: 4935165.4/46

All: 976.712+/-0.092 χ^2/NDF: 11559975.6/96

- sign 963.975+/-0.129 χ^2/NDF: 6604875.0/49

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2425.419+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2365.778+/-457.558 χ^2/NDF: 14.9/26

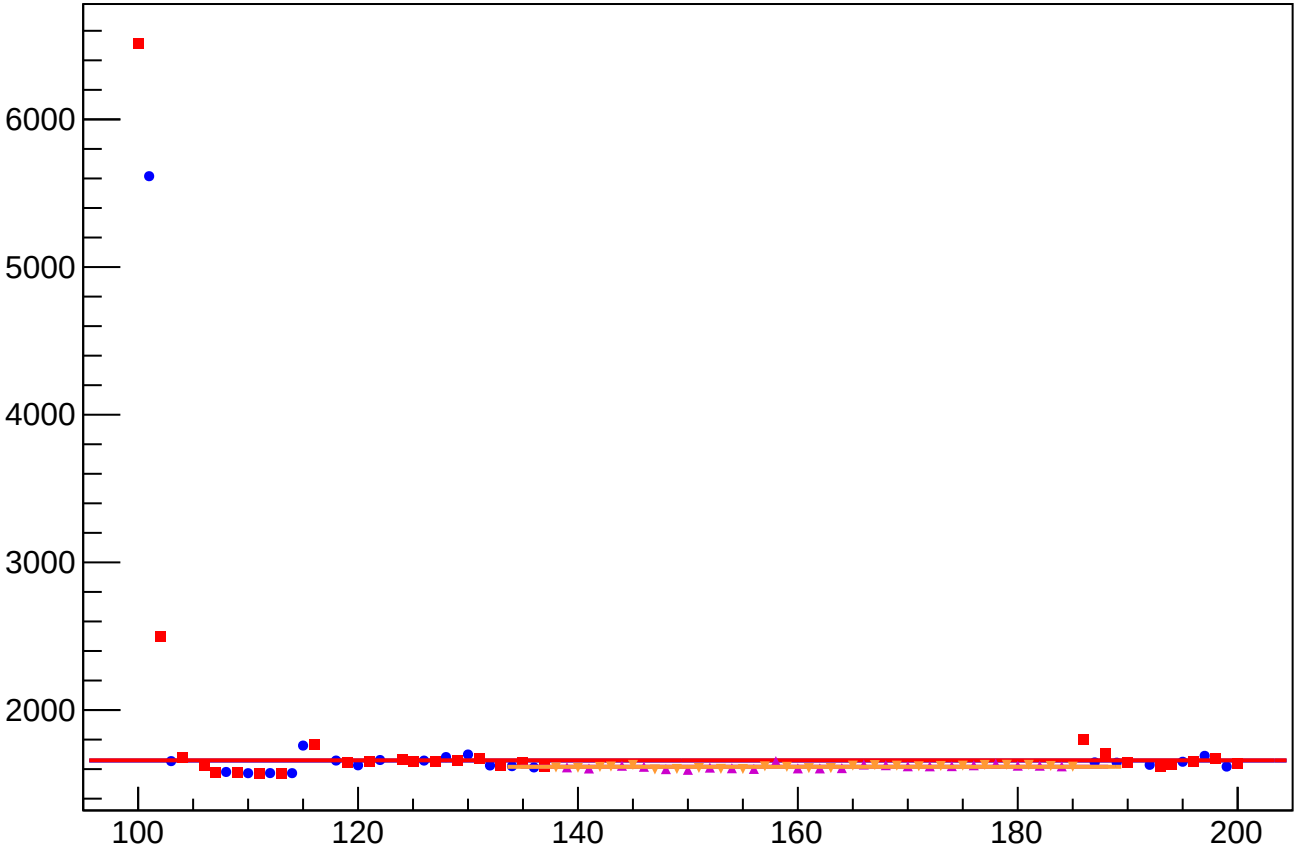
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2366.956+/-294.836 χ^2/NDF: 45.7/46

All: -27.586+/-207.163 χ^2/NDF: 225.0/96

- sign -2362.511+/-291.143 χ^2/NDF: 48.9/49

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1659.644+/-0.324 χ^2/NDF: 201982.0/26

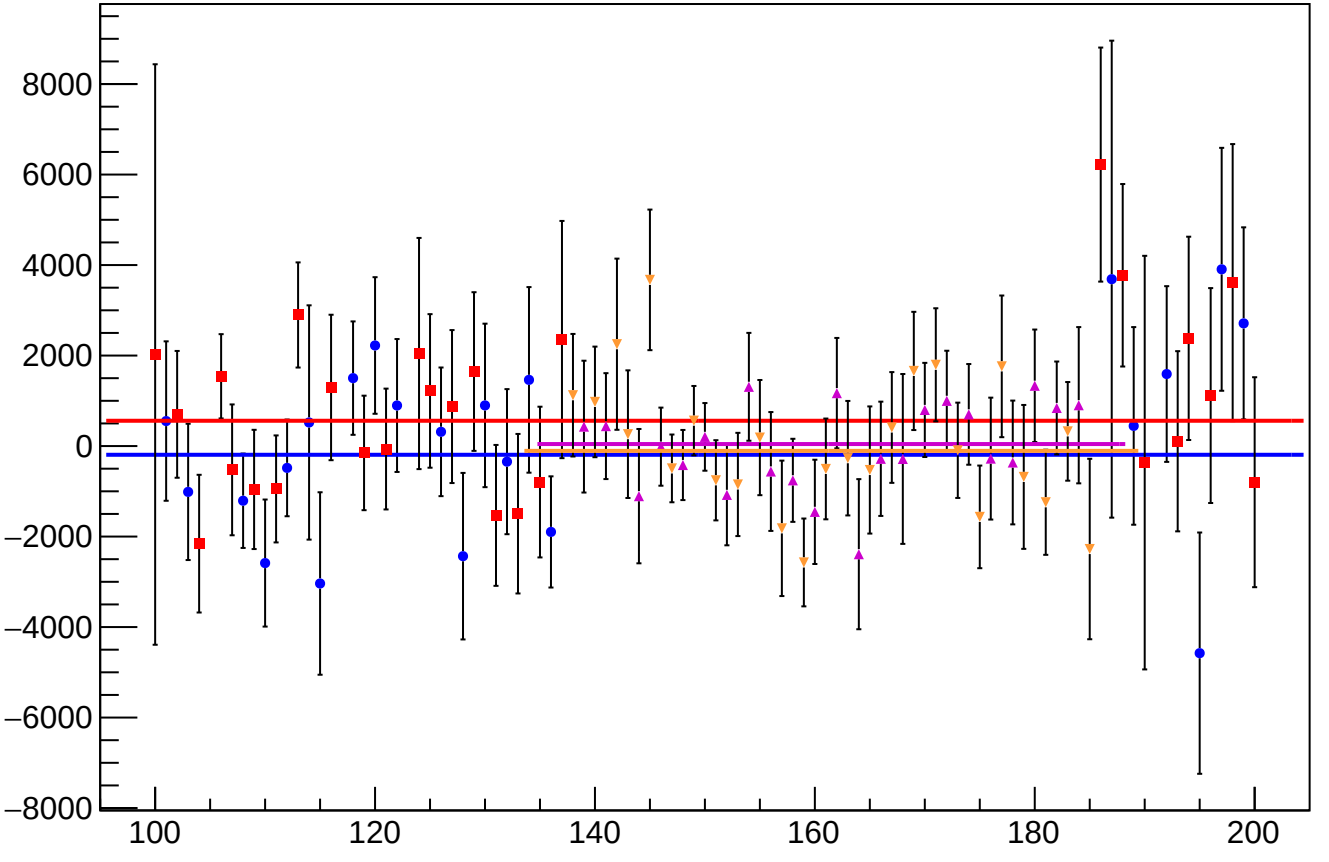
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.611+/-0.208 χ^2/NDF: 676608.5/46

All: 1632.269+/-0.146 χ^2/NDF: 891924.2/96

- sign 1633.885+/-0.206 χ^2/NDF: 215190.8/49

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -192.660+/-345.055 χ^2/NDF: 24.4/21

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 559.094+/-316.502 χ^2/NDF: 27.3/26

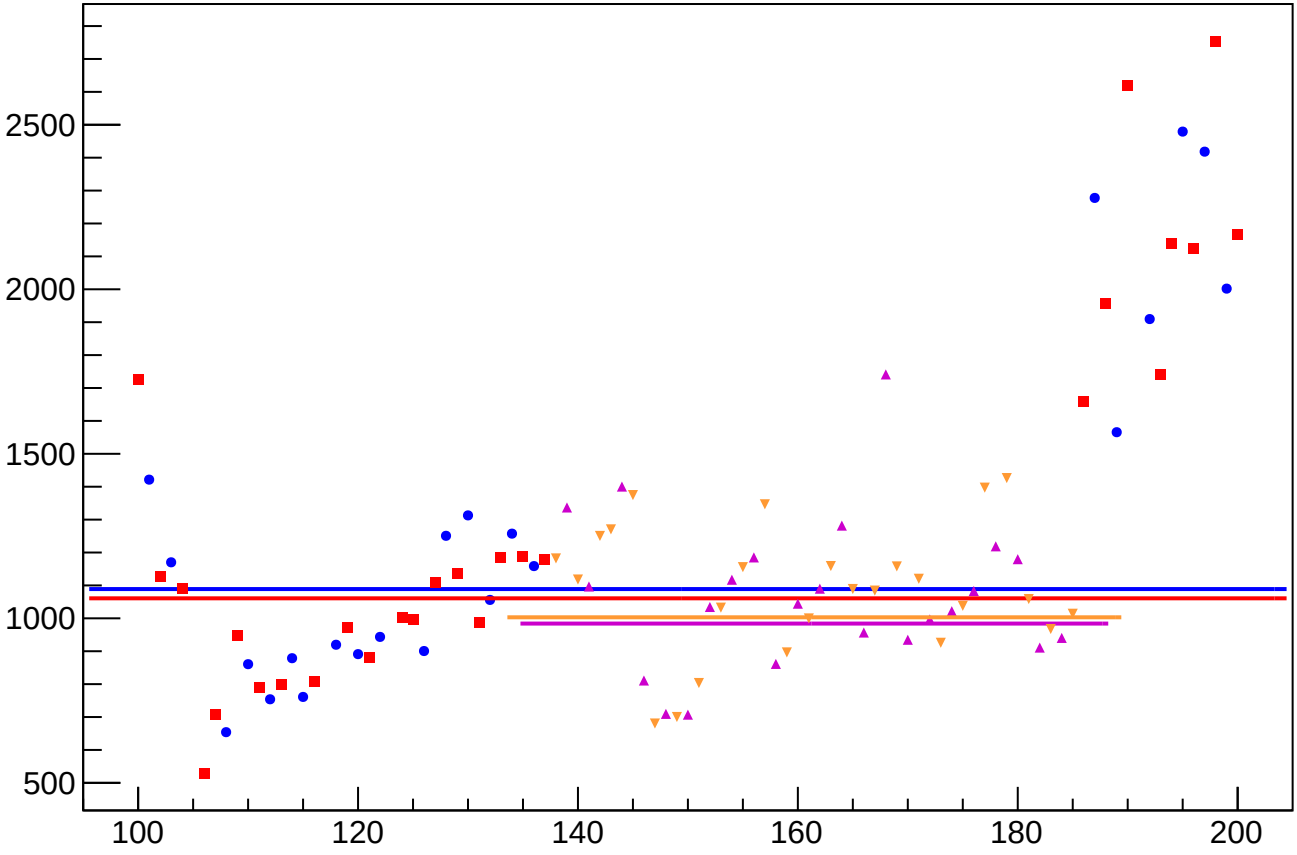
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -133.580+/-193.840 χ^2/NDF: 53.4/46

All: 51.773+/-135.343 χ^2/NDF: 97.0/96

- sign 228.089+/-189.057 χ^2/NDF: 41.8/49

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1088.947+/-0.244 χ^2/NDF: 2891759.9/21

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1060.783+/-0.224 χ^2/NDF: 4053607.9/26

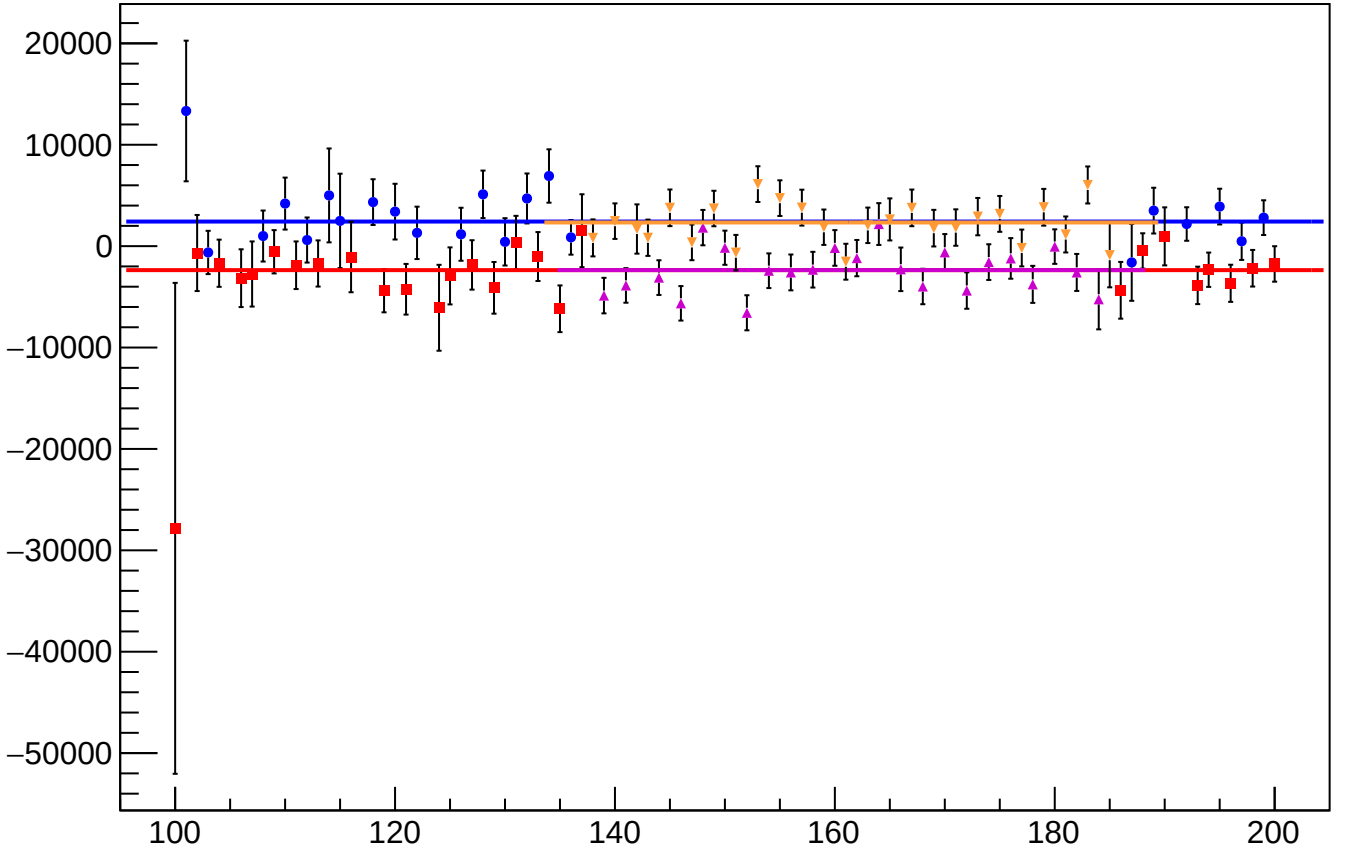
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1030.192+/-0.137 χ^2/NDF: 4574900.9/46

All: 1020.577+/-0.096 χ^2/NDF: 10273275.9/9

- sign 1011.431+/-0.134 χ^2/NDF: 5688772.9/49

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2425.418+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2365.776+/-457.558 χ^2/NDF: 14.9/26

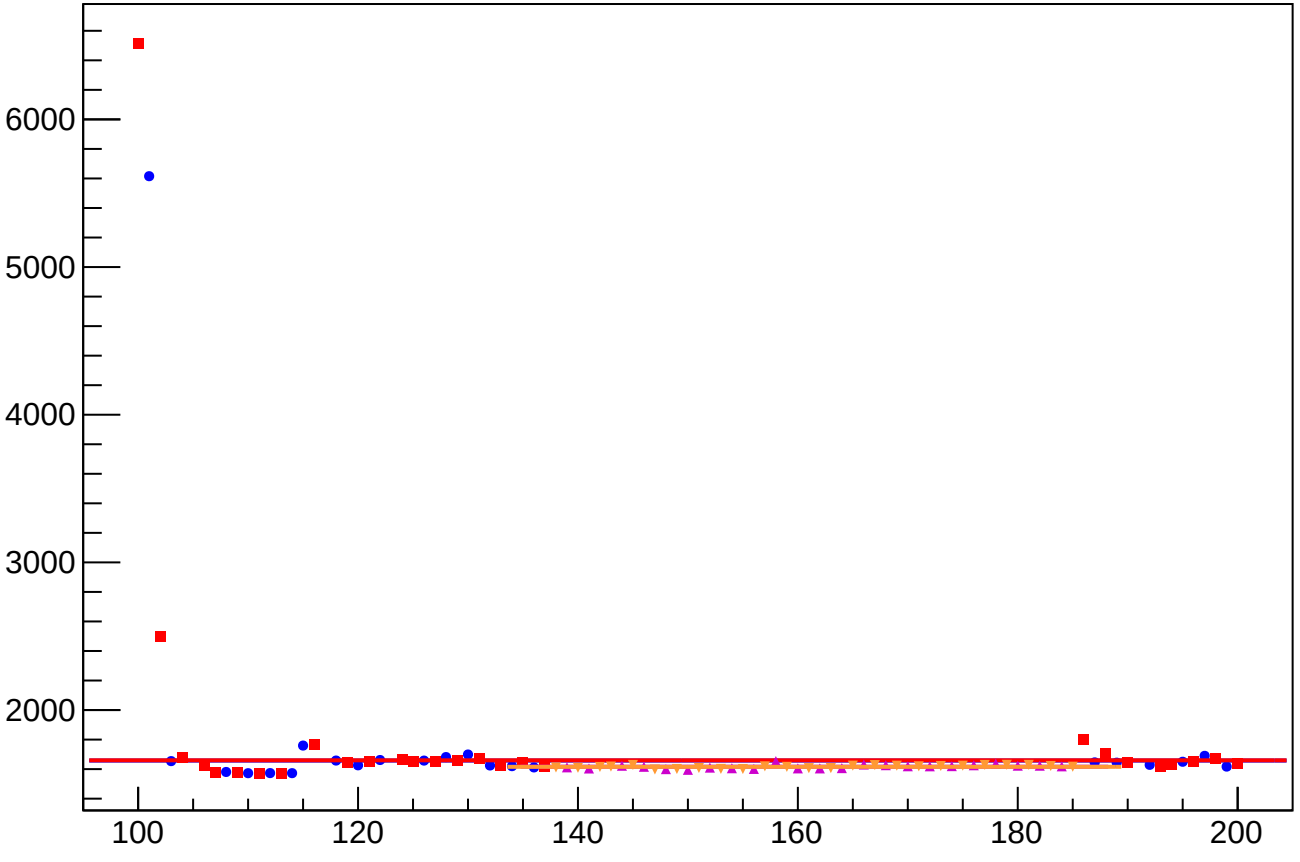
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2366.956+/-294.836 χ^2/NDF: 45.7/46

All: -27.586+/-207.163 χ^2/NDF: 225.0/96

- sign -2362.510+/-291.143 χ^2/NDF: 48.9/49

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

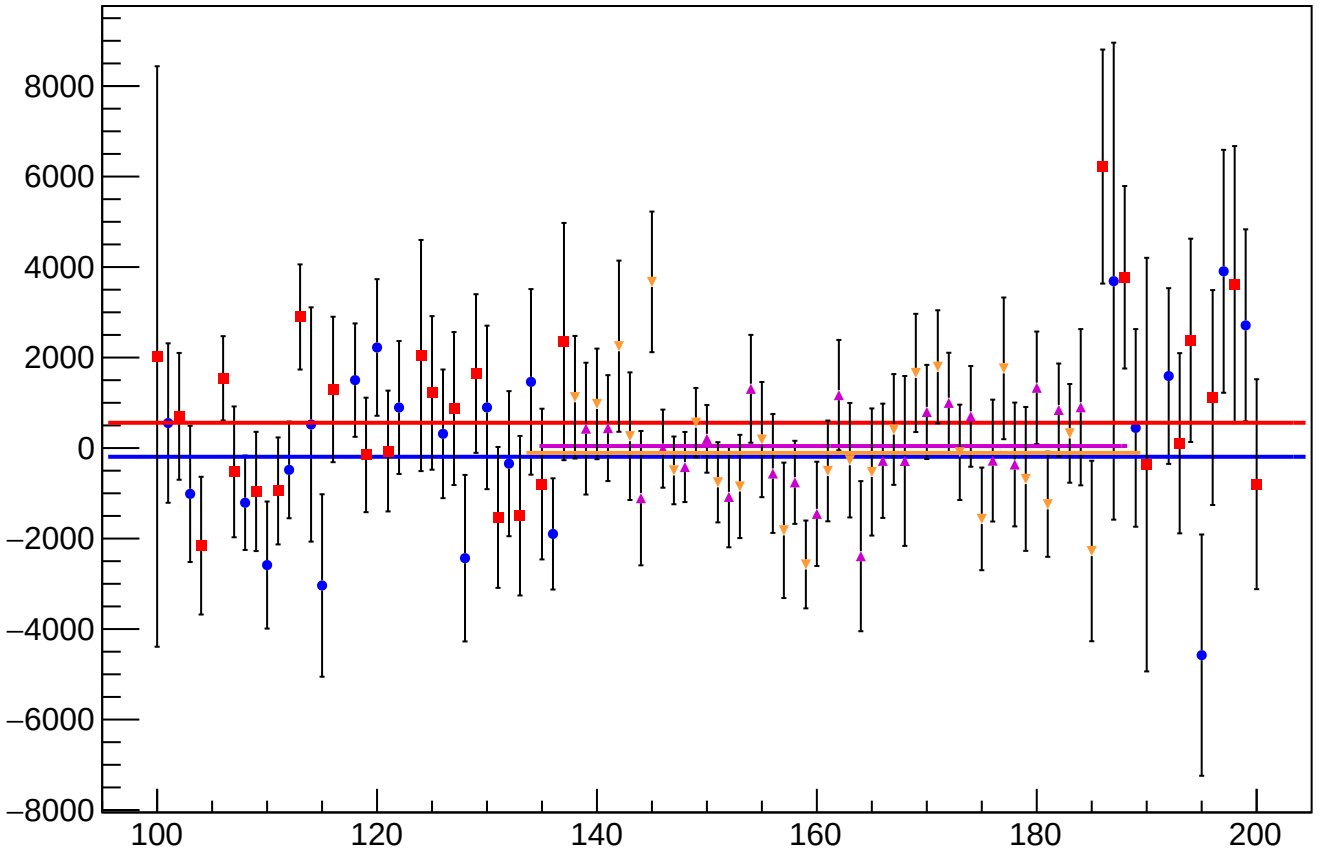
Right Out: 1659.644+/-0.324 χ^2/NDF: 201981.9/26

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.611+/-0.208 χ^2/NDF: 676608.5/46

All: 1632.269+/-0.146 χ^2/NDF: 891924.0/96

- sign 1633.885+/-0.206 χ^2/NDF: 215190.6/49



Right In: -192.661+/-345.054 χ^2/NDF: 24.4/21

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

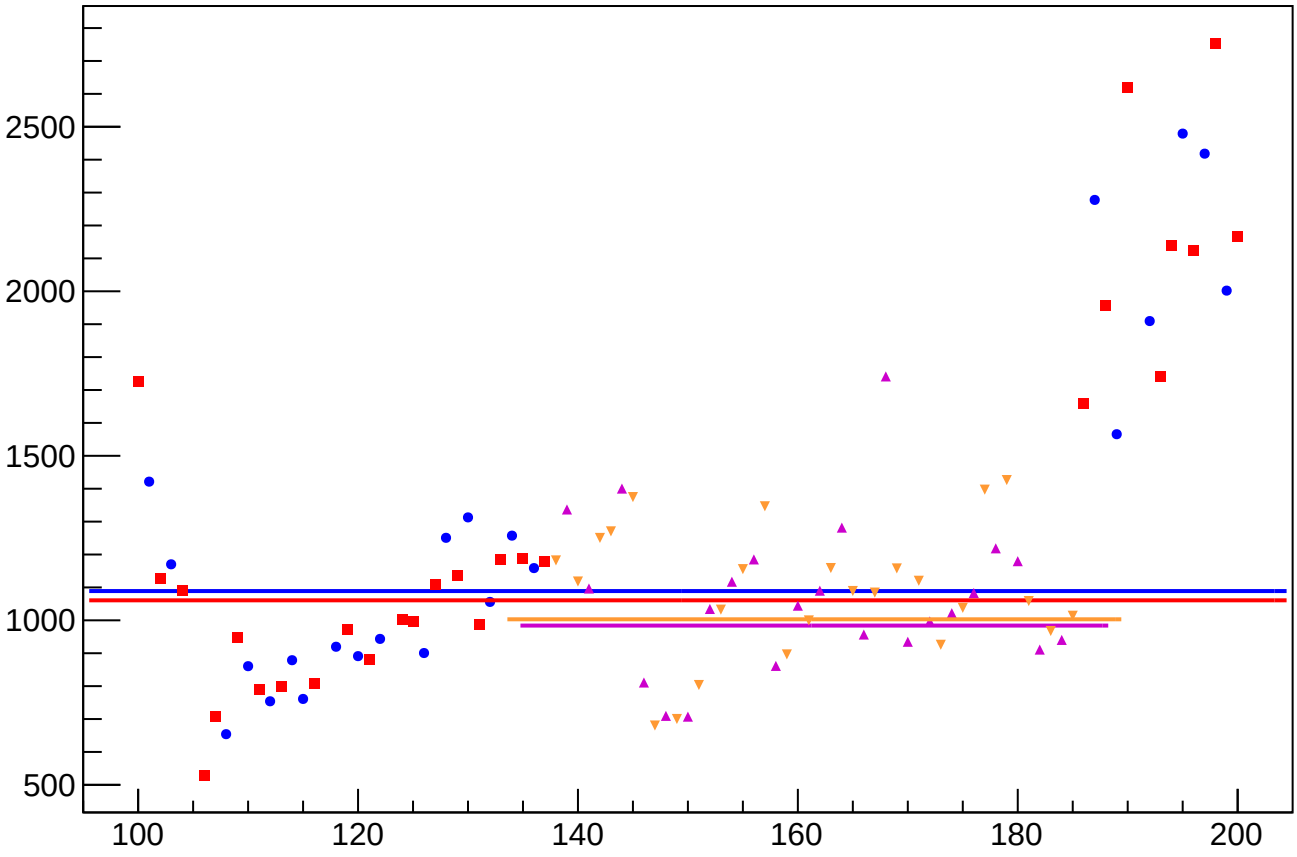
Right Out: 559.091+/-316.501 χ^2/NDF: 27.3/26

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -133.581+/-193.840 χ^2/NDF: 53.4/46

All: 51.772+/-135.343 χ^2/NDF: 97.0/96

- sign 228.089+/-189.057 χ^2/NDF: 41.8/49



Right In: 1088.943+/-0.244 χ^2/NDF: 2891789.9/21

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1060.780+/-0.224 χ^2/NDF: 4053630.2/26

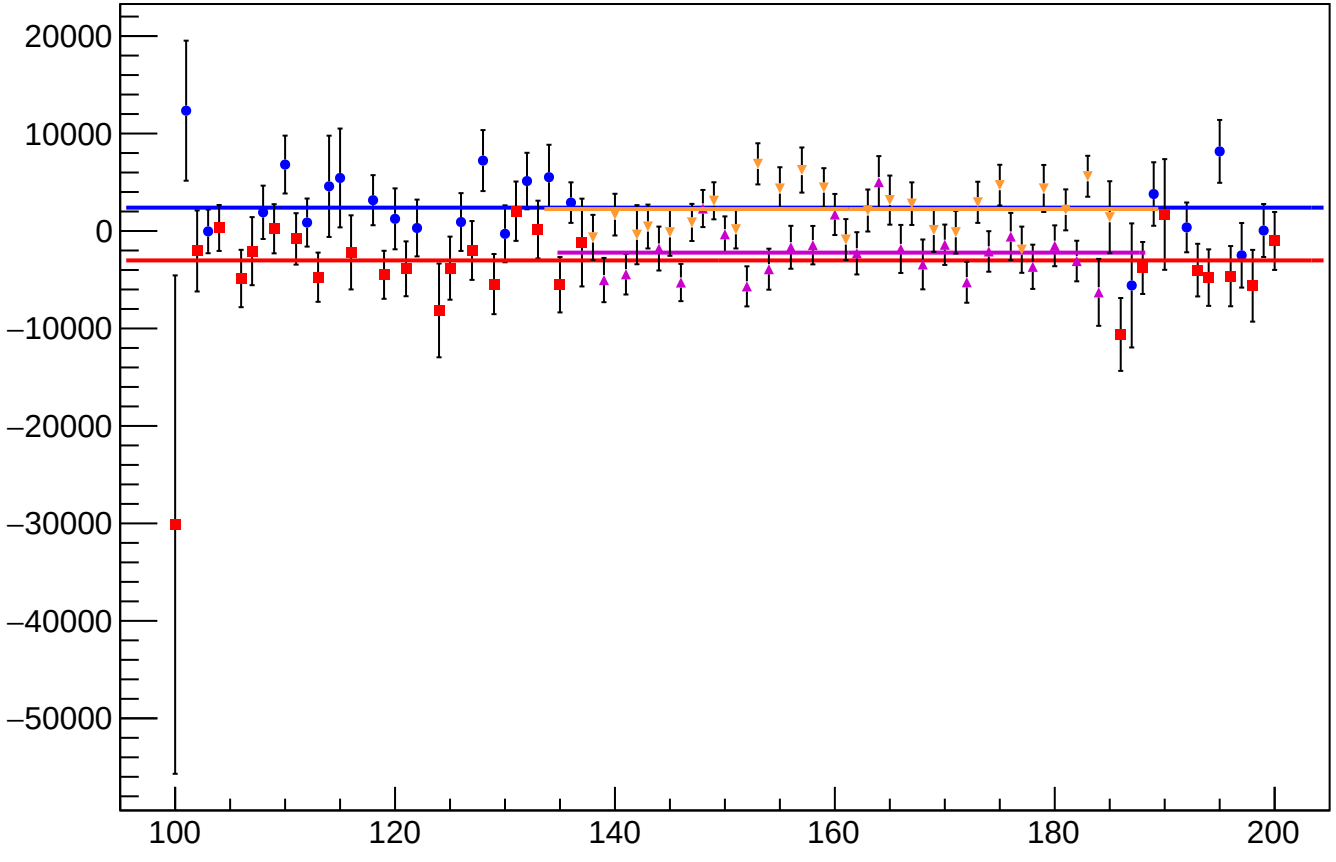
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1030.193+/-0.137 χ^2/NDF: 4574920.6/46

All: 1020.578+/-0.096 χ^2/NDF: 10273310.3/9

- sign 1011.431+/-0.134 χ^2/NDF: 5688787.7/49

asym_usr_atr1_avg_mean vs Slug



Right In: 2395.842+/-639.473 χ^2/NDF: 20.8/21

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3018.237+/-598.194 χ^2/NDF: 20.4/26

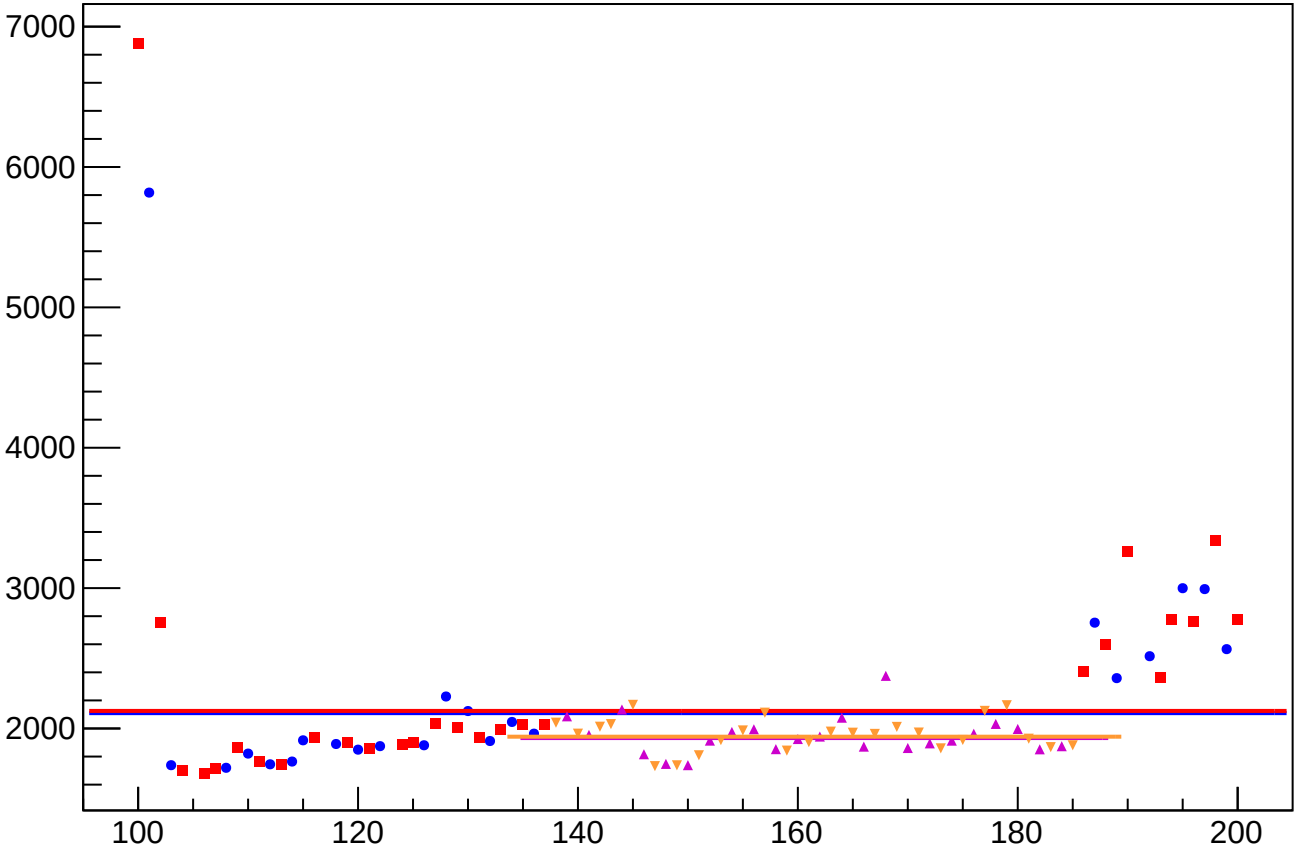
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2298.791+/-363.717 χ^2/NDF: 49.2/46

All: -125.128+/-256.139 χ^2/NDF: 190.3/96

- sign -2509.964+/-360.772 χ^2/NDF: 53.0/49

asym_usr_atr1_avg_rms vs Slug



Right In: 2109.277+/-0.452 χ^2/NDF: 1212297.3/21

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

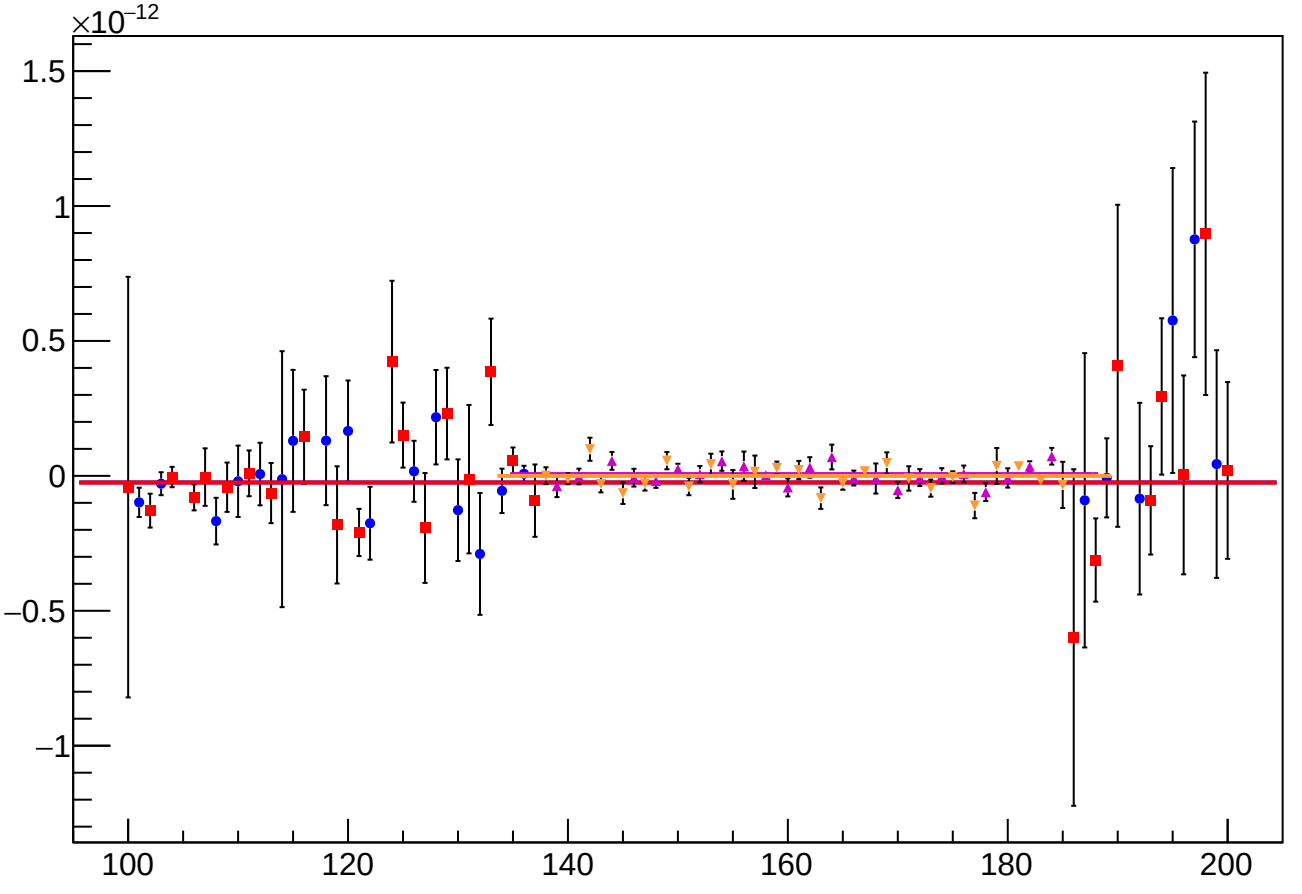
Right Out: 2125.152+/-0.423 χ^2/NDF: 1104812.5/26

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1995.833+/-0.257 χ^2/NDF: 1444351.9/46

All: 1999.010+/-0.181 χ^2/NDF: 2842276.6/96

- sign 2002.137+/-0.255 χ^2/NDF: 1397621.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

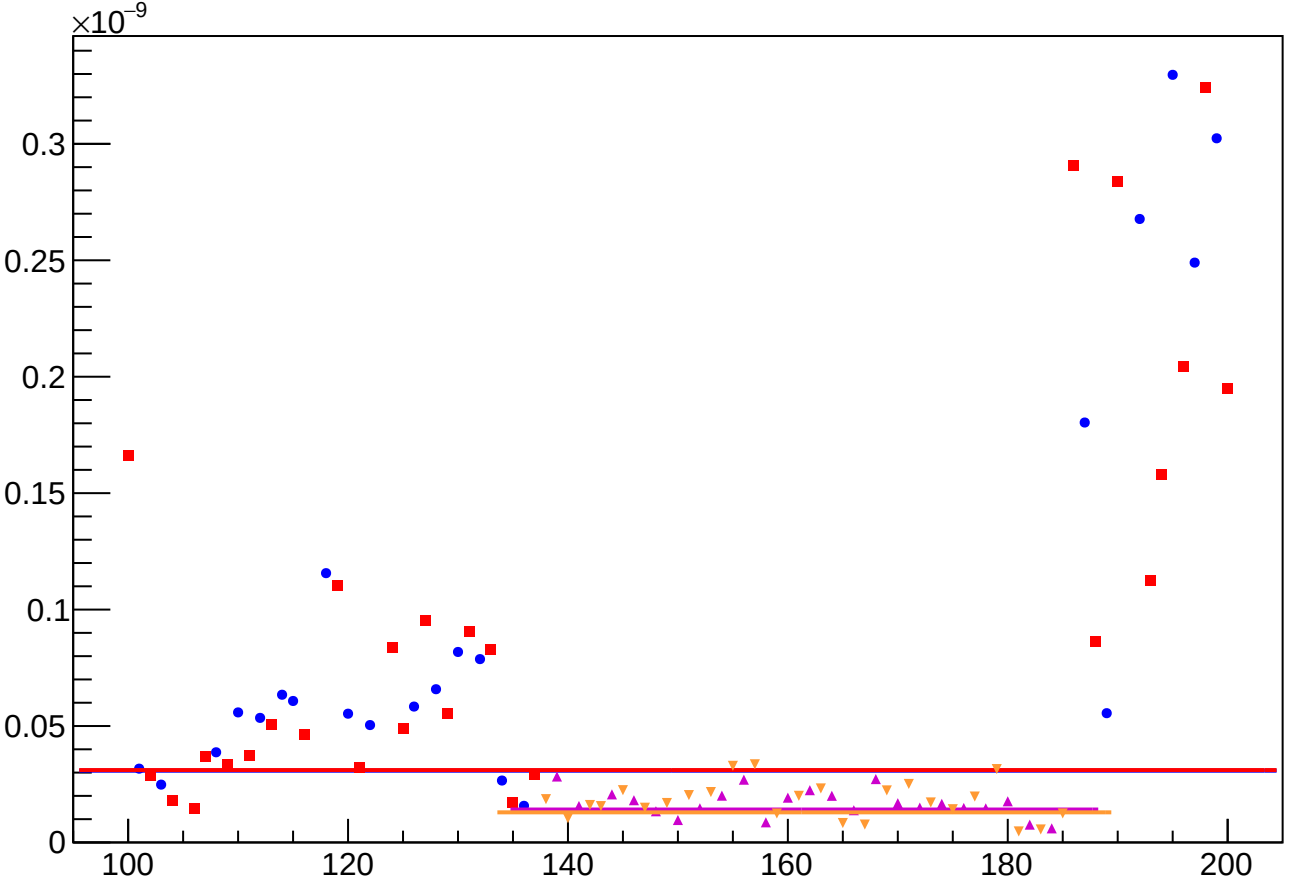
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/26

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/46

All: 0.000+/-0.000 χ^2/NDF: 124.5/96

- sign 0.000+/-0.000 χ^2/NDF: 63.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4513087.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4744038.3/26

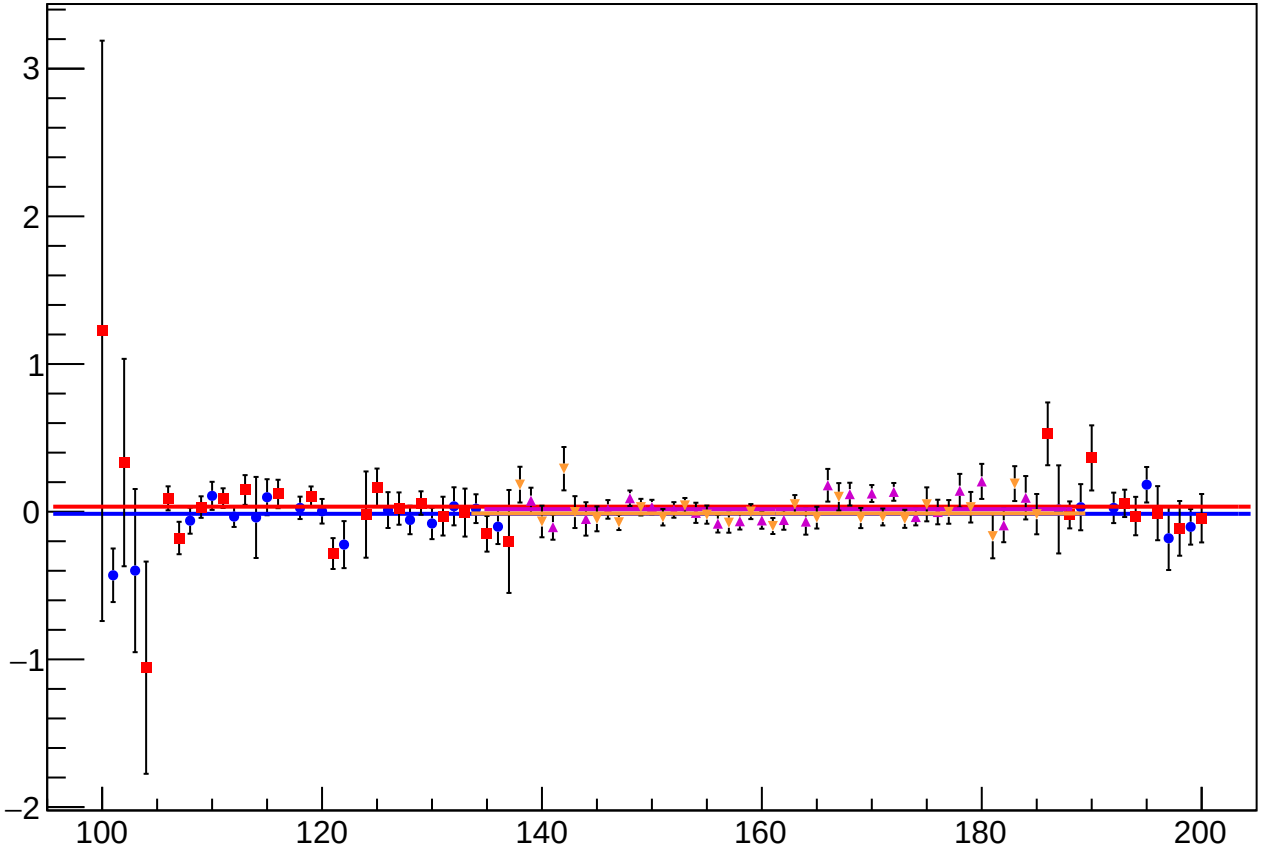
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8980583.0/46

All: 0.000+/-0.000 χ^2/NDF: 16743118.3/96

- sign 0.000+/-0.000 χ^2/NDF: 7707553.4/49

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

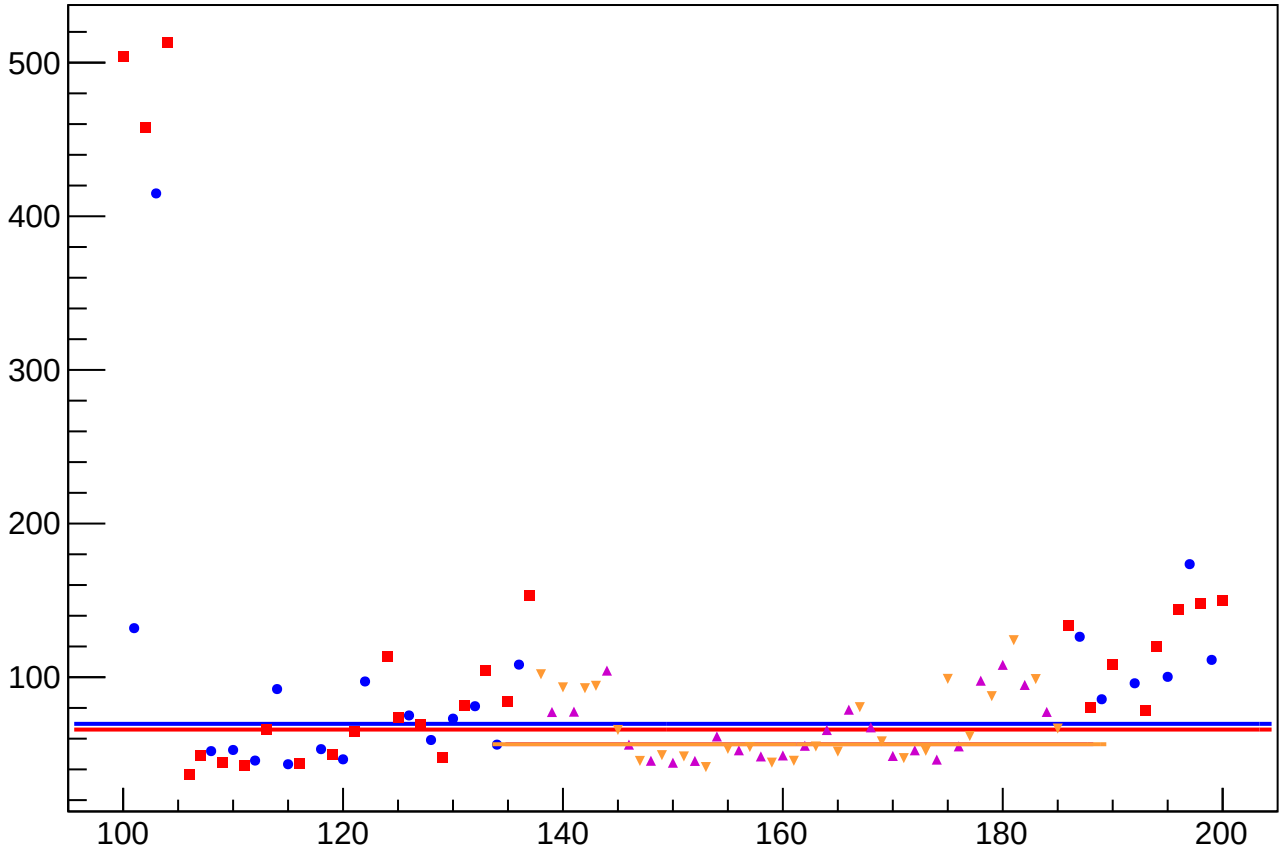
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/96

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

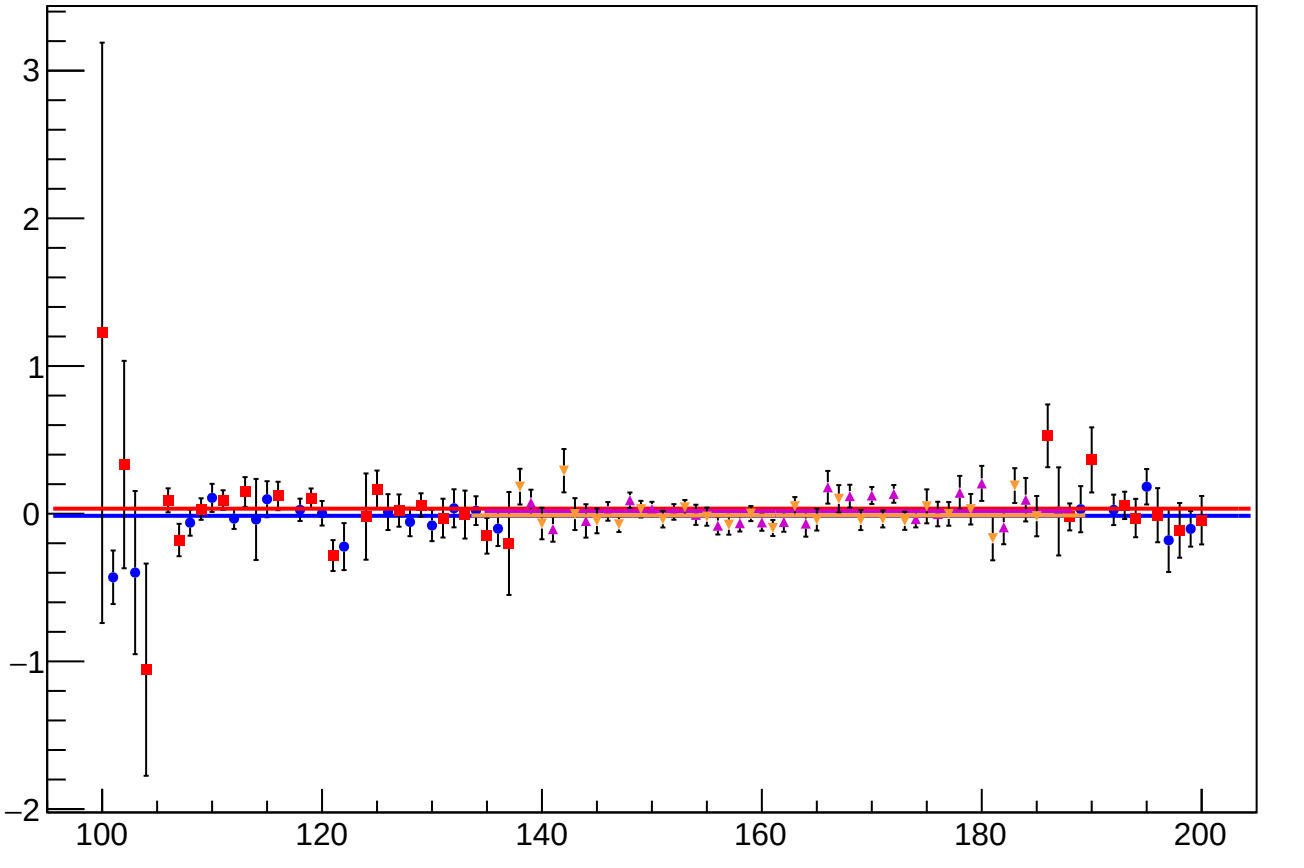
Right Out: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415434.7/46

All: 59.589+/-0.006 χ^2/NDF: 13732240.4/96

- sign 59.349+/-0.009 χ^2/NDF: 7315191.7/49



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

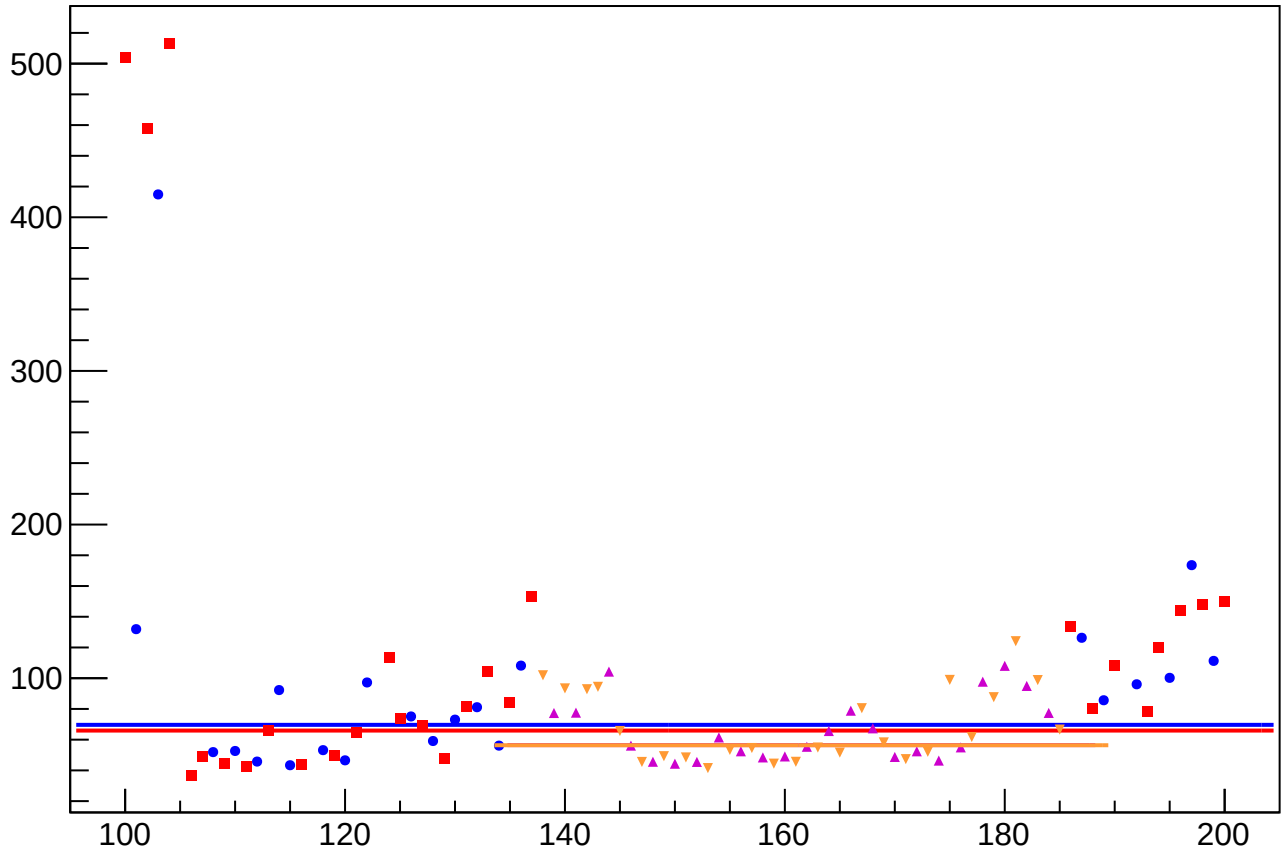
Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/96

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

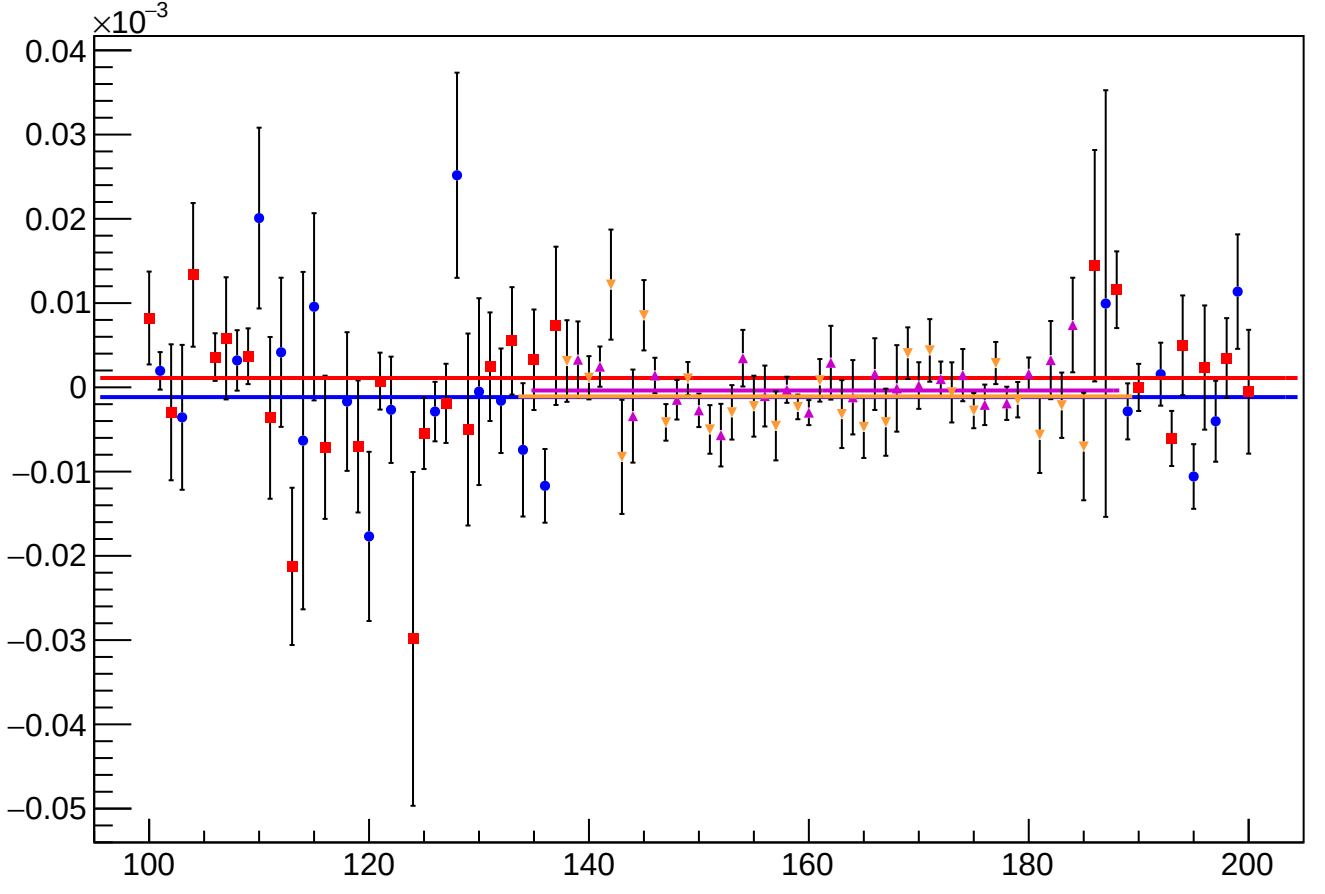
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415434.7/46

All: 59.589+/-0.006 χ^2/NDF: 13732240.4/96

- sign 59.349+/-0.009 χ^2/NDF: 7315191.7/49

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

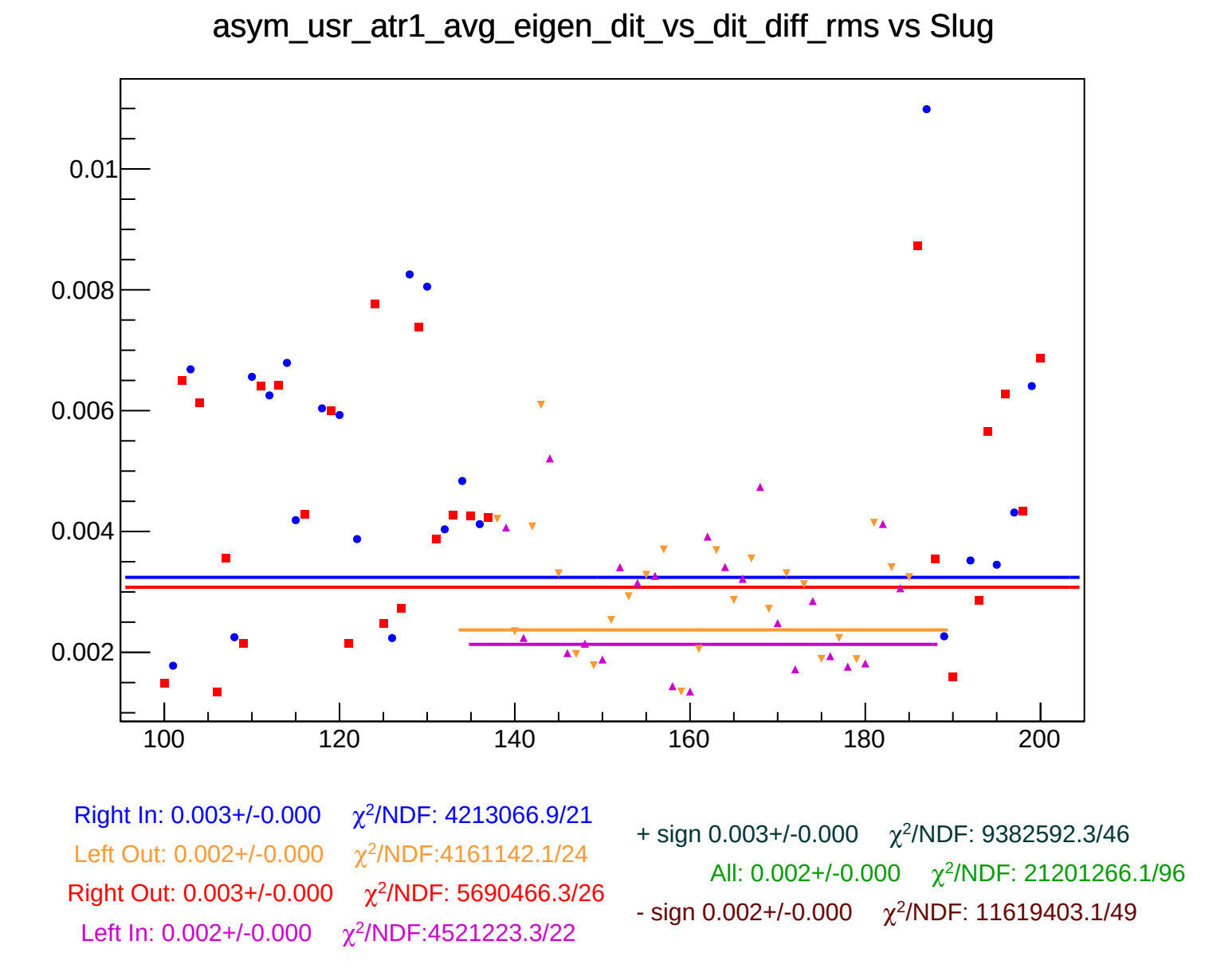
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/26

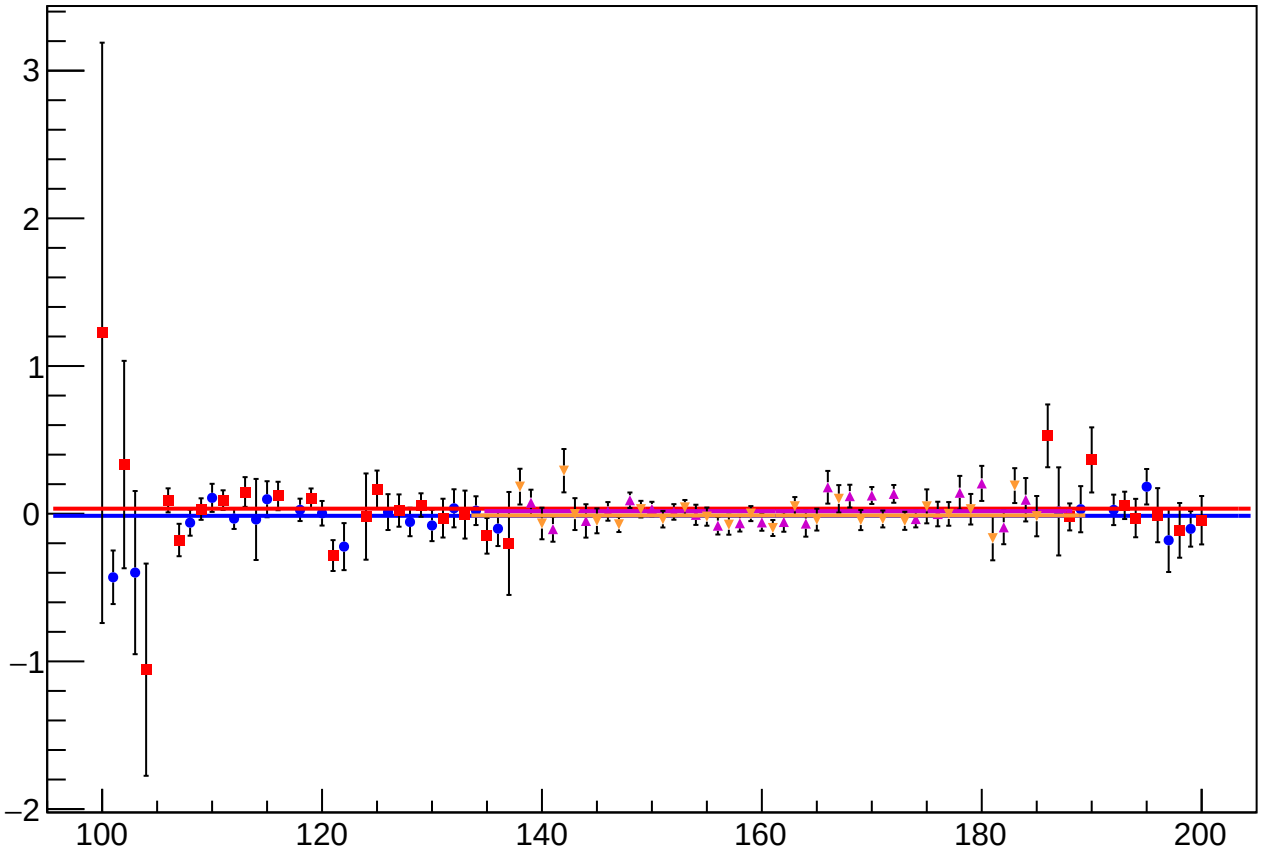
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.2/46

All: -0.000+/-0.000 χ^2/NDF: 119.2/96

- sign -0.000+/-0.000 χ^2/NDF: 51.6/49


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4213066.9/21
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5690466.3/26
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 9382592.3/46
All: 0.002+/-0.000 χ²/NDF: 21201266.1/96
- sign 0.002+/-0.000 χ²/NDF: 11619403.1/49



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

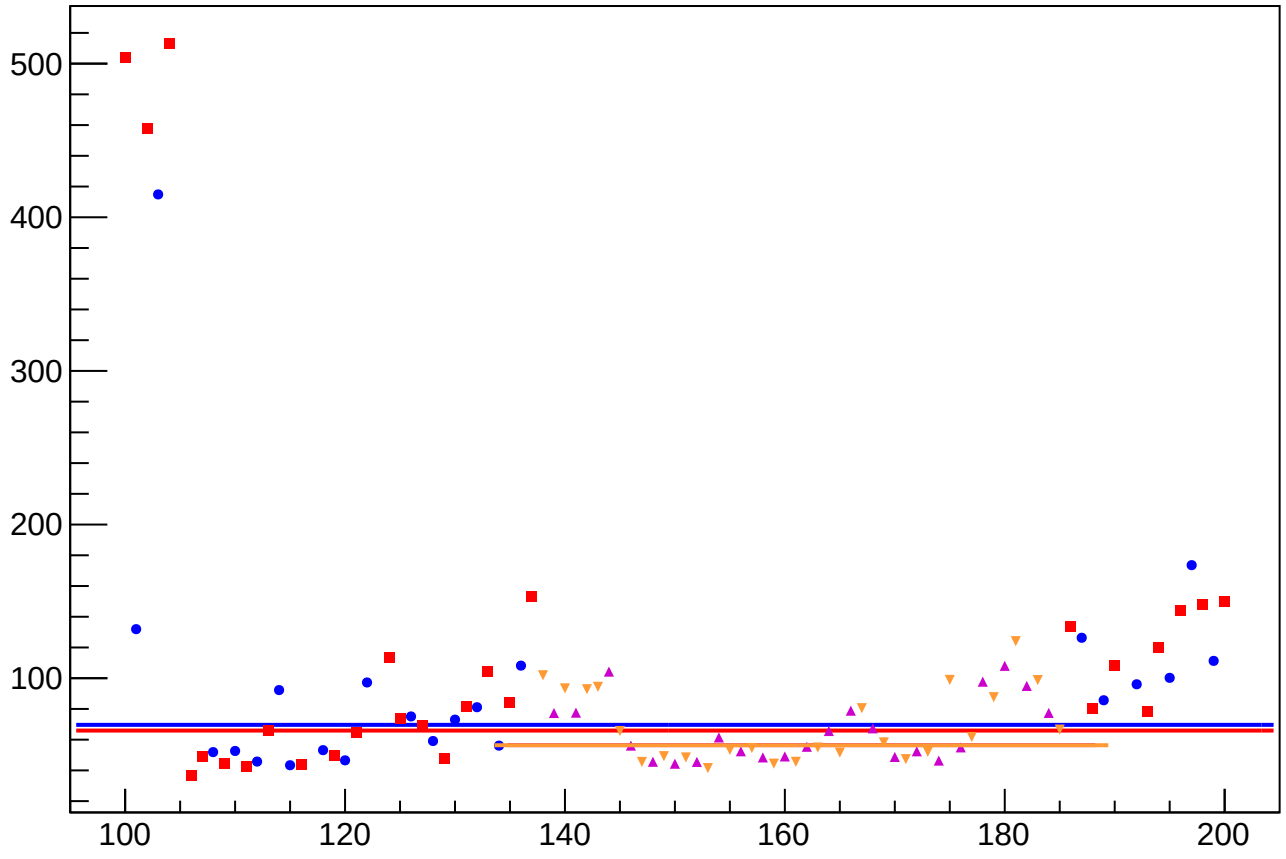
Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/96

\- sign 0.022+/-0.012 χ^2/NDF: 64.6/49



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

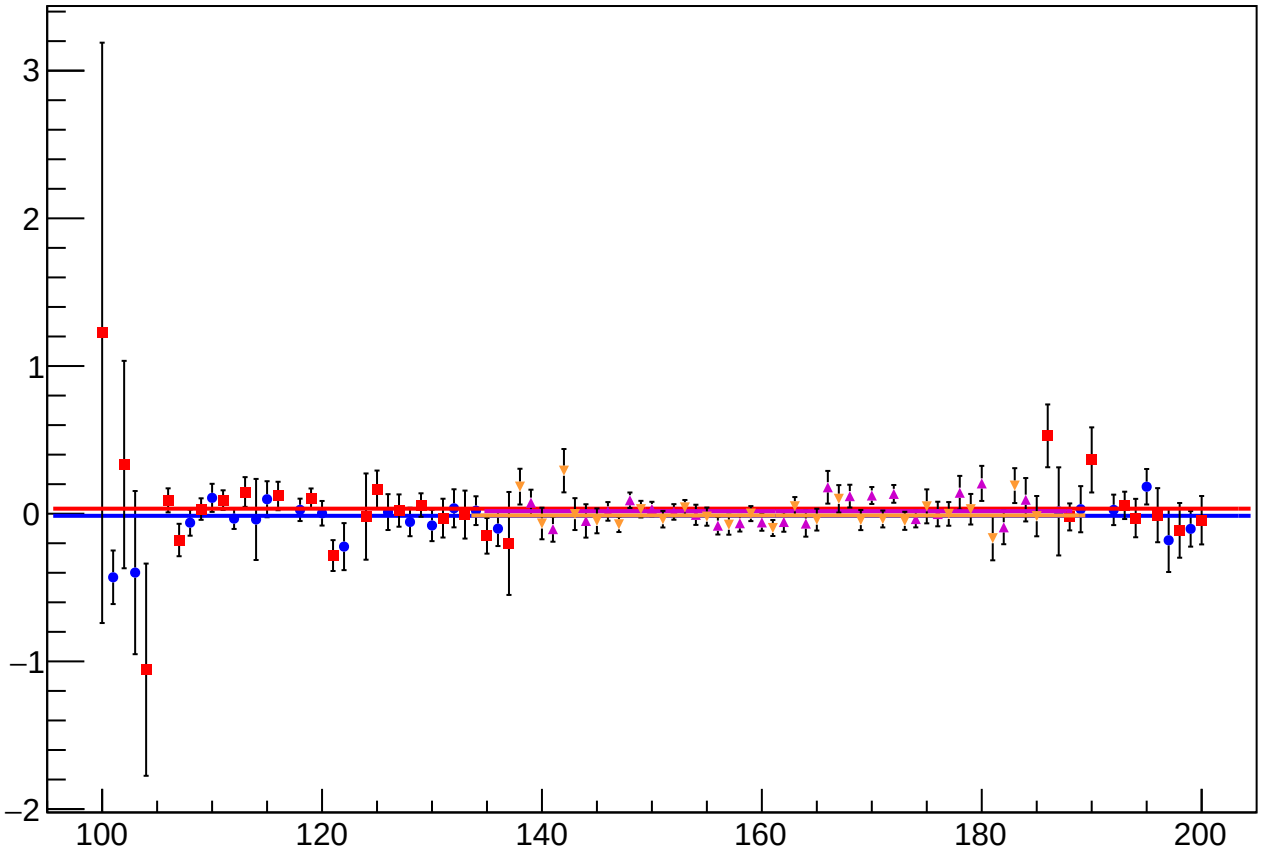
Right Out: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415430.5/46

All: 59.589+/-0.006 χ^2/NDF: 13732177.5/96

- sign 59.349+/-0.009 χ^2/NDF: 7315132.0/49



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

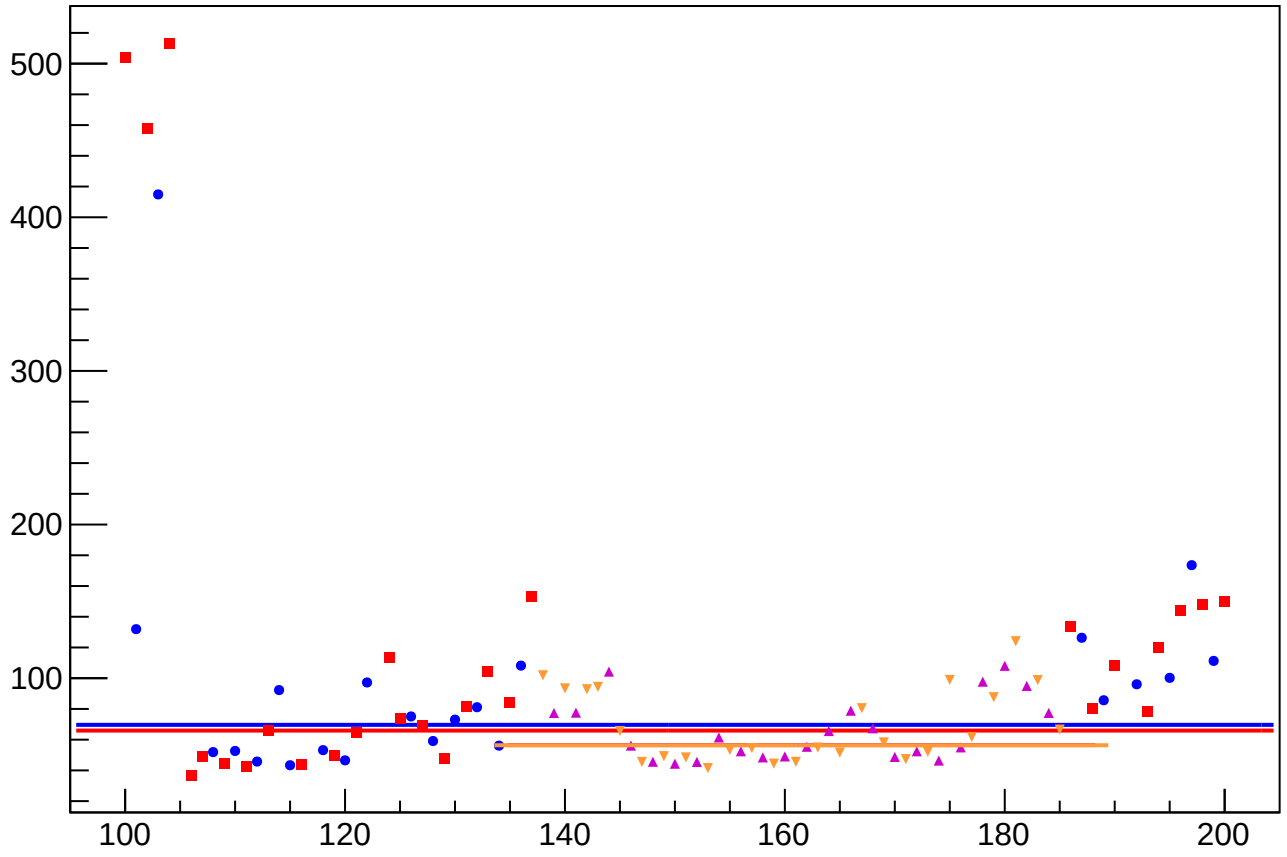
Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/96

\- sign 0.022+/-0.012 χ^2/NDF: 64.6/49



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

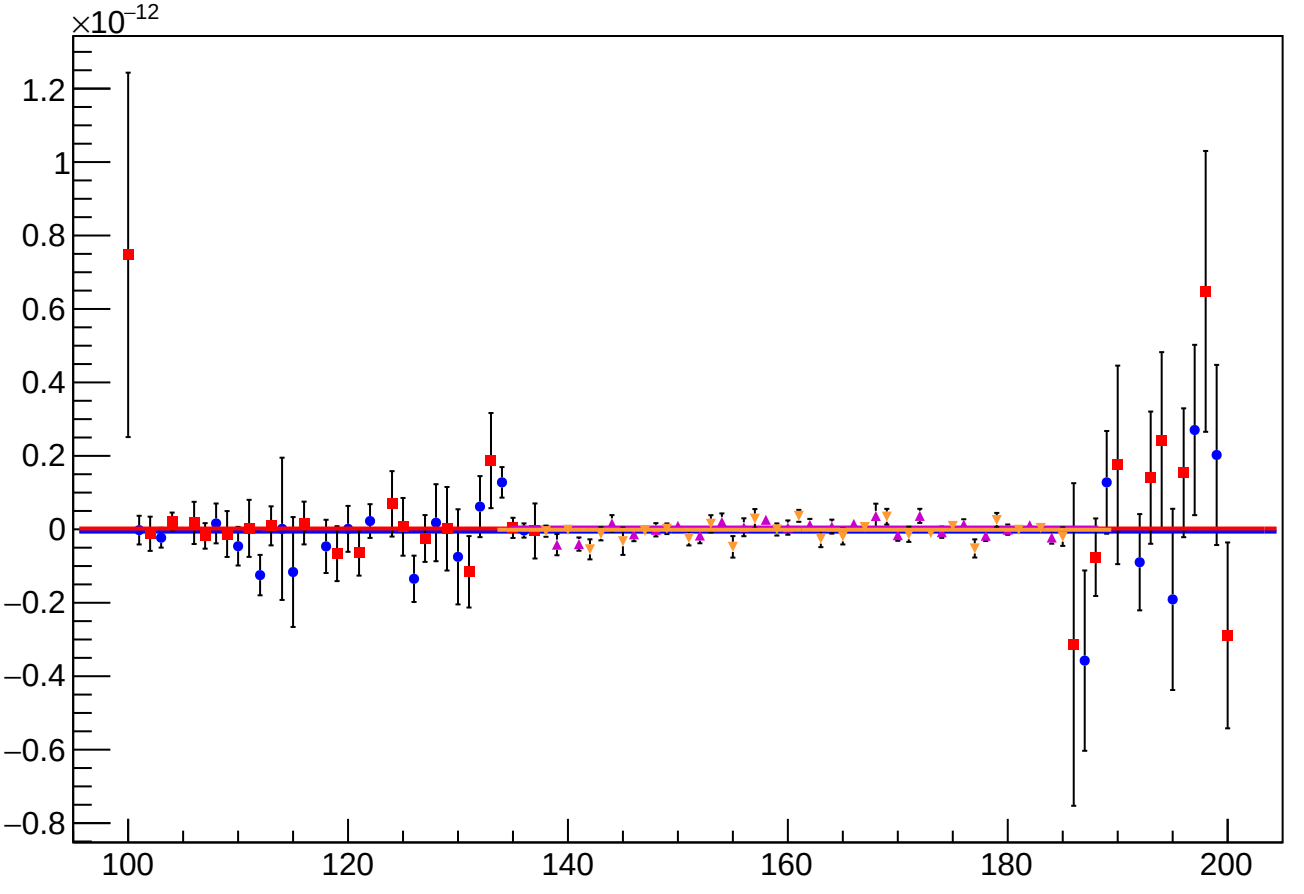
Right Out: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415430.5/46

All: 59.589+/-0.006 χ^2/NDF: 13732177.5/96

- sign 59.349+/-0.009 χ^2/NDF: 7315132.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

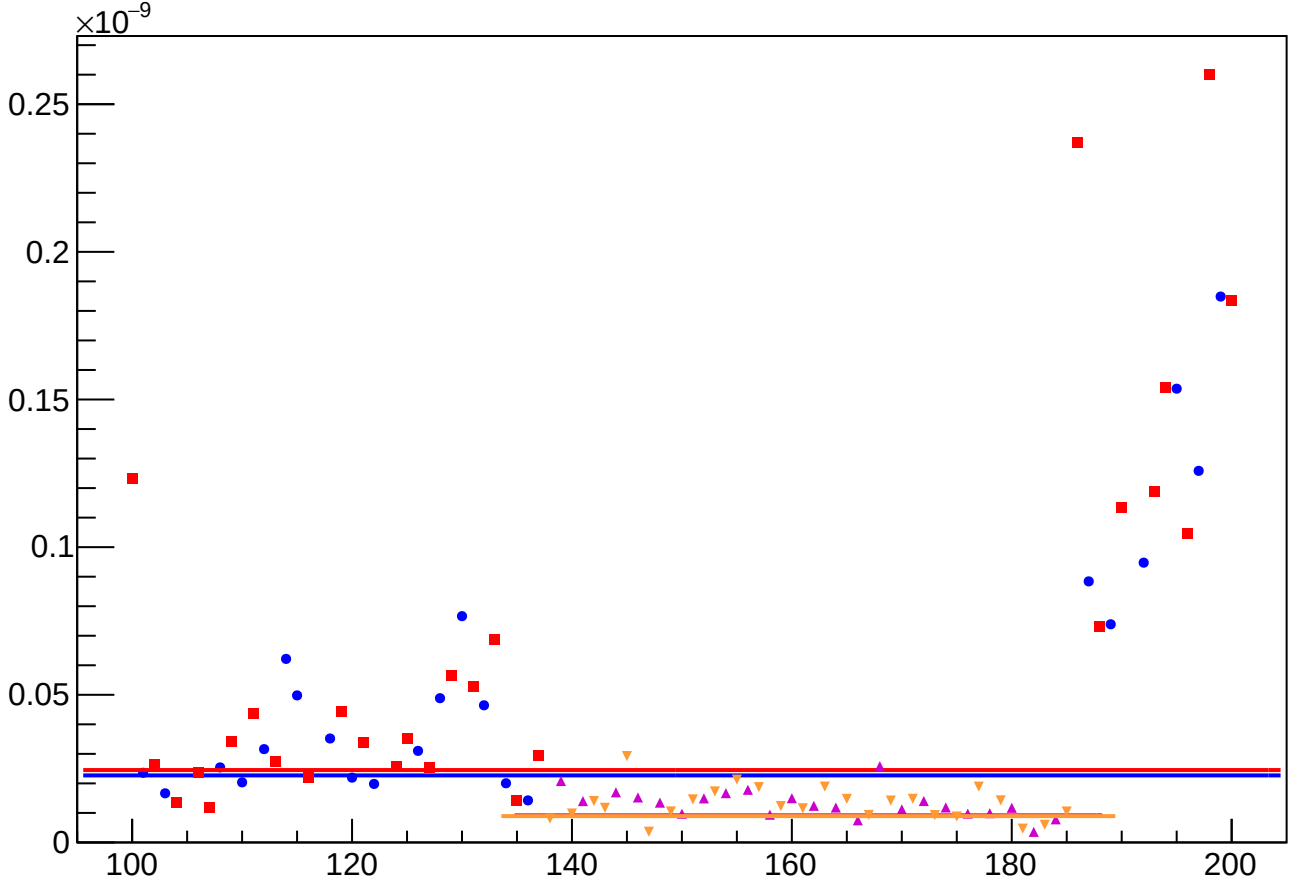
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/26

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

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/46

All: 0.000+/-0.000 χ^2/NDF: 107.0/96

- sign 0.000+/-0.000 χ^2/NDF: 46.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 4288217.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6213003.3/26

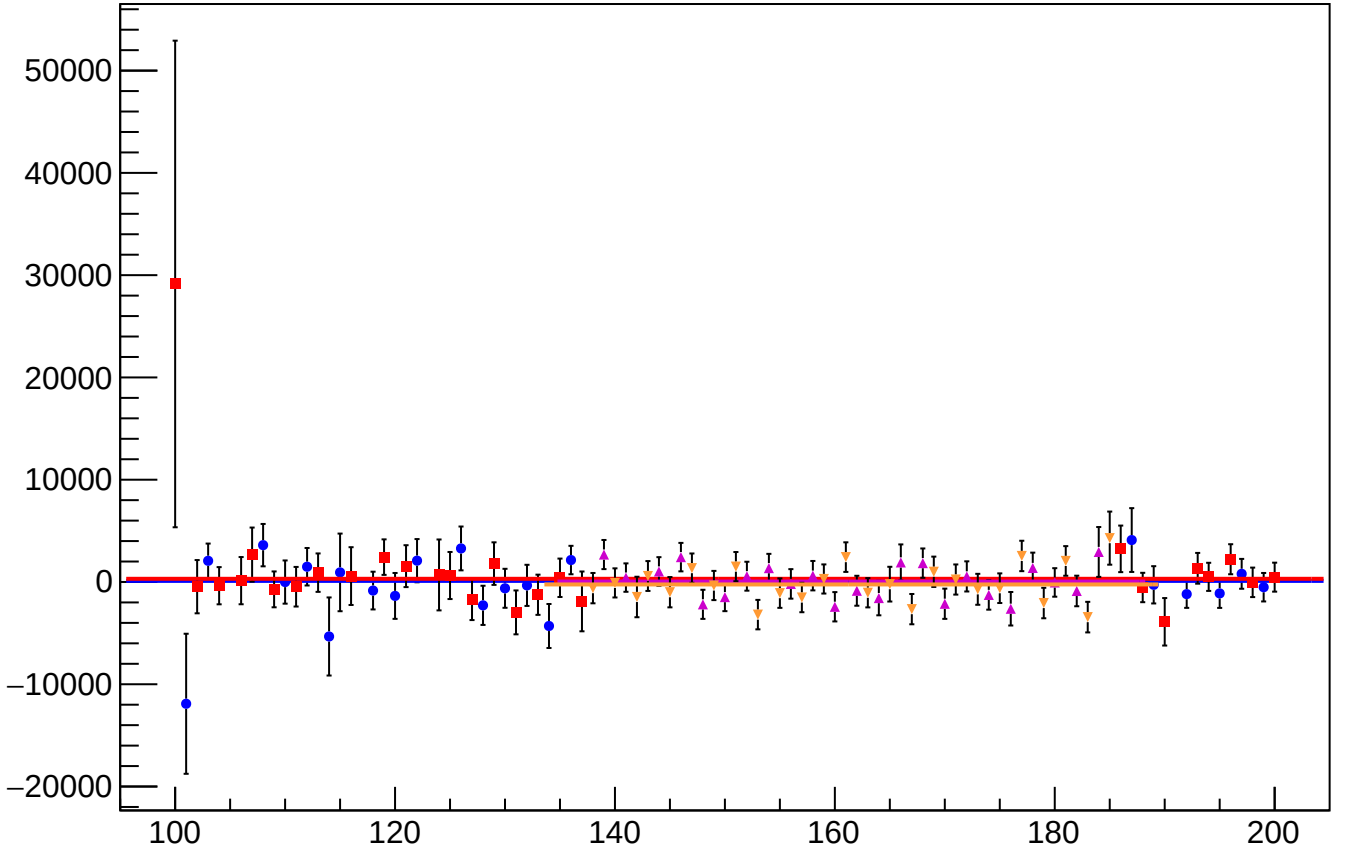
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12198839.4/46

All: 0.000+/-0.000 χ^2/NDF: 26714650.5/96

- sign 0.000+/-0.000 χ^2/NDF: 14502298.6/49

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 106.734+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 310.740+/-371.092 χ^2/NDF: 17.6/26

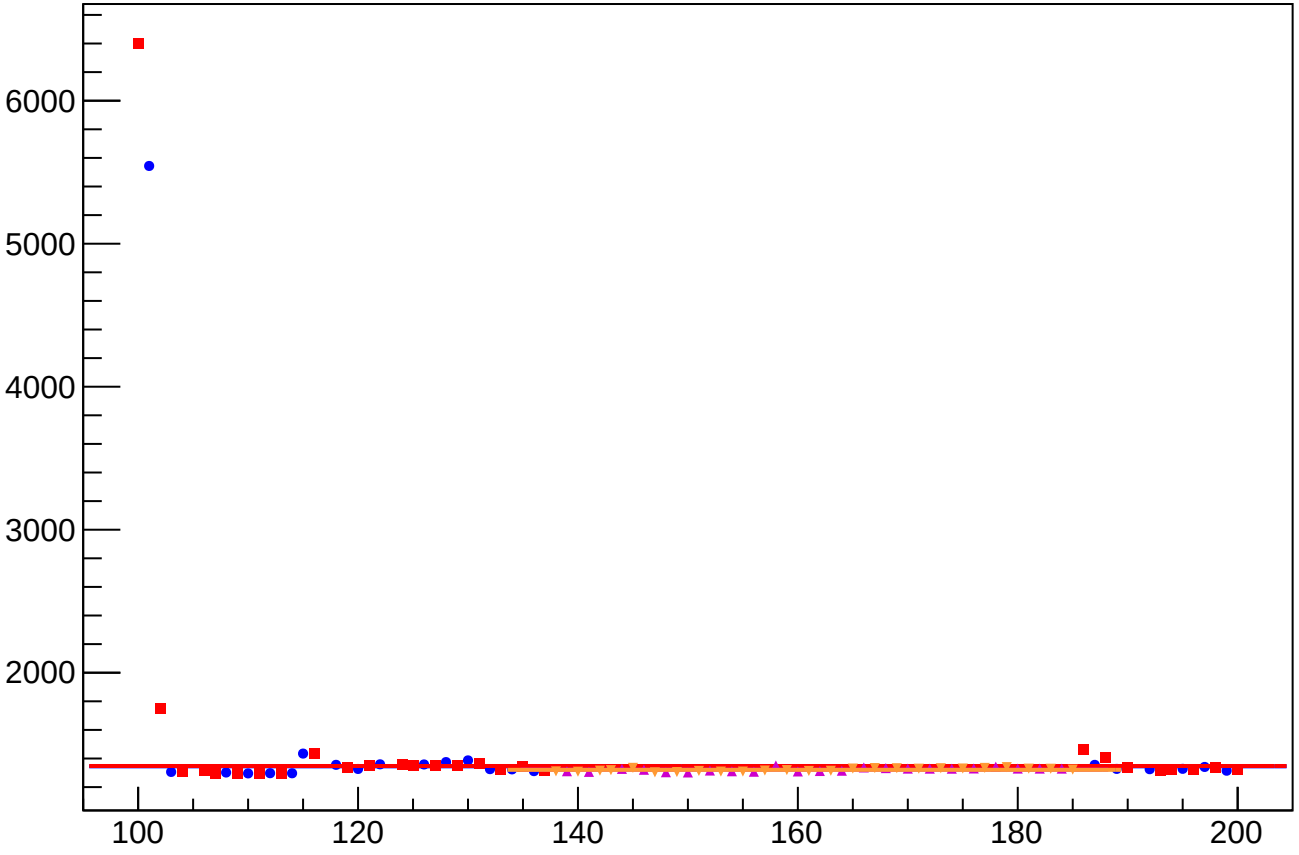
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -116.768+/-240.563 χ^2/NDF: 57.8/46

All: 18.535+/-168.933 χ^2/NDF: 103.5/96

- sign 150.177+/-237.285 χ^2/NDF: 45.1/49

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763131.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.693+/-0.262 χ^2/NDF: 158561.9/26

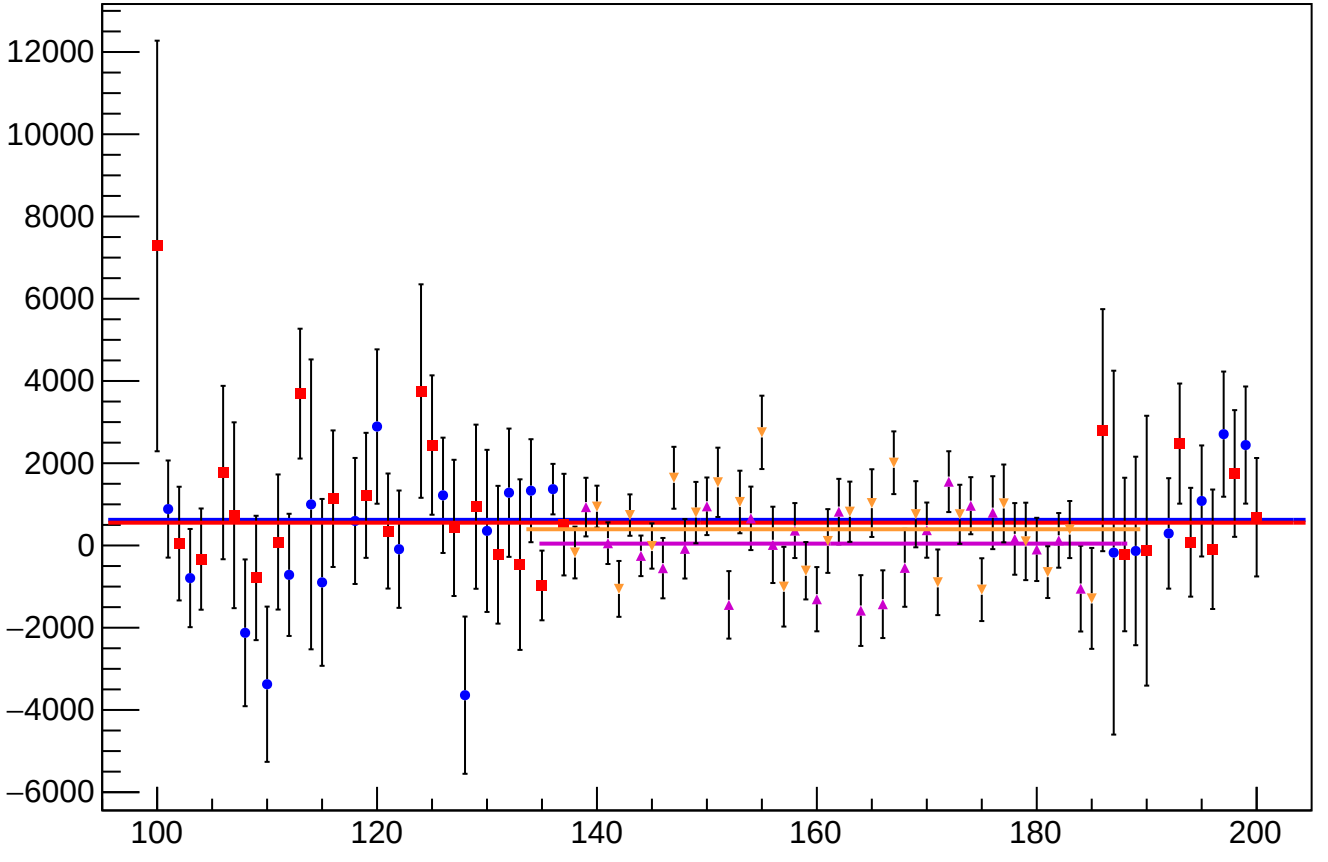
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770487.5/46

All: 1330.948+/-0.119 χ^2/NDF: 938513.4/96

- sign 1332.376+/-0.168 χ^2/NDF: 167879.0/49

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 622.905+/-301.530 χ^2/NDF: 22.4/21

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 554.068+/-303.991 χ^2/NDF: 18.0/26

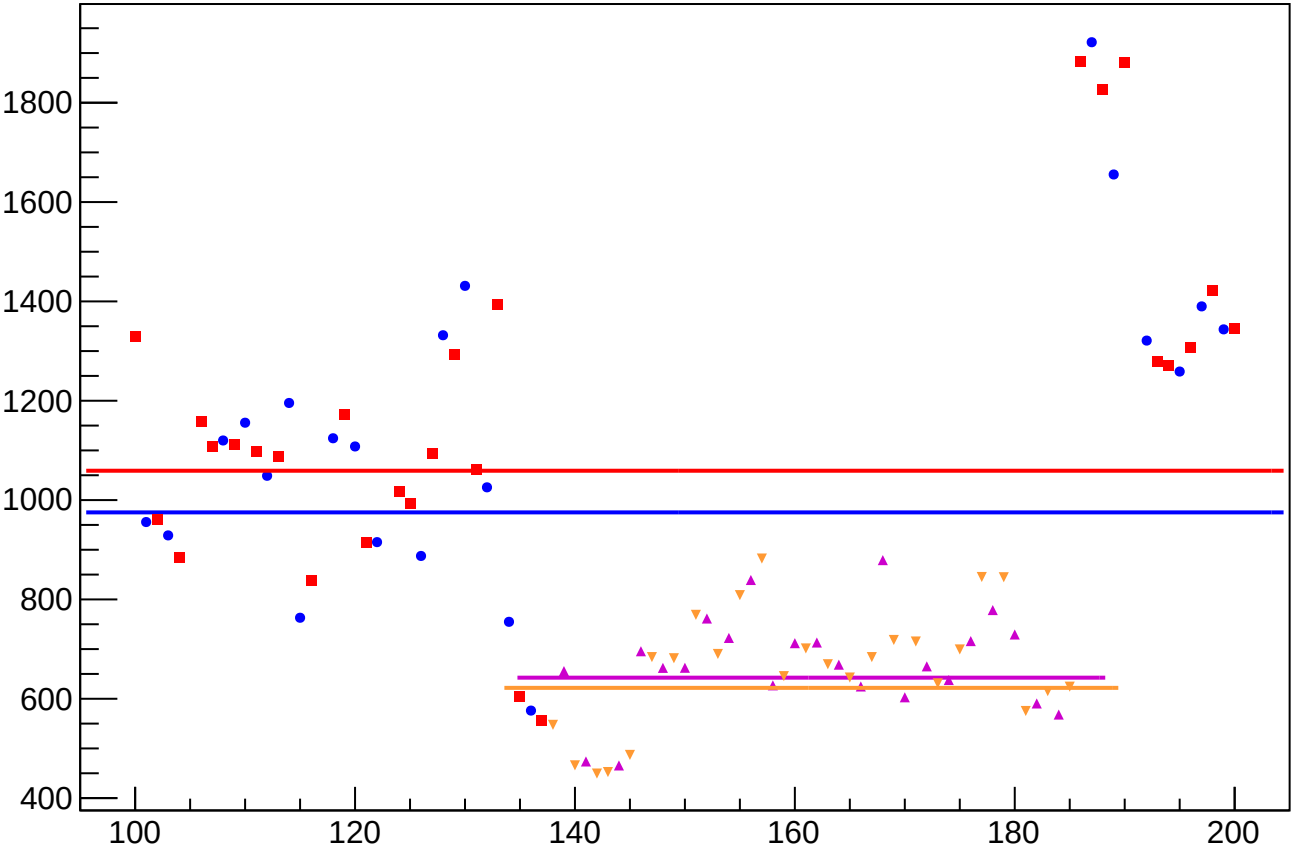
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 437.228+/-130.355 χ^2/NDF: 64.7/46

All: 298.463+/-94.170 χ^2/NDF: 114.8/96

- sign 146.997+/-136.190 χ^2/NDF: 47.8/49

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 975.221+/-0.213 χ^2/NDF: 1965758.2/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1059.097+/-0.215 χ^2/NDF: 2090004.2/26

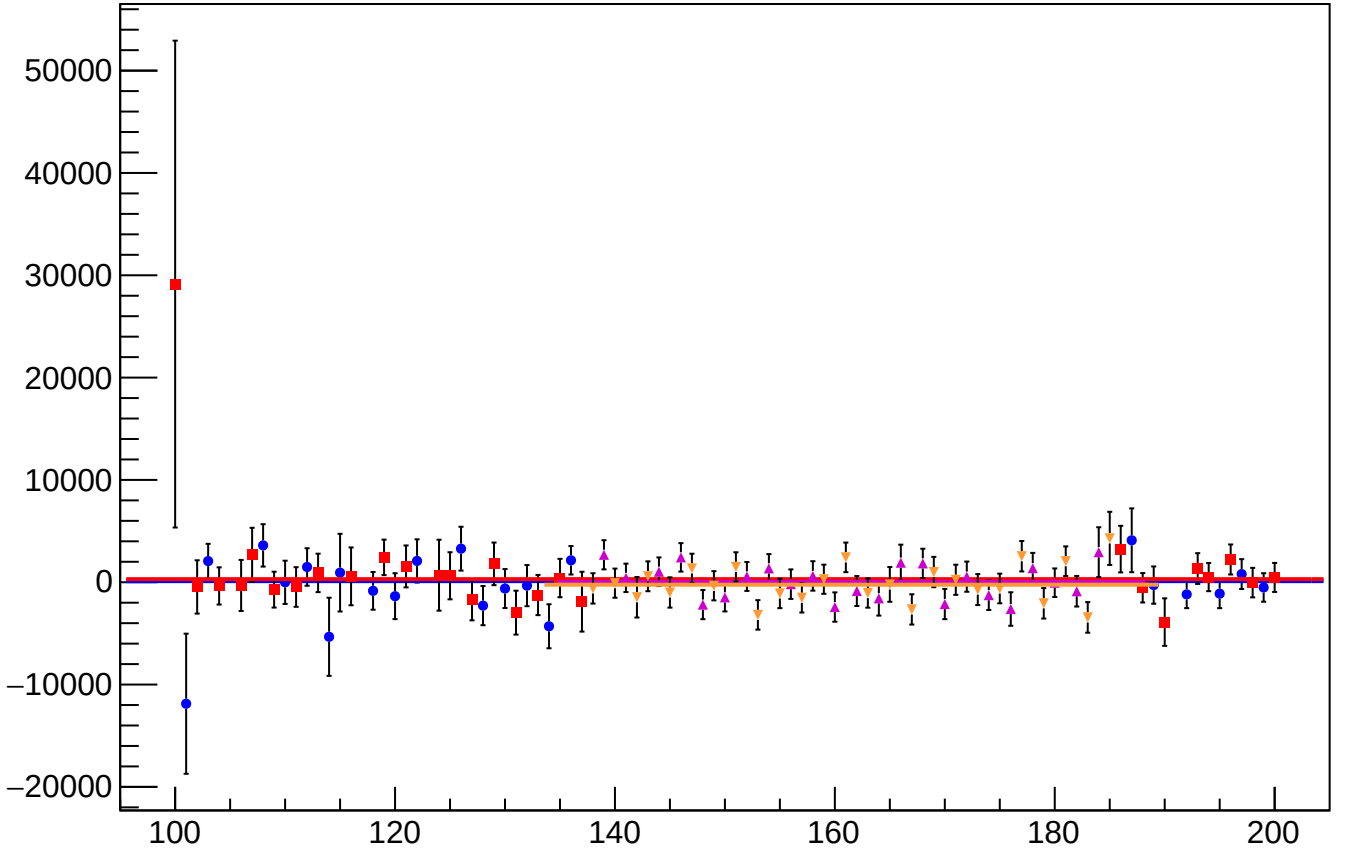
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 687.974+/-0.092 χ^2/NDF: 5581434.2/46

All: 706.199+/-0.067 χ^2/NDF: 11682197.5/96

- sign 726.091+/-0.096 χ^2/NDF: 6019001.9/49

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 301.741+/-371.785 χ^2/NDF: 17.7/26

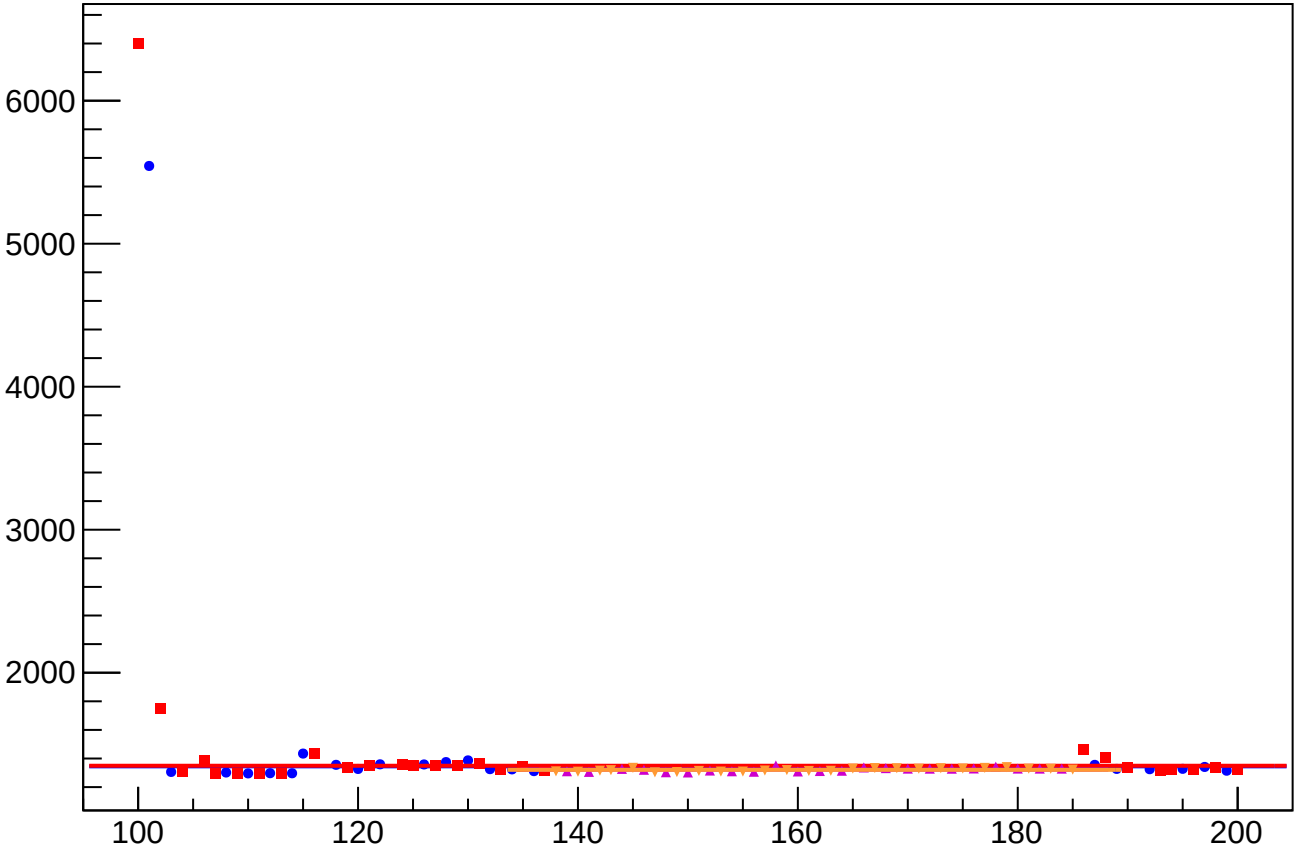
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -116.725+/-240.563 χ^2/NDF: 57.8/46

All: 16.493+/-168.998 χ^2/NDF: 103.5/96

- sign 146.302+/-237.466 χ^2/NDF: 45.1/49

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

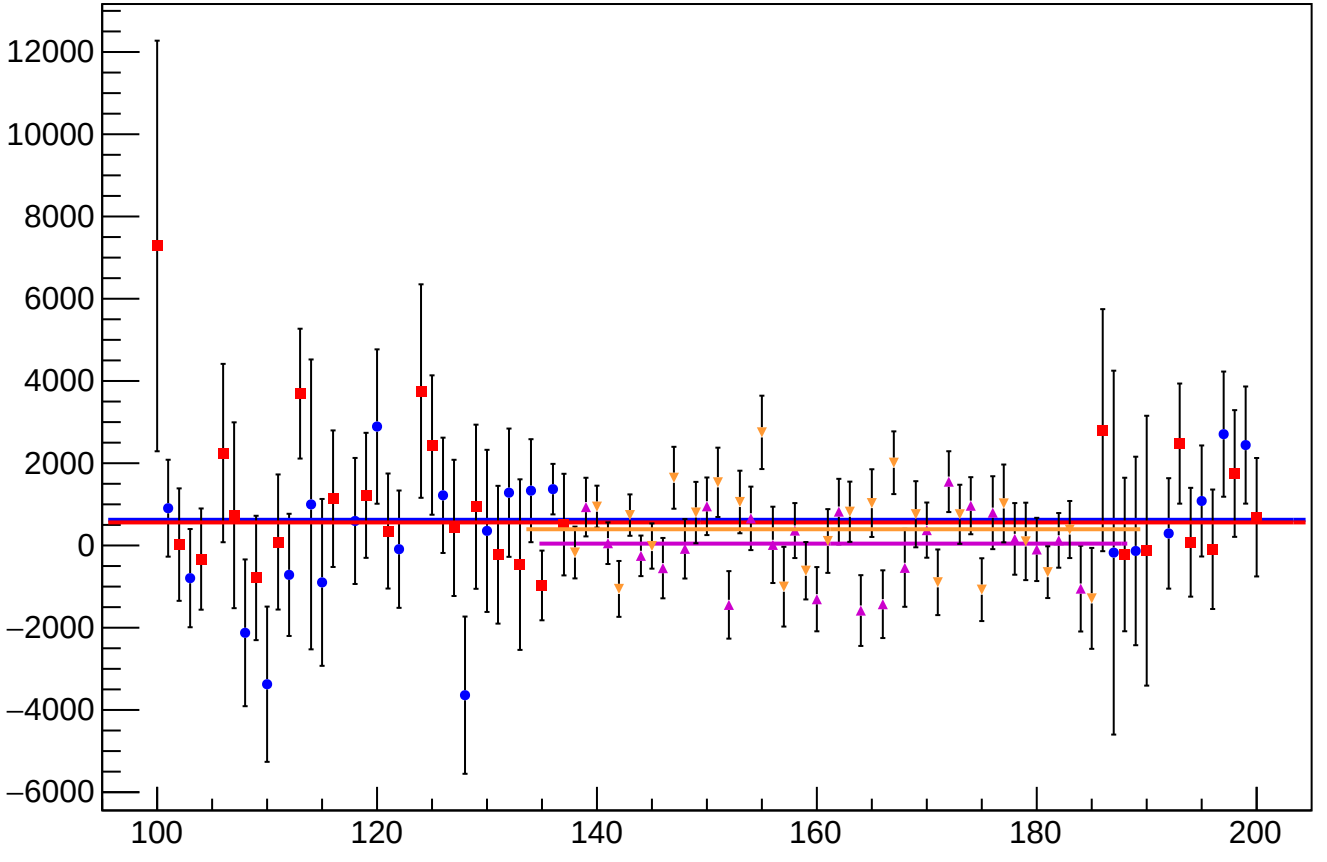
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770486.5/46

All: 1331.286+/-0.119 χ^2/NDF: 939511.3/96

- sign 1333.045+/-0.168 χ^2/NDF: 168802.4/49

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 624.239+/-301.489 χ^2/NDF: 22.4/21

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 560.261+/-303.994 χ^2/NDF: 18.2/26

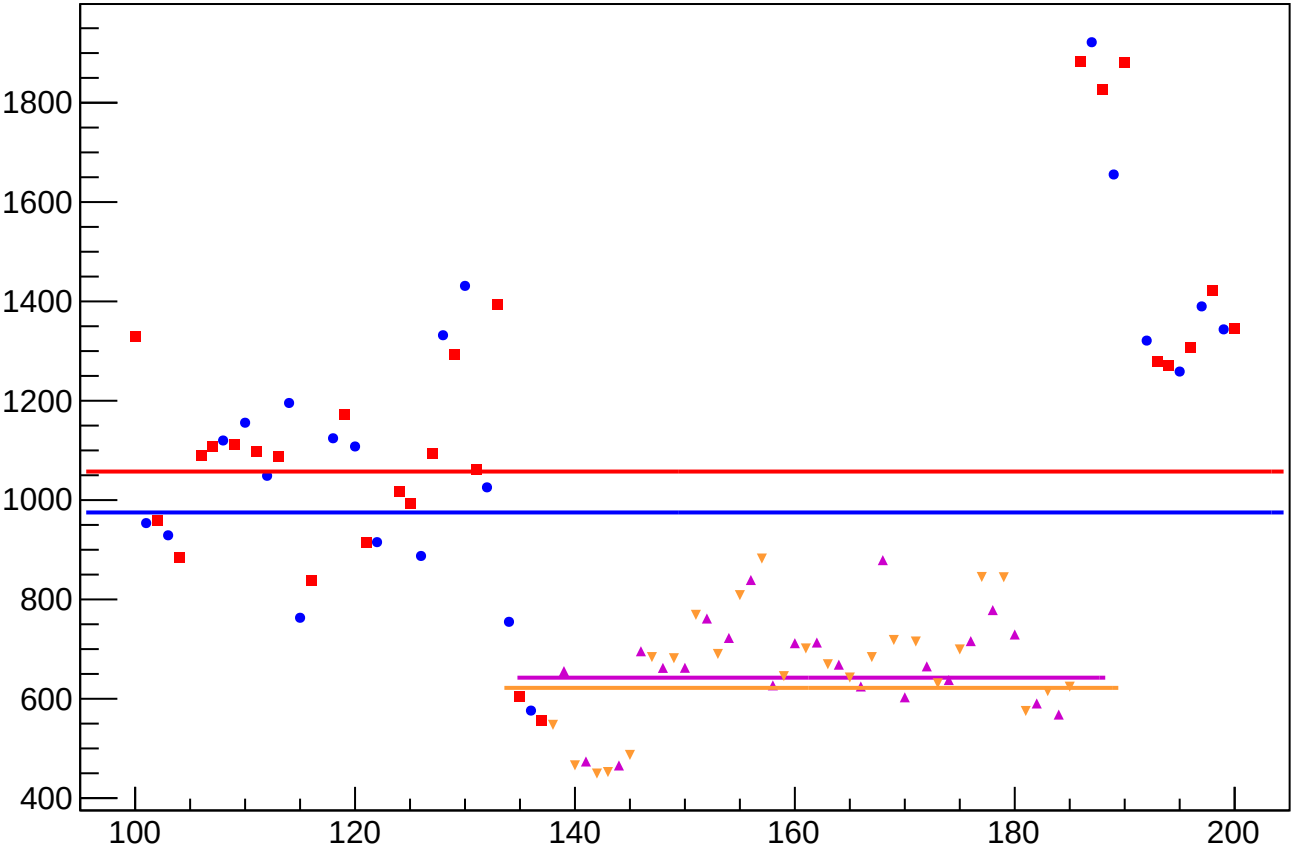
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 437.464+/-130.351 χ^2/NDF: 64.7/46

All: 299.178+/-94.169 χ^2/NDF: 115.2/96

- sign 148.228+/-136.190 χ^2/NDF: 48.1/49

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

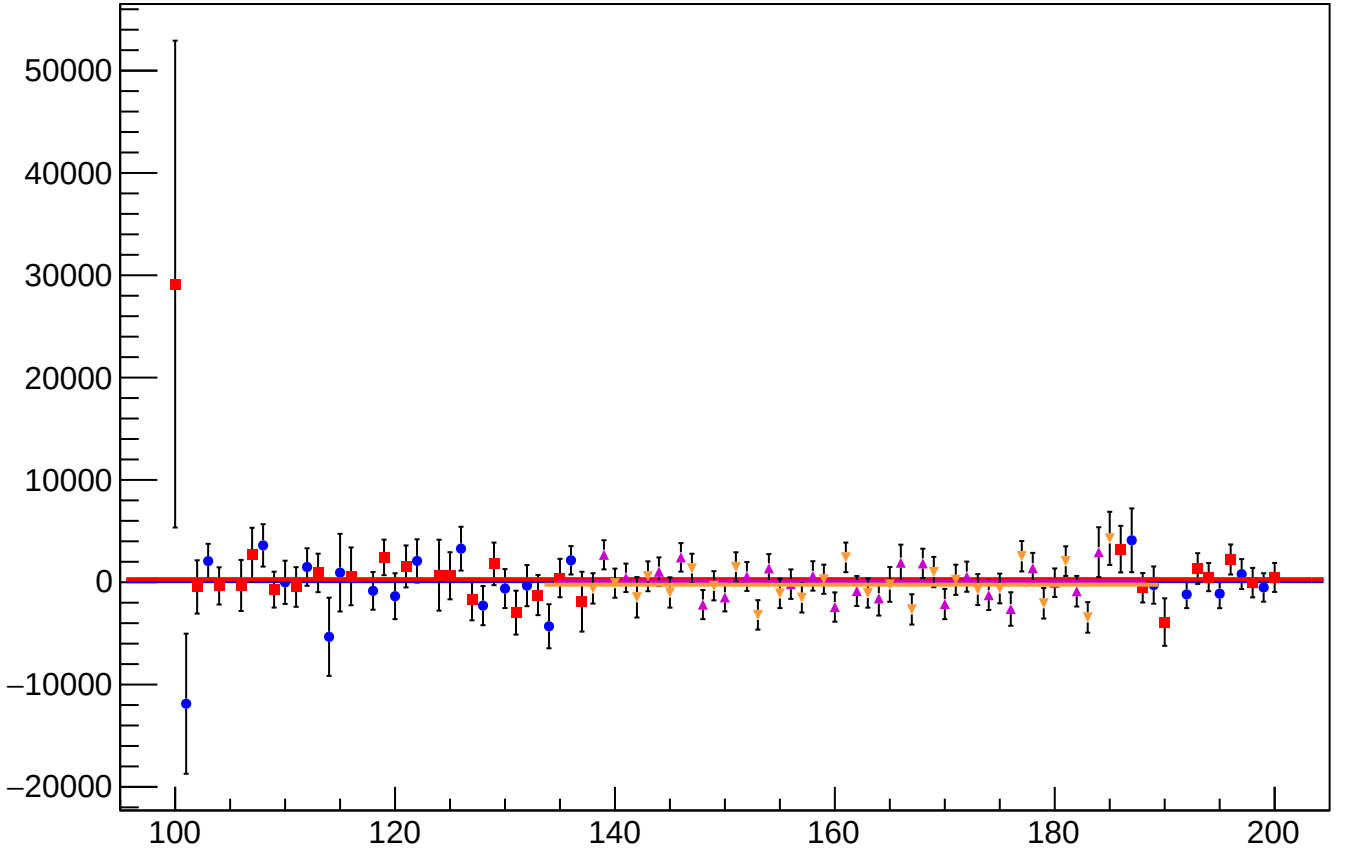
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 687.965+/-0.092 χ^2/NDF: 5580252.3/46

All: 706.034+/-0.067 χ^2/NDF: 11652896.3/96

\- sign 725.759+/-0.096 χ^2/NDF: 5992259.8/49

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 301.741+/-371.785 χ^2/NDF: 17.7/26

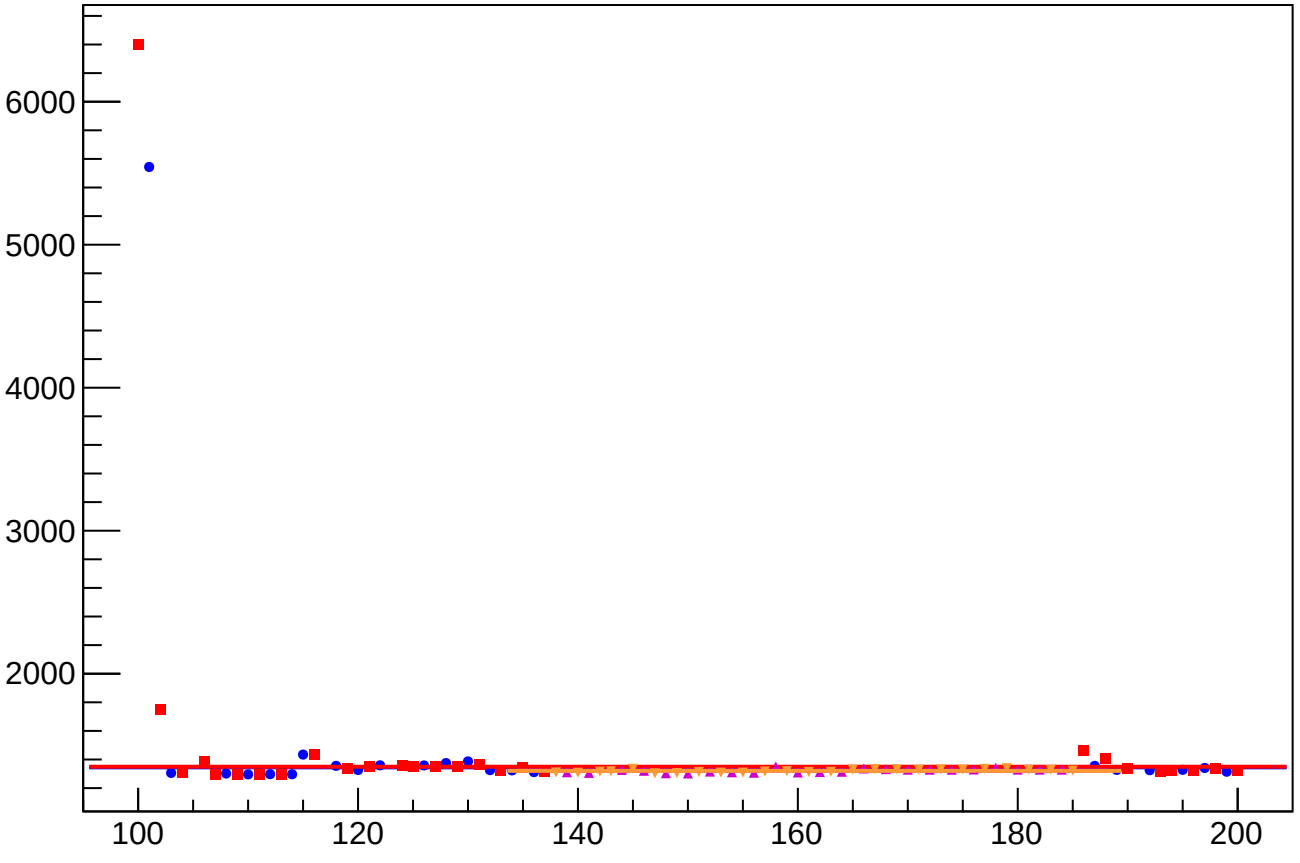
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -116.725+/-240.563 χ^2/NDF: 57.8/46

All: 16.493+/-168.998 χ^2/NDF: 103.5/96

- sign 146.302+/-237.466 χ^2/NDF: 45.1/49

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

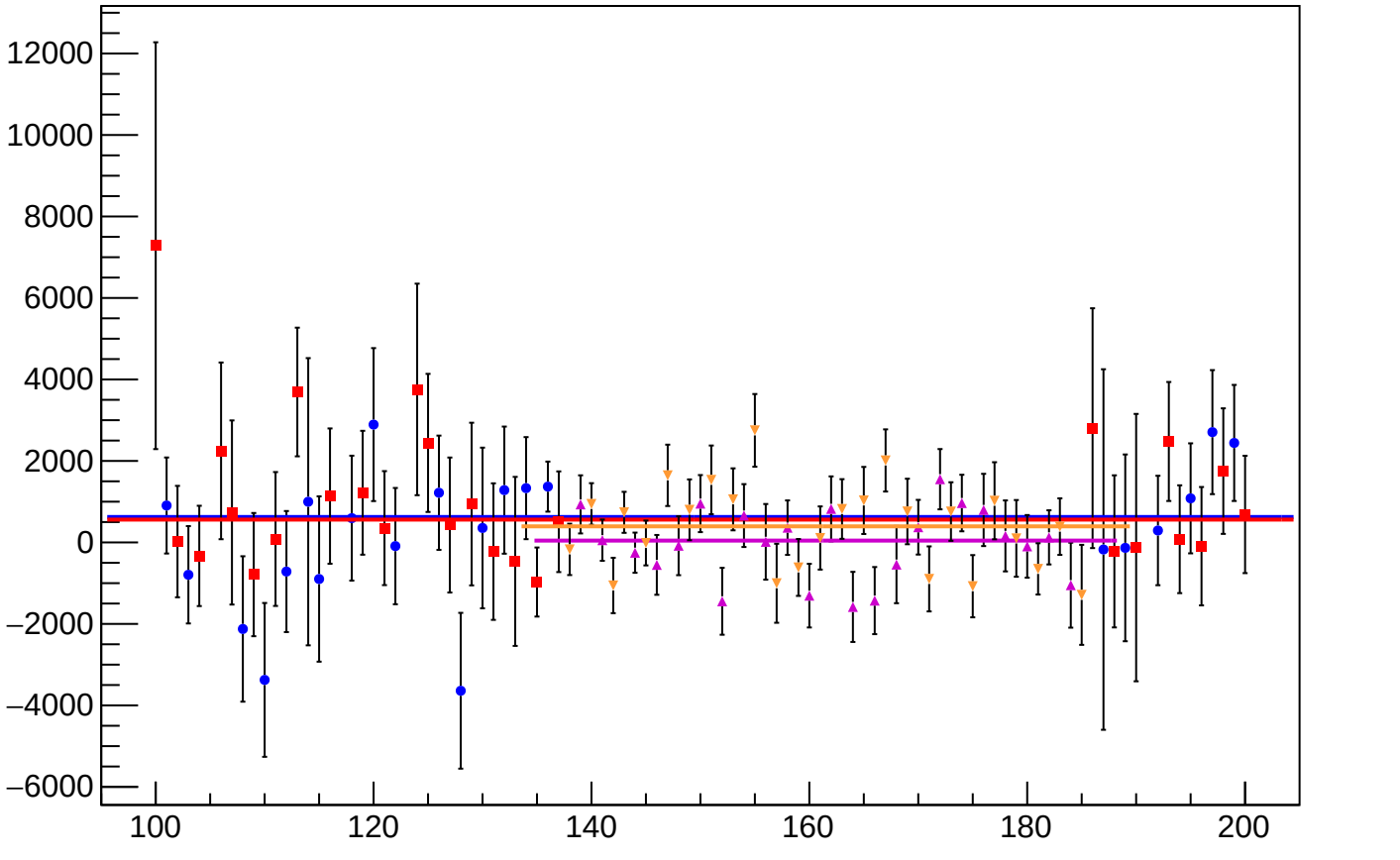
Right Out: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

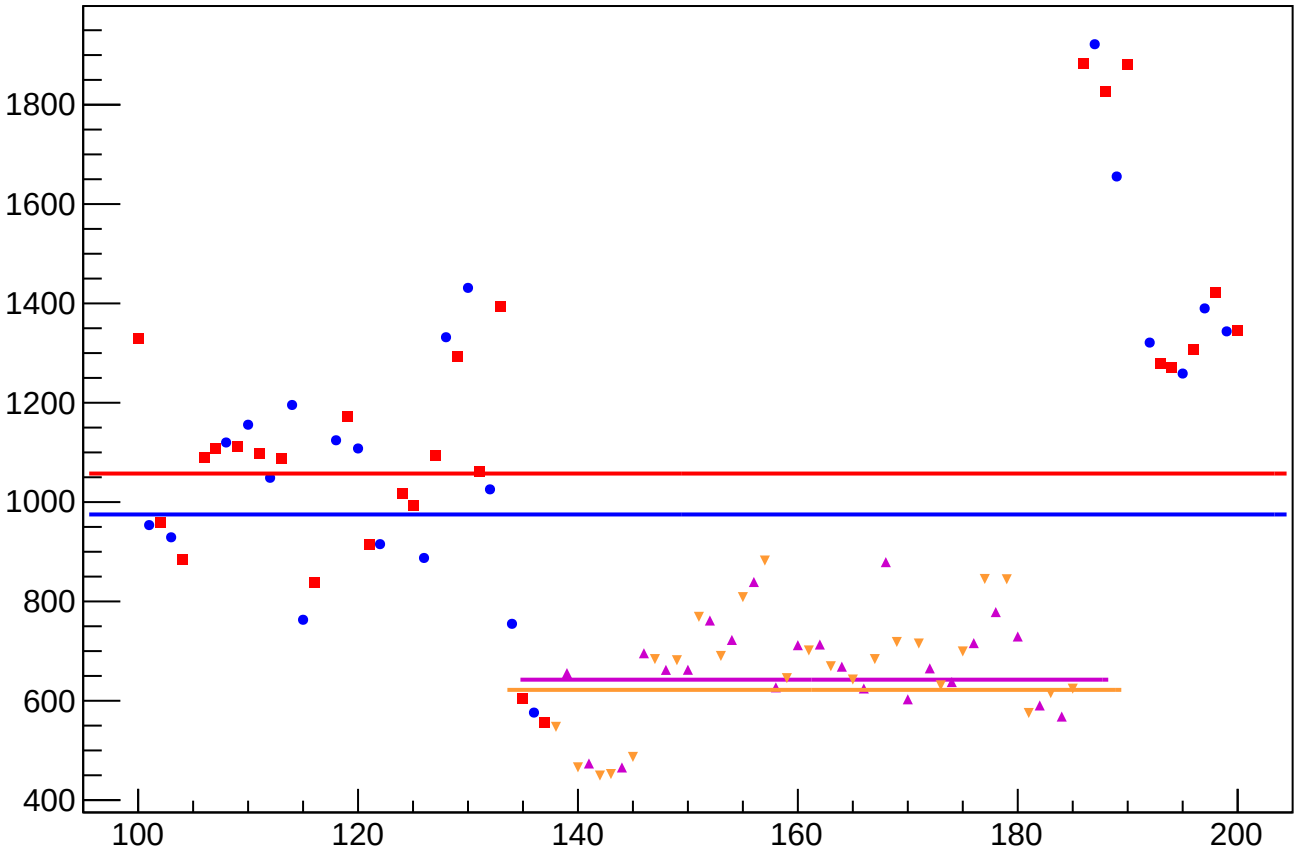
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770486.5/46

All: 1331.286+/-0.119 χ^2/NDF: 939511.3/96

- sign 1333.045+/-0.168 χ^2/NDF: 168802.4/49


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 624.239+/-301.489 χ²/NDF: 22.4/21
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: 560.261+/-303.994 χ²/NDF: 18.2/26
Left In: 44.766+/-152.332 χ²/NDF:27.6/22
+ sign 437.464+/-130.351 χ²/NDF: 64.7/46
All: 299.178+/-94.169 χ²/NDF: 115.2/96
- sign 148.228+/-136.190 χ²/NDF: 48.1/49



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

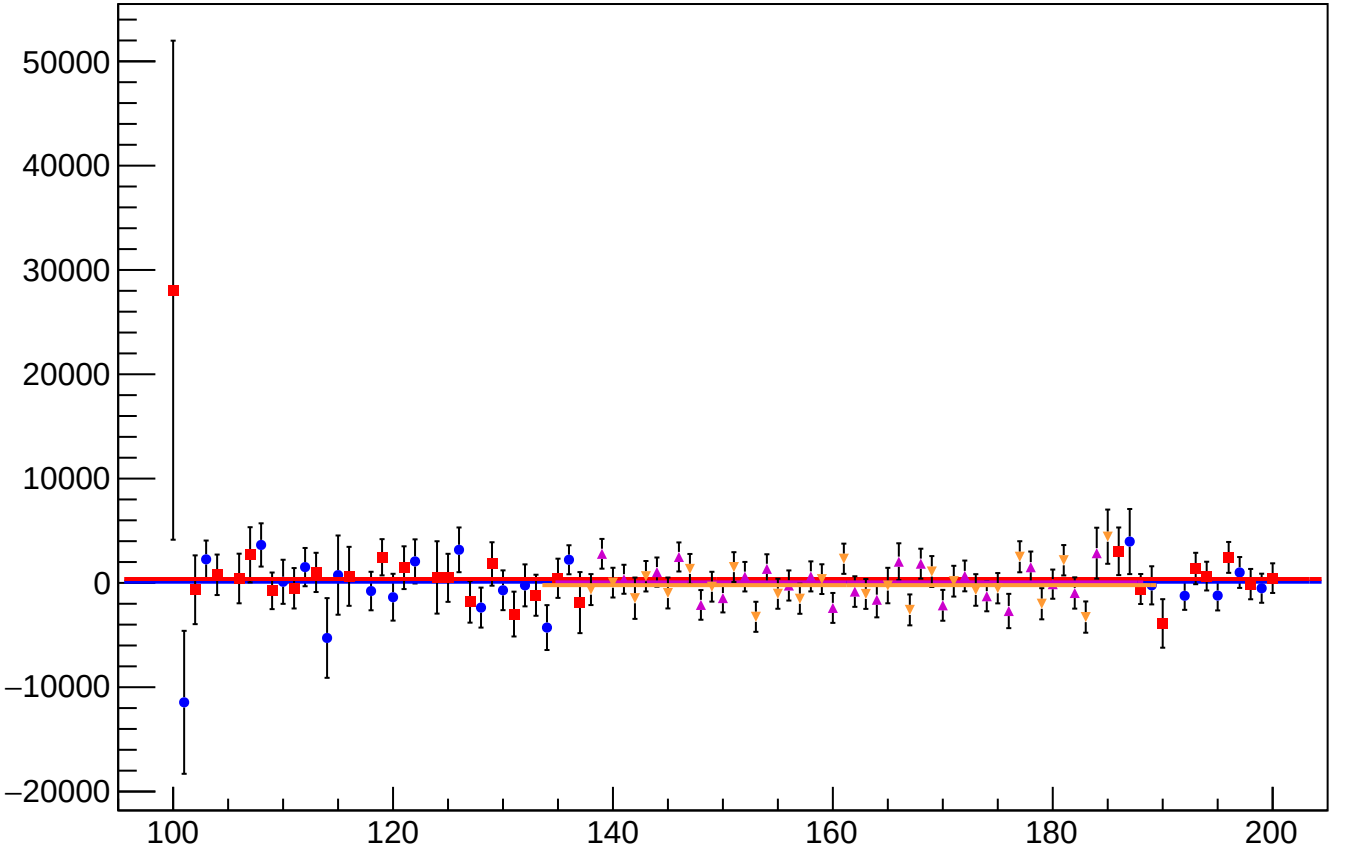
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 687.965+/-0.092 χ^2/NDF: 5580252.3/46

All: 706.034+/-0.067 χ^2/NDF: 11652896.3/96

- sign 725.759+/-0.096 χ^2/NDF: 5992259.8/49

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.218+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

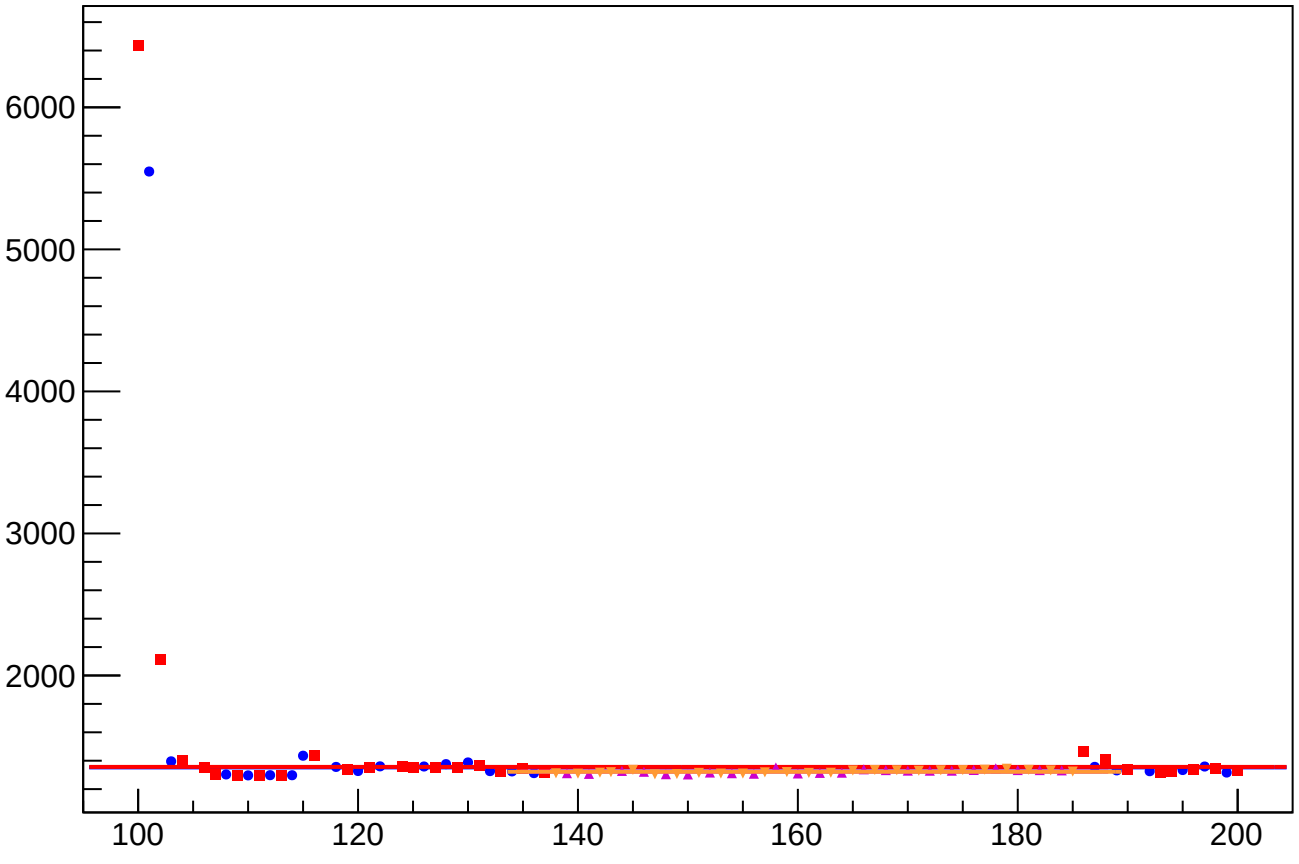
Right Out: 373.852+/-374.518 χ^2/NDF: 17.8/26

Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -98.869+/-241.246 χ^2/NDF: 57.4/46

All: 42.915+/-169.550 χ^2/NDF: 104.1/96

- sign 181.305+/-238.341 χ^2/NDF: 46.1/49



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1356.358+/-0.265 χ^2/NDF: 216499.6/26

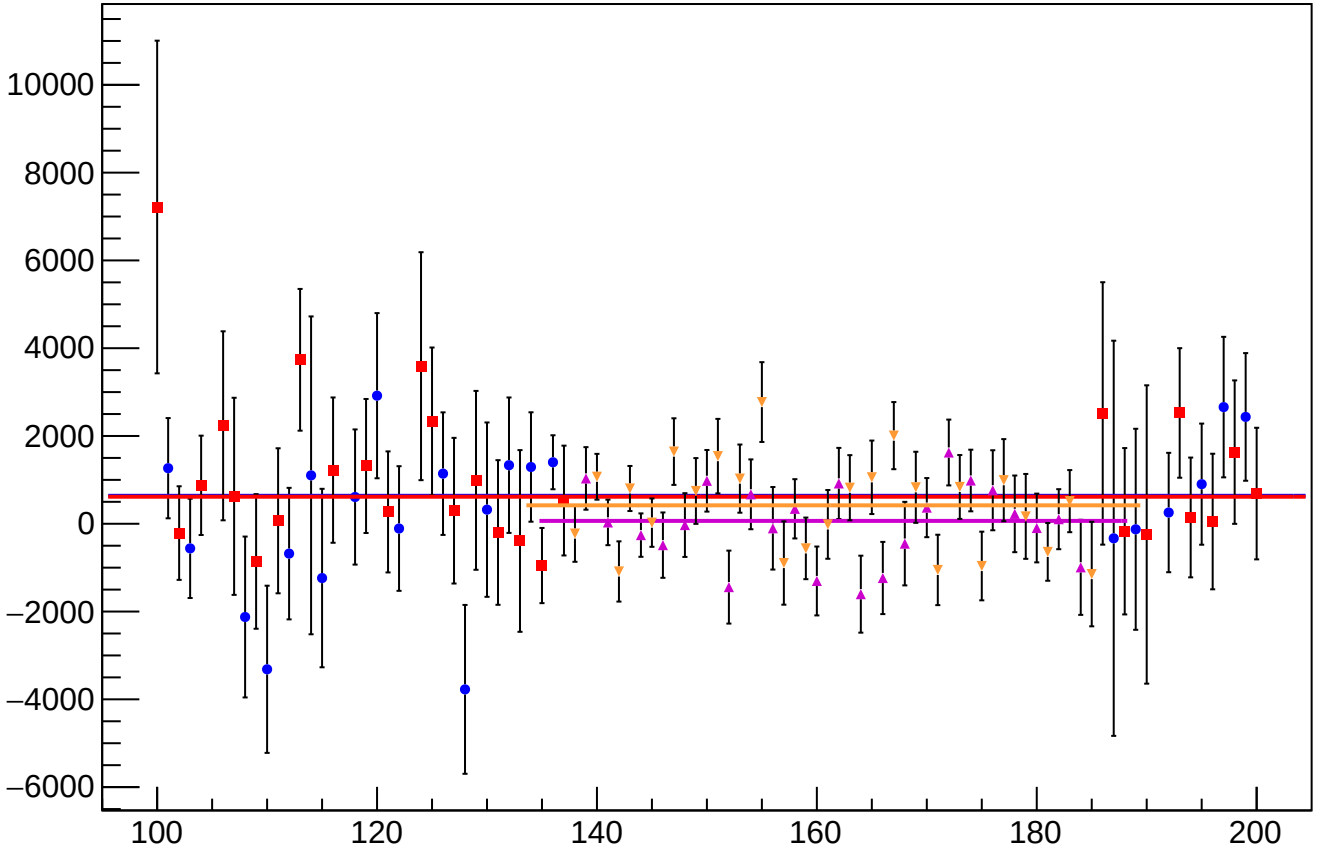
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.216+/-0.171 χ^2/NDF: 773127.4/46

All: 1334.985+/-0.120 χ^2/NDF: 1002946.6/96

- sign 1336.711+/-0.169 χ^2/NDF: 229606.8/49

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 636.647+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 616.352+/-300.696 χ^2/NDF: 18.6/26

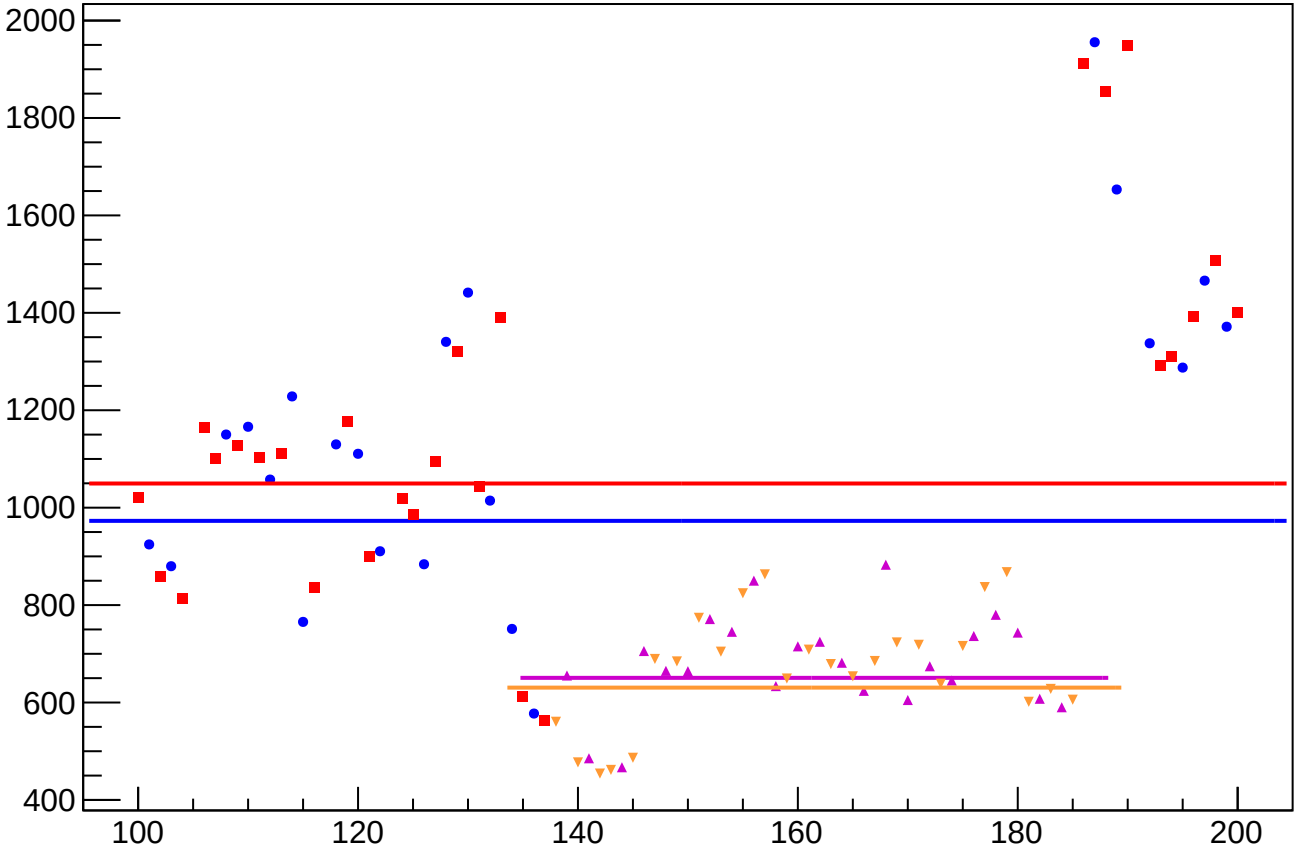
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 461.265+/-131.723 χ^2/NDF: 64.2/46

All: 326.459+/-95.029 χ^2/NDF: 114.7/96

\- sign 180.151+/-137.228 χ^2/NDF: 48.3/49

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 972.923+/-0.213 χ^2/NDF: 2073134.7/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1049.617+/-0.213 χ^2/NDF: 2318508.3/26

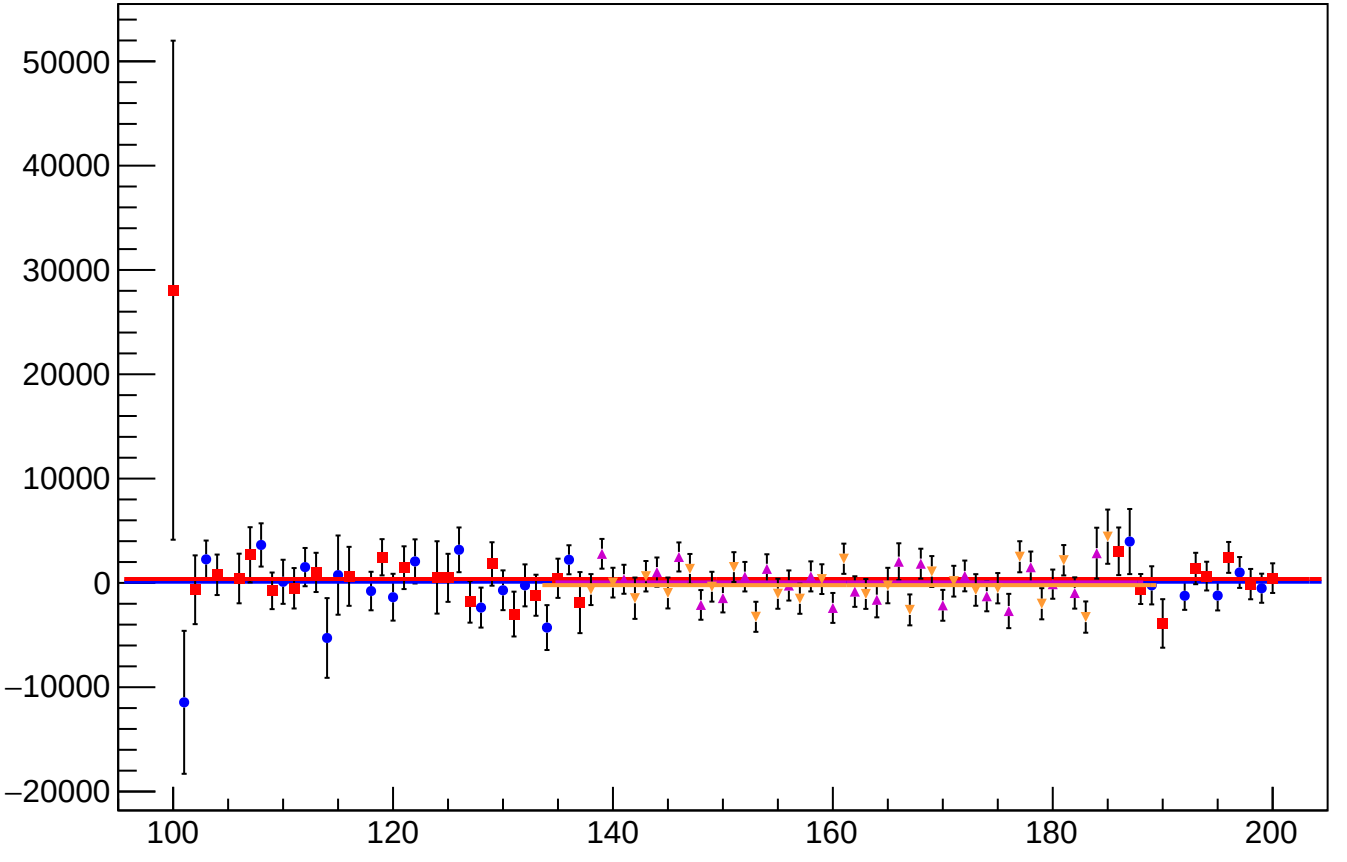
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 695.925+/-0.093 χ^2/NDF: 5487747.5/46

All: 714.056+/-0.067 χ^2/NDF: 11595102.2/96

- sign 733.733+/-0.097 χ^2/NDF: 6028344.8/49

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.217+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 373.851+/-374.518 χ^2/NDF: 17.8/26

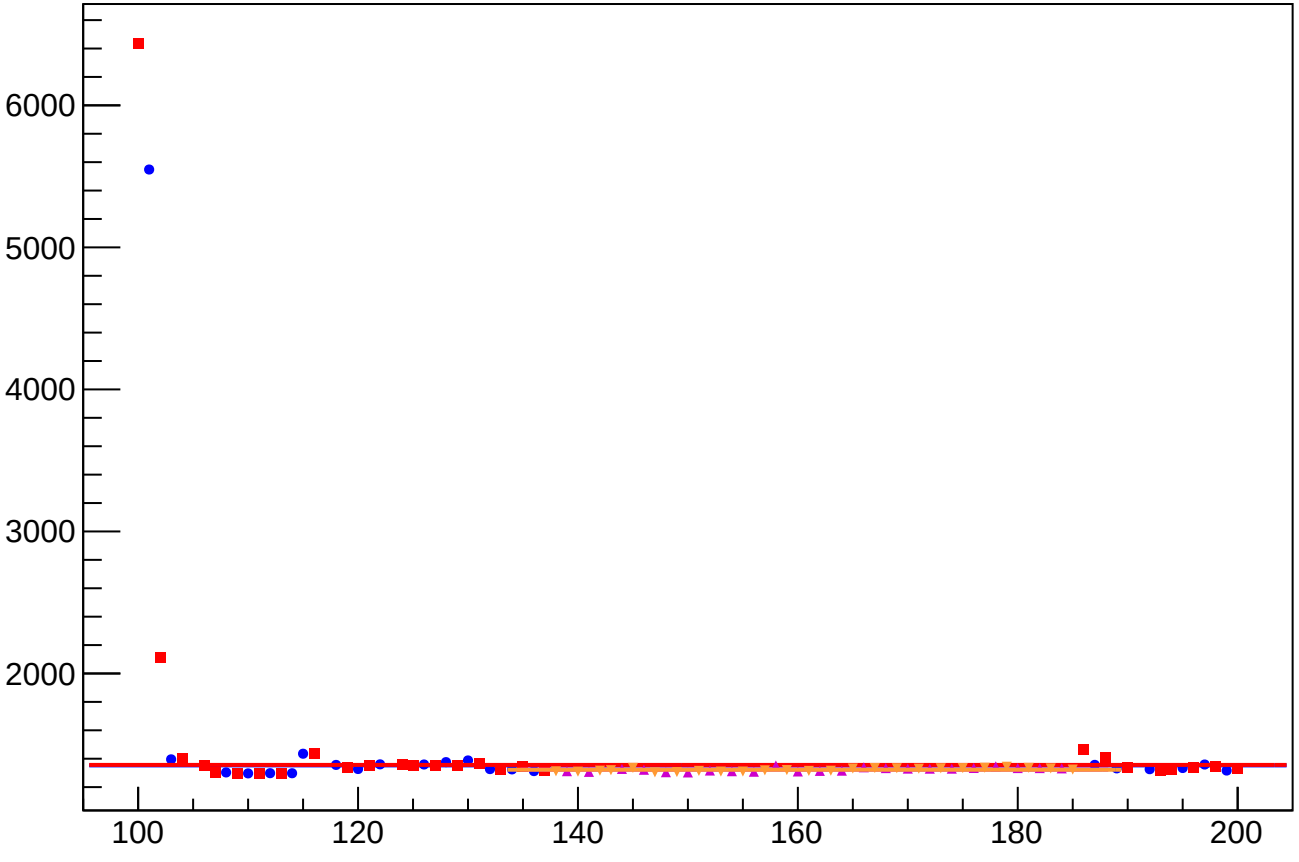
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -98.871+/-241.246 χ^2/NDF: 57.4/46

All: 42.914+/-169.550 χ^2/NDF: 104.1/96

- sign 181.304+/-238.341 χ^2/NDF: 46.1/49

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

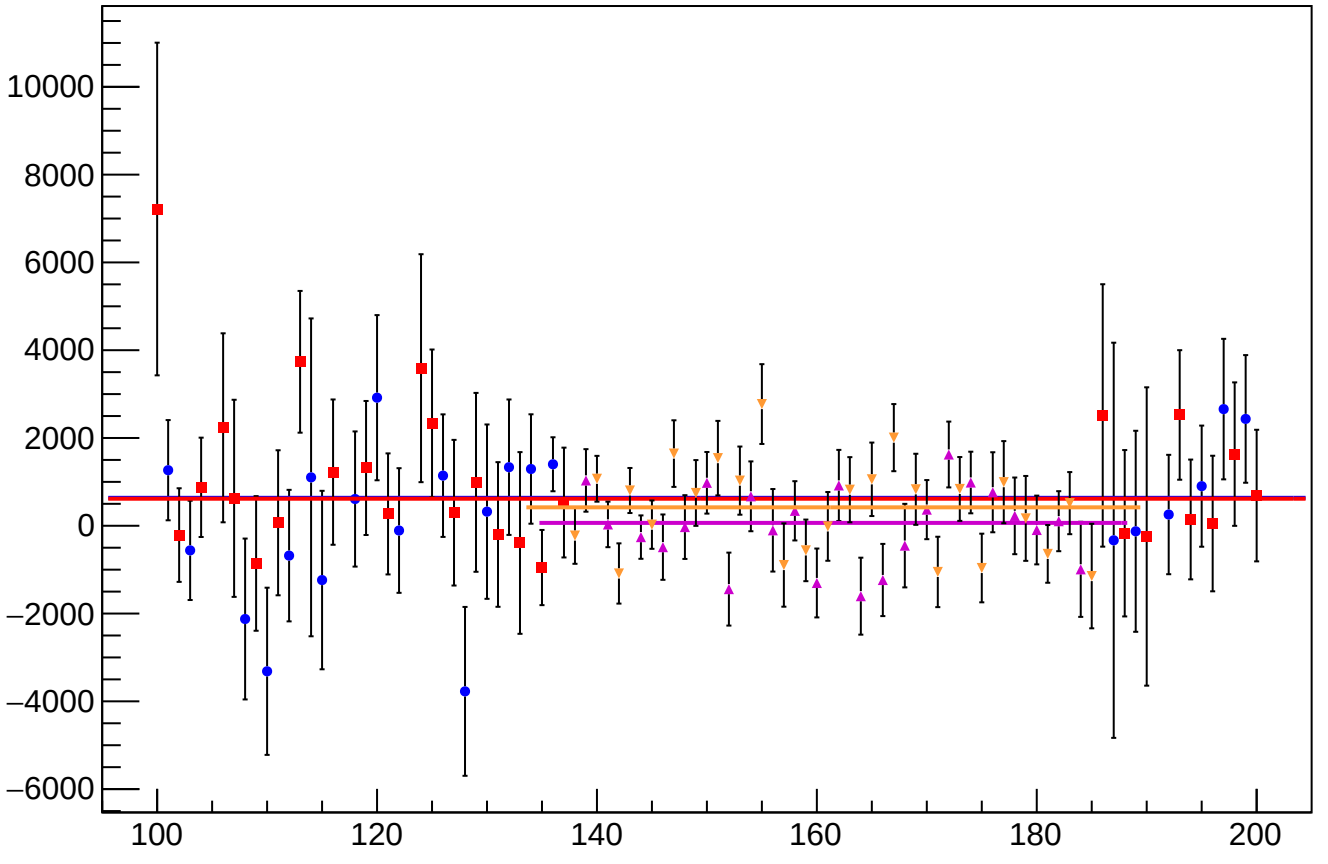
Right Out: 1356.358+/-0.265 χ^2/NDF: 216499.5/26

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.216+/-0.171 χ^2/NDF: 773127.4/46

All: 1334.985+/-0.120 χ^2/NDF: 1002946.5/96

- sign 1336.711+/-0.169 χ^2/NDF: 229606.7/49



Right In: 636.644+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 616.352+/-300.695 χ^2/NDF: 18.6/26

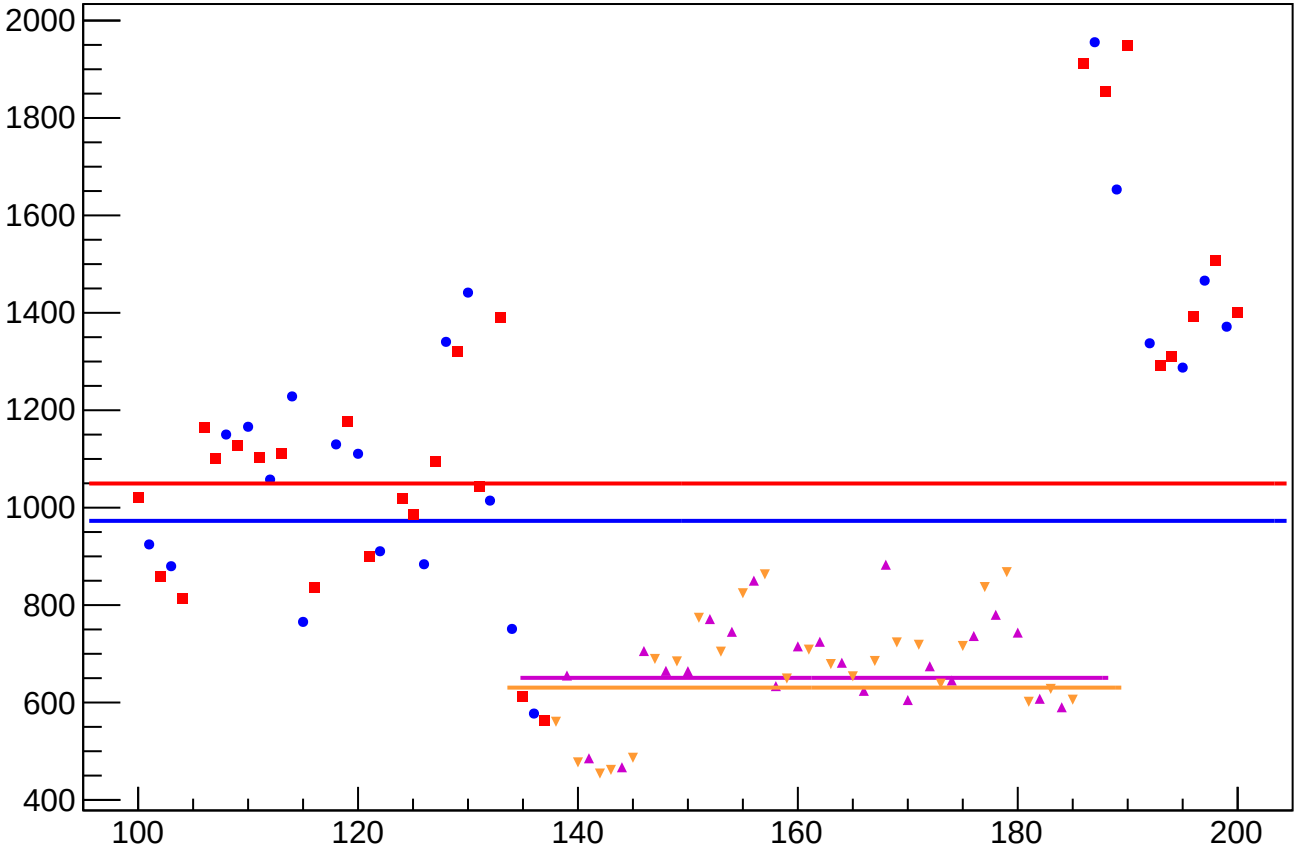
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 461.265+/-131.723 χ^2/NDF: 64.2/46

All: 326.459+/-95.029 χ^2/NDF: 114.7/96

- sign 180.152+/-137.228 χ^2/NDF: 48.3/49

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 972.921+/-0.213 χ^2/NDF: 2073139.9/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1049.615+/-0.213 χ^2/NDF: 2318513.6/26

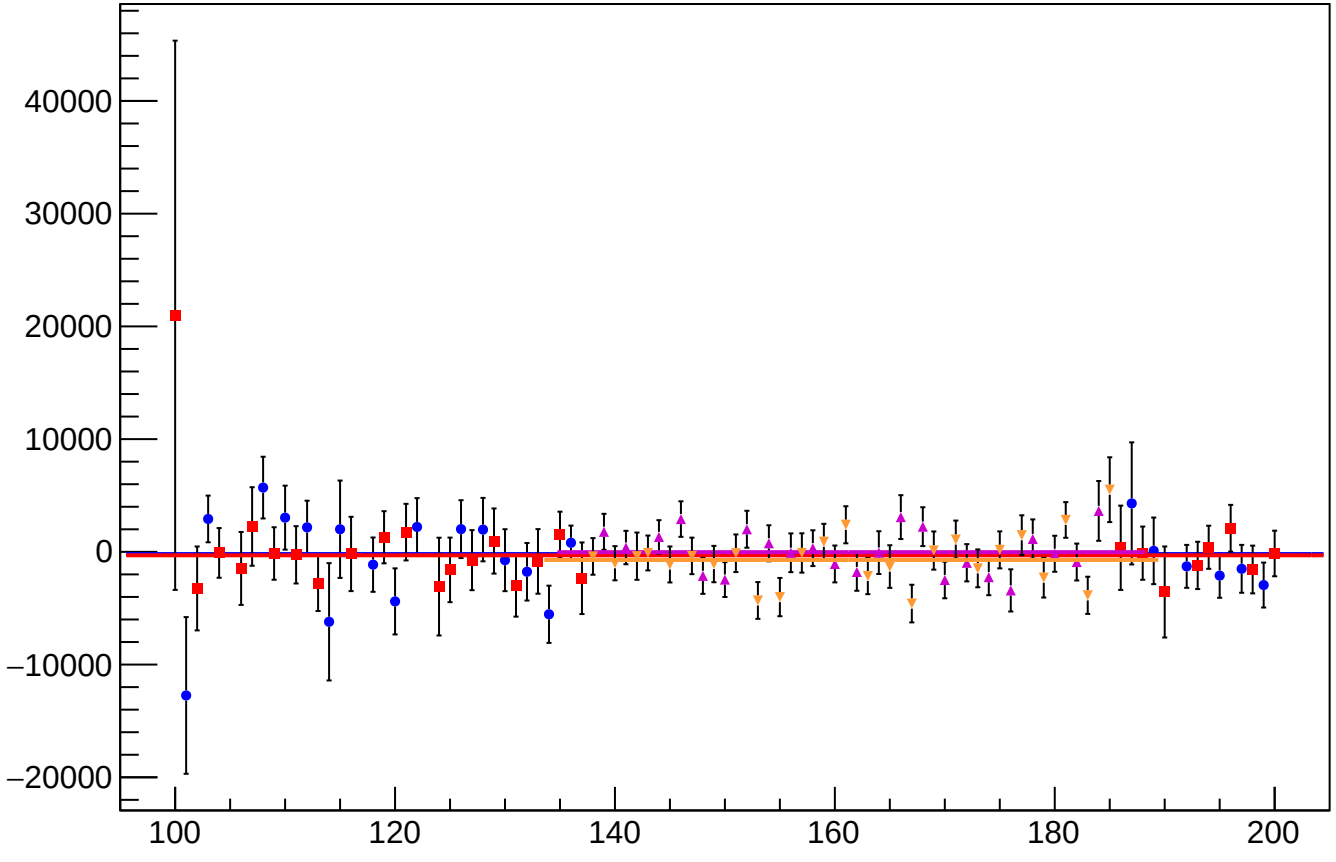
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 695.926+/-0.093 χ^2/NDF: 5487742.8/46

All: 714.056+/-0.067 χ^2/NDF: 11595078.4/96

- sign 733.734+/-0.097 χ^2/NDF: 6028323.4/49

asym_usr_atr1_dd_mean vs Slug



Right In: -196.907+/-532.330 χ^2/NDF: 28.0/21

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -306.456+/-503.810 χ^2/NDF: 10.0/26

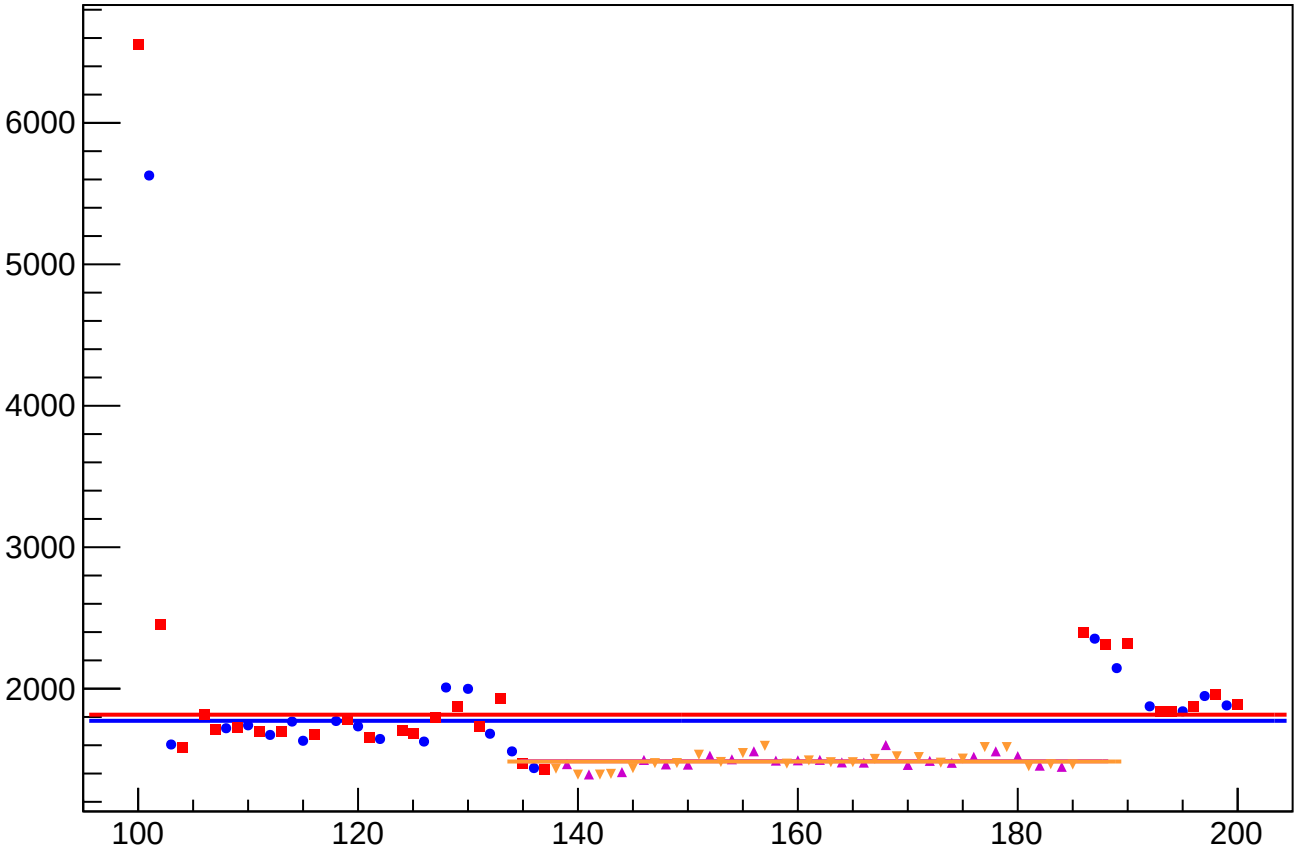
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -568.754+/-285.087 χ^2/NDF: 66.4/46

All: -343.809+/-201.911 χ^2/NDF: 105.9/96

- sign -117.409+/-286.007 χ^2/NDF: 38.2/49

asym_usr_atr1_dd_rms vs Slug



Right In: 1772.819+/-0.376 χ^2/NDF: 870220.7/21

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

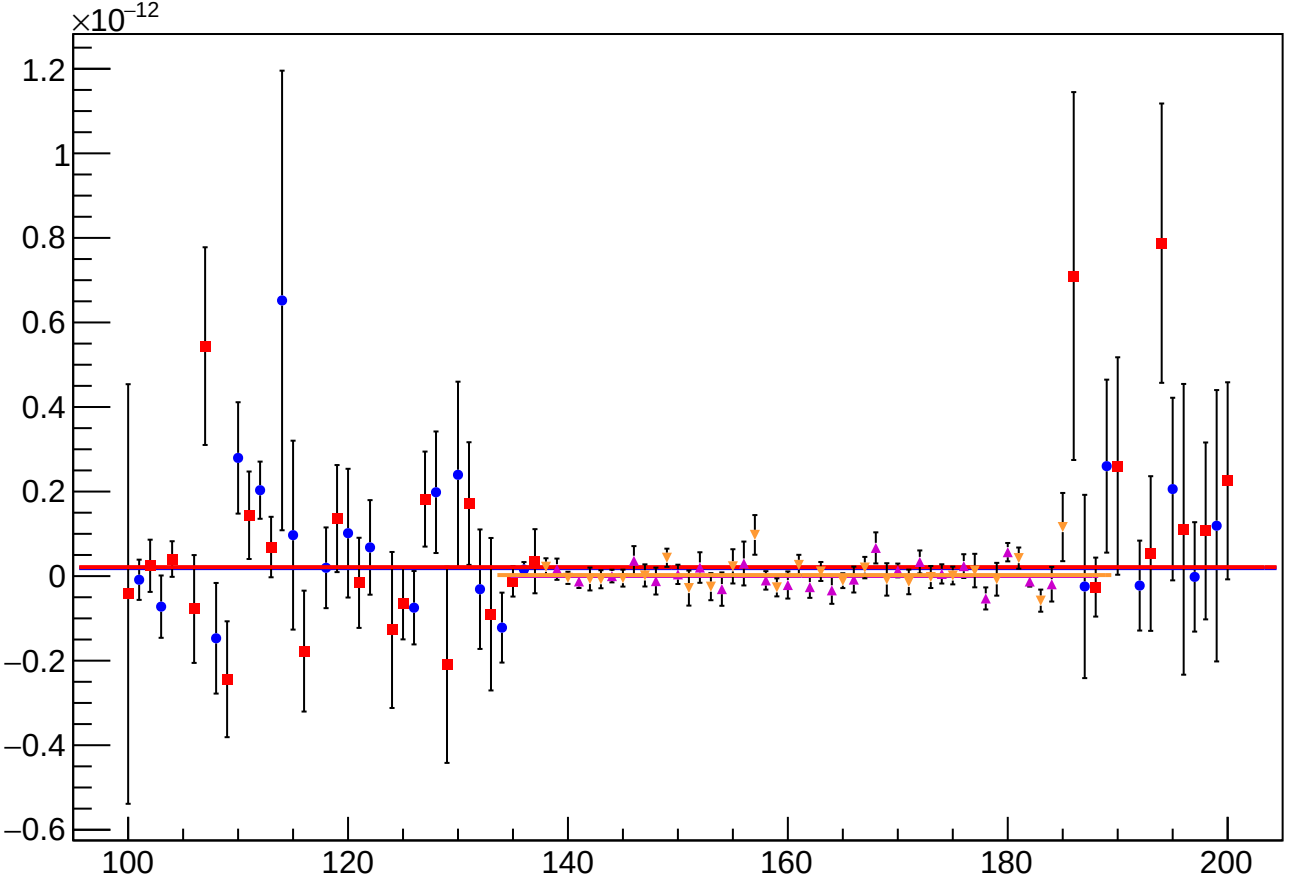
Right Out: 1816.084+/-0.356 χ^2/NDF: 460962.5/26

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1567.521+/-0.202 χ^2/NDF: 1338219.4/46

All: 1580.284+/-0.143 χ^2/NDF: 2419964.8/96

- sign 1593.130+/-0.202 χ^2/NDF: 1073701.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

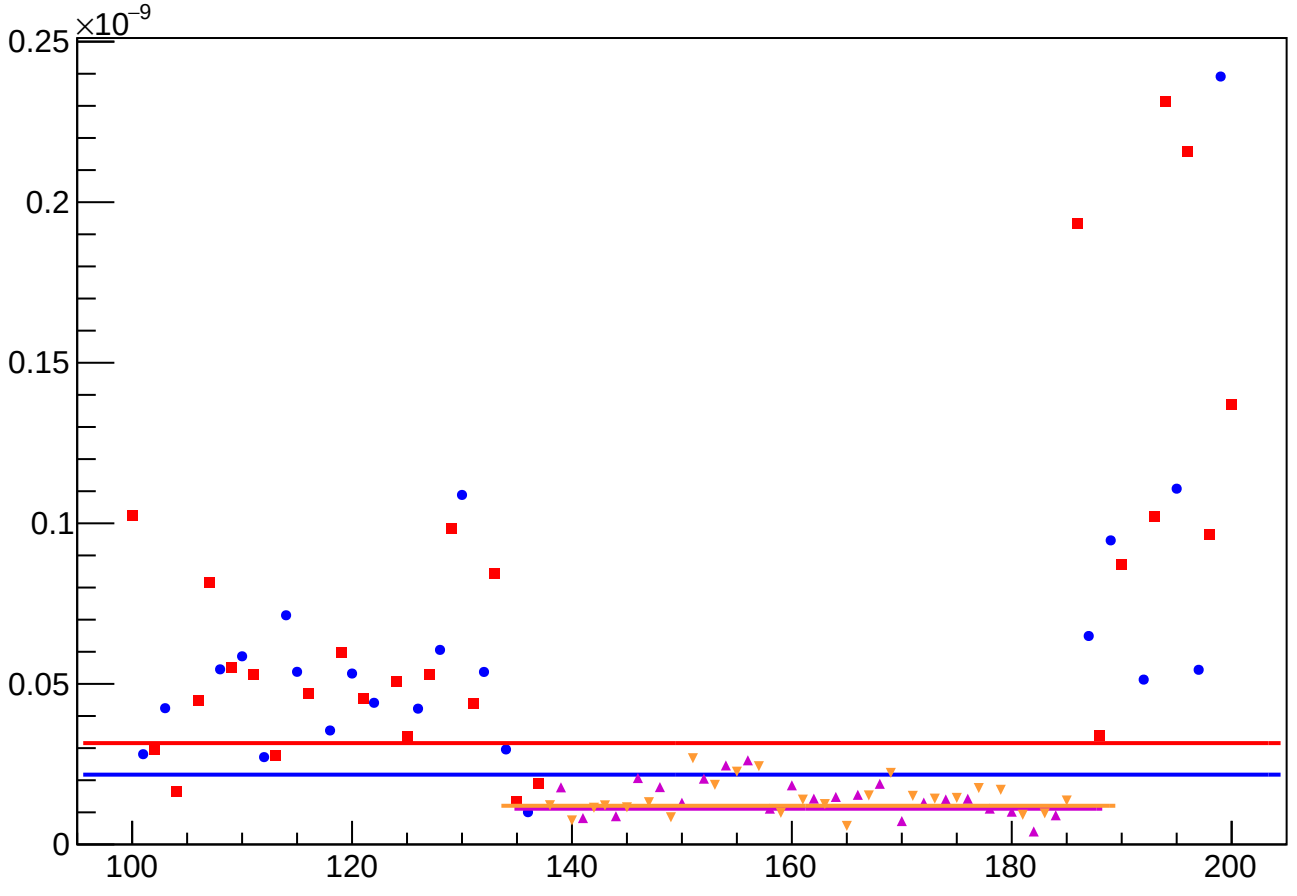
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/26

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/46

All: 0.000+/-0.000 χ^2/NDF: 110.6/96

- sign 0.000+/-0.000 χ^2/NDF: 57.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4200259.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4319229.7/26

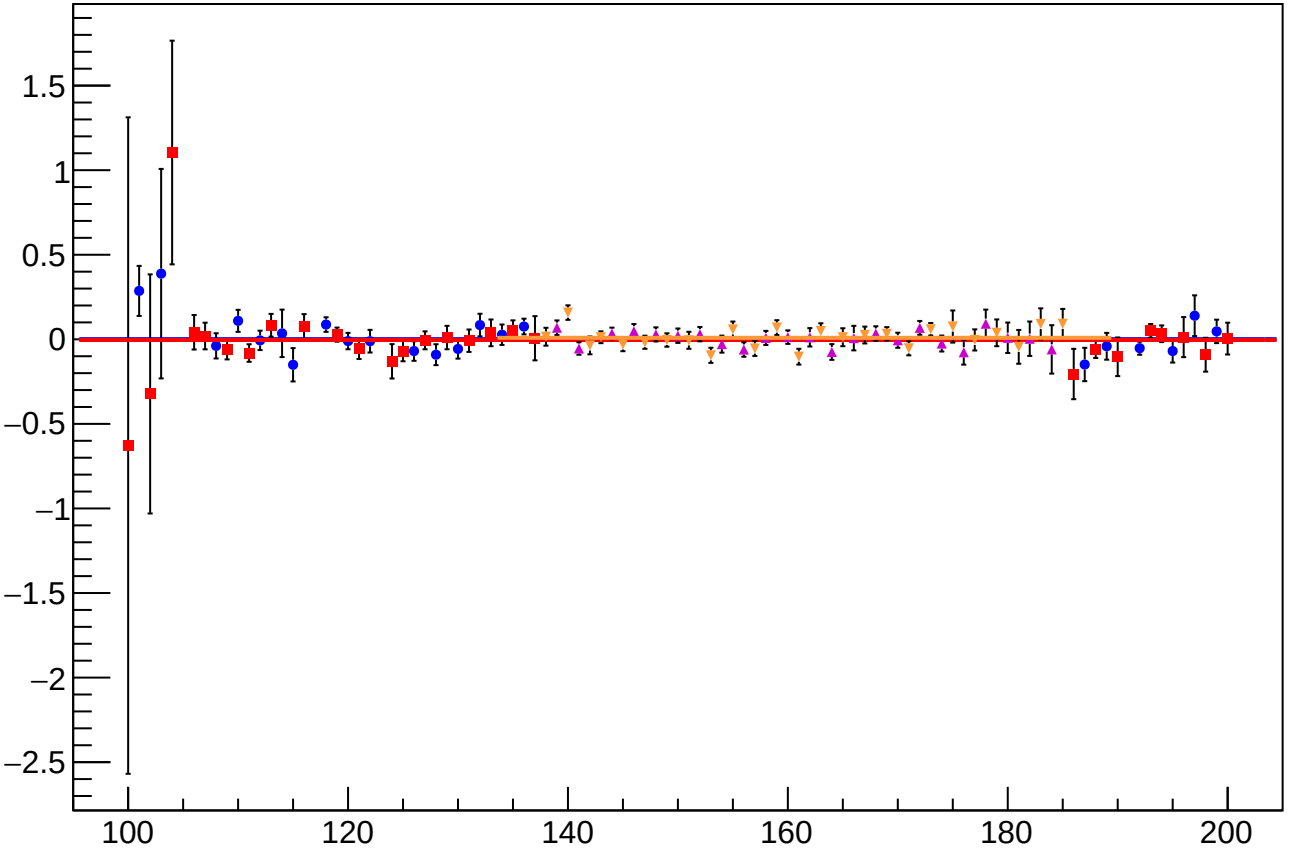
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6566311.3/46

All: 0.000+/-0.000 χ^2/NDF: 15492153.2/96

- sign 0.000+/-0.000 χ^2/NDF: 8907939.0/49

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/26

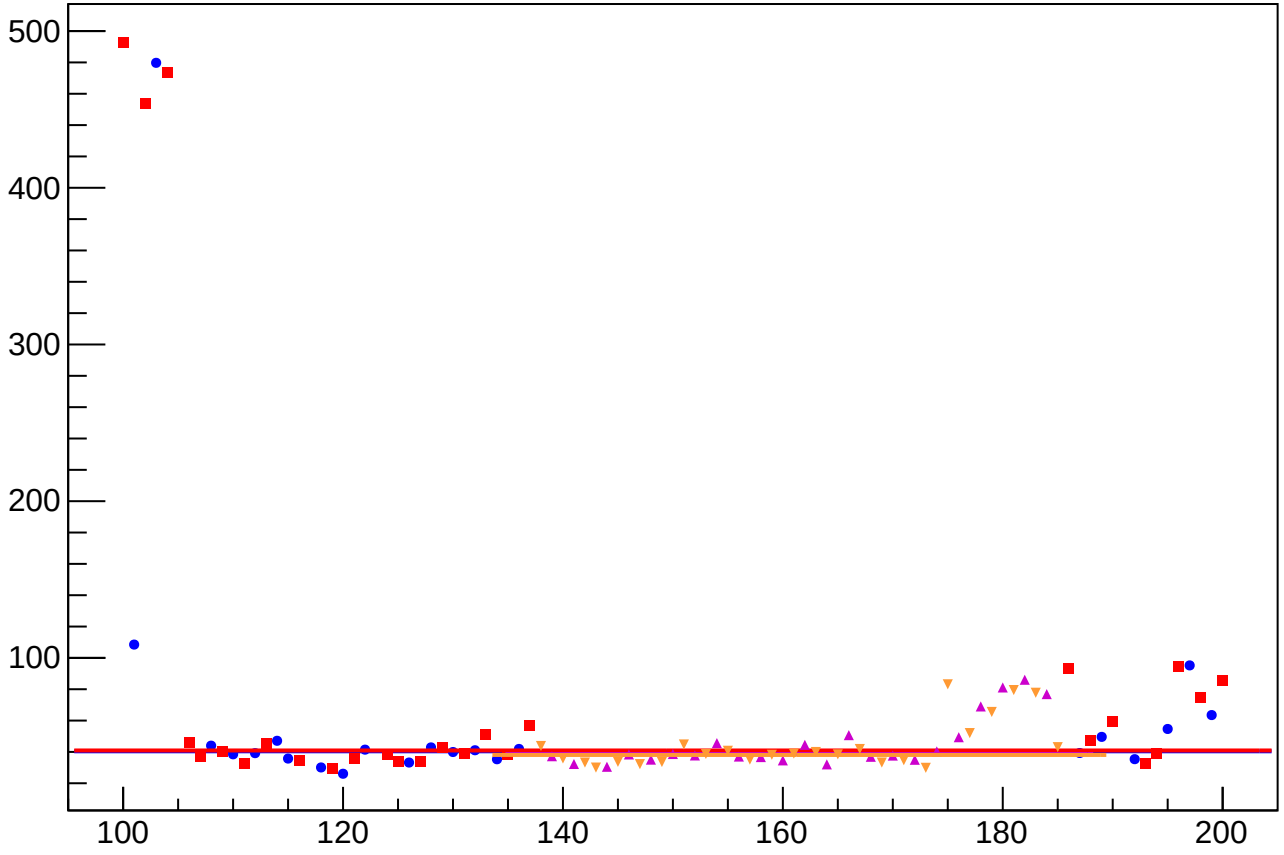
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/96

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

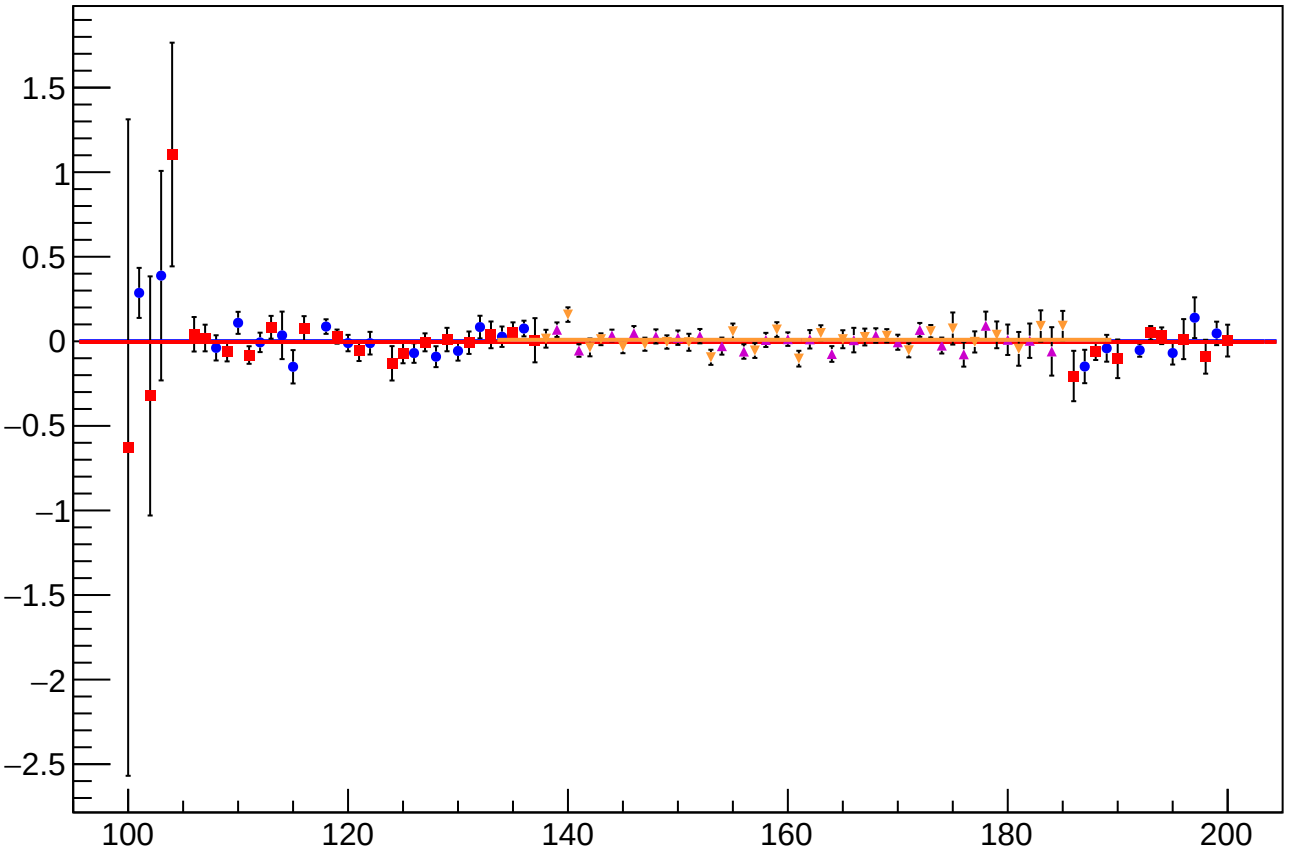
Right Out: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.833+/-0.006 χ^2/NDF: 4576988.9/46

All: 39.138+/-0.004 χ^2/NDF: 9898857.7/96

\- sign 39.452+/-0.006 χ^2/NDF: 5315708.3/49



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/26

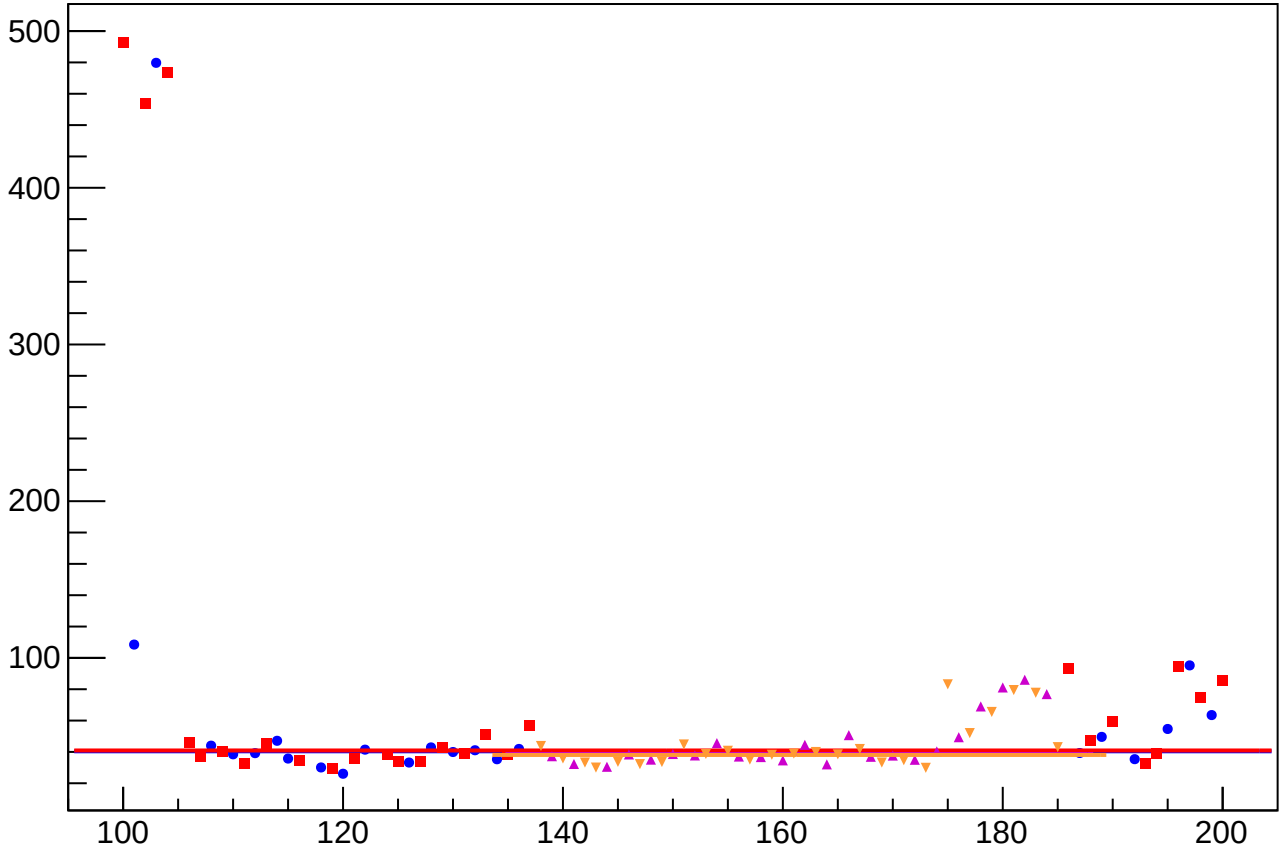
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/96

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

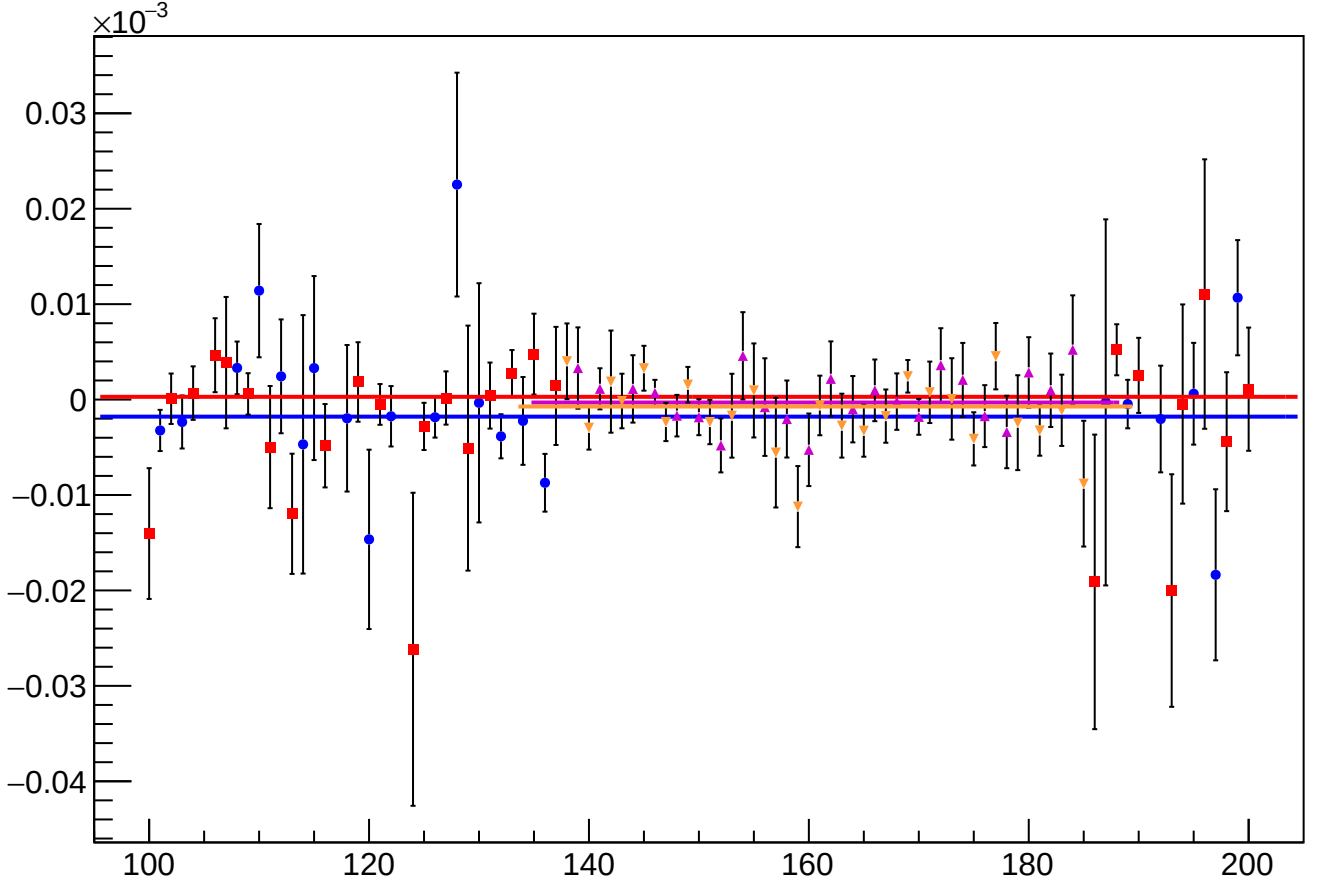
Right Out: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.833+/-0.006 χ^2/NDF: 4576988.9/46

All: 39.138+/-0.004 χ^2/NDF: 9898857.7/96

\- sign 39.452+/-0.006 χ^2/NDF: 5315708.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

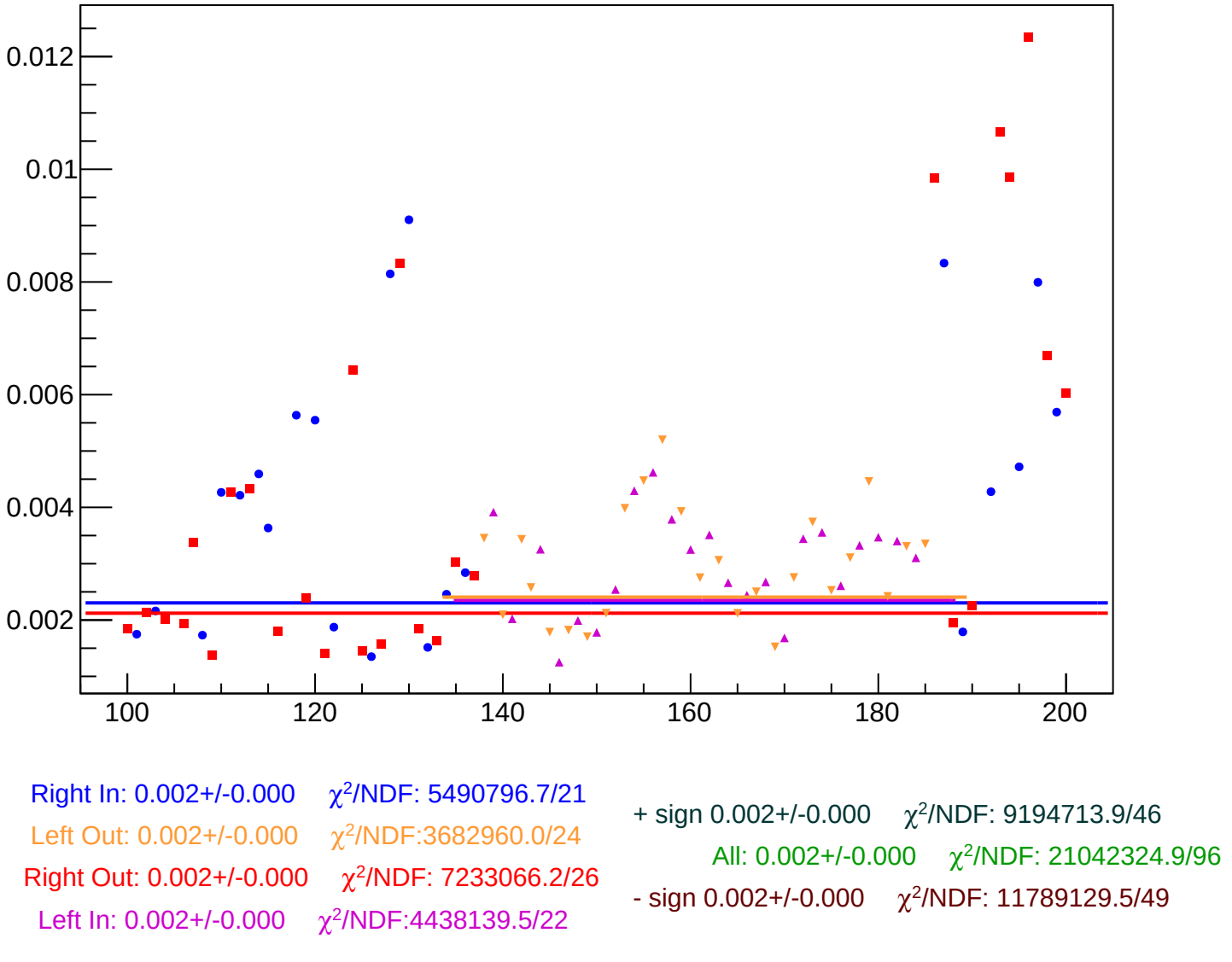
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

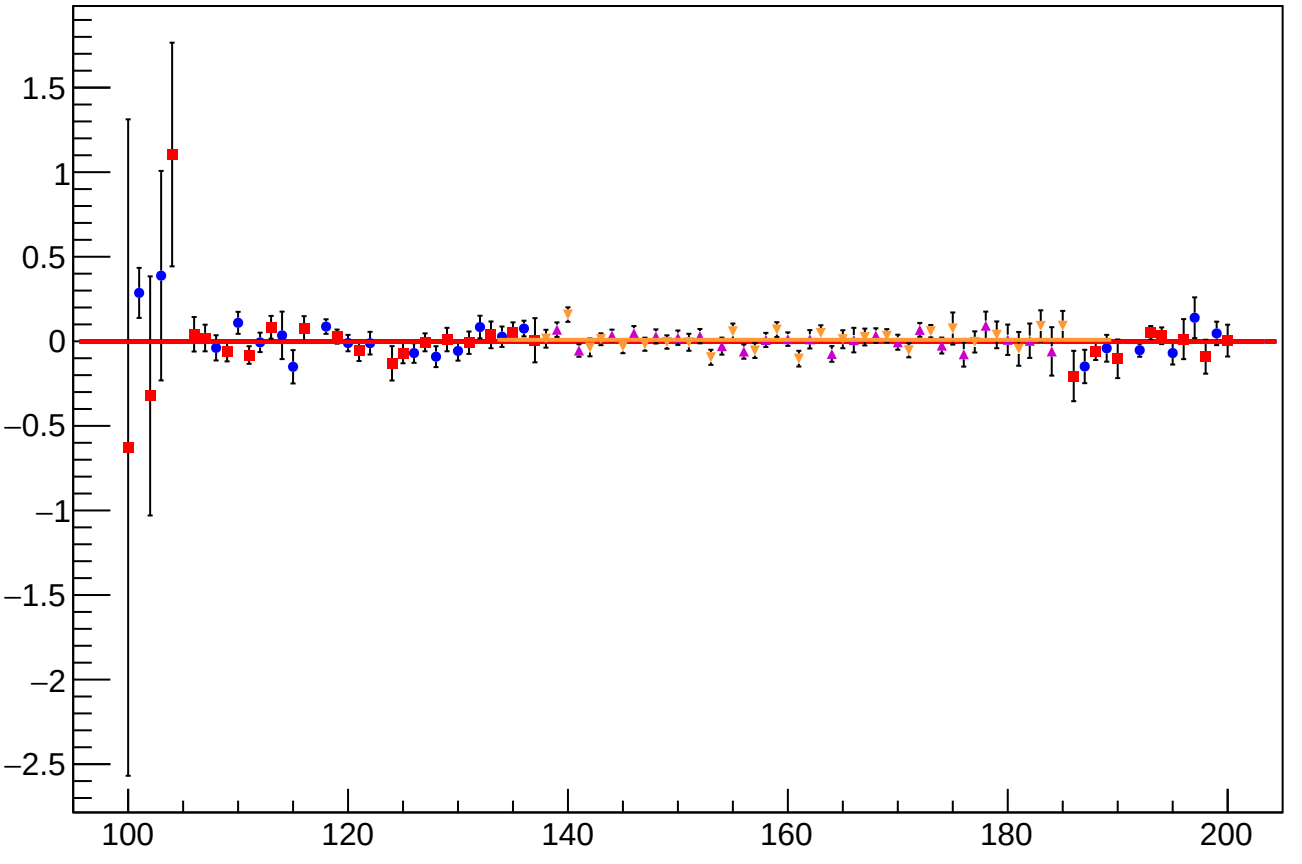
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/46

All: -0.000+/-0.000 χ^2/NDF: 100.6/96

- sign -0.000+/-0.000 χ^2/NDF: 41.9/49


asym_usr_atr1_dd_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
200
Right In: 0.002+/-0.000 χ²/NDF: 5490796.7/21
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 7233066.2/26
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 9194713.9/46
All: 0.002+/-0.000 χ²/NDF: 21042324.9/96
- sign 0.002+/-0.000 χ²/NDF: 11789129.5/49



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/26

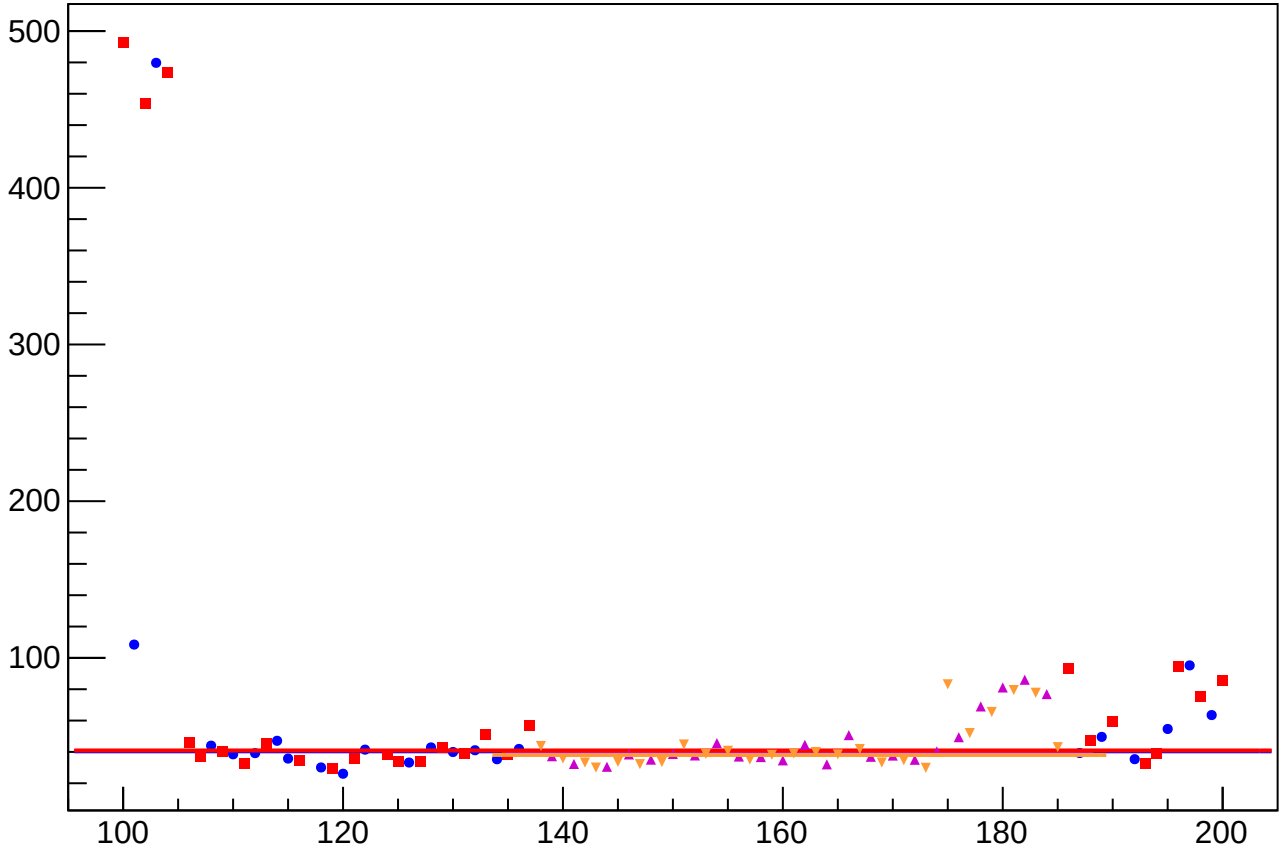
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/96

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

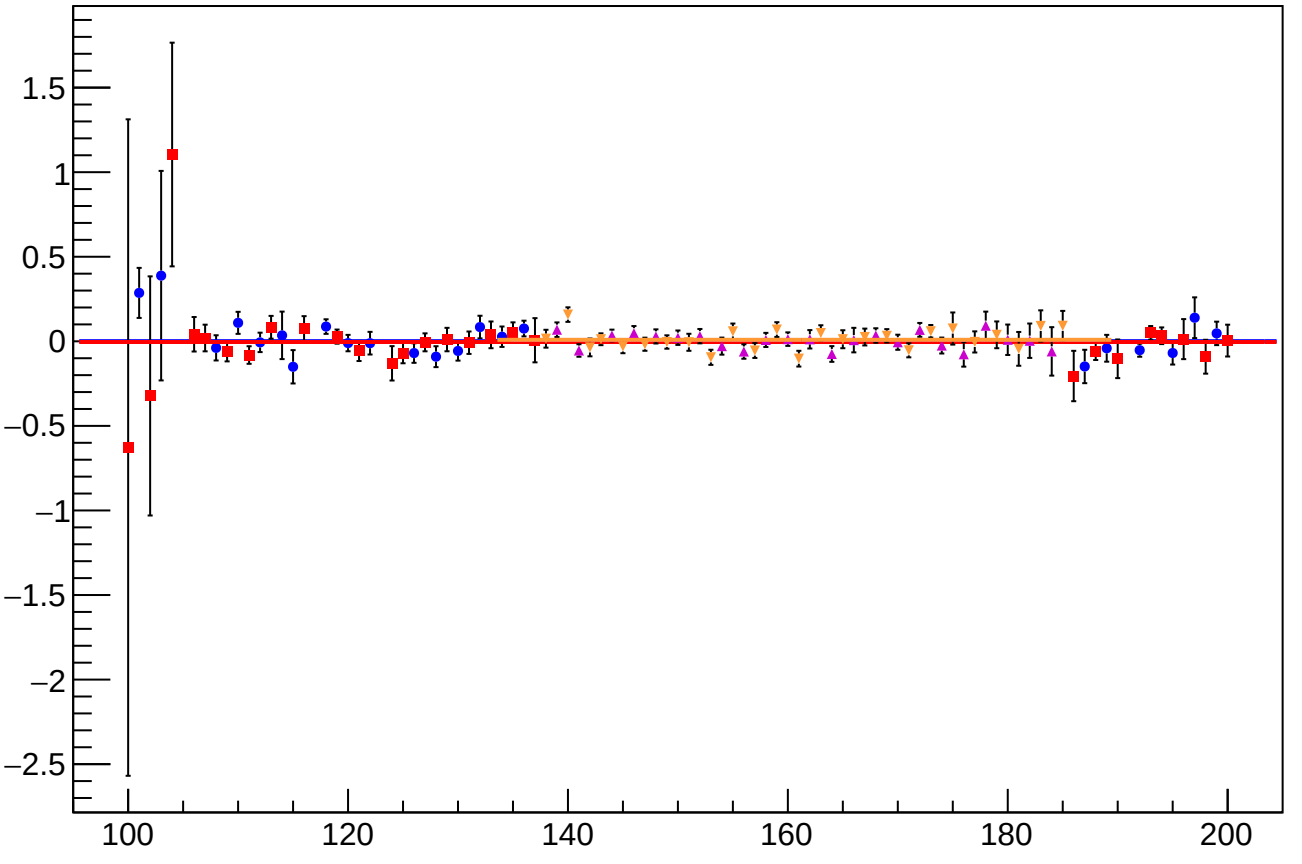
Right Out: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.832+/-0.006 χ^2/NDF: 4577047.7/46

All: 39.137+/-0.004 χ^2/NDF: 9899264.4/96

\- sign 39.450+/-0.006 χ^2/NDF: 5316076.4/49



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

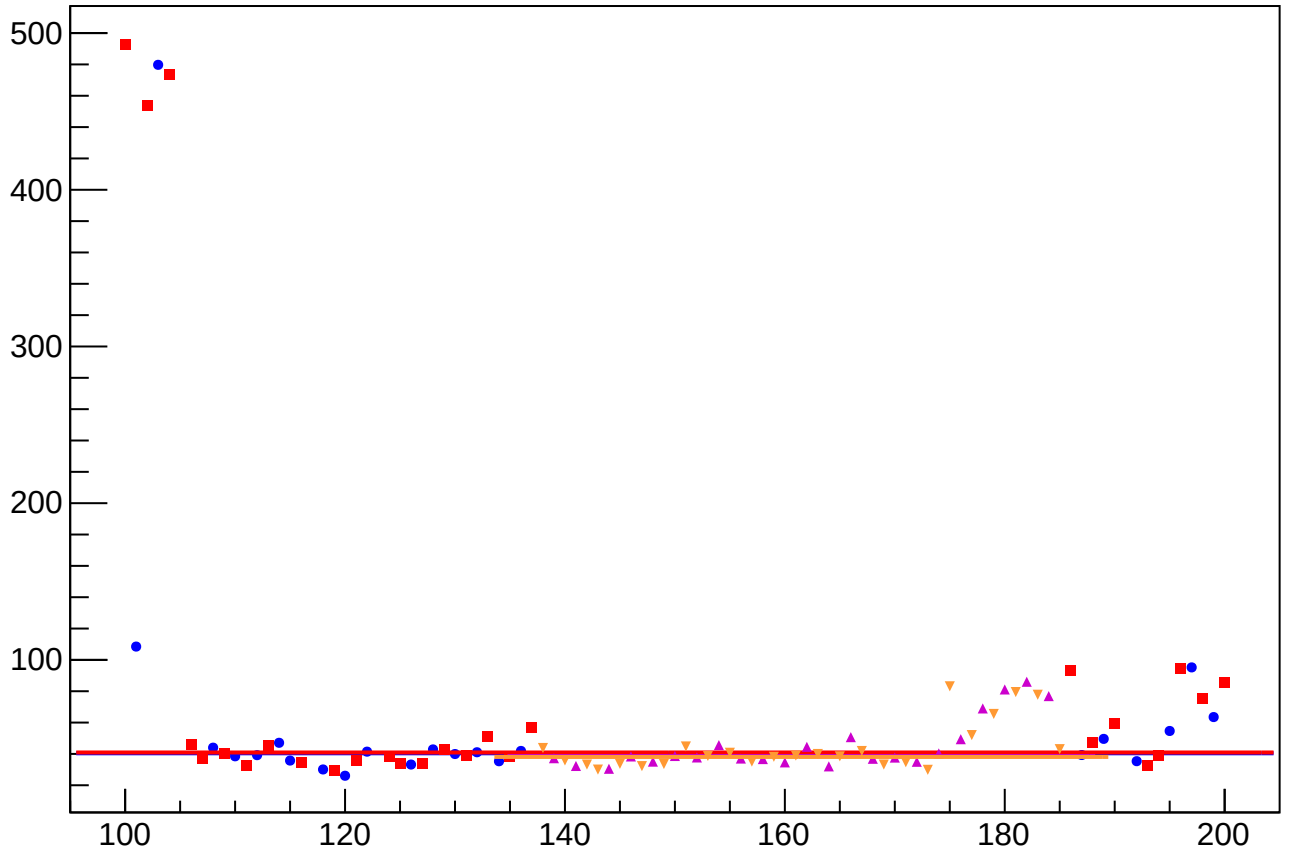
Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/96

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

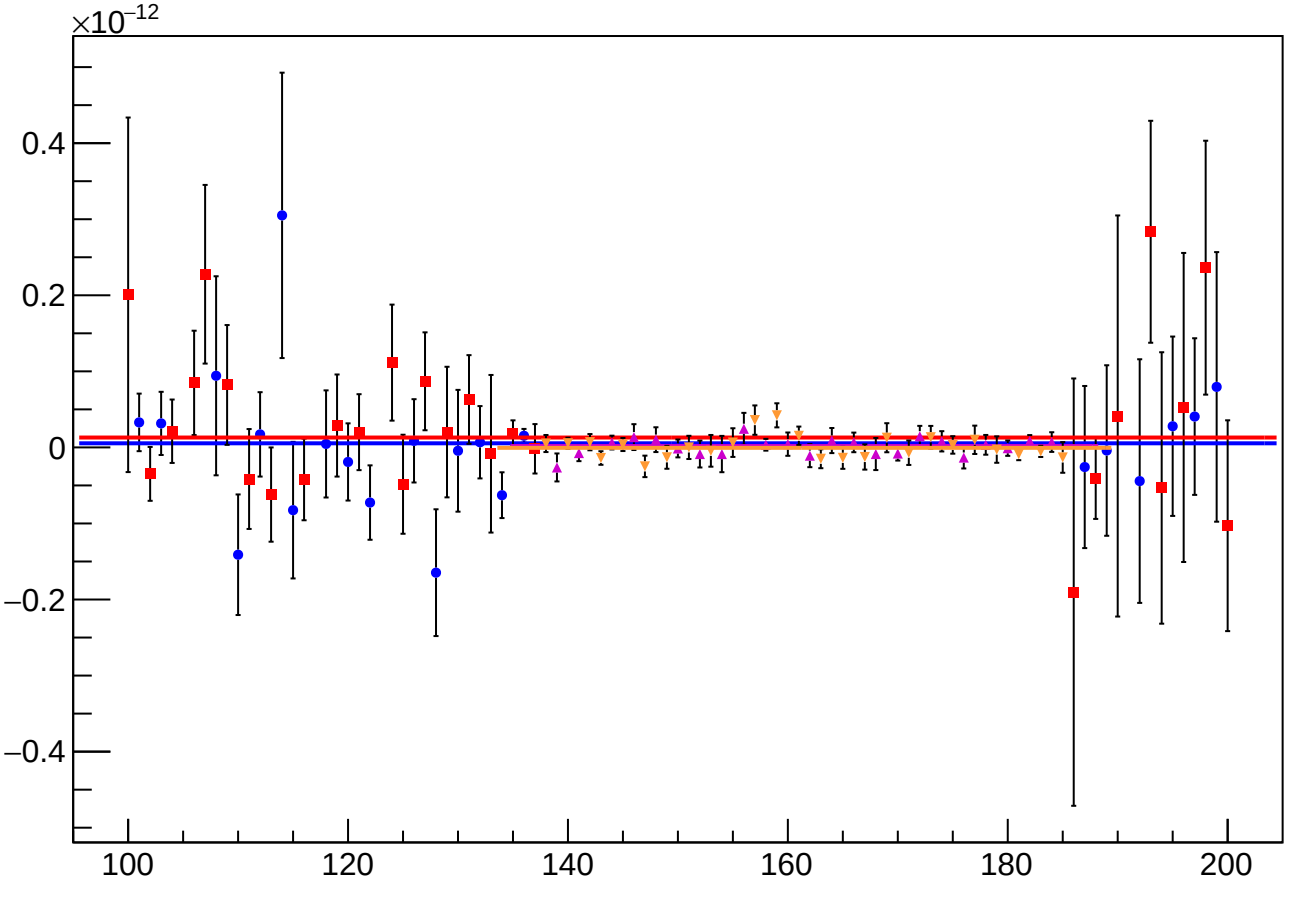
Right Out: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.832+/-0.006 χ^2/NDF: 4577047.7/46

All: 39.137+/-0.004 χ^2/NDF: 9899264.4/96

\- sign 39.450+/-0.006 χ^2/NDF: 5316076.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

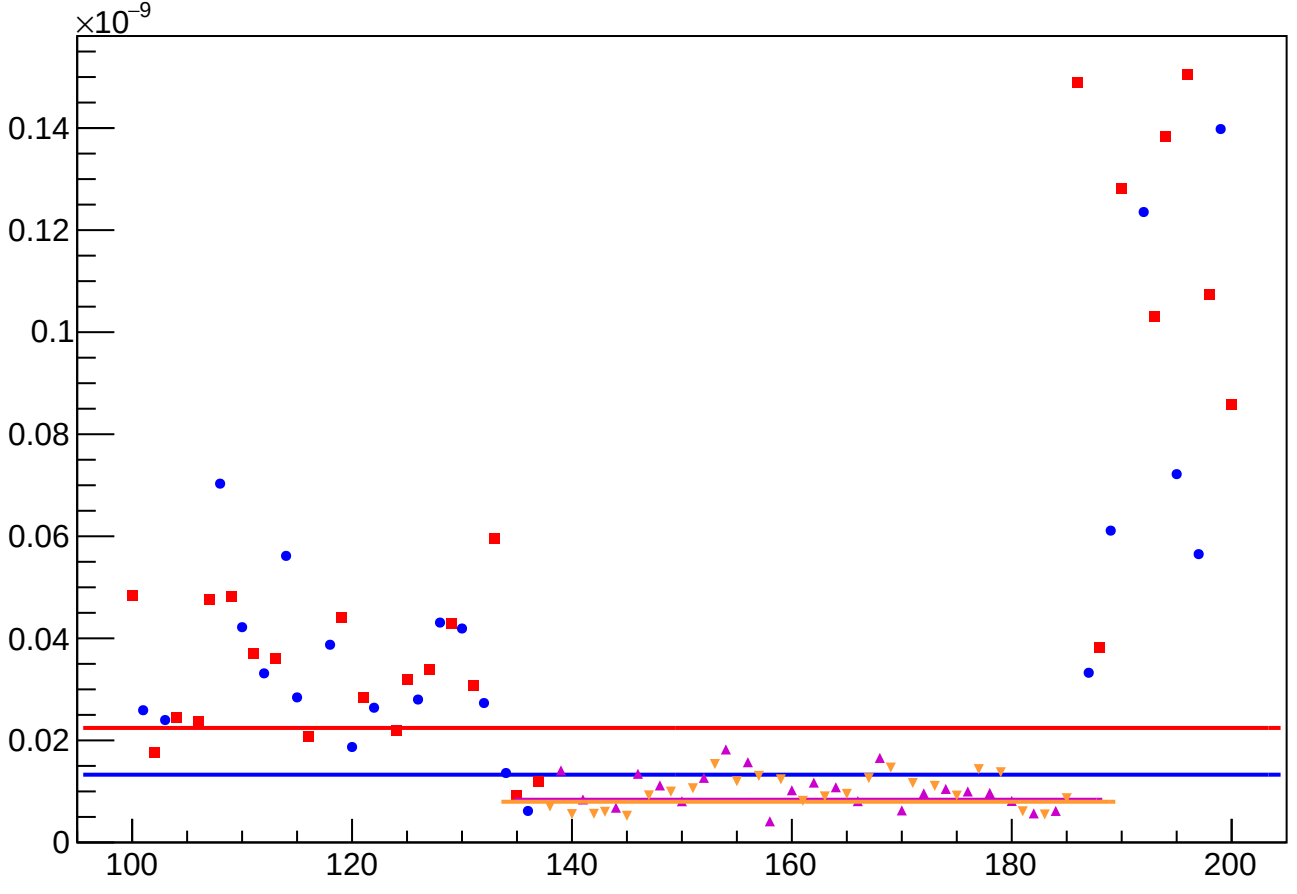
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/26

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.7/46

All: 0.000+/-0.000 χ^2/NDF: 86.6/96

- sign 0.000+/-0.000 χ^2/NDF: 36.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 7178802.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6851986.6/26

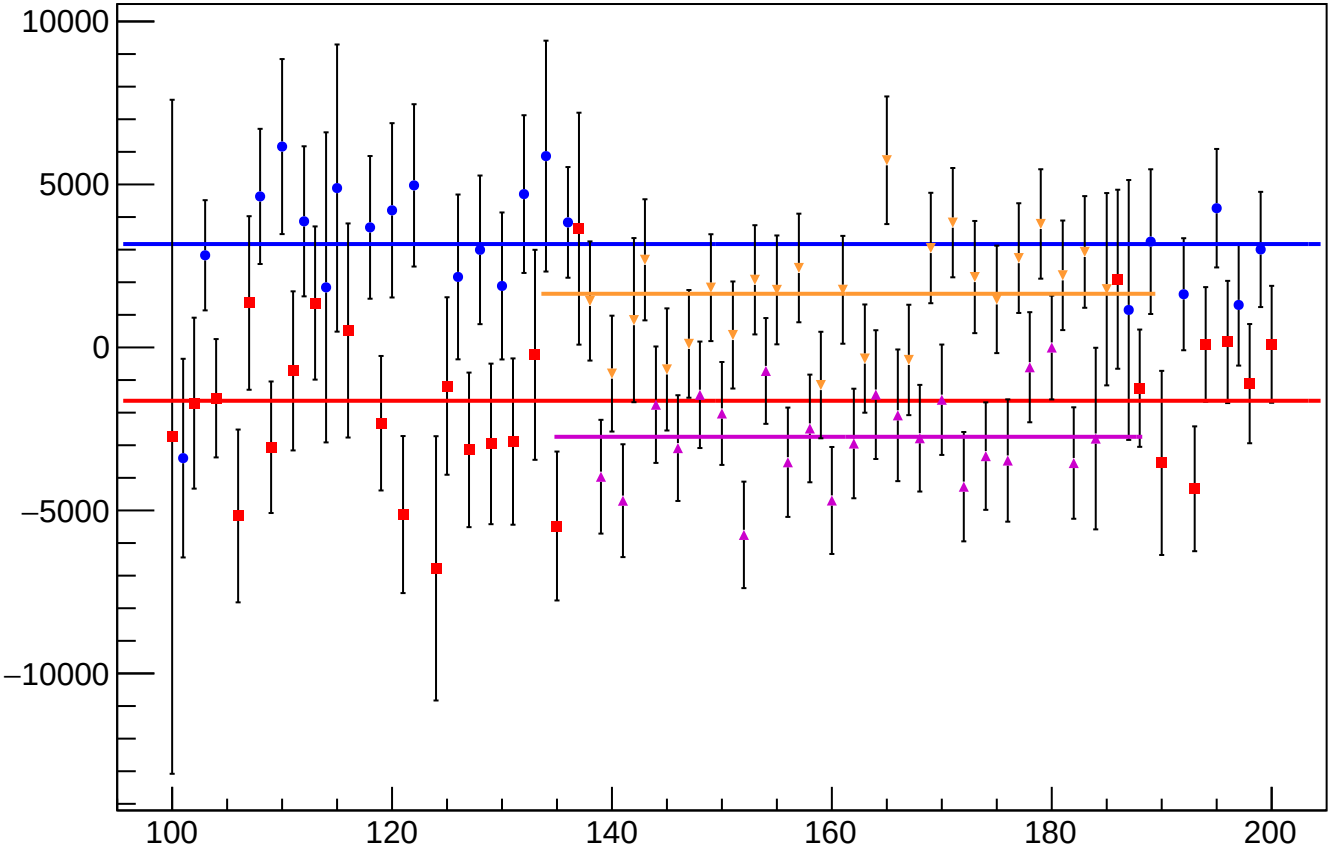
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10922410.3/46

All: 0.000+/-0.000 χ^2/NDF: 24204039.5/96

- sign 0.000+/-0.000 χ^2/NDF: 13187675.3/49

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.583+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1635.764+/-449.267 χ^2/NDF: 23.0/26

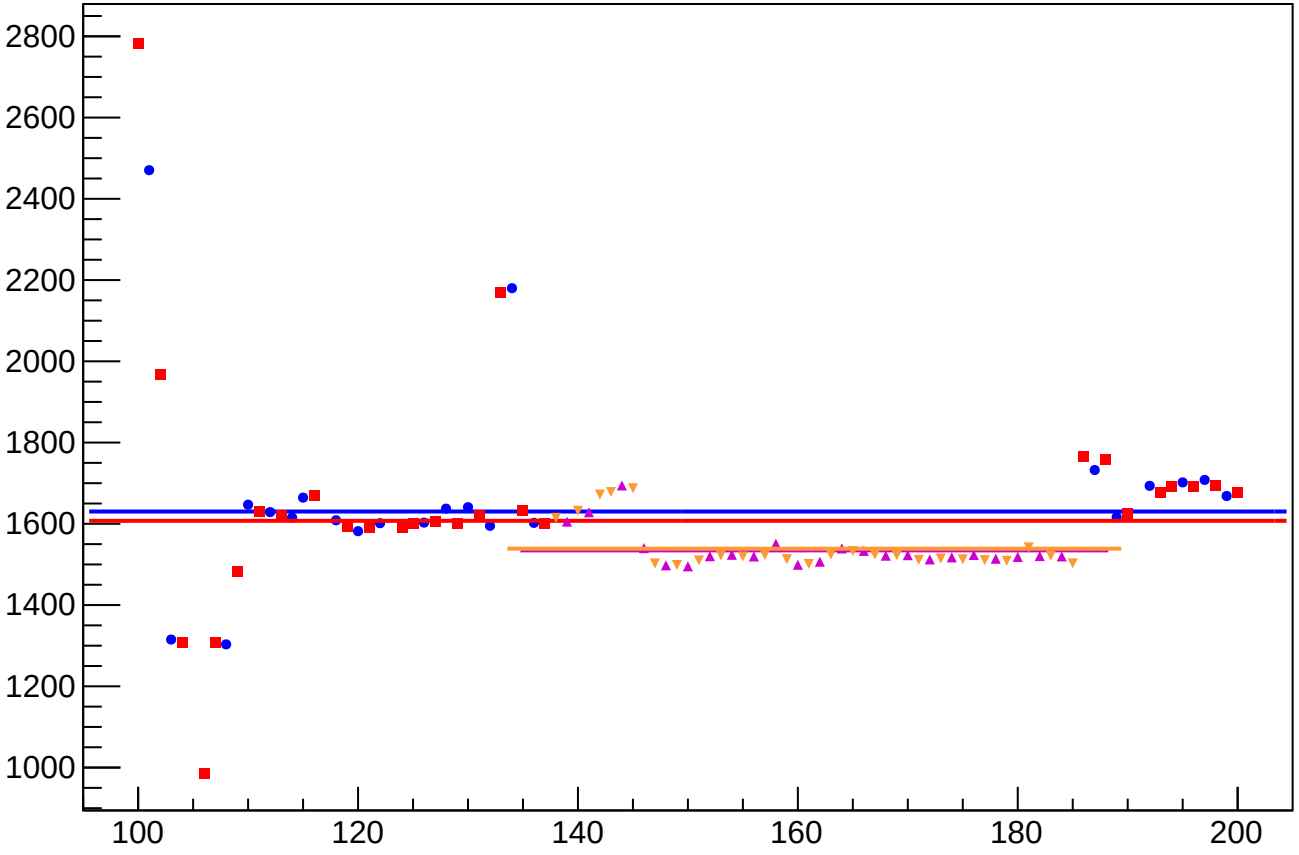
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.800+/-283.320 χ^2/NDF: 39.1/46

All: -94.940+/-199.225 χ^2/NDF: 208.8/96

- sign -2311.042+/-280.199 χ^2/NDF: 43.2/49

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333831.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1607.368+/-0.315 χ^2/NDF: 439069.5/26

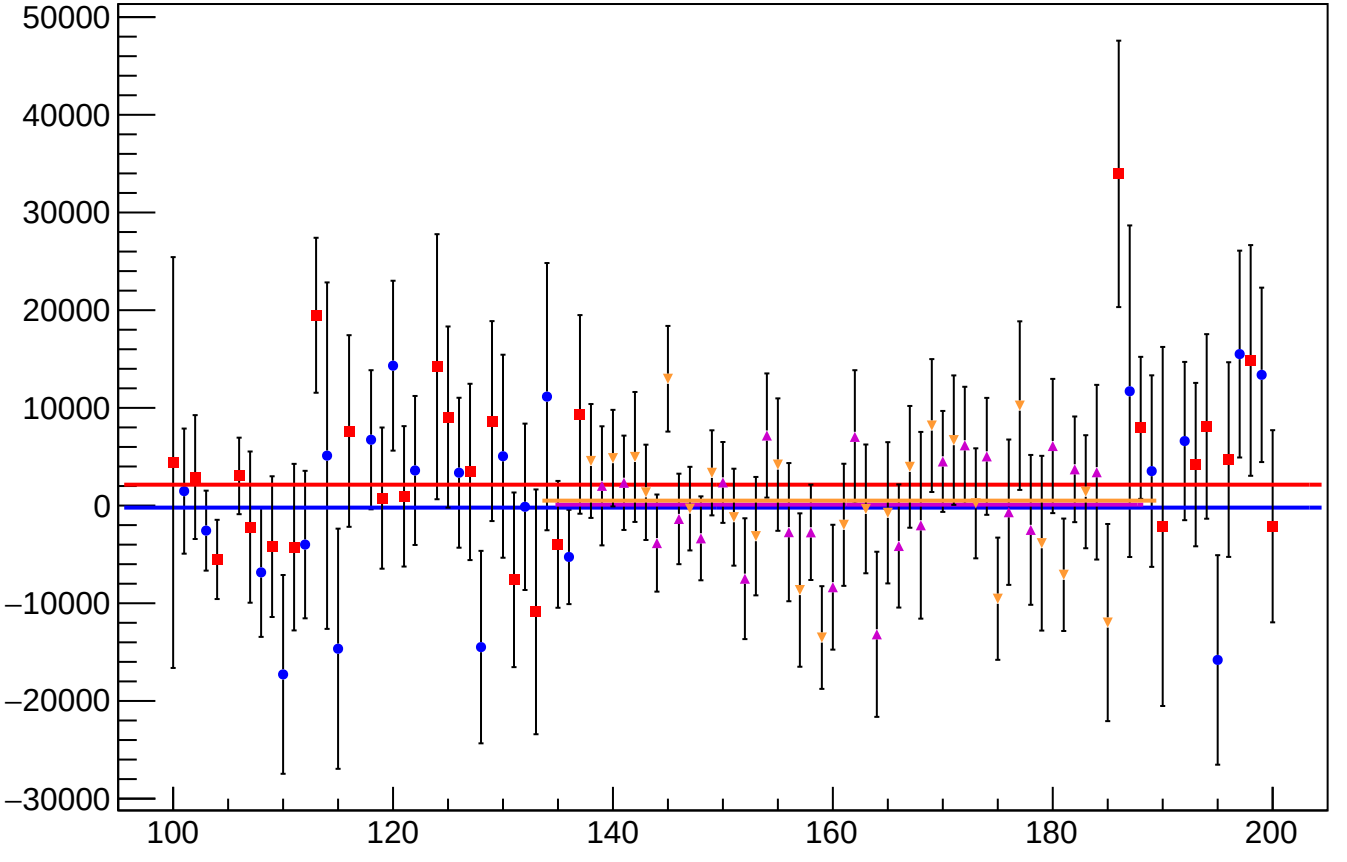
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427942.3/46

All: 1566.710+/-0.141 χ^2/NDF: 931189.1/96

- sign 1563.257+/-0.197 χ^2/NDF: 502625.4/49

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -209.613+/-1685.473 χ^2/NDF: 22.3/21

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2138.270+/-1508.893 χ^2/NDF: 23.9/26

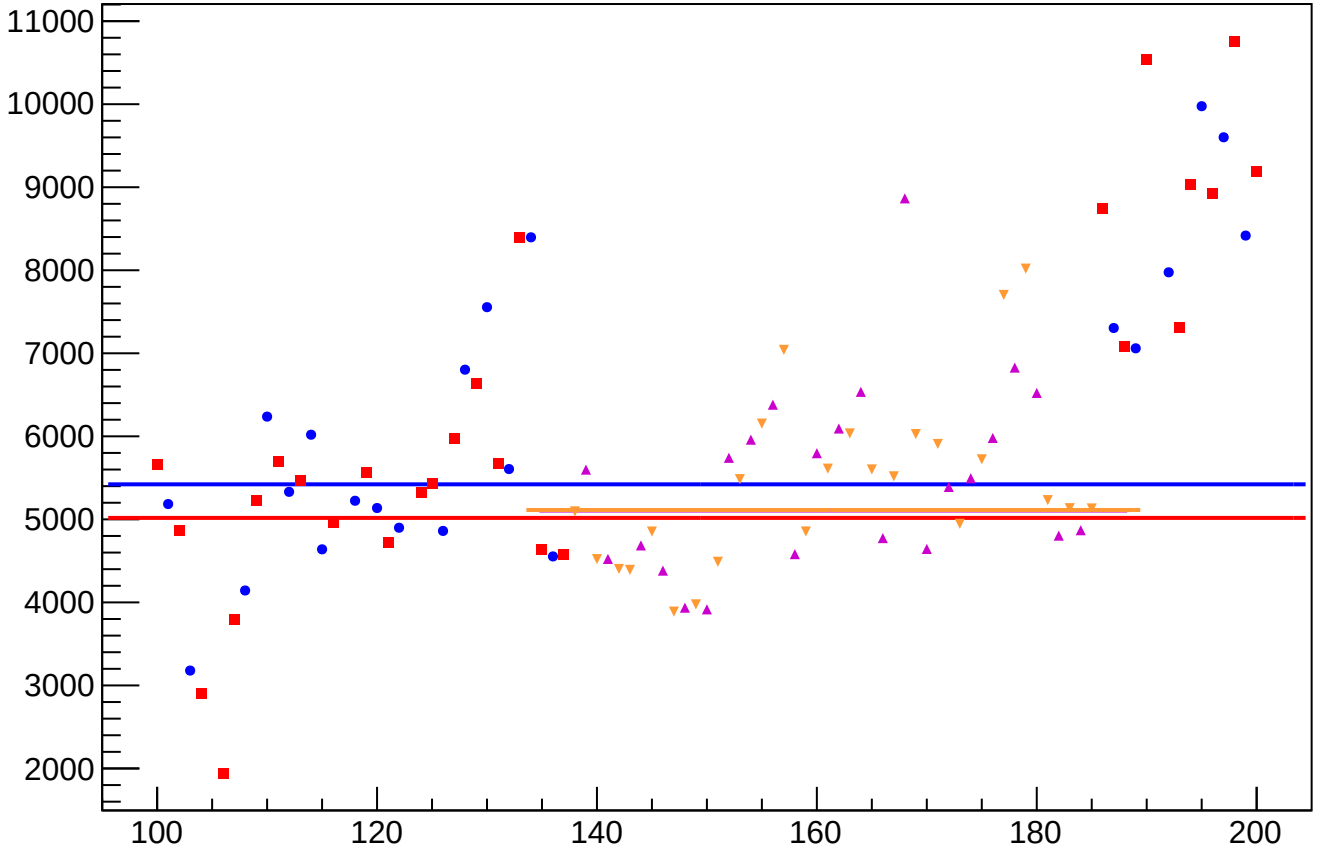
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 267.226+/-970.651 χ^2/NDF: 49.2/46

All: 592.535+/-678.042 χ^2/NDF: 89.3/96

\- sign 902.550+/-947.558 χ^2/NDF: 39.9/49

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5421.936+/-1.192 χ^2/NDF: 2186234.5/21

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5017.483+/-1.067 χ^2/NDF: 4255048.4/26

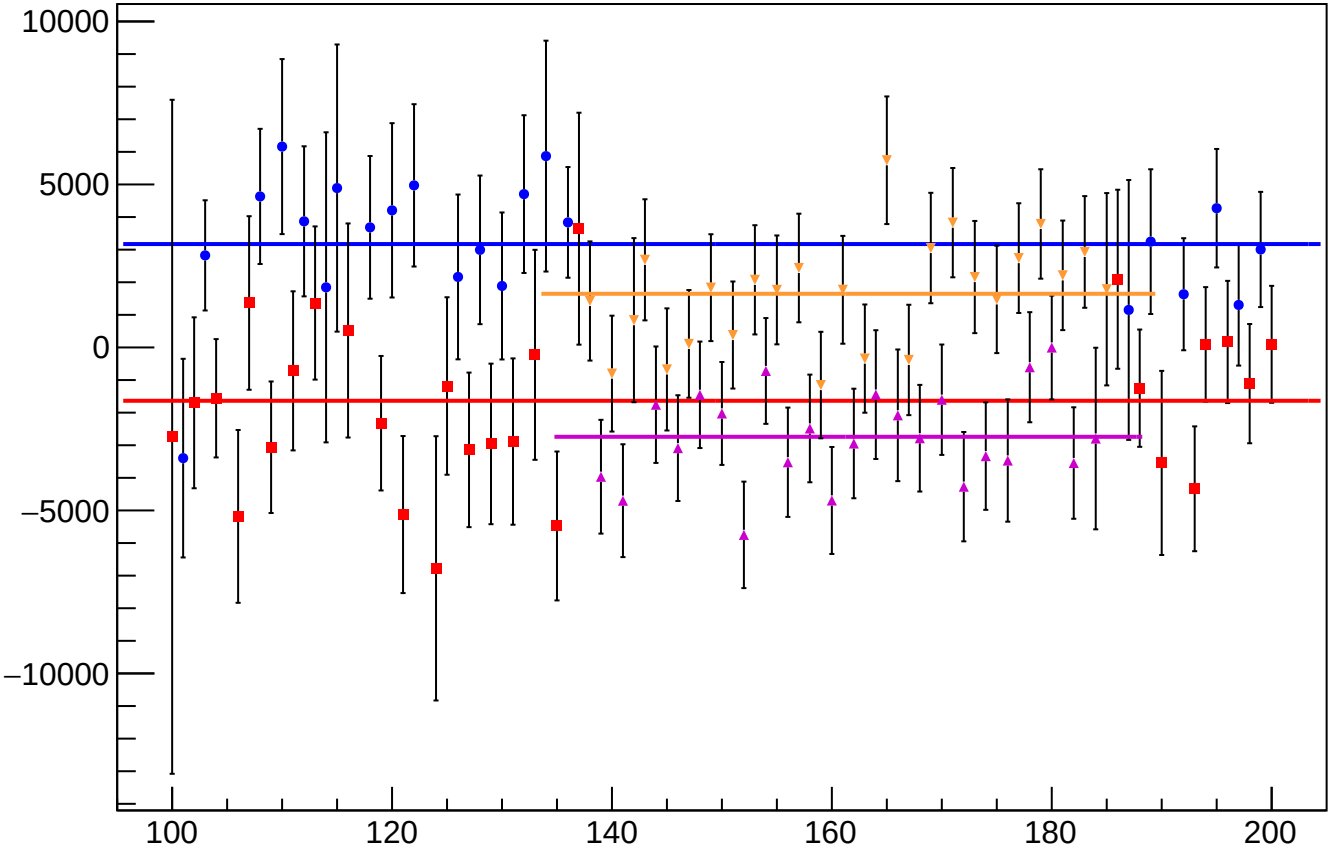
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5215.428+/-0.686 χ^2/NDF: 3390166.5/46

All: 5141.643+/-0.479 χ^2/NDF: 8923612.9/96

- sign 5071.326+/-0.670 χ^2/NDF: 5510875.6/49

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1635.756+/-449.269 χ^2/NDF: 23.0/26

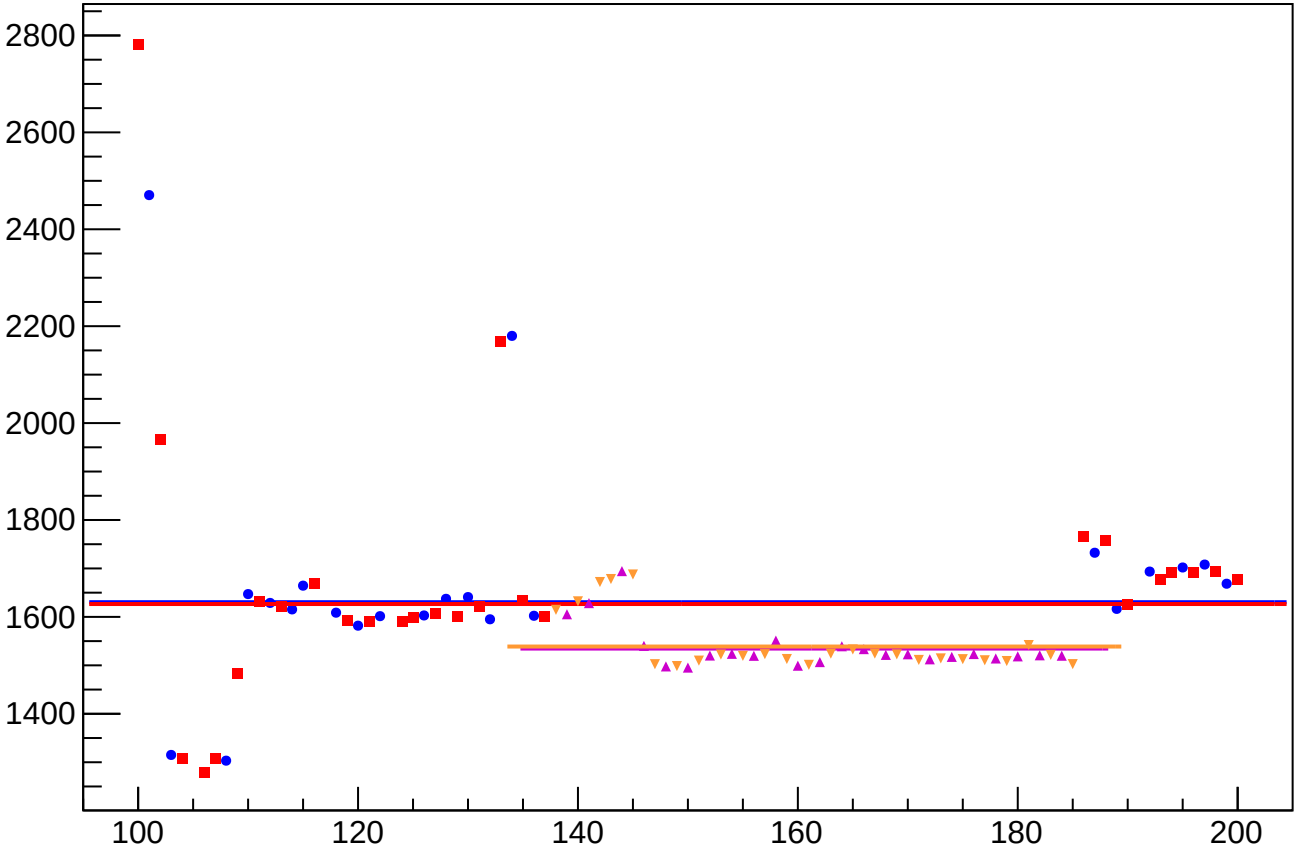
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.663+/-283.320 χ^2/NDF: 39.1/46

All: -94.974+/-199.225 χ^2/NDF: 208.8/96

- sign -2310.980+/-280.200 χ^2/NDF: 43.2/49

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

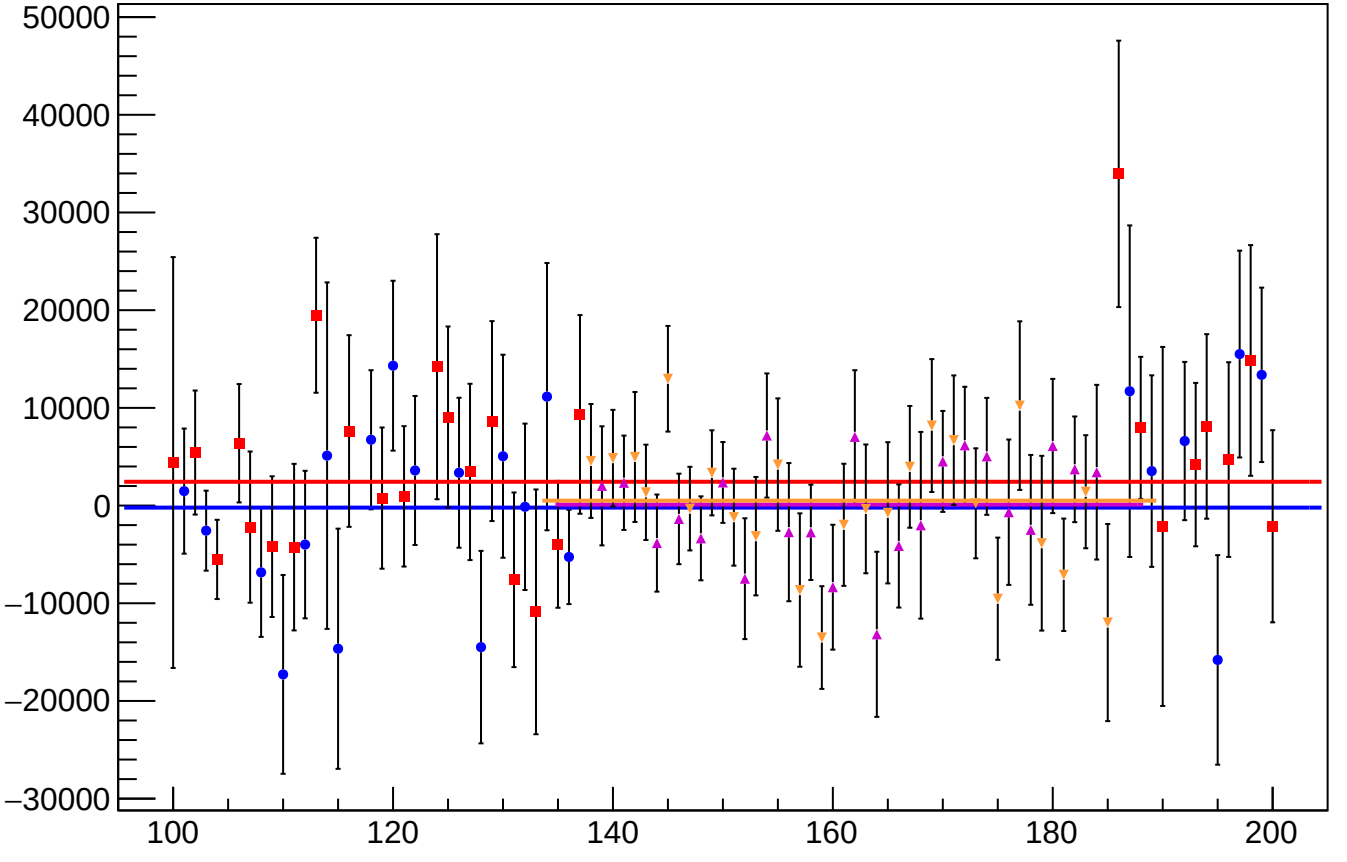
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427941.5/46

All: 1570.375+/-0.141 χ^2/NDF: 795335.3/96

- sign 1570.480+/-0.198 χ^2/NDF: 367393.2/49

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2435.930+/-1578.751 χ^2/NDF: 24.5/26

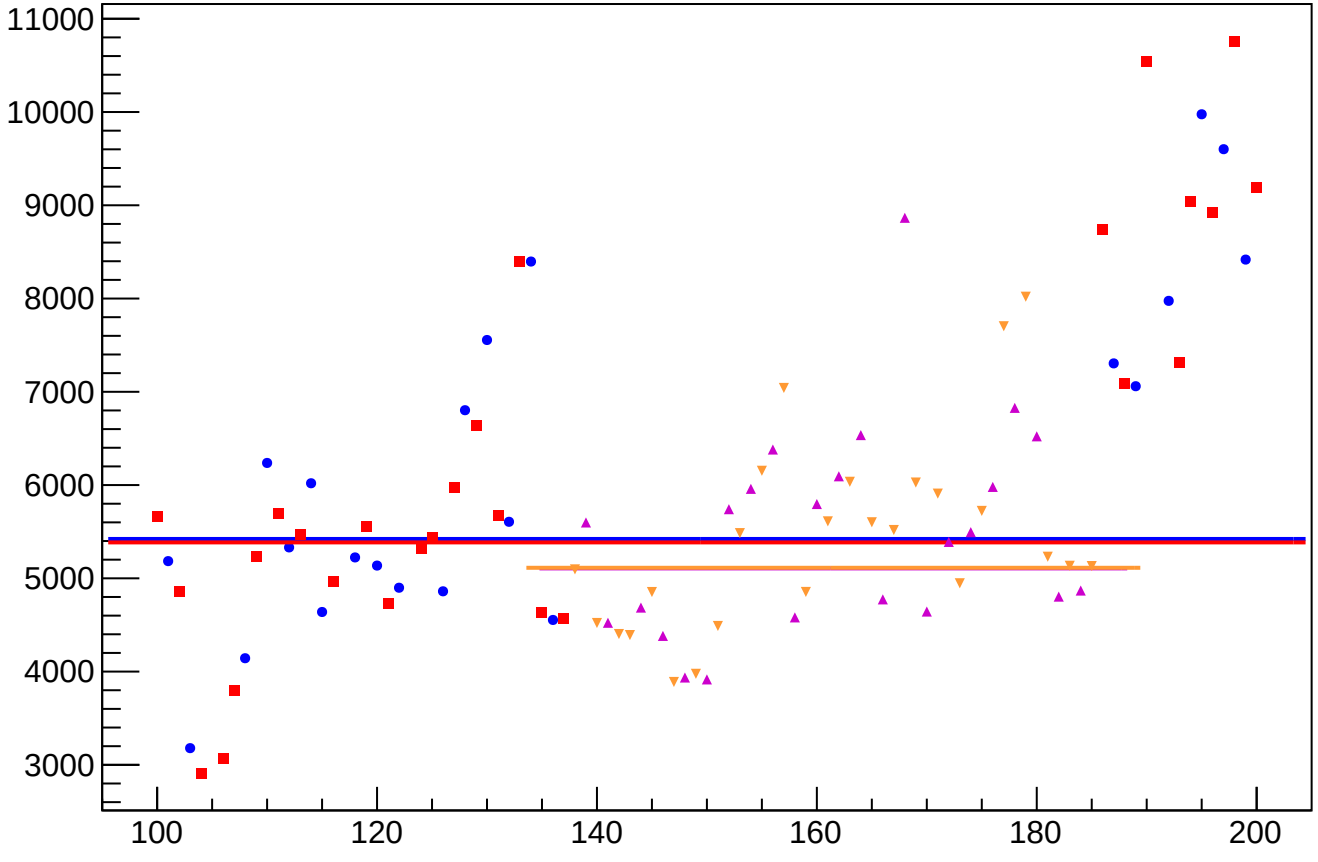
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 267.189+/-970.656 χ^2/NDF: 49.2/46

All: 620.914+/-684.047 χ^2/NDF: 90.3/96

\- sign 969.915+/-964.153 χ^2/NDF: 40.8/49

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

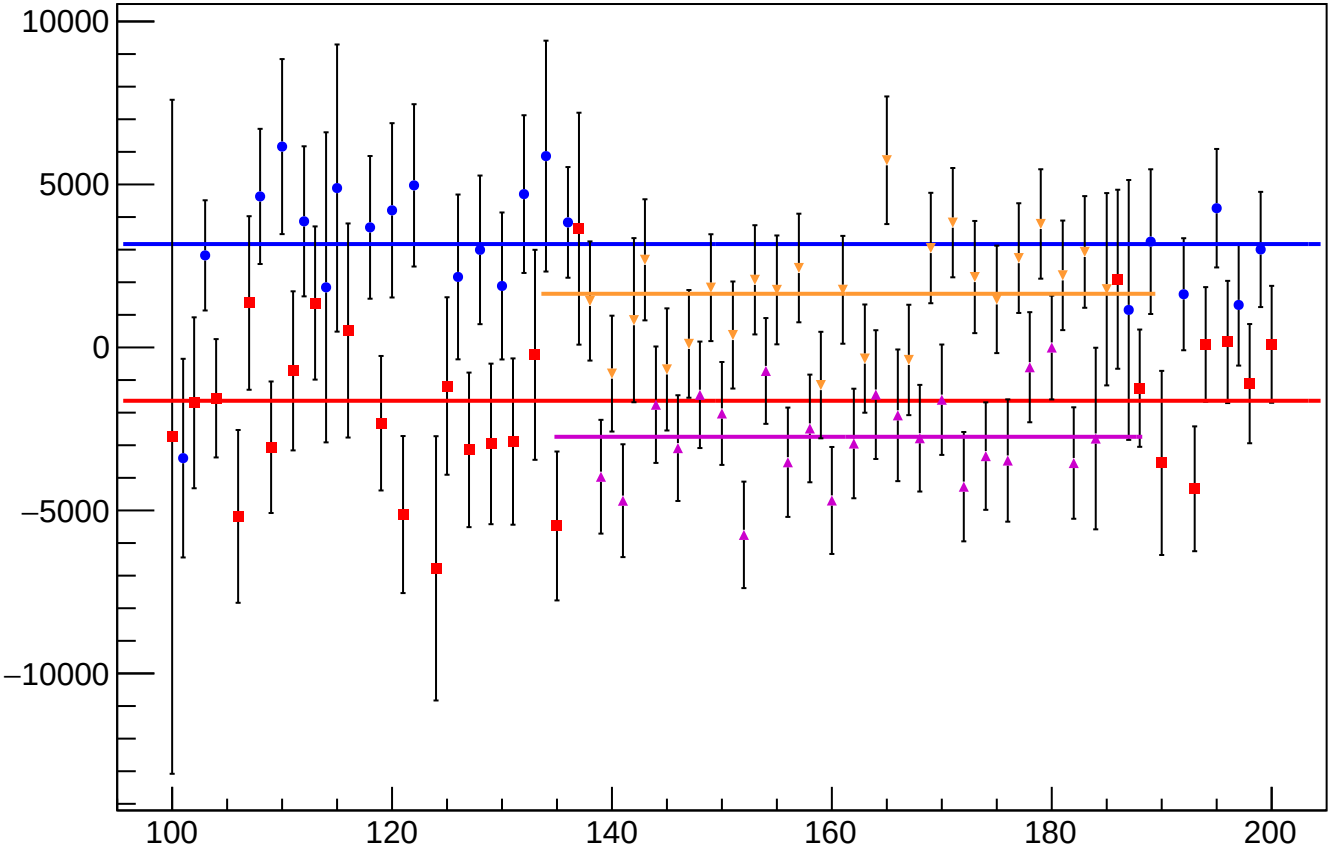
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5215.465+/-0.686 χ^2/NDF: 3389920.1/46

All: 5212.897+/-0.484 χ^2/NDF: 7798879.6/96

- sign 5210.362+/-0.682 χ^2/NDF: 4408931.7/49

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1635.756+/-449.269 χ^2/NDF: 23.0/26

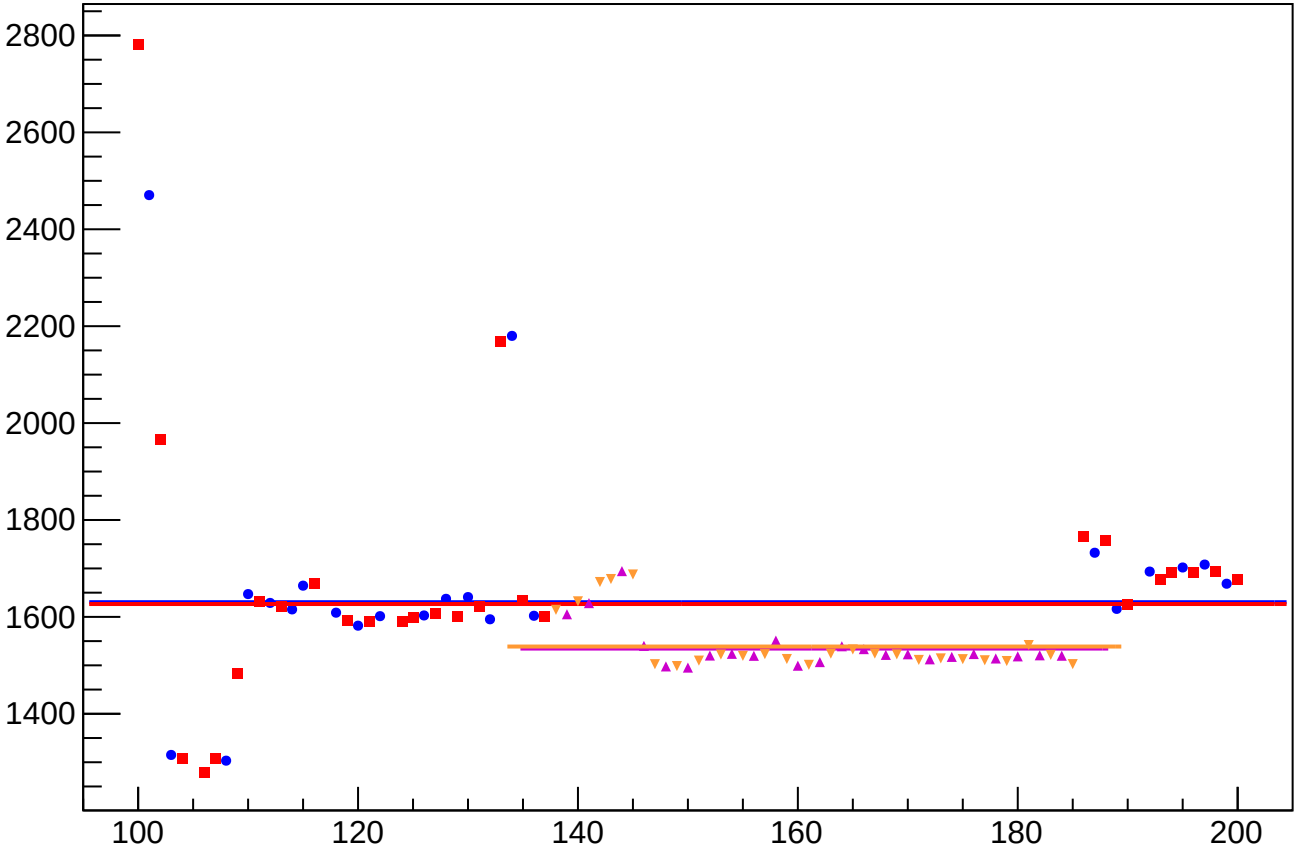
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.663+/-283.320 χ^2/NDF: 39.1/46

All: -94.974+/-199.225 χ^2/NDF: 208.8/96

- sign -2310.980+/-280.200 χ^2/NDF: 43.2/49

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

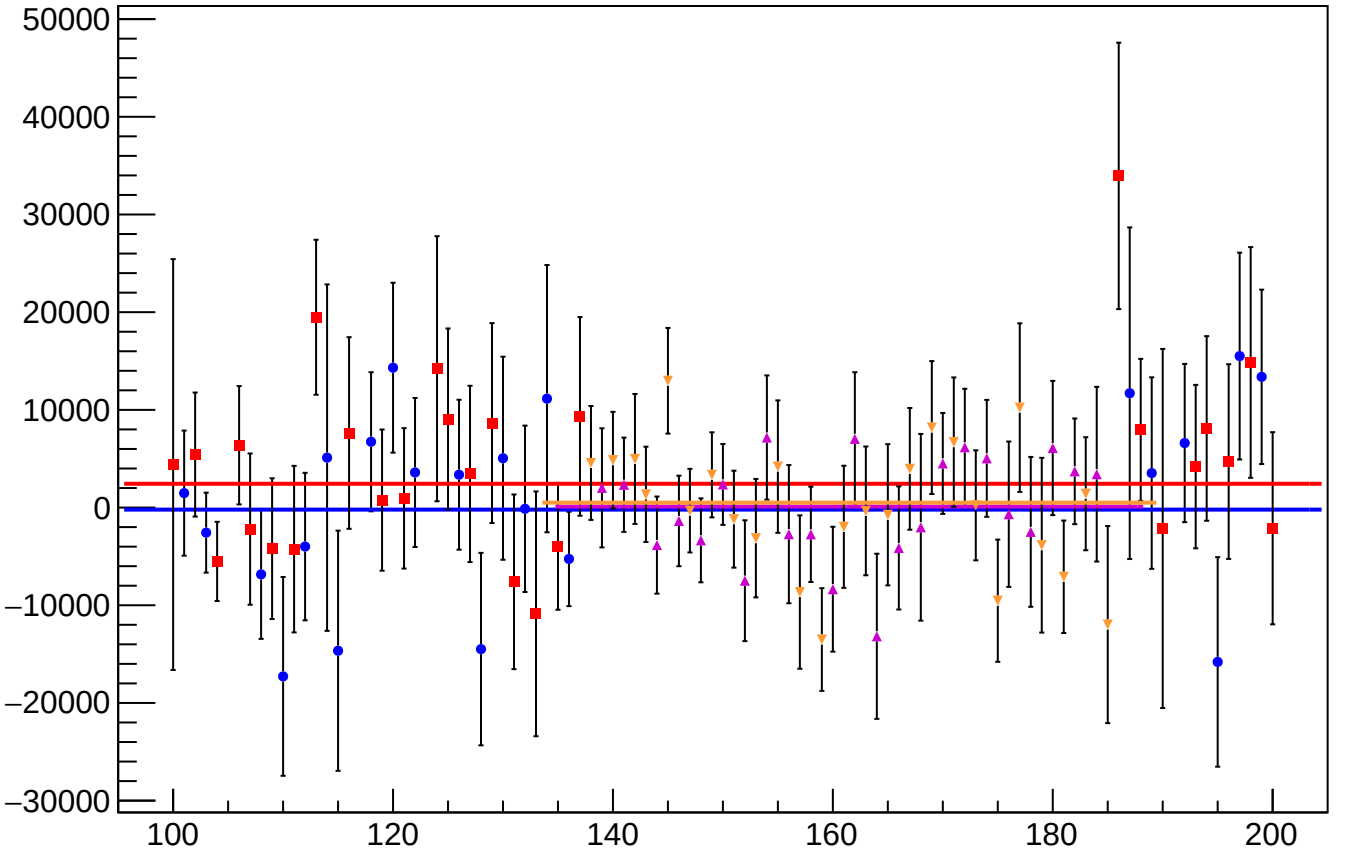
Right Out: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427941.5/46

All: 1570.375+/-0.141 χ^2/NDF: 795335.3/96

- sign 1570.480+/-0.198 χ^2/NDF: 367393.2/49



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

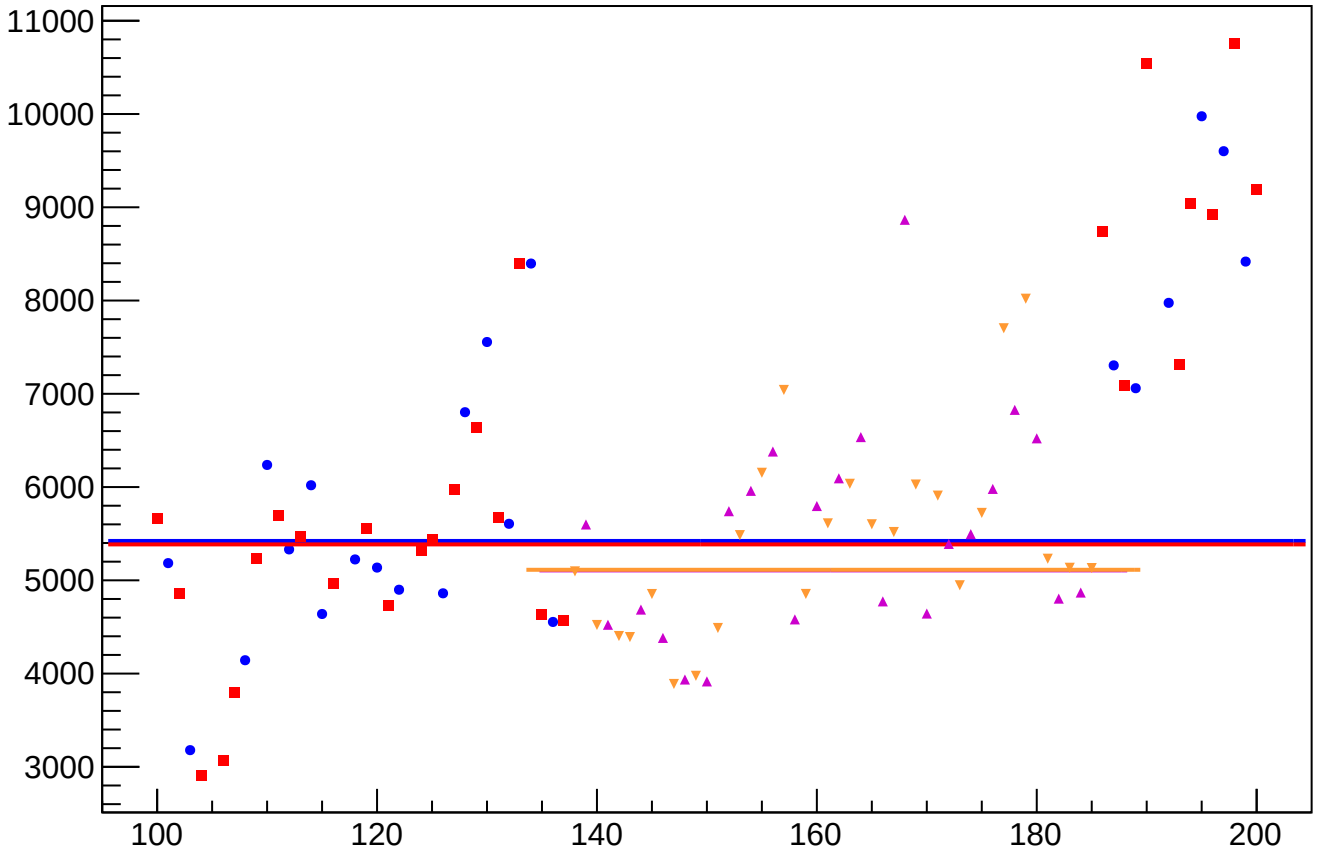
Right Out: 2435.930+/-1578.751 χ^2/NDF: 24.5/26

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 267.189+/-970.656 χ^2/NDF: 49.2/46

All: 620.914+/-684.047 χ^2/NDF: 90.3/96

\- sign 969.915+/-964.153 χ^2/NDF: 40.8/49



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

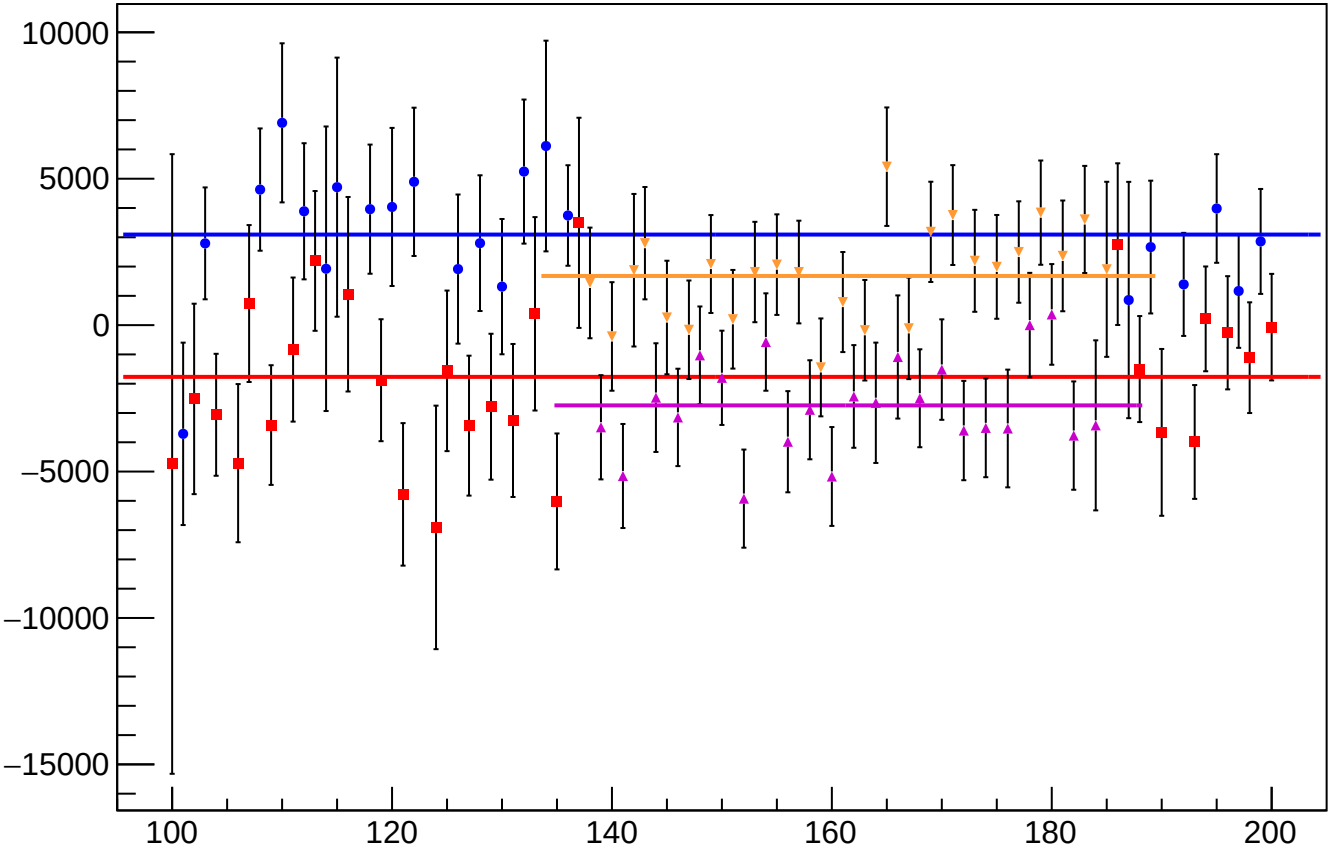
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5215.465+/-0.686 χ^2/NDF: 3389920.1/46

All: 5212.897+/-0.484 χ^2/NDF: 7798879.6/96

- sign 5210.362+/-0.682 χ^2/NDF: 4408931.7/49

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3092.868+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1766.569+/-461.458 χ^2/NDF: 25.3/26

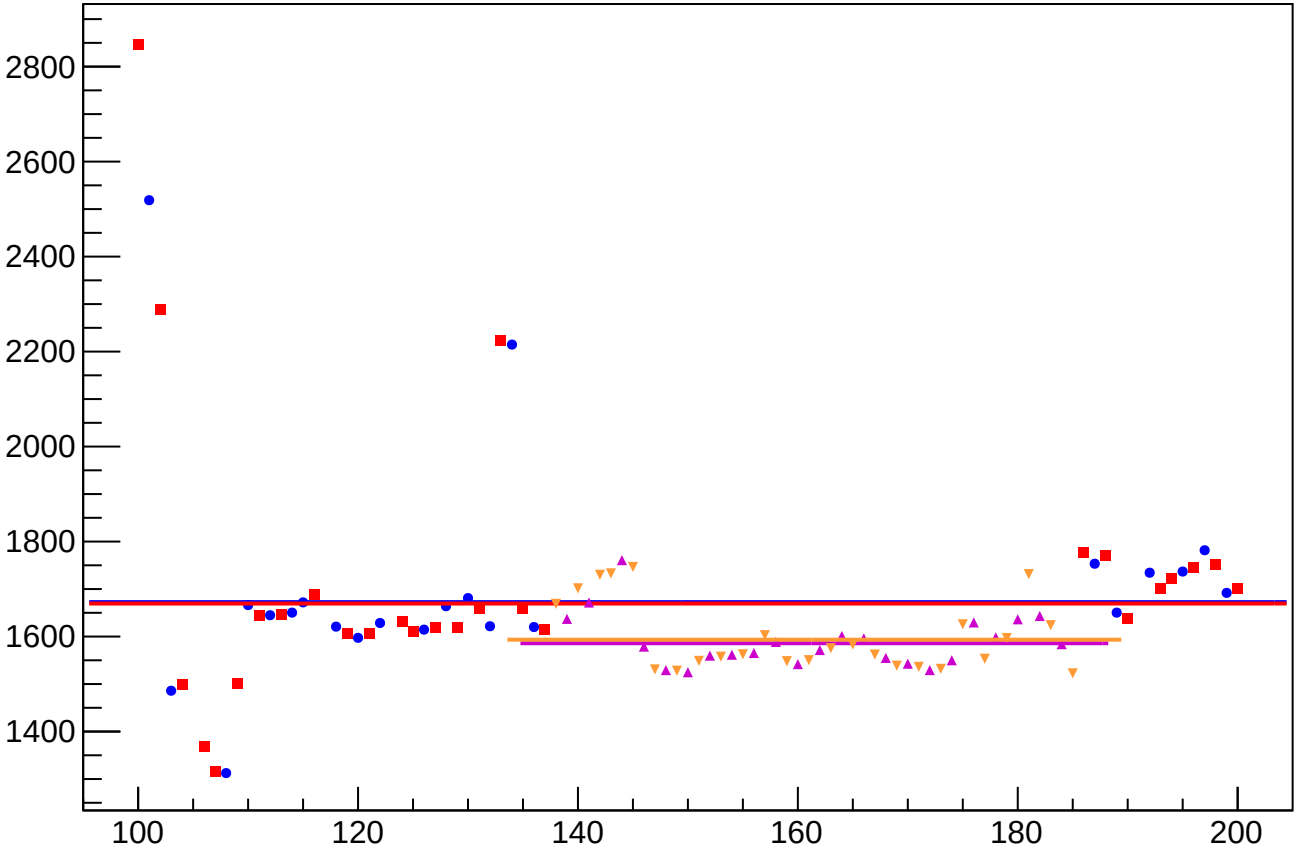
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2172.036+/-292.475 χ^2/NDF: 37.6/46

All: -120.783+/-205.555 χ^2/NDF: 206.3/96

- sign -2358.728+/-288.954 χ^2/NDF: 47.2/49

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.3/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1669.555+/-0.326 χ^2/NDF: 266727.0/26

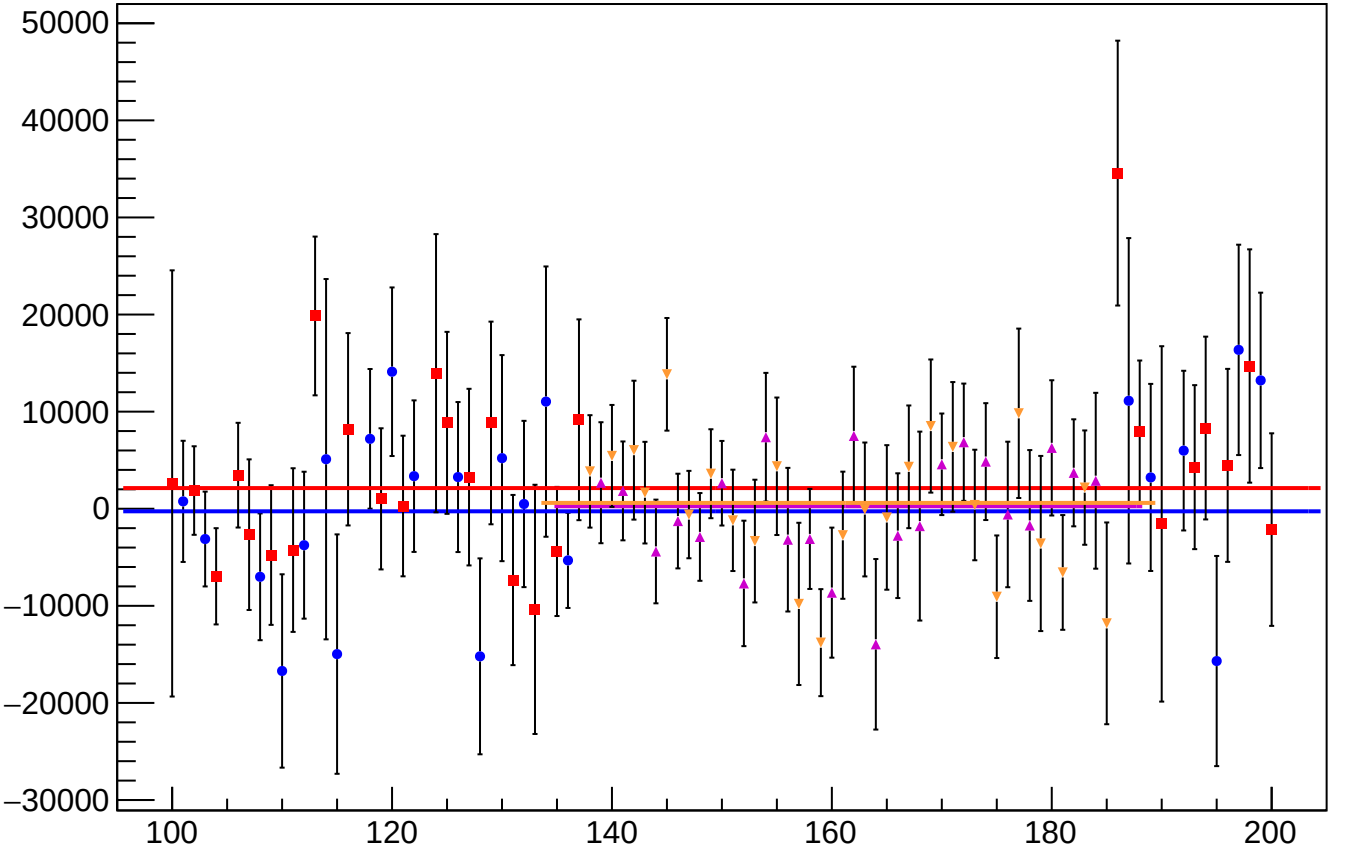
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1620.969+/-0.207 χ^2/NDF: 396581.2/46

All: 1619.837+/-0.145 χ^2/NDF: 745246.0/96

- sign 1618.732+/-0.204 χ^2/NDF: 348605.6/49

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -265.215+/-1736.918 χ^2/NDF: 22.1/21

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2127.150+/-1568.231 χ^2/NDF: 23.8/26

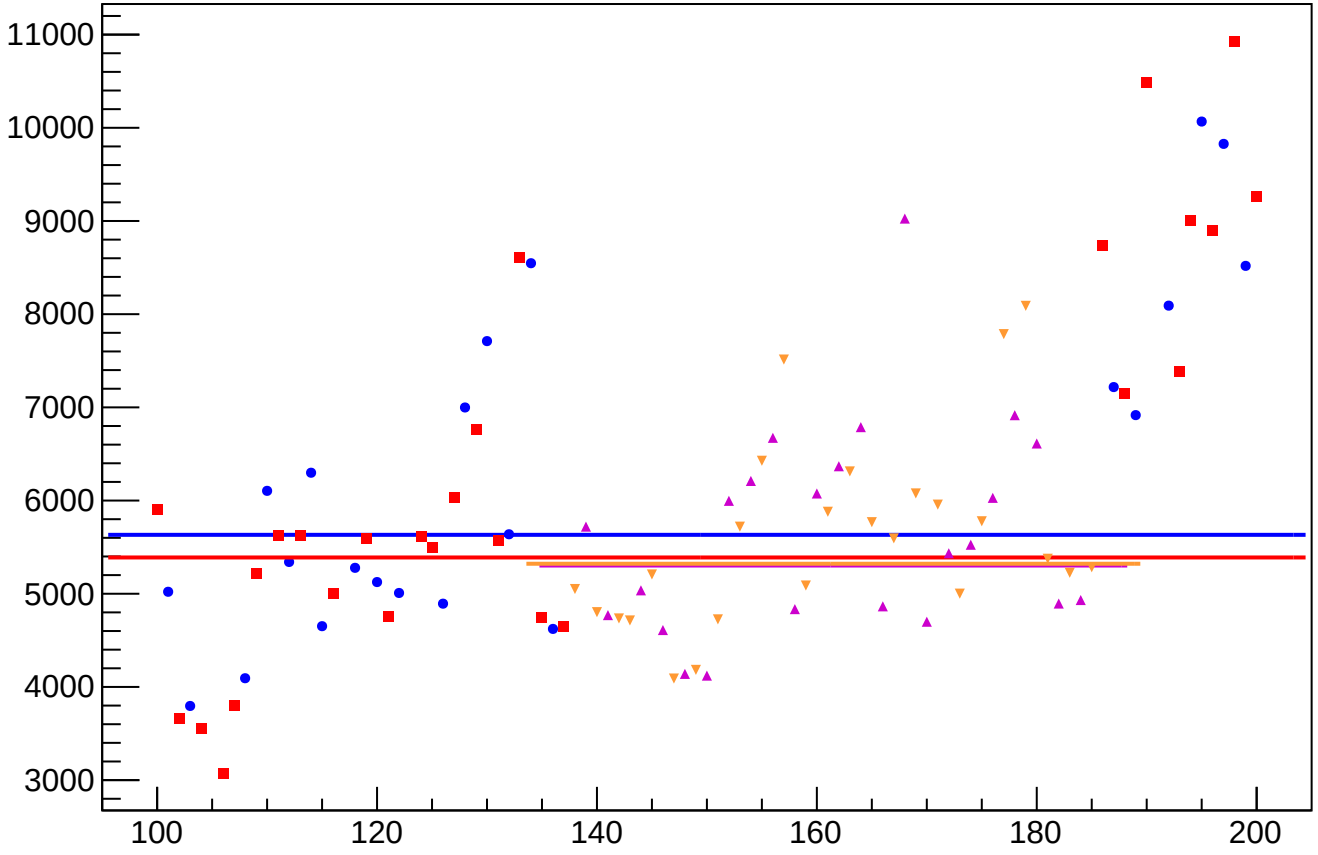
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 311.124+/-1005.728 χ^2/NDF: 48.3/46

All: 659.093+/-703.156 χ^2/NDF: 87.8/96

\- sign 991.831+/-983.472 χ^2/NDF: 39.3/49

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5632.221+/-1.228 χ^2/NDF: 1836879.8/21

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5389.312+/-1.109 χ^2/NDF: 3016281.9/26

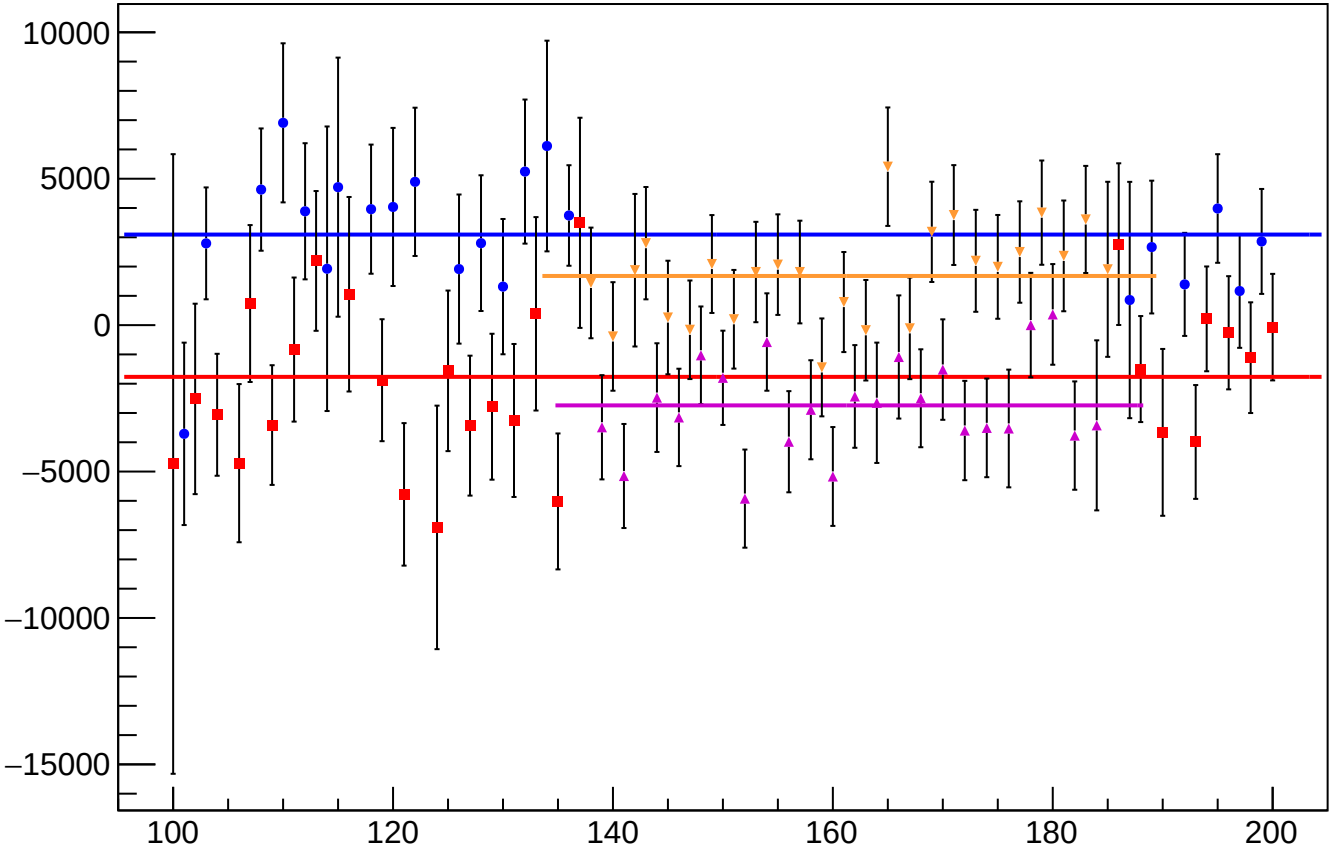
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5425.980+/-0.711 χ^2/NDF: 2916309.7/46

All: 5380.420+/-0.497 χ^2/NDF: 7096685.2/96

- sign 5336.854+/-0.695 χ^2/NDF: 4172346.5/49

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3092.869+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1766.572+/-461.458 χ^2/NDF: 25.3/26

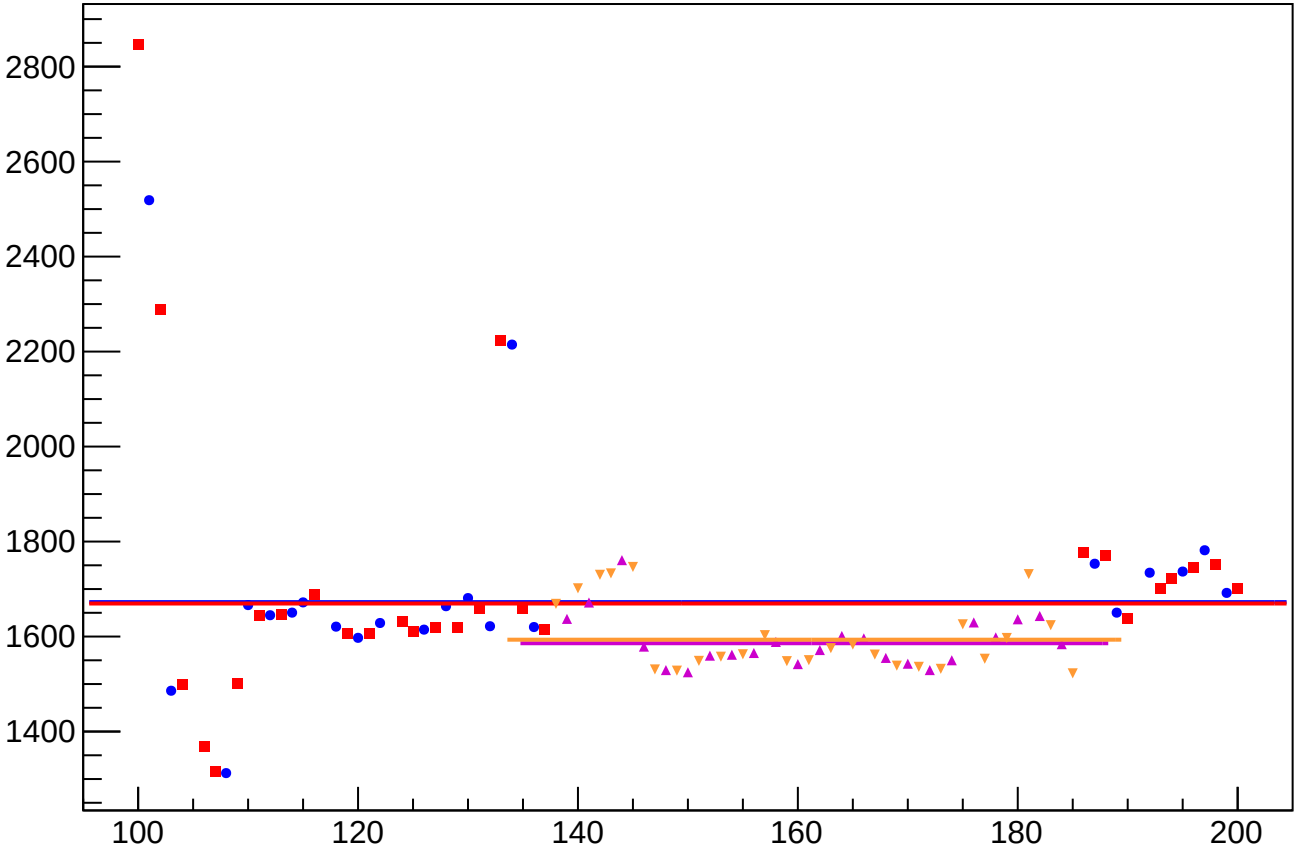
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2172.033+/-292.475 χ^2/NDF: 37.6/46

All: -120.785+/-205.555 χ^2/NDF: 206.3/96

- sign -2358.728+/-288.954 χ^2/NDF: 47.2/49

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.5/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

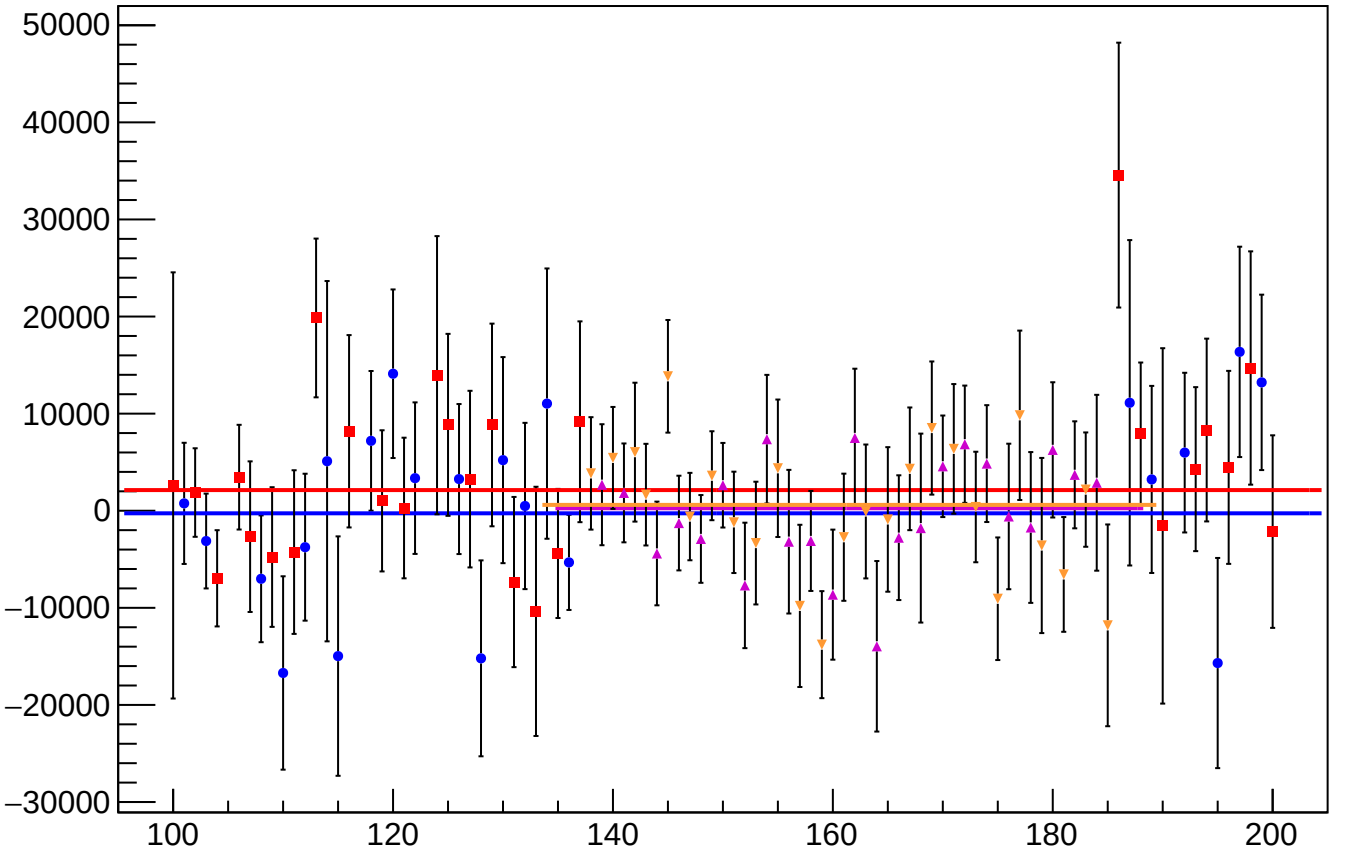
Right Out: 1669.555+/-0.326 χ^2/NDF: 266726.9/26

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1620.969+/-0.207 χ^2/NDF: 396580.1/46

All: 1619.837+/-0.145 χ^2/NDF: 745243.5/96

- sign 1618.732+/-0.204 χ^2/NDF: 348604.3/49



Right In: -265.205+/-1736.916 χ^2/NDF: 22.1/21

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 2127.147+/-1568.229 χ^2/NDF: 23.8/26

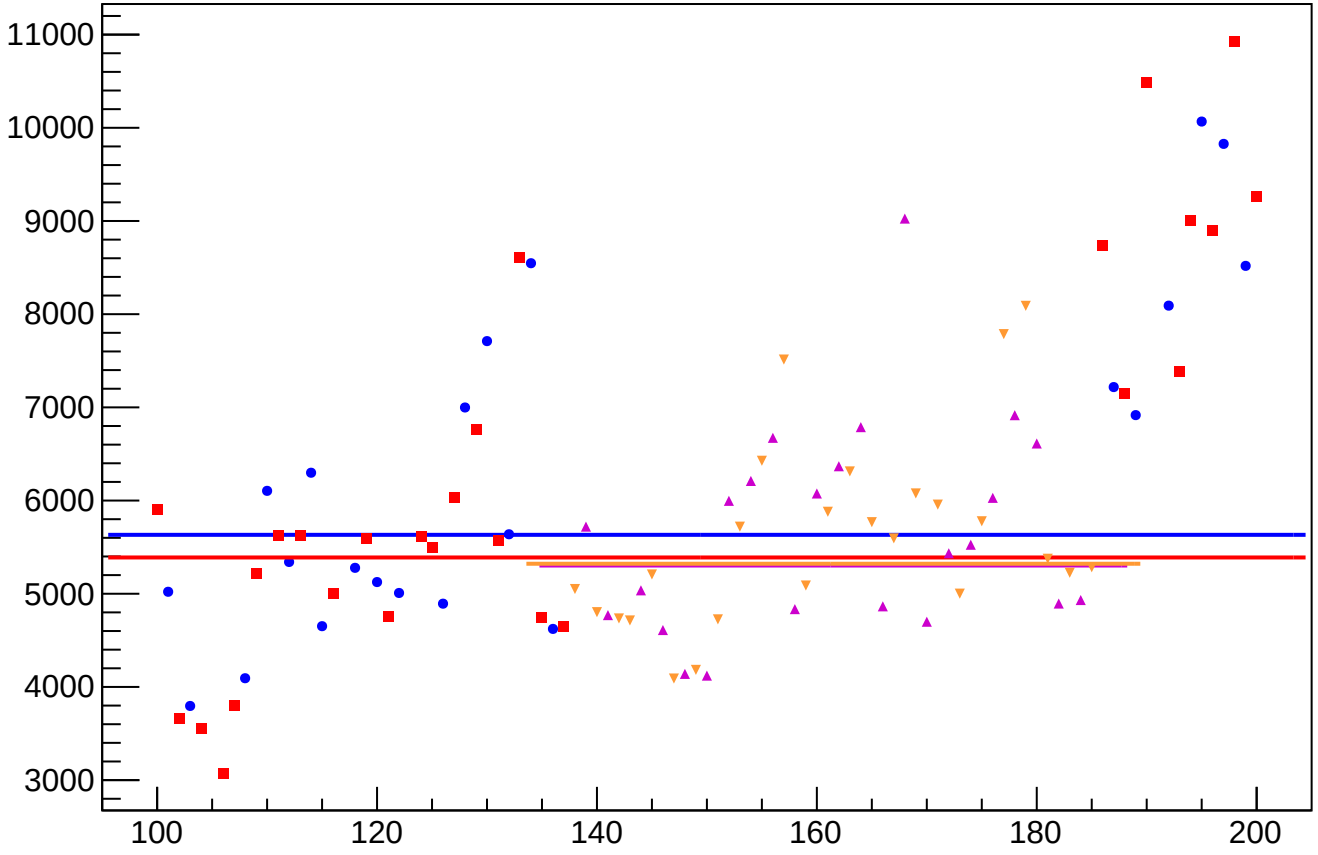
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 311.124+/-1005.729 χ^2/NDF: 48.3/46

All: 659.094+/-703.157 χ^2/NDF: 87.8/96

- sign 991.834+/-983.472 χ^2/NDF: 39.3/49

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5632.214+/-1.228 χ^2/NDF: 1836883.1/21

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5389.305+/-1.109 χ^2/NDF: 3016287.3/26

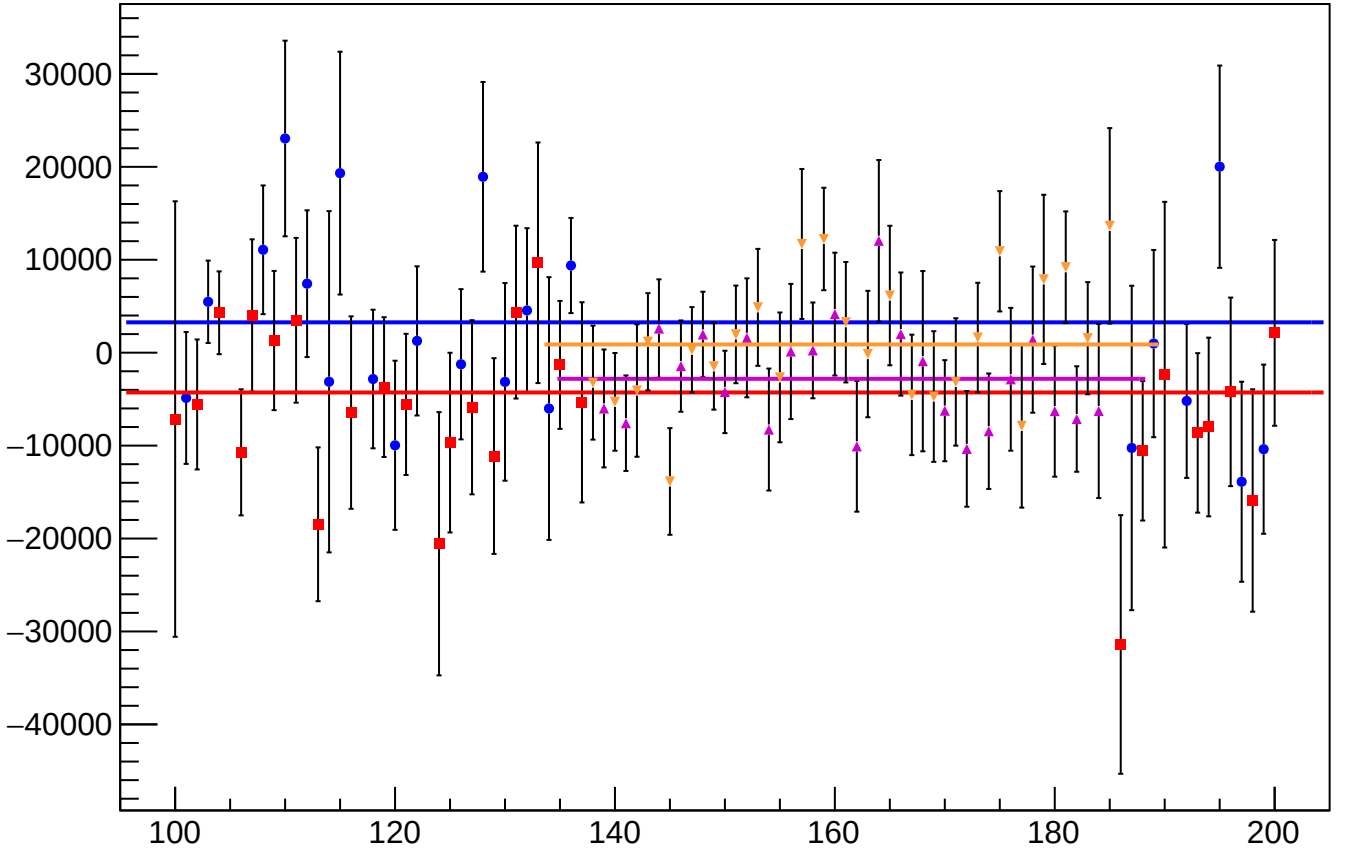
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5425.985+/-0.711 χ^2/NDF: 2916310.9/46

All: 5380.423+/-0.497 χ^2/NDF: 7096694.8/96

- sign 5336.856+/-0.695 χ^2/NDF: 4172354.6/49

asym_usr_atr2_avg_mean vs Slug



Right In: 3265.842+/-1774.529 χ^2/NDF: 24.9/21

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4281.986+/-1669.032 χ^2/NDF: 20.6/26

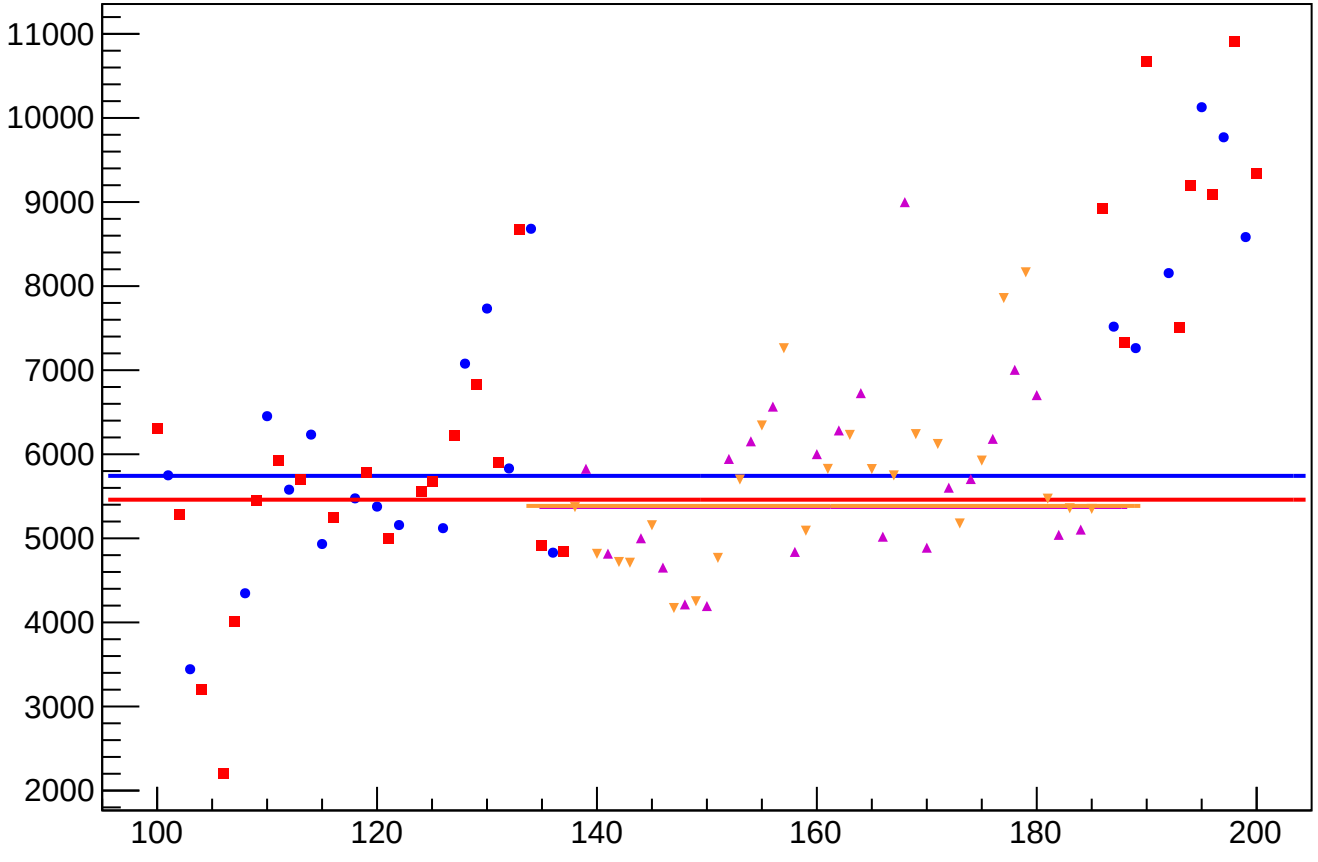
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1671.945+/-1020.002 χ^2/NDF: 51.7/46

All: -855.139+/-719.229 χ^2/NDF: 99.7/96

- sign -3354.086+/-1014.308 χ^2/NDF: 35.8/49

asym_usr_atr2_avg_rms vs Slug



Right In: 5743.066+/-1.255 χ^2/NDF: 1956738.8/21

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

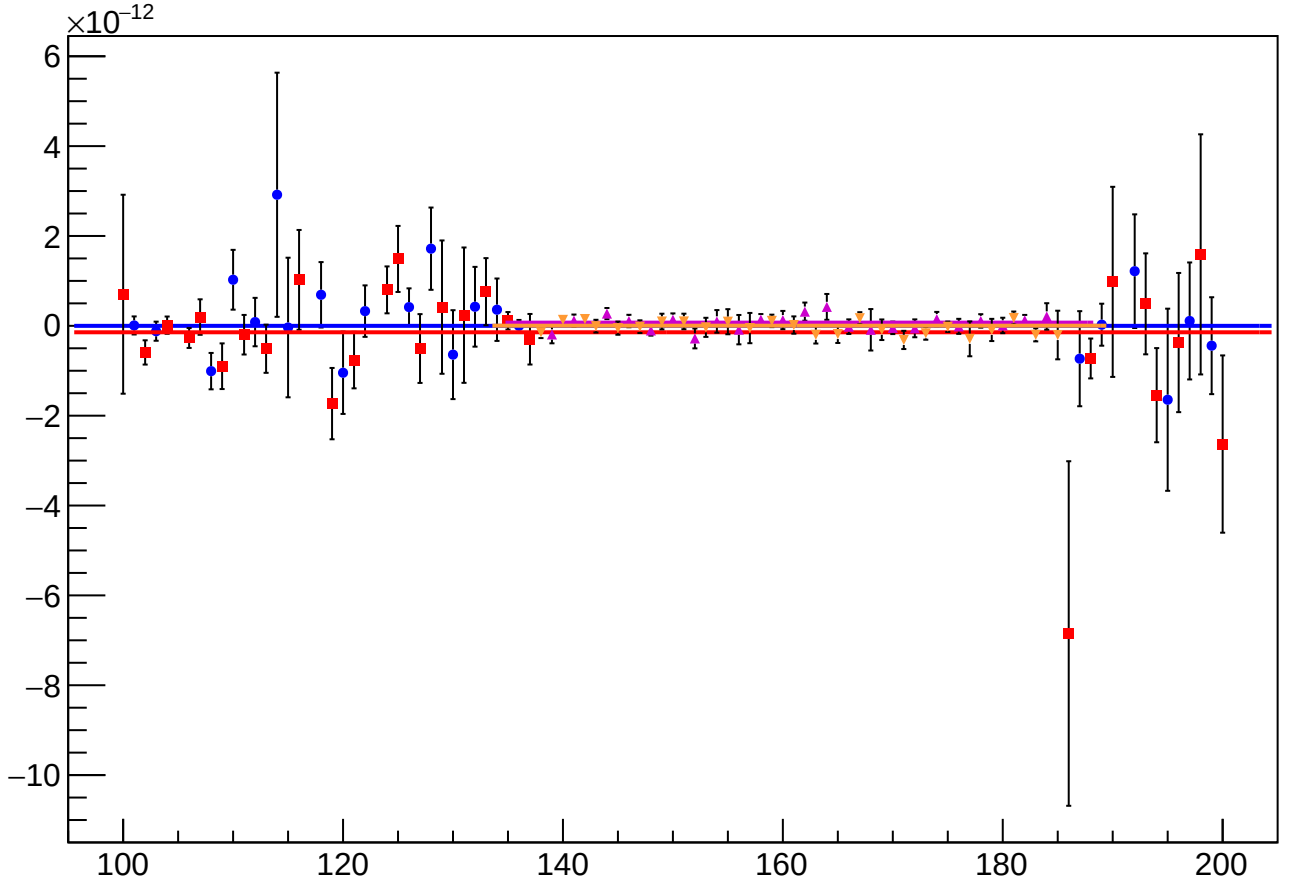
Right Out: 5459.699+/-1.144 χ^2/NDF: 3536305.3/26

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5503.741+/-0.721 χ^2/NDF: 2998155.6/46

All: 5454.128+/-0.506 χ^2/NDF: 7619133.5/96

- sign 5406.198+/-0.709 χ^2/NDF: 4611674.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

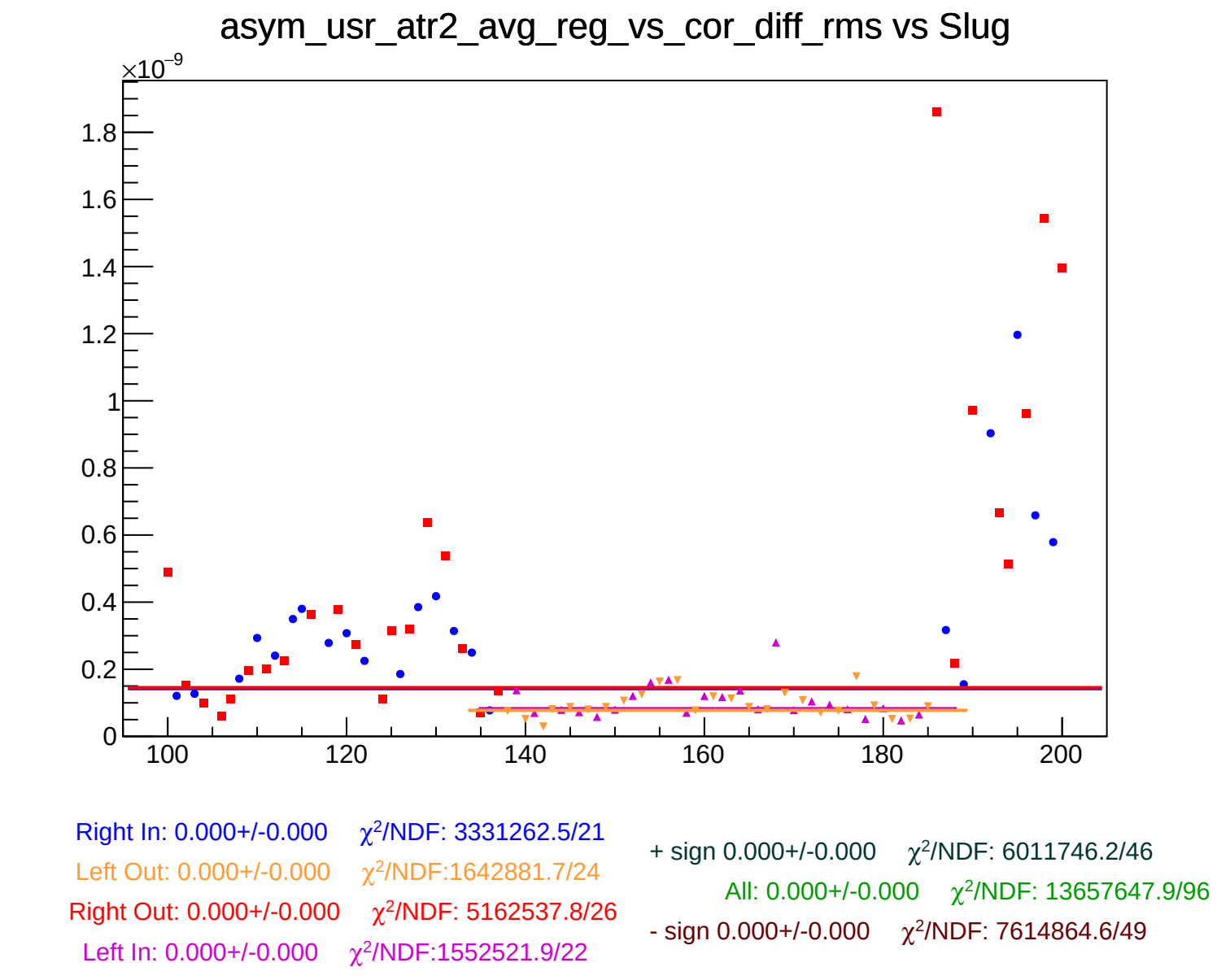
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/26

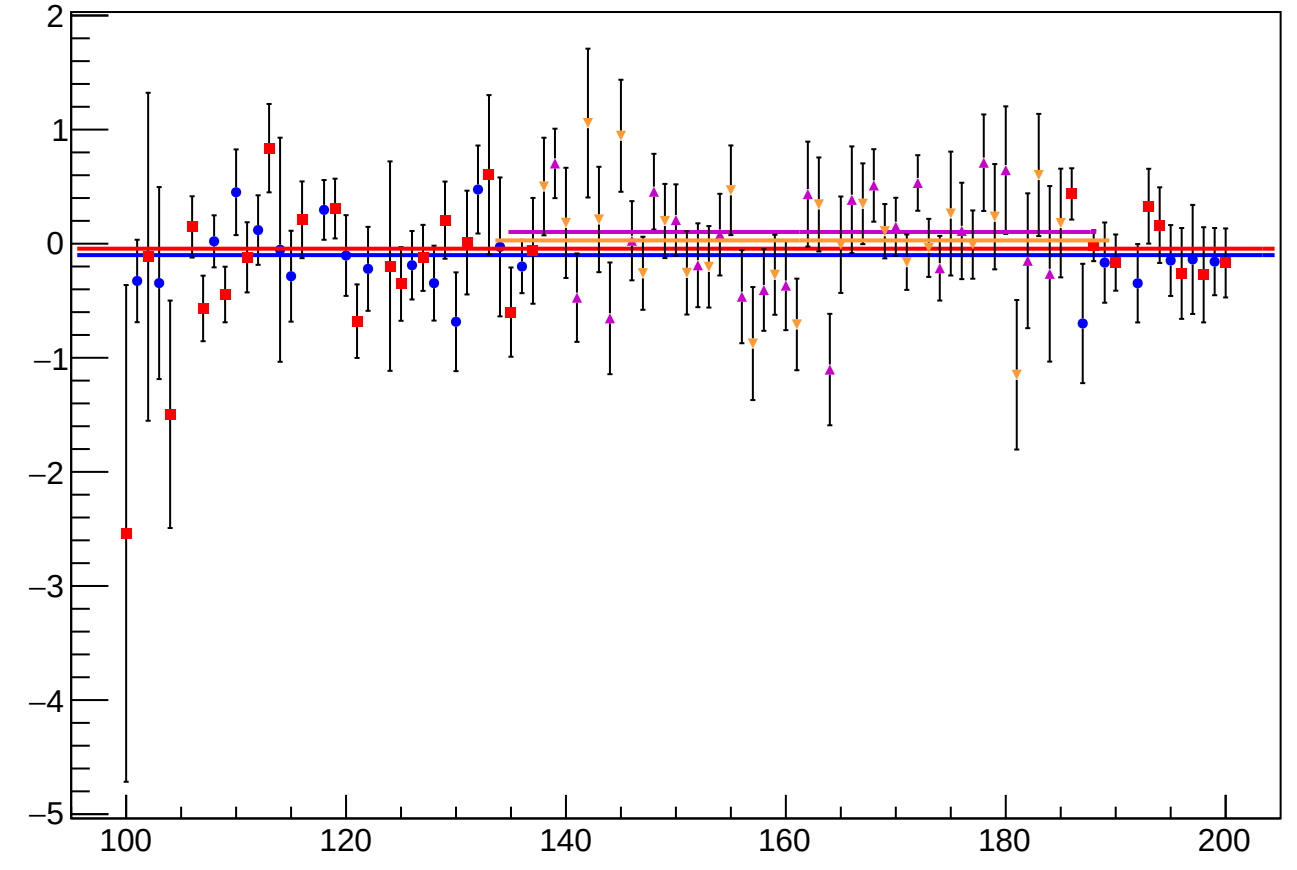
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/46

All: 0.000+/-0.000 χ^2/NDF: 95.1/96

- sign 0.000+/-0.000 χ^2/NDF: 55.7/49


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3331262.5/21
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5162537.8/26
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 6011746.2/46
All: 0.000+/-0.000 χ²/NDF: 13657647.9/96
- sign 0.000+/-0.000 χ²/NDF: 7614864.6/49



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

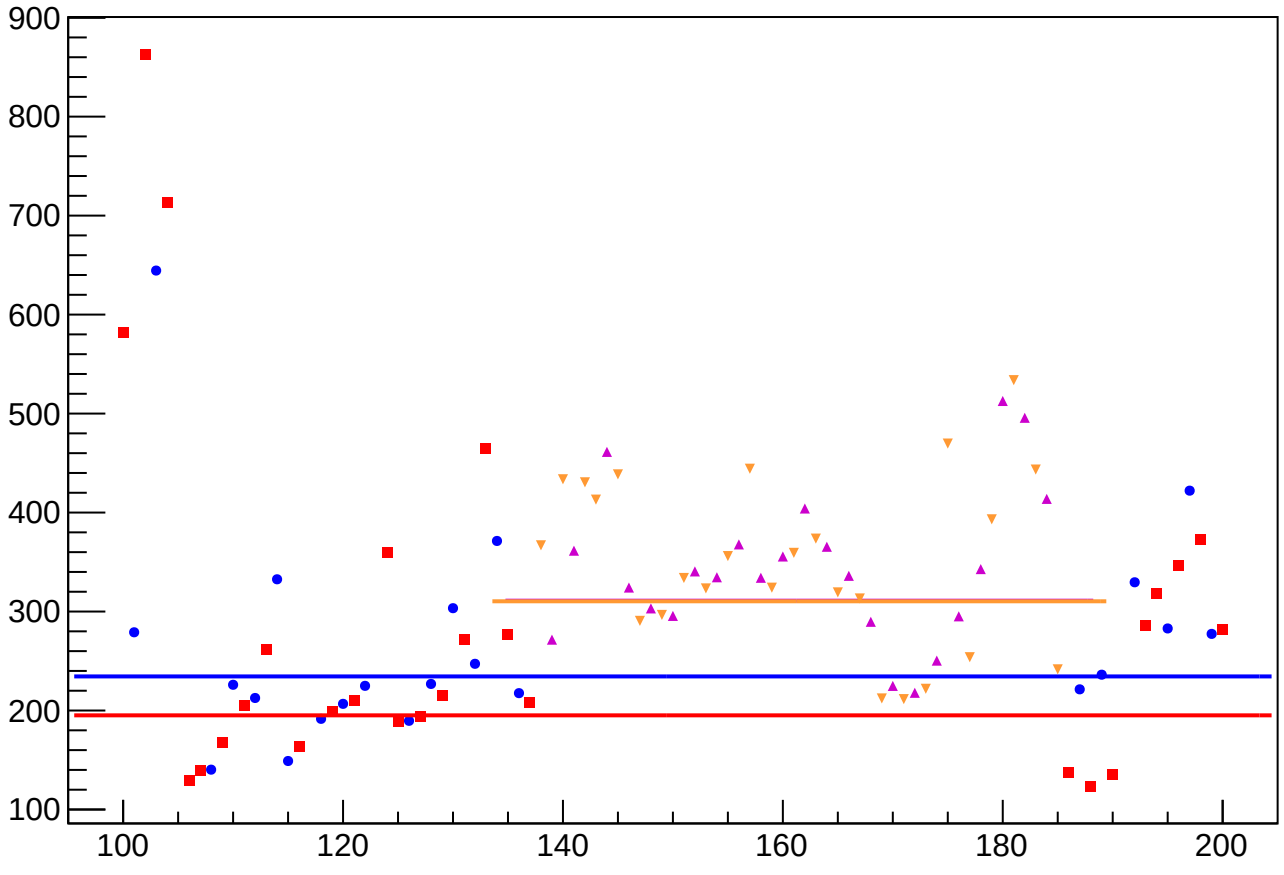
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.009+/-0.035 χ^2/NDF: 108.0/96

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

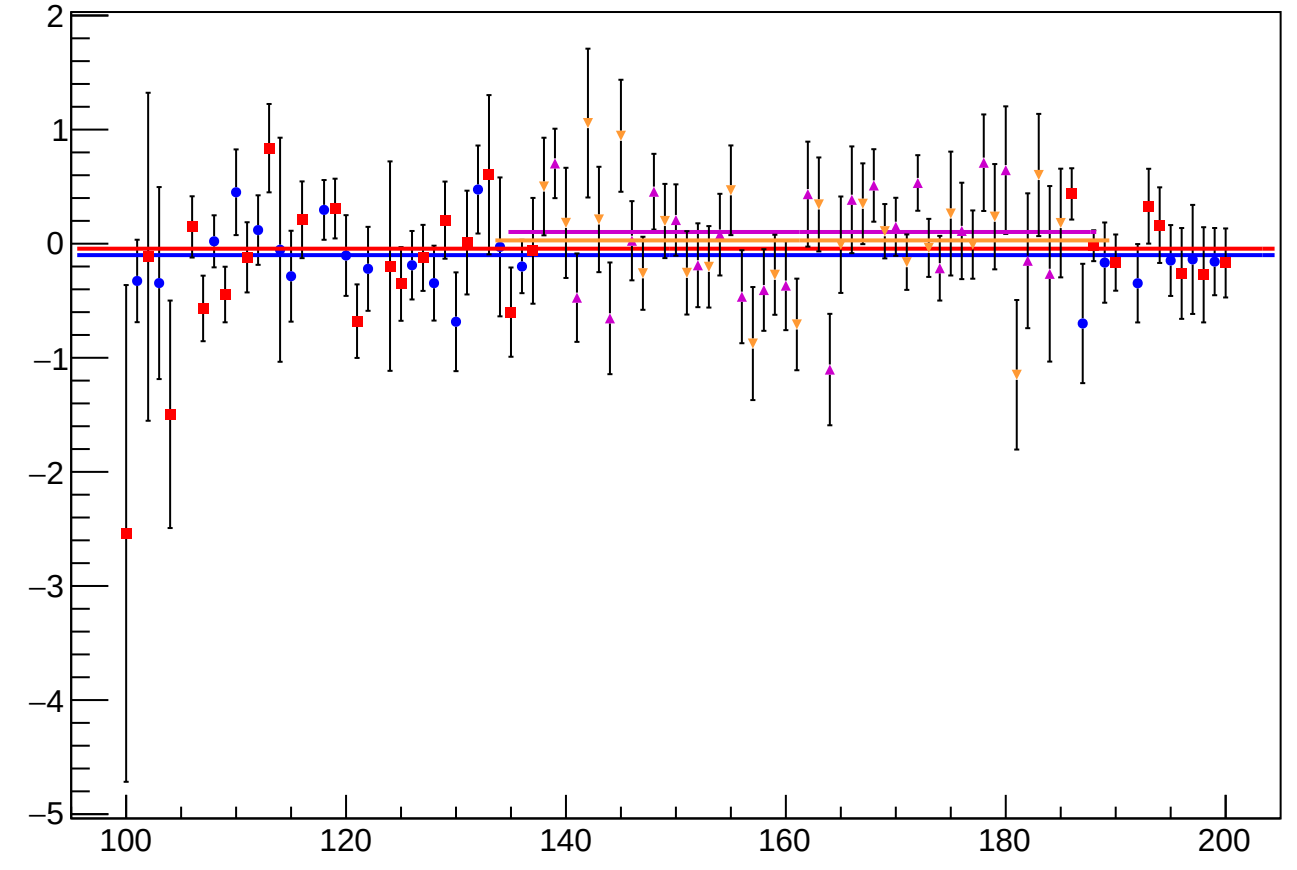
Right Out: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209159.3/46

All: 254.039+/-0.025 χ^2/NDF: 13997719.1/96

- sign 239.531+/-0.033 χ^2/NDF: 8366006.2/49



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

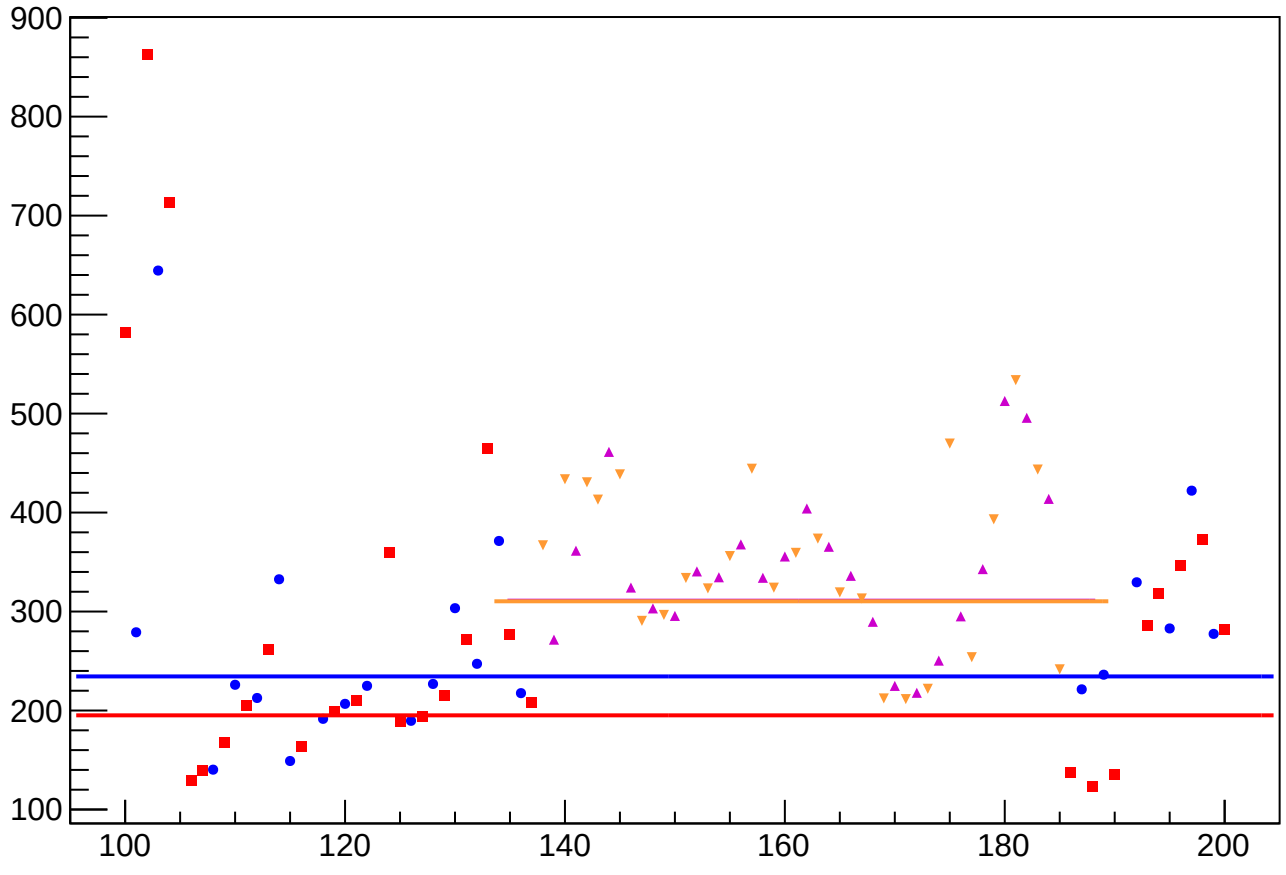
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.009+/-0.035 χ^2/NDF: 108.0/96

\- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

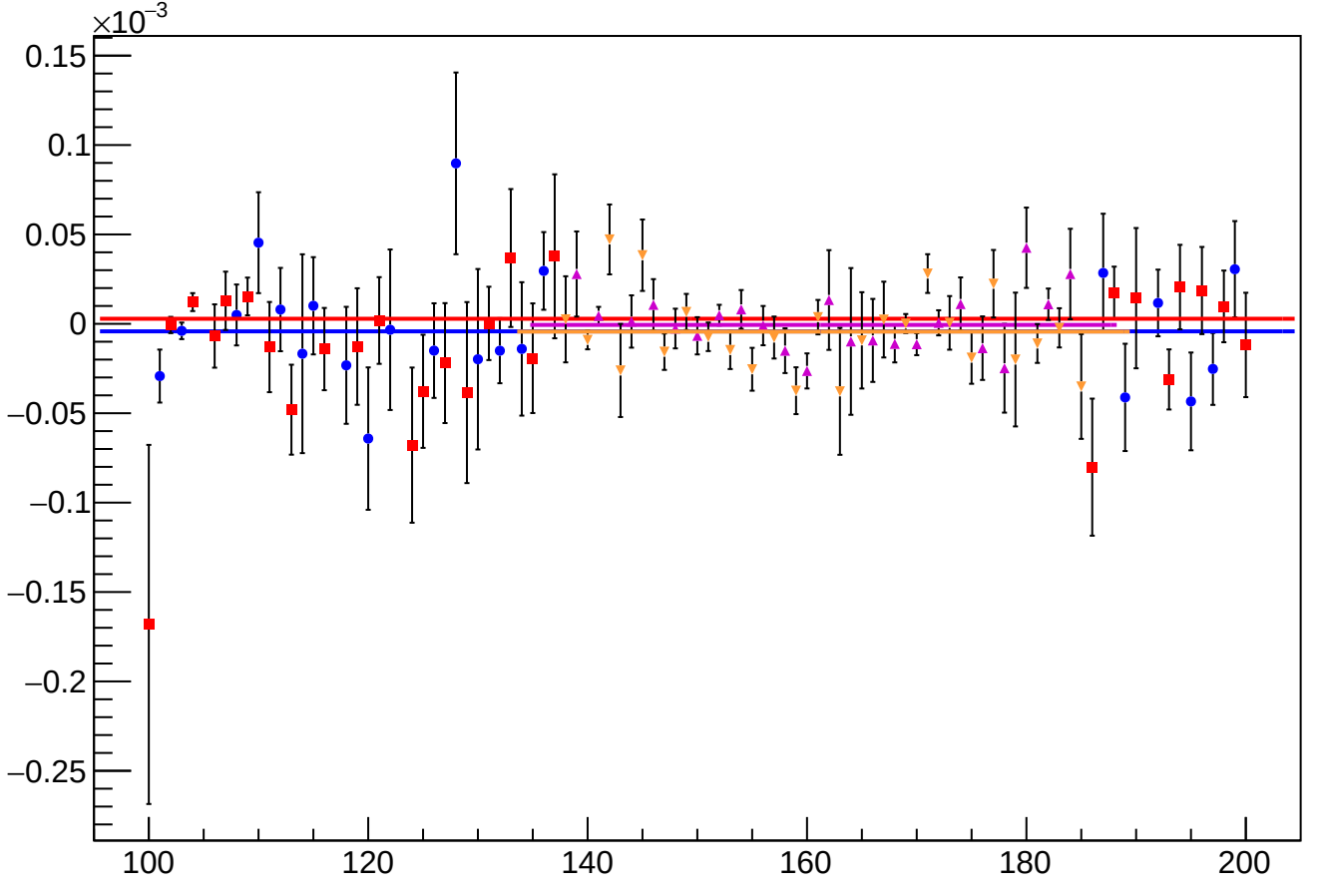
Right Out: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209159.3/46

All: 254.039+/-0.025 χ^2/NDF: 13997719.1/96

- sign 239.531+/-0.033 χ^2/NDF: 8366006.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

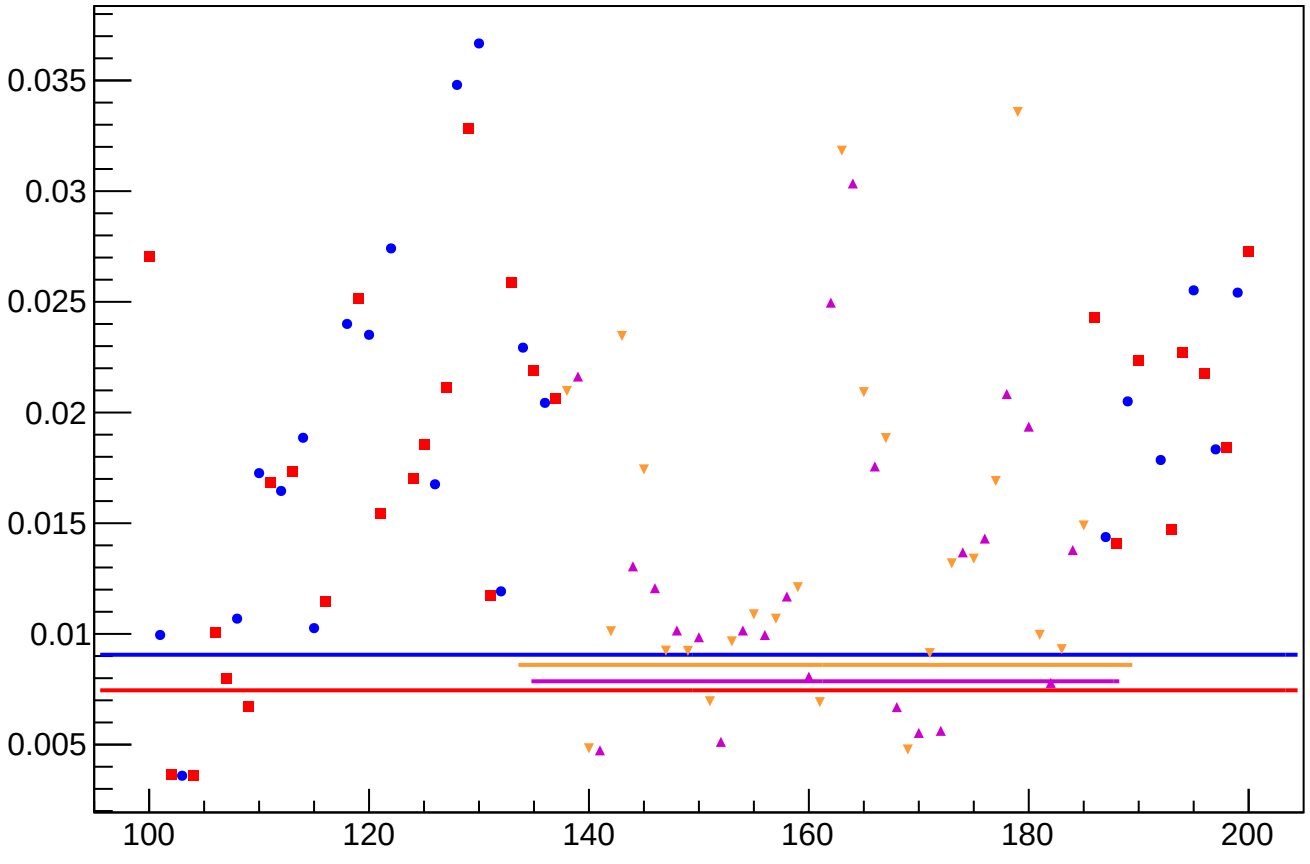
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/26

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/46

All: -0.000+/-0.000 χ^2/NDF: 130.6/96

- sign 0.000+/-0.000 χ^2/NDF: 60.4/49



Right In: 0.009+/-0.000 χ^2/NDF: 9100394.1/21

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

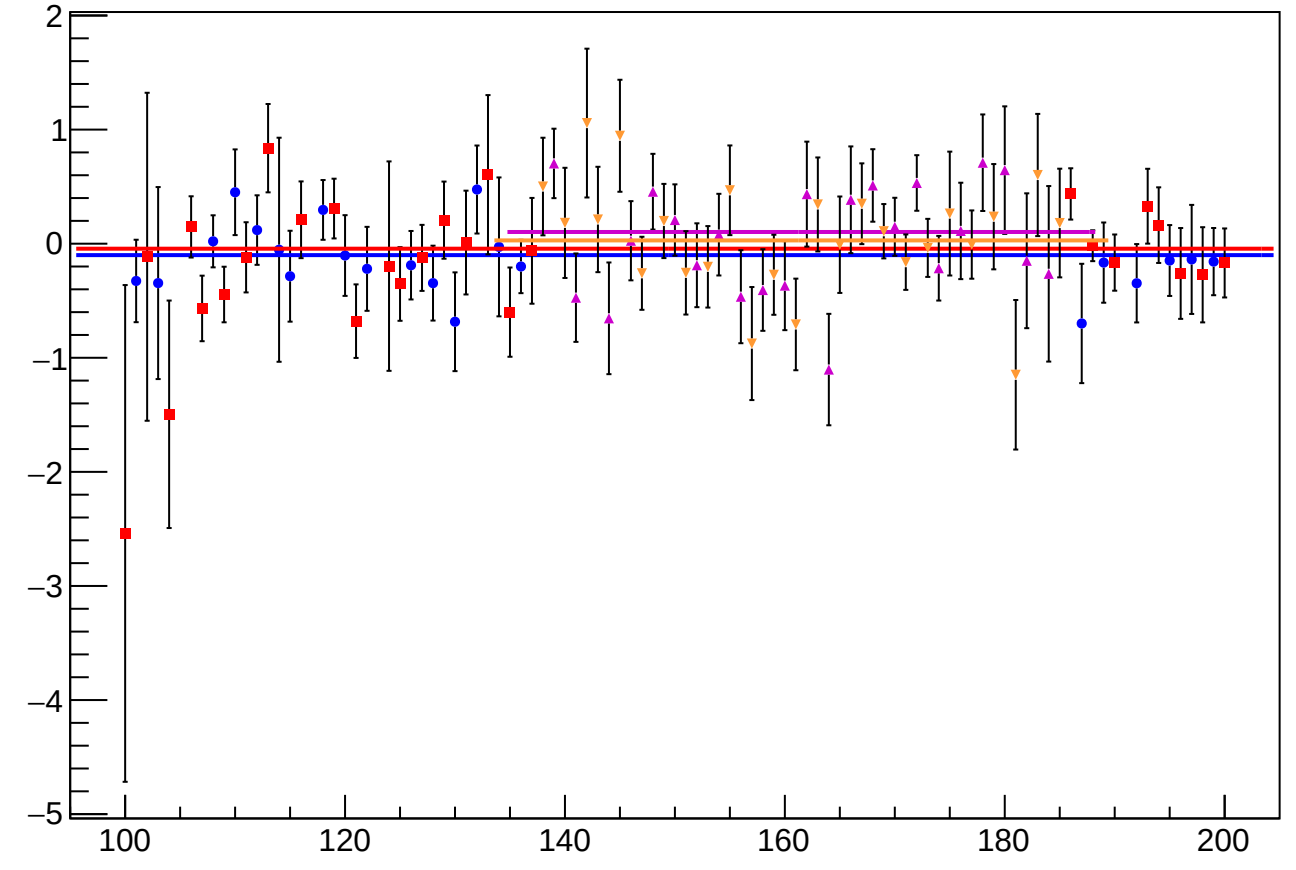
Right Out: 0.007+/-0.000 χ^2/NDF: 10970595.5/26

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 16778002.4/46

All: 0.008+/-0.000 χ^2/NDF: 34884949.4/96

- sign 0.008+/-0.000 χ^2/NDF: 17778168.3/49



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

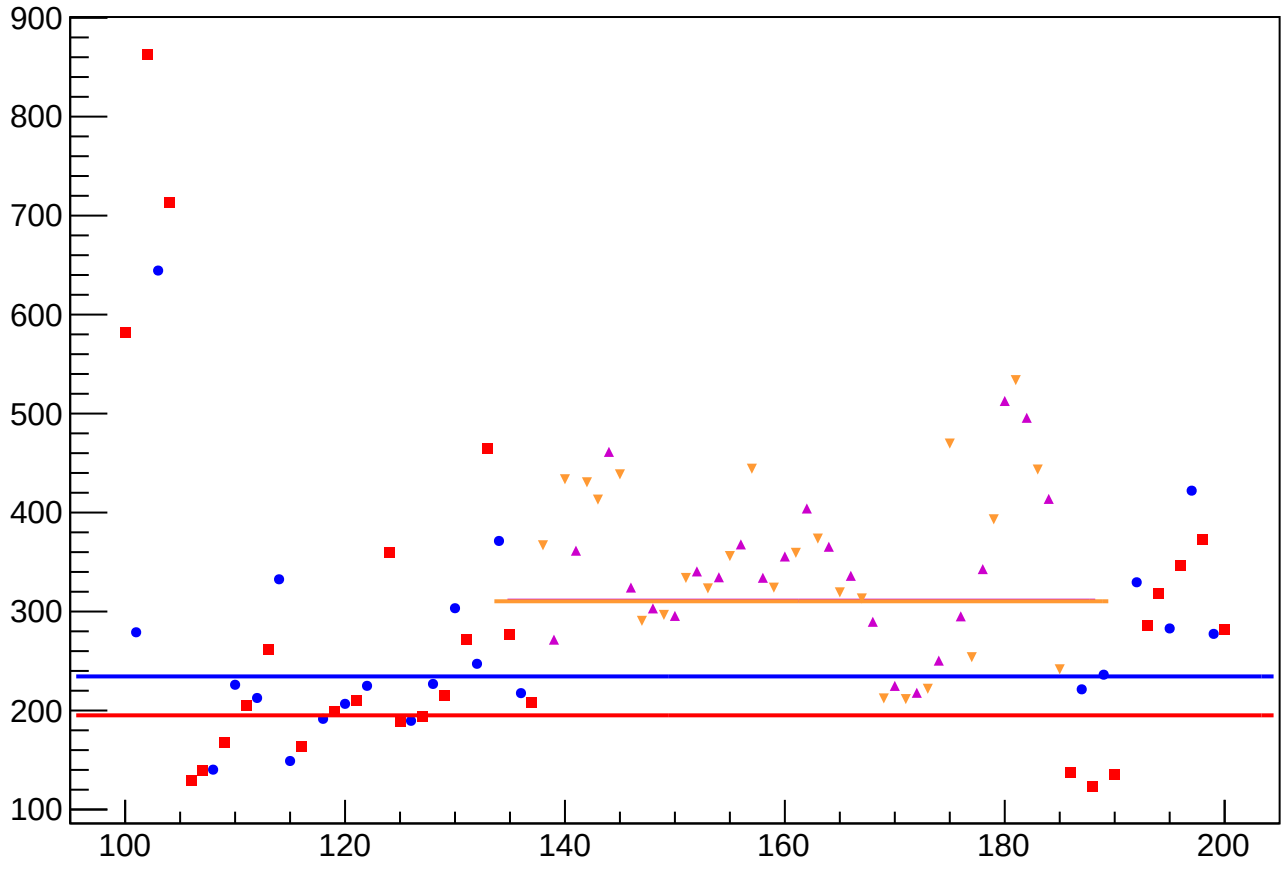
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.009+/-0.035 χ^2/NDF: 108.0/96

\- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

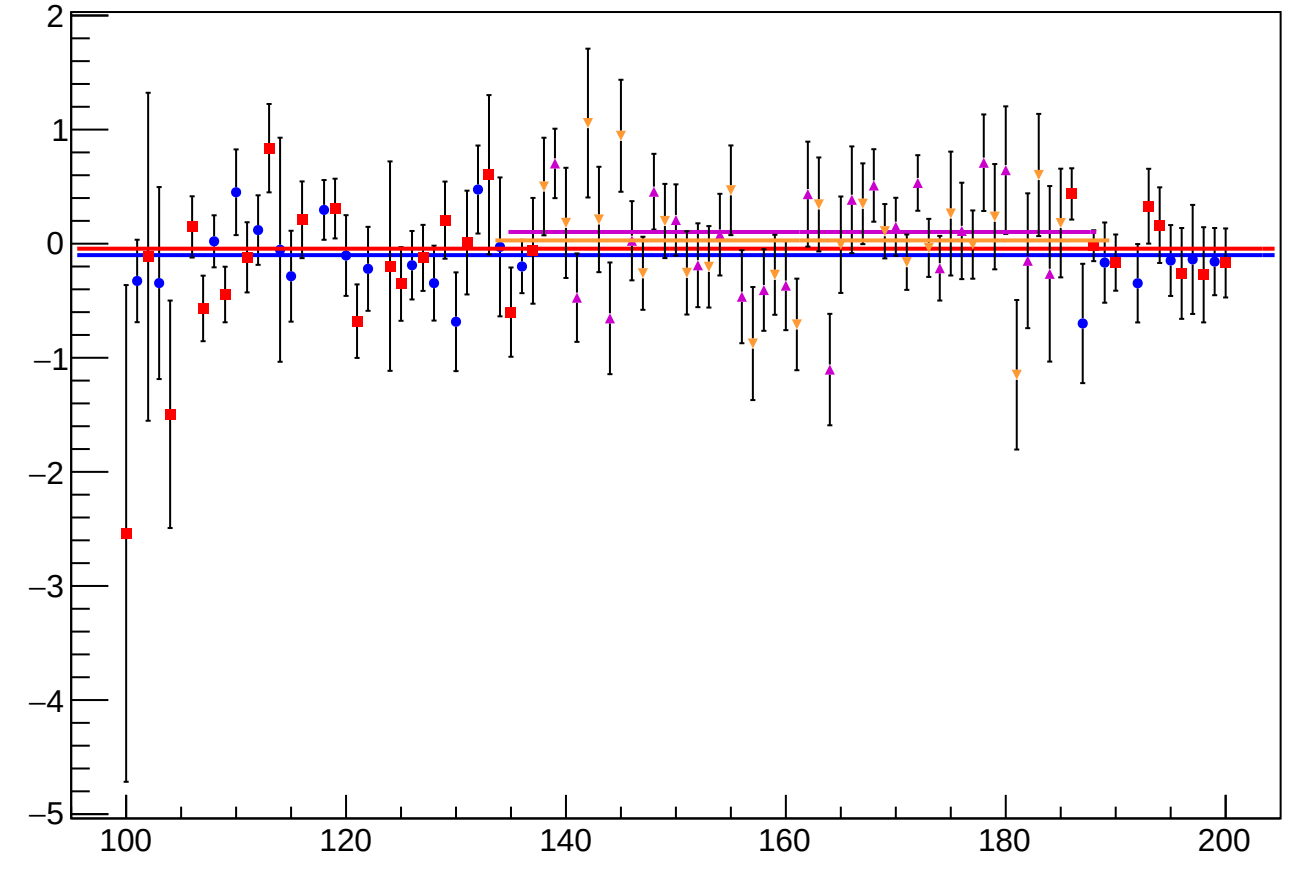
Right Out: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209305.9/46

All: 254.039+/-0.025 χ^2/NDF: 13998371.1/96

- sign 239.529+/-0.033 χ^2/NDF: 8366455.3/49



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

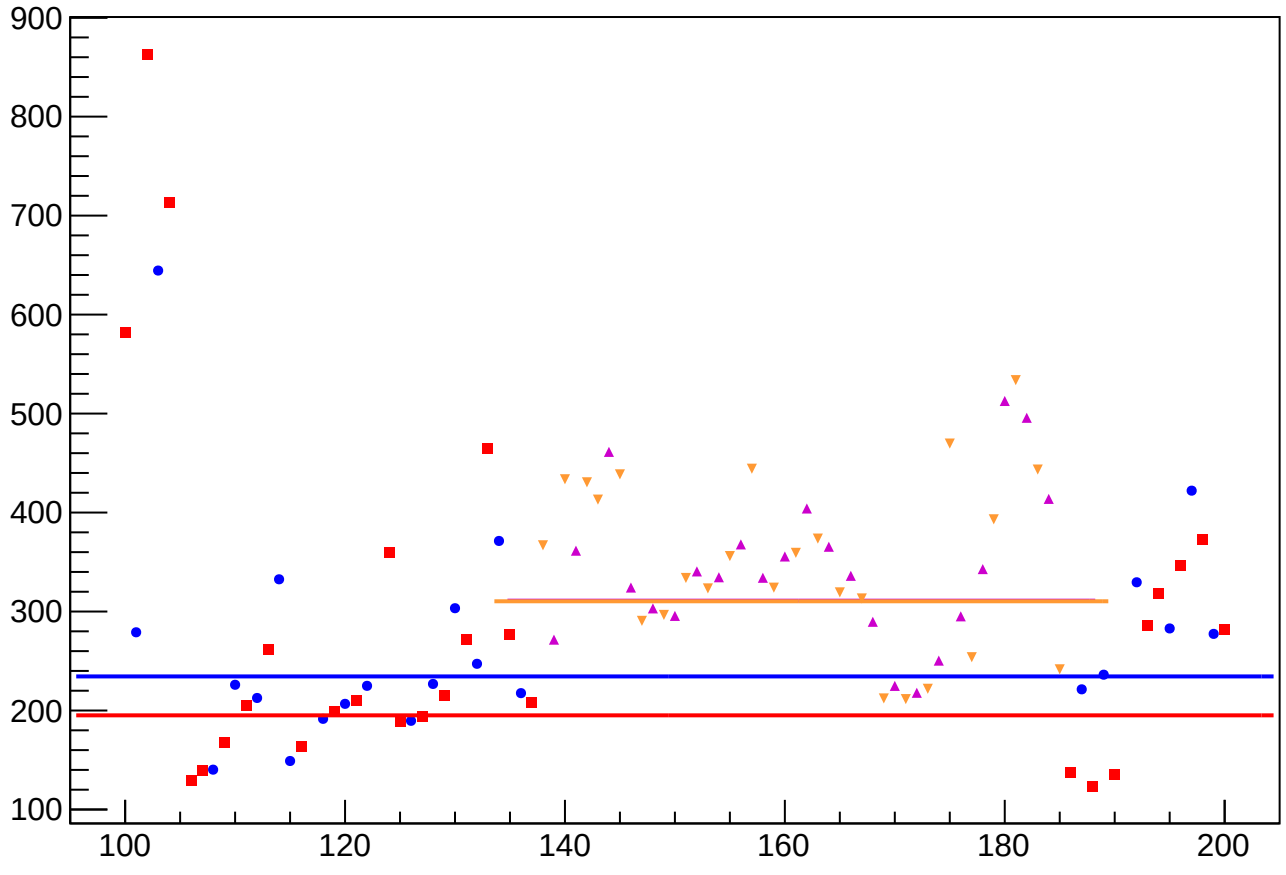
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.009+/-0.035 χ^2/NDF: 108.0/96

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

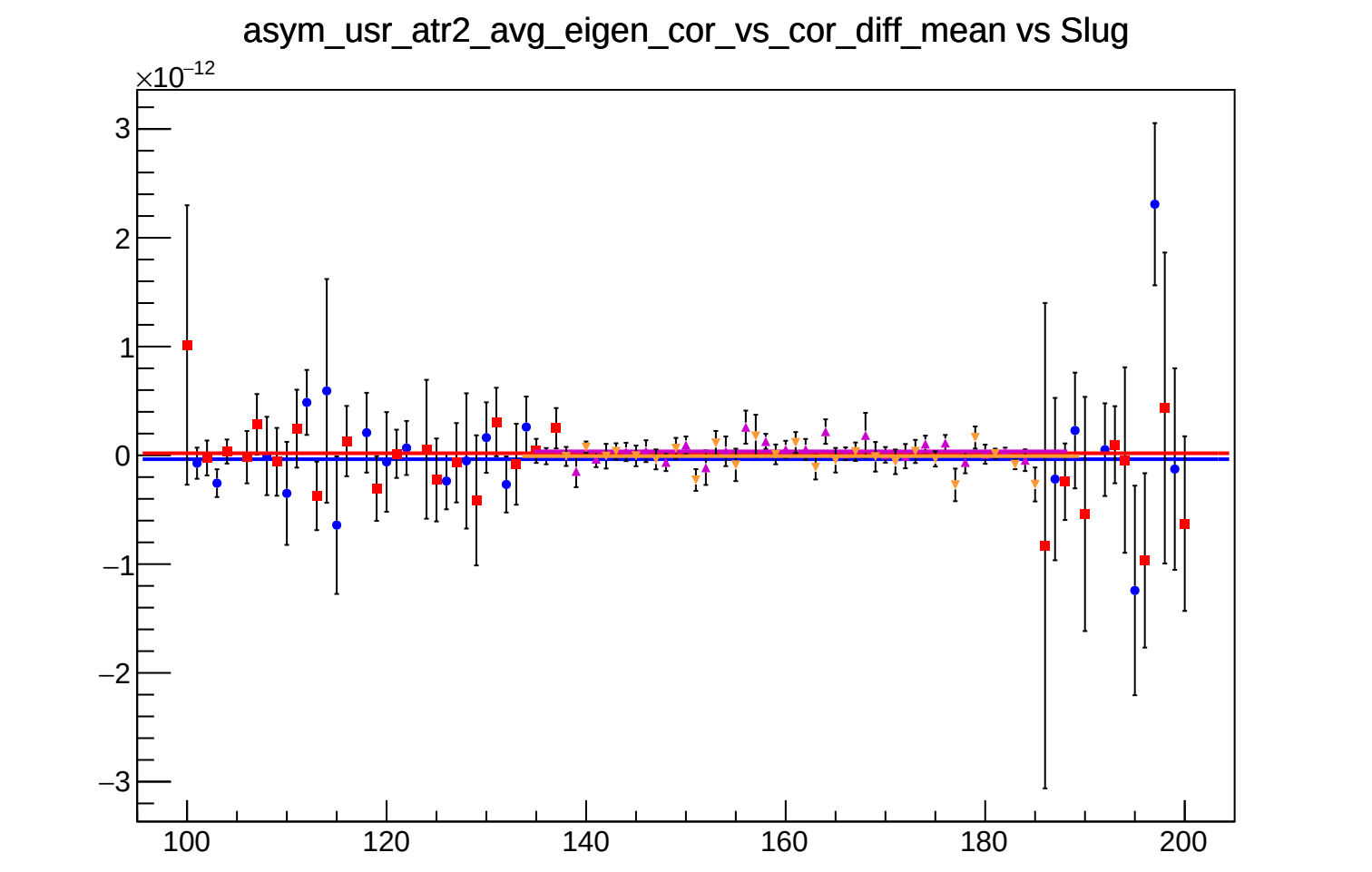
Right Out: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209305.9/46

All: 254.039+/-0.025 χ^2/NDF: 13998371.1/96

- sign 239.529+/-0.033 χ^2/NDF: 8366455.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

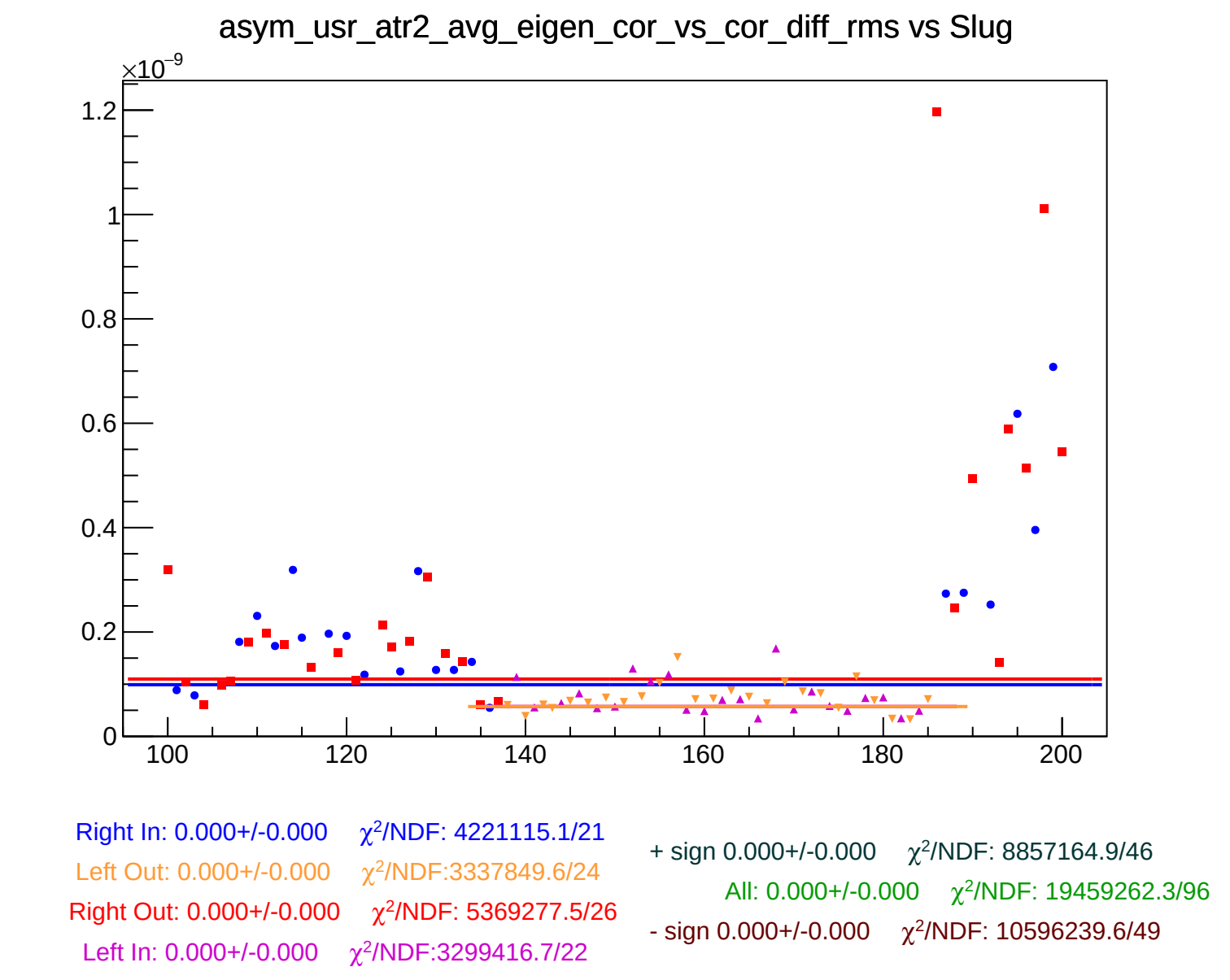
Right Out: 0.000+/-0.000 χ^2/NDF: 11.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

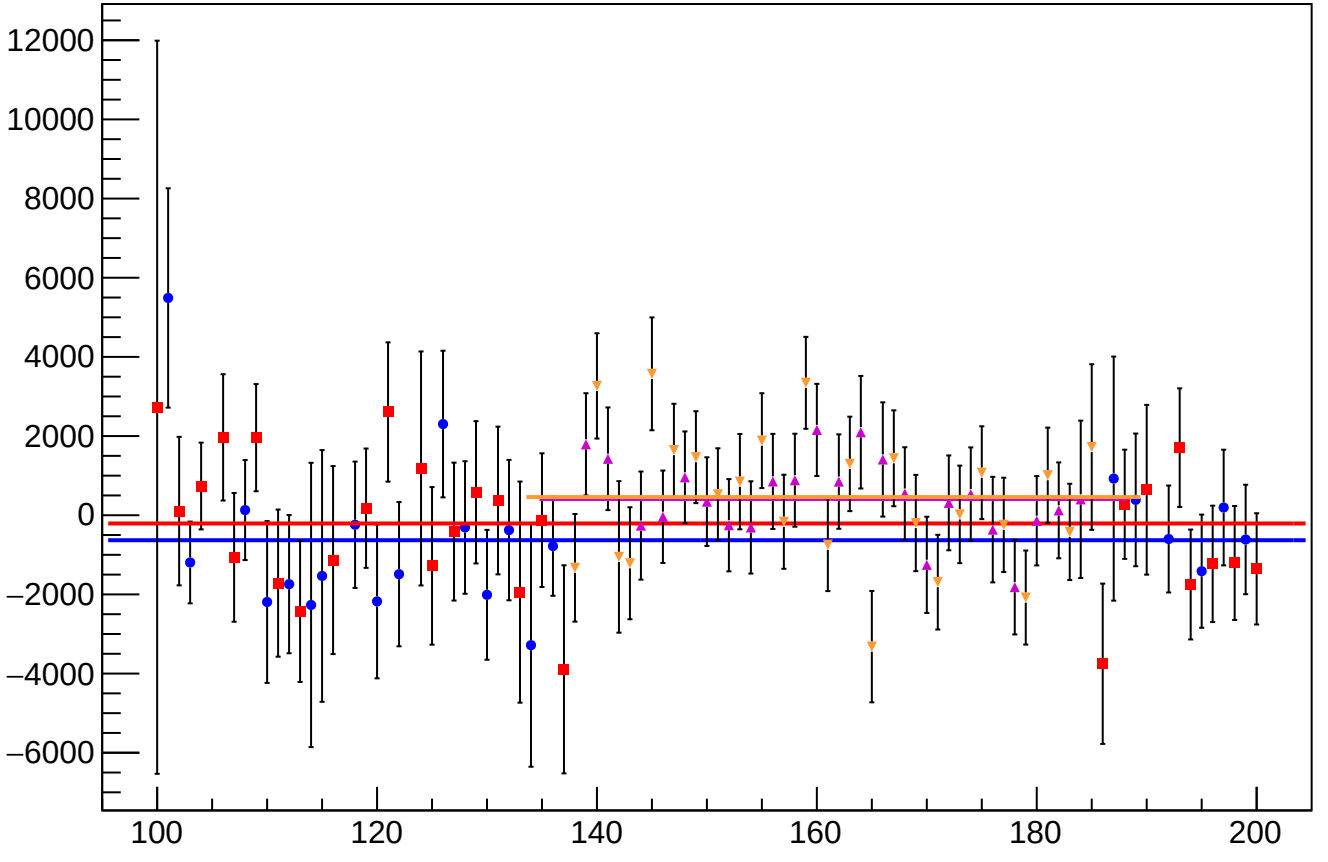
+ sign -0.000+/-0.000 χ^2/NDF: 49.4/46

All: 0.000+/-0.000 χ^2/NDF: 81.8/96

- sign 0.000+/-0.000 χ^2/NDF: 28.5/49


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4221115.1/21
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5369277.5/26
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
+ sign 0.000+/-0.000 χ²/NDF: 8857164.9/46
All: 0.000+/-0.000 χ²/NDF: 19459262.3/96
- sign 0.000+/-0.000 χ²/NDF: 10596239.6/49

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -631.094+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -208.003+/-327.732 χ^2/NDF: 21.6/26

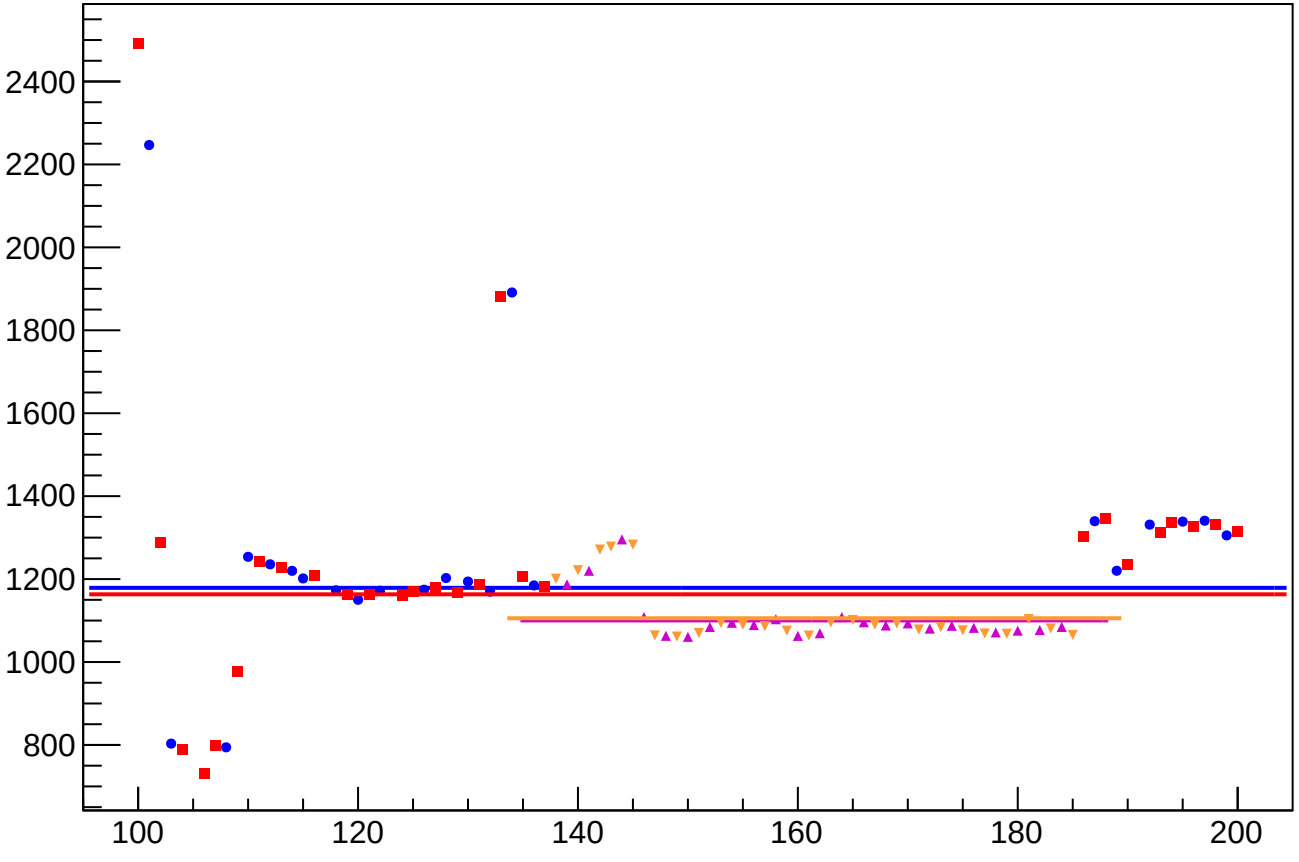
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 93.581+/-205.110 χ^2/NDF: 61.4/46

All: 134.962+/-144.043 χ^2/NDF: 98.9/96

- sign 175.230+/-202.333 χ^2/NDF: 37.4/49

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959232.4/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

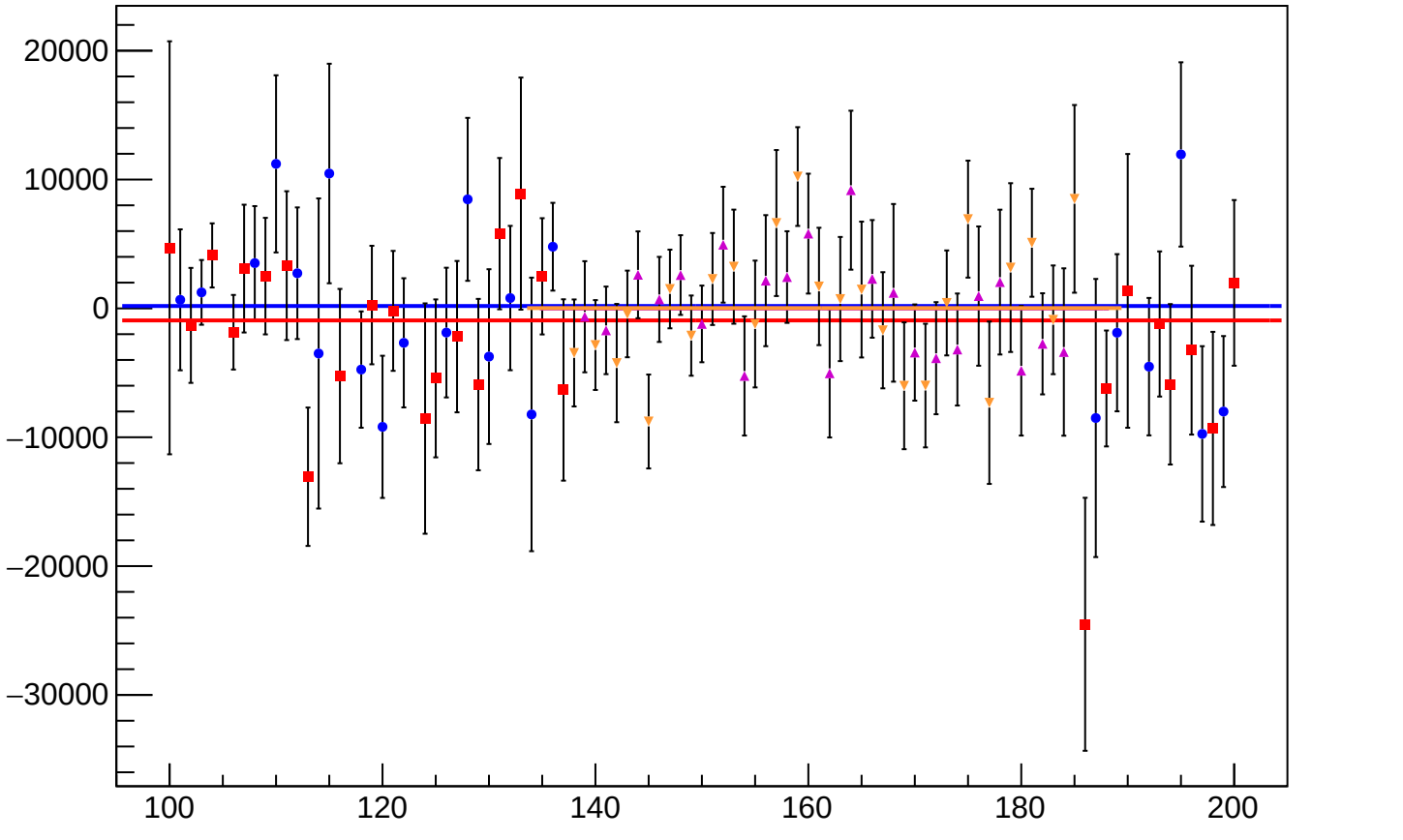
Right Out: 1163.265+/-0.231 χ^2/NDF: 917891.9/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138195.5/46

All: 1127.266+/-0.102 χ^2/NDF: 2183009.5/96

- sign 1124.487+/-0.143 χ^2/NDF: 1044044.4/49



Right In: 185.548+/-1118.778 χ^2/NDF: 22.5/21

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -933.227+/-1001.377 χ^2/NDF: 26.7/26

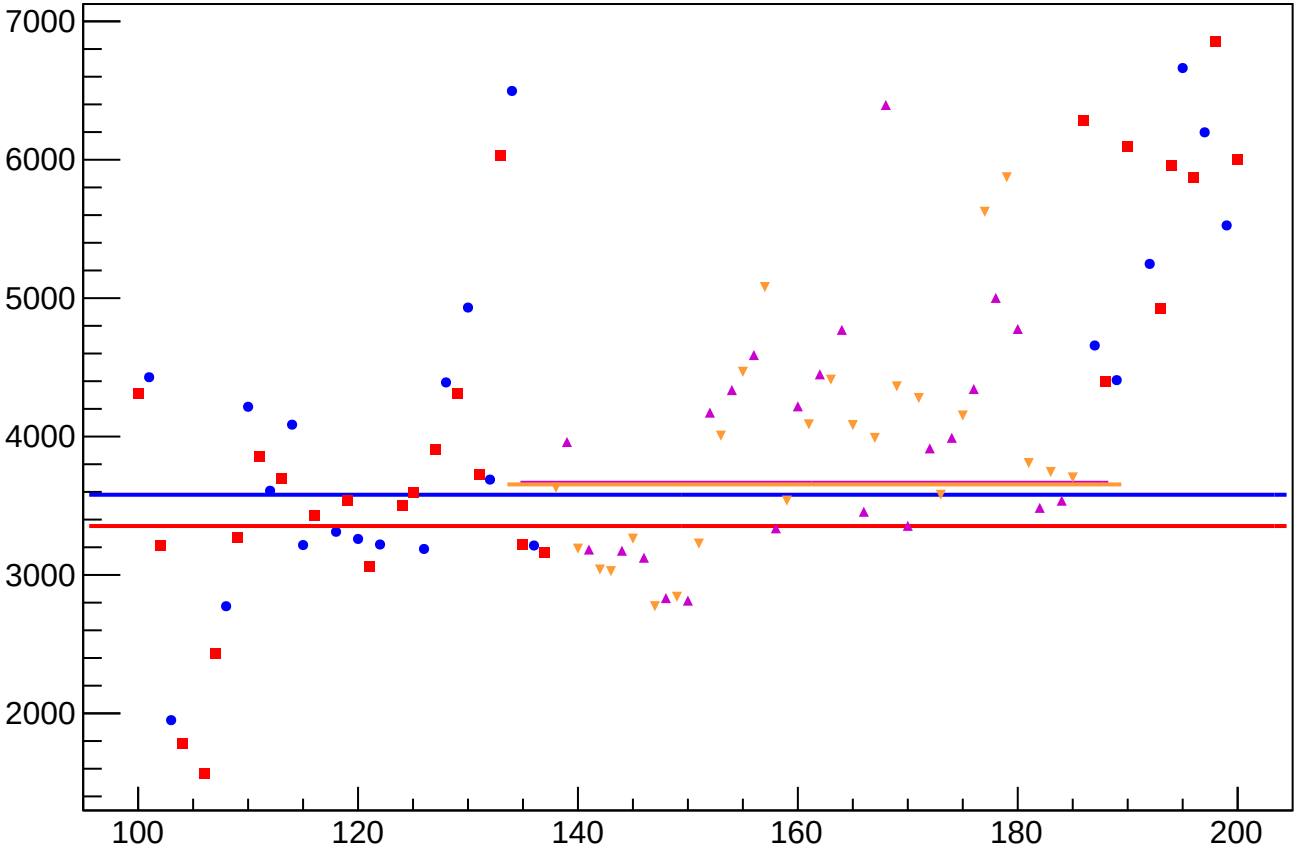
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 82.758+/-677.021 χ^2/NDF: 51.0/46

All: -169.113+/-472.228 χ^2/NDF: 92.5/96

- sign -407.758+/-659.006 χ^2/NDF: 41.2/49

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3579.553+/-0.791 χ^2/NDF: 2443797.0/21

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3353.550+/-0.708 χ^2/NDF: 3922266.6/26

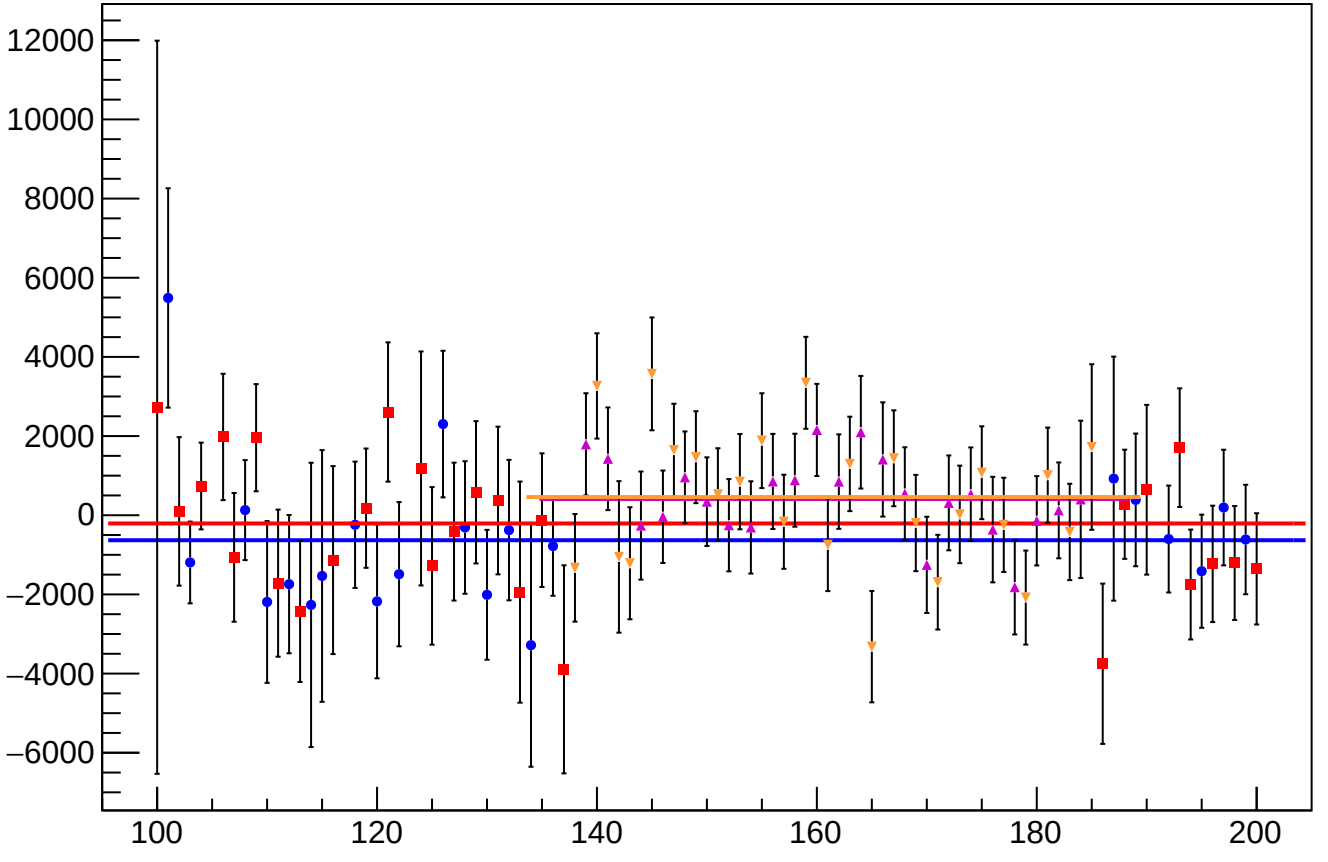
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3626.863+/-0.479 χ^2/NDF: 3761201.4/46

All: 3577.509+/-0.334 χ^2/NDF: 9158343.3/96

- sign 3530.746+/-0.466 χ^2/NDF: 5376442.8/49

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -207.817+/-327.734 χ^2/NDF: 21.6/26

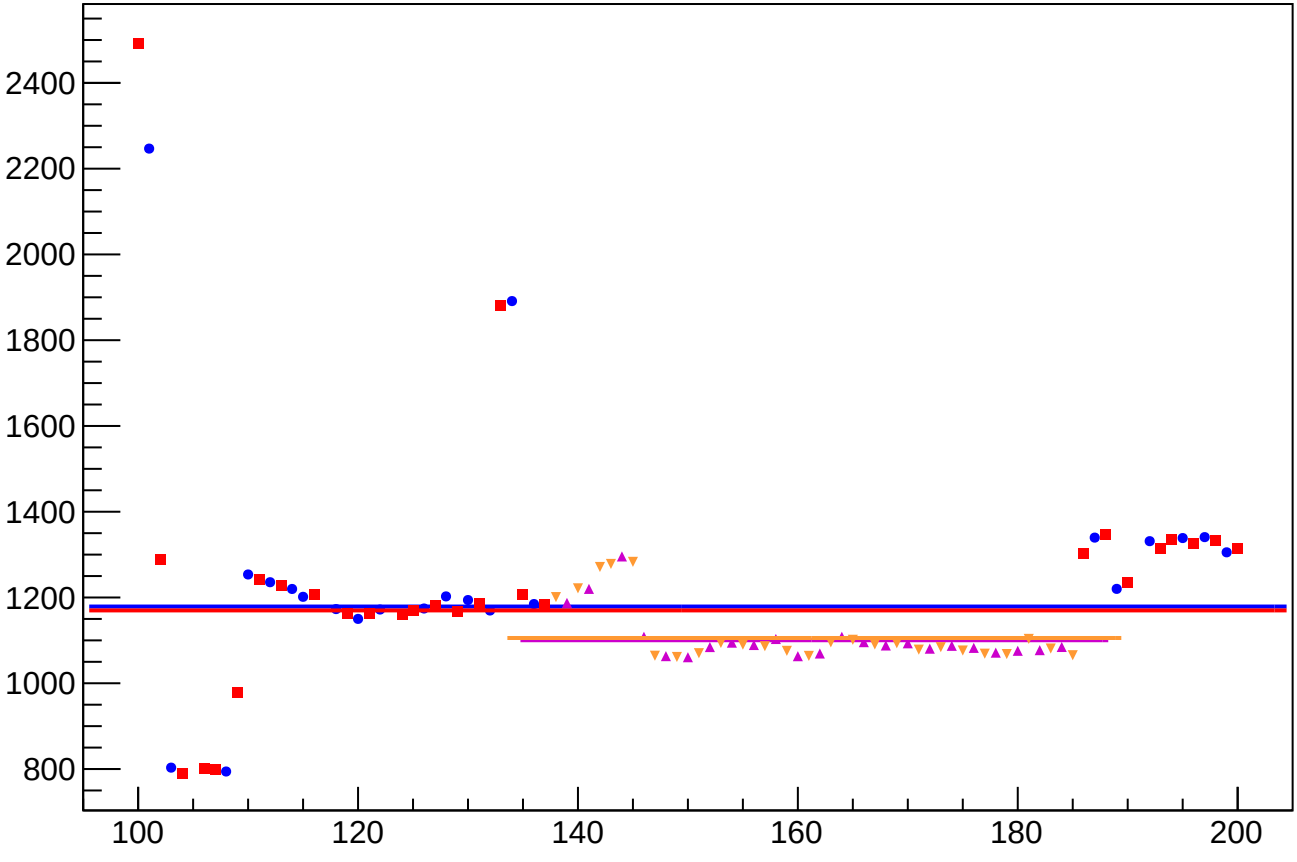
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 93.621+/-205.110 χ^2/NDF: 61.4/46

All: 134.988+/-144.043 χ^2/NDF: 98.9/96

- sign 175.243+/-202.333 χ^2/NDF: 37.5/49

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

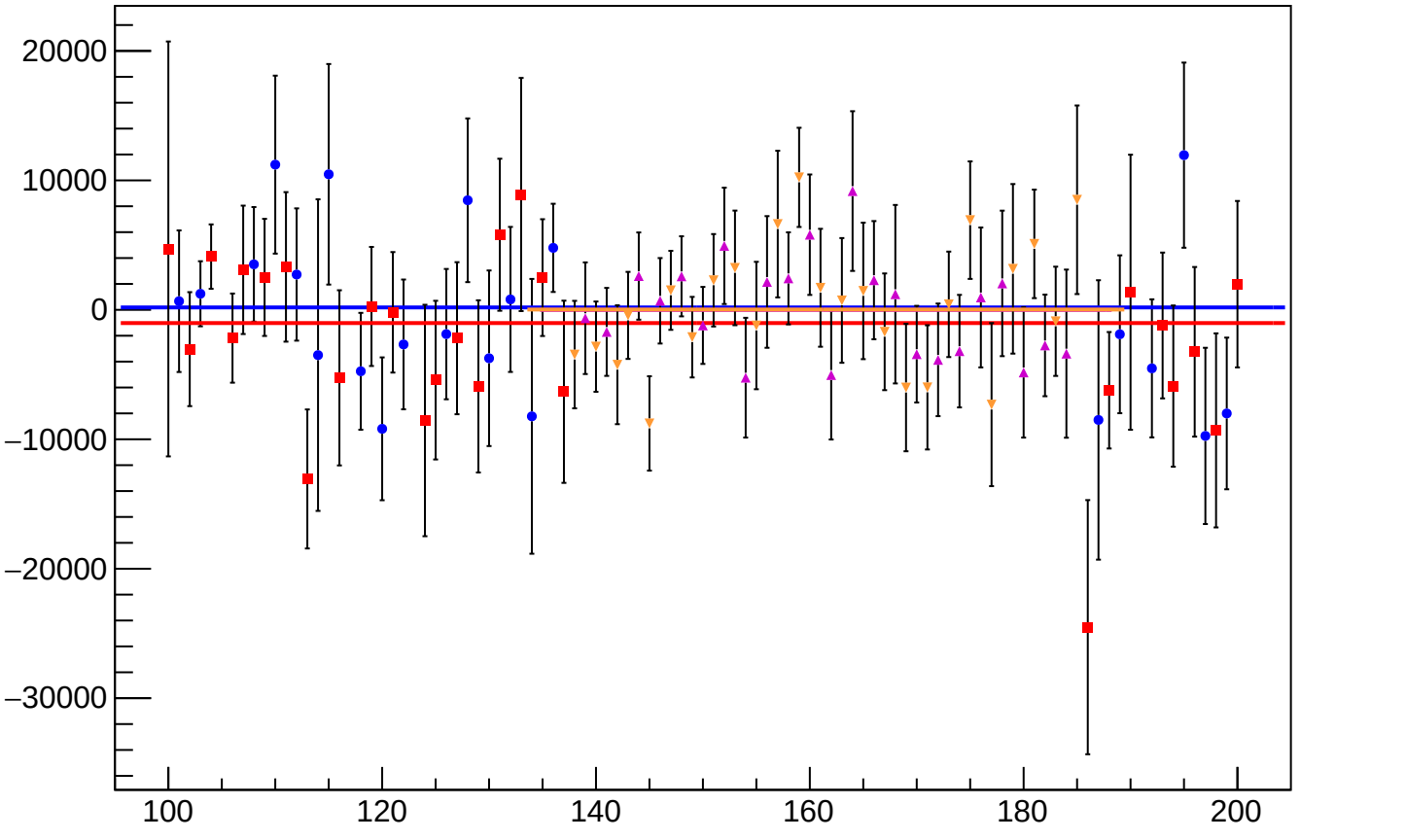
Right Out: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138191.9/46

All: 1128.490+/-0.102 χ^2/NDF: 2117274.8/96

- sign 1126.893+/-0.143 χ^2/NDF: 978829.9/49



Right In: 185.059+/-1118.815 χ^2/NDF: 22.5/21

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1021.988+/-1018.702 χ^2/NDF: 26.9/26

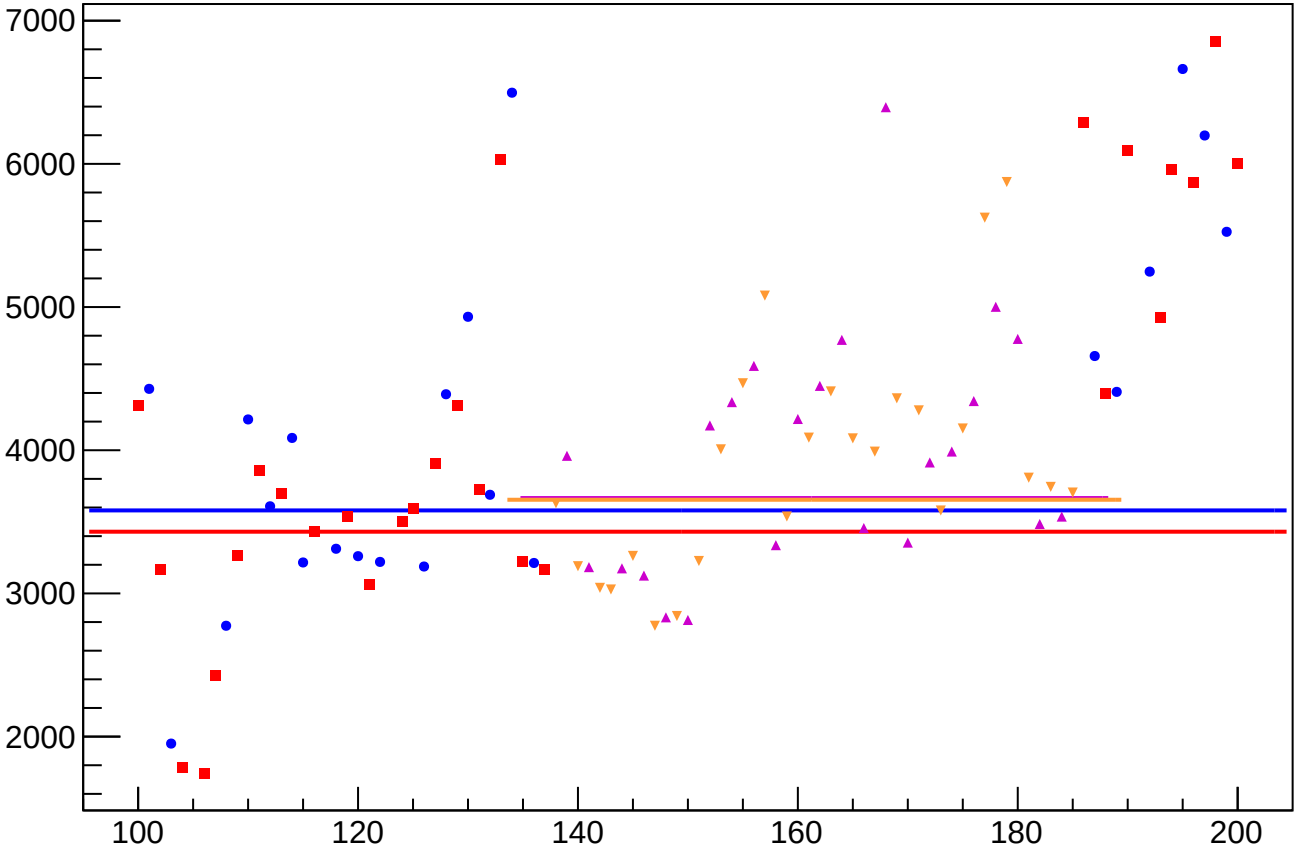
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 82.574+/-677.029 χ^2/NDF: 51.0/46

All: -182.664+/-474.012 χ^2/NDF: 92.9/96

- sign -437.695+/-663.872 χ^2/NDF: 41.5/49

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

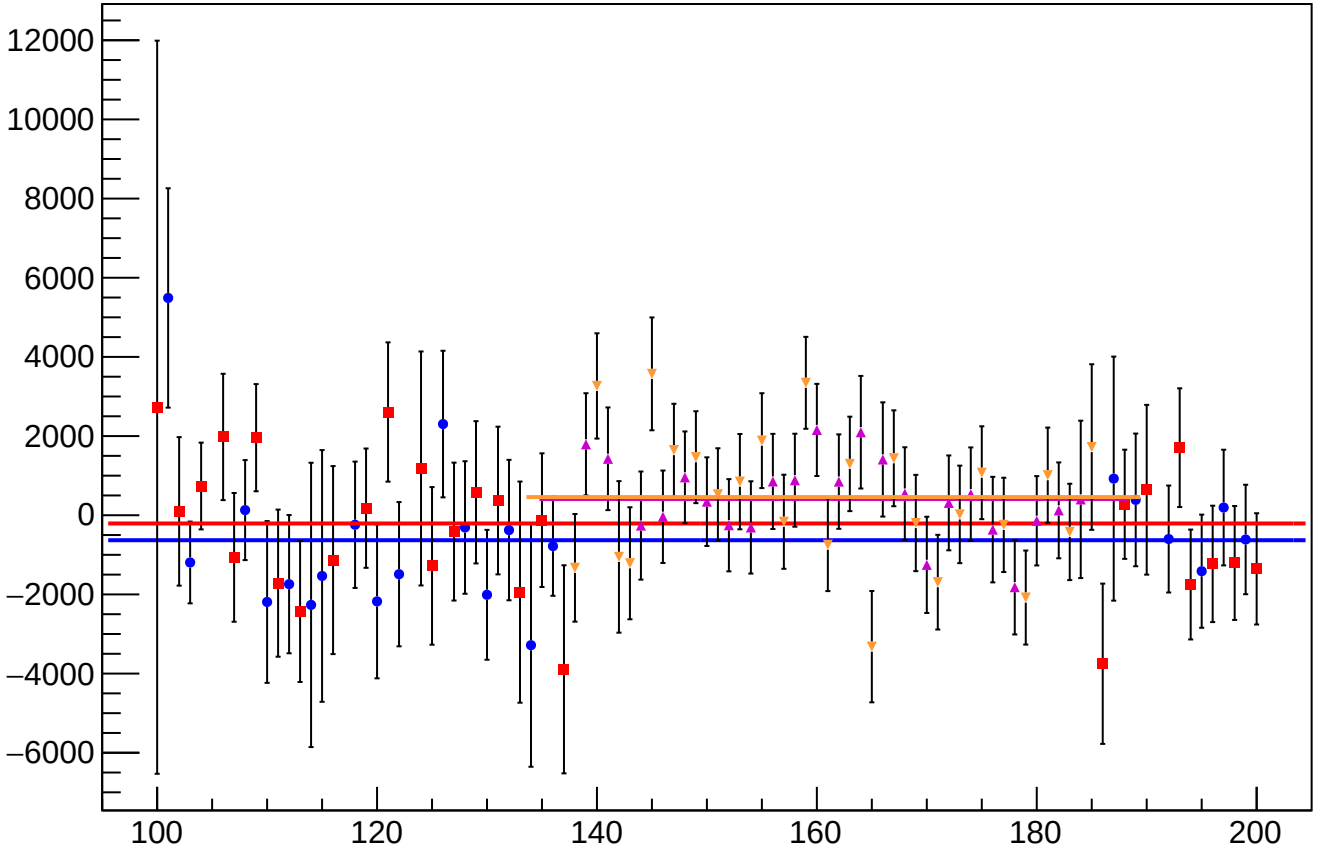
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3626.928+/-0.479 χ^2/NDF: 3760530.7/46

All: 3596.009+/-0.335 χ^2/NDF: 8760686.6/96

- sign 3566.280+/-0.469 χ^2/NDF: 4991973.9/49

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -207.817+/-327.734 χ^2/NDF: 21.6/26

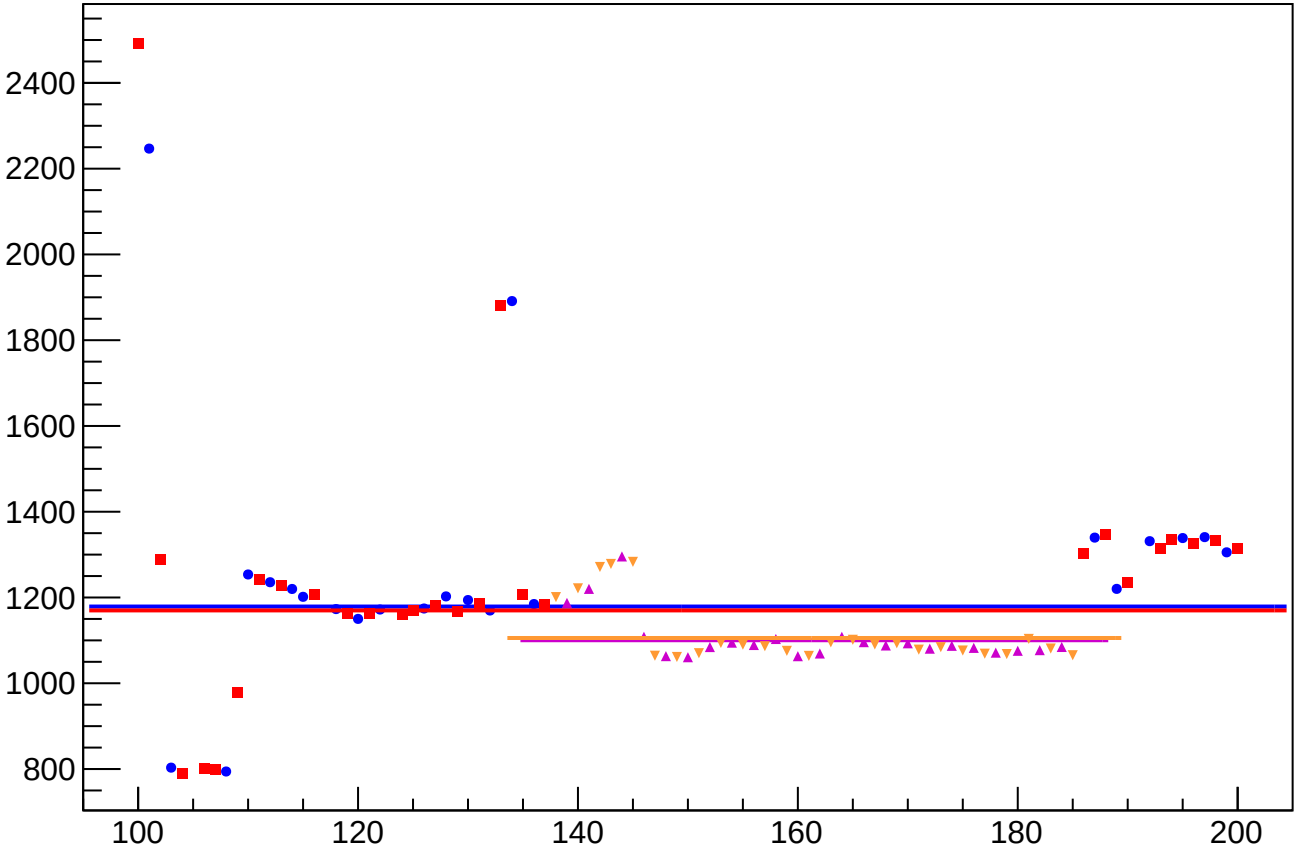
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 93.621+/-205.110 χ^2/NDF: 61.4/46

All: 134.988+/-144.043 χ^2/NDF: 98.9/96

- sign 175.243+/-202.333 χ^2/NDF: 37.5/49

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

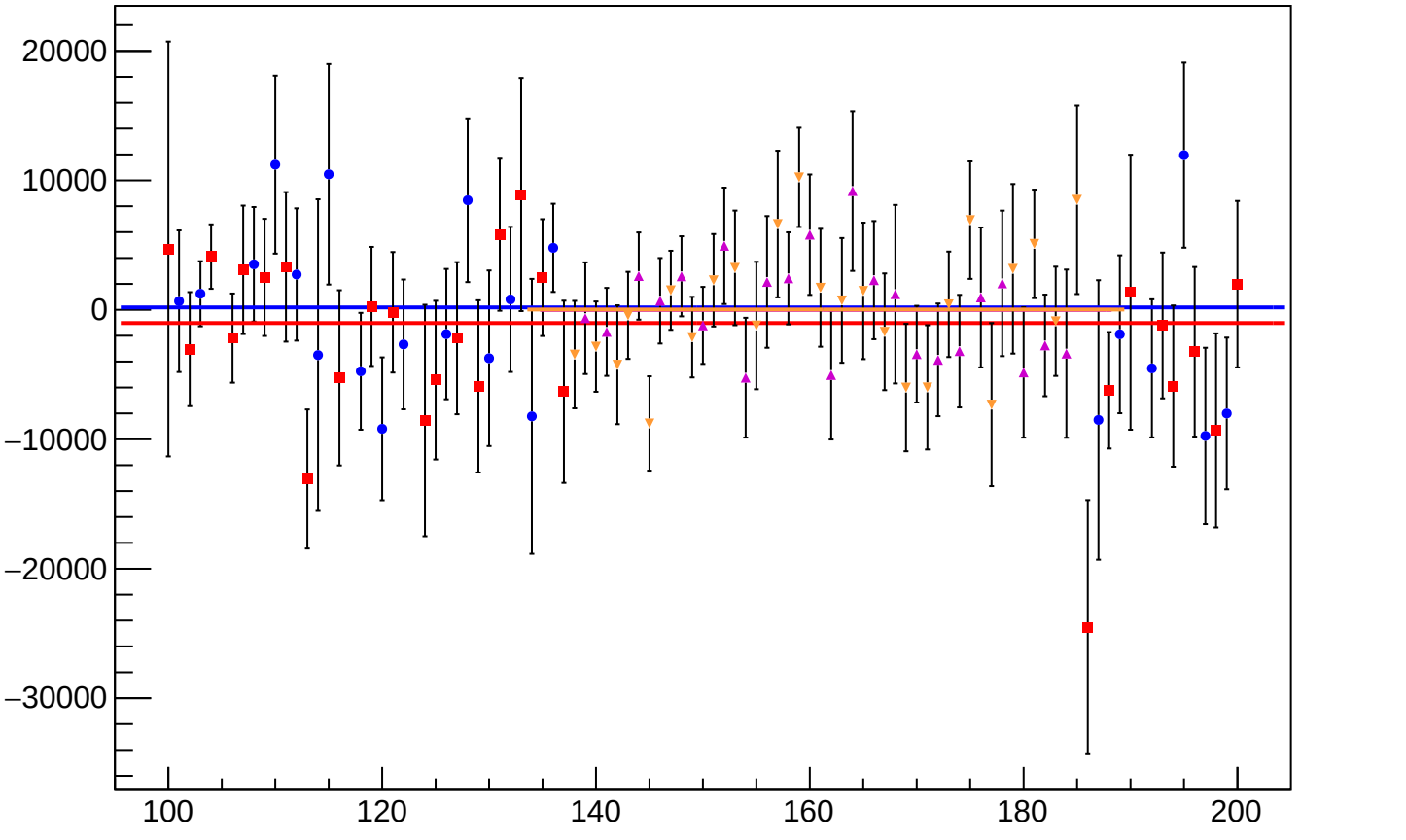
Right Out: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138191.9/46

All: 1128.490+/-0.102 χ^2/NDF: 2117274.8/96

- sign 1126.893+/-0.143 χ^2/NDF: 978829.9/49



Right In: 185.059+/-1118.815 χ^2/NDF: 22.5/21

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1021.988+/-1018.702 χ^2/NDF: 26.9/26

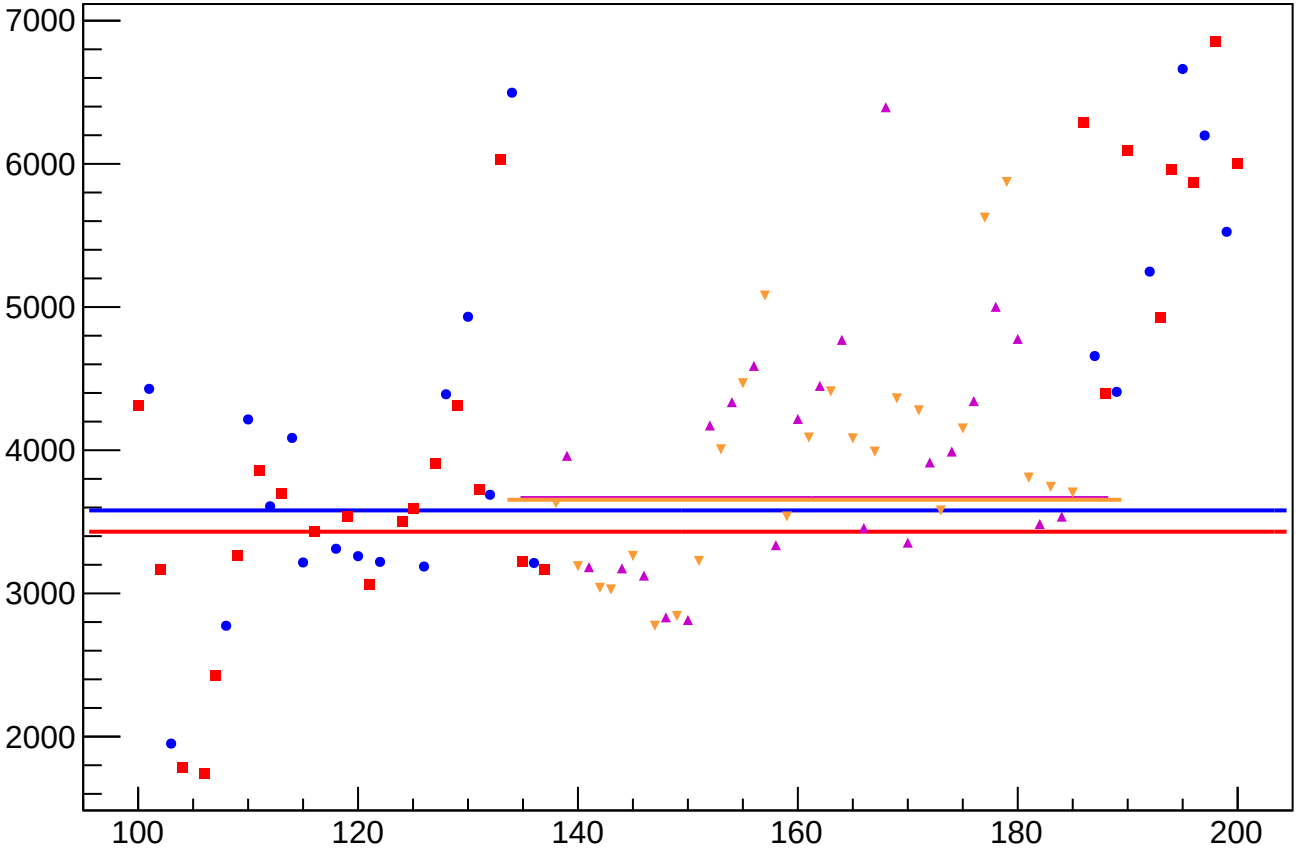
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 82.574+/-677.029 χ^2/NDF: 51.0/46

All: -182.664+/-474.012 χ^2/NDF: 92.9/96

- sign -437.695+/-663.872 χ^2/NDF: 41.5/49

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

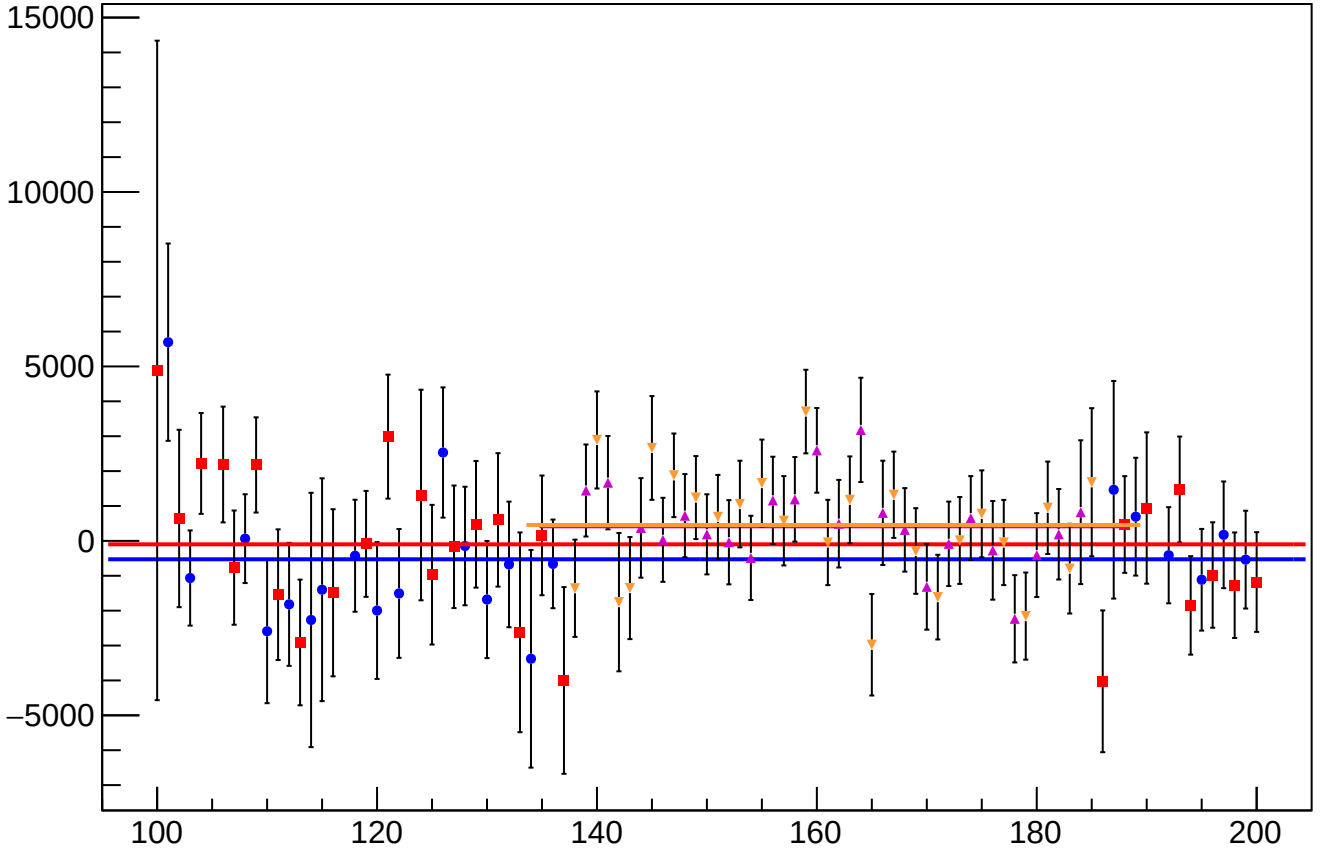
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3626.928+/-0.479 χ^2/NDF: 3760530.7/46

All: 3596.009+/-0.335 χ^2/NDF: 8760686.6/96

- sign 3566.280+/-0.469 χ^2/NDF: 4991973.9/49

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -527.419+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -98.418+/-341.477 χ^2/NDF: 26.0/26

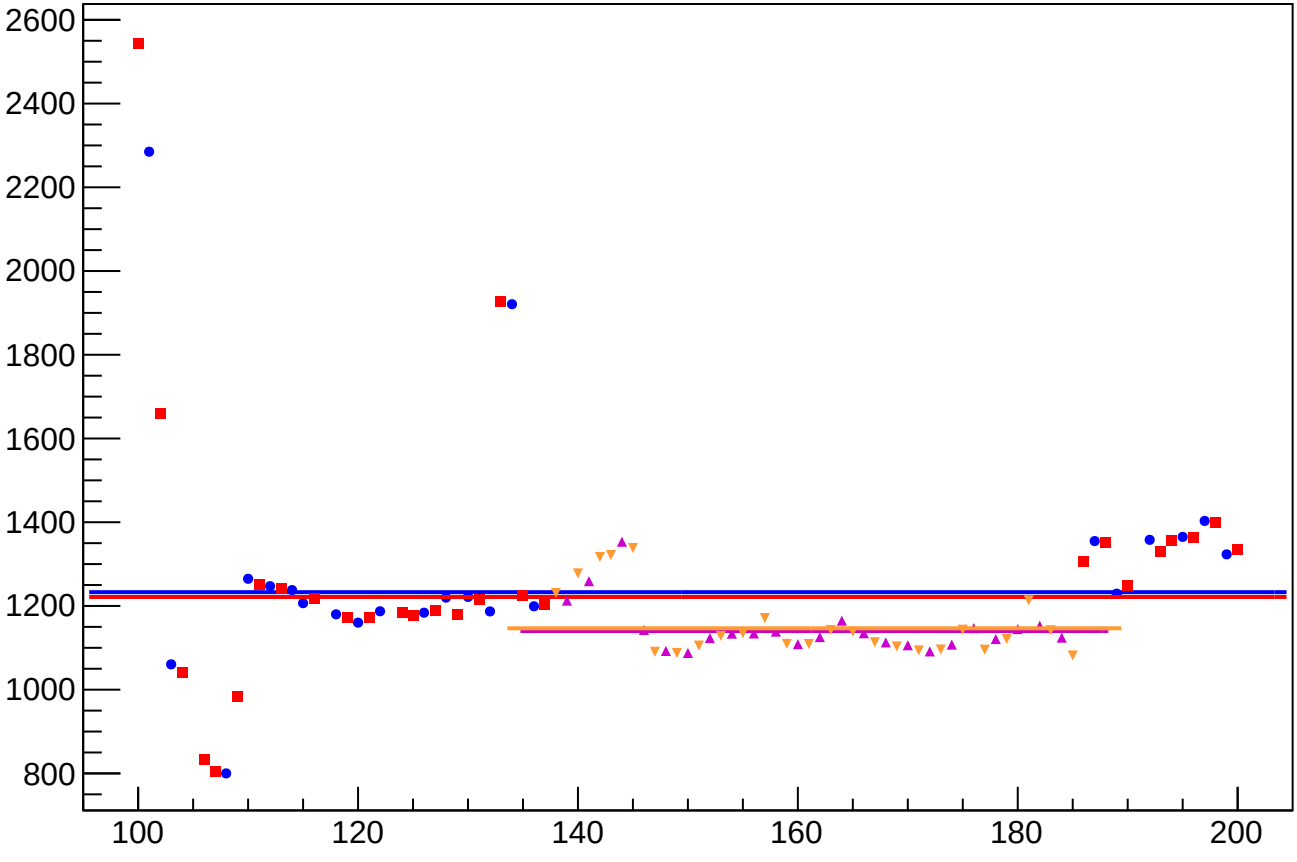
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 127.416+/-213.015 χ^2/NDF: 54.2/46

All: 175.328+/-149.595 χ^2/NDF: 99.0/96

- sign 221.952+/-210.132 χ^2/NDF: 44.7/49

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1232.886+/-0.261 χ^2/NDF: 717761.5/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1221.411+/-0.241 χ^2/NDF: 668997.0/26

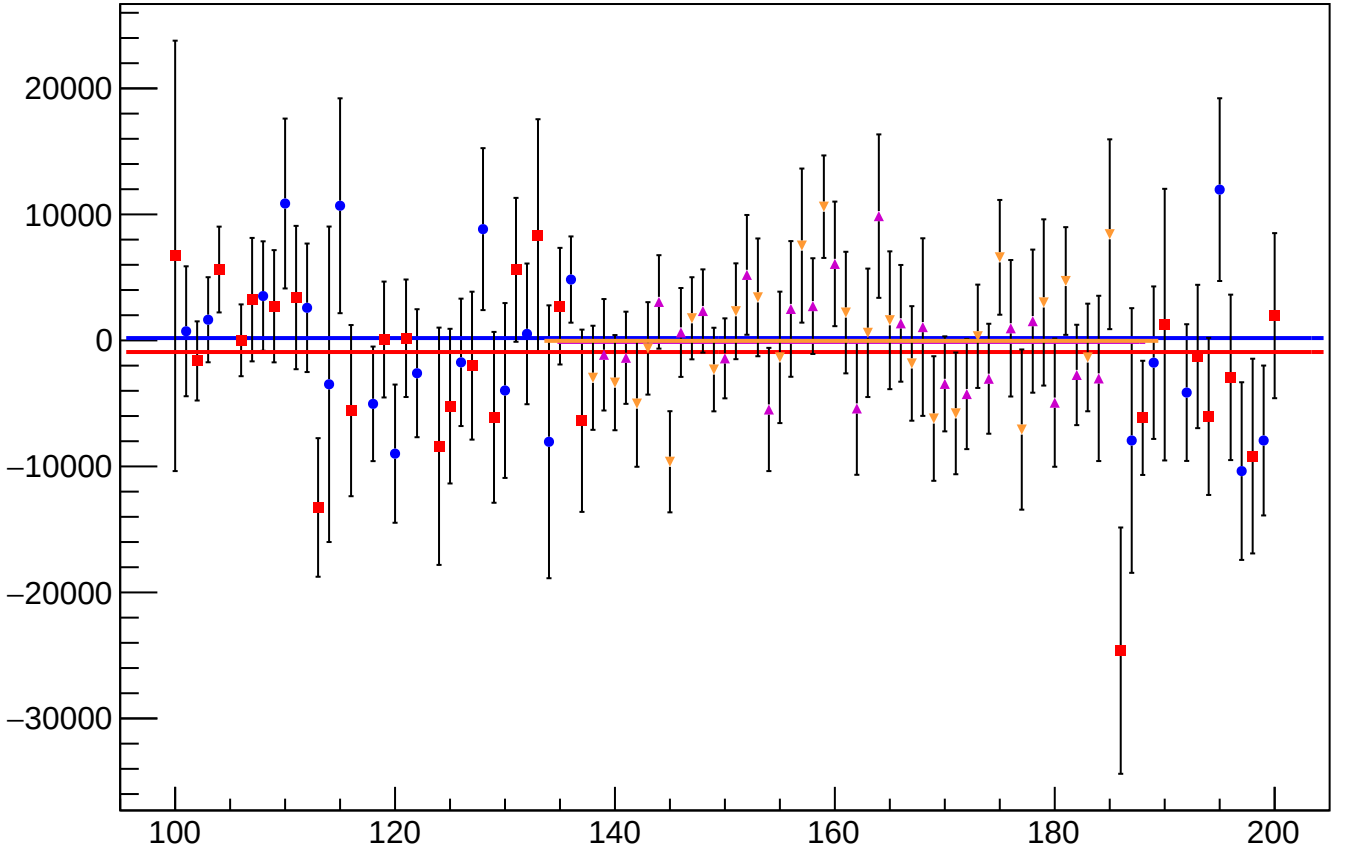
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1175.423+/-0.151 χ^2/NDF: 931745.1/46

All: 1173.152+/-0.106 χ^2/NDF: 1756292.7/96

- sign 1170.943+/-0.149 χ^2/NDF: 824099.3/49

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 186.132+/-1172.600 χ^2/NDF: 22.4/21

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -921.243+/-1015.437 χ^2/NDF: 26.2/26

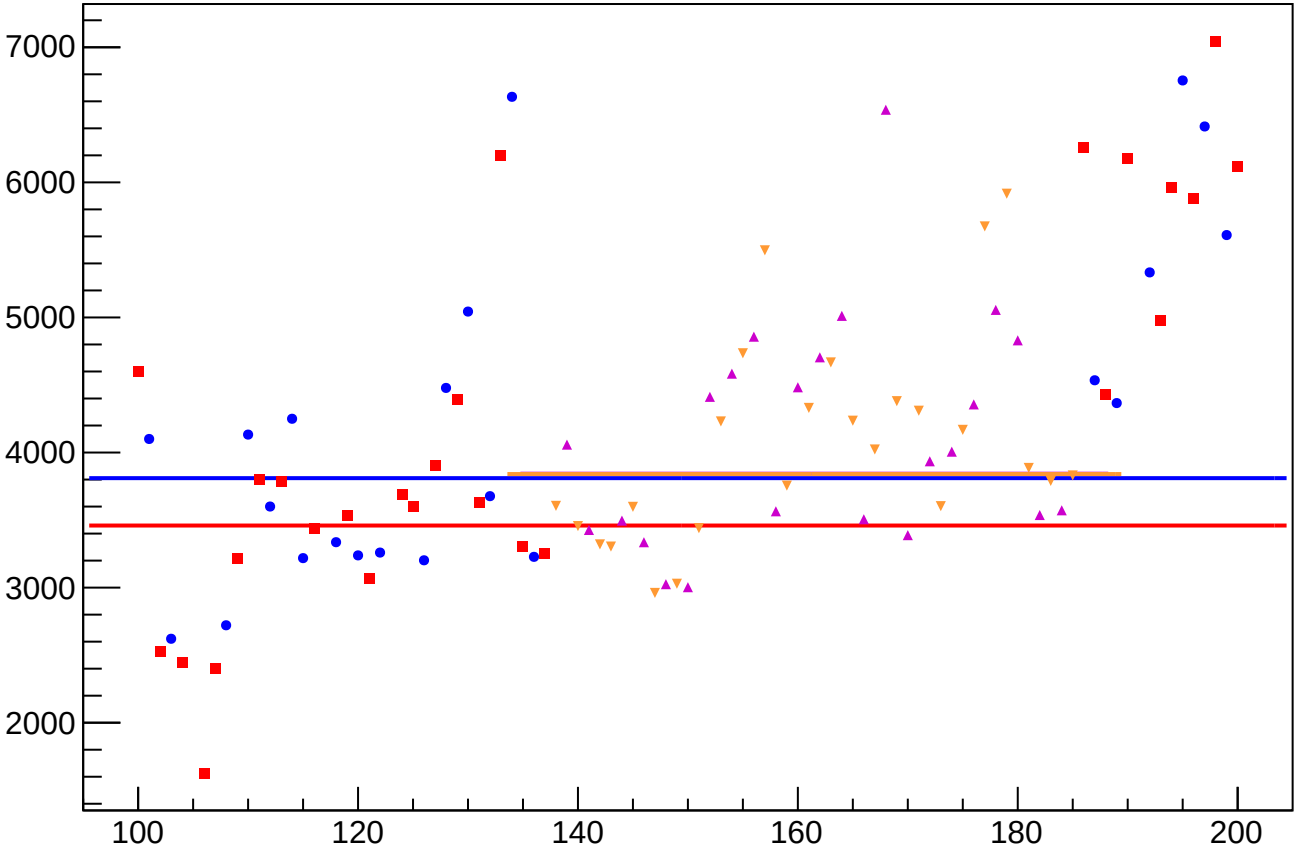
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 46.904+/-709.619 χ^2/NDF: 50.1/46

All: -227.725+/-490.984 χ^2/NDF: 90.8/96

- sign -479.936+/-680.039 χ^2/NDF: 40.3/49

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3810.428+/-0.829 χ^2/NDF: 1745759.3/21

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3459.631+/-0.718 χ^2/NDF: 3435672.5/26

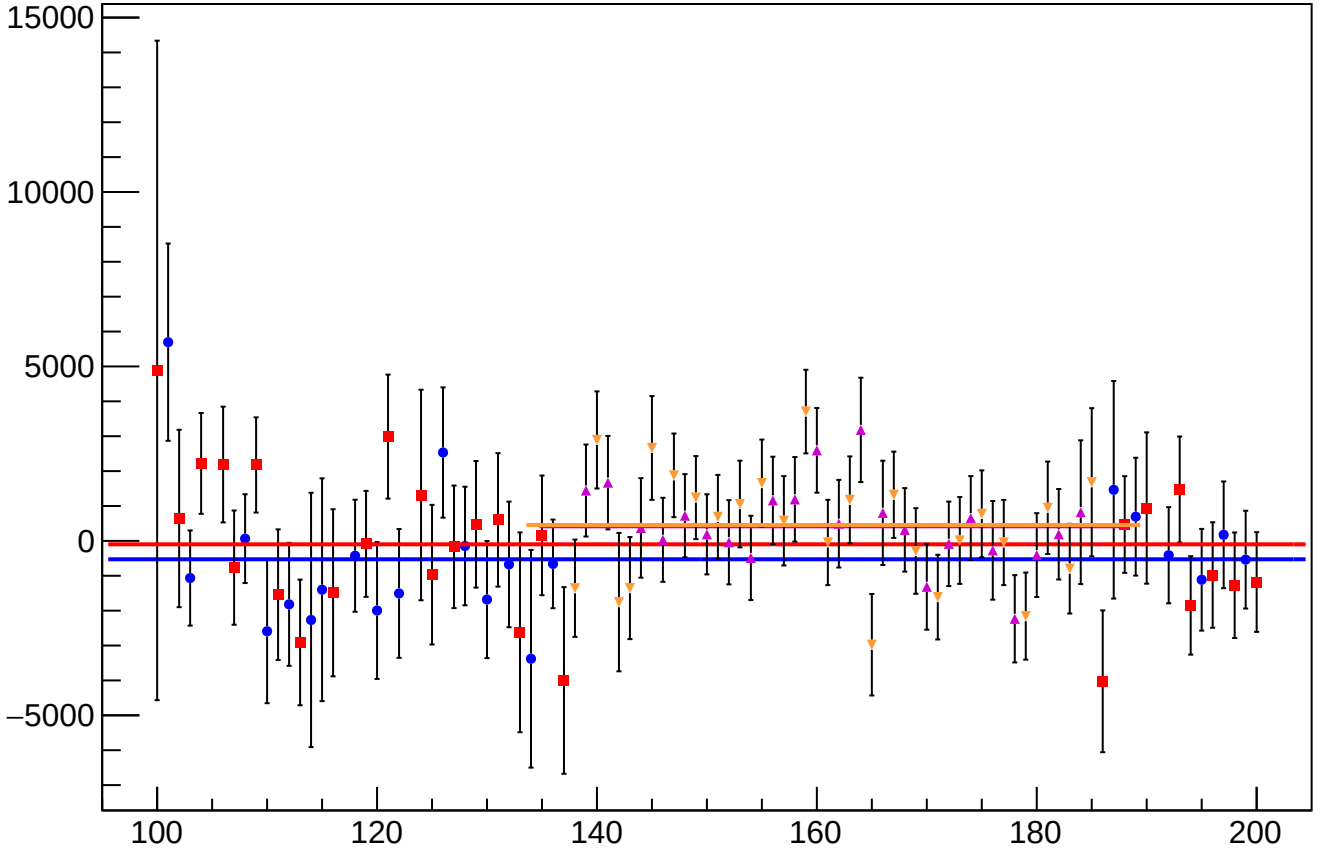
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3829.696+/-0.502 χ^2/NDF: 2865278.0/46

All: 3747.097+/-0.347 χ^2/NDF: 7706479.0/96

- sign 3671.241+/-0.481 χ^2/NDF: 4789218.2/49

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -527.423+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -98.414+/-341.477 χ^2/NDF: 26.0/26

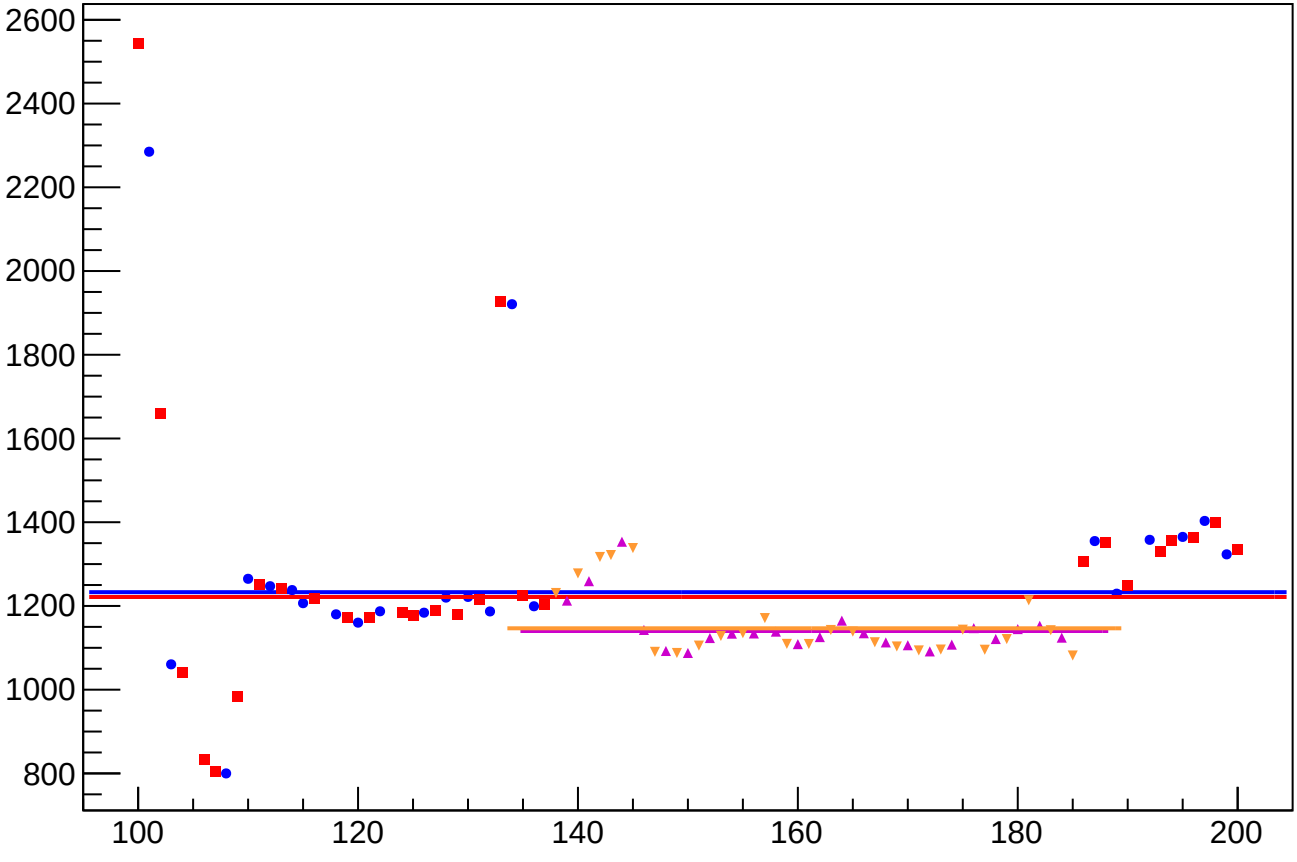
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 127.418+/-213.015 χ^2/NDF: 54.2/46

All: 175.329+/-149.595 χ^2/NDF: 99.0/96

- sign 221.953+/-210.132 χ^2/NDF: 44.7/49

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1232.886+/-0.261 χ^2/NDF: 717762.0/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

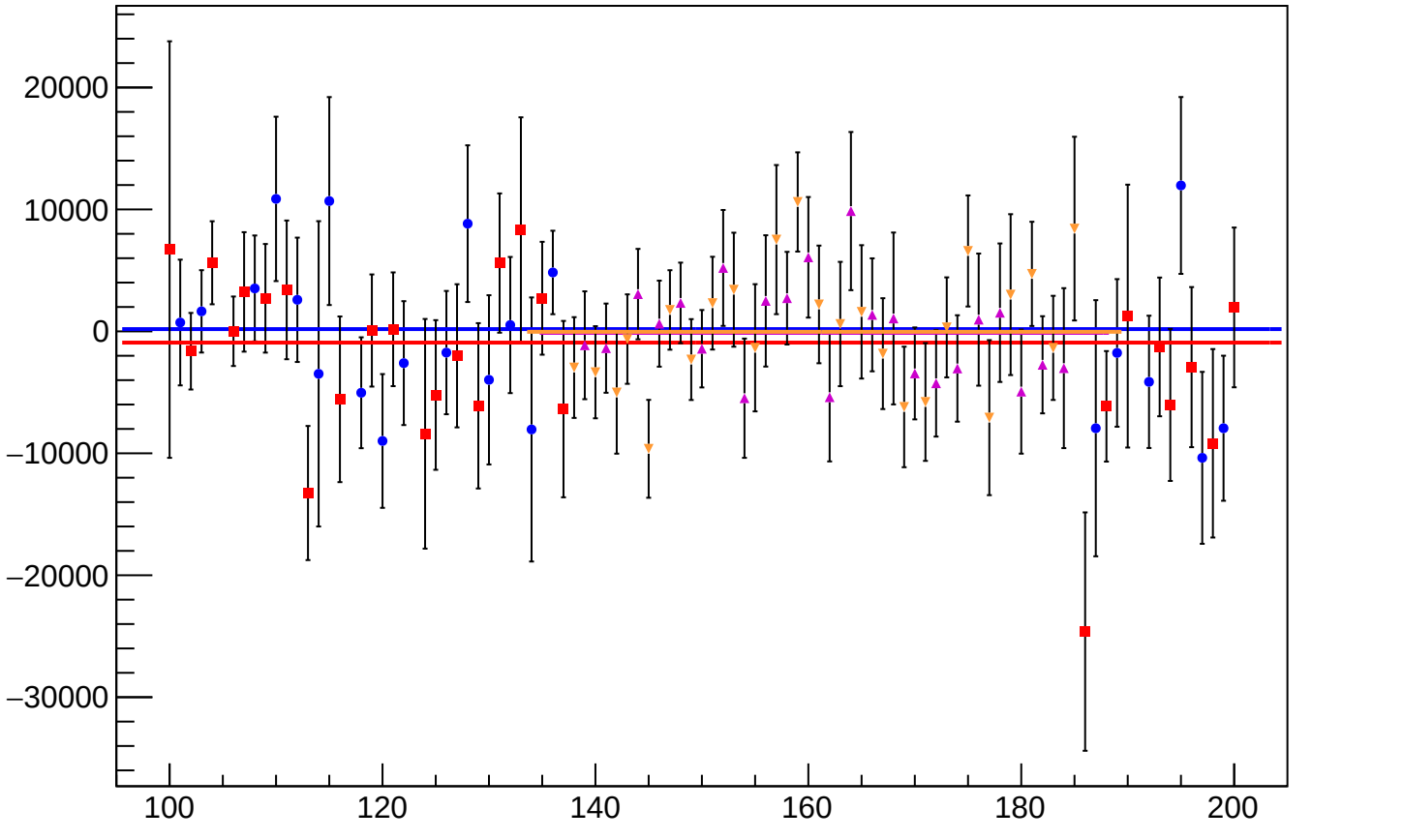
Right Out: 1221.412+/-0.241 χ^2/NDF: 668996.6/26

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1175.423+/-0.151 χ^2/NDF: 931744.4/46

All: 1173.153+/-0.106 χ^2/NDF: 1756290.4/96

- sign 1170.944+/-0.149 χ^2/NDF: 824097.9/49



Right In: 186.120+/-1172.599 χ^2/NDF: 22.4/21

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

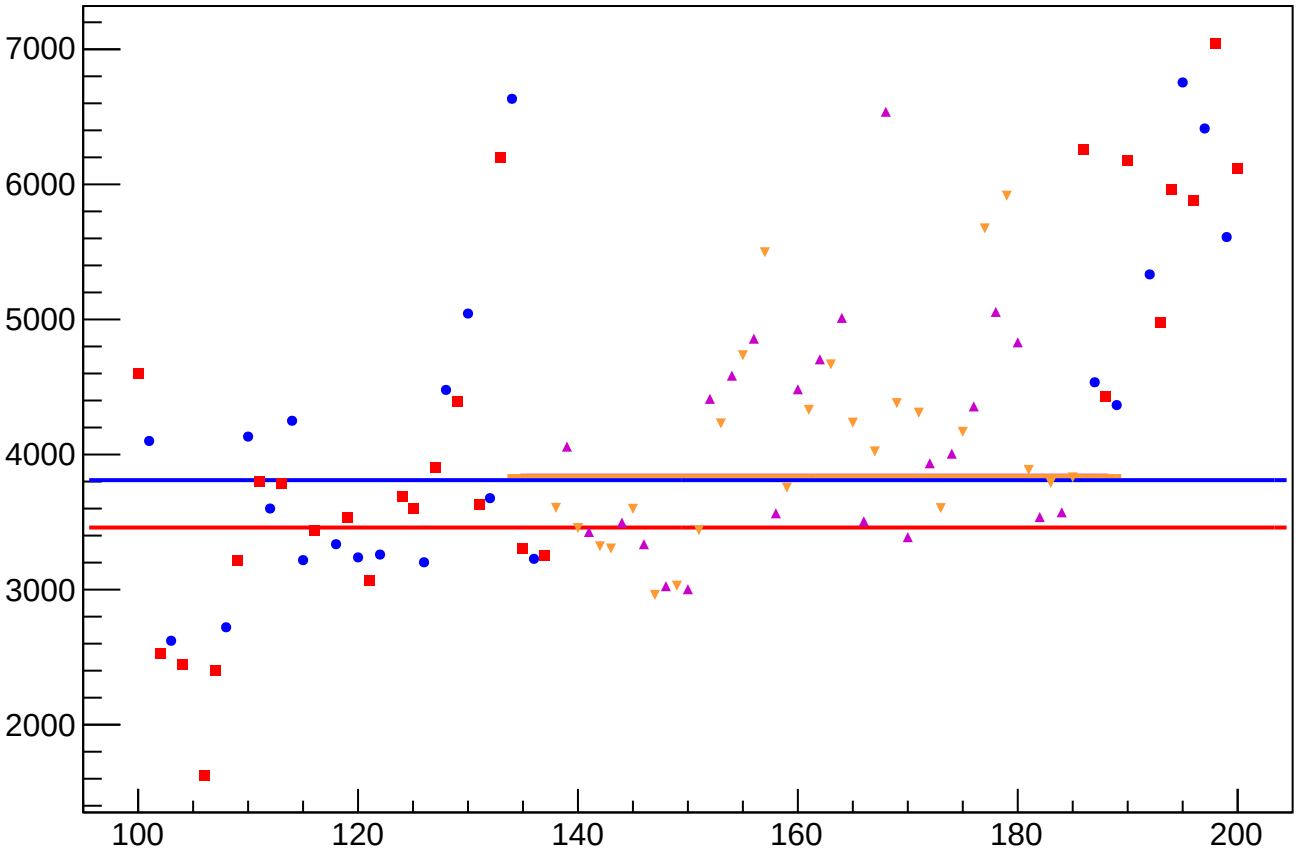
Right Out: -921.234+/-1015.436 χ^2/NDF: 26.2/26

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 46.900+/-709.619 χ^2/NDF: 50.1/46

All: -227.726+/-490.984 χ^2/NDF: 90.8/96

- sign -479.934+/-680.039 χ^2/NDF: 40.3/49



Right In: 3810.425+/-0.829 χ^2/NDF: 1745763.9/21

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3459.626+/-0.718 χ^2/NDF: 3435685.4/26

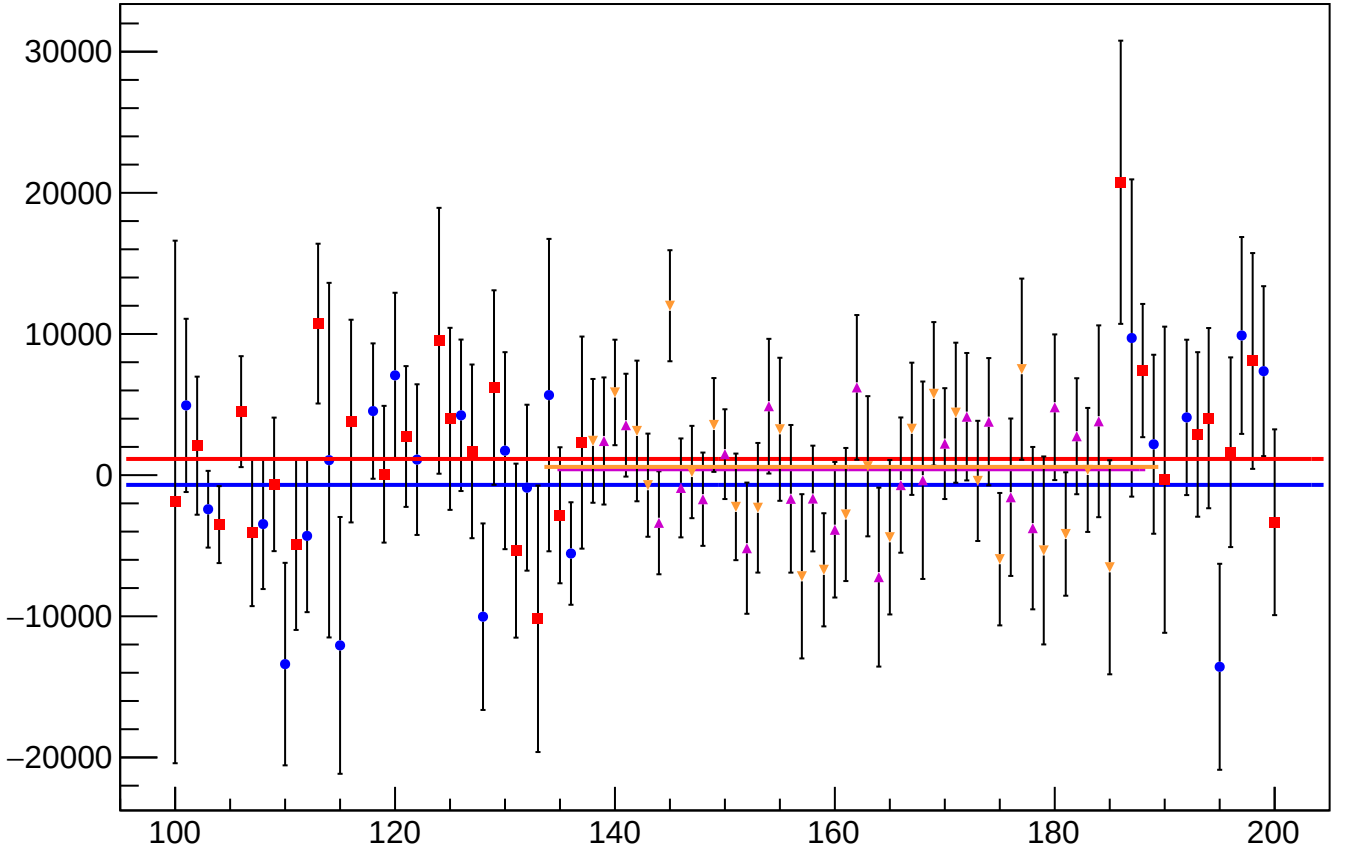
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

\+ sign 3829.698+/-0.502 χ^2/NDF: 2865284.7/46

All: 3747.098+/-0.347 χ^2/NDF: 7706512.0/96

\- sign 3671.241+/-0.481 χ^2/NDF: 4789242.9/49

asym_usr_atr2_dd_mean vs Slug



Right In: -690.882+/-1184.403 χ^2/NDF: 23.9/21

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1147.185+/-1086.717 χ^2/NDF: 21.0/26

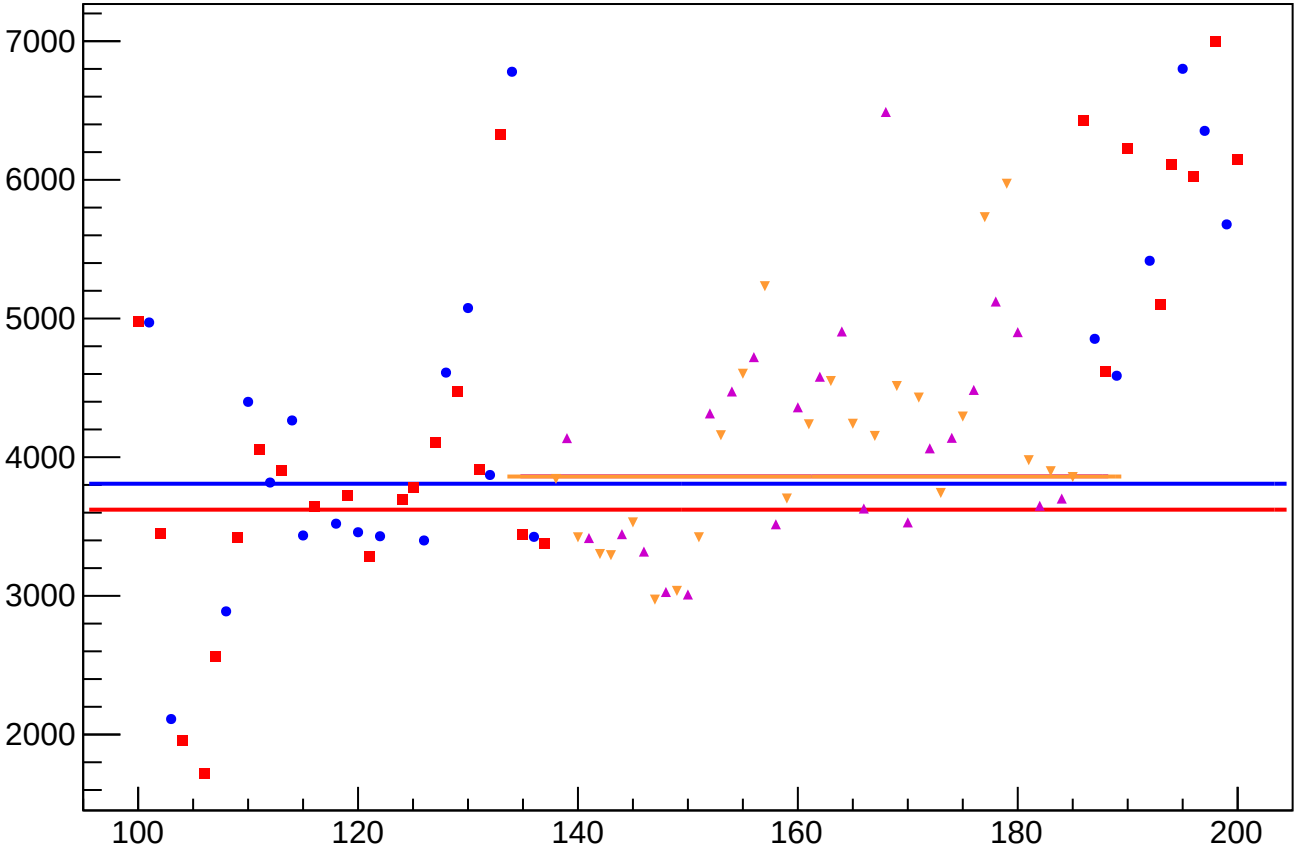
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 120.227+/-714.006 χ^2/NDF: 52.1/46

All: 426.001+/-500.480 χ^2/NDF: 86.2/96

- sign 721.346+/-701.723 χ^2/NDF: 33.7/49

asym_usr_atr2_dd_rms vs Slug



Right In: 3808.557+/-0.837 χ^2/NDF: 2262532.0/21

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

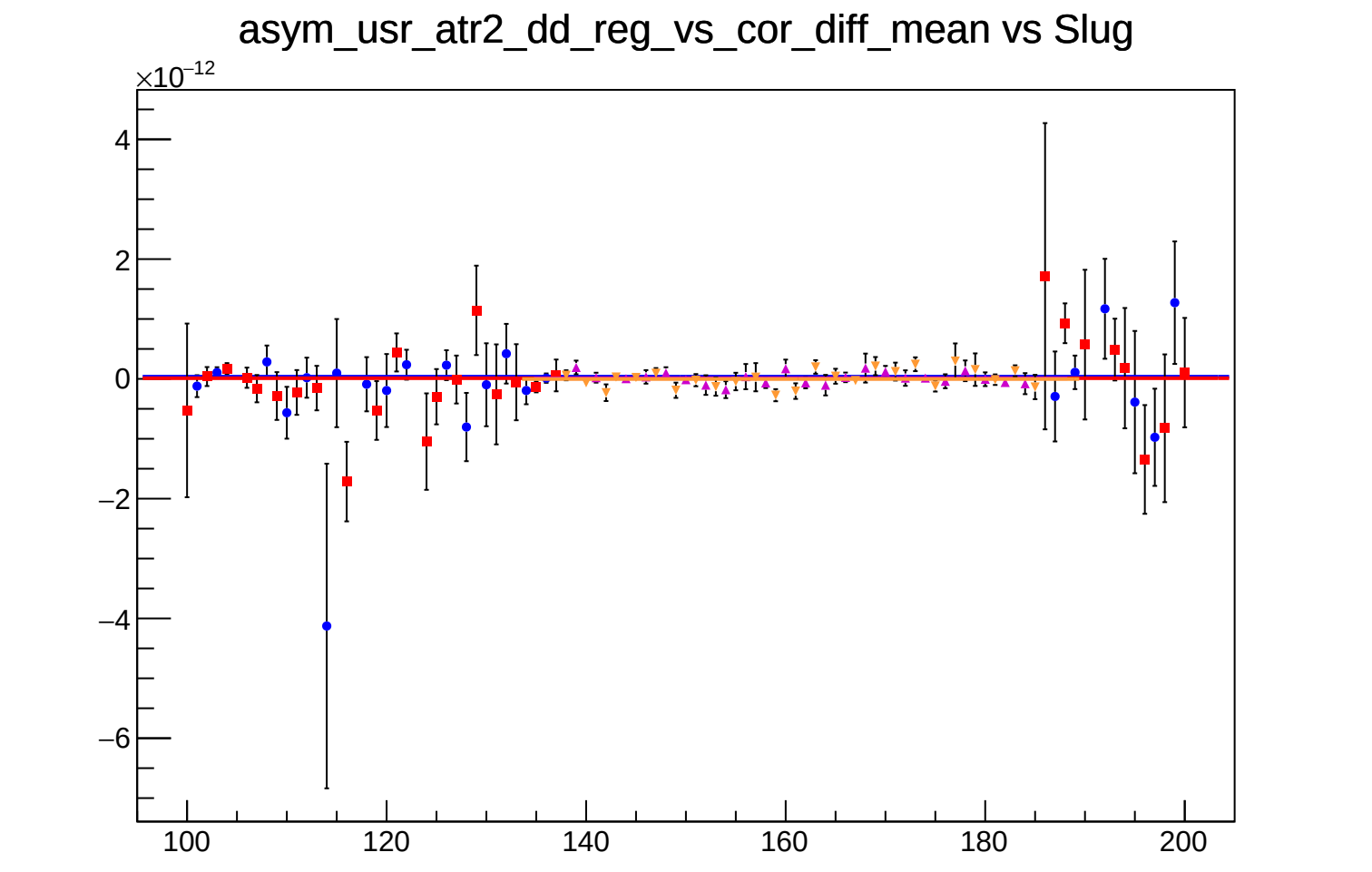
Right Out: 3621.547+/-0.758 χ^2/NDF: 3456840.2/26

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3841.646+/-0.505 χ^2/NDF: 3362276.7/46

All: 3800.075+/-0.353 χ^2/NDF: 8032695.3/96

- sign 3760.370+/-0.493 χ^2/NDF: 4657163.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/26

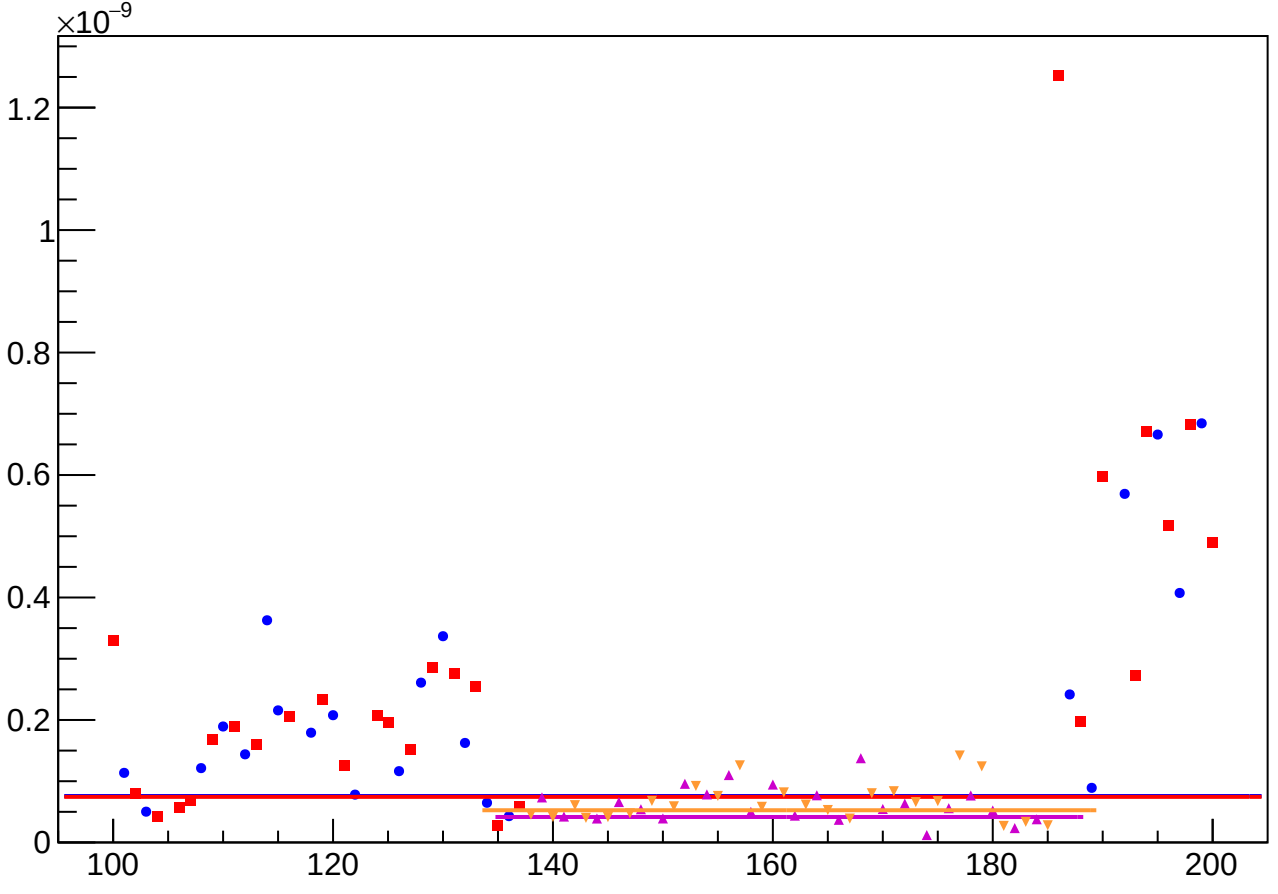
Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/46

All: 0.000+/-0.000 χ^2/NDF: 98.7/96

- sign 0.000+/-0.000 χ^2/NDF: 46.8/49

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4100262.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5772501.7/26

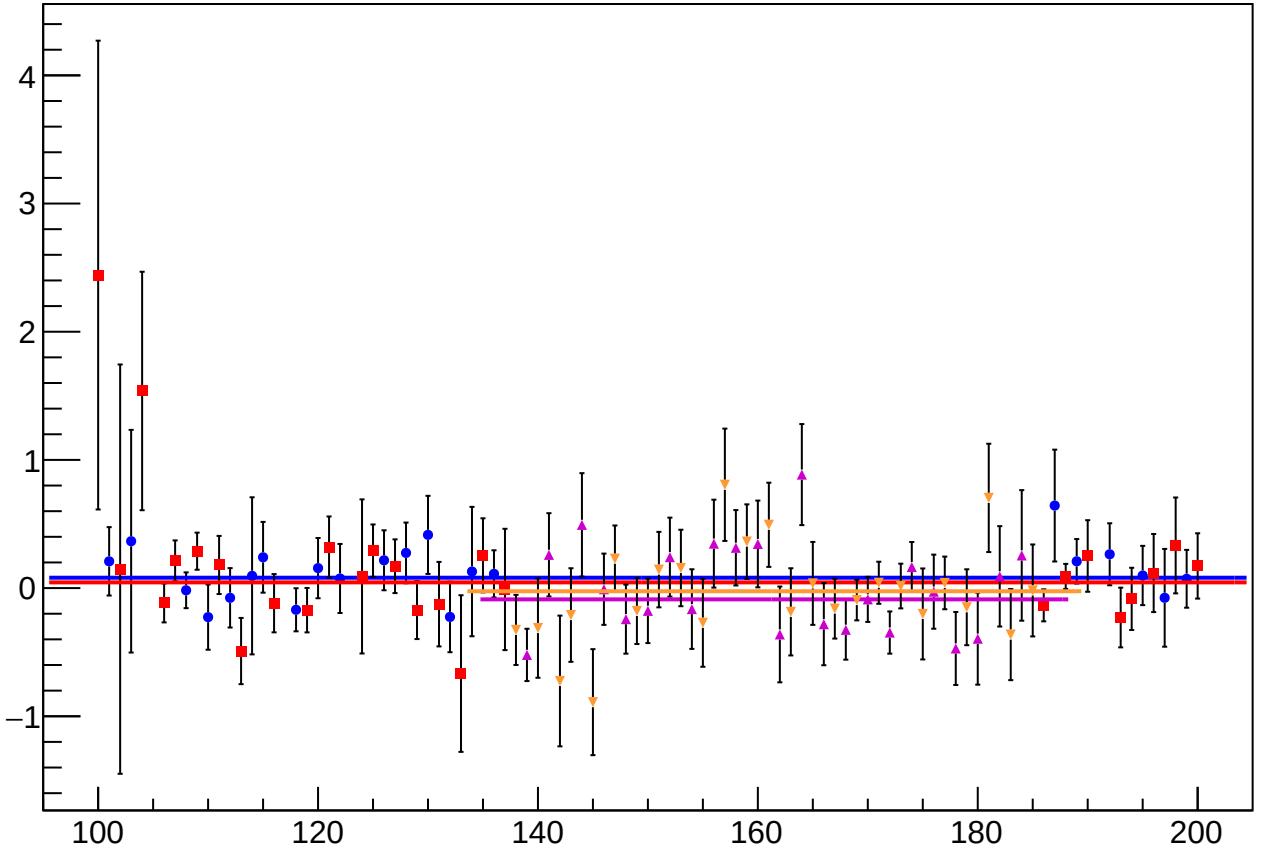
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6105284.3/46

All: 0.000+/-0.000 χ^2/NDF: 15909215.7/96

- sign 0.000+/-0.000 χ^2/NDF: 9503338.0/49

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.045+/-0.041 χ^2/NDF: 27.7/26

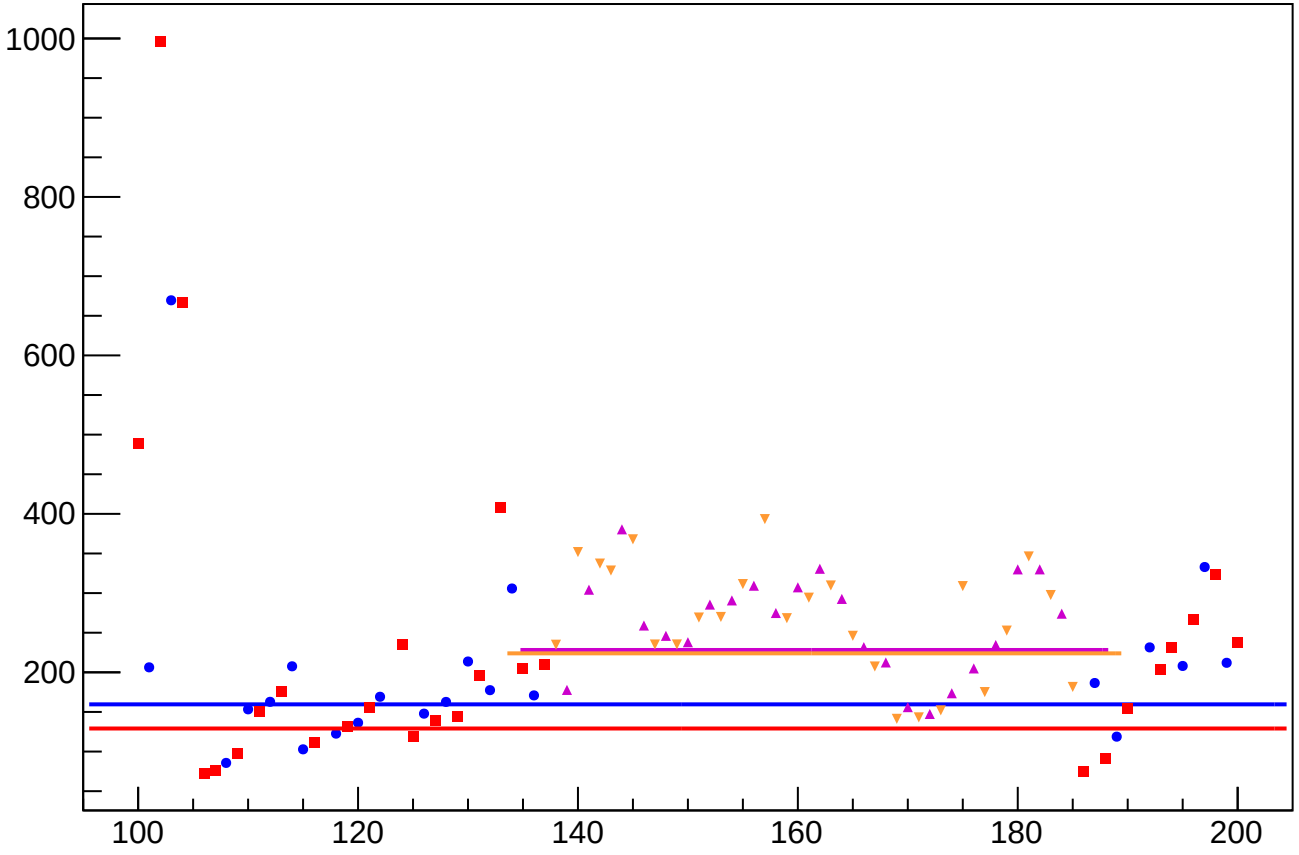
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.013+/-0.025 χ^2/NDF: 99.7/96

- sign -0.001+/-0.033 χ^2/NDF: 61.3/49

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

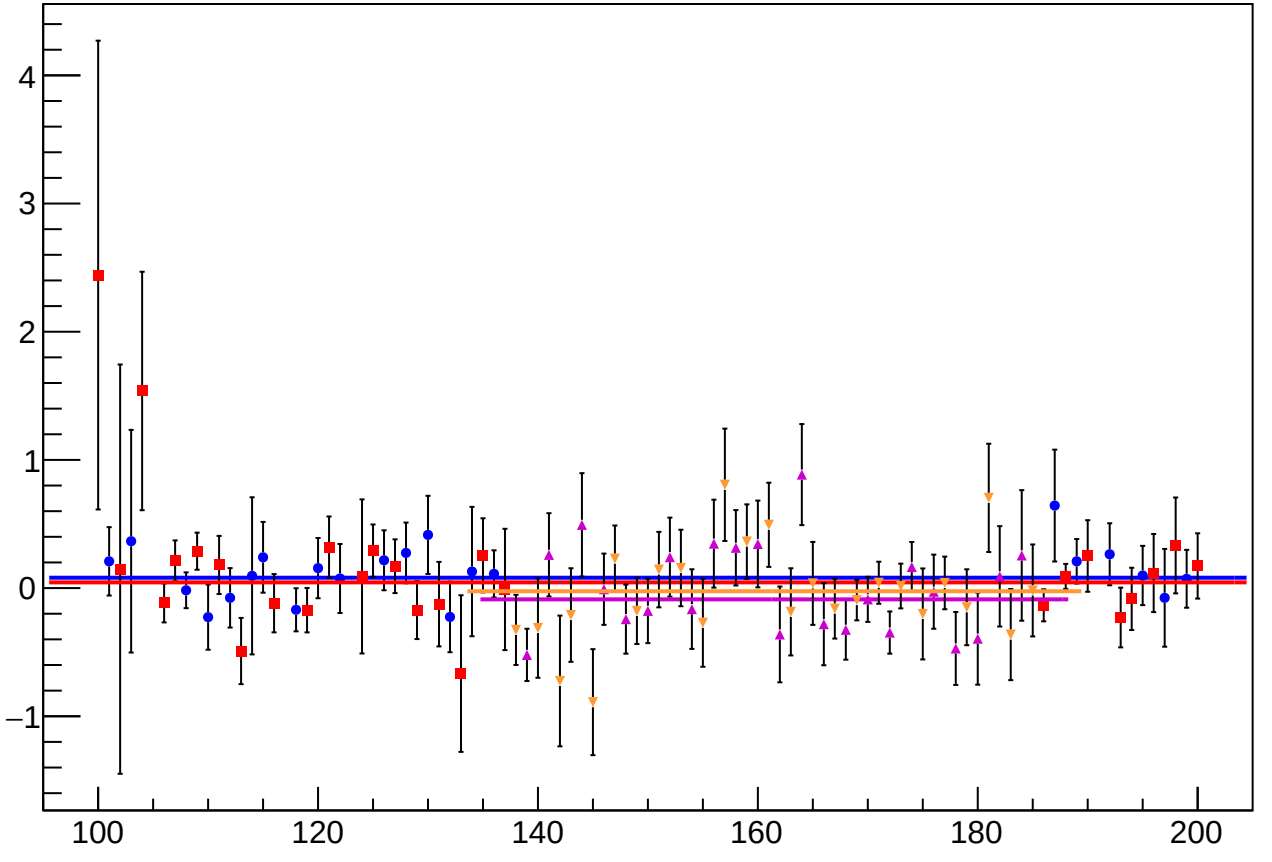
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

\+ sign 189.831+/-0.026 χ^2/NDF: 7596759.8/46

All: 175.191+/-0.018 χ^2/NDF: 20040387.8/96

\- sign 163.536+/-0.024 χ^2/NDF: 11894143.2/49

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.045+/-0.041 χ^2/NDF: 27.7/26

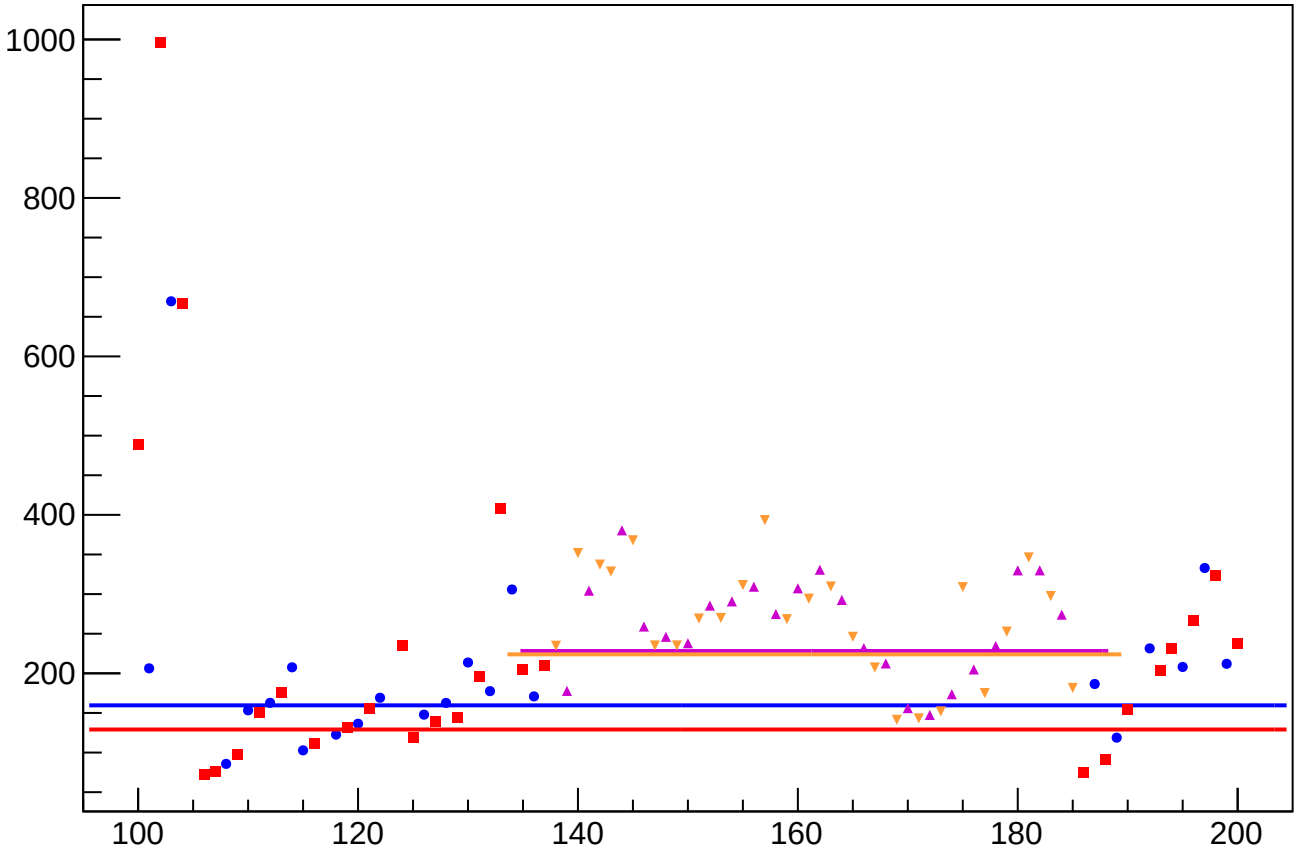
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.013+/-0.025 χ^2/NDF: 99.7/96

- sign -0.001+/-0.033 χ^2/NDF: 61.3/49

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

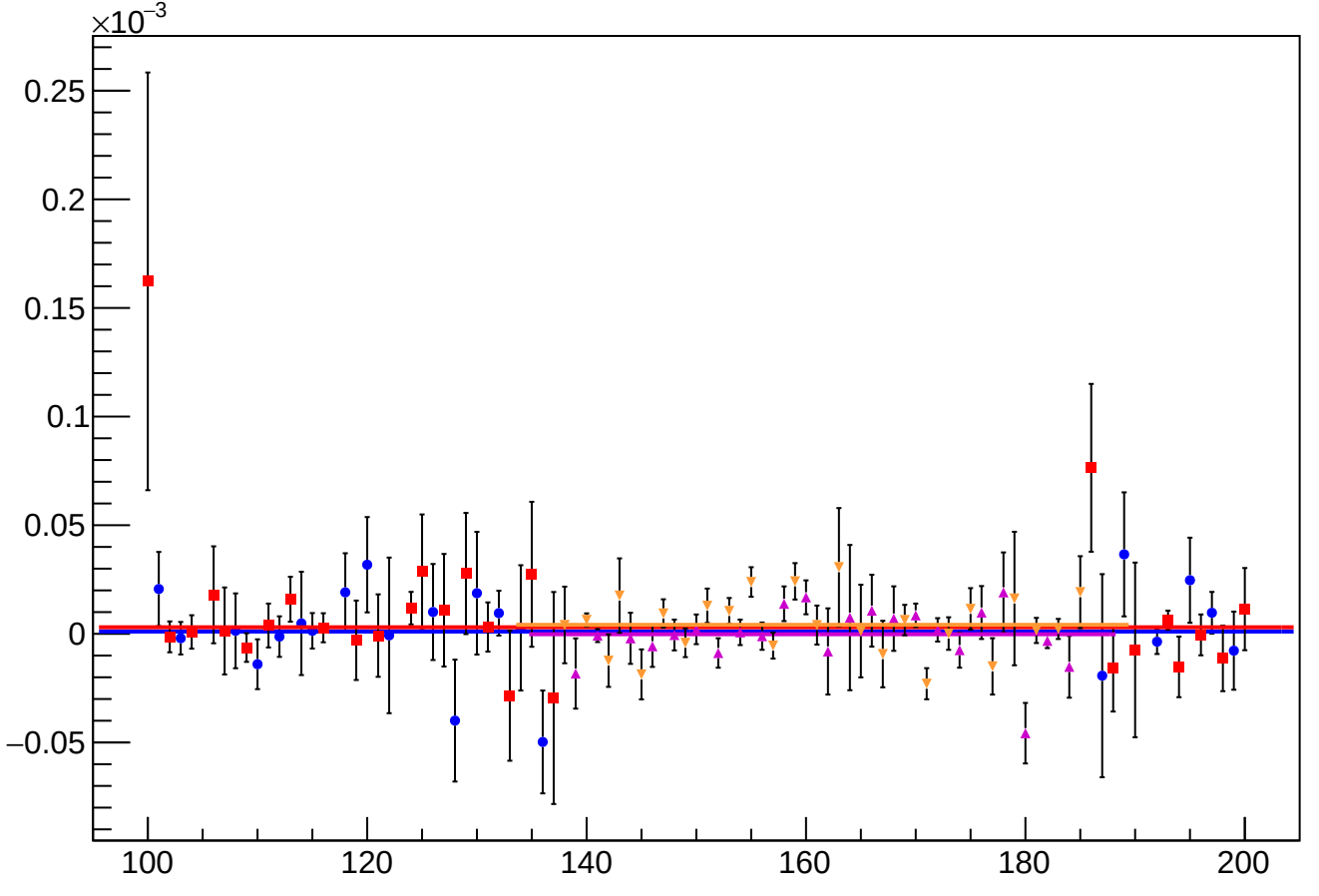
Right Out: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.831+/-0.026 χ^2/NDF: 7596759.8/46

All: 175.191+/-0.018 χ^2/NDF: 20040387.8/96

- sign 163.536+/-0.024 χ^2/NDF: 11894143.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

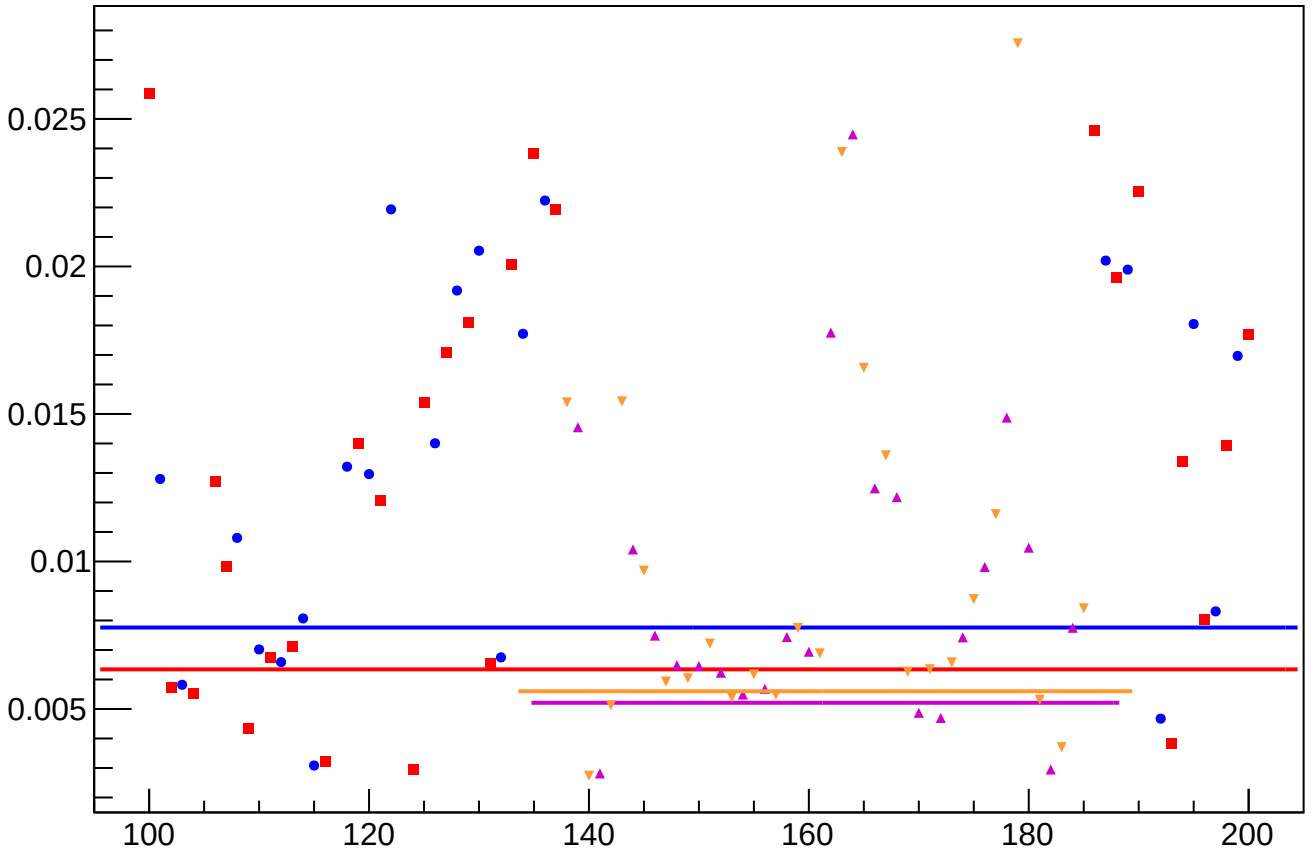
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/46

All: 0.000+/-0.000 χ^2/NDF: 123.6/96

- sign 0.000+/-0.000 χ^2/NDF: 52.4/49



Right In: 0.008+/-0.000 χ^2/NDF: 5763218.8/21

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

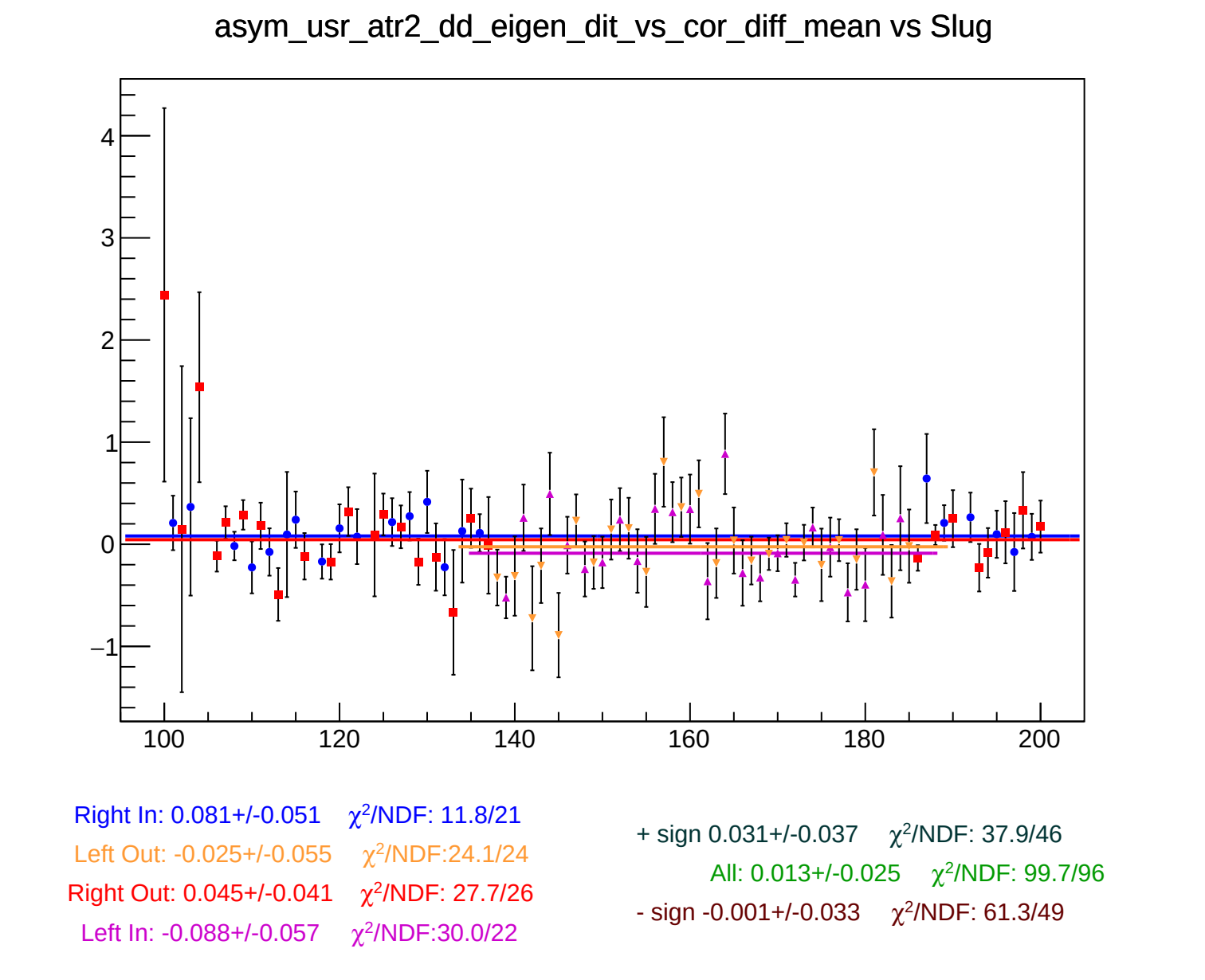
Right Out: 0.006+/-0.000 χ^2/NDF: 8136060.9/26

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

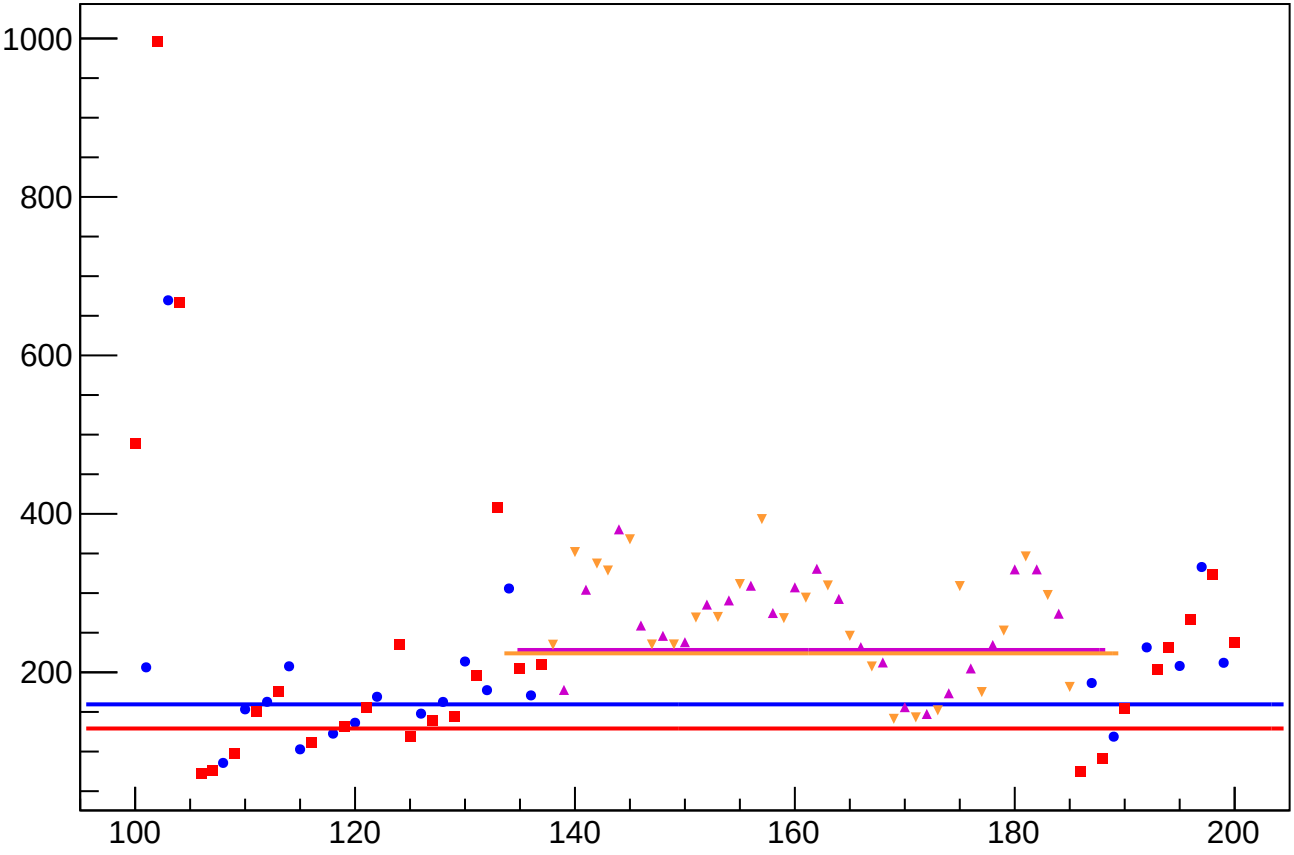
+ sign 0.006+/-0.000 χ^2/NDF: 14496063.6/46

All: 0.006+/-0.000 χ^2/NDF: 30657603.8/96

- sign 0.006+/-0.000 χ^2/NDF: 15989072.2/49


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.081+/-0.051 χ²/NDF: 11.8/21
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.045+/-0.041 χ²/NDF: 27.7/26
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.031+/-0.037 χ²/NDF: 37.9/46
All: 0.013+/-0.025 χ²/NDF: 99.7/96
- sign -0.001+/-0.033 χ²/NDF: 61.3/49

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

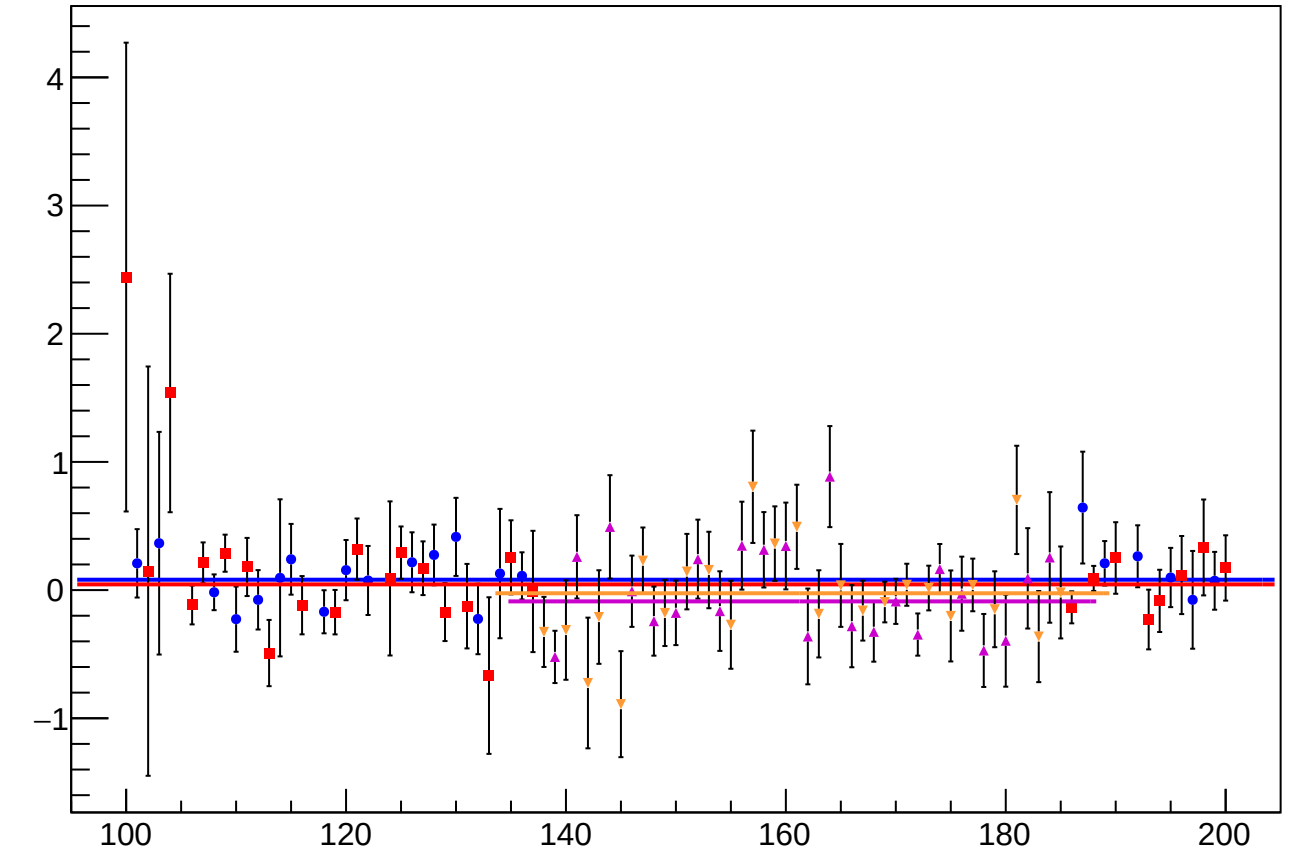
Right Out: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.829+/-0.026 χ^2/NDF: 7597259.9/46

All: 175.193+/-0.018 χ^2/NDF: 20039832.4/96

- sign 163.541+/-0.024 χ^2/NDF: 11893368.7/49



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

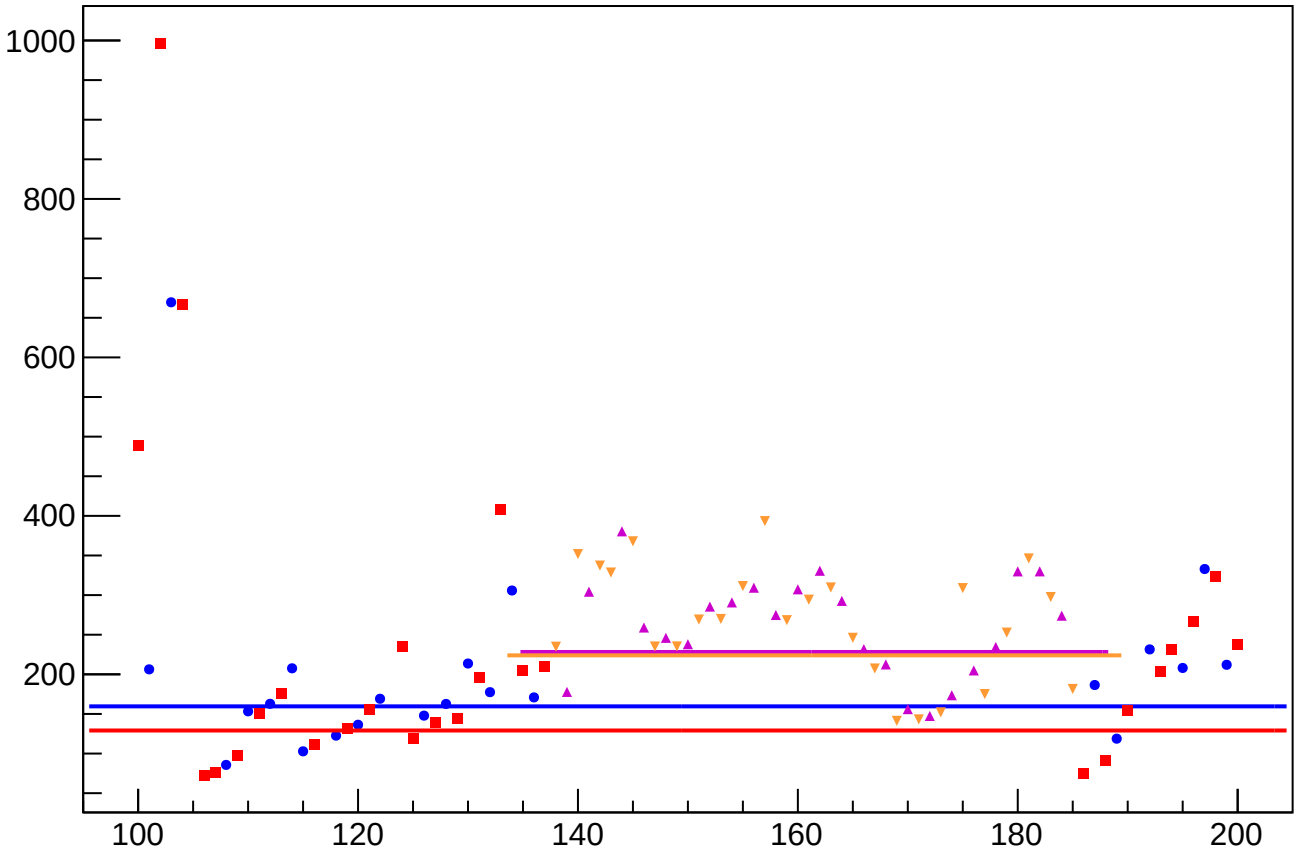
Right Out: 0.045+/-0.041 χ^2/NDF: 27.7/26

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.013+/-0.025 χ^2/NDF: 99.7/96

- sign -0.001+/-0.033 χ^2/NDF: 61.3/49



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

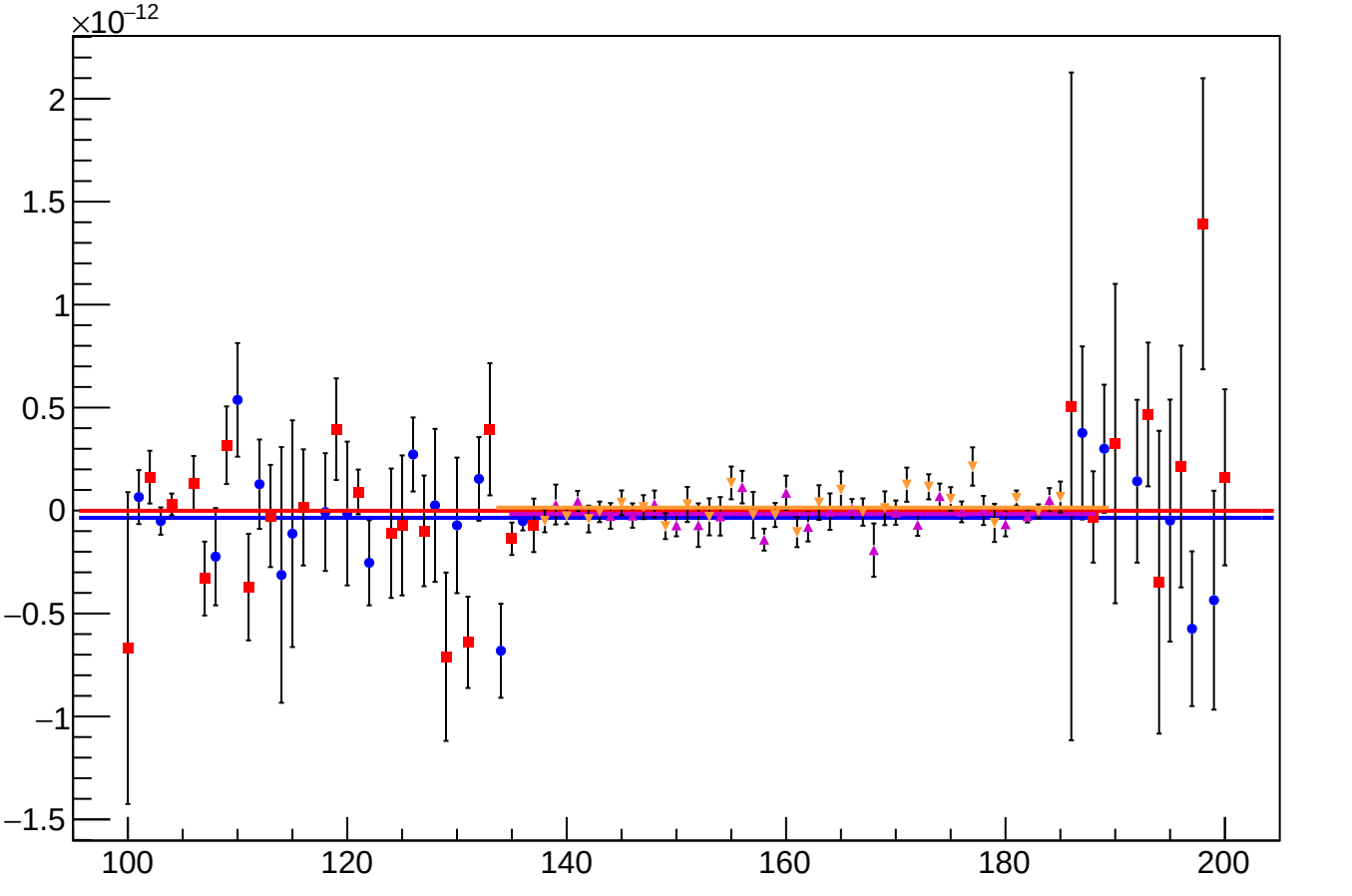
Right Out: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.829+/-0.026 χ^2/NDF: 7597259.9/46

All: 175.193+/-0.018 χ^2/NDF: 20039832.4/96

- sign 163.541+/-0.024 χ^2/NDF: 11893368.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/21

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

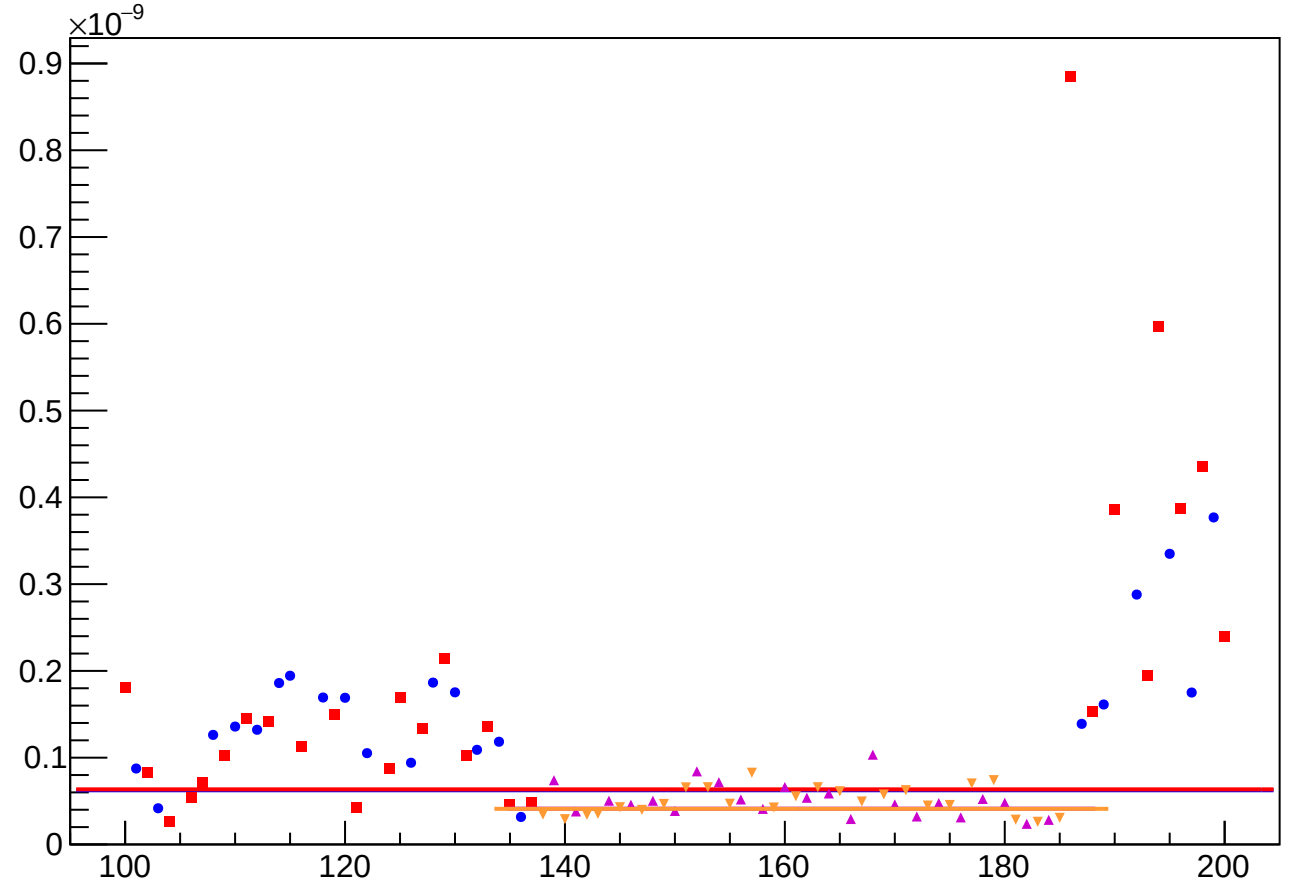
Right Out: -0.000+/-0.000 χ^2/NDF: 38.3/26

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/46

All: -0.000+/-0.000 χ^2/NDF: 114.1/96

- sign -0.000+/-0.000 χ^2/NDF: 60.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 5406853.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6869515.6/26

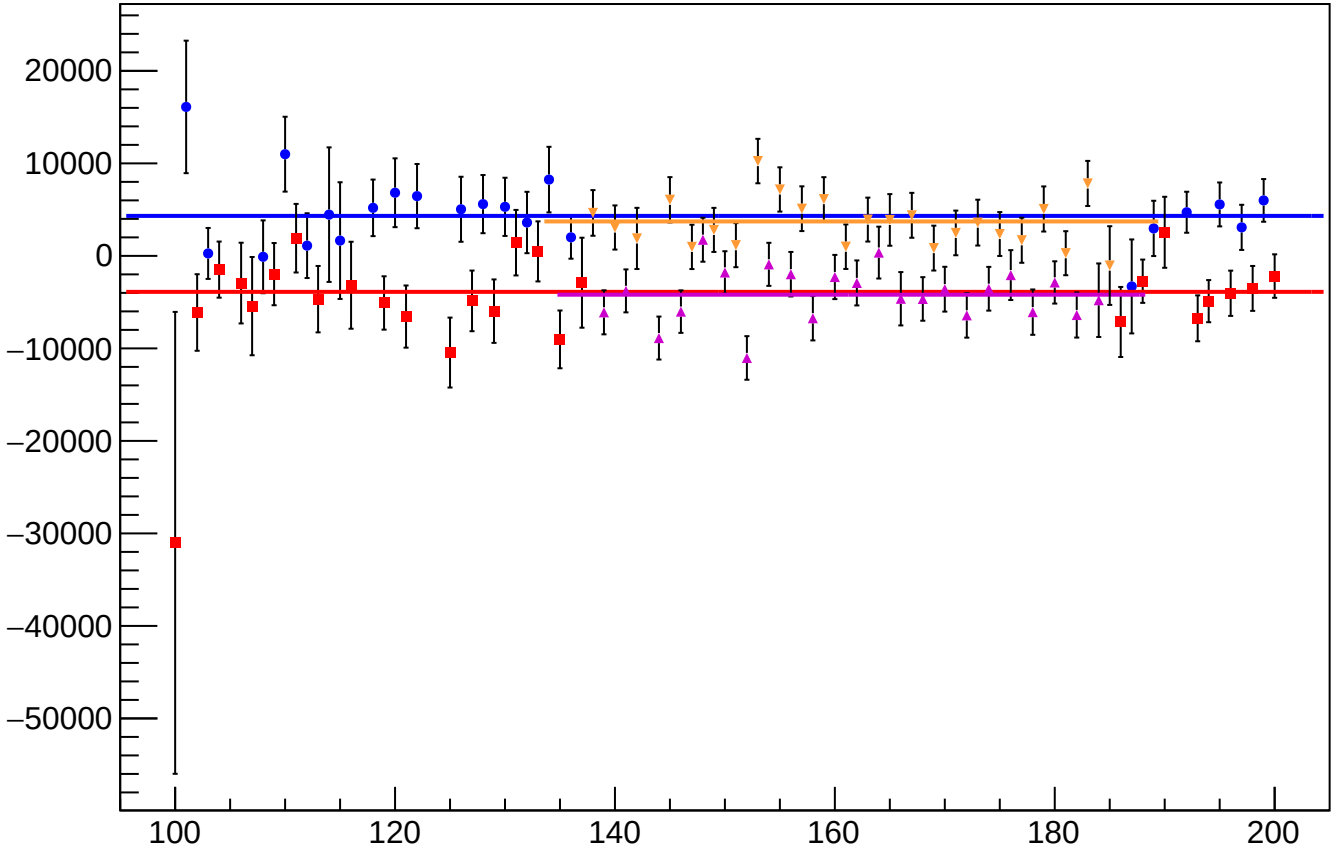
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8851275.4/46

All: 0.000+/-0.000 χ^2/NDF: 19449747.9/96

- sign 0.000+/-0.000 χ^2/NDF: 10597014.9/49

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4323.017+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3888.801+/-631.112 χ^2/NDF: 22.0/25

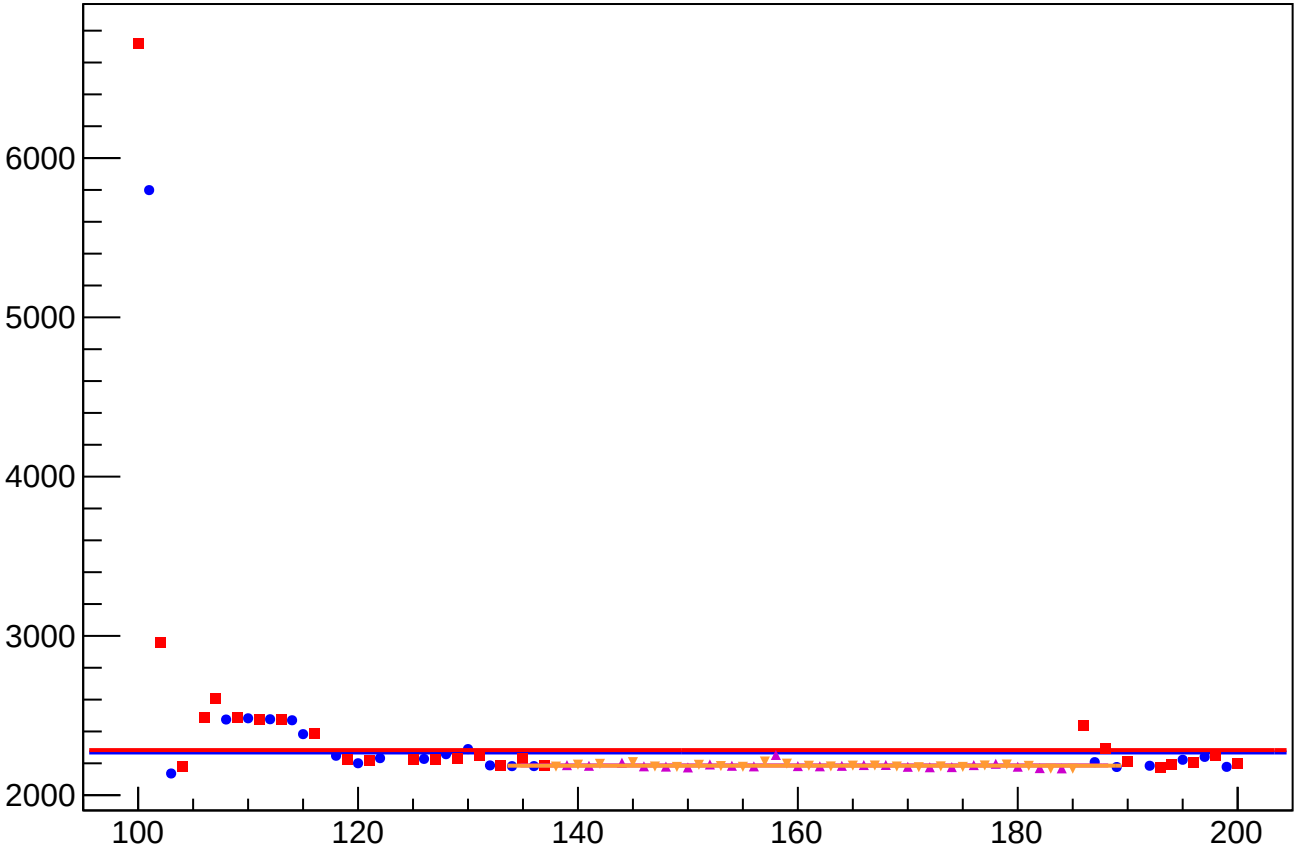
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.731+/-405.505 χ^2/NDF: 42.9/45

All: -152.853+/-283.660 χ^2/NDF: 296.6/94

- sign -4074.440+/-396.943 χ^2/NDF: 54.3/48

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.5/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

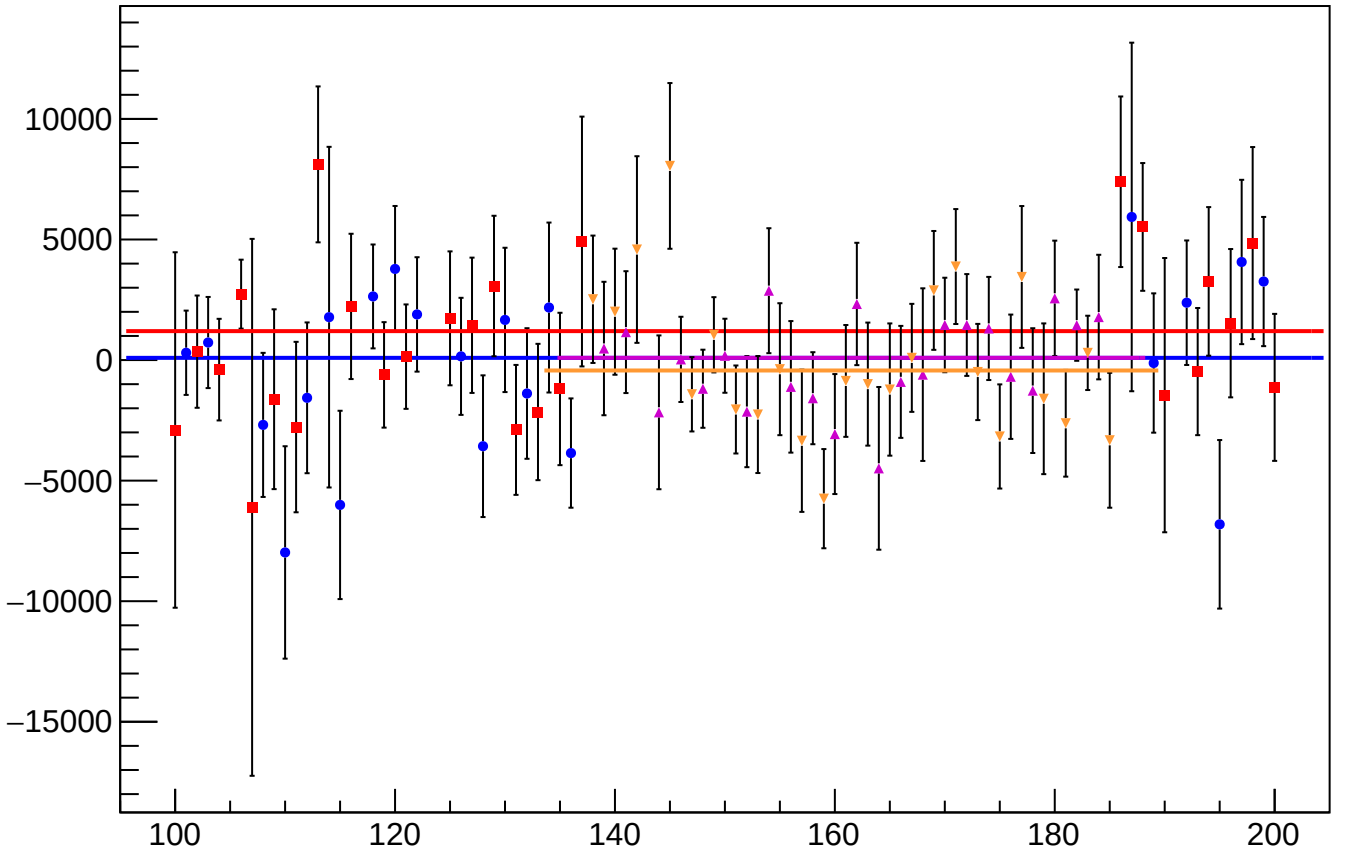
Right Out: 2282.970+/-0.446 χ^2/NDF: 173167.2/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546875.9/45

All: 2220.025+/-0.201 χ^2/NDF: 750802.6/94

- sign 2224.811+/-0.281 χ^2/NDF: 203332.4/48



Right In: 91.881+/-586.858 χ^2/NDF: 24.7/21

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: 1200.000+/-553.871 χ^2/NDF: 23.6/25

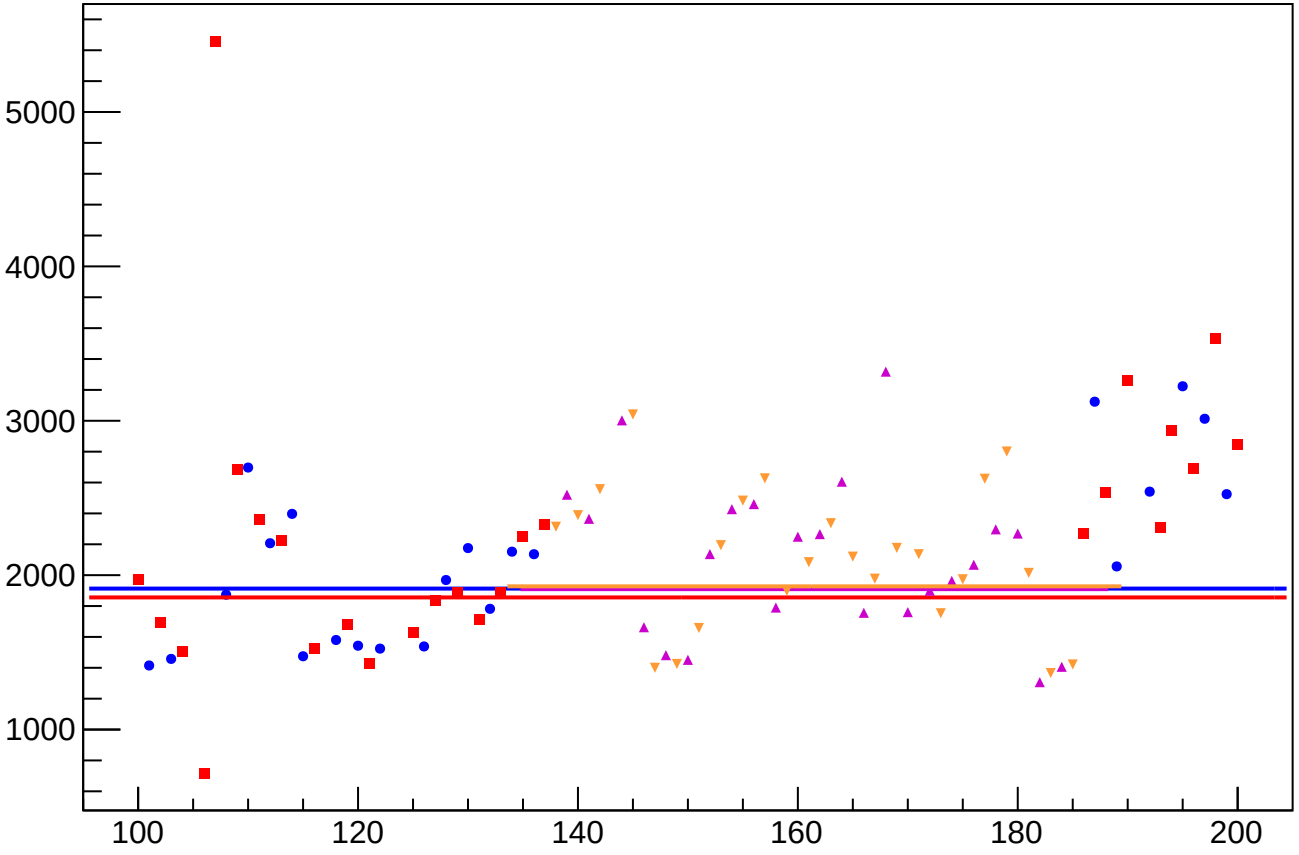
Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -231.523+/-363.195 χ^2/NDF: 56.5/45

All: 166.730+/-253.569 χ^2/NDF: 97.5/94

- sign 545.447+/-354.175 χ^2/NDF: 38.7/48

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1913.082+/-0.415 χ^2/NDF: 1406228.7/21

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1855.878+/-0.392 χ^2/NDF: 3197899.0/25

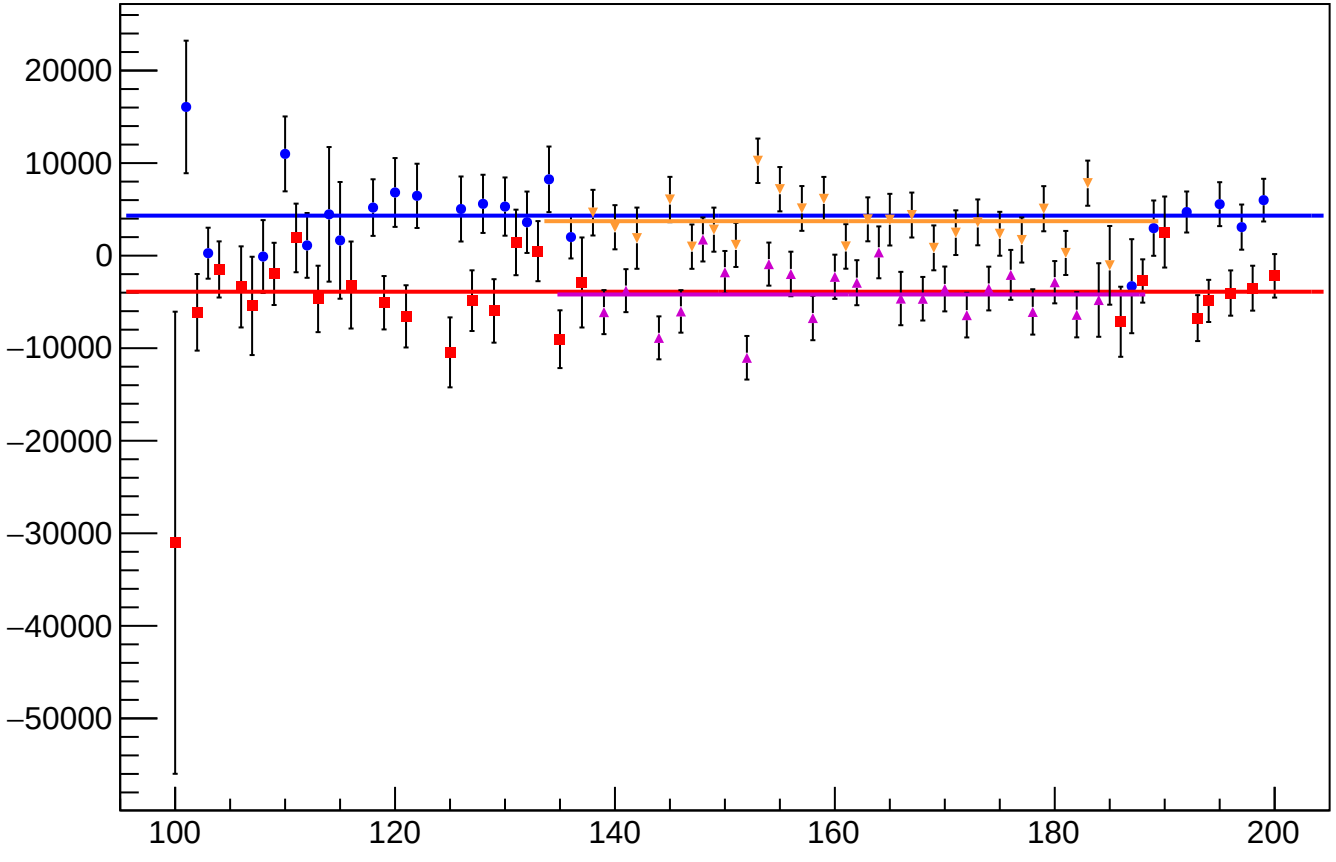
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1922.077+/-0.257 χ^2/NDF: 3205373.2/45

All: 1904.426+/-0.179 χ^2/NDF: 8365879.7/94

- sign 1887.640+/-0.250 χ^2/NDF: 5151290.6/48

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3898.321+/-631.169 χ^2/NDF: 22.0/25

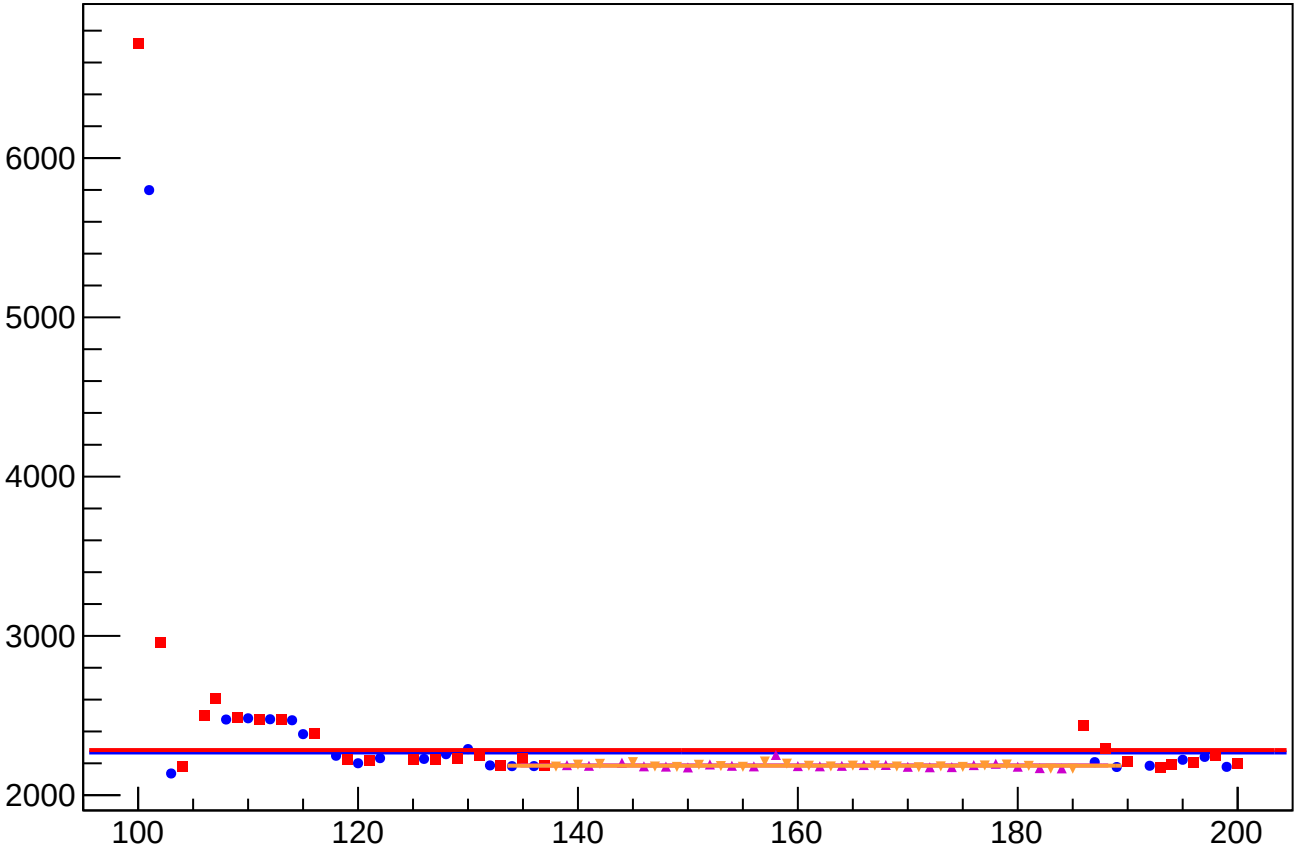
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.572+/-405.505 χ^2/NDF: 42.8/45

All: -154.754+/-283.665 χ^2/NDF: 296.7/94

- sign -4078.291+/-396.957 χ^2/NDF: 54.2/48

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

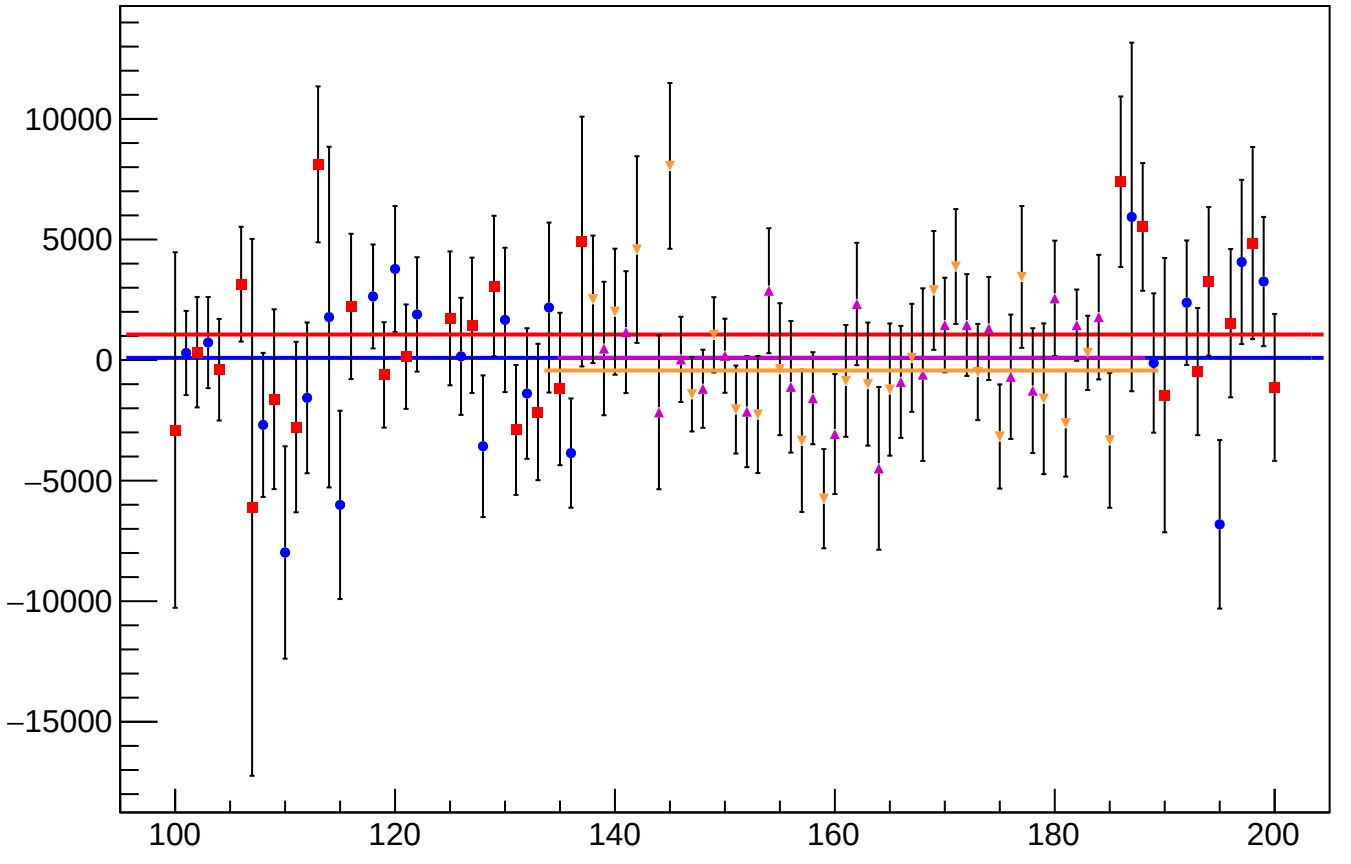
Right Out: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546876.2/45

All: 2220.060+/-0.201 χ^2/NDF: 751352.7/94

- sign 2224.880+/-0.281 χ^2/NDF: 203873.8/48



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

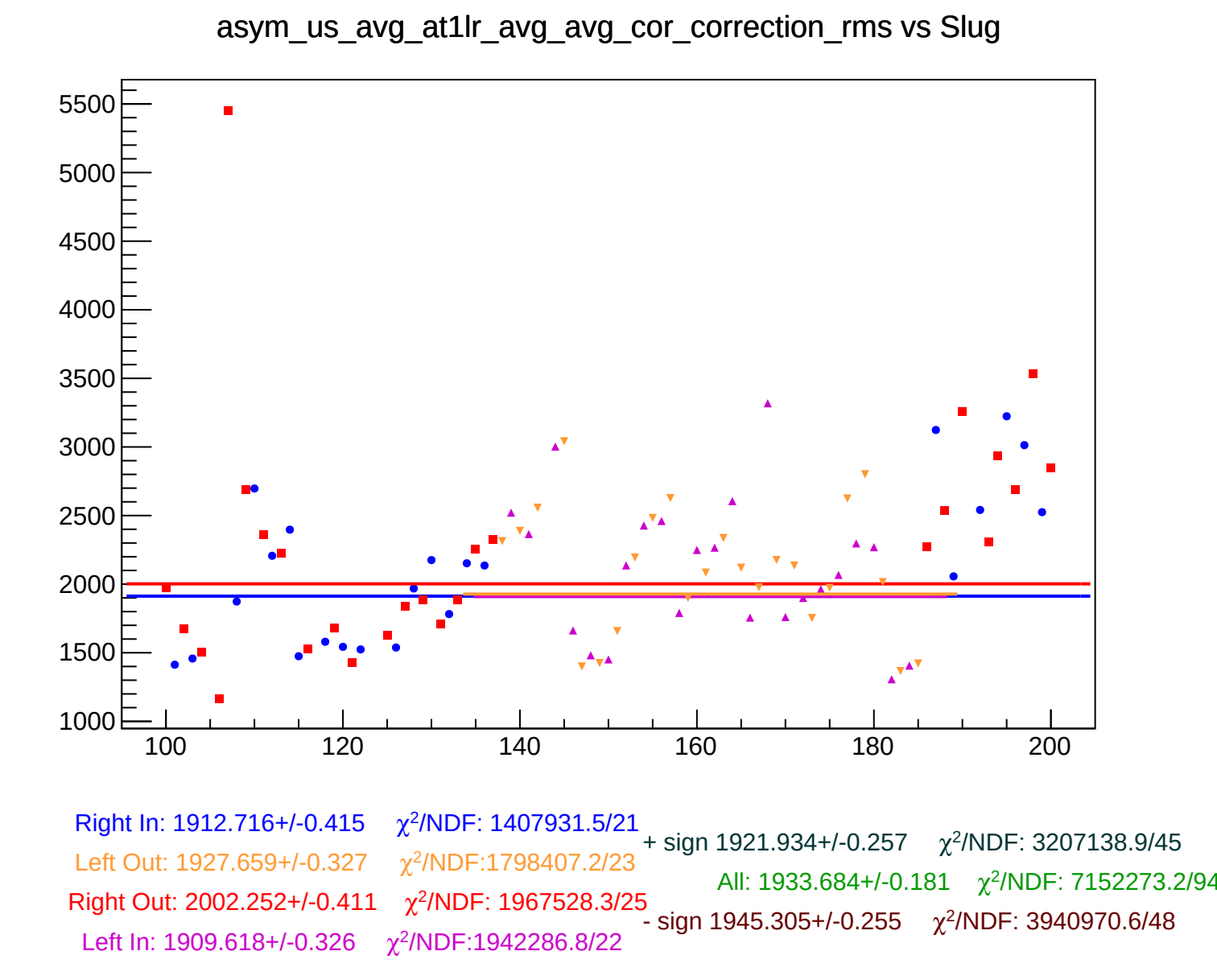
Right Out: 1058.796+/-581.928 χ^2/NDF: 23.0/25

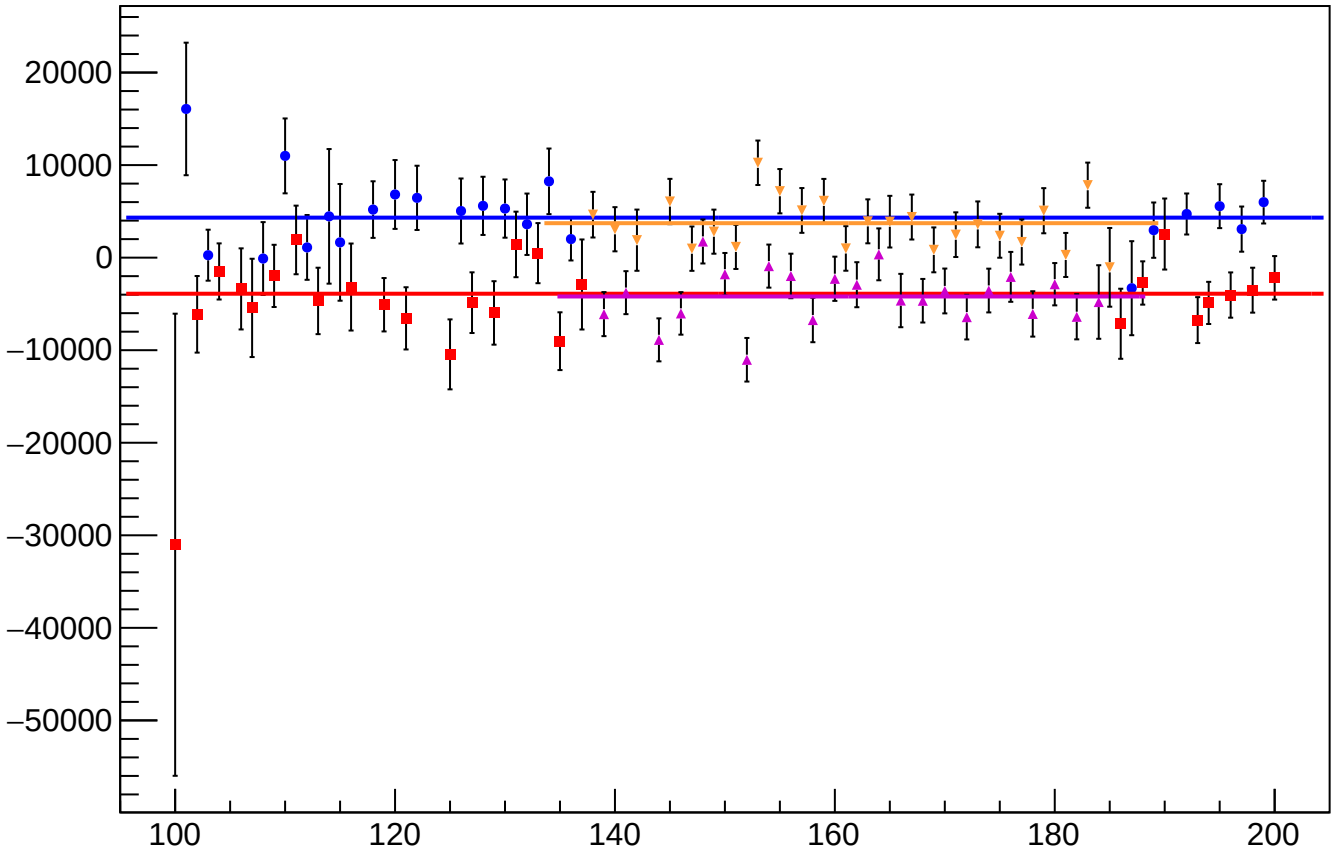
Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -231.850+/-363.173 χ^2/NDF: 56.5/45

All: 118.393+/-256.100 χ^2/NDF: 95.8/94

- sign 464.828+/-361.194 χ^2/NDF: 37.5/48


asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1912.716+/-0.415 χ²/NDF: 1407931.5/21
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 2002.252+/-0.411 χ²/NDF: 1967528.3/25
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
+ sign 1921.934+/-0.257 χ²/NDF: 3207138.9/45
All: 1933.684+/-0.181 χ²/NDF: 7152273.2/94
- sign 1945.305+/-0.255 χ²/NDF: 3940970.6/48



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3898.321+/-631.169 χ^2/NDF: 22.0/25

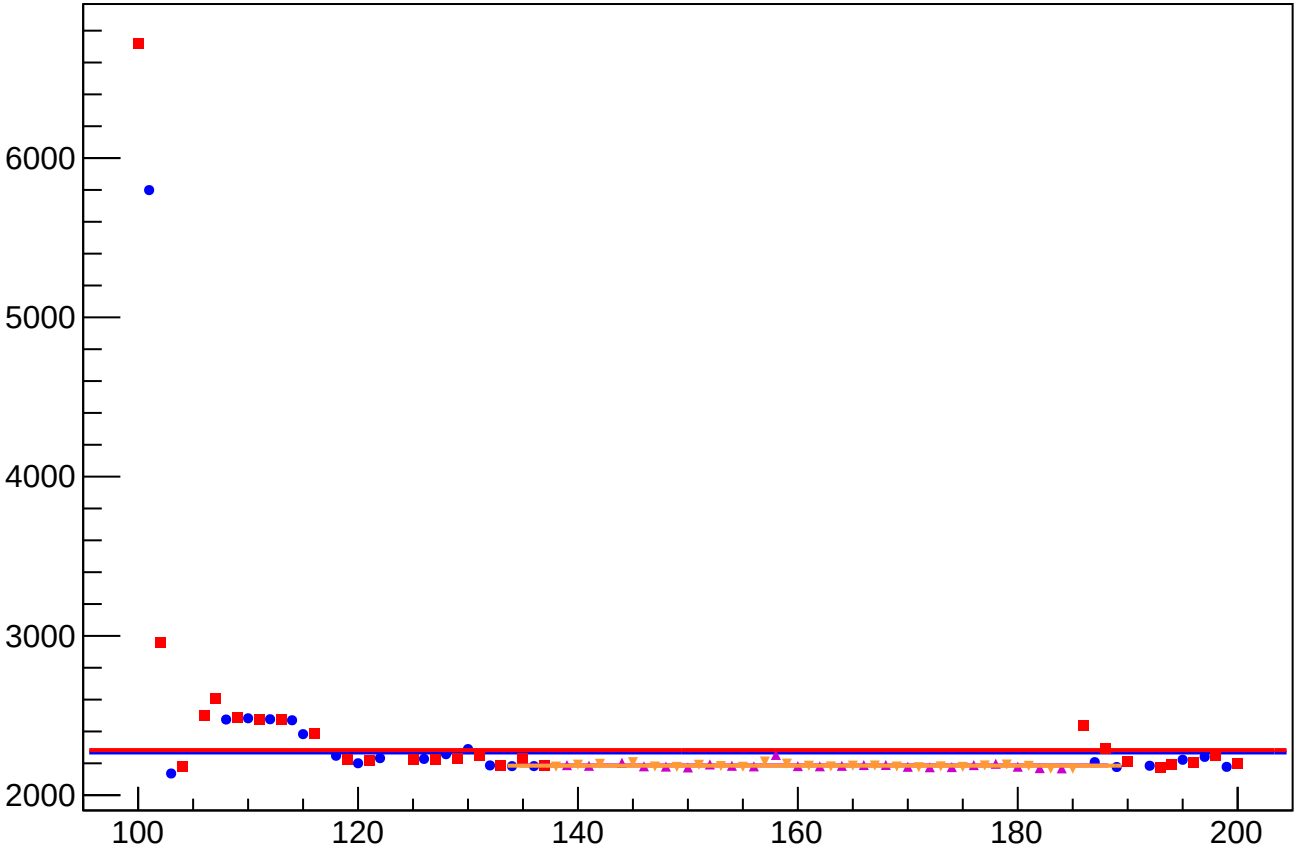
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.572+/-405.505 χ^2/NDF: 42.8/45

All: -154.754+/-283.665 χ^2/NDF: 296.7/94

- sign -4078.291+/-396.957 χ^2/NDF: 54.2/48

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

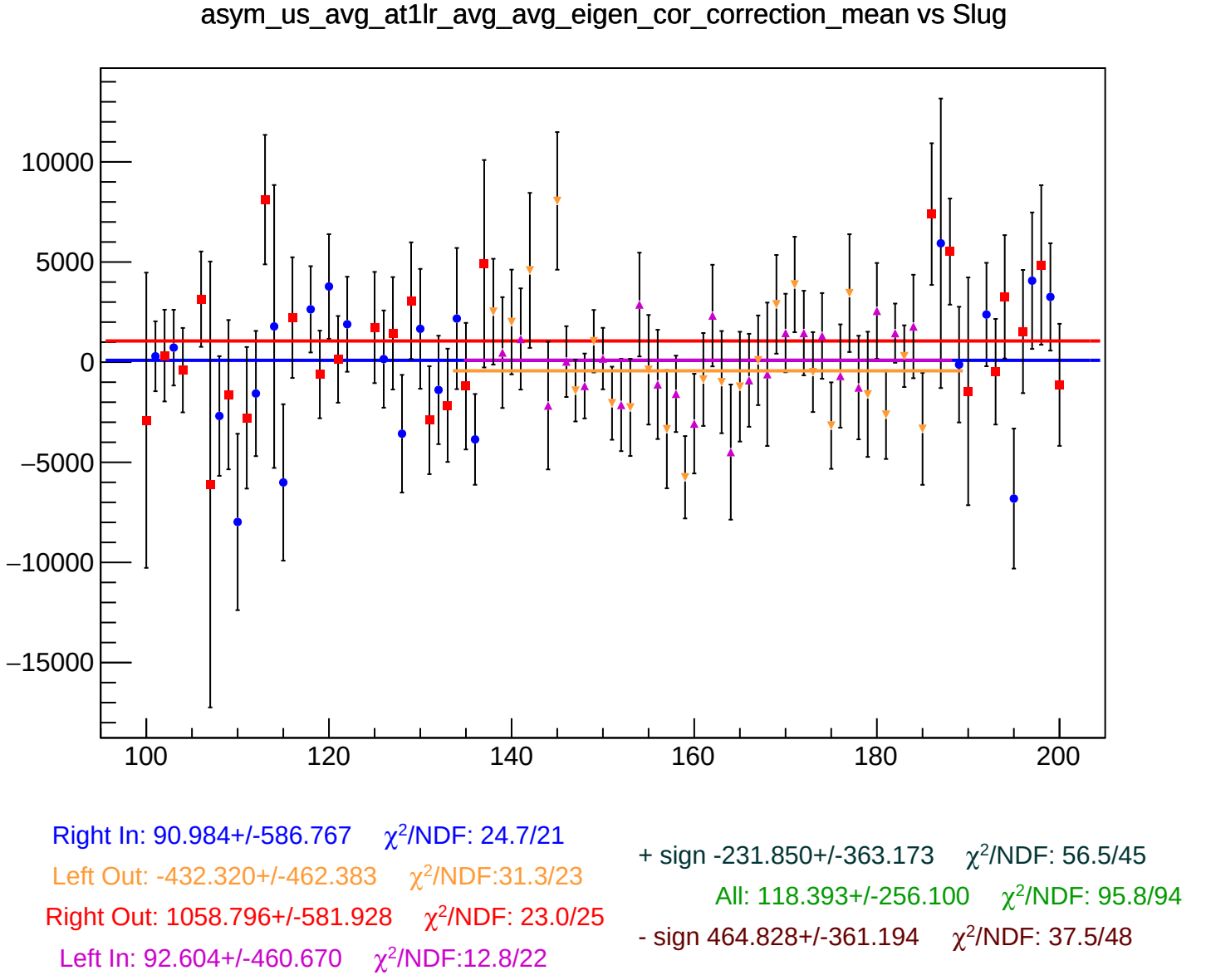
Right Out: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

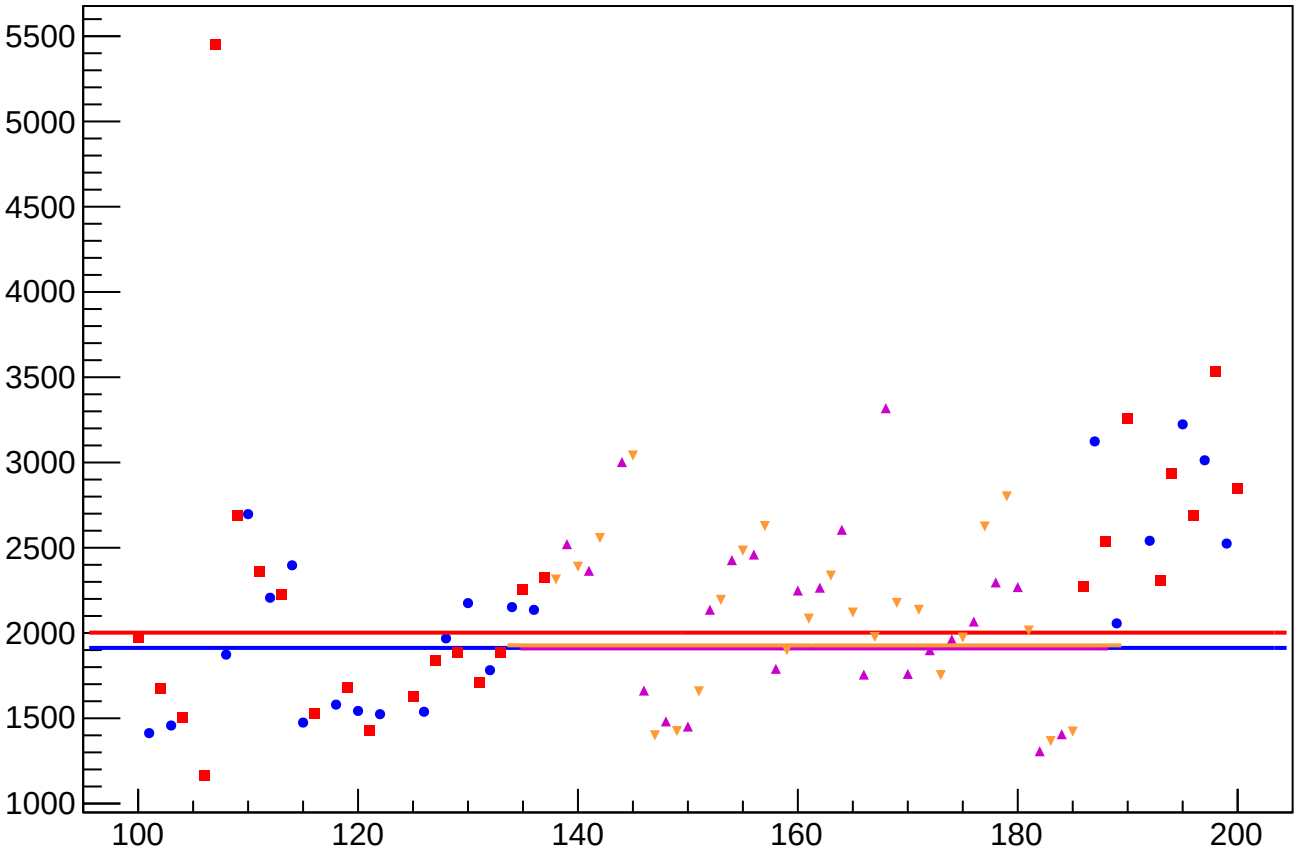
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546876.2/45

All: 2220.060+/-0.201 χ^2/NDF: 751352.7/94

- sign 2224.880+/-0.281 χ^2/NDF: 203873.8/48


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 90.984+/-586.767 χ²/NDF: 24.7/21
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 1058.796+/-581.928 χ²/NDF: 23.0/25
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -231.850+/-363.173 χ²/NDF: 56.5/45
All: 118.393+/-256.100 χ²/NDF: 95.8/94
- sign 464.828+/-361.194 χ²/NDF: 37.5/48



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

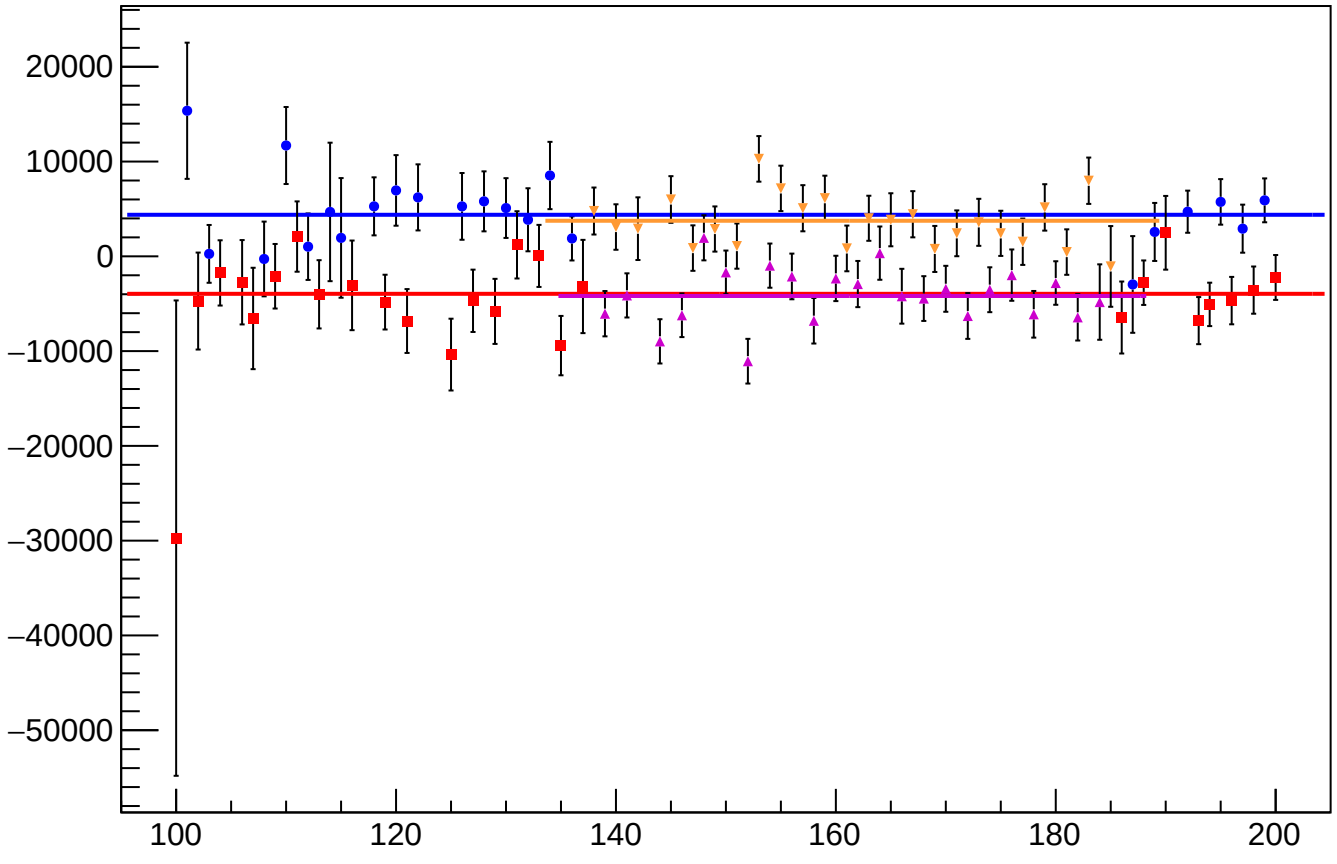
Right Out: 2002.252+/-0.411 χ^2/NDF: 1967528.3/25

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1921.934+/-0.257 χ^2/NDF: 3207138.9/45

All: 1933.684+/-0.181 χ^2/NDF: 7152273.2/94

- sign 1945.305+/-0.255 χ^2/NDF: 3940970.6/48



Right In: 4383.639+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3955.248+/-641.460 χ^2/NDF: 21.1/25

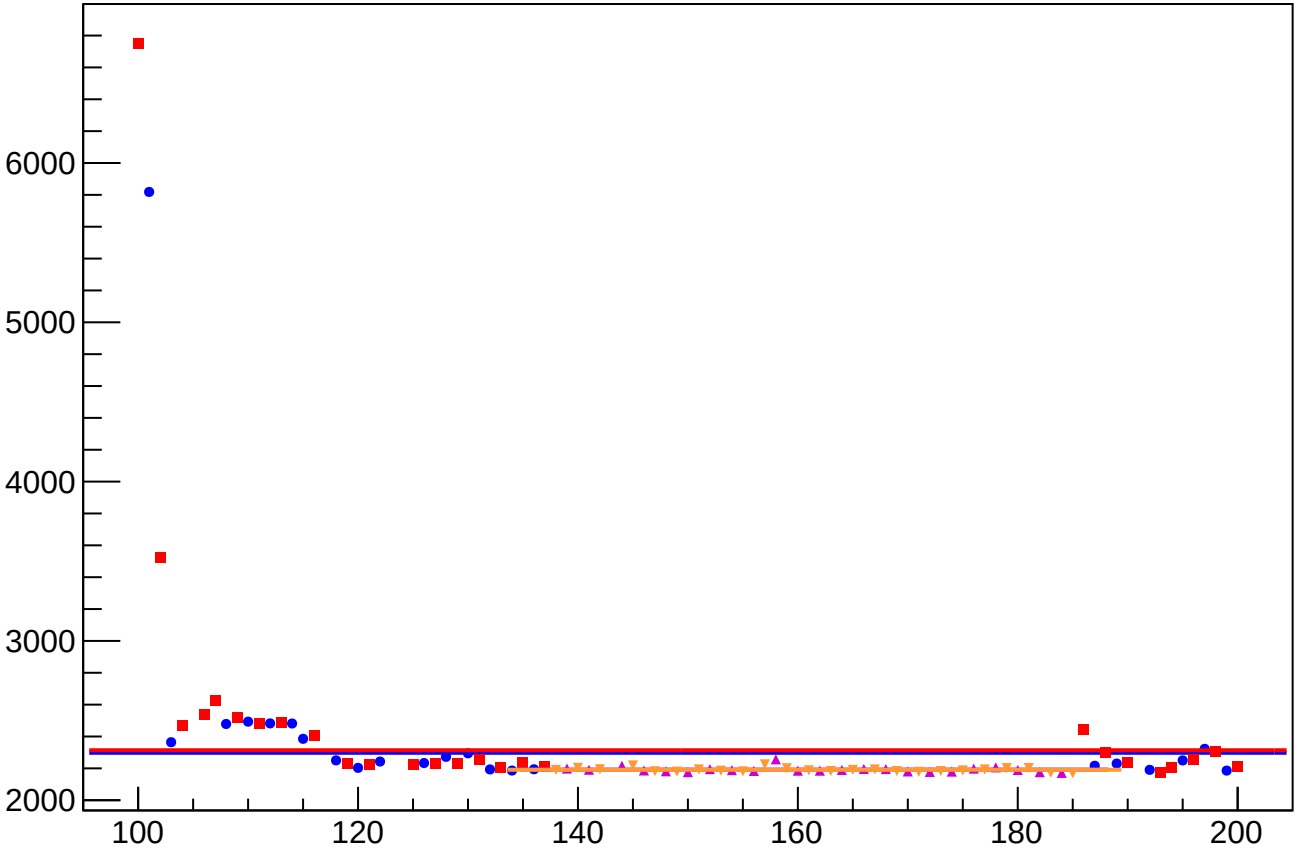
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3978.139+/-408.152 χ^2/NDF: 43.3/45

All: -138.968+/-285.716 χ^2/NDF: 296.7/94

- sign -4095.138+/-400.095 χ^2/NDF: 53.8/48

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.6/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

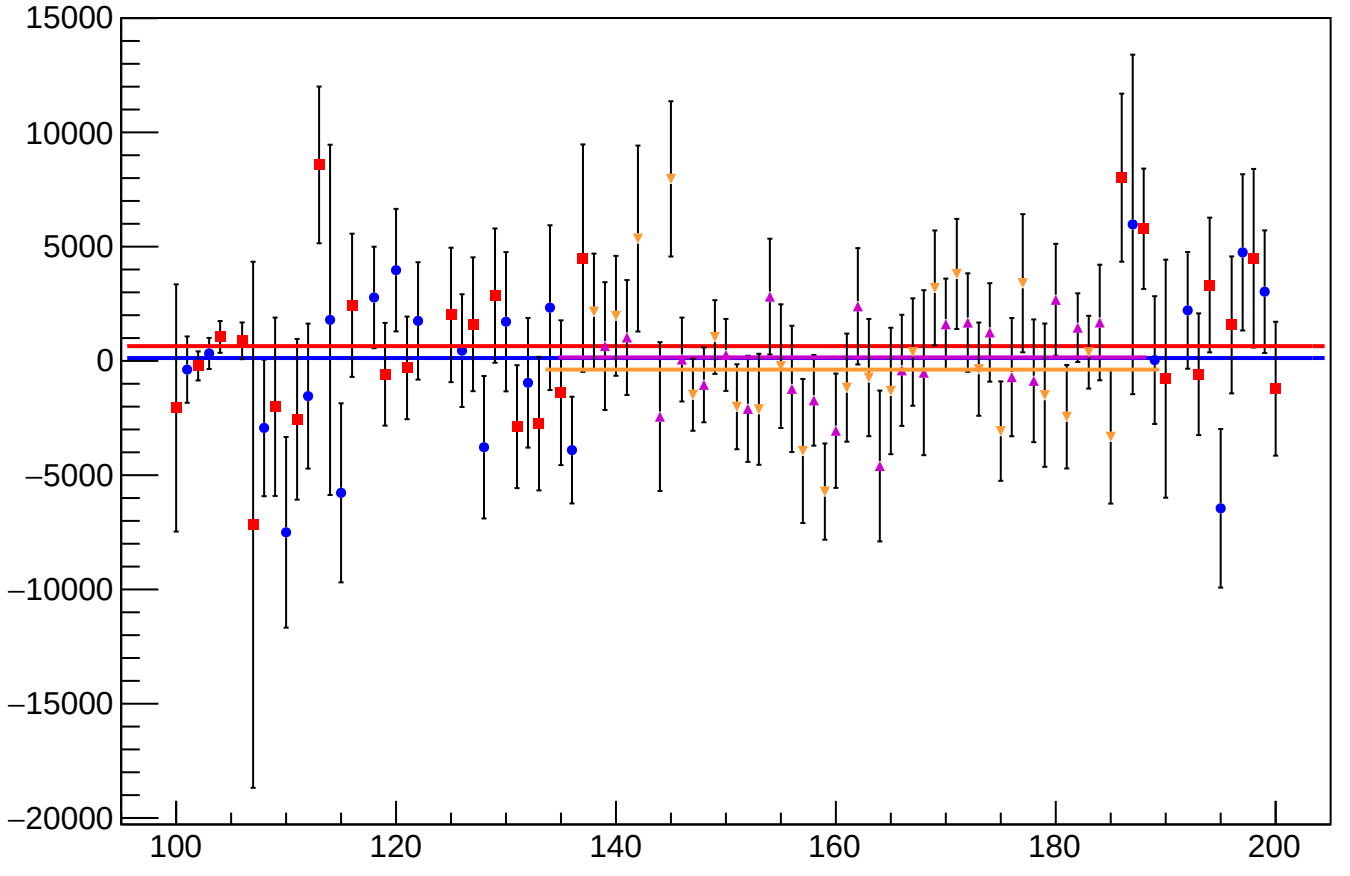
Right Out: 2313.703+/-0.454 χ^2/NDF: 236593.2/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.119+/-0.289 χ^2/NDF: 552399.6/45

All: 2234.397+/-0.202 χ^2/NDF: 835771.4/94

- sign 2239.470+/-0.283 χ^2/NDF: 282715.9/48



Right In: 125.789+/-453.962 χ^2/NDF: 24.3/21

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

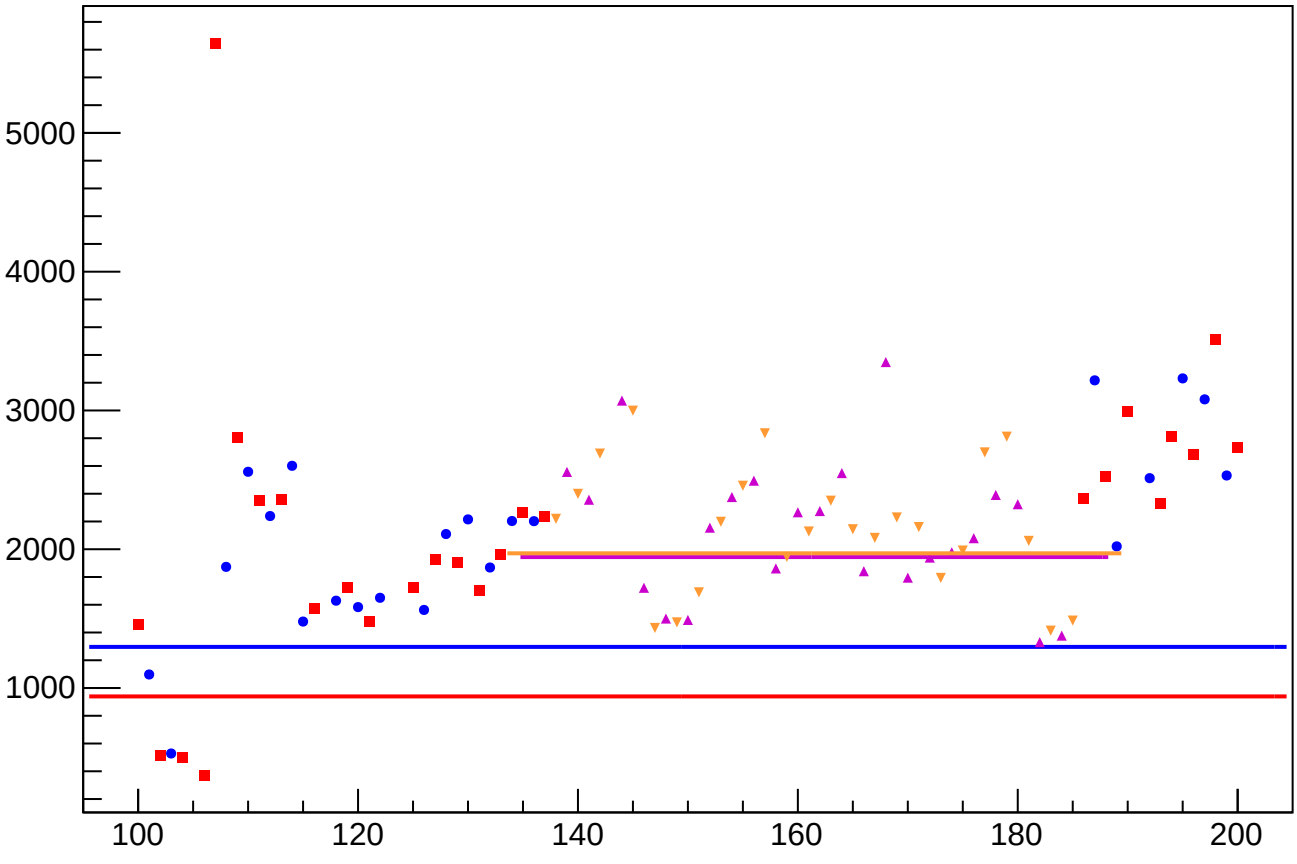
Right Out: 646.276+/-344.791 χ^2/NDF: 25.8/25

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -117.769+/-327.018 χ^2/NDF: 55.7/45

All: 225.745+/-211.627 χ^2/NDF: 96.9/94

- sign 473.265+/-277.590 χ^2/NDF: 39.3/48



Right In: 1296.296+/-0.321 χ^2/NDF: 6358528.7/21

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

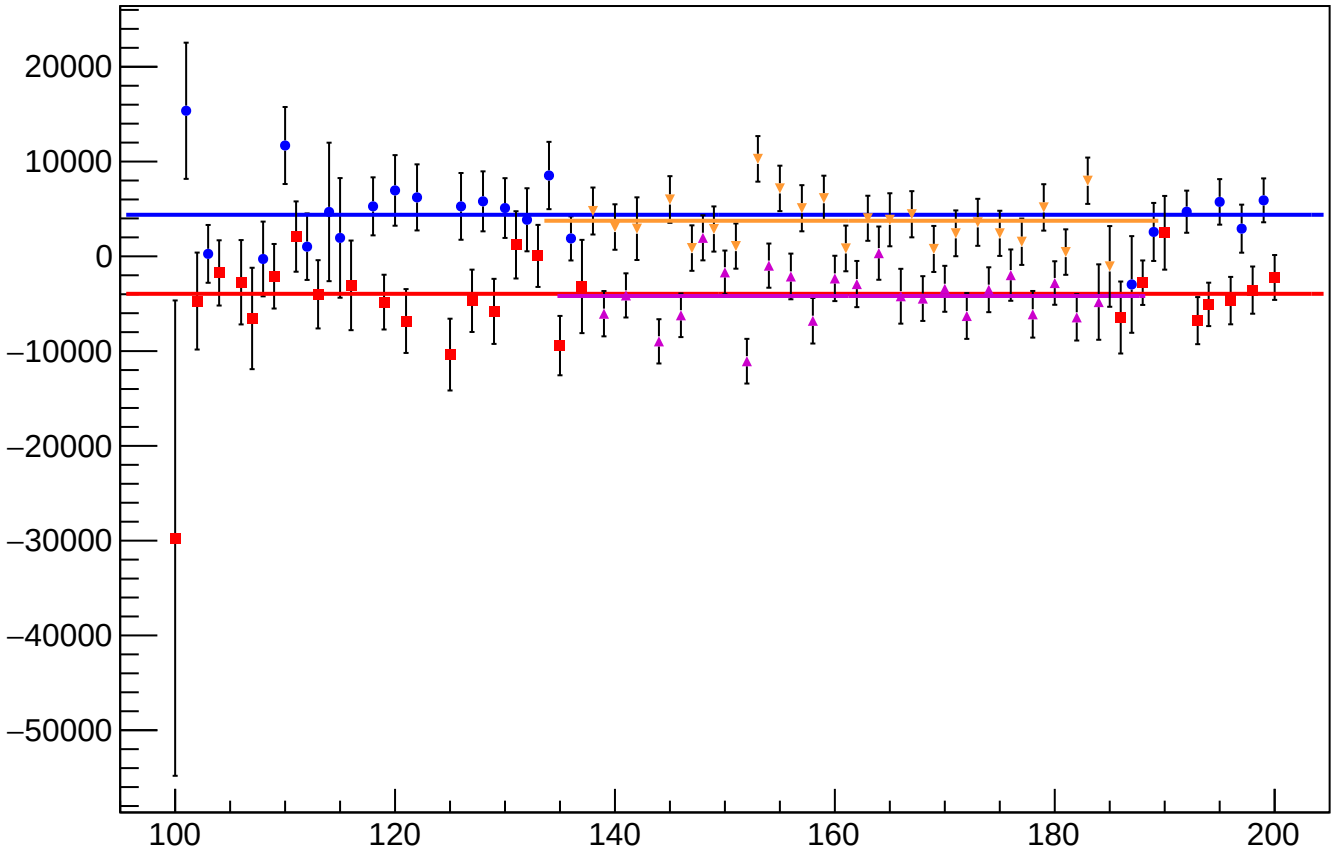
Right Out: 939.445+/-0.244 χ^2/NDF: 11088522.4/25

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1620.714+/-0.231 χ^2/NDF: 10178374.1/45

All: 1430.090+/-0.150 χ^2/NDF: 30287561.4/9

- sign 1292.734+/-0.196 χ^2/NDF: 18939917.7/48



Right In: 4383.636+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3955.244+/-641.460 χ^2/NDF: 21.1/25

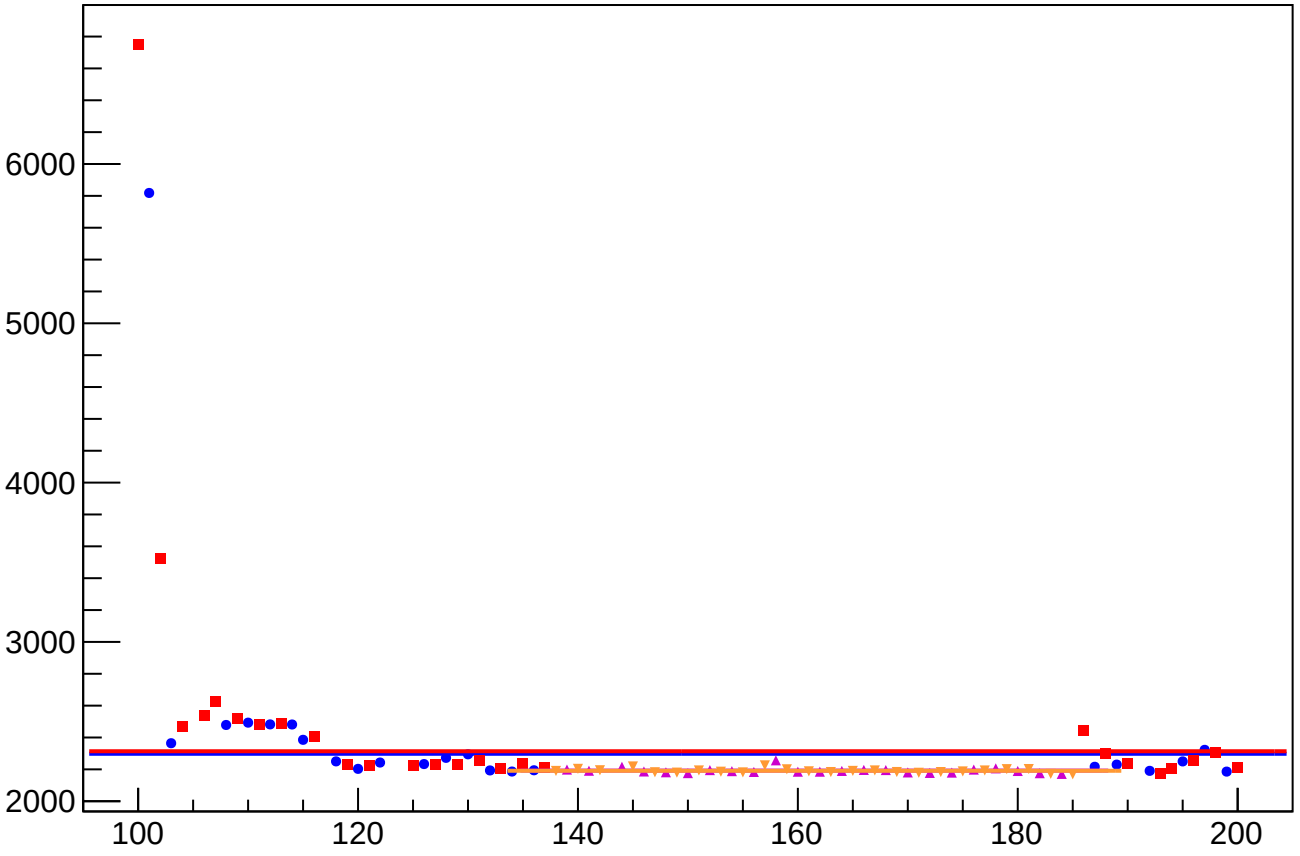
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3978.137+/-408.152 χ^2/NDF: 43.3/45

All: -138.969+/-285.716 χ^2/NDF: 296.7/94

- sign -4095.137+/-400.095 χ^2/NDF: 53.8/48

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.5/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

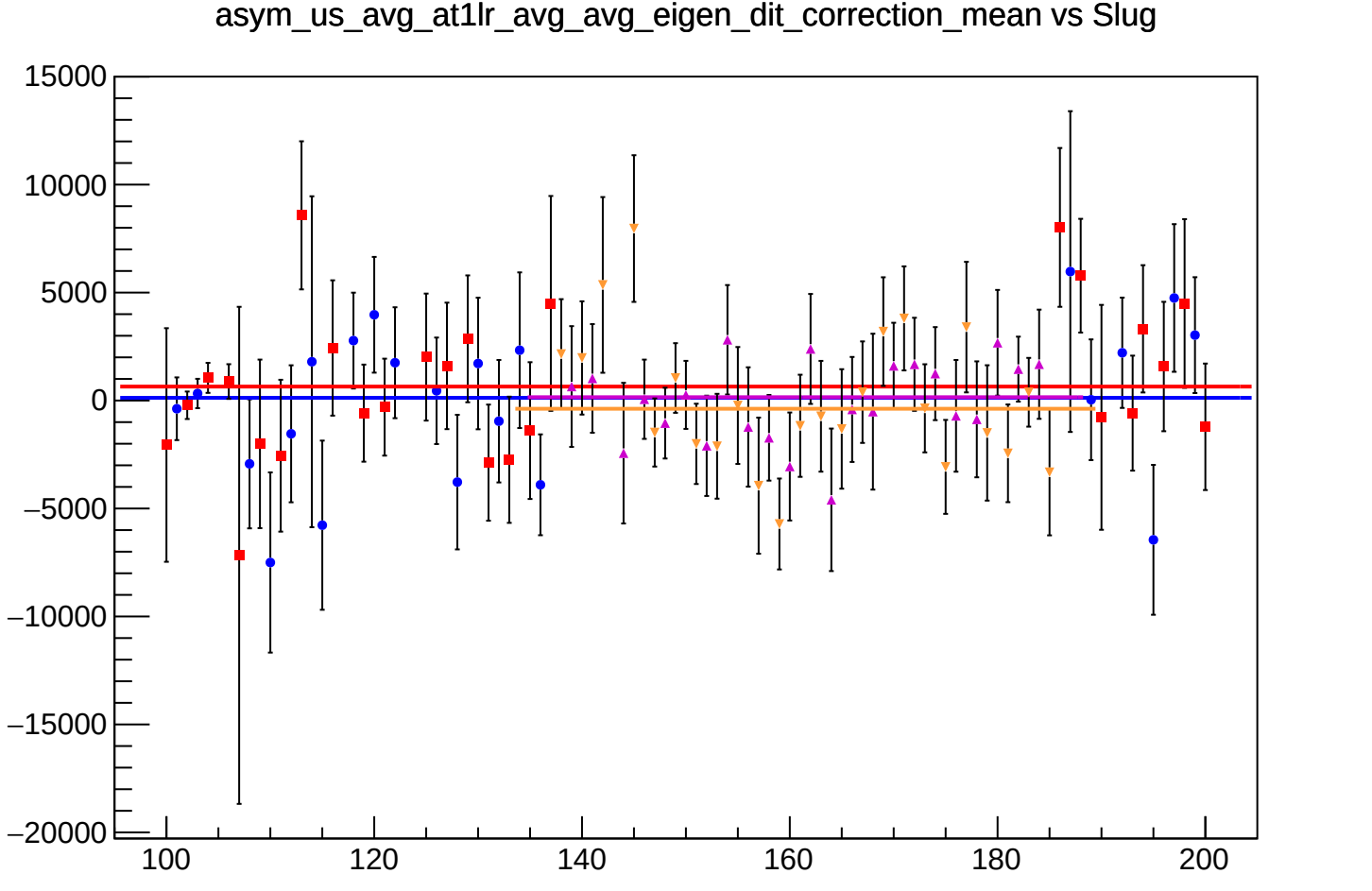
Right Out: 2313.703+/-0.454 χ^2/NDF: 236592.0/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.119+/-0.289 χ^2/NDF: 552399.3/45

All: 2234.397+/-0.202 χ^2/NDF: 835769.7/94

- sign 2239.469+/-0.283 χ^2/NDF: 282714.5/48



Right In: 125.784+/-453.964 χ^2/NDF: 24.3/21

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

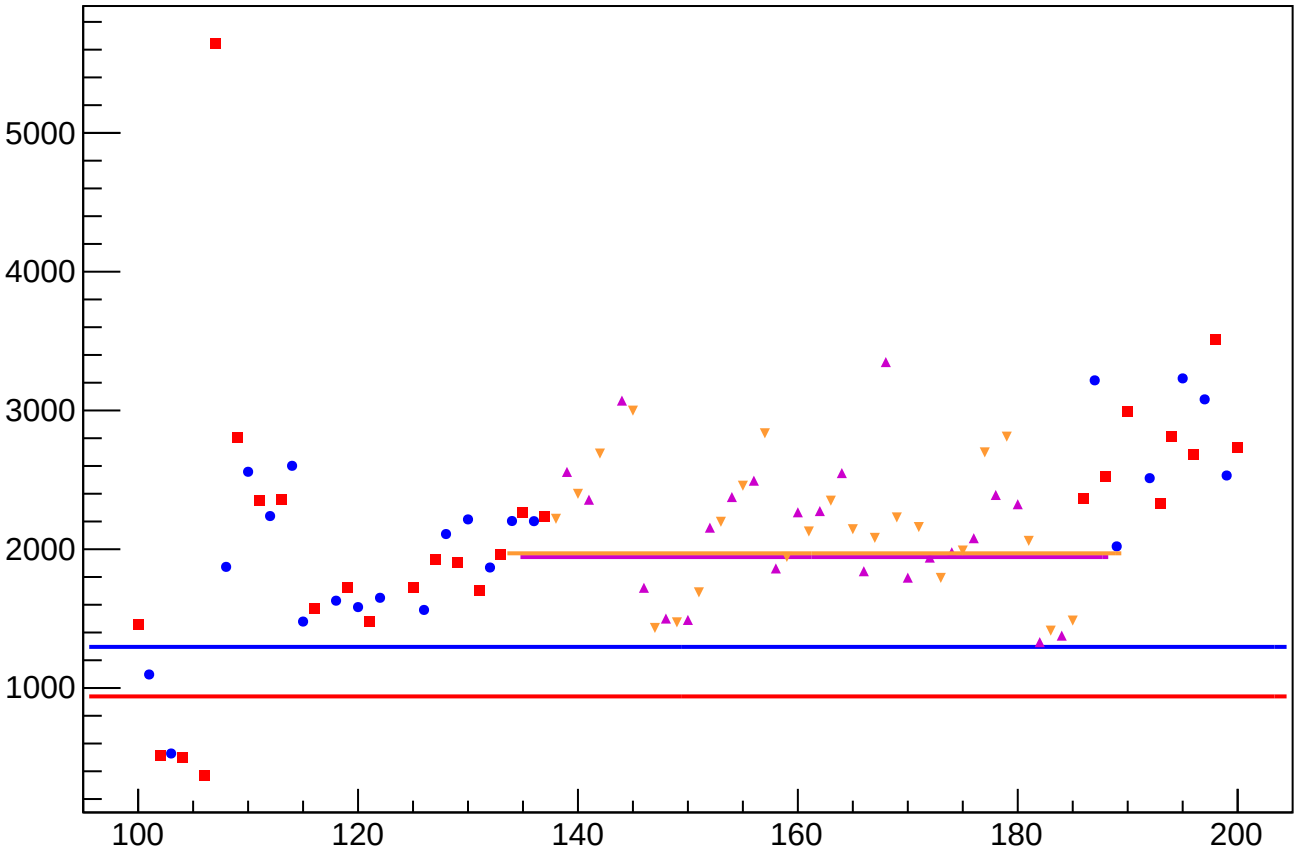
Right Out: 646.284+/-344.795 χ^2/NDF: 25.8/25

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -117.774+/-327.019 χ^2/NDF: 55.7/45

All: 225.743+/-211.628 χ^2/NDF: 96.9/94

- sign 473.267+/-277.593 χ^2/NDF: 39.3/48



Right In: 1296.306+/-0.321 χ^2/NDF: 6358423.8/21

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 939.463+/-0.244 χ^2/NDF: 11088314.3/25

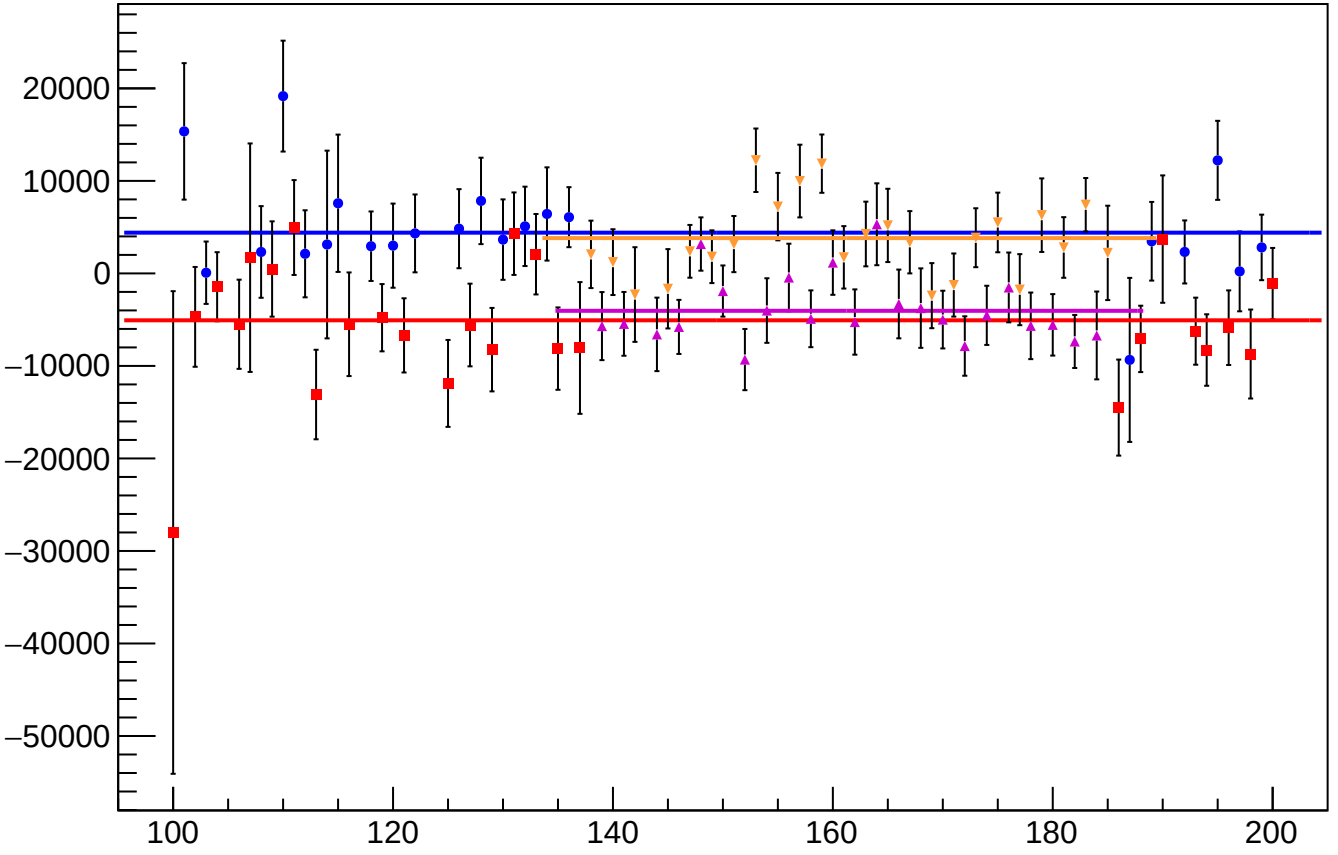
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1620.723+/-0.231 χ^2/NDF: 10178212.5/45

All: 1430.104+/-0.150 χ^2/NDF: 30286876.3/9

- sign 1292.752+/-0.196 χ^2/NDF: 18939473.7/48

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4404.271+/-949.847 χ^2/NDF: 19.1/21

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5069.253+/-907.424 χ^2/NDF: 28.0/25

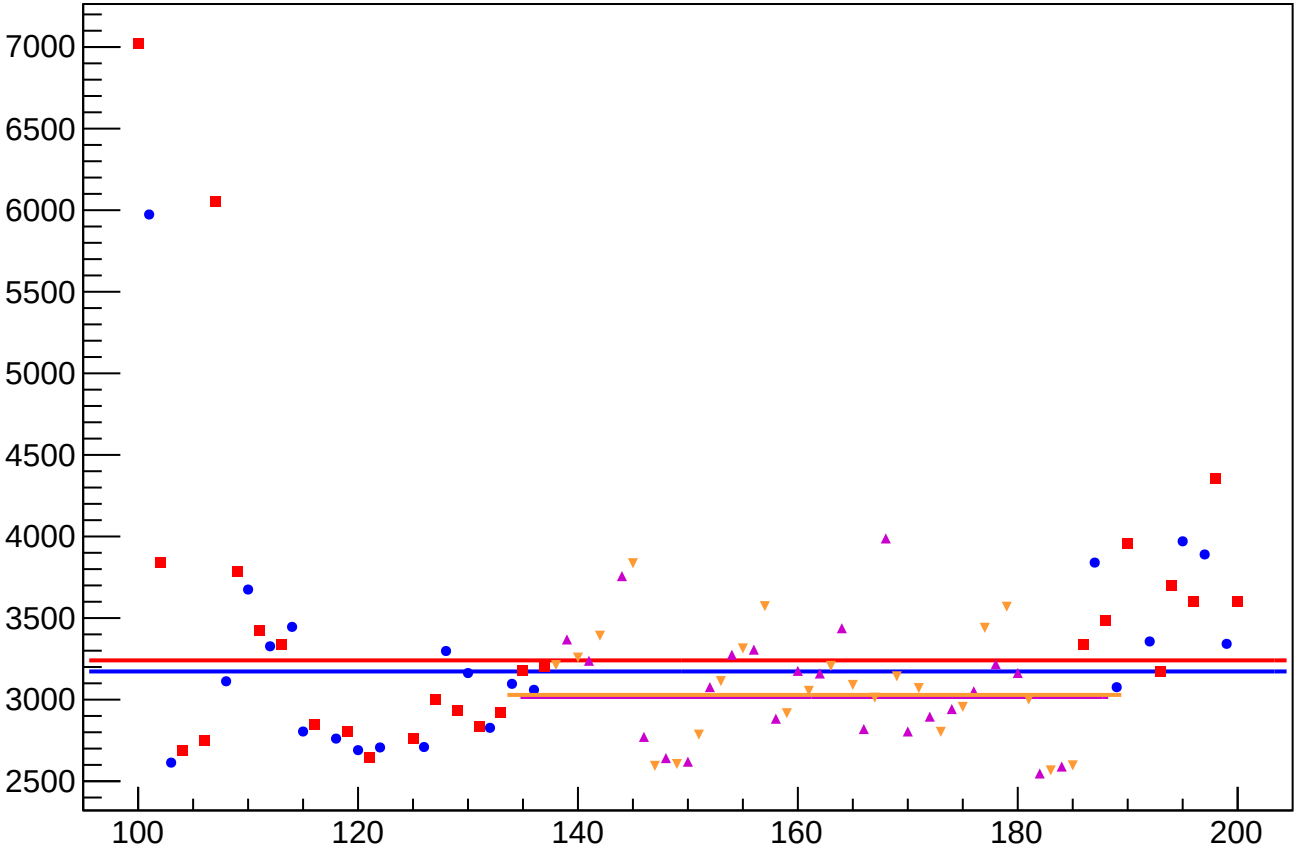
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4027.406+/-567.816 χ^2/NDF: 50.3/45

All: -268.756+/-398.341 χ^2/NDF: 214.3/94

- sign -4432.050+/-558.967 χ^2/NDF: 51.3/48

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3172.768+/-0.672 χ^2/NDF: 625721.7/21

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

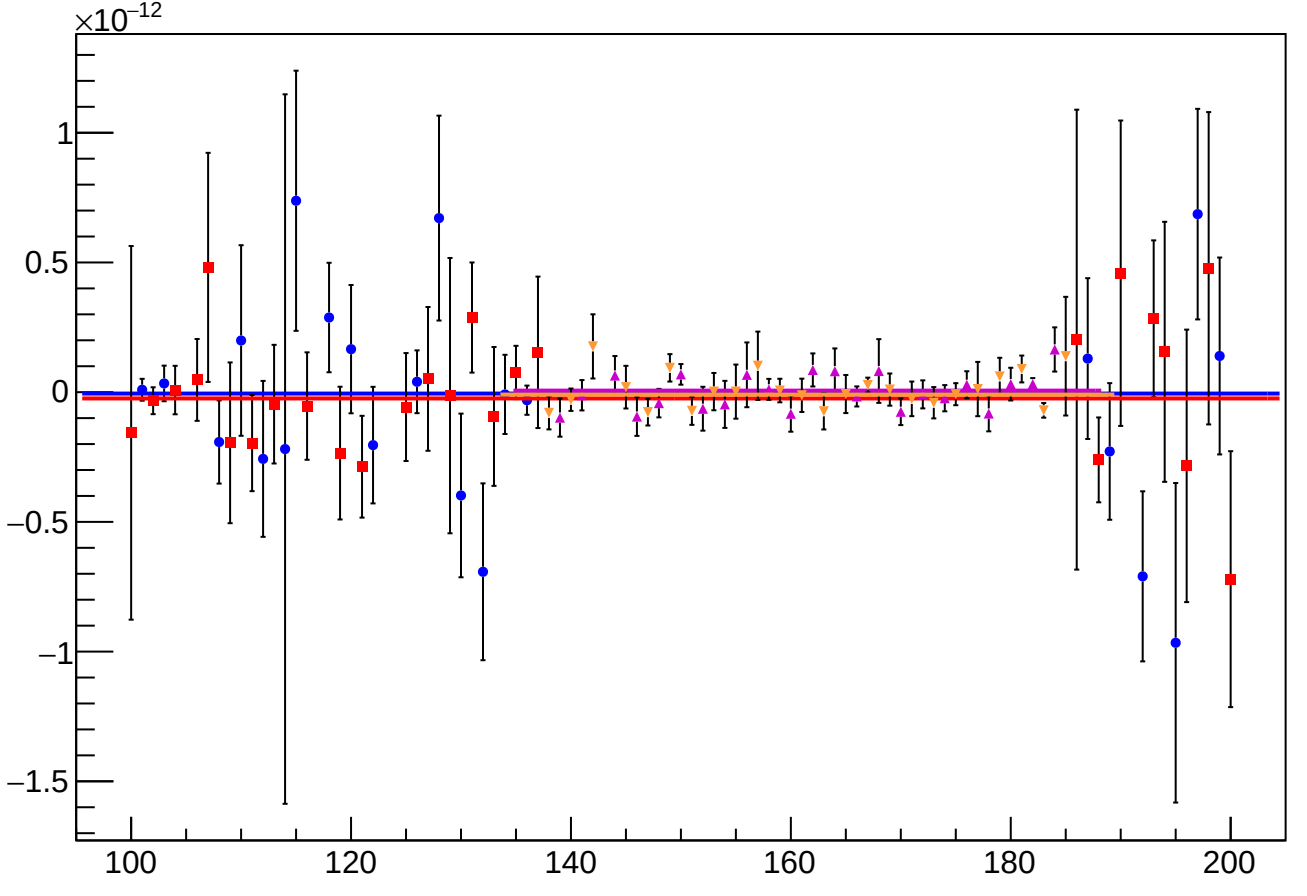
Right Out: 3240.608+/-0.642 χ^2/NDF: 609364.3/25

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3080.366+/-0.402 χ^2/NDF: 1052284.7/45

All: 3091.040+/-0.282 χ^2/NDF: 2178808.0/94

- sign 3101.384+/-0.395 χ^2/NDF: 1125131.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

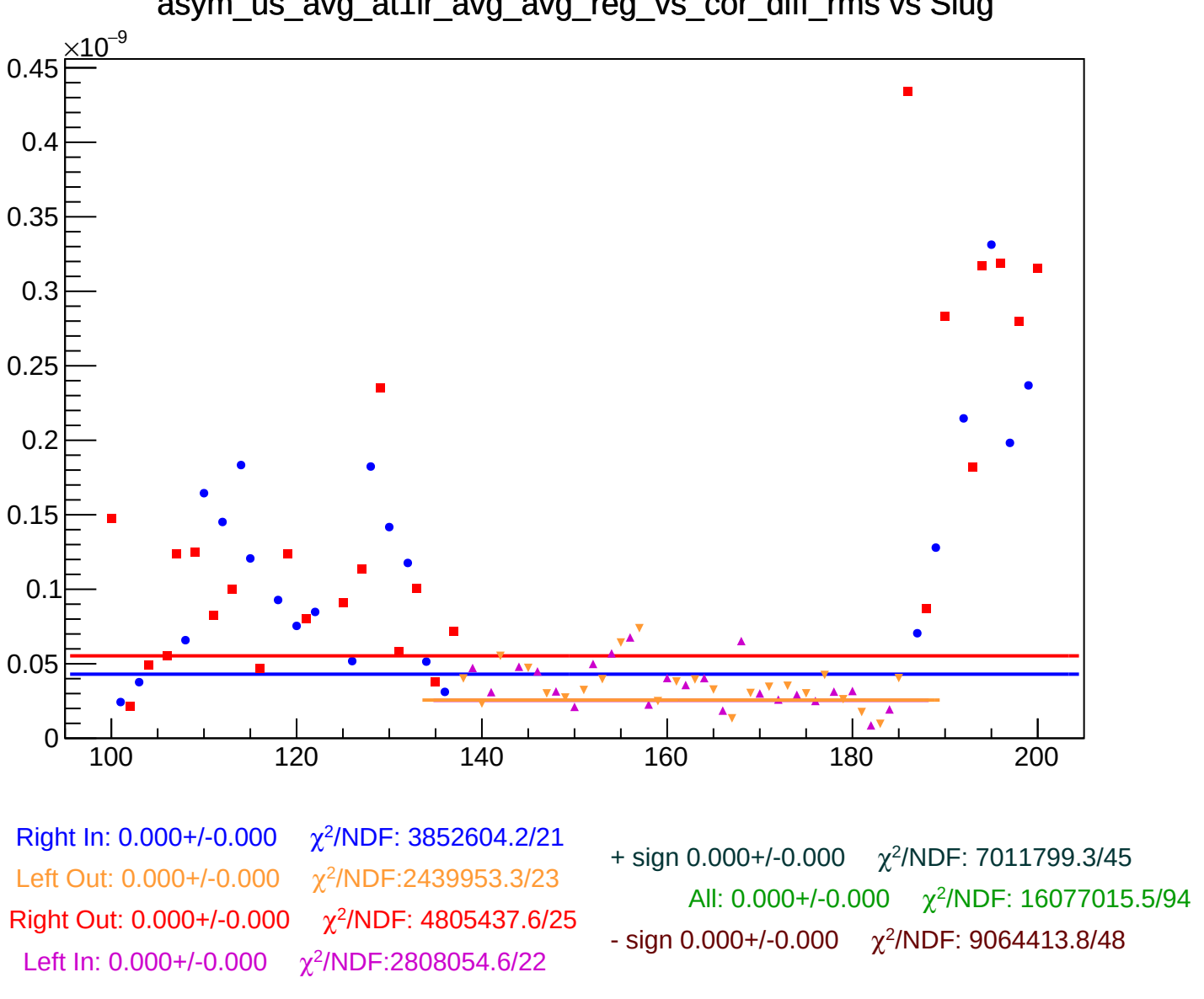
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/25

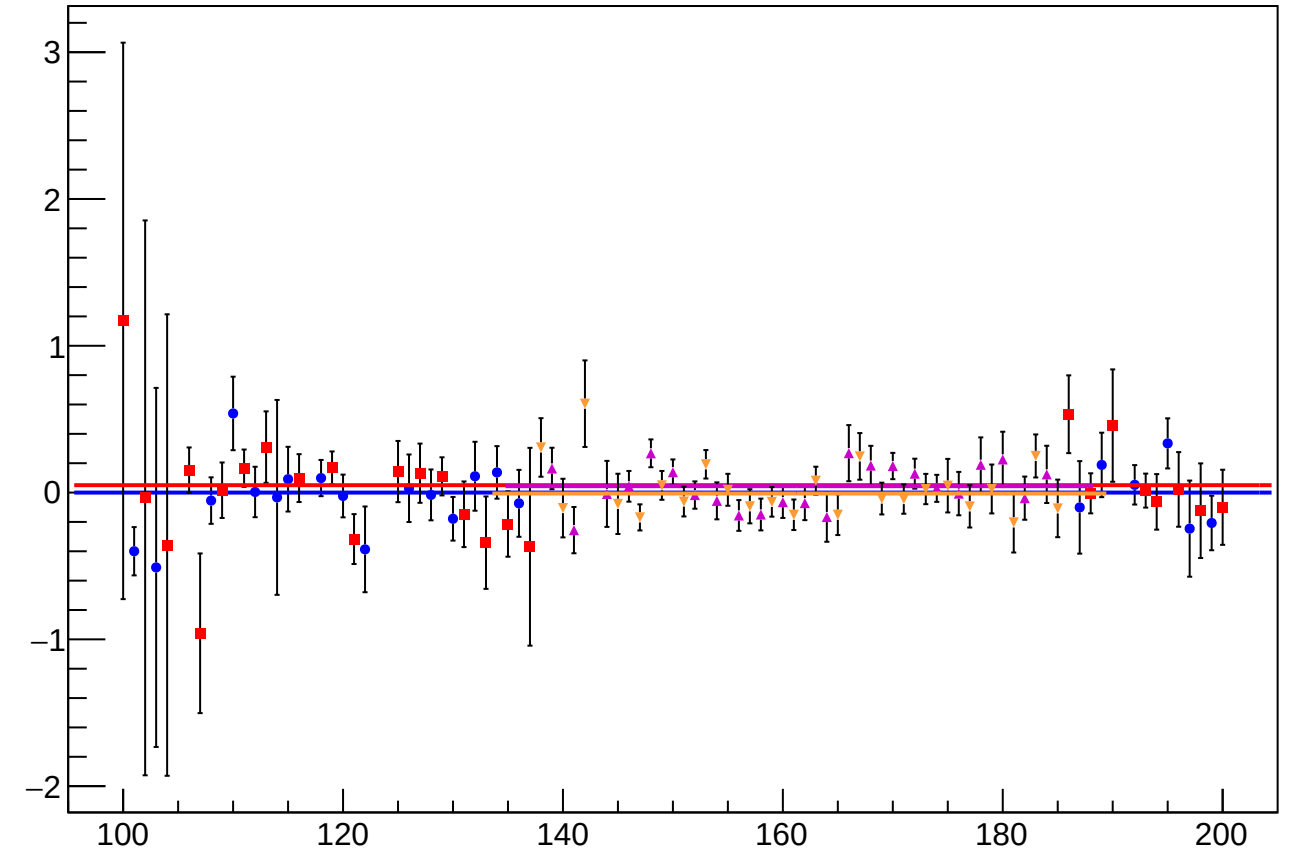
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.3/45

All: -0.000+/-0.000 χ^2/NDF: 92.9/94

- sign 0.000+/-0.000 χ^2/NDF: 40.0/48


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3852604.2/21
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4805437.6/25
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7011799.3/45
All: 0.000+/-0.000 χ²/NDF: 16077015.5/94
- sign 0.000+/-0.000 χ²/NDF: 9064413.8/48



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

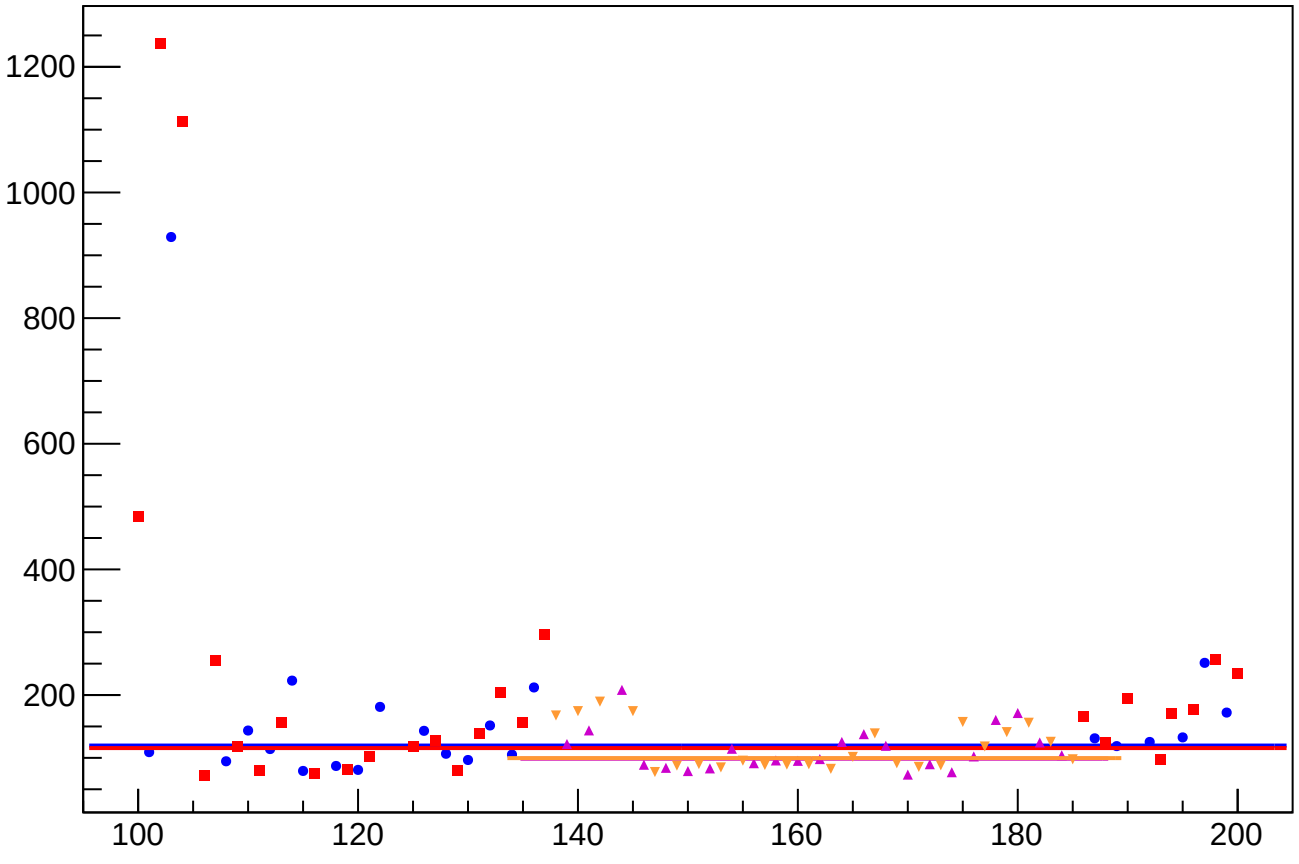
Right Out: 0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.005+/-0.022 χ^2/NDF: 50.2/45

All: 0.021+/-0.015 χ^2/NDF: 105.9/94

- sign 0.046+/-0.021 χ^2/NDF: 52.9/48



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

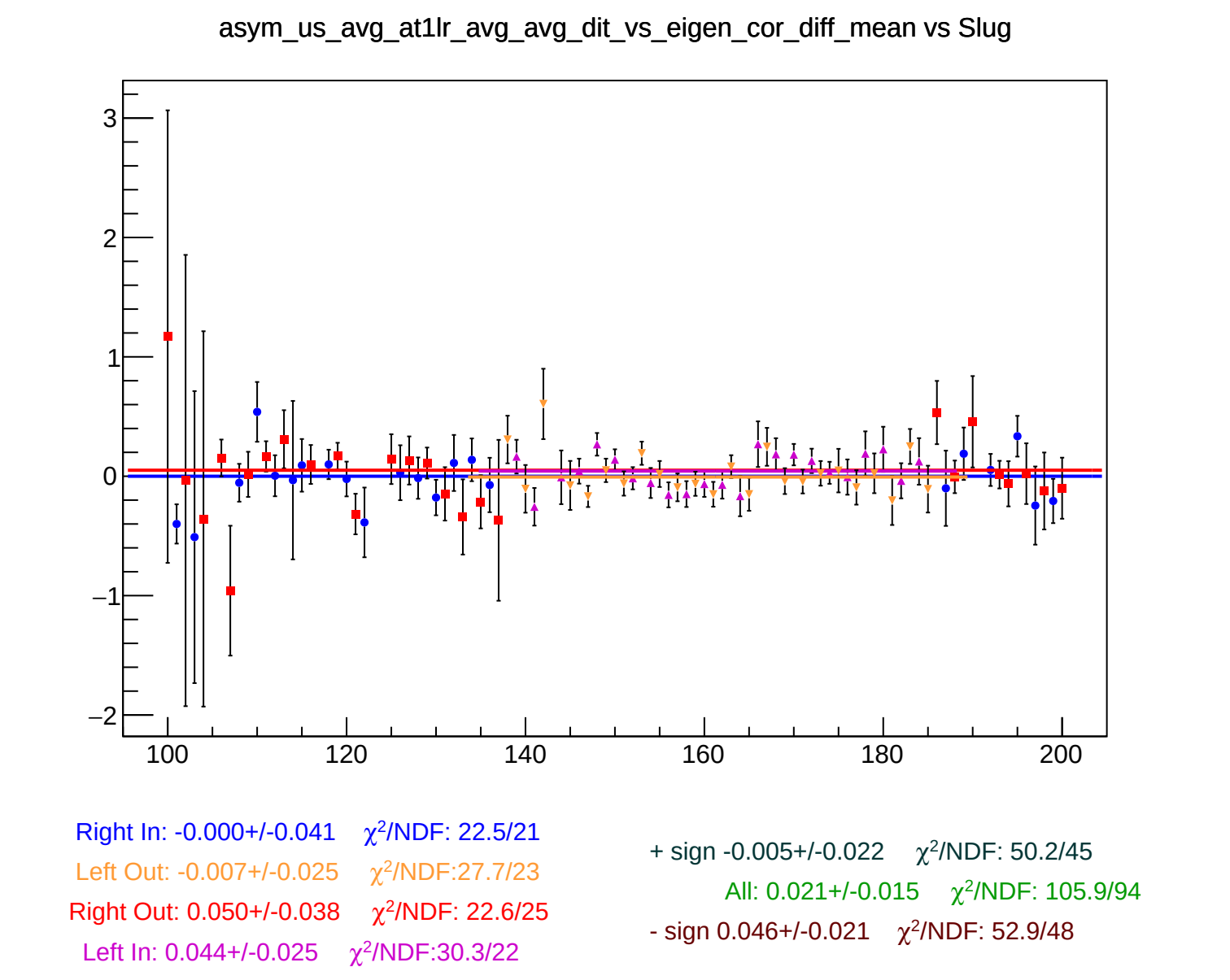
Right Out: 115.564+/-0.027 χ^2/NDF: 4292747.3/25

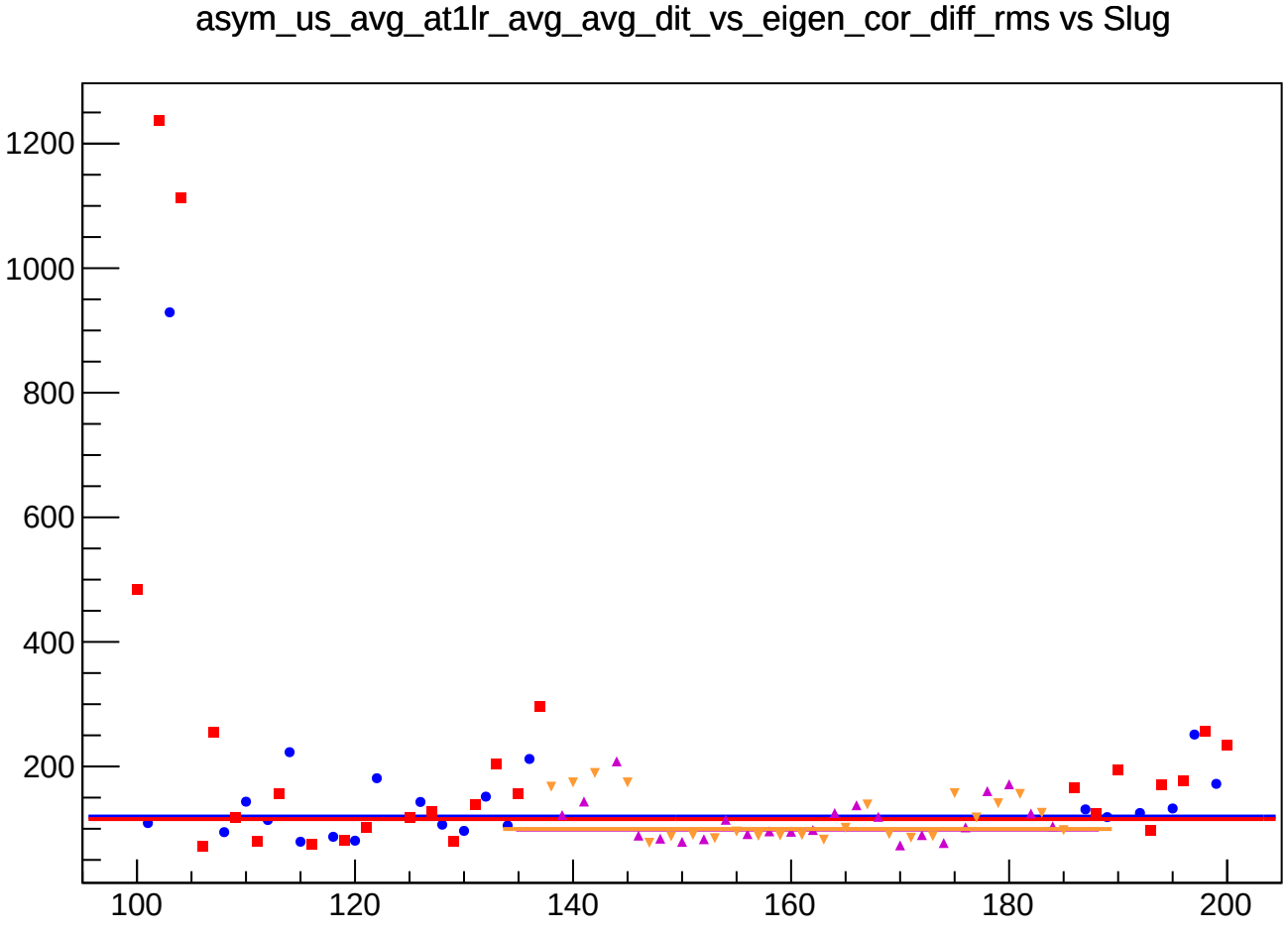
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817740.3/45

All: 104.424+/-0.011 χ^2/NDF: 11390890.8/94

- sign 103.736+/-0.015 χ^2/NDF: 6568736.6/48


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.050+/-0.038 χ²/NDF: 22.6/25
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.9/94
- sign 0.046+/-0.021 χ²/NDF: 52.9/48



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

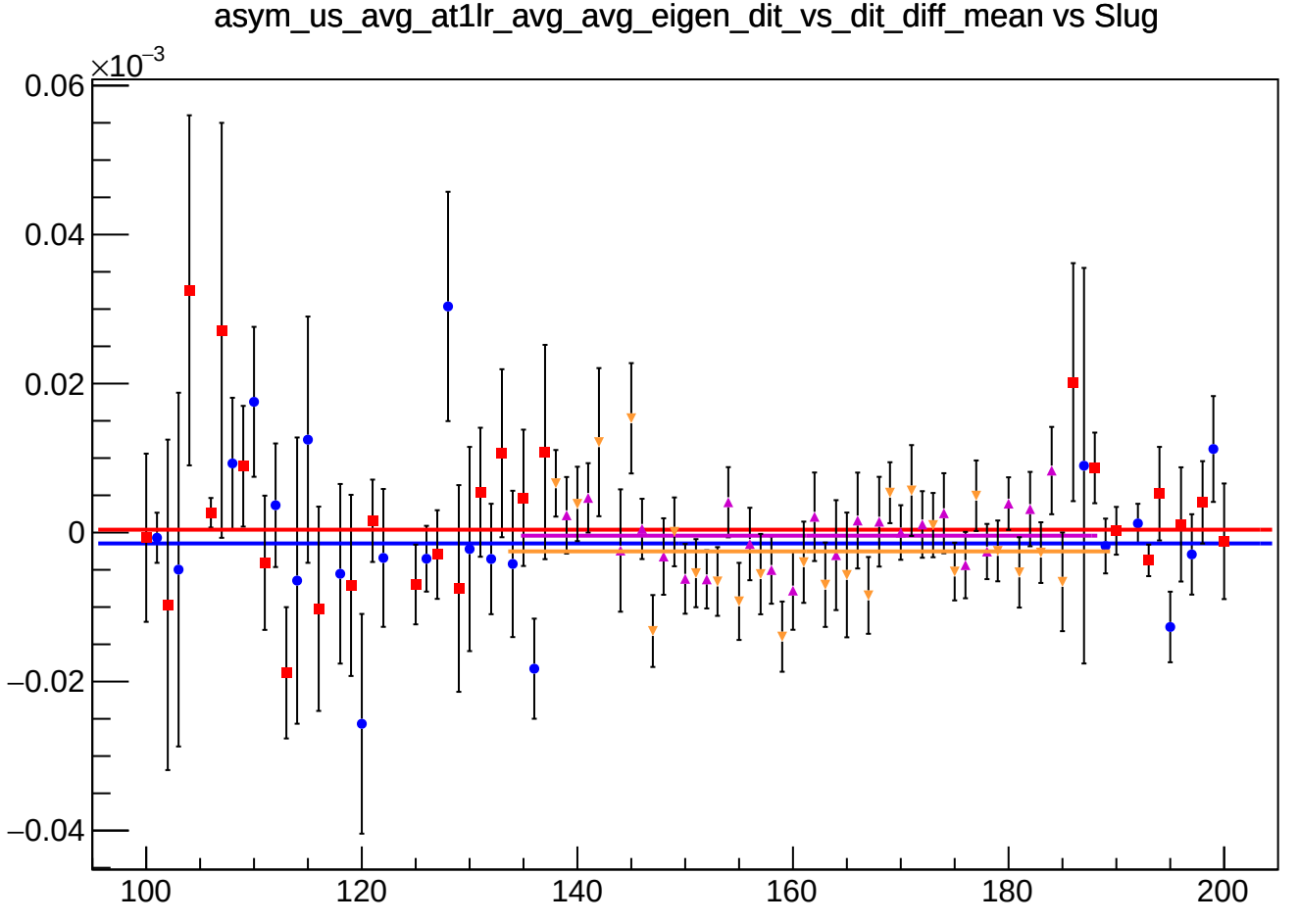
Right Out: 115.564+/-0.027 χ^2/NDF: 4292747.3/25

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817740.3/45

All: 104.424+/-0.011 χ^2/NDF: 11390890.8/94

- sign 103.736+/-0.015 χ^2/NDF: 6568736.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

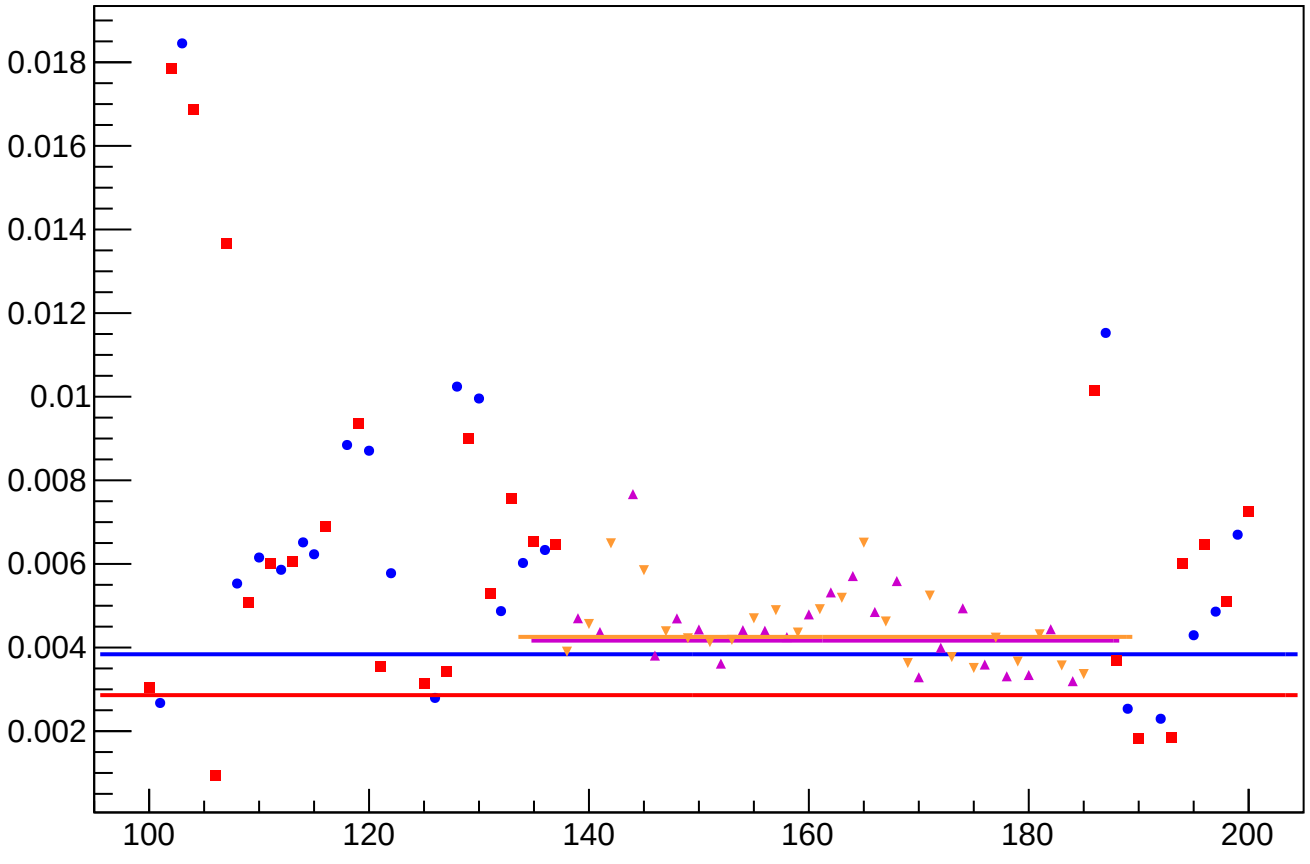
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/25

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.7/45

All: -0.000+/-0.000 χ^2/NDF: 116.0/94

- sign -0.000+/-0.000 χ^2/NDF: 41.5/48



Right In: 0.004+/-0.000 χ^2/NDF: 4814185.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

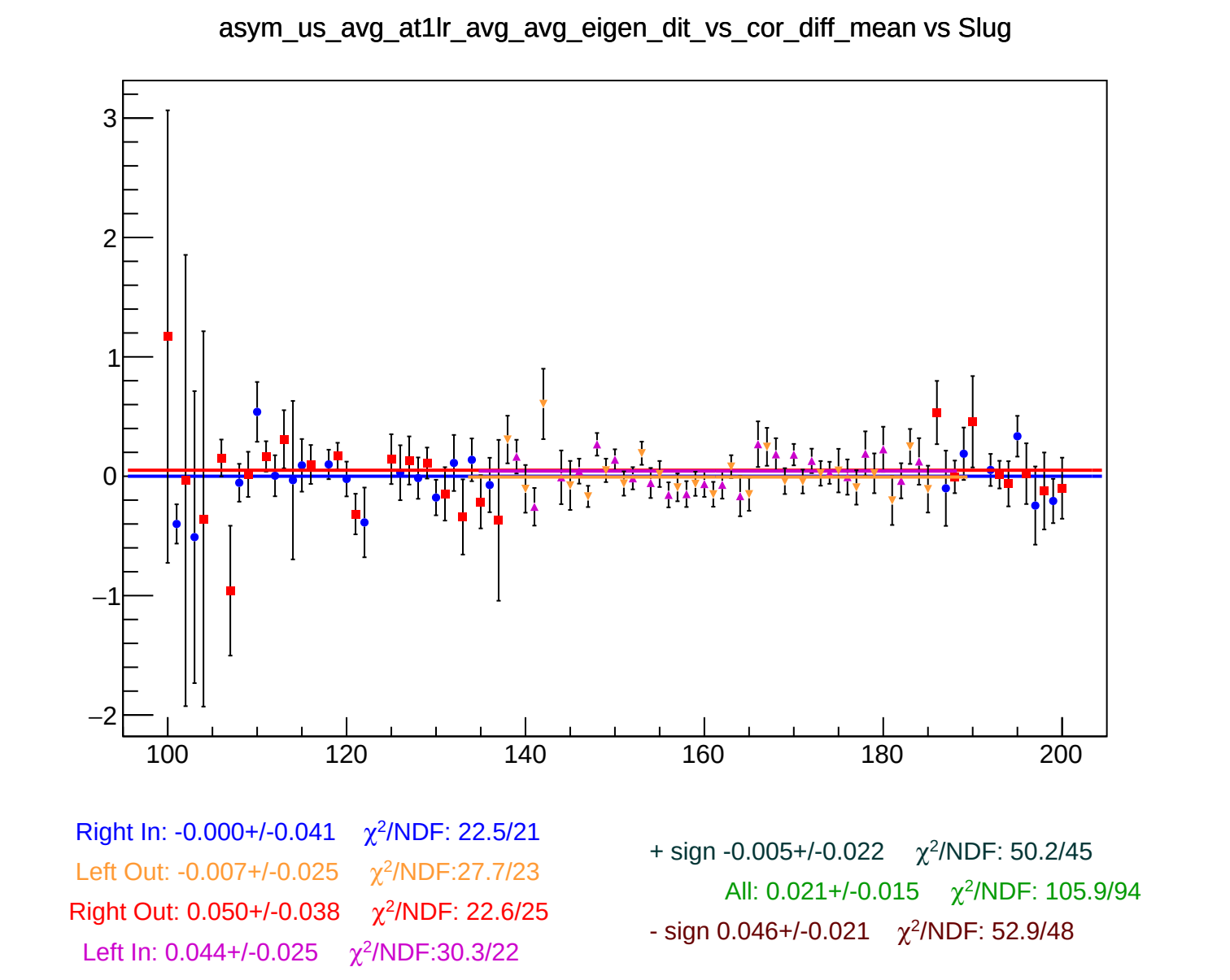
Right Out: 0.003+/-0.000 χ^2/NDF: 9654021.0/25

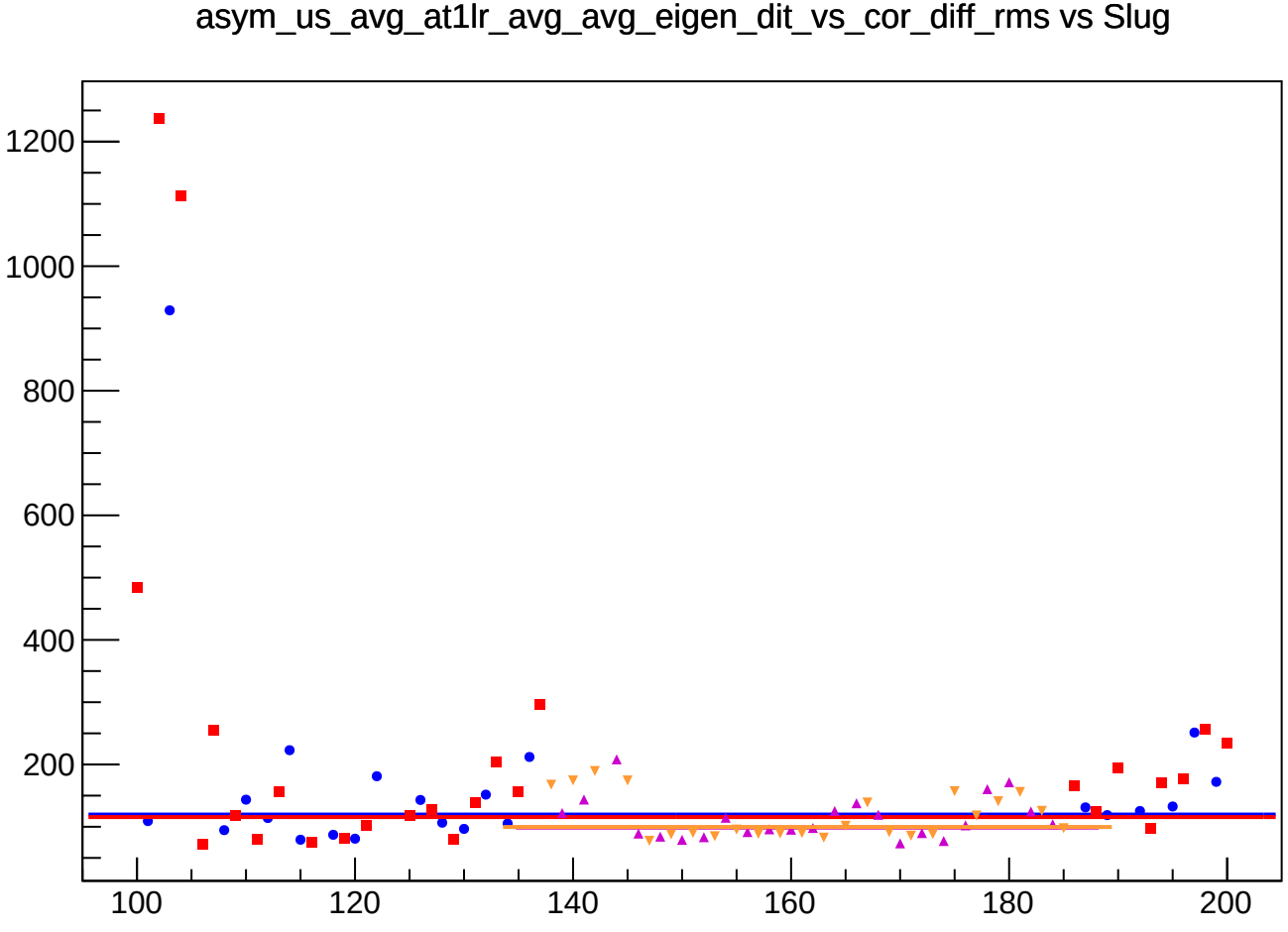
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5774234.5/45

All: 0.004+/-0.000 χ^2/NDF: 18872719.2/94

- sign 0.004+/-0.000 χ^2/NDF: 12568662.8/48


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.050+/-0.038 χ²/NDF: 22.6/25
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.9/94
- sign 0.046+/-0.021 χ²/NDF: 52.9/48



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

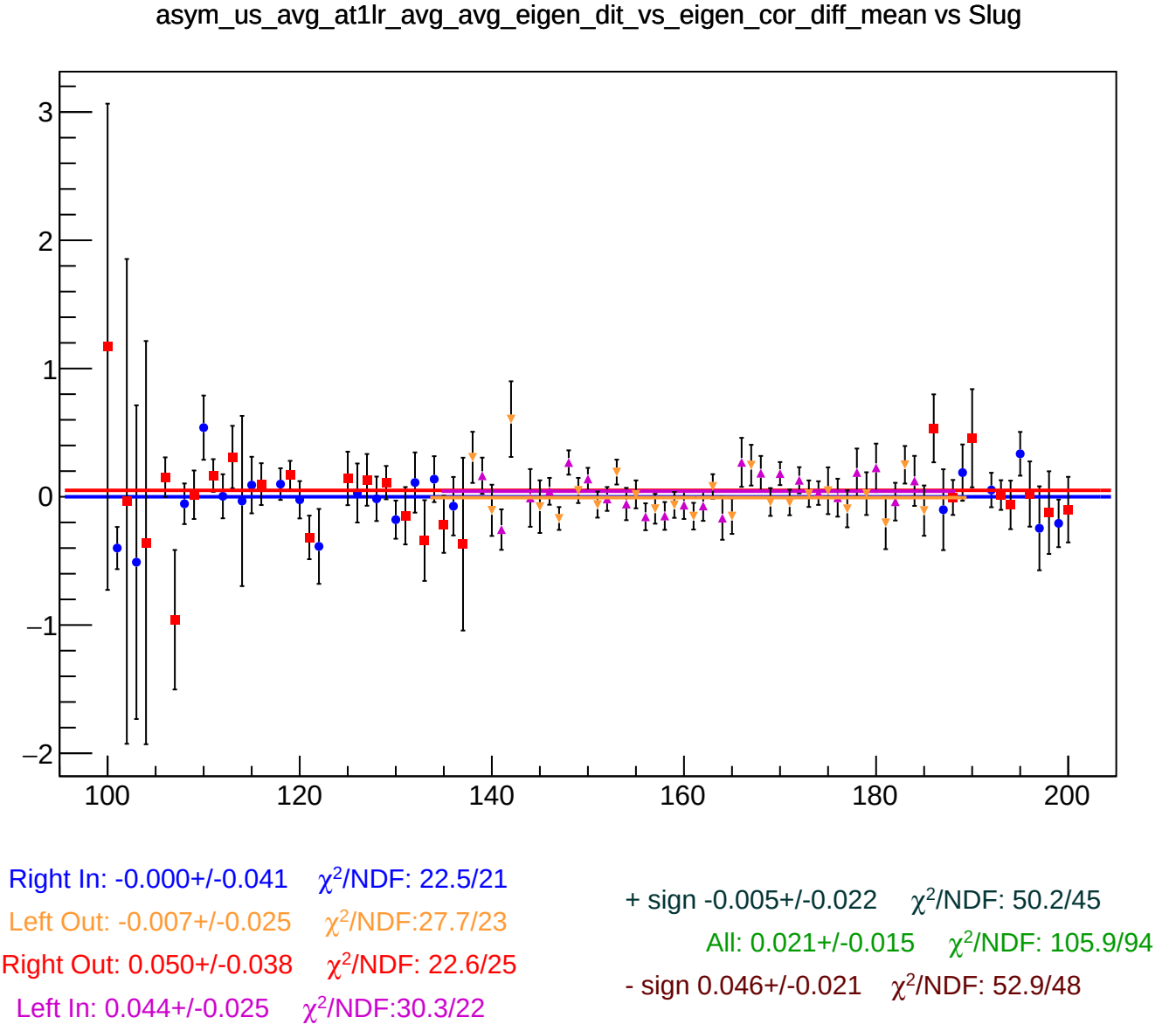
Right Out: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

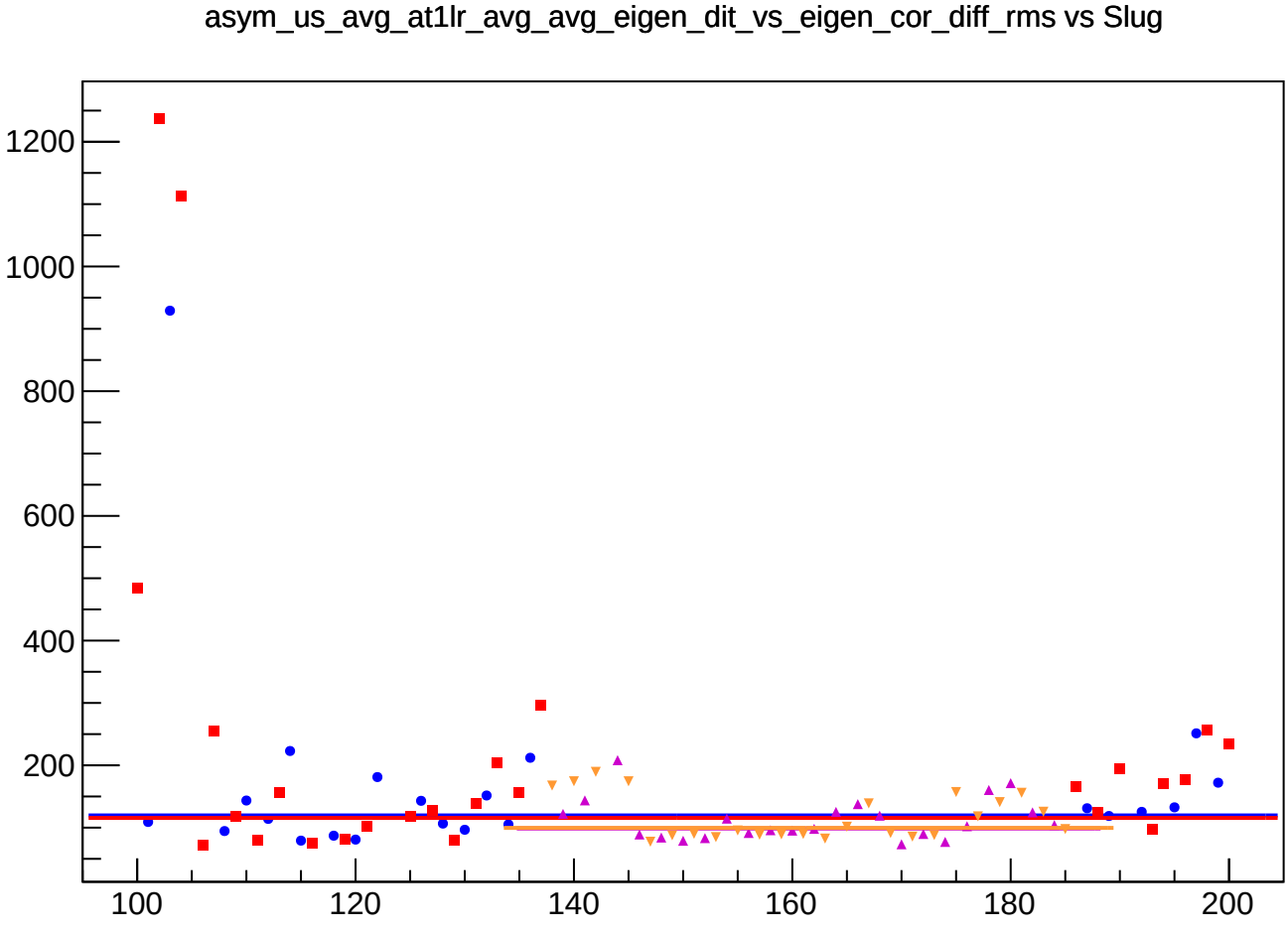
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817699.7/45

All: 104.424+/-0.011 χ^2/NDF: 11390786.3/94

- sign 103.736+/-0.015 χ^2/NDF: 6568672.4/48


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.050+/-0.038 χ²/NDF: 22.6/25
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.9/94
- sign 0.046+/-0.021 χ²/NDF: 52.9/48



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

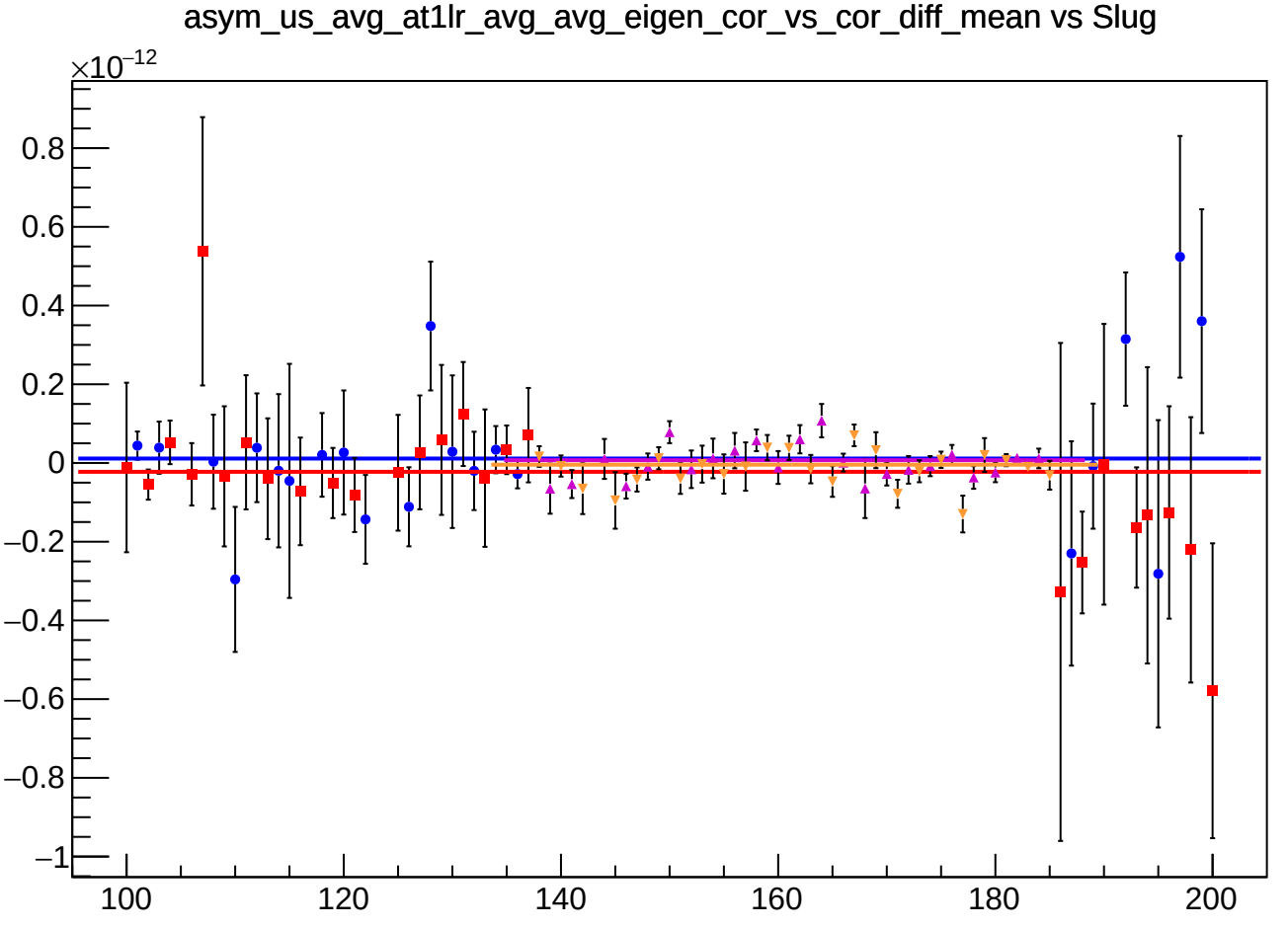
Right Out: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817699.7/45

All: 104.424+/-0.011 χ^2/NDF: 11390786.3/94

- sign 103.736+/-0.015 χ^2/NDF: 6568672.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

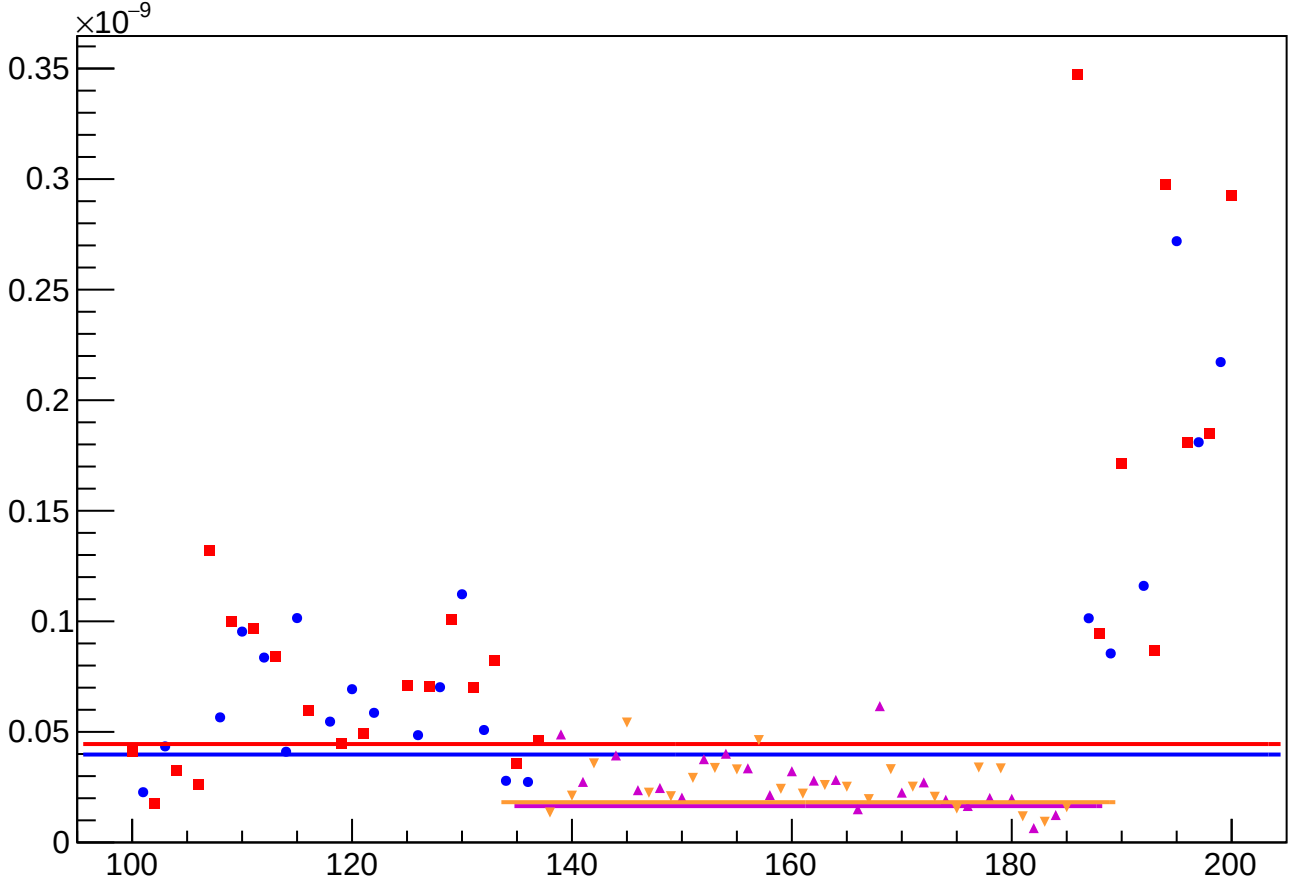
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/25

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/45

All: 0.000+/-0.000 χ^2/NDF: 109.7/94

- sign 0.000+/-0.000 χ^2/NDF: 53.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4414142.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6161499.0/25

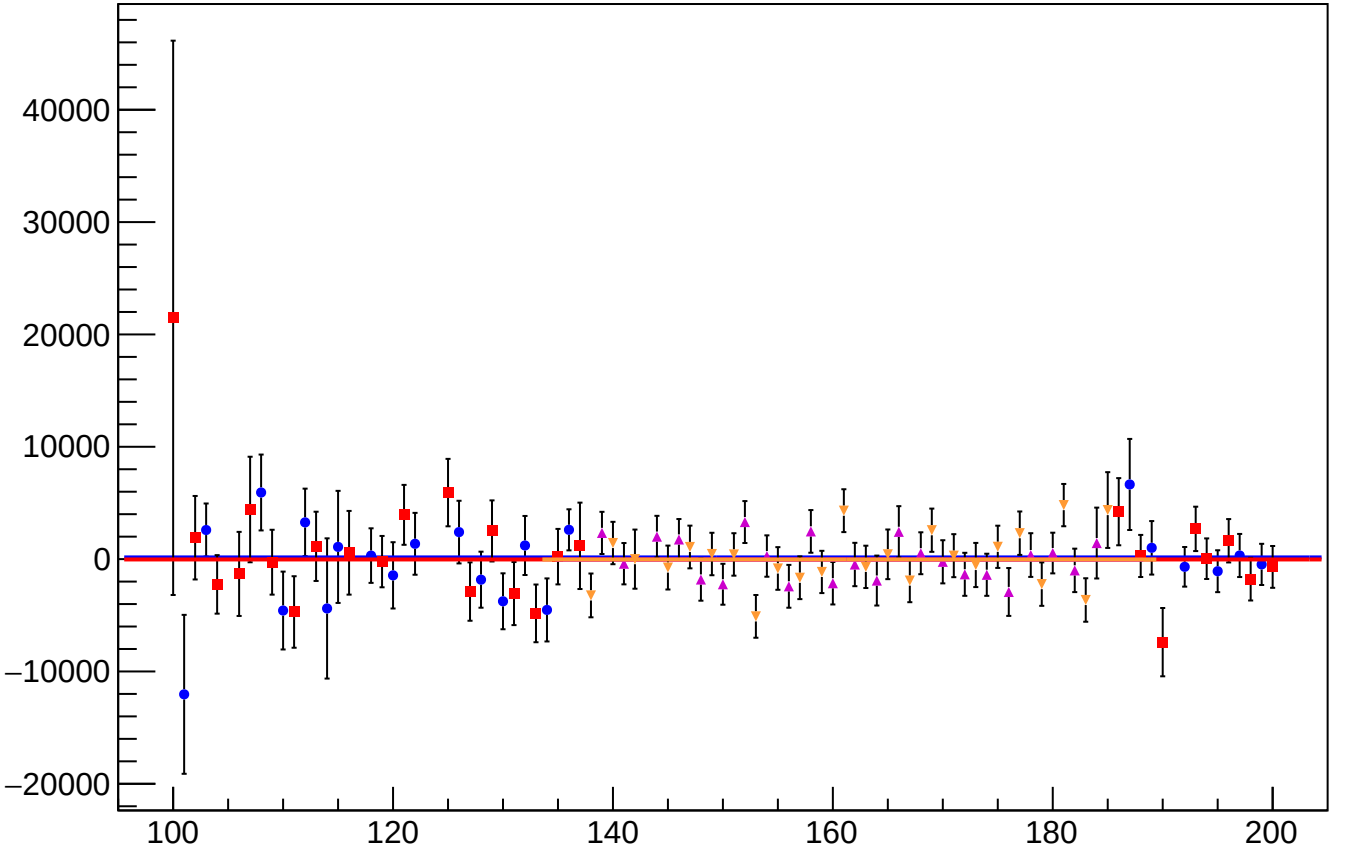
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11125003.8/45

All: 0.000+/-0.000 χ^2/NDF: 27798392.5/94

- sign 0.000+/-0.000 χ^2/NDF: 16551810.2/48

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 151.402+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -29.807+/-508.149 χ^2/NDF: 29.7/25

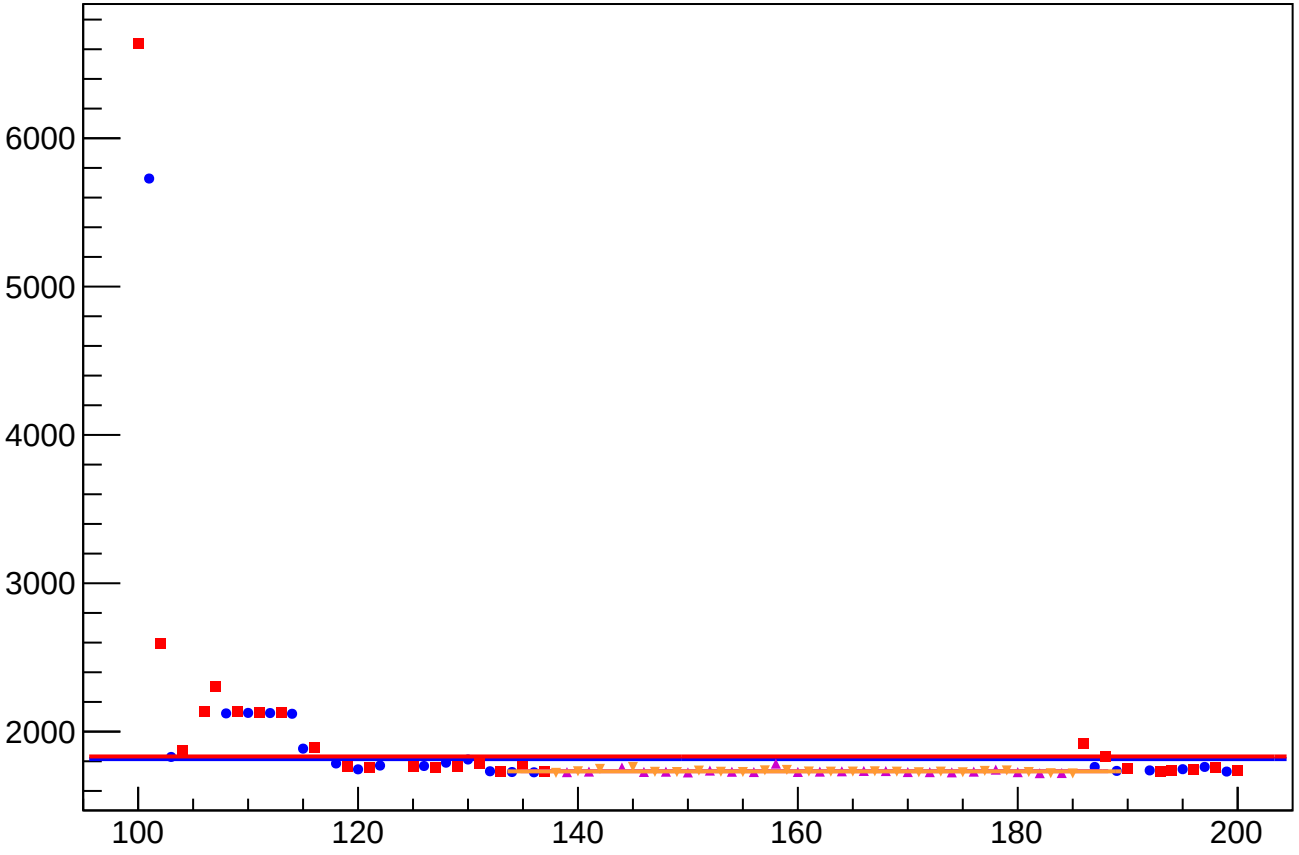
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 31.236+/-322.919 χ^2/NDF: 58.4/45

All: -7.064+/-226.061 χ^2/NDF: 107.5/94

- sign -43.874+/-316.571 χ^2/NDF: 49.1/48

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.6/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

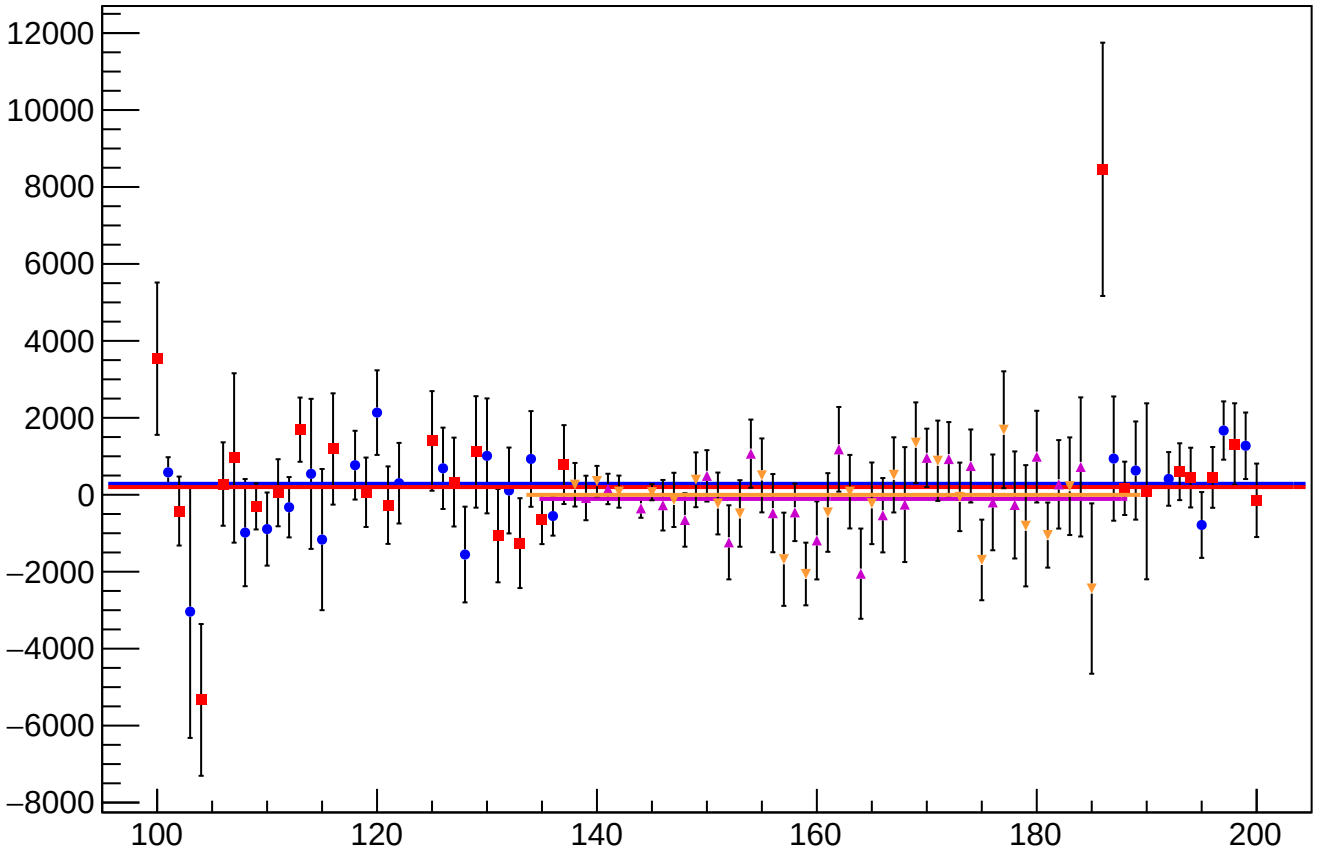
Right Out: 1832.408+/-0.359 χ^2/NDF: 292585.4/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.9/45

All: 1766.625+/-0.160 χ^2/NDF: 1070835.9/94

- sign 1771.775+/-0.224 χ^2/NDF: 341353.3/48



Right In: 284.943+/-188.501 χ^2/NDF: 20.4/21

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

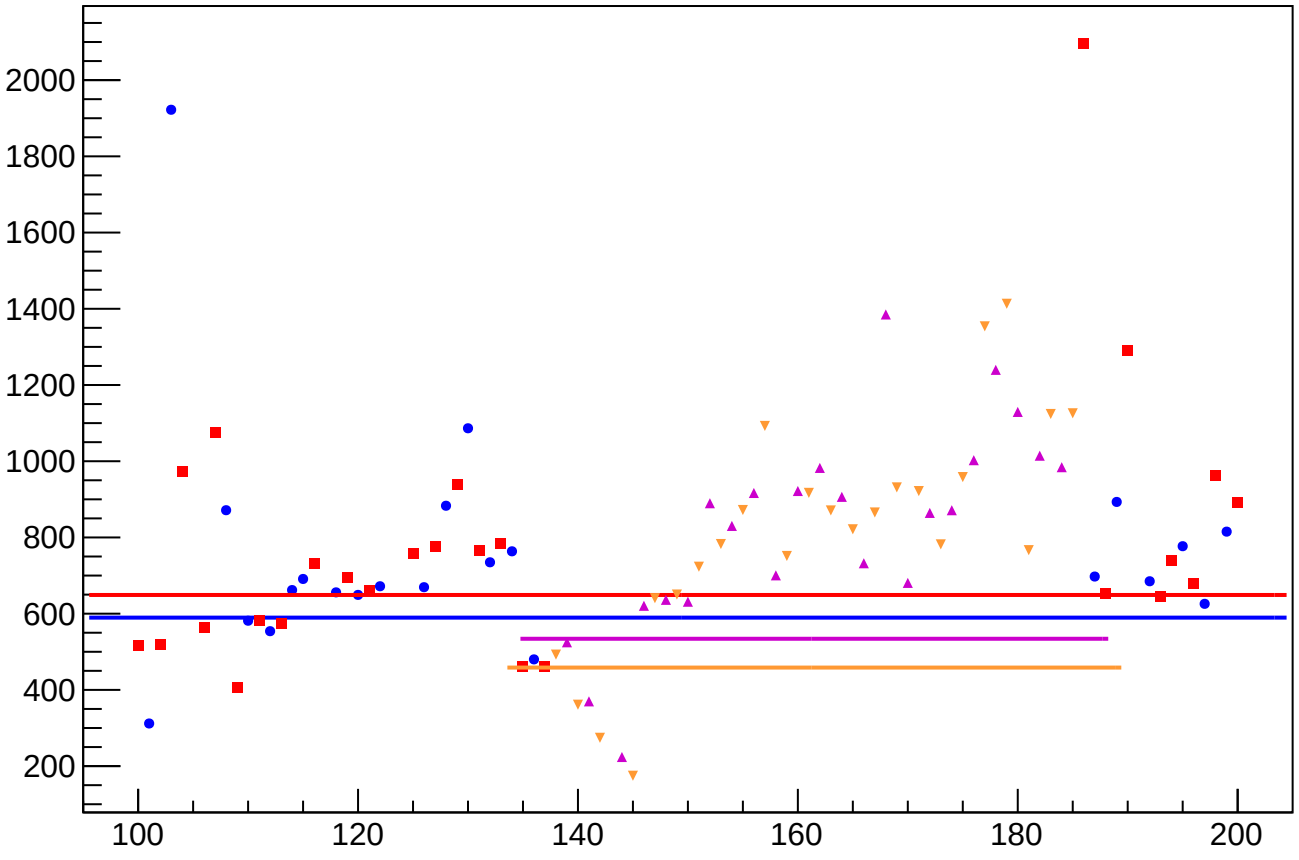
Right Out: 199.889+/-192.200 χ^2/NDF: 29.9/25

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 90.262+/-107.047 χ^2/NDF: 42.2/45

All: 49.139+/-78.320 χ^2/NDF: 91.1/94

- sign 1.768+/-114.891 χ^2/NDF: 48.6/48



Right In: 589.639+/-0.133 χ^2/NDF: 2356660.2/21

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 649.073+/-0.136 χ^2/NDF: 1836457.6/25

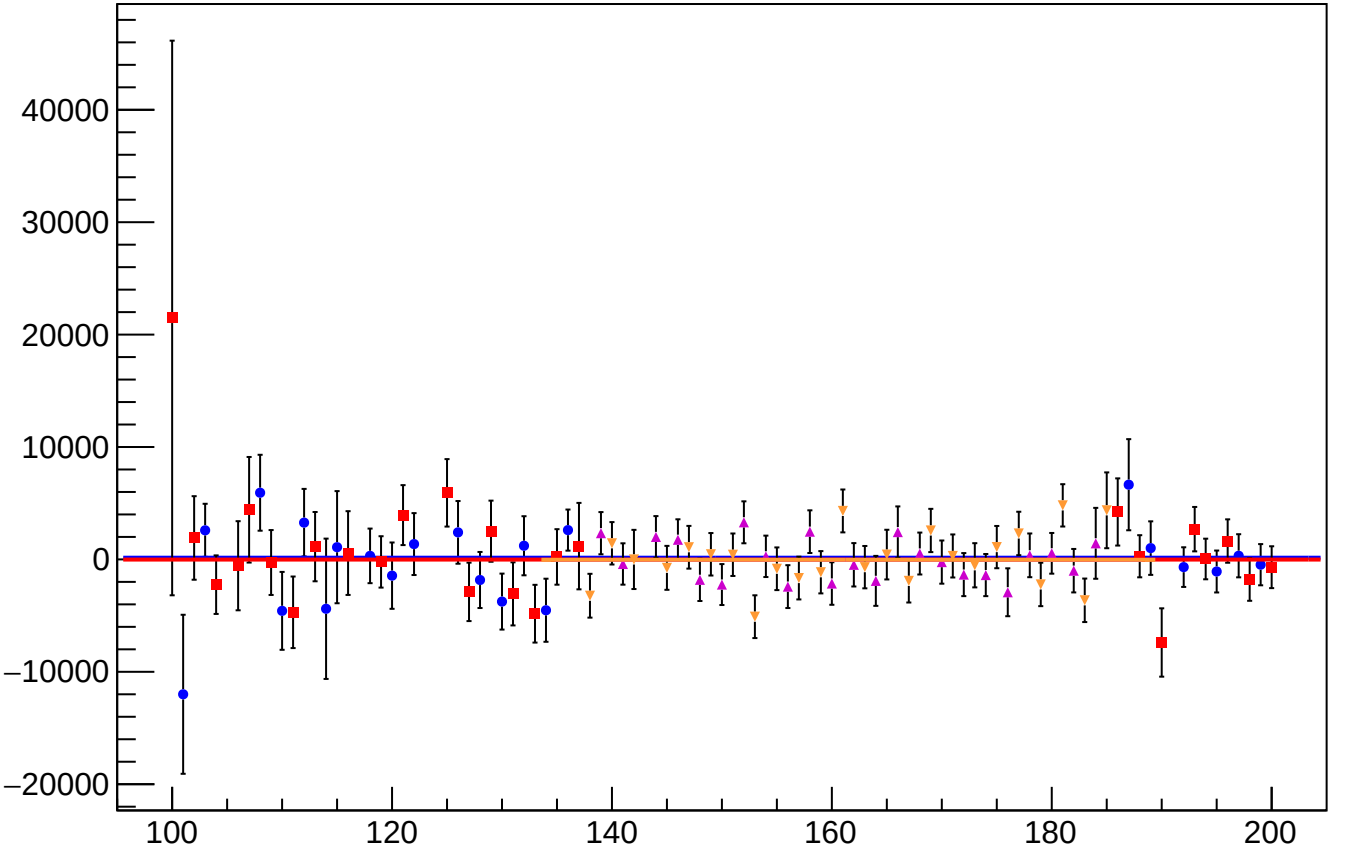
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 500.845+/-0.076 χ^2/NDF: 14438413.1/45

All: 535.408+/-0.055 χ^2/NDF: 25626303.1/94

- sign 575.222+/-0.081 χ^2/NDF: 10739210.4/48

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -14.672+/-508.660 χ^2/NDF: 29.6/25

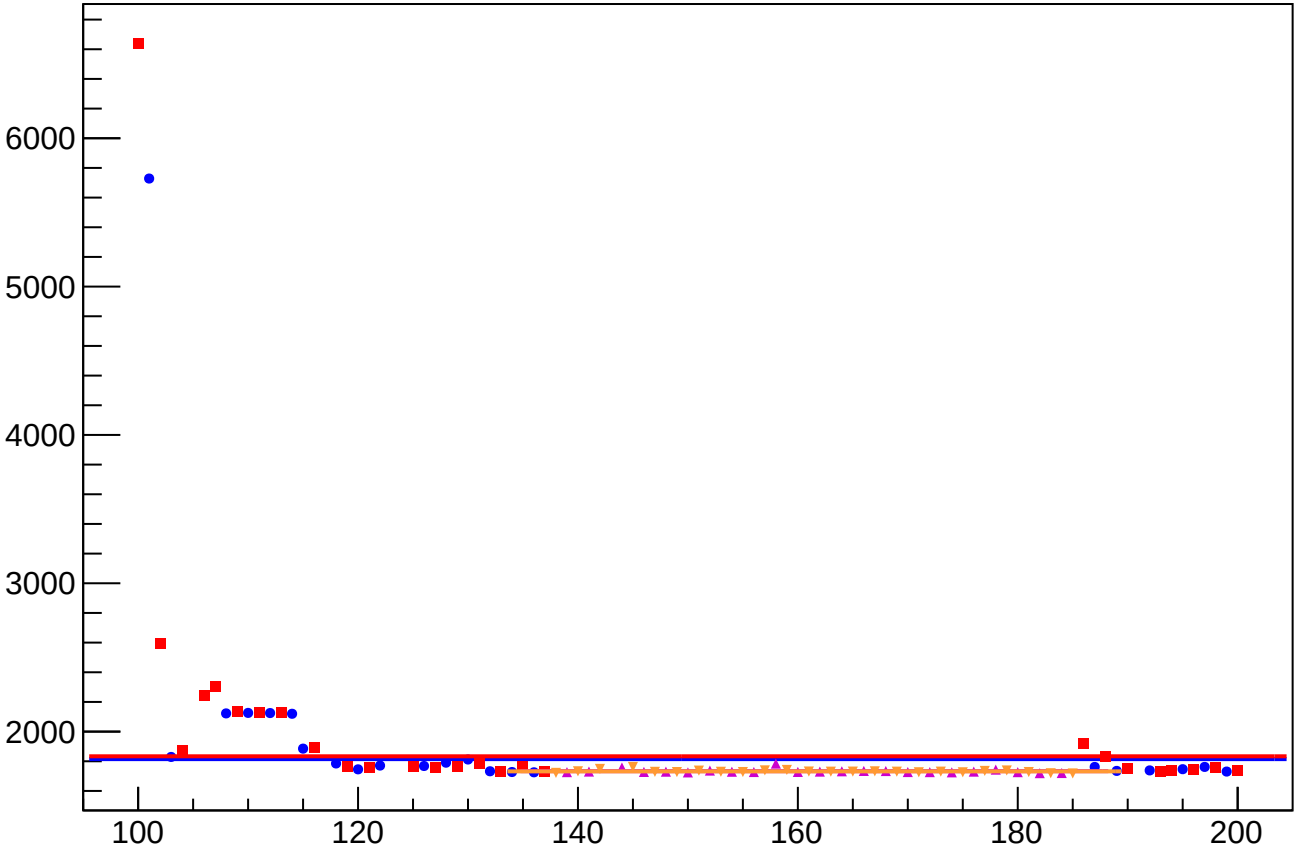
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 31.283+/-322.919 χ^2/NDF: 58.4/45

All: -4.016+/-226.105 χ^2/NDF: 107.3/94

- sign -37.967+/-316.695 χ^2/NDF: 49.0/48

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

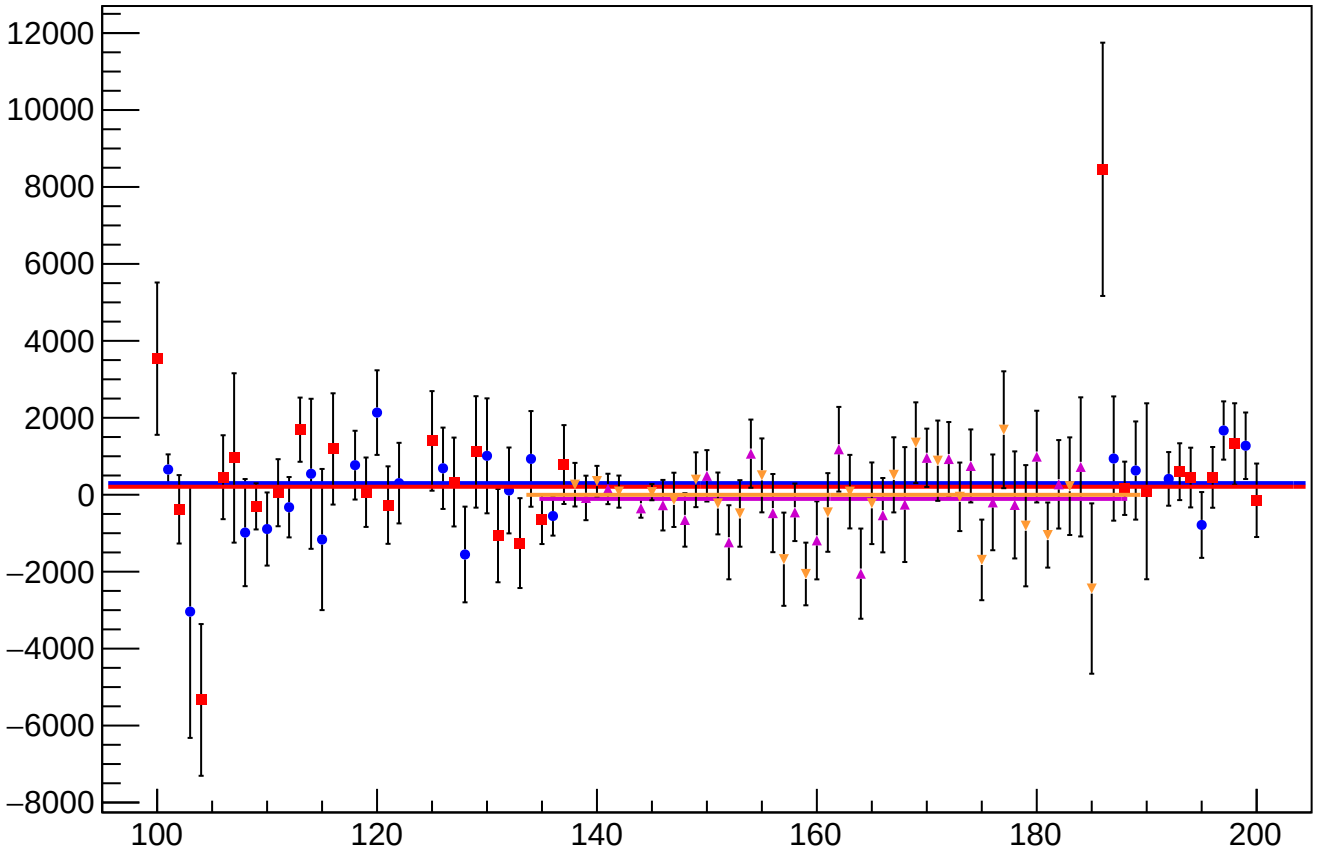
Right Out: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.7/45

All: 1766.820+/-0.160 χ^2/NDF: 1080004.0/94

- sign 1772.161+/-0.224 χ^2/NDF: 350441.2/48



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

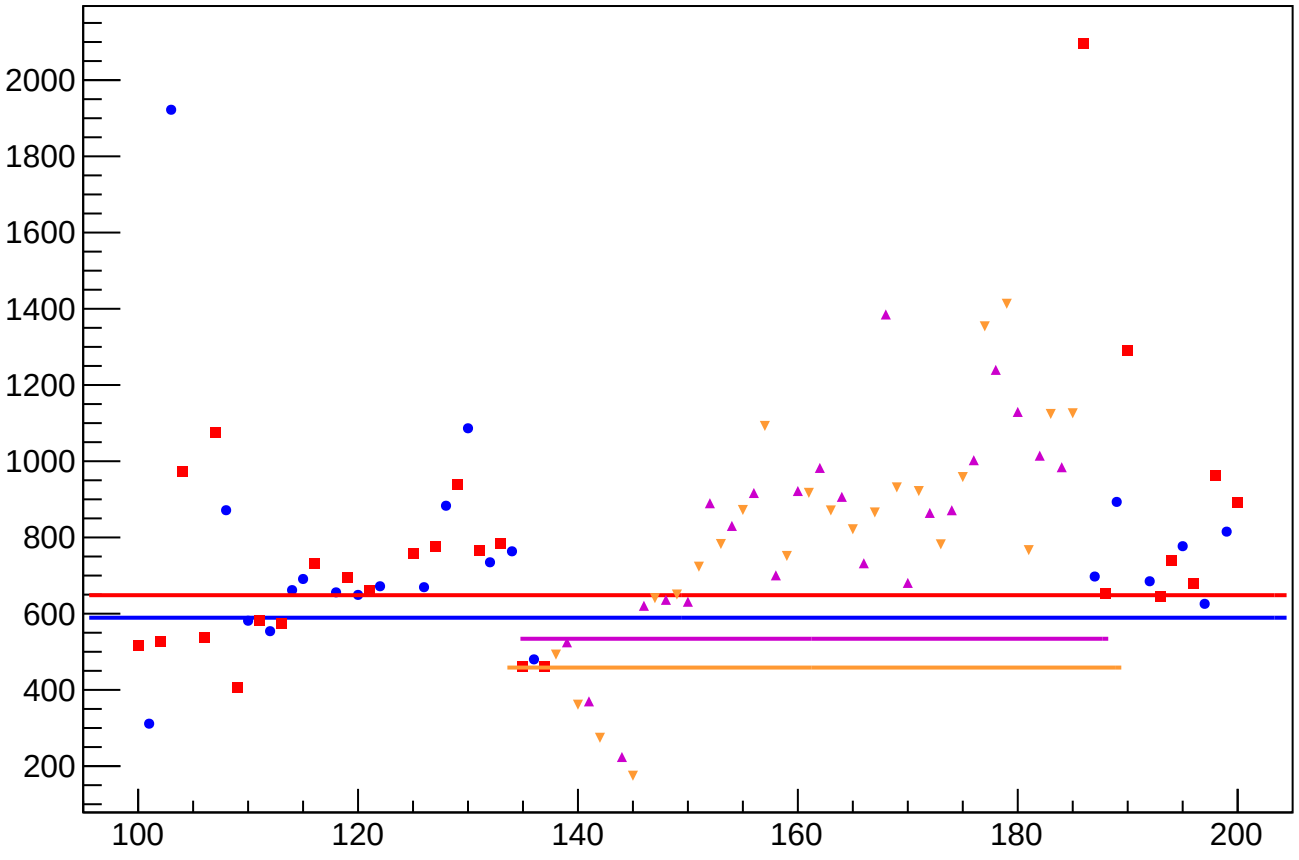
Right Out: 206.978+/-192.171 χ^2/NDF: 29.9/25

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 95.706+/-107.039 χ^2/NDF: 42.7/45

All: 53.250+/-78.315 χ^2/NDF: 91.7/94

- sign 4.343+/-114.885 χ^2/NDF: 48.6/48



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

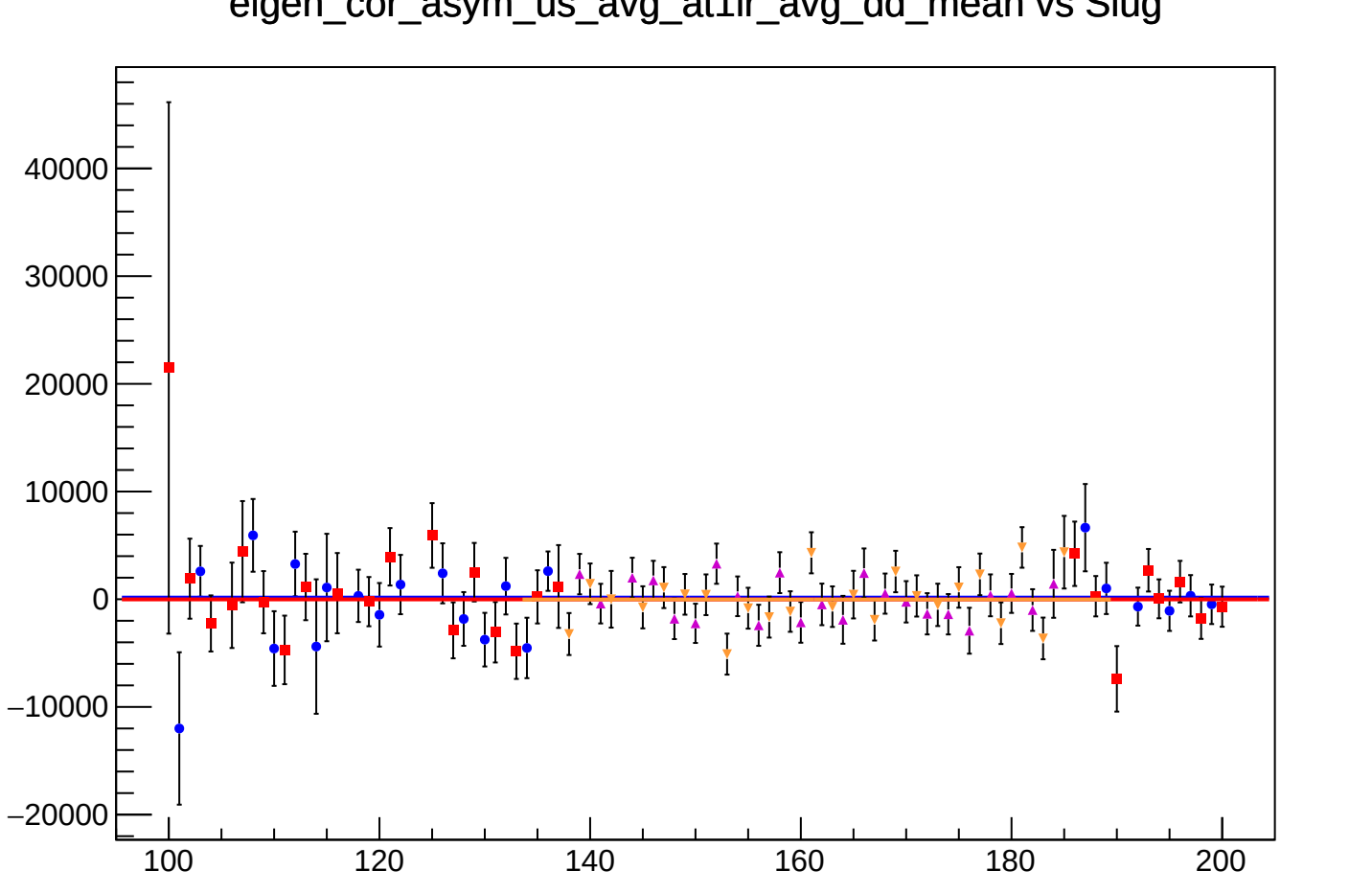
Right Out: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 500.785+/-0.076 χ^2/NDF: 14441339.4/45

All: 535.285+/-0.055 χ^2/NDF: 25627571.6/94

- sign 575.029+/-0.081 χ^2/NDF: 10739105.4/48



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -14.672+/-508.660 χ^2/NDF: 29.6/25

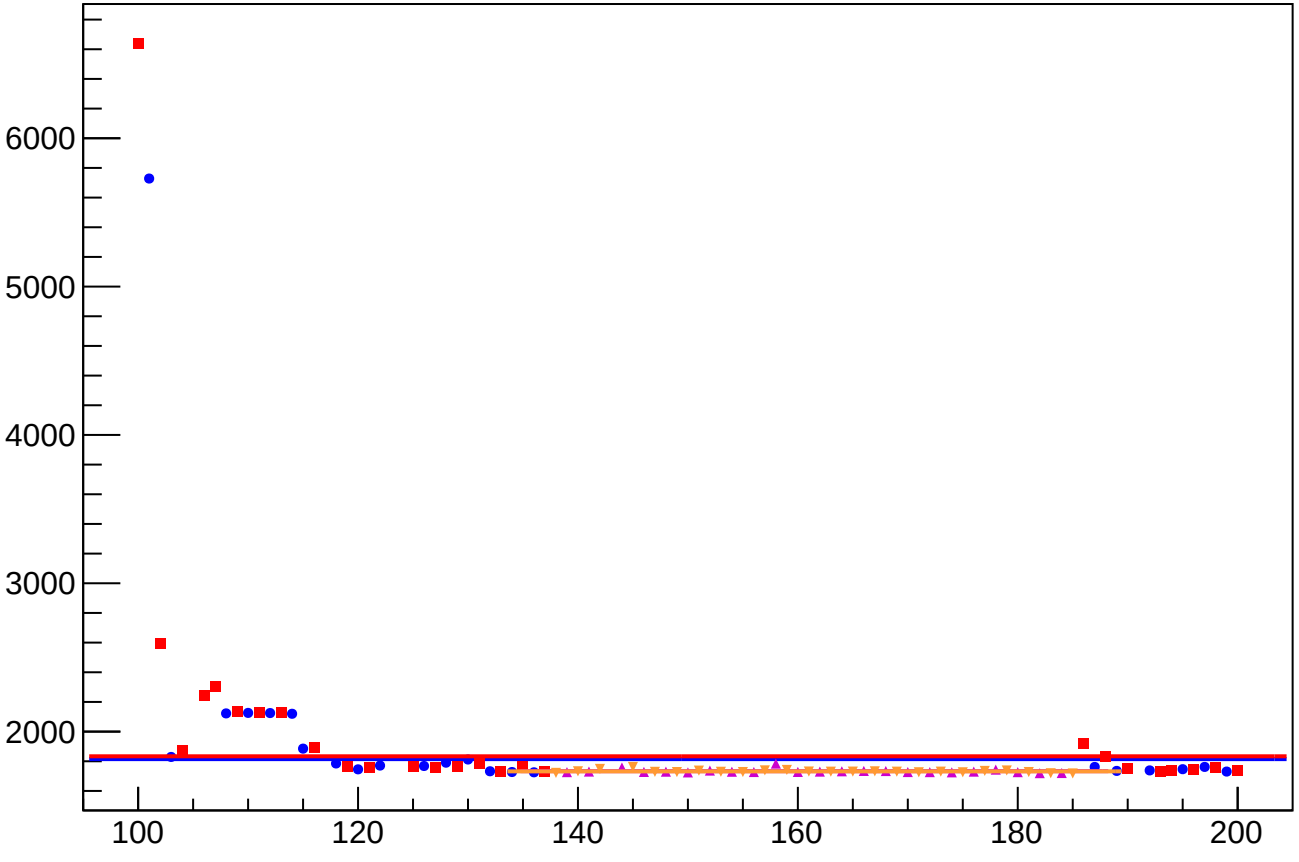
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 31.283+/-322.919 χ^2/NDF: 58.4/45

All: -4.016+/-226.105 χ^2/NDF: 107.3/94

- sign -37.967+/-316.695 χ^2/NDF: 49.0/48

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

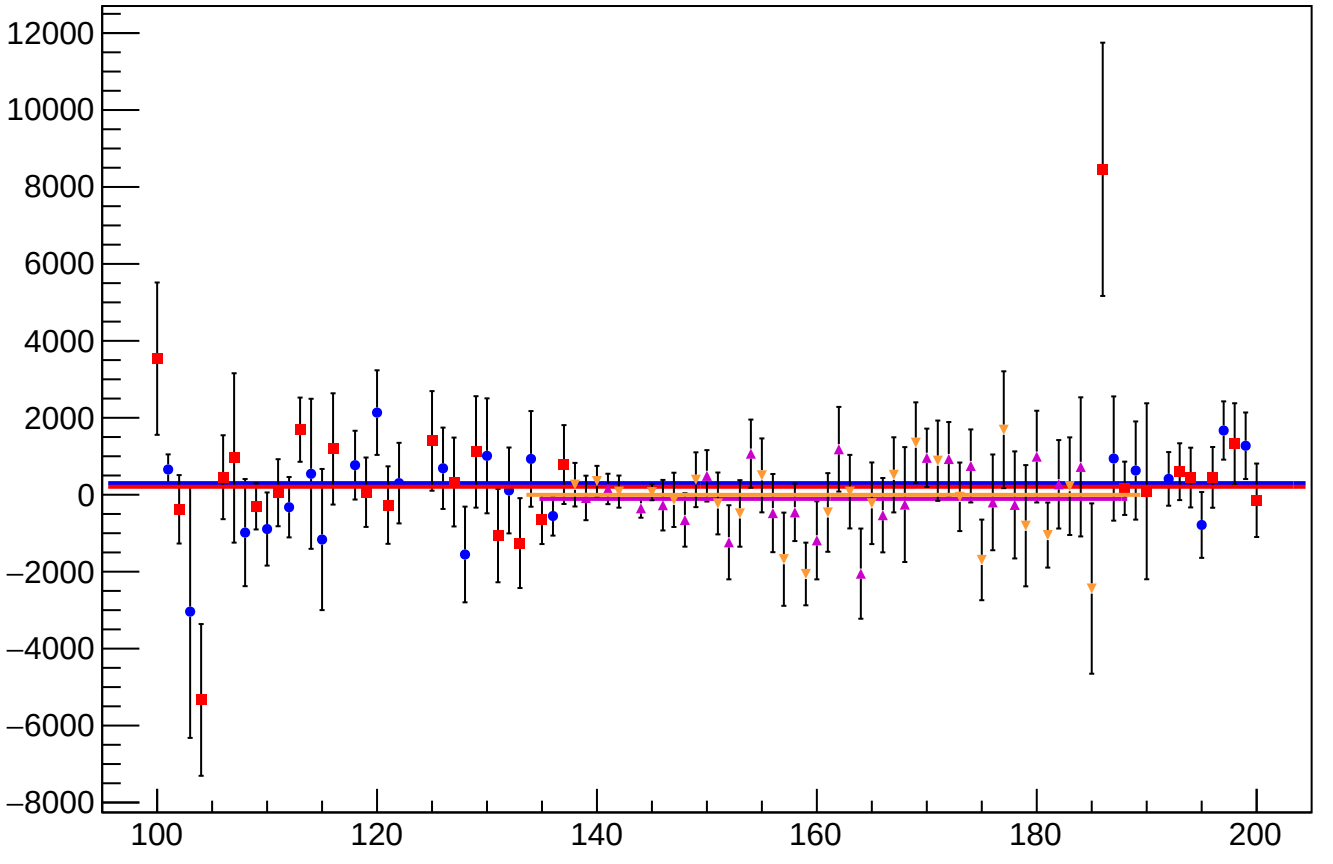
Right Out: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.7/45

All: 1766.820+/-0.160 χ^2/NDF: 1080004.0/94

- sign 1772.161+/-0.224 χ^2/NDF: 350441.2/48



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

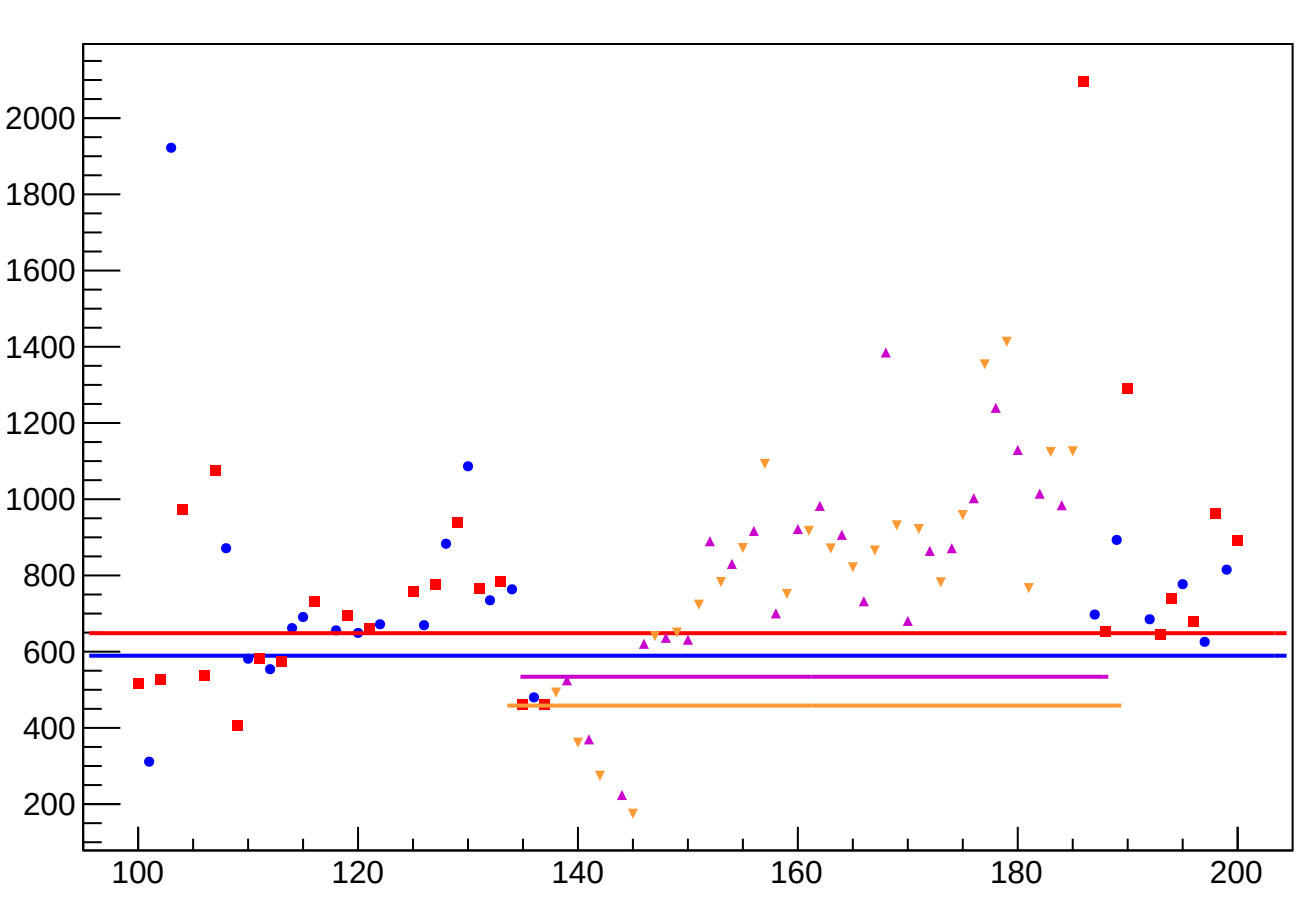
Right Out: 206.978+/-192.171 χ^2/NDF: 29.9/25

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

\+ sign 95.706+/-107.039 χ^2/NDF: 42.7/45

All: 53.250+/-78.315 χ^2/NDF: 91.7/94

\- sign 4.343+/-114.885 χ^2/NDF: 48.6/48



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

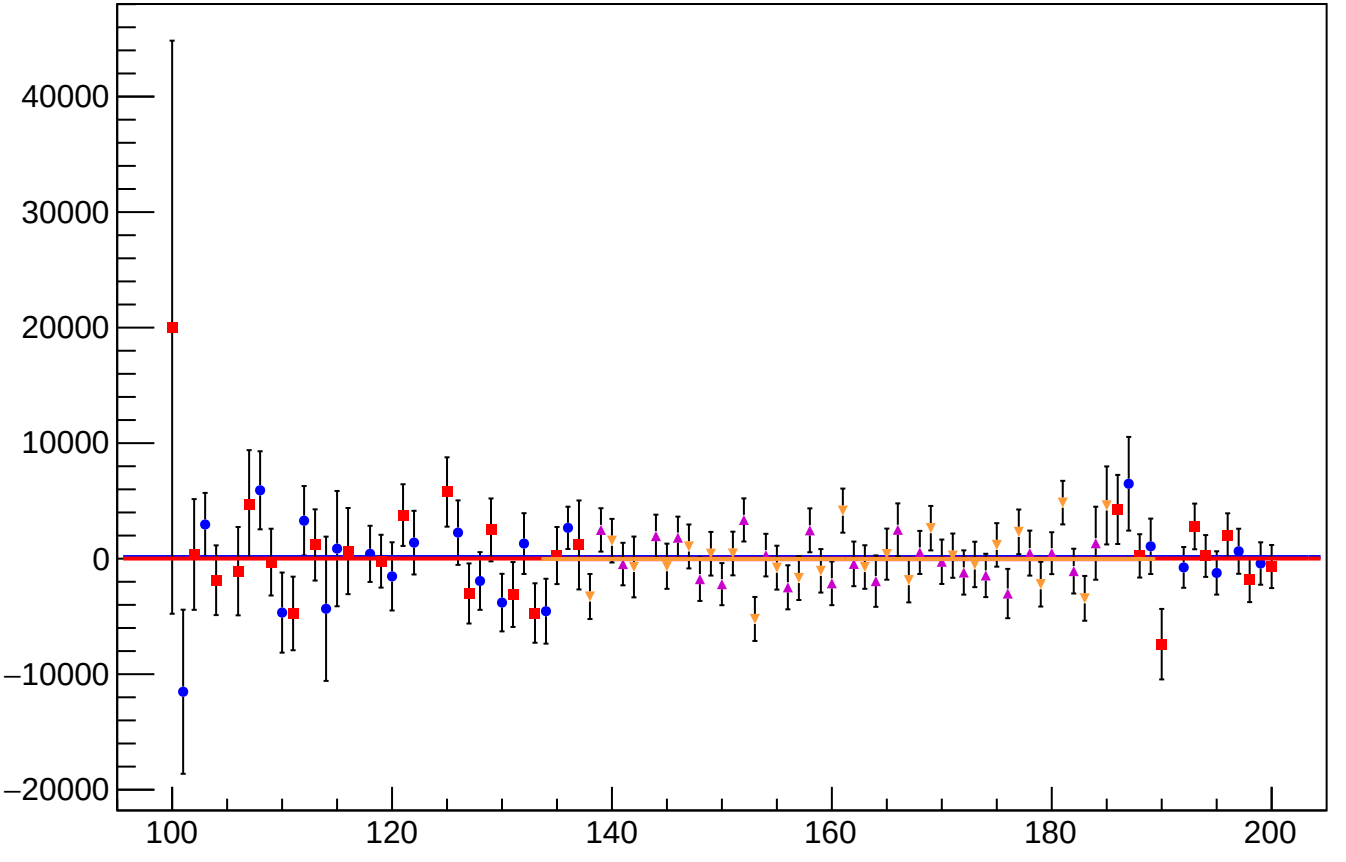
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 500.785+/-0.076 χ^2/NDF: 14441339.4/45

All: 535.285+/-0.055 χ^2/NDF: 25627571.6/94

- sign 575.029+/-0.081 χ^2/NDF: 10739105.4/48

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 140.096+/-547.518 χ^2/NDF: 23.0/21

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 11.599+/-514.075 χ^2/NDF: 29.1/25

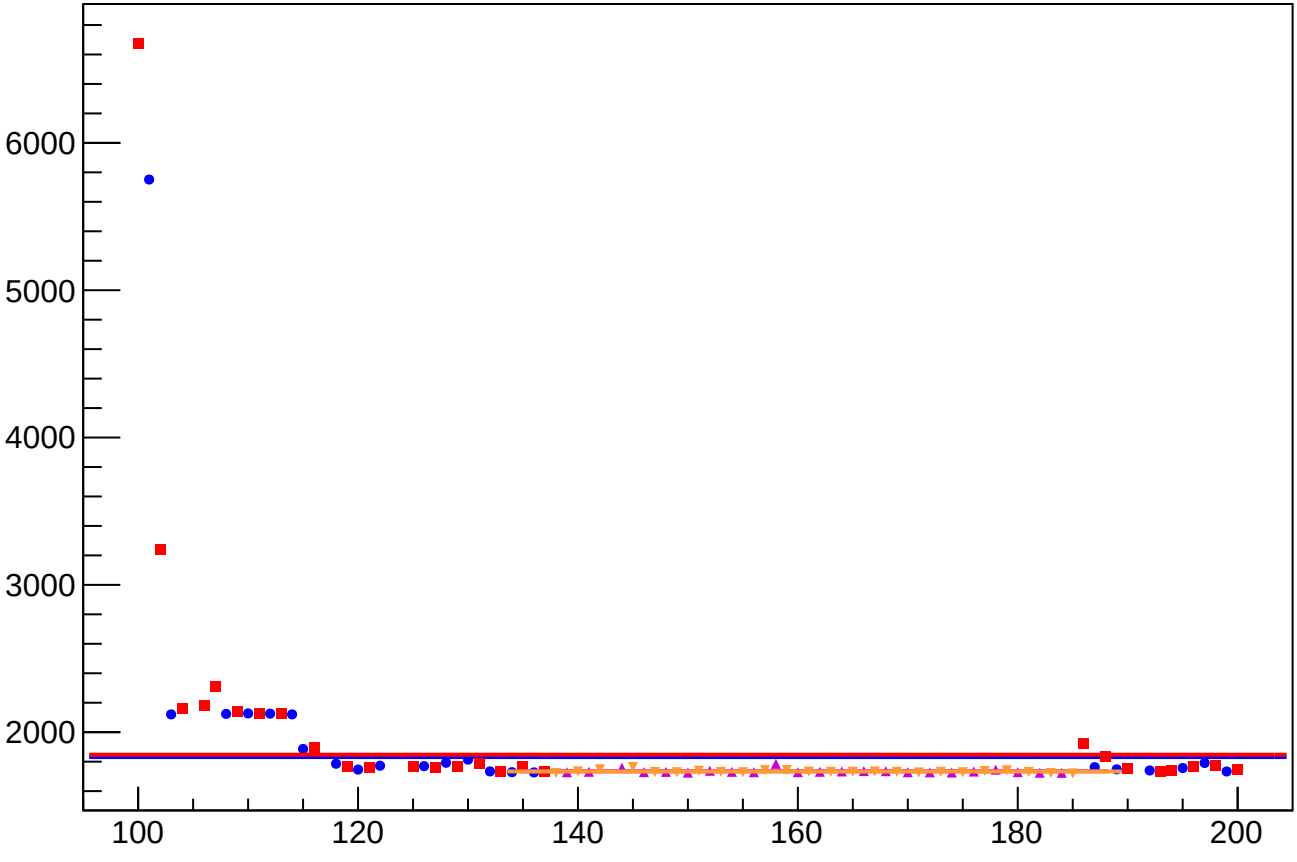
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 30.036+/-324.204 χ^2/NDF: 58.5/45

All: 3.652+/-227.079 χ^2/NDF: 107.5/94

\- sign -21.757+/-318.158 χ^2/NDF: 49.0/48

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.9/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

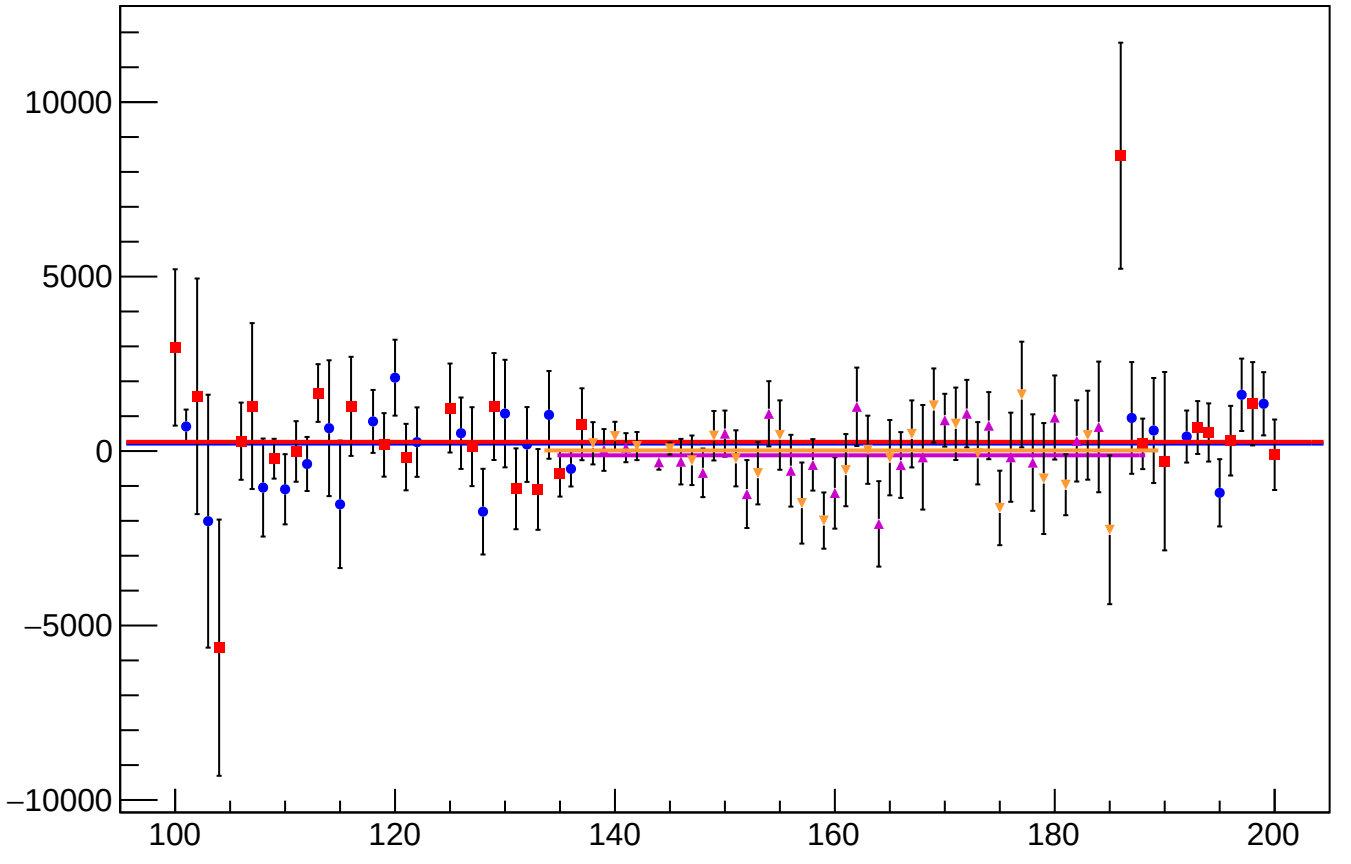
Right Out: 1847.241+/-0.364 χ^2/NDF: 401490.5/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1767.753+/-0.229 χ^2/NDF: 761911.9/45

All: 1772.909+/-0.161 χ^2/NDF: 1225593.8/94

- sign 1777.874+/-0.225 χ^2/NDF: 462688.8/48



Right In: 214.629+/-202.115 χ^2/NDF: 20.3/21

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

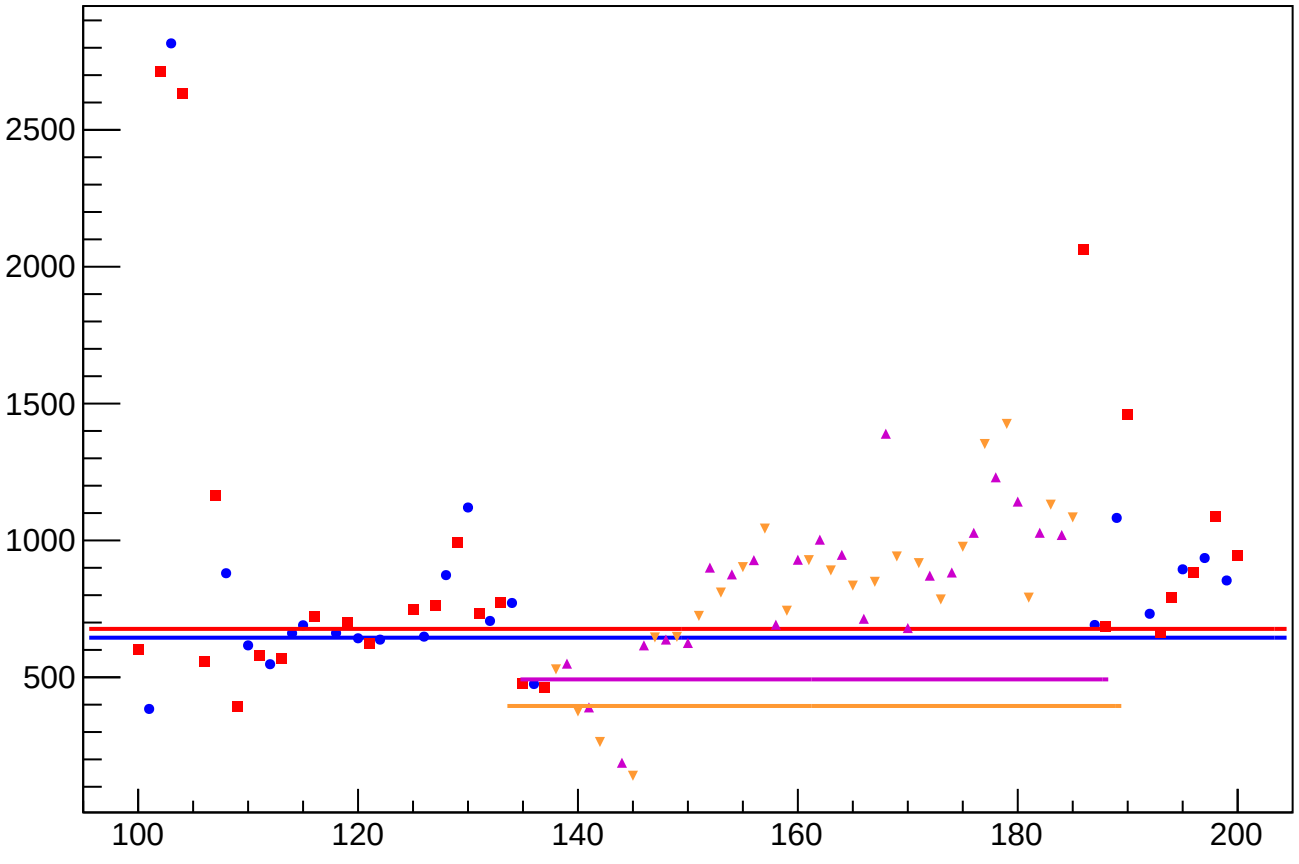
Right Out: 263.914+/-201.782 χ^2/NDF: 22.5/25

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 68.846+/-102.759 χ^2/NDF: 40.4/45

All: 37.880+/-76.155 χ^2/NDF: 82.0/94

- sign 0.149+/-113.429 χ^2/NDF: 41.4/48



Right In: 644.684+/-0.143 χ^2/NDF: 2495912.7/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 676.827+/-0.143 χ^2/NDF: 3416424.2/25

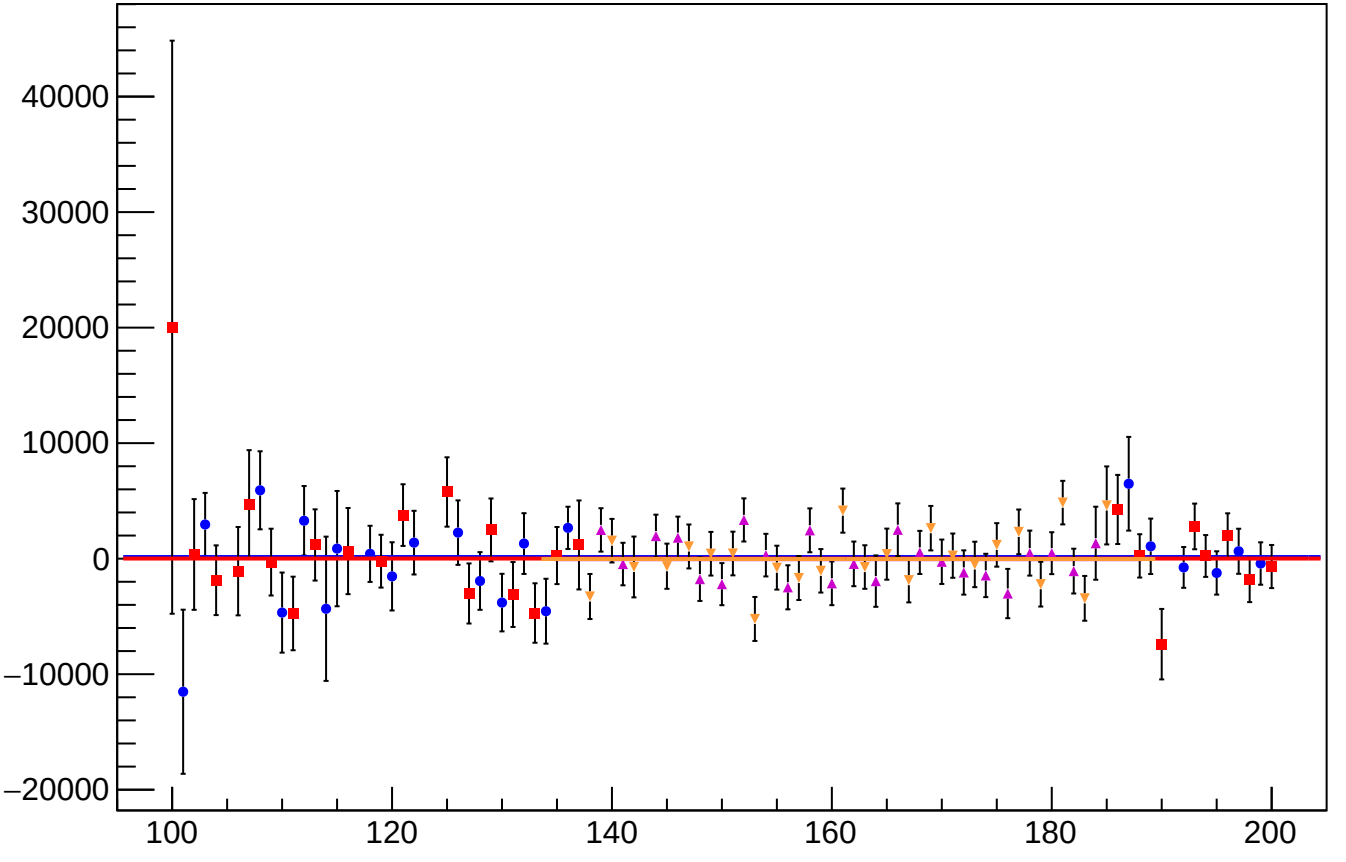
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 459.680+/-0.073 χ^2/NDF: 19090162.2/45

All: 500.666+/-0.054 χ^2/NDF: 34776049.6/94

- sign 550.606+/-0.080 χ^2/NDF: 14980032.3/48

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 140.095+/-547.518 χ^2/NDF: 23.0/21

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 11.598+/-514.075 χ^2/NDF: 29.1/25

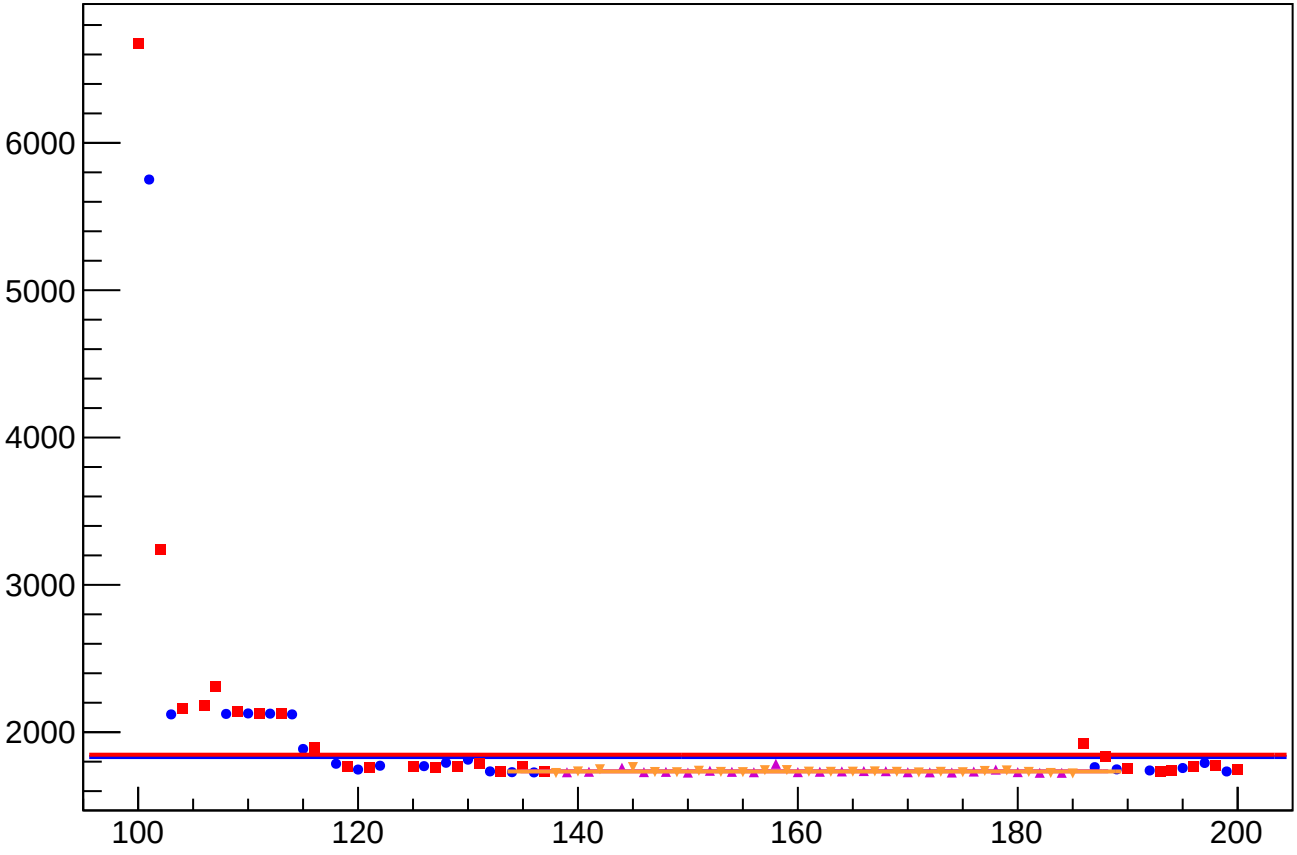
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 30.034+/-324.204 χ^2/NDF: 58.5/45

All: 3.651+/-227.079 χ^2/NDF: 107.5/94

\- sign -21.757+/-318.158 χ^2/NDF: 49.0/48

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.5/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

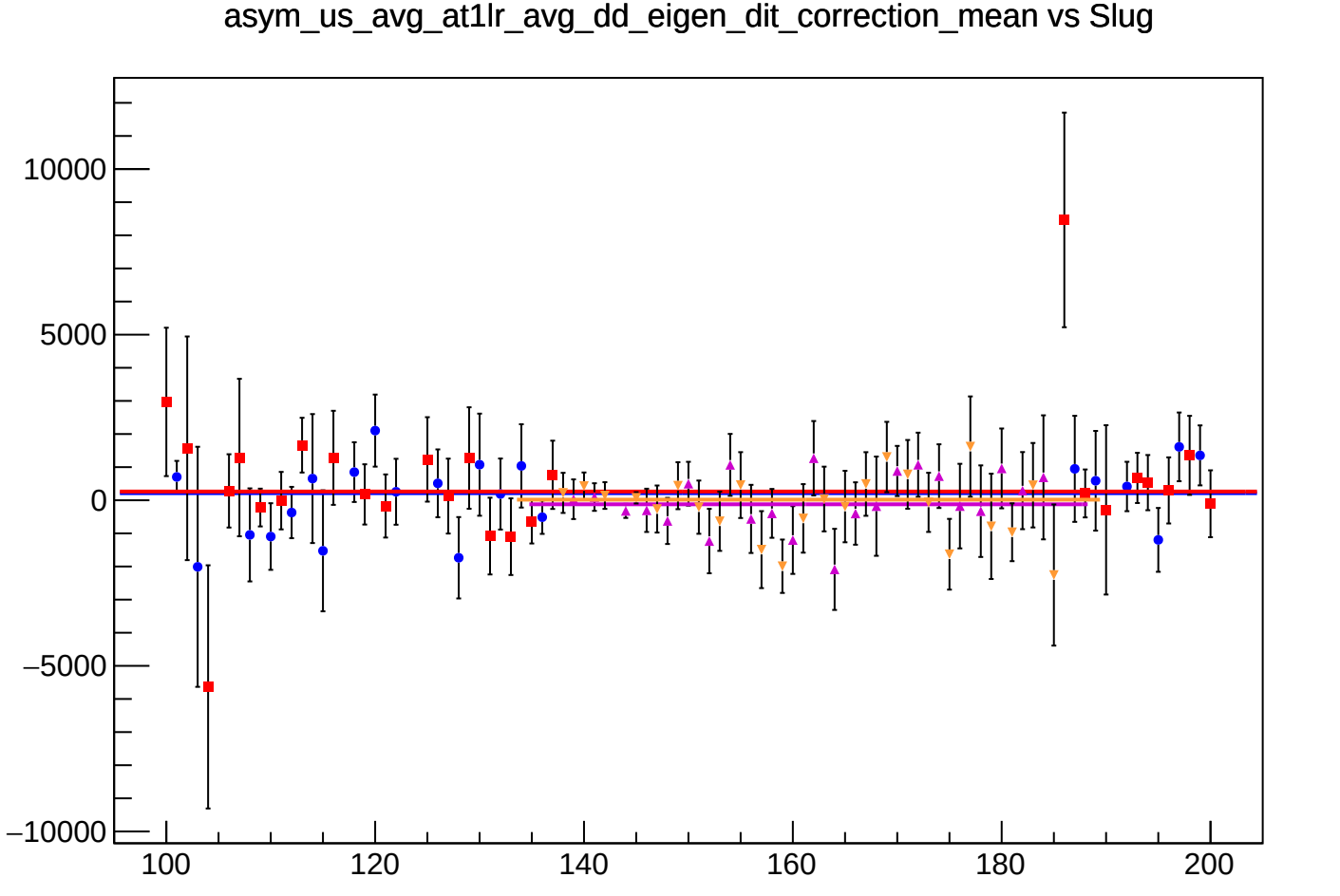
Right Out: 1847.241+/-0.364 χ^2/NDF: 401489.6/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1767.752+/-0.229 χ^2/NDF: 761911.5/45

All: 1772.909+/-0.161 χ^2/NDF: 1225592.5/94

- sign 1777.874+/-0.225 χ^2/NDF: 462687.9/48



Right In: 214.626+/-202.115 χ^2/NDF: 20.3/21

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

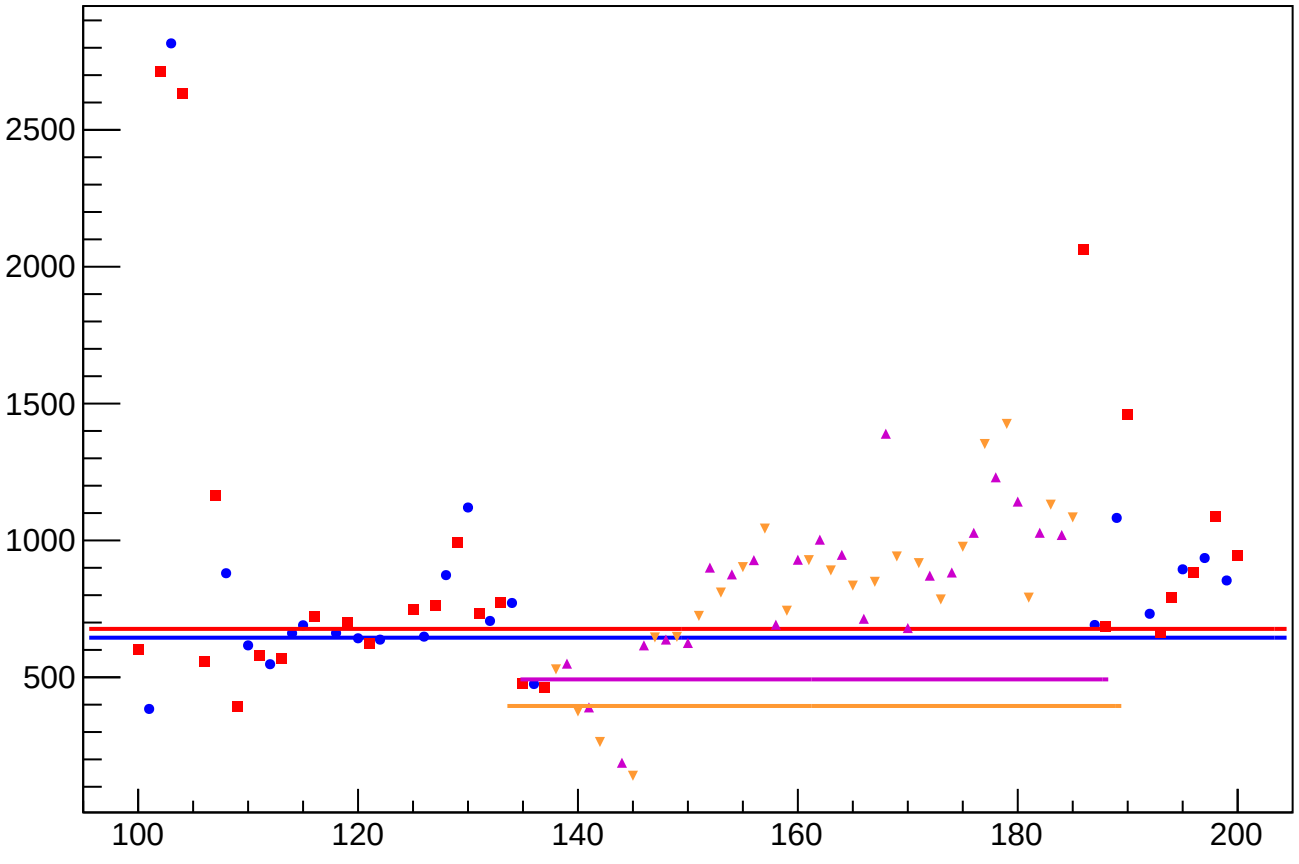
Right Out: 263.912+/-201.781 χ^2/NDF: 22.5/25

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 68.845+/-102.759 χ^2/NDF: 40.4/45

All: 37.879+/-76.155 χ^2/NDF: 82.0/94

- sign 0.149+/-113.429 χ^2/NDF: 41.4/48



Right In: 644.682+/-0.143 χ^2/NDF: 2495911.8/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 676.823+/-0.143 χ^2/NDF: 3416458.8/25

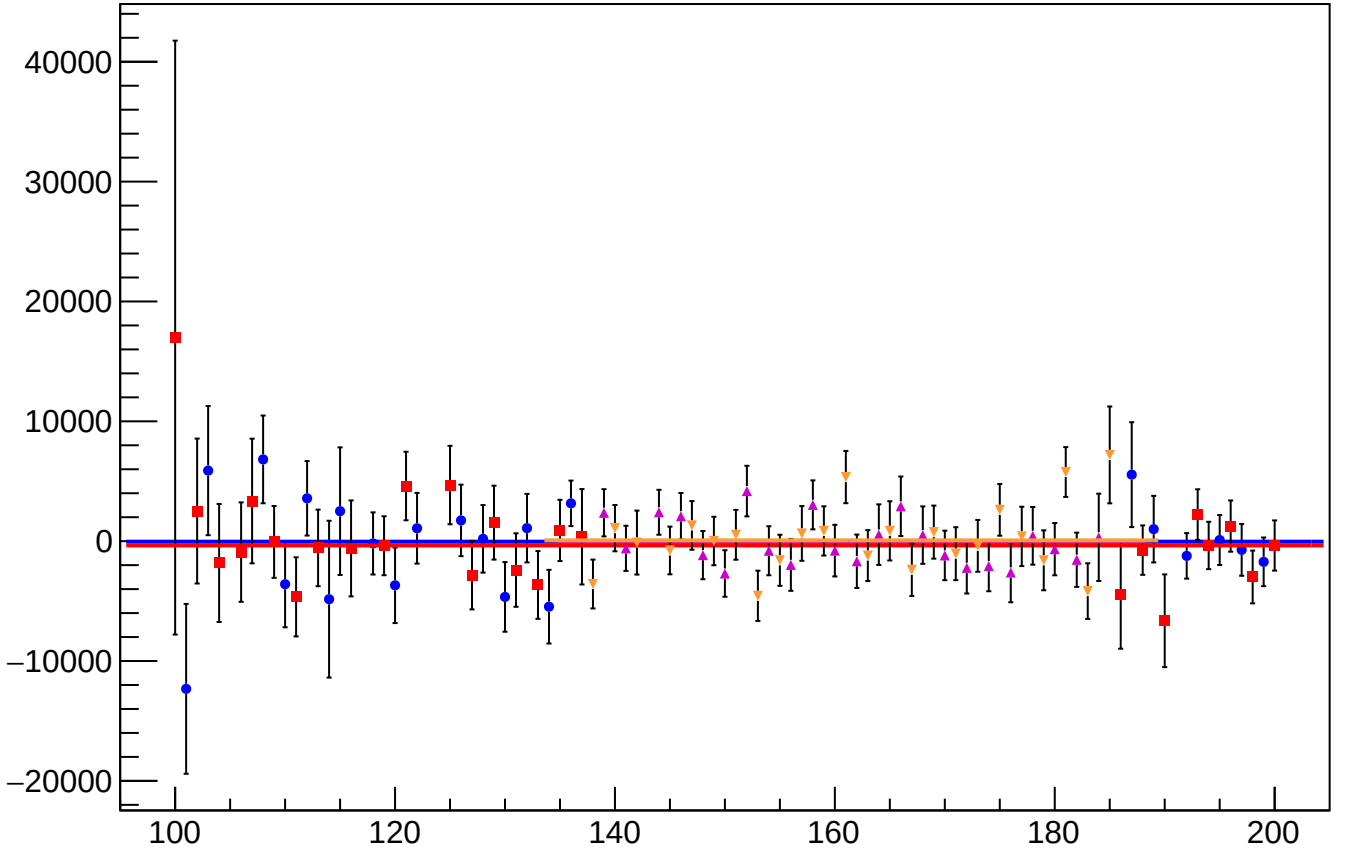
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 459.680+/-0.073 χ^2/NDF: 19090178.3/45

All: 500.666+/-0.054 χ^2/NDF: 34776069.4/94

- sign 550.606+/-0.080 χ^2/NDF: 14980038.4/48

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -41.619+/-603.895 χ^2/NDF: 24.2/21

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -355.851+/-570.629 χ^2/NDF: 18.6/25

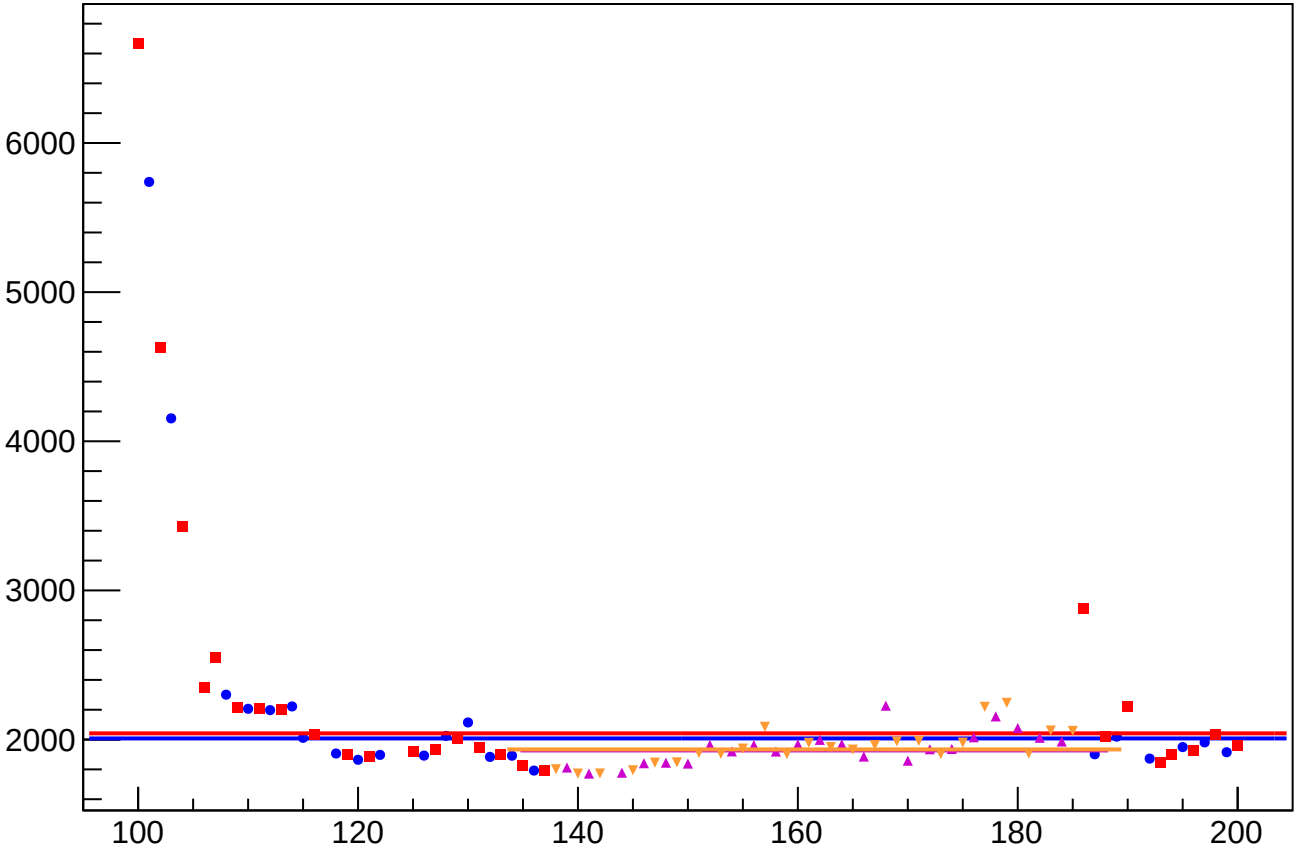
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 28.030+/-360.707 χ^2/NDF: 57.9/45

All: -63.991+/-252.549 χ^2/NDF: 96.8/94

- sign -152.477+/-353.712 χ^2/NDF: 38.8/48

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2007.497+/-0.427 χ^2/NDF: 965868.1/21

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

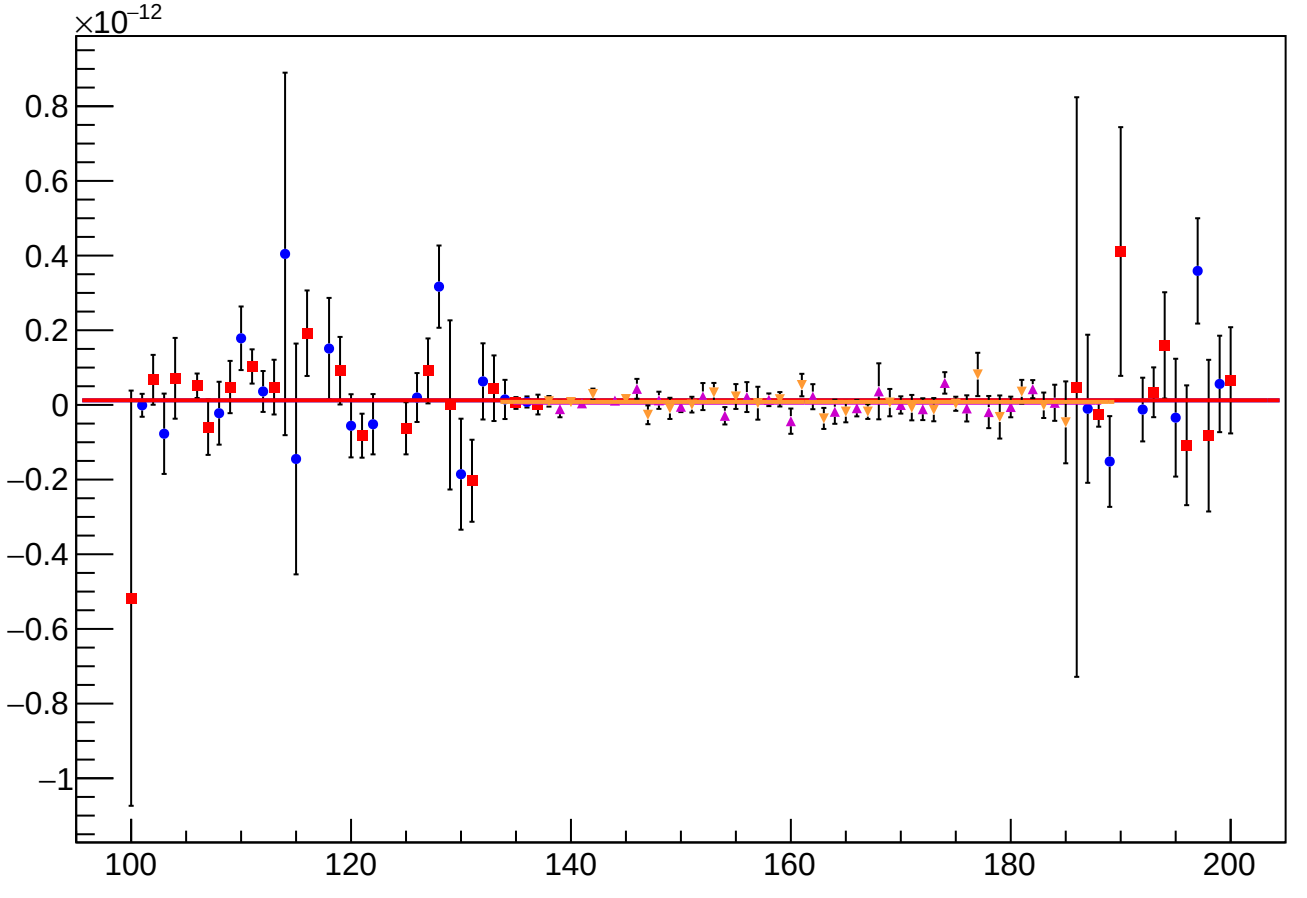
Right Out: 2041.605+/-0.403 χ^2/NDF: 799127.5/25

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1960.096+/-0.255 χ^2/NDF: 1113556.6/45

All: 1965.712+/-0.179 χ^2/NDF: 2079639.3/94

- sign 1971.112+/-0.250 χ^2/NDF: 965131.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

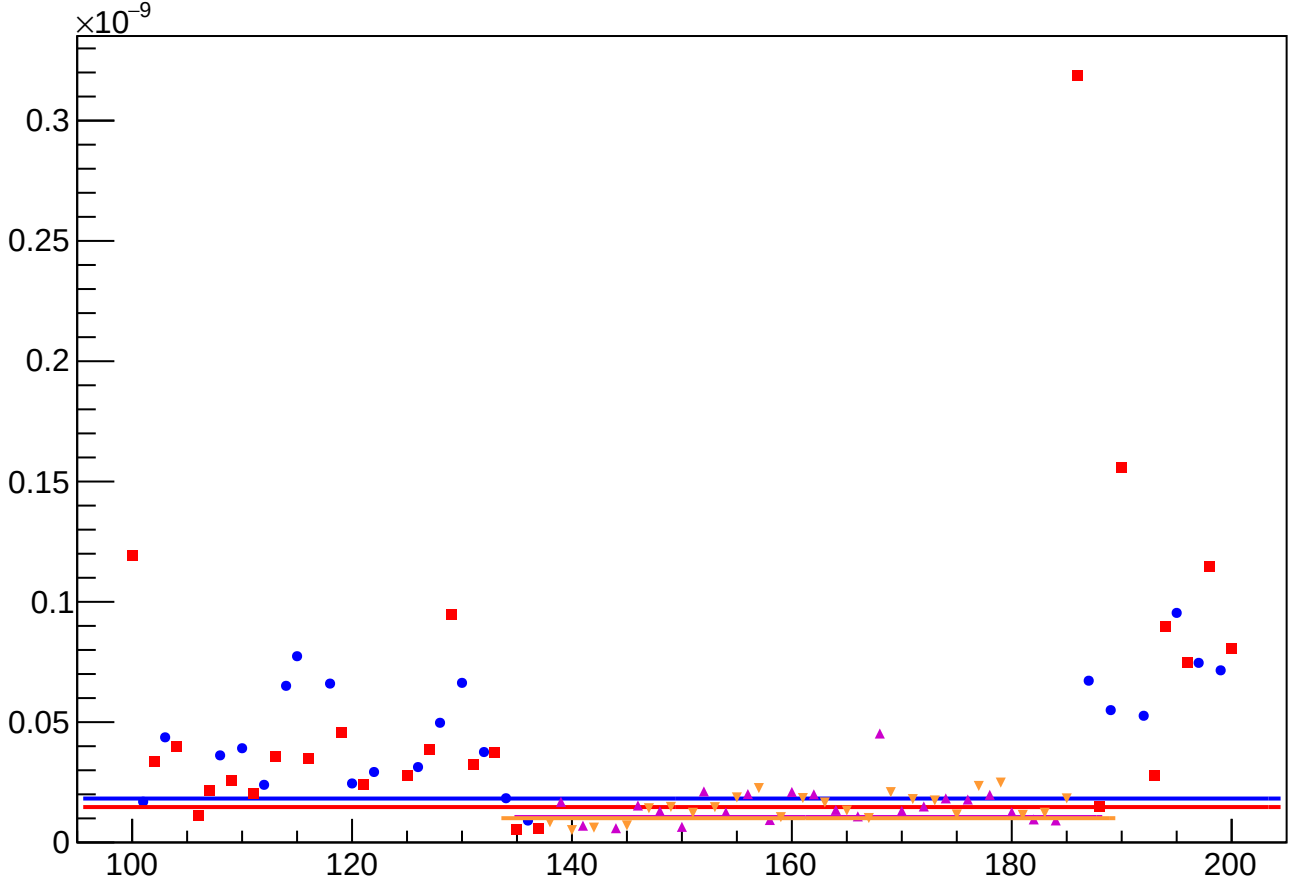
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/25

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/45

All: 0.000+/-0.000 χ^2/NDF: 86.6/94

- sign 0.000+/-0.000 χ^2/NDF: 42.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 3786270.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

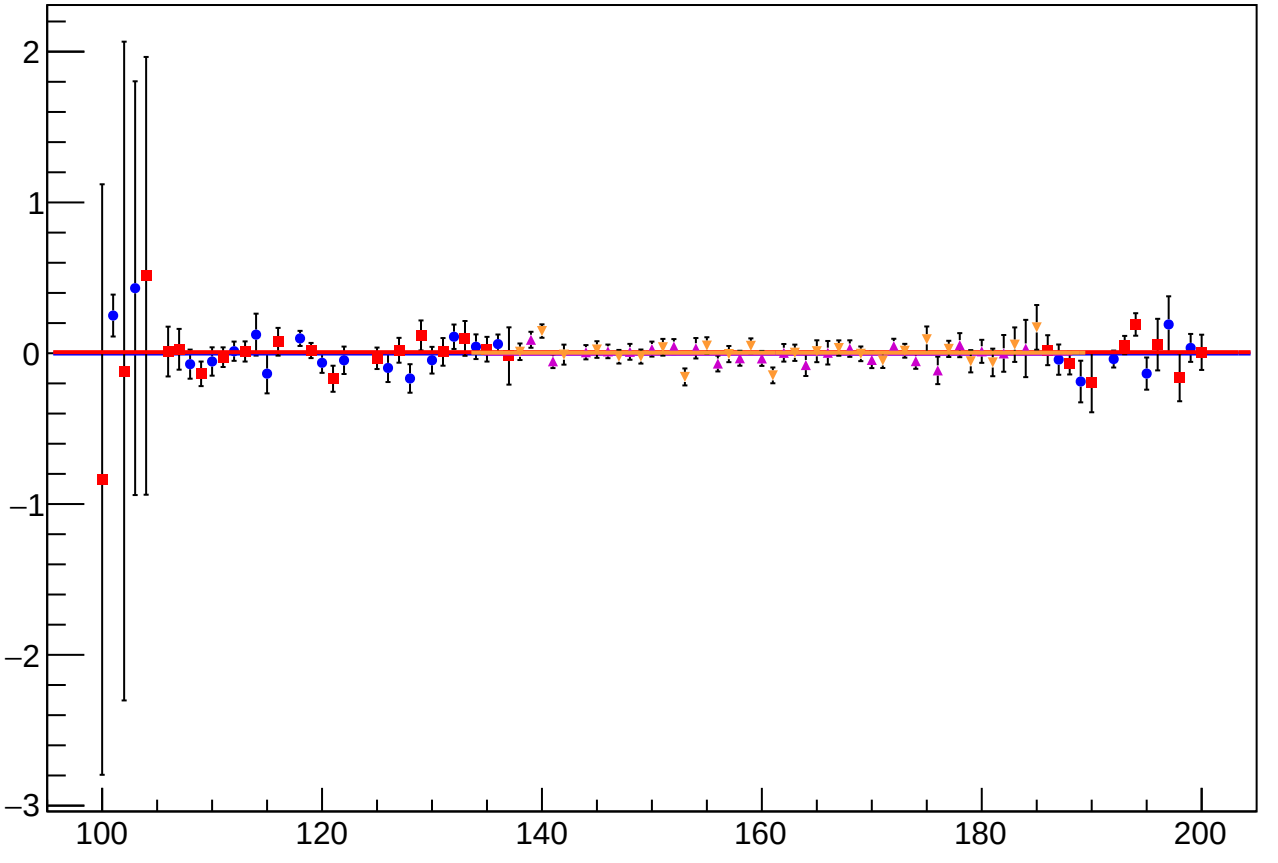
Right Out: 0.000+/-0.000 χ^2/NDF: 5042841.2/25

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6970717.6/45

All: 0.000+/-0.000 χ^2/NDF: 14878862.9/94

- sign 0.000+/-0.000 χ^2/NDF: 7906893.3/48



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

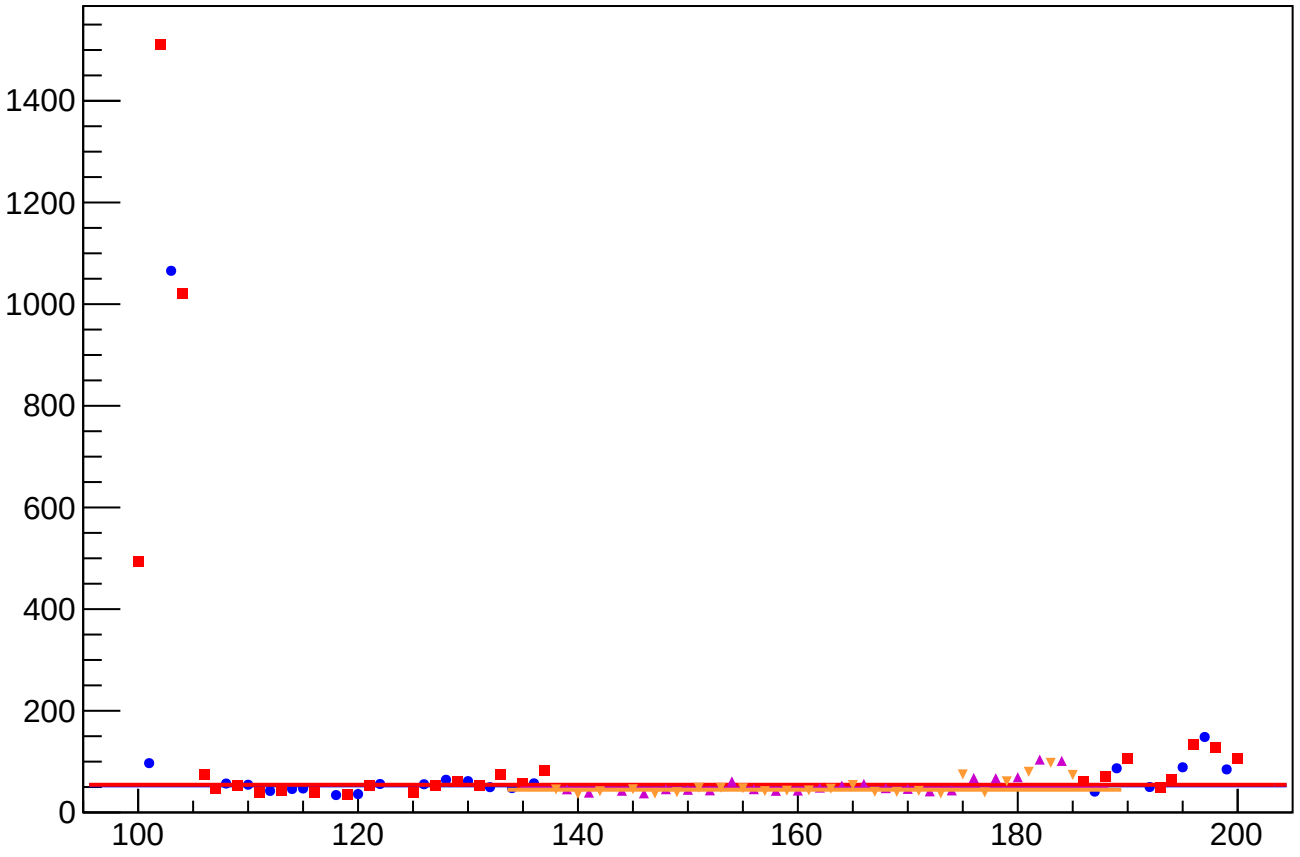
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

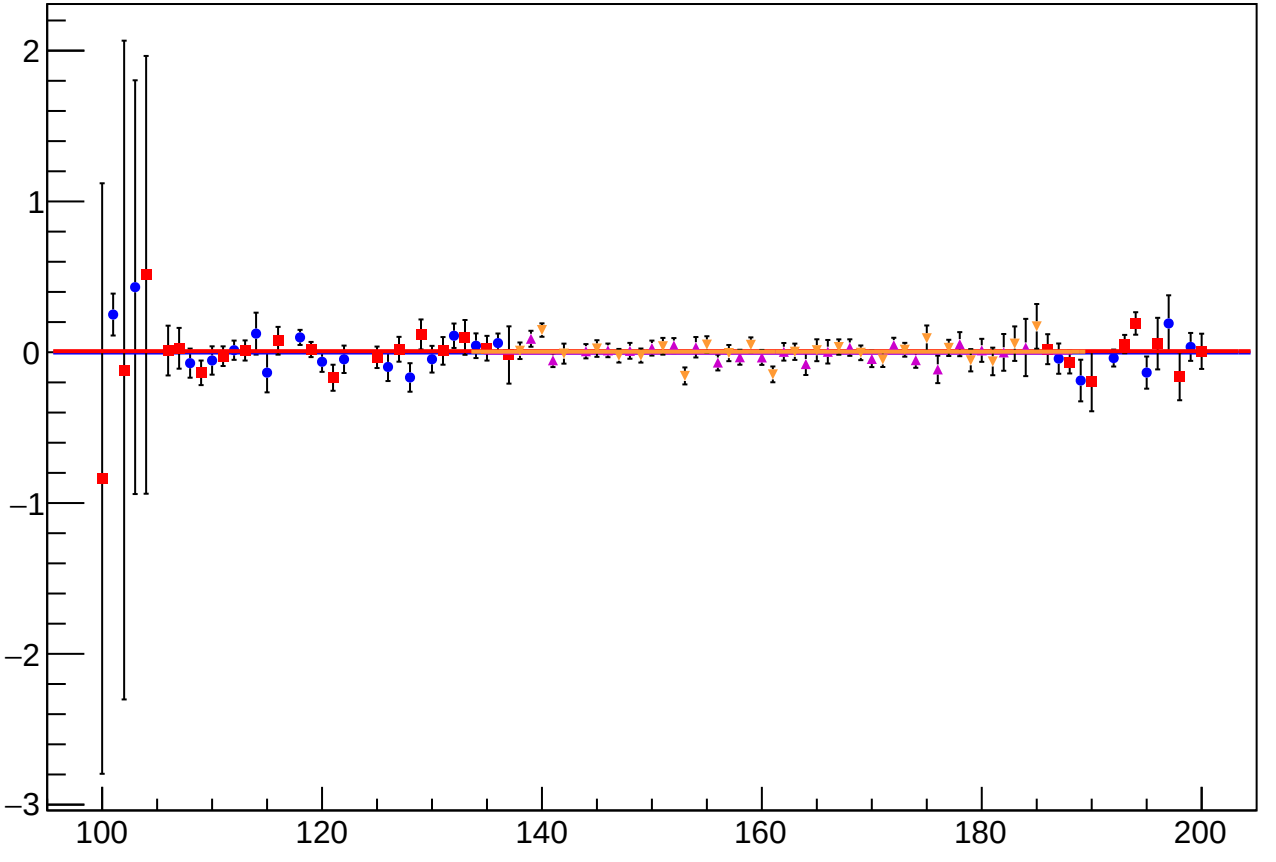
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770360.8/45

All: 48.201+/-0.005 χ^2/NDF: 10590723.0/94

- sign 49.294+/-0.007 χ^2/NDF: 5773218.2/48

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

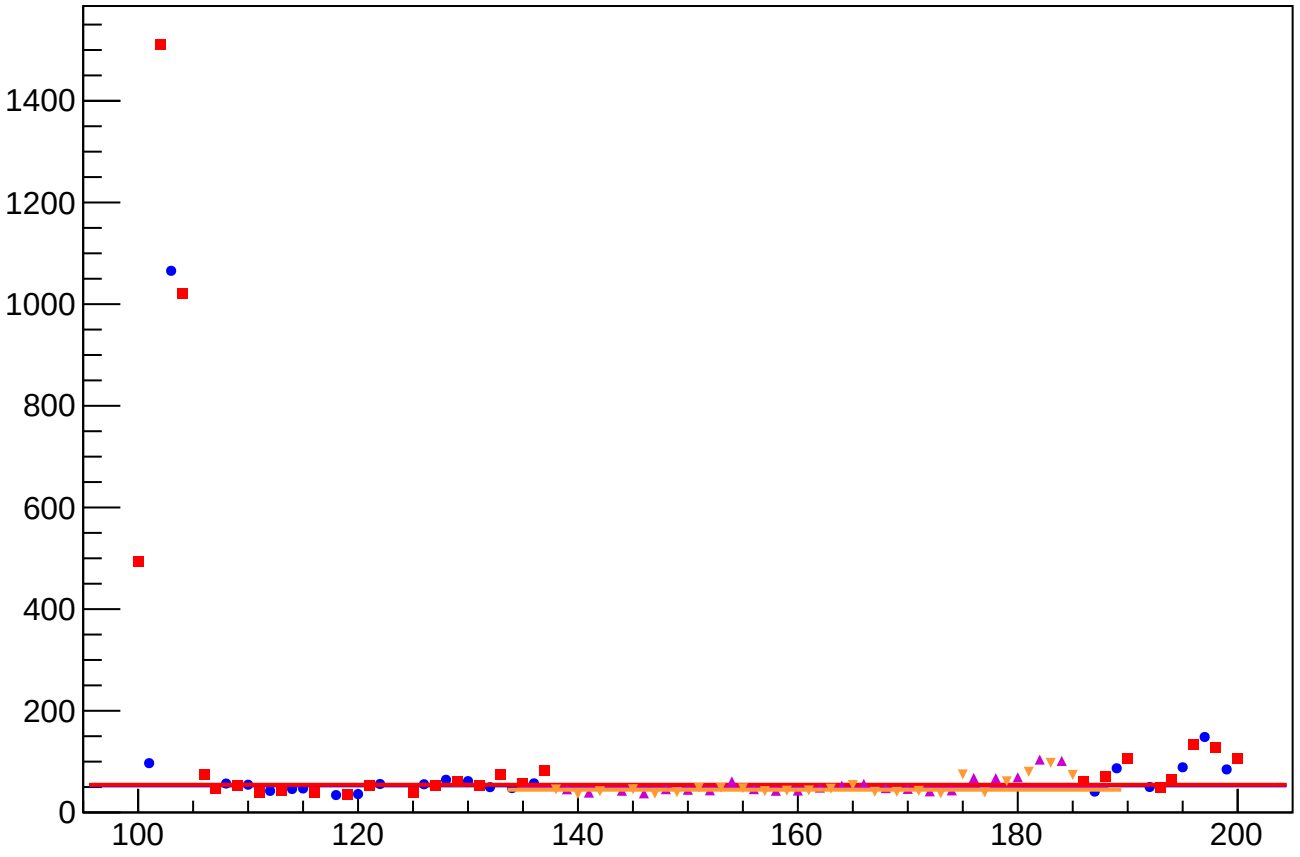
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

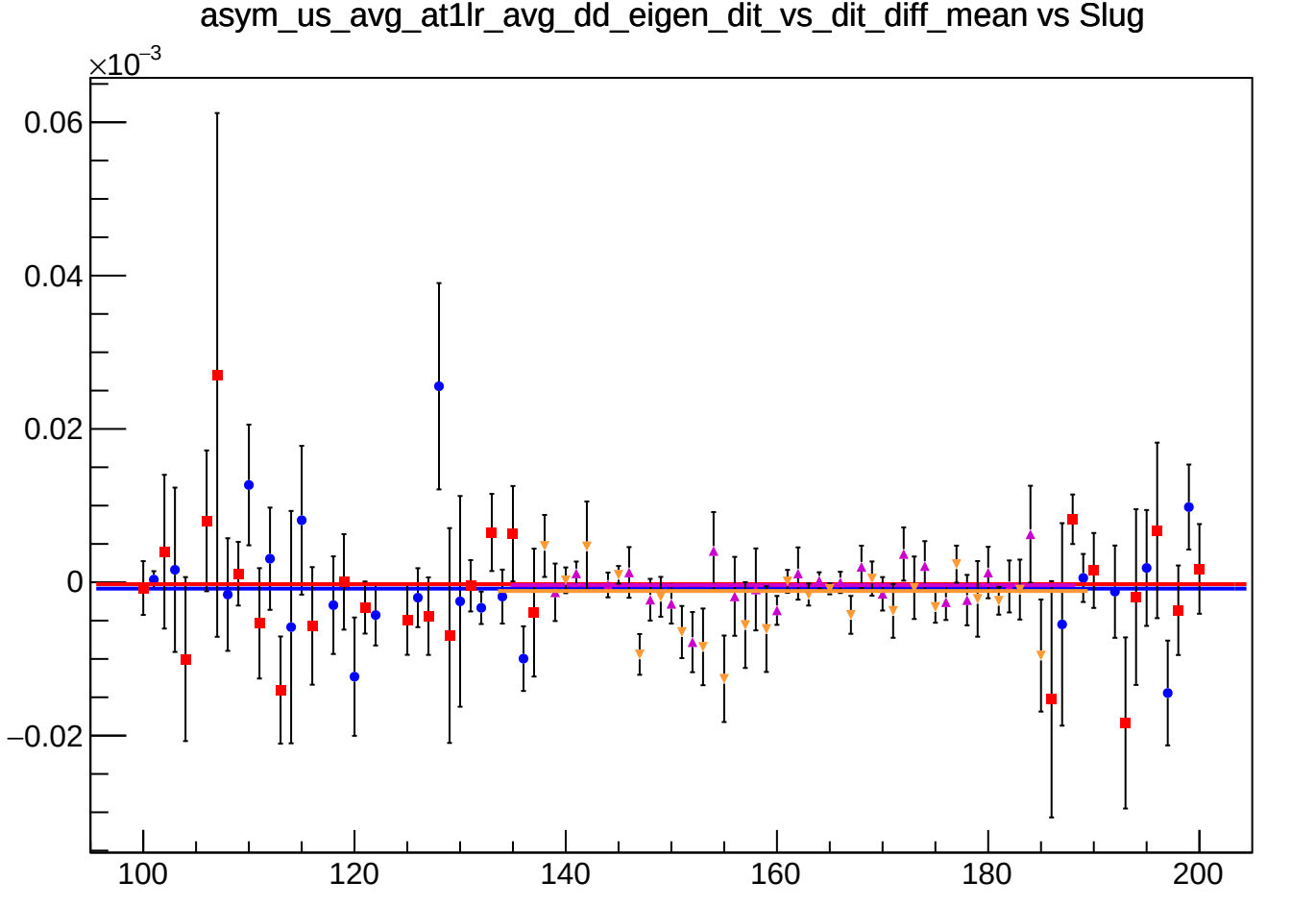
Right Out: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

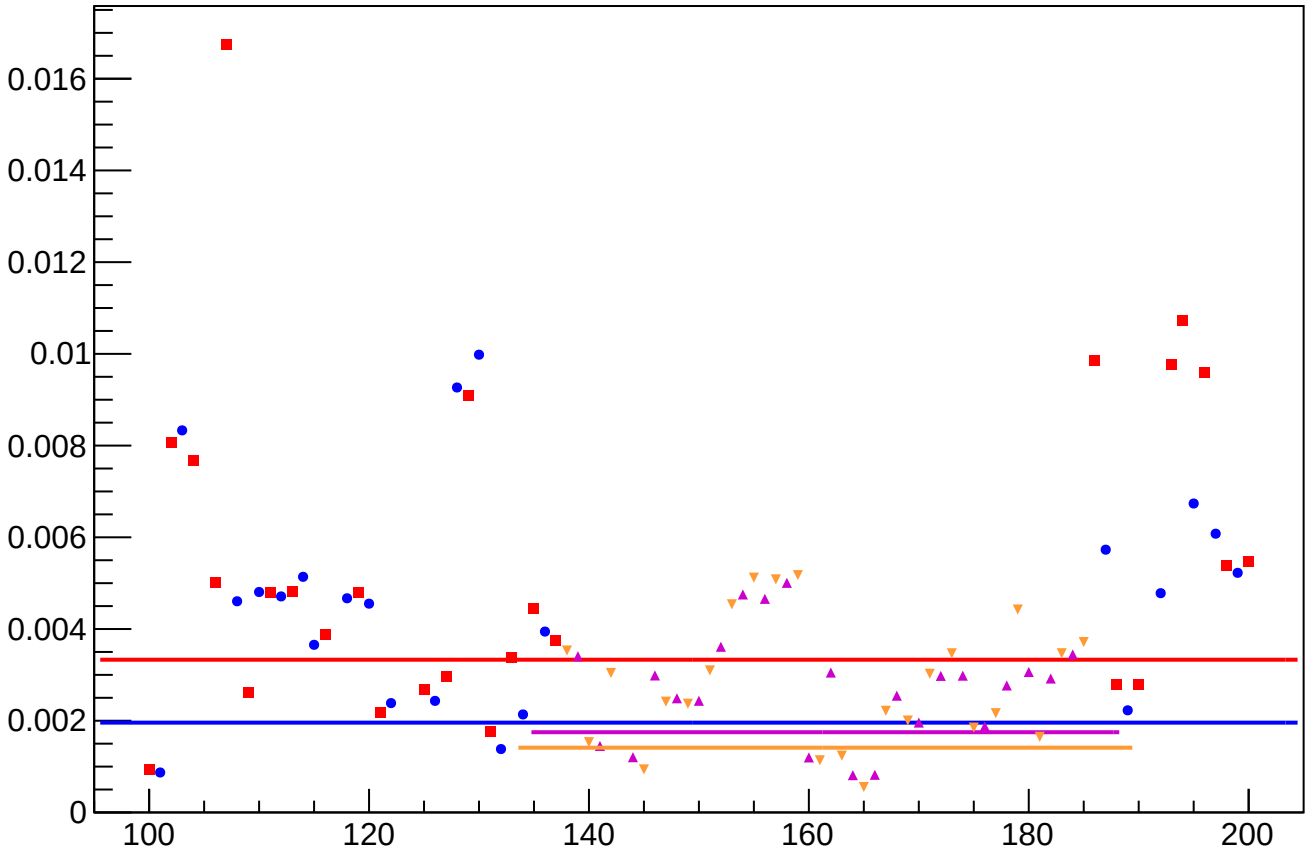
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770360.8/45

All: 48.201+/-0.005 χ^2/NDF: 10590723.0/94

- sign 49.294+/-0.007 χ^2/NDF: 5773218.2/48


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.8/21
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.8/25
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 62.7/45
All: -0.000+/-0.000 χ²/NDF: 105.3/94
- sign -0.000+/-0.000 χ²/NDF: 41.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 9026229.4/21

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

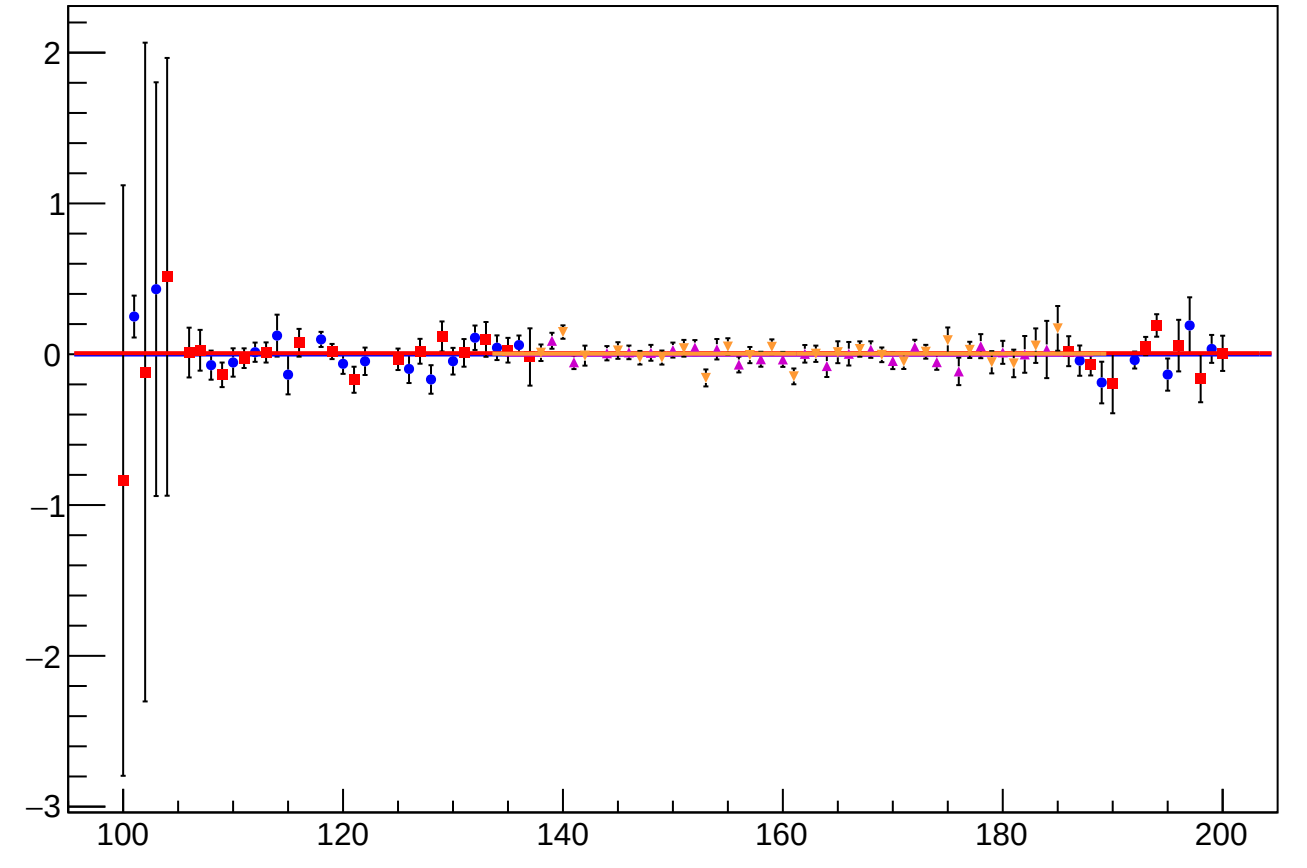
Right Out: 0.003+/-0.000 χ^2/NDF: 6607223.2/25

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 21386862.2/45

All: 0.002+/-0.000 χ^2/NDF: 41059798.4/94

- sign 0.002+/-0.000 χ^2/NDF: 18286557.4/48



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

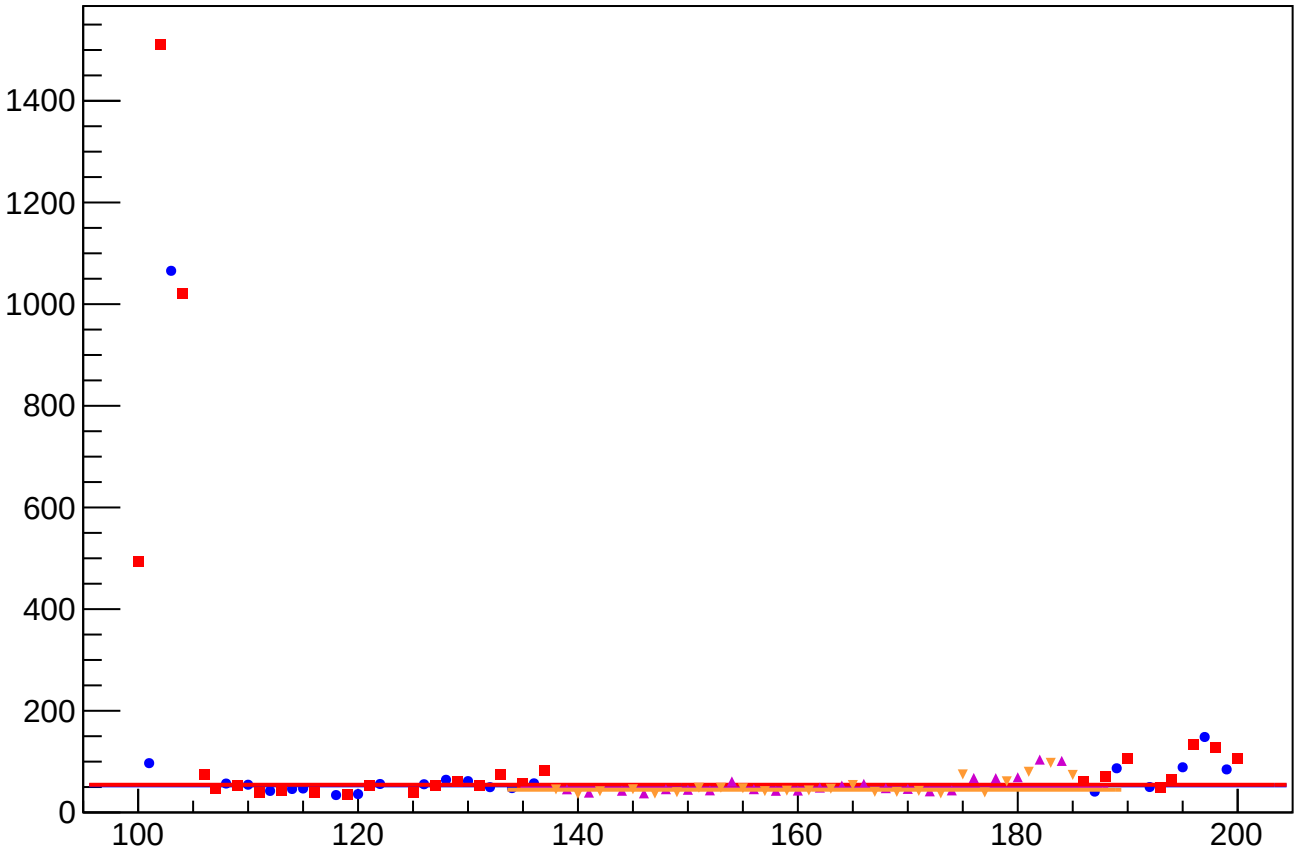
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

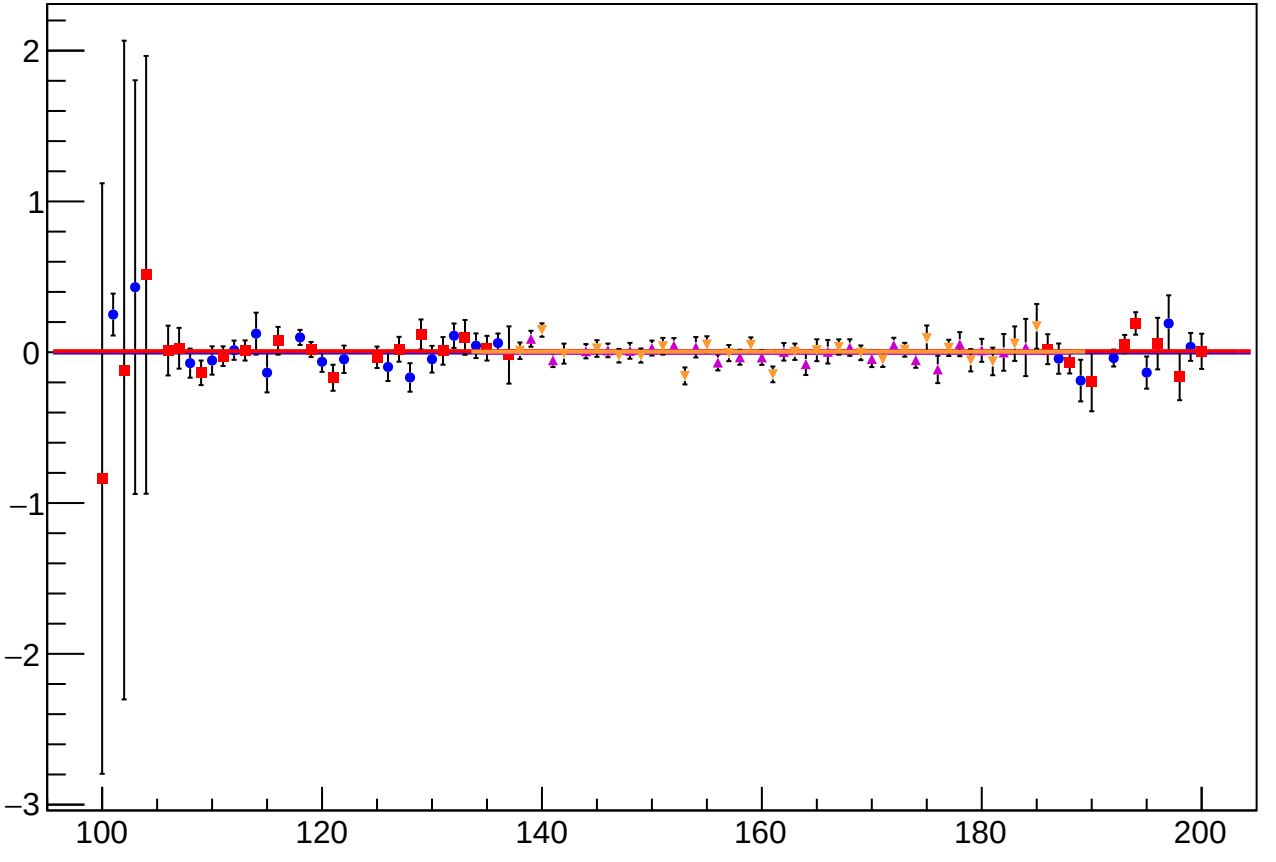
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770271.7/45

All: 48.201+/-0.005 χ^2/NDF: 10590758.9/94

- sign 49.294+/-0.007 χ^2/NDF: 5773363.3/48

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

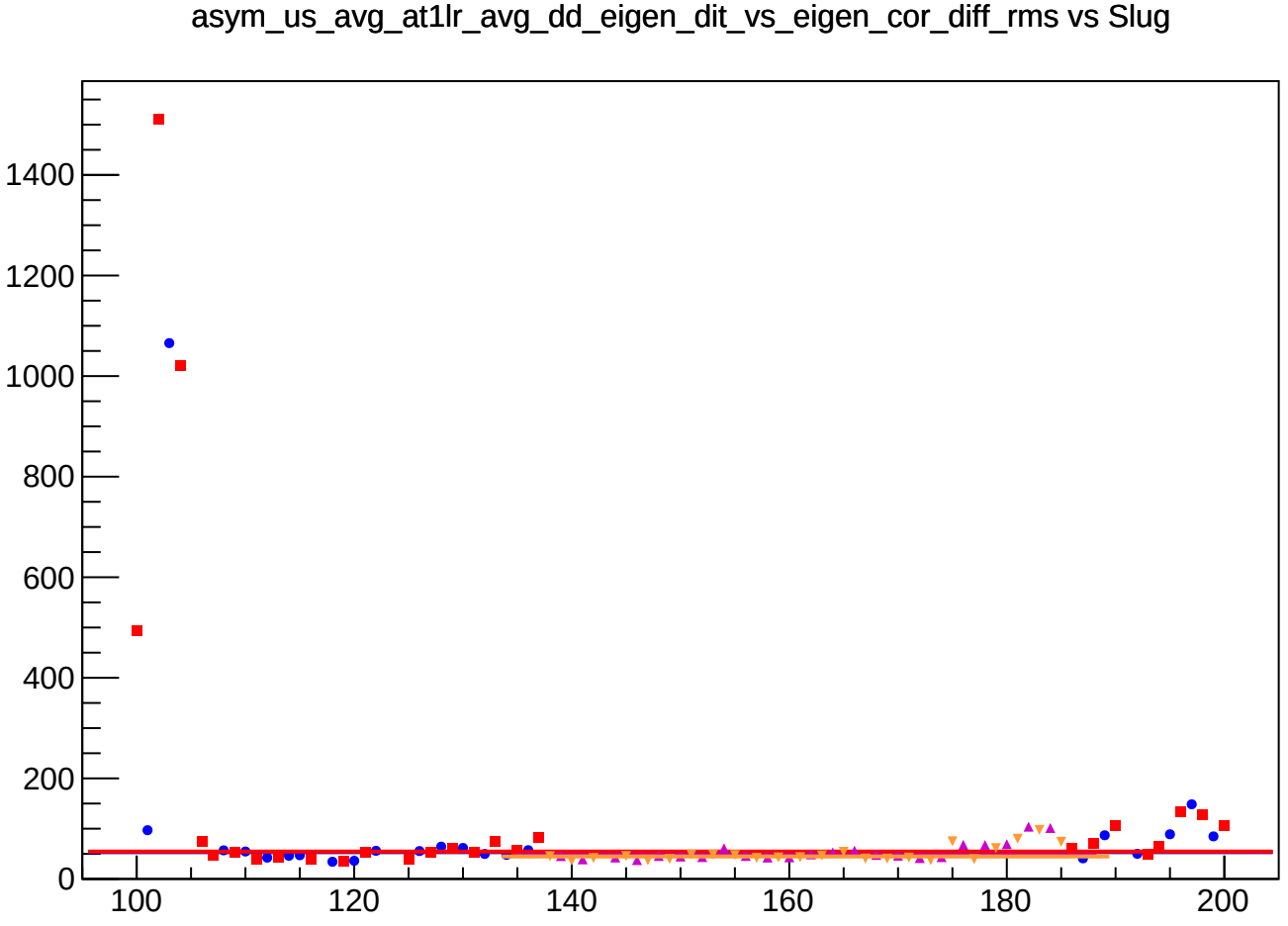
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

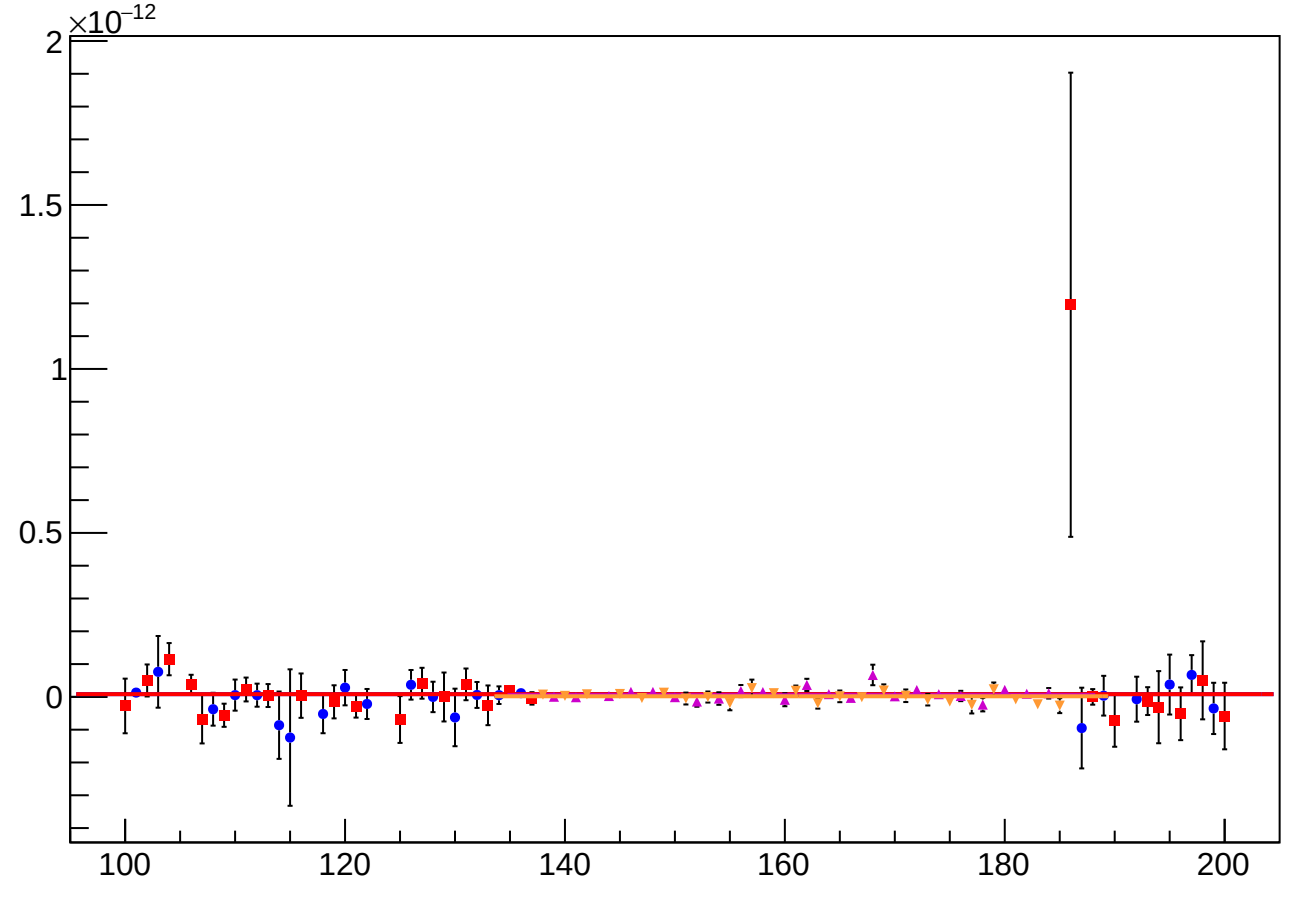
Right Out: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770271.7/45

All: 48.201+/-0.005 χ^2/NDF: 10590758.9/94

- sign 49.294+/-0.007 χ^2/NDF: 5773363.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

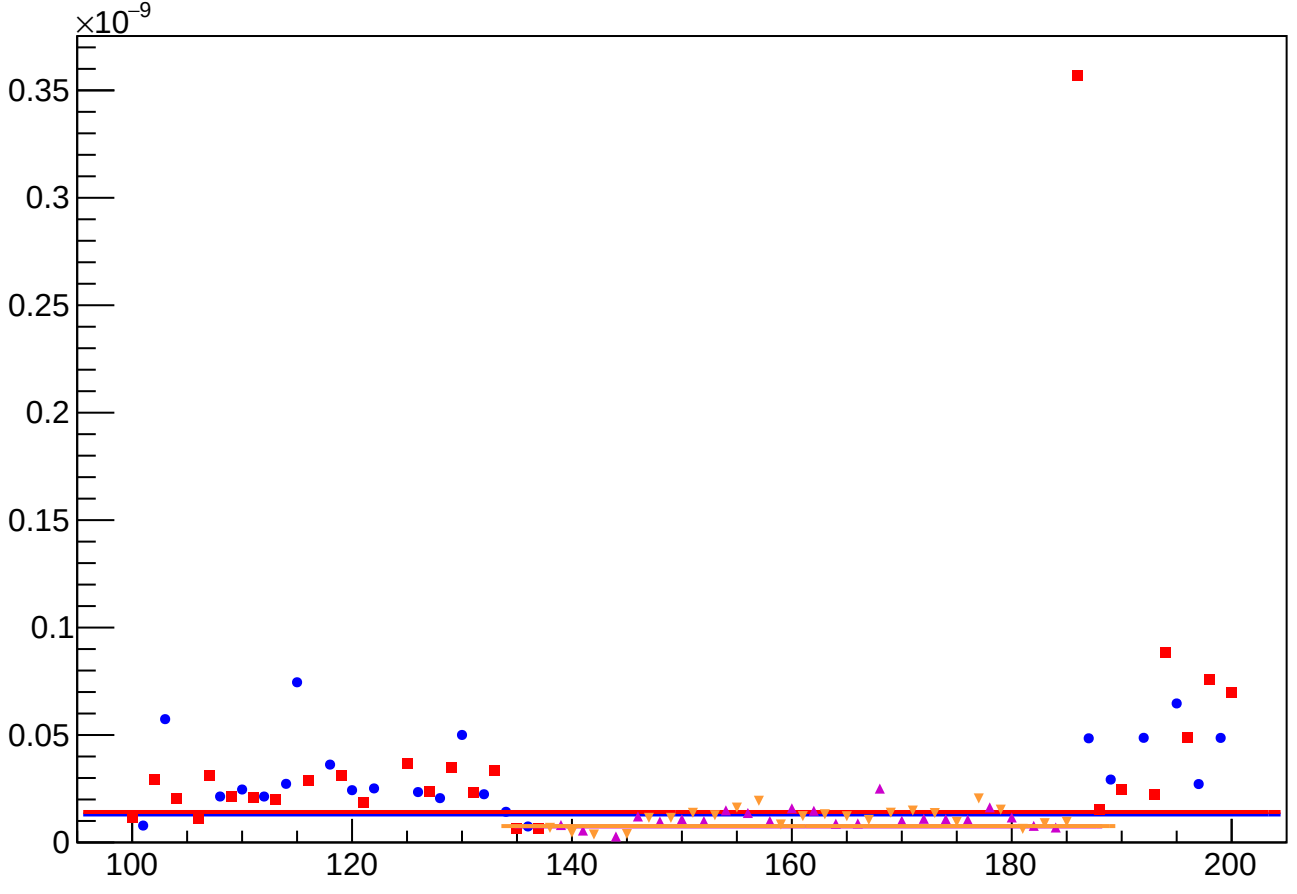
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/45

All: 0.000+/-0.000 χ^2/NDF: 69.7/94

- sign 0.000+/-0.000 χ^2/NDF: 39.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 5003549.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6016496.9/25

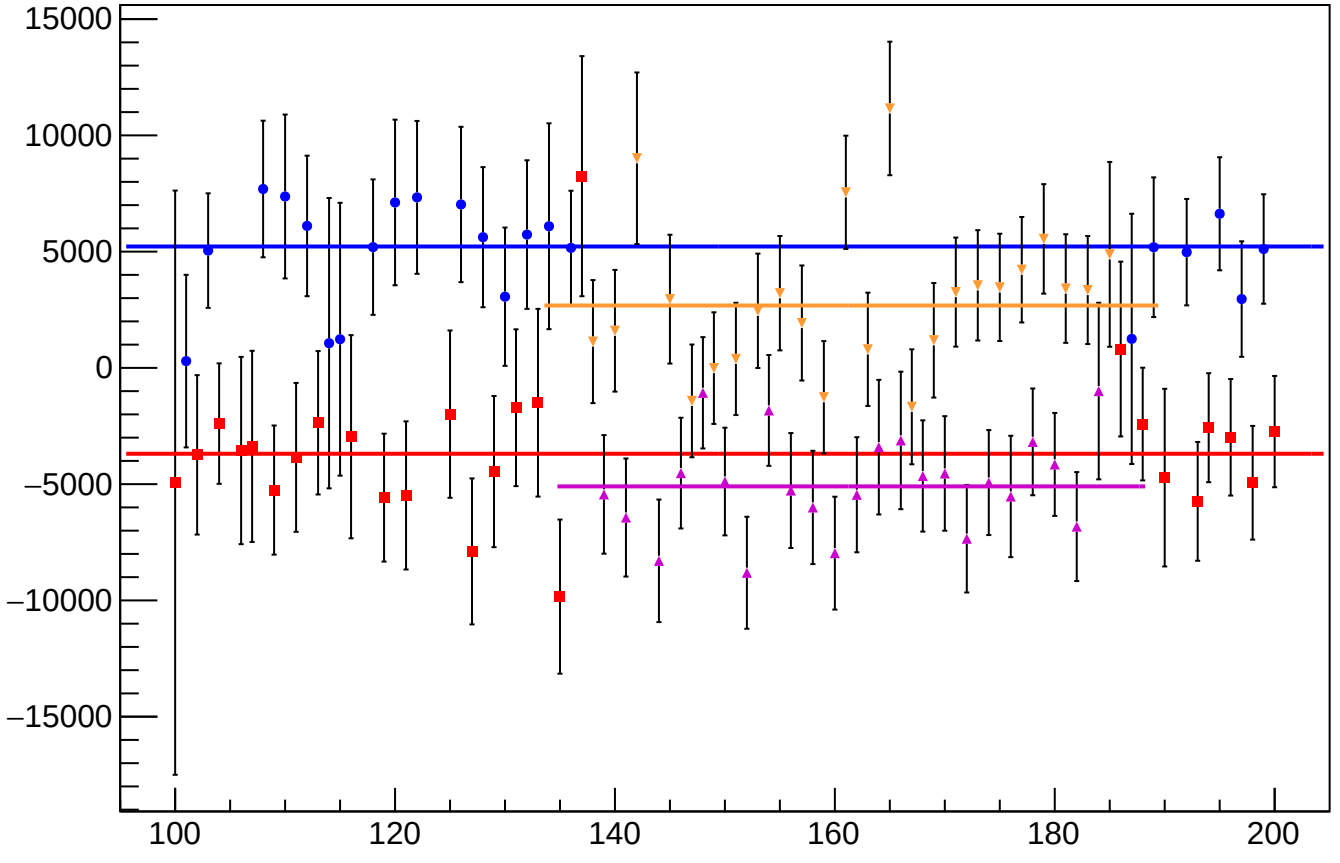
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782876.9/45

All: 0.000+/-0.000 χ^2/NDF: 25544414.3/94

- sign 0.000+/-0.000 χ^2/NDF: 13760920.5/48

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5221.034+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3692.518+/-611.560 χ^2/NDF: 16.2/25

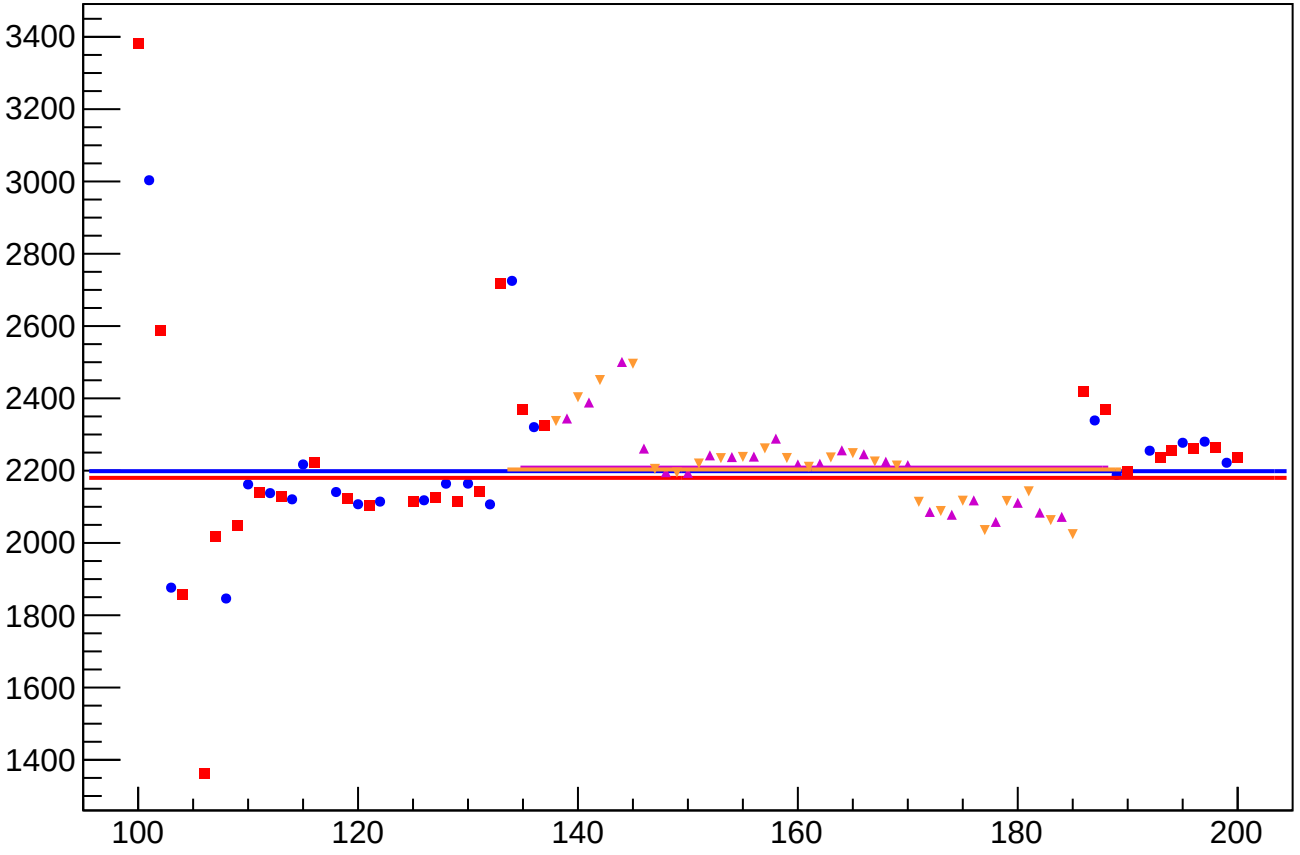
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3653.720+/-402.351 χ^2/NDF: 47.4/45

All: -509.953+/-281.681 χ^2/NDF: 291.7/94

- sign -4512.298+/-394.479 χ^2/NDF: 34.2/48

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205412.9/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

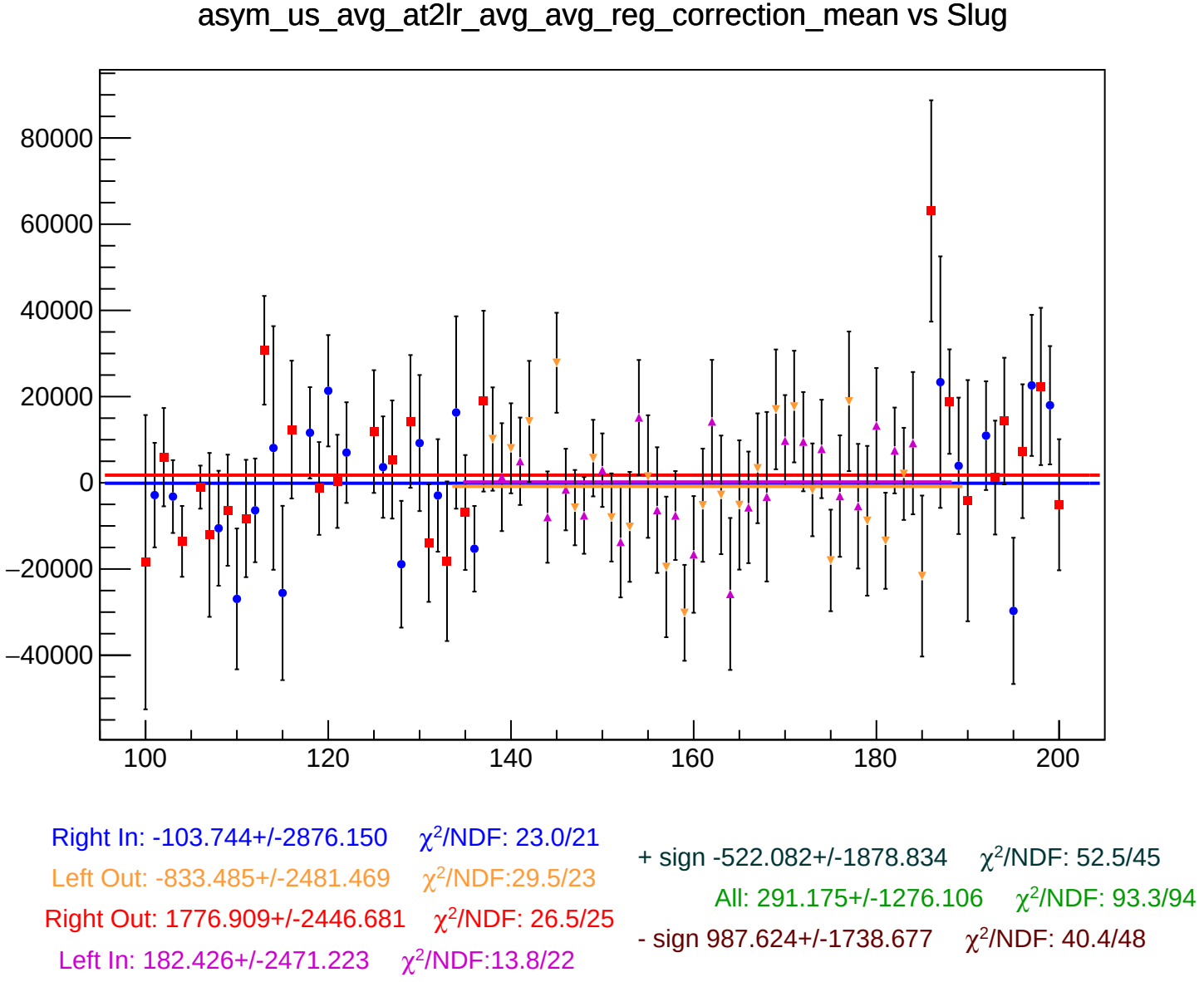
Right Out: 2180.052+/-0.428 χ^2/NDF: 311659.4/25

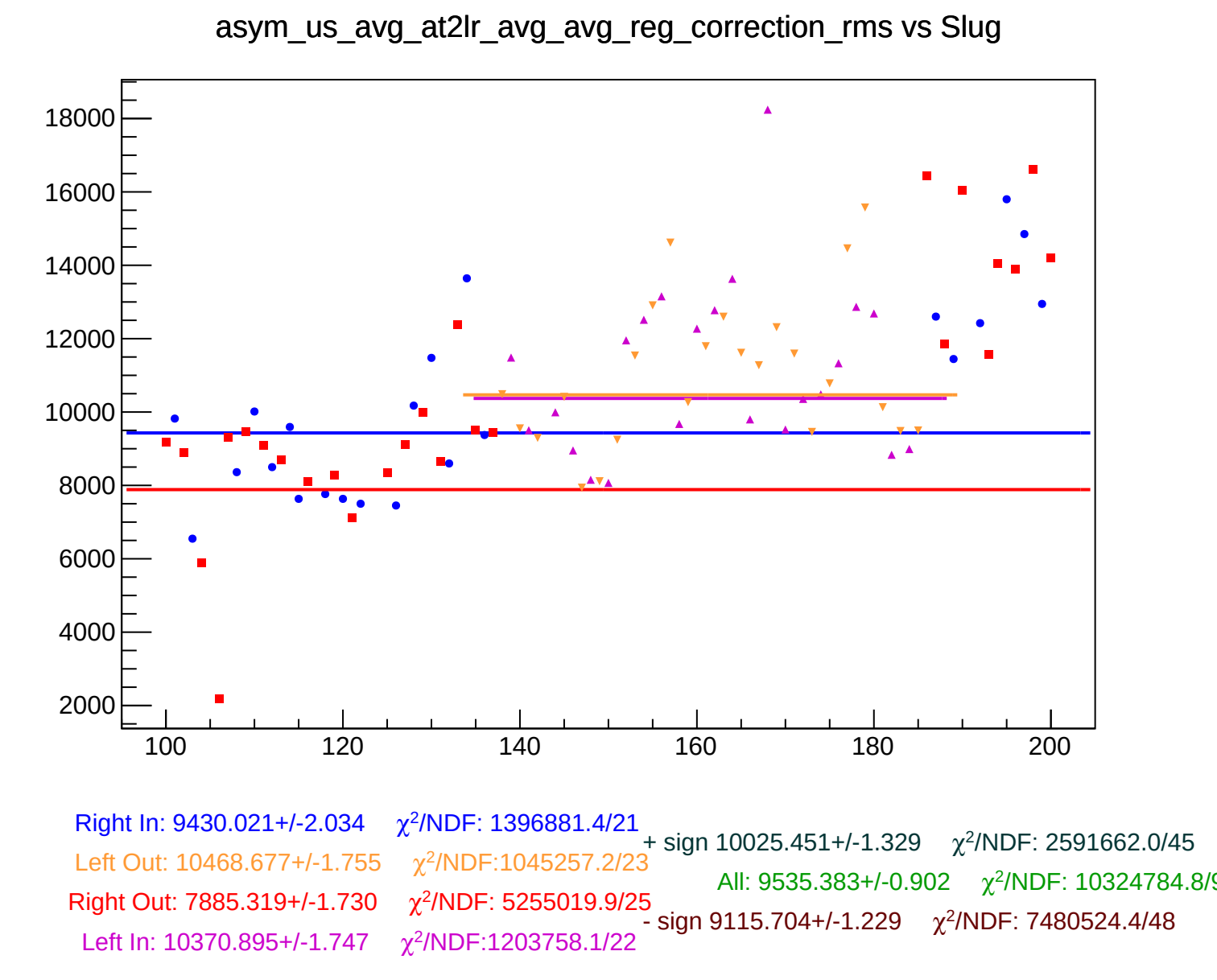
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.4/45

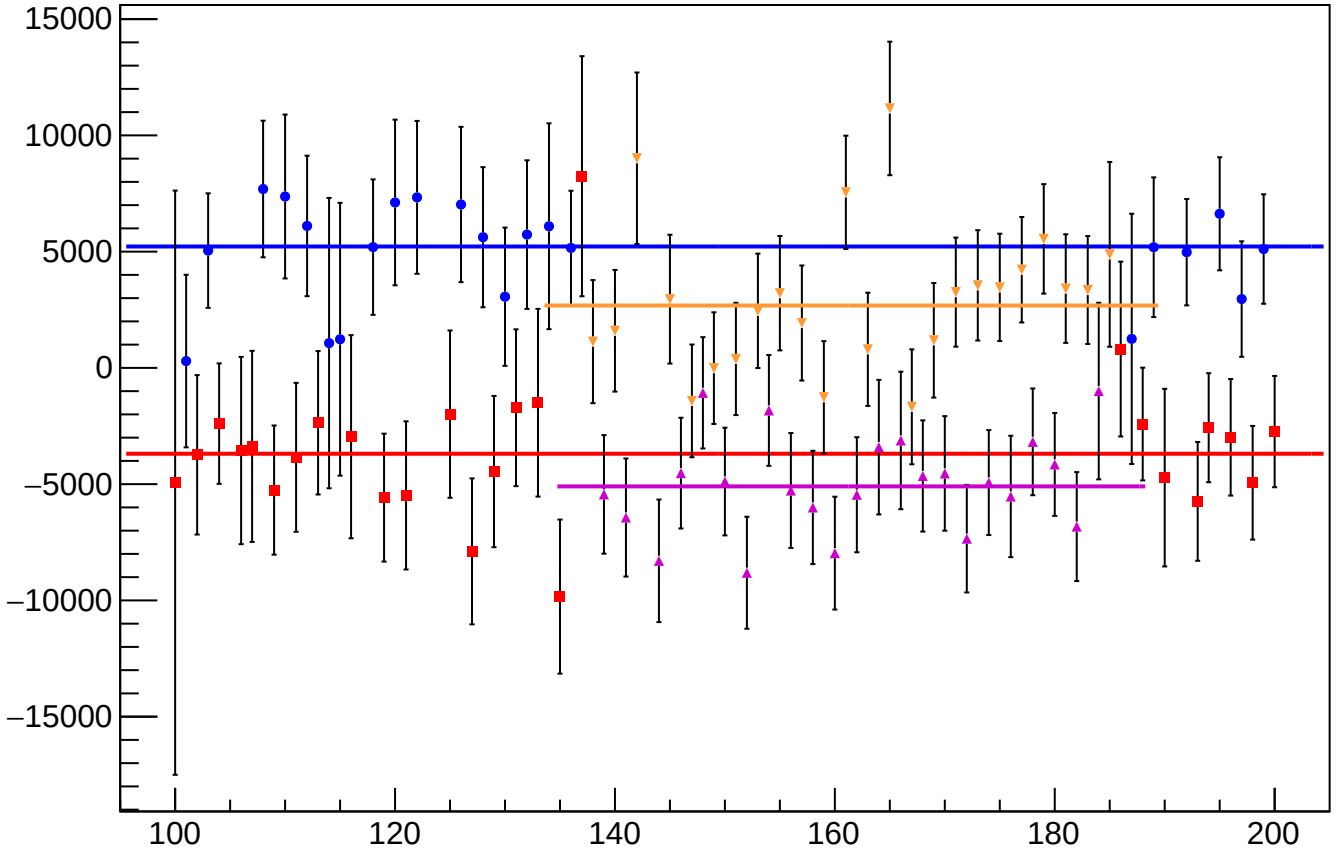
All: 2198.918+/-0.199 χ^2/NDF: 689032.2/94

- sign 2196.466+/-0.278 χ^2/NDF: 395186.3/48


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -103.744+/-2876.150 χ²/NDF: 23.0/21
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 1776.909+/-2446.681 χ²/NDF: 26.5/25
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -522.082+/-1878.834 χ²/NDF: 52.5/45
All: 291.175+/-1276.106 χ²/NDF: 93.3/94
- sign 987.624+/-1738.677 χ²/NDF: 40.4/48


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9430.021+/-2.034 χ²/NDF: 1396881.4/21
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7885.319+/-1.730 χ²/NDF: 5255019.9/25
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 10025.451+/-1.329 χ²/NDF: 2591662.0/45
All: 9535.383+/-0.902 χ²/NDF: 10324784.8/9
- sign 9115.704+/-1.229 χ²/NDF: 7480524.4/48

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3692.388+/-611.560 χ^2/NDF: 16.2/25

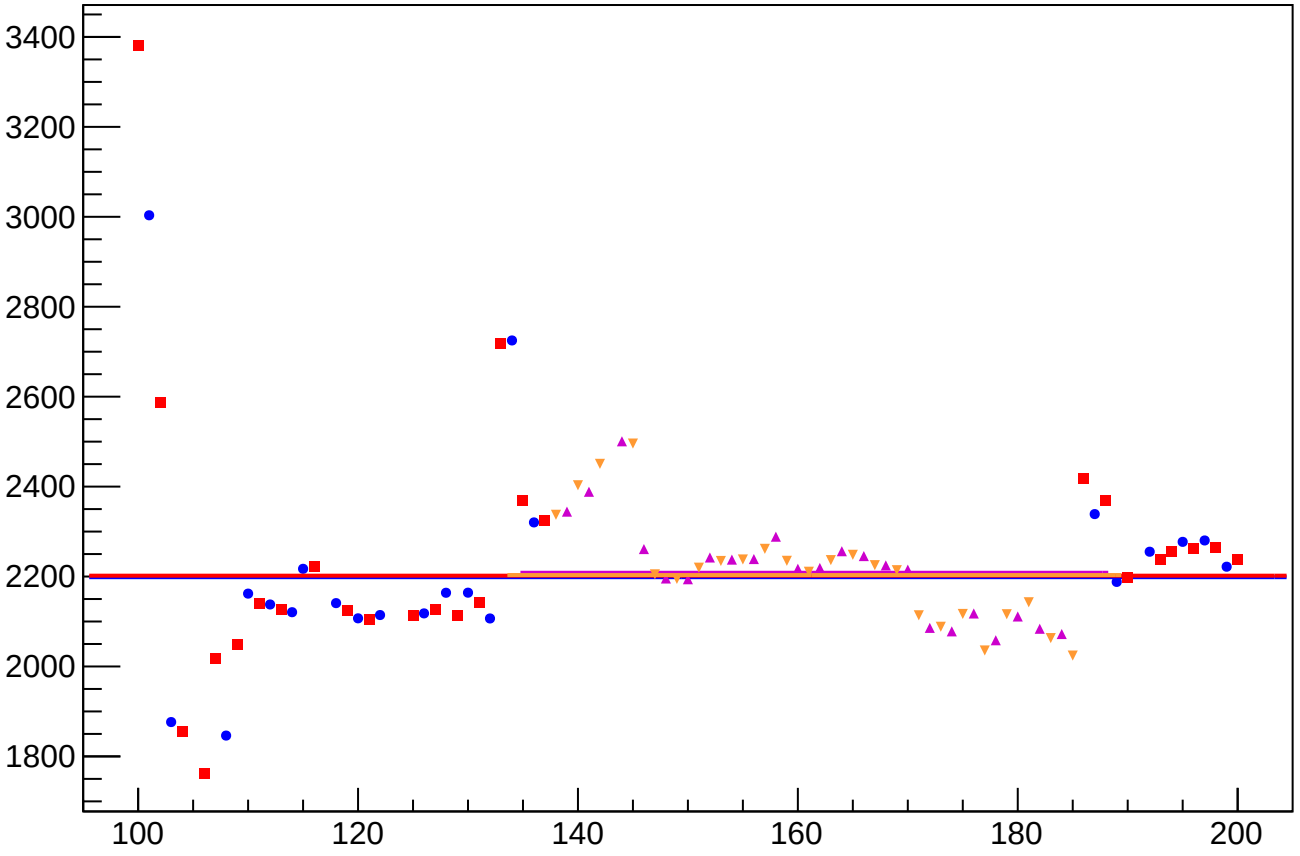
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3653.712+/-402.351 χ^2/NDF: 47.4/45

All: -509.901+/-281.681 χ^2/NDF: 291.7/94

- sign -4512.190+/-394.479 χ^2/NDF: 34.2/48

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

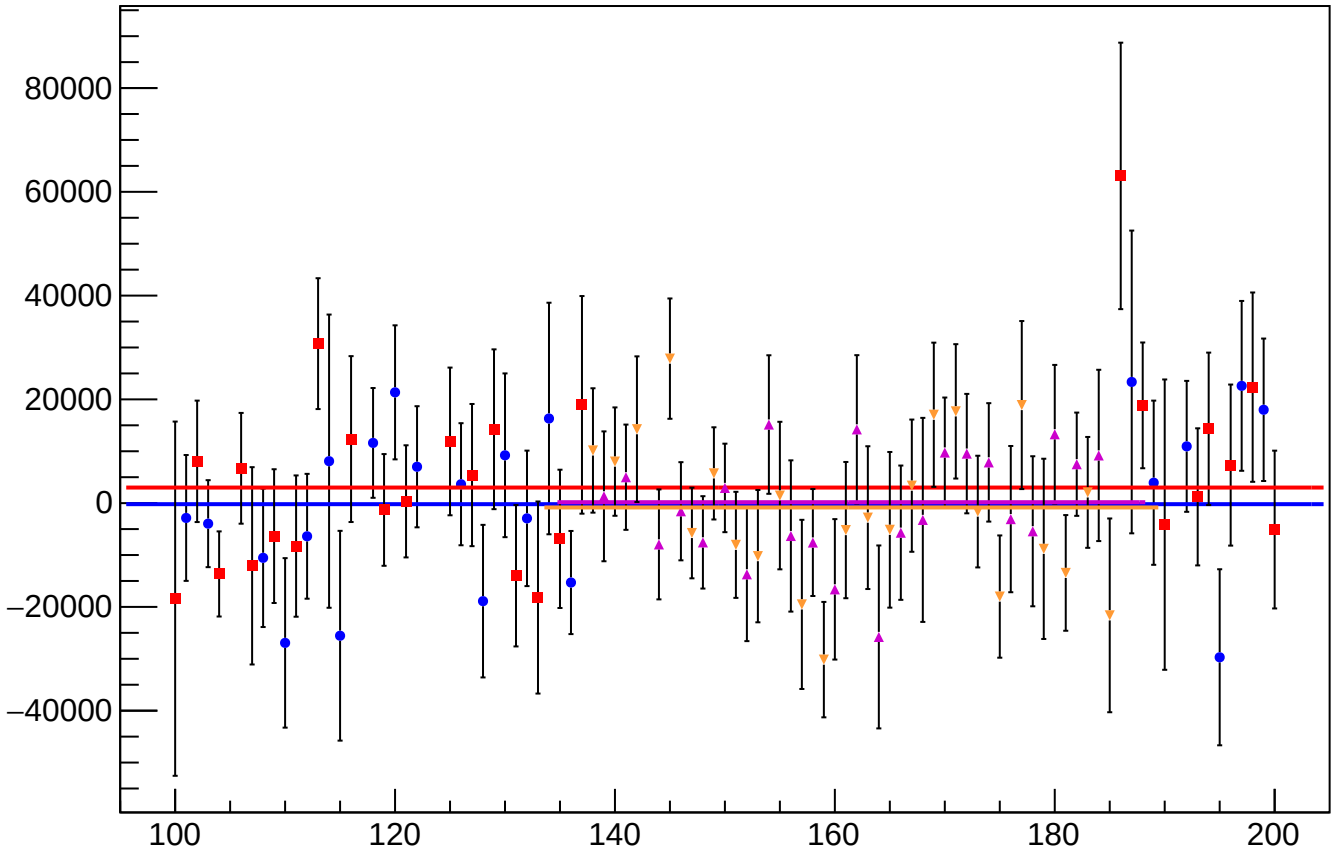
Right Out: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.8/45

All: 2203.626+/-0.199 χ^2/NDF: 562424.1/94

- sign 2205.676+/-0.279 χ^2/NDF: 268626.7/48



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

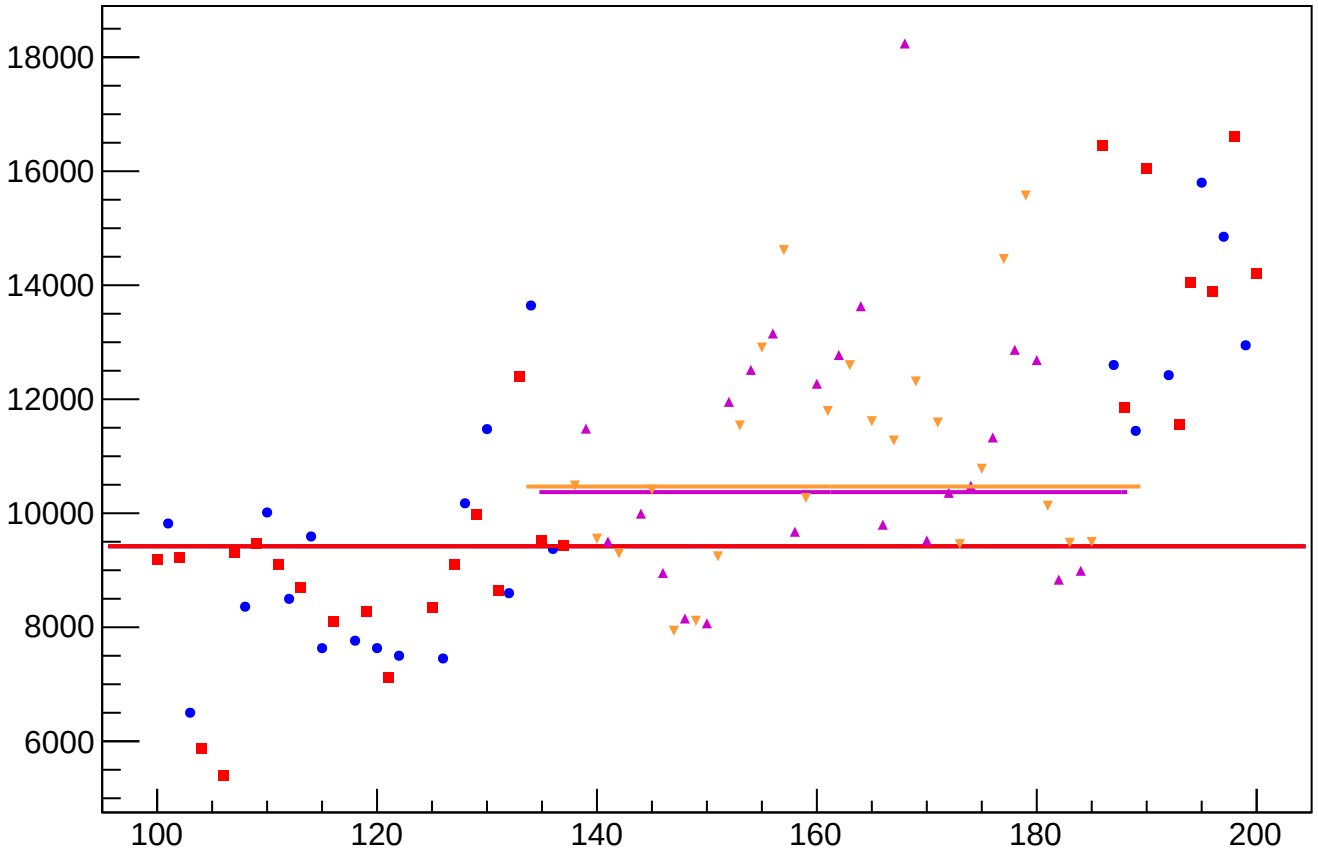
Right Out: 3003.607+/-2716.560 χ^2/NDF: 26.4/25

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -562.431+/-1878.119 χ^2/NDF: 52.6/45

All: 476.050+/-1309.956 χ^2/NDF: 93.9/94

- sign 1459.860+/-1828.013 χ^2/NDF: 40.7/48



Right In: 9419.308+/-2.032 χ^2/NDF: 1408240.5/21

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

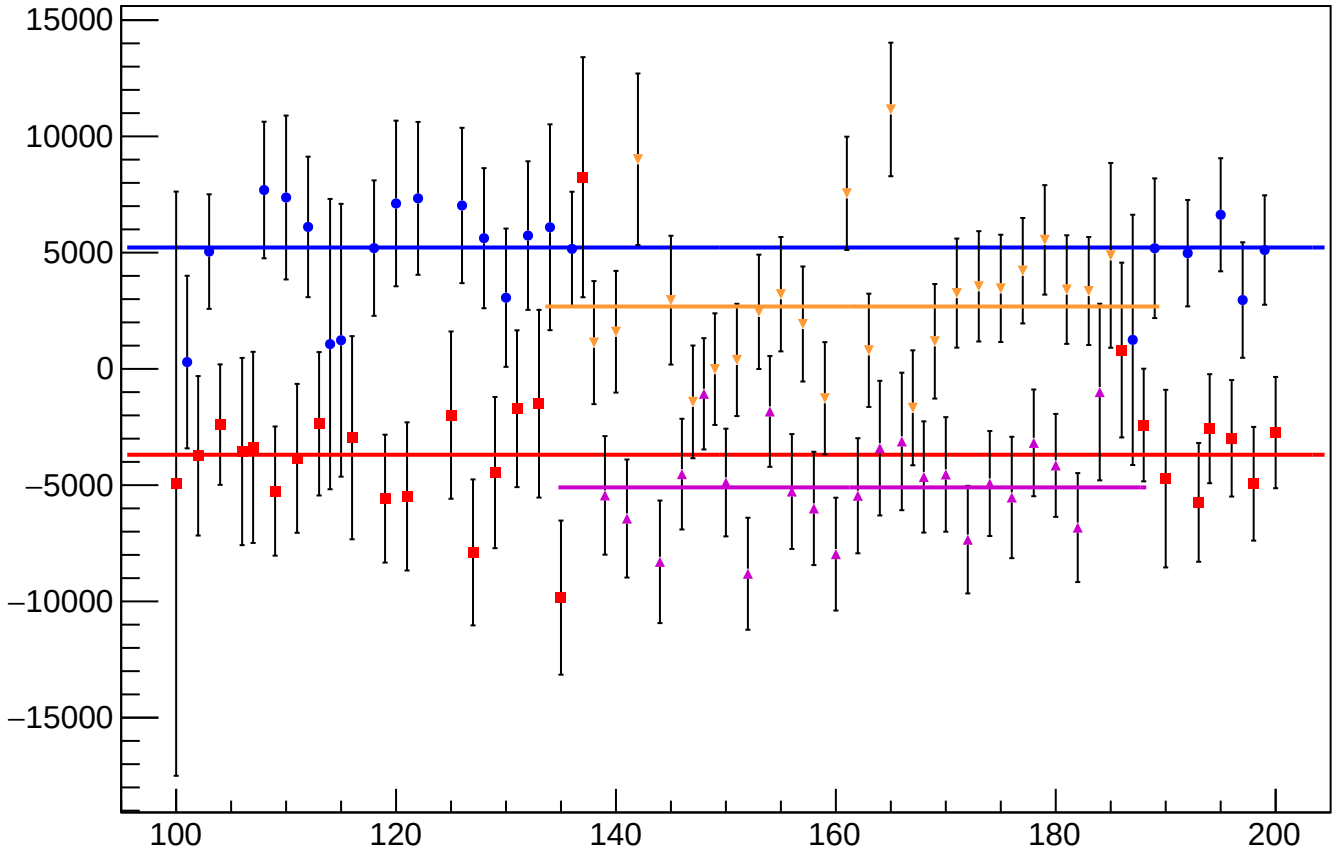
Right Out: 9421.511+/-1.921 χ^2/NDF: 2133244.7/25

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10020.421+/-1.328 χ^2/NDF: 2606278.5/45

All: 9979.635+/-0.926 χ^2/NDF: 6078784.0/94

- sign 9940.996+/-1.293 χ^2/NDF: 3470668.6/48



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3692.388+/-611.560 χ^2/NDF: 16.2/25

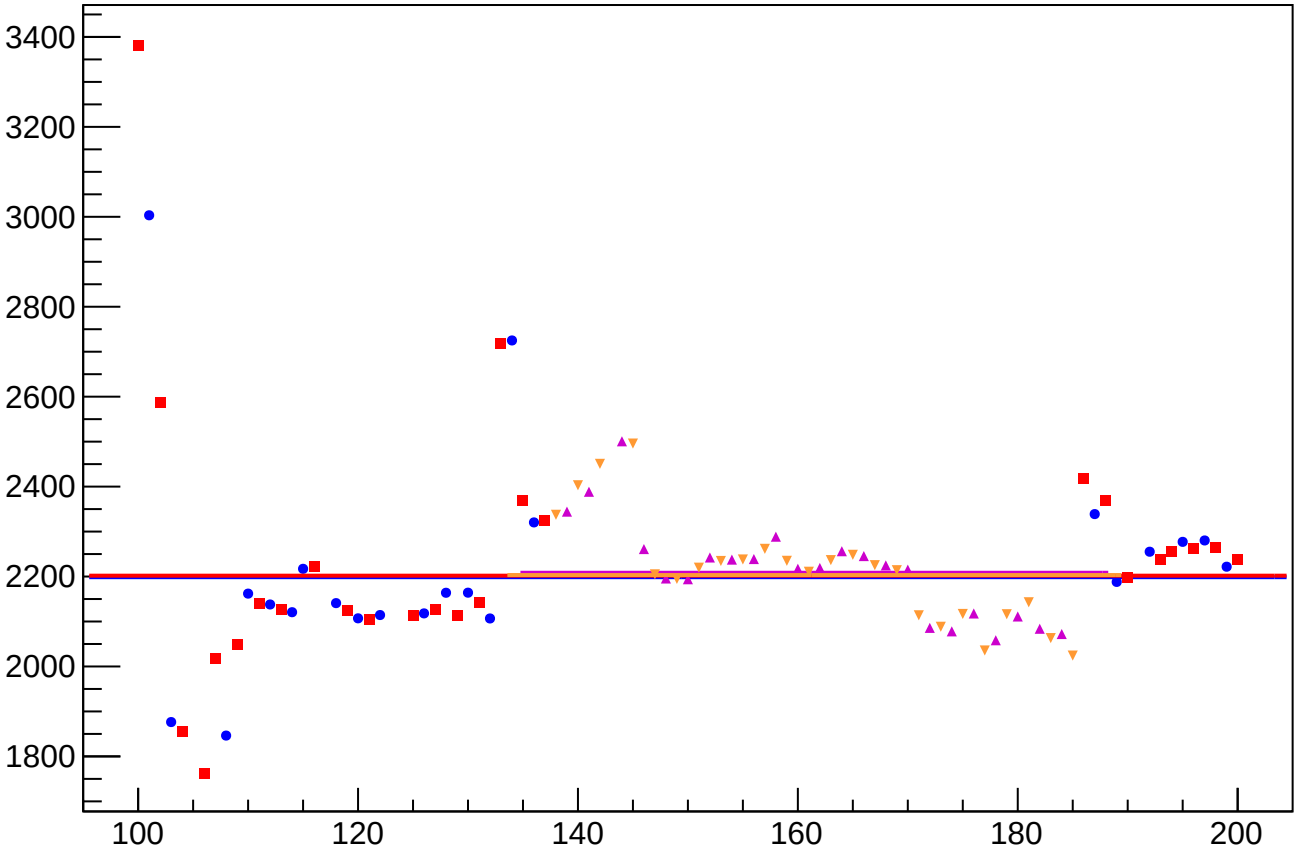
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3653.712+/-402.351 χ^2/NDF: 47.4/45

All: -509.901+/-281.681 χ^2/NDF: 291.7/94

- sign -4512.190+/-394.479 χ^2/NDF: 34.2/48

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

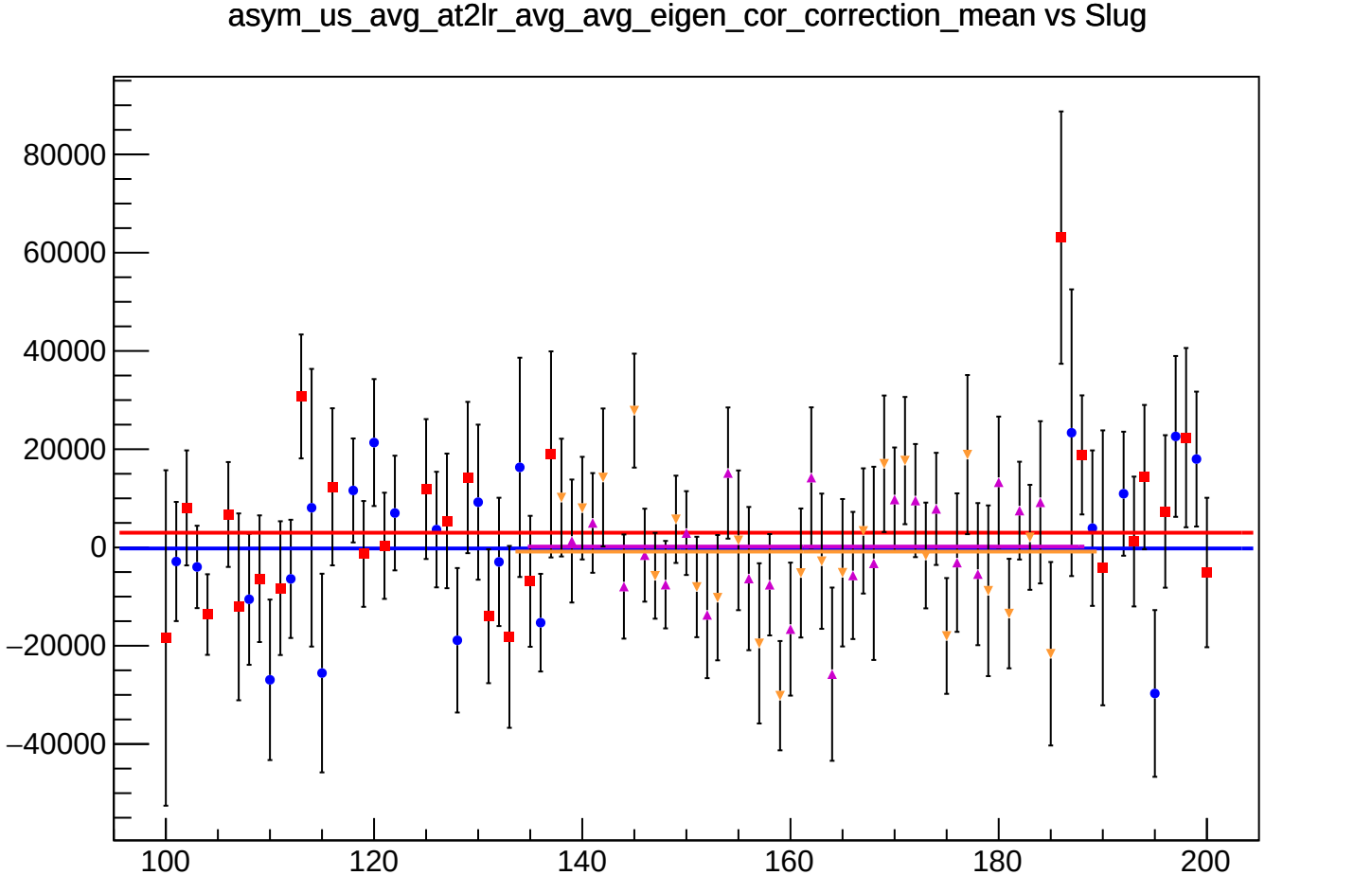
Right Out: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.8/45

All: 2203.626+/-0.199 χ^2/NDF: 562424.1/94

- sign 2205.676+/-0.279 χ^2/NDF: 268626.7/48



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

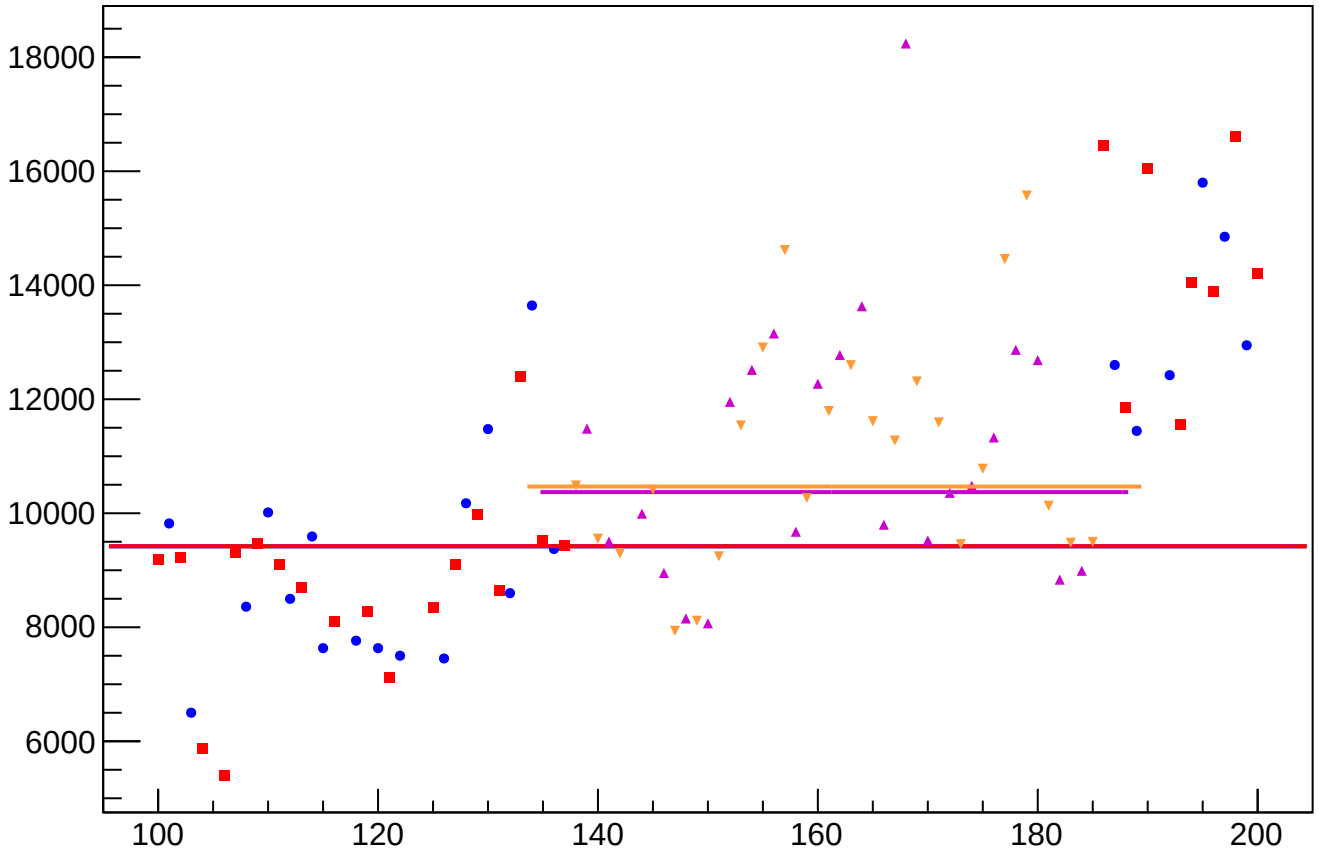
Right Out: 3003.607+/-2716.560 χ^2/NDF: 26.4/25

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -562.431+/-1878.119 χ^2/NDF: 52.6/45

All: 476.050+/-1309.956 χ^2/NDF: 93.9/94

- sign 1459.860+/-1828.013 χ^2/NDF: 40.7/48



Right In: 9419.308+/-2.032 χ^2/NDF: 1408240.5/21

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9421.511+/-1.921 χ^2/NDF: 2133244.7/25

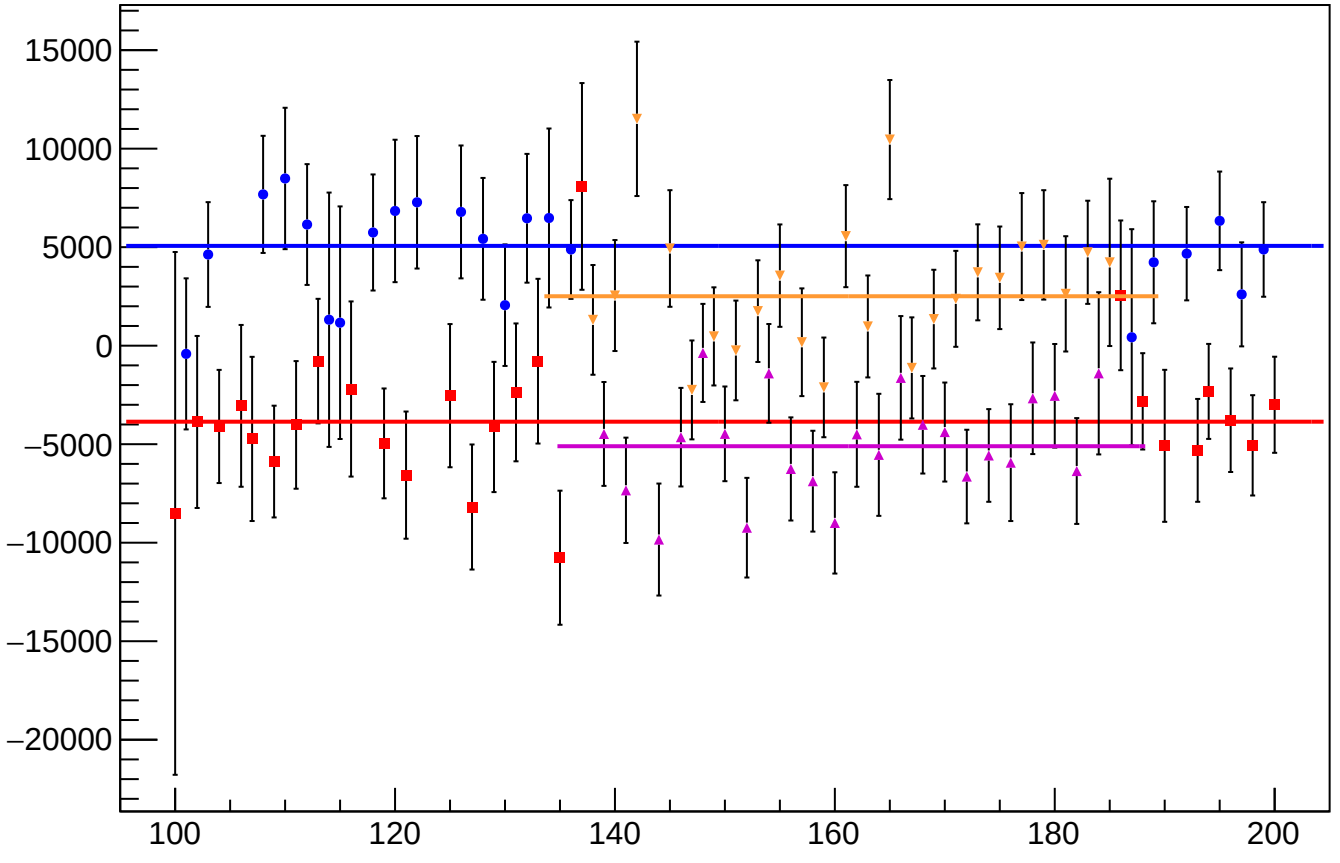
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10020.421+/-1.328 χ^2/NDF: 2606278.5/45

All: 9979.635+/-0.926 χ^2/NDF: 6078784.0/94

- sign 9940.996+/-1.293 χ^2/NDF: 3470668.6/48

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5065.185+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3858.321+/-631.269 χ^2/NDF: 18.9/25

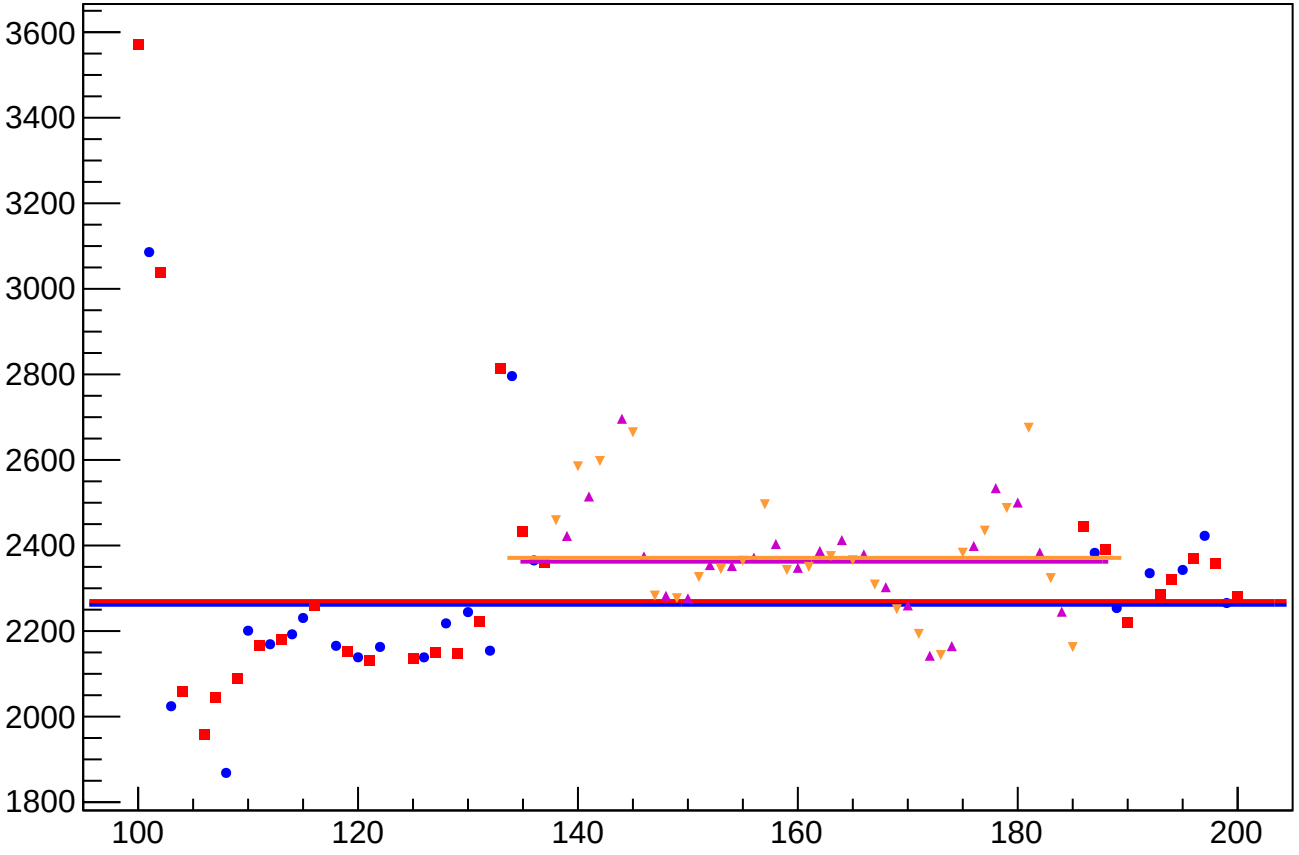
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3542.625+/-425.710 χ^2/NDF: 47.3/45

All: -605.754+/-297.453 χ^2/NDF: 273.8/94

- sign -4563.022+/-415.788 χ^2/NDF: 41.0/48

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.1/21

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

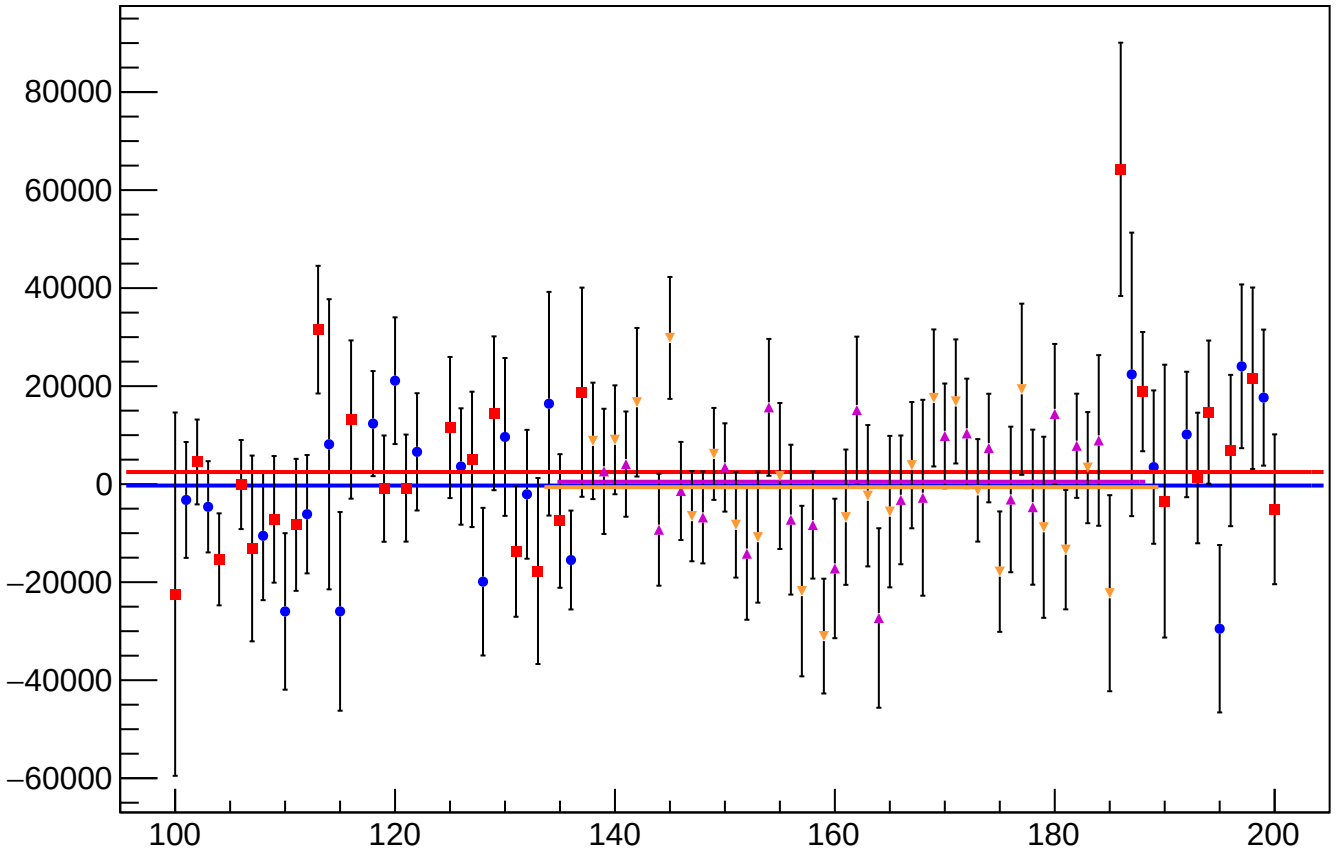
Right Out: 2270.137+/-0.446 χ^2/NDF: 192286.1/25

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.828+/-0.301 χ^2/NDF: 349308.8/45

All: 2324.487+/-0.210 χ^2/NDF: 657712.3/94

- sign 2322.255+/-0.294 χ^2/NDF: 308285.5/48



Right In: -284.064+/-2923.417 χ^2/NDF: 22.9/21

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

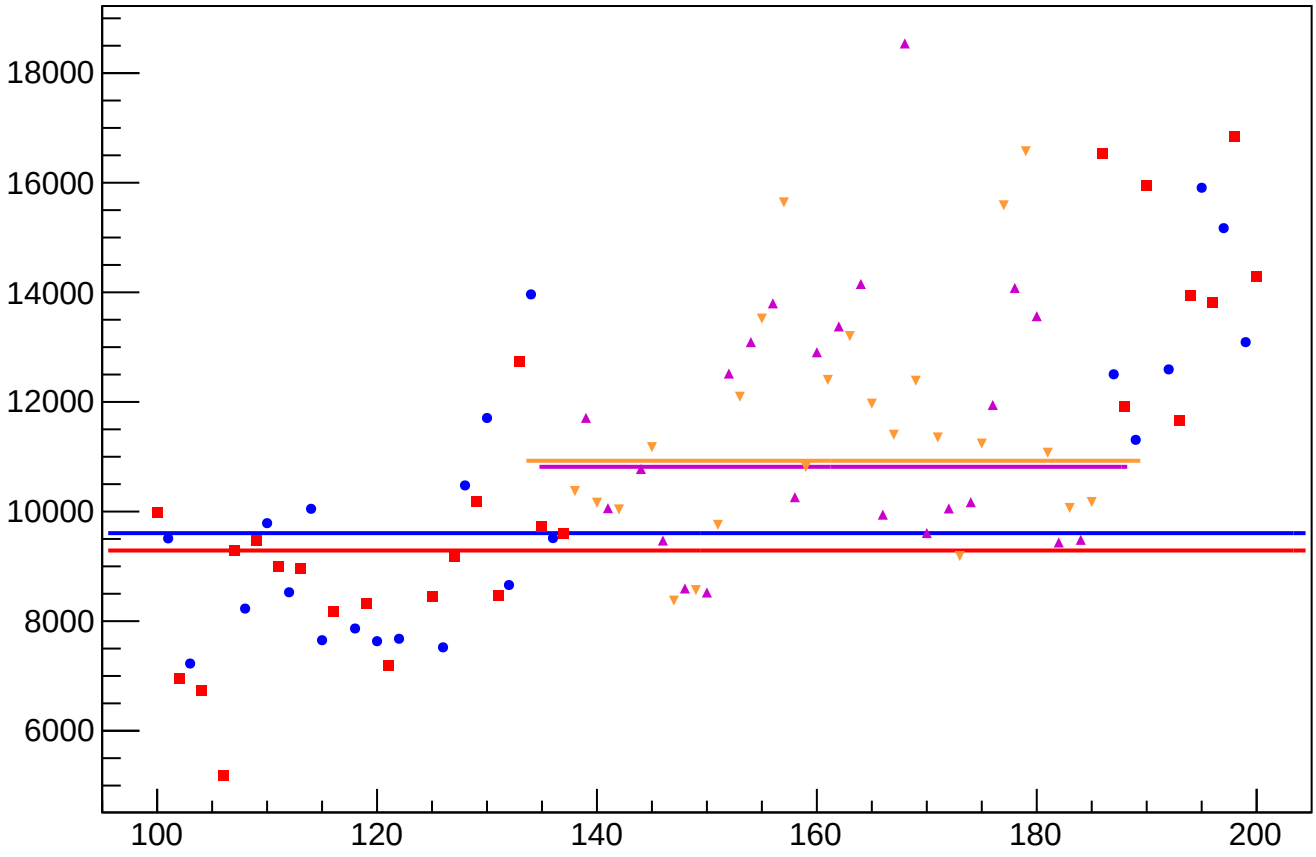
Right Out: 2475.307+/-2674.548 χ^2/NDF: 26.1/25

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

\+ sign -465.714+/-1938.583 χ^2/NDF: 51.8/45

All: 531.766+/-1340.568 χ^2/NDF: 92.2/94

\- sign 1445.894+/-1855.821 χ^2/NDF: 39.9/48



Right In: 9605.946+/-2.067 χ^2/NDF: 1298068.6/21

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

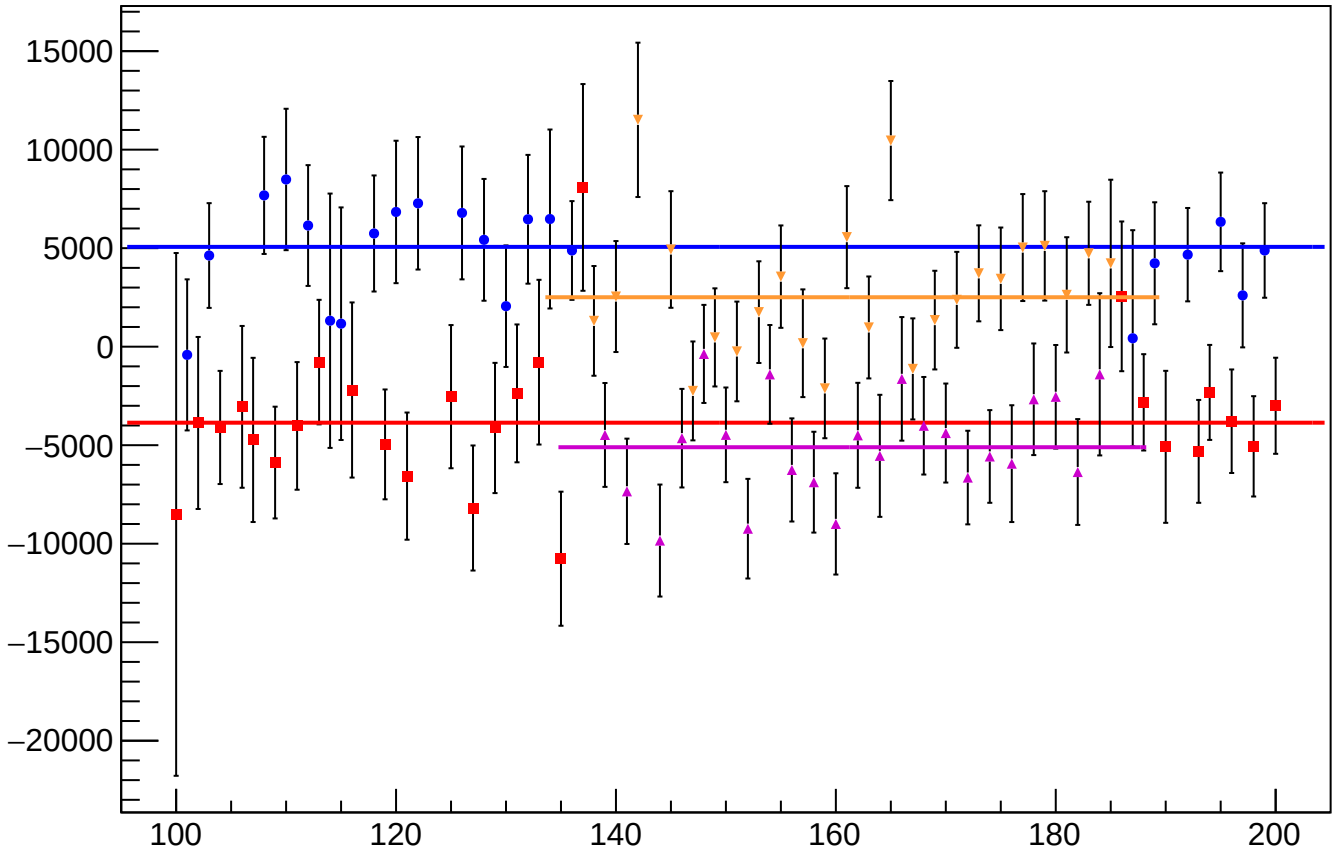
Right Out: 9289.270+/-1.891 χ^2/NDF: 2243164.5/25

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10346.013+/-1.371 χ^2/NDF: 2584167.2/45

All: 10207.774+/-0.948 χ^2/NDF: 6381713.7/9

- sign 10081.087+/-1.312 χ^2/NDF: 3778056.3/48



Right In: 5065.183+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3858.322+/-631.269 χ^2/NDF: 18.9/25

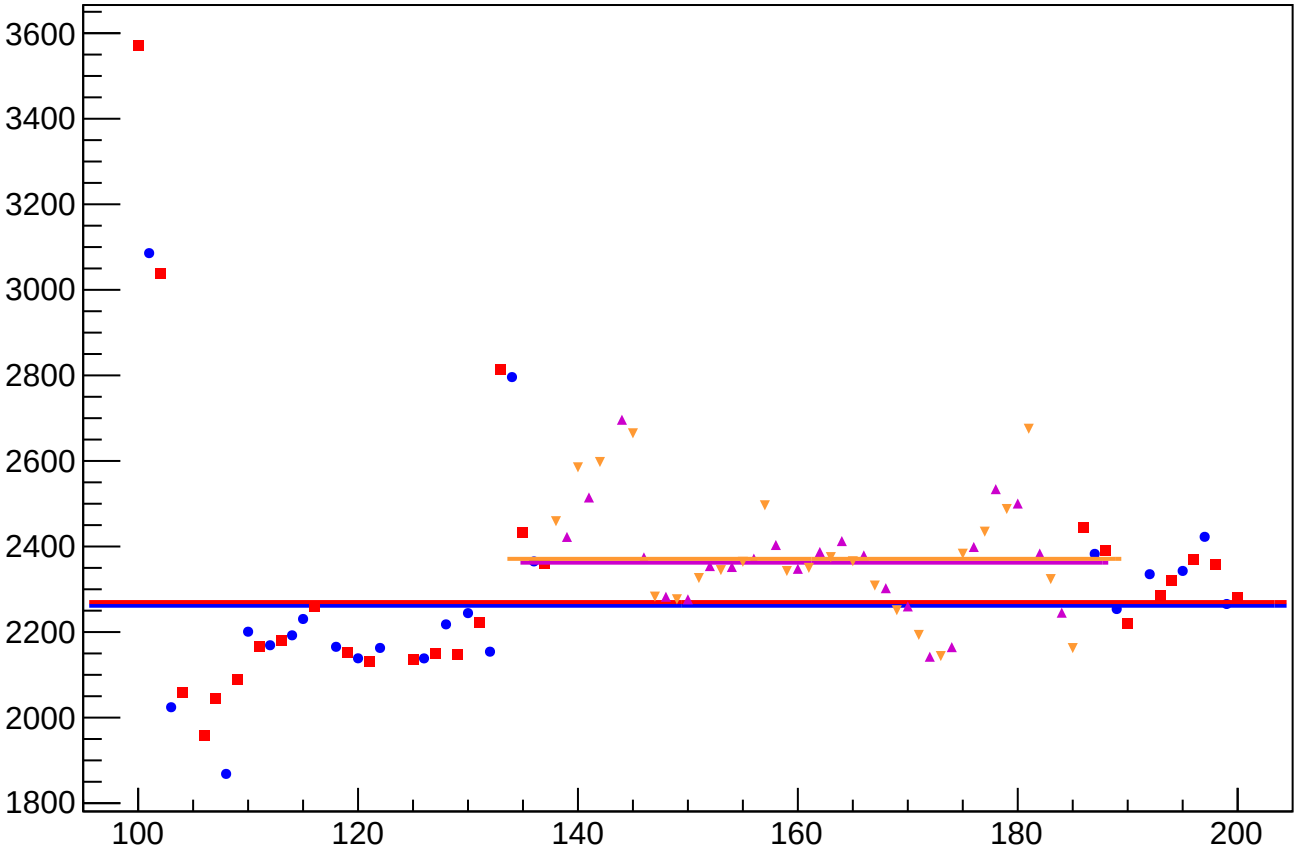
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3542.619+/-425.710 χ^2/NDF: 47.3/45

All: -605.757+/-297.453 χ^2/NDF: 273.8/94

- sign -4563.023+/-415.789 χ^2/NDF: 41.0/48

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.5/21

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

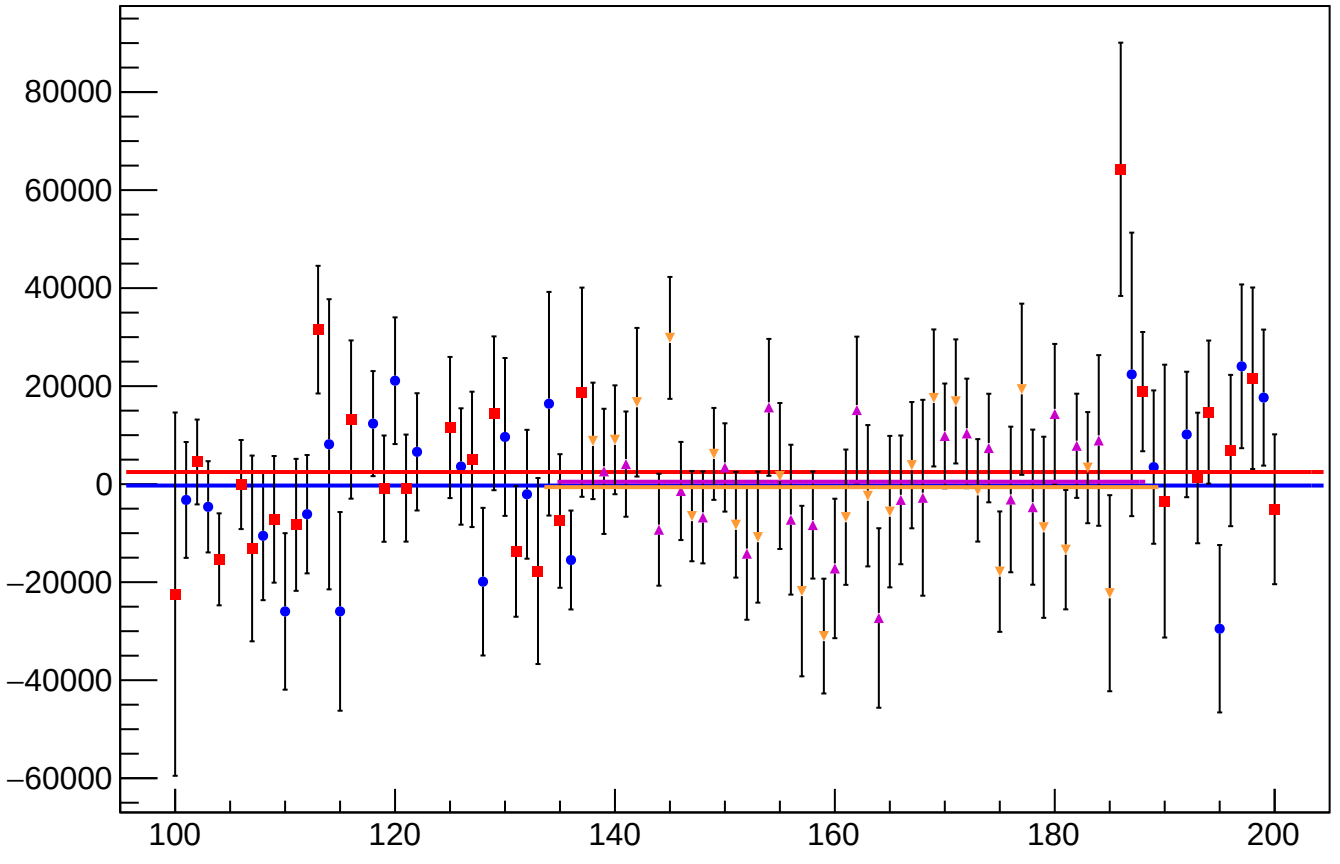
Right Out: 2270.137+/-0.446 χ^2/NDF: 192286.4/25

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.829+/-0.301 χ^2/NDF: 349315.7/45

All: 2324.489+/-0.210 χ^2/NDF: 657725.9/94

- sign 2322.257+/-0.294 χ^2/NDF: 308292.1/48



Right In: -284.054+/-2923.413 χ^2/NDF: 22.9/21

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

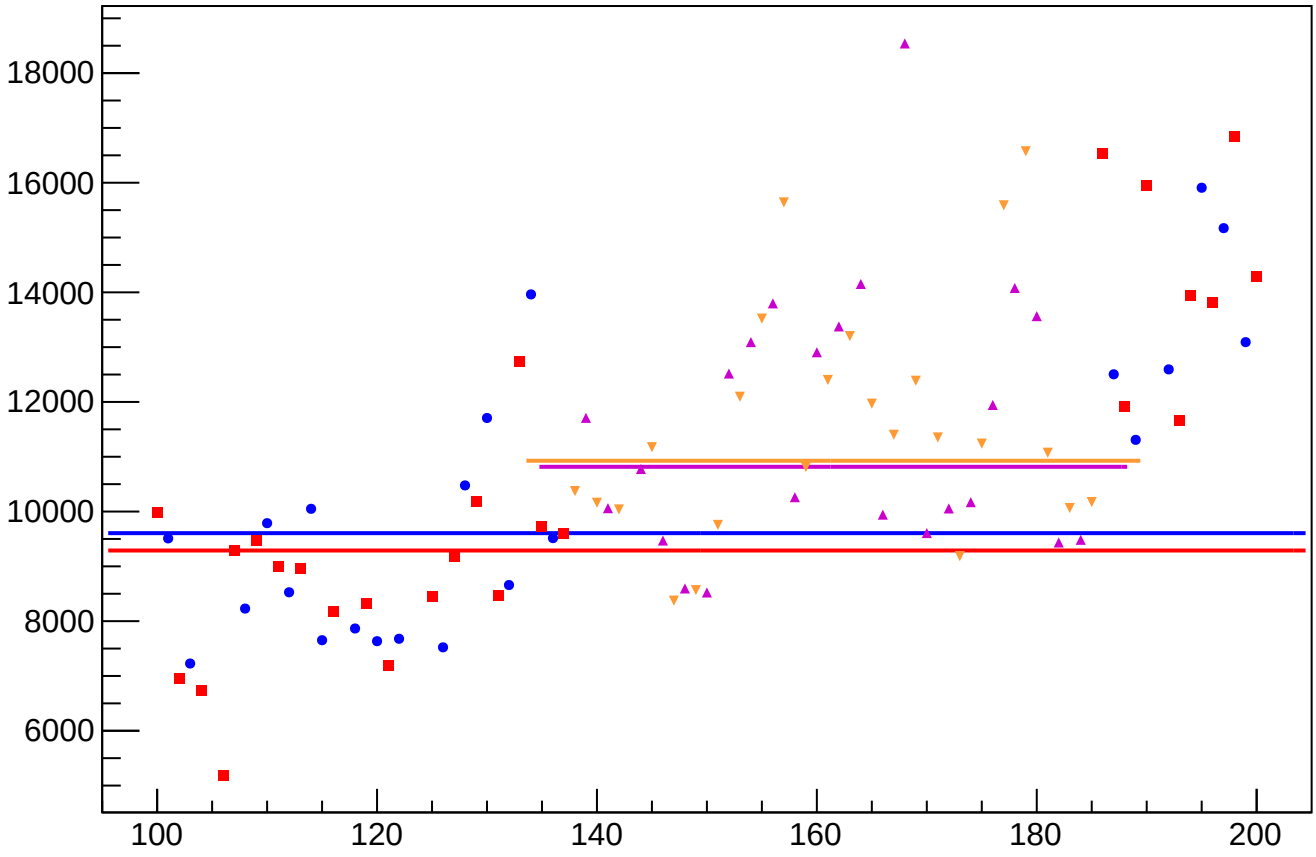
Right Out: 2475.293+/-2674.544 χ^2/NDF: 26.1/25

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -465.713+/-1938.584 χ^2/NDF: 51.8/45

All: 531.765+/-1340.568 χ^2/NDF: 92.2/94

- sign 1445.892+/-1855.822 χ^2/NDF: 39.9/48



Right In: 9605.927+/-2.067 χ^2/NDF: 1298084.3/21

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9289.253+/-1.891 χ^2/NDF: 2243178.1/25

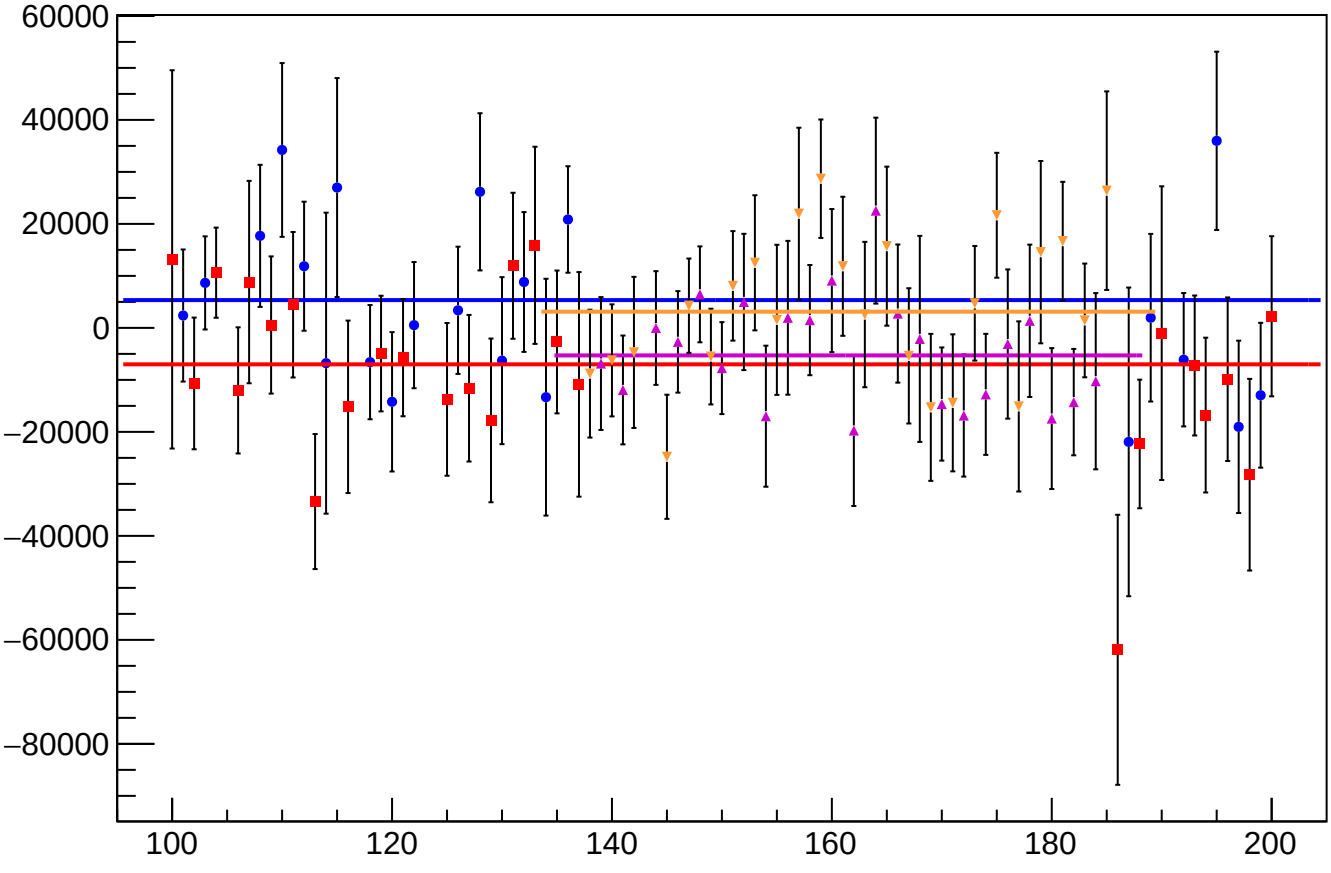
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10346.012+/-1.371 χ^2/NDF: 2584198.2/45

All: 10207.773+/-0.948 χ^2/NDF: 6381776.9/9

- sign 10081.085+/-1.312 χ^2/NDF: 3778088.4/48

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5345.268+/-2969.688 χ^2/NDF: 23.2/21

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7012.004+/-2821.424 χ^2/NDF: 23.2/25

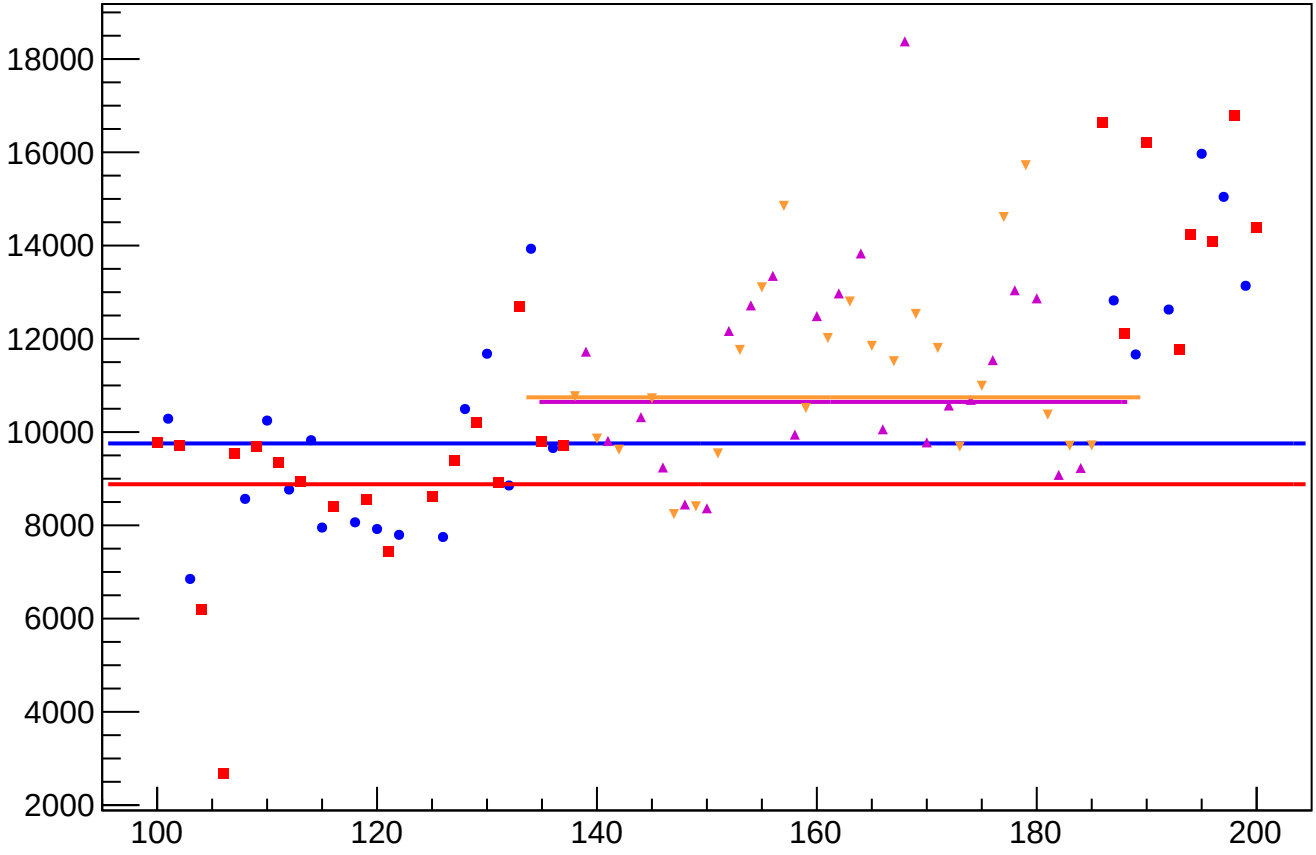
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4060.876+/-1931.512 χ^2/NDF: 51.0/45

All: -1122.739+/-1348.984 χ^2/NDF: 101.8/94

- sign -6058.908+/-1884.847 χ^2/NDF: 36.7/48

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9756.290+/-2.100 χ^2/NDF: 1292725.4/21

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

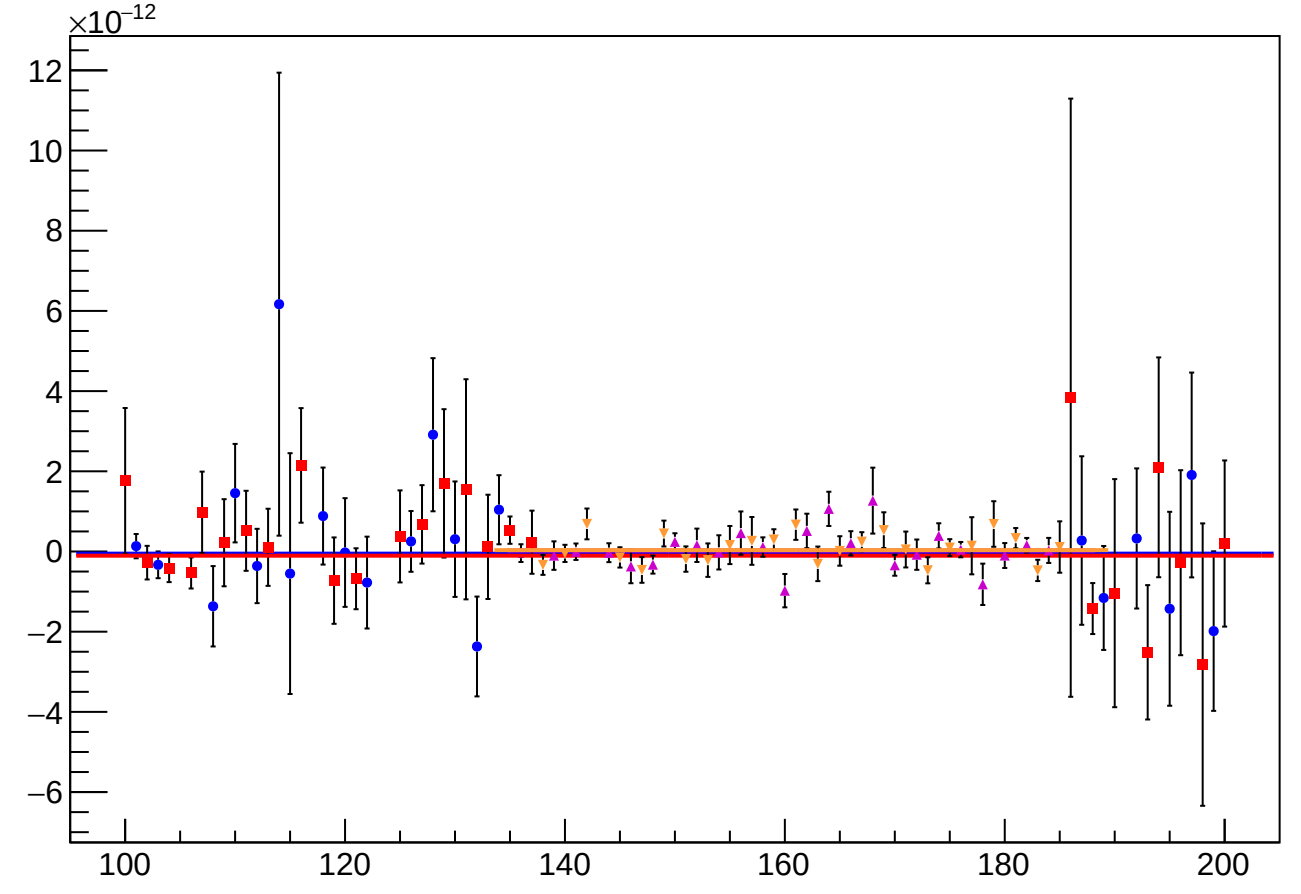
Right Out: 8881.319+/-1.884 χ^2/NDF: 3703433.0/25

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

\+ sign 10326.930+/-1.366 χ^2/NDF: 2385338.7/45

All: 10054.485+/-0.941 χ^2/NDF: 7739707.6/9

\- sign 9808.397+/-1.298 χ^2/NDF: 5278634.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

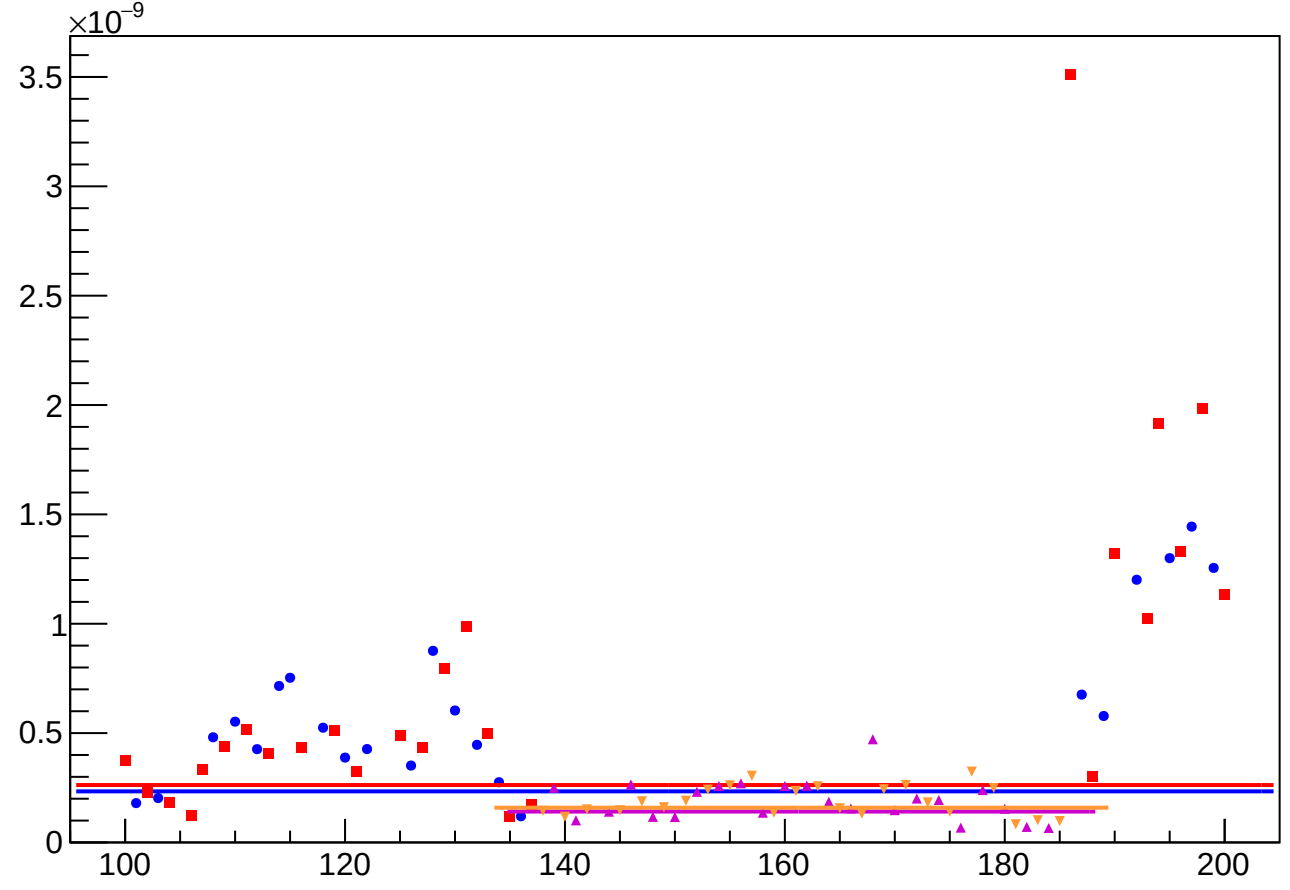
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/25

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.6/45

All: 0.000+/-0.000 χ^2/NDF: 94.2/94

- sign 0.000+/-0.000 χ^2/NDF: 50.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3903621.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

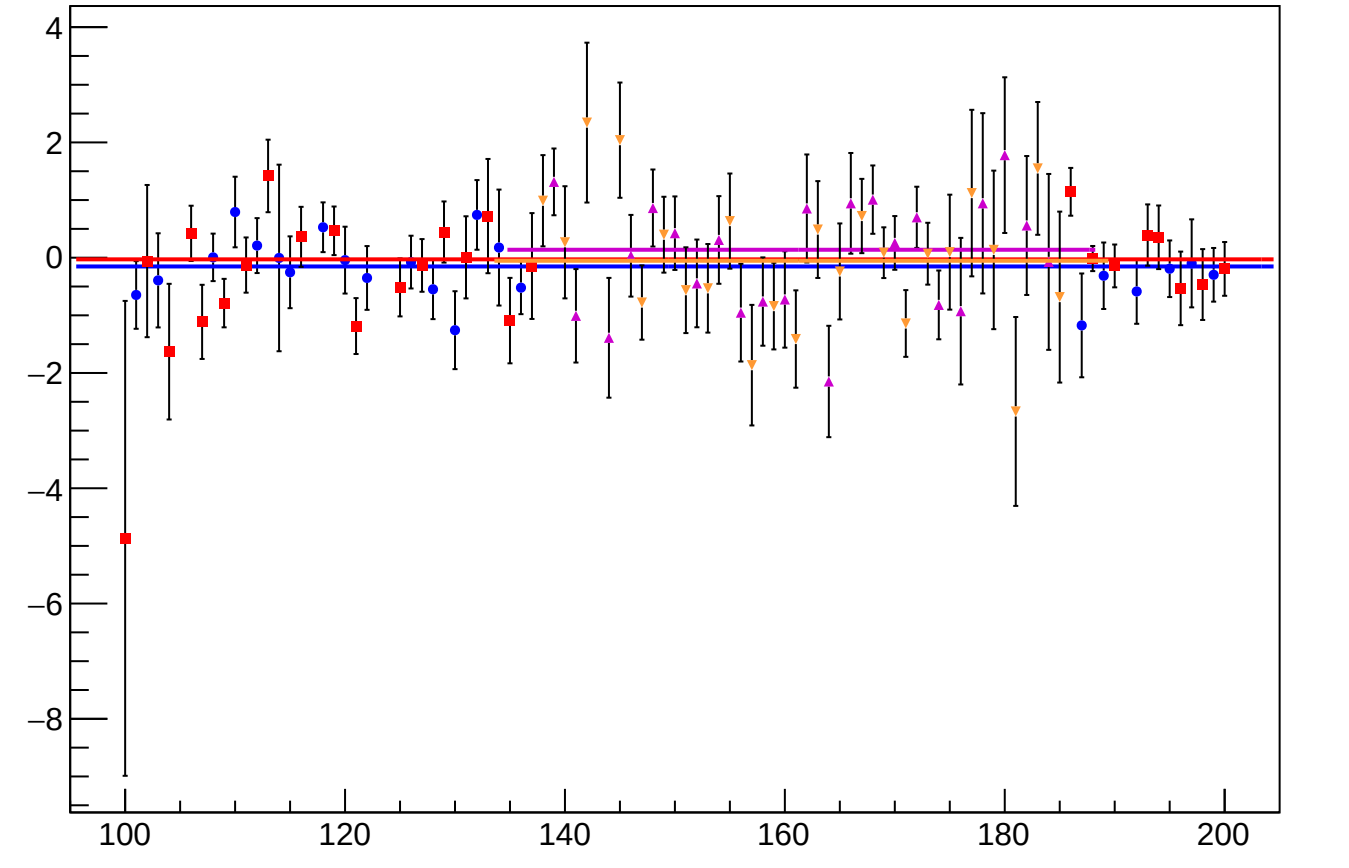
Right Out: 0.000+/-0.000 χ^2/NDF: 4710176.3/25

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5671329.9/45

All: 0.000+/-0.000 χ^2/NDF: 13958362.9/94

- sign 0.000+/-0.000 χ^2/NDF: 8227730.3/48



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

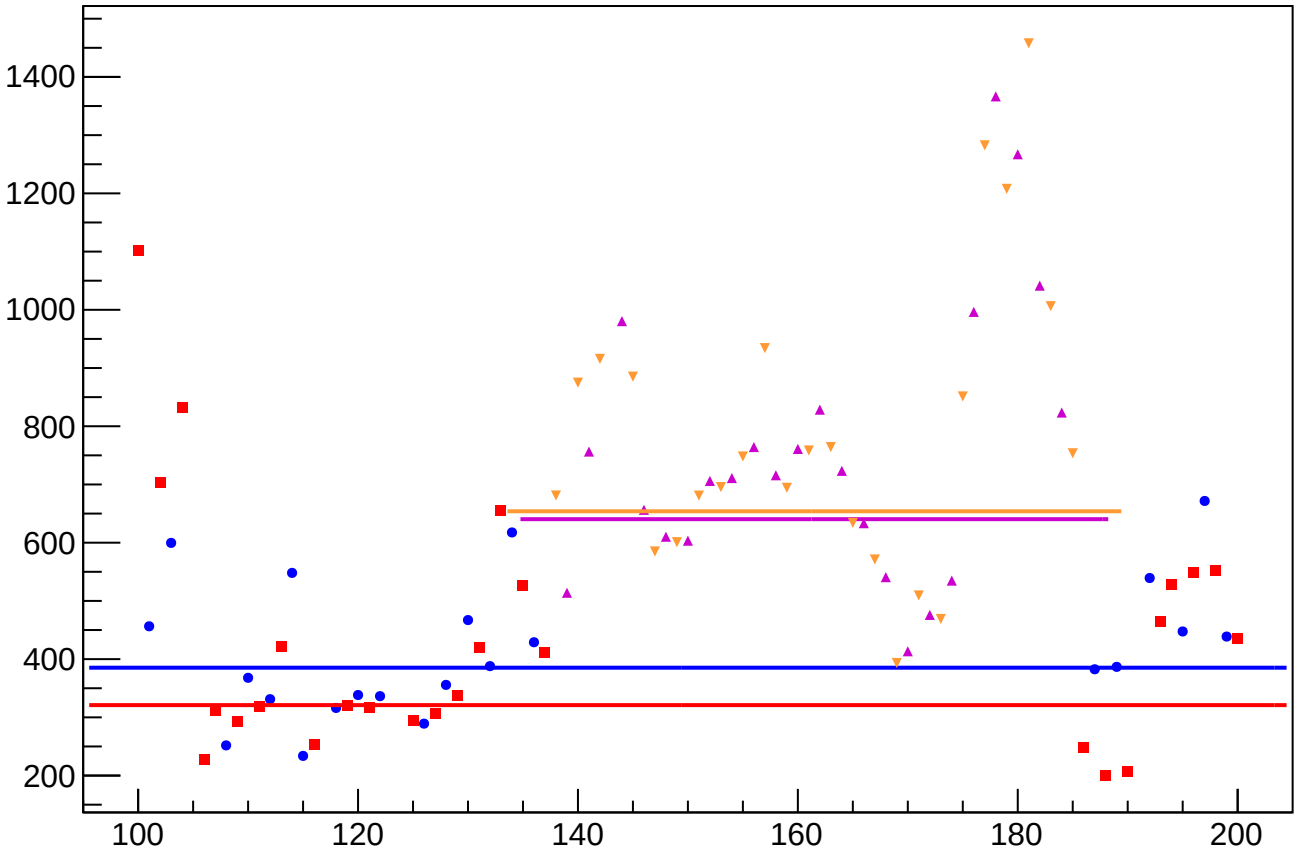
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.040+/-0.063 χ^2/NDF: 115.2/94

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

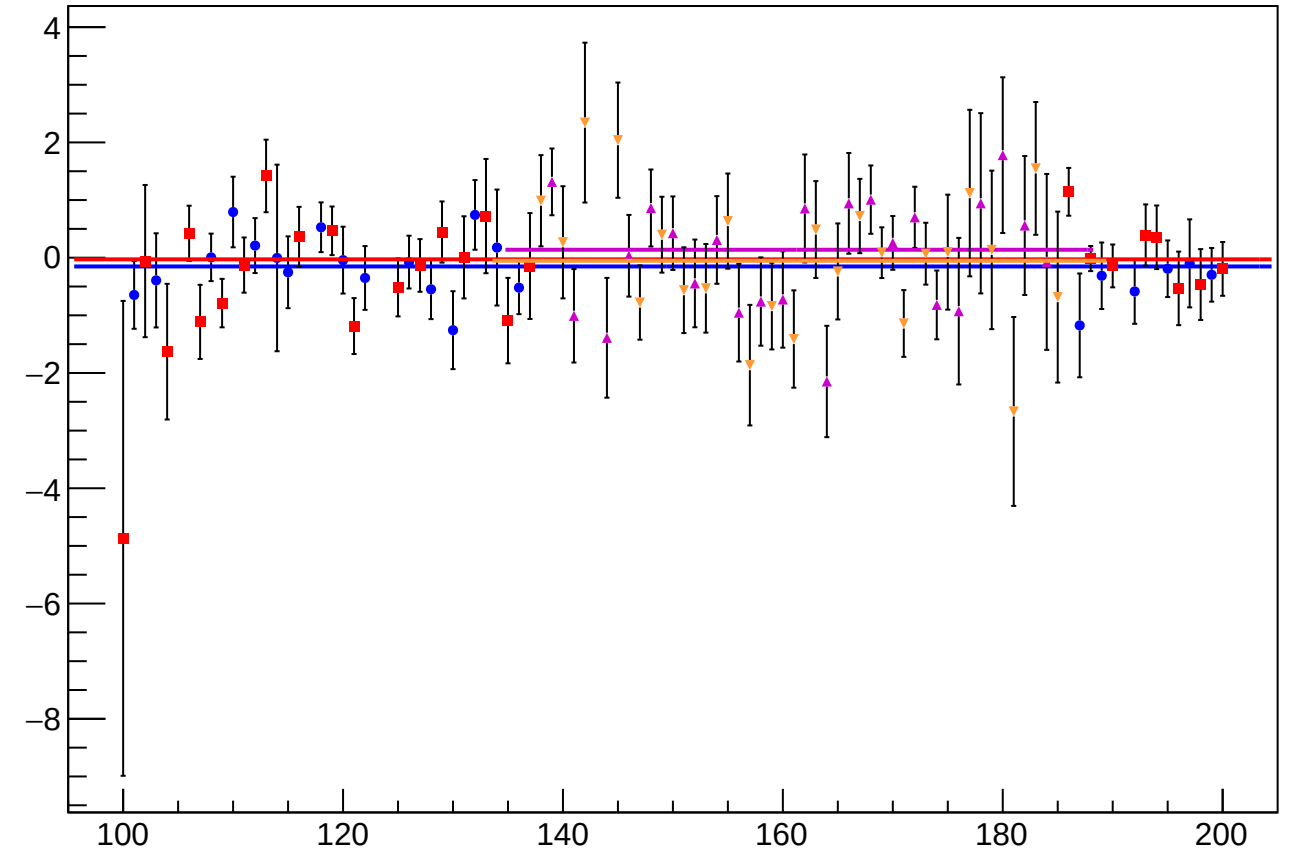
Right Out: 321.015+/-0.070 χ^2/NDF: 3190989.2/25

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.386+/-0.068 χ^2/NDF: 8048794.6/45

All: 440.845+/-0.045 χ^2/NDF: 20398905.4/94

- sign 410.455+/-0.059 χ^2/NDF: 11732394.7/48



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

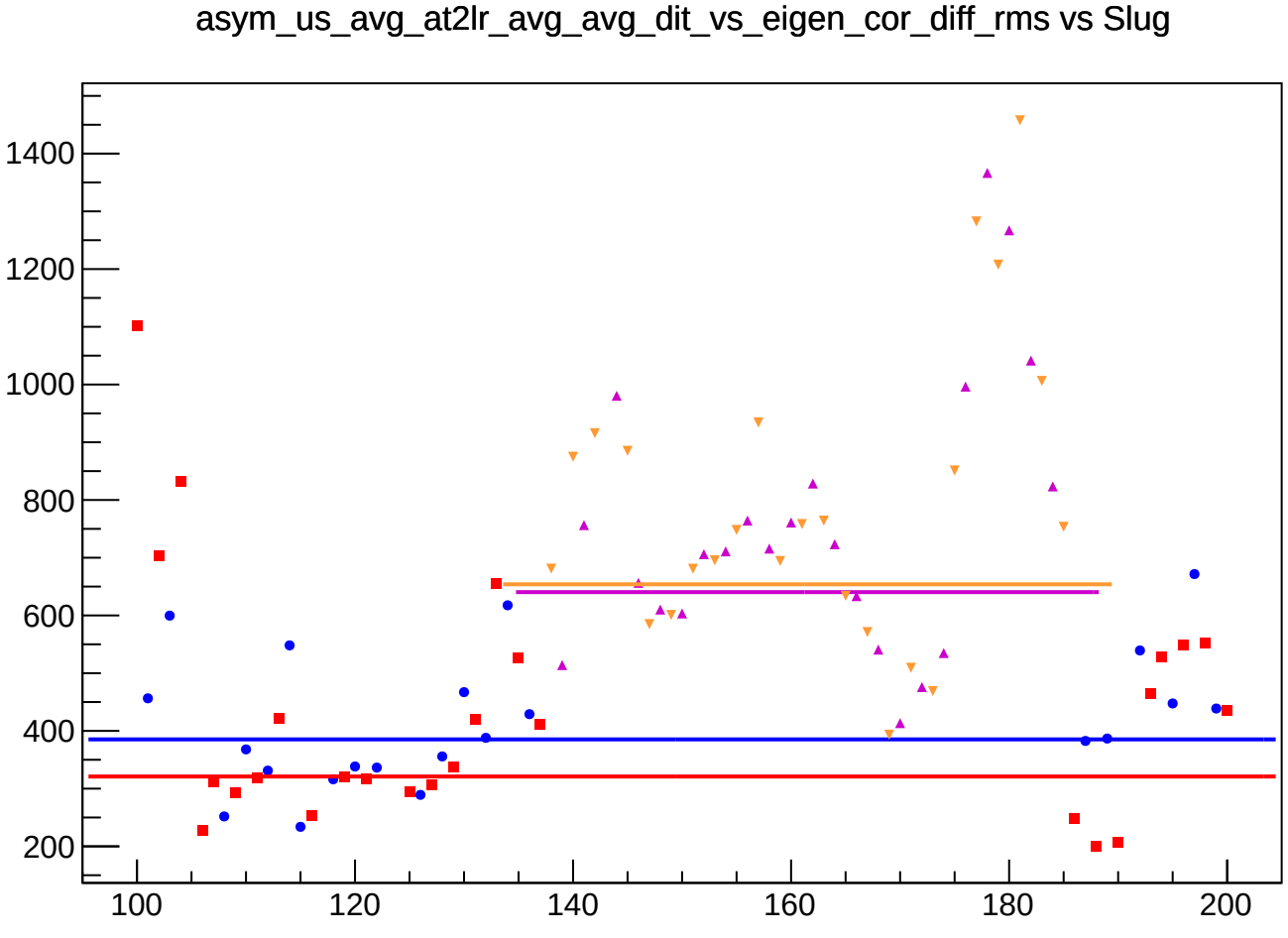
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

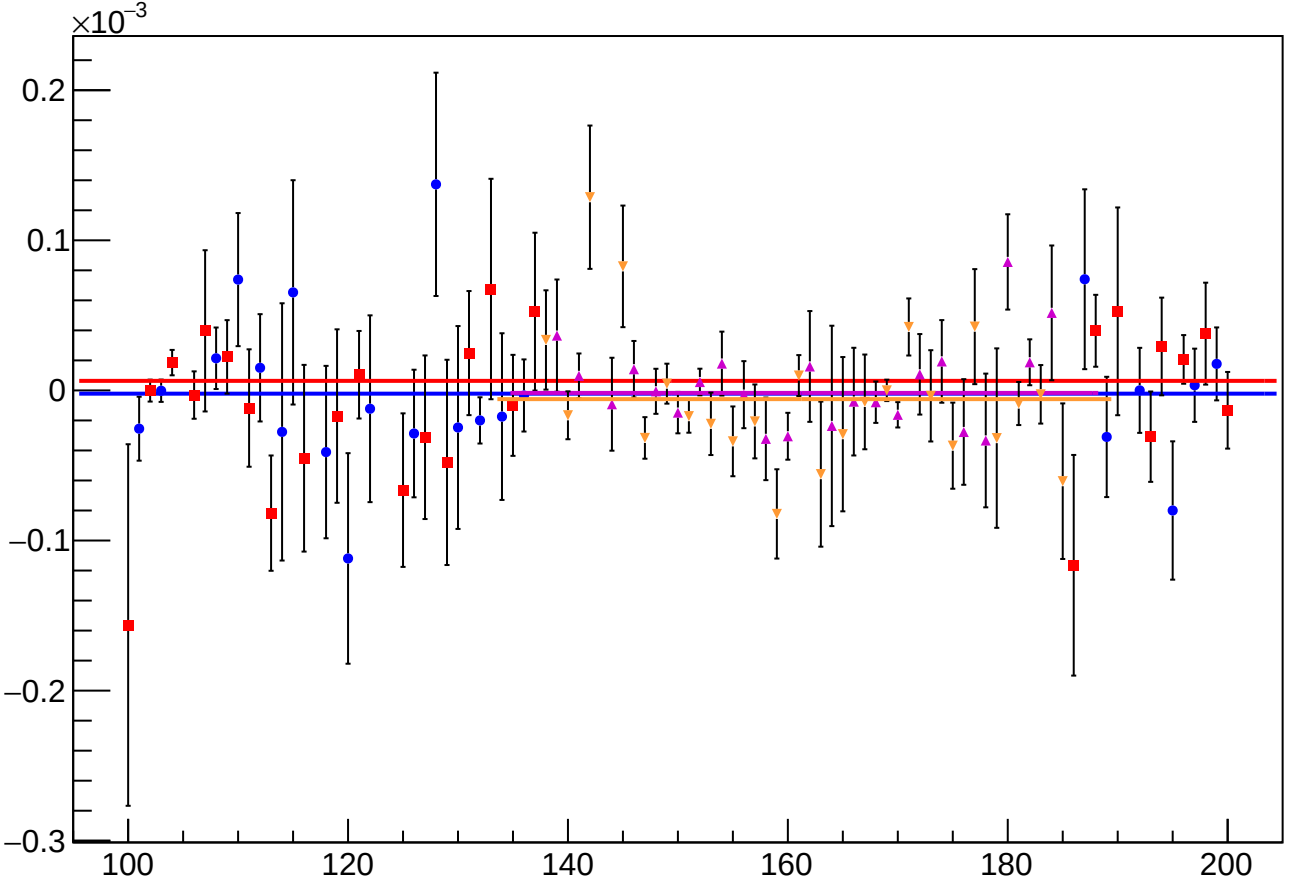
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.040+/-0.063 χ^2/NDF: 115.2/94

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48


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
200
Right In: 385.284+/-0.085 χ²/NDF: 1362299.9/21
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 321.015+/-0.070 χ²/NDF: 3190989.2/25
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 481.386+/-0.068 χ²/NDF: 8048794.6/45
All: 440.845+/-0.045 χ²/NDF: 20398905.4/94
- sign 410.455+/-0.059 χ²/NDF: 11732394.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

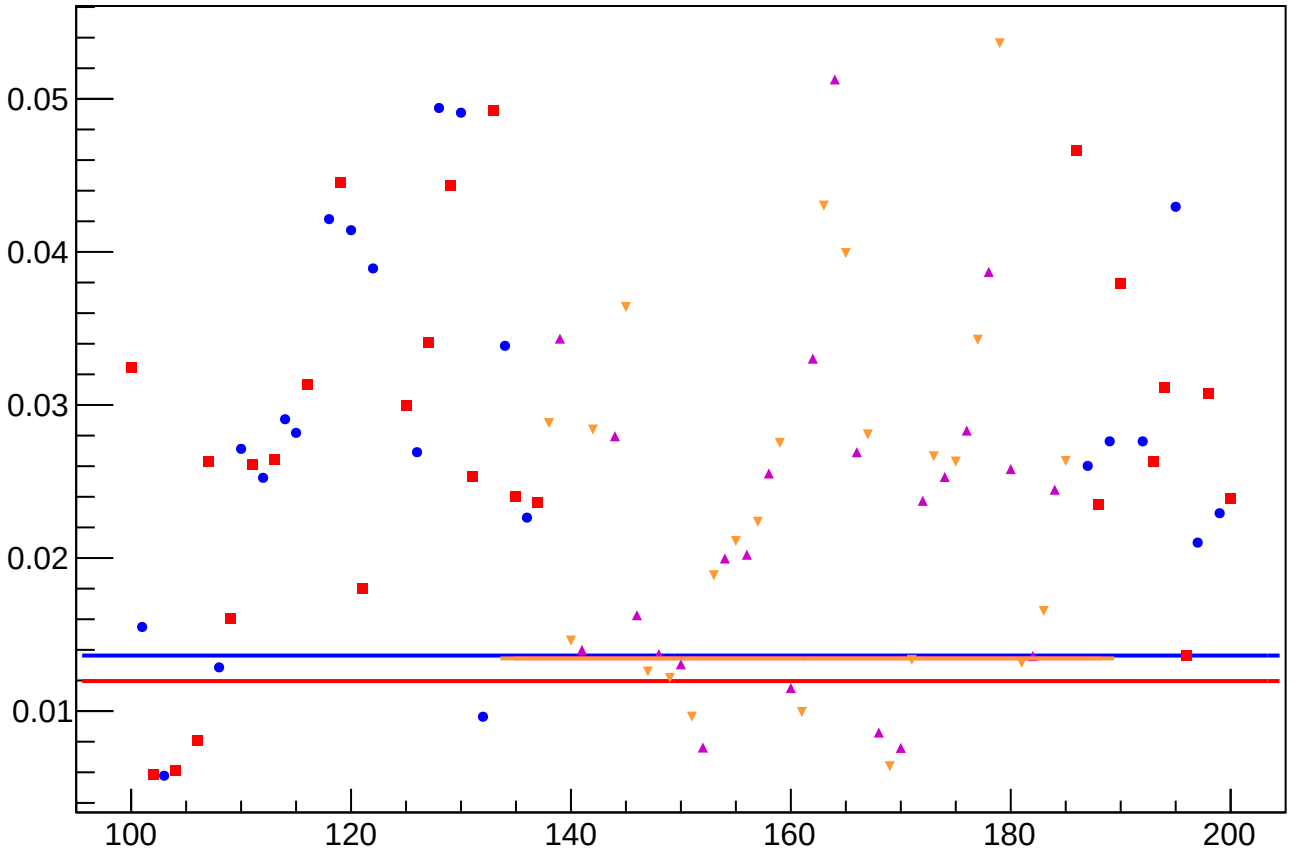
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/25

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/45

All: -0.000+/-0.000 χ^2/NDF: 120.4/94

- sign 0.000+/-0.000 χ^2/NDF: 54.3/48



Right In: 0.014+/-0.000 χ^2/NDF: 7921870.4/21

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

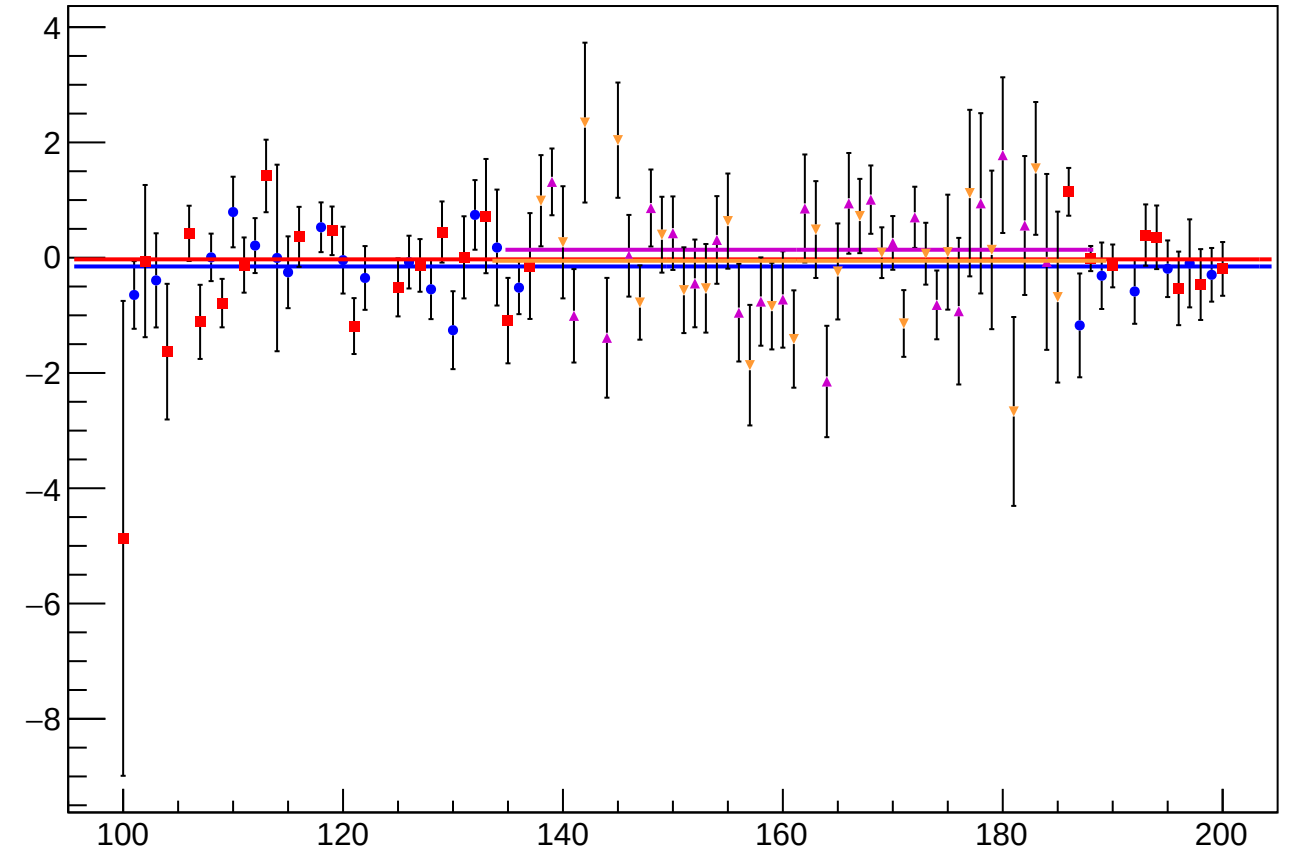
Right Out: 0.012+/-0.000 χ^2/NDF: 9707242.9/25

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 16779805.5/45

All: 0.013+/-0.000 χ^2/NDF: 34232408.0/94

- sign 0.013+/-0.000 χ^2/NDF: 17394711.0/48



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

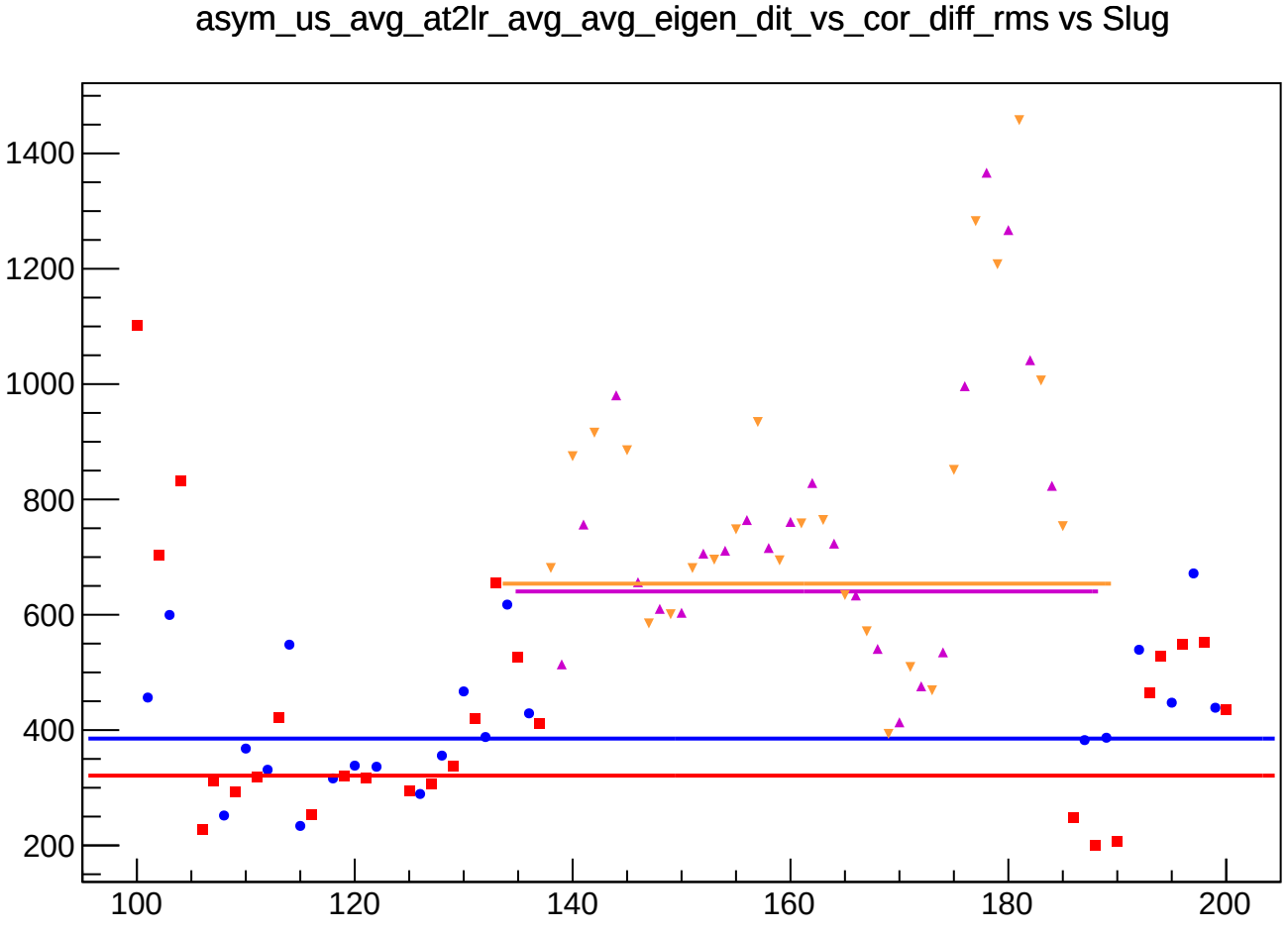
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

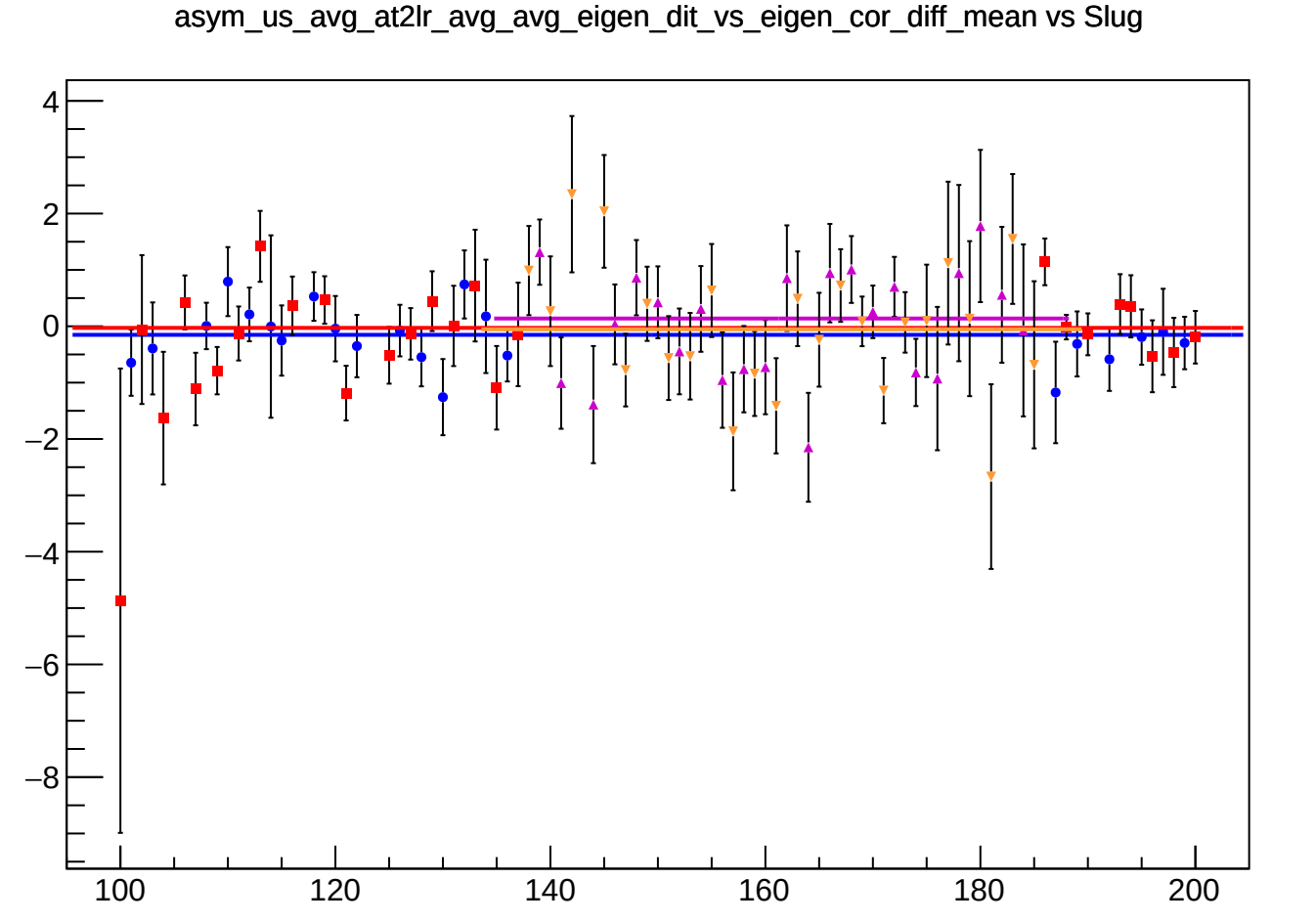
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.040+/-0.063 χ^2/NDF: 115.2/94

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 385.284+/-0.085 χ²/NDF: 1362270.6/21
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 321.009+/-0.070 χ²/NDF: 3191165.3/25
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 481.385+/-0.068 χ²/NDF: 8049001.7/45
All: 440.841+/-0.045 χ²/NDF: 20399856.2/94
- sign 410.449+/-0.059 χ²/NDF: 11733042.4/48



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

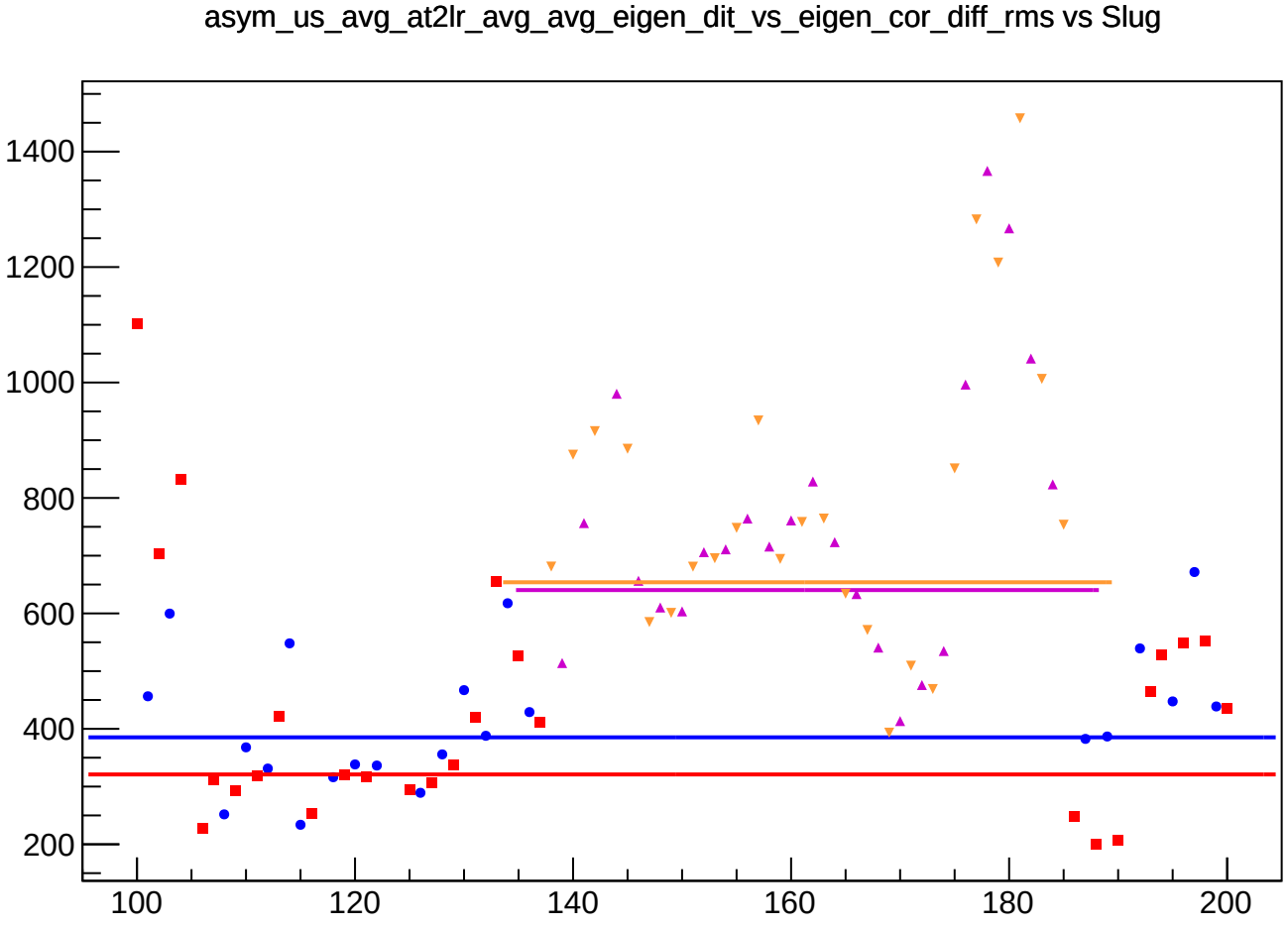
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

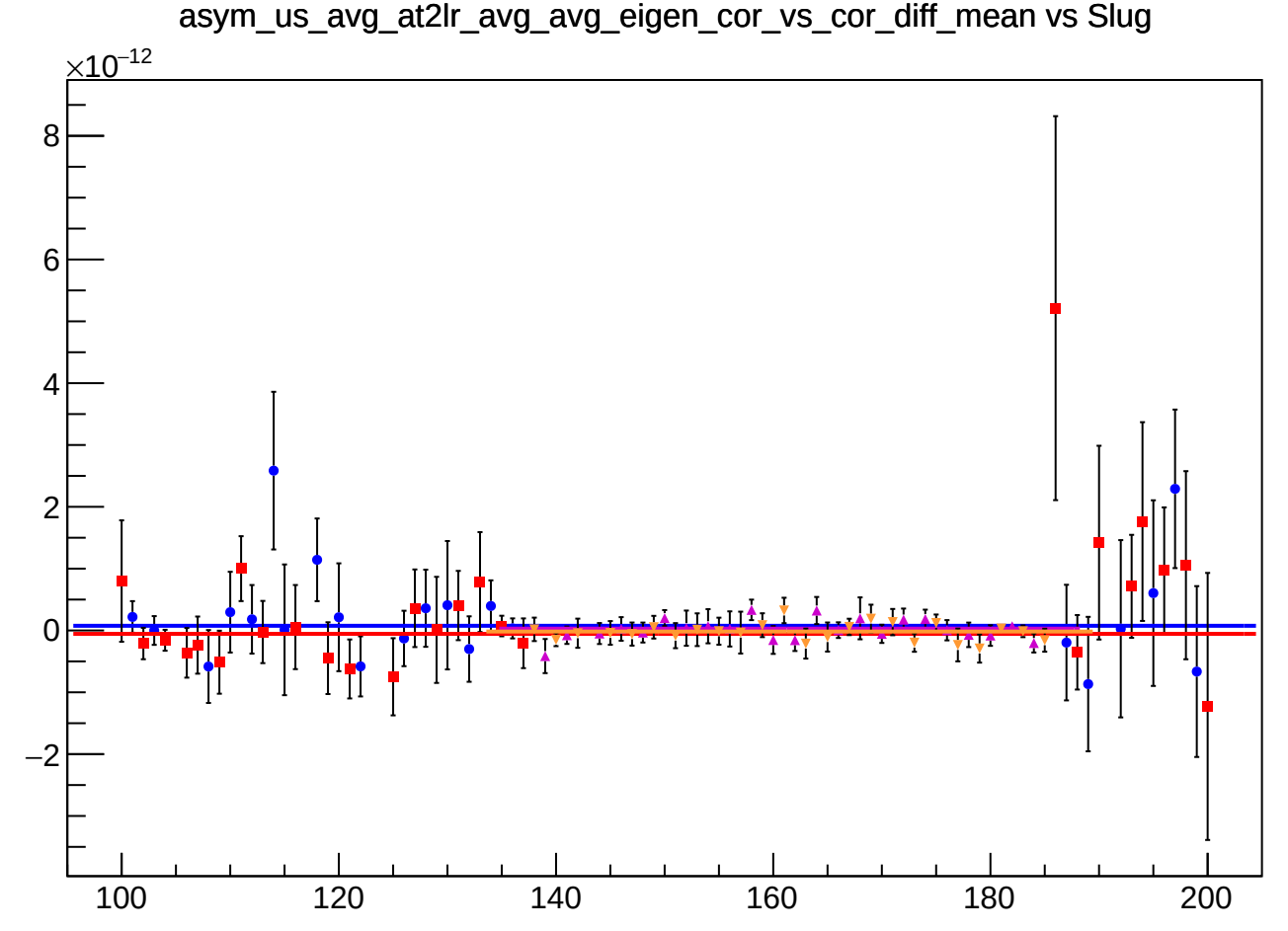
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.040+/-0.063 χ^2/NDF: 115.2/94

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48


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
200
Right In: 385.284+/-0.085 χ²/NDF: 1362270.6/21
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 321.009+/-0.070 χ²/NDF: 3191165.3/25
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 481.385+/-0.068 χ²/NDF: 8049001.7/45
All: 440.841+/-0.045 χ²/NDF: 20399856.2/94
- sign 410.449+/-0.059 χ²/NDF: 11733042.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

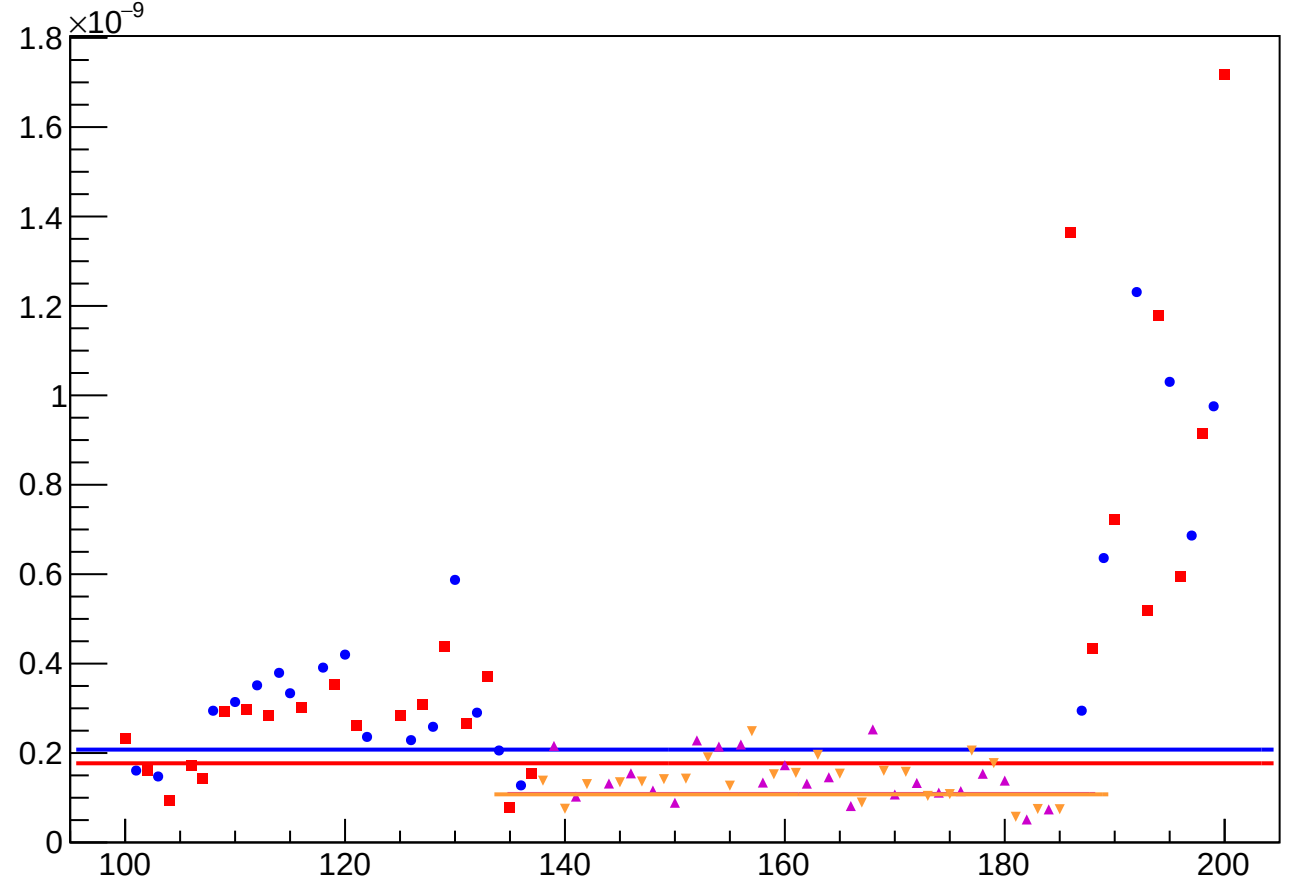
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/45

All: 0.000+/-0.000 χ^2/NDF: 70.2/94

- sign 0.000+/-0.000 χ^2/NDF: 39.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4440390.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6163852.5/25

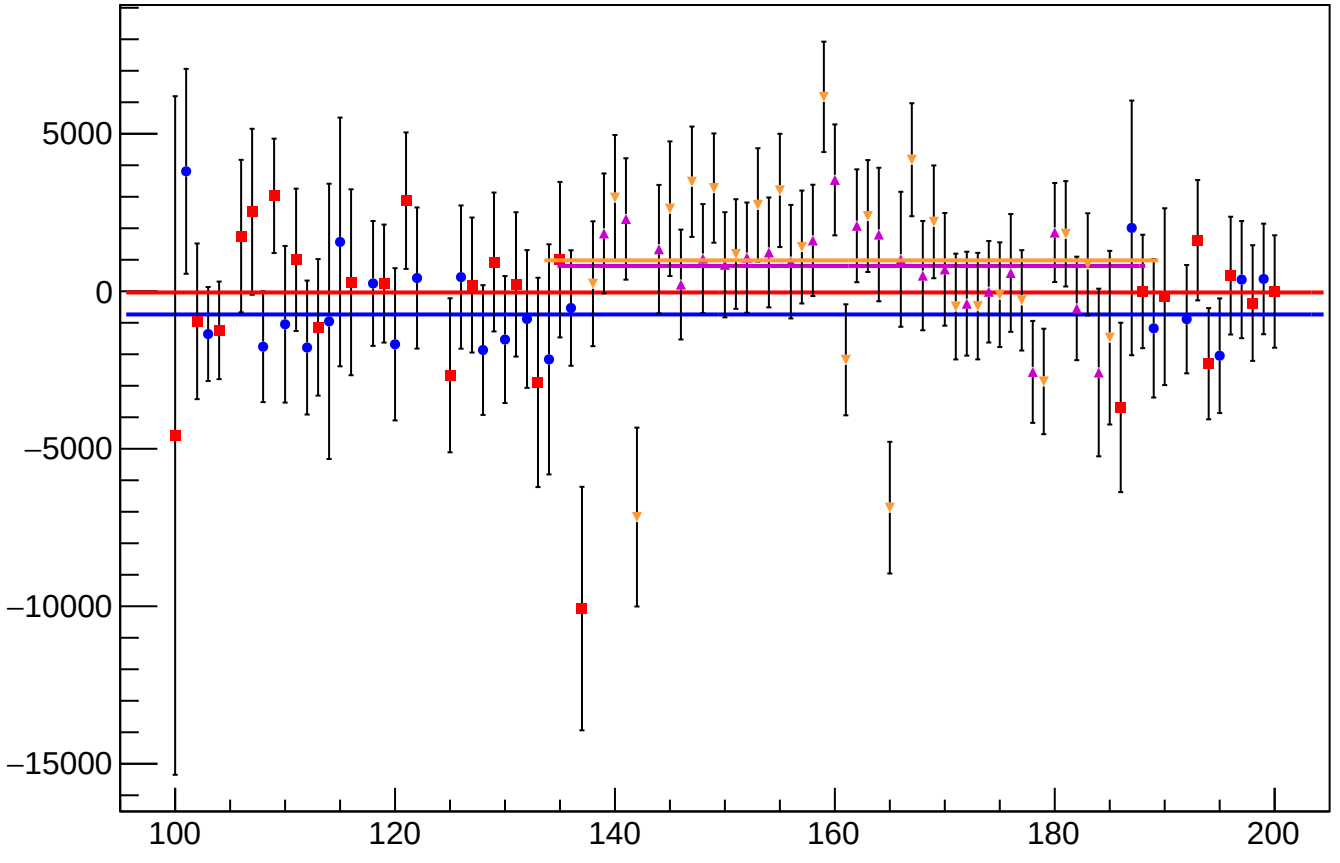
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9885616.7/45

All: 0.000+/-0.000 χ^2/NDF: 21087011.3/94

- sign 0.000+/-0.000 χ^2/NDF: 11200891.3/48

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -735.954+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -37.658+/-430.435 χ^2/NDF: 21.0/25

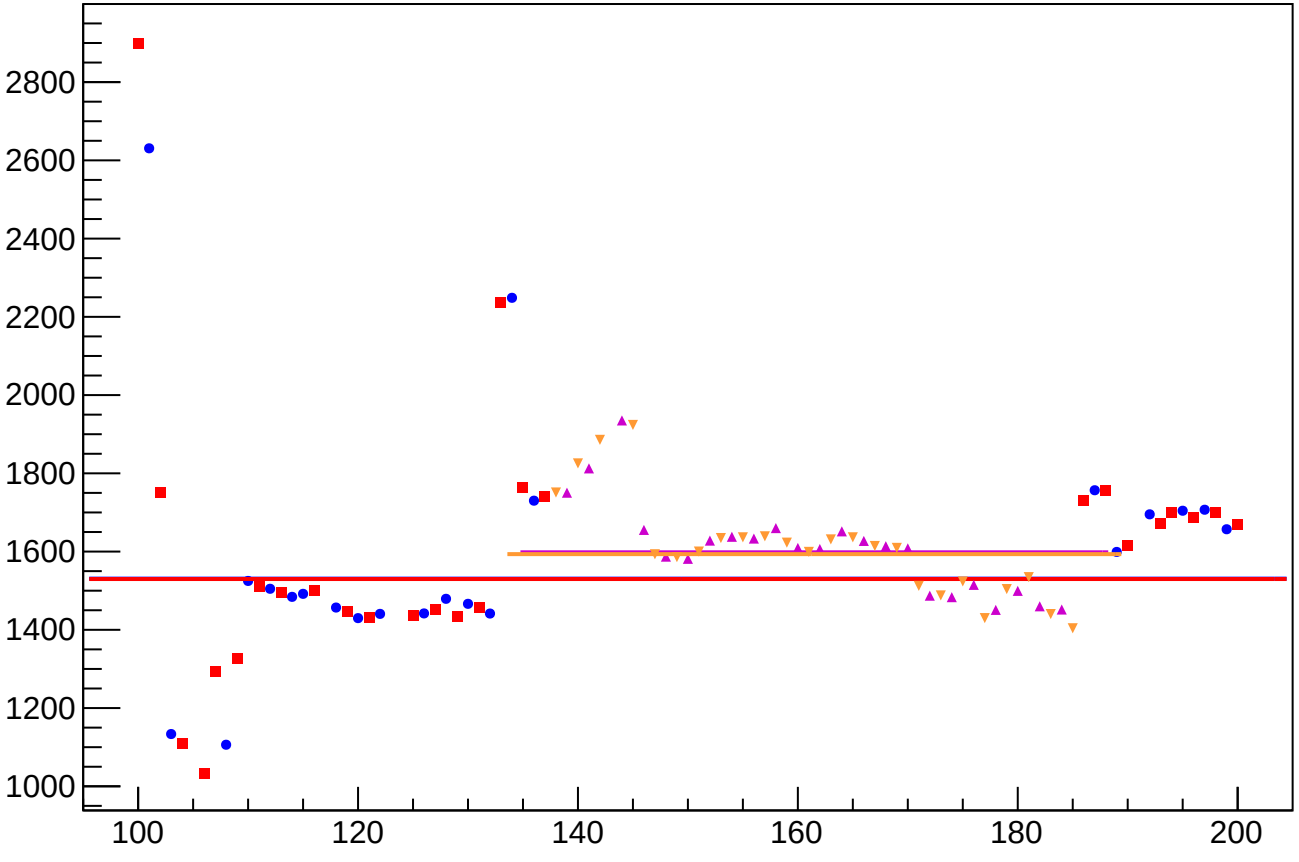
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 301.203+/-288.173 χ^2/NDF: 70.5/45

All: 372.939+/-201.677 χ^2/NDF: 106.2/94

- sign 441.804+/-282.345 χ^2/NDF: 35.6/48

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.799+/-0.324 χ^2/NDF: 680643.9/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

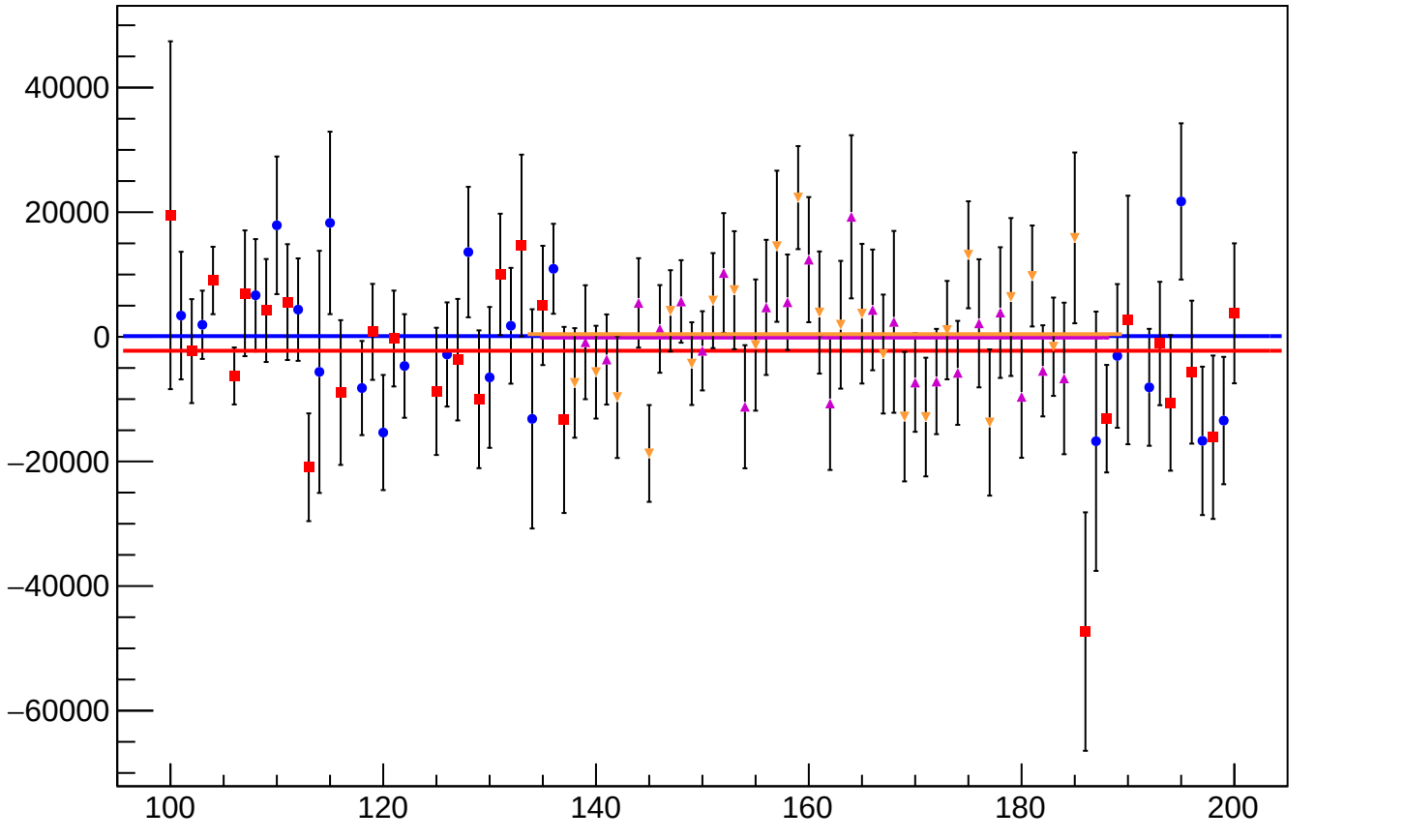
Right Out: 1529.839+/-0.303 χ^2/NDF: 597944.6/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1568.650+/-0.204 χ^2/NDF: 890894.2/45

All: 1568.617+/-0.142 χ^2/NDF: 1686819.2/94

- sign 1568.586+/-0.199 χ^2/NDF: 795925.0/48



Right In: 113.940+/-2047.322 χ^2/NDF: 22.8/21

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

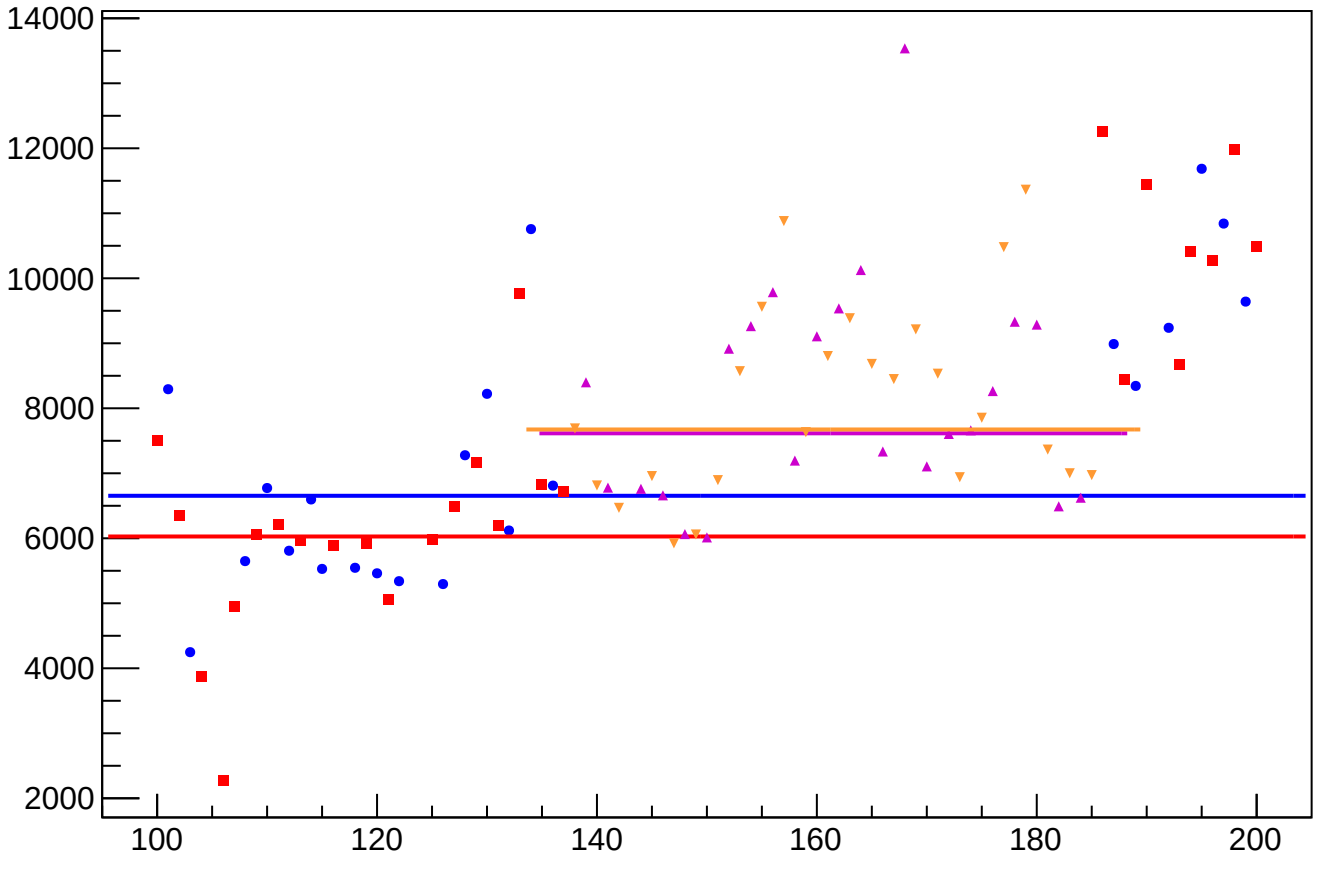
Right Out: -2238.105+/-1808.386 χ^2/NDF: 27.4/25

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 288.652+/-1360.182 χ^2/NDF: 52.2/45

All: -492.844+/-932.538 χ^2/NDF: 94.7/94

- sign -1185.993+/-1280.994 χ^2/NDF: 41.9/48



Right In: 6653.844+/-1.448 χ^2/NDF: 1796028.8/21

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6027.646+/-1.279 χ^2/NDF: 3893413.5/25

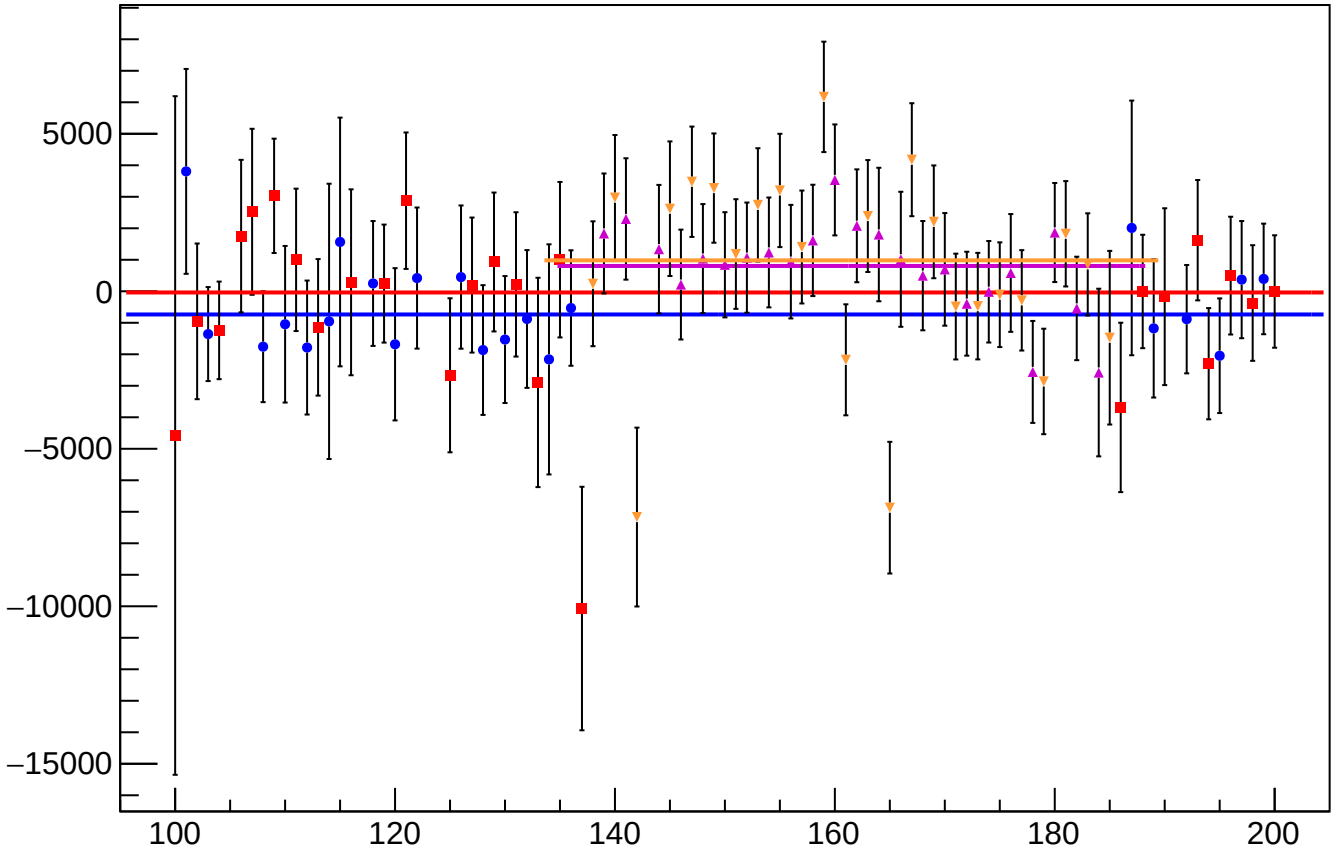
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7223.748+/-0.962 χ^2/NDF: 3150171.2/45

All: 7008.978+/-0.659 χ^2/NDF: 9129915.4/94

- sign 6818.487+/-0.906 χ^2/NDF: 5885654.1/48

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -736.027+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -37.728+/-430.435 χ^2/NDF: 21.0/25

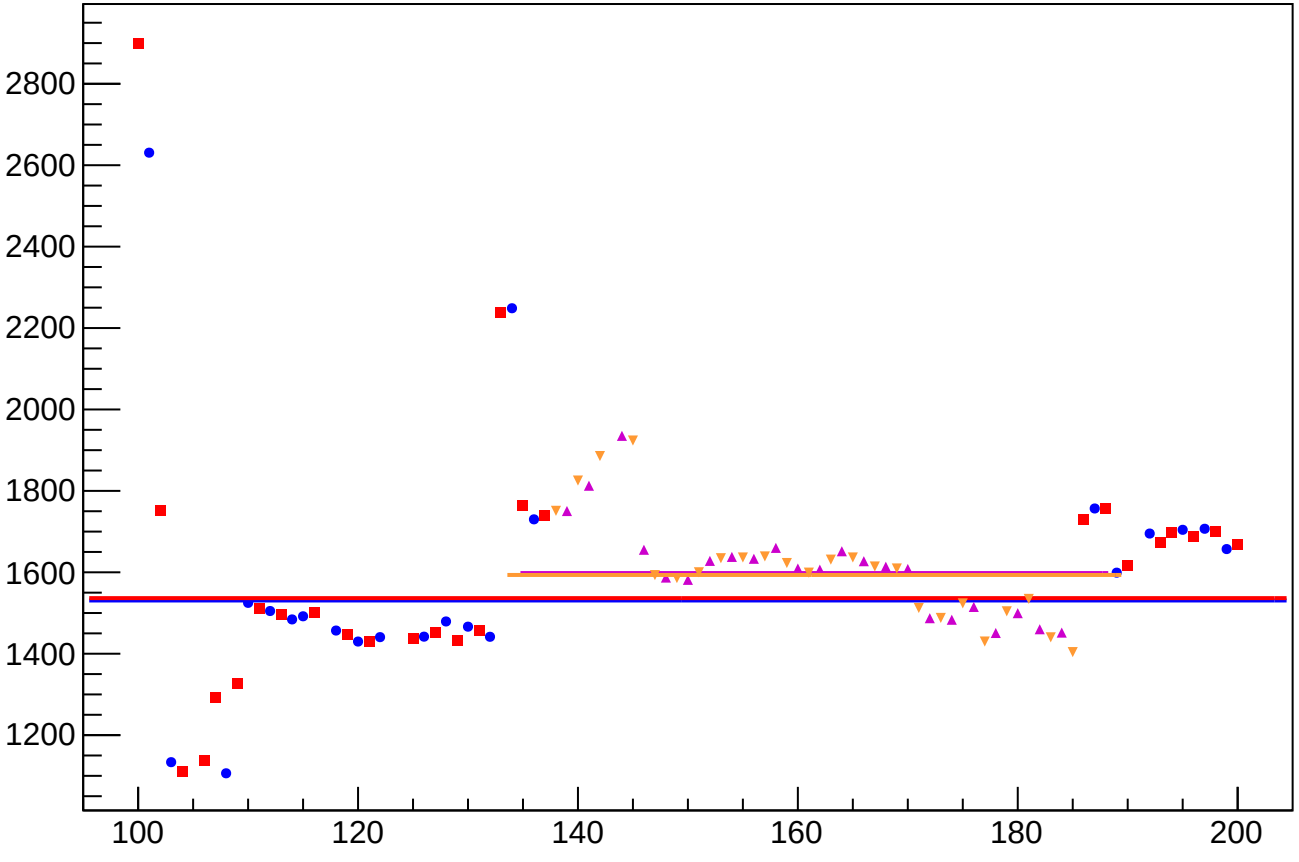
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 301.225+/-288.173 χ^2/NDF: 70.5/45

All: 372.899+/-201.677 χ^2/NDF: 106.2/94

- sign 441.703+/-282.345 χ^2/NDF: 35.6/48

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

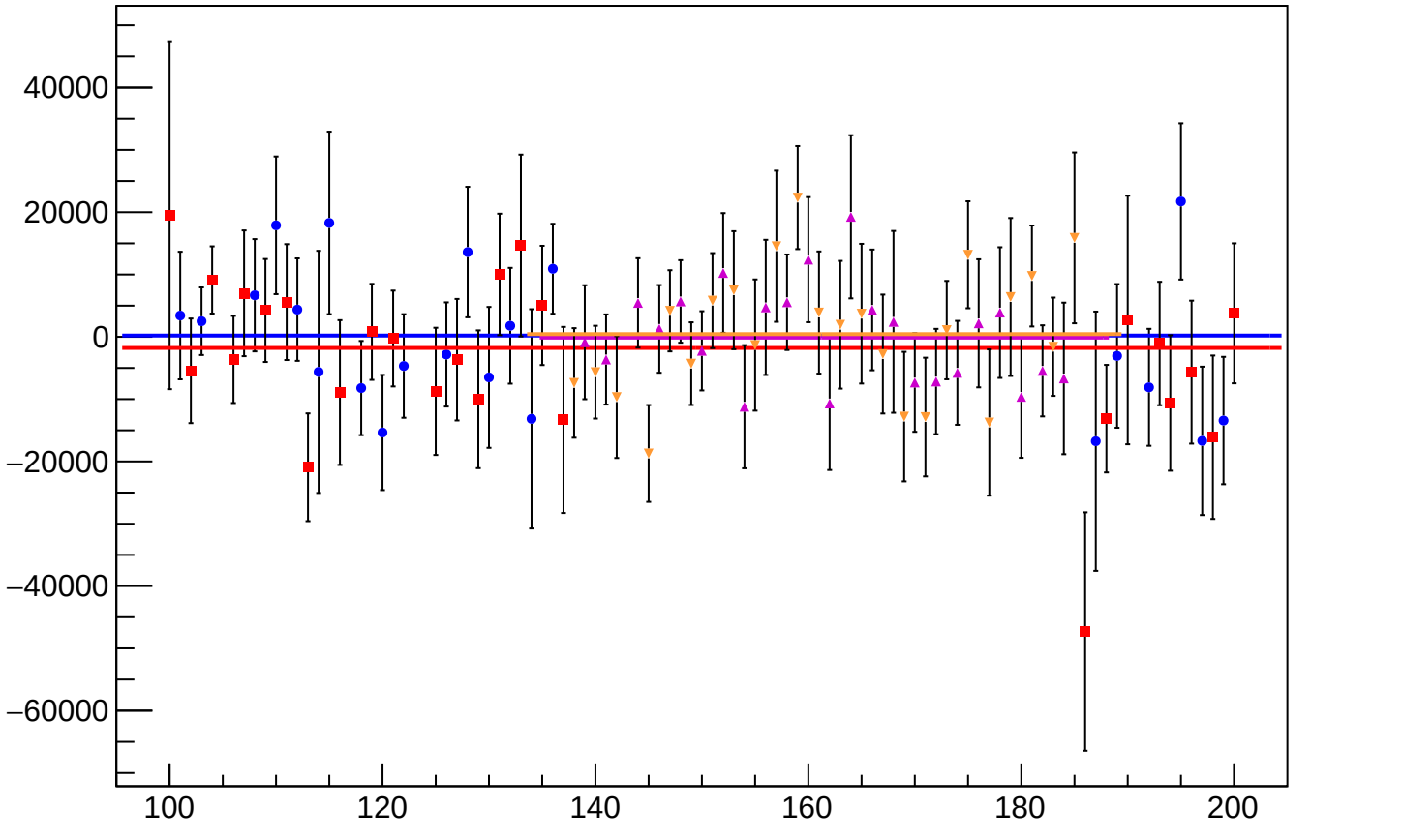
Right Out: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1568.650+/-0.204 χ^2/NDF: 890894.6/45

All: 1570.149+/-0.143 χ^2/NDF: 1629733.2/94

- sign 1571.587+/-0.200 χ^2/NDF: 738732.6/48



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: -1786.635+/-1895.115 χ^2/NDF: 26.8/25

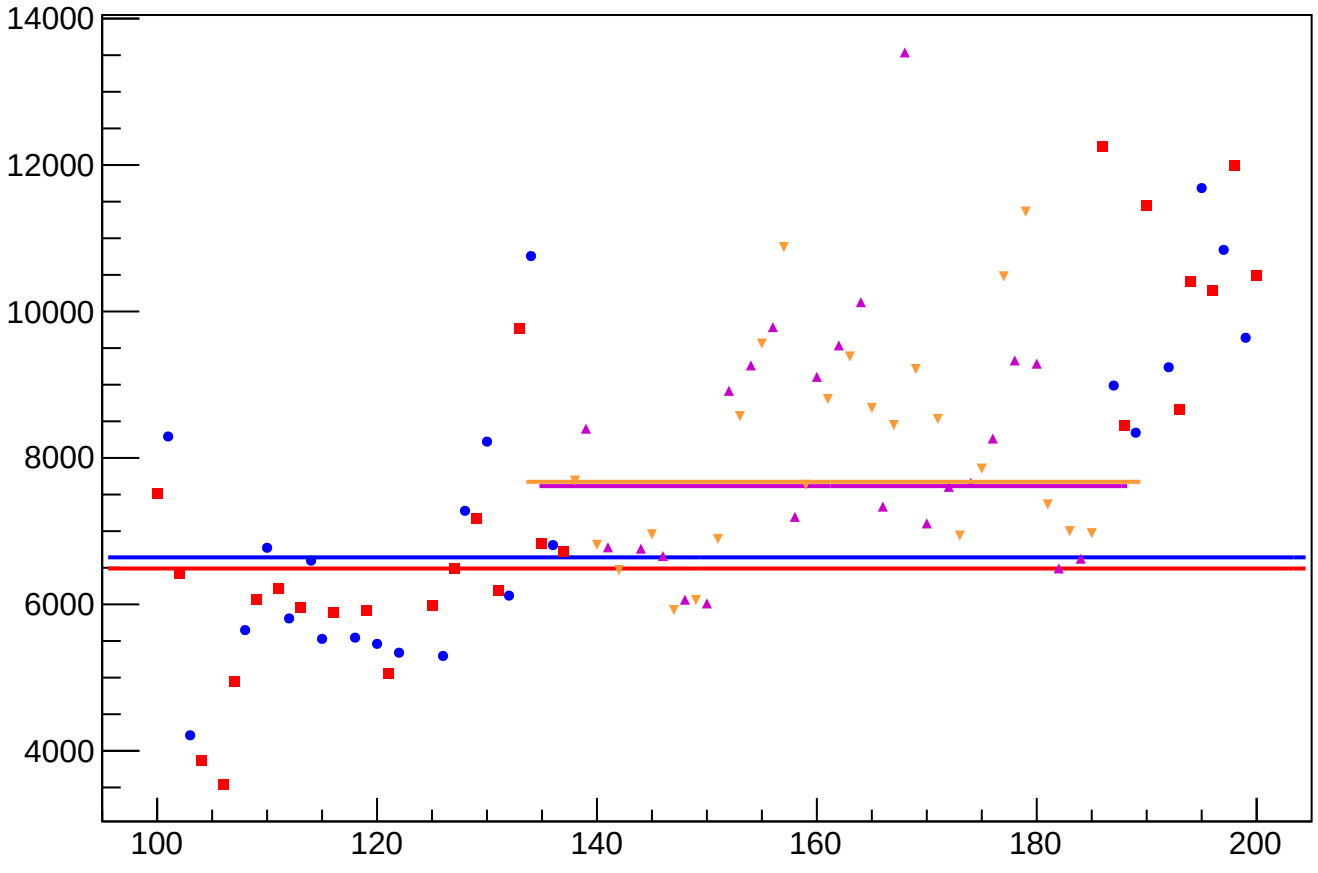
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 326.566+/-1359.368 χ^2/NDF: 52.2/45

All: -319.718+/-943.557 χ^2/NDF: 93.8/94

- sign -920.592+/-1310.742 χ^2/NDF: 41.1/48

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

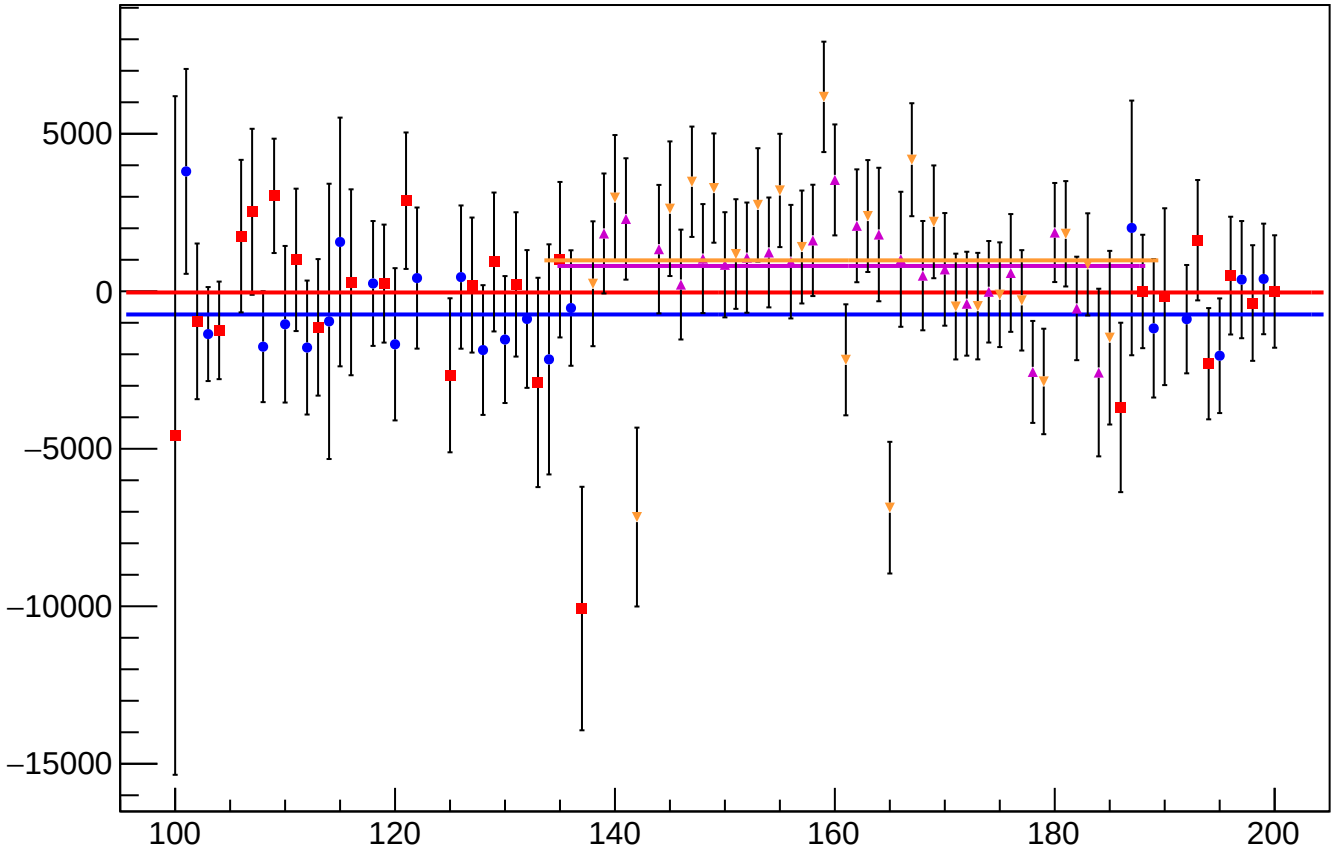
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7217.941+/-0.961 χ^2/NDF: 3176089.4/45

All: 7144.810+/-0.667 χ^2/NDF: 7463772.6/94

- sign 7076.817+/-0.927 χ^2/NDF: 4276512.9/48

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -736.027+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -37.728+/-430.435 χ^2/NDF: 21.0/25

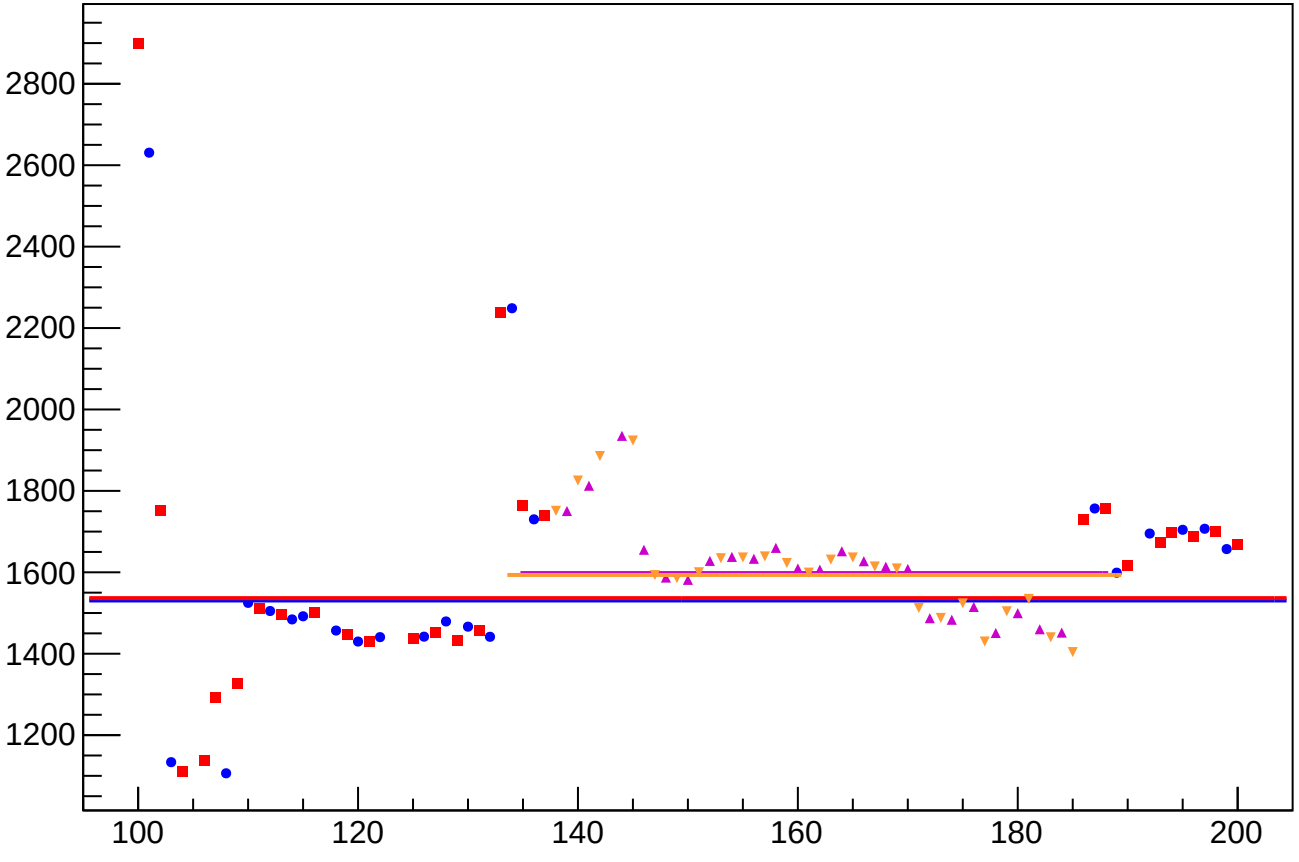
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 301.225+/-288.173 χ^2/NDF: 70.5/45

All: 372.899+/-201.677 χ^2/NDF: 106.2/94

- sign 441.703+/-282.345 χ^2/NDF: 35.6/48

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

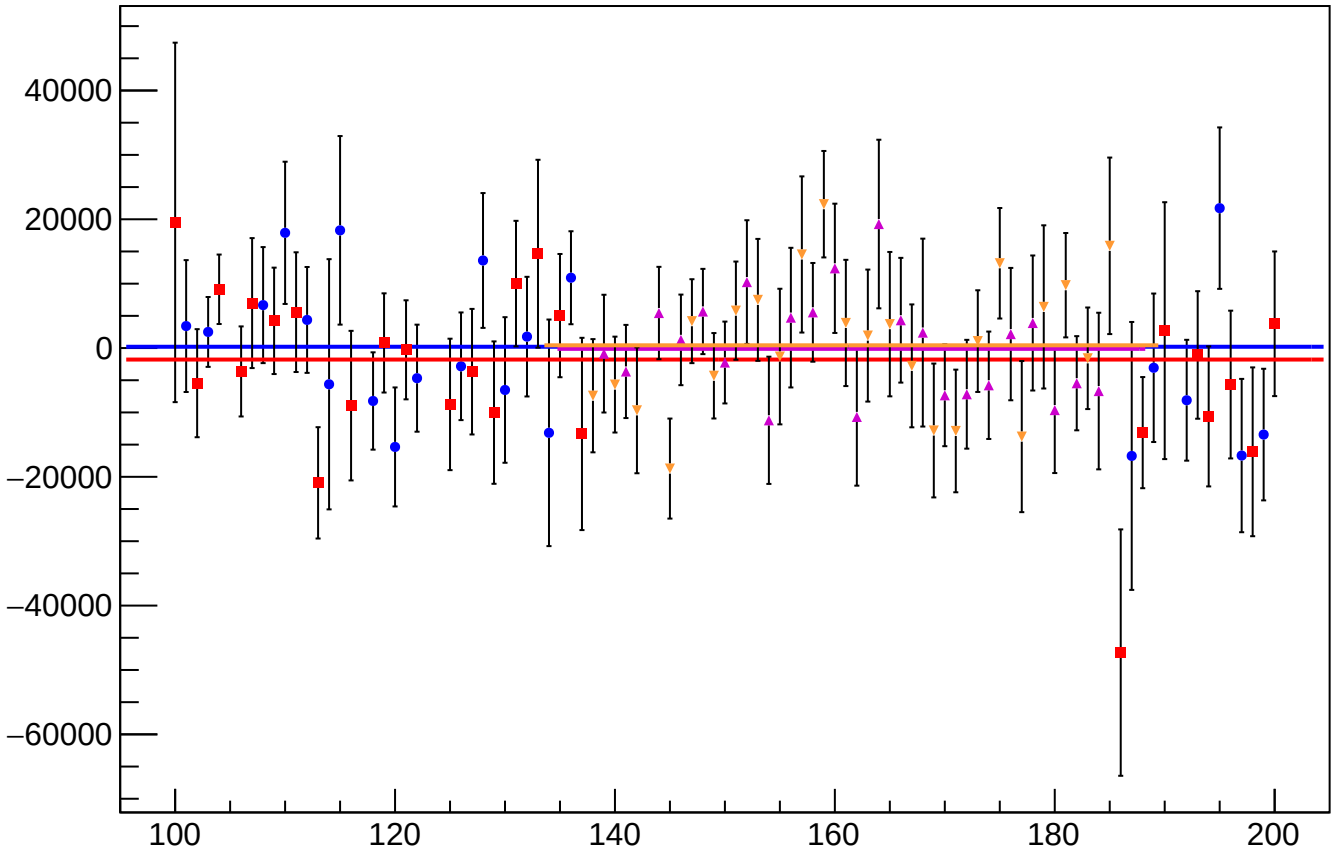
Right Out: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1568.650+/-0.204 χ^2/NDF: 890894.6/45

All: 1570.149+/-0.143 χ^2/NDF: 1629733.2/94

- sign 1571.587+/-0.200 χ^2/NDF: 738732.6/48



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

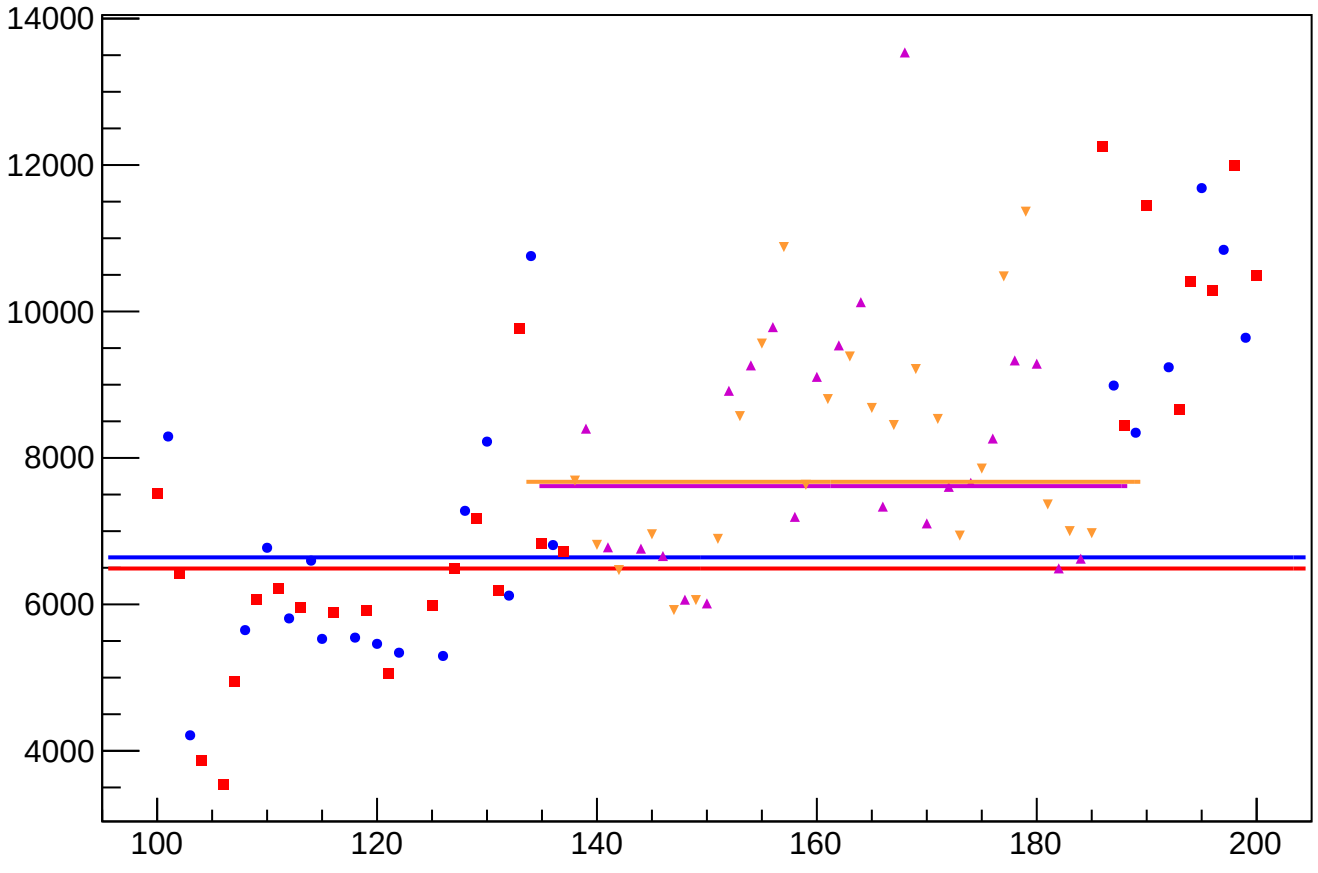
Right Out: -1786.635+/-1895.115 χ^2/NDF: 26.8/25

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 326.566+/-1359.368 χ^2/NDF: 52.2/45

All: -319.718+/-943.557 χ^2/NDF: 93.8/94

- sign -920.592+/-1310.742 χ^2/NDF: 41.1/48



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

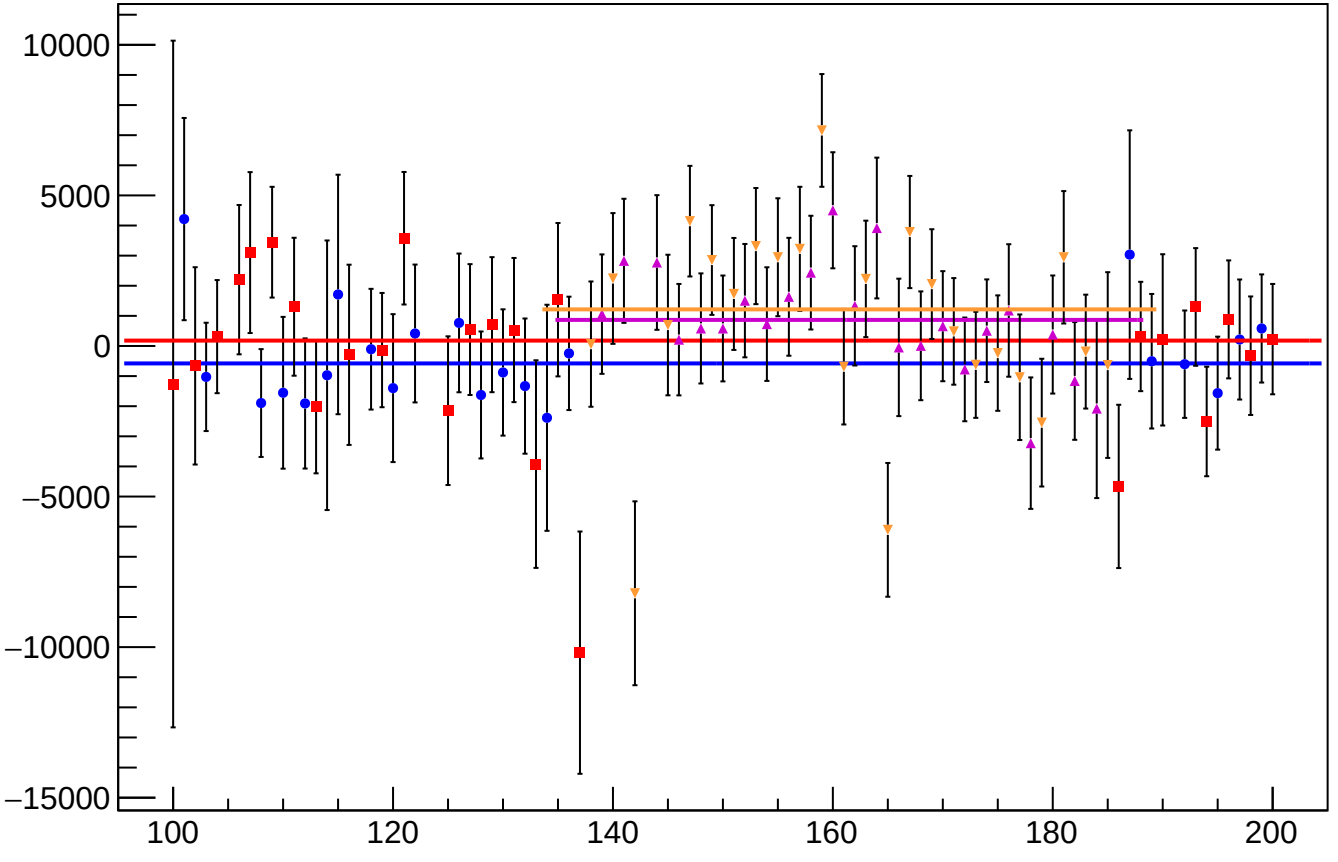
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7217.941+/-0.961 χ^2/NDF: 3176089.4/45

All: 7144.810+/-0.667 χ^2/NDF: 7463772.6/94

- sign 7076.817+/-0.927 χ^2/NDF: 4276512.9/48

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -579.364+/-476.069 χ^2/NDF: 6.5/21

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 178.875+/-448.666 χ^2/NDF: 24.0/25

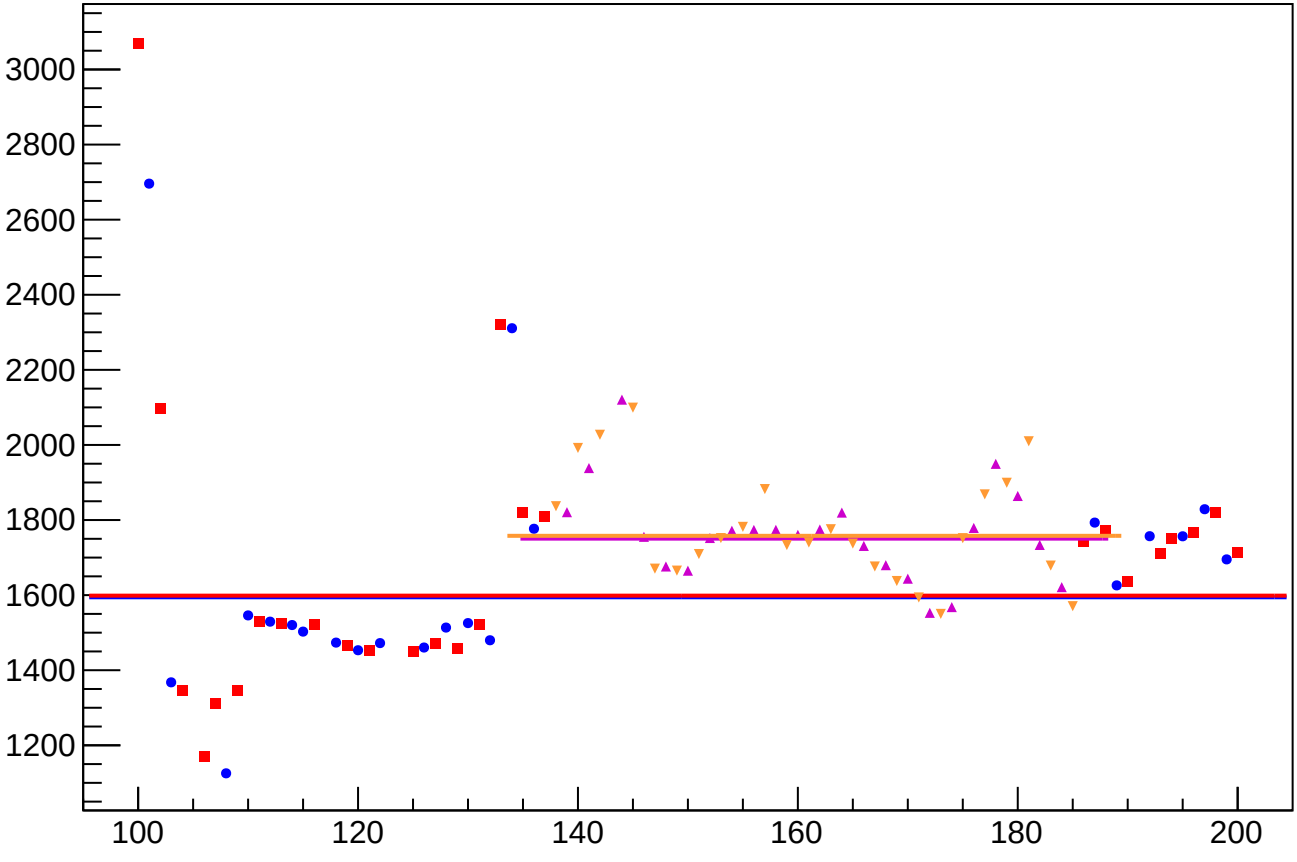
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 451.965+/-310.488 χ^2/NDF: 63.1/45

All: 503.922+/-216.734 χ^2/NDF: 103.5/94

- sign 553.297+/-302.678 χ^2/NDF: 40.4/48

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.2/21

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

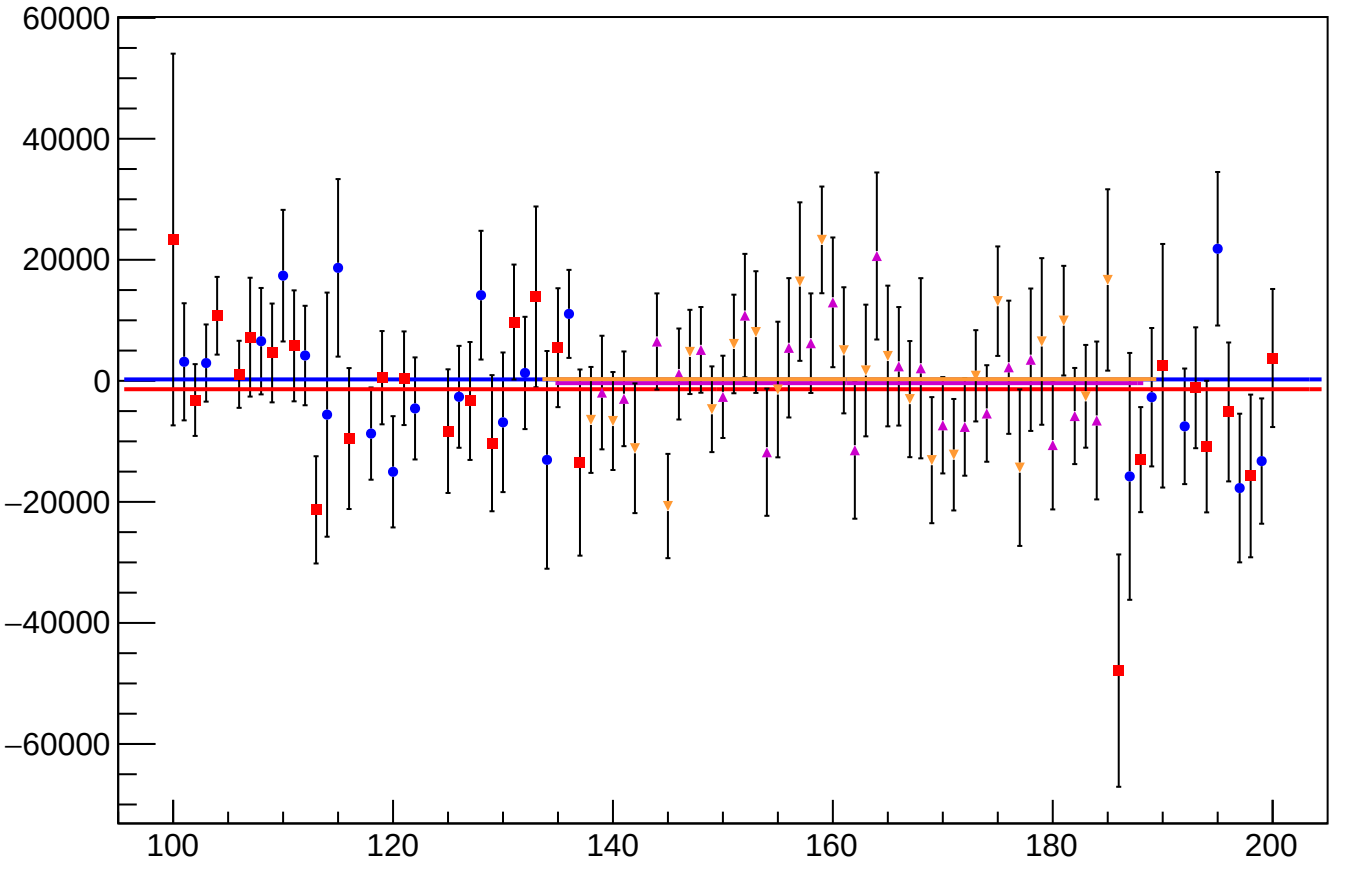
Right Out: 1598.604+/-0.317 χ^2/NDF: 486383.9/25

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1688.339+/-0.220 χ^2/NDF: 936471.7/45

All: 1684.753+/-0.153 χ^2/NDF: 1720158.9/94

- sign 1681.345+/-0.214 χ^2/NDF: 783166.9/48



Right In: 237.775+/-2089.790 χ^2/NDF: 22.7/21

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

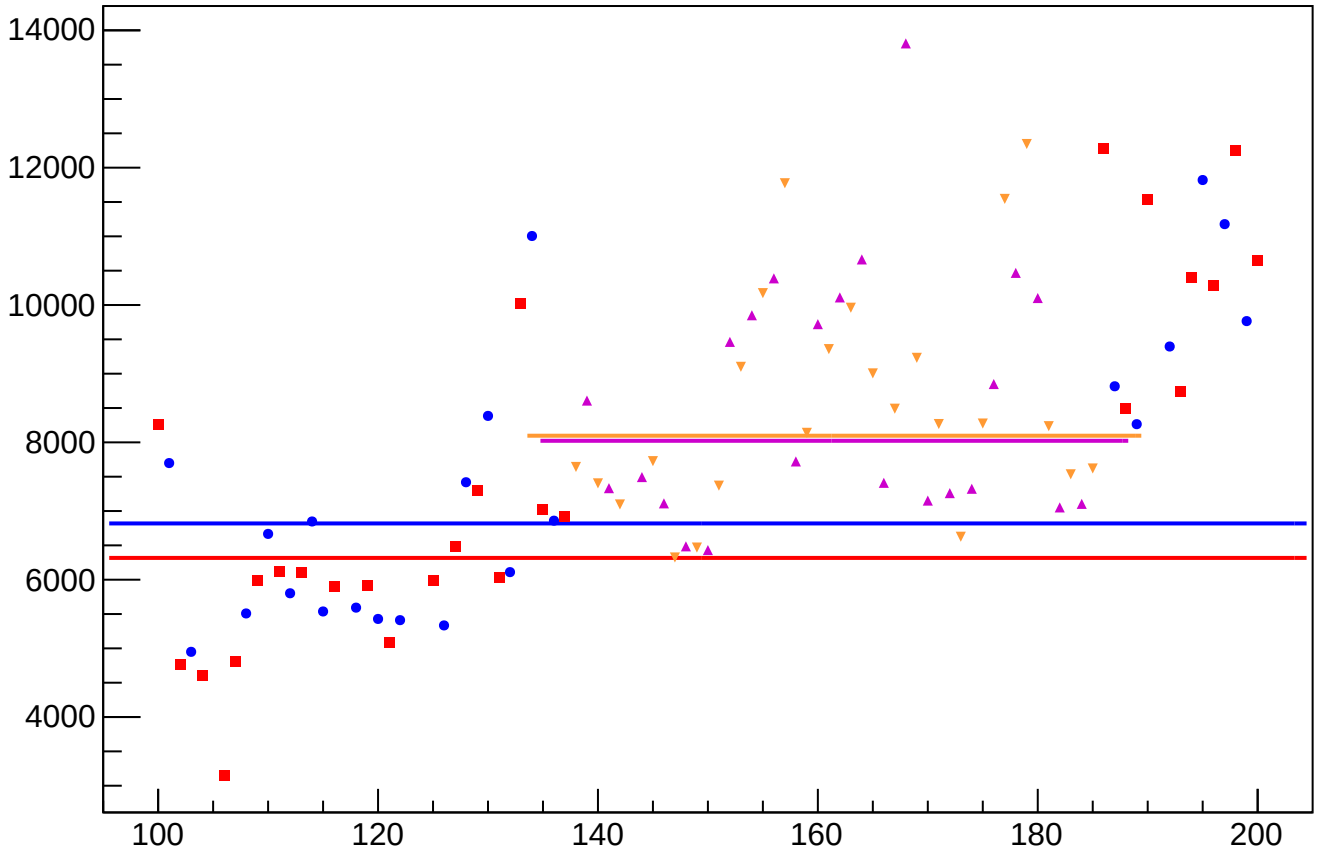
Right Out: -1385.227+/-1846.751 χ^2/NDF: 26.7/25

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 263.341+/-1413.920 χ^2/NDF: 51.3/45

All: -355.319+/-968.161 χ^2/NDF: 92.1/94

- sign -901.443+/-1328.448 χ^2/NDF: 40.4/48



Right In: 6819.260+/-1.478 χ^2/NDF: 1579500.9/21

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

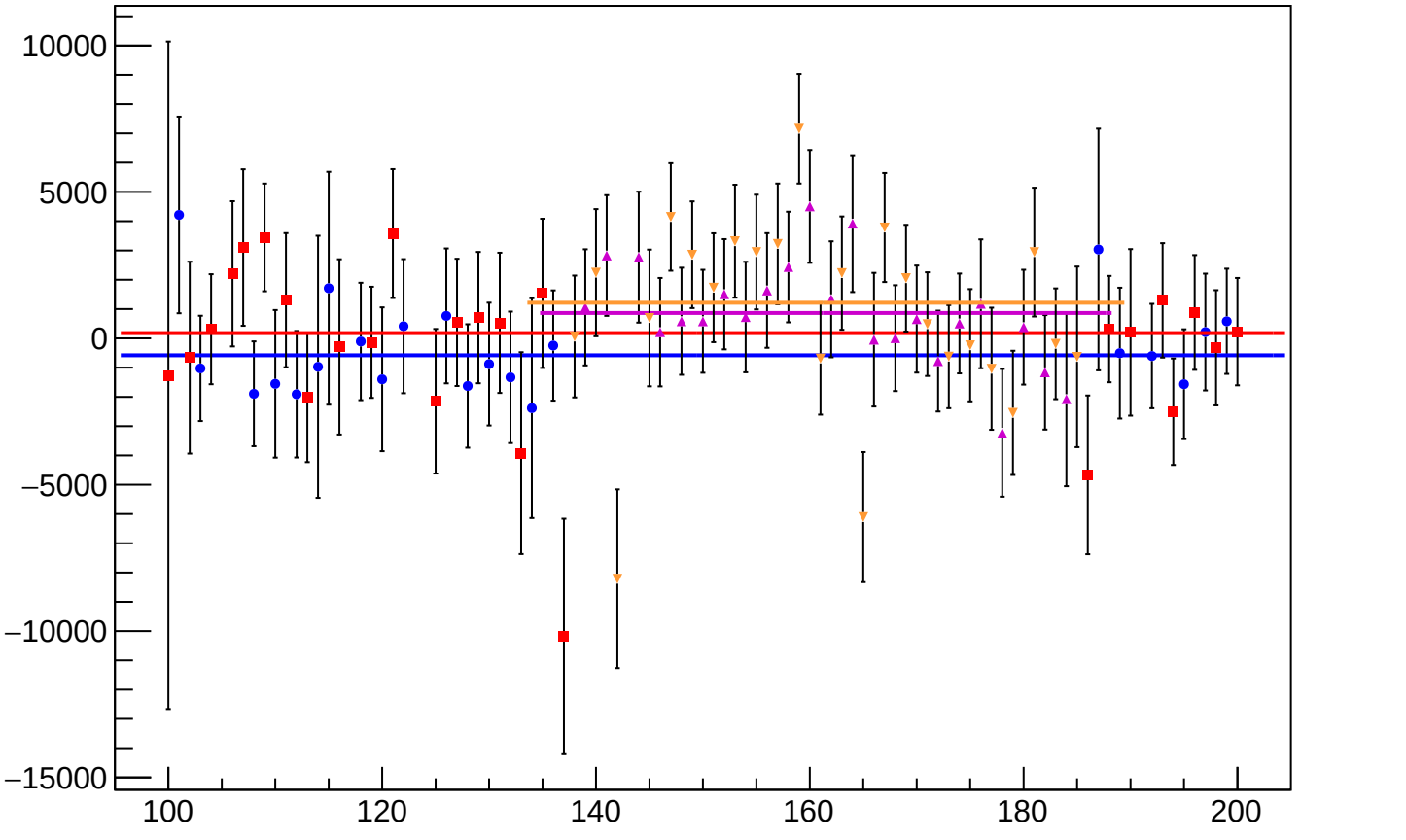
Right Out: 6317.243+/-1.306 χ^2/NDF: 2977730.7/25

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7511.996+/-1.000 χ^2/NDF: 3072589.5/45

All: 7314.530+/-0.685 χ^2/NDF: 8172401.6/94

- sign 7140.216+/-0.939 χ^2/NDF: 5026367.7/48



Right In: -579.365+/-476.069 χ^2/NDF: 6.5/21

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 178.882+/-448.666 χ^2/NDF: 24.0/25

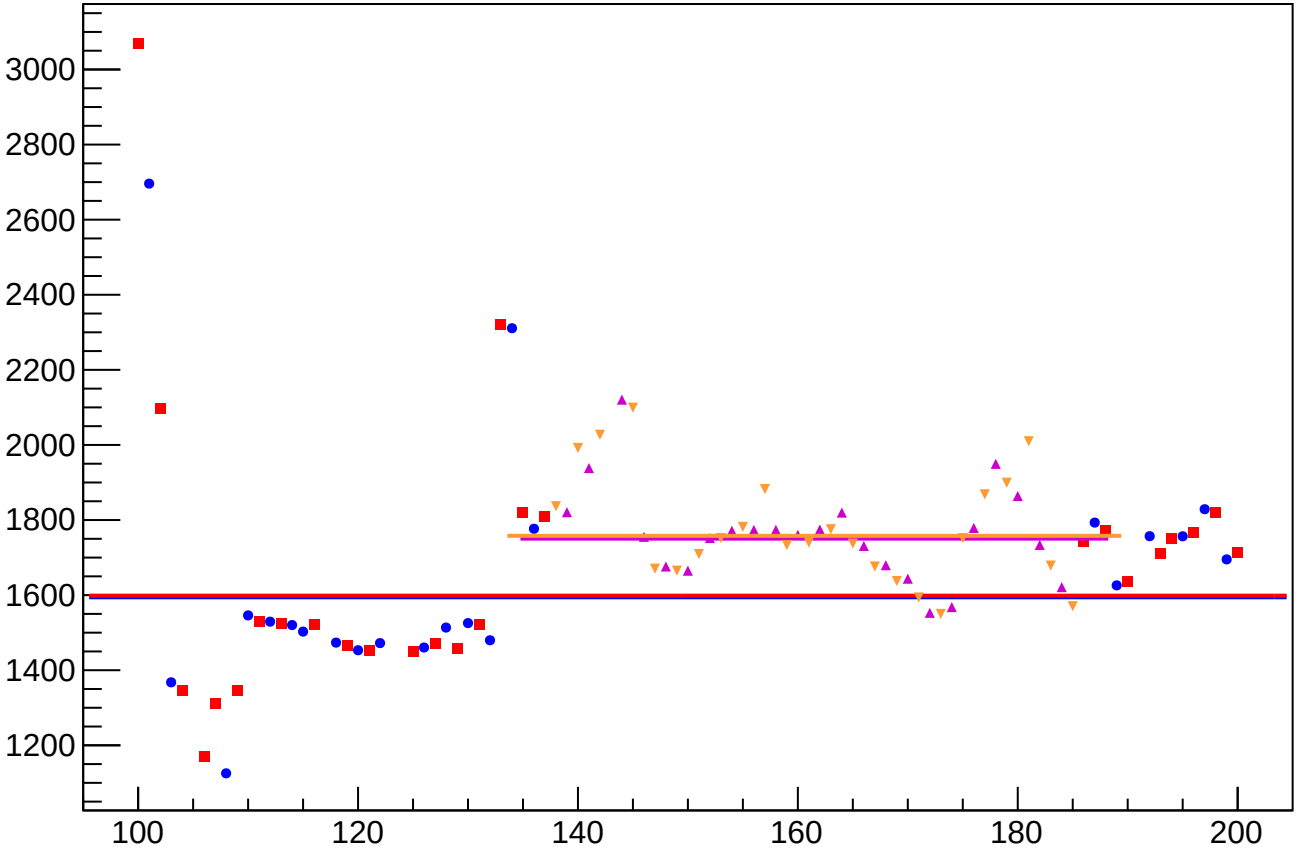
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 451.968+/-310.488 χ^2/NDF: 63.1/45

All: 503.924+/-216.734 χ^2/NDF: 103.5/94

- sign 553.298+/-302.678 χ^2/NDF: 40.4/48

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.1/21

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

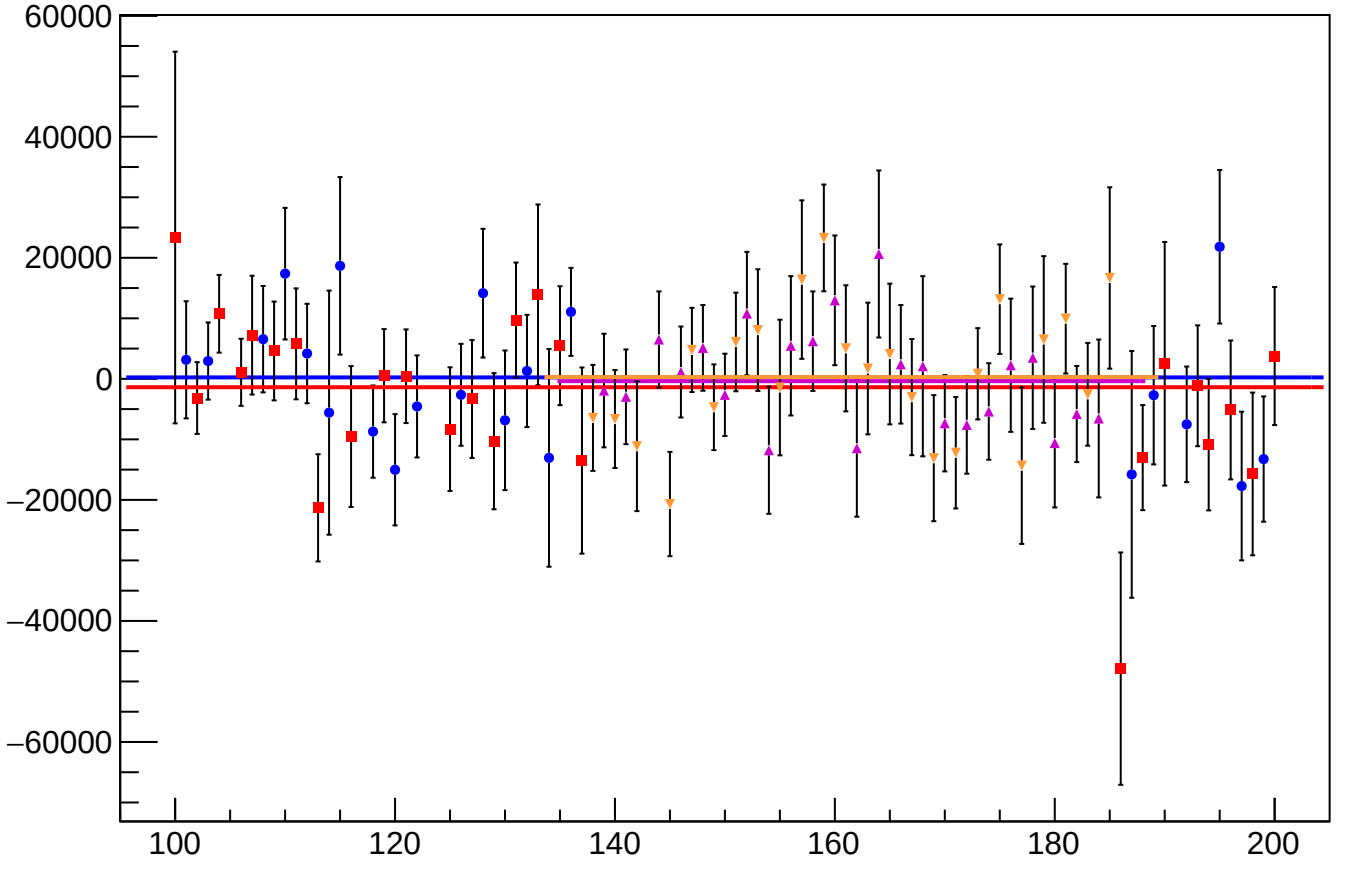
Right Out: 1598.604+/-0.317 χ^2/NDF: 486385.0/25

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1688.341+/-0.220 χ^2/NDF: 936484.2/45

All: 1684.754+/-0.153 χ^2/NDF: 1720184.6/94

- sign 1681.347+/-0.214 χ^2/NDF: 783180.0/48



Right In: 237.763+/-2089.787 χ^2/NDF: 22.7/21

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

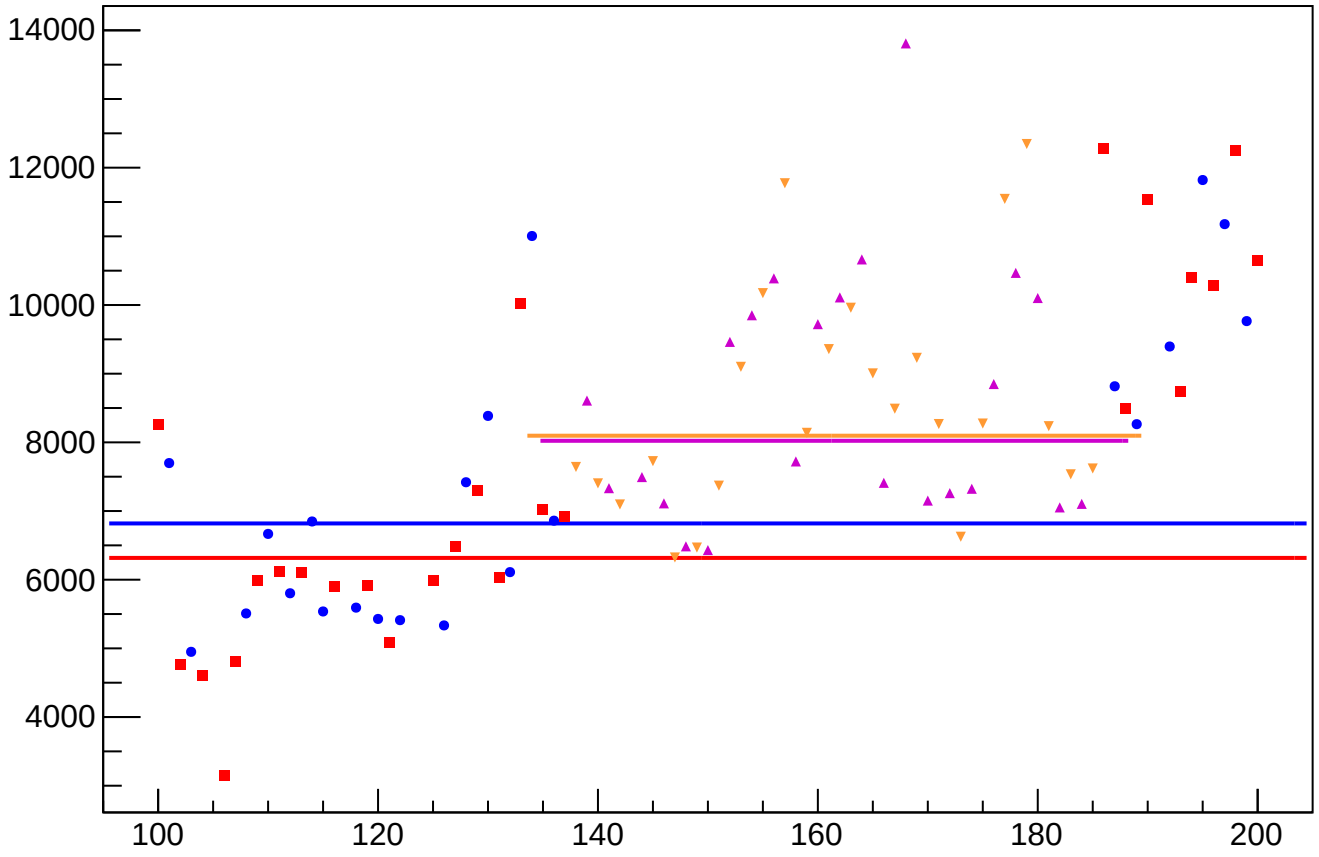
Right Out: -1385.216+/-1846.748 χ^2/NDF: 26.7/25

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 263.337+/-1413.920 χ^2/NDF: 51.3/45

All: -355.320+/-968.161 χ^2/NDF: 92.1/94

- sign -901.440+/-1328.448 χ^2/NDF: 40.4/48



Right In: 6819.247+/-1.478 χ^2/NDF: 1579517.1/21

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6317.232+/-1.306 χ^2/NDF: 2977746.6/25

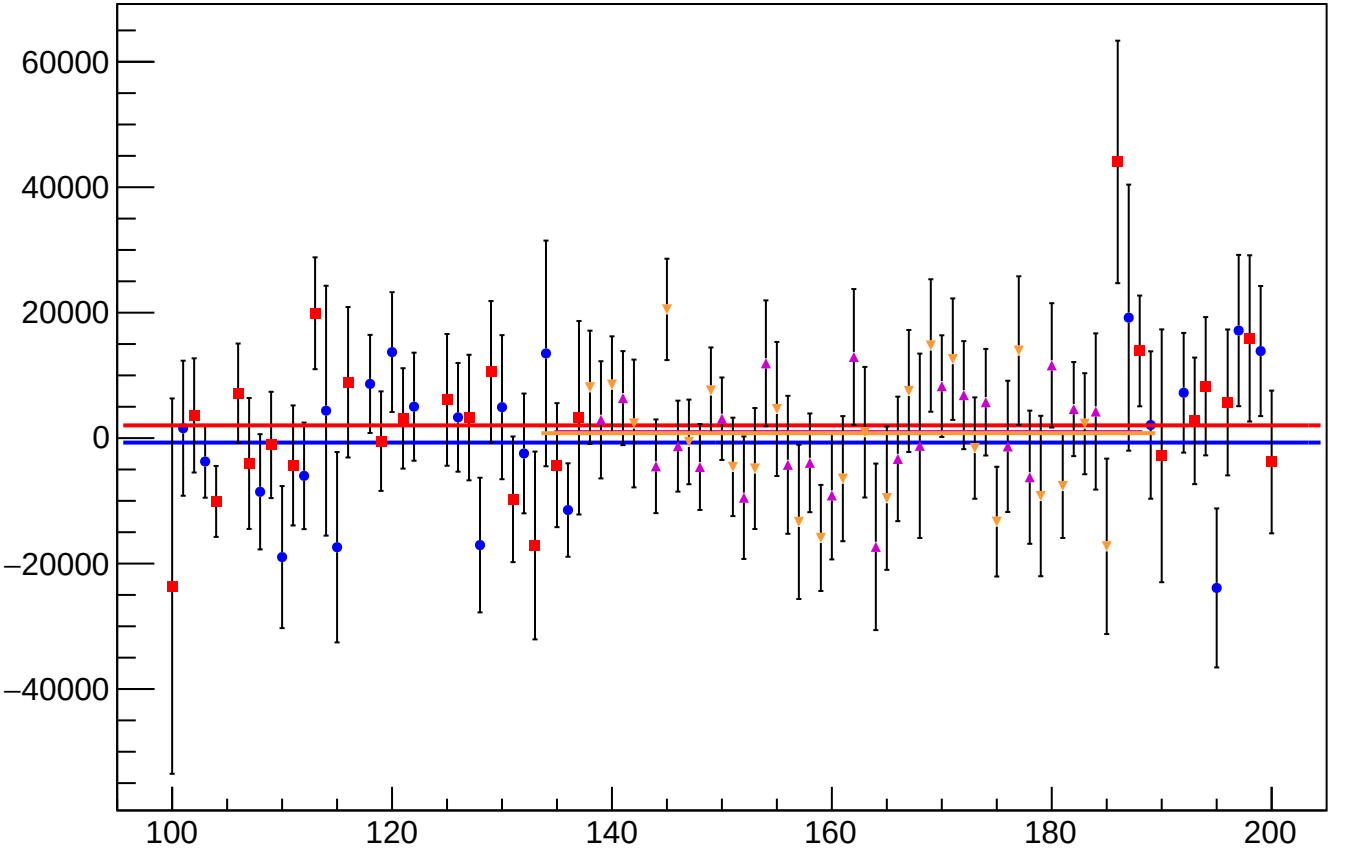
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7511.995+/-1.000 χ^2/NDF: 3072624.0/45

All: 7314.528+/-0.685 χ^2/NDF: 8172478.9/94

- sign 7140.213+/-0.939 χ^2/NDF: 5026409.8/48

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -708.641+/-2111.545 χ^2/NDF: 24.1/21

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2032.307+/-1968.248 χ^2/NDF: 23.7/25

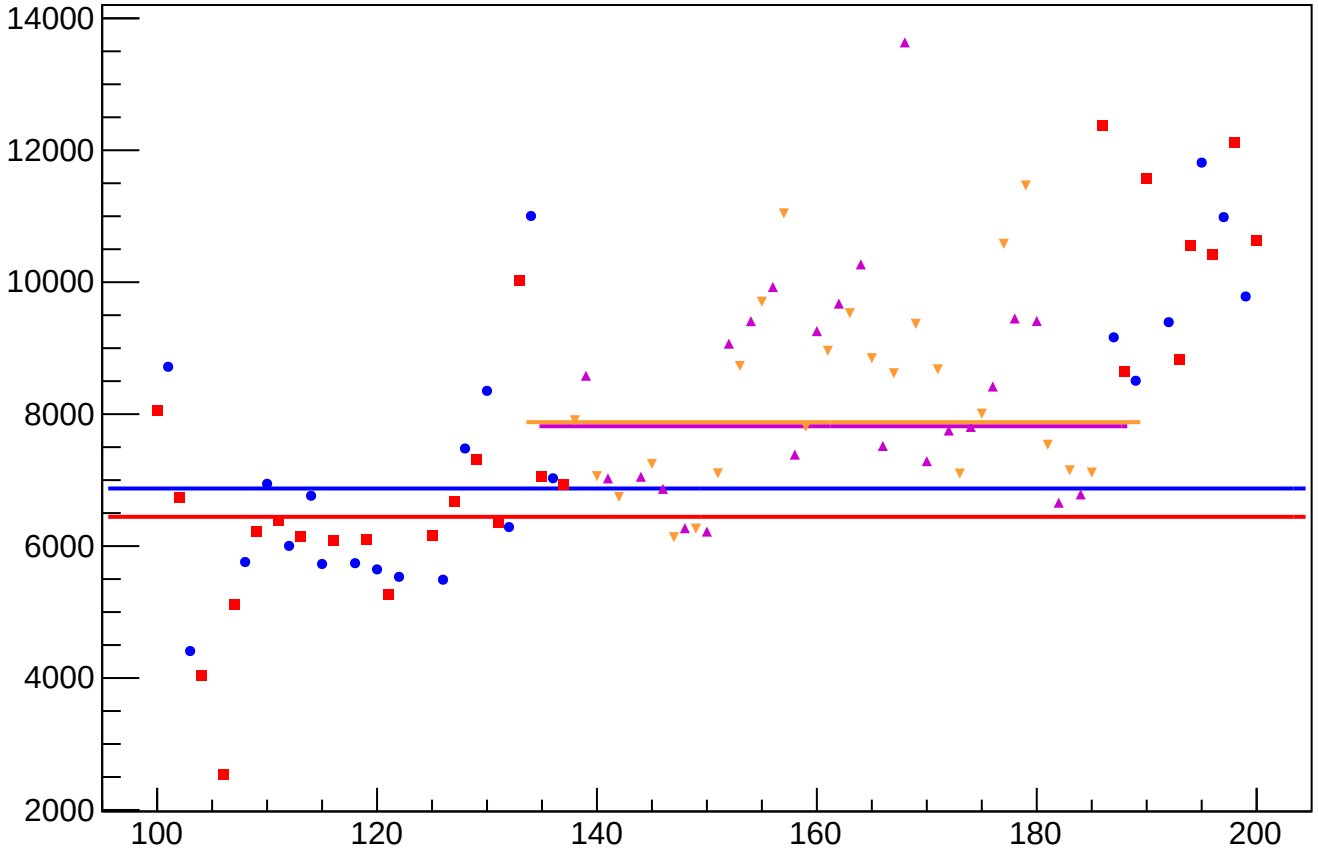
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 133.905+/-1397.879 χ^2/NDF: 51.6/45

All: 823.249+/-971.763 χ^2/NDF: 88.7/94

- sign 1467.932+/-1351.839 χ^2/NDF: 36.7/48

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6873.051+/-1.493 χ^2/NDF: 1707886.8/21

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

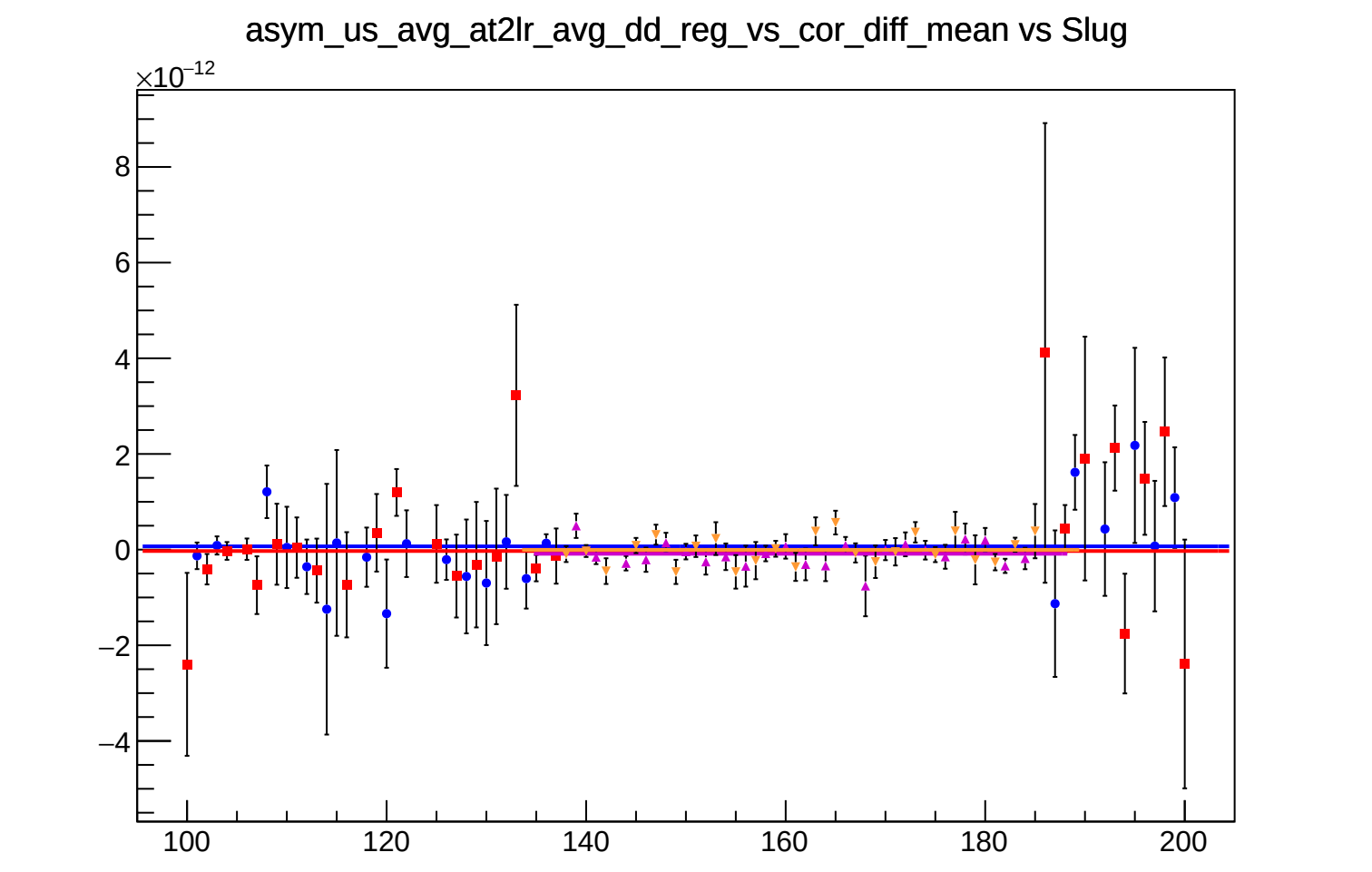
Right Out: 6443.862+/-1.352 χ^2/NDF: 3251410.8/25

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7437.833+/-0.988 χ^2/NDF: 2952667.2/45

All: 7286.739+/-0.682 χ^2/NDF: 7910513.6/94

- sign 7149.271+/-0.943 χ^2/NDF: 4913221.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

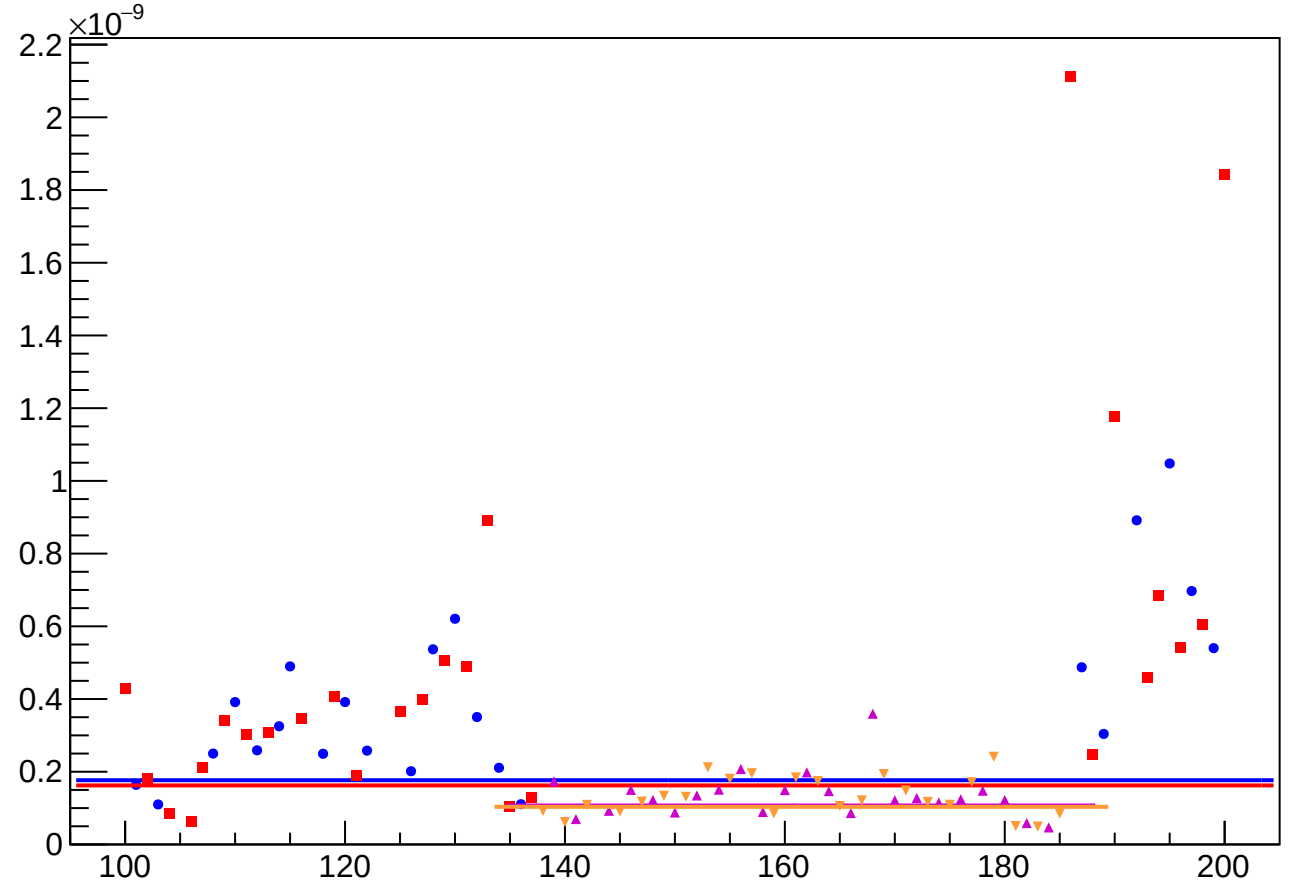
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/25

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/45

All: -0.000+/-0.000 χ^2/NDF: 99.0/94

- sign -0.000+/-0.000 χ^2/NDF: 51.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2933853.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

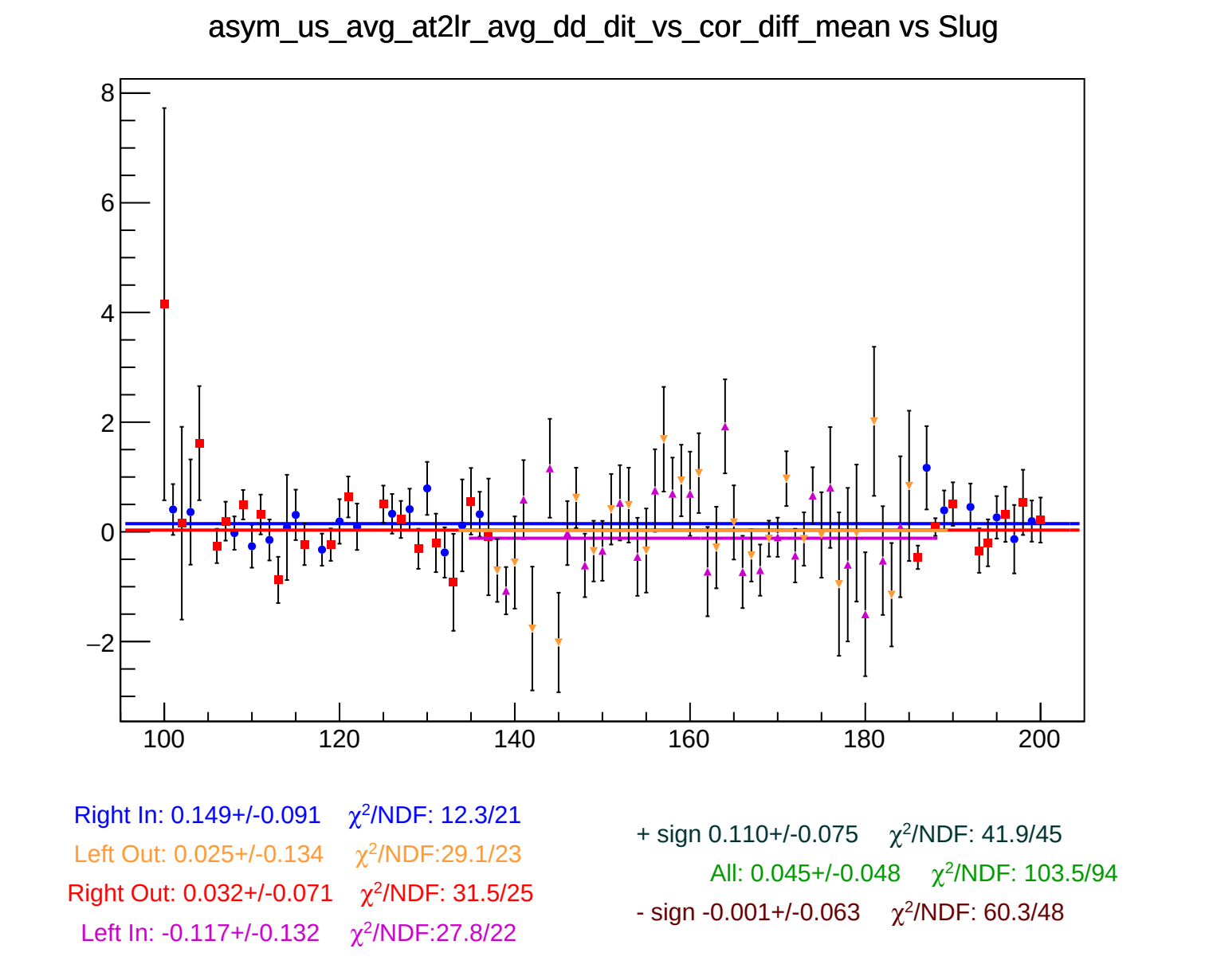
Right Out: 0.000+/-0.000 χ^2/NDF: 4729041.1/25

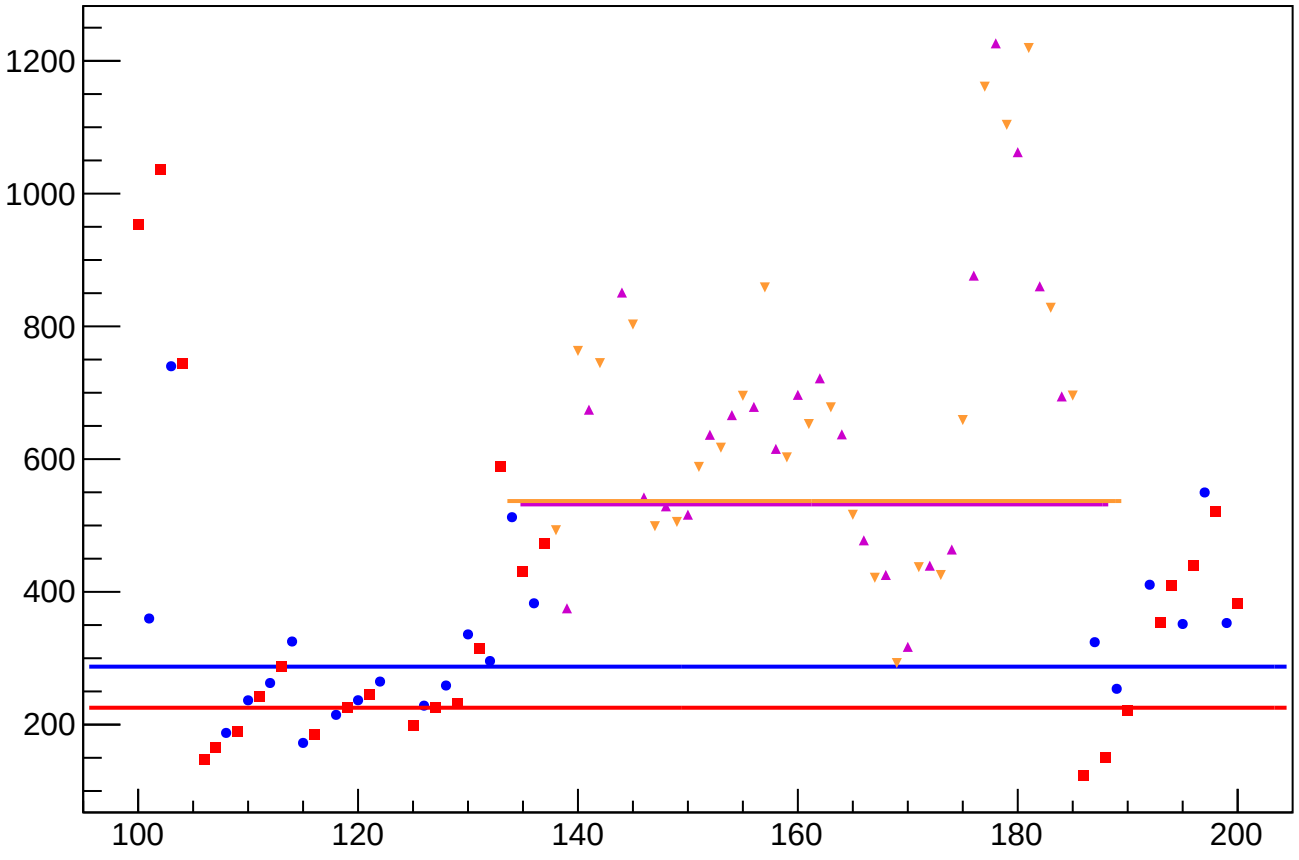
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5715573.4/45

All: 0.000+/-0.000 χ^2/NDF: 12558540.4/94

- sign 0.000+/-0.000 χ^2/NDF: 6841498.5/48


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.149+/-0.091 χ²/NDF: 12.3/21
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.032+/-0.071 χ²/NDF: 31.5/25
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.110+/-0.075 χ²/NDF: 41.9/45
All: 0.045+/-0.048 χ²/NDF: 103.5/94
- sign -0.001+/-0.063 χ²/NDF: 60.3/48



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

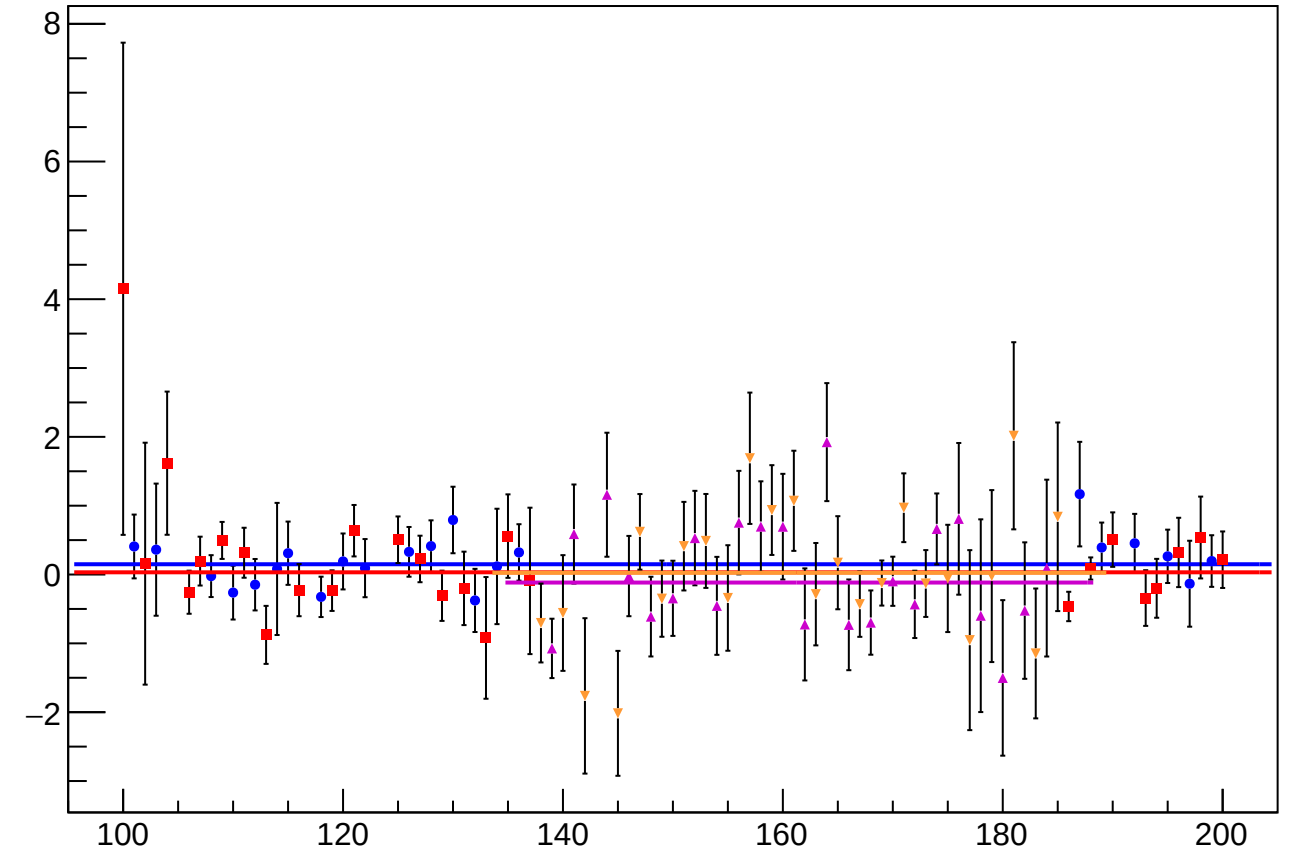
Right Out: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.666+/-0.053 χ^2/NDF: 10756800.3/45

All: 323.667+/-0.034 χ^2/NDF: 28151349.6/94

- sign 294.279+/-0.044 χ^2/NDF: 16330418.0/48



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

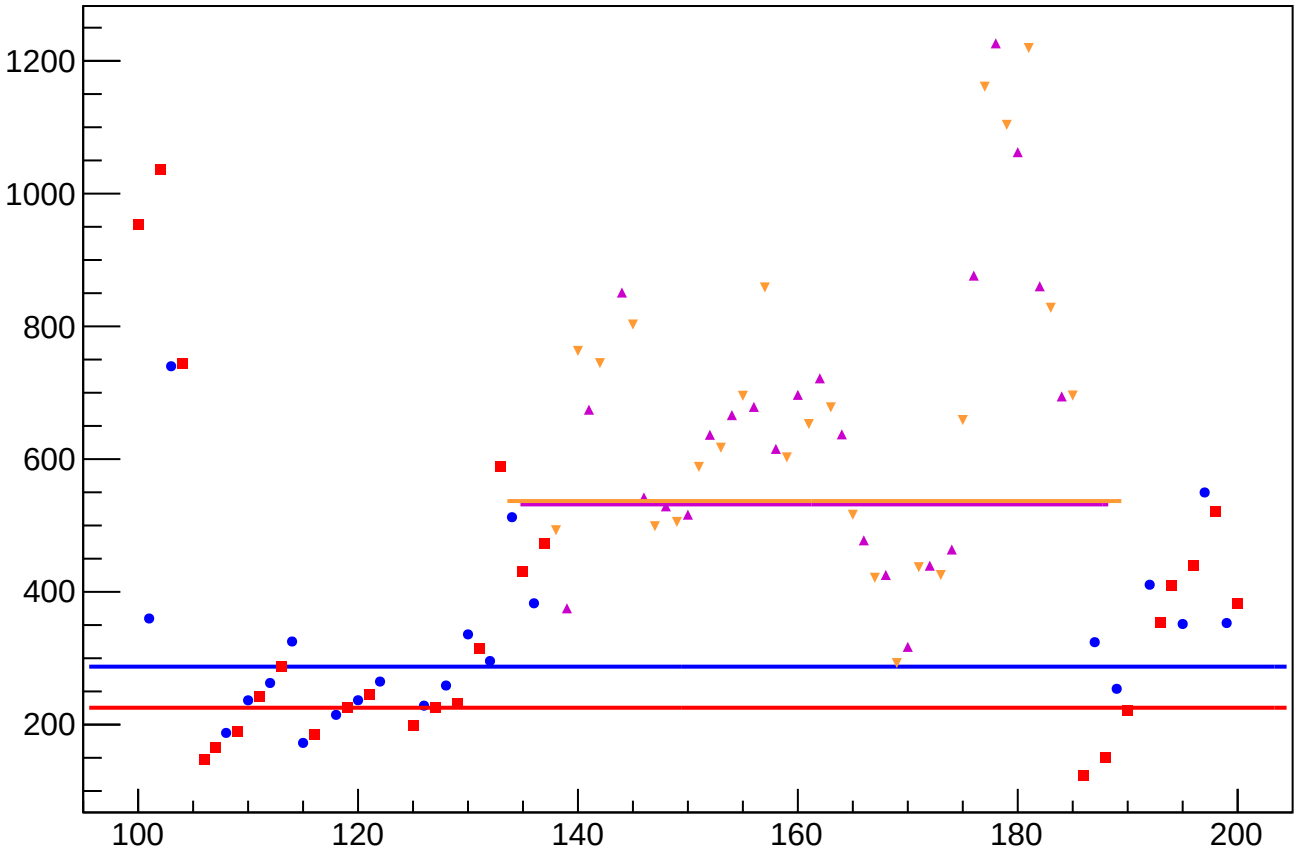
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.045+/-0.048 χ^2/NDF: 103.5/94

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

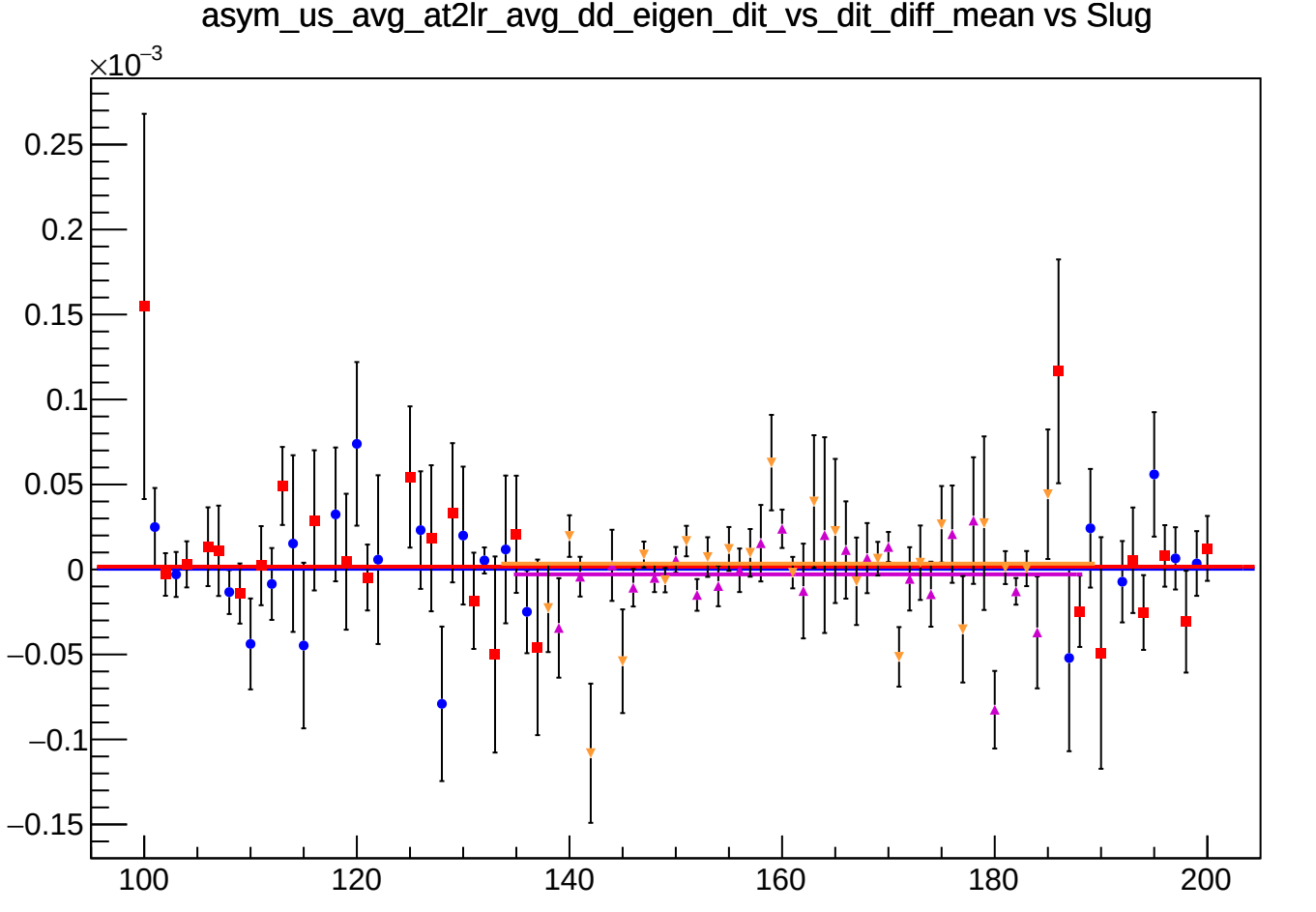
Right Out: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.666+/-0.053 χ^2/NDF: 10756800.3/45

All: 323.667+/-0.034 χ^2/NDF: 28151349.6/94

- sign 294.279+/-0.044 χ^2/NDF: 16330418.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

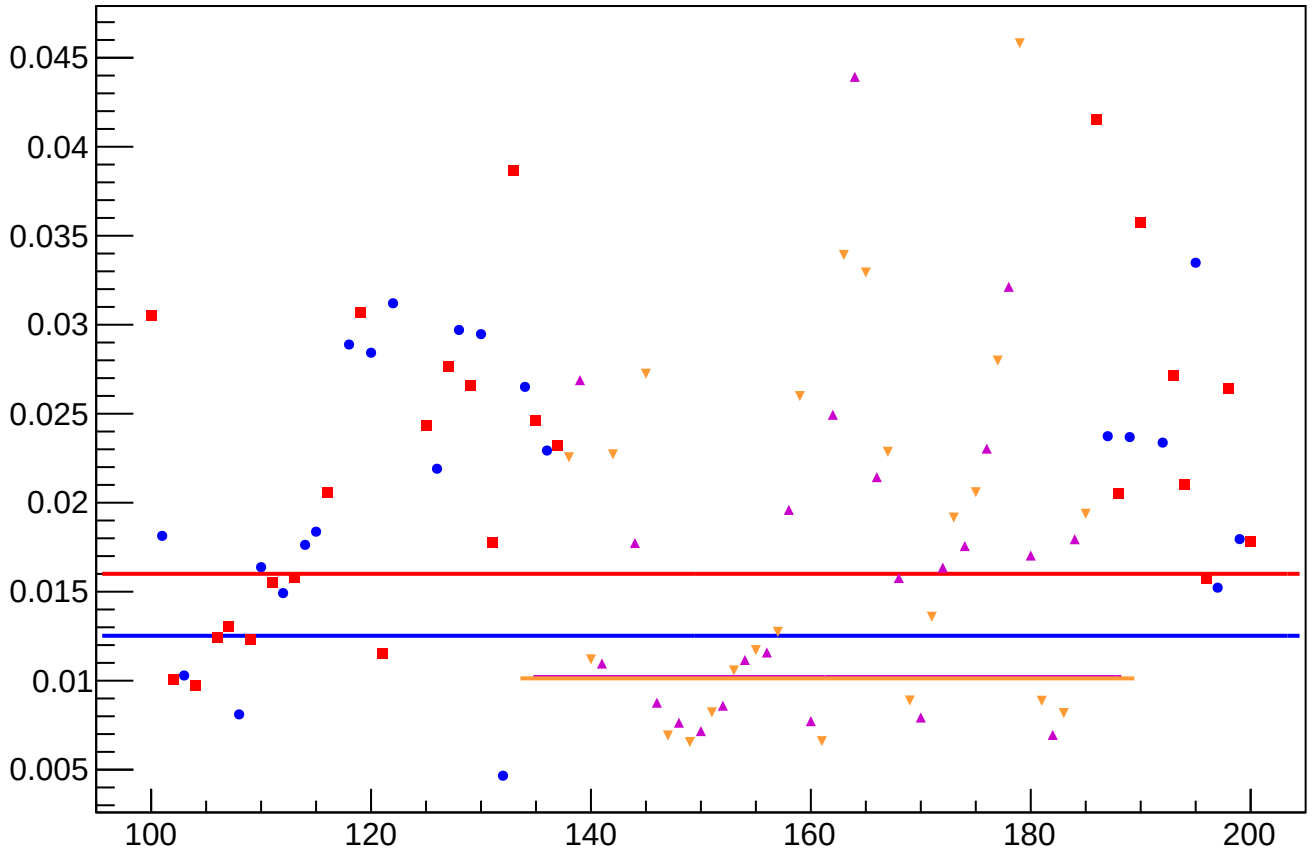
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/25

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/45

All: 0.000+/-0.000 χ^2/NDF: 113.4/94

- sign -0.000+/-0.000 χ^2/NDF: 53.9/48



Right In: 0.013+/-0.000 χ^2/NDF: 6386548.2/21

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3493721.9/25

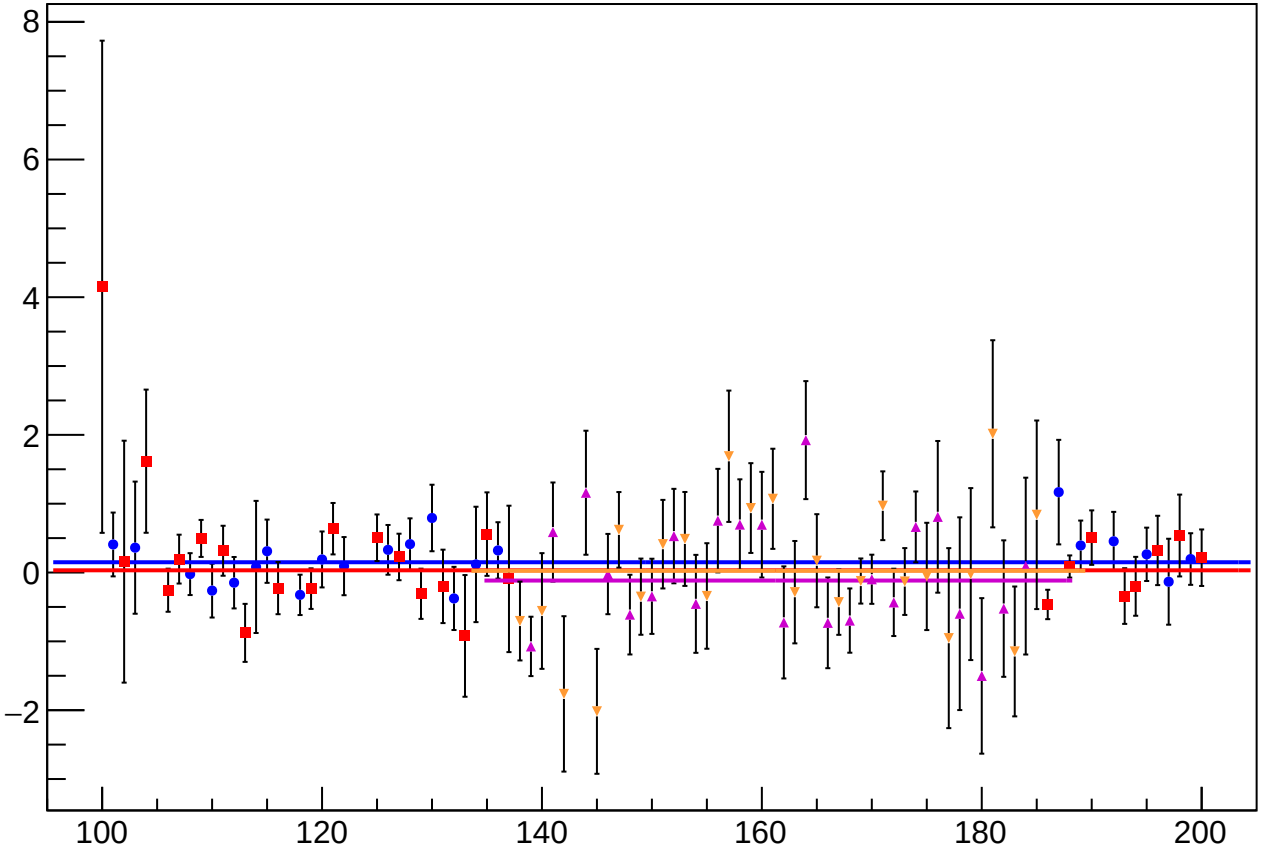
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14614651.4/45

All: 0.011+/-0.000 χ^2/NDF: 26497718.9/94

- sign 0.012+/-0.000 χ^2/NDF: 11748481.6/48

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

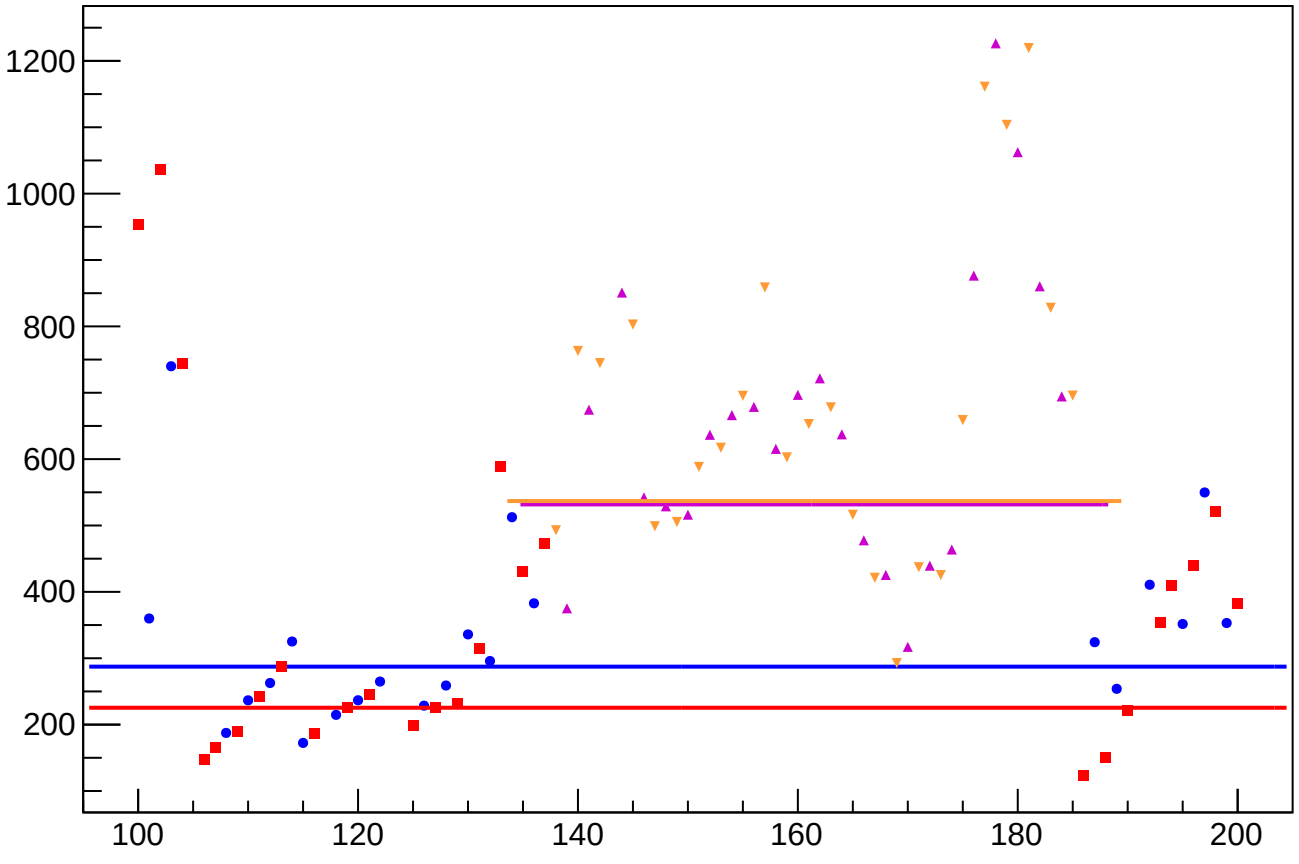
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.045+/-0.048 χ^2/NDF: 103.5/94

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48



Right In: 287.336+/-0.064 χ^2/NDF: 2035367.0/21

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 225.440+/-0.050 χ^2/NDF: 4657085.2/25

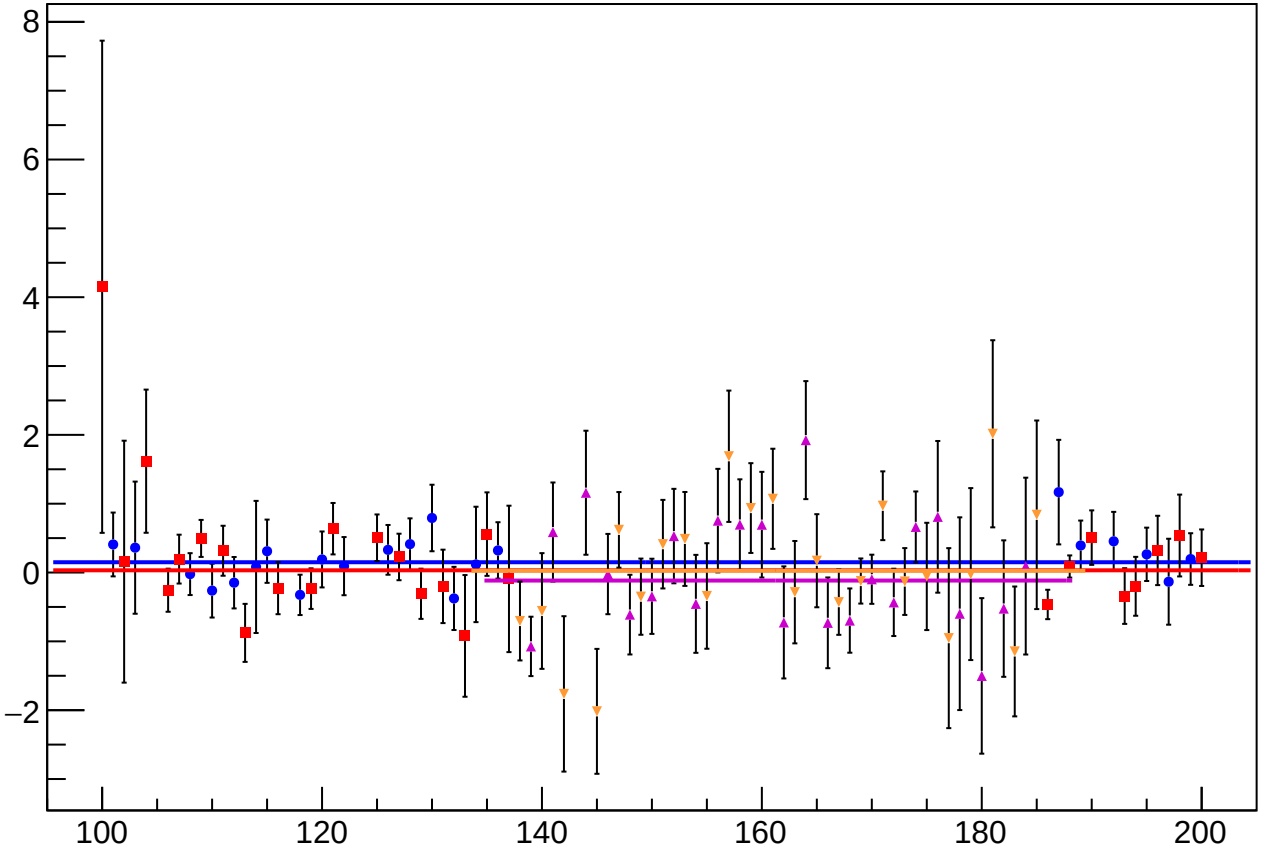
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 365.664+/-0.053 χ^2/NDF: 10757058.1/45

All: 323.665+/-0.034 χ^2/NDF: 28152095.0/94

- sign 294.276+/-0.044 χ^2/NDF: 16330873.8/48

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

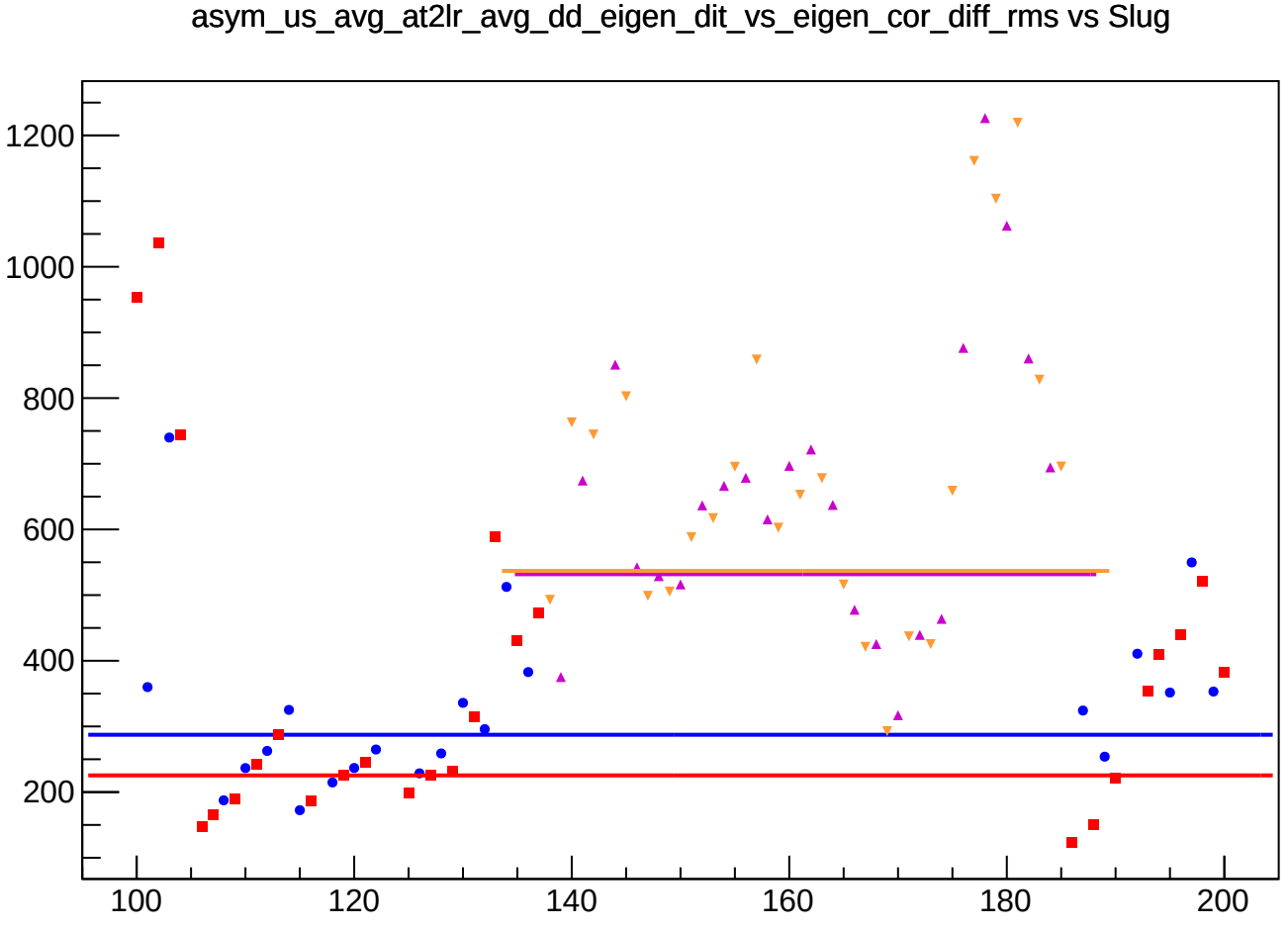
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.045+/-0.048 χ^2/NDF: 103.5/94

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48



Right In: 287.336+/-0.064 χ^2/NDF: 2035367.0/21

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

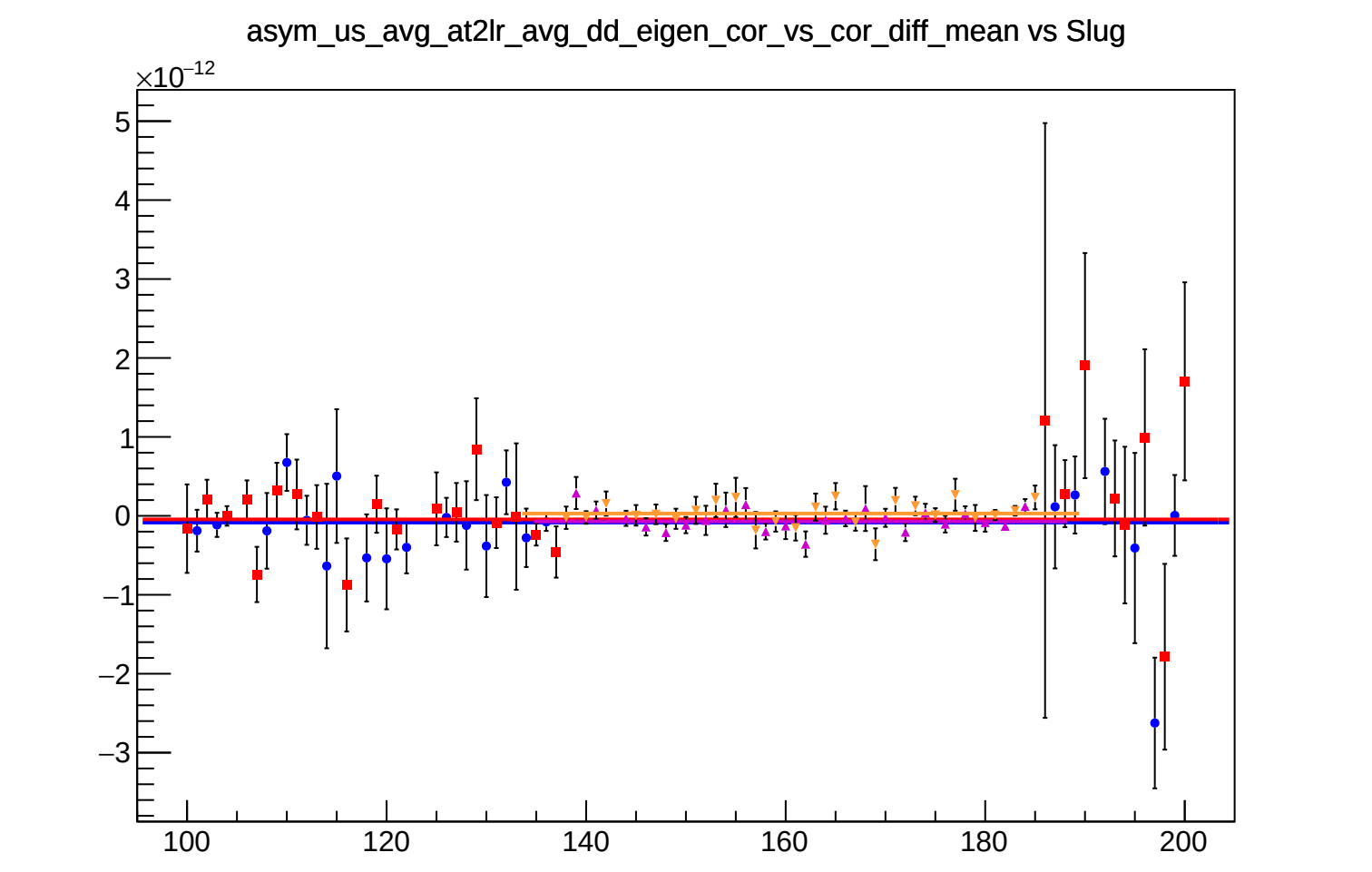
Right Out: 225.440+/-0.050 χ^2/NDF: 4657085.2/25

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 365.664+/-0.053 χ^2/NDF: 10757058.1/45

All: 323.665+/-0.034 χ^2/NDF: 28152095.0/94

- sign 294.276+/-0.044 χ^2/NDF: 16330873.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

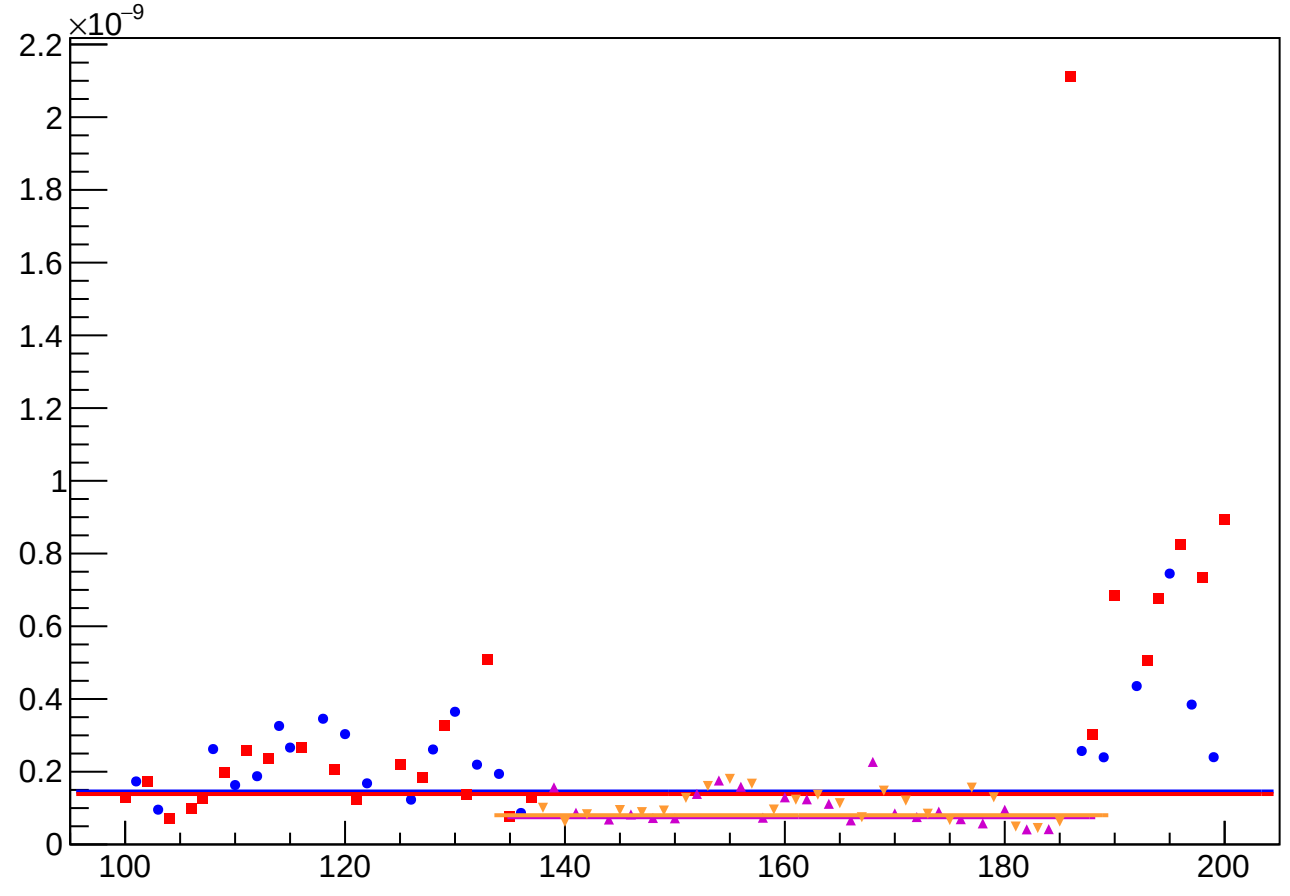
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/25

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/45

All: -0.000+/-0.000 χ^2/NDF: 95.0/94

- sign -0.000+/-0.000 χ^2/NDF: 47.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3088967.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6355194.5/25

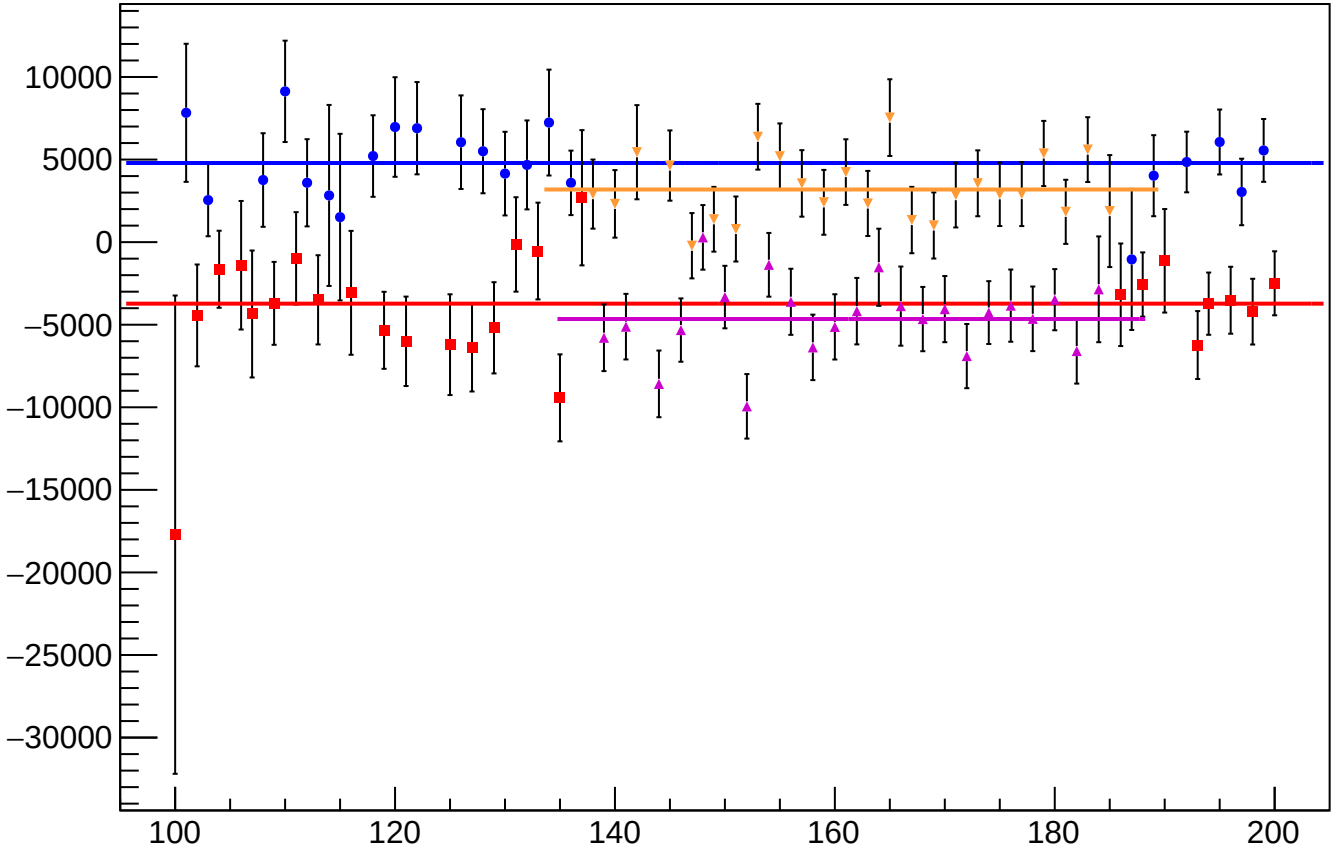
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8503220.2/45

All: 0.000+/-0.000 χ^2/NDF: 20386430.4/94

- sign 0.000+/-0.000 χ^2/NDF: 11821117.7/48

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4792.404+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3724.988+/-511.935 χ^2/NDF: 19.2/25

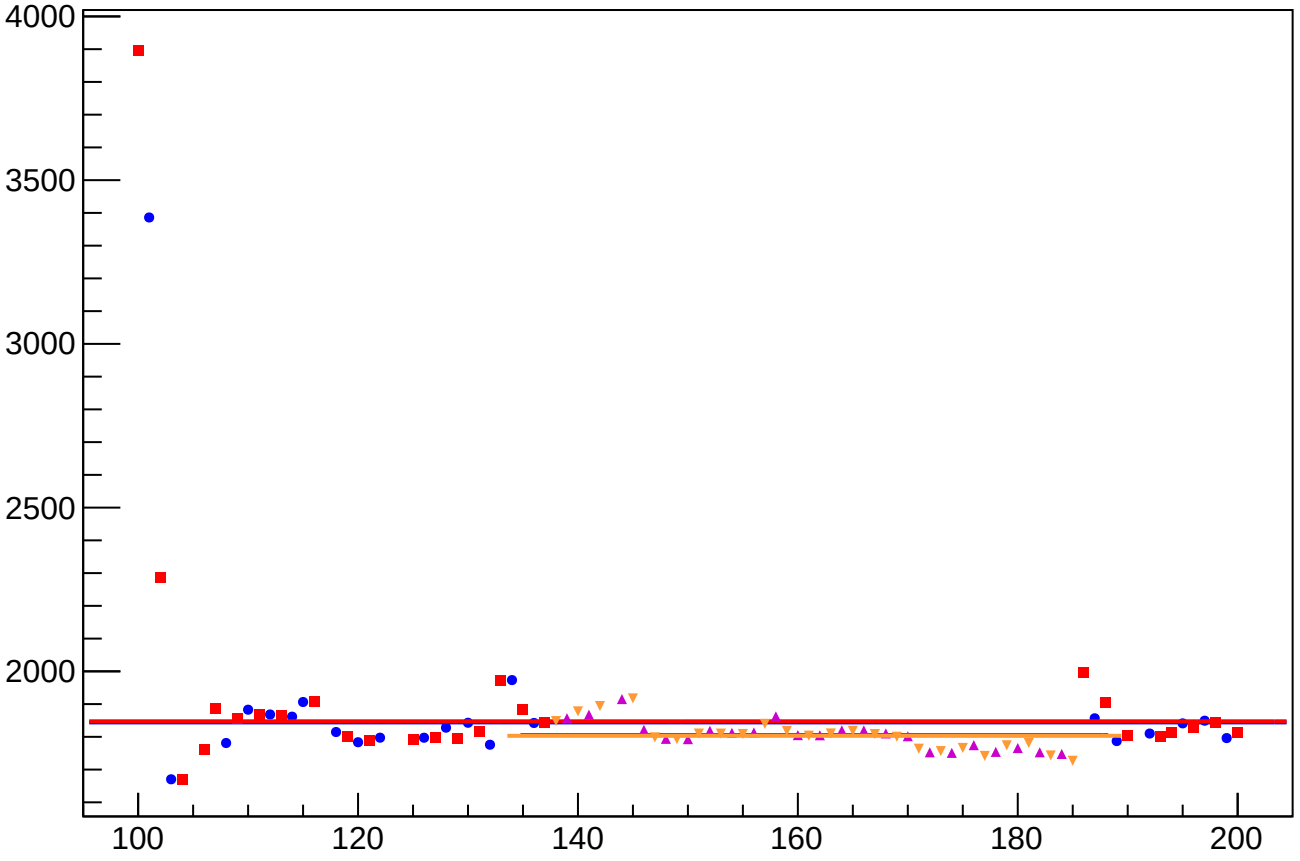
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.466+/-332.369 χ^2/NDF: 35.5/45

All: -333.673+/-232.549 χ^2/NDF: 384.6/94

- sign -4279.179+/-325.486 χ^2/NDF: 48.9/48

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296375.3/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

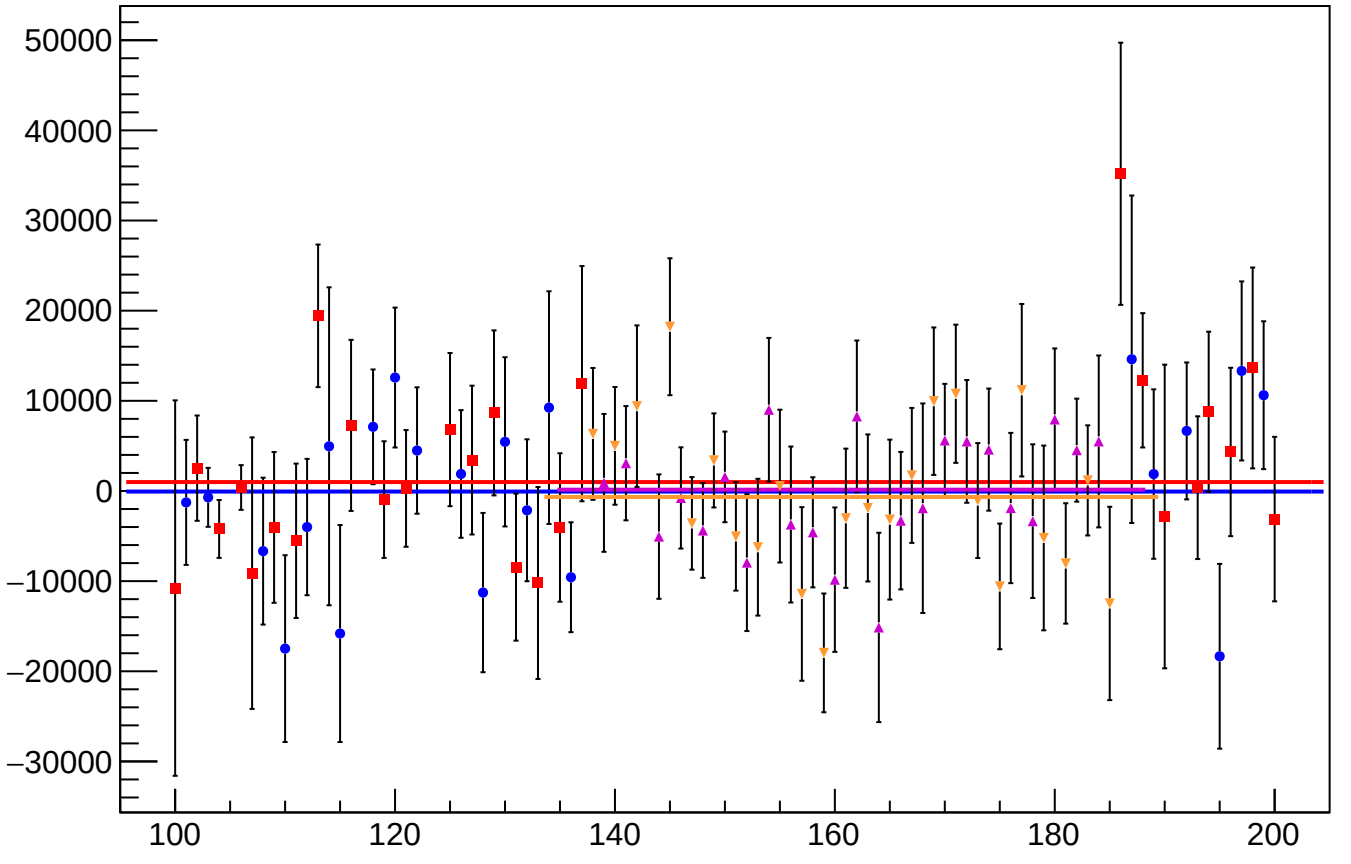
Right Out: 1847.429+/-0.361 χ^2/NDF: 111570.1/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324097.6/45

All: 1820.434+/-0.164 χ^2/NDF: 463136.4/94

- sign 1822.517+/-0.230 χ^2/NDF: 138871.0/48



Right In: -64.553+/-1606.349 χ^2/NDF: 23.2/21

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

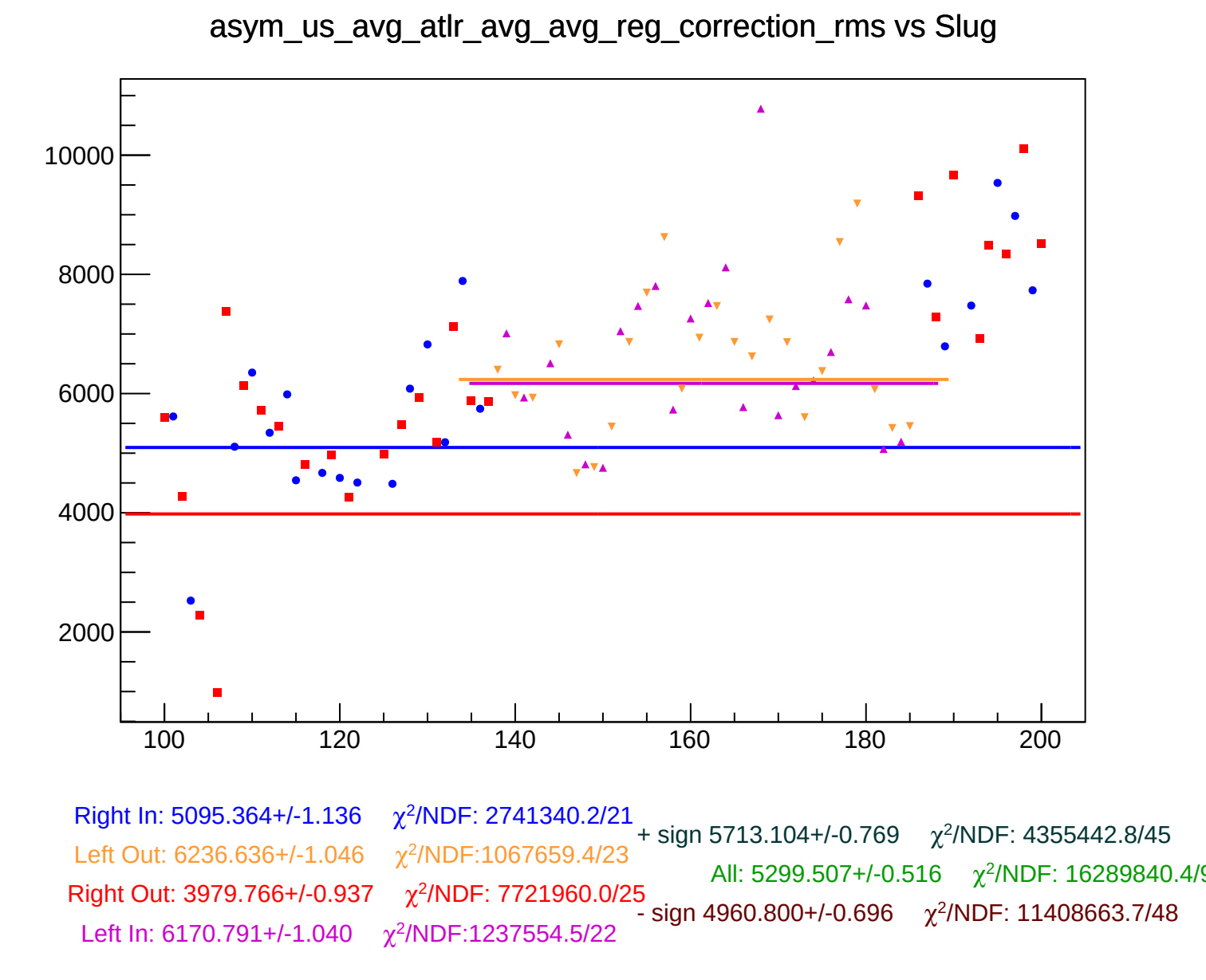
Right Out: 988.827+/-1324.870 χ^2/NDF: 25.5/25

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

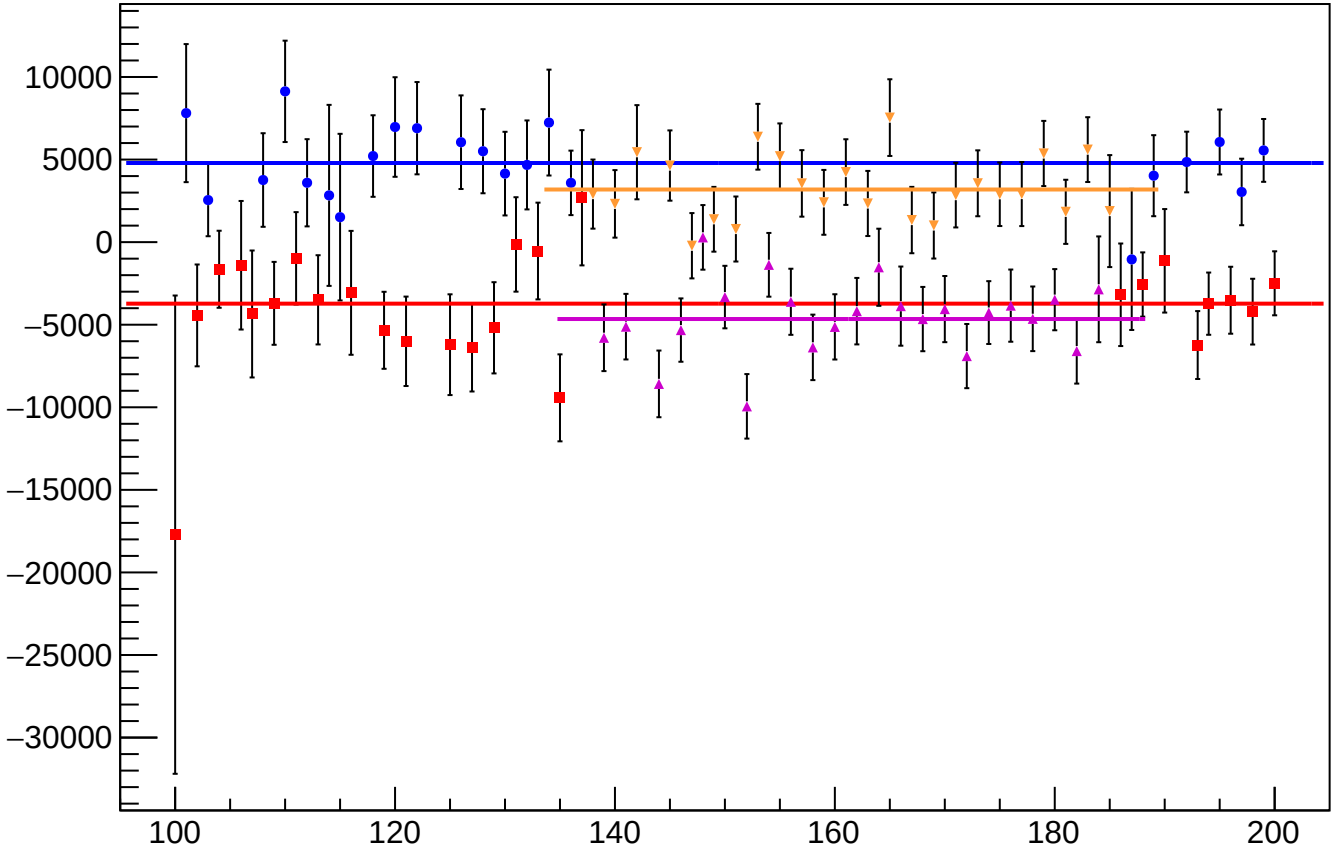
+ sign -390.773+/-1087.970 χ^2/NDF: 53.0/45

All: 159.592+/-730.016 χ^2/NDF: 92.8/94

- sign 610.302+/-984.556 χ^2/NDF: 39.3/48


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5095.364+/-1.136 χ²/NDF: 2741340.2/21
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3979.766+/-0.937 χ²/NDF: 7721960.0/25
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
+ sign 5713.104+/-0.769 χ²/NDF: 4355442.8/45
All: 5299.507+/-0.516 χ²/NDF: 16289840.4/9
- sign 4960.800+/-0.696 χ²/NDF: 11408663.7/48

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3724.874+/-511.935 χ^2/NDF: 19.2/25

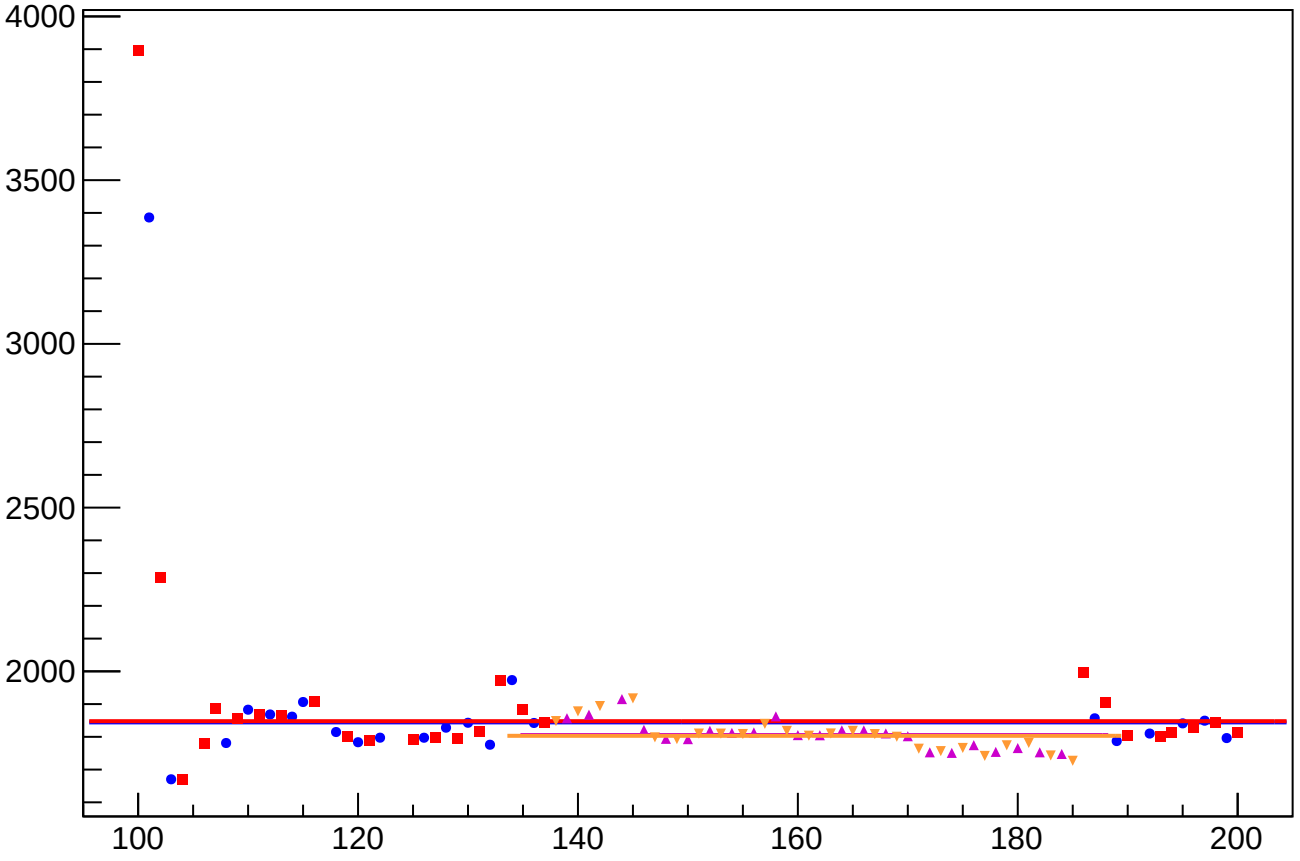
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.327+/-332.369 χ^2/NDF: 35.5/45

All: -333.724+/-232.549 χ^2/NDF: 384.5/94

- sign -4279.144+/-325.486 χ^2/NDF: 48.9/48

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

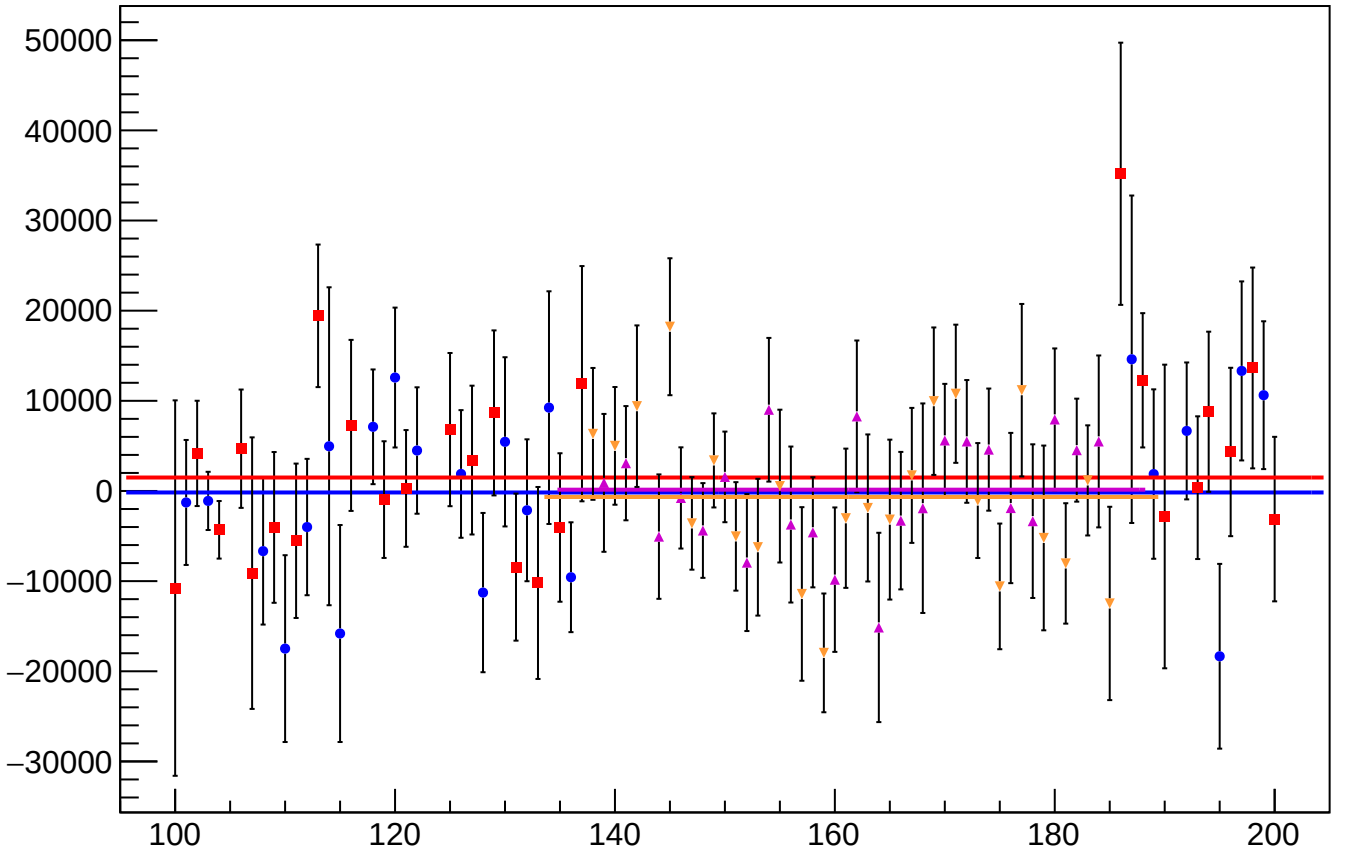
Right Out: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324099.4/45

All: 1820.511+/-0.164 χ^2/NDF: 462860.8/94

- sign 1822.668+/-0.230 χ^2/NDF: 138581.5/48



Right In: -165.798+/-1601.586 χ^2/NDF: 23.3/21

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

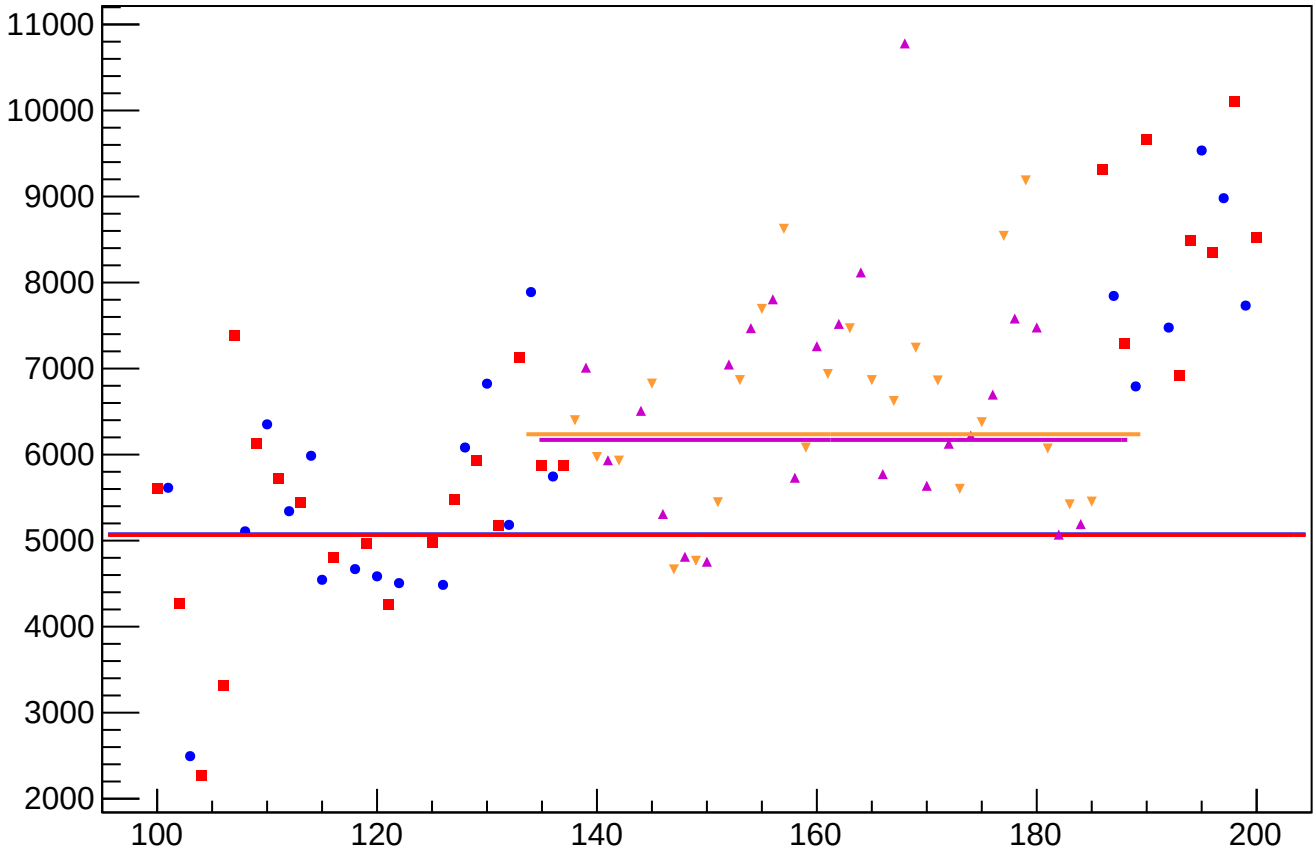
Right Out: 1492.800+/-1522.353 χ^2/NDF: 26.0/25

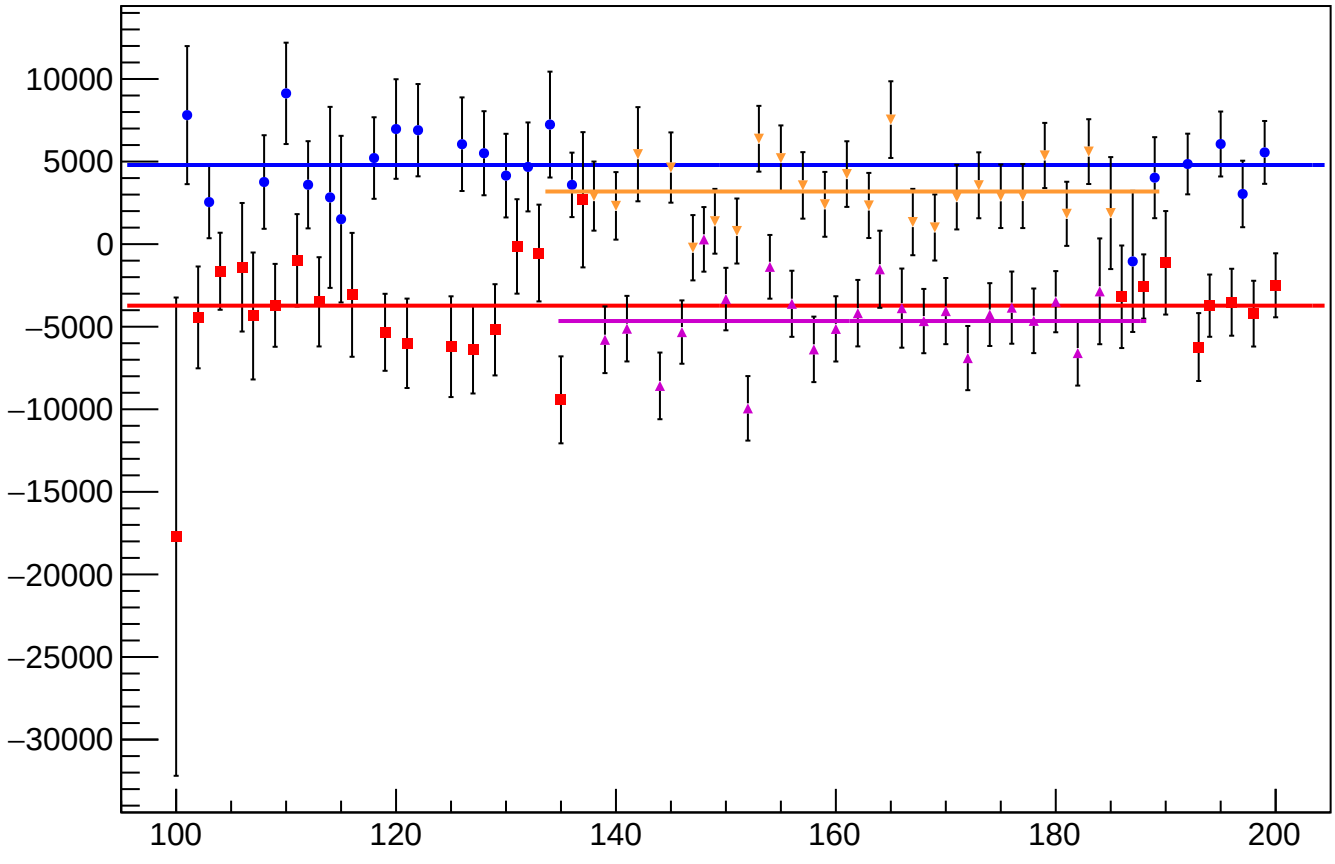
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -436.478+/-1086.487 χ^2/NDF: 53.1/45

All: 195.685+/-757.983 χ^2/NDF: 93.7/94

- sign 795.111+/-1057.981 χ^2/NDF: 40.0/48


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 5072.550+/-1.132 χ²/NDF: 2801838.5/21
Left Out: 6236.635+/-1.046 χ²/NDF:1067665.4/23
Right Out: 5066.007+/-1.076 χ²/NDF: 3816606.8/25
Left In: 6170.789+/-1.040 χ²/NDF:1237564.5/22
+ sign 5700.921+/-0.768 χ²/NDF: 4439838.8/45
All: 5668.217+/-0.536 χ²/NDF: 10042122.7/9
- sign 5637.207+/-0.748 χ²/NDF: 5598753.5/48



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3724.874+/-511.935 χ^2/NDF: 19.2/25

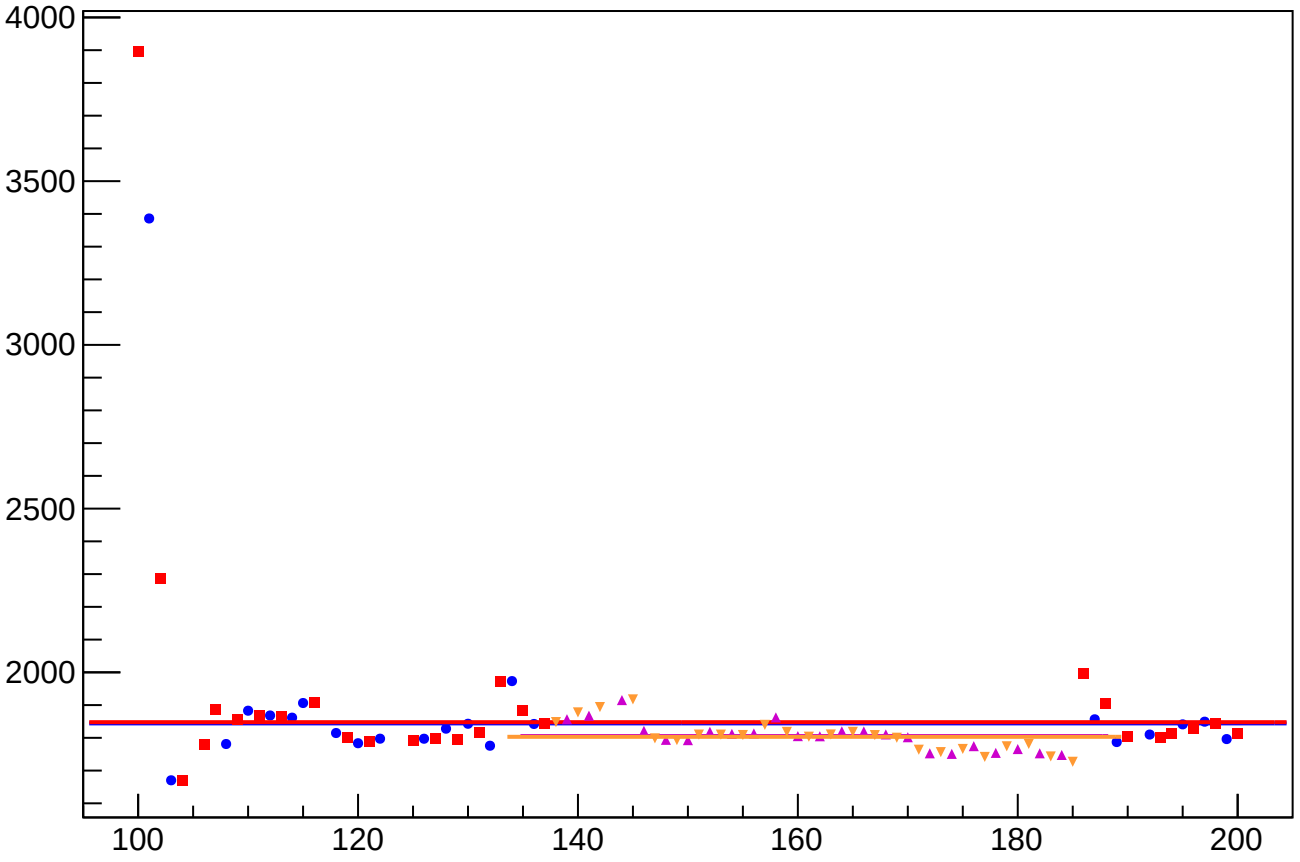
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.327+/-332.369 χ^2/NDF: 35.5/45

All: -333.724+/-232.549 χ^2/NDF: 384.5/94

- sign -4279.144+/-325.486 χ^2/NDF: 48.9/48

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

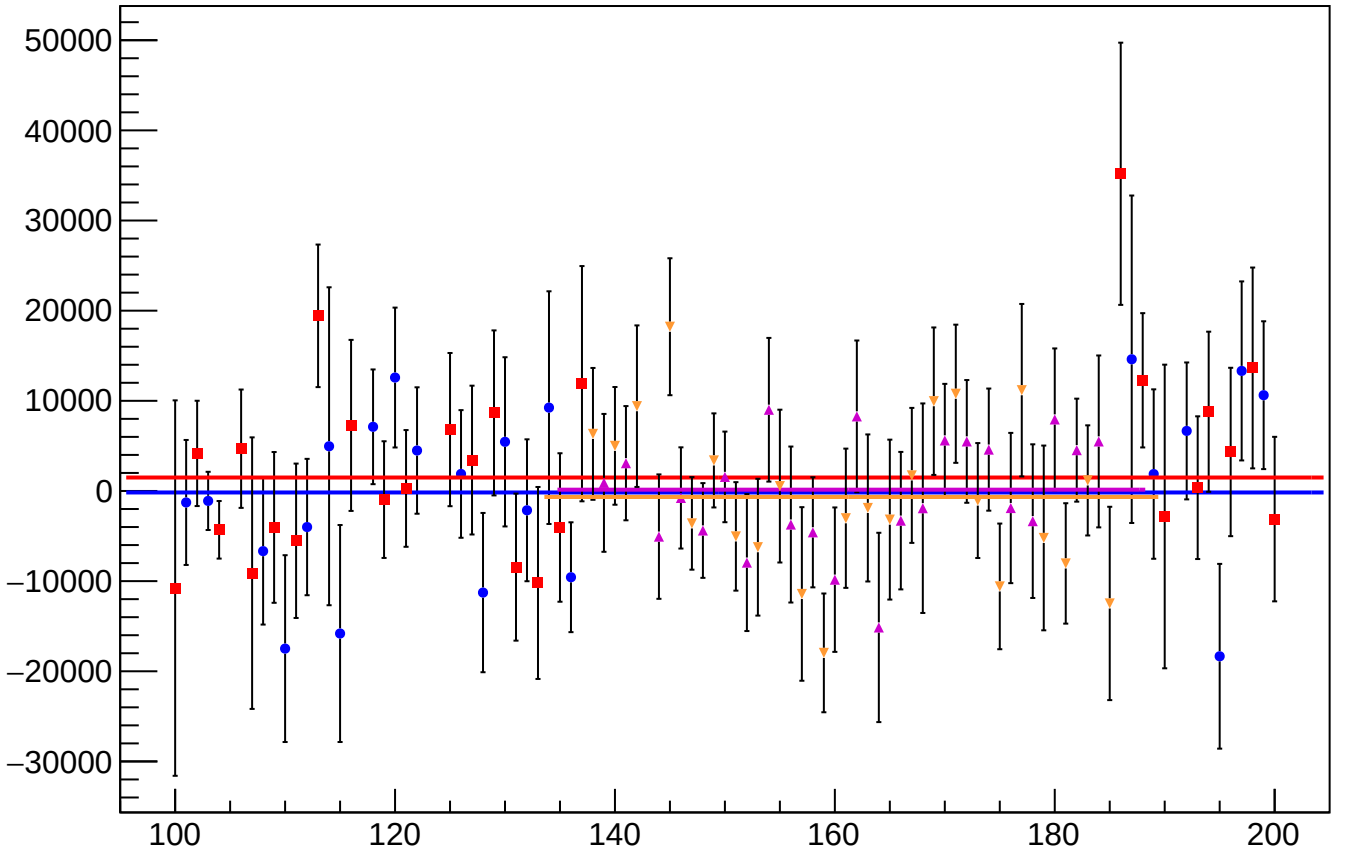
Right Out: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324099.4/45

All: 1820.511+/-0.164 χ^2/NDF: 462860.8/94

- sign 1822.668+/-0.230 χ^2/NDF: 138581.5/48



Right In: -165.798+/-1601.586 χ^2/NDF: 23.3/21

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

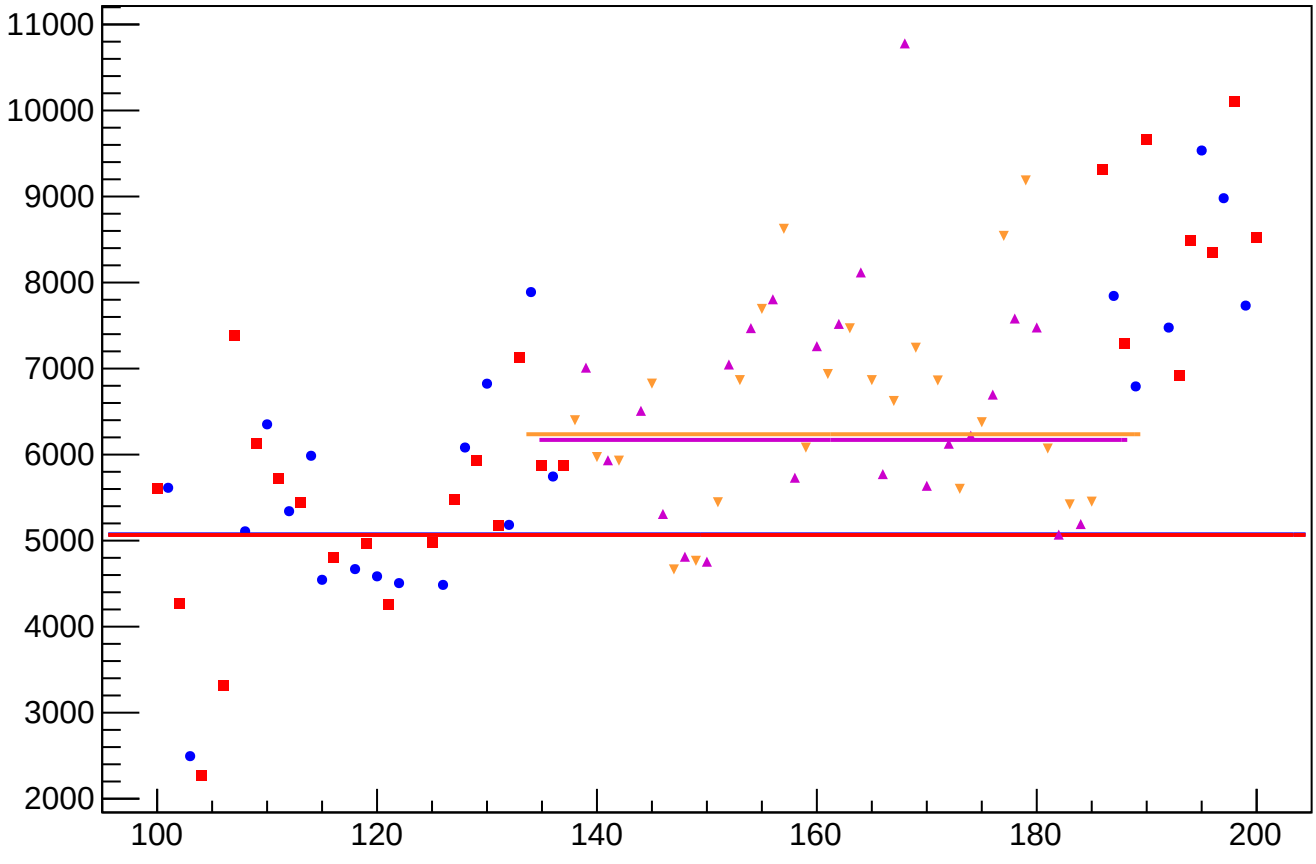
Right Out: 1492.800+/-1522.353 χ^2/NDF: 26.0/25

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -436.478+/-1086.487 χ^2/NDF: 53.1/45

All: 195.685+/-757.983 χ^2/NDF: 93.7/94

- sign 795.111+/-1057.981 χ^2/NDF: 40.0/48



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5066.007+/-1.076 χ^2/NDF: 3816606.8/25

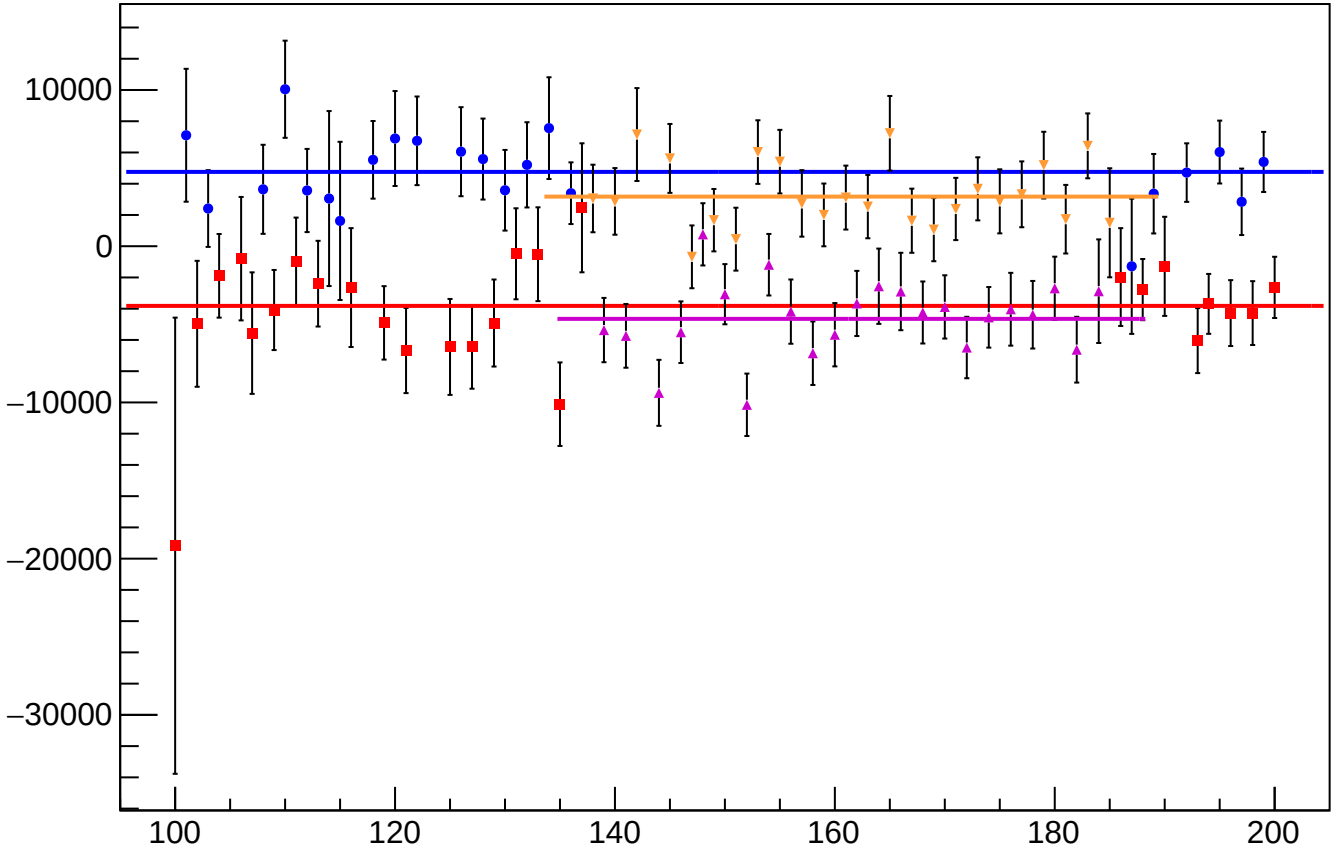
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5700.921+/-0.768 χ^2/NDF: 4439838.8/45

All: 5668.217+/-0.536 χ^2/NDF: 10042122.7/9

- sign 5637.207+/-0.748 χ^2/NDF: 5598753.5/48

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.907+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3819.800+/-525.276 χ^2/NDF: 20.3/25

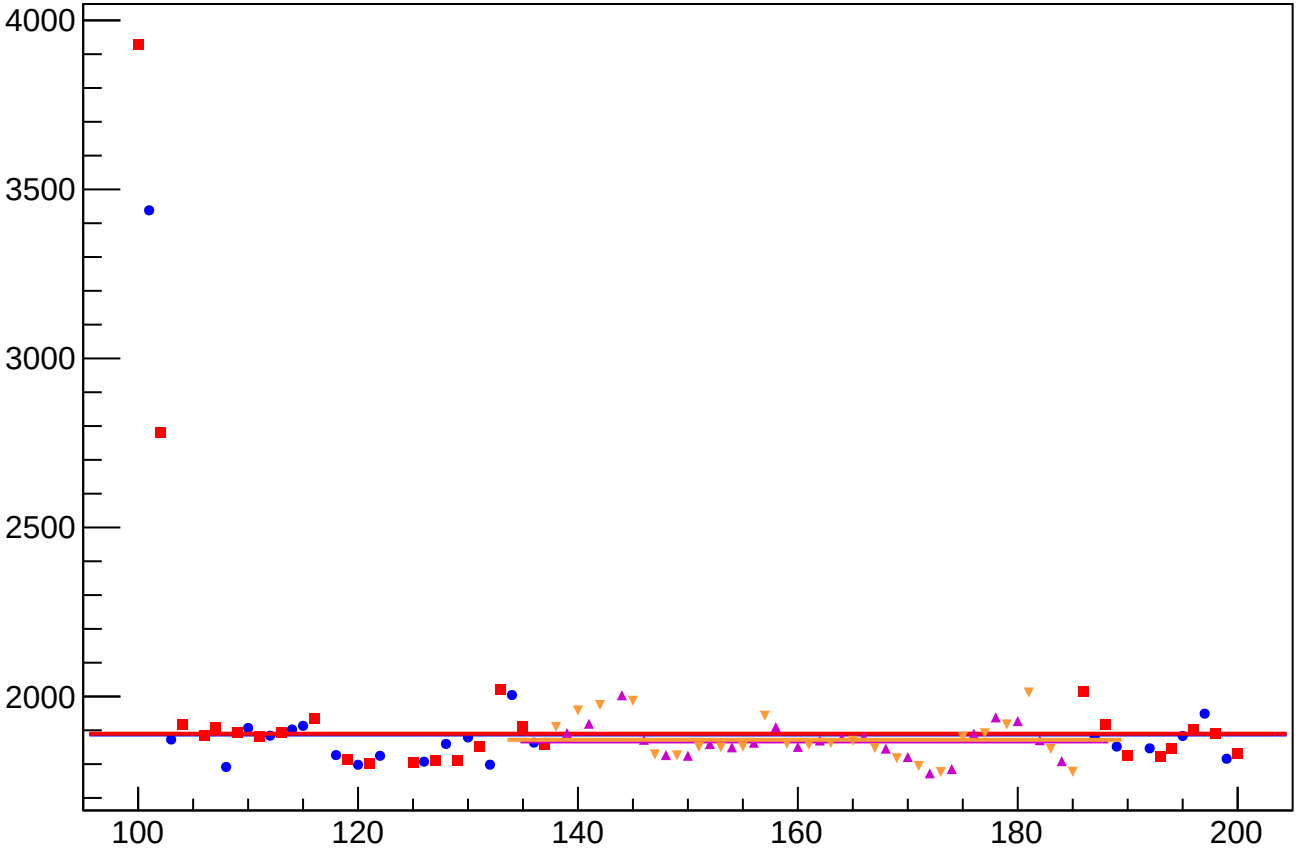
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3770.507+/-343.370 χ^2/NDF: 37.9/45

All: -363.207+/-239.997 χ^2/NDF: 373.6/94

- sign -4311.434+/-335.577 χ^2/NDF: 52.3/48

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1887.658+/-0.396 χ^2/NDF: 284890.5/21

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

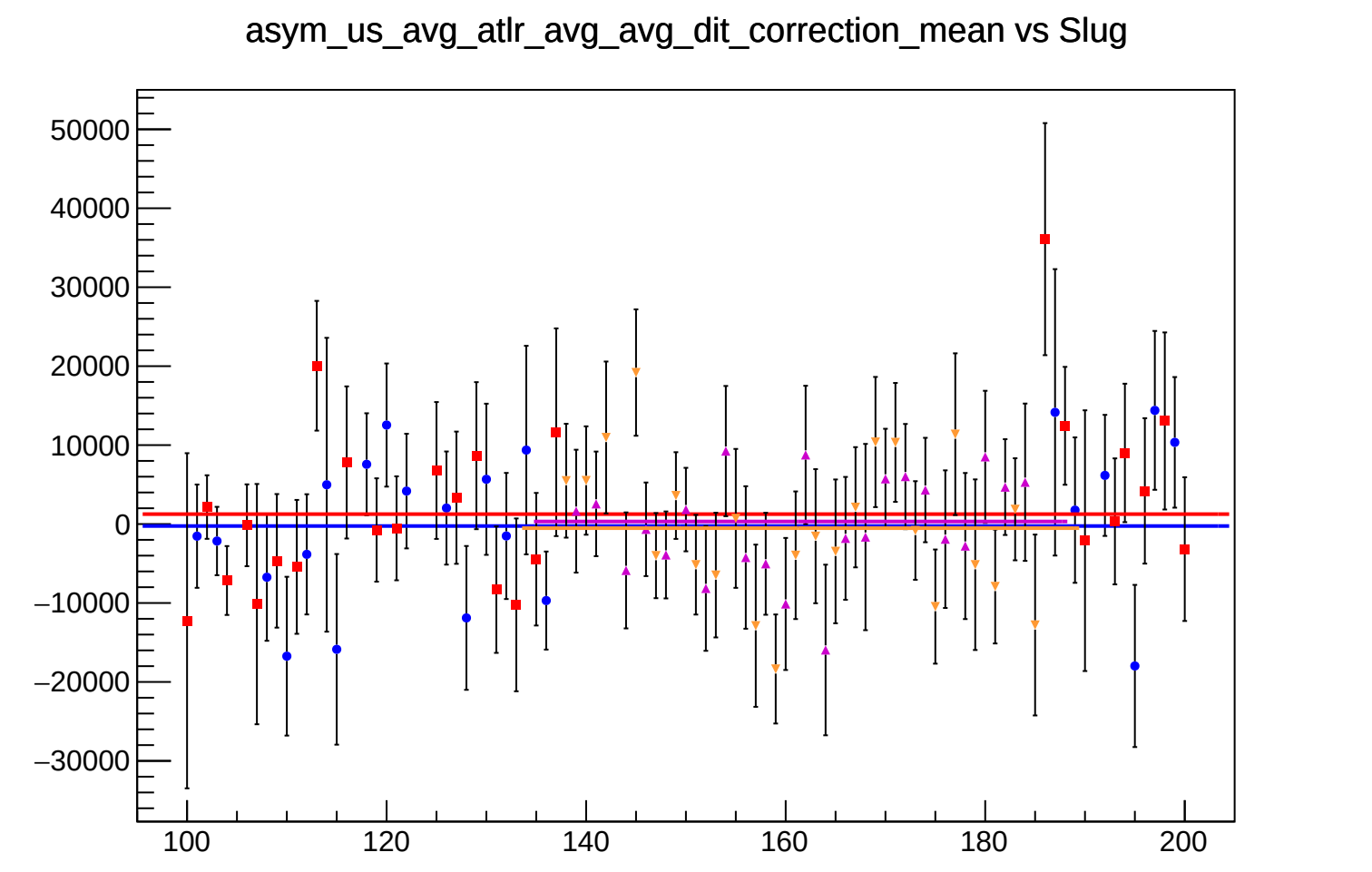
Right Out: 1889.953+/-0.371 χ^2/NDF: 160242.2/25

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1877.881+/-0.243 χ^2/NDF: 323024.1/45

All: 1877.134+/-0.170 χ^2/NDF: 512777.8/94

- sign 1876.421+/-0.237 χ^2/NDF: 189735.2/48



Right In: -248.858+/-1704.993 χ^2/NDF: 23.2/21

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

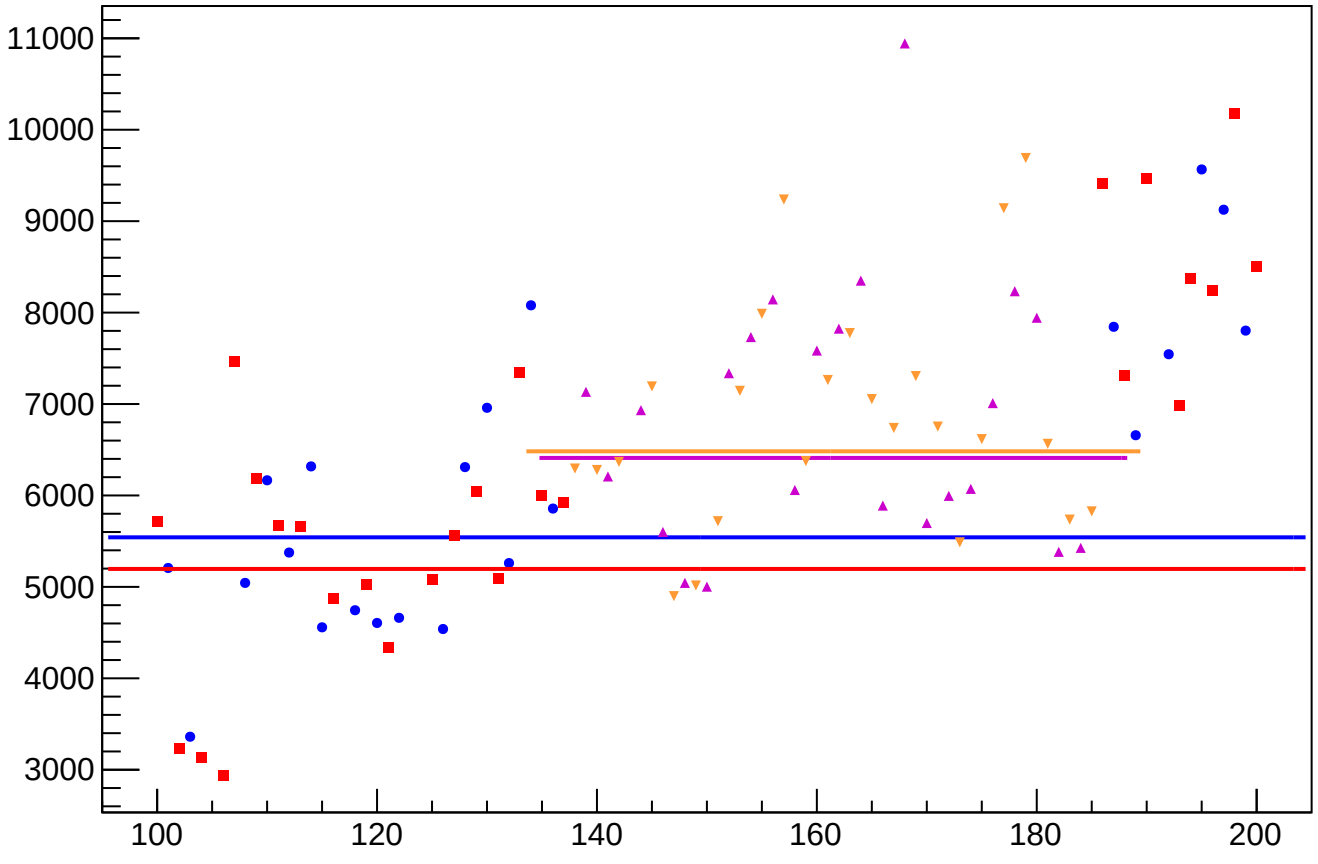
Right Out: 1257.538+/-1529.126 χ^2/NDF: 26.6/25

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -398.605+/-1141.520 χ^2/NDF: 52.4/45

All: 228.507+/-784.850 χ^2/NDF: 93.2/94

- sign 790.736+/-1080.855 χ^2/NDF: 40.2/48



Right In: 5542.093+/-1.206 χ^2/NDF: 1721425.0/21

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

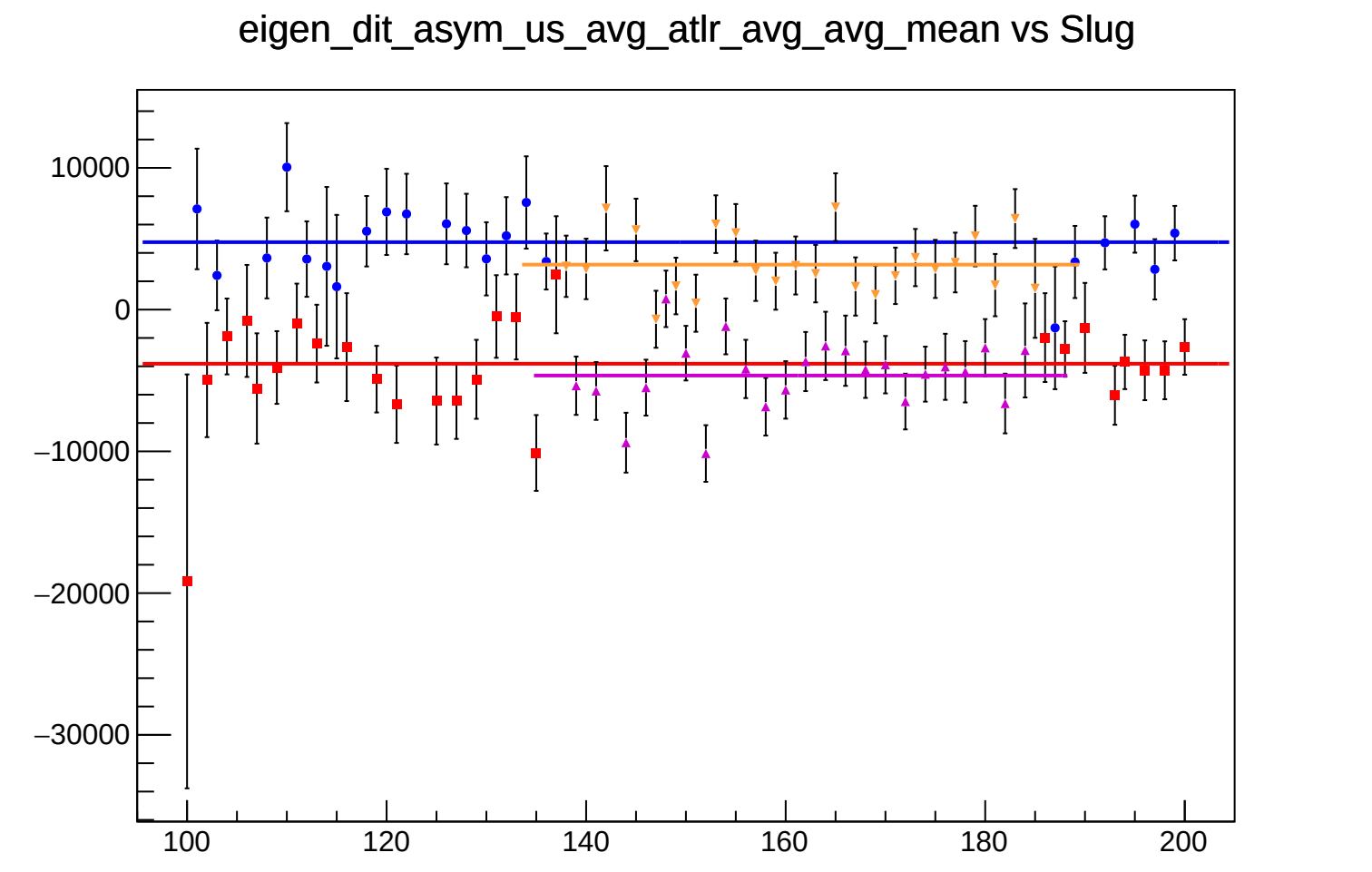
Right Out: 5196.344+/-1.081 χ^2/NDF: 3248126.7/25

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6061.088+/-0.807 χ^2/NDF: 3131878.6/45

All: 5925.442+/-0.555 χ^2/NDF: 8284244.8/94

- sign 5803.830+/-0.764 χ^2/NDF: 5098806.4/48



Right In: 4757.904+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3819.797+/-525.276 χ^2/NDF: 20.3/25

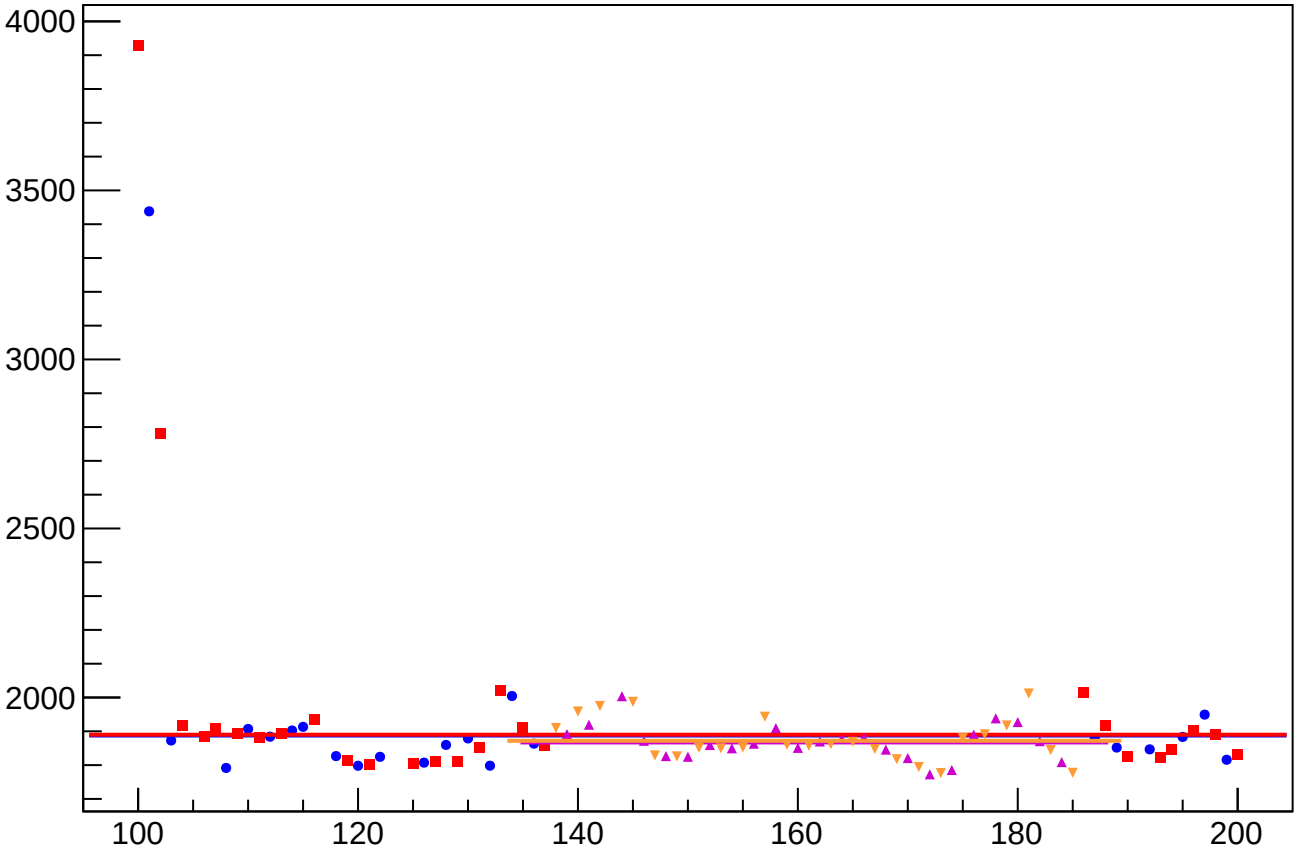
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3770.502+/-343.370 χ^2/NDF: 37.9/45

All: -363.209+/-239.997 χ^2/NDF: 373.6/94

- sign -4311.433+/-335.577 χ^2/NDF: 52.3/48

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1887.657+/-0.396 χ^2/NDF: 284890.8/21

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

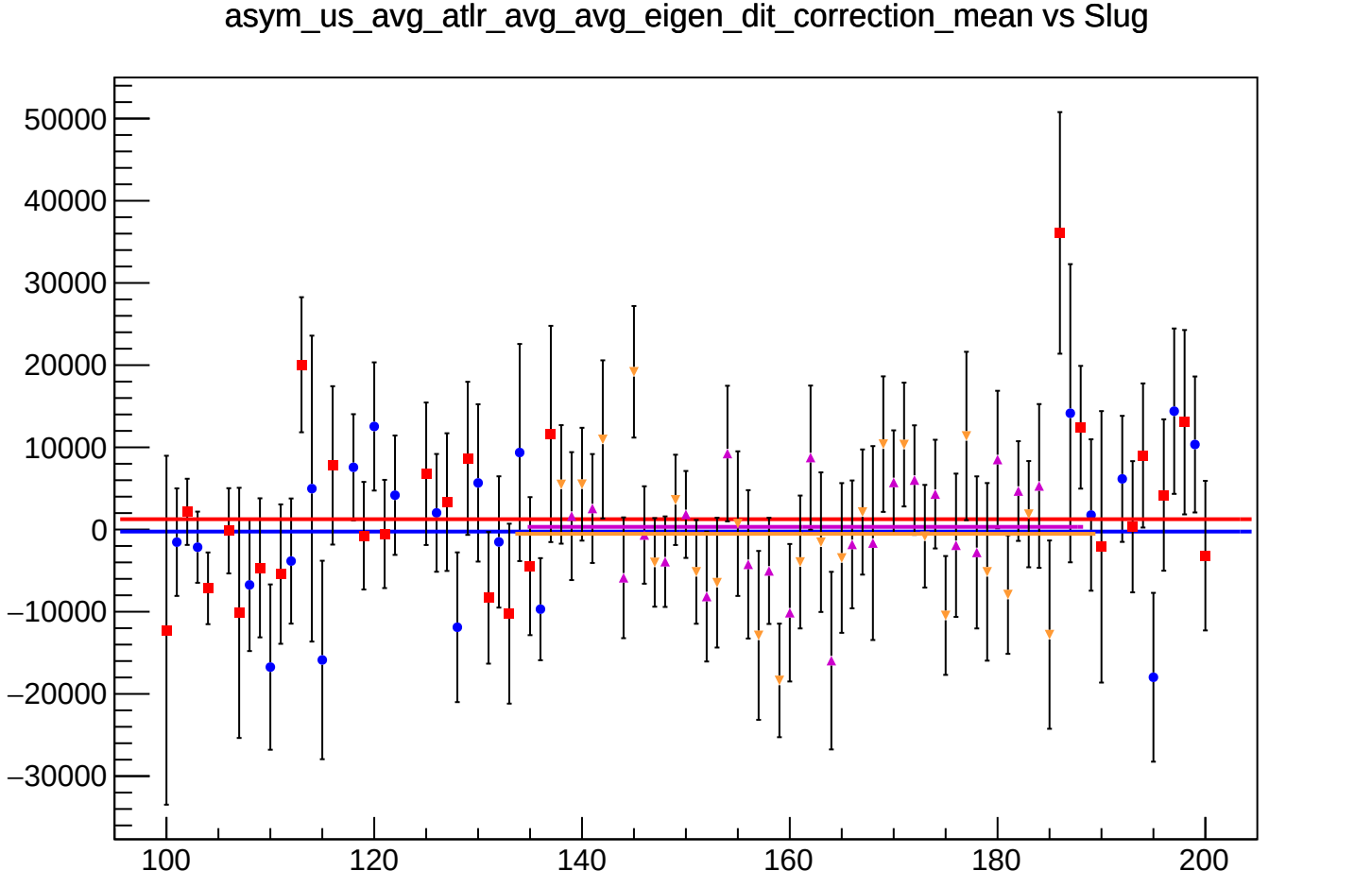
Right Out: 1889.953+/-0.371 χ^2/NDF: 160241.3/25

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1877.881+/-0.243 χ^2/NDF: 323025.1/45

All: 1877.135+/-0.170 χ^2/NDF: 512778.7/94

- sign 1876.422+/-0.237 χ^2/NDF: 189735.1/48



Right In: -248.854+/-1704.990 χ^2/NDF: 23.2/21

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

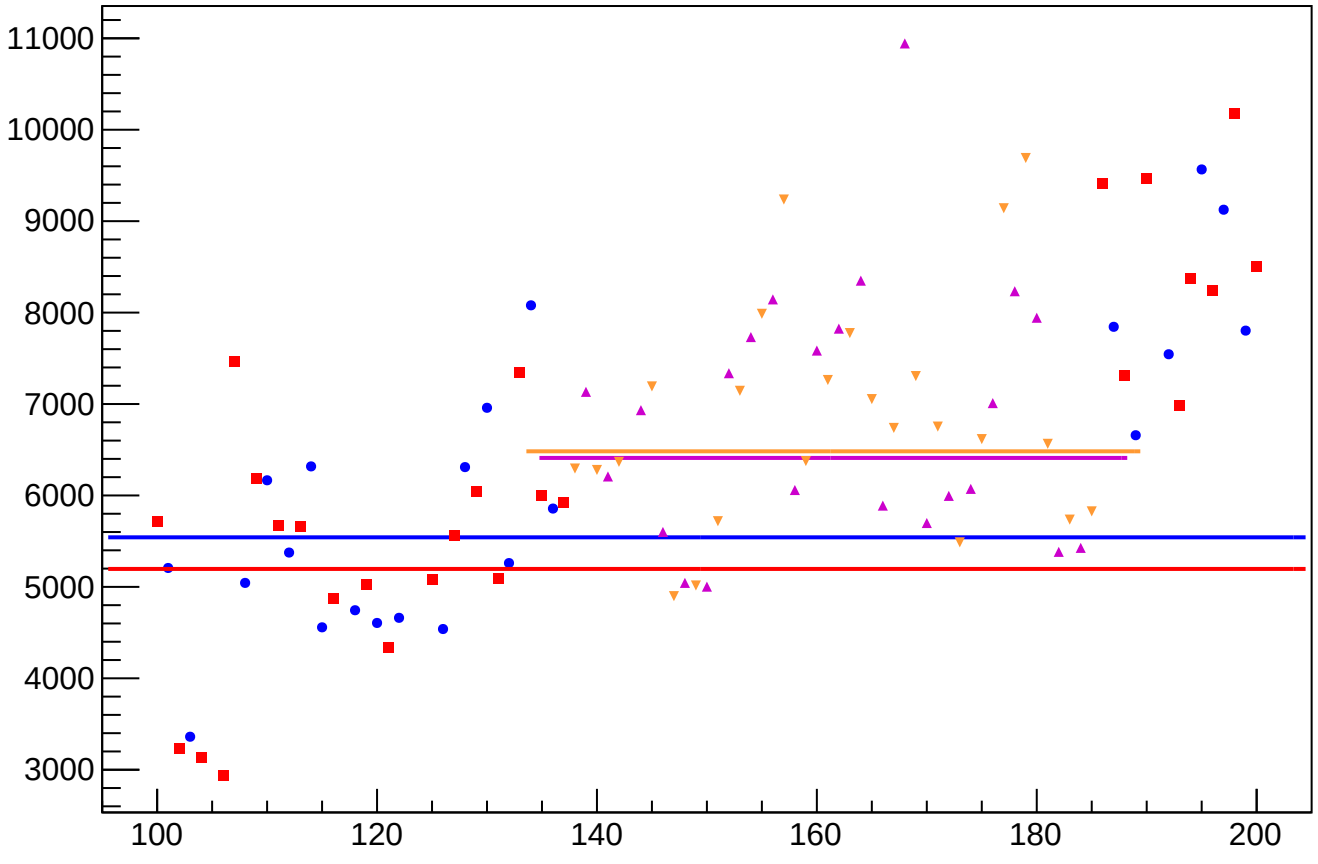
Right Out: 1257.530+/-1529.123 χ^2/NDF: 26.6/25

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -398.606+/-1141.520 χ^2/NDF: 52.4/45

All: 228.506+/-784.850 χ^2/NDF: 93.2/94

- sign 790.735+/-1080.855 χ^2/NDF: 40.2/48



Right In: 5542.081+/-1.206 χ^2/NDF: 1721442.1/21

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5196.332+/-1.081 χ^2/NDF: 3248145.1/25

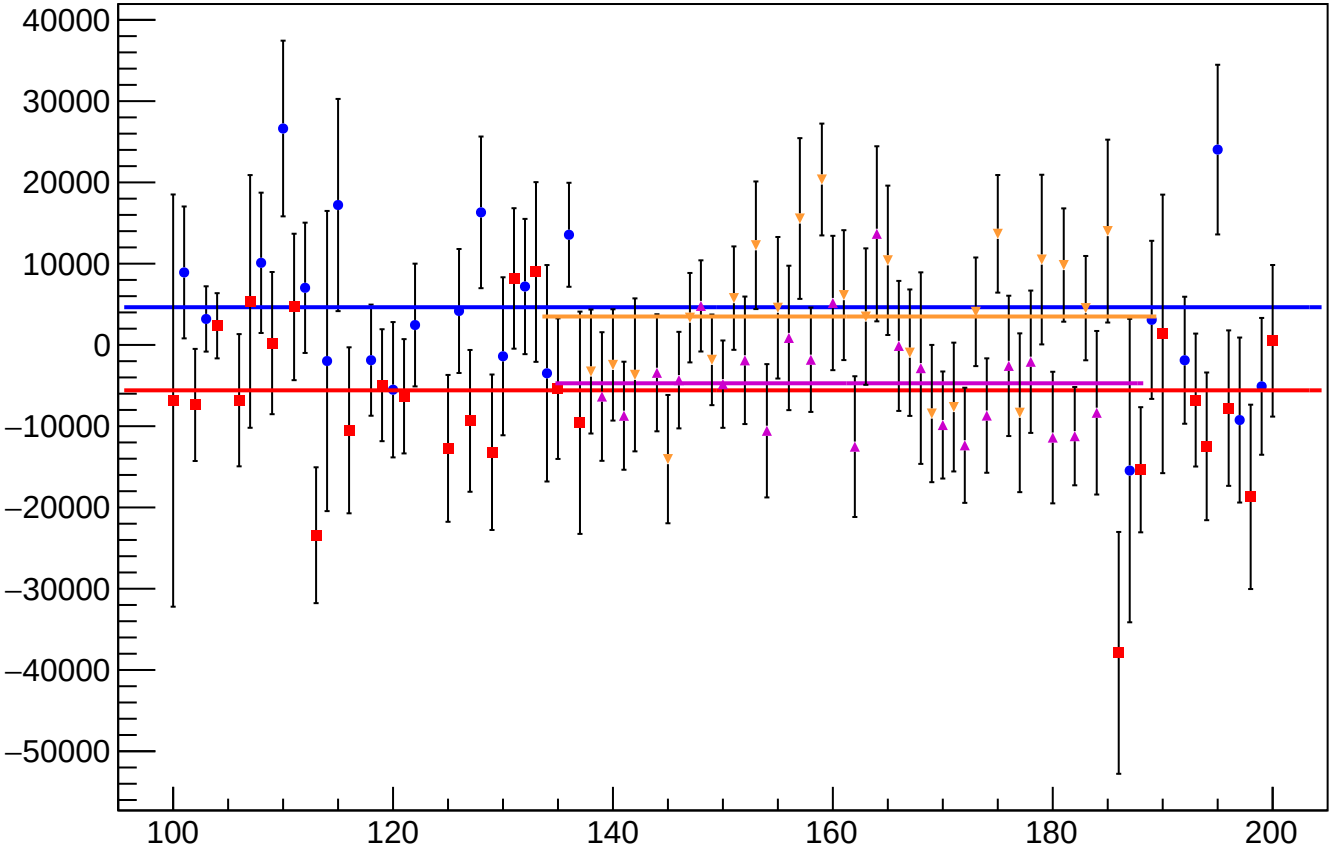
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6061.087+/-0.807 χ^2/NDF: 3131914.6/45

All: 5925.440+/-0.555 χ^2/NDF: 8284325.7/94

- sign 5803.828+/-0.764 χ^2/NDF: 5098850.6/48

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4641.150+/-1758.677 χ^2/NDF: 21.5/21

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5587.653+/-1682.795 χ^2/NDF: 25.7/25

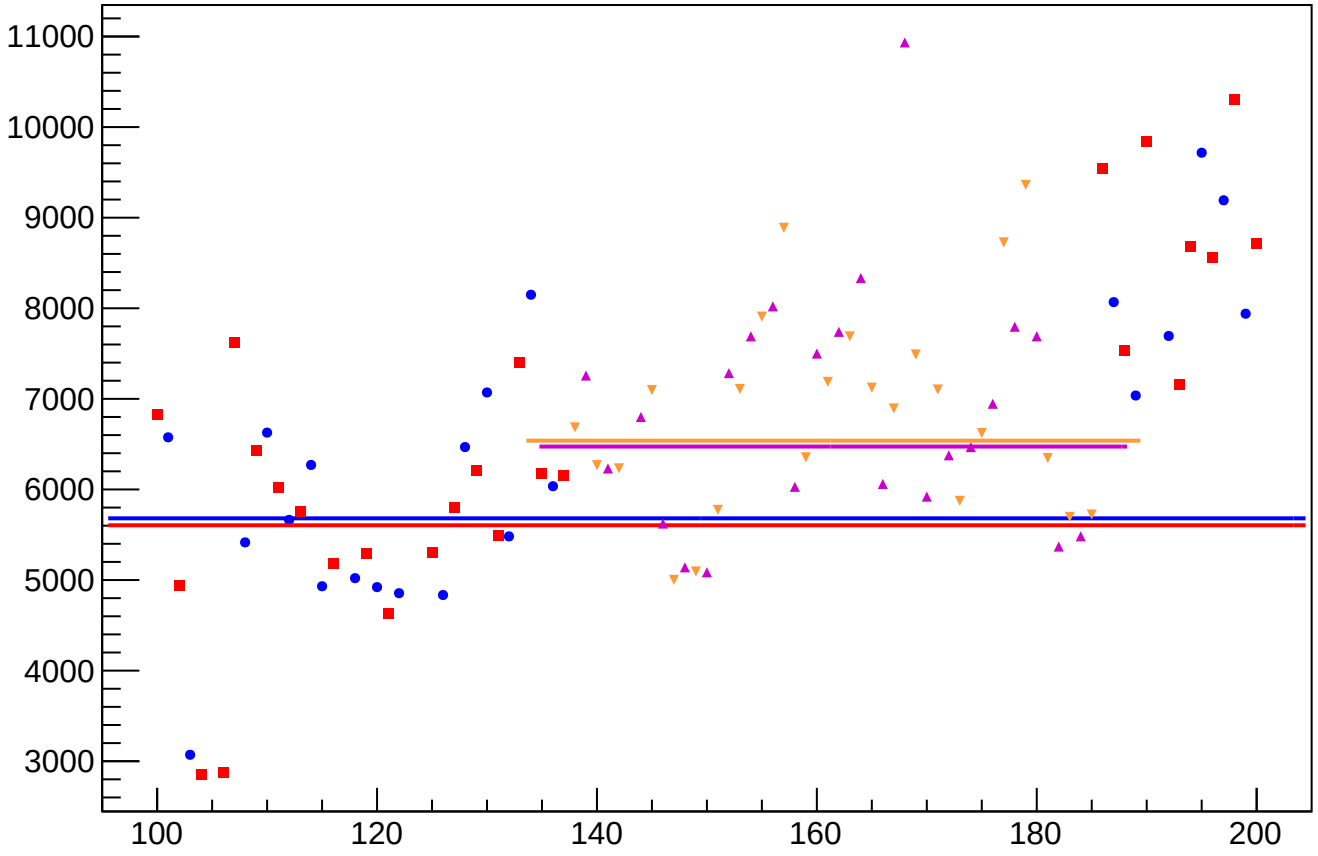
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3995.778+/-1161.070 χ^2/NDF: 49.2/45

All: -660.031+/-811.900 χ^2/NDF: 120.8/94

\- sign -5114.975+/-1135.748 χ^2/NDF: 40.2/48

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5681.191+/-1.244 χ^2/NDF: 1995028.5/21

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

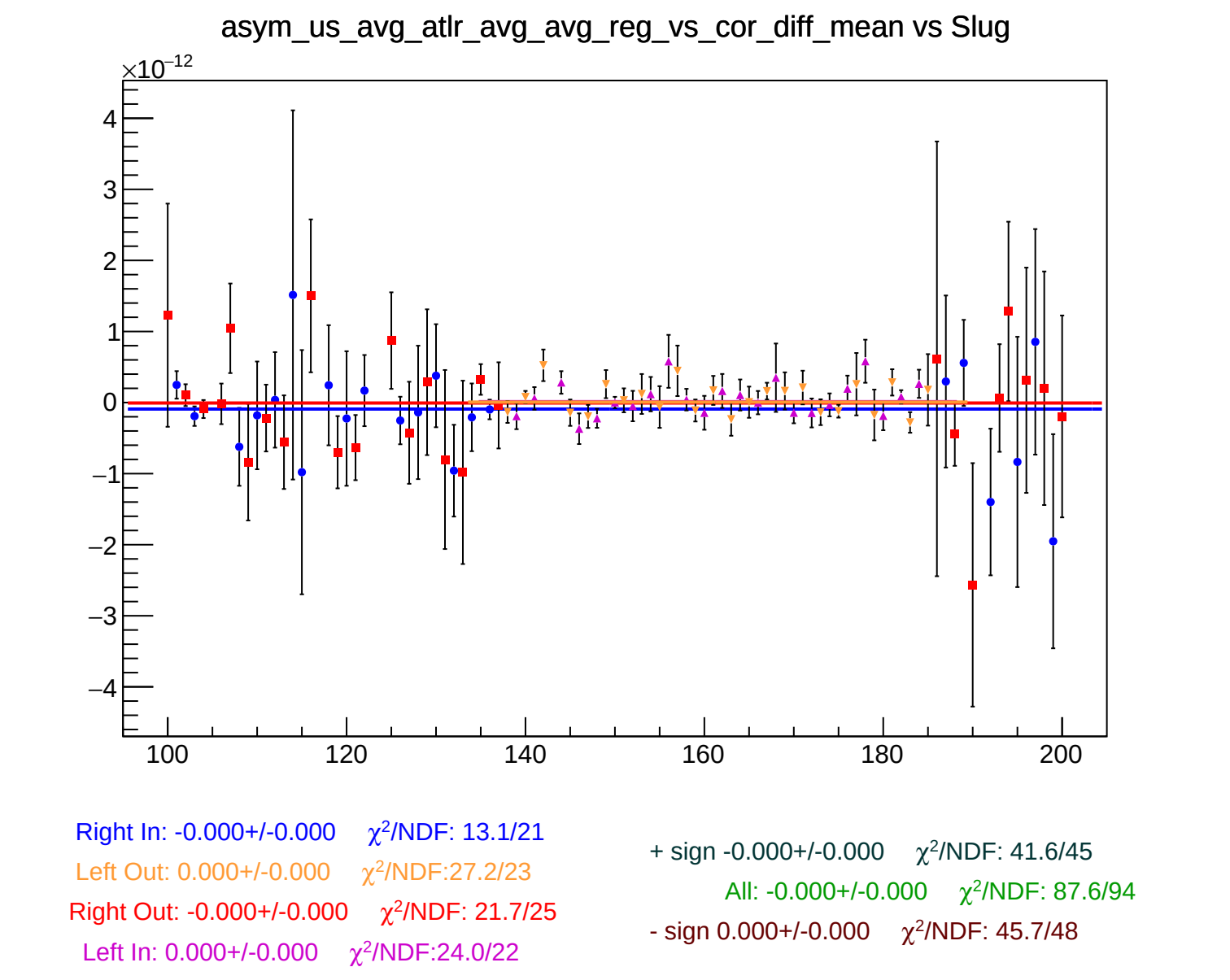
Right Out: 5604.682+/-1.171 χ^2/NDF: 2980891.7/25

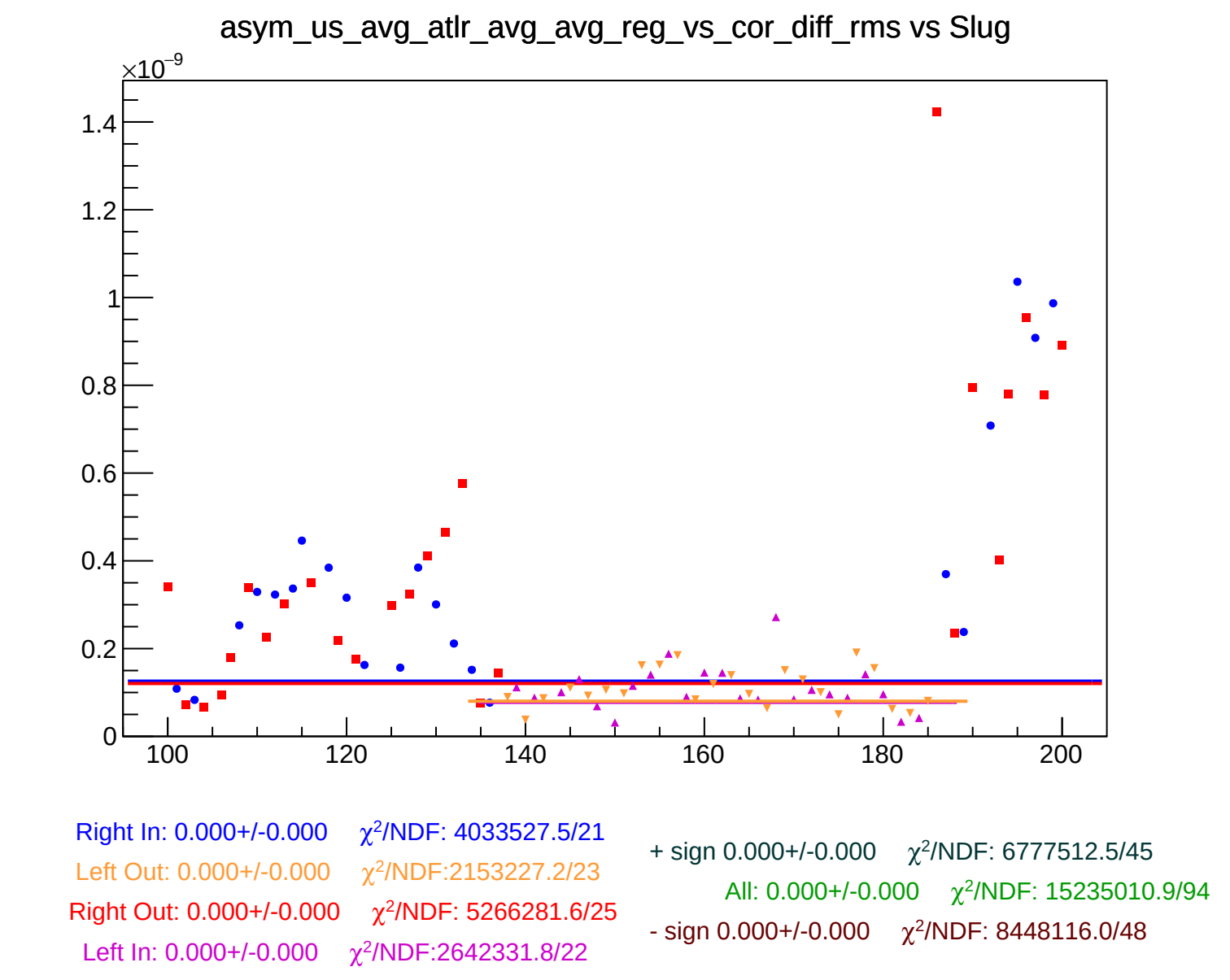
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

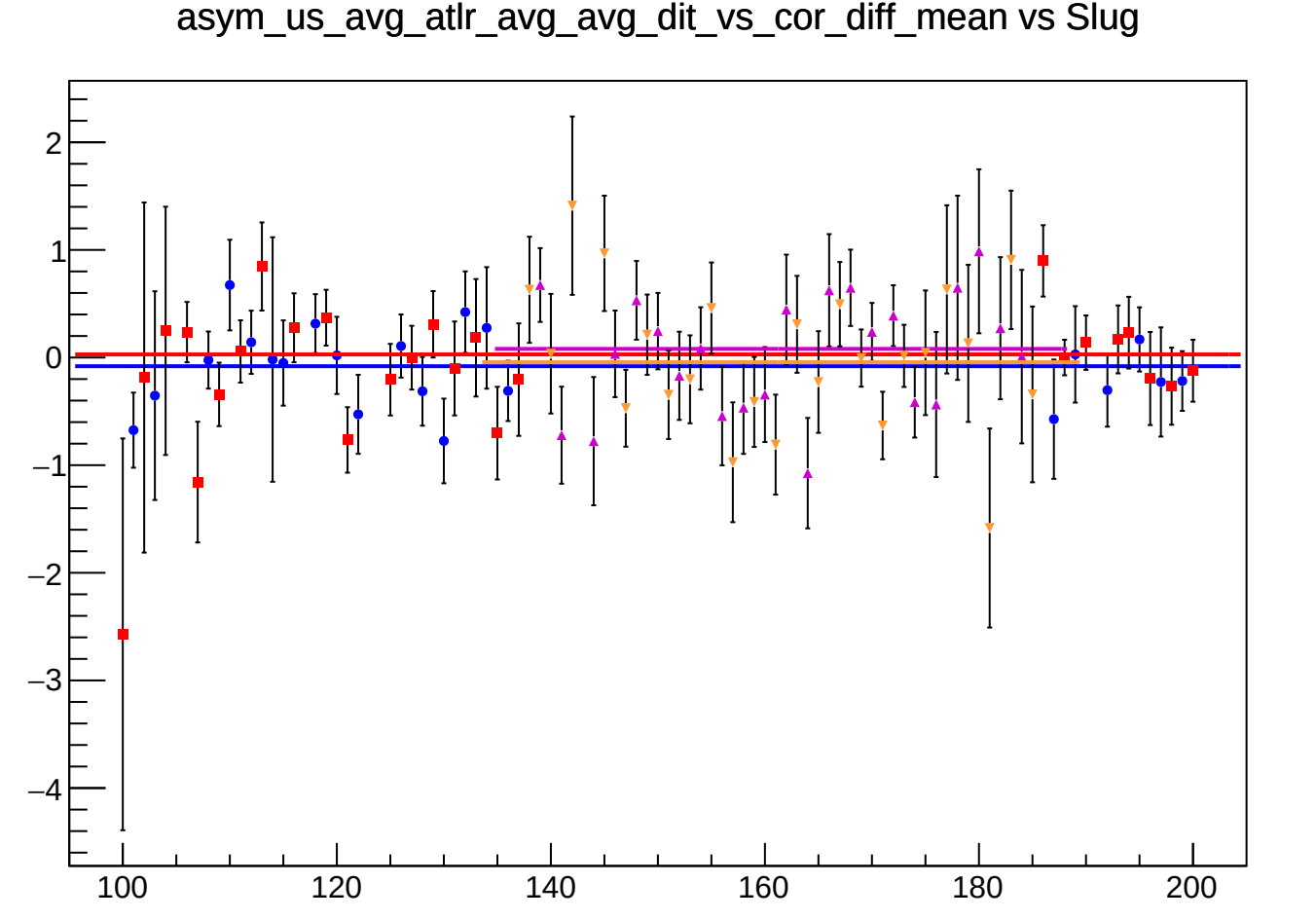
+ sign 6164.946+/-0.821 χ^2/NDF: 3183888.5/45

All: 6116.578+/-0.572 χ^2/NDF: 7538512.9/94

- sign 6070.959+/-0.797 χ^2/NDF: 4347880.0/48


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.1/21
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.7/25
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 41.6/45
All: -0.000+/-0.000 χ²/NDF: 87.6/94
- sign 0.000+/-0.000 χ²/NDF: 45.7/48


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4033527.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5266281.6/25
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6777512.5/45
All: 0.000+/-0.000 χ²/NDF: 15235010.9/94
- sign 0.000+/-0.000 χ²/NDF: 8448116.0/48



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

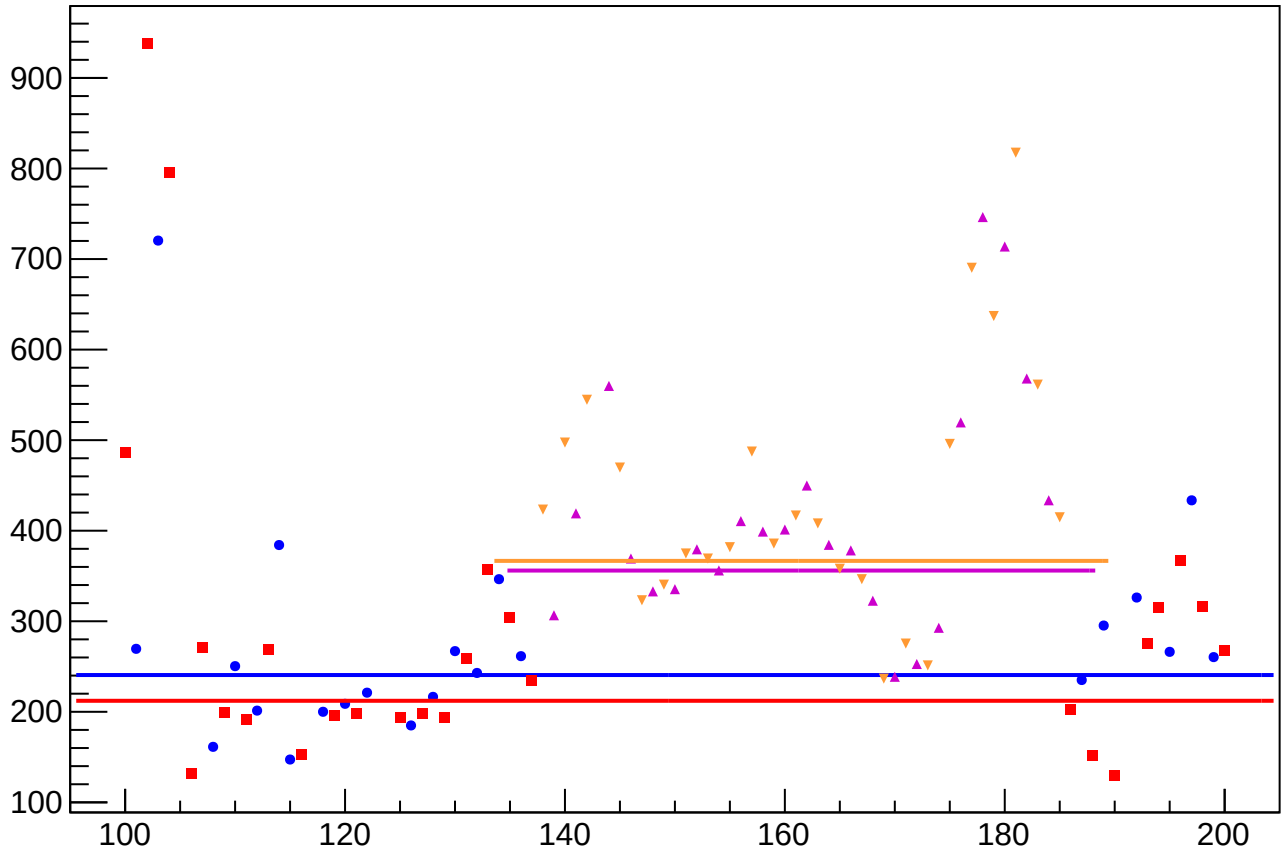
Right Out: 0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.058 χ^2/NDF: 50.7/45

All: -0.003+/-0.039 χ^2/NDF: 118.7/94

- sign 0.047+/-0.052 χ^2/NDF: 65.9/48



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

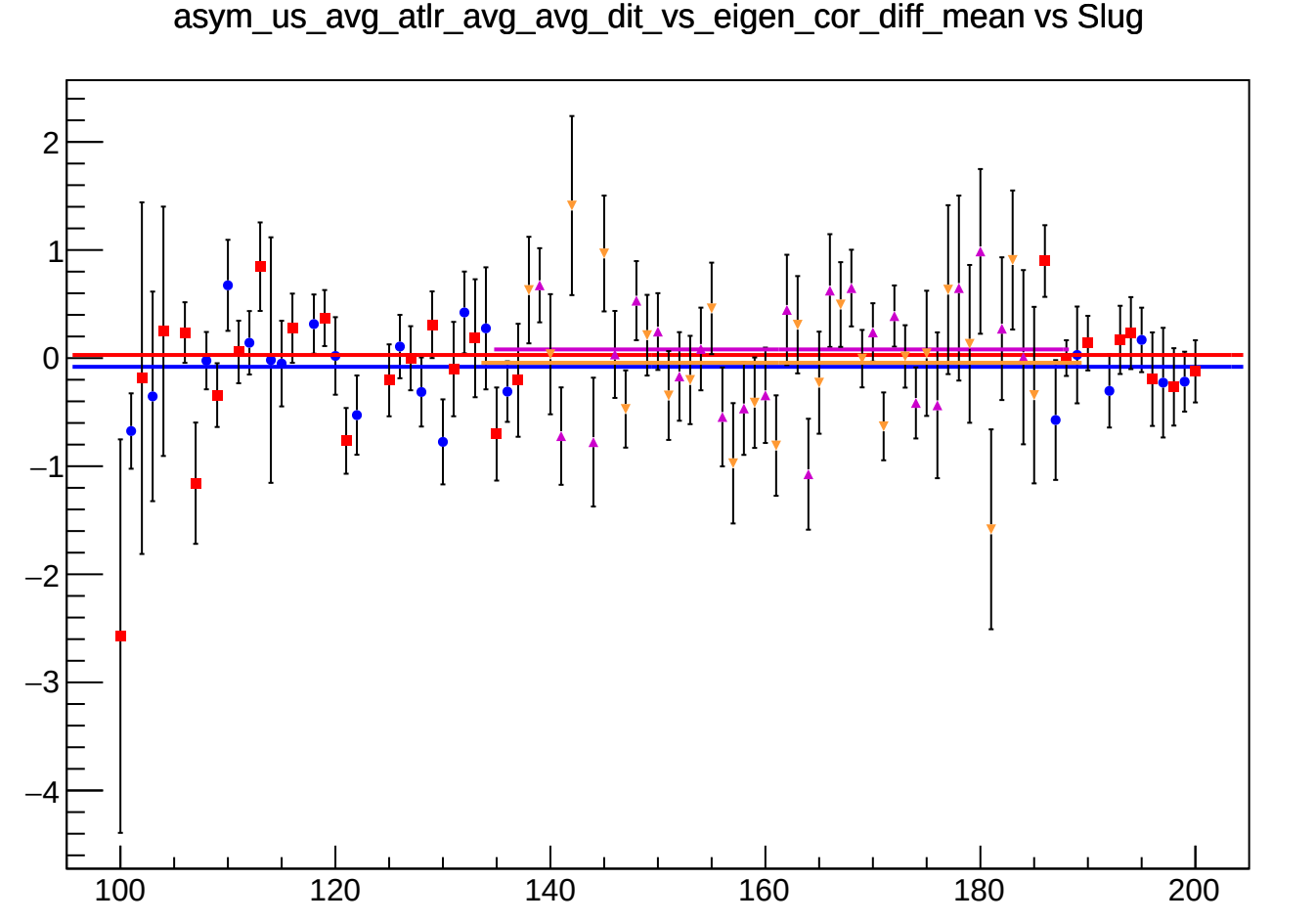
Right Out: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.916+/-0.041 χ^2/NDF: 6687056.7/45

All: 276.396+/-0.028 χ^2/NDF: 15668074.6/94

- sign 263.117+/-0.037 χ^2/NDF: 8691007.7/48



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

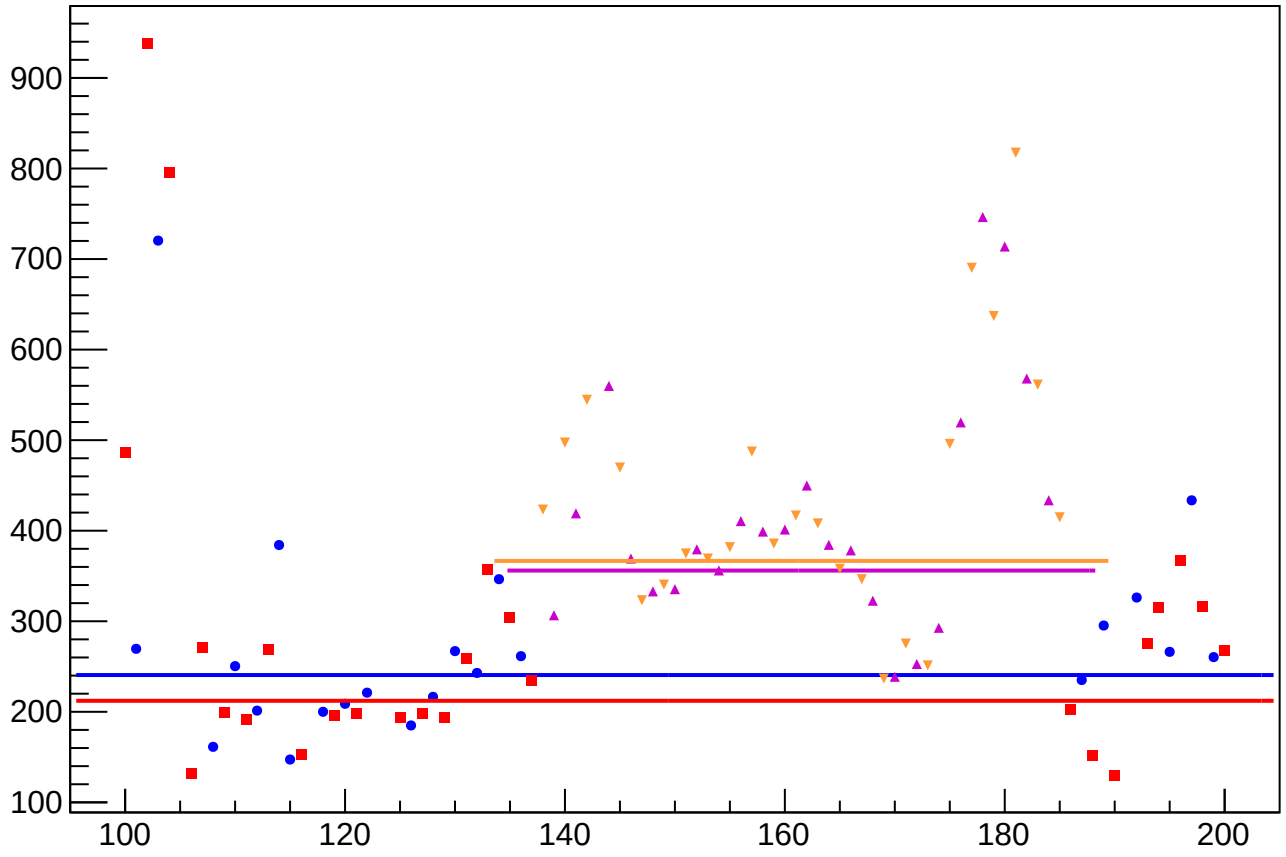
Right Out: 0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.058 χ^2/NDF: 50.7/45

All: -0.003+/-0.039 χ^2/NDF: 118.7/94

- sign 0.047+/-0.052 χ^2/NDF: 65.9/48



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

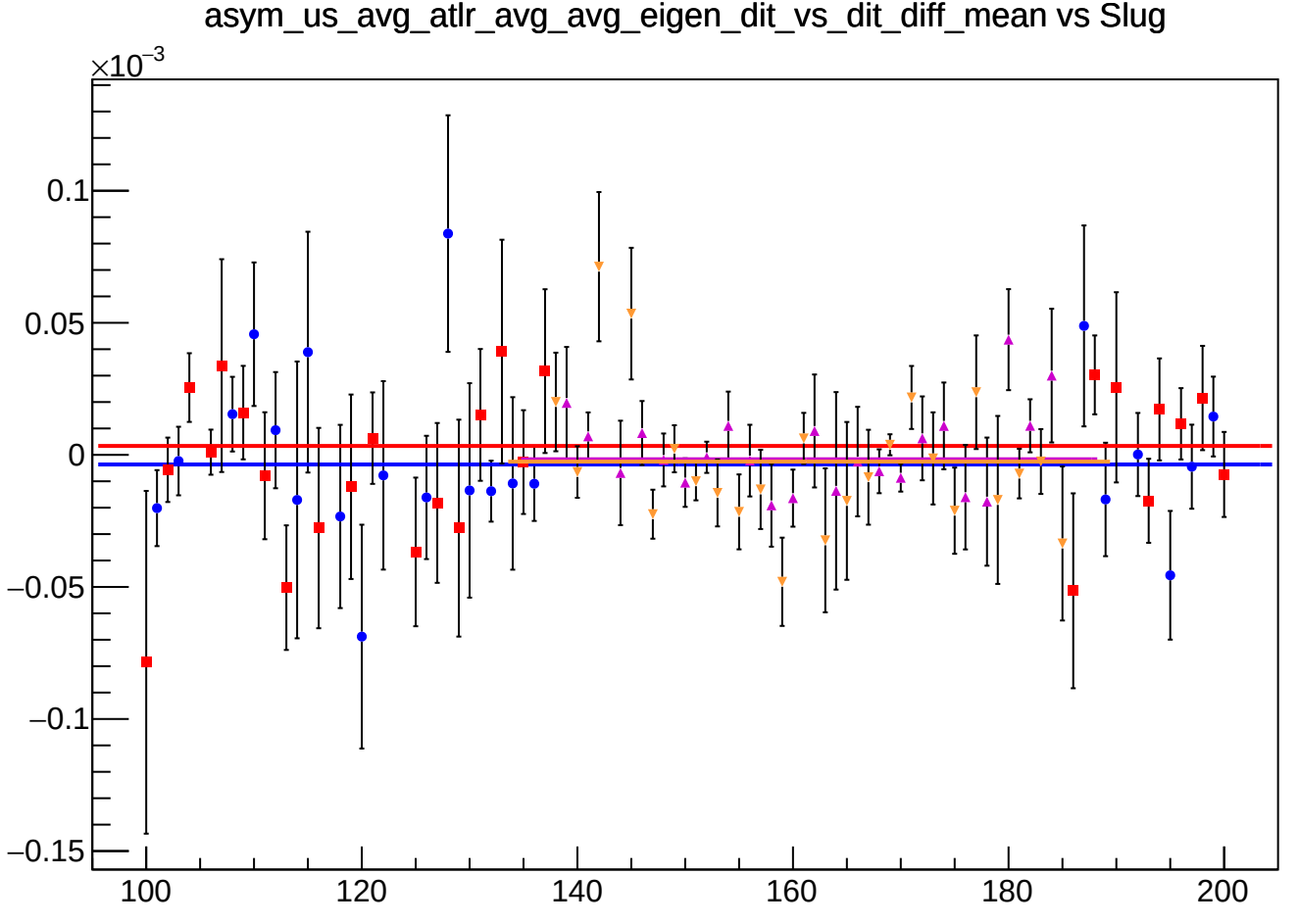
Right Out: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.916+/-0.041 χ^2/NDF: 6687056.7/45

All: 276.396+/-0.028 χ^2/NDF: 15668074.6/94

- sign 263.117+/-0.037 χ^2/NDF: 8691007.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

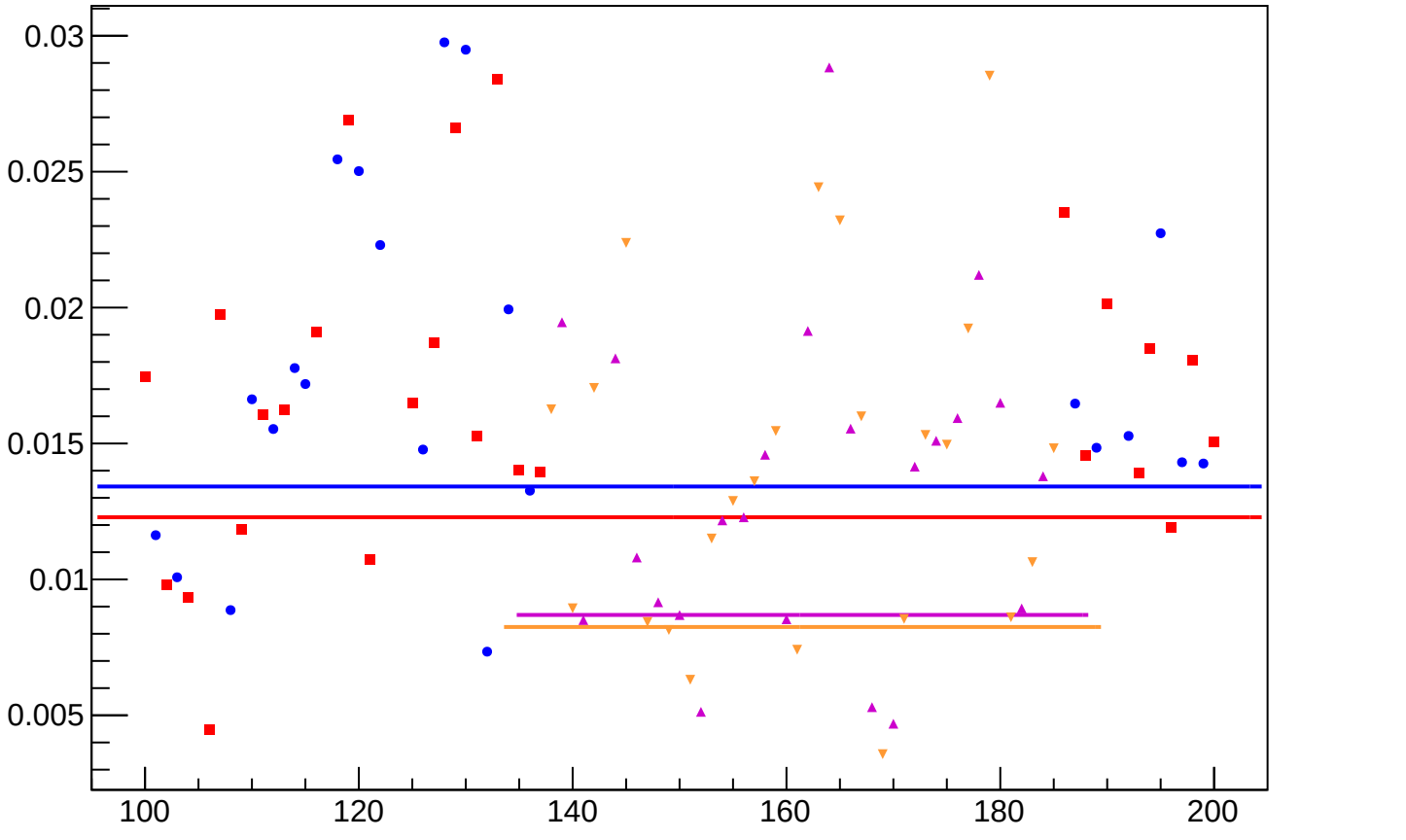
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/25

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/45

All: -0.000+/-0.000 χ^2/NDF: 116.0/94

- sign -0.000+/-0.000 χ^2/NDF: 49.2/48



Right In: 0.013+/-0.000 χ^2/NDF: 2535259.9/21

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

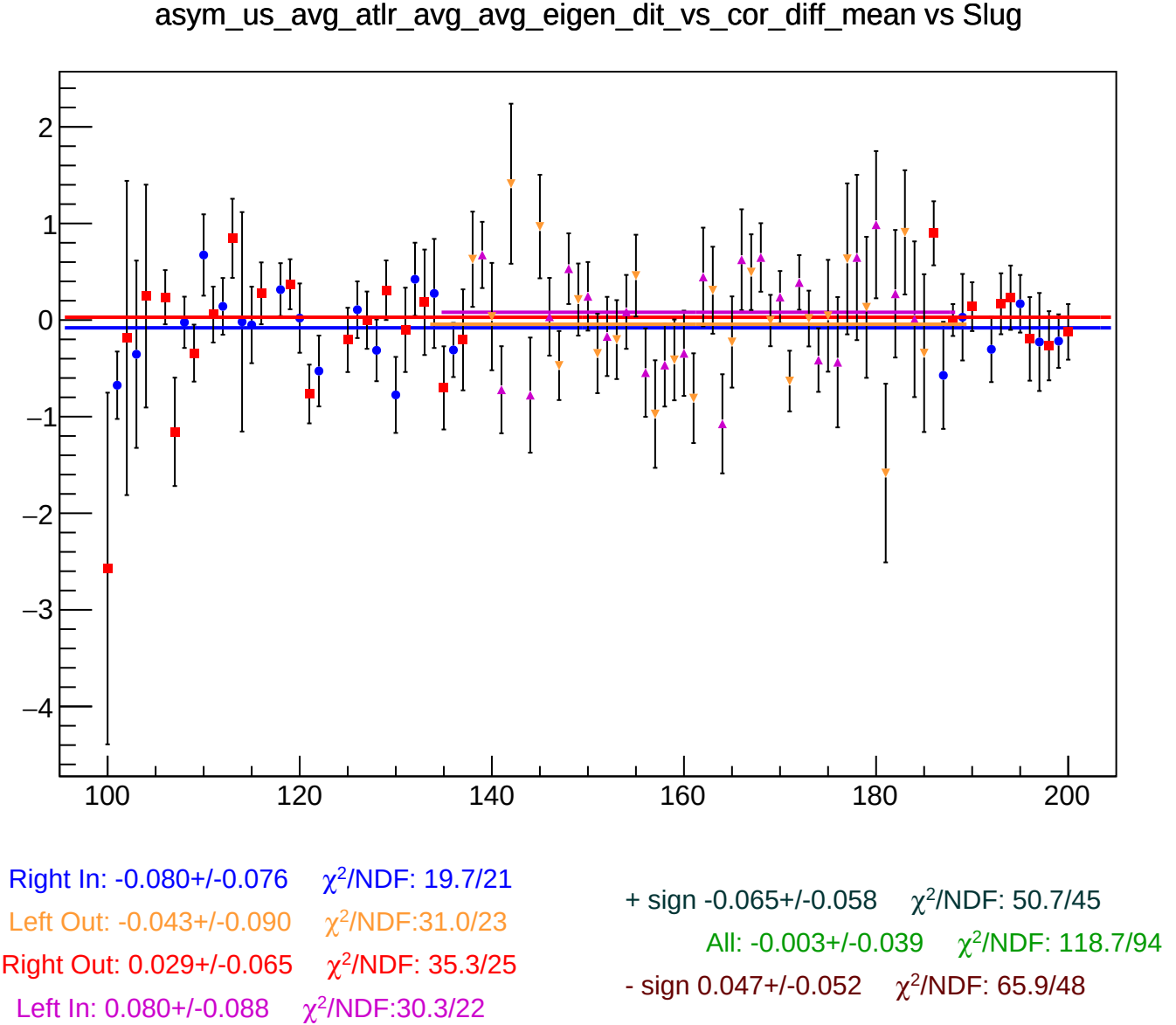
Right Out: 0.012+/-0.000 χ^2/NDF: 3985054.4/25

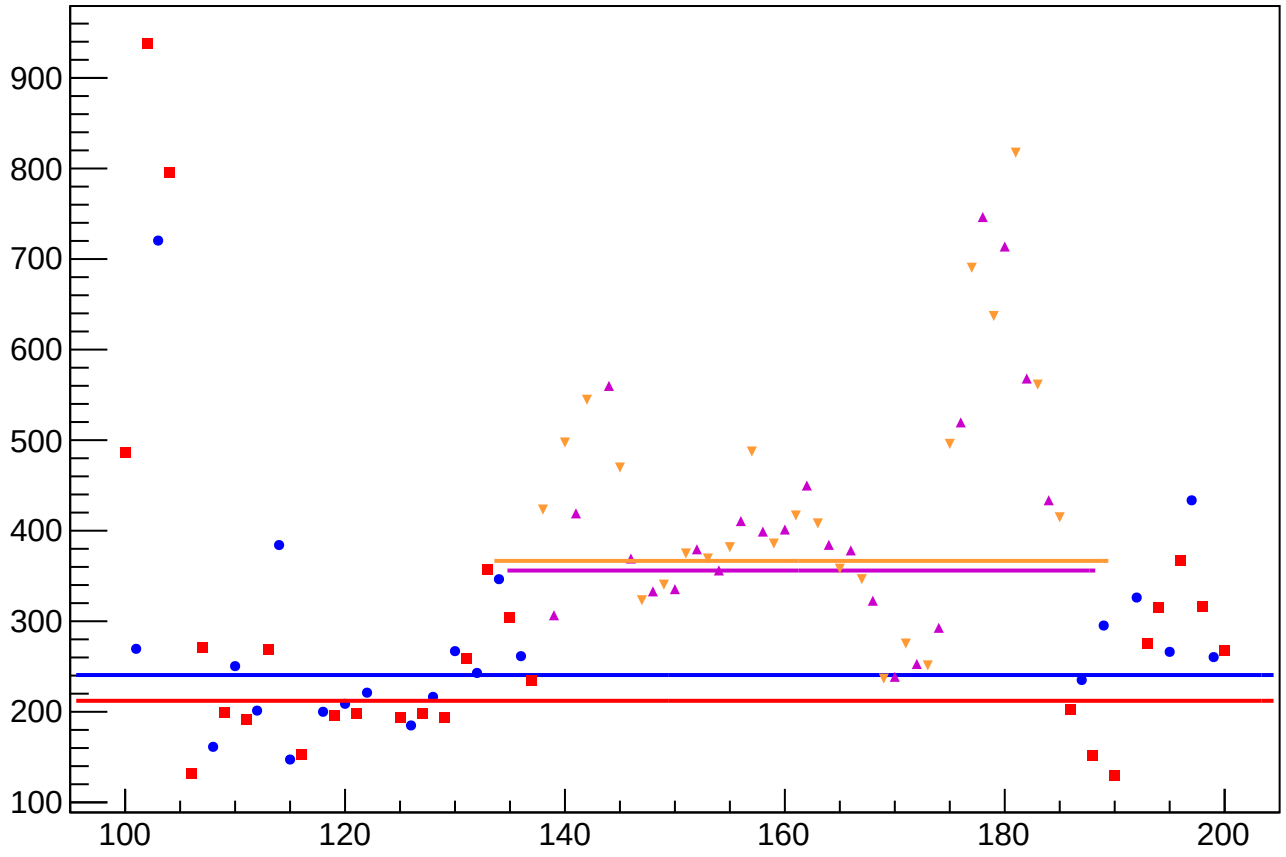
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 13724629.8/45

All: 0.010+/-0.000 χ^2/NDF: 25941479.0/94

- sign 0.010+/-0.000 χ^2/NDF: 12191146.4/48


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.080+/-0.076 χ²/NDF: 19.7/21
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.029+/-0.065 χ²/NDF: 35.3/25
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.058 χ²/NDF: 50.7/45
All: -0.003+/-0.039 χ²/NDF: 118.7/94
- sign 0.047+/-0.052 χ²/NDF: 65.9/48



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

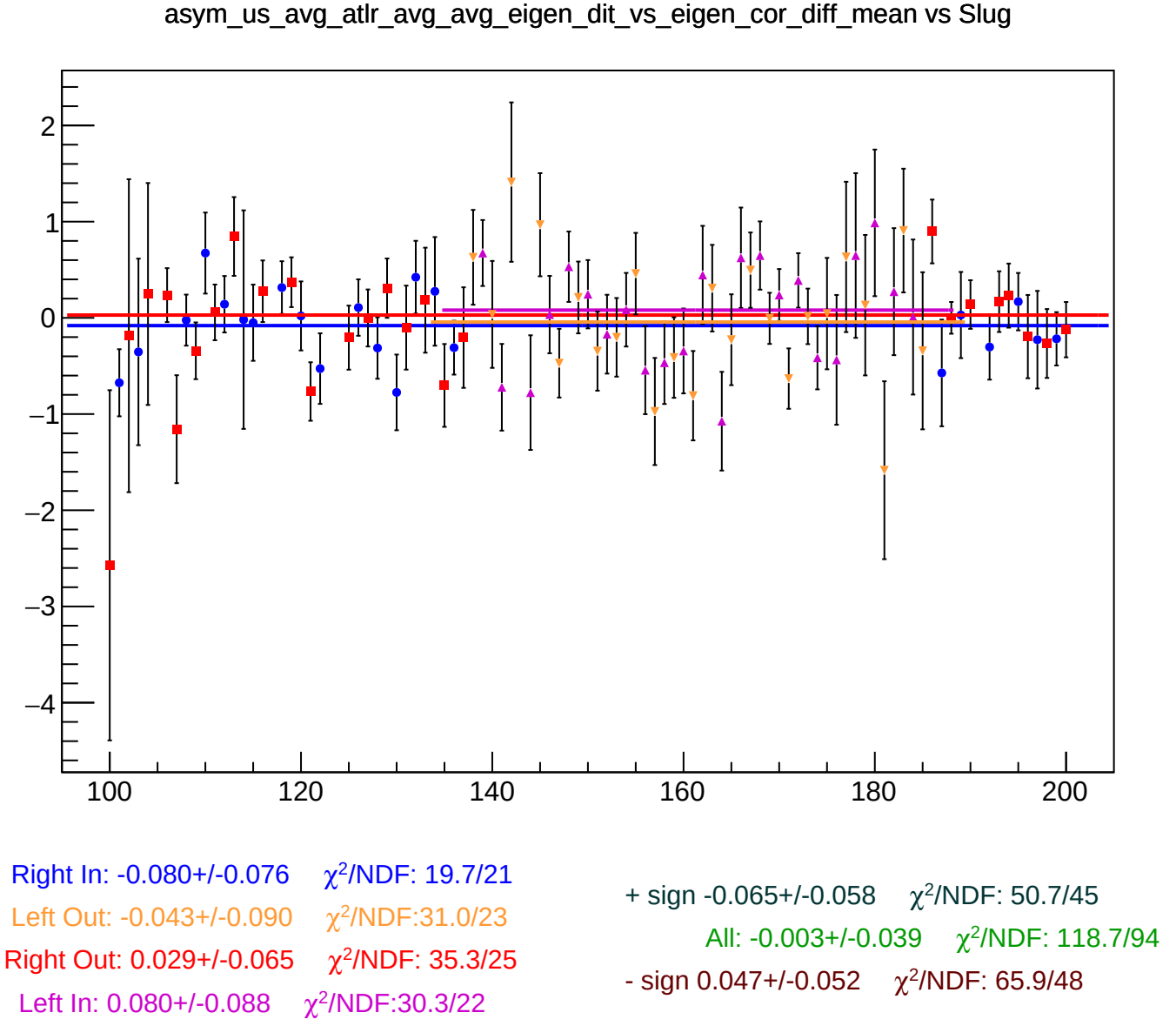
Right Out: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

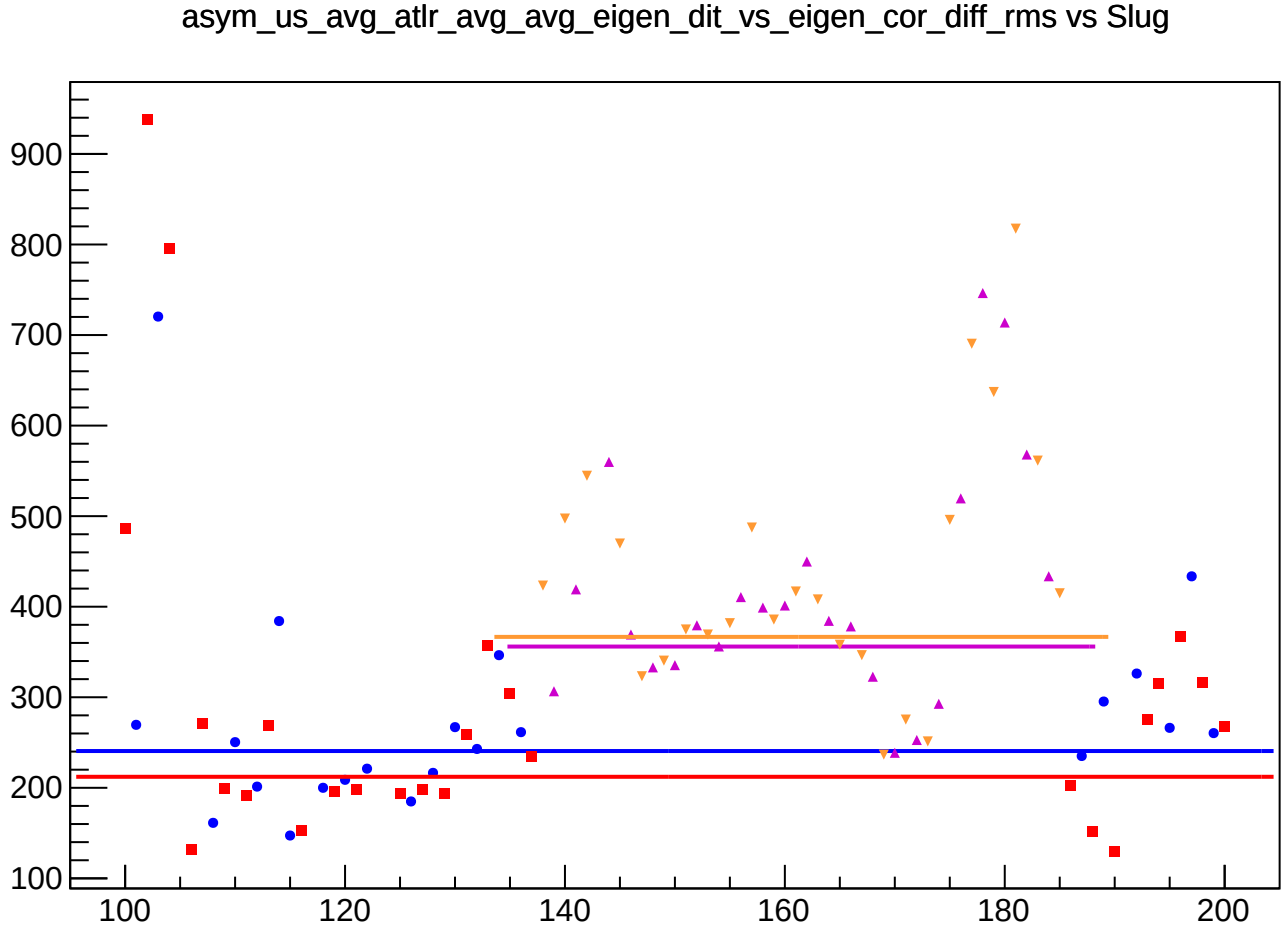
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.915+/-0.041 χ^2/NDF: 6687334.3/45

All: 276.394+/-0.028 χ^2/NDF: 15668811.4/94

- sign 263.115+/-0.037 χ^2/NDF: 8691436.6/48


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.080+/-0.076 χ²/NDF: 19.7/21
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.029+/-0.065 χ²/NDF: 35.3/25
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.058 χ²/NDF: 50.7/45
All: -0.003+/-0.039 χ²/NDF: 118.7/94
- sign 0.047+/-0.052 χ²/NDF: 65.9/48



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

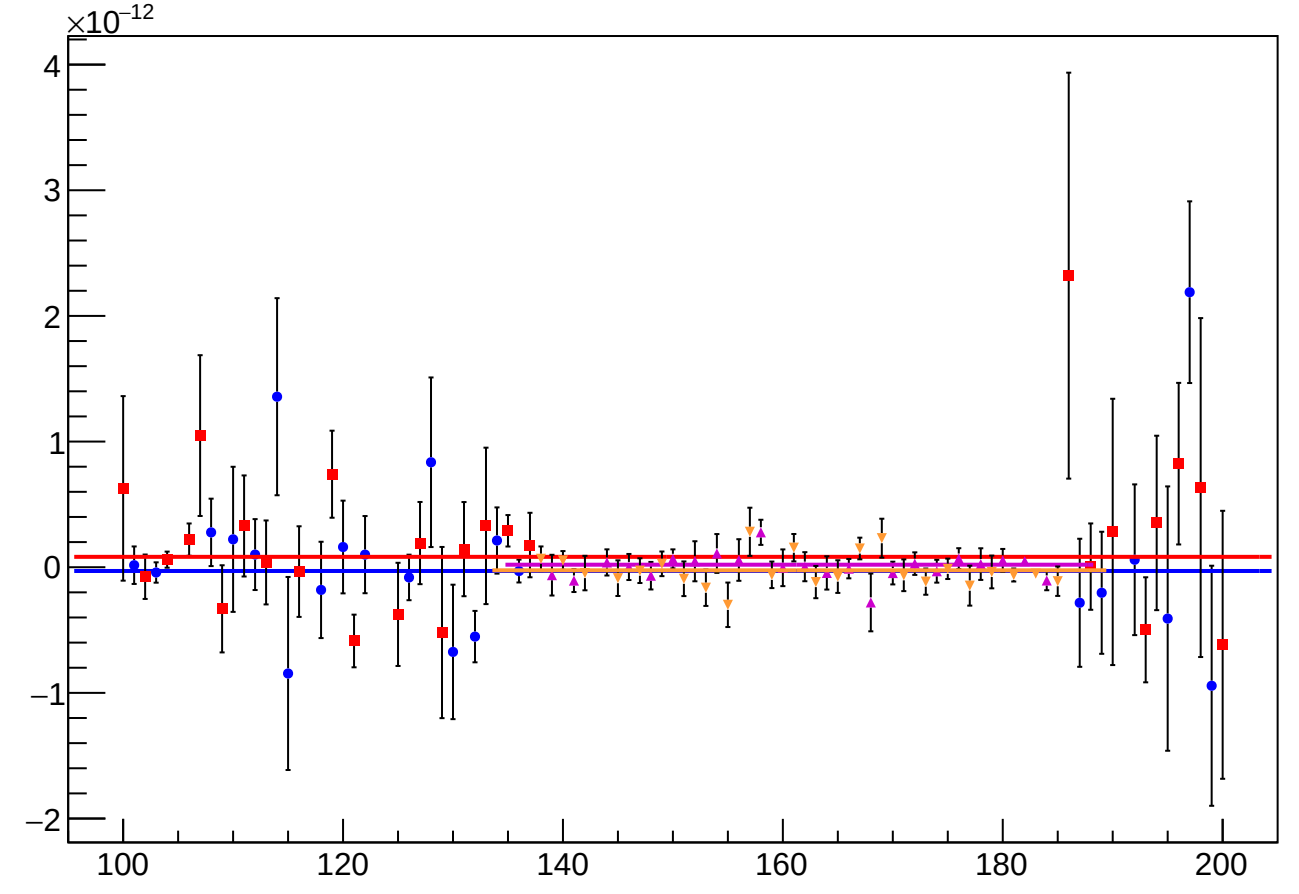
Right Out: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.915+/-0.041 χ^2/NDF: 6687334.3/45

All: 276.394+/-0.028 χ^2/NDF: 15668811.4/94

- sign 263.115+/-0.037 χ^2/NDF: 8691436.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

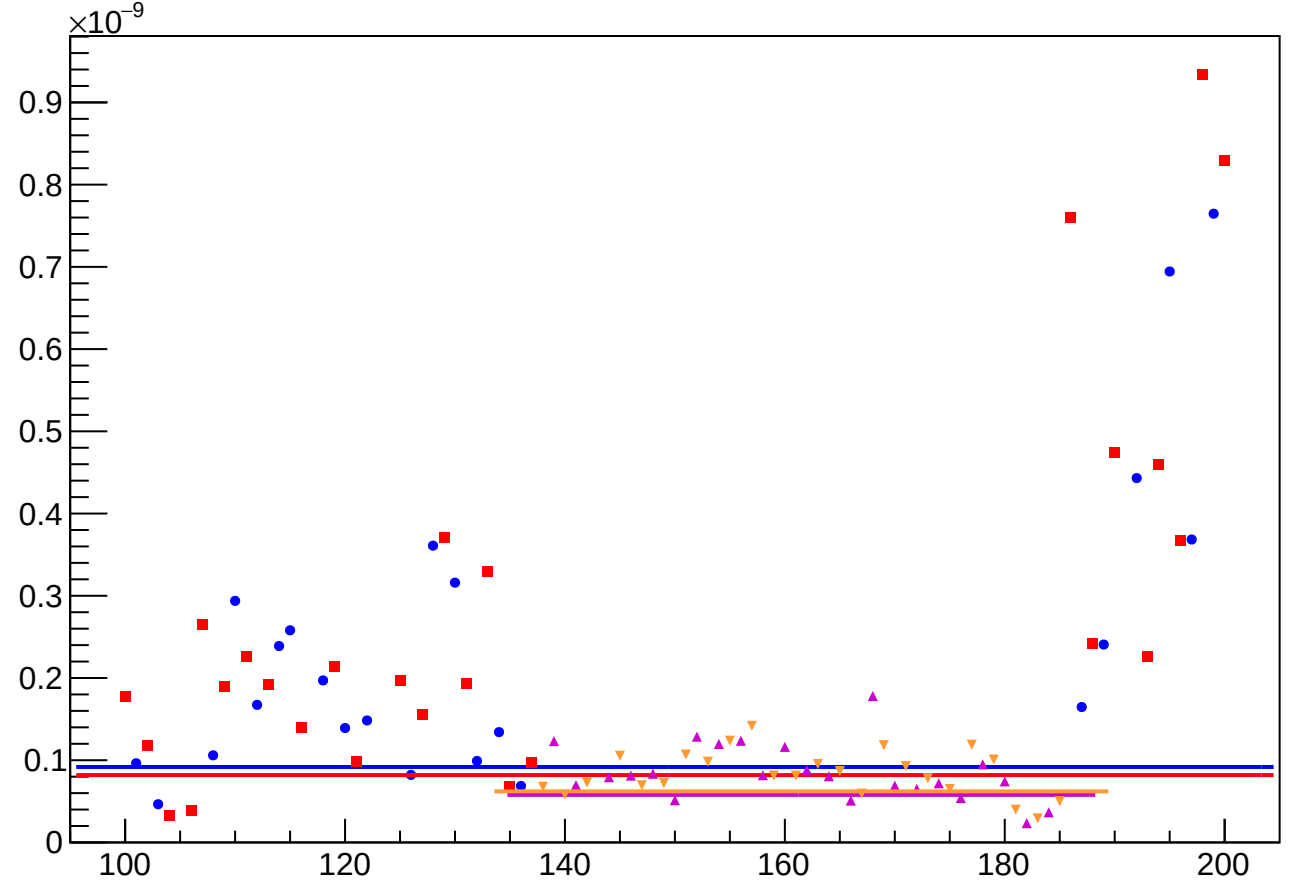
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/25

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/45

All: 0.000+/-0.000 χ^2/NDF: 105.8/94

- sign 0.000+/-0.000 χ^2/NDF: 50.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 5152682.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7918761.2/25

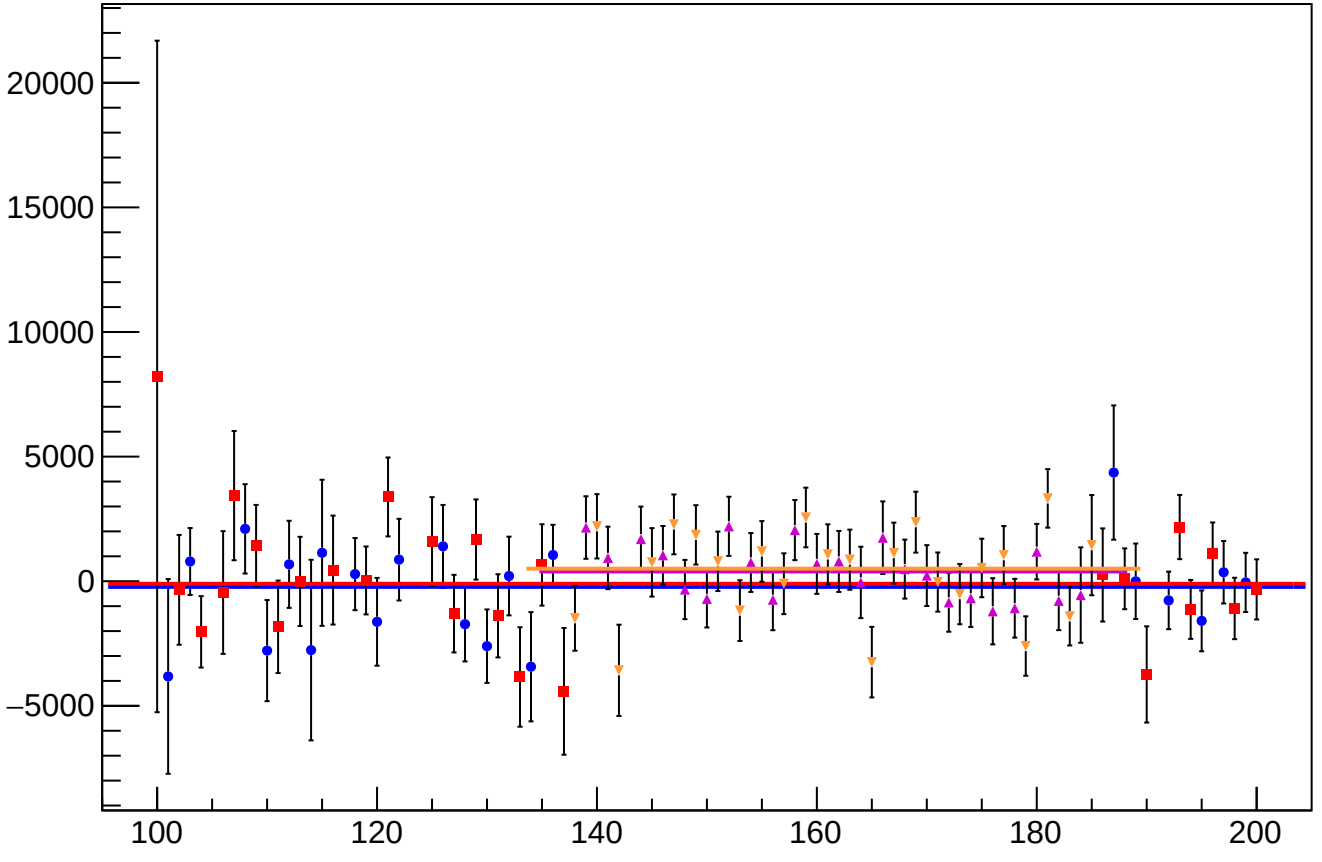
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9952299.5/45

All: 0.000+/-0.000 χ^2/NDF: 23987177.8/94

- sign 0.000+/-0.000 χ^2/NDF: 13953612.6/48

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.563+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -103.930+/-317.729 χ^2/NDF: 29.7/25

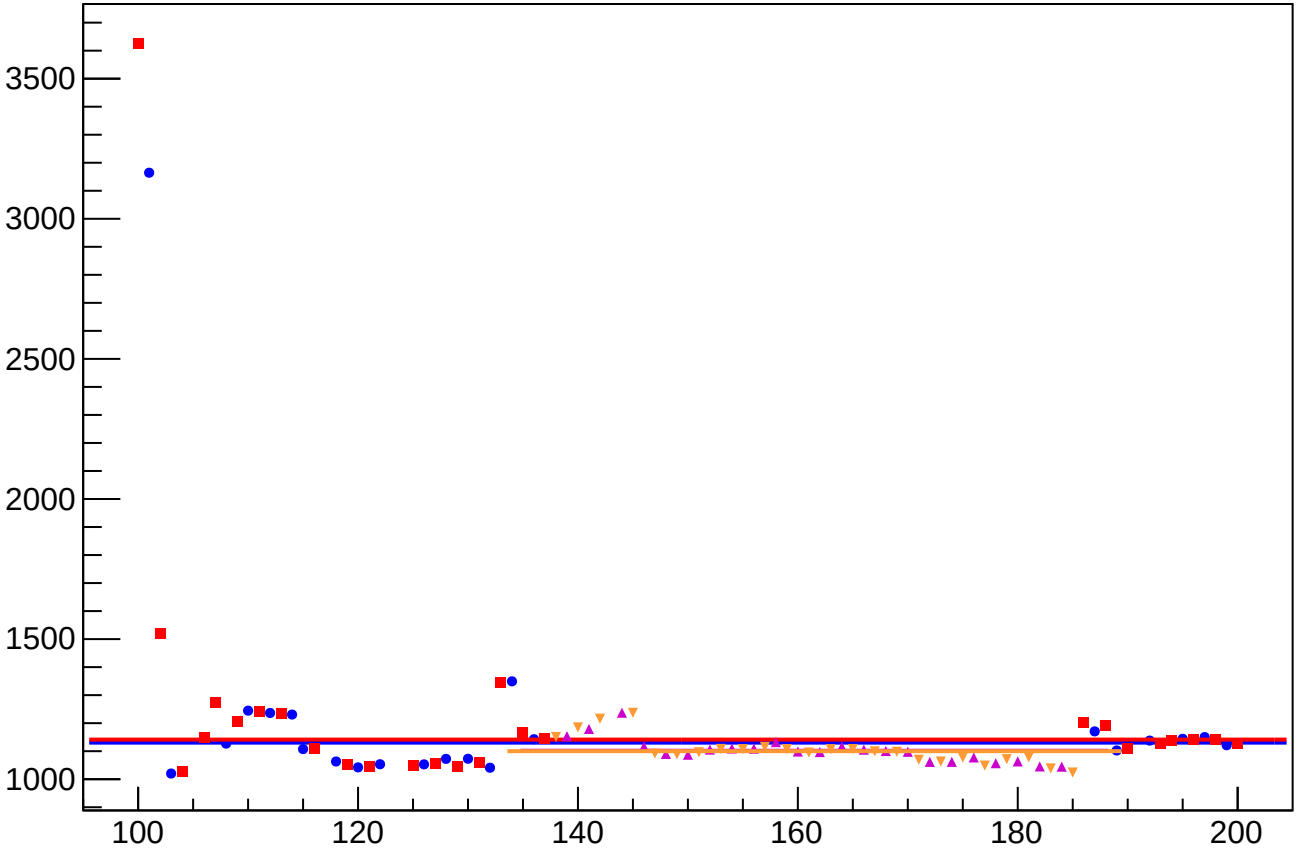
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 238.088+/-203.763 χ^2/NDF: 66.9/45

All: 216.306+/-142.732 χ^2/NDF: 116.0/94

- sign 195.323+/-199.998 χ^2/NDF: 49.0/48

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623535.8/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

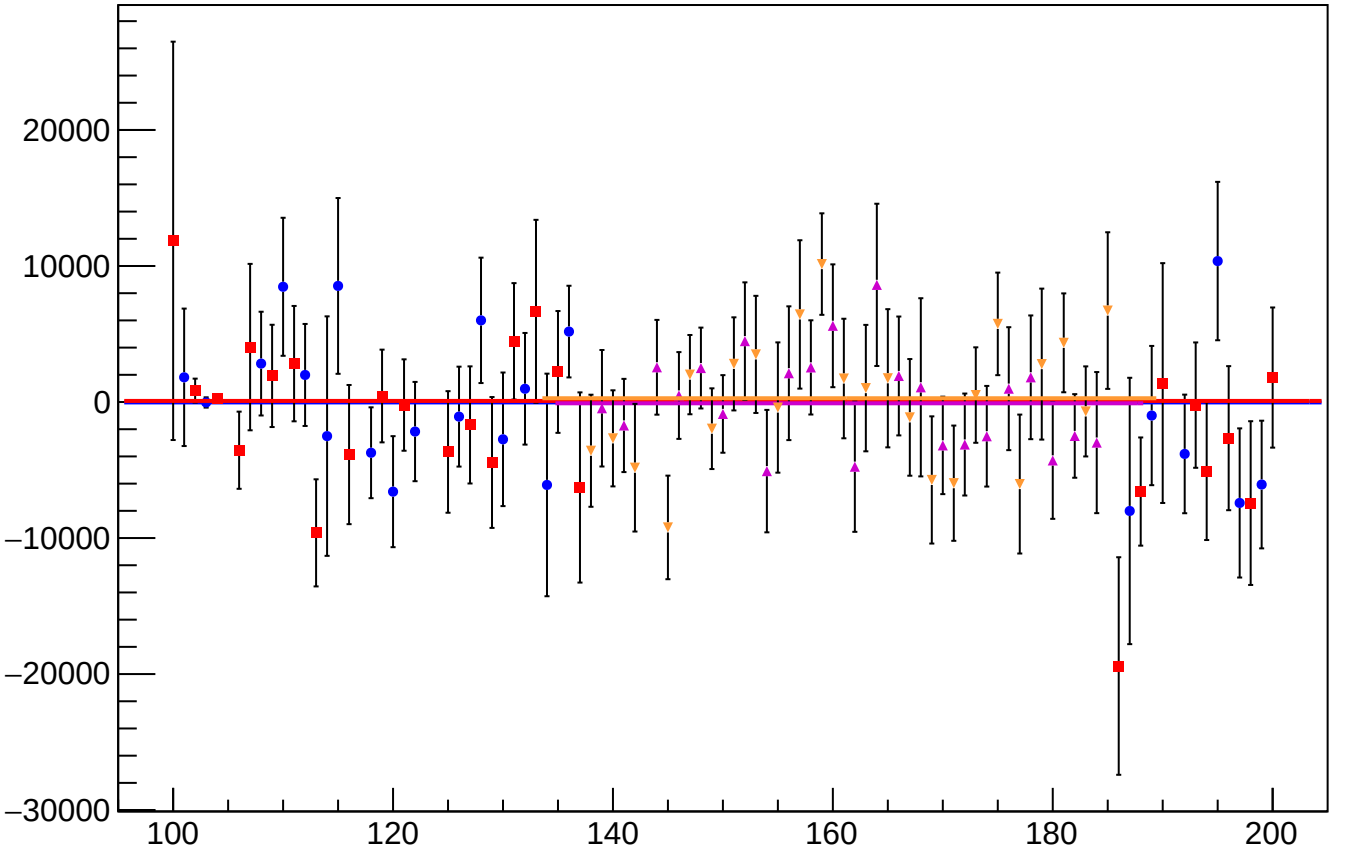
Right Out: 1141.385+/-0.224 χ^2/NDF: 226917.8/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.165+/-0.144 χ^2/NDF: 692637.5/45

All: 1114.312+/-0.101 χ^2/NDF: 991660.4/94

- sign 1117.340+/-0.141 χ^2/NDF: 298087.1/48



Right In: -29.834+/-352.956 χ^2/NDF: 23.0/21

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

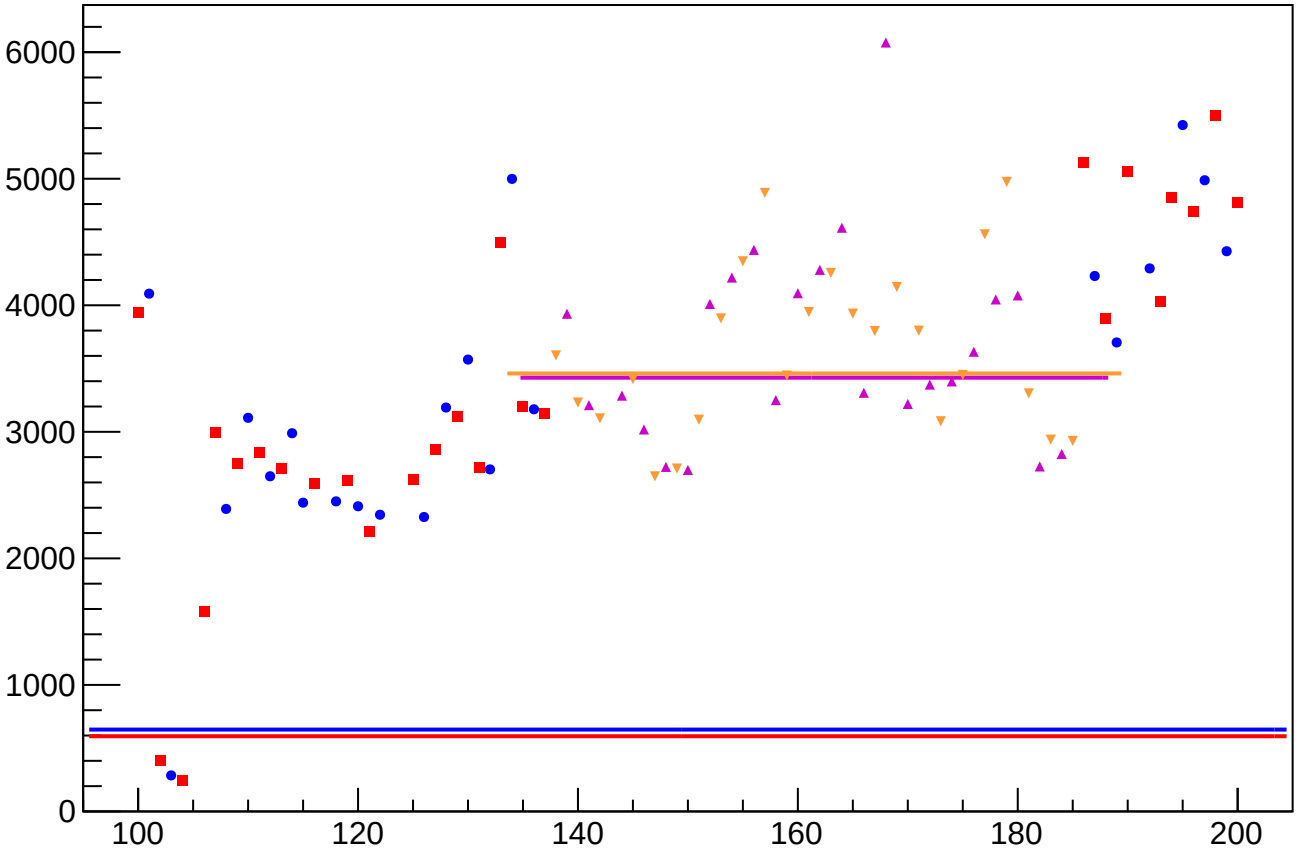
Right Out: 80.458+/-317.968 χ^2/NDF: 27.5/25

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 18.158+/-324.230 χ^2/NDF: 53.0/45

All: 39.553+/-218.736 χ^2/NDF: 94.2/94

- sign 57.424+/-296.328 χ^2/NDF: 41.2/48



Right In: 647.025+/-0.250 χ^2/NDF: 16125119.9/21

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 594.391+/-0.225 χ^2/NDF: 18393275.1/25

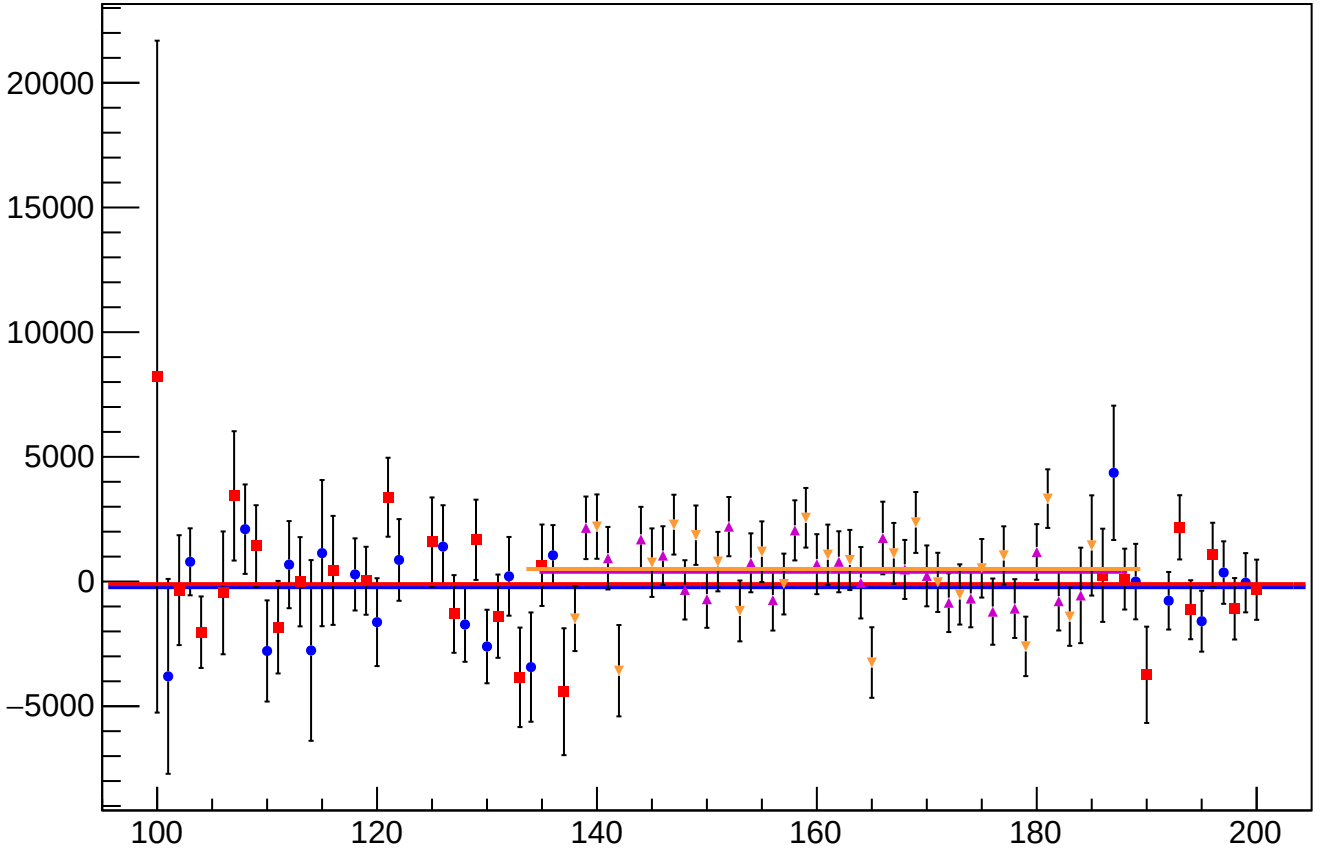
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1086.473+/-0.229 χ^2/NDF: 37038182.7/45

All: 1021.343+/-0.155 χ^2/NDF: 77704365.0/9

- sign 966.940+/-0.210 χ^2/NDF: 40518067.6/48

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -103.991+/-317.729 χ^2/NDF: 29.7/25

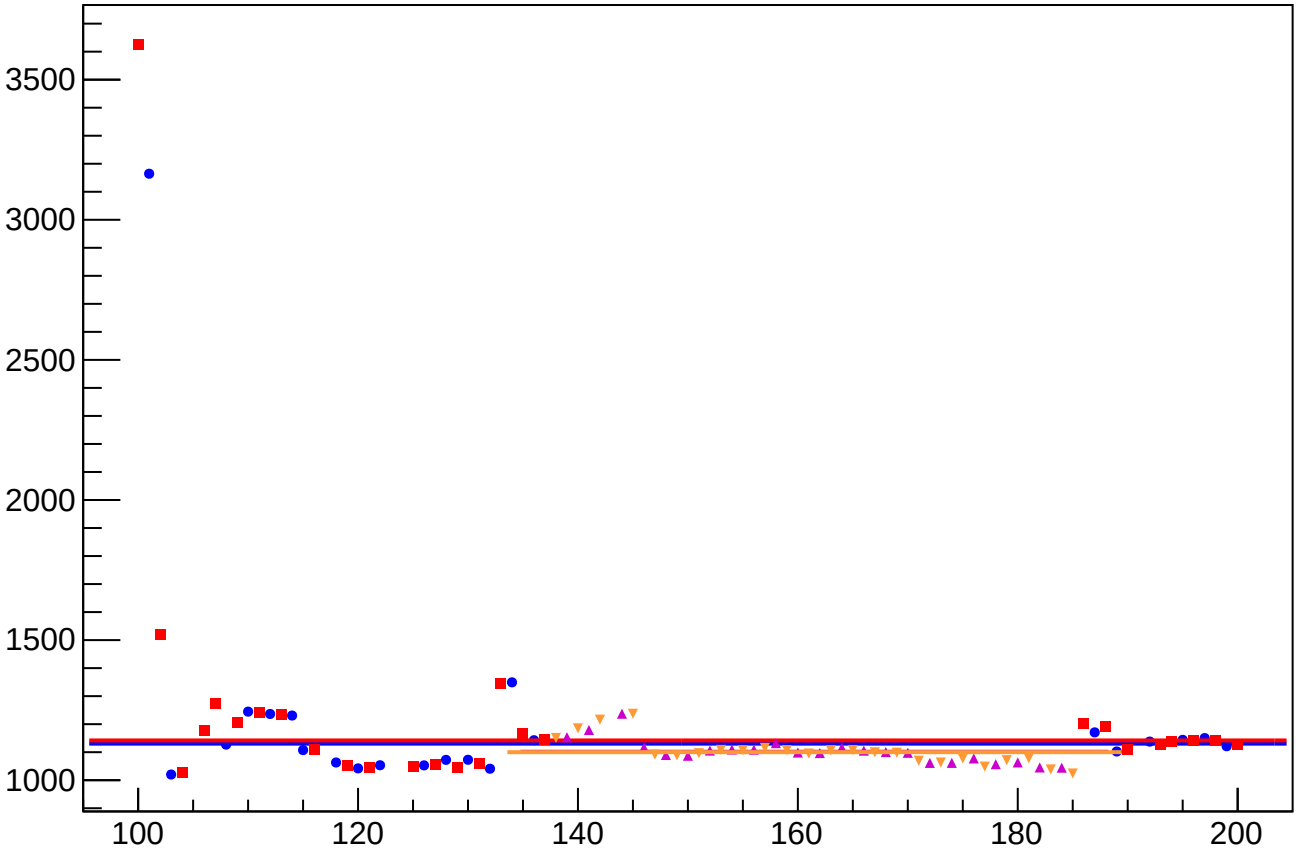
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 238.166+/-203.763 χ^2/NDF: 66.9/45

All: 216.329+/-142.732 χ^2/NDF: 116.0/94

- sign 195.291+/-199.998 χ^2/NDF: 49.0/48

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

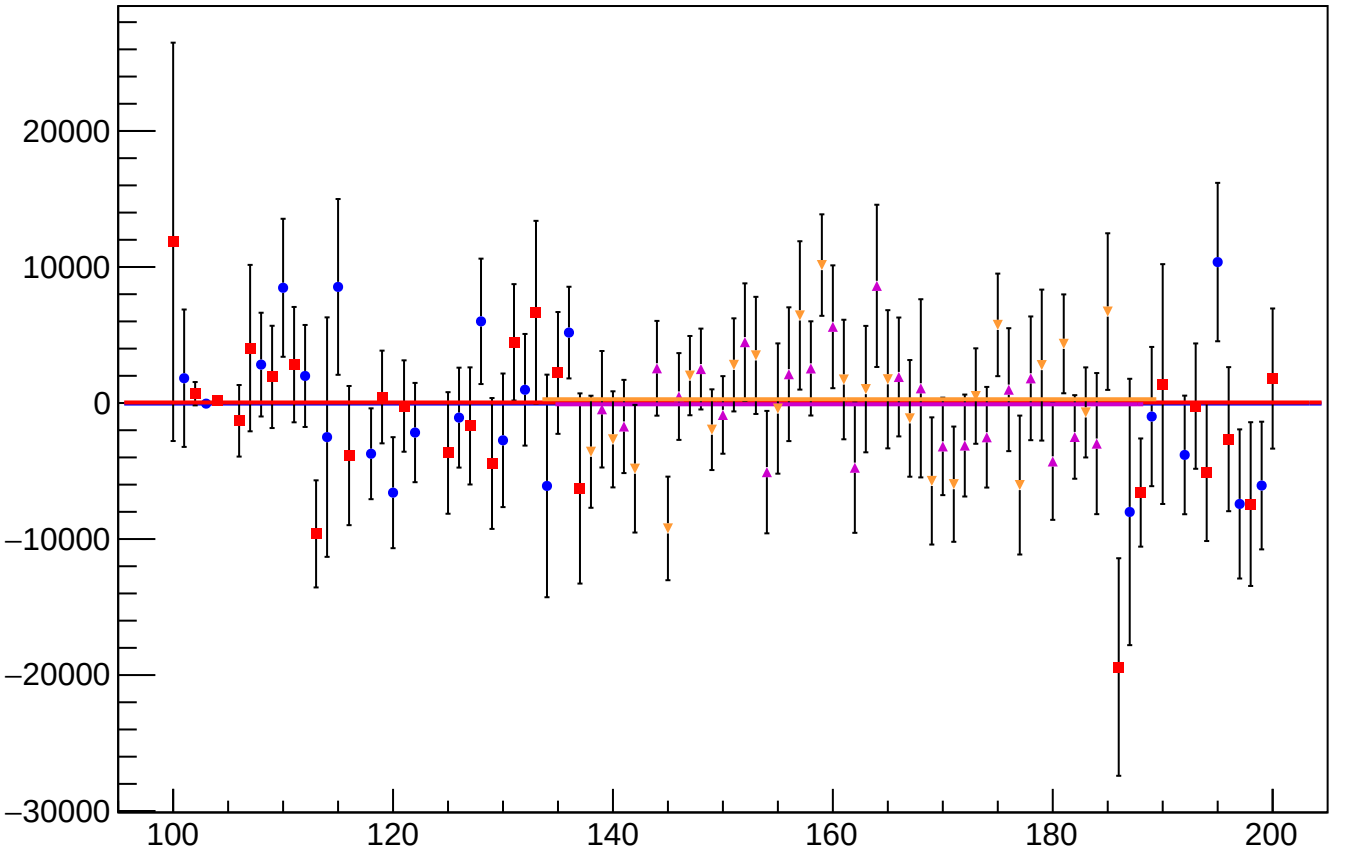
Right Out: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1111.165+/-0.144 χ^2/NDF: 692638.5/45

All: 1114.411+/-0.101 χ^2/NDF: 992664.7/94

\- sign 1117.536+/-0.141 χ^2/NDF: 299030.3/48



Right In: -41.297+/-340.323 χ^2/NDF: 23.0/21

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

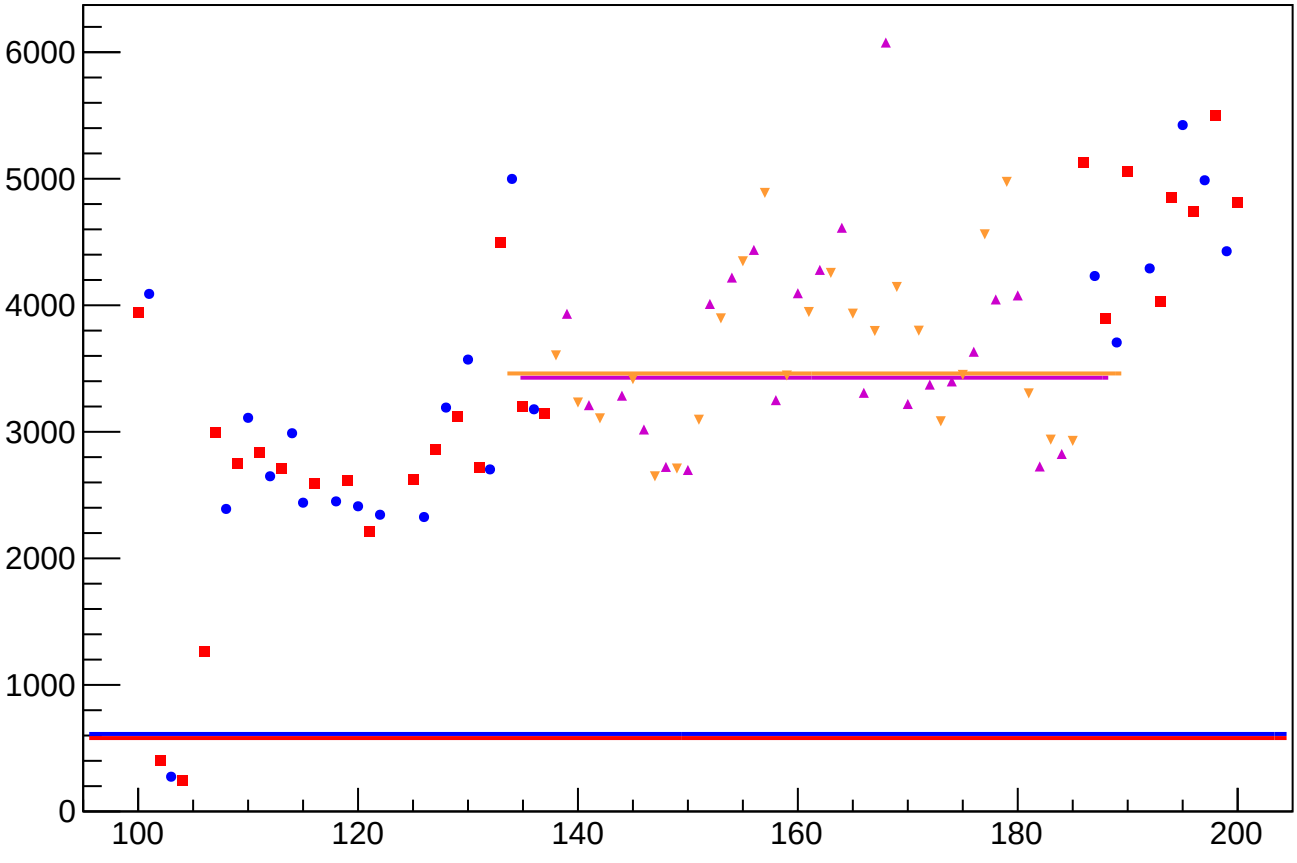
Right Out: 40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 5.503+/-314.355 χ^2/NDF: 53.0/45

All: 14.779+/-214.059 χ^2/NDF: 92.5/94

- sign 22.799+/-292.298 χ^2/NDF: 39.5/48



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 579.937+/-0.221 χ^2/NDF: 18374300.4/25

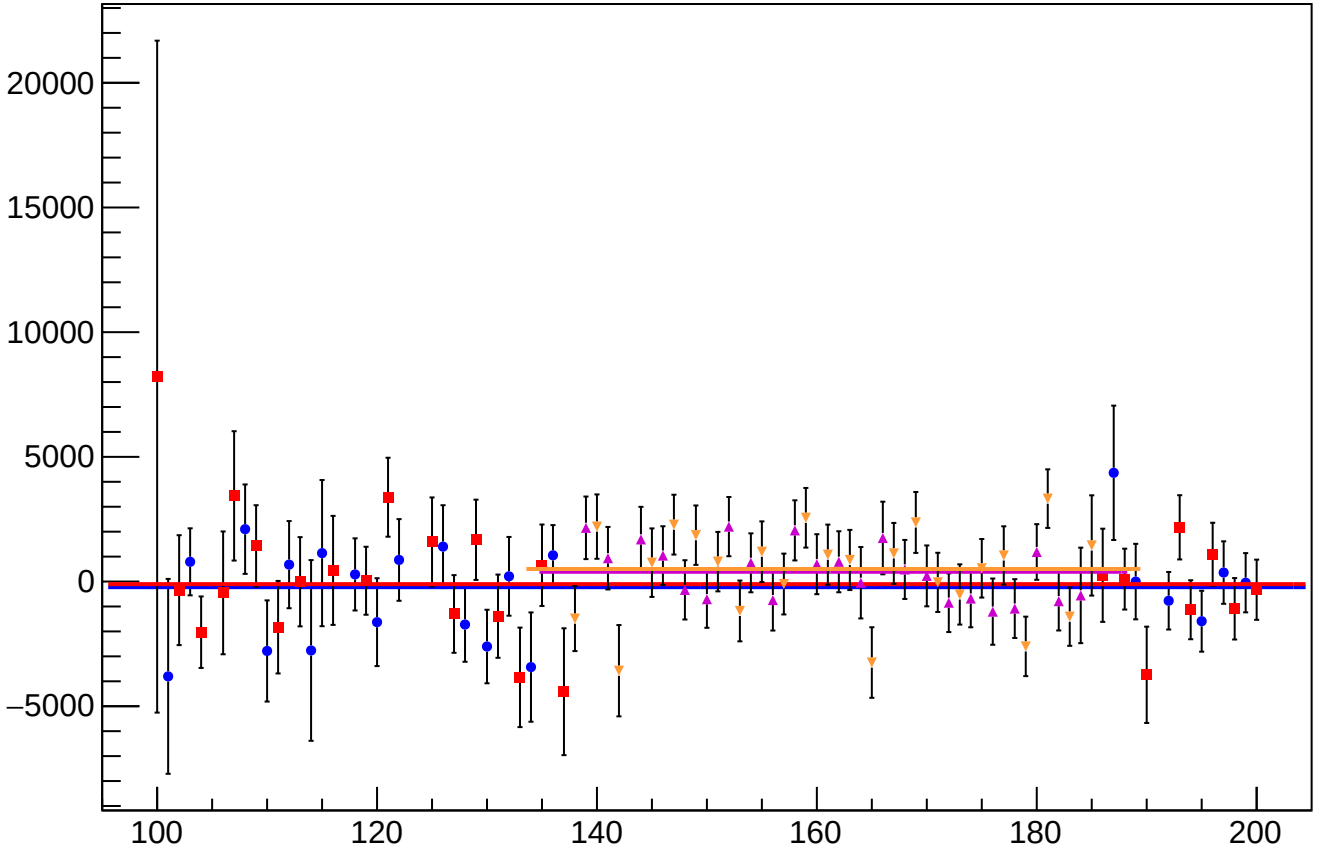
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1030.609+/-0.222 χ^2/NDF: 38009074.8/45

All: 984.305+/-0.151 χ^2/NDF: 78888932.4/94

- sign 944.270+/-0.207 χ^2/NDF: 40798945.1/48

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -103.991+/-317.729 χ^2/NDF: 29.7/25

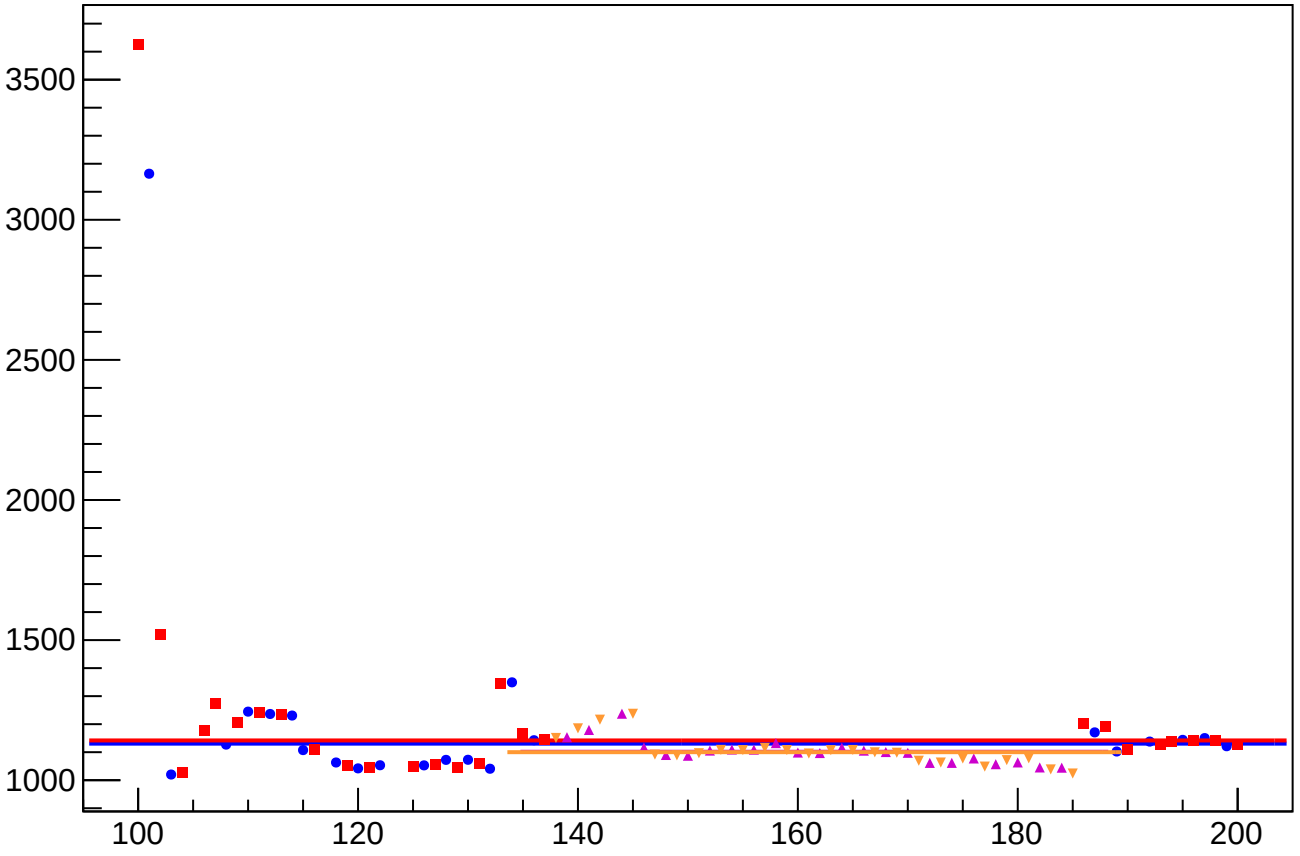
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 238.166+/-203.763 χ^2/NDF: 66.9/45

All: 216.329+/-142.732 χ^2/NDF: 116.0/94

- sign 195.291+/-199.998 χ^2/NDF: 49.0/48

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

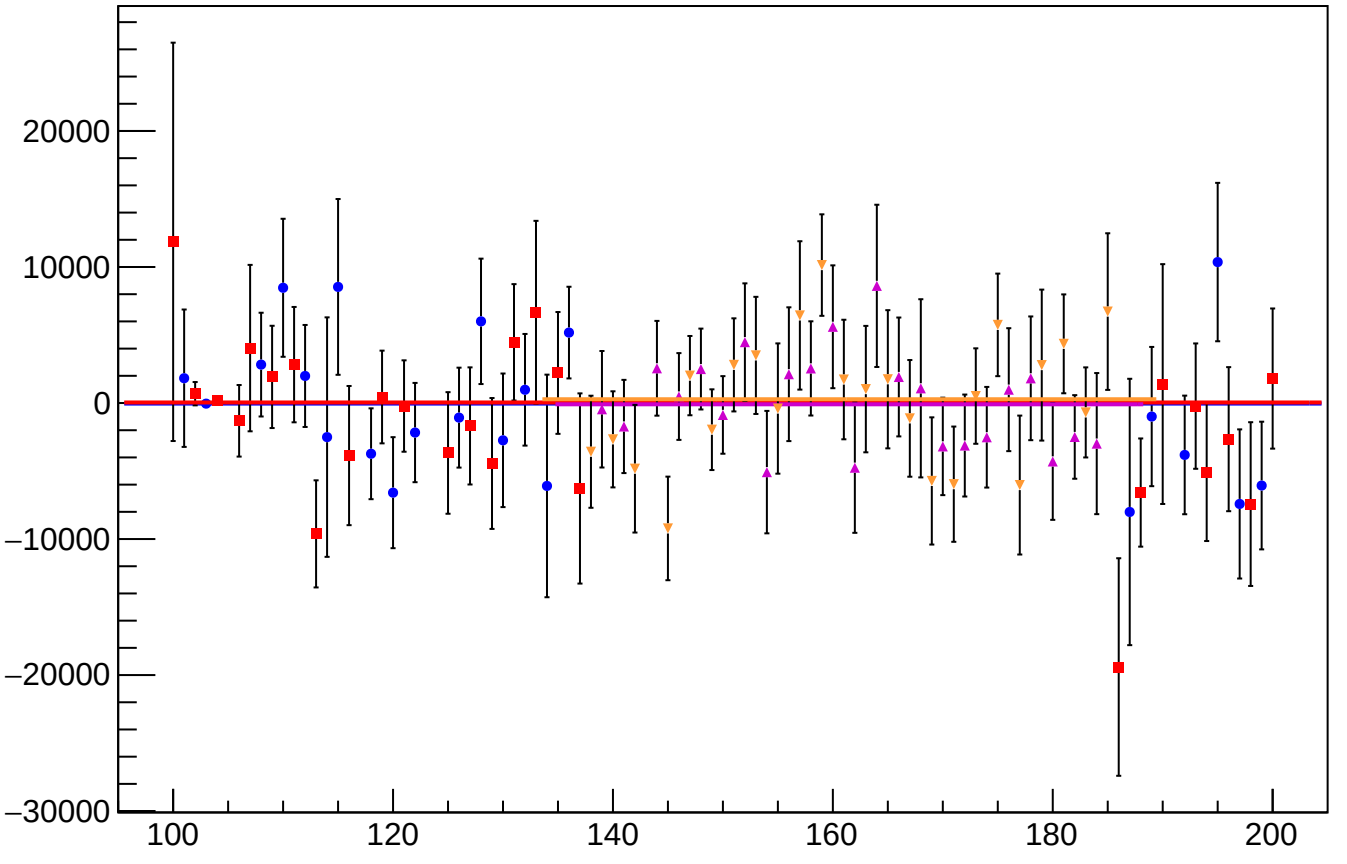
Right Out: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.165+/-0.144 χ^2/NDF: 692638.5/45

All: 1114.411+/-0.101 χ^2/NDF: 992664.7/94

- sign 1117.536+/-0.141 χ^2/NDF: 299030.3/48



Right In: -41.297+/-340.323 χ^2/NDF: 23.0/21

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

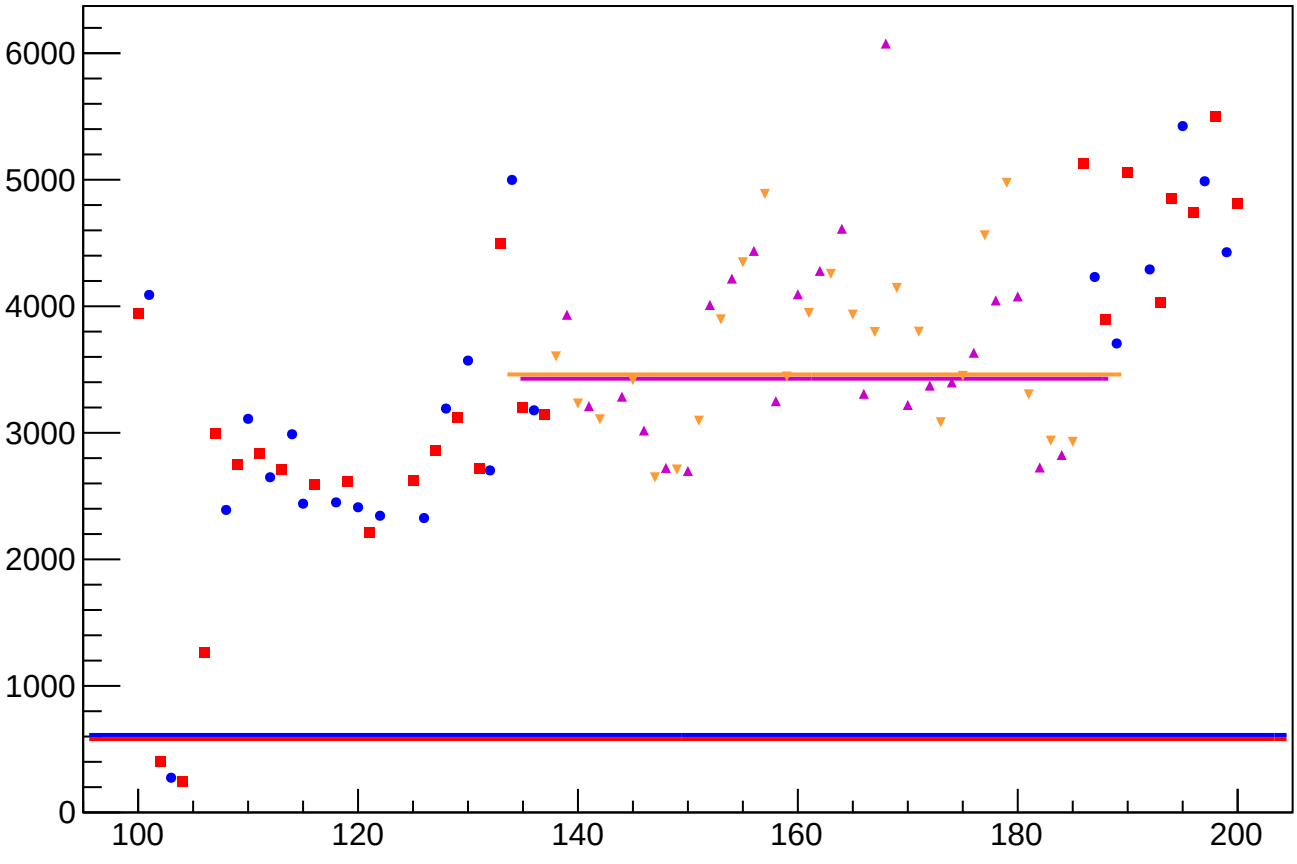
Right Out: 40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 5.503+/-314.355 χ^2/NDF: 53.0/45

All: 14.779+/-214.059 χ^2/NDF: 92.5/94

- sign 22.799+/-292.298 χ^2/NDF: 39.5/48



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 579.937+/-0.221 χ^2/NDF: 18374300.4/25

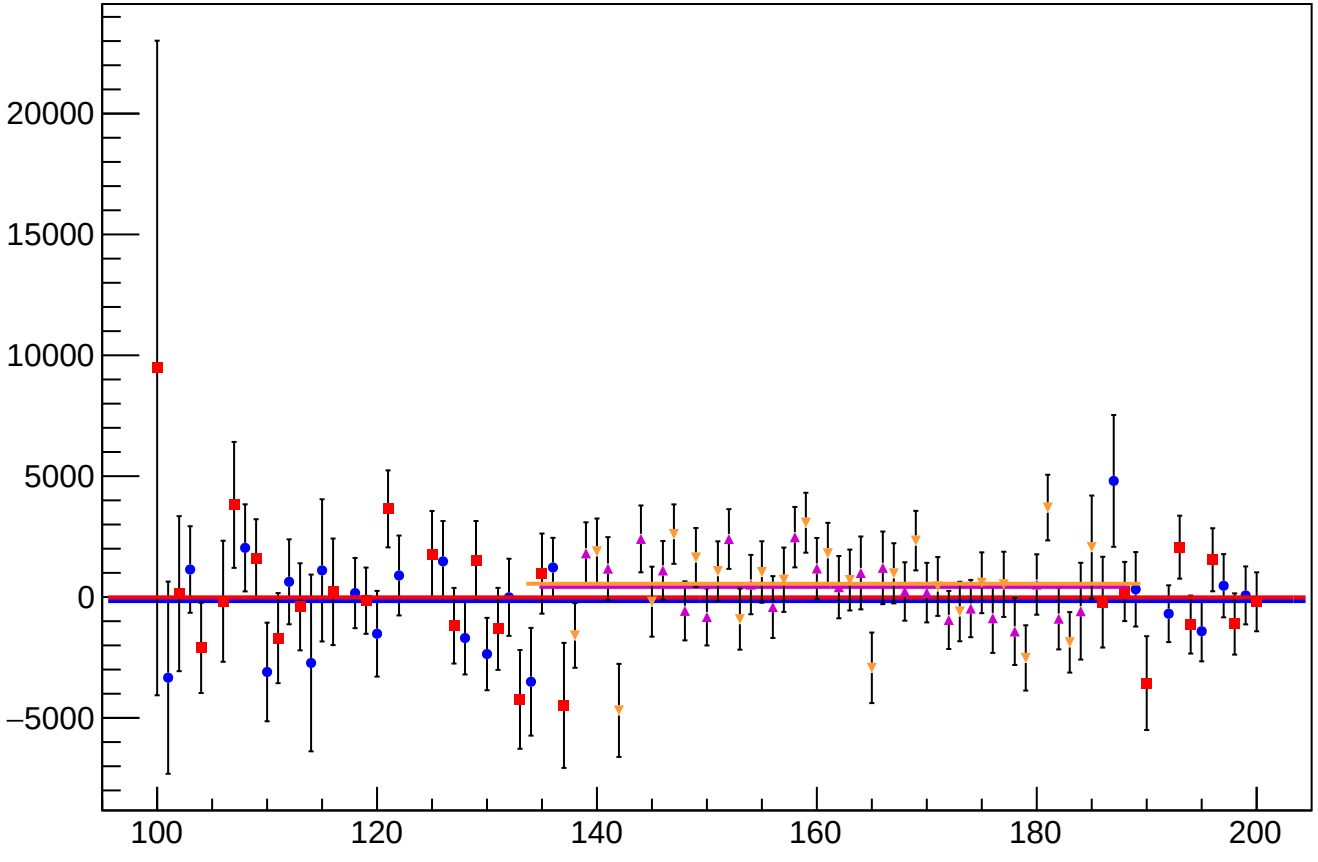
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1030.609+/-0.222 χ^2/NDF: 38009074.8/45

All: 984.305+/-0.151 χ^2/NDF: 78888932.4/94

- sign 944.270+/-0.207 χ^2/NDF: 40798945.1/48

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -168.143+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -12.973+/-326.434 χ^2/NDF: 30.7/25

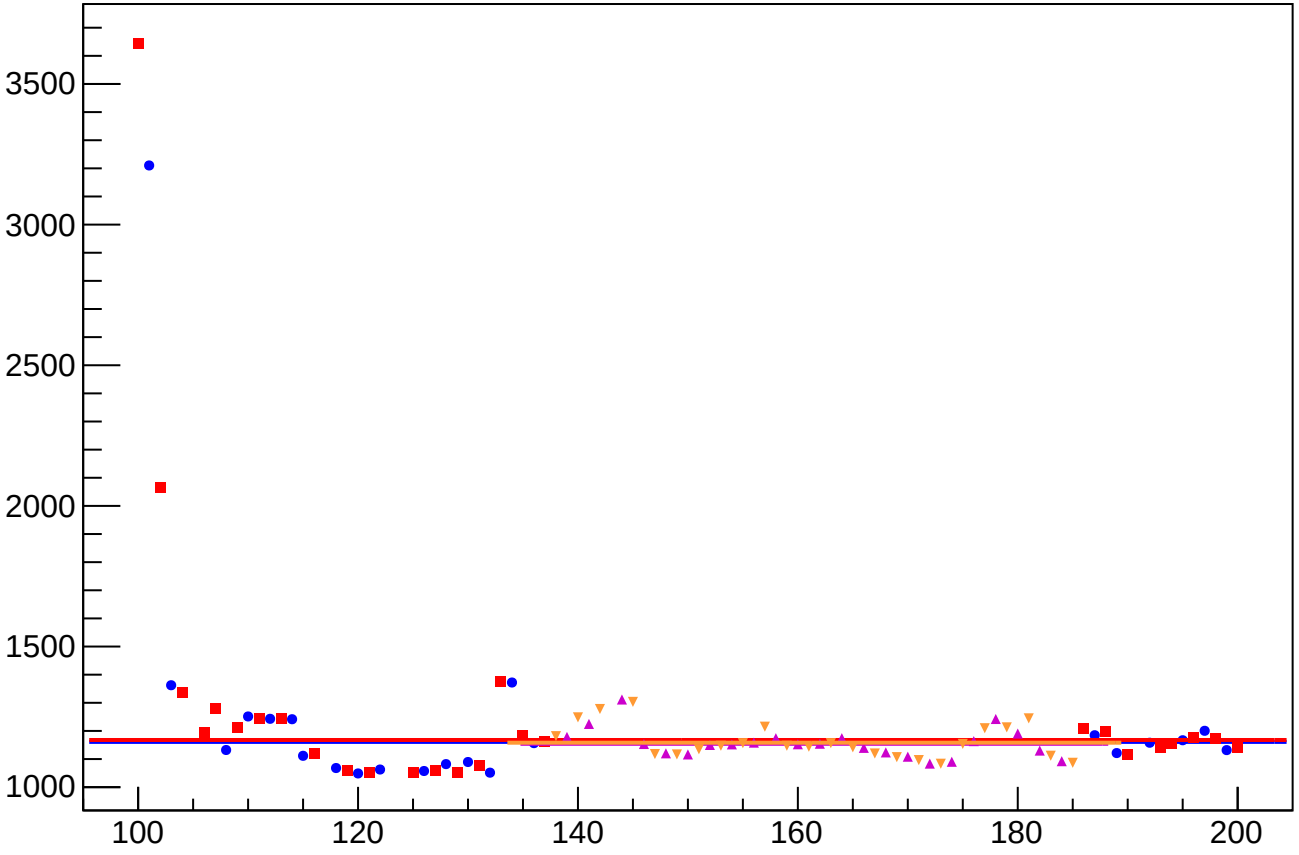
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 280.529+/-212.689 χ^2/NDF: 67.1/45

All: 262.299+/-148.697 χ^2/NDF: 116.9/94

- sign 244.868+/-207.970 χ^2/NDF: 49.7/48

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1161.044+/-0.245 χ^2/NDF: 639927.2/21

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

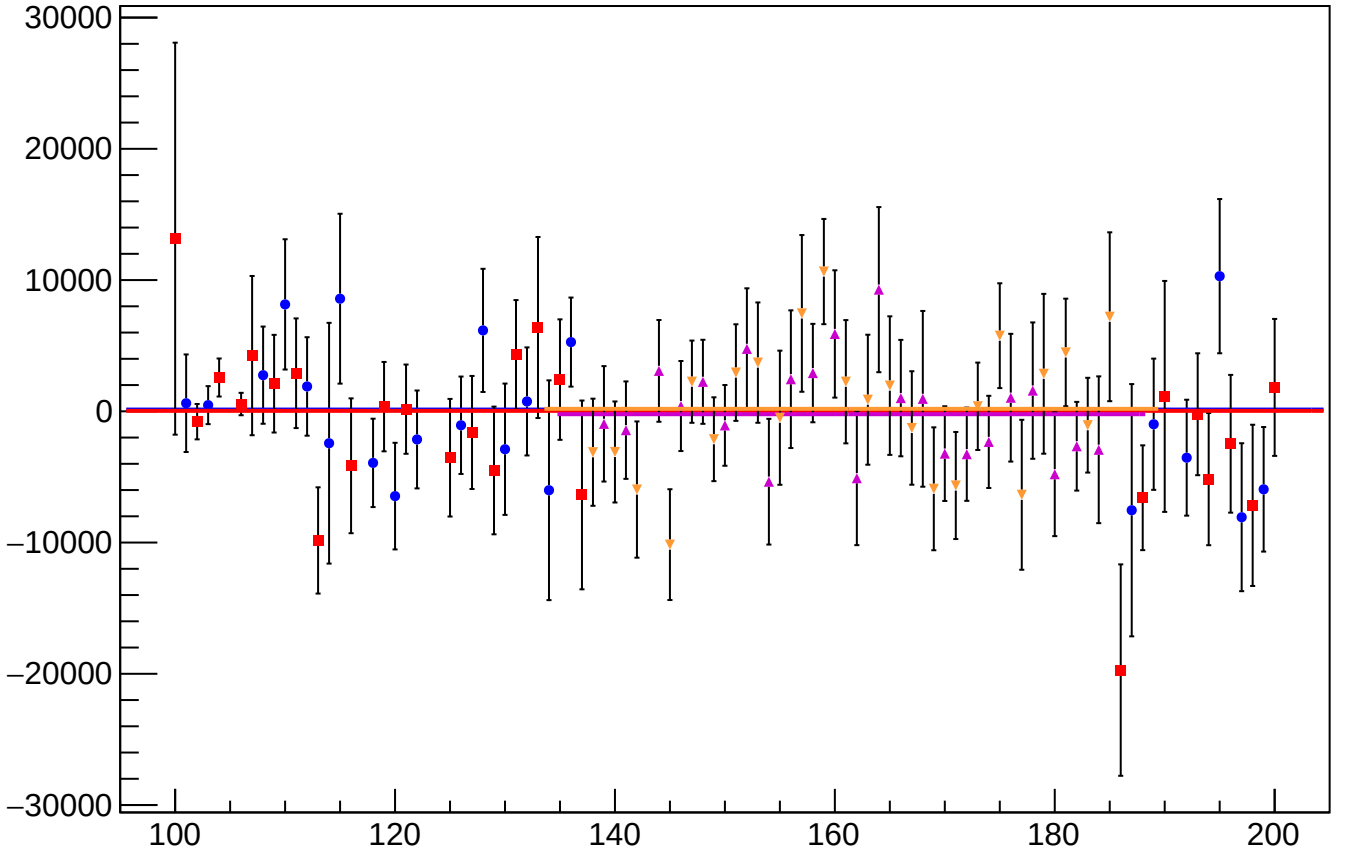
Right Out: 1167.785+/-0.231 χ^2/NDF: 337610.7/25

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.254+/-0.150 χ^2/NDF: 724124.2/45

All: 1159.499+/-0.105 χ^2/NDF: 1130266.5/94

- sign 1159.734+/-0.147 χ^2/NDF: 406137.1/48



Right In: 132.806+/-812.259 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

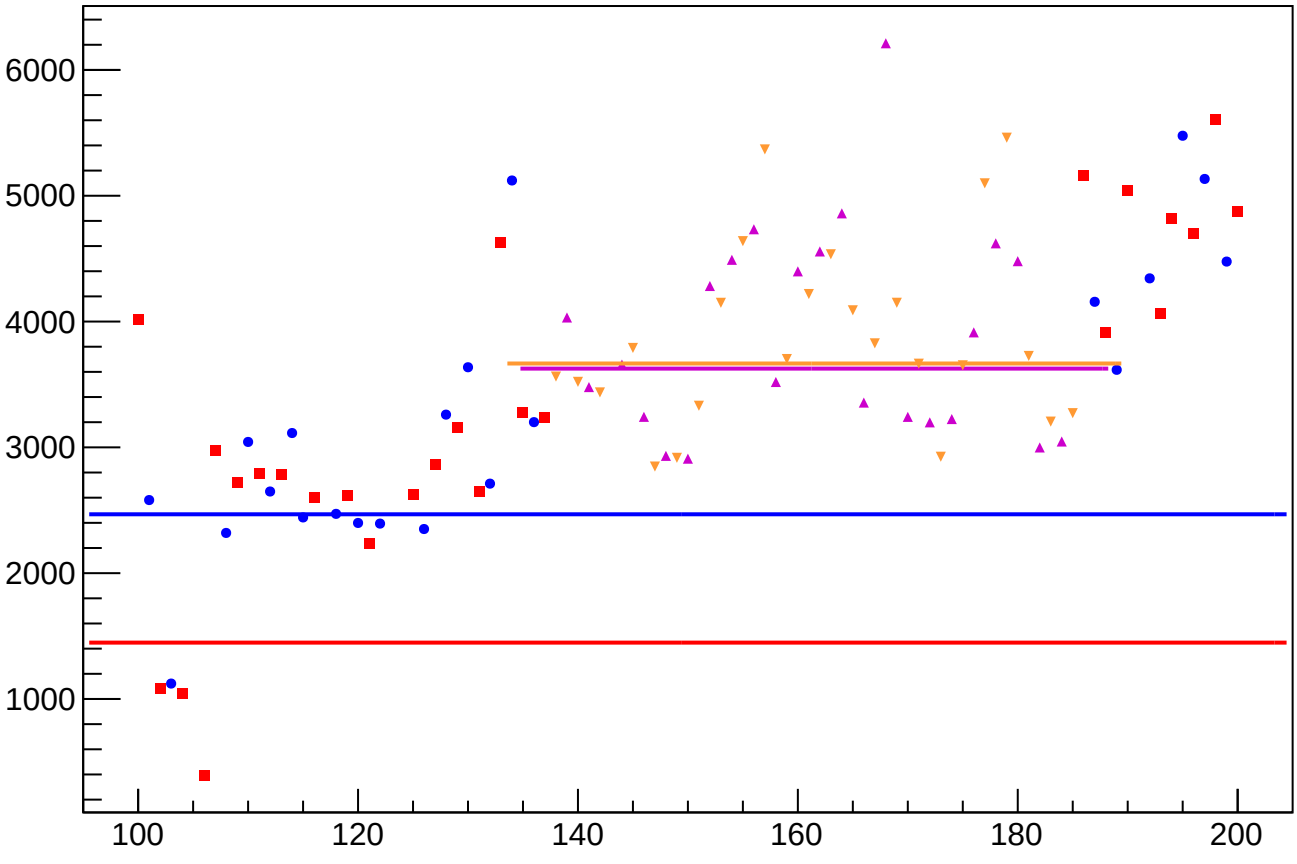
Right Out: 35.725+/-542.381 χ^2/NDF: 28.7/25

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 159.337+/-593.538 χ^2/NDF: 52.0/45

All: 36.664+/-363.334 χ^2/NDF: 94.2/94

- sign -36.854+/-459.485 χ^2/NDF: 42.1/48



Right In: 2468.030+/-0.574 χ^2/NDF: 4103179.5/21

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1448.005+/-0.384 χ^2/NDF: 11894793.4/25

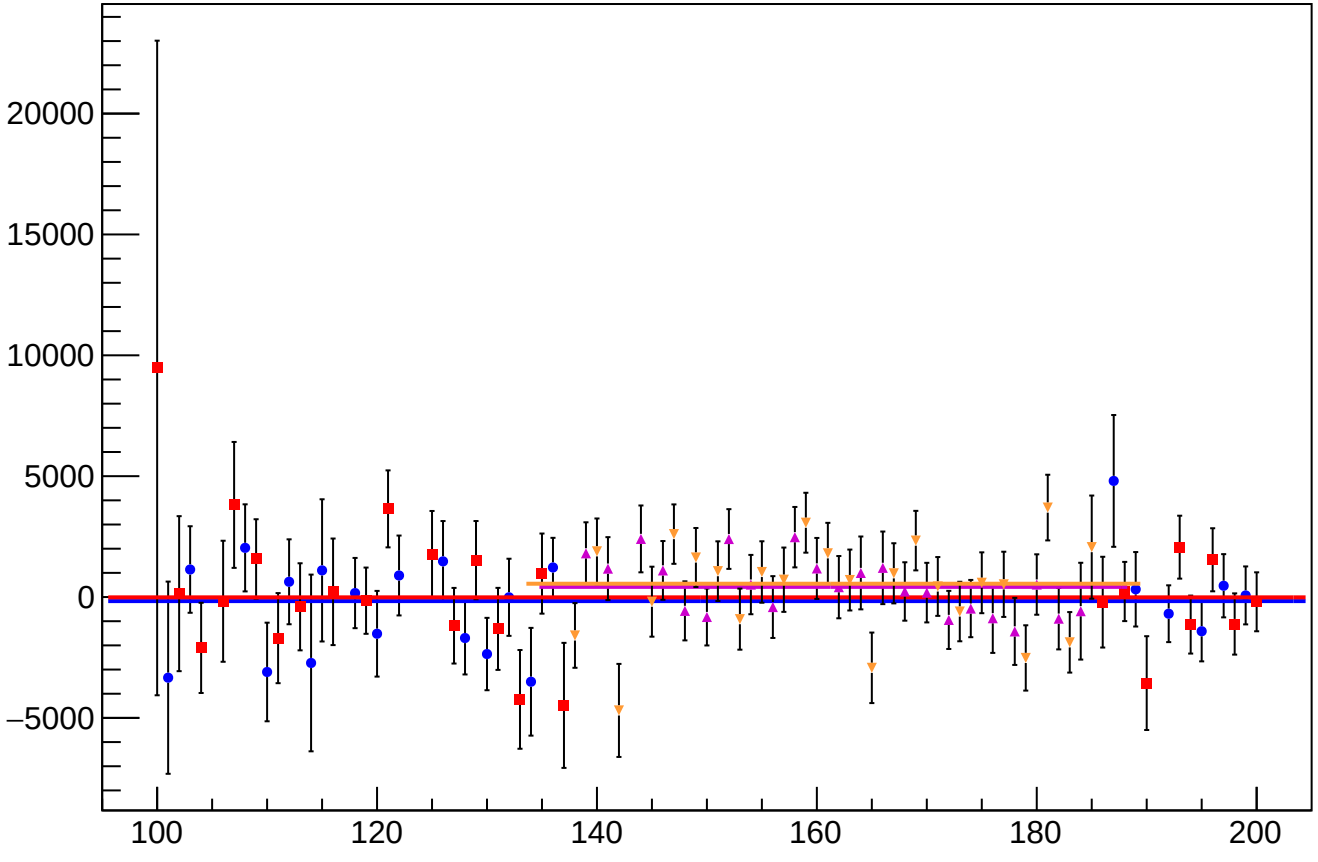
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3026.584+/-0.420 χ^2/NDF: 7228308.3/45

All: 2424.001+/-0.257 χ^2/NDF: 32782167.5/9

- sign 2062.872+/-0.325 χ^2/NDF: 22257019.2/48

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -168.144+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -12.971+/-326.434 χ^2/NDF: 30.7/25

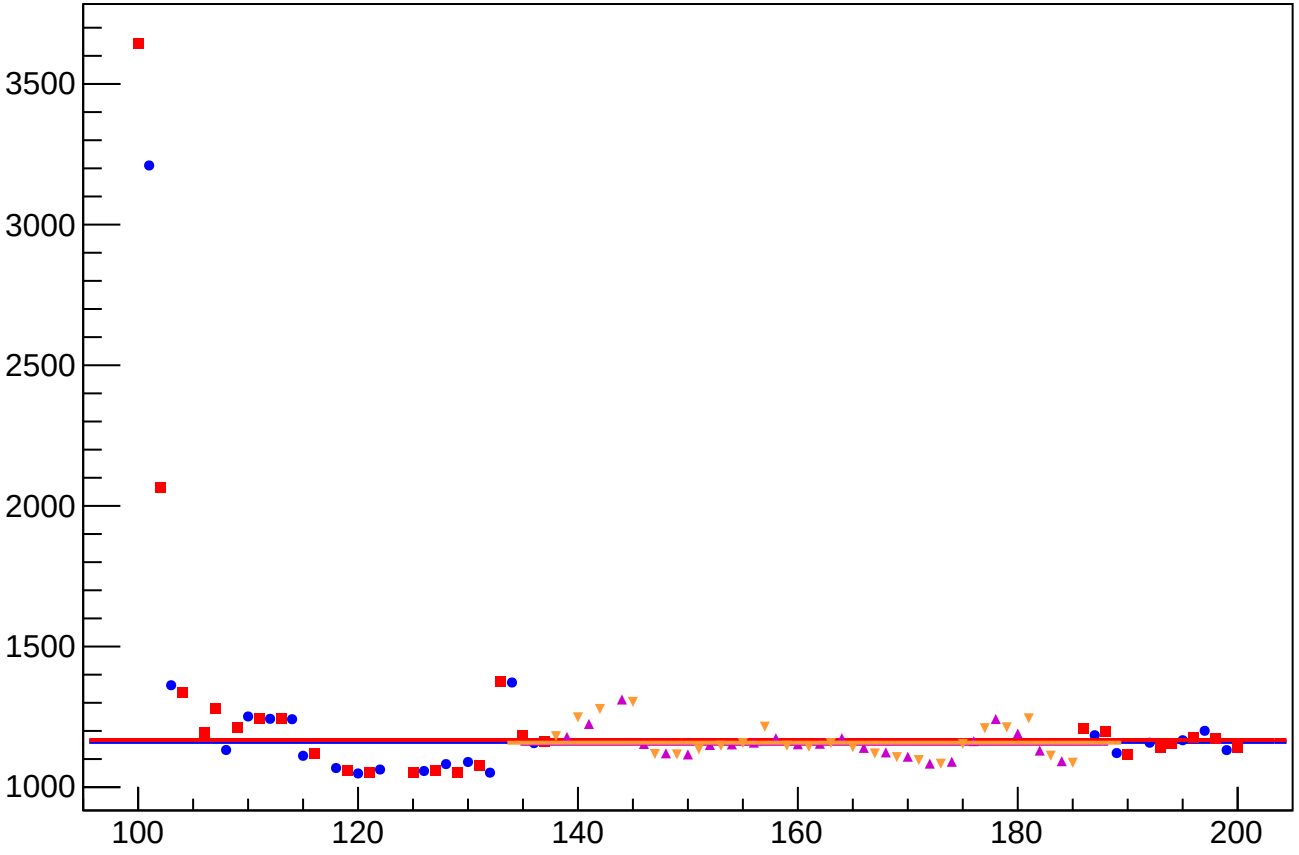
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

\+ sign 280.530+/-212.689 χ^2/NDF: 67.1/45

All: 262.299+/-148.697 χ^2/NDF: 116.9/94

\- sign 244.868+/-207.970 χ^2/NDF: 49.7/48

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1161.043+/-0.245 χ^2/NDF: 639927.5/21

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

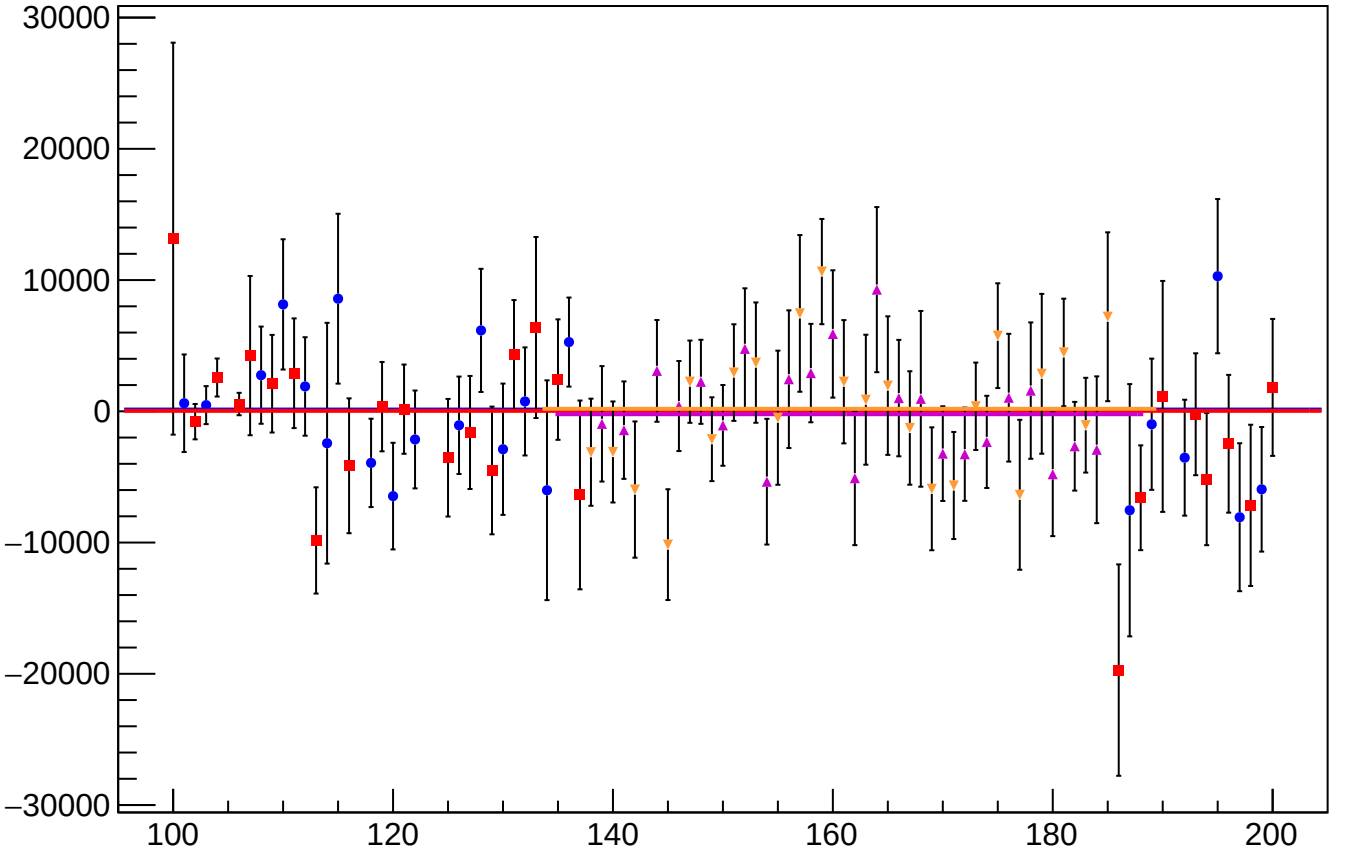
Right Out: 1167.786+/-0.231 χ^2/NDF: 337610.4/25

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.255+/-0.150 χ^2/NDF: 724126.9/45

All: 1159.500+/-0.105 χ^2/NDF: 1130271.1/94

- sign 1159.735+/-0.147 χ^2/NDF: 406138.9/48



Right In: 132.802+/-812.258 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

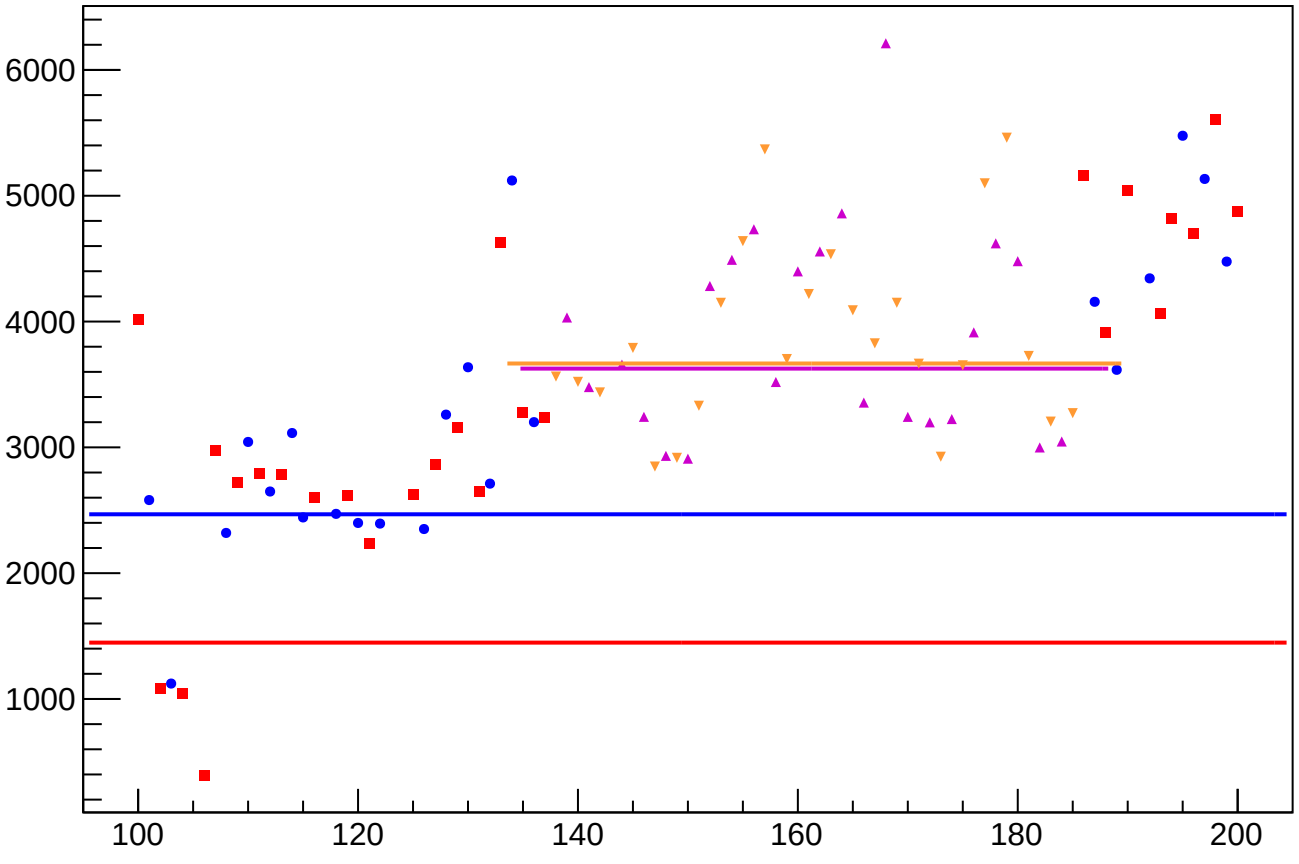
Right Out: 35.735+/-542.375 χ^2/NDF: 28.7/25

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 159.335+/-593.538 χ^2/NDF: 52.0/45

All: 36.667+/-363.332 χ^2/NDF: 94.2/94

- sign -36.847+/-459.481 χ^2/NDF: 42.1/48



Right In: 2468.027+/-0.574 χ^2/NDF: 4103188.6/21

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1447.978+/-0.384 χ^2/NDF: 11895016.9/25

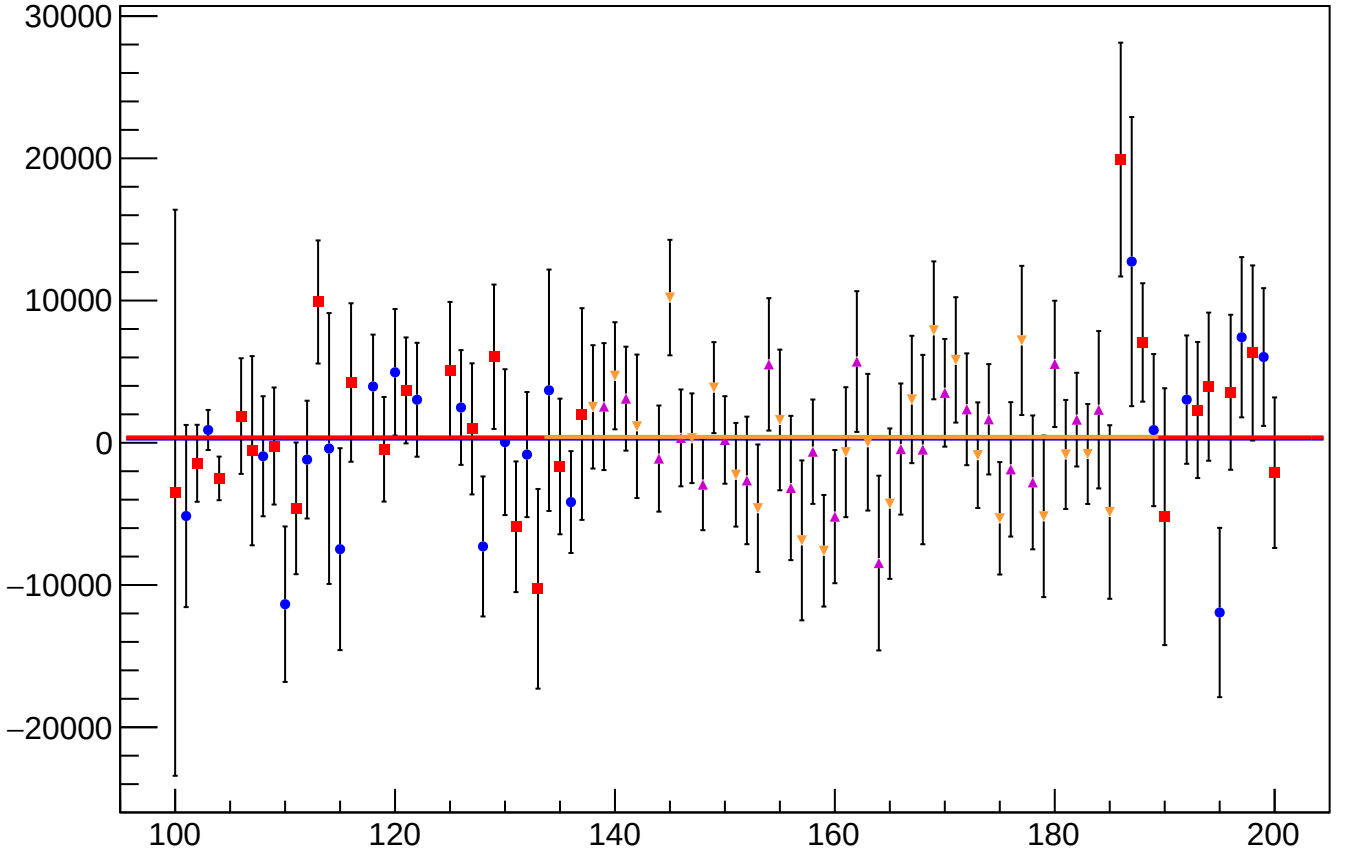
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3026.583+/-0.420 χ^2/NDF: 7228349.0/45

All: 2423.979+/-0.257 χ^2/NDF: 32782956.8/9

- sign 2062.842+/-0.325 χ^2/NDF: 22257555.8/48

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 294.279+/-852.570 χ^2/NDF: 23.0/21

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

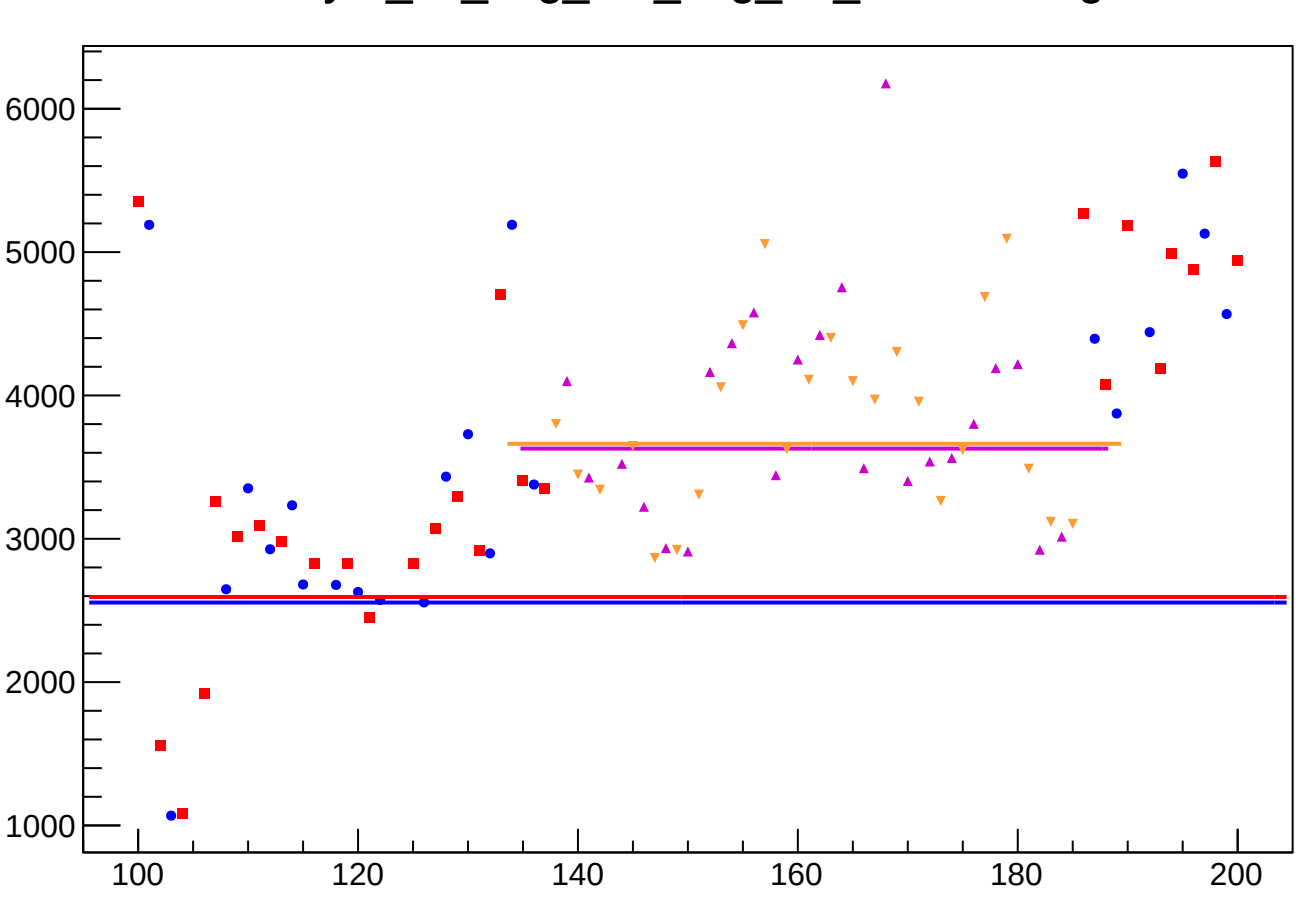
Right Out: 377.883+/-815.239 χ^2/NDF: 28.9/25

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 353.001+/-607.319 χ^2/NDF: 50.2/45

All: 371.955+/-424.083 χ^2/NDF: 91.3/94

- sign 389.992+/-592.444 χ^2/NDF: 41.2/48



Right In: 2555.237+/-0.603 χ^2/NDF: 4924416.9/21

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

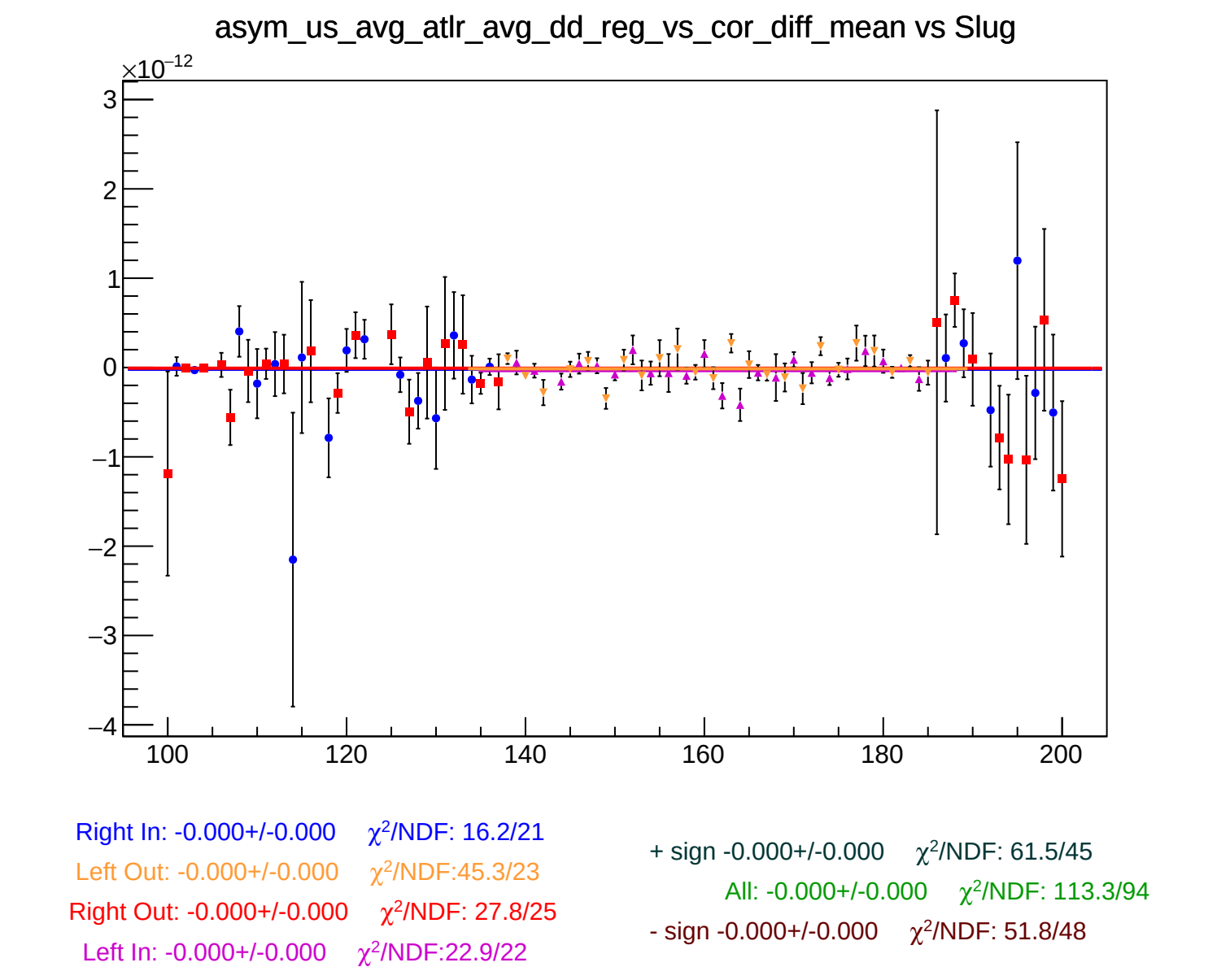
Right Out: 2593.797+/-0.575 χ^2/NDF: 5272680.3/25

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3100.722+/-0.429 χ^2/NDF: 7480031.5/45

All: 3090.792+/-0.300 χ^2/NDF: 15333867.3/9

- sign 3081.363+/-0.418 χ^2/NDF: 7852793.5/48


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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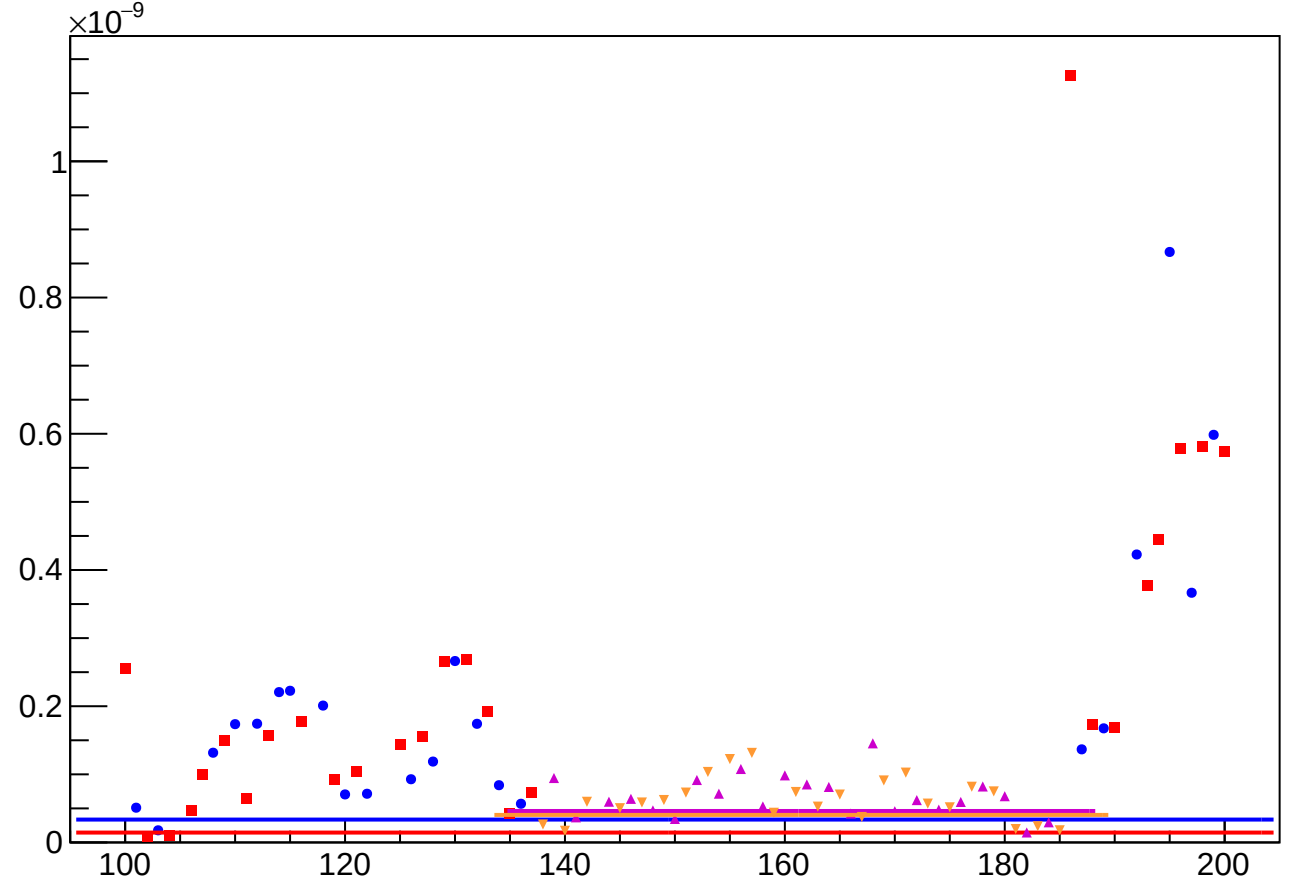
Right In: -0.000+/-0.000 χ²/NDF: 16.2/21
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/25
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 61.5/45
All: -0.000+/-0.000 χ²/NDF: 113.3/94
- sign -0.000+/-0.000 χ²/NDF: 51.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 6144298.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

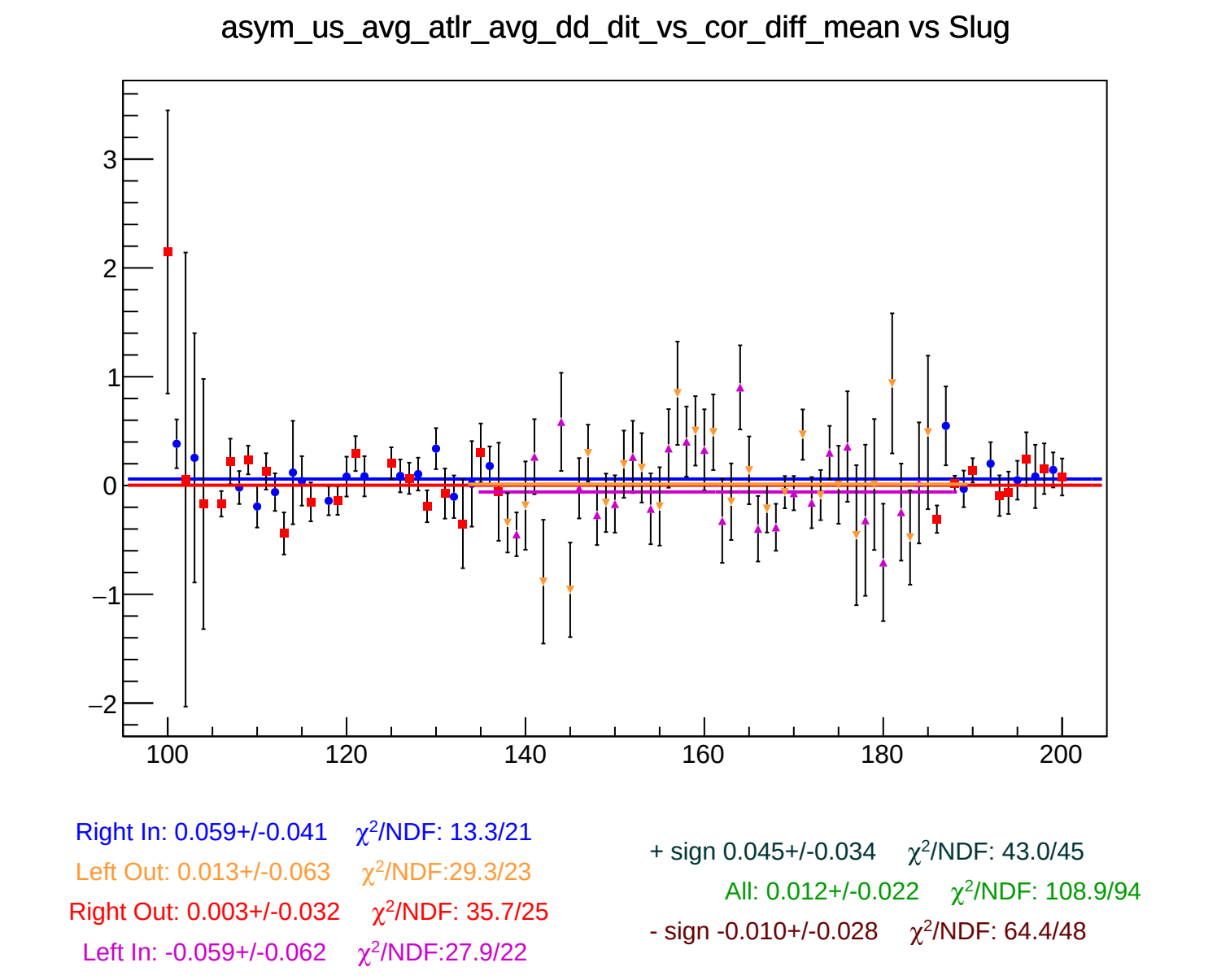
Right Out: 0.000+/-0.000 χ^2/NDF: 8502142.9/25

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9671071.4/45

All: 0.000+/-0.000 χ^2/NDF: 25161837.3/94

- sign 0.000+/-0.000 χ^2/NDF: 14655405.4/48


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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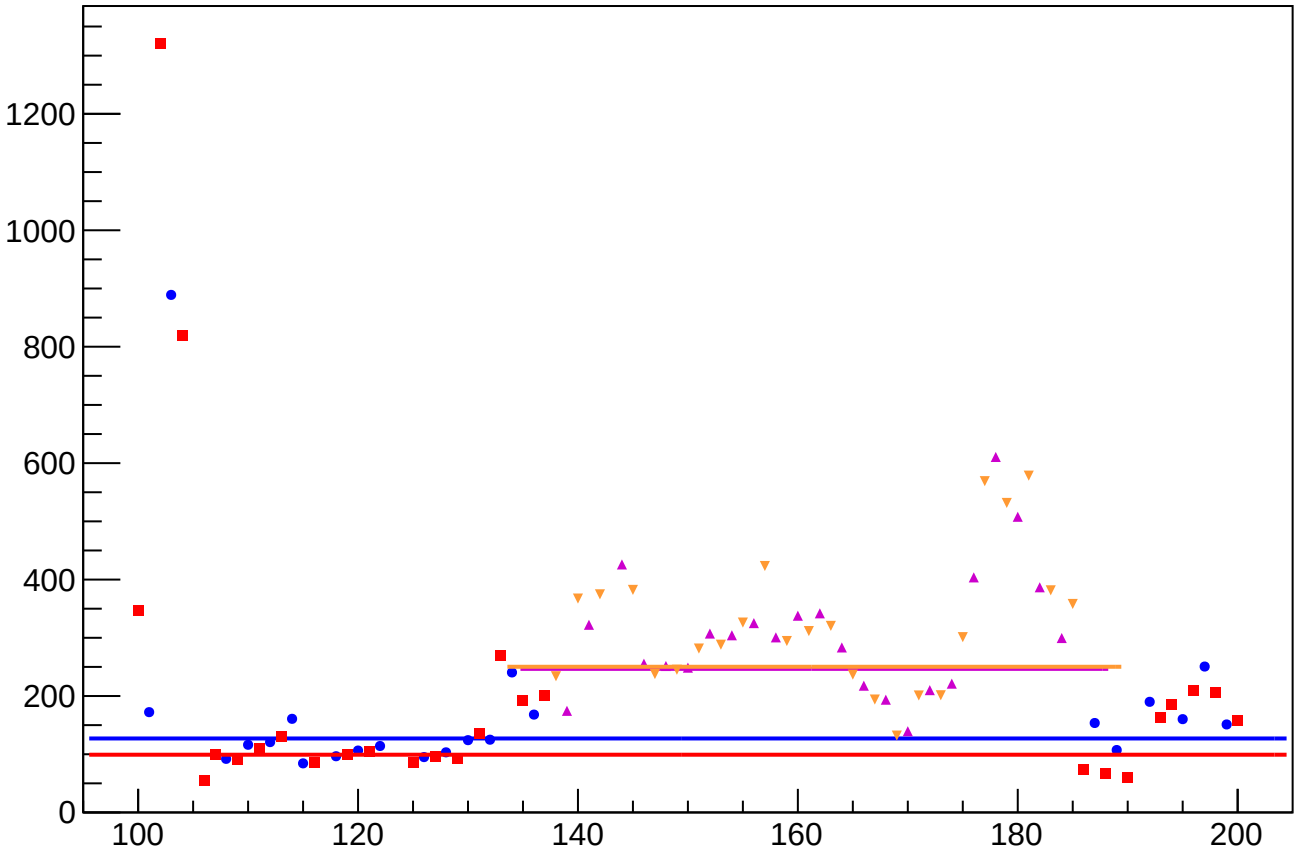
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.012+/-0.022 χ²/NDF: 108.9/94
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

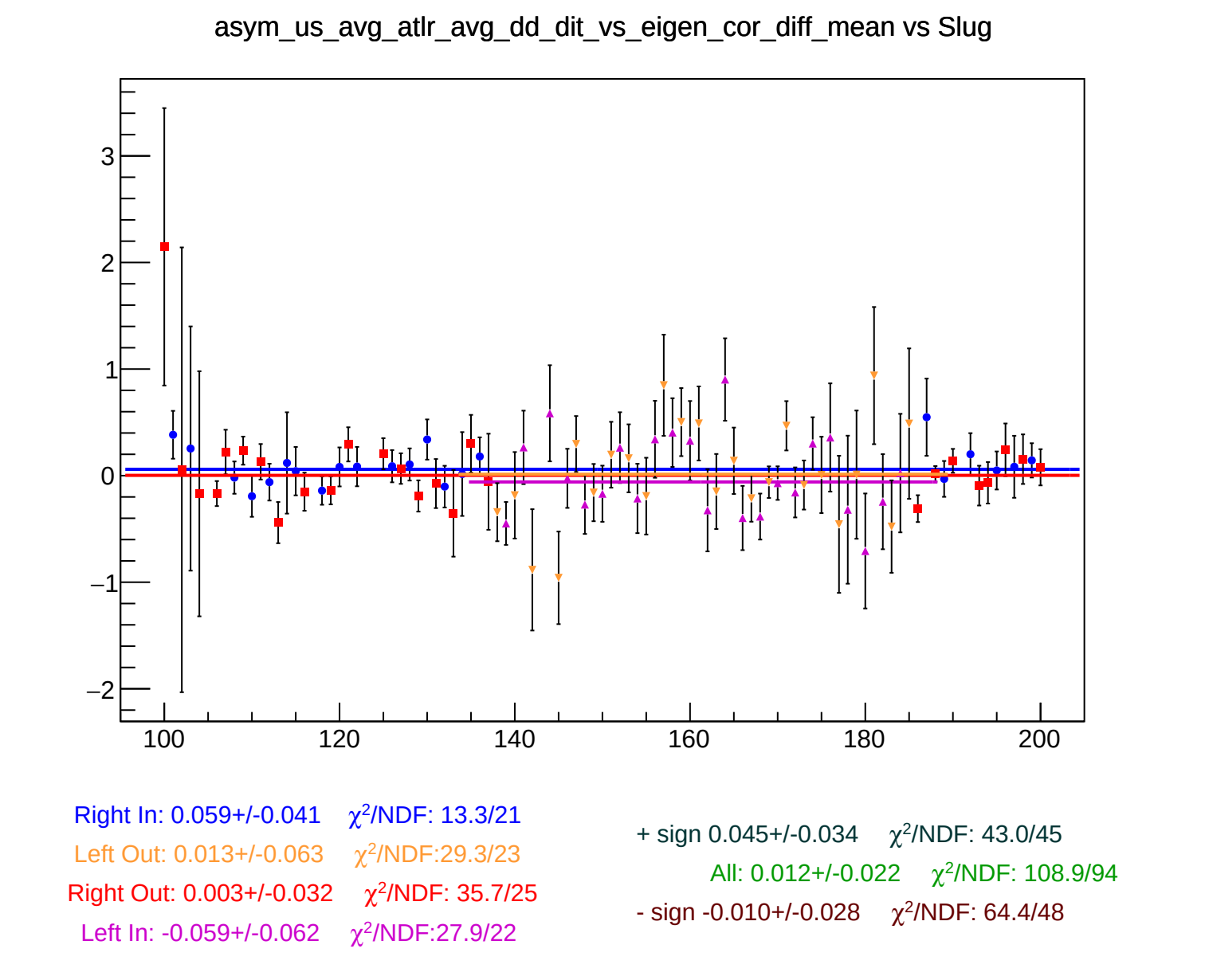
Right Out: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.745+/-0.024 χ^2/NDF: 12150248.1/45

All: 143.664+/-0.015 χ^2/NDF: 31081548.6/94

- sign 130.004+/-0.020 χ^2/NDF: 17784642.8/48


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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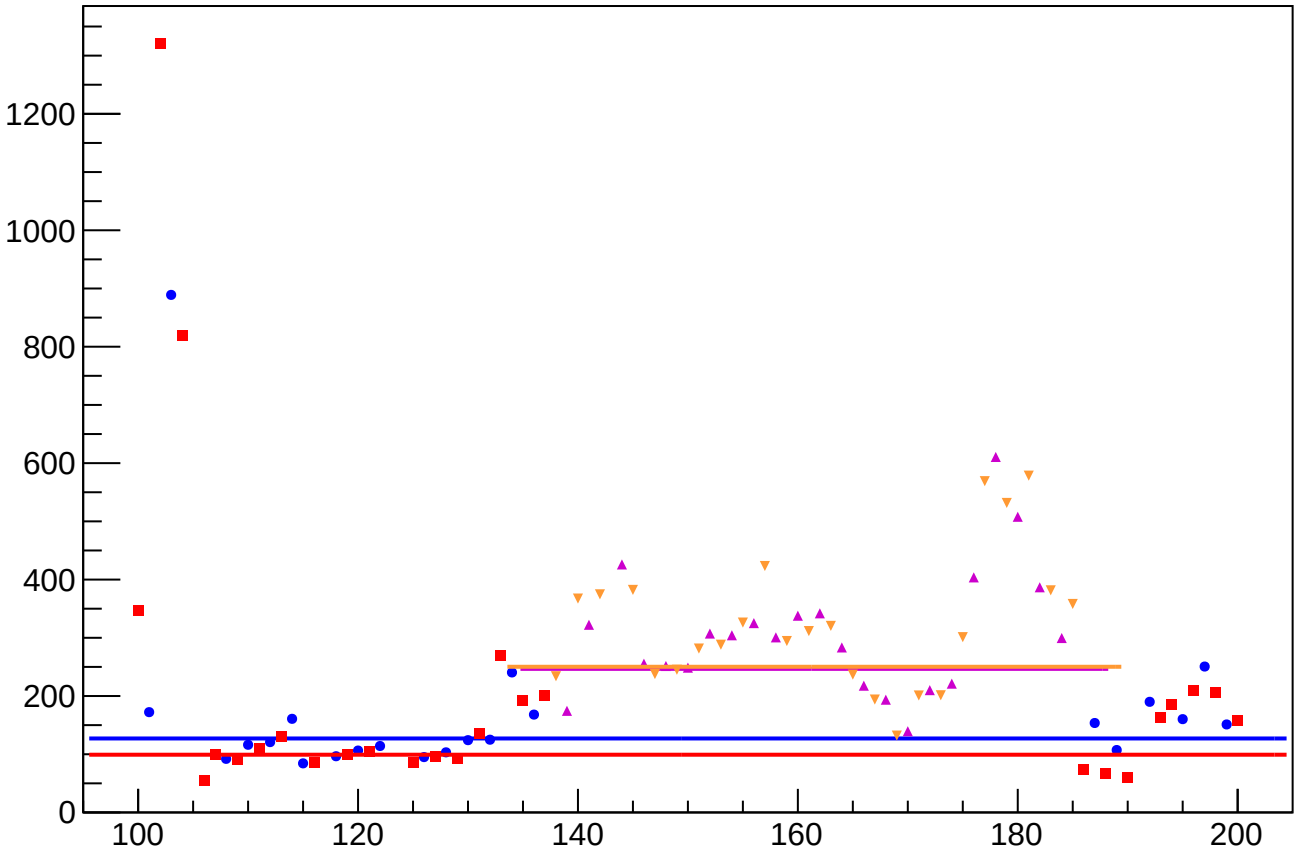
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.012+/-0.022 χ²/NDF: 108.9/94
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

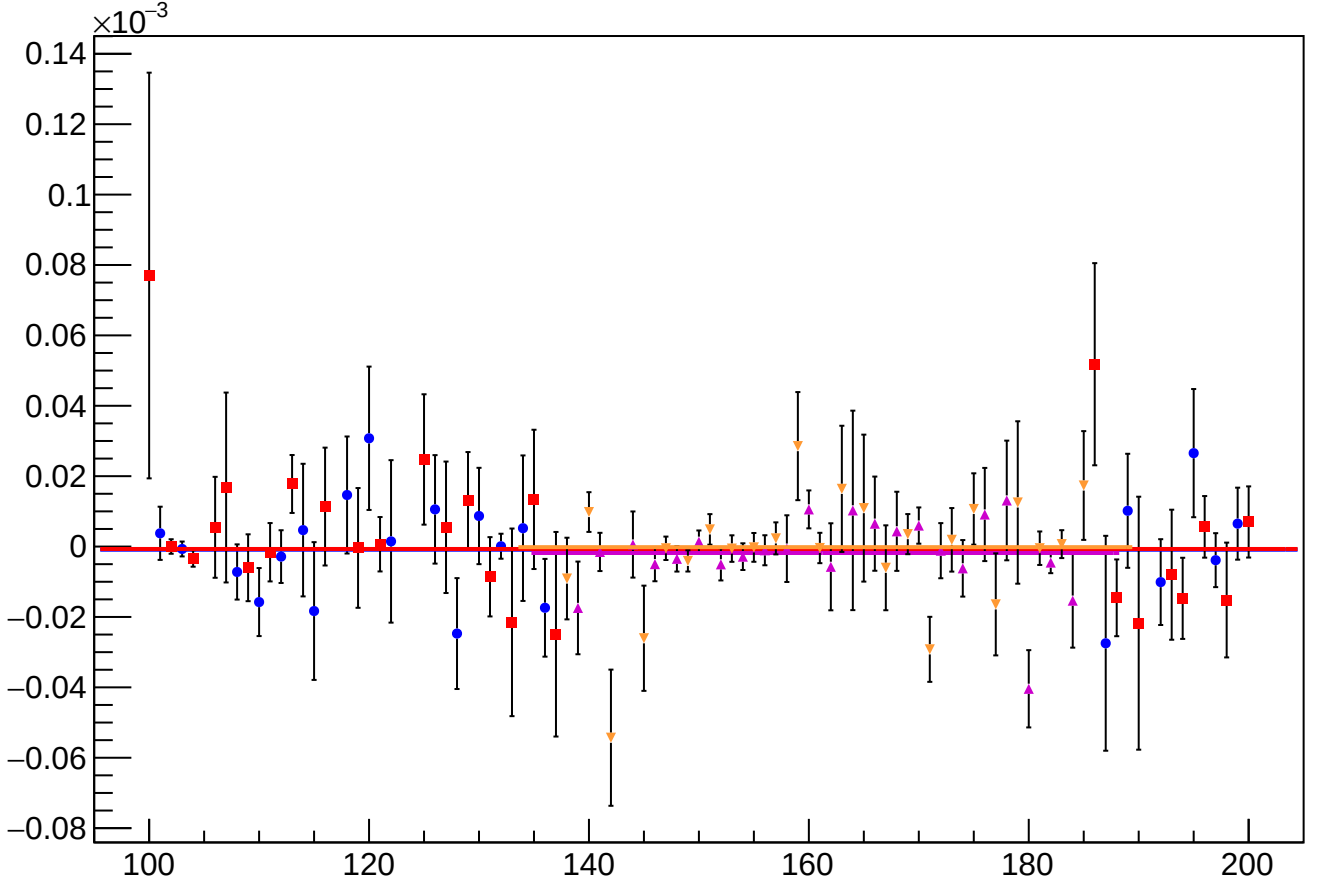
Right Out: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.745+/-0.024 χ^2/NDF: 12150248.1/45

All: 143.664+/-0.015 χ^2/NDF: 31081548.6/94

- sign 130.004+/-0.020 χ^2/NDF: 17784642.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

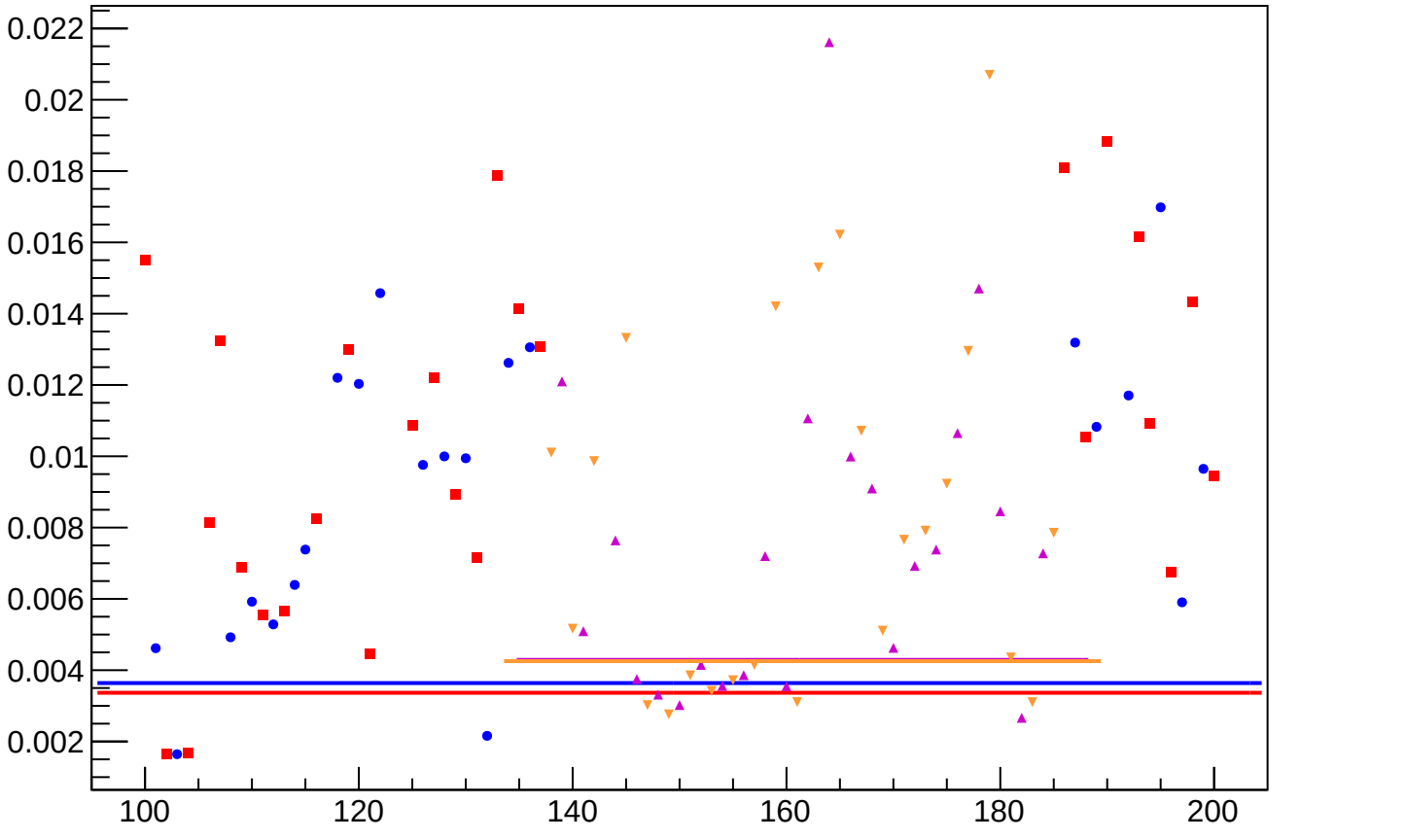
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/45

All: -0.000+/-0.000 χ^2/NDF: 107.6/94

- sign -0.000+/-0.000 χ^2/NDF: 52.5/48



Right In: 0.004+/-0.000 χ^2/NDF: 9628520.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

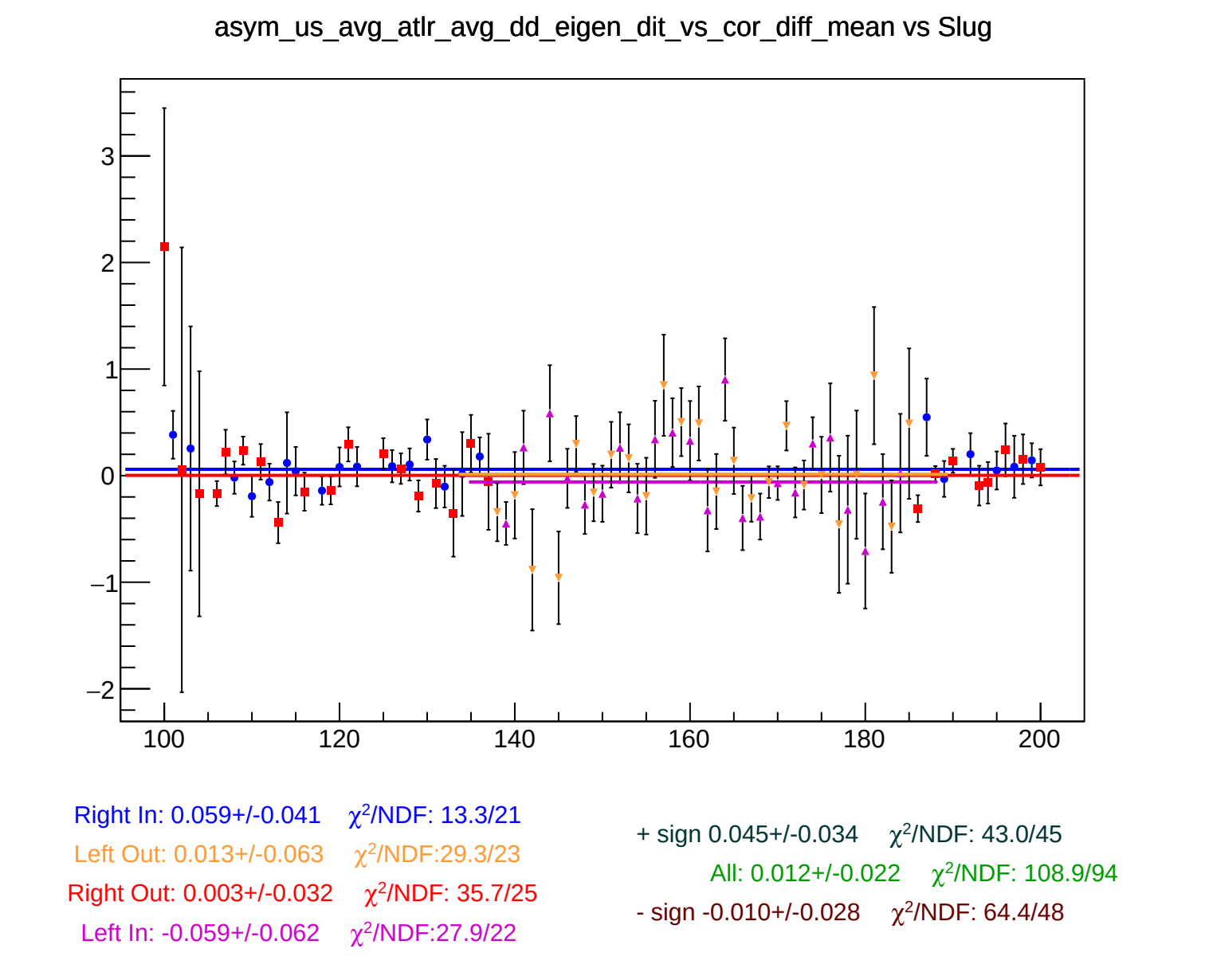
Right Out: 0.003+/-0.000 χ^2/NDF: 12641713.0/25

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 18329584.8/45

All: 0.004+/-0.000 χ^2/NDF: 38127216.4/94

- sign 0.004+/-0.000 χ^2/NDF: 19773466.5/48


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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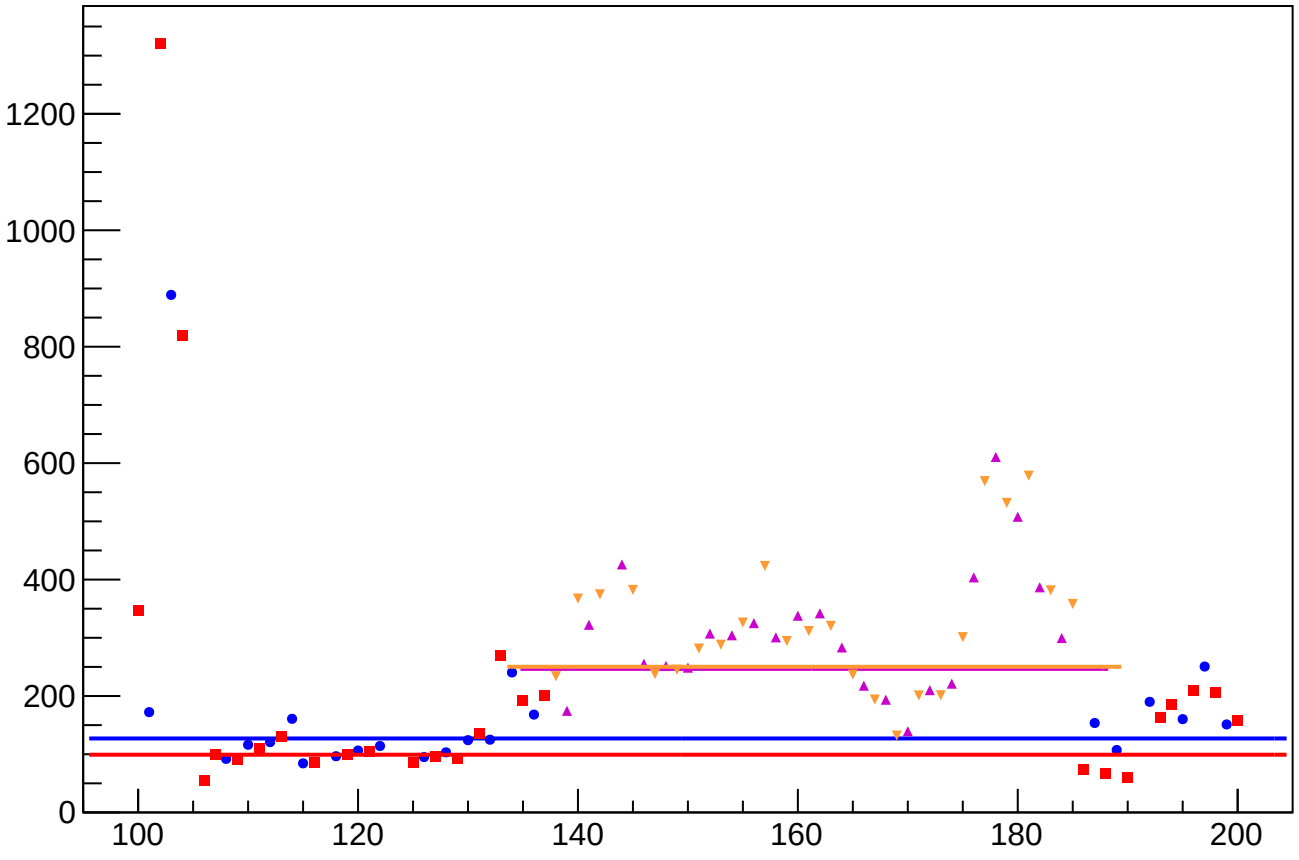
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.012+/-0.022 χ²/NDF: 108.9/94
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

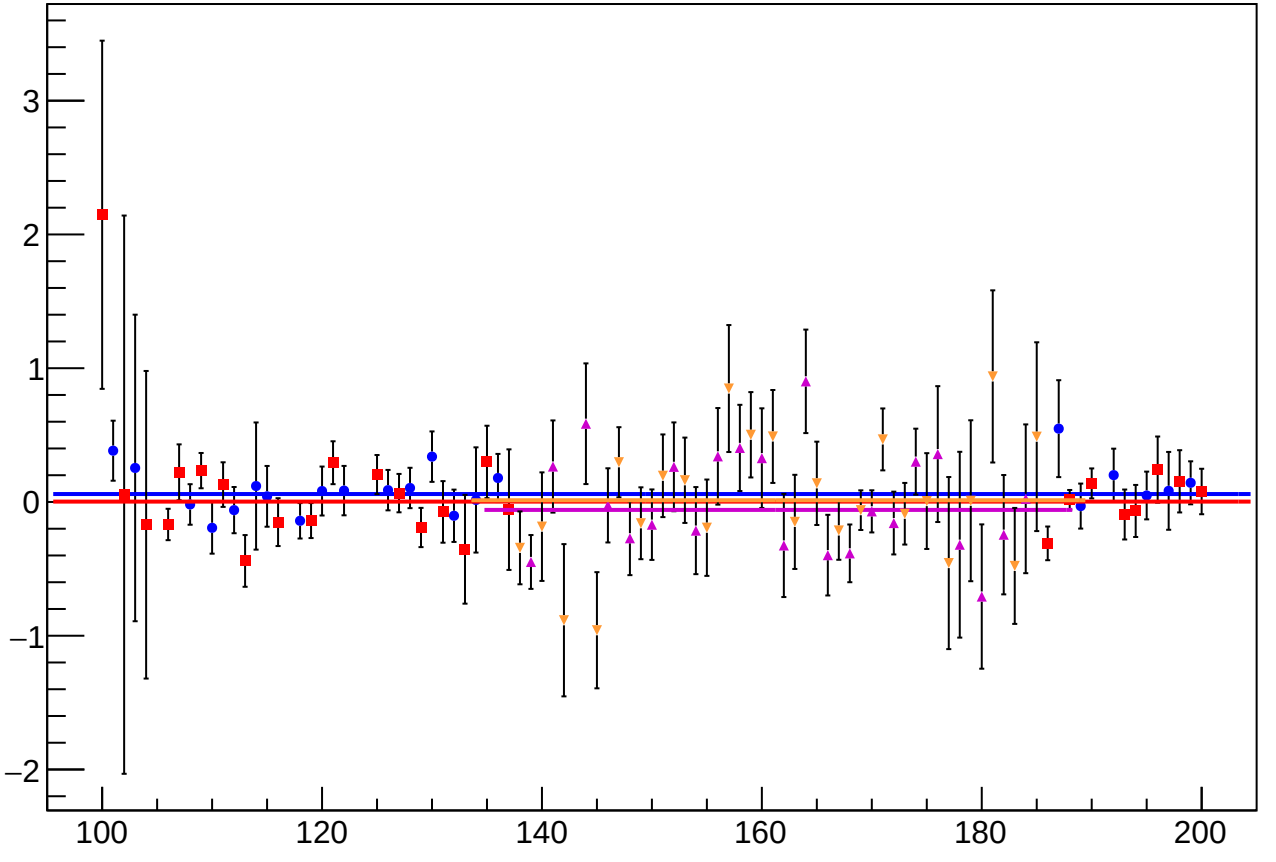
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.744+/-0.024 χ^2/NDF: 12150508.9/45

All: 143.660+/-0.015 χ^2/NDF: 31083460.4/94

- sign 129.998+/-0.020 χ^2/NDF: 17785968.2/48

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

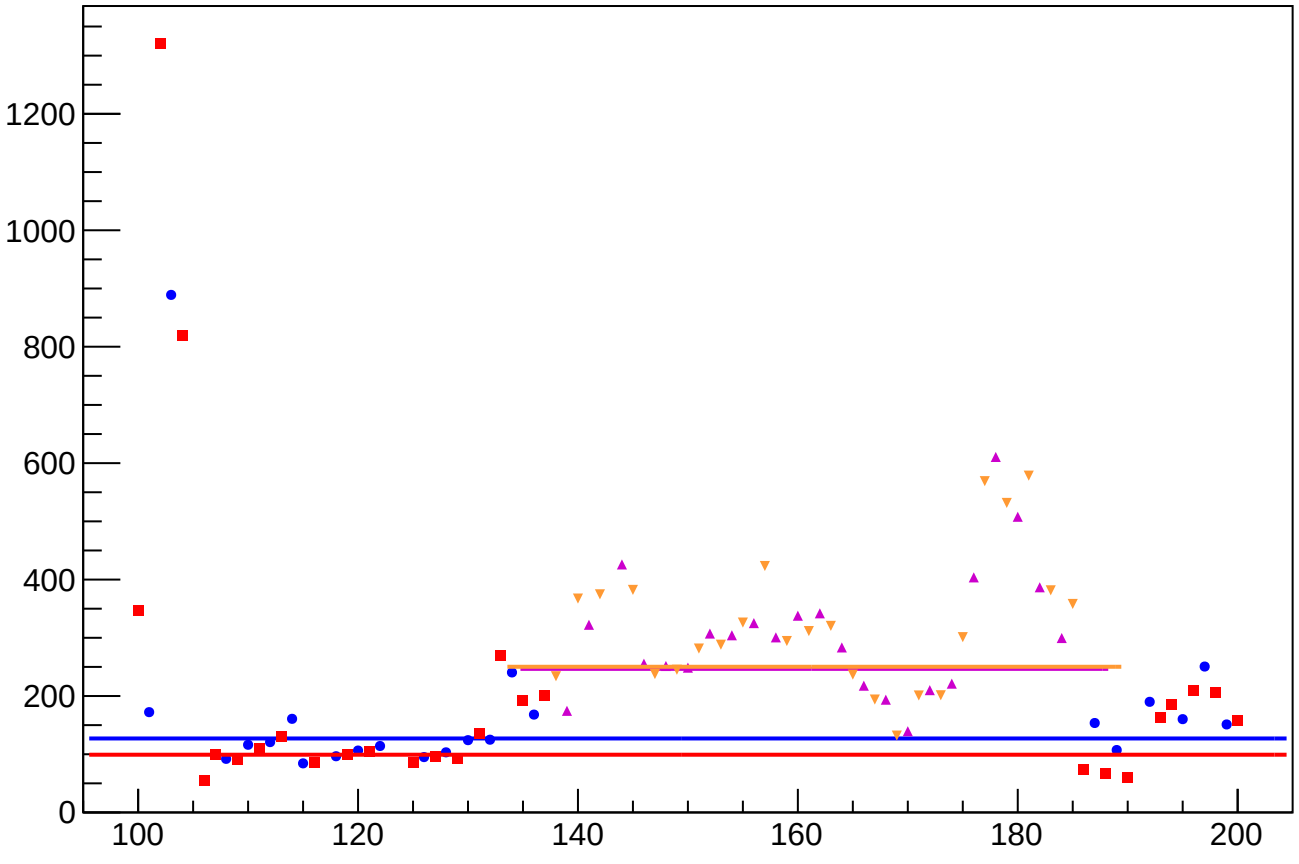
Right Out: 0.003+/-0.032 χ^2/NDF: 35.7/25

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.045+/-0.034 χ^2/NDF: 43.0/45

All: 0.012+/-0.022 χ^2/NDF: 108.9/94

- sign -0.010+/-0.028 χ^2/NDF: 64.4/48



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

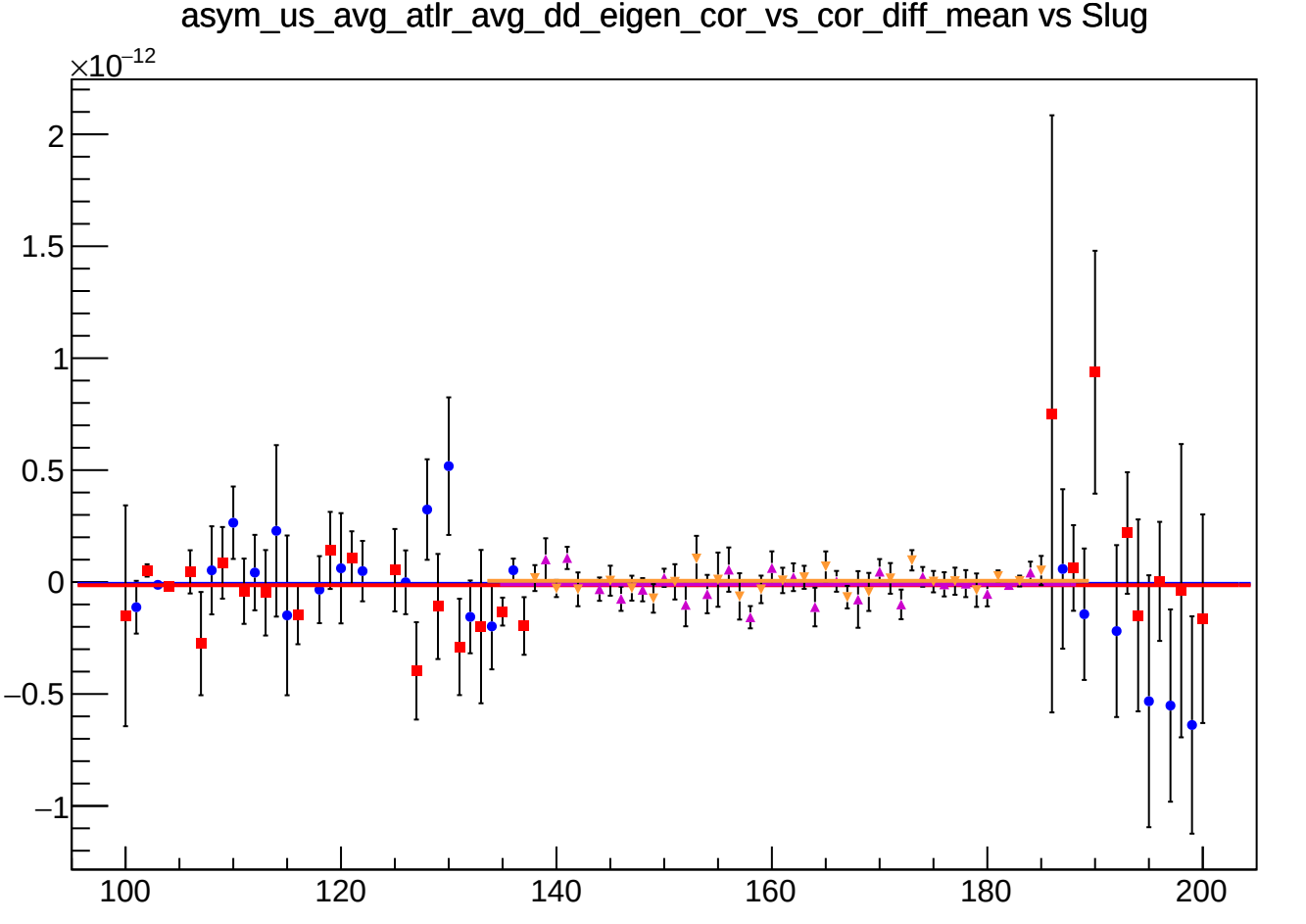
Right Out: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.744+/-0.024 χ^2/NDF: 12150508.9/45

All: 143.660+/-0.015 χ^2/NDF: 31083460.4/94

- sign 129.998+/-0.020 χ^2/NDF: 17785968.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

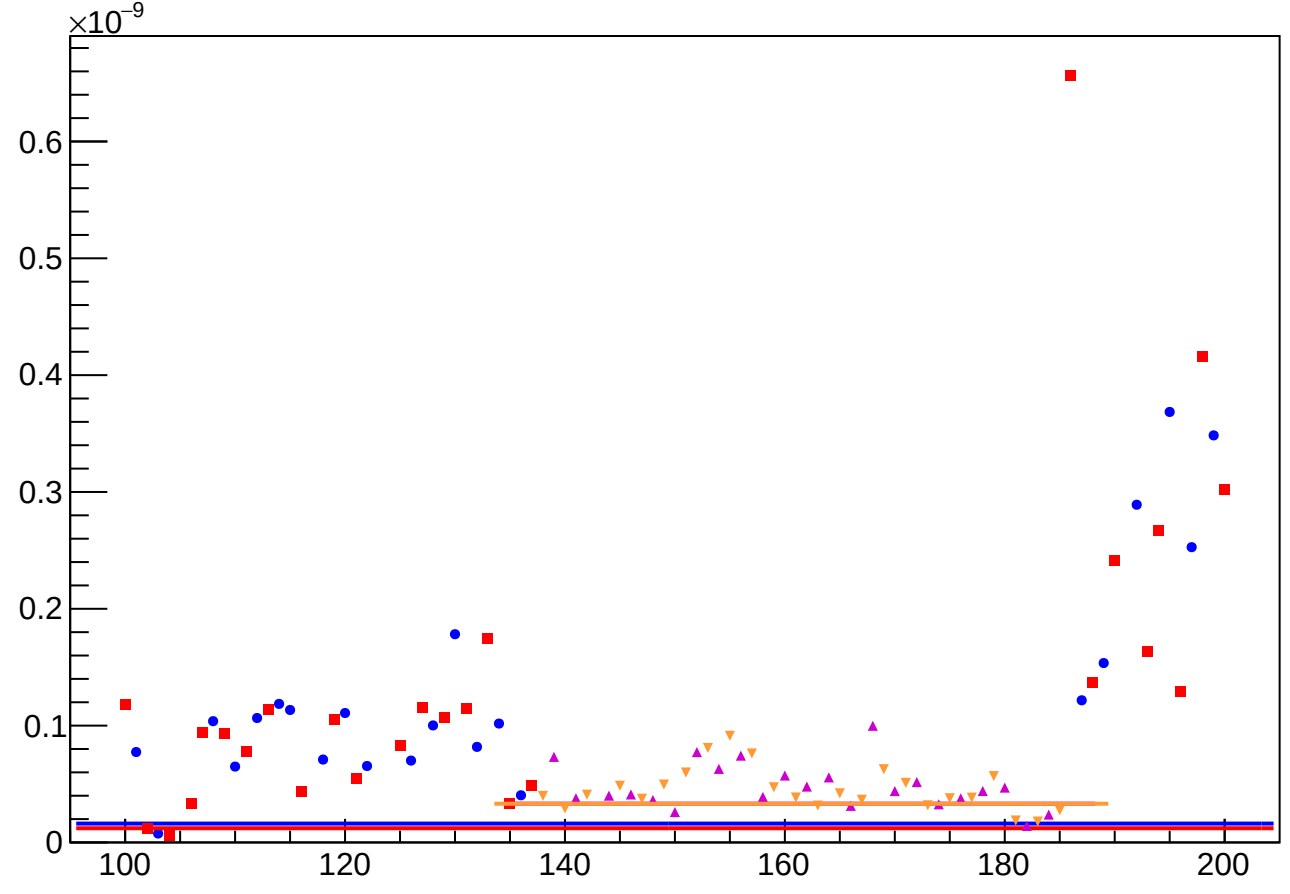
Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/25

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/45

All: -0.000+/-0.000 χ^2/NDF: 88.0/94

- sign -0.000+/-0.000 χ^2/NDF: 54.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 9866214.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10815922.8/25

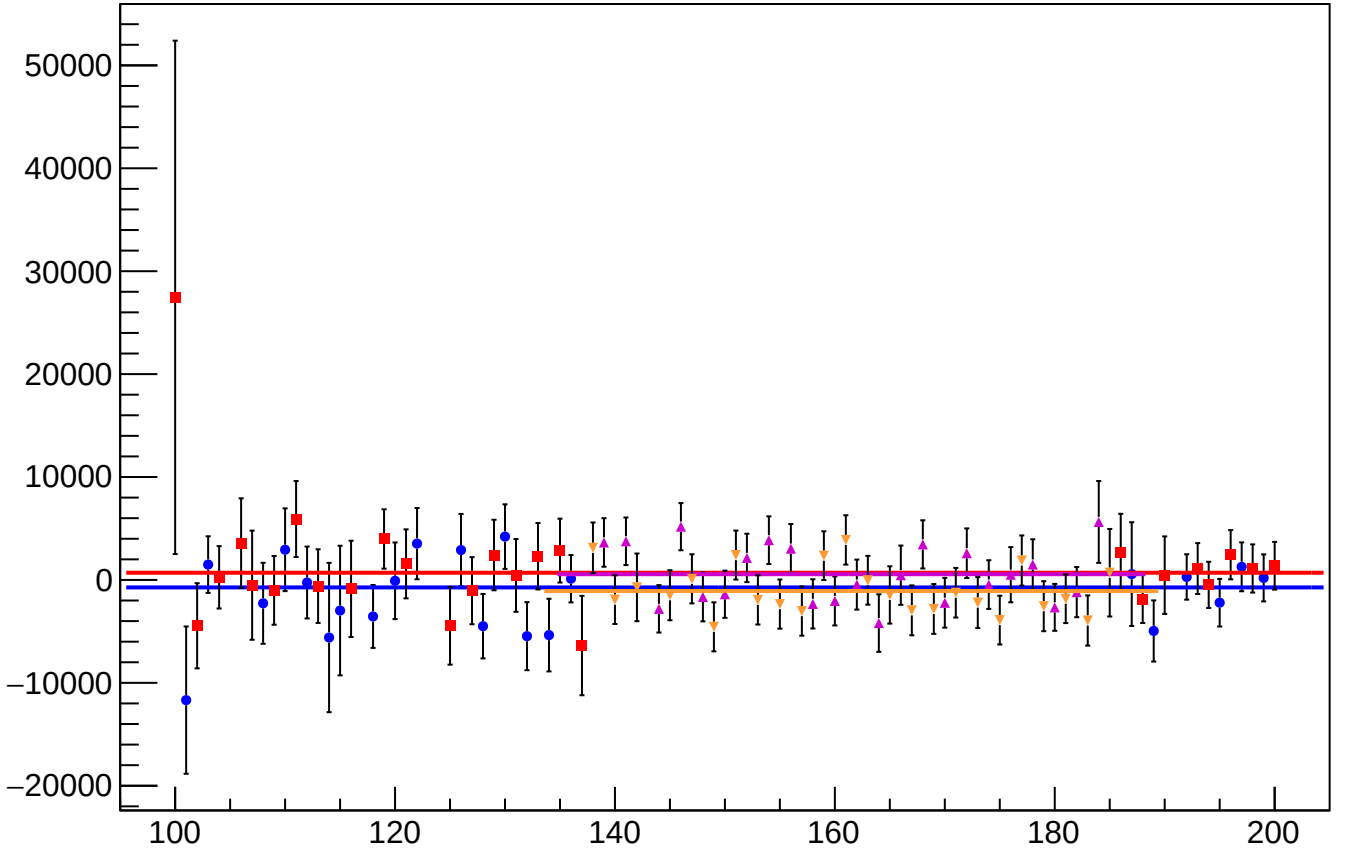
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16078829.0/45

All: 0.000+/-0.000 χ^2/NDF: 36489858.2/94

- sign 0.000+/-0.000 χ^2/NDF: 20125682.8/48

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -727.412+/-670.015 χ^2/NDF: 19.5/21

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 699.300+/-625.448 χ^2/NDF: 14.8/25

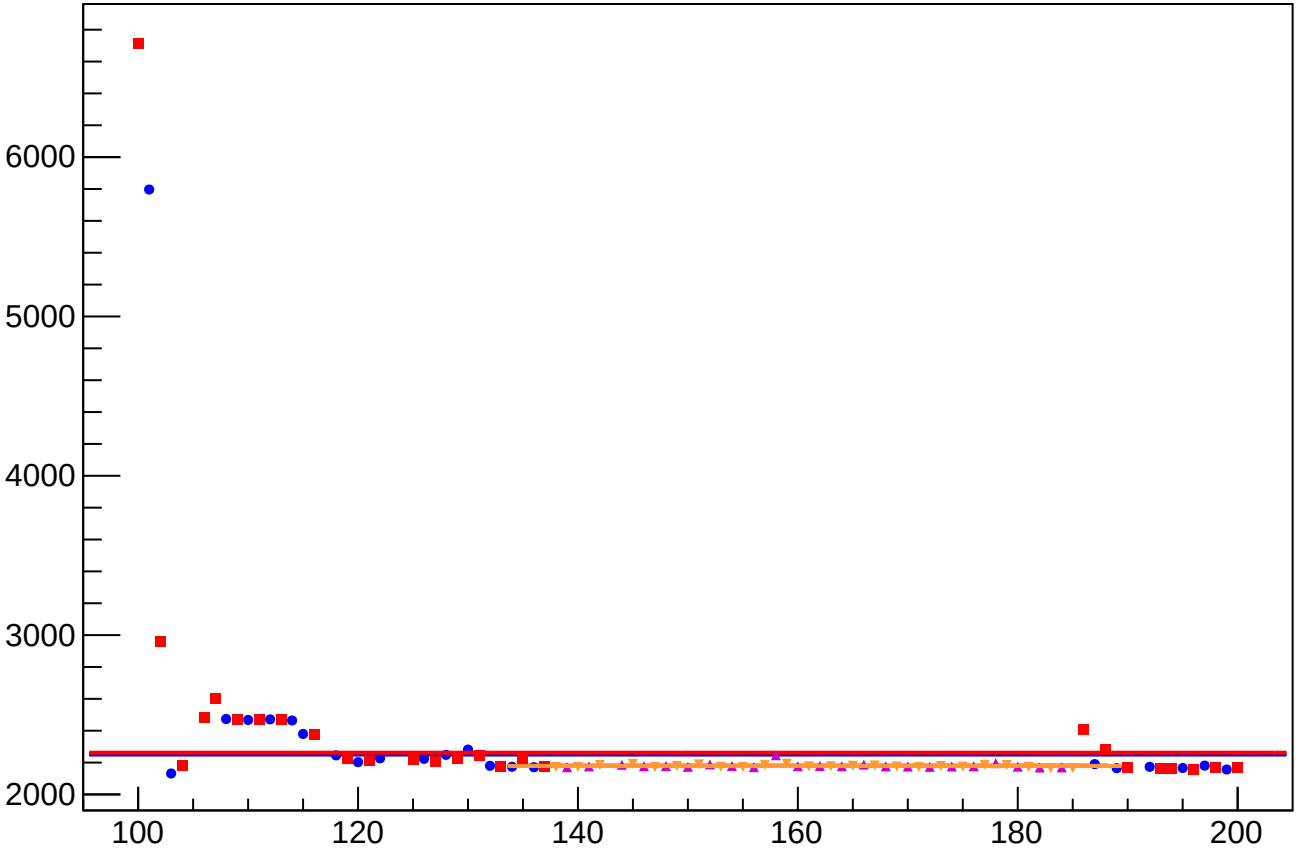
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -947.544+/-403.552 χ^2/NDF: 41.2/45

All: -149.948+/-282.240 χ^2/NDF: 92.4/94

- sign 613.755+/-394.885 χ^2/NDF: 43.5/48

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.5/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

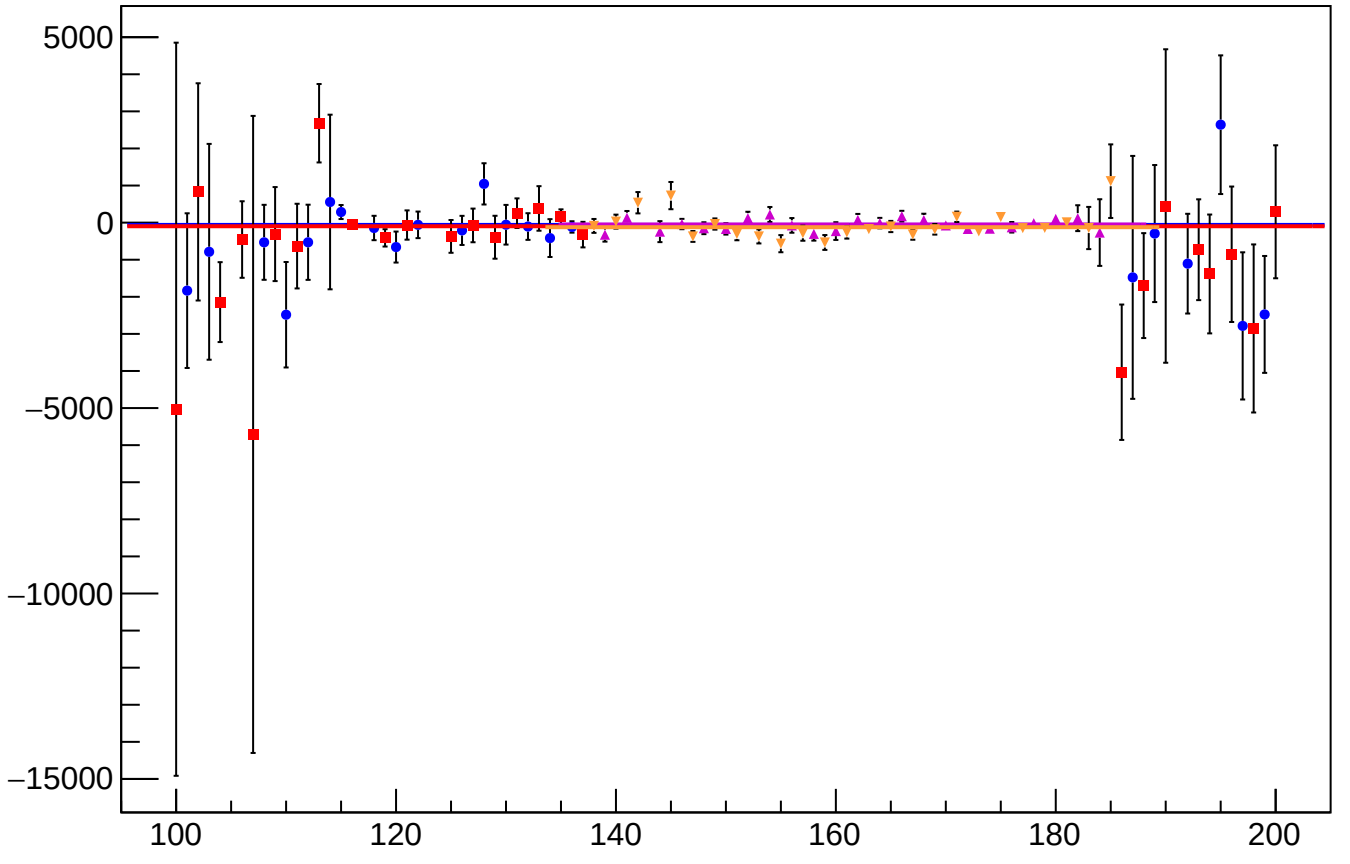
Right Out: 2262.152+/-0.442 χ^2/NDF: 183175.6/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.4/45

All: 2208.942+/-0.200 χ^2/NDF: 755574.4/94

- sign 2213.300+/-0.279 χ^2/NDF: 205331.0/48



Right In: -61.712+/-90.215 χ^2/NDF: 21.5/21

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

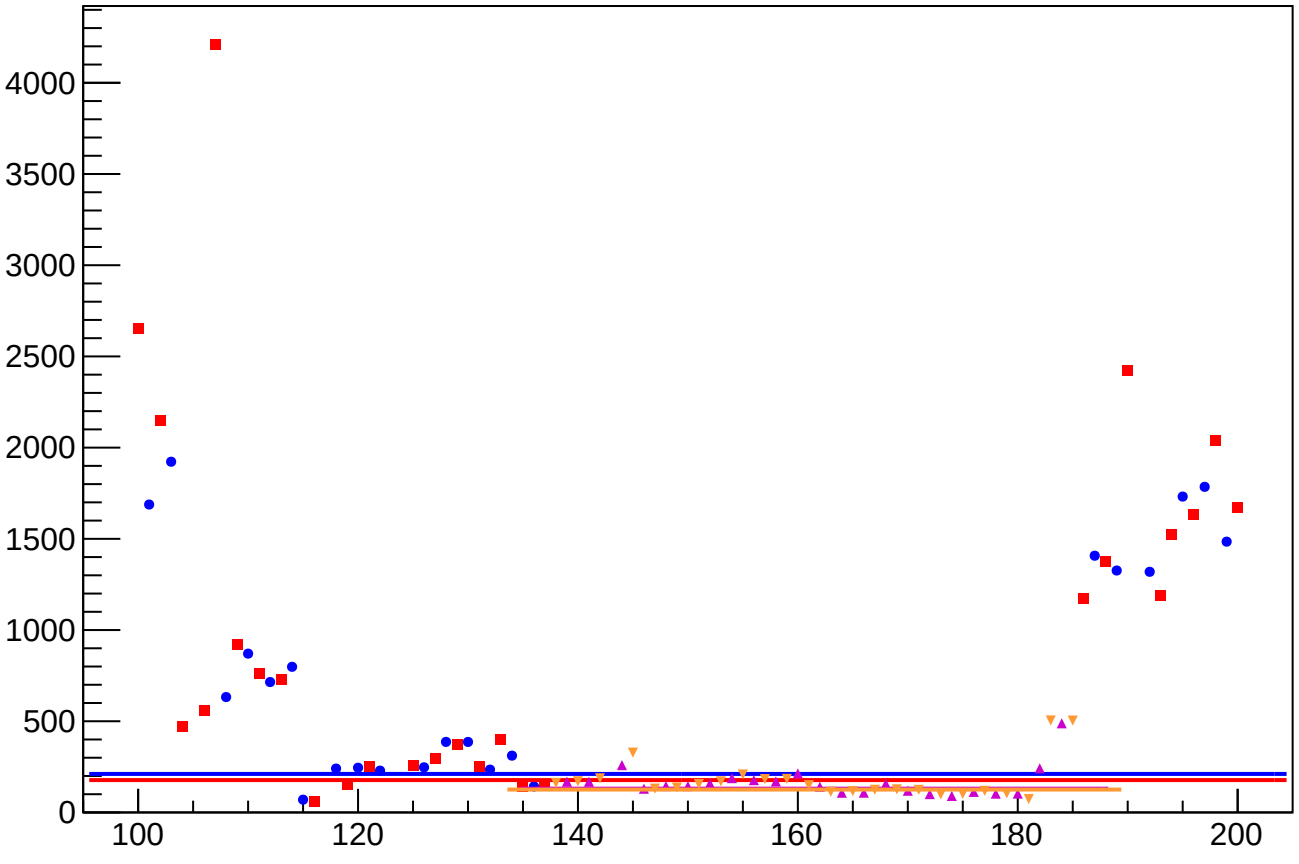
Right Out: -97.527+/-81.668 χ^2/NDF: 26.2/25

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.381+/-29.662 χ^2/NDF: 65.7/45

All: -87.152+/-21.173 χ^2/NDF: 112.5/94

- sign -56.786+/-30.233 χ^2/NDF: 44.7/48



Right In: 211.206+/-0.064 χ^2/NDF: 11400274.2/21

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 177.478+/-0.058 χ^2/NDF: 15433625.2/25

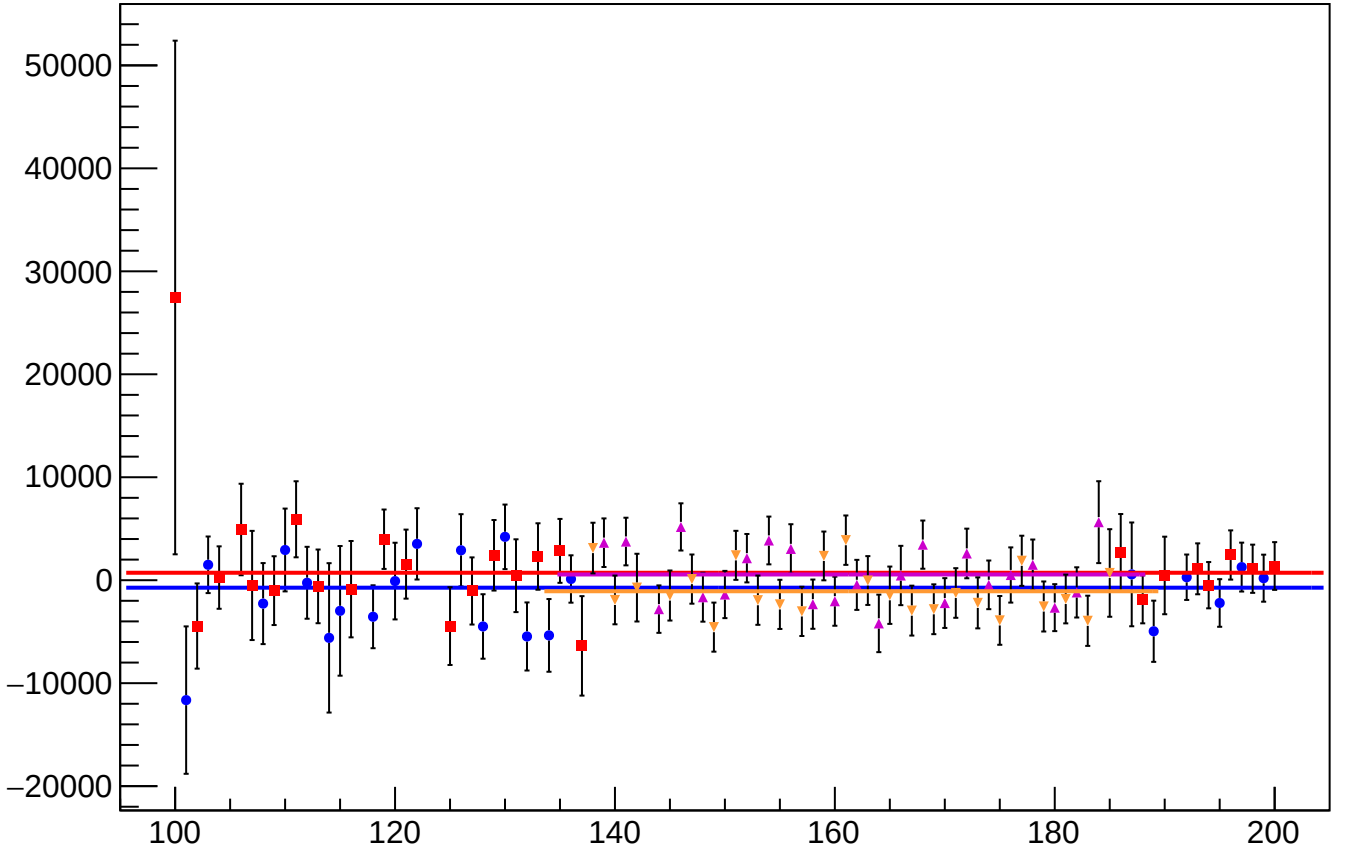
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 134.771+/-0.021 χ^2/NDF: 16952700.3/45

All: 135.807+/-0.015 χ^2/NDF: 35643632.7/94

- sign 136.883+/-0.021 χ^2/NDF: 18685957.9/48

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 723.602+/-625.716 χ^2/NDF: 15.3/25

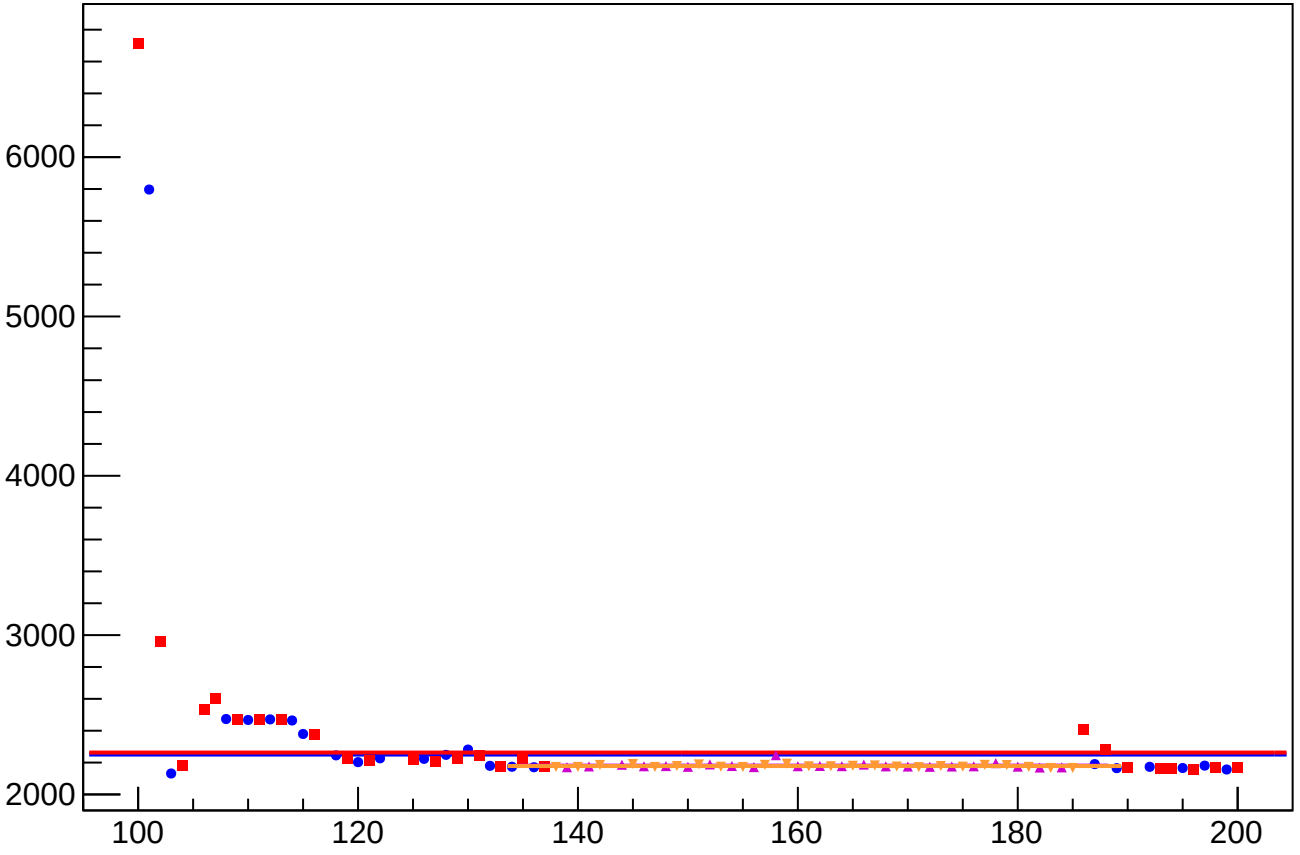
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -947.294+/-403.552 χ^2/NDF: 41.2/45

All: -145.020+/-282.265 χ^2/NDF: 92.9/94

- sign 623.424+/-394.952 χ^2/NDF: 44.0/48

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

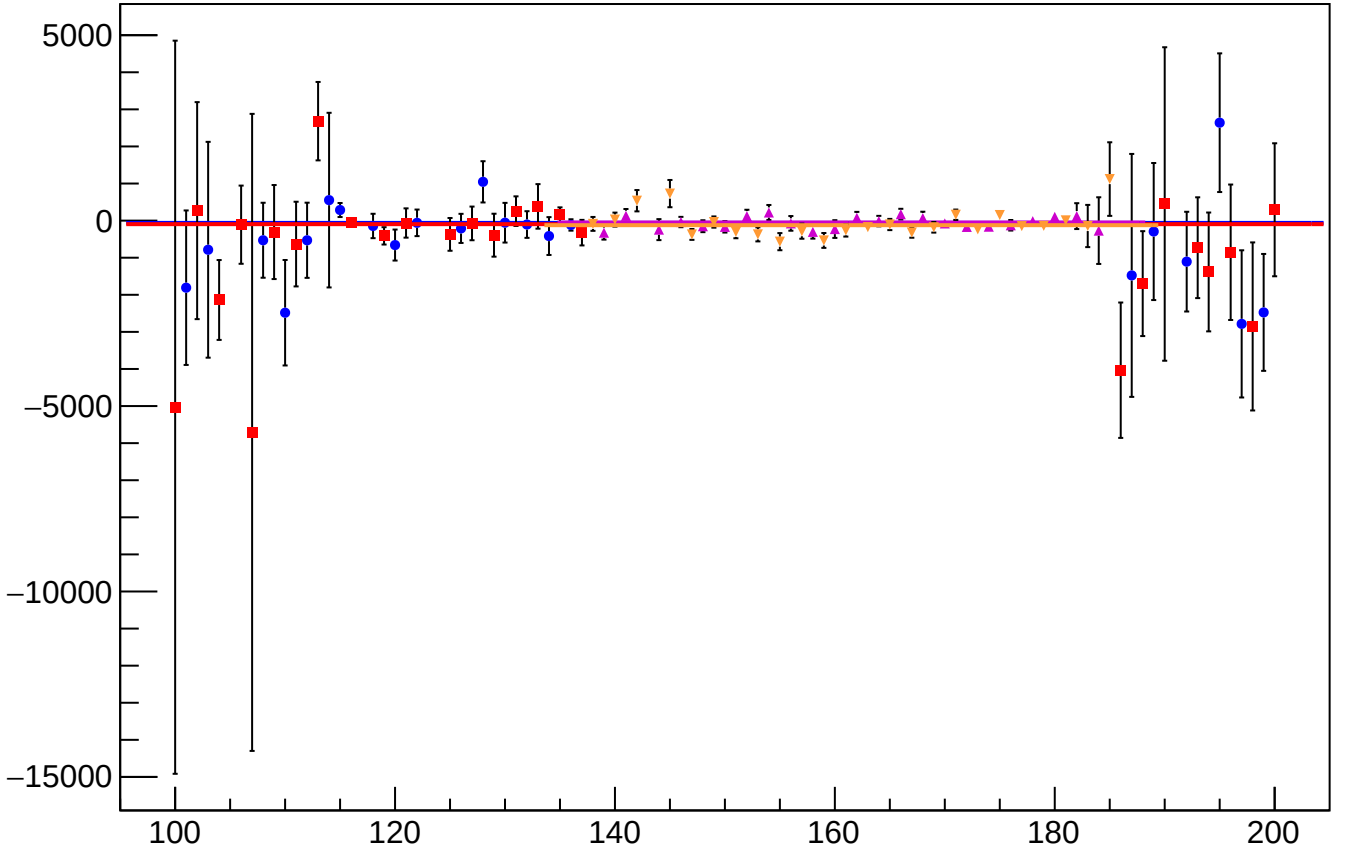
Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.7/45

All: 2209.098+/-0.200 χ^2/NDF: 758326.7/94

- sign 2213.608+/-0.279 χ^2/NDF: 208048.0/48

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

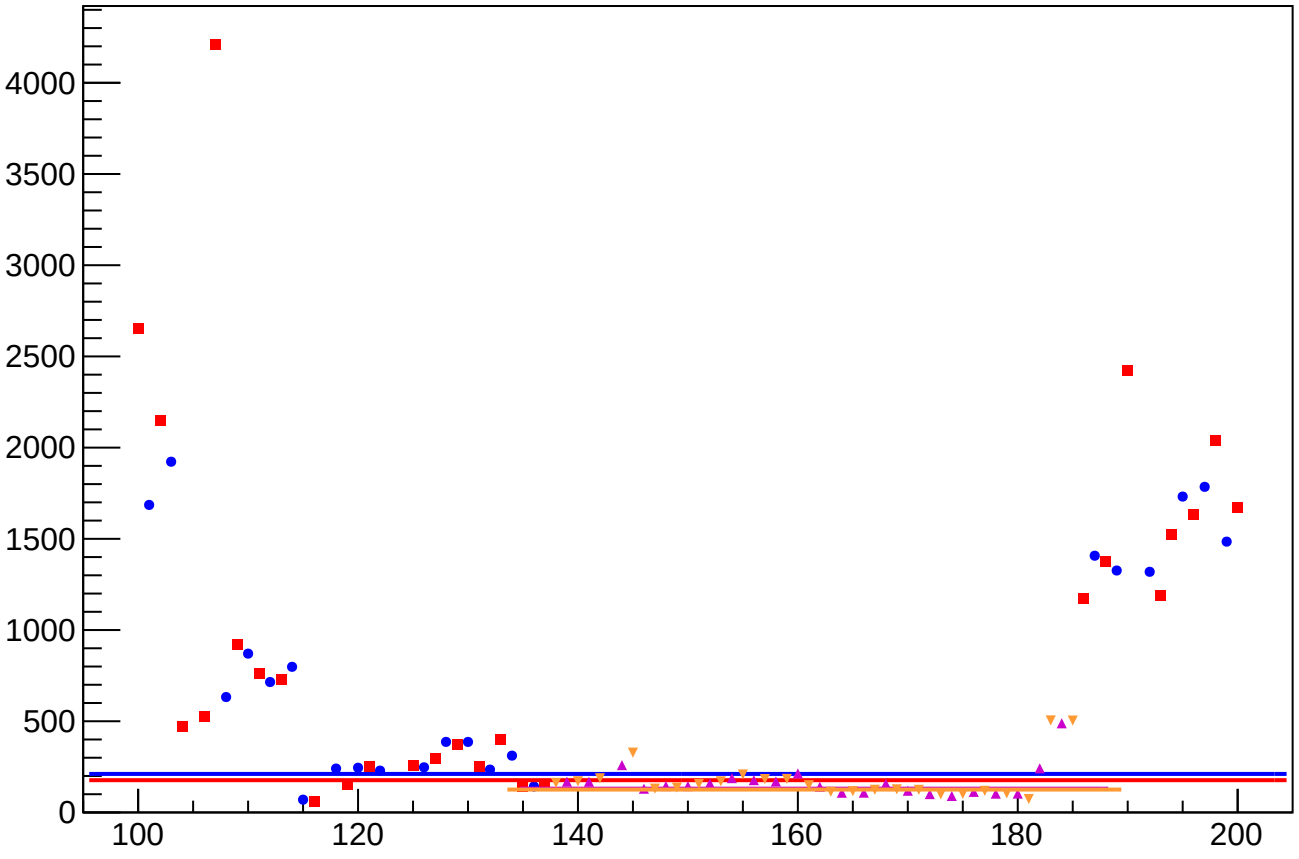
Right Out: -95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.315+/-29.662 χ^2/NDF: 65.7/45

All: -86.942+/-21.173 χ^2/NDF: 112.2/94

- sign -56.429+/-30.232 χ^2/NDF: 44.5/48



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

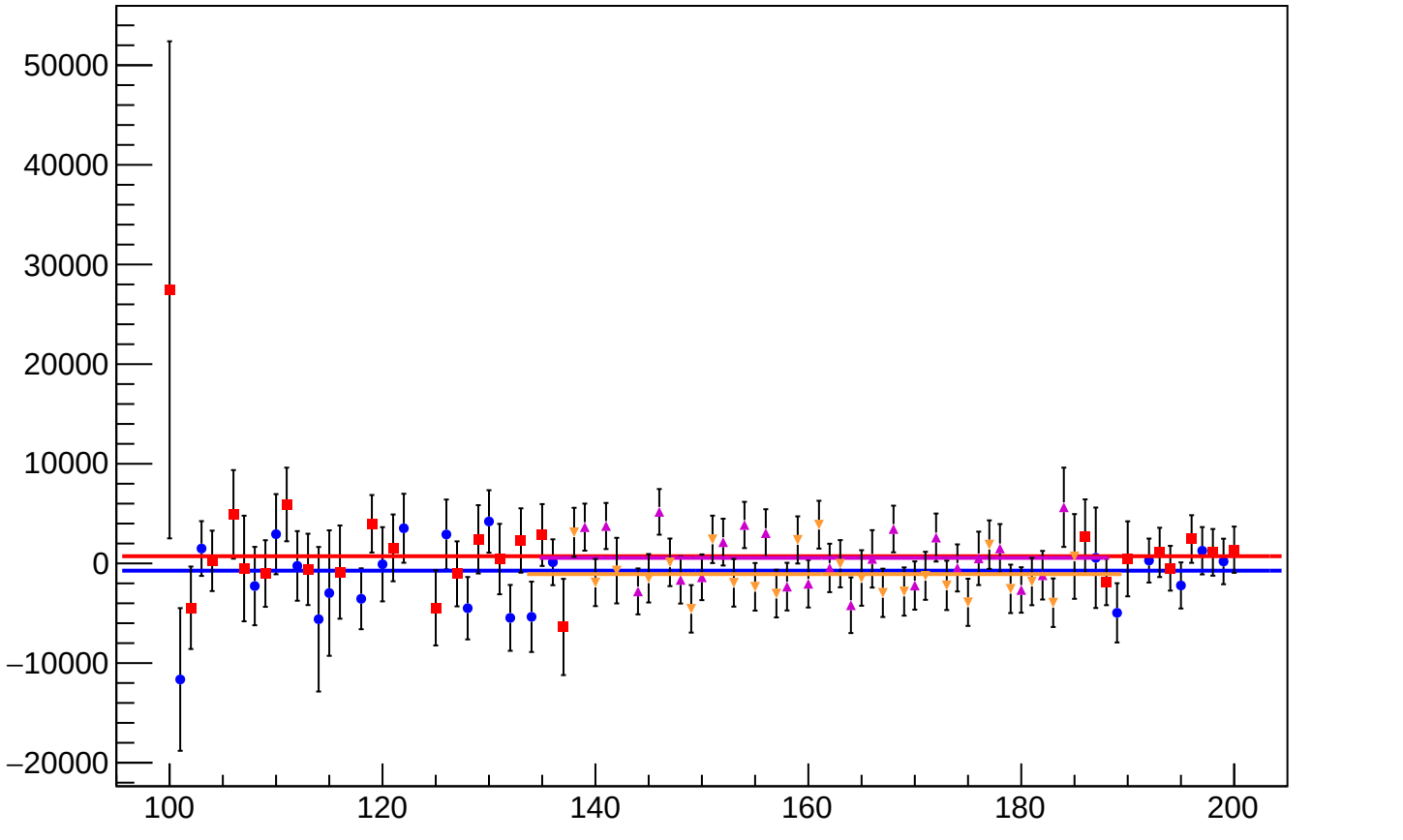
Right Out: 176.899+/-0.058 χ^2/NDF: 15395653.2/25

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.769+/-0.021 χ^2/NDF: 16953117.5/45

All: 135.778+/-0.015 χ^2/NDF: 35591813.1/94

- sign 136.825+/-0.021 χ^2/NDF: 18633981.2/48



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 723.602+/-625.716 χ^2/NDF: 15.3/25

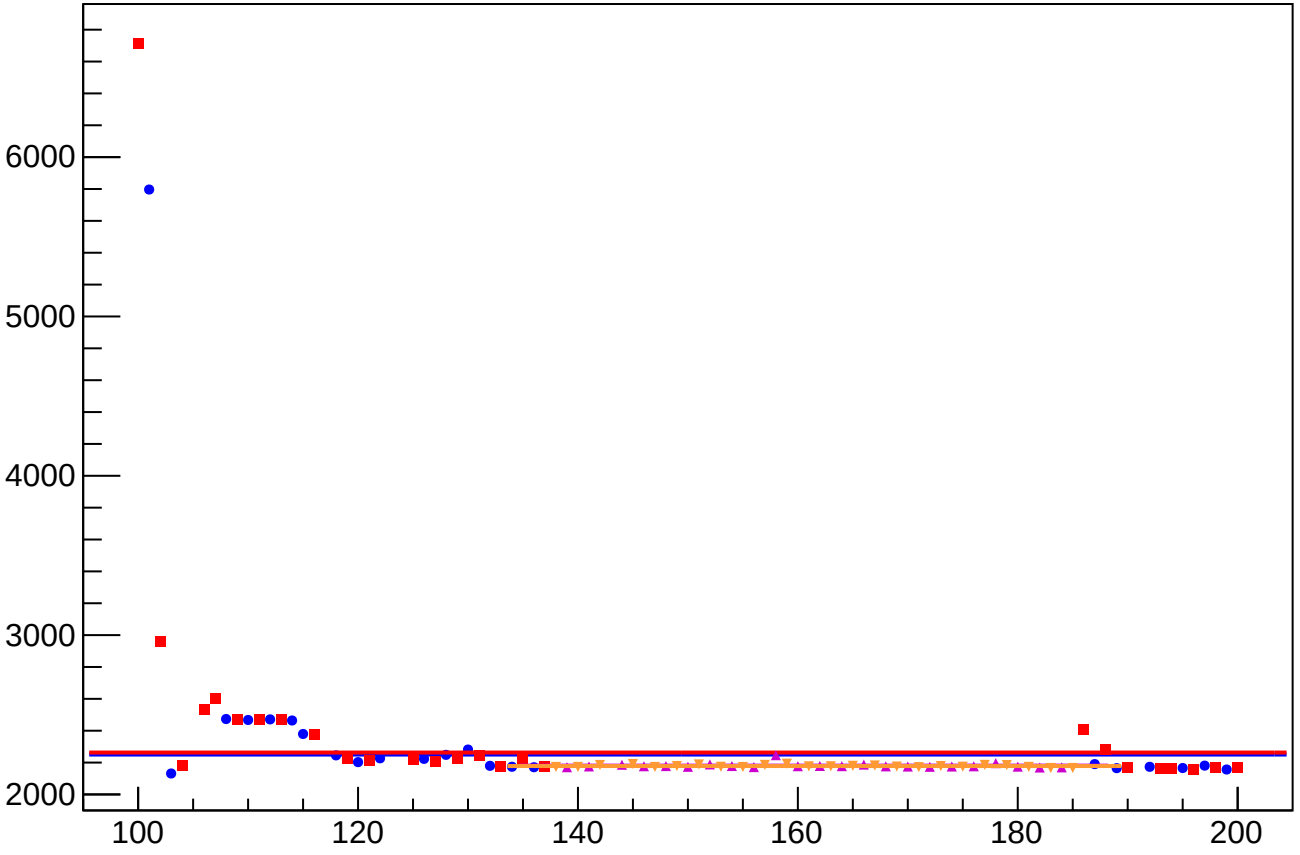
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -947.294+/-403.552 χ^2/NDF: 41.2/45

All: -145.020+/-282.265 χ^2/NDF: 92.9/94

- sign 623.424+/-394.952 χ^2/NDF: 44.0/48

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

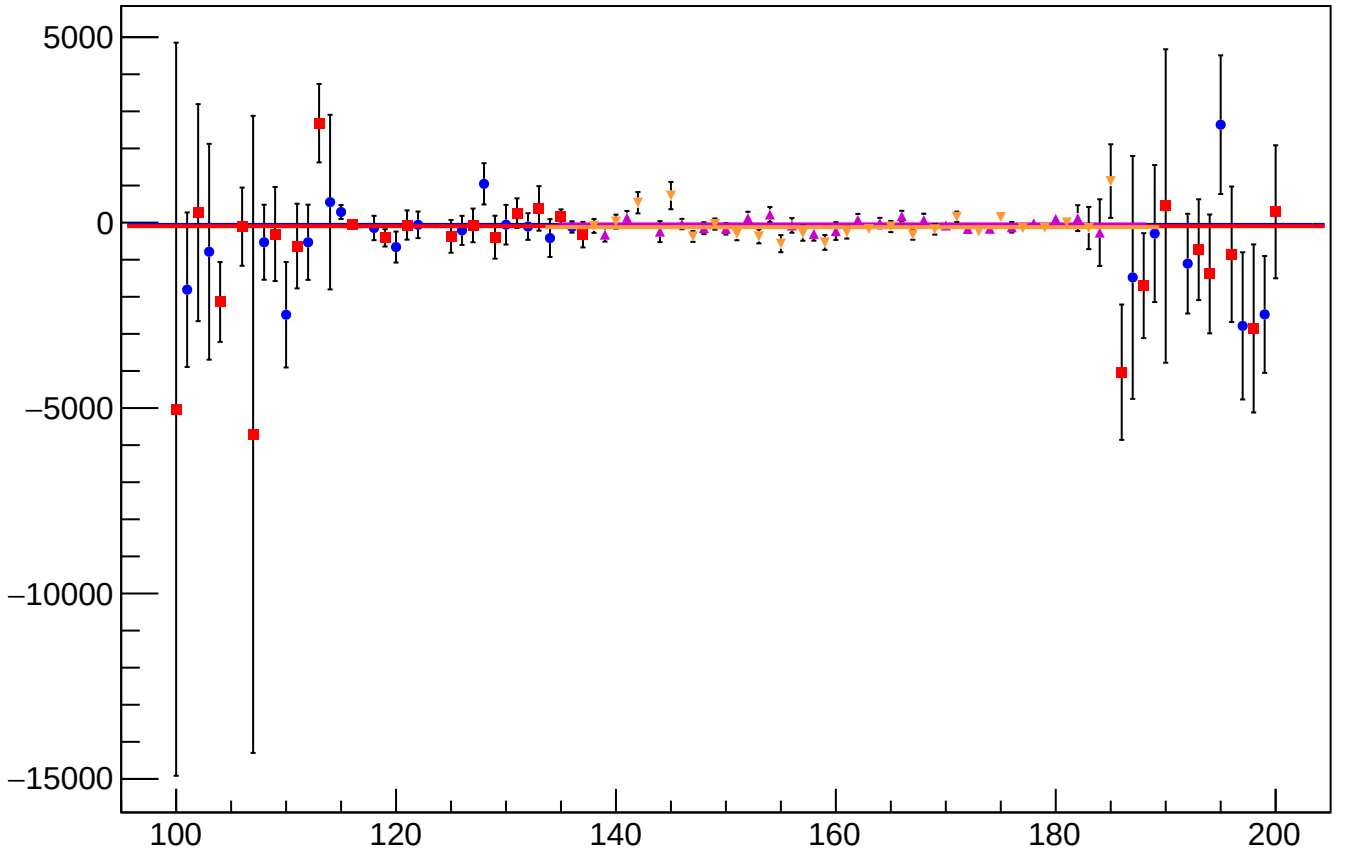
Right Out: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.7/45

All: 2209.098+/-0.200 χ^2/NDF: 758326.7/94

- sign 2213.608+/-0.279 χ^2/NDF: 208048.0/48



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

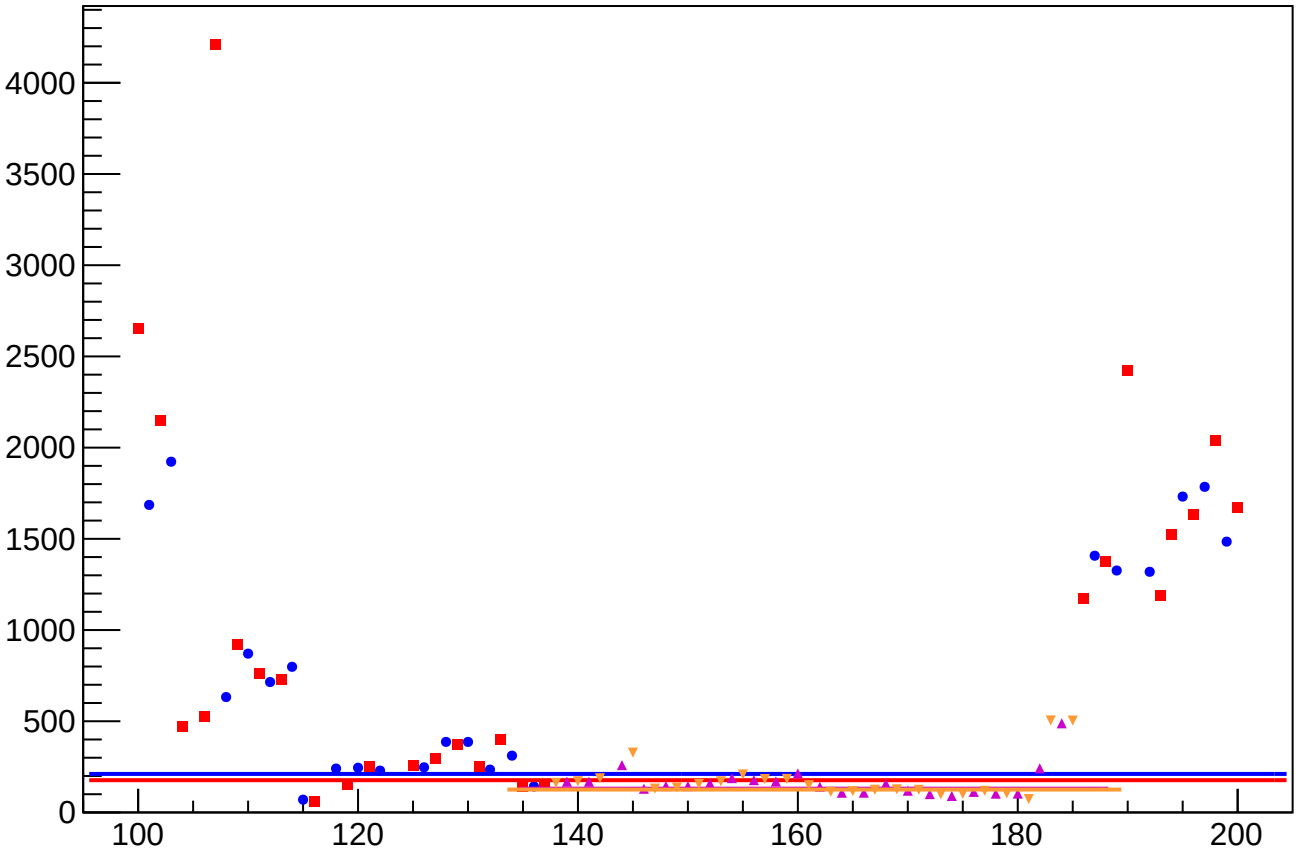
Right Out: -95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.315+/-29.662 χ^2/NDF: 65.7/45

All: -86.942+/-21.173 χ^2/NDF: 112.2/94

- sign -56.429+/-30.232 χ^2/NDF: 44.5/48



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 176.899+/-0.058 χ^2/NDF: 15395653.2/25

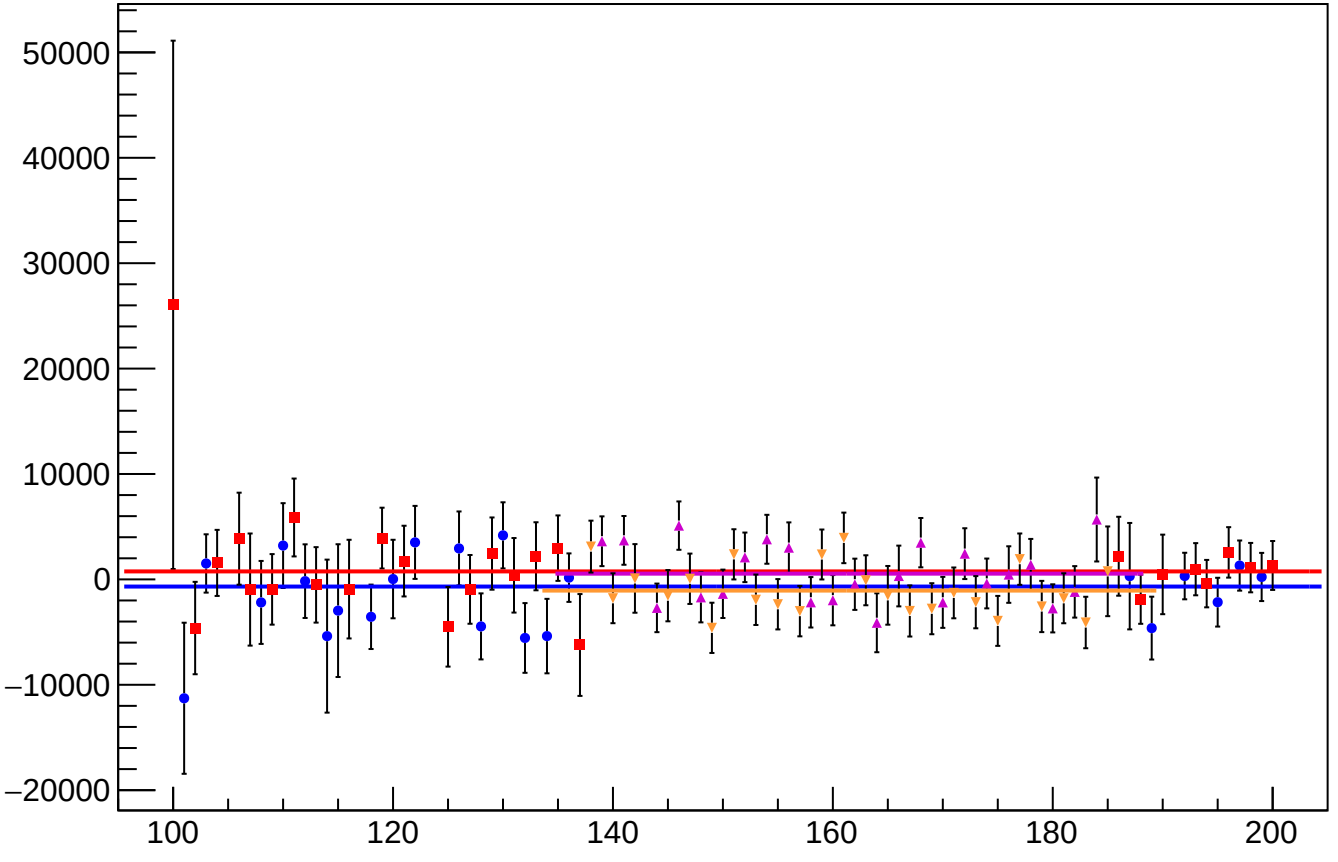
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.769+/-0.021 χ^2/NDF: 16953117.5/45

All: 135.778+/-0.015 χ^2/NDF: 35591813.1/94

- sign 136.825+/-0.021 χ^2/NDF: 18633981.2/48

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -679.974+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 756.996+/-627.639 χ^2/NDF: 14.5/25

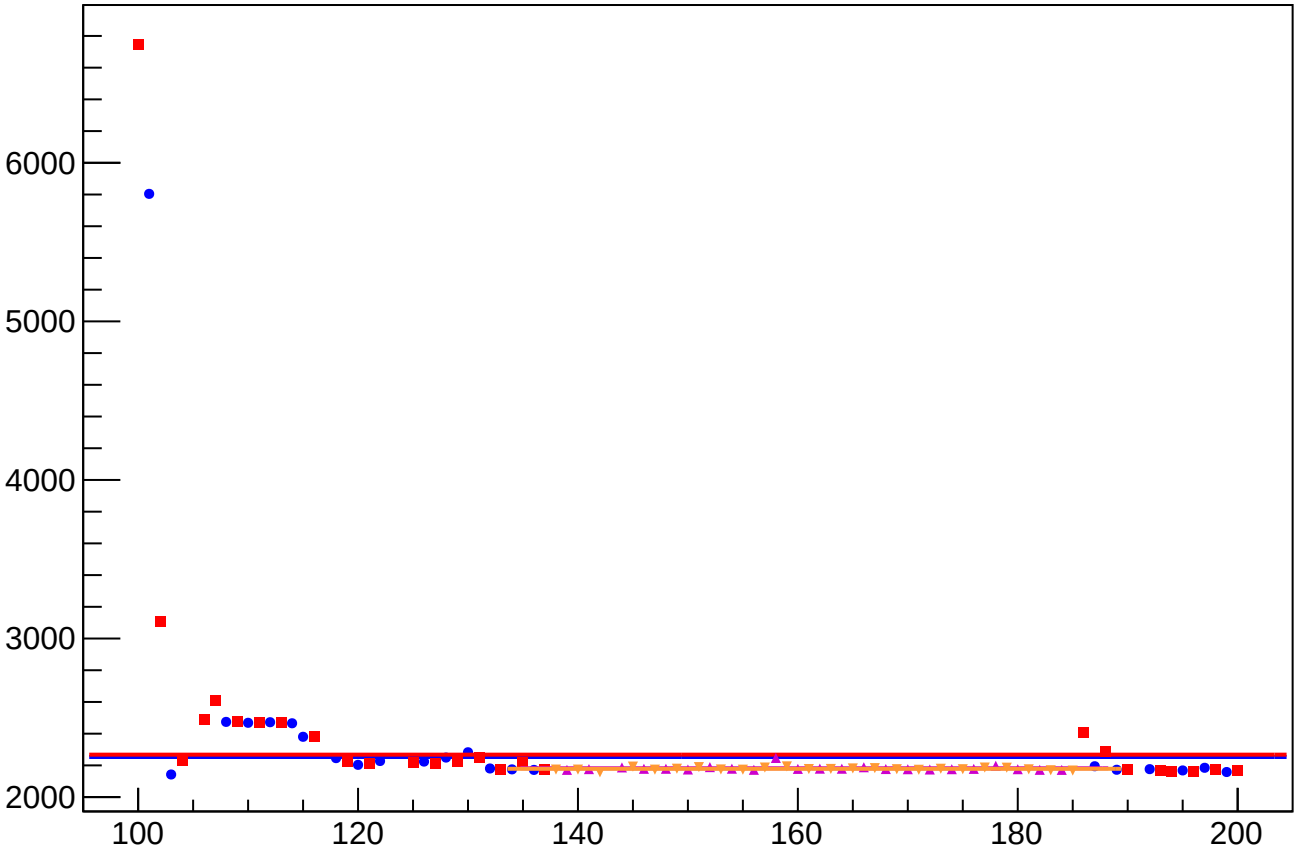
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -923.837+/-403.780 χ^2/NDF: 41.2/45

All: -131.539+/-282.557 χ^2/NDF: 91.2/94

- sign 628.749+/-395.540 χ^2/NDF: 42.5/48

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2267.670+/-0.444 χ^2/NDF: 200693.9/25

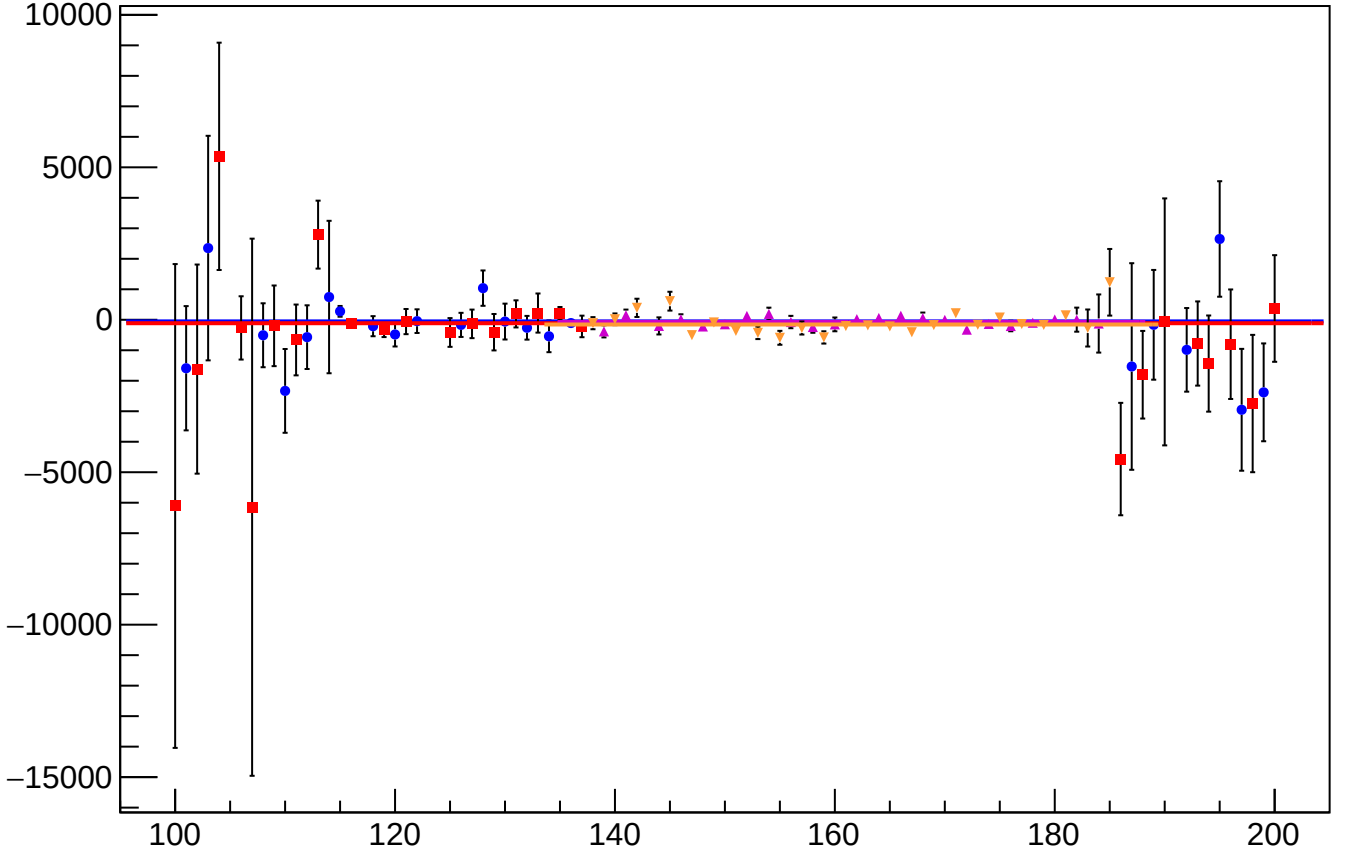
Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2205.483+/-0.286 χ^2/NDF: 549967.6/45

All: 2210.826+/-0.200 χ^2/NDF: 775711.0/94

- sign 2215.953+/-0.280 χ^2/NDF: 225057.1/48

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -53.236+/-91.690 χ^2/NDF: 21.0/21

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

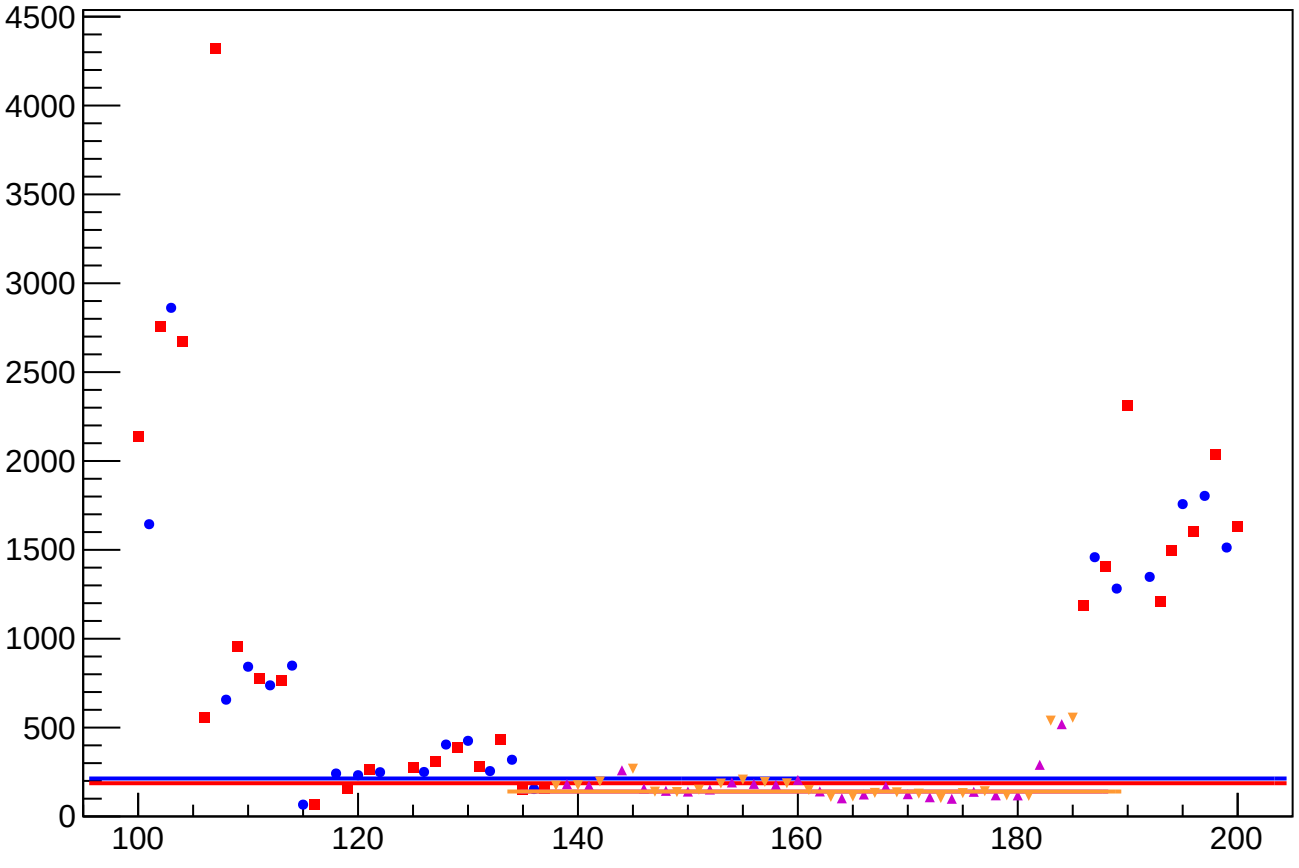
Right Out: -112.934+/-85.270 χ^2/NDF: 24.8/25

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

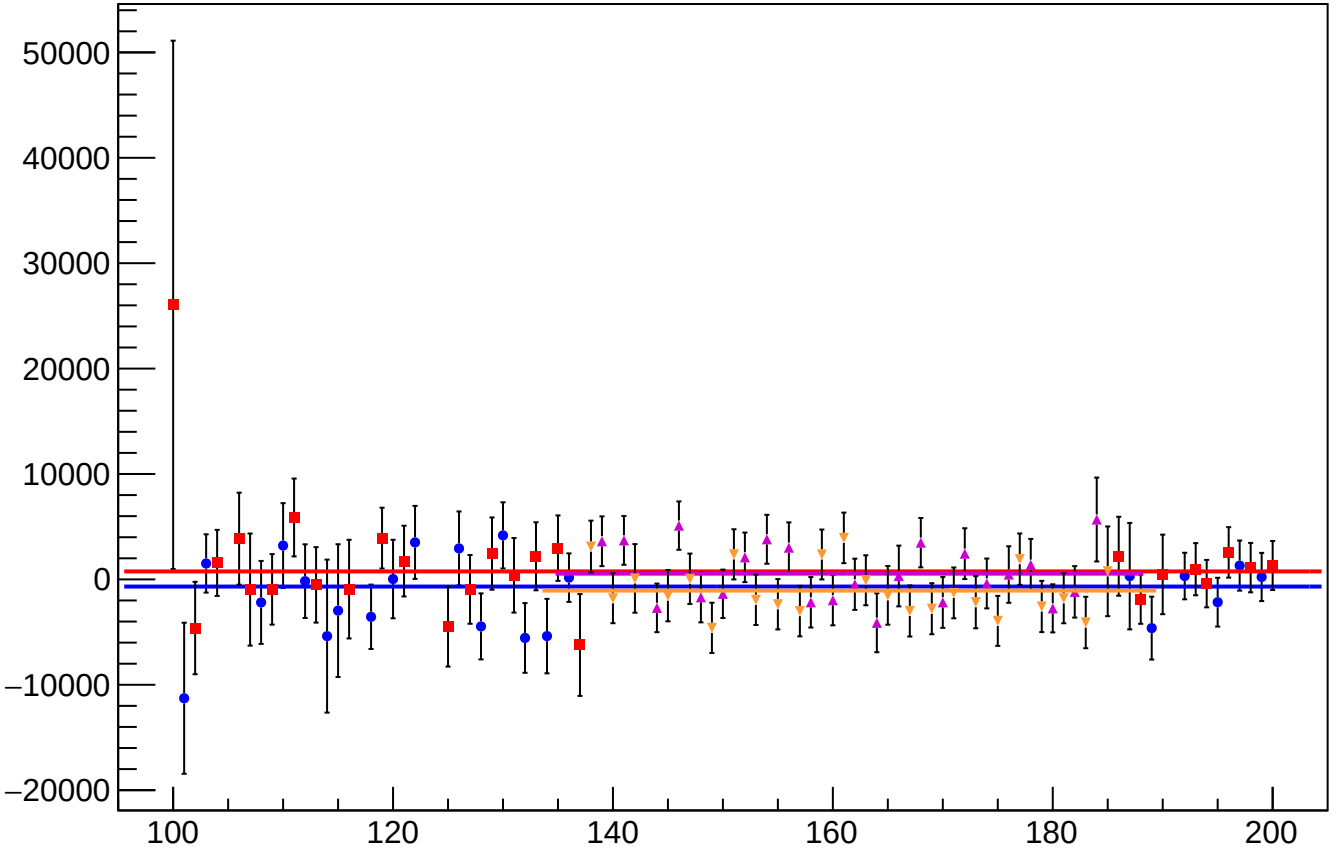
+ sign -142.418+/-31.929 χ^2/NDF: 69.4/45

All: -109.055+/-22.512 χ^2/NDF: 115.5/94

- sign -76.073+/-31.746 χ^2/NDF: 44.0/48


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 213.535+/-0.065 χ²/NDF: 11965029.8/21
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 186.959+/-0.060 χ²/NDF: 16245838.1/25
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 149.197+/-0.023 χ²/NDF: 15845963.2/45
All: 147.836+/-0.016 χ²/NDF: 35034448.2/94
- sign 146.490+/-0.022 χ²/NDF: 19181256.1/48

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -679.975+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 756.995+/-627.639 χ^2/NDF: 14.5/25

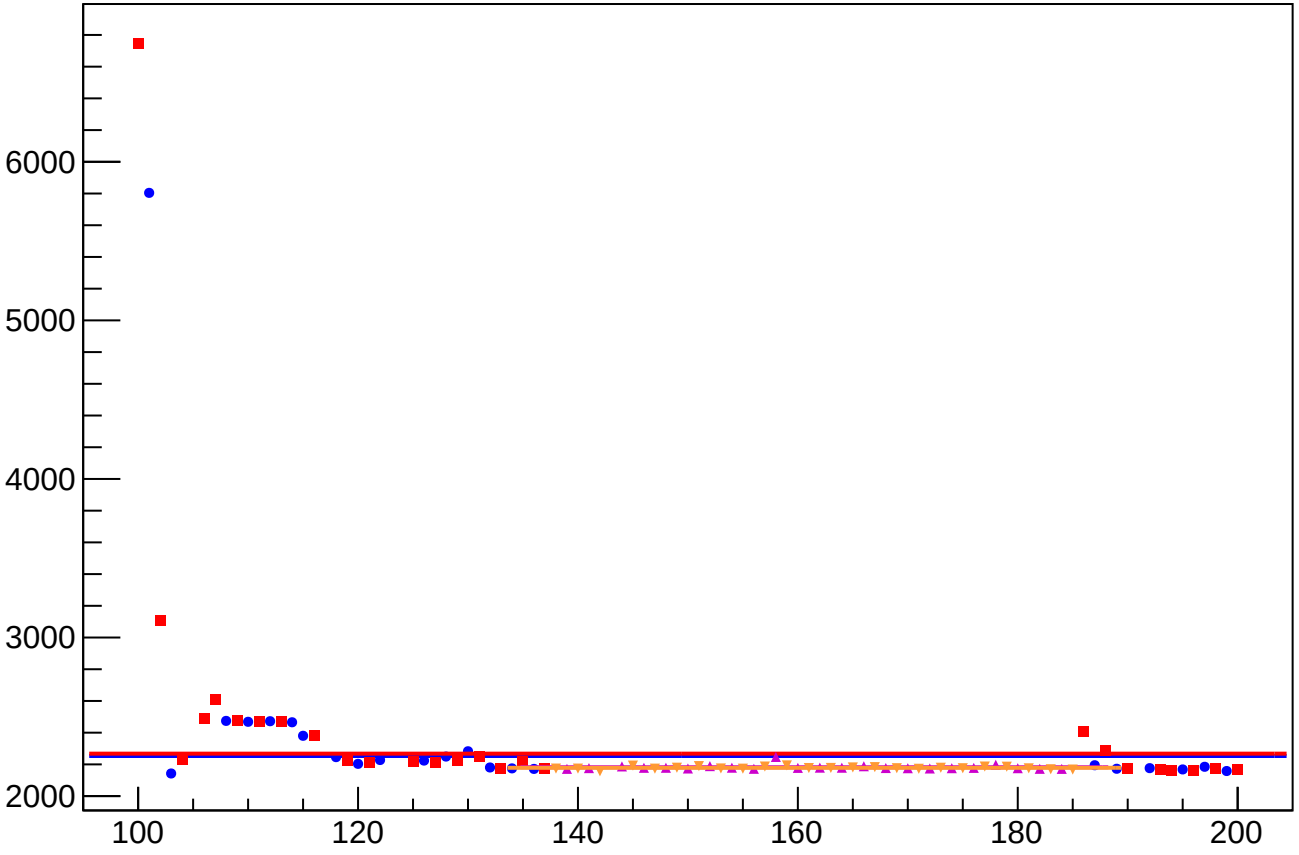
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -923.838+/-403.780 χ^2/NDF: 41.2/45

All: -131.540+/-282.557 χ^2/NDF: 91.2/94

- sign 628.749+/-395.540 χ^2/NDF: 42.5/48

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

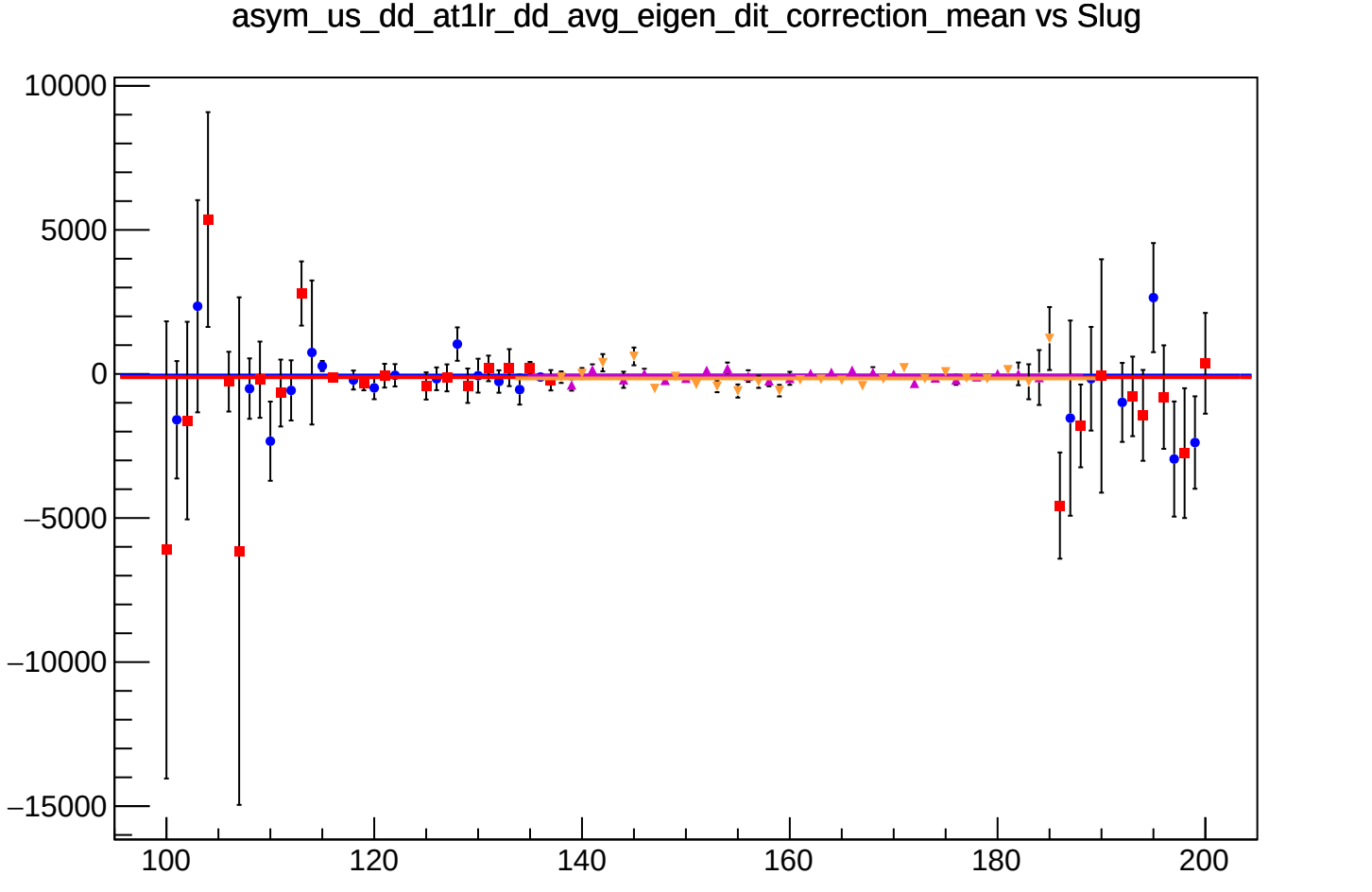
Right Out: 2267.670+/-0.444 χ^2/NDF: 200693.8/25

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2205.483+/-0.286 χ^2/NDF: 549967.6/45

All: 2210.826+/-0.200 χ^2/NDF: 775710.9/94

- sign 2215.953+/-0.280 χ^2/NDF: 225057.0/48



Right In: -53.233+/-91.689 χ^2/NDF: 21.0/21

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

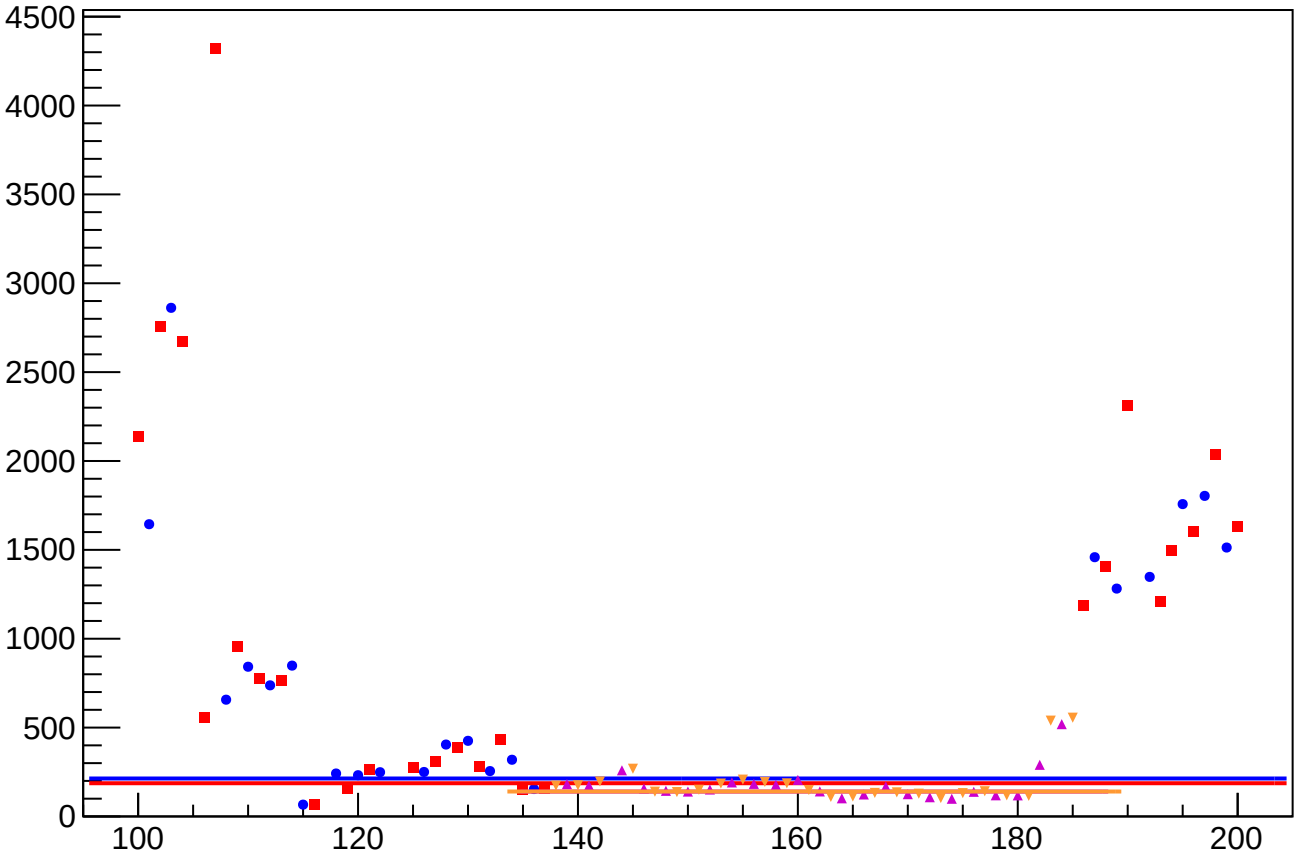
Right Out: -112.935+/-85.269 χ^2/NDF: 24.8/25

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

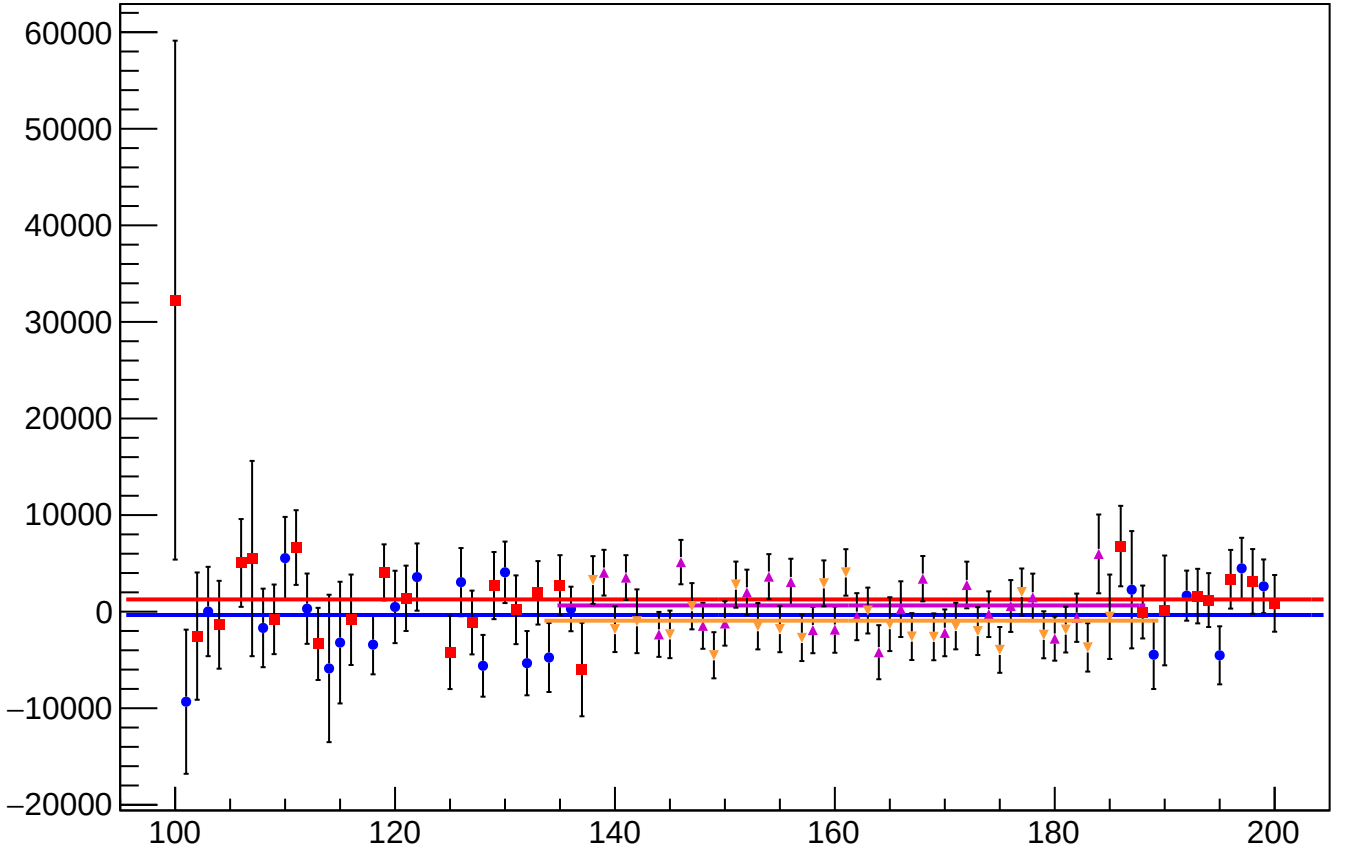
+ sign -142.419+/-31.929 χ^2/NDF: 69.4/45

All: -109.054+/-22.512 χ^2/NDF: 115.5/94

- sign -76.072+/-31.746 χ^2/NDF: 44.0/48


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 213.533+/-0.065 χ²/NDF: 11965091.5/21
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 186.956+/-0.060 χ²/NDF: 16245931.2/25
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 149.197+/-0.023 χ²/NDF: 15845946.7/45
All: 147.836+/-0.016 χ²/NDF: 35034524.8/94
- sign 146.490+/-0.022 χ²/NDF: 19181347.7/48

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -344.718+/-748.132 χ^2/NDF: 23.5/21

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1266.499+/-716.342 χ^2/NDF: 16.0/25

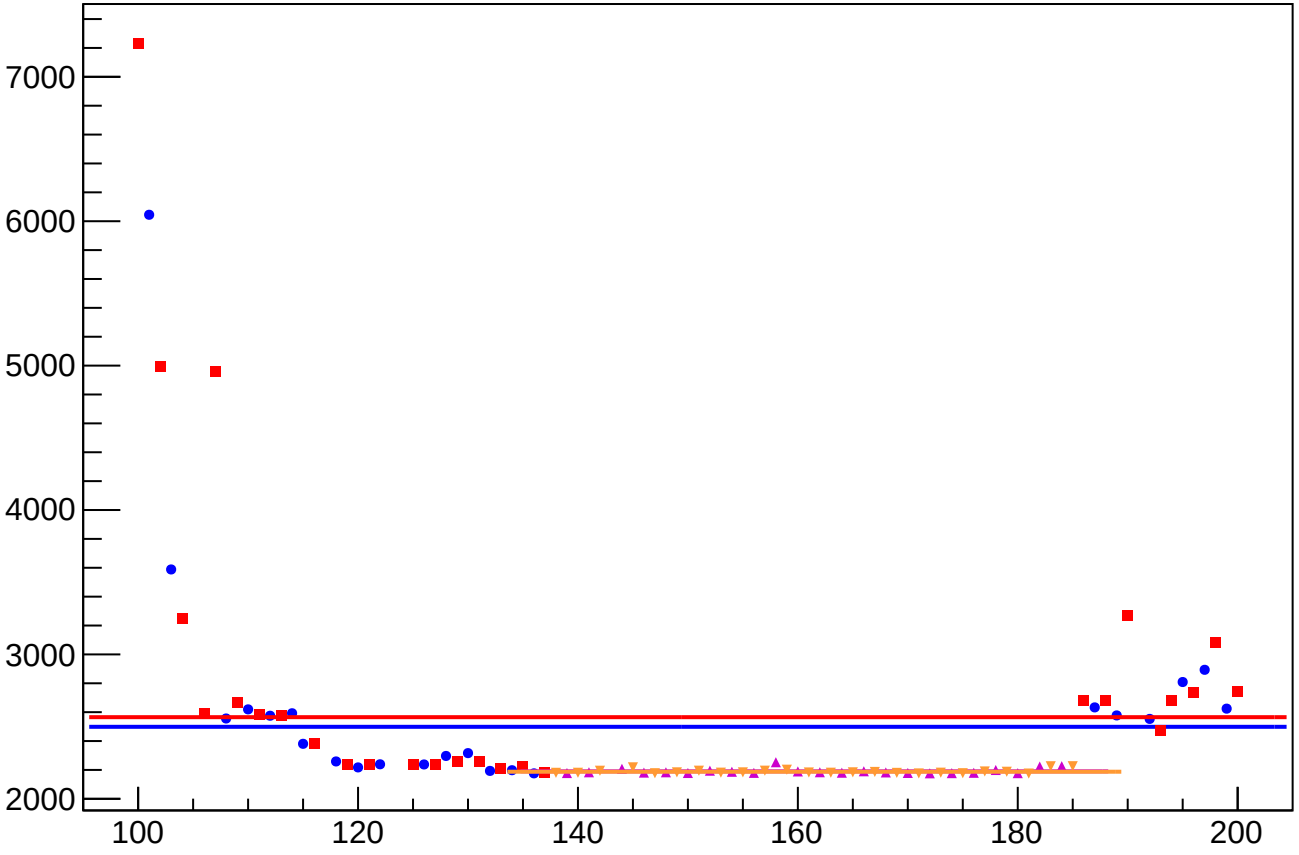
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -746.813+/-420.109 χ^2/NDF: 46.3/45

All: 60.730+/-295.671 χ^2/NDF: 97.1/94

- sign 853.327+/-416.203 χ^2/NDF: 43.5/48

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2498.596+/-0.529 χ^2/NDF: 755970.8/21

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

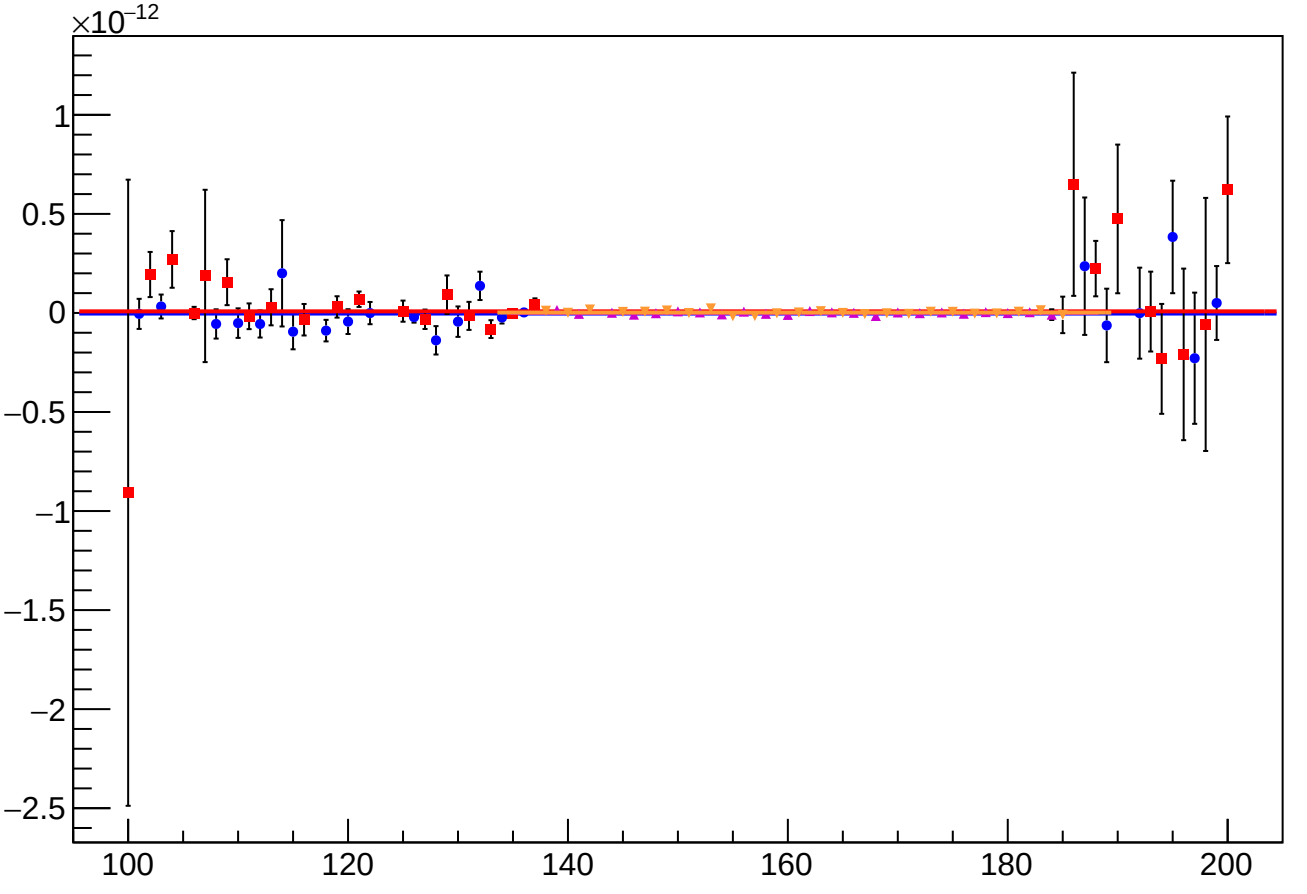
Right Out: 2565.365+/-0.507 χ^2/NDF: 766501.7/25

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2285.680+/-0.297 χ^2/NDF: 993908.6/45

All: 2301.397+/-0.209 χ^2/NDF: 2131958.9/94

- sign 2316.822+/-0.294 χ^2/NDF: 1132504.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

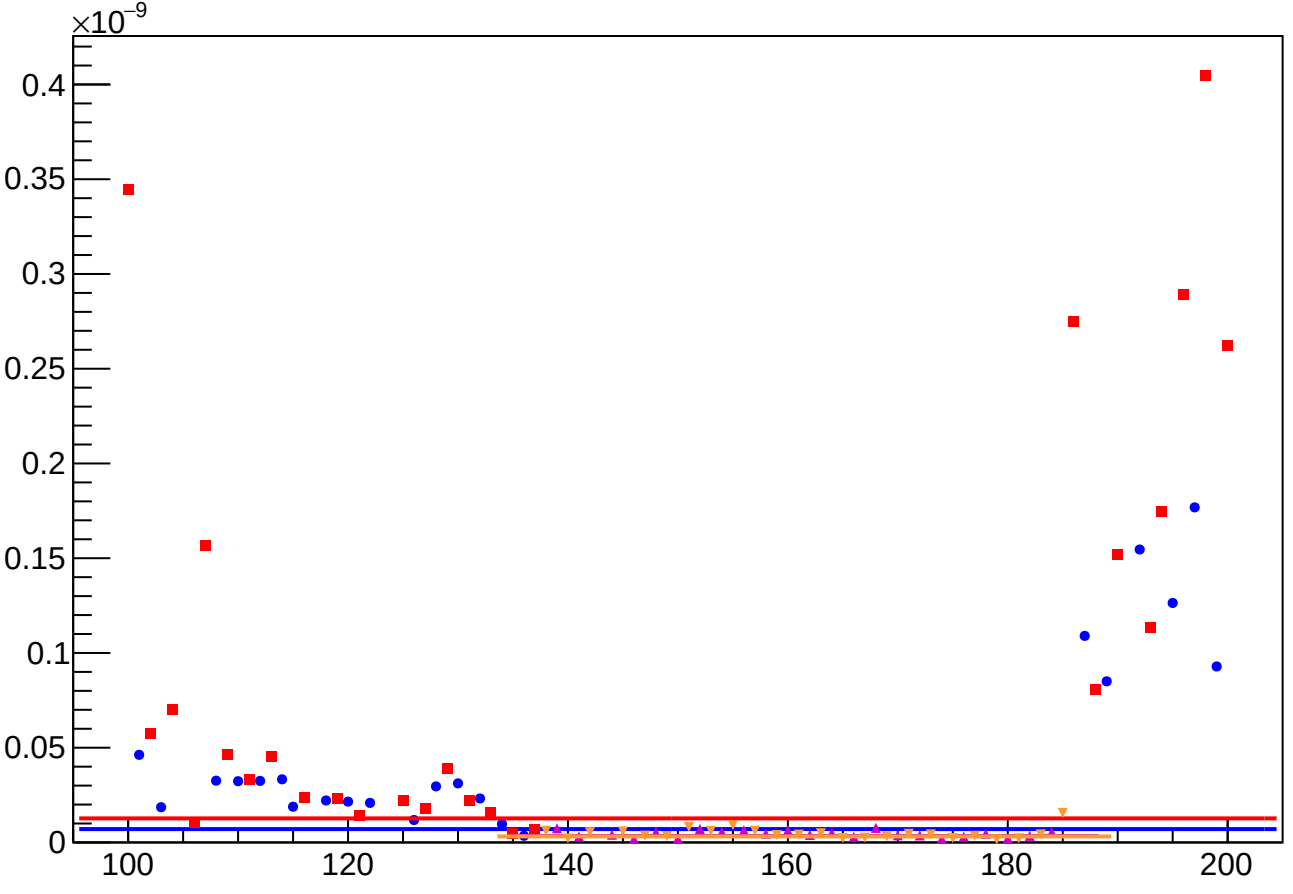
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/25

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/45

All: 0.000+/-0.000 χ^2/NDF: 80.7/94

- sign 0.000+/-0.000 χ^2/NDF: 41.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 5520899.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

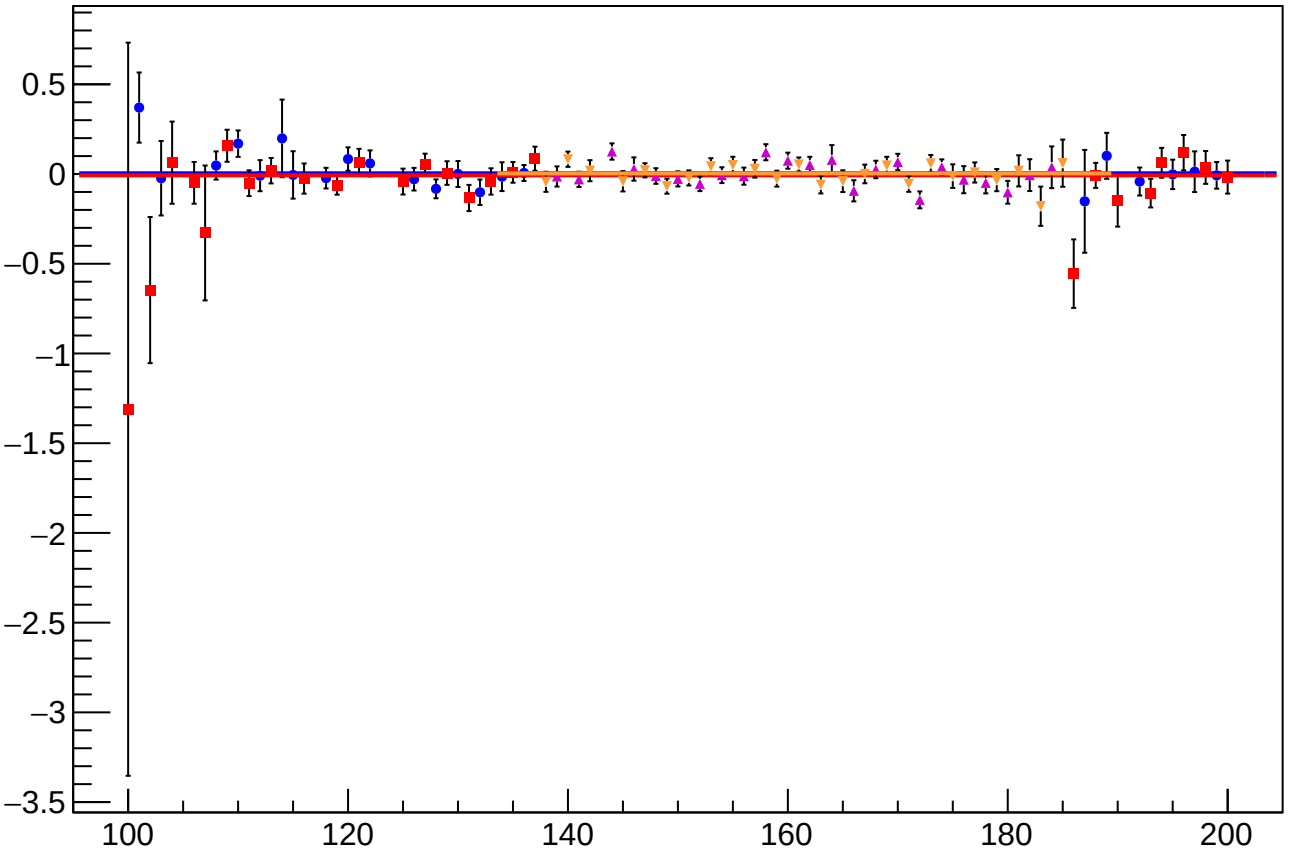
Right Out: 0.000+/-0.000 χ^2/NDF: 7574944.7/25

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8305614.9/45

All: 0.000+/-0.000 χ^2/NDF: 19397798.5/94

- sign 0.000+/-0.000 χ^2/NDF: 11063369.5/48



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

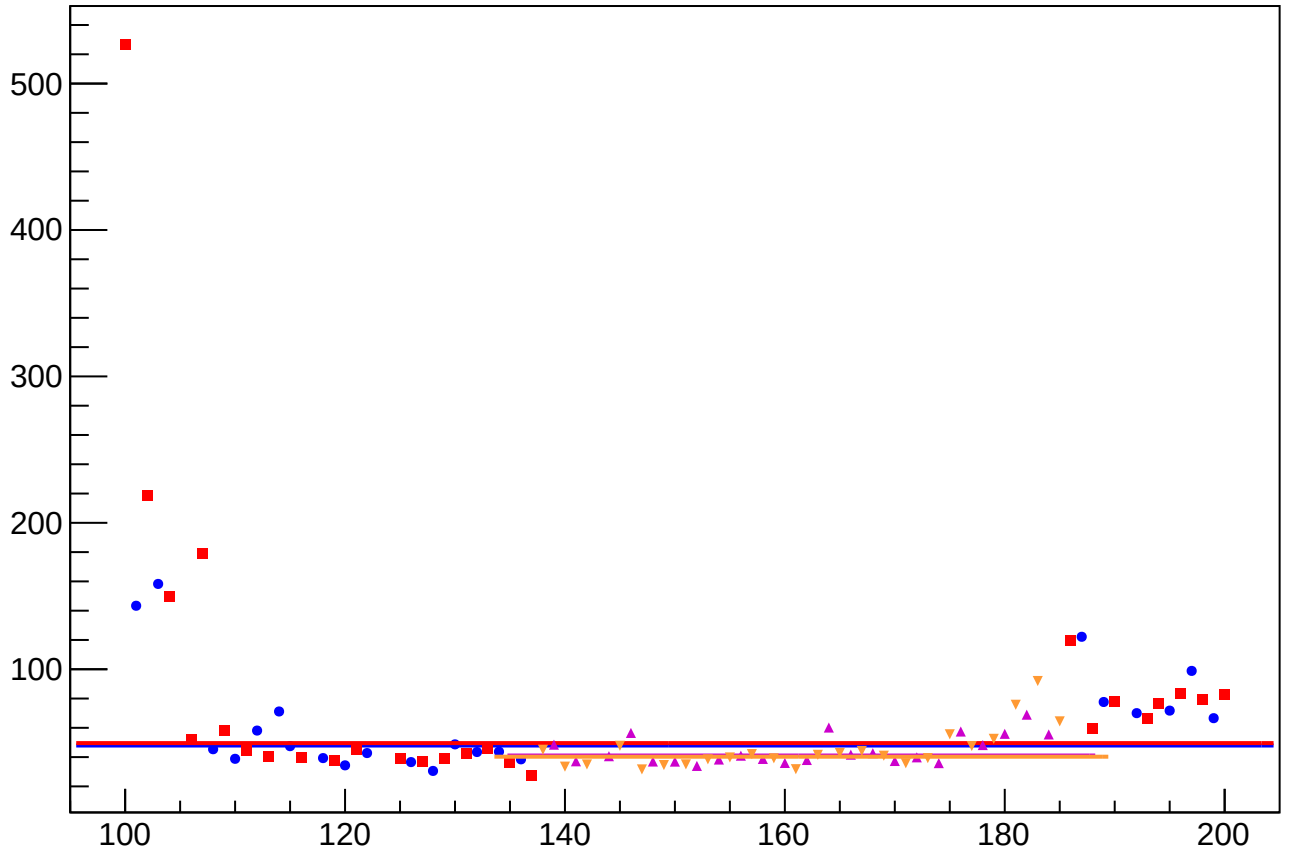
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.002+/-0.006 χ^2/NDF: 111.8/94

- sign 0.001+/-0.009 χ^2/NDF: 71.5/48



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

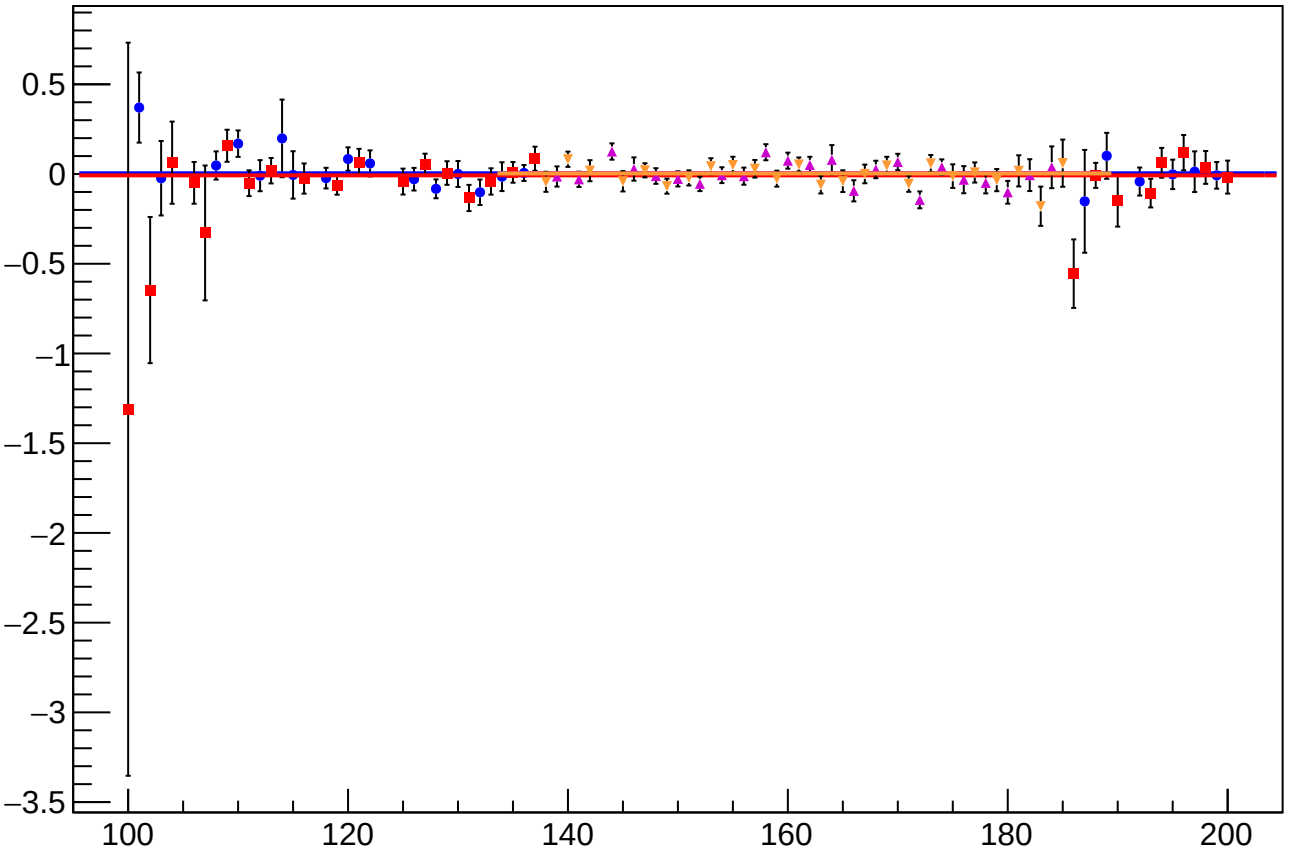
Right Out: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548514.5/45

All: 43.017+/-0.004 χ^2/NDF: 9075156.6/94

- sign 43.616+/-0.006 χ^2/NDF: 4508456.3/48



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

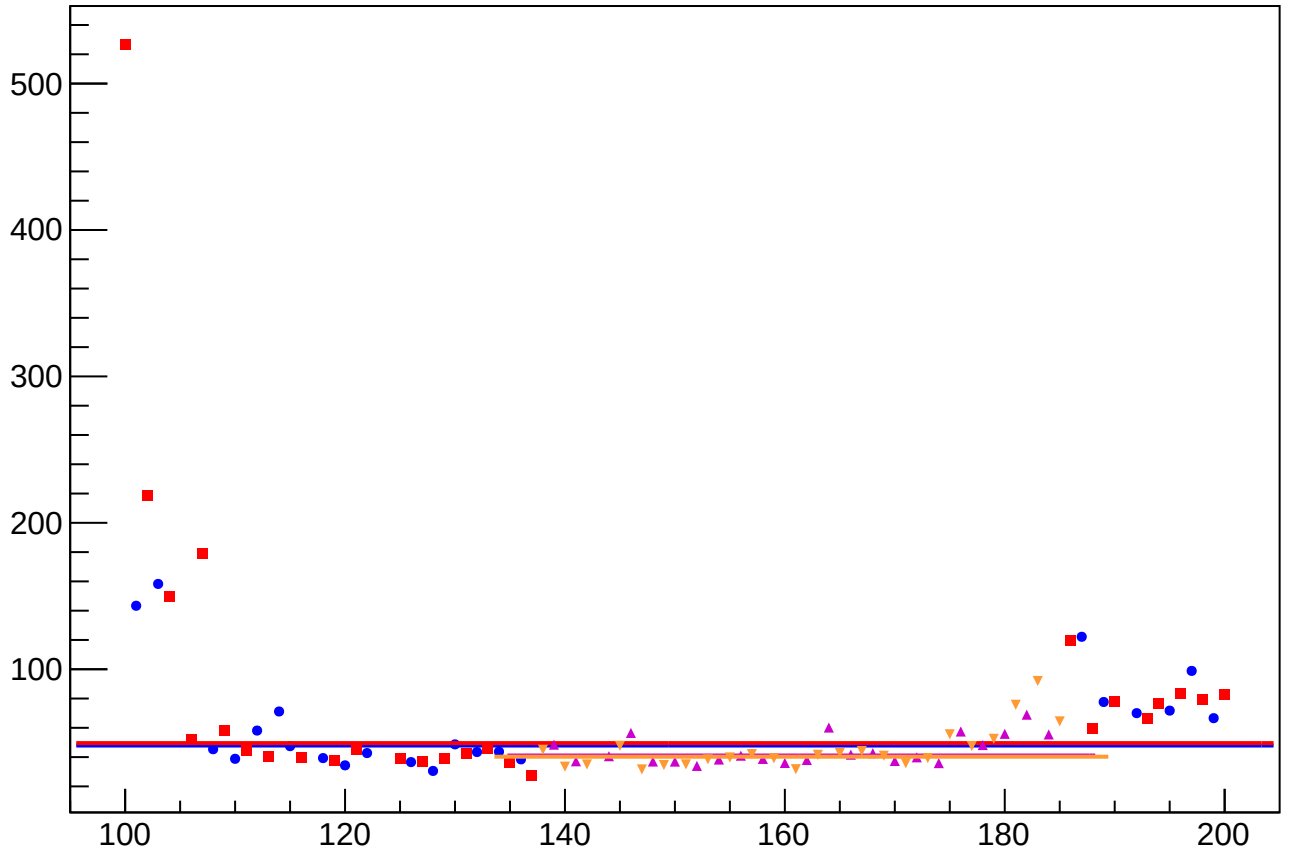
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.002+/-0.006 χ^2/NDF: 111.8/94

- sign 0.001+/-0.009 χ^2/NDF: 71.5/48



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

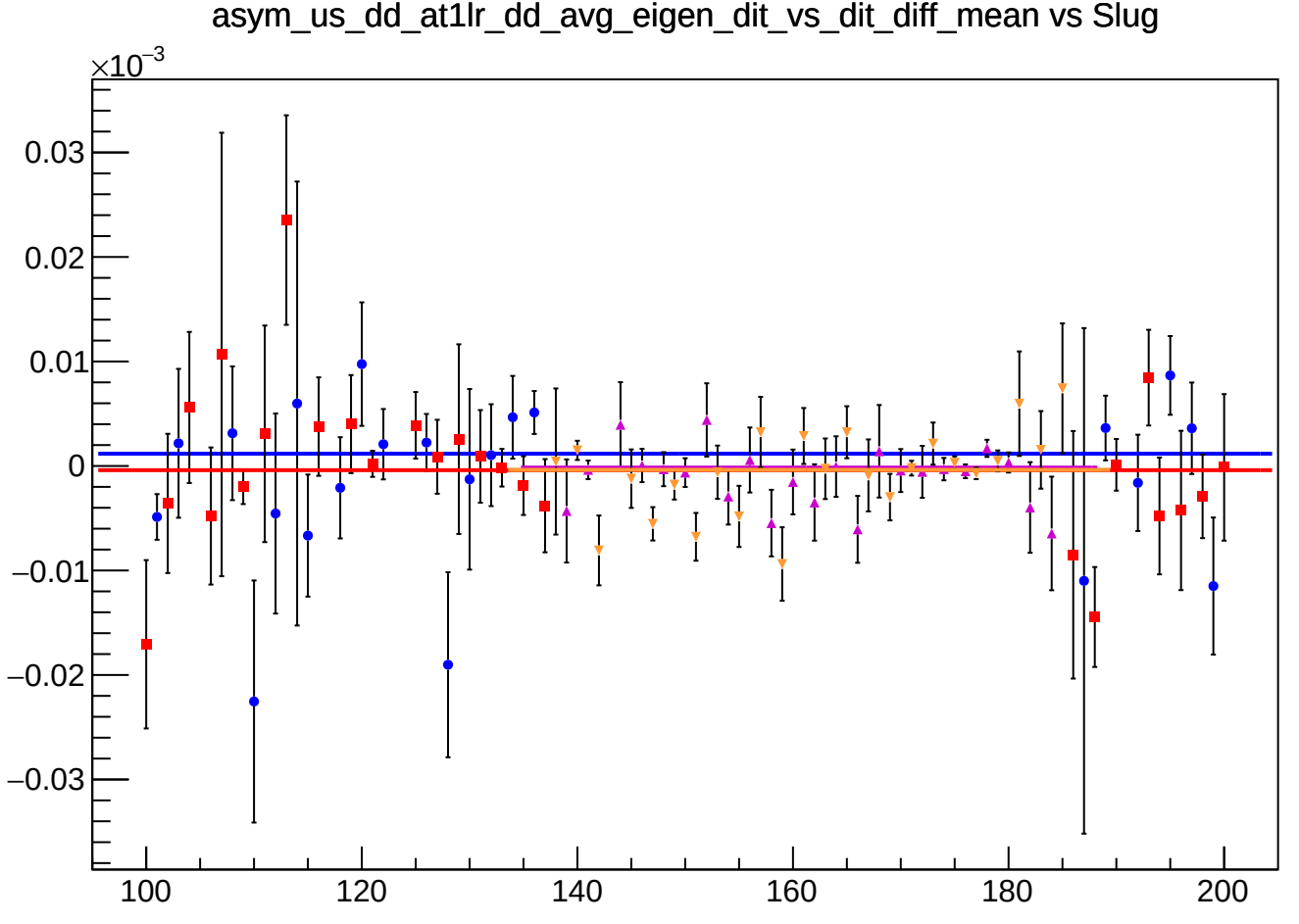
Right Out: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

\+ sign 42.426+/-0.006 χ^2/NDF: 4548514.5/45

All: 43.017+/-0.004 χ^2/NDF: 9075156.6/94

\- sign 43.616+/-0.006 χ^2/NDF: 4508456.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

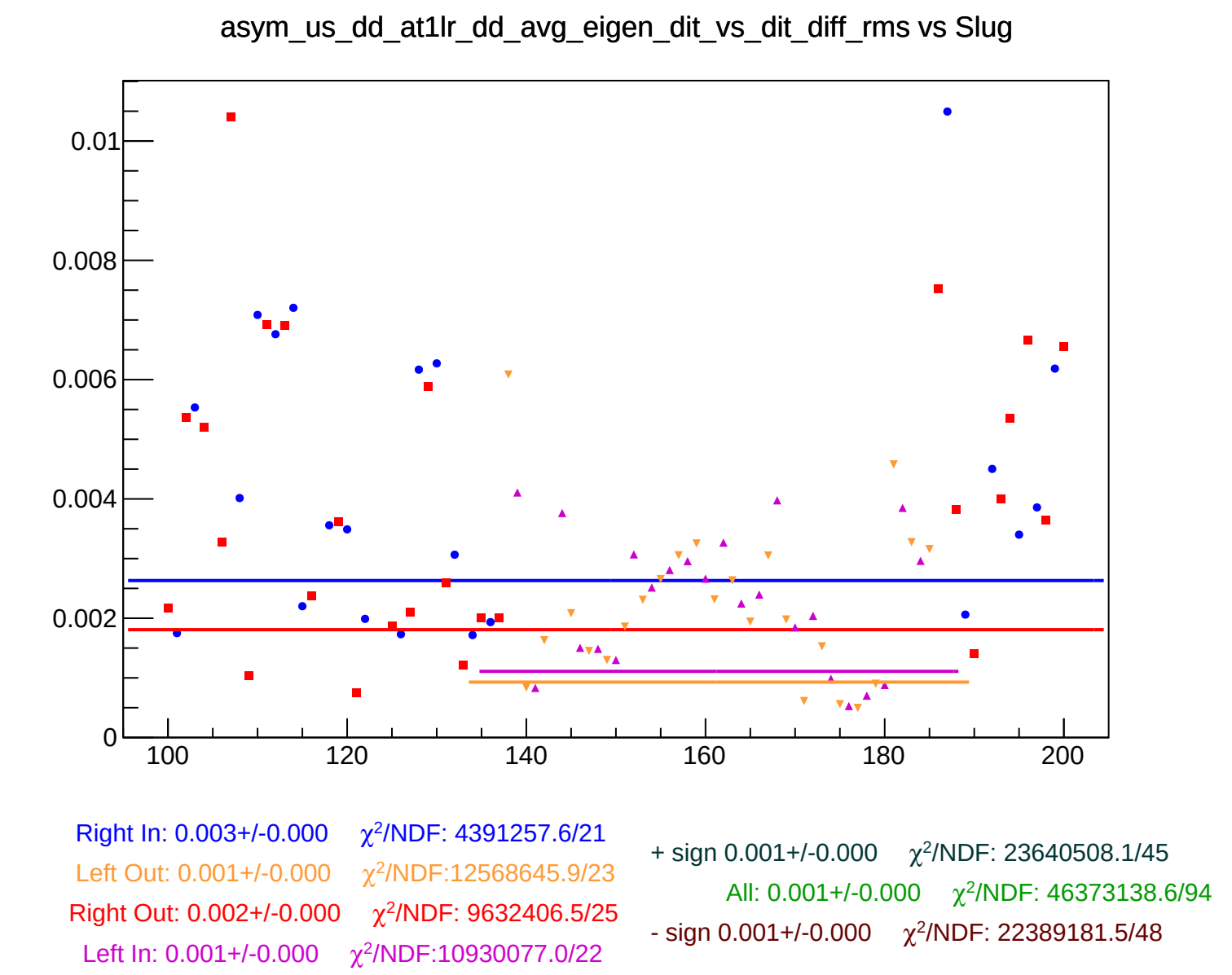
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/25

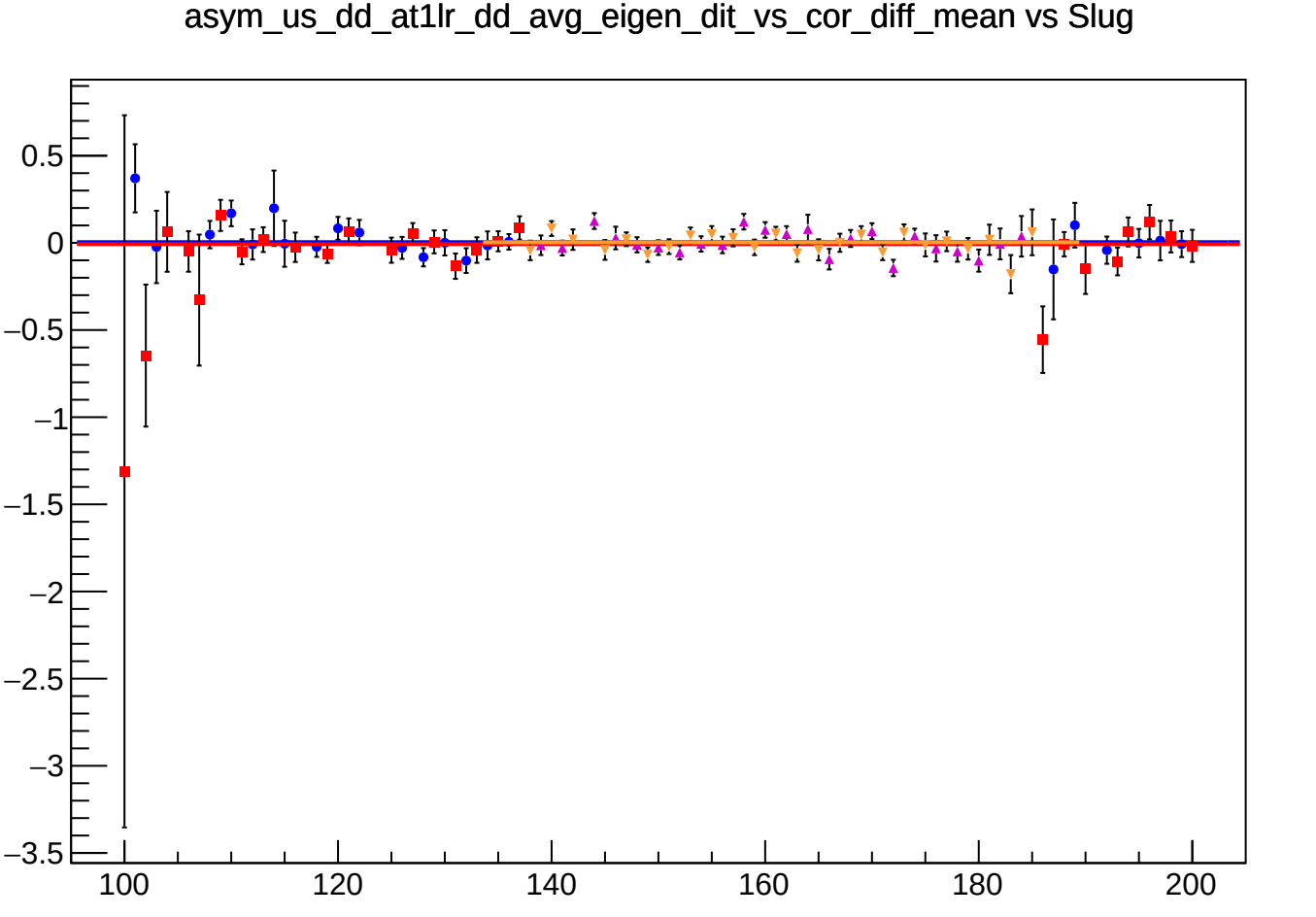
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.9/45

All: -0.000+/-0.000 χ^2/NDF: 141.6/94

- sign -0.000+/-0.000 χ^2/NDF: 51.7/48


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4391257.6/21
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 9632406.5/25
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 23640508.1/45
All: 0.001+/-0.000 χ²/NDF: 46373138.6/94
- sign 0.001+/-0.000 χ²/NDF: 22389181.5/48



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

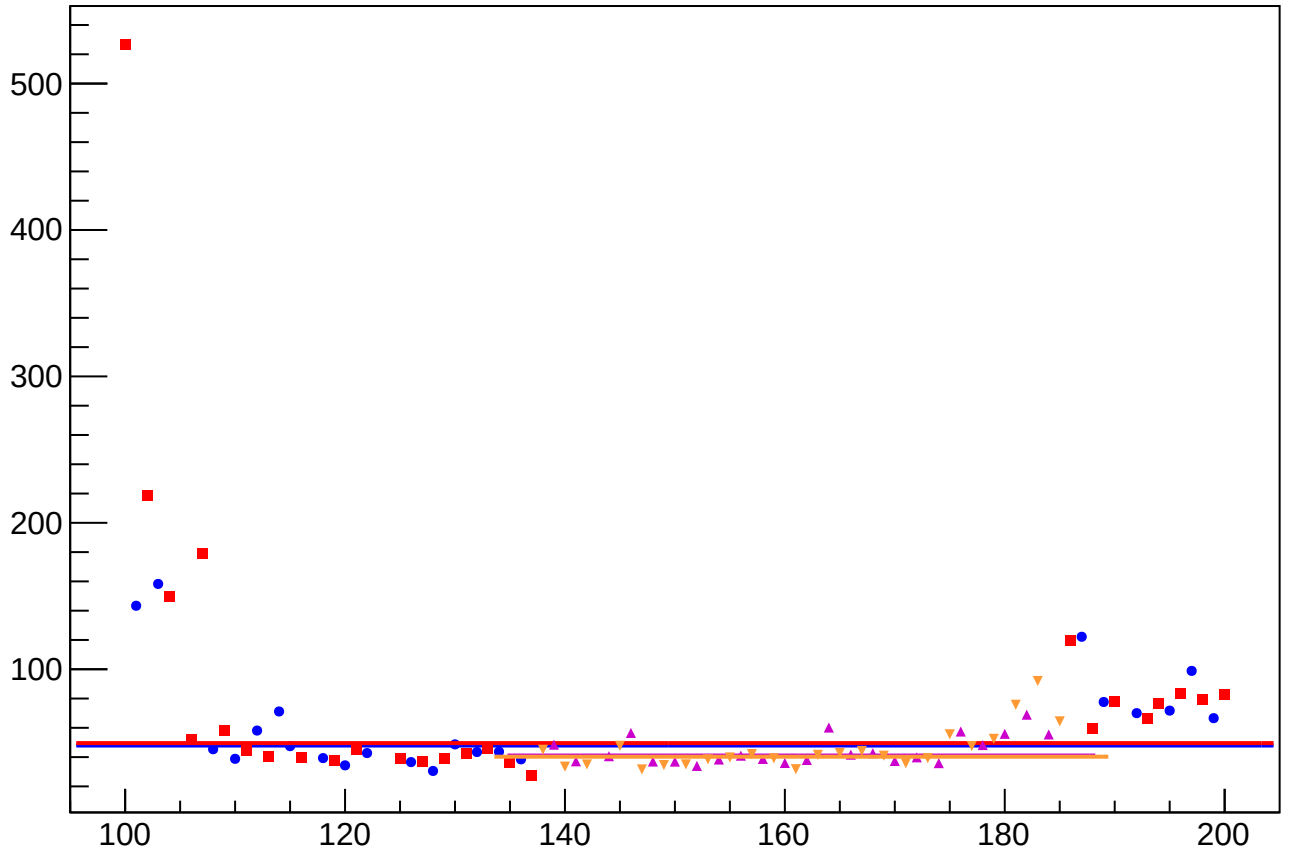
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.002+/-0.006 χ^2/NDF: 111.8/94

- sign 0.001+/-0.009 χ^2/NDF: 71.4/48



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

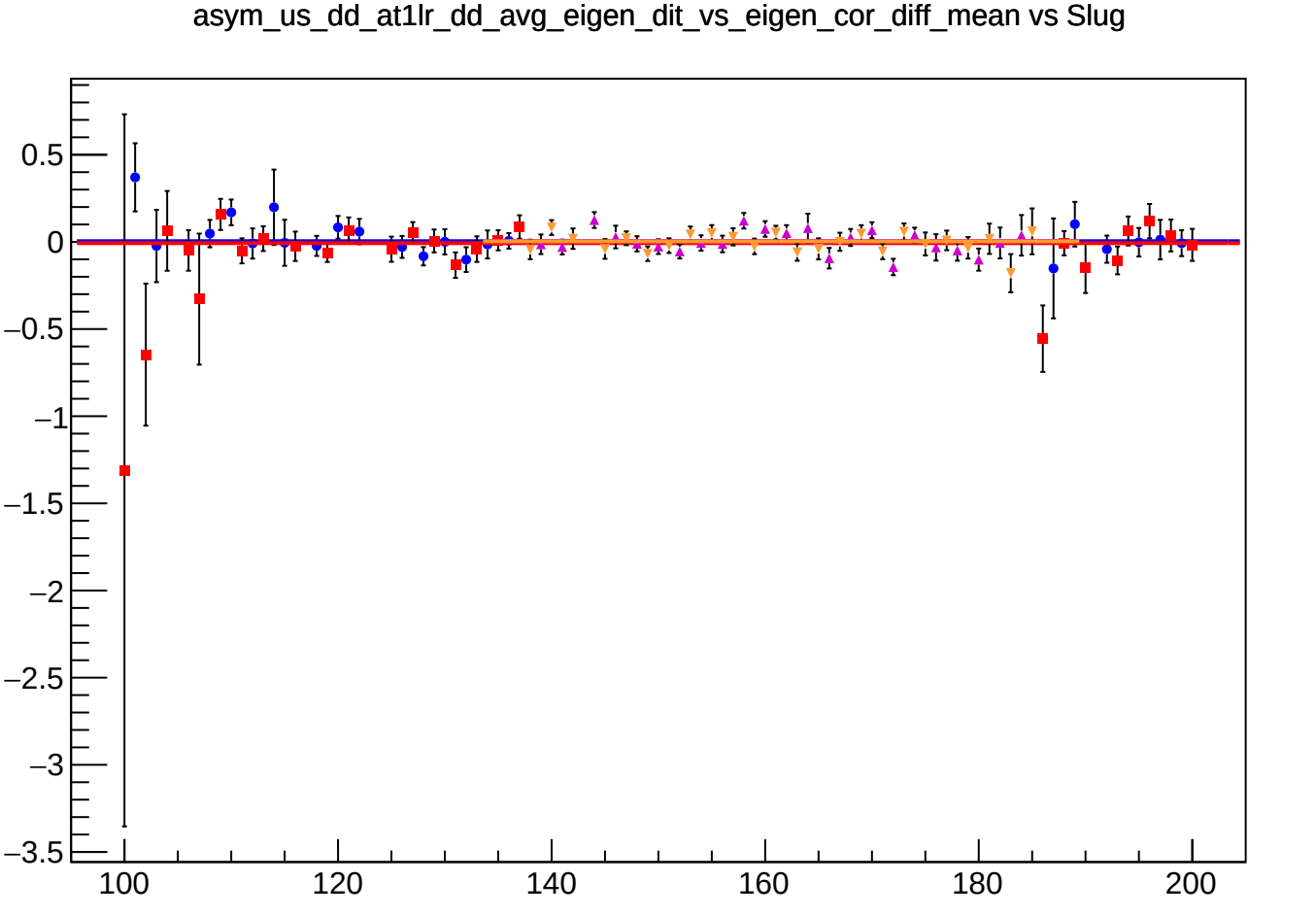
Right Out: 49.566+/-0.011 χ^2/NDF: 3196263.3/25

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548718.0/45

All: 43.017+/-0.004 χ^2/NDF: 9075417.8/94

- sign 43.616+/-0.006 χ^2/NDF: 4508494.4/48



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

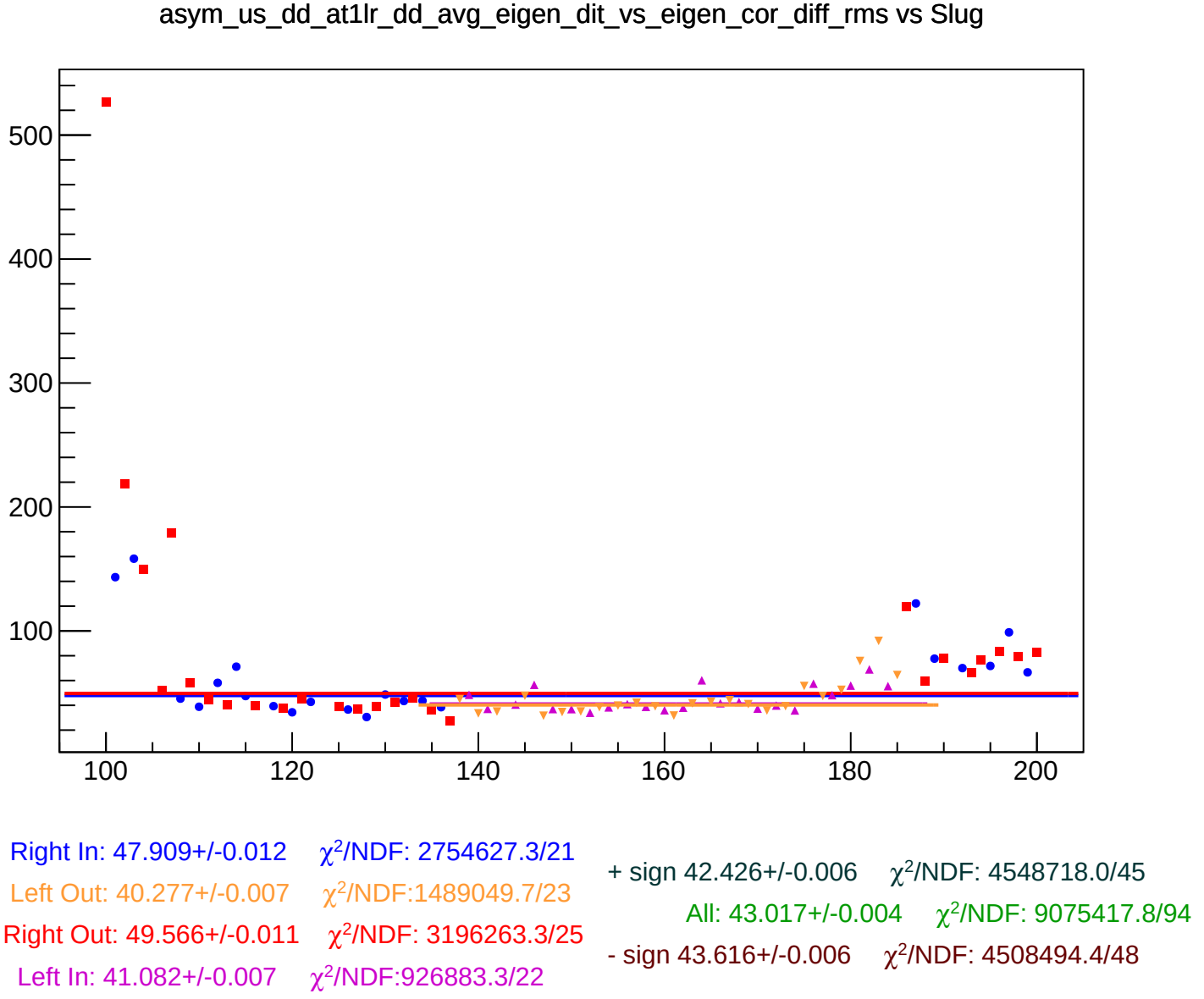
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

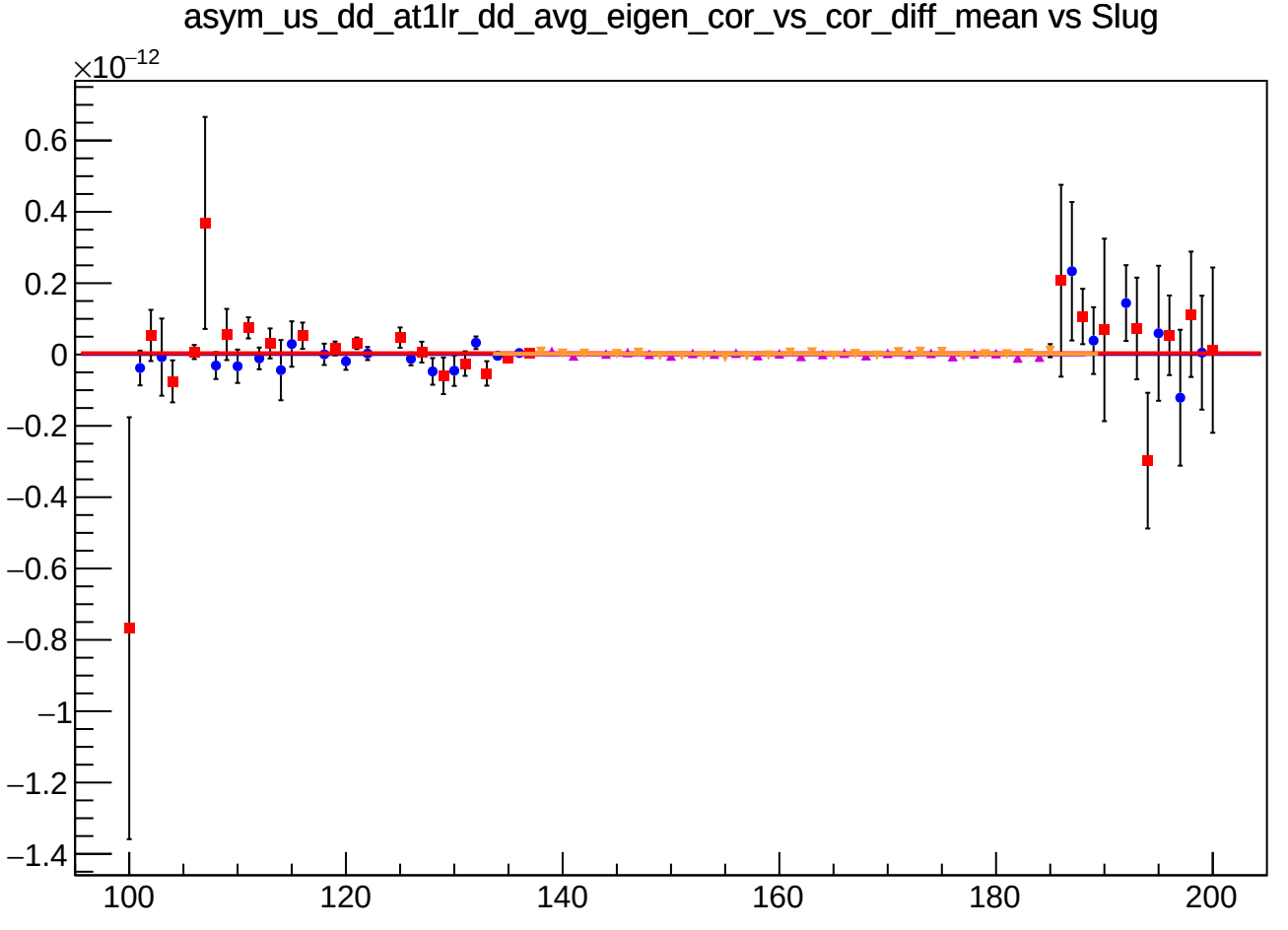
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.002+/-0.006 χ^2/NDF: 111.8/94

- sign 0.001+/-0.009 χ^2/NDF: 71.4/48


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
120
140
160
180
200
Right In: 47.909+/-0.012 χ²/NDF: 2754627.3/21
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 49.566+/-0.011 χ²/NDF: 3196263.3/25
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 42.426+/-0.006 χ²/NDF: 4548718.0/45
All: 43.017+/-0.004 χ²/NDF: 9075417.8/94
- sign 43.616+/-0.006 χ²/NDF: 4508494.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

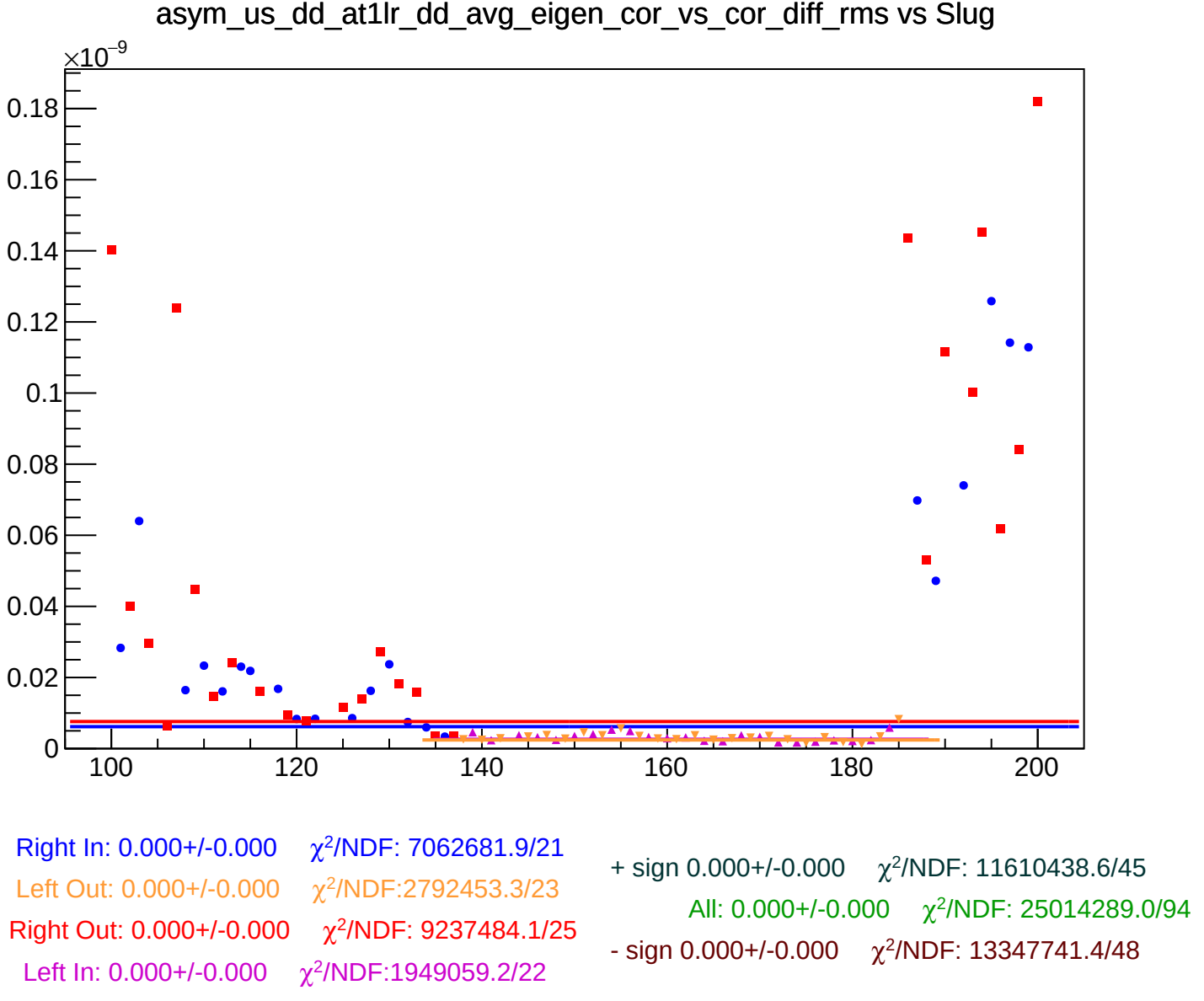
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/25

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

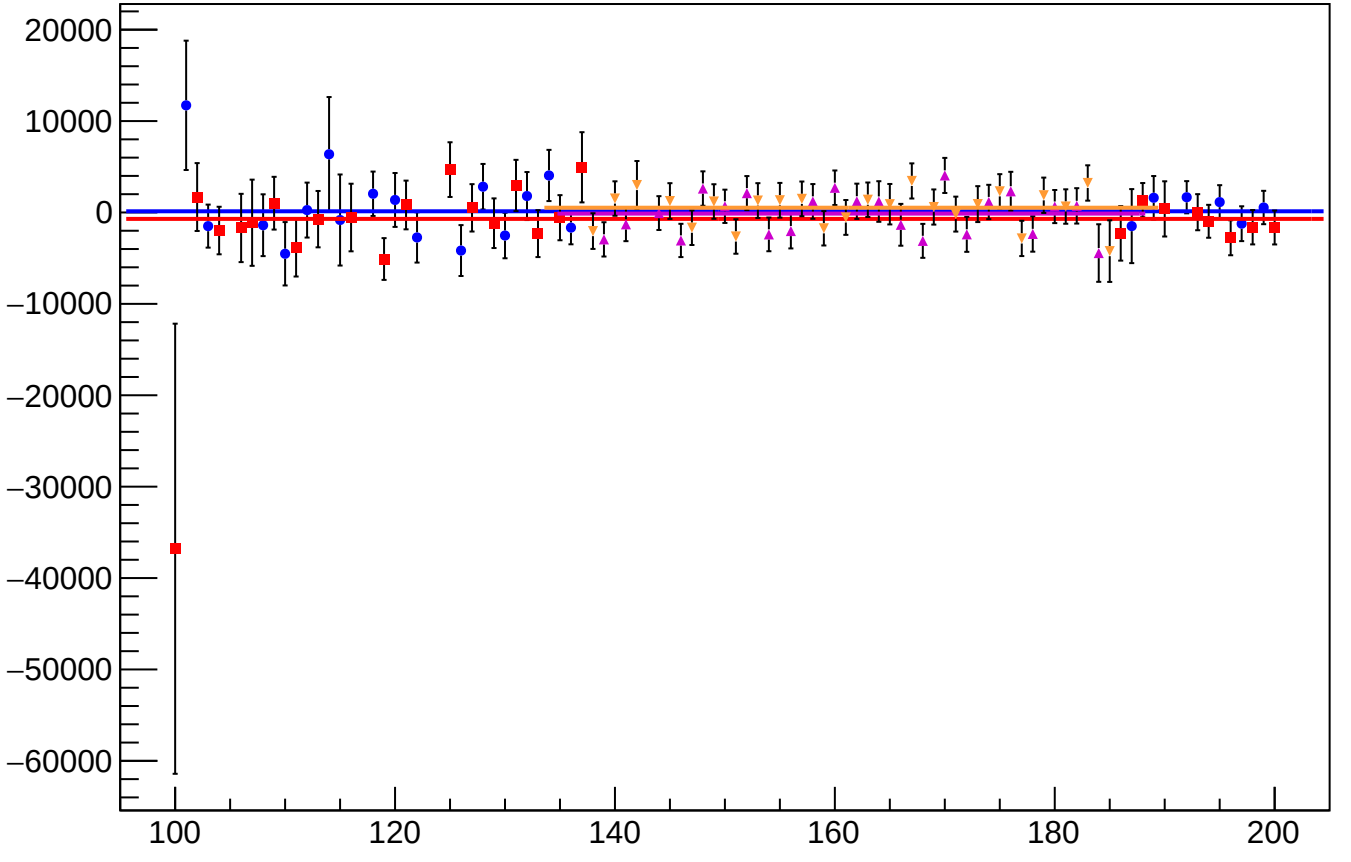
+ sign 0.000+/-0.000 χ^2/NDF: 39.6/45

All: 0.000+/-0.000 χ^2/NDF: 99.7/94

- sign 0.000+/-0.000 χ^2/NDF: 58.2/48


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7062681.9/21
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 9237484.1/25
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11610438.6/45
All: 0.000+/-0.000 χ²/NDF: 25014289.0/94
- sign 0.000+/-0.000 χ²/NDF: 13347741.4/48

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 129.574+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -703.532+/-506.719 χ^2/NDF: 19.4/25

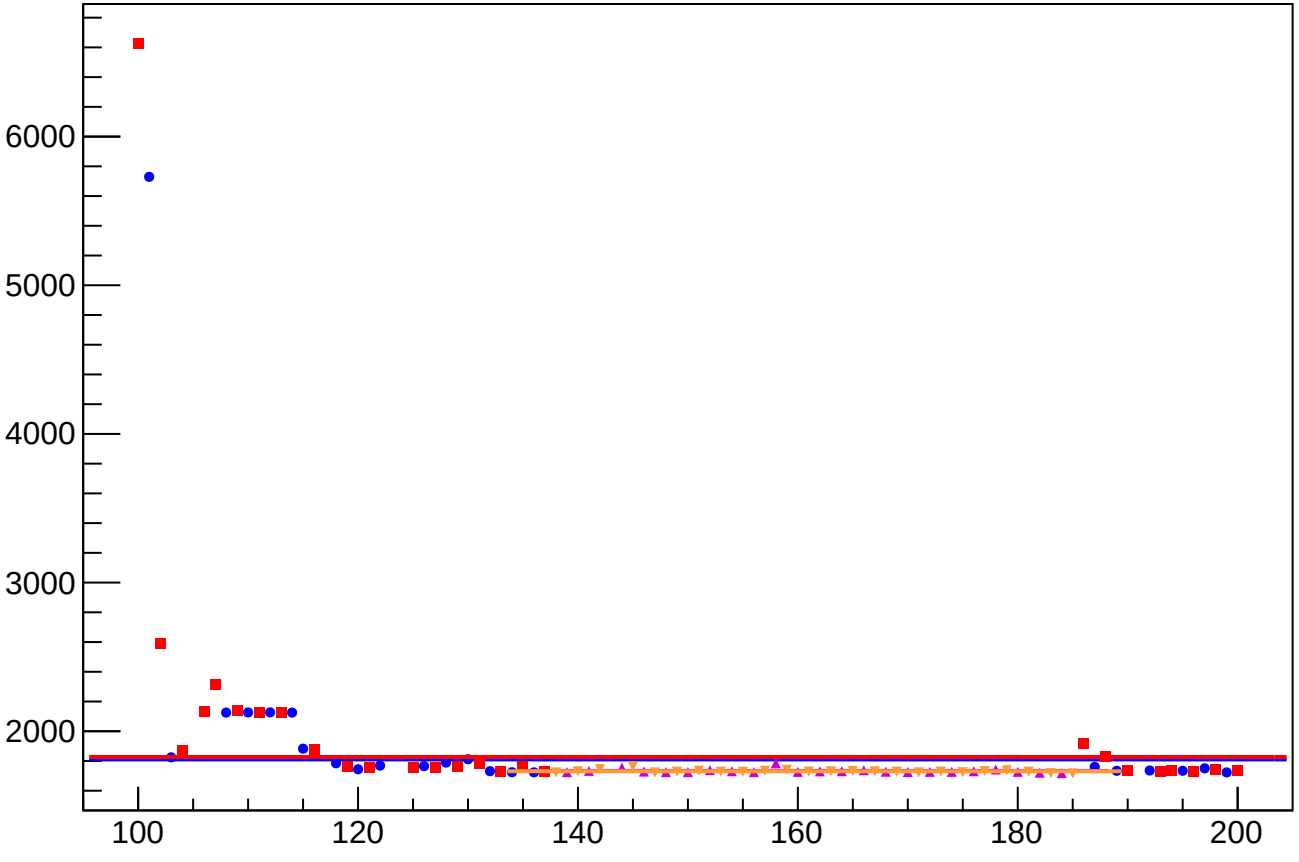
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 381.226+/-322.535 χ^2/NDF: 39.3/45

All: 7.894+/-225.790 χ^2/NDF: 91.6/94

- sign -350.891+/-316.190 χ^2/NDF: 49.6/48

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.8/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

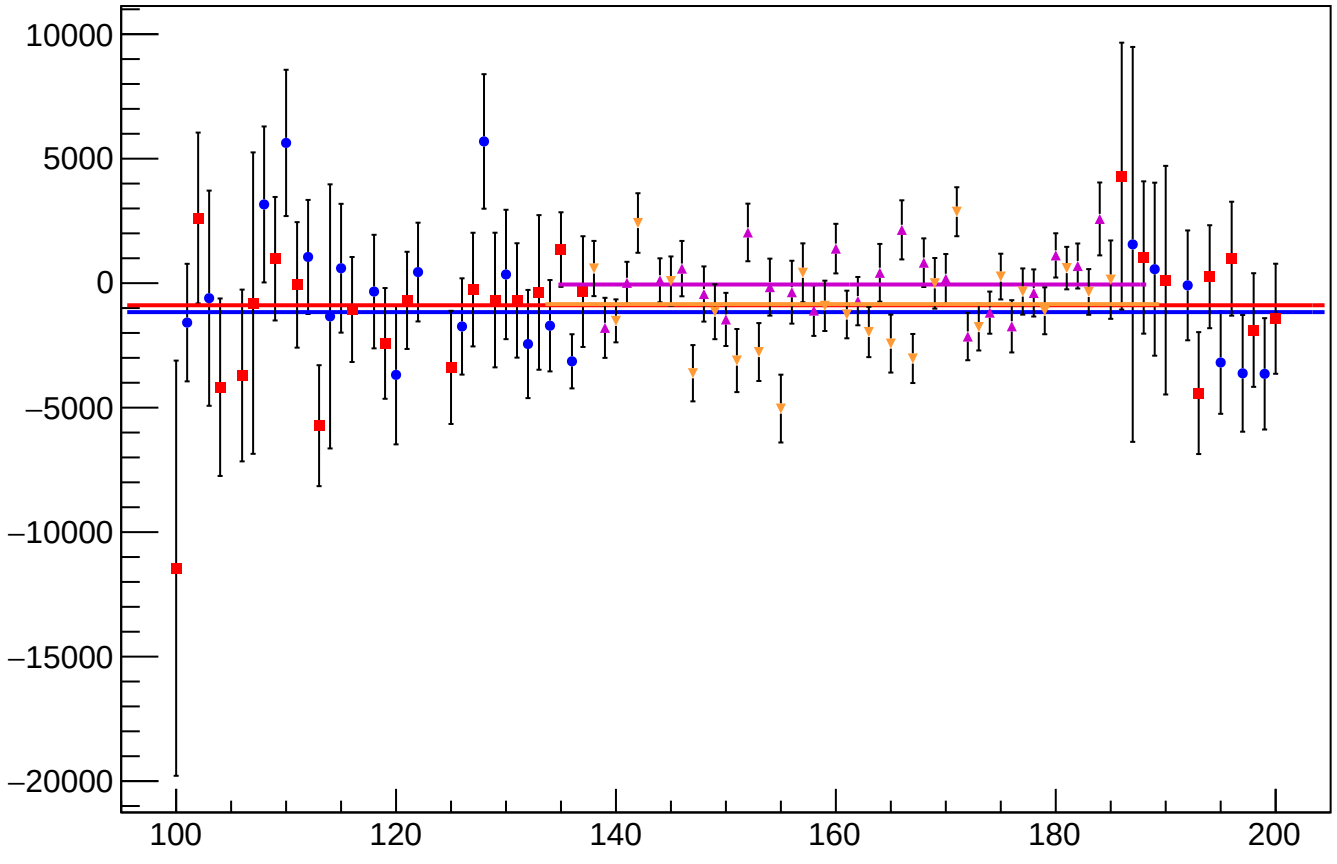
Right Out: 1827.052+/-0.358 χ^2/NDF: 296950.2/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730690.0/45

All: 1764.489+/-0.160 χ^2/NDF: 1073022.3/94

- sign 1769.625+/-0.224 χ^2/NDF: 341255.3/48



Right In: -1163.276+/-486.228 χ^2/NDF: 24.8/21

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -887.415+/-493.267 χ^2/NDF: 17.6/25

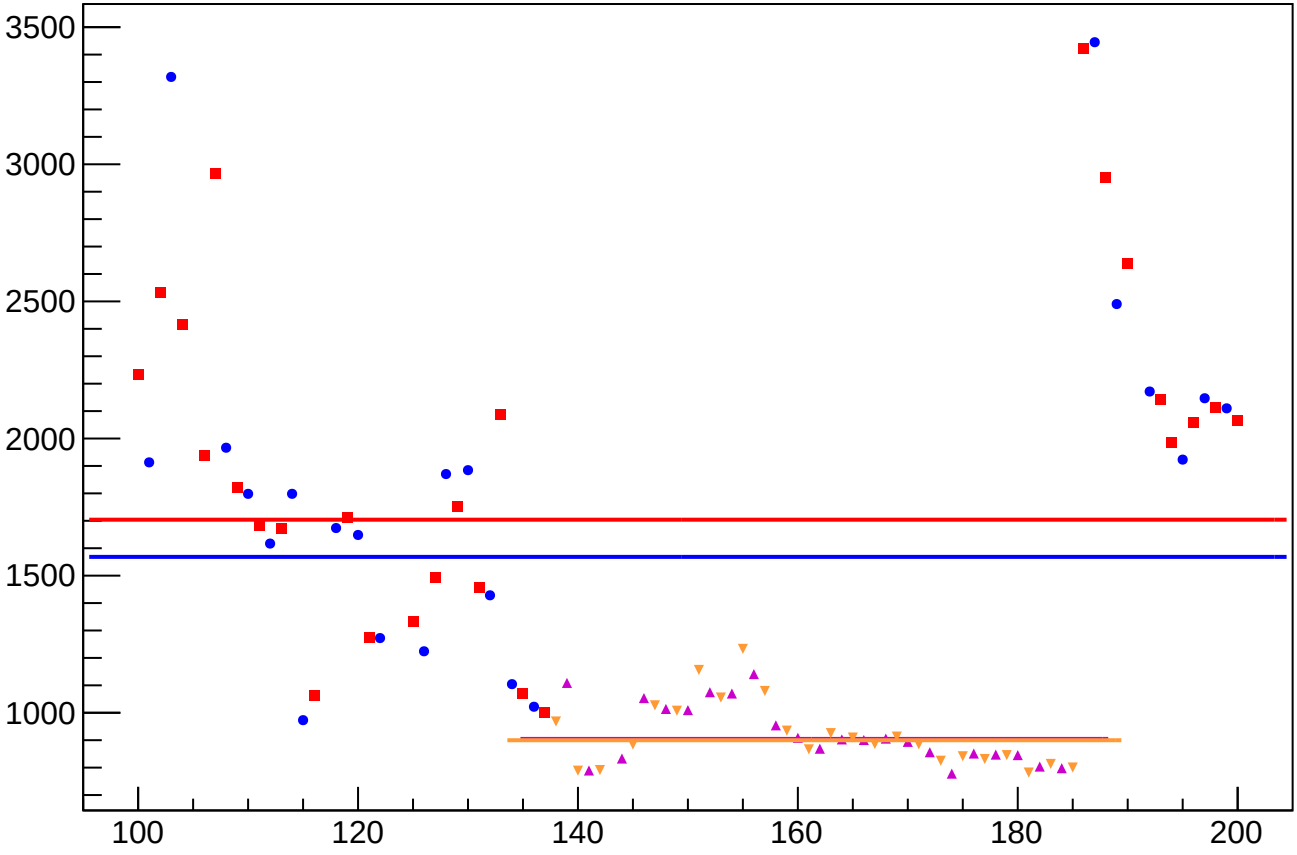
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -893.221+/-193.446 χ^2/NDF: 87.9/45

All: -542.821+/-137.515 χ^2/NDF: 145.1/94

- sign -184.864+/-195.521 χ^2/NDF: 50.6/48

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1568.429+/-0.344 χ^2/NDF: 2036172.3/21

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1704.019+/-0.349 χ^2/NDF: 2159253.2/25

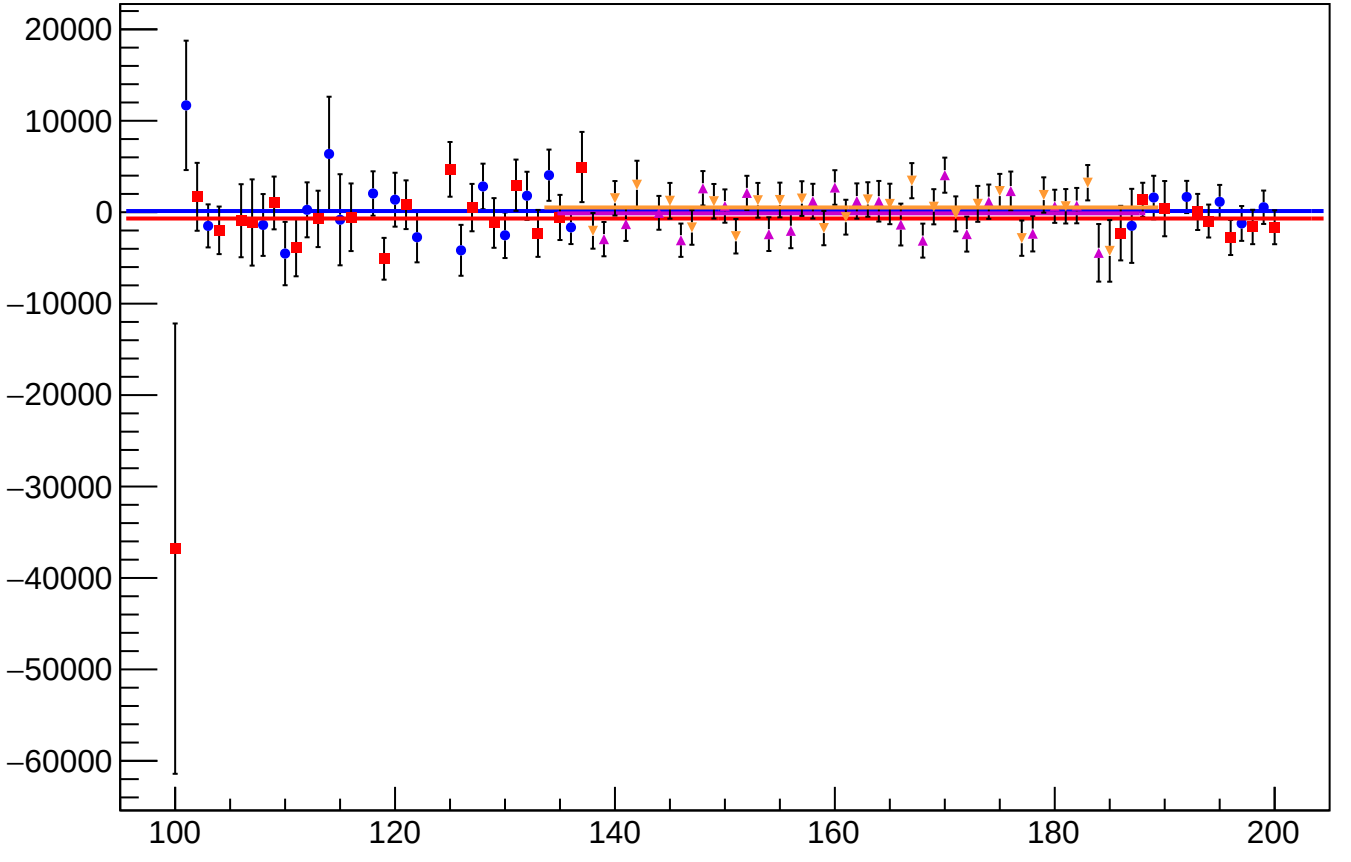
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1005.644+/-0.137 χ^2/NDF: 5714752.3/45

All: 1017.816+/-0.097 χ^2/NDF: 12769390.7/9

- sign 1030.250+/-0.138 χ^2/NDF: 7038631.8/48

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -689.127+/-507.304 χ^2/NDF: 19.3/25

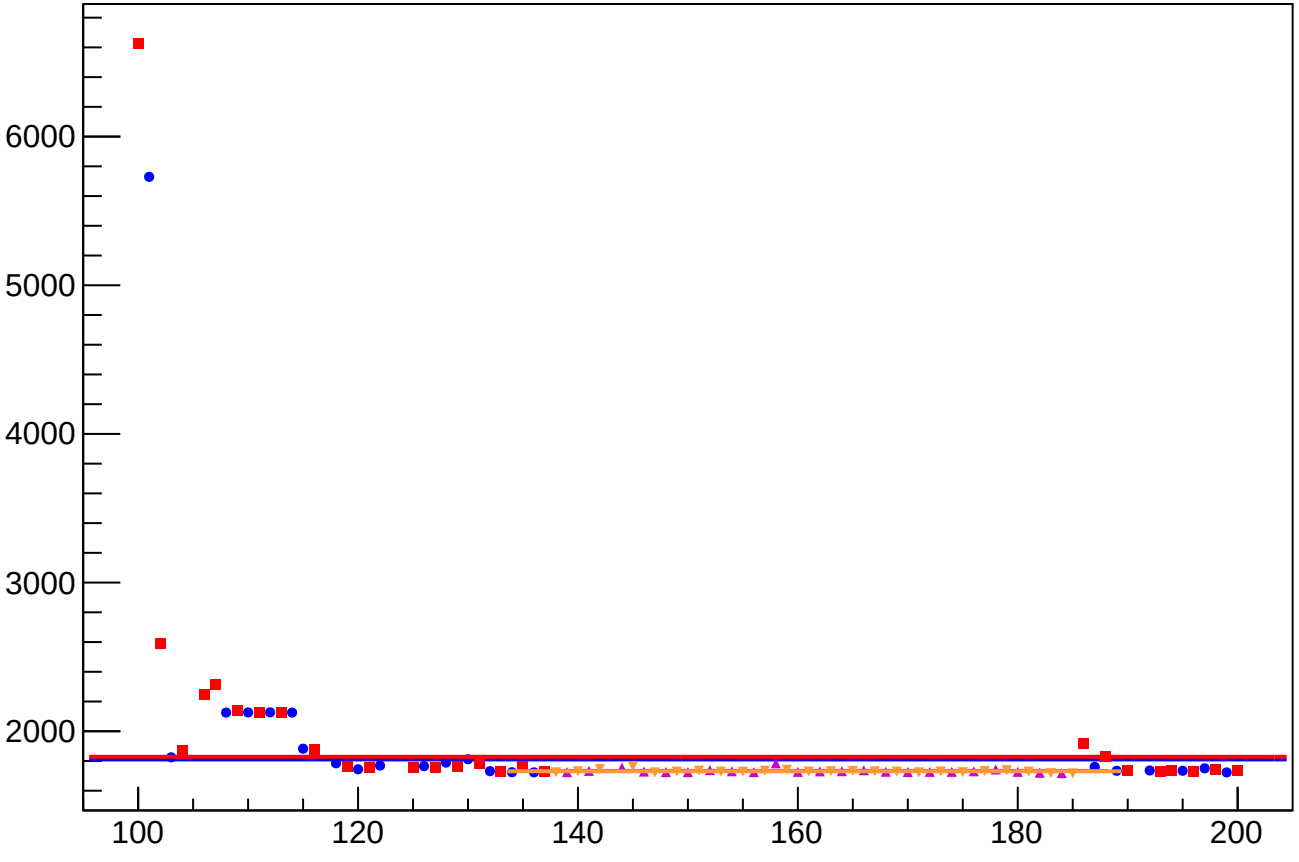
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 381.102+/-322.535 χ^2/NDF: 39.3/45

All: 10.996+/-225.842 χ^2/NDF: 91.5/94

- sign -345.011+/-316.332 χ^2/NDF: 49.5/48

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

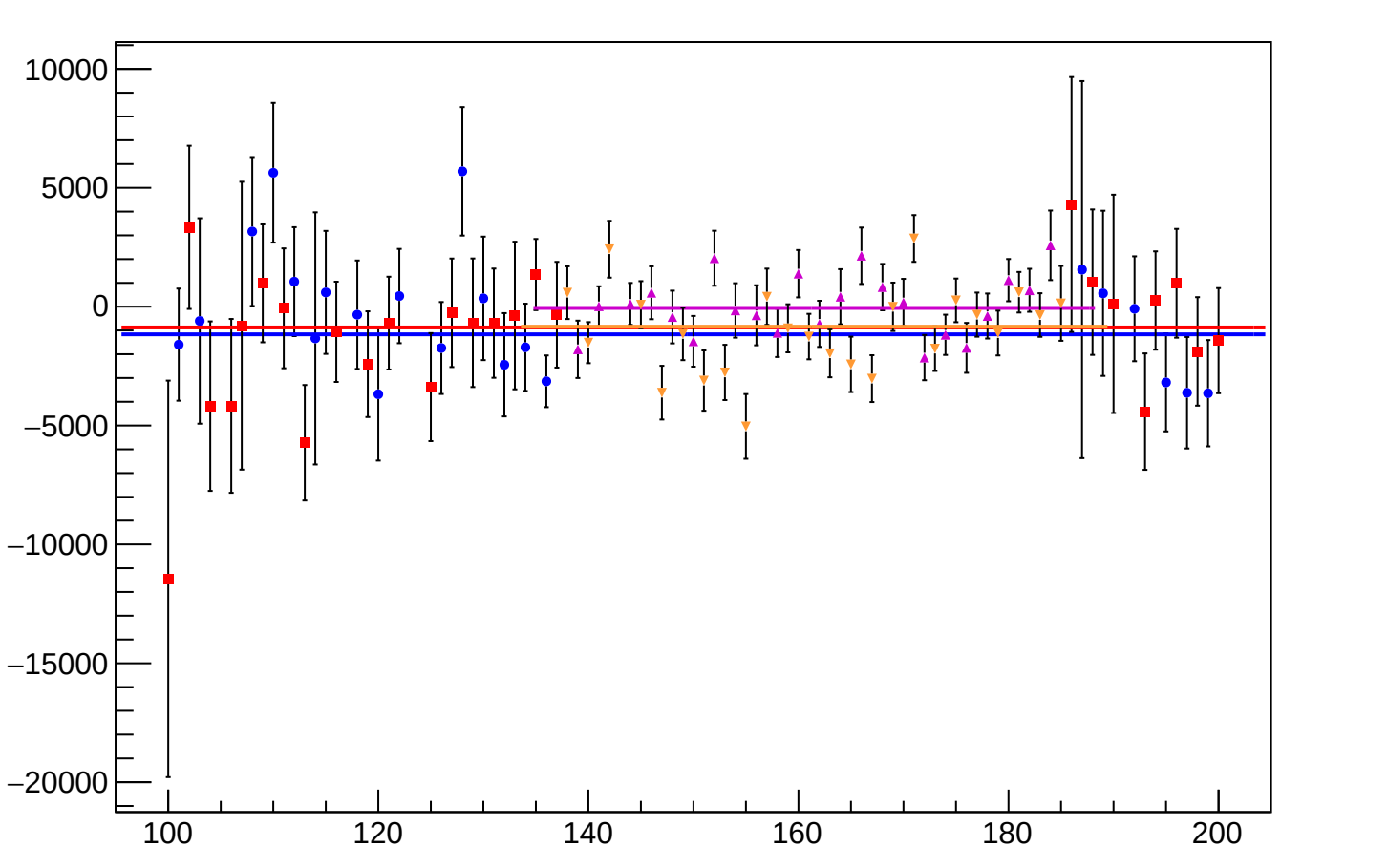
Right Out: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730689.9/45

All: 1764.694+/-0.160 χ^2/NDF: 1083061.8/94

- sign 1770.031+/-0.224 χ^2/NDF: 351210.5/48



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -874.763+/-493.820 χ^2/NDF: 18.2/25

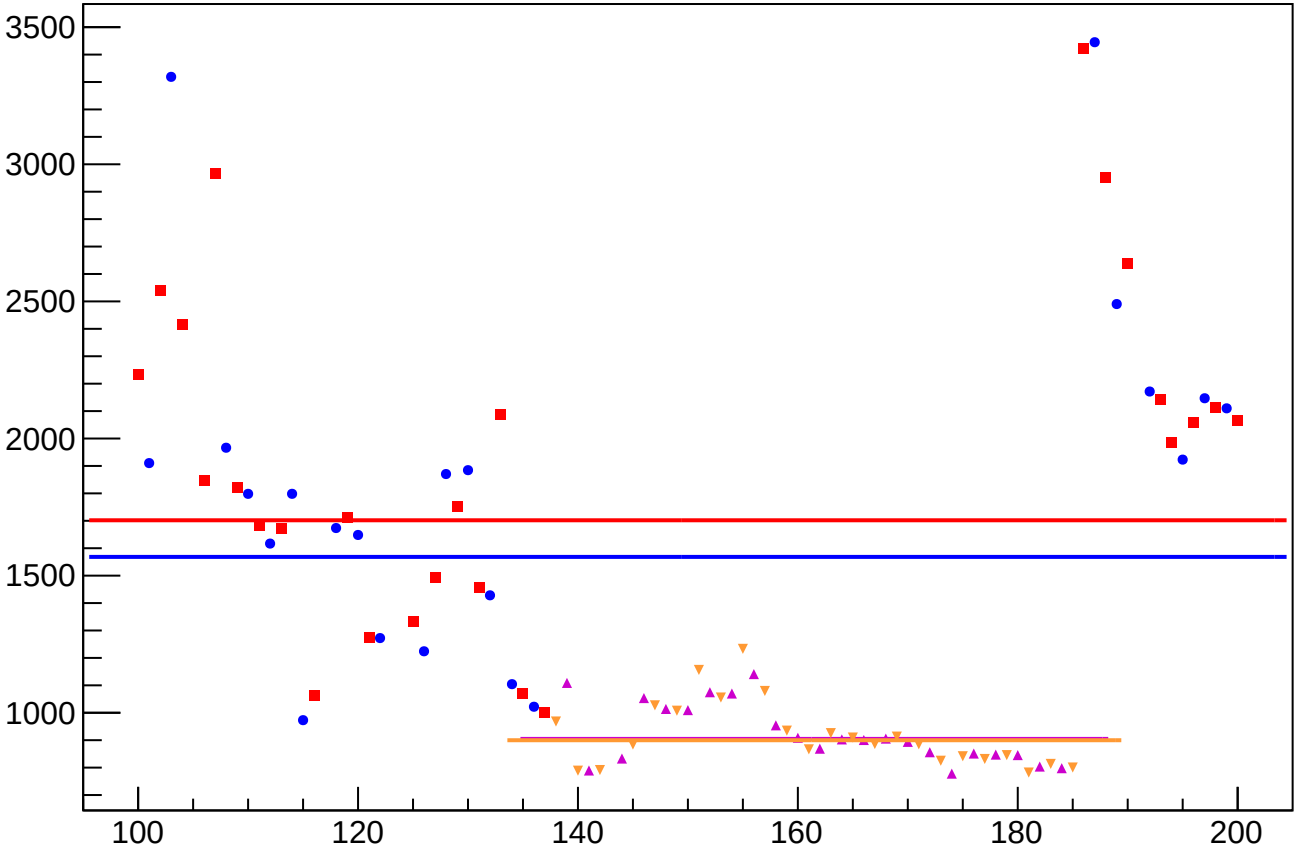
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -893.345+/-193.445 χ^2/NDF: 87.9/45

All: -541.853+/-137.526 χ^2/NDF: 145.7/94

- sign -182.650+/-195.555 χ^2/NDF: 51.2/48

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

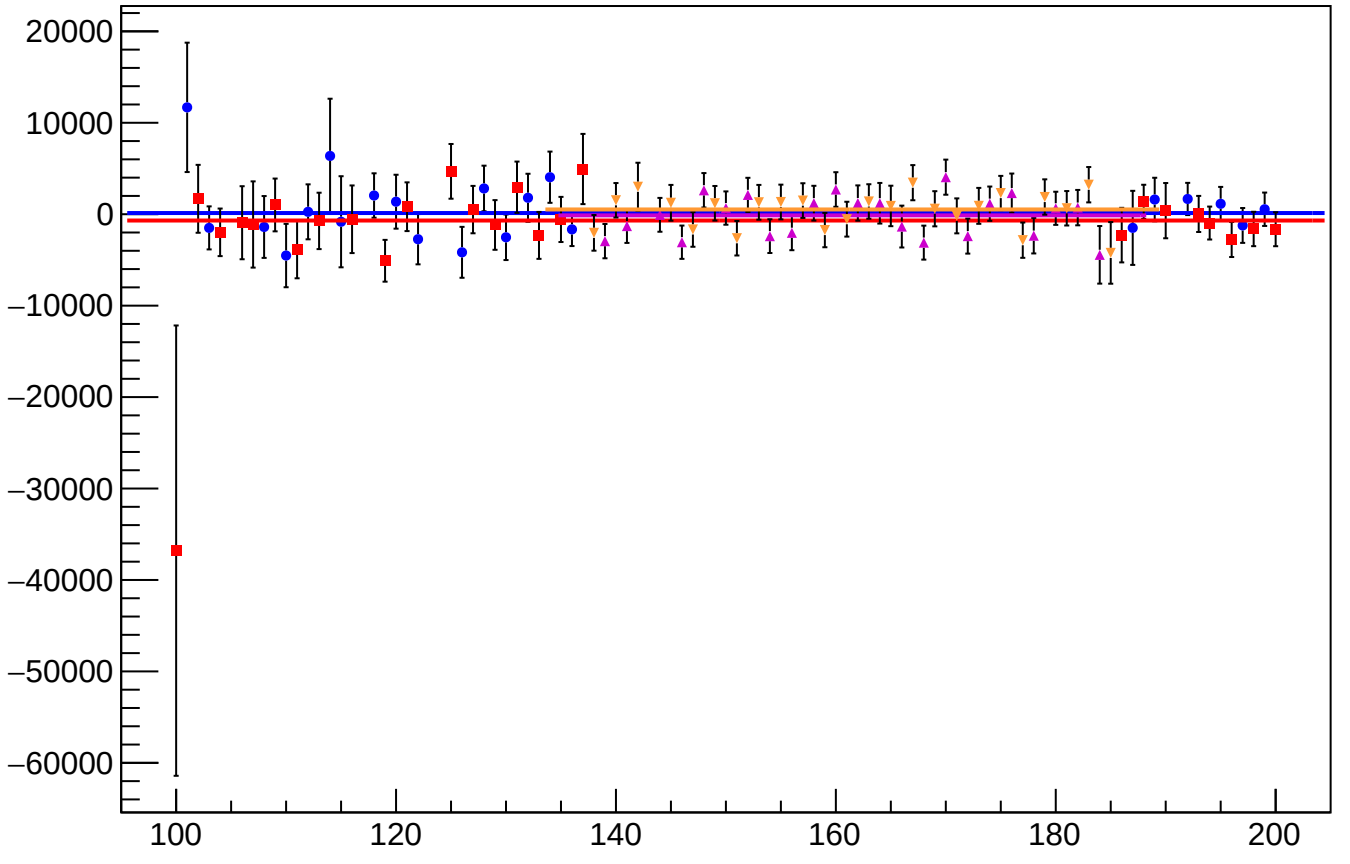
Right Out: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1005.645+/-0.137 χ^2/NDF: 5713776.3/45

All: 1017.528+/-0.097 χ^2/NDF: 12730965.6/9

- sign 1029.673+/-0.138 χ^2/NDF: 7001928.9/48



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -689.127+/-507.304 χ^2/NDF: 19.3/25

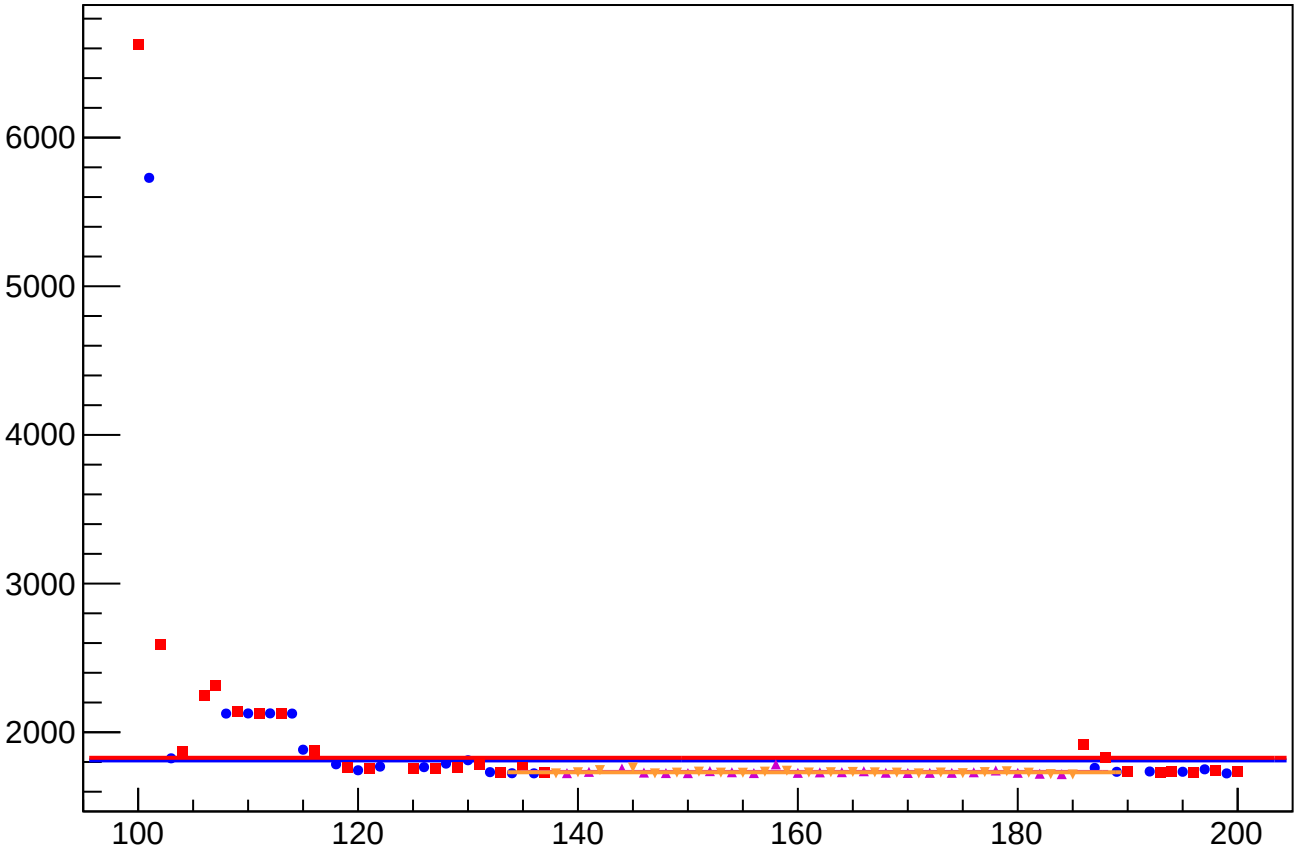
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 381.102+/-322.535 χ^2/NDF: 39.3/45

All: 10.996+/-225.842 χ^2/NDF: 91.5/94

- sign -345.011+/-316.332 χ^2/NDF: 49.5/48

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

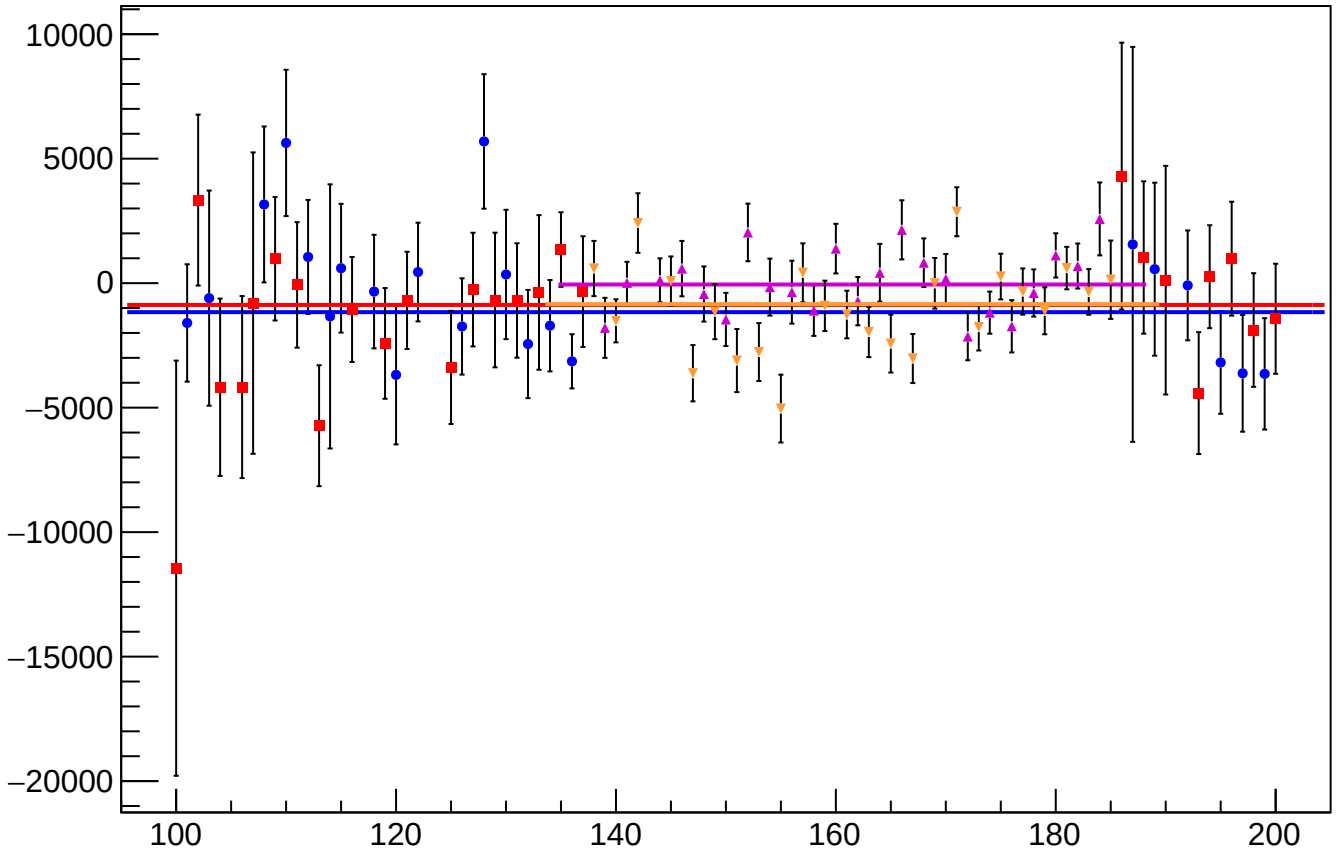
Right Out: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730689.9/45

All: 1764.694+/-0.160 χ^2/NDF: 1083061.8/94

- sign 1770.031+/-0.224 χ^2/NDF: 351210.5/48



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

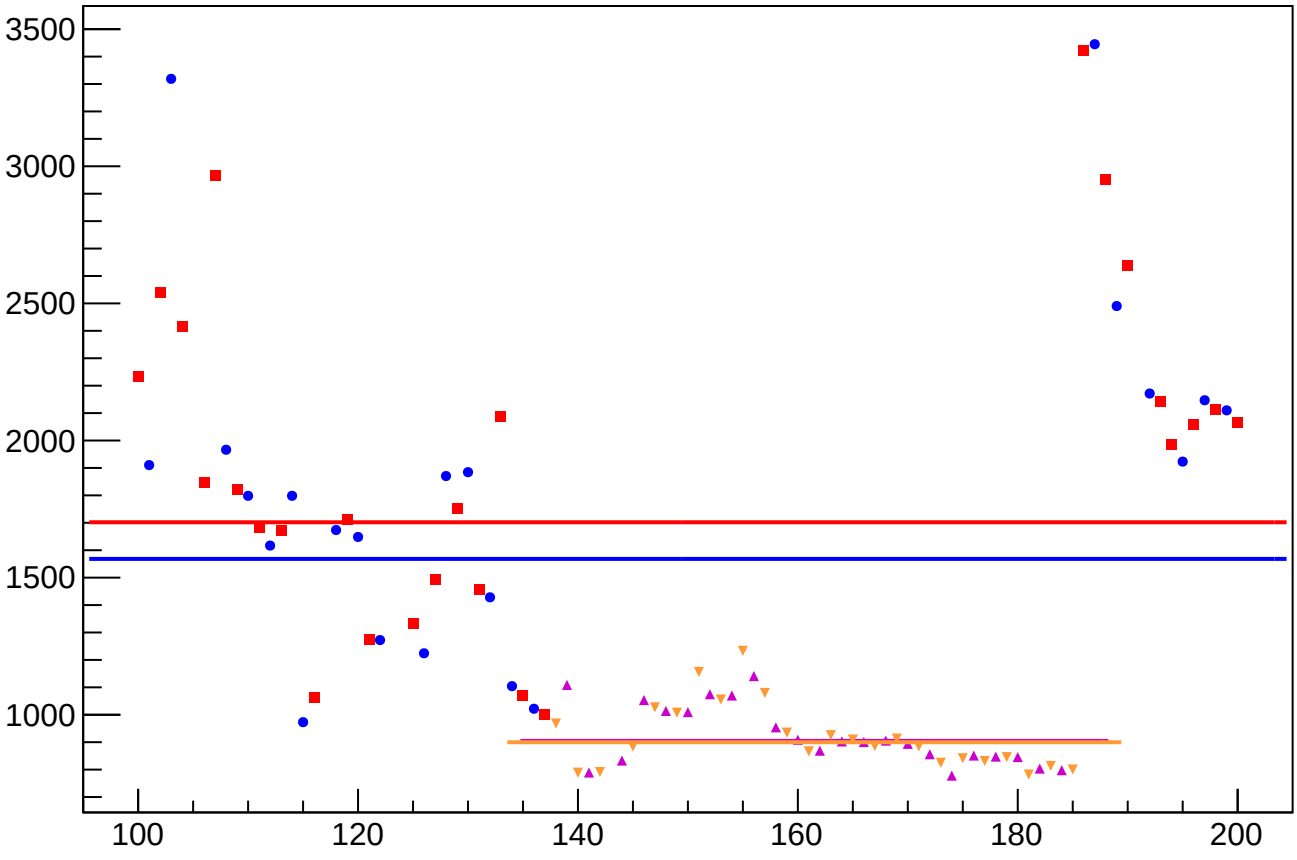
Right Out: -874.763+/-493.820 χ^2/NDF: 18.2/25

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -893.345+/-193.445 χ^2/NDF: 87.9/45

All: -541.853+/-137.526 χ^2/NDF: 145.7/94

\- sign -182.650+/-195.555 χ^2/NDF: 51.2/48



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

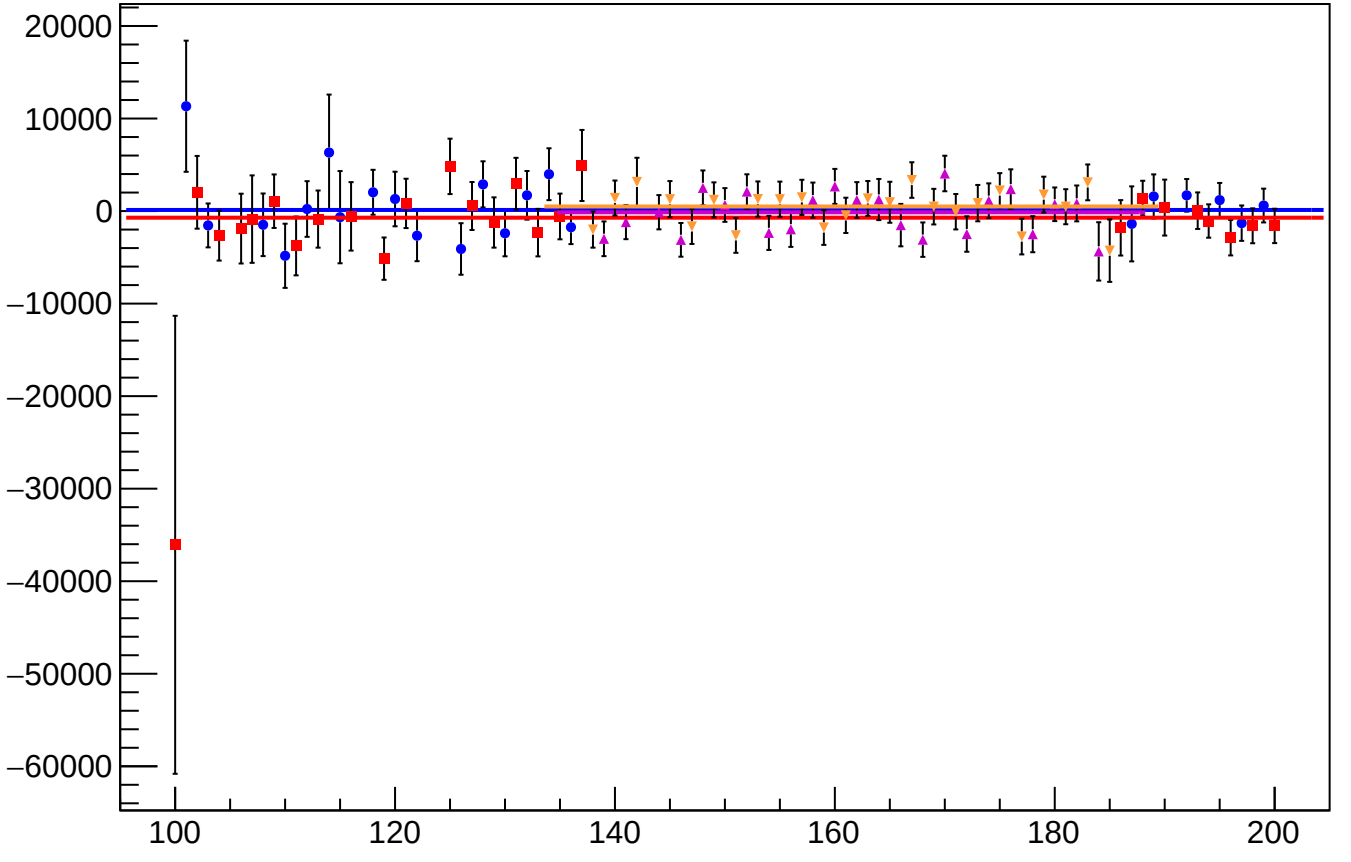
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1005.645+/-0.137 χ^2/NDF: 5713776.3/45

All: 1017.528+/-0.097 χ^2/NDF: 12730965.6/9

- sign 1029.673+/-0.138 χ^2/NDF: 7001928.9/48

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 119.713+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -716.485+/-508.483 χ^2/NDF: 19.9/25

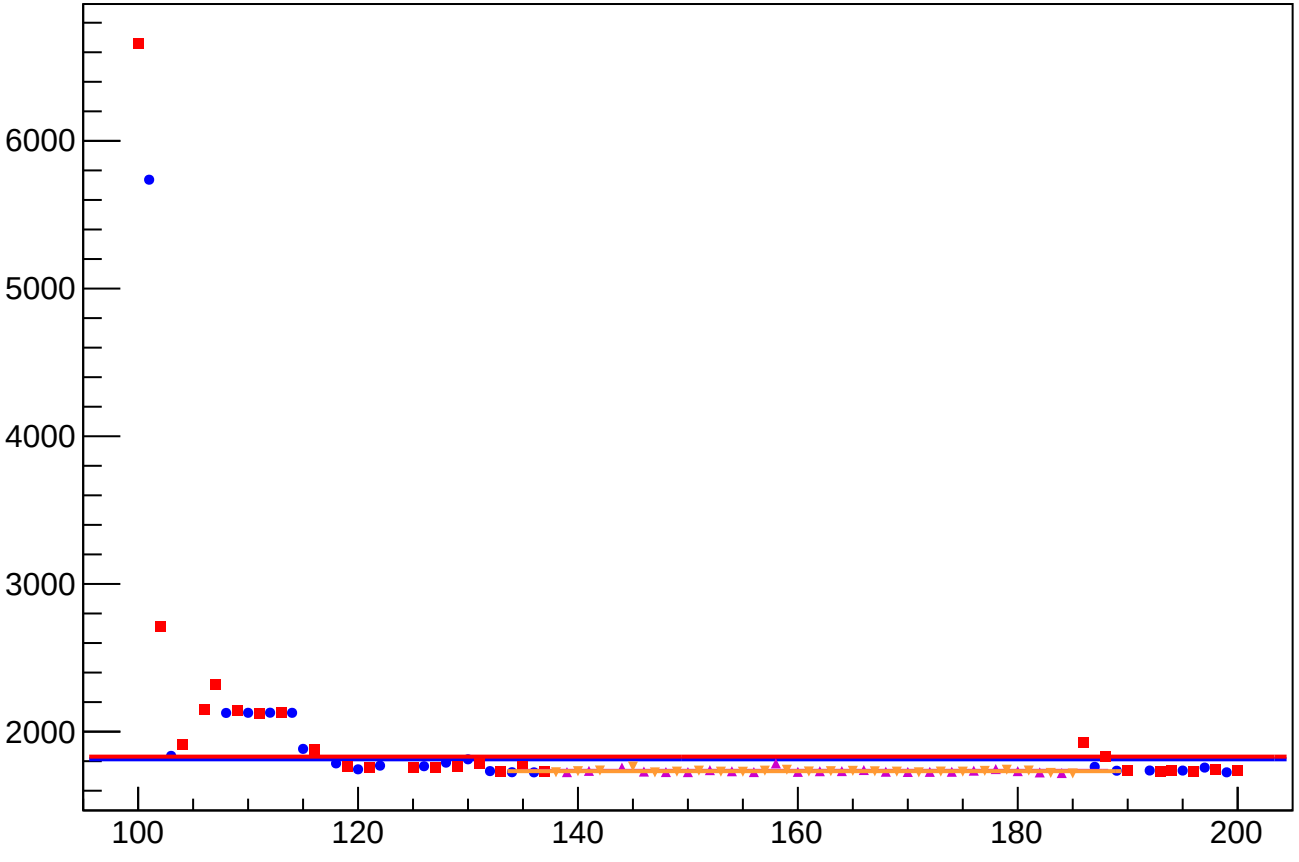
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

\+ sign 361.641+/-322.866 χ^2/NDF: 38.6/45

All: -7.062+/-226.122 χ^2/NDF: 91.4/94

\- sign -362.023+/-316.792 χ^2/NDF: 50.3/48

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

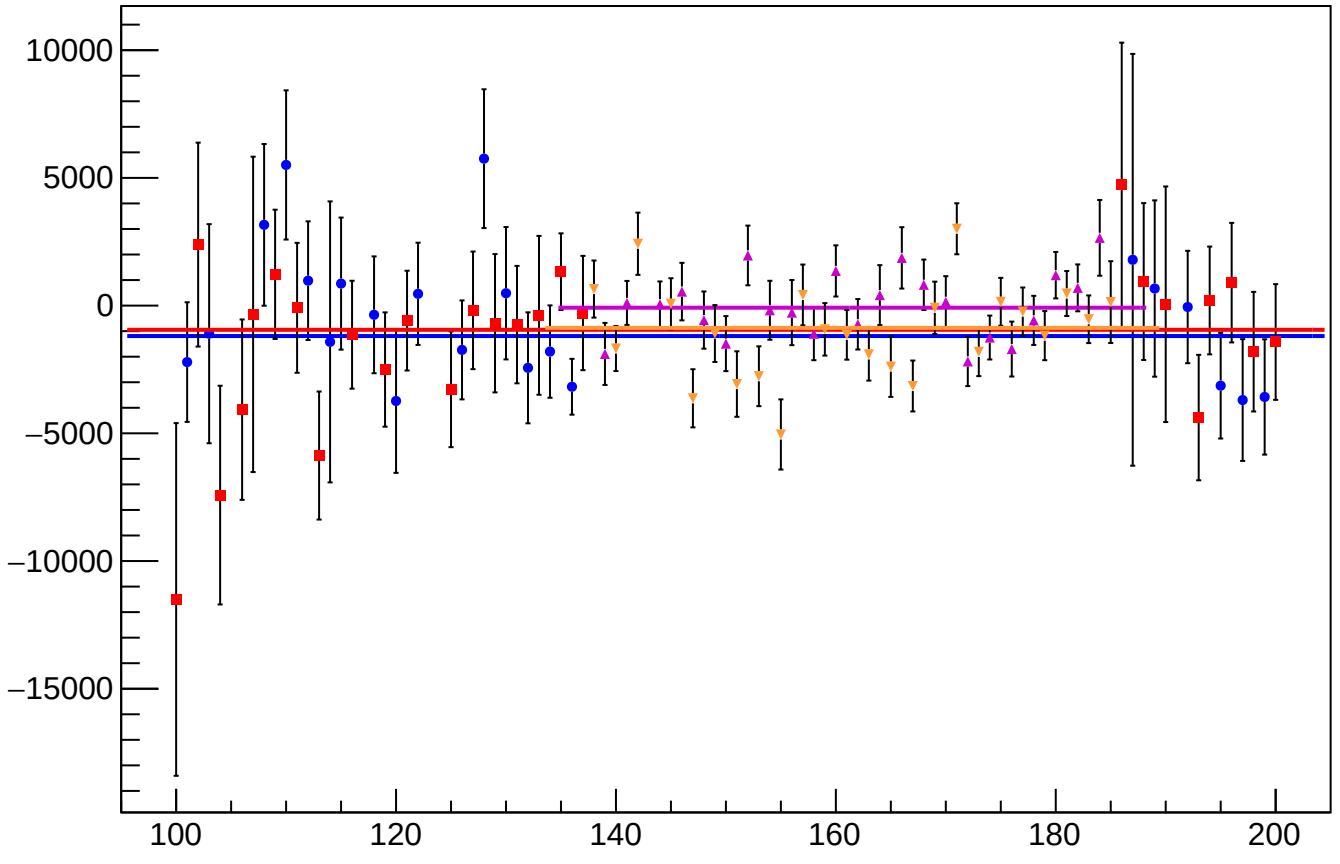
Right Out: 1830.825+/-0.360 χ^2/NDF: 316314.3/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1760.858+/-0.228 χ^2/NDF: 731077.7/45

All: 1766.499+/-0.160 χ^2/NDF: 1094658.2/94

- sign 1771.930+/-0.224 χ^2/NDF: 362382.2/48



Right In: -1191.745+/-487.523 χ^2/NDF: 25.0/21

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

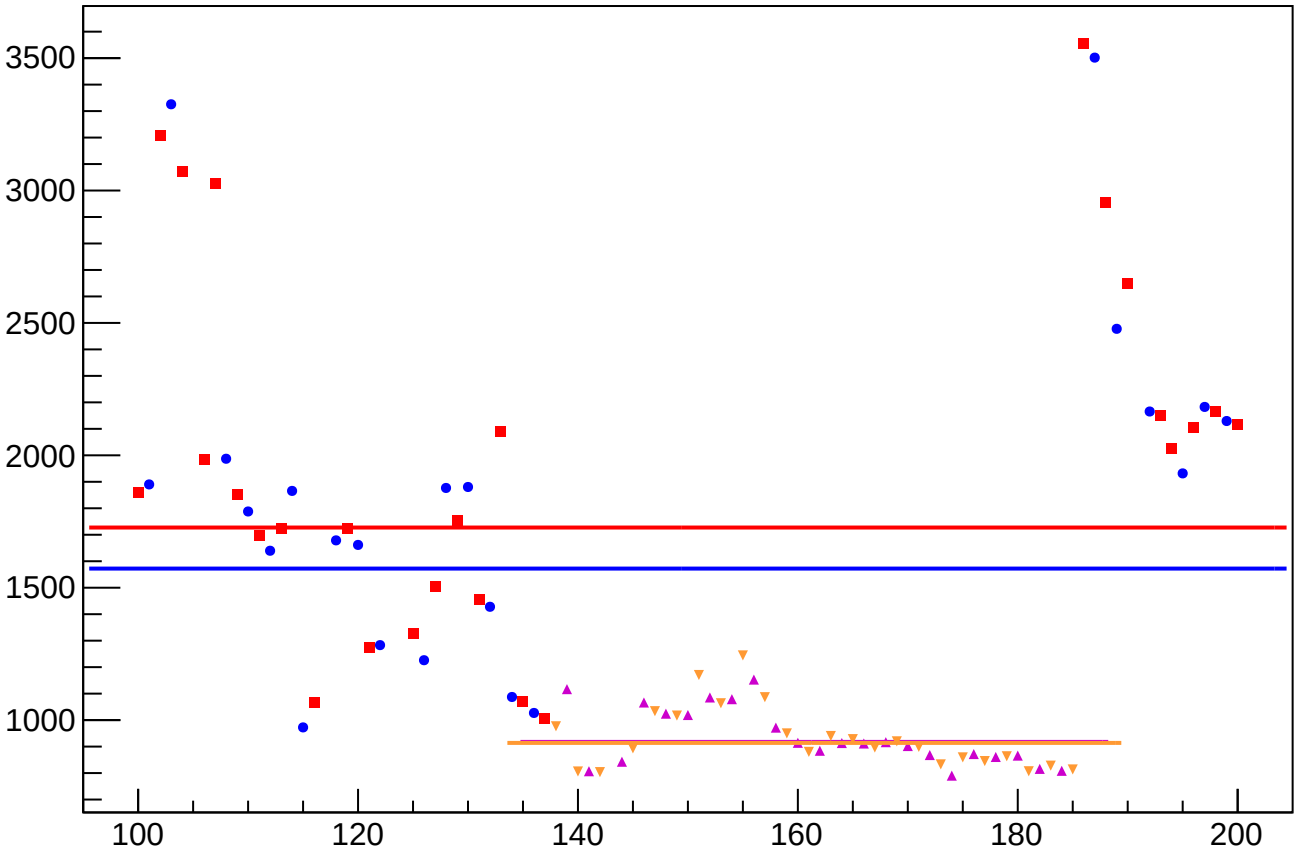
Right Out: -947.651+/-500.444 χ^2/NDF: 19.5/25

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -924.352+/-195.959 χ^2/NDF: 87.4/45

All: -575.004+/-139.366 χ^2/NDF: 145.8/94

\- sign -217.443+/-198.249 χ^2/NDF: 52.0/48



Right In: 1572.257+/-0.345 χ^2/NDF: 2058663.6/21

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1727.278+/-0.354 χ^2/NDF: 2503175.8/25

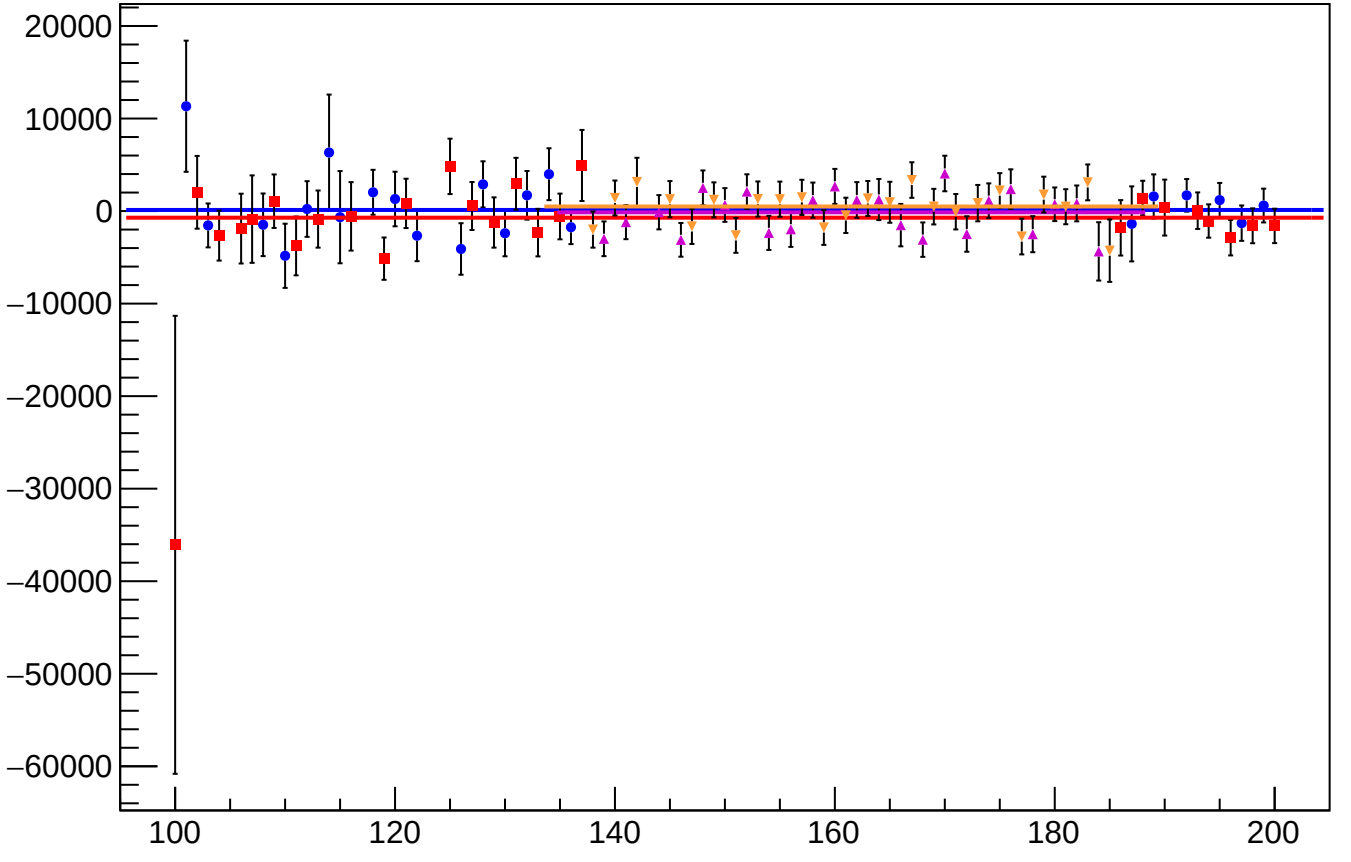
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1020.264+/-0.139 χ^2/NDF: 5579495.9/45

All: 1032.353+/-0.099 χ^2/NDF: 12941510.7/9

- sign 1044.727+/-0.140 χ^2/NDF: 7346612.0/48

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 119.715+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -716.484+/-508.483 χ^2/NDF: 19.9/25

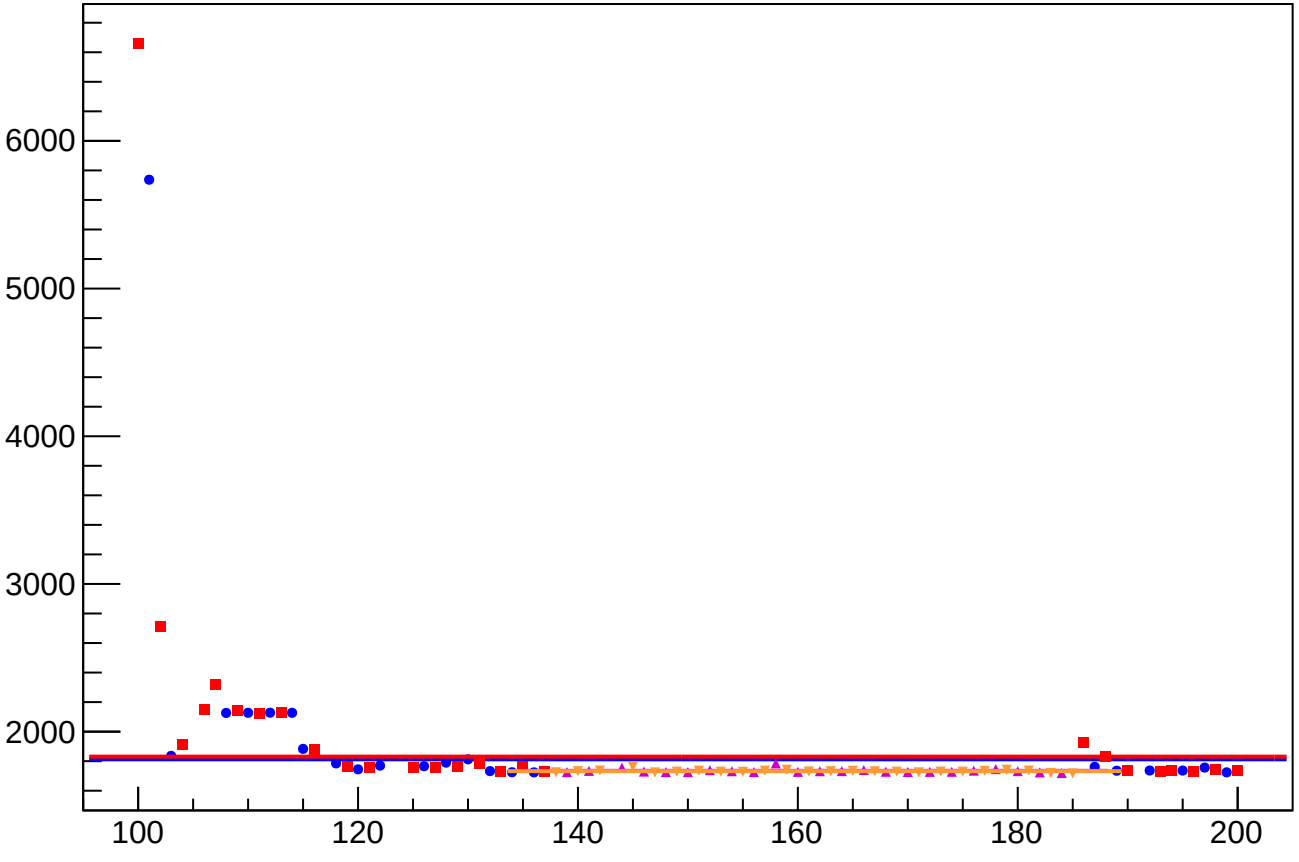
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 361.642+/-322.866 χ^2/NDF: 38.6/45

All: -7.062+/-226.122 χ^2/NDF: 91.4/94

- sign -362.023+/-316.792 χ^2/NDF: 50.3/48

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

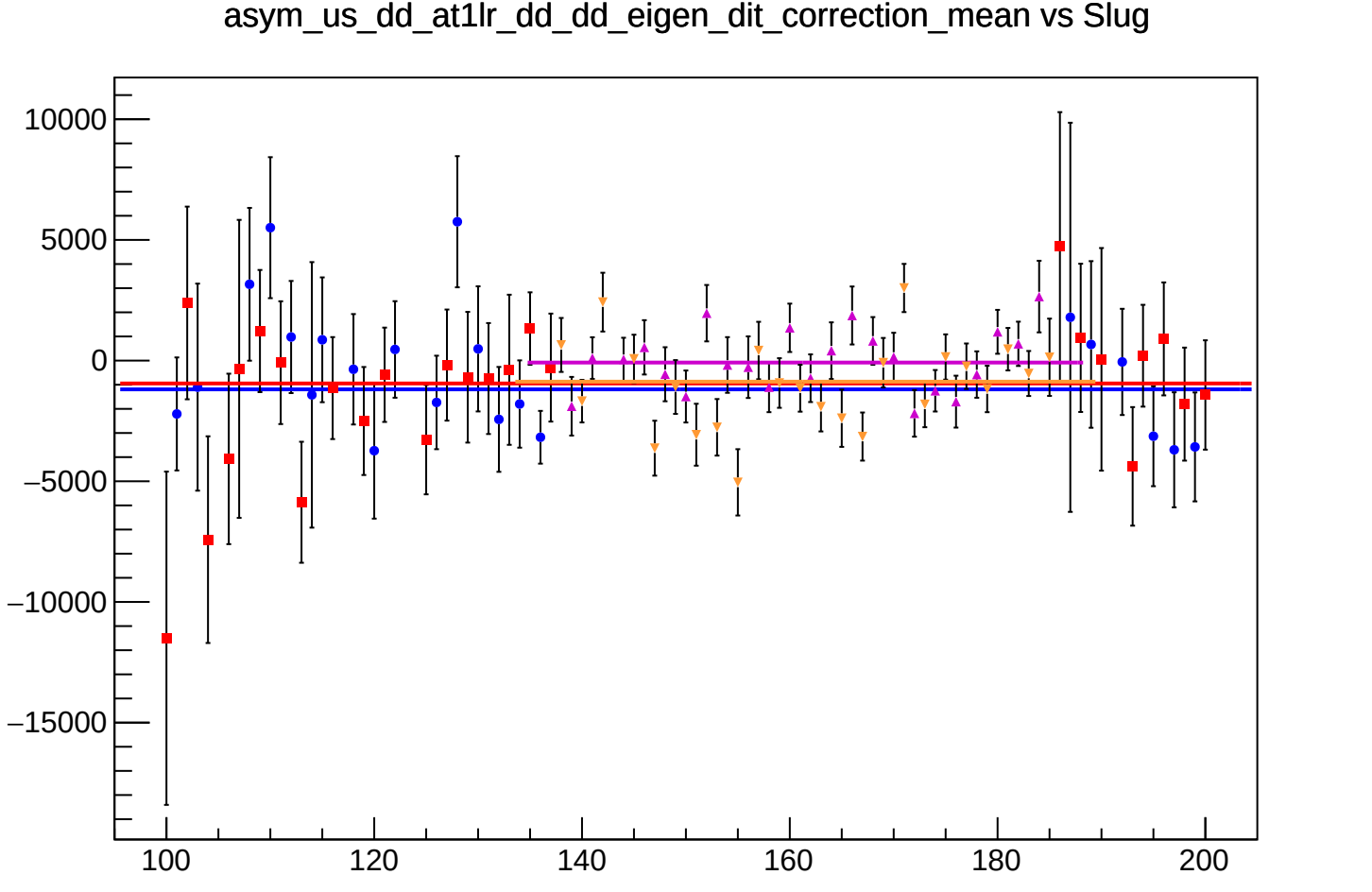
Right Out: 1830.825+/-0.360 χ^2/NDF: 316314.0/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1760.858+/-0.228 χ^2/NDF: 731077.7/45

All: 1766.499+/-0.160 χ^2/NDF: 1094657.9/94

- sign 1771.930+/-0.224 χ^2/NDF: 362381.9/48



Right In: -1191.739+/-487.522 χ^2/NDF: 25.0/21

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

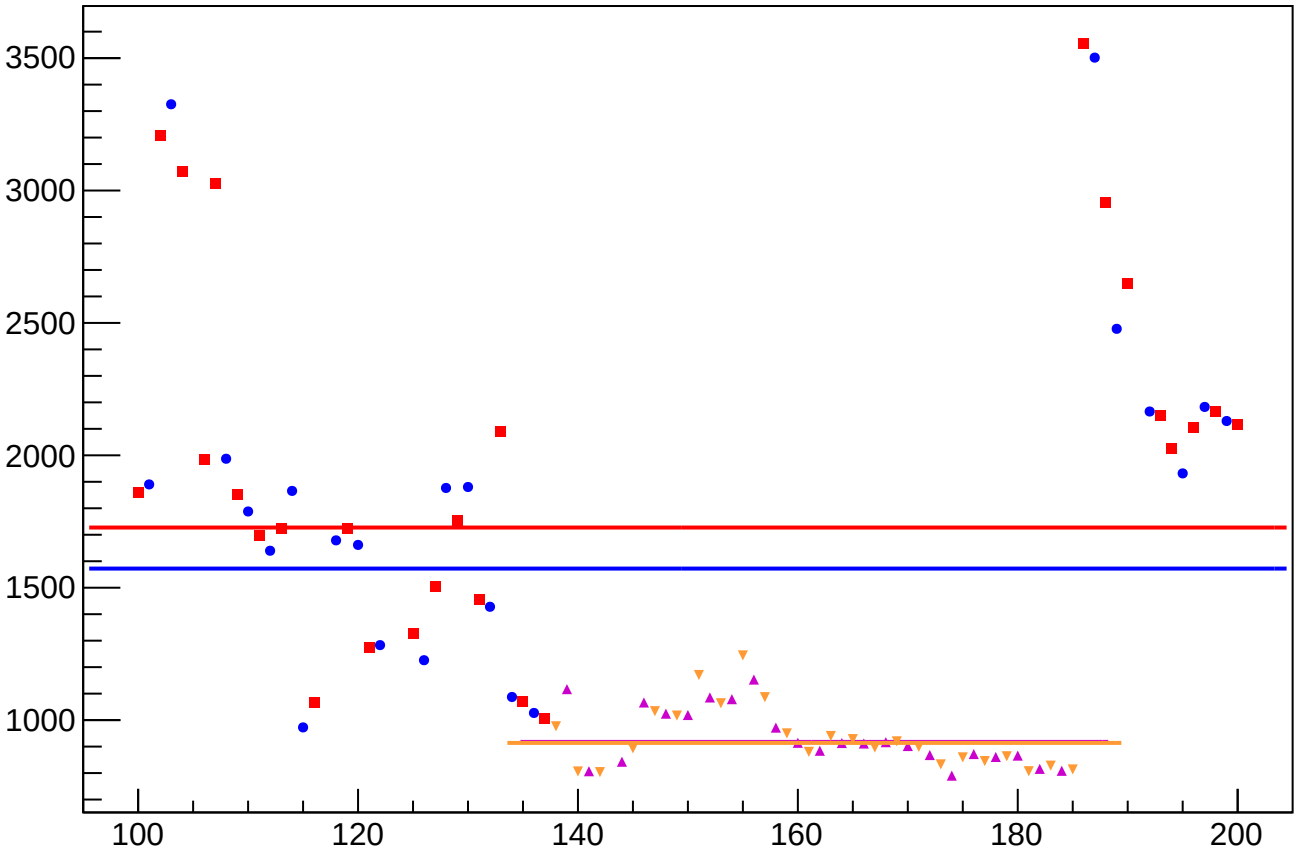
Right Out: -947.651+/-500.443 χ^2/NDF: 19.5/25

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -924.351+/-195.959 χ^2/NDF: 87.4/45

All: -575.003+/-139.366 χ^2/NDF: 145.8/94

- sign -217.442+/-198.249 χ^2/NDF: 52.0/48



Right In: 1572.254+/-0.345 χ^2/NDF: 2058668.6/21

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

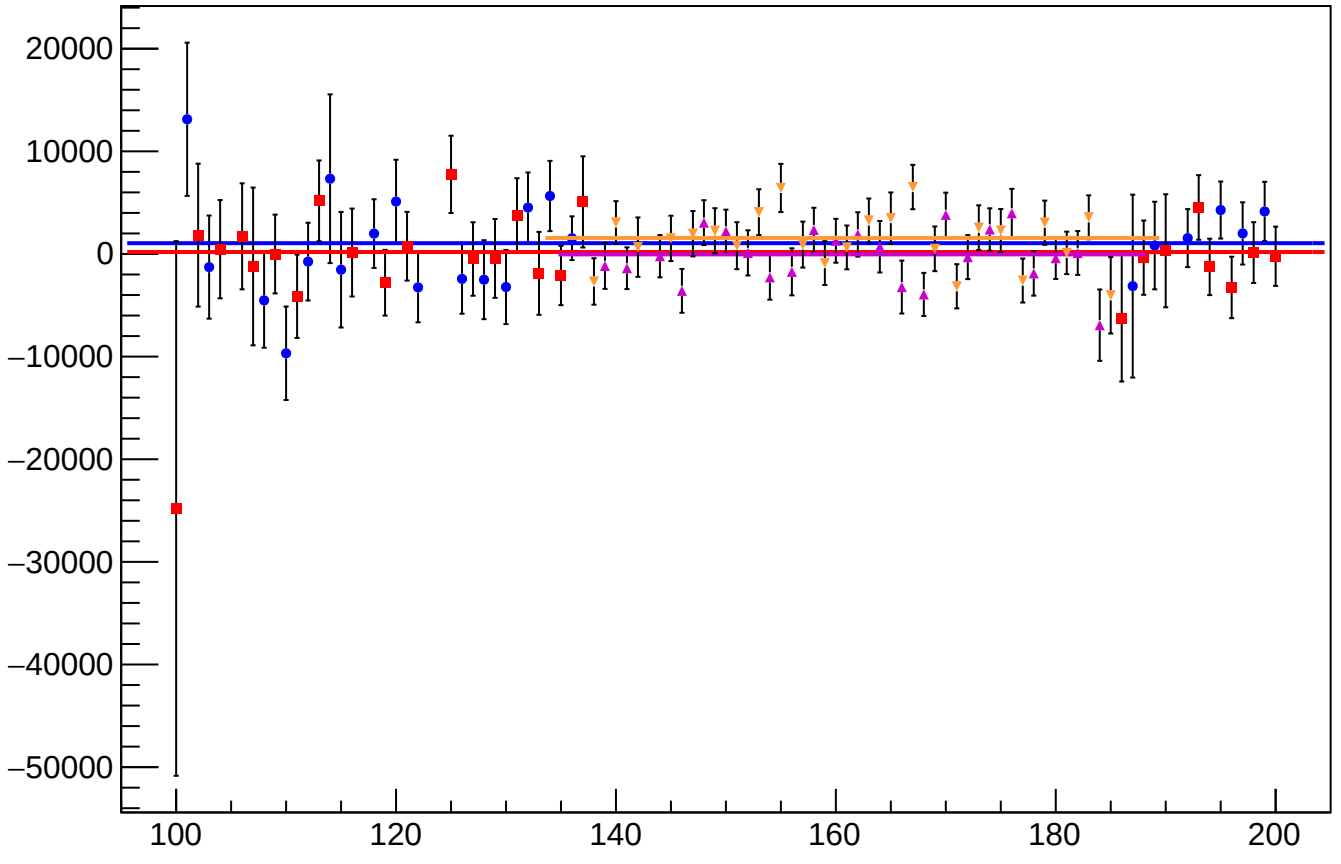
Right Out: 1727.276+/-0.354 χ^2/NDF: 2503184.7/25

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1020.264+/-0.139 χ^2/NDF: 5579492.2/45

All: 1032.353+/-0.099 χ^2/NDF: 12941514.6/9

- sign 1044.726+/-0.140 χ^2/NDF: 7346619.7/48



Right In: 1052.033+/-772.033 χ^2/NDF: 22.6/21

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 189.399+/-746.847 χ^2/NDF: 16.5/25

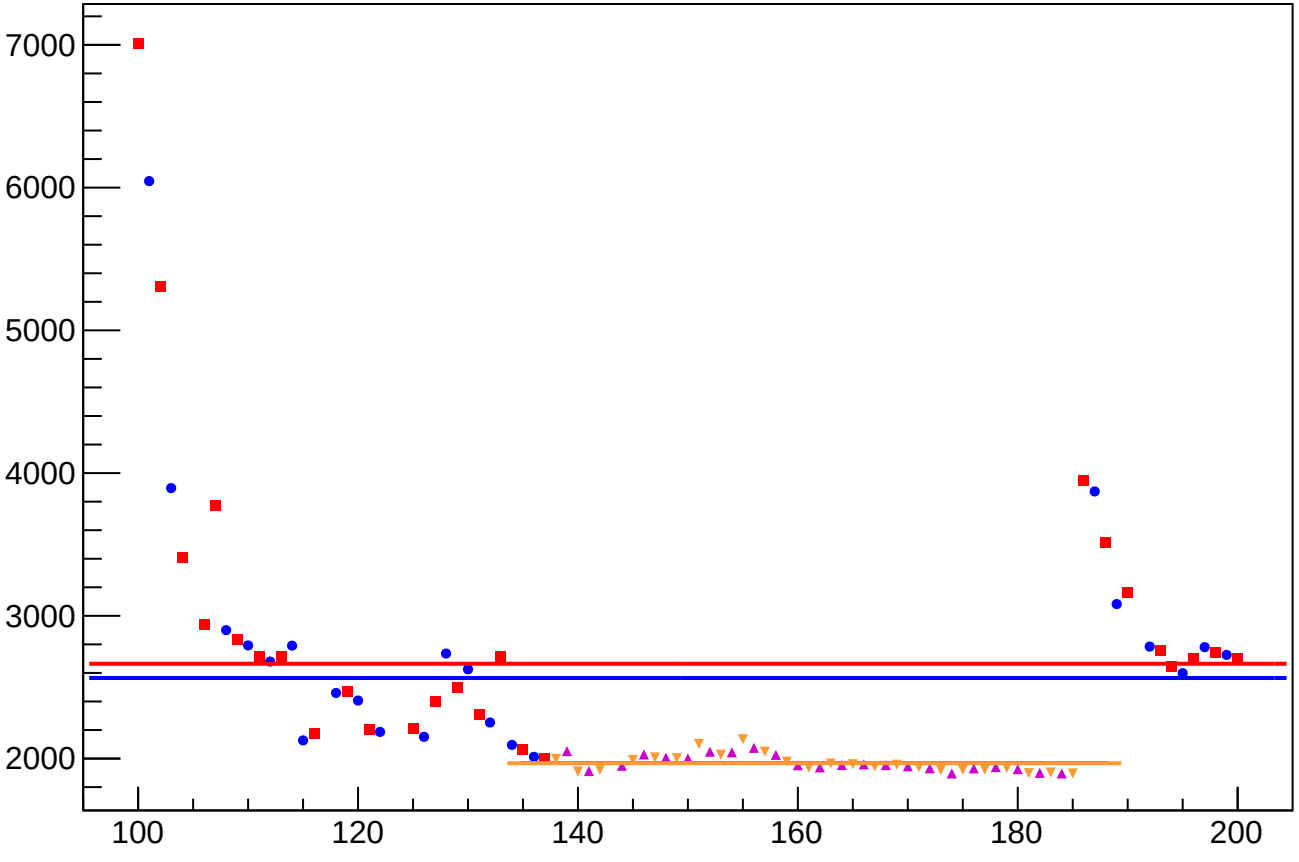
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1429.249+/-393.190 χ^2/NDF: 54.1/45

All: 723.410+/-277.474 χ^2/NDF: 105.0/94

- sign 23.162+/-391.630 χ^2/NDF: 44.4/48

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2564.531+/-0.546 χ^2/NDF: 959611.6/21

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

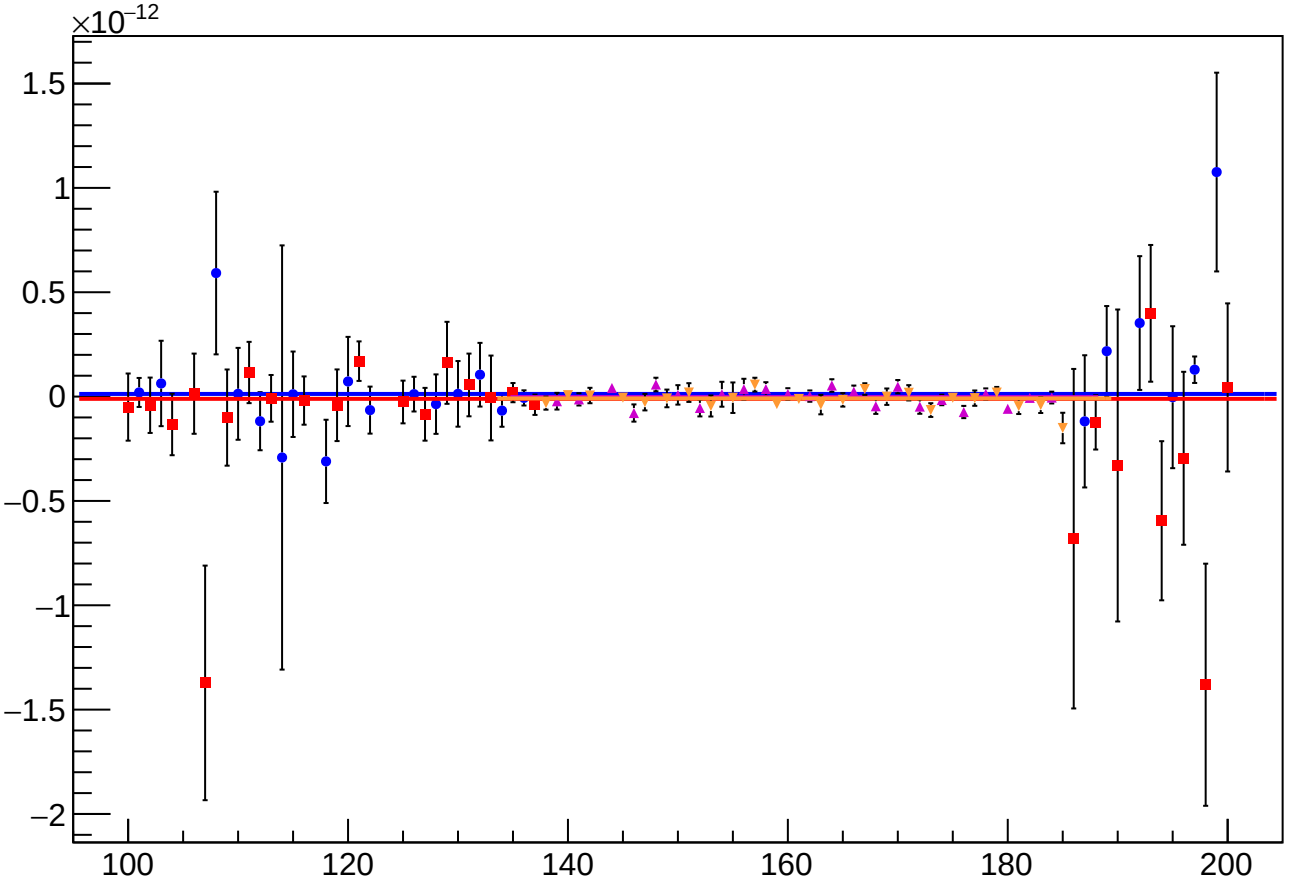
Right Out: 2664.371+/-0.528 χ^2/NDF: 926327.2/25

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2122.294+/-0.278 χ^2/NDF: 1879904.7/45

All: 2141.335+/-0.196 χ^2/NDF: 4099078.4/94

- sign 2160.225+/-0.277 χ^2/NDF: 2209830.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

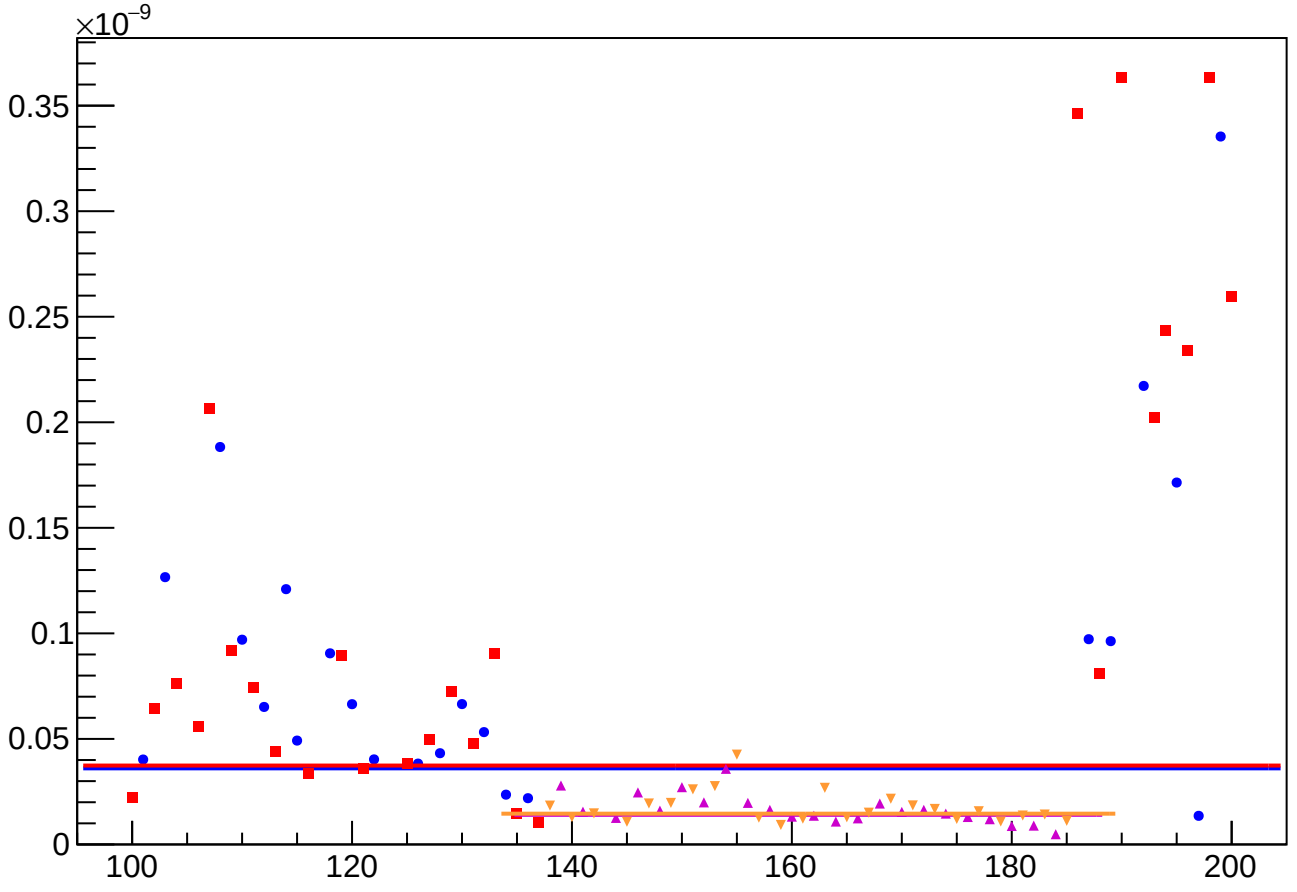
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/25

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/45

All: -0.000+/-0.000 χ^2/NDF: 104.6/94

- sign -0.000+/-0.000 χ^2/NDF: 64.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 3848419.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

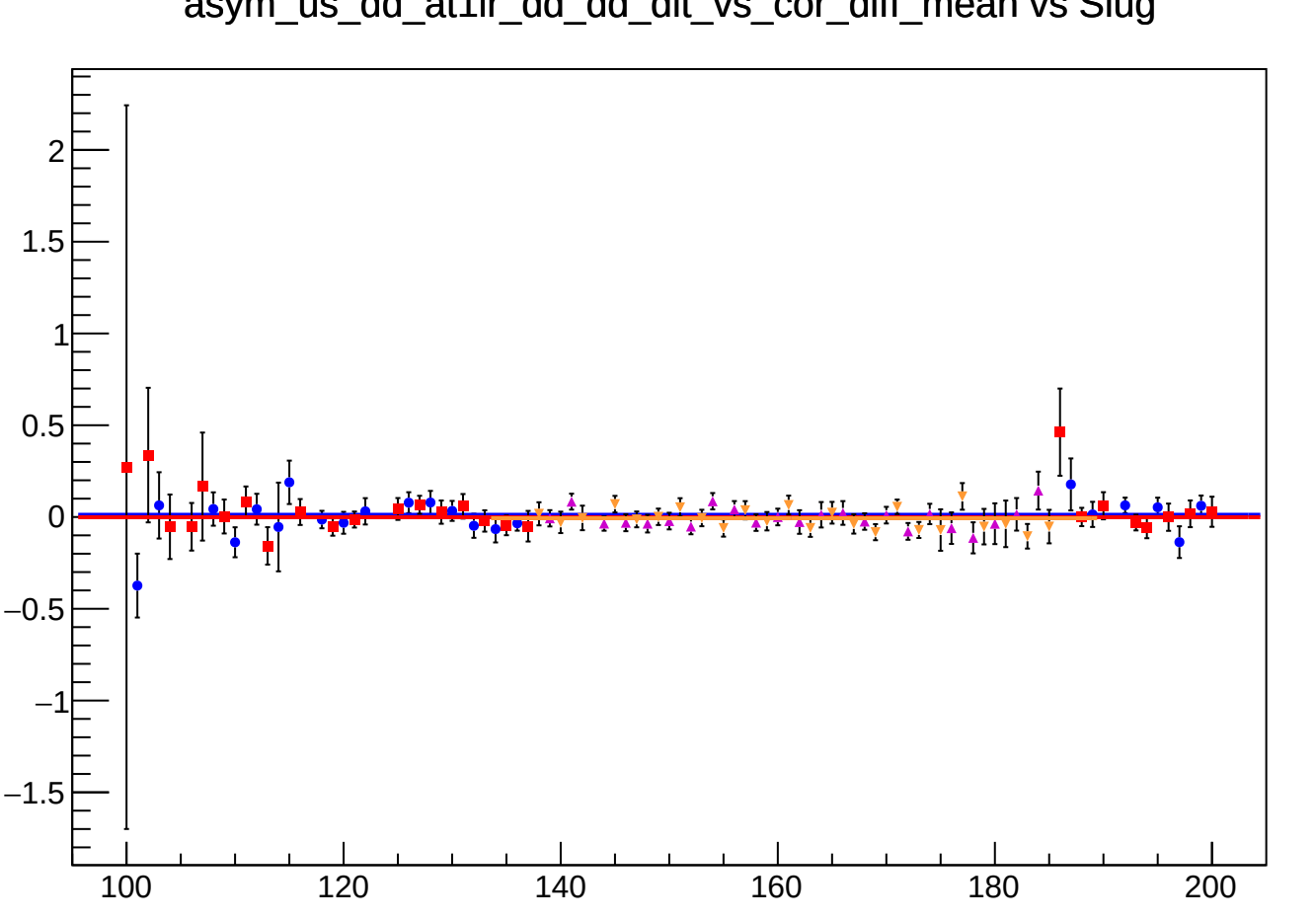
Right Out: 0.000+/-0.000 χ^2/NDF: 5866315.0/25

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6700962.5/45

All: 0.000+/-0.000 χ^2/NDF: 15818397.7/94

- sign 0.000+/-0.000 χ^2/NDF: 9106899.1/48



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

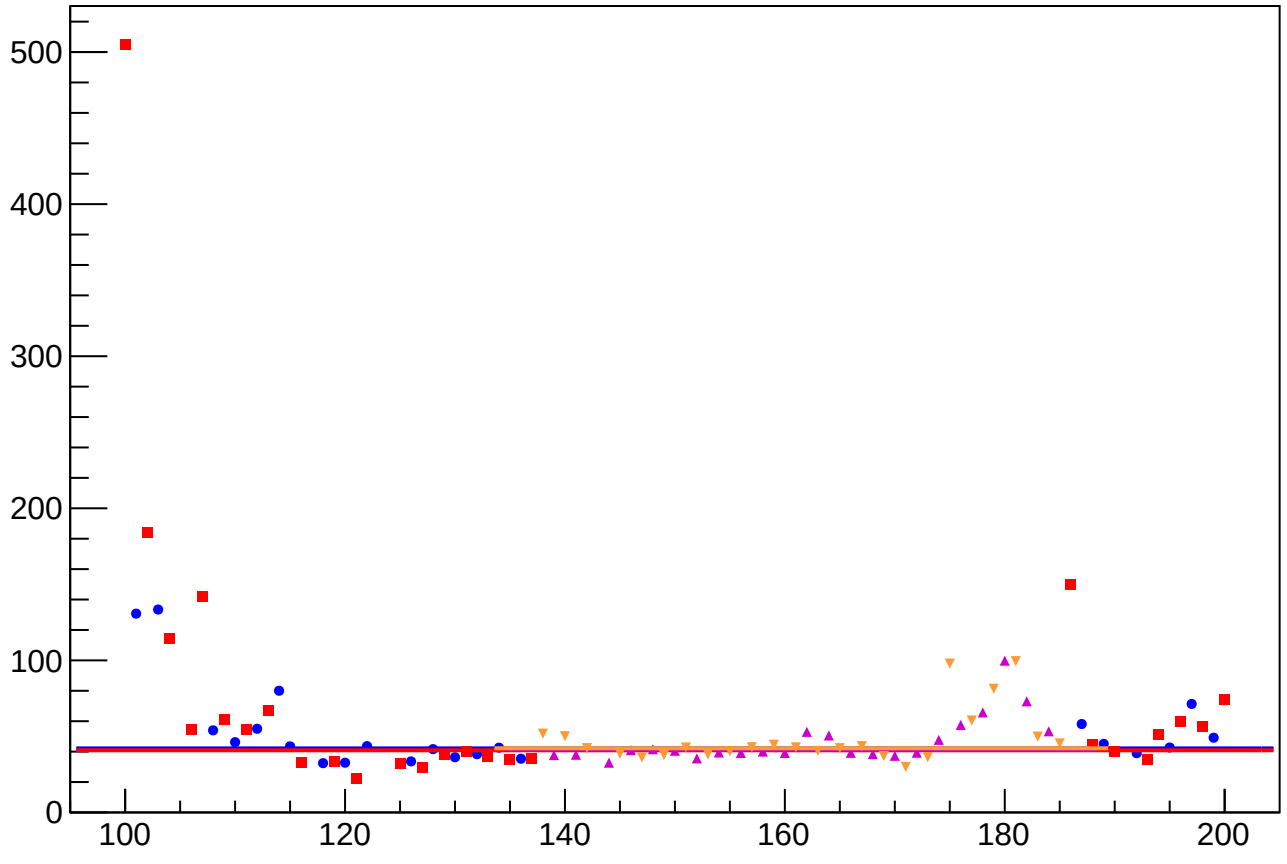
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.4/94

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

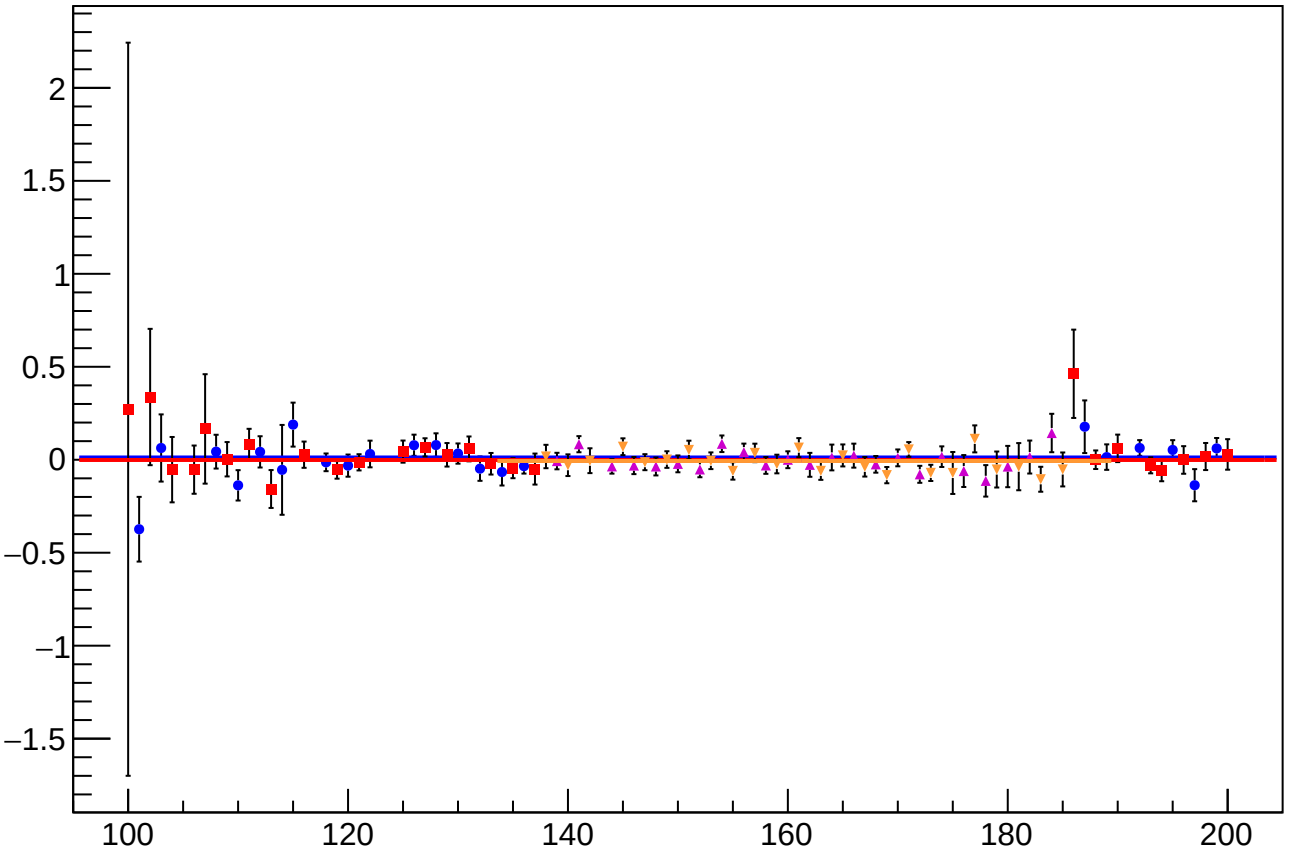
Right Out: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552273.5/45

All: 41.677+/-0.004 χ^2/NDF: 8021597.6/94

- sign 41.208+/-0.006 χ^2/NDF: 4456459.6/48



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

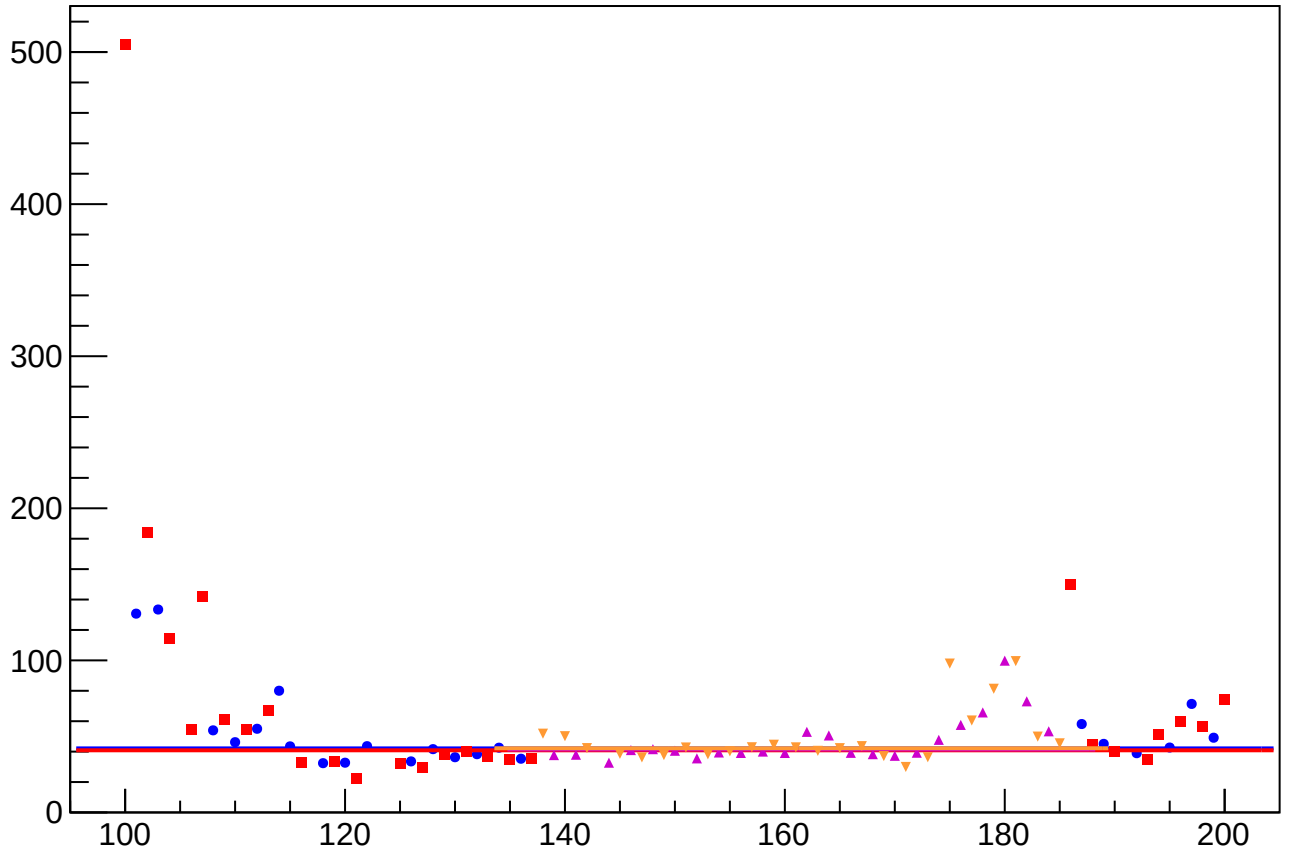
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.4/94

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

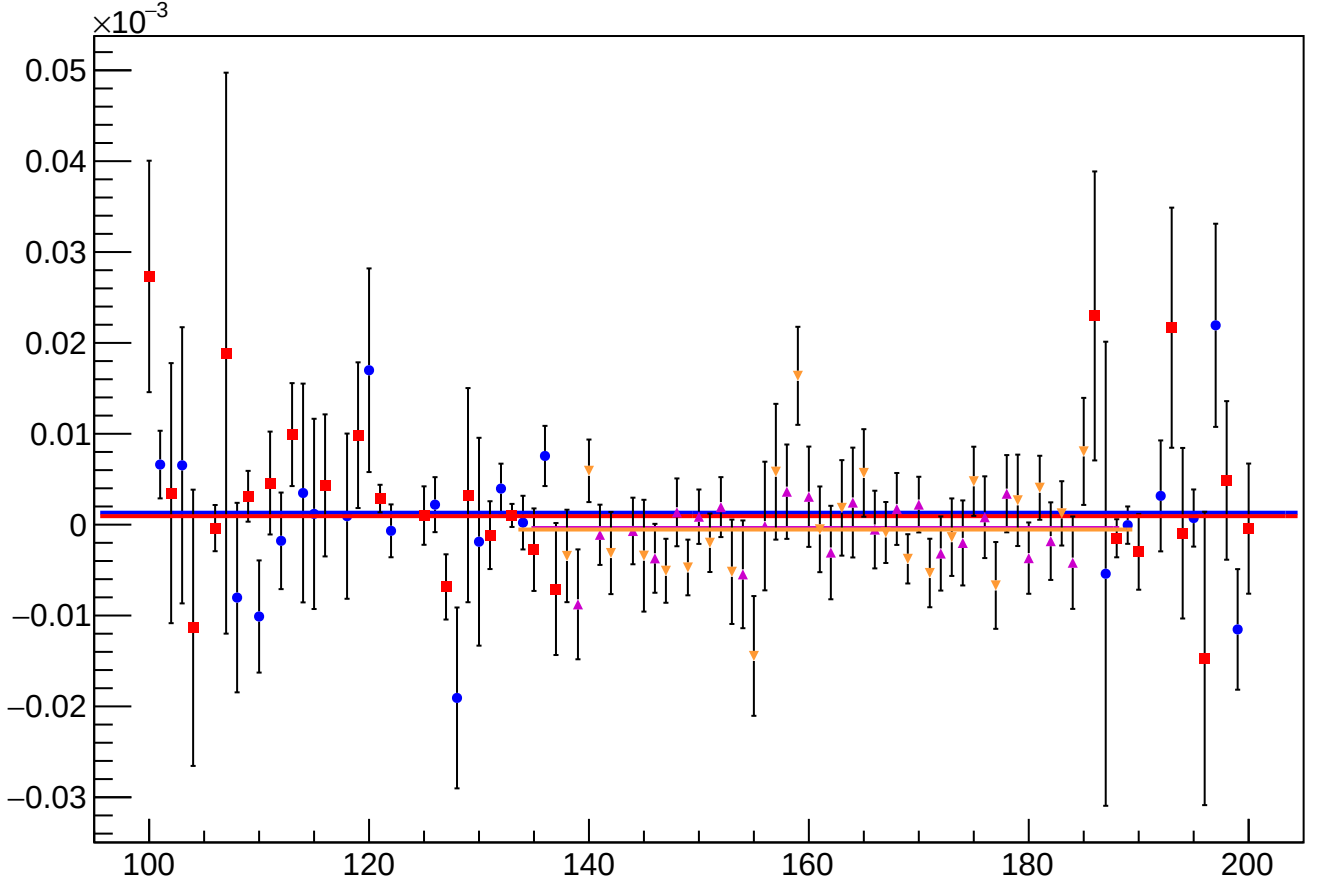
Right Out: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552273.5/45

All: 41.677+/-0.004 χ^2/NDF: 8021597.6/94

- sign 41.208+/-0.006 χ^2/NDF: 4456459.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

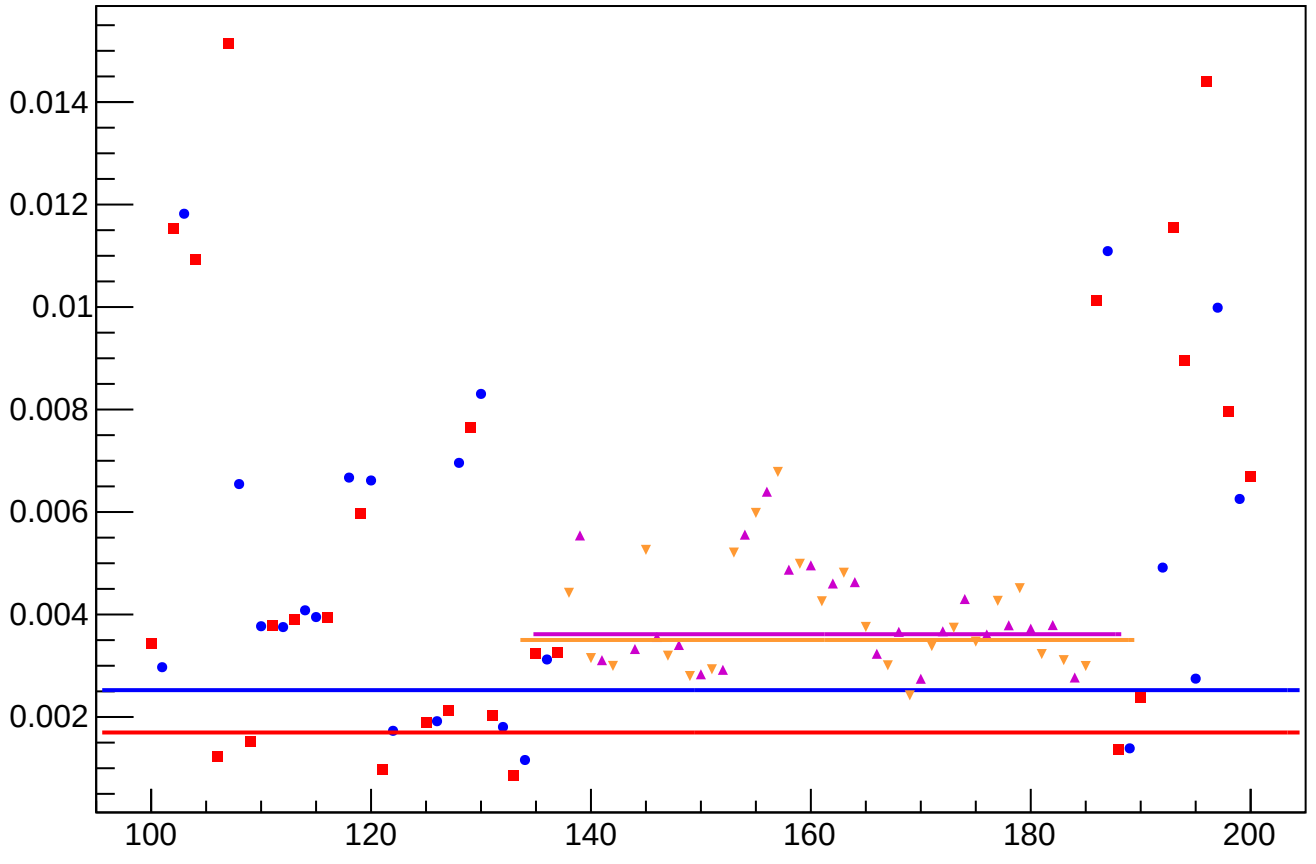
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/25

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/45

All: 0.000+/-0.000 χ^2/NDF: 103.0/94

- sign 0.000+/-0.000 χ^2/NDF: 38.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 6460588.8/21

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

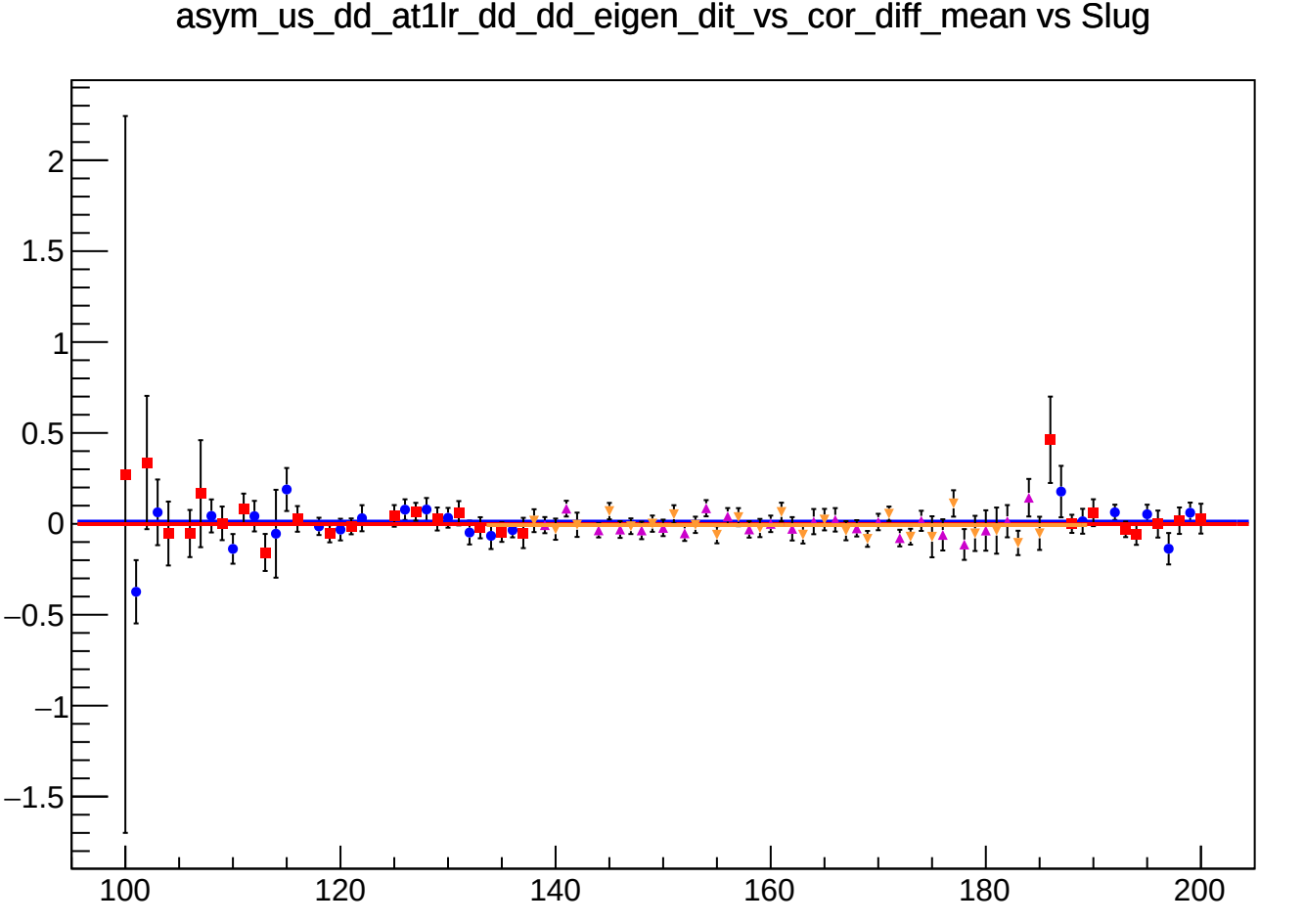
Right Out: 0.002+/-0.000 χ^2/NDF: 11937313.0/25

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 9871511.3/45

All: 0.003+/-0.000 χ^2/NDF: 30592345.2/94

- sign 0.002+/-0.000 χ^2/NDF: 19571149.7/48



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

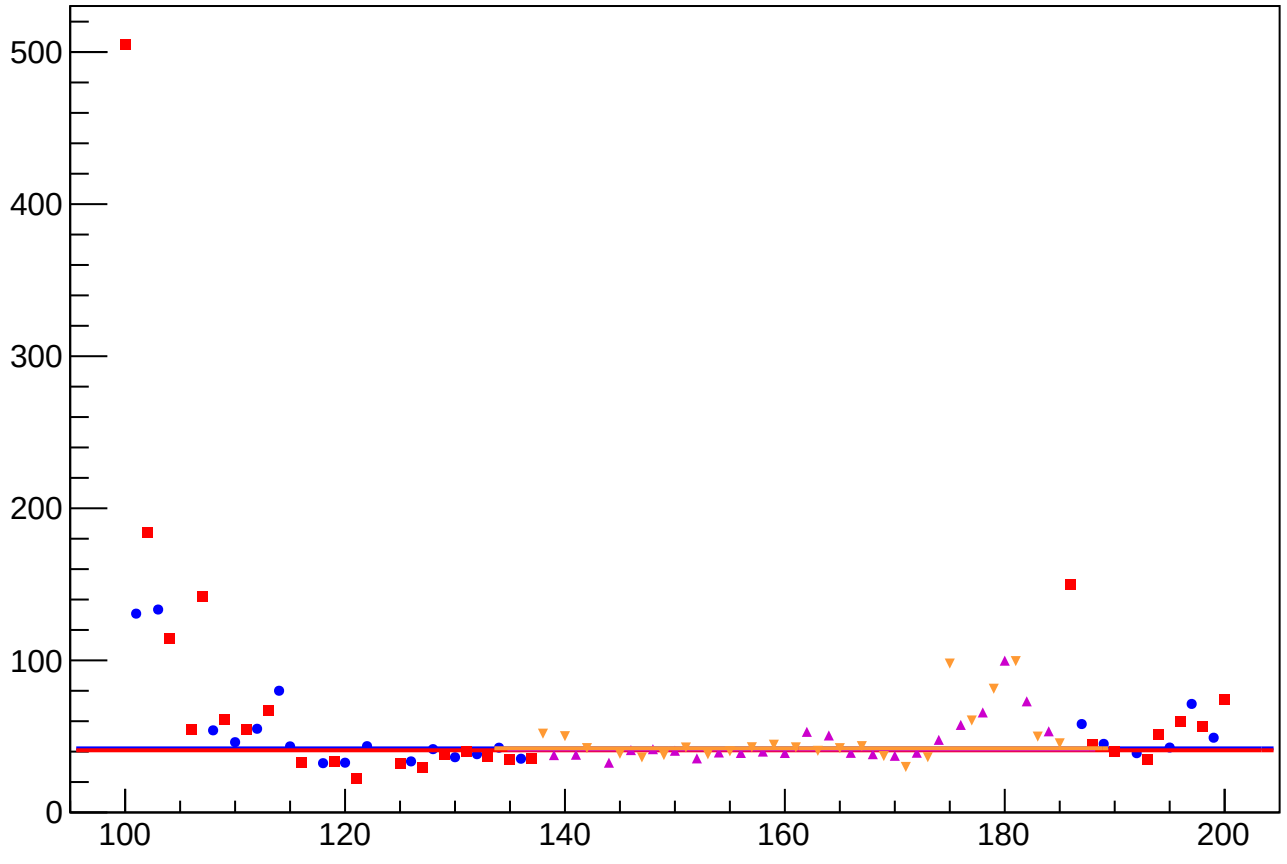
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.4/94

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

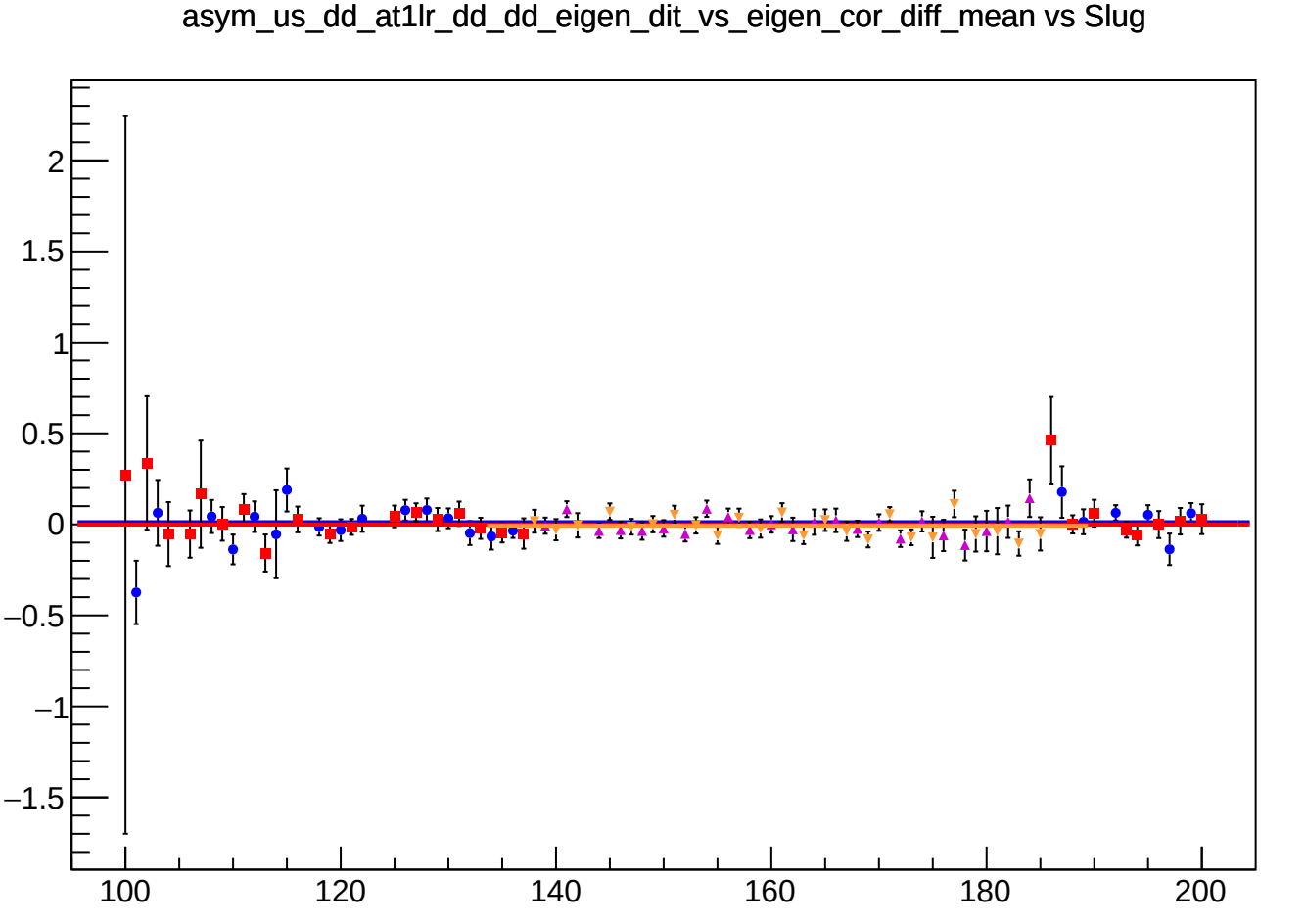
Right Out: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552160.5/45

All: 41.677+/-0.004 χ^2/NDF: 8021622.5/94

- sign 41.208+/-0.006 χ^2/NDF: 4456583.4/48



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

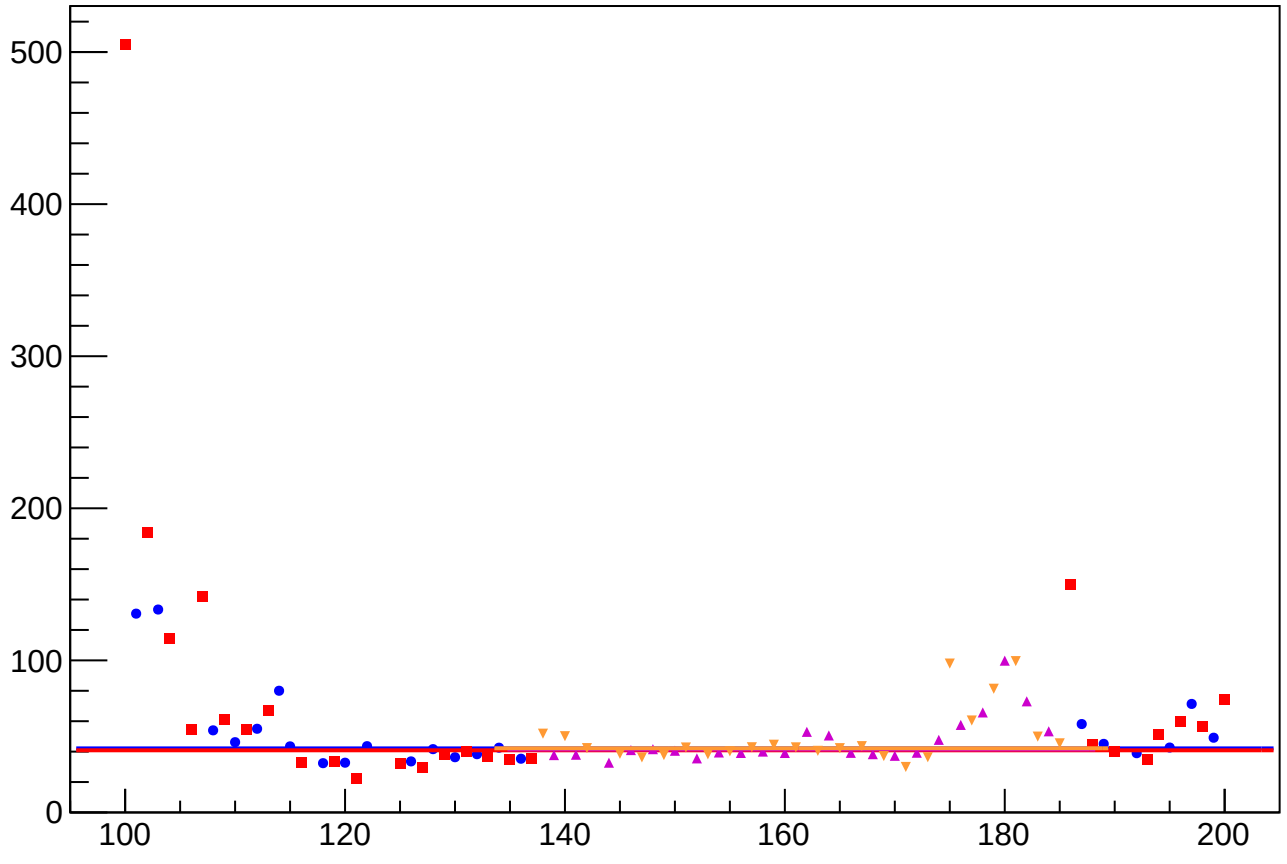
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.4/94

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

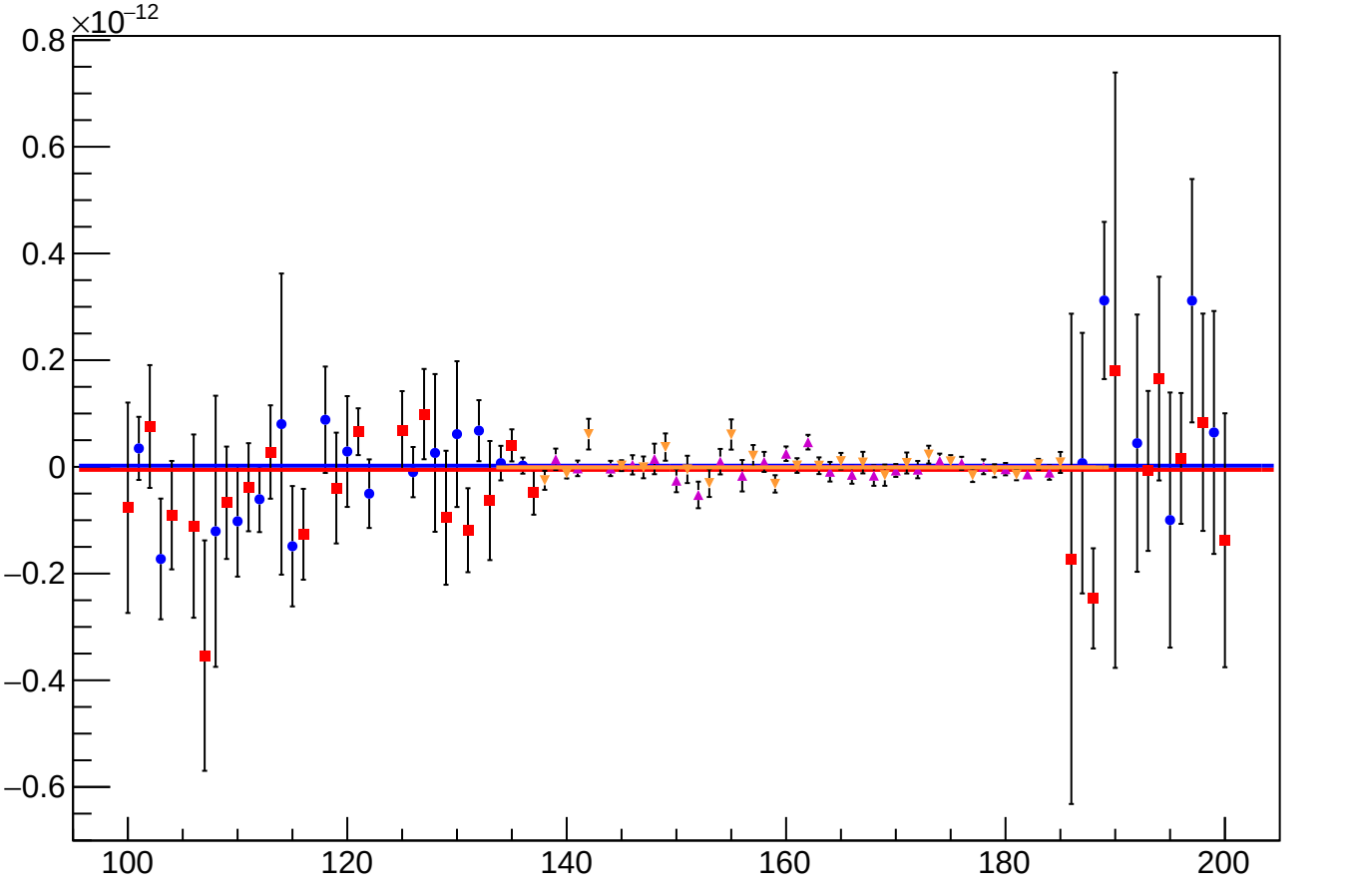
Right Out: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 42.173+/-0.006 χ^2/NDF: 3552160.5/45

All: 41.677+/-0.004 χ^2/NDF: 8021622.5/94

\- sign 41.208+/-0.006 χ^2/NDF: 4456583.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

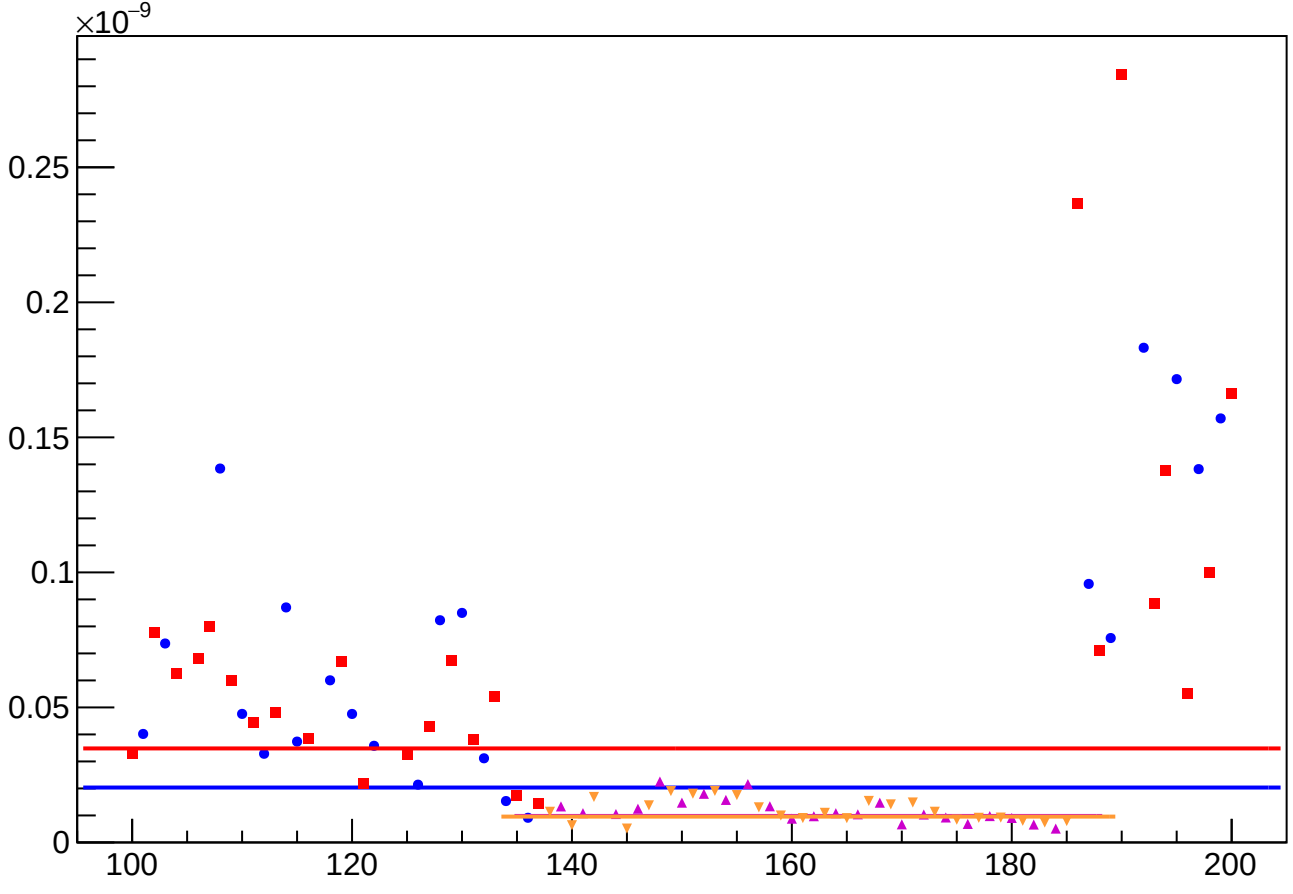
Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/25

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/45

All: -0.000+/-0.000 χ^2/NDF: 101.1/94

- sign -0.000+/-0.000 χ^2/NDF: 55.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 7517679.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

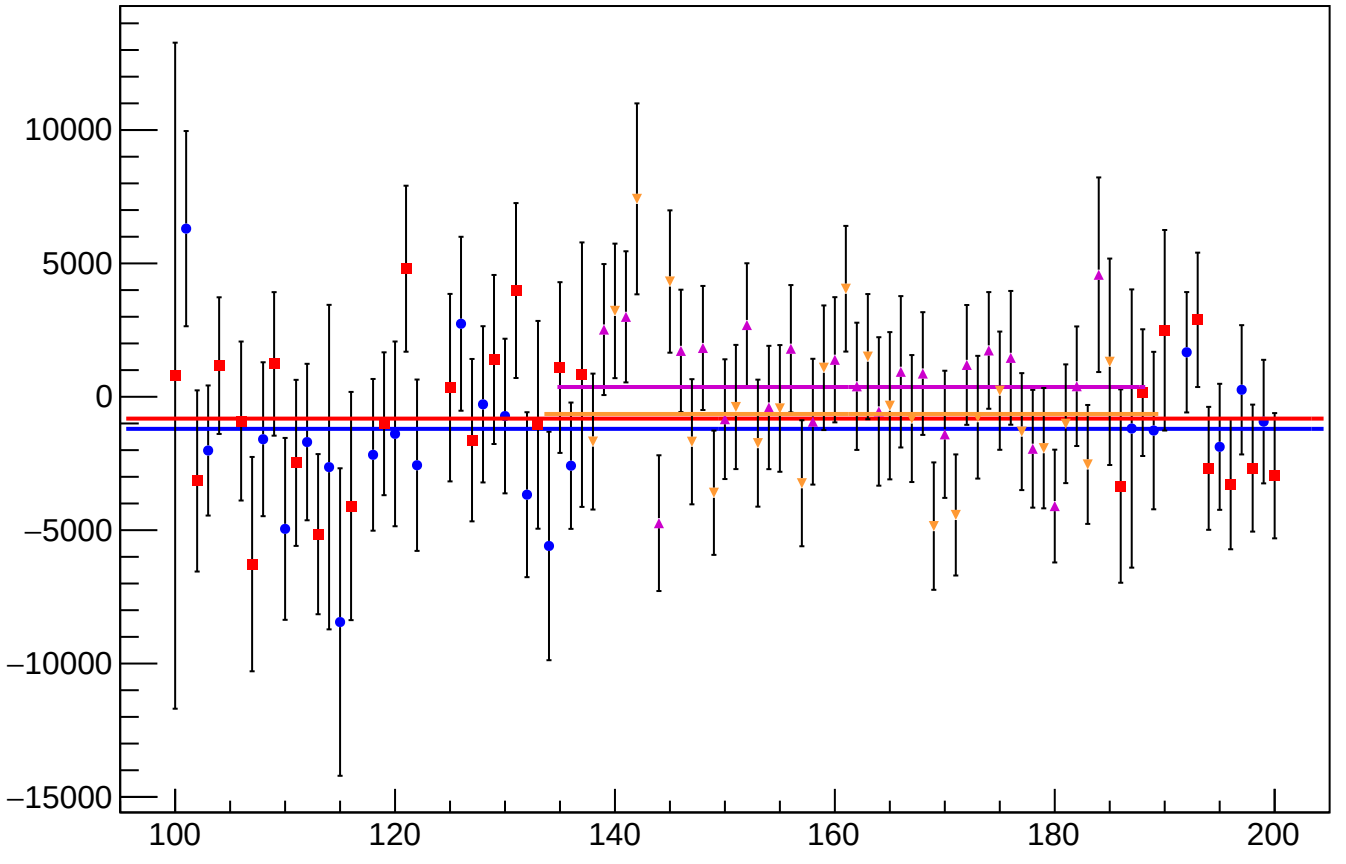
Right Out: 0.000+/-0.000 χ^2/NDF: 5318626.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11610010.7/45

All: 0.000+/-0.000 χ^2/NDF: 23999513.7/94

- sign 0.000+/-0.000 χ^2/NDF: 12363220.8/48



Right In: -1202.153+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -818.019+/-592.206 χ^2/NDF: 19.7/25

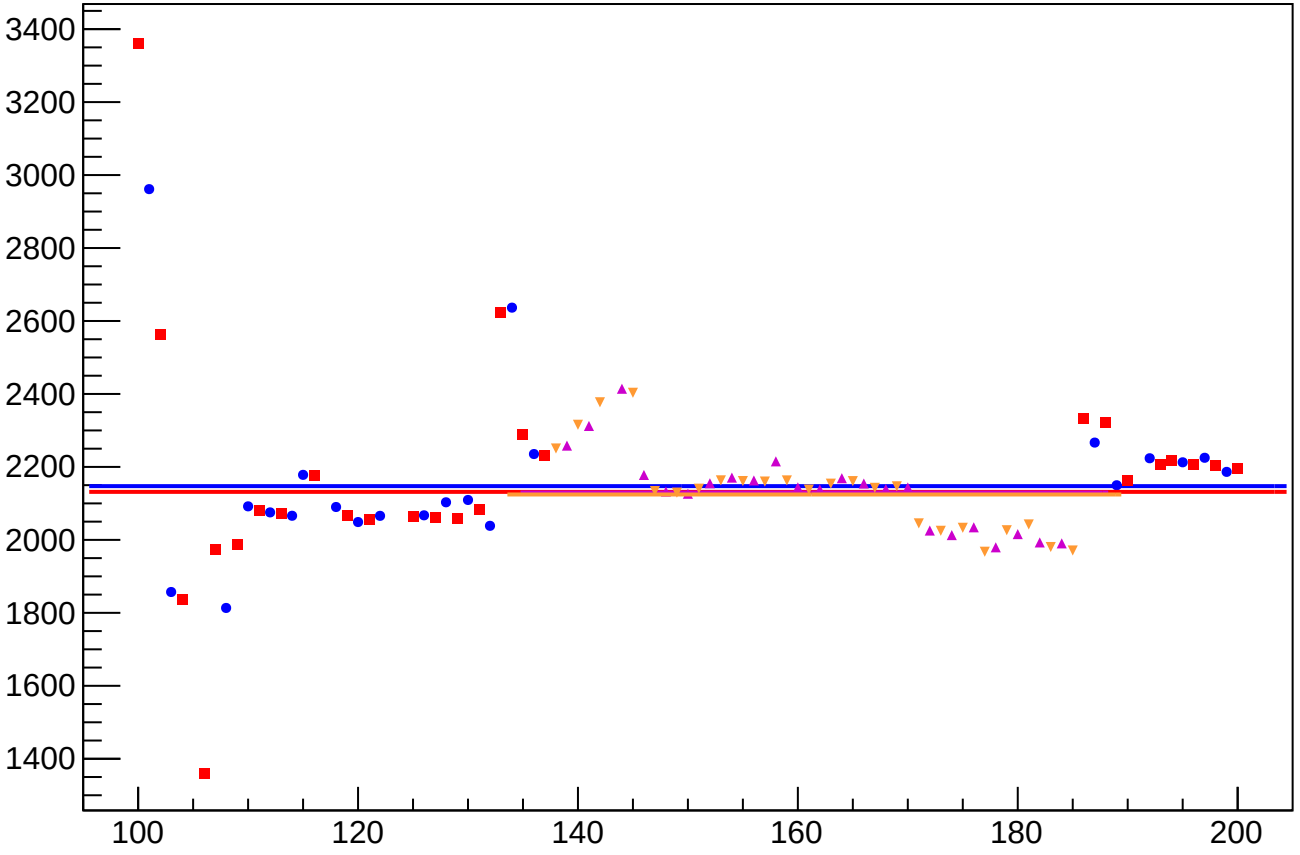
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -854.022+/-389.823 χ^2/NDF: 40.8/45

All: -480.697+/-272.511 χ^2/NDF: 82.0/94

- sign -123.890+/-381.101 χ^2/NDF: 39.4/48

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.0/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

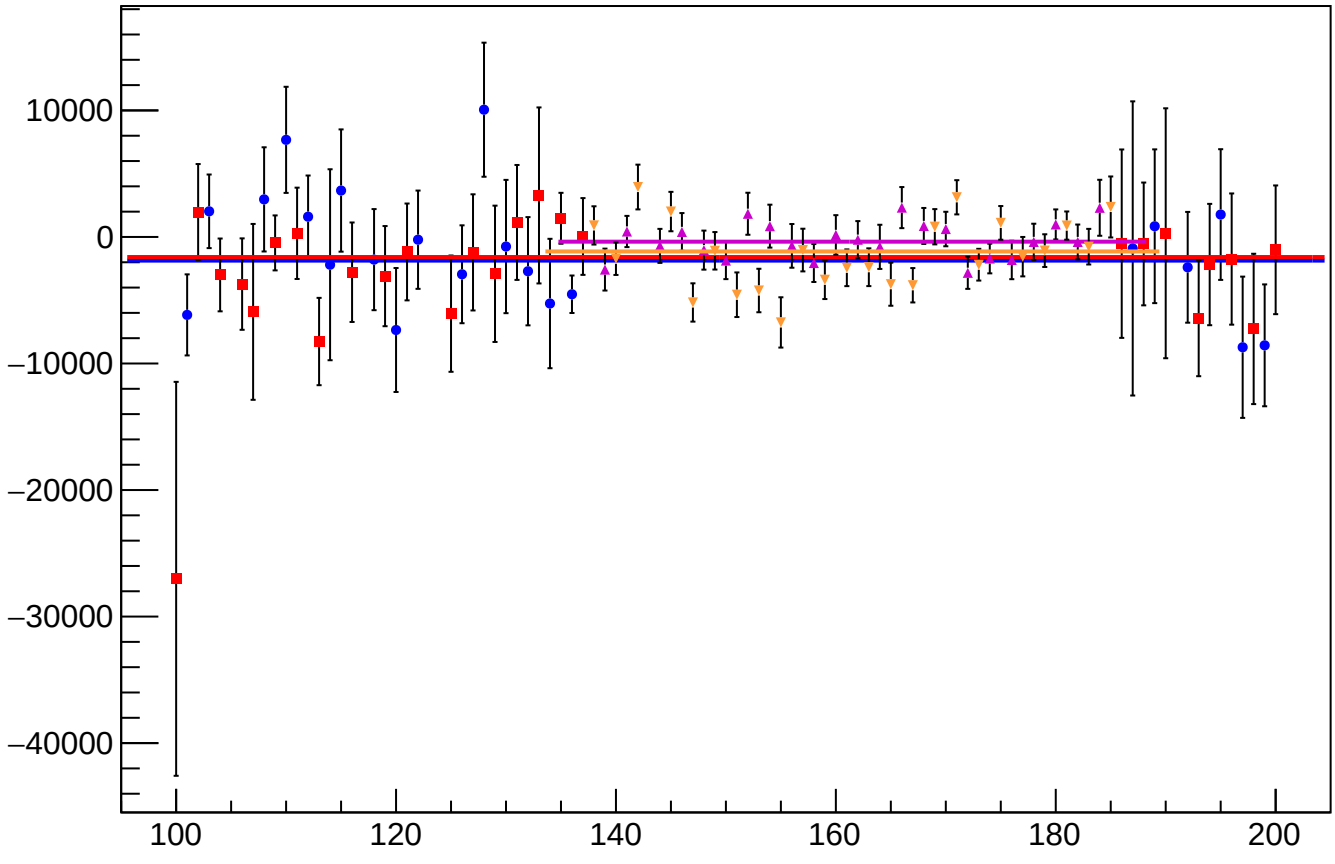
Right Out: 2131.619+/-0.419 χ^2/NDF: 294314.9/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.1/45

All: 2131.805+/-0.193 χ^2/NDF: 671326.7/94

- sign 2130.610+/-0.269 χ^2/NDF: 379679.3/48



Right In: -1867.842+/-804.805 χ^2/NDF: 27.1/21

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

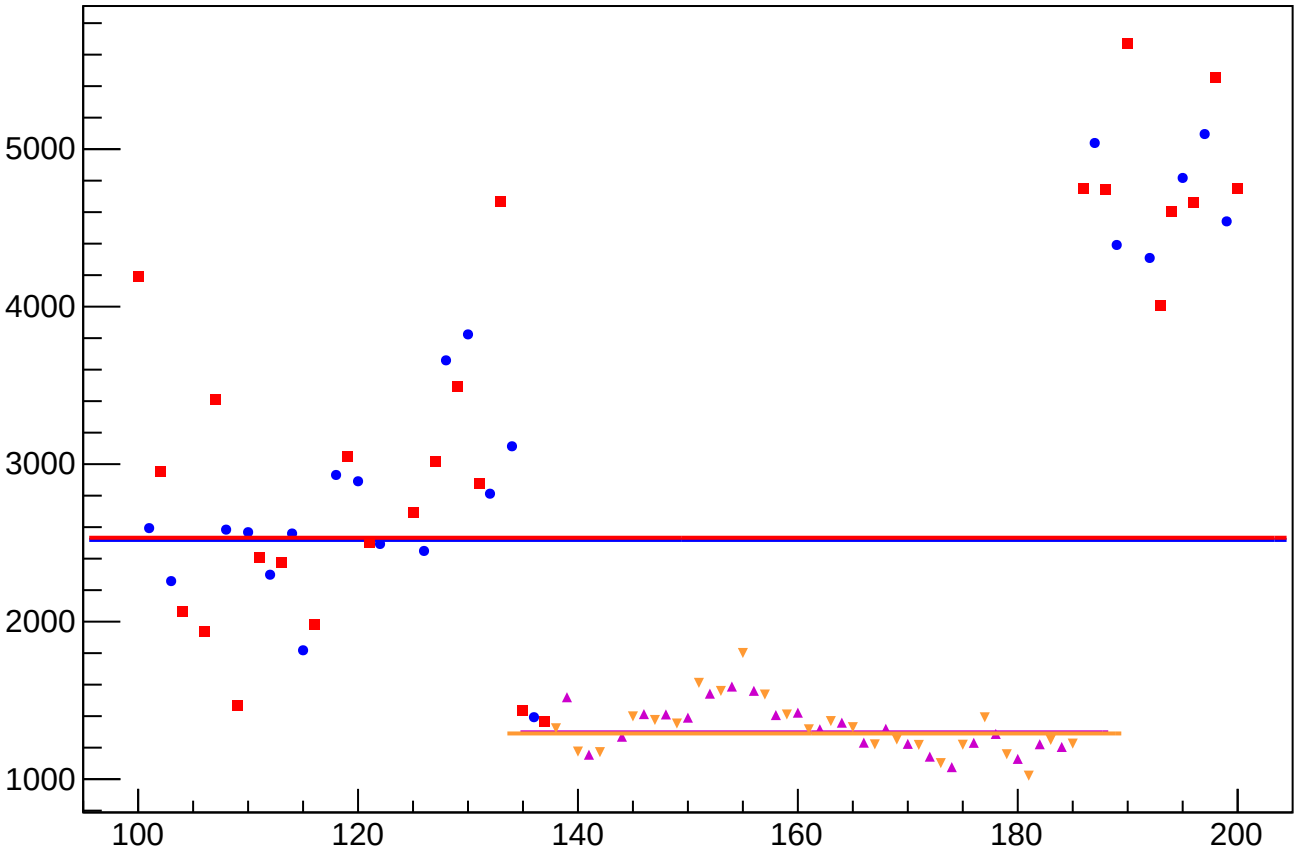
Right Out: -1587.293+/-771.052 χ^2/NDF: 15.7/25

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1234.312+/-283.149 χ^2/NDF: 95.3/45

All: -887.058+/-200.489 χ^2/NDF: 136.5/94

- sign -537.907+/-283.921 χ^2/NDF: 38.1/48



Right In: 2518.826+/-0.569 χ^2/NDF: 3304096.7/21

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2532.739+/-0.545 χ^2/NDF: 4499118.1/25

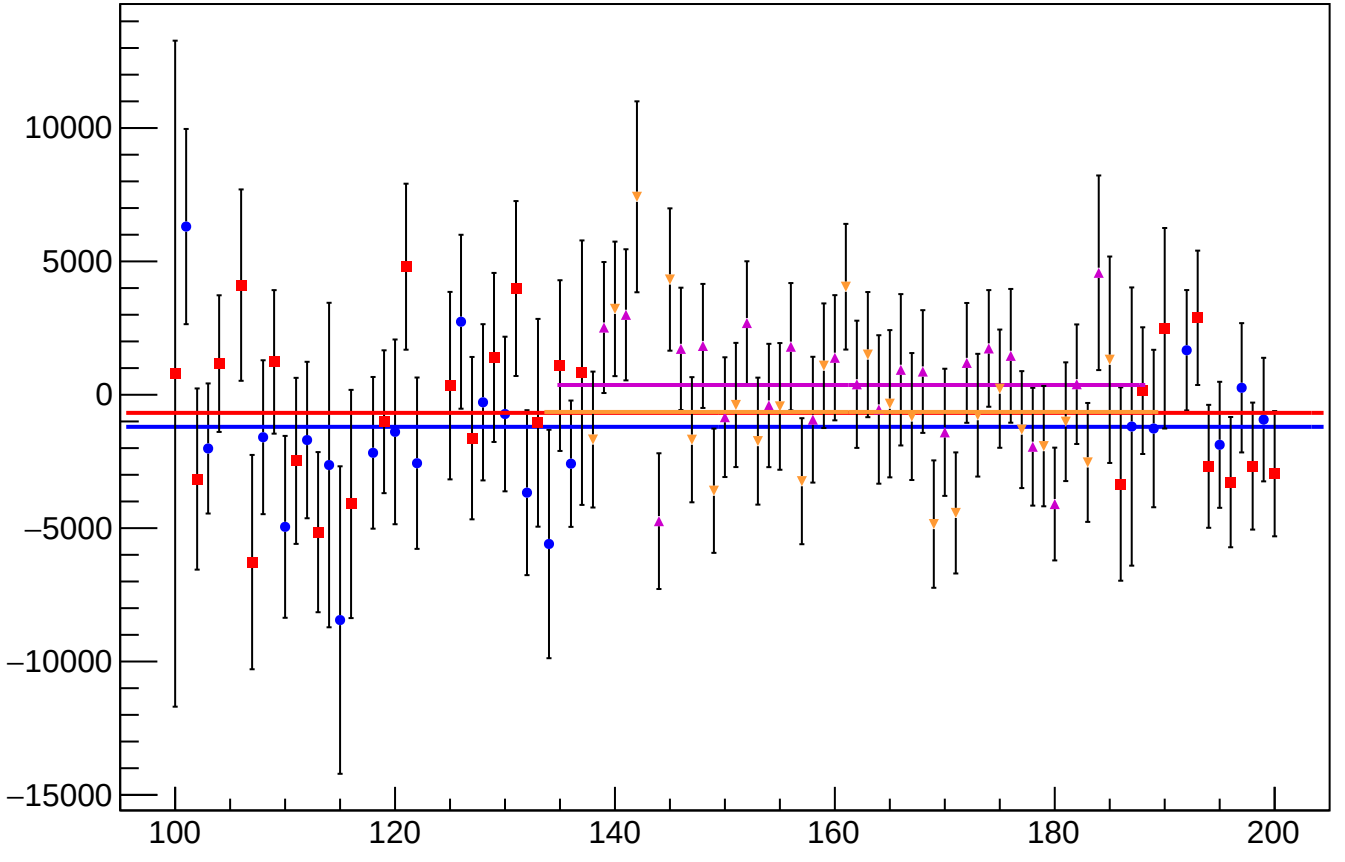
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1442.129+/-0.200 χ^2/NDF: 7957332.4/45

All: 1453.507+/-0.142 χ^2/NDF: 17334194.6/9

- sign 1464.946+/-0.201 χ^2/NDF: 9370386.1/48

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -678.648+/-595.864 χ^2/NDF: 21.6/25

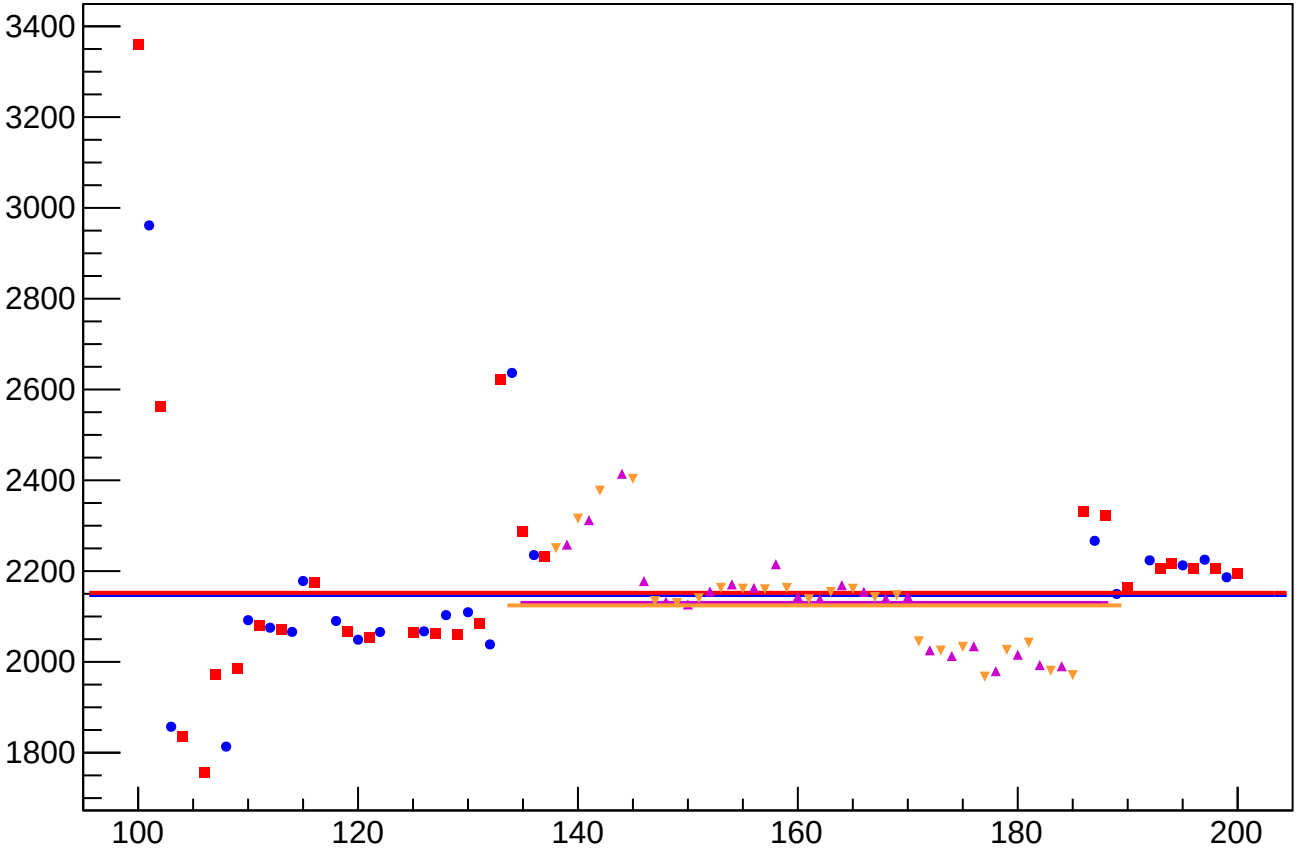
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -853.929+/-389.823 χ^2/NDF: 40.8/45

All: -450.581+/-272.865 χ^2/NDF: 83.6/94

- sign -63.117+/-382.071 χ^2/NDF: 40.7/48

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

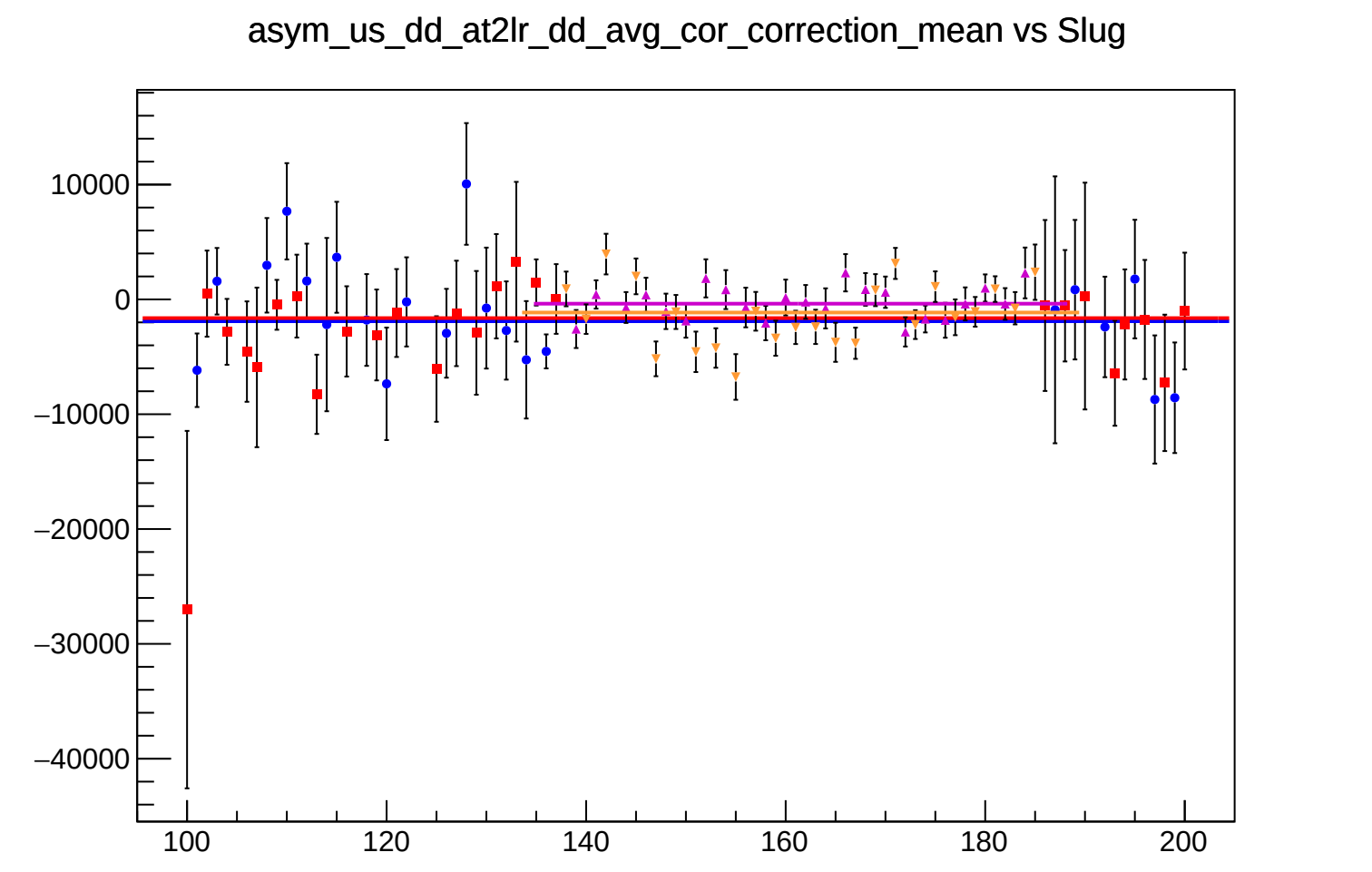
Right Out: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.4/45

All: 2136.095+/-0.193 χ^2/NDF: 558916.5/94

- sign 2139.015+/-0.270 χ^2/NDF: 267070.7/48



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

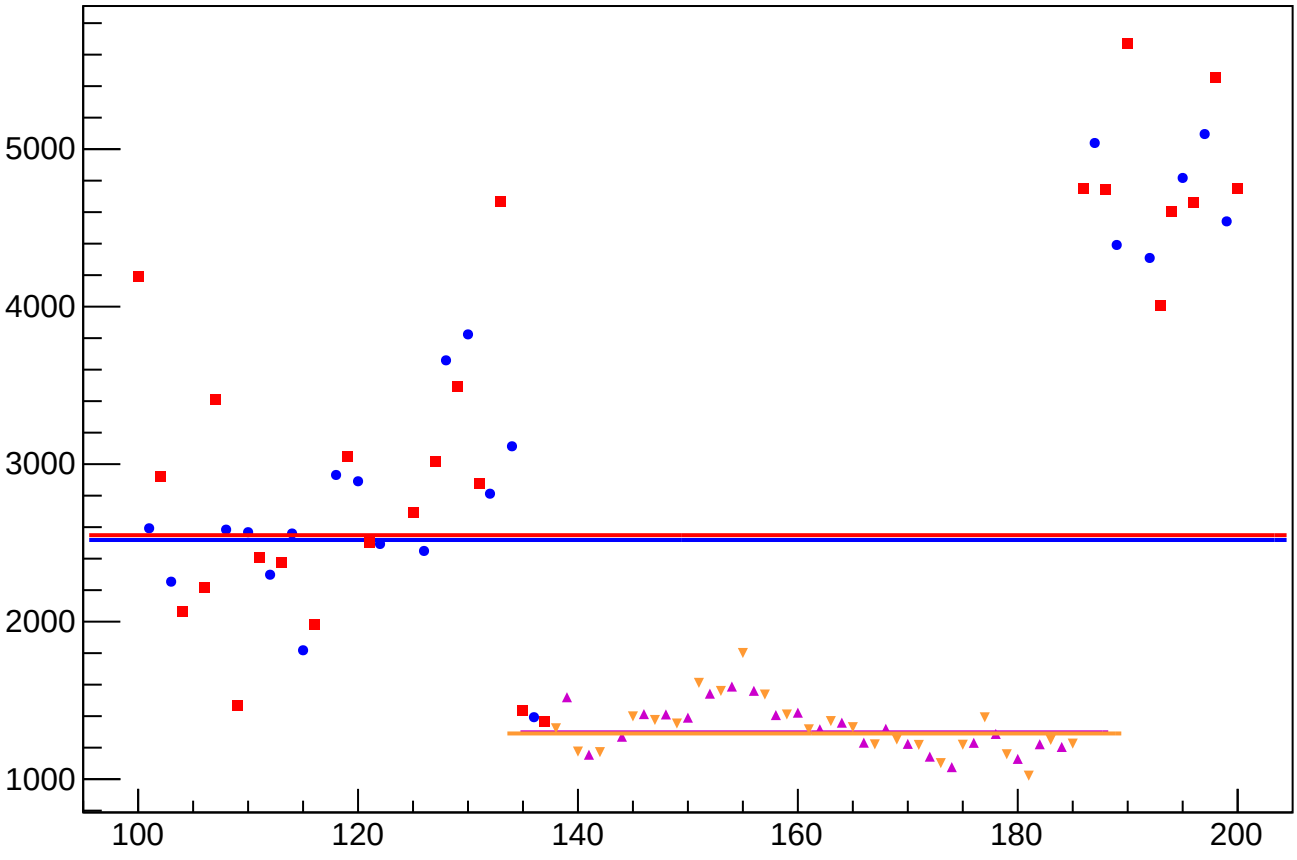
Right Out: -1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1238.409+/-283.140 χ^2/NDF: 95.0/45

All: -891.239+/-200.575 χ^2/NDF: 135.8/94

- sign -541.526+/-284.175 χ^2/NDF: 37.7/48



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

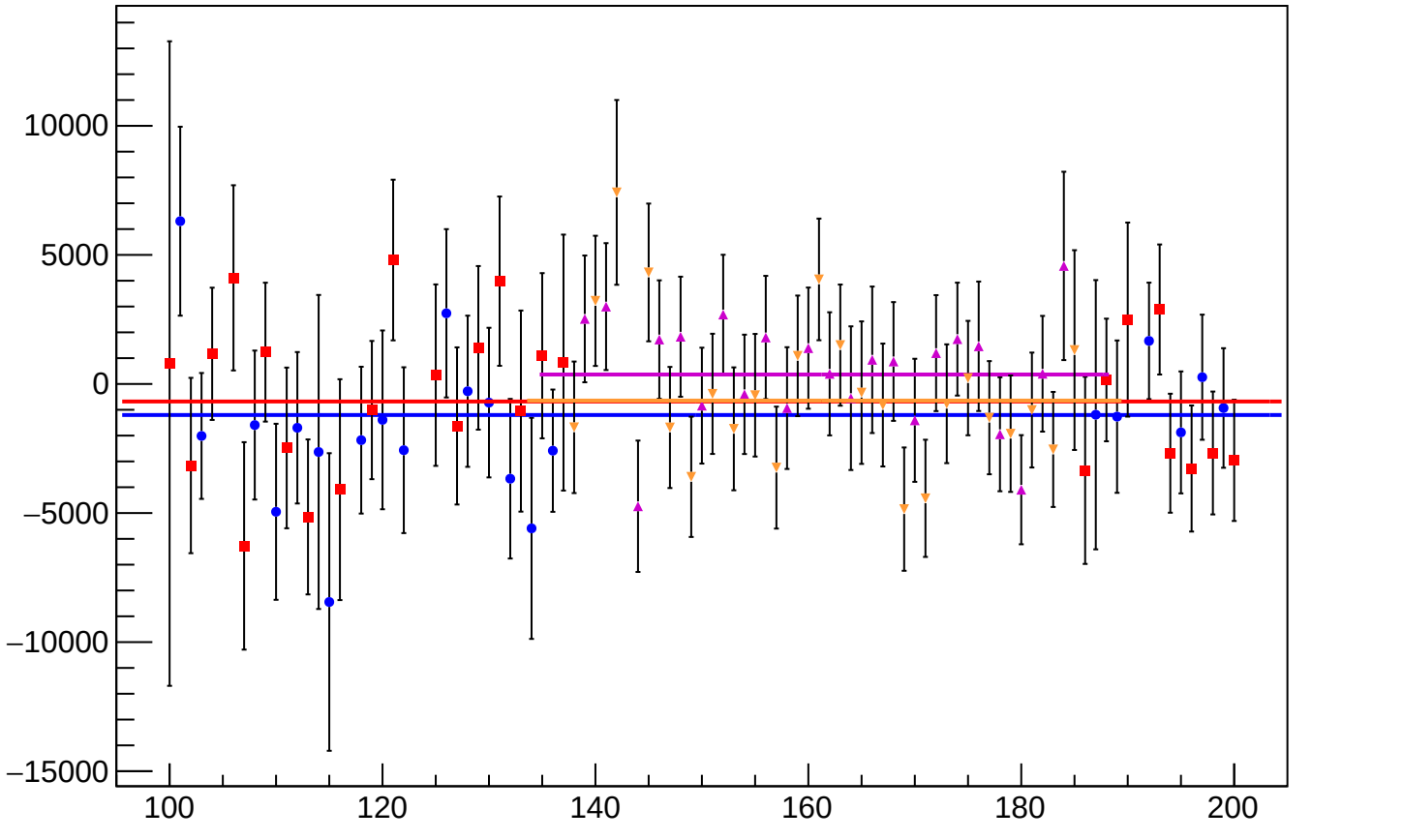
Right Out: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1442.161+/-0.200 χ^2/NDF: 7956617.3/45

All: 1453.643+/-0.142 χ^2/NDF: 17352321.6/9

- sign 1465.210+/-0.201 χ^2/NDF: 9389101.3/48



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -678.648+/-595.864 χ^2/NDF: 21.6/25

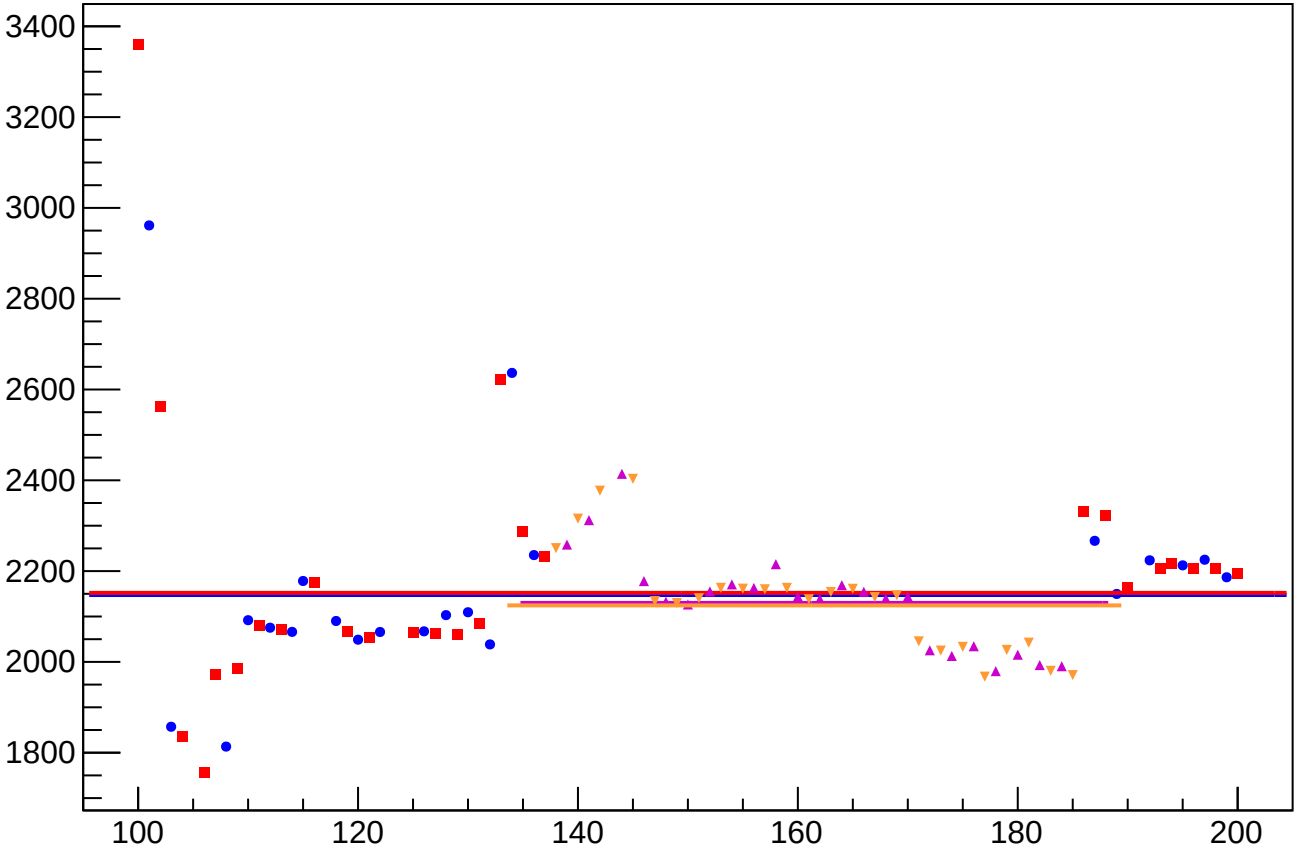
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -853.929+/-389.823 χ^2/NDF: 40.8/45

All: -450.581+/-272.865 χ^2/NDF: 83.6/94

\- sign -63.117+/-382.071 χ^2/NDF: 40.7/48

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

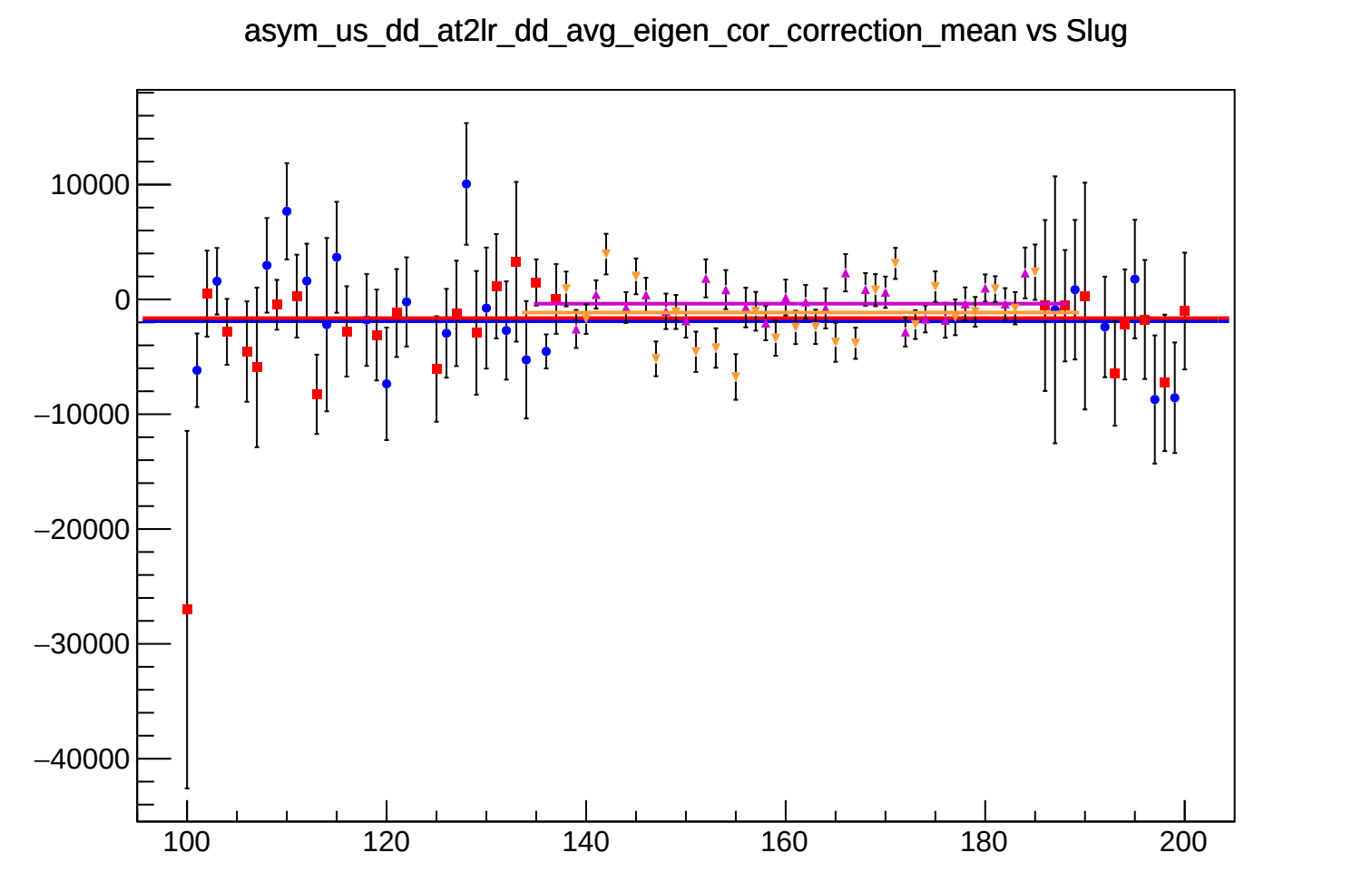
Right Out: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.4/45

All: 2136.095+/-0.193 χ^2/NDF: 558916.5/94

- sign 2139.015+/-0.270 χ^2/NDF: 267070.7/48



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

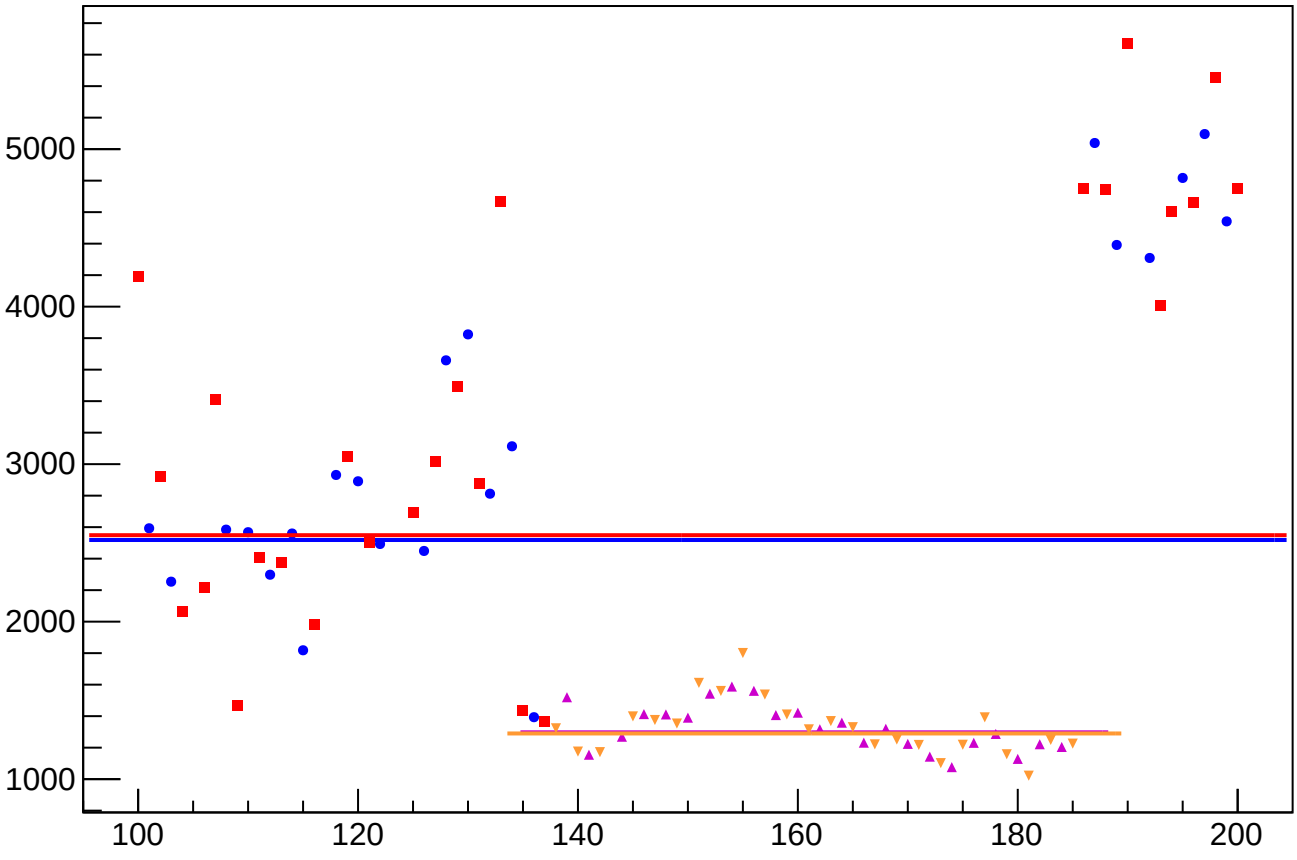
Right Out: -1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1238.409+/-283.140 χ^2/NDF: 95.0/45

All: -891.239+/-200.575 χ^2/NDF: 135.8/94

- sign -541.526+/-284.175 χ^2/NDF: 37.7/48



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

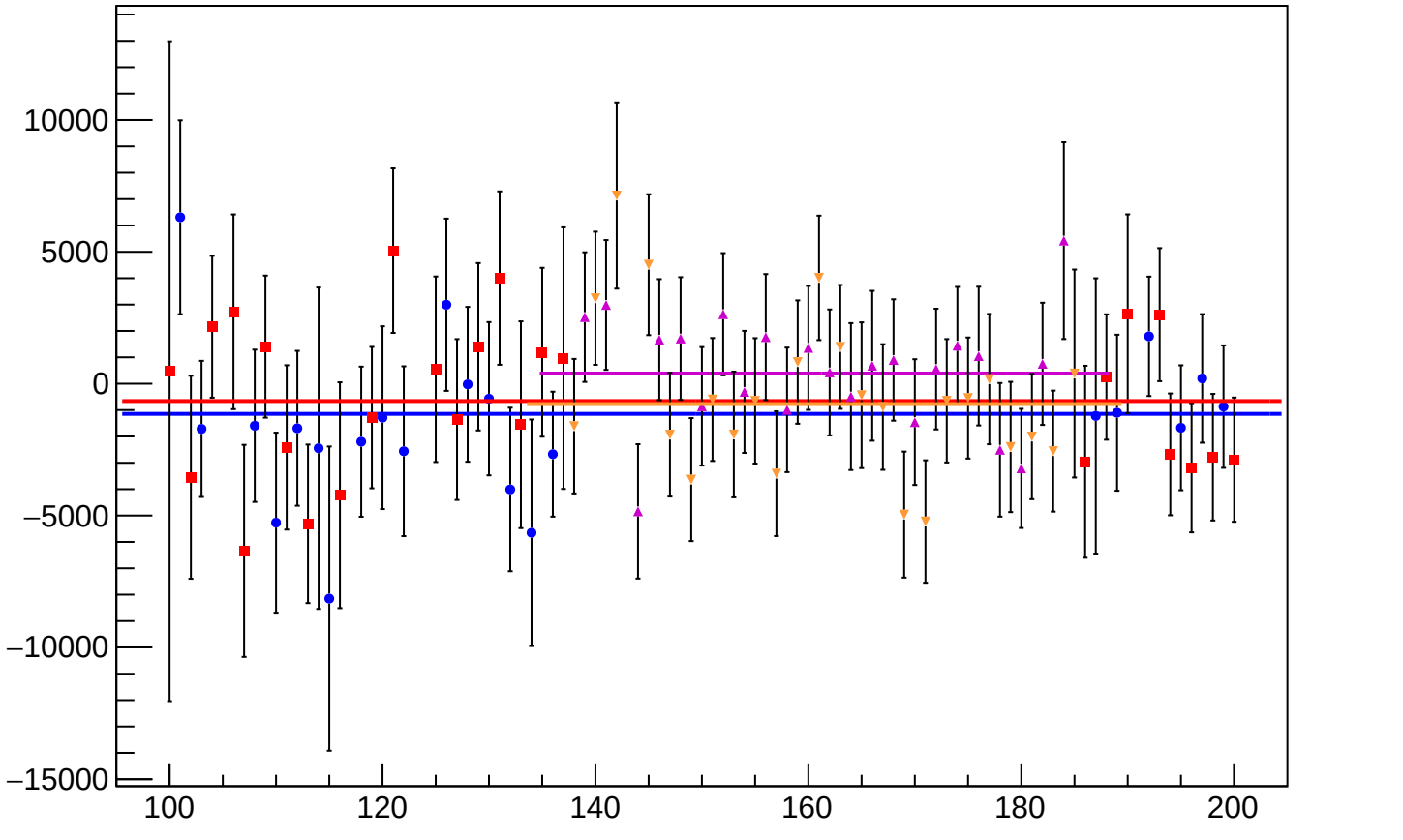
Right Out: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1442.161+/-0.200 χ^2/NDF: 7956617.3/45

All: 1453.643+/-0.142 χ^2/NDF: 17352321.6/9

- sign 1465.210+/-0.201 χ^2/NDF: 9389101.3/48



Right In: -1144.506+/-639.048 χ^2/NDF: 13.7/21

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -658.164+/-601.190 χ^2/NDF: 21.5/25

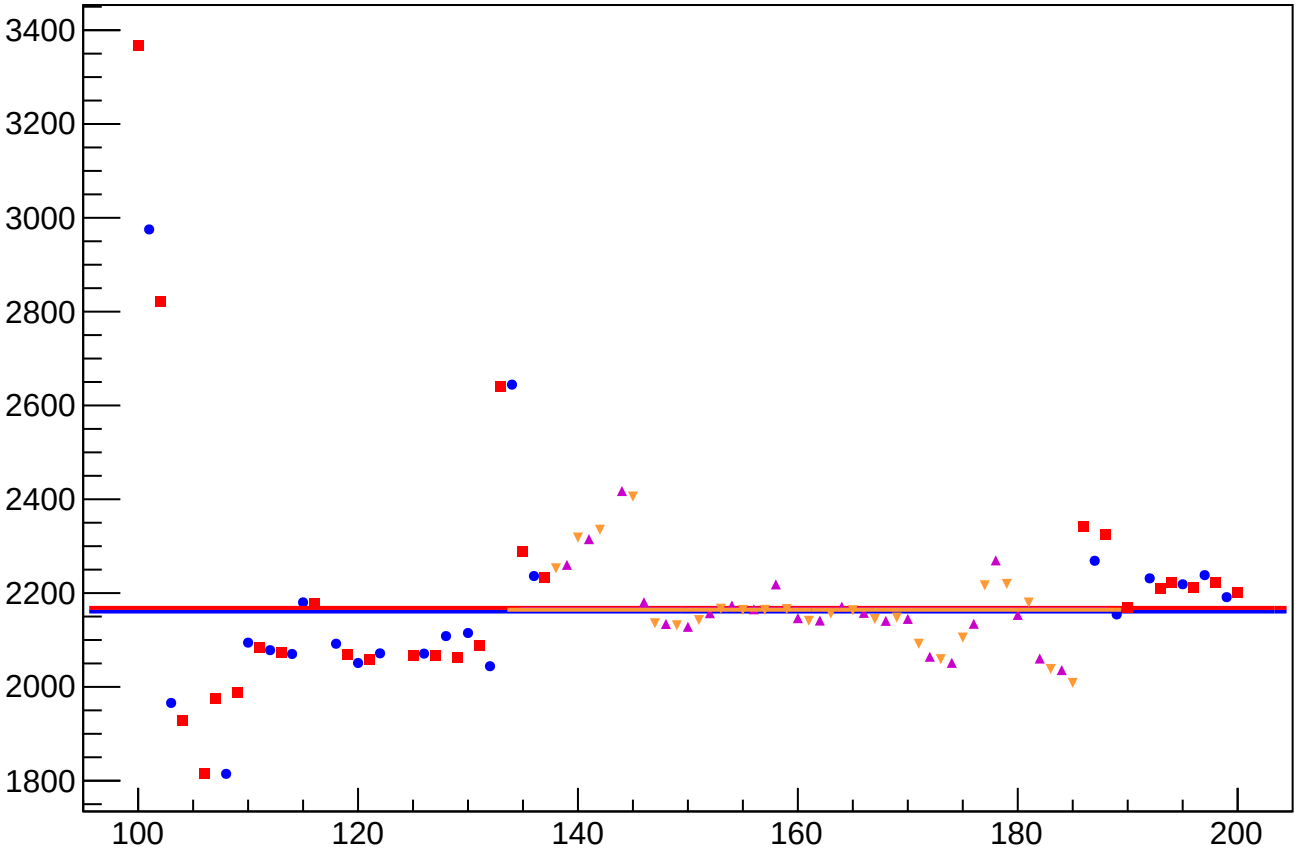
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -915.410+/-395.161 χ^2/NDF: 42.5/45

All: -472.545+/-276.546 χ^2/NDF: 83.9/94

- sign -47.449+/-387.153 χ^2/NDF: 38.9/48

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.689+/-0.452 χ^2/NDF: 185054.7/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

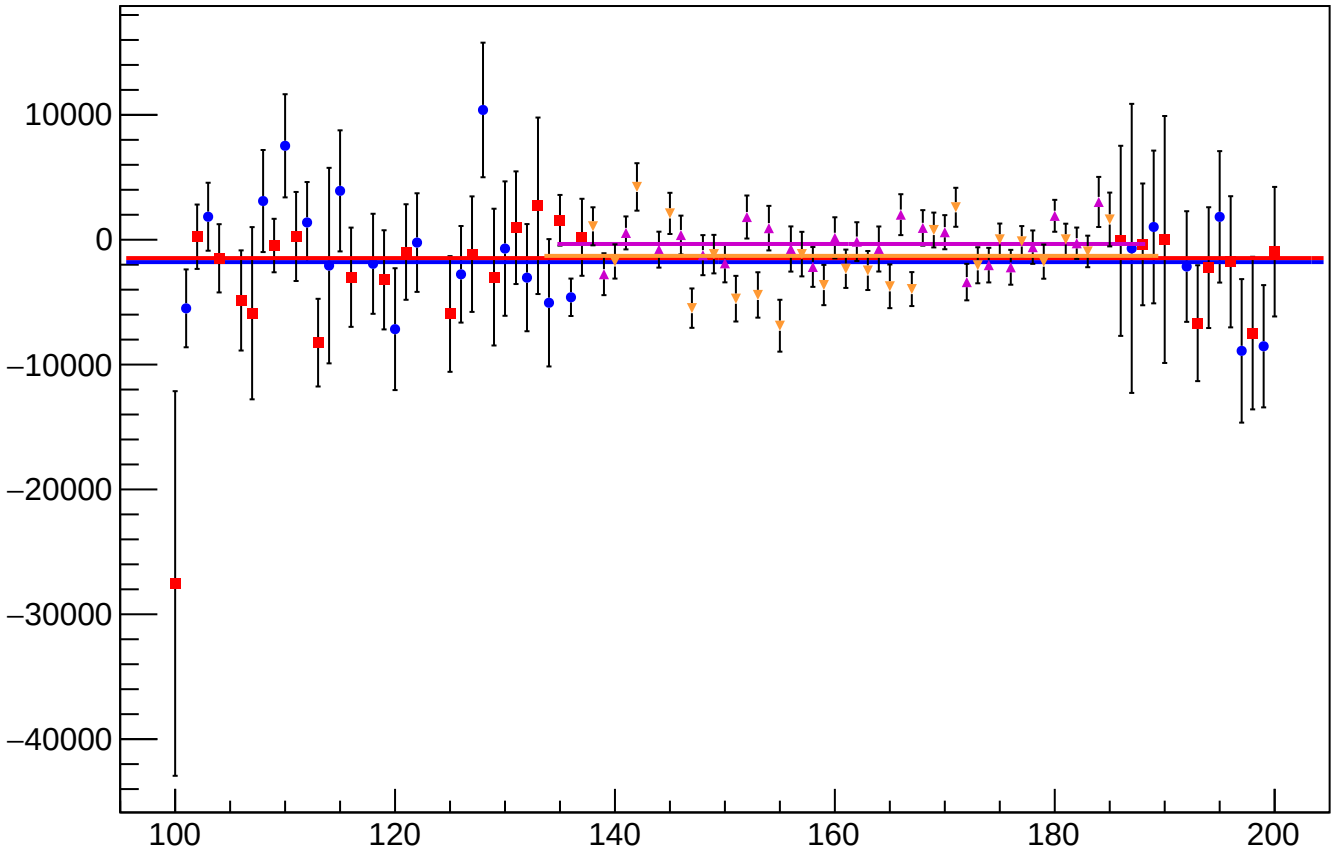
Right Out: 2168.469+/-0.425 χ^2/NDF: 188527.1/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2163.063+/-0.279 χ^2/NDF: 235775.6/45

All: 2164.977+/-0.196 χ^2/NDF: 476545.0/94

- sign 2166.815+/-0.274 χ^2/NDF: 240677.4/48



Right In: -1792.857+/-804.252 χ^2/NDF: 26.8/21

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

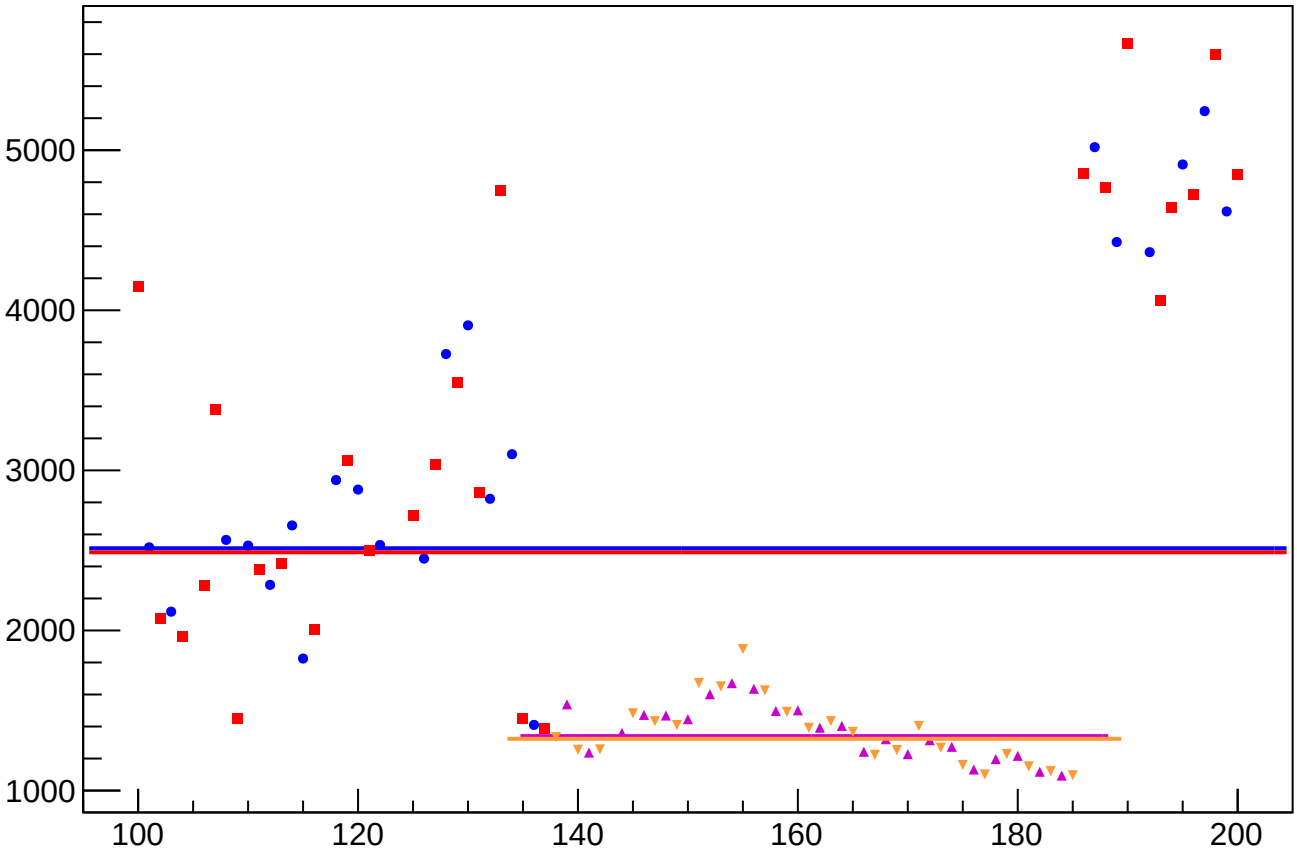
Right Out: -1470.864+/-756.600 χ^2/NDF: 15.5/25

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1358.507+/-289.761 χ^2/NDF: 85.8/45

All: -935.752+/-205.416 χ^2/NDF: 132.3/94

- sign -508.646+/-291.249 χ^2/NDF: 42.2/48



Right In: 2513.495+/-0.569 χ^2/NDF: 3357840.2/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

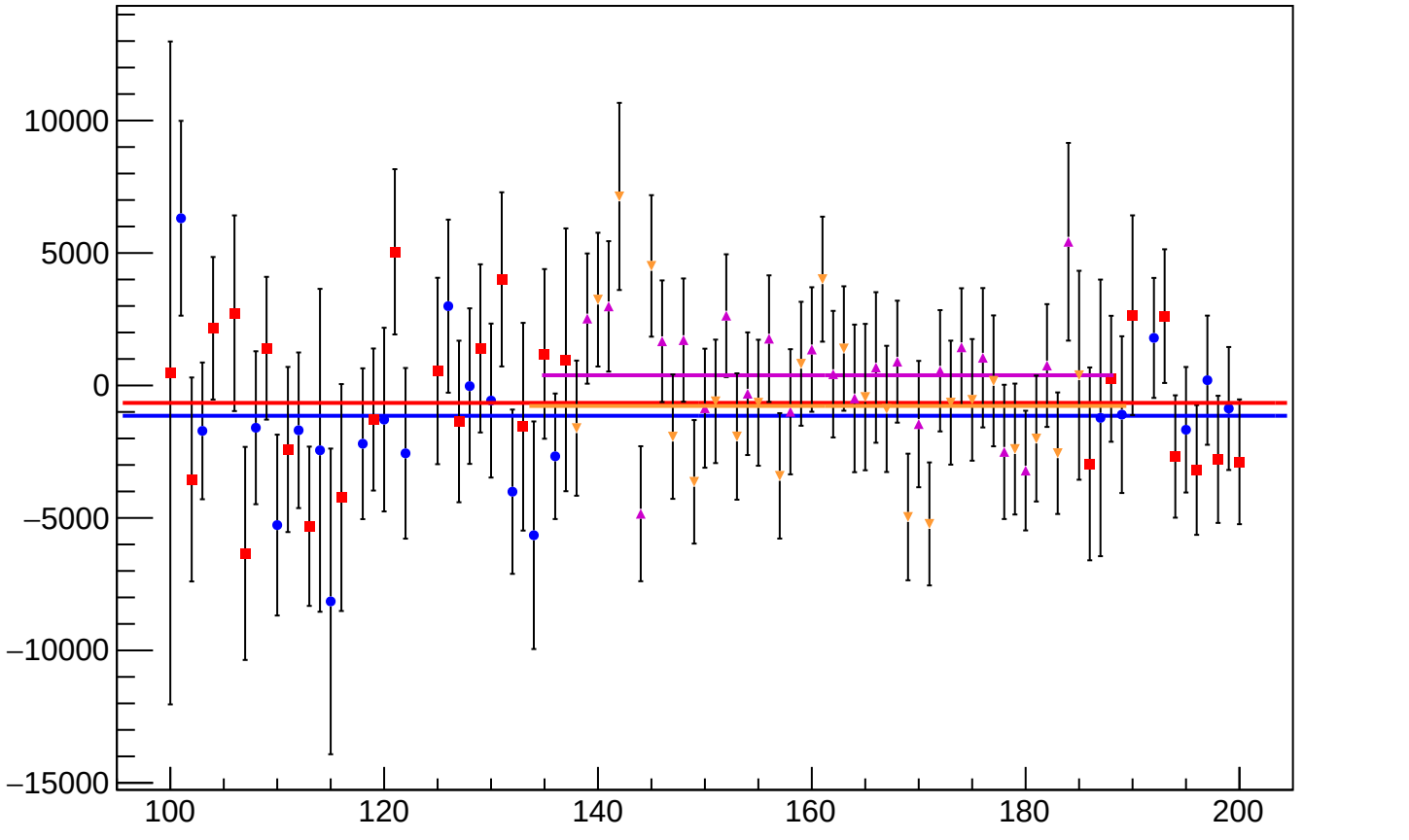
Right Out: 2488.399+/-0.535 χ^2/NDF: 4592520.4/25

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1477.884+/-0.205 χ^2/NDF: 7832559.3/45

All: 1493.981+/-0.145 χ^2/NDF: 16856085.8/9

- sign 1510.243+/-0.206 χ^2/NDF: 9011118.6/48



Right In: -1144.508+/-639.048 χ^2/NDF: 13.7/21

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -658.161+/-601.190 χ^2/NDF: 21.5/25

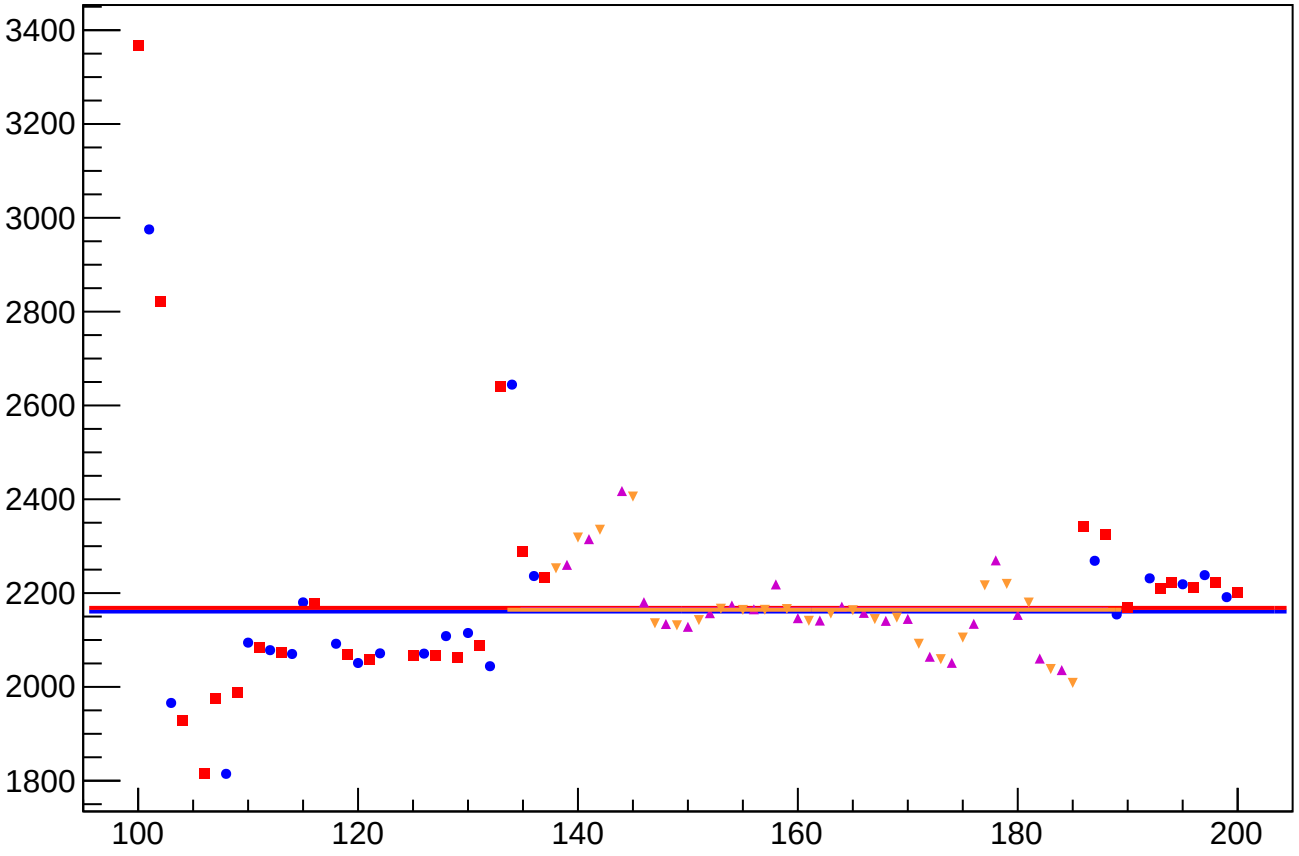
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -915.409+/-395.161 χ^2/NDF: 42.5/45

All: -472.544+/-276.546 χ^2/NDF: 83.9/94

- sign -47.448+/-387.153 χ^2/NDF: 38.9/48

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.688+/-0.452 χ^2/NDF: 185054.6/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

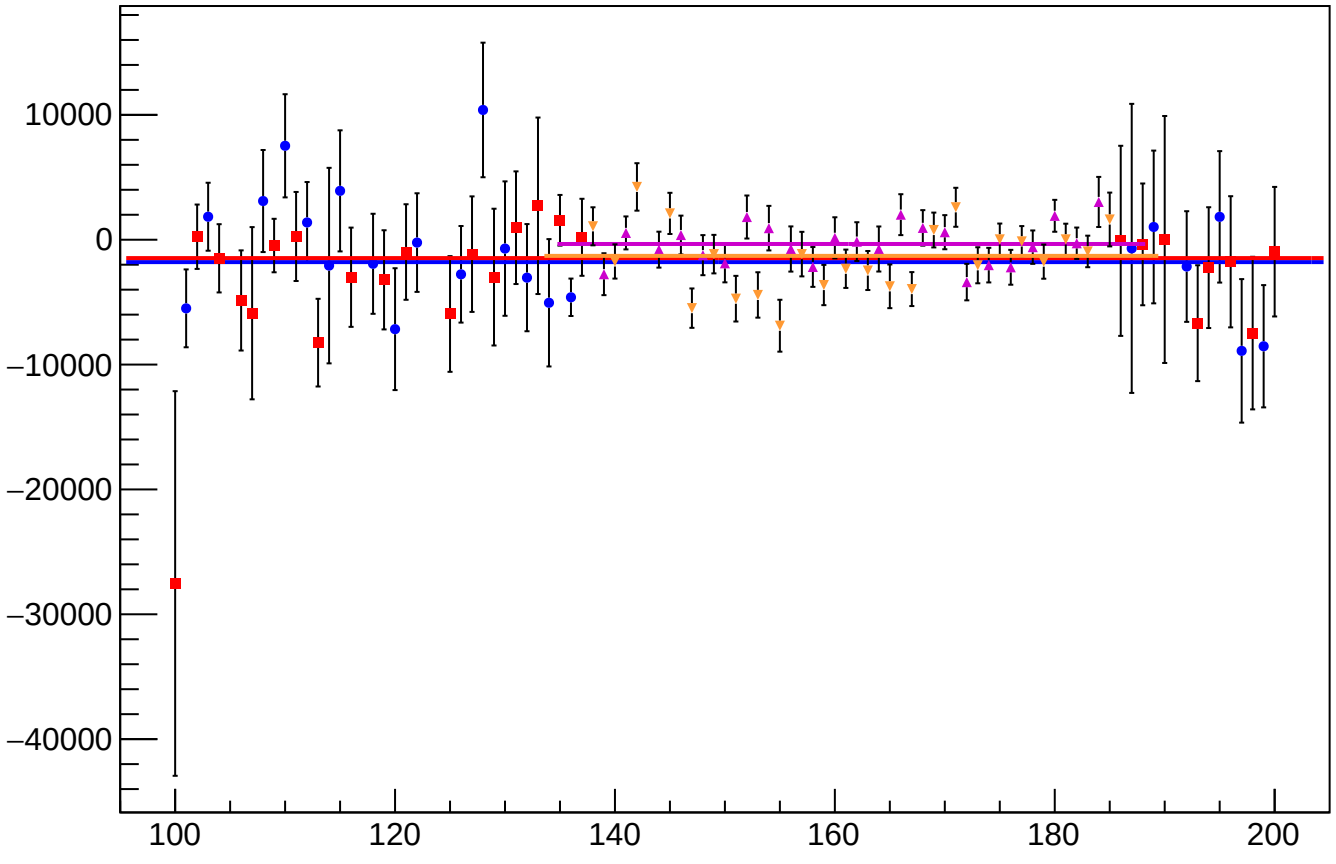
Right Out: 2168.469+/-0.425 χ^2/NDF: 188527.0/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2163.062+/-0.279 χ^2/NDF: 235775.6/45

All: 2164.977+/-0.196 χ^2/NDF: 476544.9/94

- sign 2166.815+/-0.274 χ^2/NDF: 240677.3/48



Right In: -1792.846+/-804.254 χ^2/NDF: 26.8/21

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

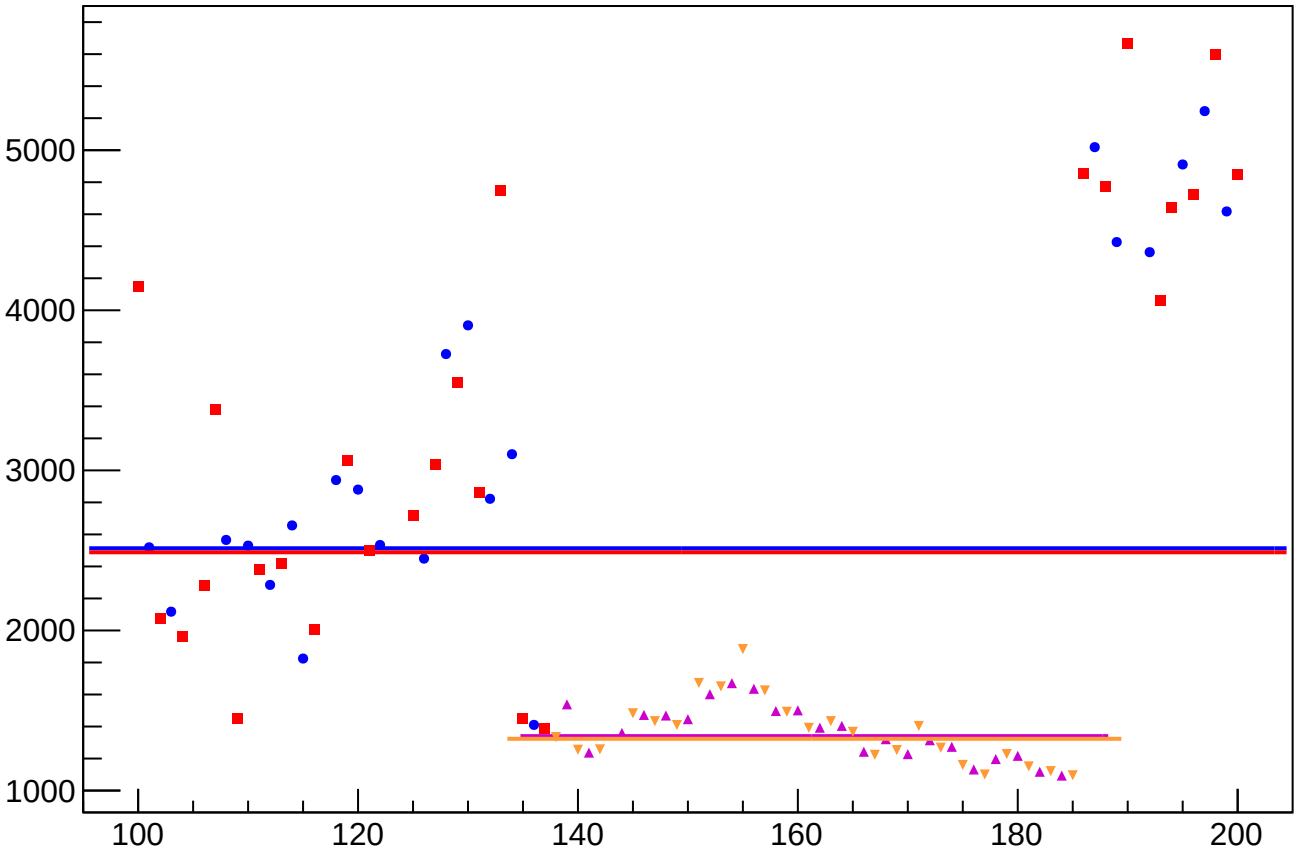
Right Out: -1470.880+/-756.603 χ^2/NDF: 15.5/25

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1358.507+/-289.761 χ^2/NDF: 85.8/45

All: -935.751+/-205.416 χ^2/NDF: 132.3/94

- sign -508.644+/-291.248 χ^2/NDF: 42.2/48



Right In: 2513.507+/-0.569 χ^2/NDF: 3357758.3/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2488.412+/-0.535 χ^2/NDF: 4592442.9/25

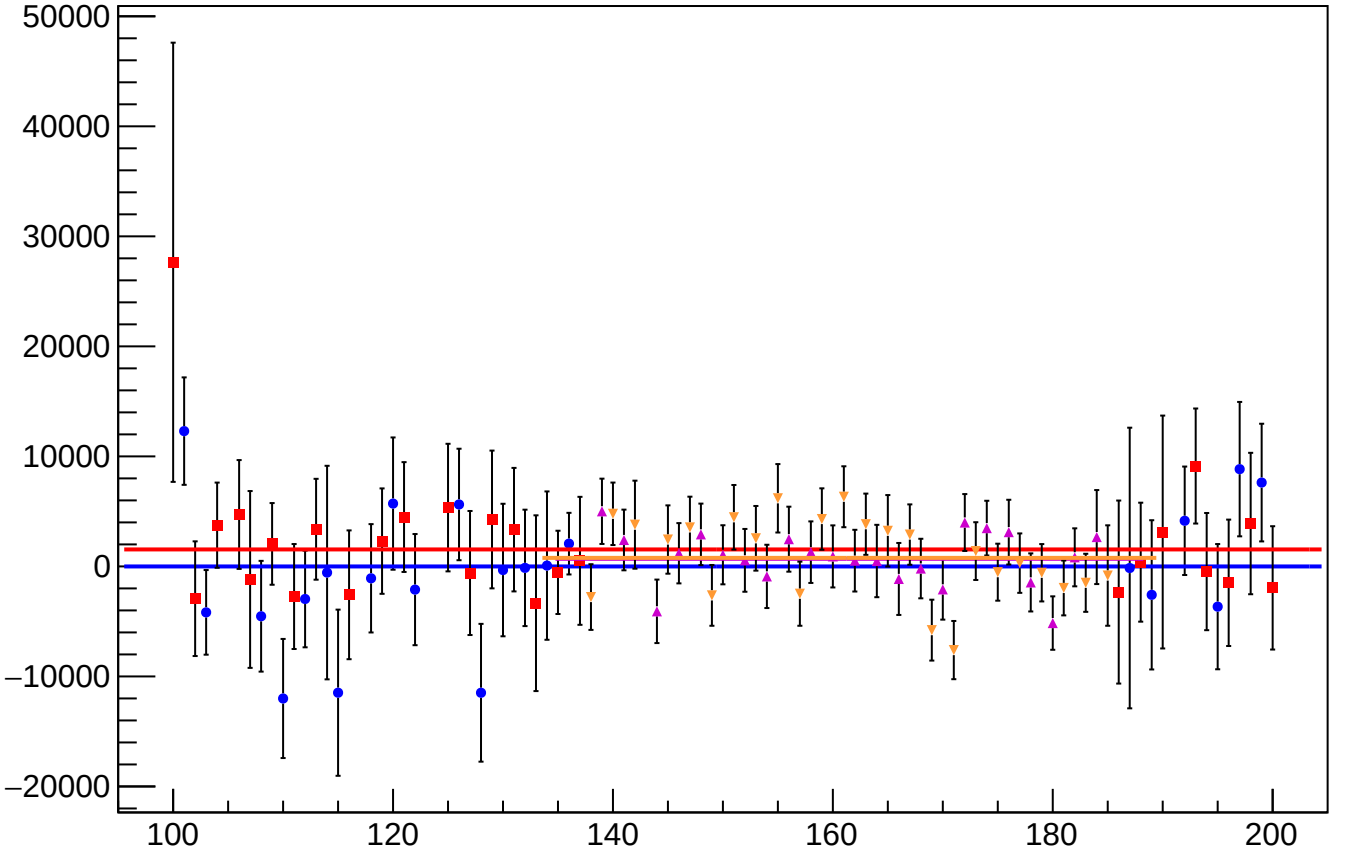
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1477.884+/-0.205 χ^2/NDF: 7832538.4/45

All: 1493.981+/-0.145 χ^2/NDF: 16856072.4/9

- sign 1510.243+/-0.206 χ^2/NDF: 9011127.1/48

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -3.425+/-1110.915 χ^2/NDF: 27.7/21

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1543.003+/-1060.717 χ^2/NDF: 10.1/25

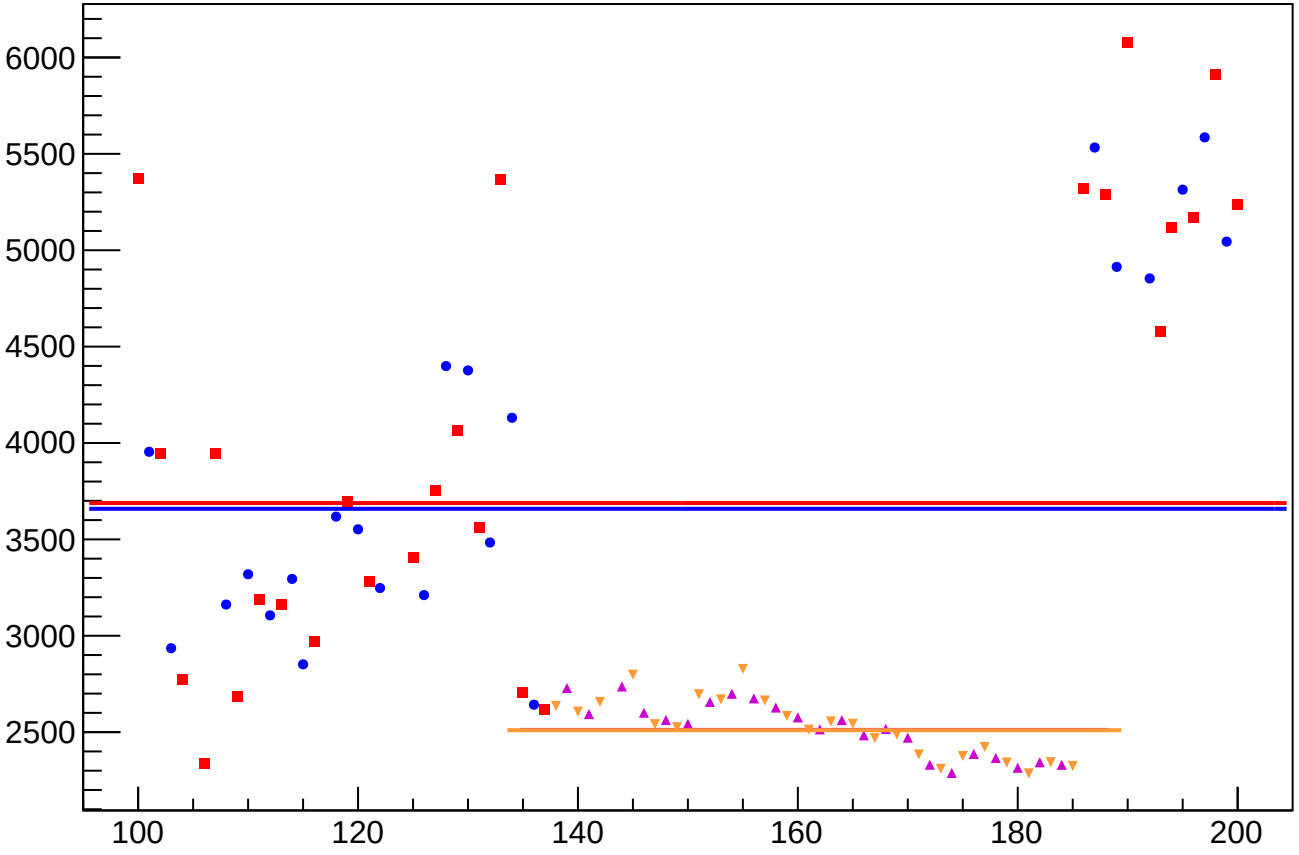
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 606.430+/-516.711 χ^2/NDF: 67.4/45

All: 749.091+/-364.368 χ^2/NDF: 96.5/94

- sign 890.197+/-513.888 χ^2/NDF: 28.9/48

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3658.598+/-0.786 χ^2/NDF: 1256161.1/21

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

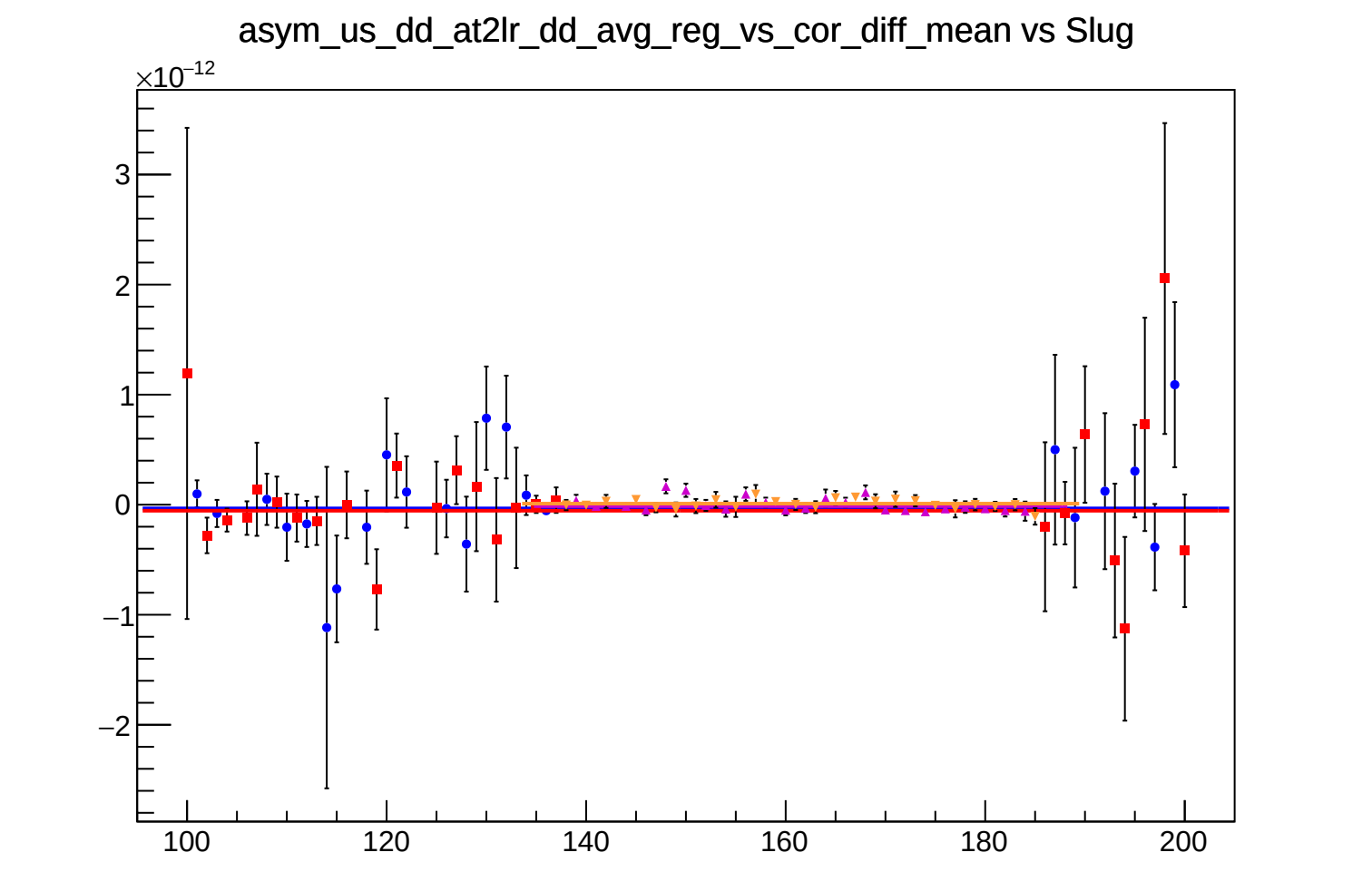
Right Out: 3688.474+/-0.750 χ^2/NDF: 1905434.8/25

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2758.541+/-0.365 χ^2/NDF: 3060051.1/45

All: 2773.272+/-0.258 χ^2/NDF: 6966346.0/94

- sign 2787.843+/-0.363 χ^2/NDF: 3903061.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

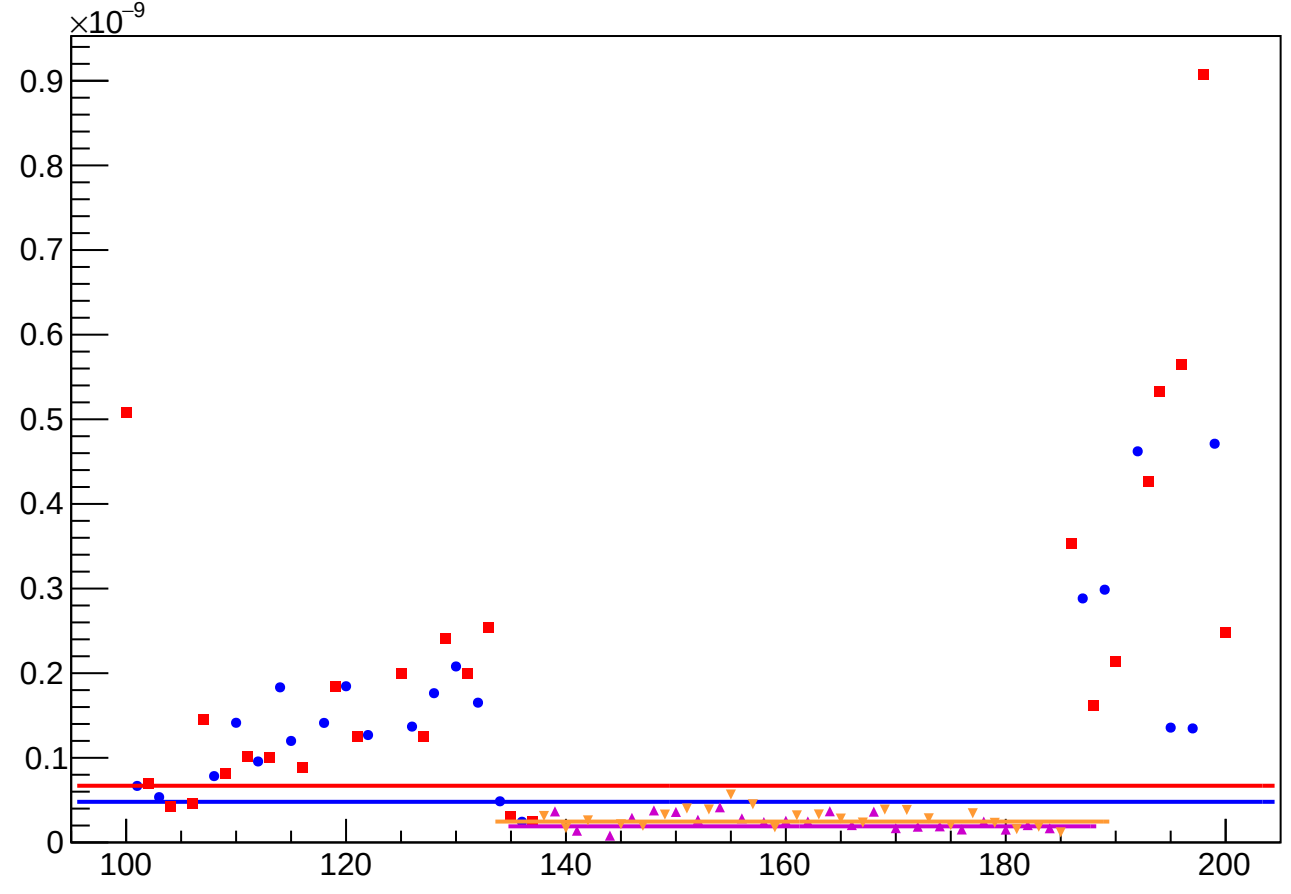
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/25

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/45

All: -0.000+/-0.000 χ^2/NDF: 84.9/94

- sign -0.000+/-0.000 χ^2/NDF: 51.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4228886.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

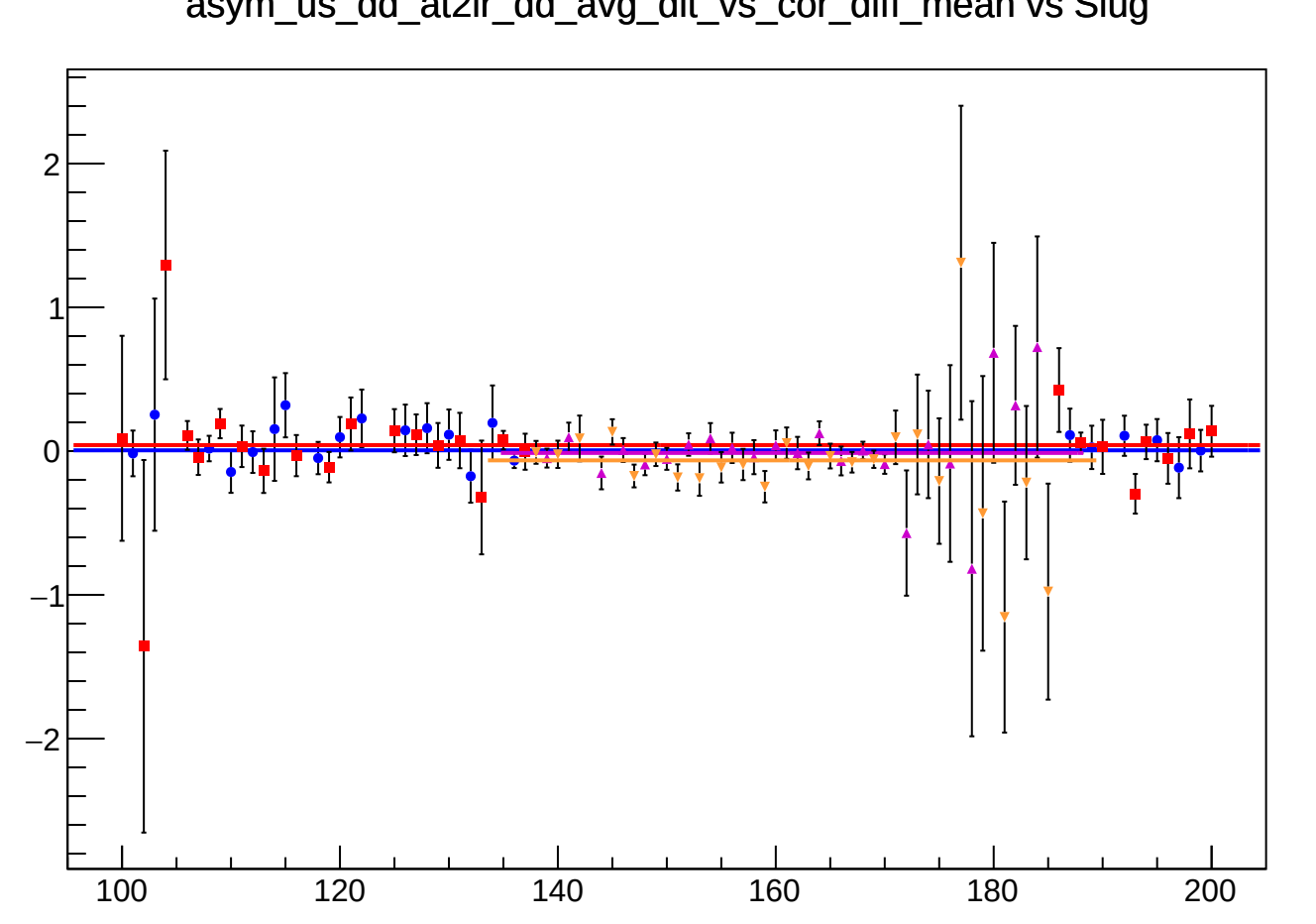
Right Out: 0.000+/-0.000 χ^2/NDF: 5434790.0/25

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6510737.5/45

All: 0.000+/-0.000 χ^2/NDF: 16992602.9/94

- sign 0.000+/-0.000 χ^2/NDF: 10090219.1/48



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

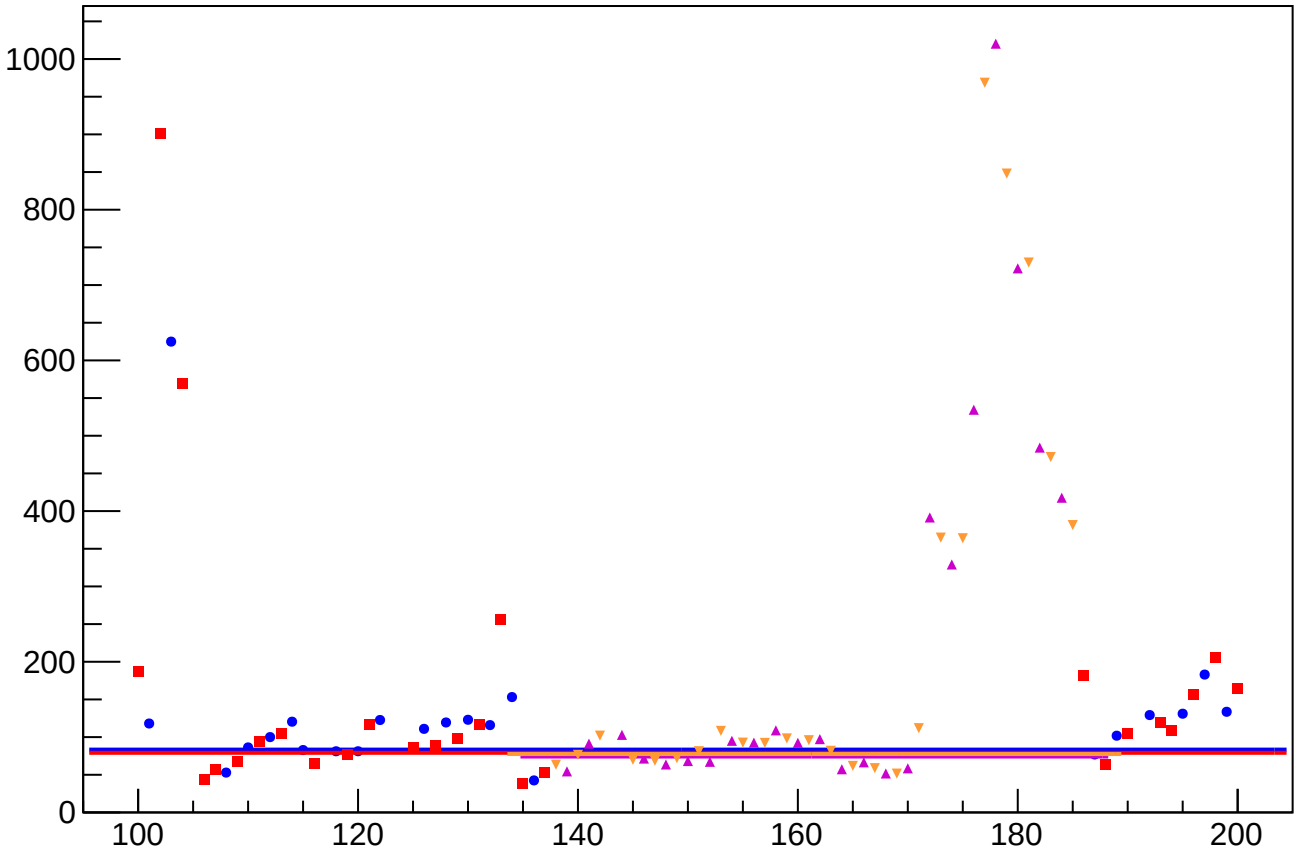
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

\+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.013+/-0.012 χ^2/NDF: 81.0/94

\- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

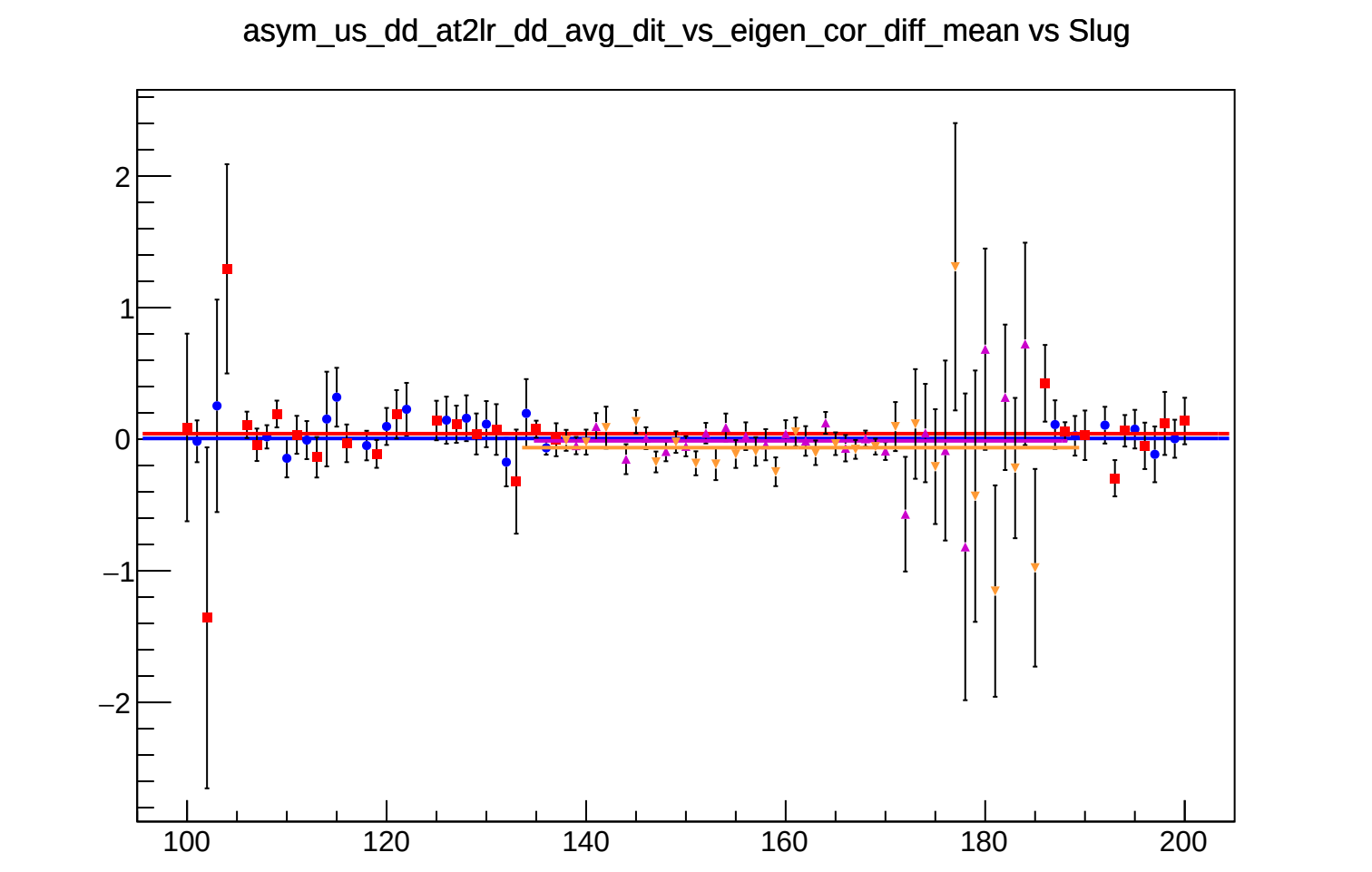
Right Out: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 79.716+/-0.012 χ^2/NDF: 12580395.0/45

All: 77.825+/-0.008 χ^2/NDF: 26805333.9/94

\- sign 76.155+/-0.012 χ^2/NDF: 14181165.5/48



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

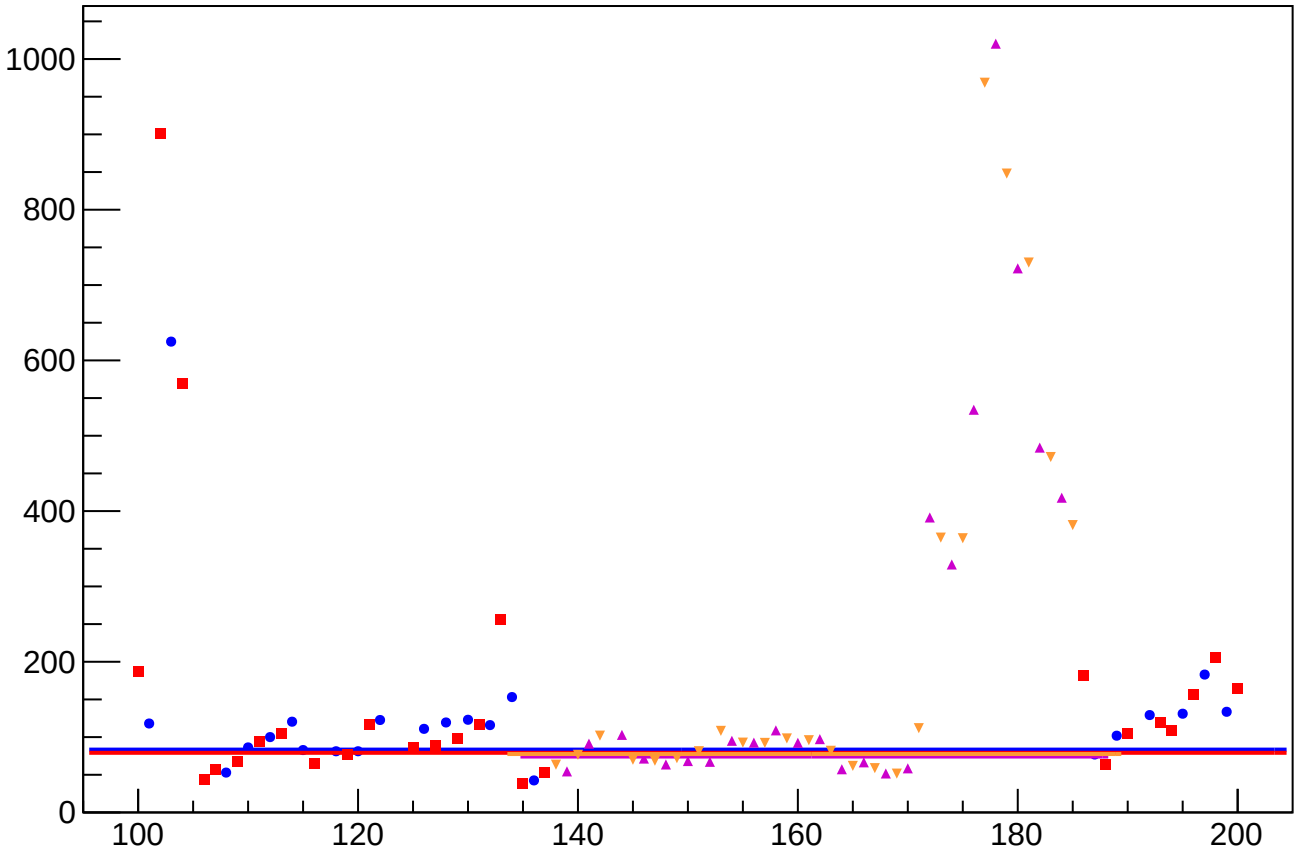
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

\+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.013+/-0.012 χ^2/NDF: 81.0/94

\- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

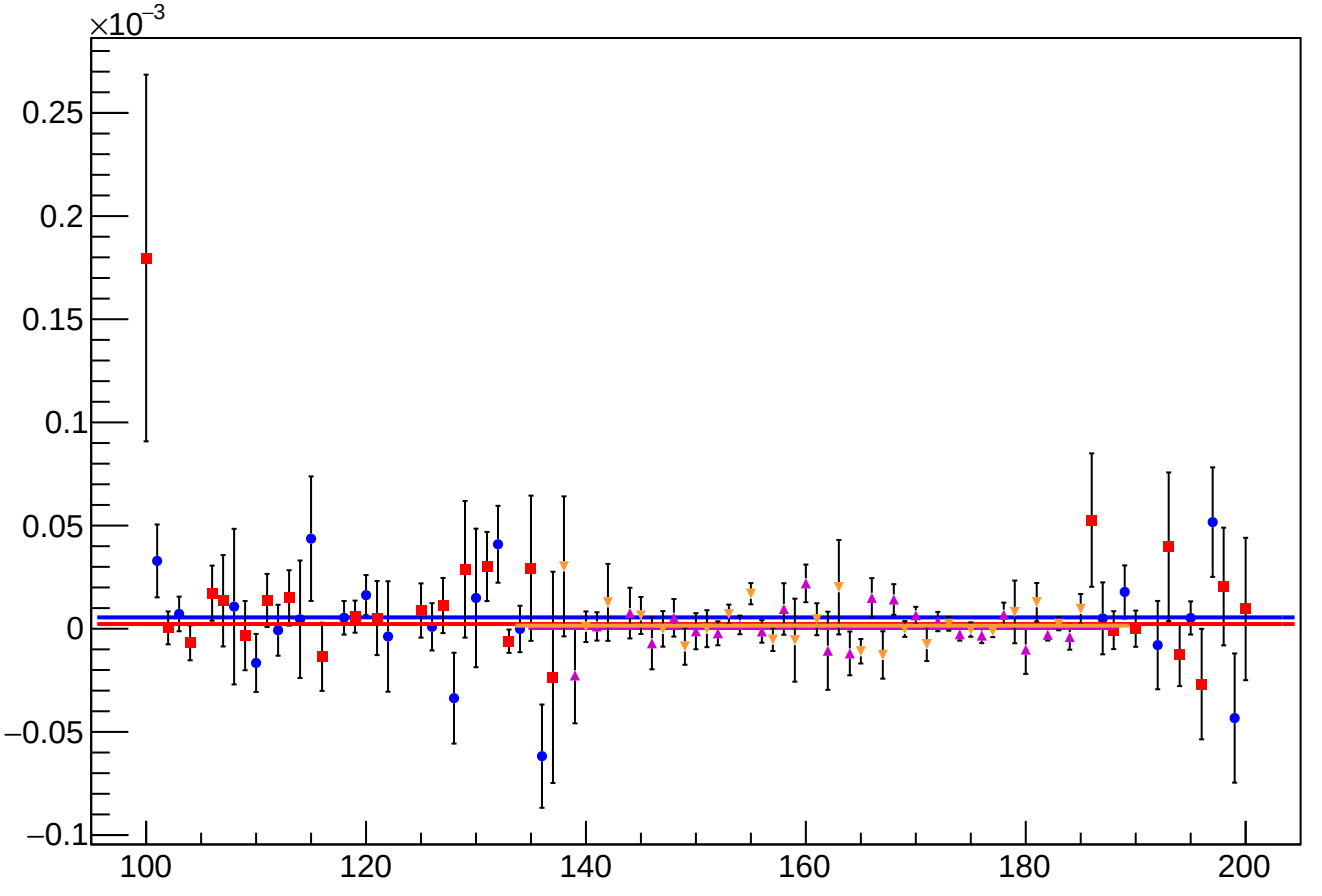
Right Out: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 79.716+/-0.012 χ^2/NDF: 12580395.0/45

All: 77.825+/-0.008 χ^2/NDF: 26805333.9/94

\- sign 76.155+/-0.012 χ^2/NDF: 14181165.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

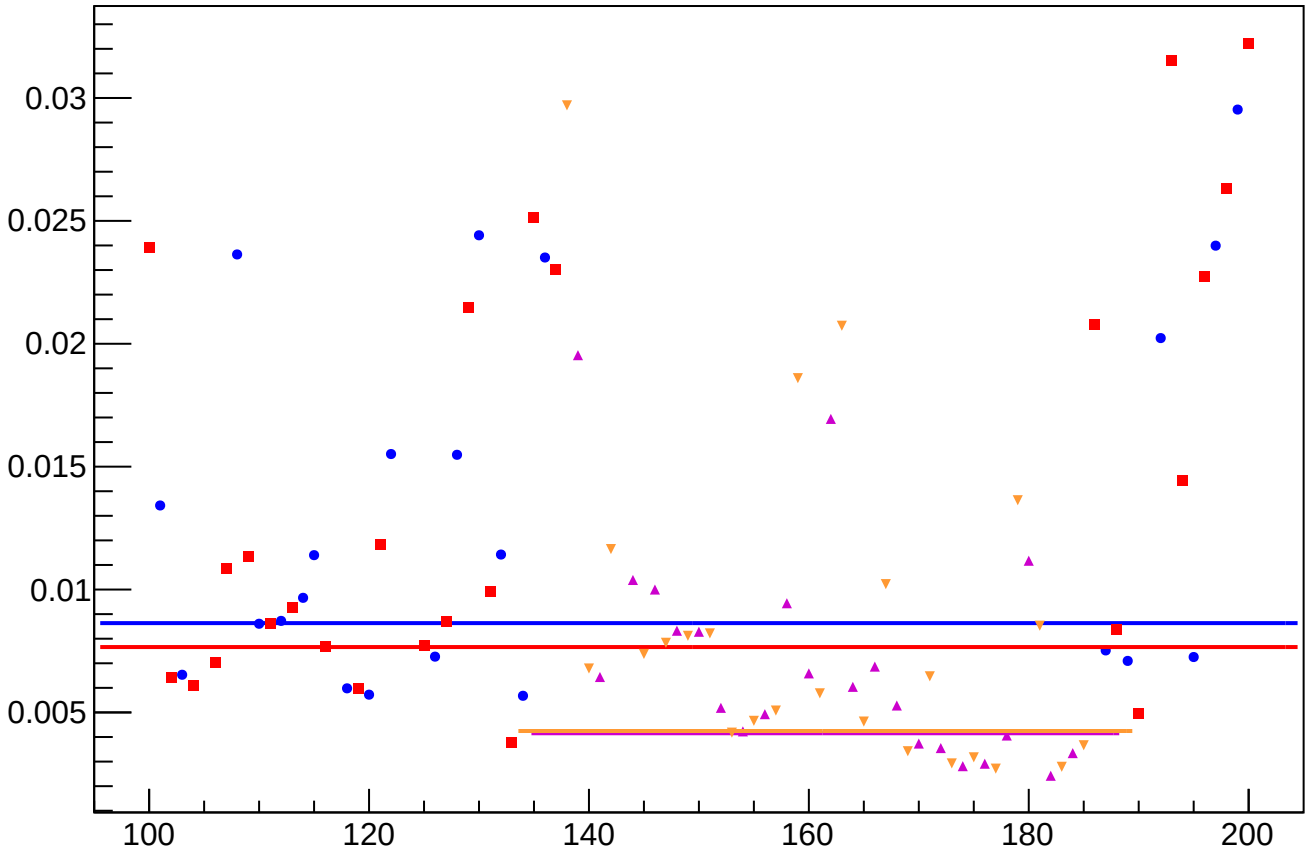
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/25

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/45

All: 0.000+/-0.000 χ^2/NDF: 106.9/94

- sign 0.000+/-0.000 χ^2/NDF: 48.2/48



Right In: 0.009+/-0.000 χ^2/NDF: 4927850.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.008+/-0.000 χ^2/NDF: 6898415.2/25

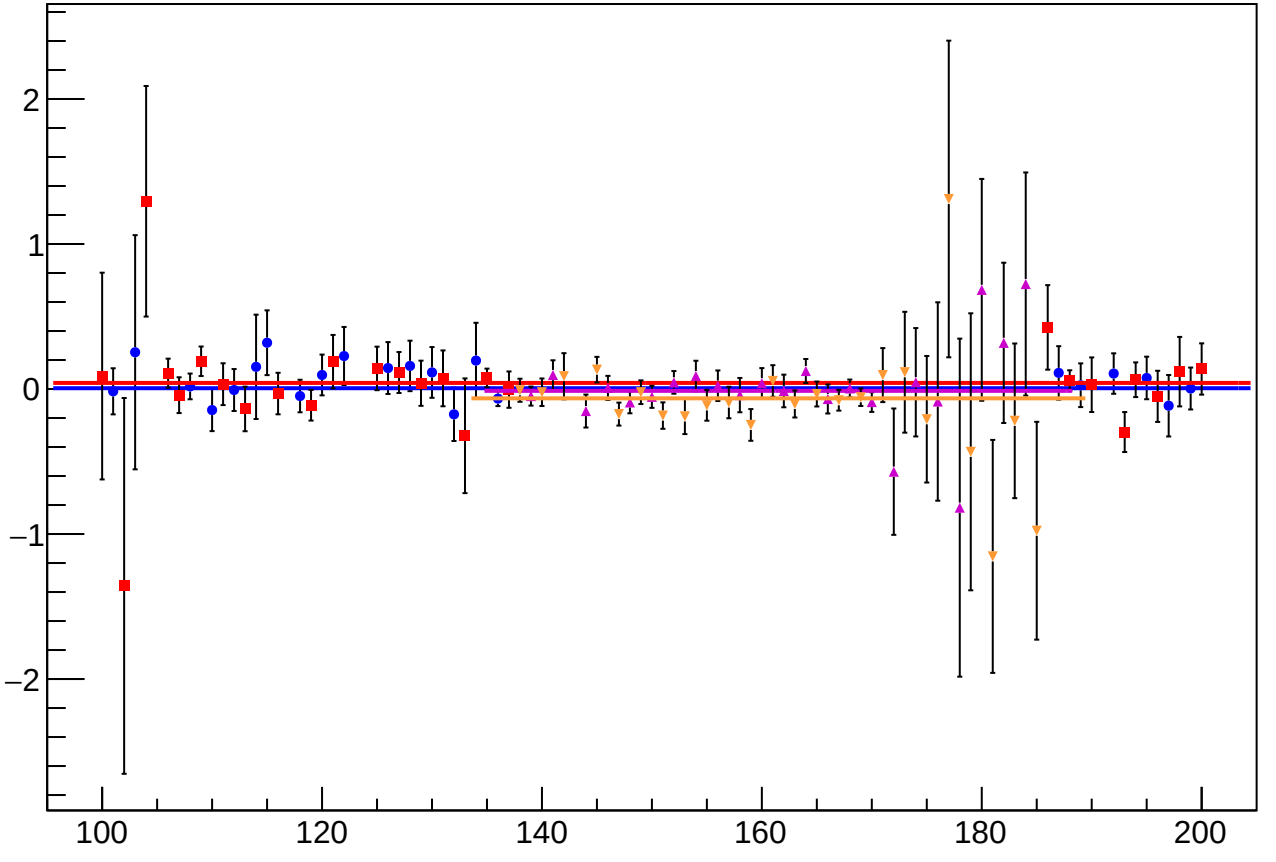
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 17315407.7/45

All: 0.005+/-0.000 χ^2/NDF: 34295000.7/94

- sign 0.005+/-0.000 χ^2/NDF: 16979205.3/48

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

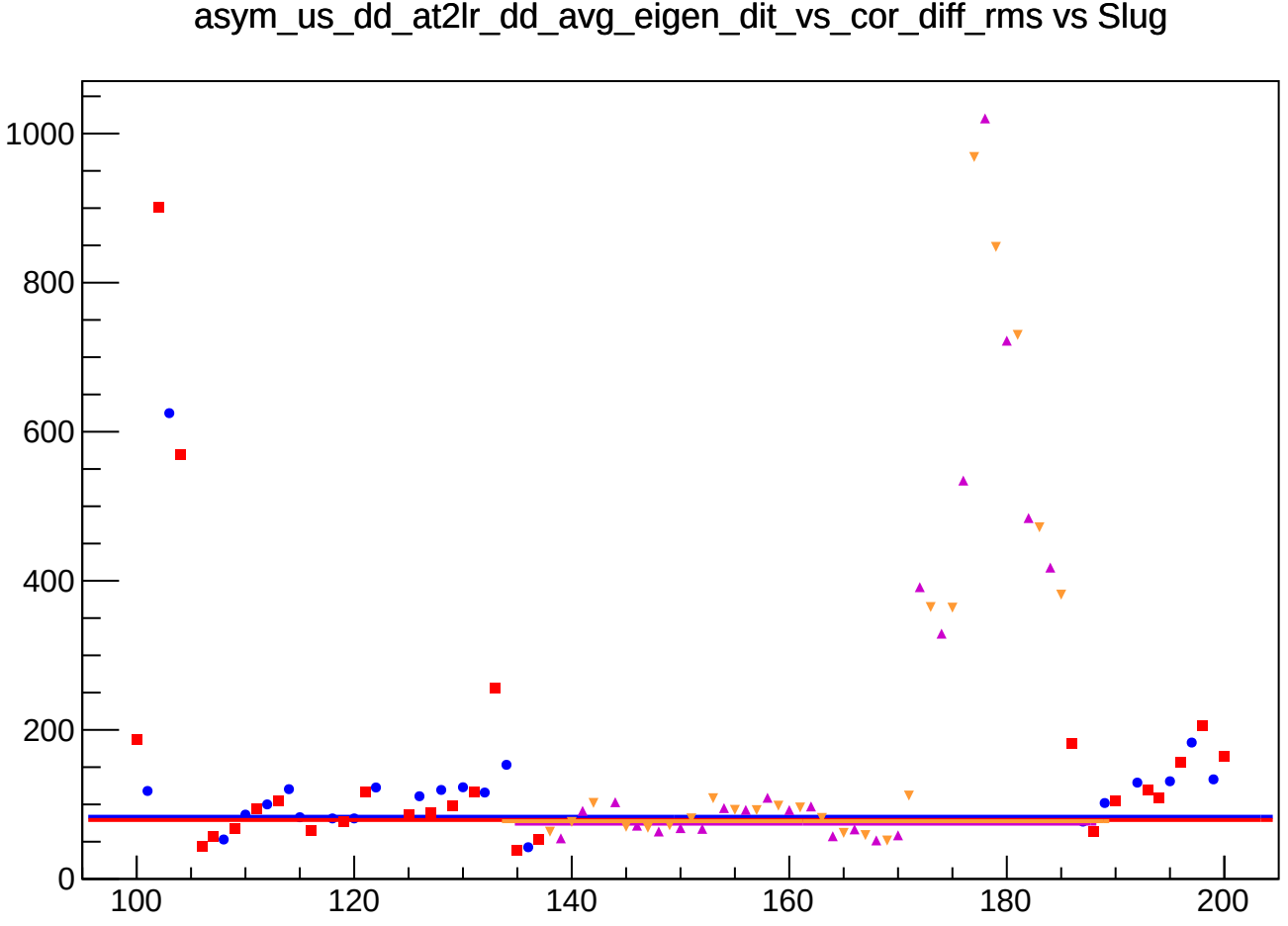
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.013+/-0.012 χ^2/NDF: 81.0/94

- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

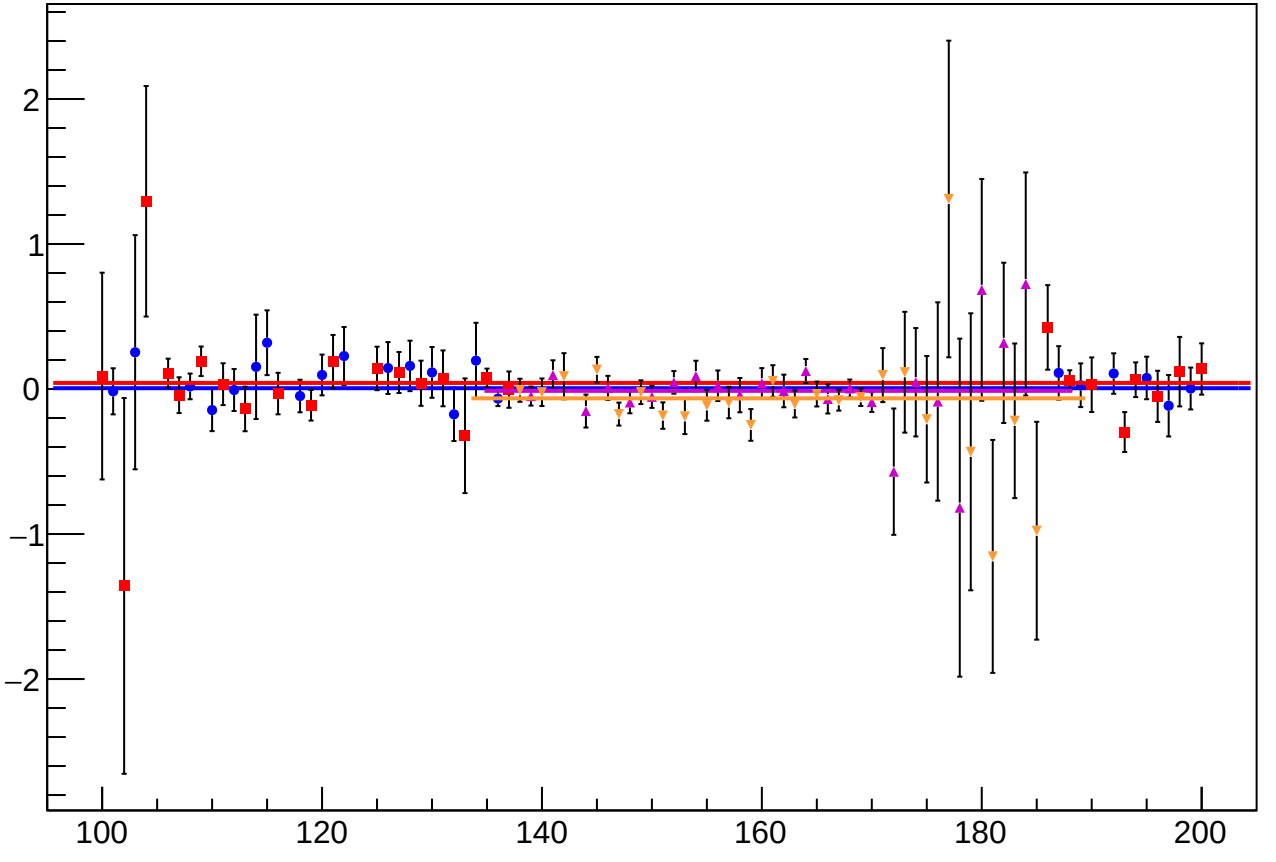
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 79.724+/-0.012 χ^2/NDF: 12577367.1/45

All: 77.827+/-0.008 χ^2/NDF: 26803625.6/94

\- sign 76.152+/-0.012 χ^2/NDF: 14182229.8/48

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

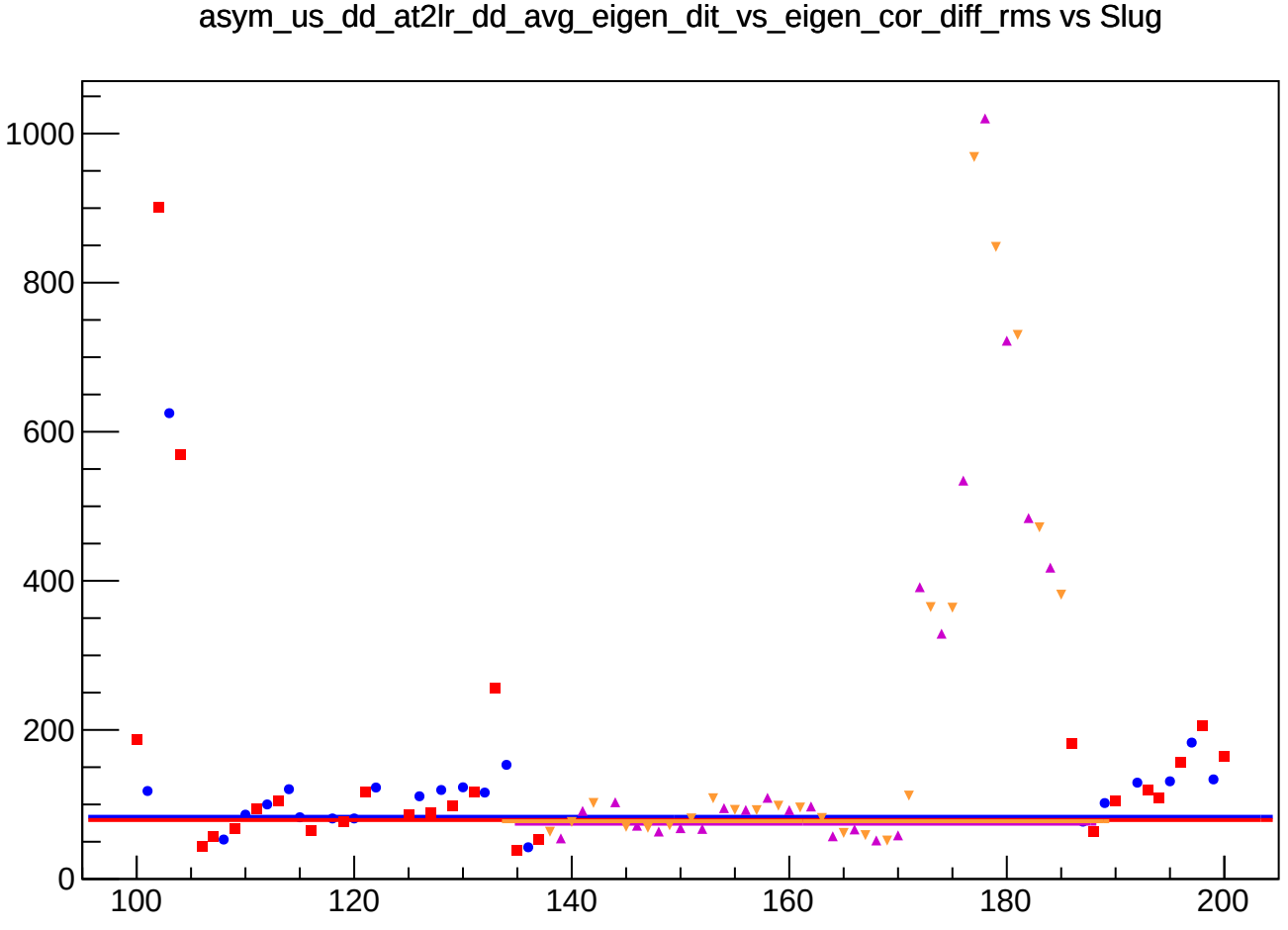
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.013+/-0.012 χ^2/NDF: 81.0/94

- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

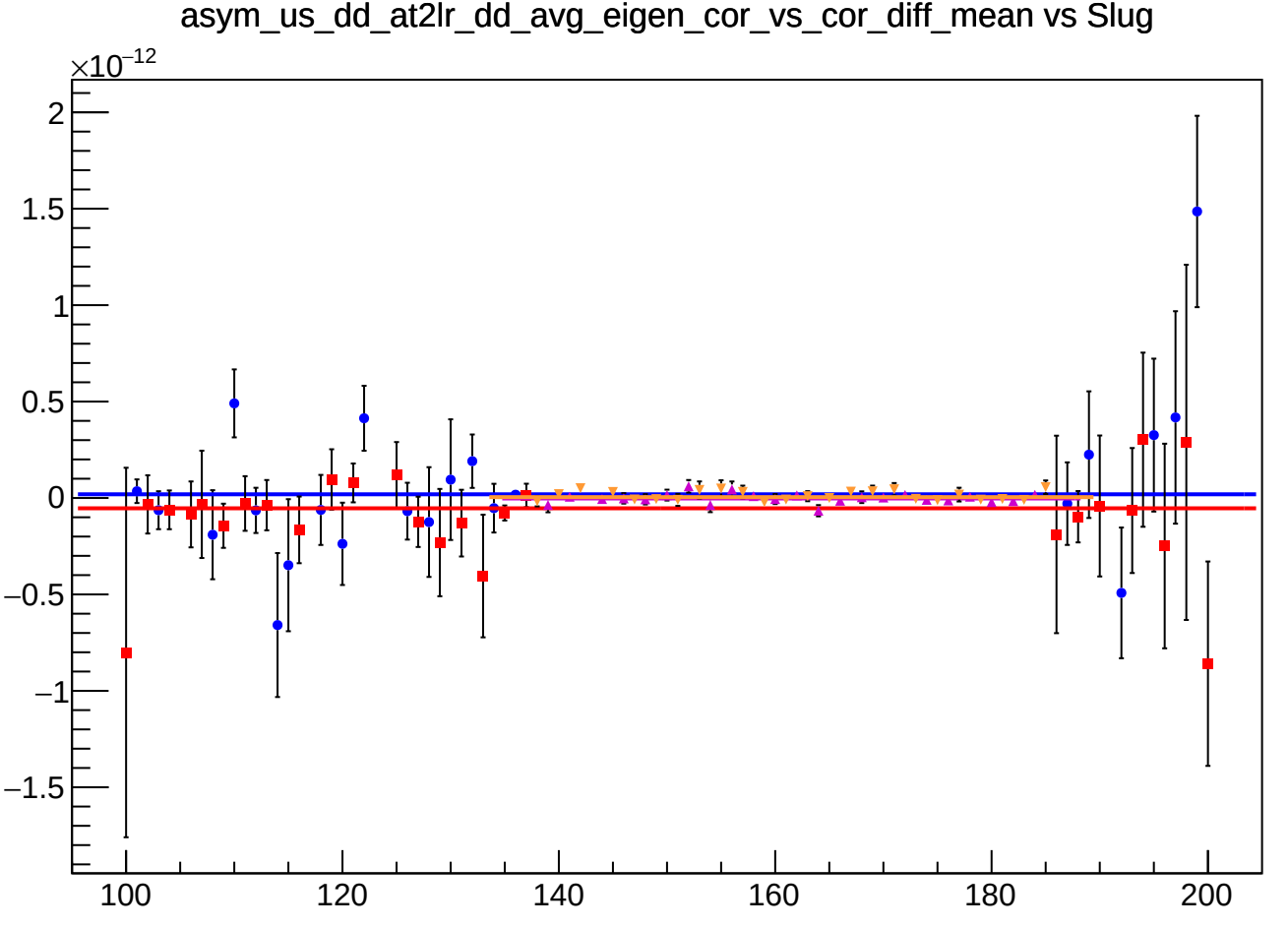
Right Out: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 79.724+/-0.012 χ^2/NDF: 12577367.1/45

All: 77.827+/-0.008 χ^2/NDF: 26803625.6/94

\- sign 76.152+/-0.012 χ^2/NDF: 14182229.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

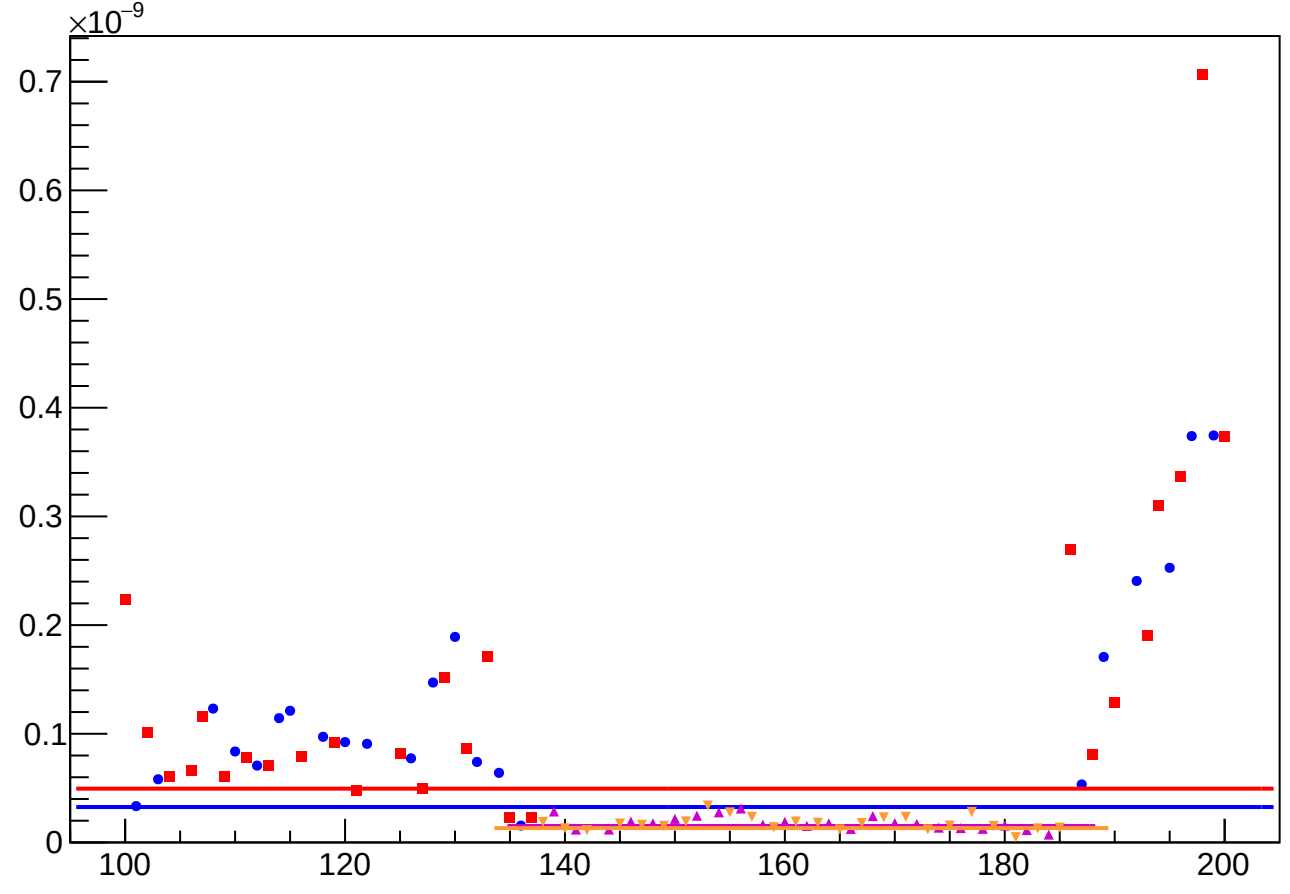
Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/25

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/45

All: 0.000+/-0.000 χ^2/NDF: 94.8/94

- sign -0.000+/-0.000 χ^2/NDF: 34.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 7582112.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6840496.0/25

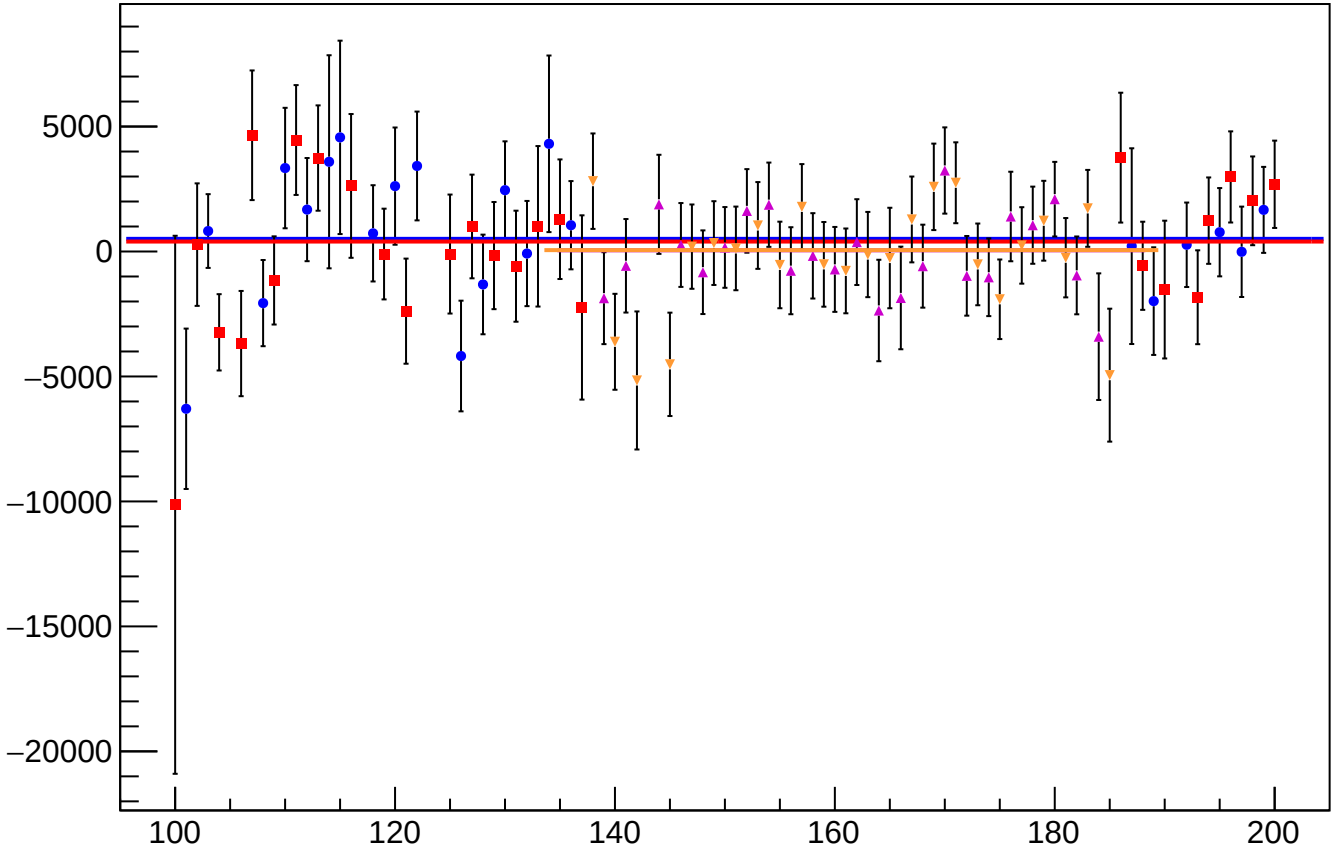
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13768594.7/45

All: 0.000+/-0.000 χ^2/NDF: 26923957.0/94

- sign 0.000+/-0.000 χ^2/NDF: 12903919.5/48

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 506.356+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 398.046+/-418.017 χ^2/NDF: 32.0/25

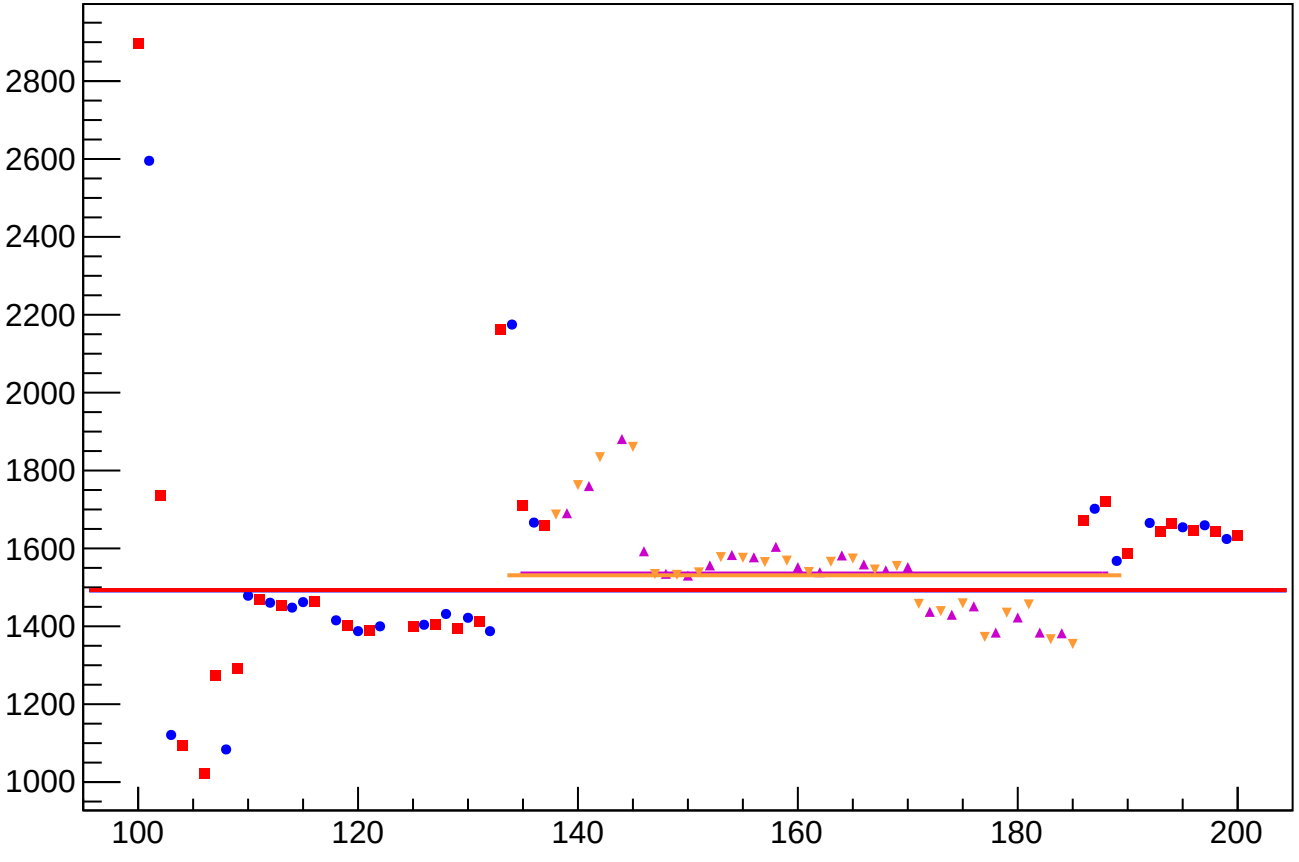
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 230.675+/-278.446 χ^2/NDF: 51.4/45

All: 213.449+/-194.784 χ^2/NDF: 100.5/94

- sign 196.942+/-272.579 χ^2/NDF: 49.1/48

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.086+/-0.315 χ^2/NDF: 668492.7/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

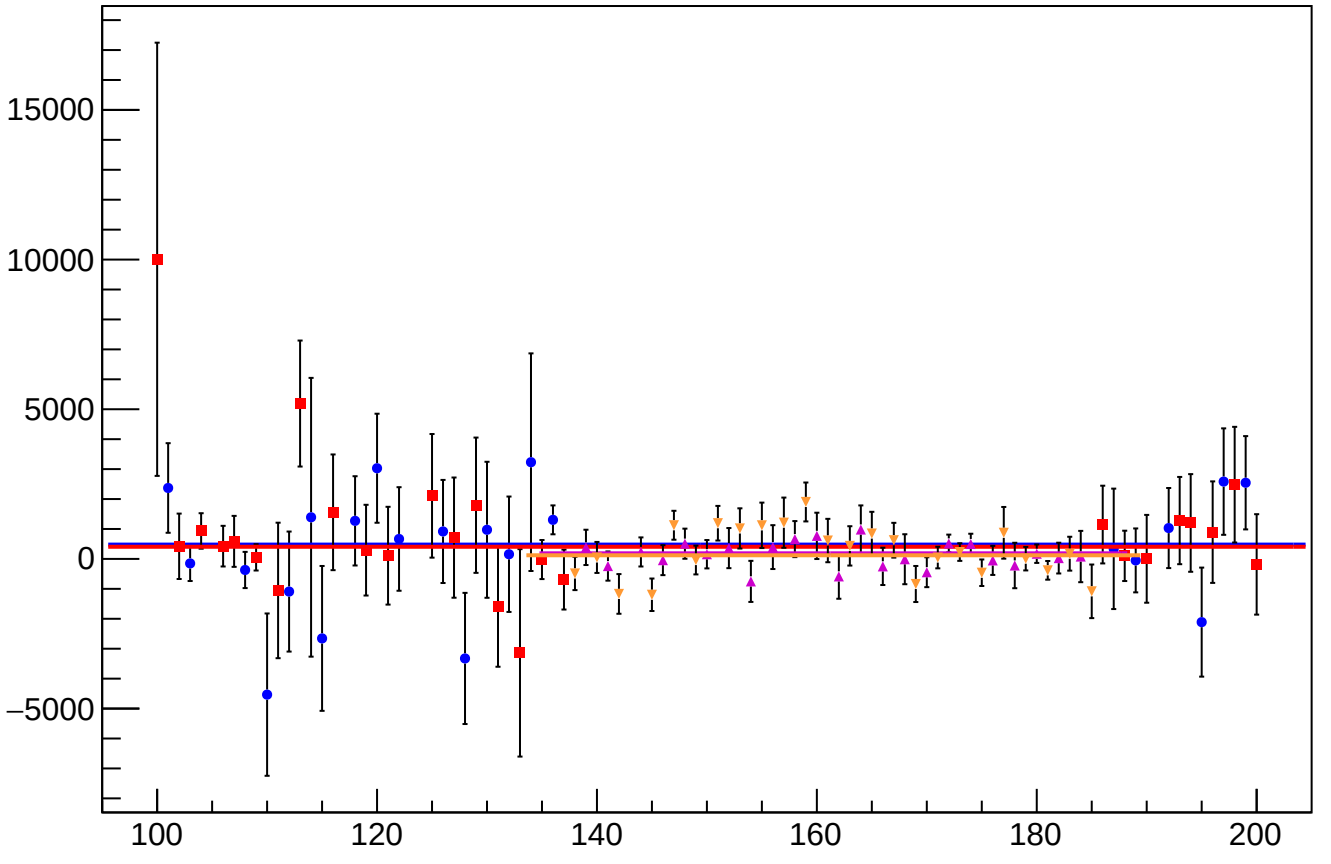
Right Out: 1493.074+/-0.296 χ^2/NDF: 582259.7/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.0/45

All: 1516.676+/-0.138 χ^2/NDF: 1667908.9/94

- sign 1517.490+/-0.193 χ^2/NDF: 786562.5/48



Right In: 478.132+/-251.198 χ^2/NDF: 25.0/21

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

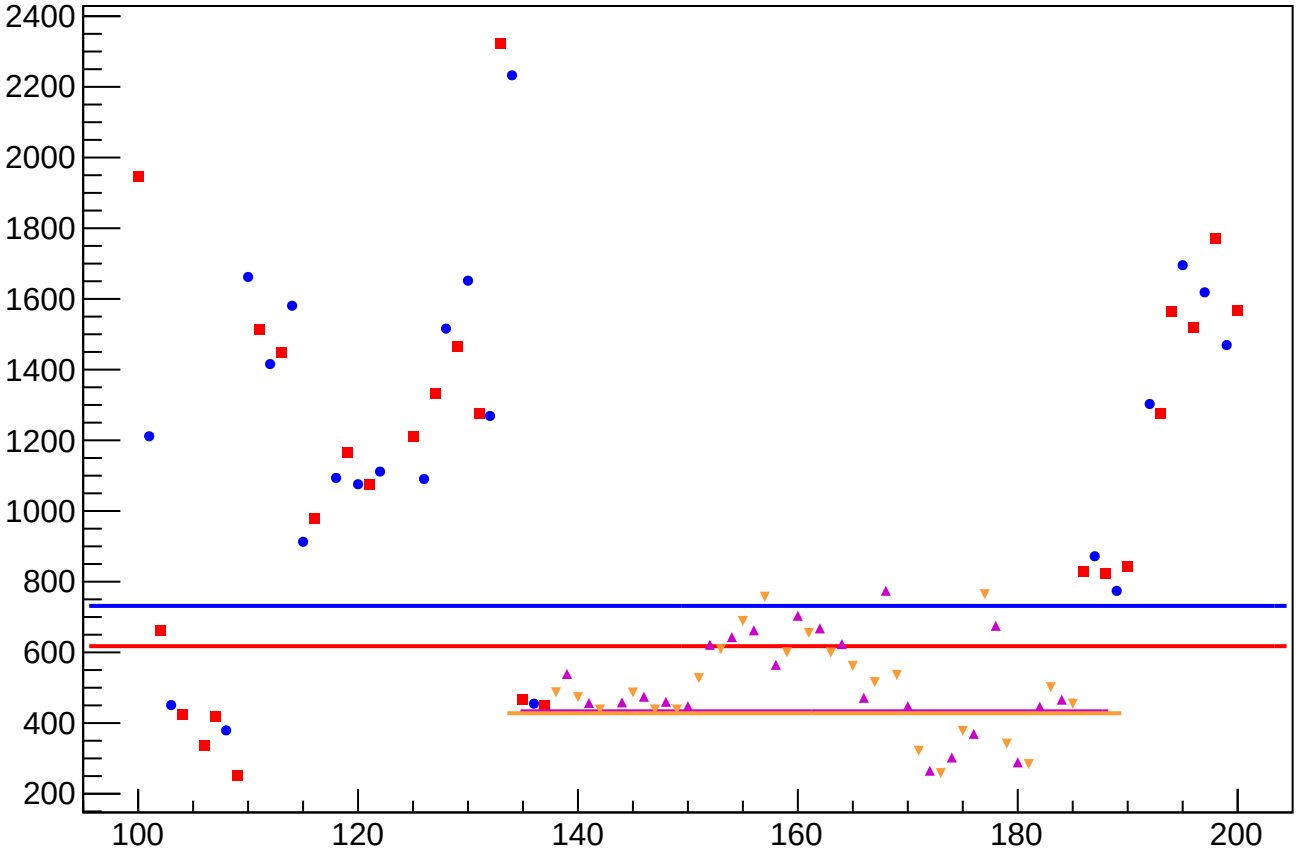
Right Out: 405.912+/-210.383 χ^2/NDF: 16.5/25

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 174.448+/-96.924 χ^2/NDF: 70.3/45

All: 203.610+/-67.975 χ^2/NDF: 99.4/94

- sign 231.835+/-95.356 χ^2/NDF: 28.9/48



Right In: 731.525+/-0.178 χ^2/NDF: 5880710.7/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 617.598+/-0.149 χ^2/NDF: 8034248.9/25

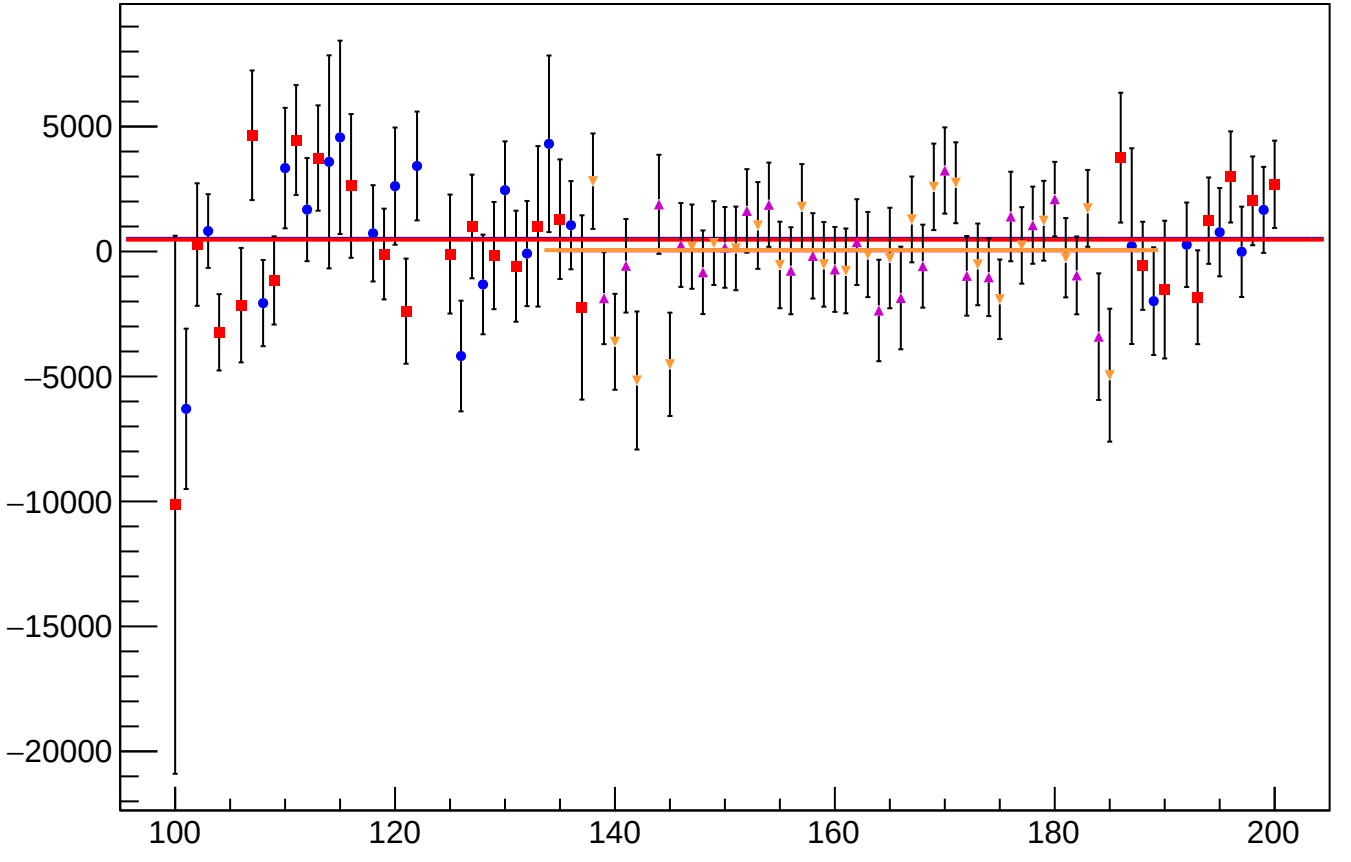
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 473.030+/-0.069 χ^2/NDF: 11557211.0/45

All: 472.074+/-0.048 χ^2/NDF: 24059558.1/94

- sign 471.148+/-0.067 χ^2/NDF: 12501963.8/48

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.809+/-419.298 χ^2/NDF: 29.4/25

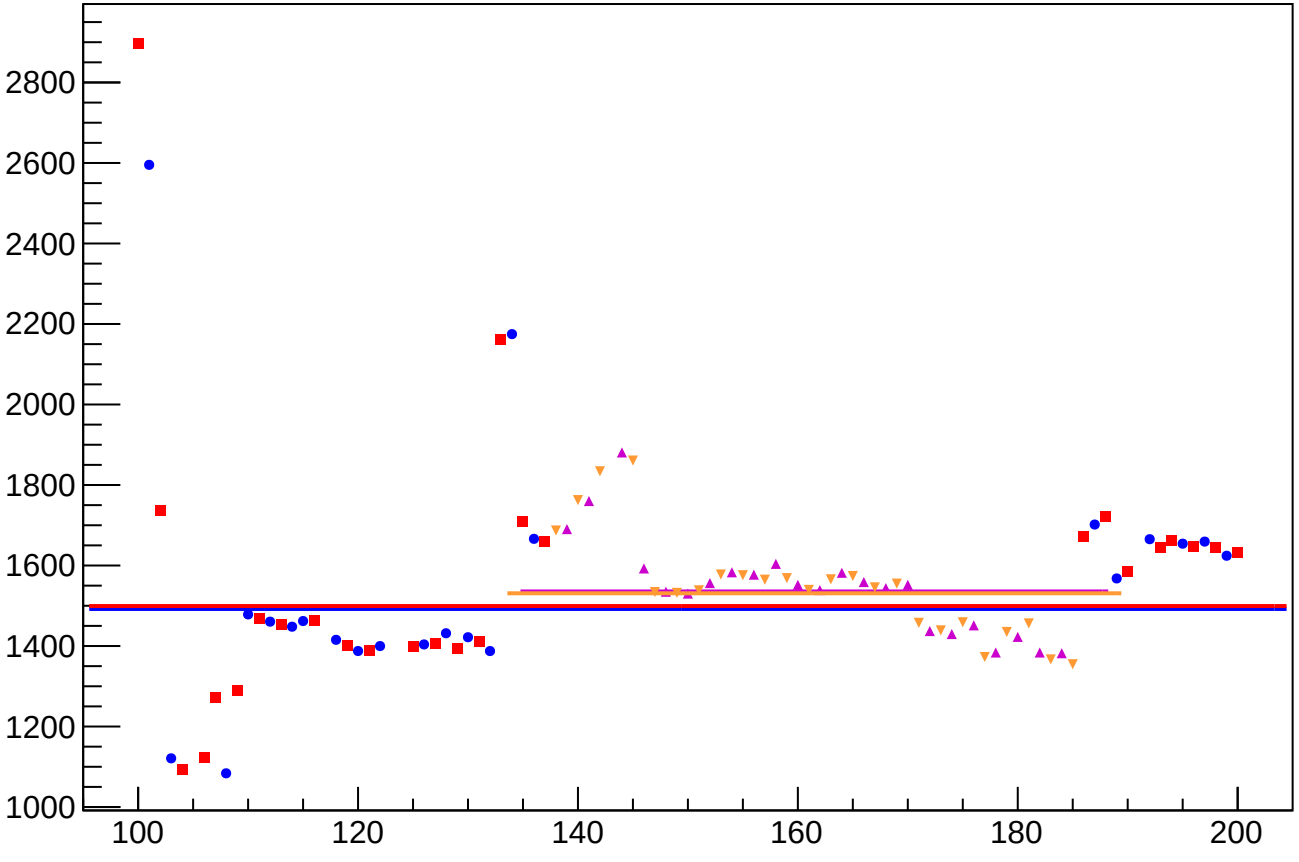
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 230.644+/-278.446 χ^2/NDF: 51.4/45

All: 229.801+/-194.913 χ^2/NDF: 98.1/94

- sign 228.991+/-272.933 χ^2/NDF: 46.8/48

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

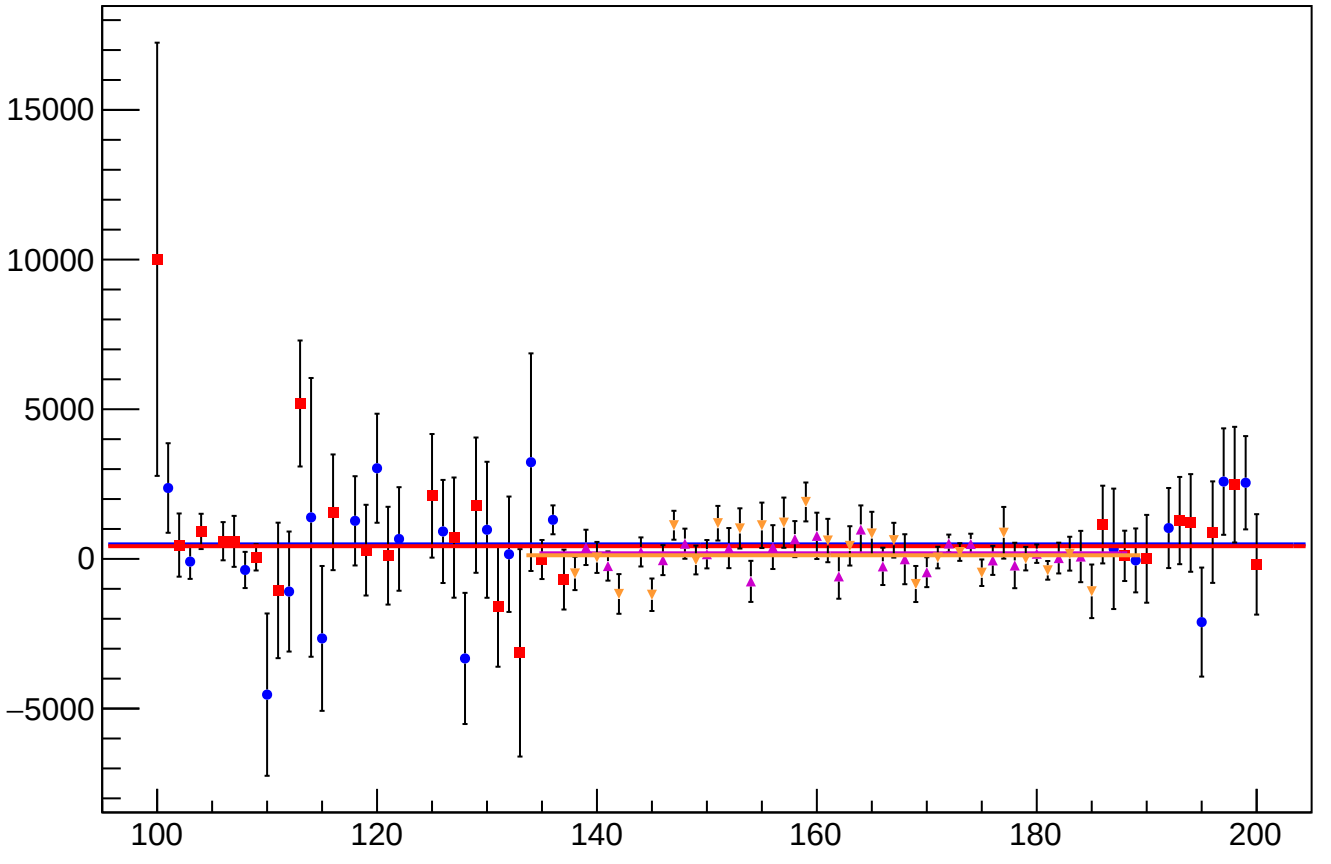
Right Out: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.4/45

All: 1518.049+/-0.138 χ^2/NDF: 1617168.0/94

- sign 1520.185+/-0.193 χ^2/NDF: 735607.8/48



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 424.450+/-208.634 χ^2/NDF: 16.5/25

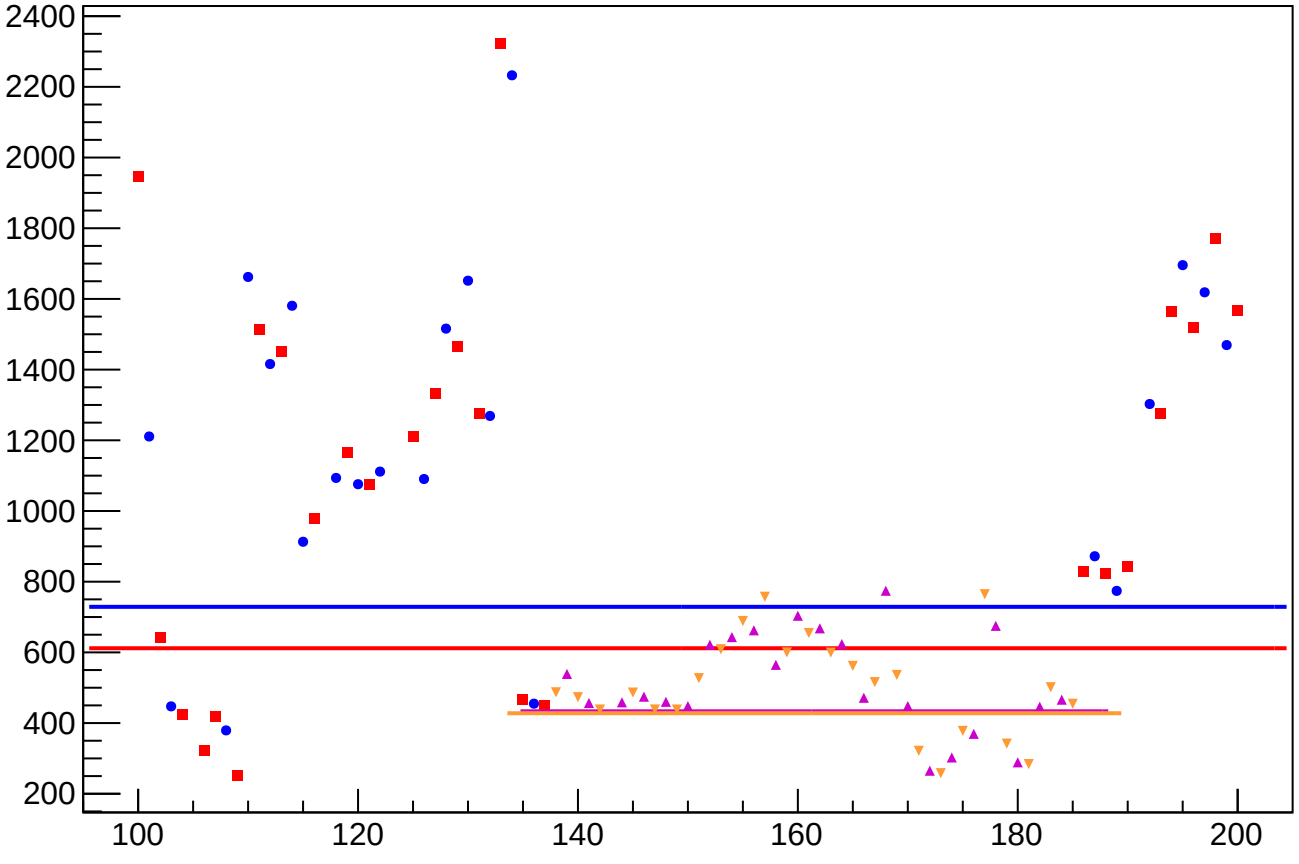
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 175.797+/-96.873 χ^2/NDF: 70.2/45

All: 206.660+/-67.897 χ^2/NDF: 99.6/94

- sign 236.460+/-95.192 χ^2/NDF: 29.1/48

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

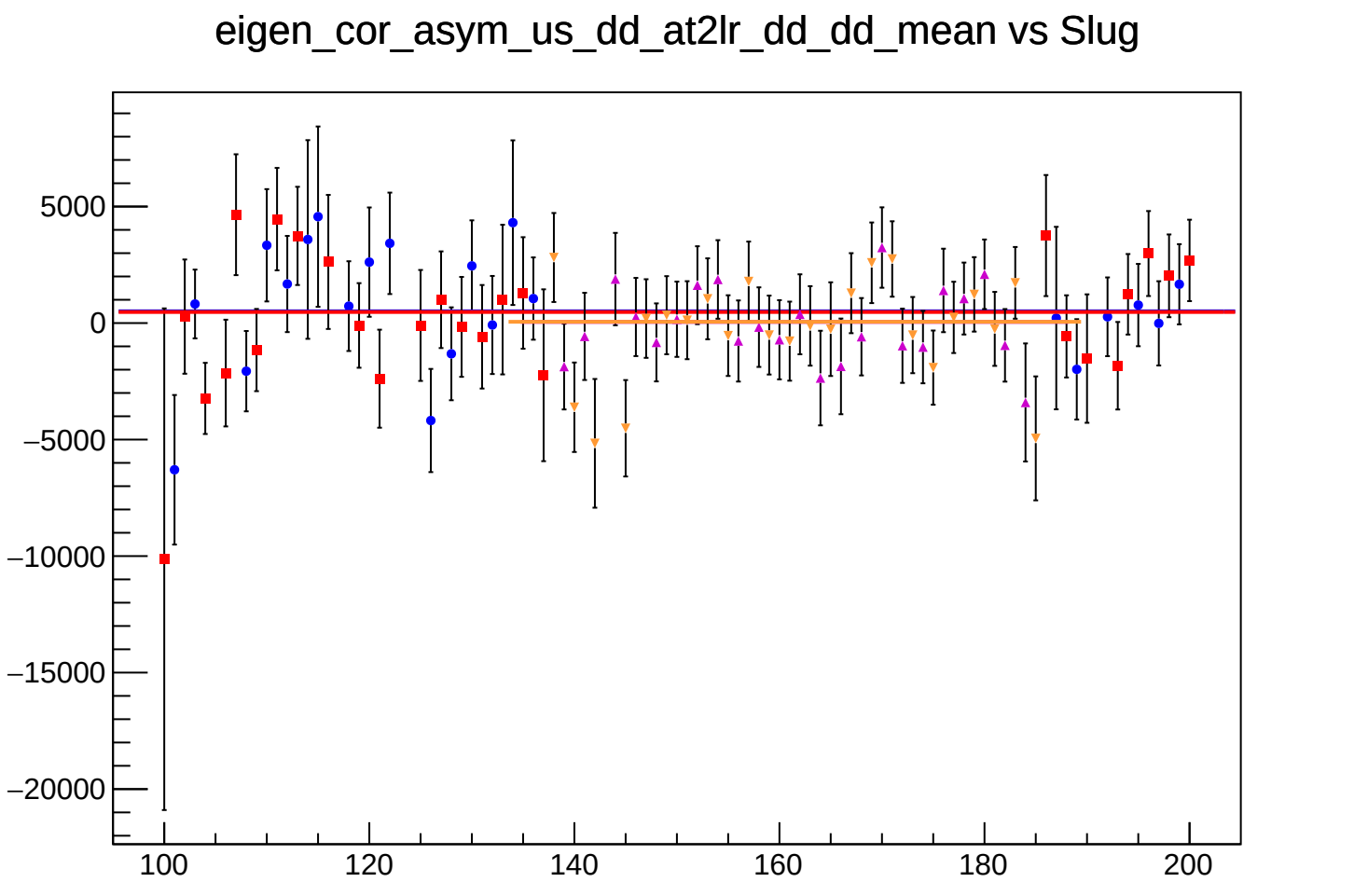
Right Out: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 472.906+/-0.068 χ^2/NDF: 11558230.6/45

All: 471.646+/-0.048 χ^2/NDF: 24079959.8/94

- sign 470.428+/-0.067 χ^2/NDF: 12521063.5/48



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.809+/-419.298 χ^2/NDF: 29.4/25

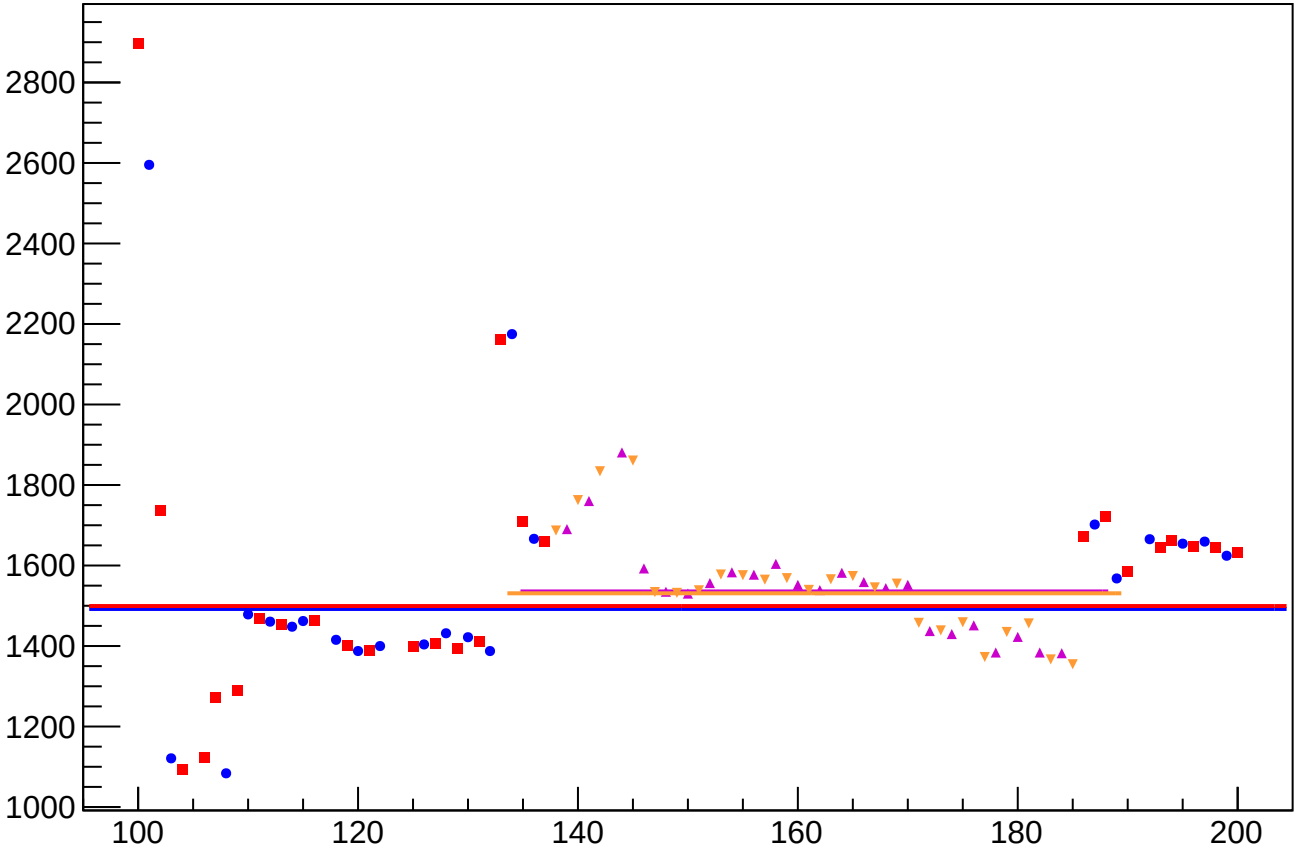
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 230.644+/-278.446 χ^2/NDF: 51.4/45

All: 229.801+/-194.913 χ^2/NDF: 98.1/94

- sign 228.991+/-272.933 χ^2/NDF: 46.8/48

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

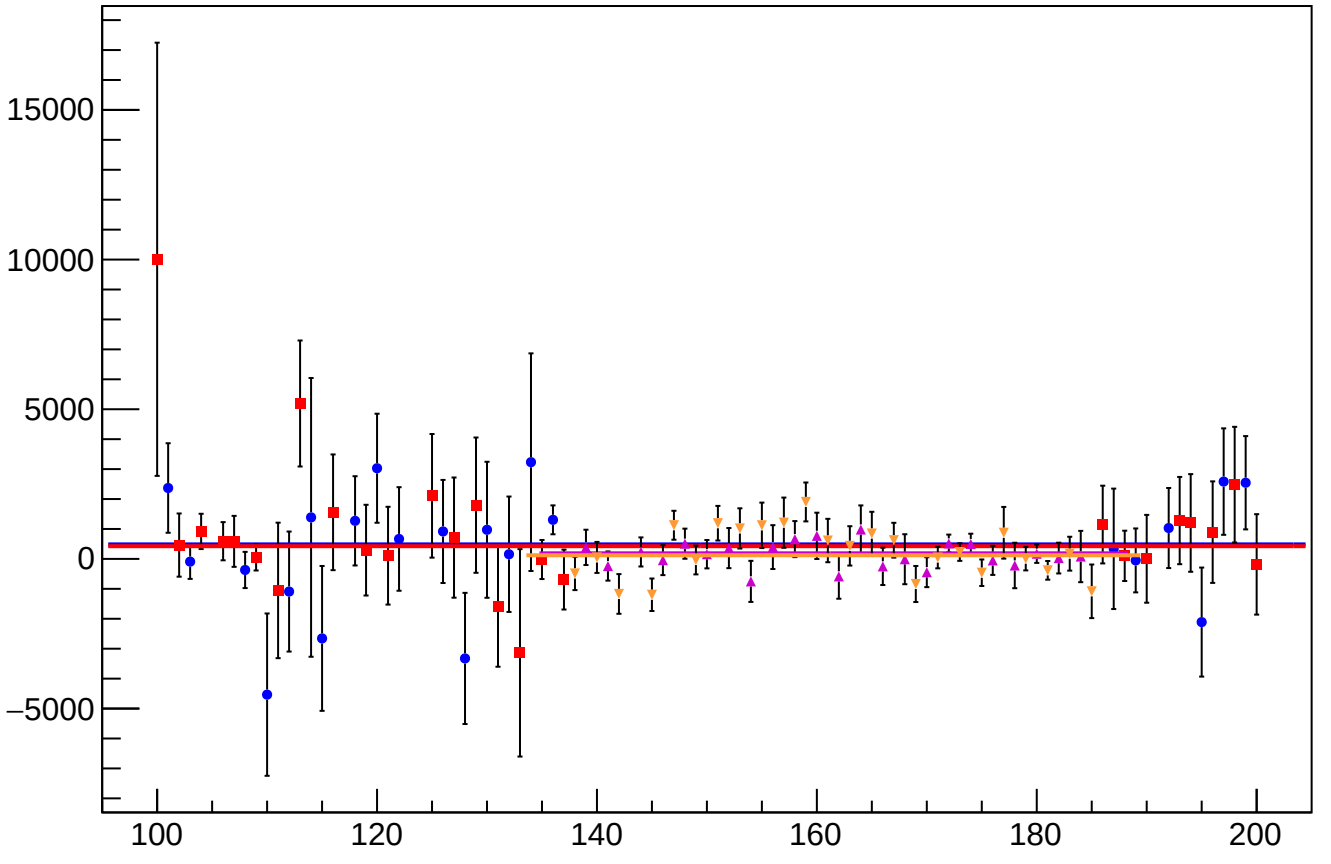
Right Out: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.4/45

All: 1518.049+/-0.138 χ^2/NDF: 1617168.0/94

- sign 1520.185+/-0.193 χ^2/NDF: 735607.8/48



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

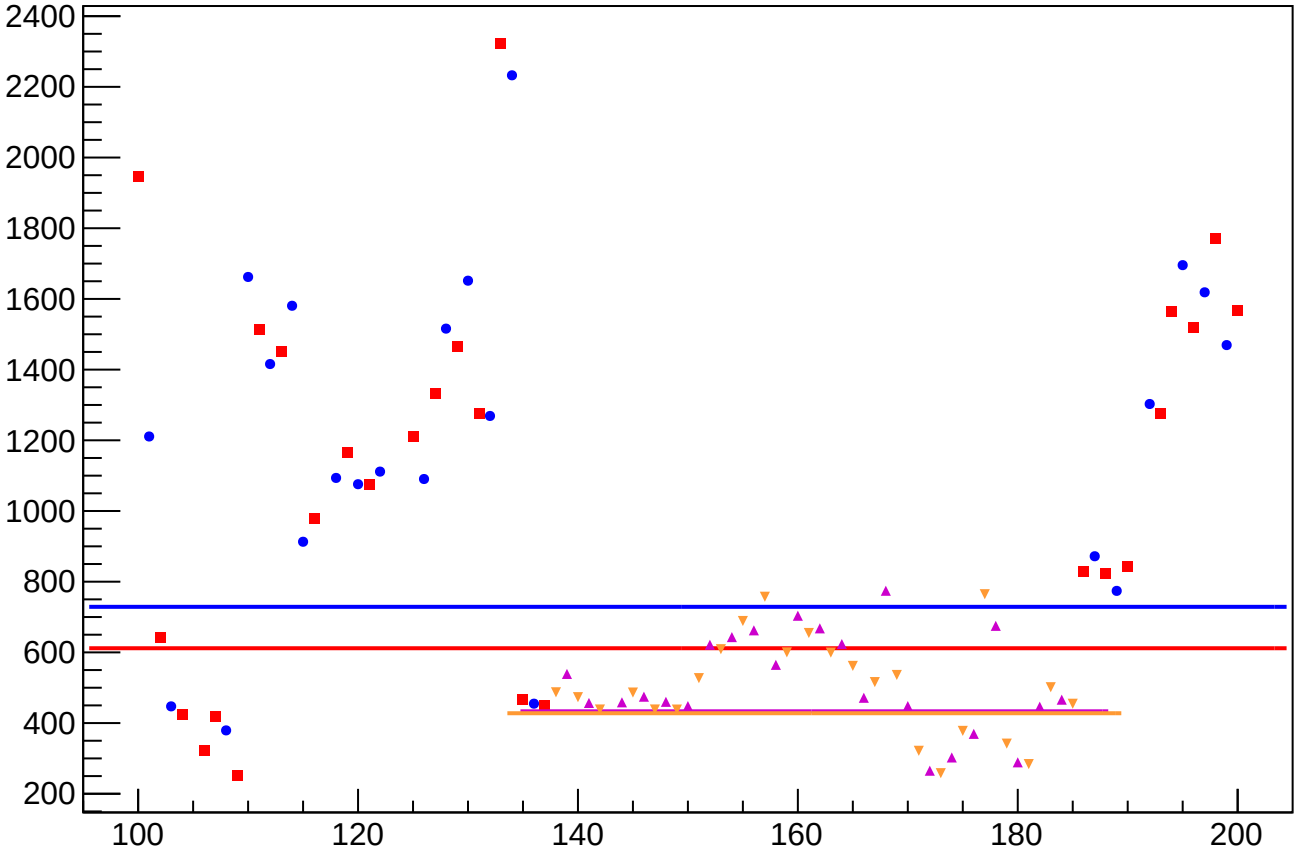
Right Out: 424.450+/-208.634 χ^2/NDF: 16.5/25

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 175.797+/-96.873 χ^2/NDF: 70.2/45

All: 206.660+/-67.897 χ^2/NDF: 99.6/94

- sign 236.460+/-95.192 χ^2/NDF: 29.1/48



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

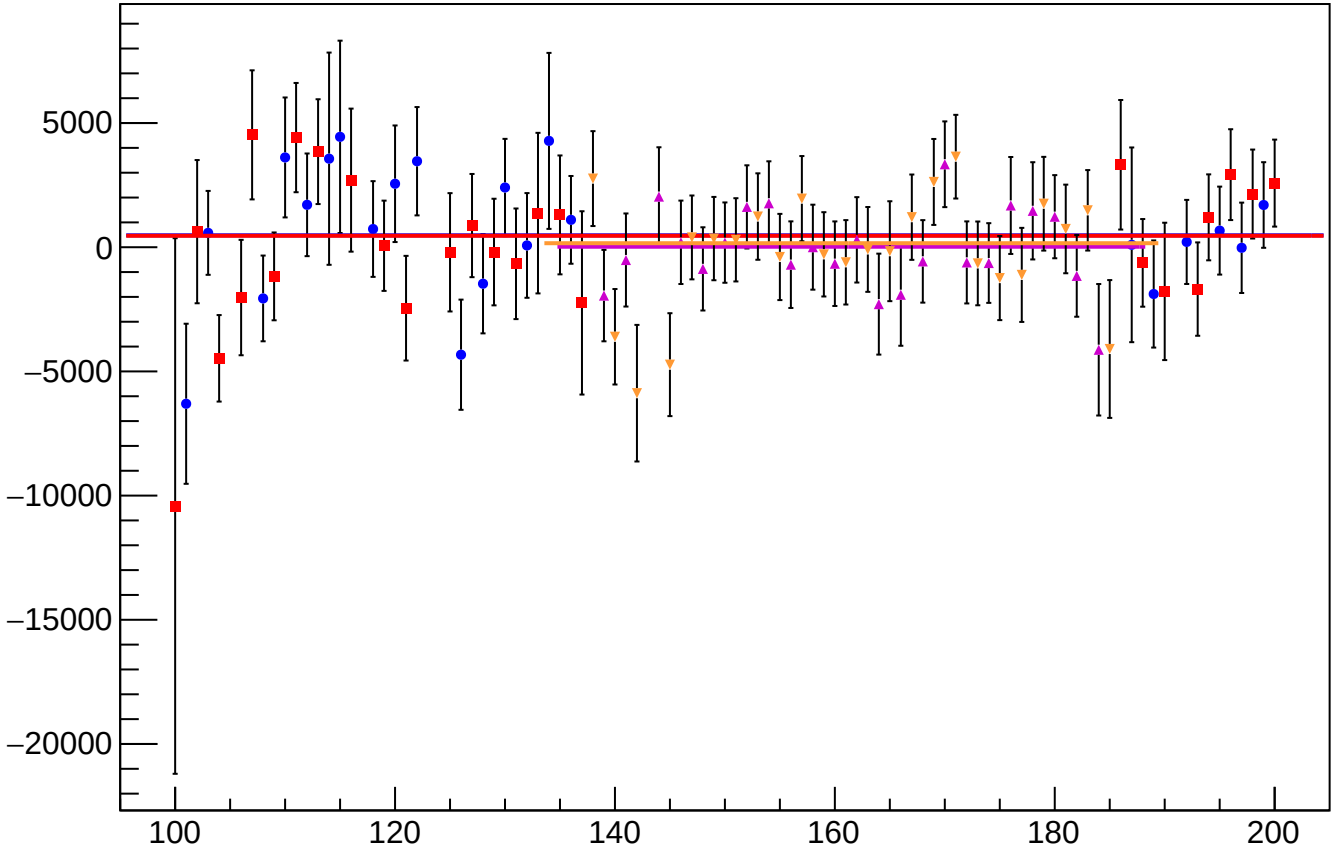
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 472.906+/-0.068 χ^2/NDF: 11558230.6/45

All: 471.646+/-0.048 χ^2/NDF: 24079959.8/94

- sign 470.428+/-0.067 χ^2/NDF: 12521063.5/48

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 479.691+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 460.961+/-425.809 χ^2/NDF: 31.0/25

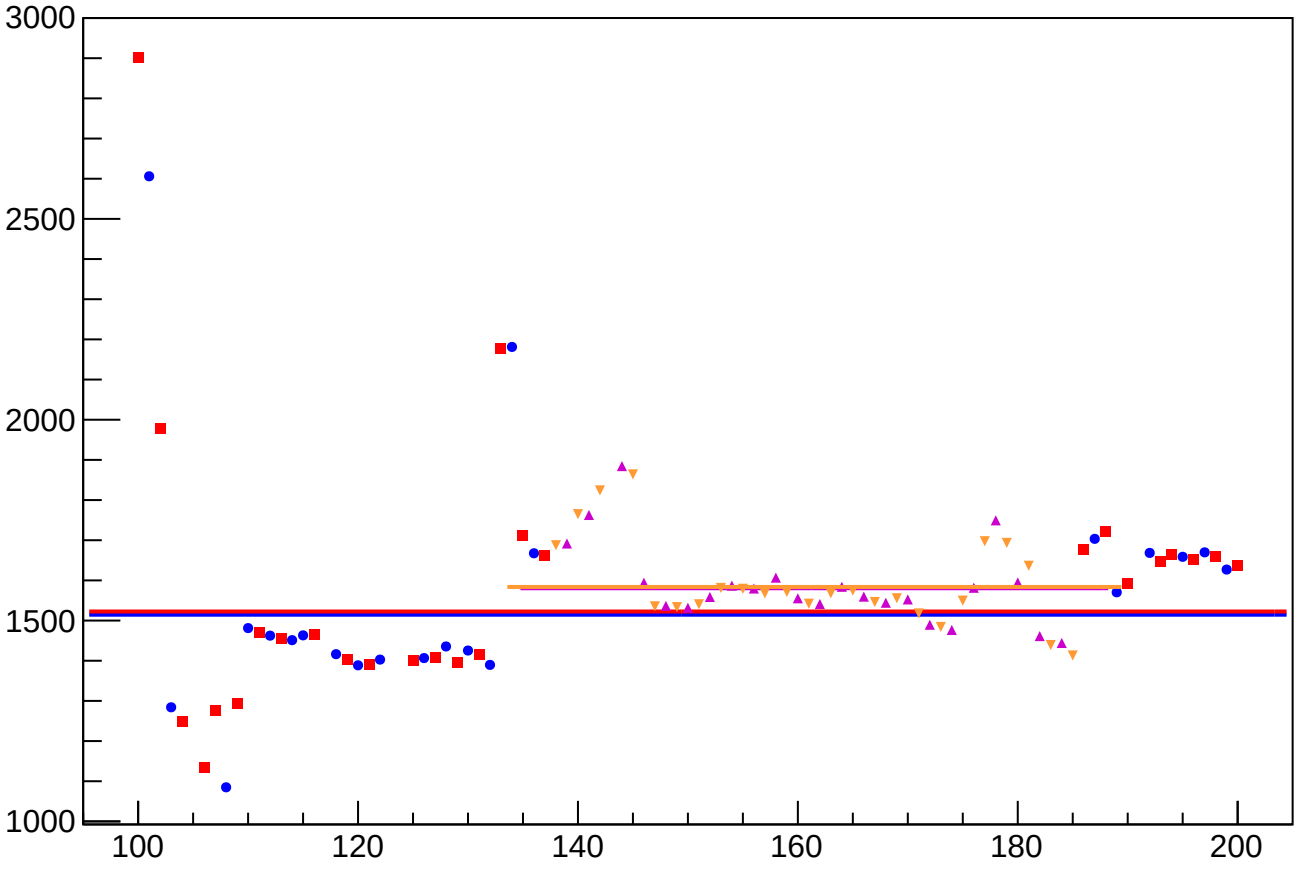
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 288.579+/-285.523 χ^2/NDF: 52.8/45

All: 248.268+/-199.621 χ^2/NDF: 100.4/94

- sign 209.723+/-279.197 χ^2/NDF: 47.6/48

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.9/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

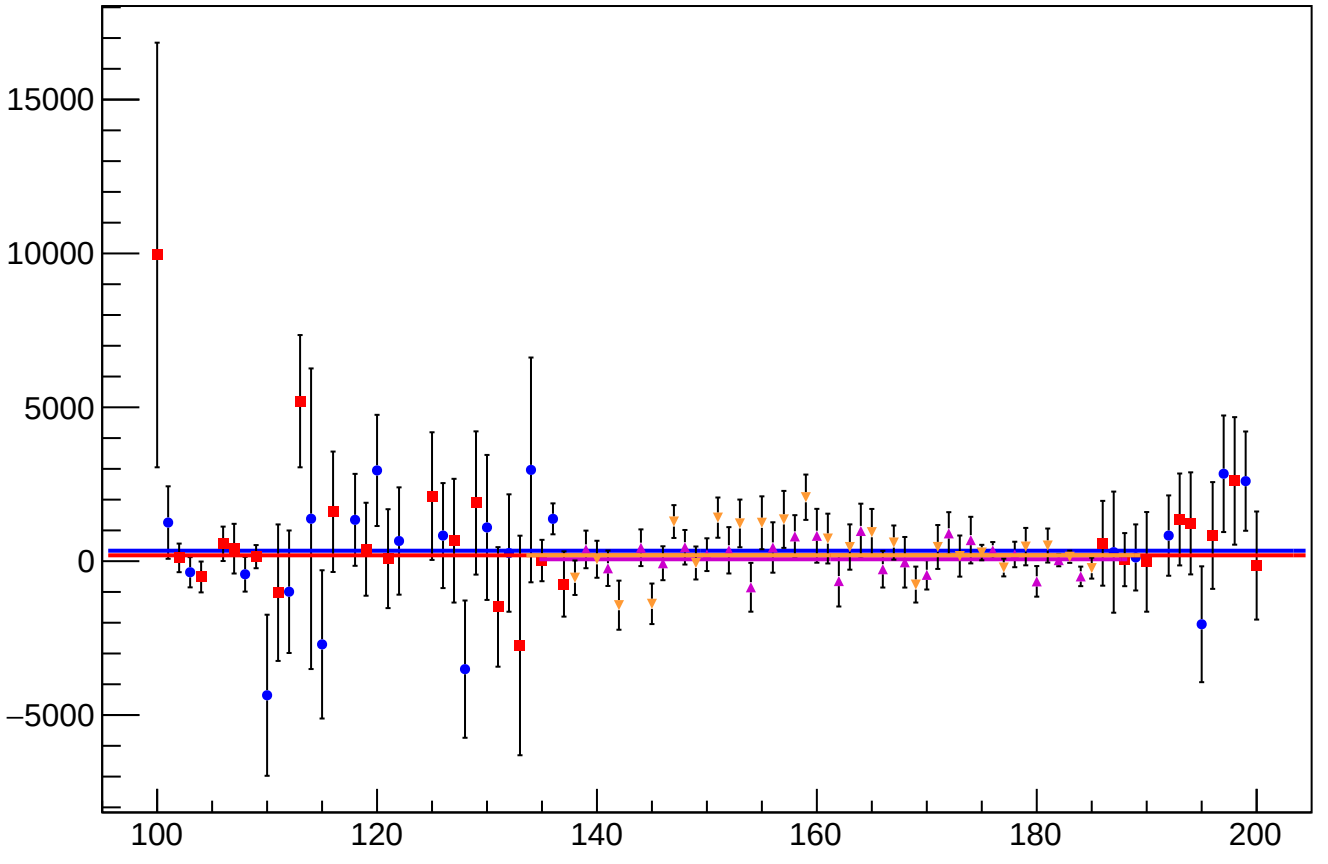
Right Out: 1522.584+/-0.301 χ^2/NDF: 467166.5/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1556.102+/-0.202 χ^2/NDF: 734579.9/45

All: 1555.835+/-0.141 χ^2/NDF: 1348562.2/94

- sign 1555.580+/-0.197 χ^2/NDF: 613978.9/48



Right In: 339.903+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 190.388+/-182.569 χ^2/NDF: 17.2/25

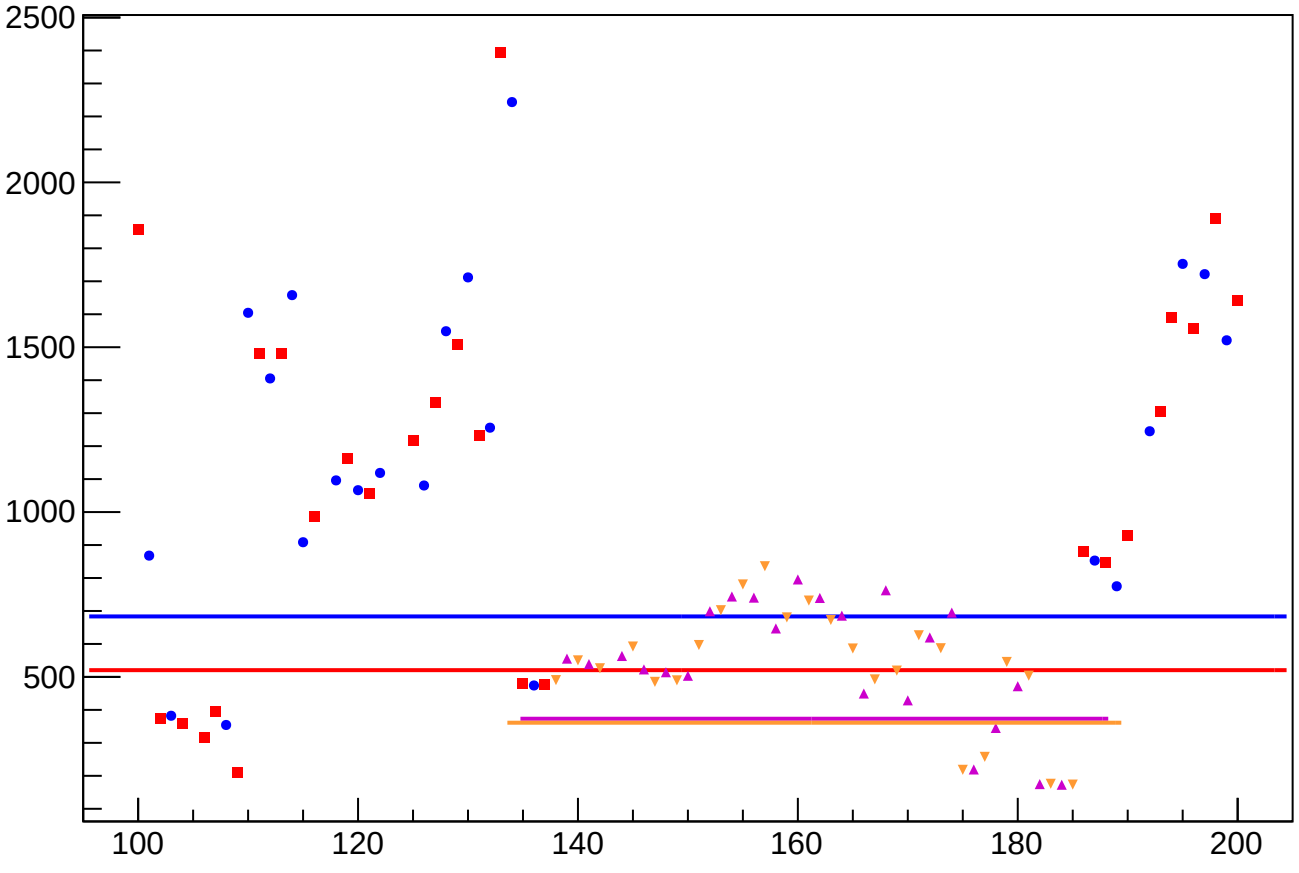
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

\+ sign 213.517+/-89.038 χ^2/NDF: 66.2/45

All: 151.527+/-62.414 χ^2/NDF: 101.7/94

\- sign 91.641+/-87.514 χ^2/NDF: 34.6/48

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 683.462+/-0.170 χ^2/NDF: 6324034.0/21

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

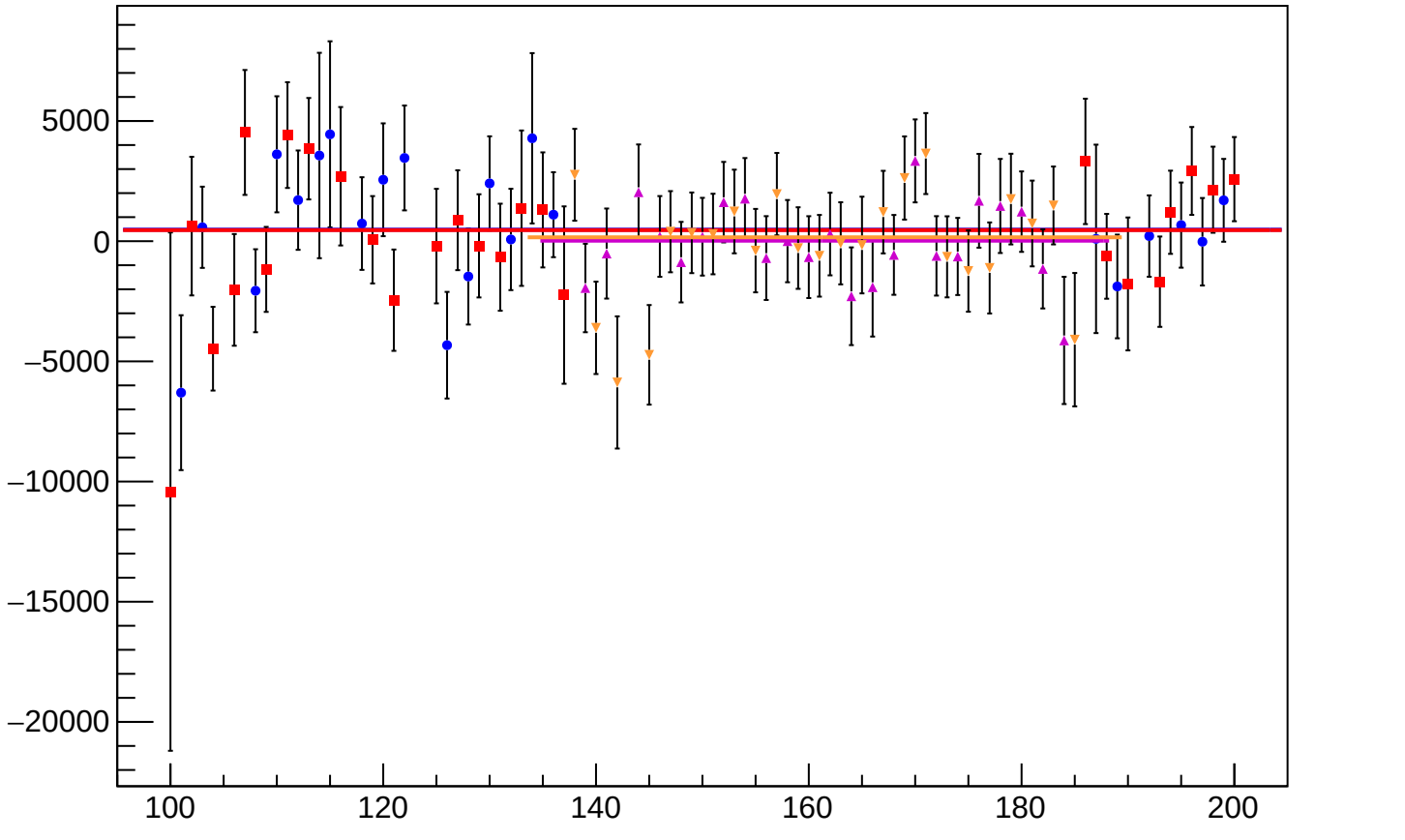
Right Out: 520.501+/-0.129 χ^2/NDF: 9690198.6/25

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 405.541+/-0.063 χ^2/NDF: 17623058.6/45

All: 406.283+/-0.044 χ^2/NDF: 36524471.9/94

- sign 407.000+/-0.062 χ^2/NDF: 18901140.3/48



Right In: 479.694+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 460.959+/-425.809 χ^2/NDF: 31.0/25

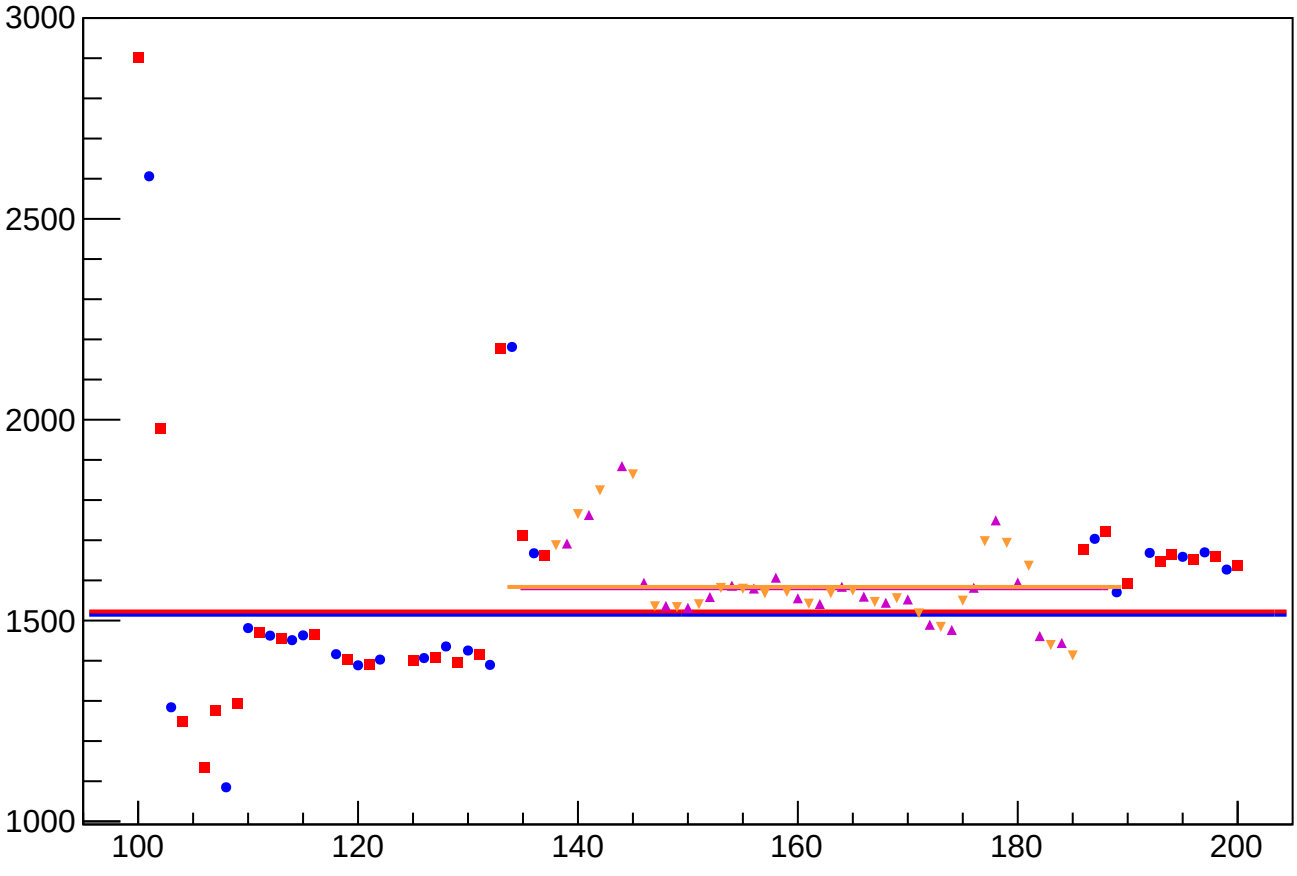
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 288.578+/-285.523 χ^2/NDF: 52.8/45

All: 248.267+/-199.621 χ^2/NDF: 100.4/94

- sign 209.722+/-279.197 χ^2/NDF: 47.6/48

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.4/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

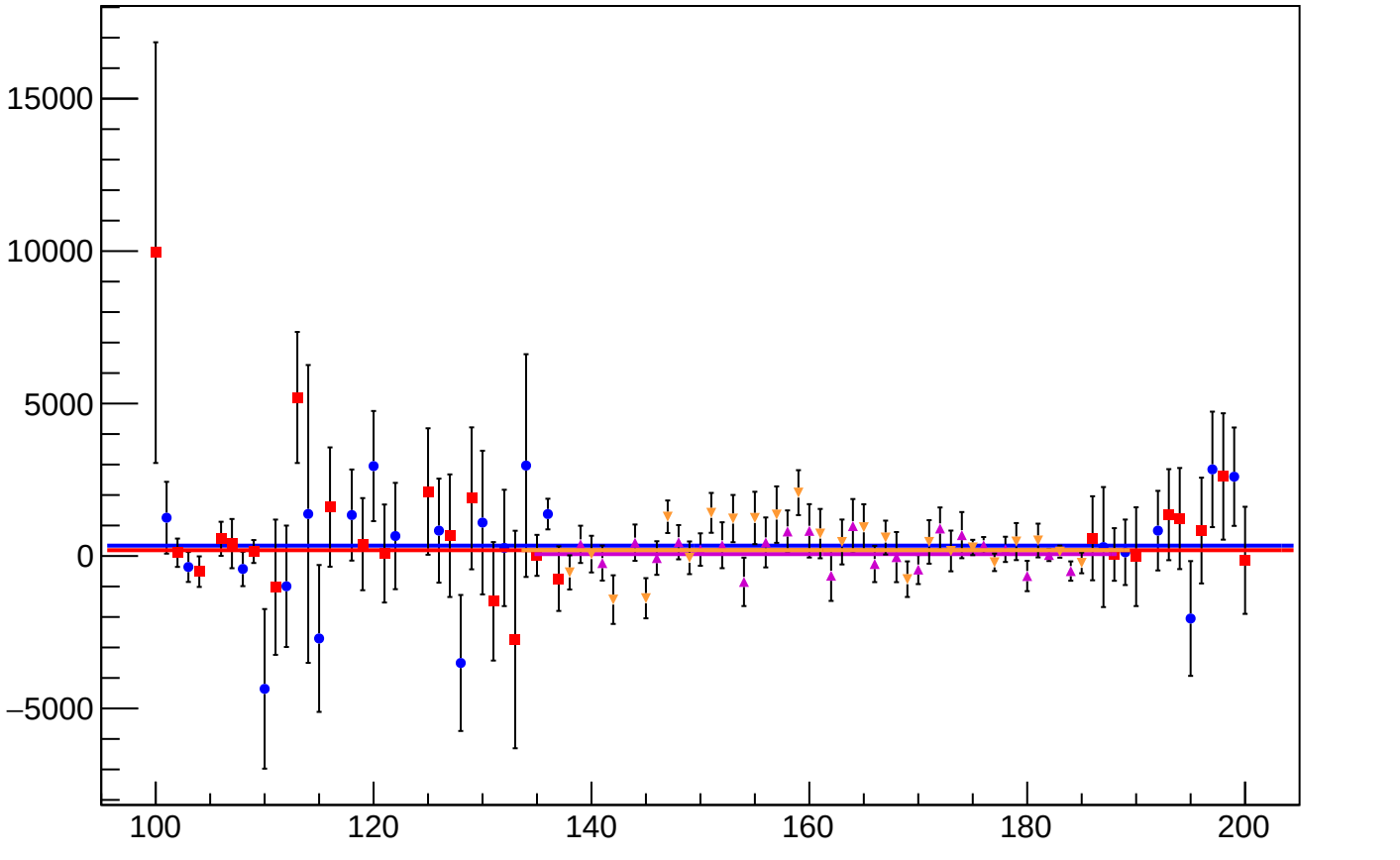
Right Out: 1522.584+/-0.301 χ^2/NDF: 467166.6/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1556.102+/-0.202 χ^2/NDF: 734579.4/45

All: 1555.835+/-0.141 χ^2/NDF: 1348561.6/94

- sign 1555.580+/-0.197 χ^2/NDF: 613978.8/48



Right In: 339.896+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

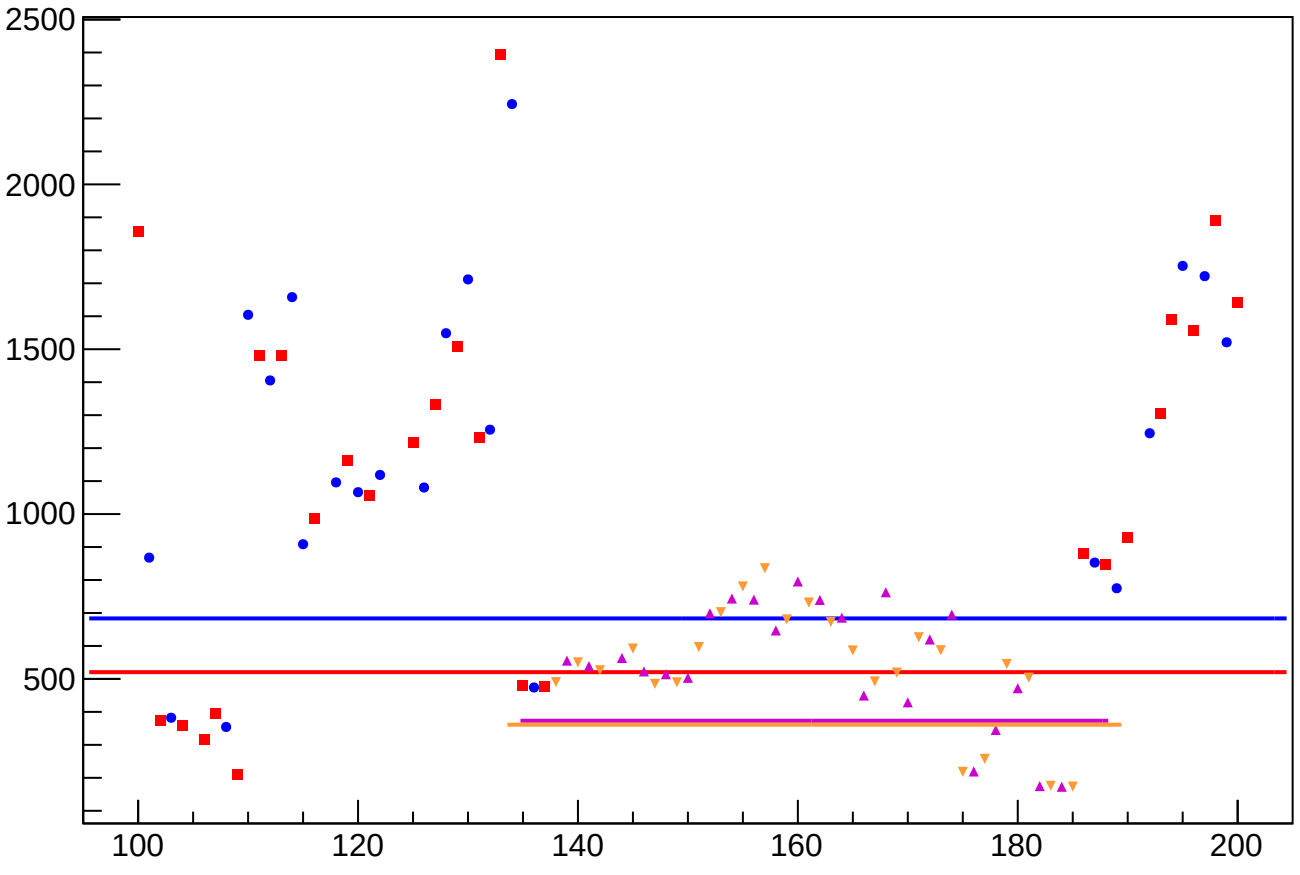
Right Out: 190.385+/-182.571 χ^2/NDF: 17.2/25

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 213.521+/-89.039 χ^2/NDF: 66.2/45

All: 151.528+/-62.414 χ^2/NDF: 101.7/94

- sign 91.639+/-87.515 χ^2/NDF: 34.6/48



Right In: 683.460+/-0.170 χ^2/NDF: 6324072.8/21

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 520.507+/-0.129 χ^2/NDF: 9690076.1/25

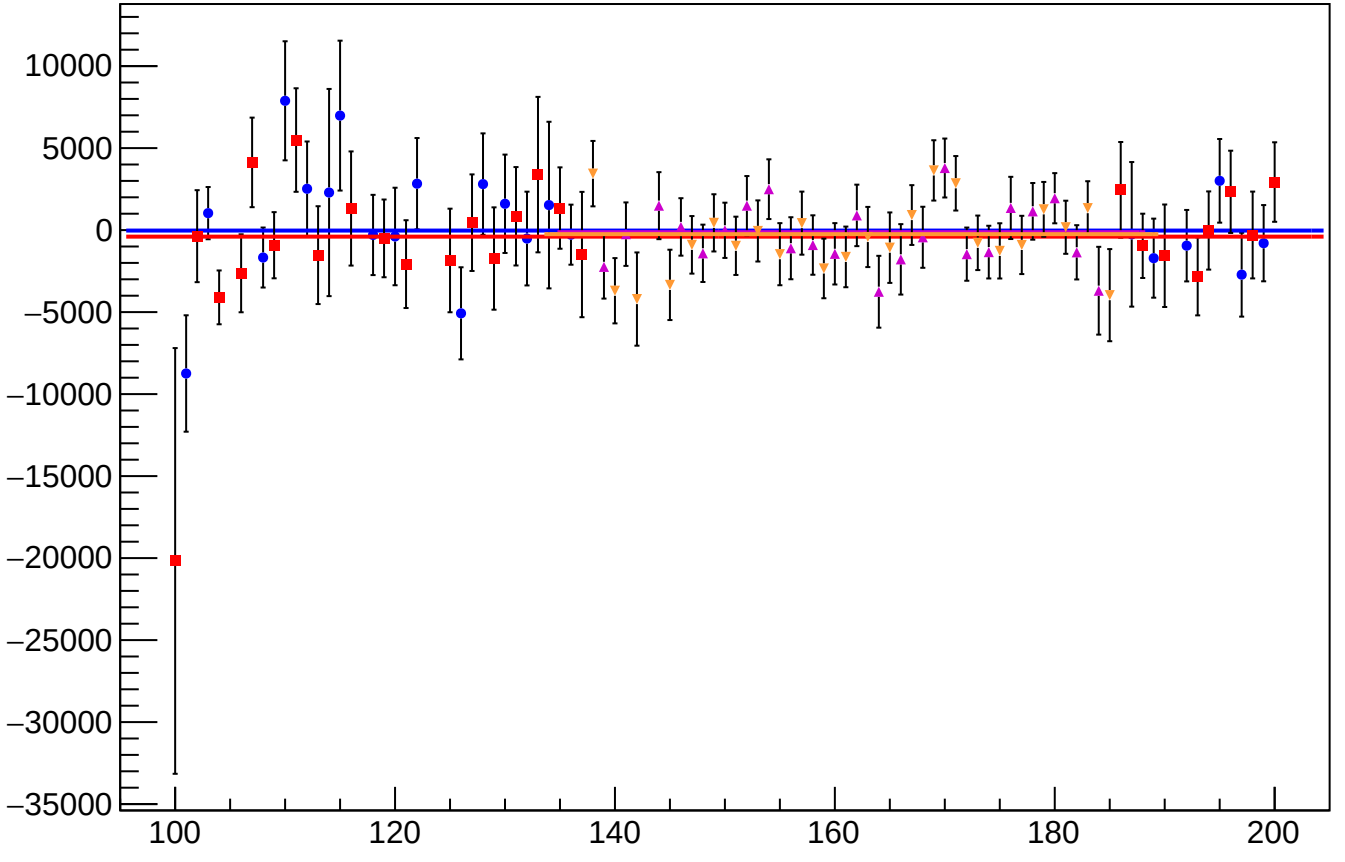
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 405.545+/-0.063 χ^2/NDF: 17622841.2/45

All: 406.287+/-0.044 χ^2/NDF: 36523895.2/94

- sign 407.005+/-0.062 χ^2/NDF: 18900780.3/48

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -28.038+/-560.869 χ^2/NDF: 24.2/21

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -398.078+/-521.015 χ^2/NDF: 22.6/25

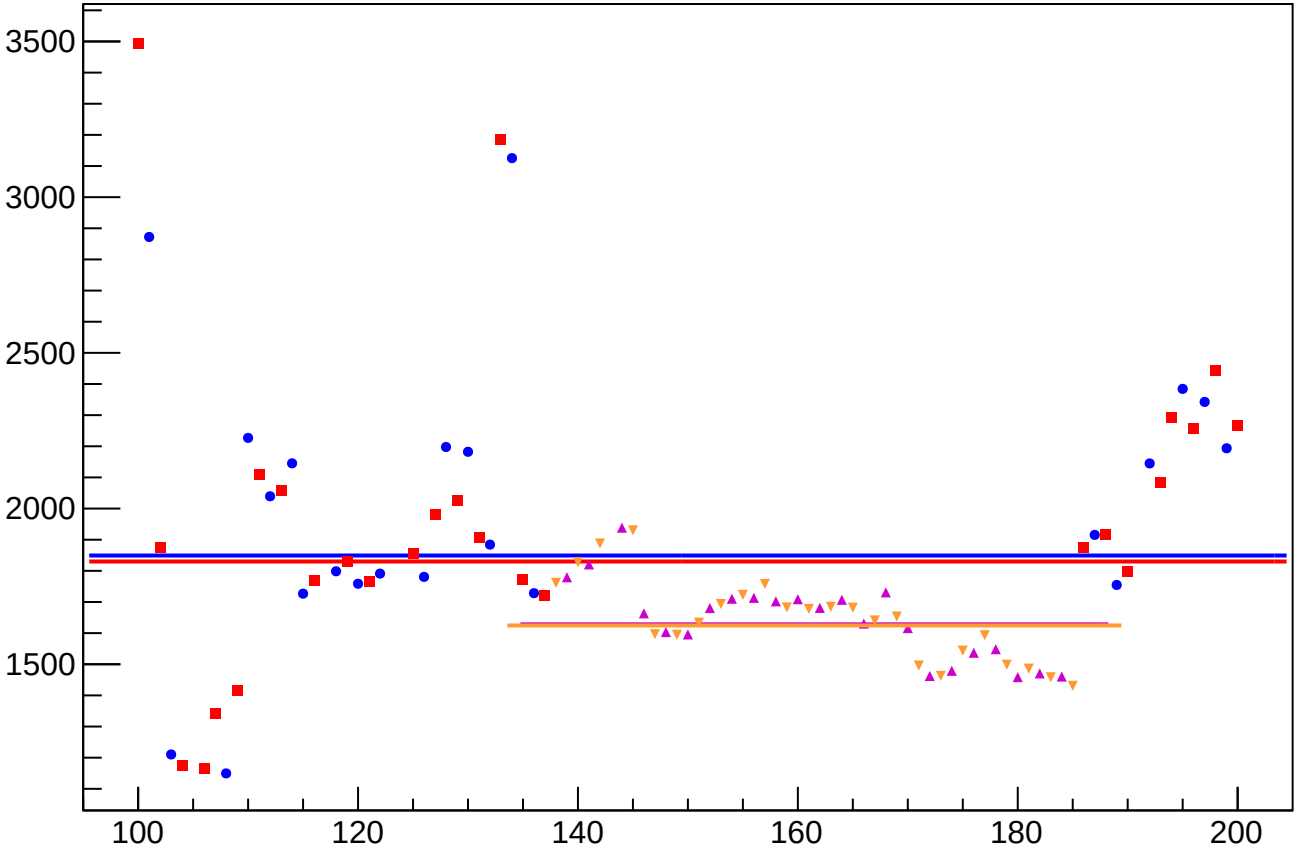
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -178.628+/-313.585 χ^2/NDF: 50.3/45

All: -200.201+/-219.629 χ^2/NDF: 94.3/94

- sign -220.972+/-307.704 χ^2/NDF: 43.9/48

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1849.261+/-0.397 χ^2/NDF: 1253857.6/21

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

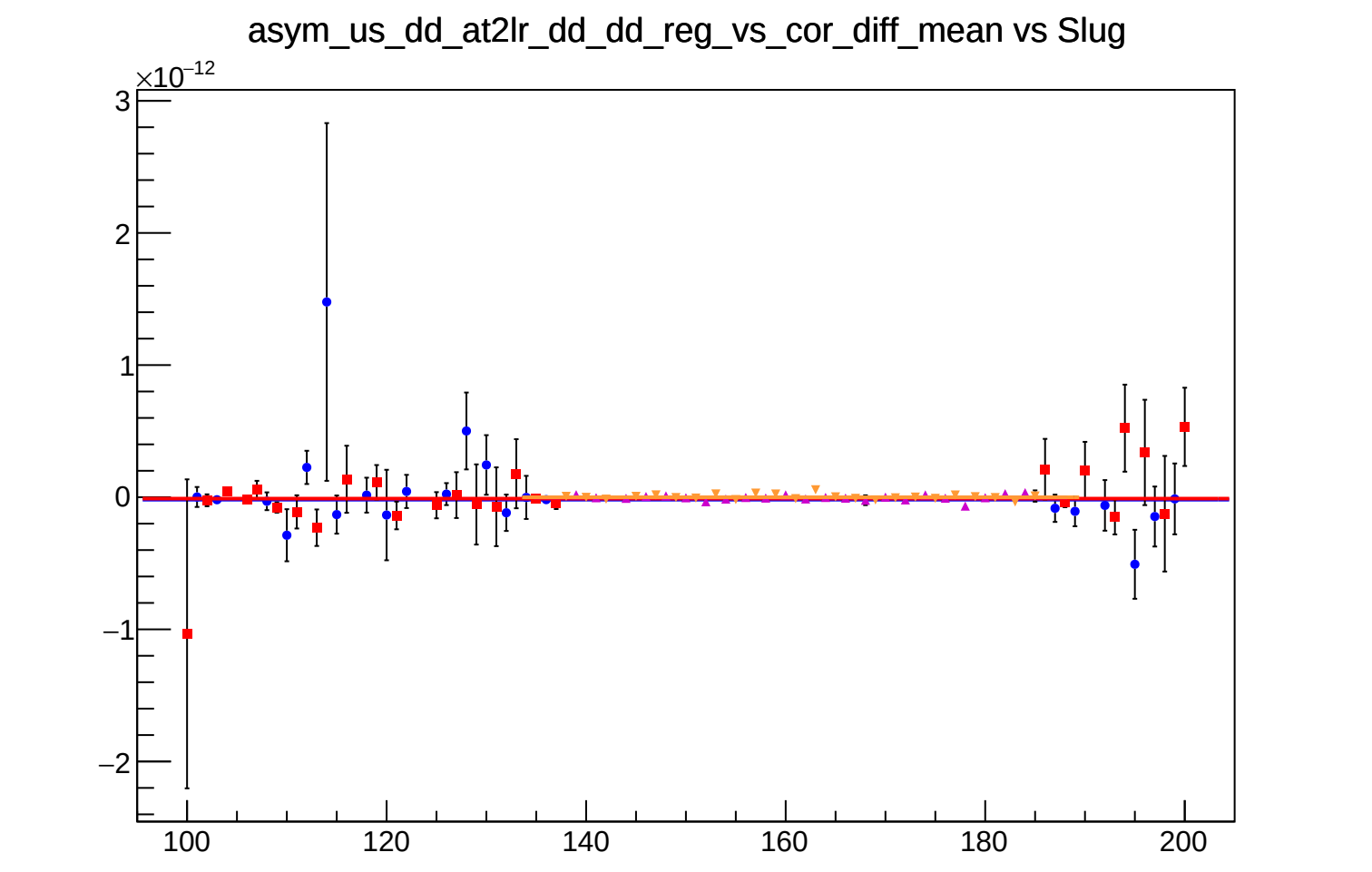
Right Out: 1830.012+/-0.368 χ^2/NDF: 1199065.8/25

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1694.838+/-0.222 χ^2/NDF: 1681670.0/45

All: 1696.757+/-0.155 χ^2/NDF: 3281132.8/94

- sign 1698.604+/-0.218 χ^2/NDF: 1599315.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

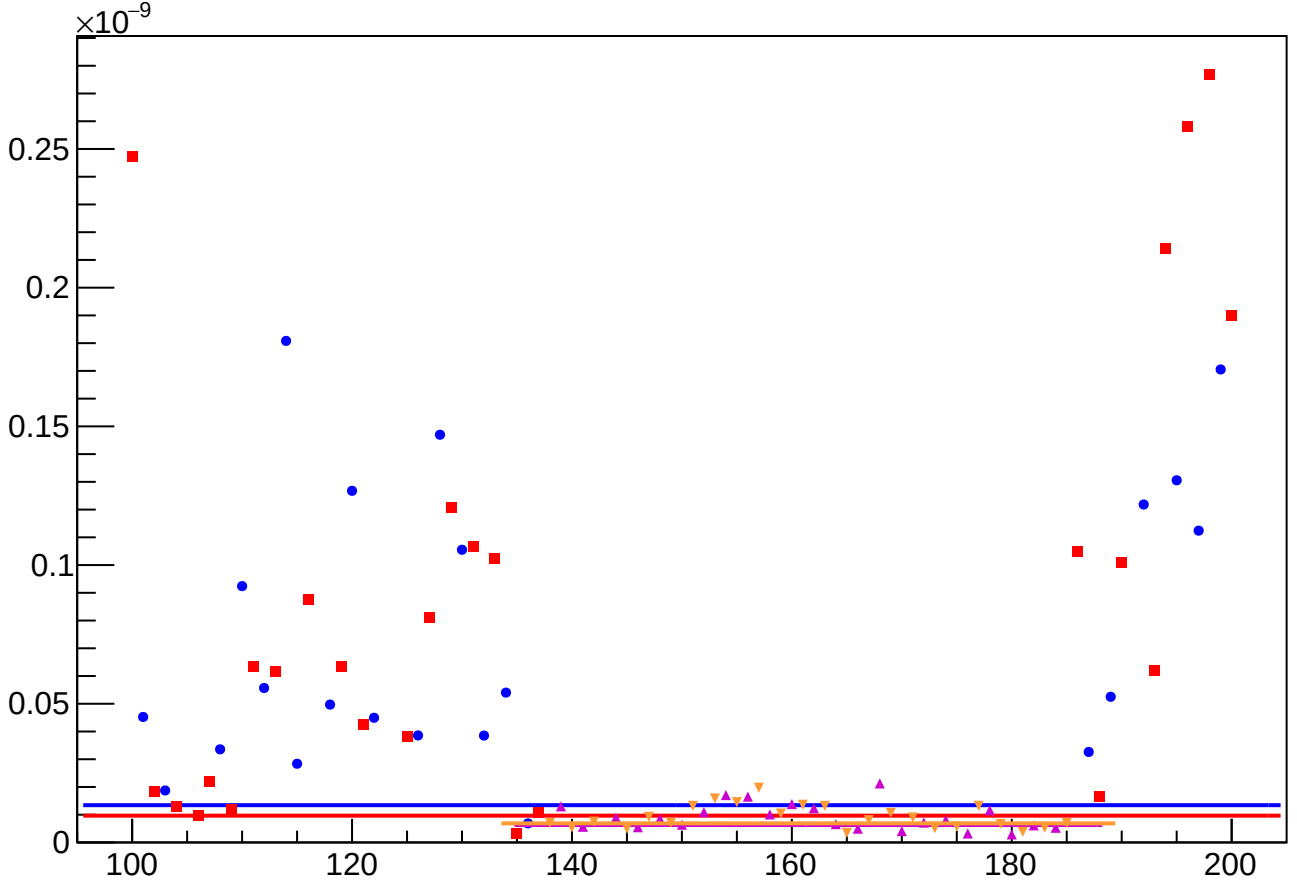
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/25

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/45

All: -0.000+/-0.000 χ^2/NDF: 95.8/94

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 5882978.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

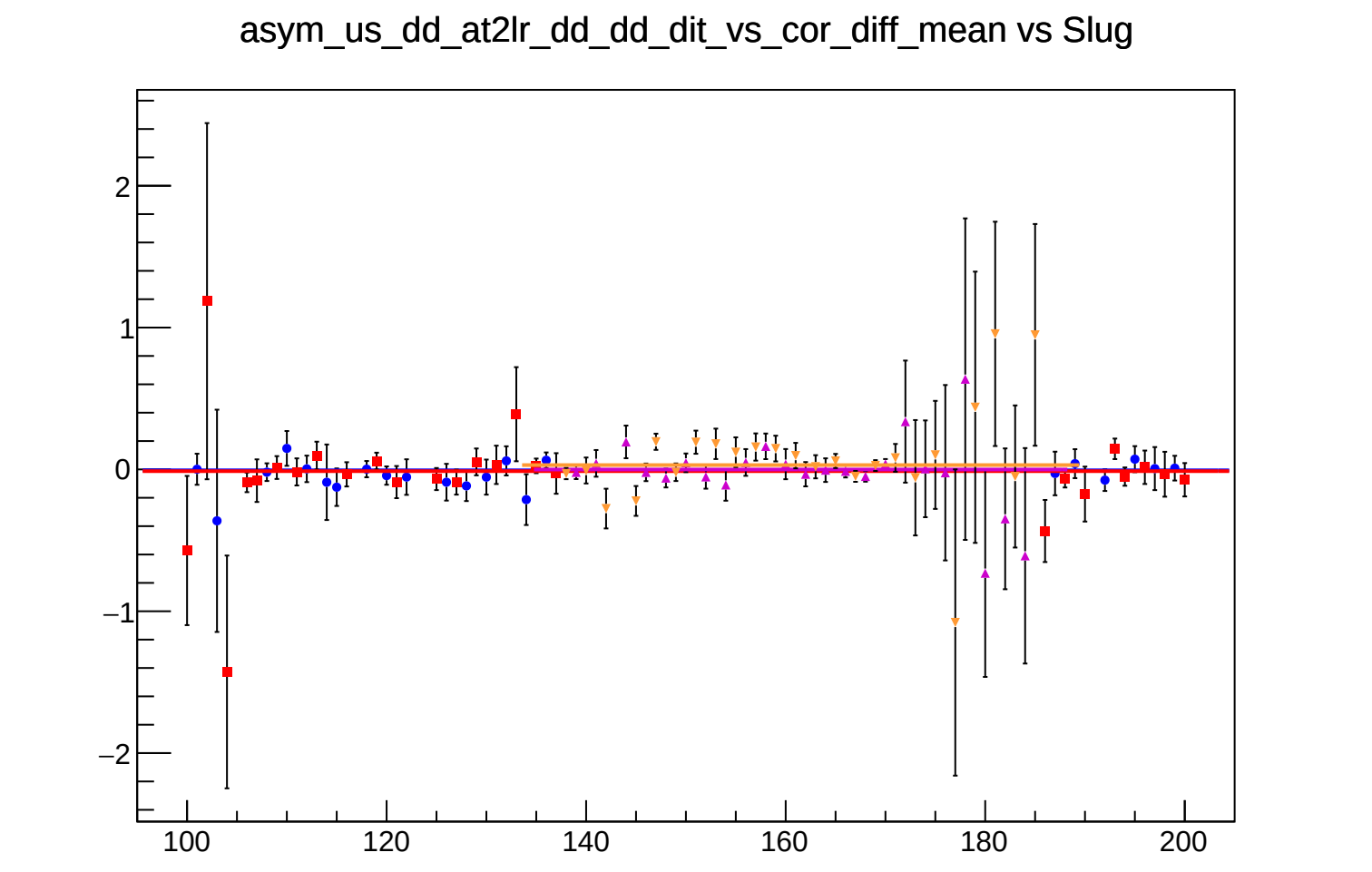
Right Out: 0.000+/-0.000 χ^2/NDF: 7680428.7/25

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8913016.4/45

All: 0.000+/-0.000 χ^2/NDF: 19853132.0/94

- sign 0.000+/-0.000 χ^2/NDF: 10858392.8/48



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

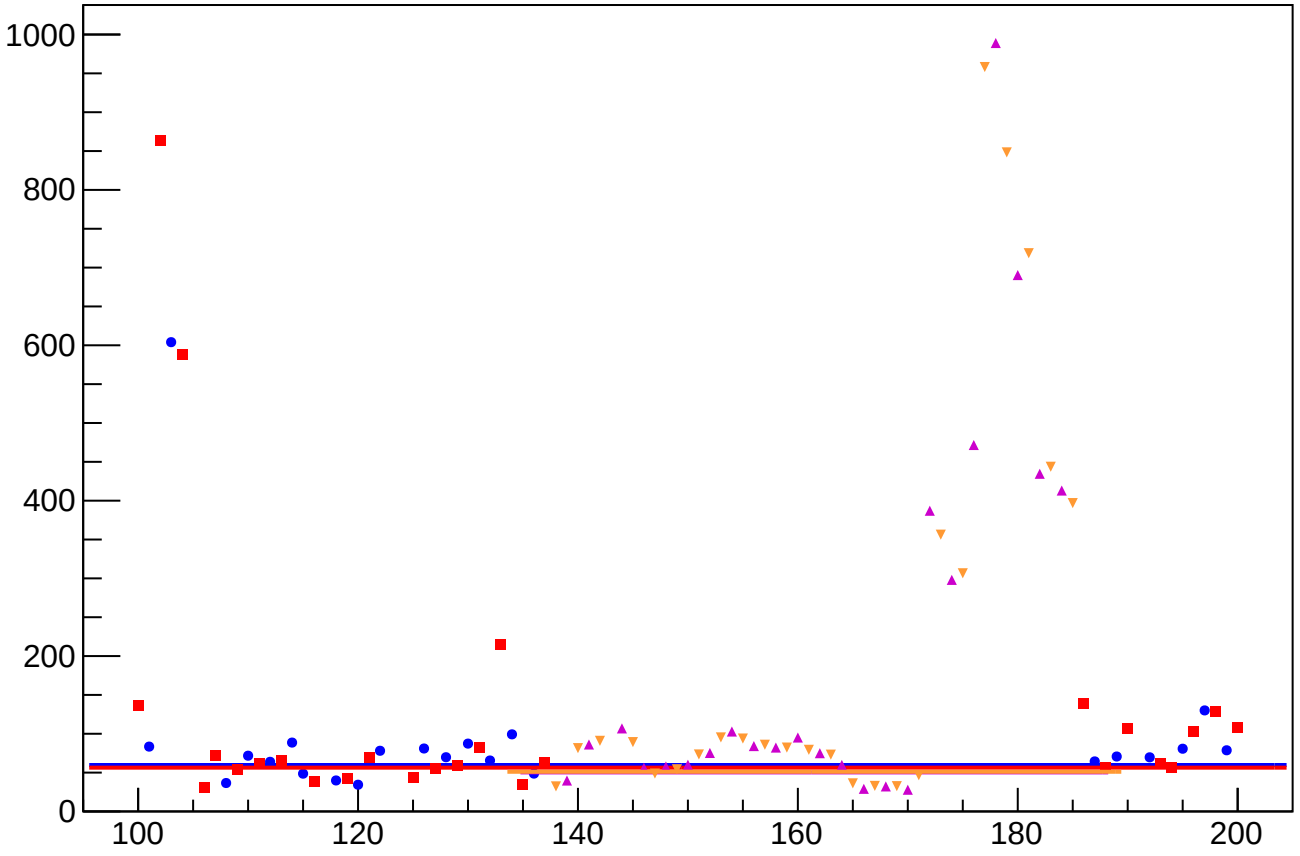
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.005+/-0.008 χ^2/NDF: 96.2/94

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

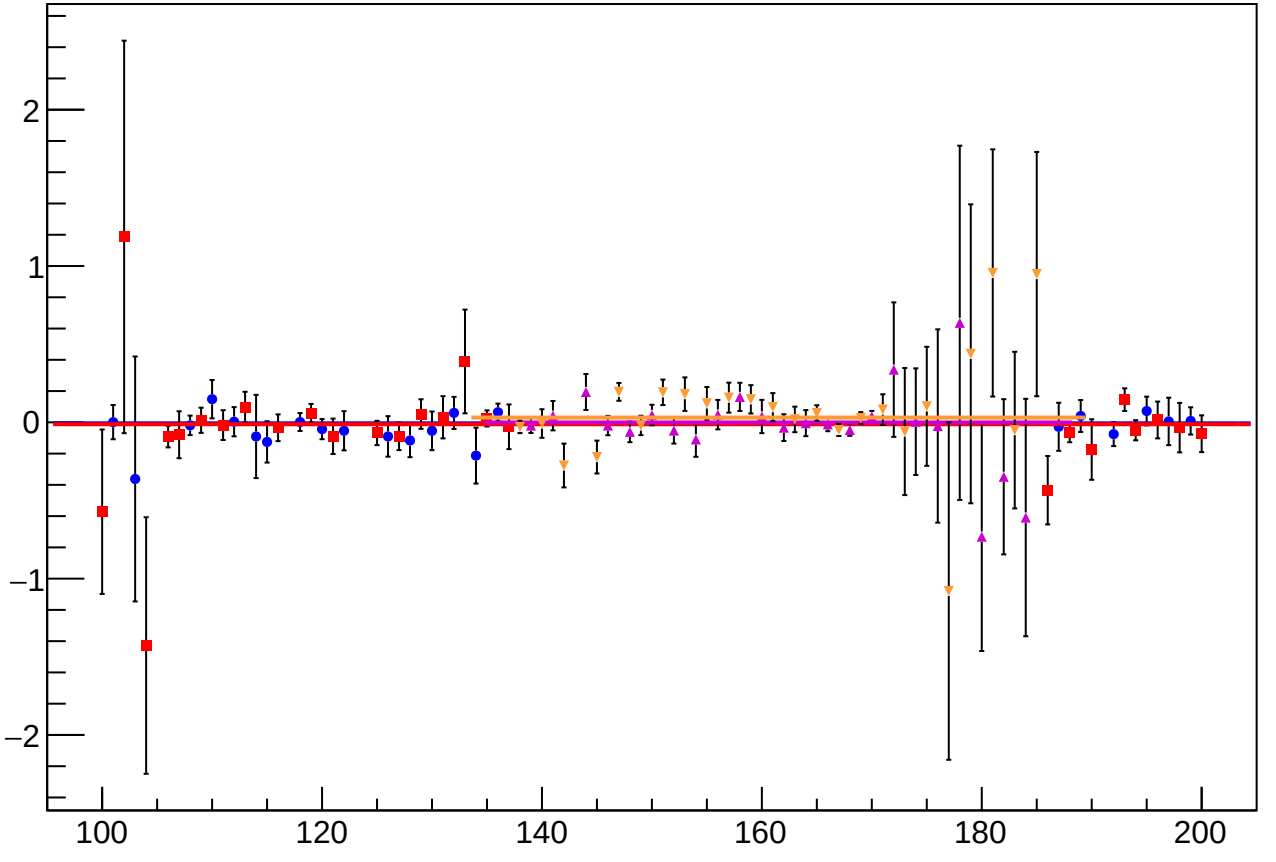
Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.318+/-0.009 χ^2/NDF: 15001000.3/45

All: 53.499+/-0.006 χ^2/NDF: 32113145.7/94

- sign 52.748+/-0.008 χ^2/NDF: 17095027.4/48

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

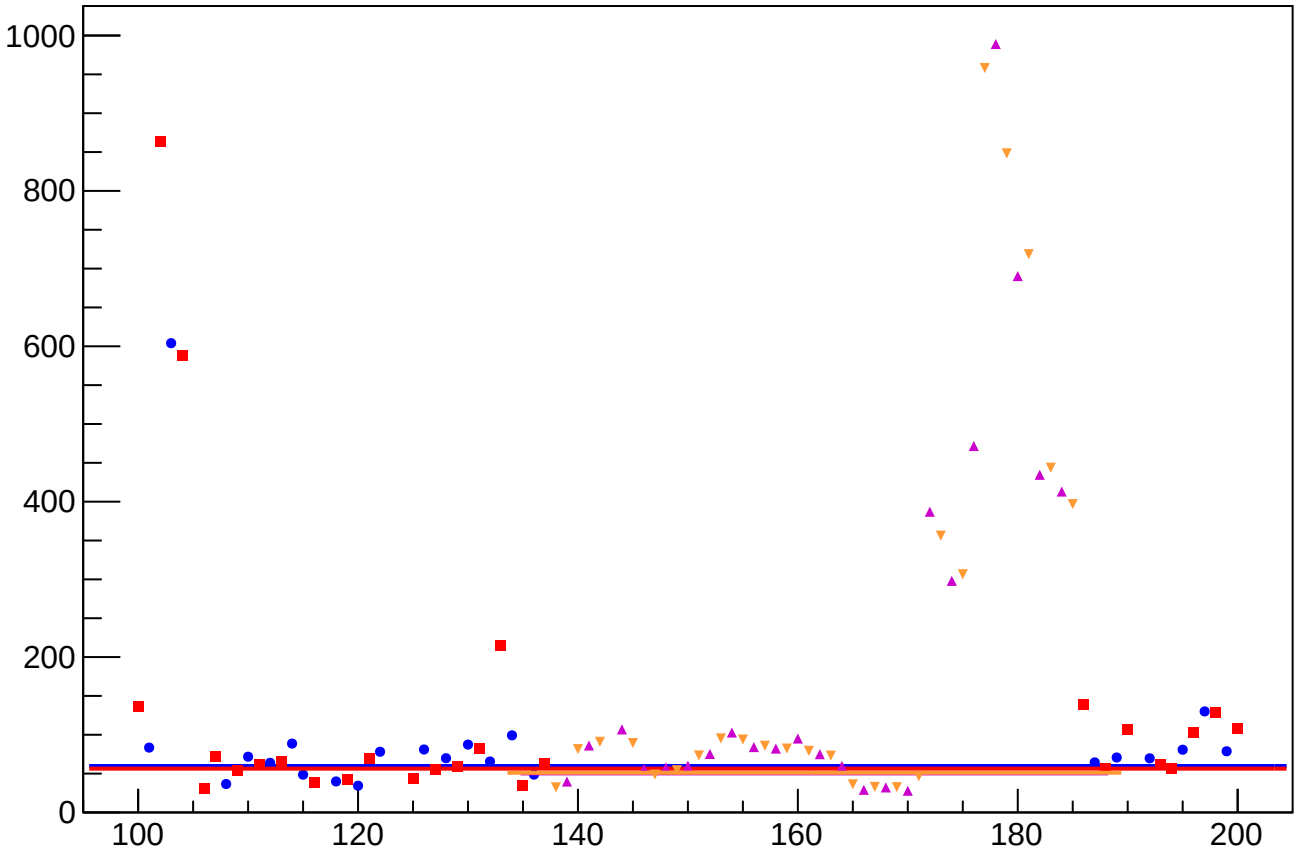
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.005+/-0.008 χ^2/NDF: 96.2/94

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

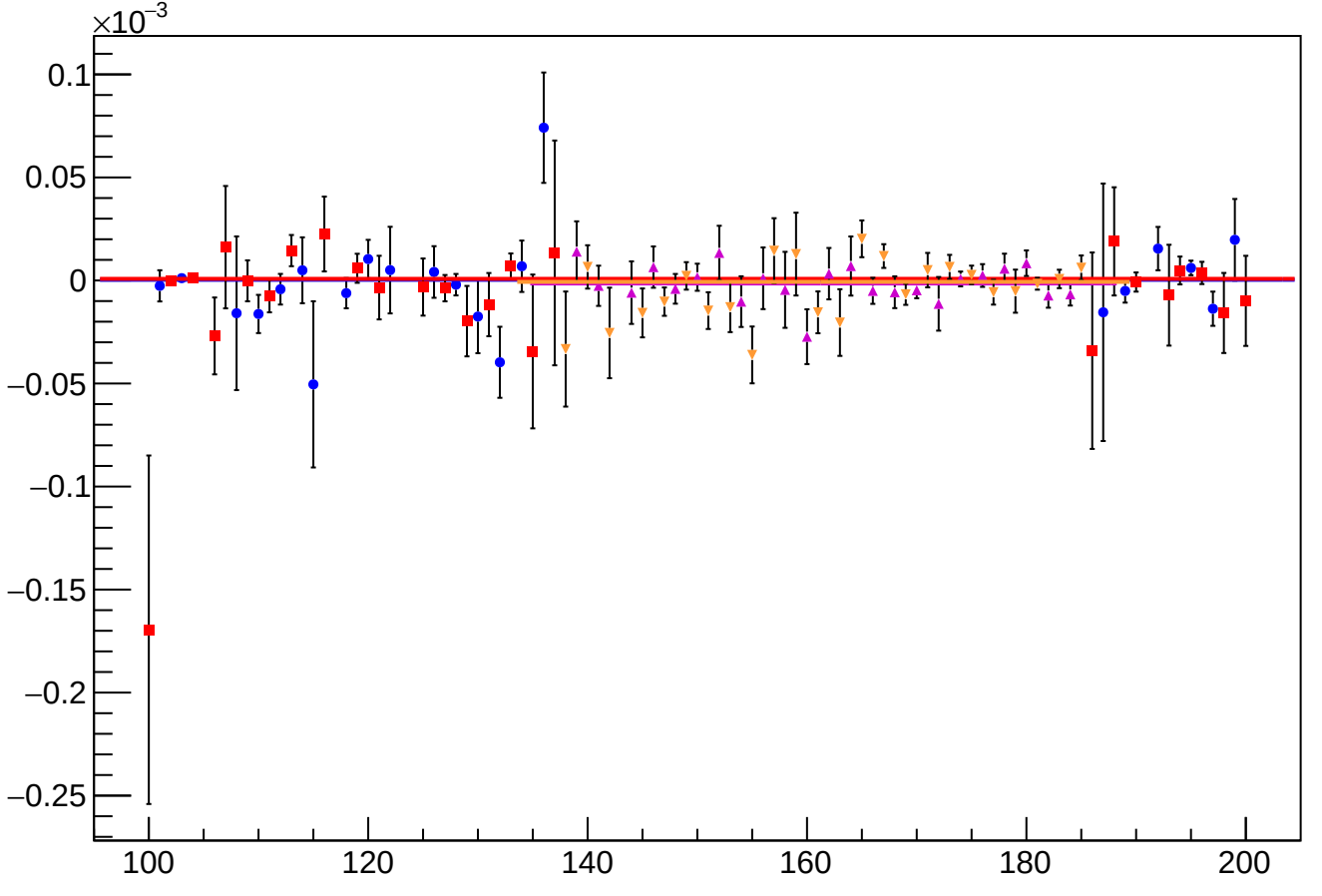
Right Out: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.318+/-0.009 χ^2/NDF: 15001000.3/45

All: 53.499+/-0.006 χ^2/NDF: 32113145.7/94

- sign 52.748+/-0.008 χ^2/NDF: 17095027.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

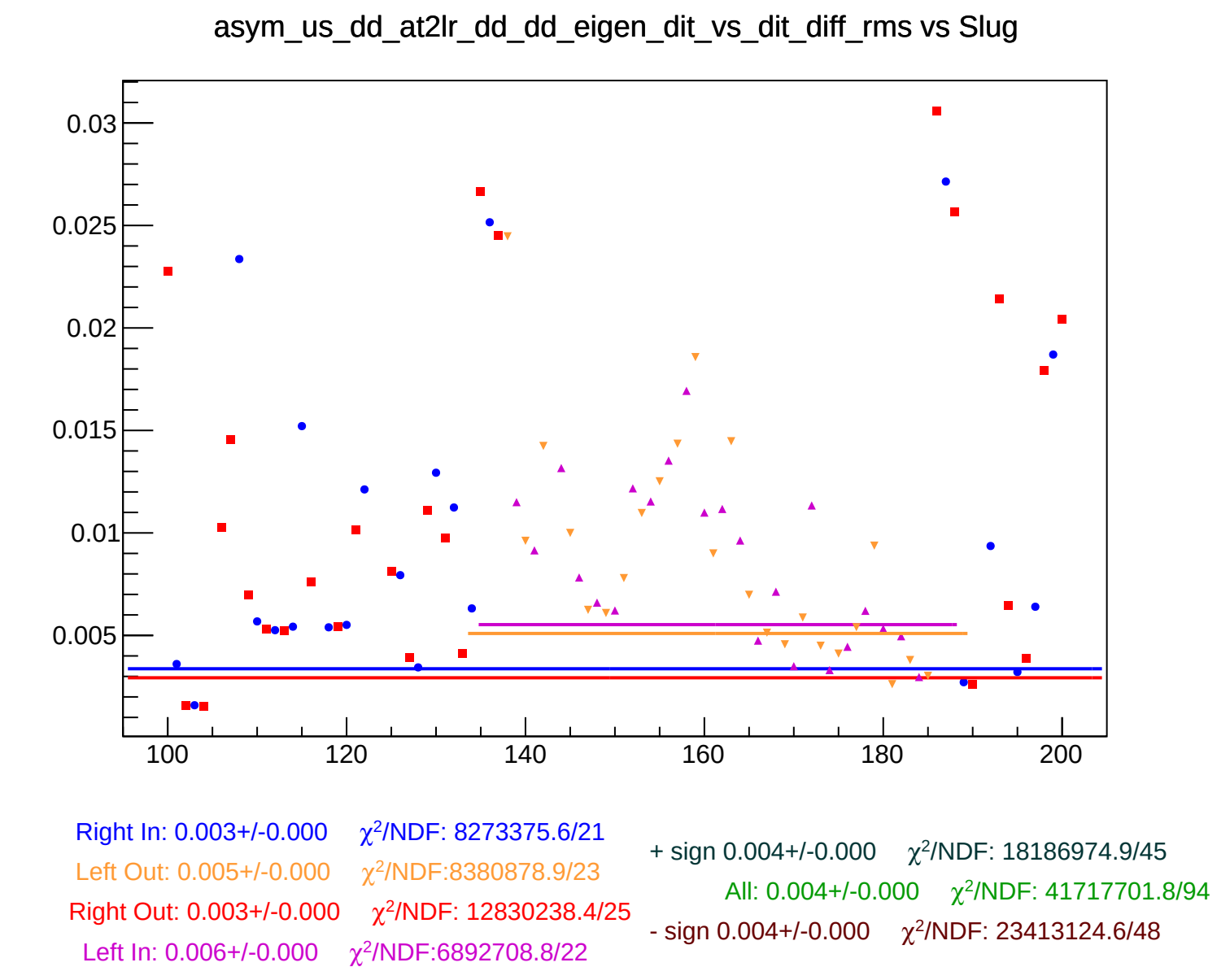
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/25

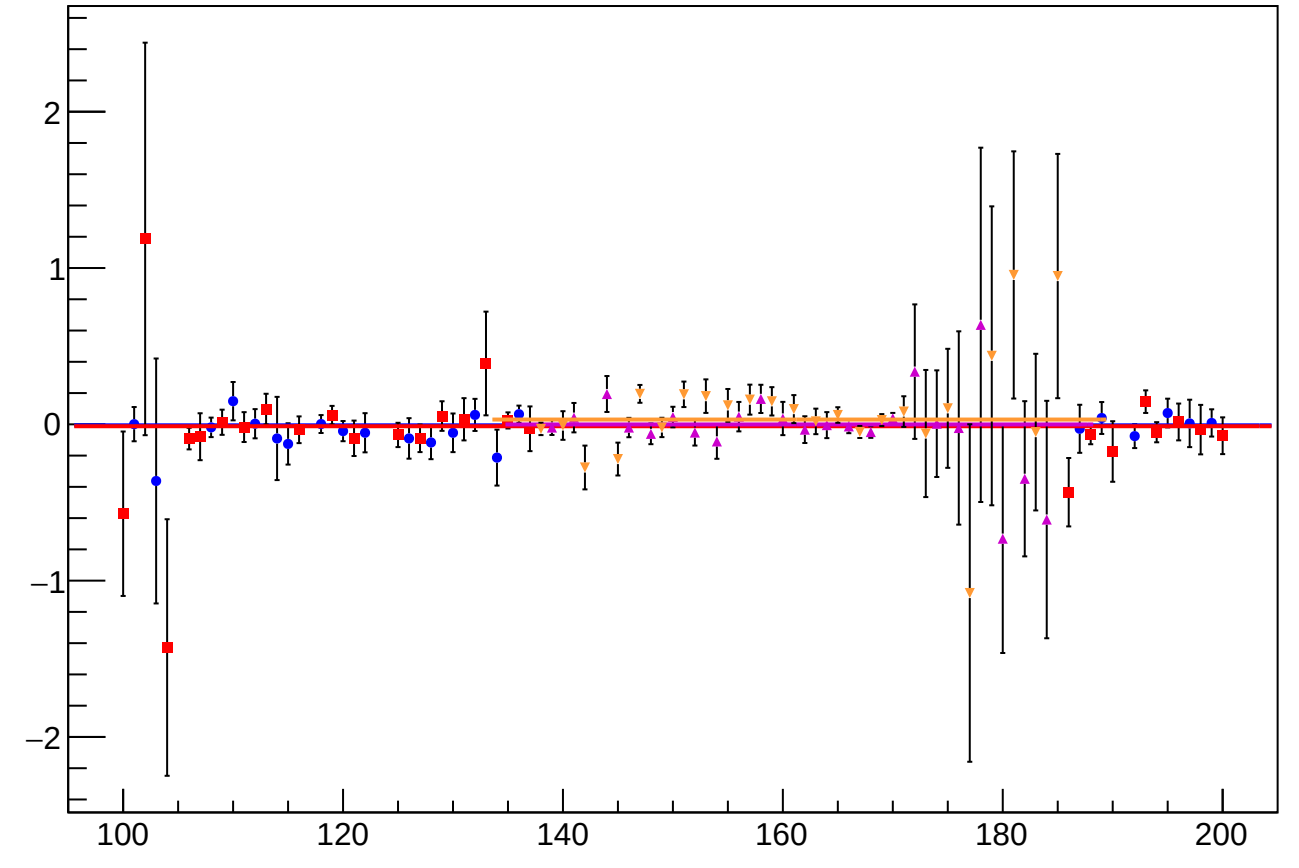
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.6/45

All: -0.000+/-0.000 χ^2/NDF: 109.1/94

- sign -0.000+/-0.000 χ^2/NDF: 38.5/48


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 8273375.6/21
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 12830238.4/25
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 18186974.9/45
All: 0.004+/-0.000 χ²/NDF: 41717701.8/94
- sign 0.004+/-0.000 χ²/NDF: 23413124.6/48



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

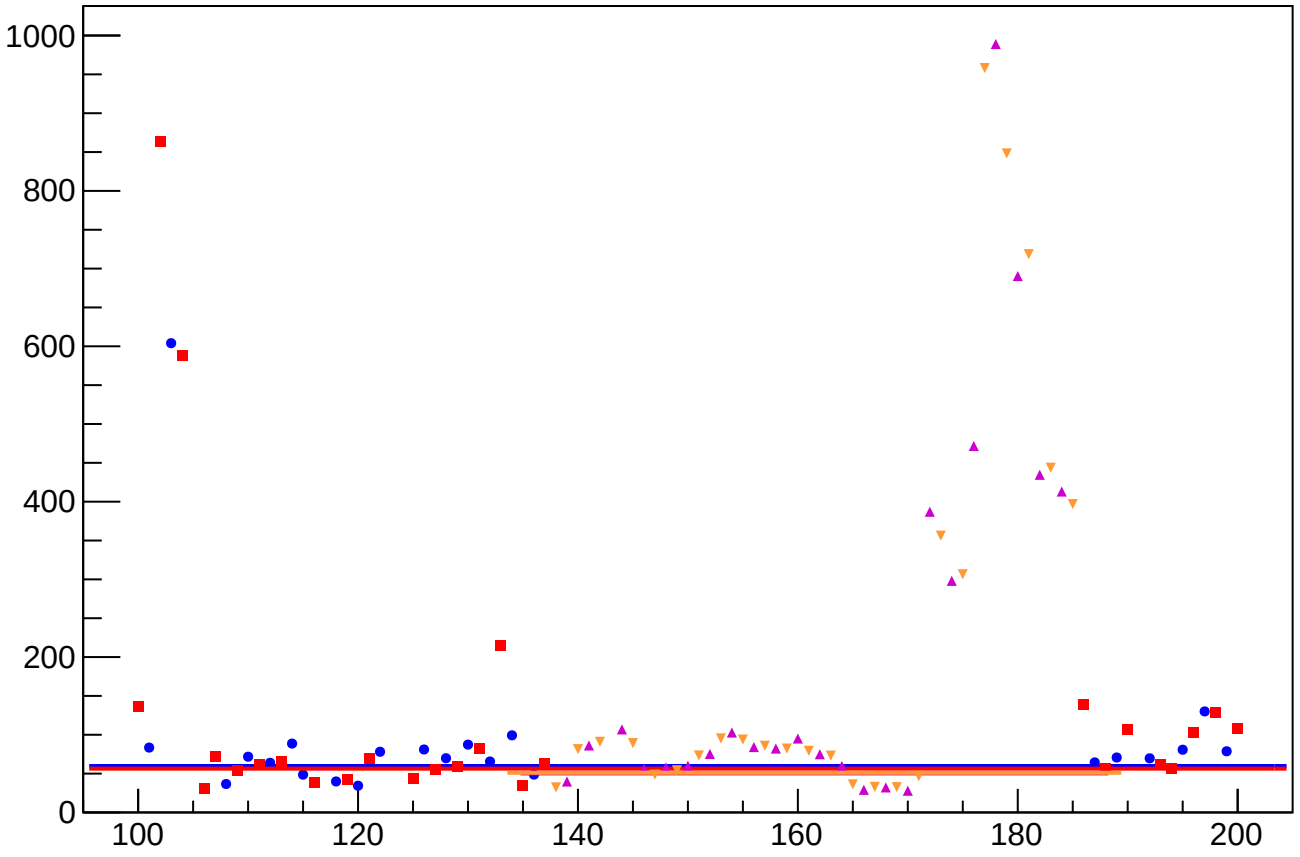
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.005+/-0.008 χ^2/NDF: 96.2/94

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

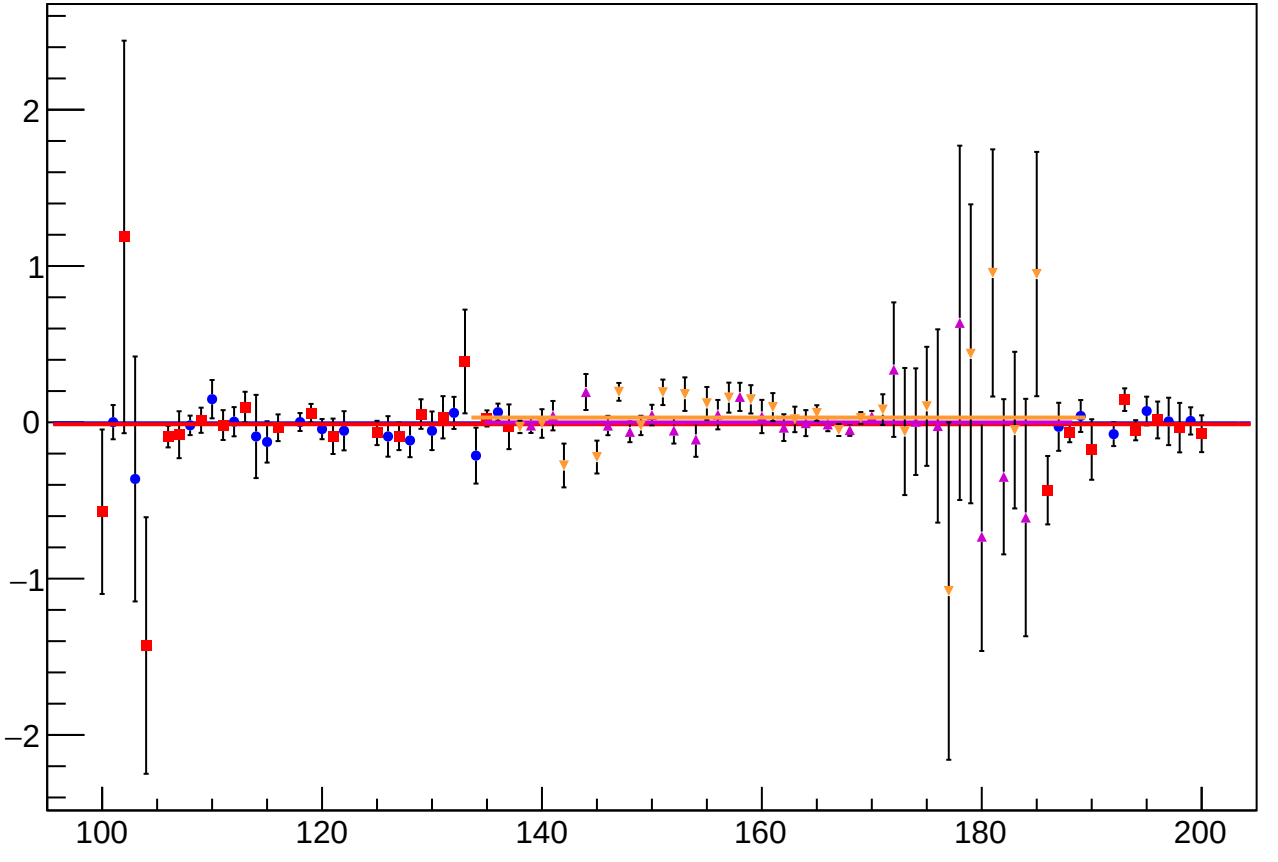
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.321+/-0.009 χ^2/NDF: 14999635.9/45

All: 53.501+/-0.006 χ^2/NDF: 32111566.1/94

- sign 52.749+/-0.008 χ^2/NDF: 17094772.5/48

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

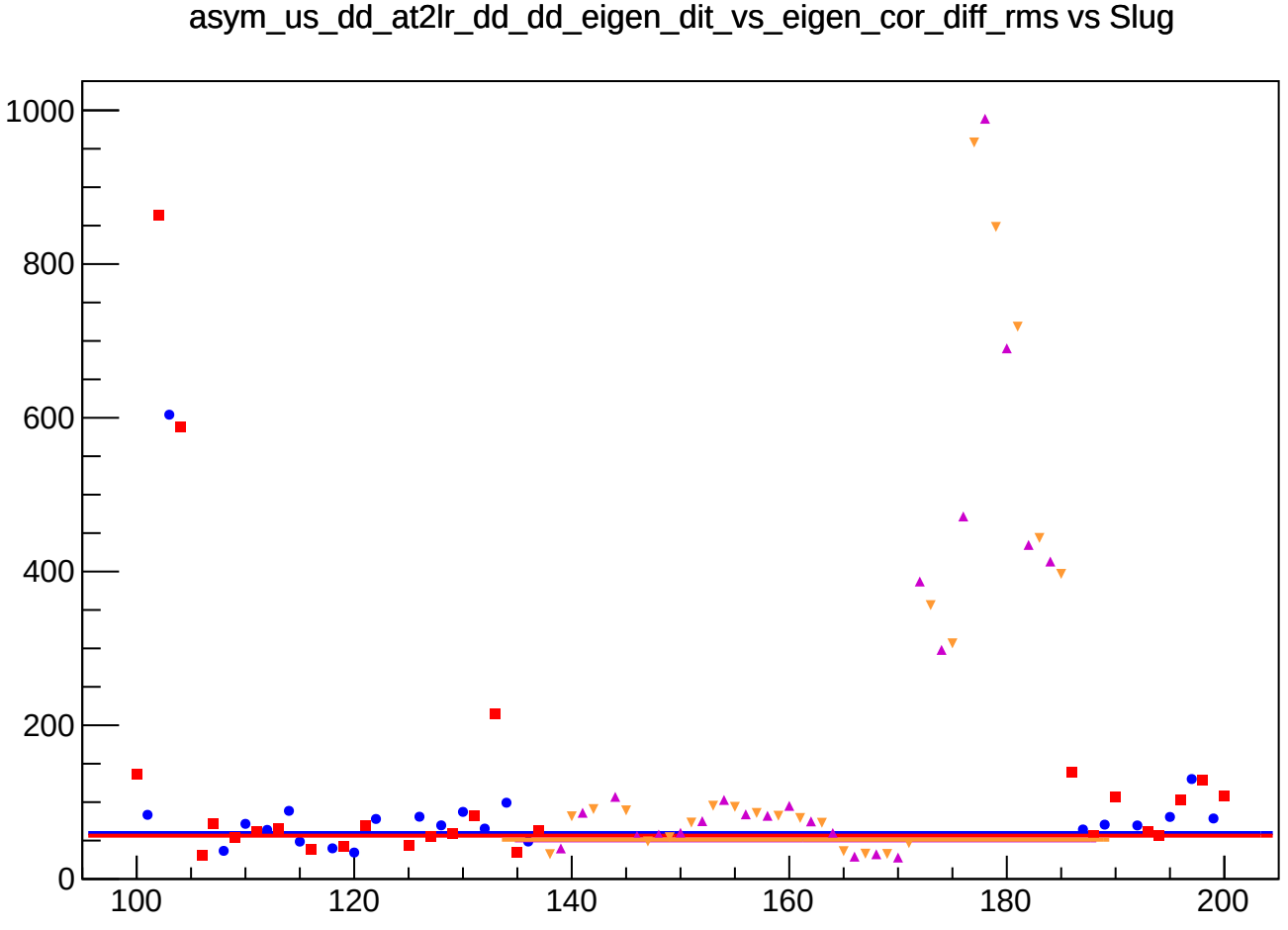
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.005+/-0.008 χ^2/NDF: 96.2/94

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

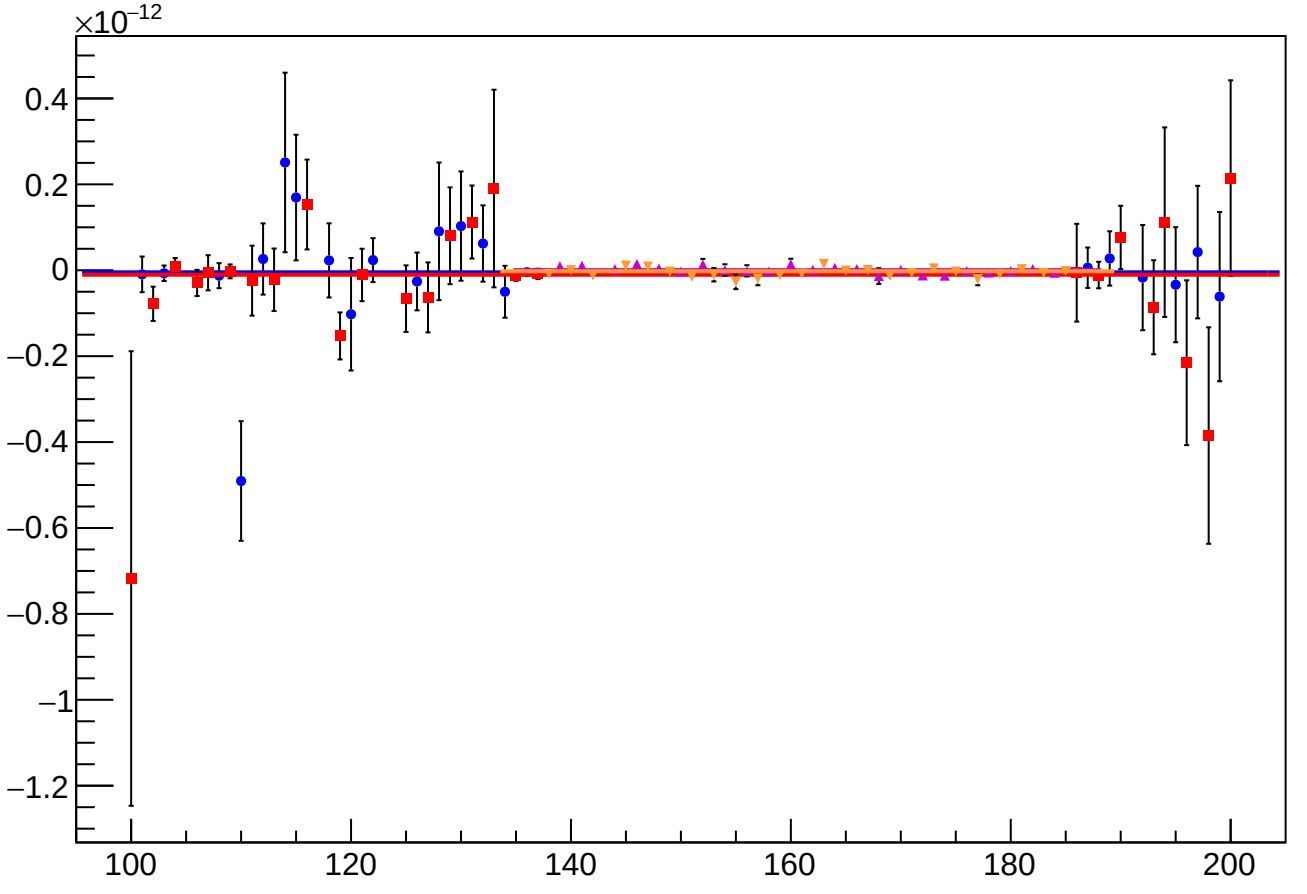
Right Out: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 54.321+/-0.009 χ^2/NDF: 14999635.9/45

All: 53.501+/-0.006 χ^2/NDF: 32111566.1/94

\- sign 52.749+/-0.008 χ^2/NDF: 17094772.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

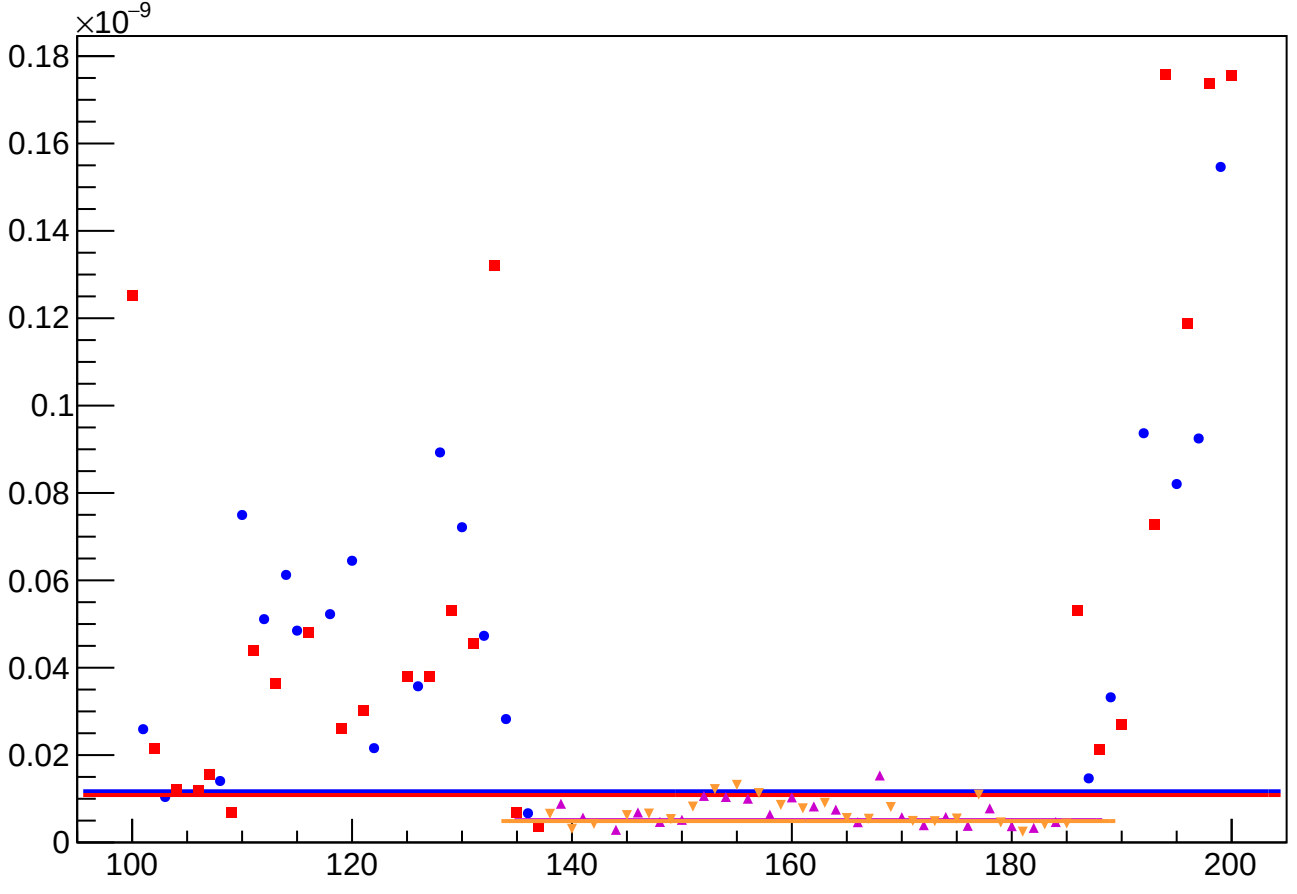
Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/25

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/45

All: -0.000+/-0.000 χ^2/NDF: 89.9/94

- sign -0.000+/-0.000 χ^2/NDF: 47.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 7894856.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8993534.1/25

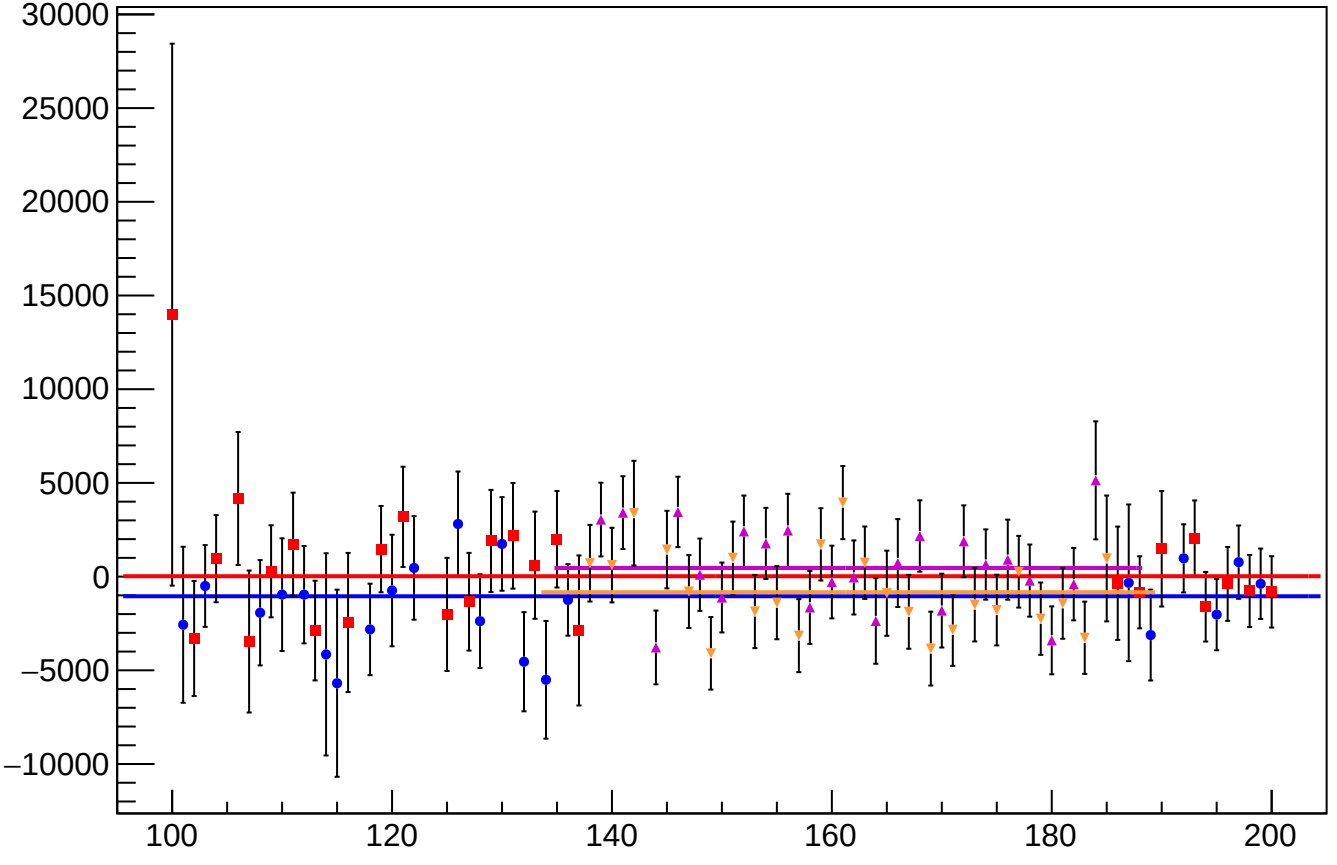
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14177740.5/45

All: 0.000+/-0.000 χ^2/NDF: 28553627.5/94

- sign 0.000+/-0.000 χ^2/NDF: 14355132.7/48

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.464+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 20.717+/-502.599 χ^2/NDF: 13.8/25

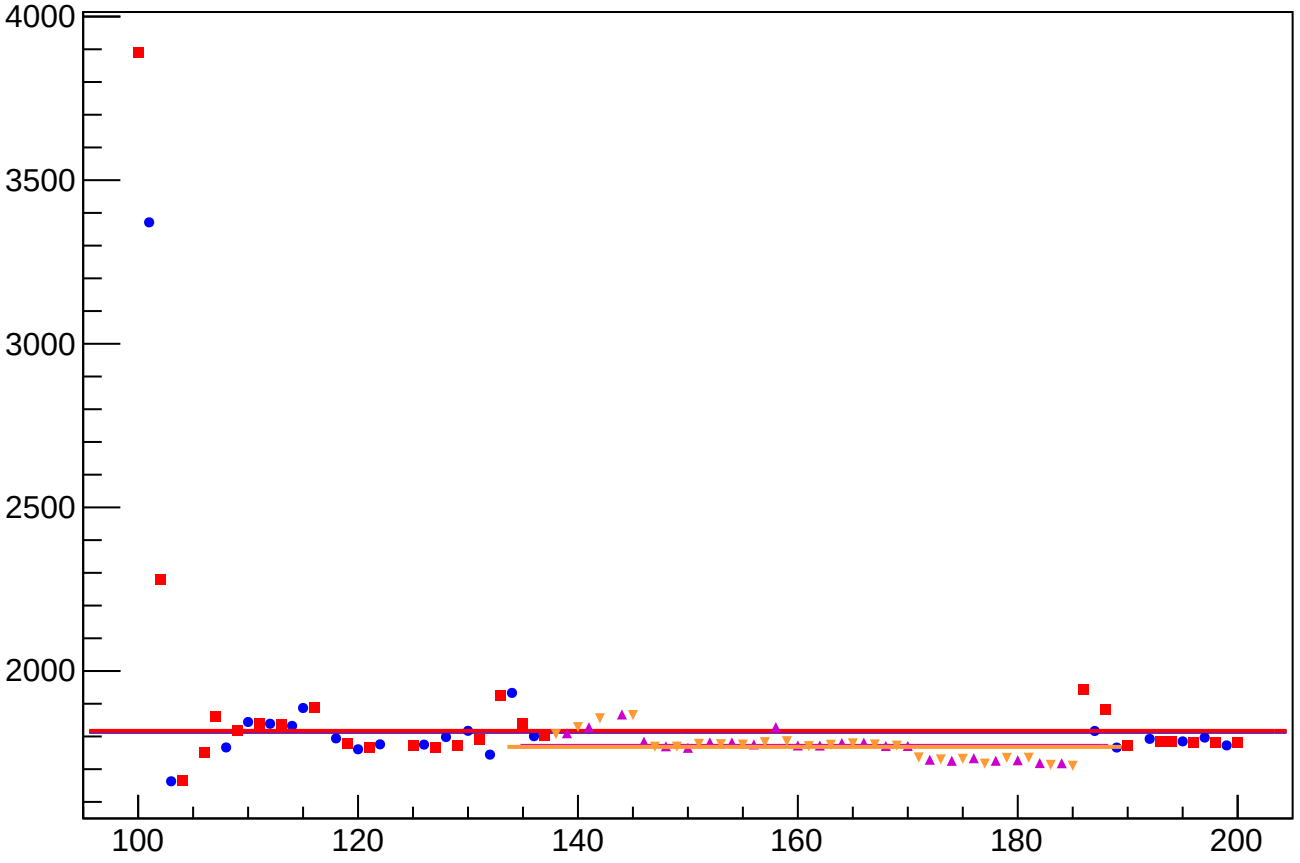
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -912.028+/-326.298 χ^2/NDF: 38.3/45

All: -302.037+/-228.243 χ^2/NDF: 86.7/94

- sign 282.370+/-319.383 χ^2/NDF: 41.6/48

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299599.1/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

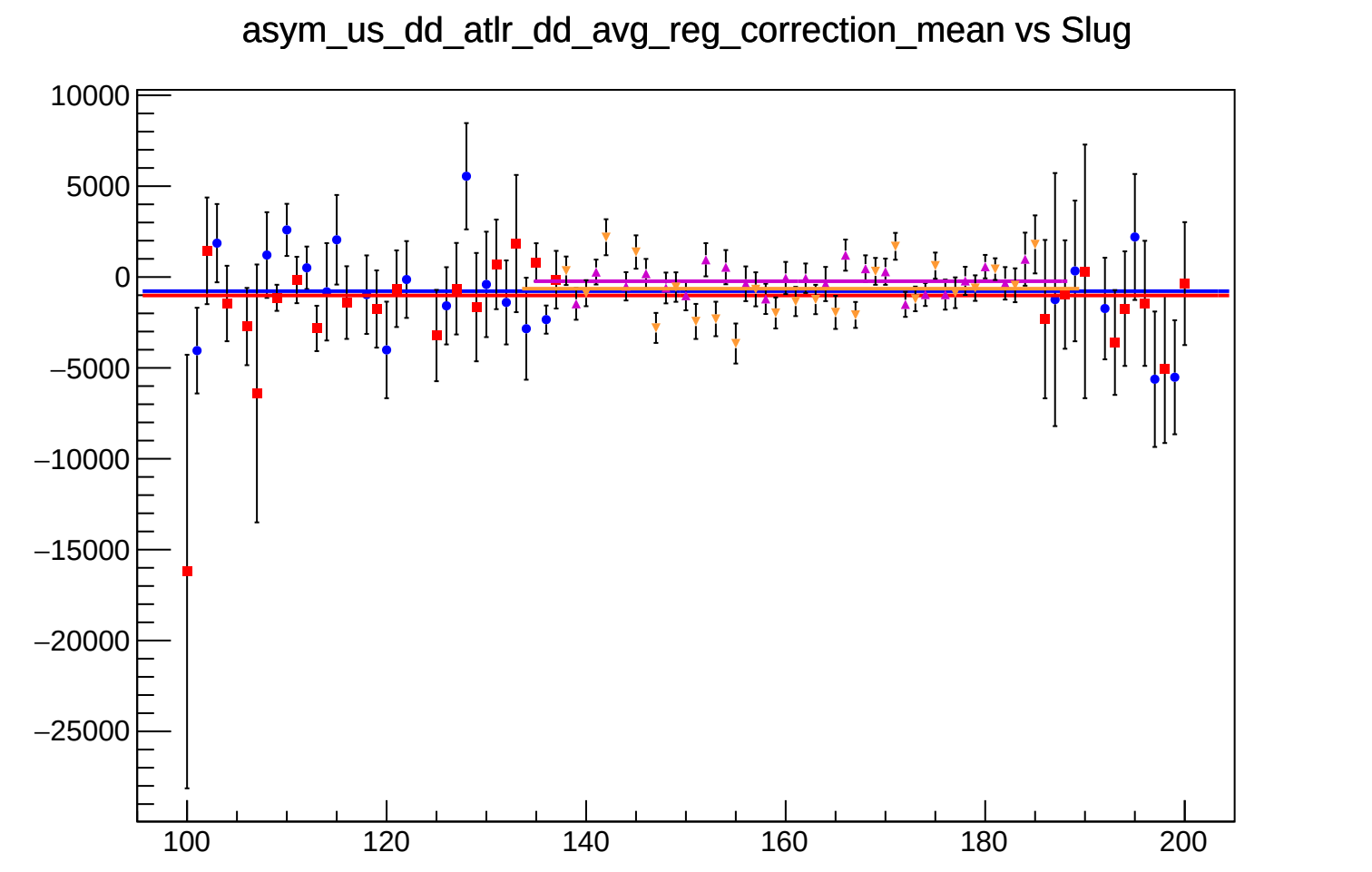
Right Out: 1817.024+/-0.355 χ^2/NDF: 112852.1/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325290.8/45

All: 1787.474+/-0.161 χ^2/NDF: 464674.2/94

- sign 1789.715+/-0.226 χ^2/NDF: 139182.2/48



Right In: -776.971+/-423.046 χ^2/NDF: 28.2/21

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -1014.622+/-375.302 χ^2/NDF: 13.6/25

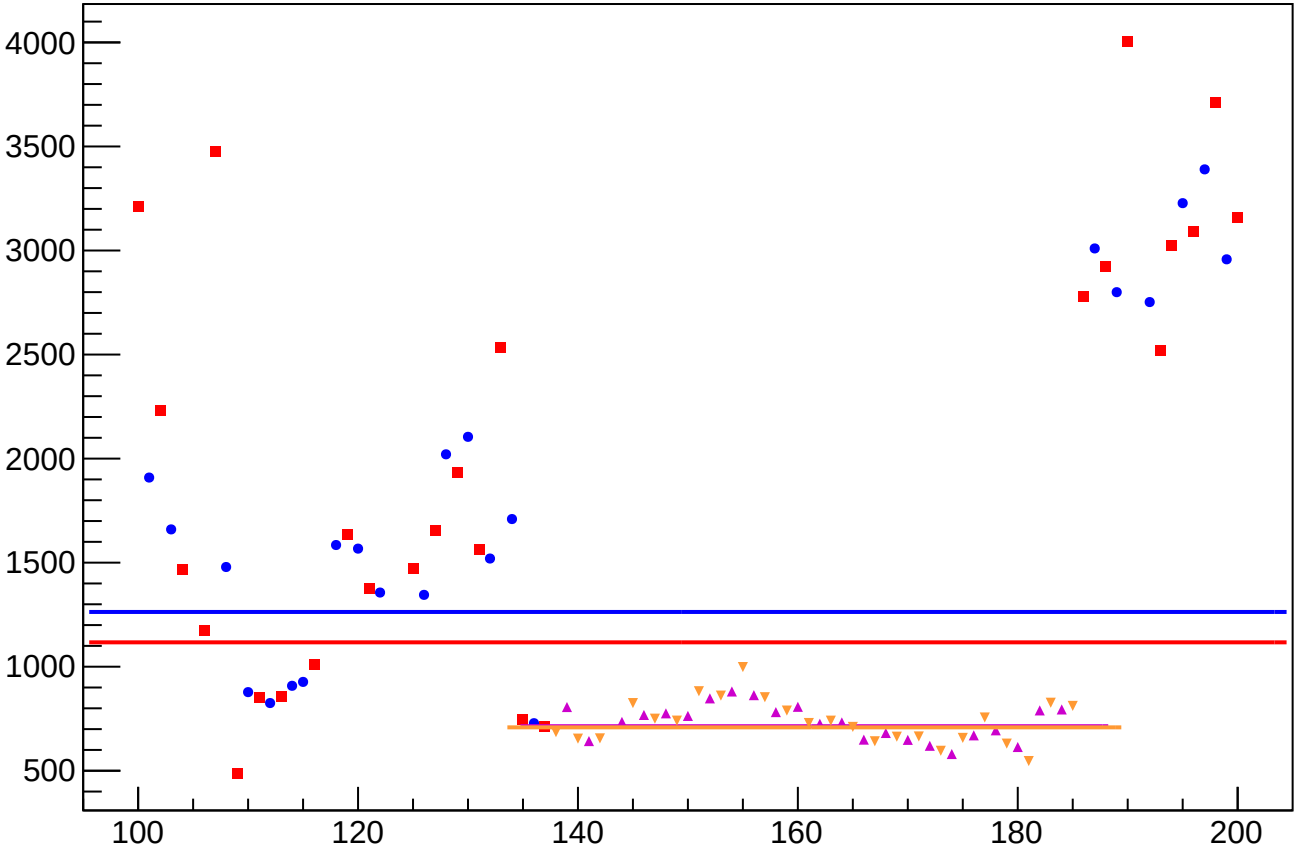
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -659.252+/-154.891 χ^2/NDF: 95.0/45

All: -509.331+/-109.058 χ^2/NDF: 134.1/94

- sign -361.936+/-153.581 χ^2/NDF: 37.2/48

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1263.066+/-0.299 χ^2/NDF: 5025685.8/21

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1117.054+/-0.265 χ^2/NDF: 8282089.4/25

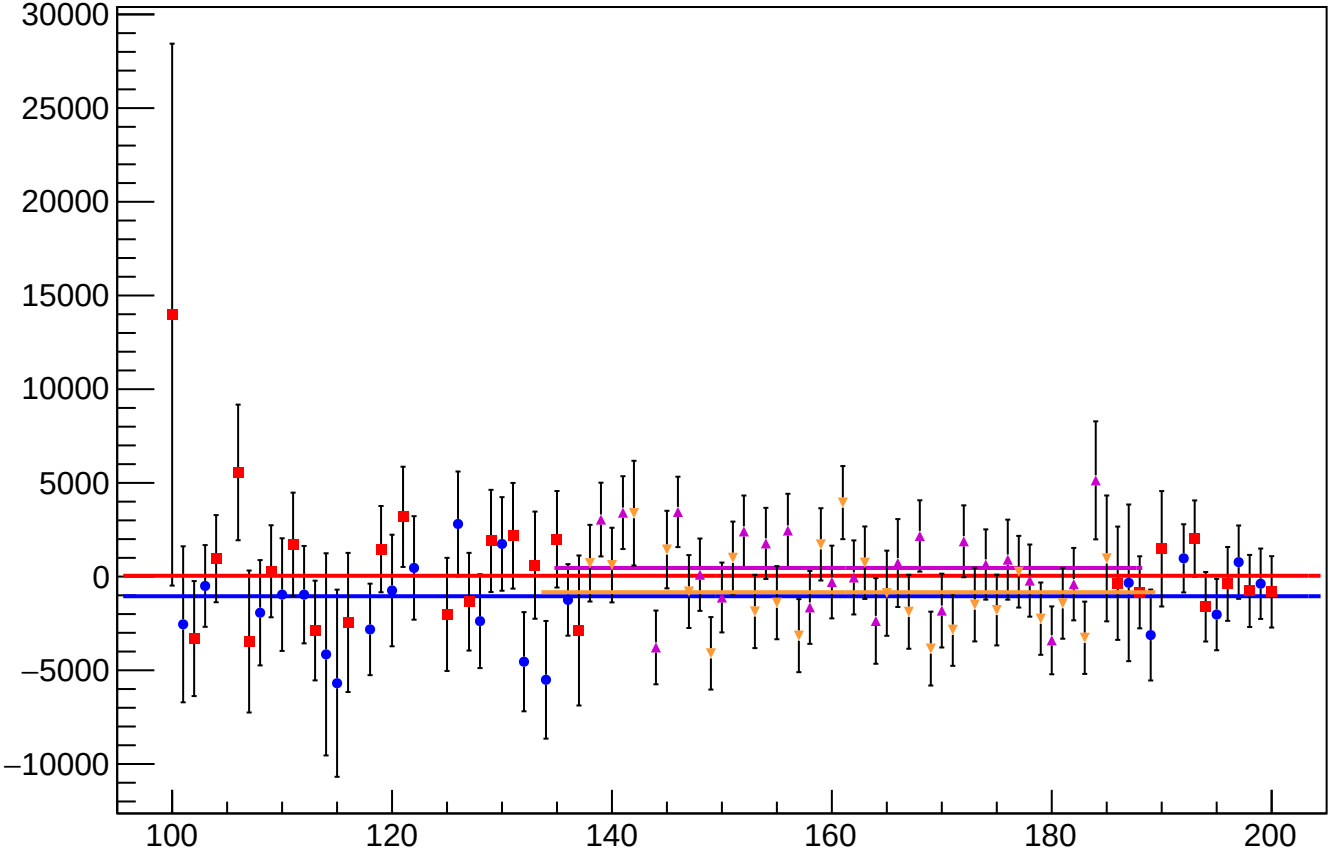
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

\+ sign 782.844+/-0.110 χ^2/NDF: 8702272.1/45

All: 782.232+/-0.077 χ^2/NDF: 19400564.6/94

\- sign 781.630+/-0.109 χ^2/NDF: 10698230.6/48

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 44.025+/-502.806 χ^2/NDF: 14.8/25

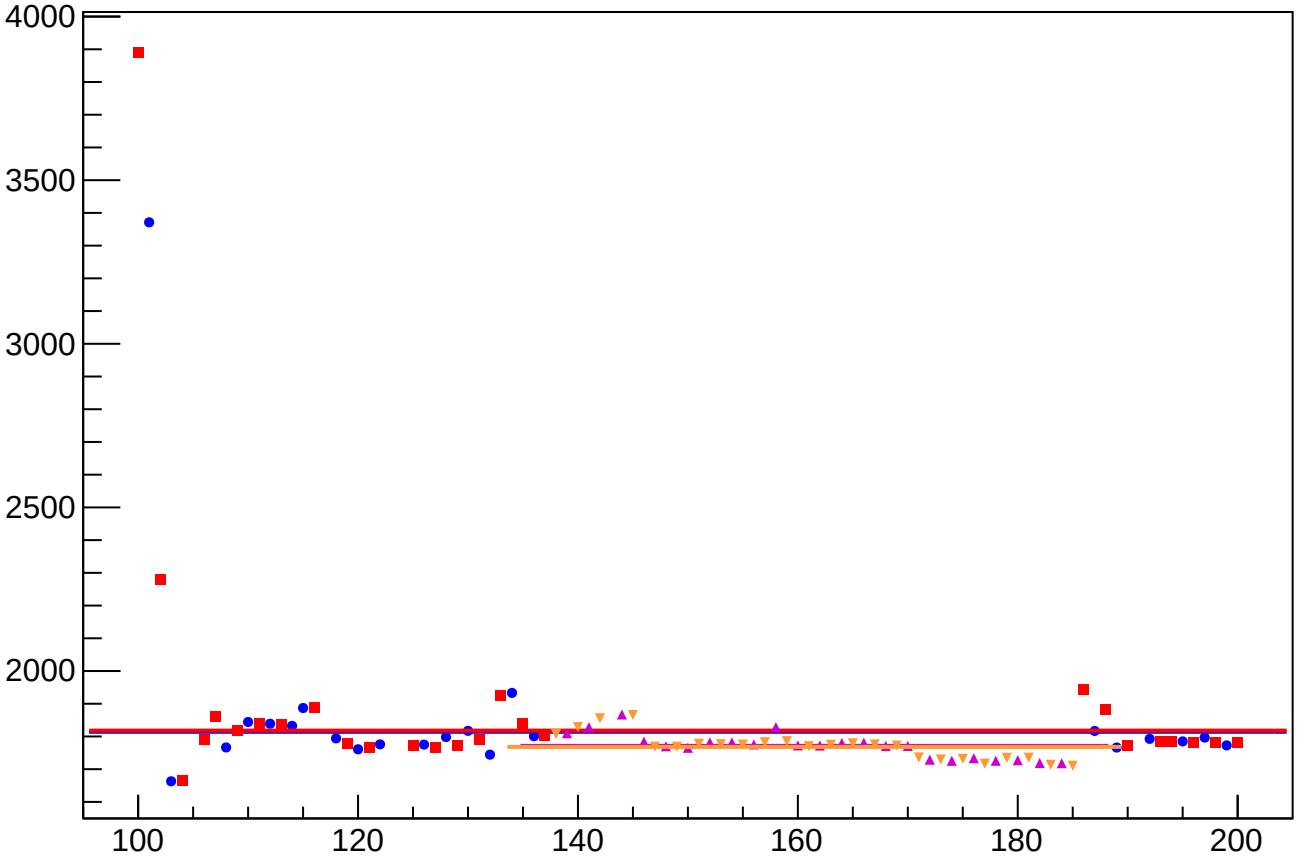
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -911.826+/-326.298 χ^2/NDF: 38.3/45

All: -297.202+/-228.263 χ^2/NDF: 87.7/94

- sign 291.840+/-319.436 χ^2/NDF: 42.5/48

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

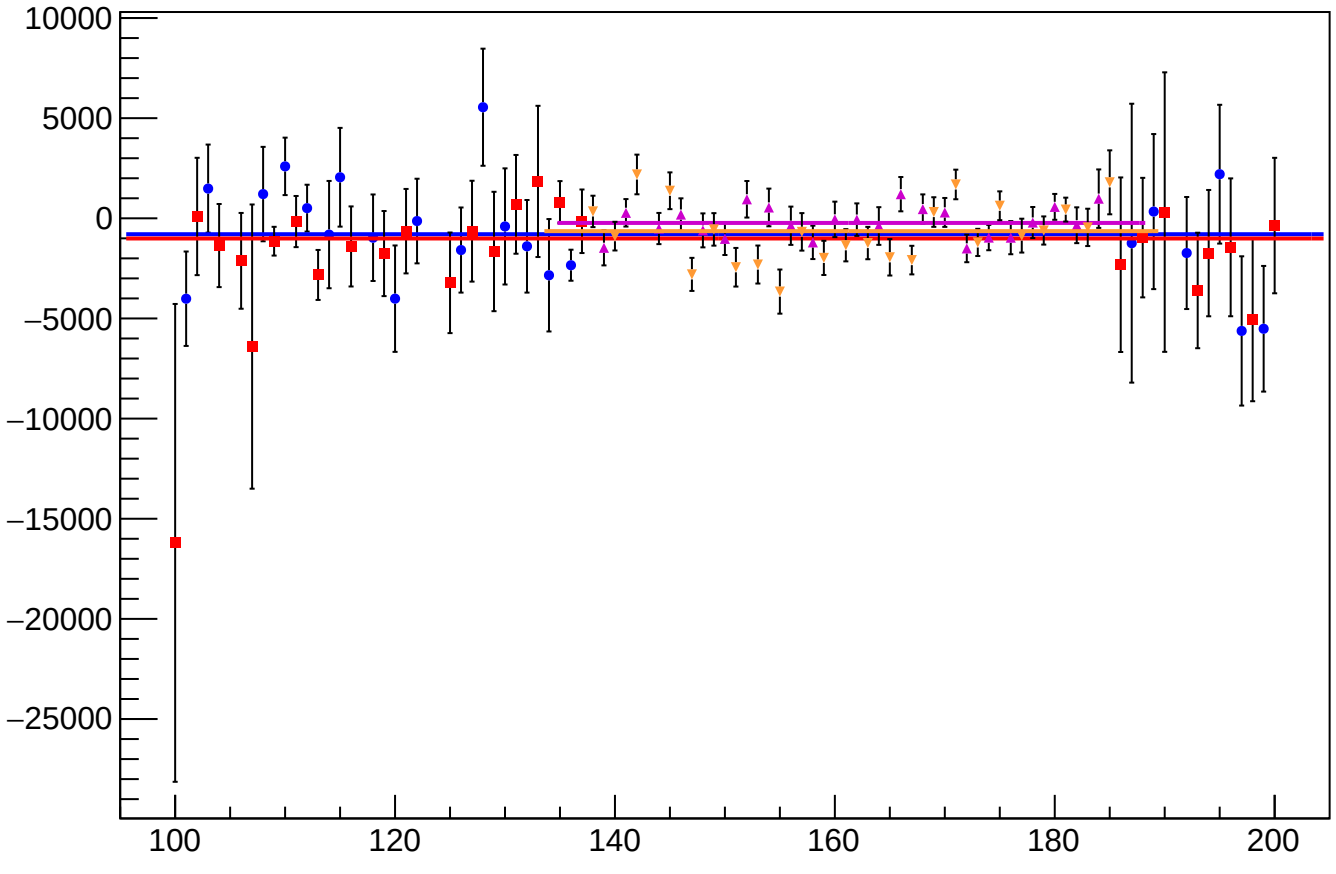
Right Out: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325292.6/45

All: 1787.643+/-0.161 χ^2/NDF: 464461.1/94

- sign 1790.046+/-0.226 χ^2/NDF: 138937.2/48



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1007.234+/-376.510 χ^2/NDF: 12.6/25

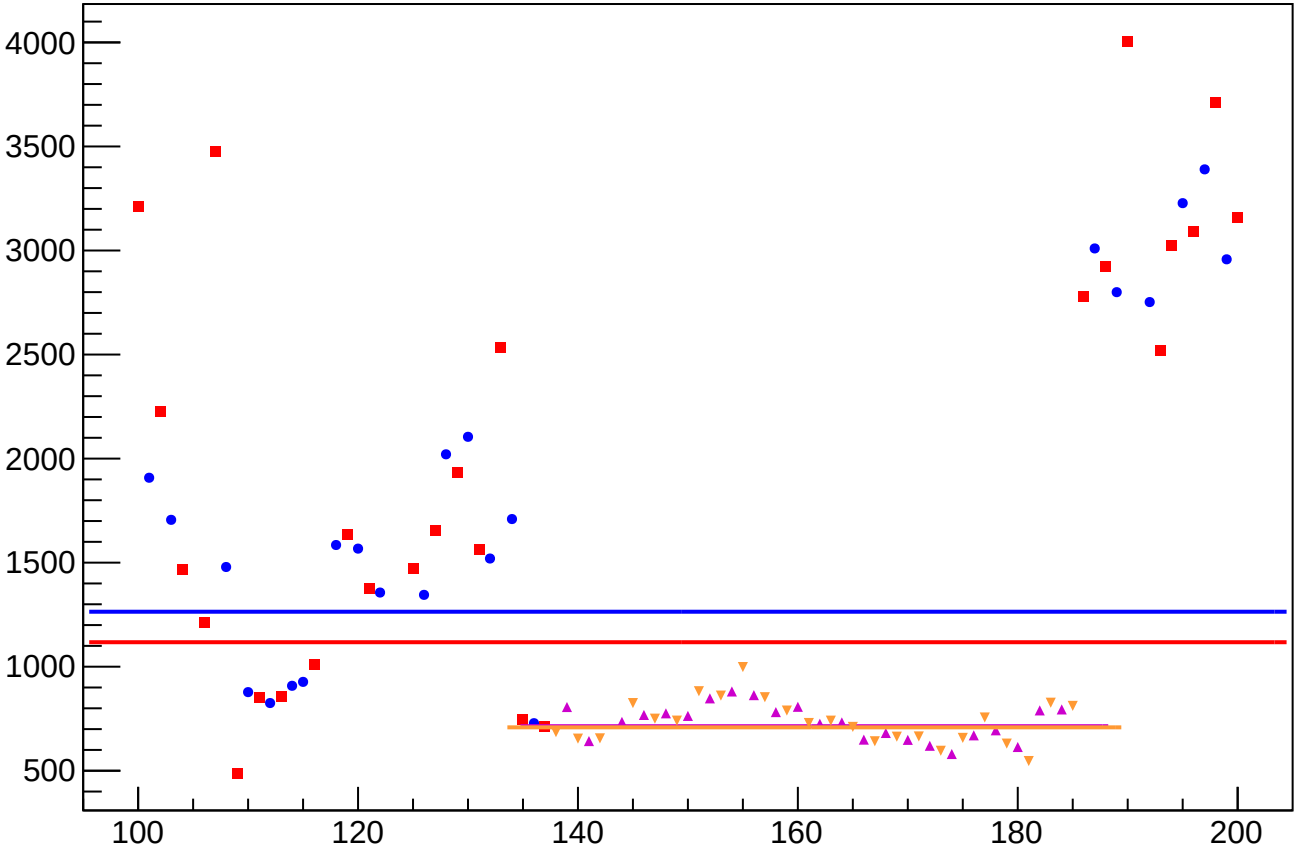
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -661.511+/-154.908 χ^2/NDF: 94.5/45

All: -509.509+/-109.094 χ^2/NDF: 132.6/94

- sign -359.939+/-153.664 χ^2/NDF: 36.1/48

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

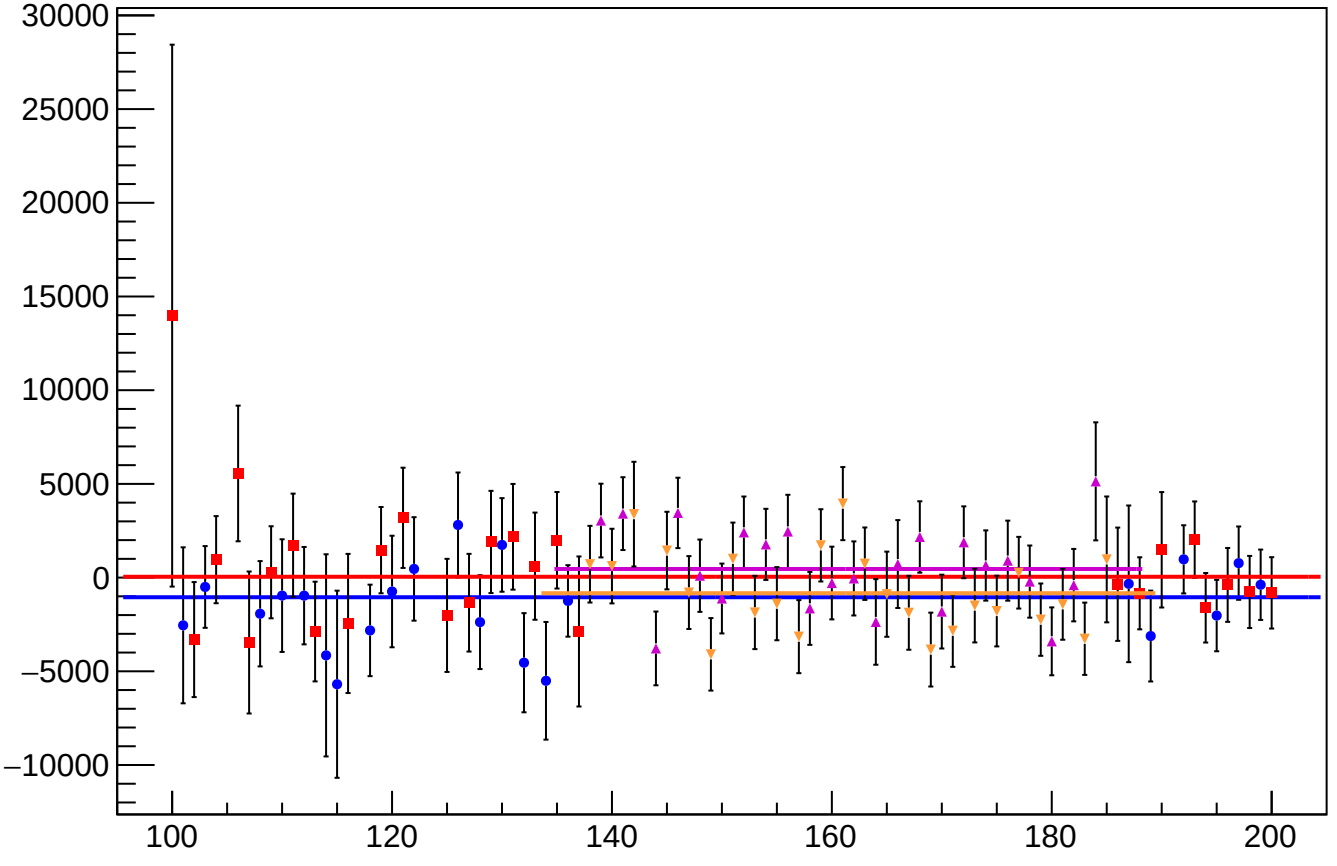
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 782.897+/-0.110 χ^2/NDF: 8722753.5/45

All: 782.126+/-0.077 χ^2/NDF: 19416560.1/94

- sign 781.367+/-0.109 χ^2/NDF: 10693708.4/48

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 44.025+/-502.806 χ^2/NDF: 14.8/25

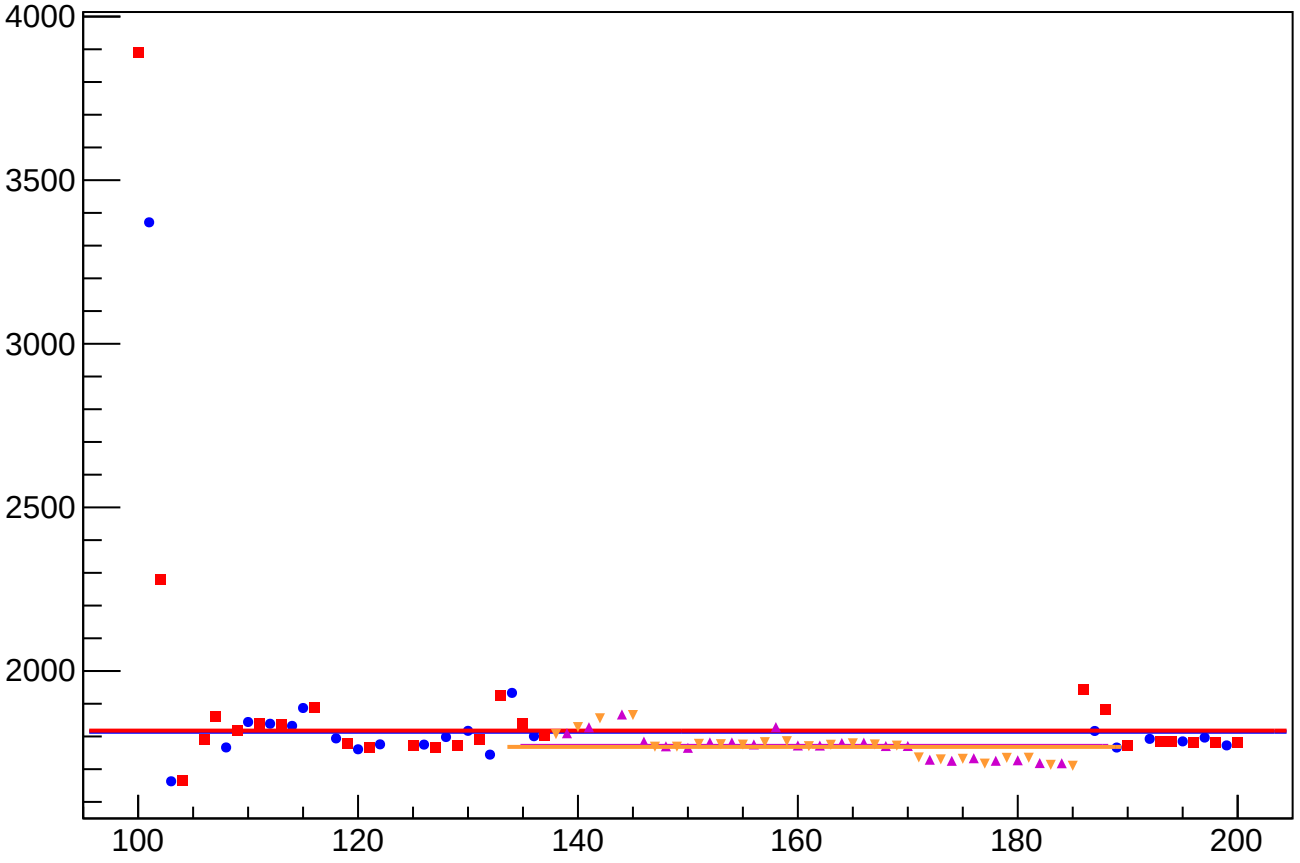
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -911.826+/-326.298 χ^2/NDF: 38.3/45

All: -297.202+/-228.263 χ^2/NDF: 87.7/94

- sign 291.840+/-319.436 χ^2/NDF: 42.5/48

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

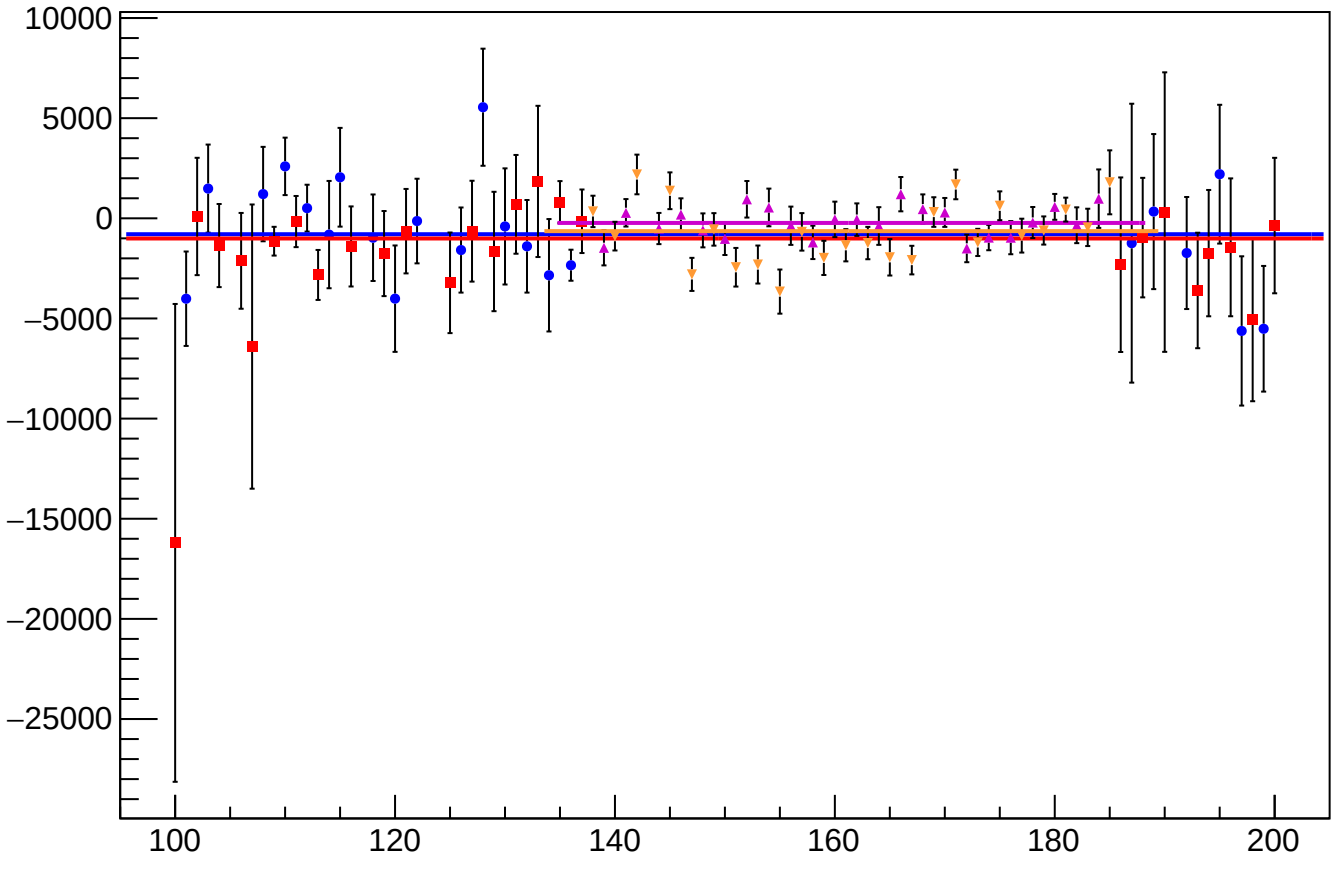
Right Out: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325292.6/45

All: 1787.643+/-0.161 χ^2/NDF: 464461.1/94

- sign 1790.046+/-0.226 χ^2/NDF: 138937.2/48



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

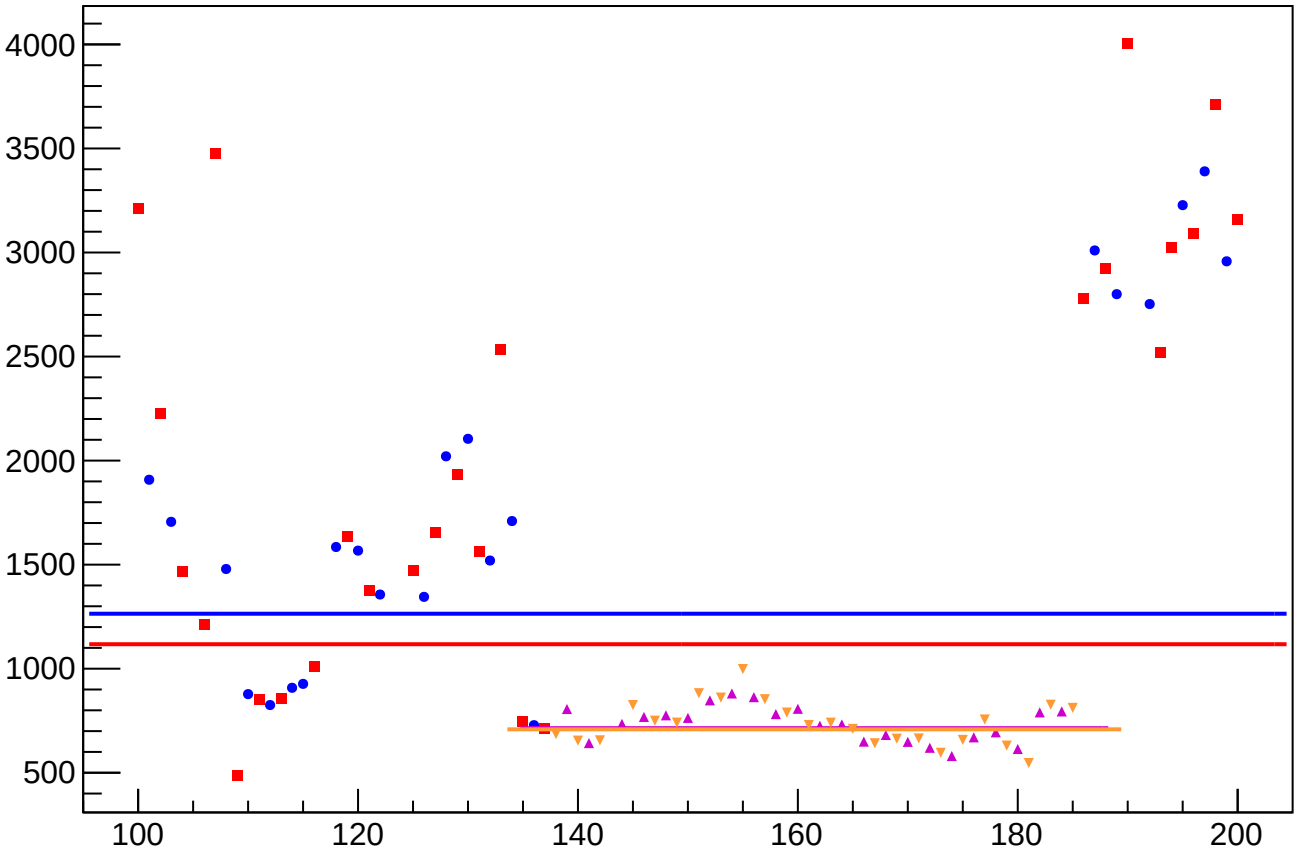
Right Out: -1007.234+/-376.510 χ^2/NDF: 12.6/25

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -661.511+/-154.908 χ^2/NDF: 94.5/45

All: -509.509+/-109.094 χ^2/NDF: 132.6/94

- sign -359.939+/-153.664 χ^2/NDF: 36.1/48



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

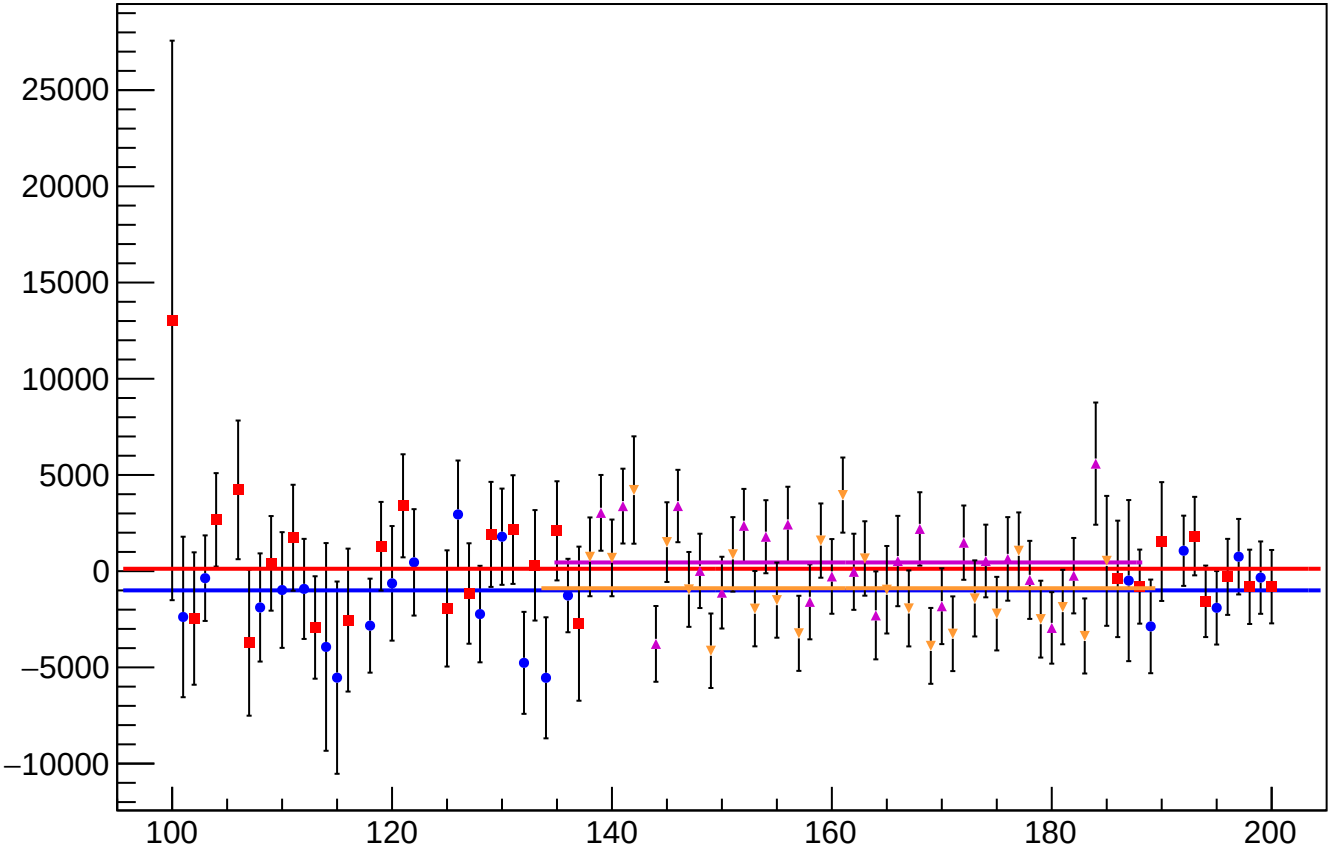
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 782.897+/-0.110 χ^2/NDF: 8722753.5/45

All: 782.126+/-0.077 χ^2/NDF: 19416560.1/94

- sign 781.367+/-0.109 χ^2/NDF: 10693708.4/48

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -998.173+/-539.363 χ^2/NDF: 12.9/21

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 124.959+/-505.848 χ^2/NDF: 14.0/25

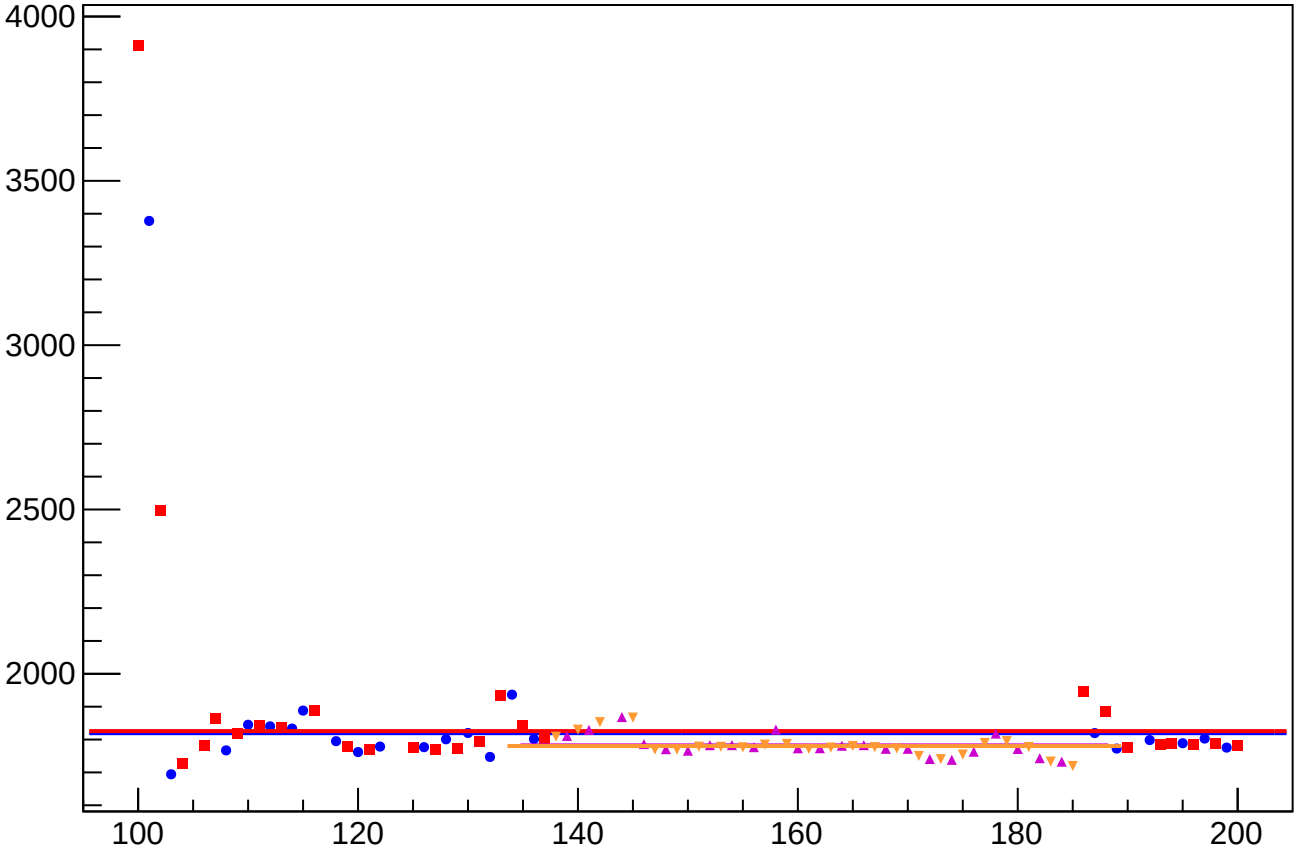
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -927.712+/-328.023 χ^2/NDF: 41.1/45

All: -290.759+/-229.568 χ^2/NDF: 88.5/94

- sign 320.716+/-321.396 χ^2/NDF: 40.0/48

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

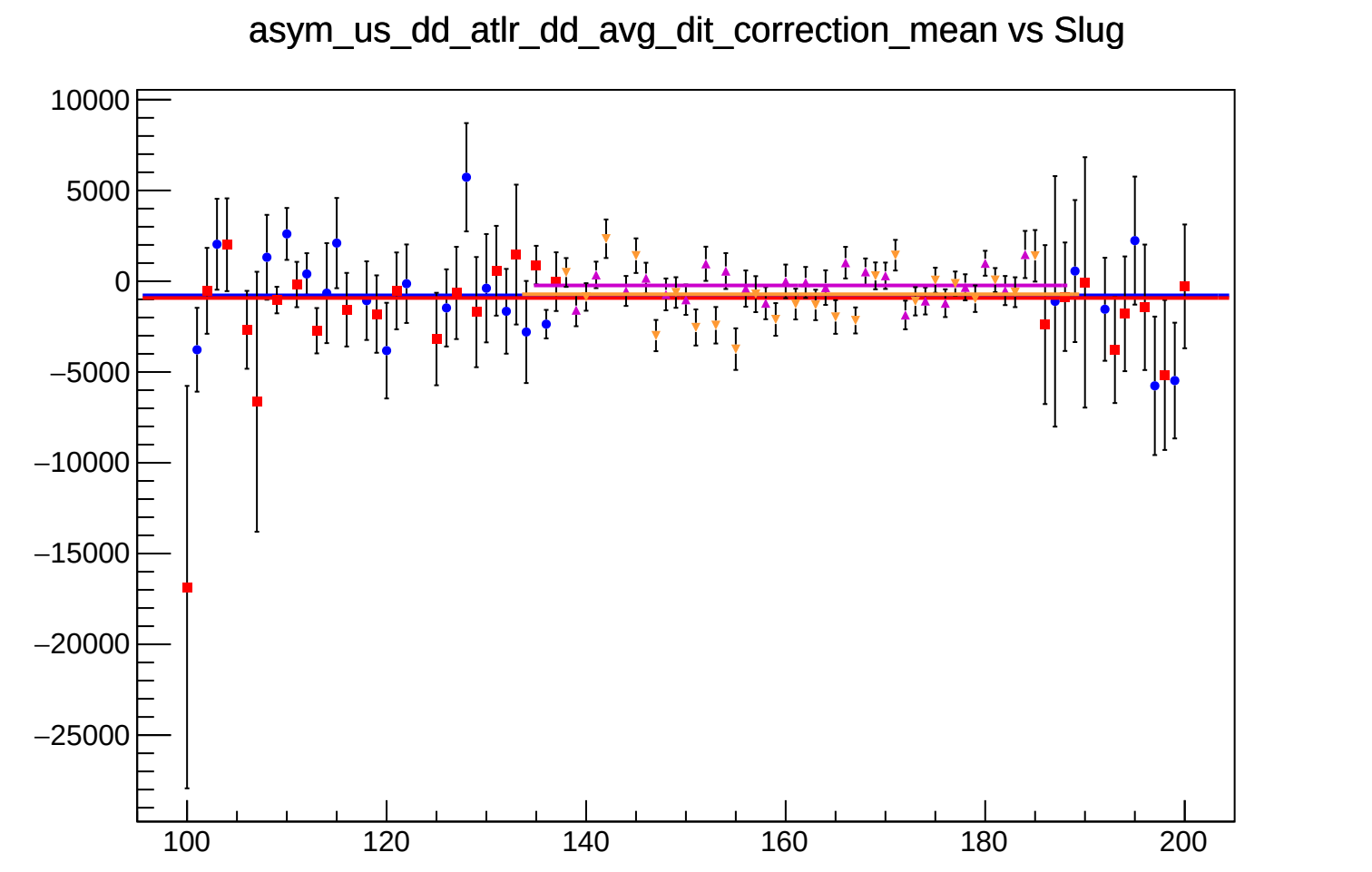
Right Out: 1825.719+/-0.358 χ^2/NDF: 138760.9/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.715+/-0.232 χ^2/NDF: 313241.5/45

All: 1797.323+/-0.162 χ^2/NDF: 472269.7/94

- sign 1799.826+/-0.227 χ^2/NDF: 158780.4/48



Right In: -778.179+/-426.888 χ^2/NDF: 27.6/21

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

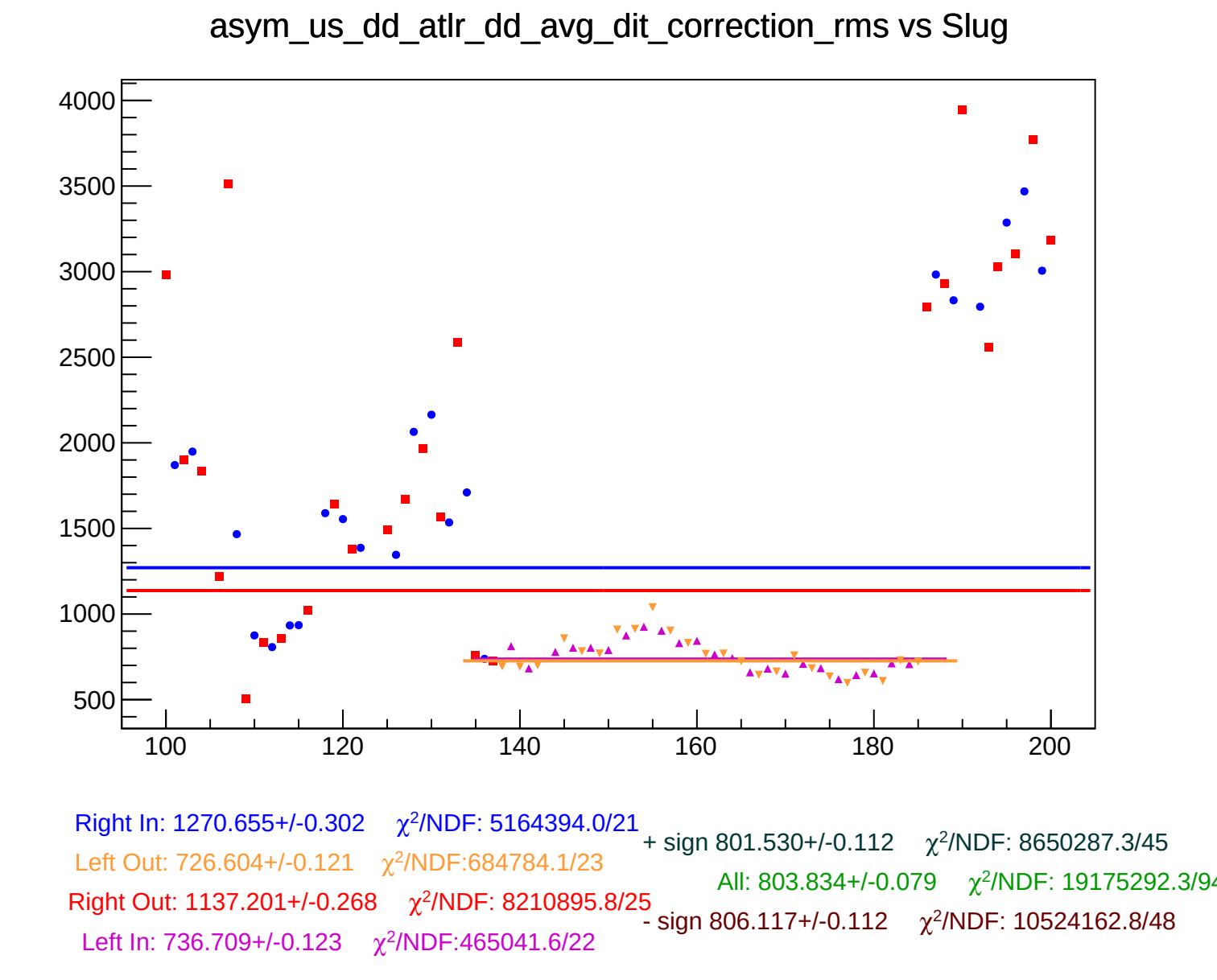
Right Out: -923.899+/-378.794 χ^2/NDF: 14.6/25

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

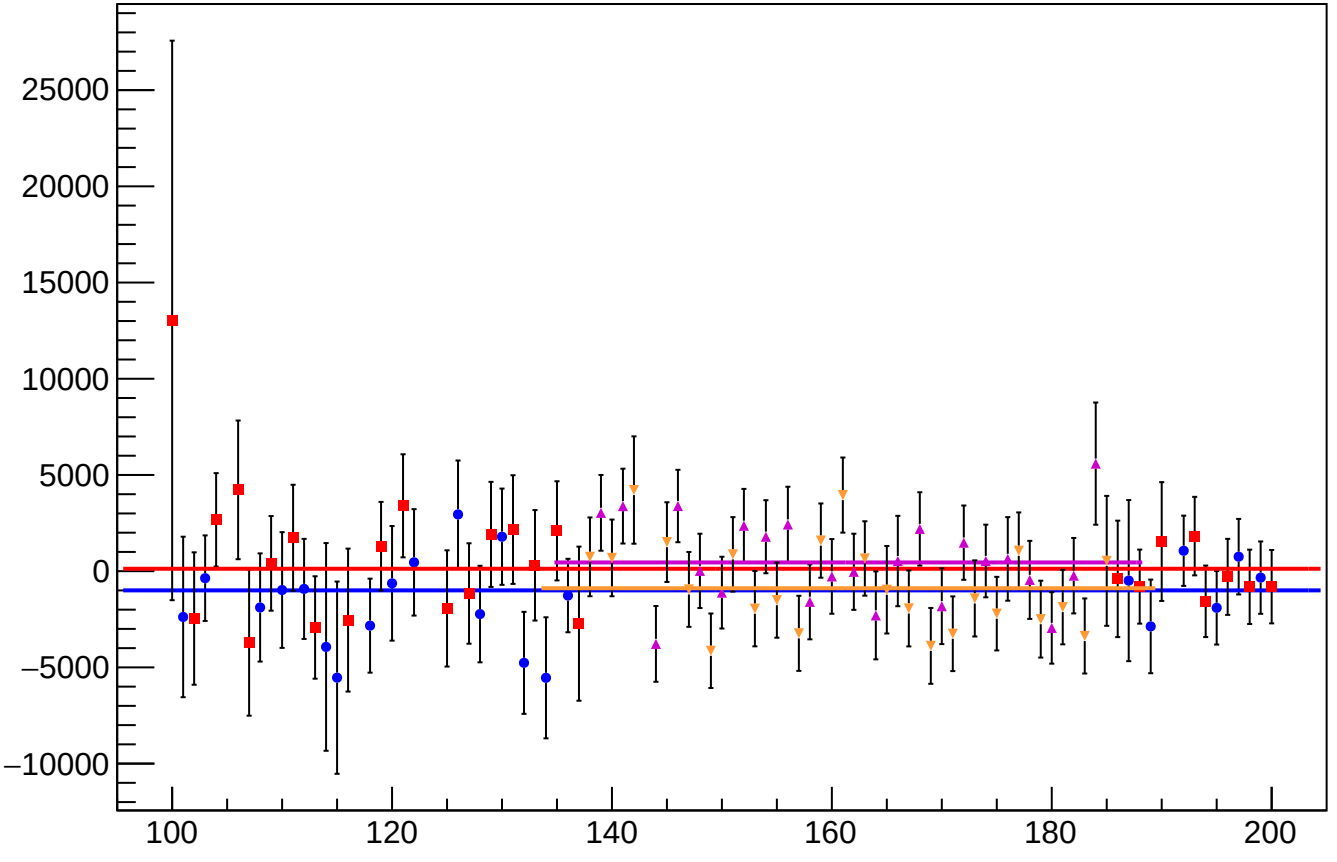
+ sign -725.080+/-158.420 χ^2/NDF: 87.0/45

All: -537.354+/-111.762 χ^2/NDF: 131.2/94

- sign -351.348+/-157.692 χ^2/NDF: 41.5/48


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1270.655+/-0.302 χ²/NDF: 5164394.0/21
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1137.201+/-0.268 χ²/NDF: 8210895.8/25
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
+ sign 801.530+/-0.112 χ²/NDF: 8650287.3/45
All: 803.834+/-0.079 χ²/NDF: 19175292.3/94
- sign 806.117+/-0.112 χ²/NDF: 10524162.8/48

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -998.175+/-539.363 χ^2/NDF: 12.9/21

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 124.960+/-505.848 χ^2/NDF: 14.0/25

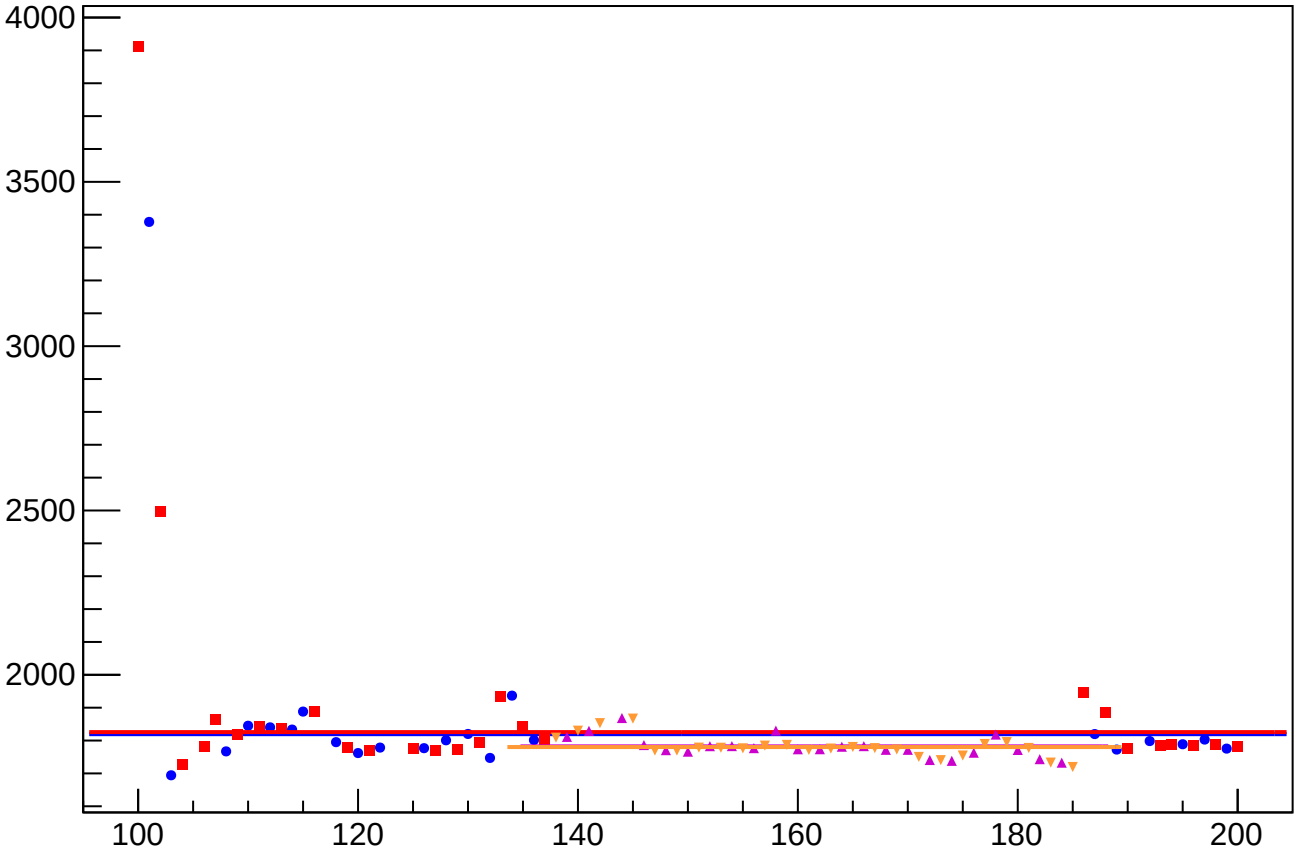
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -927.712+/-328.023 χ^2/NDF: 41.1/45

All: -290.759+/-229.568 χ^2/NDF: 88.5/94

- sign 320.716+/-321.396 χ^2/NDF: 40.0/48

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

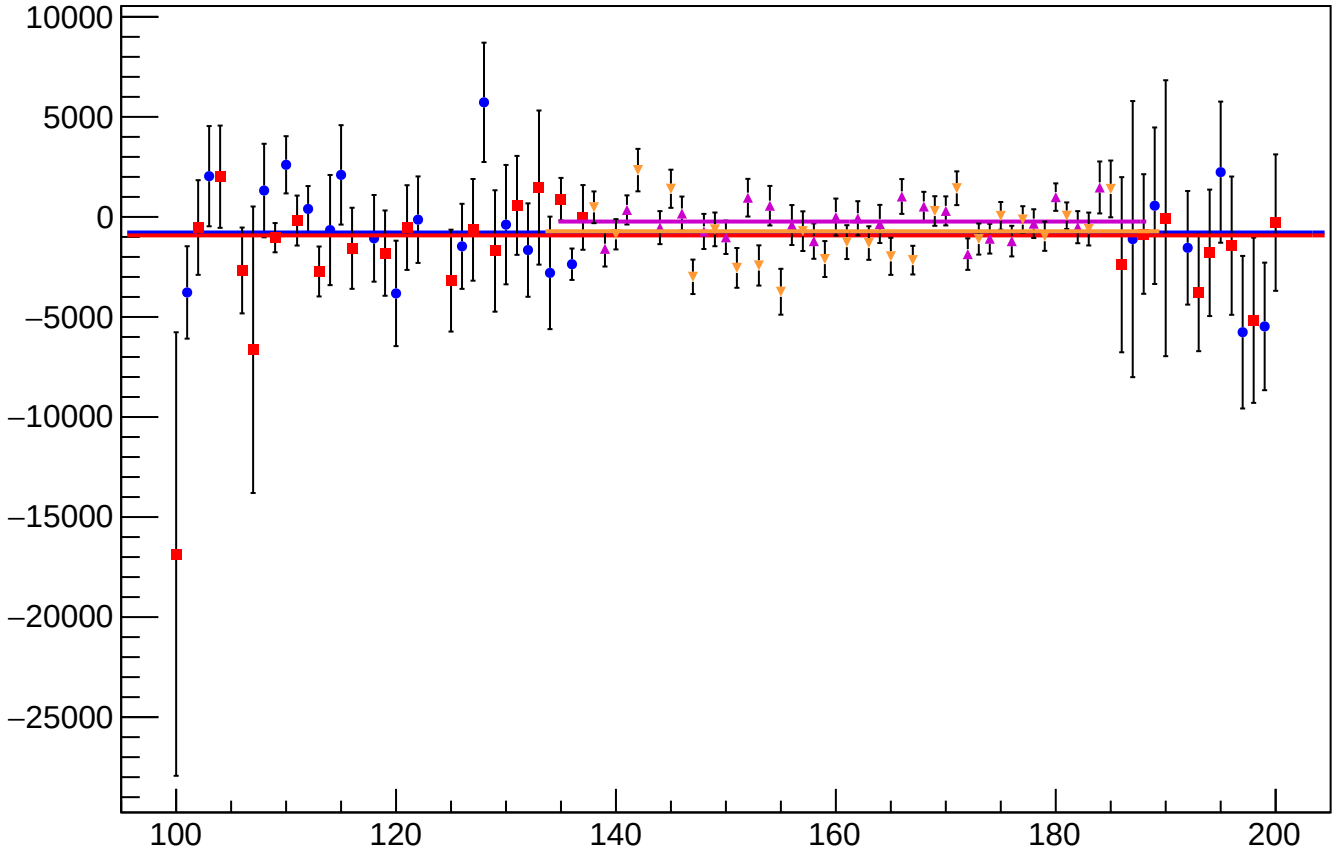
Right Out: 1825.719+/-0.358 χ^2/NDF: 138761.0/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.715+/-0.232 χ^2/NDF: 313241.6/45

All: 1797.323+/-0.162 χ^2/NDF: 472269.8/94

- sign 1799.826+/-0.227 χ^2/NDF: 158780.5/48



Right In: -778.167+/-426.888 χ^2/NDF: 27.6/21

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

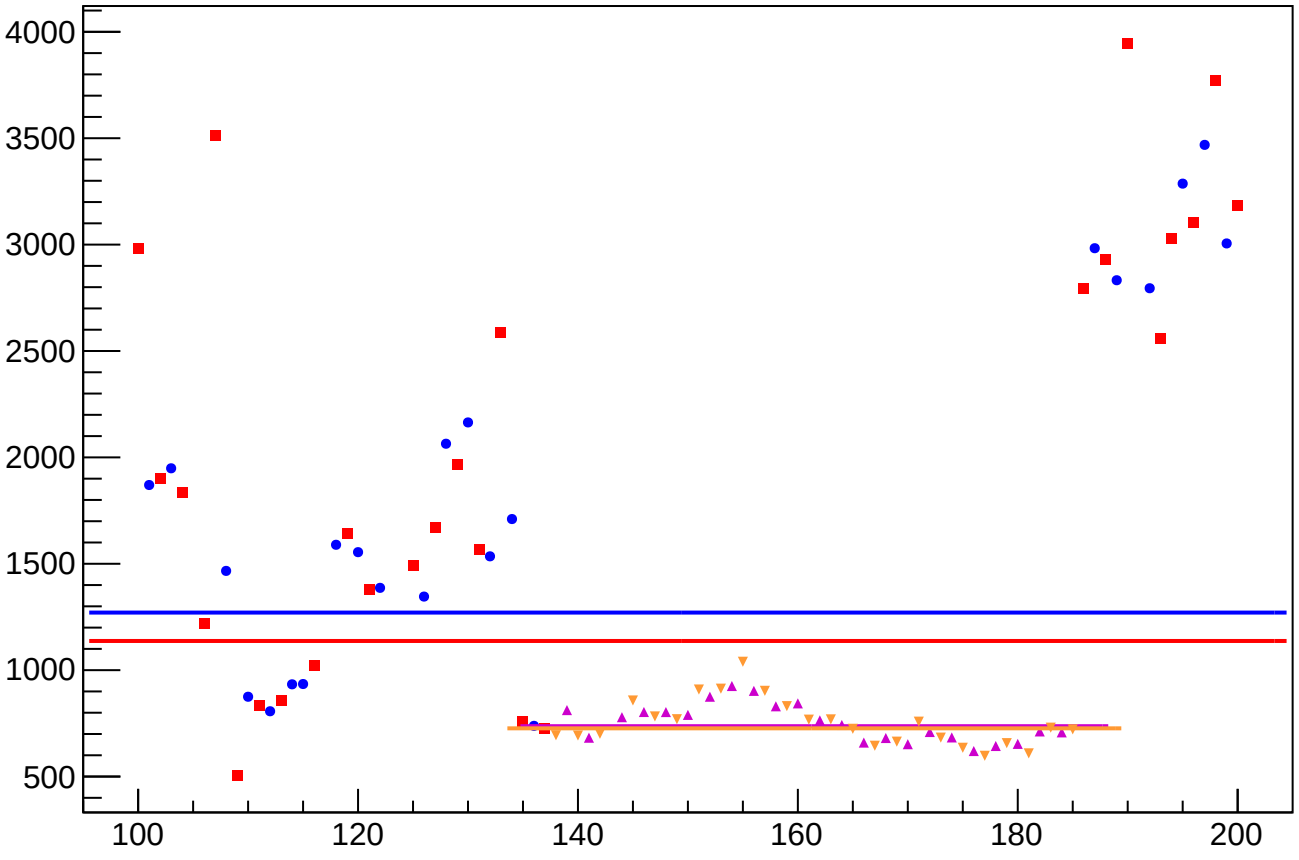
Right Out: -923.906+/-378.795 χ^2/NDF: 14.6/25

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -725.079+/-158.420 χ^2/NDF: 87.0/45

All: -537.353+/-111.762 χ^2/NDF: 131.2/94

- sign -351.348+/-157.692 χ^2/NDF: 41.5/48



Right In: 1270.658+/-0.302 χ^2/NDF: 5164345.9/21

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1137.204+/-0.268 χ^2/NDF: 8210859.0/25

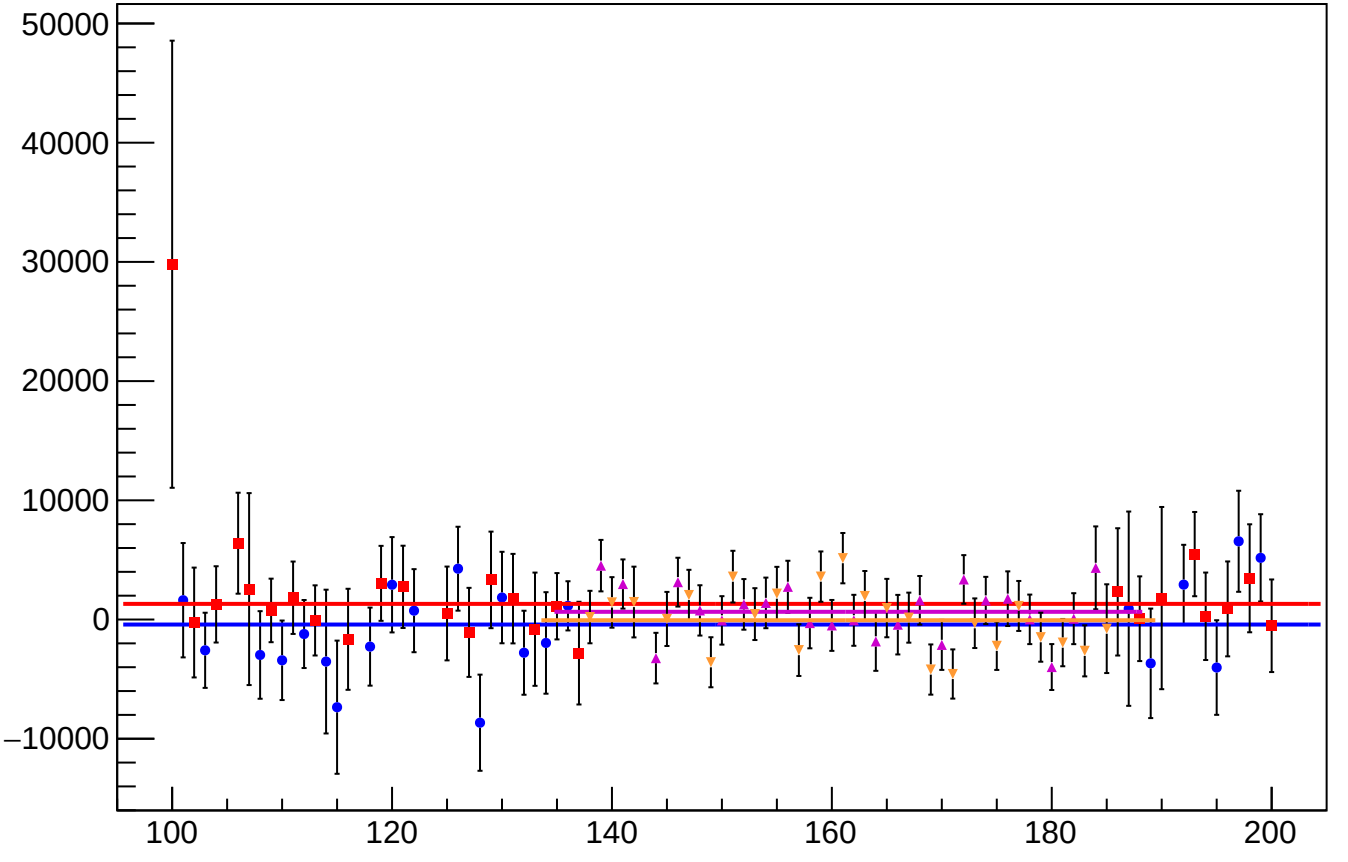
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 801.531+/-0.112 χ^2/NDF: 8650258.2/45

All: 803.834+/-0.079 χ^2/NDF: 19175263.5/94

- sign 806.117+/-0.112 χ^2/NDF: 10524163.3/48

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -420.312+/-777.212 χ^2/NDF: 19.8/21

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1312.307+/-748.731 χ^2/NDF: 9.1/25

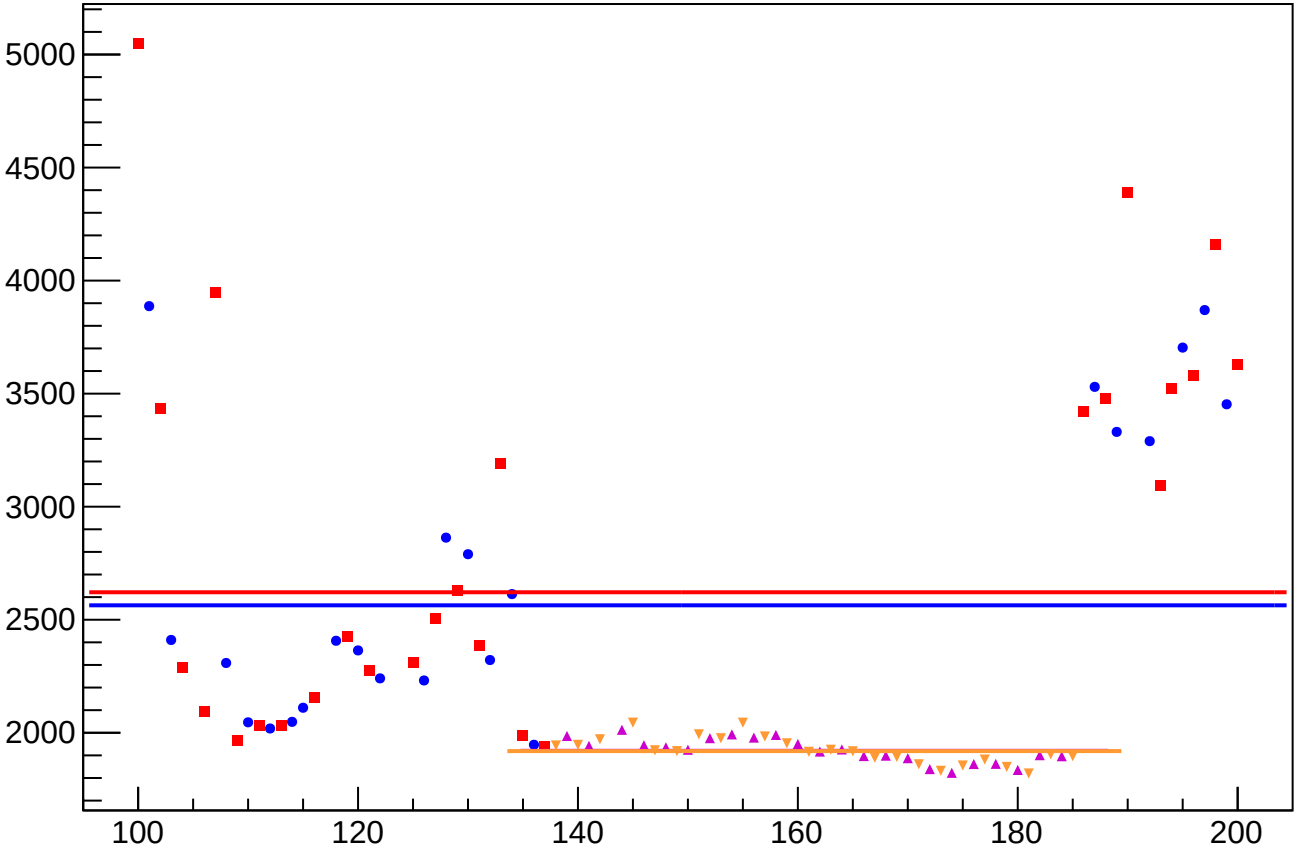
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -148.829+/-386.573 χ^2/NDF: 53.0/45

All: 339.167+/-272.711 χ^2/NDF: 89.5/94

- sign 822.641+/-384.777 χ^2/NDF: 33.3/48

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2563.767+/-0.550 χ^2/NDF: 1217832.3/21

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

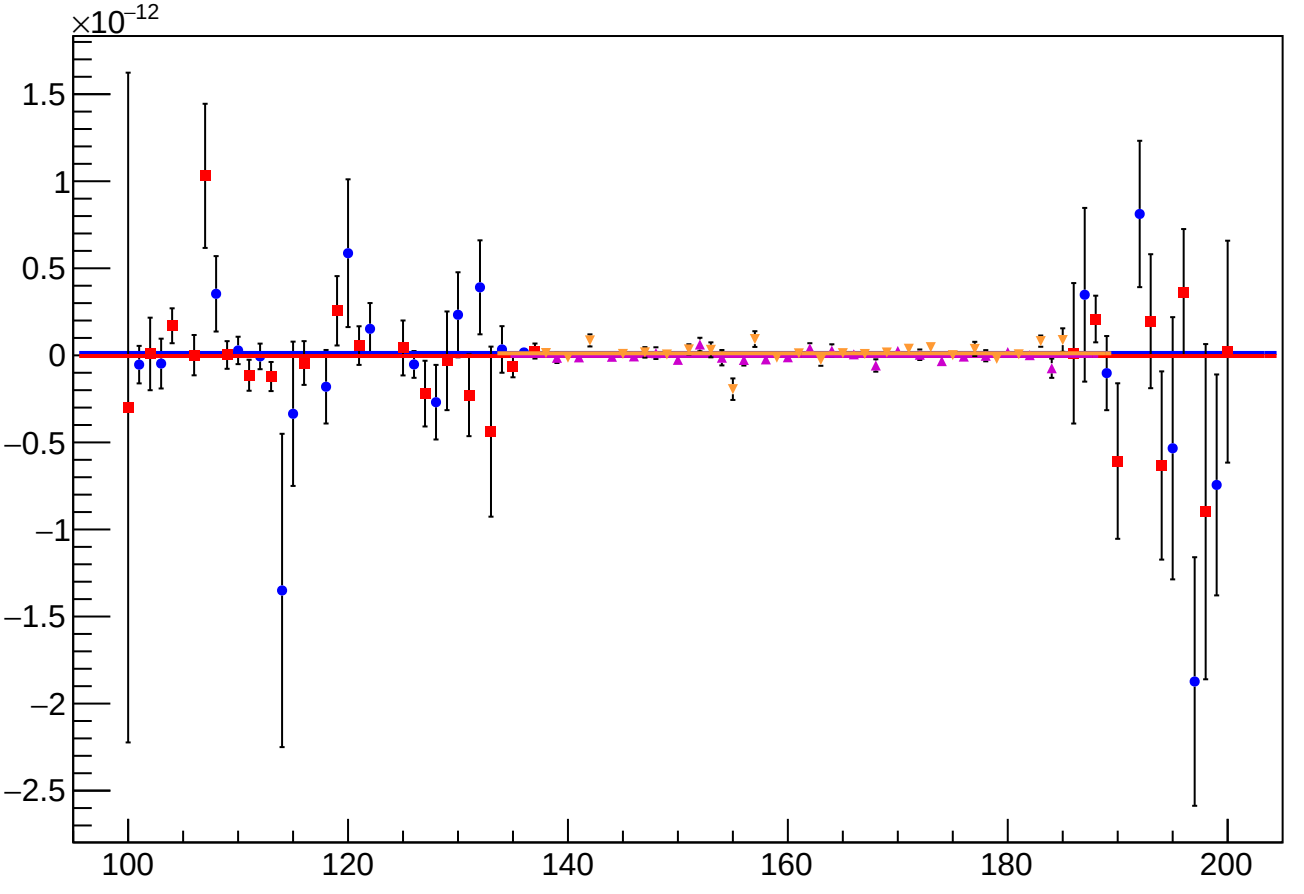
Right Out: 2621.508+/-0.529 χ^2/NDF: 1643461.6/25

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2078.491+/-0.273 χ^2/NDF: 2289409.8/45

All: 2092.022+/-0.193 χ^2/NDF: 5258886.8/94

\- sign 2105.427+/-0.272 χ^2/NDF: 2964599.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

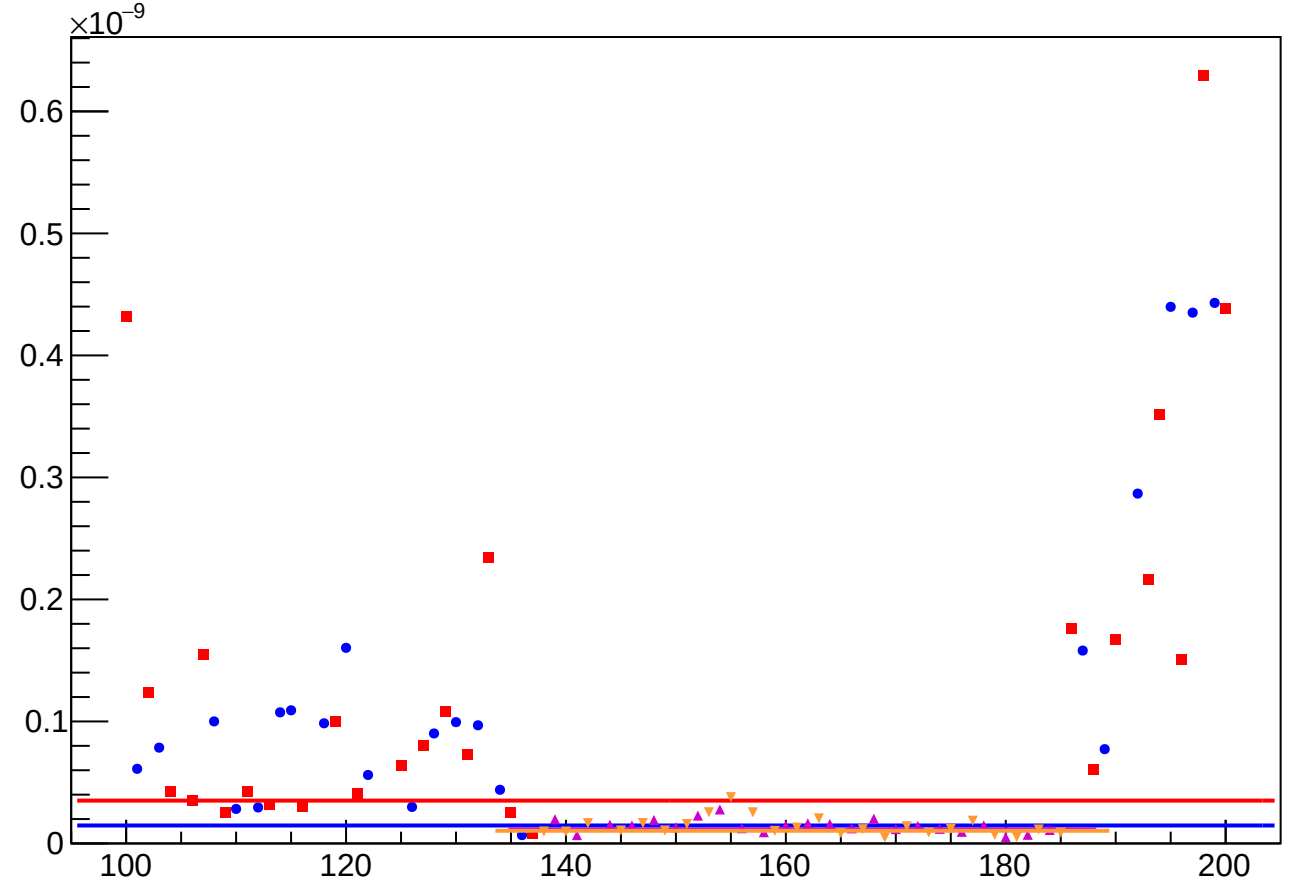
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/45

All: 0.000+/-0.000 χ^2/NDF: 118.5/94

- sign -0.000+/-0.000 χ^2/NDF: 47.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 6848635.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

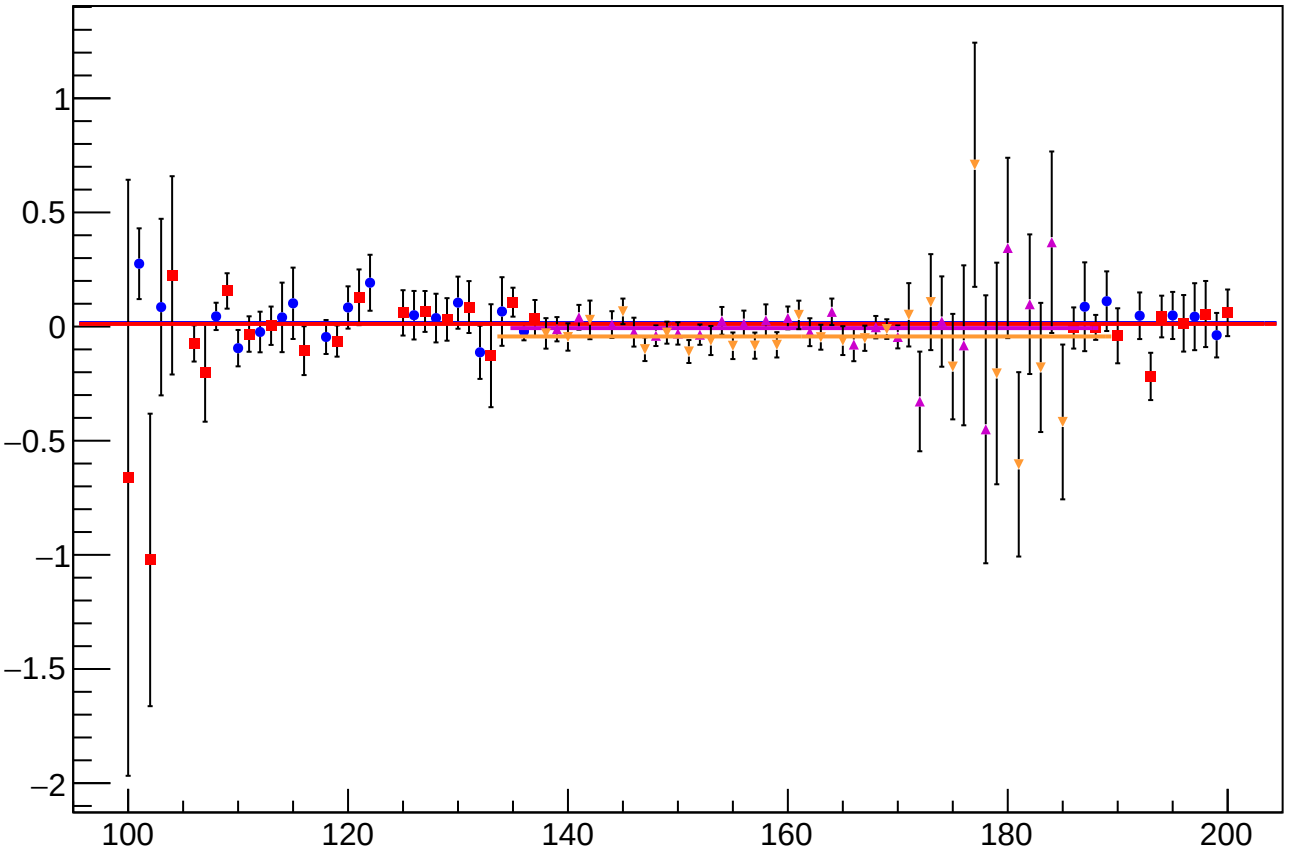
Right Out: 0.000+/-0.000 χ^2/NDF: 5807661.8/25

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9095593.9/45

All: 0.000+/-0.000 χ^2/NDF: 18857251.1/94

- sign 0.000+/-0.000 χ^2/NDF: 9639510.8/48



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

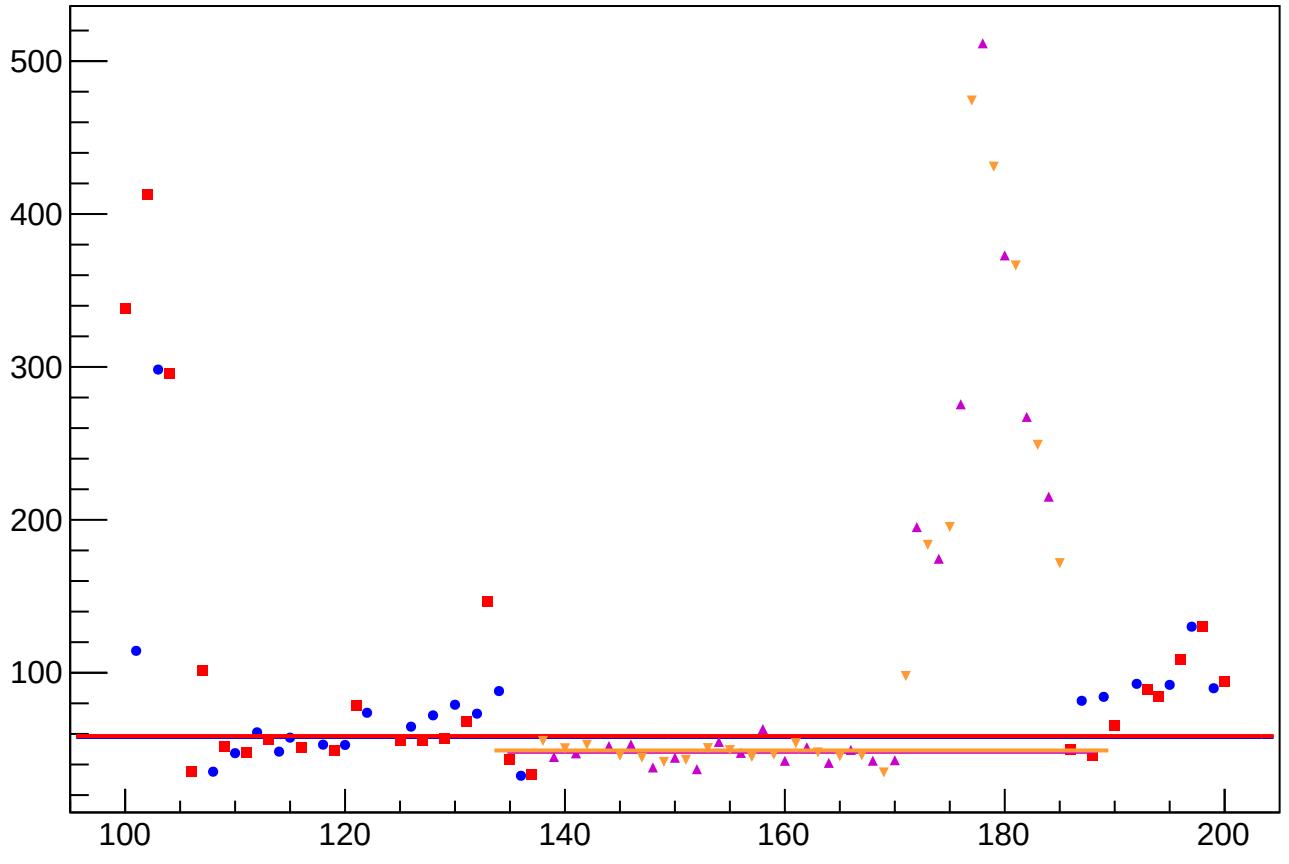
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.7/94

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

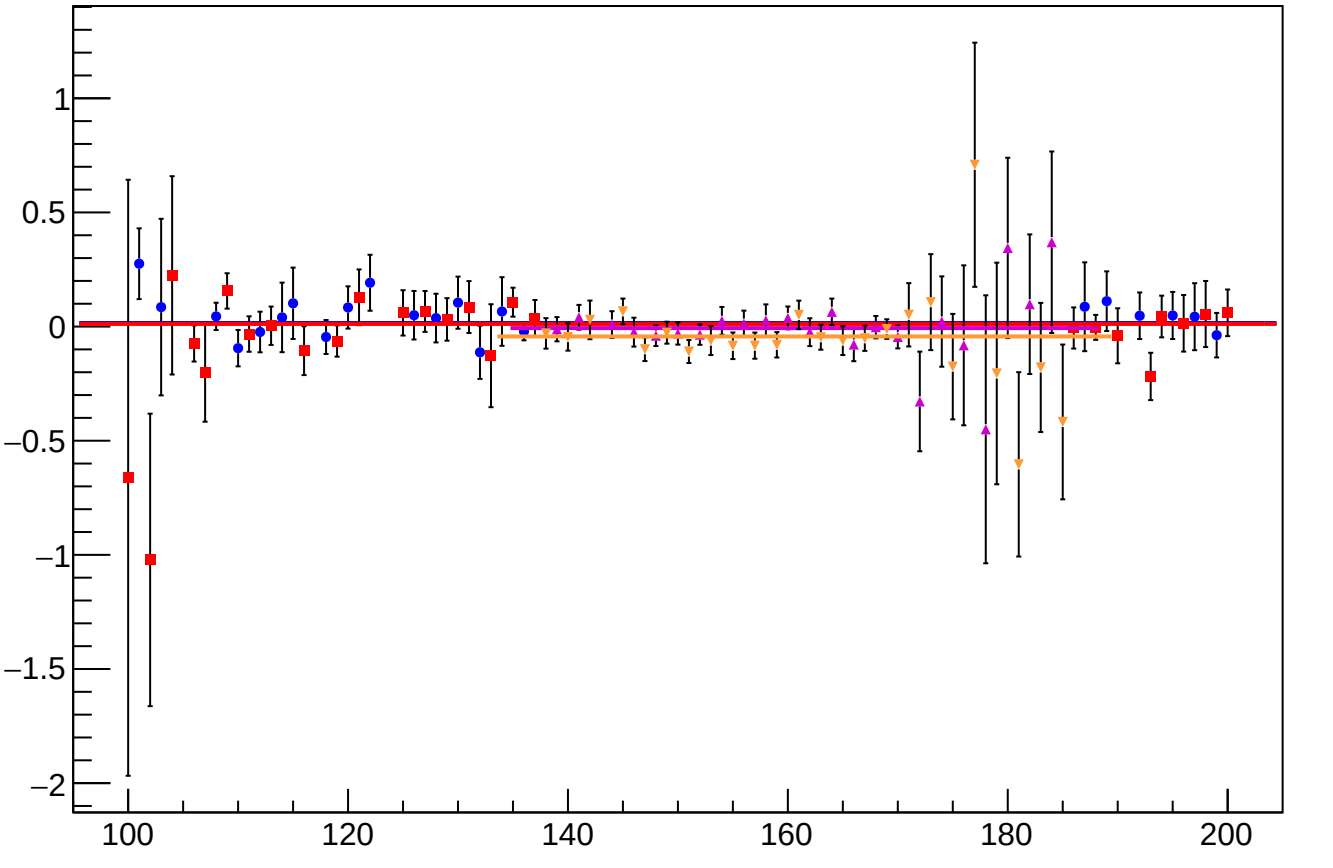
Right Out: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 52.072+/-0.008 χ^2/NDF: 11265045.8/45

All: 51.939+/-0.006 χ^2/NDF: 22570962.4/94

- sign 51.815+/-0.008 χ^2/NDF: 11305393.2/48



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

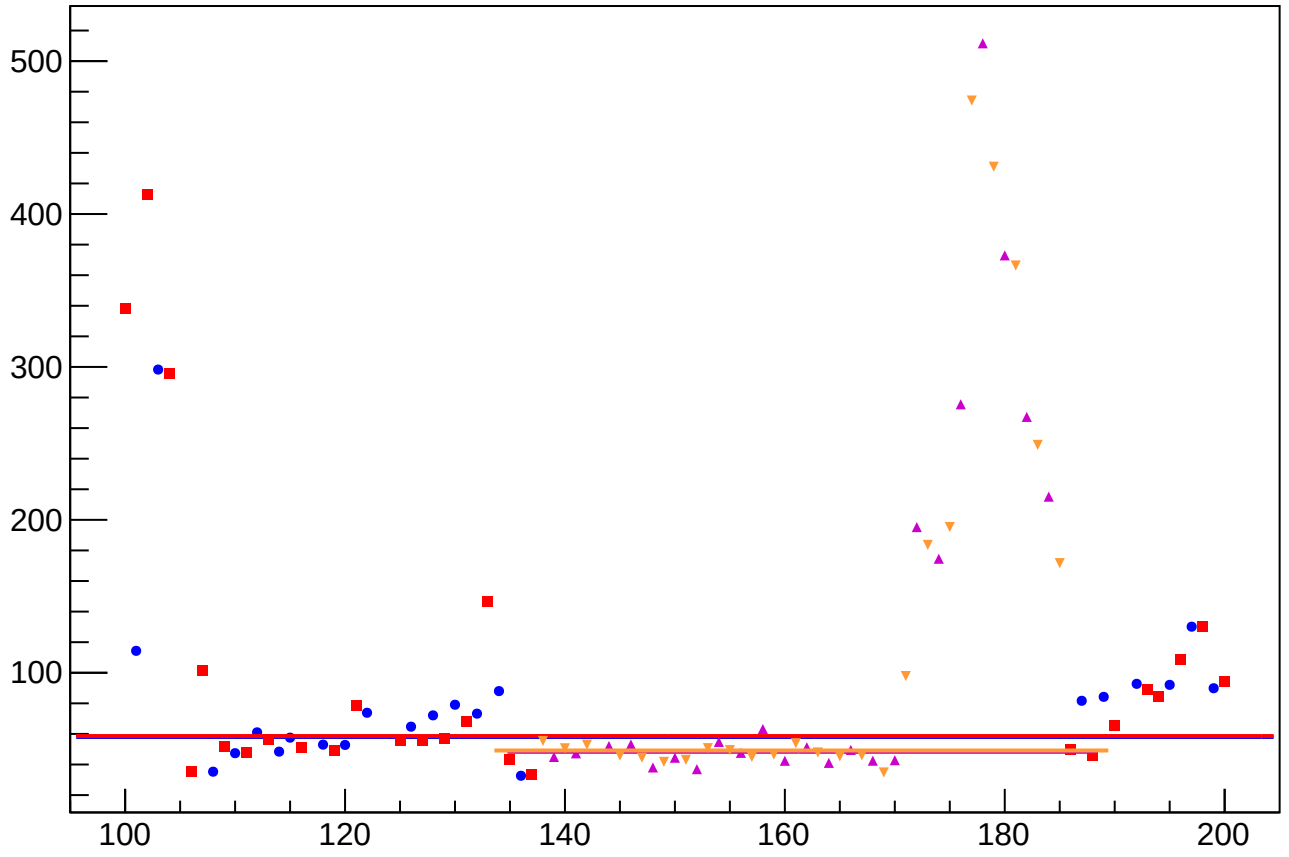
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.7/94

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

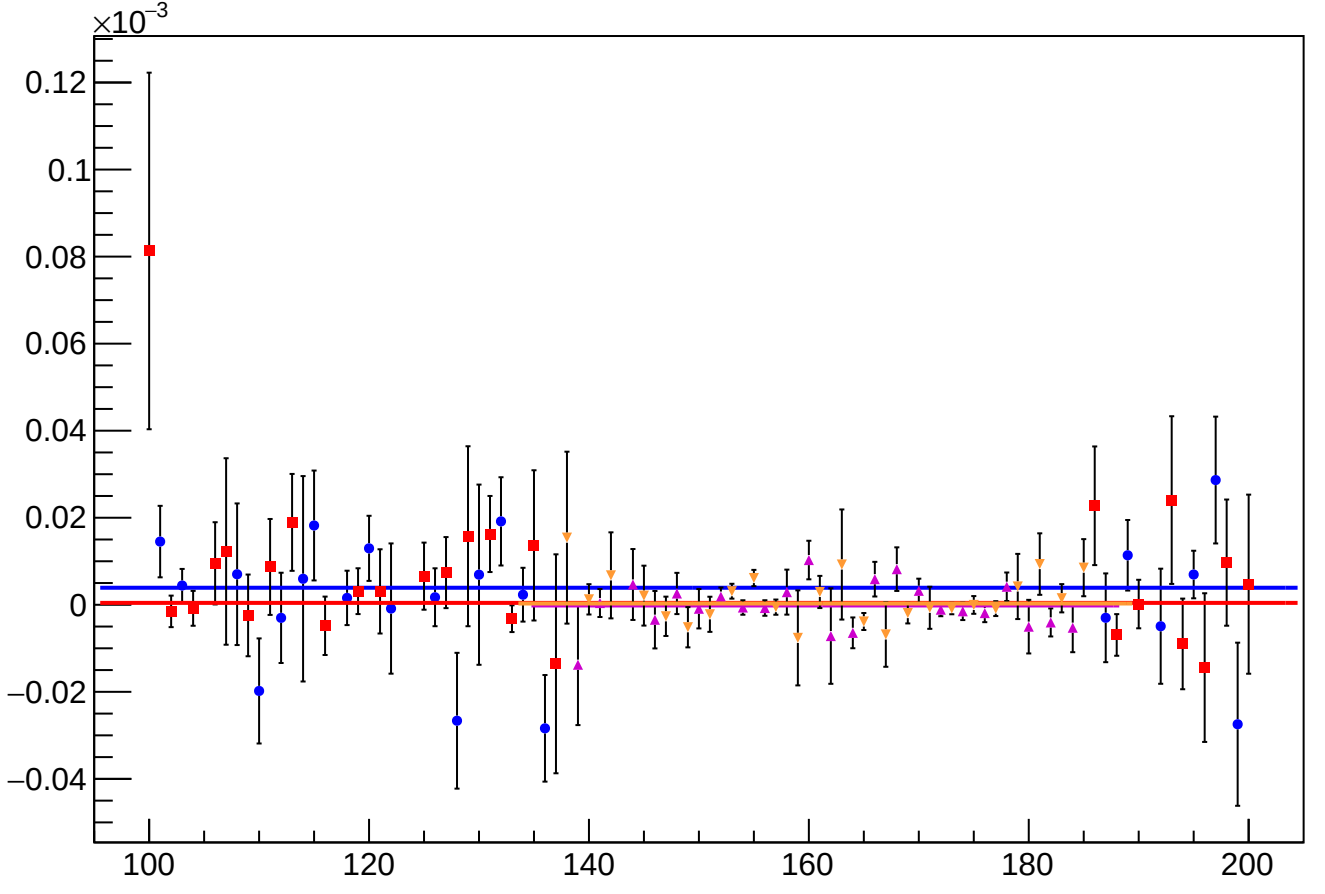
Right Out: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 52.072+/-0.008 χ^2/NDF: 11265045.8/45

All: 51.939+/-0.006 χ^2/NDF: 22570962.4/94

- sign 51.815+/-0.008 χ^2/NDF: 11305393.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

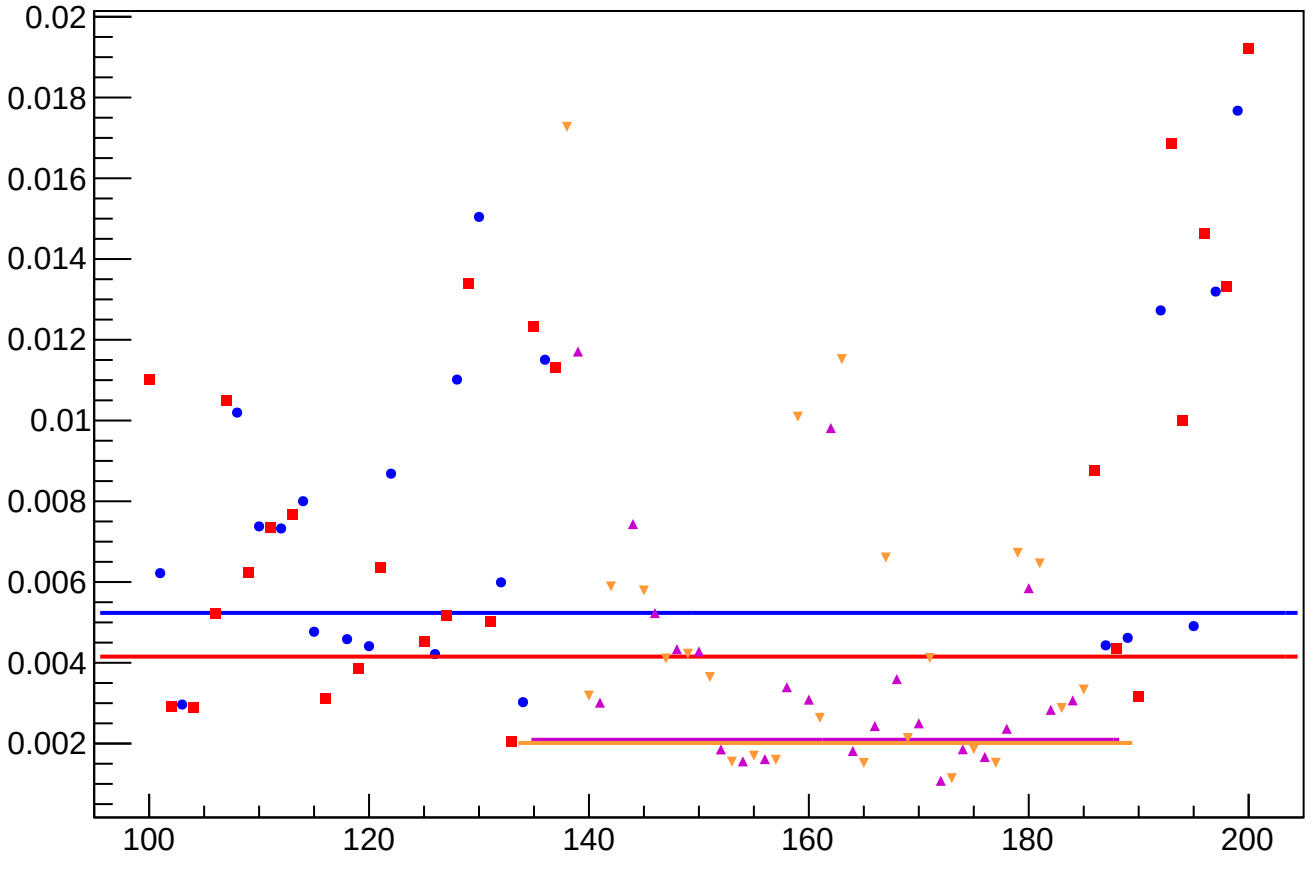
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/25

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/45

All: 0.000+/-0.000 χ^2/NDF: 114.6/94

- sign -0.000+/-0.000 χ^2/NDF: 51.4/48



Right In: 0.005+/-0.000 χ^2/NDF: 4962615.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

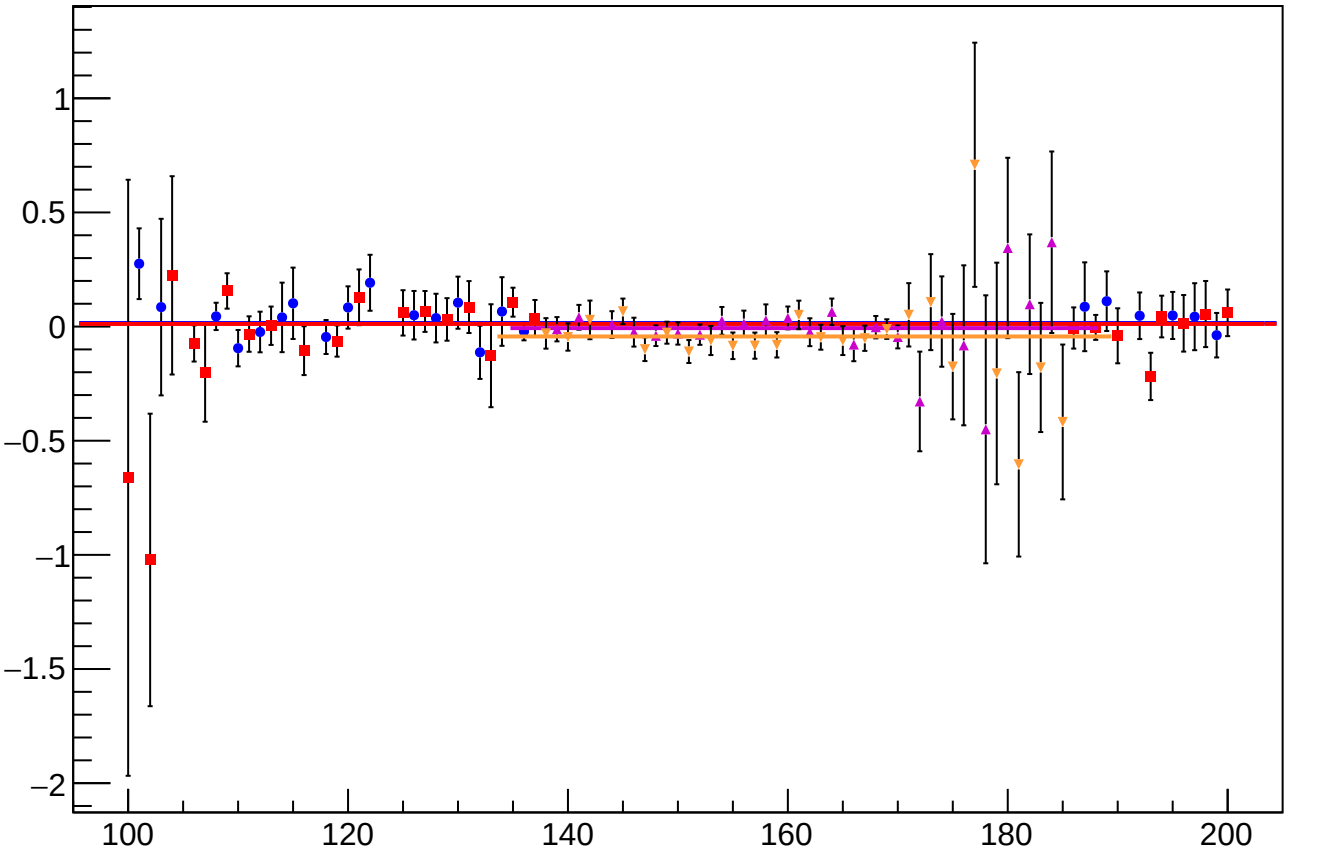
Right Out: 0.004+/-0.000 χ^2/NDF: 7733385.4/25

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 20955213.2/45

All: 0.002+/-0.000 χ^2/NDF: 39528499.1/94

- sign 0.002+/-0.000 χ^2/NDF: 18524269.2/48



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

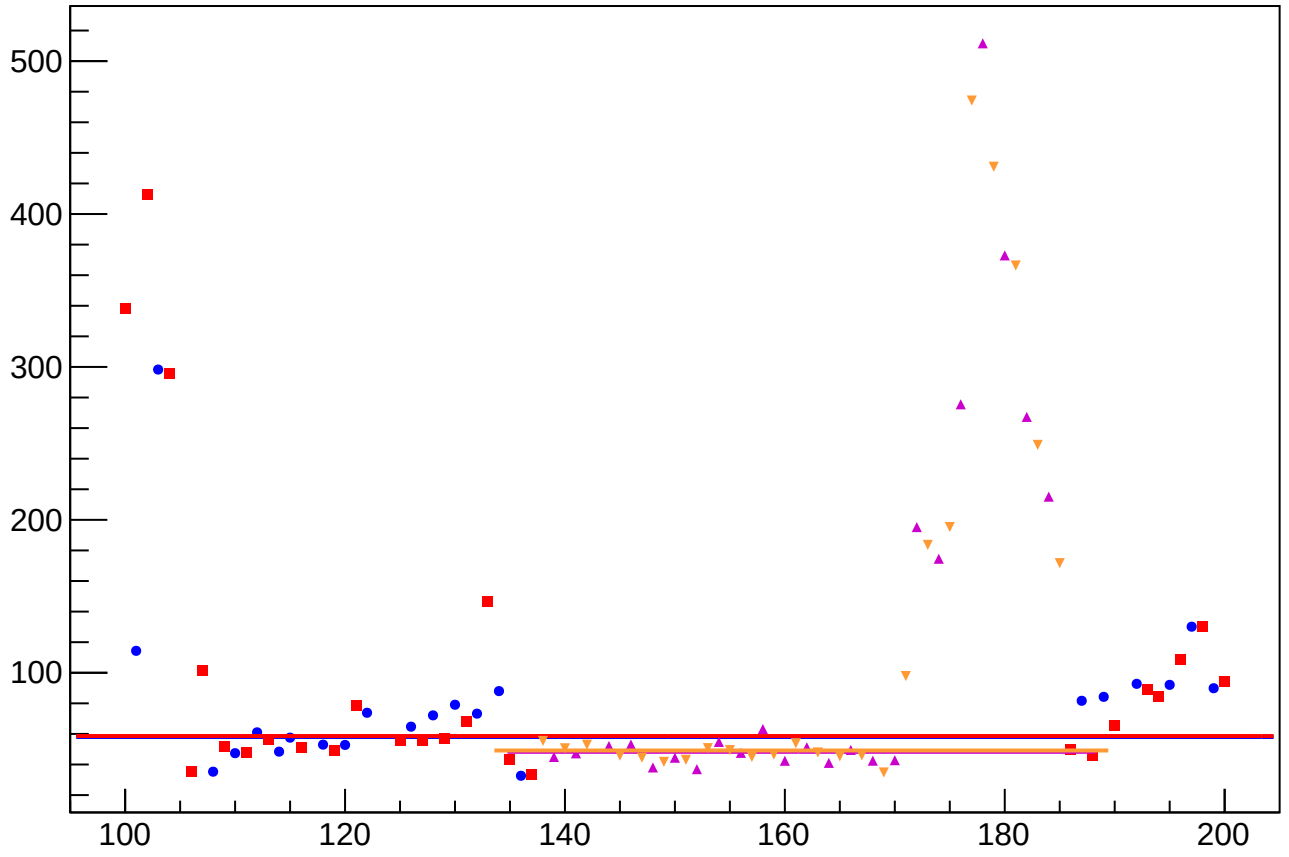
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.7/94

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

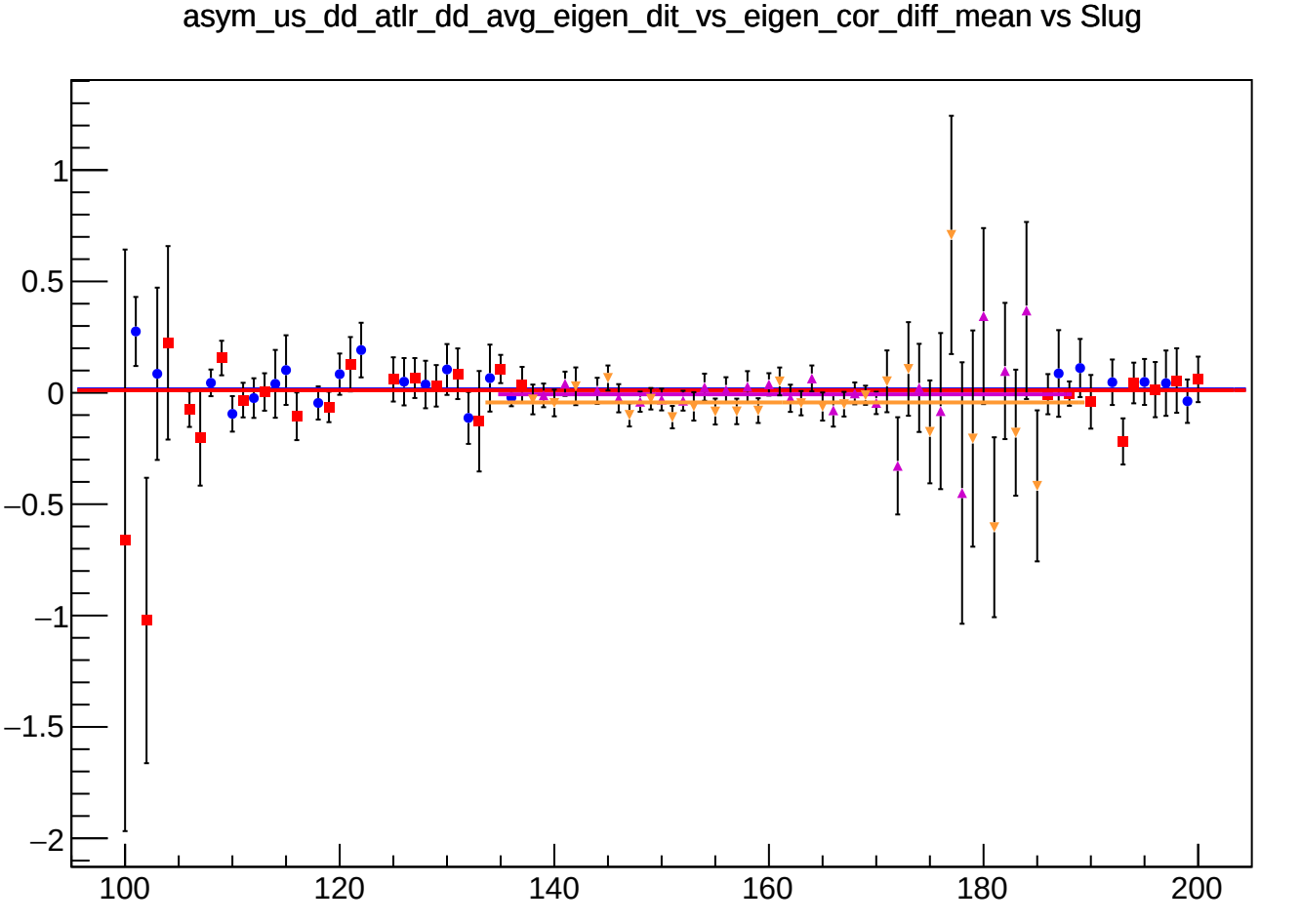
Right Out: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.071+/-0.008 χ^2/NDF: 11264955.0/45

All: 51.939+/-0.006 χ^2/NDF: 22570688.3/94

- sign 51.816+/-0.008 χ^2/NDF: 11305212.0/48



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

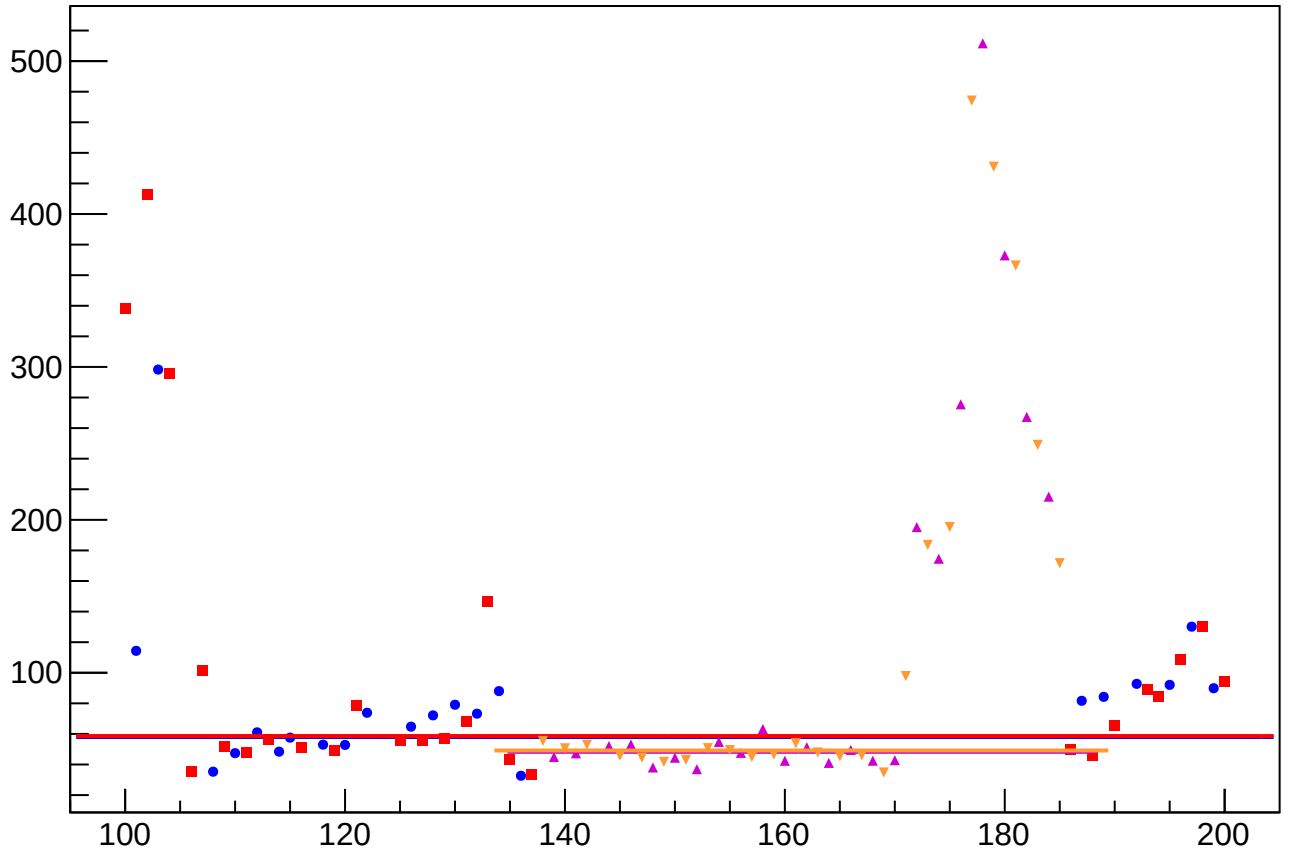
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.7/94

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

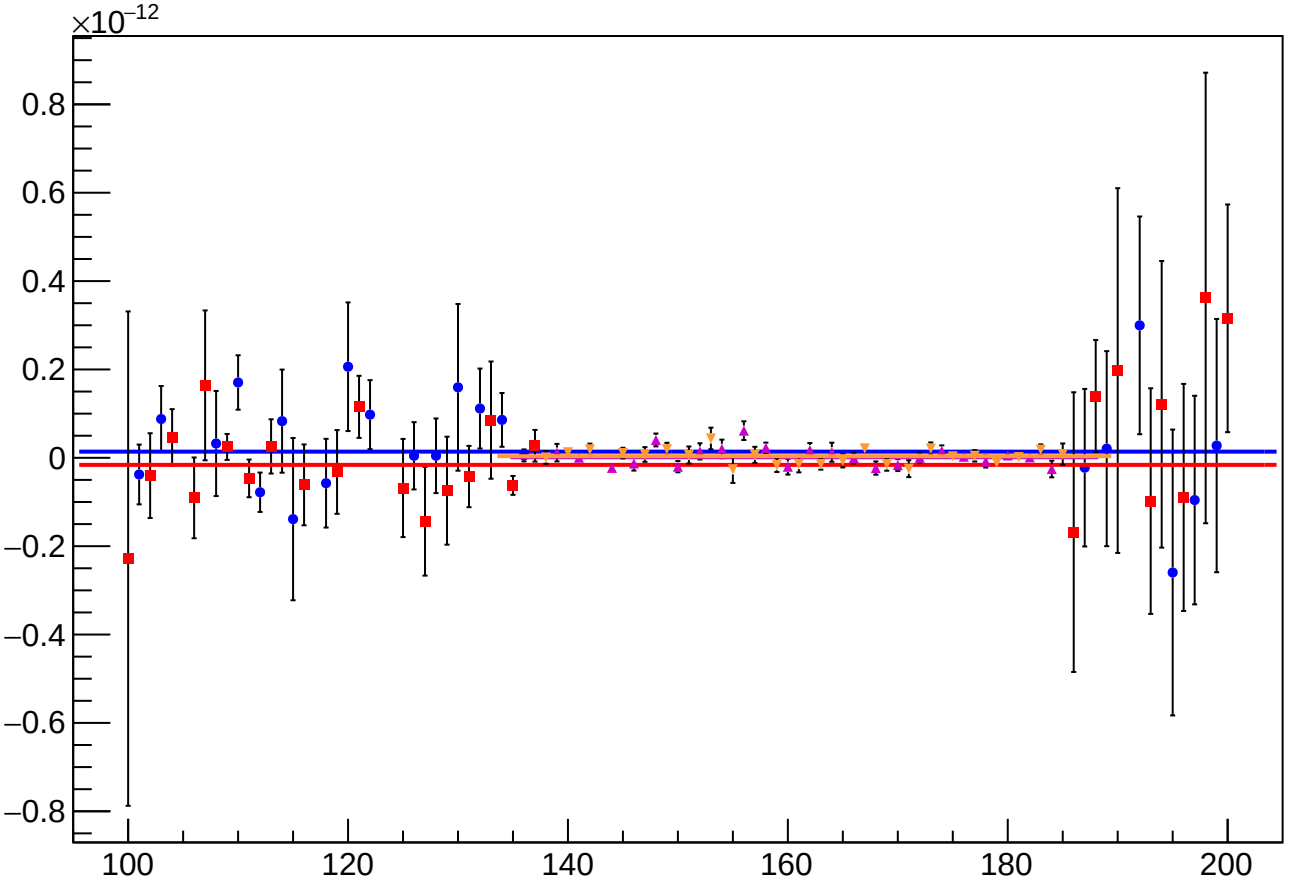
Right Out: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.071+/-0.008 χ^2/NDF: 11264955.0/45

All: 51.939+/-0.006 χ^2/NDF: 22570688.3/94

- sign 51.816+/-0.008 χ^2/NDF: 11305212.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

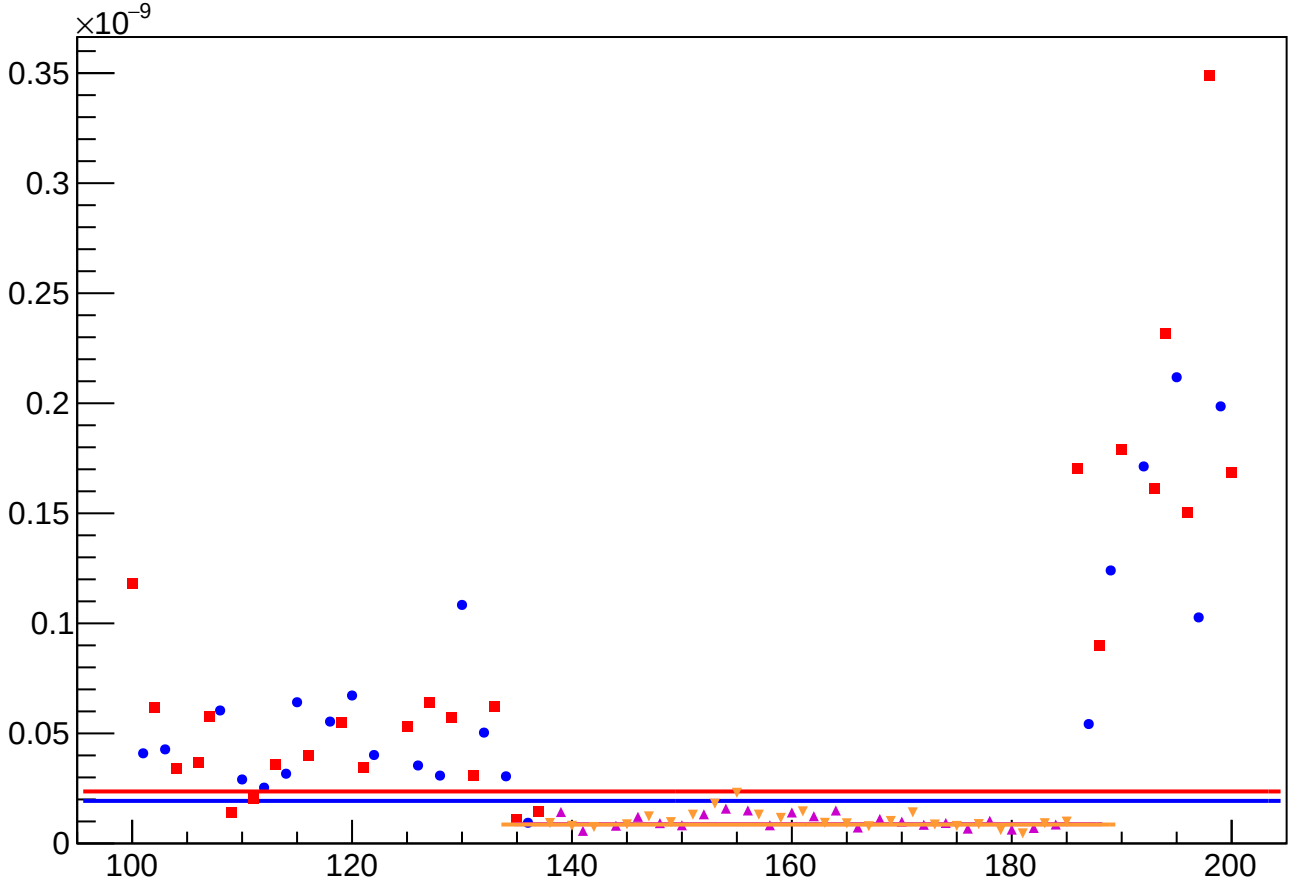
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/45

All: 0.000+/-0.000 χ^2/NDF: 113.5/94

- sign 0.000+/-0.000 χ^2/NDF: 64.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 6457999.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7300587.3/25

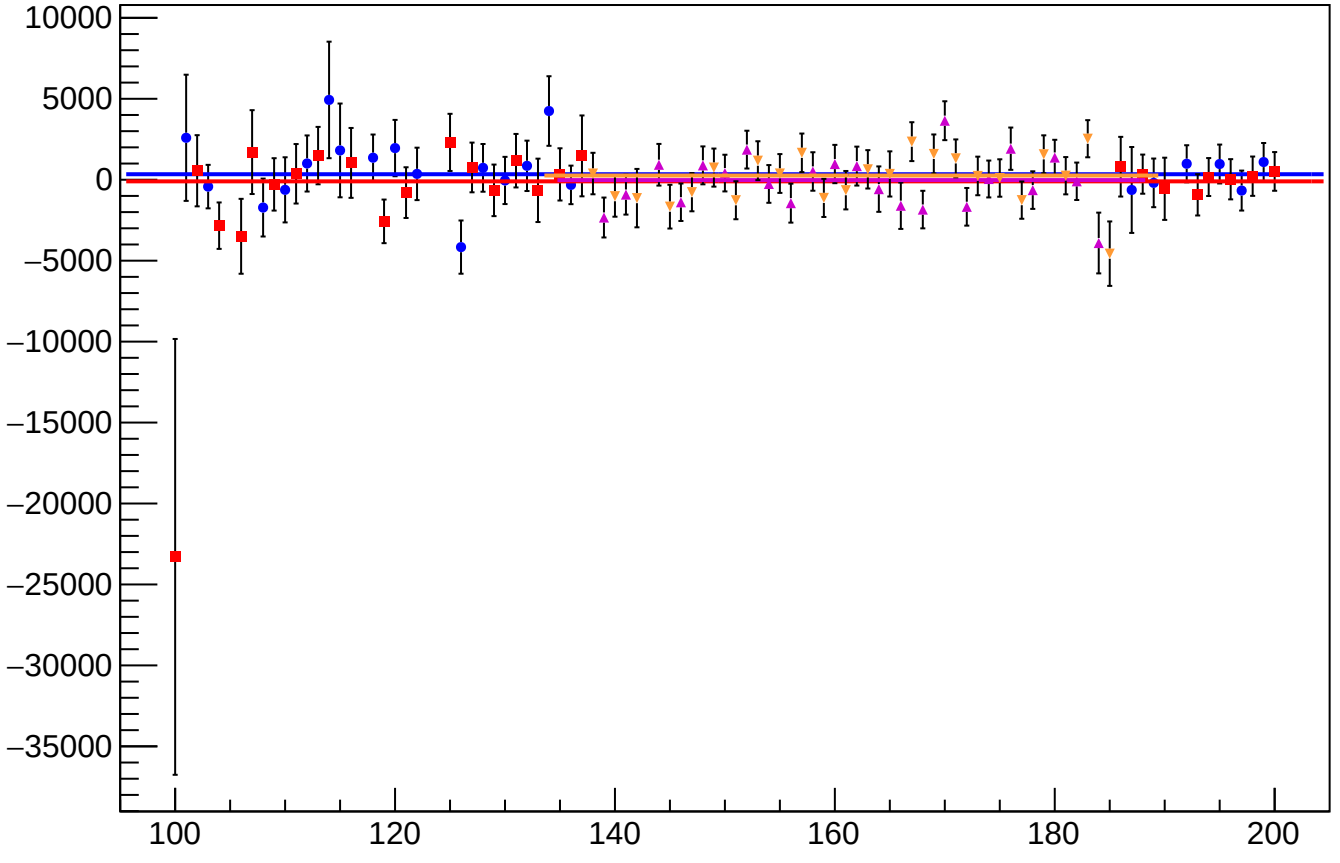
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10683661.3/45

All: 0.000+/-0.000 χ^2/NDF: 22692394.8/94

- sign 0.000+/-0.000 χ^2/NDF: 11998637.1/48

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 340.015+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -100.181+/-314.143 χ^2/NDF: 18.8/25

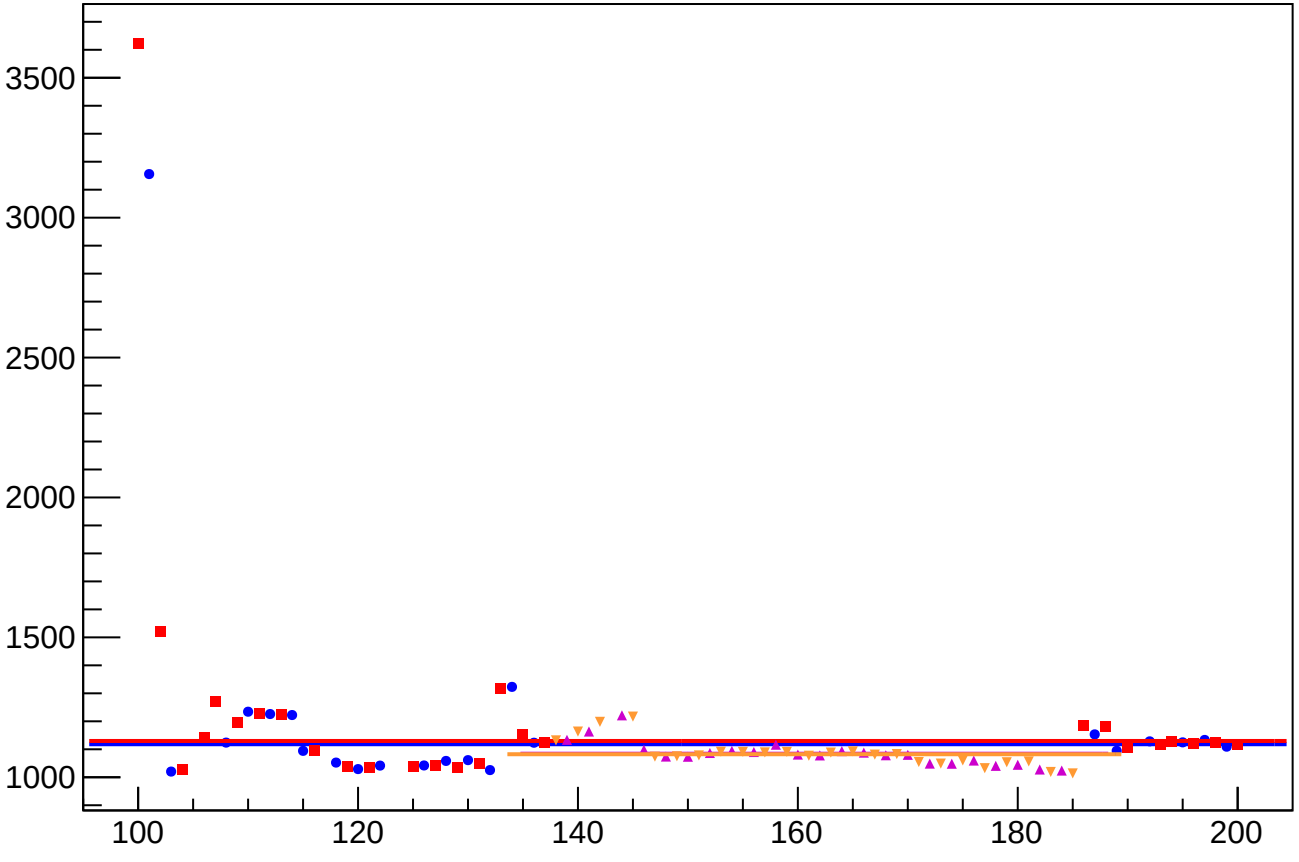
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 289.359+/-200.848 χ^2/NDF: 47.2/45

All: 115.026+/-140.713 χ^2/NDF: 103.2/94

- sign -53.031+/-197.199 χ^2/NDF: 54.6/48

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624913.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

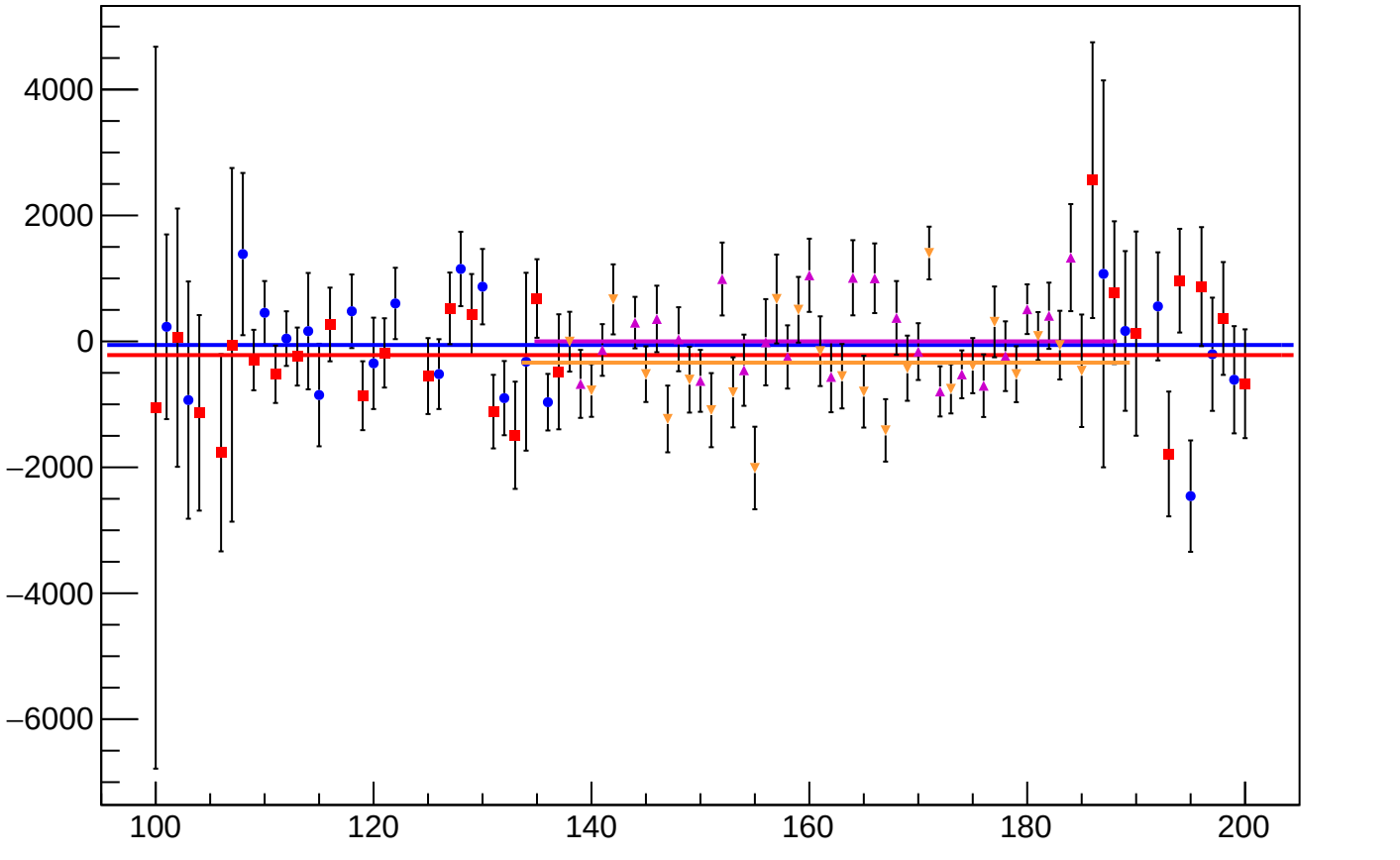
Right Out: 1129.709+/-0.222 χ^2/NDF: 228741.3/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.239+/-0.142 χ^2/NDF: 697415.5/45

All: 1098.739+/-0.099 χ^2/NDF: 1006259.5/94

- sign 1102.113+/-0.139 χ^2/NDF: 307651.4/48



Right In: -57.428+/-149.997 χ^2/NDF: 27.9/21

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -217.766+/-143.506 χ^2/NDF: 22.7/25

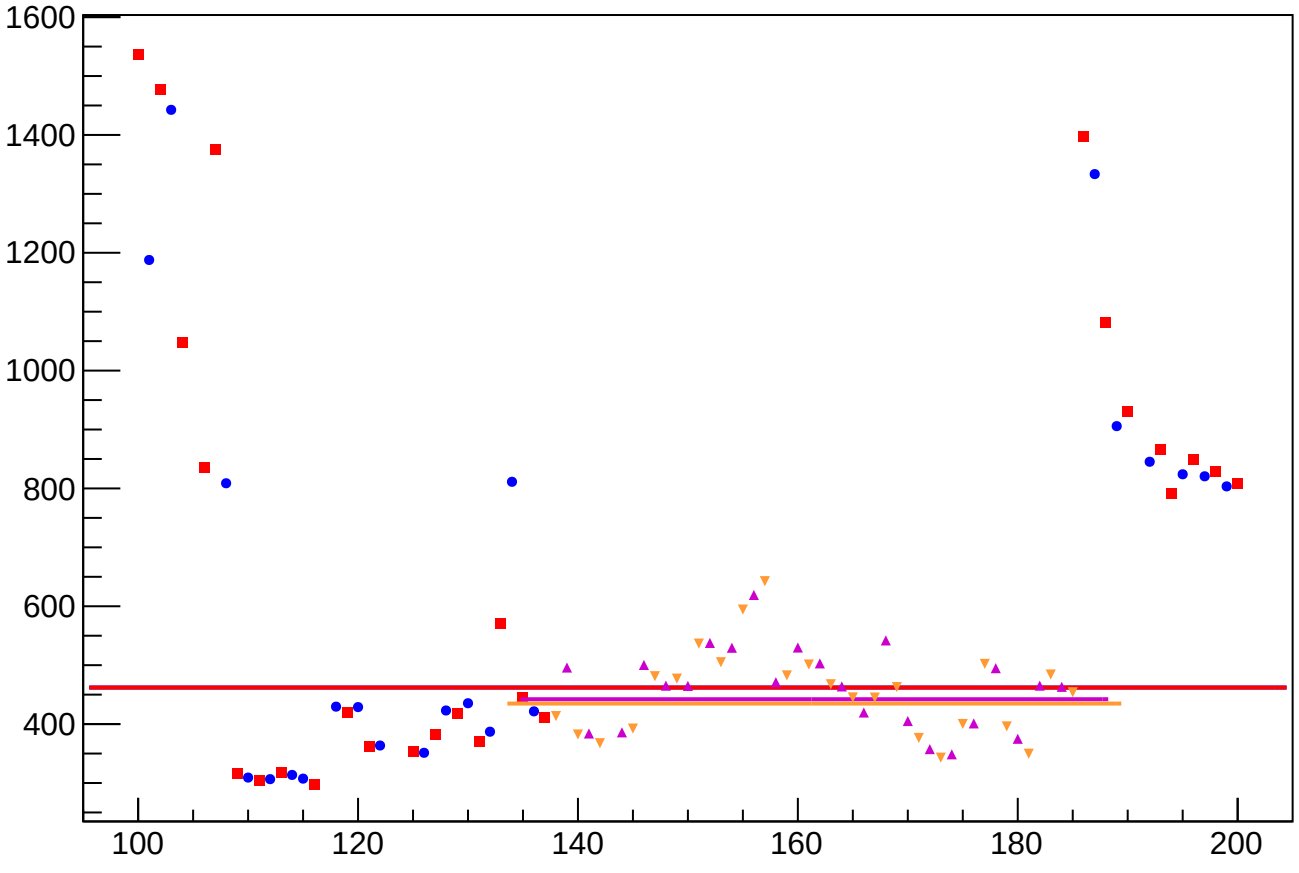
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -248.382+/-84.685 χ^2/NDF: 79.1/45

All: -161.764+/-59.851 χ^2/NDF: 137.2/94

- sign -75.323+/-84.599 χ^2/NDF: 56.1/48

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 462.097+/-0.106 χ^2/NDF: 3854304.6/21

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 461.958+/-0.101 χ^2/NDF: 5005506.6/25

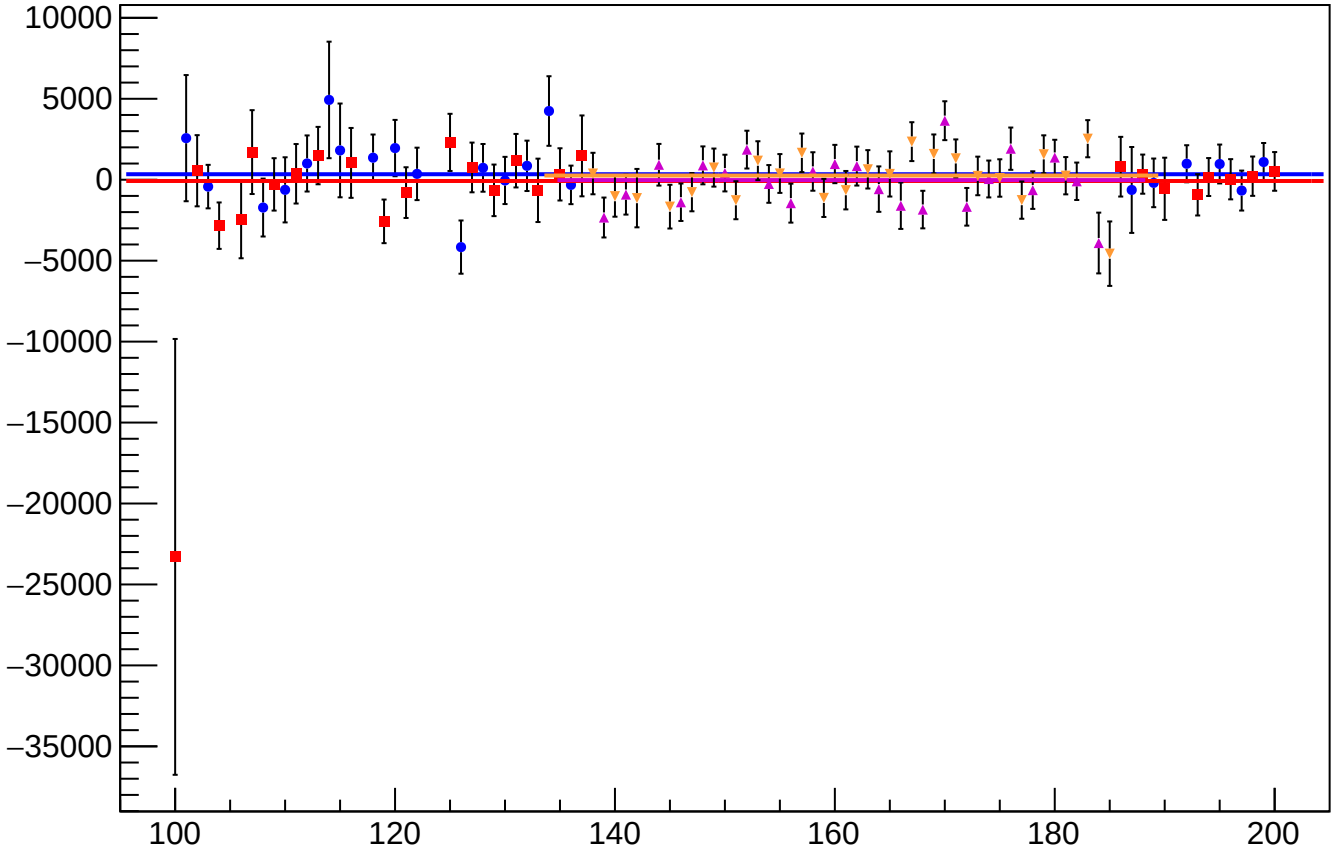
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 443.541+/-0.060 χ^2/NDF: 4777650.4/45

All: 446.309+/-0.042 χ^2/NDF: 10638115.8/94

- sign 449.072+/-0.060 χ^2/NDF: 5856194.5/48

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -77.410+/-314.366 χ^2/NDF: 17.6/25

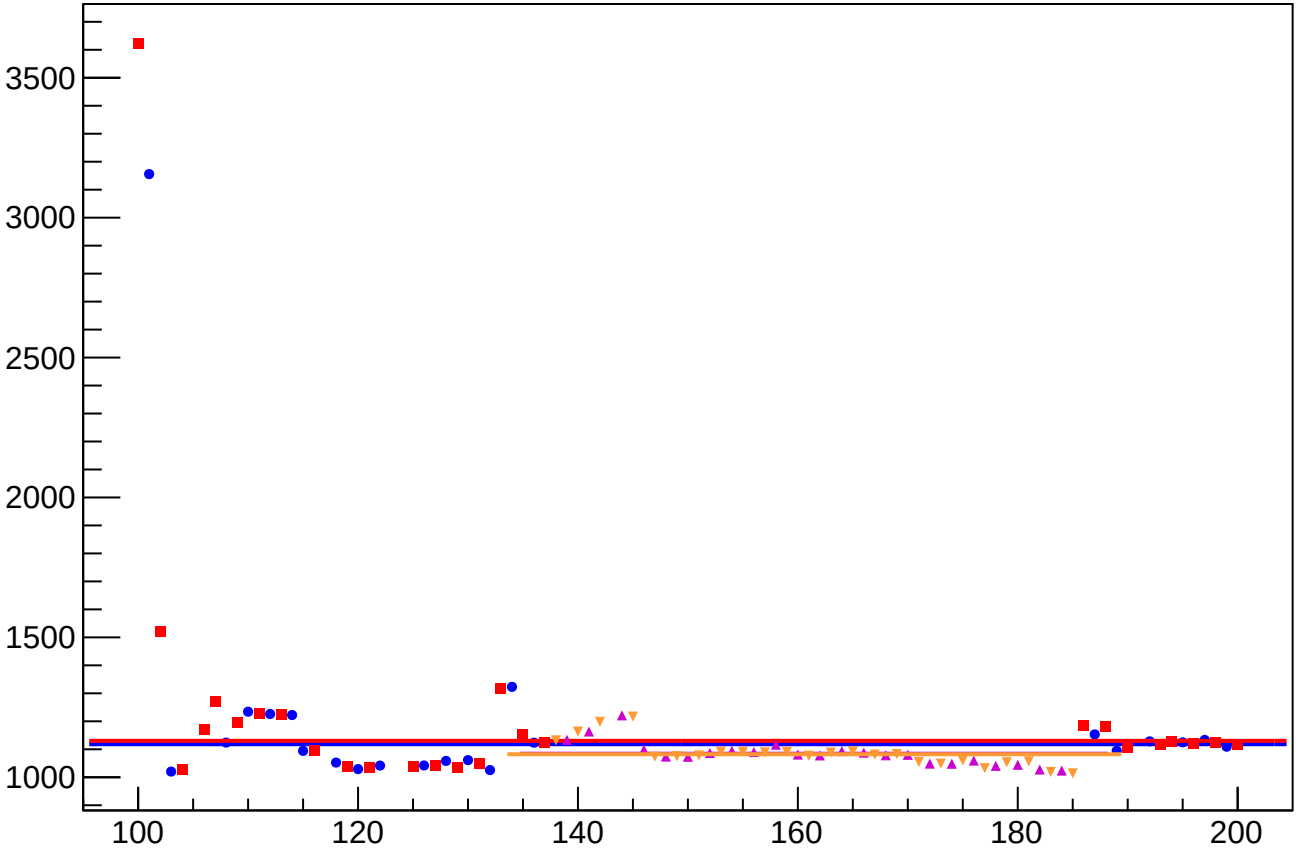
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 289.290+/-200.848 χ^2/NDF: 47.2/45

All: 119.619+/-140.733 χ^2/NDF: 101.9/94

- sign -44.035+/-197.255 χ^2/NDF: 53.4/48

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

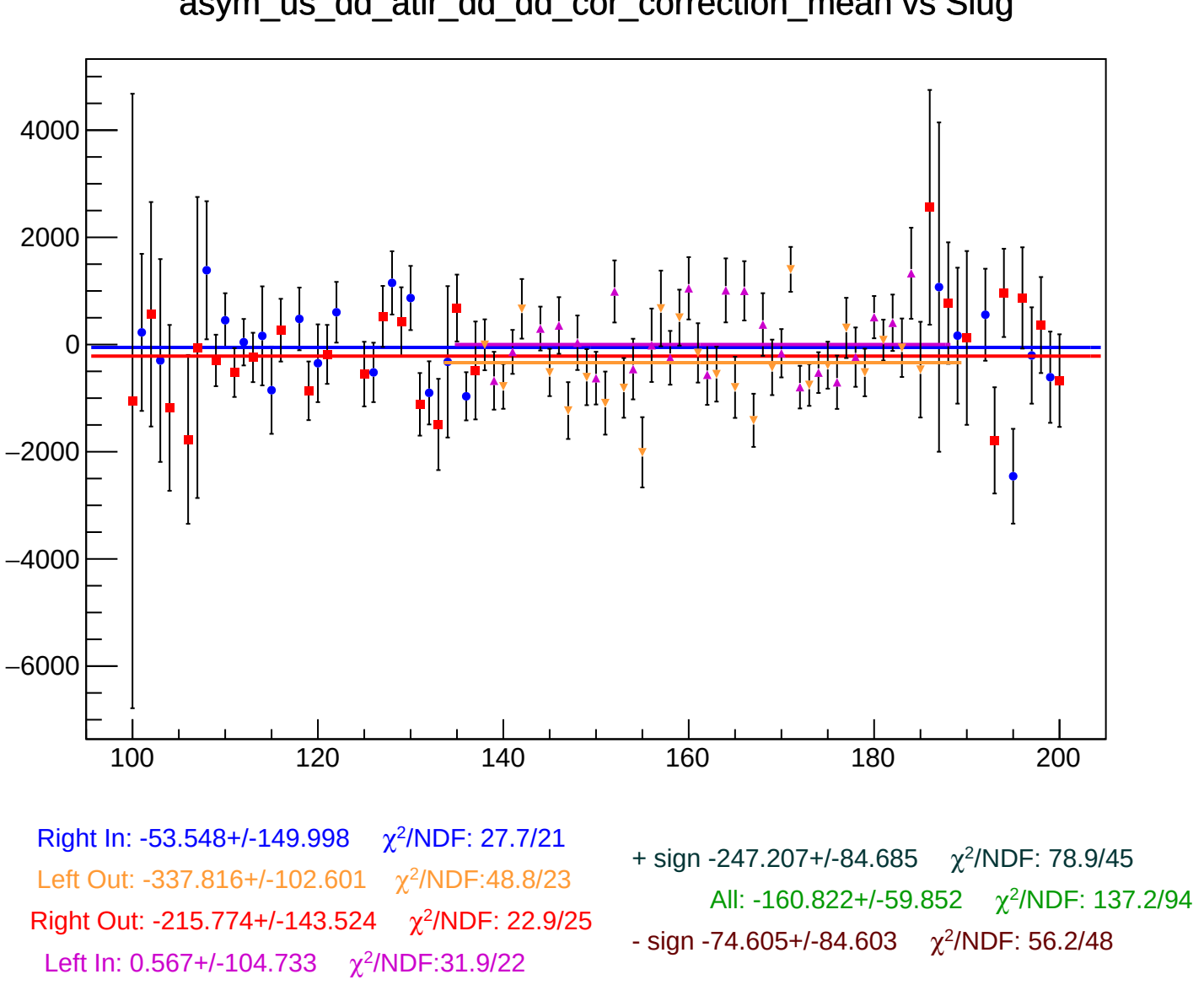
Right Out: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

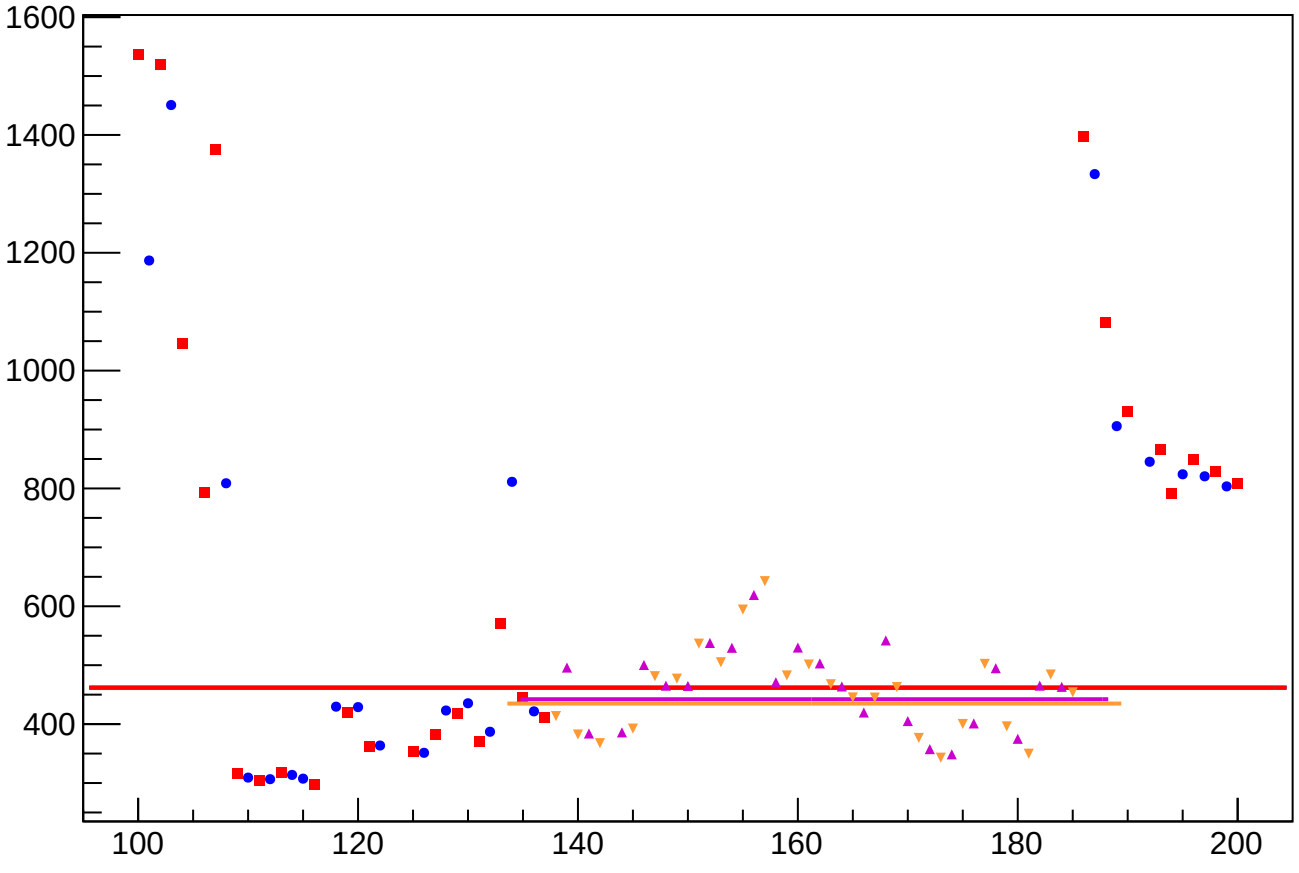
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.239+/-0.142 χ^2/NDF: 697416.4/45

All: 1098.834+/-0.100 χ^2/NDF: 1007449.1/94

- sign 1102.301+/-0.139 χ^2/NDF: 308774.0/48


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -53.548+/-149.998 χ²/NDF: 27.7/21
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -215.774+/-143.524 χ²/NDF: 22.9/25
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -247.207+/-84.685 χ²/NDF: 78.9/45
All: -160.822+/-59.852 χ²/NDF: 137.2/94
- sign -74.605+/-84.603 χ²/NDF: 56.2/48



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

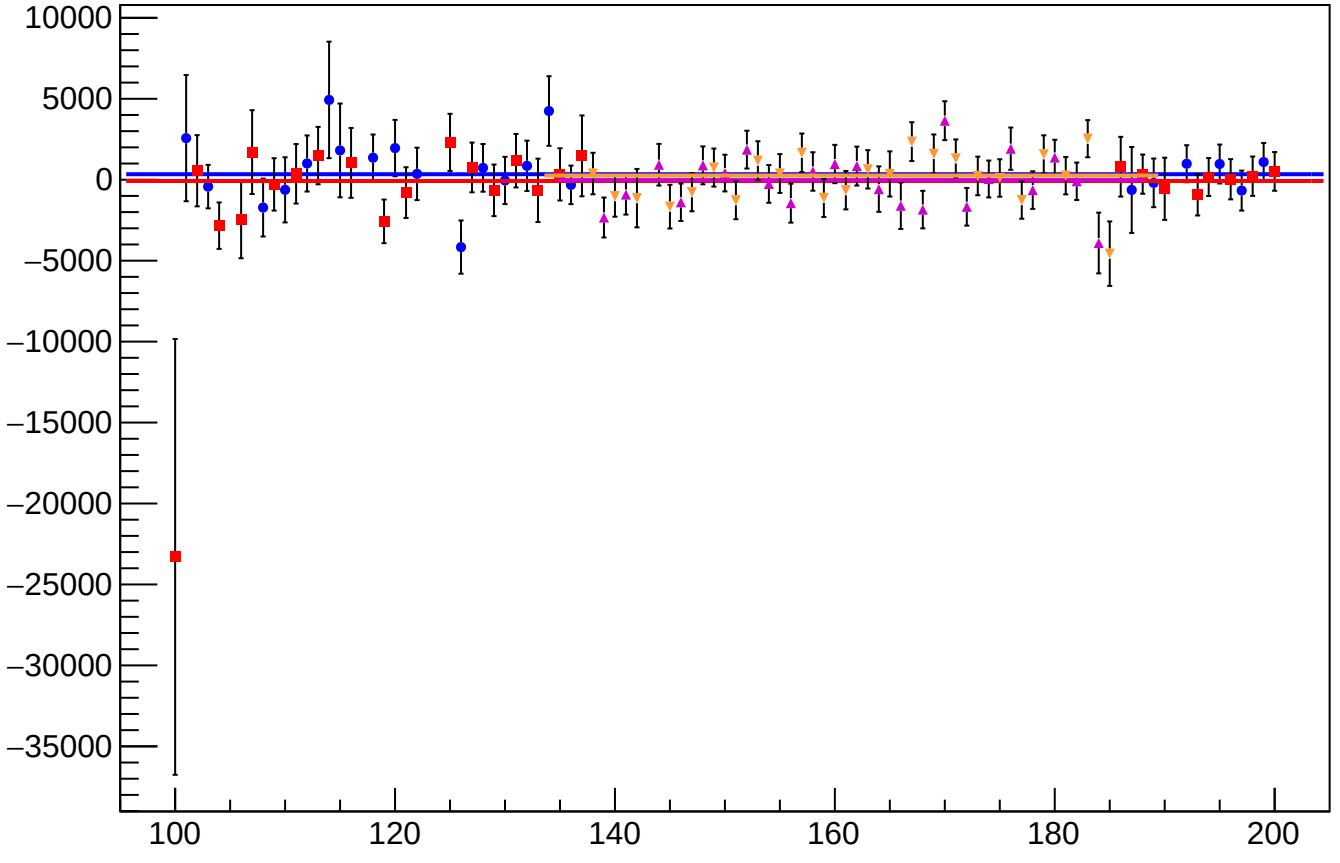
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 443.536+/-0.060 χ^2/NDF: 4781504.3/45

All: 446.242+/-0.042 χ^2/NDF: 10634418.4/94

- sign 448.942+/-0.060 χ^2/NDF: 5848834.3/48

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -77.410+/-314.366 χ^2/NDF: 17.6/25

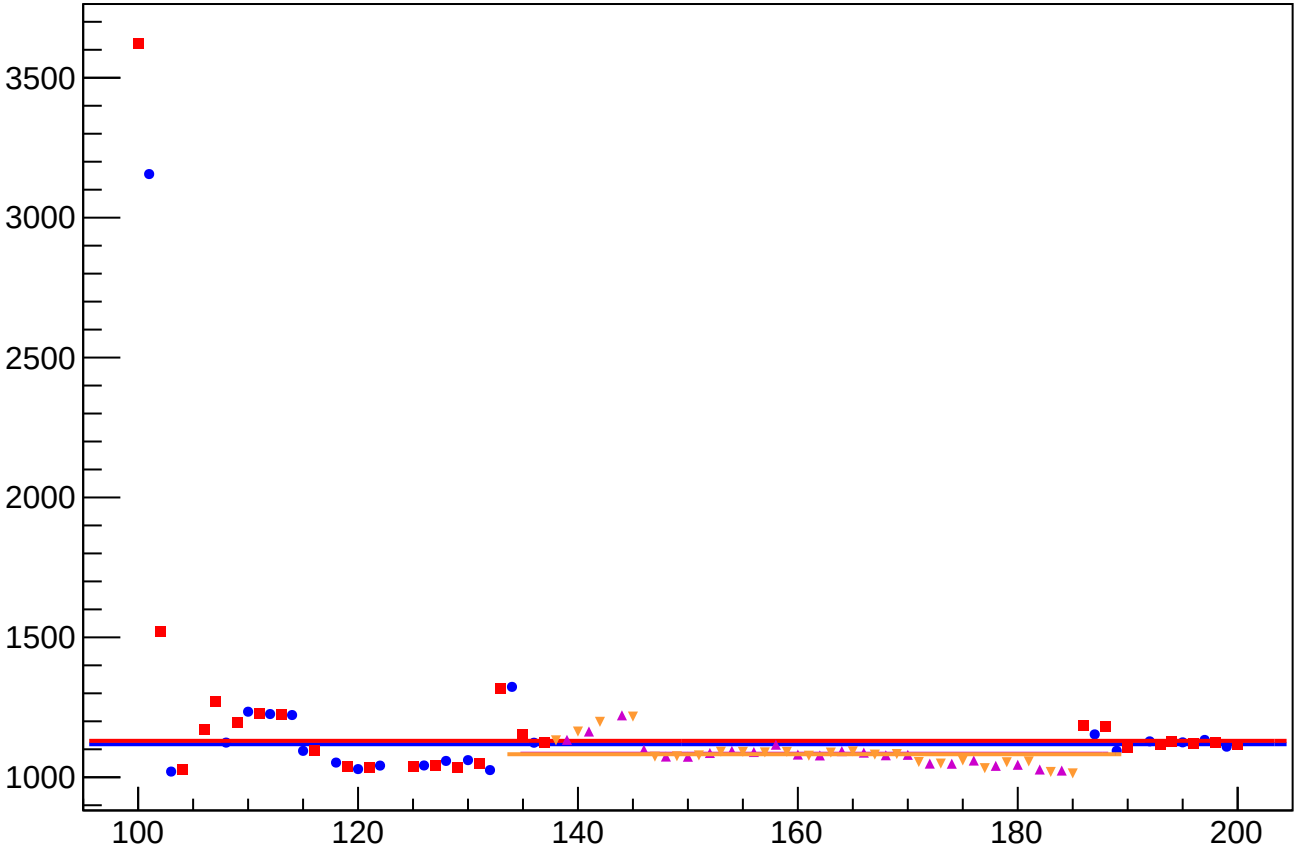
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 289.290+/-200.848 χ^2/NDF: 47.2/45

All: 119.619+/-140.733 χ^2/NDF: 101.9/94

- sign -44.035+/-197.255 χ^2/NDF: 53.4/48

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

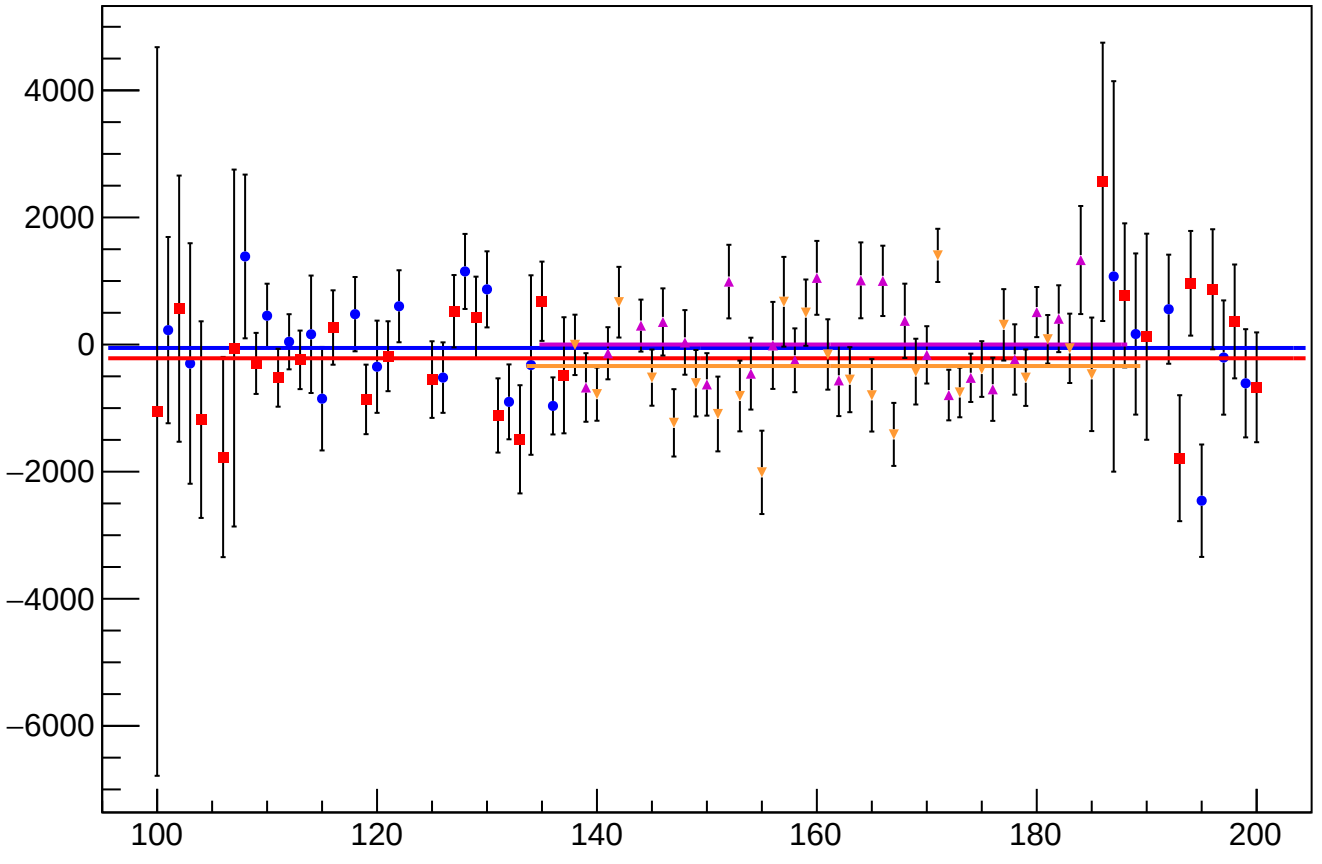
Right Out: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.239+/-0.142 χ^2/NDF: 697416.4/45

All: 1098.834+/-0.100 χ^2/NDF: 1007449.1/94

- sign 1102.301+/-0.139 χ^2/NDF: 308774.0/48



Right In: -53.548+/-149.998 χ^2/NDF: 27.7/21

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

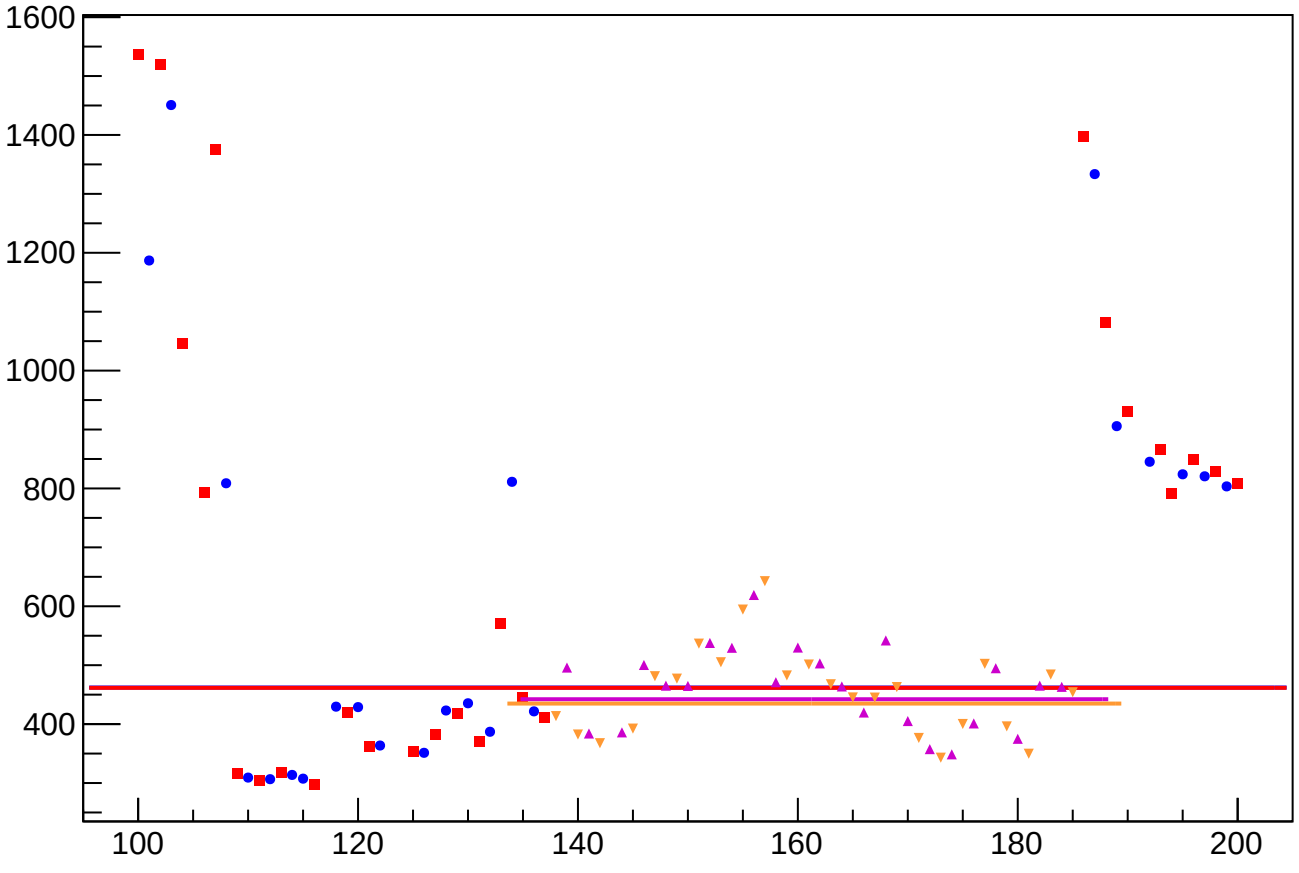
Right Out: -215.774+/-143.524 χ^2/NDF: 22.9/25

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -247.207+/-84.685 χ^2/NDF: 78.9/45

All: -160.822+/-59.852 χ^2/NDF: 137.2/94

- sign -74.605+/-84.603 χ^2/NDF: 56.2/48



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

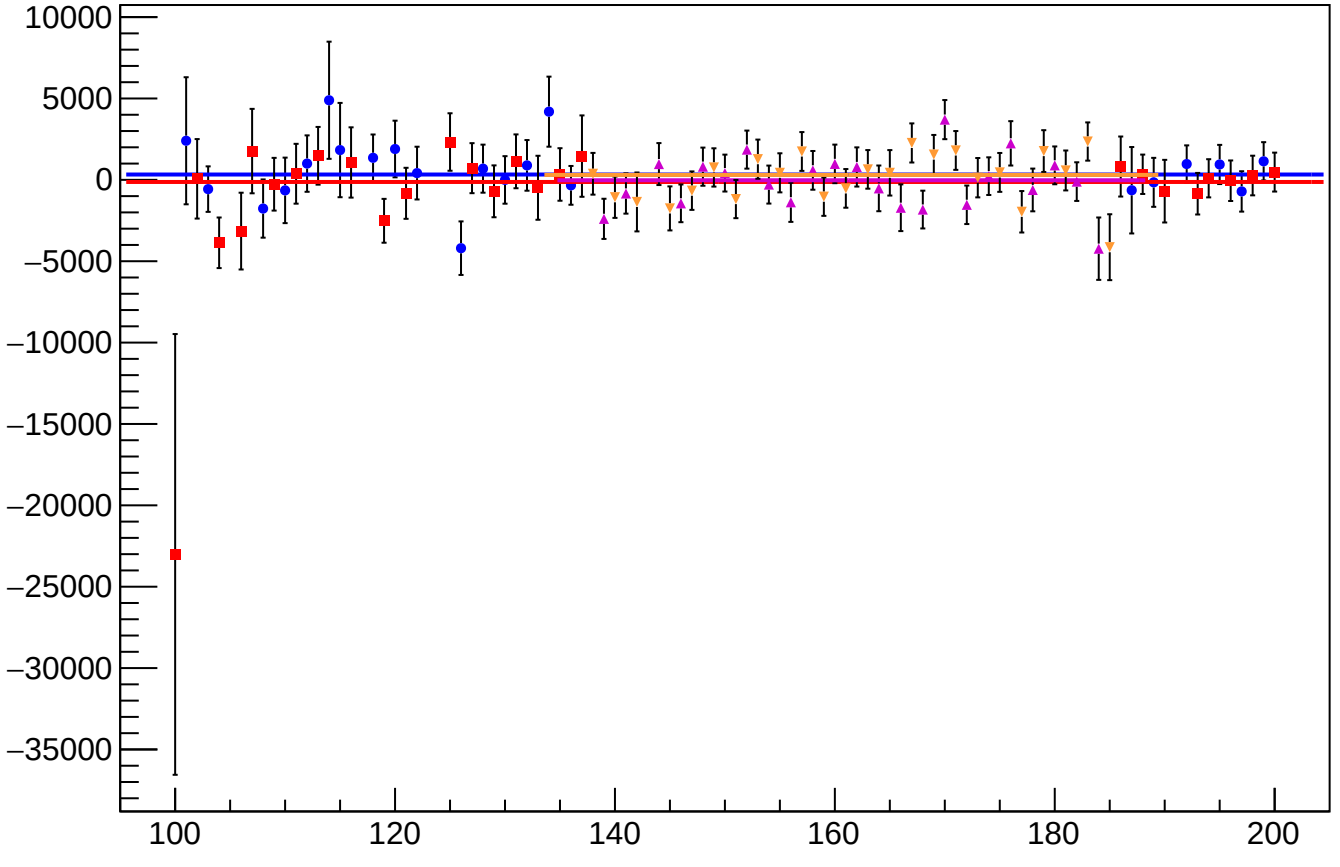
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 443.536+/-0.060 χ^2/NDF: 4781504.3/45

All: 446.242+/-0.042 χ^2/NDF: 10634418.4/94

- sign 448.942+/-0.060 χ^2/NDF: 5848834.3/48

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 327.825+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.987+/-316.326 χ^2/NDF: 20.1/25

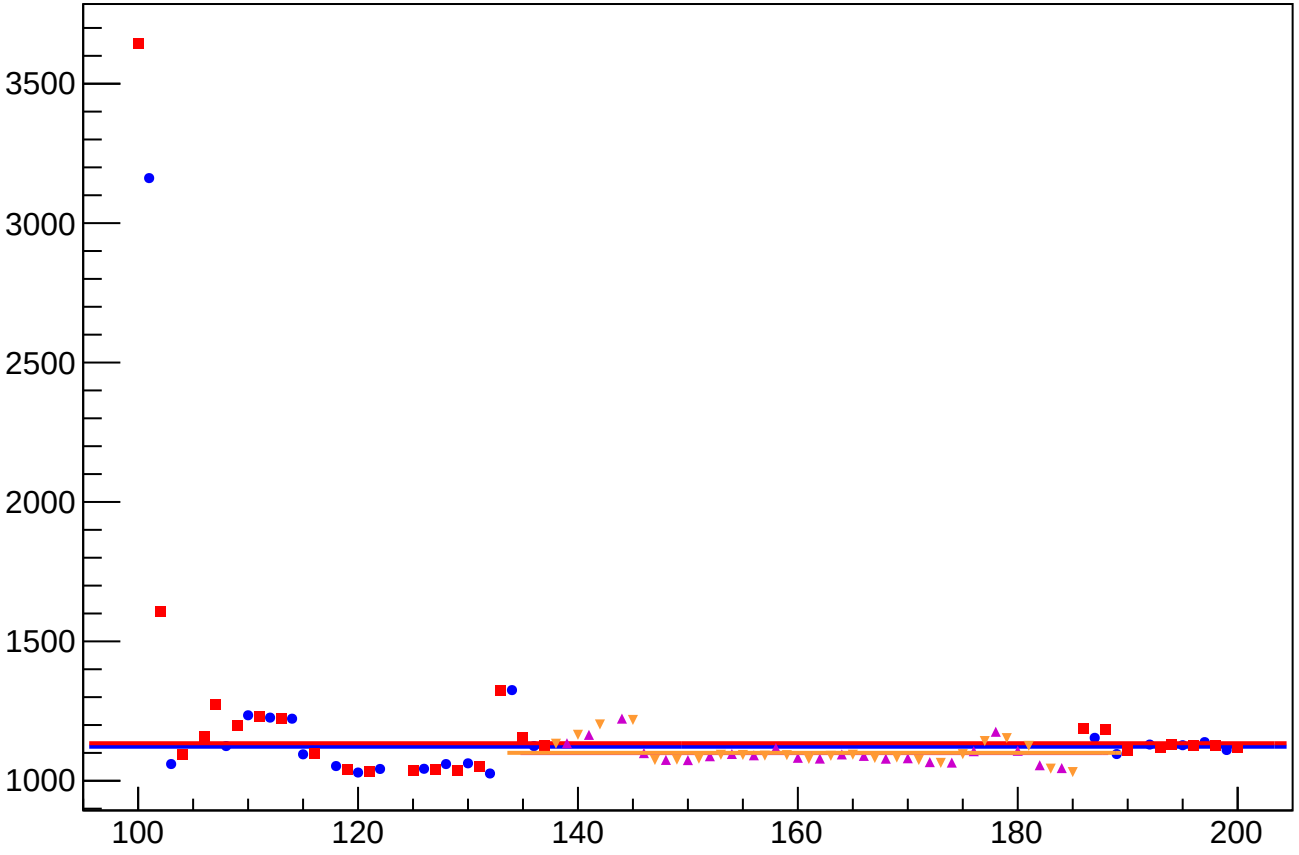
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 312.382+/-203.218 χ^2/NDF: 47.5/45

All: 119.142+/-142.329 χ^2/NDF: 105.2/94

- sign -66.911+/-199.403 χ^2/NDF: 56.0/48

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.1/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1134.730+/-0.224 χ^2/NDF: 233597.3/25

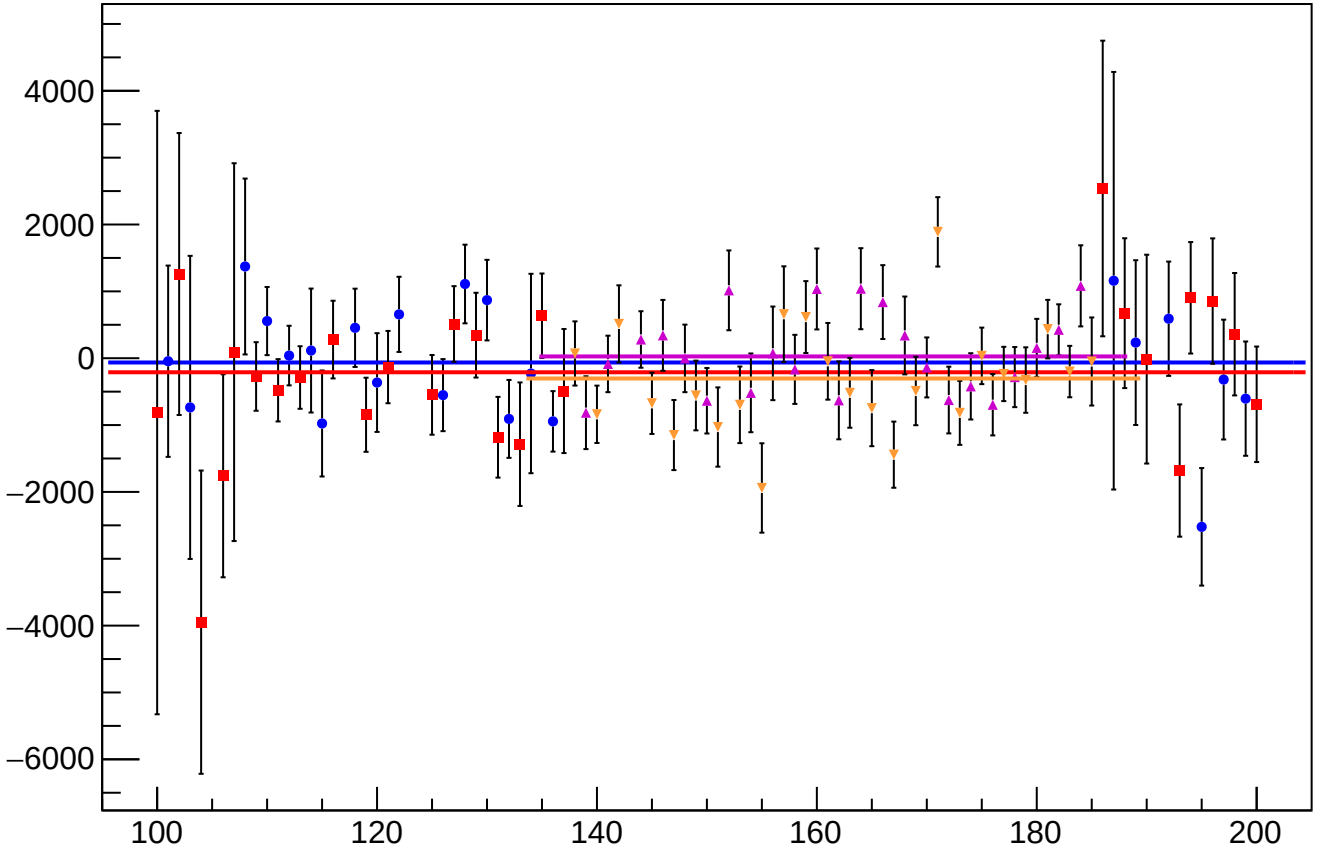
Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.313+/-0.144 χ^2/NDF: 672802.0/45

All: 1110.907+/-0.101 χ^2/NDF: 966908.7/94

- sign 1113.404+/-0.141 χ^2/NDF: 293467.2/48

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: -63.927+/-150.390 χ^2/NDF: 29.0/21

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -210.240+/-145.582 χ^2/NDF: 23.4/25

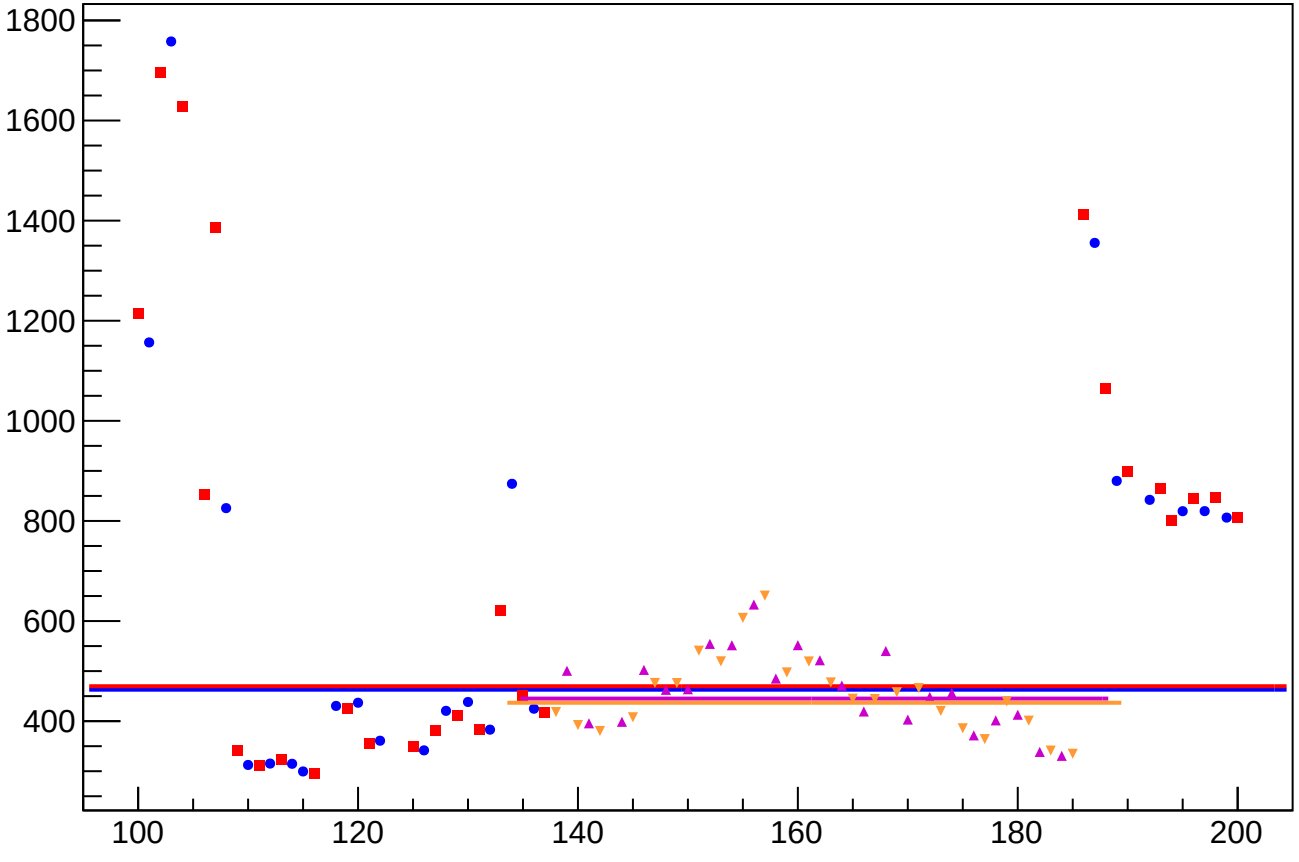
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -226.833+/-84.968 χ^2/NDF: 80.2/45

All: -141.227+/-60.228 χ^2/NDF: 135.3/94

- sign -54.779+/-85.385 χ^2/NDF: 53.0/48

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 462.893+/-0.106 χ^2/NDF: 3953389.3/21

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

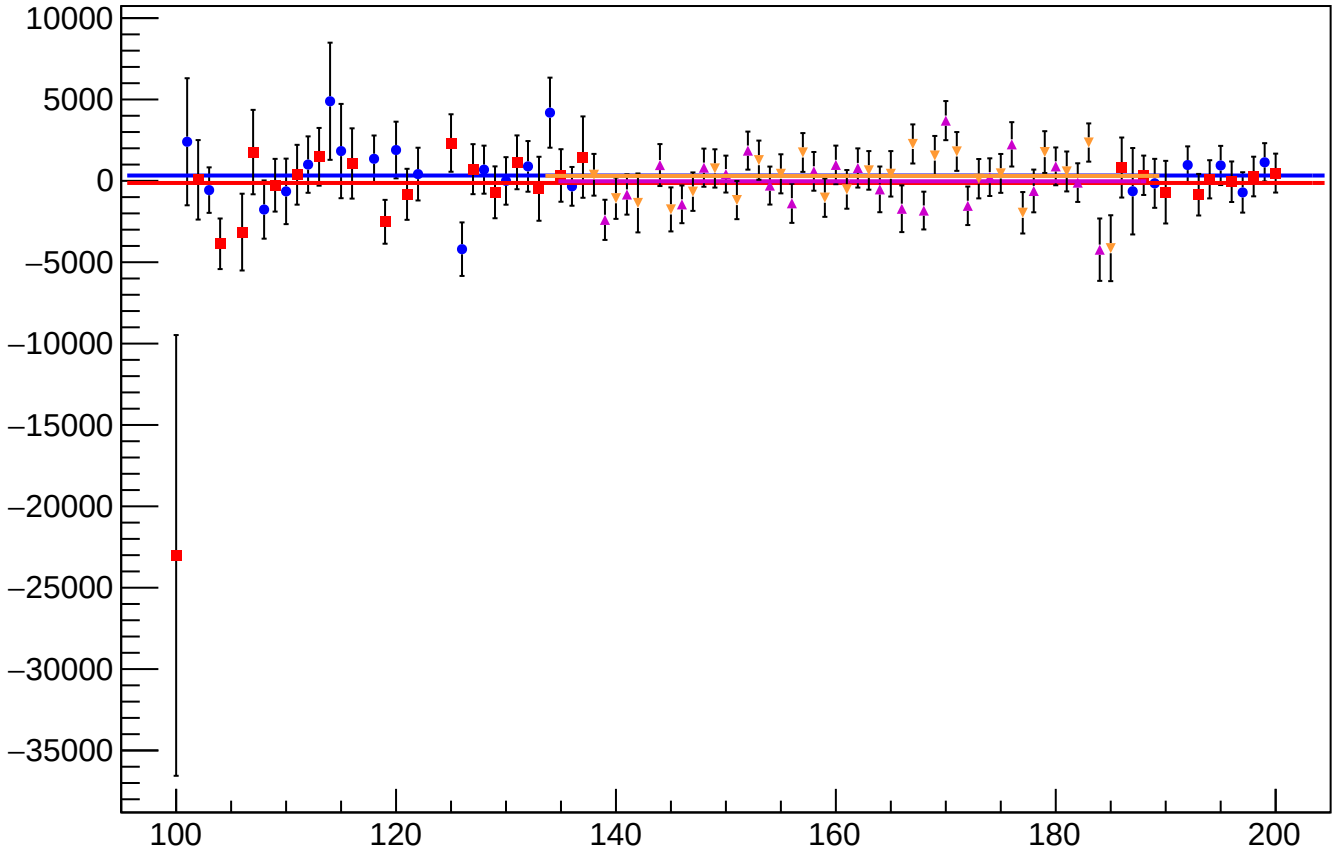
Right Out: 469.772+/-0.103 χ^2/NDF: 5347614.1/25

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 445.120+/-0.060 χ^2/NDF: 4849624.7/45

All: 449.336+/-0.043 χ^2/NDF: 11119321.8/94

- sign 453.593+/-0.060 χ^2/NDF: 6259803.4/48



Right In: 327.828+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.988+/-316.326 χ^2/NDF: 20.1/25

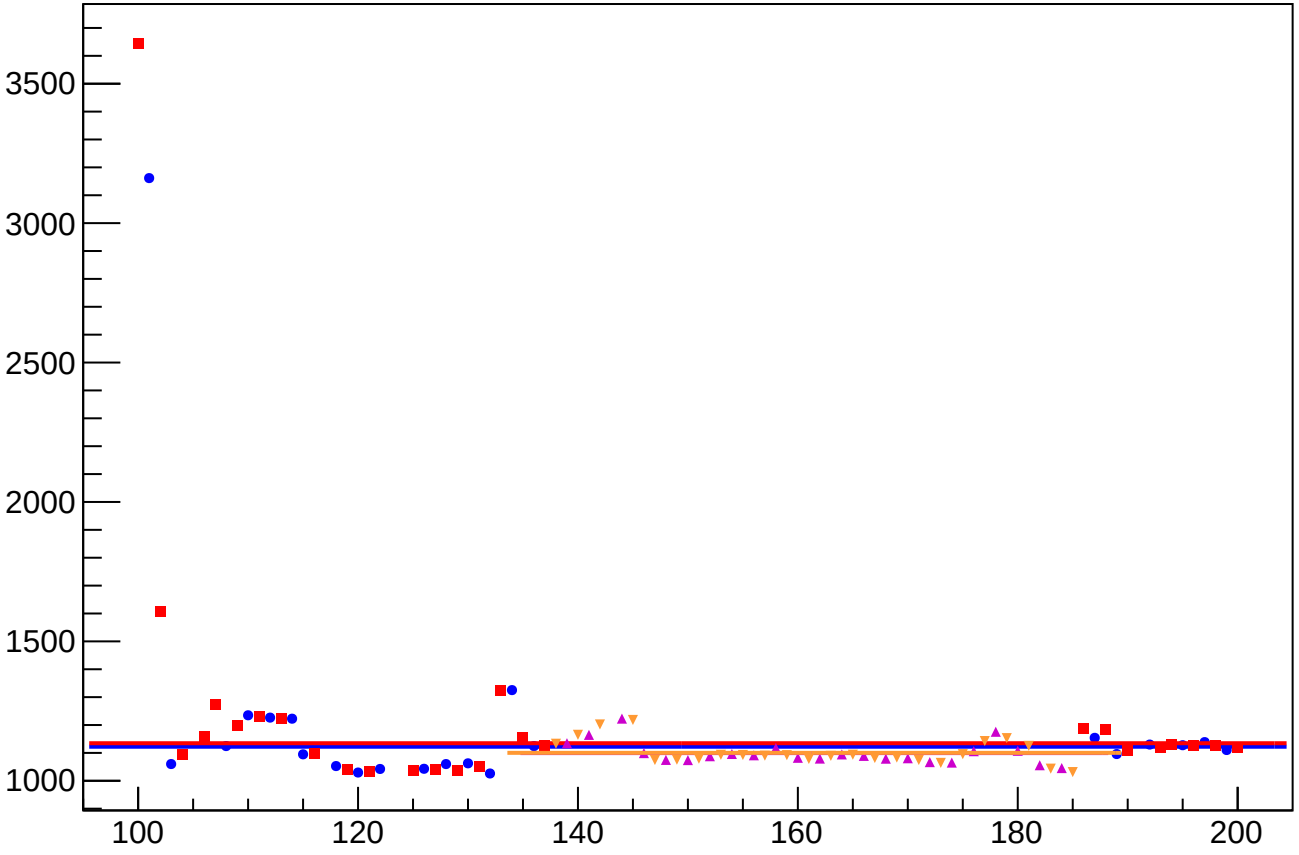
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 312.382+/-203.218 χ^2/NDF: 47.5/45

All: 119.142+/-142.329 χ^2/NDF: 105.2/94

- sign -66.912+/-199.403 χ^2/NDF: 56.0/48

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.0/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

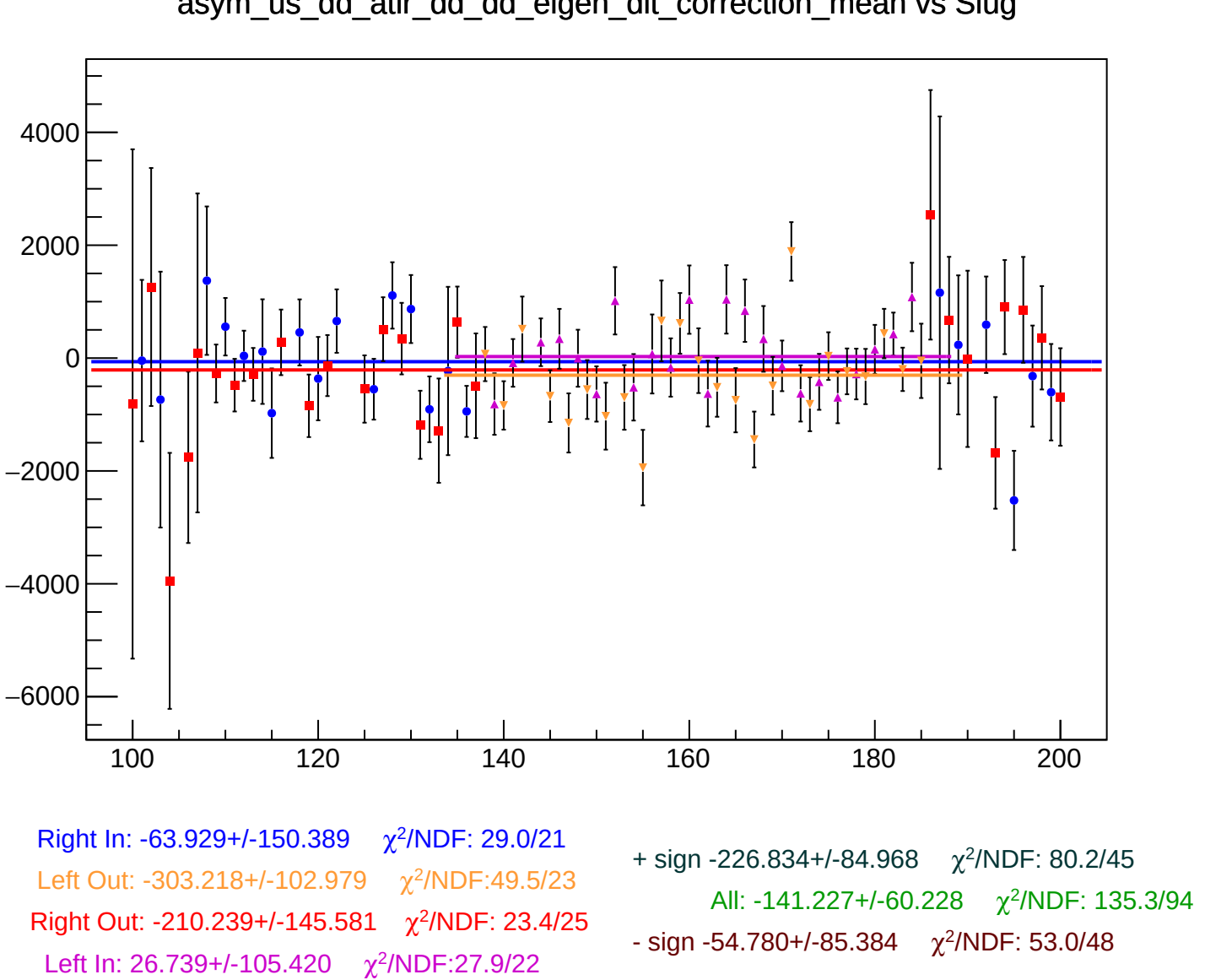
Right Out: 1134.730+/-0.224 χ^2/NDF: 233597.4/25

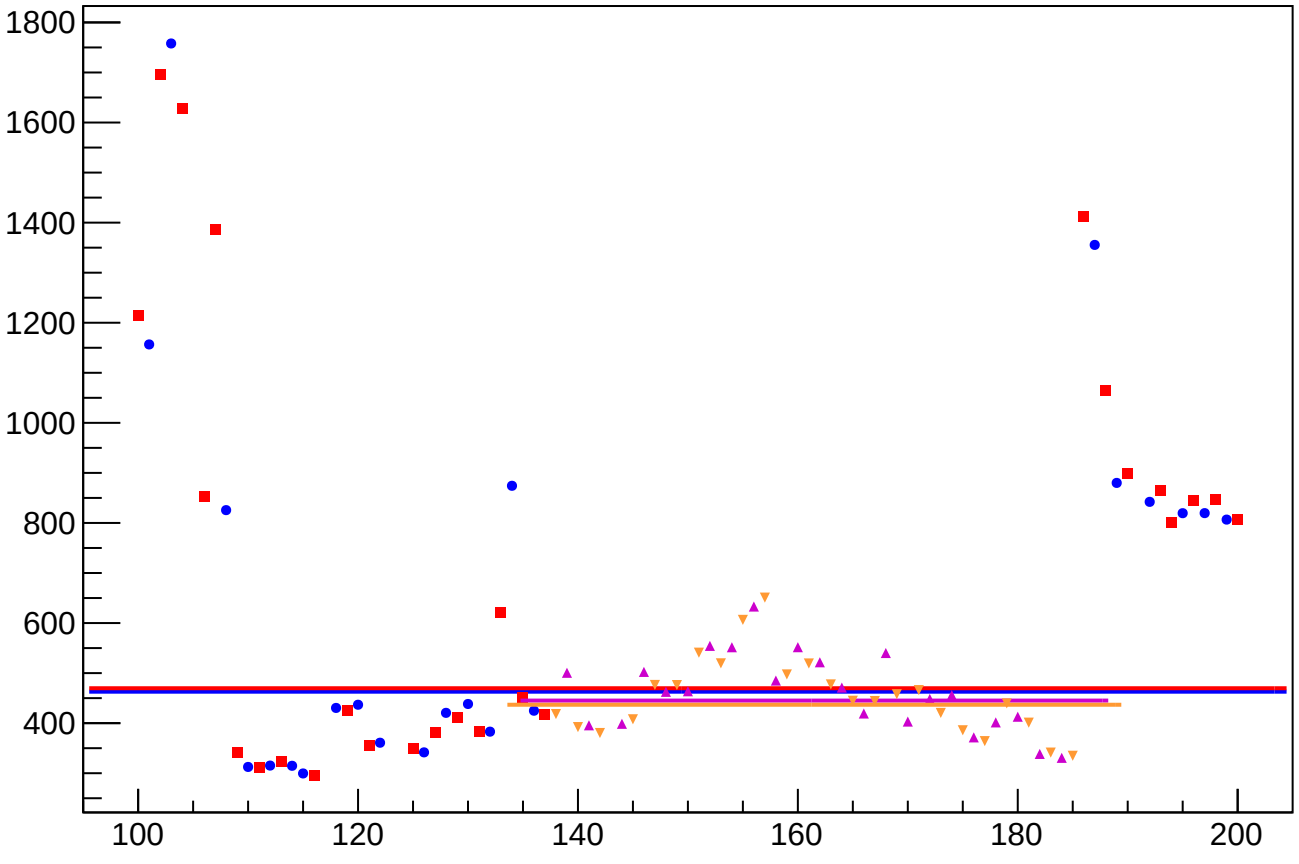
Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.313+/-0.144 χ^2/NDF: 672802.2/45

All: 1110.907+/-0.101 χ^2/NDF: 966909.0/94

- sign 1113.404+/-0.141 χ^2/NDF: 293467.4/48


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -63.929+/-150.389 χ²/NDF: 29.0/21
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: -210.239+/-145.581 χ²/NDF: 23.4/25
Left In: 26.739+/-105.420 χ²/NDF:27.9/22
+ sign -226.834+/-84.968 χ²/NDF: 80.2/45
All: -141.227+/-60.228 χ²/NDF: 135.3/94
- sign -54.780+/-85.384 χ²/NDF: 53.0/48



Right In: 462.890+/-0.106 χ^2/NDF: 3953417.5/21

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 469.768+/-0.103 χ^2/NDF: 5347665.9/25

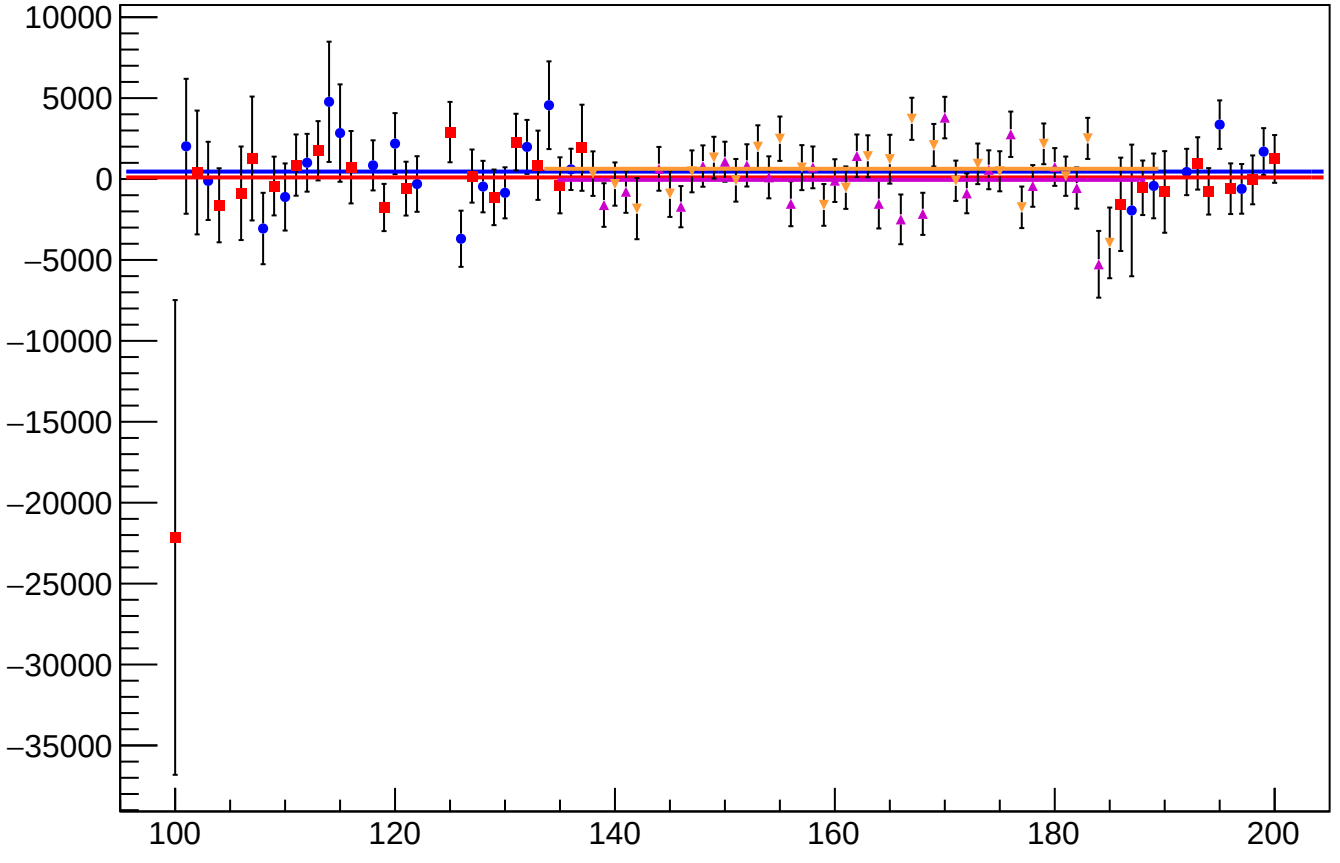
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 445.119+/-0.060 χ^2/NDF: 4849674.1/45

All: 449.334+/-0.043 χ^2/NDF: 11119447.0/94

- sign 453.591+/-0.060 χ^2/NDF: 6259879.7/48

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 460.107+/-389.752 χ^2/NDF: 21.9/21

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 99.814+/-373.104 χ^2/NDF: 13.1/25

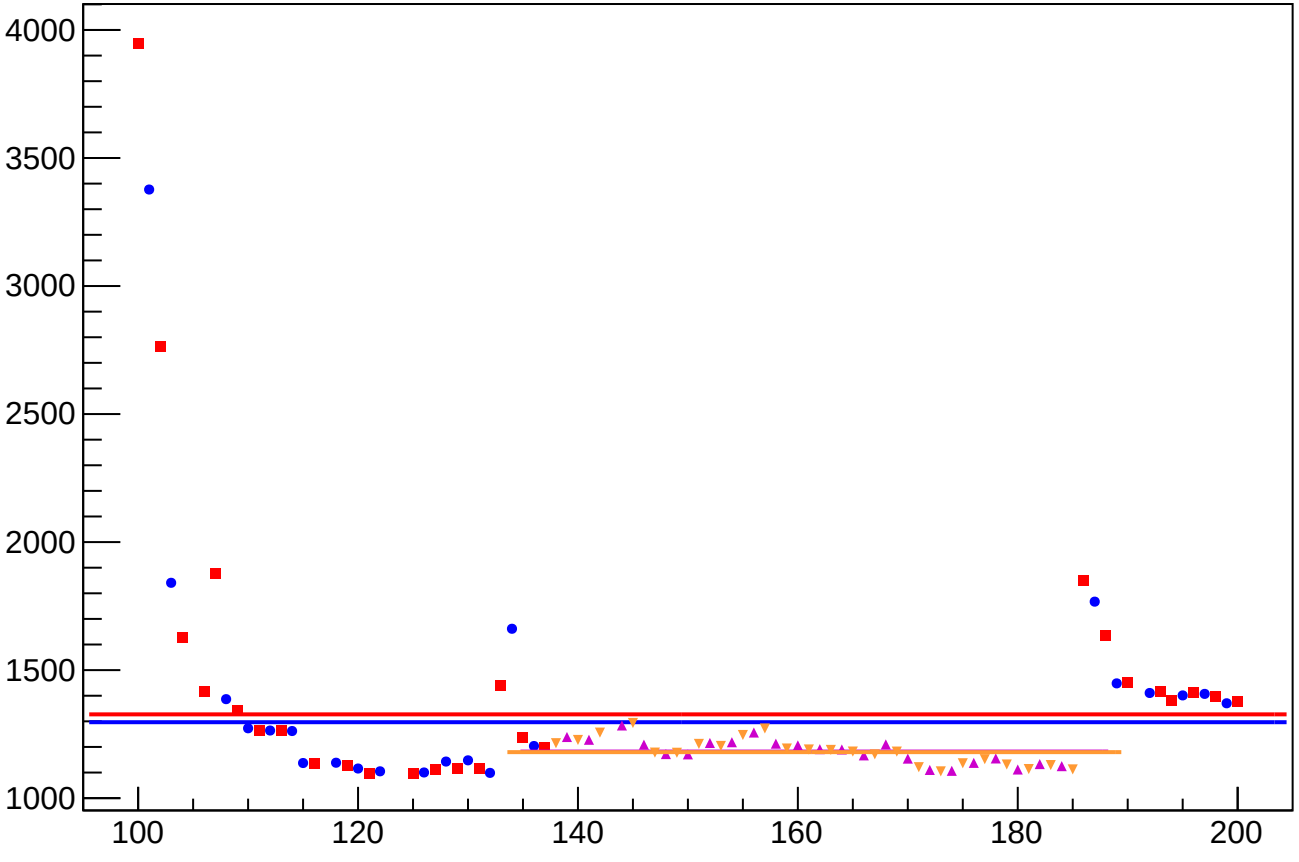
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 575.714+/-224.185 χ^2/NDF: 52.1/45

All: 286.297+/-157.744 χ^2/NDF: 103.6/94

- sign 2.499+/-221.998 χ^2/NDF: 48.2/48

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1296.597+/-0.276 χ^2/NDF: 887323.1/21

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

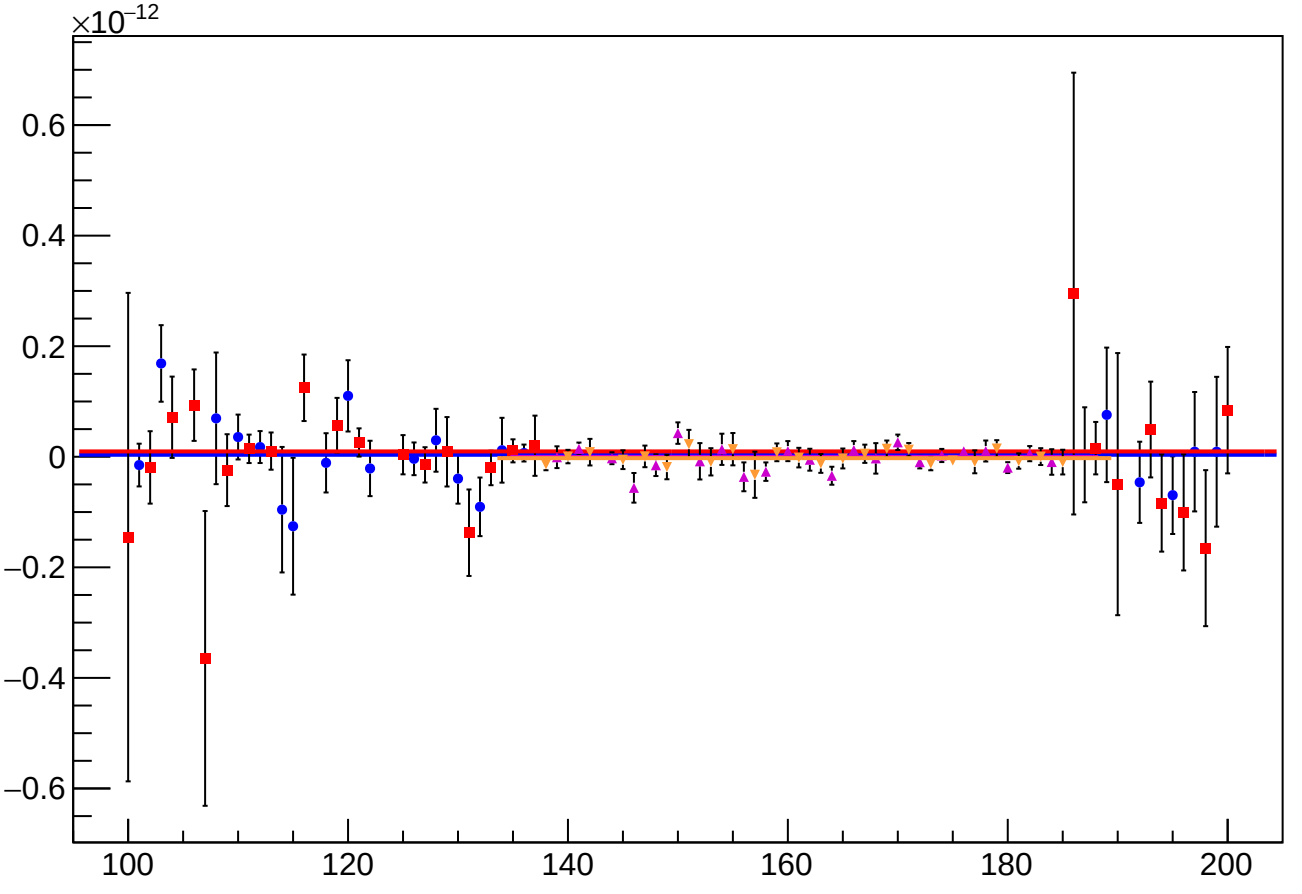
Right Out: 1327.233+/-0.264 χ^2/NDF: 818495.7/25

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1218.385+/-0.159 χ^2/NDF: 1072350.2/45

All: 1225.951+/-0.112 χ^2/NDF: 2151661.6/94

- sign 1233.371+/-0.157 χ^2/NDF: 1074798.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

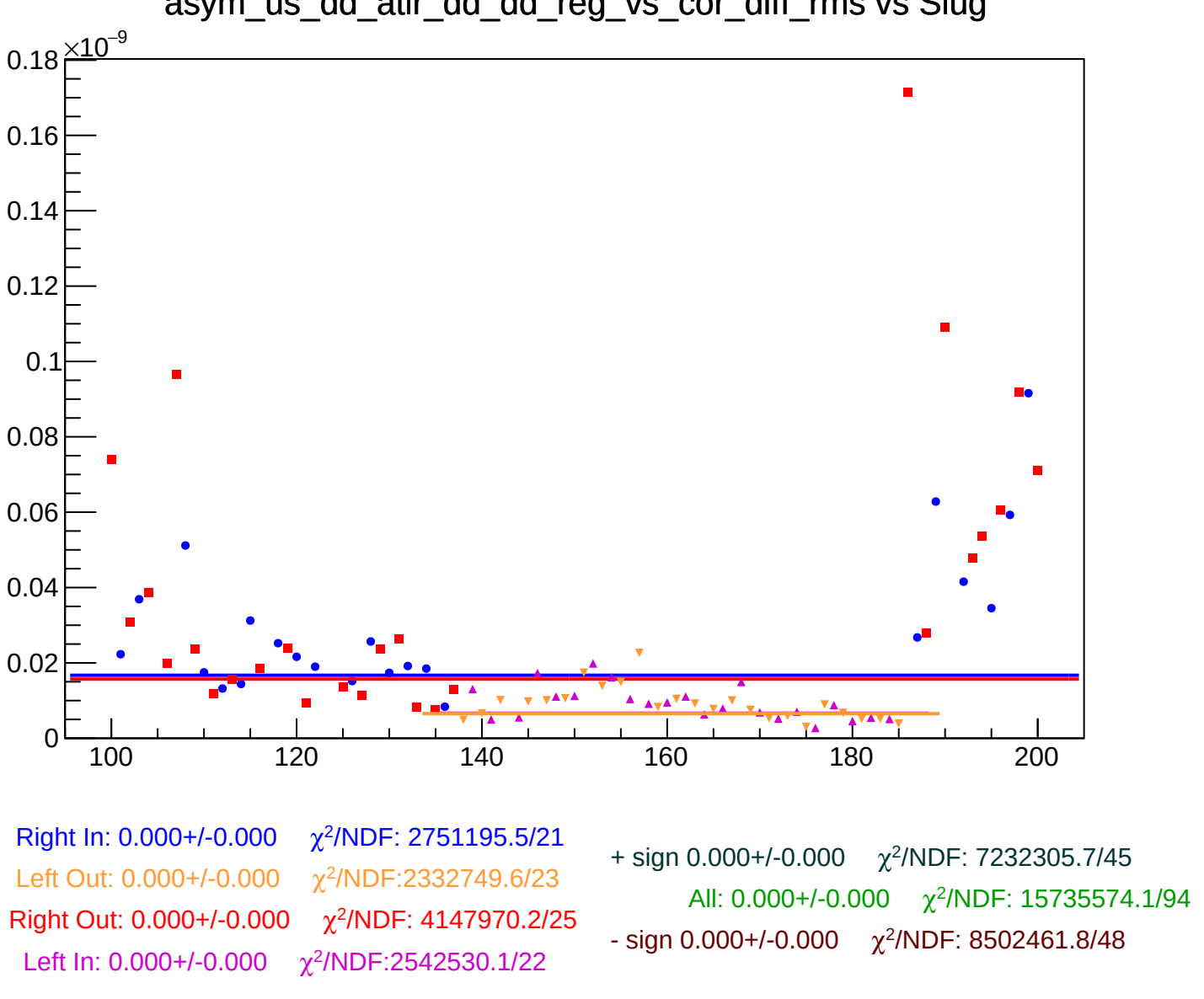
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/25

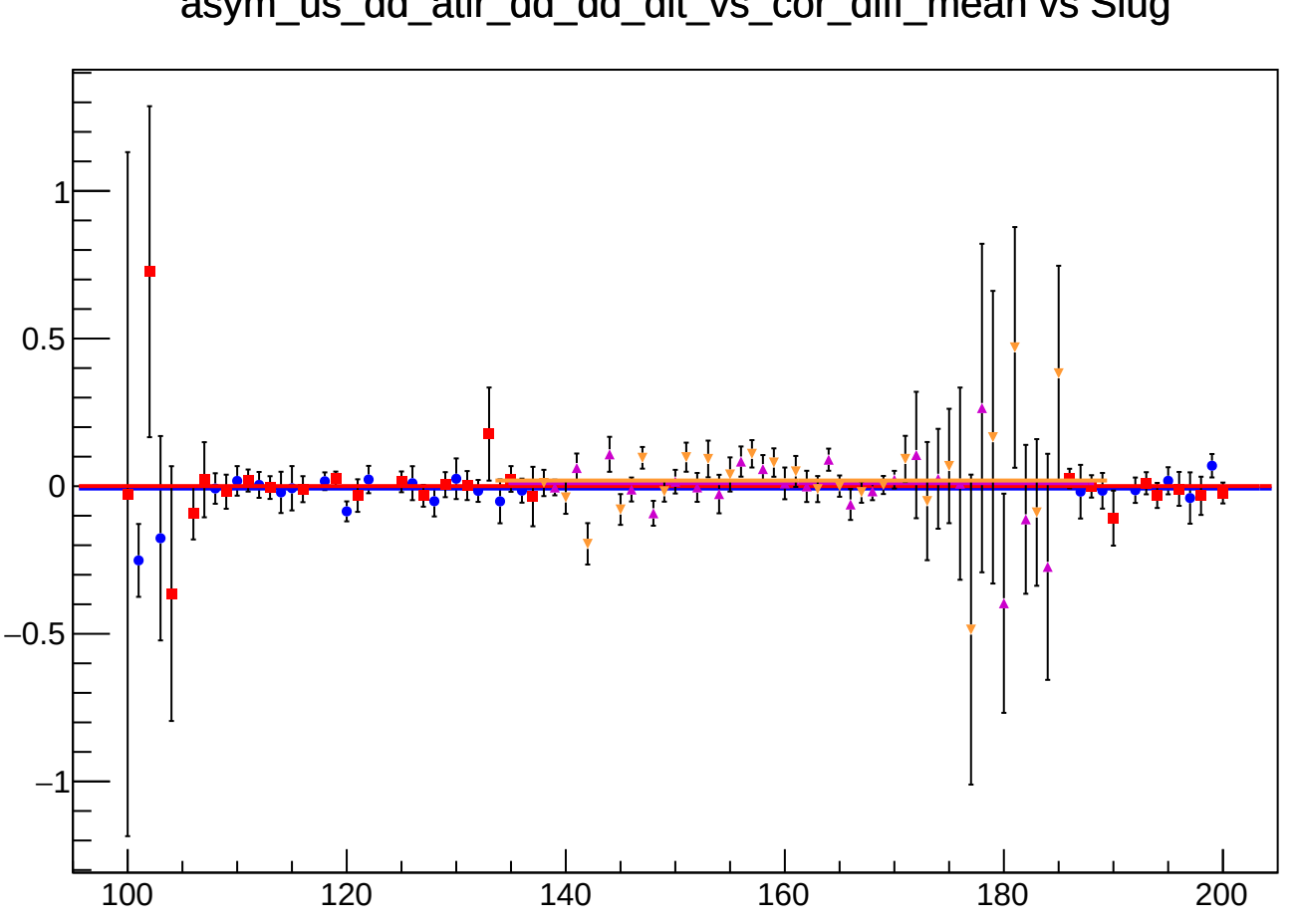
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/45

All: -0.000+/-0.000 χ^2/NDF: 83.3/94

- sign 0.000+/-0.000 χ^2/NDF: 53.7/48


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2751195.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4147970.2/25
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7232305.7/45
All: 0.000+/-0.000 χ²/NDF: 15735574.1/94
- sign 0.000+/-0.000 χ²/NDF: 8502461.8/48



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

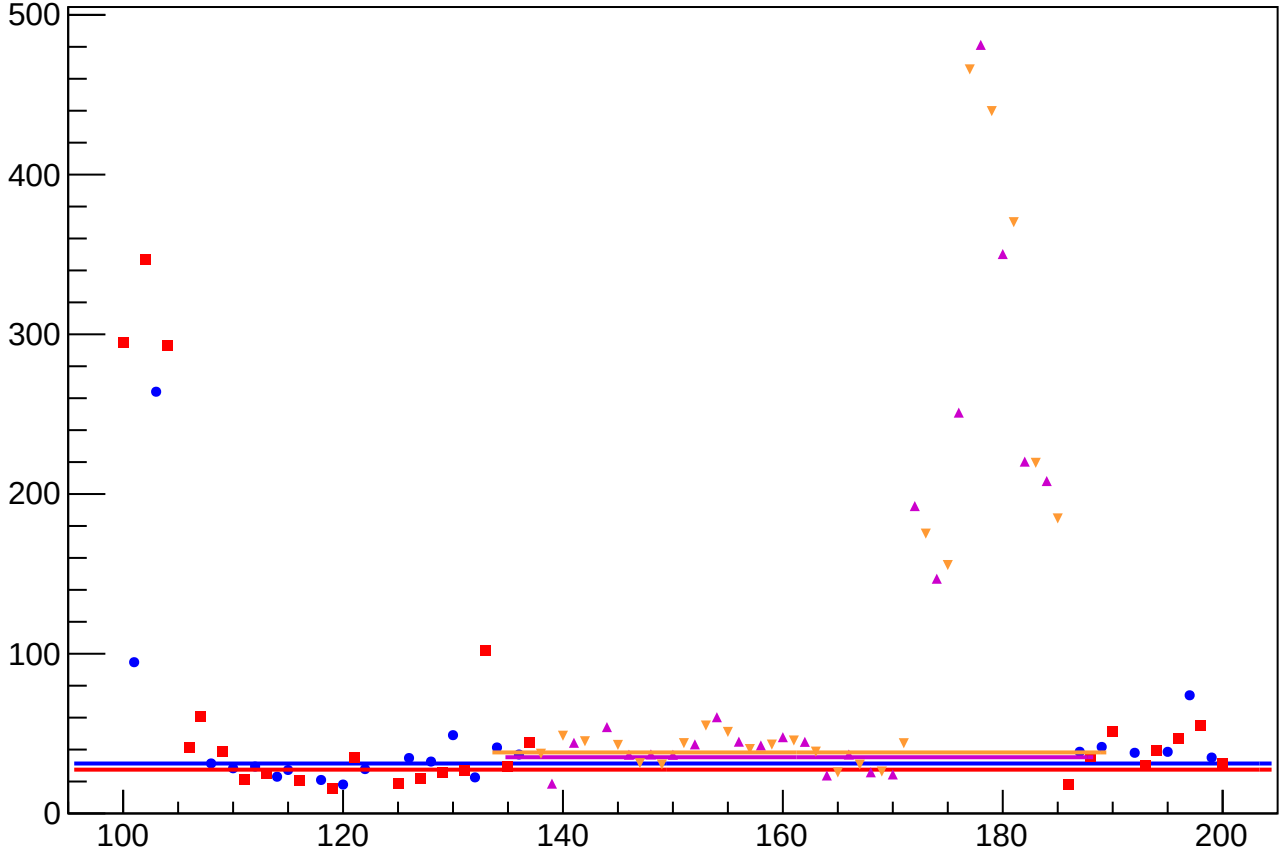
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.005+/-0.005 χ^2/NDF: 91.2/94

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

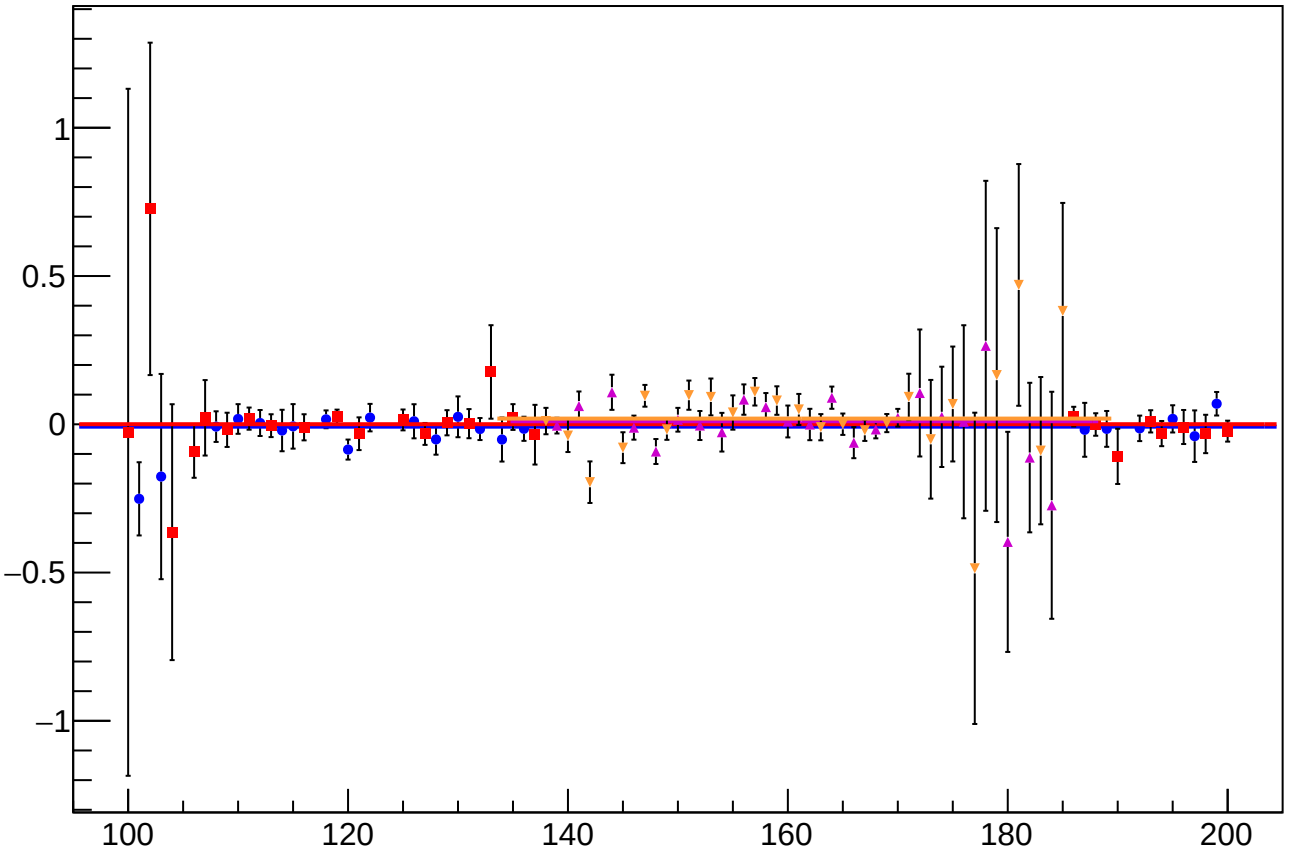
Right Out: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.696+/-0.005 χ^2/NDF: 11728966.1/45

All: 32.574+/-0.004 χ^2/NDF: 26295647.3/94

- sign 30.860+/-0.005 χ^2/NDF: 14284239.0/48



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

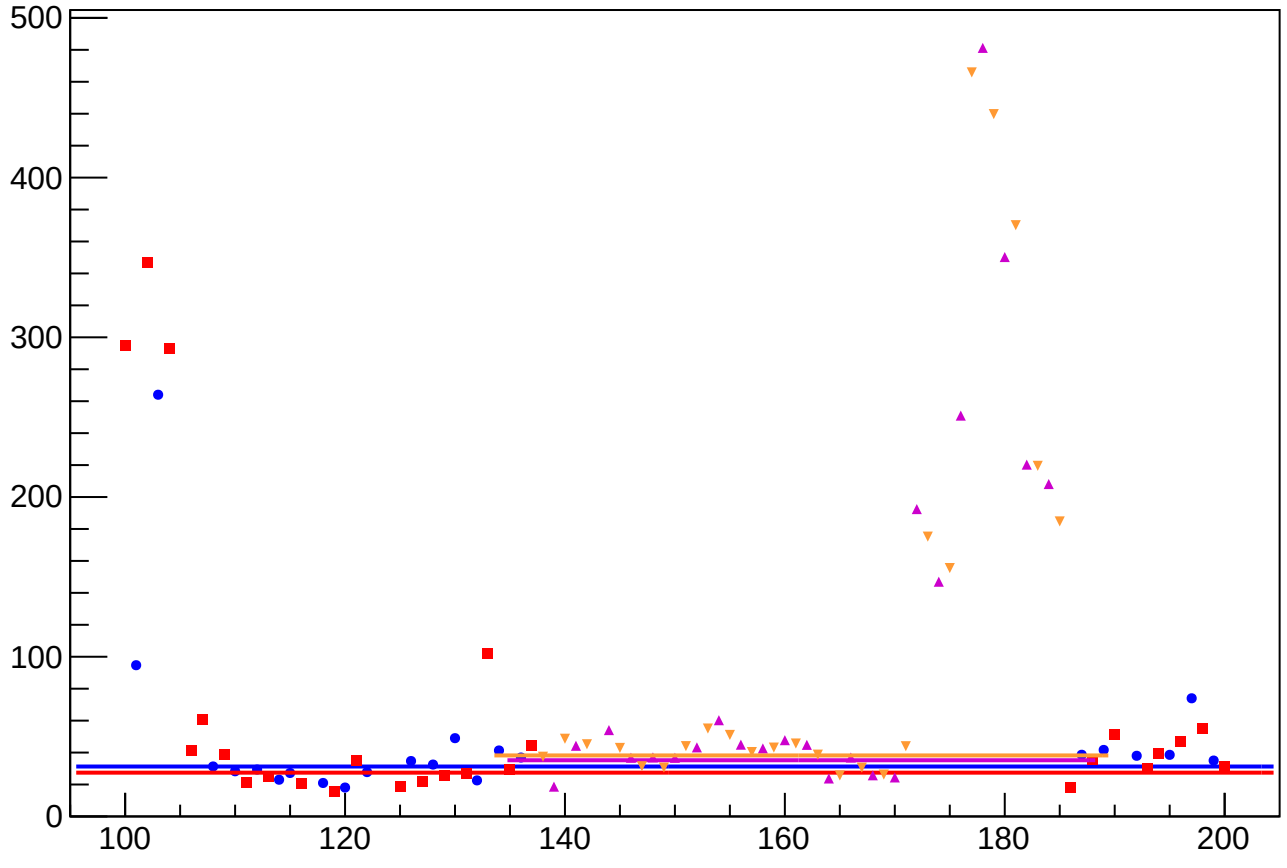
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.005+/-0.005 χ^2/NDF: 91.2/94

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

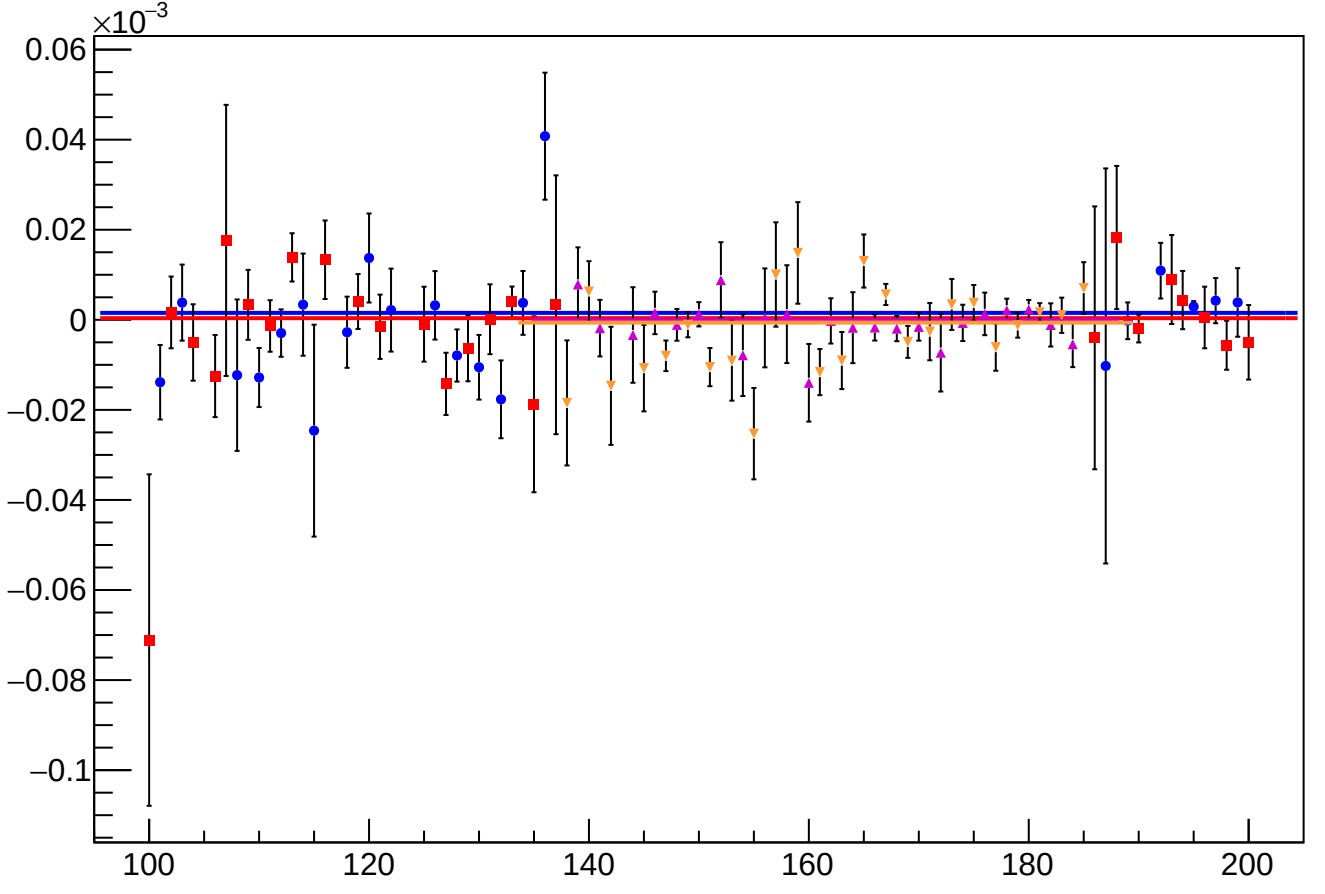
Right Out: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.696+/-0.005 χ^2/NDF: 11728966.1/45

All: 32.574+/-0.004 χ^2/NDF: 26295647.3/94

- sign 30.860+/-0.005 χ^2/NDF: 14284239.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

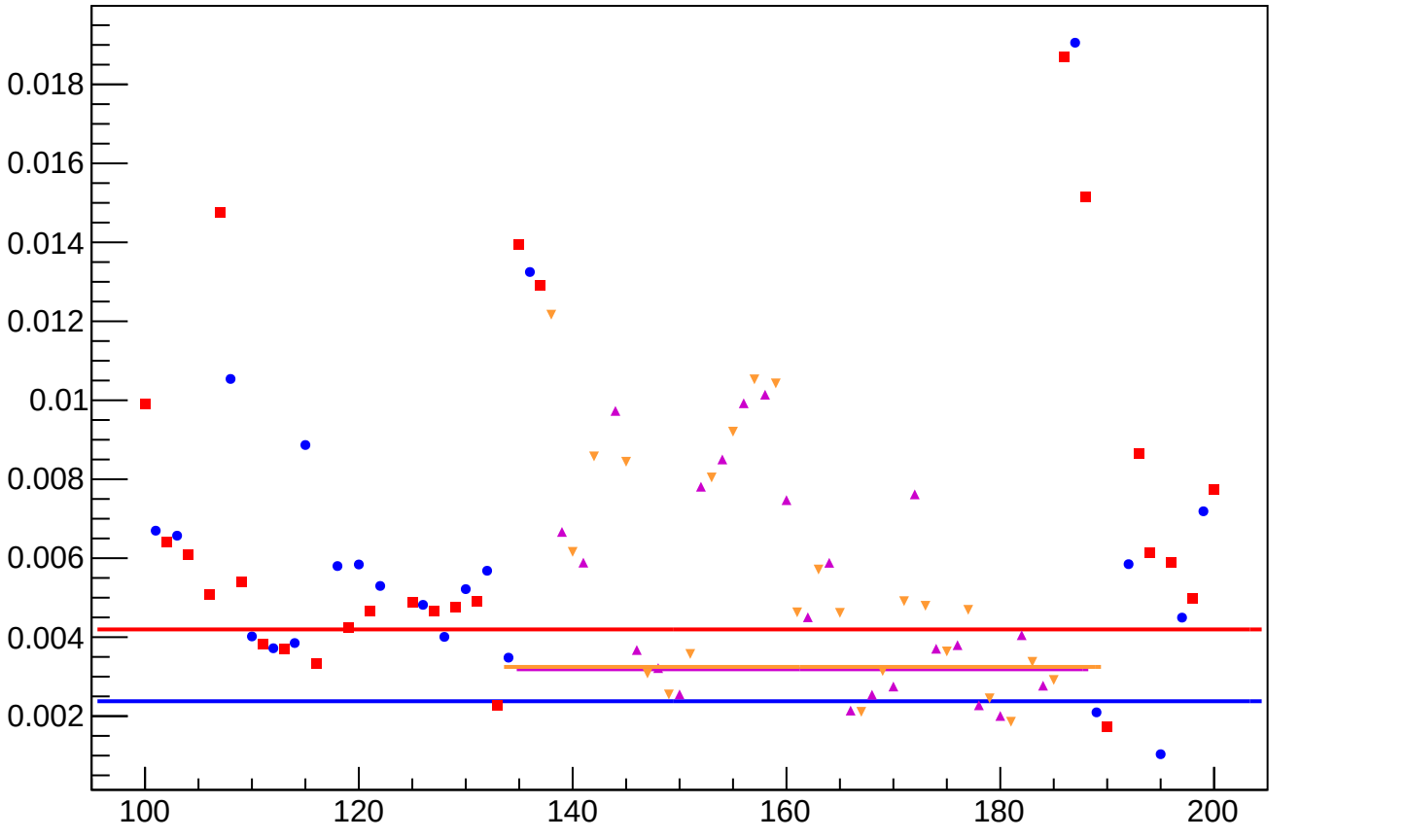
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/25

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.3/45

All: 0.000+/-0.000 χ^2/NDF: 128.3/94

- sign 0.000+/-0.000 χ^2/NDF: 38.9/48


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
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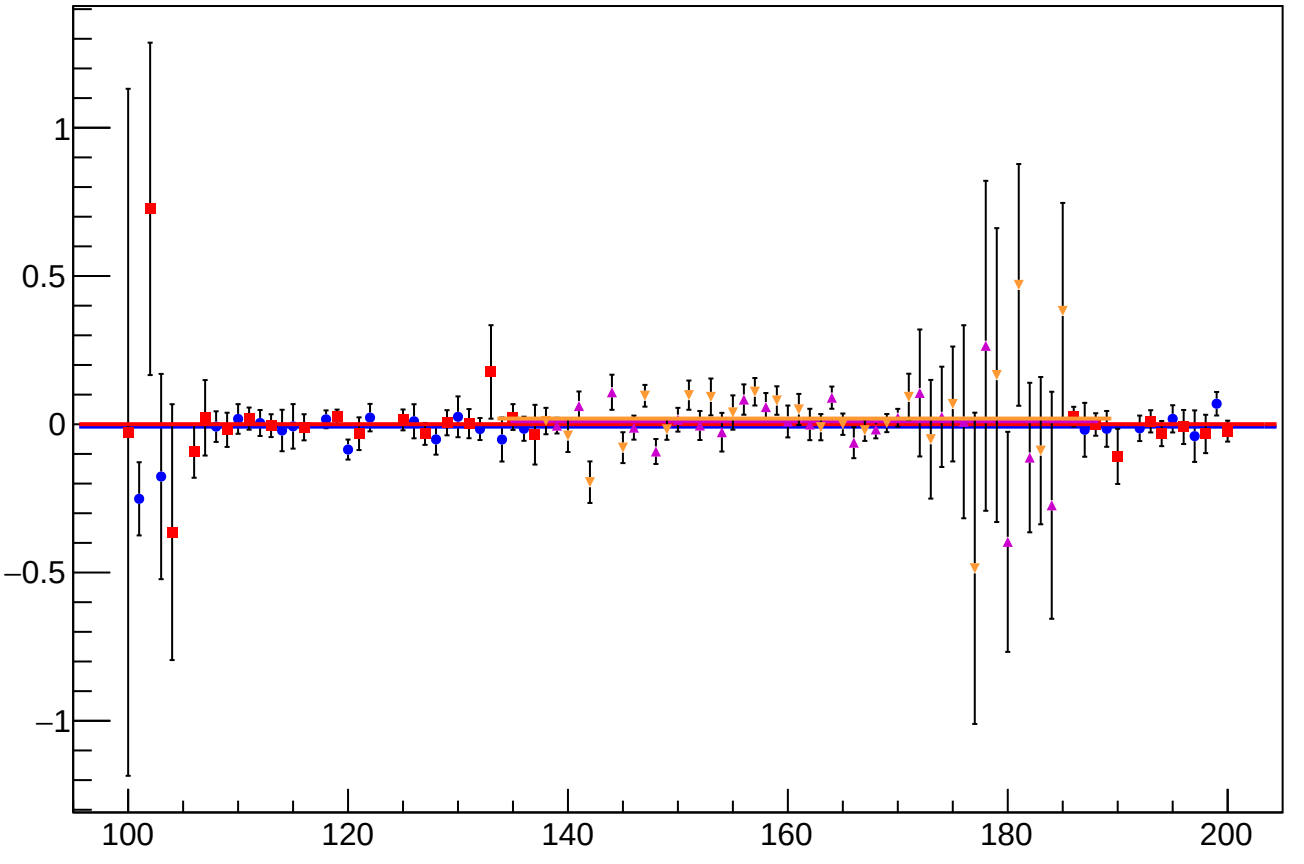
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 9484033.7/21
Left Out: 0.003+/-0.000 χ²/NDF:7736973.1/23
Right Out: 0.004+/-0.000 χ²/NDF: 5868211.1/25
Left In: 0.003+/-0.000 χ²/NDF:7301771.9/22
+ sign 0.003+/-0.000 χ²/NDF: 18113537.8/45
All: 0.003+/-0.000 χ²/NDF: 32909754.7/94
- sign 0.003+/-0.000 χ²/NDF: 13976091.5/48



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

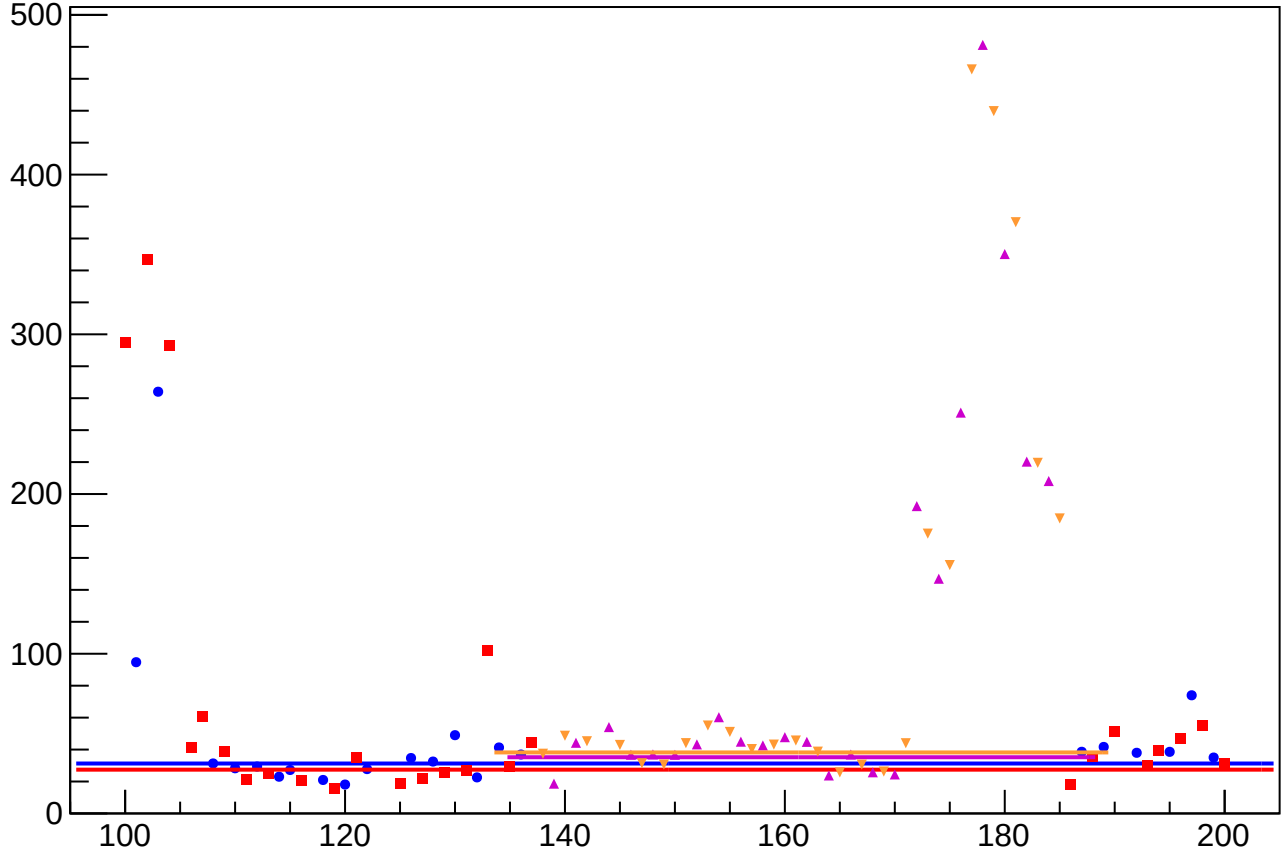
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.005+/-0.005 χ^2/NDF: 91.2/94

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

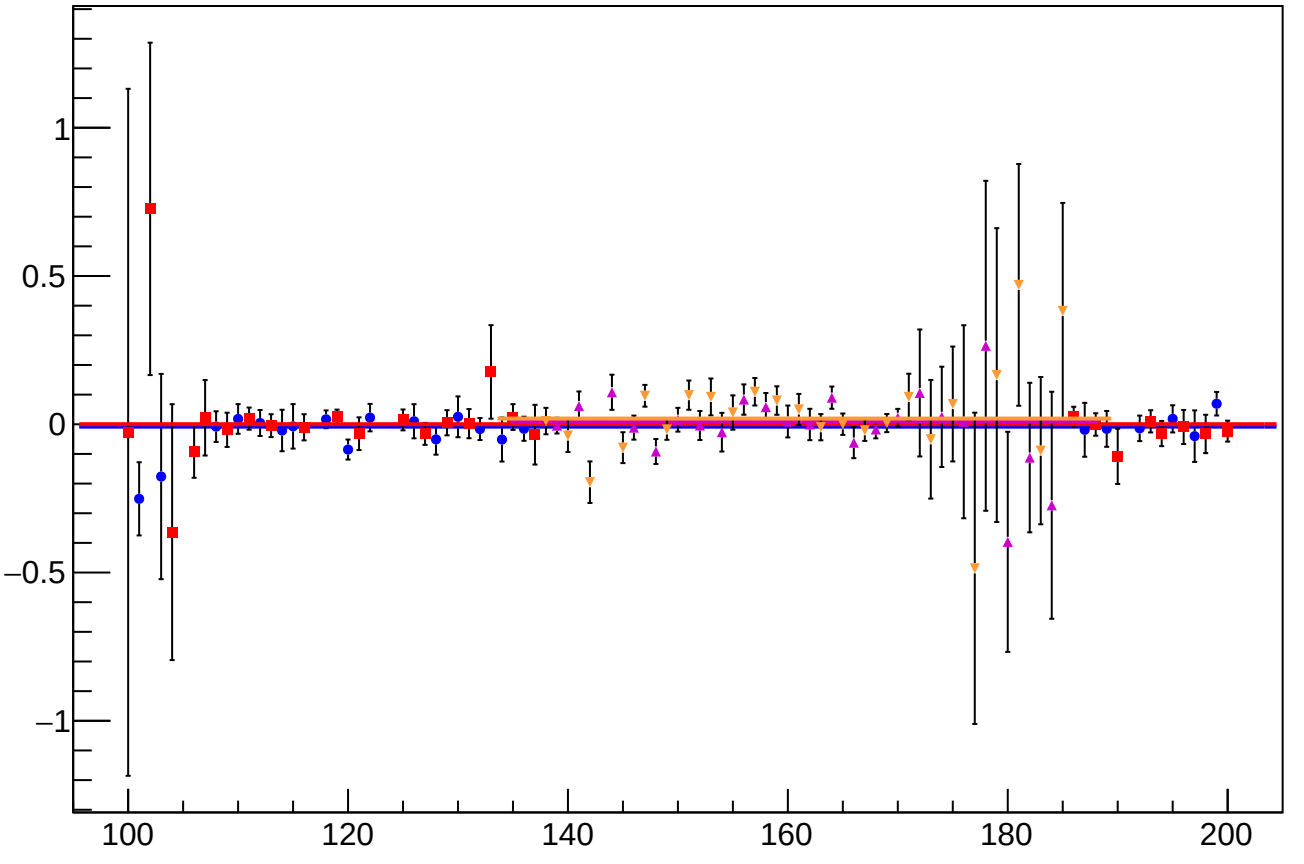
Right Out: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.696+/-0.005 χ^2/NDF: 11729124.2/45

All: 32.573+/-0.004 χ^2/NDF: 26297142.1/94

- sign 30.858+/-0.005 χ^2/NDF: 14285374.8/48



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

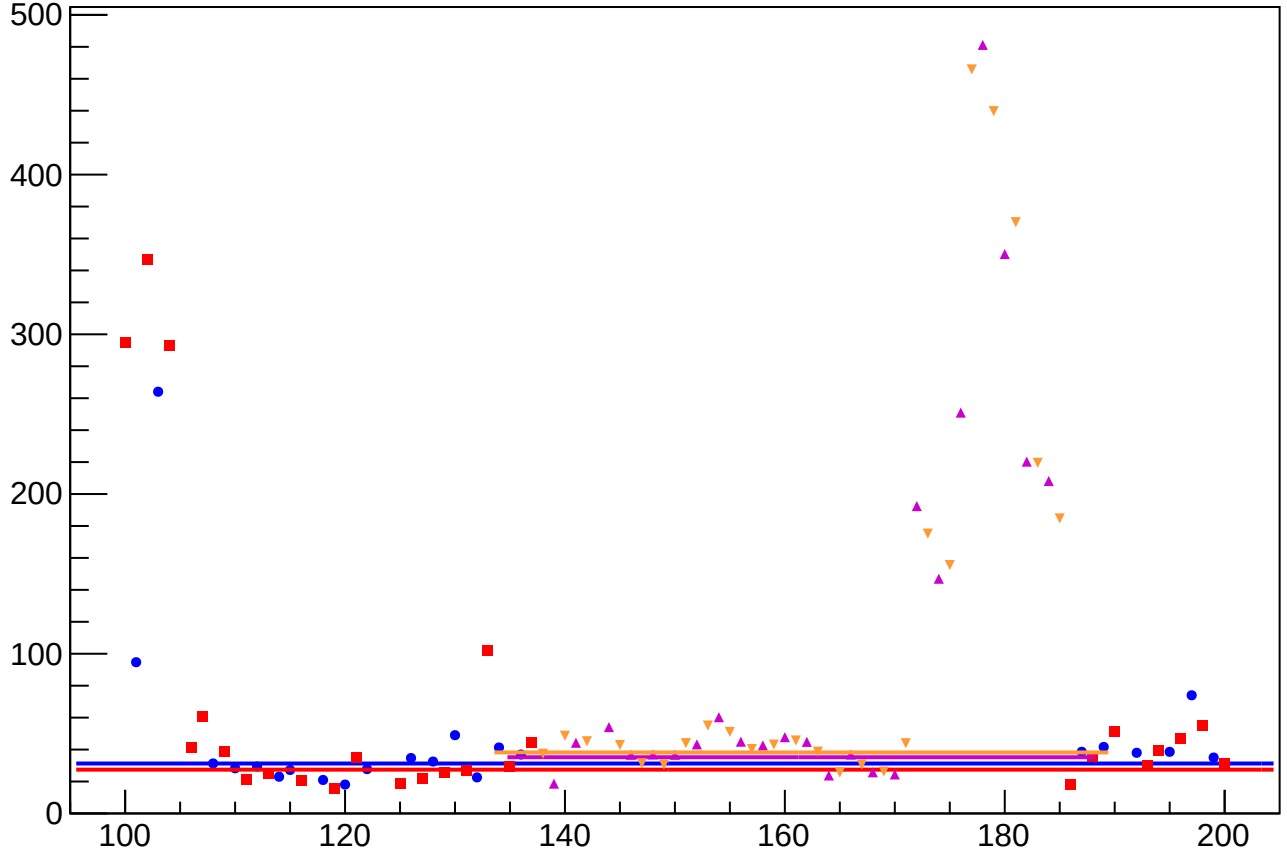
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.005+/-0.005 χ^2/NDF: 91.2/94

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

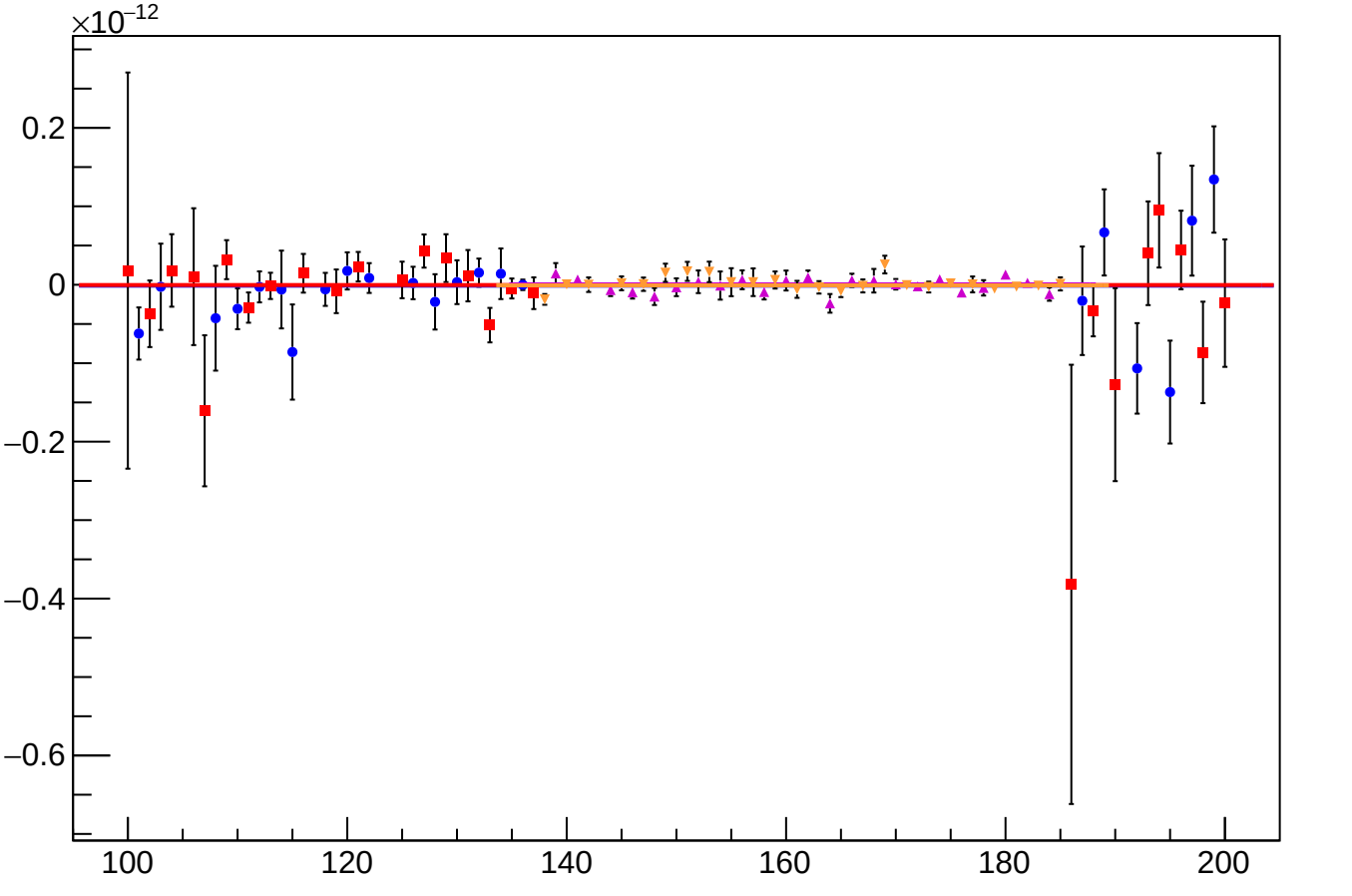
Right Out: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.696+/-0.005 χ^2/NDF: 11729124.2/45

All: 32.573+/-0.004 χ^2/NDF: 26297142.1/94

- sign 30.858+/-0.005 χ^2/NDF: 14285374.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

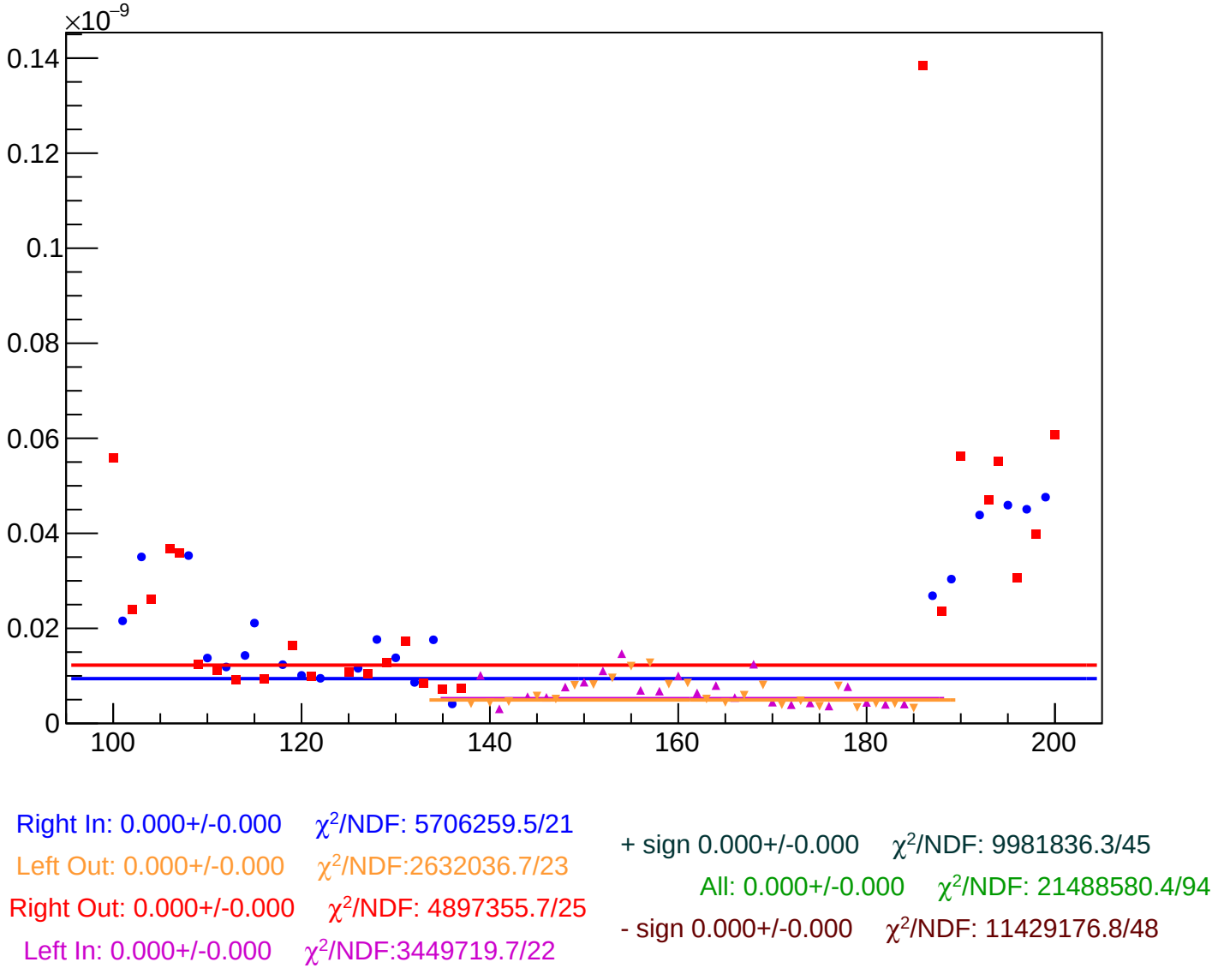
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/25

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

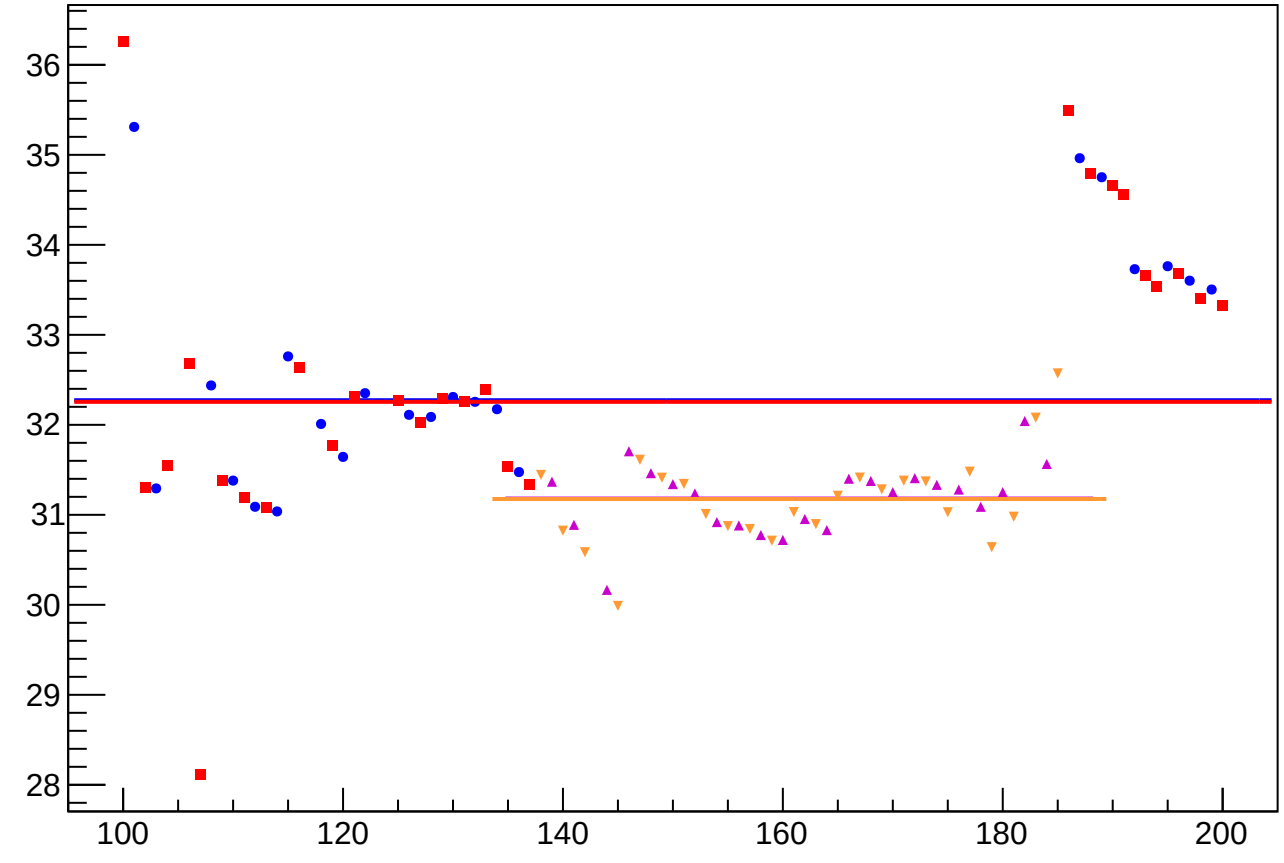
+ sign -0.000+/-0.000 χ^2/NDF: 45.2/45

All: -0.000+/-0.000 χ^2/NDF: 101.5/94

- sign 0.000+/-0.000 χ^2/NDF: 56.0/48


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5706259.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 4897355.7/25
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 9981836.3/45
All: 0.000+/-0.000 χ²/NDF: 21488580.4/94
- sign 0.000+/-0.000 χ²/NDF: 11429176.8/48

yield_usl_mean vs Slug



Right In: 32.274+/-0.000 χ^2/NDF: 1488389954.6/21

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

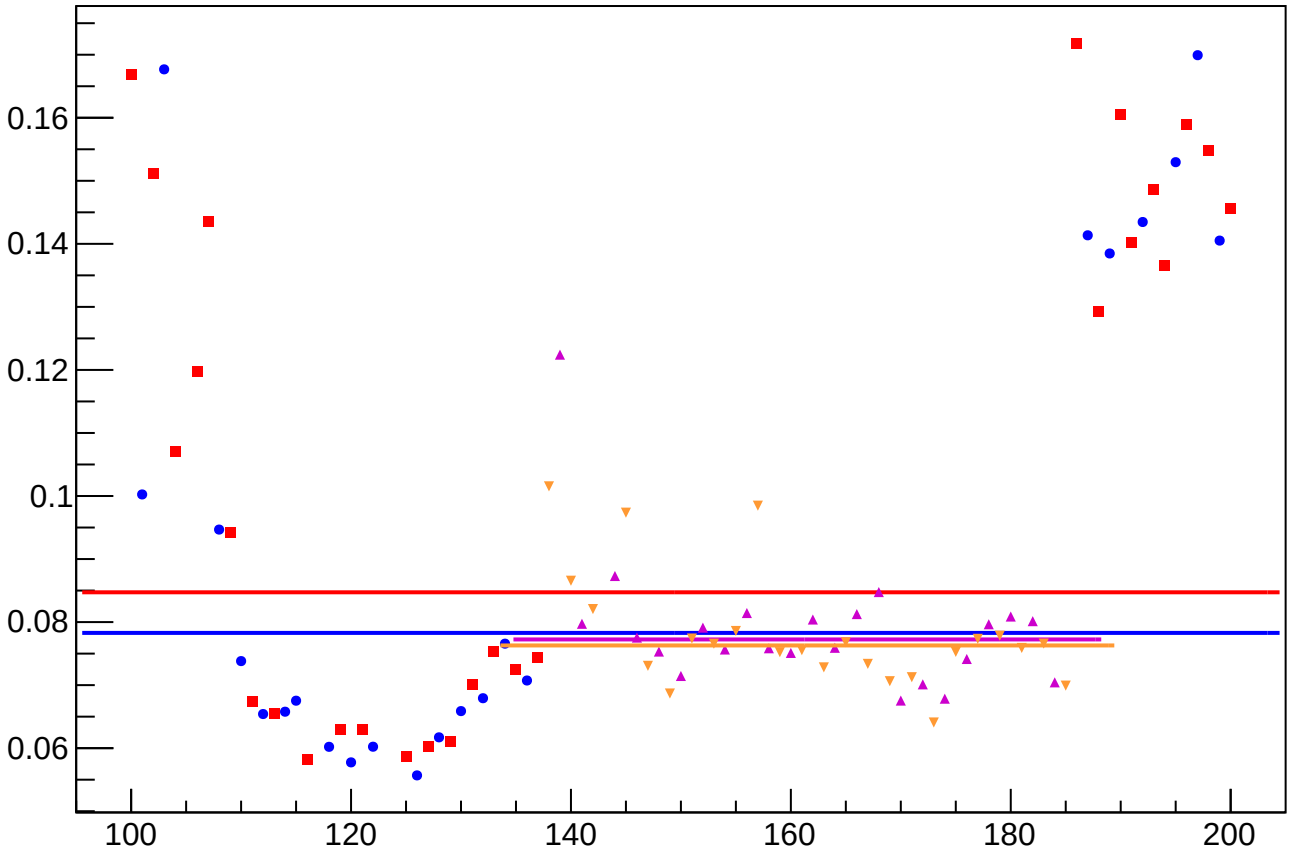
Right Out: 32.256+/-0.000 χ^2/NDF: 1620814326.1/26

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.557+/-0.000 χ^2/NDF: 3220937514.6/45

All: 31.559+/-0.000 χ^2/NDF: 6354383757.9/9

- sign 31.562+/-0.000 χ^2/NDF: 3133369571.2/49



Right In: 0.078+/-0.000 χ^2/NDF: 2838725.5/21

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.085+/-0.000 χ^2/NDF: 3521746.4/26

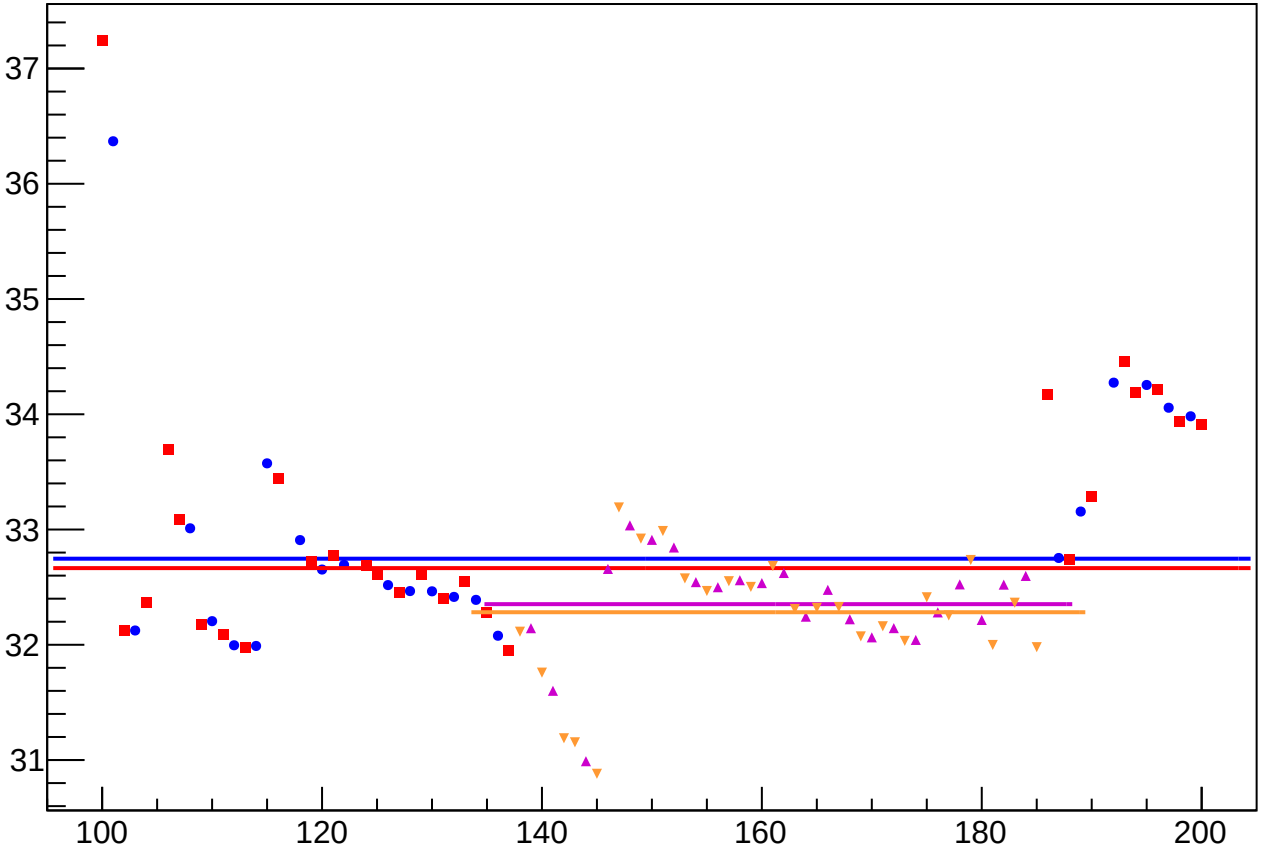
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.077+/-0.000 χ^2/NDF: 3203325.7/45

All: 0.078+/-0.000 χ^2/NDF: 7237348.9/95

- sign 0.080+/-0.000 χ^2/NDF: 3997013.5/49

yield_usr_mean vs Slug



Right In: 32.747+/-0.000 χ^2/NDF: 890219562.9/21

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.665+/-0.000 χ^2/NDF: 412502738.2/26

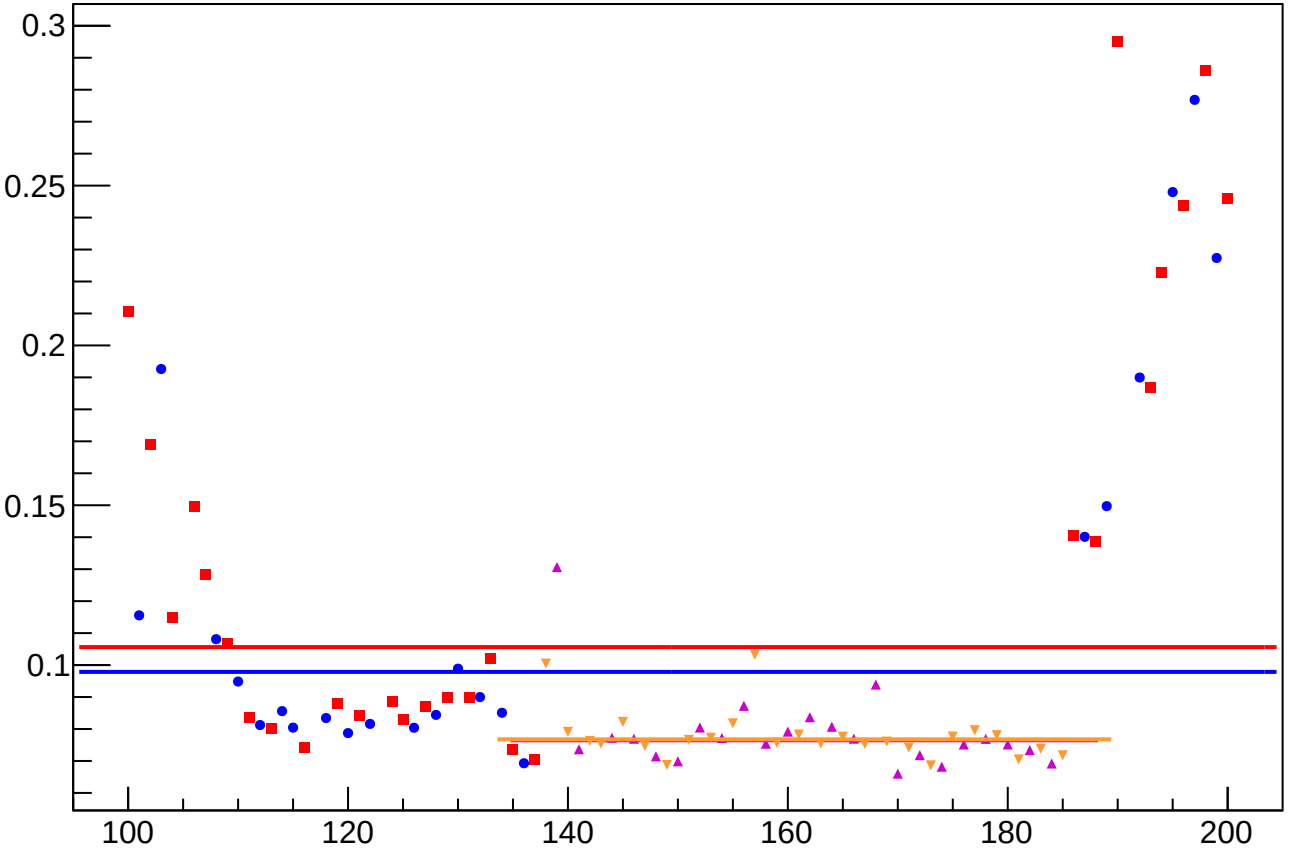
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.393+/-0.000 χ^2/NDF: 1883621561.2/46

All: 32.411+/-0.000 χ^2/NDF: 2957781208.0/9

- sign 32.429+/-0.000 χ^2/NDF: 1071615545.4/49

yield_usr_rms vs Slug



Right In: 0.098+/-0.000 χ^2/NDF: 3234711.1/21

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.106+/-0.000 χ^2/NDF: 3904580.6/26

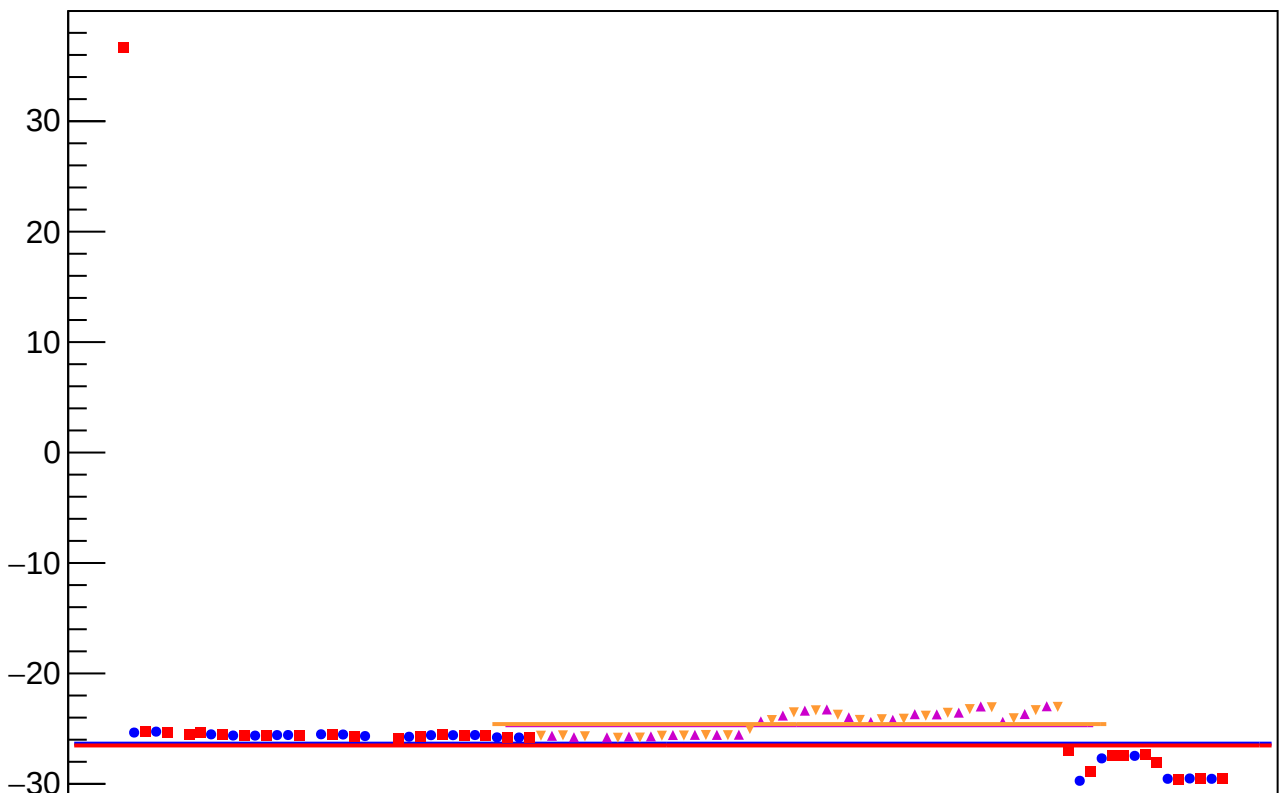
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.082+/-0.000 χ^2/NDF: 4122594.6/46

All: 0.083+/-0.000 χ^2/NDF: 9727500.4/96

- sign 0.084+/-0.000 χ^2/NDF: 5591743.0/49

yield_dsl_mean vs Slug



Right In: -26.359+/-0.000 χ^2/NDF: 11461859430.0/21

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.521+/-0.000 χ^2/NDF: 22356256054.4/26

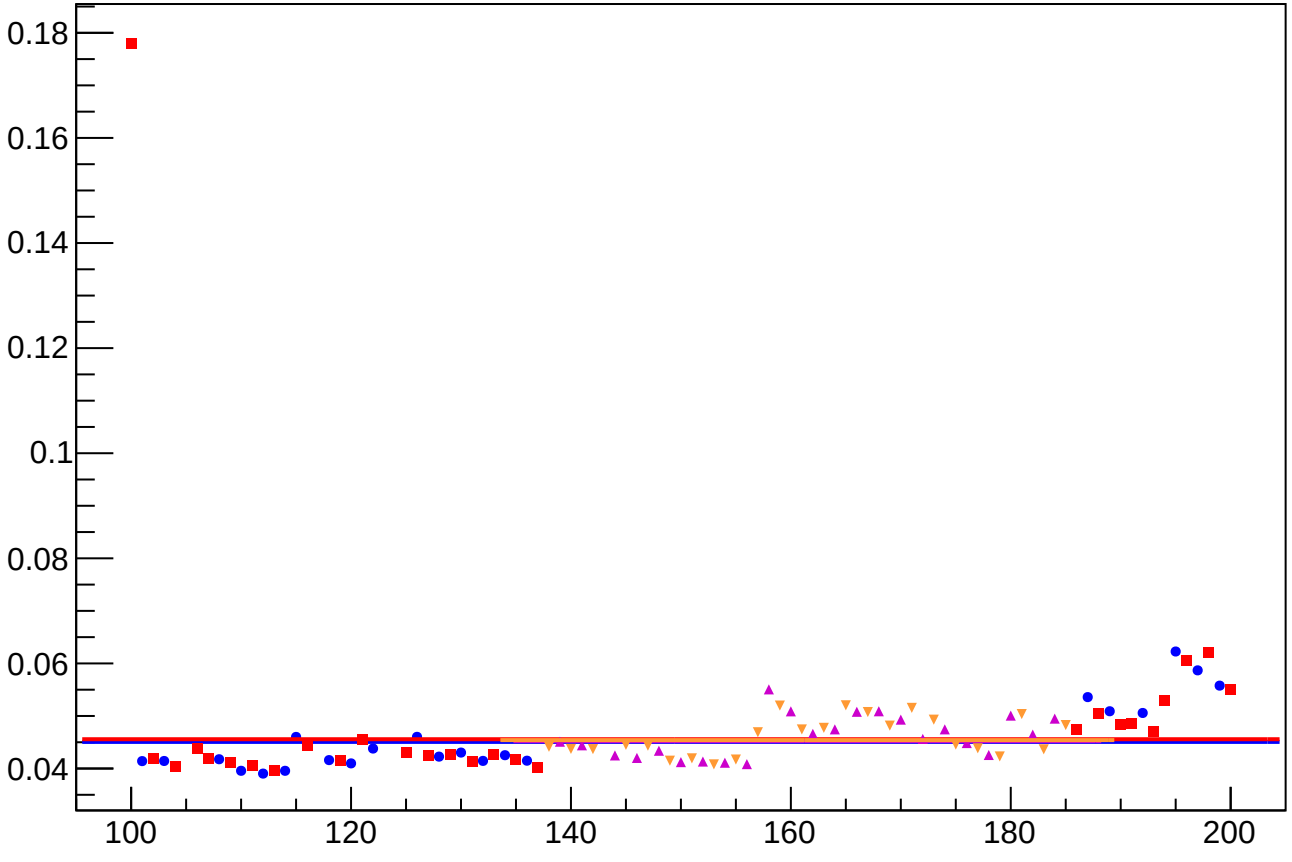
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.270+/-0.000 χ^2/NDF: 31205434295.2/45

All: -25.365+/-0.000 χ^2/NDF: 74882654642.8

- sign -25.456+/-0.000 χ^2/NDF: 43425053341.5/49

yield_dsl_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF: 435258.2/21

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.046+/-0.000 χ^2/NDF: 530303.2/26

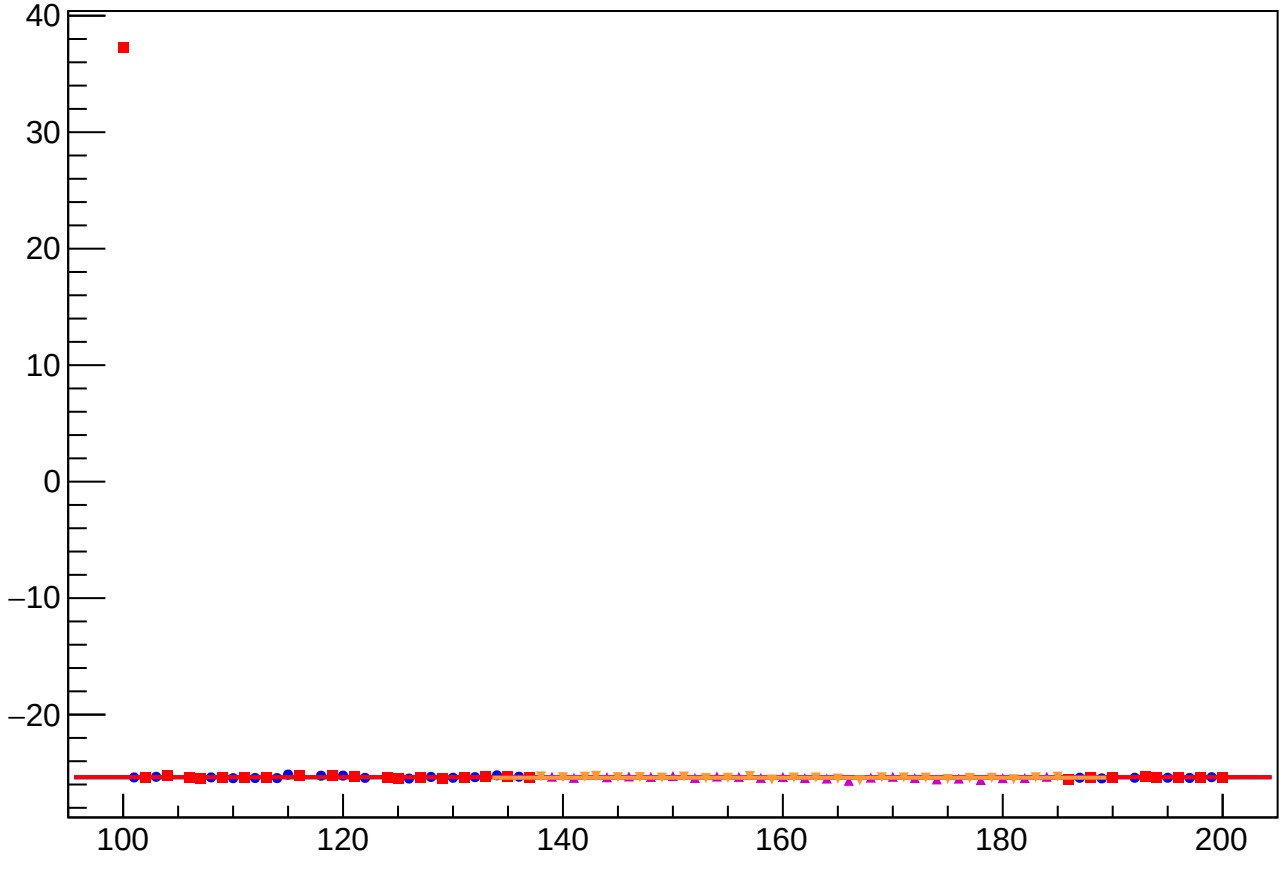
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 641554.4/45

All: 0.045+/-0.000 χ^2/NDF: 1417652.4/95

- sign 0.045+/-0.000 χ^2/NDF: 775991.2/49

yield_dsr_mean vs Slug



Right In: -25.387+/-0.000 χ^2/NDF: 18243107.2/21

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.365+/-0.000 χ^2/NDF: 6329170678.5/26

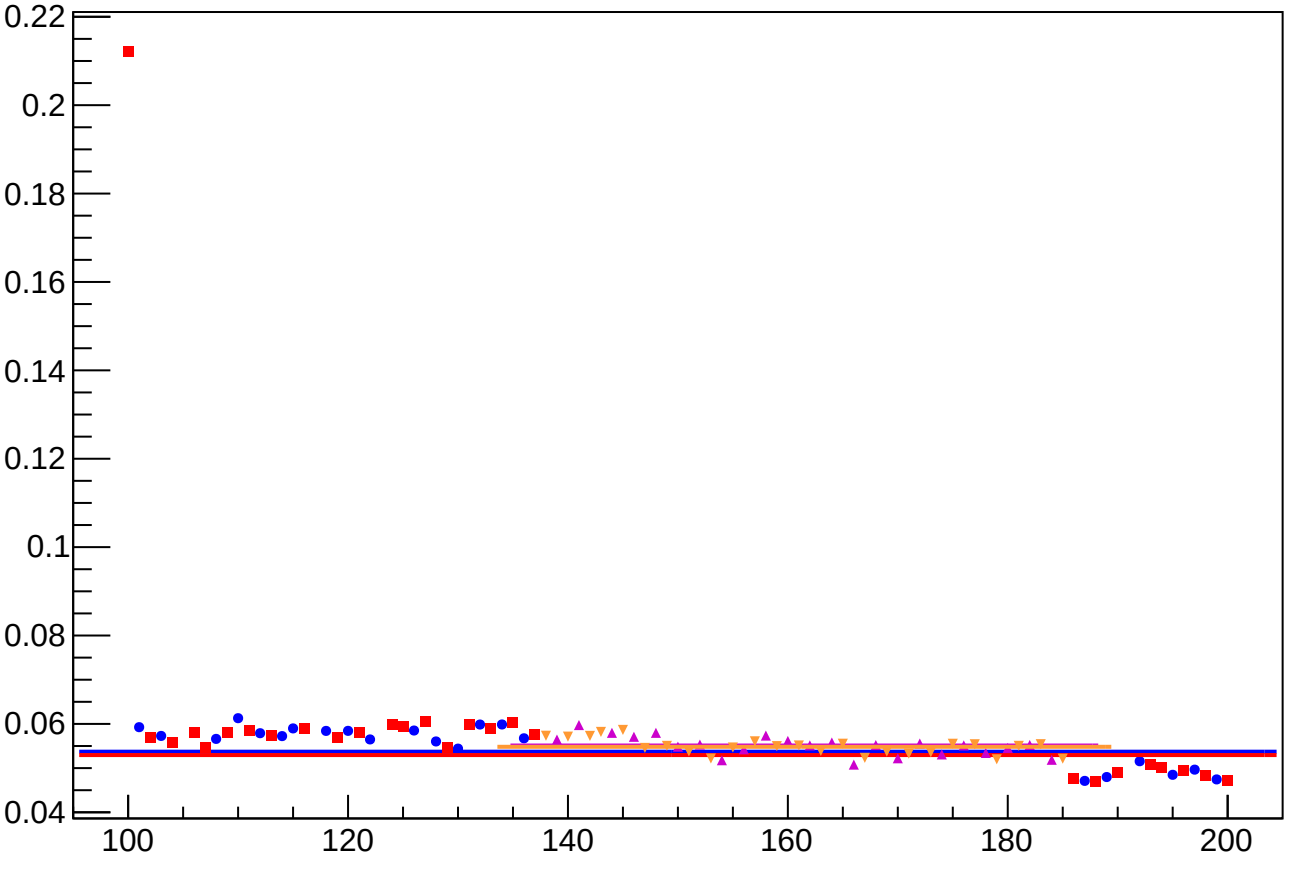
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 72584803.6/46

All: -25.399+/-0.000 χ^2/NDF: 6464850780.4/

- sign -25.392+/-0.000 χ^2/NDF: 6391384355.4/49

yield_dsr_rms vs Slug



Right In: 0.054+/-0.000 χ^2/NDF: 165839.2/21

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 302234.8/26

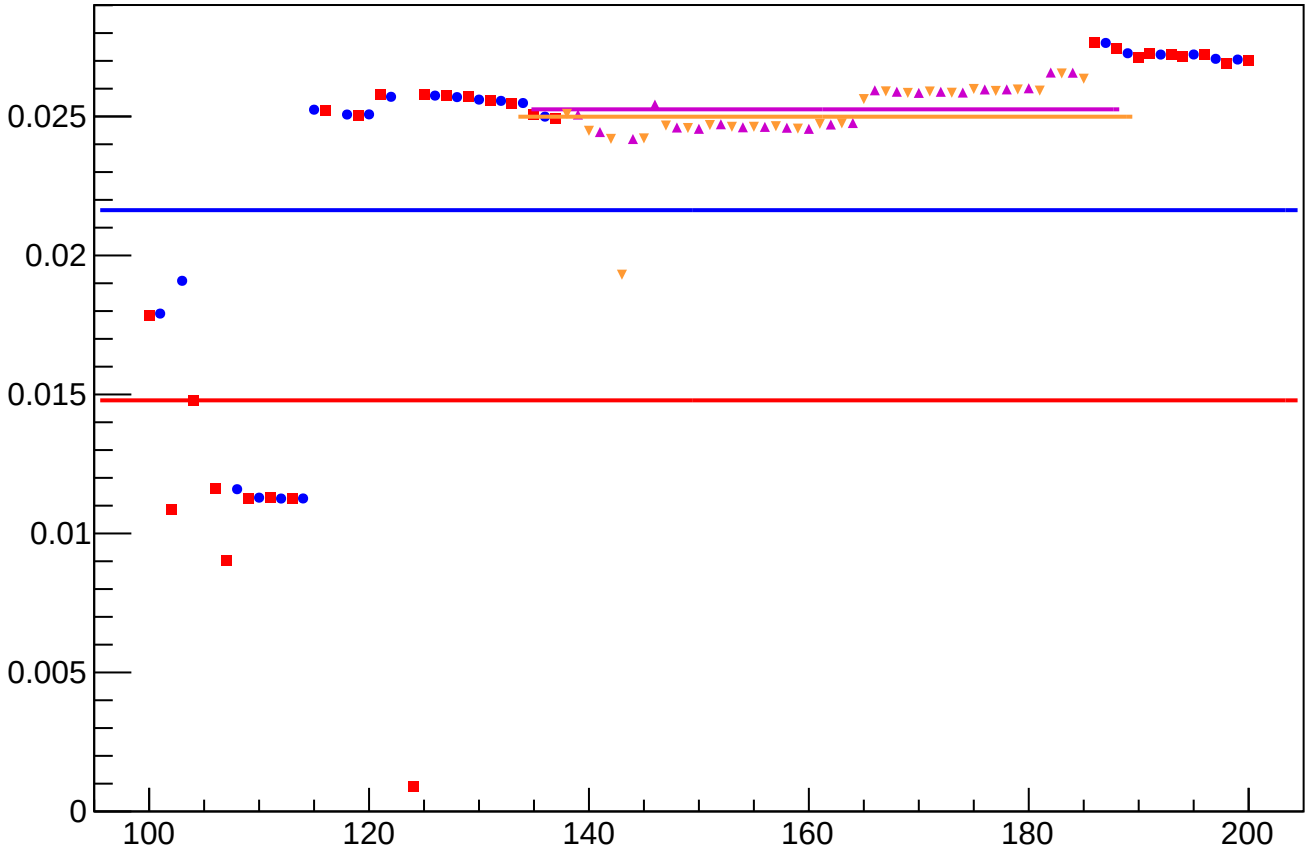
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 209752.1/46

All: 0.054+/-0.000 χ^2/NDF: 588168.4/96

- sign 0.054+/-0.000 χ^2/NDF: 377808.5/49

yield_atl1_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 81642031222.5/21

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.015+/-0.000 χ^2/NDF: 386964430908.5/27

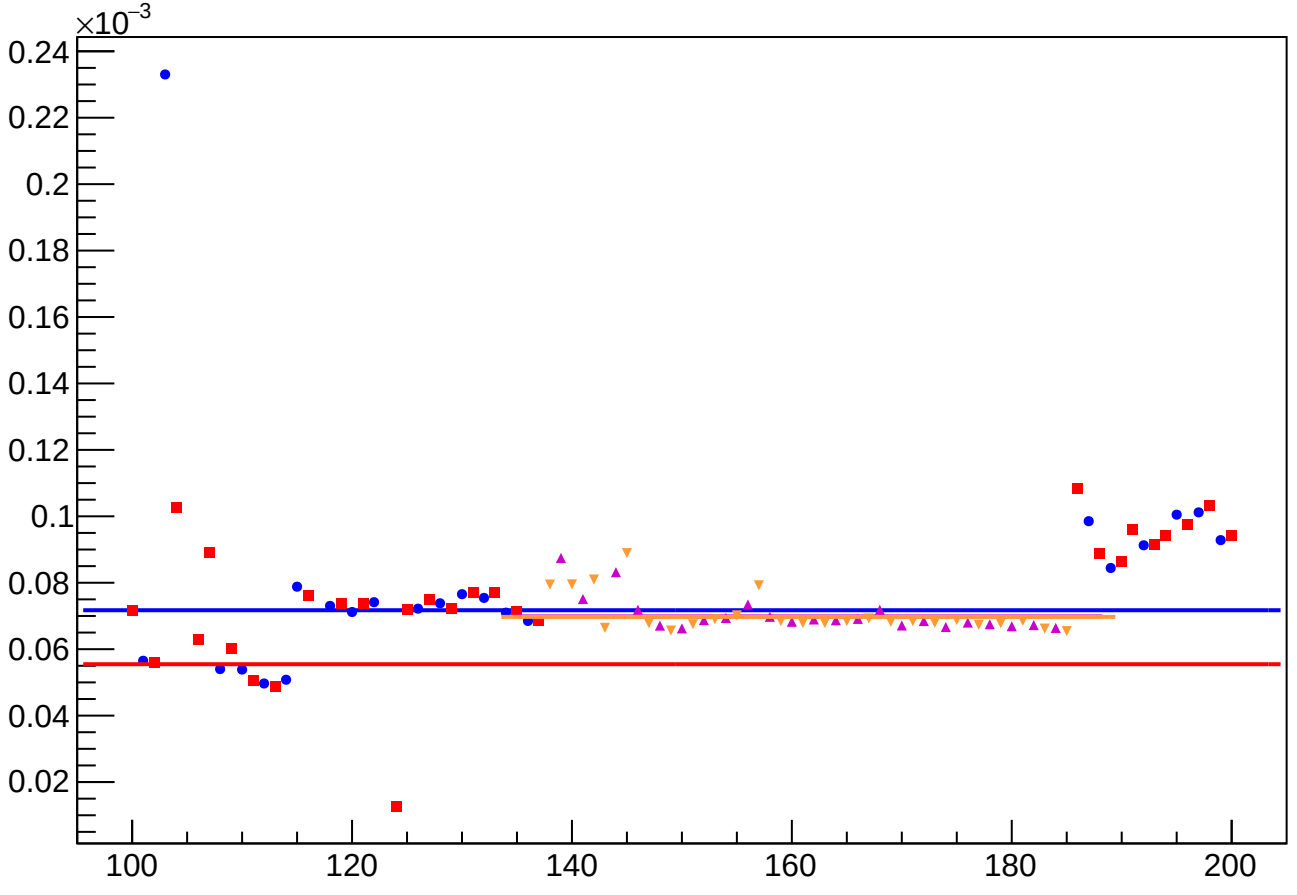
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 104618736783.1/46

All: 0.022+/-0.000 χ^2/NDF: 719060647573.6

- sign 0.020+/-0.000 χ^2/NDF: 576522229587.8/50

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1473311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

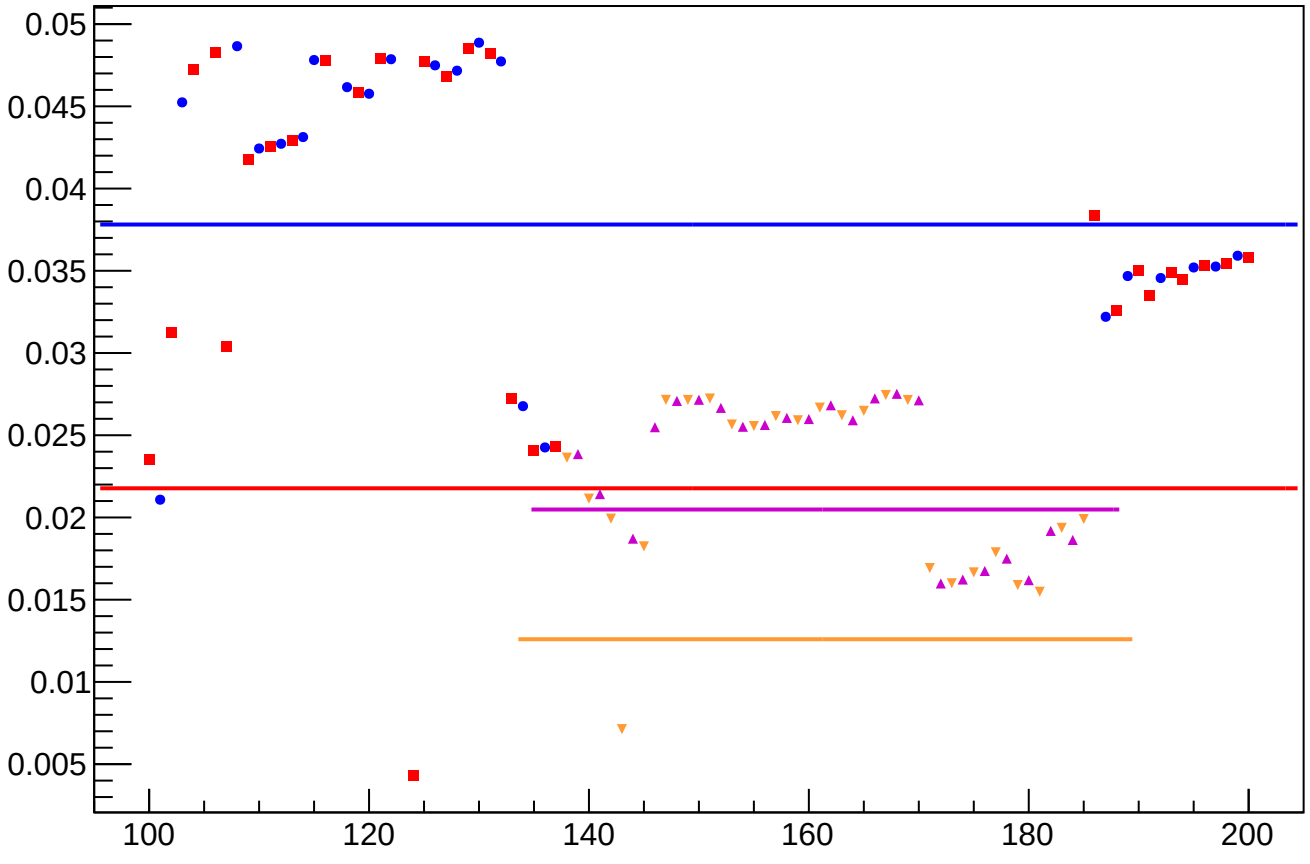
Right Out: 0.000+/-0.000 χ^2/NDF: 6464369.5/27

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1672183.4/46

All: 0.000+/-0.000 χ^2/NDF: 9332287.6/97

- sign 0.000+/-0.000 χ^2/NDF: 7326421.2/50



Right In: 0.038+/-0.000 χ^2/NDF: 7208615856.1/21

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45247331673.3/27

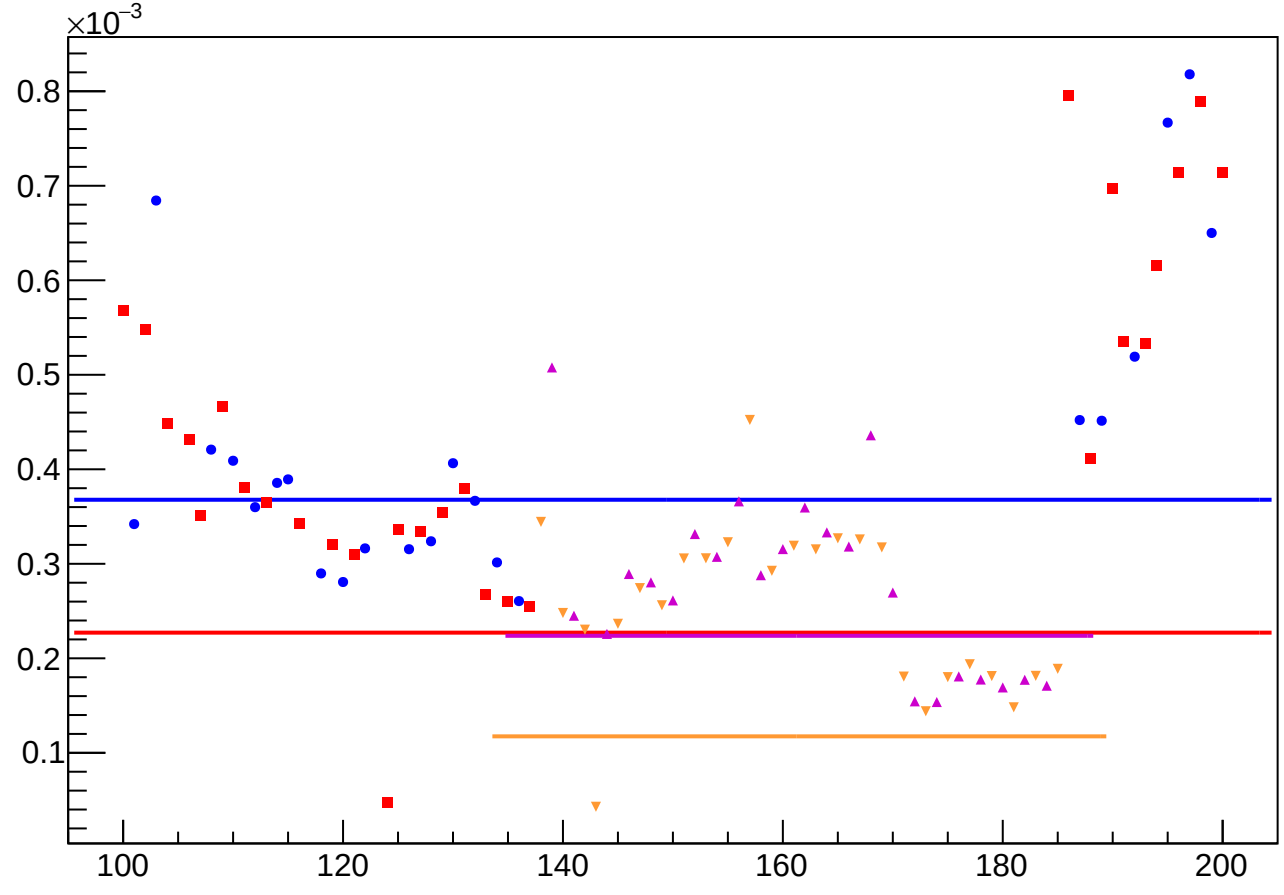
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 85514269505.3/46

All: 0.017+/-0.000 χ^2/NDF: 147828301470.6

- sign 0.021+/-0.000 χ^2/NDF: 51505356342.8/50

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2213414.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

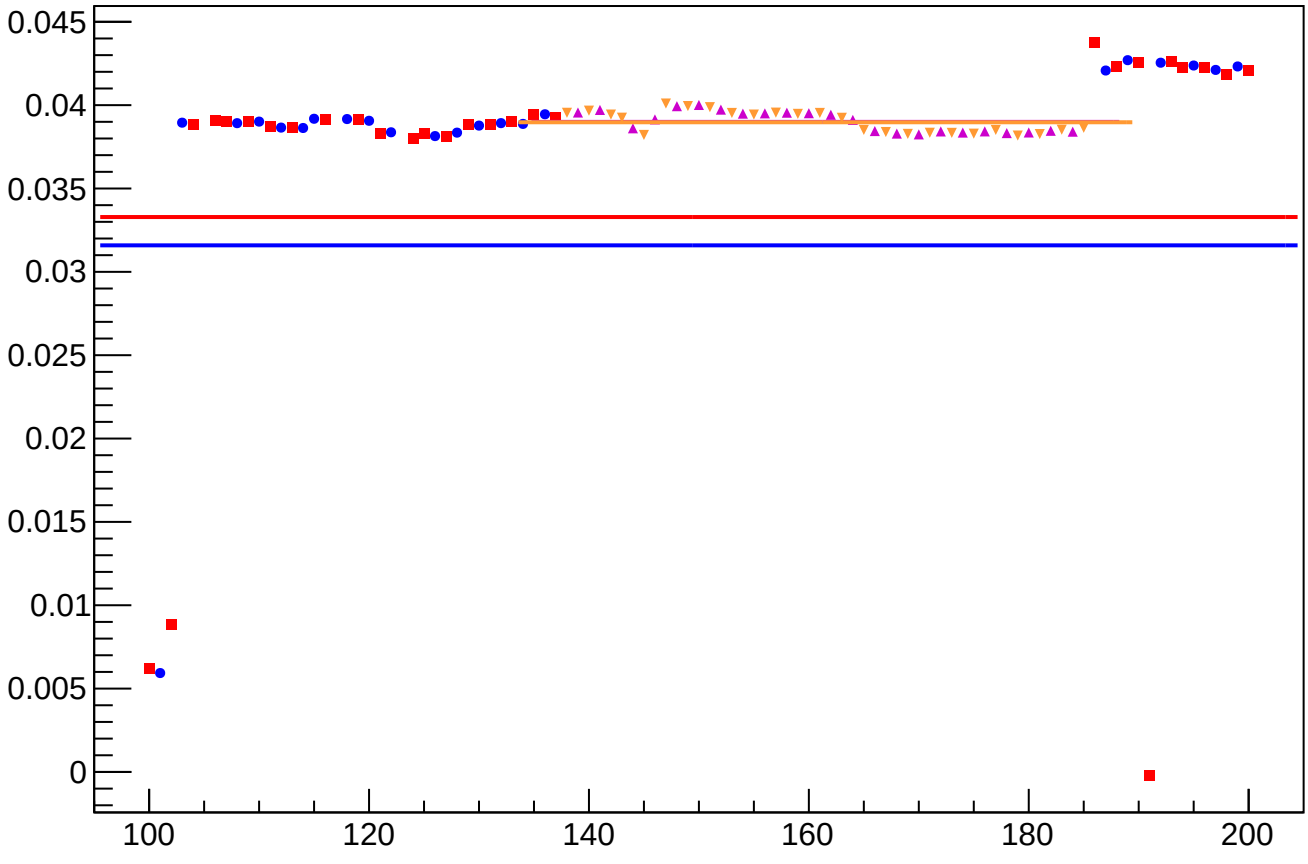
Right Out: 0.000+/-0.000 χ^2/NDF: 10946023.7/27

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24680081.6/46

All: 0.000+/-0.000 χ^2/NDF: 43265499.9/97

- sign 0.000+/-0.000 χ^2/NDF: 14336367.8/50



Right In: 0.032+/-0.000 χ^2/NDF: 118474850660.0/21

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

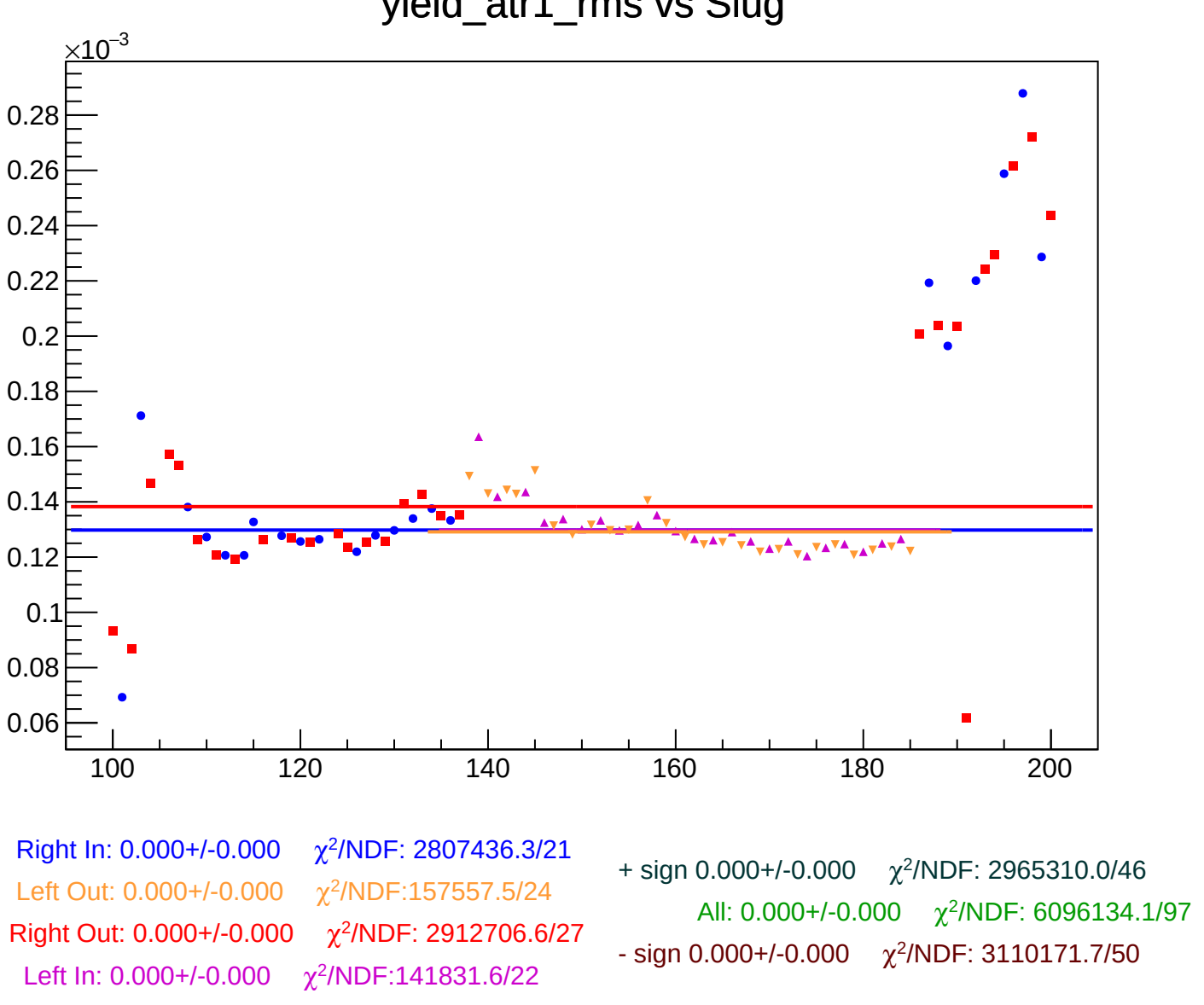
Right Out: 0.033+/-0.000 χ^2/NDF: 113272484145.0/27

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

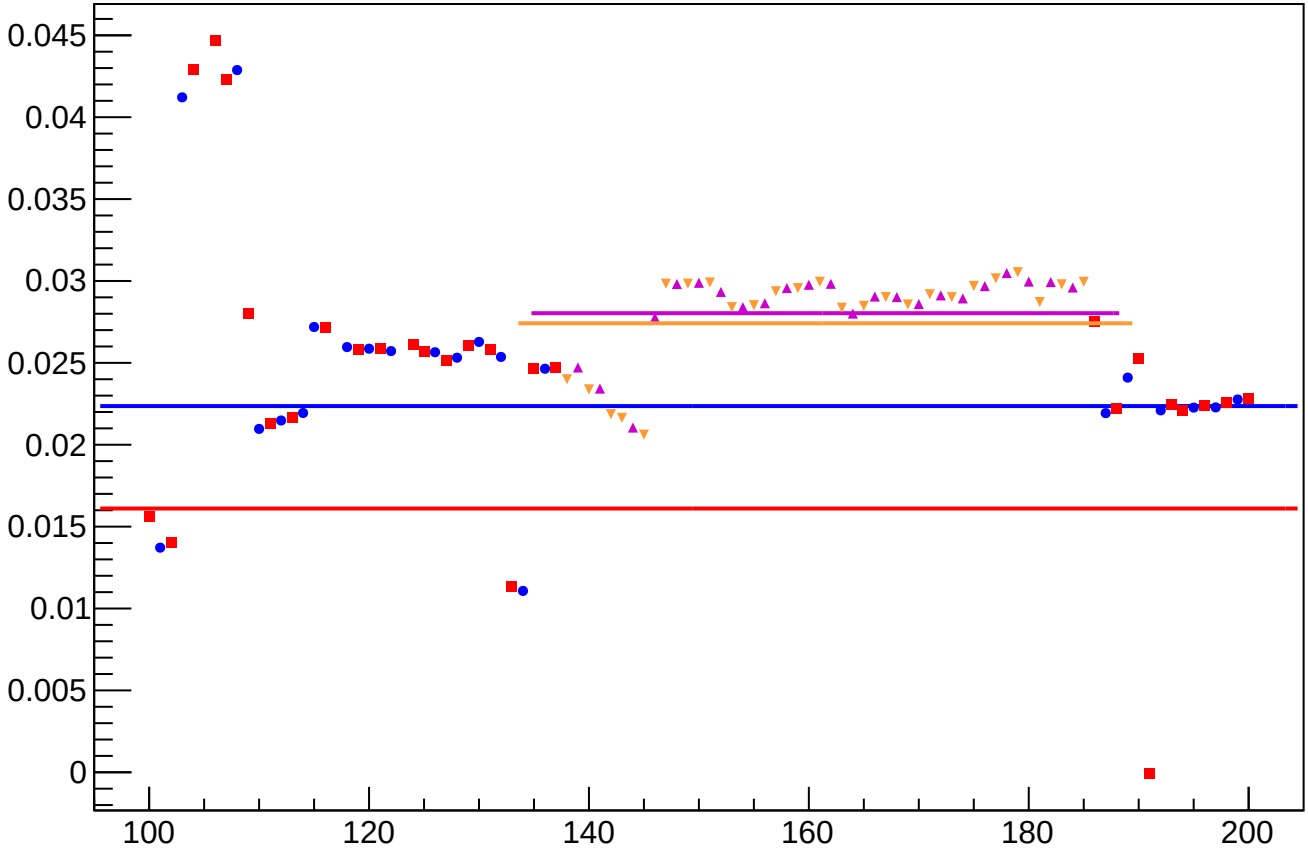
+ sign 0.036+/-0.000 χ^2/NDF: 139925537895.8/46

All: 0.037+/-0.000 χ^2/NDF: 266343913420.6

- sign 0.037+/-0.000 χ^2/NDF: 126238987883.5/50


yield_atr1_rms vs Slug
×10^−3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2807436.3/21
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2912706.6/27
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 2965310.0/46
All: 0.000+/-0.000 χ²/NDF: 6096134.1/97
- sign 0.000+/-0.000 χ²/NDF: 3110171.7/50

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024835408.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

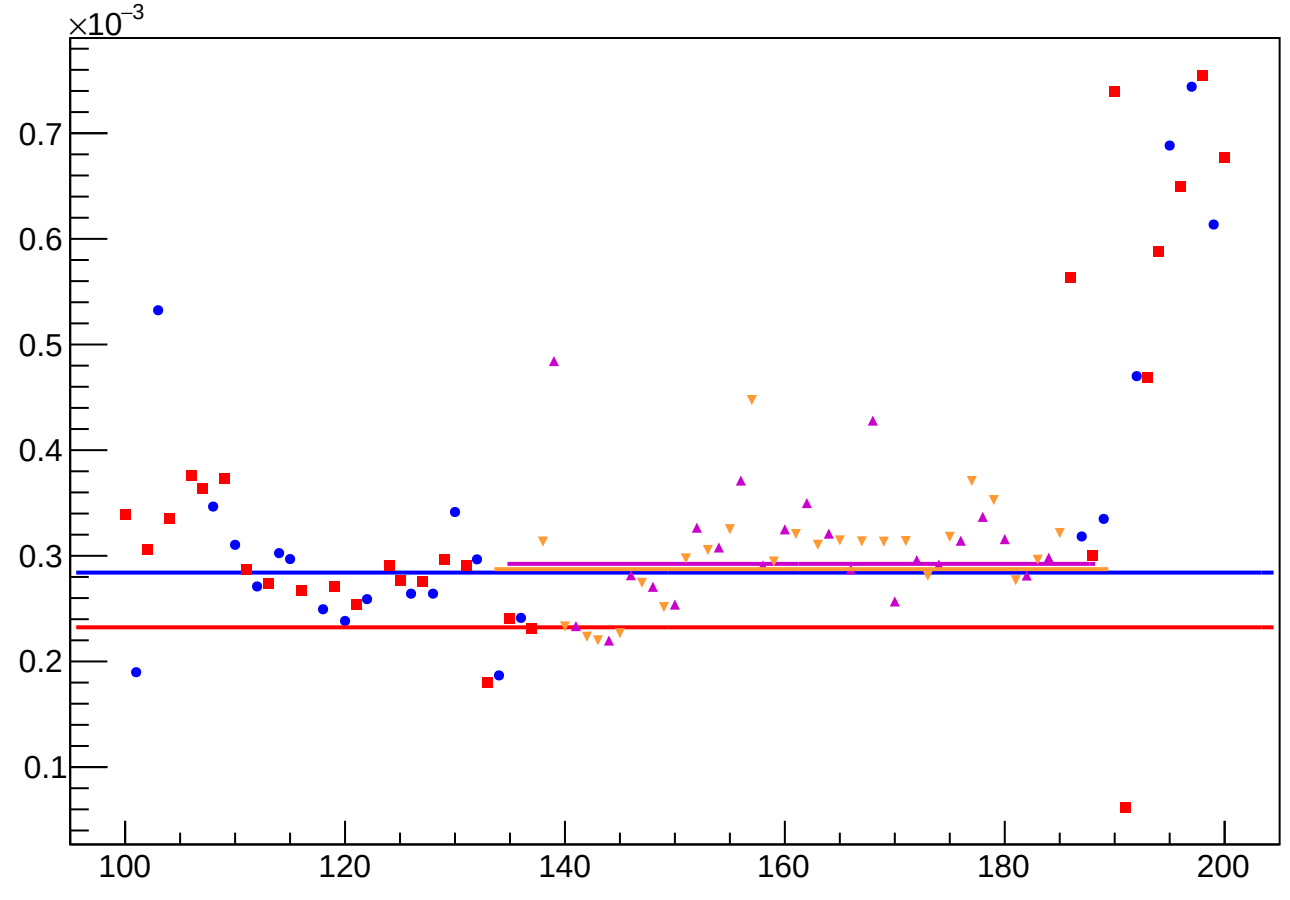
Right Out: 0.016+/-0.000 χ^2/NDF: 25071219235.3/27

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9135281502.2/46

All: 0.024+/-0.000 χ^2/NDF: 49787200666.0/9

- sign 0.023+/-0.000 χ^2/NDF: 39088708489.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2856235.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

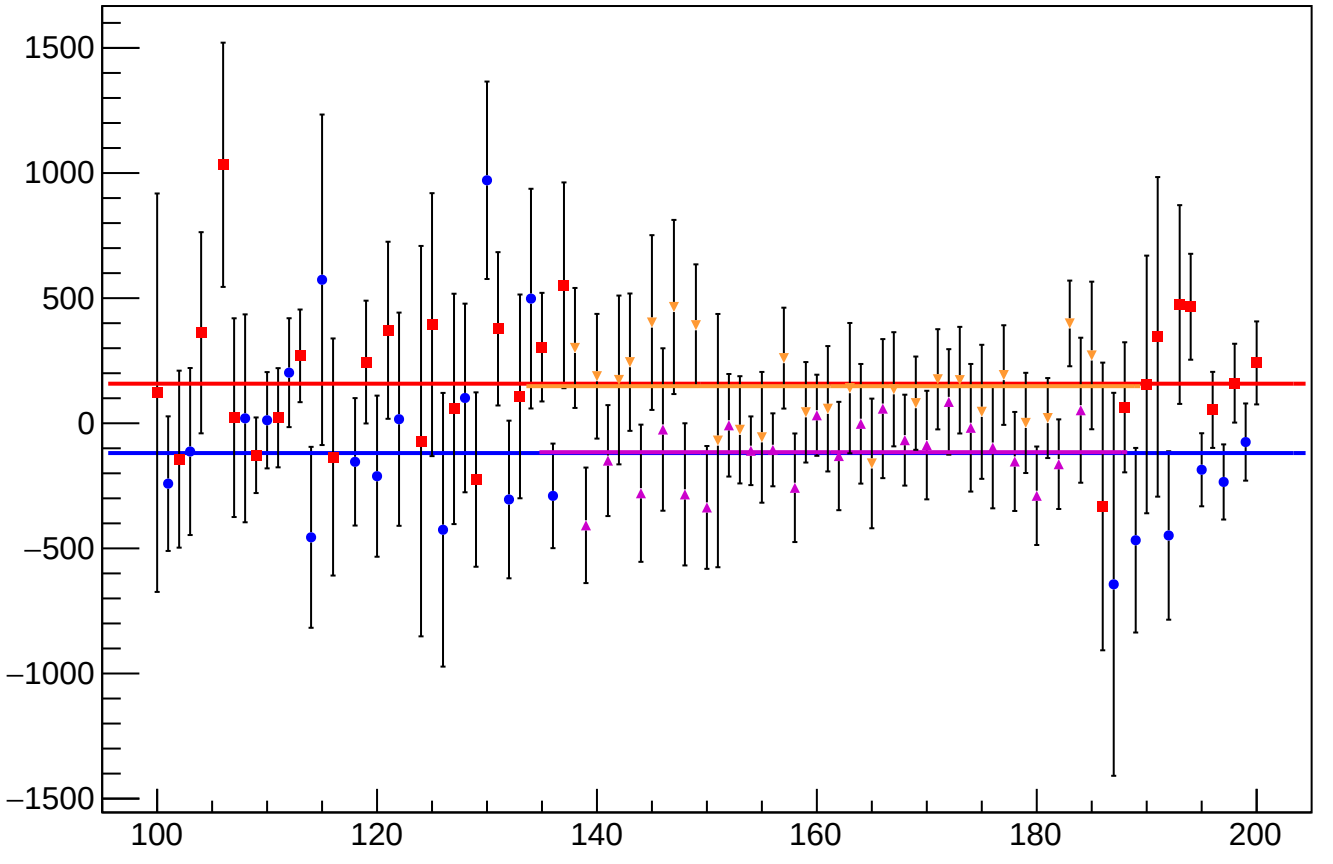
Right Out: 0.000+/-0.000 χ^2/NDF: 7486335.1/27

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 3679314.8/46

All: 0.000+/-0.000 χ^2/NDF: 12923912.8/97

- sign 0.000+/-0.000 χ^2/NDF: 9091937.2/50



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 158.186+/-50.733 χ^2/NDF: 17.5/27

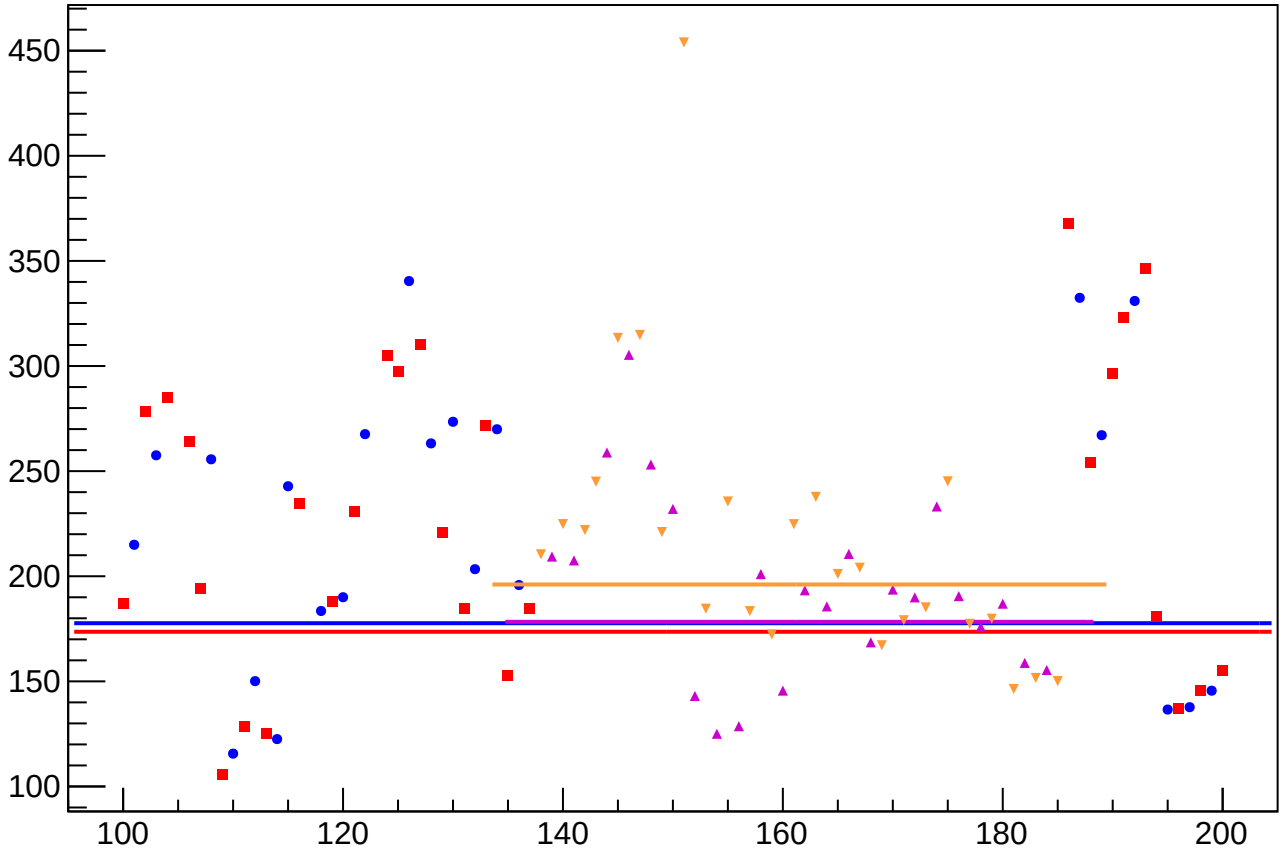
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 39.040+/-35.543 χ^2/NDF: 43.7/46

All: 18.466+/-24.204 χ^2/NDF: 86.2/97

- sign 0.674+/-33.053 χ^2/NDF: 42.0/50

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

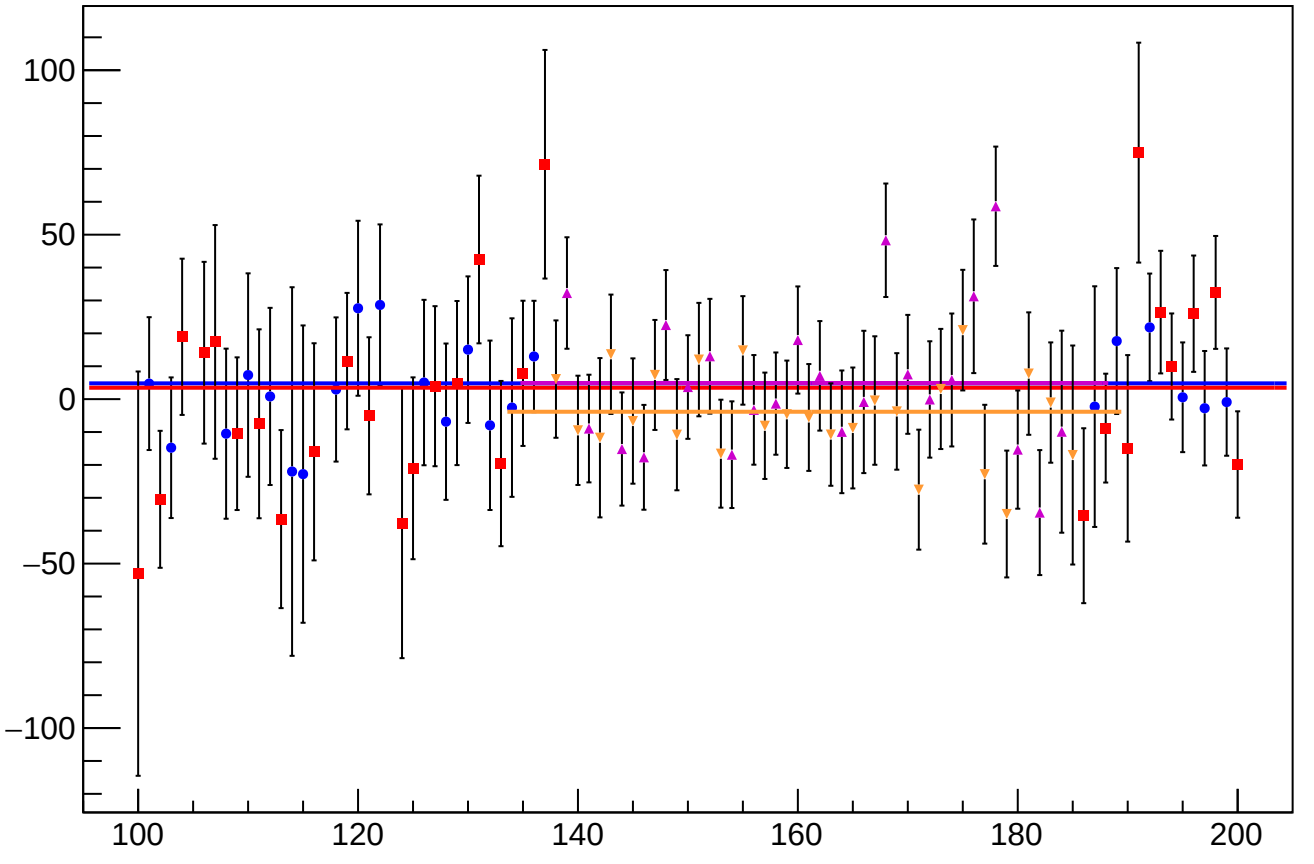
Right Out: 173.586+/-0.036 χ^2/NDF: 2887772.7/27

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 188.558+/-0.025 χ^2/NDF: 4086575.1/46

All: 181.990+/-0.017 χ^2/NDF: 8790070.1/97

- sign 176.309+/-0.023 χ^2/NDF: 4576123.9/50



Right In: 4.796+/-4.799 χ^2/NDF: 6.3/21

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

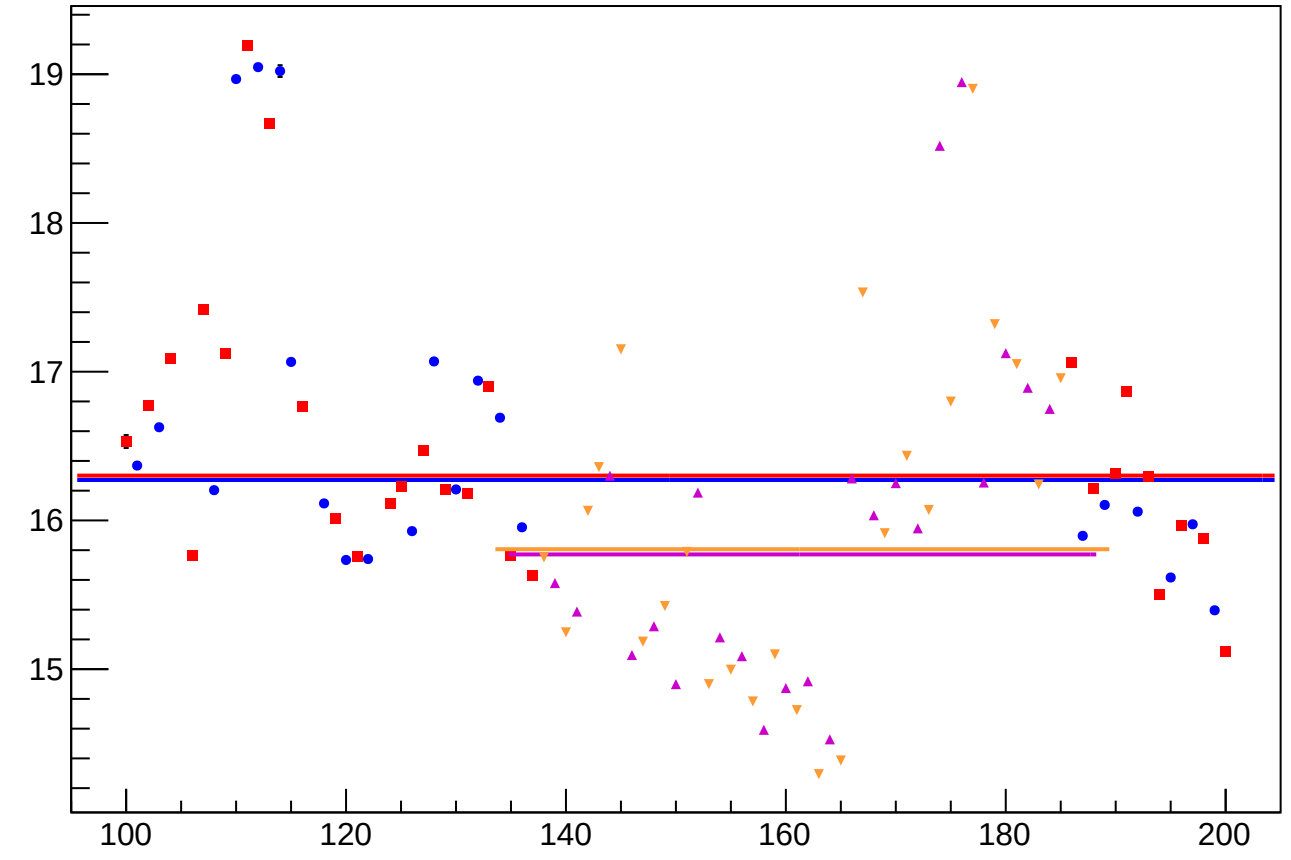
Right Out: 3.469+/-4.410 χ^2/NDF: 32.3/27

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.724+/-2.881 χ^2/NDF: 21.3/46

All: 1.837+/-2.020 χ^2/NDF: 89.1/97

- sign 4.312+/-2.832 χ^2/NDF: 66.2/50



Right In: 16.272+/-0.003 χ^2/NDF: 59622.0/21

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

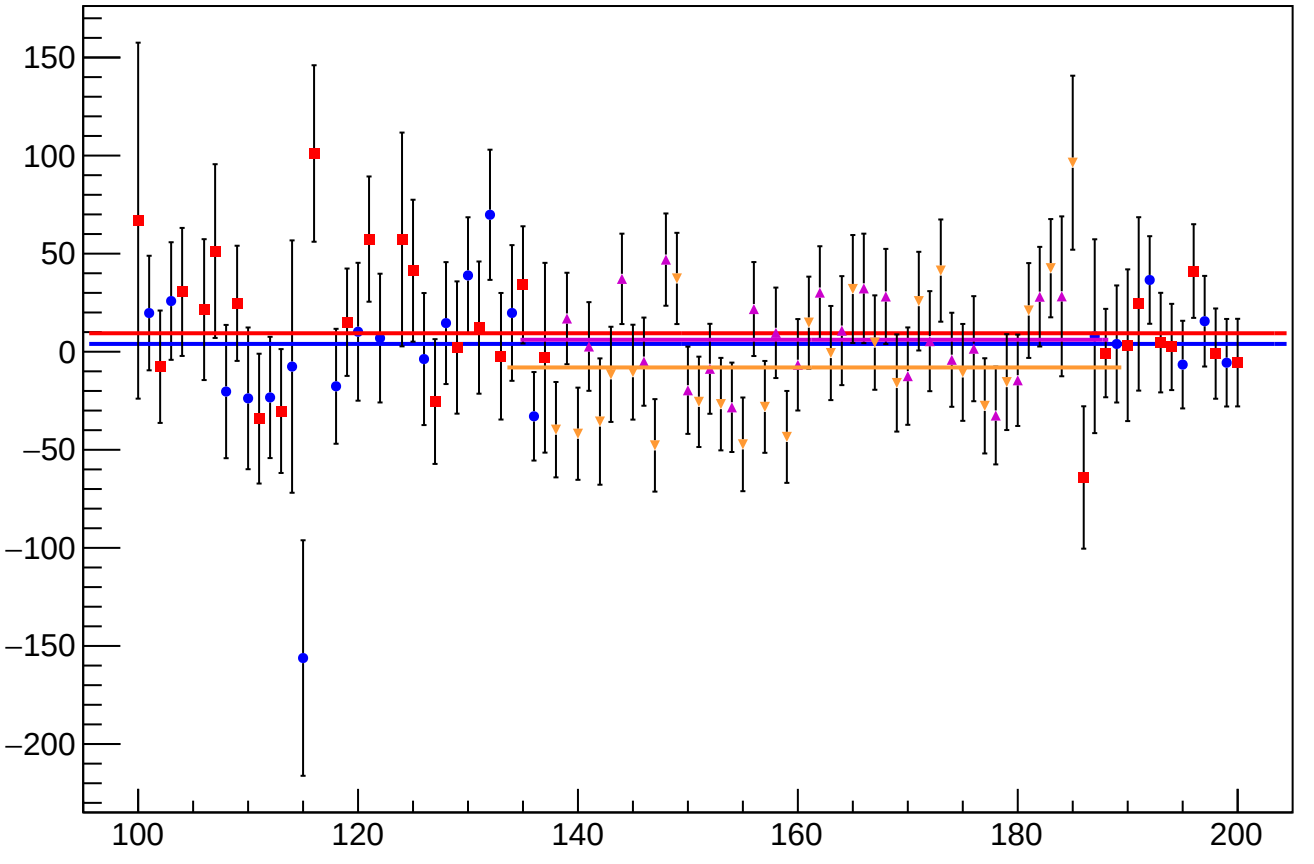
Right Out: 16.301+/-0.003 χ^2/NDF: 68947.9/27

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.974+/-0.002 χ^2/NDF: 244318.3/46

All: 15.982+/-0.001 χ^2/NDF: 482403.6/97

- sign 15.990+/-0.002 χ^2/NDF: 238054.3/50



Right In: 3.977+/-6.379 χ^2/NDF: 21.6/21

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.416+/-5.873 χ^2/NDF: 22.9/27

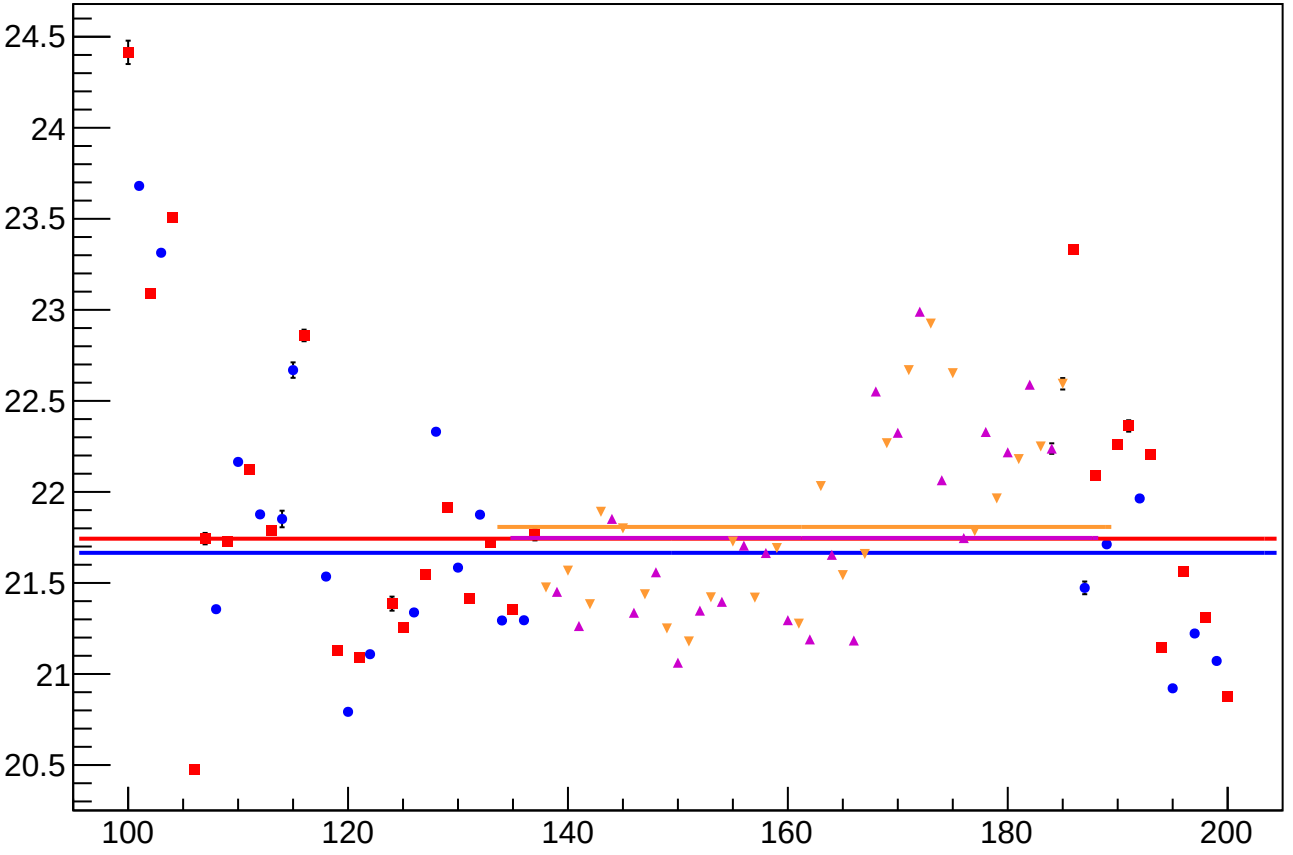
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -3.502+/-3.914 χ^2/NDF: 62.7/46

All: 2.106+/-2.742 χ^2/NDF: 107.6/97

- sign 7.511+/-3.842 χ^2/NDF: 41.0/50

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.665+/-0.005 χ^2/NDF: 25372.6/21

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

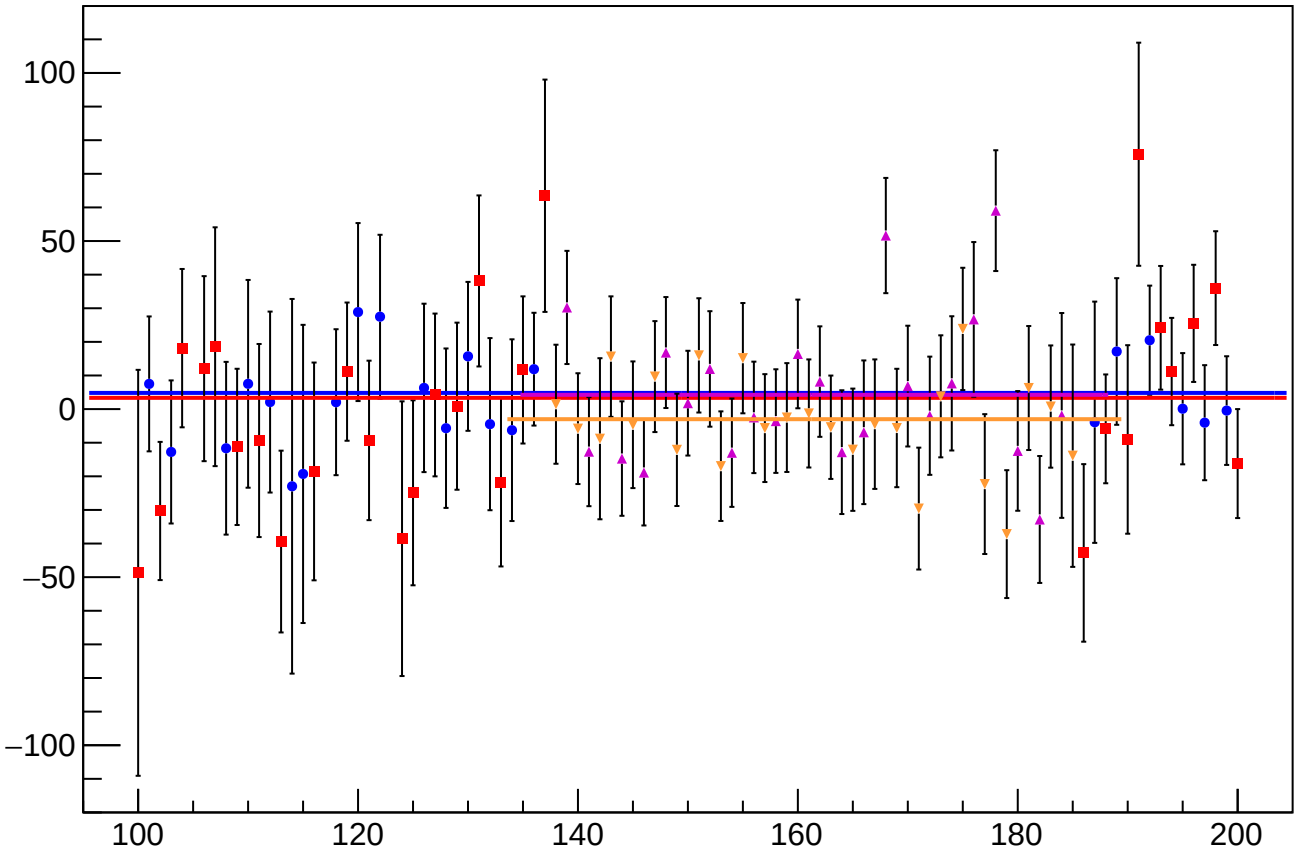
Right Out: 21.743+/-0.004 χ^2/NDF: 29980.2/27

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.754+/-0.003 χ^2/NDF: 43553.8/46

All: 21.750+/-0.002 χ^2/NDF: 94100.5/97

- sign 21.746+/-0.003 χ^2/NDF: 50541.6/50



Right In: 4.818+/-4.761 χ^2/NDF: 6.1/21

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

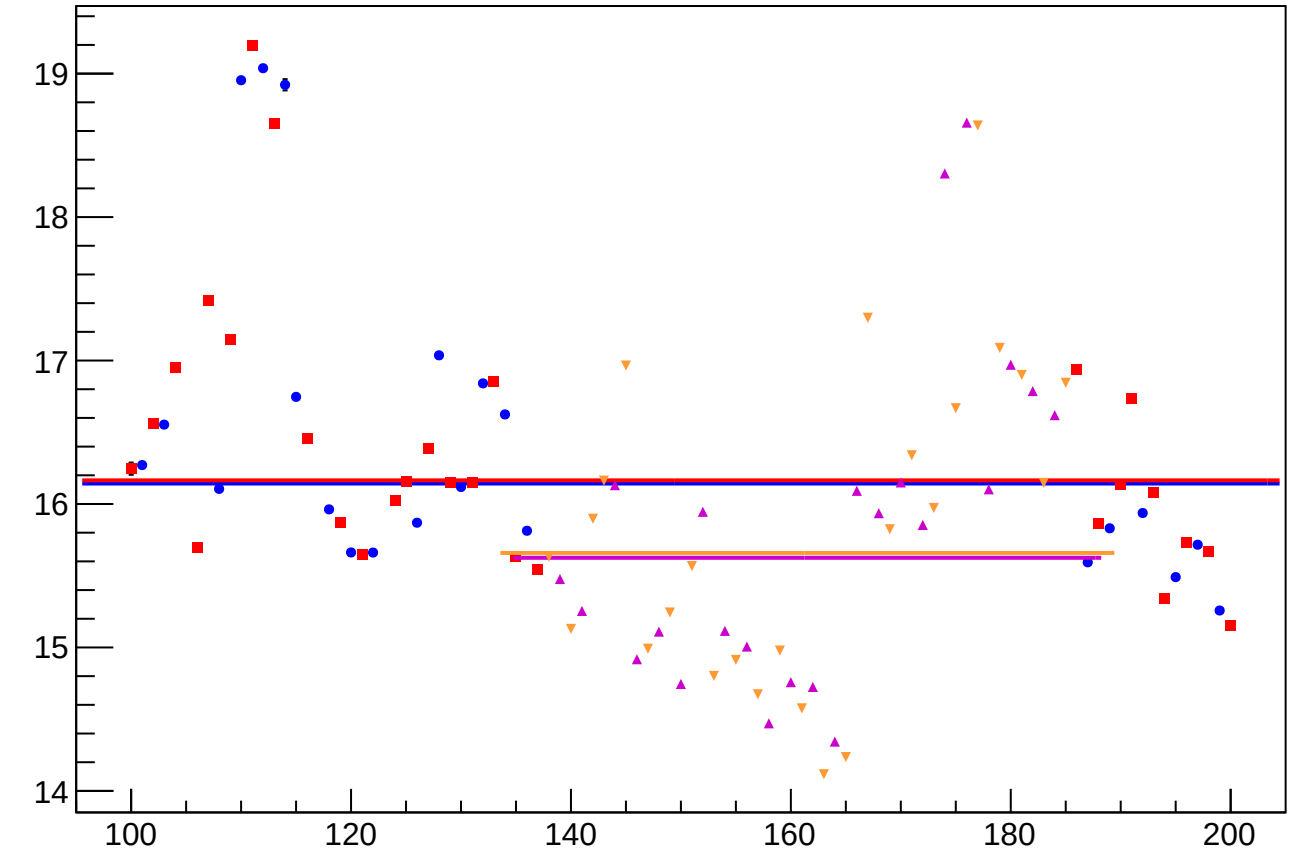
Right Out: 3.353+/-4.373 χ^2/NDF: 32.9/27

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.189+/-2.856 χ^2/NDF: 22.4/46

All: 1.880+/-2.002 χ^2/NDF: 90.2/97

- sign 3.880+/-2.807 χ^2/NDF: 66.7/50



Right In: 16.143+/-0.003 χ^2/NDF: 64956.3/21

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

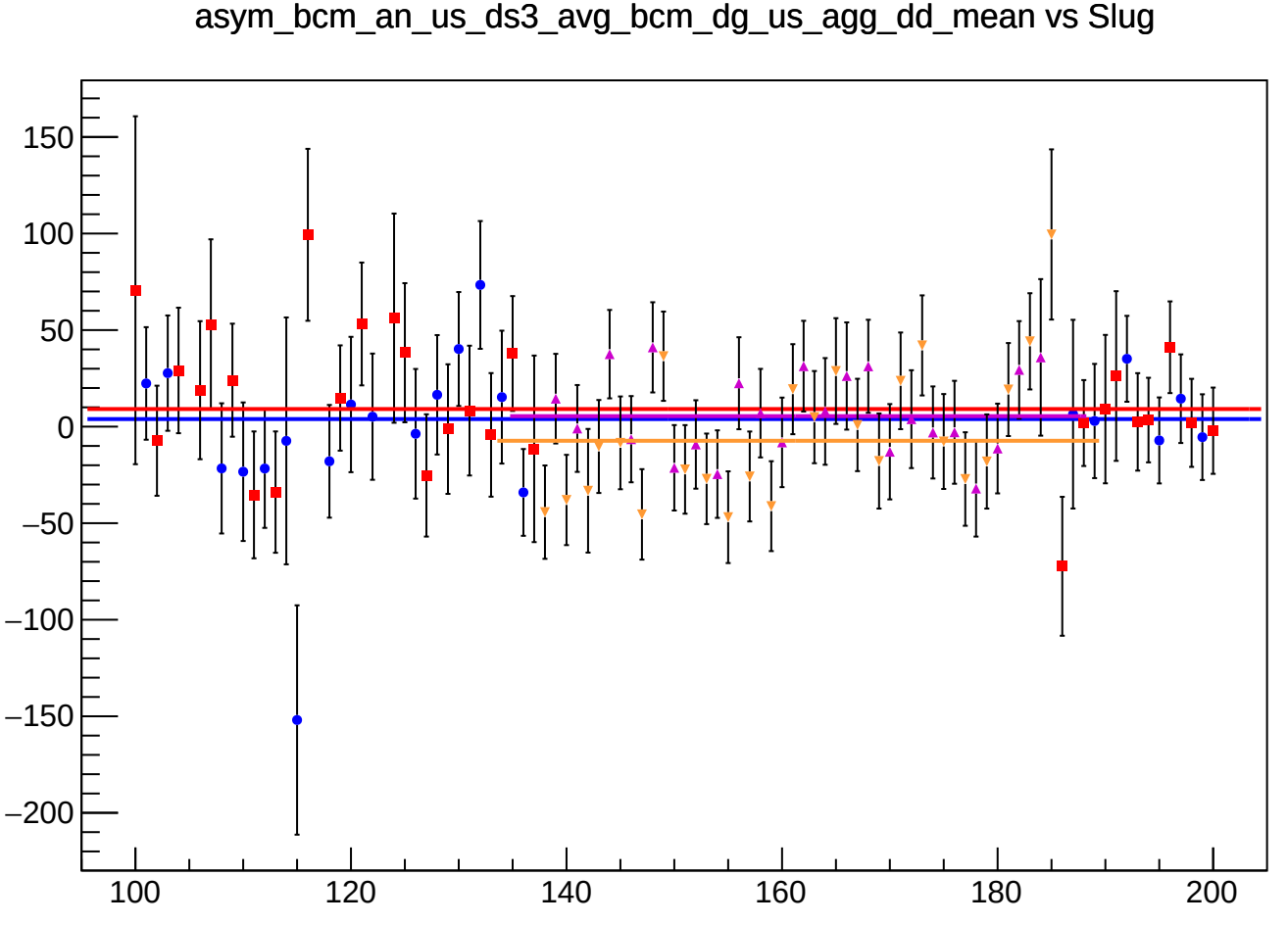
Right Out: 16.165+/-0.003 χ^2/NDF: 72927.6/27

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.833+/-0.002 χ^2/NDF: 248020.3/46

All: 15.840+/-0.001 χ^2/NDF: 489317.7/97

\- sign 15.847+/-0.002 χ^2/NDF: 241271.5/50



Right In: 3.915+/-6.348 χ^2/NDF: 22.1/21

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

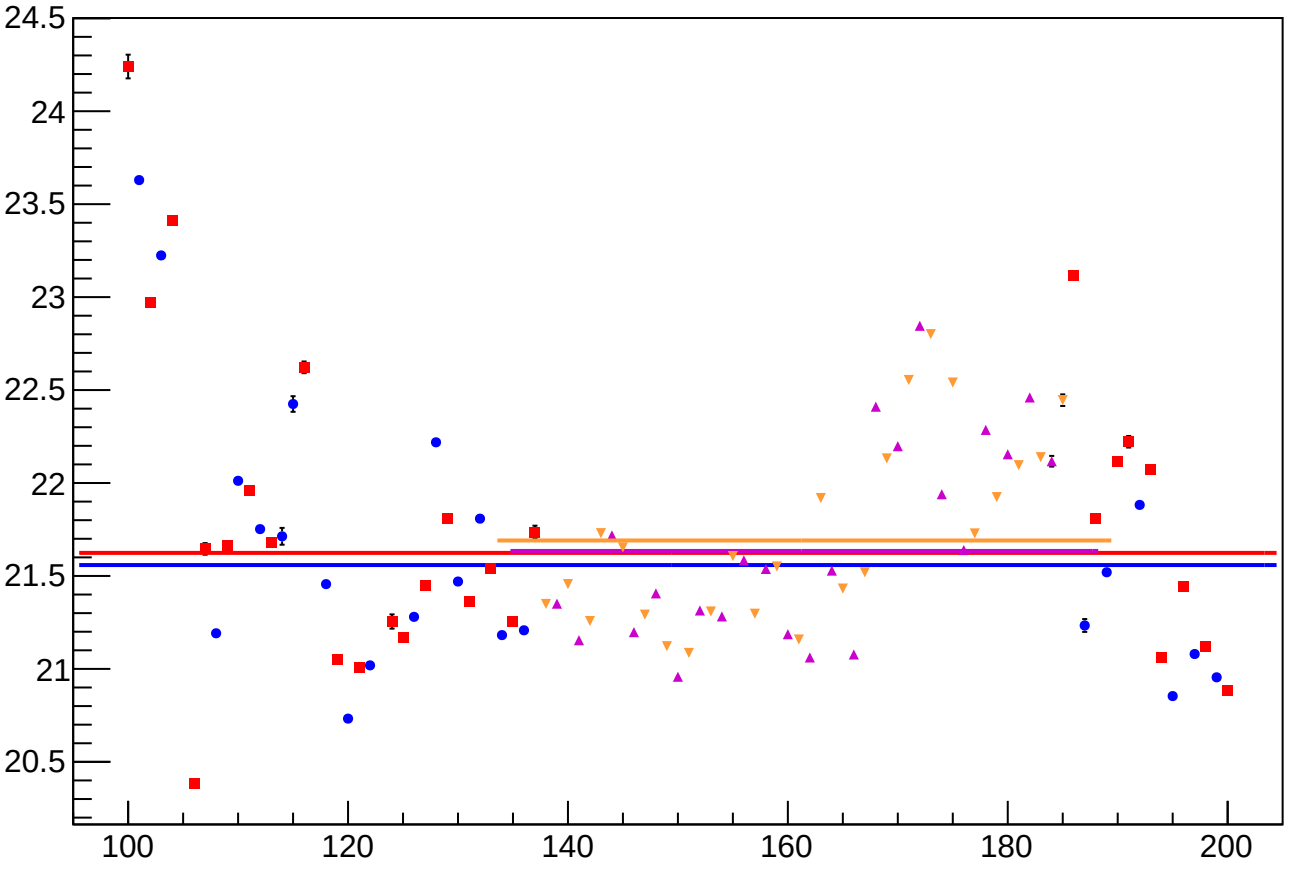
Right Out: 9.118+/-5.841 χ^2/NDF: 23.9/27

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -3.093+/-3.893 χ^2/NDF: 62.7/46

All: 2.053+/-2.727 χ^2/NDF: 107.6/97

\- sign 7.011+/-3.822 χ^2/NDF: 41.4/50



Right In: 21.559+/-0.004 χ^2/NDF: 25857.7/21

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.624+/-0.004 χ^2/NDF: 27983.9/27

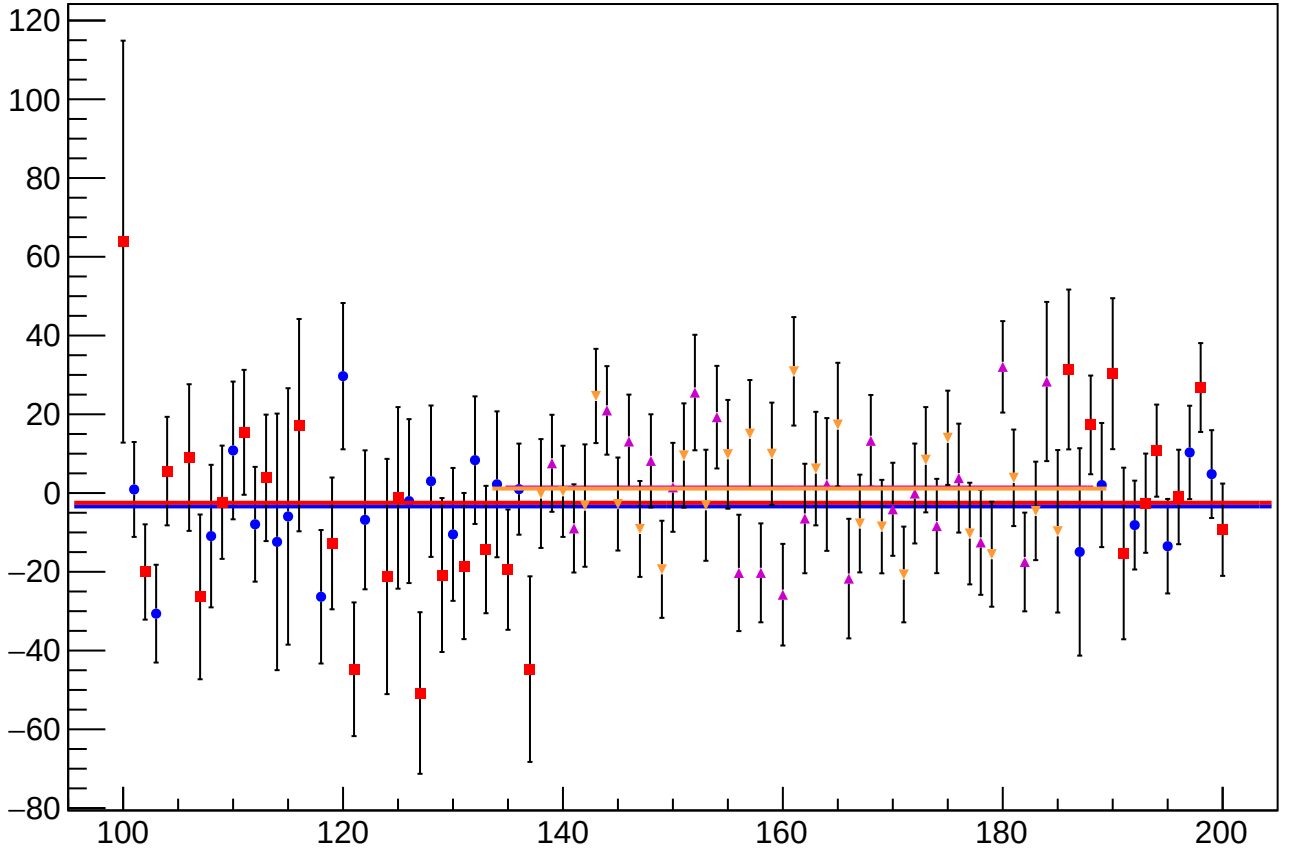
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.641+/-0.003 χ^2/NDF: 44334.1/46

All: 21.635+/-0.002 χ^2/NDF: 92891.4/97

- sign 21.630+/-0.003 χ^2/NDF: 48549.0/50

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -2.464+/-3.031 χ^2/NDF: 43.8/27

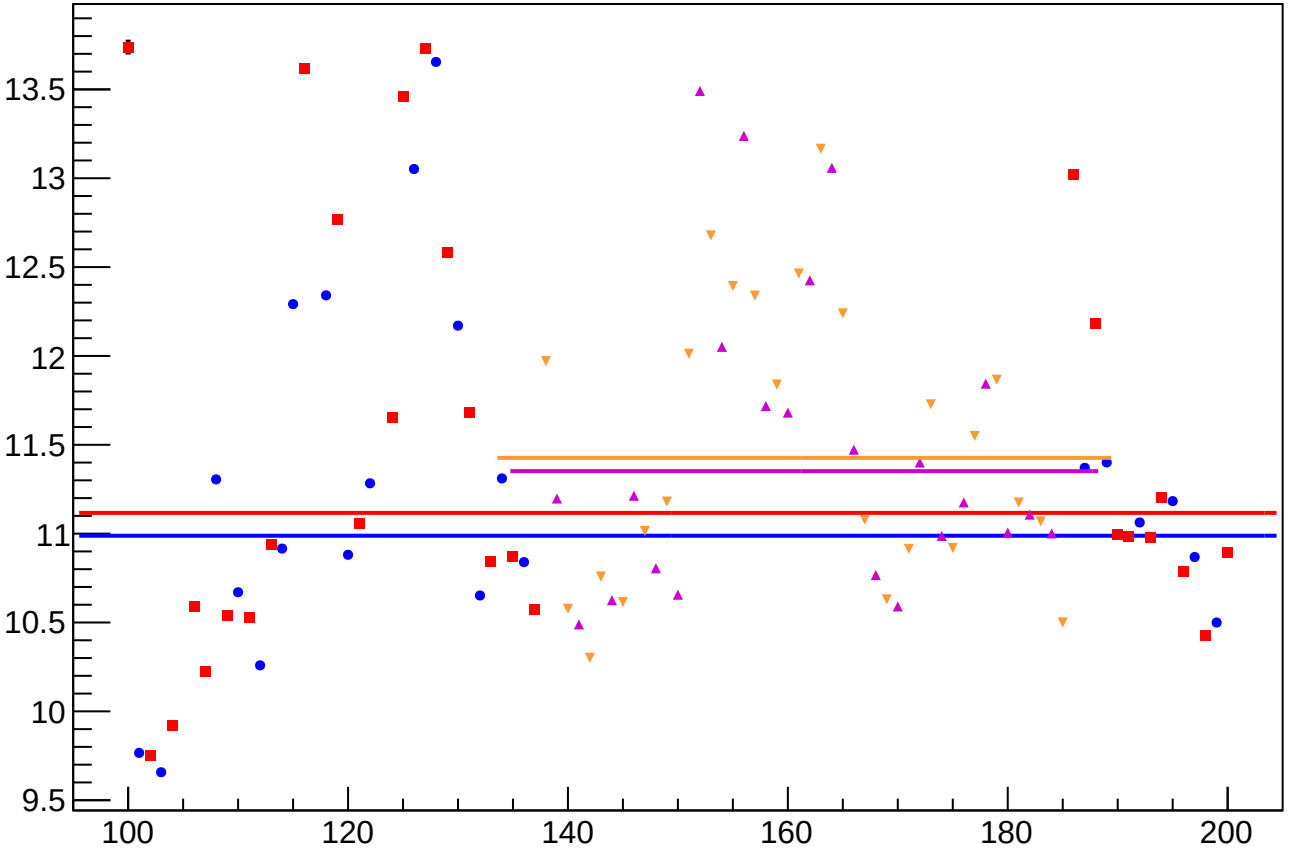
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.640+/-2.043 χ^2/NDF: 40.8/46

All: -0.461+/-1.431 χ^2/NDF: 121.9/97

- sign -0.288+/-2.005 χ^2/NDF: 81.1/50

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

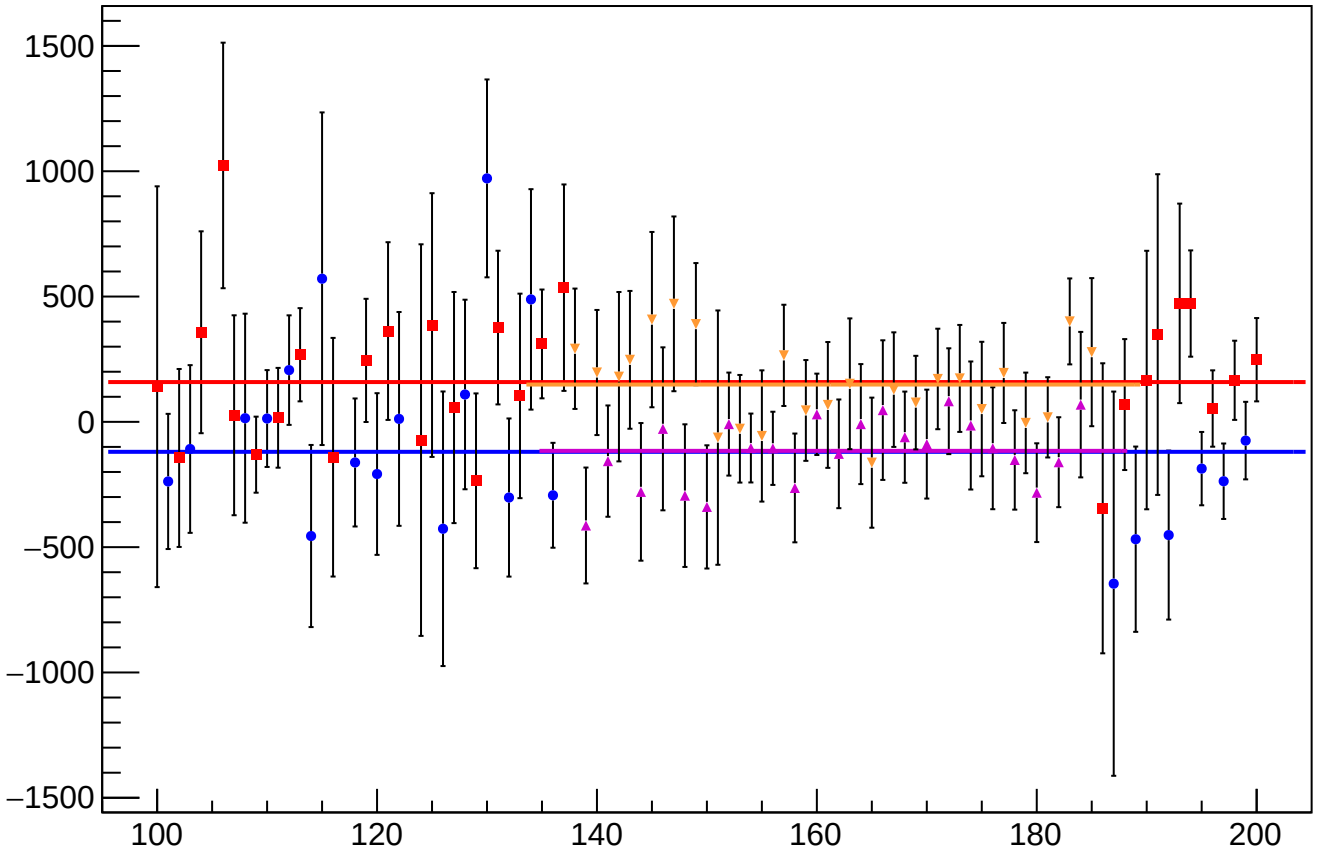
Right Out: 11.117+/-0.002 χ^2/NDF: 205326.5/27

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.255+/-0.001 χ^2/NDF: 321528.4/46

All: 11.252+/-0.001 χ^2/NDF: 704175.7/97

- sign 11.249+/-0.001 χ^2/NDF: 382639.4/50



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 158.766+/-50.877 χ^2/NDF: 17.5/27

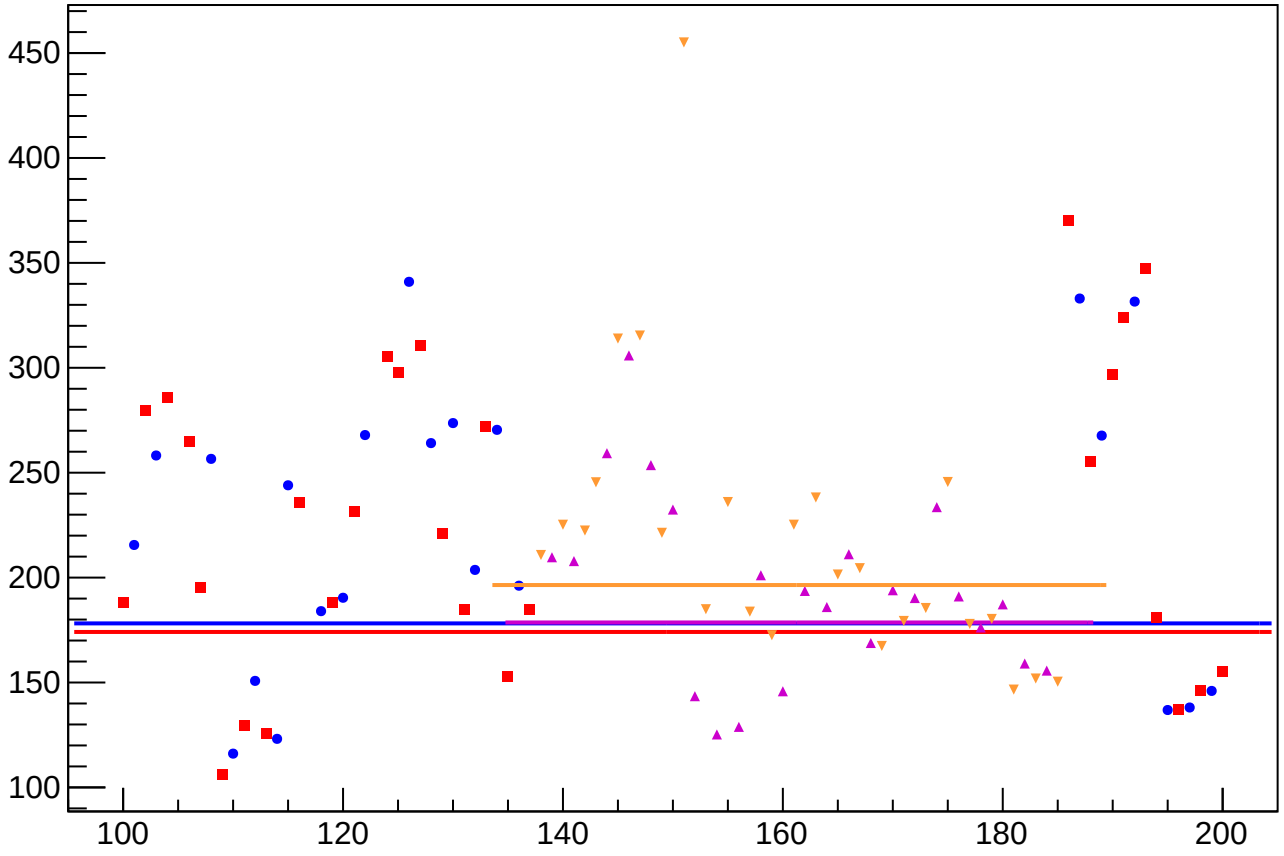
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

\+ sign 39.308+/-35.623 χ^2/NDF: 43.8/46

All: 18.569+/-24.258 χ^2/NDF: 86.6/97

\- sign 0.637+/-33.124 χ^2/NDF: 42.1/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

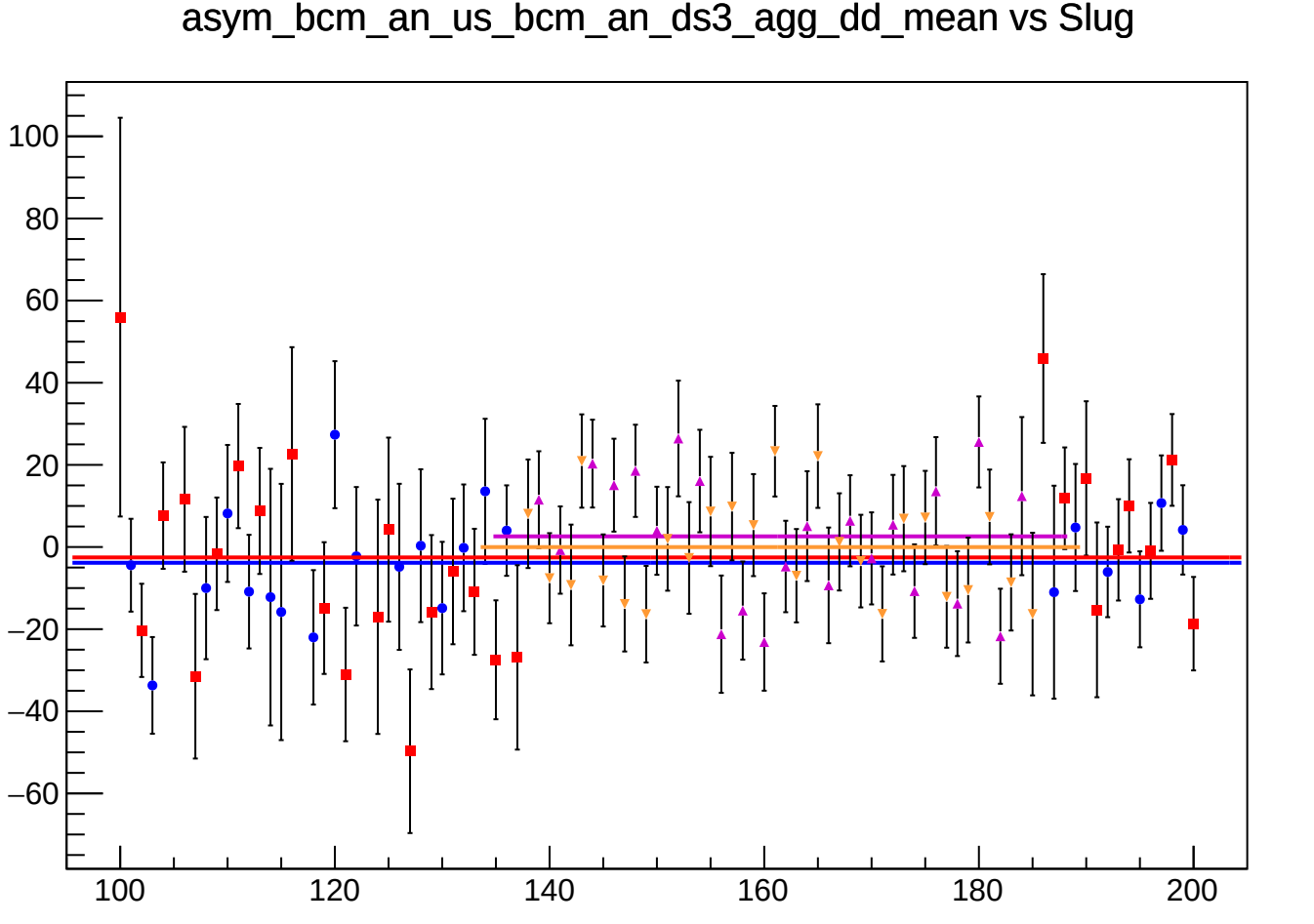
Right Out: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 188.993+/-0.025 χ^2/NDF: 4078289.1/46

All: 182.399+/-0.017 χ^2/NDF: 8778304.0/97

- sign 176.697+/-0.023 χ^2/NDF: 4572224.9/50



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.537+/-2.923 χ^2/NDF: 41.6/27

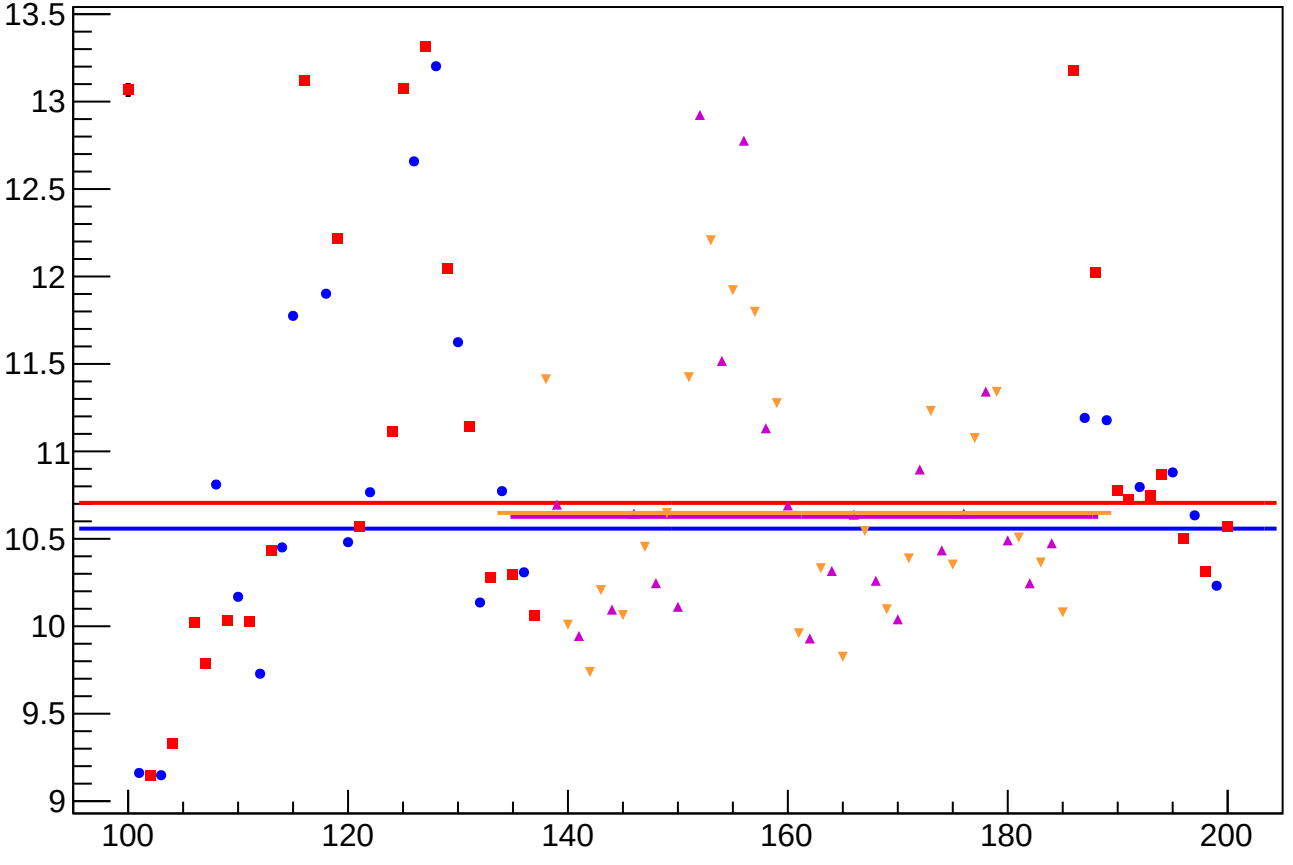
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.461+/-1.929 χ^2/NDF: 41.7/46

All: -0.508+/-1.354 χ^2/NDF: 120.3/97

- sign 0.419+/-1.902 χ^2/NDF: 78.2/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

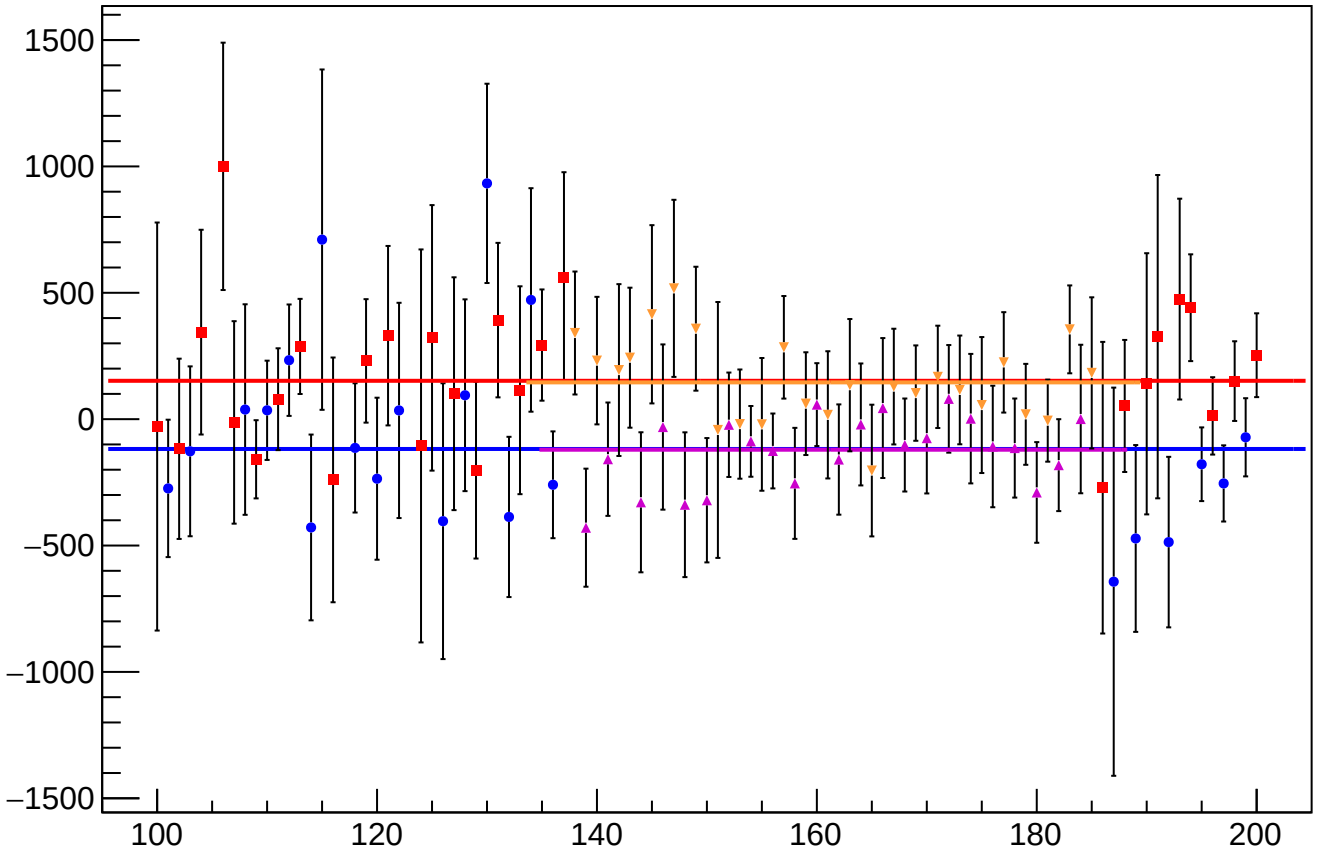
Right Out: 10.705+/-0.002 χ^2/NDF: 245706.3/27

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.614+/-0.001 χ^2/NDF: 311652.9/46

All: 10.637+/-0.001 χ^2/NDF: 718317.4/97

- sign 10.659+/-0.001 χ^2/NDF: 406107.7/50



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 151.808+/-51.122 χ^2/NDF: 17.5/27

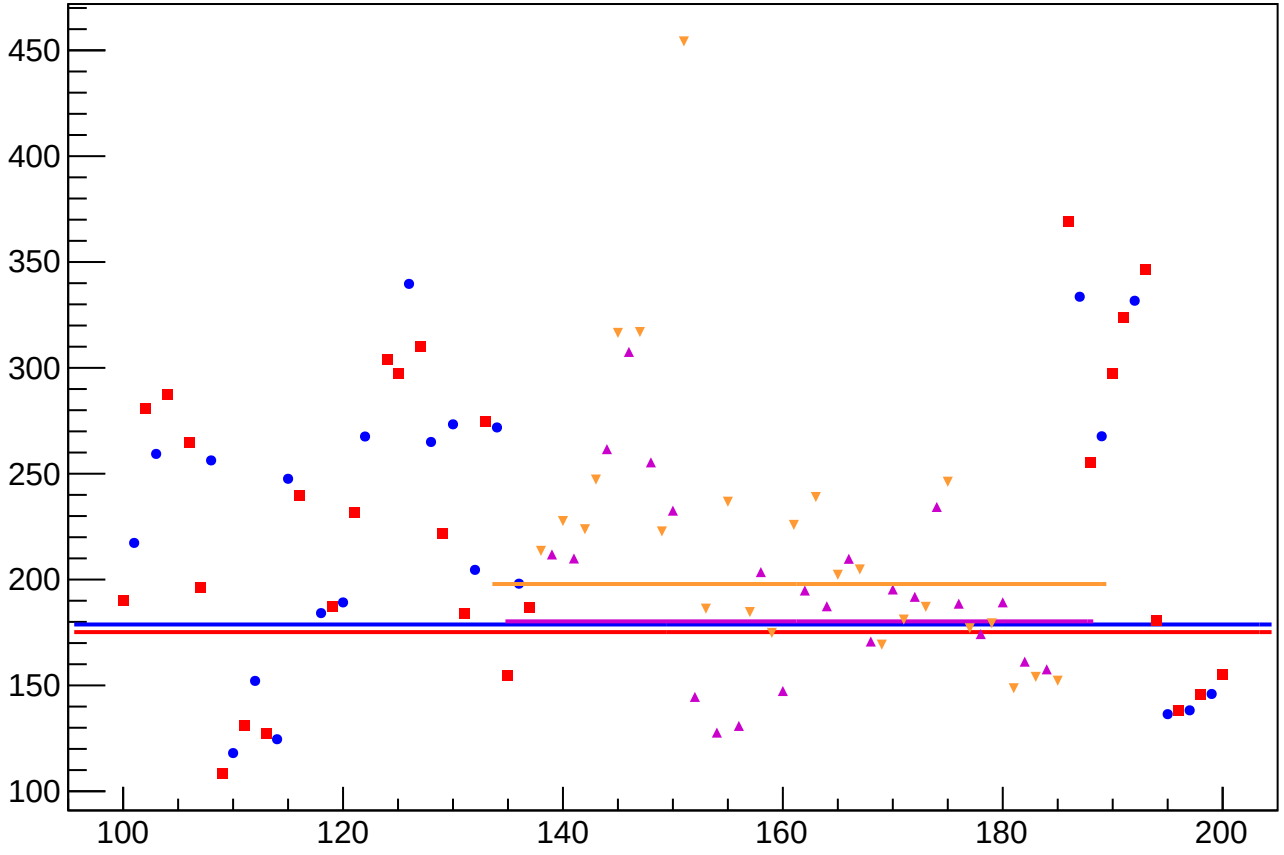
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 37.542+/-35.806 χ^2/NDF: 43.8/46

All: 14.834+/-24.403 χ^2/NDF: 86.6/97

- sign -4.861+/-33.346 χ^2/NDF: 42.0/50

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

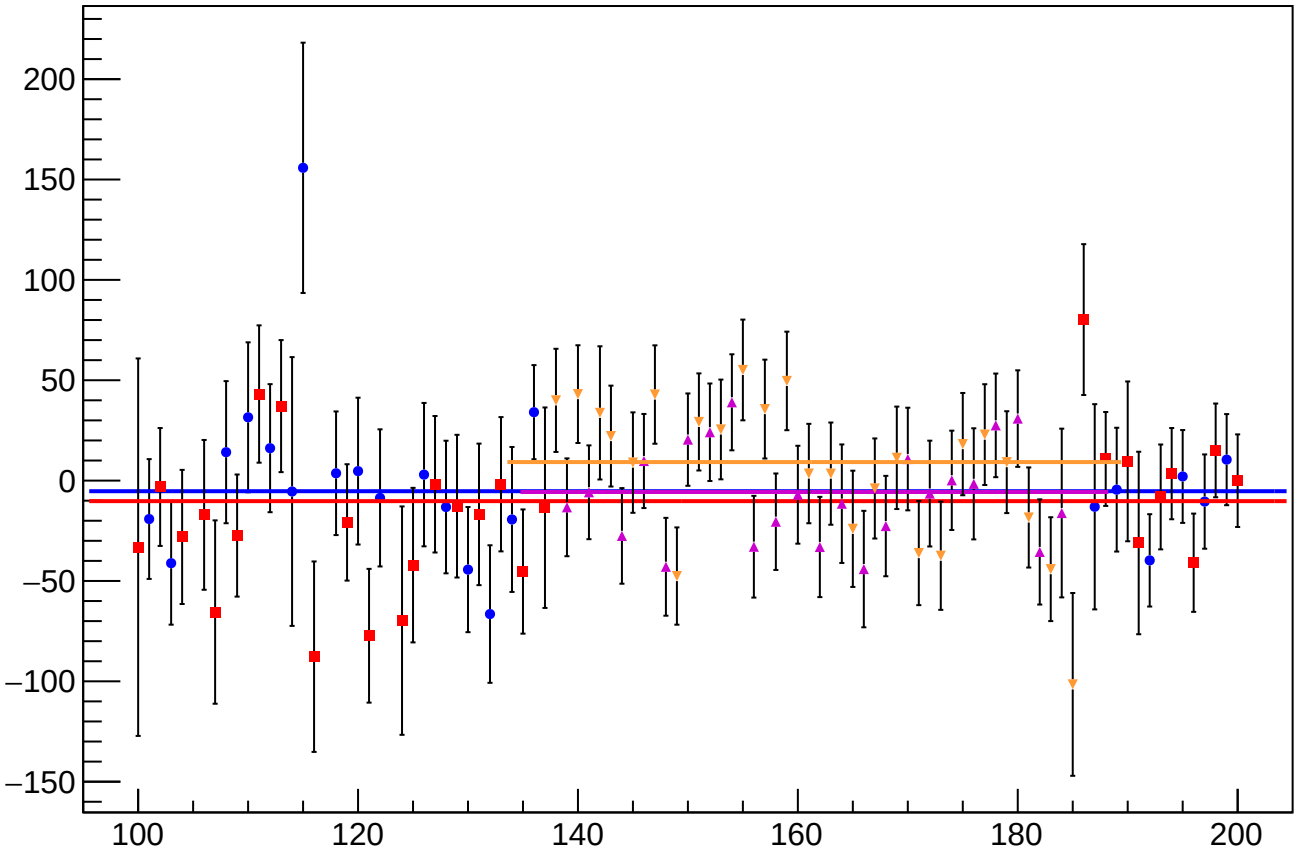
Right Out: 175.181+/-0.036 χ^2/NDF: 2824585.6/27

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 190.056+/-0.025 χ^2/NDF: 4048572.8/46

All: 183.649+/-0.017 χ^2/NDF: 8631798.4/97

- sign 178.092+/-0.024 χ^2/NDF: 4463650.2/50



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

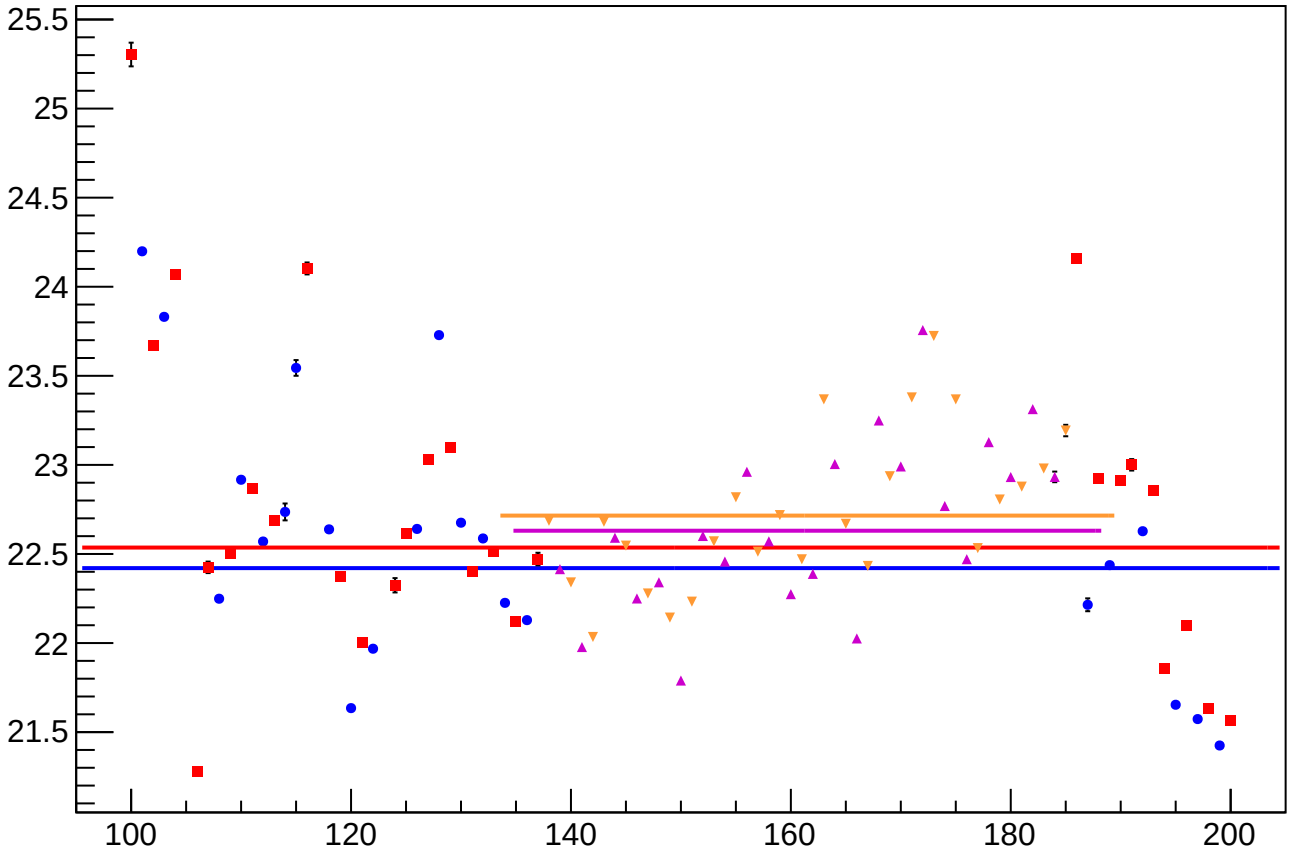
Right Out: -10.232+/-6.088 χ^2/NDF: 27.2/27

Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

\+ sign 3.726+/-4.067 χ^2/NDF: 63.3/46

All: -2.058+/-2.849 χ^2/NDF: 115.6/97

\- sign -7.630+/-3.992 χ^2/NDF: 48.3/50



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

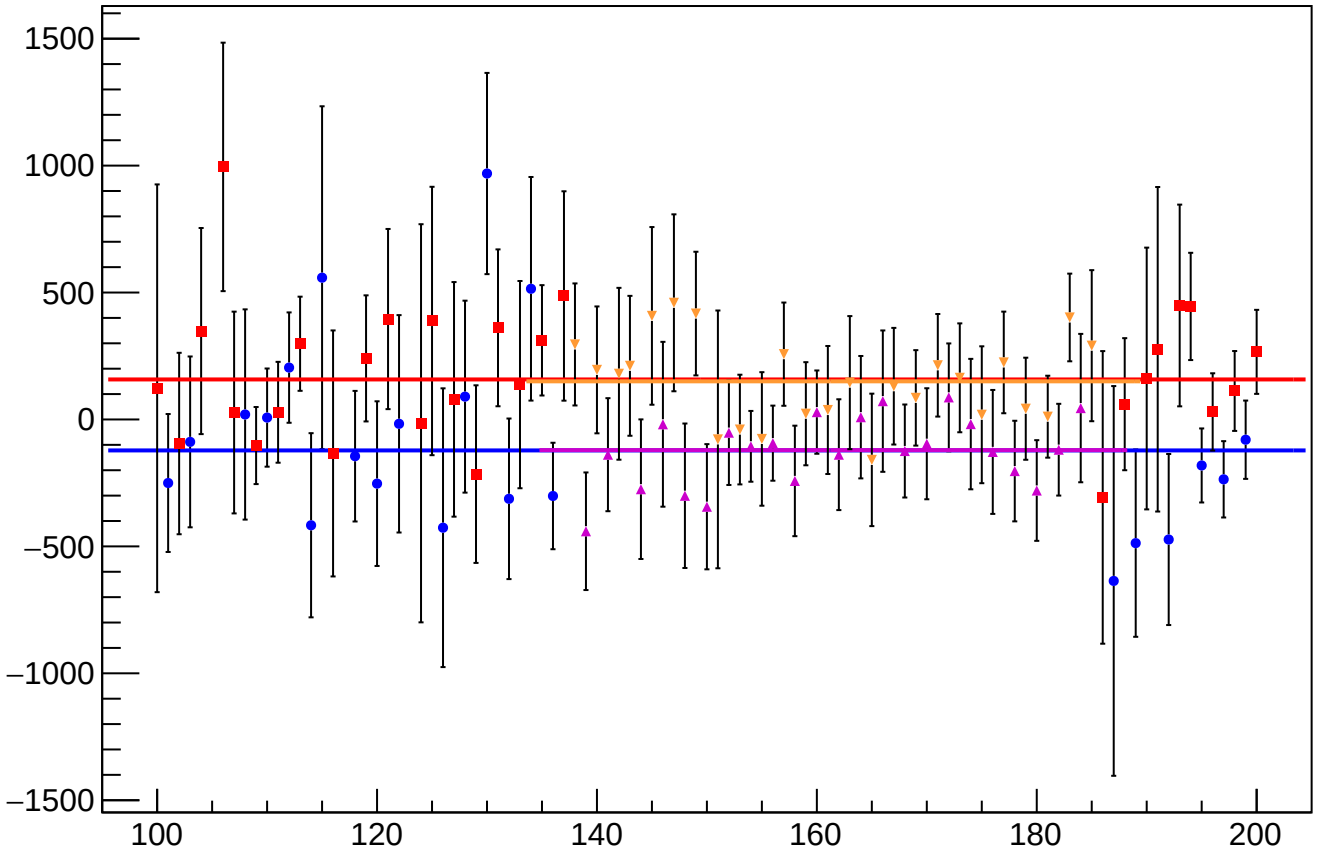
Right Out: 22.536+/-0.004 χ^2/NDF: 29469.7/27

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.604+/-0.003 χ^2/NDF: 41116.8/46

All: 22.597+/-0.002 χ^2/NDF: 86264.3/97

- sign 22.590+/-0.003 χ^2/NDF: 45136.0/50



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 157.642+/-50.864 χ^2/NDF: 16.0/27

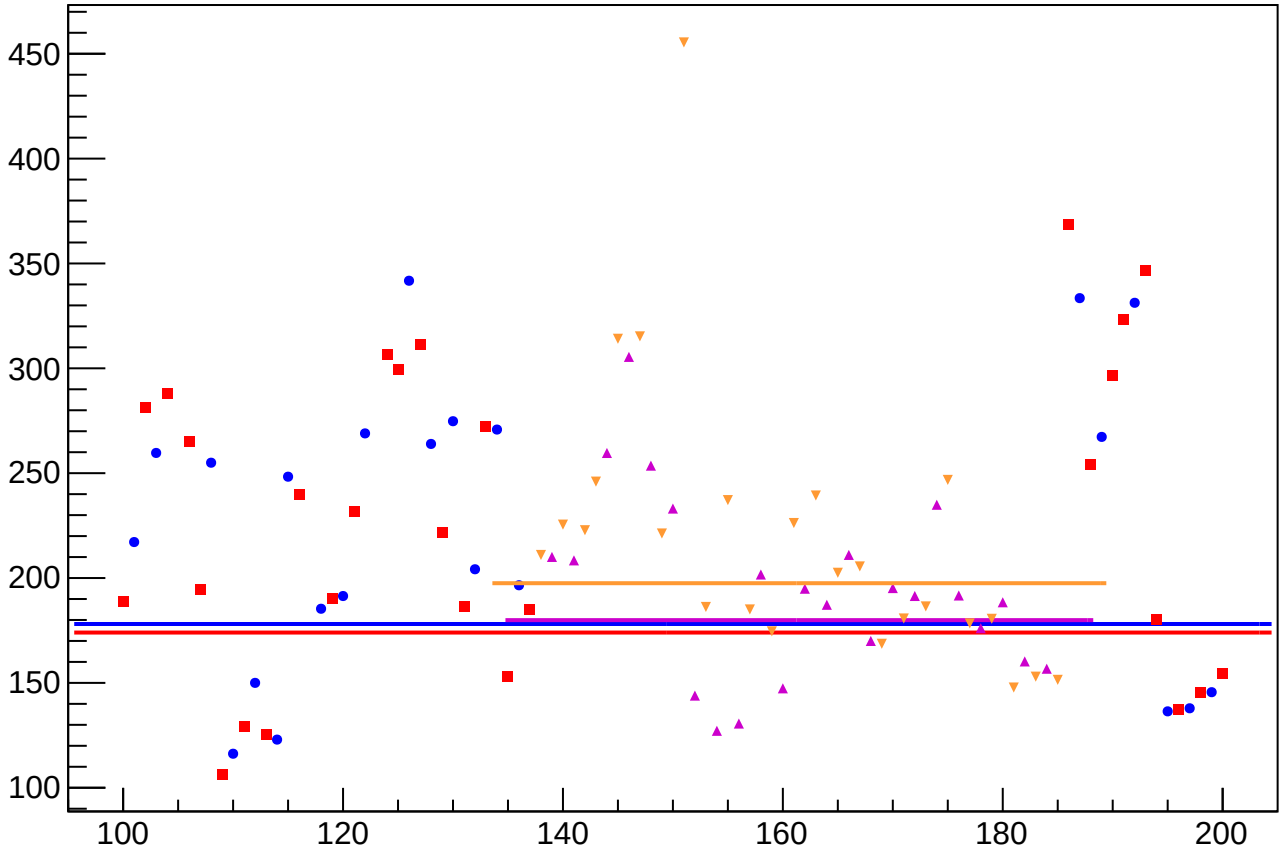
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 38.452+/-35.725 χ^2/NDF: 44.7/46

All: 16.854+/-24.336 χ^2/NDF: 86.4/97

- sign -1.846+/-33.242 χ^2/NDF: 41.1/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

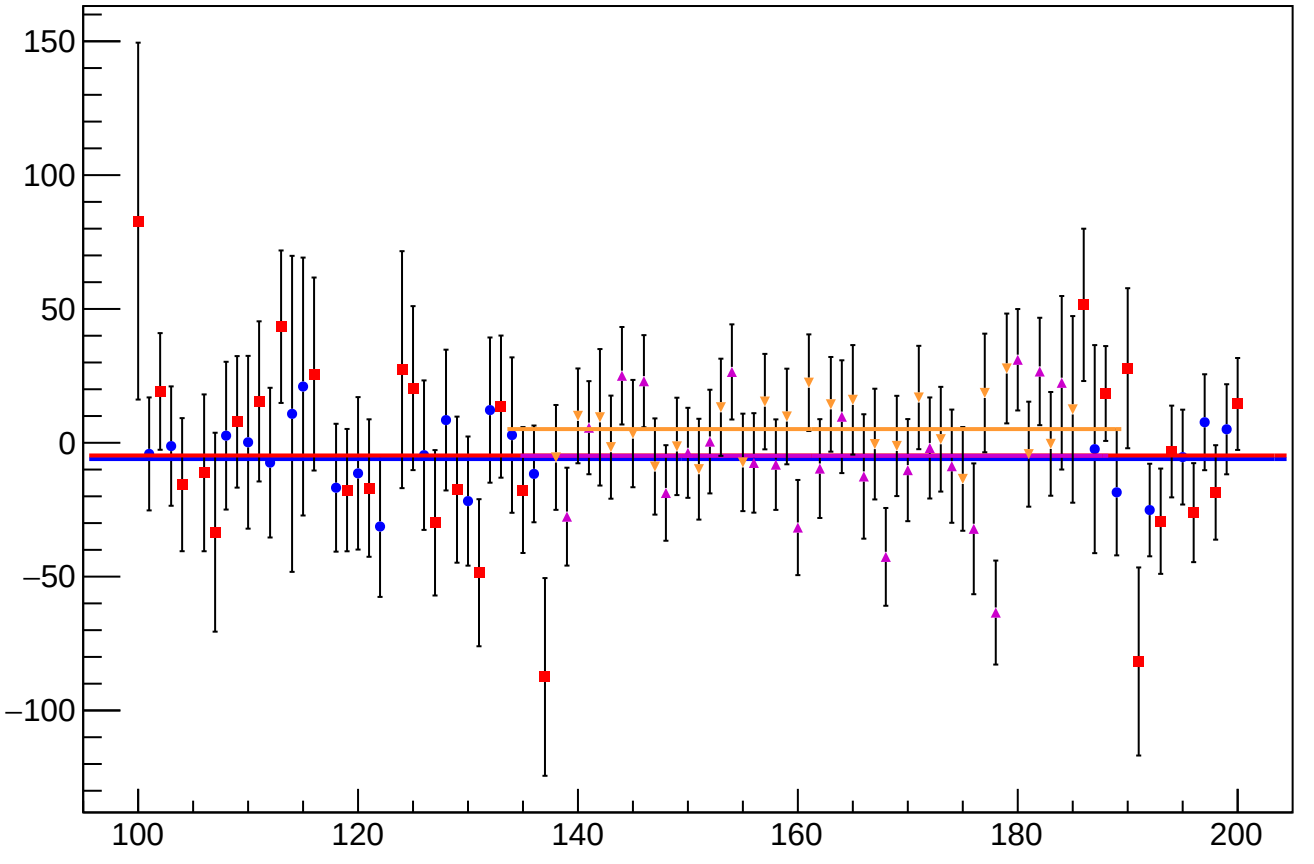
Right Out: 174.004+/-0.036 χ^2/NDF: 2902028.2/27

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 189.546+/-0.025 χ^2/NDF: 4087254.8/46

All: 183.034+/-0.017 χ^2/NDF: 8752952.3/97

- sign 177.395+/-0.024 χ^2/NDF: 4541691.6/50



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

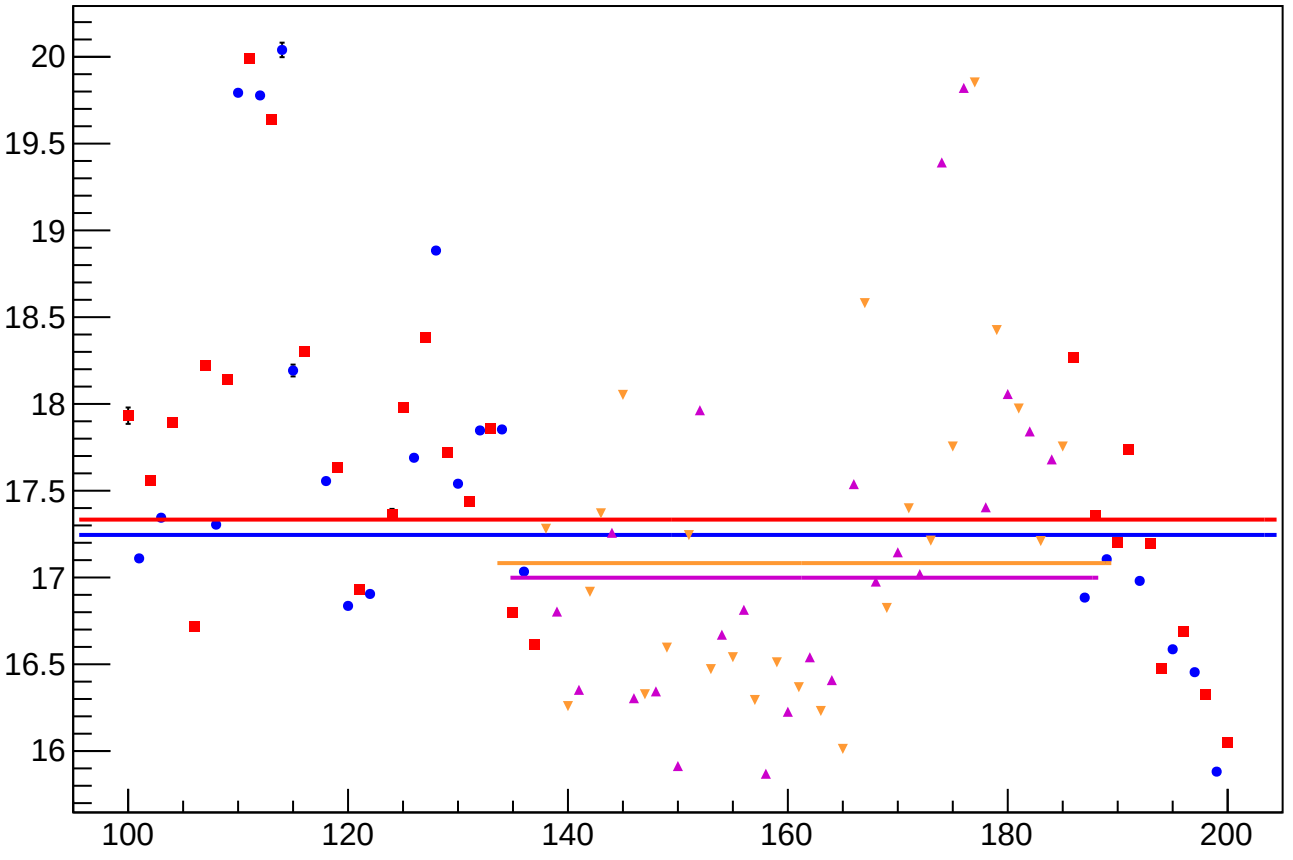
Right Out: -4.738+/-4.690 χ^2/NDF: 35.6/27

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.986+/-3.090 χ^2/NDF: 16.6/46

All: -1.963+/-2.165 χ^2/NDF: 89.5/97

- sign -4.808+/-3.035 χ^2/NDF: 71.1/50



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

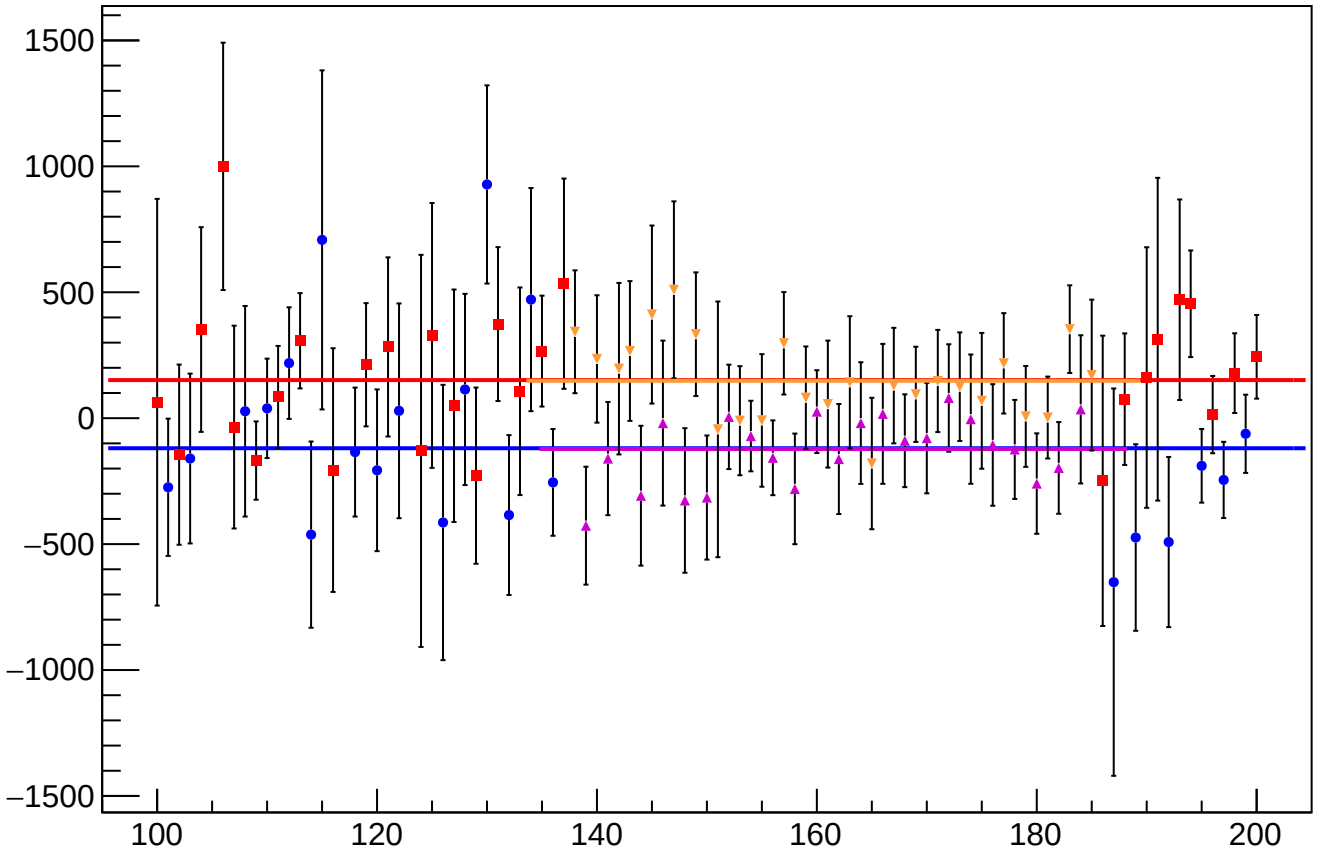
Right Out: 17.334+/-0.003 χ^2/NDF: 71258.7/27

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.143+/-0.002 χ^2/NDF: 164607.3/46

All: 17.141+/-0.002 χ^2/NDF: 345814.8/97

\- sign 17.139+/-0.002 χ^2/NDF: 181205.9/50



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 151.282+/-51.270 χ^2/NDF: 17.5/27

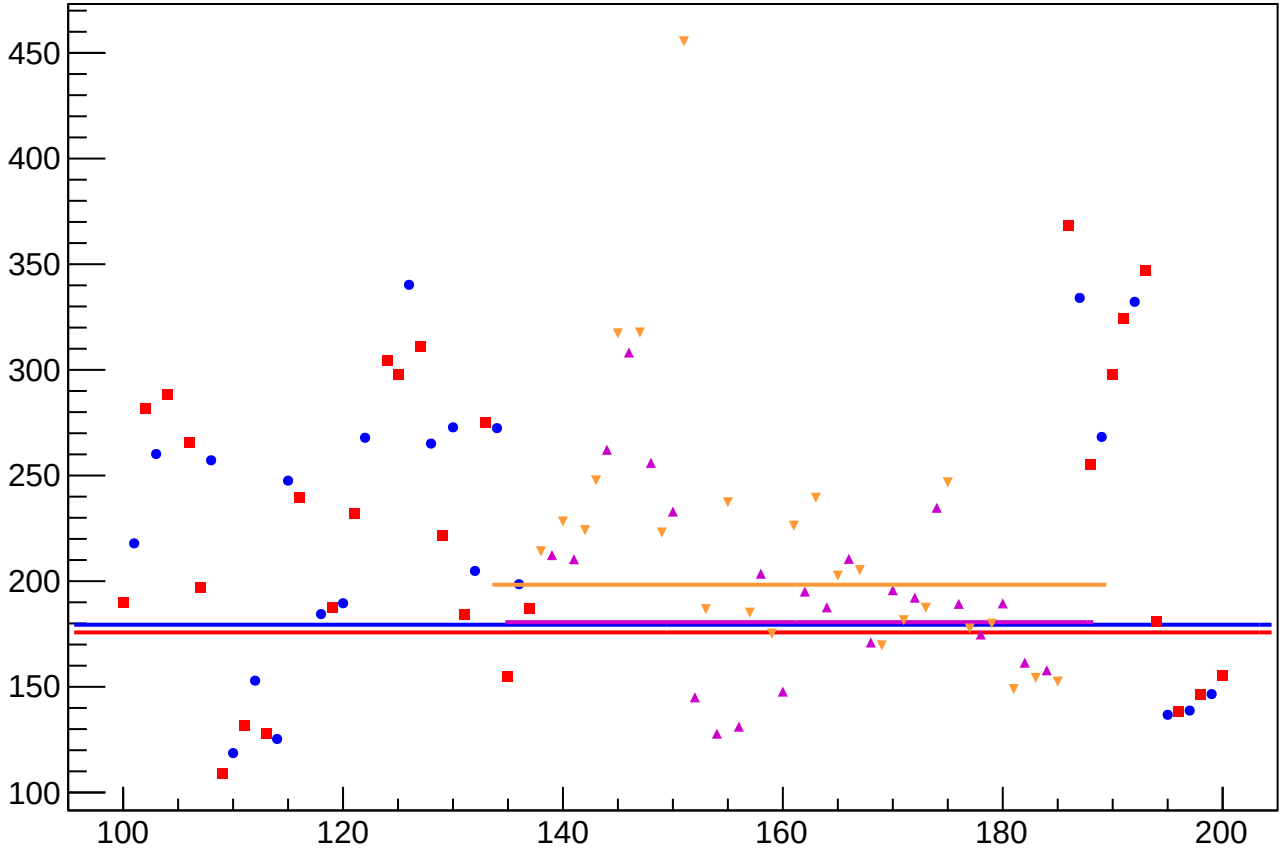
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 38.981+/-35.897 χ^2/NDF: 43.3/46

All: 14.855+/-24.462 χ^2/NDF: 85.9/97

- sign -6.063+/-33.425 χ^2/NDF: 41.7/50

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

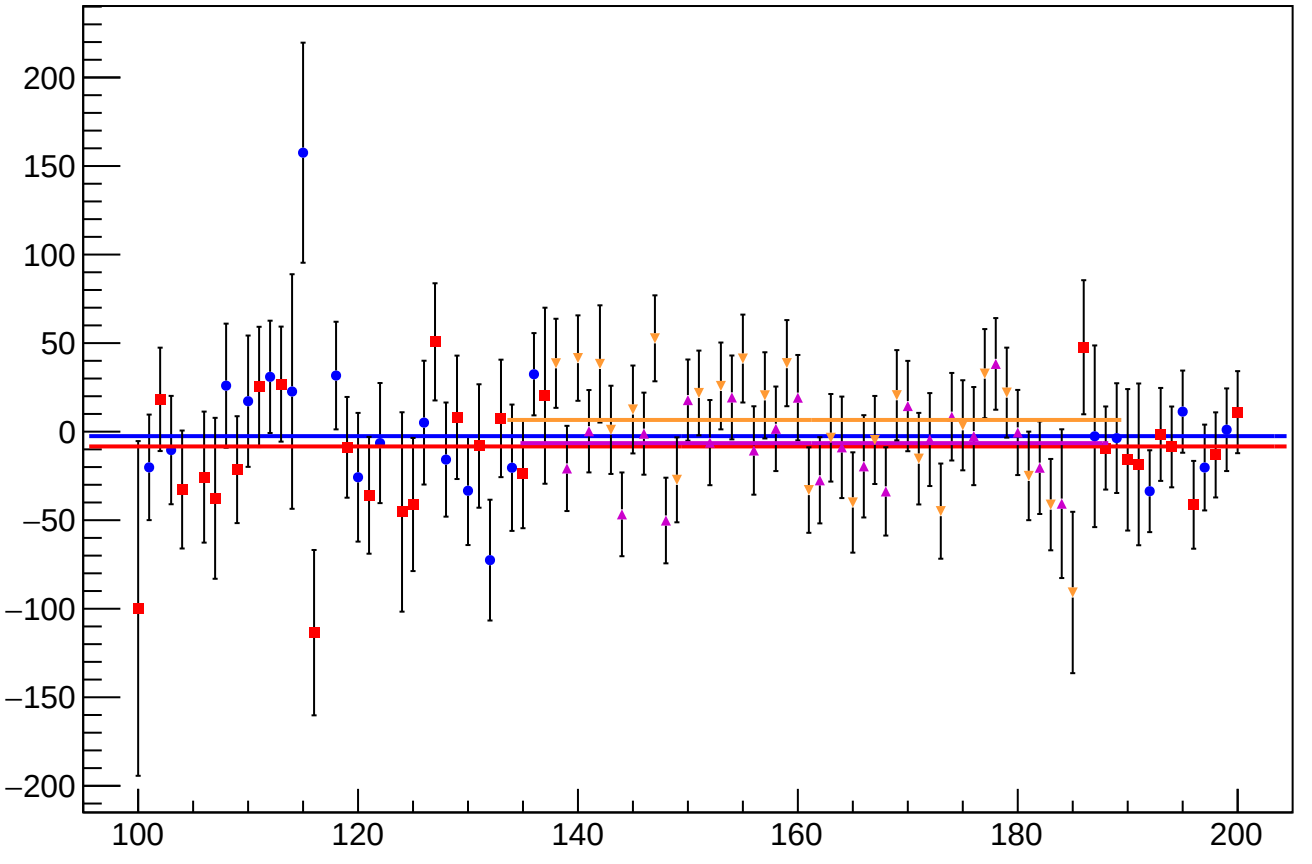
Right Out: 175.750+/-0.036 χ^2/NDF: 2807031.1/27

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 190.562+/-0.025 χ^2/NDF: 4033443.7/46

All: 184.122+/-0.017 χ^2/NDF: 8598993.8/97

- sign 178.539+/-0.024 χ^2/NDF: 4445399.0/50



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

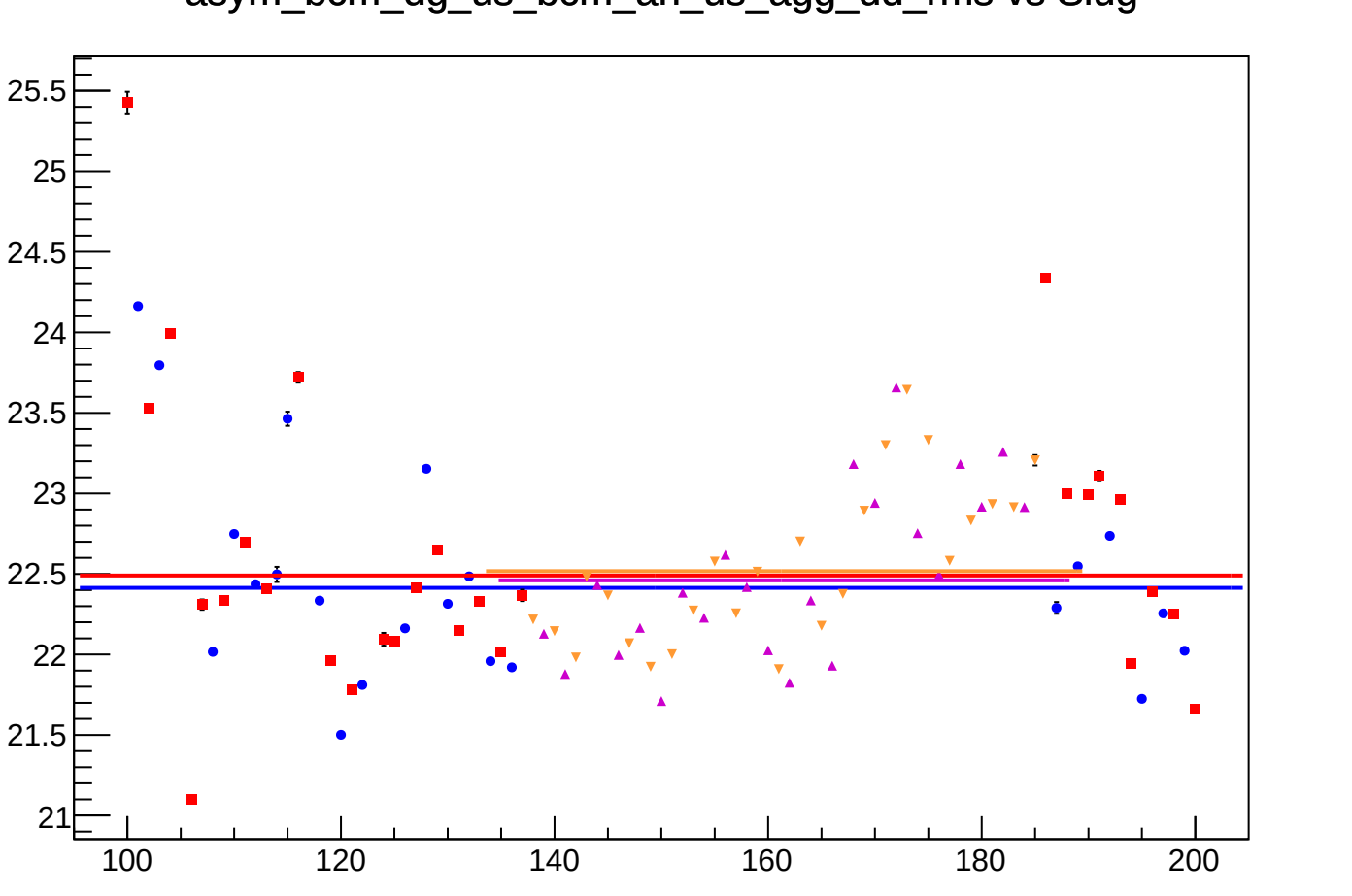
Right Out: -8.350+/-6.075 χ^2/NDF: 21.3/27

Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.176+/-4.044 χ^2/NDF: 59.7/46

All: -2.147+/-2.833 χ^2/NDF: 101.9/97

- sign -7.280+/-3.971 χ^2/NDF: 38.8/50



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

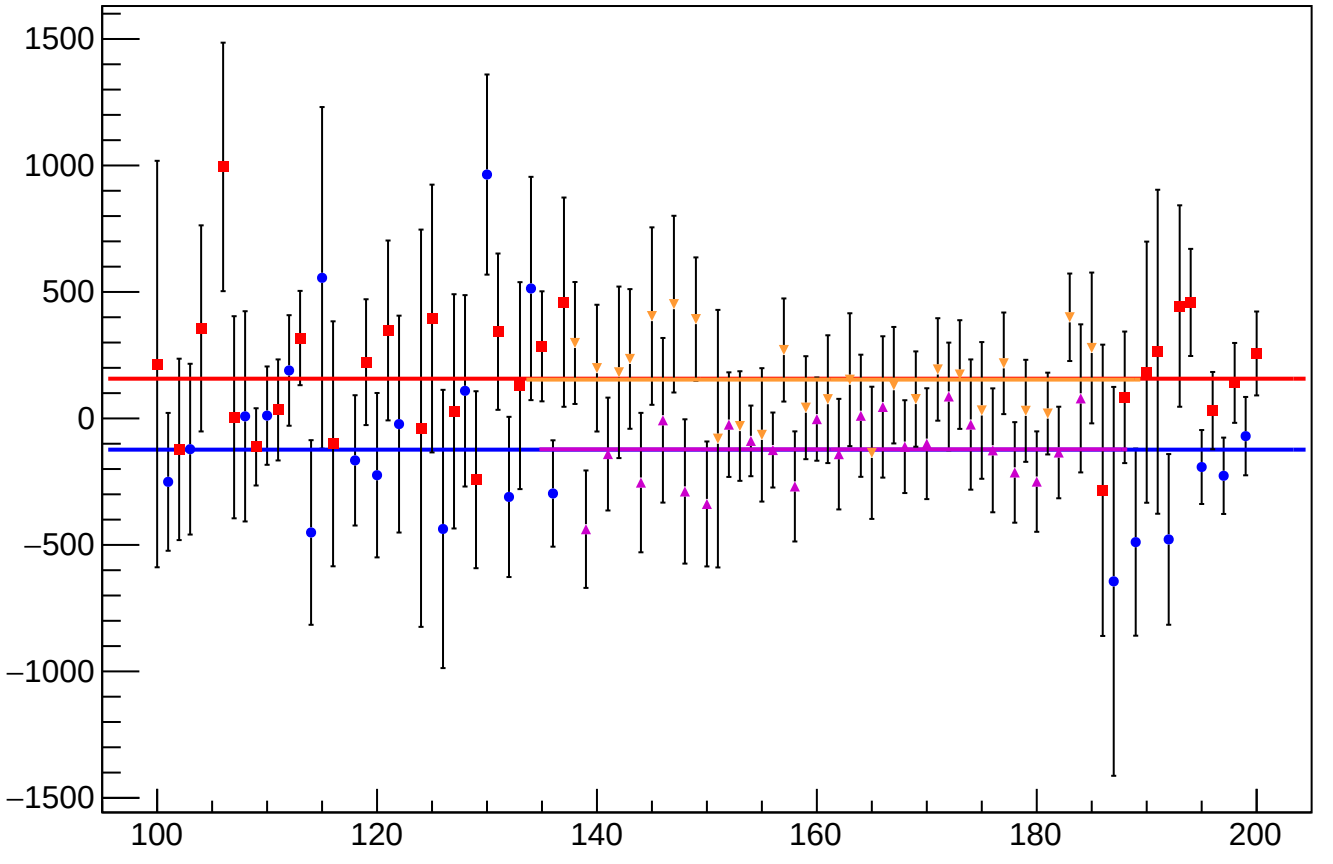
Right Out: 22.490+/-0.004 χ^2/NDF: 26631.4/27

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.478+/-0.003 χ^2/NDF: 35453.7/46

All: 22.476+/-0.002 χ^2/NDF: 81232.2/97

- sign 22.473+/-0.003 χ^2/NDF: 45776.8/50



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 157.126+/-51.014 χ^2/NDF: 16.0/27

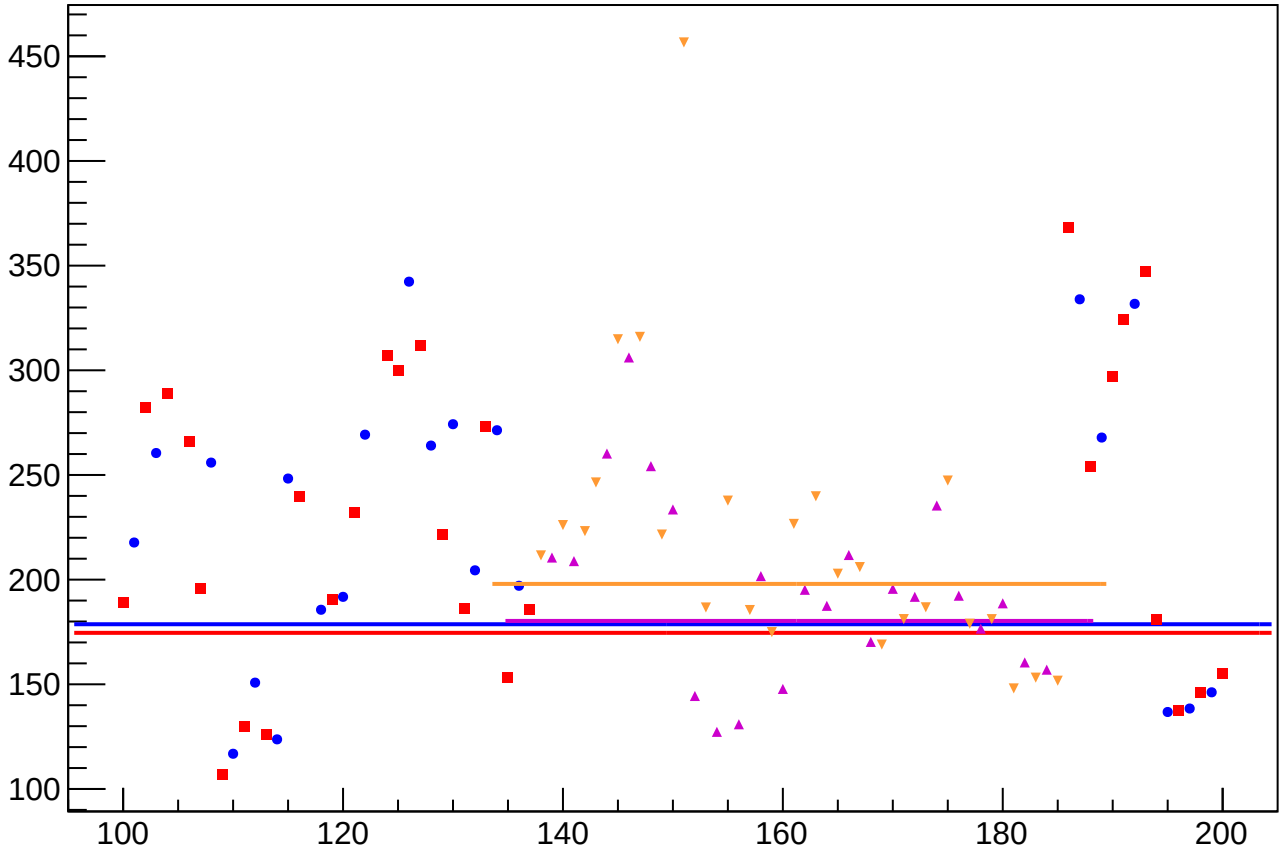
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign 39.930+/-35.817 χ^2/NDF: 44.1/46

All: 16.914+/-24.396 χ^2/NDF: 85.5/97

\- sign -3.006+/-33.321 χ^2/NDF: 40.6/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

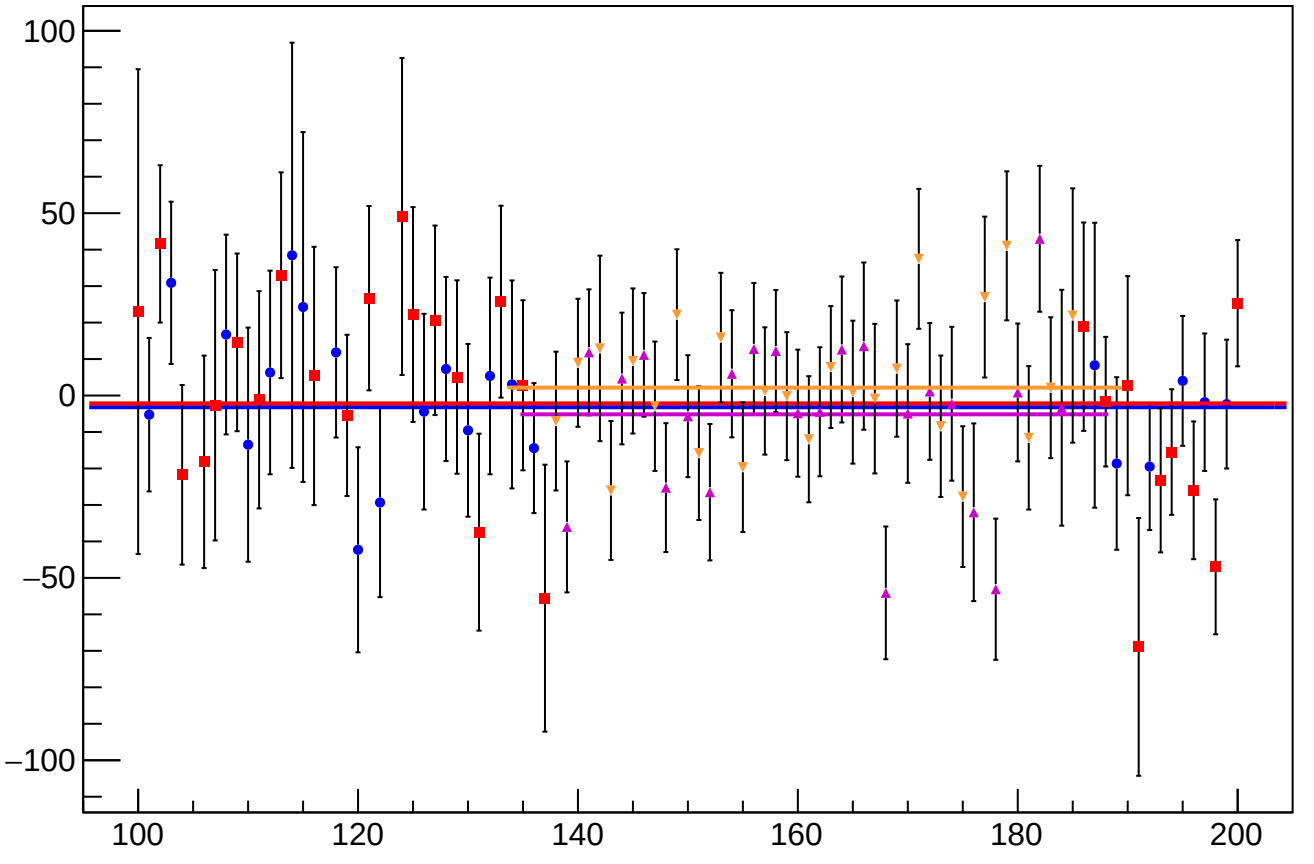
Right Out: 174.583+/-0.036 χ^2/NDF: 2883536.3/27

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 190.055+/-0.025 χ^2/NDF: 4071393.9/46

All: 183.511+/-0.017 χ^2/NDF: 8718468.8/97

- sign 177.846+/-0.024 χ^2/NDF: 4522494.0/50



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.144+/-4.678 χ^2/NDF: 32.4/27

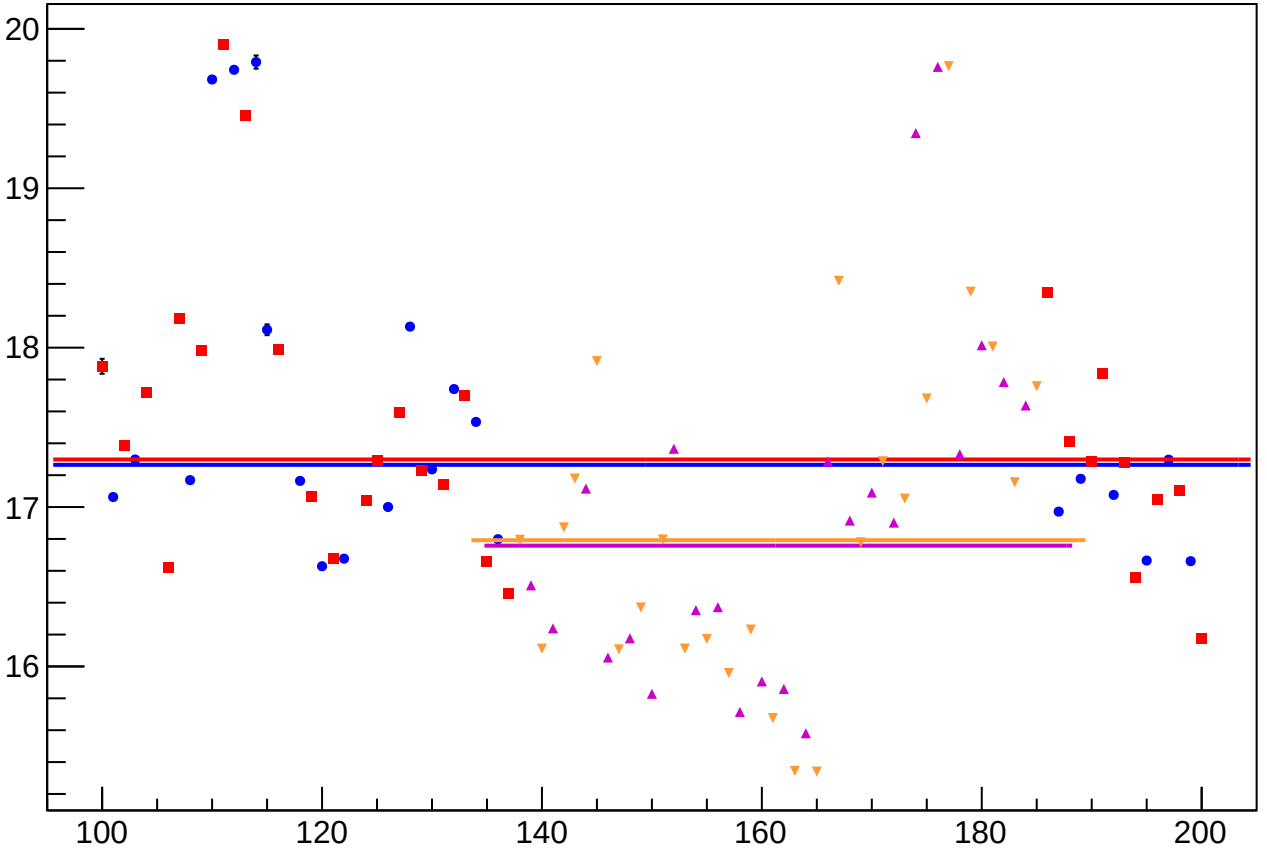
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.232+/-3.058 χ^2/NDF: 30.4/46

All: -1.873+/-2.144 χ^2/NDF: 96.2/97

- sign -3.909+/-3.006 χ^2/NDF: 64.9/50

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

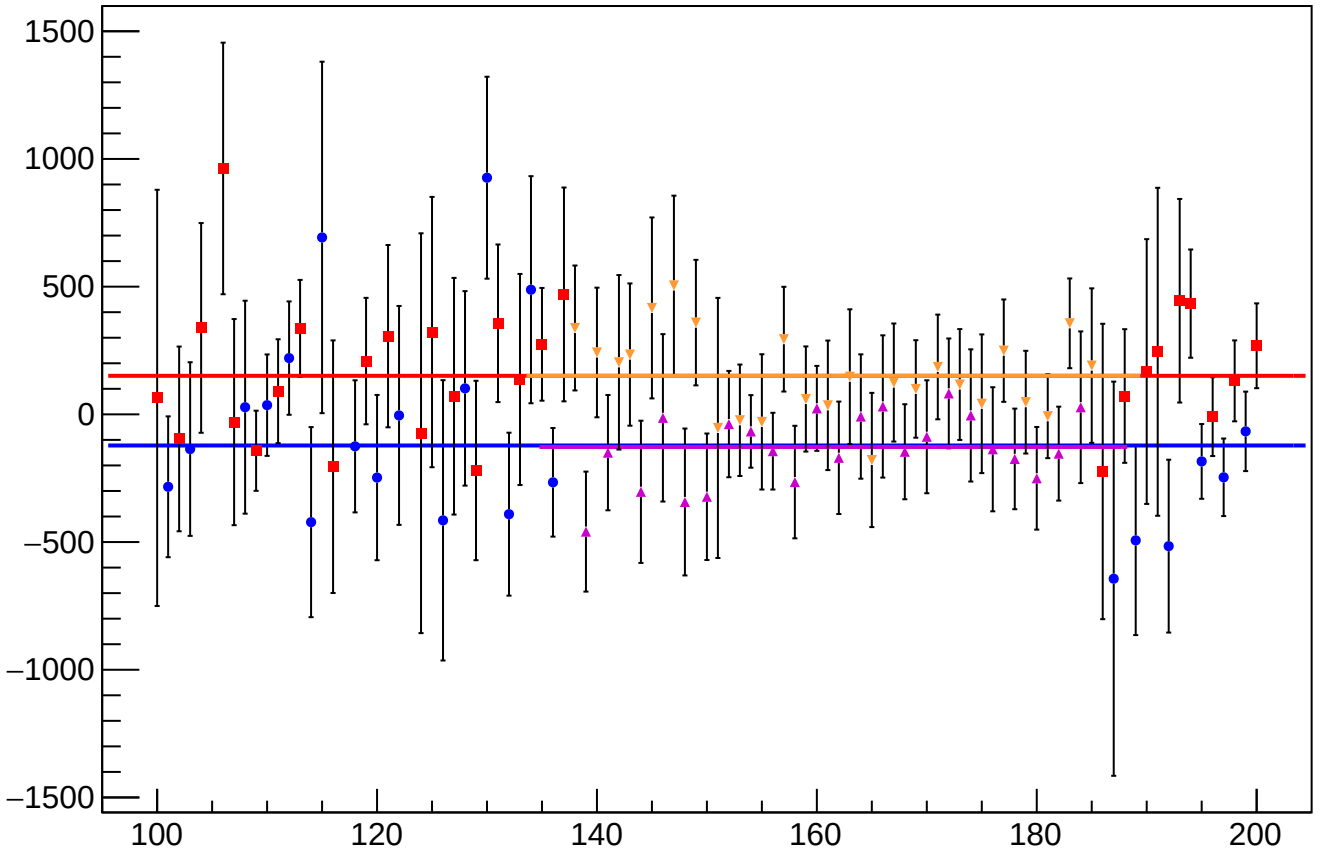
Right Out: 17.298+/-0.003 χ^2/NDF: 53171.6/27

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.963+/-0.002 χ^2/NDF: 191570.9/46

All: 16.972+/-0.002 χ^2/NDF: 383769.4/97

\- sign 16.981+/-0.002 χ^2/NDF: 192161.6/50



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 150.899+/-51.493 χ^2/NDF: 16.0/27

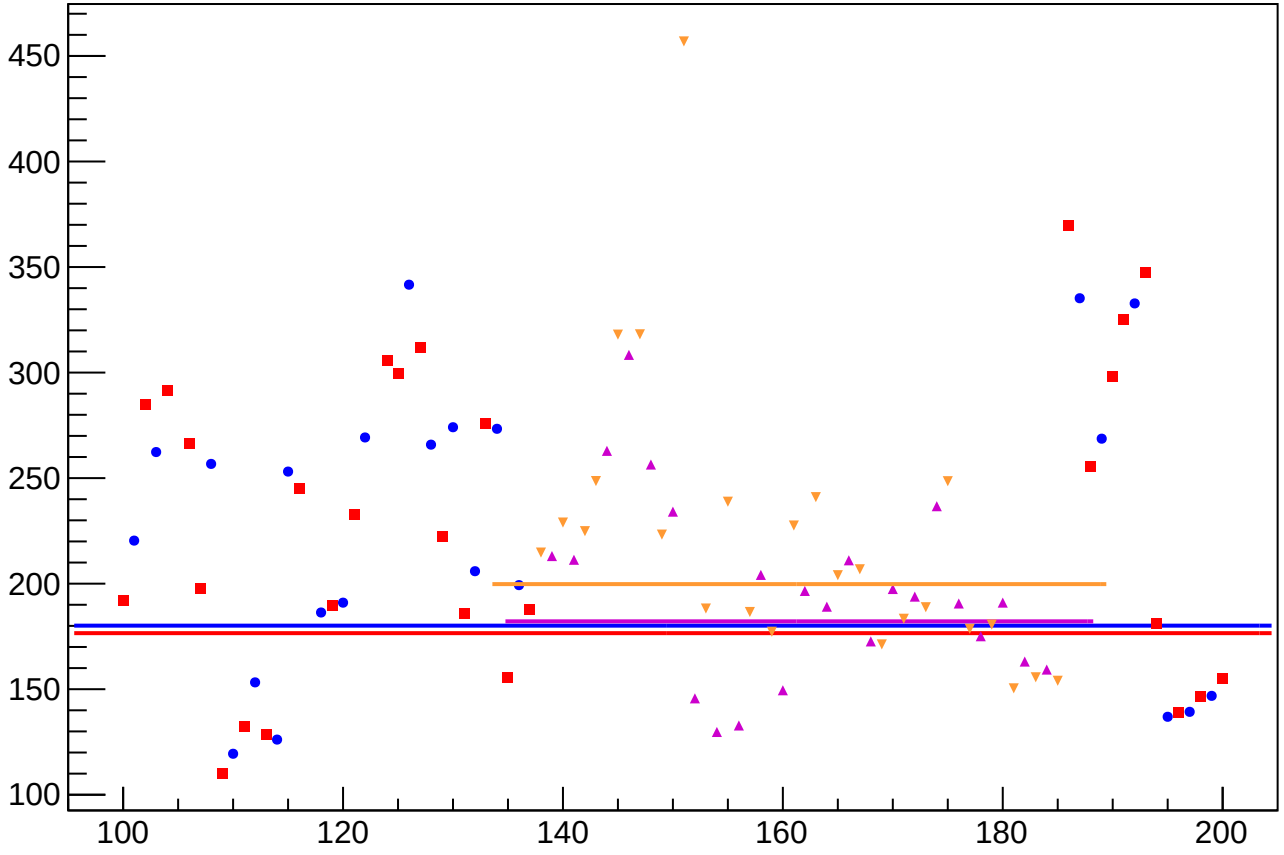
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 38.814+/-36.103 χ^2/NDF: 44.1/46

All: 13.314+/-24.611 χ^2/NDF: 85.6/97

- sign -8.822+/-33.637 χ^2/NDF: 40.6/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

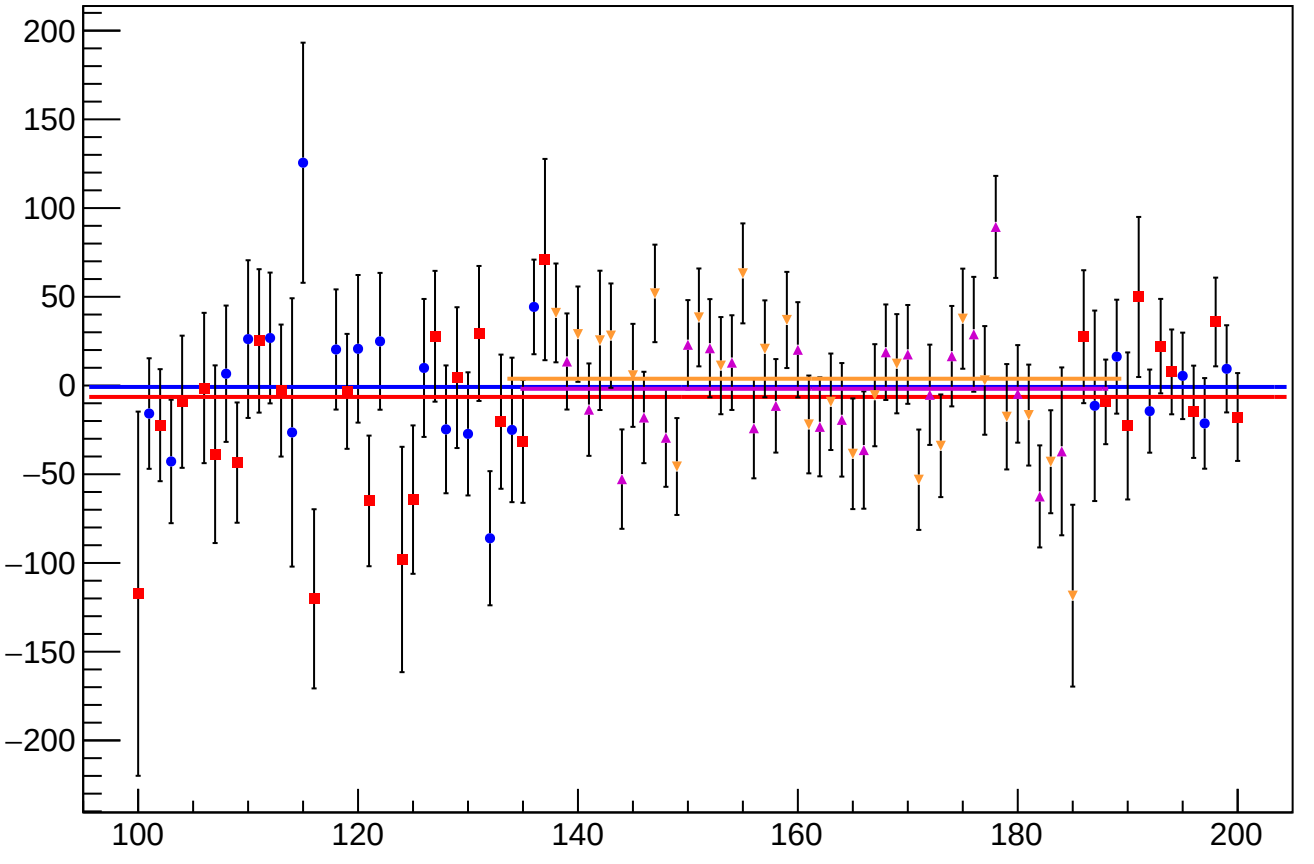
Right Out: 176.553+/-0.036 χ^2/NDF: 2807000.5/27

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 191.701+/-0.026 χ^2/NDF: 4019250.4/46

All: 185.310+/-0.017 χ^2/NDF: 8541245.2/97

- sign 179.762+/-0.024 χ^2/NDF: 4404904.7/50



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -6.431+/-6.563 χ^2/NDF: 26.9/27

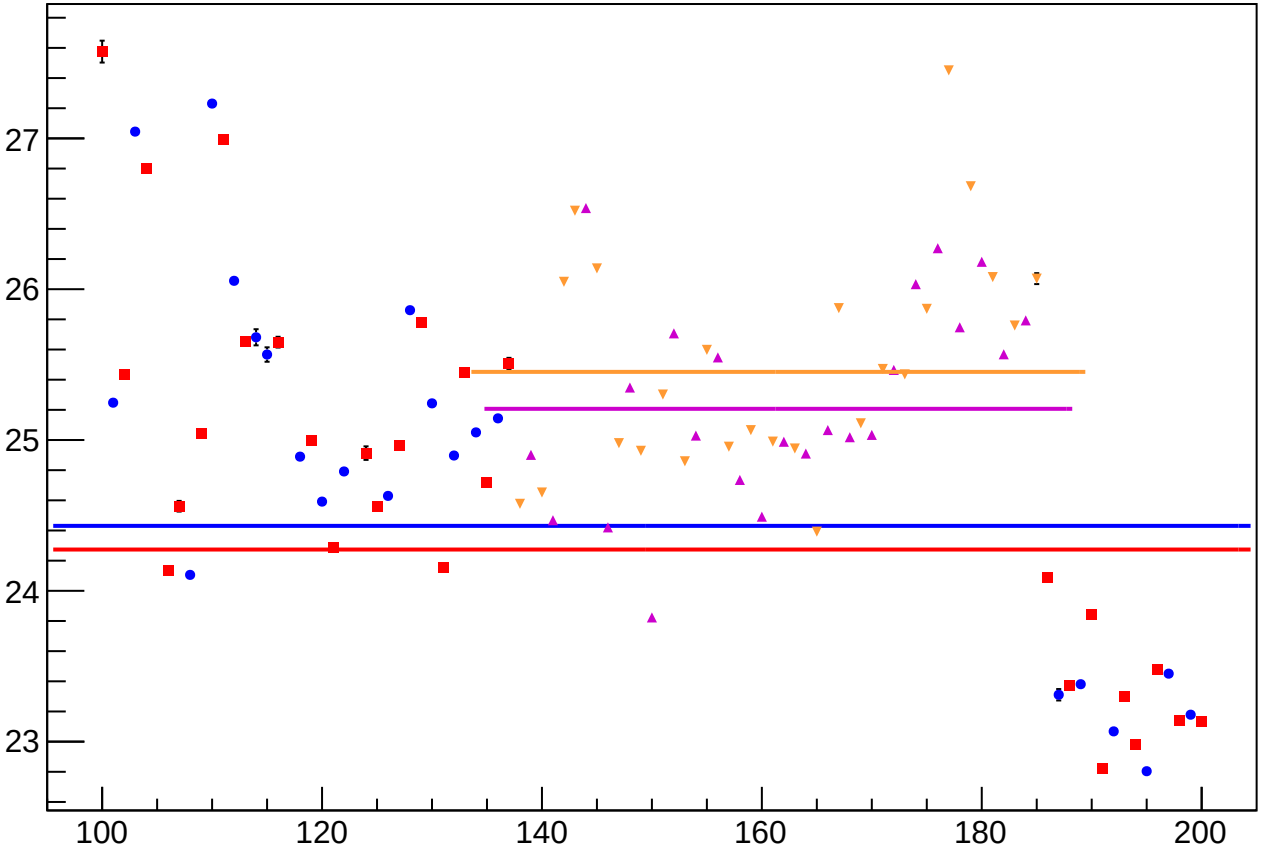
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.012+/-4.512 χ^2/NDF: 56.2/46

All: -1.025+/-3.145 χ^2/NDF: 112.3/97

- sign -3.894+/-4.385 χ^2/NDF: 55.2/50

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

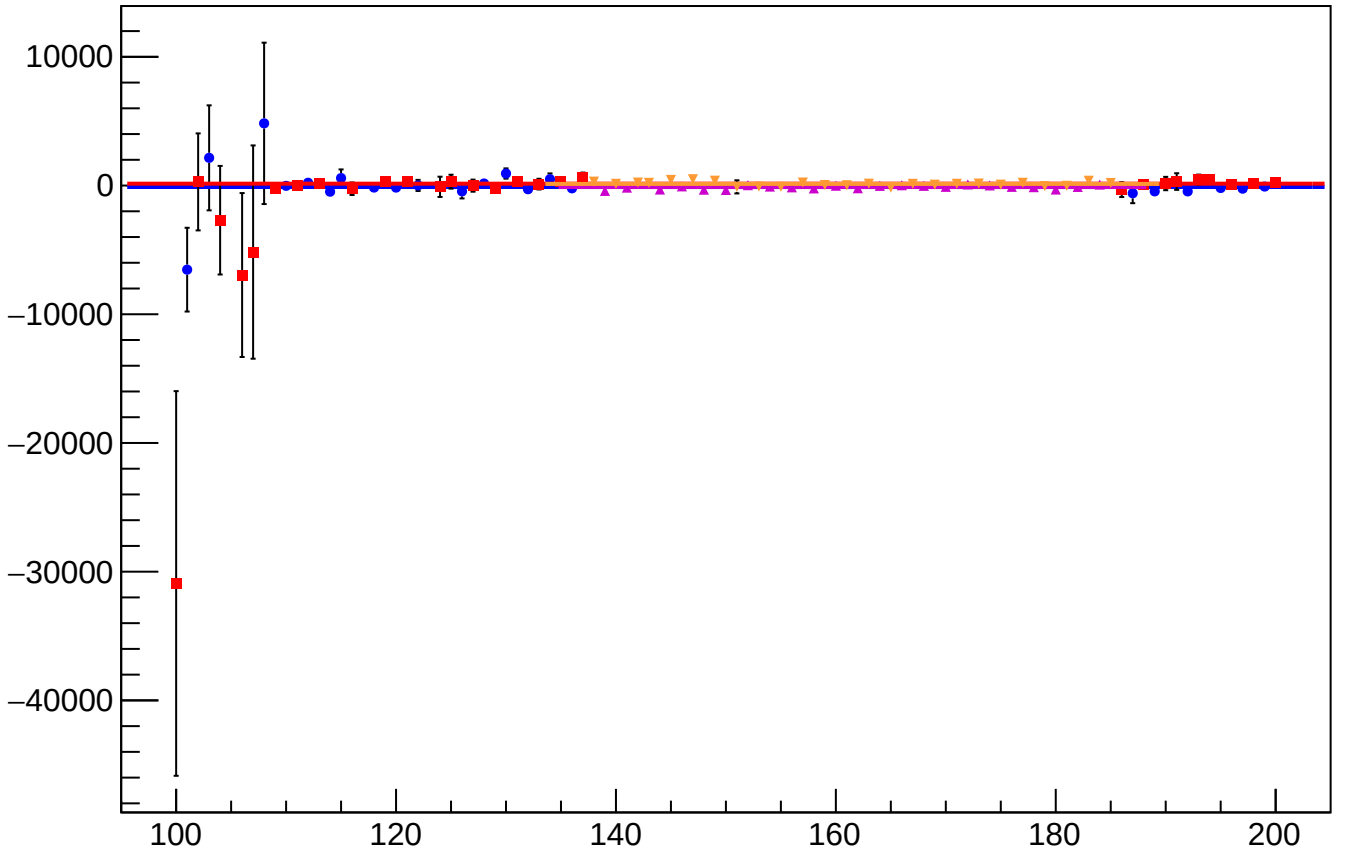
Right Out: 24.274+/-0.005 χ^2/NDF: 60426.0/27

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.051+/-0.003 χ^2/NDF: 113697.1/46

All: 24.917+/-0.002 χ^2/NDF: 225760.4/97

- sign 24.790+/-0.003 χ^2/NDF: 108630.4/50



Right In: -112.253+/-59.775 χ^2/NDF: 22.8/21

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 145.562+/-55.372 χ^2/NDF: 17.9/27

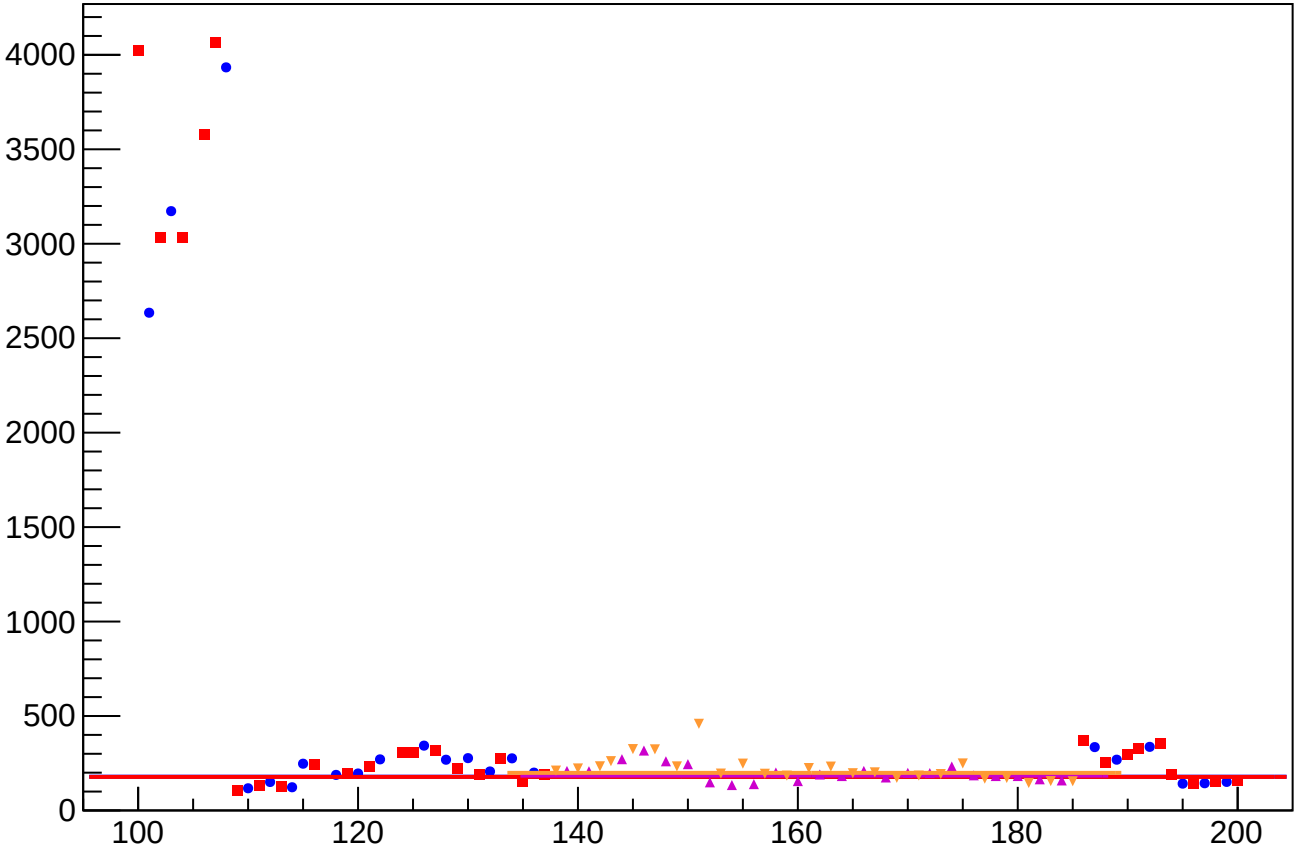
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

\+ sign 34.637+/-36.911 χ^2/NDF: 43.7/46

All: 9.407+/-25.344 χ^2/NDF: 84.1/97

\- sign -13.100+/-34.862 χ^2/NDF: 39.5/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.719+/-0.042 χ^2/NDF: 4769094.9/21

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

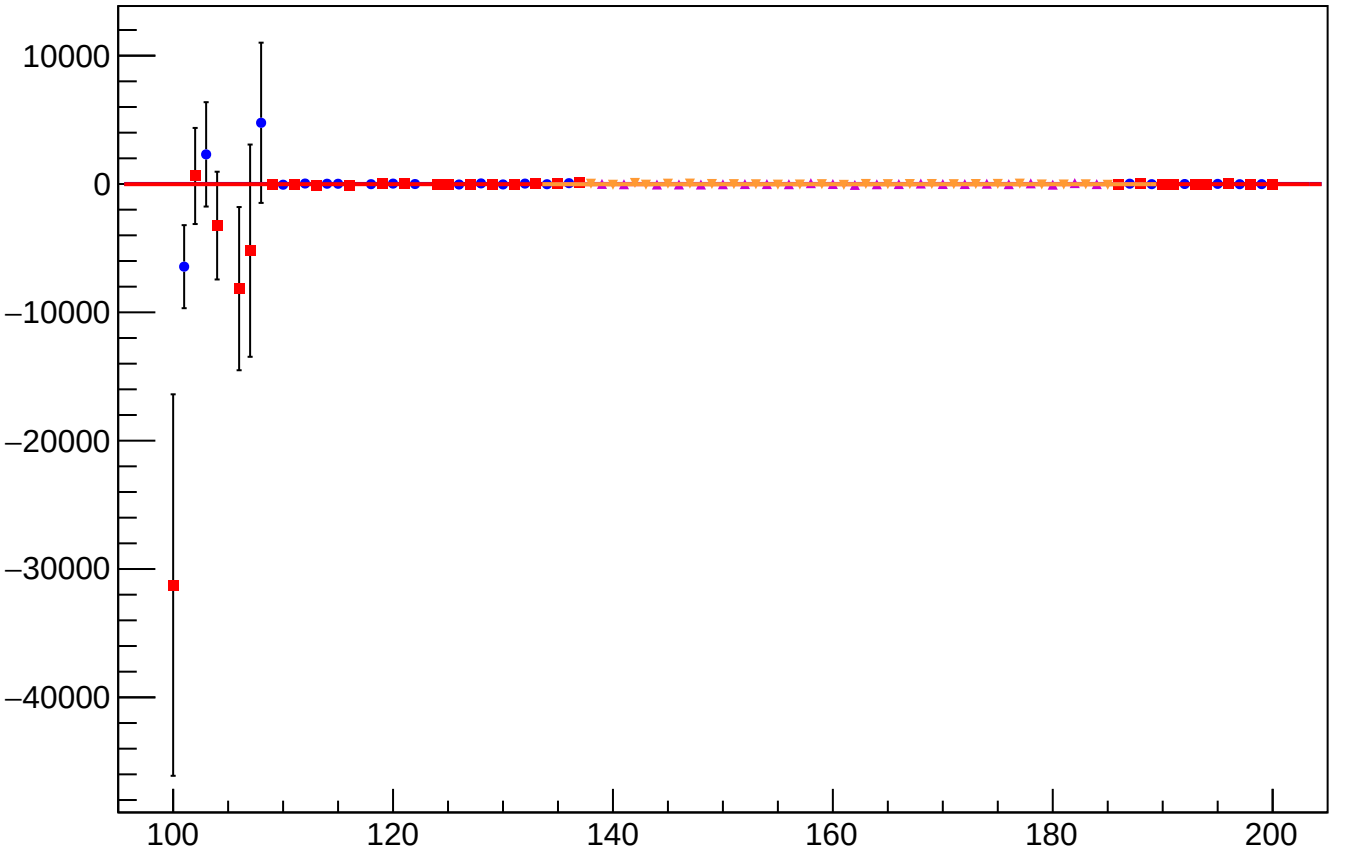
Right Out: 177.558+/-0.039 χ^2/NDF: 5469252.1/27

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 191.263+/-0.026 χ^2/NDF: 6813614.8/46

All: 186.202+/-0.018 χ^2/NDF: 13818739.2/97

- sign 181.687+/-0.025 χ^2/NDF: 6933981.0/50



Right In: 3.595+/-8.749 χ^2/NDF: 17.2/21

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -14.480+/-8.099 χ^2/NDF: 28.7/27

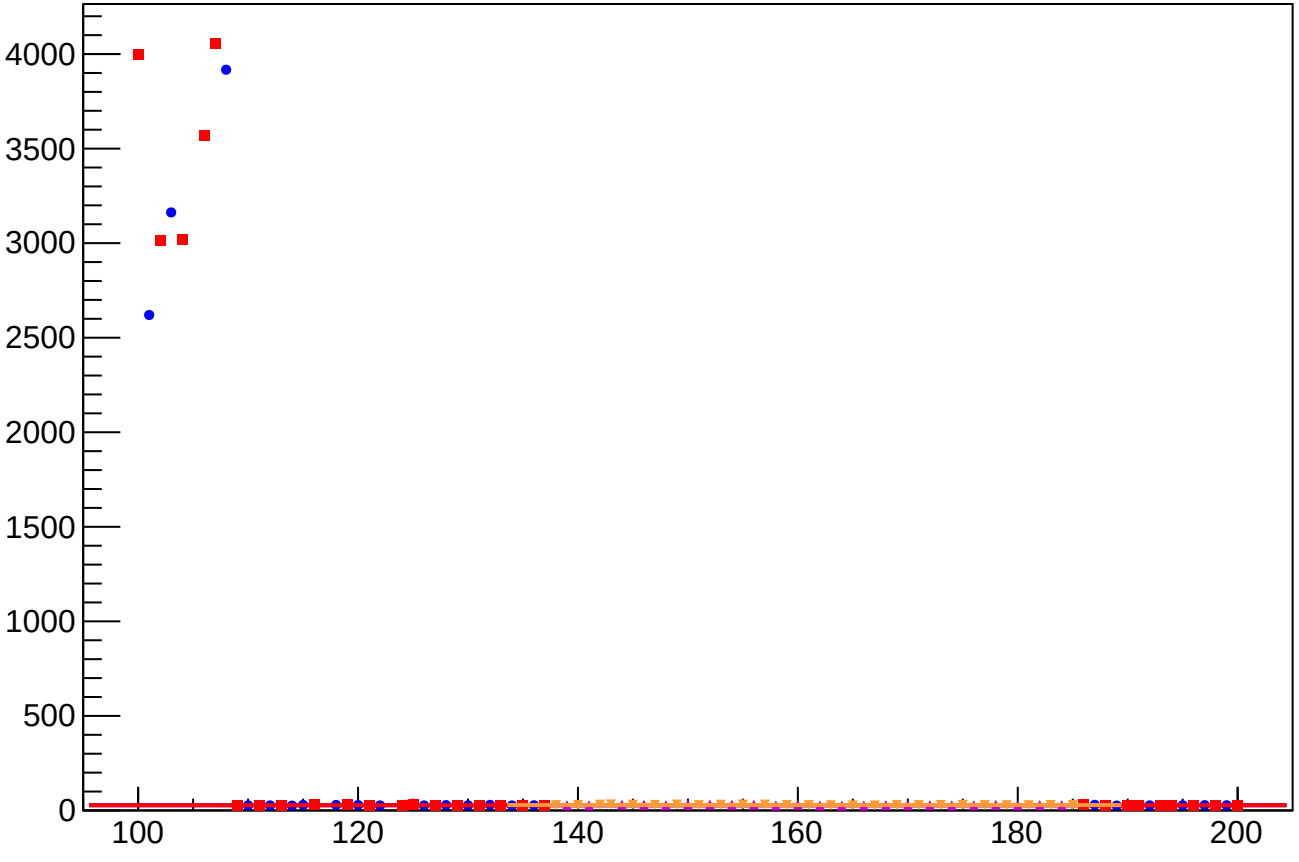
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.261+/-5.224 χ^2/NDF: 42.3/46

All: -7.712+/-3.672 χ^2/NDF: 100.7/97

- sign -7.176+/-5.164 χ^2/NDF: 58.4/50

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.510+/-0.006 χ^2/NDF: 3273531.5/21

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

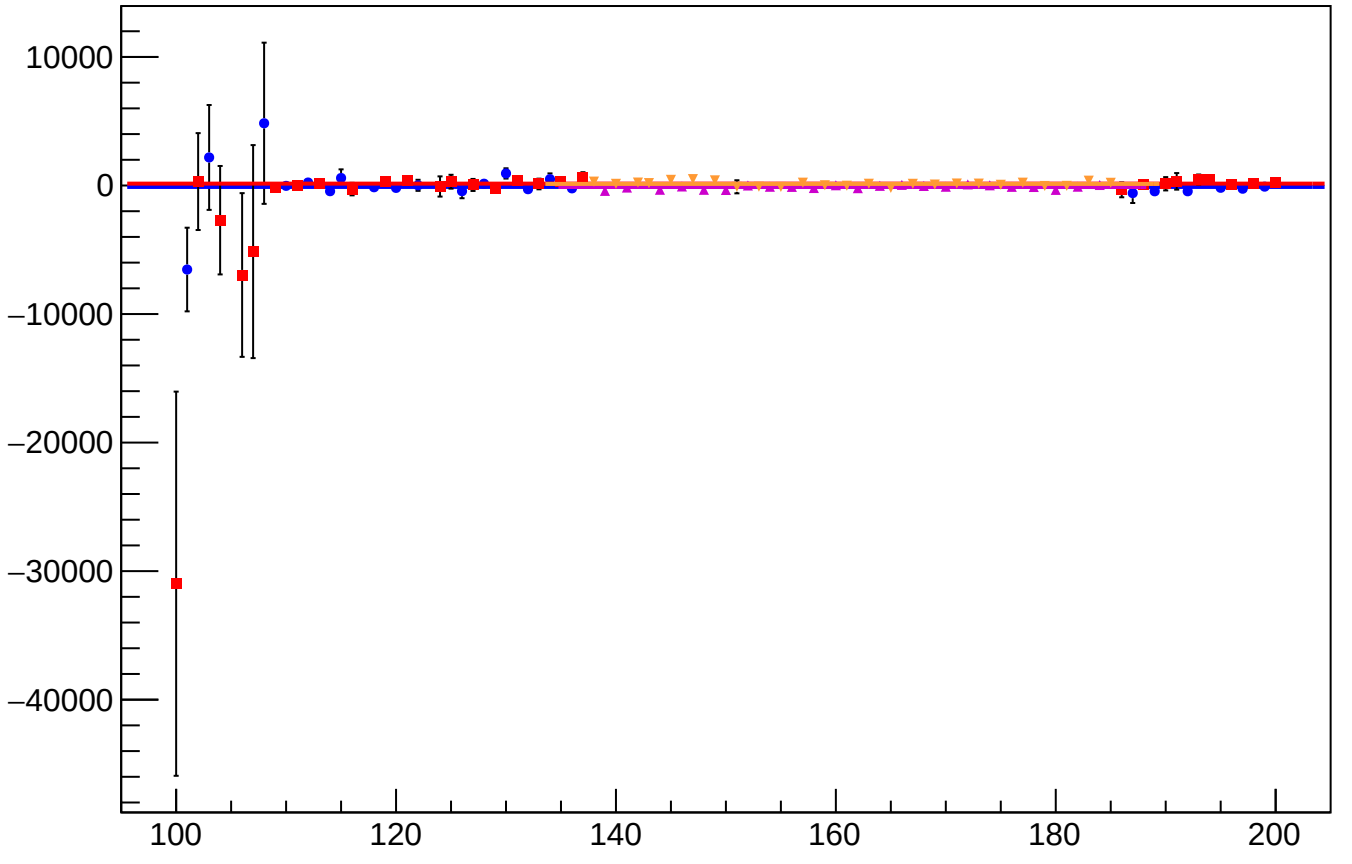
Right Out: 27.579+/-0.006 χ^2/NDF: 3582784.8/27

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.202+/-0.004 χ^2/NDF: 3381120.3/46

All: 28.195+/-0.003 χ^2/NDF: 7105920.8/97

- sign 28.188+/-0.004 χ^2/NDF: 3724793.4/50



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

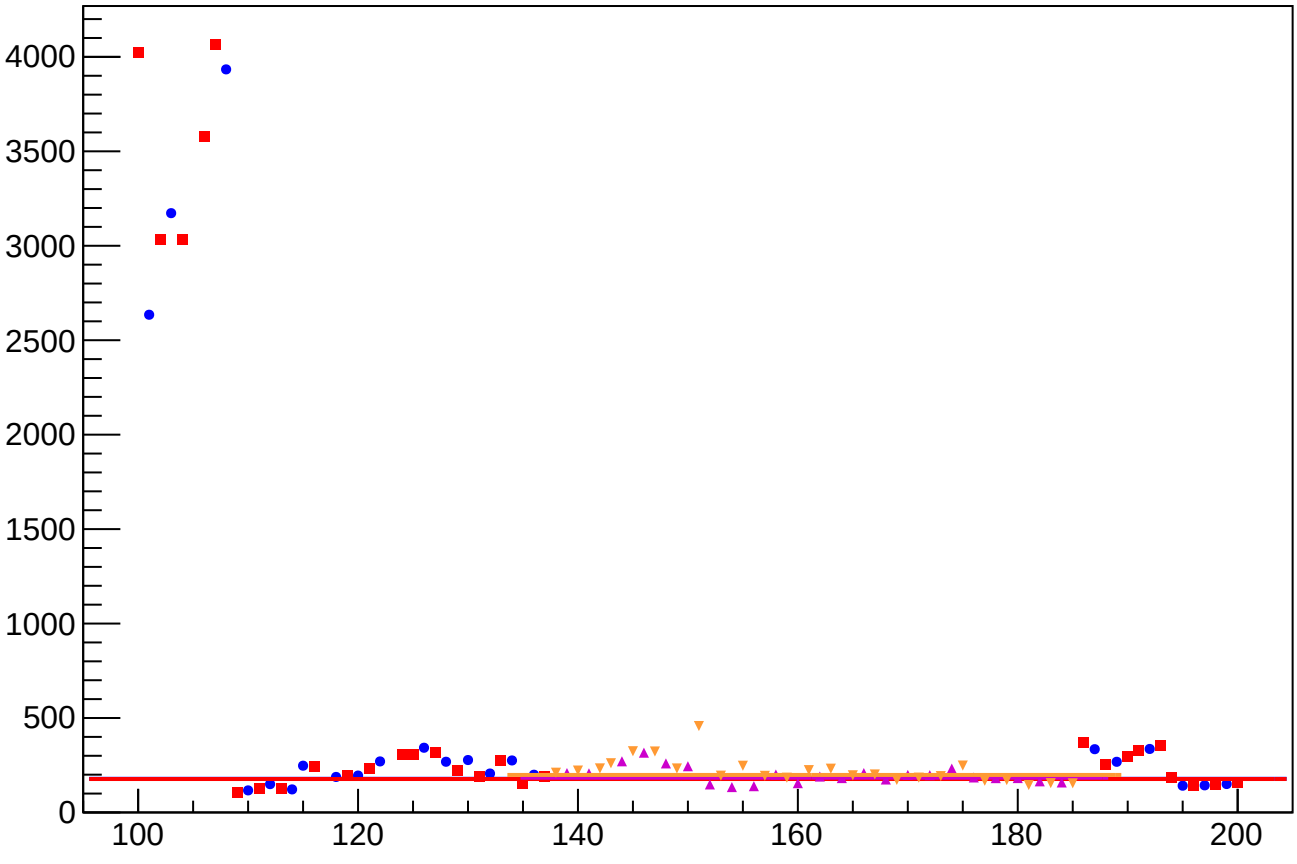
Right Out: 145.637+/-55.224 χ^2/NDF: 18.3/27

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 32.732+/-36.820 χ^2/NDF: 44.4/46

All: 8.916+/-25.285 χ^2/NDF: 85.4/97

- sign -12.340+/-34.785 χ^2/NDF: 40.2/50



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

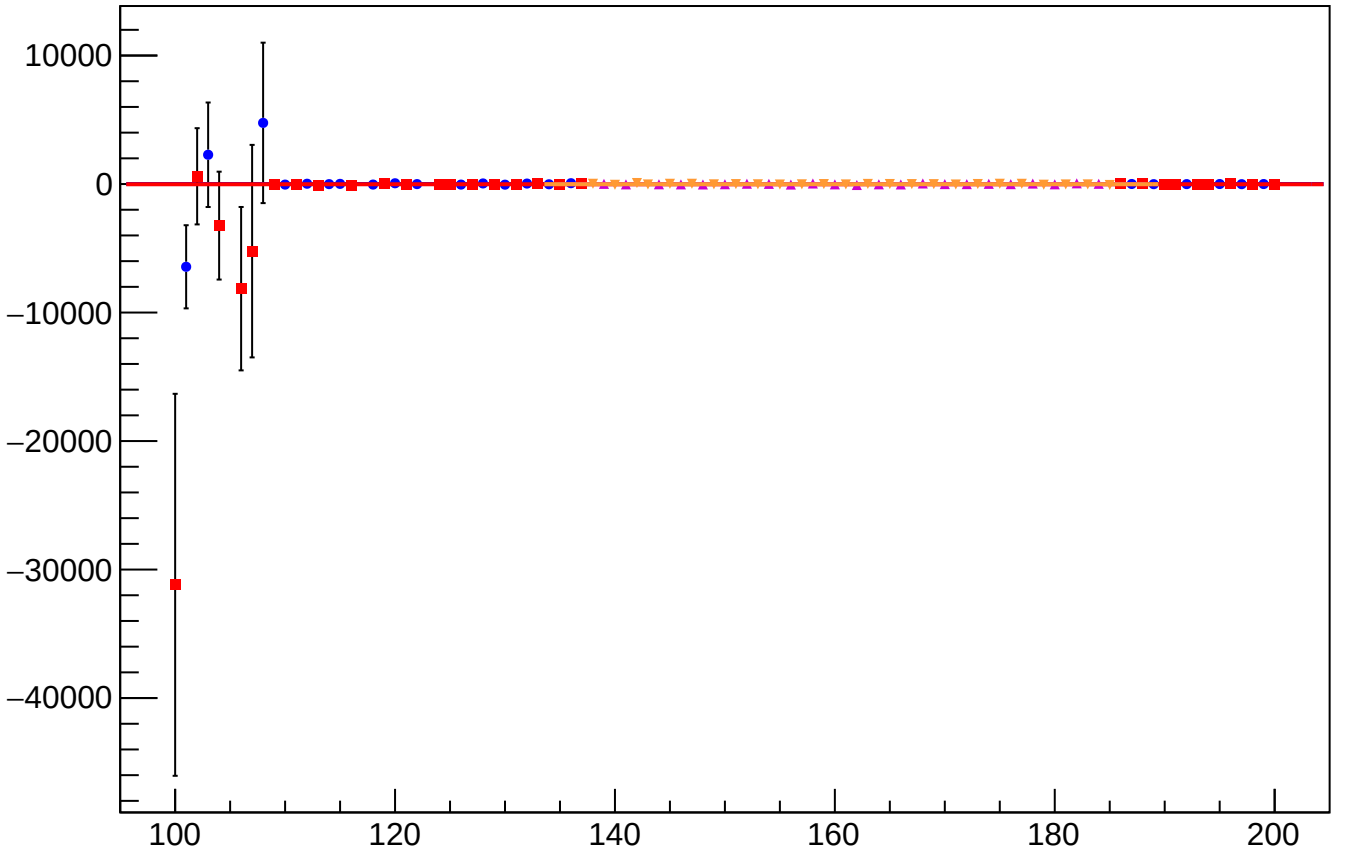
Right Out: 177.007+/-0.039 χ^2/NDF: 5487533.0/27

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 190.763+/-0.026 χ^2/NDF: 6830551.4/46

All: 185.740+/-0.018 χ^2/NDF: 13853590.5/97

- sign 181.256+/-0.025 χ^2/NDF: 6952586.4/50



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -16.098+/-8.109 χ^2/NDF: 28.2/27

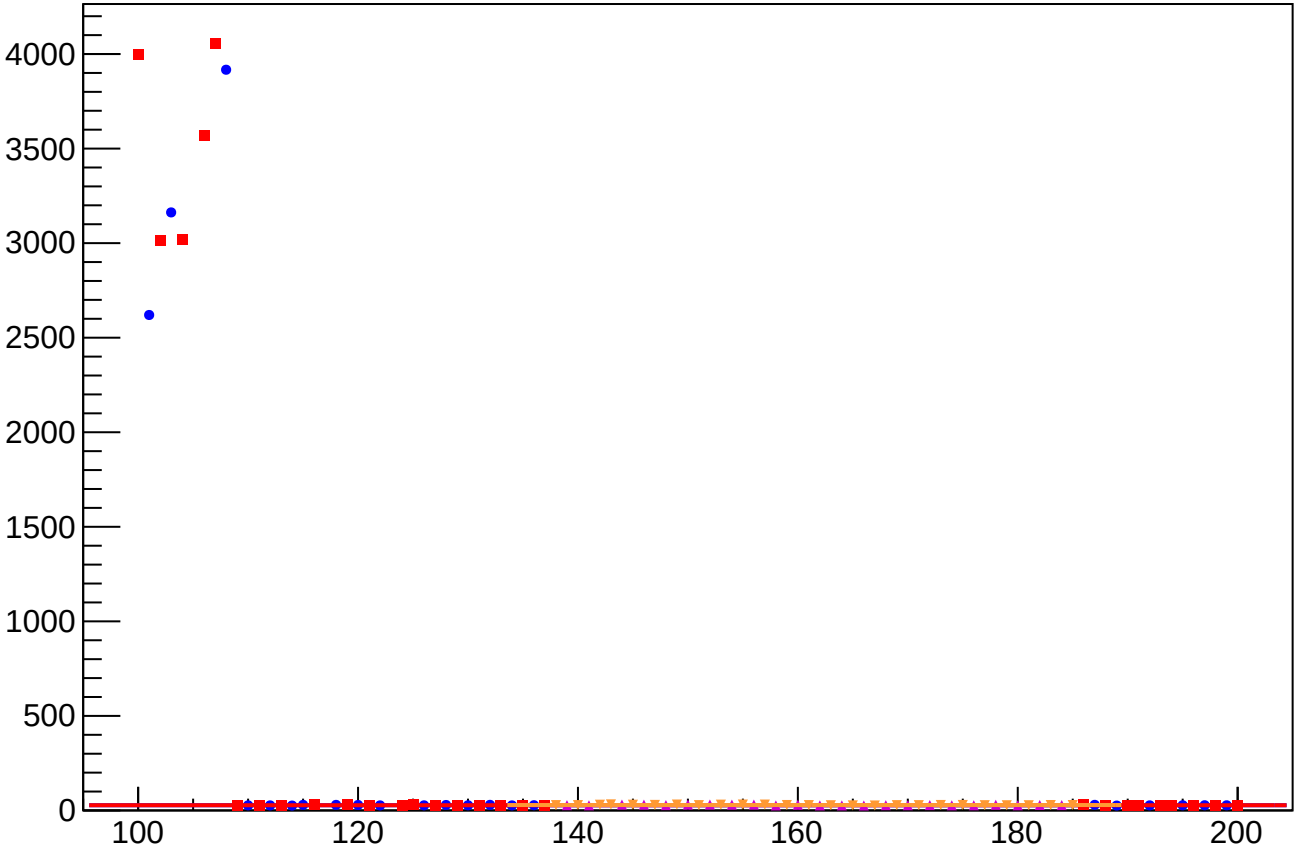
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -7.050+/-5.240 χ^2/NDF: 38.2/46

All: -7.577+/-3.684 χ^2/NDF: 90.3/97

\- sign -8.093+/-5.180 χ^2/NDF: 52.0/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

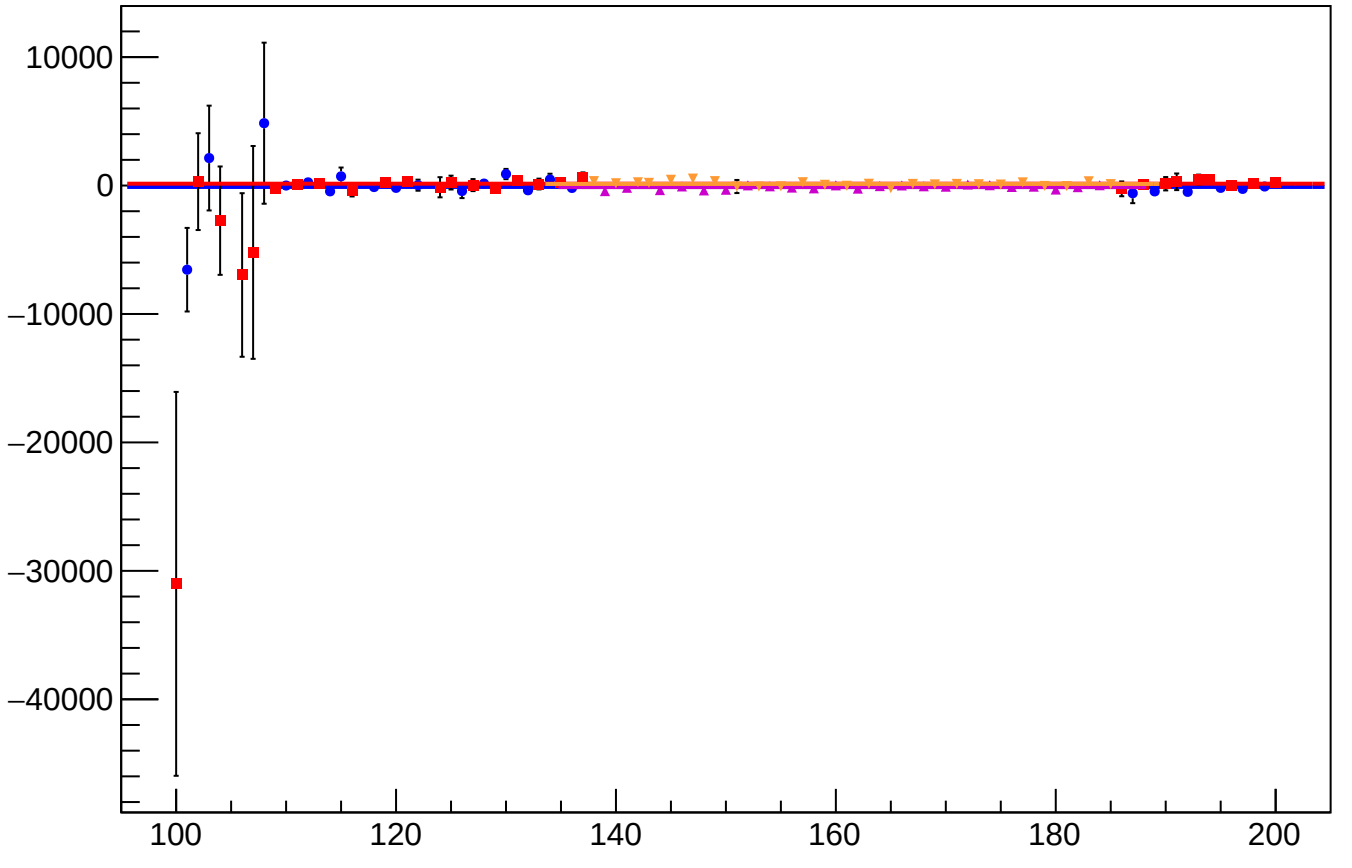
Right Out: 27.613+/-0.006 χ^2/NDF: 3579724.5/27

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.283+/-0.004 χ^2/NDF: 3397402.8/46

All: 28.278+/-0.003 χ^2/NDF: 7126884.0/97

- sign 28.273+/-0.004 χ^2/NDF: 3729477.5/50



Right In: -109.068+/-60.105 χ^2/NDF: 23.5/21

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

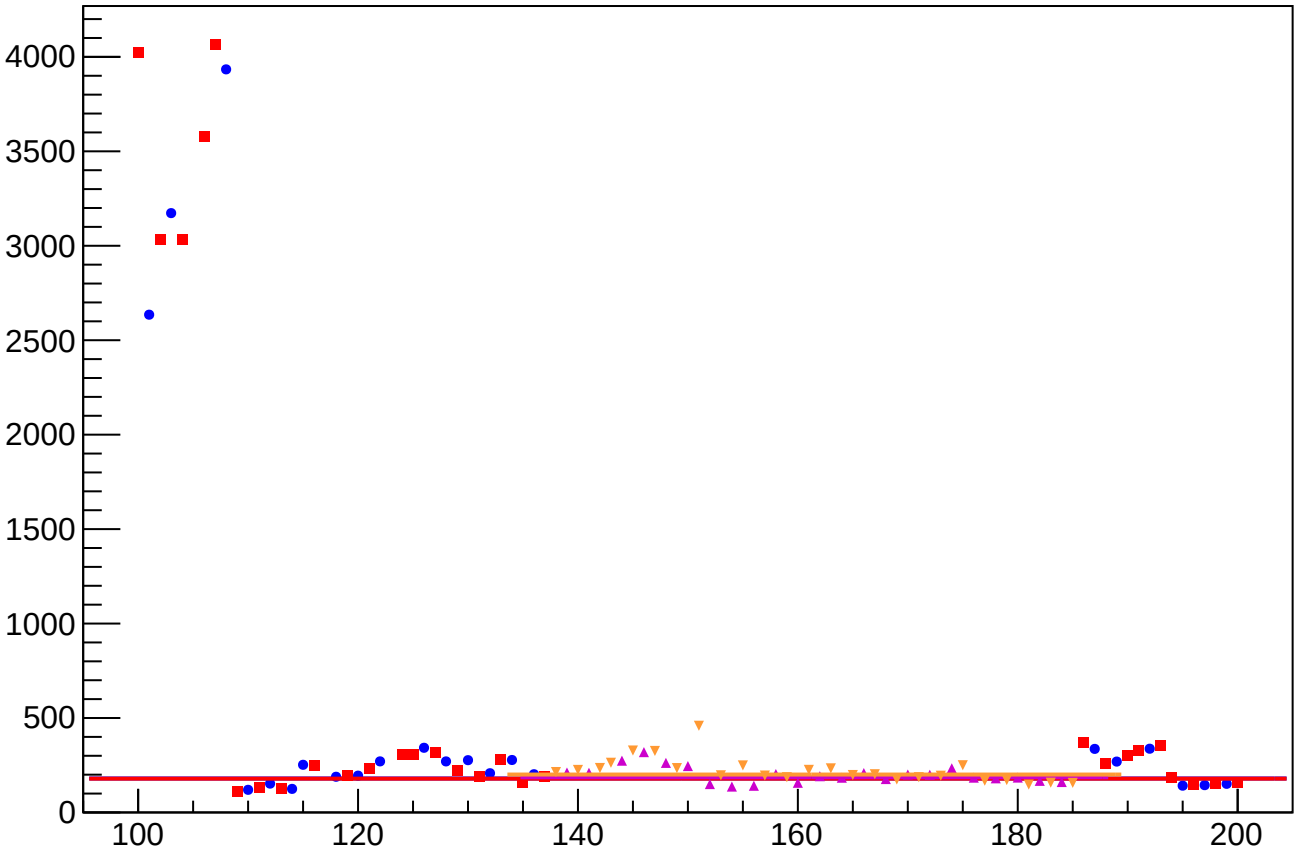
Right Out: 143.256+/-55.728 χ^2/NDF: 17.5/27

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 34.163+/-37.170 χ^2/NDF: 44.0/46

All: 7.049+/-25.534 χ^2/NDF: 84.7/97

- sign -17.181+/-35.137 χ^2/NDF: 39.7/50



Right In: 179.833+/-0.043 χ^2/NDF: 4747324.8/21

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 178.939+/-0.039 χ^2/NDF: 5419578.1/27

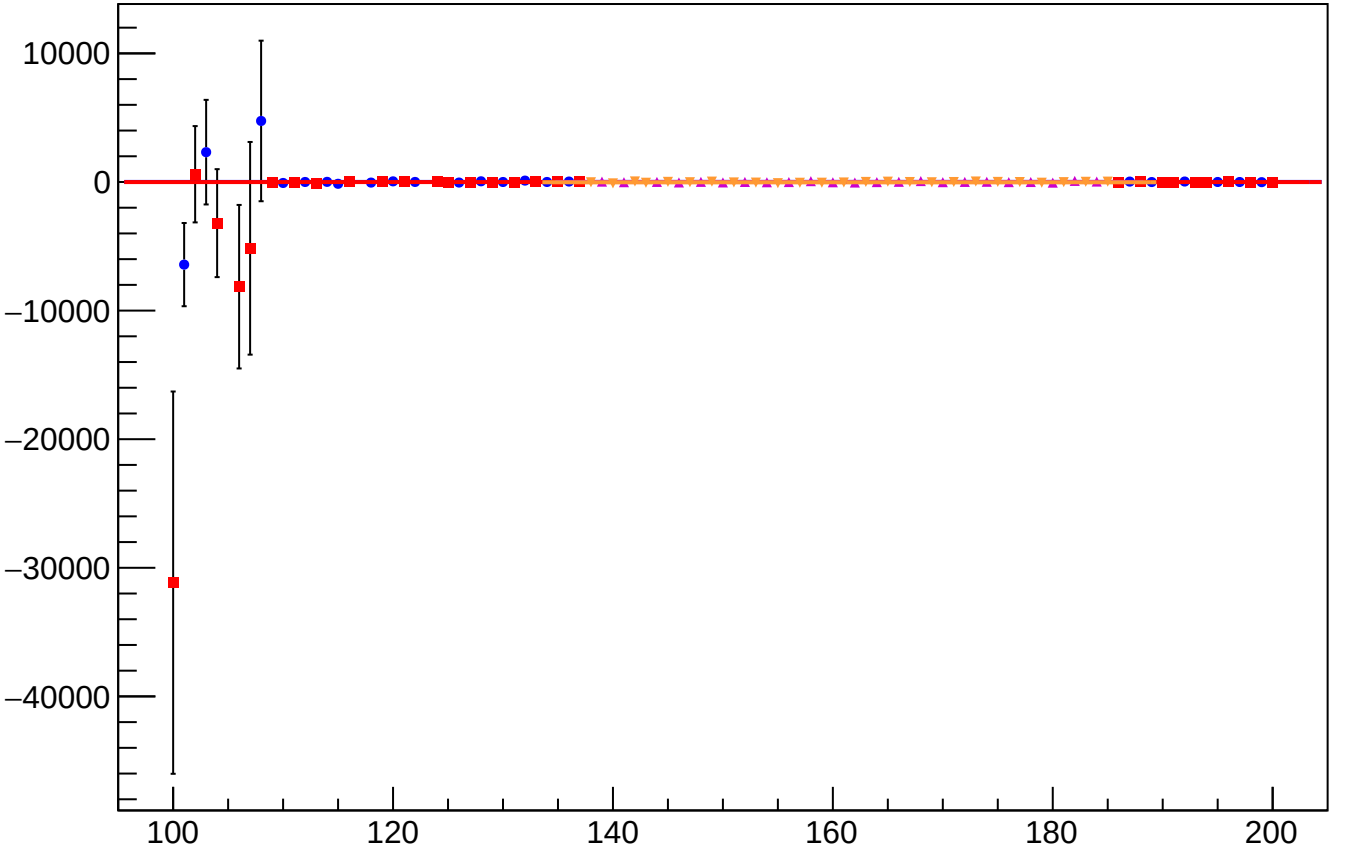
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 192.711+/-0.026 χ^2/NDF: 6776076.9/46

All: 187.738+/-0.018 χ^2/NDF: 13697101.9/97

- sign 183.295+/-0.025 χ^2/NDF: 6853248.7/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.101+/-10.669 χ^2/NDF: 18.8/21

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -6.371+/-9.873 χ^2/NDF: 30.2/27

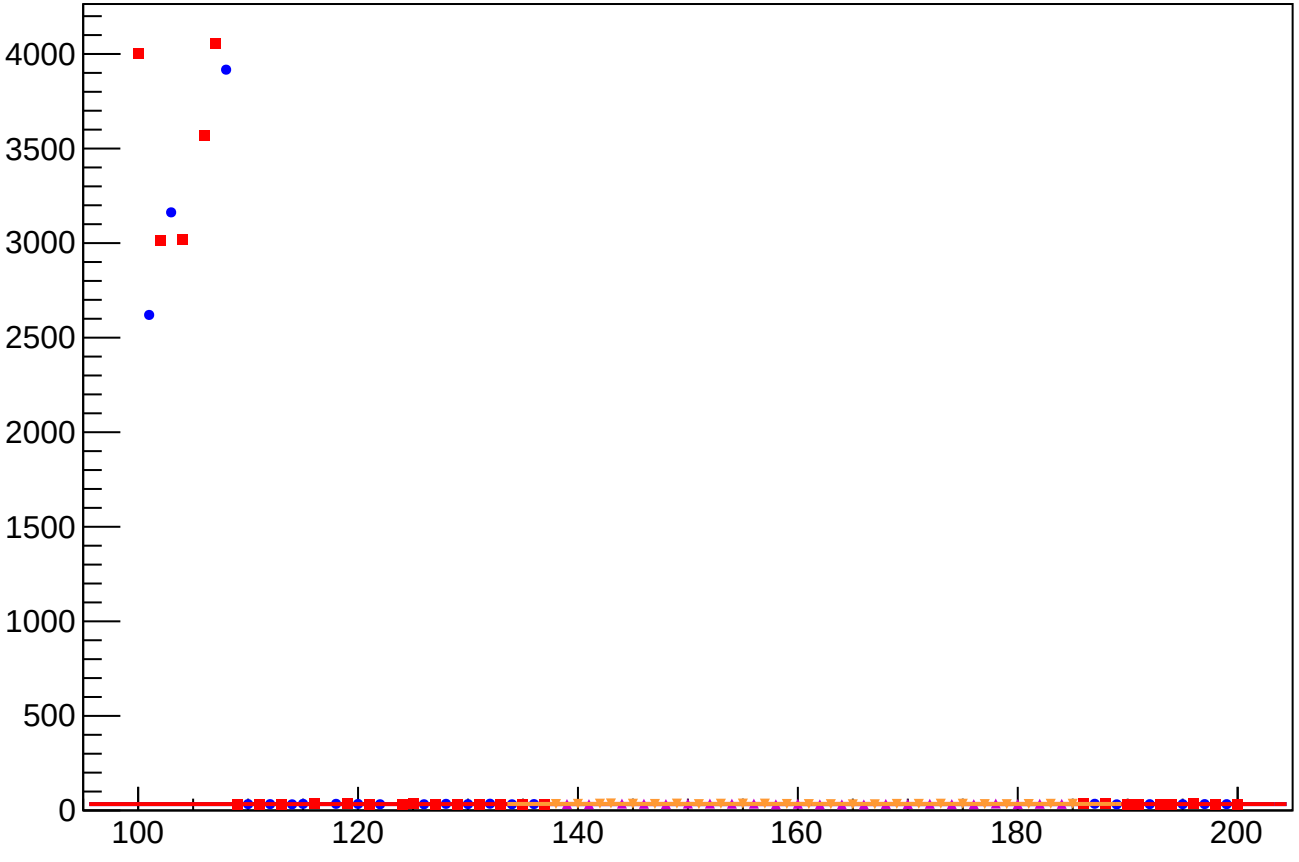
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.653+/-6.315 χ^2/NDF: 46.0/46

All: -5.843+/-4.444 χ^2/NDF: 97.5/97

- sign -0.145+/-6.254 χ^2/NDF: 49.8/50

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.585+/-0.008 χ^2/NDF: 3249015.3/21

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

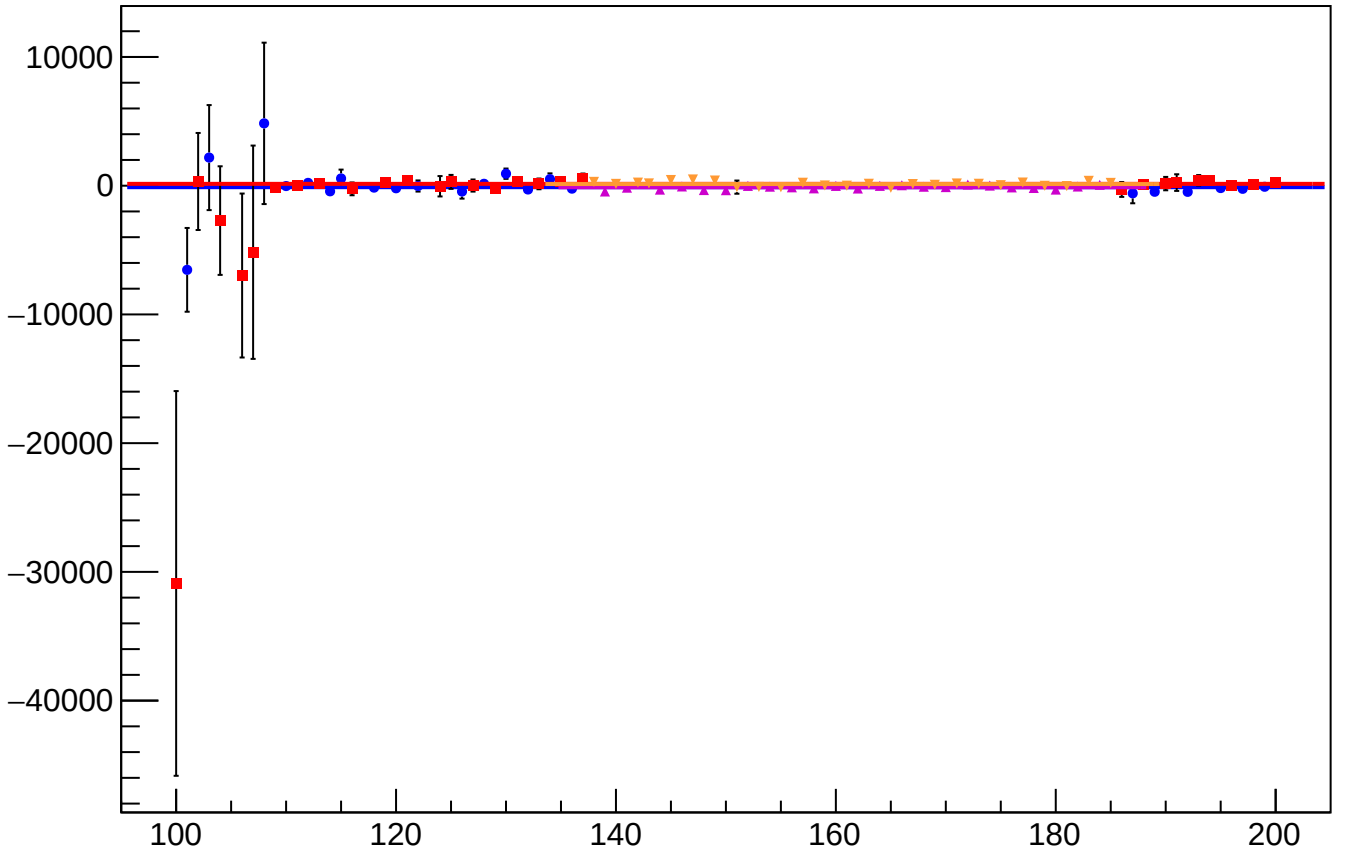
Right Out: 33.673+/-0.007 χ^2/NDF: 3539789.0/27

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.140+/-0.004 χ^2/NDF: 3302014.7/46

All: 34.170+/-0.003 χ^2/NDF: 6910669.2/97

- sign 34.199+/-0.004 χ^2/NDF: 3608564.6/50



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 143.547+/-55.487 χ^2/NDF: 16.9/27

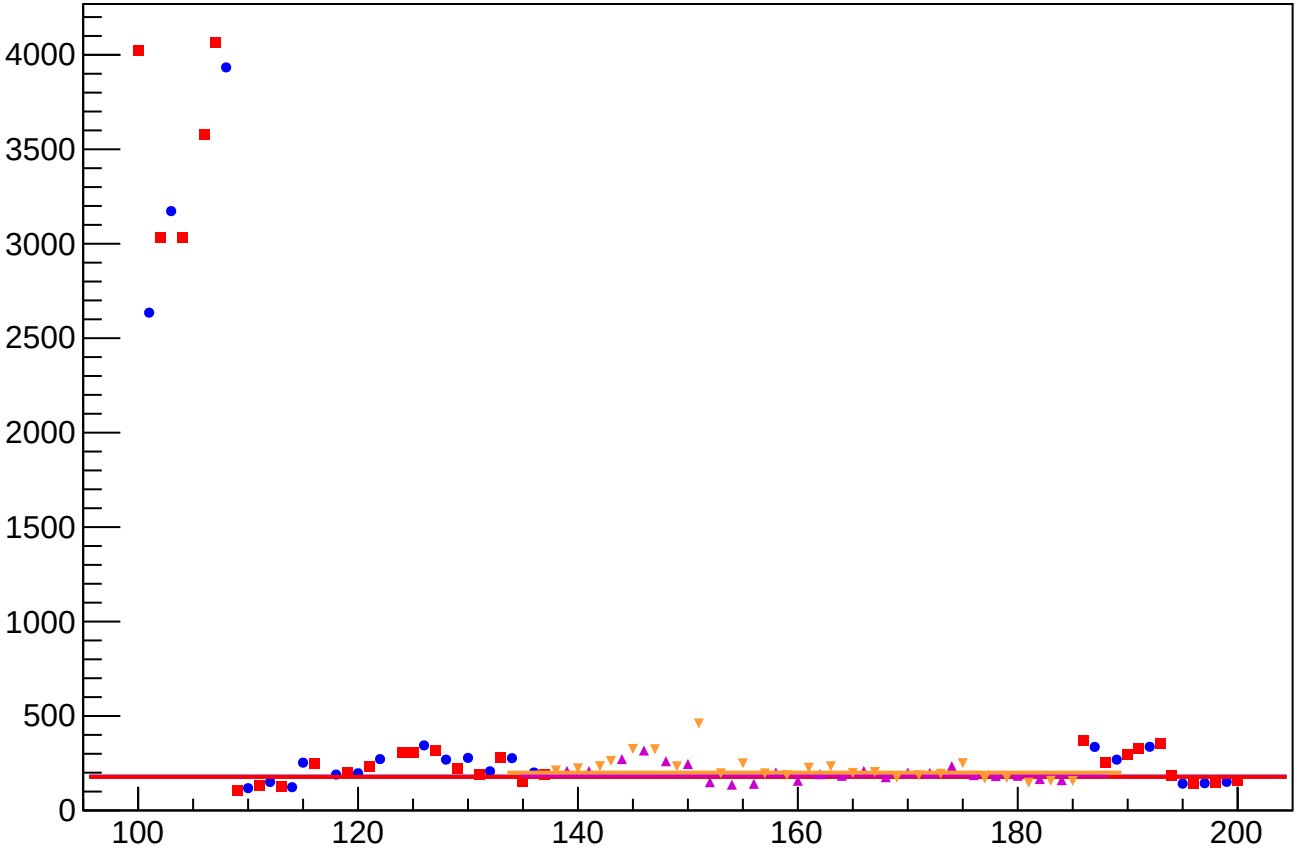
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign 34.372+/-37.088 χ^2/NDF: 44.6/46

All: 7.460+/-25.472 χ^2/NDF: 84.4/97

\- sign -16.566+/-35.044 χ^2/NDF: 38.8/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

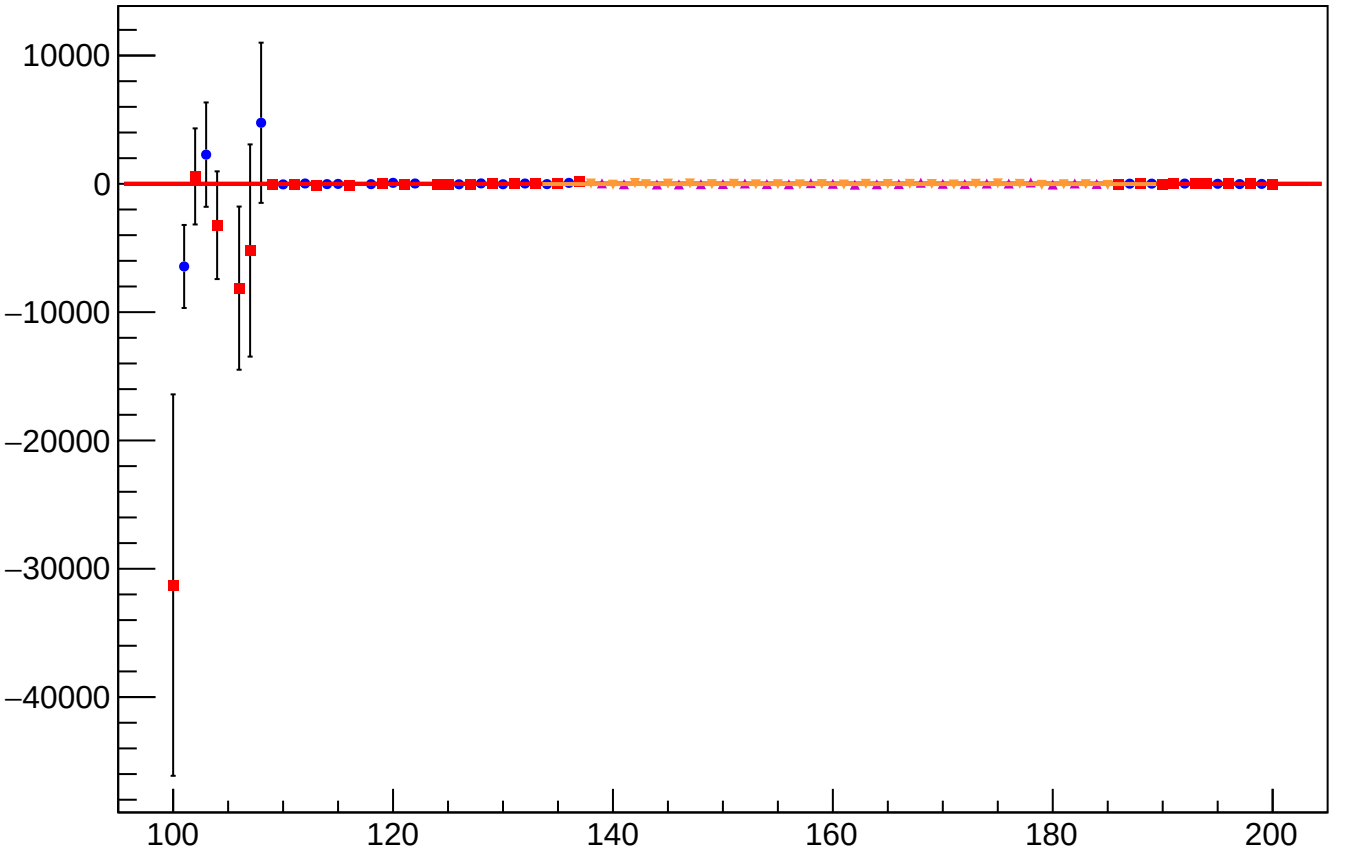
Right Out: 177.922+/-0.039 χ^2/NDF: 5474133.8/27

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 192.206+/-0.026 χ^2/NDF: 6810424.8/46

All: 187.184+/-0.018 χ^2/NDF: 13784174.9/97

- sign 182.701+/-0.025 χ^2/NDF: 6904336.3/50



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -8.921+/-8.953 χ^2/NDF: 38.3/27

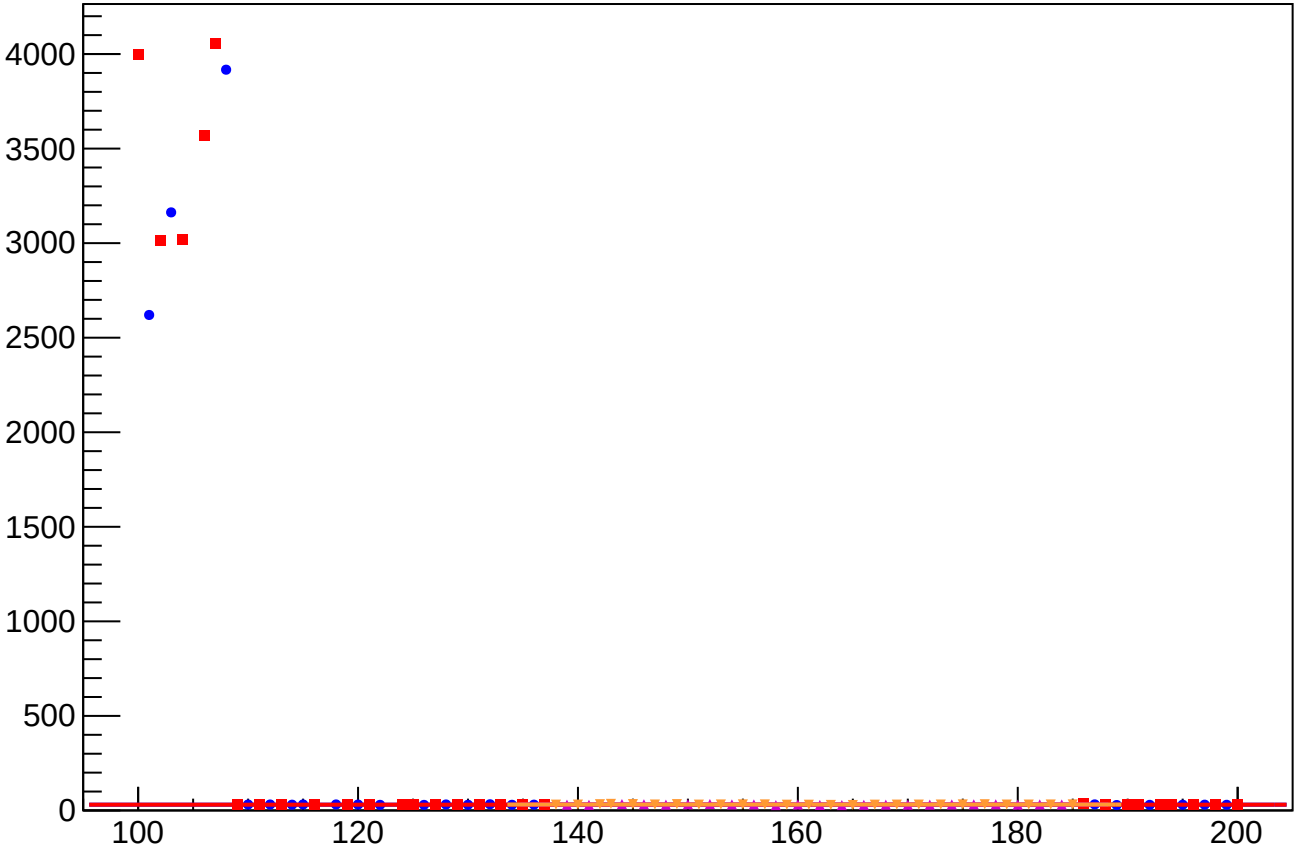
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.786+/-5.745 χ^2/NDF: 42.4/46

All: -5.340+/-4.039 χ^2/NDF: 118.0/97

\- sign -1.972+/-5.680 χ^2/NDF: 74.8/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

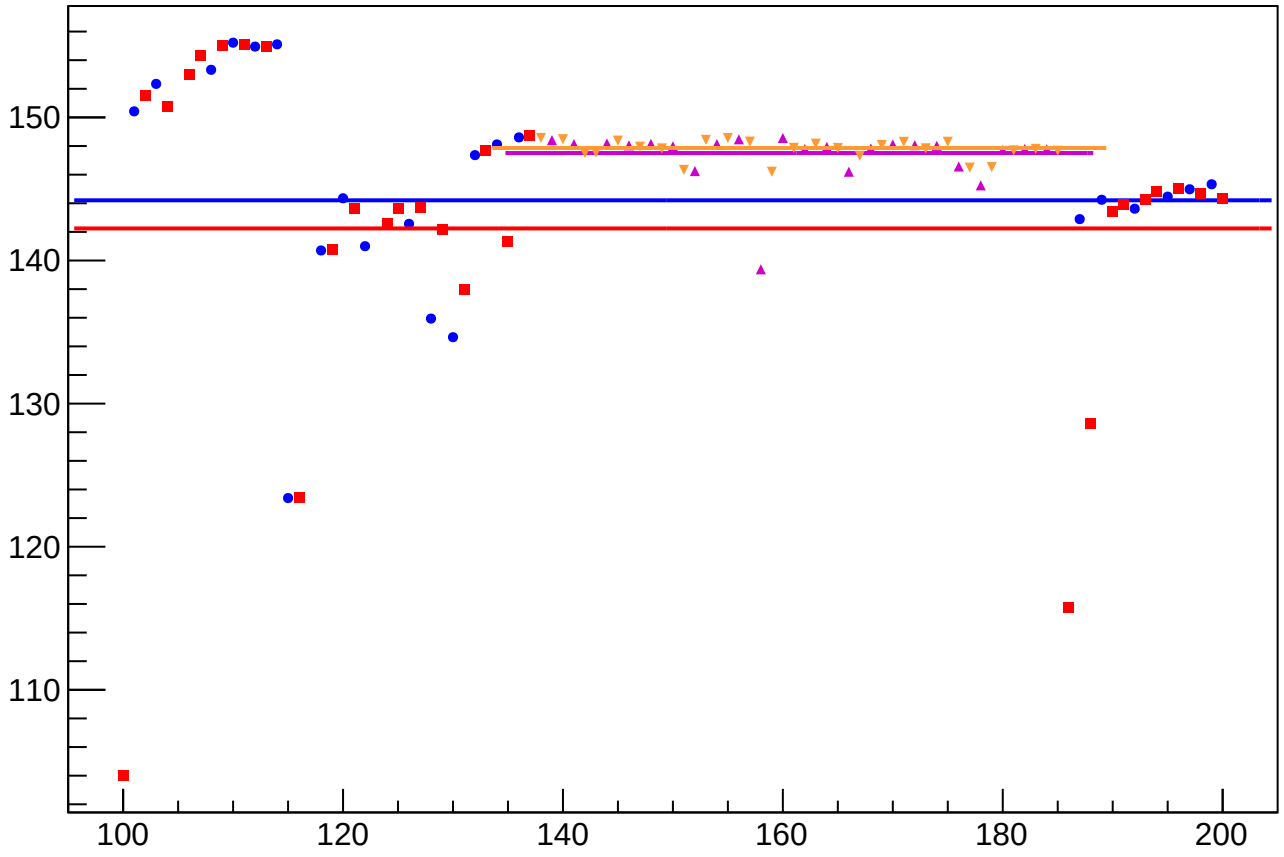
Right Out: 30.507+/-0.006 χ^2/NDF: 3556946.2/27

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.036+/-0.004 χ^2/NDF: 3335932.9/46

All: 31.032+/-0.003 χ^2/NDF: 6989451.4/97

\- sign 31.028+/-0.004 χ^2/NDF: 3653516.7/50



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

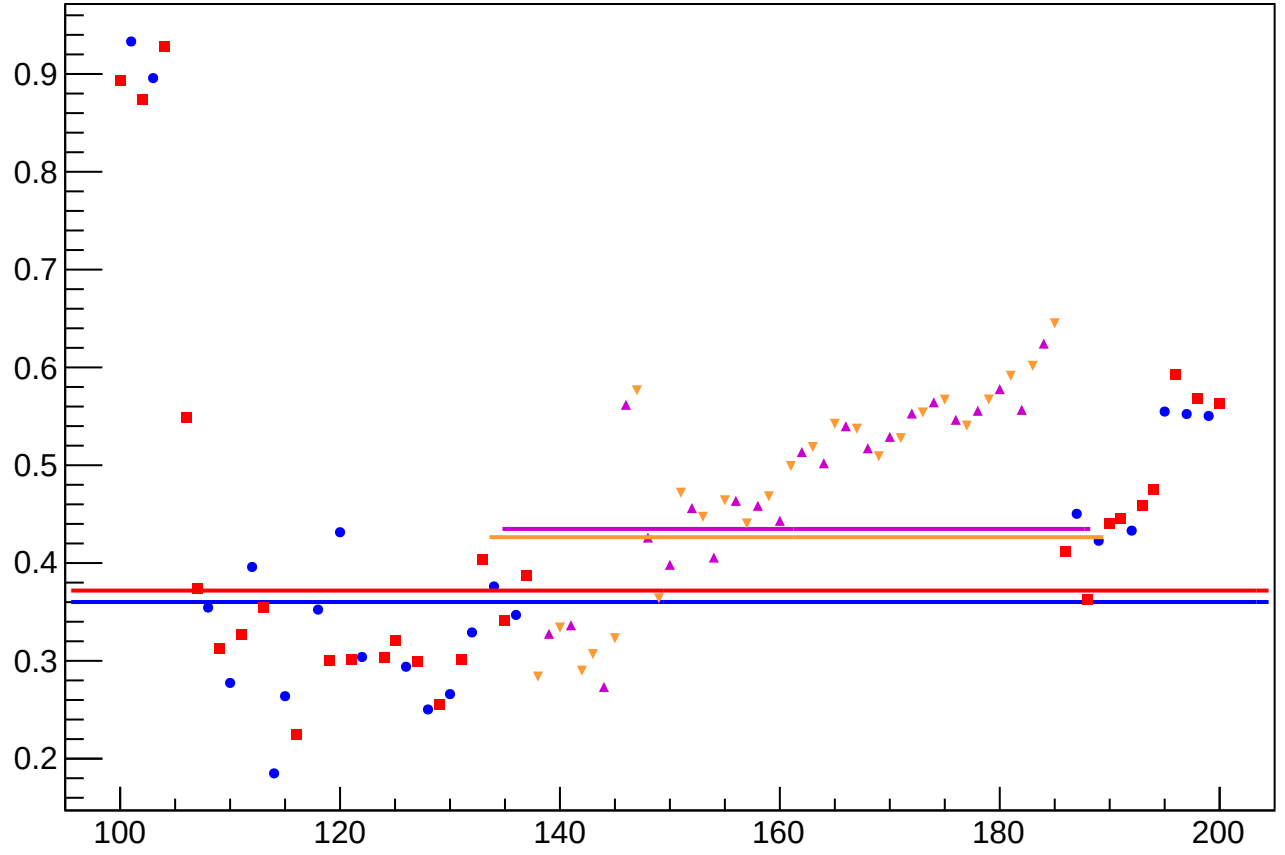
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.288+/-0.000 χ^2/NDF: 4337037709.1/46

All: 145.621+/-0.000 χ^2/NDF: 13497943649.

- sign 144.963+/-0.000 χ^2/NDF: 9010166283.2/50

yield_bcm_target_rms vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

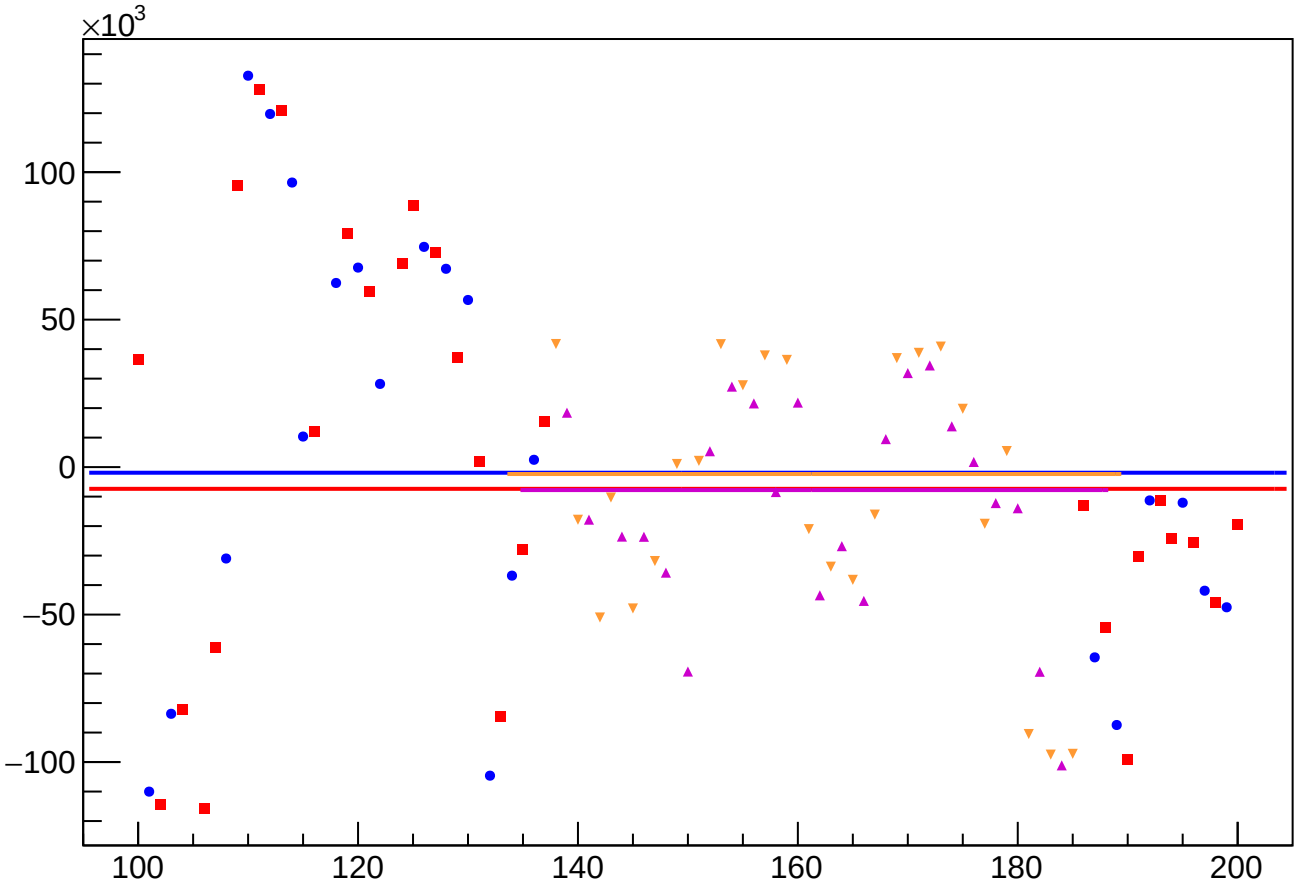
Right Out: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.398+/-0.000 χ^2/NDF: 4854014.2/46

All: 0.401+/-0.000 χ^2/NDF: 9273903.2/97

- sign 0.404+/-0.000 χ^2/NDF: 4412578.9/50



Right In: -1904.594+/-1.599 χ^2/NDF: 1752118117.3/21

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -7366.175+/-1.435 χ^2/NDF: 2227296742.8/27

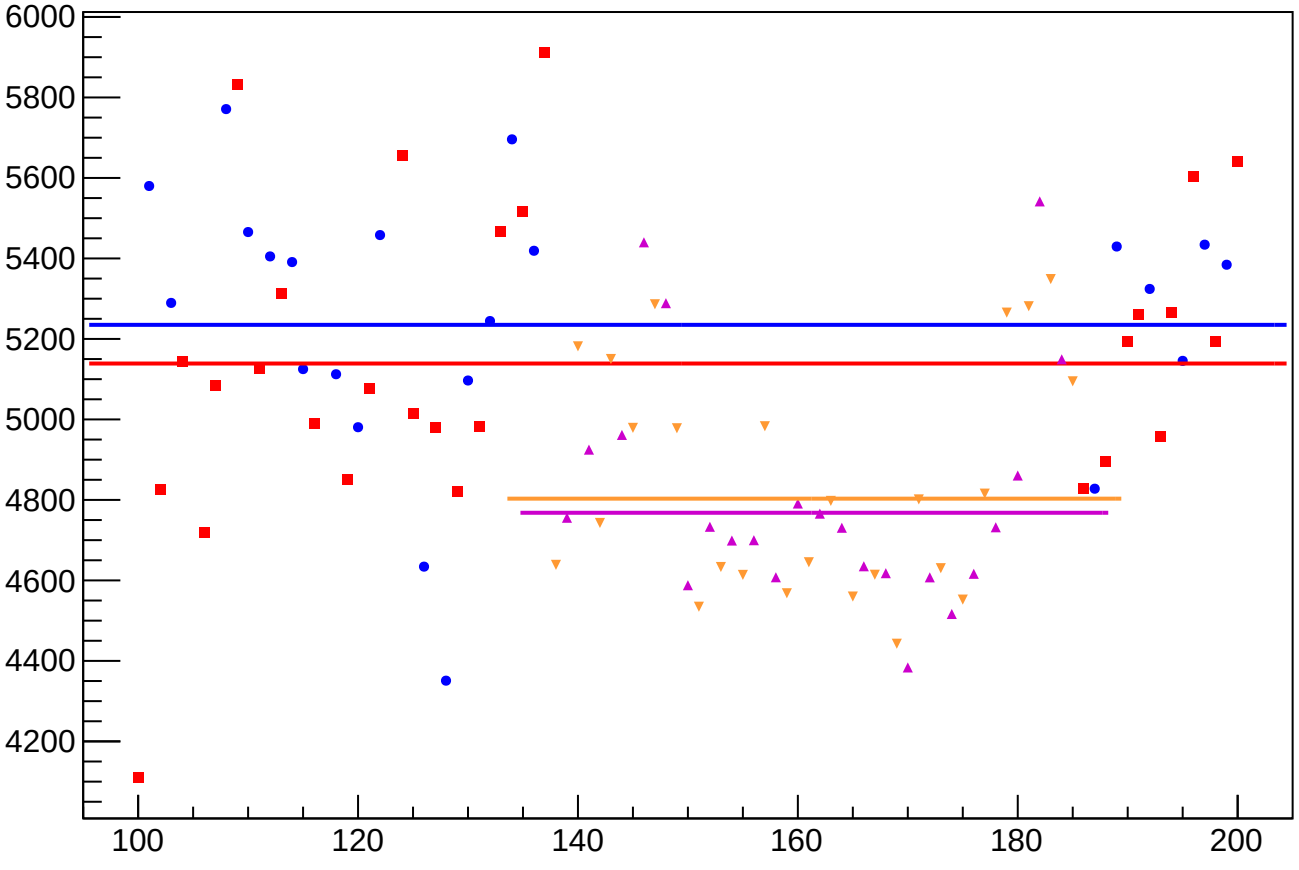
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -2199.408+/-0.919 χ^2/NDF: 2982198209.2/4

All: -4984.653+/-0.641 χ^2/NDF: 5989926520

- sign -7623.853+/-0.895 χ^2/NDF: 2989846135.3/50

yield_bcm_an_diff_rms vs Slug



Right In: 5234.997+/-1.131 χ^2/NDF: 85993.2/21

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

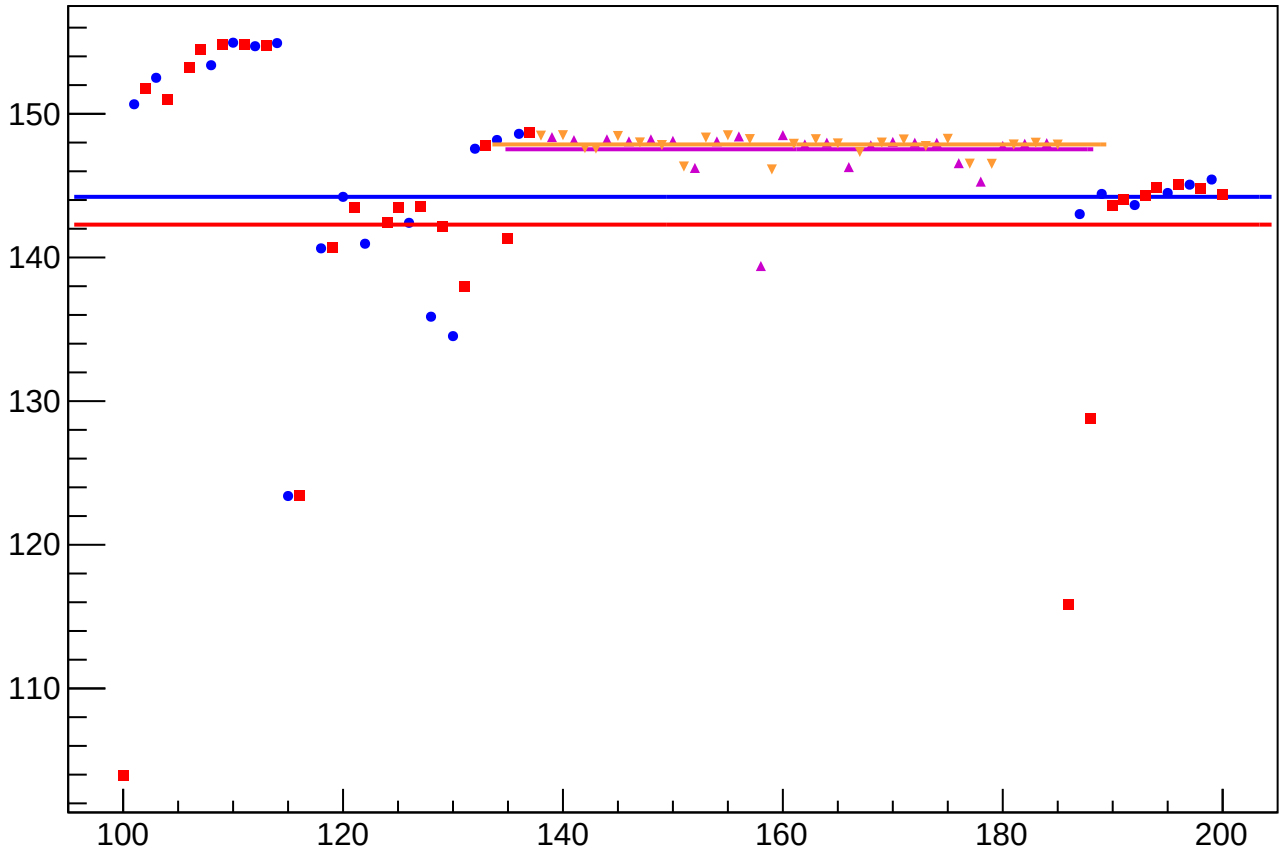
Right Out: 5138.890+/-1.015 χ^2/NDF: 95057.1/27

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4945.808+/-0.650 χ^2/NDF: 298342.3/46

All: 4928.581+/-0.453 χ^2/NDF: 578765.8/97

- sign 4912.257+/-0.633 χ^2/NDF: 279055.2/50



Right In: 144.222+/-0.000 χ^2/NDF: 3773997462.2/21

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

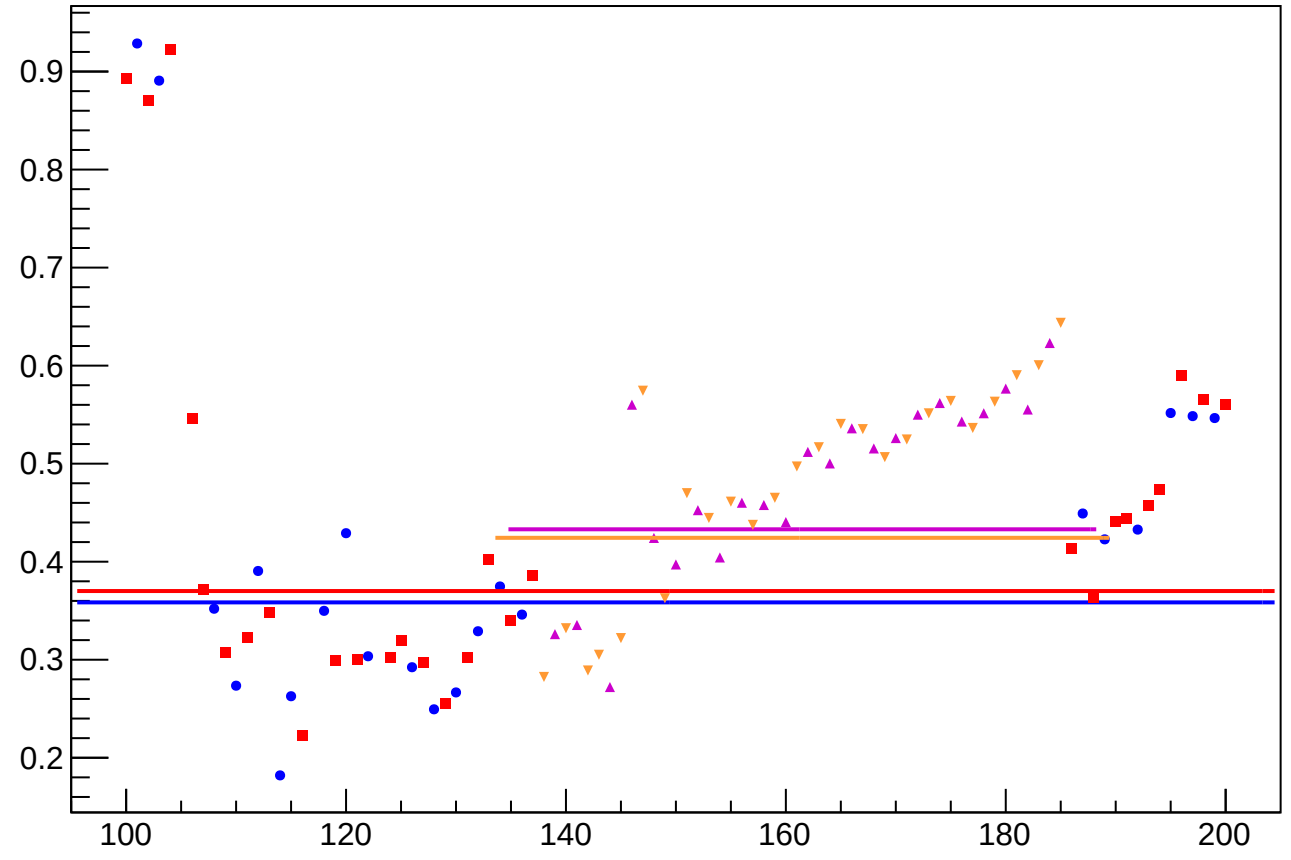
Right Out: 142.288+/-0.000 χ^2/NDF: 7479542086.2/27

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.298+/-0.000 χ^2/NDF: 4380077395.2/46

All: 145.643+/-0.000 χ^2/NDF: 13510392829.

- sign 144.995+/-0.000 χ^2/NDF: 8983253978.3/50



Right In: 0.358+/-0.000 χ^2/NDF: 2227959.8/21

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

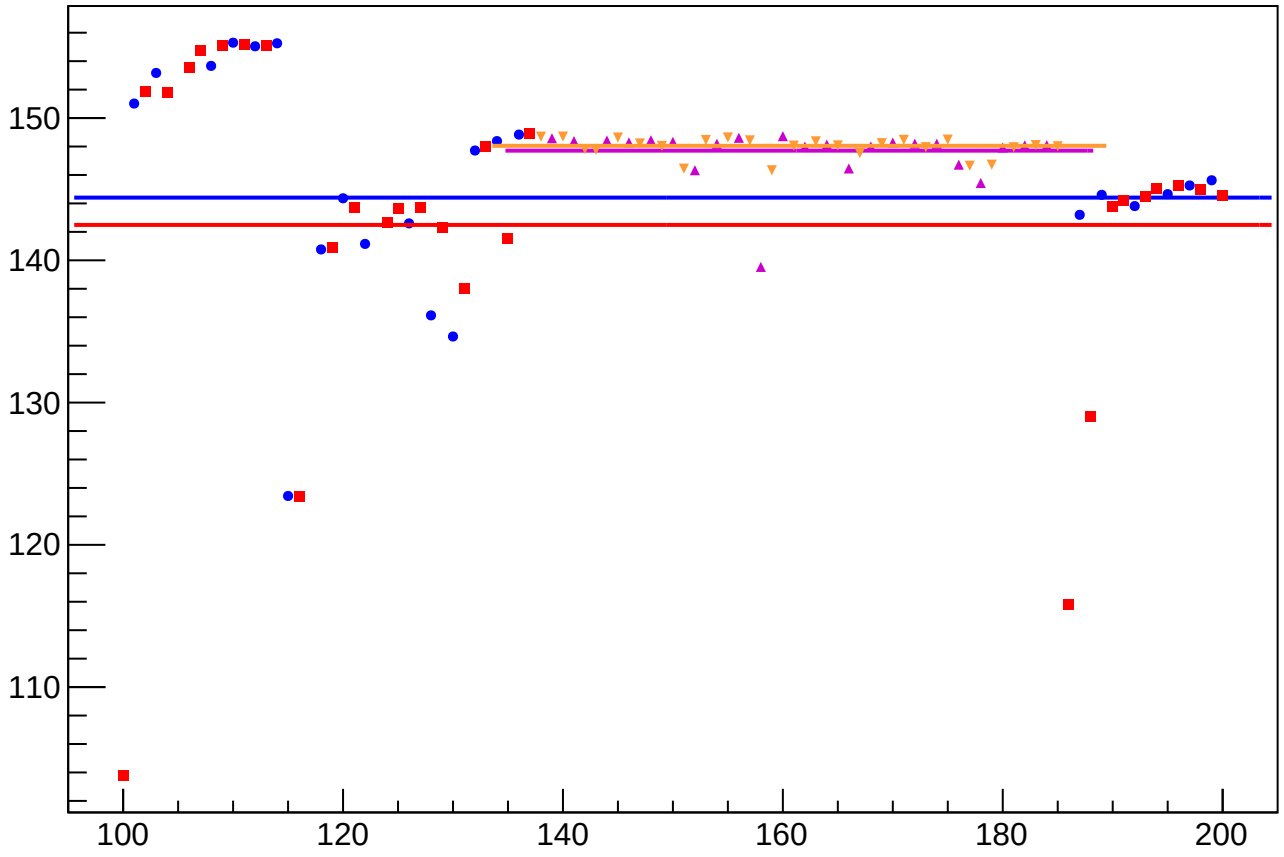
Right Out: 0.370+/-0.000 χ^2/NDF: 2301853.2/27

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.396+/-0.000 χ^2/NDF: 4854962.6/46

All: 0.399+/-0.000 χ^2/NDF: 9280677.8/97

- sign 0.403+/-0.000 χ^2/NDF: 4418165.0/50



Right In: 144.408+/-0.000 χ^2/NDF: 3767892731.8/21

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.488+/-0.000 χ^2/NDF: 7414844124.2/27

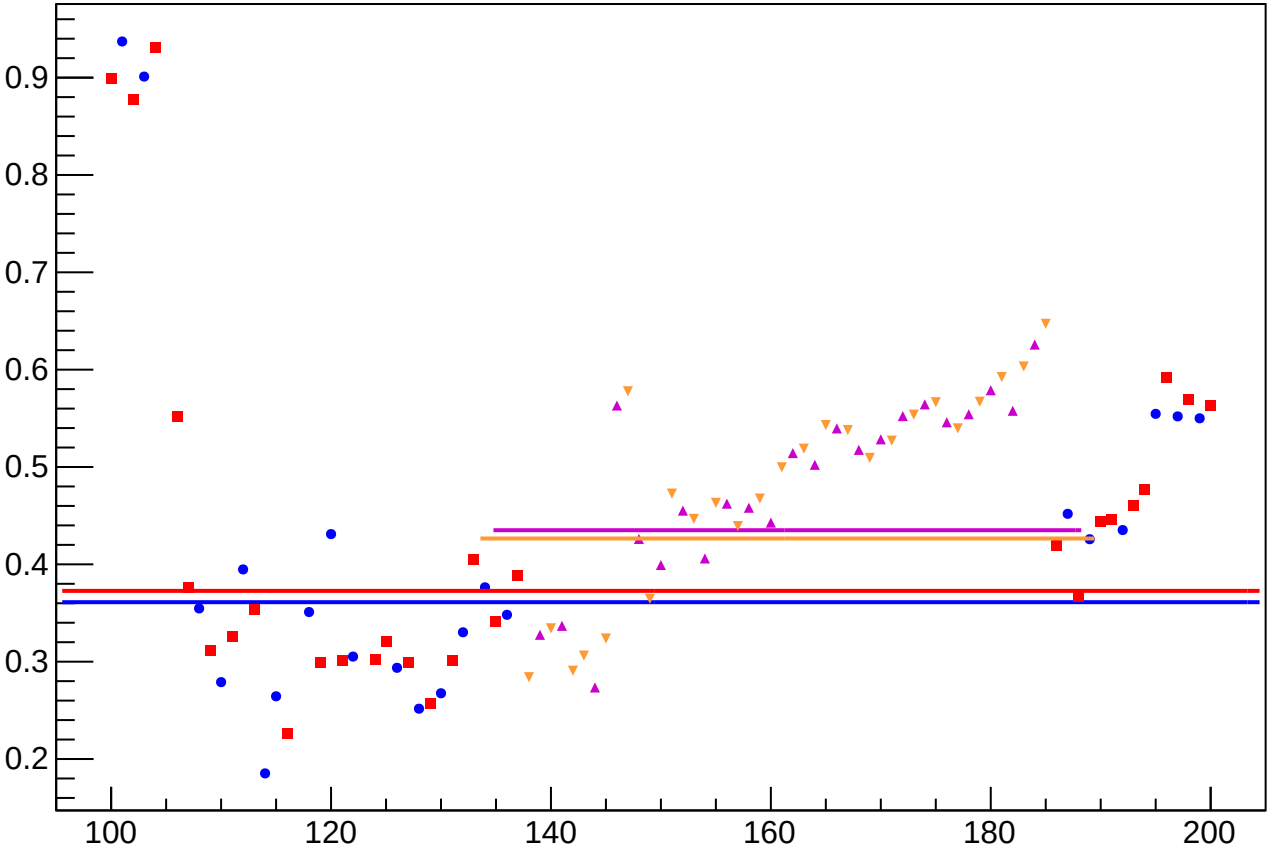
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.484+/-0.000 χ^2/NDF: 4365418145.9/46

All: 145.834+/-0.000 χ^2/NDF: 13407759079.

- sign 145.191+/-0.000 χ^2/NDF: 8899220963.2/50

yield_bcm_an_ds3_rms vs Slug



Right In: 0.361+/-0.000 χ^2/NDF: 2219608.8/21

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

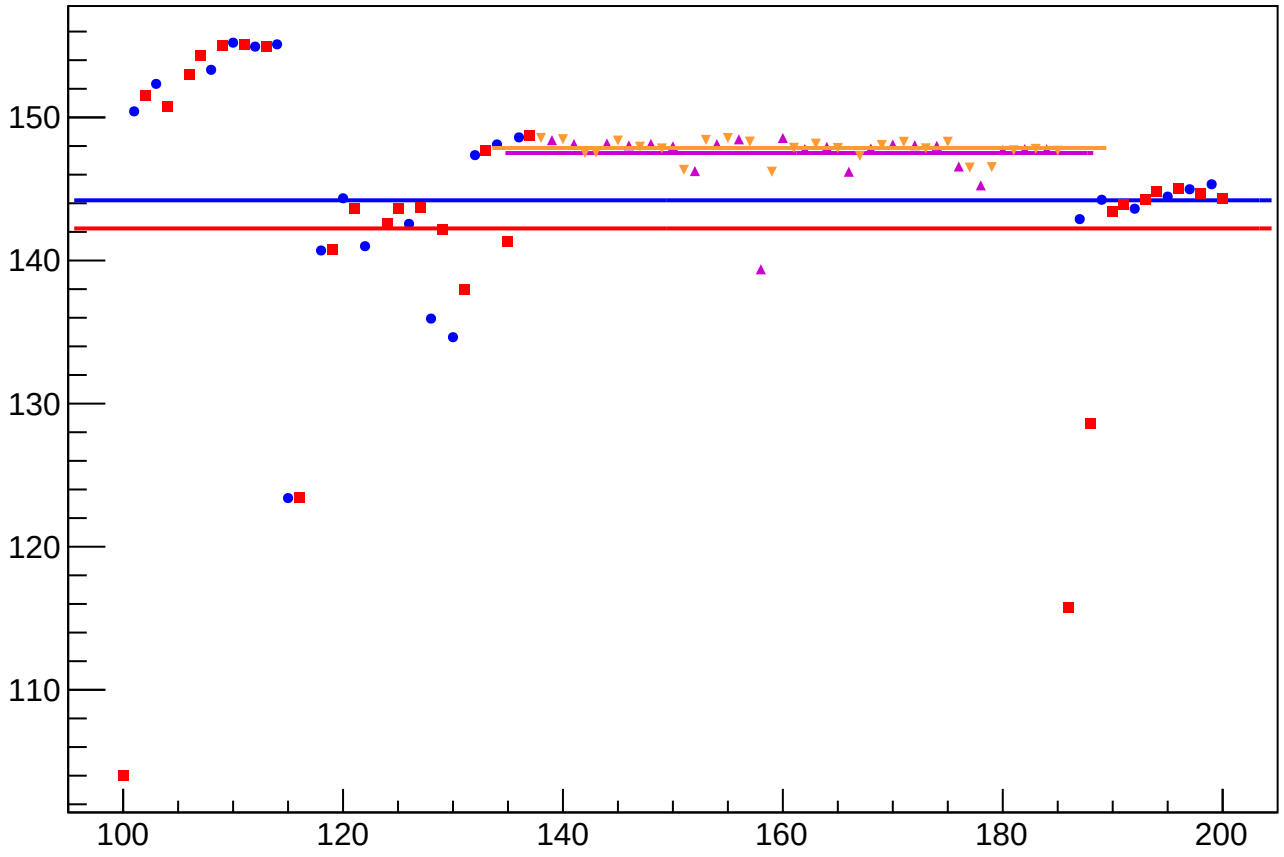
Right Out: 0.373+/-0.000 χ^2/NDF: 2298997.4/27

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.398+/-0.000 χ^2/NDF: 4834239.9/46

All: 0.402+/-0.000 χ^2/NDF: 9244202.3/97

- sign 0.405+/-0.000 χ^2/NDF: 4402566.0/50



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

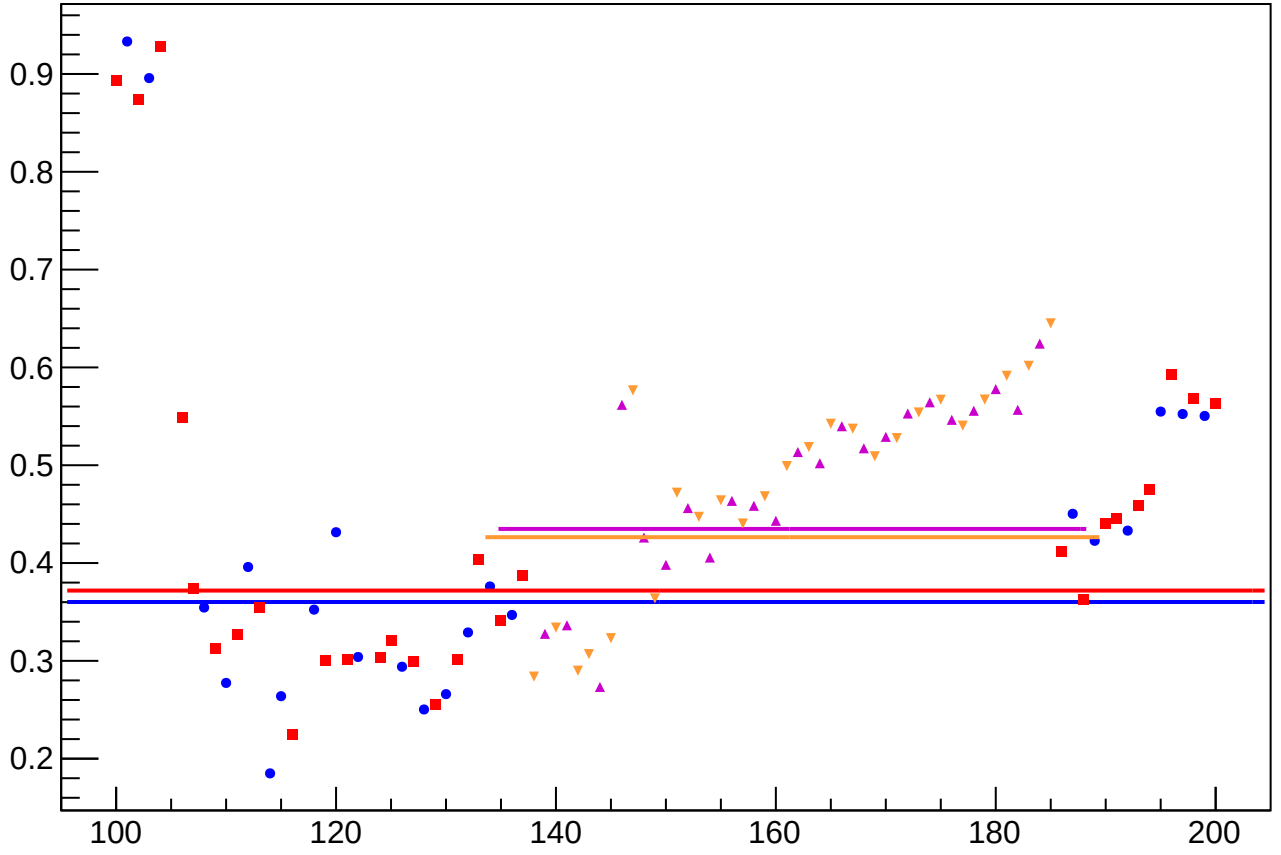
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.288+/-0.000 χ^2/NDF: 4337037709.1/46

All: 145.621+/-0.000 χ^2/NDF: 13497943649.

- sign 144.963+/-0.000 χ^2/NDF: 9010166283.2/50

yield_bcm_an_us_rms vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

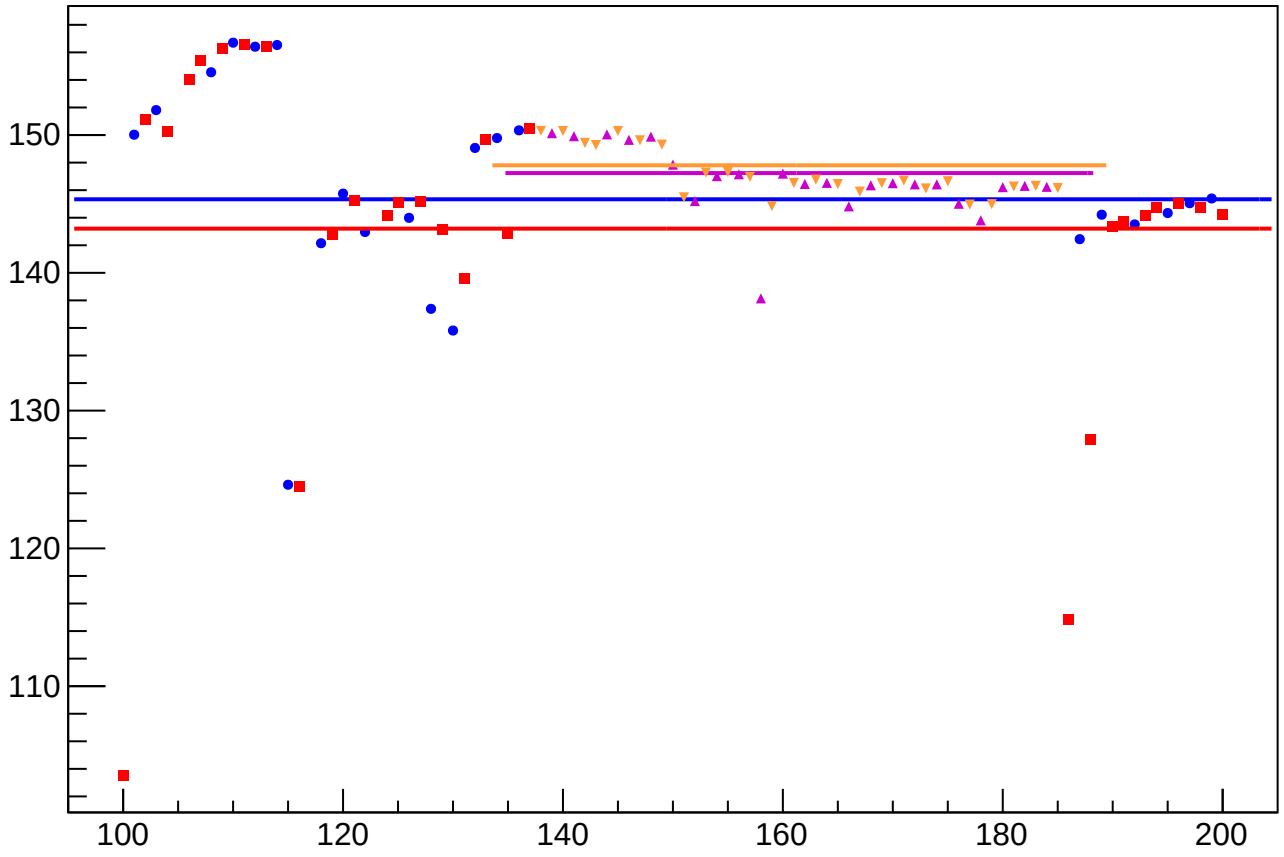
Right Out: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.398+/-0.000 χ^2/NDF: 4854014.2/46

All: 0.401+/-0.000 χ^2/NDF: 9273903.2/97

- sign 0.404+/-0.000 χ^2/NDF: 4412578.9/50



Right In: 145.338+/-0.000 χ^2/NDF: 3514985307.8/21

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.208+/-0.000 χ^2/NDF: 7599470517.2/27

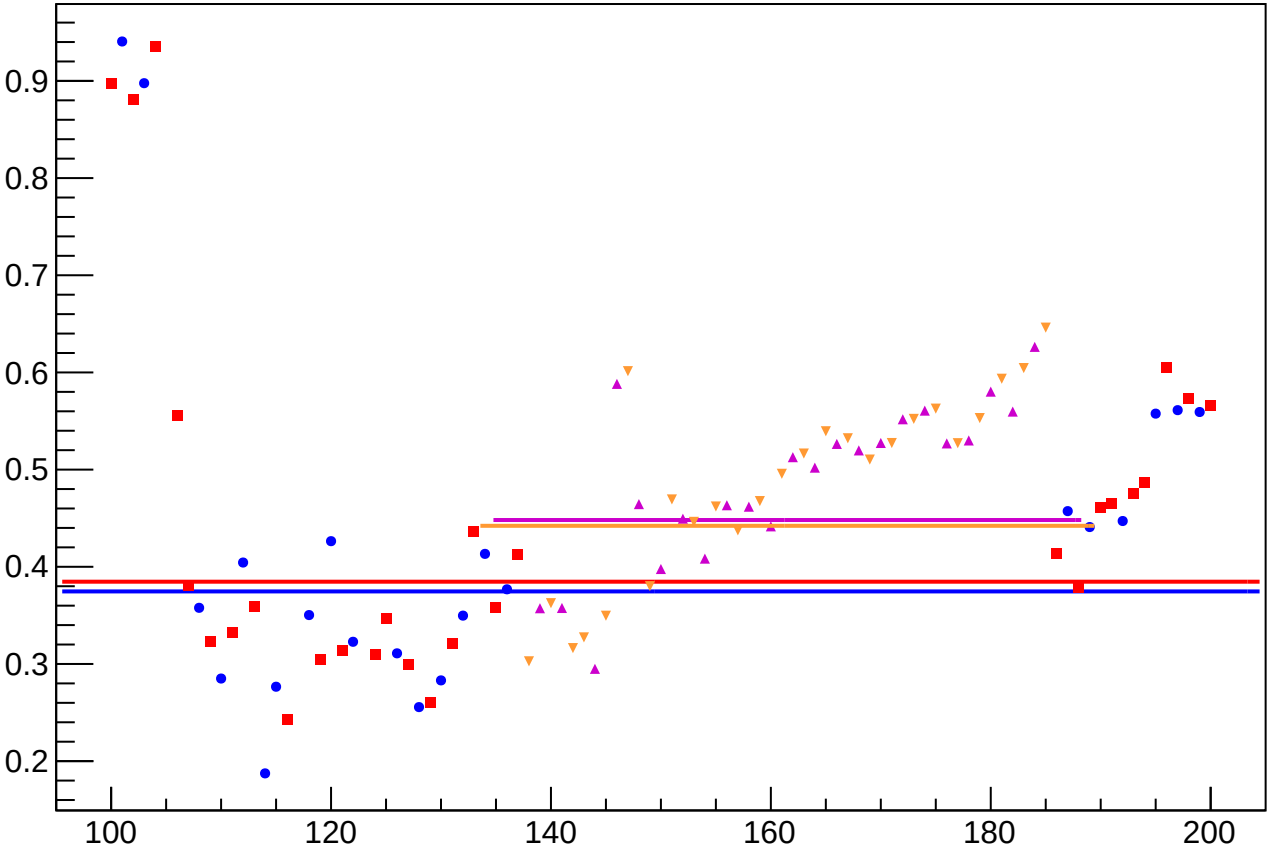
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.752+/-0.000 χ^2/NDF: 4079350957.6/46

All: 146.023+/-0.000 χ^2/NDF: 13127500820.

- sign 145.310+/-0.000 χ^2/NDF: 8880347100.3/50

yield_bcm_dg_us_rms vs Slug



Right In: 0.375+/-0.000 χ^2/NDF: 2128081.0/21

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

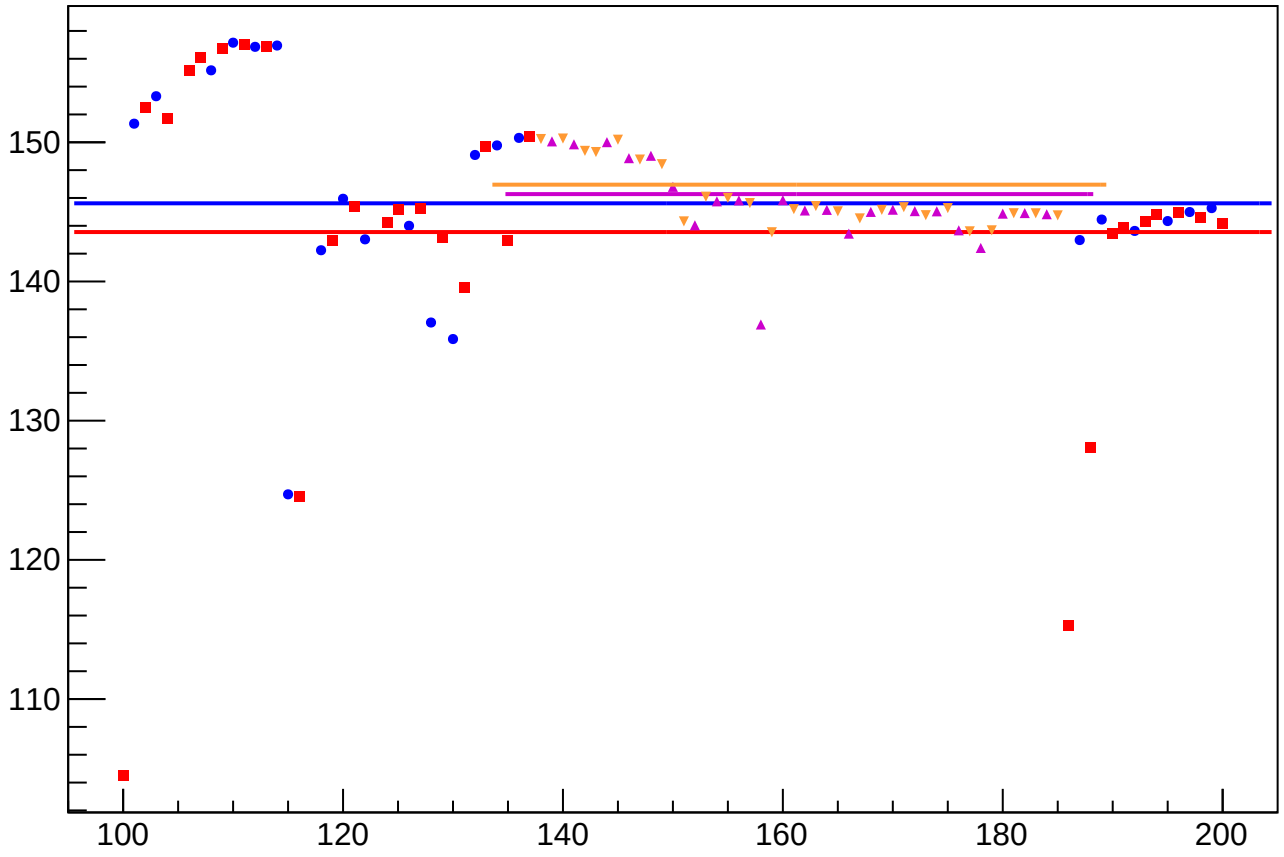
Right Out: 0.385+/-0.000 χ^2/NDF: 2201009.8/27

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.413+/-0.000 χ^2/NDF: 4187991.3/46

All: 0.416+/-0.000 χ^2/NDF: 8068017.2/97

- sign 0.418+/-0.000 χ^2/NDF: 3876937.9/50



Right In: 145.616+/-0.000 χ^2/NDF: 3660597940.6/21

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.552+/-0.000 χ^2/NDF: 7667962009.5/27

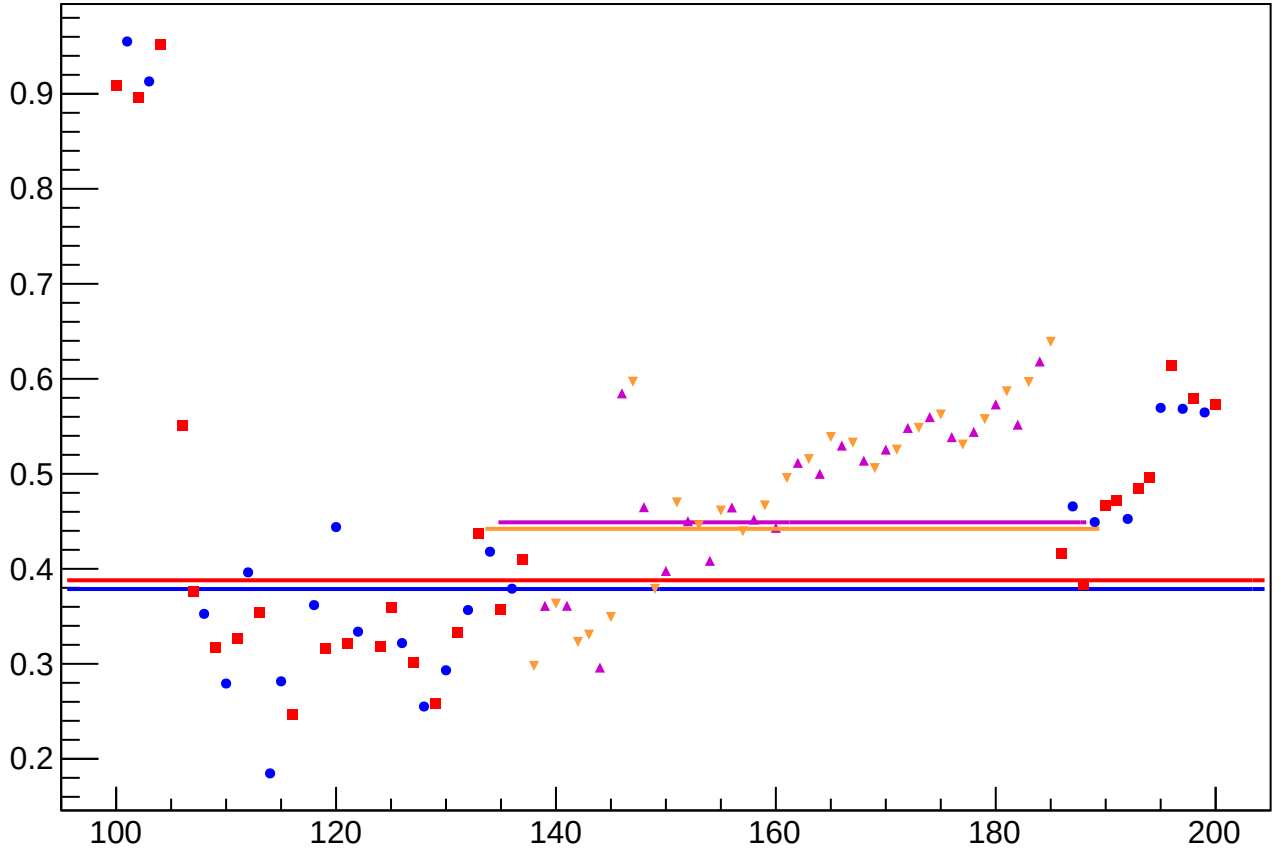
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.392+/-0.000 χ^2/NDF: 4272444532.0/46

All: 145.680+/-0.000 χ^2/NDF: 13222844906.

- sign 144.984+/-0.000 χ^2/NDF: 8792150988.3/50

yield_bcm_dg_ds_rms vs Slug



Right In: 0.379+/-0.000 χ^2/NDF: 2162990.4/21

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.388+/-0.000 χ^2/NDF: 2221290.4/27

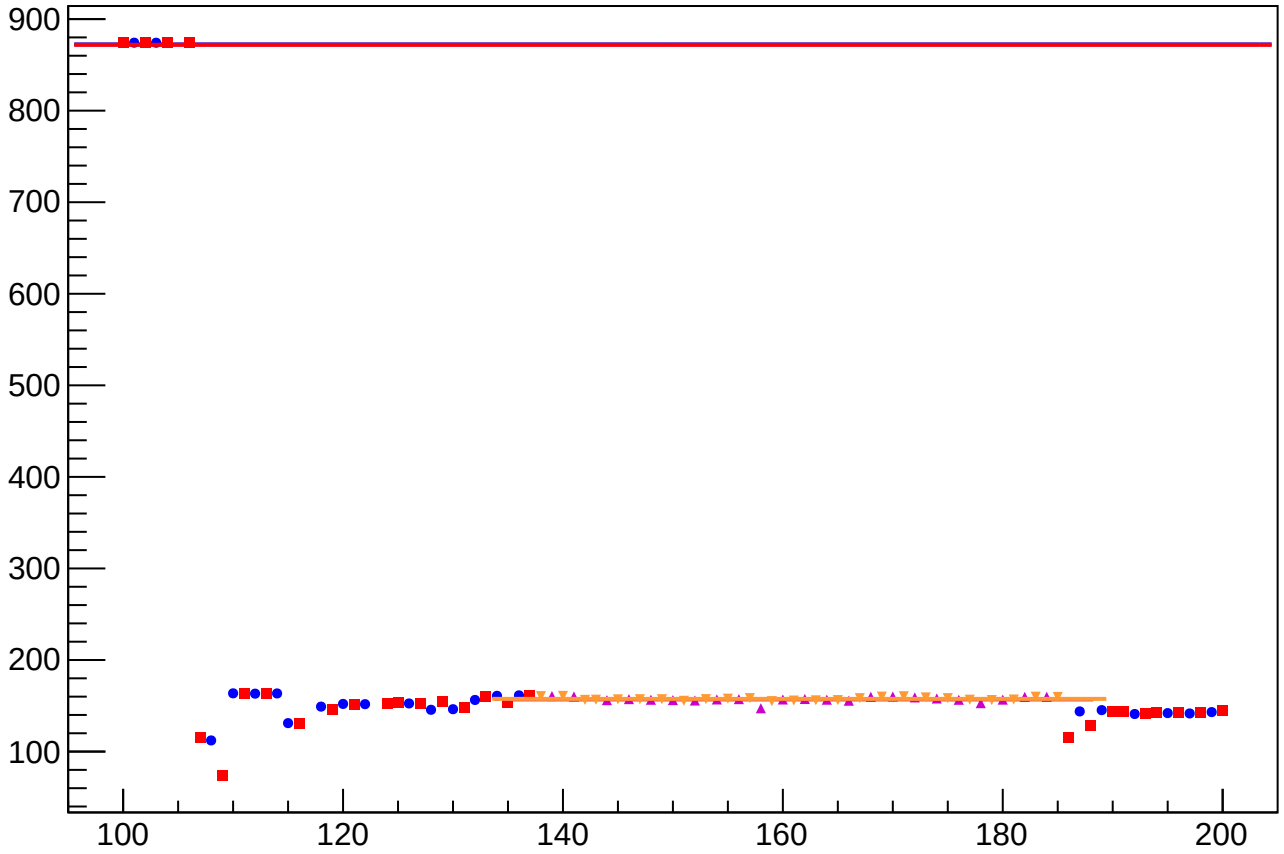
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.415+/-0.000 χ^2/NDF: 4148524.6/46

All: 0.418+/-0.000 χ^2/NDF: 7973211.9/97

- sign 0.420+/-0.000 χ^2/NDF: 3821412.5/50

yield_cav4bQ_mean vs Slug



Right In: 872.350+/-0.000 χ^2/NDF: 9646293250795.2/21

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.929+/-0.000 χ^2/NDF: 13679440318054.3/27

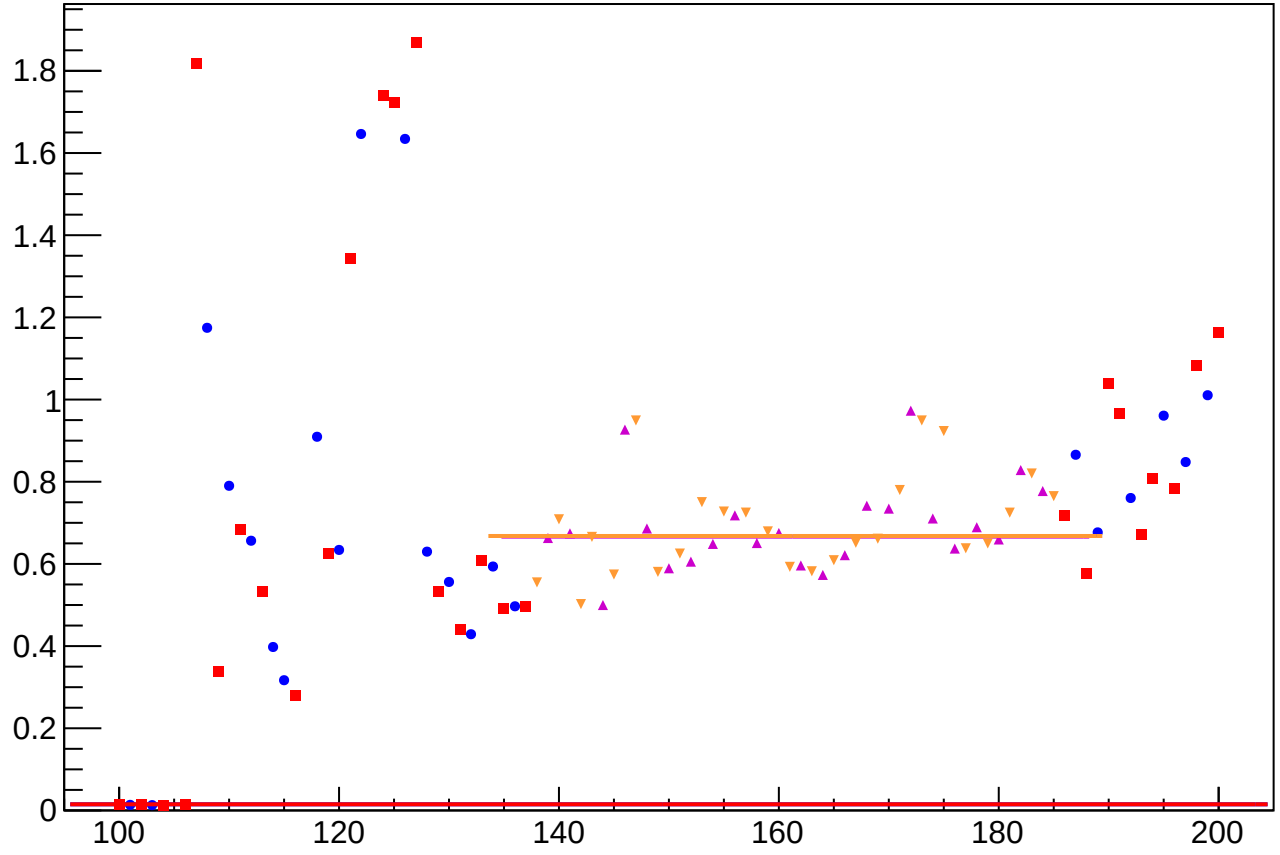
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.969+/-0.000 χ^2/NDF: 26874717060078.

All: 869.050+/-0.000 χ^2/NDF: 57053691157

- sign 869.121+/-0.000 χ^2/NDF: 30178886258687.

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 15961222.4/21

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 19182921.5/27

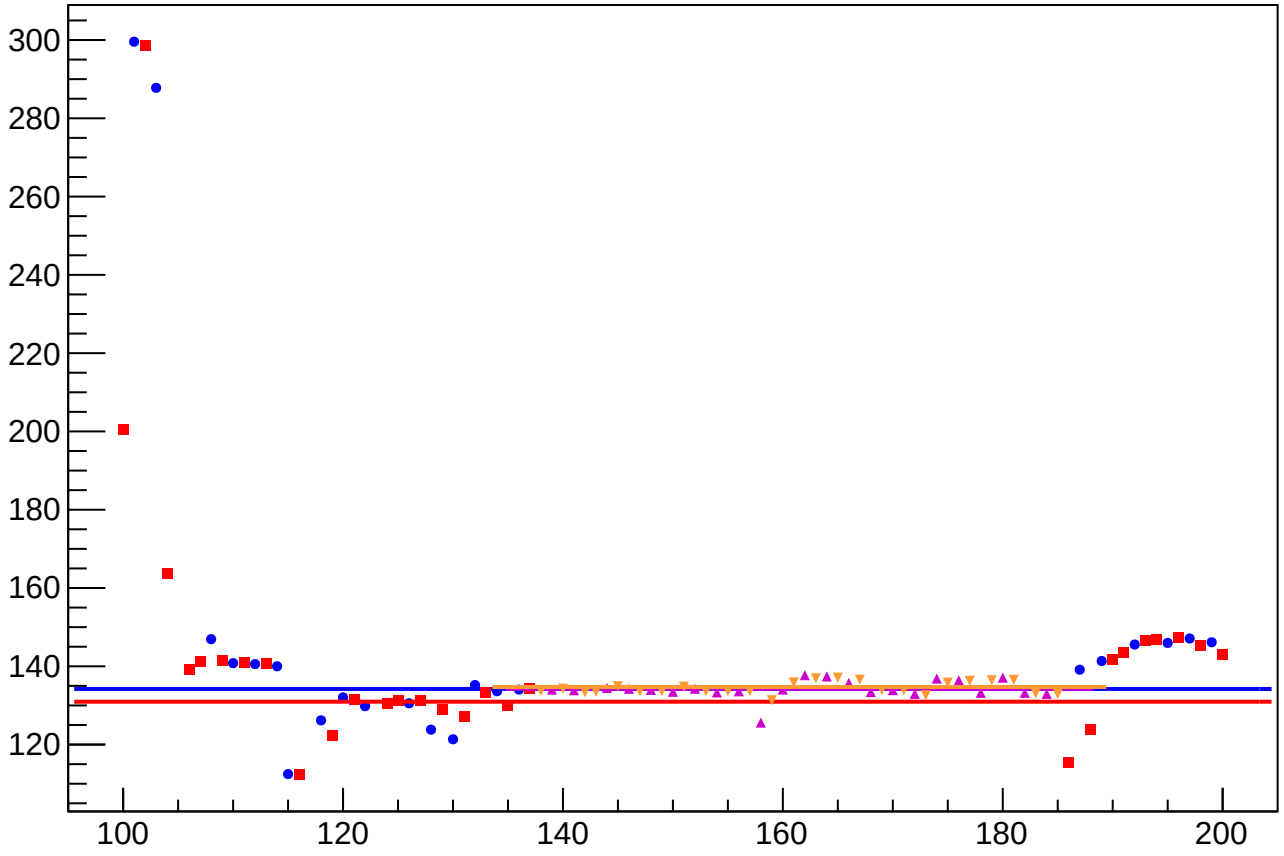
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 45405835.0/46

All: 0.018+/-0.000 χ^2/NDF: 92527521.7/97

- sign 0.018+/-0.000 χ^2/NDF: 47120156.9/50

yield_cav4cQ_mean vs Slug



Right In: 134.214+/-0.000 χ^2/NDF: 2880519234.0/21

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 130.954+/-0.000 χ^2/NDF: 4229502830.5/27

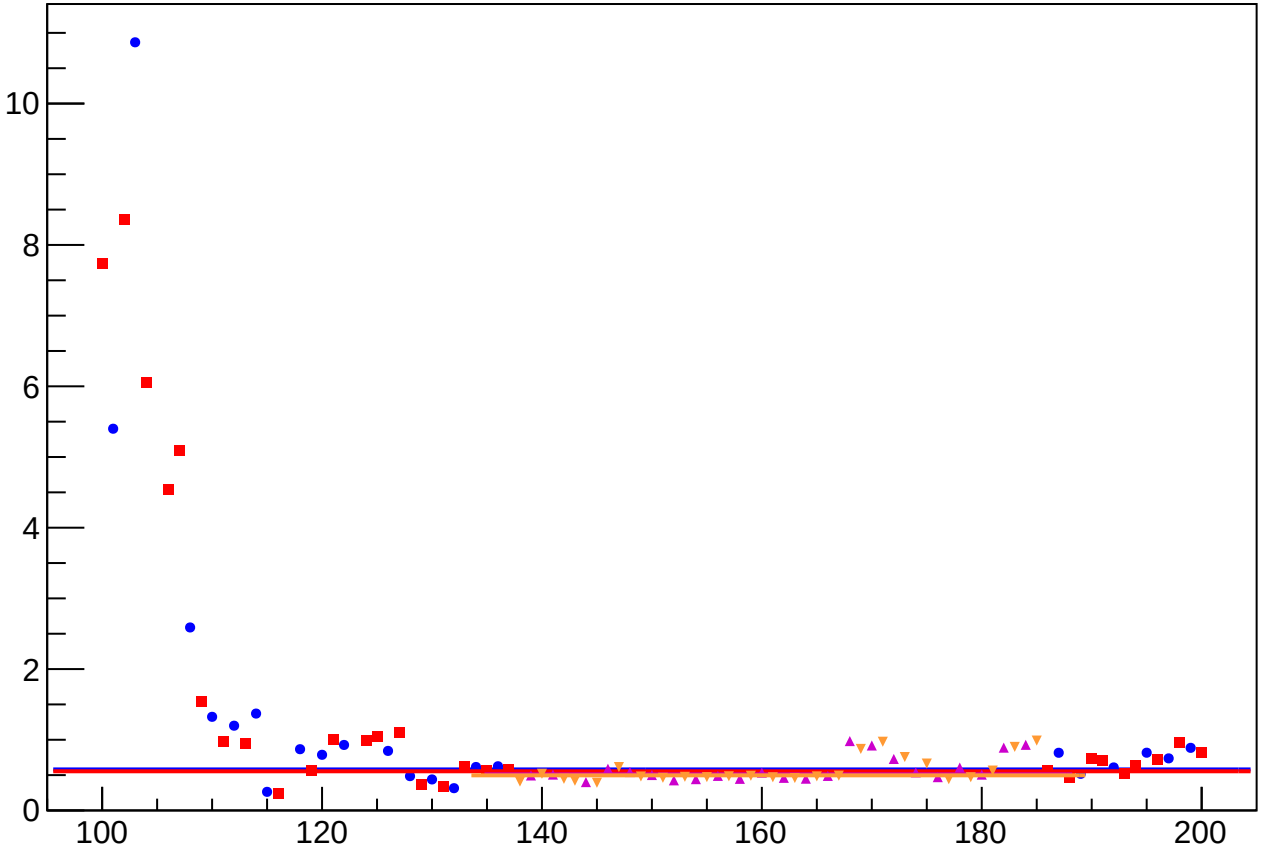
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.597+/-0.000 χ^2/NDF: 3044290635.8/46

All: 133.911+/-0.000 χ^2/NDF: 8000934958.4

- sign 133.228+/-0.000 χ^2/NDF: 4874648377.4/50

yield_cav4cQ_rms vs Slug



Right In: 0.580+/-0.000 χ^2/NDF: 4624116.9/21

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.554+/-0.000 χ^2/NDF: 5599032.3/27

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.516+/-0.000 χ^2/NDF: 6413898.6/46

All: 0.520+/-0.000 χ^2/NDF: 13577447.3/97

- sign 0.523+/-0.000 χ^2/NDF: 7159173.3/50

Right In: 1798.156+/-0.000 χ^2/NDF: 186171651299855.8/21

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1808.547+/-0.000 χ^2/NDF: 208833838392874.9/27

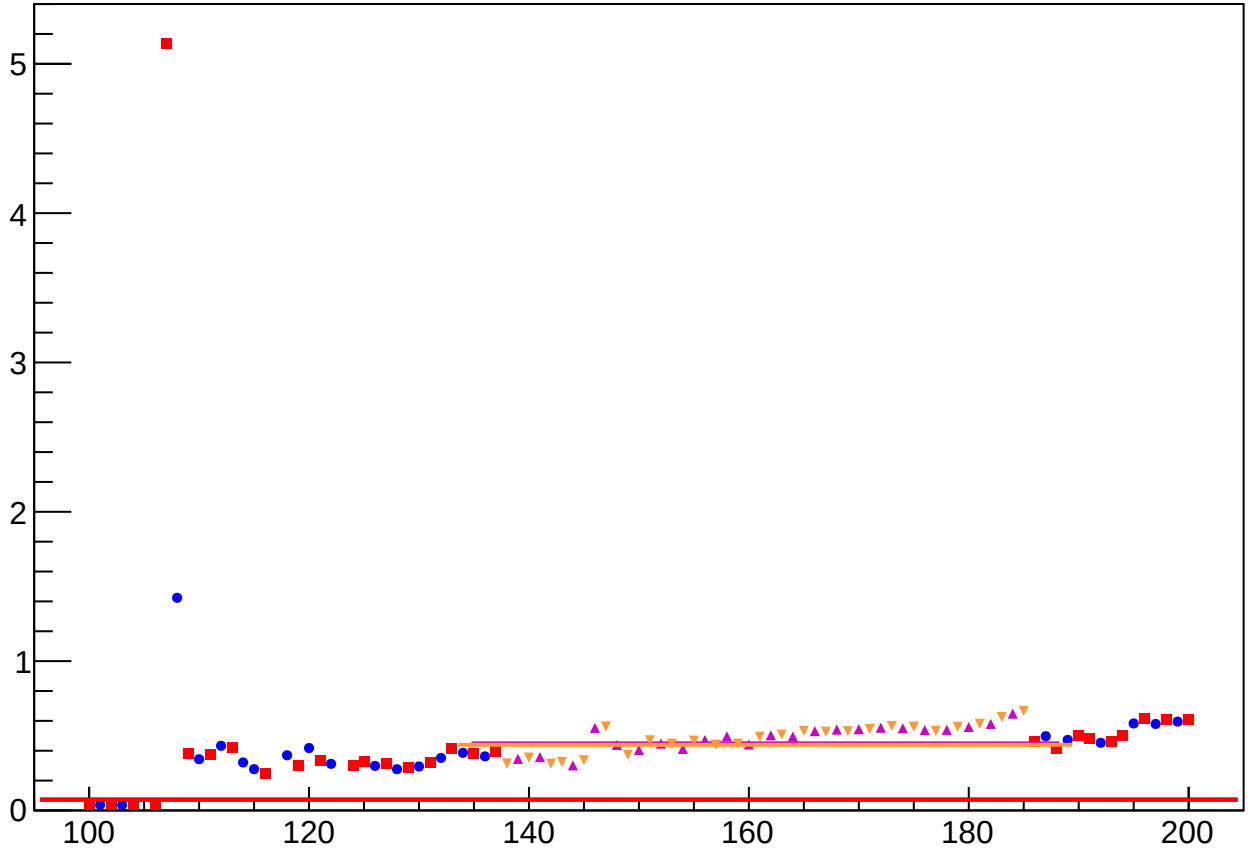
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1570.596+/-0.000 χ^2/NDF: 4071101694844

All: 1599.709+/-0.000 χ^2/NDF: 828079025

- sign 1625.203+/-0.000 χ^2/NDF: 41989174839035

yield_cav4dQ_rms vs Slug



Right In: 0.073+/-0.000 χ^2/NDF: 14246051.3/21

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

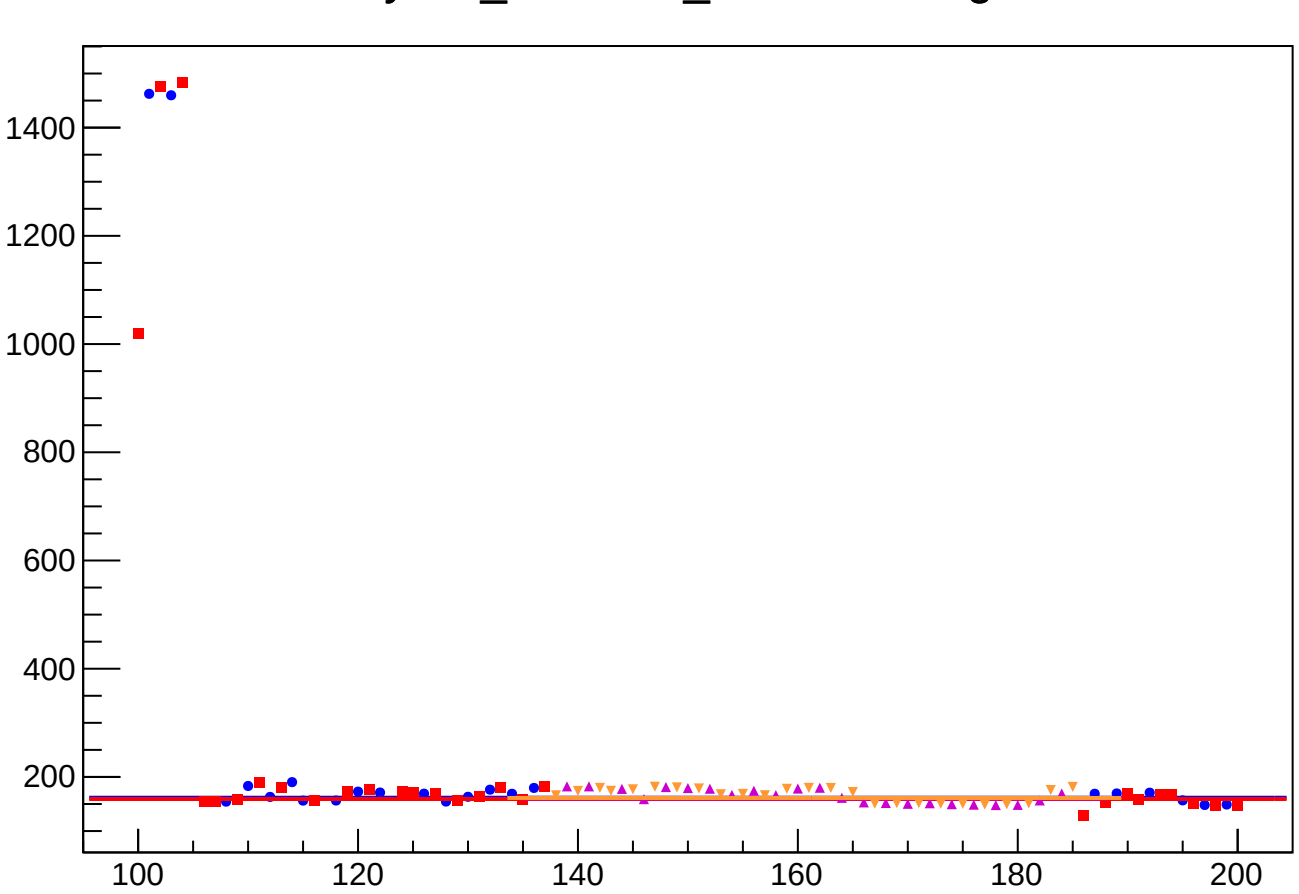
Right Out: 0.072+/-0.000 χ^2/NDF: 16804221.4/27

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.123+/-0.000 χ^2/NDF: 37531172.9/46

All: 0.118+/-0.000 χ^2/NDF: 77244478.7/97

- sign 0.113+/-0.000 χ^2/NDF: 39643545.3/50



Right In: 161.581+/-0.000 χ^2/NDF: 15490801064.1/21

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 159.229+/-0.000 χ^2/NDF: 18044676264.6/27

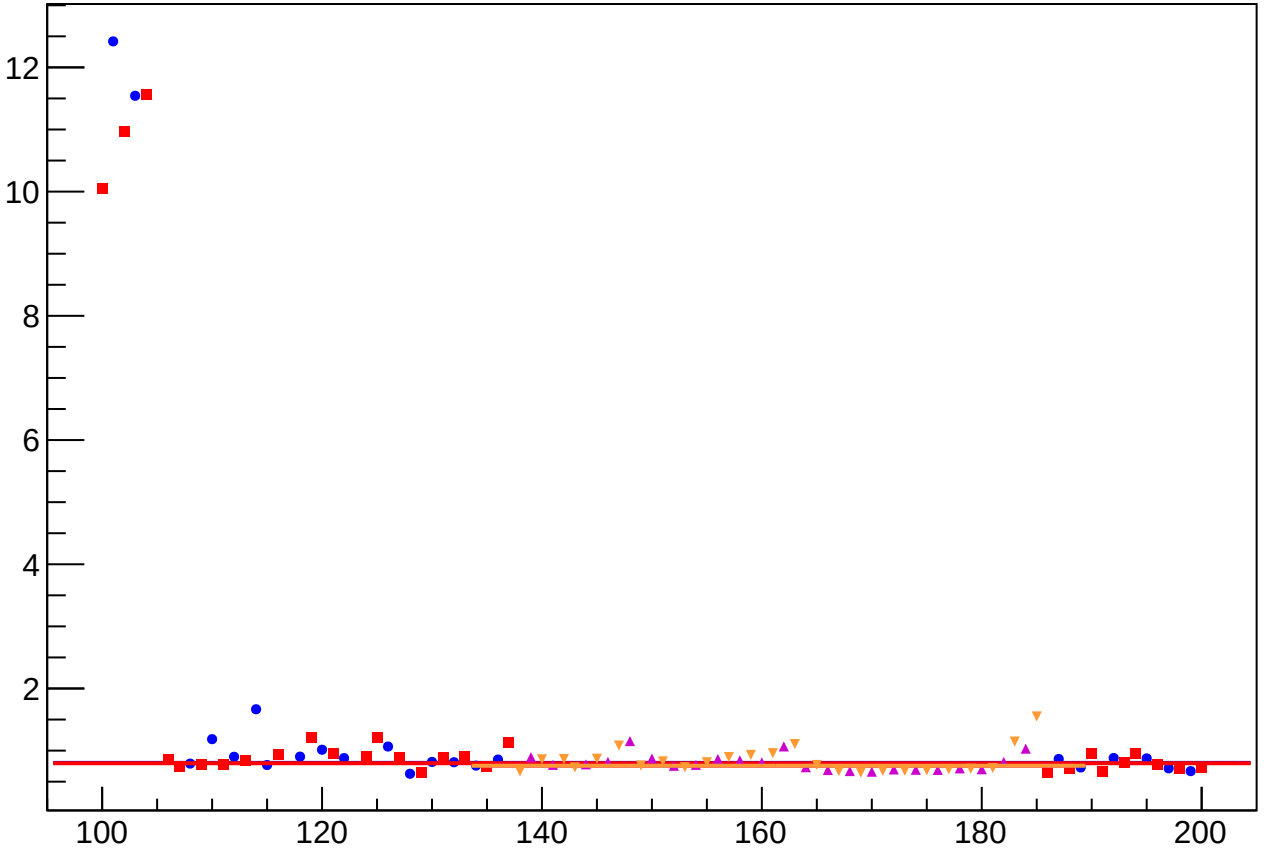
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 161.286+/-0.000 χ^2/NDF: 19231337677.5/46

All: 160.518+/-0.000 χ^2/NDF: 41063211836.

- sign 159.792+/-0.000 χ^2/NDF: 21790518823.6/50

yield_bcm0l02_rms vs Slug



Right In: 0.802+/-0.000 χ^2/NDF: 2451649.9/21

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

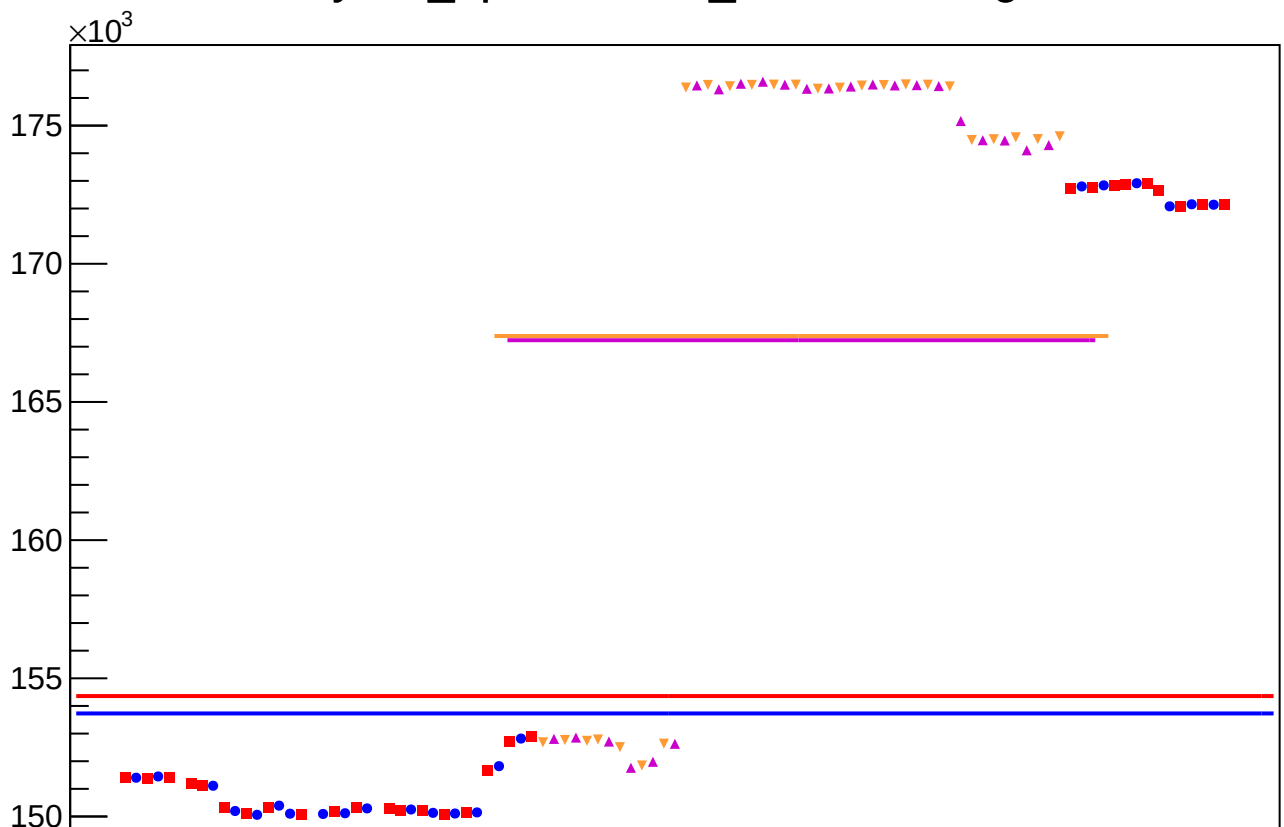
Right Out: 0.797+/-0.000 χ^2/NDF: 2424817.7/27

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.771+/-0.000 χ^2/NDF: 3234936.3/46

All: 0.771+/-0.000 χ^2/NDF: 6163339.7/97

- sign 0.771+/-0.000 χ^2/NDF: 2928401.4/50



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

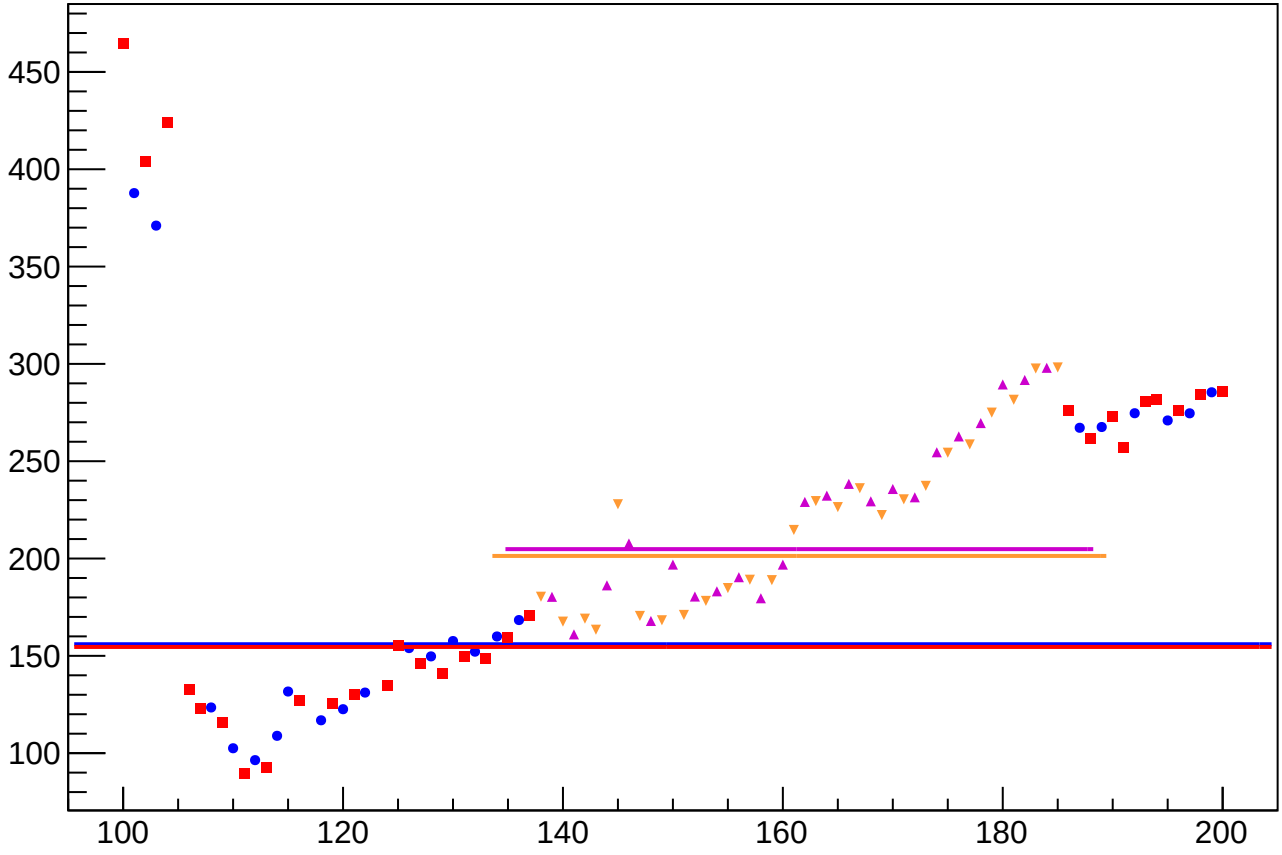
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161086.618+/-0.034 χ^2/NDF: 12239566911

All: 160765.931+/-0.024 χ^2/NDF: 24647507

- sign 160457.584+/-0.034 χ^2/NDF: 12390797043

yield_bpm2i01WS_rms vs Slug



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 180.404+/-0.024 χ^2/NDF: 5387745.0/46

All: 179.370+/-0.017 χ^2/NDF: 12064849.3/97

- sign 178.376+/-0.024 χ^2/NDF: 6673541.1/50

Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

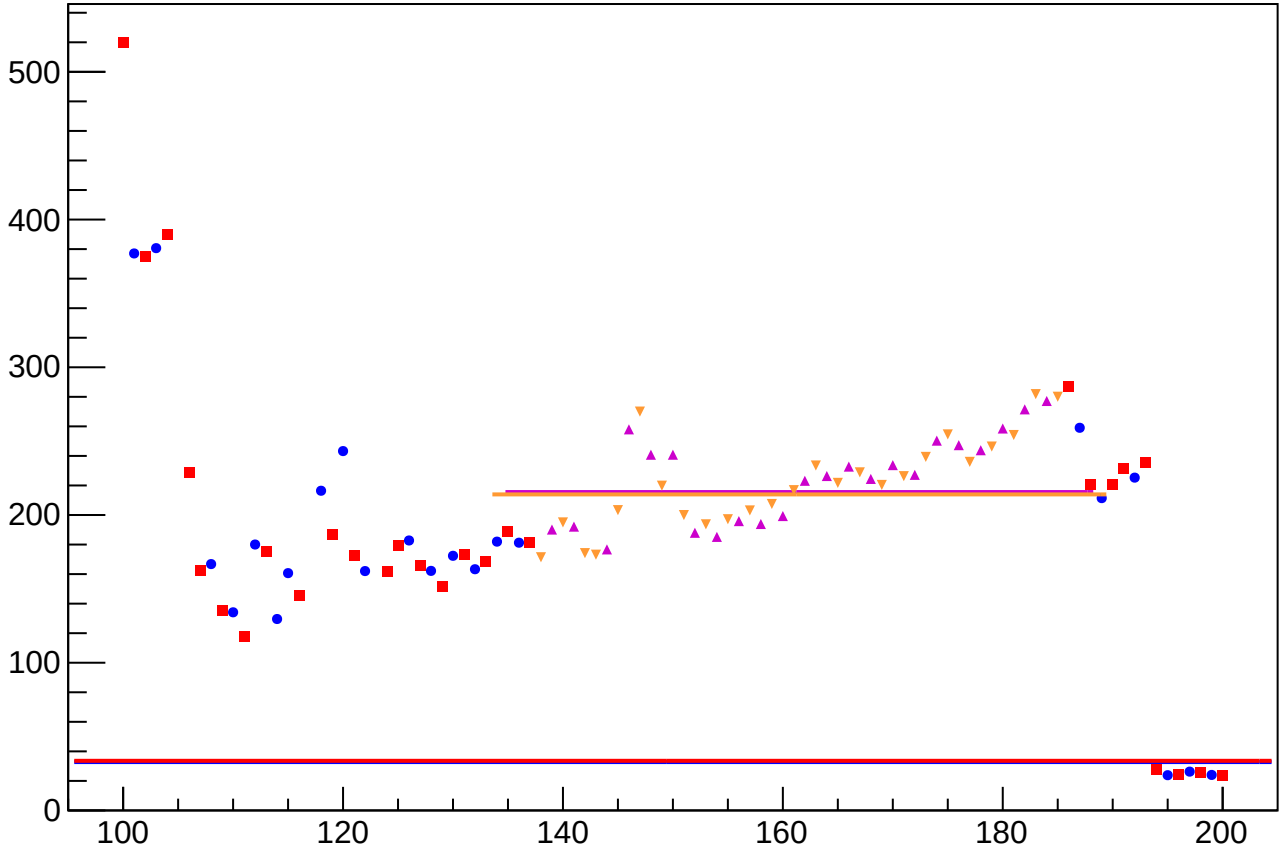
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 7117.136+/-0.014 χ^2/NDF: 1424146748633

All: 6716.140+/-0.010 χ^2/NDF: 290407040

- sign 6349.175+/-0.014 χ^2/NDF: 14797735800879

yield_bpm0i07WS_rms vs Slug



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

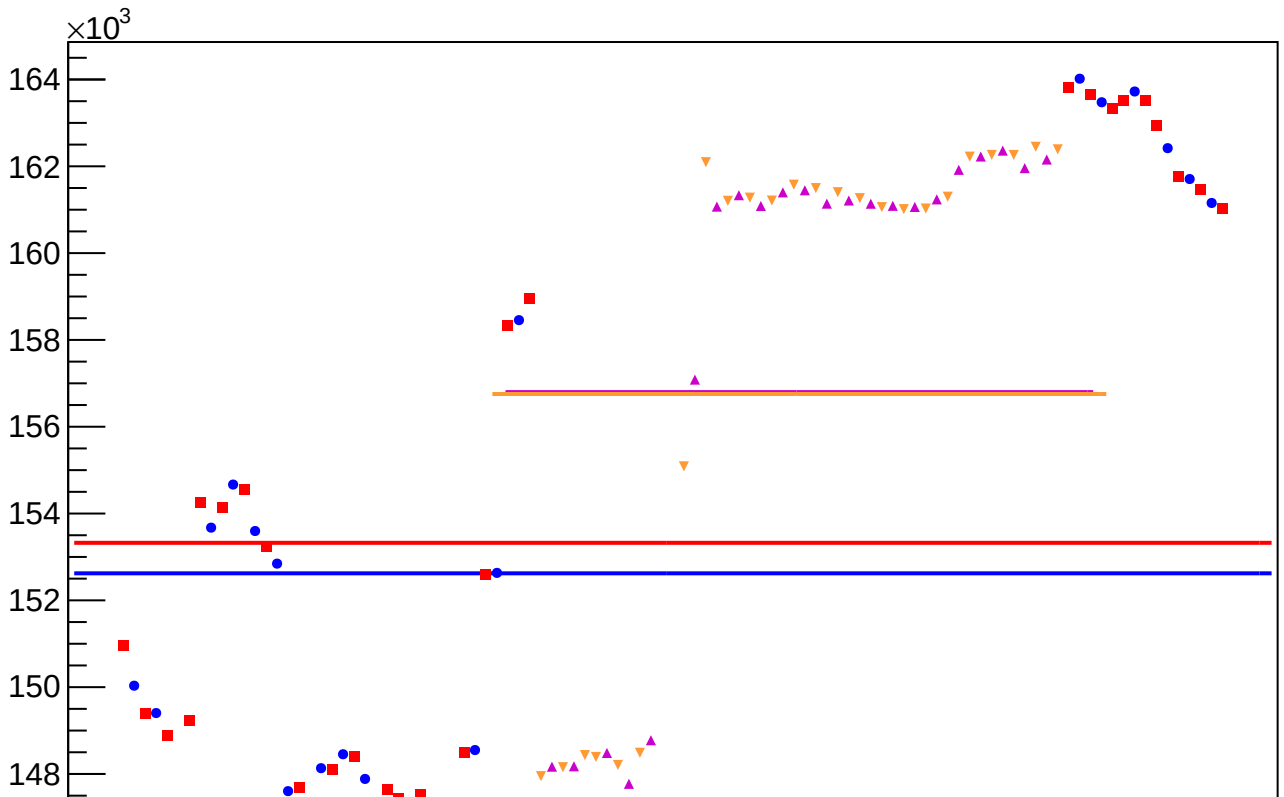
Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 47.996+/-0.010 χ^2/NDF: 37559992.8/46

All: 47.287+/-0.007 χ^2/NDF: 75524956.8/97

- sign 46.638+/-0.010 χ^2/NDF: 37955569.2/50

yield_bpm0i01WS_mean vs Slug



Right In: 152622.730+/-0.058 χ^2/NDF: 8967481903.7/21

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153325.598+/-0.054 χ^2/NDF: 10789712219.6/27

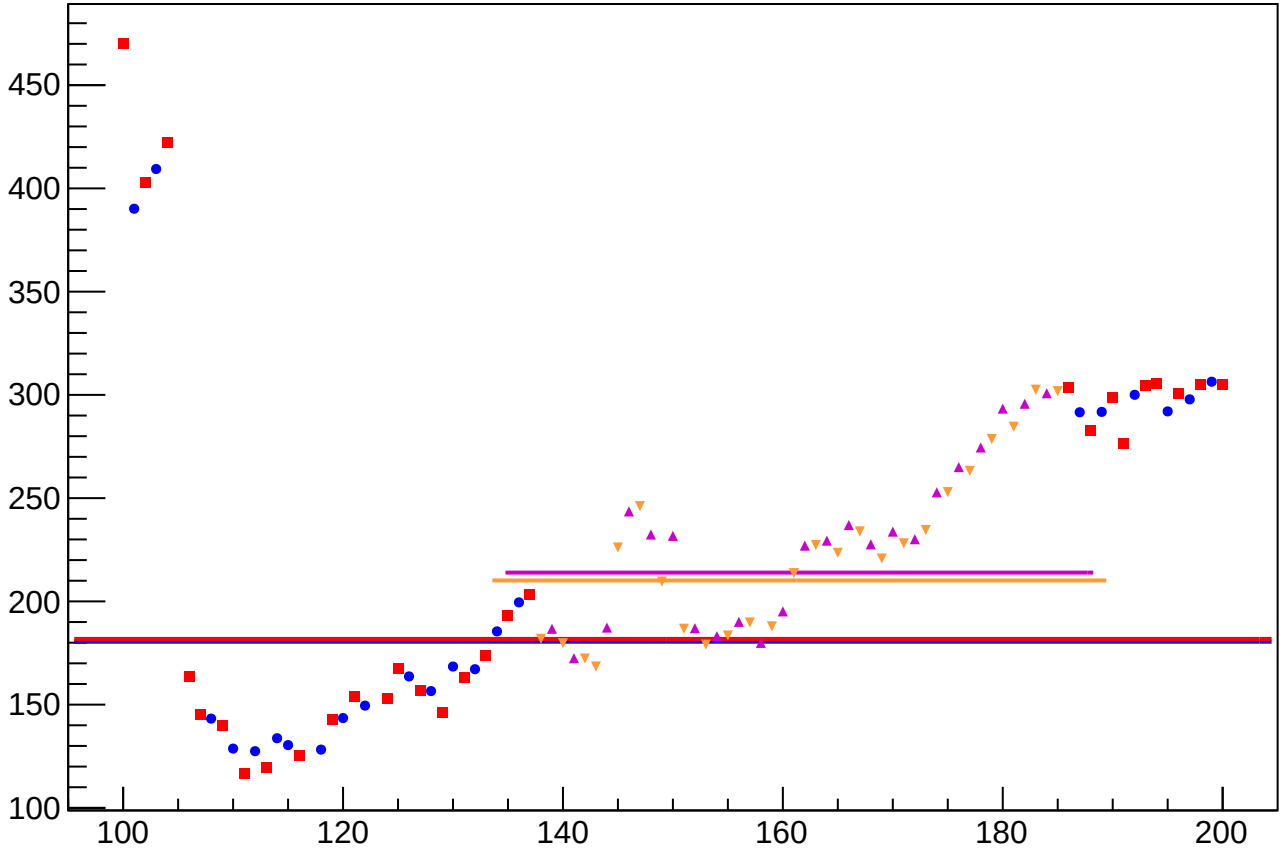
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155035.940+/-0.037 χ^2/NDF: 28349061150.

All: 155095.739+/-0.026 χ^2/NDF: 5568577

- sign 155154.922+/-0.037 χ^2/NDF: 27331565918.

yield_bpm0i01WS_rms vs Slug



Right In: 180.496+/-0.041 χ^2/NDF: 2776240.6/21

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

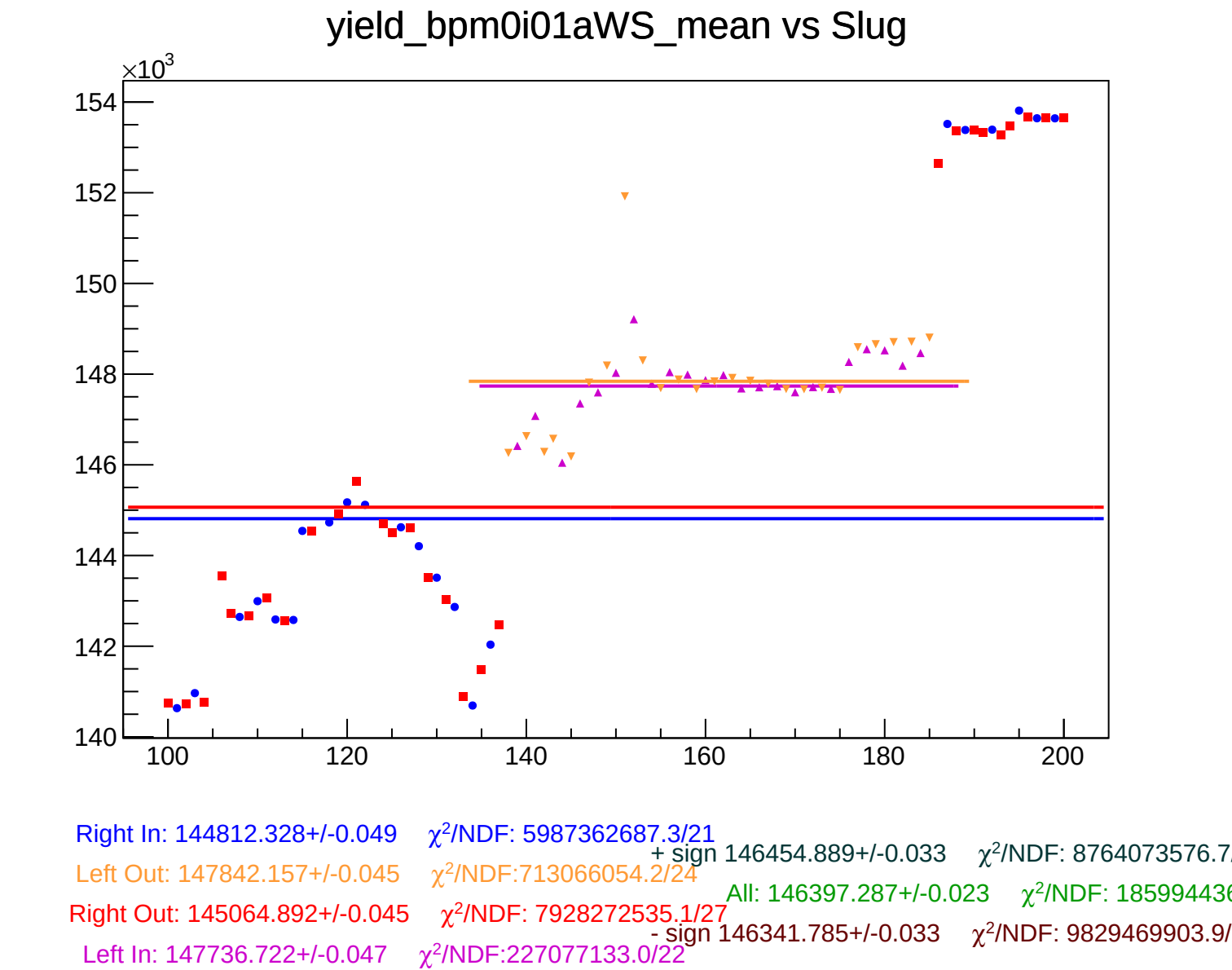
Right Out: 181.834+/-0.038 χ^2/NDF: 3623600.4/27

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

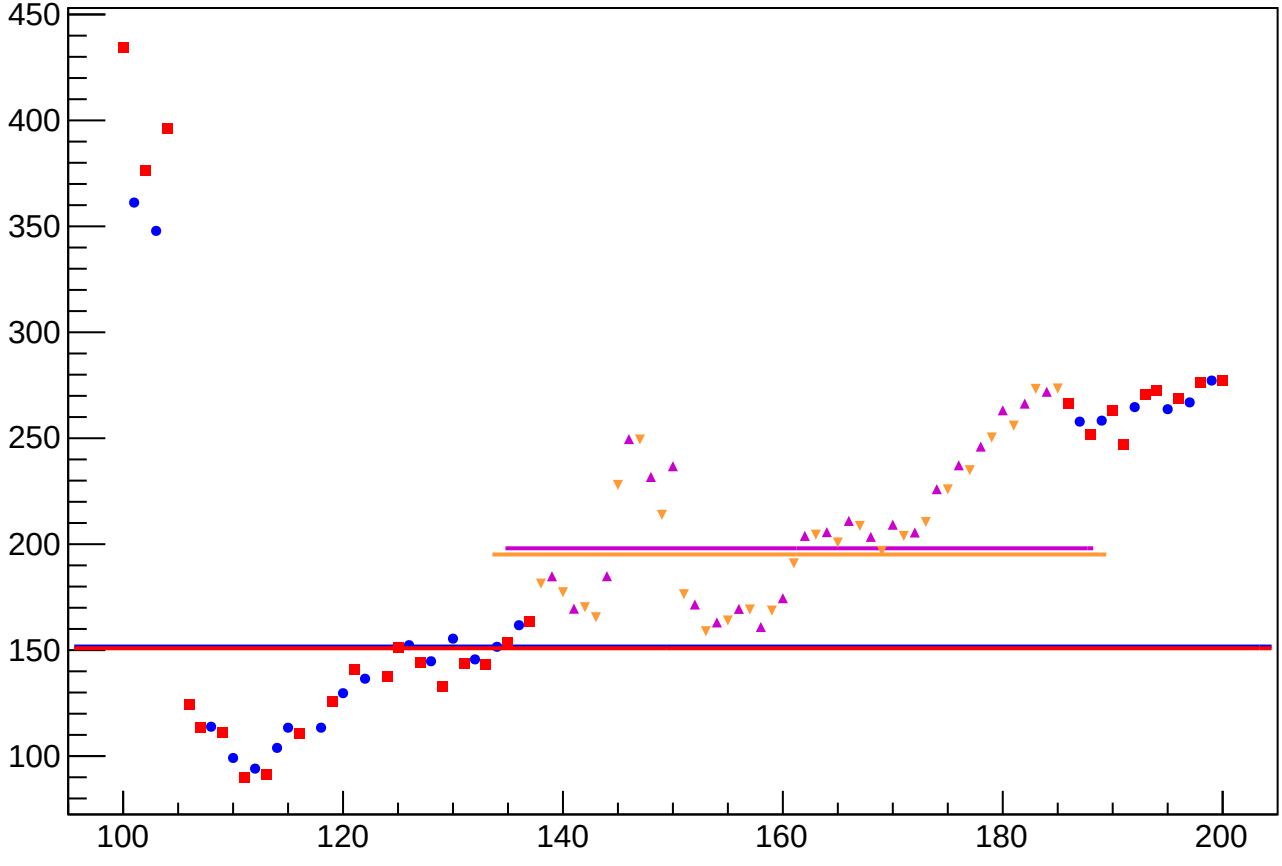
\+ sign 197.812+/-0.026 χ^2/NDF: 4083051.0/46

All: 198.284+/-0.019 χ^2/NDF: 8997656.7/97

\- sign 198.751+/-0.026 χ^2/NDF: 4913965.5/50


yield_bpm0i01aWS_mean vs Slug
×10^3
154
152
150
148
146
144
142
140
100
120
140
160
180
200
Right In: 144812.328+/-0.049 χ²/NDF: 5987362687.3/21
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 145064.892+/-0.045 χ²/NDF: 7928272535.1/27
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
+ sign 146454.889+/-0.033 χ²/NDF: 8764073576.7
All: 146397.287+/-0.023 χ²/NDF: 18599443
- sign 146341.785+/-0.033 χ²/NDF: 9829469903.9/

yield_bpm0i01aWS_rms vs Slug



Right In: 151.696+/-0.035 χ^2/NDF: 3234180.1/21

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

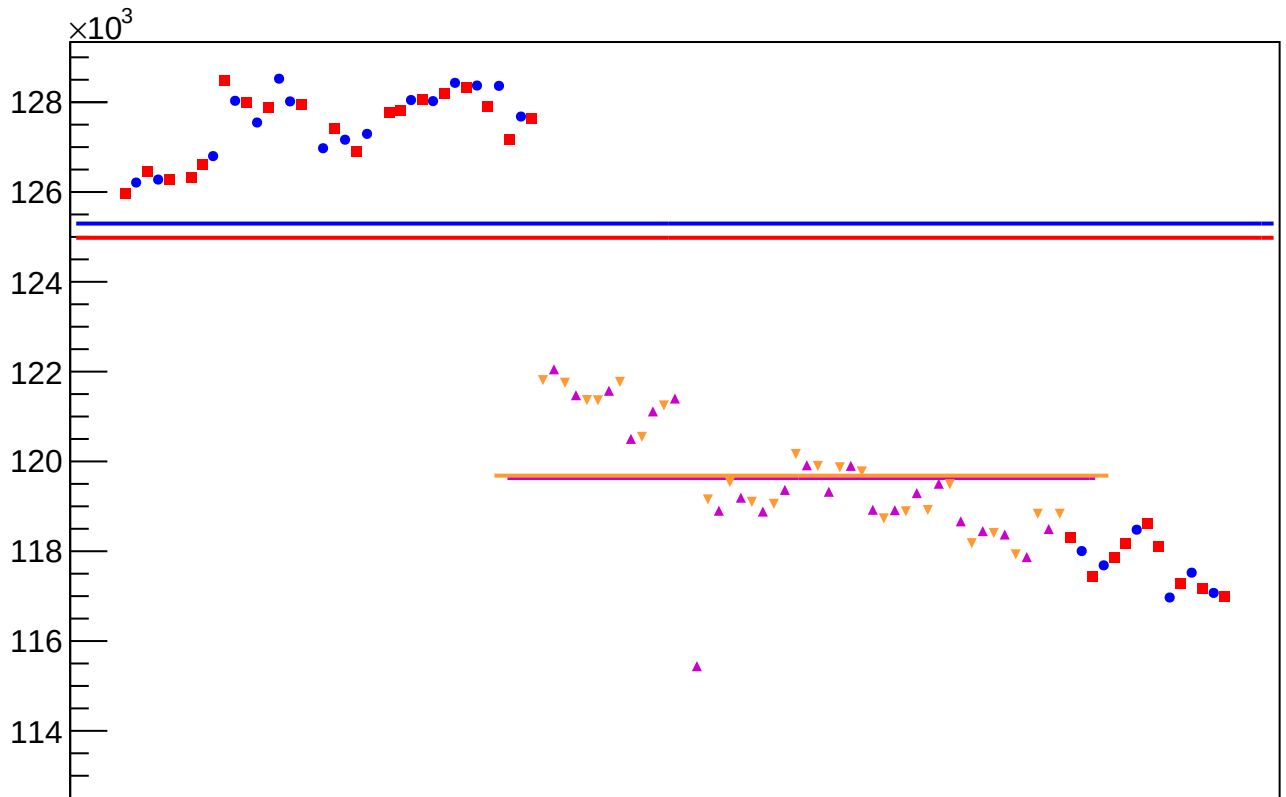
Right Out: 150.878+/-0.032 χ^2/NDF: 4376489.3/27

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 175.251+/-0.023 χ^2/NDF: 4986969.9/46

All: 174.321+/-0.016 χ^2/NDF: 11310888.5/97

- sign 173.425+/-0.023 χ^2/NDF: 6320842.4/50



Right In: 125297.529+/-0.051 χ^2/NDF: 7290851031.8/21

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124980.969+/-0.047 χ^2/NDF: 9366756911.1/27

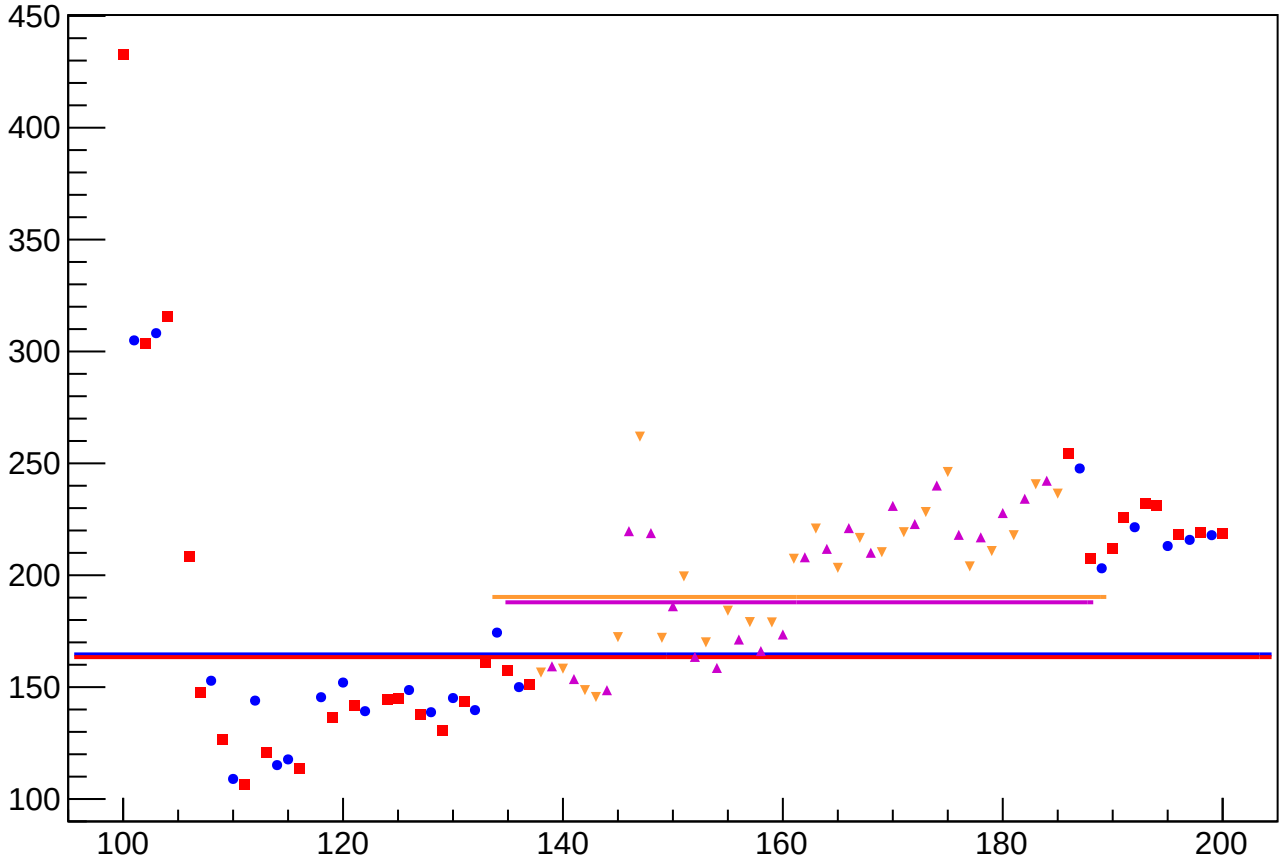
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122094.727+/-0.033 χ^2/NDF: 16185603160.

All: 122147.802+/-0.023 χ^2/NDF: 33665402

- sign 122197.778+/-0.032 χ^2/NDF: 17474906199.6

yield_bpm0l01WS_rms vs Slug



Right In: 164.620+/-0.036 χ^2/NDF: 1473776.5/21

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

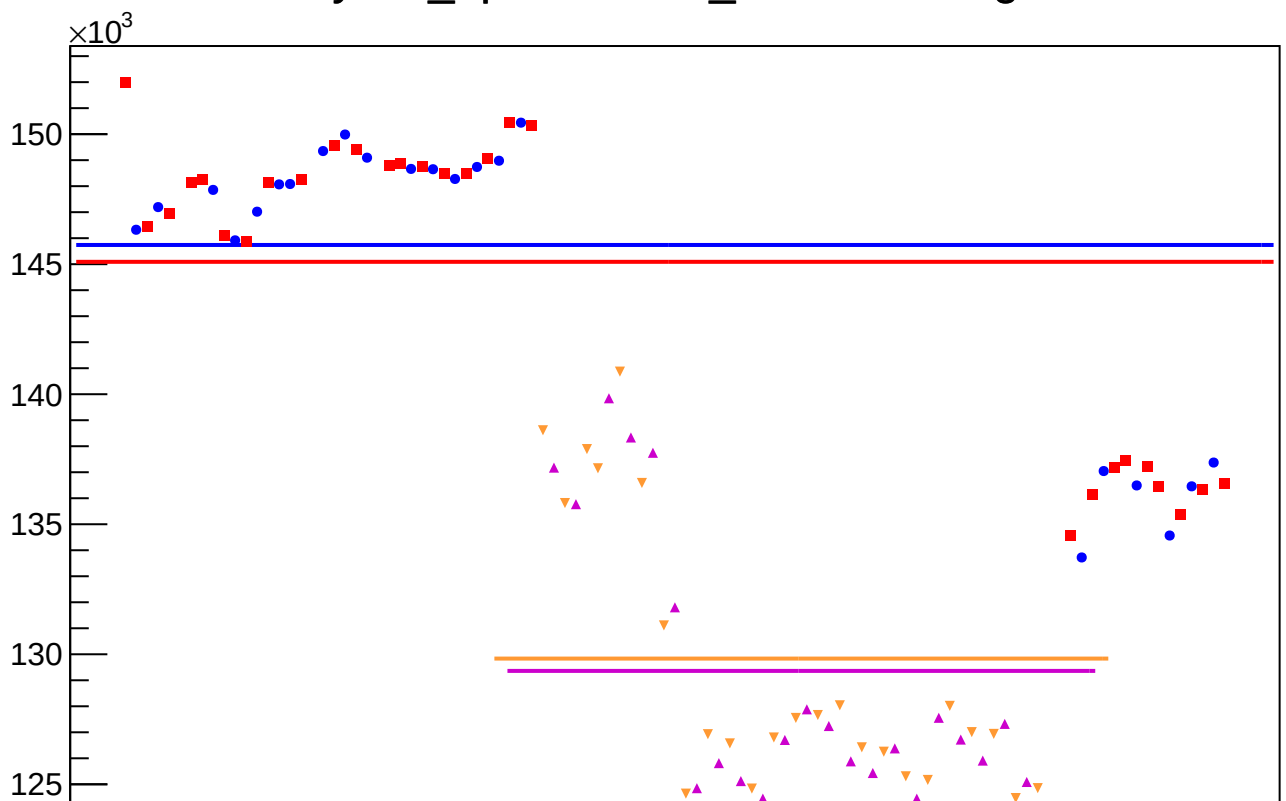
Right Out: 163.406+/-0.033 χ^2/NDF: 2192526.8/27

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 179.269+/-0.024 χ^2/NDF: 2687385.4/46

All: 177.663+/-0.016 χ^2/NDF: 6099659.0/97

- sign 176.150+/-0.023 χ^2/NDF: 3403307.5/50



Right In: 145739.011+/-0.072 χ^2/NDF: 5375497612.5/21

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145090.839+/-0.066 χ^2/NDF: 6844910815.9/27

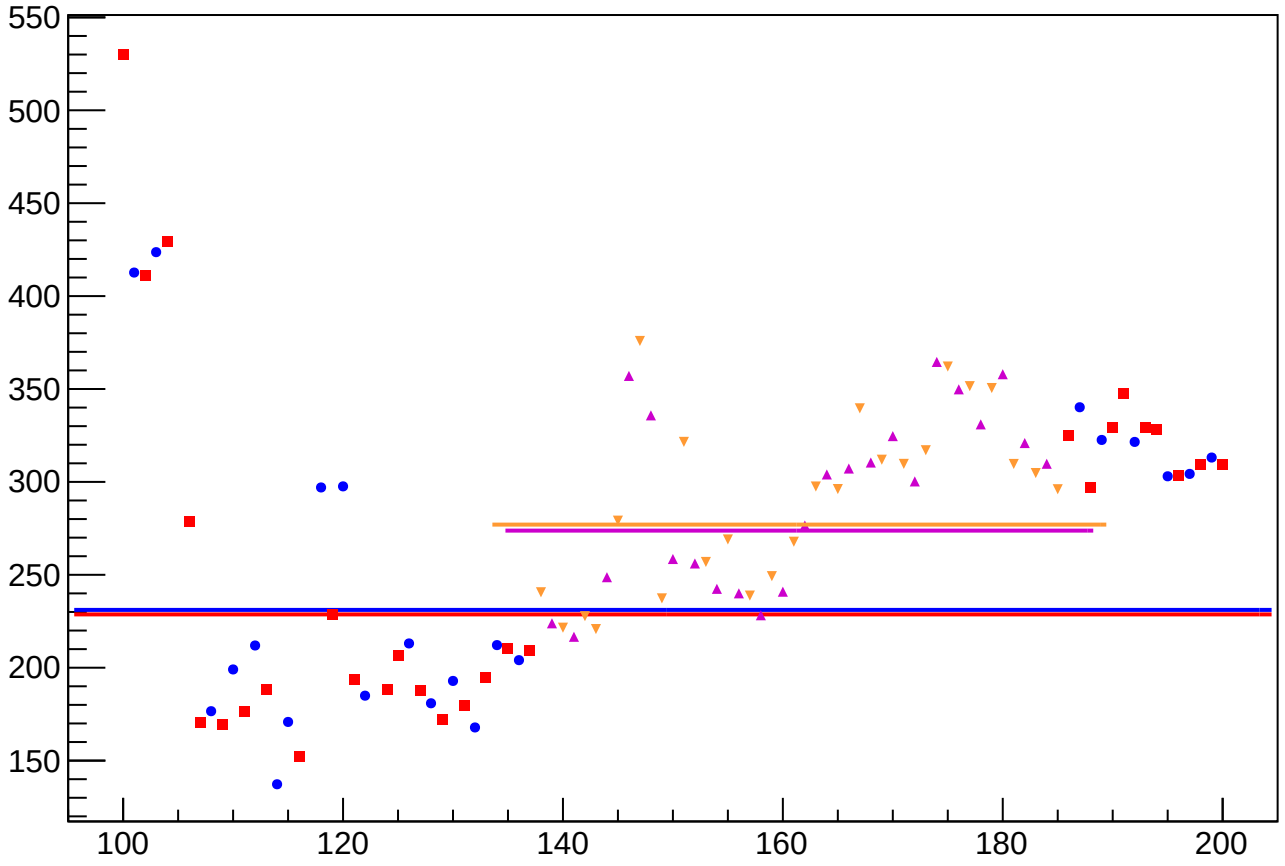
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136871.540+/-0.048 χ^2/NDF: 39324889887.

All: 137037.974+/-0.033 χ^2/NDF: 816676583

- sign 137193.284+/-0.046 χ^2/NDF: 42319464861.7

yield_bpm0l02WS_rms vs Slug



Right In: 231.114+/-0.051 χ^2/NDF: 1736348.5/21

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

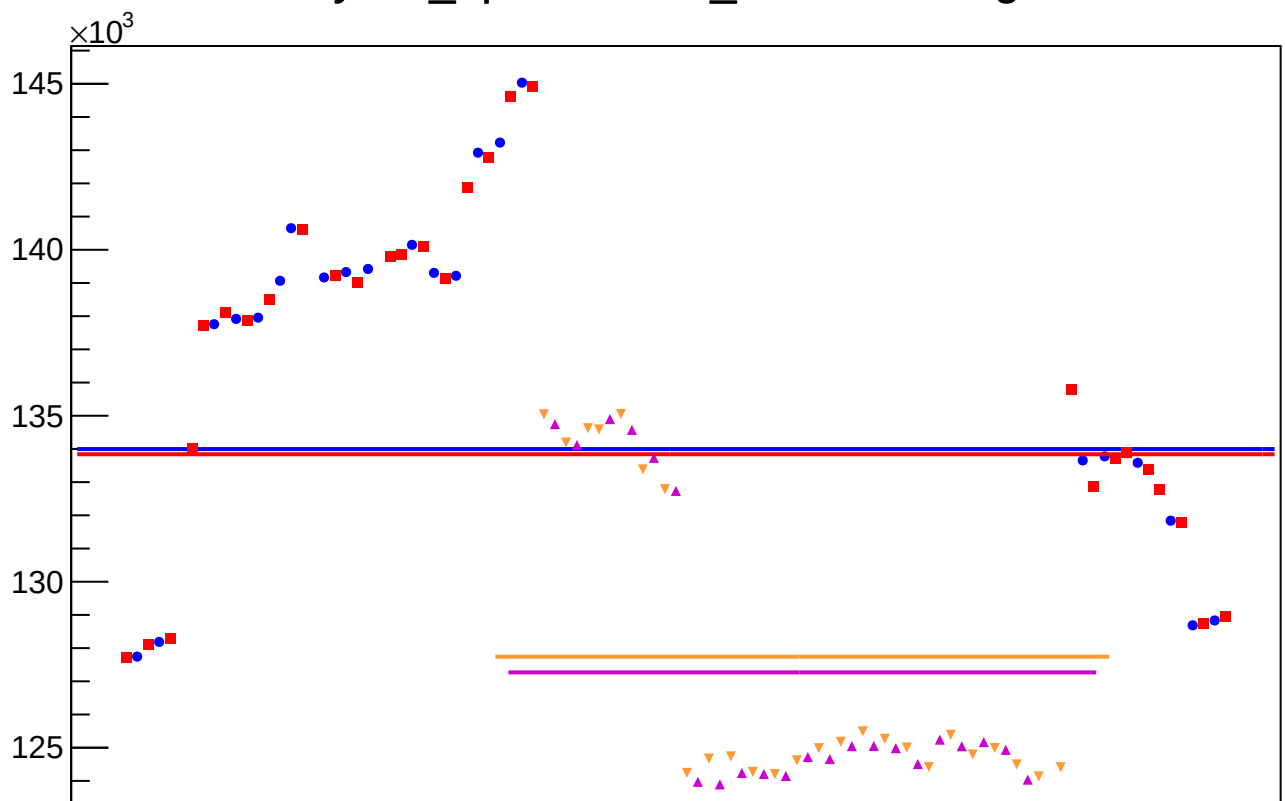
Right Out: 228.690+/-0.046 χ^2/NDF: 2166477.8/27

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 256.709+/-0.034 χ^2/NDF: 3135437.6/46

All: 253.927+/-0.024 χ^2/NDF: 6793013.6/97

- sign 251.330+/-0.033 χ^2/NDF: 3644549.1/50



Right In: 133996.832+/-0.124 χ^2/NDF: 2159851965.1/21

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133840.320+/-0.118 χ^2/NDF: 1531953182.0/27

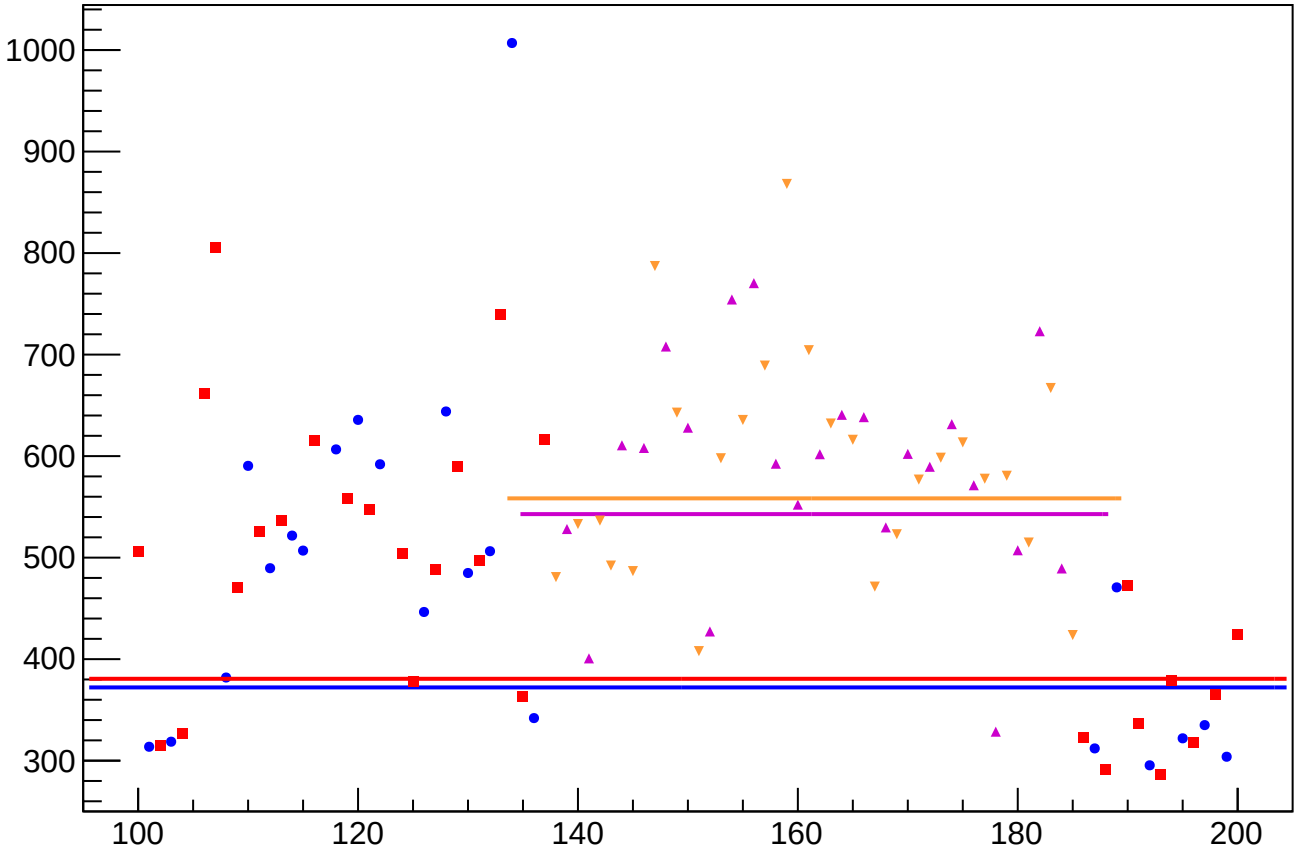
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131158.825+/-0.091 χ^2/NDF: 4415549125.1/

All: 131121.625+/-0.064 χ^2/NDF: 82250942

- sign 131085.704+/-0.090 χ^2/NDF: 3809218942.4/

yield_bpm0l03WS_rms vs Slug



Right In: 372.152+/-0.087 χ^2/NDF: 1419046.6/21

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

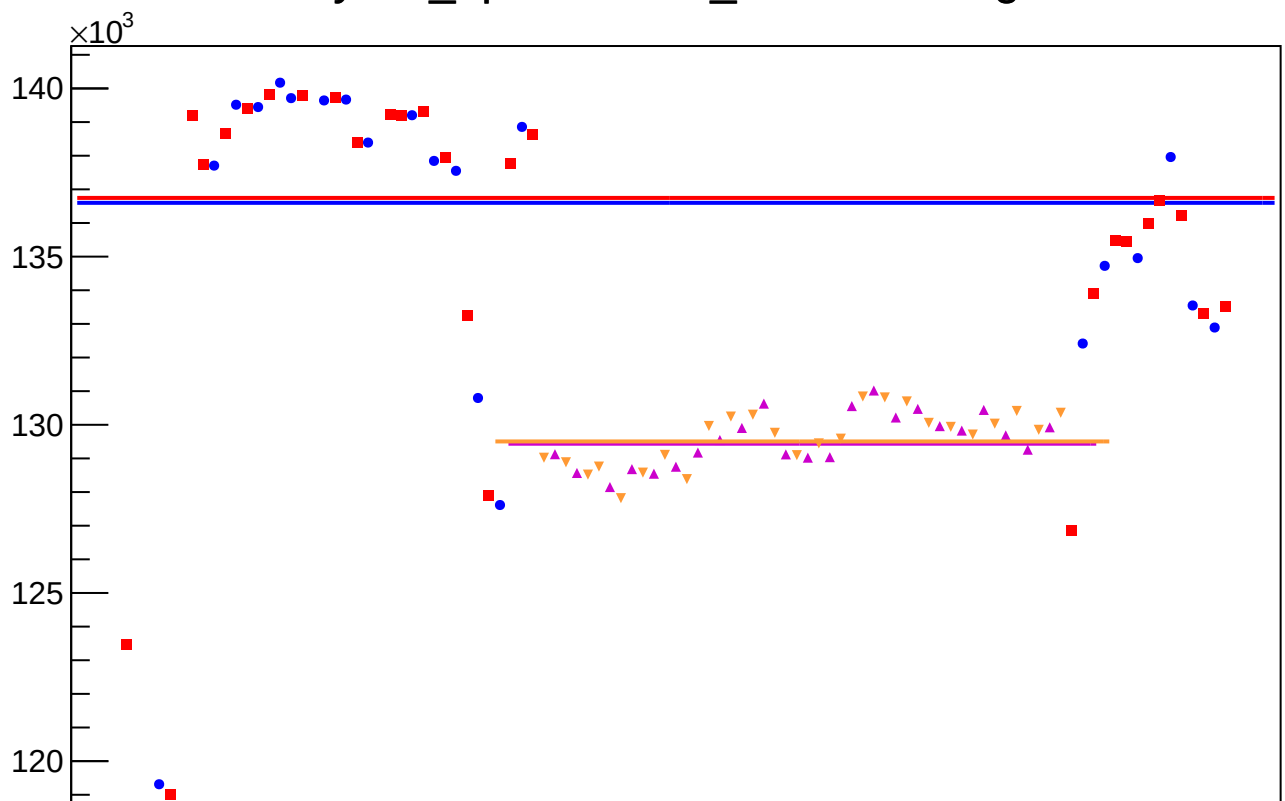
Right Out: 380.652+/-0.083 χ^2/NDF: 1517430.0/27

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 456.635+/-0.065 χ^2/NDF: 4448815.8/46

All: 452.572+/-0.045 χ^2/NDF: 8982077.0/97

- sign 448.648+/-0.063 χ^2/NDF: 4525477.9/50



Right In: 136599.337+/-0.064 χ^2/NDF: 6094425263.4/21

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136745.568+/-0.059 χ^2/NDF: 6458593185.5/27

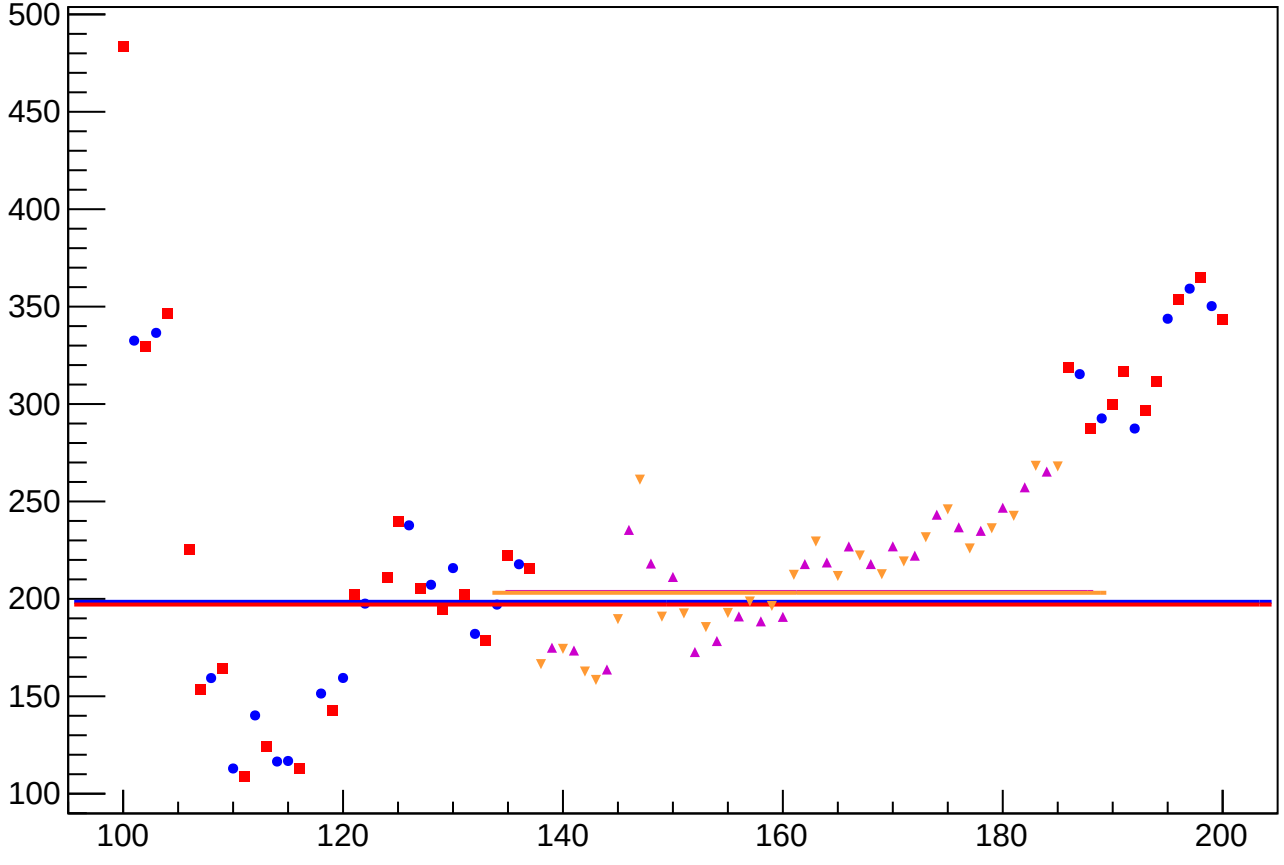
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132005.104+/-0.038 χ^2/NDF: 14424312430.

All: 132208.756+/-0.027 χ^2/NDF: 30461069

- sign 132407.015+/-0.037 χ^2/NDF: 15979534357.

yield_bpm0l04WS_rms vs Slug



Right In: 198.481+/-0.045 χ^2/NDF: 2758362.2/21

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

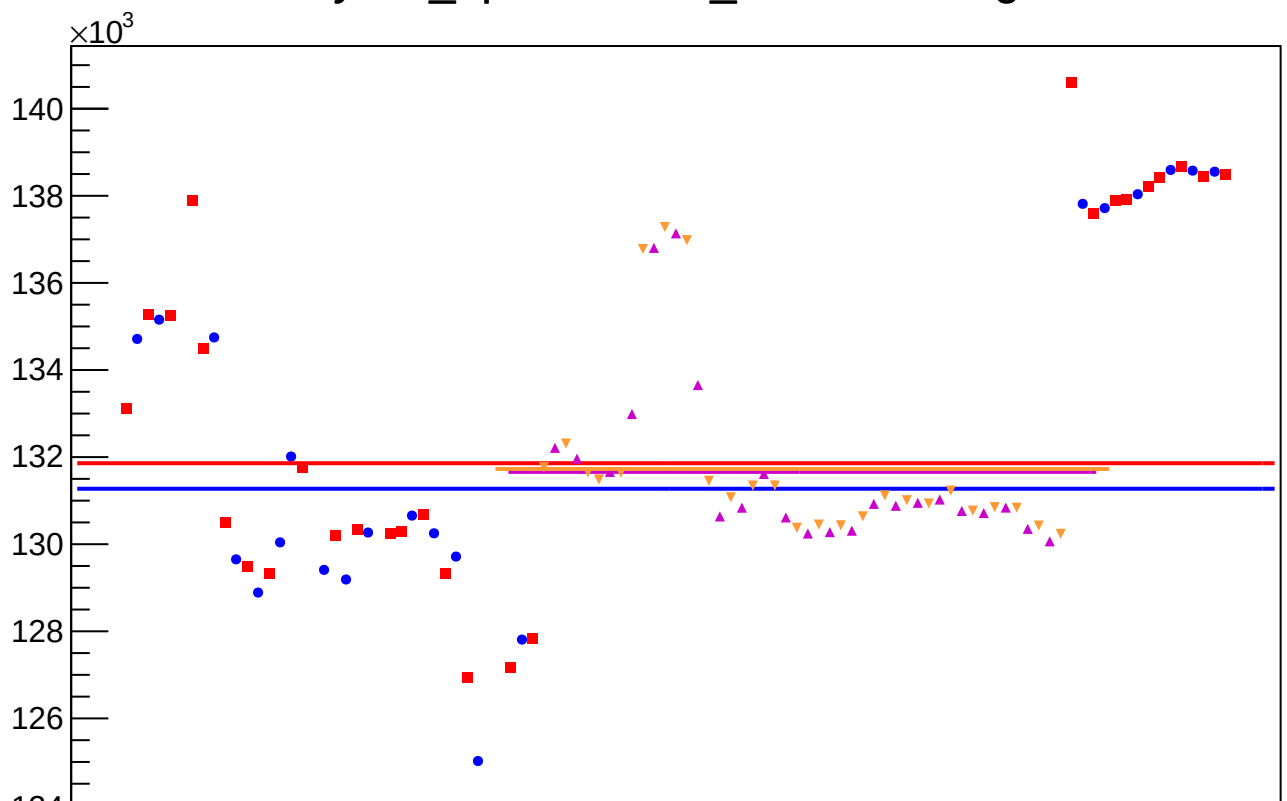
Right Out: 197.085+/-0.041 χ^2/NDF: 3746763.8/27

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 201.491+/-0.027 χ^2/NDF: 3523704.1/46

All: 201.202+/-0.019 χ^2/NDF: 7951206.3/97

- sign 200.921+/-0.026 χ^2/NDF: 4427272.0/50



Right In: 131273.257+/-0.059 χ^2/NDF: 5702257623.1/21

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131859.823+/-0.053 χ^2/NDF: 6734364485.1/27

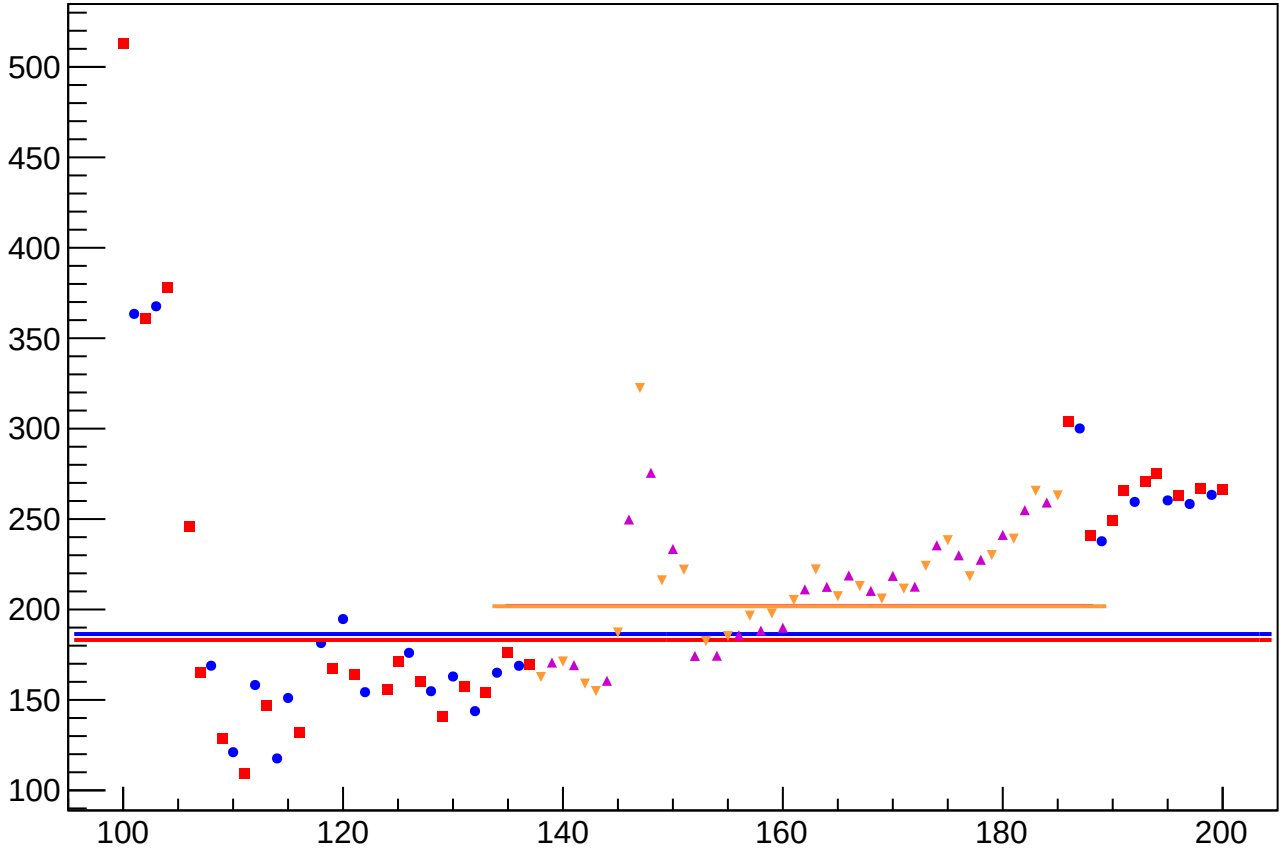
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131549.817+/-0.037 χ^2/NDF: 7163963436.0

All: 131652.245+/-0.026 χ^2/NDF: 15085744

- sign 131750.100+/-0.036 χ^2/NDF: 7906440808.2/

yield_bpm0l05WS_rms vs Slug



Right In: 186.432+/-0.041 χ^2/NDF: 1798791.7/21

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

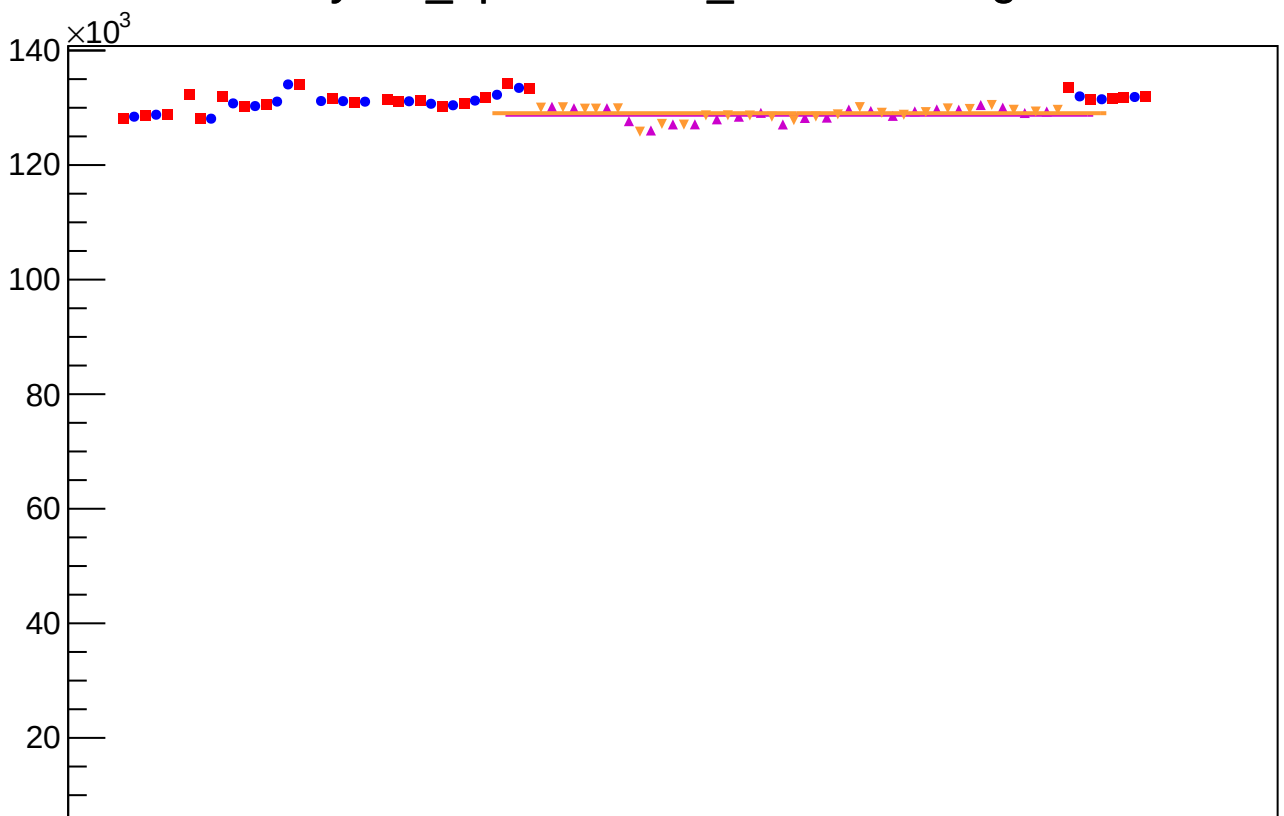
Right Out: 183.163+/-0.038 χ^2/NDF: 2733653.0/27

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 195.796+/-0.026 χ^2/NDF: 2788200.1/46

All: 194.623+/-0.018 χ^2/NDF: 6465260.4/97

- sign 193.503+/-0.025 χ^2/NDF: 3673037.7/50



Right In: 5264.206+/-0.009 χ^2/NDF: 4922945076633.5/21

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 5598.219+/-0.008 χ^2/NDF: 5817694962657.9/27

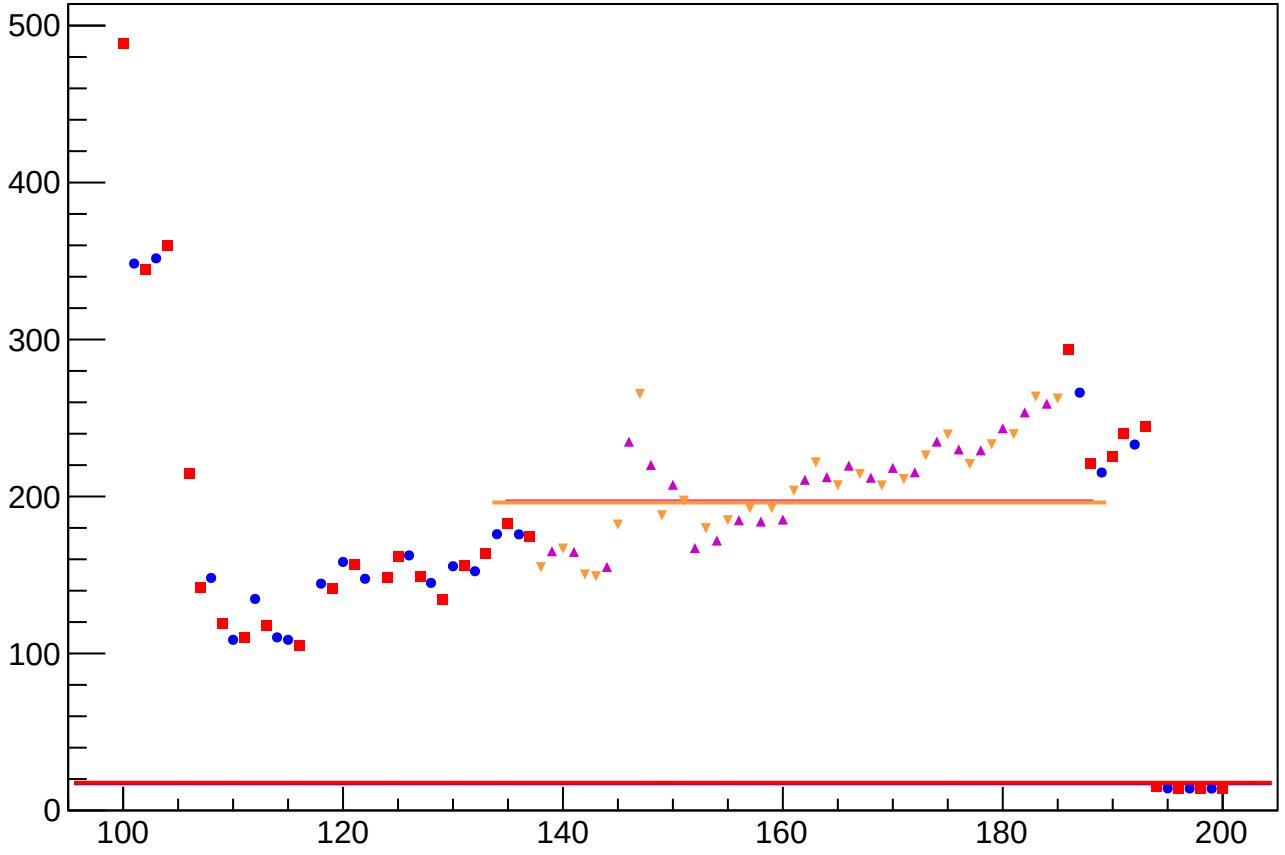
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 9511.949+/-0.008 χ^2/NDF: 1207375884852

All: 9383.663+/-0.006 χ^2/NDF: 2458689373

- sign 9265.387+/-0.008 χ^2/NDF: 12512689474182

yield_bpm0l06WS_rms vs Slug



Right In: 17.290+/-0.006 χ^2/NDF: 14248995.1/21

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

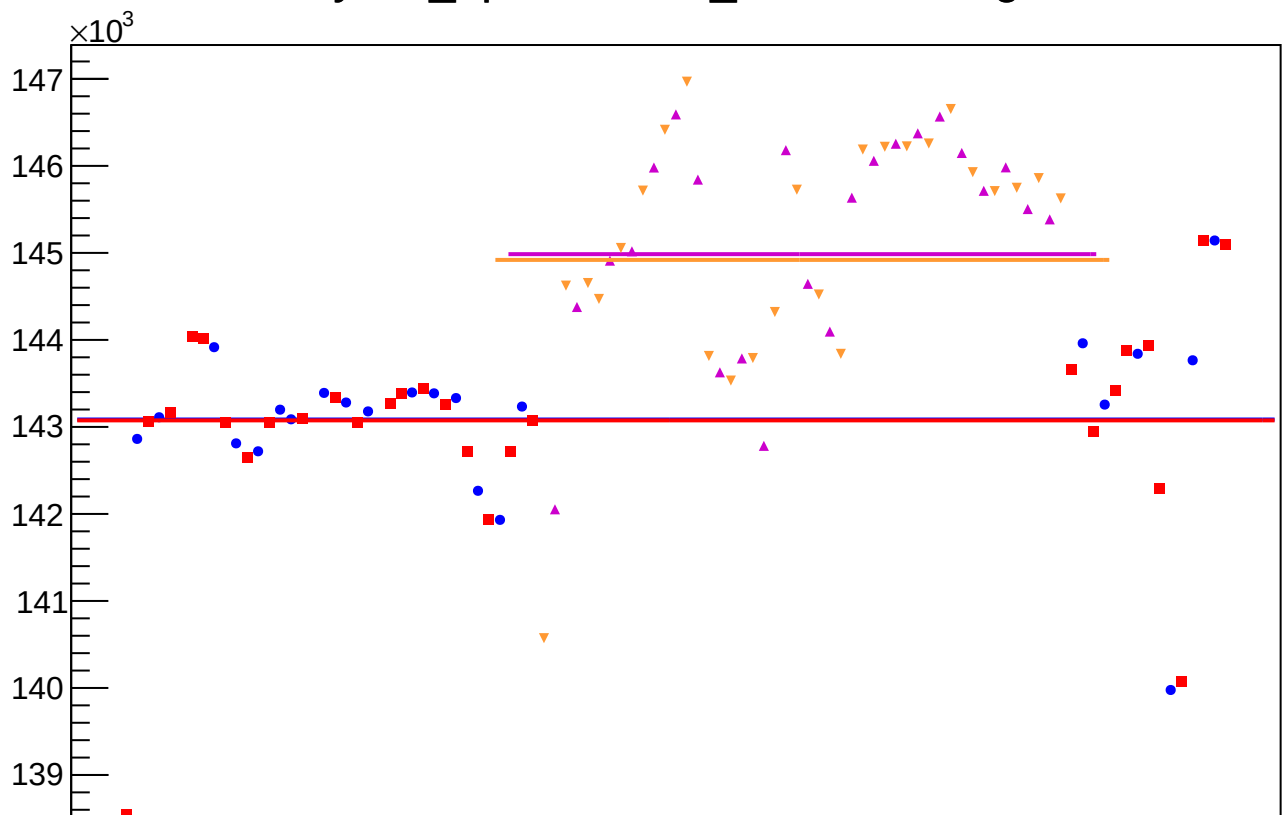
Right Out: 17.645+/-0.006 χ^2/NDF: 16295737.5/27

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

\+ sign 23.429+/-0.006 χ^2/NDF: 45045727.3/46

All: 23.195+/-0.004 χ^2/NDF: 90448998.8/97

\- sign 22.979+/-0.006 χ^2/NDF: 45400304.7/50



Right In: 143085.201+/-0.060 χ^2/NDF: 172288936.2/21

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143075.241+/-0.055 χ^2/NDF: 180366836.4/27

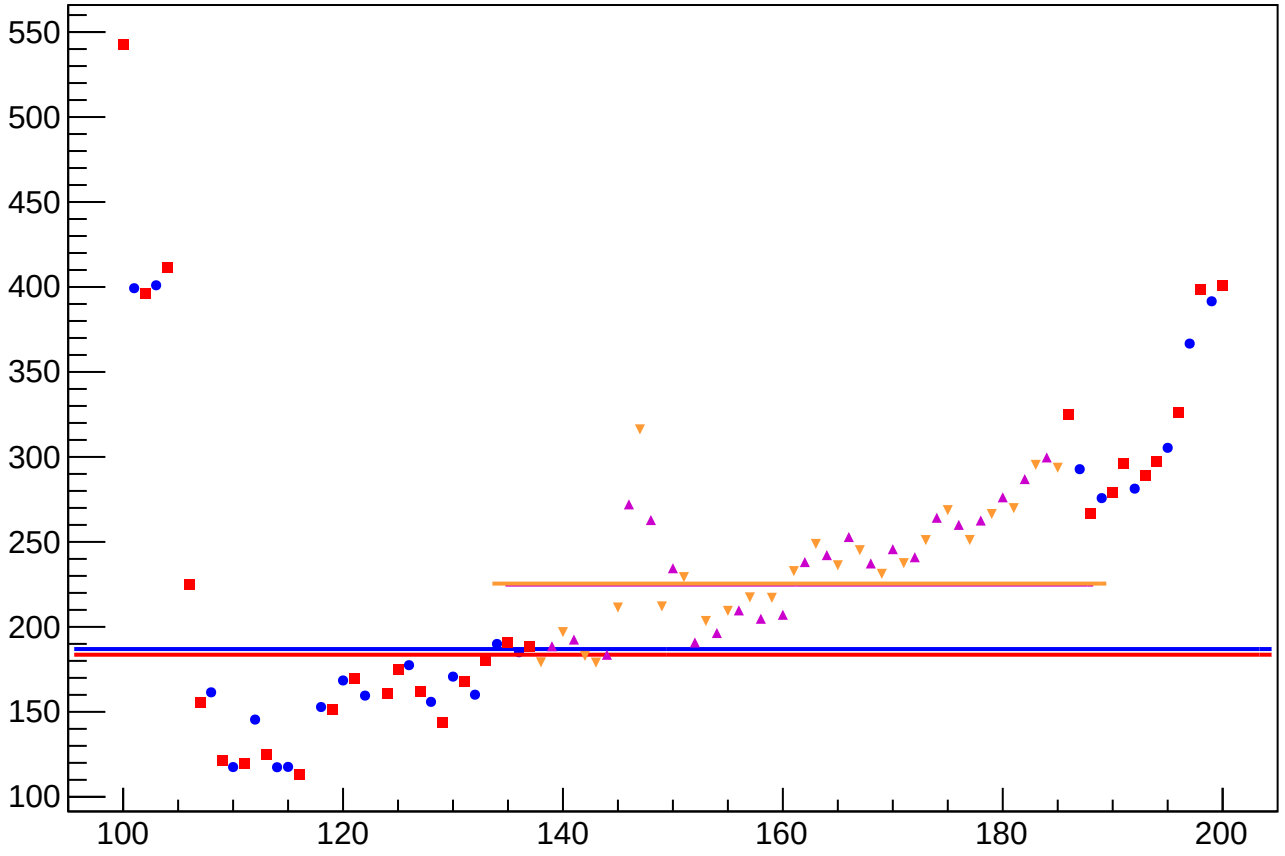
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144127.420+/-0.039 χ^2/NDF: 1540334605.1

All: 144088.196+/-0.027 χ^2/NDF: 29633836

- sign 144051.094+/-0.038 χ^2/NDF: 1421117622.2/

yield_bpm0l07WS_rms vs Slug



Right In: 186.966+/-0.042 χ^2/NDF: 2892166.9/21

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 183.628+/-0.039 χ^2/NDF: 4095010.1/27

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 208.848+/-0.028 χ^2/NDF: 4137079.7/46

All: 206.714+/-0.019 χ^2/NDF: 9547079.6/97

- sign 204.695+/-0.027 χ^2/NDF: 5398559.9/50

Right In: -364.584+/-0.005 χ^2/NDF: 5352302076832.2/21

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -353.090+/-0.004 χ^2/NDF: 6439769047657.5/27

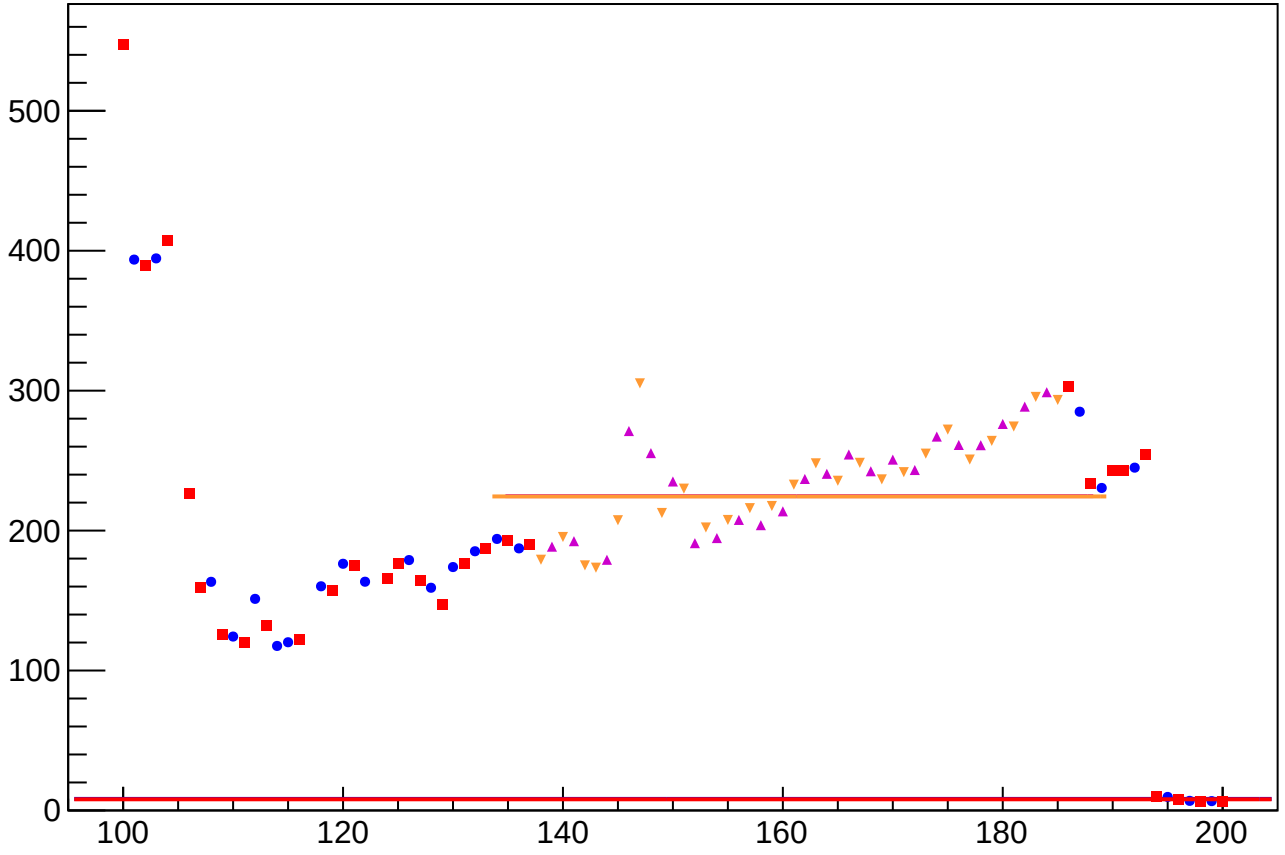
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 775.832+/-0.005 χ^2/NDF: 13215599241348.

All: 653.988+/-0.003 χ^2/NDF: 270830956752

- sign 551.490+/-0.004 χ^2/NDF: 13866199128542.9

yield_bpm0l08WS_rms vs Slug



Right In: 8.248+/-0.003 χ^2/NDF: 15961859.7/21

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

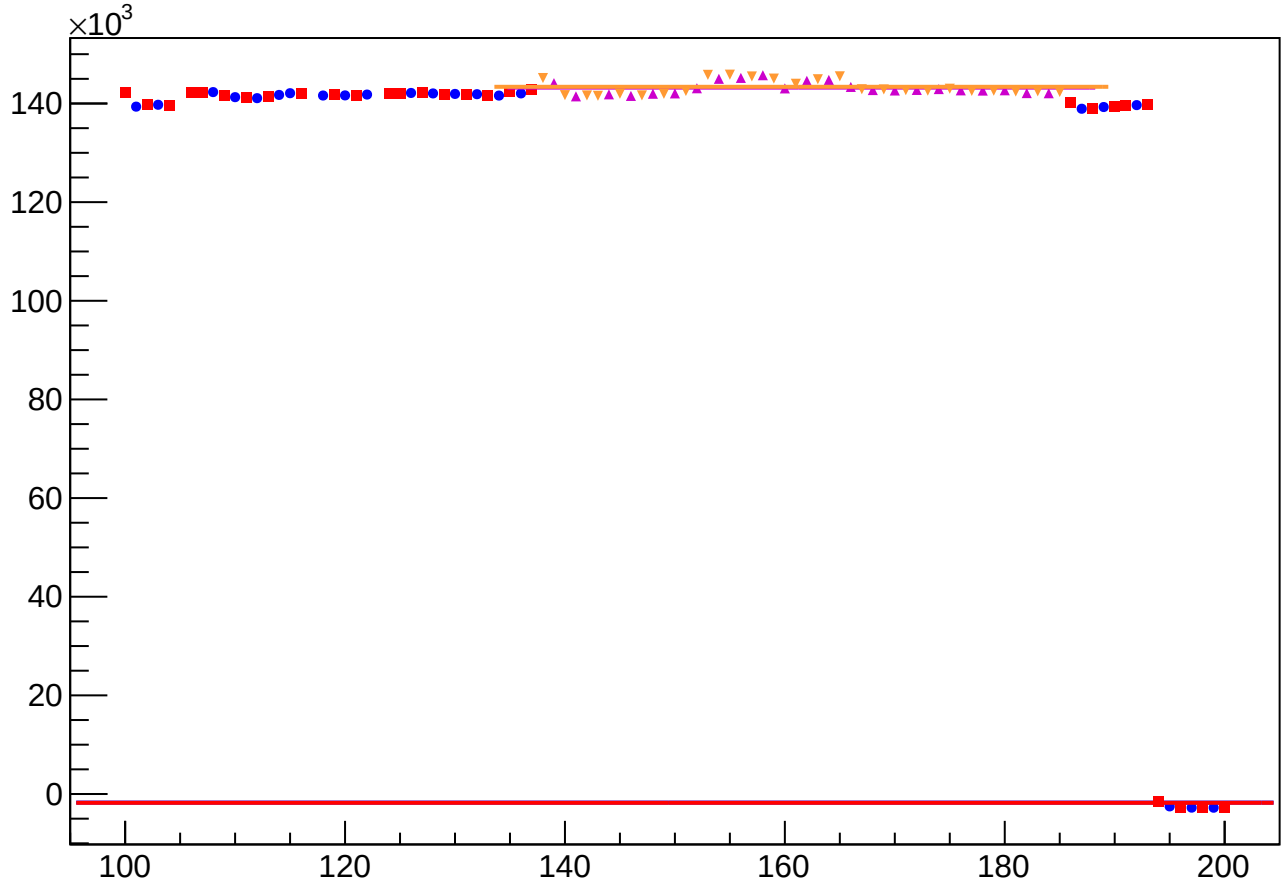
Right Out: 7.983+/-0.003 χ^2/NDF: 18319283.1/27

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 9.931+/-0.003 χ^2/NDF: 51089191.4/46

All: 9.600+/-0.002 χ^2/NDF: 102710787.5/97

- sign 9.322+/-0.003 χ^2/NDF: 51602433.0/50



Right In: -1739.955+/-0.005 χ^2/NDF: 4936663484284.7/21

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -1781.773+/-0.005 χ^2/NDF: 5805903183743.4/27

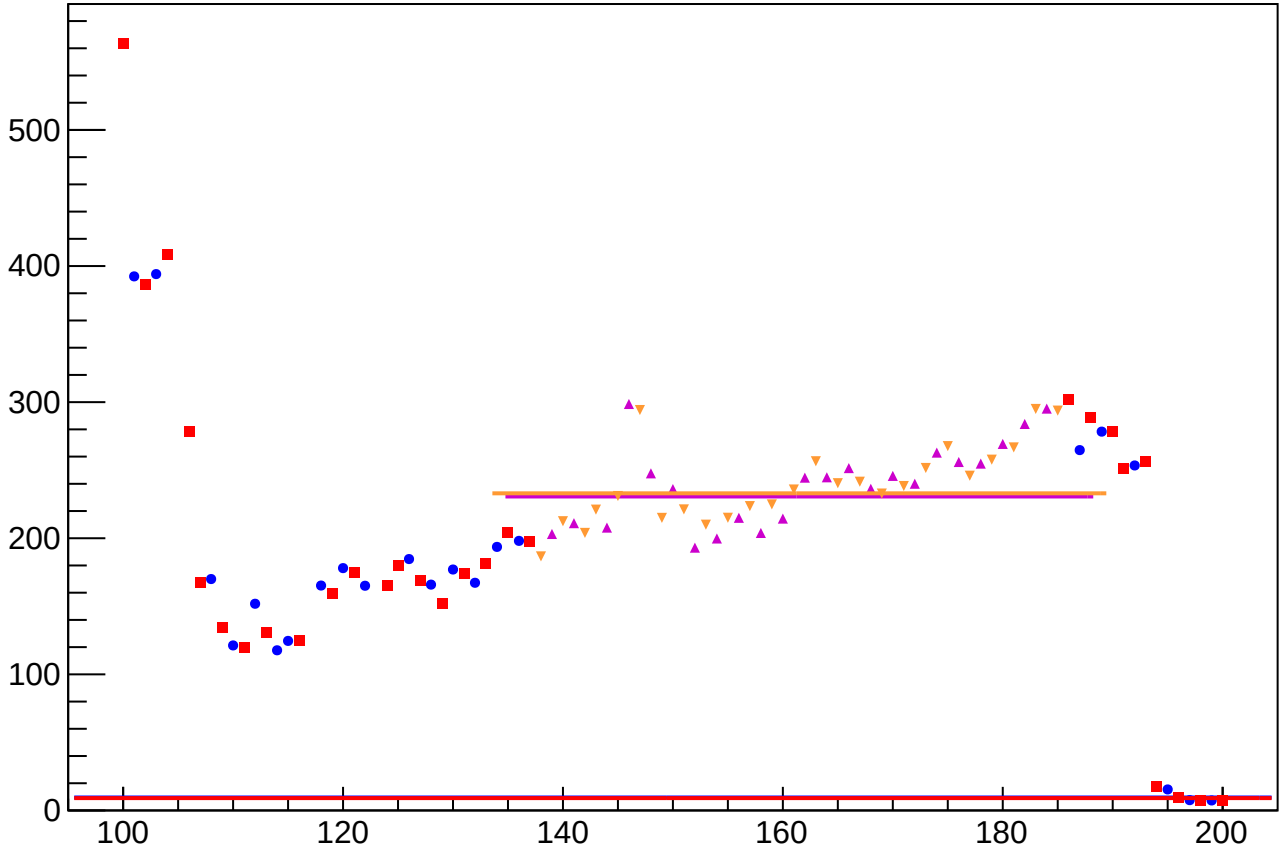
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -290.508+/-0.005 χ^2/NDF: 12172584753121

All: -493.465+/-0.004 χ^2/NDF: 2492140714

- sign -657.780+/-0.005 χ^2/NDF: 12746232699754.

yield_bpm0l09WS_rms vs Slug



Right In: 9.511+/-0.004 χ^2/NDF: 16055457.3/21

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

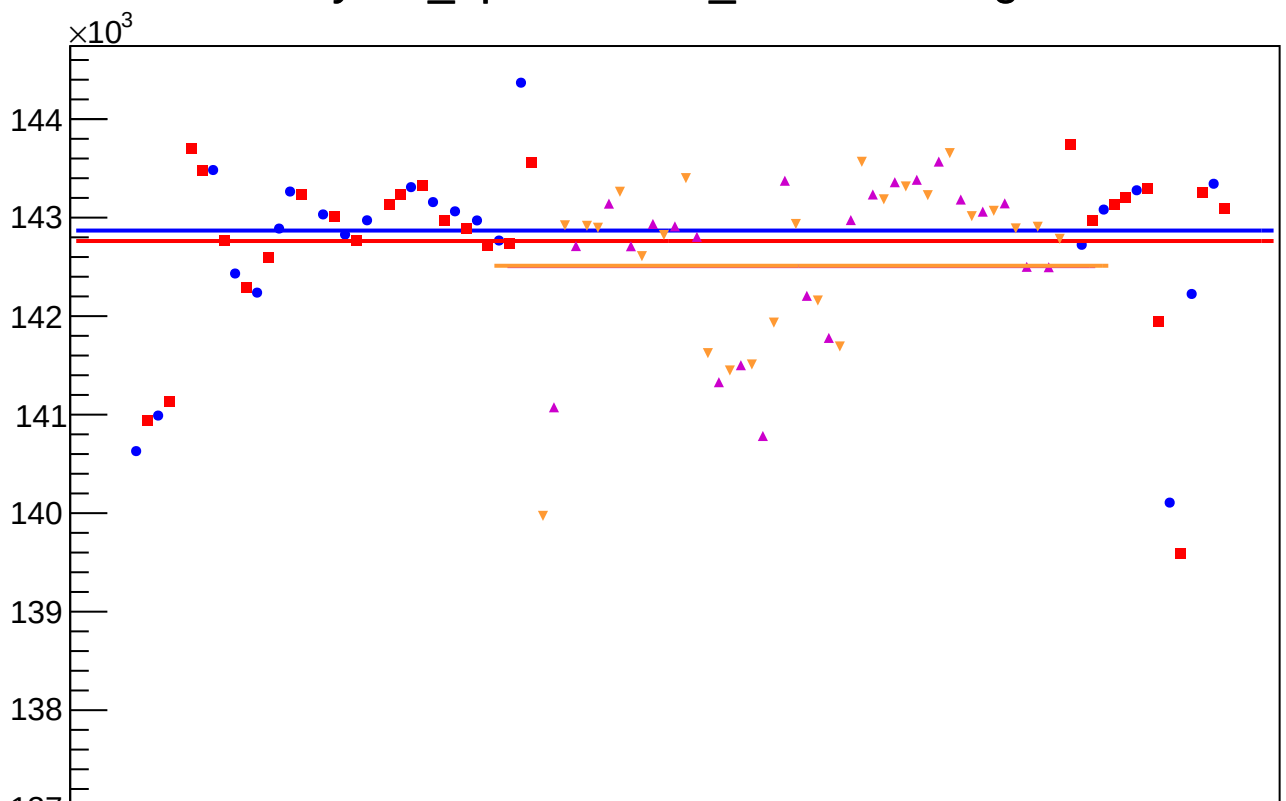
Right Out: 9.073+/-0.003 χ^2/NDF: 18321381.6/27

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 11.743+/-0.004 χ^2/NDF: 50819505.6/46

All: 11.217+/-0.003 χ^2/NDF: 102109304.3/97

- sign 10.791+/-0.003 χ^2/NDF: 51255023.8/50



Right In: 142868.720+/-0.063 χ^2/NDF: 199556424.4/21

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142762.553+/-0.057 χ^2/NDF: 160751606.9/27

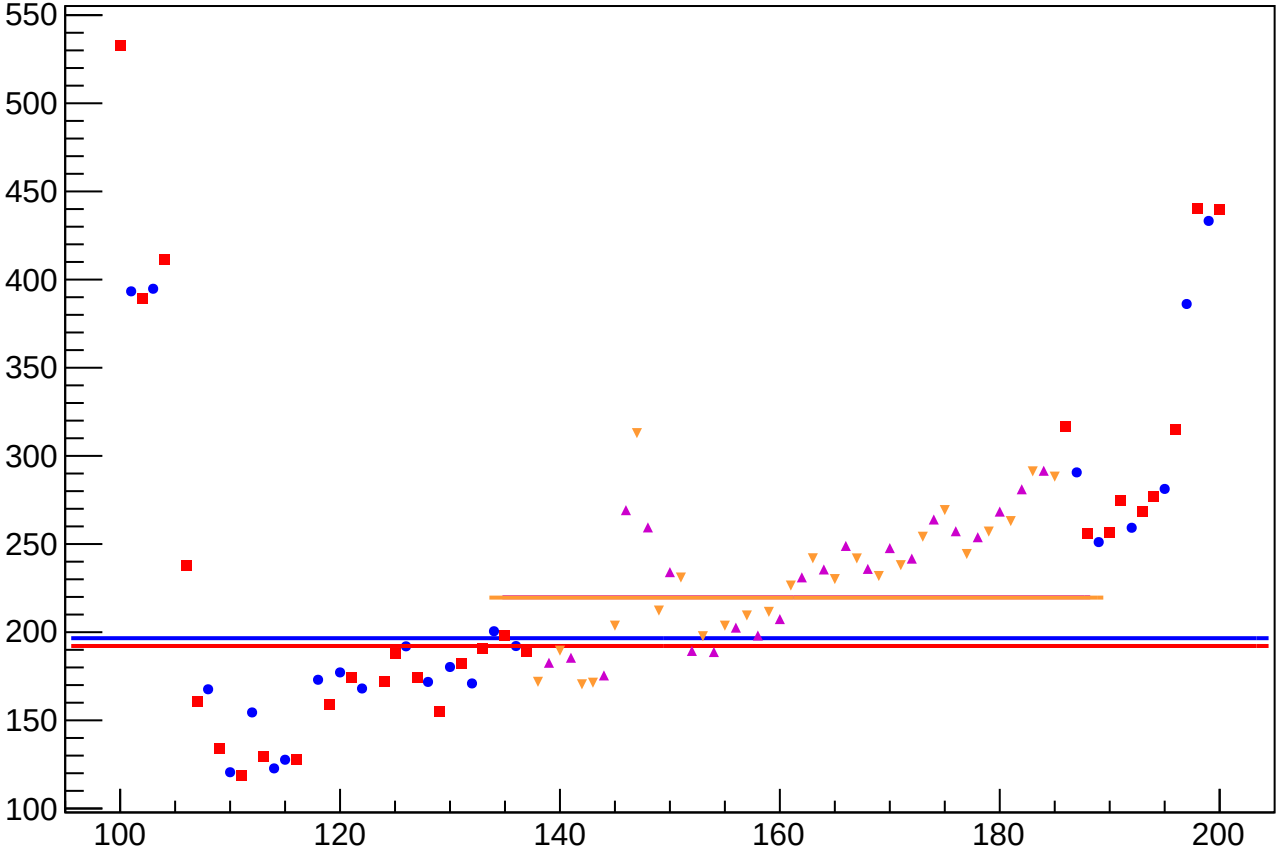
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142653.657+/-0.039 χ^2/NDF: 557267280.6/4

All: 142638.860+/-0.028 χ^2/NDF: 9984503

- sign 142624.781+/-0.039 χ^2/NDF: 440909030.8/5

yield_bpm0l10WS_rms vs Slug



Right In: 196.598+/-0.044 χ^2/NDF: 2532382.1/21

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

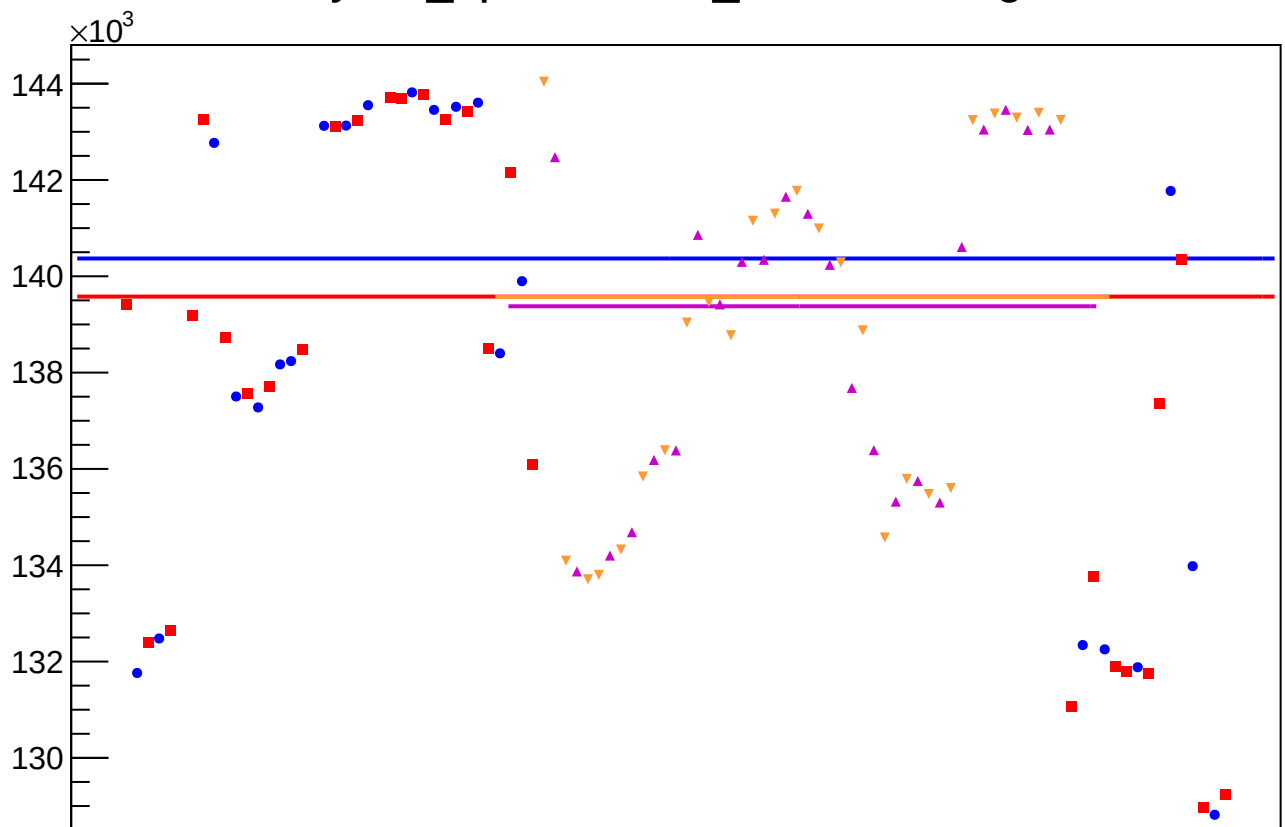
Right Out: 192.173+/-0.040 χ^2/NDF: 3641800.6/27

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 210.452+/-0.028 χ^2/NDF: 3597281.8/46

All: 208.738+/-0.019 χ^2/NDF: 8307744.3/97

- sign 207.107+/-0.027 χ^2/NDF: 4703106.7/50



Right In: 140369.428+/-0.089 χ^2/NDF: 2267598648.8/21

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139578.656+/-0.087 χ^2/NDF: 2664517568.5/27

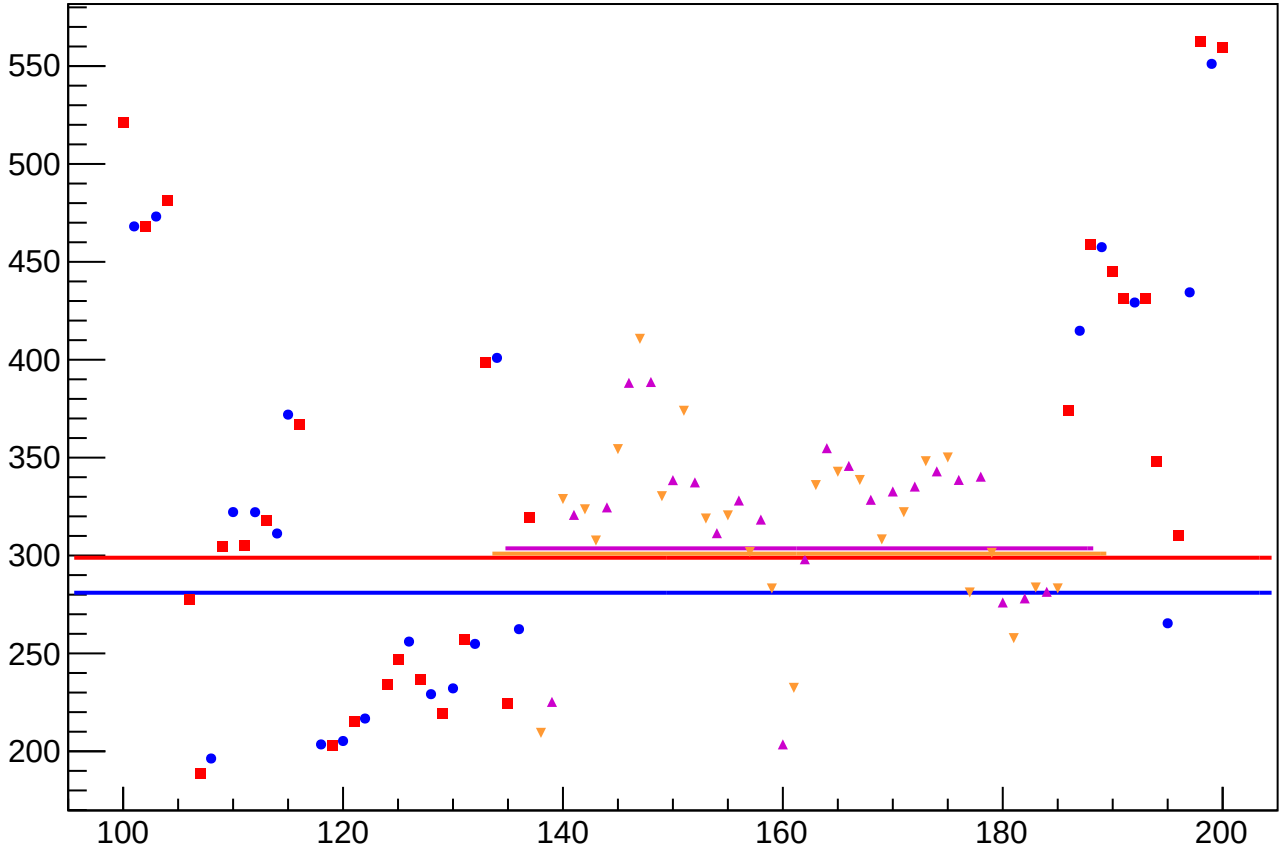
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139874.854+/-0.055 χ^2/NDF: 4904219114.5

All: 139670.887+/-0.039 χ^2/NDF: 95211989

- sign 139460.762+/-0.056 χ^2/NDF: 4589095133.4/

yield_bpm0r03WS_rms vs Slug



Right In: 280.985+/-0.063 χ^2/NDF: 2126393.0/21

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

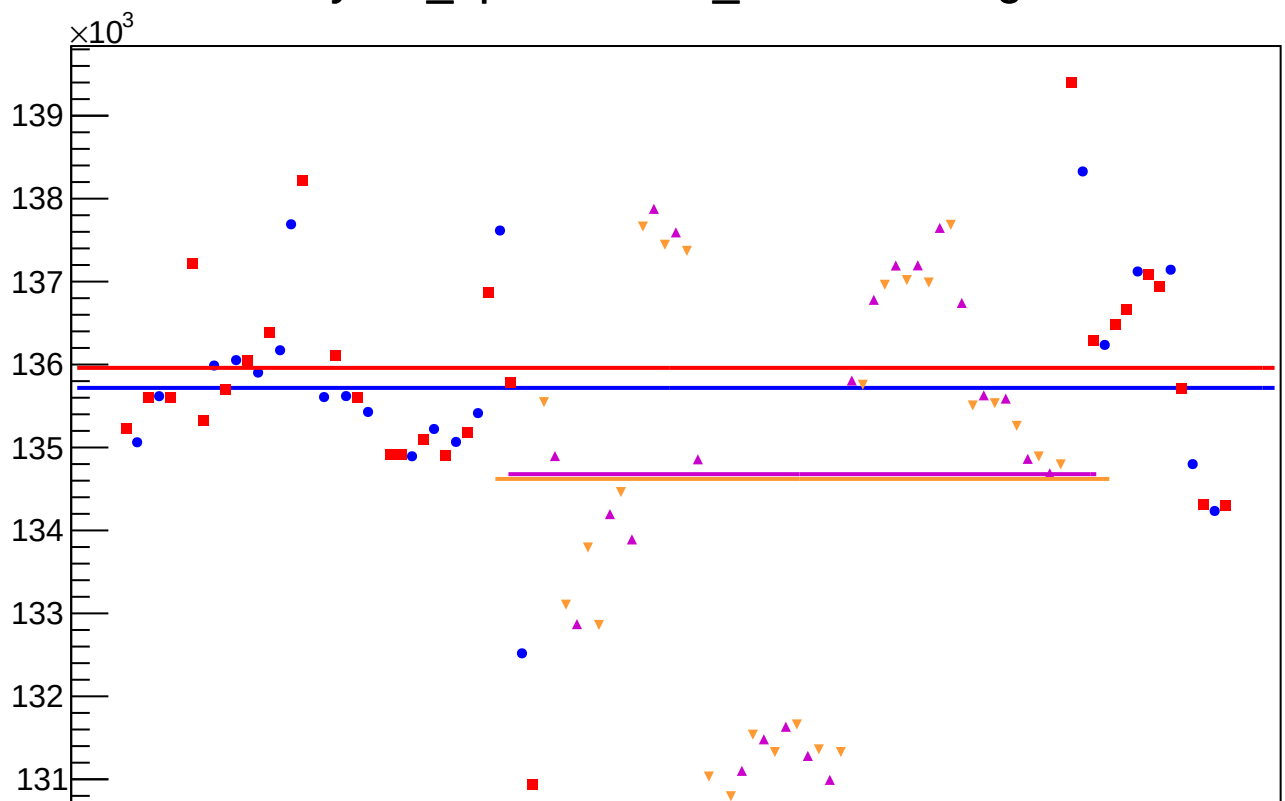
Right Out: 298.871+/-0.061 χ^2/NDF: 2596843.2/27

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 293.326+/-0.039 χ^2/NDF: 3065524.5/46

All: 297.440+/-0.028 χ^2/NDF: 6664871.1/97

- sign 301.678+/-0.039 χ^2/NDF: 3576659.3/50



Right In: 135718.433+/-0.089 χ^2/NDF: 191631754.5/21

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135960.047+/-0.078 χ^2/NDF: 229107904.4/27

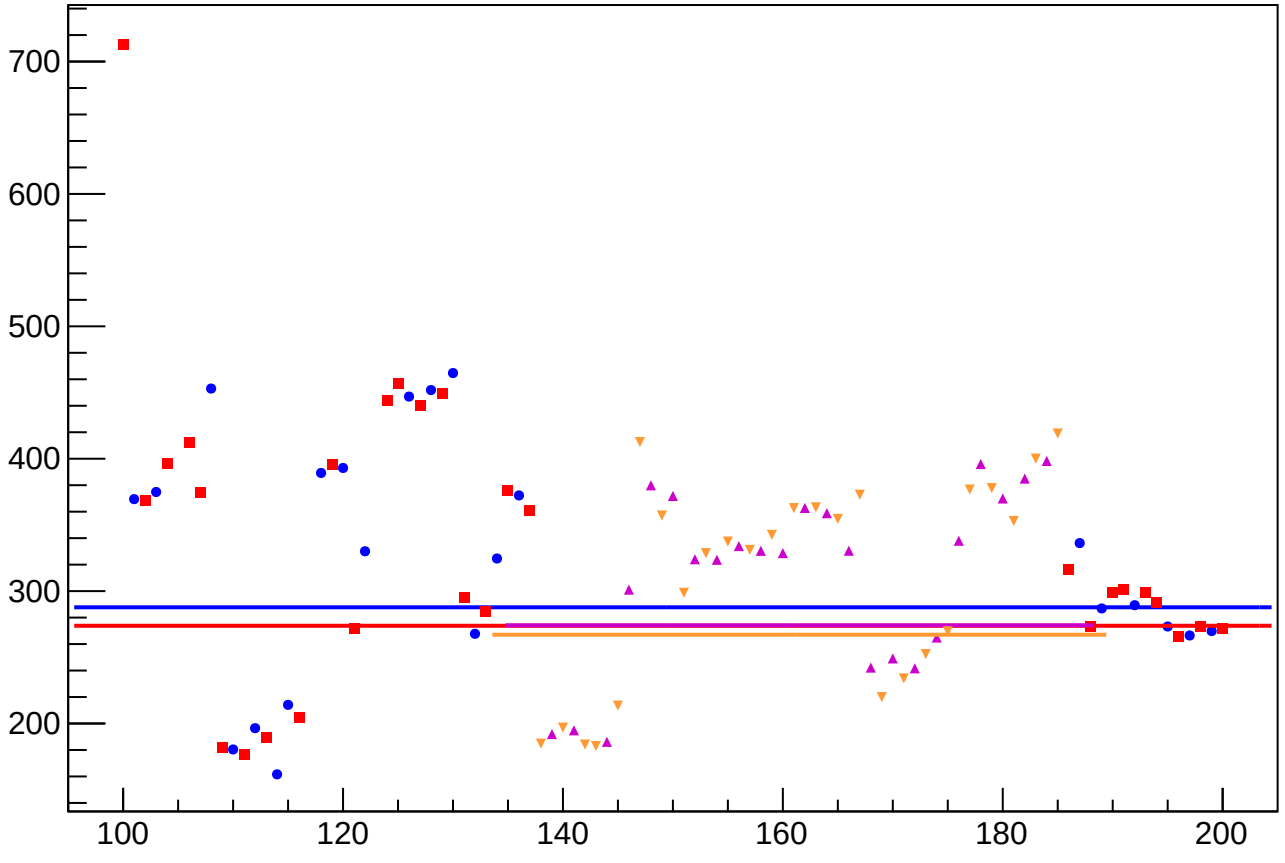
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134993.720+/-0.052 χ^2/NDF: 1493820887.7

All: 135110.924+/-0.036 χ^2/NDF: 29852793

- sign 135223.325+/-0.051 χ^2/NDF: 1481426623.0/

yield_bpm0r05WS_rms vs Slug



Right In: 287.776+/-0.063 χ^2/NDF: 1482088.3/21

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

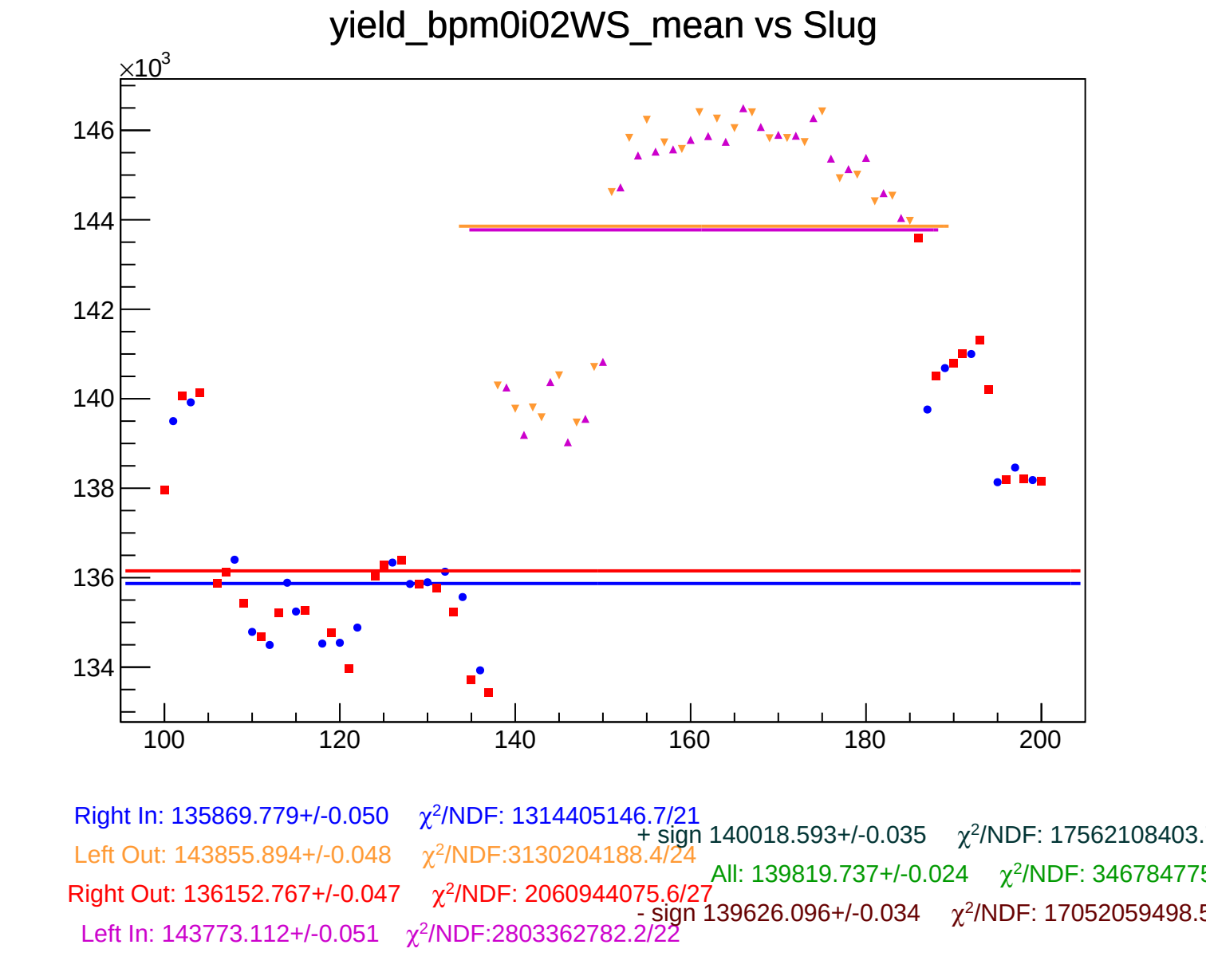
Right Out: 273.820+/-0.055 χ^2/NDF: 1728846.8/27

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

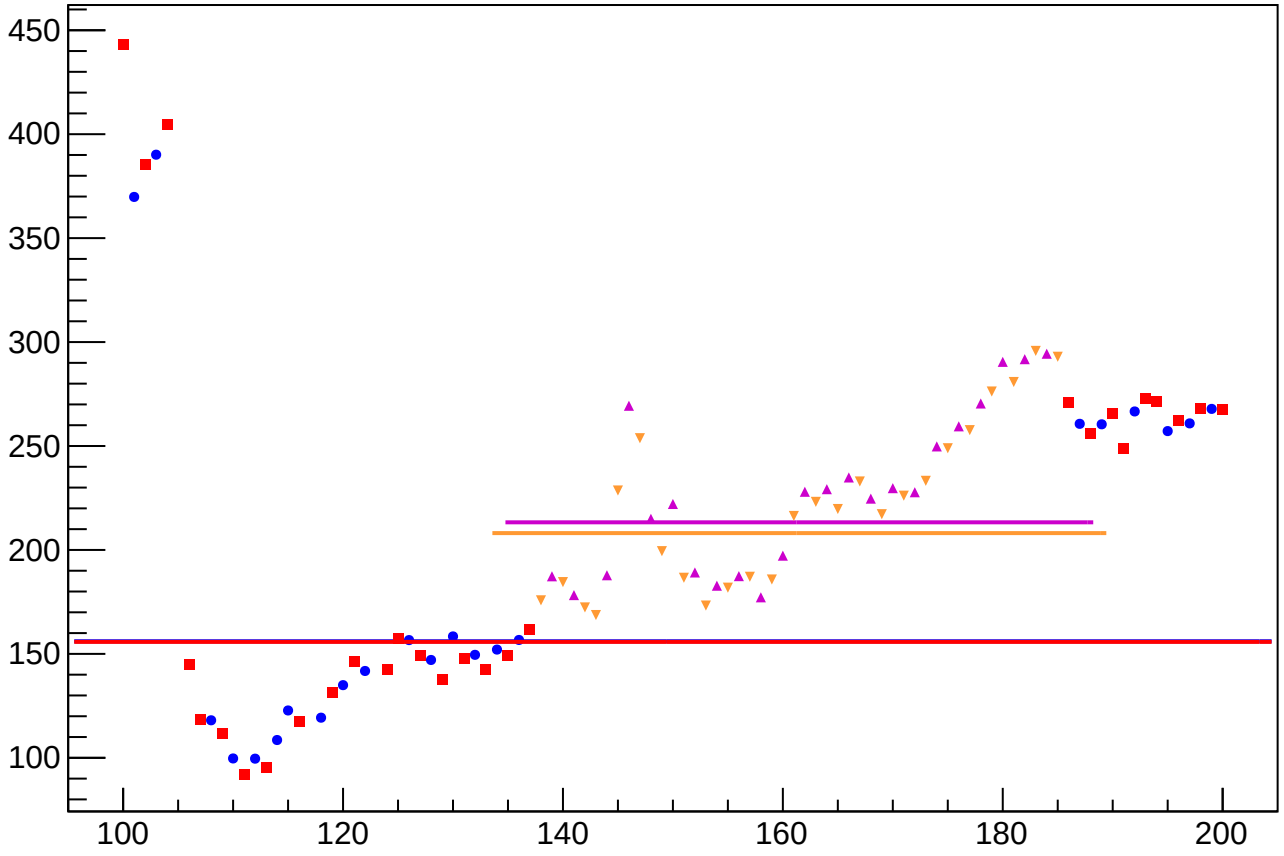
+ sign 274.091+/-0.037 χ^2/NDF: 4397202.5/46

All: 274.058+/-0.026 χ^2/NDF: 8362830.3/97

- sign 274.025+/-0.036 χ^2/NDF: 3965626.1/50


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 135869.779+/-0.050 χ²/NDF: 1314405146.7/21
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136152.767+/-0.047 χ²/NDF: 2060944075.6/27
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140018.593+/-0.035 χ²/NDF: 17562108403.
All: 139819.737+/-0.024 χ²/NDF: 34678477
- sign 139626.096+/-0.034 χ²/NDF: 17052059498.

yield_bpm0i02WS_rms vs Slug



Right In: 156.068+/-0.036 χ^2/NDF: 3056365.0/21

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

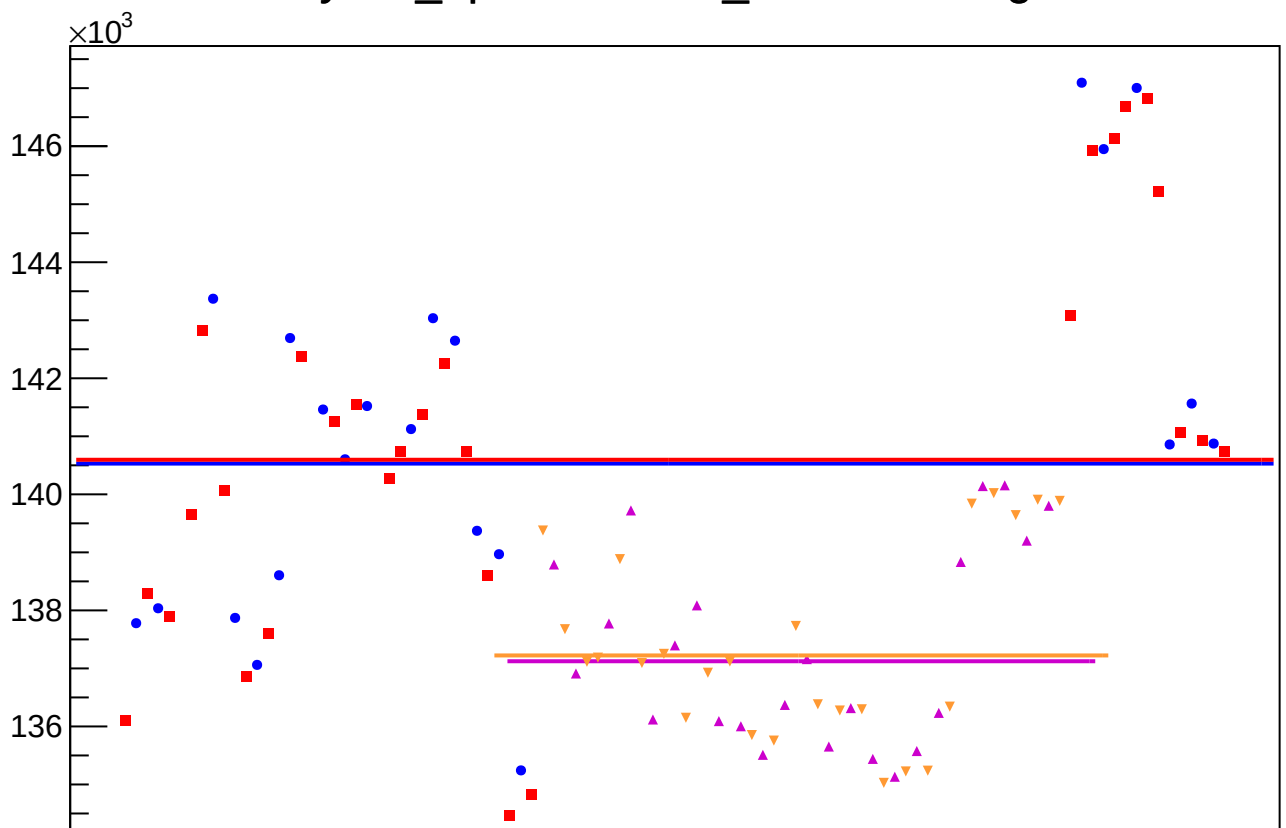
Right Out: 155.777+/-0.033 χ^2/NDF: 4111151.4/27

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 183.099+/-0.025 χ^2/NDF: 5163056.3/46

All: 182.537+/-0.017 χ^2/NDF: 11529126.9/97

- sign 181.990+/-0.024 χ^2/NDF: 6365044.3/50



Right In: 140530.112+/-0.056 χ^2/NDF: 2806072308.0/21

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140595.798+/-0.052 χ^2/NDF: 3239167242.3/27

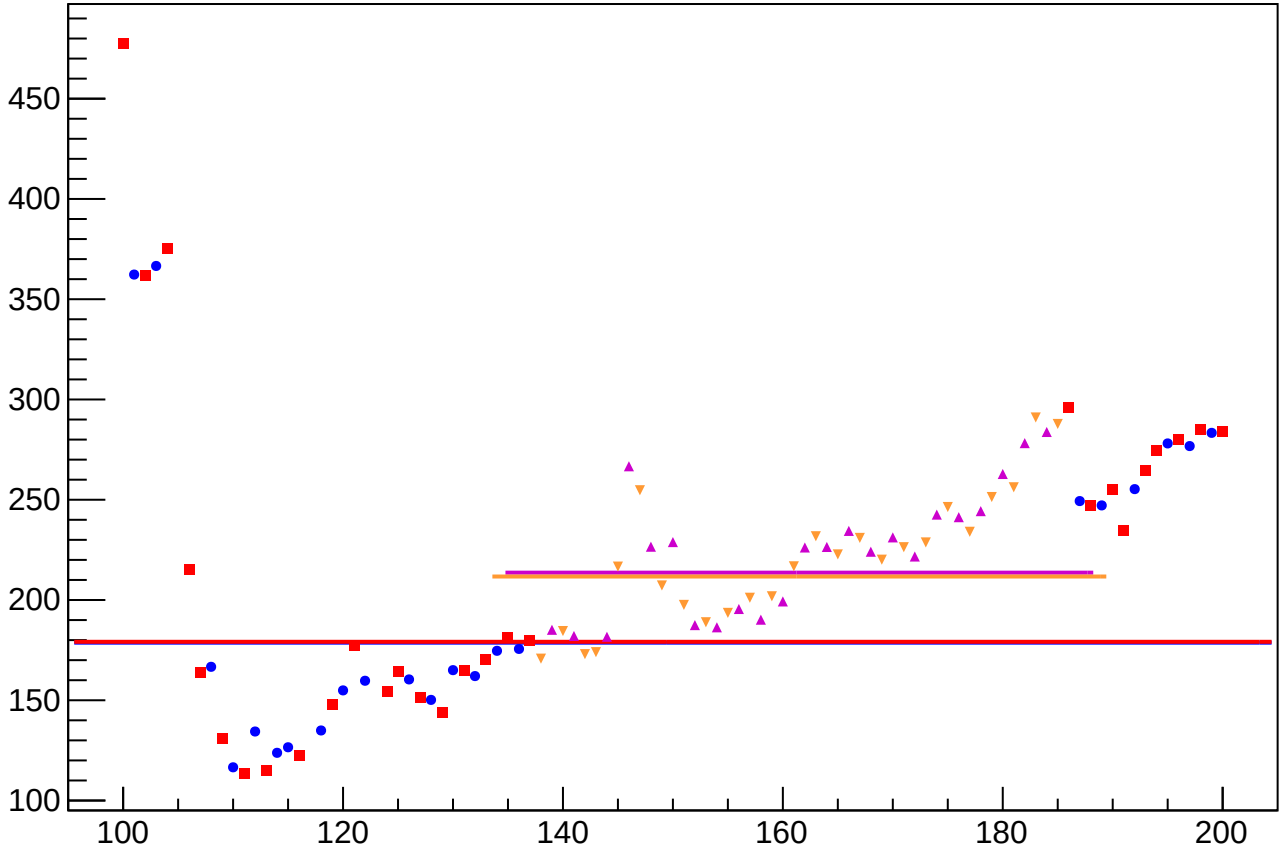
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138648.558+/-0.037 χ^2/NDF: 5659141115.3

All: 138730.208+/-0.026 χ^2/NDF: 12027752

- sign 138809.718+/-0.037 χ^2/NDF: 6358998602.4/

yield_bpm0i02aWS_rms vs Slug



Right In: 178.736+/-0.040 χ^2/NDF: 2192774.9/21

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

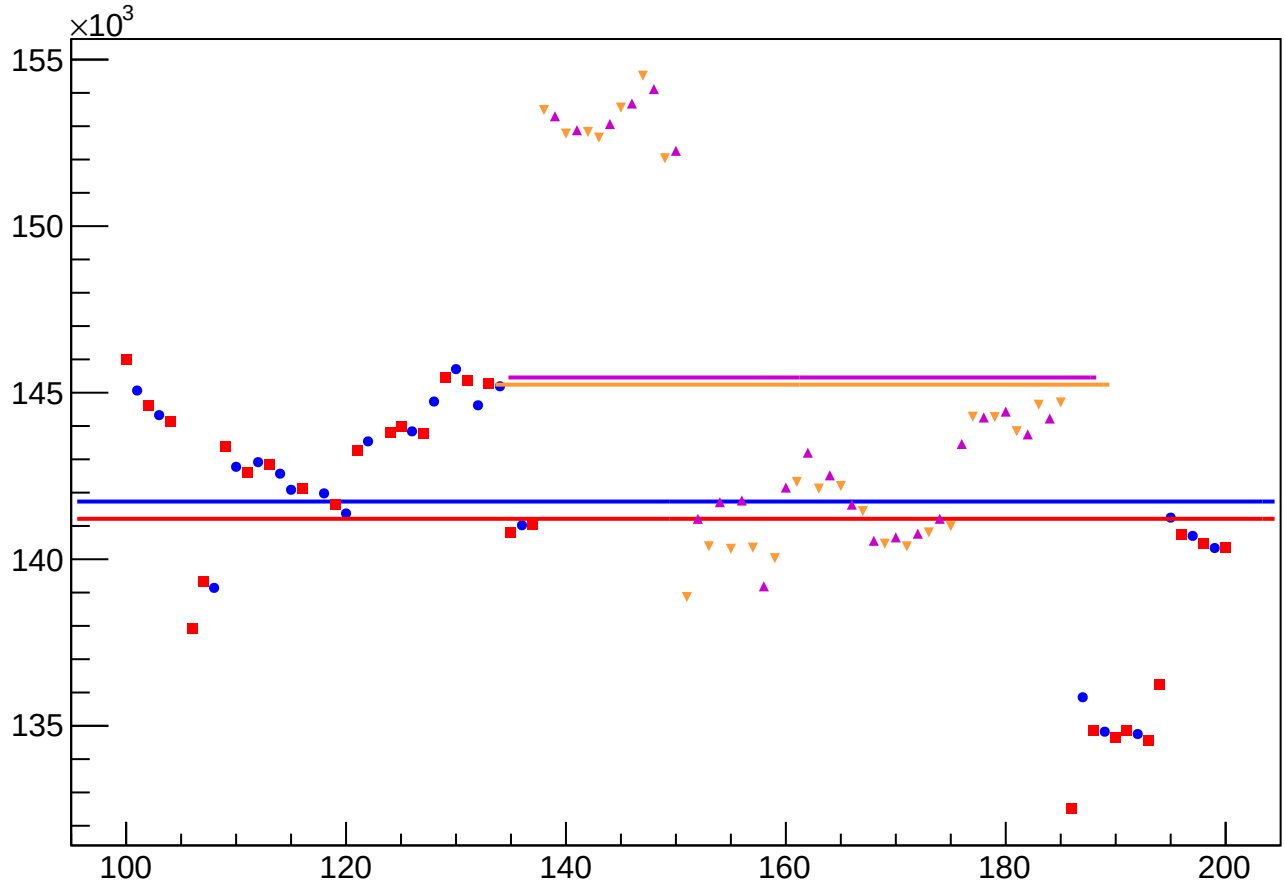
Right Out: 179.159+/-0.037 χ^2/NDF: 3053339.3/27

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 197.502+/-0.026 χ^2/NDF: 3258004.2/46

All: 197.195+/-0.018 χ^2/NDF: 7378537.5/97

- sign 196.896+/-0.026 χ^2/NDF: 4120261.3/50



Right In: 141732.916+/-0.057 χ^2/NDF: 2709065084.9/21

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141214.443+/-0.052 χ^2/NDF: 4378805847.8/27

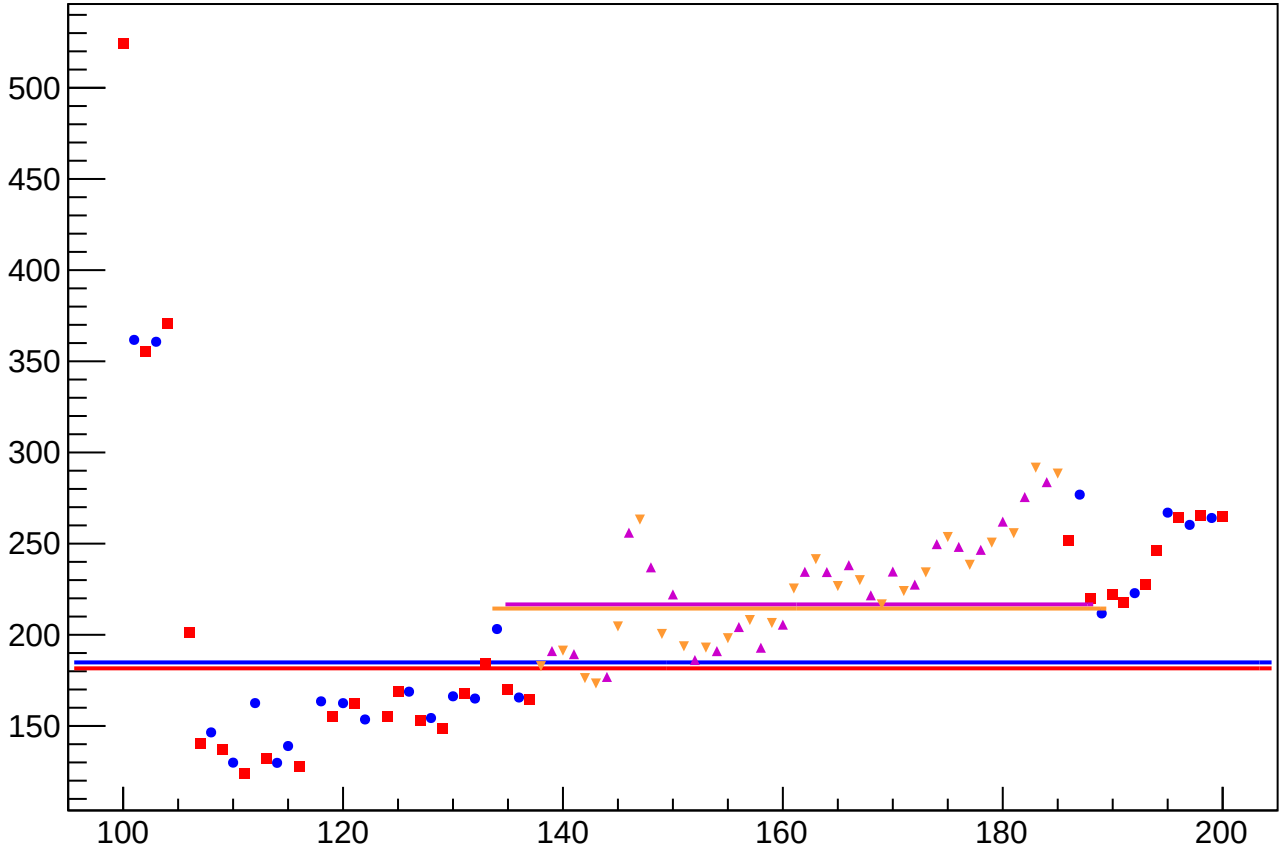
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143743.603+/-0.038 χ^2/NDF: 17878196359.

All: 143547.137+/-0.026 χ^2/NDF: 367272077

- sign 143359.770+/-0.037 χ^2/NDF: 18795556037.0

yield_bpm0i05WS_rms vs Slug



Right In: 184.860+/-0.041 χ^2/NDF: 1595876.8/21

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 181.598+/-0.037 χ^2/NDF: 2161777.8/27

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 201.780+/-0.027 χ^2/NDF: 2541785.1/46

All: 200.524+/-0.019 χ^2/NDF: 5751757.3/97

- sign 199.326+/-0.026 χ^2/NDF: 3205604.5/50

Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

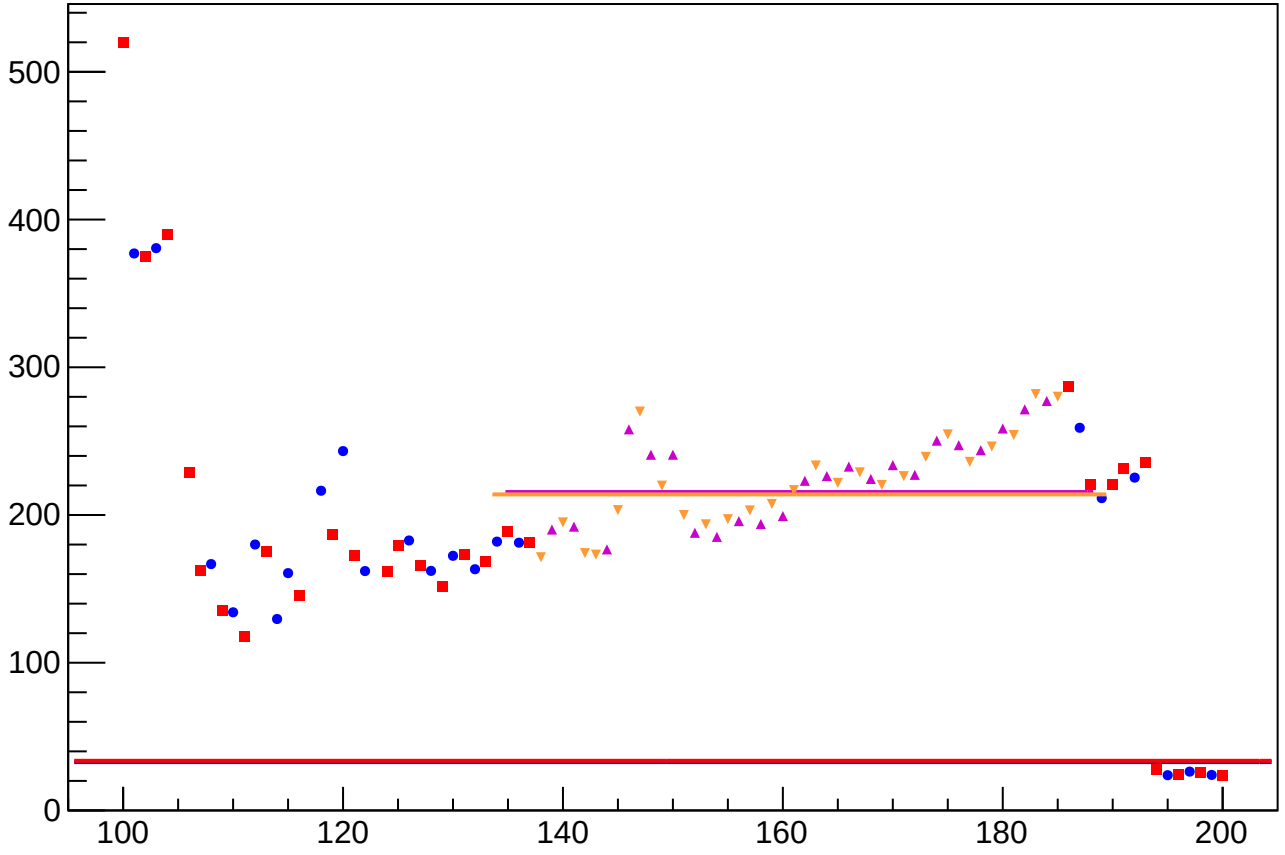
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 7117.136+/-0.014 χ^2/NDF: 1424146748633

All: 6716.140+/-0.010 χ^2/NDF: 290407040

- sign 6349.175+/-0.014 χ^2/NDF: 14797735800879

yield_bpm0i07WS_rms vs Slug



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

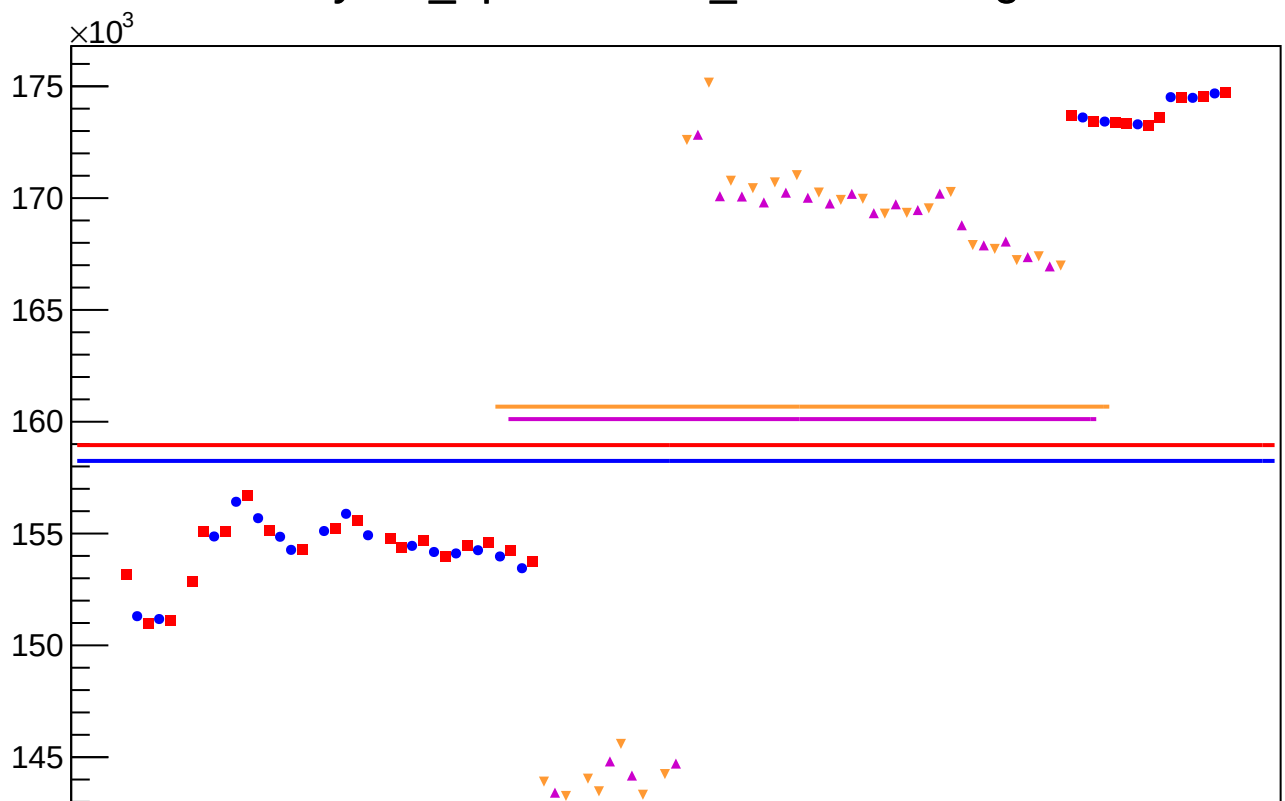
Right Out: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 47.996+/-0.010 χ^2/NDF: 37559992.8/46

All: 47.287+/-0.007 χ^2/NDF: 75524956.8/97

- sign 46.638+/-0.010 χ^2/NDF: 37955569.2/50



Right In: 158247.887+/-0.059 χ^2/NDF: 16286146123.3/21

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158955.145+/-0.054 χ^2/NDF: 21626946466.9/27

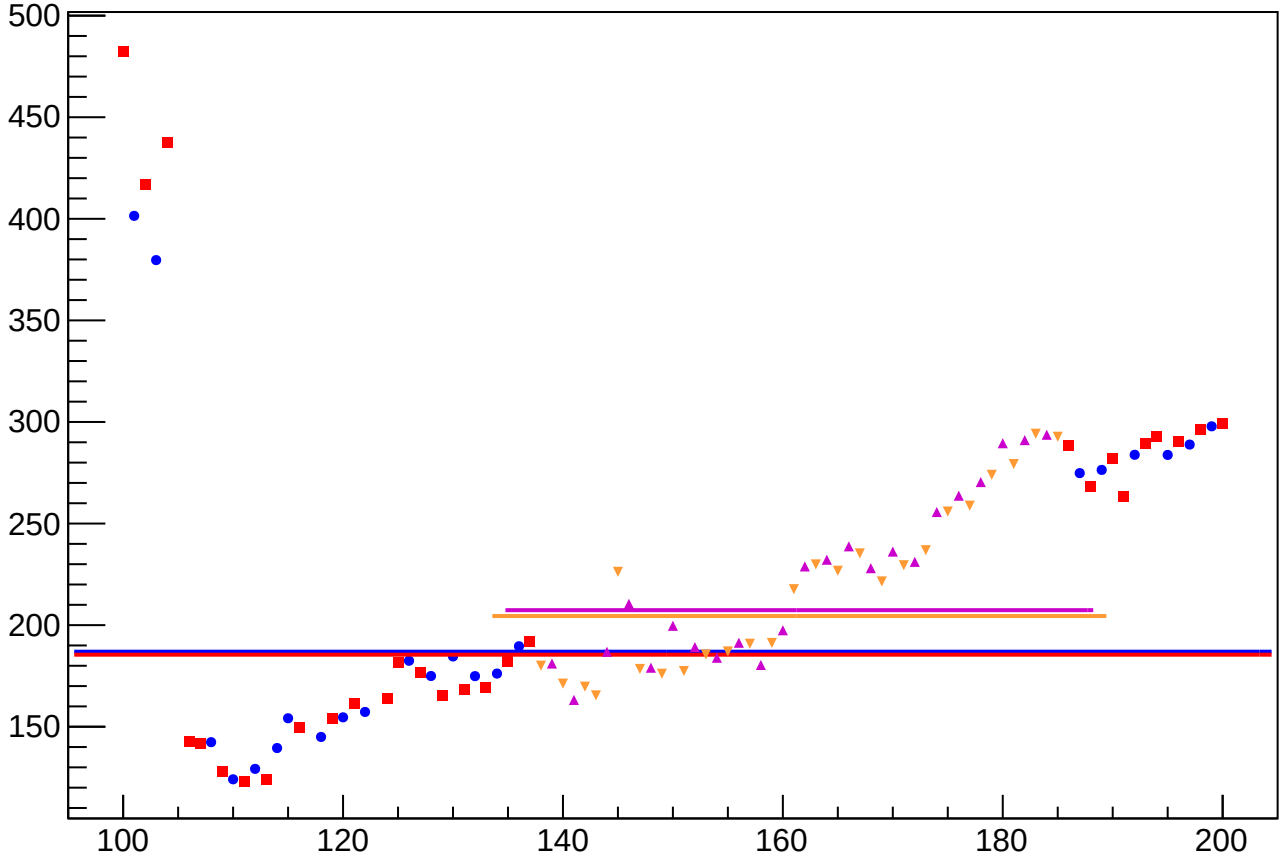
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159722.549+/-0.037 χ^2/NDF: 91470285544.

All: 159654.373+/-0.026 χ^2/NDF: 17990934

- sign 159588.000+/-0.036 χ^2/NDF: 88432334239.7

yield_bpm1i02WS_rms vs Slug



Right In: 186.928+/-0.042 χ^2/NDF: 2333536.5/21

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

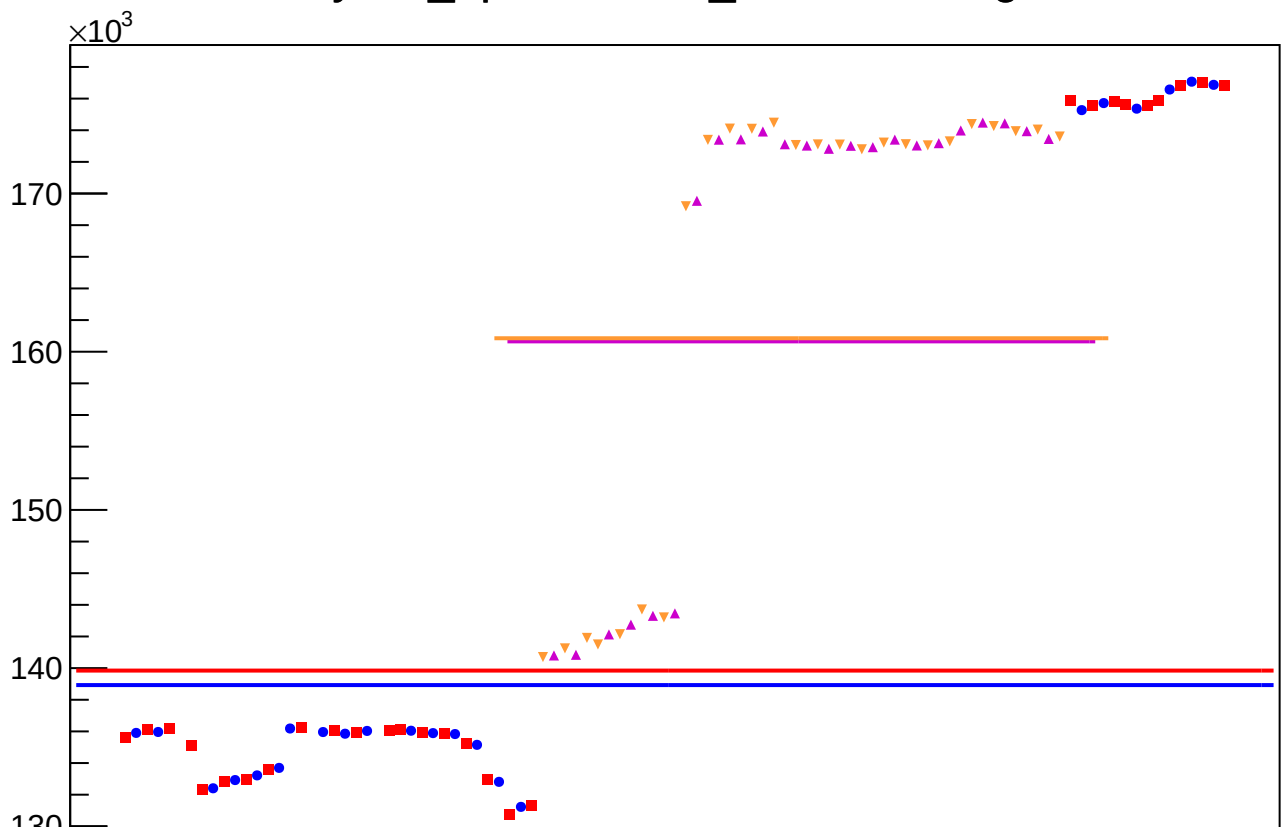
Right Out: 185.458+/-0.038 χ^2/NDF: 3229098.6/27

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 197.591+/-0.026 χ^2/NDF: 3514330.6/46

All: 197.488+/-0.018 χ^2/NDF: 7879332.2/97

- sign 197.388+/-0.026 χ^2/NDF: 4364971.1/50



Right In: 138928.154+/-0.048 χ^2/NDF: 76836941236.4/21

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139844.718+/-0.045 χ^2/NDF: 104303178239.8/27

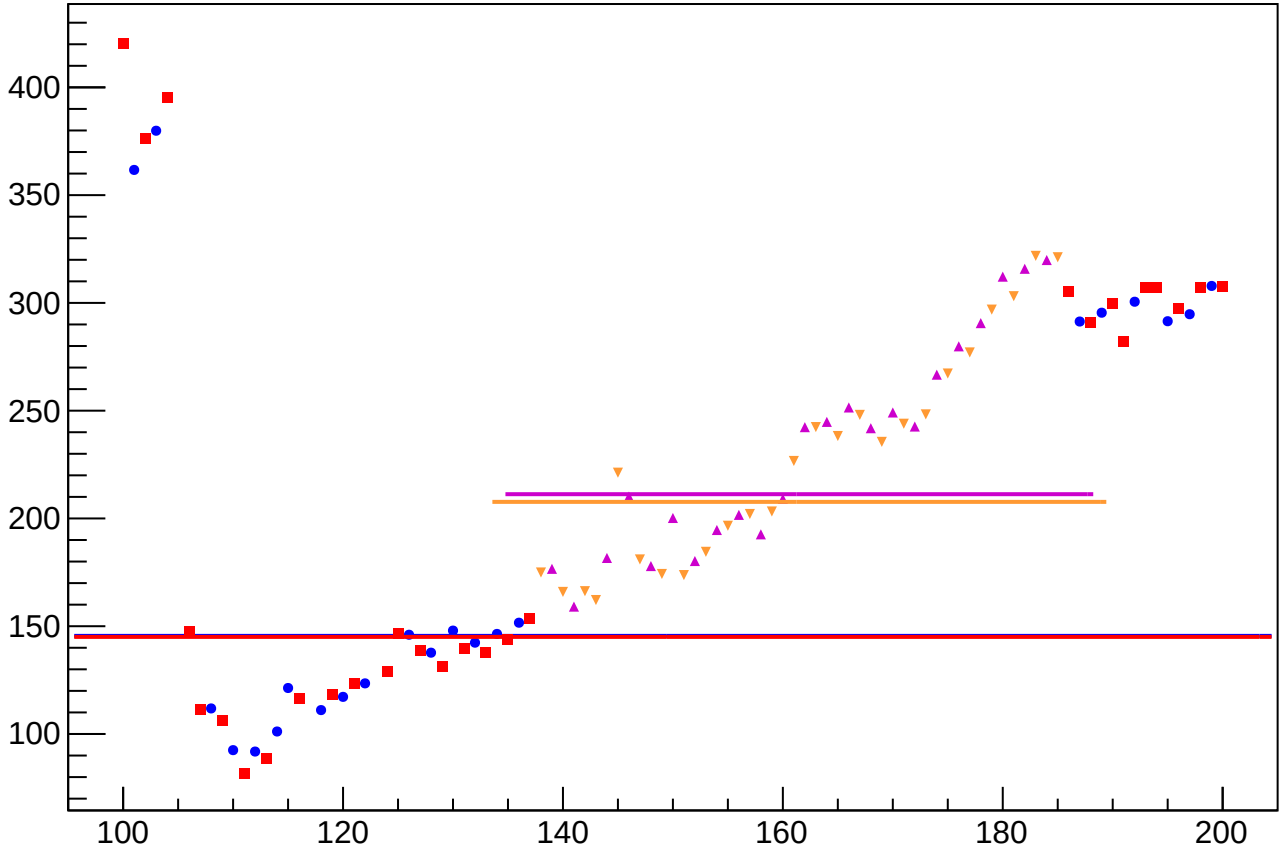
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149775.827+/-0.034 χ^2/NDF: 27956187952

All: 149355.027+/-0.024 χ^2/NDF: 5694258

- sign 148948.763+/-0.033 χ^2/NDF: 28956410624

yield_bpm1i04WS_rms vs Slug



Right In: 145.516+/-0.034 χ^2/NDF: 3995985.3/21

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

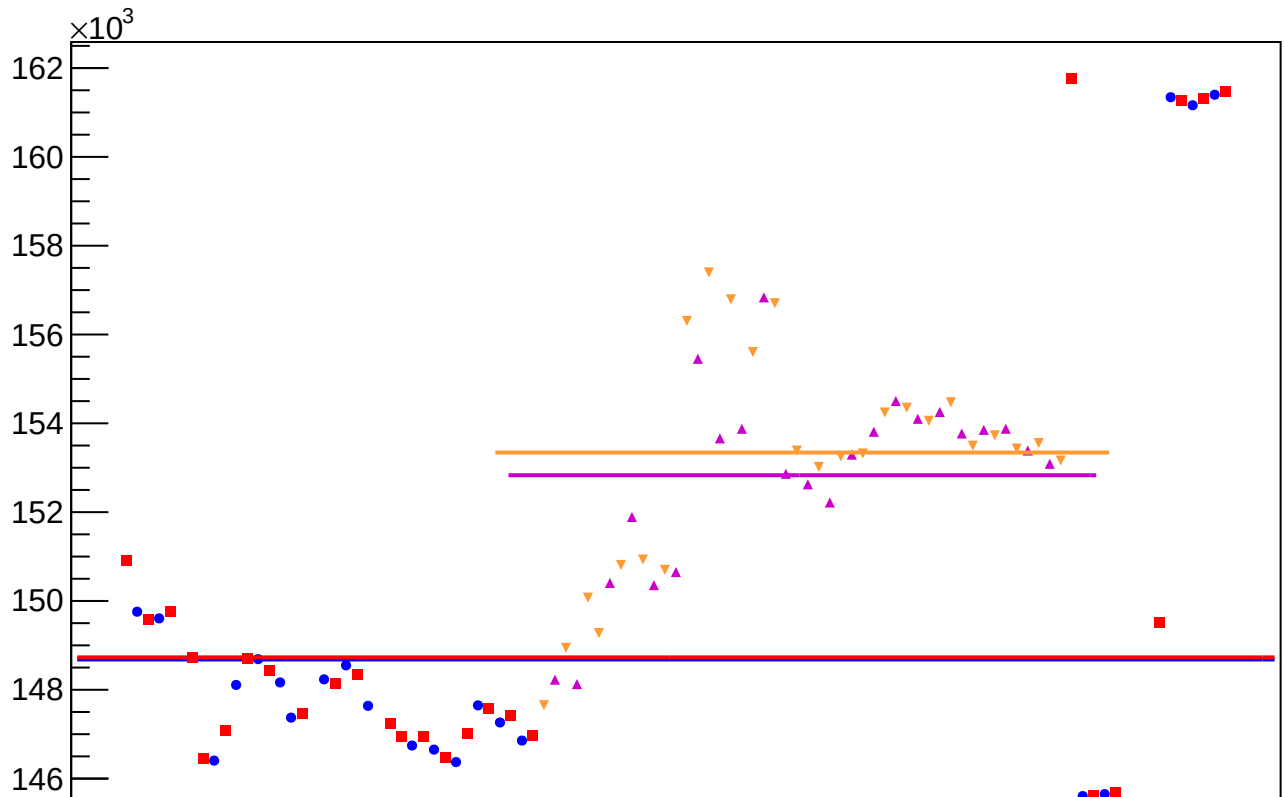
Right Out: 145.046+/-0.032 χ^2/NDF: 5461727.9/27

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 176.280+/-0.024 χ^2/NDF: 7161910.3/46

All: 175.126+/-0.017 χ^2/NDF: 15859455.4/97

- sign 174.012+/-0.024 χ^2/NDF: 8693035.8/50



Right In: 148682.562+/-0.057 χ^2/NDF: 5248753893.8/21

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148729.333+/-0.052 χ^2/NDF: 5756179660.0/27

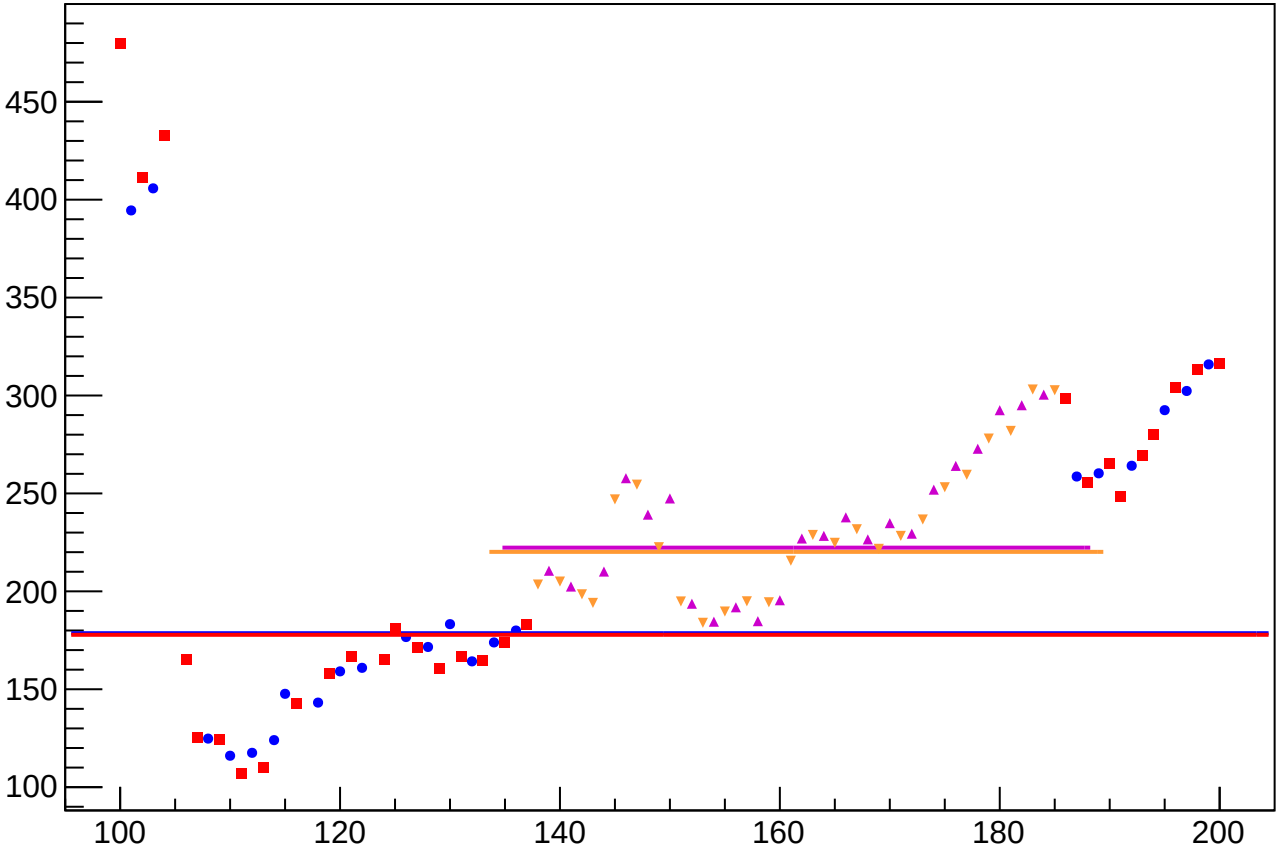
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151275.614+/-0.038 χ^2/NDF: 11959570012.

All: 151015.684+/-0.027 χ^2/NDF: 22762722

- sign 150765.239+/-0.037 χ^2/NDF: 10710771510.2

yield_bpm1i06WS_rms vs Slug



Right In: 178.614+/-0.040 χ^2/NDF: 2728653.4/21

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

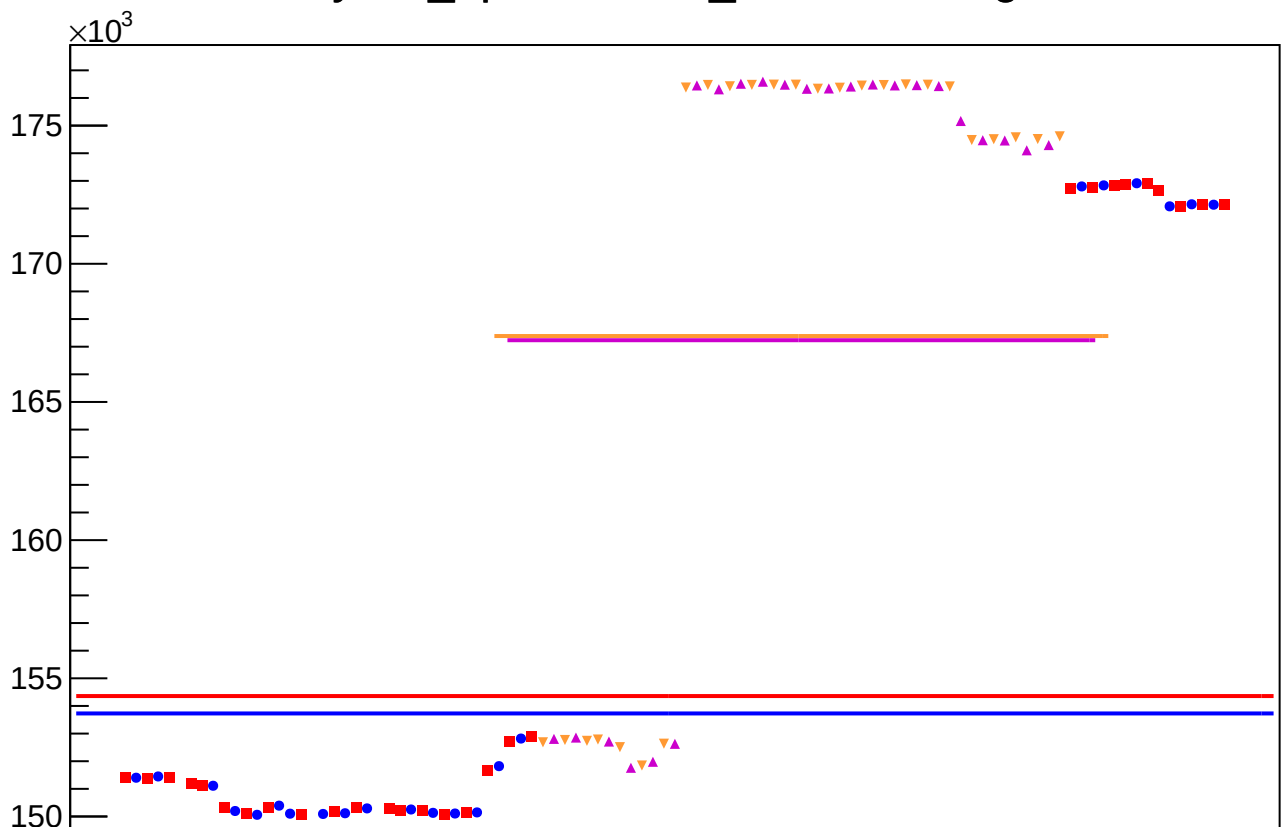
Right Out: 177.810+/-0.037 χ^2/NDF: 3669100.6/27

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 201.730+/-0.027 χ^2/NDF: 4007445.3/46

All: 200.795+/-0.019 χ^2/NDF: 9091930.5/97

- sign 199.893+/-0.026 χ^2/NDF: 5082090.6/50



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

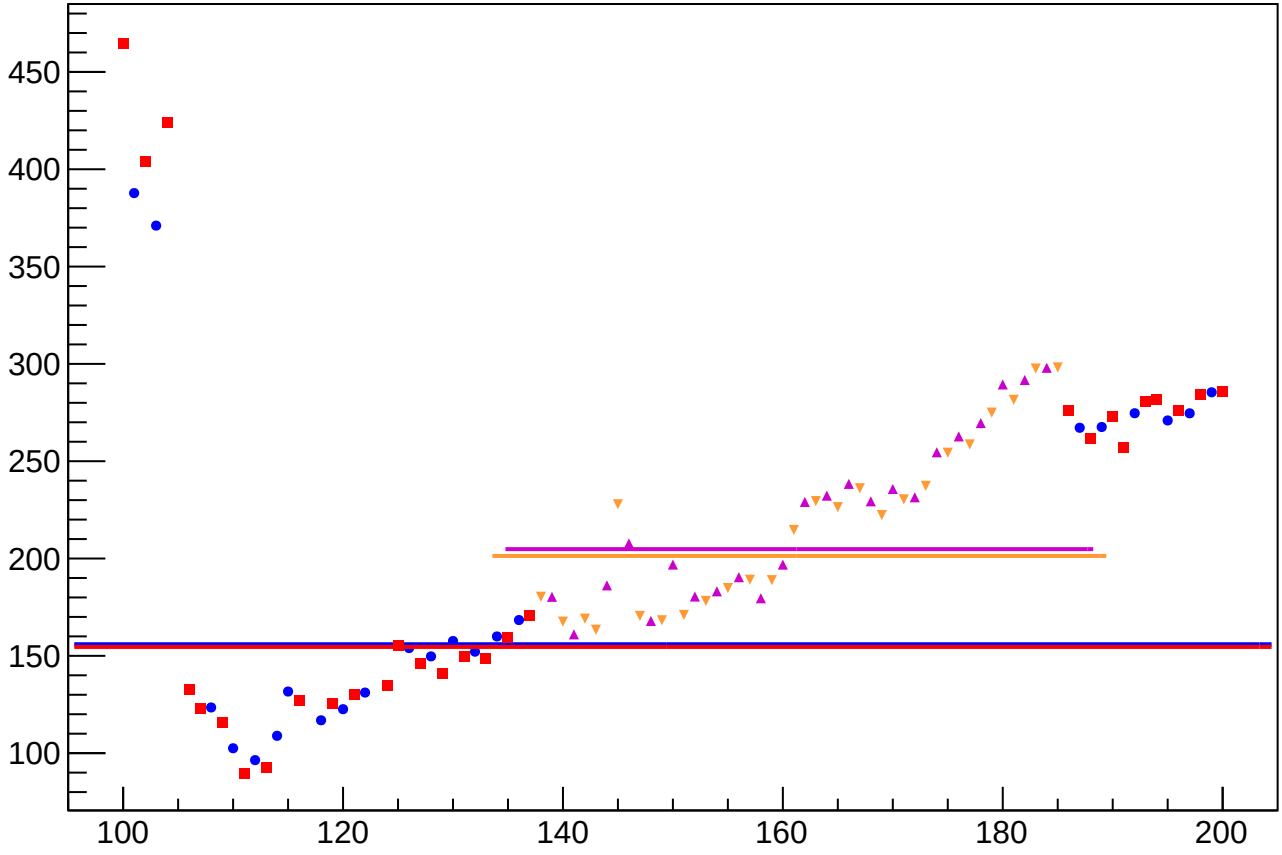
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161086.618+/-0.034 χ^2/NDF: 12239566911

All: 160765.931+/-0.024 χ^2/NDF: 24647507

- sign 160457.584+/-0.034 χ^2/NDF: 12390797043

yield_bpm2i01WS_rms vs Slug



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

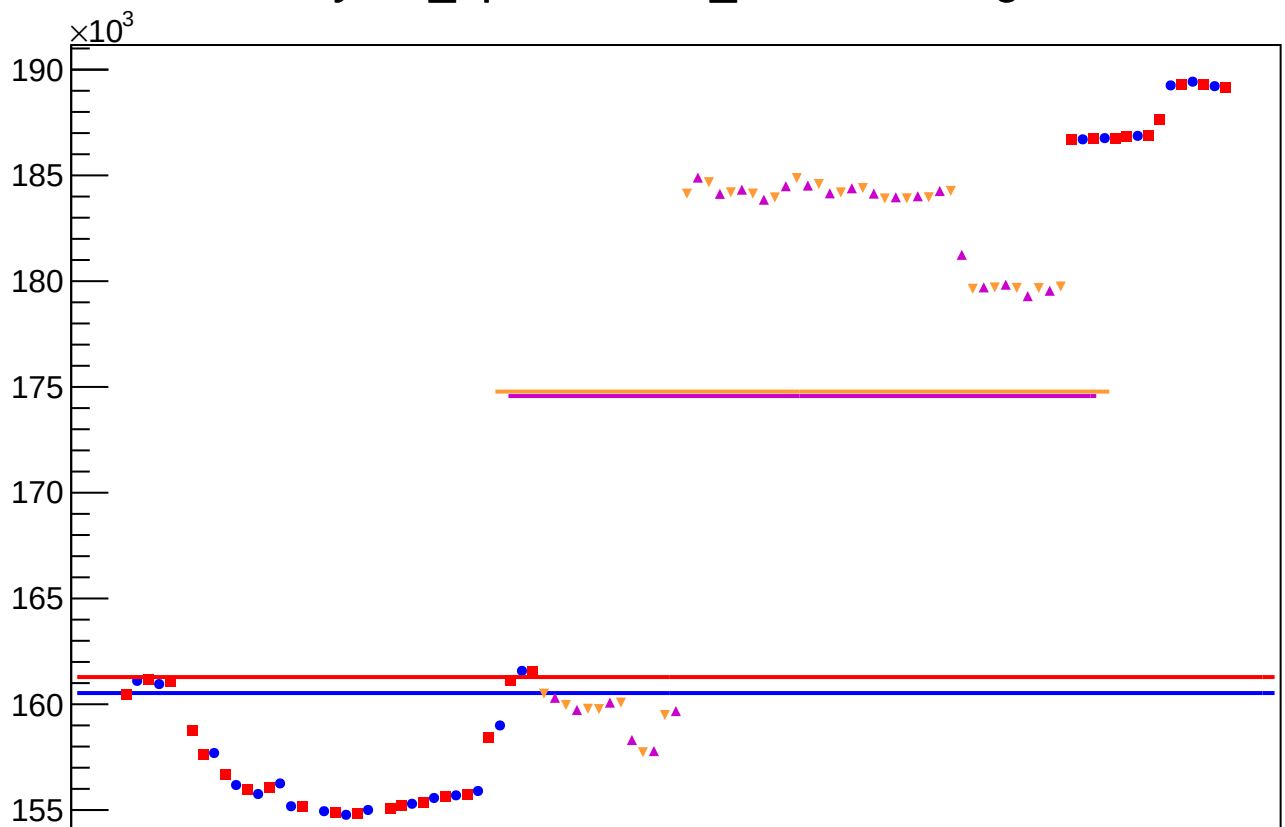
Right Out: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 180.404+/-0.024 χ^2/NDF: 5387745.0/46

All: 179.370+/-0.017 χ^2/NDF: 12064849.3/97

- sign 178.376+/-0.024 χ^2/NDF: 6673541.1/50



Right In: 160529.483+/-0.053 χ^2/NDF: 41298265206.3/21

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 161285.718+/-0.049 χ^2/NDF: 54893868807.1/27

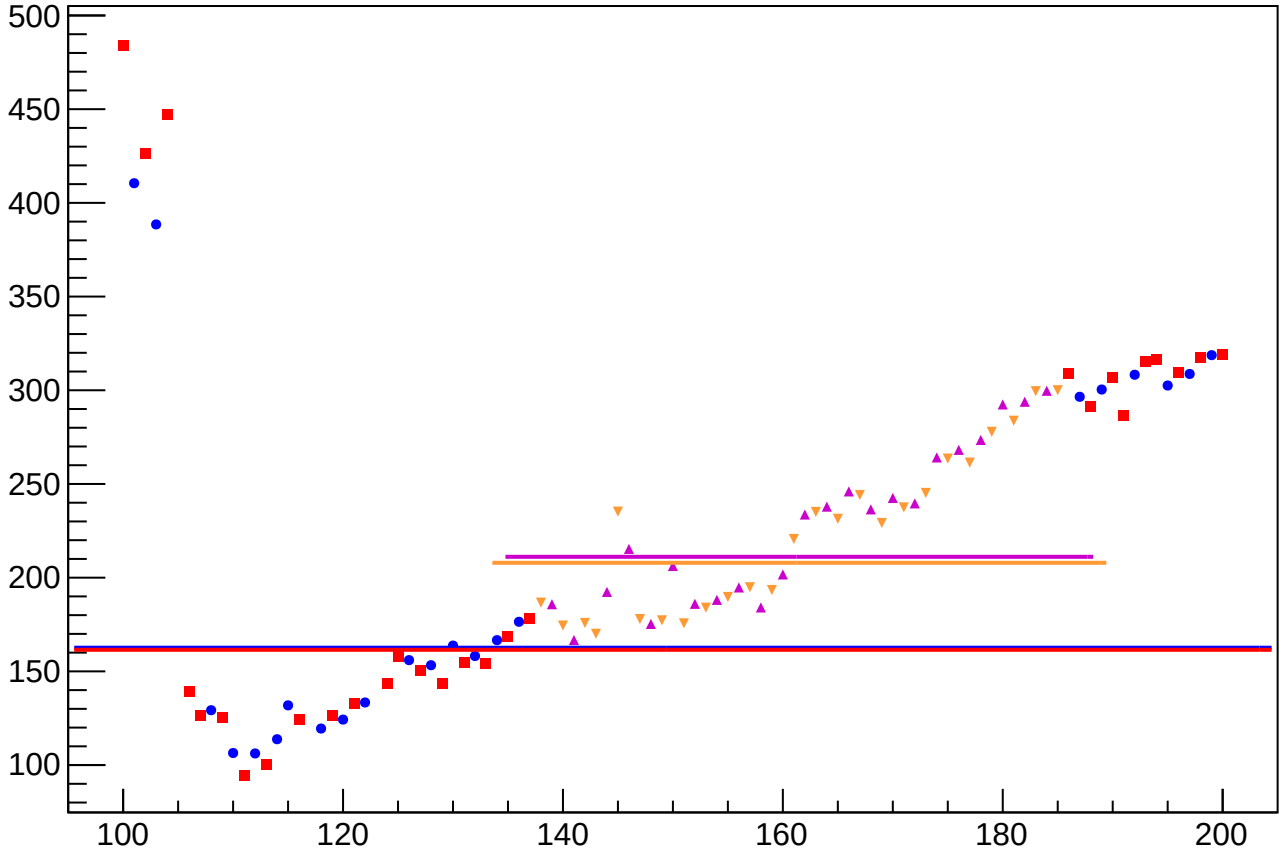
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168338.592+/-0.036 χ^2/NDF: 13893813519

All: 168030.287+/-0.025 χ^2/NDF: 2845862

- sign 167732.583+/-0.035 χ^2/NDF: 14550140631

yield_bpm2i02WS_rms vs Slug



Right In: 162.621+/-0.038 χ^2/NDF: 3573244.6/21

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 161.509+/-0.035 χ^2/NDF: 4898244.5/27

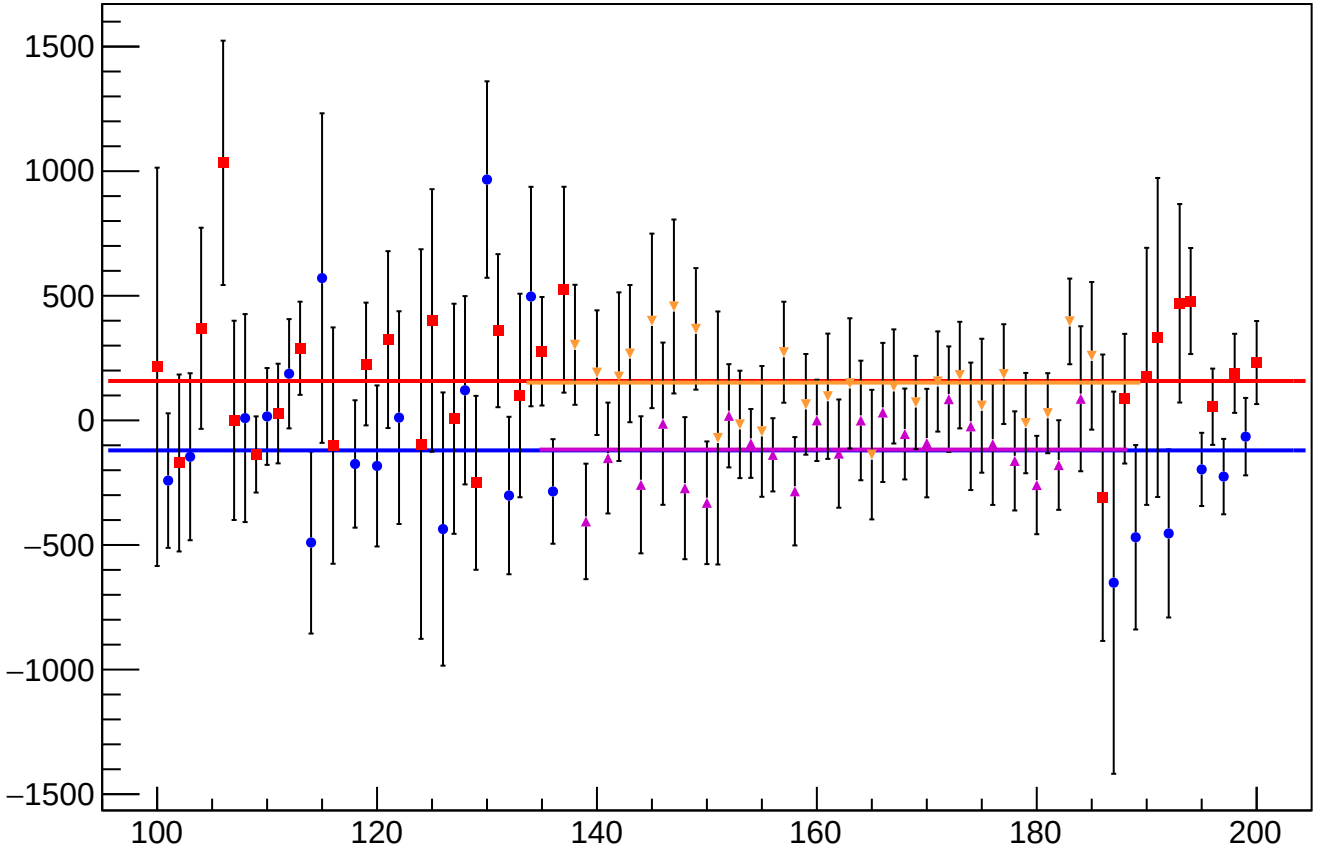
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 187.454+/-0.025 χ^2/NDF: 5504389.9/46

All: 186.507+/-0.018 χ^2/NDF: 12399655.2/97

- sign 185.592+/-0.025 χ^2/NDF: 6892494.1/50

asym_bcm_target_mean vs Slug



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 158.034+/-51.037 χ^2/NDF: 17.4/27

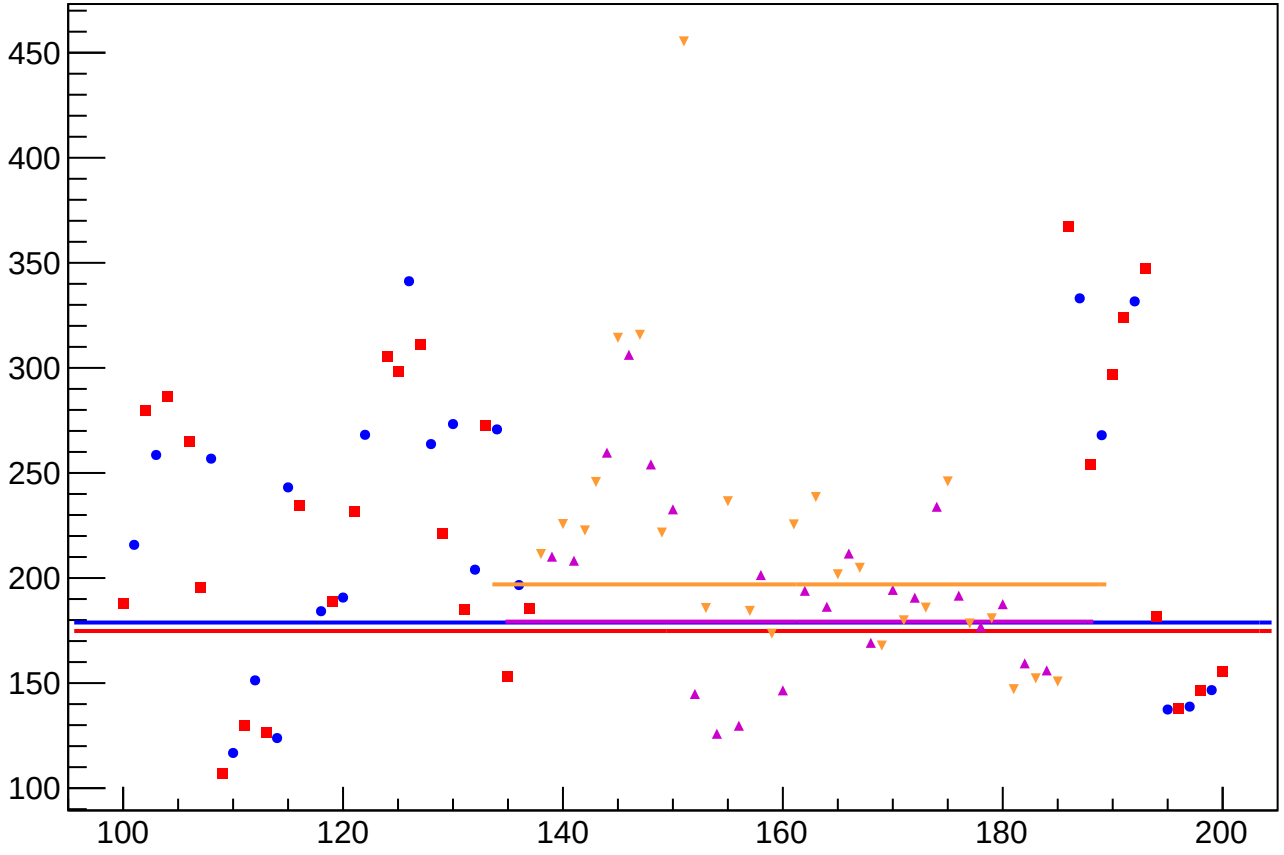
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 40.634+/-35.719 χ^2/NDF: 43.1/46

All: 18.578+/-24.329 χ^2/NDF: 85.5/97

- sign -0.510+/-33.228 χ^2/NDF: 41.7/50

asym_bcm_target_rms vs Slug



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

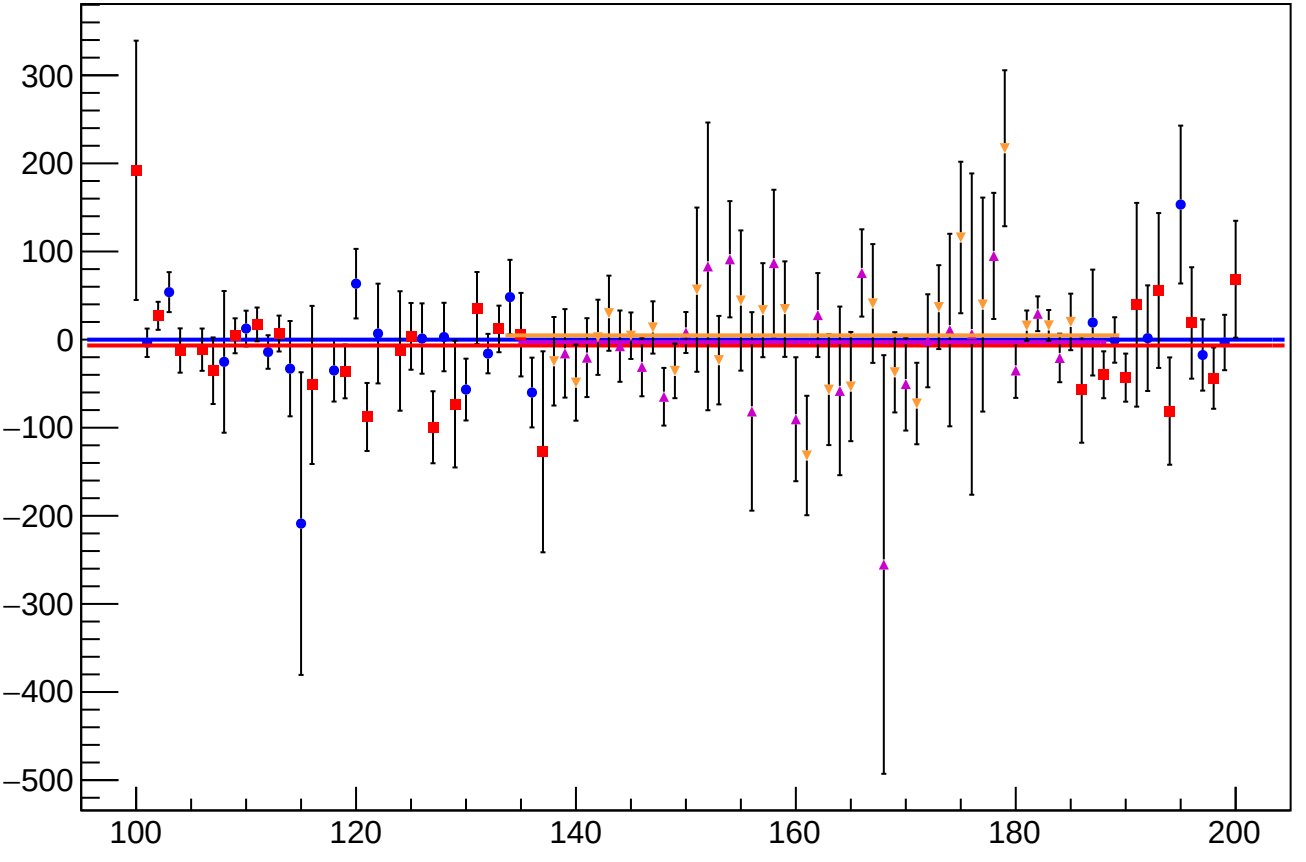
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 189.574+/-0.025 χ^2/NDF: 4043413.2/46

All: 183.028+/-0.017 χ^2/NDF: 8681371.0/97

- sign 177.363+/-0.023 χ^2/NDF: 4512661.8/50

asym_bcm_an_diff_mean vs Slug



Right In: -0.061+/-6.686 χ^2/NDF: 22.1/21

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.676+/-6.126 χ^2/NDF: 32.5/27

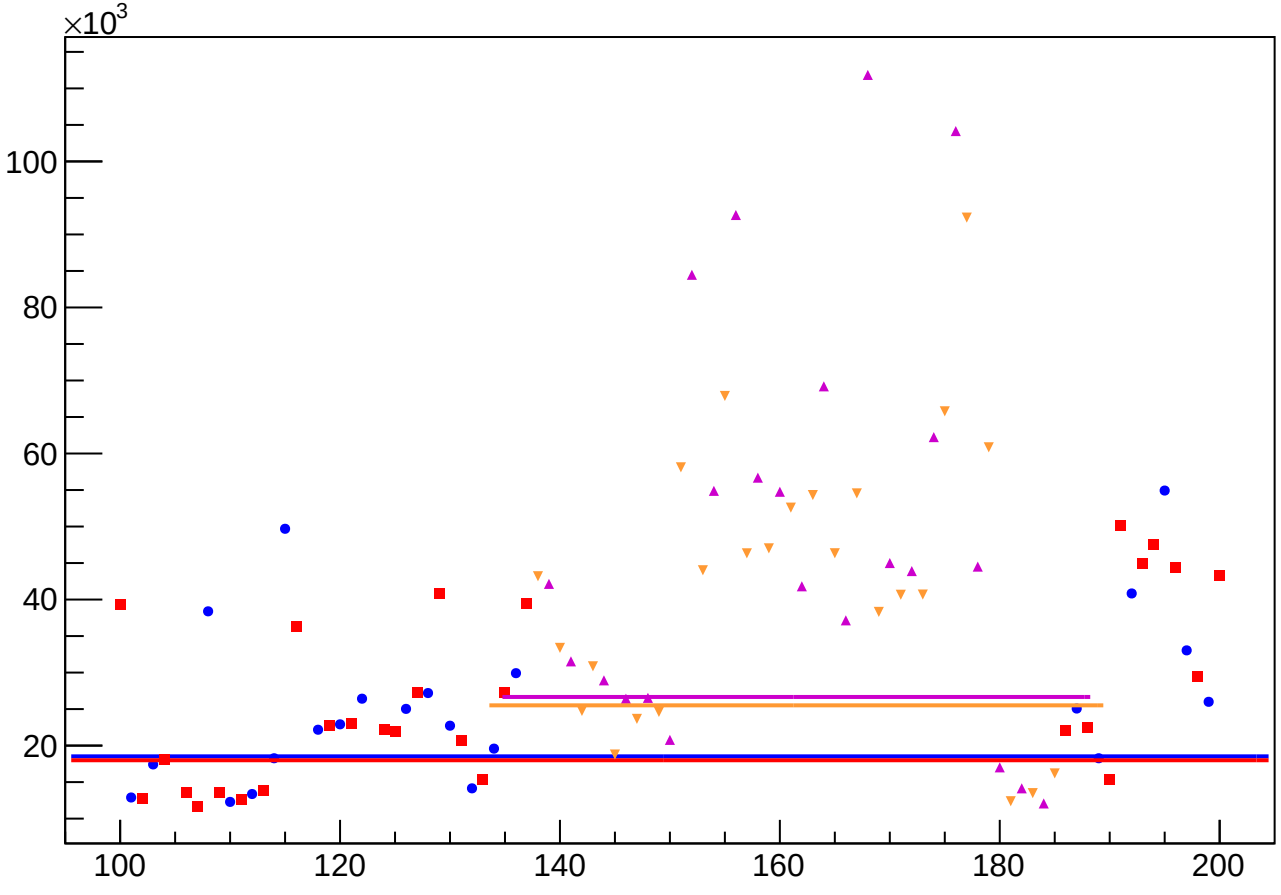
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.061+/-5.020 χ^2/NDF: 46.7/46

All: -1.687+/-3.555 χ^2/NDF: 102.0/97

- sign -5.457+/-5.035 χ^2/NDF: 54.2/50

asym_bcm_an_diff_rms vs Slug



Right In: 18527.469+/-4.728 χ^2/NDF: 2283984.1/21

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17992.783+/-4.332 χ^2/NDF: 3150814.1/27

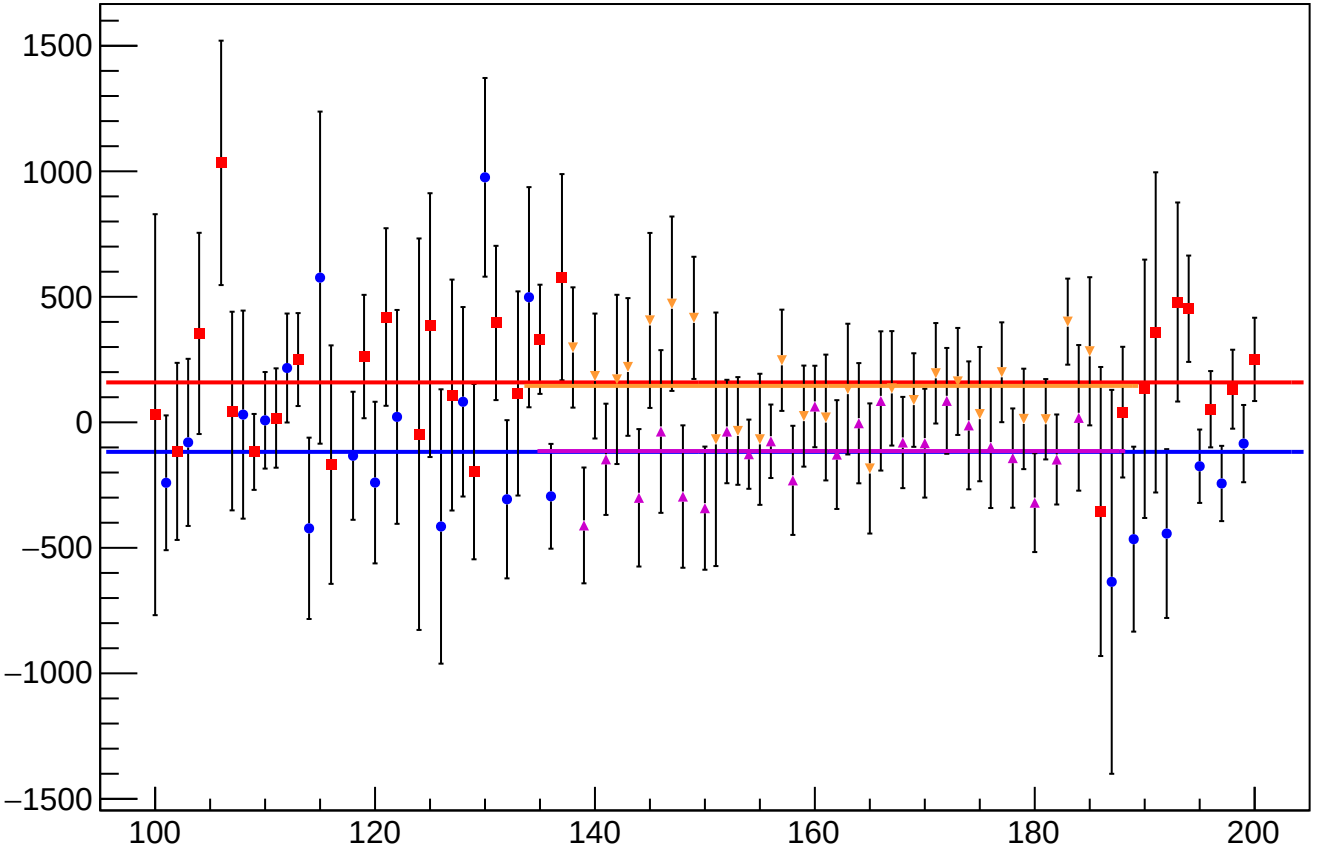
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21574.690+/-3.550 χ^2/NDF: 10978776.8/46

All: 21191.062+/-2.514 χ^2/NDF: 21335198.8

- sign 20805.129+/-3.561 χ^2/NDF: 10332995.4/50

asym_bcm_an_ds_mean vs Slug



Right In: -117.701+/-55.566 χ^2/NDF: 19.7/21

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 159.028+/-50.737 χ^2/NDF: 17.6/27

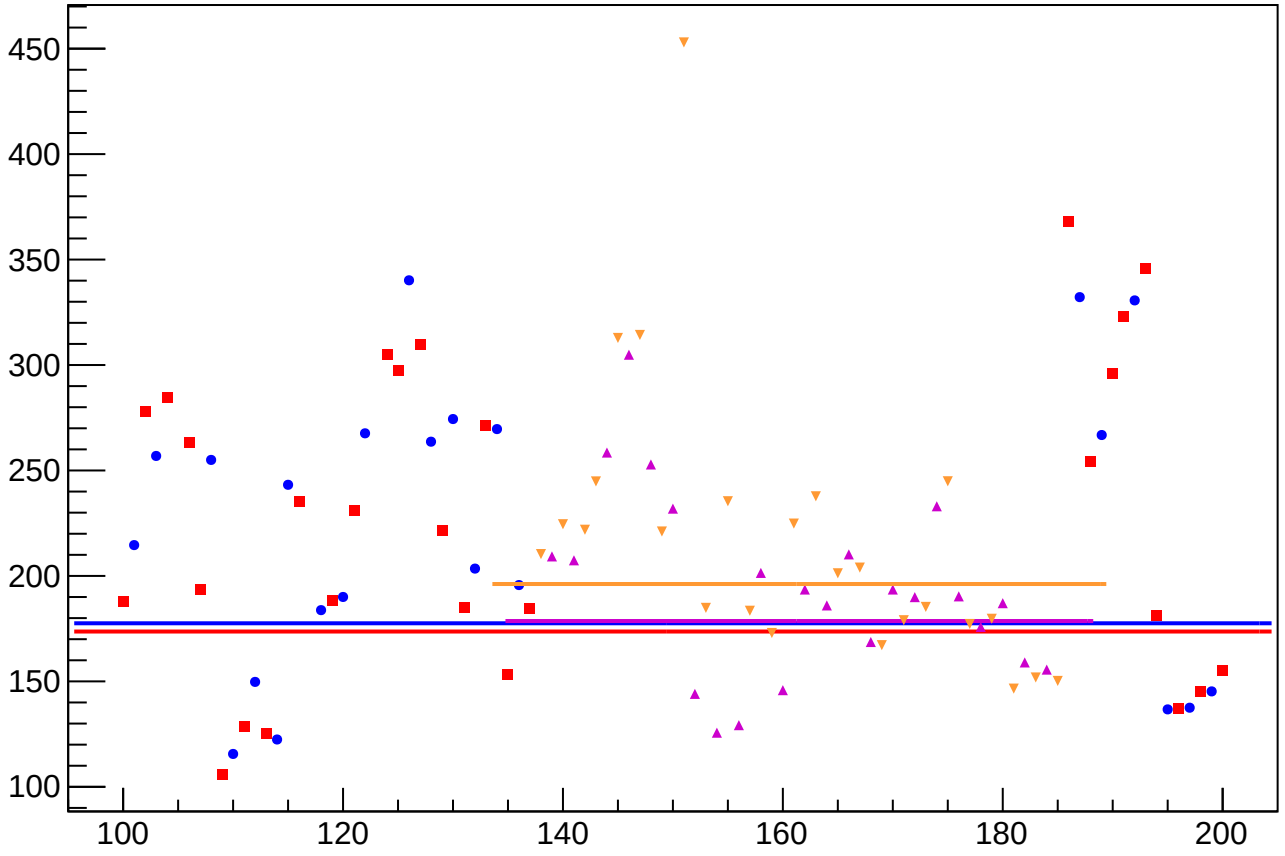
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 37.655+/-35.536 χ^2/NDF: 44.1/46

All: 18.446+/-24.211 χ^2/NDF: 87.3/97

- sign 1.805+/-33.076 χ^2/NDF: 42.6/50

asym_bcm_an_ds_rms vs Slug



Right In: 177.546+/-0.039 χ^2/NDF: 2139941.0/21

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 173.637+/-0.036 χ^2/NDF: 2884576.8/27

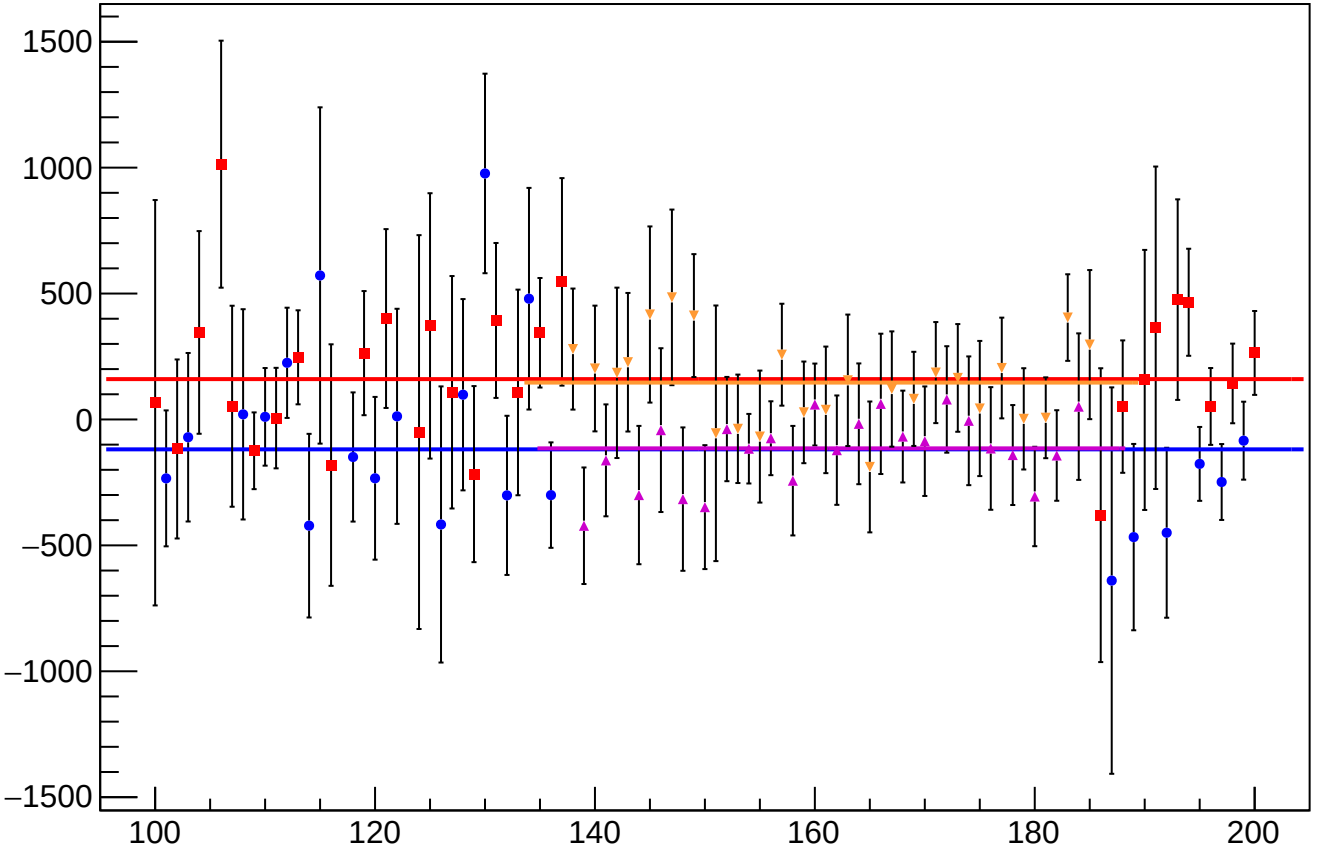
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 188.550+/-0.025 χ^2/NDF: 4079538.1/46

All: 182.095+/-0.017 χ^2/NDF: 8750246.0/97

- sign 176.503+/-0.023 χ^2/NDF: 4547547.5/50

asym_bcm_an_ds3_mean vs Slug



Right In: -118.737+/-55.854 χ^2/NDF: 19.7/21

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 160.199+/-51.005 χ^2/NDF: 17.7/27

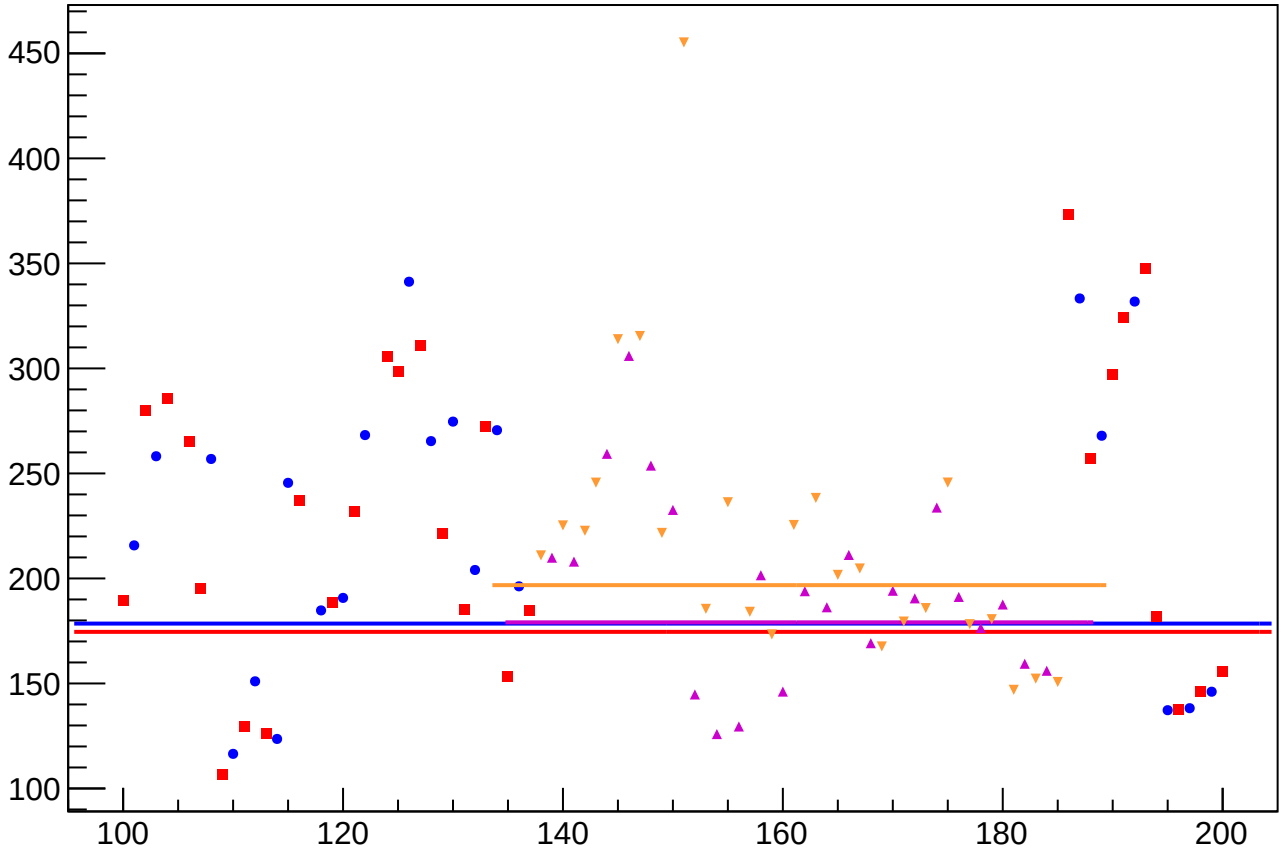
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 38.205+/-35.681 χ^2/NDF: 44.4/46

All: 18.658+/-24.307 χ^2/NDF: 87.9/97

- sign 1.732+/-33.203 χ^2/NDF: 42.9/50

asym_bcm_an_ds3_rms vs Slug



Right In: 178.508+/-0.039 χ^2/NDF: 2129699.9/21

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 174.565+/-0.036 χ^2/NDF: 2880594.0/27

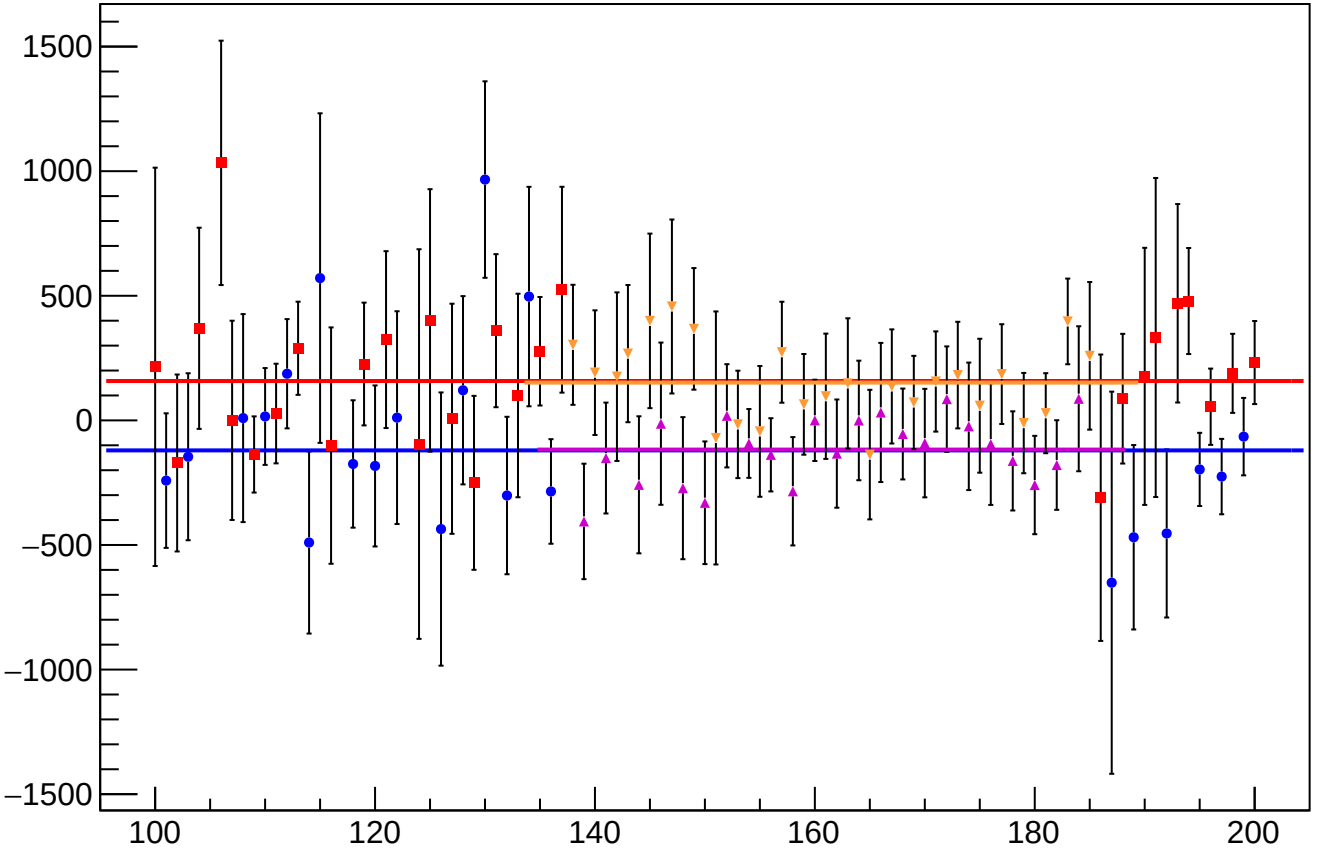
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 189.338+/-0.025 χ^2/NDF: 4065353.8/46

All: 182.822+/-0.017 χ^2/NDF: 8735394.4/97

- sign 177.179+/-0.023 χ^2/NDF: 4545572.6/50

asym_bcm_an_us_mean vs Slug



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 158.034+/-51.037 χ^2/NDF: 17.4/27

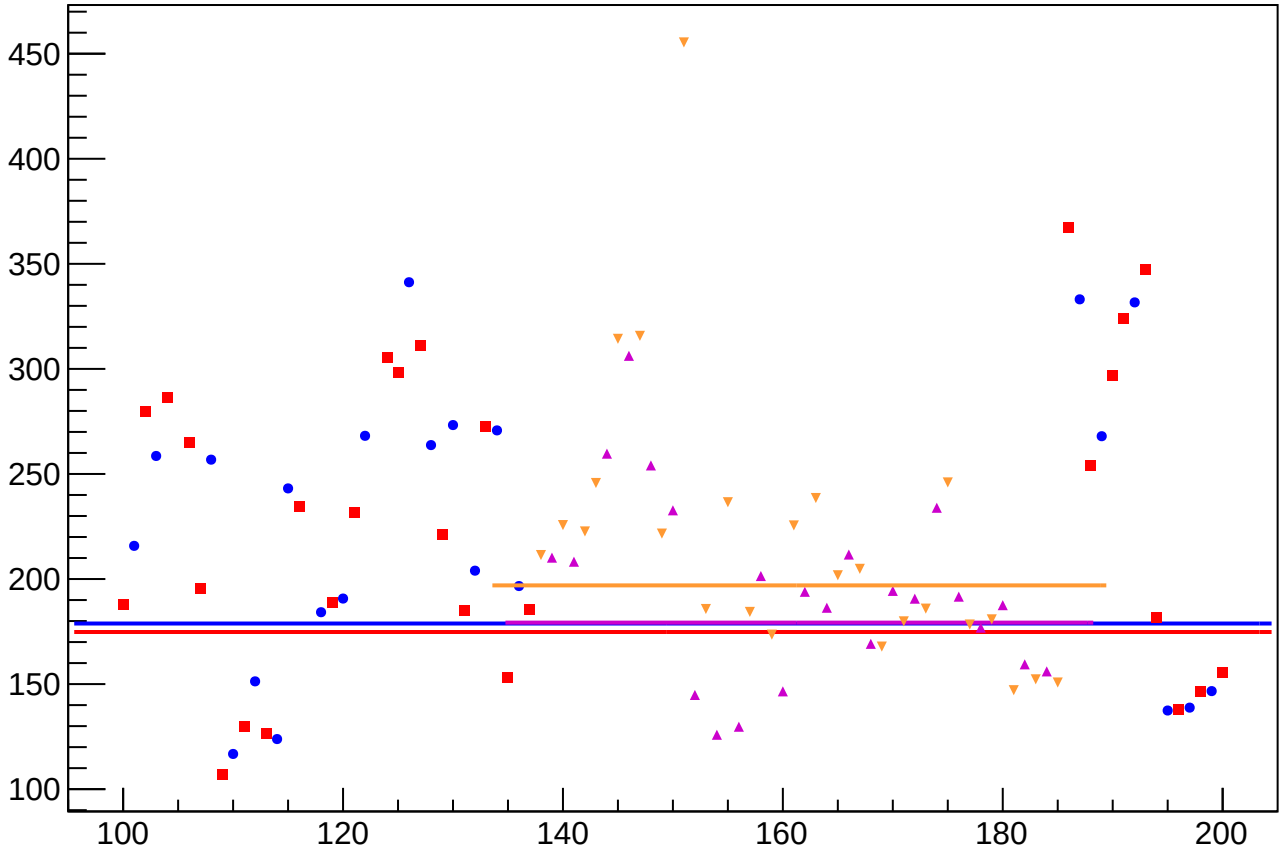
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 40.634+/-35.719 χ^2/NDF: 43.1/46

All: 18.578+/-24.329 χ^2/NDF: 85.5/97

- sign -0.510+/-33.228 χ^2/NDF: 41.7/50

asym_bcm_an_us_rms vs Slug



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

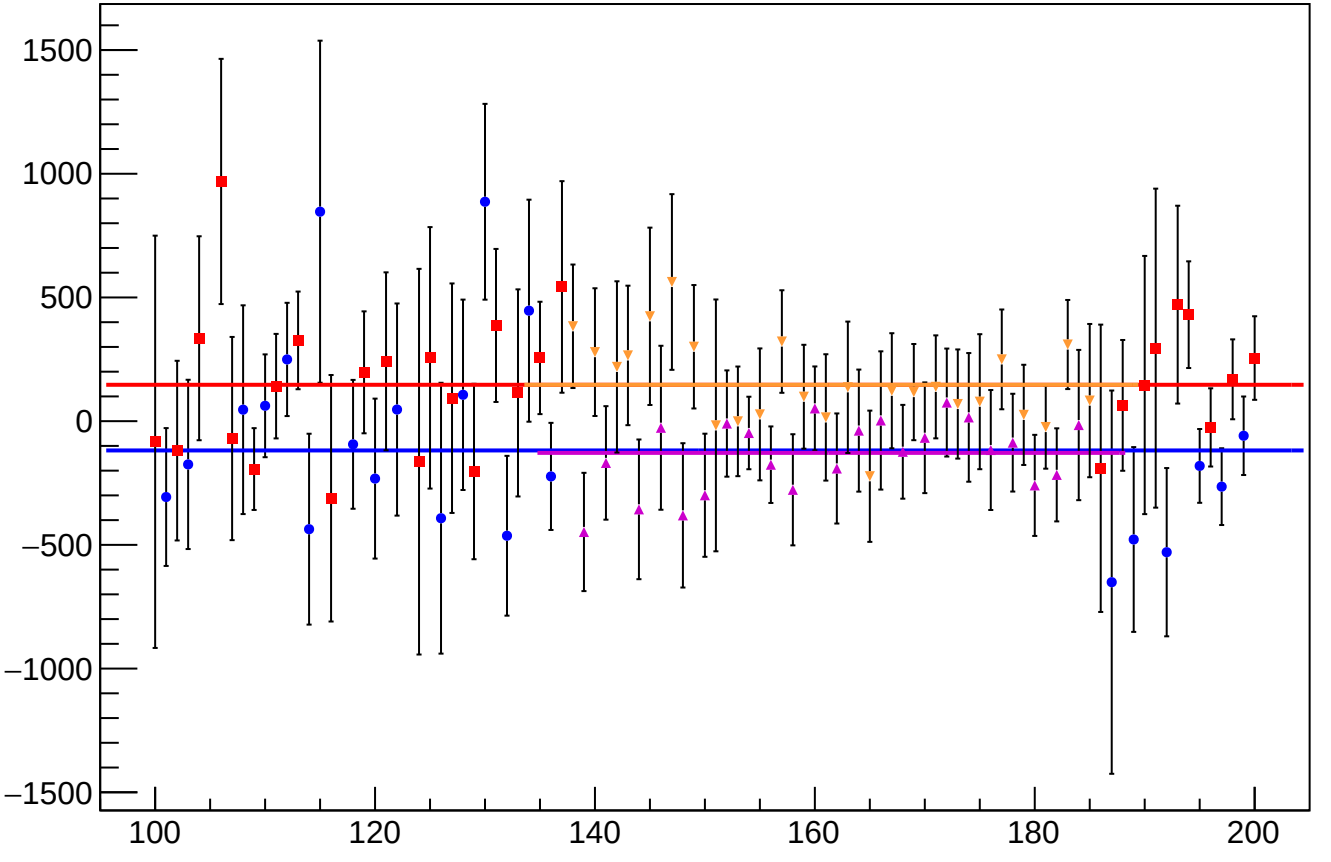
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

\+ sign 189.574+/-0.025 χ^2/NDF: 4043413.2/46

All: 183.028+/-0.017 χ^2/NDF: 8681371.0/97

\- sign 177.363+/-0.023 χ^2/NDF: 4512661.8/50

asym_bcm_dg_us_mean vs Slug



Right In: -118.351+/-57.354 χ^2/NDF: 21.0/21

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 147.027+/-52.616 χ^2/NDF: 17.3/27

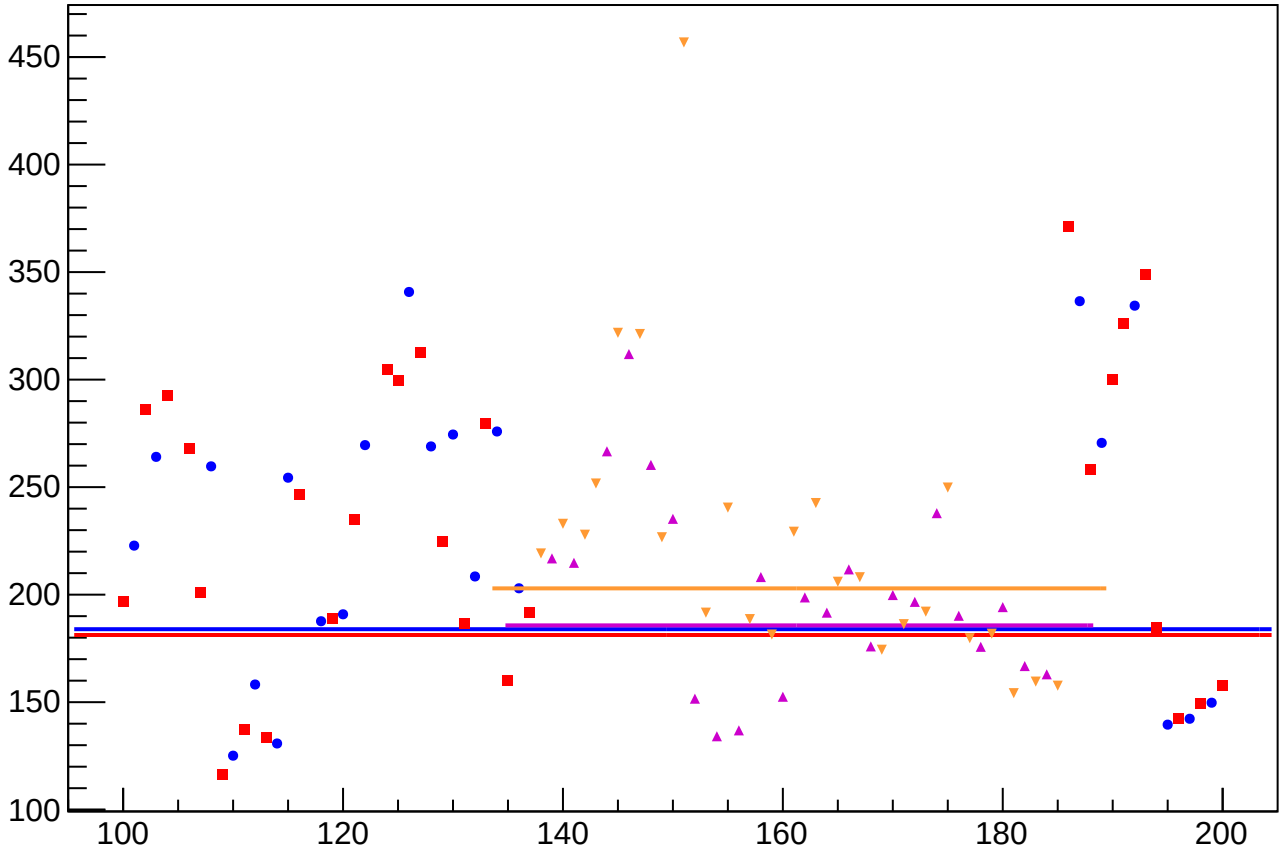
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 38.466+/-36.678 χ^2/NDF: 43.8/46

All: 11.902+/-25.047 χ^2/NDF: 86.3/97

- sign -11.311+/-34.286 χ^2/NDF: 41.6/50

asym_bcm_dg_us_rms vs Slug



Right In: 183.939+/-0.041 χ^2/NDF: 2006797.9/21

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 181.243+/-0.037 χ^2/NDF: 2619072.3/27

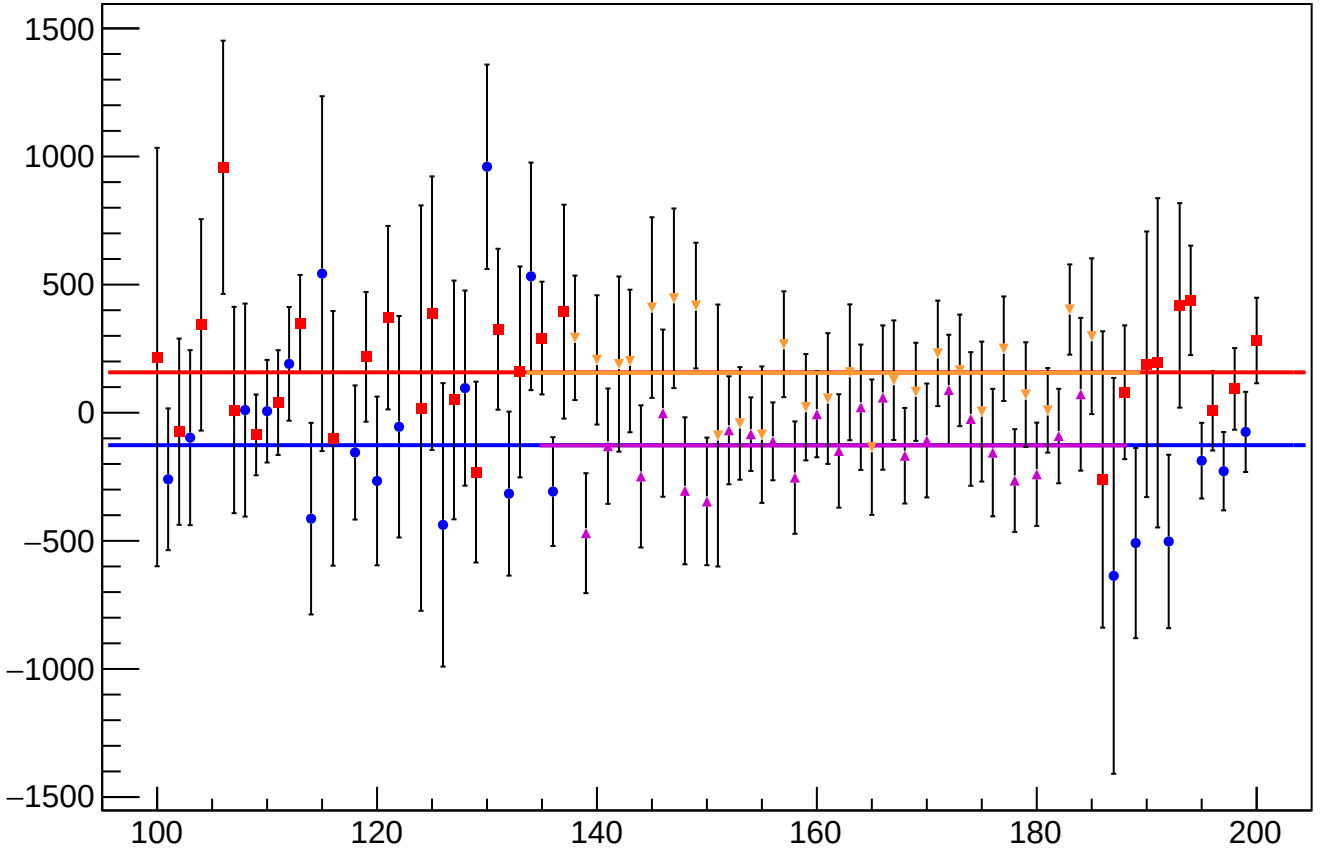
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 195.158+/-0.026 χ^2/NDF: 3836386.4/46

All: 189.105+/-0.018 χ^2/NDF: 8055309.5/97

- sign 183.816+/-0.024 χ^2/NDF: 4116876.9/50

asym_bcm_dg_ds_mean vs Slug



Right In: -126.634+/-56.633 χ^2/NDF: 19.4/21

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 157.589+/-51.736 χ^2/NDF: 14.7/27

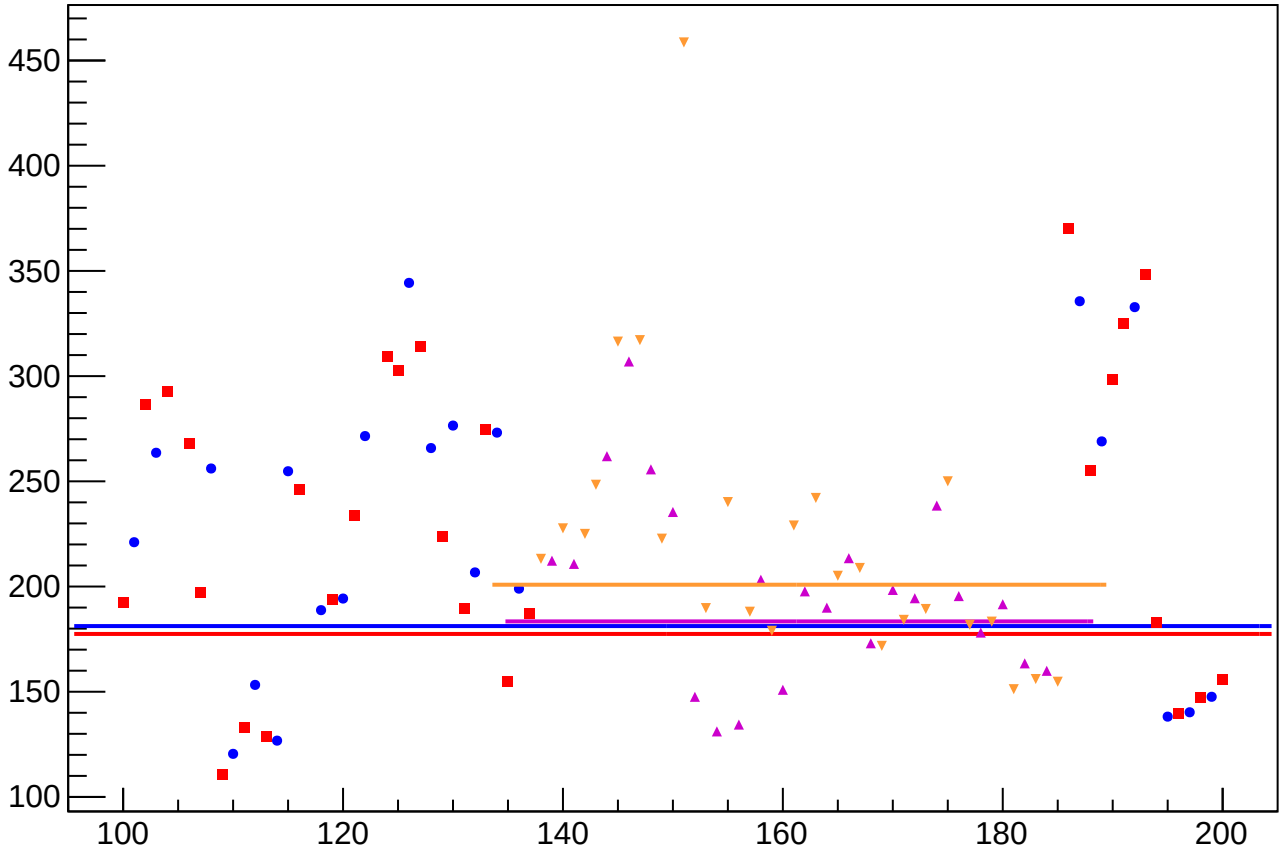
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 39.758+/-36.287 χ^2/NDF: 44.7/46

All: 15.411+/-24.742 χ^2/NDF: 85.6/97

- sign -5.743+/-33.823 χ^2/NDF: 40.1/50

asym_bcm_dg_ds_rms vs Slug



Right In: 181.207+/-0.040 χ^2/NDF: 2093672.8/21

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 177.466+/-0.037 χ^2/NDF: 2800089.5/27

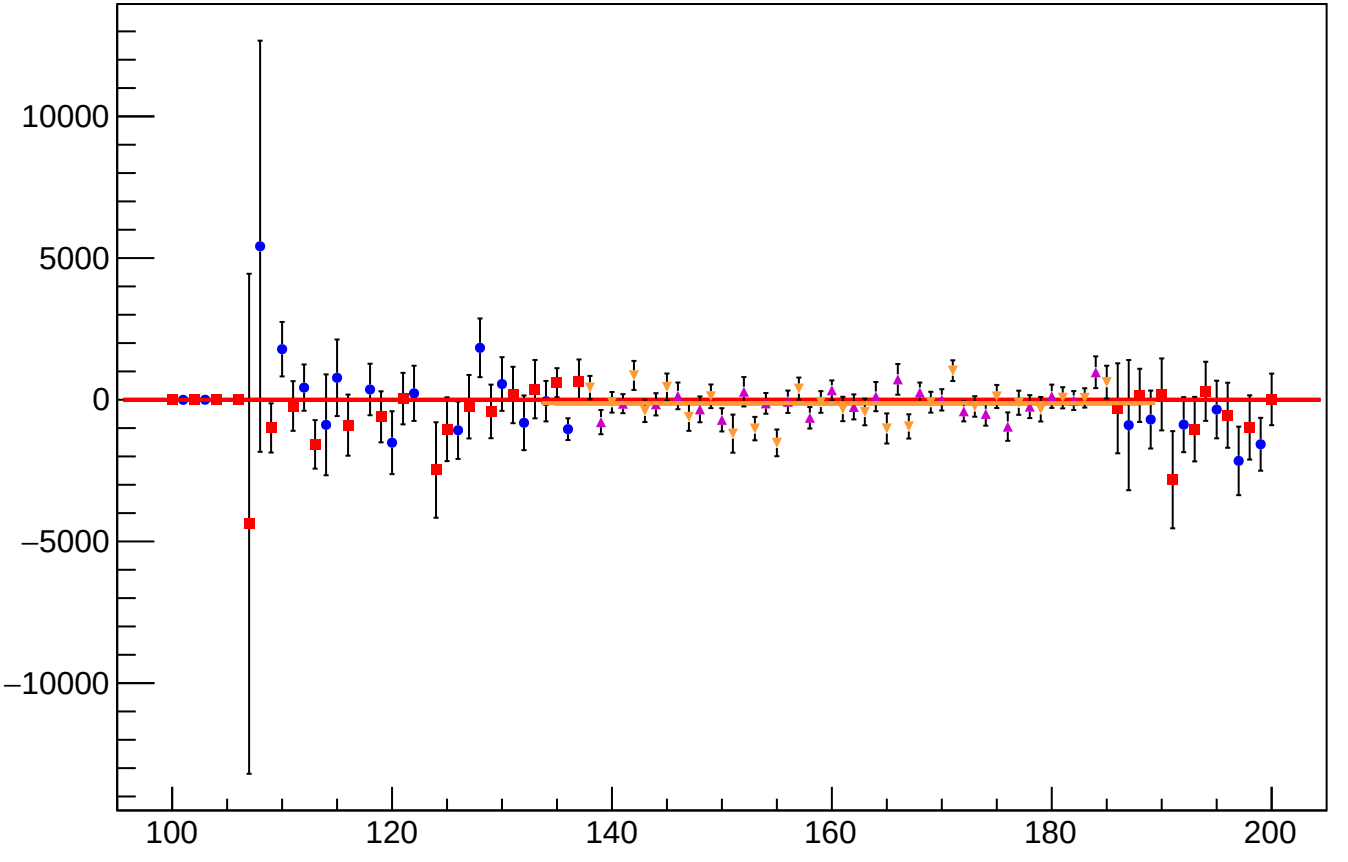
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 192.794+/-0.026 χ^2/NDF: 3963113.9/46

All: 186.421+/-0.017 χ^2/NDF: 8424435.3/97

- sign 180.883+/-0.024 χ^2/NDF: 4346003.1/50

asym_cav4bQ_mean vs Slug



Right In: -1.264+/-2.171 χ^2/NDF: 27.5/21

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.387+/-2.022 χ^2/NDF: 21.5/27

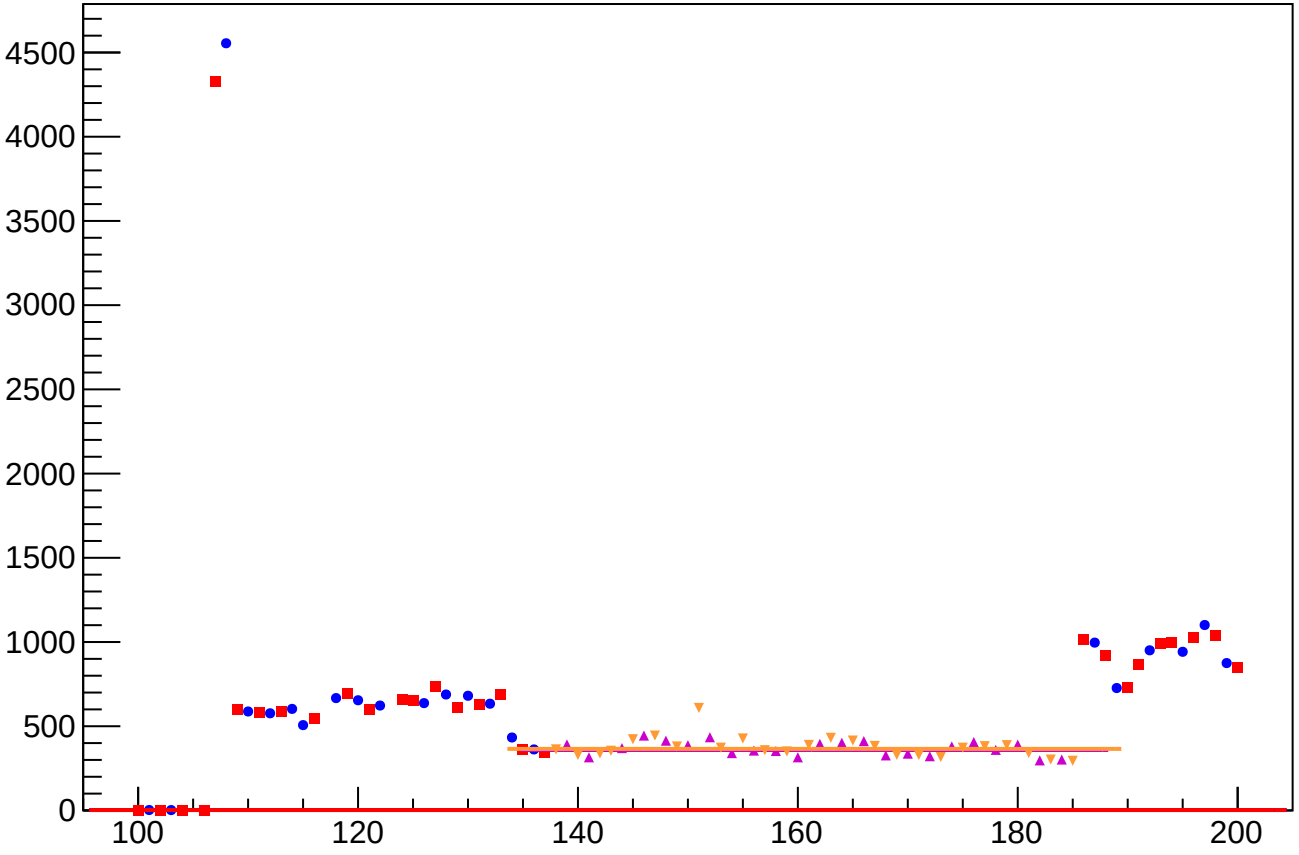
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.341+/-2.170 χ^2/NDF: 75.7/46

All: -1.405+/-1.479 χ^2/NDF: 121.2/97

- sign -1.460+/-2.022 χ^2/NDF: 45.5/50

asym_cav4bQ_rms vs Slug



Right In: 2.498+/-0.002 χ^2/NDF: 20016561.2/21

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.489+/-0.001 χ^2/NDF: 23732732.9/27

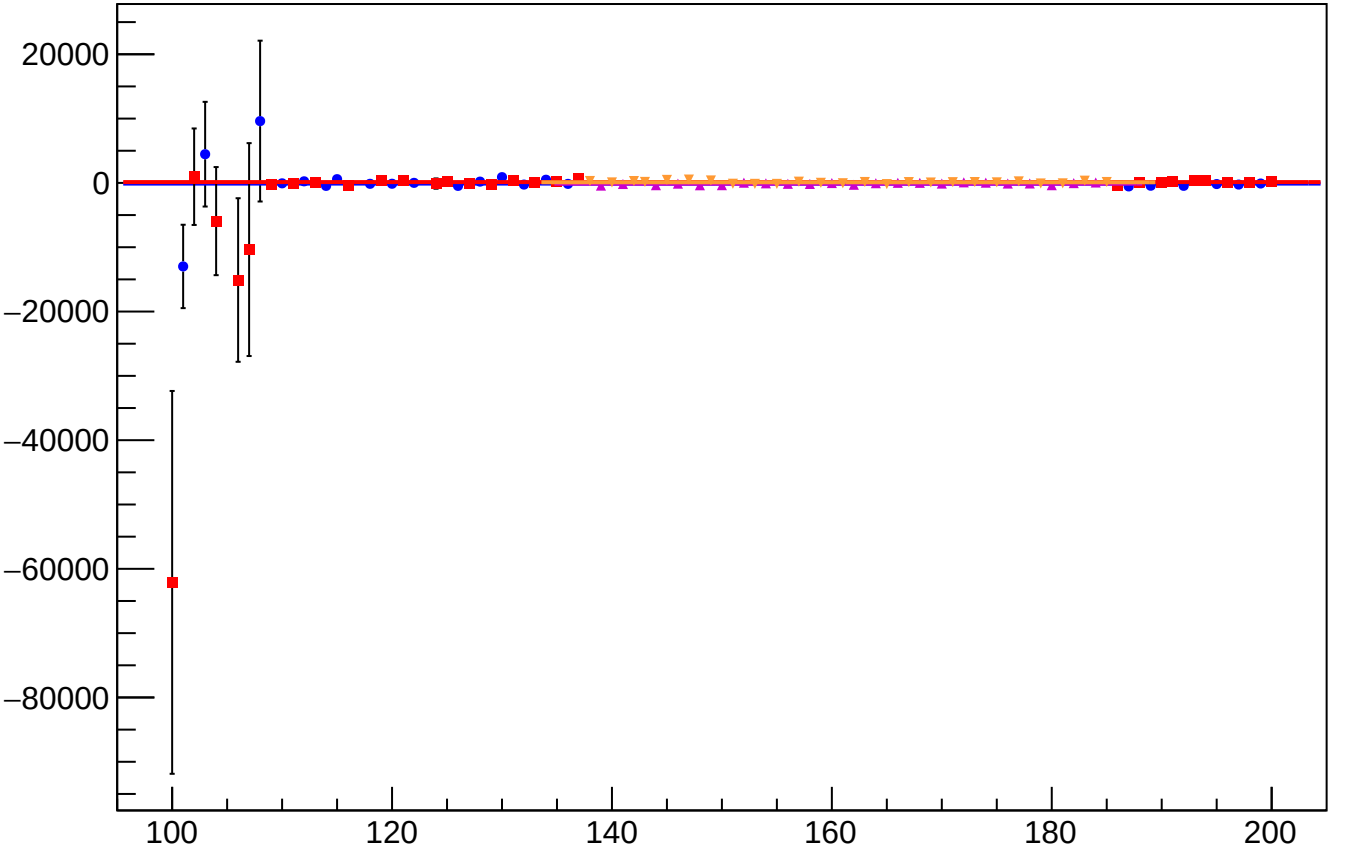
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.739+/-0.002 χ^2/NDF: 57847109.9/46

All: 2.713+/-0.001 χ^2/NDF: 117133297.5/97

- sign 2.690+/-0.001 χ^2/NDF: 59285634.9/50

asym_cav4cQ_mean vs Slug



Right In: -105.412+/-62.640 χ^2/NDF: 21.4/21

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 128.028+/-58.052 χ^2/NDF: 18.2/27

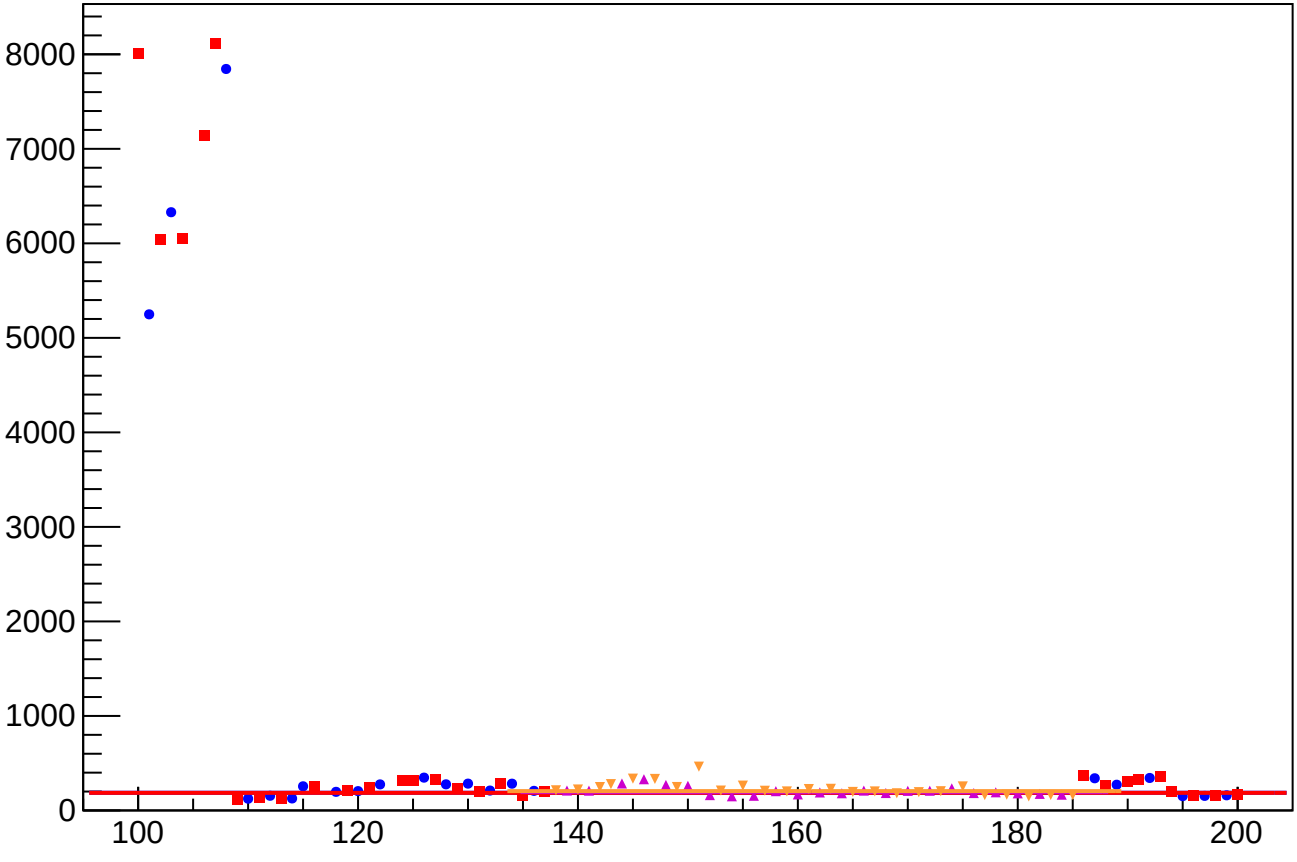
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 23.258+/-38.225 χ^2/NDF: 40.9/46

All: -0.152+/-26.401 χ^2/NDF: 80.1/97

- sign -21.508+/-36.509 χ^2/NDF: 38.5/50

asym_cav4cQ_rms vs Slug



Right In: 187.245+/-0.044 χ^2/NDF: 4791191.0/21

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 186.269+/-0.041 χ^2/NDF: 5487540.8/27

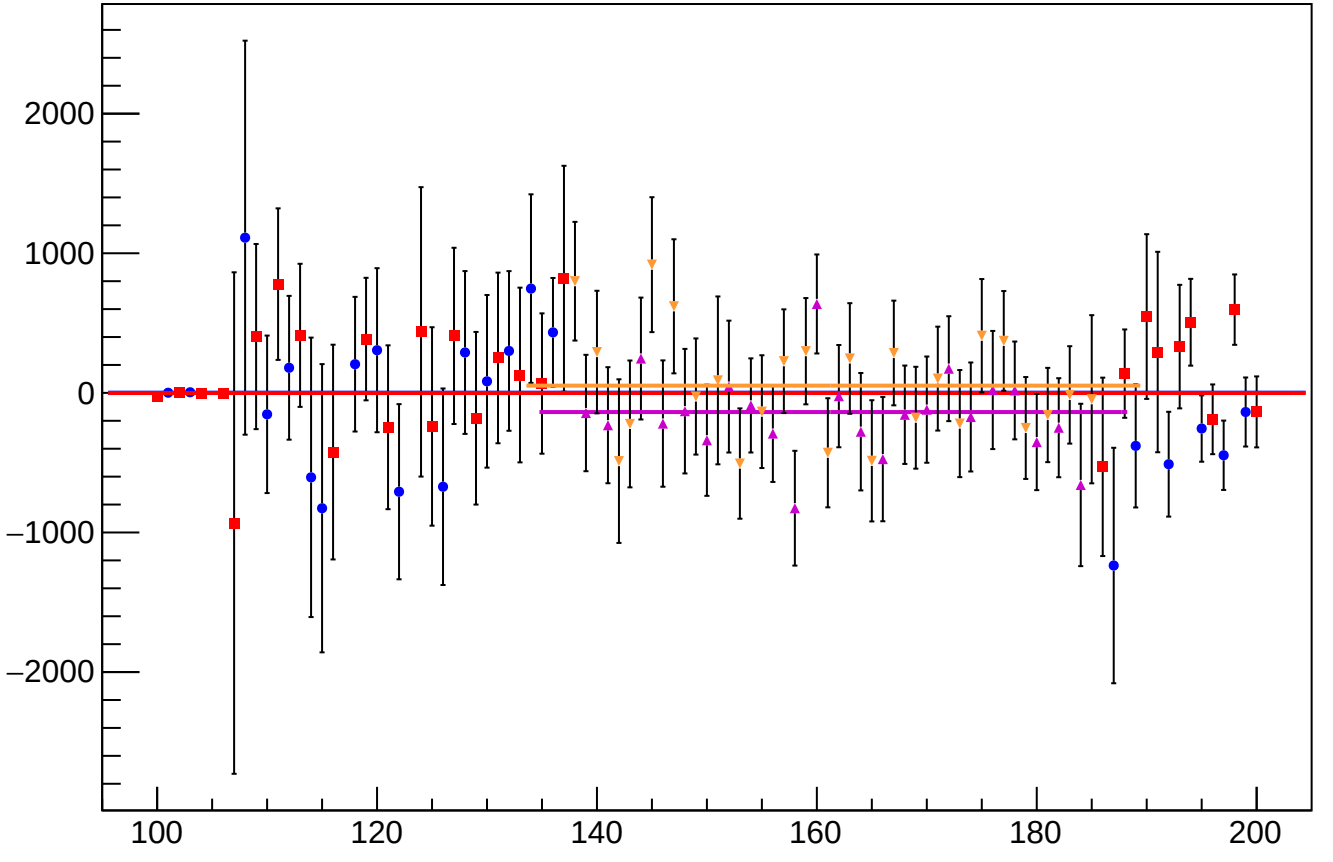
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 198.125+/-0.027 χ^2/NDF: 6862454.7/46

All: 194.336+/-0.019 χ^2/NDF: 13600031.5/97

- sign 190.879+/-0.026 χ^2/NDF: 6699991.8/50

asym_cav4dQ_mean vs Slug



Right In: 1.397+/-1.660 χ^2/NDF: 17.4/21

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.062+/-1.528 χ^2/NDF: 20.8/27

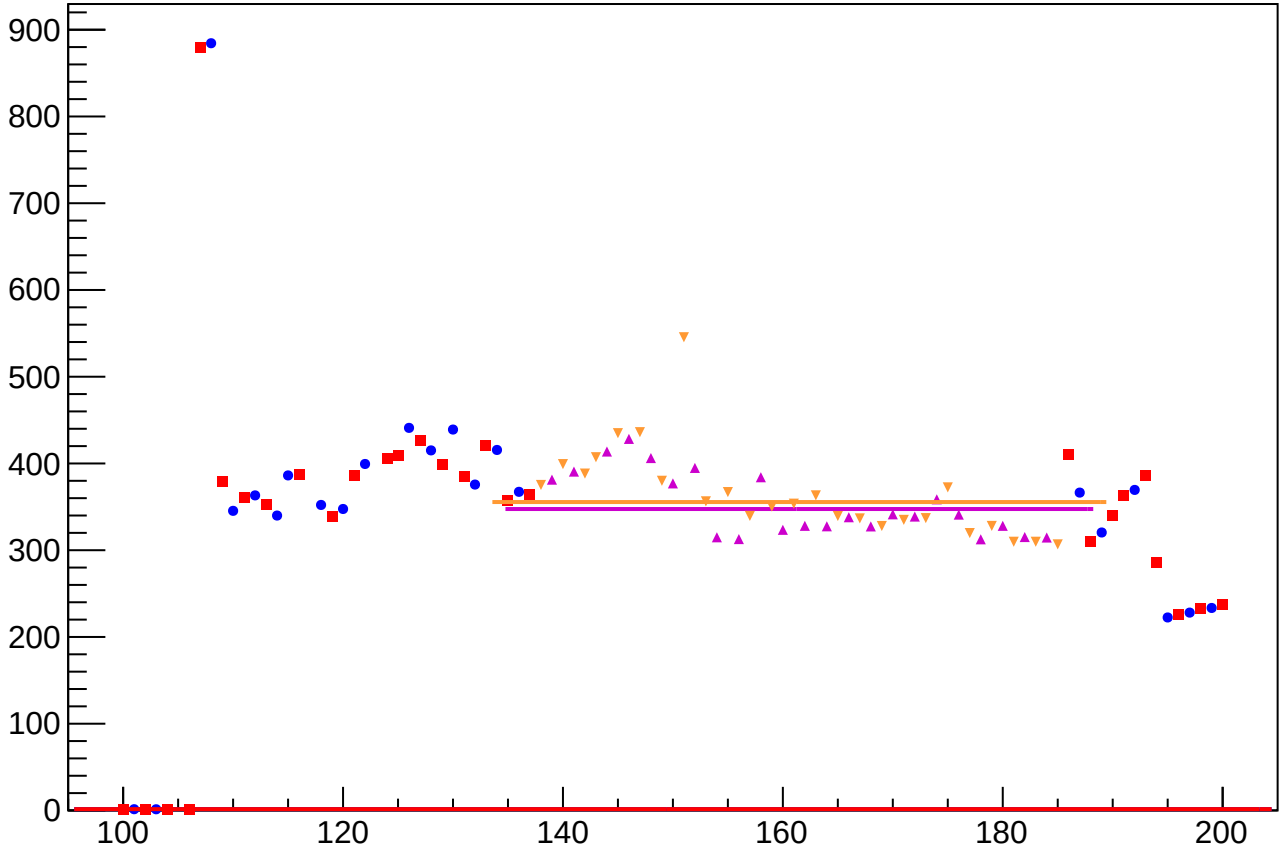
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.417+/-1.660 χ^2/NDF: 37.2/46

All: 0.049+/-1.124 χ^2/NDF: 74.1/97

- sign -1.109+/-1.527 χ^2/NDF: 35.7/50

asym_cav4dQ_rms vs Slug



Right In: 1.515+/-0.001 χ^2/NDF: 20233057.2/21

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.517+/-0.001 χ^2/NDF: 23368486.8/27

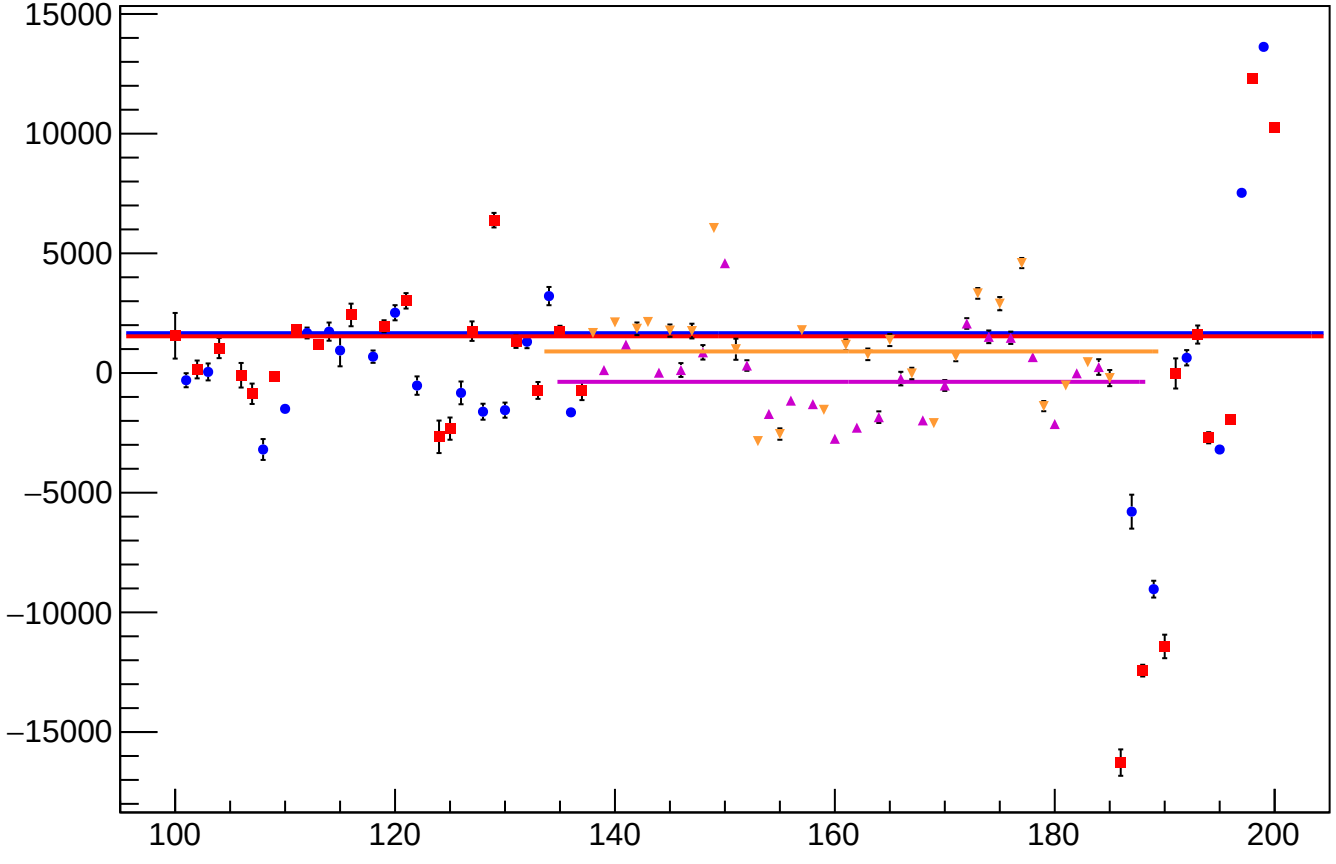
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.661+/-0.001 χ^2/NDF: 58432848.9/46

All: 1.648+/-0.001 χ^2/NDF: 117639360.4/97

\- sign 1.637+/-0.001 χ^2/NDF: 59206282.5/50

asym_bcm0l02_mean vs Slug



Right In: 1663.750+/-58.110 χ^2/NDF: 8590.6/21

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 1533.770+/-53.089 χ^2/NDF: 12267.2/27

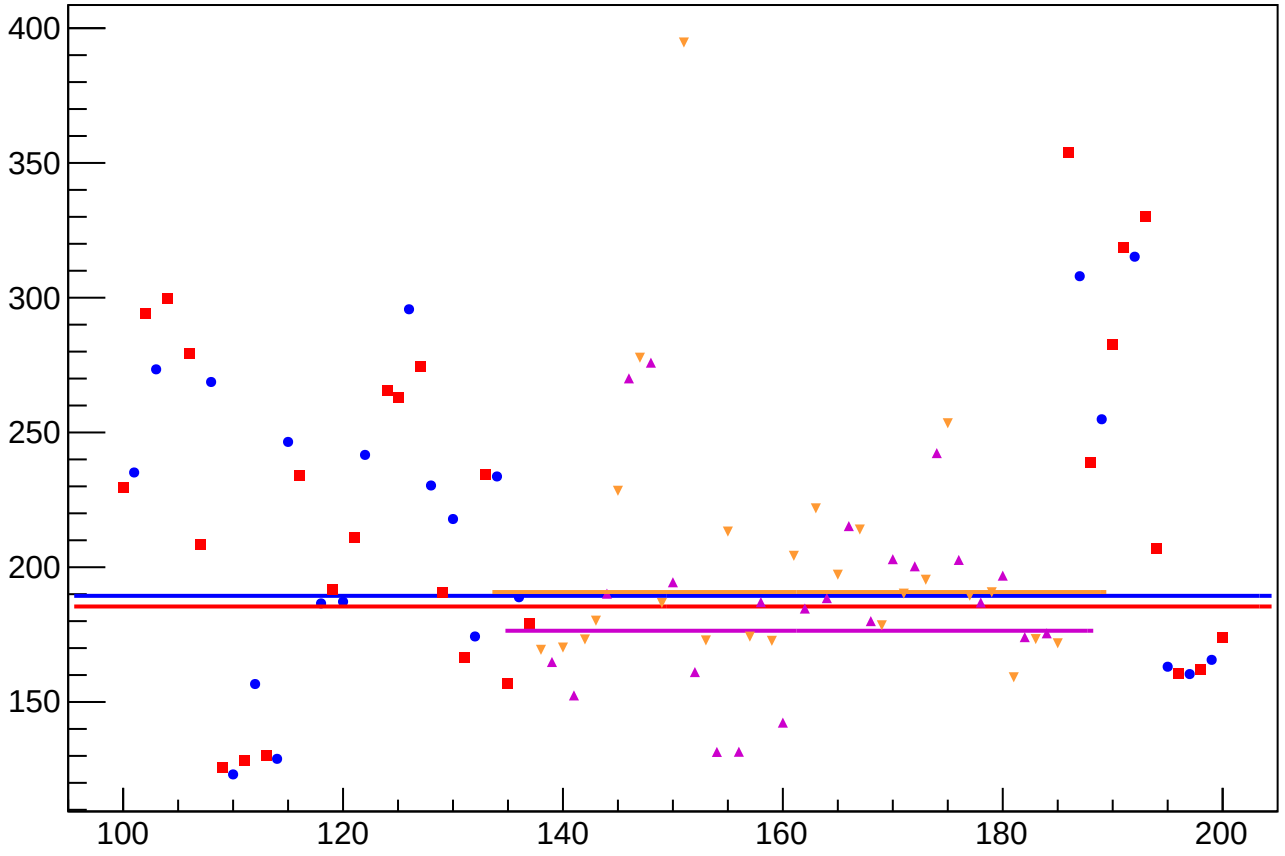
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 1183.105+/-35.321 χ^2/NDF: 11110.0/46

All: 756.991+/-24.219 χ^2/NDF: 26024.3/97

- sign 378.860+/-33.273 χ^2/NDF: 14639.6/50

asym_bcm0l02_rms vs Slug



Right In: 189.384+/-0.041 χ^2/NDF: 1333838.8/21

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 185.431+/-0.038 χ^2/NDF: 2095538.3/27

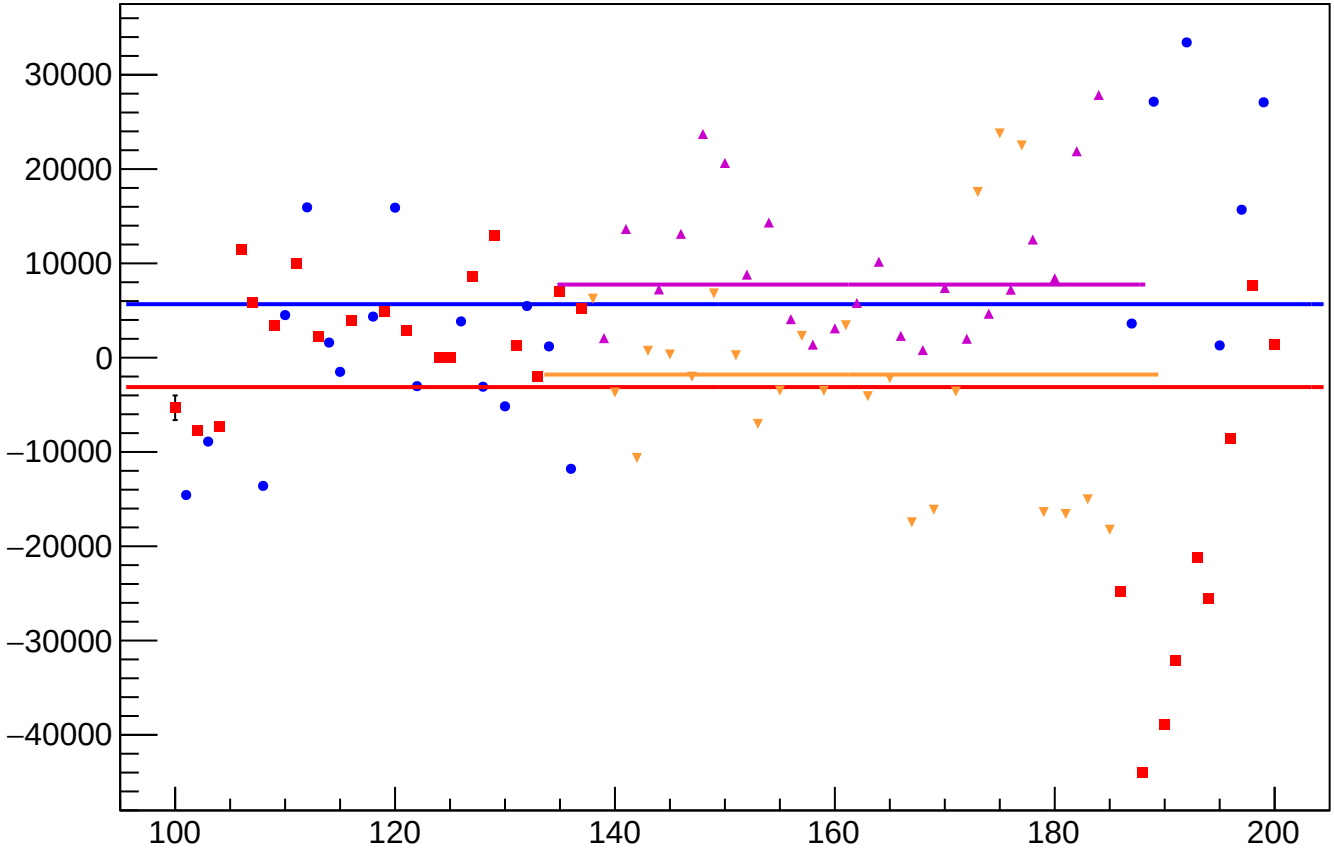
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 190.277+/-0.025 χ^2/NDF: 2354187.2/46

All: 184.814+/-0.017 χ^2/NDF: 5832587.9/97

- sign 179.966+/-0.024 χ^2/NDF: 3388099.1/50

asym_bpm0i02WS_mean vs Slug



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3117.391+/-42.139 χ^2/NDF: 132985.0/27

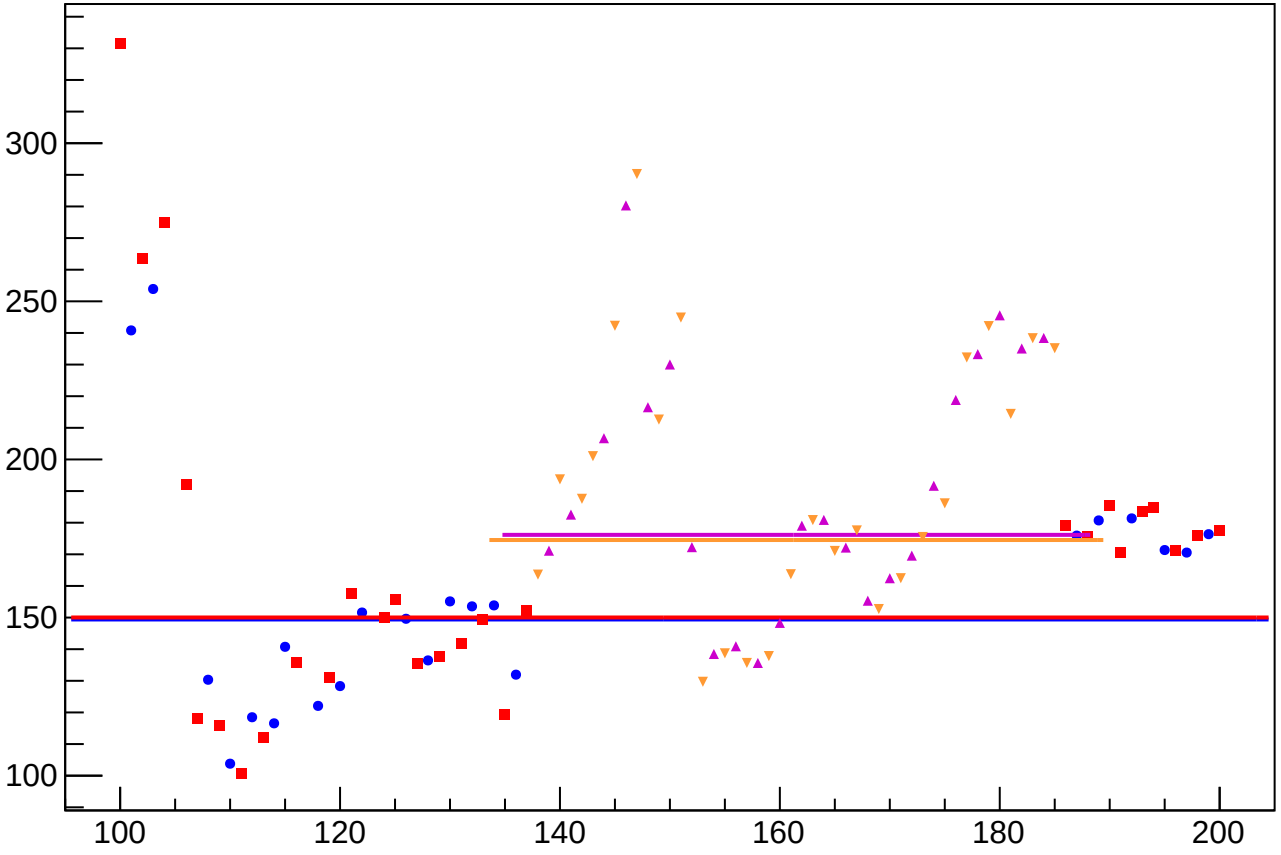
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1531.157+/-30.476 χ^2/NDF: 168718.5/46

All: 1903.519+/-21.361 χ^2/NDF: 358217.3/97

- sign 2263.102+/-29.948 χ^2/NDF: 189205.4/50

asym_bpm0i02WS_rms vs Slug



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

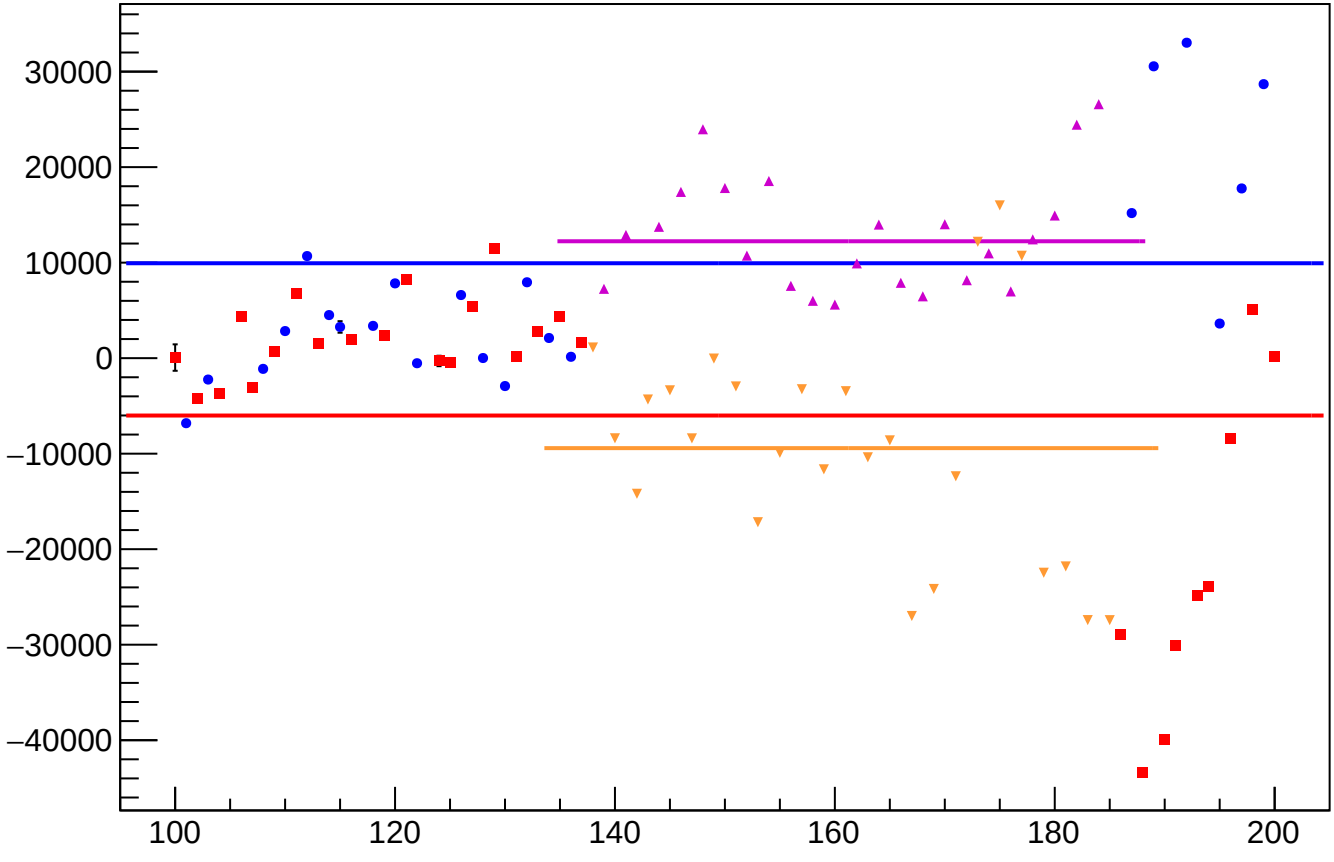
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

\+ sign 163.340+/-0.022 χ^2/NDF: 2926788.4/46

All: 163.144+/-0.015 χ^2/NDF: 6039302.0/97

\- sign 162.956+/-0.021 χ^2/NDF: 3112352.3/50

asym_bpm0i02aWS_mean vs Slug



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6006.725+/-48.510 χ^2/NDF: 103373.4/27

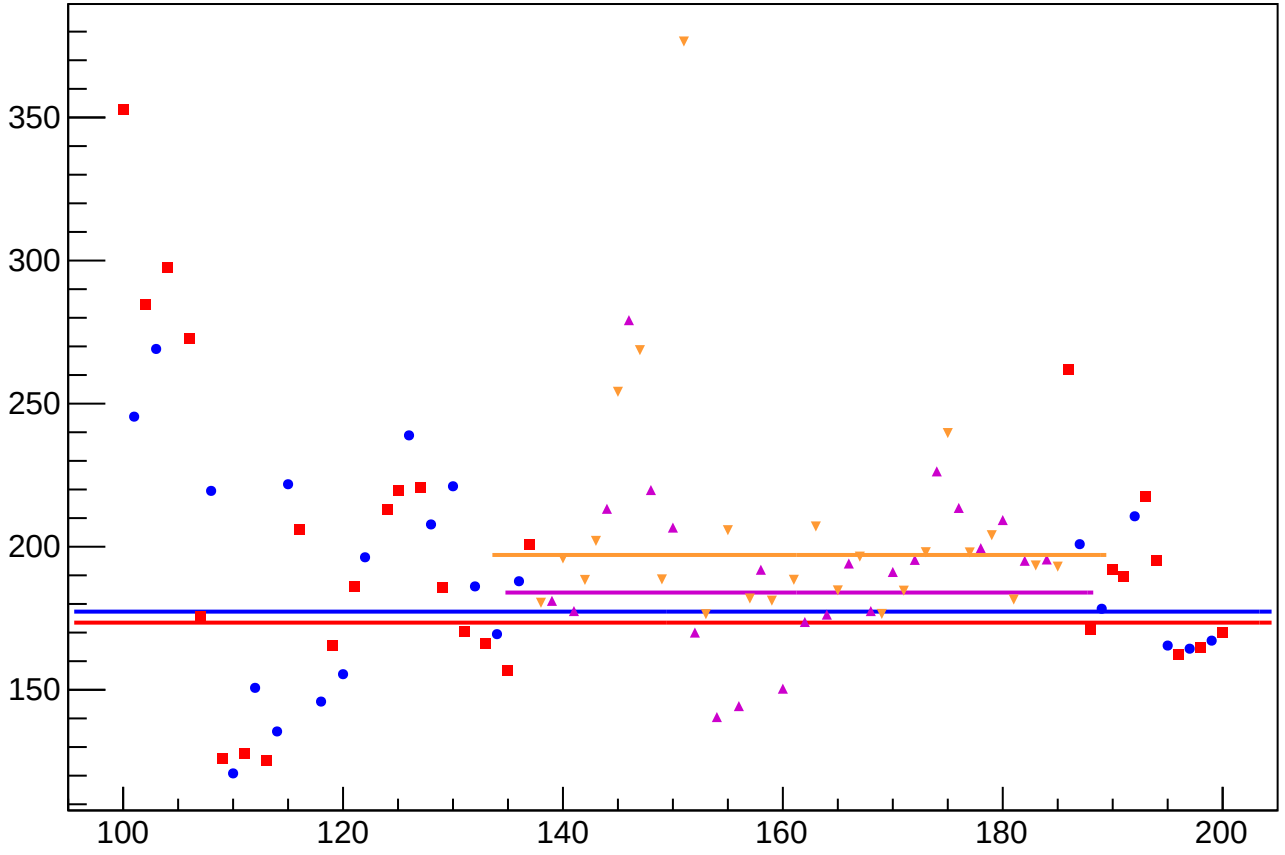
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -1295.212+/-34.810 χ^2/NDF: 188121.7/46

All: 1500.690+/-23.822 χ^2/NDF: 396946.6/97

- sign 3963.300+/-32.670 χ^2/NDF: 196691.8/50

asym_bpm0i02aWS_rms vs Slug



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

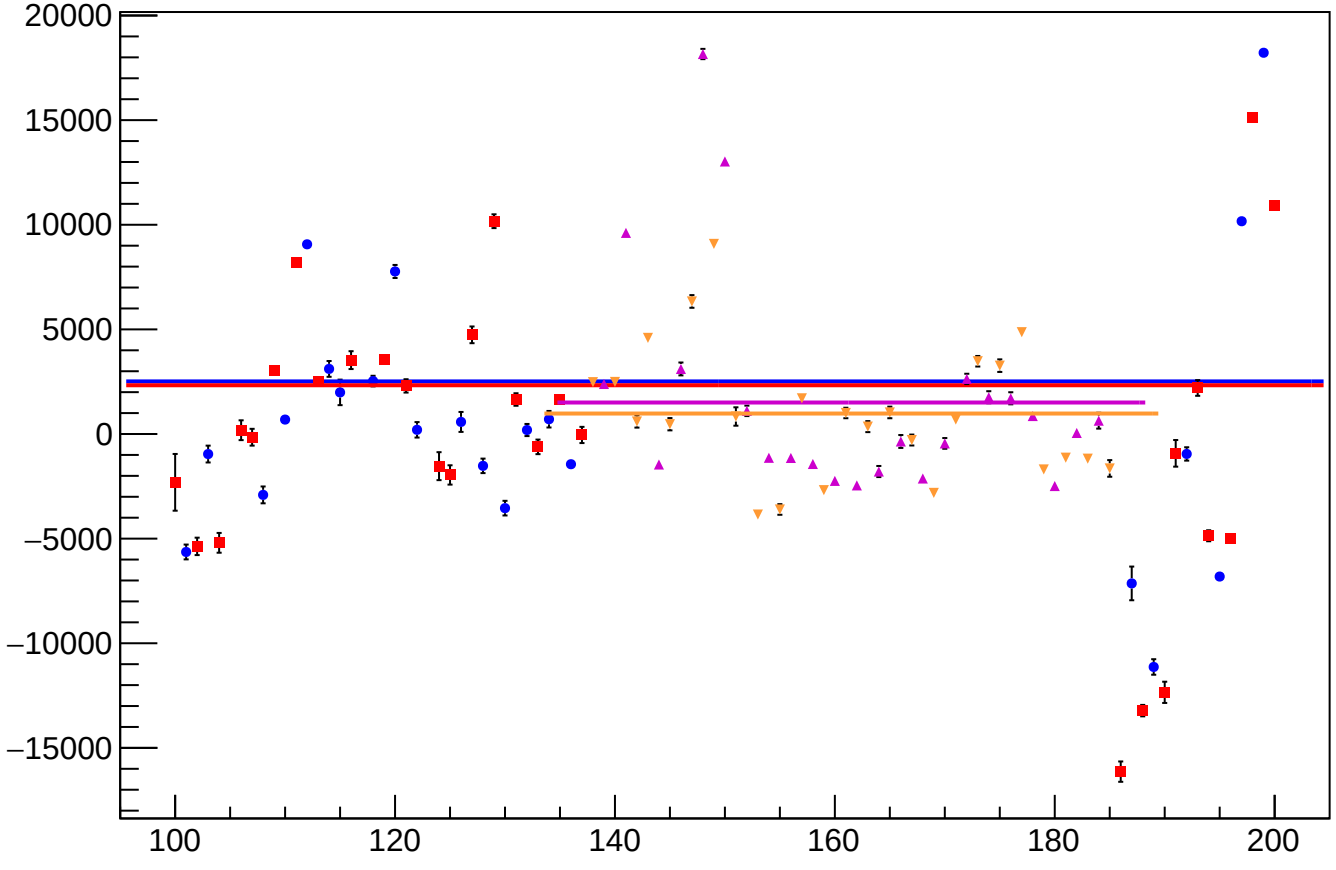
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.811+/-0.025 χ^2/NDF: 1644888.6/46

All: 183.710+/-0.017 χ^2/NDF: 3800024.7/97

- sign 179.218+/-0.023 χ^2/NDF: 2074374.8/50

asym_bpm0i05WS_mean vs Slug



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2329.786+/-54.964 χ^2/NDF: 16208.1/27

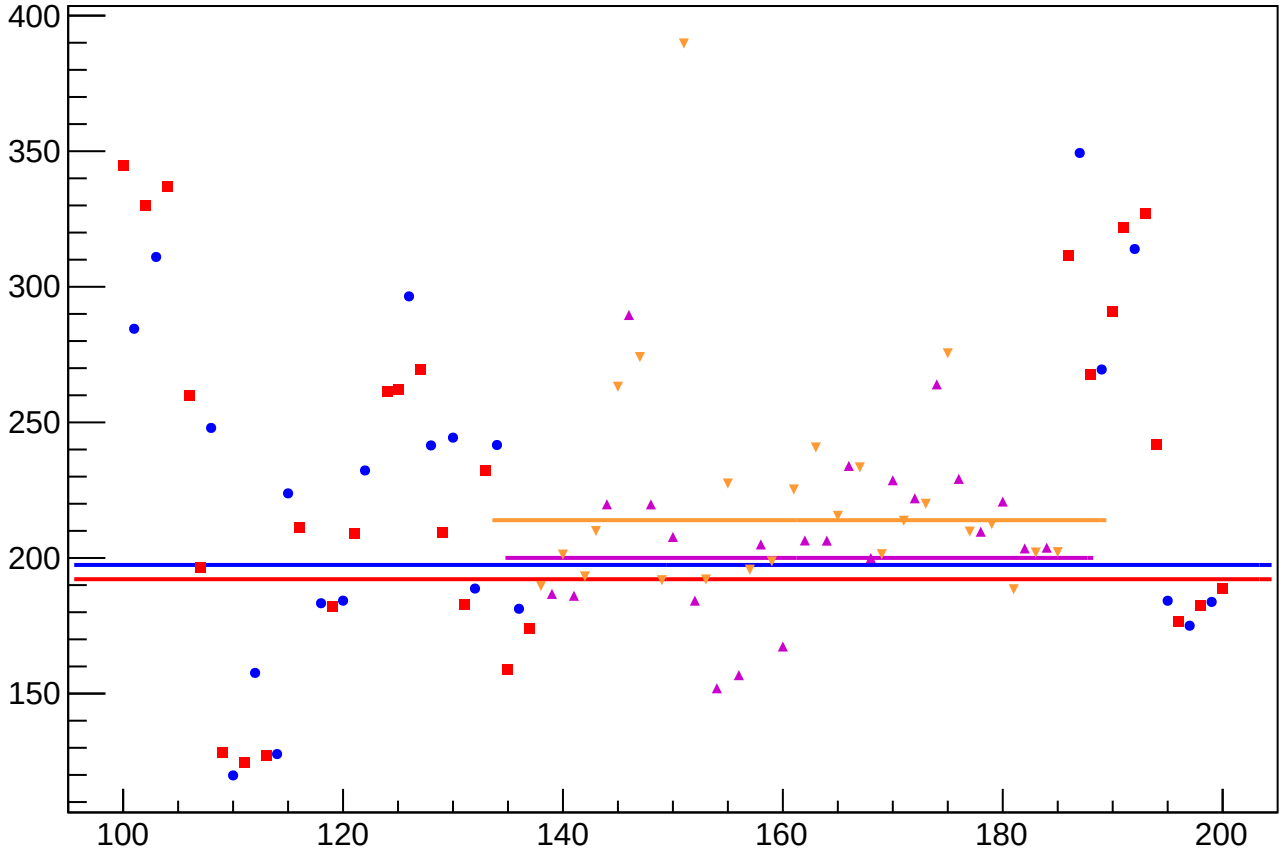
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1593.420+/-38.407 χ^2/NDF: 19648.5/46

All: 1735.919+/-26.333 χ^2/NDF: 47490.8/97

\- sign 1862.344+/-36.176 χ^2/NDF: 27816.3/50

asym_bpm0i05WS_rms vs Slug



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

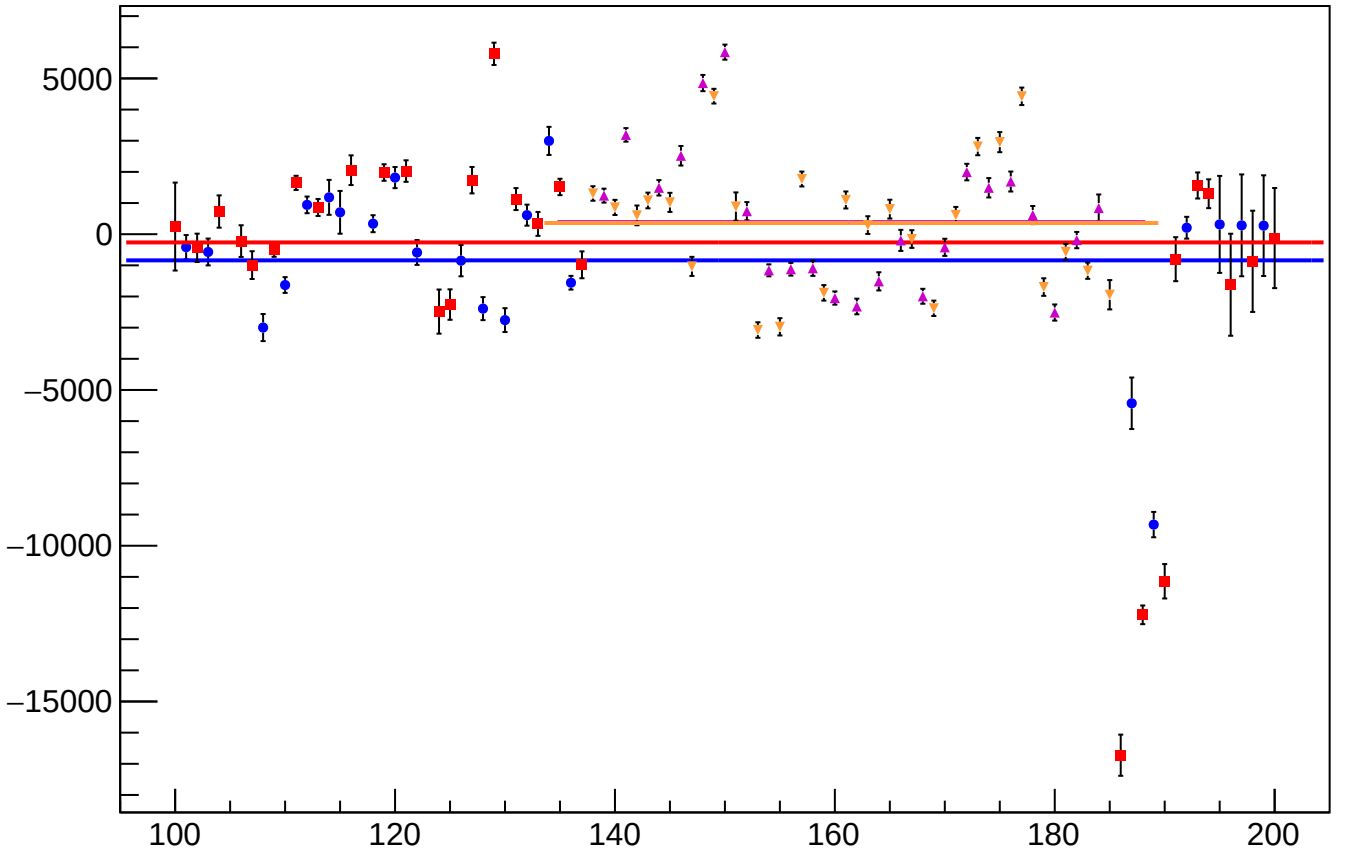
Right Out: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.323+/-0.027 χ^2/NDF: 2251624.6/46

All: 201.655+/-0.019 χ^2/NDF: 5376159.4/97

- sign 196.626+/-0.026 χ^2/NDF: 3042333.4/50



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.191+/-73.948 χ^2/NDF: 3268.9/27

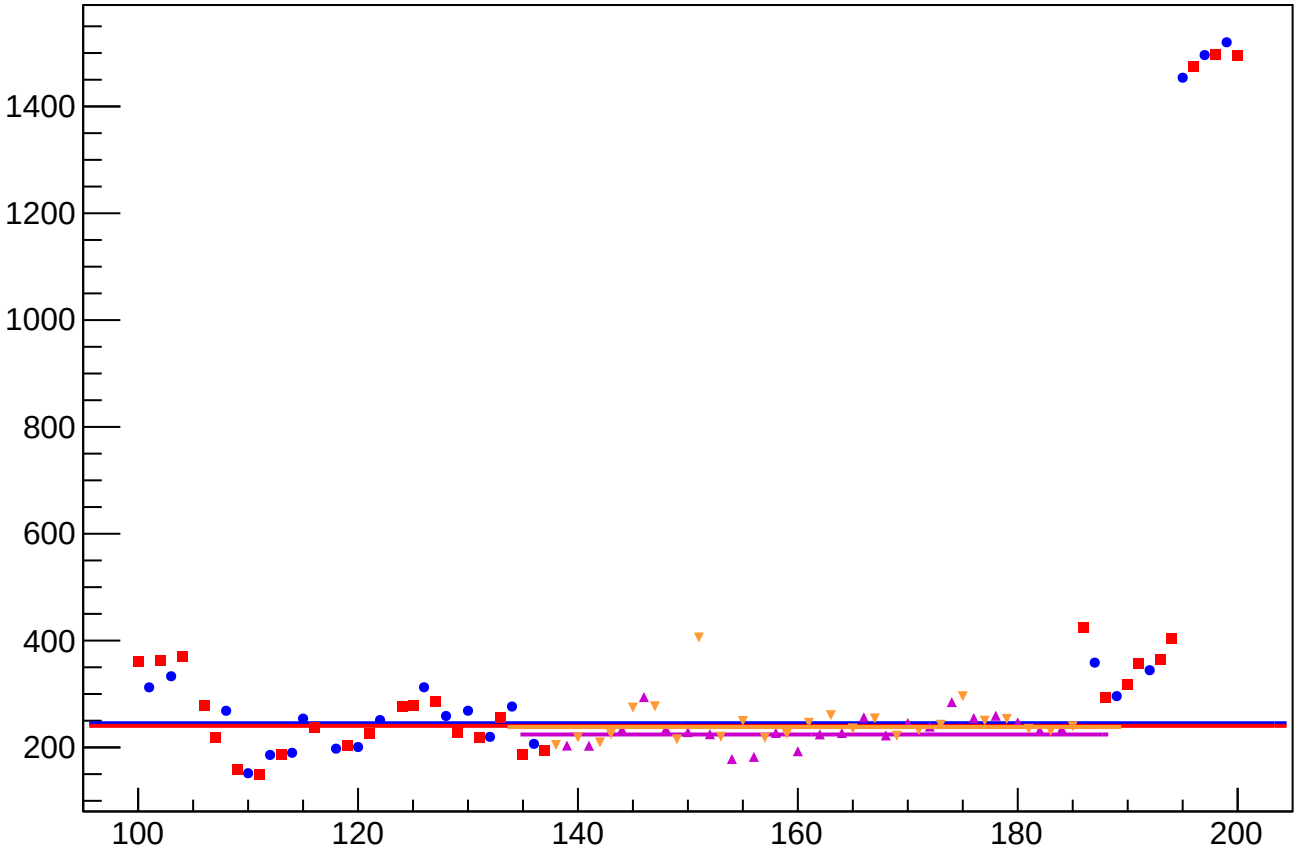
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.172+/-45.616 χ^2/NDF: 2364.8/46

All: 78.462+/-31.428 χ^2/NDF: 7496.8/97

- sign 163.066+/-43.360 χ^2/NDF: 5123.9/50

asym_bpm0i07WS_rms vs Slug



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

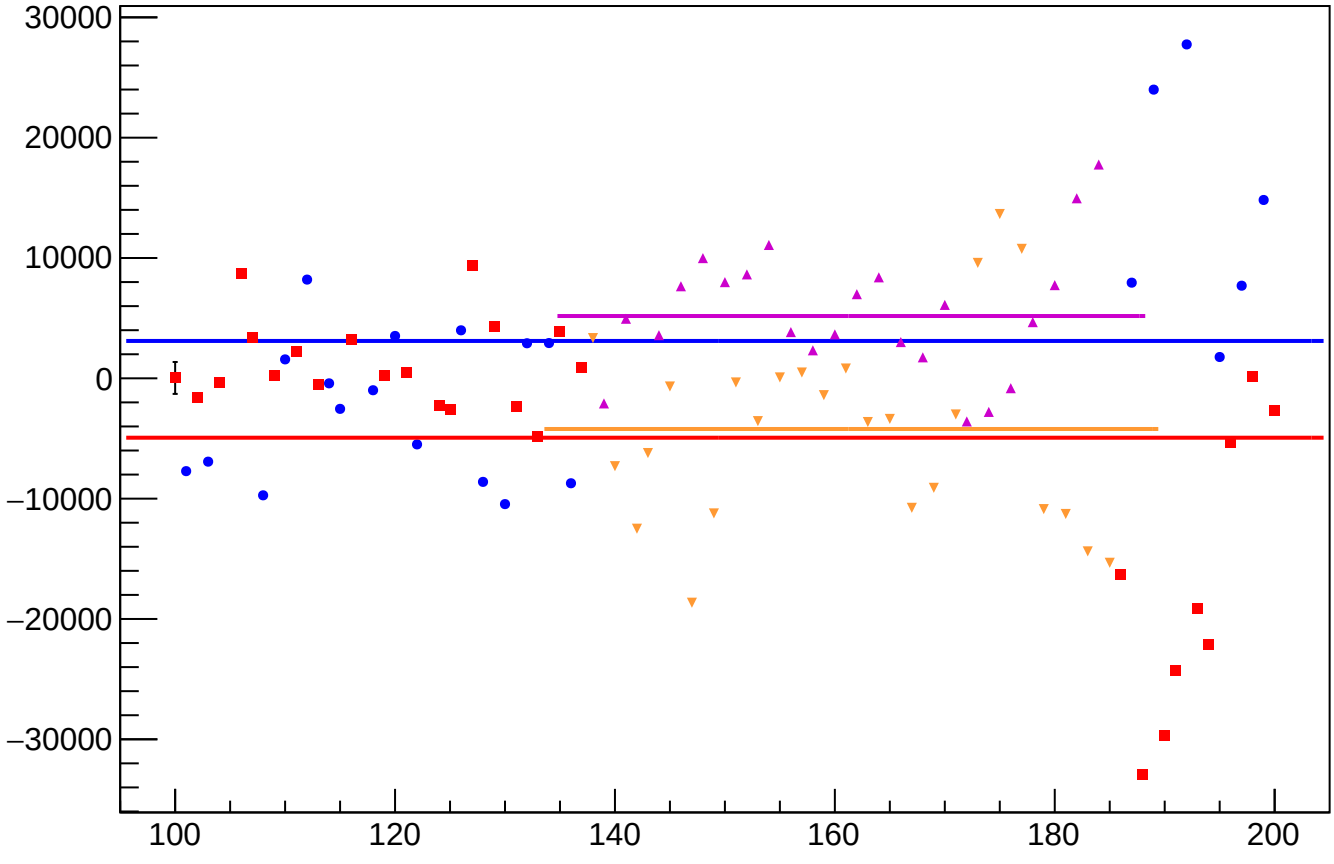
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 240.399+/-0.032 χ^2/NDF: 5196046.9/46

All: 234.816+/-0.022 χ^2/NDF: 11355650.0/97

- sign 229.772+/-0.031 χ^2/NDF: 6102577.0/50

asym_bpm1i02WS_mean vs Slug



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -4935.137+/-35.527 χ^2/NDF: 102493.8/27

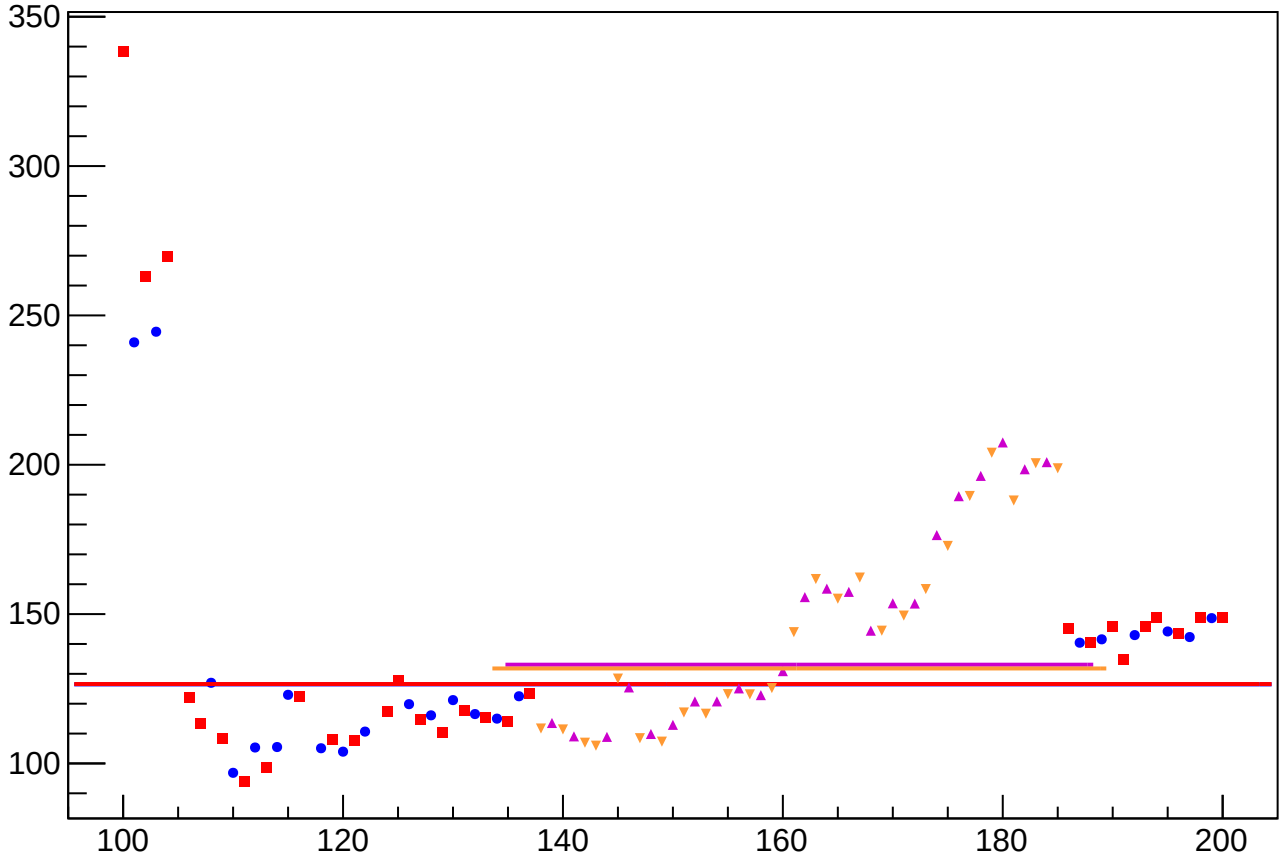
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1377.595+/-24.133 χ^2/NDF: 154228.9/46

All: -346.626+/-16.933 χ^2/NDF: 323636.2/97

- sign 653.069+/-23.764 χ^2/NDF: 165812.6/50

asym_bpm1i02WS_rms vs Slug



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

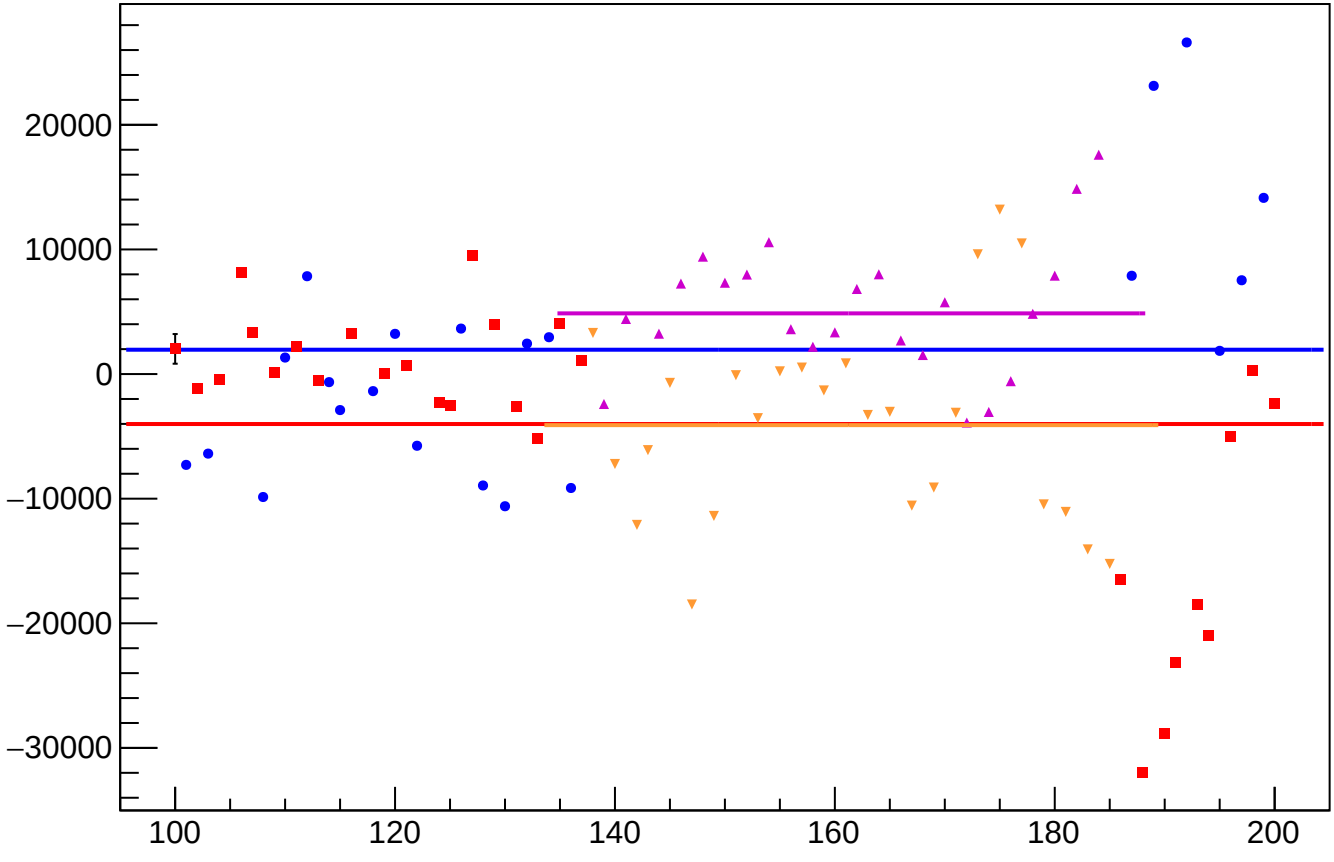
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.732+/-0.017 χ^2/NDF: 2486679.0/46

All: 129.950+/-0.012 χ^2/NDF: 5137675.9/97

- sign 130.162+/-0.017 χ^2/NDF: 2650674.3/50

asym_bpm2i01WS_mean vs Slug



Right In: 1953.094+/-35.025 χ^2/NDF: 82312.5/21

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4009.765+/-32.441 χ^2/NDF: 107999.4/27

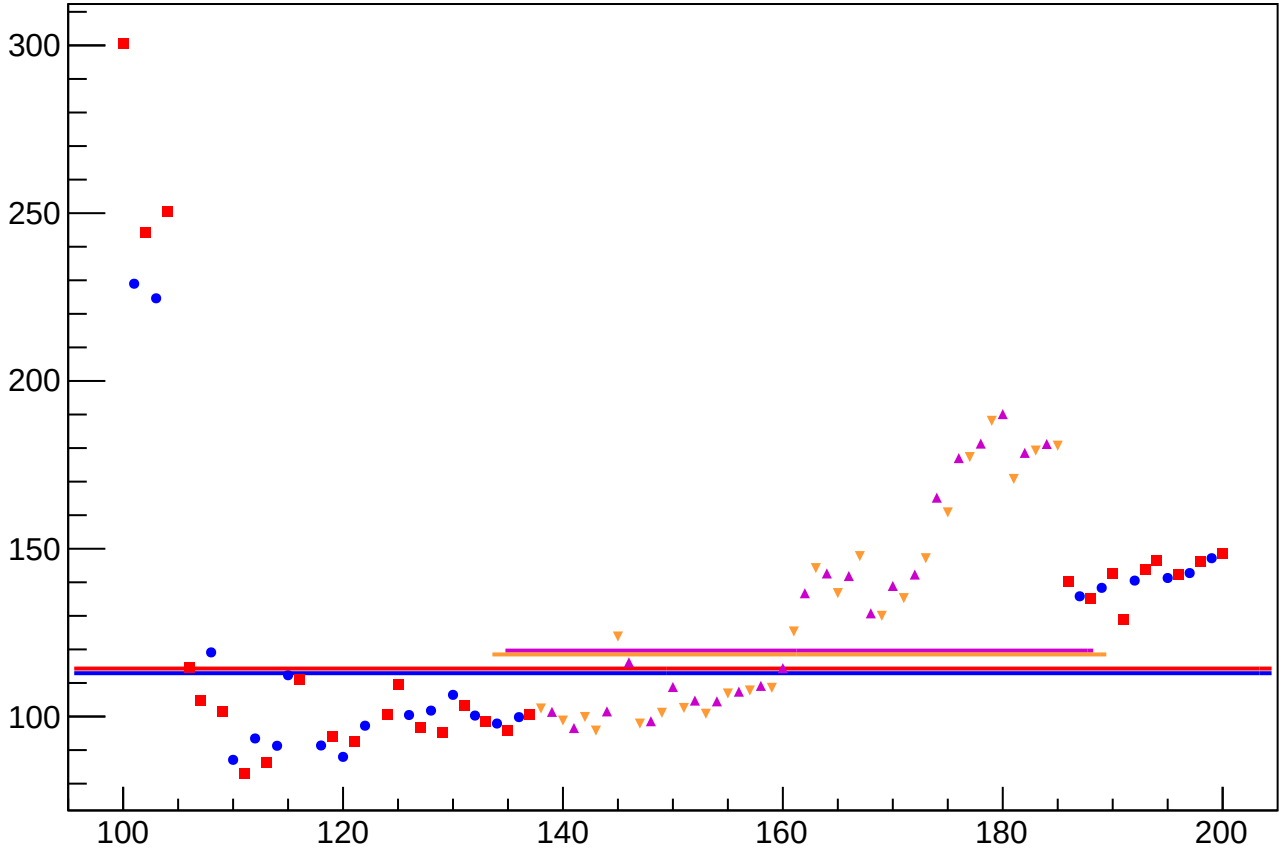
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1762.768+/-21.761 χ^2/NDF: 166915.3/46

All: -390.209+/-15.309 χ^2/NDF: 346591.0/97

- sign 954.761+/-21.541 χ^2/NDF: 171798.9/50

asym_bpm2i01WS_rms vs Slug



Right In: 112.911+/-0.025 χ^2/NDF: 1312499.3/21

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 114.295+/-0.023 χ^2/NDF: 1654167.7/27

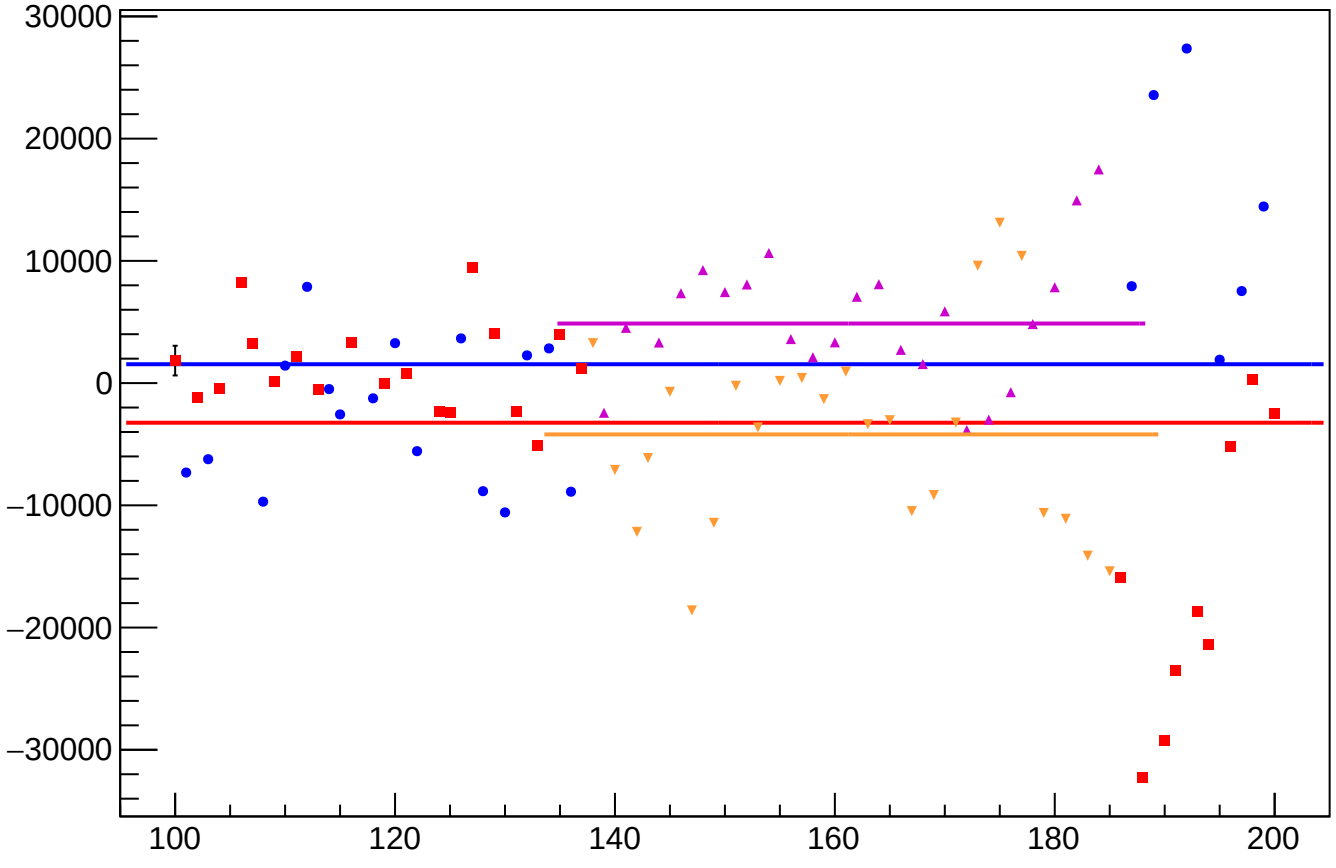
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 116.344+/-0.015 χ^2/NDF: 2970927.2/46

All: 116.819+/-0.011 χ^2/NDF: 6169783.8/97

- sign 117.286+/-0.015 χ^2/NDF: 3196962.3/50

asym_bpm2i02WS_mean vs Slug



Right In: 1544.374+/-34.196 χ^2/NDF: 81104.7/21

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3241.277+/-31.841 χ^2/NDF: 101015.3/27

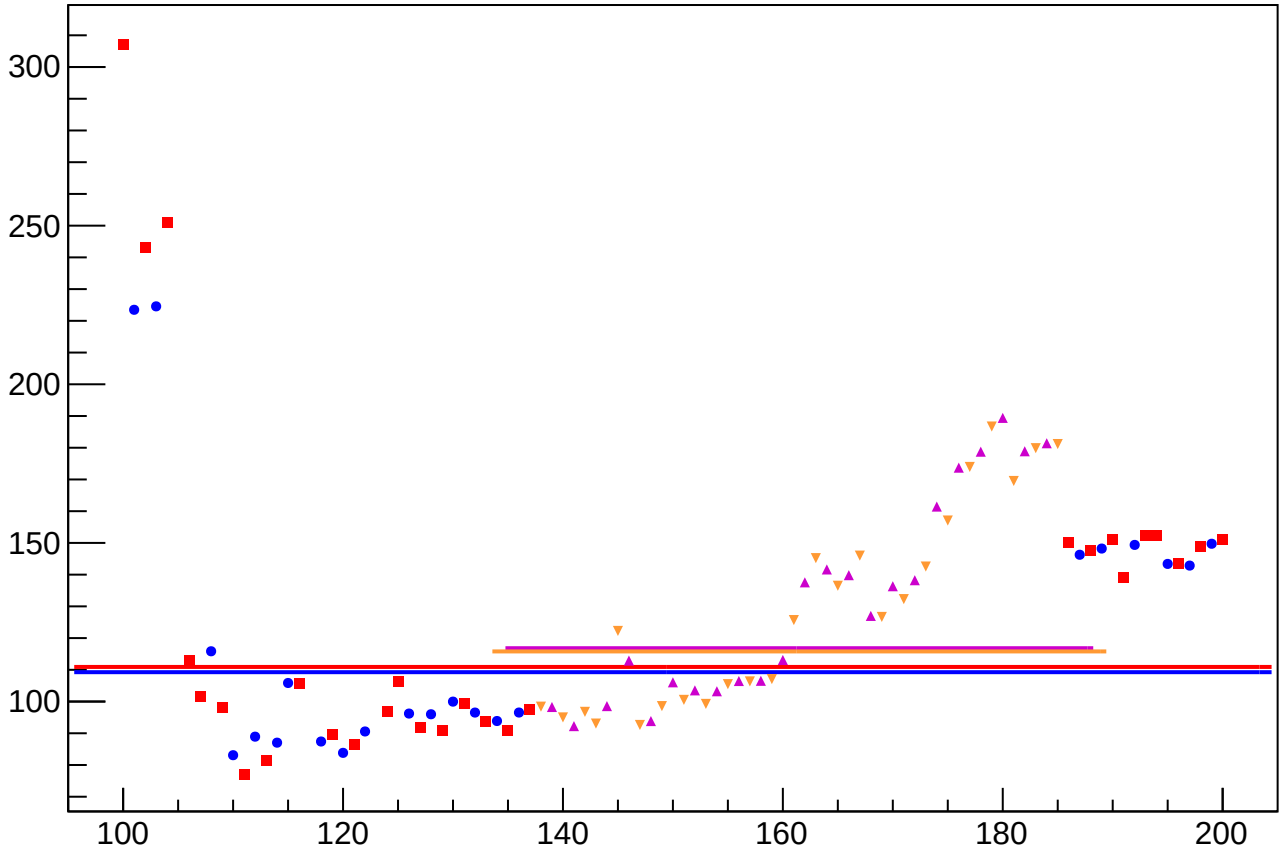
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1971.321+/-21.292 χ^2/NDF: 168782.9/46

All: -318.585+/-14.991 χ^2/NDF: 341065.9/97

- sign 1306.120+/-21.111 χ^2/NDF: 160335.0/50

asym_bpm2i02WS_rms vs Slug



Right In: 109.254+/-0.024 χ^2/NDF: 1593081.8/21

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

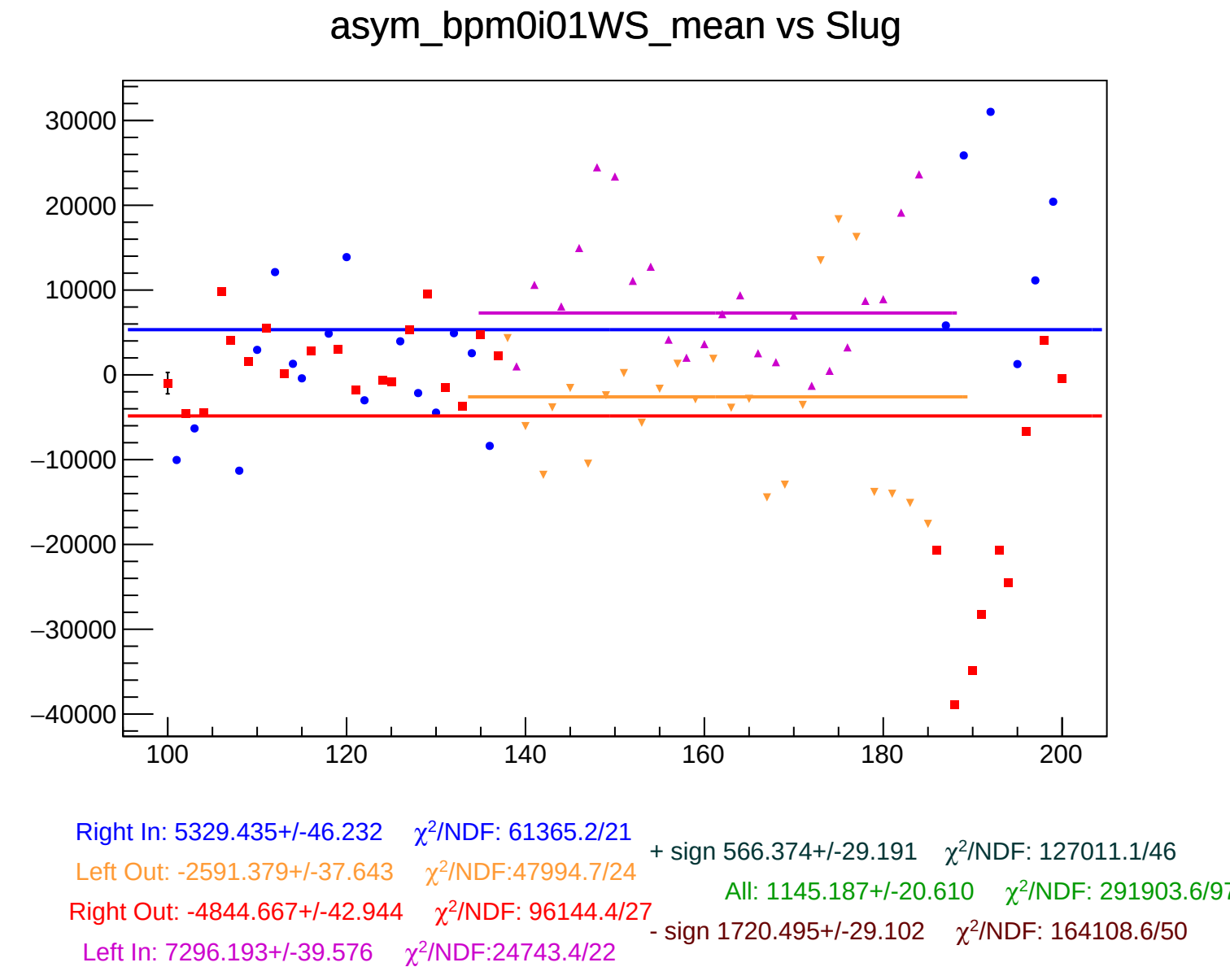
Right Out: 110.908+/-0.023 χ^2/NDF: 2134533.2/27

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

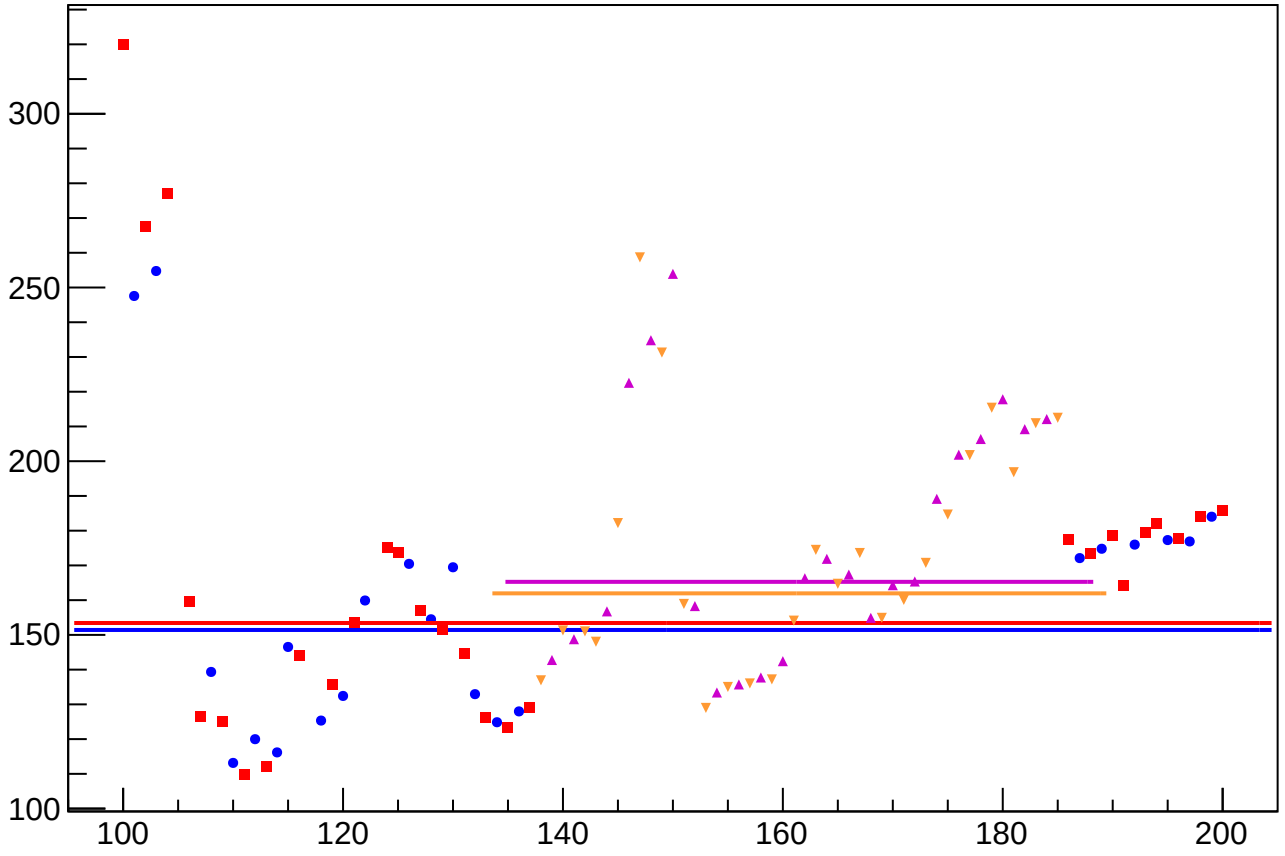
+ sign 113.261+/-0.015 χ^2/NDF: 3386954.9/46

All: 113.742+/-0.011 χ^2/NDF: 7179653.4/97

- sign 114.215+/-0.015 χ^2/NDF: 3790674.8/50


asym_bpm0i01WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5329.435+/-46.232 χ²/NDF: 61365.2/21
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: -4844.667+/-42.944 χ²/NDF: 96144.4/27
Left In: 7296.193+/-39.576 χ²/NDF:24743.4/22
+ sign 566.374+/-29.191 χ²/NDF: 127011.1/46
All: 1145.187+/-20.610 χ²/NDF: 291903.6/97
- sign 1720.495+/-29.102 χ²/NDF: 164108.6/50

asym_bpm0i01WS_rms vs Slug



Right In: 151.418+/-0.033 χ^2/NDF: 941443.3/21

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

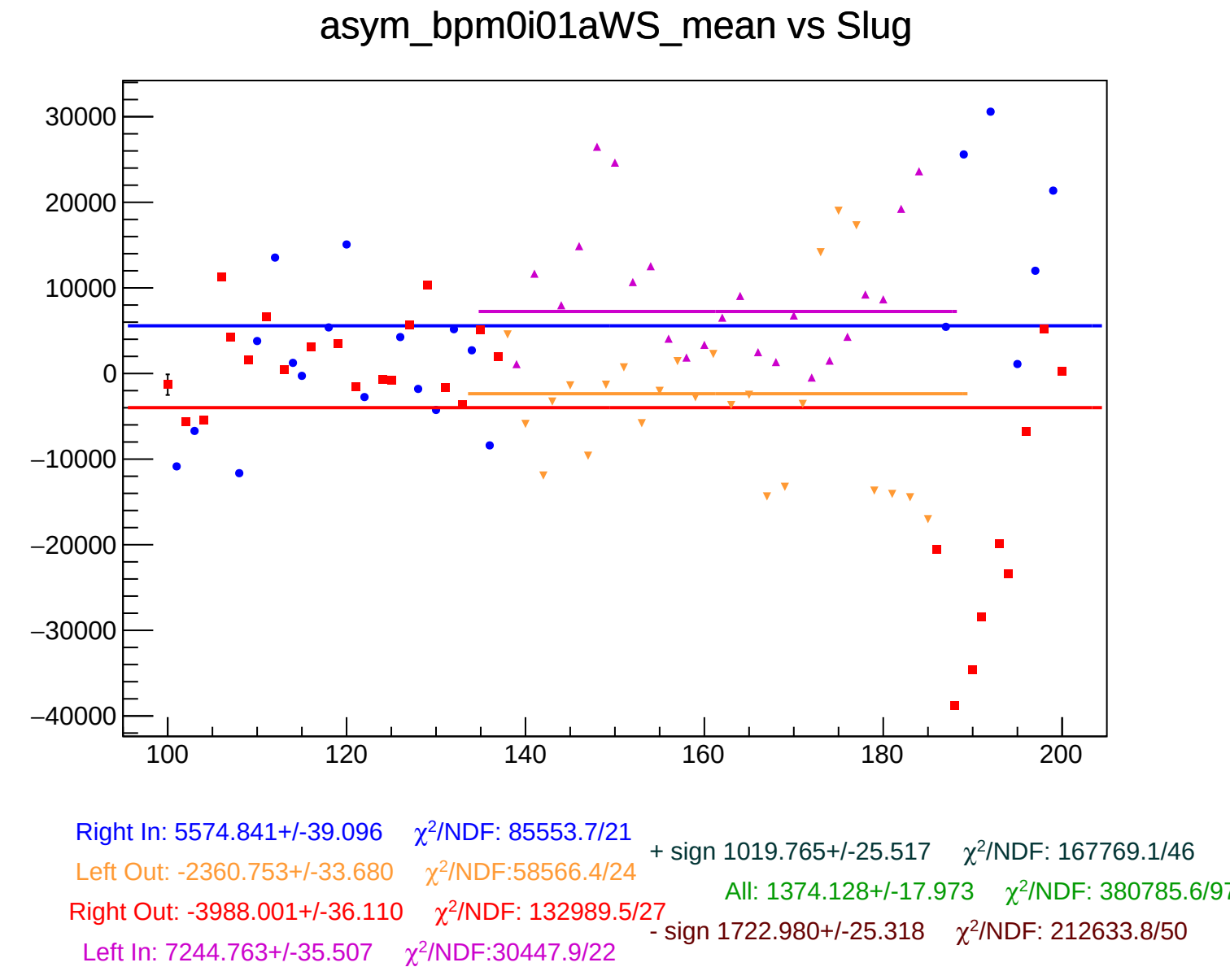
Right Out: 153.427+/-0.030 χ^2/NDF: 1205605.8/27

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

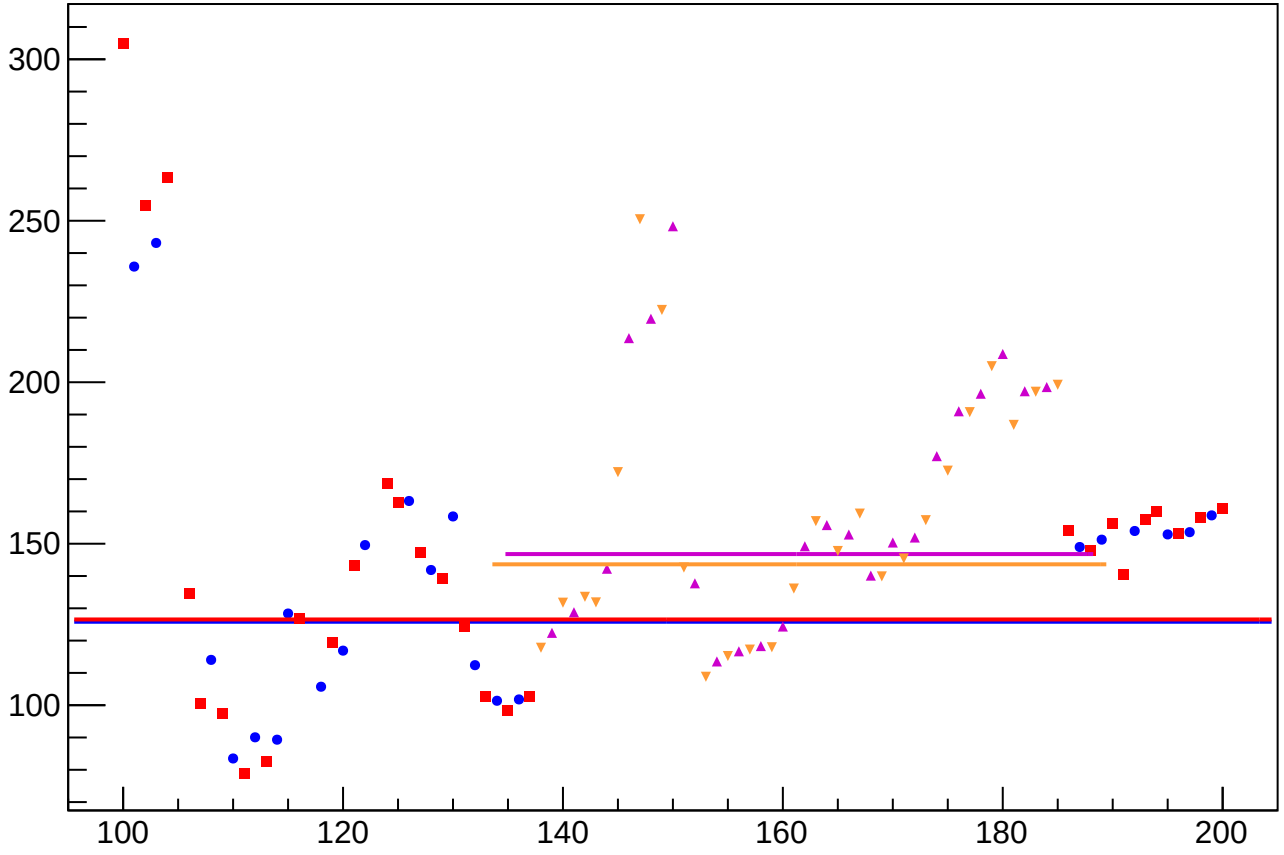
+ sign 157.755+/-0.021 χ^2/NDF: 2148752.2/46

All: 158.797+/-0.015 χ^2/NDF: 4620817.2/97

- sign 159.832+/-0.021 χ^2/NDF: 2466986.7/50


asym_bpm0i01aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5574.841+/-39.096 χ²/NDF: 85553.7/21
Left Out: -2360.753+/-33.680 χ²/NDF:58566.4/24
Right Out: -3988.001+/-36.110 χ²/NDF: 132989.5/27
Left In: 7244.763+/-35.507 χ²/NDF:30447.9/22
+ sign 1019.765+/-25.517 χ²/NDF: 167769.1/46
All: 1374.128+/-17.973 χ²/NDF: 380785.6/97
- sign 1722.980+/-25.318 χ²/NDF: 212633.8/50

asym_bpm0i01aWS_rms vs Slug



Right In: 125.840+/-0.028 χ^2/NDF: 1510590.6/21

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 126.547+/-0.026 χ^2/NDF: 1968560.8/27

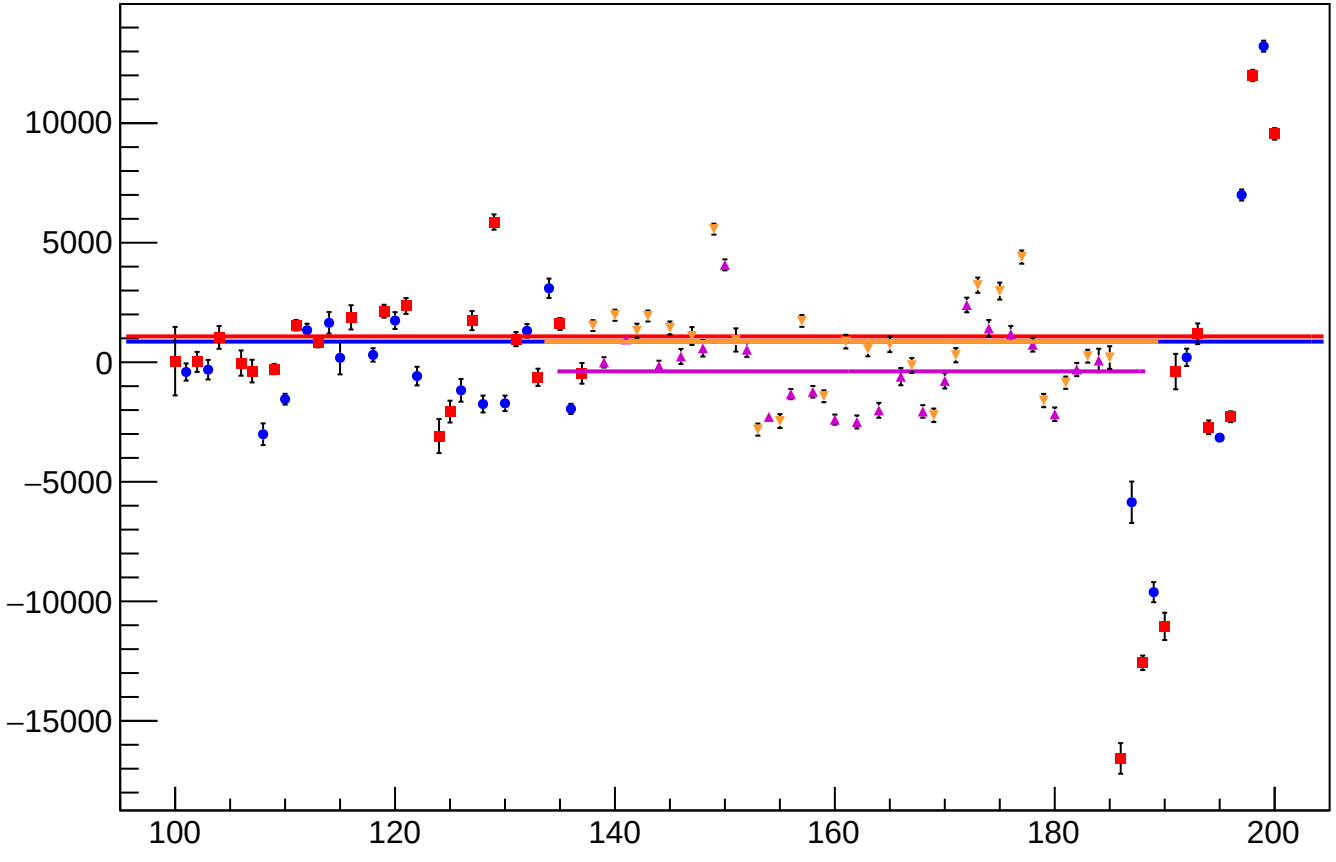
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 136.047+/-0.018 χ^2/NDF: 3410913.6/46

All: 136.447+/-0.013 χ^2/NDF: 7394641.6/97

- sign 136.840+/-0.018 χ^2/NDF: 3982753.7/50

asym_bpm0l01WS_mean vs Slug



Right In: 864.767+/-67.005 χ^2/NDF: 5188.1/21

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 1082.553+/-61.815 χ^2/NDF: 7474.3/27

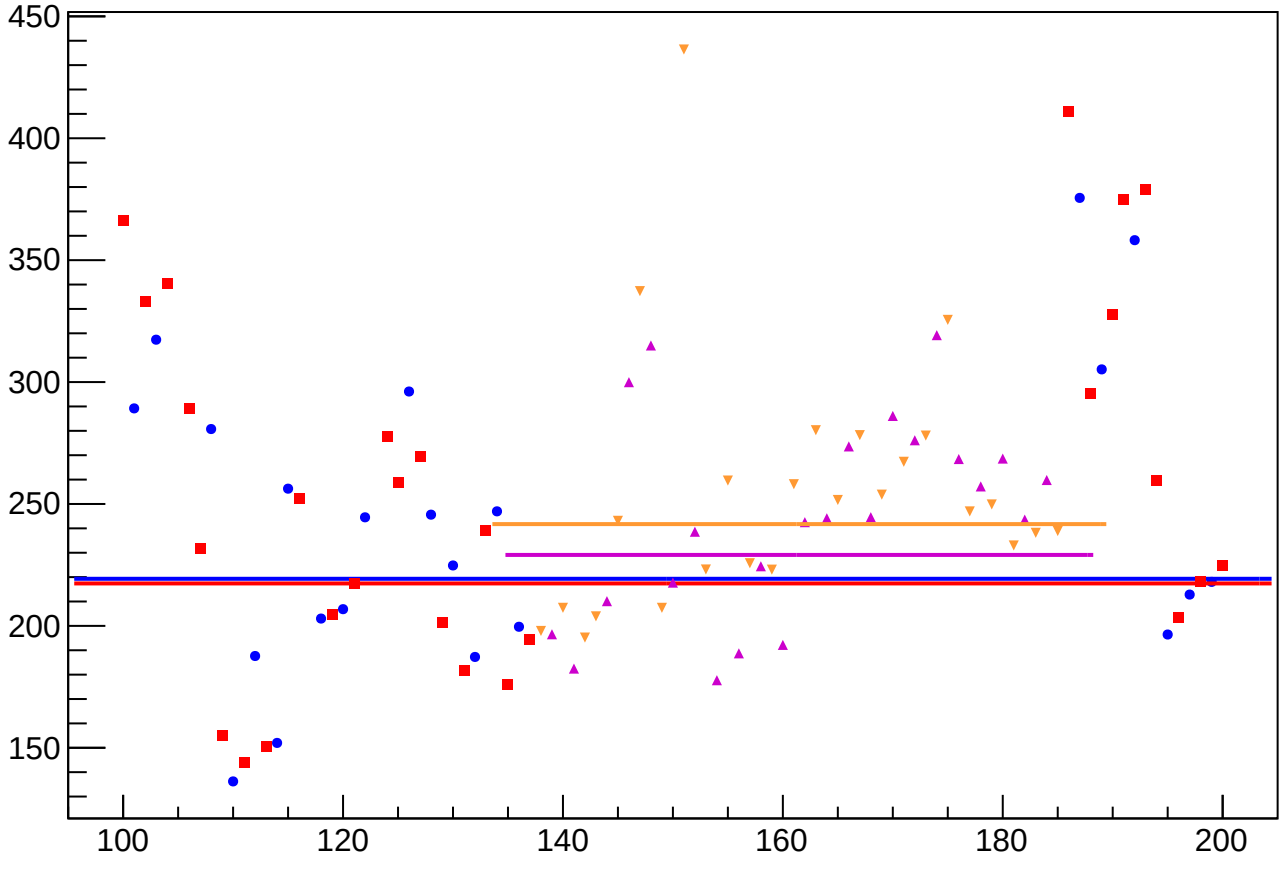
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 858.401+/-43.076 χ^2/NDF: 6631.9/46

All: 549.438+/-29.753 χ^2/NDF: 15499.2/97

- sign 267.535+/-41.146 χ^2/NDF: 8768.9/50

asym_bpm0l01WS_rms vs Slug



Right In: 219.315+/-0.047 χ^2/NDF: 1171108.7/21

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.410+/-0.044 χ^2/NDF: 1903080.8/27

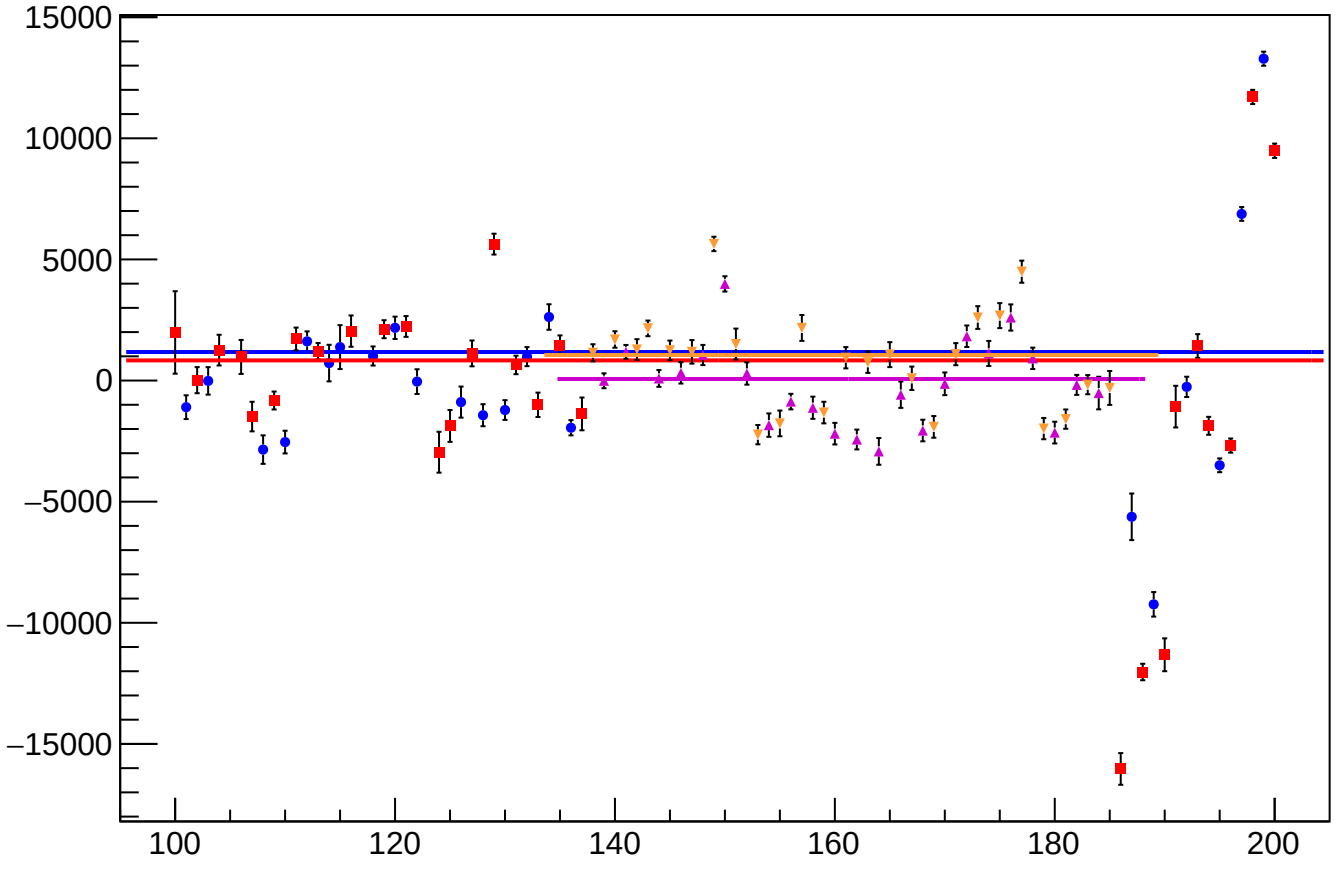
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.475+/-0.030 χ^2/NDF: 2289006.1/46

All: 228.003+/-0.021 χ^2/NDF: 5342142.6/97

- sign 223.922+/-0.029 χ^2/NDF: 3011903.2/50

asym_bpm0l02WS_mean vs Slug



Right In: 1177.504+/-91.596 χ^2/NDF: 3225.8/21

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 832.160+/-84.821 χ^2/NDF: 5115.7/27

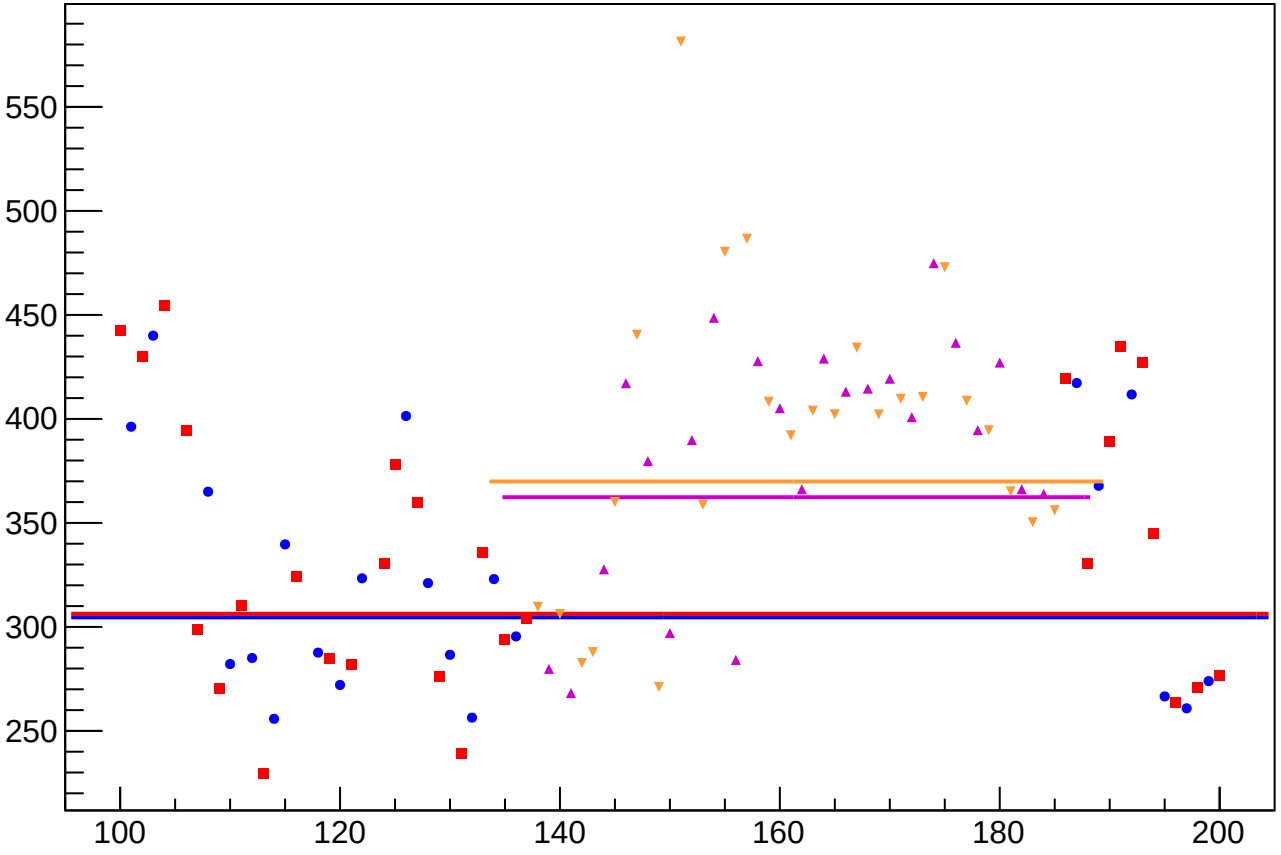
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 1111.446+/-62.656 χ^2/NDF: 3841.4/46

All: 773.213+/-43.566 χ^2/NDF: 9448.0/97

- sign 456.632+/-60.617 χ^2/NDF: 5550.1/50

asym_bpm0l02WS_rms vs Slug



Right In: 304.603+/-0.065 χ^2/NDF: 622512.2/21

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 306.315+/-0.060 χ^2/NDF: 904182.8/27

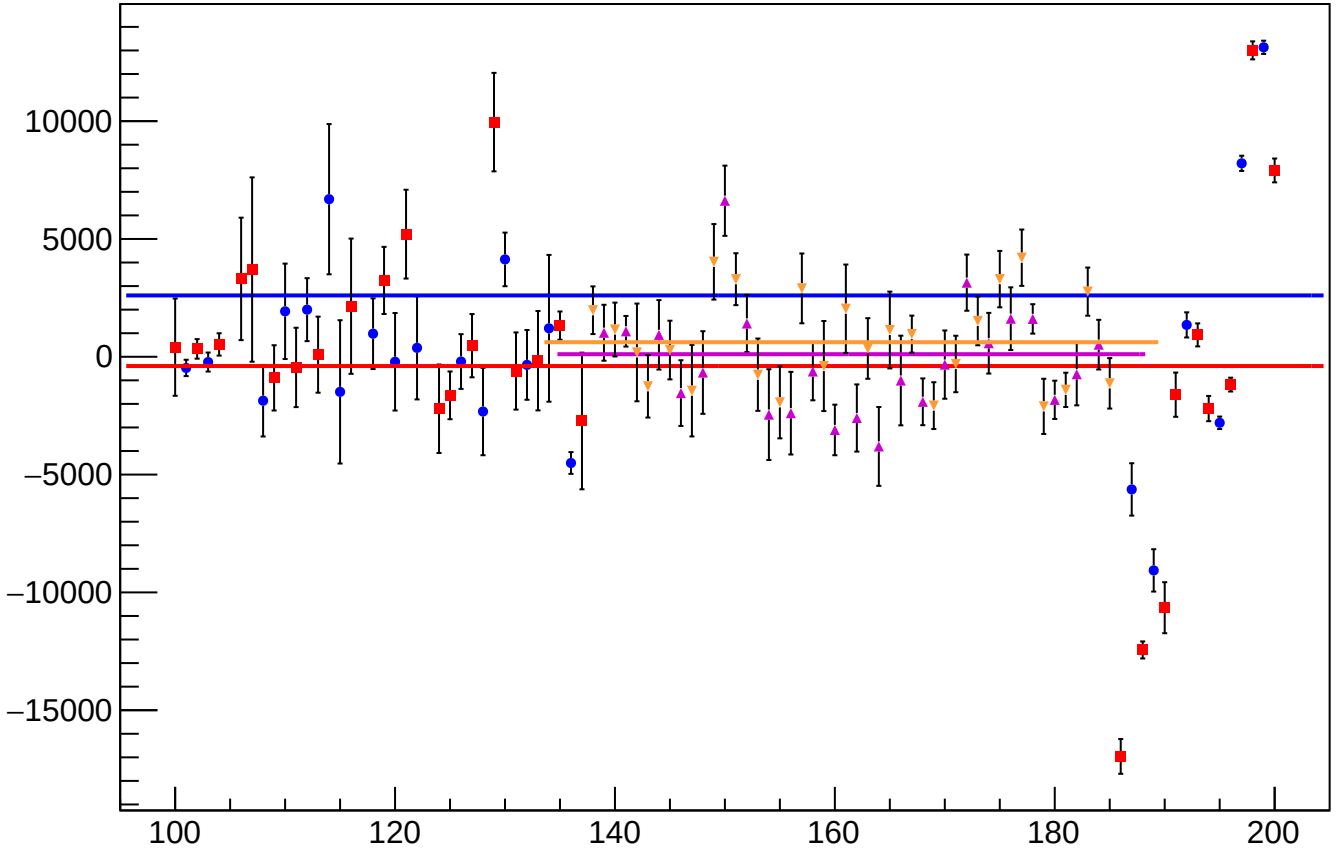
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

\+ sign 339.359+/-0.044 χ^2/NDF: 2394009.9/46

All: 336.450+/-0.031 χ^2/NDF: 4786875.3/97

\- sign 333.727+/-0.043 χ^2/NDF: 2384518.3/50

asym_bpm0l03WS_mean vs Slug



Right In: 2603.688+/-123.186 χ^2/NDF: 2749.7/21

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -393.048+/-129.171 χ^2/NDF: 3294.9/27

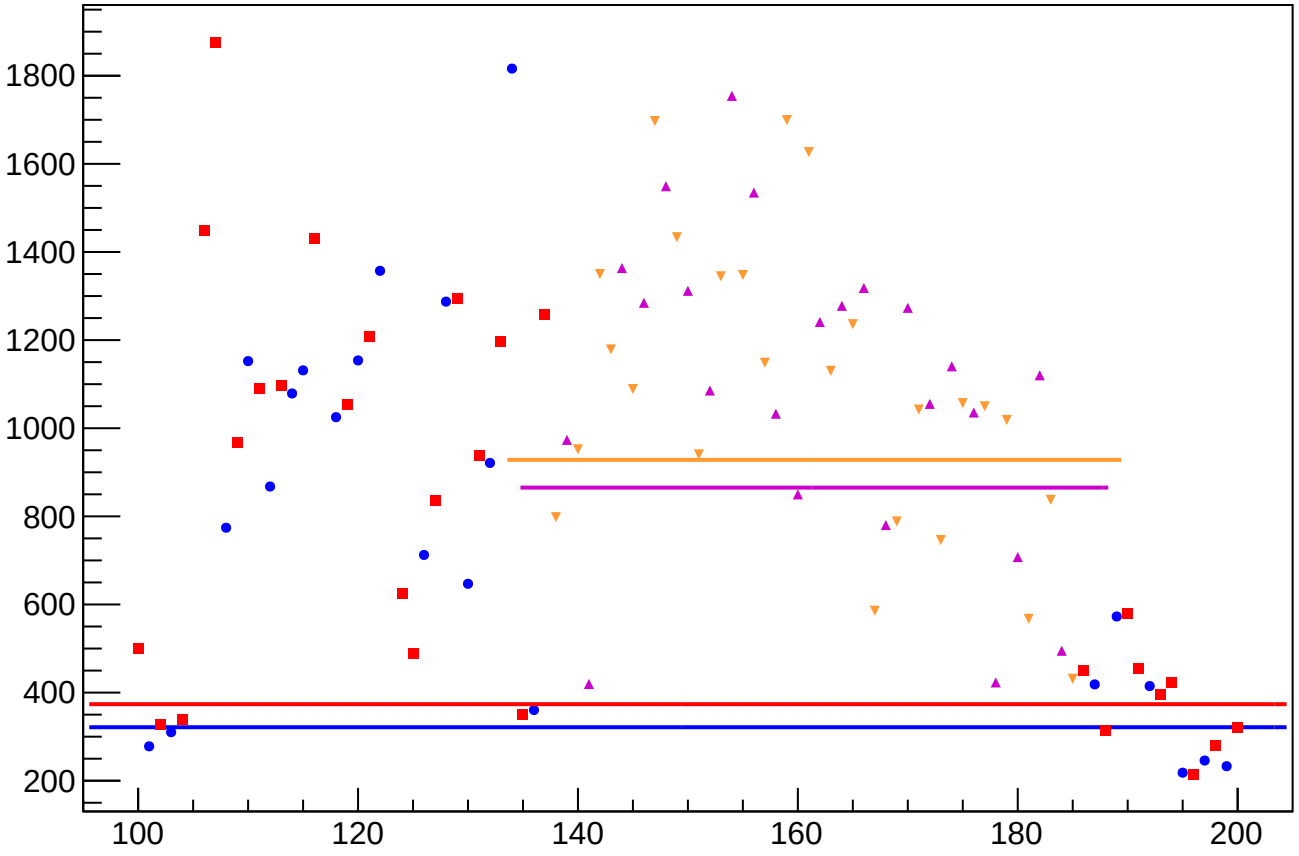
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 2184.656+/-109.415 χ^2/NDF: 2870.2/46

All: 998.271+/-78.776 χ^2/NDF: 6484.4/97

- sign -278.566+/-113.510 χ^2/NDF: 3370.0/50

asym_bpm0l03WS_rms vs Slug



Right In: 321.410+/-0.087 χ^2/NDF: 4929117.6/21

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 373.707+/-0.091 χ^2/NDF: 5270041.9/27

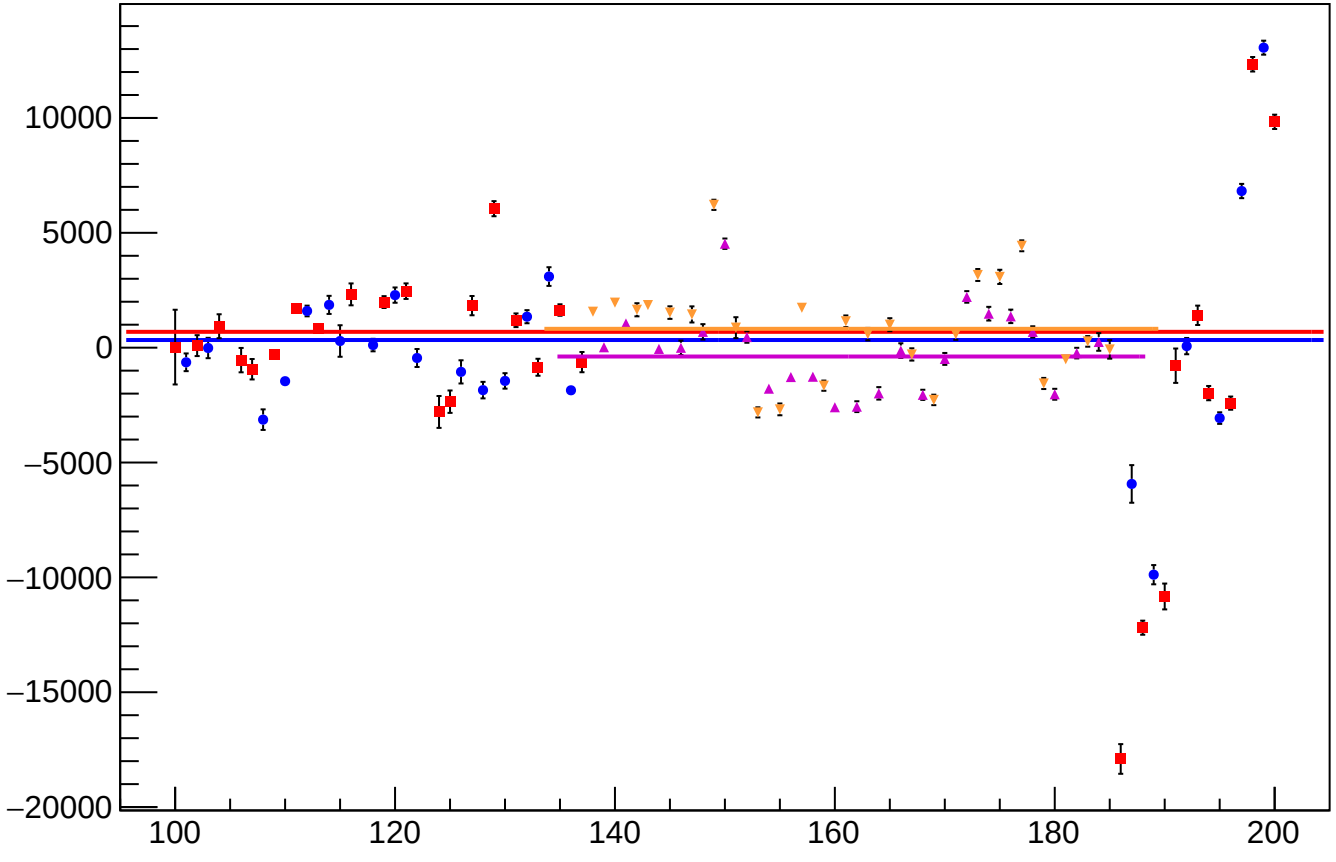
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 449.501+/-0.077 χ^2/NDF: 18468419.0/46

All: 466.922+/-0.056 χ^2/NDF: 35232934.1/97

- sign 485.671+/-0.080 χ^2/NDF: 16659247.7/50

asym_bpm0l04WS_mean vs Slug



Right In: 333.312+/-69.198 χ^2/NDF: 3476.5/21

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 689.532+/-62.773 χ^2/NDF: 5952.6/27

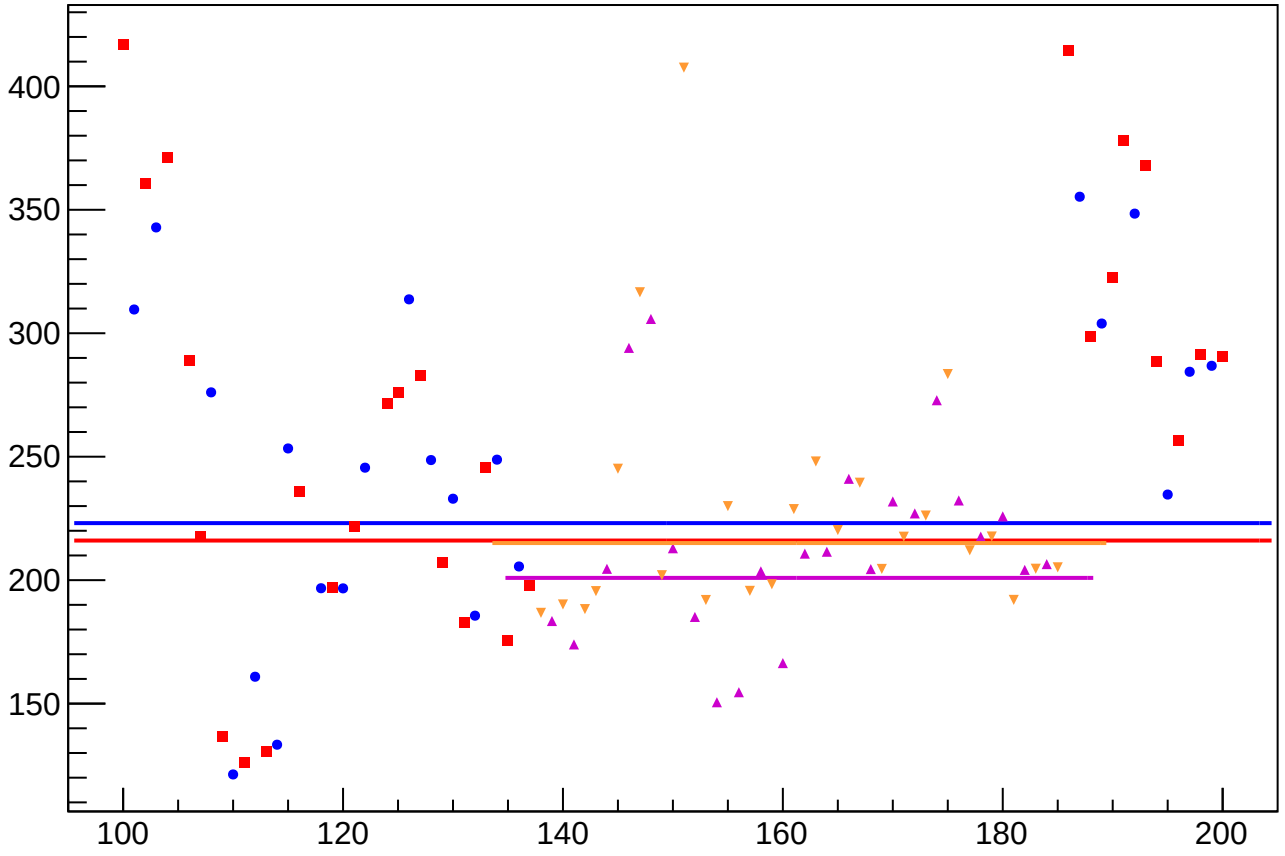
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 653.616+/-40.525 χ^2/NDF: 5499.9/46

All: 317.395+/-27.857 χ^2/NDF: 13019.9/97

- sign 16.192+/-38.357 χ^2/NDF: 7389.5/50

asym_bpm0l04WS_rms vs Slug



Right In: 223.098+/-0.049 χ^2/NDF: 1745720.8/21

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 216.043+/-0.044 χ^2/NDF: 2953910.1/27

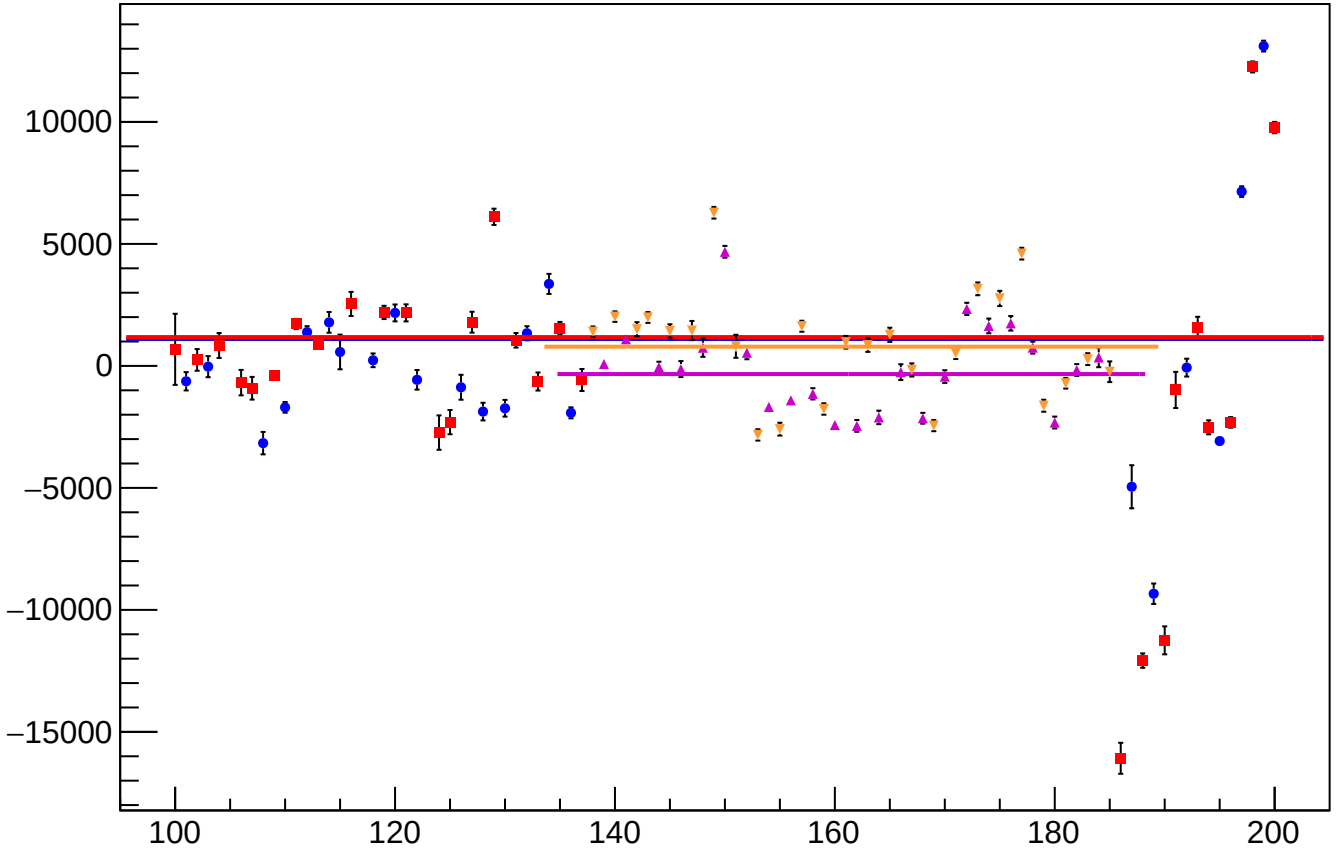
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 217.795+/-0.029 χ^2/NDF: 2661390.6/46

All: 211.871+/-0.020 χ^2/NDF: 6874931.6/97

- sign 206.565+/-0.027 χ^2/NDF: 4132525.1/50

asym_bpm0l05WS_mean vs Slug



Right In: 1102.414+/-66.446 χ^2/NDF: 5485.1/21

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 1181.571+/-60.999 χ^2/NDF: 7914.5/27

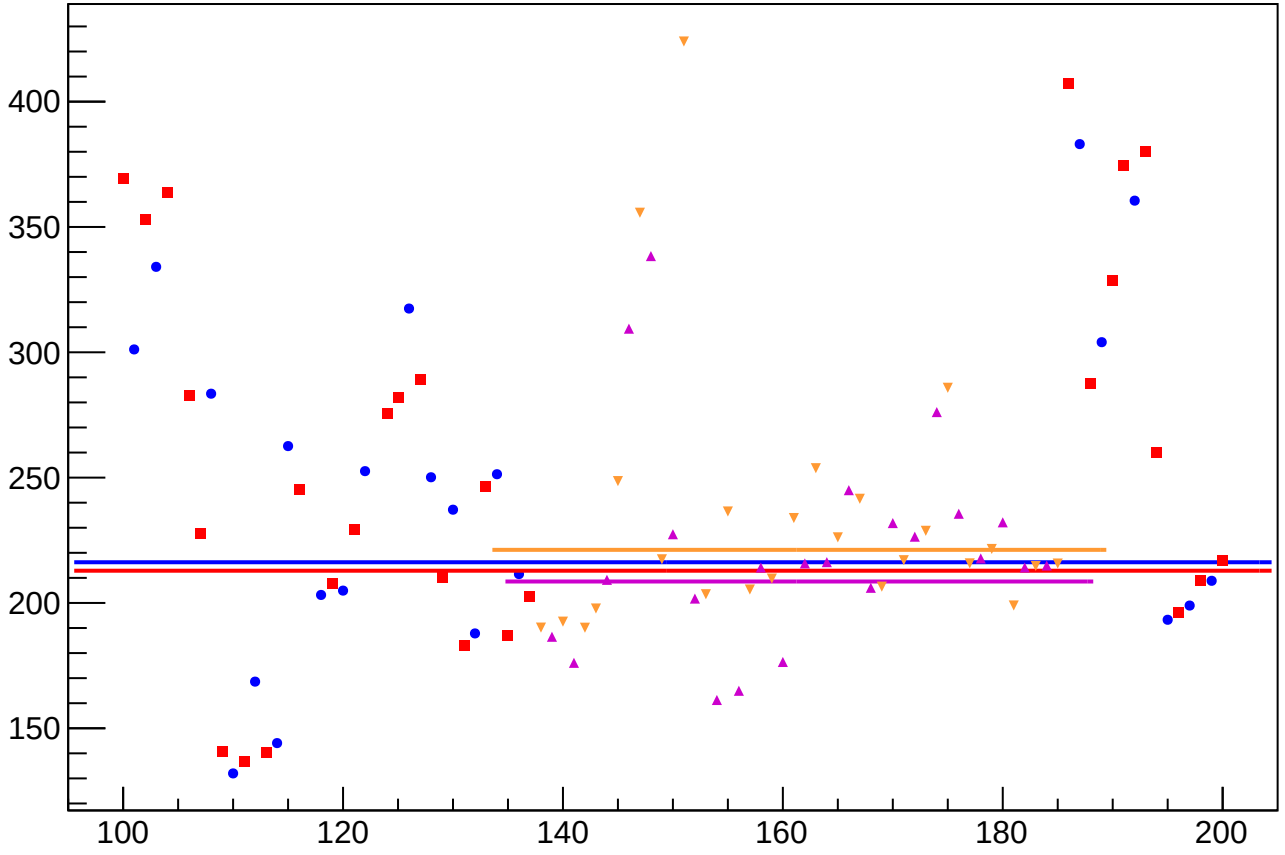
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 905.846+/-40.668 χ^2/NDF: 7389.3/46

All: 577.006+/-28.057 χ^2/NDF: 17011.6/97

- sign 278.309+/-38.759 χ^2/NDF: 9497.5/50

asym_bpm0l05WS_rms vs Slug



Right In: 216.238+/-0.047 χ^2/NDF: 1400513.7/21

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

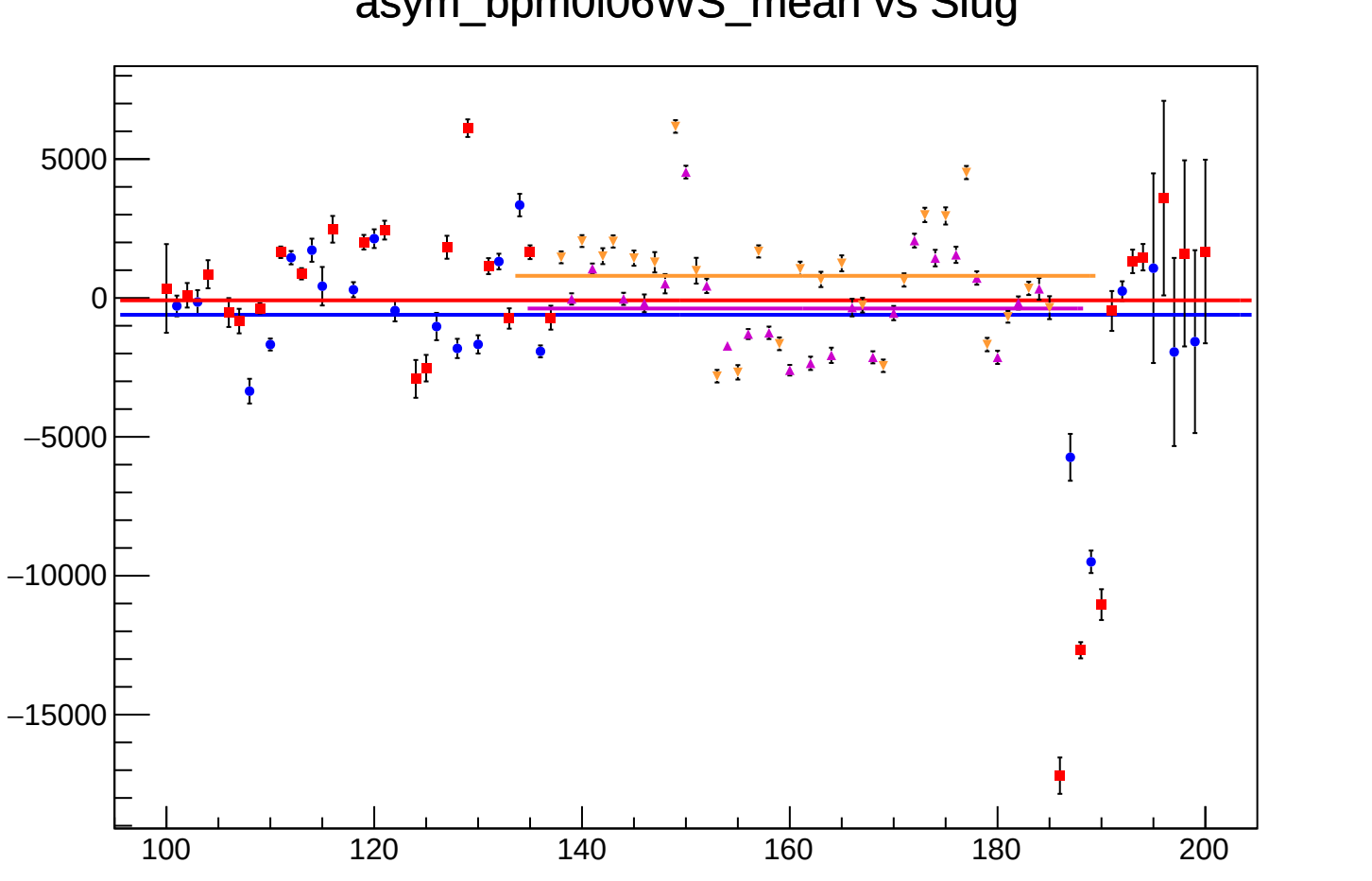
Right Out: 212.861+/-0.043 χ^2/NDF: 2248176.0/27

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.332+/-0.029 χ^2/NDF: 2346966.9/46

All: 214.596+/-0.020 χ^2/NDF: 5688483.1/97

- sign 210.294+/-0.027 χ^2/NDF: 3289753.0/50



Right In: -605.967+/-76.435 χ^2/NDF: 977.0/21

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -84.947+/-68.143 χ^2/NDF: 3731.8/27

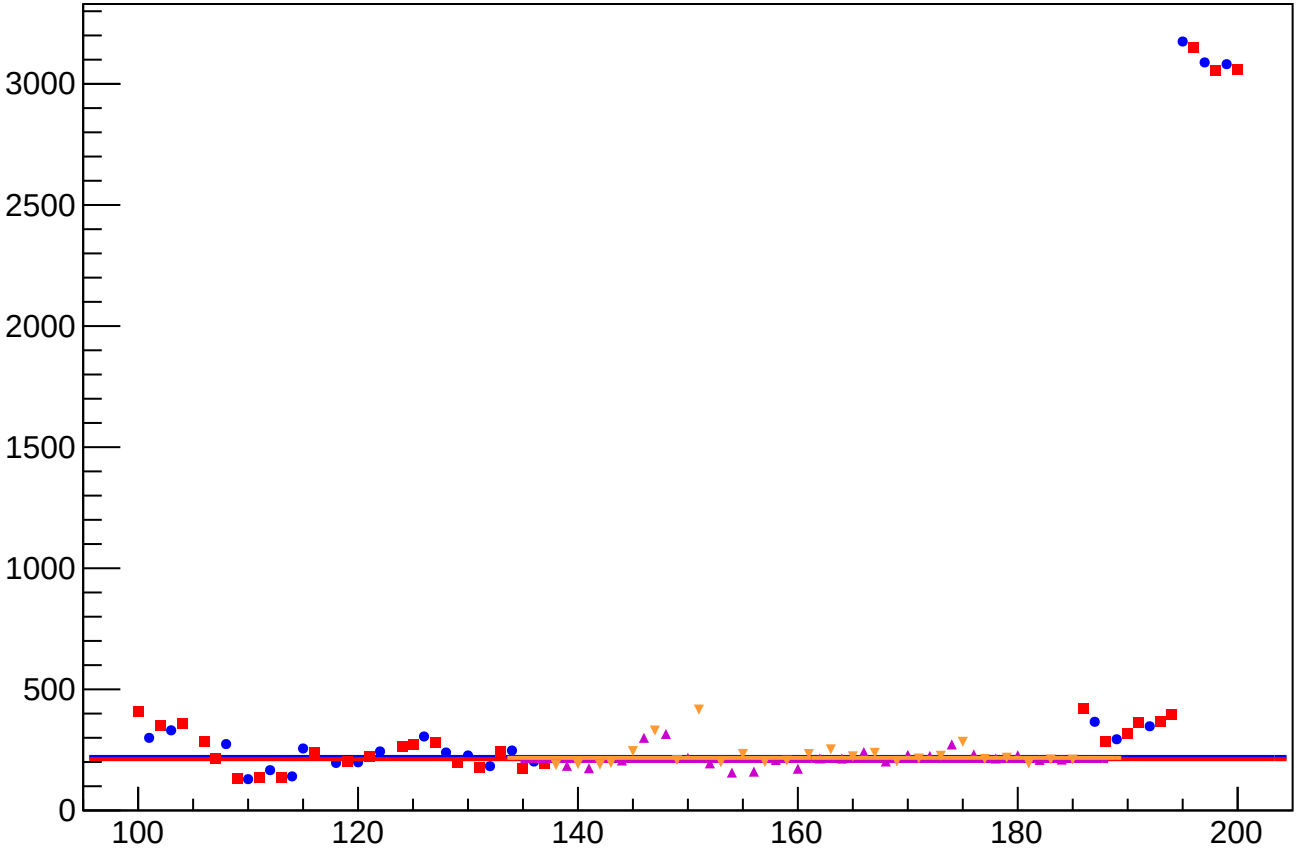
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.067+/-42.131 χ^2/NDF: 3172.5/46

All: 28.383+/-28.963 χ^2/NDF: 8243.2/97

- sign -278.663+/-39.881 χ^2/NDF: 4945.3/50

asym_bpm0l06WS_rms vs Slug



Right In: 220.984+/-0.054 χ^2/NDF: 5775973.4/21

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 211.708+/-0.048 χ^2/NDF: 6949546.6/27

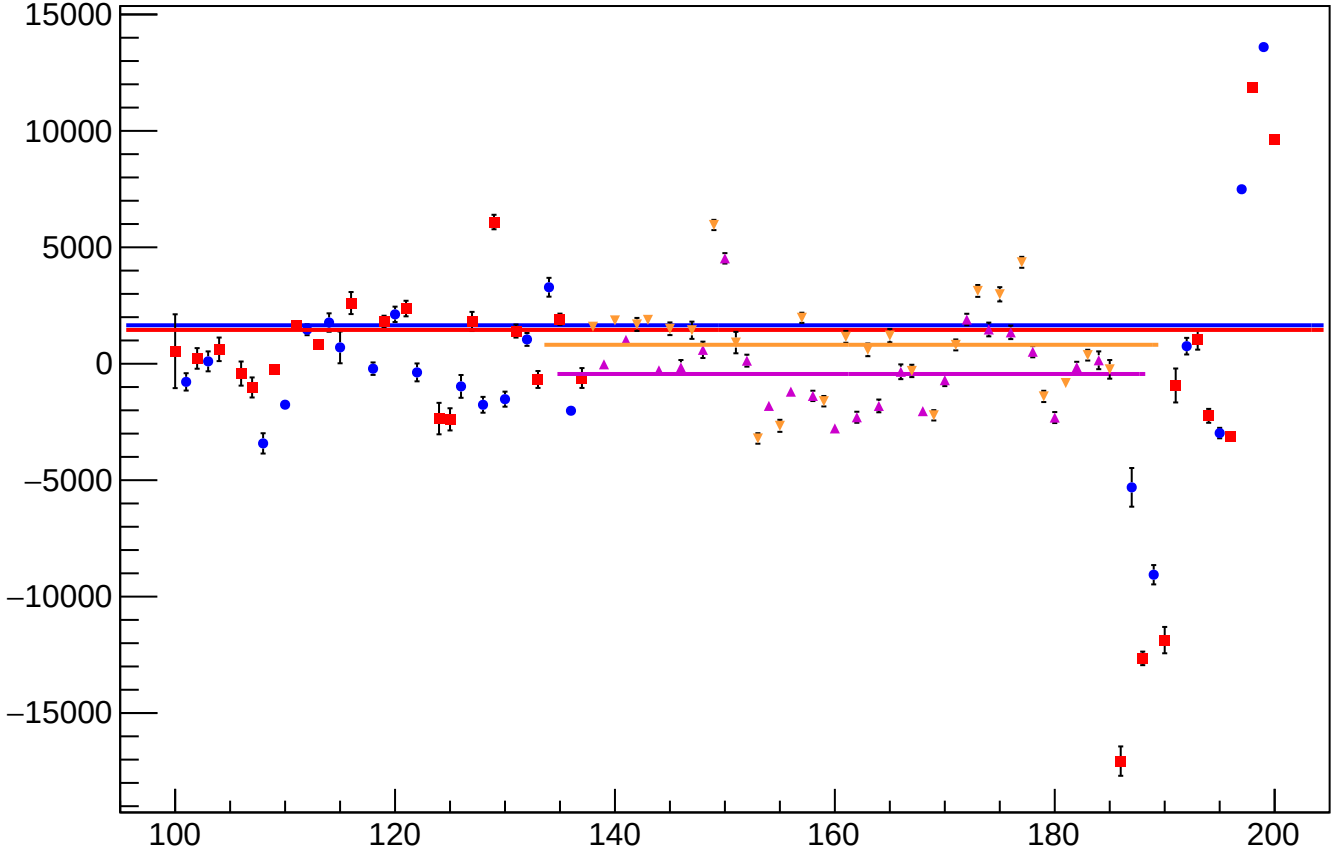
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 218.367+/-0.030 χ^2/NDF: 6689786.3/46

All: 212.289+/-0.020 χ^2/NDF: 14748808.1/97

- sign 206.843+/-0.028 χ^2/NDF: 7980103.6/50

asym_bpm0l07WS_mean vs Slug



Right In: 1651.973+/-62.950 χ^2/NDF: 7184.9/21

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 1452.184+/-57.407 χ^2/NDF: 9396.0/27

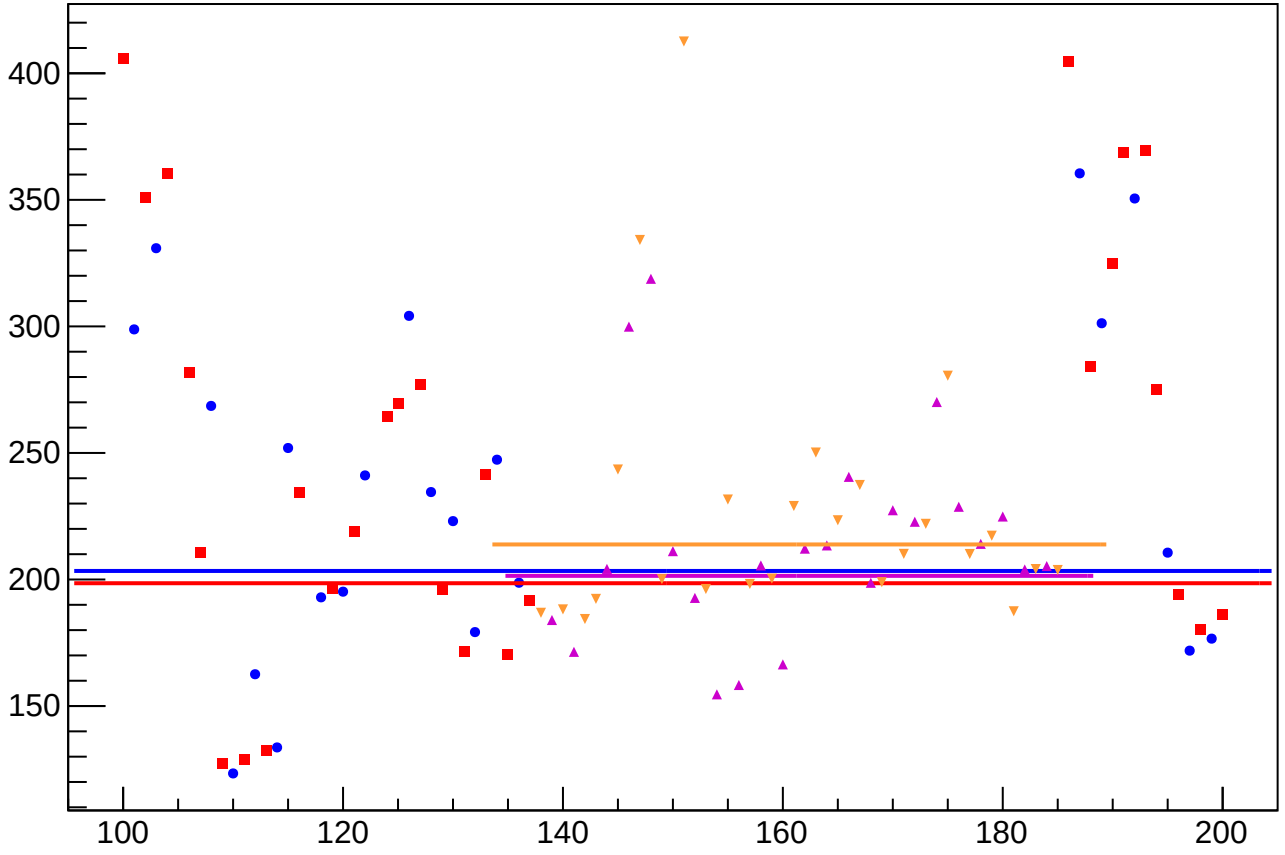
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 1136.414+/-39.037 χ^2/NDF: 9294.2/46

All: 722.272+/-26.879 χ^2/NDF: 20772.5/97

- sign 348.929+/-37.064 χ^2/NDF: 11264.3/50

asym_bpm0l07WS_rms vs Slug



Right In: 203.376+/-0.045 χ^2/NDF: 1582327.9/21

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.528+/-0.041 χ^2/NDF: 2627893.2/27

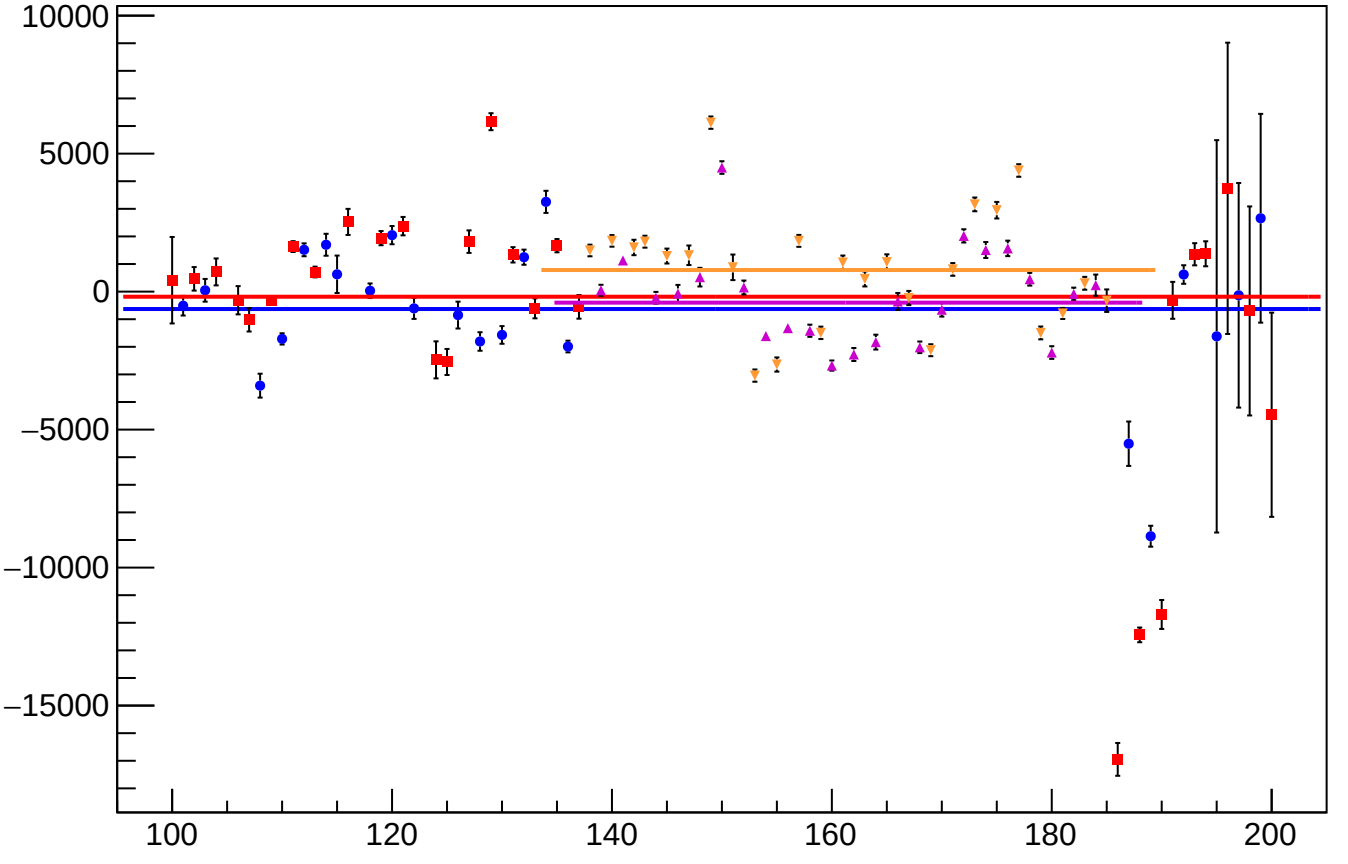
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 209.821+/-0.028 χ^2/NDF: 2579973.9/46

All: 204.777+/-0.019 χ^2/NDF: 6336352.0/97

- sign 200.229+/-0.026 χ^2/NDF: 3692877.8/50

asym_bpm0l08WS_mean vs Slug



Right In: -630.882+/-74.035 χ^2/NDF: 993.2/21

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -184.991+/-65.456 χ^2/NDF: 4273.8/27

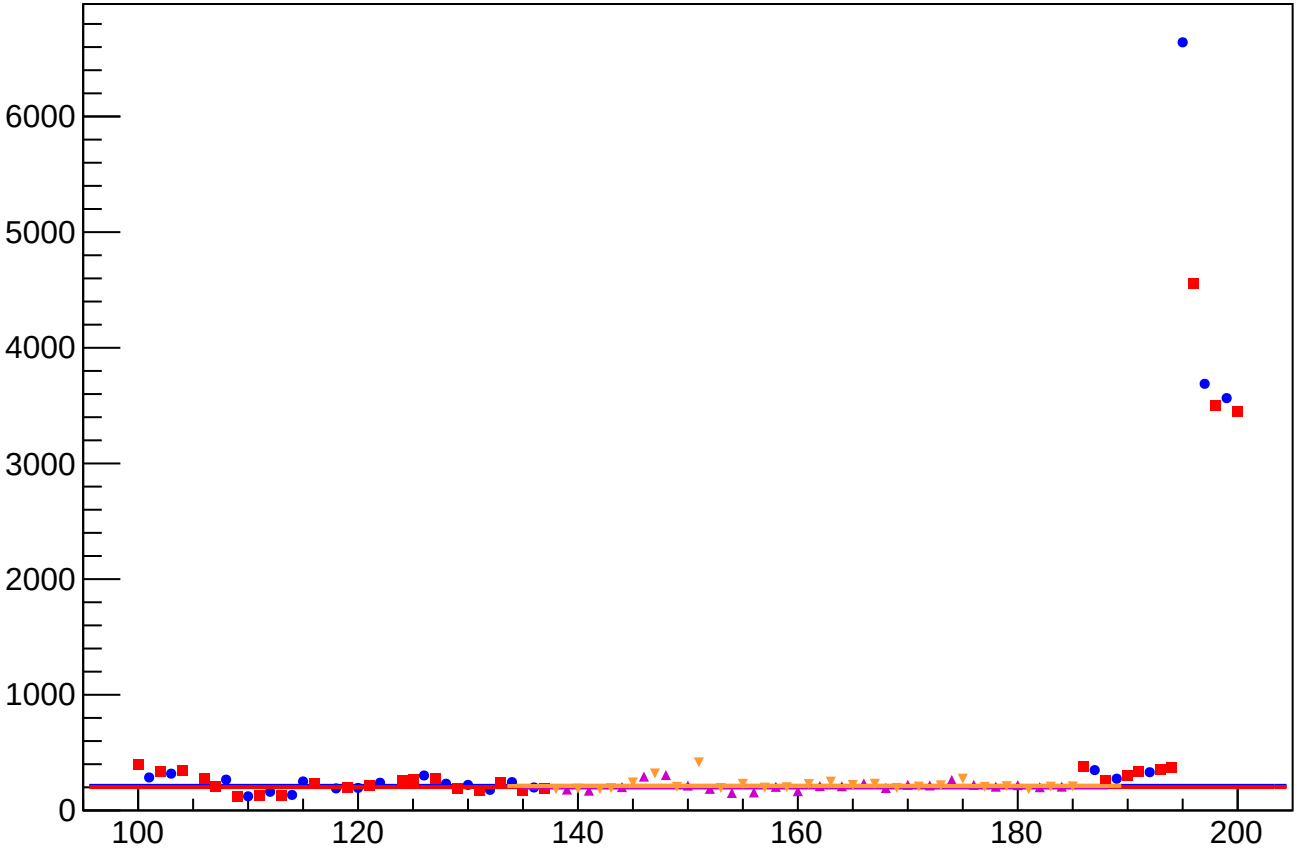
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.460+/-40.976 χ^2/NDF: 3247.2/46

All: -7.810+/-28.102 χ^2/NDF: 8903.6/97

- sign -325.049+/-38.612 χ^2/NDF: 5512.9/50

asym_bpm0l08WS_rms vs Slug



Right In: 212.612+/-0.052 χ^2/NDF: 5998872.7/21

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 202.198+/-0.046 χ^2/NDF: 7011452.3/27

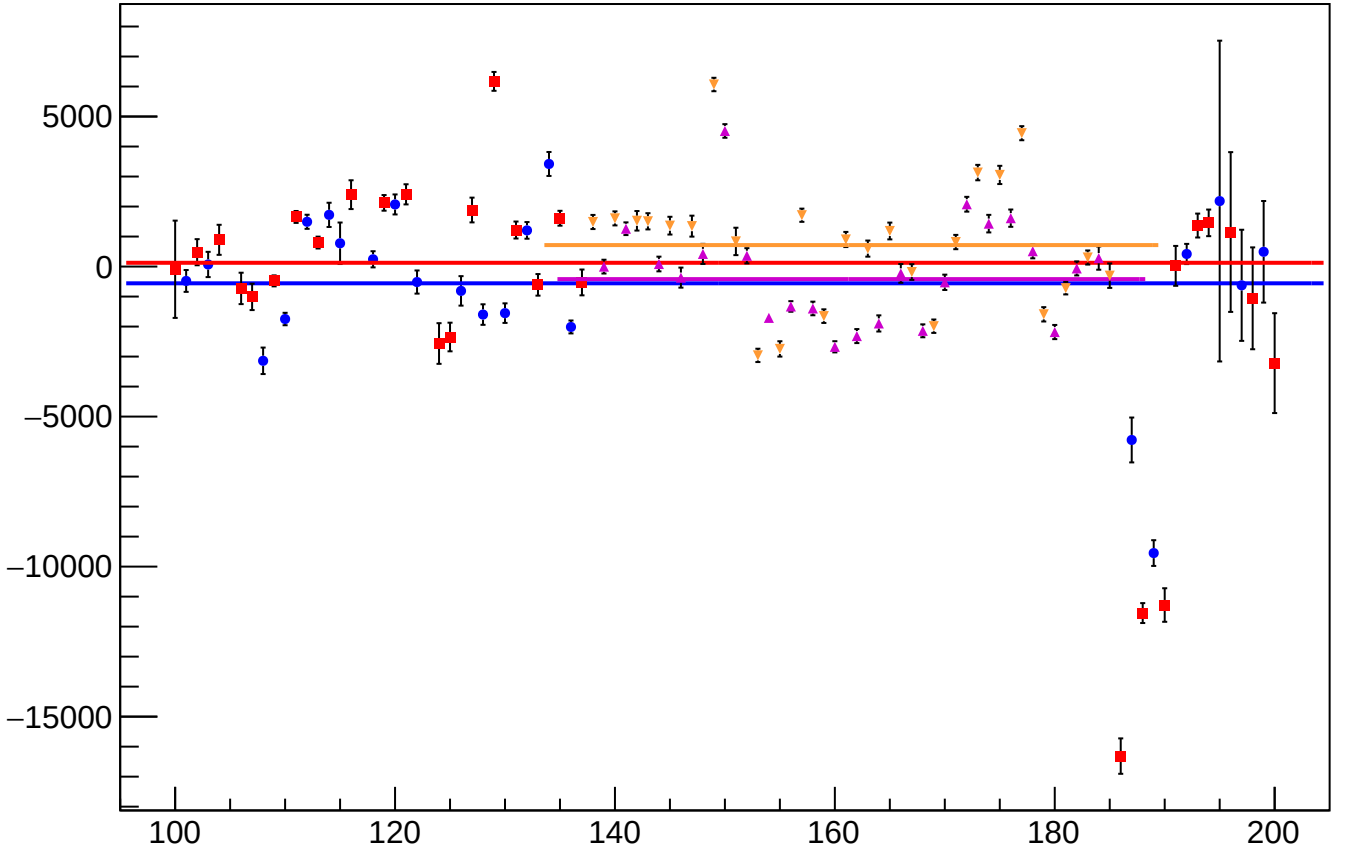
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.838+/-0.029 χ^2/NDF: 6934166.4/46

All: 205.463+/-0.020 χ^2/NDF: 15047564.9/97

- sign 199.803+/-0.027 χ^2/NDF: 8022018.1/50

asym_bpm0l09WS_mean vs Slug



Right In: -558.384+/-75.150 χ^2/NDF: 953.7/21

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 125.583+/-67.186 χ^2/NDF: 3163.2/27

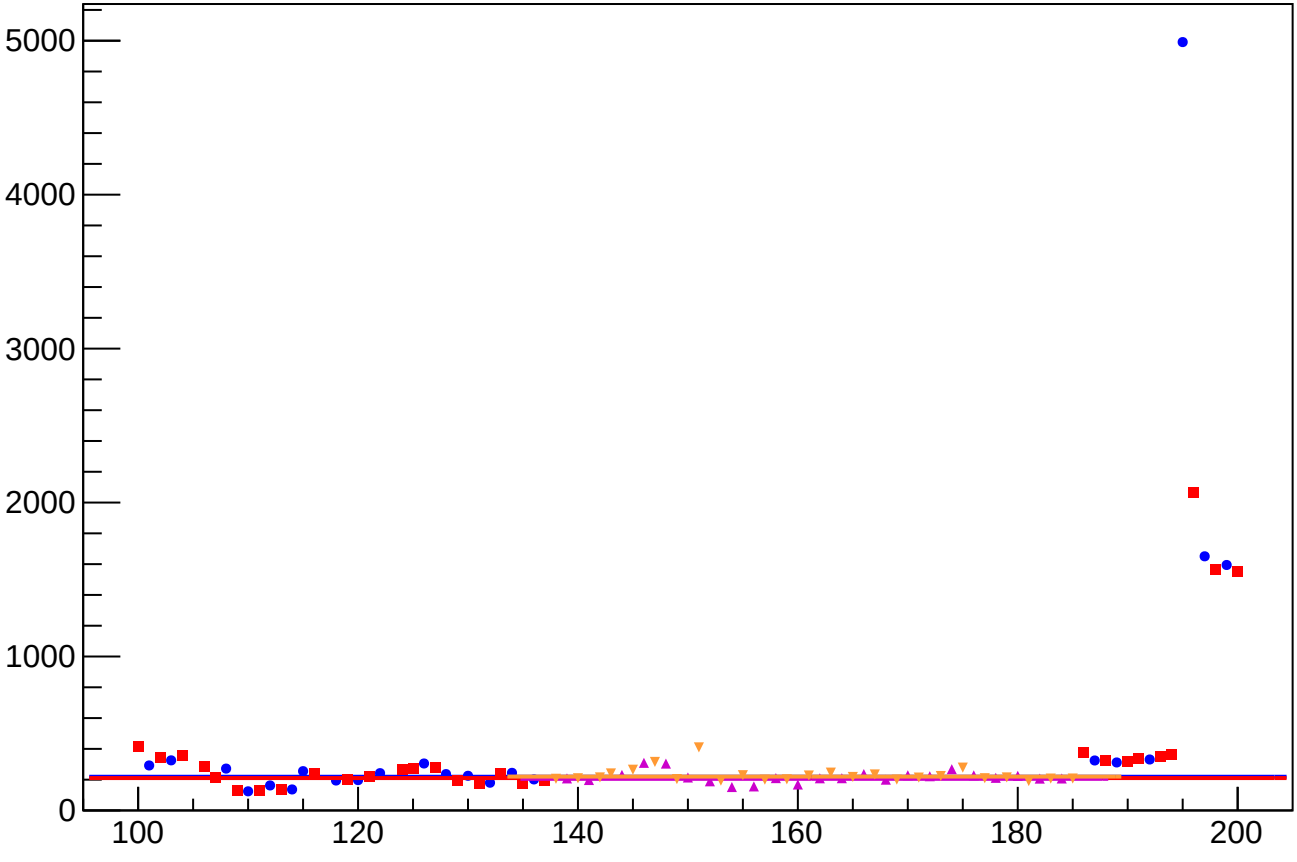
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.723+/-42.262 χ^2/NDF: 3068.2/46

All: 27.113+/-28.999 χ^2/NDF: 7601.1/97

- sign -227.003+/-39.864 χ^2/NDF: 4446.6/50

asym_bpm0l09WS_rms vs Slug



Right In: 218.864+/-0.053 χ^2/NDF: 5485878.9/21

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 210.384+/-0.048 χ^2/NDF: 6242240.3/27

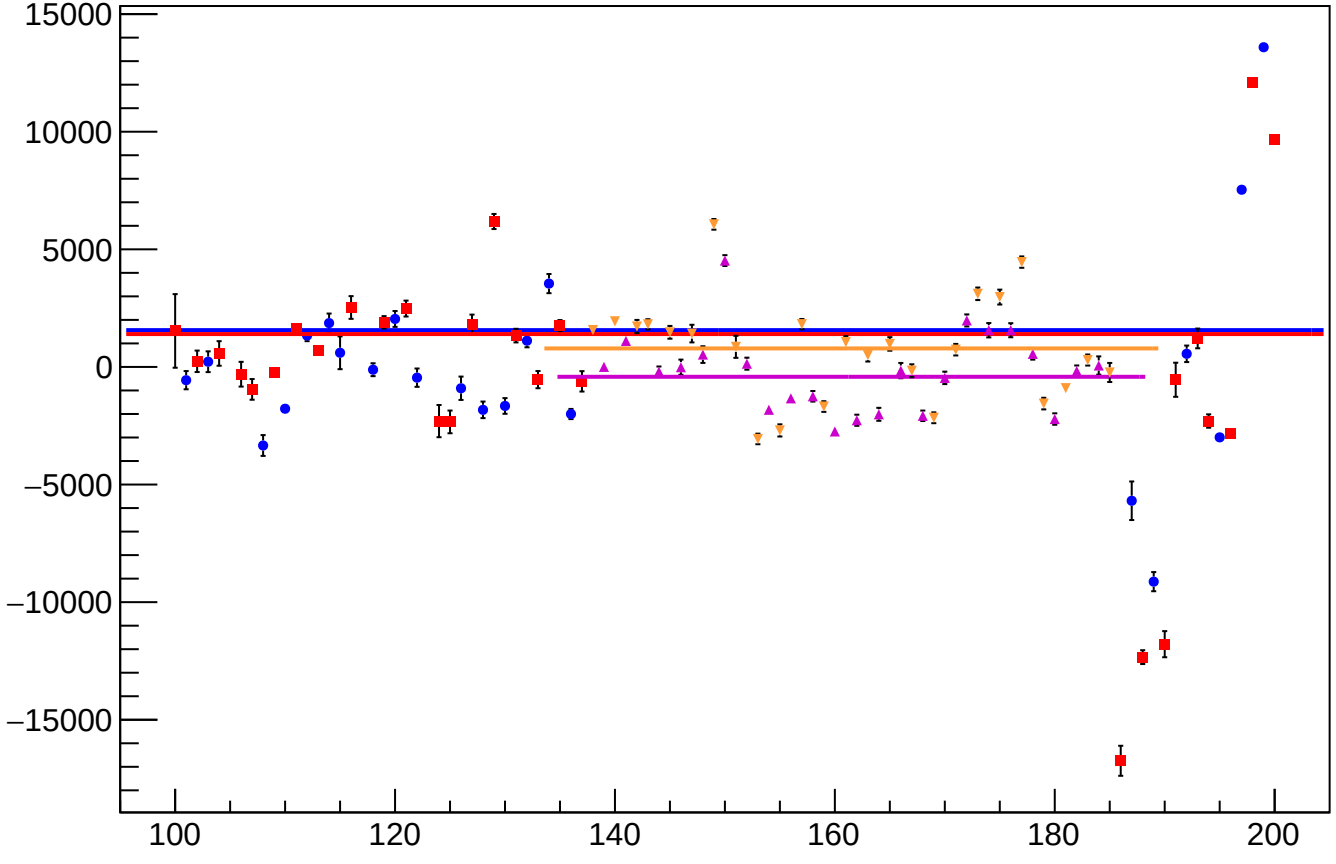
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 219.740+/-0.030 χ^2/NDF: 6285975.6/46

All: 213.108+/-0.021 χ^2/NDF: 13642148.4/97

- sign 207.208+/-0.028 χ^2/NDF: 7263106.6/50

asym_bpm0l10WS_mean vs Slug



Right In: 1565.107+/-63.771 χ^2/NDF: 7024.0/21

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 1397.212+/-58.465 χ^2/NDF: 9022.2/27

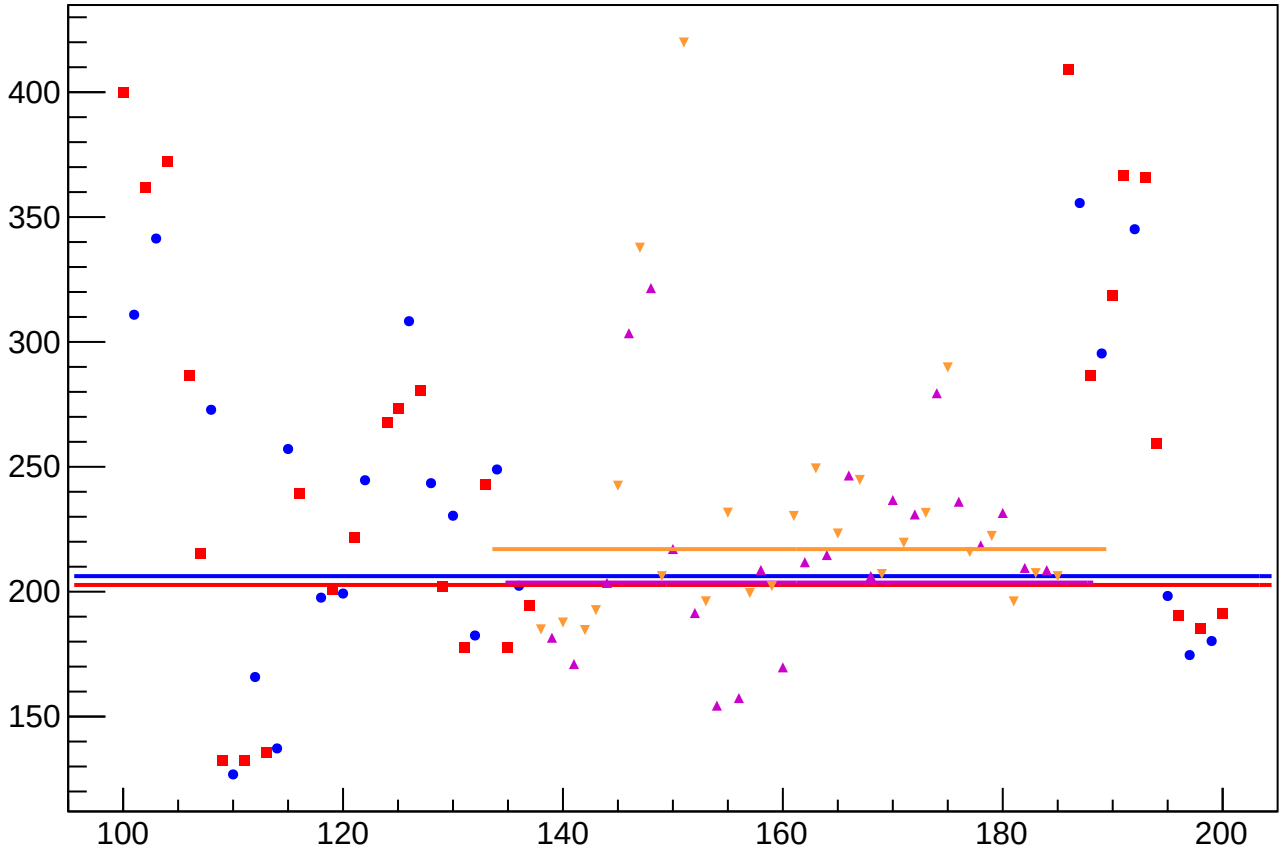
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 1087.016+/-39.601 χ^2/NDF: 9053.1/46

All: 690.805+/-27.276 χ^2/NDF: 20042.0/97

- sign 333.199+/-37.623 χ^2/NDF: 10798.5/50

asym_bpm0l10WS_rms vs Slug



Right In: 206.226+/-0.045 χ^2/NDF: 1531087.2/21

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 202.694+/-0.041 χ^2/NDF: 2467803.0/27

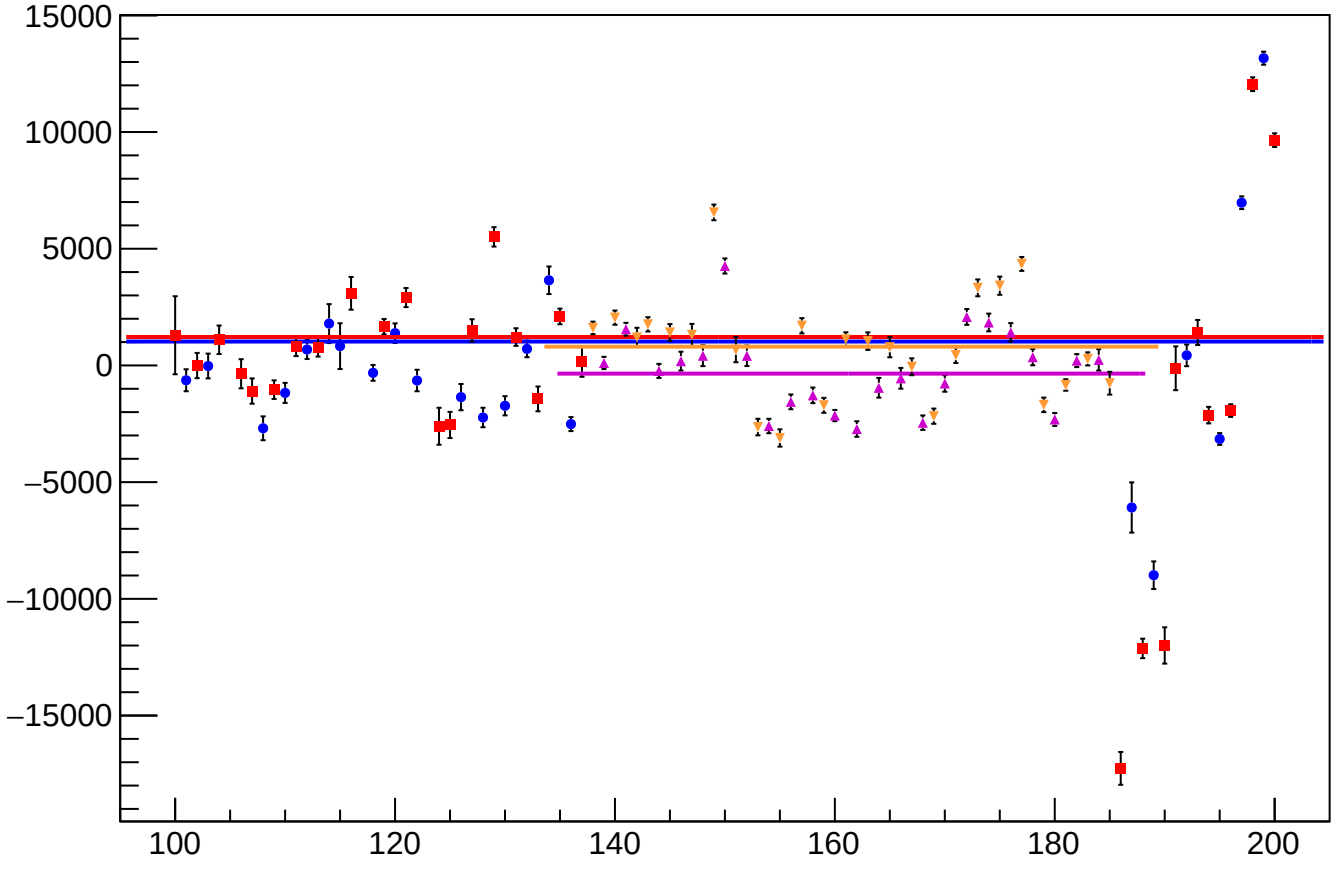
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 212.870+/-0.028 χ^2/NDF: 2549593.2/46

All: 207.819+/-0.019 χ^2/NDF: 6244947.0/97

- sign 203.260+/-0.027 χ^2/NDF: 3633457.5/50

asym_bpm0r03WS_mean vs Slug



Right In: 1024.295+/-87.037 χ^2/NDF: 3386.3/21

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 1218.903+/-83.296 χ^2/NDF: 4697.1/27

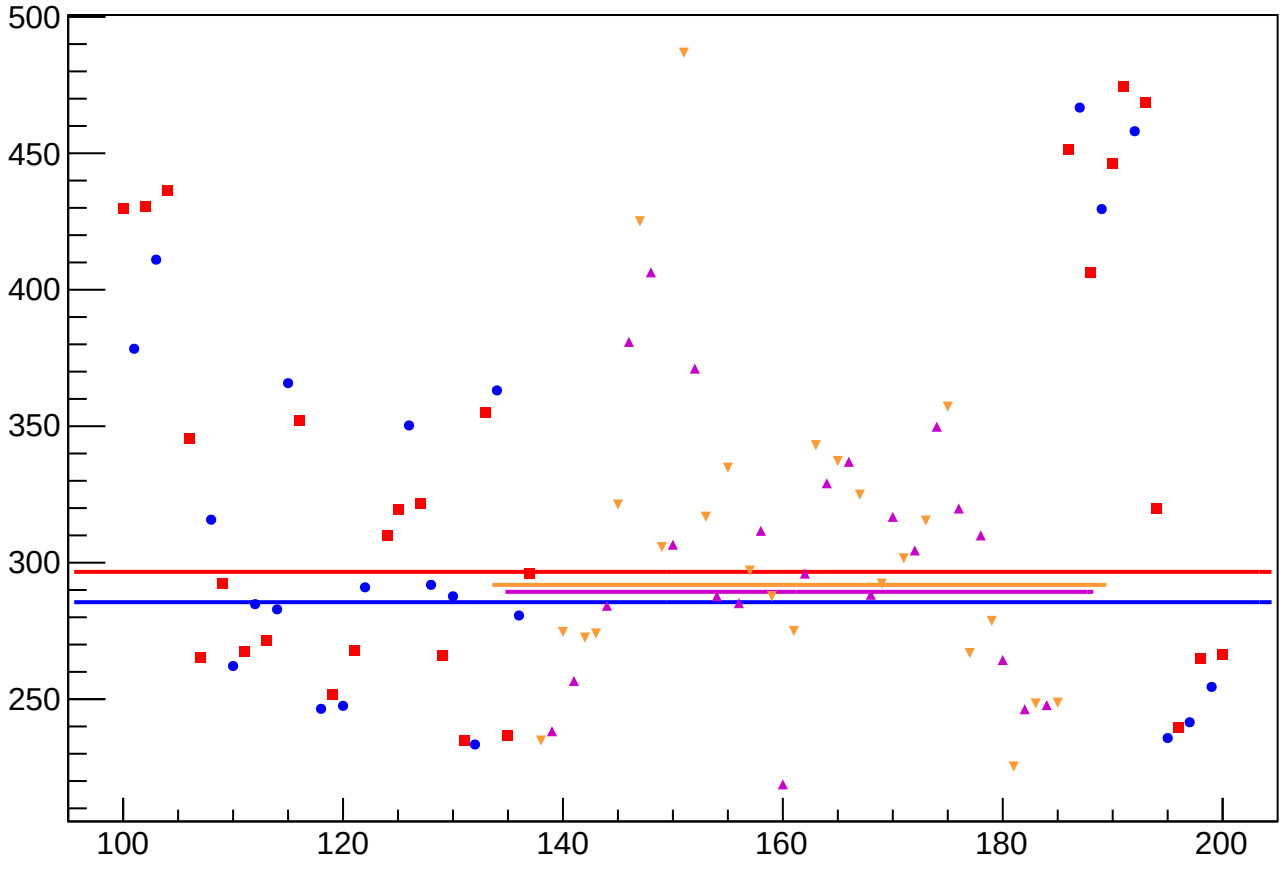
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 886.876+/-53.434 χ^2/NDF: 4448.0/46

All: 585.848+/-37.676 χ^2/NDF: 10074.7/97

- sign 288.241+/-53.130 χ^2/NDF: 5563.6/50

asym_bpm0r03WS_rms vs Slug



Right In: 285.533+/-0.062 χ^2/NDF: 968809.8/21

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 296.637+/-0.059 χ^2/NDF: 1229752.0/27

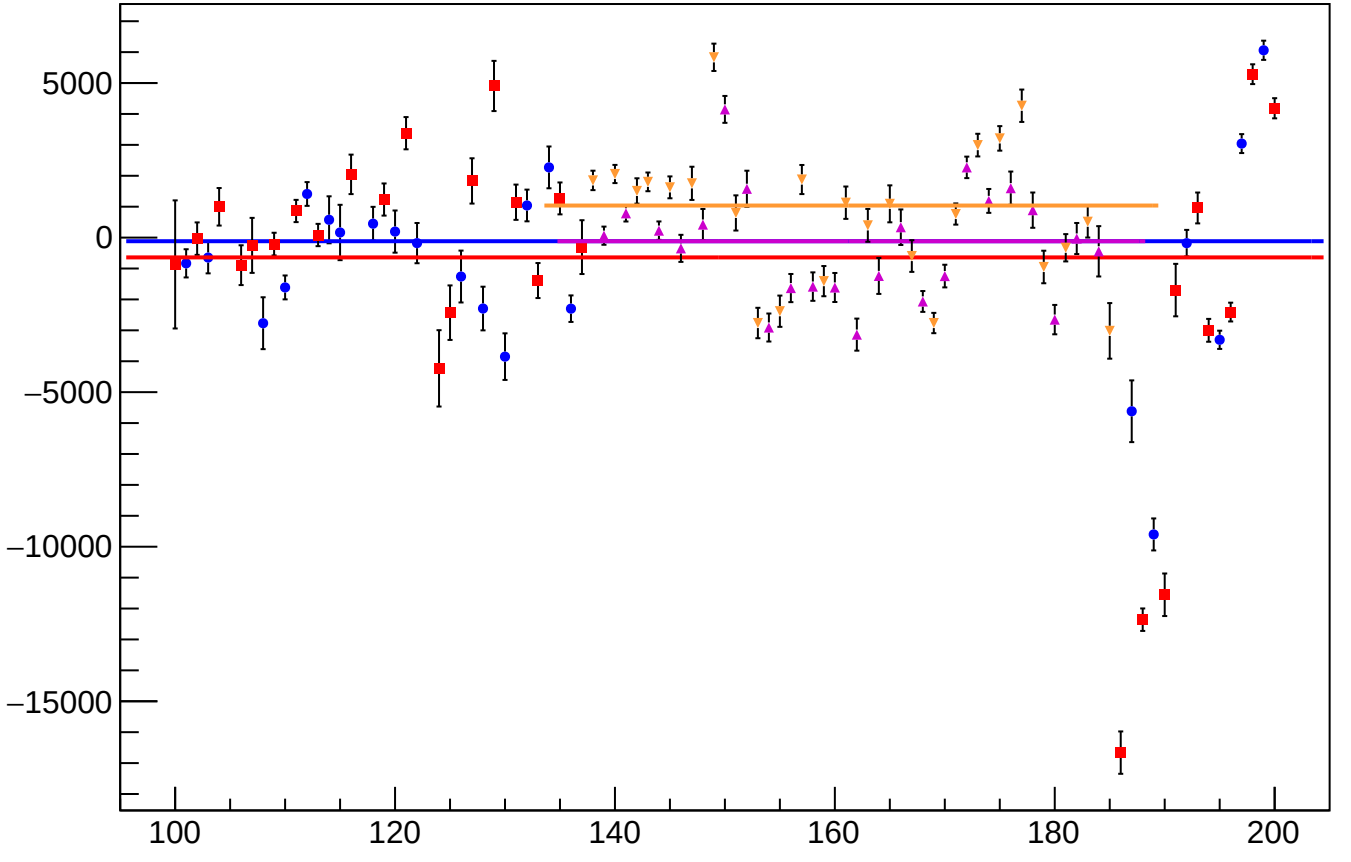
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 289.489+/-0.038 χ^2/NDF: 1935361.7/46

All: 290.901+/-0.027 χ^2/NDF: 3985650.4/97

- sign 292.298+/-0.038 χ^2/NDF: 2047510.5/50

asym_bpm0r05WS_mean vs Slug



Right In: -116.753+/-103.333 χ^2/NDF: 1110.6/21

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -640.526+/-93.651 χ^2/NDF: 2703.1/27

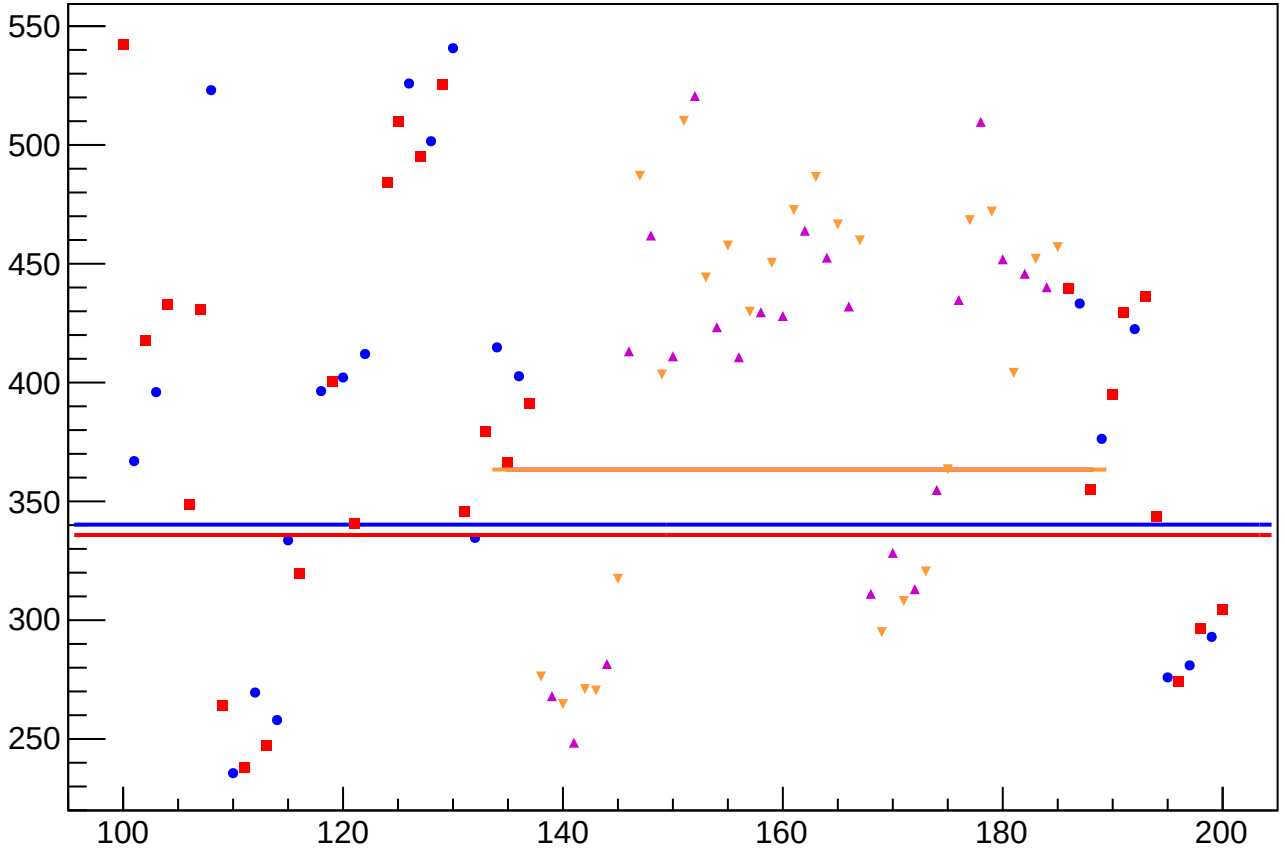
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 570.270+/-65.737 χ^2/NDF: 1755.0/46

All: 91.592+/-45.827 χ^2/NDF: 4948.3/97

- sign -361.004+/-63.921 χ^2/NDF: 3090.1/50

asym_bpm0r05WS_rms vs Slug



Right In: 340.210+/-0.073 χ^2/NDF: 1152715.5/21

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 335.832+/-0.066 χ^2/NDF: 1161788.6/27

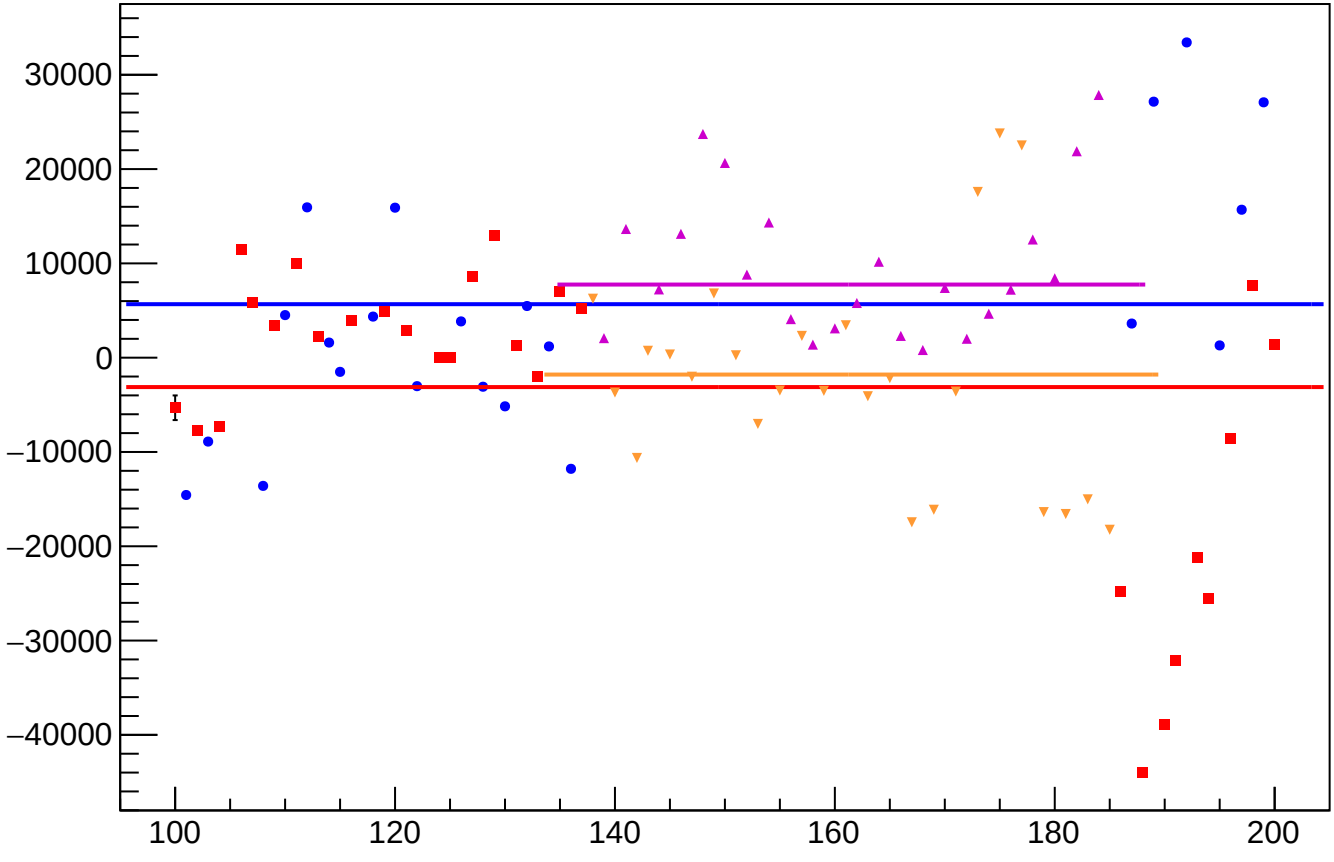
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 354.007+/-0.046 χ^2/NDF: 3153107.9/46

All: 352.230+/-0.032 χ^2/NDF: 6121819.4/97

- sign 350.550+/-0.045 χ^2/NDF: 2965867.5/50

asym_bpm0i02WS_mean vs Slug



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3117.391+/-42.139 χ^2/NDF: 132985.0/27

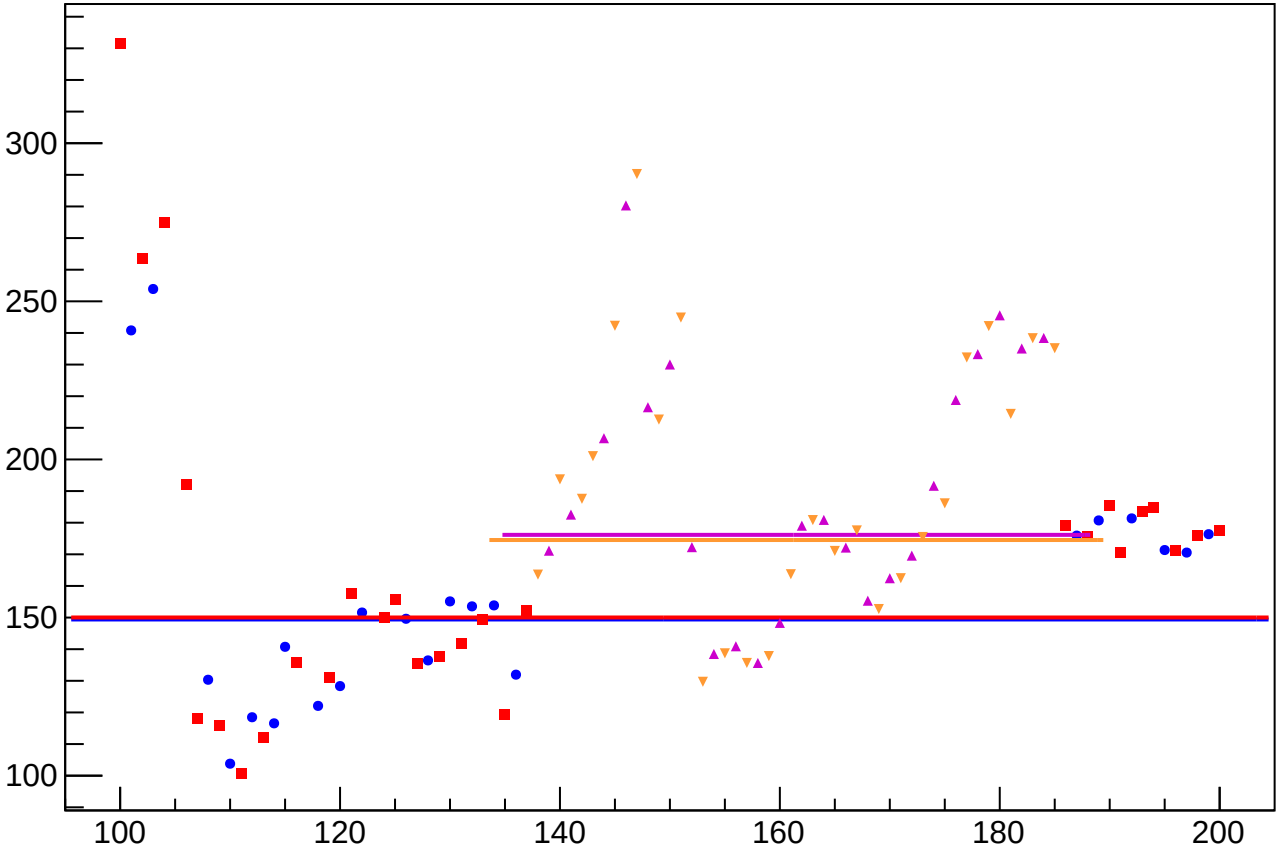
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1531.157+/-30.476 χ^2/NDF: 168718.5/46

All: 1903.519+/-21.361 χ^2/NDF: 358217.3/97

- sign 2263.102+/-29.948 χ^2/NDF: 189205.4/50

asym_bpm0i02WS_rms vs Slug



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

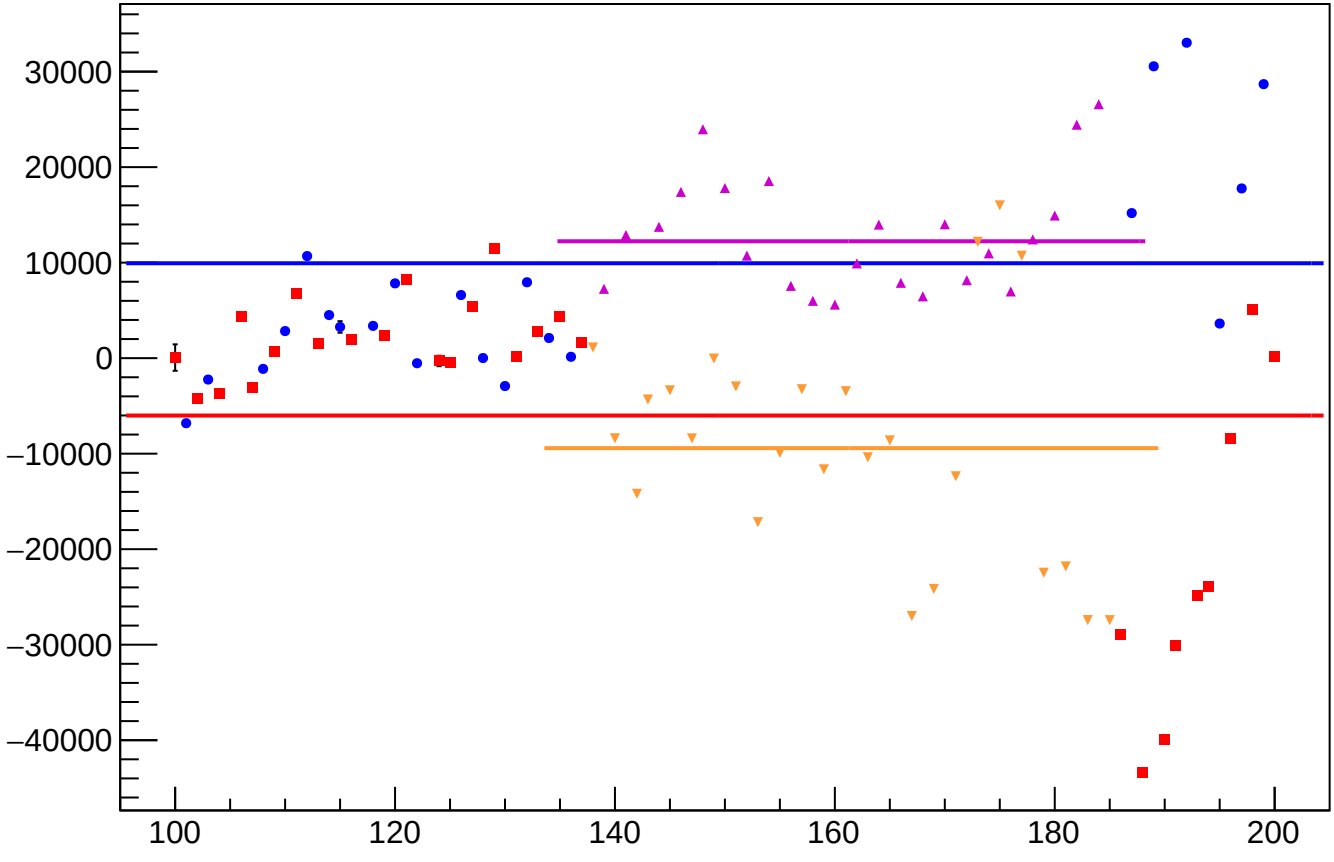
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

\+ sign 163.340+/-0.022 χ^2/NDF: 2926788.4/46

All: 163.144+/-0.015 χ^2/NDF: 6039302.0/97

\- sign 162.956+/-0.021 χ^2/NDF: 3112352.3/50

asym_bpm0i02aWS_mean vs Slug



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6006.725+/-48.510 χ^2/NDF: 103373.4/27

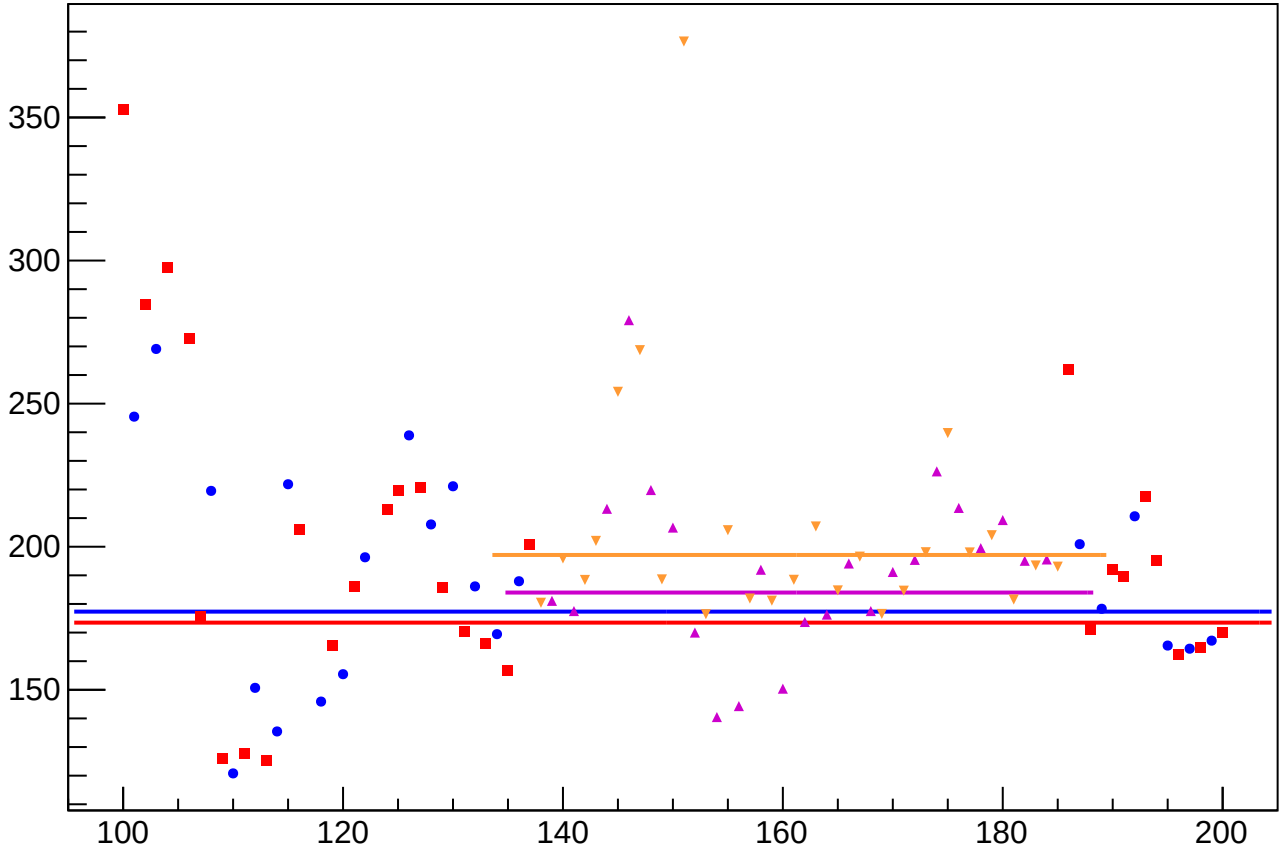
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -1295.212+/-34.810 χ^2/NDF: 188121.7/46

All: 1500.690+/-23.822 χ^2/NDF: 396946.6/97

- sign 3963.300+/-32.670 χ^2/NDF: 196691.8/50

asym_bpm0i02aWS_rms vs Slug



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

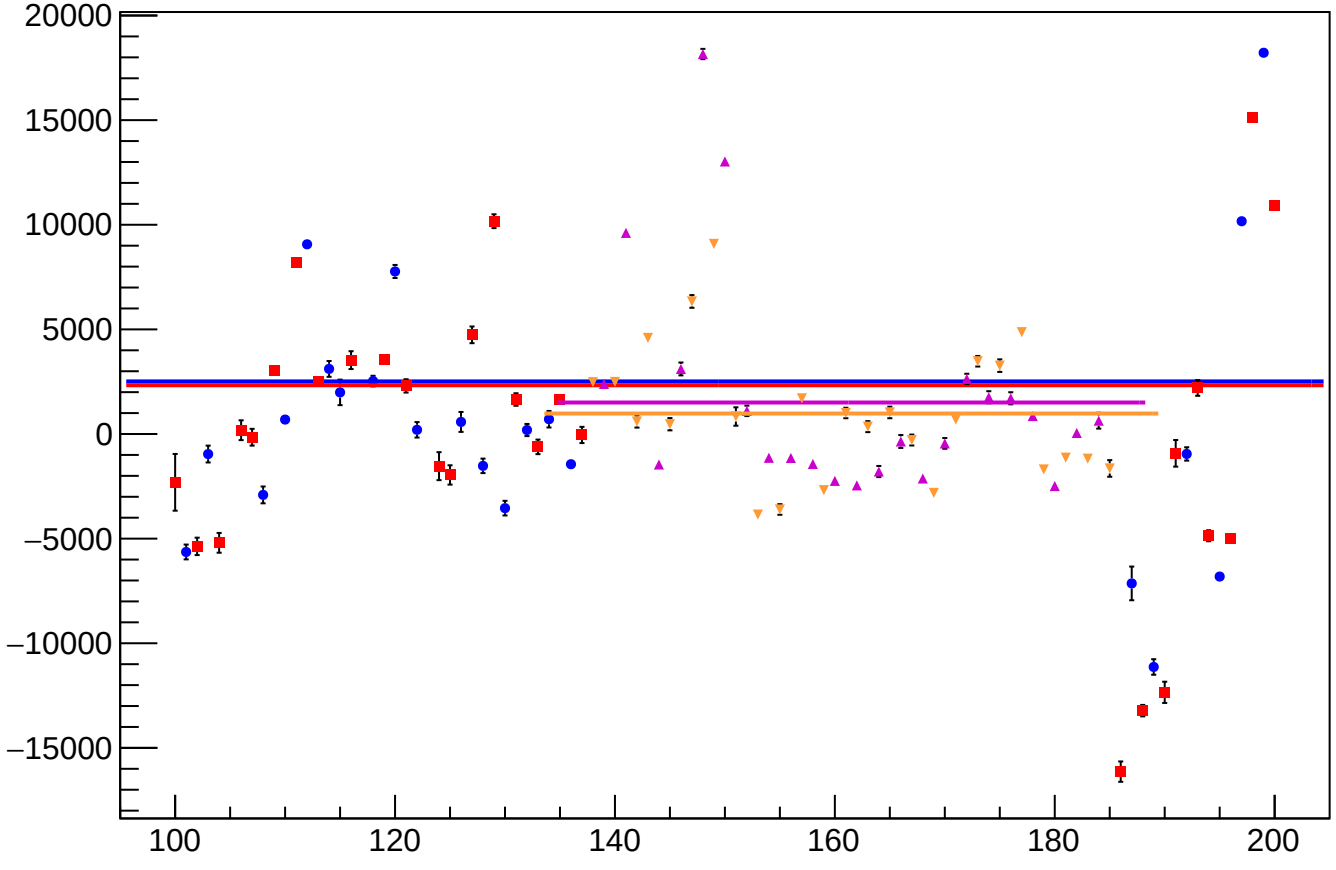
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.811+/-0.025 χ^2/NDF: 1644888.6/46

All: 183.710+/-0.017 χ^2/NDF: 3800024.7/97

- sign 179.218+/-0.023 χ^2/NDF: 2074374.8/50

asym_bpm0i05WS_mean vs Slug



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2329.786+/-54.964 χ^2/NDF: 16208.1/27

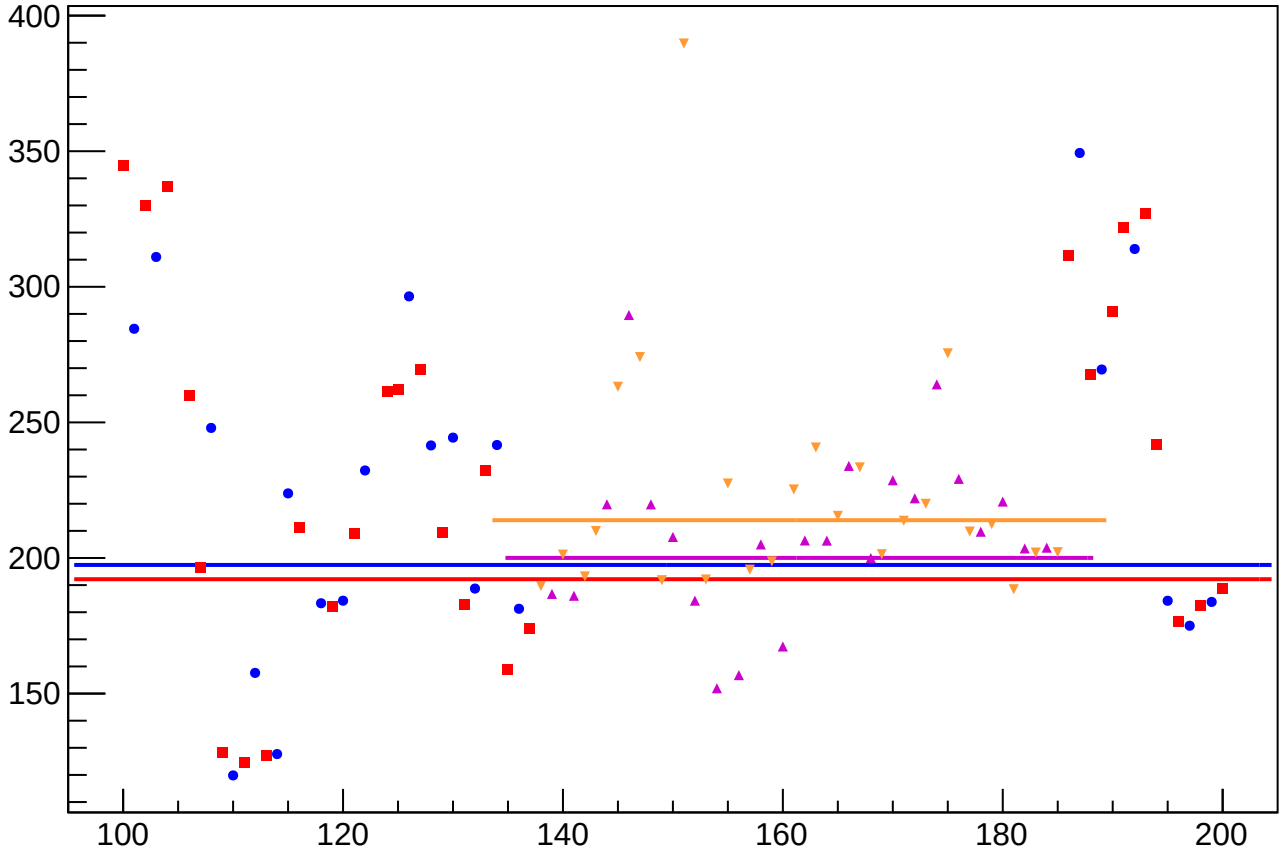
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1593.420+/-38.407 χ^2/NDF: 19648.5/46

All: 1735.919+/-26.333 χ^2/NDF: 47490.8/97

\- sign 1862.344+/-36.176 χ^2/NDF: 27816.3/50

asym_bpm0i05WS_rms vs Slug



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

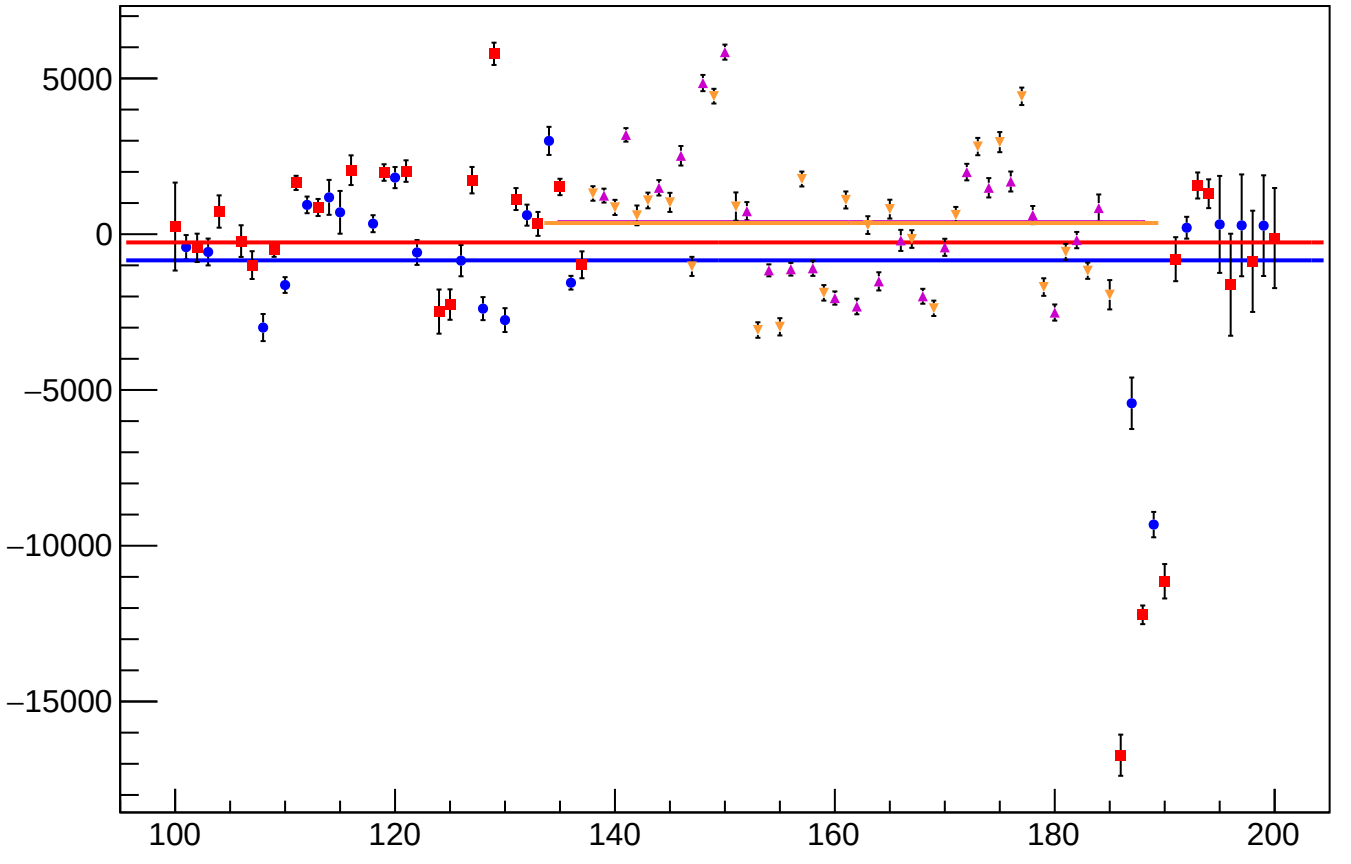
Right Out: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.323+/-0.027 χ^2/NDF: 2251624.6/46

All: 201.655+/-0.019 χ^2/NDF: 5376159.4/97

- sign 196.626+/-0.026 χ^2/NDF: 3042333.4/50



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.191+/-73.948 χ^2/NDF: 3268.9/27

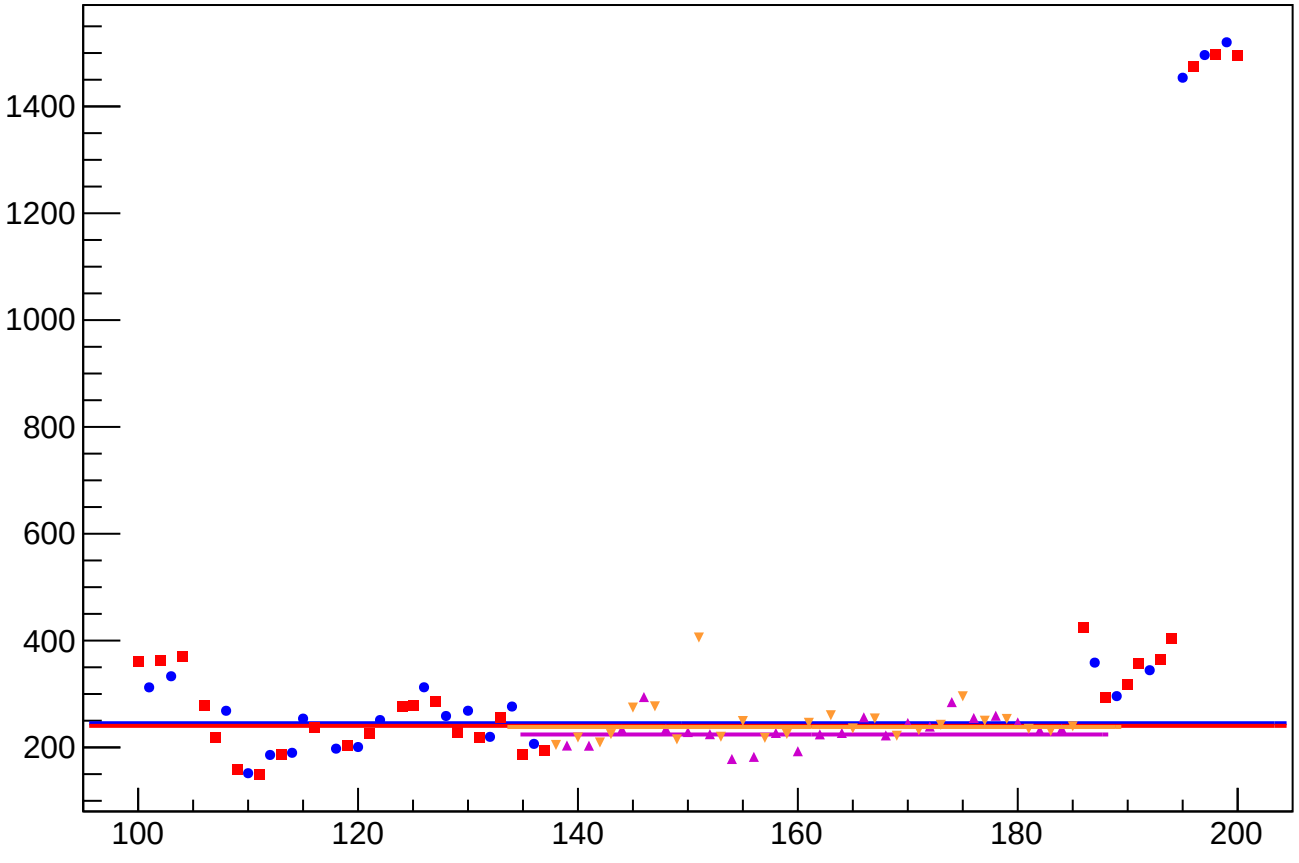
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.172+/-45.616 χ^2/NDF: 2364.8/46

All: 78.462+/-31.428 χ^2/NDF: 7496.8/97

- sign 163.066+/-43.360 χ^2/NDF: 5123.9/50

asym_bpm0i07WS_rms vs Slug



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

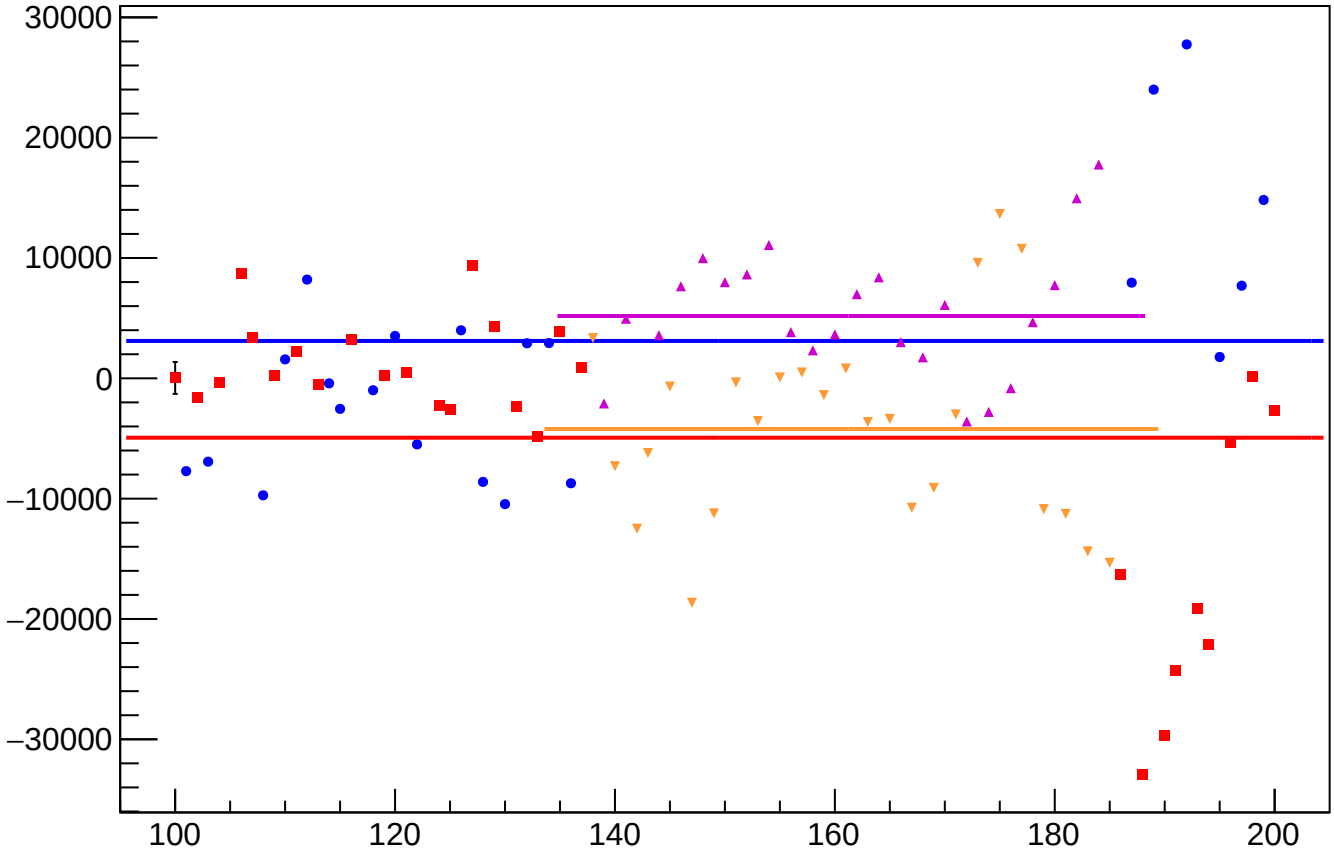
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 240.399+/-0.032 χ^2/NDF: 5196046.9/46

All: 234.816+/-0.022 χ^2/NDF: 11355650.0/97

- sign 229.772+/-0.031 χ^2/NDF: 6102577.0/50

asym_bpm1i02WS_mean vs Slug



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -4935.137+/-35.527 χ^2/NDF: 102493.8/27

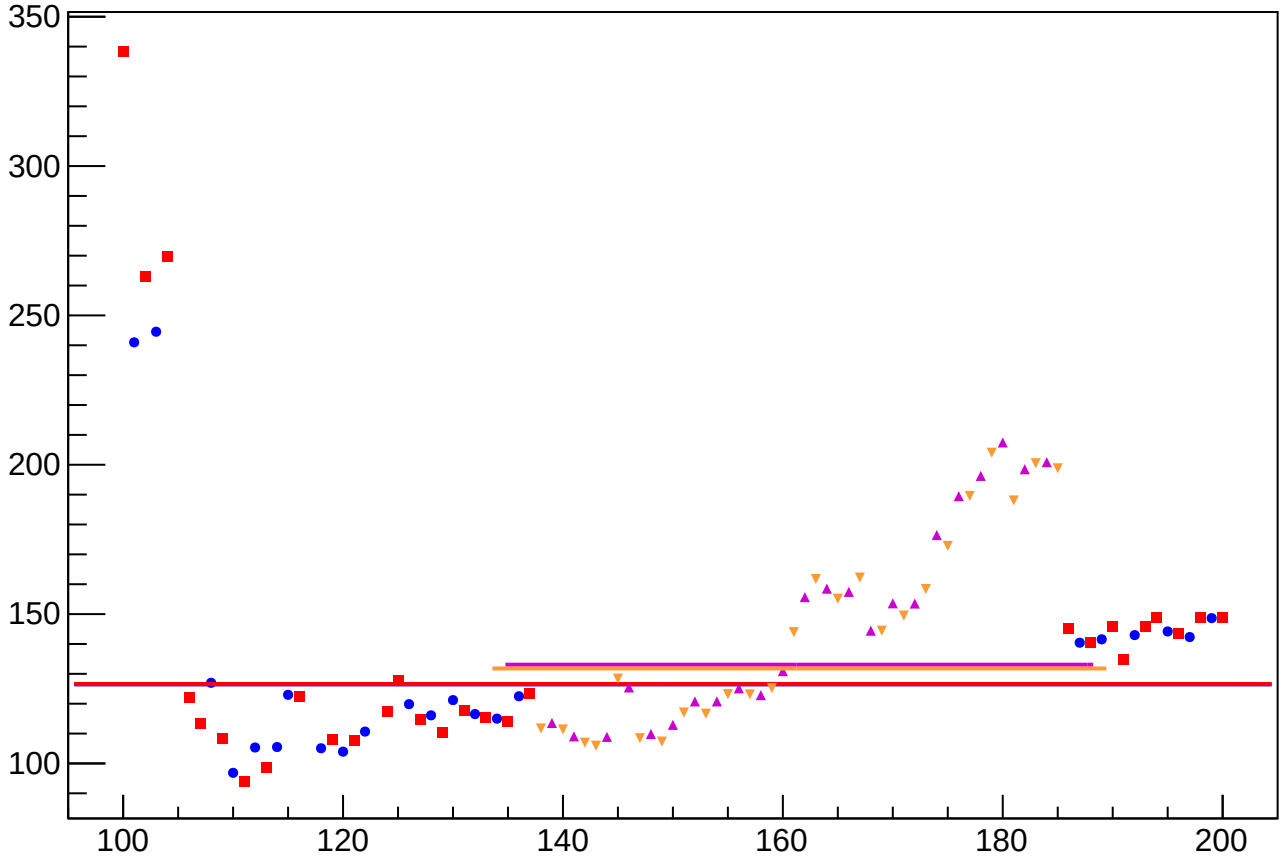
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1377.595+/-24.133 χ^2/NDF: 154228.9/46

All: -346.626+/-16.933 χ^2/NDF: 323636.2/97

- sign 653.069+/-23.764 χ^2/NDF: 165812.6/50

asym_bpm1i02WS_rms vs Slug



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

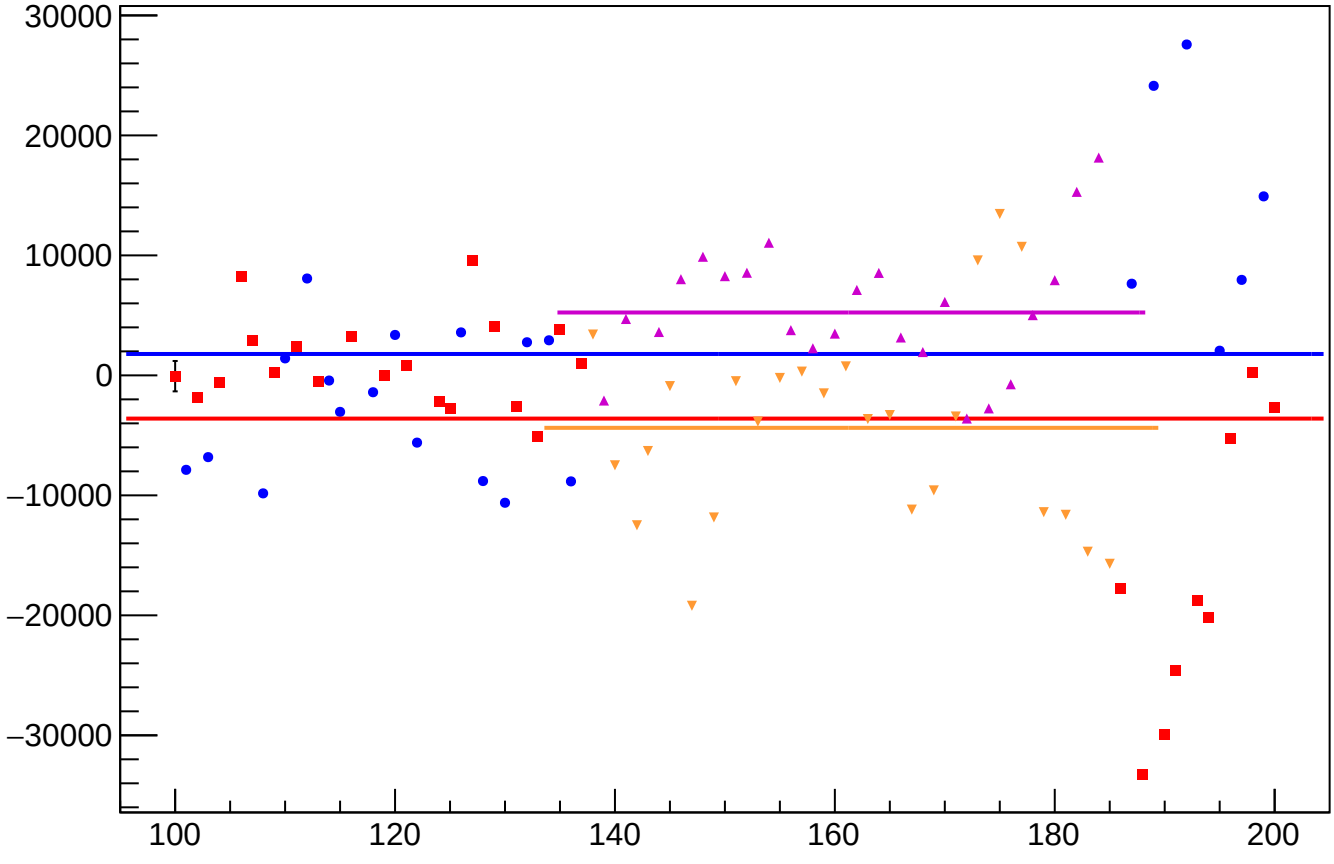
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.732+/-0.017 χ^2/NDF: 2486679.0/46

All: 129.950+/-0.012 χ^2/NDF: 5137675.9/97

- sign 130.162+/-0.017 χ^2/NDF: 2650674.3/50

asym_bpm1i04WS_mean vs Slug



Right In: 1782.423+/-34.483 χ^2/NDF: 82520.3/21

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3602.563+/-31.884 χ^2/NDF: 109674.3/27

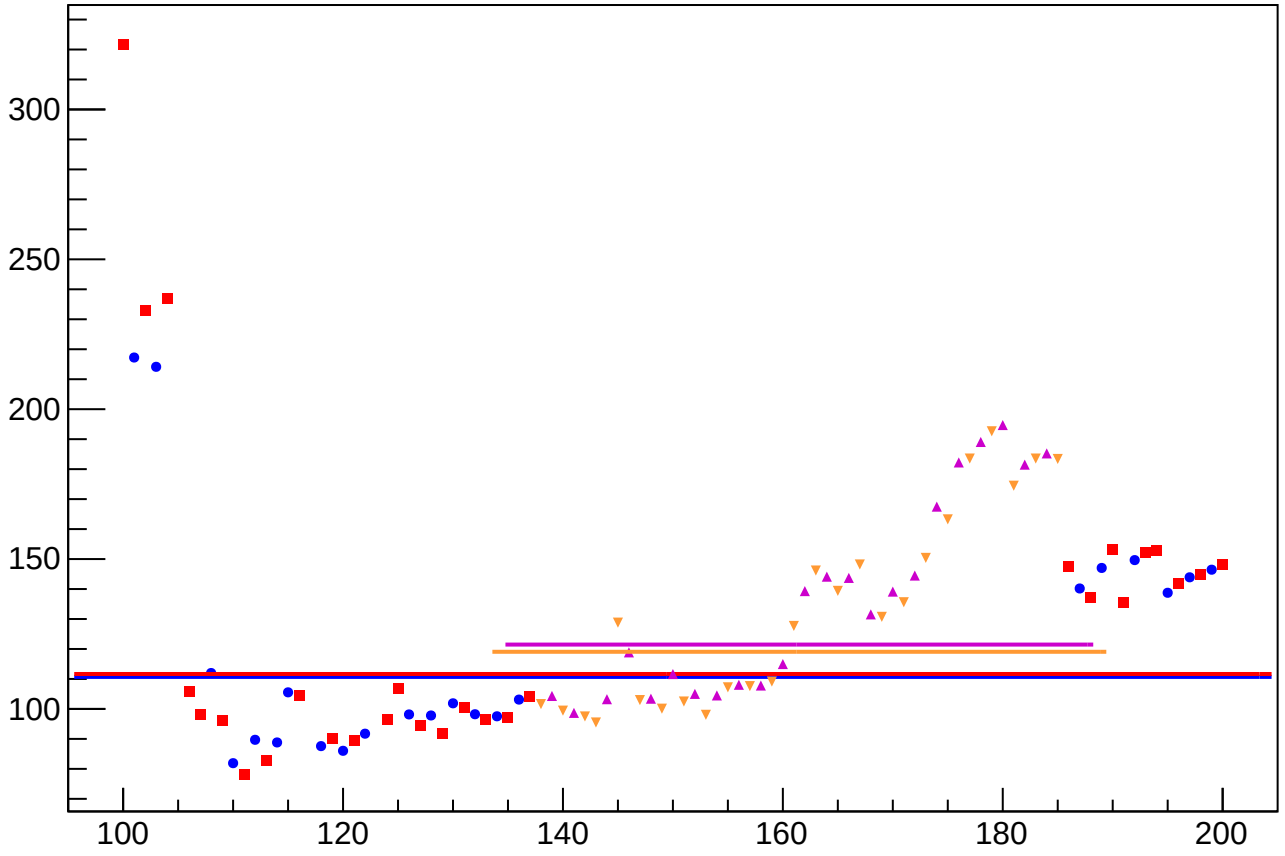
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1931.674+/-21.716 χ^2/NDF: 168965.0/46

All: -354.902+/-15.298 χ^2/NDF: 353140.9/97

- sign 1198.575+/-21.555 χ^2/NDF: 173709.3/50

asym_bpm1i04WS_rms vs Slug



Right In: 110.686+/-0.024 χ^2/NDF: 1439371.6/21

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 111.655+/-0.023 χ^2/NDF: 1897783.3/27

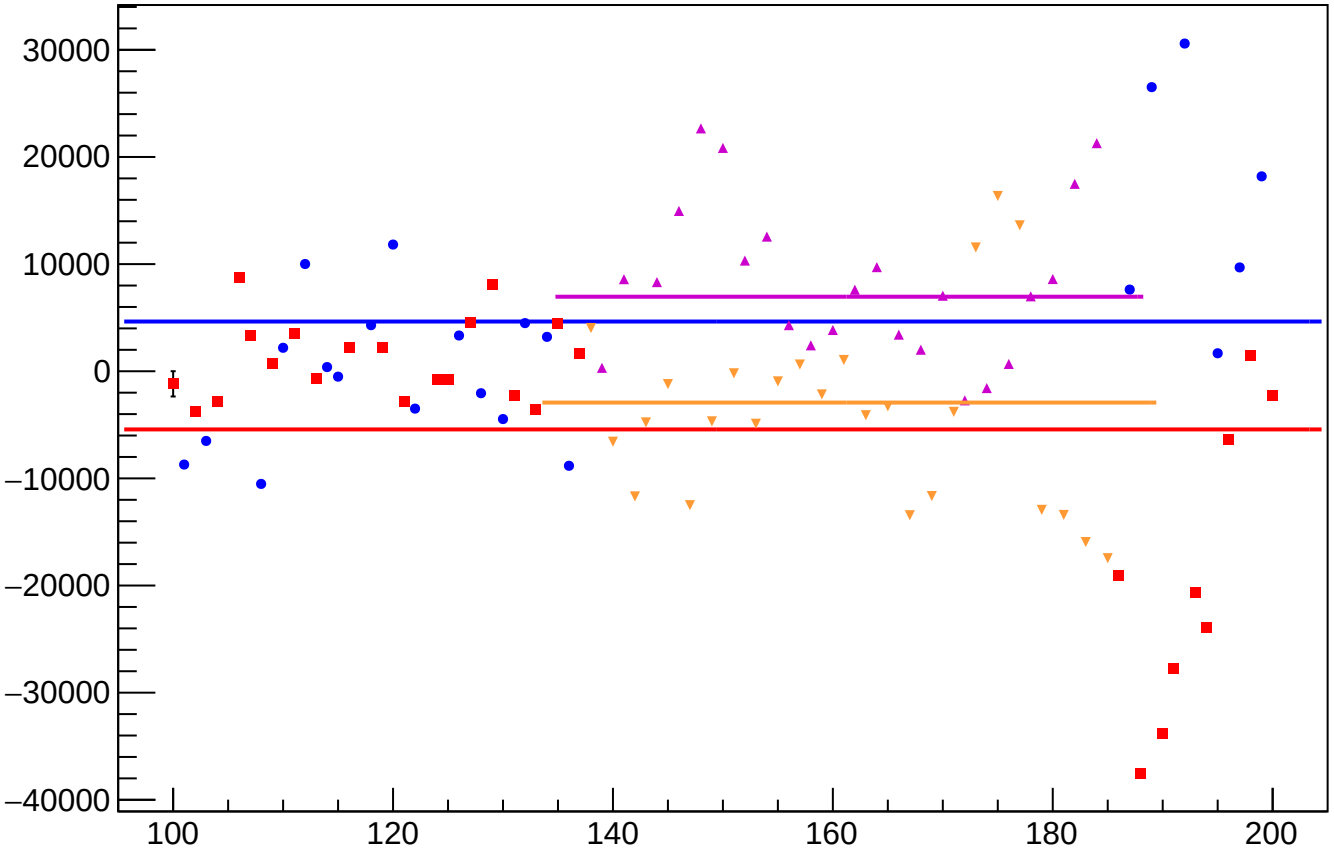
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 115.741+/-0.015 χ^2/NDF: 3266045.3/46

All: 116.367+/-0.011 χ^2/NDF: 6799370.0/97

- sign 116.983+/-0.015 χ^2/NDF: 3530031.7/50

asym_bpm1i06WS_mean vs Slug



Right In: 4640.829+/-45.388 χ^2/NDF: 60368.6/21

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5429.156+/-42.013 χ^2/NDF: 91929.5/27

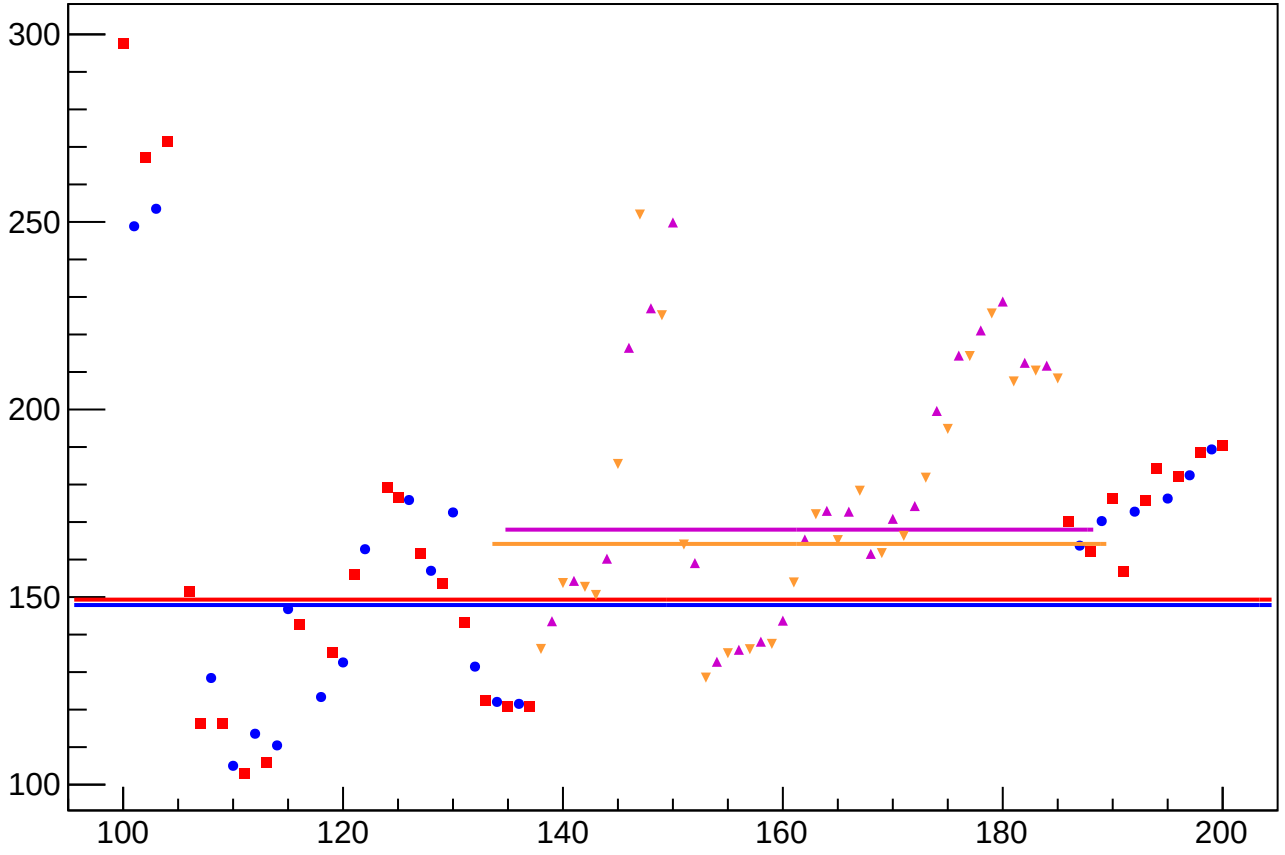
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 211.776+/-29.220 χ^2/NDF: 114683.1/46

All: 623.044+/-20.606 χ^2/NDF: 274671.2/97

- sign 1029.897+/-29.062 χ^2/NDF: 159594.0/50

asym_bpm1i06WS_rms vs Slug



Right In: 147.877+/-0.032 χ^2/NDF: 1142069.2/21

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

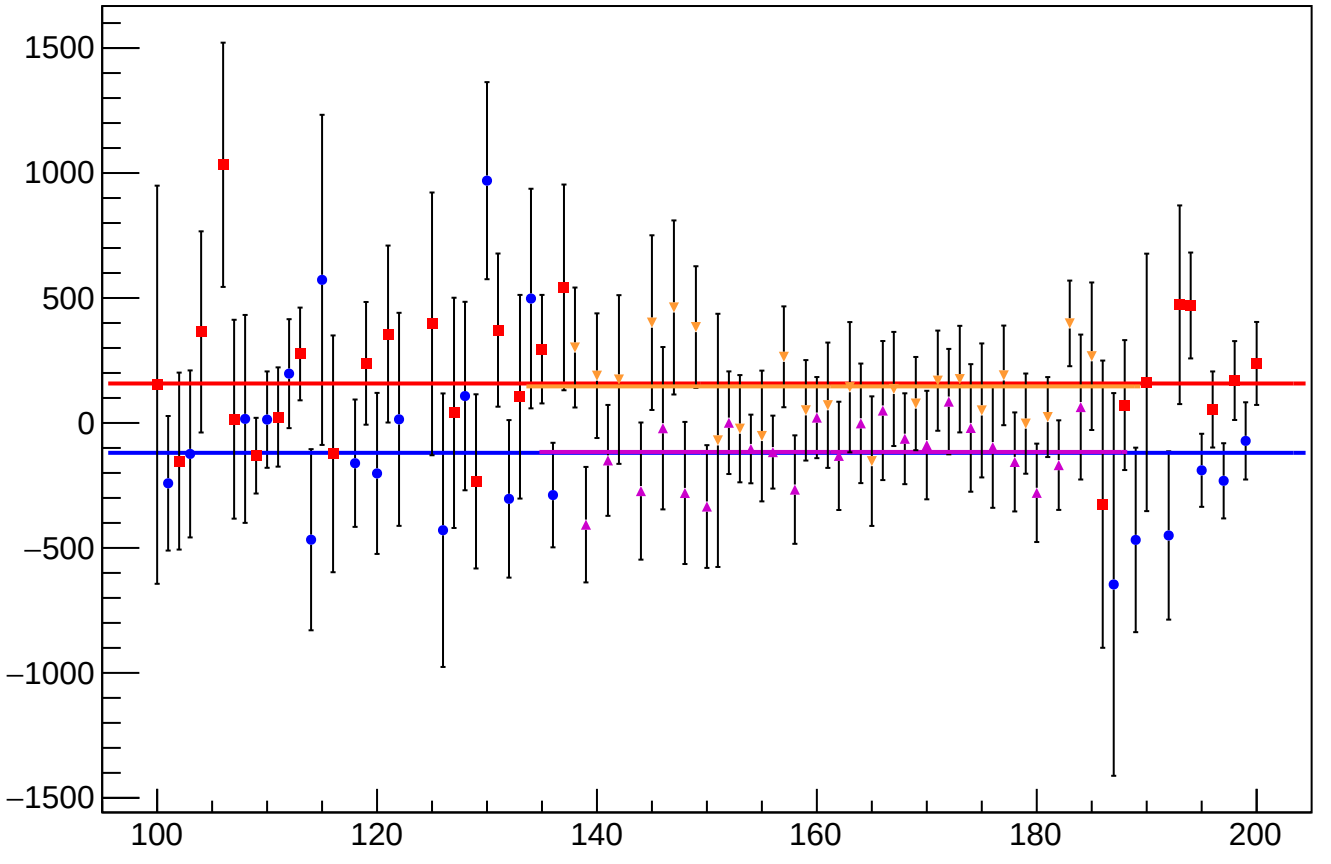
Right Out: 149.323+/-0.030 χ^2/NDF: 1429477.9/27

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 157.419+/-0.021 χ^2/NDF: 2517425.0/46

All: 158.239+/-0.015 χ^2/NDF: 5378353.6/97

- sign 159.050+/-0.021 χ^2/NDF: 2857796.7/50



Right In: -119.500+/-55.674 χ^2/NDF: 19.6/21

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 157.892+/-51.066 χ^2/NDF: 17.3/25

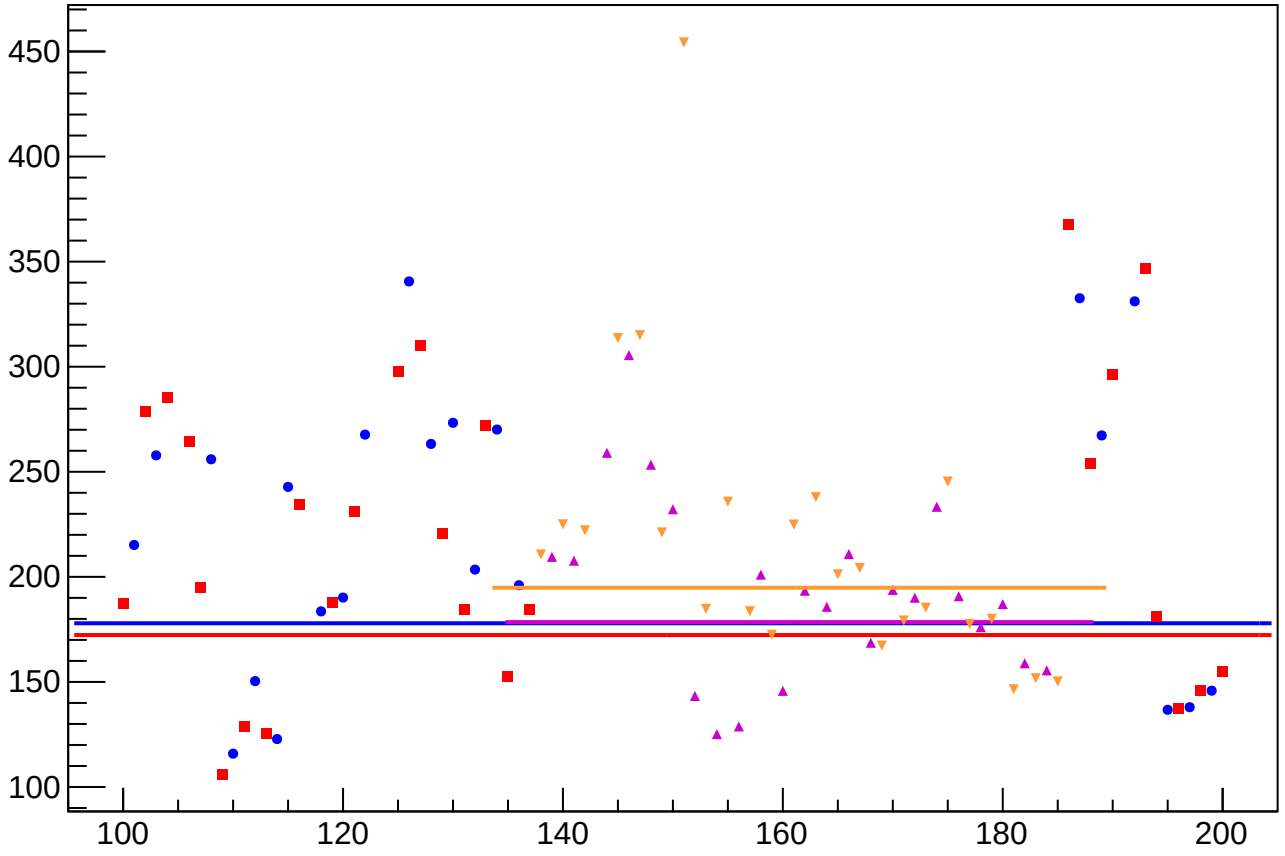
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 35.922+/-35.882 χ^2/NDF: 42.9/45

All: 16.282+/-24.353 χ^2/NDF: 85.0/94

- sign -0.491+/-33.160 χ^2/NDF: 41.5/48

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 177.917+/-0.039 χ^2/NDF: 2131561.7/21

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 172.315+/-0.036 χ^2/NDF: 2711281.5/25

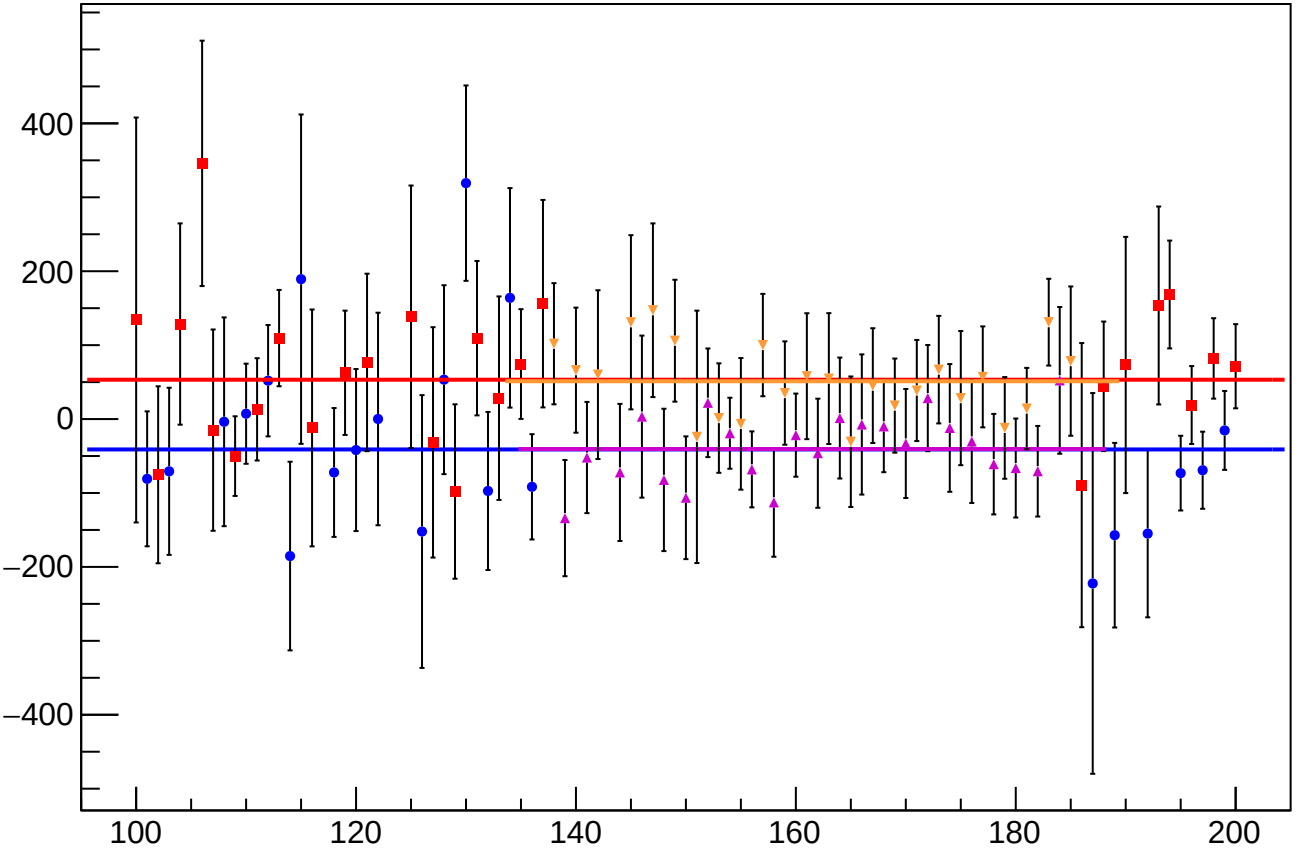
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 187.804+/-0.025 χ^2/NDF: 3991915.2/45

All: 181.371+/-0.017 χ^2/NDF: 8515469.1/94

- sign 175.878+/-0.023 χ^2/NDF: 4404382.6/48

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -41.090+/-19.128 χ^2/NDF: 19.2/21

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 53.232+/-17.599 χ^2/NDF: 17.4/25

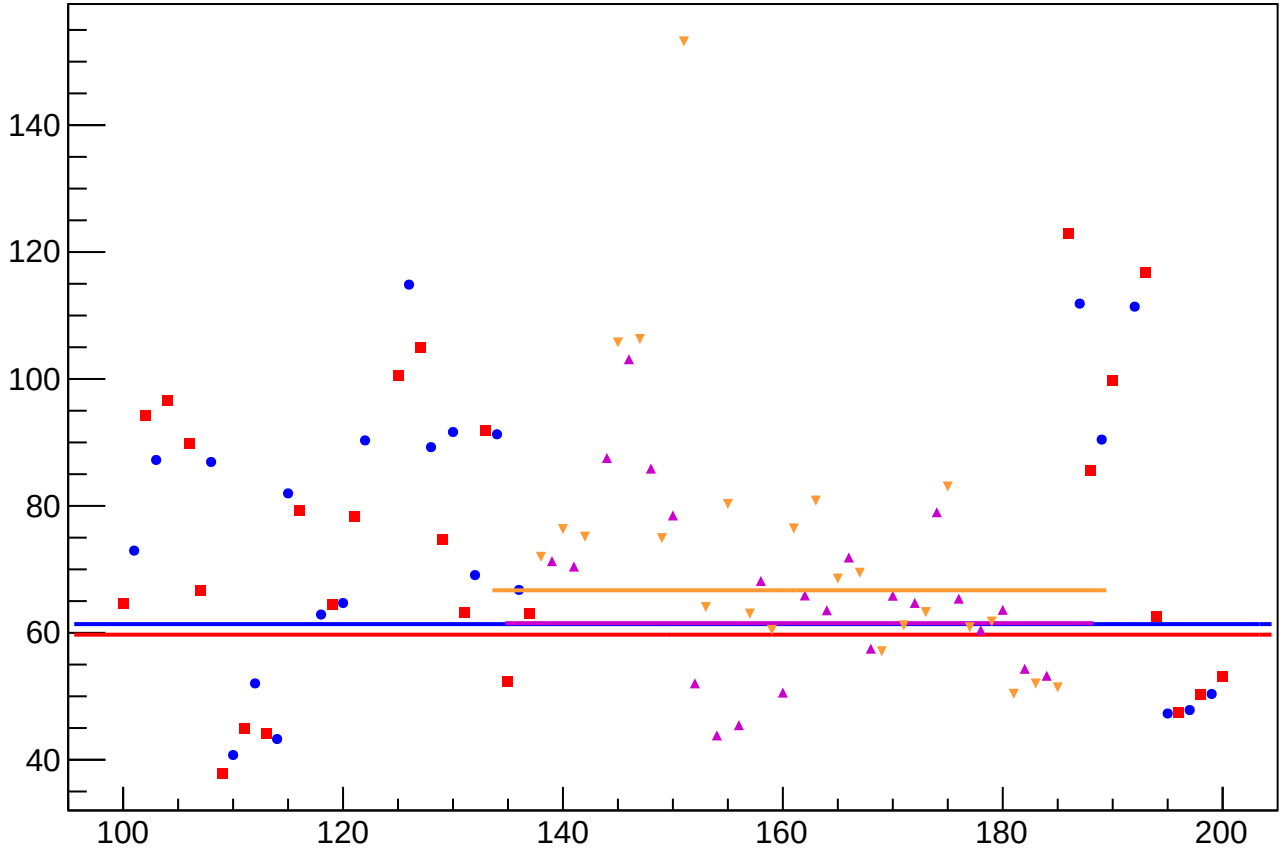
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 13.082+/-12.289 χ^2/NDF: 41.0/45

All: 5.437+/-8.360 χ^2/NDF: 83.5/94

- sign -1.149+/-11.406 χ^2/NDF: 41.8/48

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 61.375+/-0.014 χ^2/NDF: 1981548.7/21

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.712+/-0.012 χ^2/NDF: 2503245.3/25

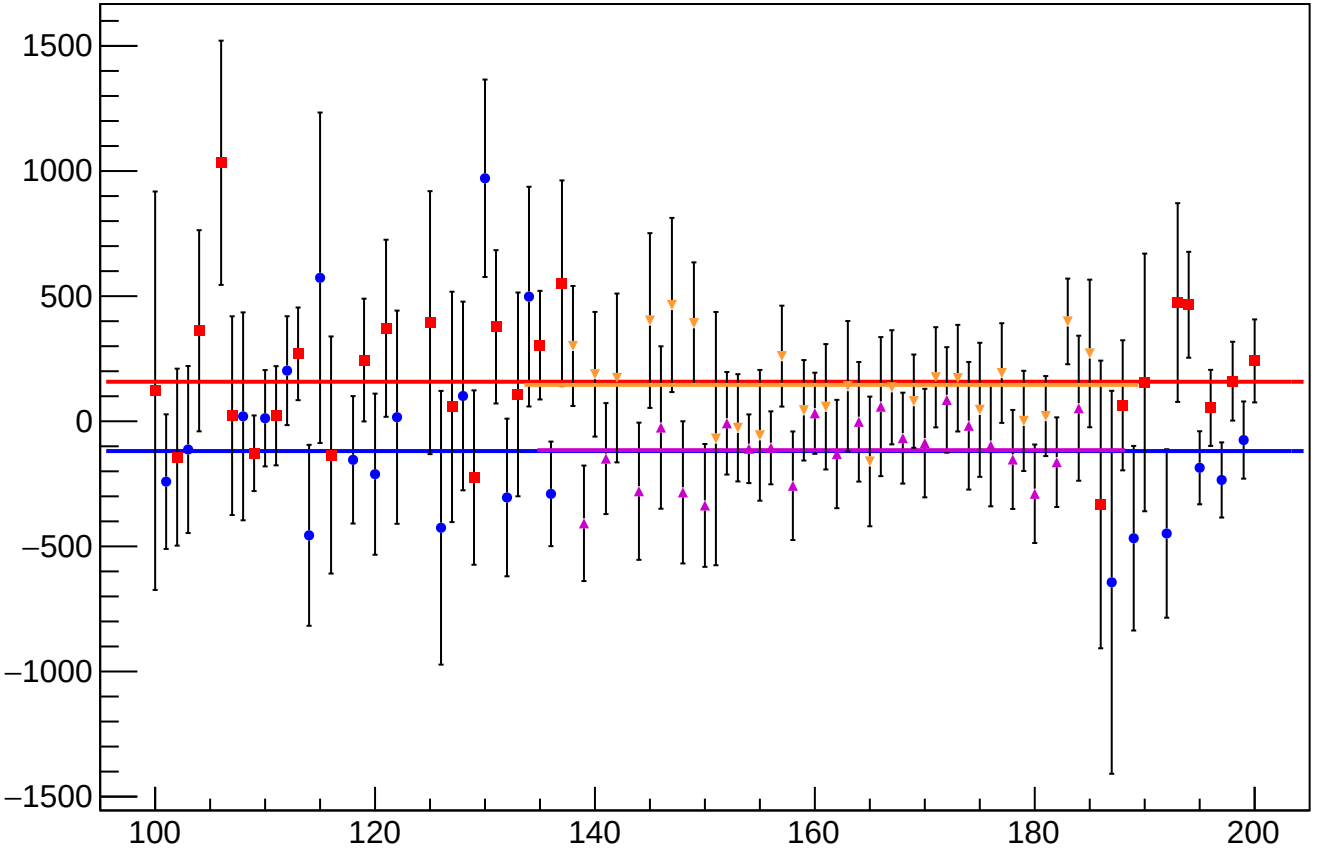
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 64.504+/-0.009 χ^2/NDF: 3748989.1/45

All: 62.496+/-0.006 χ^2/NDF: 7853867.6/94

- sign 60.766+/-0.008 χ^2/NDF: 4005457.0/48

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 157.973+/-51.003 χ^2/NDF: 17.3/25

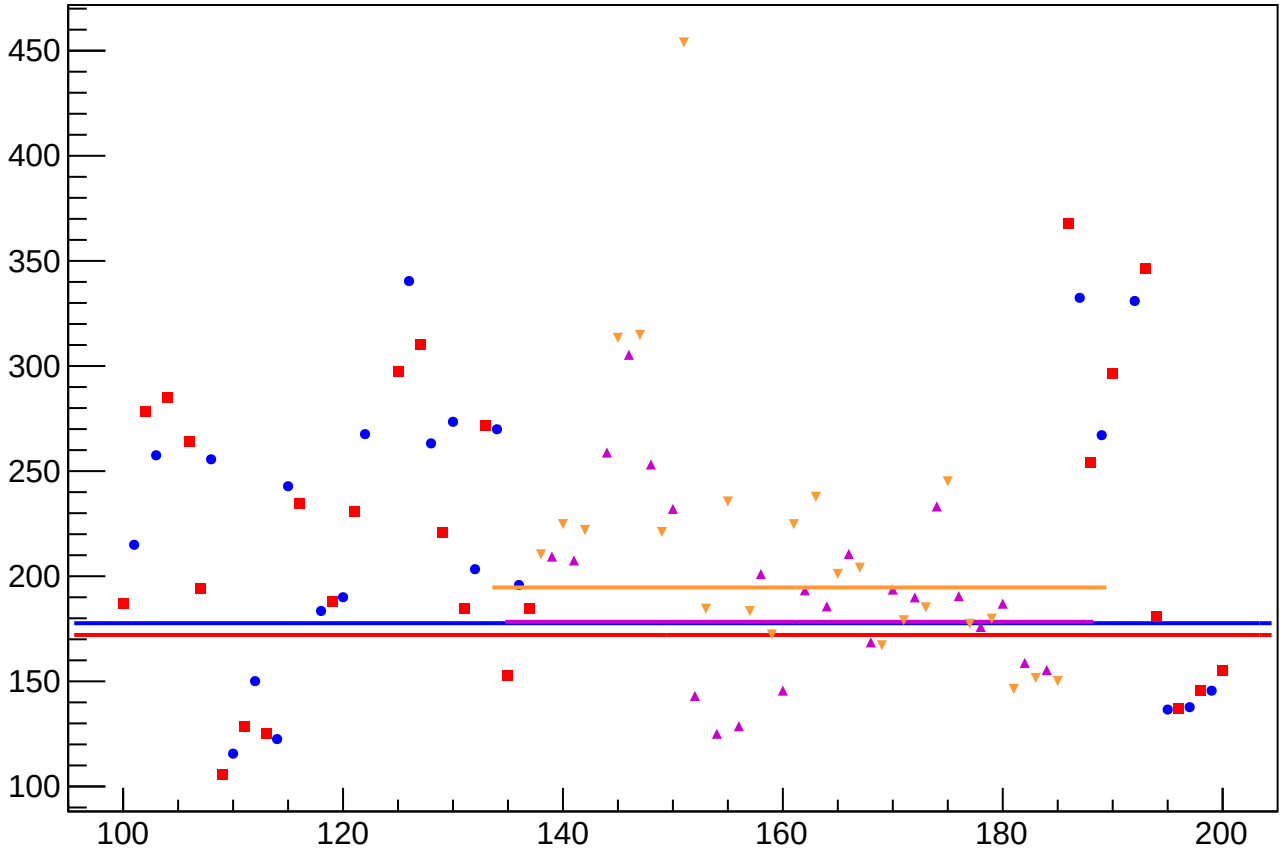
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 35.542+/-35.845 χ^2/NDF: 43.1/45

All: 16.306+/-24.329 χ^2/NDF: 85.3/94

- sign -0.123+/-33.127 χ^2/NDF: 41.7/48

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 172.070+/-0.036 χ^2/NDF: 2719558.6/25

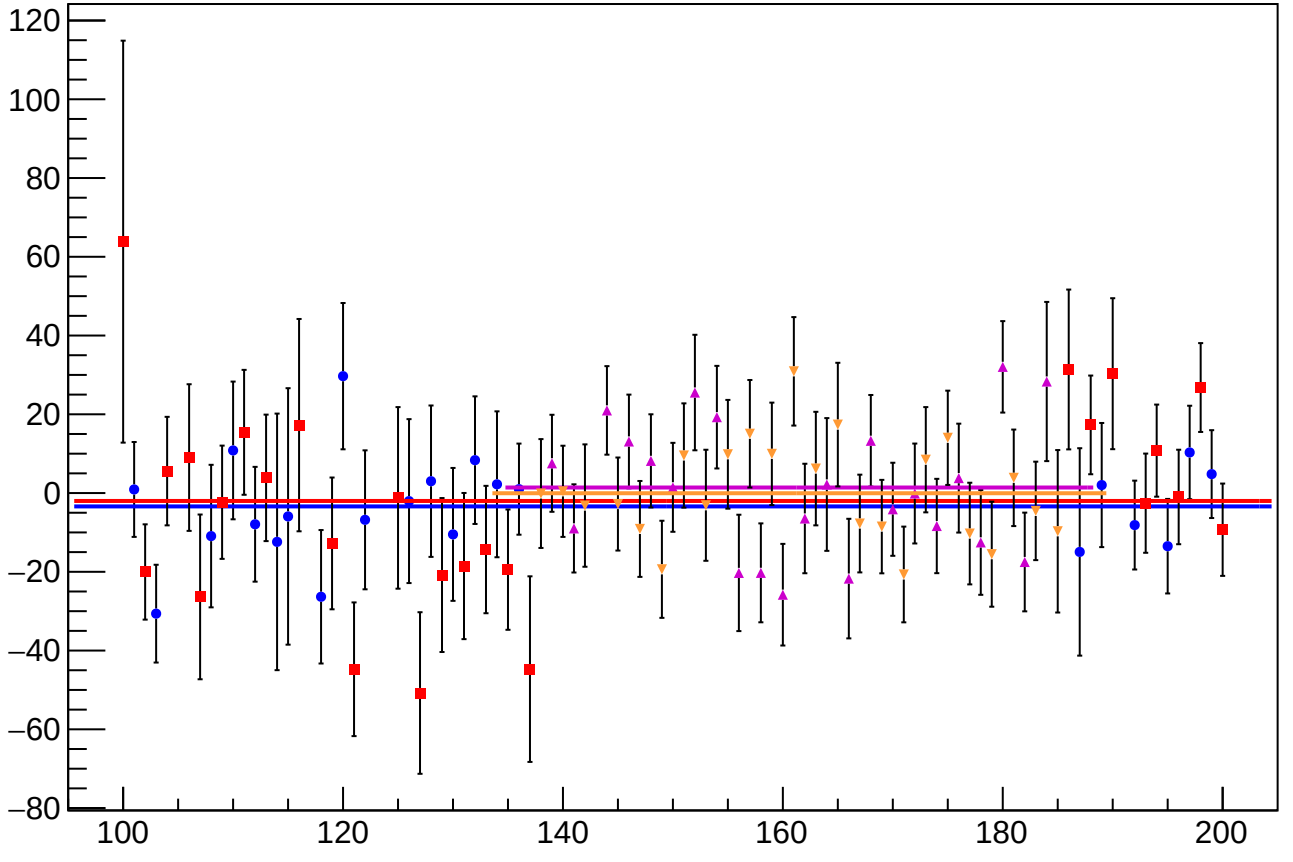
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 187.595+/-0.025 χ^2/NDF: 4000555.3/45

All: 181.170+/-0.017 χ^2/NDF: 8534952.0/94

\- sign 175.682+/-0.023 χ^2/NDF: 4415246.0/48

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -2.009+/-3.076 χ^2/NDF: 43.1/25

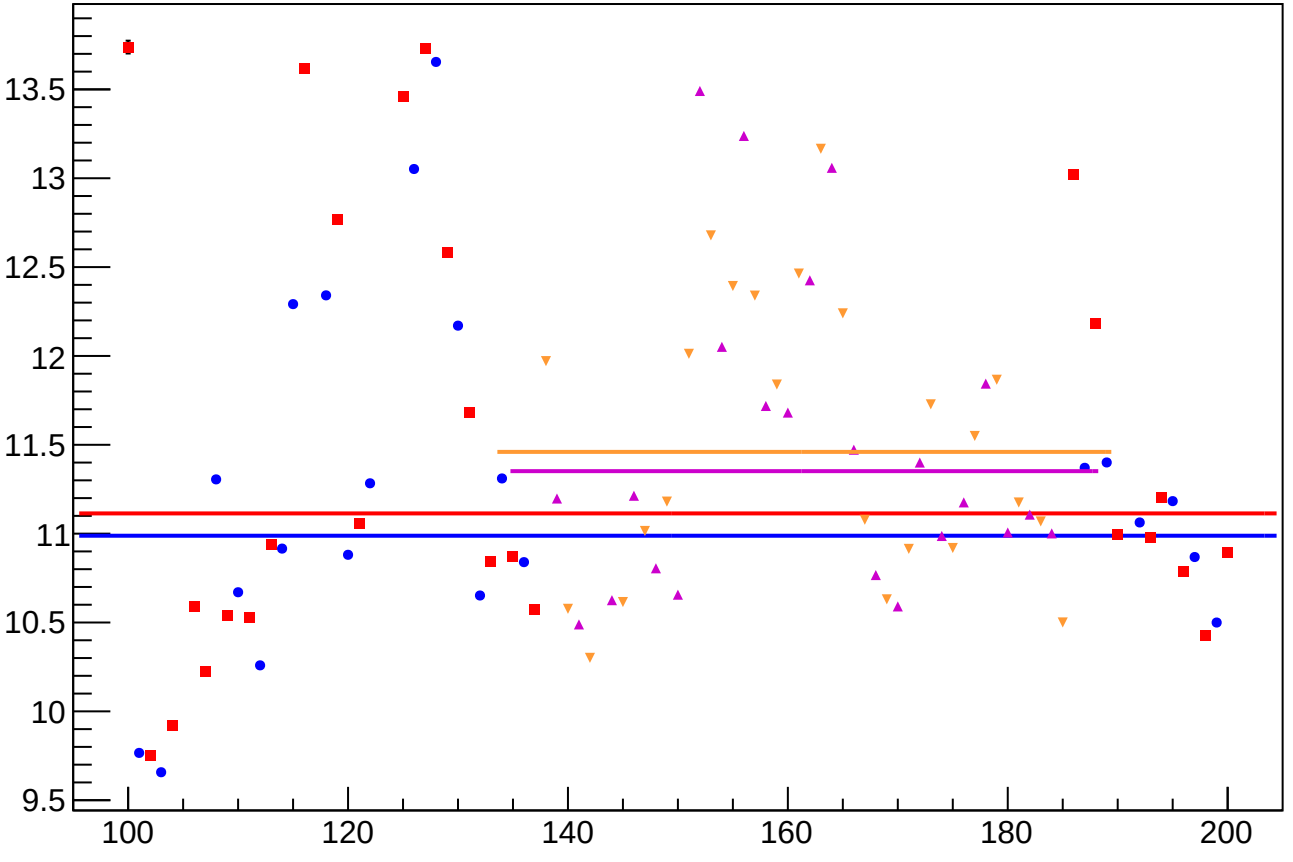
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.400+/-2.073 χ^2/NDF: 36.2/45

All: -0.713+/-1.446 χ^2/NDF: 116.5/94

- sign -0.063+/-2.018 χ^2/NDF: 80.1/48

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

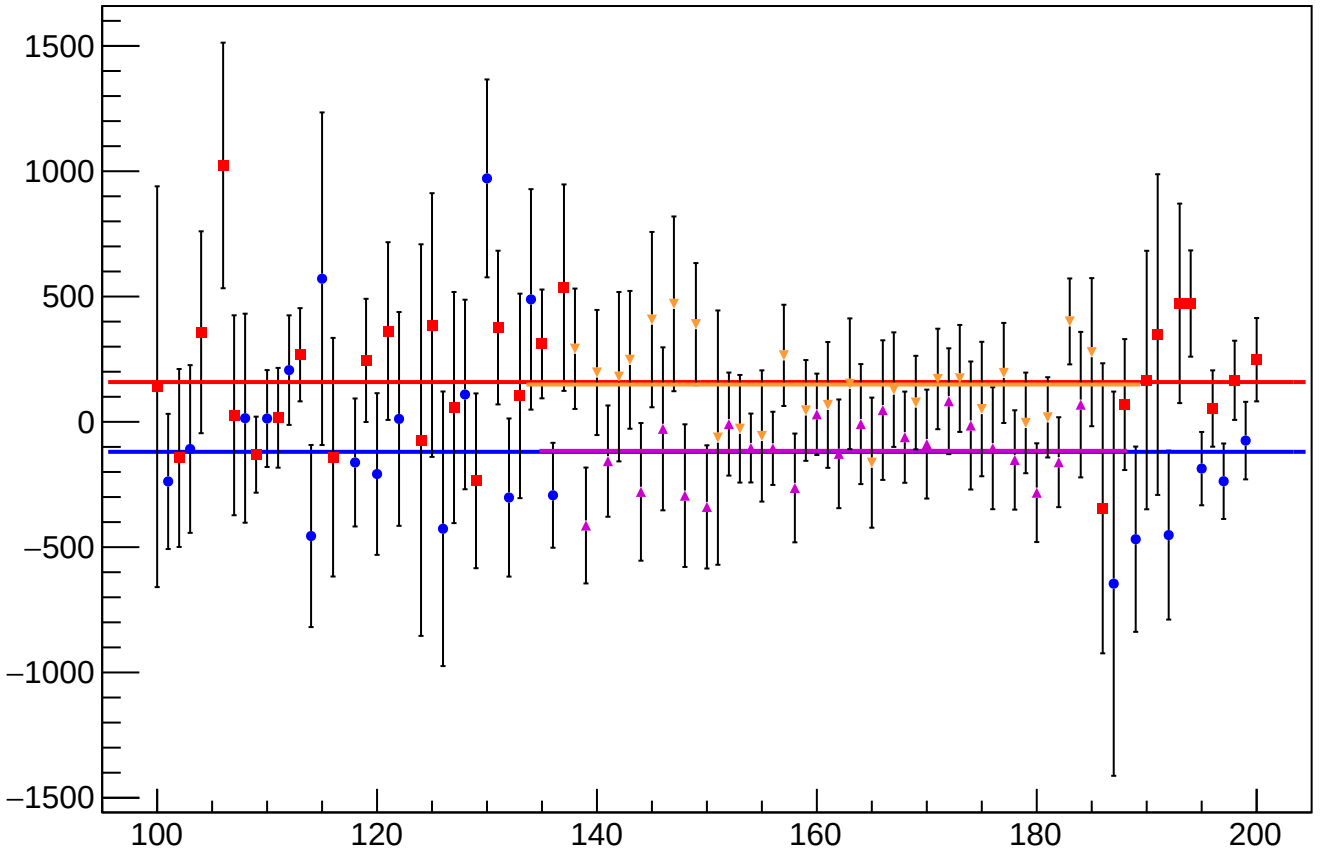
Right Out: 11.114+/-0.002 χ^2/NDF: 204611.8/25

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.270+/-0.001 χ^2/NDF: 317989.3/45

All: 11.259+/-0.001 χ^2/NDF: 700070.4/94

- sign 11.249+/-0.001 χ^2/NDF: 381984.1/48



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 158.766+/-50.877 χ^2/NDF: 17.5/27

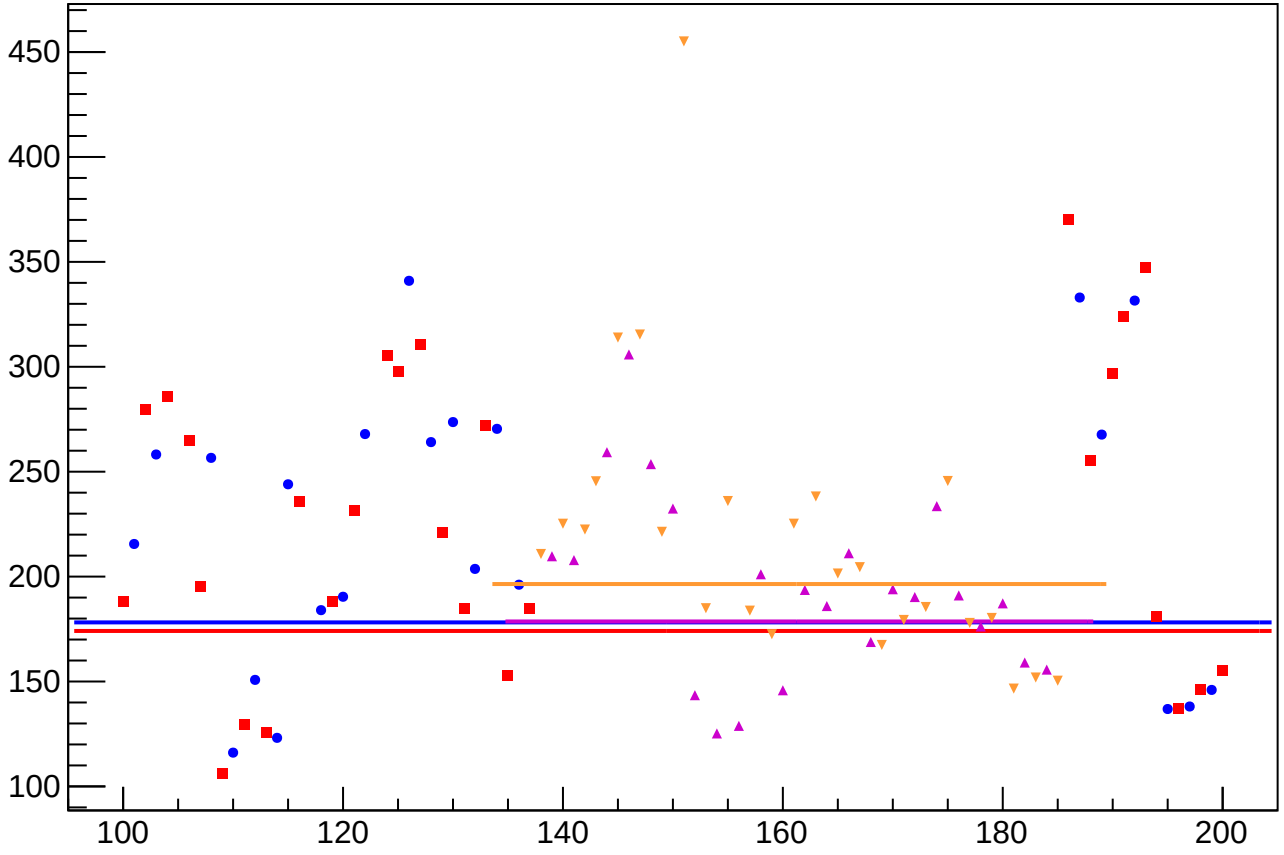
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 39.308+/-35.623 χ^2/NDF: 43.8/46

All: 18.569+/-24.258 χ^2/NDF: 86.6/97

- sign 0.637+/-33.124 χ^2/NDF: 42.1/50

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

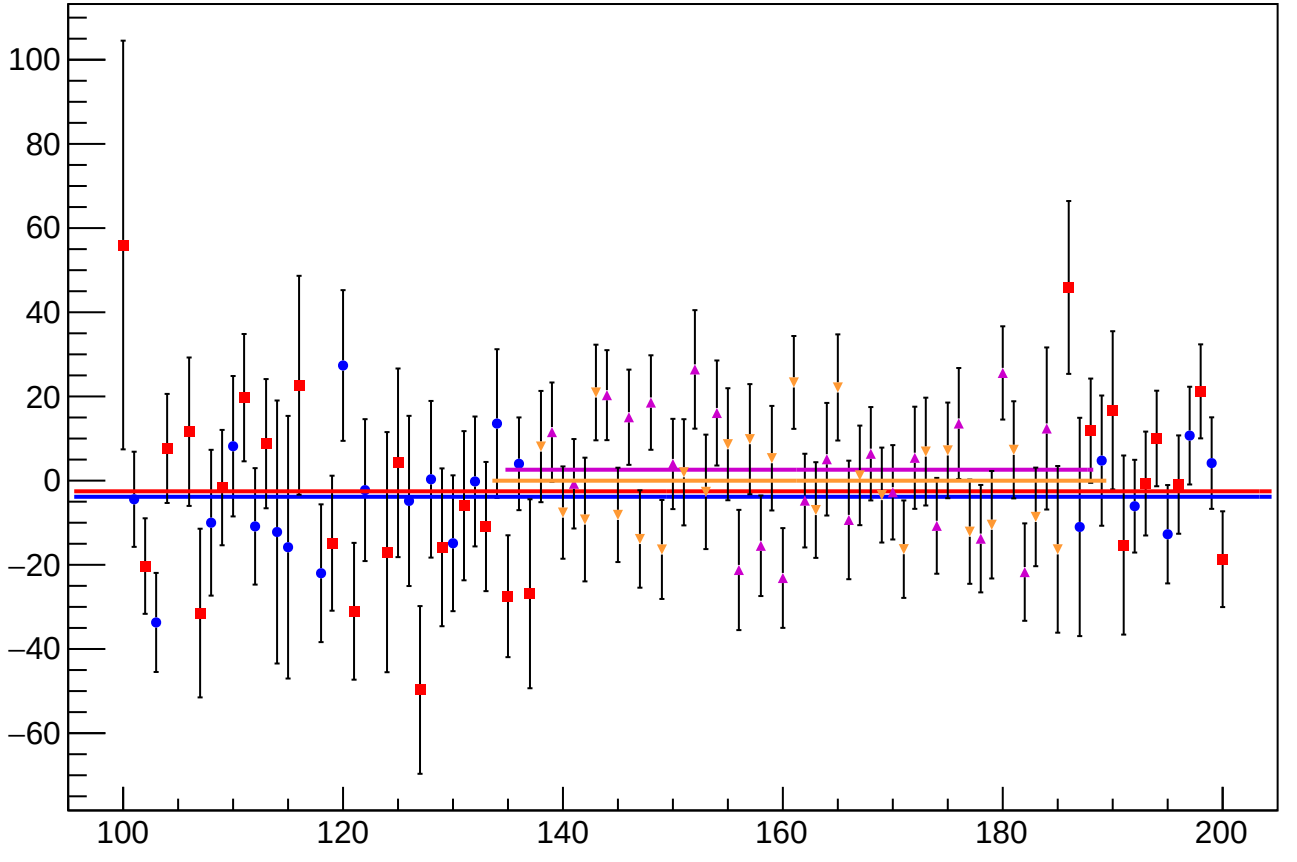
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 188.993+/-0.025 χ^2/NDF: 4078289.1/46

All: 182.399+/-0.017 χ^2/NDF: 8778304.0/97

- sign 176.697+/-0.023 χ^2/NDF: 4572224.9/50

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.537+/-2.923 χ^2/NDF: 41.6/27

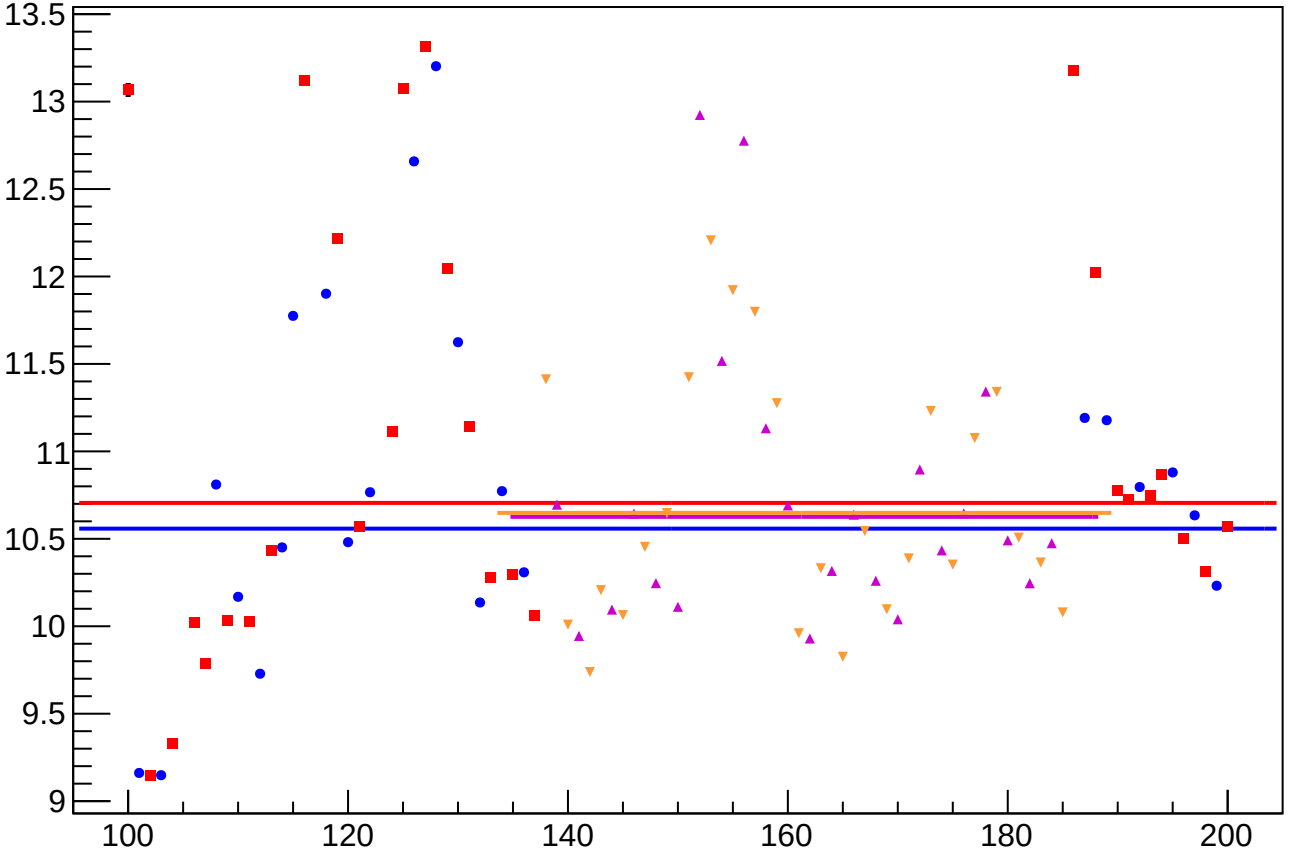
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.461+/-1.929 χ^2/NDF: 41.7/46

All: -0.508+/-1.354 χ^2/NDF: 120.3/97

- sign 0.419+/-1.902 χ^2/NDF: 78.2/50

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.705+/-0.002 χ^2/NDF: 245706.3/27

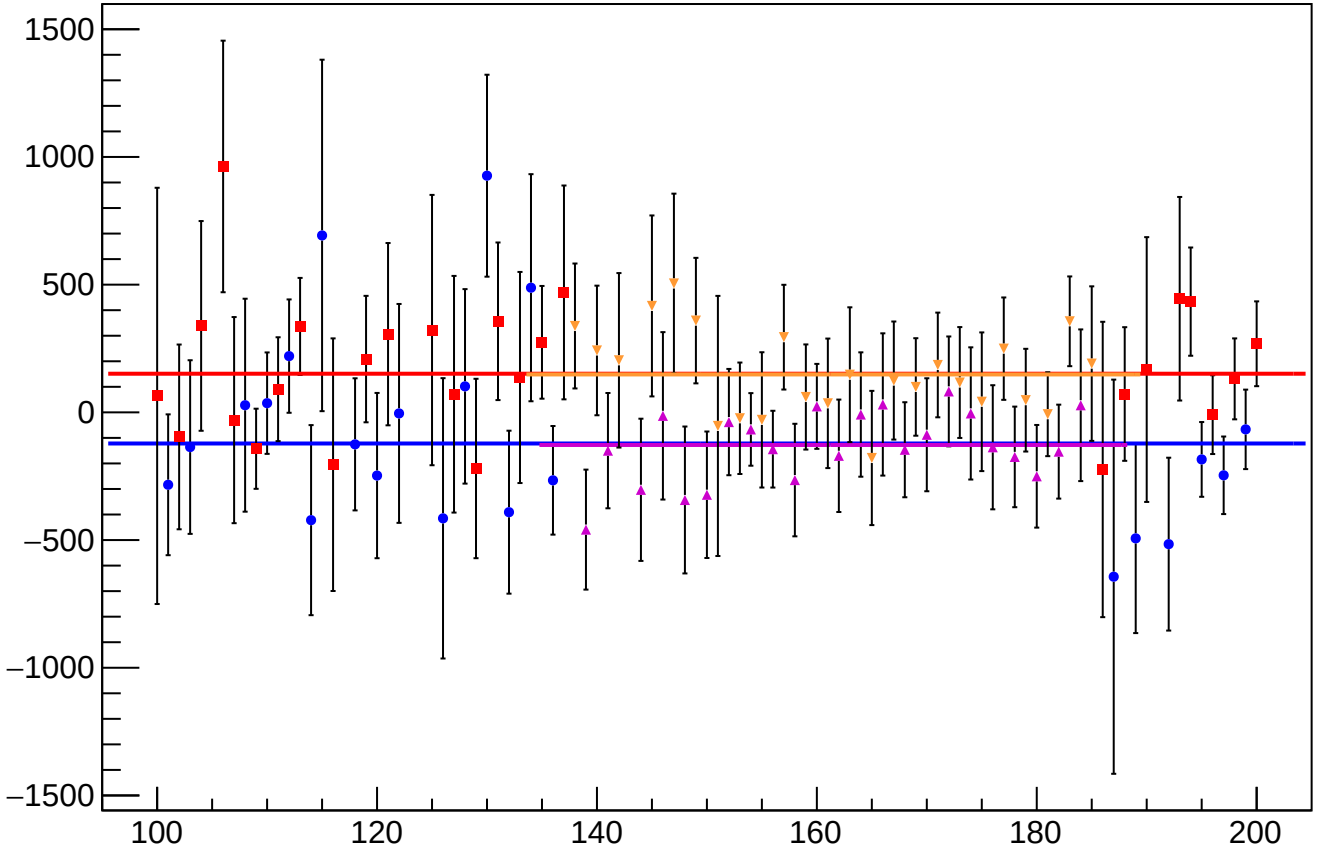
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.614+/-0.001 χ^2/NDF: 311652.9/46

All: 10.637+/-0.001 χ^2/NDF: 718317.4/97

- sign 10.659+/-0.001 χ^2/NDF: 406107.7/50

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 151.270+/-51.773 χ^2/NDF: 15.9/25

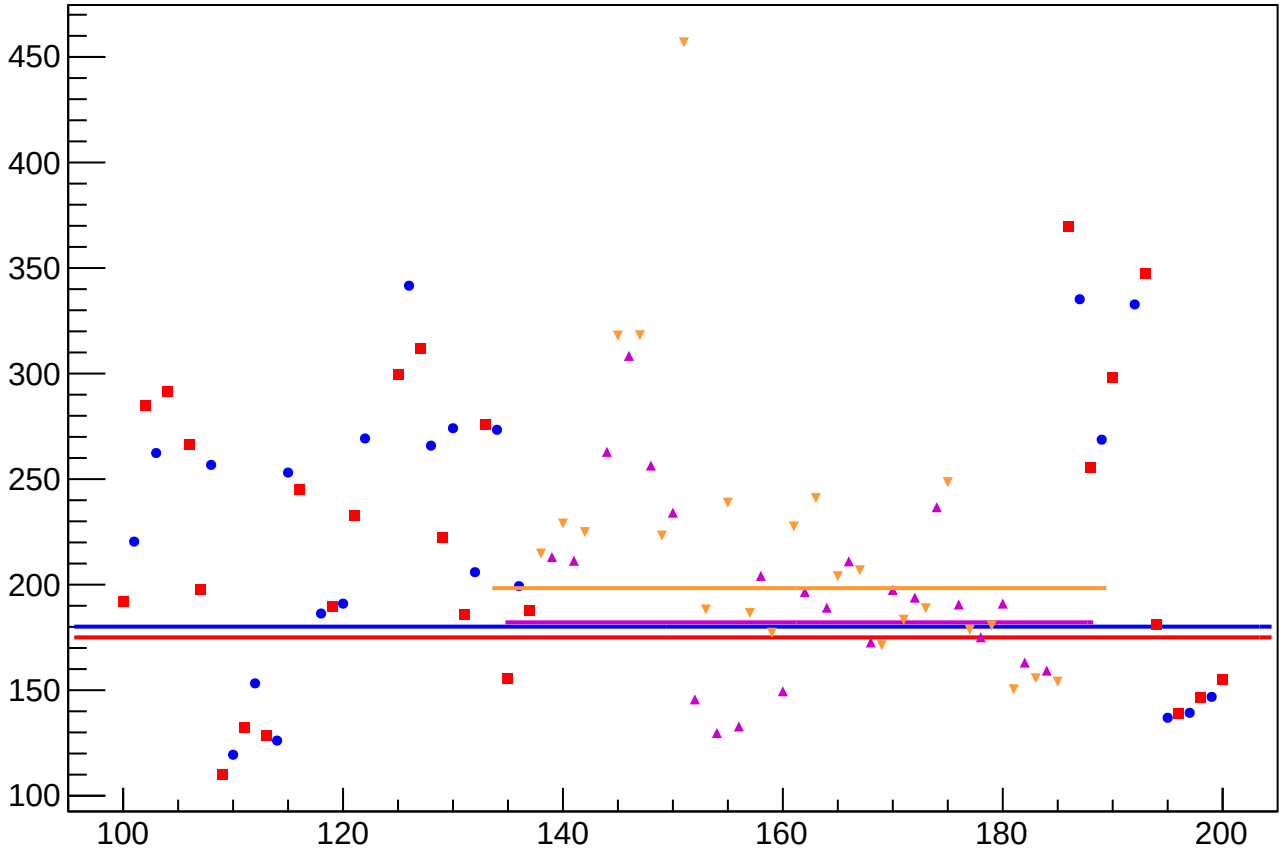
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 35.476+/-36.410 χ^2/NDF: 43.6/45

All: 11.315+/-24.738 χ^2/NDF: 84.9/94

- sign -9.401+/-33.715 χ^2/NDF: 40.5/48

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 175.022+/-0.037 χ^2/NDF: 2643774.9/25

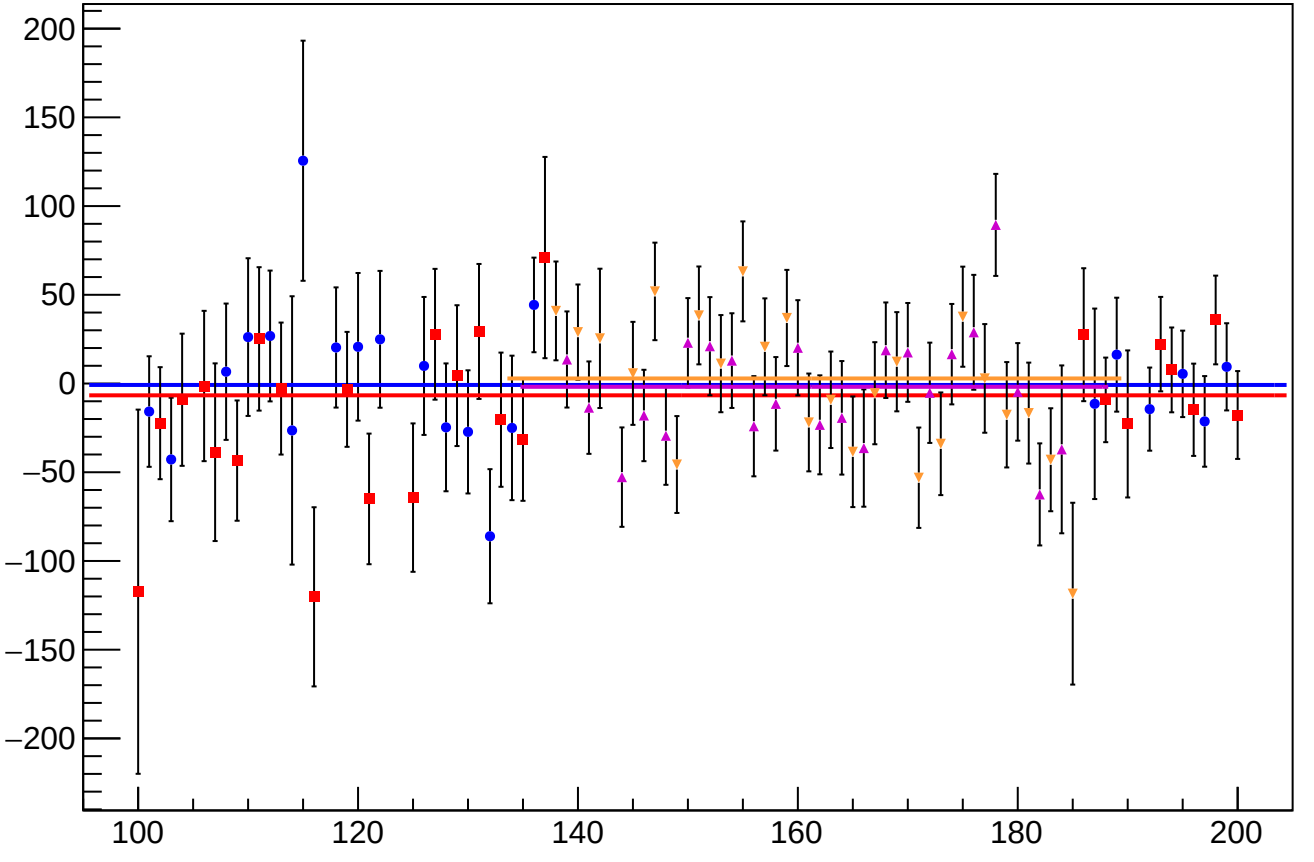
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 190.729+/-0.026 χ^2/NDF: 3934322.1/45

All: 184.483+/-0.017 χ^2/NDF: 8293605.1/94

- sign 179.127+/-0.024 χ^2/NDF: 4249966.8/48

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.651+/-6.670 χ^2/NDF: 23.2/25

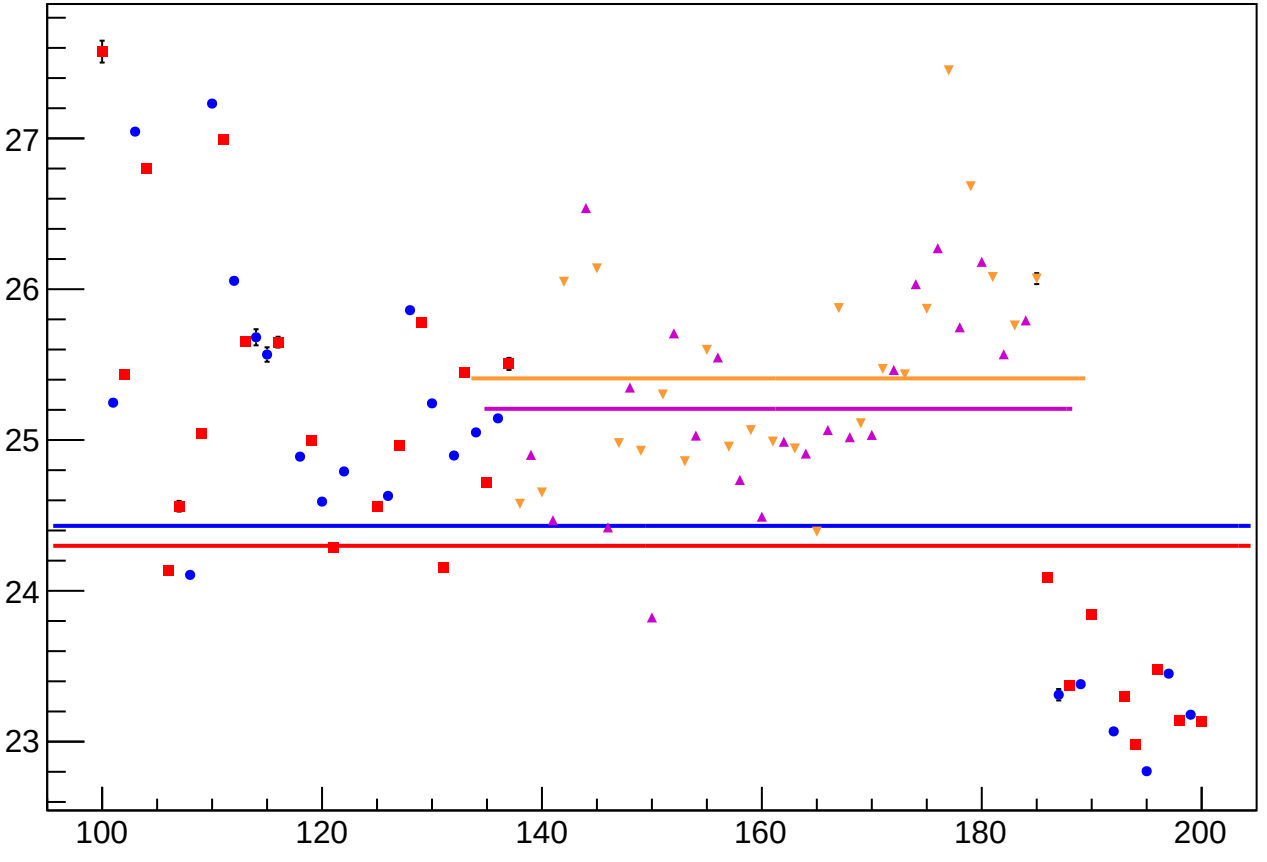
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.382+/-4.566 χ^2/NDF: 55.4/45

All: -1.375+/-3.174 χ^2/NDF: 107.6/94

- sign -3.955+/-4.416 χ^2/NDF: 51.6/48

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.298+/-0.005 χ^2/NDF: 58123.6/25

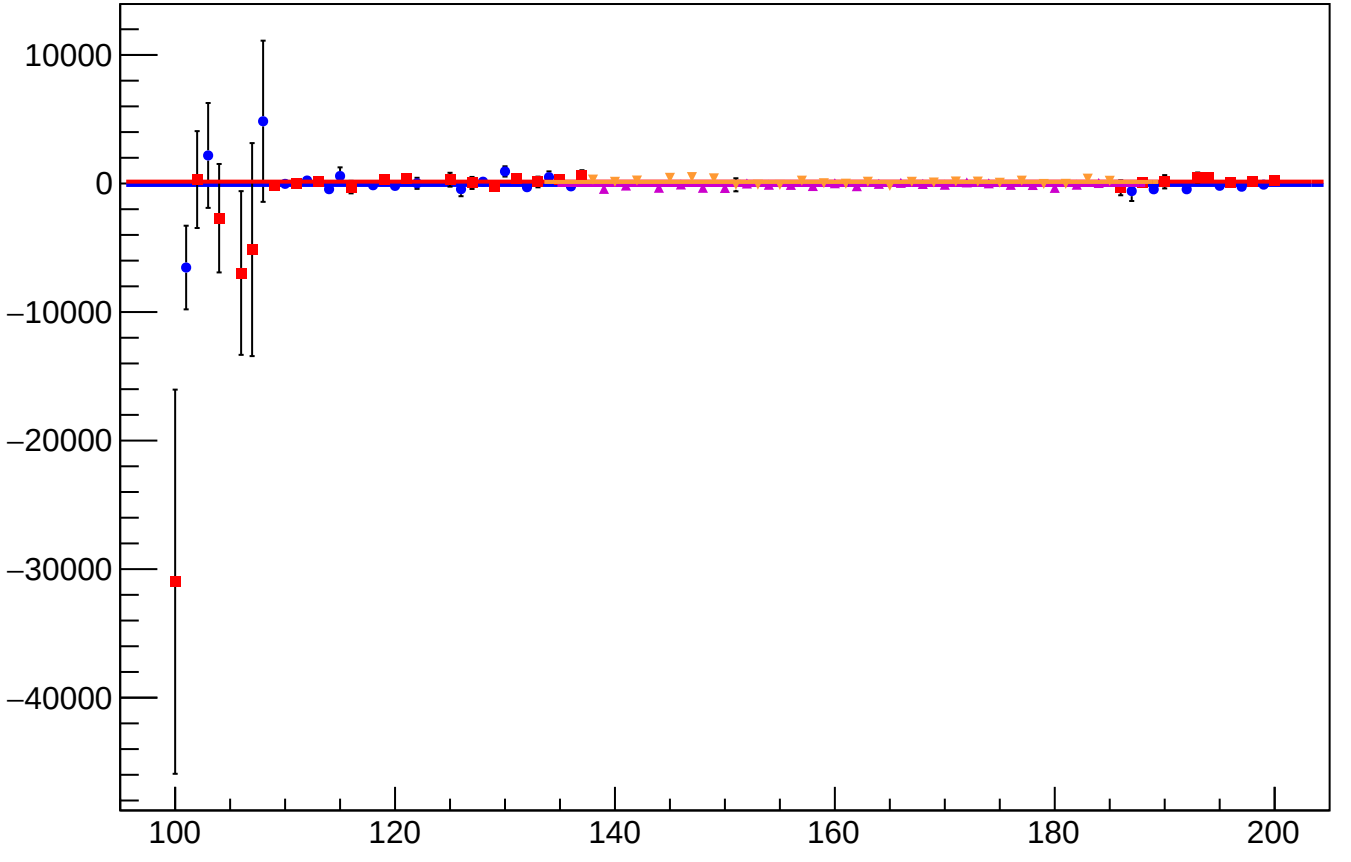
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.016+/-0.003 χ^2/NDF: 108580.4/45

All: 24.909+/-0.002 χ^2/NDF: 215482.7/94

- sign 24.809+/-0.003 χ^2/NDF: 104779.7/48

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 145.426+/-55.566 χ^2/NDF: 18.1/25

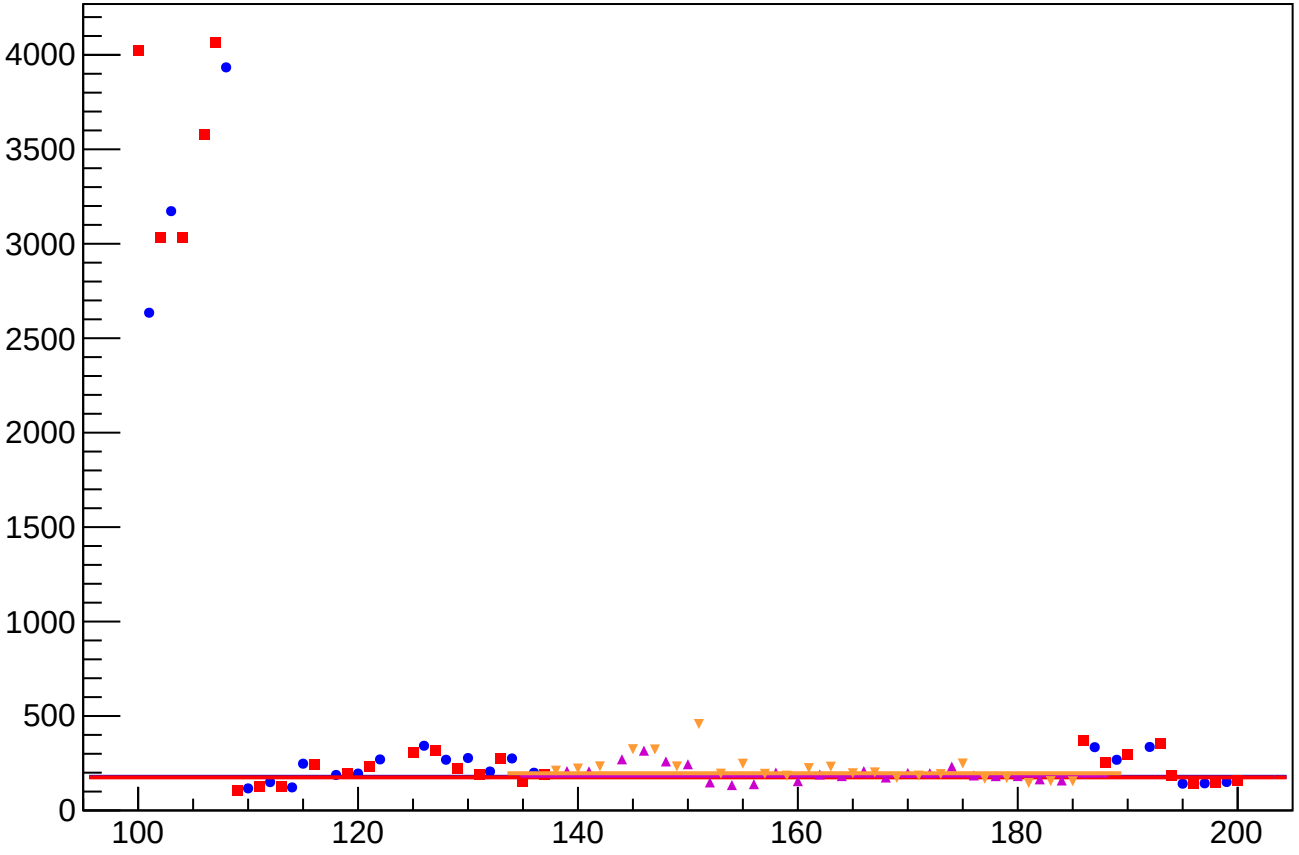
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 30.251+/-37.116 χ^2/NDF: 44.1/45

All: 7.173+/-25.414 χ^2/NDF: 84.8/94

- sign -13.196+/-34.870 χ^2/NDF: 40.0/48

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 175.248+/-0.039 χ^2/NDF: 5323490.3/25

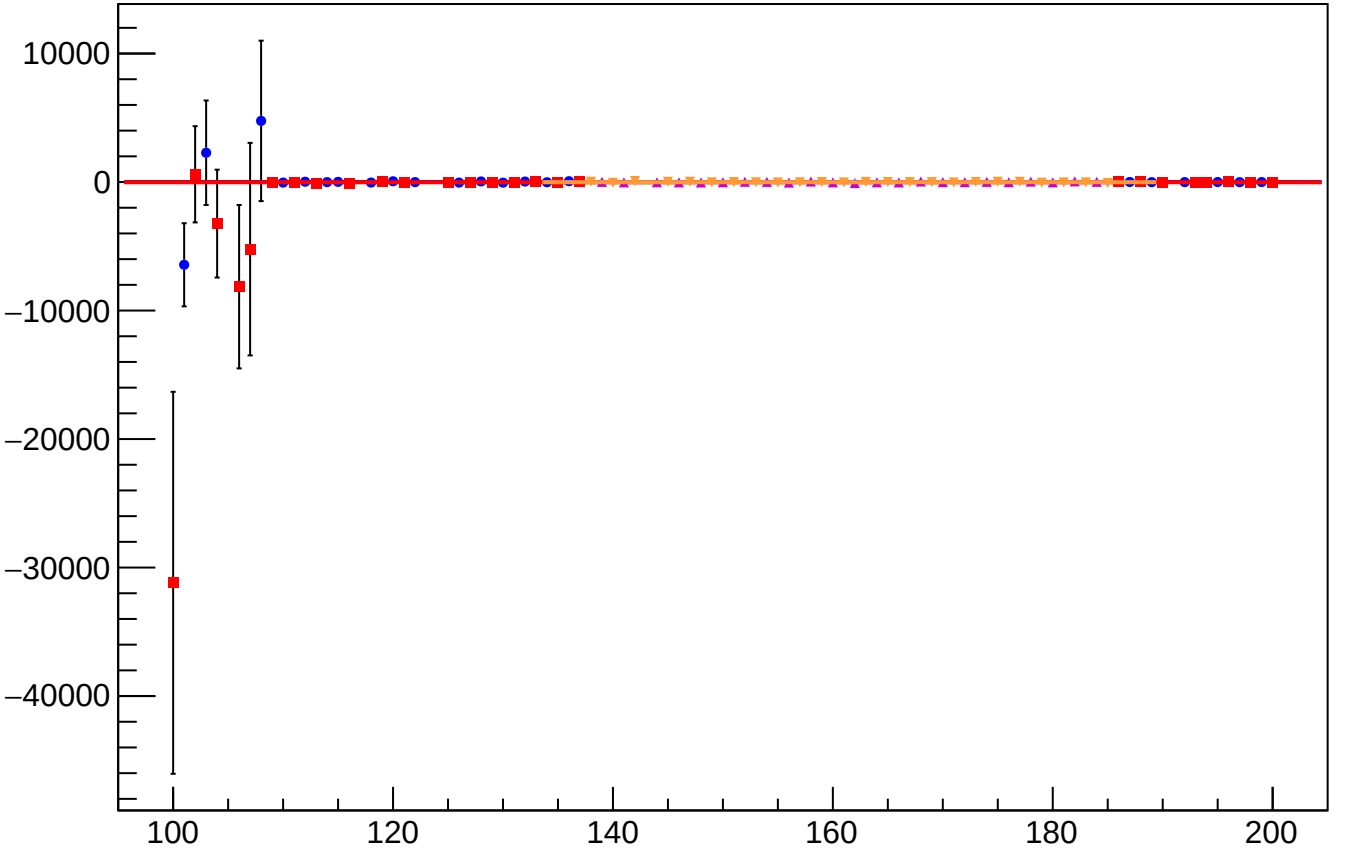
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 189.636+/-0.026 χ^2/NDF: 6714718.4/45

All: 184.828+/-0.018 χ^2/NDF: 13577241.4/94

- sign 180.584+/-0.025 χ^2/NDF: 6799345.3/48

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -15.456+/-8.270 χ^2/NDF: 28.1/25

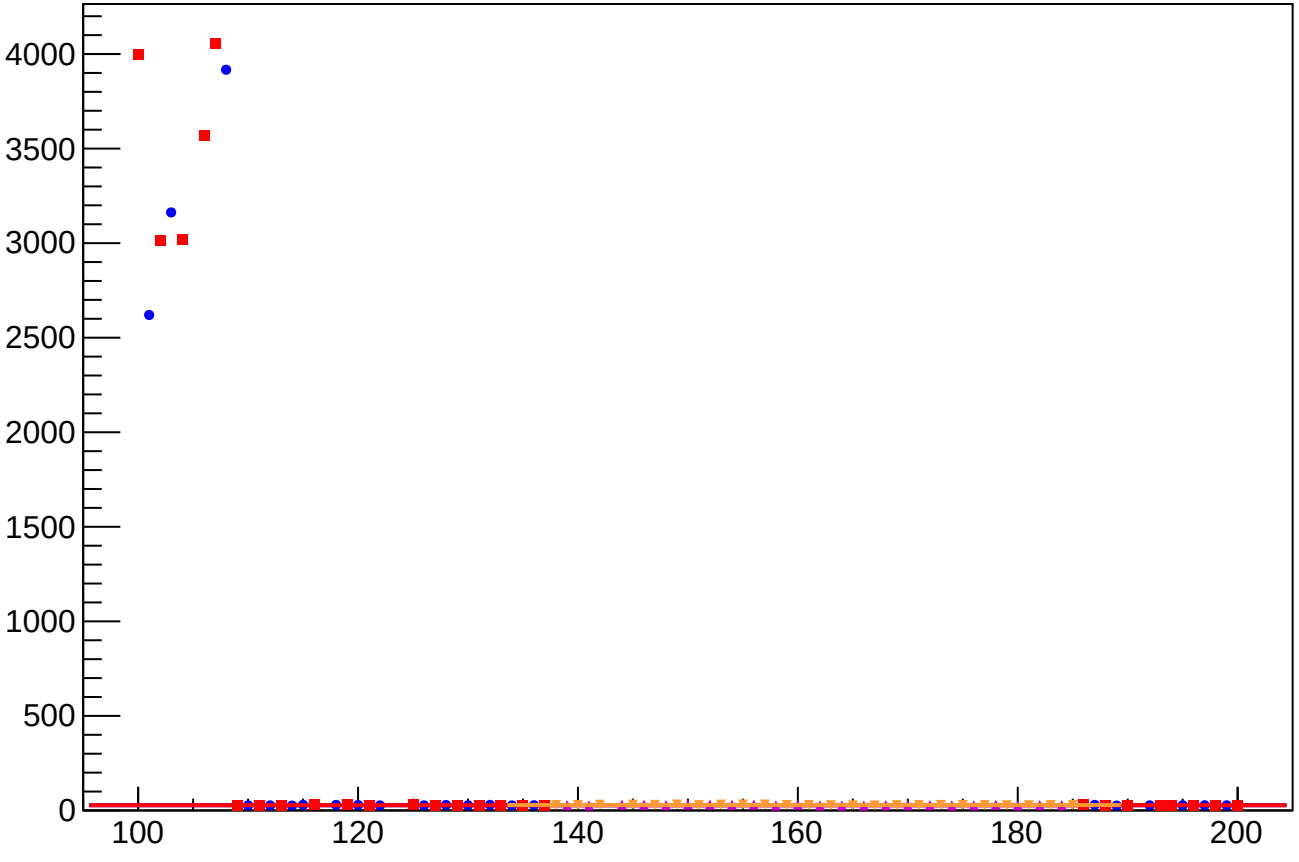
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.468+/-5.297 χ^2/NDF: 37.6/45

All: -7.097+/-3.718 χ^2/NDF: 89.4/94

- sign -7.709+/-5.221 χ^2/NDF: 51.7/48

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.660+/-0.006 χ^2/NDF: 3577845.0/25

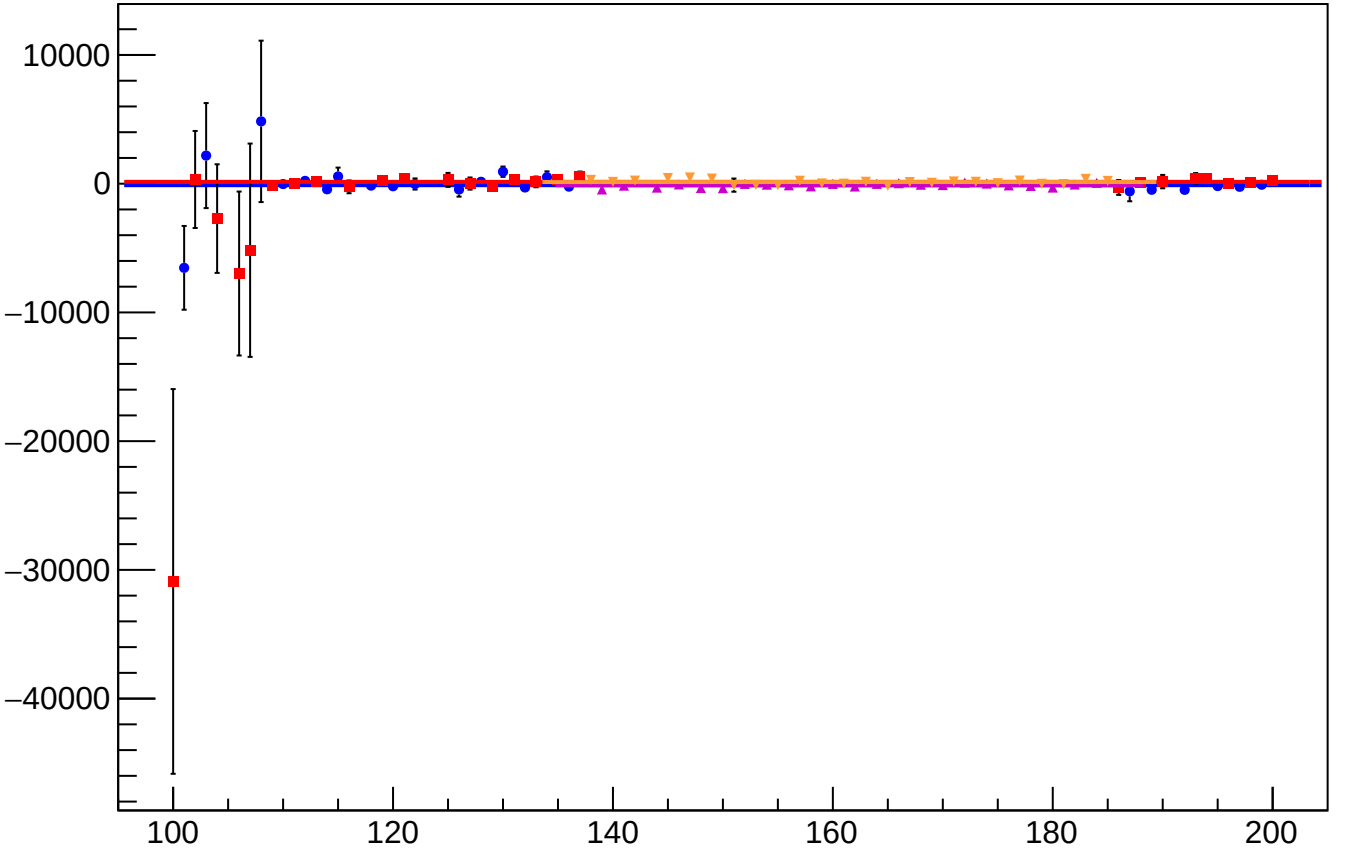
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.201+/-0.004 χ^2/NDF: 3374952.7/45

All: 28.252+/-0.003 χ^2/NDF: 7100588.6/94

- sign 28.302+/-0.004 χ^2/NDF: 3725262.3/48

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 143.750+/-55.831 χ^2/NDF: 16.9/25

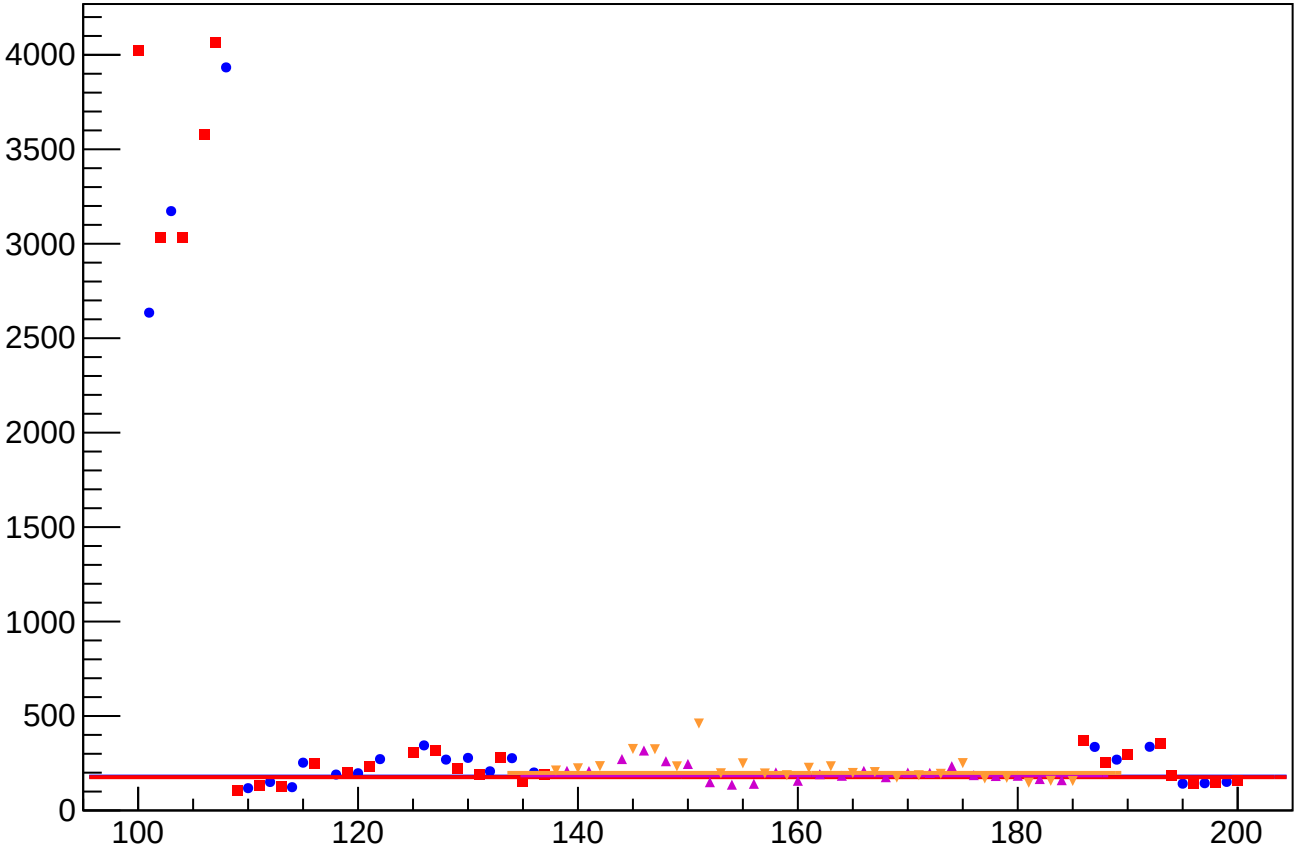
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 32.052+/-37.388 χ^2/NDF: 44.4/45

All: 5.854+/-25.602 χ^2/NDF: 83.9/94

- sign -17.275+/-35.130 χ^2/NDF: 38.6/48

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 176.155+/-0.039 χ^2/NDF: 5310507.0/25

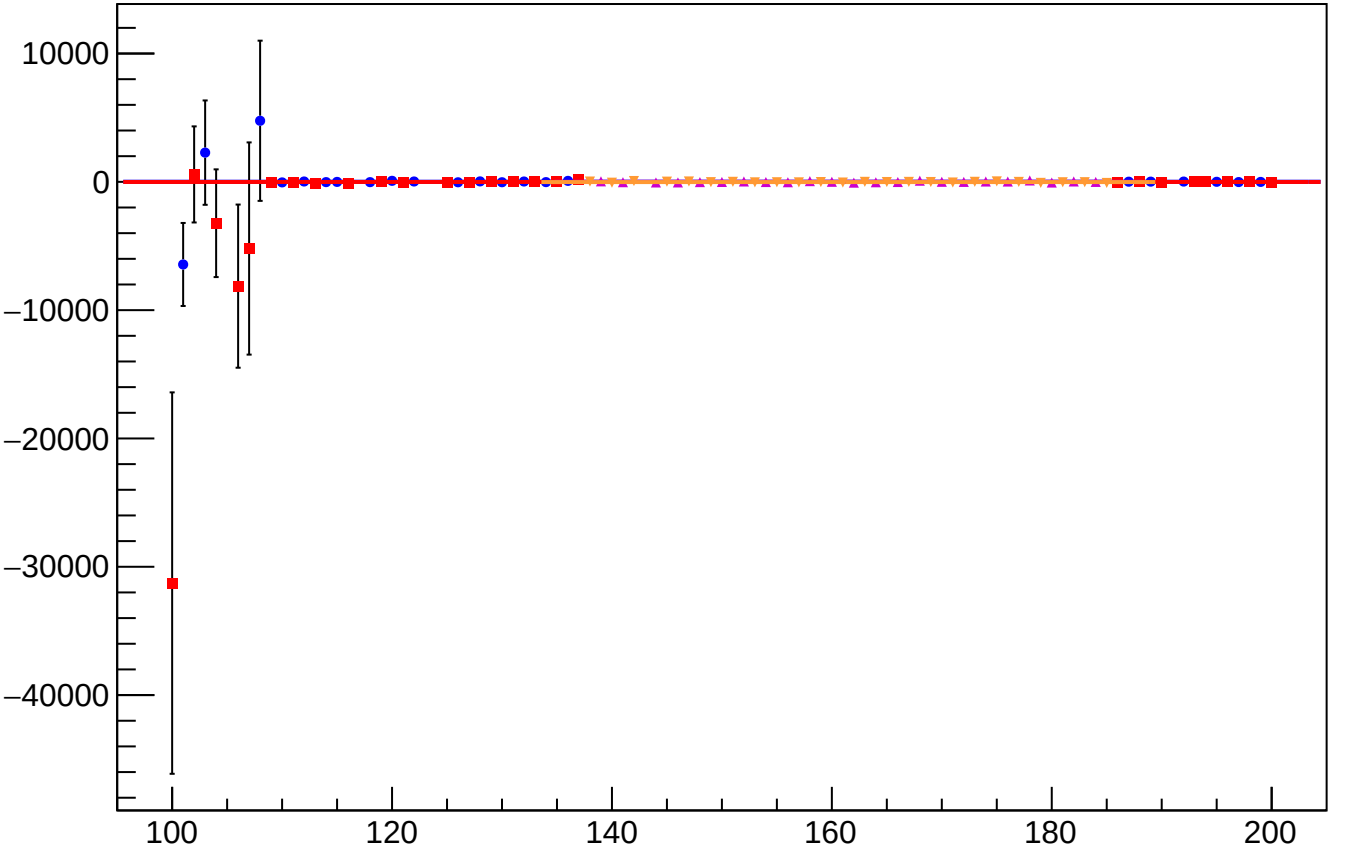
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 191.075+/-0.026 χ^2/NDF: 6695919.6/45

All: 186.268+/-0.018 χ^2/NDF: 13510787.6/94

- sign 182.025+/-0.025 χ^2/NDF: 6752624.4/48

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -9.602+/-9.127 χ^2/NDF: 36.6/25

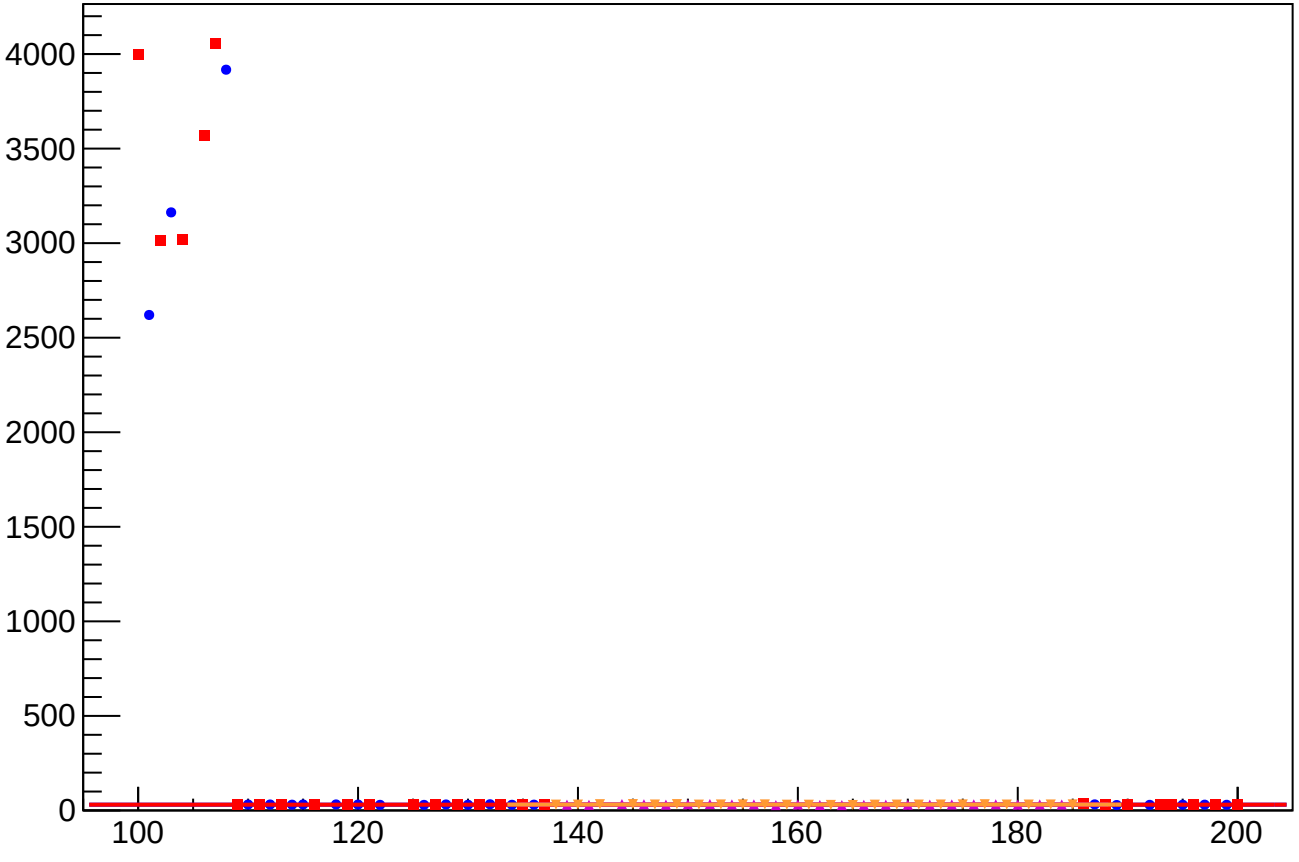
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.313+/-5.810 χ^2/NDF: 42.1/45

All: -5.176+/-4.077 χ^2/NDF: 116.0/94

- sign -2.132+/-5.723 χ^2/NDF: 73.3/48

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

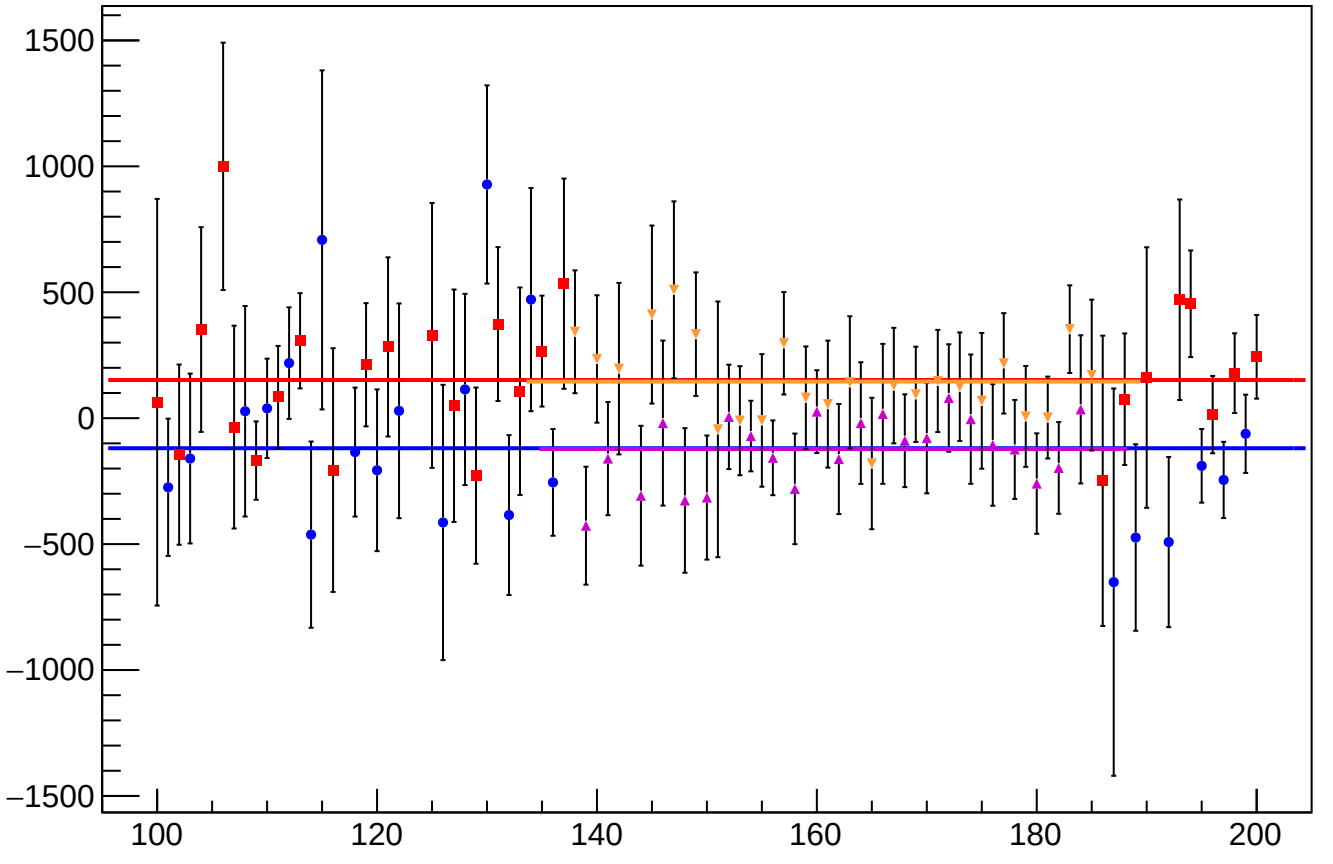
Right Out: 30.547+/-0.006 χ^2/NDF: 3555873.1/25

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.953+/-0.004 χ^2/NDF: 3317612.6/45

All: 31.003+/-0.003 χ^2/NDF: 6969109.8/94

- sign 31.052+/-0.004 χ^2/NDF: 3651205.4/48



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 151.465+/-51.548 χ^2/NDF: 17.3/25

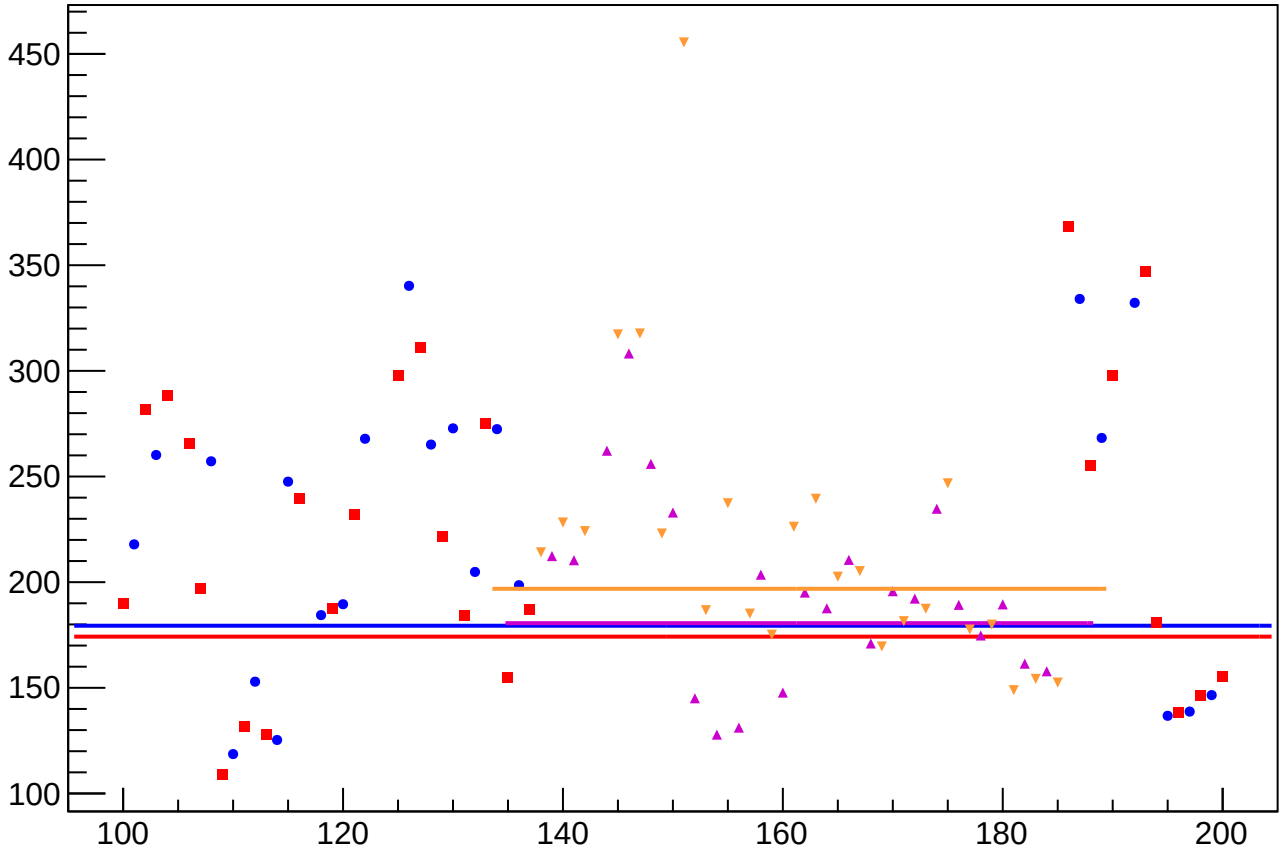
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 35.103+/-36.201 χ^2/NDF: 42.7/45

All: 12.581+/-24.588 χ^2/NDF: 84.8/94

- sign -6.707+/-33.502 χ^2/NDF: 41.5/48

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 174.225+/-0.036 χ^2/NDF: 2643261.2/25

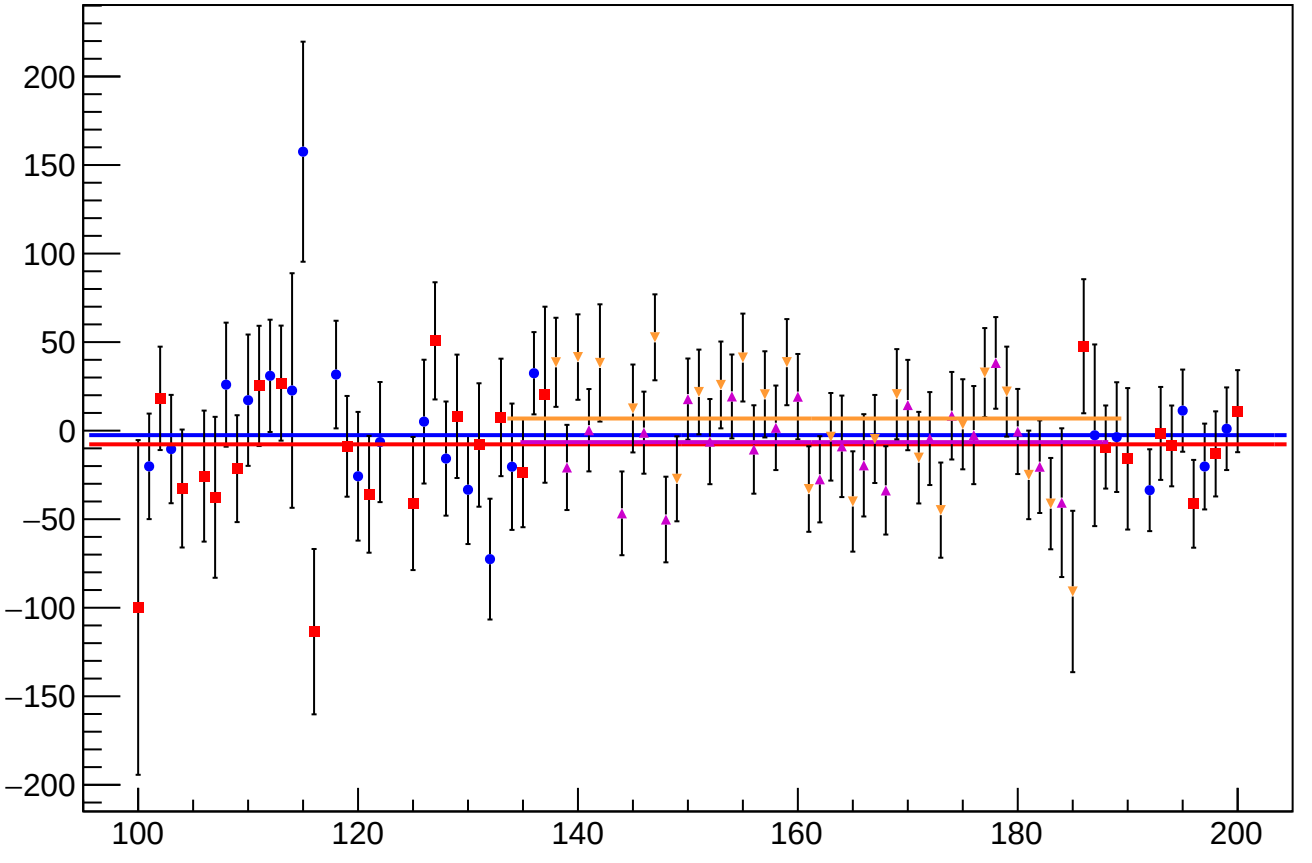
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 189.589+/-0.026 χ^2/NDF: 3947230.3/45

All: 183.297+/-0.017 χ^2/NDF: 8348407.7/94

- sign 177.908+/-0.024 χ^2/NDF: 4289008.6/48

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.722+/-6.166 χ^2/NDF: 20.8/25

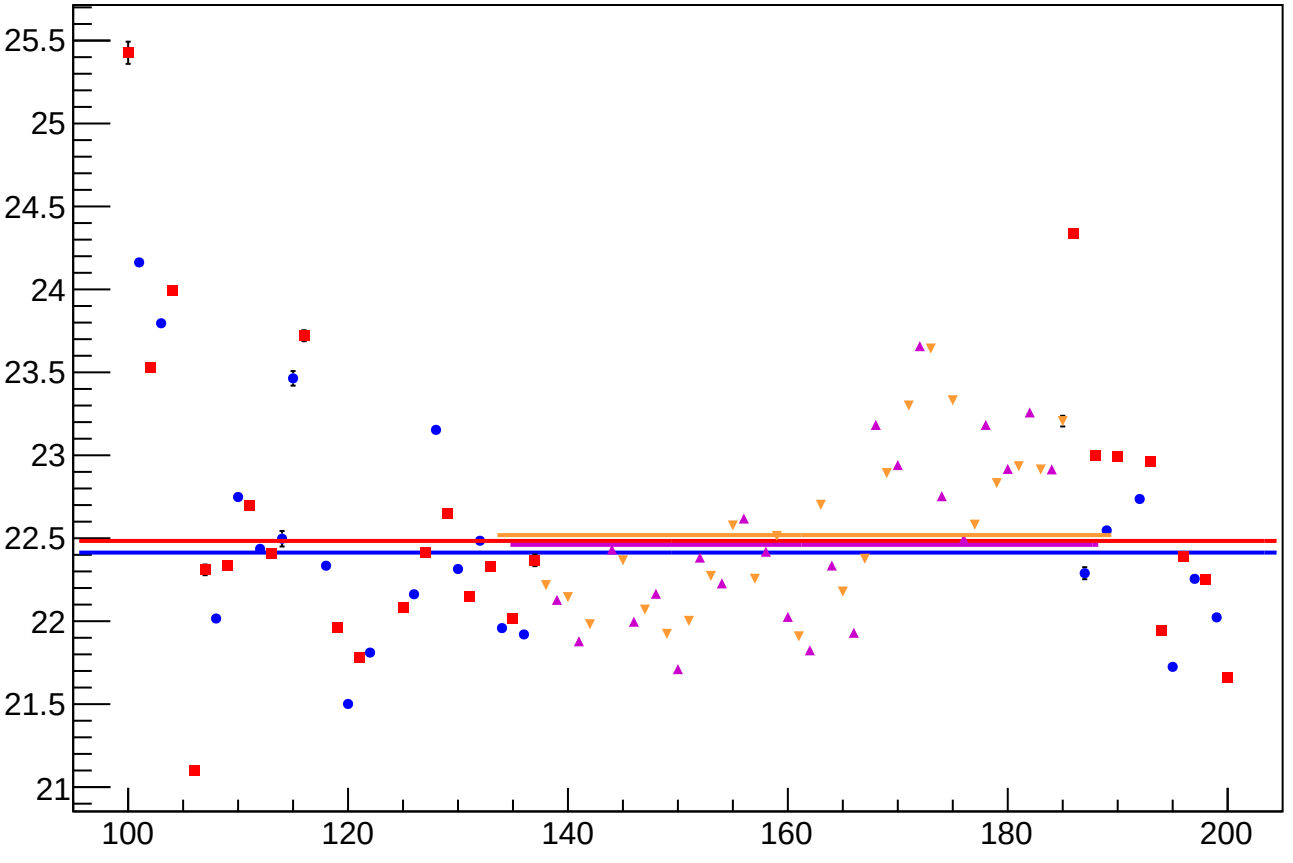
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.235+/-4.098 χ^2/NDF: 59.7/45

All: -2.013+/-2.861 χ^2/NDF: 101.2/94

- sign -7.003+/-3.996 χ^2/NDF: 38.3/48

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.484+/-0.004 χ^2/NDF: 26164.1/25

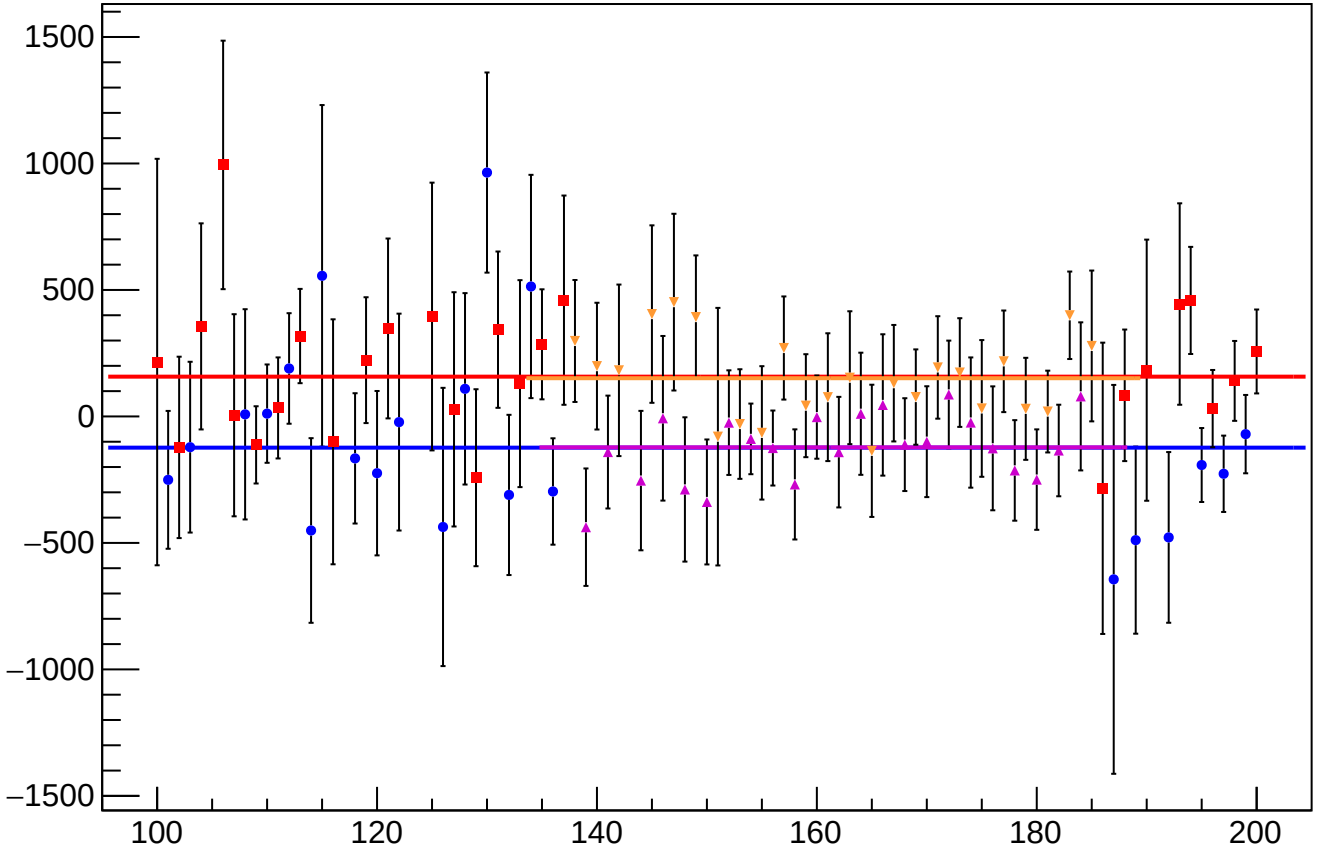
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.478+/-0.003 χ^2/NDF: 35453.7/45

All: 22.474+/-0.002 χ^2/NDF: 80756.1/94

- sign 22.470+/-0.003 χ^2/NDF: 45298.3/48

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 157.278+/-51.286 χ^2/NDF: 15.9/25

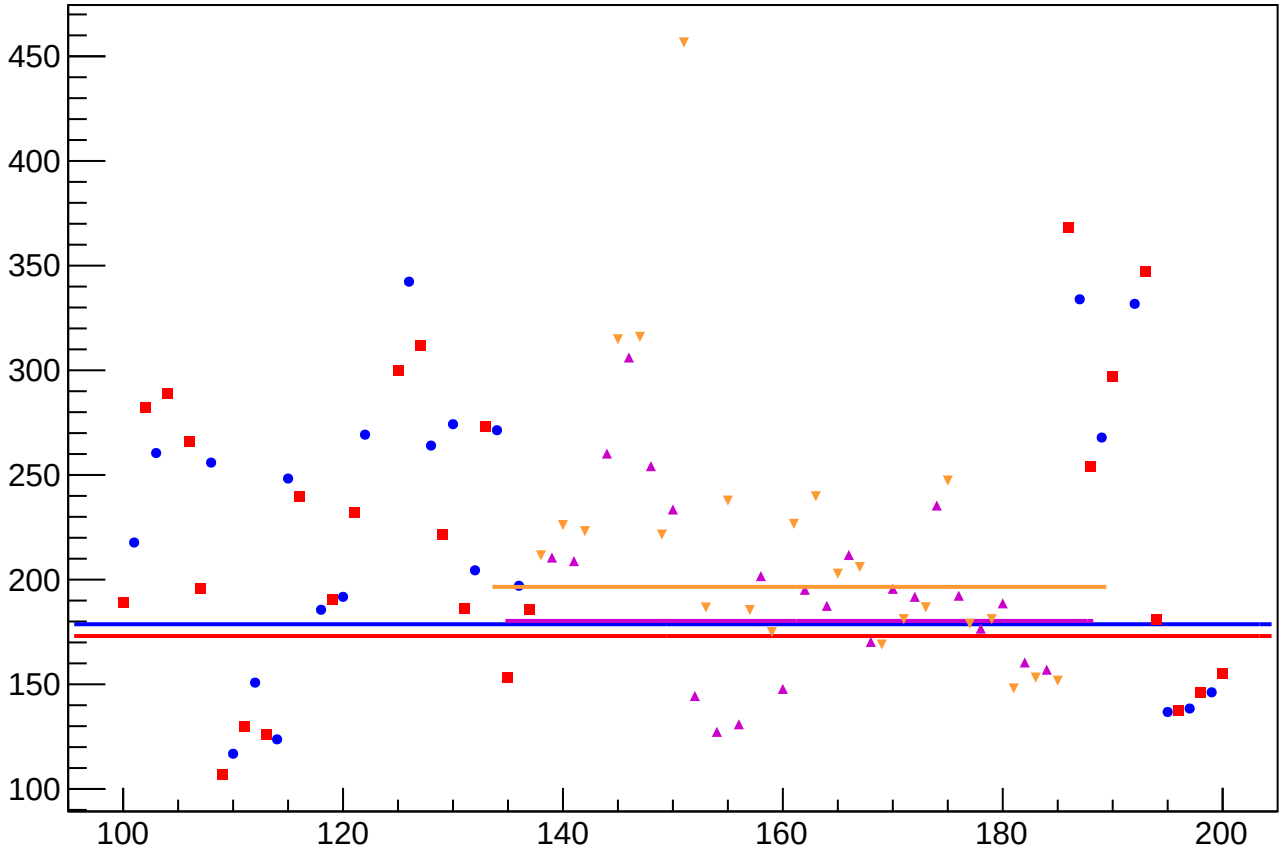
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 36.587+/-36.122 χ^2/NDF: 43.6/45

All: 14.885+/-24.522 χ^2/NDF: 84.7/94

- sign -3.667+/-33.397 χ^2/NDF: 40.5/48

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 173.059+/-0.036 χ^2/NDF: 2715945.6/25

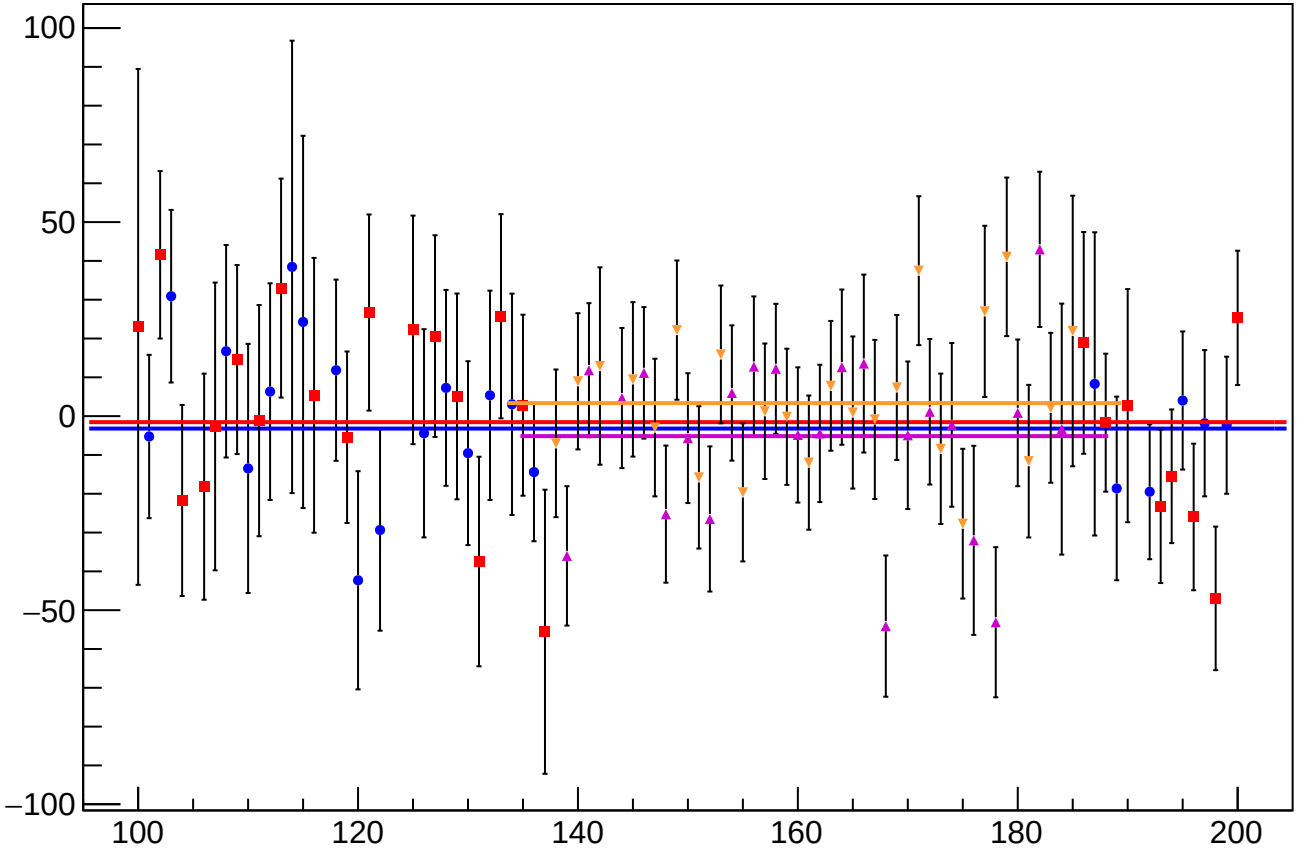
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 189.090+/-0.026 χ^2/NDF: 3986570.8/45

All: 182.688+/-0.017 χ^2/NDF: 8466544.9/94

- sign 177.215+/-0.024 χ^2/NDF: 4363427.8/48

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.551+/-4.748 χ^2/NDF: 27.4/25

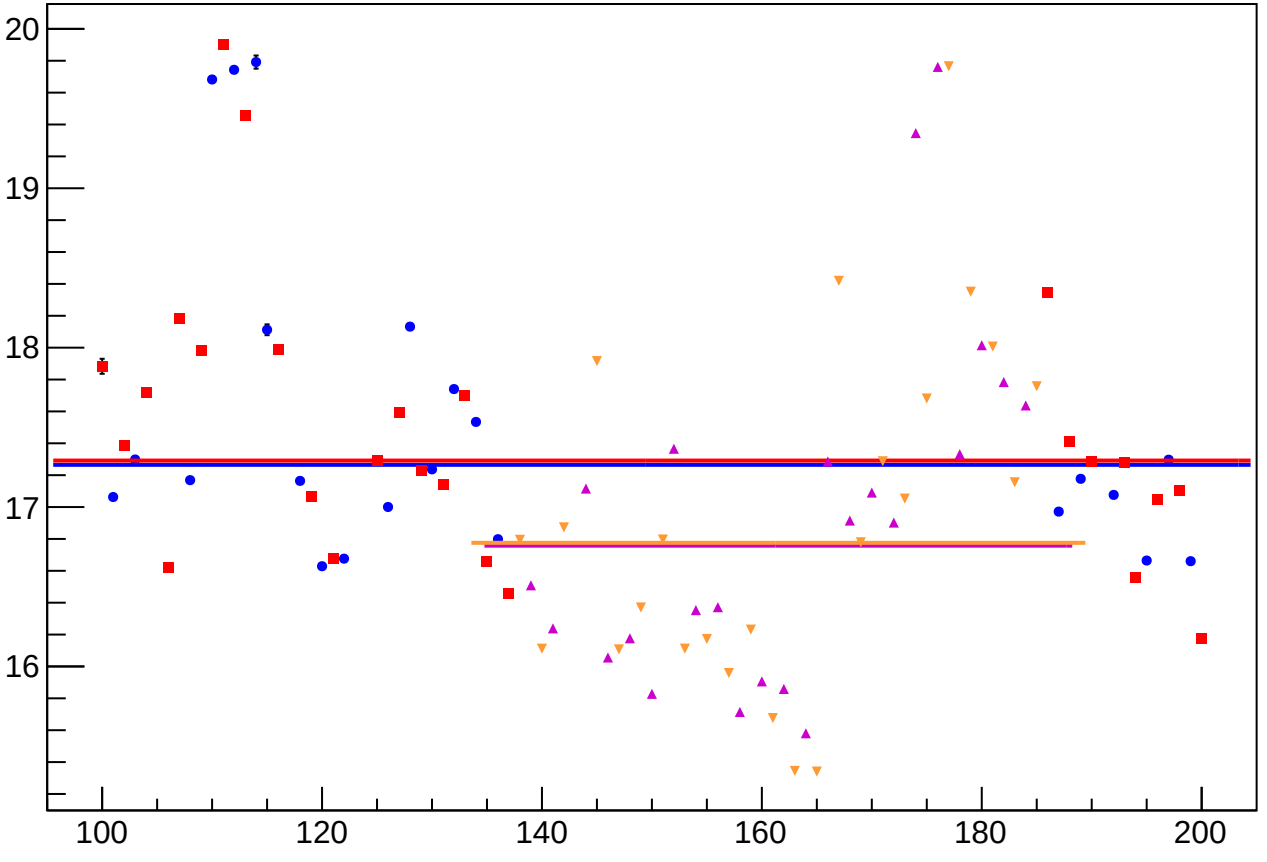
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.927+/-3.098 χ^2/NDF: 28.4/45

All: -1.436+/-2.164 χ^2/NDF: 89.6/94

- sign -3.689+/-3.025 χ^2/NDF: 60.0/48

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.292+/-0.003 χ^2/NDF: 52627.4/25

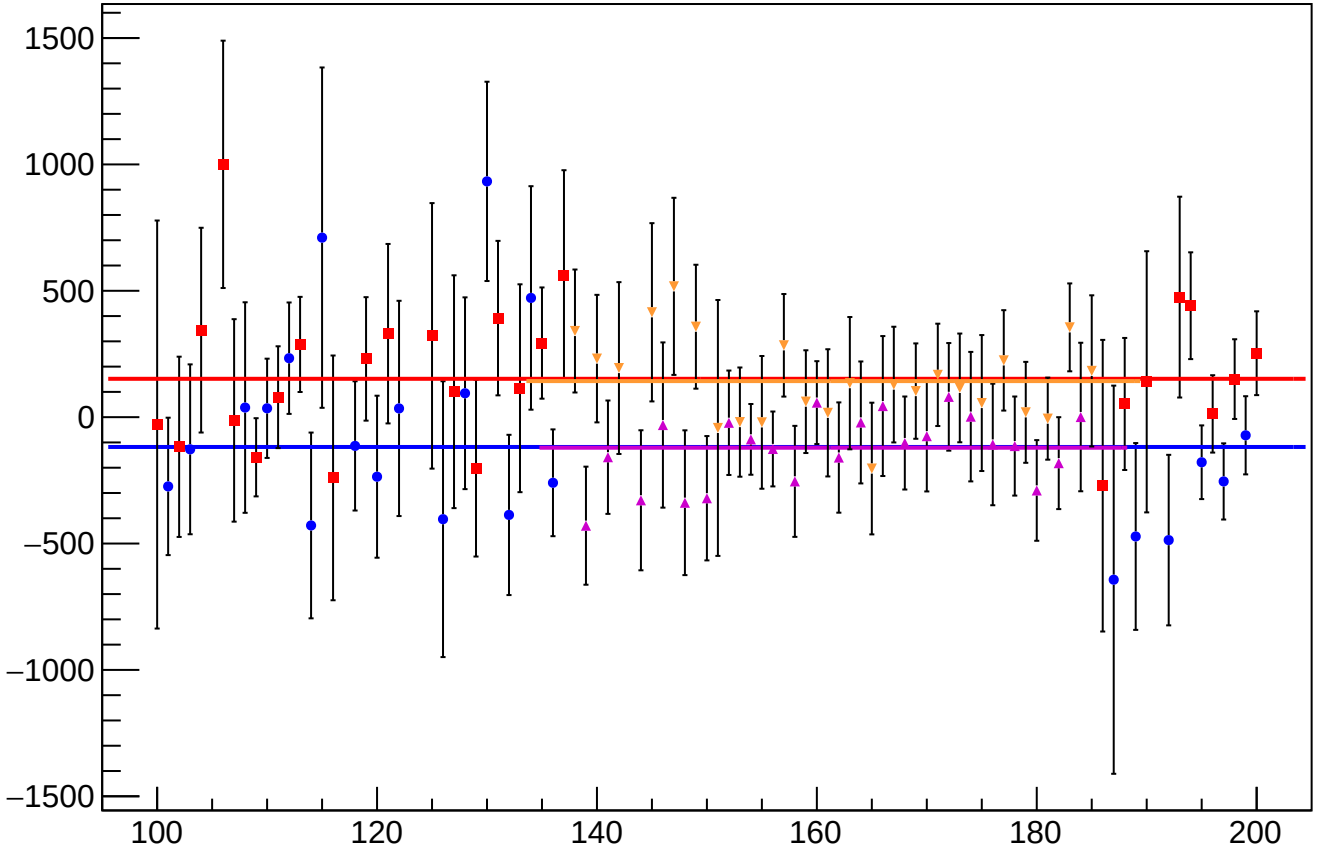
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.957+/-0.002 χ^2/NDF: 191307.7/45

All: 16.966+/-0.002 χ^2/NDF: 382304.7/94

\- sign 16.975+/-0.002 χ^2/NDF: 190964.3/48

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 151.806+/-51.398 χ^2/NDF: 17.3/25

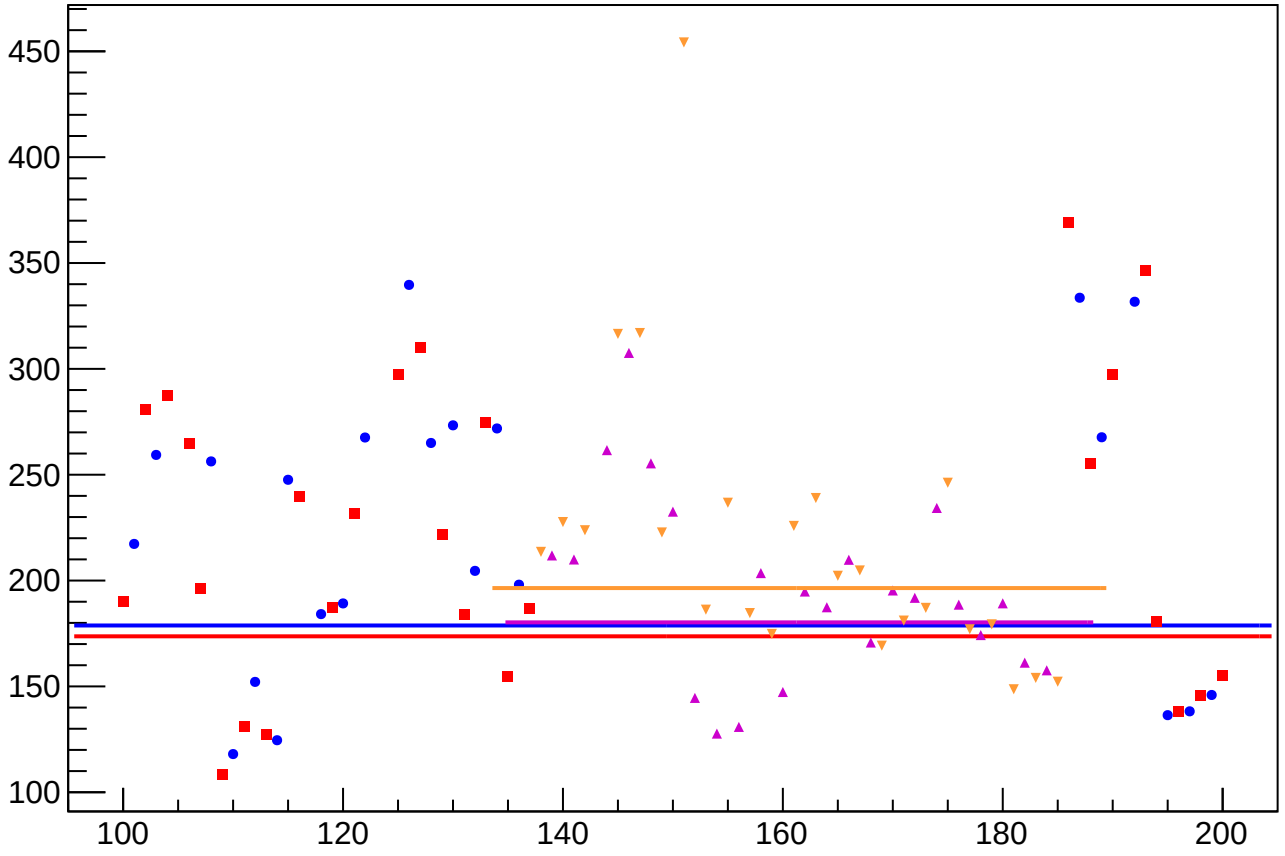
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 34.045+/-36.109 χ^2/NDF: 43.2/45

All: 12.704+/-24.528 χ^2/NDF: 85.6/94

- sign -5.579+/-33.423 χ^2/NDF: 41.8/48

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 173.659+/-0.036 χ^2/NDF: 2660178.0/25

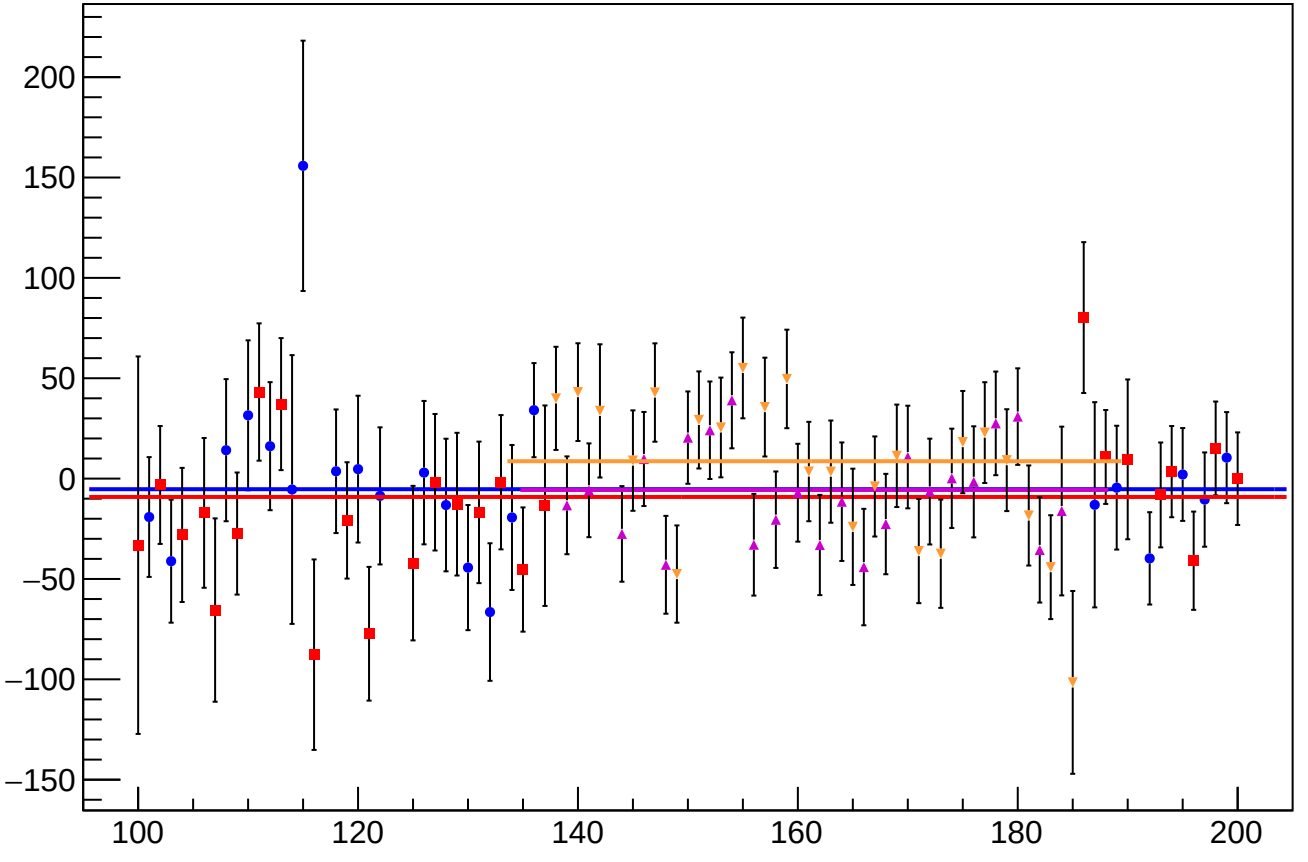
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 189.084+/-0.026 χ^2/NDF: 3961897.3/45

All: 182.825+/-0.017 χ^2/NDF: 8380407.5/94

\- sign 177.462+/-0.024 χ^2/NDF: 4306922.0/48

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.144+/-6.180 χ^2/NDF: 25.8/25

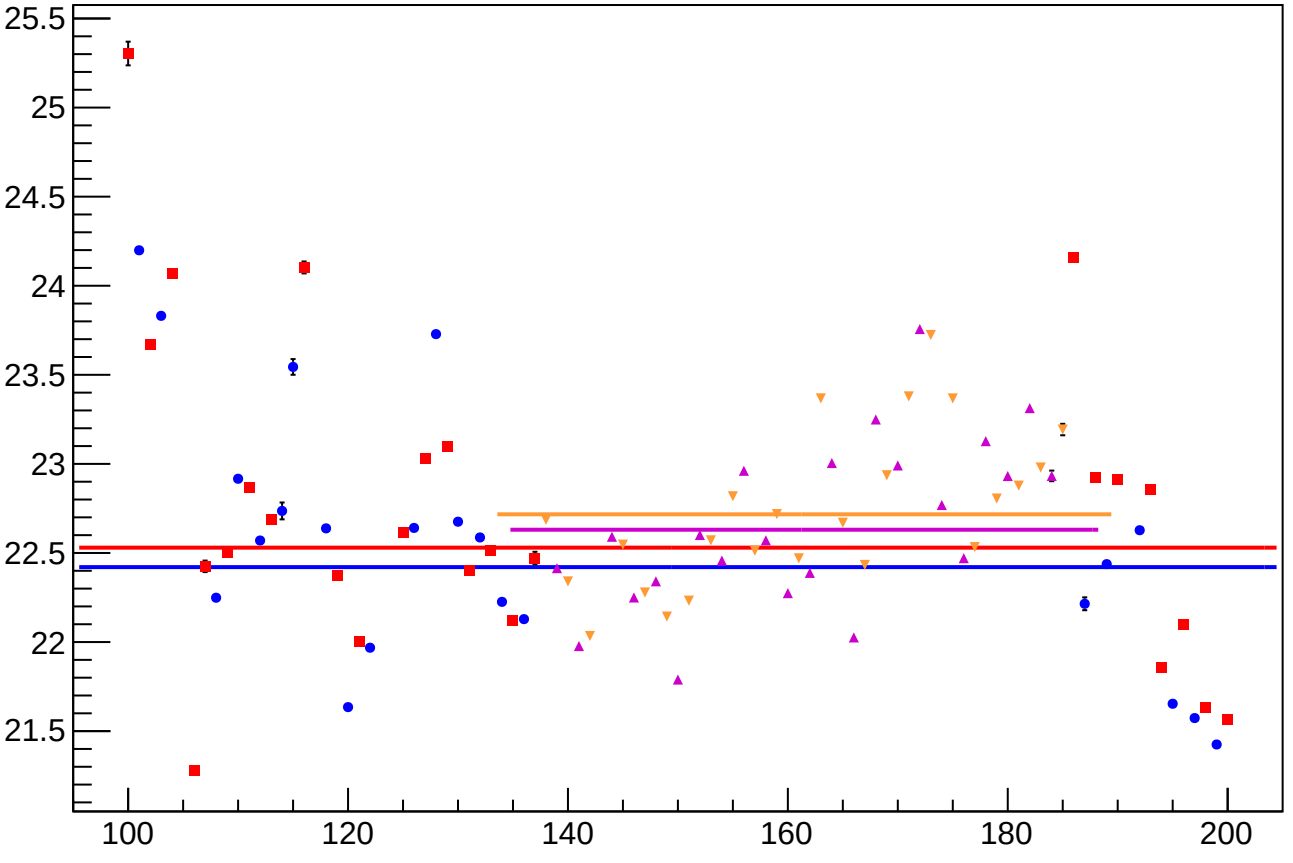
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.230+/-4.121 χ^2/NDF: 62.8/45

All: -2.086+/-2.877 χ^2/NDF: 112.9/94

- sign -7.137+/-4.017 χ^2/NDF: 46.8/48

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.530+/-0.004 χ^2/NDF: 29231.4/25

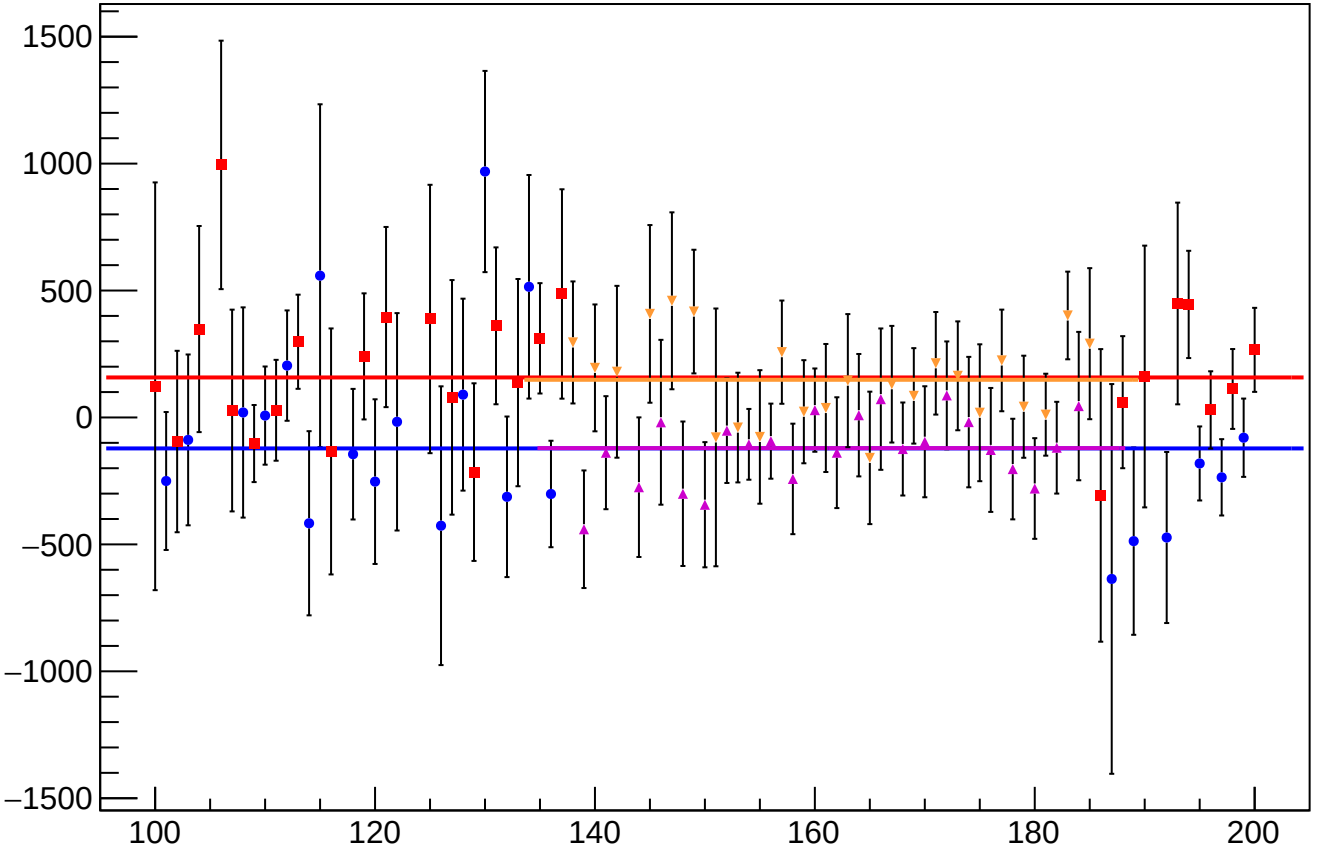
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.602+/-0.003 χ^2/NDF: 41097.3/45

All: 22.595+/-0.002 χ^2/NDF: 86037.2/94

- sign 22.588+/-0.003 χ^2/NDF: 44928.9/48

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 157.615+/-51.134 χ^2/NDF: 16.0/25

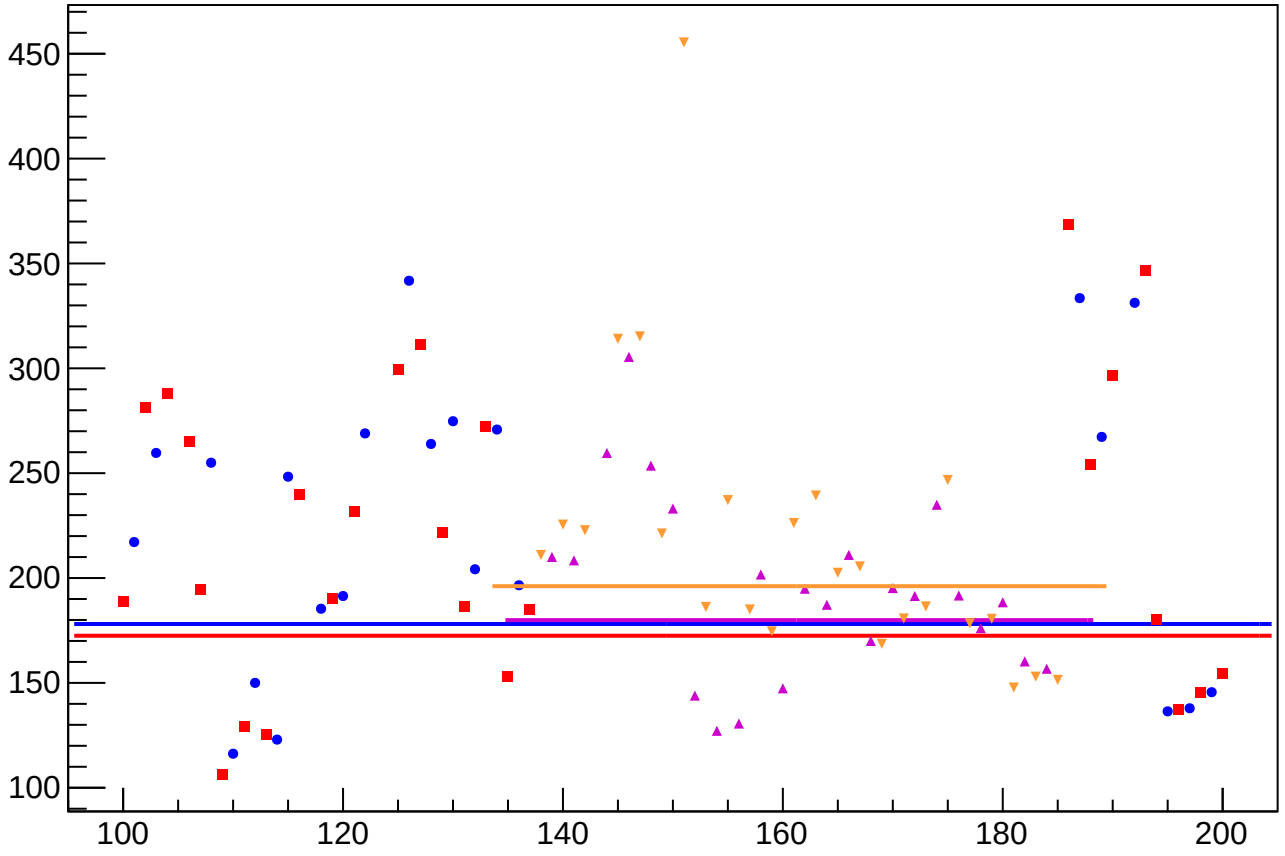
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 35.497+/-36.029 χ^2/NDF: 44.3/45

All: 14.972+/-24.462 χ^2/NDF: 85.8/94

- sign -2.578+/-33.317 χ^2/NDF: 40.9/48

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 172.484+/-0.036 χ^2/NDF: 2733765.4/25

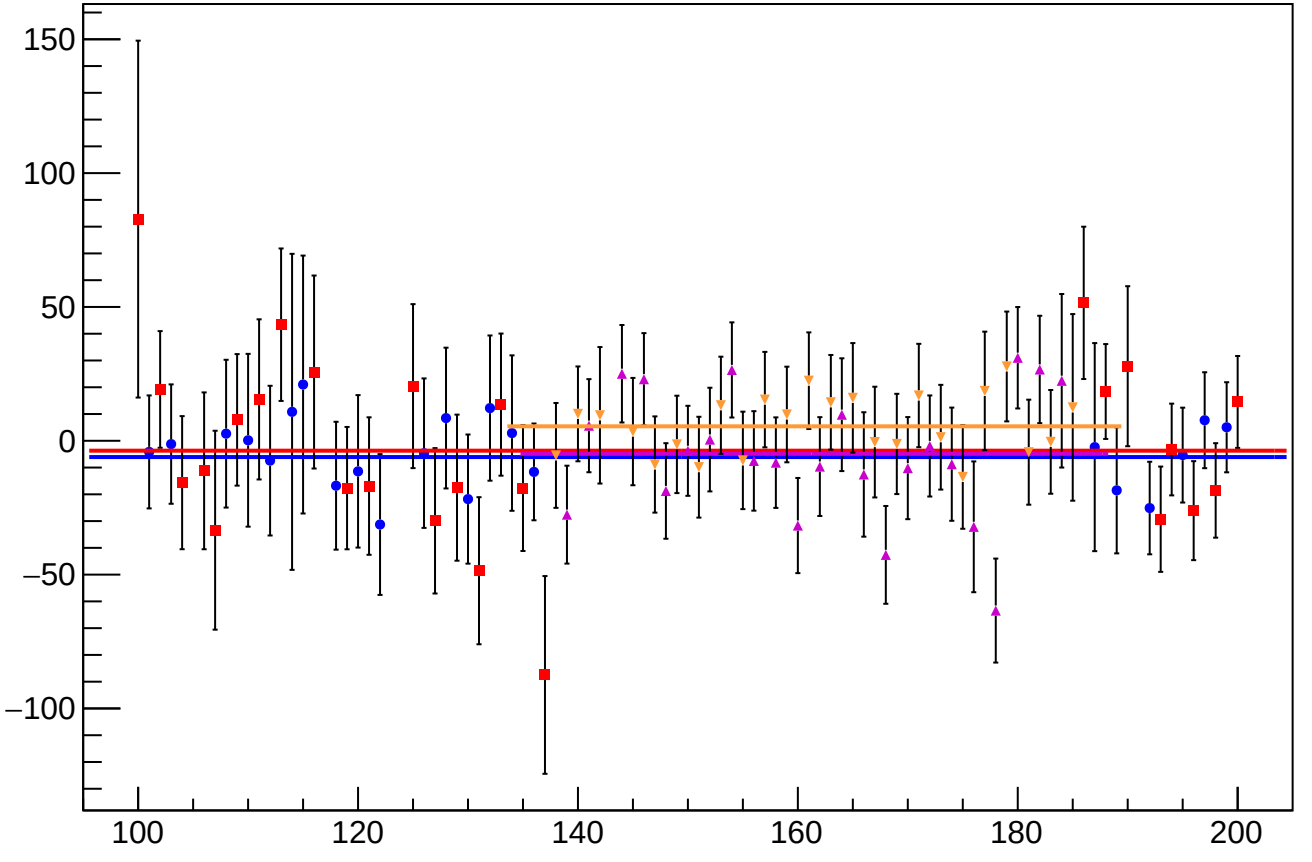
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 188.581+/-0.025 χ^2/NDF: 4001966.9/45

All: 182.212+/-0.017 χ^2/NDF: 8500204.6/94

- sign 176.765+/-0.024 χ^2/NDF: 4382273.4/48

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.696+/-4.759 χ^2/NDF: 30.2/25

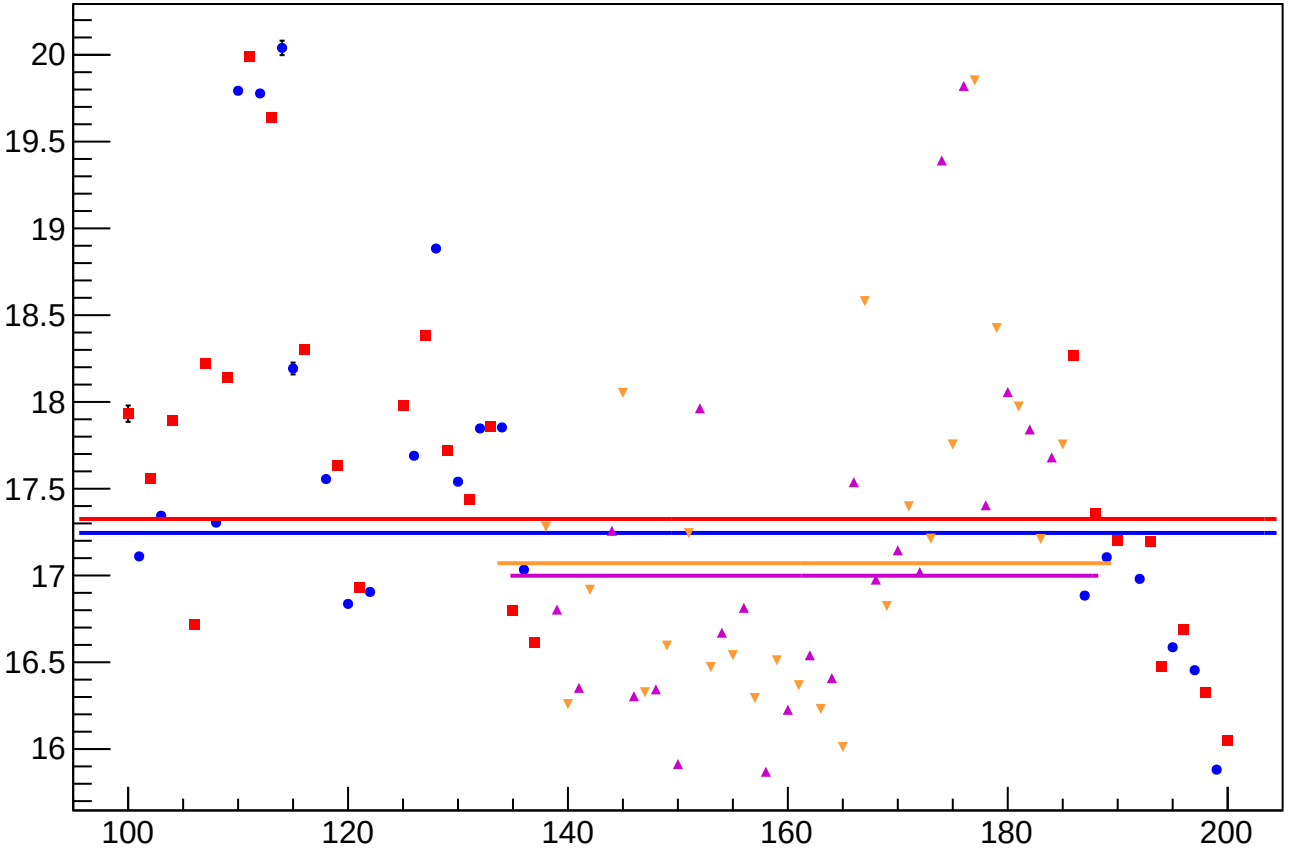
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.055+/-3.131 χ^2/NDF: 16.6/45

All: -1.730+/-2.186 χ^2/NDF: 83.9/94

- sign -4.380+/-3.053 χ^2/NDF: 65.8/48

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.326+/-0.003 χ^2/NDF: 70987.7/25

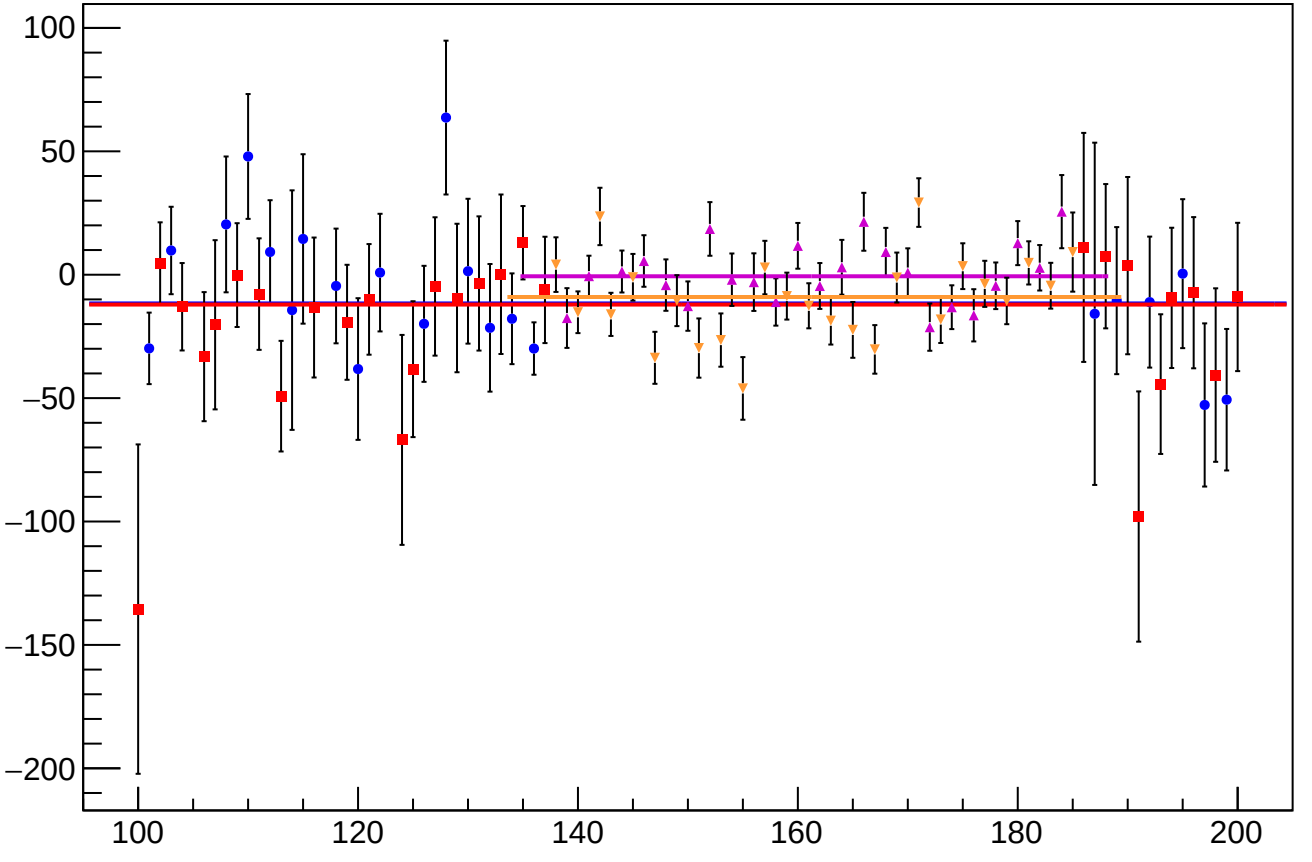
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.137+/-0.002 χ^2/NDF: 164322.5/45

All: 17.135+/-0.002 χ^2/NDF: 344890.1/94

- sign 17.133+/-0.002 χ^2/NDF: 180566.4/48

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -11.636+/-4.849 χ^2/NDF: 25.7/21

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -12.091+/-4.873 χ^2/NDF: 19.9/27

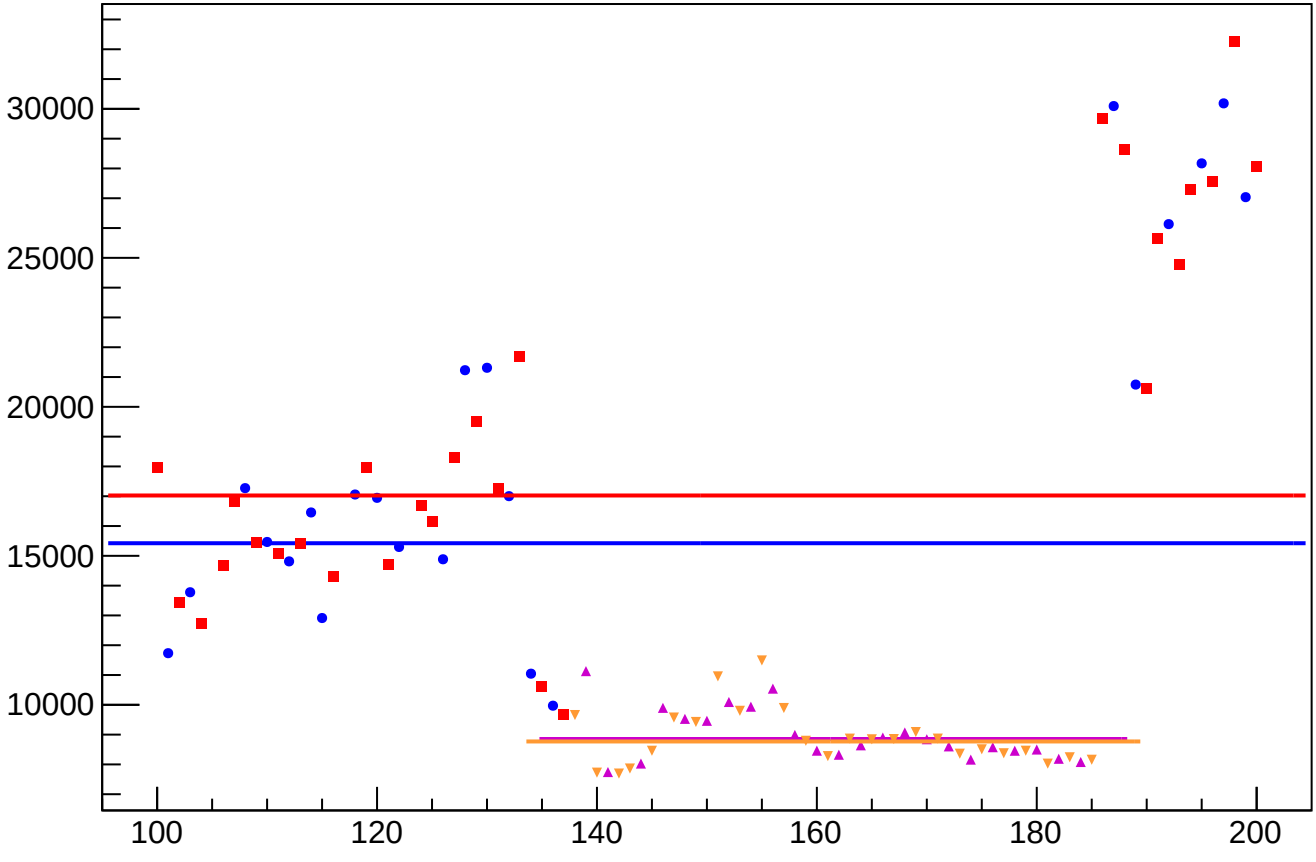
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.409+/-1.854 χ^2/NDF: 87.9/46

All: -6.010+/-1.331 χ^2/NDF: 148.9/97

- sign -2.393+/-1.912 χ^2/NDF: 54.1/50

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 15423.025+/-3.429 χ^2/NDF: 2547491.1/21

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17025.100+/-3.446 χ^2/NDF: 2805745.6/27

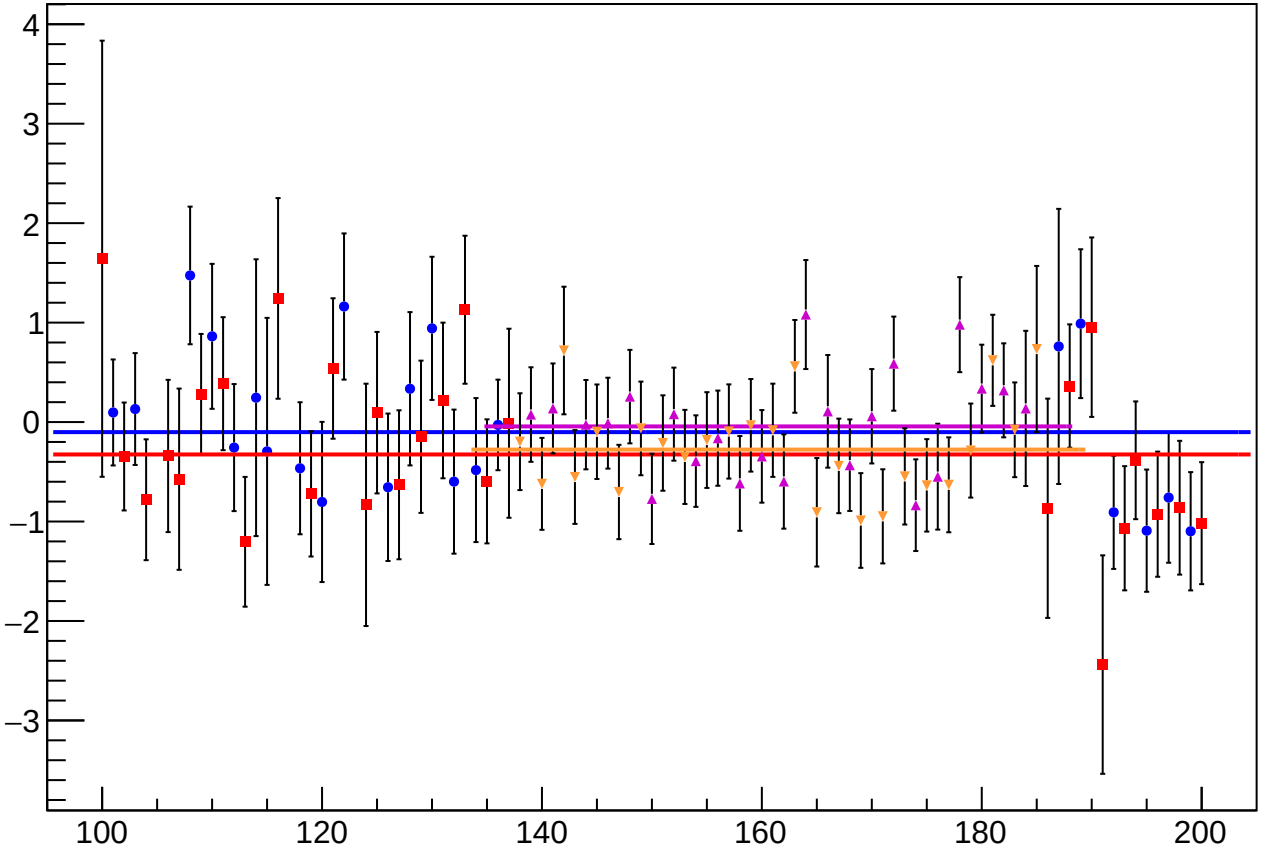
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9742.745+/-1.311 χ^2/NDF: 6106536.7/46

All: 9921.355+/-0.941 χ^2/NDF: 14008571.6/9

- sign 10111.407+/-1.352 χ^2/NDF: 7863722.3/50

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.101+/-0.146 χ^2/NDF: 26.1/21

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.326+/-0.137 χ^2/NDF: 26.4/27

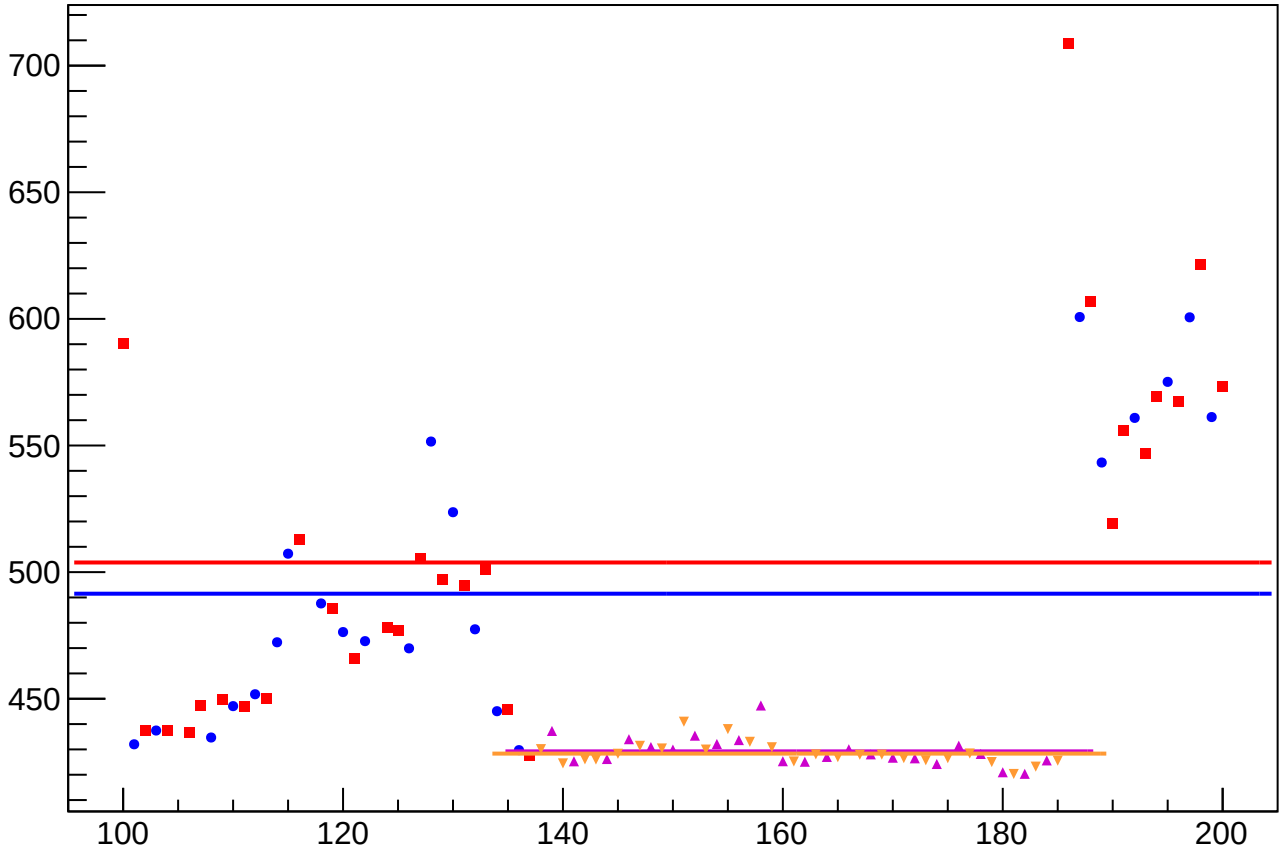
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.223+/-0.081 χ^2/NDF: 48.1/46

All: -0.182+/-0.057 χ^2/NDF: 101.6/97

- sign -0.142+/-0.081 χ^2/NDF: 52.9/50

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 491.484+/-0.103 χ^2/NDF: 310287.2/21

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 503.808+/-0.097 χ^2/NDF: 435641.0/27

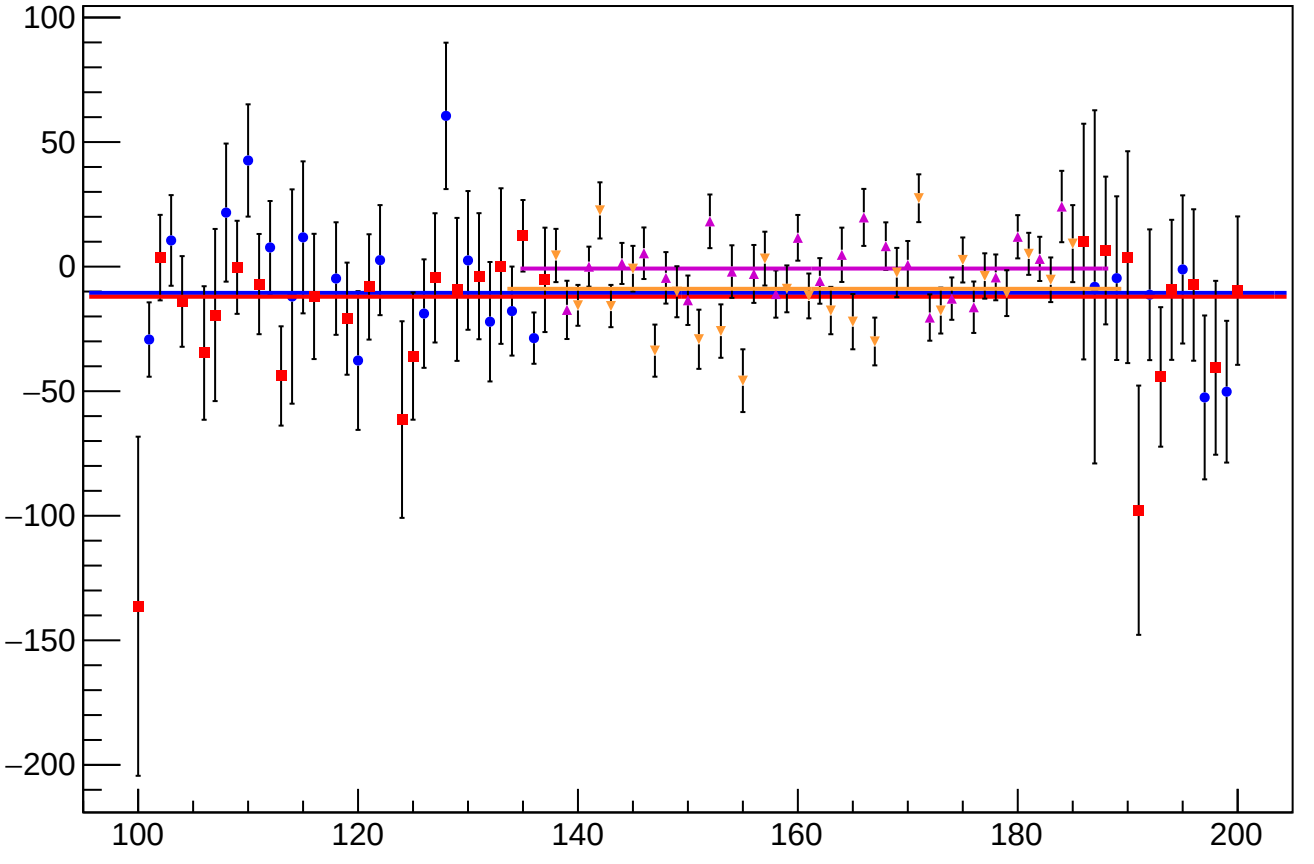
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 447.823+/-0.057 χ^2/NDF: 574115.7/46

All: 451.502+/-0.040 χ^2/NDF: 1410123.1/97

- sign 455.182+/-0.057 χ^2/NDF: 827736.2/50

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -10.540+/-4.698 χ^2/NDF: 26.1/21

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -12.088+/-4.703 χ^2/NDF: 19.6/27

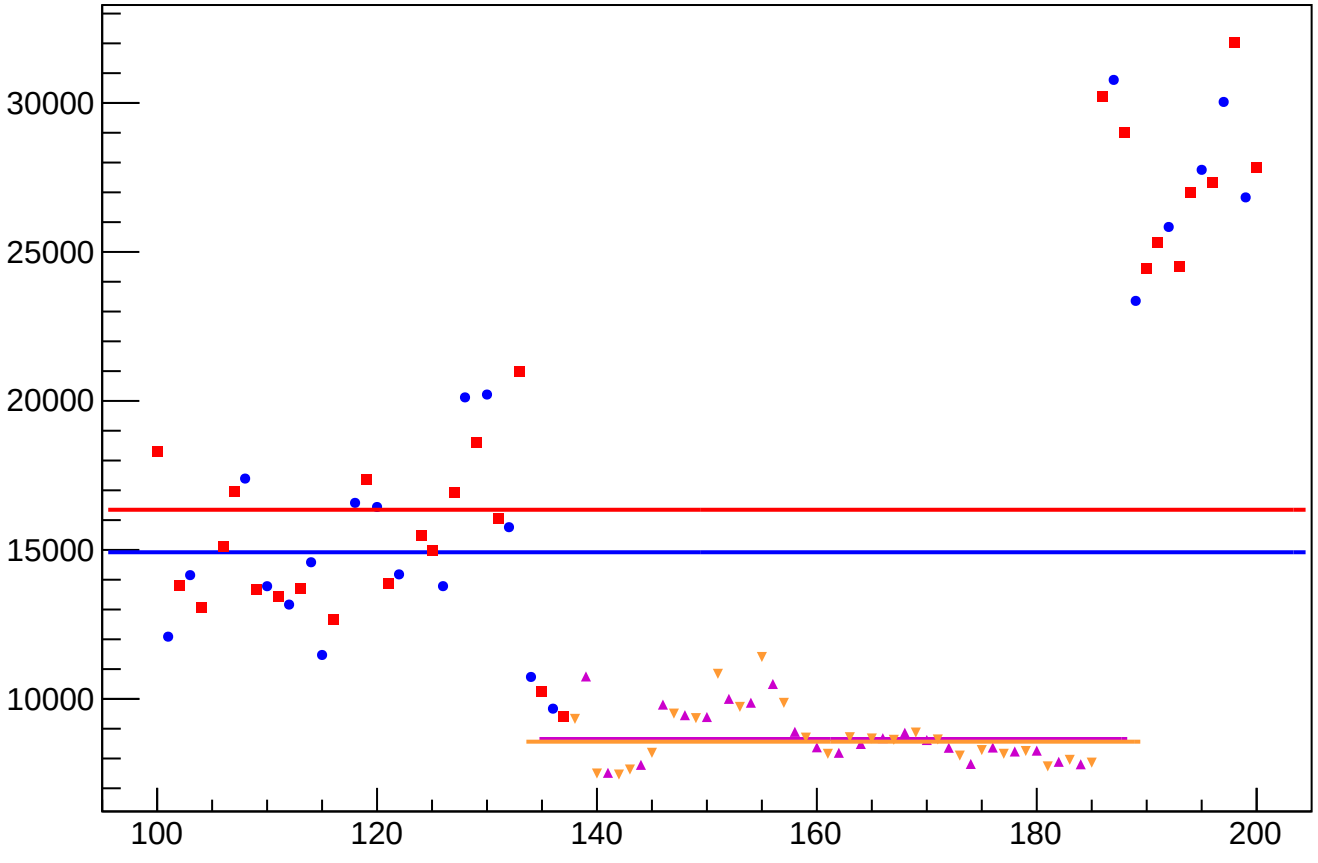
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.147+/-1.810 χ^2/NDF: 87.8/46

All: -5.954+/-1.299 χ^2/NDF: 148.0/97

- sign -2.555+/-1.867 χ^2/NDF: 53.8/50

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 14921.444+/-3.322 χ^2/NDF: 2654495.3/21

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16347.623+/-3.326 χ^2/NDF: 3043712.7/27

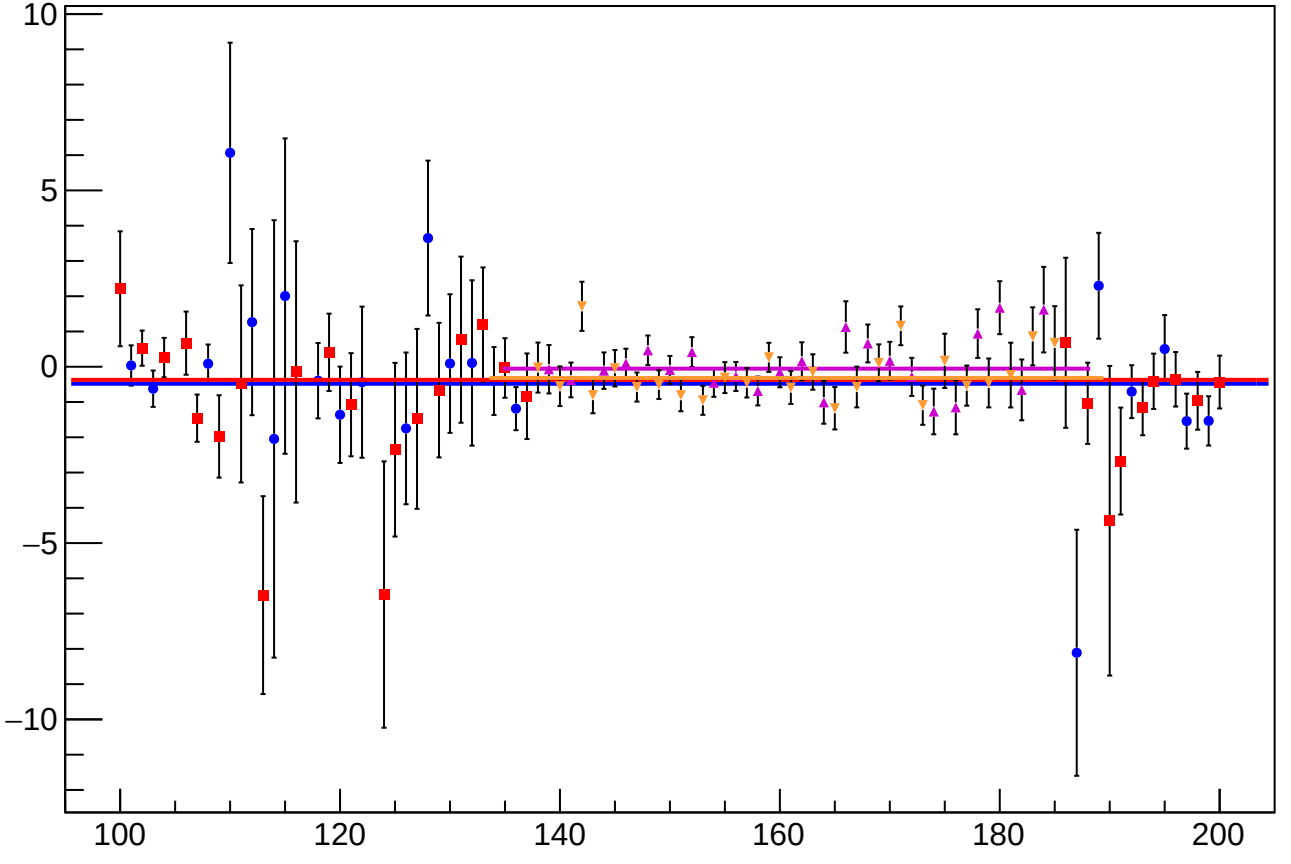
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9507.448+/-1.280 χ^2/NDF: 6173476.1/46

All: 9681.373+/-0.919 χ^2/NDF: 14109519.4/9

- sign 9866.474+/-1.320 χ^2/NDF: 7897904.8/50

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.482+/-0.205 χ^2/NDF: 26.4/21

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.371+/-0.195 χ^2/NDF: 28.5/27

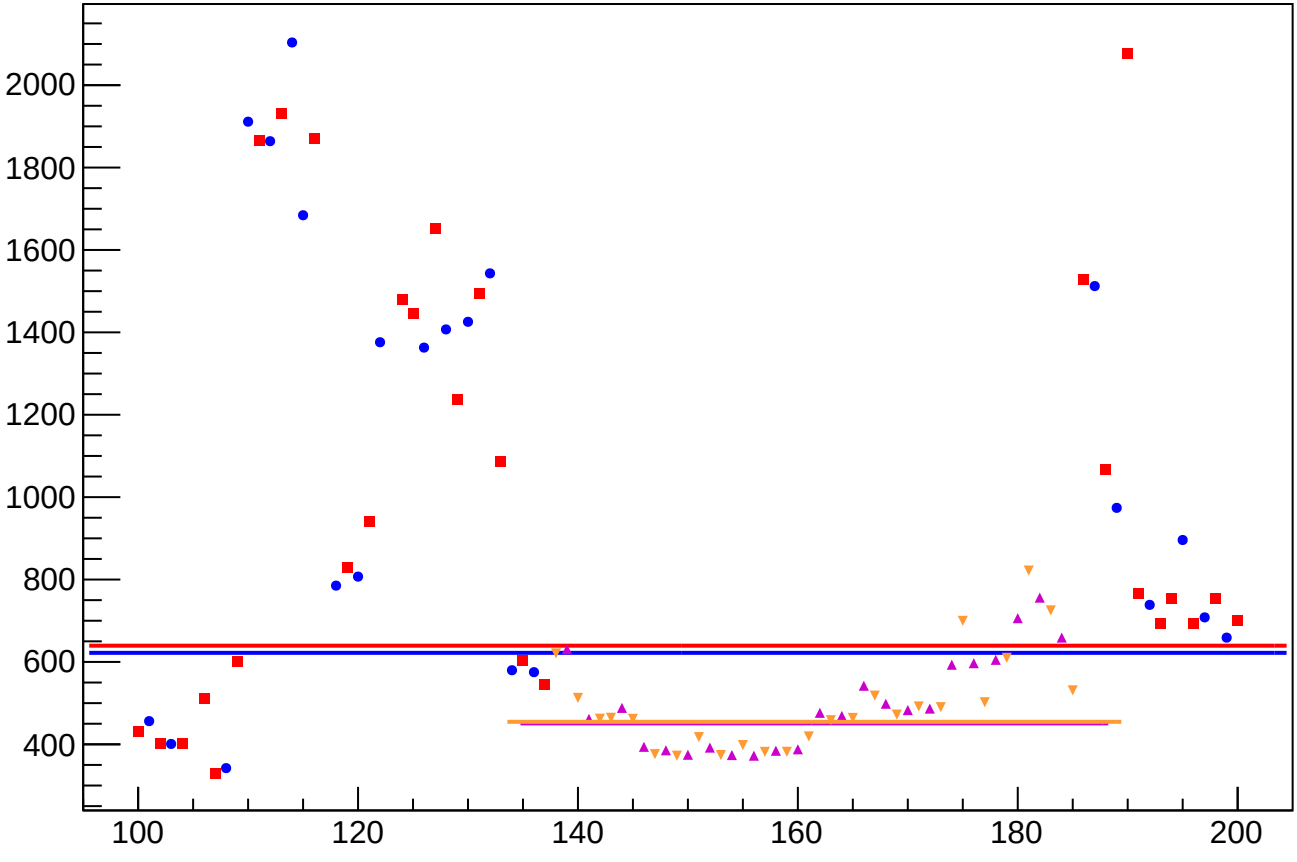
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.352+/-0.094 χ^2/NDF: 59.2/46

All: -0.241+/-0.067 χ^2/NDF: 122.4/97

- sign -0.129+/-0.095 χ^2/NDF: 60.3/50

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 622.097+/-0.145 χ^2/NDF: 4038207.1/21

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 639.465+/-0.138 χ^2/NDF: 4644207.6/27

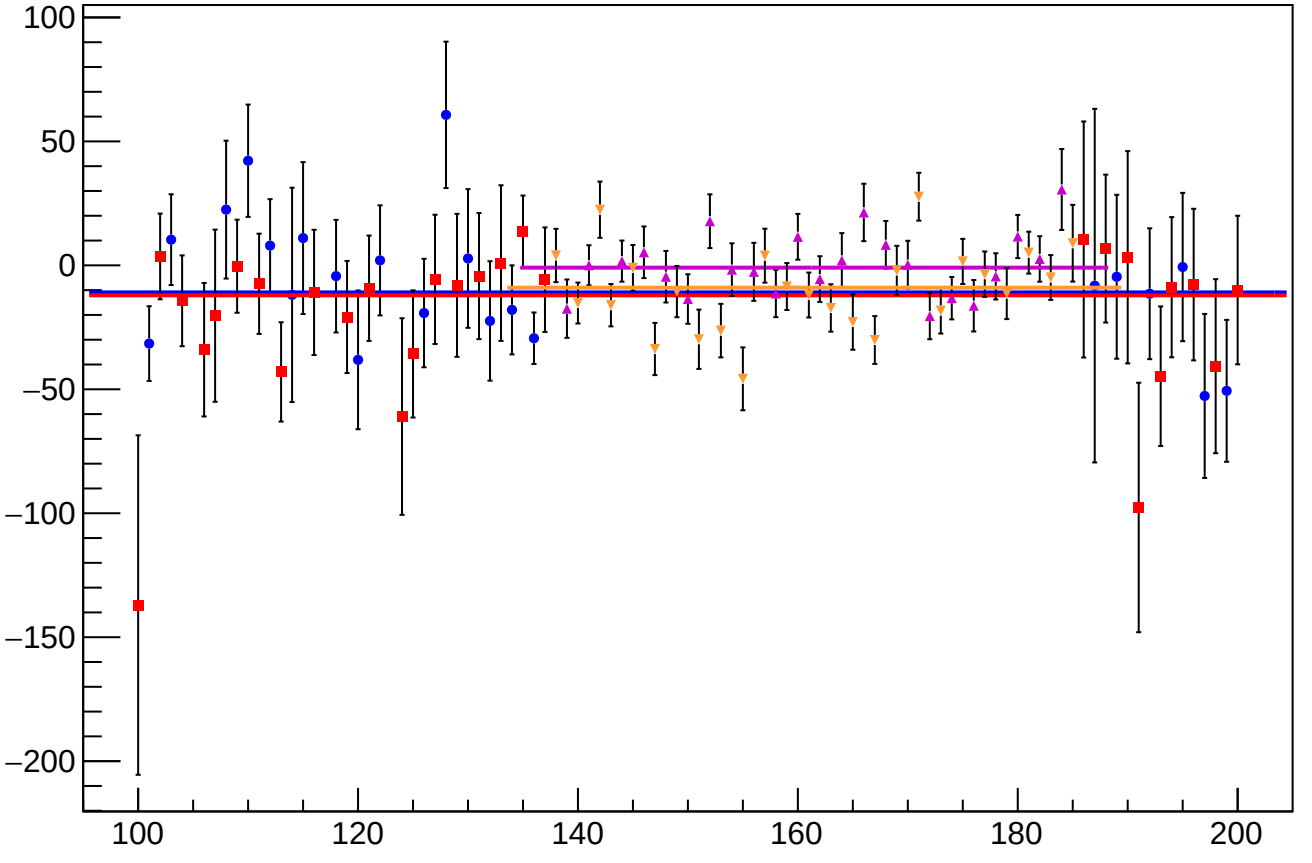
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 490.069+/-0.067 χ^2/NDF: 6544043.5/46

All: 492.613+/-0.047 χ^2/NDF: 14096088.6/97

- sign 495.181+/-0.067 χ^2/NDF: 7549108.9/50

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -10.920+/-4.729 χ^2/NDF: 26.5/21

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

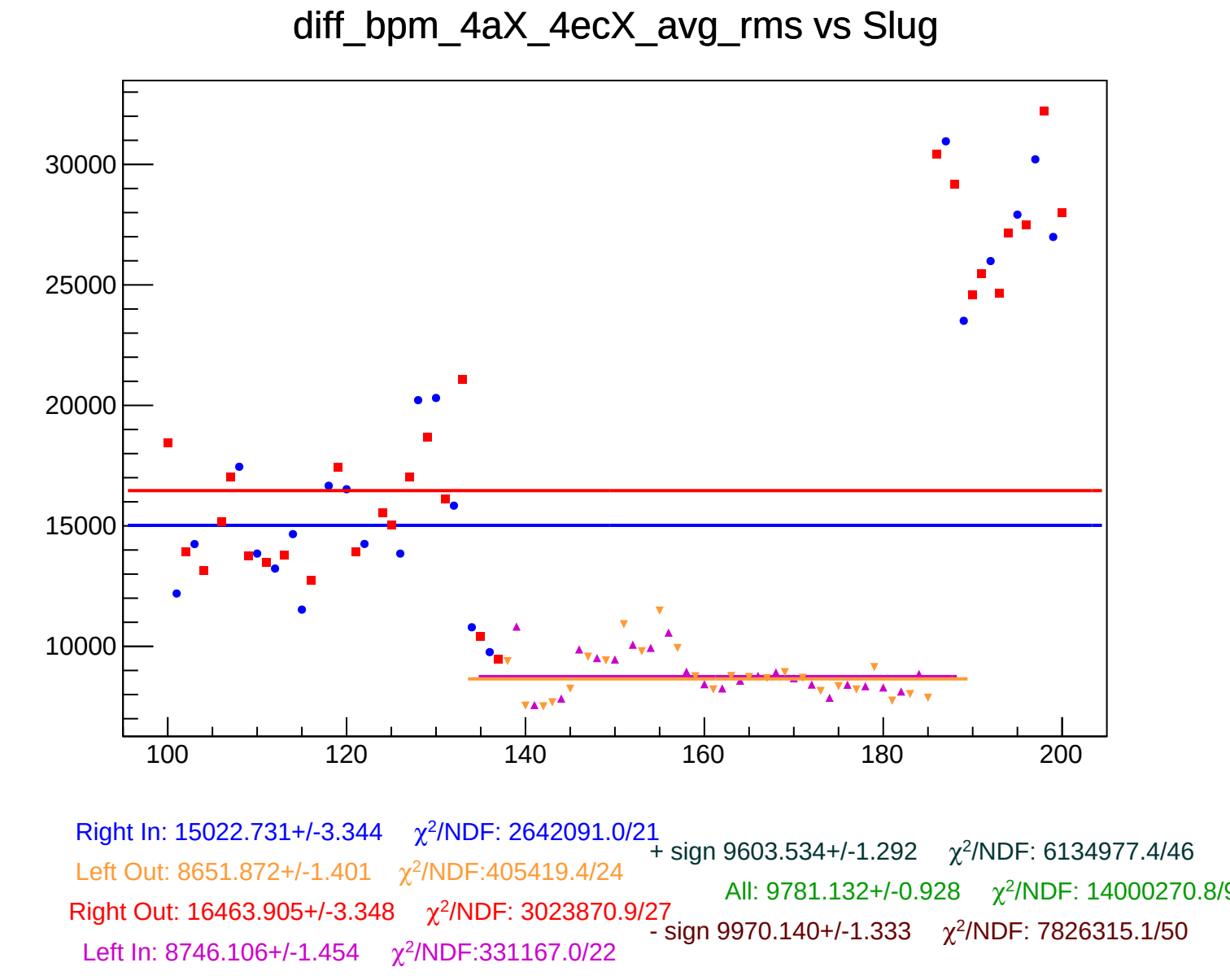
Right Out: -12.088+/-4.735 χ^2/NDF: 19.5/27

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

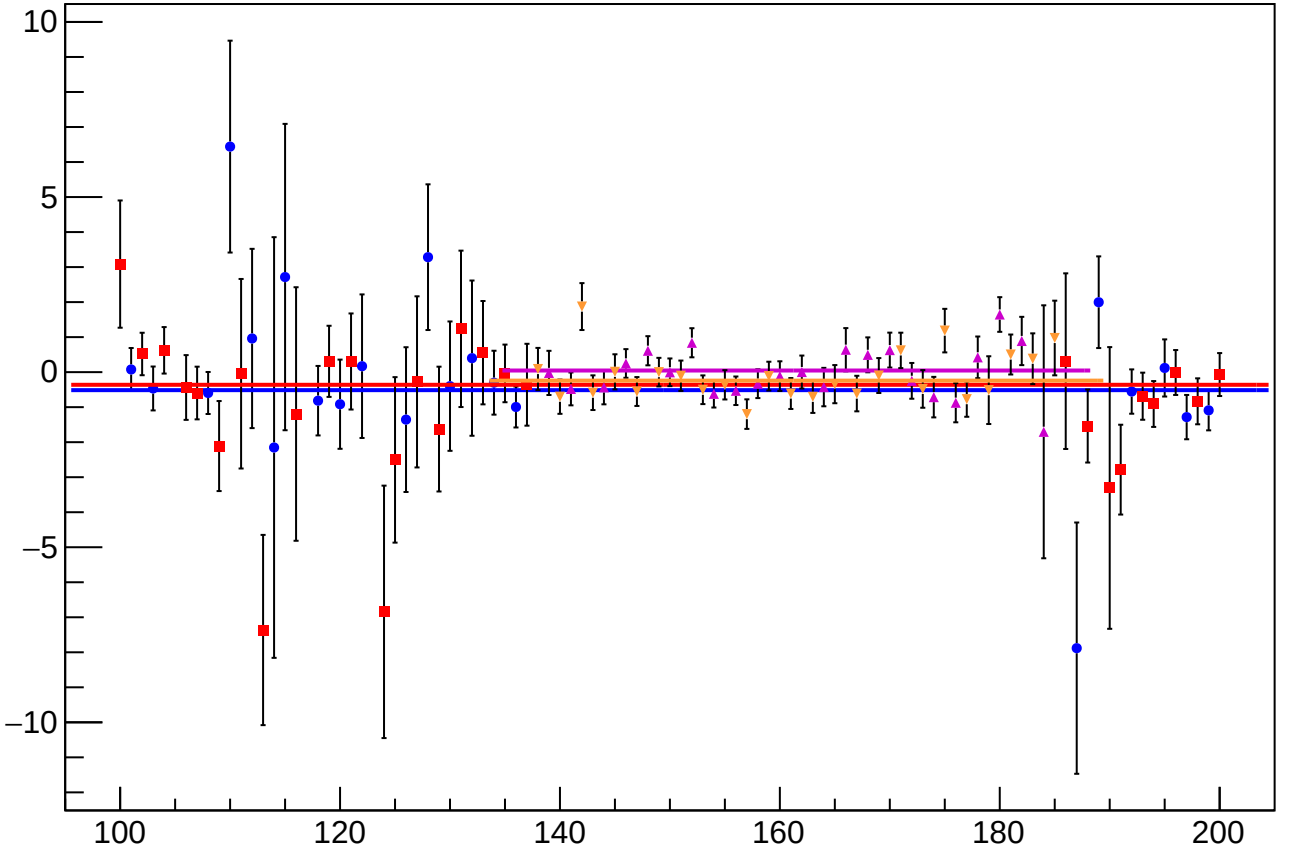
+ sign -9.287+/-1.828 χ^2/NDF: 88.0/46

All: -6.094+/-1.312 χ^2/NDF: 148.2/97

- sign -2.696+/-1.886 χ^2/NDF: 54.0/50


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15022.731+/-3.344 χ²/NDF: 2642091.0/21
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16463.905+/-3.348 χ²/NDF: 3023870.9/27
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9603.534+/-1.292 χ²/NDF: 6134977.4/46
All: 9781.132+/-0.928 χ²/NDF: 14000270.8/9
- sign 9970.140+/-1.333 χ²/NDF: 7826315.1/50

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.514+/-0.198 χ^2/NDF: 22.9/21

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.361+/-0.189 χ^2/NDF: 30.3/27

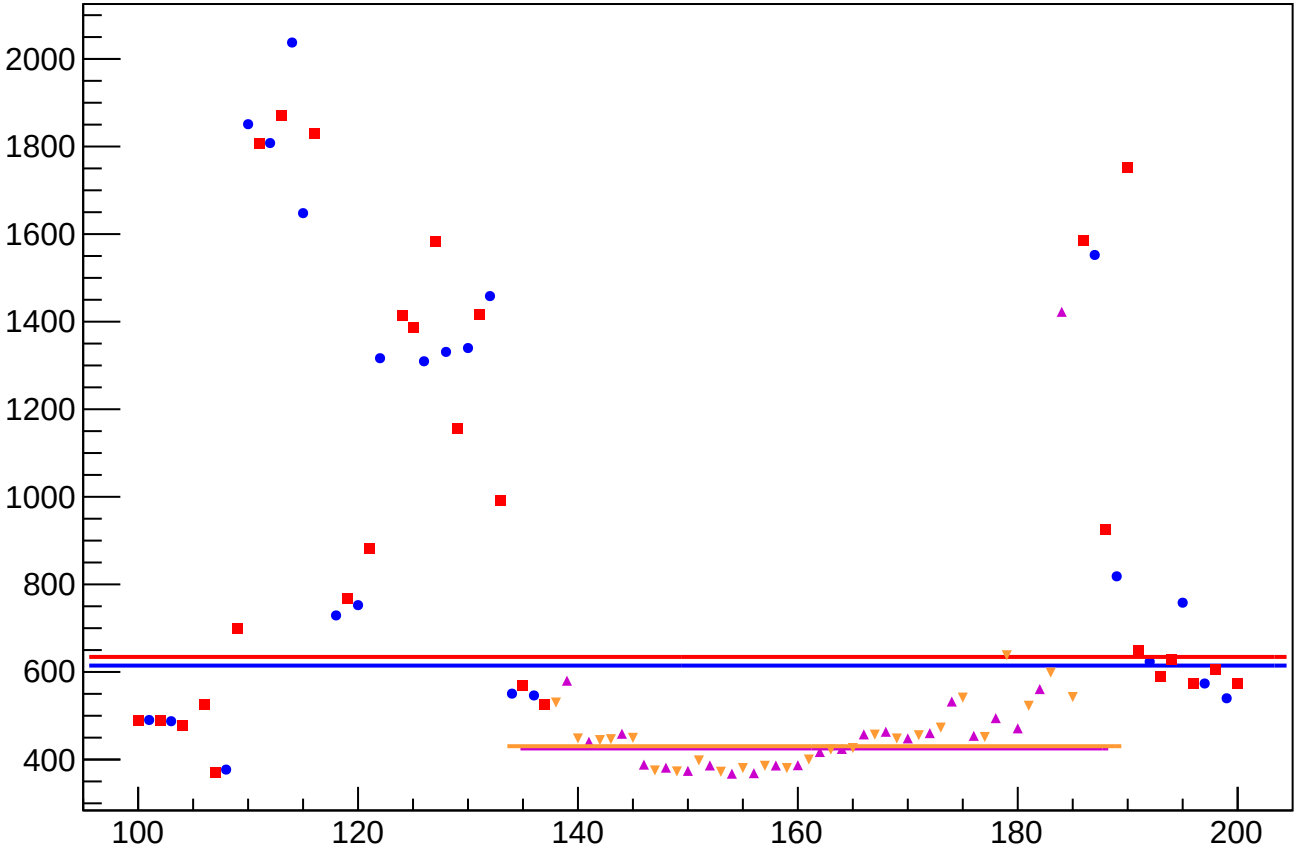
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.298+/-0.089 χ^2/NDF: 58.7/46

All: -0.171+/-0.063 χ^2/NDF: 131.7/97

- sign -0.045+/-0.089 χ^2/NDF: 69.0/50

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 614.565+/-0.140 χ^2/NDF: 3143940.3/21

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

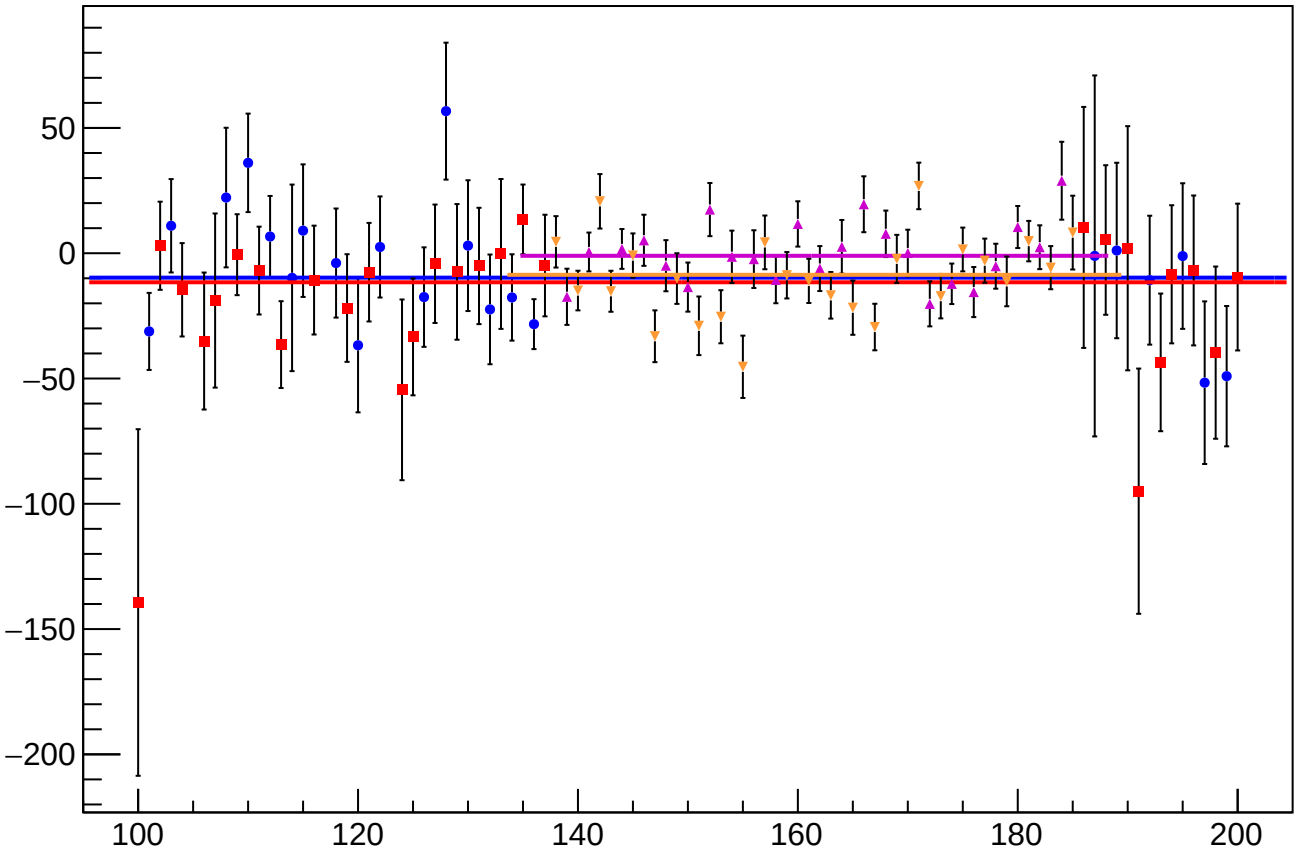
Right Out: 634.351+/-0.134 χ^2/NDF: 3438358.6/27

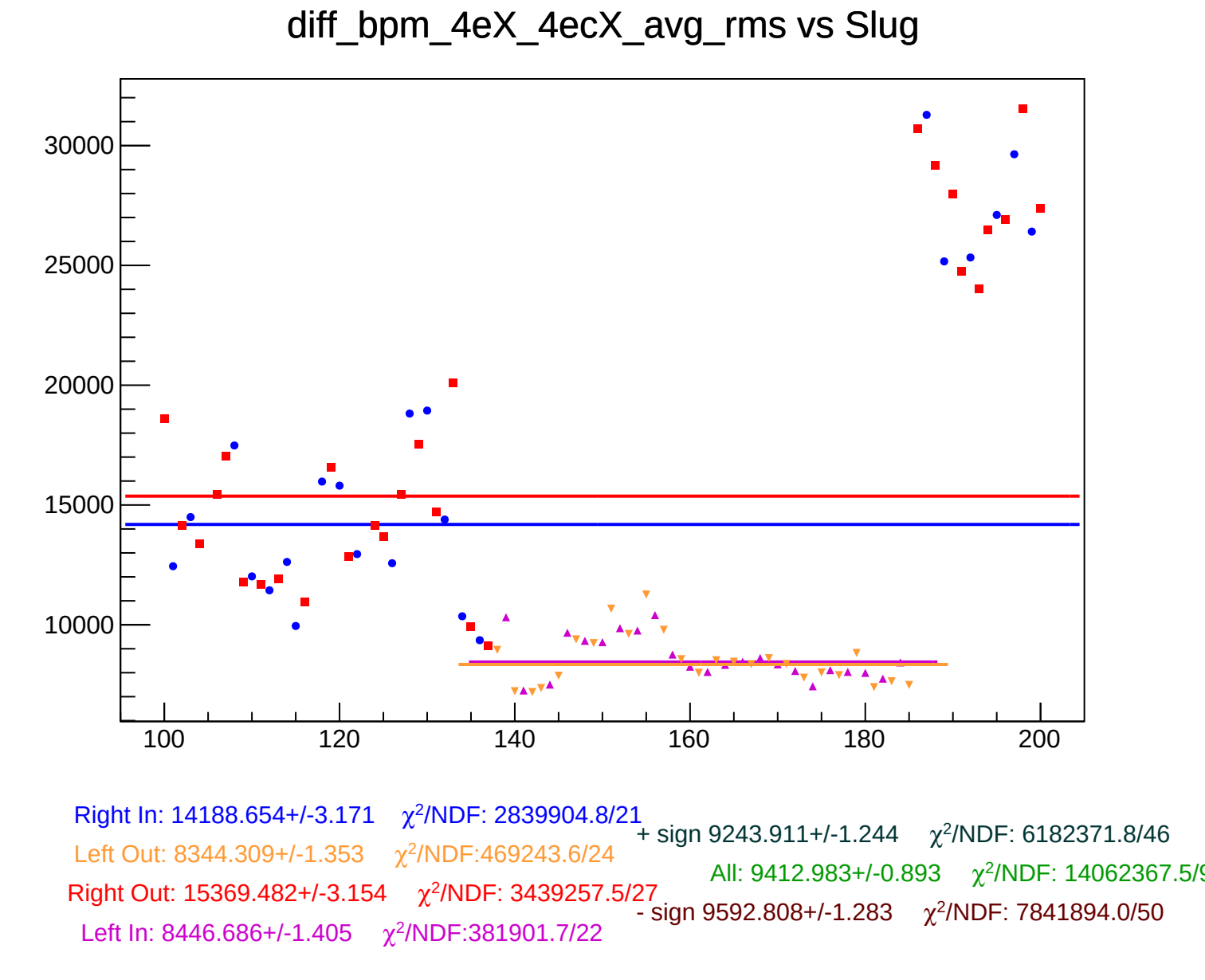
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 467.982+/-0.063 χ^2/NDF: 5168880.3/46

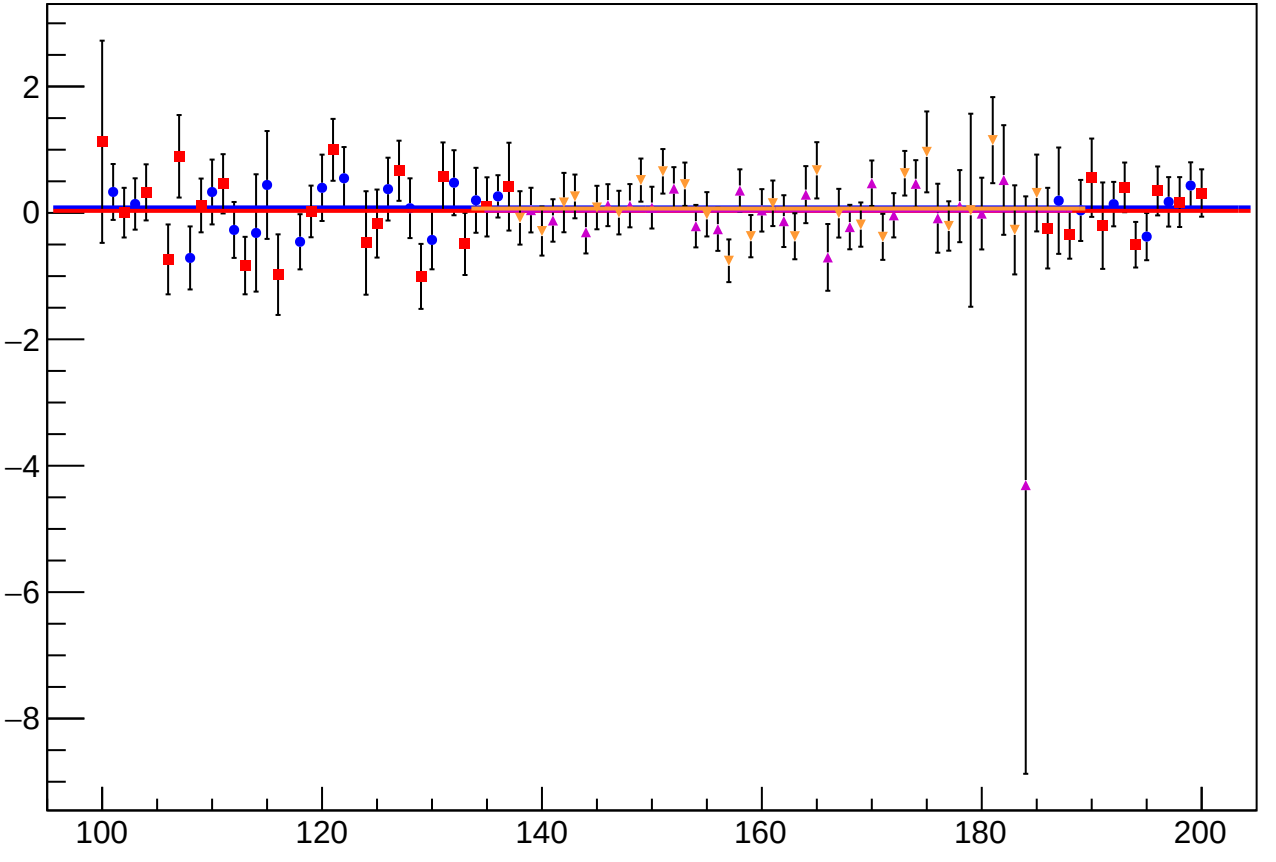
All: 470.075+/-0.045 χ^2/NDF: 11224823.9/97

- sign 472.171+/-0.063 χ^2/NDF: 6053750.2/50


diff_bpm_4eX_4ecX_avg_mean vs Slug
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -9.748+/-4.485 χ²/NDF: 27.1/21
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: -11.593+/-4.460 χ²/NDF: 19.3/27
Left In: -1.027+/-1.987 χ²/NDF:29.8/22
+ sign -8.796+/-1.760 χ²/NDF: 88.7/46
All: -5.879+/-1.263 χ²/NDF: 148.2/97
- sign -2.776+/-1.815 χ²/NDF: 53.8/50


diff_bpm_4eX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14188.654+/-3.171 χ²/NDF: 2839904.8/21
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15369.482+/-3.154 χ²/NDF: 3439257.5/27
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
+ sign 9243.911+/-1.244 χ²/NDF: 6182371.8/46
All: 9412.983+/-0.893 χ²/NDF: 14062367.5/9
- sign 9592.808+/-1.283 χ²/NDF: 7841894.0/50

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.087+/-0.098 χ^2/NDF: 11.9/21

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.032+/-0.091 χ^2/NDF: 30.8/27

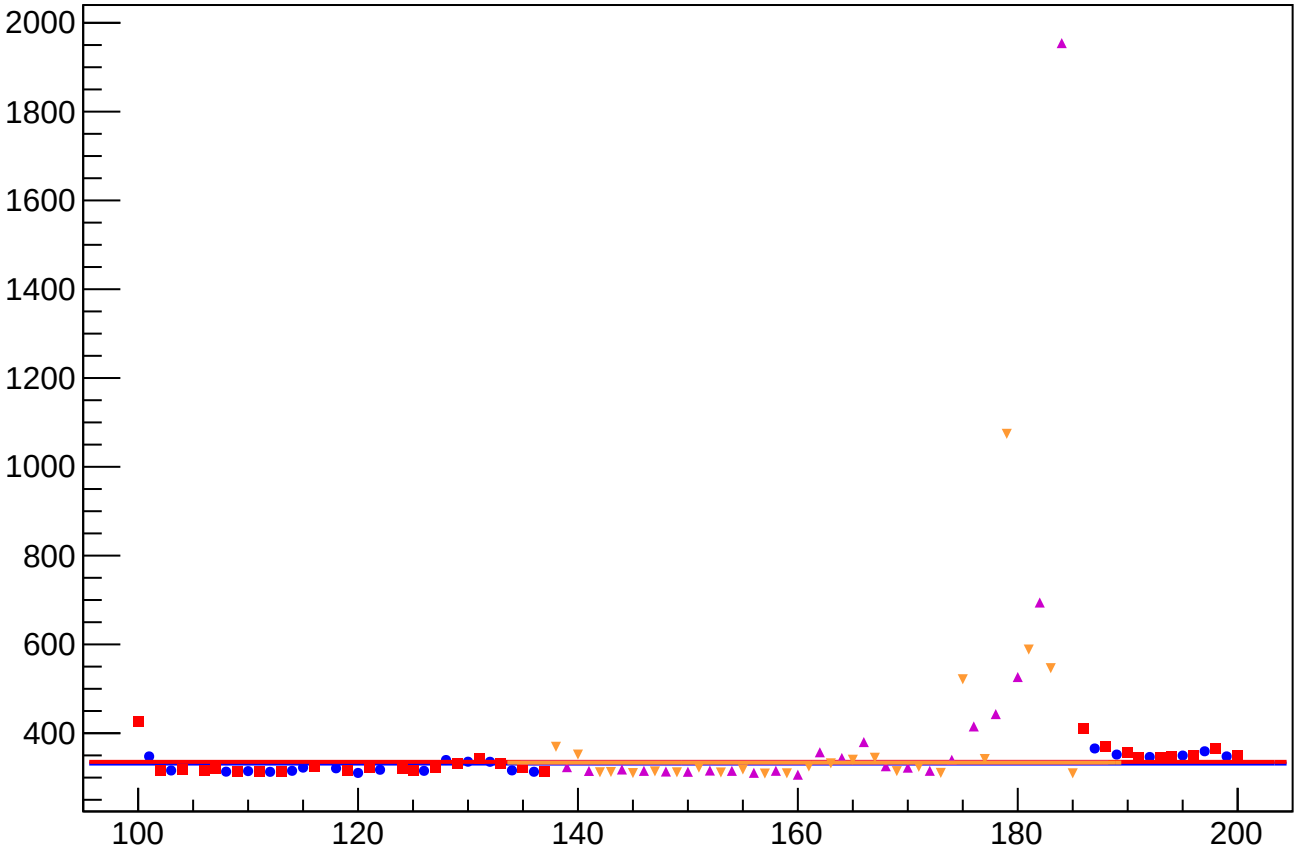
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.076+/-0.062 χ^2/NDF: 40.1/46

All: 0.055+/-0.043 χ^2/NDF: 82.8/97

- sign 0.035+/-0.060 χ^2/NDF: 42.4/50

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.610+/-0.069 χ^2/NDF: 60638.9/21

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.483+/-0.064 χ^2/NDF: 114071.7/27

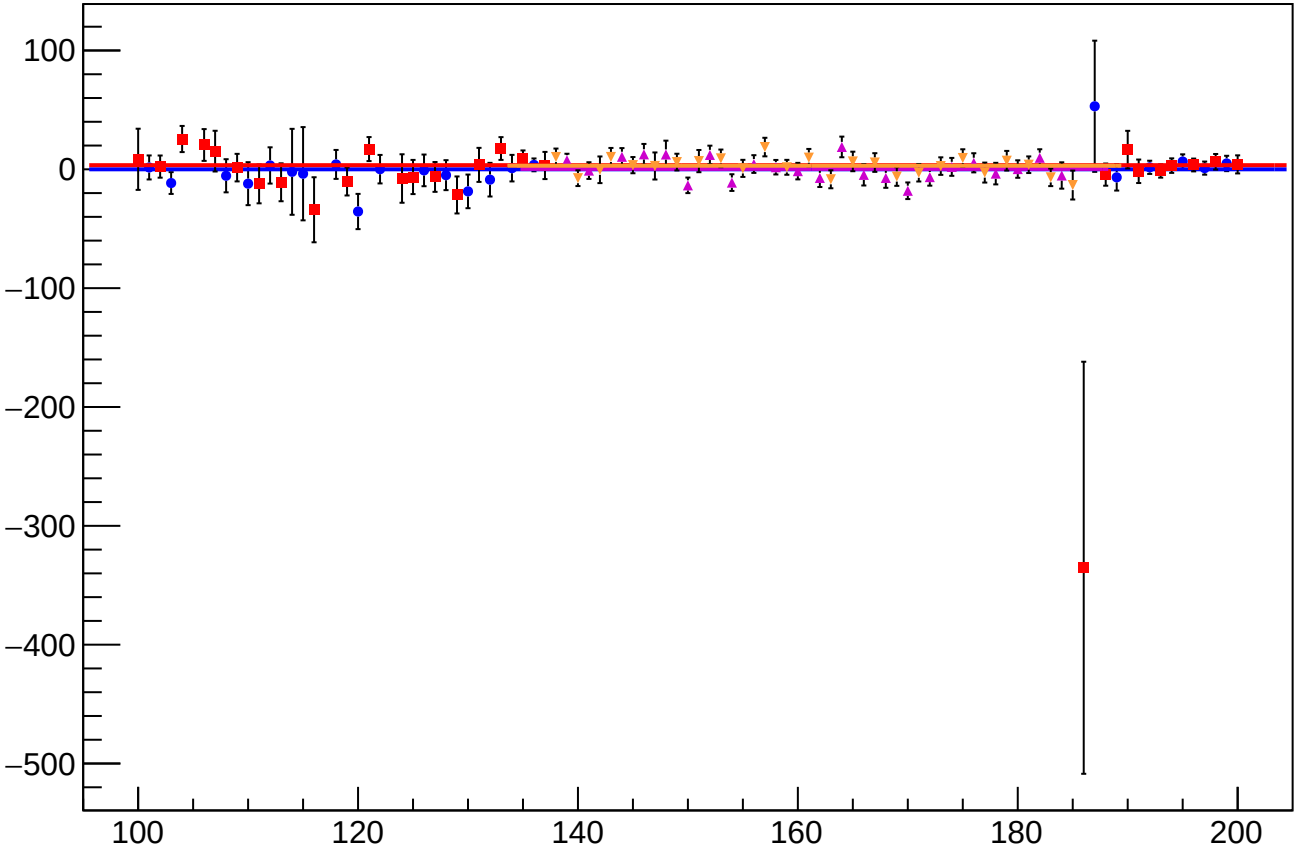
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.926+/-0.044 χ^2/NDF: 1278492.1/46

All: 333.800+/-0.030 χ^2/NDF: 2444646.6/97

- sign 334.644+/-0.043 χ^2/NDF: 1165361.5/50

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 0.002+/-2.030 χ^2/NDF: 14.0/21

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

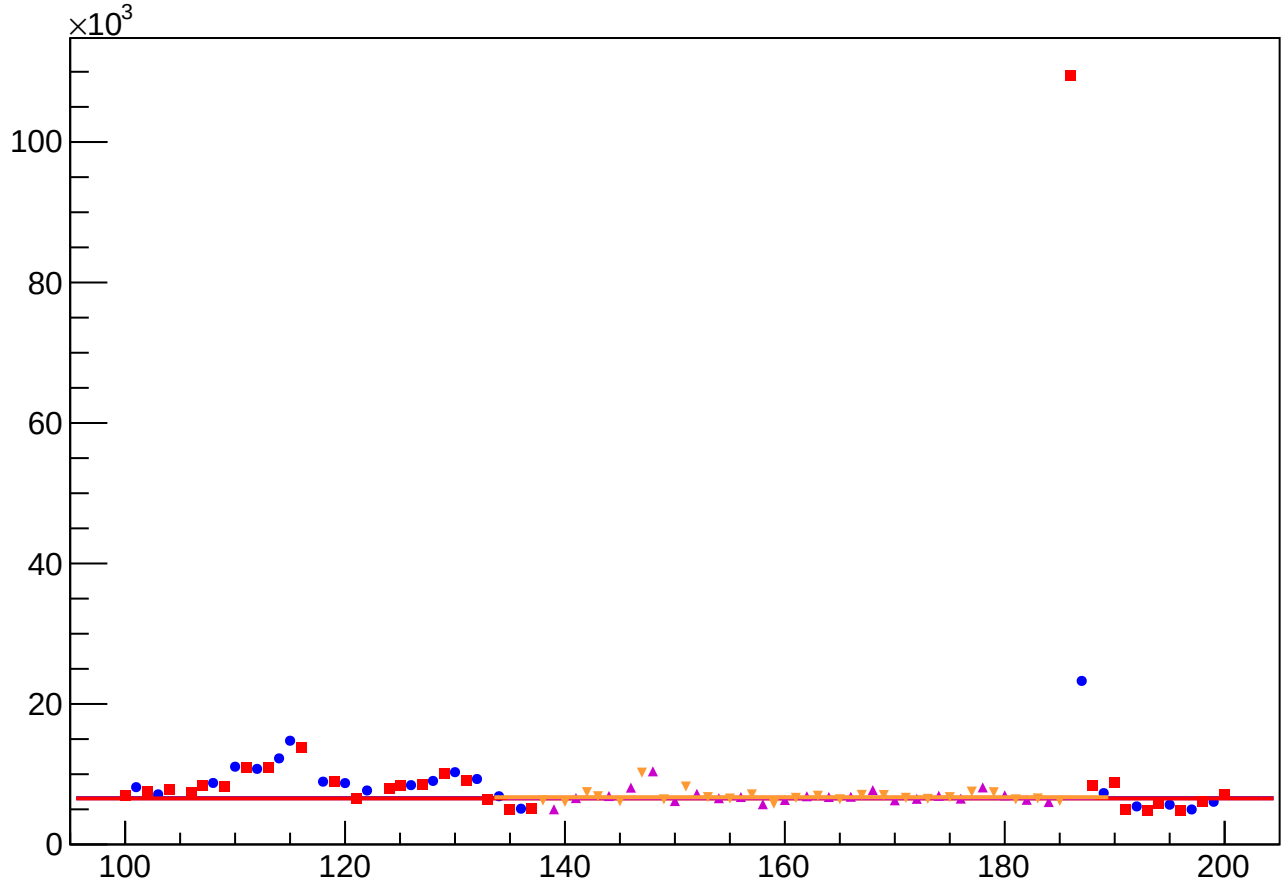
Right Out: 3.488+/-1.875 χ^2/NDF: 26.1/27

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.918+/-1.228 χ^2/NDF: 35.7/46

All: 1.777+/-0.859 χ^2/NDF: 97.3/97

- sign 1.643+/-1.203 χ^2/NDF: 61.6/50



Right In: 6585.594+/-1.435 χ^2/NDF: 1636043.5/21

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6552.579+/-1.326 χ^2/NDF: 2340464.7/27

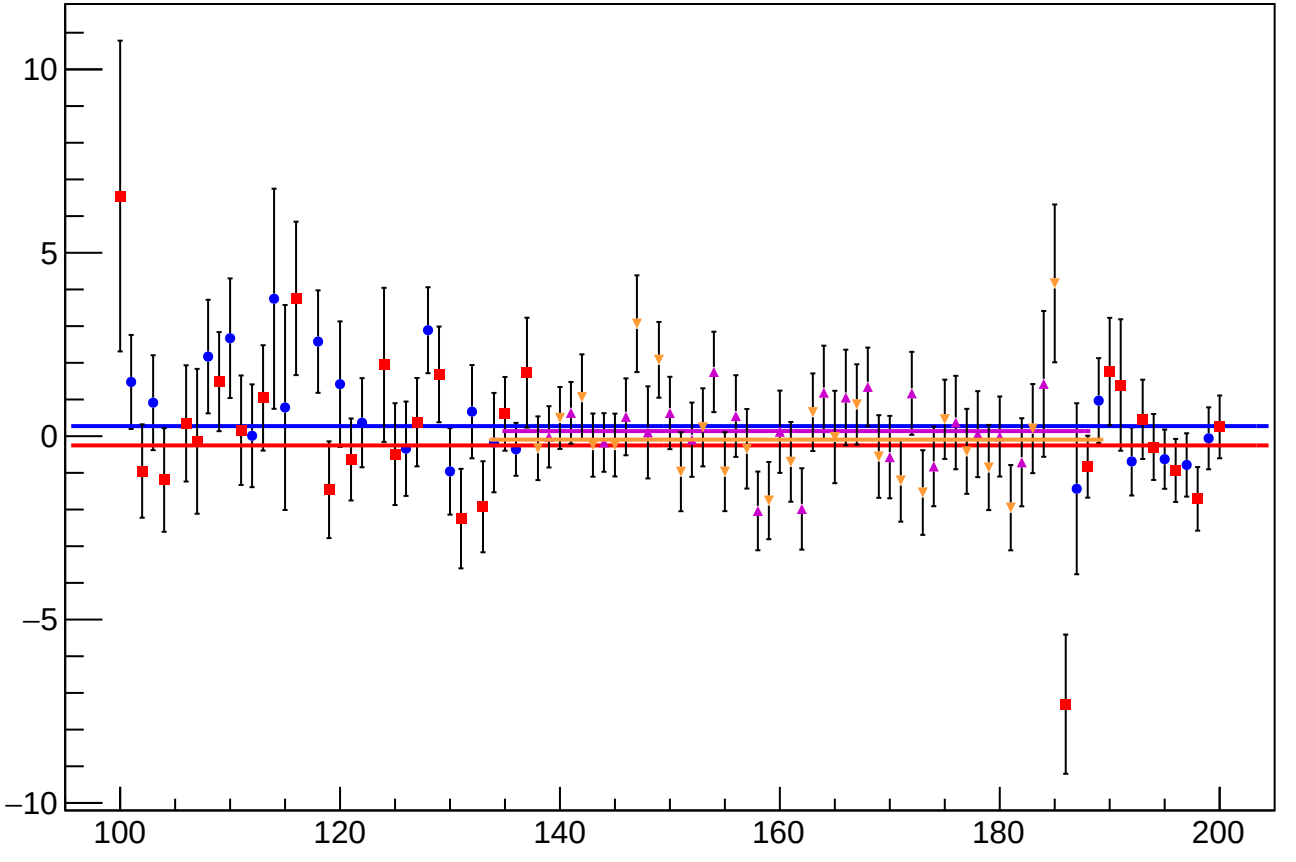
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6672.726+/-0.868 χ^2/NDF: 2045171.9/46

All: 6635.484+/-0.608 χ^2/NDF: 5020884.8/97

- sign 6599.729+/-0.851 χ^2/NDF: 2972105.7/50

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.274+/-0.252 χ^2/NDF: 21.5/21

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.252+/-0.235 χ^2/NDF: 42.0/27

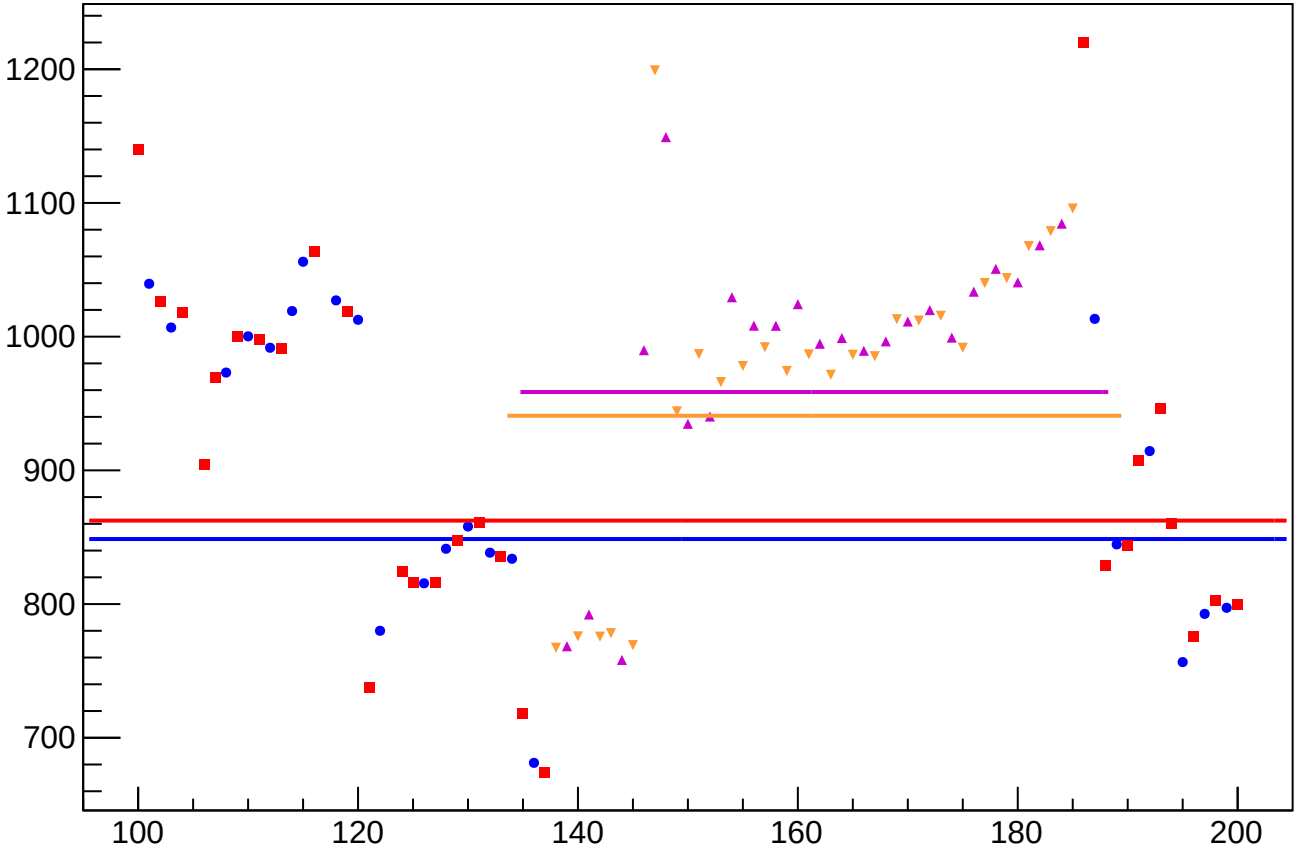
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.061+/-0.164 χ^2/NDF: 50.1/46

All: 0.006+/-0.115 χ^2/NDF: 110.2/97

- sign -0.049+/-0.163 χ^2/NDF: 59.9/50

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 848.639+/-0.178 χ^2/NDF: 371503.9/21

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 862.417+/-0.166 χ^2/NDF: 406000.3/27

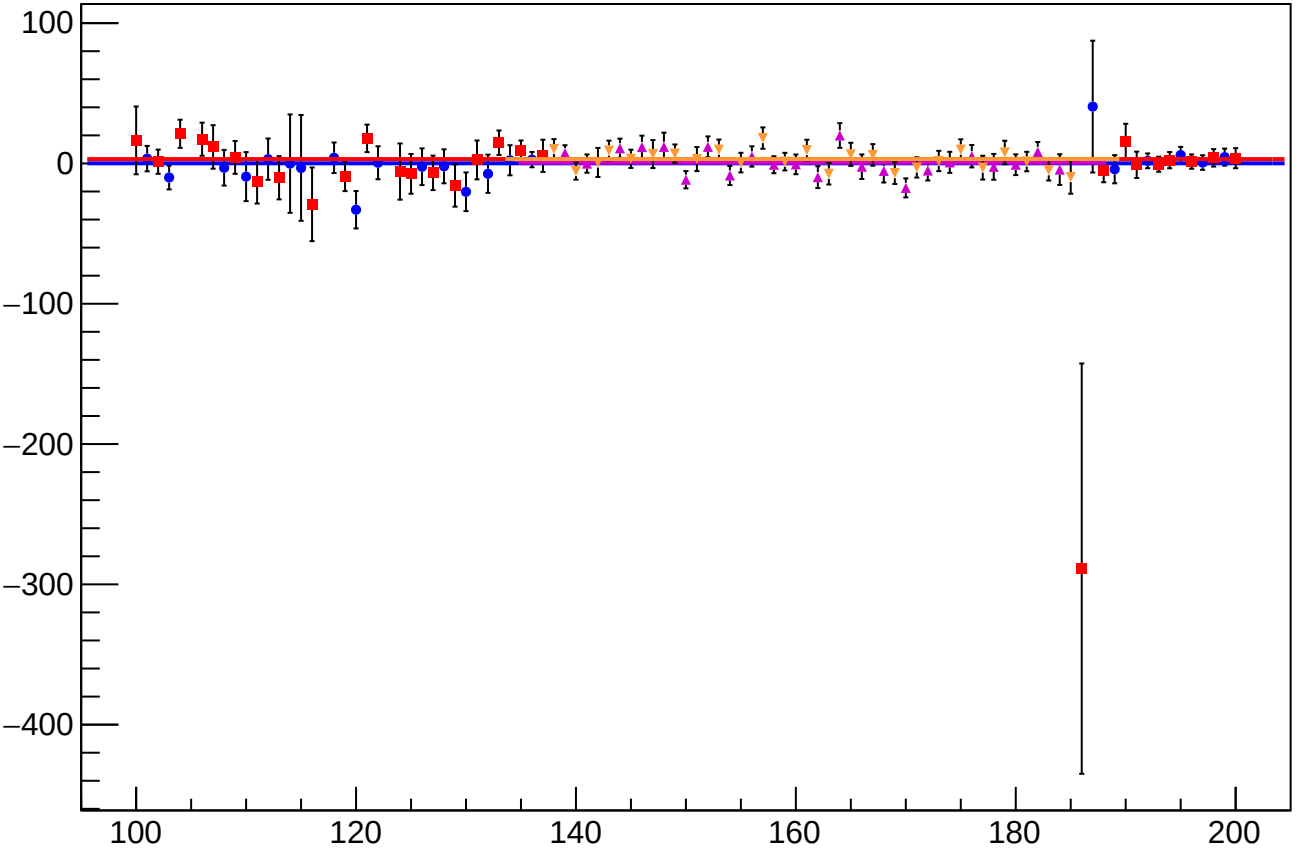
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 901.875+/-0.116 χ^2/NDF: 1095202.6/46

All: 907.195+/-0.082 χ^2/NDF: 2136963.5/97

- sign 912.442+/-0.115 χ^2/NDF: 1037562.6/50

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 0.092+/-1.929 χ^2/NDF: 13.7/21

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.109+/-1.773 χ^2/NDF: 24.6/27

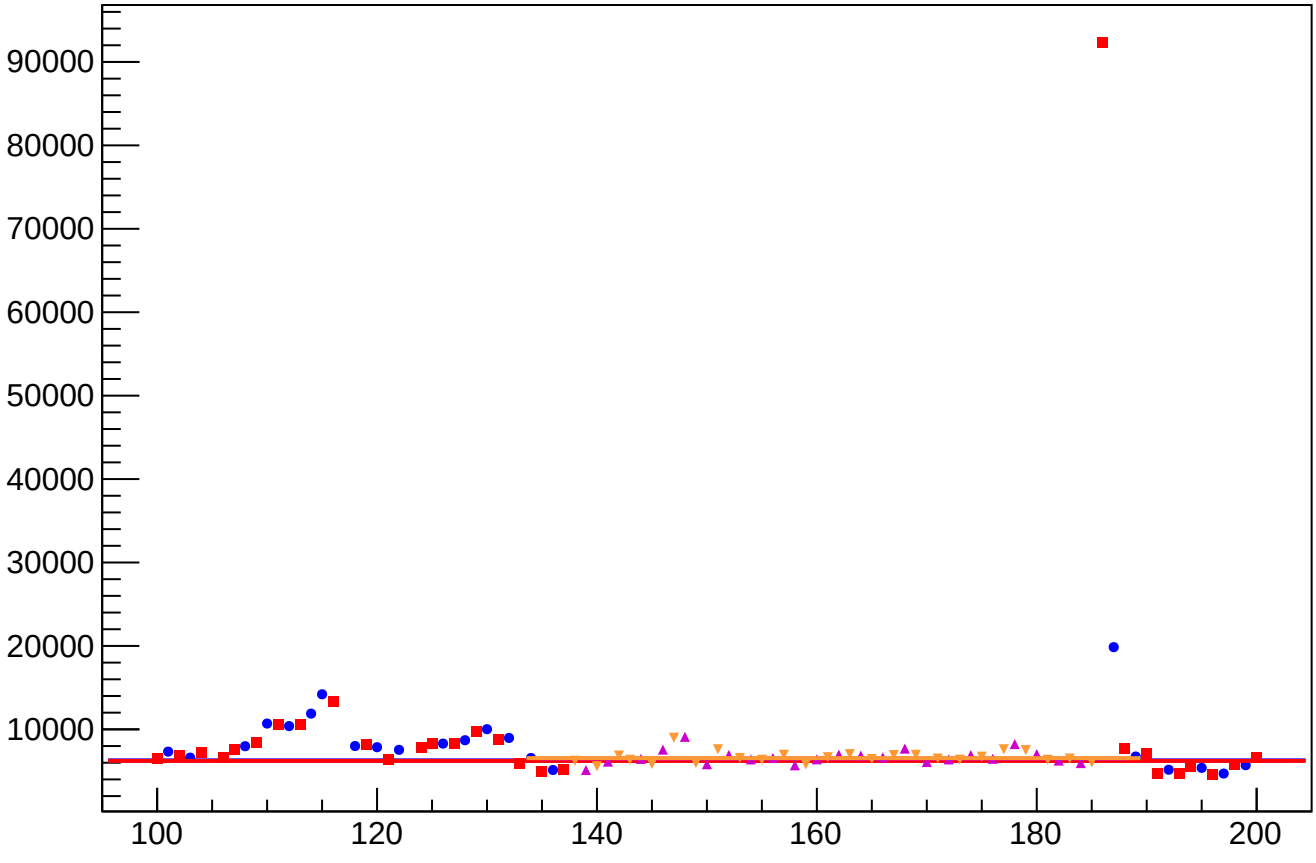
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

\+ sign 1.966+/-1.184 χ^2/NDF: 33.8/46

All: 1.794+/-0.829 χ^2/NDF: 91.6/97

\- sign 1.629+/-1.160 χ^2/NDF: 57.8/50

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6279.404+/-1.364 χ^2/NDF: 1544272.7/21

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6219.262+/-1.253 χ^2/NDF: 2268483.0/27

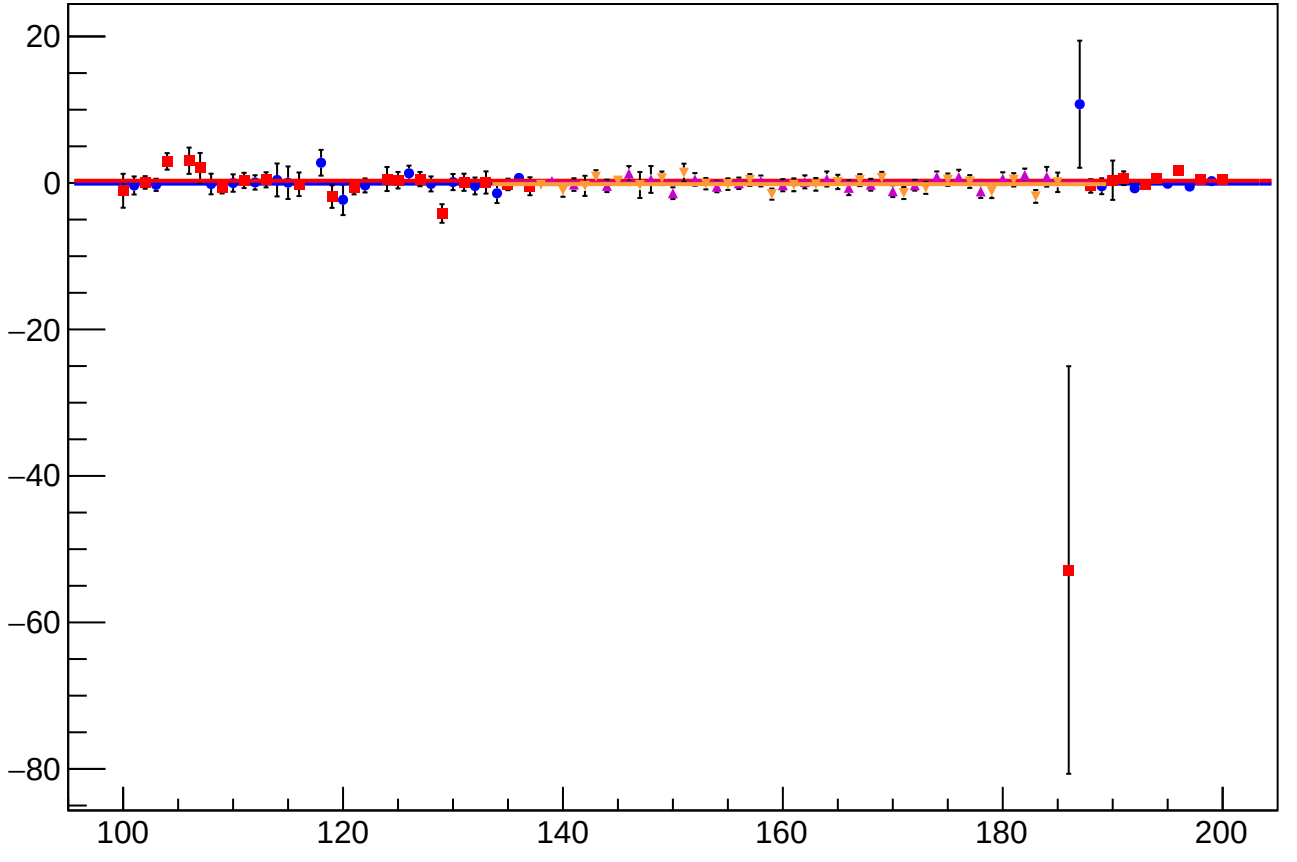
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6447.309+/-0.837 χ^2/NDF: 1934673.1/46

All: 6414.296+/-0.586 χ^2/NDF: 4751412.2/97

- sign 6382.599+/-0.820 χ^2/NDF: 2813692.2/50

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.093+/-0.192 χ^2/NDF: 12.6/21

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.302+/-0.177 χ^2/NDF: 37.8/27

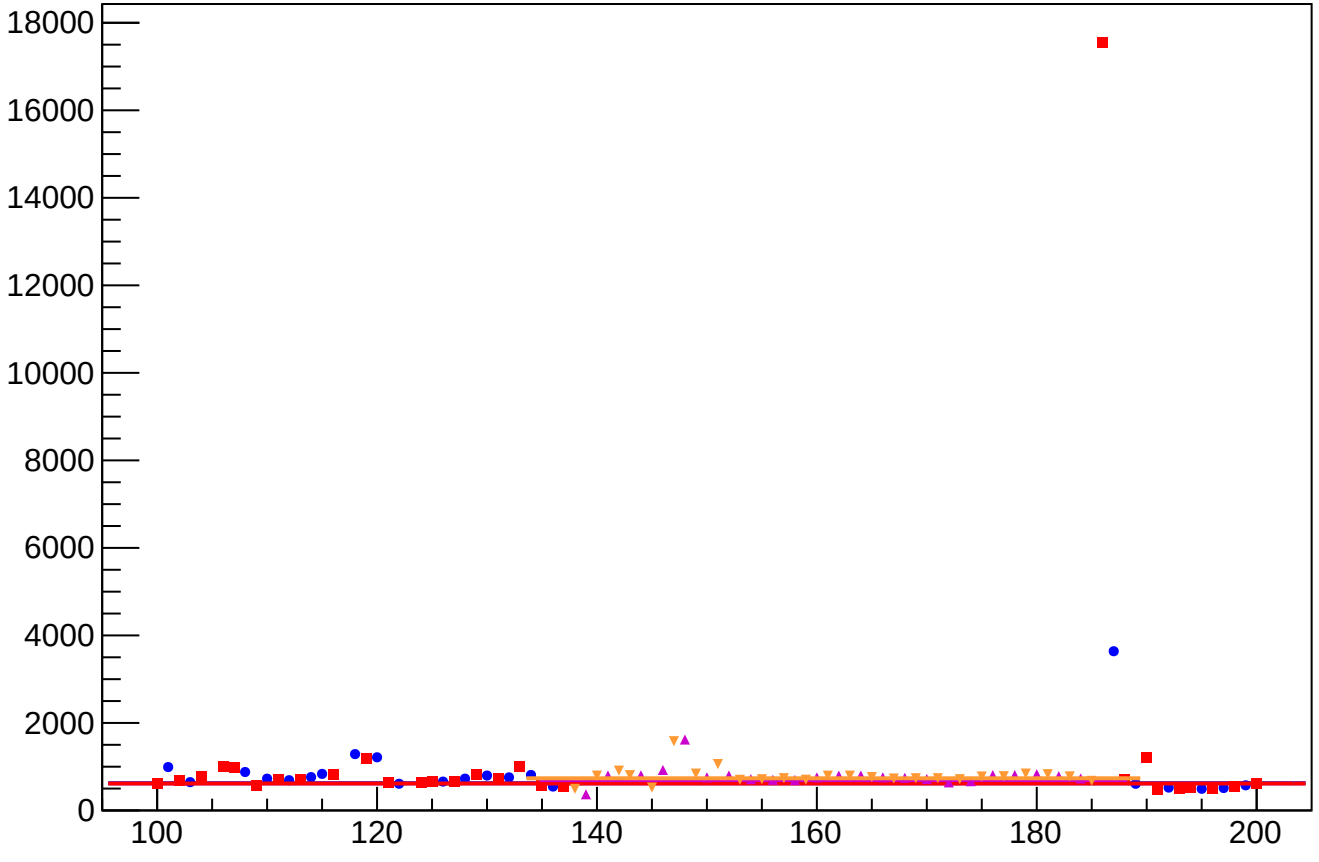
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.131+/-0.128 χ^2/NDF: 31.7/46

All: 0.017+/-0.089 χ^2/NDF: 88.7/97

- sign 0.153+/-0.122 χ^2/NDF: 54.4/50

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 621.769+/-0.136 χ^2/NDF: 1435185.6/21

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 615.748+/-0.125 χ^2/NDF: 1936440.8/27

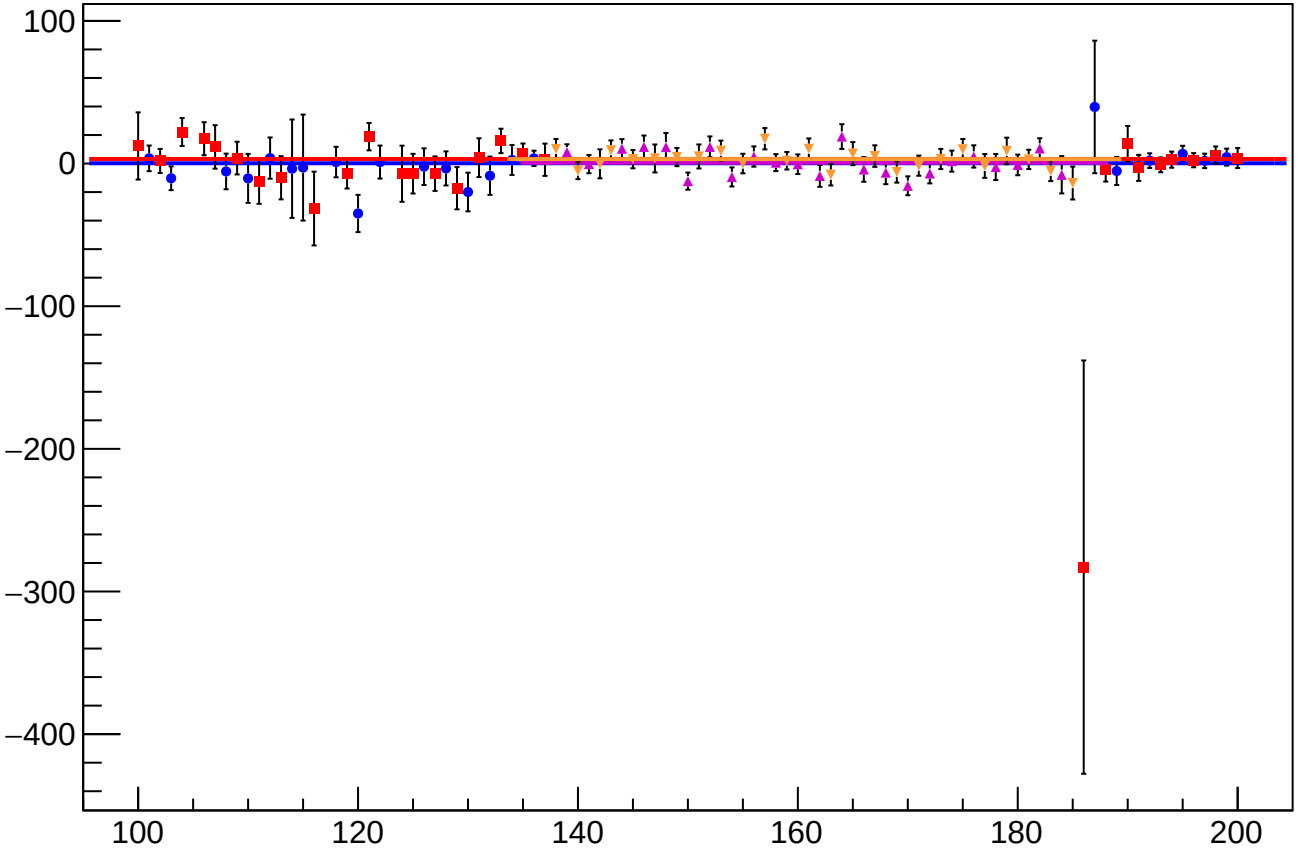
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 684.551+/-0.091 χ^2/NDF: 3160404.5/46

All: 670.047+/-0.063 χ^2/NDF: 7575652.5/97

- sign 656.825+/-0.087 χ^2/NDF: 4366288.9/50

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 0.214+/-1.890 χ^2/NDF: 16.1/21

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

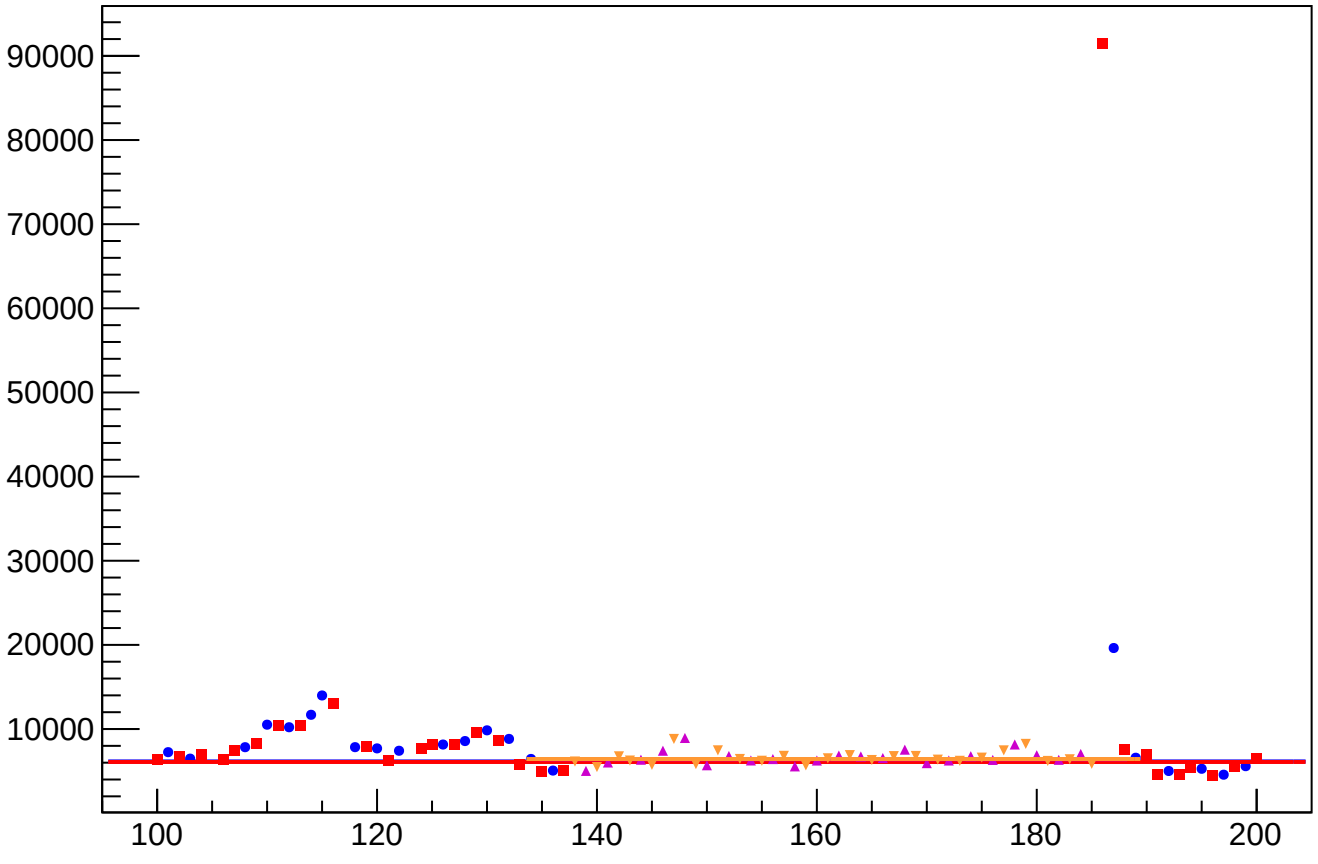
Right Out: 3.228+/-1.736 χ^2/NDF: 25.7/27

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.014+/-1.164 χ^2/NDF: 36.2/46

All: 1.856+/-0.814 χ^2/NDF: 96.9/97

- sign 1.705+/-1.140 χ^2/NDF: 60.7/50



Right In: 6147.924+/-1.337 χ^2/NDF: 1572714.5/21

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

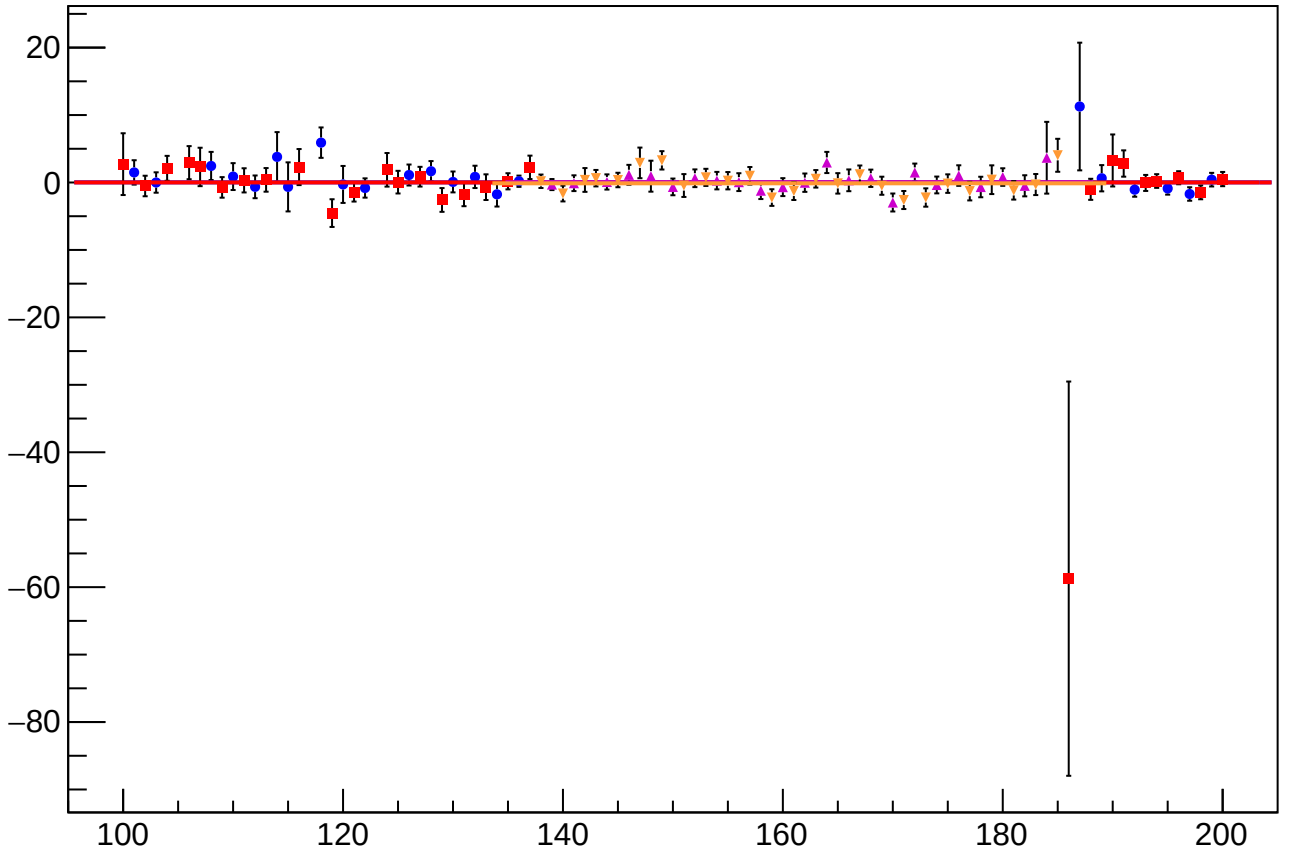
Right Out: 6085.911+/-1.228 χ^2/NDF: 2290224.1/27

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6326.482+/-0.823 χ^2/NDF: 2018755.5/46

All: 6296.391+/-0.576 χ^2/NDF: 4875140.2/97

- sign 6267.480+/-0.806 χ^2/NDF: 2853761.7/50



Right In: 0.022+/-0.312 χ^2/NDF: 20.2/21

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.008+/-0.297 χ^2/NDF: 27.0/27

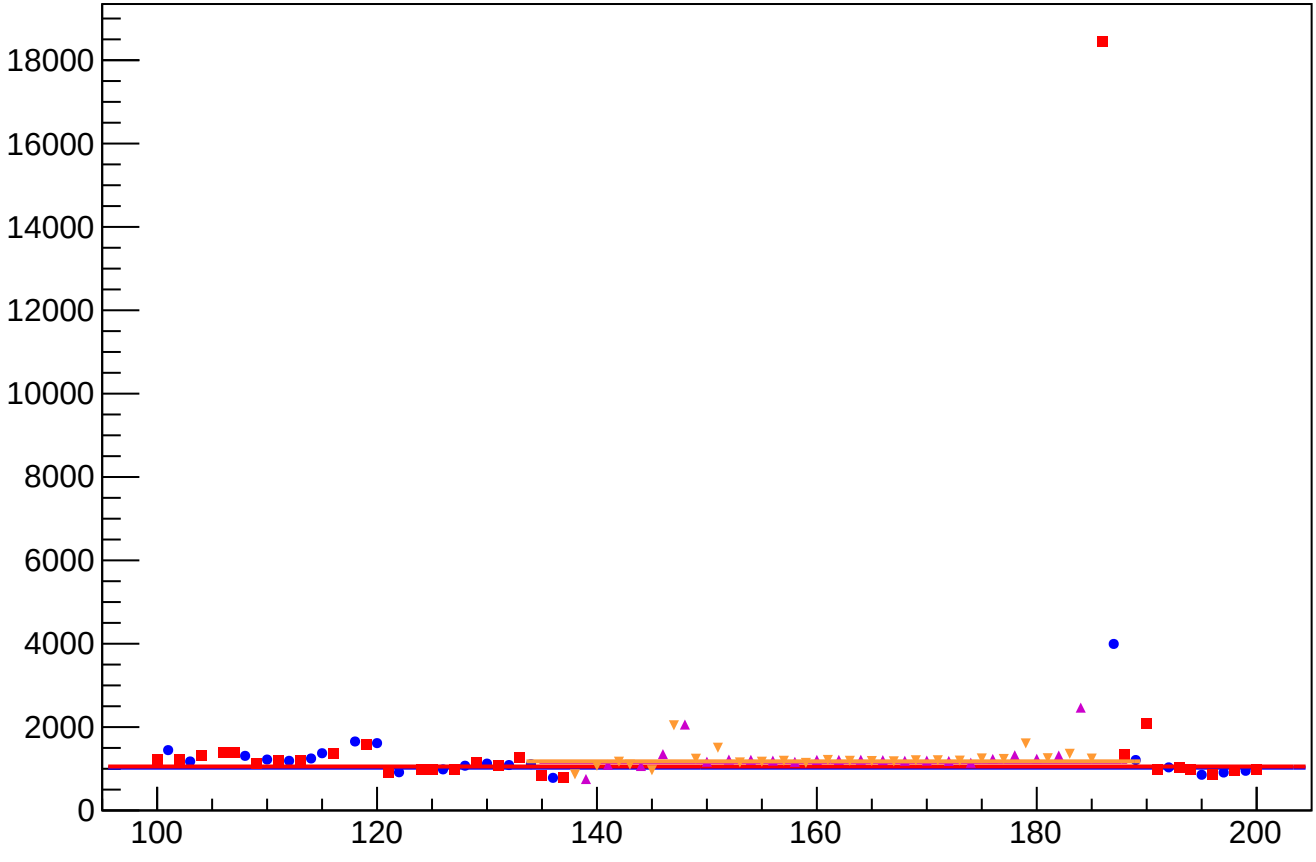
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.059+/-0.206 χ^2/NDF: 47.3/46

All: -0.020+/-0.145 χ^2/NDF: 88.9/97

- sign 0.019+/-0.203 χ^2/NDF: 41.4/50

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1026.216+/-0.221 χ^2/NDF: 998557.7/21

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1054.729+/-0.210 χ^2/NDF: 1542643.8/27

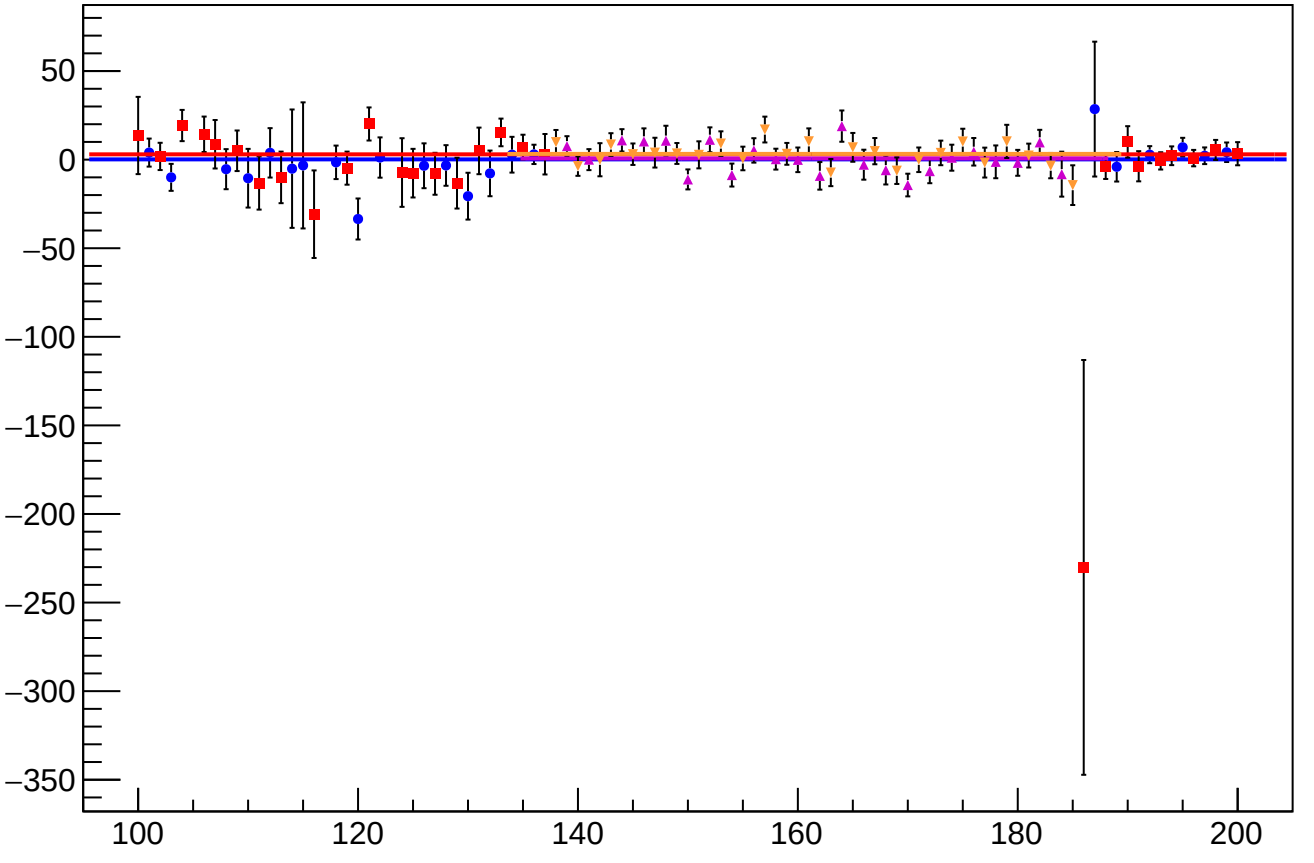
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1111.928+/-0.145 χ^2/NDF: 2066339.3/46

All: 1112.374+/-0.102 χ^2/NDF: 4804648.3/97

- sign 1112.810+/-0.144 χ^2/NDF: 2738290.4/50

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 0.146+/-1.772 χ^2/NDF: 18.1/21

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 2.994+/-1.614 χ^2/NDF: 26.0/27

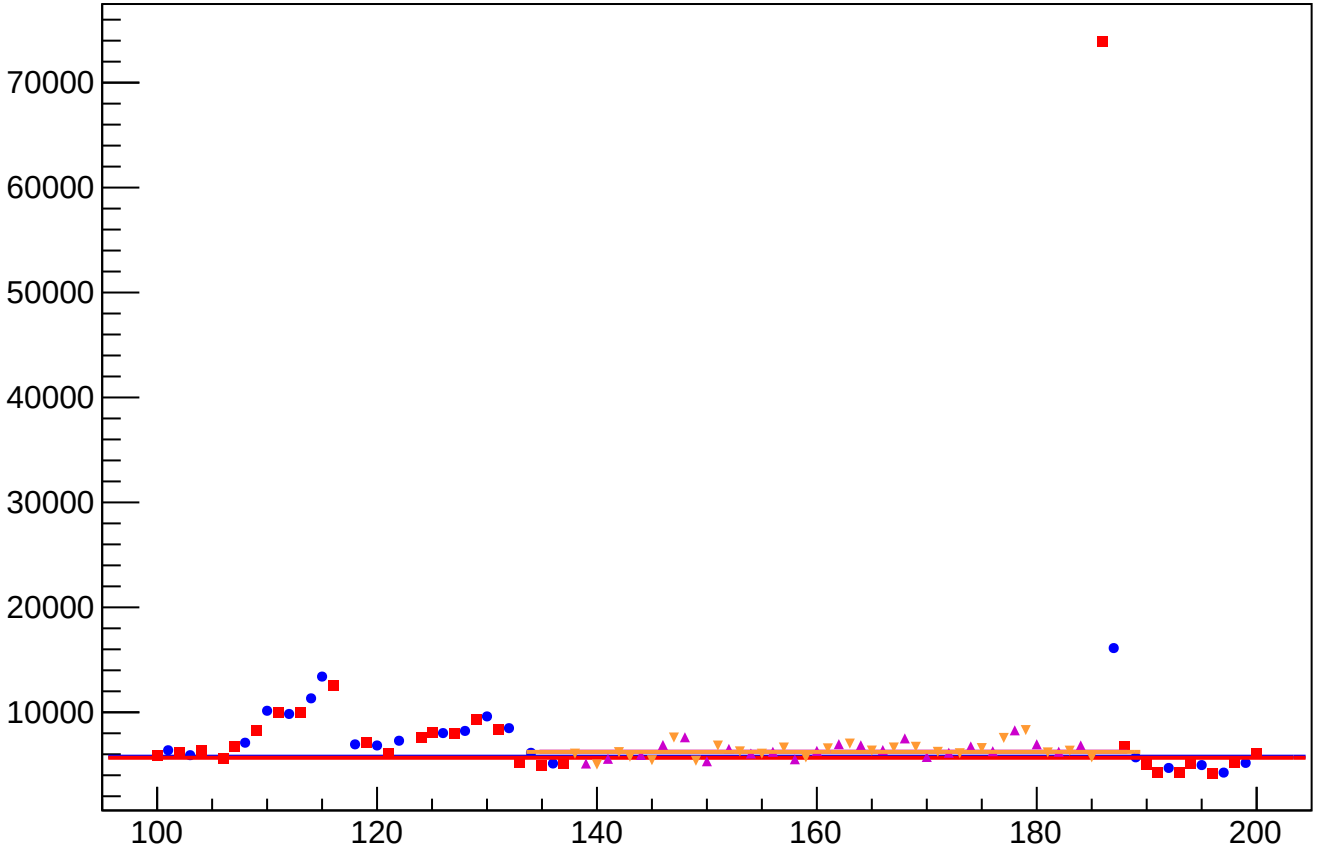
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.016+/-1.113 χ^2/NDF: 37.8/46

All: 1.867+/-0.778 χ^2/NDF: 97.4/97

- sign 1.725+/-1.088 χ^2/NDF: 59.5/50

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5771.128+/-1.253 χ^2/NDF: 1548680.3/21

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5667.244+/-1.141 χ^2/NDF: 2307787.7/27

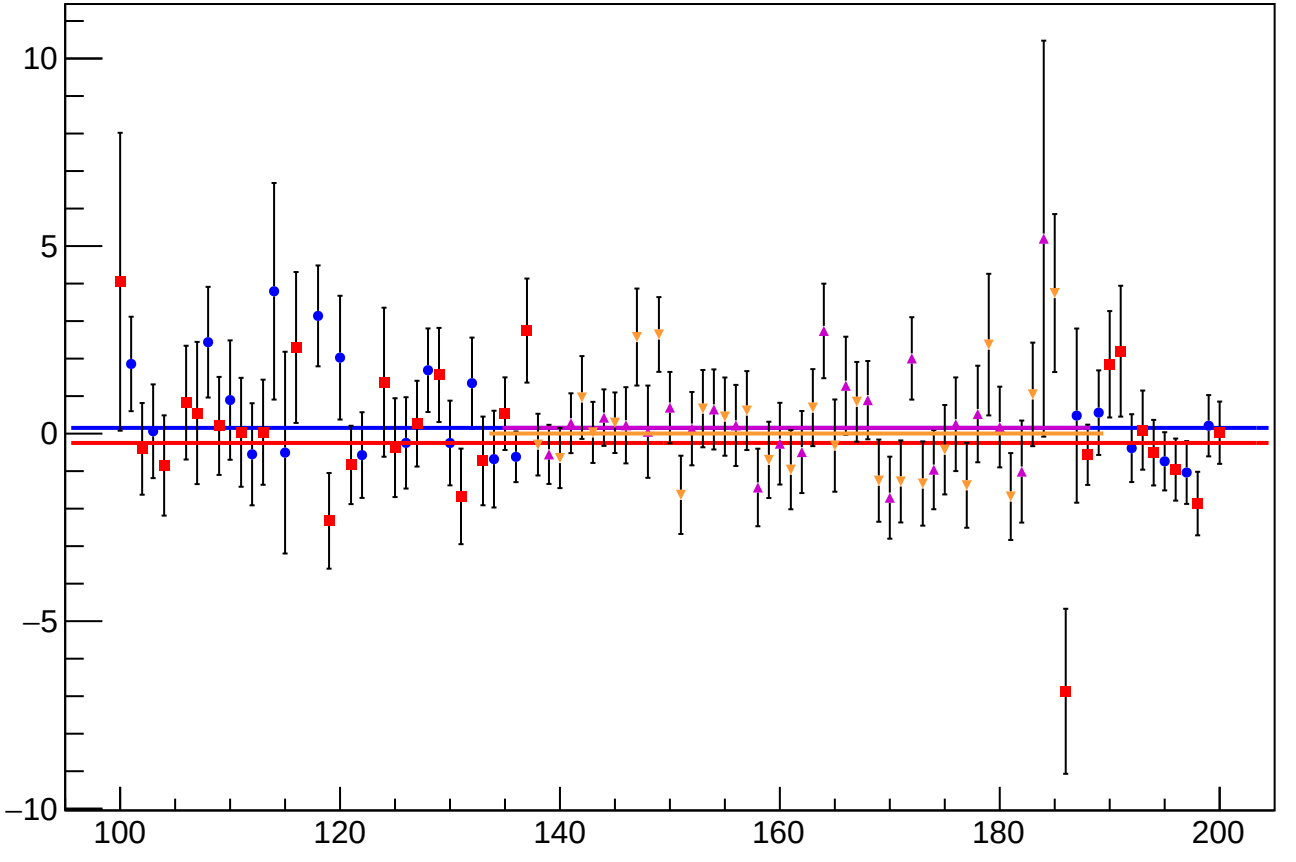
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6048.241+/-0.787 χ^2/NDF: 2100309.4/46

All: 6015.068+/-0.550 χ^2/NDF: 5037181.8/97

- sign 5983.325+/-0.770 χ^2/NDF: 2933392.9/50

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.153+/-0.242 χ^2/NDF: 21.7/21

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.249+/-0.226 χ^2/NDF: 34.6/27

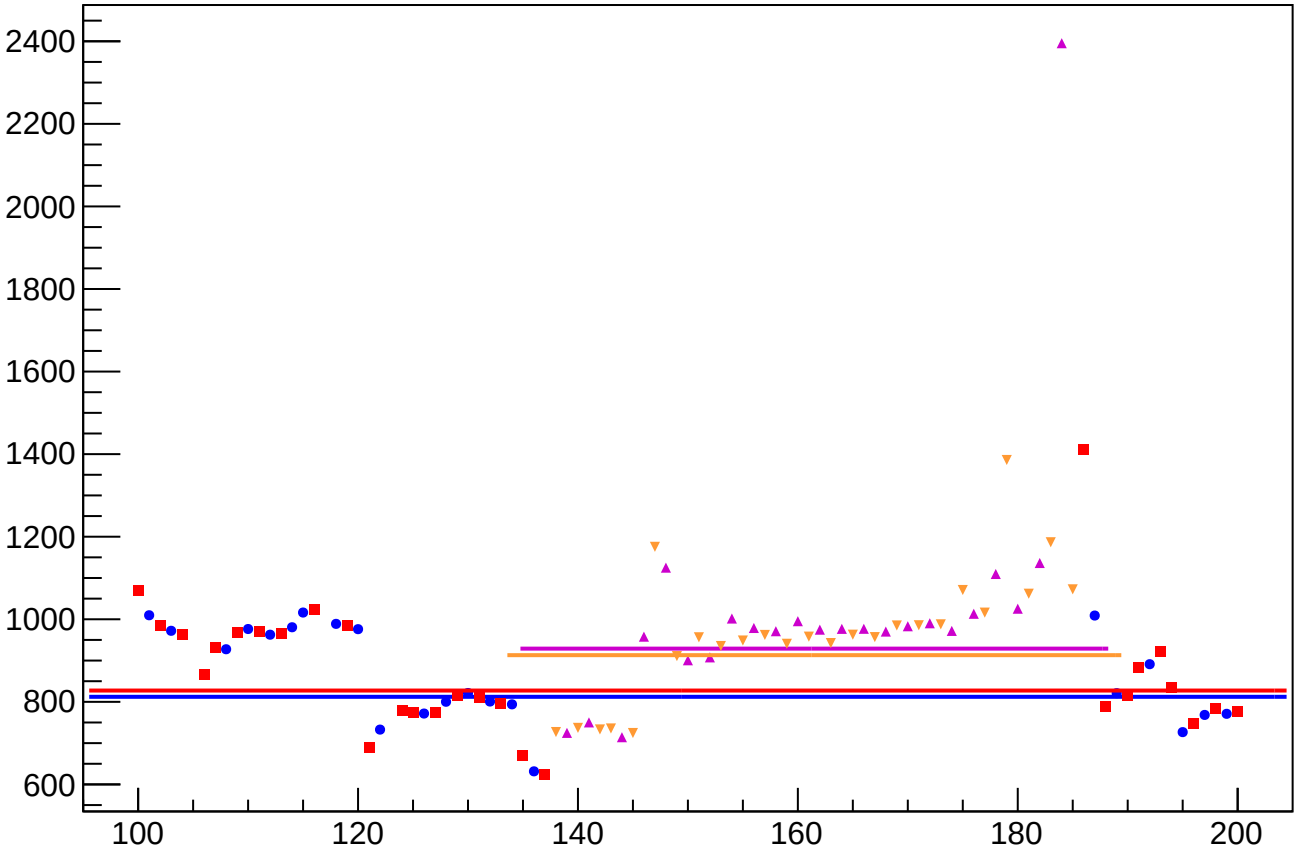
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.068+/-0.159 χ^2/NDF: 53.5/46

All: 0.012+/-0.112 χ^2/NDF: 108.4/97

- sign -0.043+/-0.158 χ^2/NDF: 54.6/50

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 812.205+/-0.171 χ^2/NDF: 433225.4/21

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

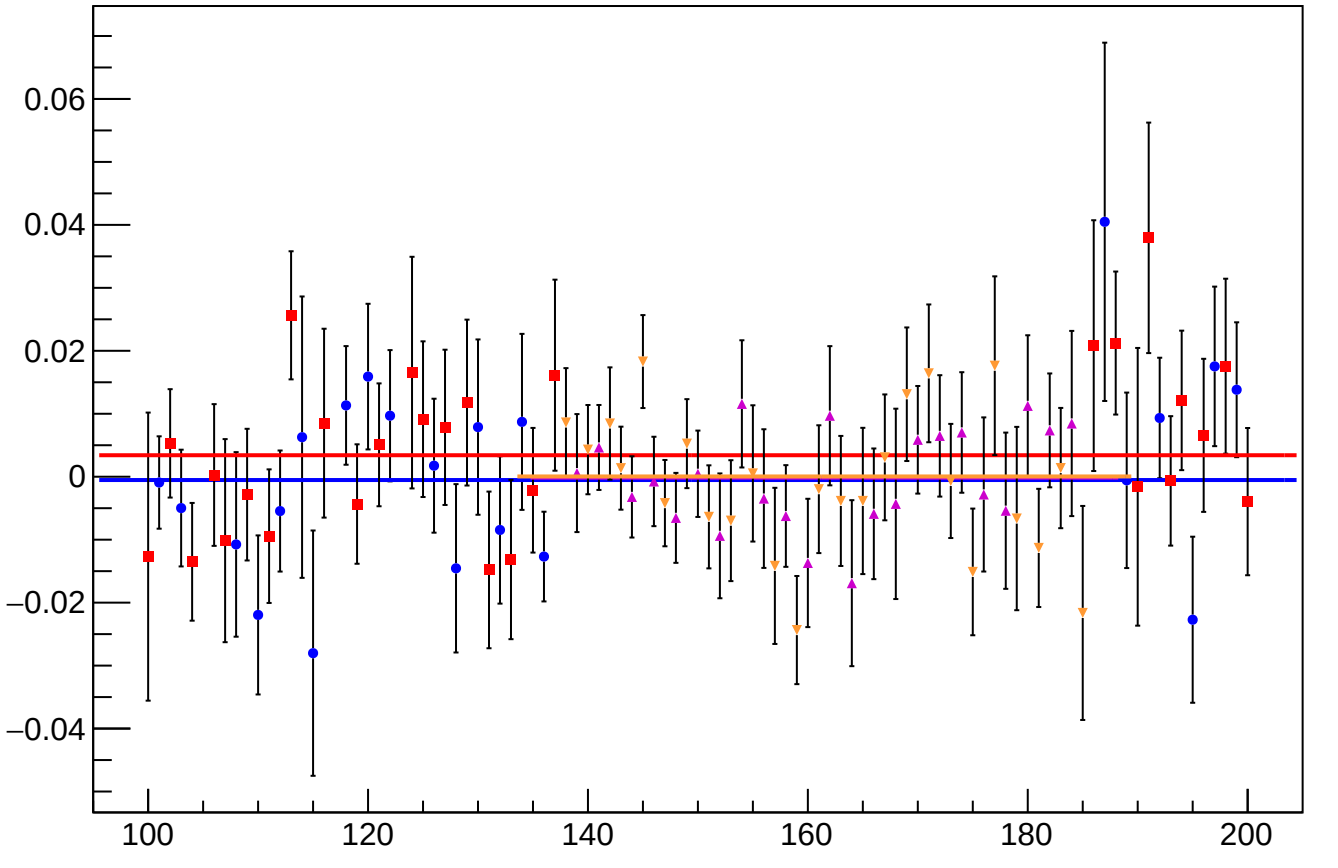
Right Out: 827.392+/-0.160 χ^2/NDF: 517273.9/27

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 869.202+/-0.113 χ^2/NDF: 1519470.6/46

All: 874.264+/-0.079 χ^2/NDF: 3016175.8/97

- sign 879.242+/-0.112 χ^2/NDF: 1492700.1/50



Right In: -0.001+/-0.002 χ^2/NDF: 25.6/21

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 27.3/27

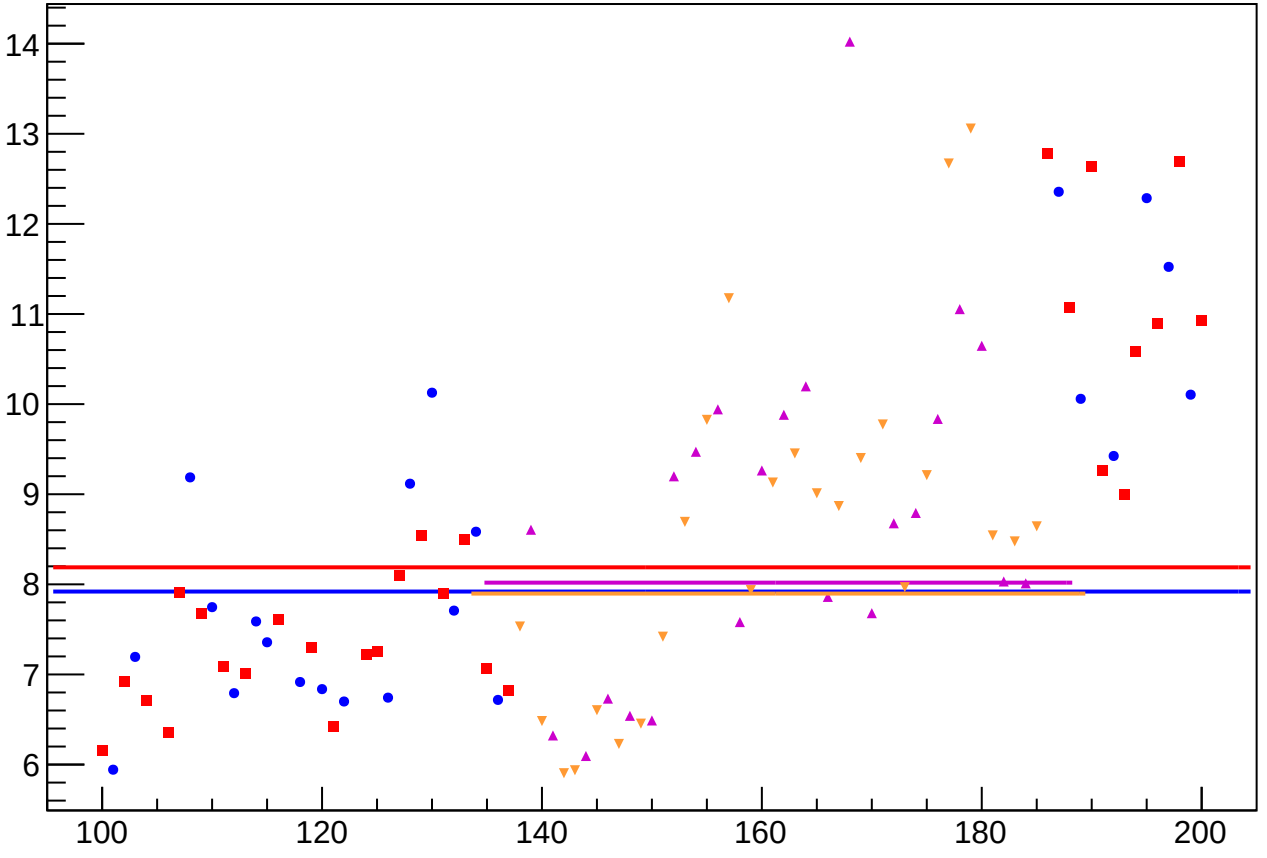
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 56.8/46

All: 0.001+/-0.001 χ^2/NDF: 98.8/97

- sign 0.001+/-0.001 χ^2/NDF: 41.5/50

diff_dispE_bpm12X_rms vs Slug



Right In: 7.920+/-0.002 χ^2/NDF: 1032271.3/21

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

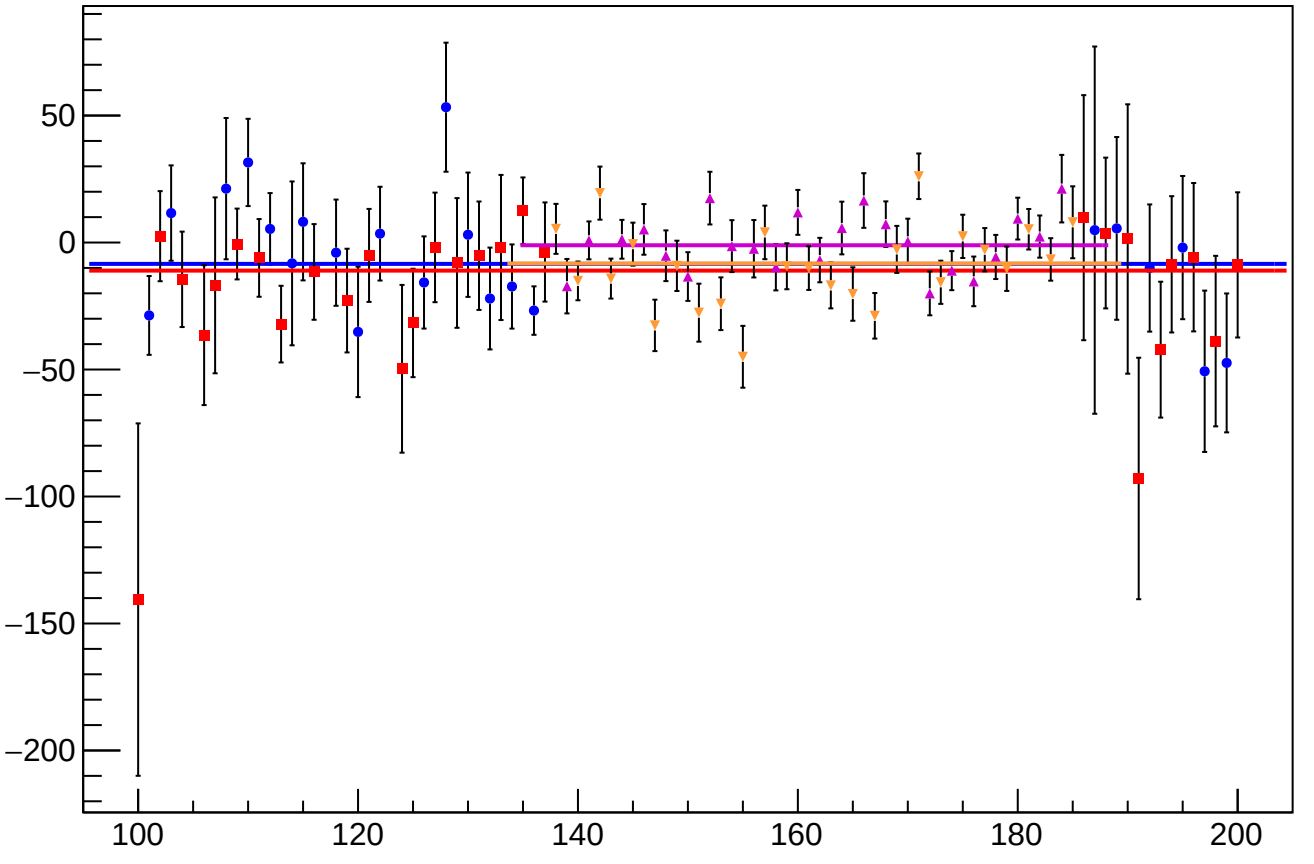
Right Out: 8.189+/-0.002 χ^2/NDF: 1210721.1/27

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.906+/-0.001 χ^2/NDF: 2623251.0/46

All: 7.997+/-0.001 χ^2/NDF: 5311969.4/97

- sign 8.089+/-0.001 χ^2/NDF: 2672977.4/50



Right In: -8.406+/-4.234 χ^2/NDF: 27.2/21

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

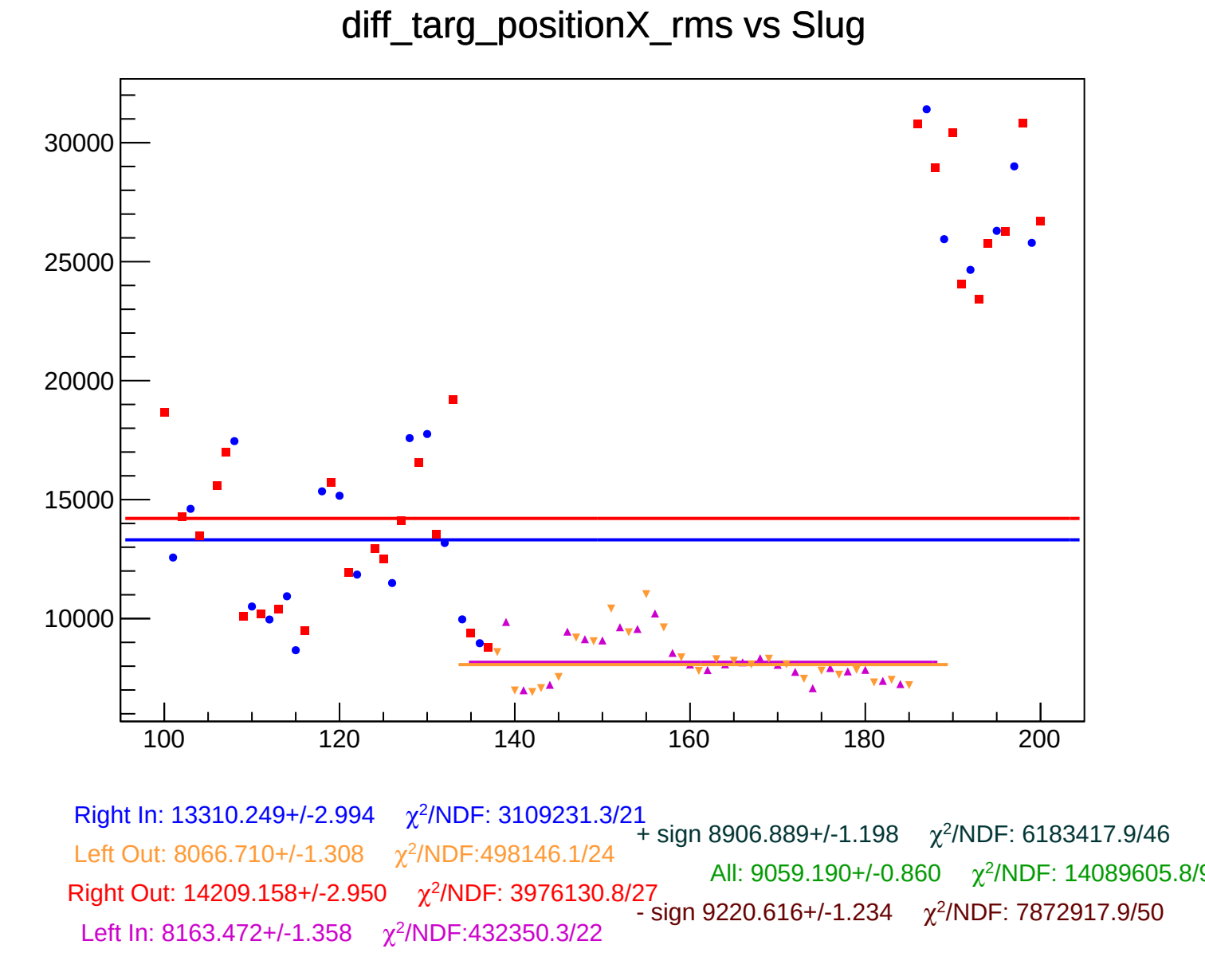
Right Out: -11.051+/-4.173 χ^2/NDF: 19.6/27

Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

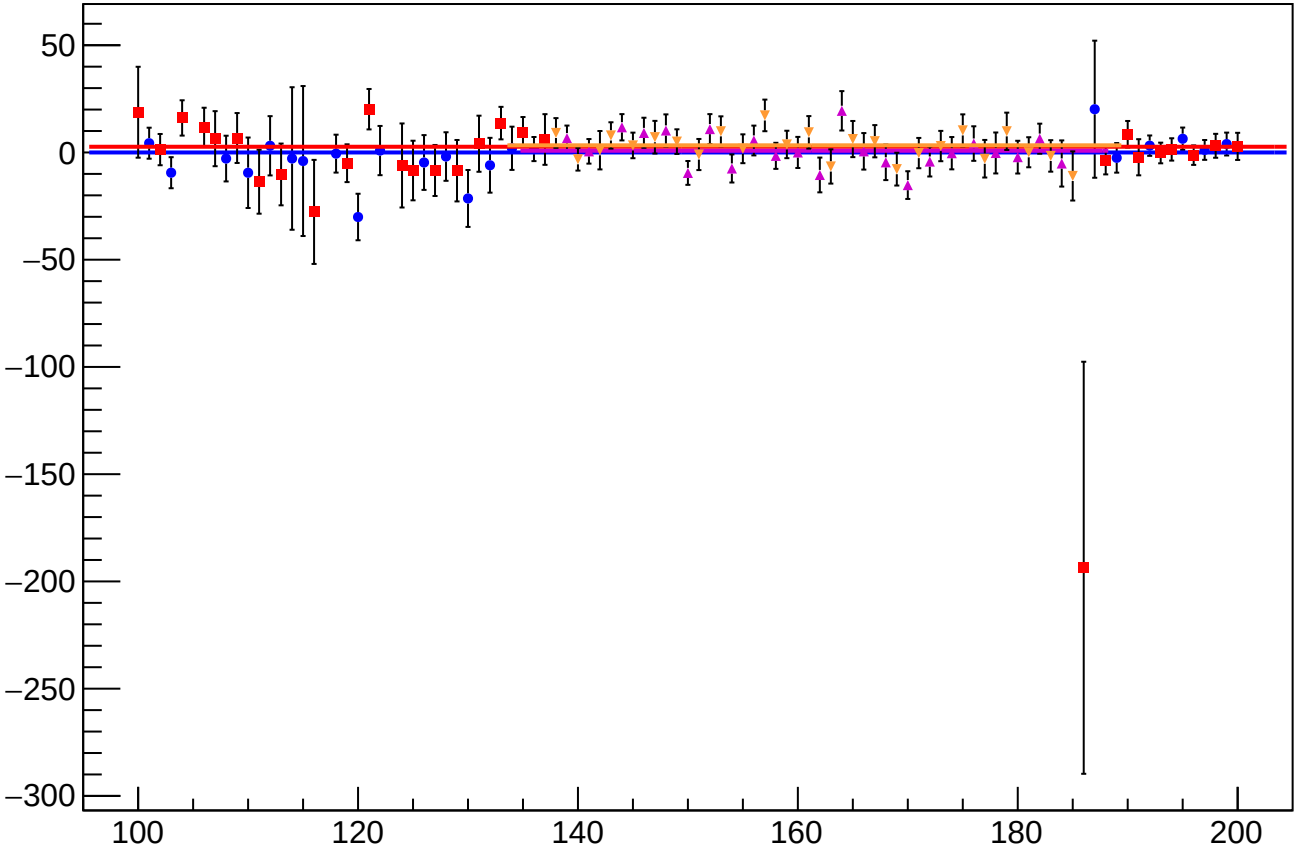
+ sign -8.280+/-1.695 χ^2/NDF: 89.4/46

All: -5.628+/-1.216 χ^2/NDF: 147.6/97

- sign -2.817+/-1.745 χ^2/NDF: 53.2/50


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13310.249+/-2.994 χ²/NDF: 3109231.3/21
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14209.158+/-2.950 χ²/NDF: 3976130.8/27
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 8906.889+/-1.198 χ²/NDF: 6183417.9/46
All: 9059.190+/-0.860 χ²/NDF: 14089605.8/9
- sign 9220.616+/-1.234 χ²/NDF: 7872917.9/50

diff_targ_positionY_mean vs Slug



Right In: -0.005+/-1.718 χ^2/NDF: 16.4/21

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.660+/-1.549 χ^2/NDF: 25.3/27

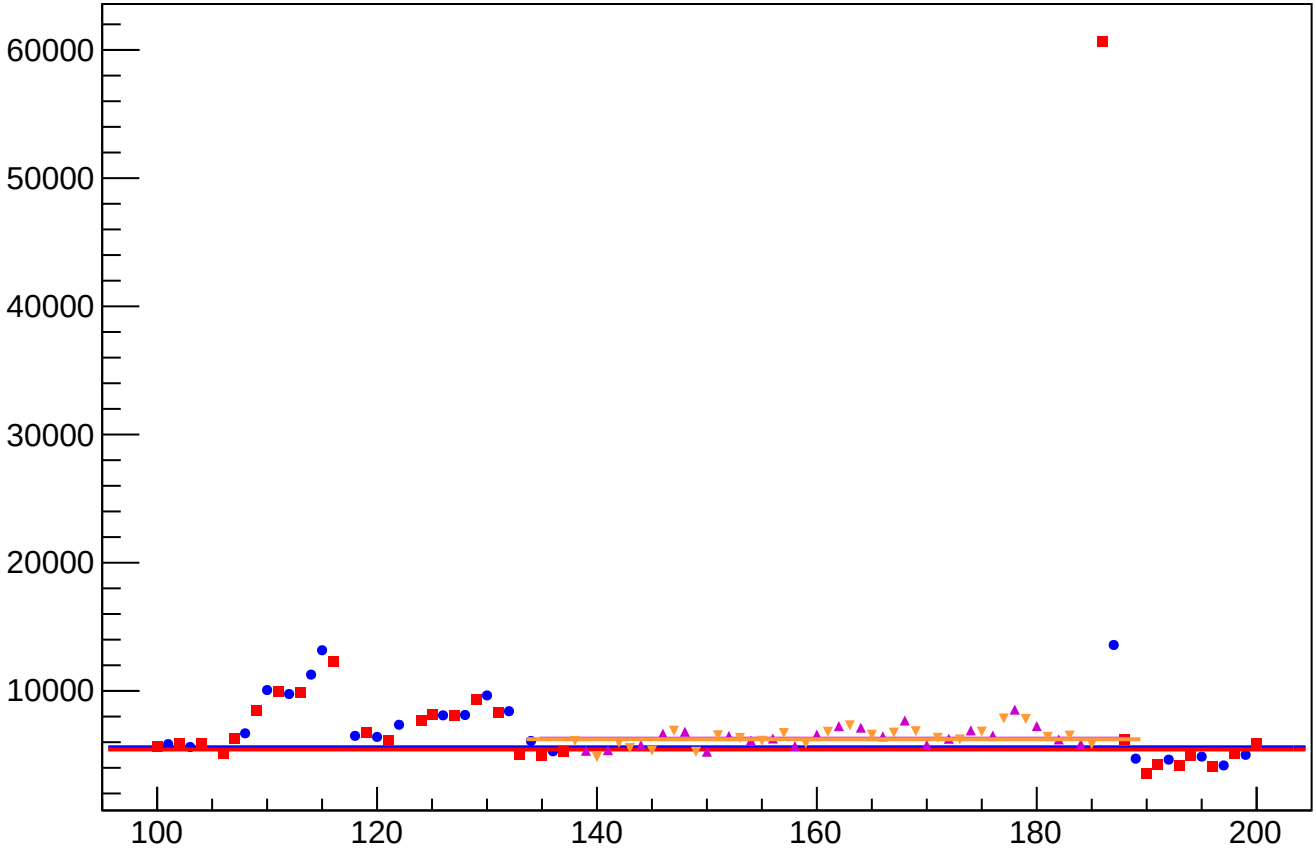
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.965+/-1.099 χ^2/NDF: 35.6/46

All: 1.821+/-0.767 χ^2/NDF: 91.1/97

- sign 1.685+/-1.069 χ^2/NDF: 55.5/50

diff_targ_positionY_rms vs Slug



Right In: 5599.953+/-1.215 χ^2/NDF: 1541942.6/21

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5431.847+/-1.095 χ^2/NDF: 2457680.5/27

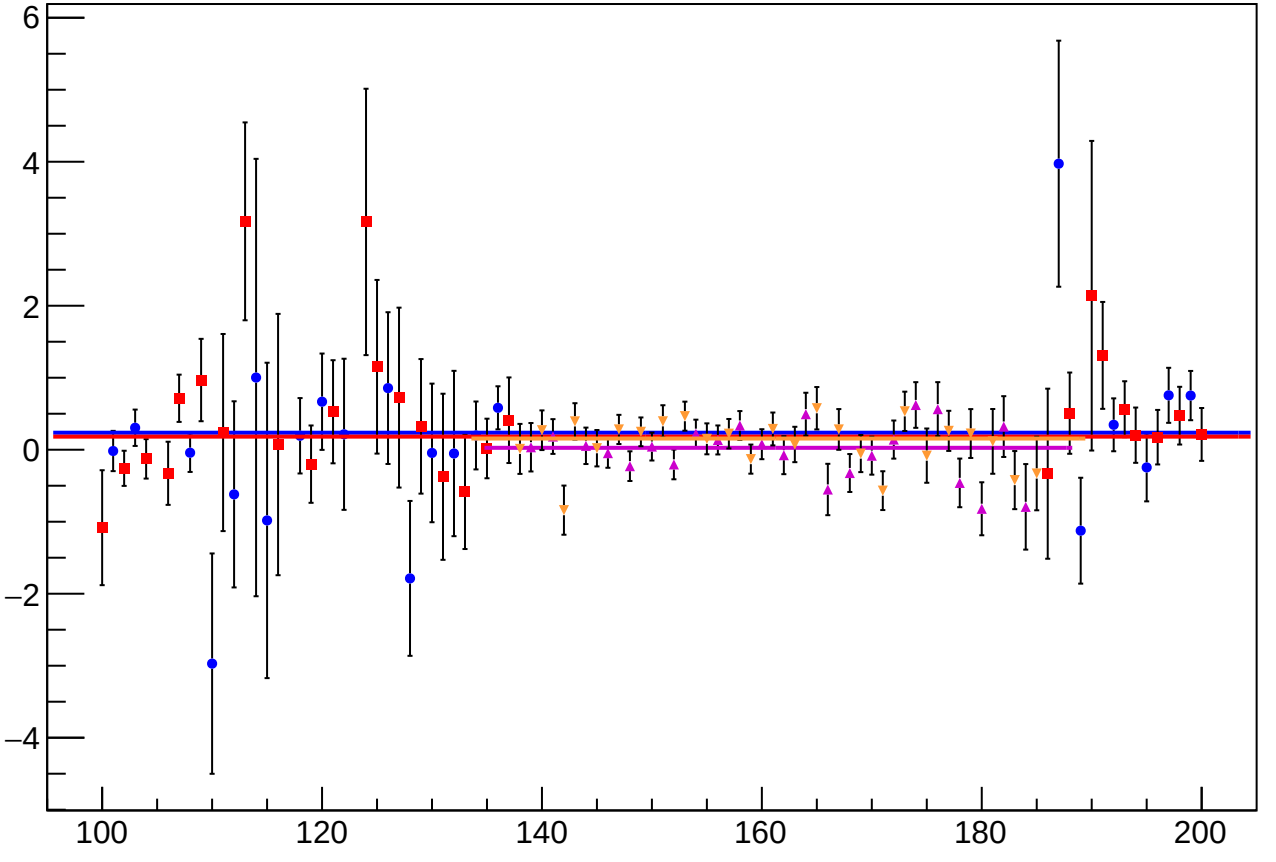
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5972.590+/-0.777 χ^2/NDF: 2233832.1/46

All: 5920.270+/-0.542 χ^2/NDF: 5512102.0/97

- sign 5870.755+/-0.756 χ^2/NDF: 3269452.9/50

diff_targ_thetaX_mean vs Slug



Right In: 0.236+/-0.100 χ^2/NDF: 26.4/21

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.182+/-0.095 χ^2/NDF: 28.5/27

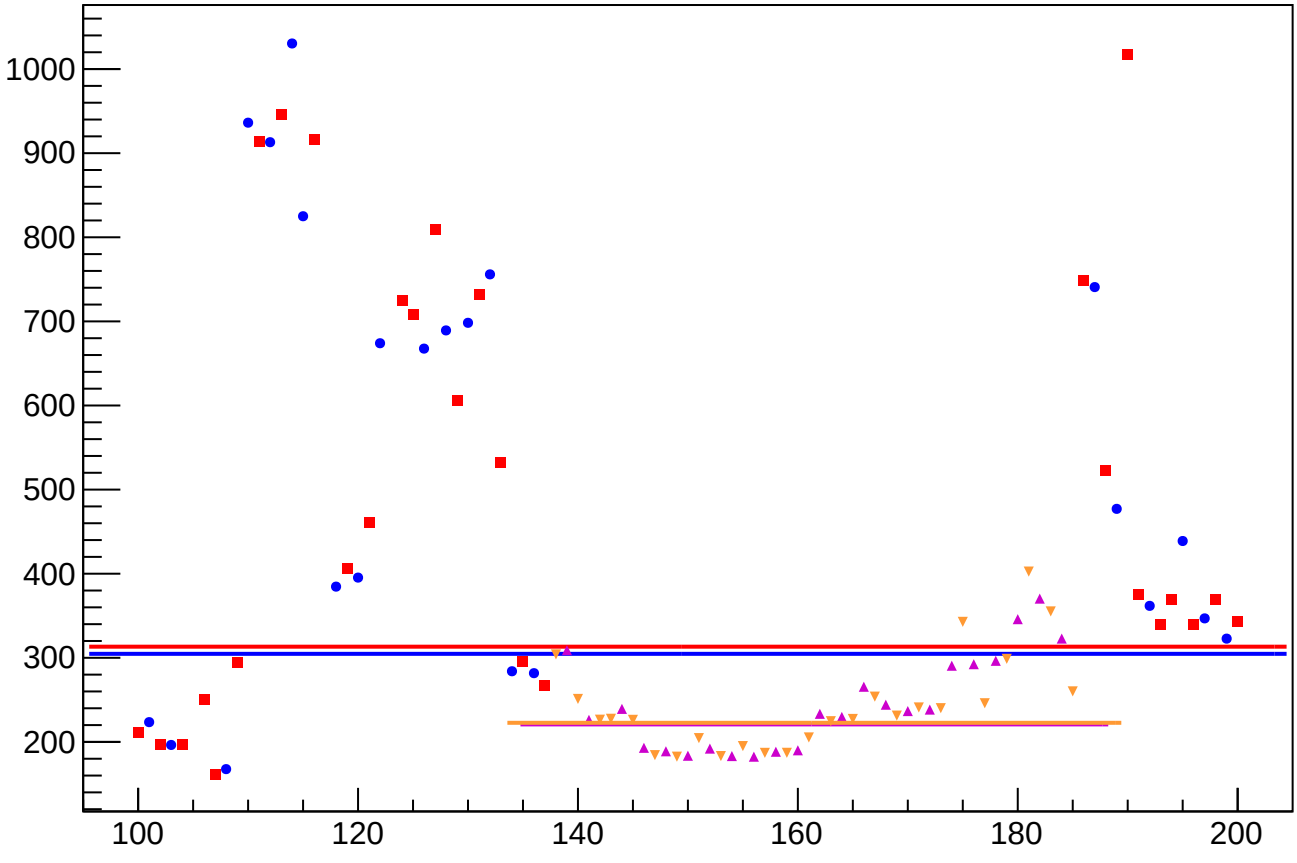
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.173+/-0.046 χ^2/NDF: 59.2/46

All: 0.118+/-0.033 χ^2/NDF: 122.4/97

- sign 0.063+/-0.046 χ^2/NDF: 60.3/50

diff_targ_thetaX_rms vs Slug



Right In: 304.726+/-0.071 χ^2/NDF: 4038207.1/21

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 313.233+/-0.068 χ^2/NDF: 4644207.6/27

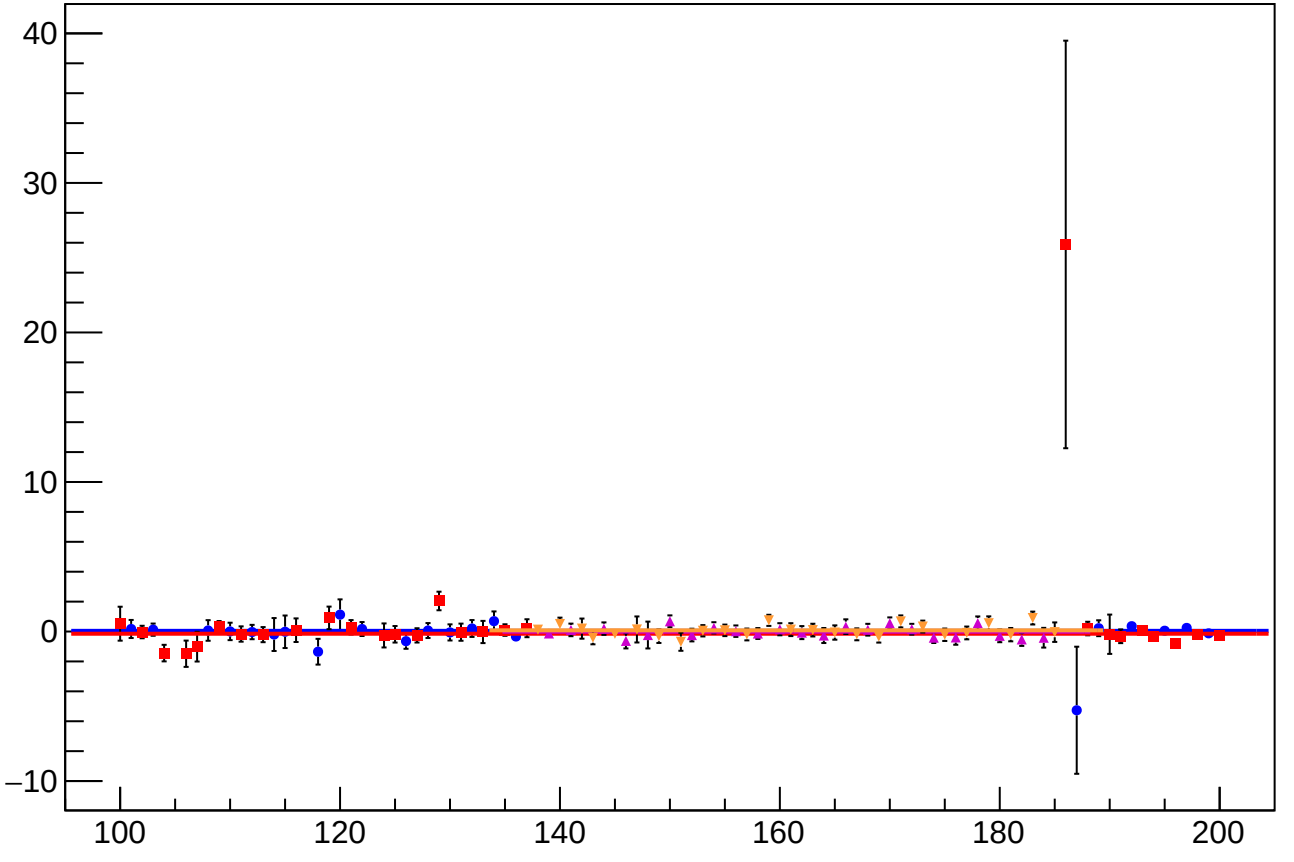
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 240.054+/-0.033 χ^2/NDF: 6544043.5/46

All: 241.300+/-0.023 χ^2/NDF: 14096088.6/97

- sign 242.558+/-0.033 χ^2/NDF: 7549108.9/50

diff_targ_thetaY_mean vs Slug



Right In: 0.046+/-0.094 χ^2/NDF: 12.6/21

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.148+/-0.087 χ^2/NDF: 37.8/27

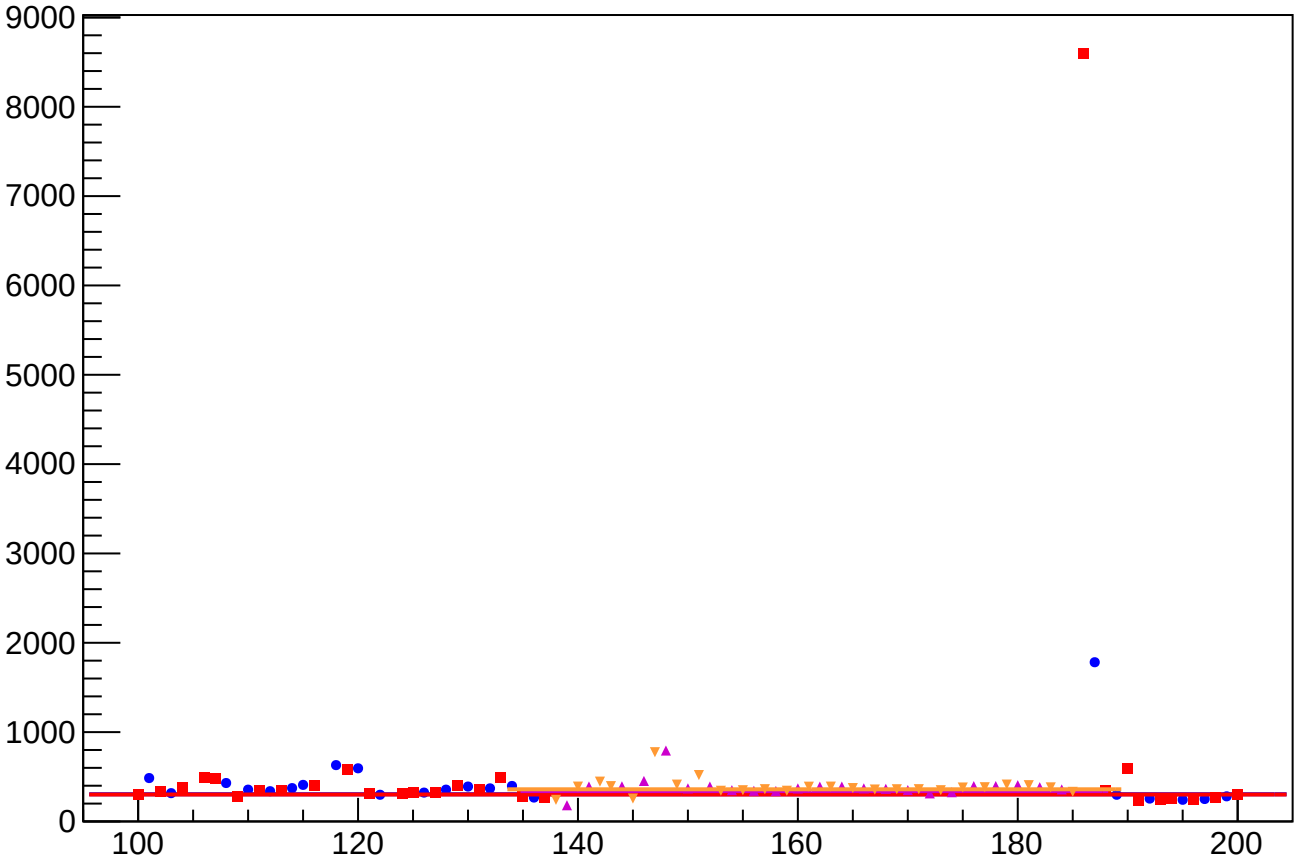
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.064+/-0.063 χ^2/NDF: 31.7/46

All: -0.008+/-0.043 χ^2/NDF: 88.7/97

- sign -0.075+/-0.060 χ^2/NDF: 54.4/50

diff_targ_thetaY_rms vs Slug



Right In: 304.565+/-0.067 χ^2/NDF: 1435185.6/21

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

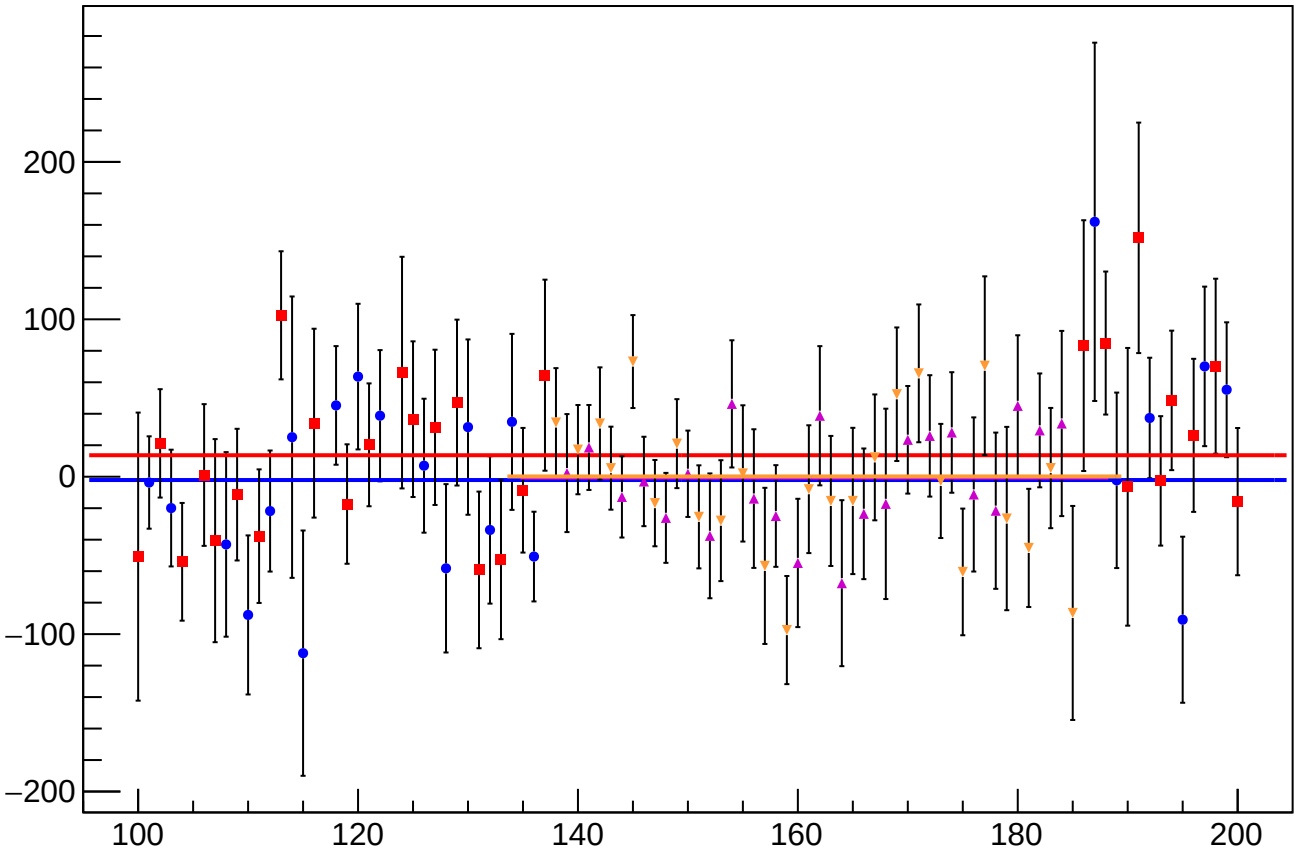
Right Out: 301.615+/-0.061 χ^2/NDF: 1936440.8/27

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 335.318+/-0.044 χ^2/NDF: 3160404.5/46

All: 328.213+/-0.031 χ^2/NDF: 7575652.5/97

- sign 321.736+/-0.042 χ^2/NDF: 4366288.9/50



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

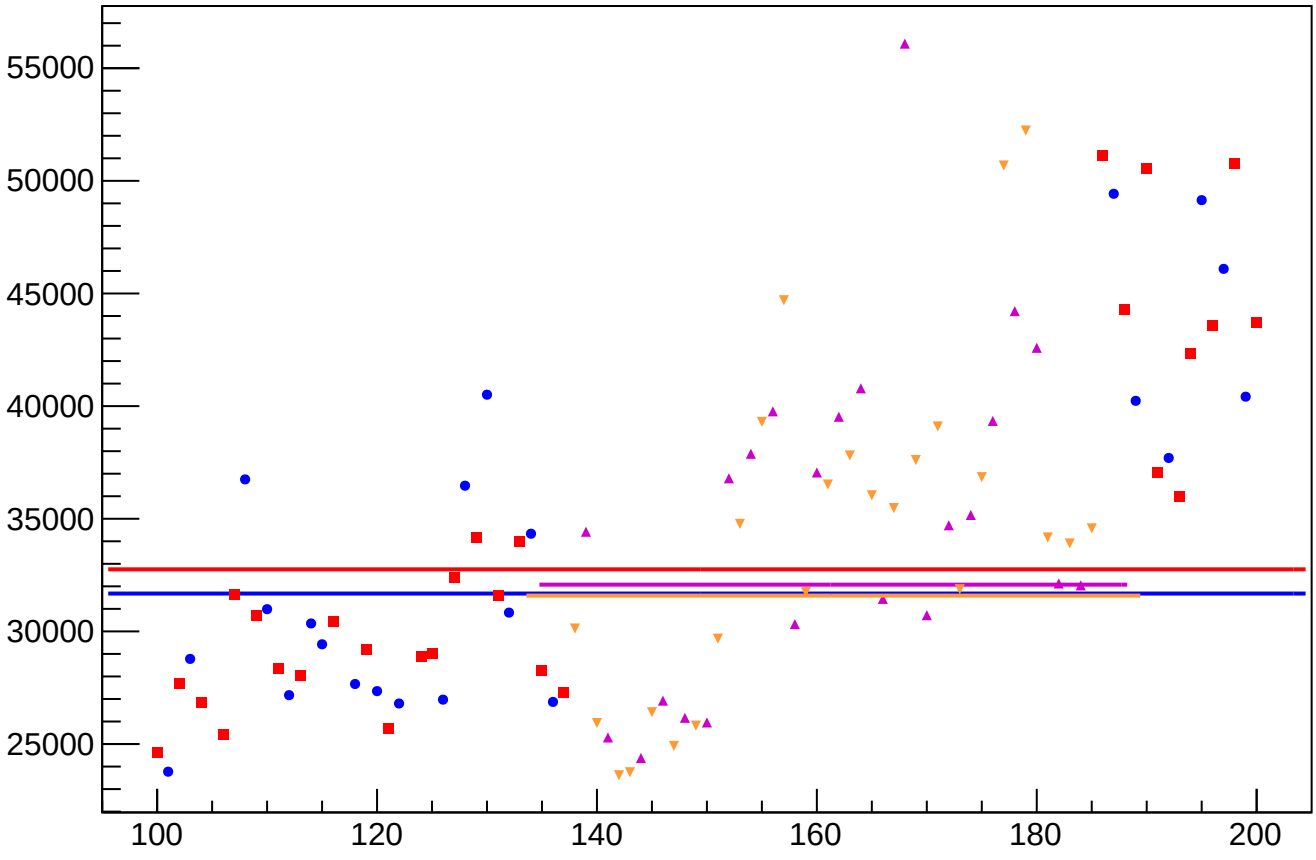
Right Out: 13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.678+/-5.844 χ^2/NDF: 56.8/46

All: 2.319+/-4.138 χ^2/NDF: 98.8/97

- sign 5.332+/-5.861 χ^2/NDF: 41.5/50



Right In: 31680.300+/-6.776 χ^2/NDF: 1032271.3/21

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 32755.189+/-6.428 χ^2/NDF: 1210721.1/27

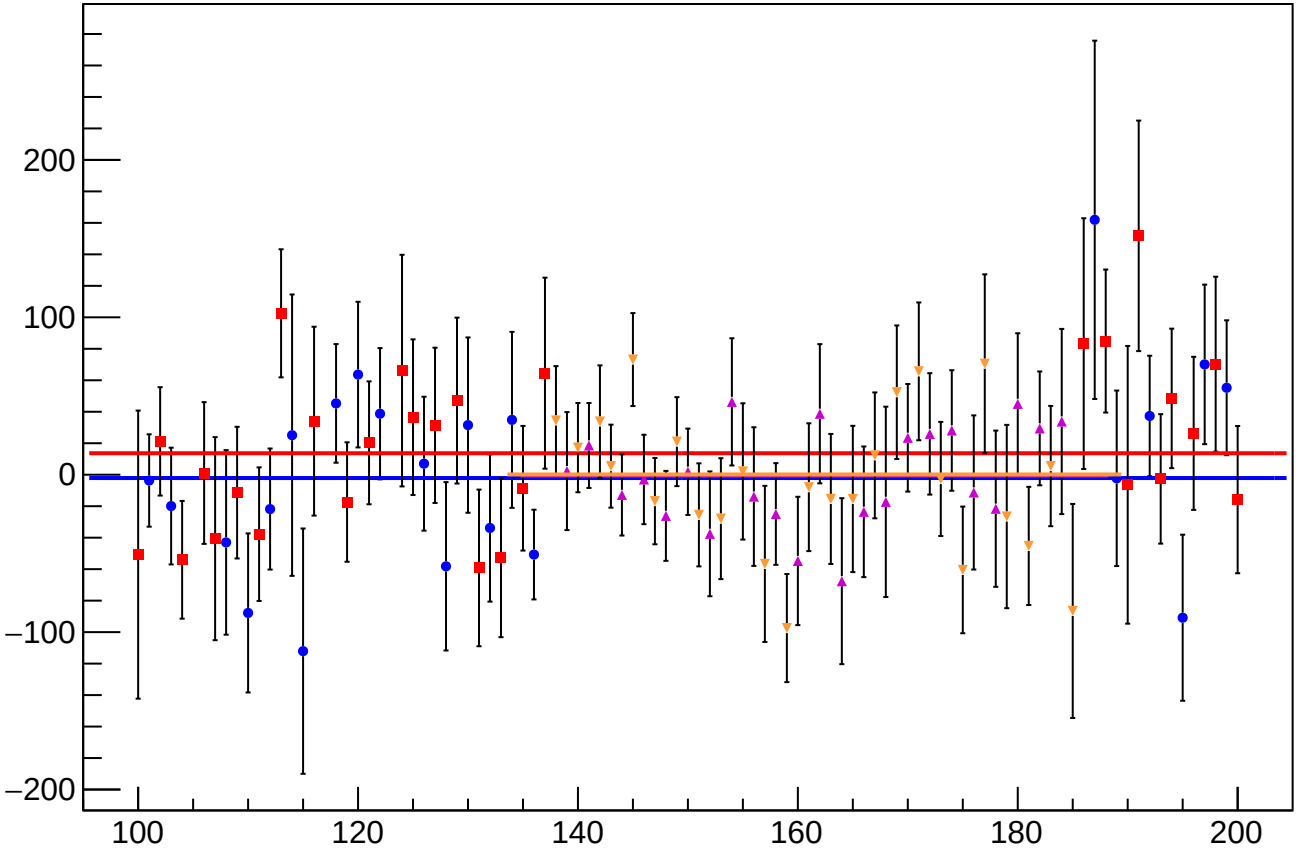
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31623.491+/-4.133 χ^2/NDF: 2623251.0/46

All: 31989.598+/-2.926 χ^2/NDF: 5311969.4/9

- sign 32357.772+/-4.144 χ^2/NDF: 2672977.4/50

diff_bpmEX_mean vs Slug



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

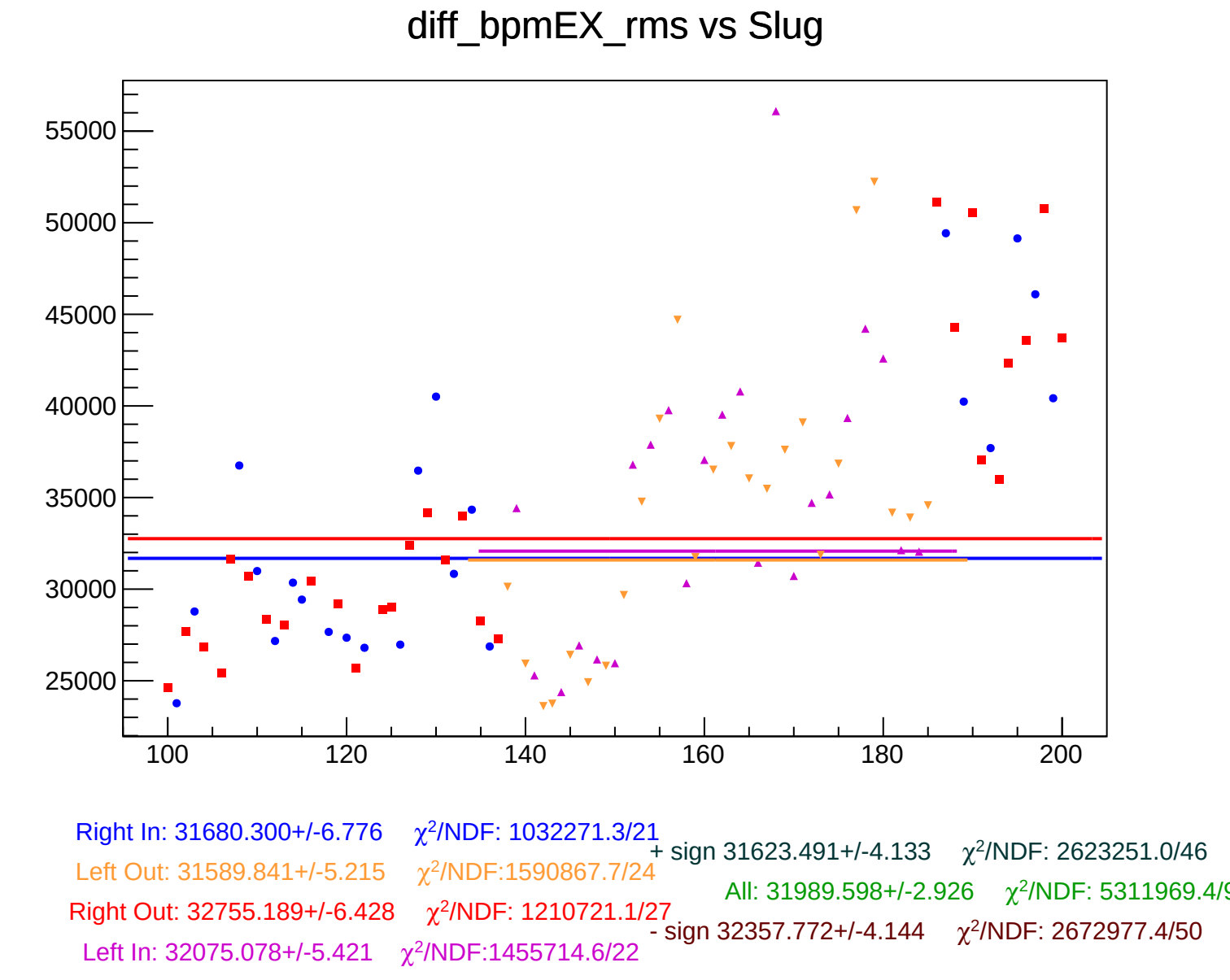
Right Out: 13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

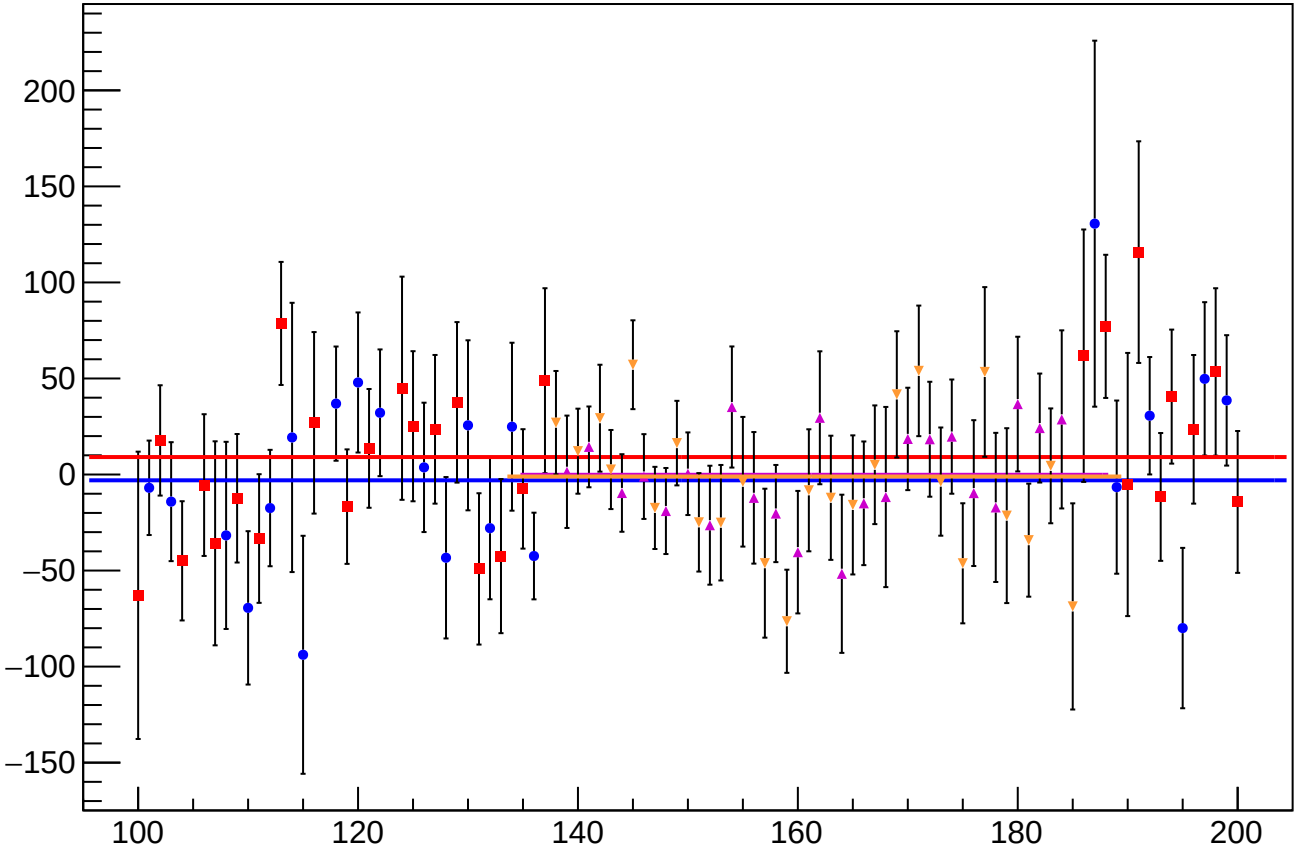
+ sign -0.678+/-5.844 χ^2/NDF: 56.8/46

All: 2.319+/-4.138 χ^2/NDF: 98.8/97

- sign 5.332+/-5.861 χ^2/NDF: 41.5/50


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31623.491+/-4.133 χ²/NDF: 2623251.0/46
All: 31989.598+/-2.926 χ²/NDF: 5311969.4/9
- sign 32357.772+/-4.144 χ²/NDF: 2672977.4/50

diff_bpmE_11X12X_mean vs Slug



Right In: -3.019+/-7.665 χ^2/NDF: 25.8/21

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 9.091+/-7.266 χ^2/NDF: 28.7/27

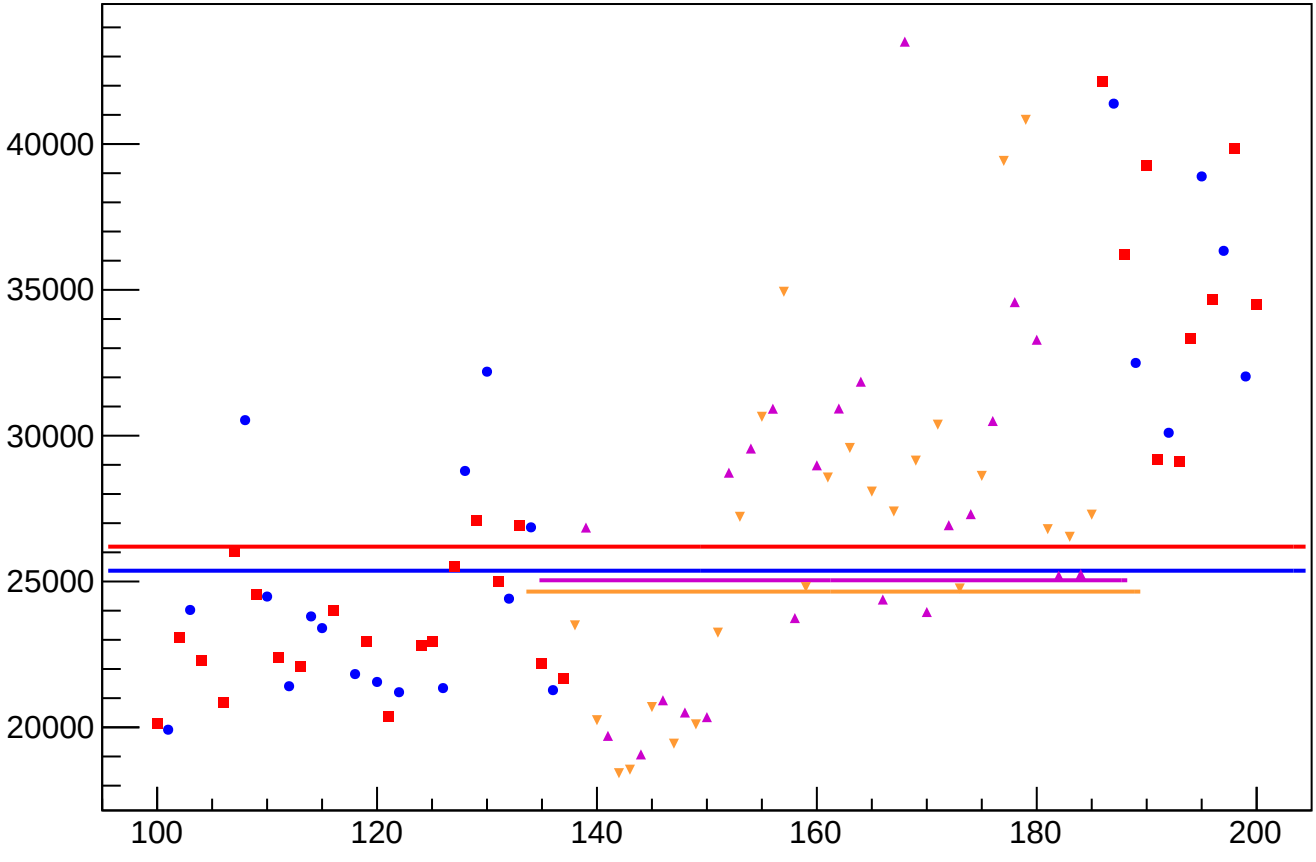
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -1.754+/-4.602 χ^2/NDF: 58.1/46

All: 0.906+/-3.260 χ^2/NDF: 100.6/97

- sign 3.587+/-4.620 χ^2/NDF: 41.8/50

diff_bpmE_11X12X_rms vs Slug



Right In: 25369.997+/-5.420 χ^2/NDF: 995935.0/21

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 26195.073+/-5.138 χ^2/NDF: 1181676.4/27

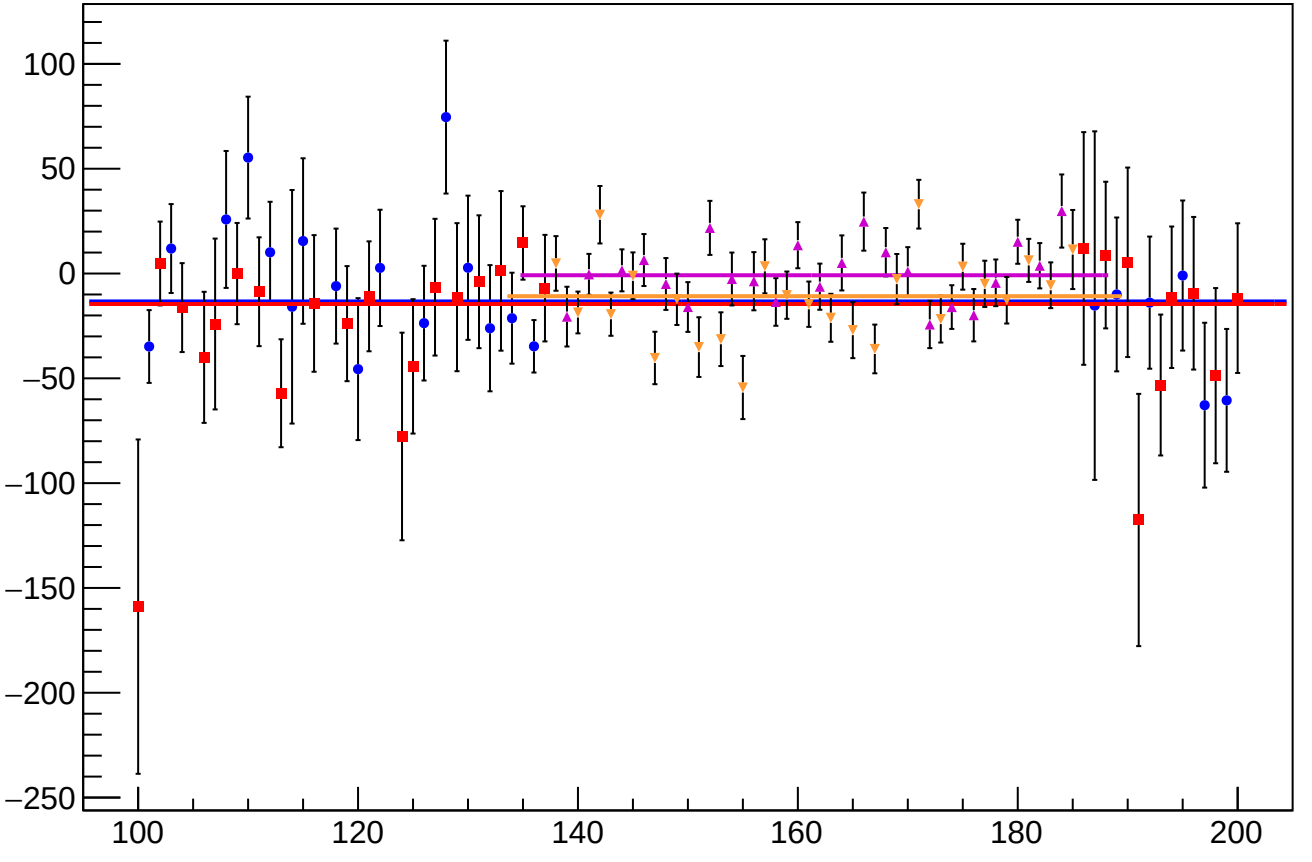
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24912.080+/-3.254 χ^2/NDF: 2589805.3/46

All: 25208.930+/-2.305 χ^2/NDF: 5259838.2/9

- sign 25508.046+/-3.267 χ^2/NDF: 2653326.1/50

diff_bpm4aesumX_mean vs Slug



Right In: -13.326+/-5.719 χ^2/NDF: 25.8/21

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -14.536+/-5.742 χ^2/NDF: 19.7/27

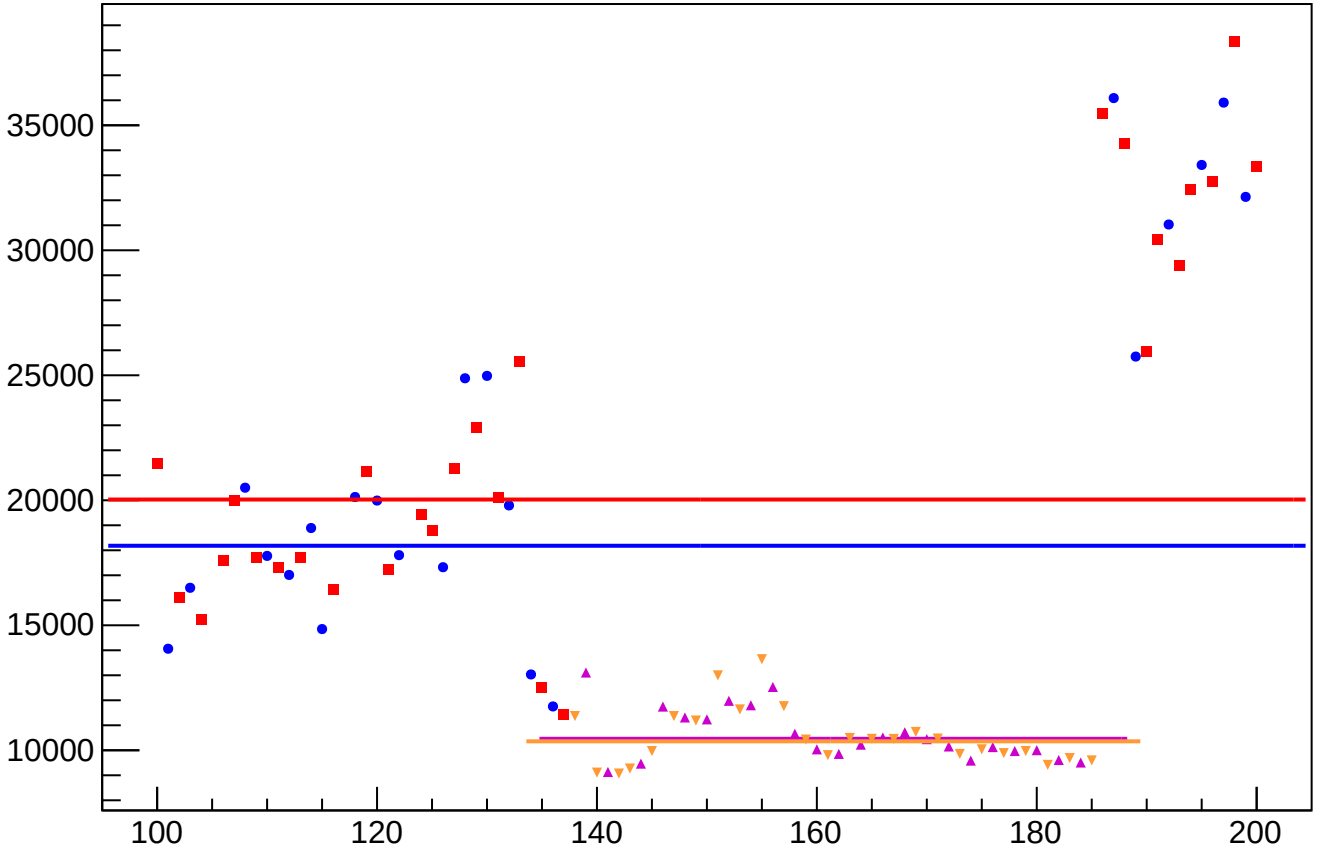
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.189+/-2.190 χ^2/NDF: 87.2/46

All: -7.197+/-1.572 χ^2/NDF: 148.0/97

- sign -2.948+/-2.259 χ^2/NDF: 53.9/50

diff_bpm4aesumX_rms vs Slug



Right In: 18181.051+/-4.044 χ^2/NDF: 2578976.8/21

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20030.727+/-4.060 χ^2/NDF: 2871833.8/27

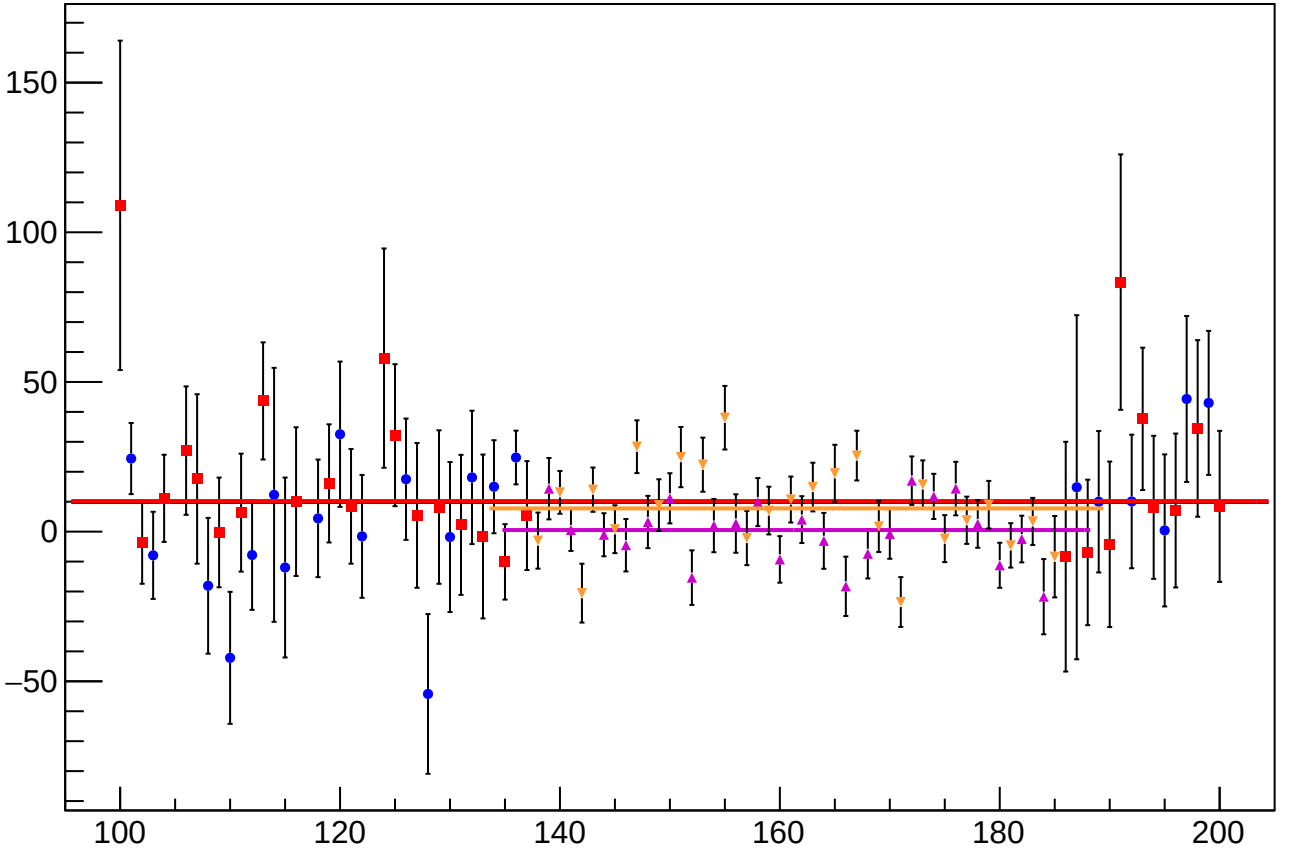
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11505.332+/-1.548 χ^2/NDF: 6135898.0/46

All: 11716.206+/-1.112 χ^2/NDF: 14058676.8

- sign 11940.618+/-1.597 χ^2/NDF: 7884490.9/50

diff_bpm4aediffX_mean vs Slug



Right In: 9.897+/-4.089 χ^2/NDF: 25.5/21

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 10.219+/-4.114 χ^2/NDF: 19.9/27

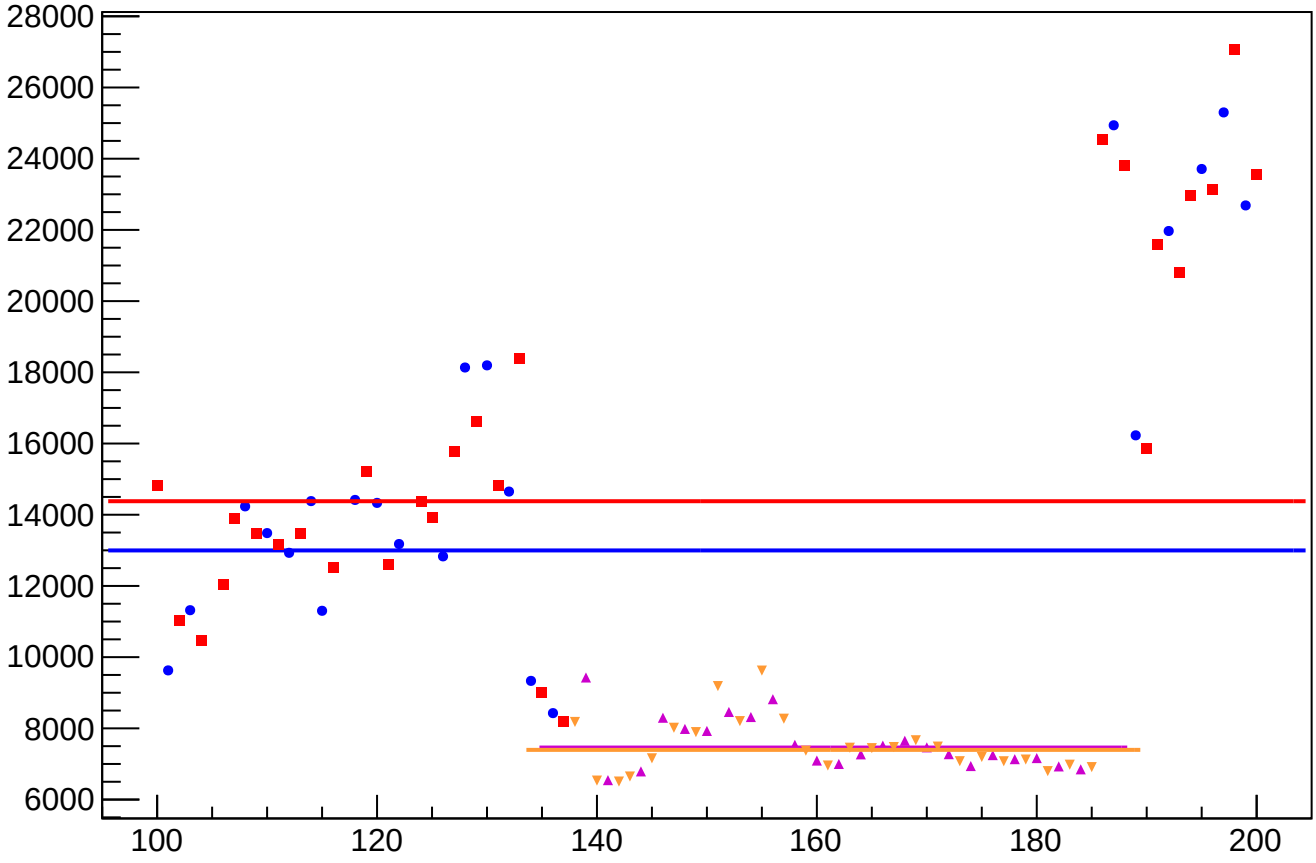
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.075+/-1.563 χ^2/NDF: 86.7/46

All: 5.140+/-1.122 χ^2/NDF: 148.0/97

- sign 2.019+/-1.612 χ^2/NDF: 54.0/50

diff_bpm4aediffX_rms vs Slug



Right In: 12997.367+/-2.891 χ^2/NDF: 2542542.2/21

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14379.845+/-2.909 χ^2/NDF: 2776050.1/27

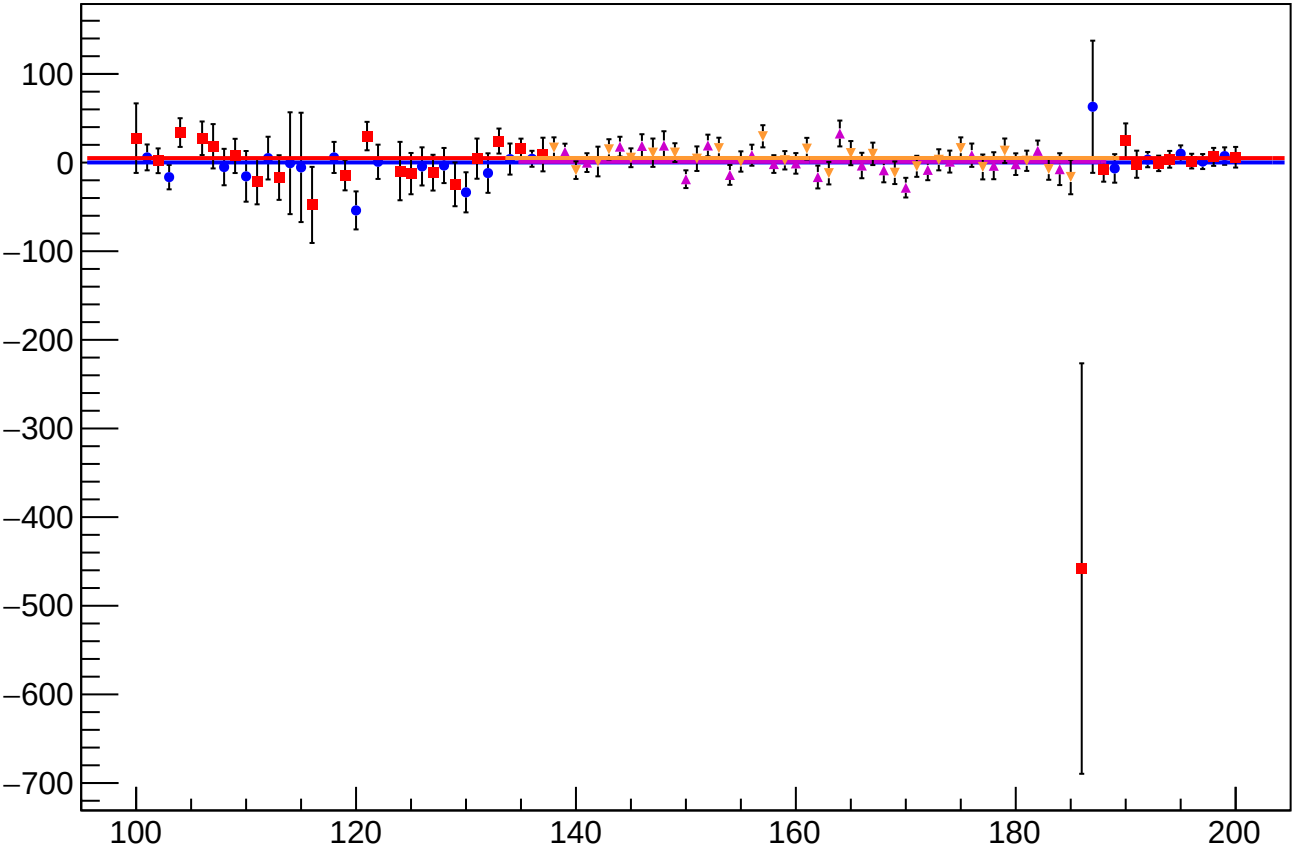
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8214.110+/-1.105 χ^2/NDF: 6071879.6/46

All: 8363.879+/-0.793 χ^2/NDF: 13959314.6/9

- sign 8523.155+/-1.140 χ^2/NDF: 7849543.2/50

diff_bpm4aesumY_mean vs Slug



Right In: 0.142+/-3.142 χ^2/NDF: 14.0/21

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.048+/-2.884 χ^2/NDF: 24.6/27

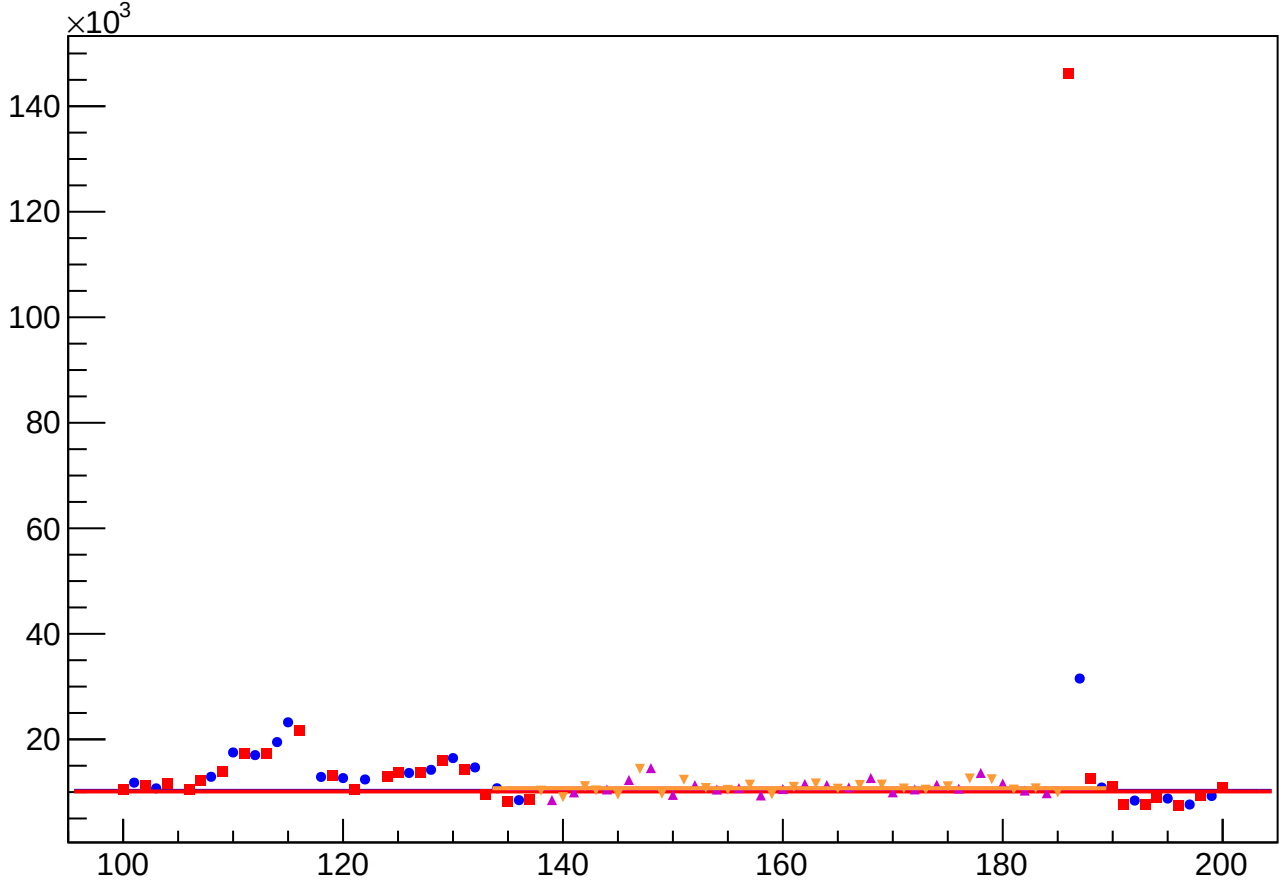
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.265+/-1.936 χ^2/NDF: 34.0/46

All: 2.972+/-1.355 χ^2/NDF: 91.6/97

- sign 2.690+/-1.897 χ^2/NDF: 57.6/50

diff_bpm4aesumY_rms vs Slug



Right In: 10235.636+/-2.222 χ^2/NDF: 1533555.0/21

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

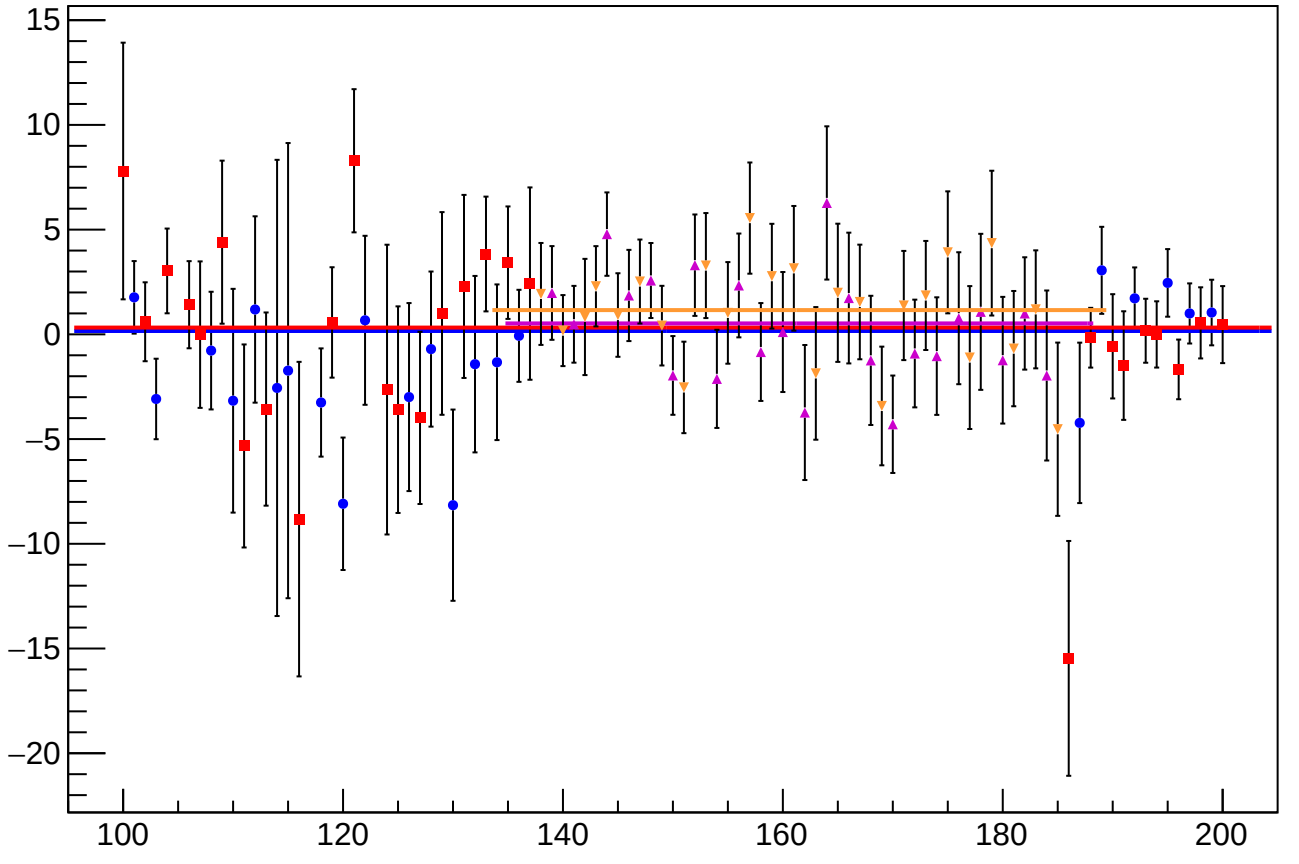
Right Out: 10124.079+/-2.039 χ^2/NDF: 2262588.5/27

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10544.570+/-1.369 χ^2/NDF: 1933003.5/46

All: 10490.113+/-0.958 χ^2/NDF: 4740997.9/9

- sign 10437.854+/-1.341 χ^2/NDF: 2804894.8/50



Right In: 0.160+/-0.521 χ^2/NDF: 24.2/21

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.323+/-0.466 χ^2/NDF: 29.7/27

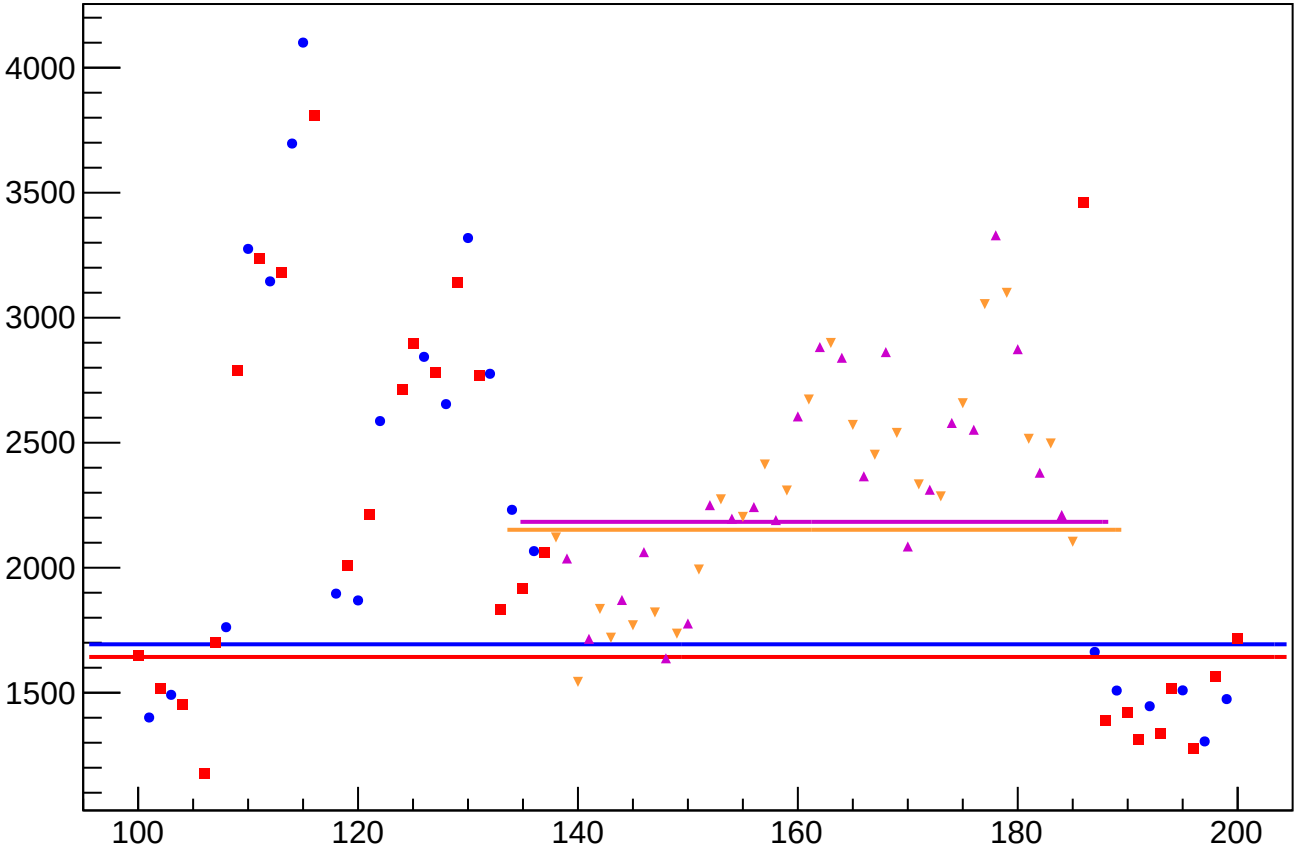
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.679+/-0.361 χ^2/NDF: 42.9/46

All: 0.540+/-0.250 χ^2/NDF: 95.3/97

- sign 0.412+/-0.347 χ^2/NDF: 52.1/50

diff_bpm4aediffY_rms vs Slug



Right In: 1693.699+/-0.368 χ^2/NDF: 1785701.9/21

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1643.038+/-0.330 χ^2/NDF: 2255123.8/27

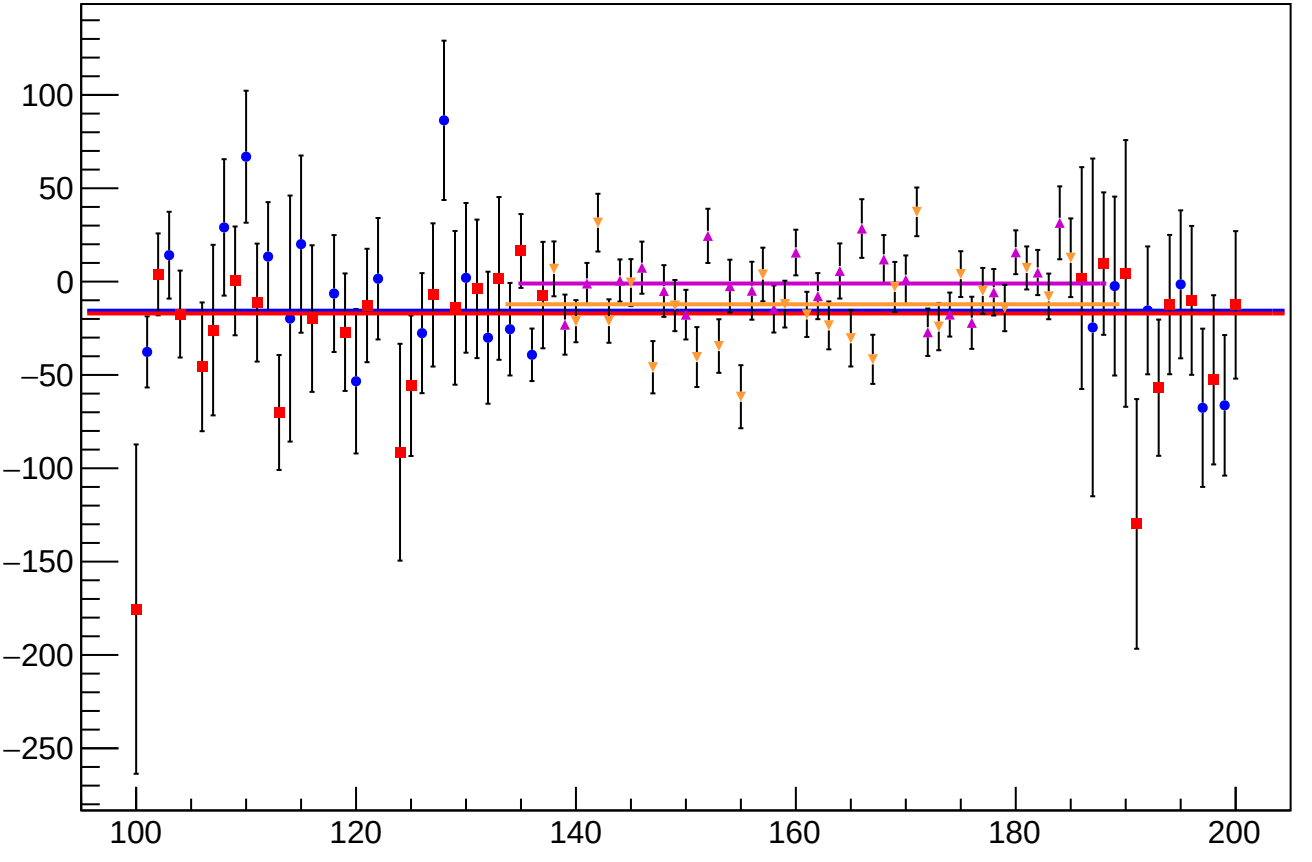
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1931.978+/-0.255 χ^2/NDF: 3940174.7/46

All: 1907.025+/-0.177 χ^2/NDF: 8574062.9/97

- sign 1883.924+/-0.245 χ^2/NDF: 4615457.0/50

diff_bpmtargetsumX_mean vs Slug



Right In: -15.581+/-6.514 χ^2/NDF: 25.5/21

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

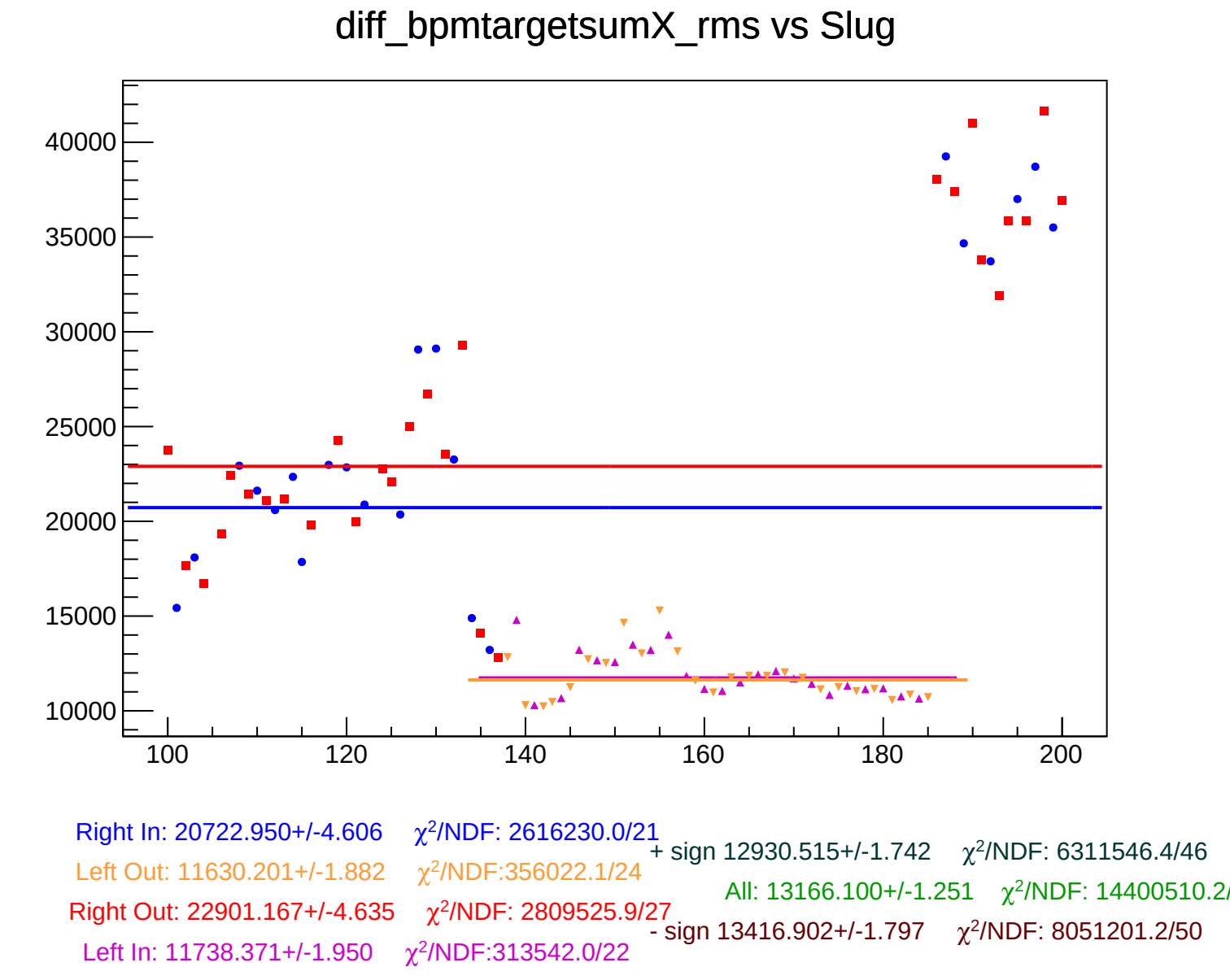
Right Out: -17.061+/-6.555 χ^2/NDF: 19.8/27

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

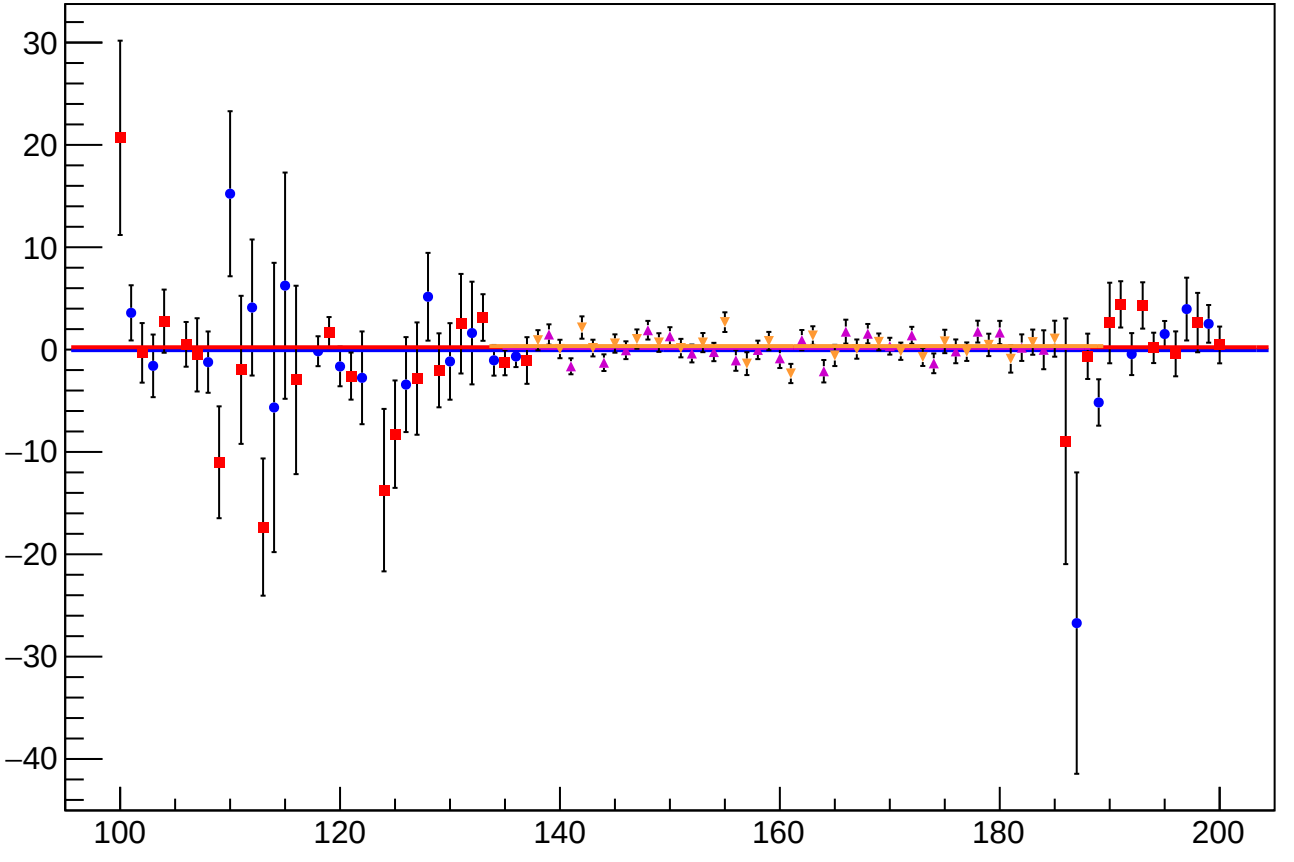
+ sign -12.627+/-2.463 χ^2/NDF: 88.4/46

All: -8.175+/-1.769 χ^2/NDF: 148.8/97

- sign -3.435+/-2.542 χ^2/NDF: 53.7/50


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 20722.950+/-4.606 χ²/NDF: 2616230.0/21
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 22901.167+/-4.635 χ²/NDF: 2809525.9/27
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 12930.515+/-1.742 χ²/NDF: 6311546.4/46
All: 13166.100+/-1.251 χ²/NDF: 14400510.2/
- sign 13416.902+/-1.797 χ²/NDF: 8051201.2/50

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.054+/-0.486 χ^2/NDF: 24.3/21

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.227+/-0.485 χ^2/NDF: 37.8/27

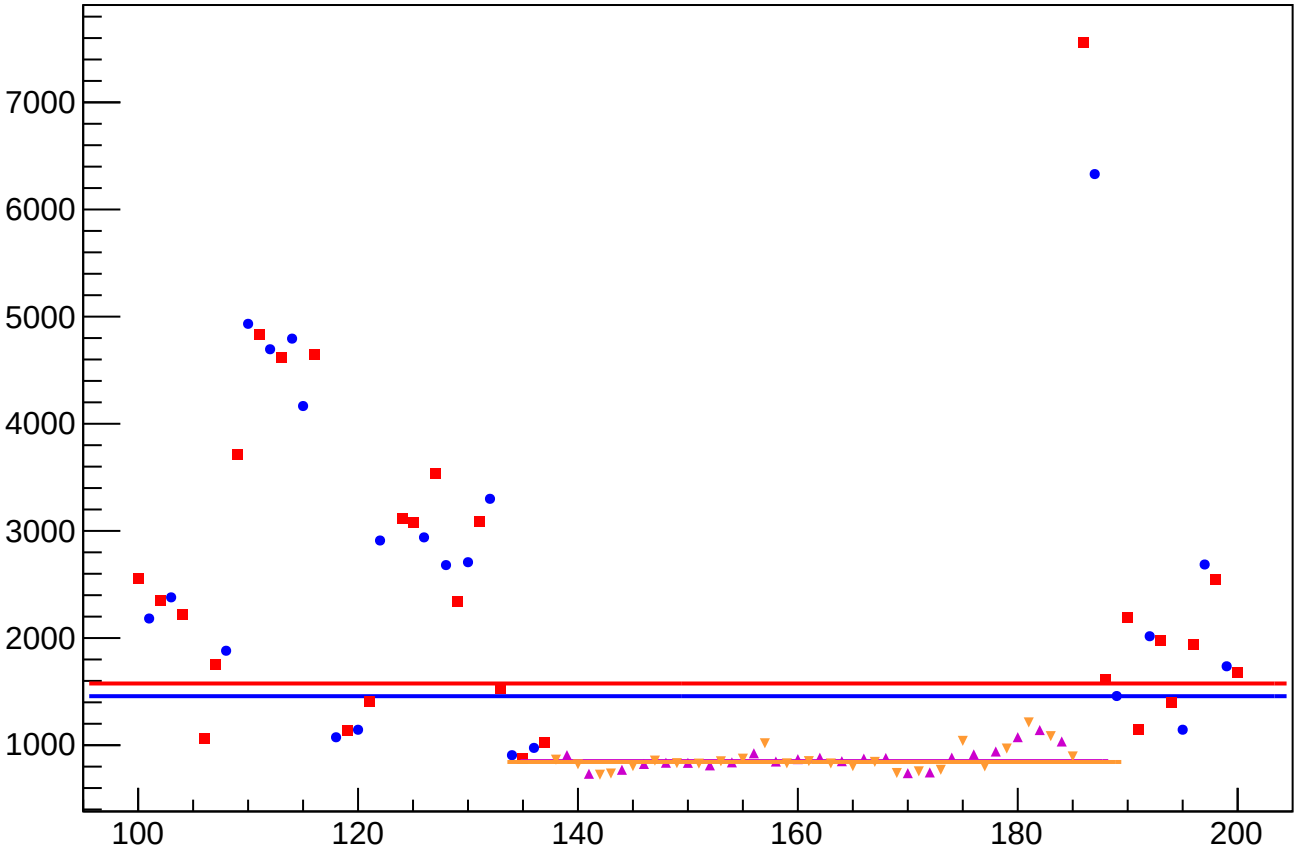
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.288+/-0.180 χ^2/NDF: 51.7/46

All: 0.233+/-0.129 χ^2/NDF: 126.1/97

- sign 0.174+/-0.186 χ^2/NDF: 74.2/50

diff_bpmtargetdiffX_rms vs Slug



Right In: 1457.353+/-0.344 χ^2/NDF: 4259237.8/21

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1575.813+/-0.343 χ^2/NDF: 4437612.9/27

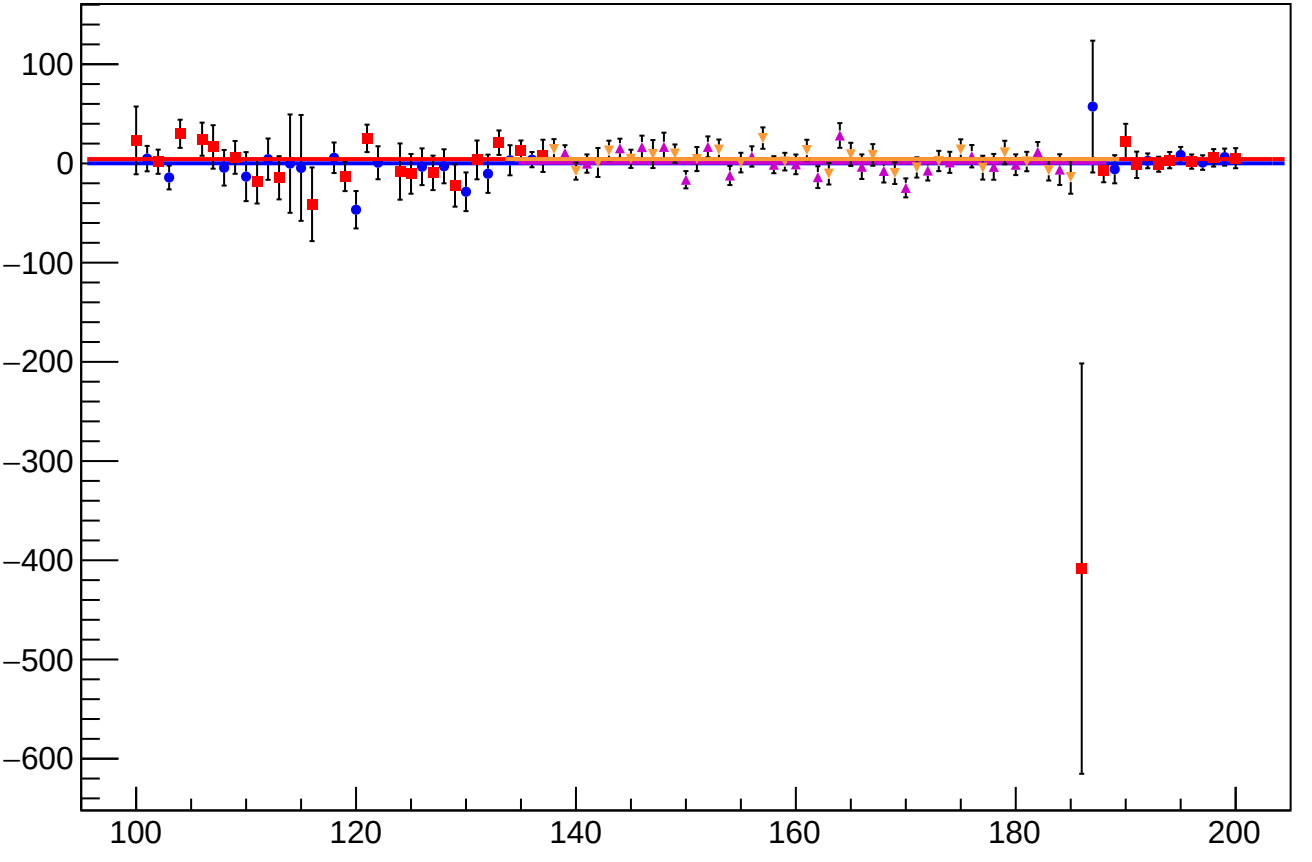
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 927.438+/-0.127 χ^2/NDF: 7517991.9/46

All: 942.020+/-0.091 χ^2/NDF: 16167014.3/97

- sign 957.525+/-0.131 χ^2/NDF: 8621938.2/50

diff_bpmtargetsumY_mean vs Slug



Right In: 0.131+/-2.728 χ^2/NDF: 13.7/21

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.397+/-2.507 χ^2/NDF: 24.6/27

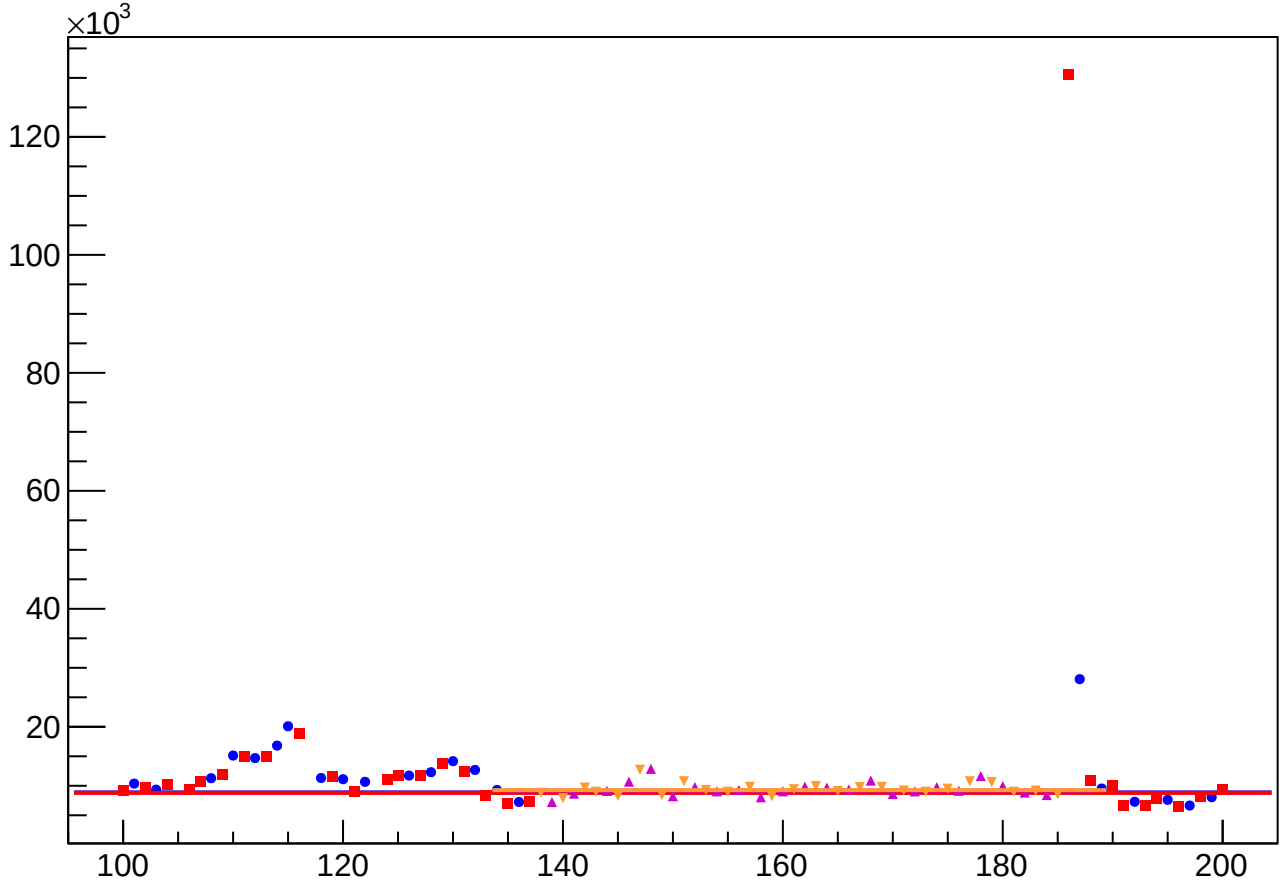
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.780+/-1.675 χ^2/NDF: 33.8/46

All: 2.537+/-1.172 χ^2/NDF: 91.6/97

- sign 2.303+/-1.641 χ^2/NDF: 57.8/50

diff_bpmtargetsumY_rms vs Slug



Right In: 8880.421+/-1.929 χ^2/NDF: 1544272.7/21

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8795.368+/-1.773 χ^2/NDF: 2268483.0/27

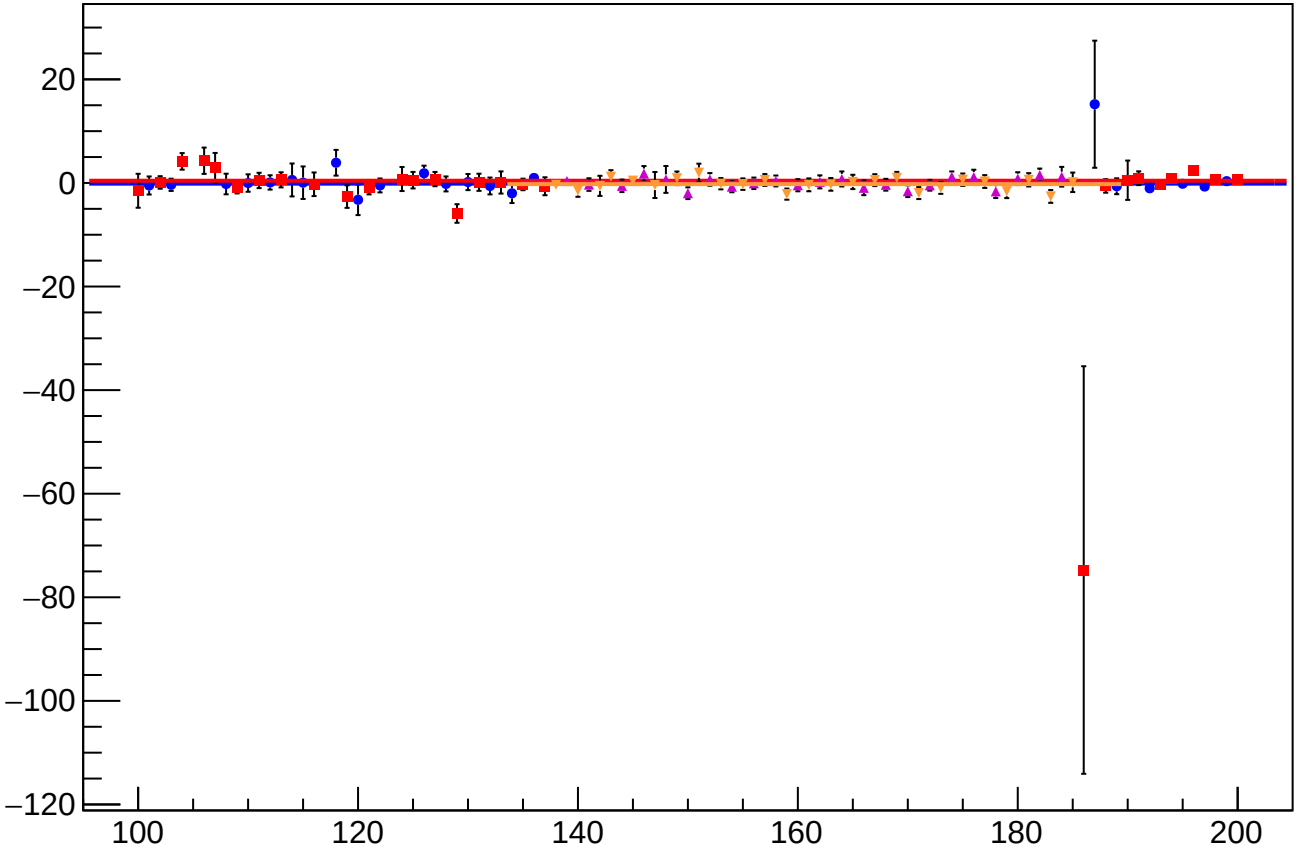
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9117.875+/-1.184 χ^2/NDF: 1934673.1/46

All: 9071.187+/-0.829 χ^2/NDF: 4751412.2/97

- sign 9026.361+/-1.160 χ^2/NDF: 2813692.2/50

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.132+/-0.272 χ^2/NDF: 12.6/21

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.427+/-0.251 χ^2/NDF: 37.8/27

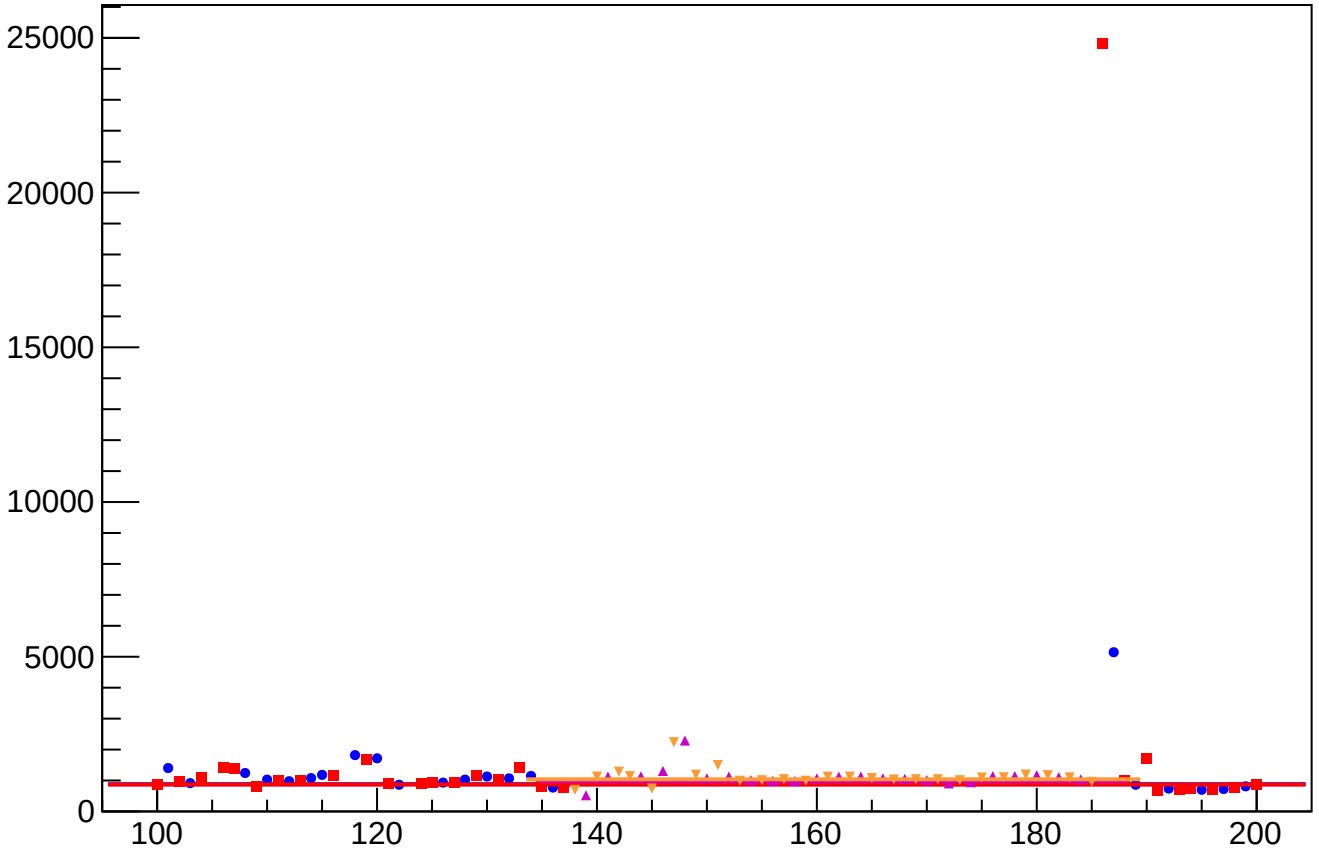
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.186+/-0.181 χ^2/NDF: 31.7/46

All: 0.024+/-0.125 χ^2/NDF: 88.7/97

- sign 0.216+/-0.173 χ^2/NDF: 54.4/50

diff_bpmtargetdiffY_rms vs Slug



Right In: 879.315+/-0.192 χ^2/NDF: 1435185.6/21

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

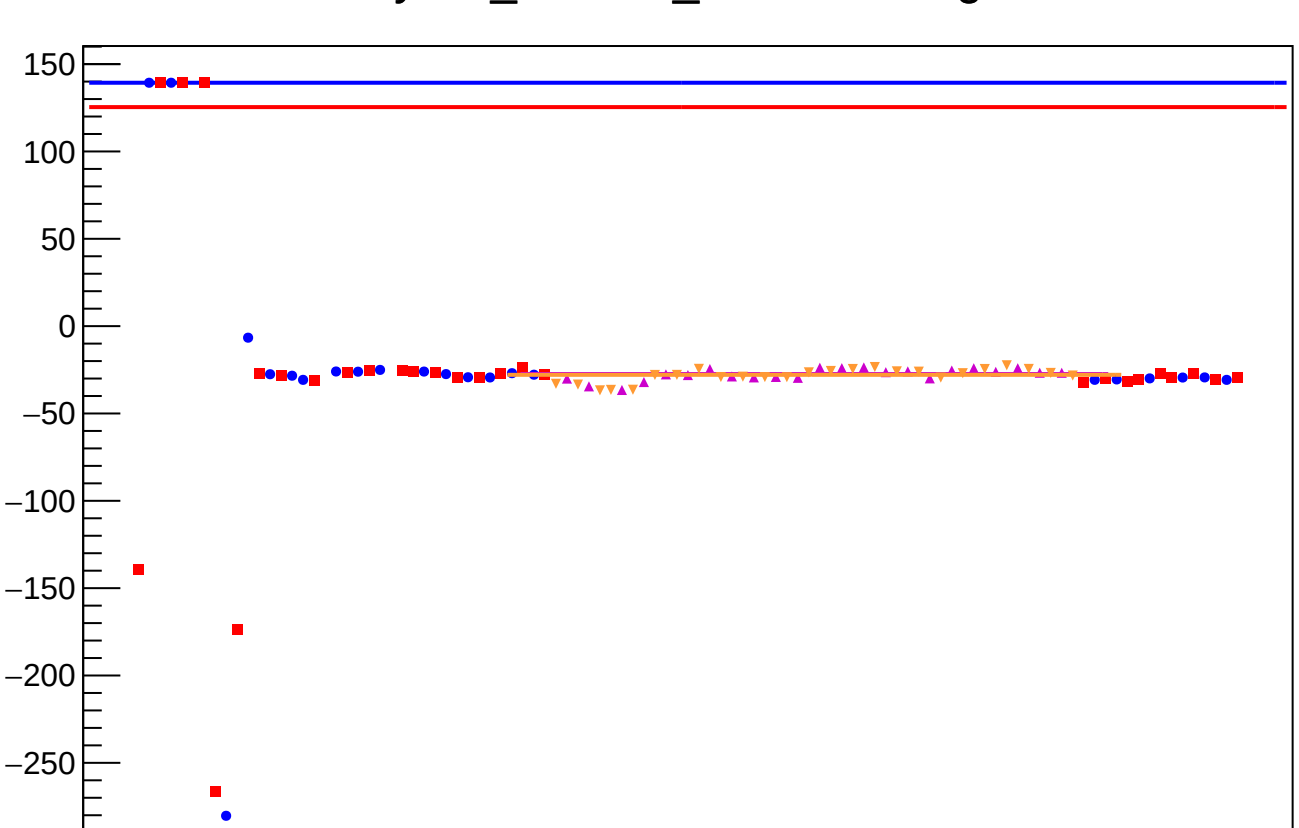
Right Out: 870.799+/-0.177 χ^2/NDF: 1936440.8/27

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

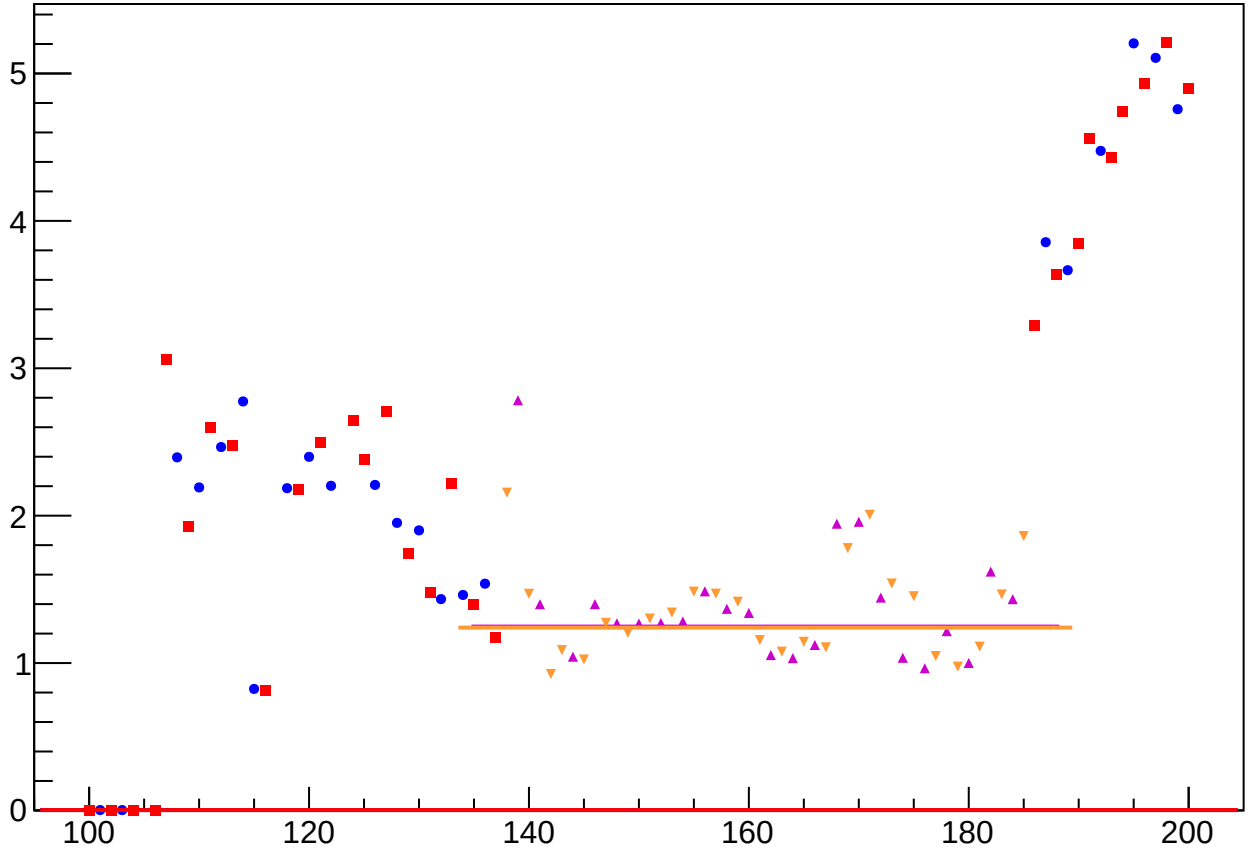
+ sign 968.102+/-0.128 χ^2/NDF: 3160404.5/46

All: 947.590+/-0.089 χ^2/NDF: 7575652.5/97

- sign 928.891+/-0.122 χ^2/NDF: 4366288.9/50


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 52803607466.3/21
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774180750882655.4/27
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.327+/-0.000 χ²/NDF: 327346830026.2/4
All: 131.810+/-0.000 χ²/NDF: 79350090848
- sign 125.385+/-0.000 χ²/NDF: 774394403888539

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 17950934.4/21

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

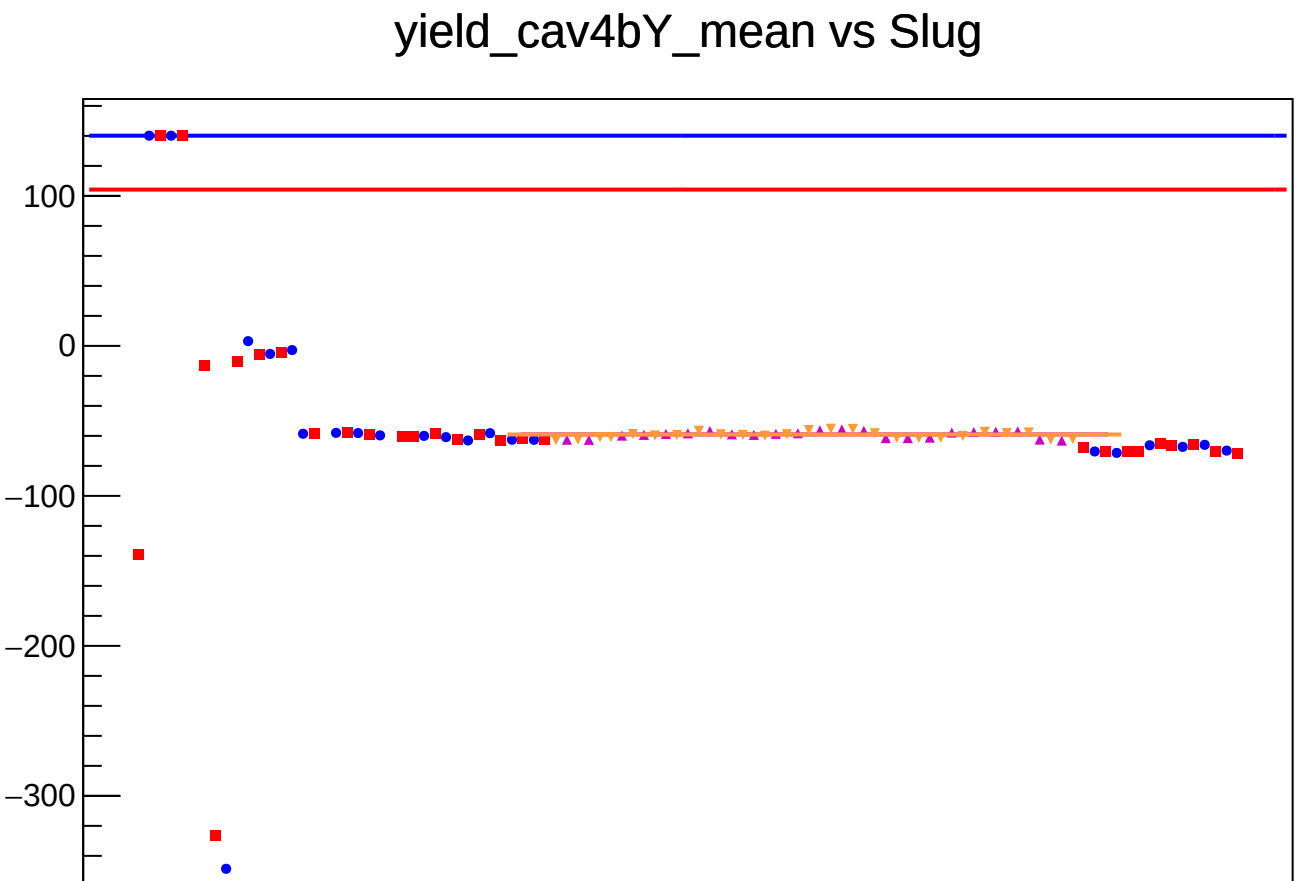
Right Out: 0.003+/-0.000 χ^2/NDF: 21783777.0/27

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 49249343.8/46

All: 0.003+/-0.000 χ^2/NDF: 100800556.6/97

- sign 0.003+/-0.000 χ^2/NDF: 51550857.7/50



Right In: 140.140+/-0.000 χ^2/NDF: 320207108672.2/21

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257534501147965.8/27

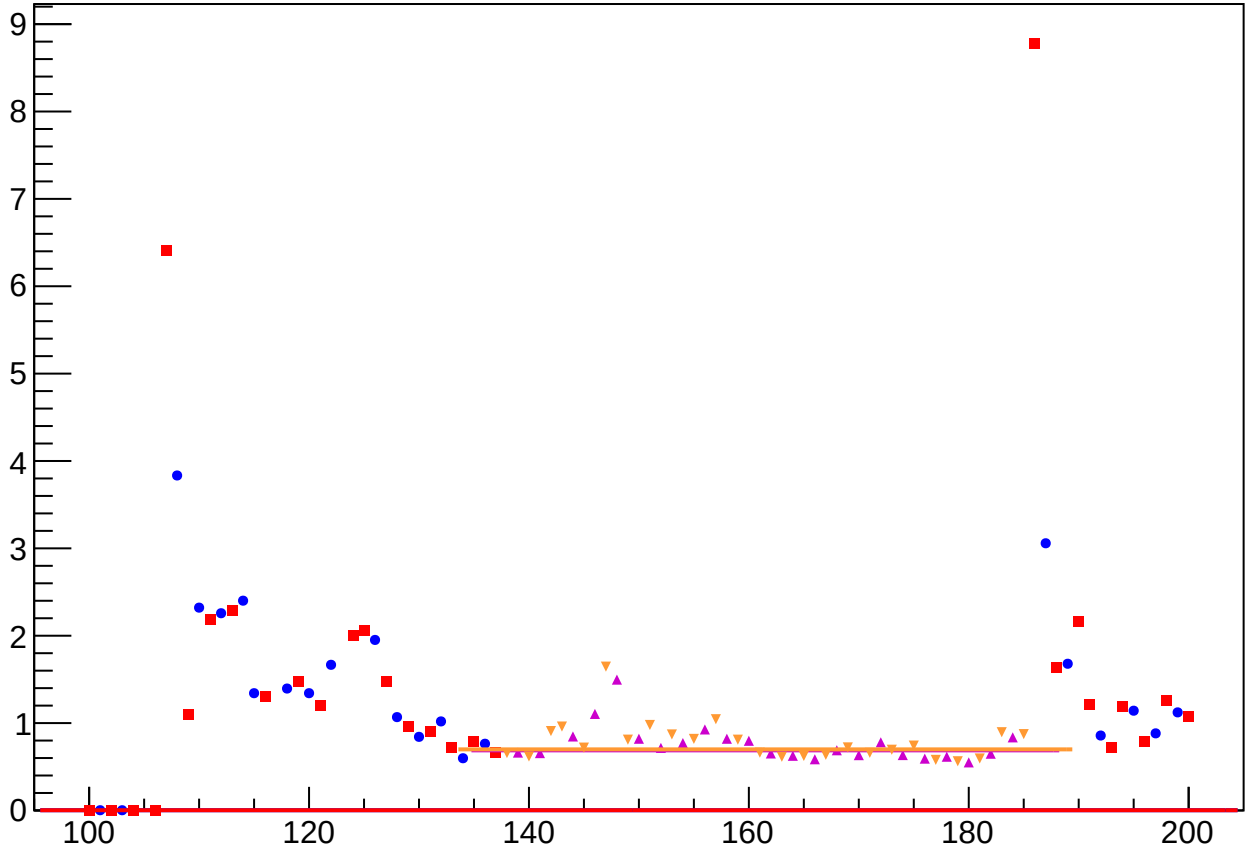
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.103+/-0.000 χ^2/NDF: 1617351500377.0

All: 120.798+/-0.000 χ^2/NDF: 13832624972

- sign 104.195+/-0.000 χ^2/NDF: 125839152692431

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 17347937.3/21

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20782192.3/27

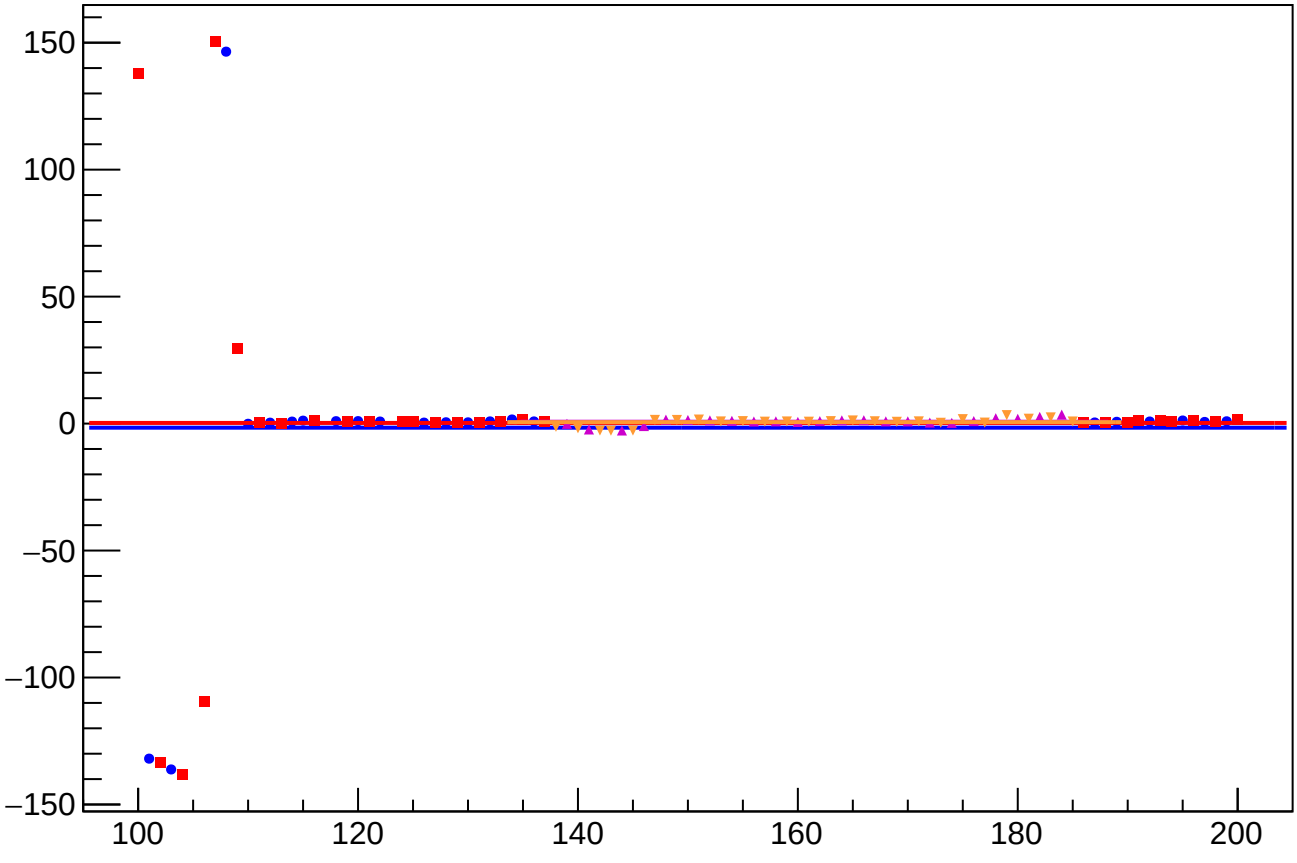
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 50400707.9/46

All: 0.003+/-0.000 χ^2/NDF: 102492020.8/97

- sign 0.003+/-0.000 χ^2/NDF: 52090833.0/50

yield_cav4cX_mean vs Slug



Right In: -1.610+/-0.000 χ^2/NDF: 9896052138.4/21

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.256+/-0.000 χ^2/NDF: 3612445137.8/27

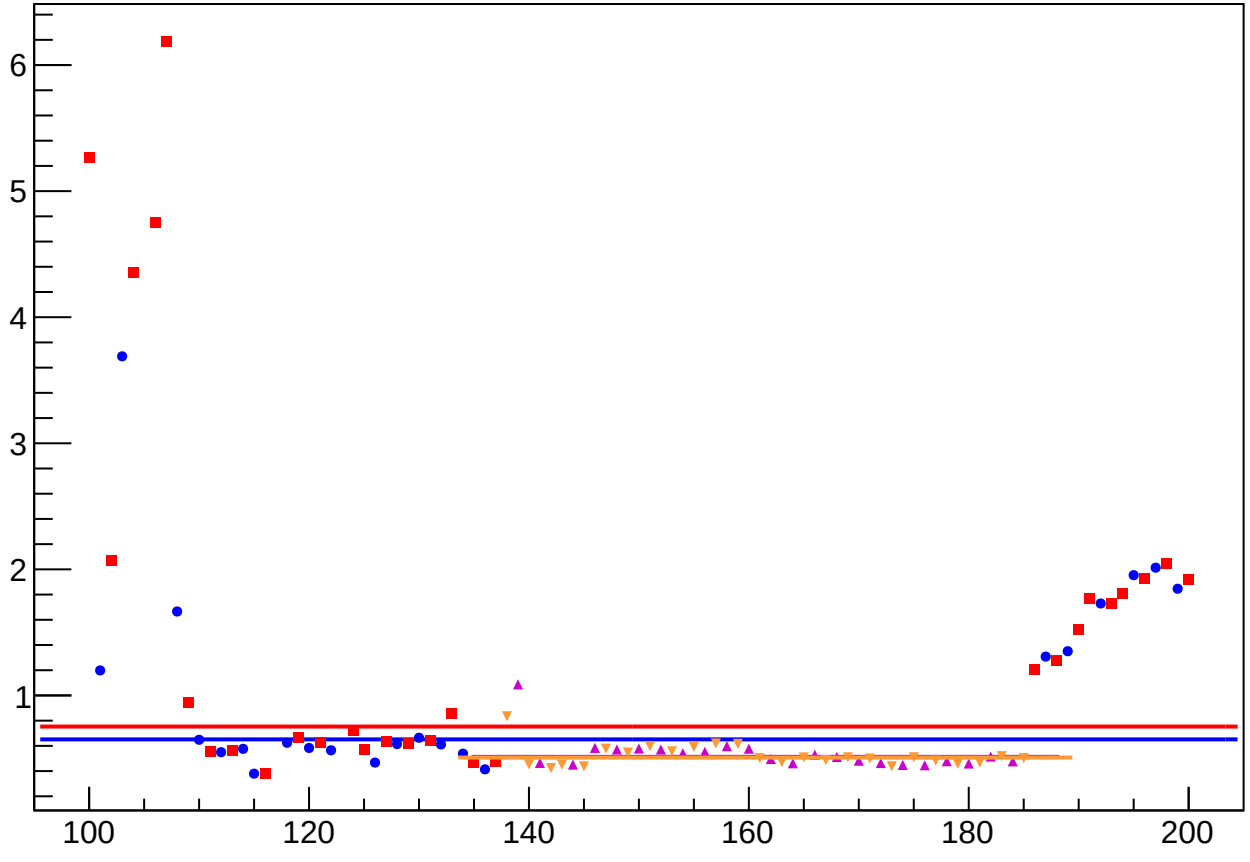
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.087+/-0.000 χ^2/NDF: 10115348674.8/46

All: 0.345+/-0.000 χ^2/NDF: 13846687583.9/9

- sign 0.629+/-0.000 χ^2/NDF: 3720344932.0/50

yield_cav4cX_rms vs Slug



Right In: 0.651+/-0.000 χ^2/NDF: 5215219.5/21

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.753+/-0.000 χ^2/NDF: 6775766.7/27

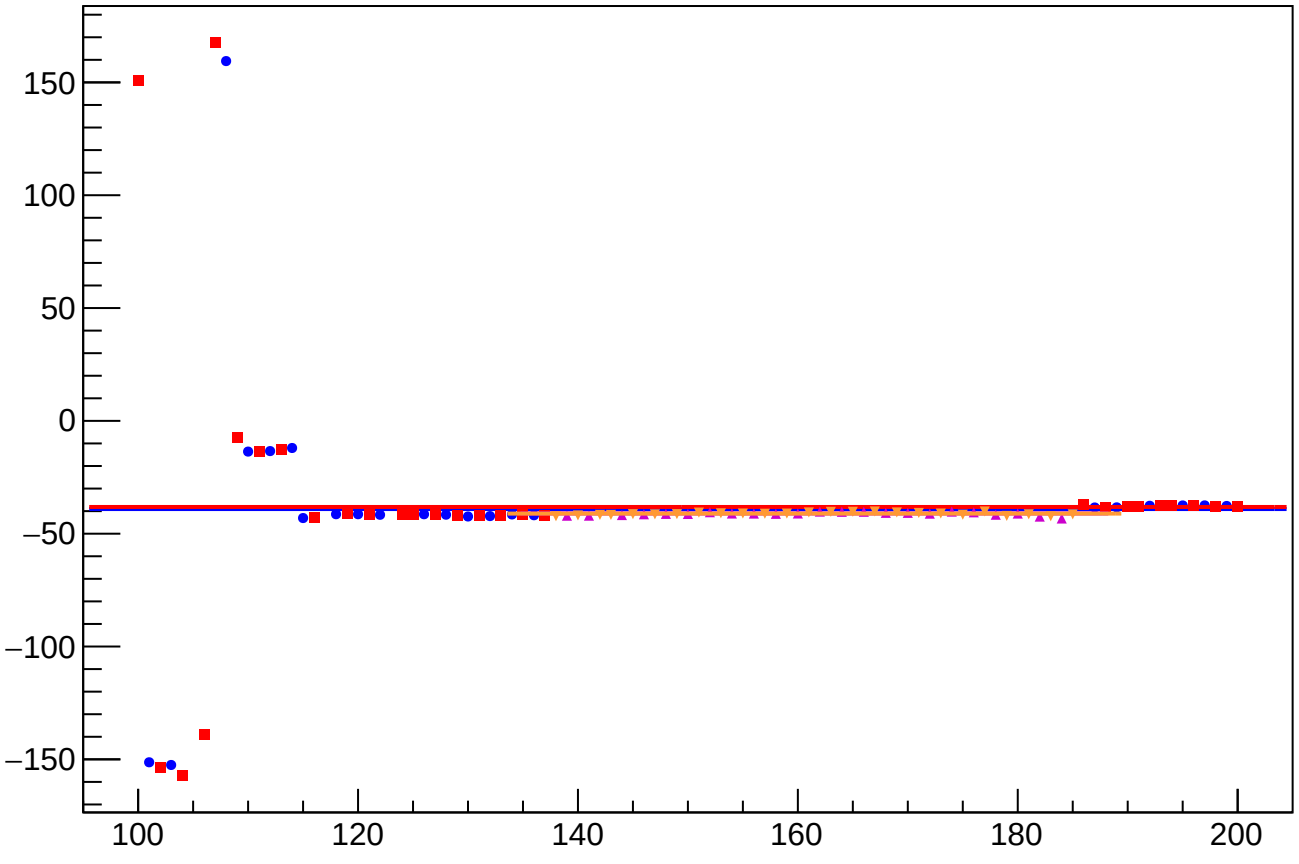
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.539+/-0.000 χ^2/NDF: 6337248.1/46

All: 0.552+/-0.000 χ^2/NDF: 15327026.5/97

- sign 0.565+/-0.000 χ^2/NDF: 8939680.4/50

yield_cav4cY_mean vs Slug



Right In: -39.076+/-0.000 χ^2/NDF: 3569247189.5/21

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.157+/-0.000 χ^2/NDF: 2507677101.7/27

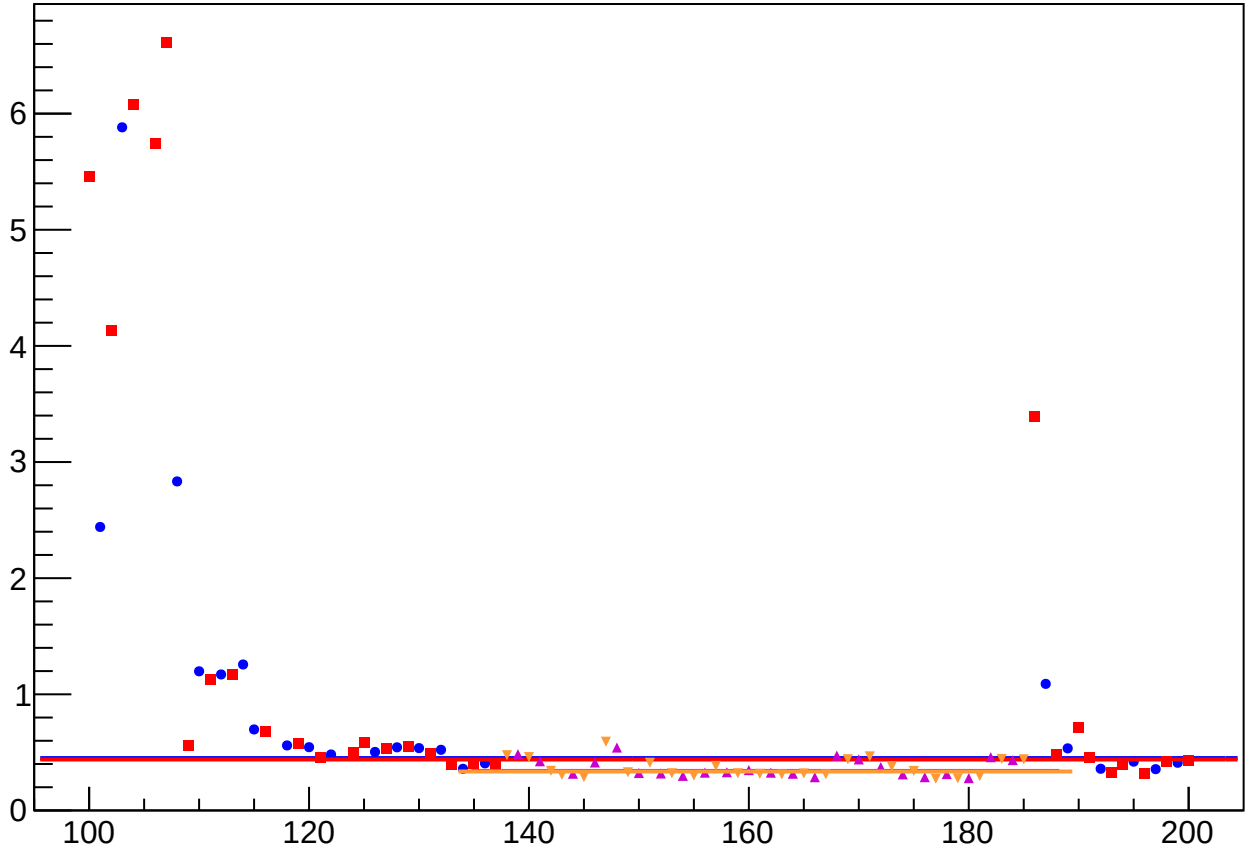
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.661+/-0.000 χ^2/NDF: 3766284297.1/46

All: -40.466+/-0.000 χ^2/NDF: 6658320241.9/

- sign -40.267+/-0.000 χ^2/NDF: 2876592470.8/50

yield_cav4cY_rms vs Slug



Right In: 0.451+/-0.000 χ^2/NDF: 3533059.5/21

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

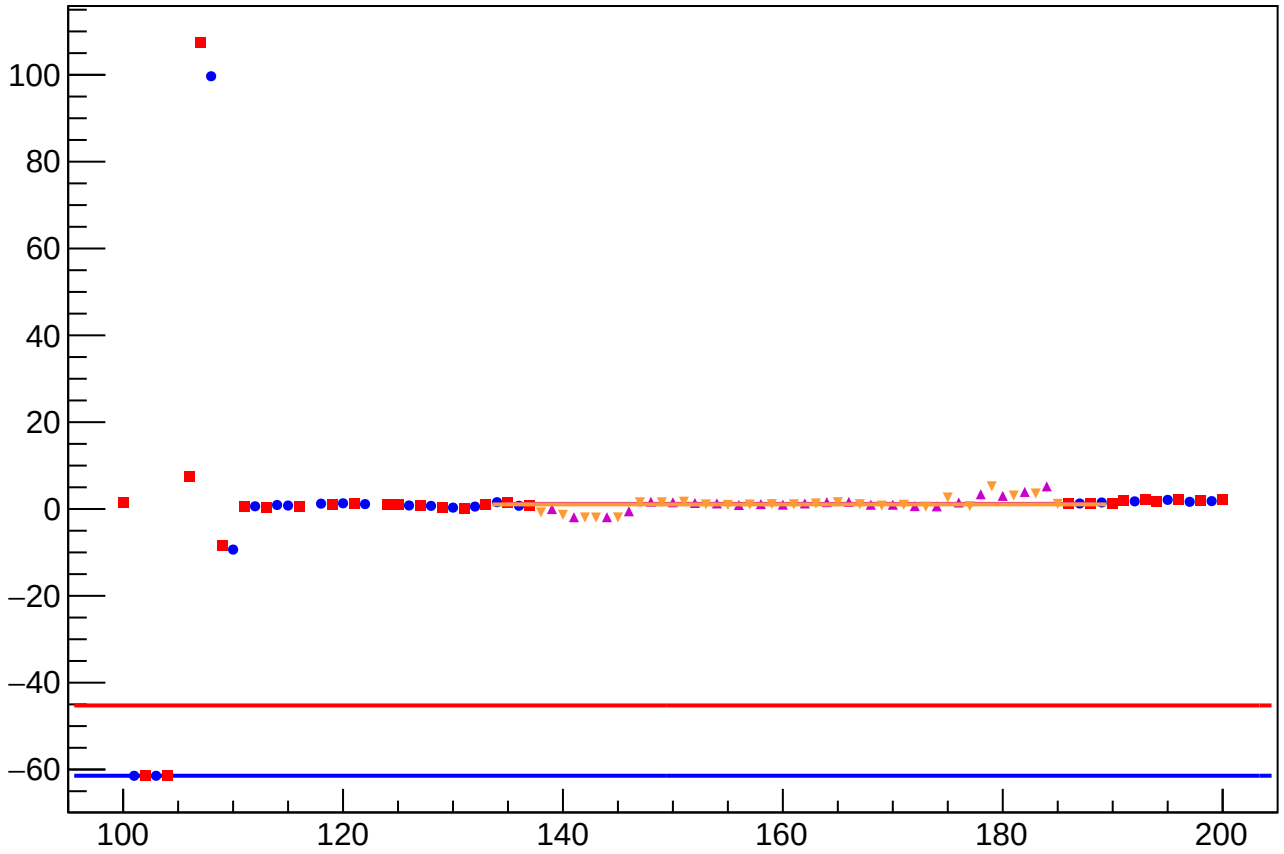
Right Out: 0.439+/-0.000 χ^2/NDF: 4607026.0/27

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.360+/-0.000 χ^2/NDF: 5664445.4/46

All: 0.363+/-0.000 χ^2/NDF: 12091920.8/97

- sign 0.366+/-0.000 χ^2/NDF: 6420032.2/50



Right In: -61.436+/-0.000 χ^2/NDF: 280733167298.2/21

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357876746435497.2/27

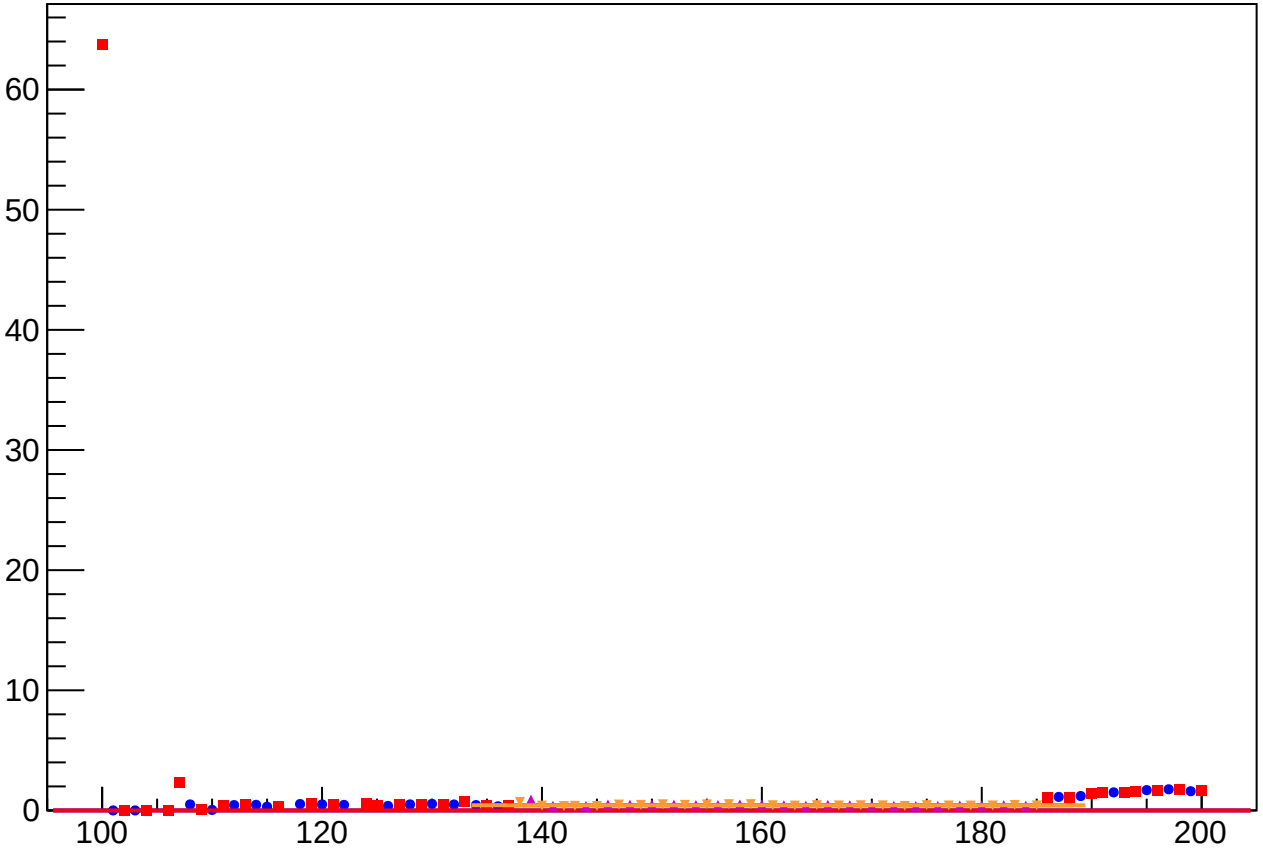
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 610738481938.3/4

All: -52.738+/-0.000 χ^2/NDF: 409605346684

- sign -45.236+/-0.000 χ^2/NDF: 358043311020882.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 17512961.4/21

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

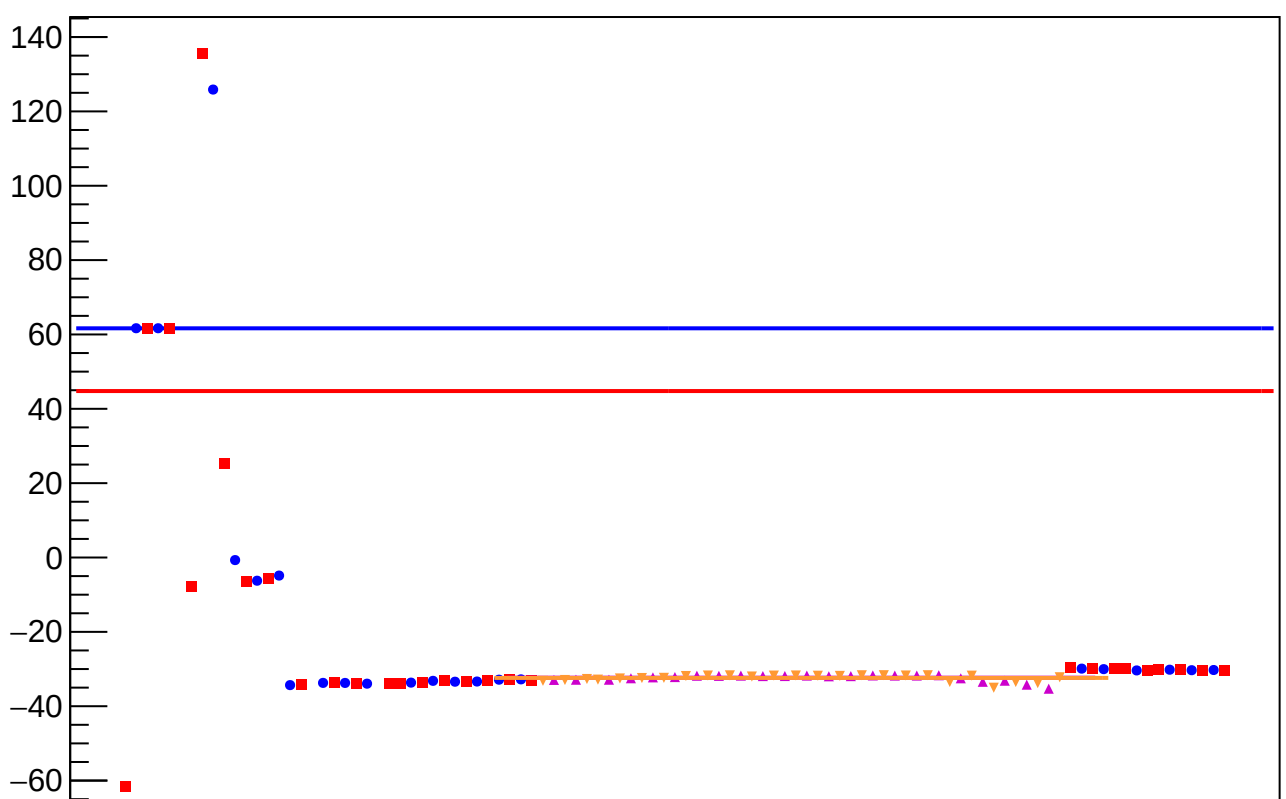
Right Out: 0.001+/-0.000 χ^2/NDF: 21395216.2/27

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 49277628.5/46

All: 0.002+/-0.000 χ^2/NDF: 100815012.9/97

- sign 0.002+/-0.000 χ^2/NDF: 51537229.9/50



Right In: 61.652+/-0.000 χ^2/NDF: 676126942584.6/21

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.776+/-0.000 χ^2/NDF: 366369672882990.9/27

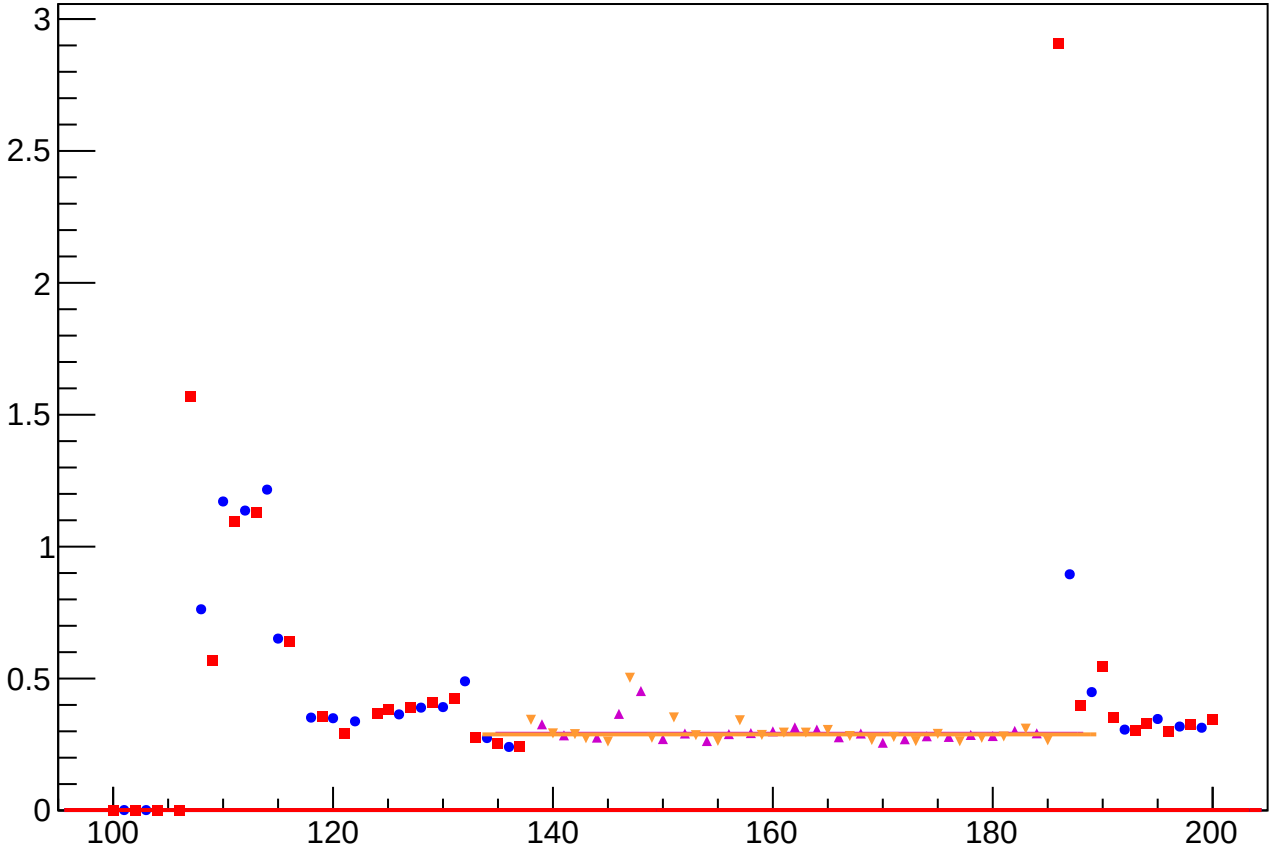
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.590+/-0.000 χ^2/NDF: 2633848721888.0/4

All: 52.628+/-0.000 χ^2/NDF: 421247691911

- sign 44.734+/-0.000 χ^2/NDF: 367597184653899.2

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 19160364.2/21

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 22374023.5/27

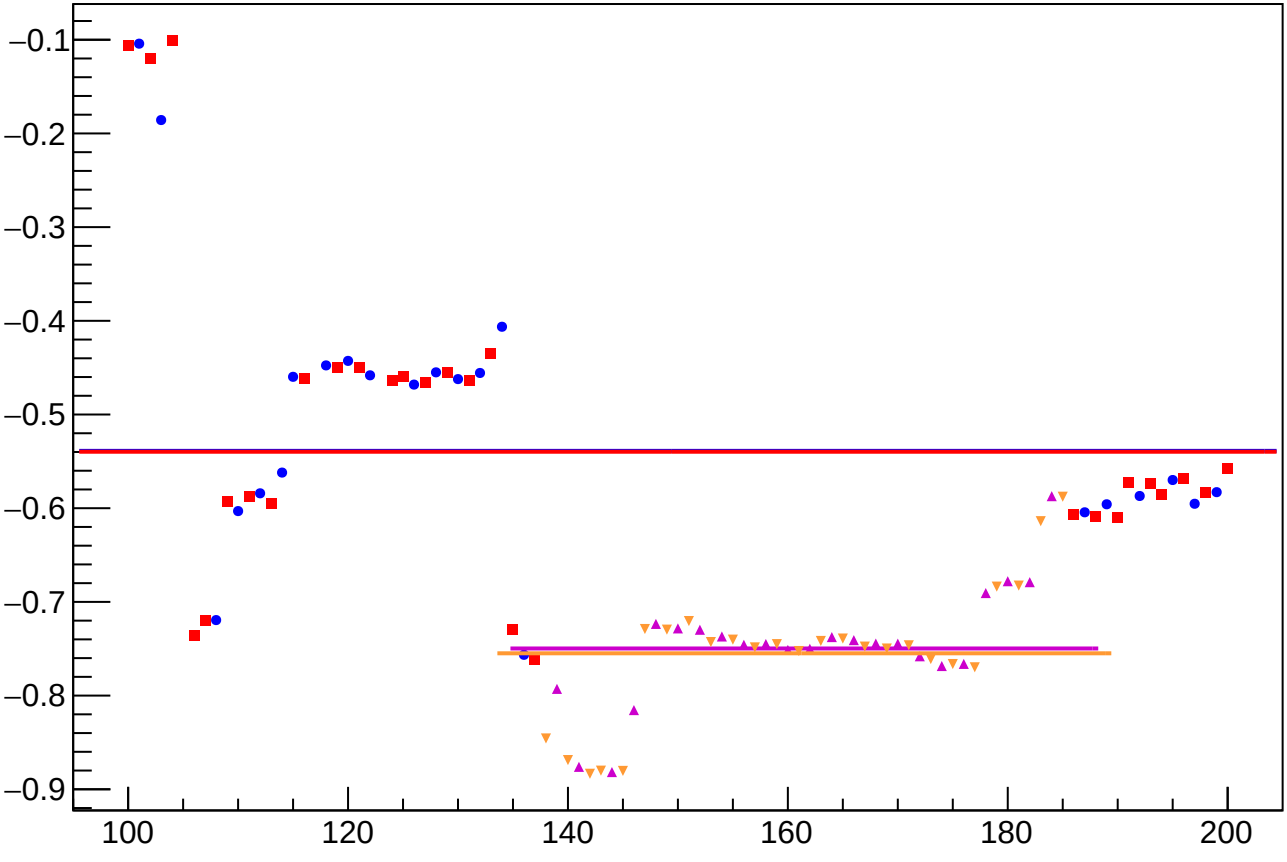
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 56114709.7/46

All: 0.002+/-0.000 χ^2/NDF: 113386897.8/97

- sign 0.002+/-0.000 χ^2/NDF: 57272174.7/50

yield_bpm4aX_mean vs Slug



Right In: -0.539+/-0.000 χ^2/NDF: 303287831.5/21

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.540+/-0.000 χ^2/NDF: 218874639.3/27

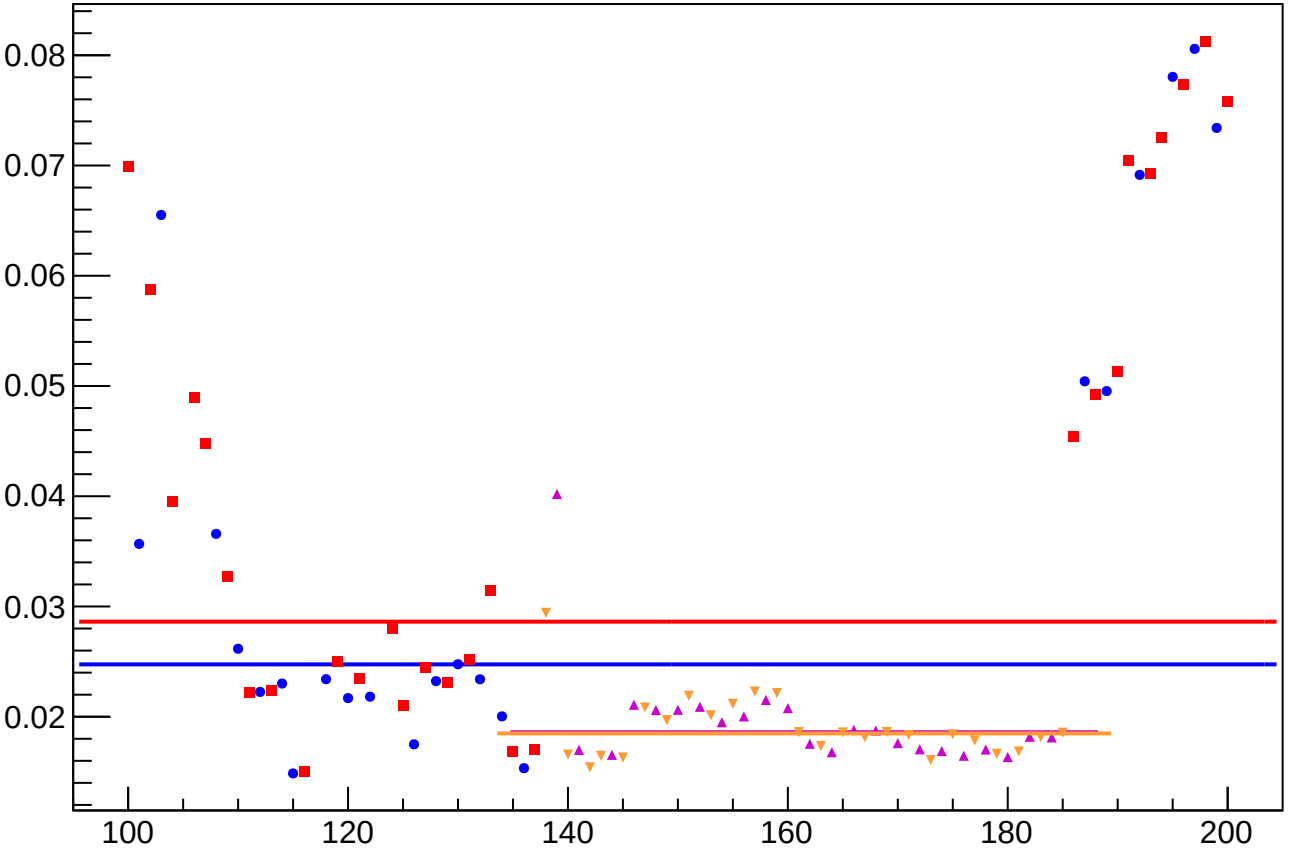
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 974927968.0/46

All: -0.707+/-0.000 χ^2/NDF: 1733132893.4/9

- sign -0.705+/-0.000 χ^2/NDF: 757894134.6/50

yield_bpm4aX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 4887494.2/21

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.029+/-0.000 χ^2/NDF: 5696401.1/27

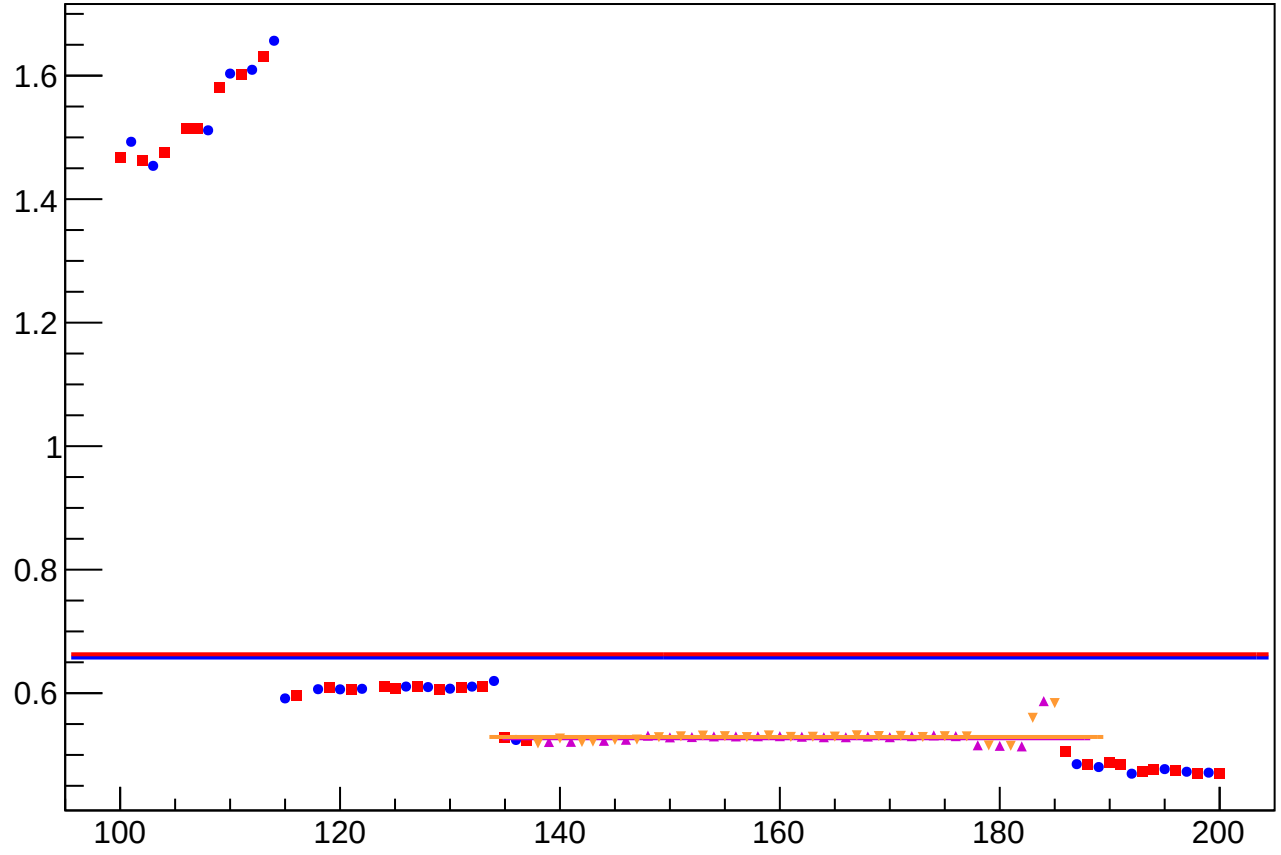
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6150608.5/46

All: 0.020+/-0.000 χ^2/NDF: 14447085.0/97

- sign 0.021+/-0.000 χ^2/NDF: 8251688.3/50

yield_bpm4aY_mean vs Slug



Right In: 0.658+/-0.000 χ^2/NDF: 5214568196.3/21

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.663+/-0.000 χ^2/NDF: 6224582801.3/27

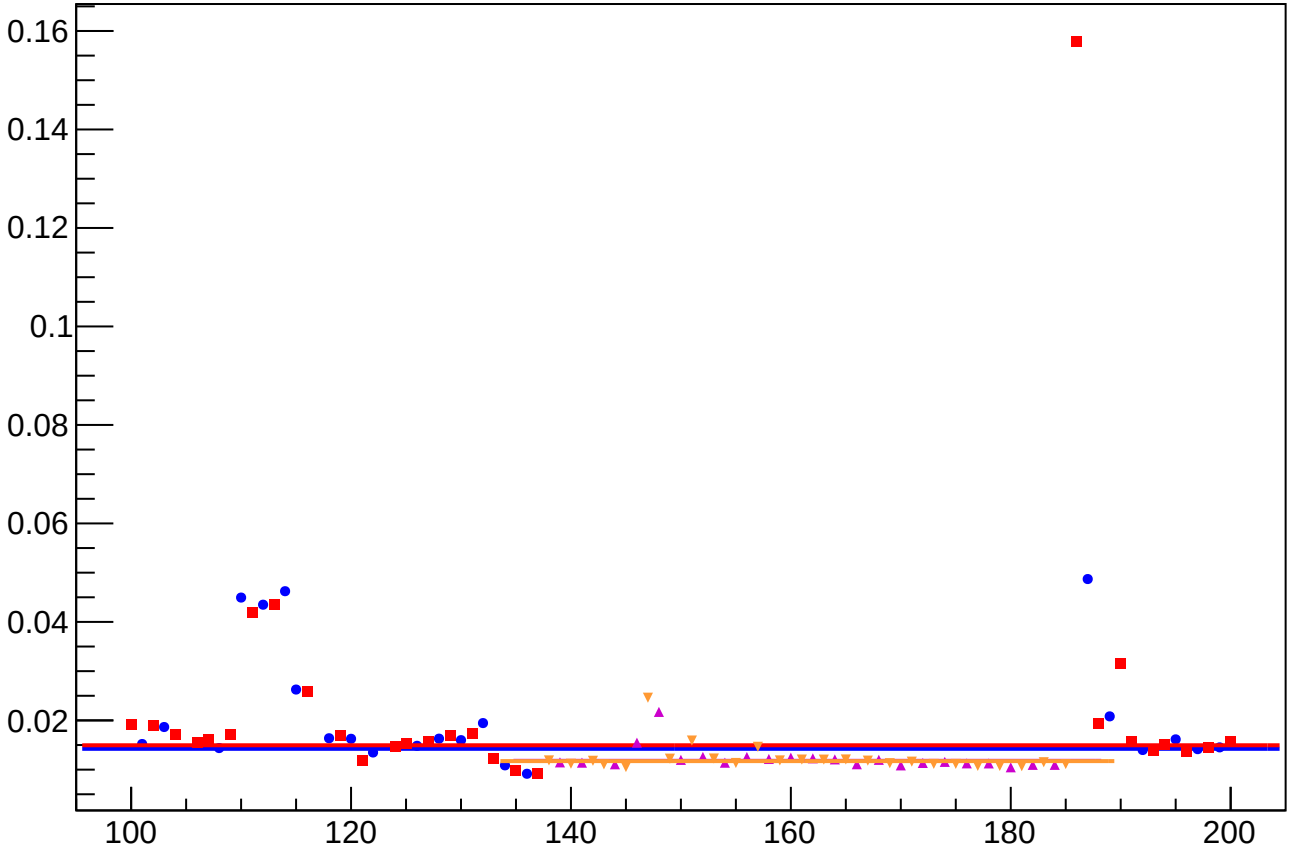
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.563+/-0.000 χ^2/NDF: 5823106862.6/46

All: 0.565+/-0.000 χ^2/NDF: 12746767720.4/9

- sign 0.567+/-0.000 χ^2/NDF: 6922513899.8/50

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1959227.9/21

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2382071.3/27

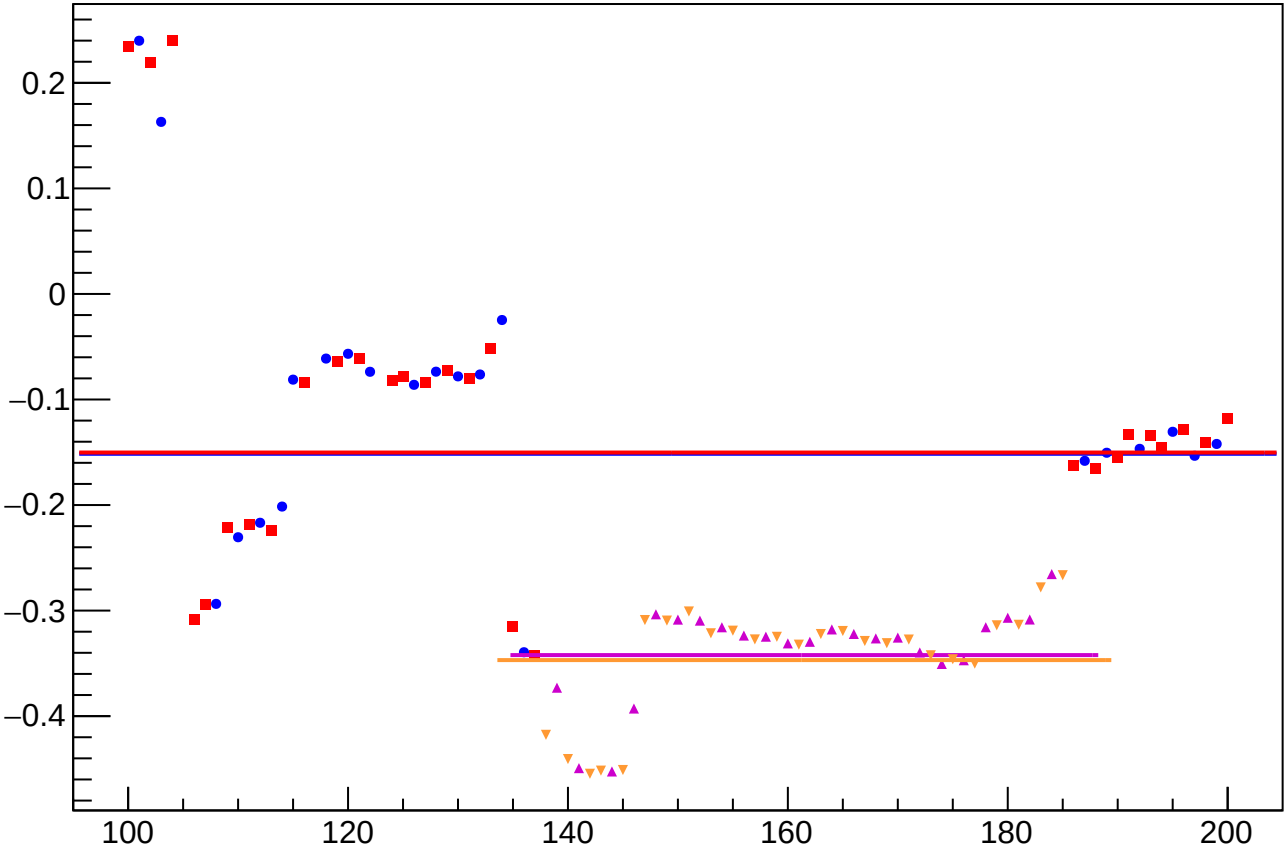
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3104763.1/46

All: 0.013+/-0.000 χ^2/NDF: 6764688.7/97

- sign 0.013+/-0.000 χ^2/NDF: 3641536.2/50

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276881882.4/21

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199835717.5/27

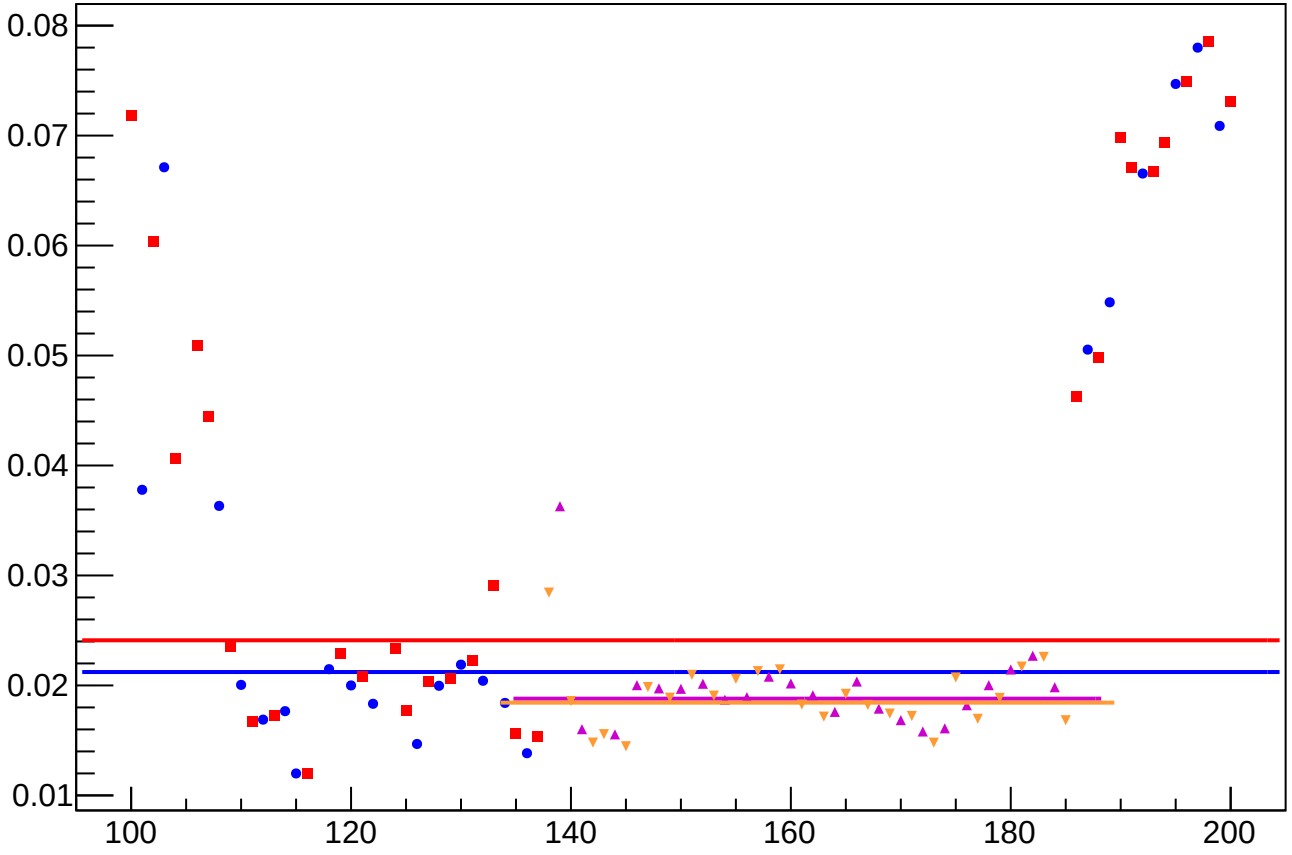
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.296+/-0.000 χ^2/NDF: 864827912.2/46

All: -0.294+/-0.000 χ^2/NDF: 1565367827.0/9

- sign -0.292+/-0.000 χ^2/NDF: 699900325.7/50

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 5590995.3/21

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6882145.8/27

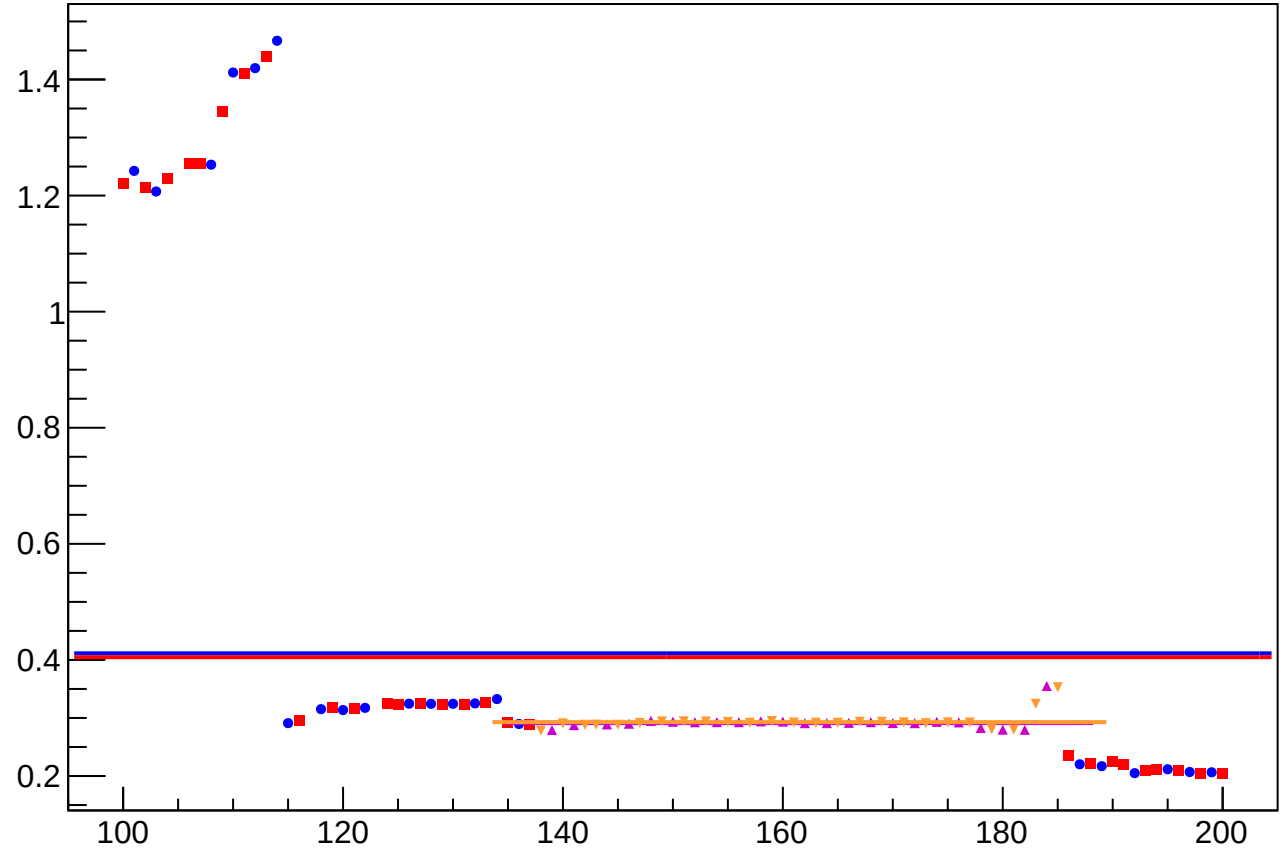
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 6418405.2/46

All: 0.020+/-0.000 χ^2/NDF: 14713871.9/97

- sign 0.020+/-0.000 χ^2/NDF: 8230616.2/50

yield_bpm4eY_mean vs Slug



Right In: 0.411+/-0.000 χ^2/NDF: 7713025919.1/21

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.405+/-0.000 χ^2/NDF: 8813368951.4/27

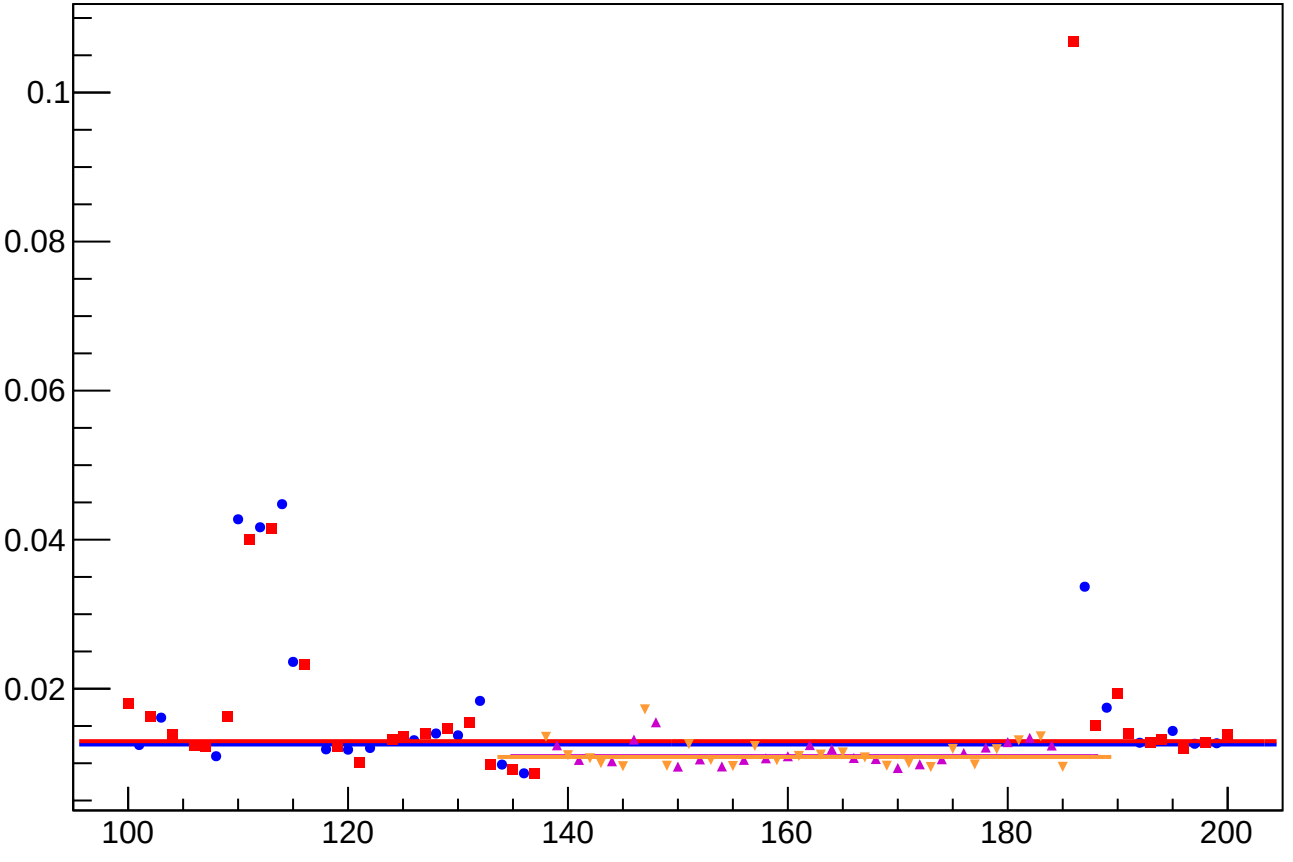
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.327+/-0.000 χ^2/NDF: 8363462526.8/46

All: 0.328+/-0.000 χ^2/NDF: 17793523397.9/9

- sign 0.328+/-0.000 χ^2/NDF: 9429961817.4/50

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1763088.0/21

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2164941.9/27

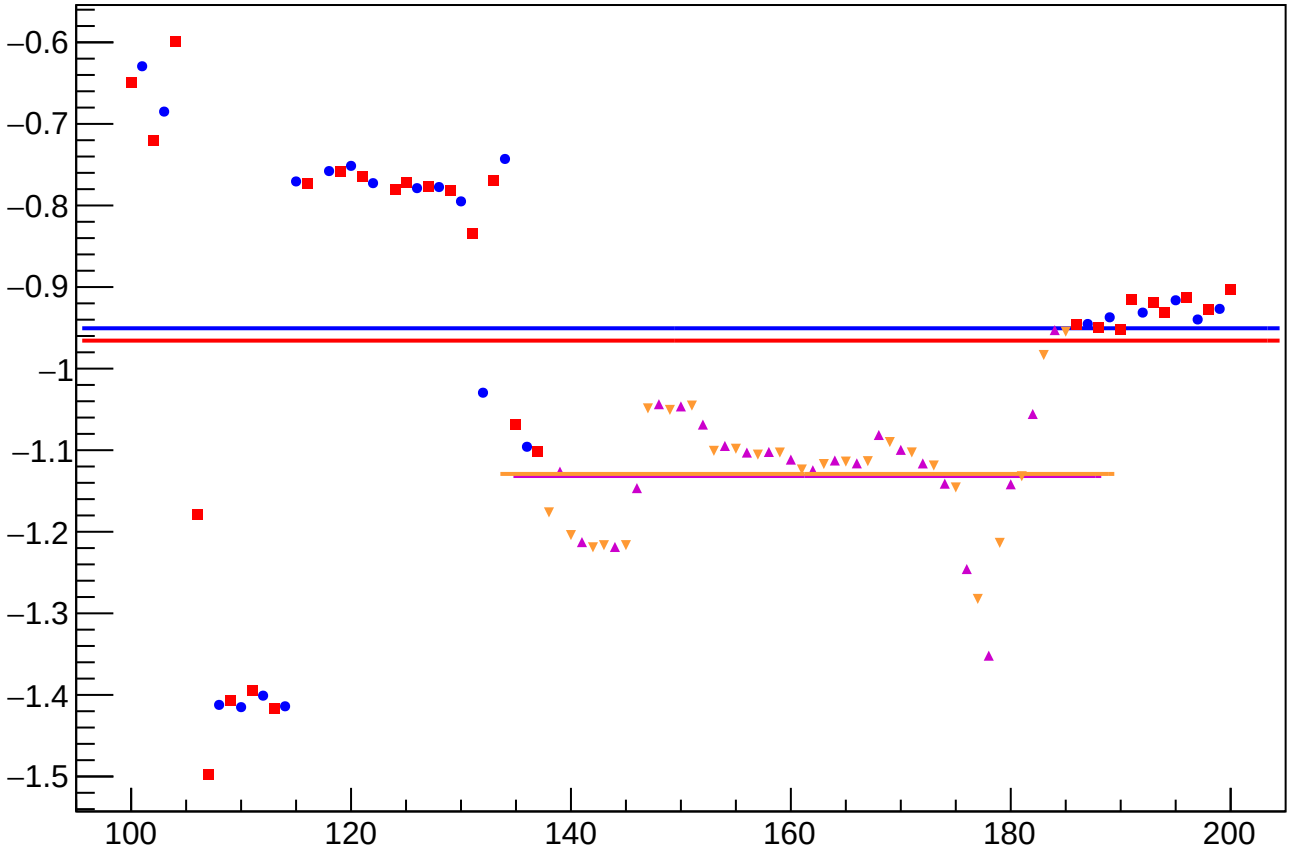
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2669952.7/46

All: 0.011+/-0.000 χ^2/NDF: 5742852.8/97

- sign 0.012+/-0.000 χ^2/NDF: 3055929.9/50

yield_bpm4acX_mean vs Slug



Right In: -0.951+/-0.000 χ^2/NDF: 699896318.0/21

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.966+/-0.000 χ^2/NDF: 716881507.4/27

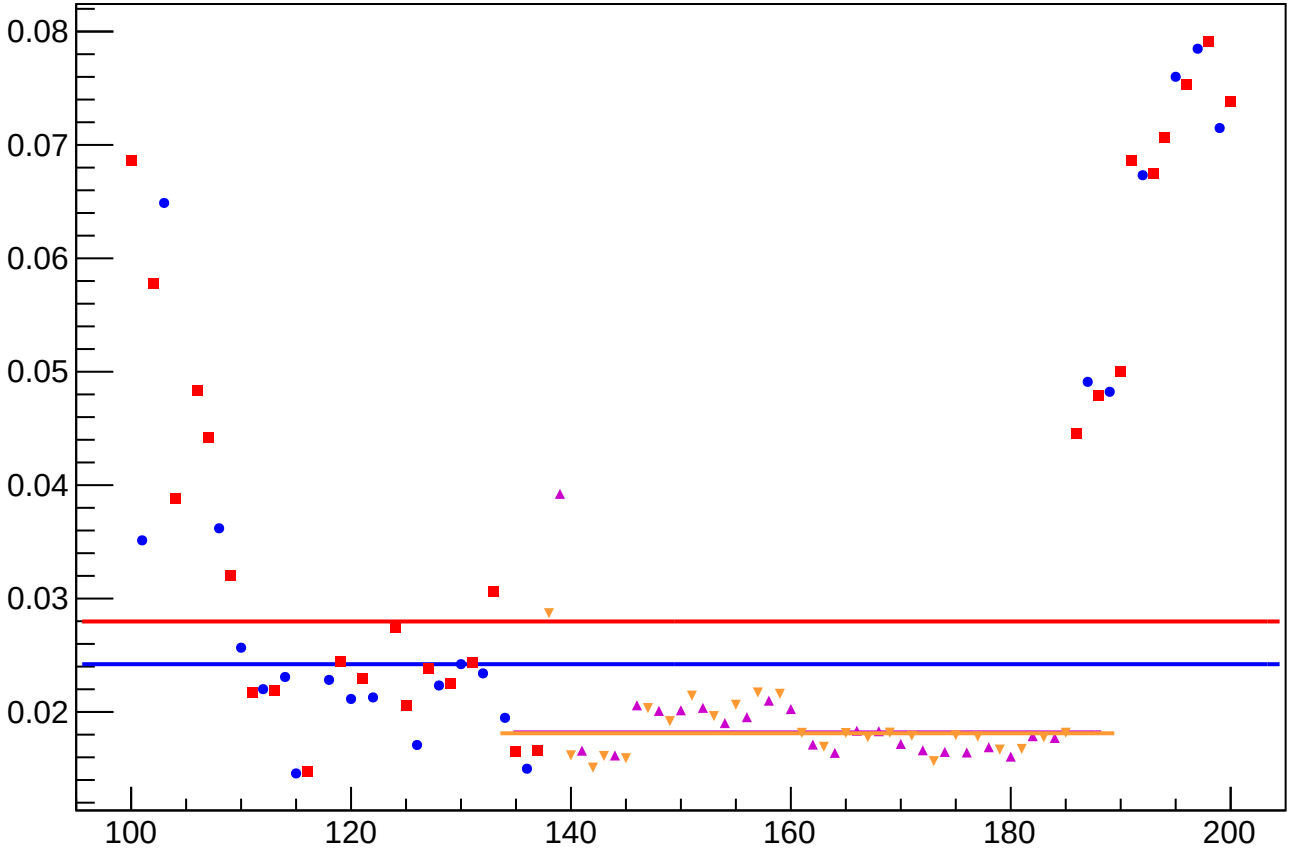
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1265307156.3/46

All: -1.093+/-0.000 χ^2/NDF: 2503226913.8/9

- sign -1.096+/-0.000 χ^2/NDF: 1236946158.0/50

yield_bpm4acX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 4884102.7/21

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.028+/-0.000 χ^2/NDF: 5683252.7/27

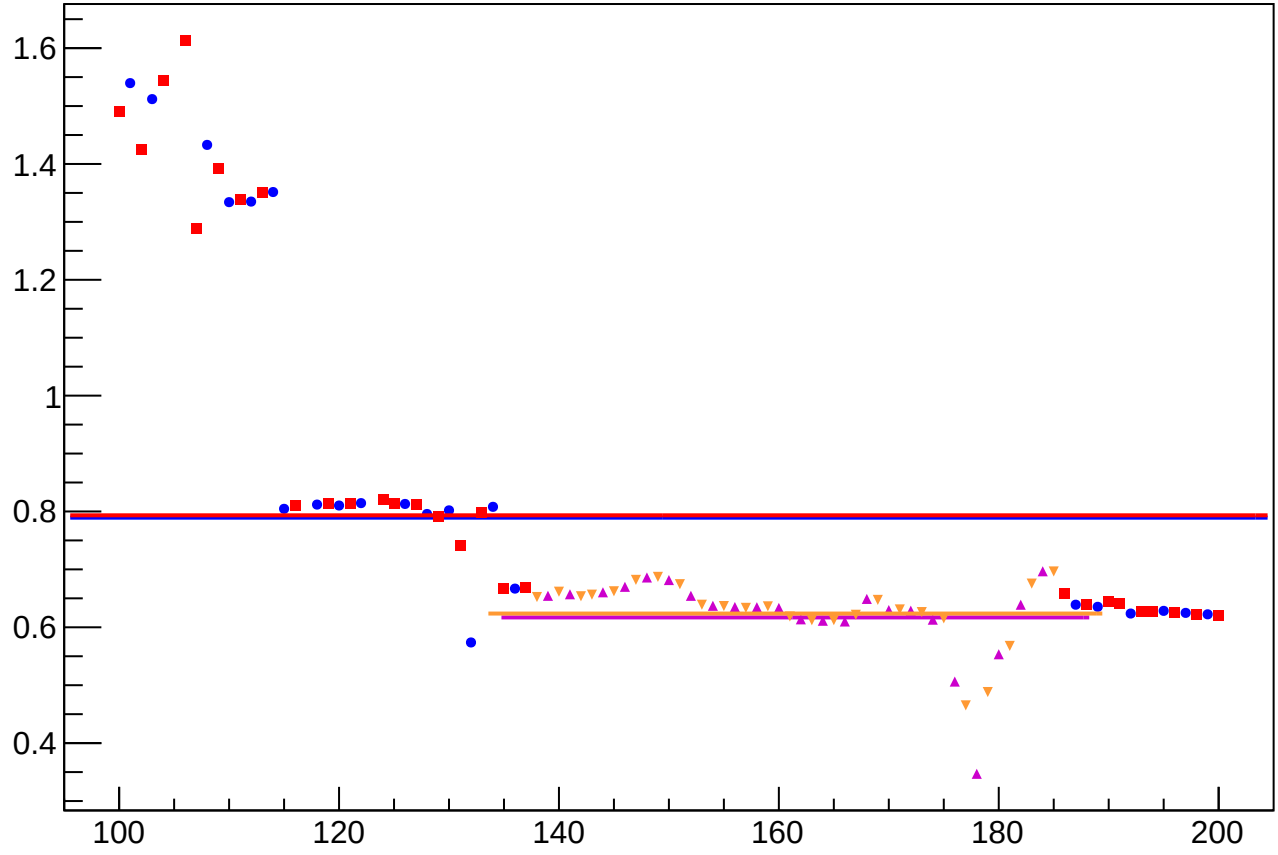
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 6119938.9/46

All: 0.020+/-0.000 χ^2/NDF: 14373544.4/97

- sign 0.020+/-0.000 χ^2/NDF: 8211746.3/50

yield_bpm4acY_mean vs Slug



Right In: 0.789+/-0.000 χ^2/NDF: 3520103969.1/21

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.793+/-0.000 χ^2/NDF: 3922278706.8/27

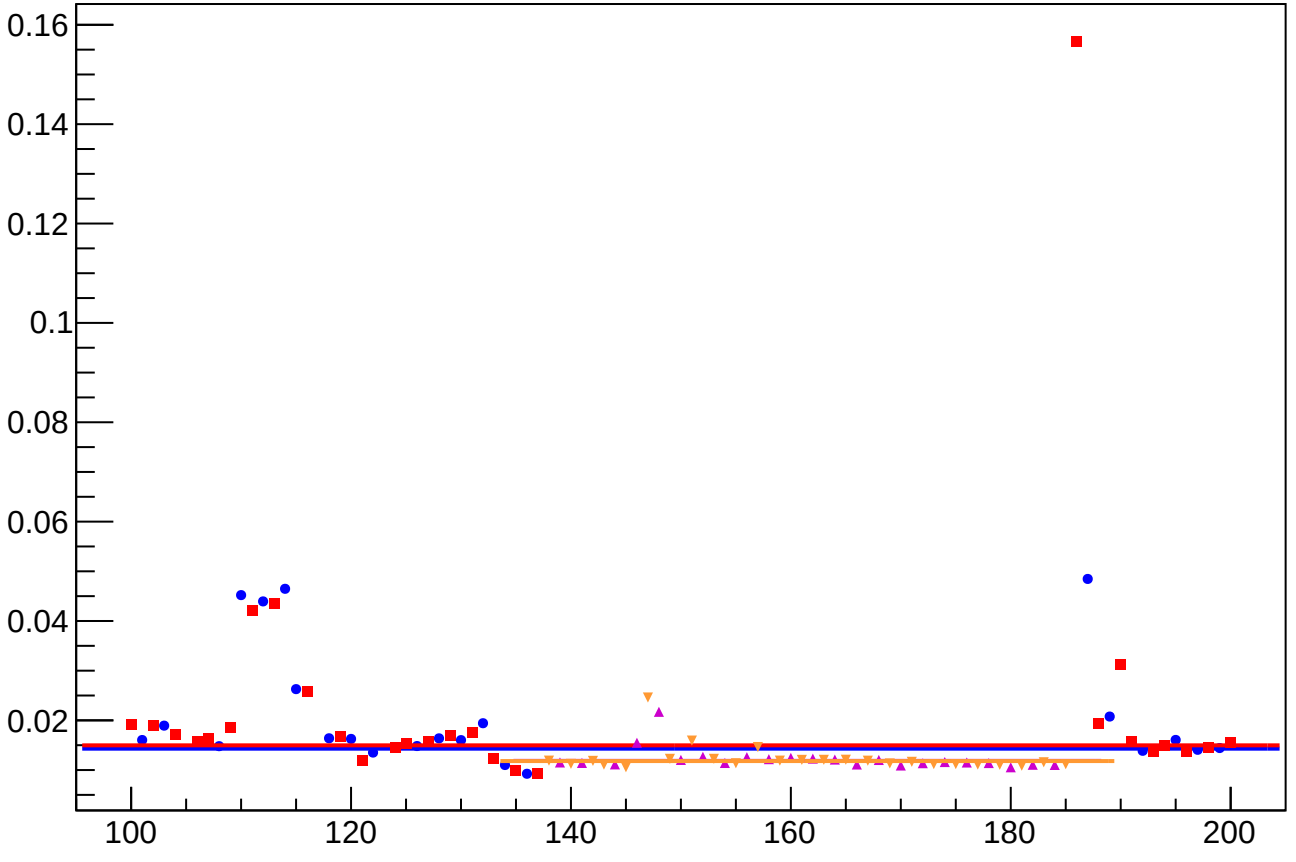
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.668+/-0.000 χ^2/NDF: 4889352260.4/46

All: 0.668+/-0.000 χ^2/NDF: 10601685051.7/9

- sign 0.669+/-0.000 χ^2/NDF: 5712231249.7/50

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1944505.1/21

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

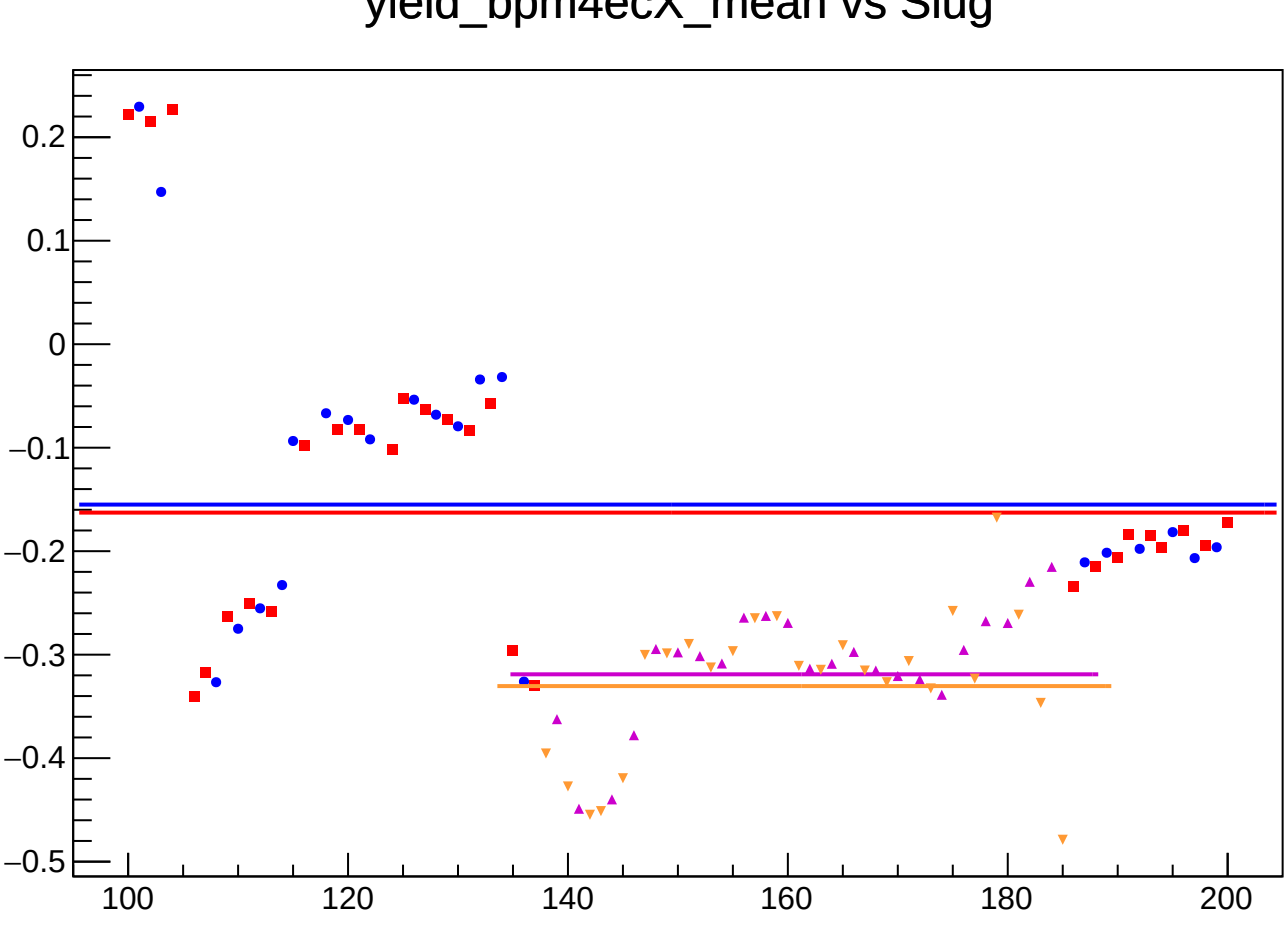
Right Out: 0.015+/-0.000 χ^2/NDF: 2386199.6/27

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3058068.3/46

All: 0.013+/-0.000 χ^2/NDF: 6687850.5/97

- sign 0.013+/-0.000 χ^2/NDF: 3614415.1/50



Right In: -0.155+/-0.000 χ^2/NDF: 276056935.8/21

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198326764.5/27

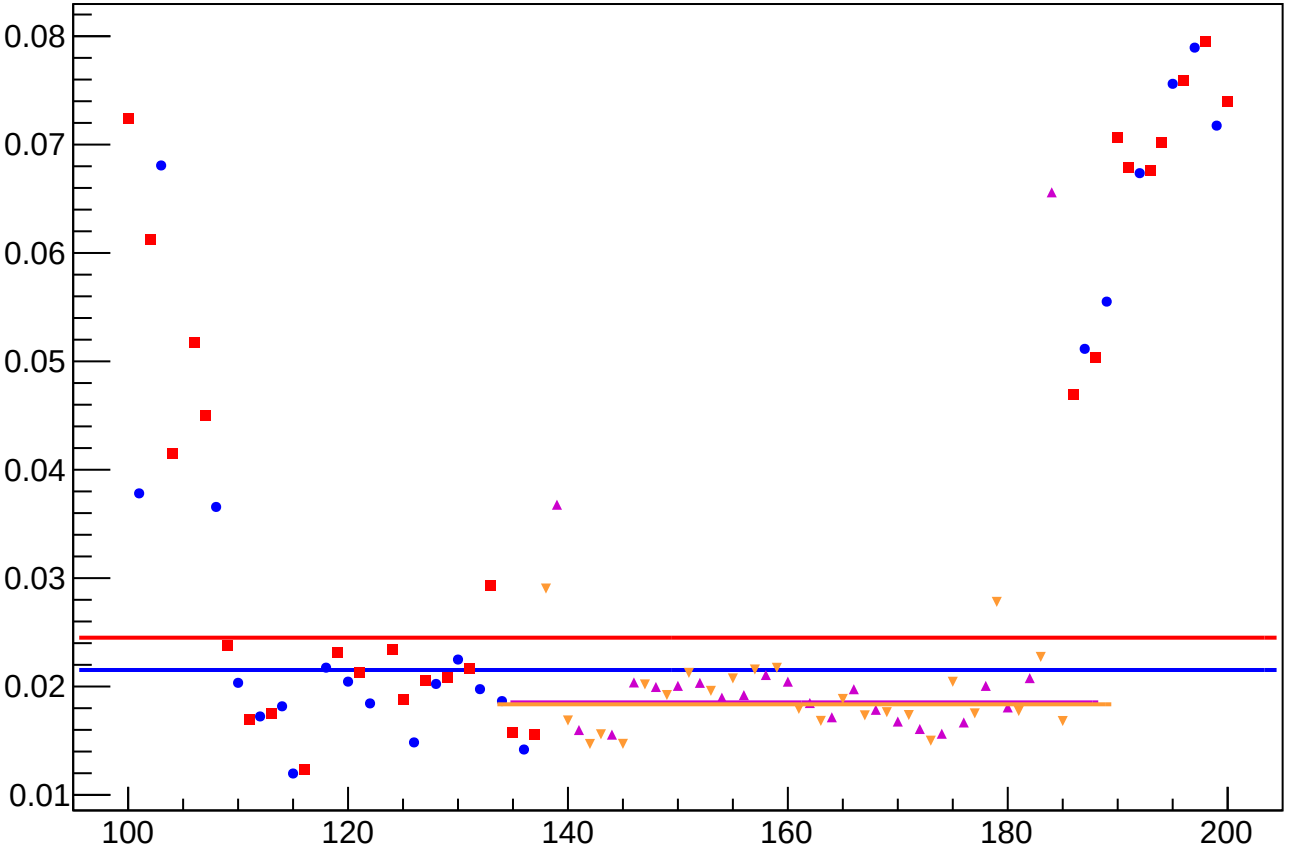
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 821314320.2/46

All: -0.282+/-0.000 χ^2/NDF: 1417854418.7/9

- sign -0.279+/-0.000 χ^2/NDF: 595349979.7/50

yield_bpm4ecX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5560740.9/21

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.025+/-0.000 χ^2/NDF: 6842304.8/27

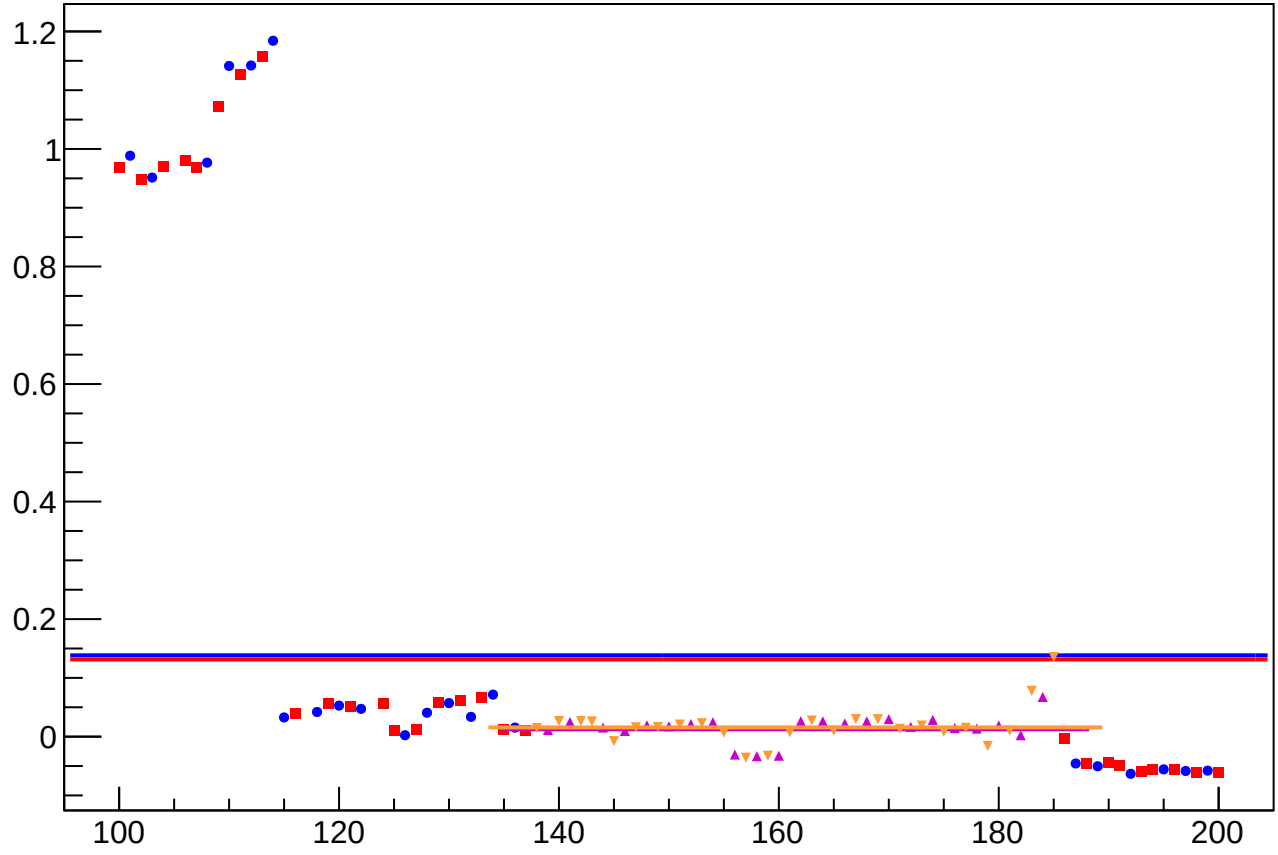
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 6534396.5/46

All: 0.020+/-0.000 χ^2/NDF: 15135920.4/97

- sign 0.020+/-0.000 χ^2/NDF: 8553776.4/50

yield_bpm4ecY_mean vs Slug



Right In: 0.138+/-0.000 χ^2/NDF: 7822155201.9/21

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.131+/-0.000 χ^2/NDF: 8729737253.6/27

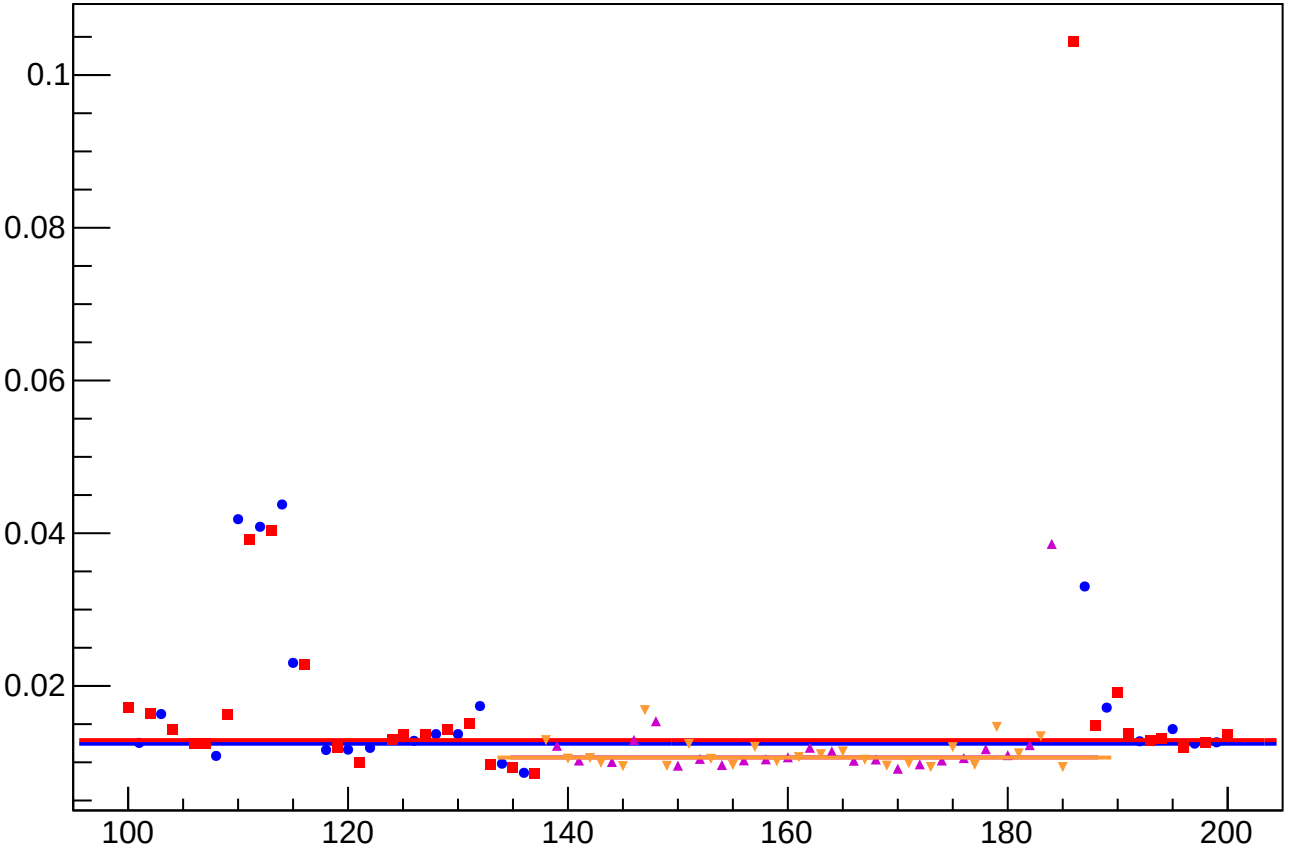
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.051+/-0.000 χ^2/NDF: 8614793795.8/46

All: 0.051+/-0.000 χ^2/NDF: 18080690239.8/9

- sign 0.050+/-0.000 χ^2/NDF: 9465832107.0/50

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1728736.9/21

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

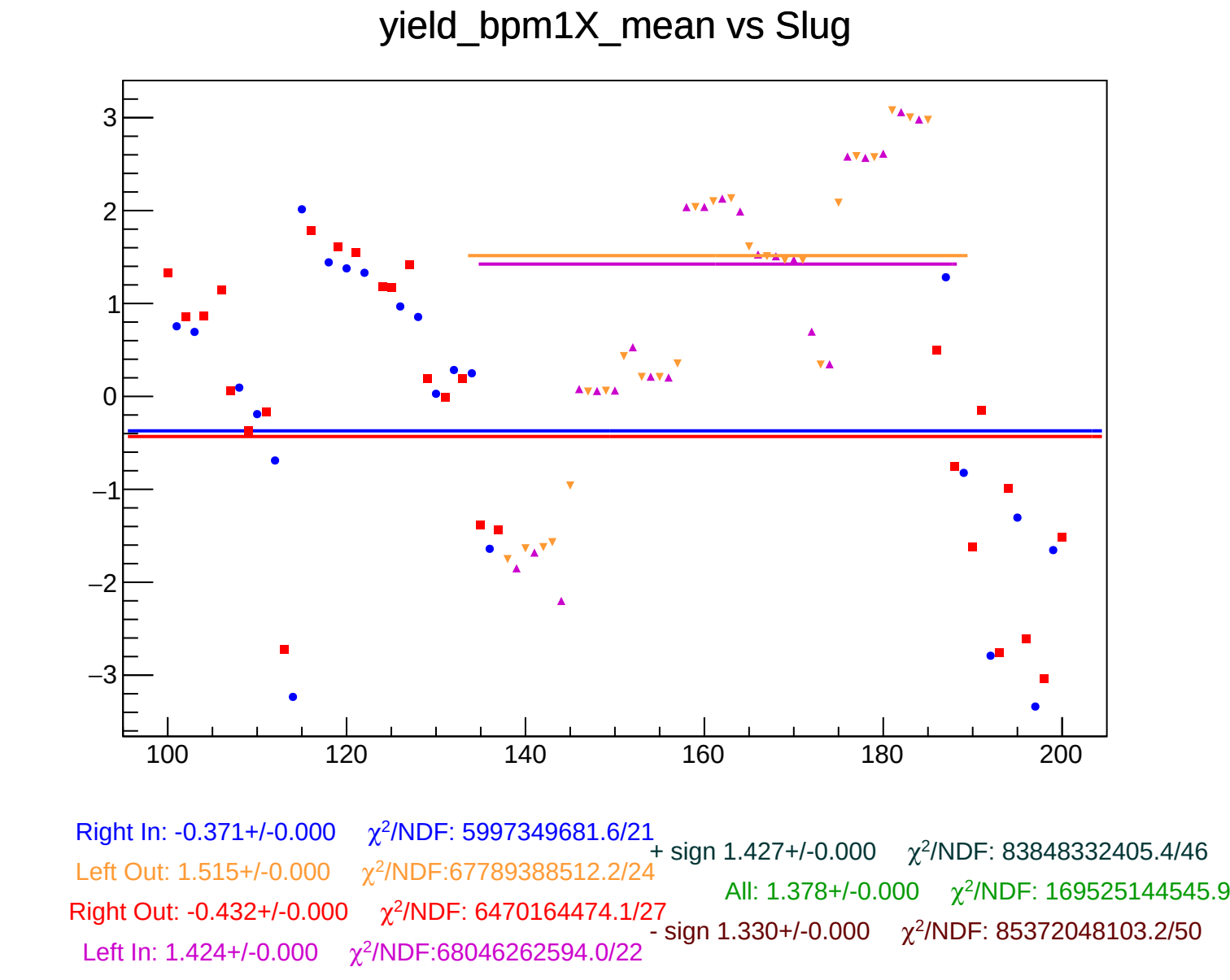
Right Out: 0.013+/-0.000 χ^2/NDF: 2109317.3/27

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

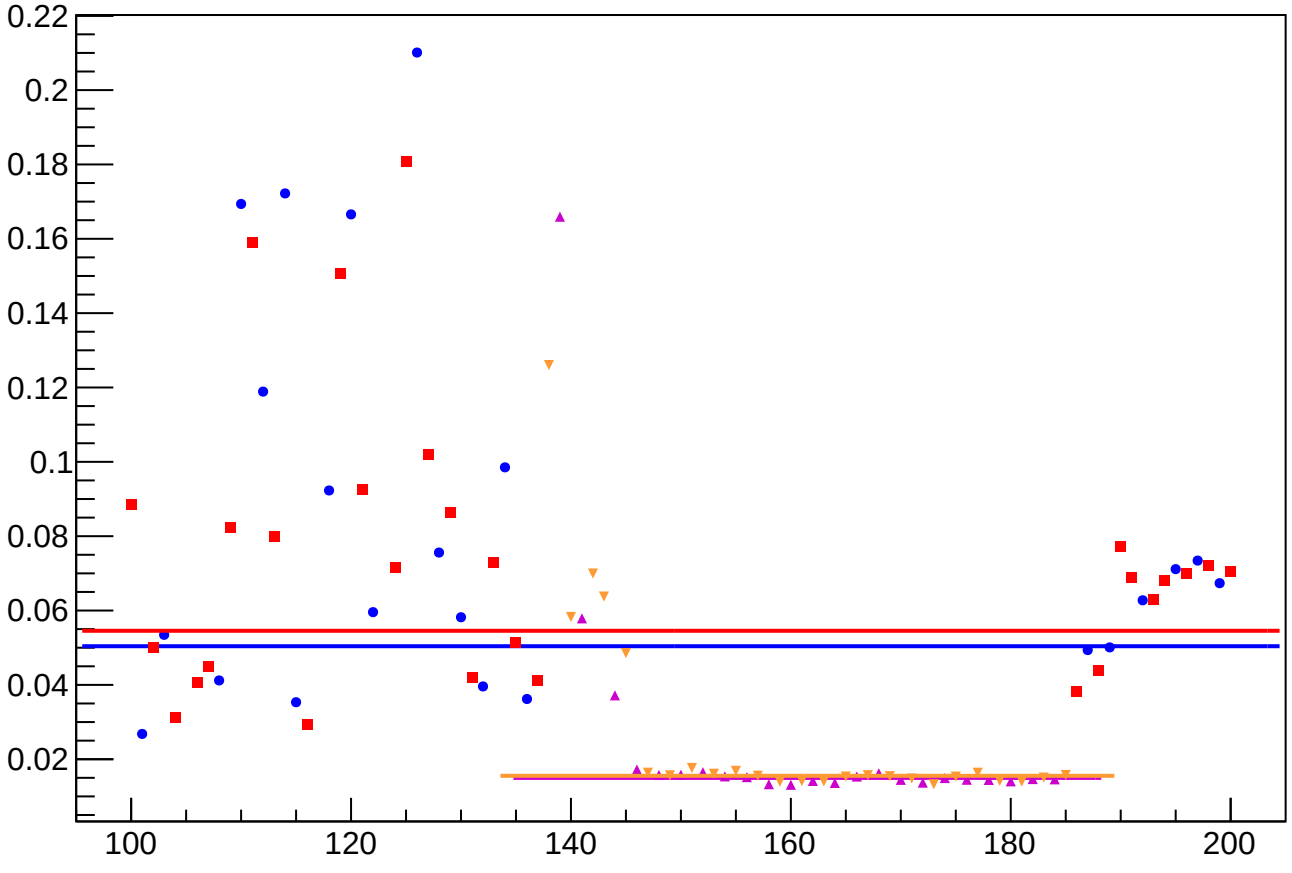
+ sign 0.011+/-0.000 χ^2/NDF: 2651308.4/46

All: 0.011+/-0.000 χ^2/NDF: 5834330.7/97

- sign 0.011+/-0.000 χ^2/NDF: 3172473.5/50


yield_bpm1X_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.371+/-0.000 χ²/NDF: 5997349681.6/21
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: -0.432+/-0.000 χ²/NDF: 6470164474.1/27
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
+ sign 1.427+/-0.000 χ²/NDF: 83848332405.4/46
All: 1.378+/-0.000 χ²/NDF: 169525144545.9
- sign 1.330+/-0.000 χ²/NDF: 85372048103.2/50

yield_bpm1X_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 3427498.1/21

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

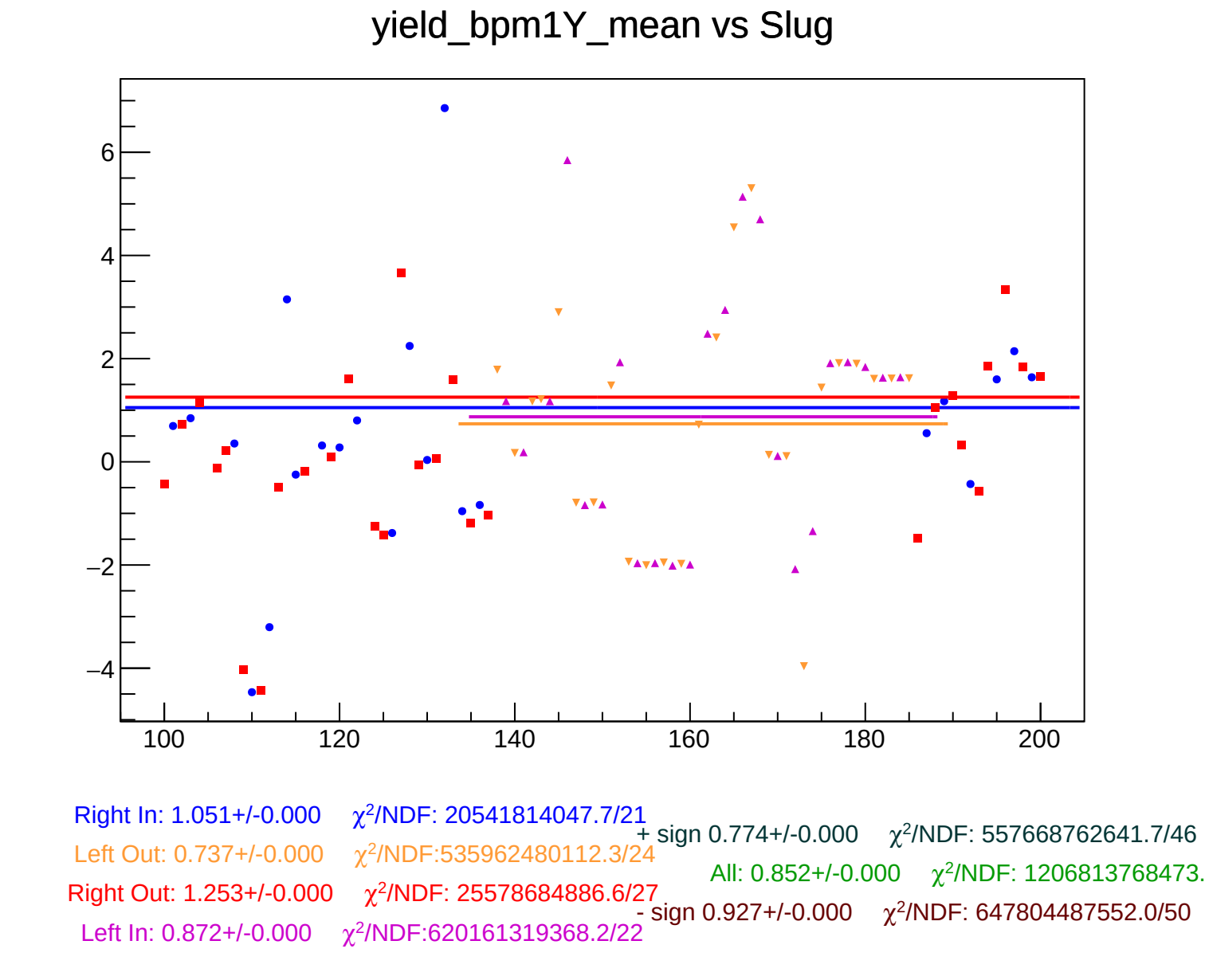
Right Out: 0.055+/-0.000 χ^2/NDF: 3062927.4/27

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

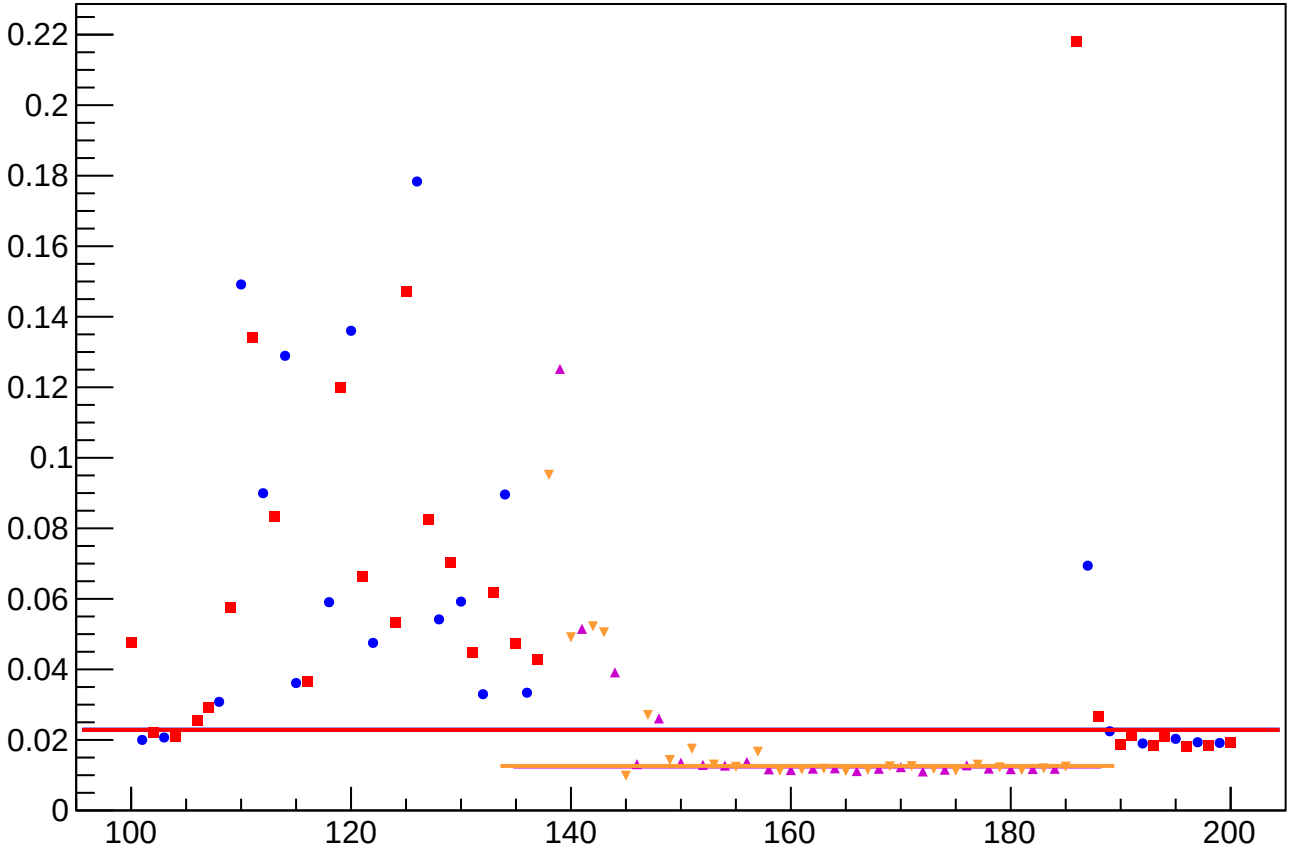
+ sign 0.017+/-0.000 χ^2/NDF: 13288511.9/46

All: 0.017+/-0.000 χ^2/NDF: 28412997.6/97

- sign 0.017+/-0.000 χ^2/NDF: 15122185.8/50


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 1.051+/-0.000 χ²/NDF: 20541814047.7/21
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.253+/-0.000 χ²/NDF: 25578684886.6/27
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.774+/-0.000 χ²/NDF: 557668762641.7/46
All: 0.852+/-0.000 χ²/NDF: 1206813768473.
- sign 0.927+/-0.000 χ²/NDF: 647804487552.0/50

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 3919569.5/21

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5035135.4/27

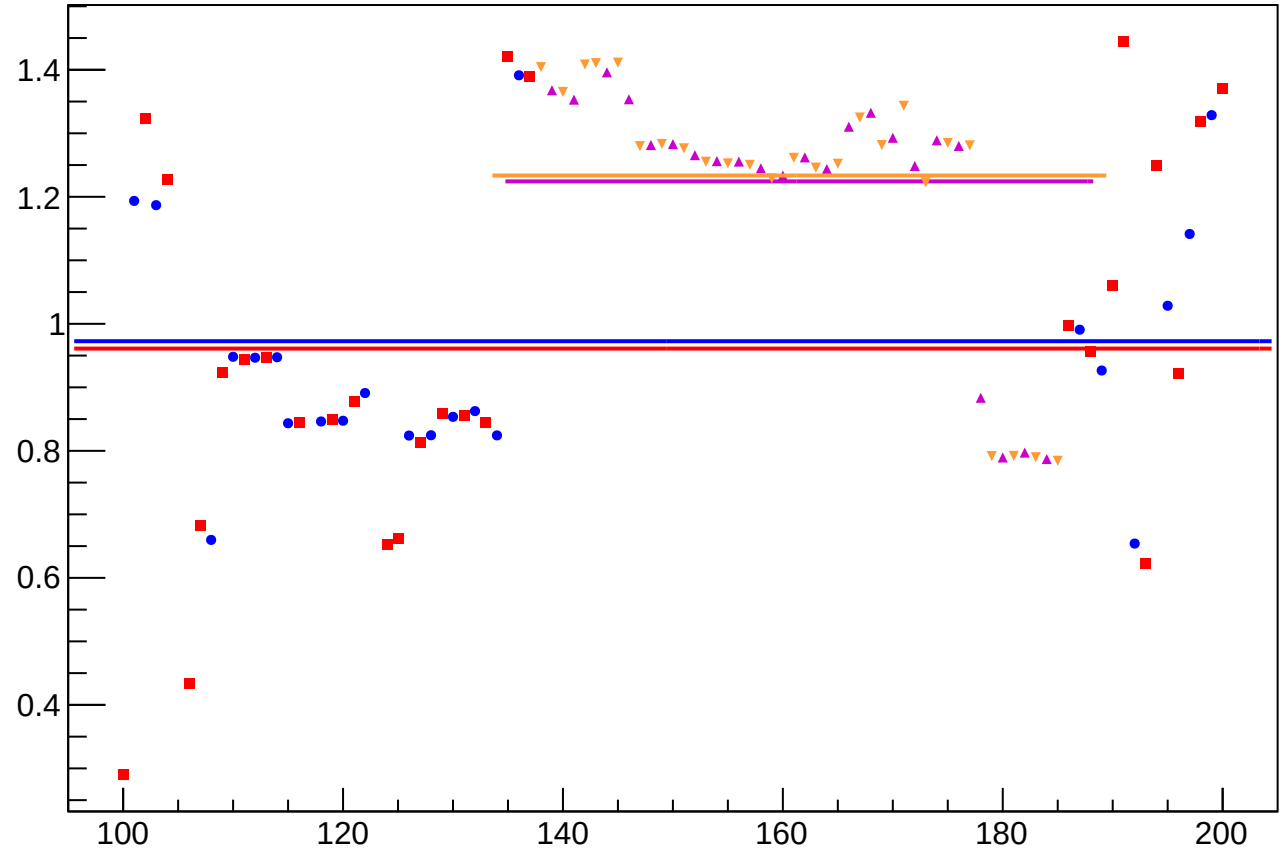
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9608106.2/46

All: 0.014+/-0.000 χ^2/NDF: 20472255.6/97

- sign 0.014+/-0.000 χ^2/NDF: 10862930.4/50

yield_bpm11X_mean vs Slug



Right In: 0.973+/-0.000 χ^2/NDF: 1704880863.7/21

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.961+/-0.000 χ^2/NDF: 2113207414.9/27

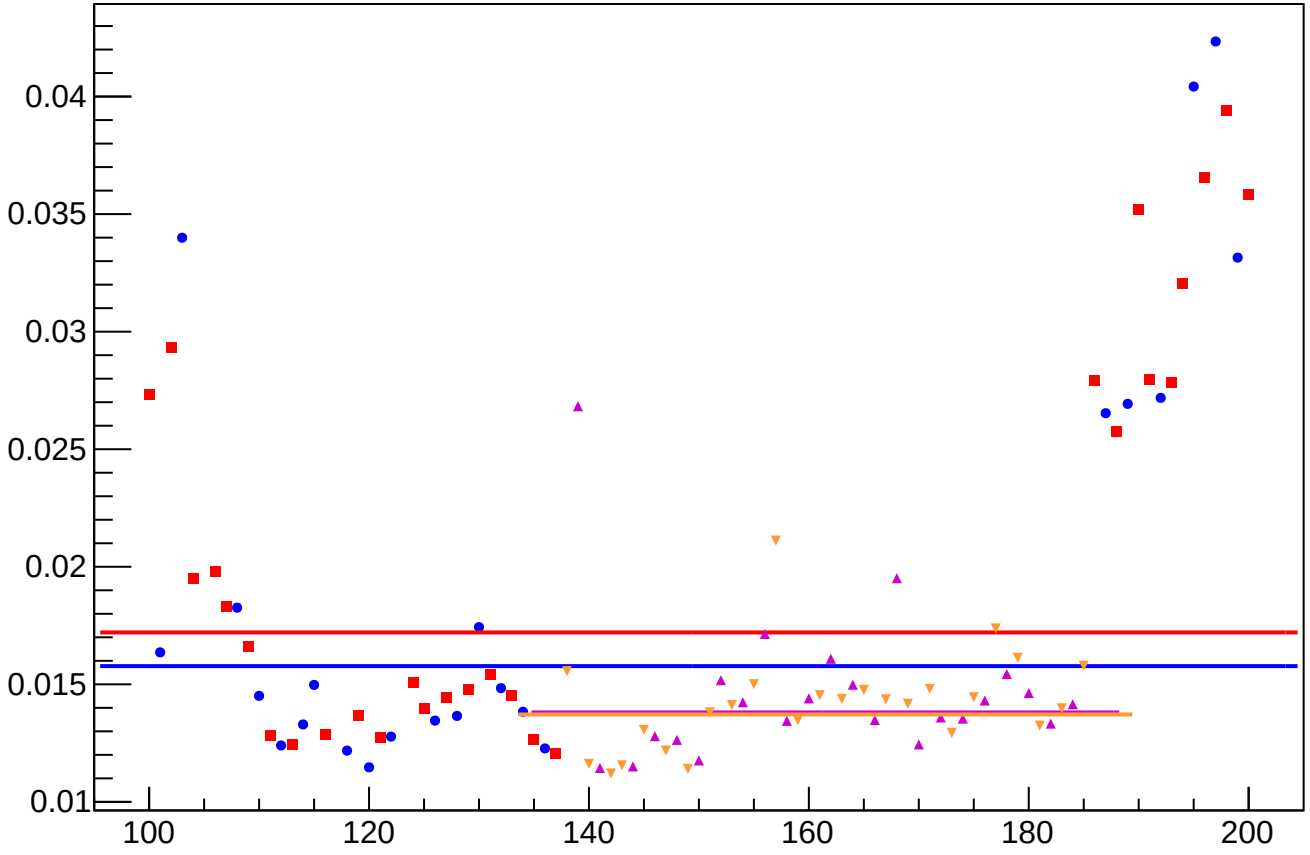
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.159+/-0.000 χ^2/NDF: 6510012726.5/46

All: 1.152+/-0.000 χ^2/NDF: 13060846261.0/9

- sign 1.145+/-0.000 χ^2/NDF: 6539748299.1/50

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 3066979.2/21

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3531615.6/27

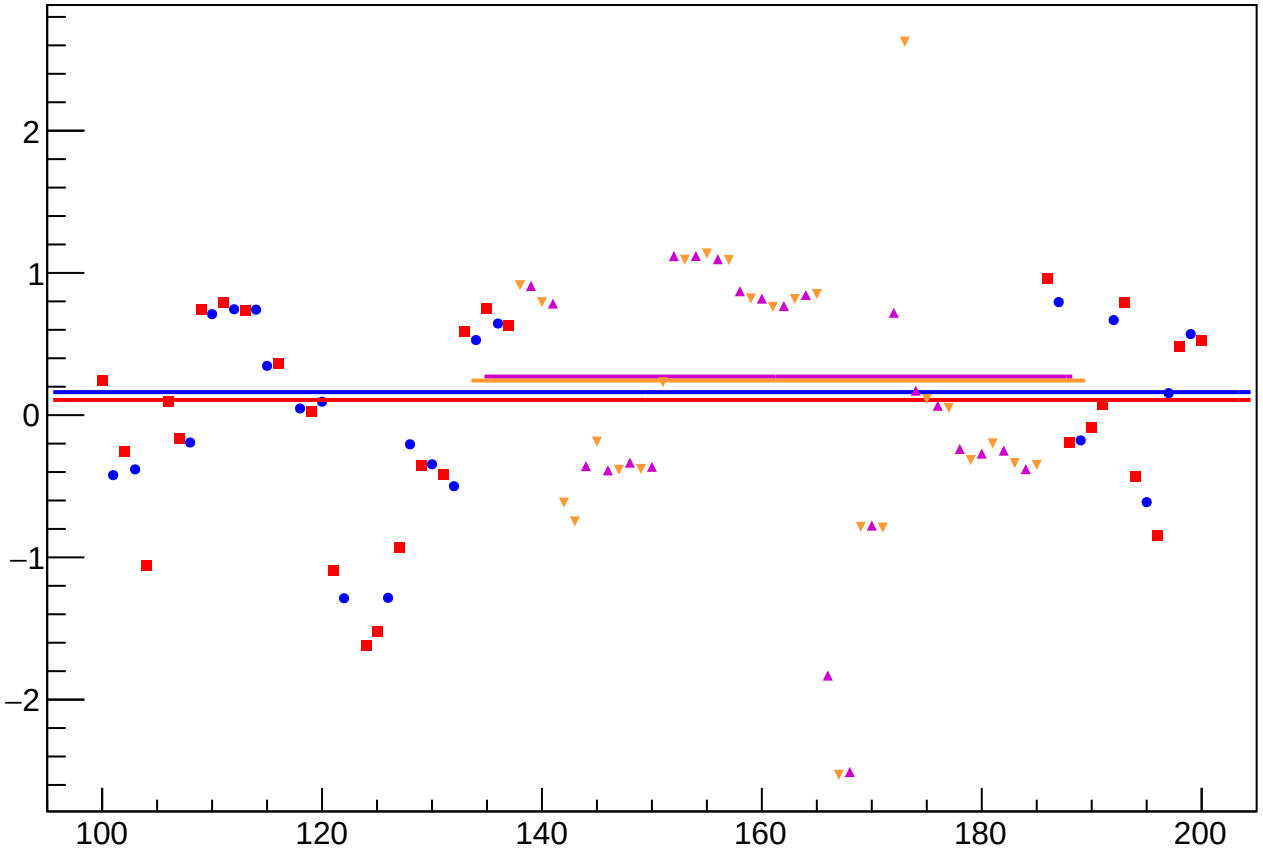
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 3836648.7/46

All: 0.015+/-0.000 χ^2/NDF: 8863829.1/97

- sign 0.015+/-0.000 χ^2/NDF: 4993919.1/50

yield_bpm11Y_mean vs Slug



Right In: 0.162+/-0.000 χ^2/NDF: 18084197561.3/21

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.107+/-0.000 χ^2/NDF: 29677031554.0/27

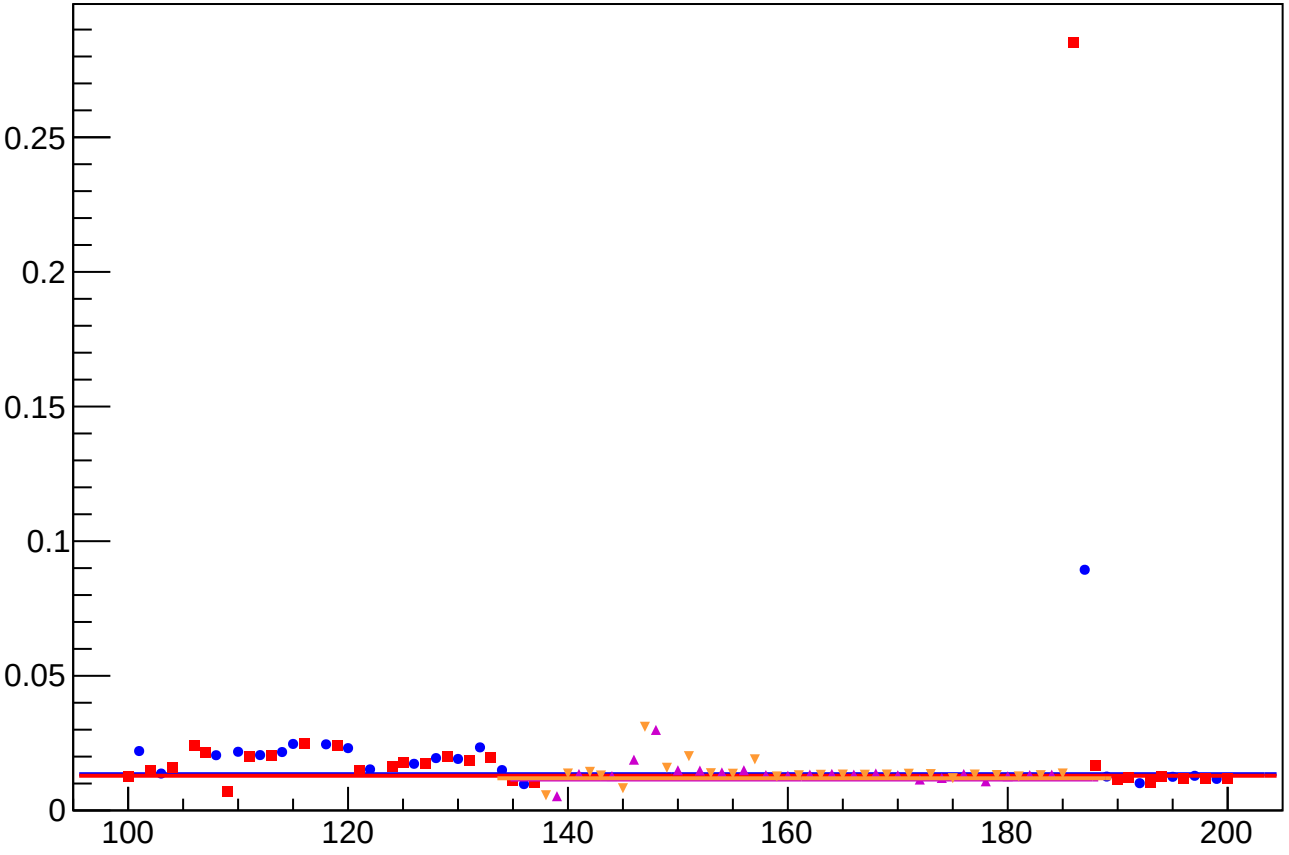
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.218+/-0.000 χ^2/NDF: 123916525108.1/46

All: 0.215+/-0.000 χ^2/NDF: 245244159975.4

- sign 0.212+/-0.000 χ^2/NDF: 121324585506.4/50

yield_bpm11Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2010014.3/21

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2671627.8/27

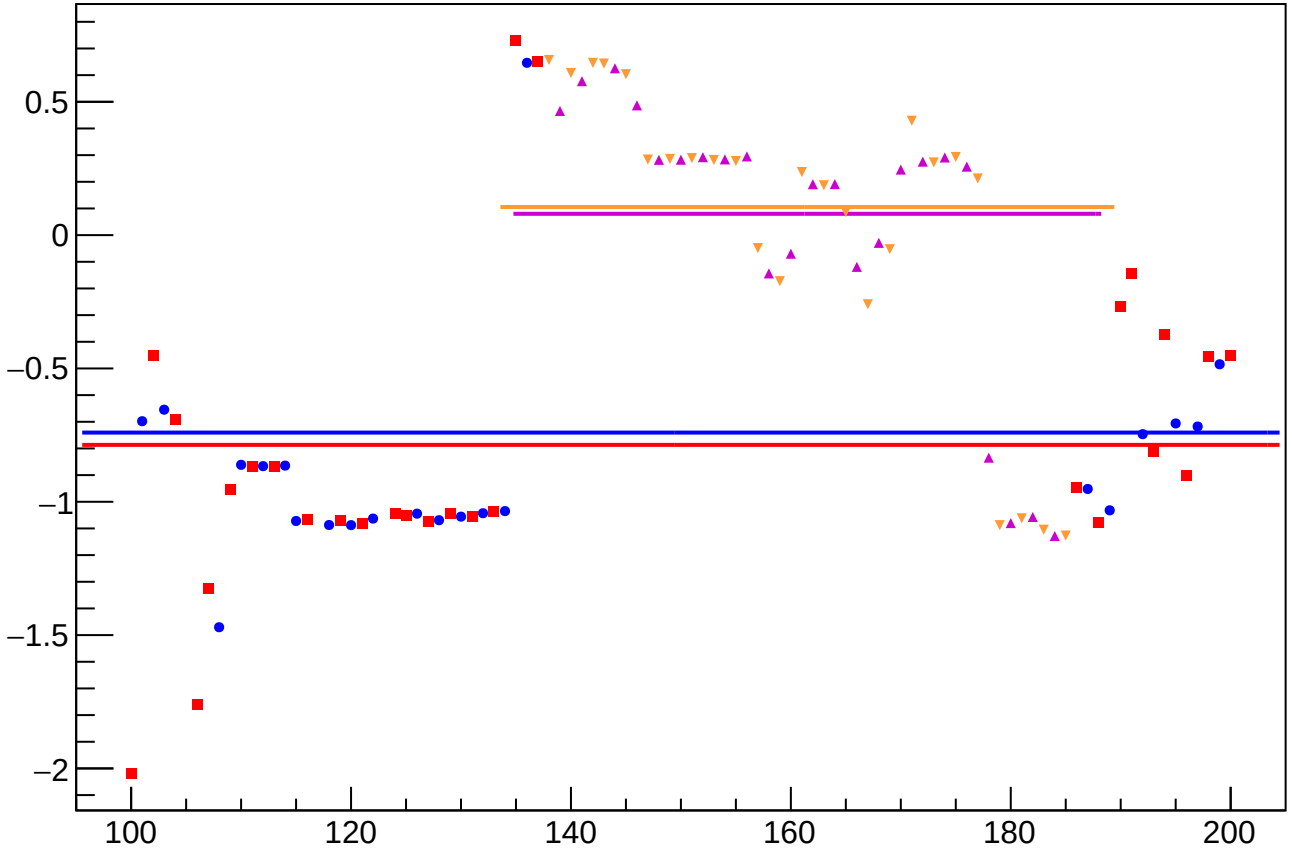
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5442763.0/46

All: 0.012+/-0.000 χ^2/NDF: 11984251.9/97

- sign 0.012+/-0.000 χ^2/NDF: 6509703.3/50

yield_bpm12X_mean vs Slug



Right In: -0.740+/-0.000 χ^2/NDF: 2096842129.2/21

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.787+/-0.000 χ^2/NDF: 1998034941.5/27

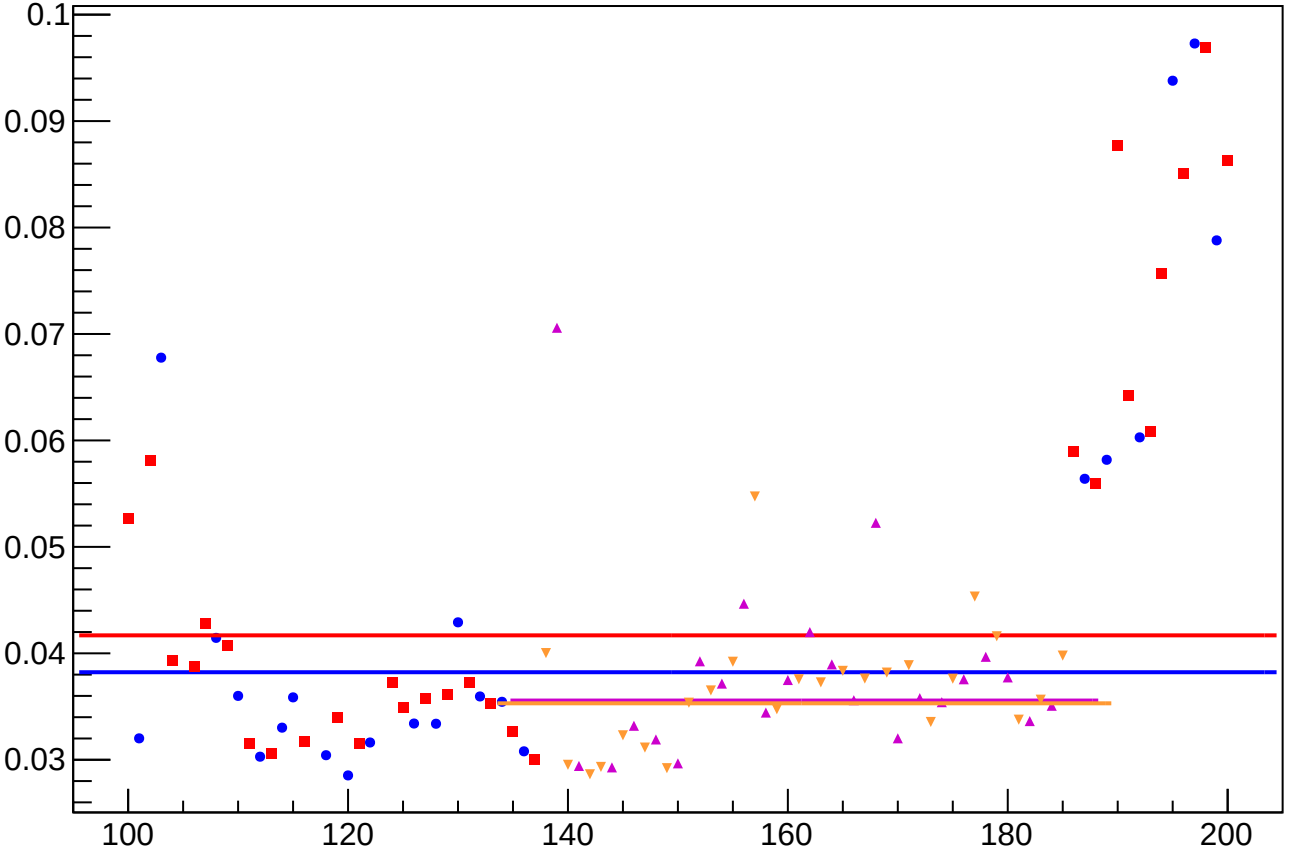
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.165+/-0.000 χ^2/NDF: 8966155964.1/46

All: -0.186+/-0.000 χ^2/NDF: 17428529070.6/

- sign -0.208+/-0.000 χ^2/NDF: 8444060999.1/50

yield_bpm12X_rms vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 2647666.5/21

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

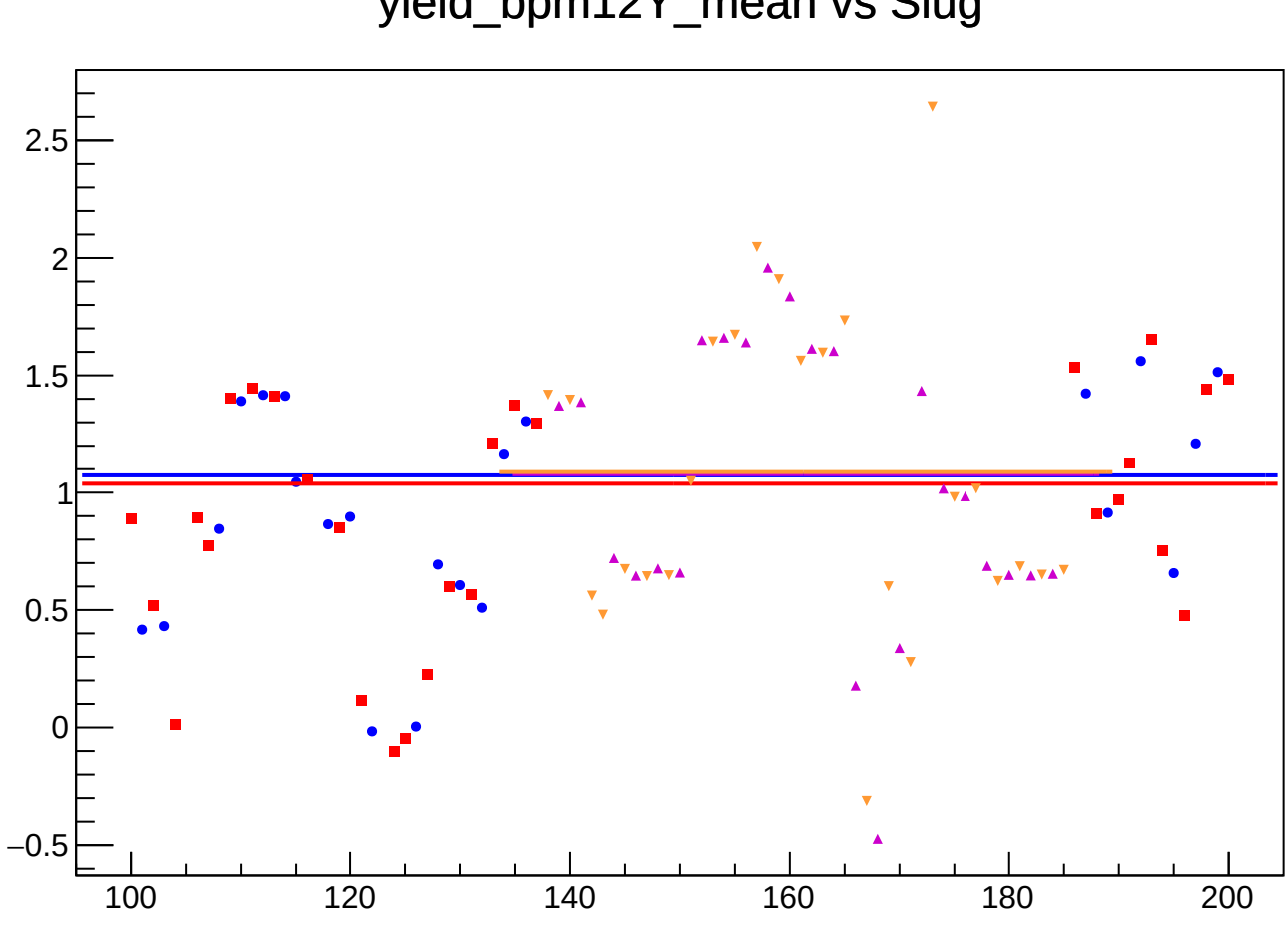
Right Out: 0.042+/-0.000 χ^2/NDF: 2997232.0/27

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

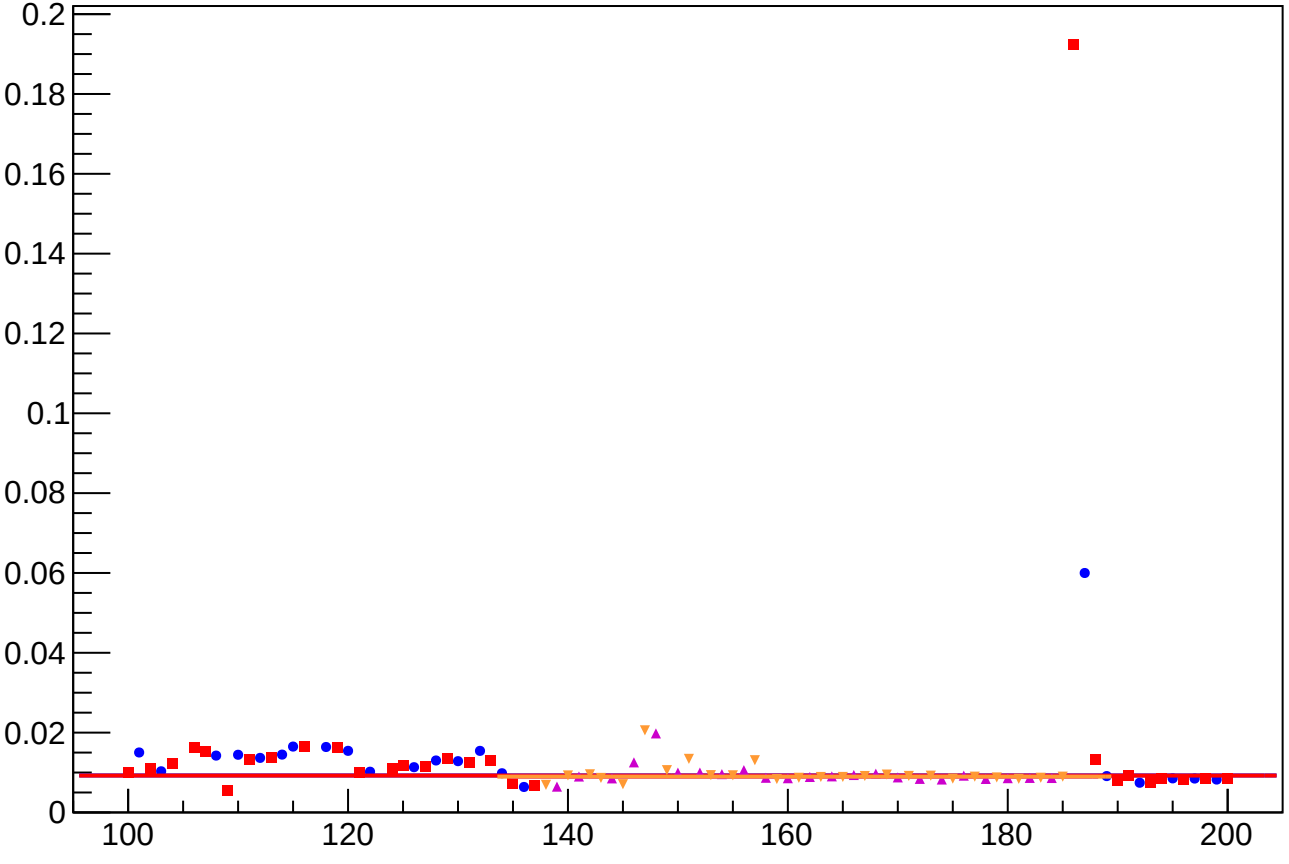
+ sign 0.036+/-0.000 χ^2/NDF: 3333794.8/46

All: 0.037+/-0.000 χ^2/NDF: 7644912.9/97

- sign 0.038+/-0.000 χ^2/NDF: 4275001.0/50


yield_bpm12Y_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 1.074+/-0.000 χ²/NDF: 23464033443.8/21
Left Out: 1.088+/-0.000 χ²/NDF:93851056436.3/24
Right Out: 1.038+/-0.000 χ²/NDF: 32919514667.0/27
Left In: 1.079+/-0.000 χ²/NDF:74081002727.0/22
+ sign 1.083+/-0.000 χ²/NDF: 117329875934.3/46
All: 1.073+/-0.000 χ²/NDF: 224533428351.9
- sign 1.063+/-0.000 χ²/NDF: 107135881231.1/50

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1898041.0/21

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2381193.9/27

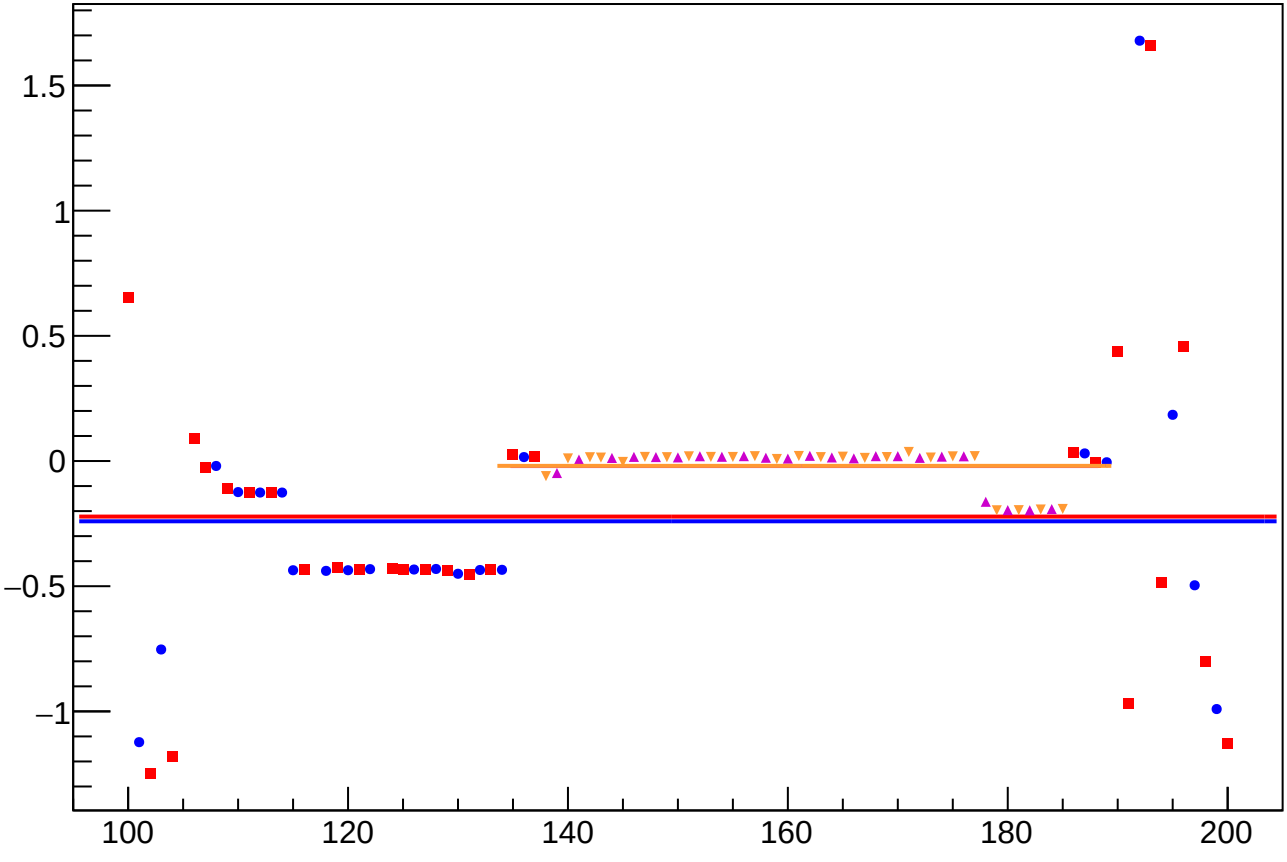
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3058114.4/46

All: 0.009+/-0.000 χ^2/NDF: 6420300.3/97

- sign 0.009+/-0.000 χ^2/NDF: 3362131.2/50

yield_bpm16X_mean vs Slug



Right In: -0.241+/-0.000 χ^2/NDF: 3147236223.6/21

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

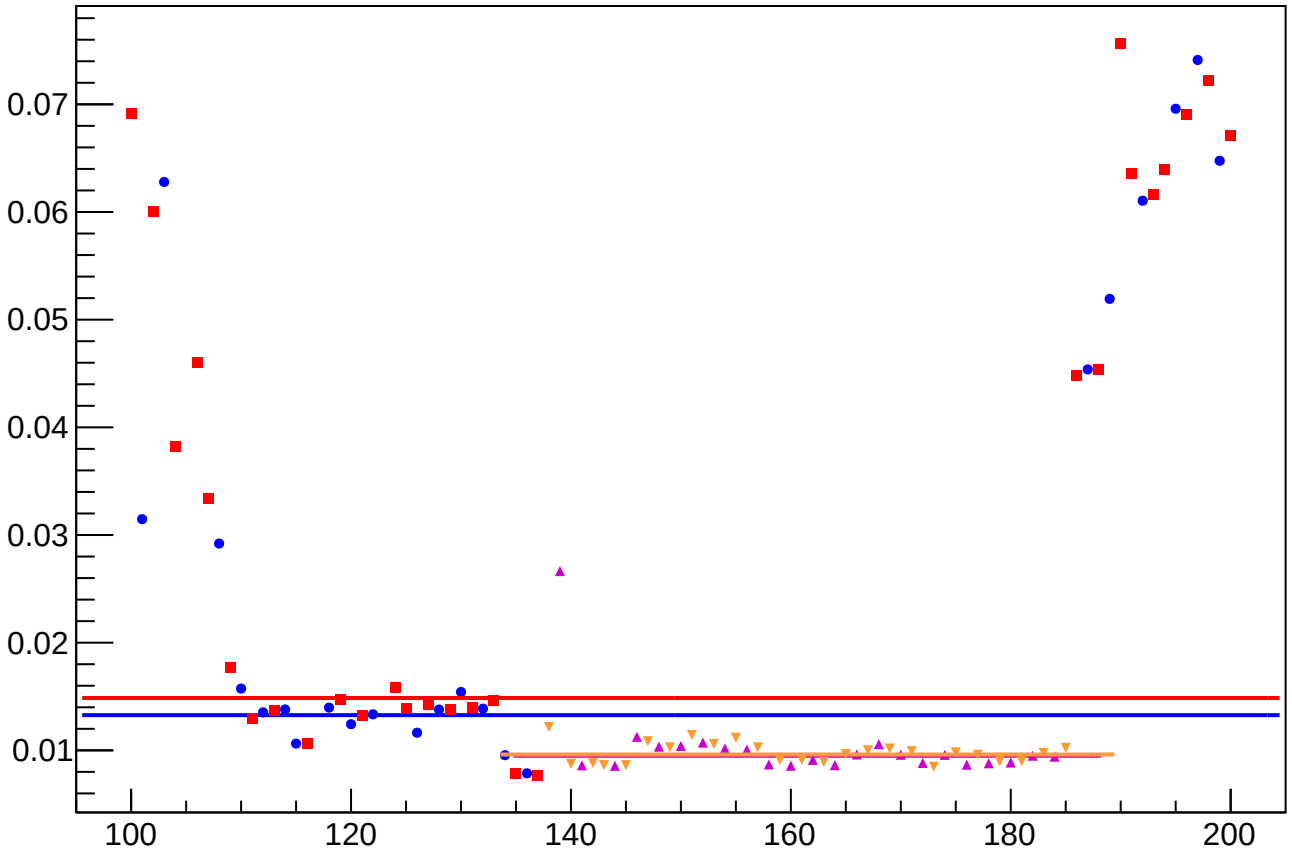
Right Out: -0.222+/-0.000 χ^2/NDF: 2894259008.7/27

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.057+/-0.000 χ^2/NDF: 5691582016.0/46

All: -0.055+/-0.000 χ^2/NDF: 10707938110.8/

- sign -0.053+/-0.000 χ^2/NDF: 5014922683.1/50



Right In: 0.013+/-0.000 χ^2/NDF: 7228168.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 9357123.2/27

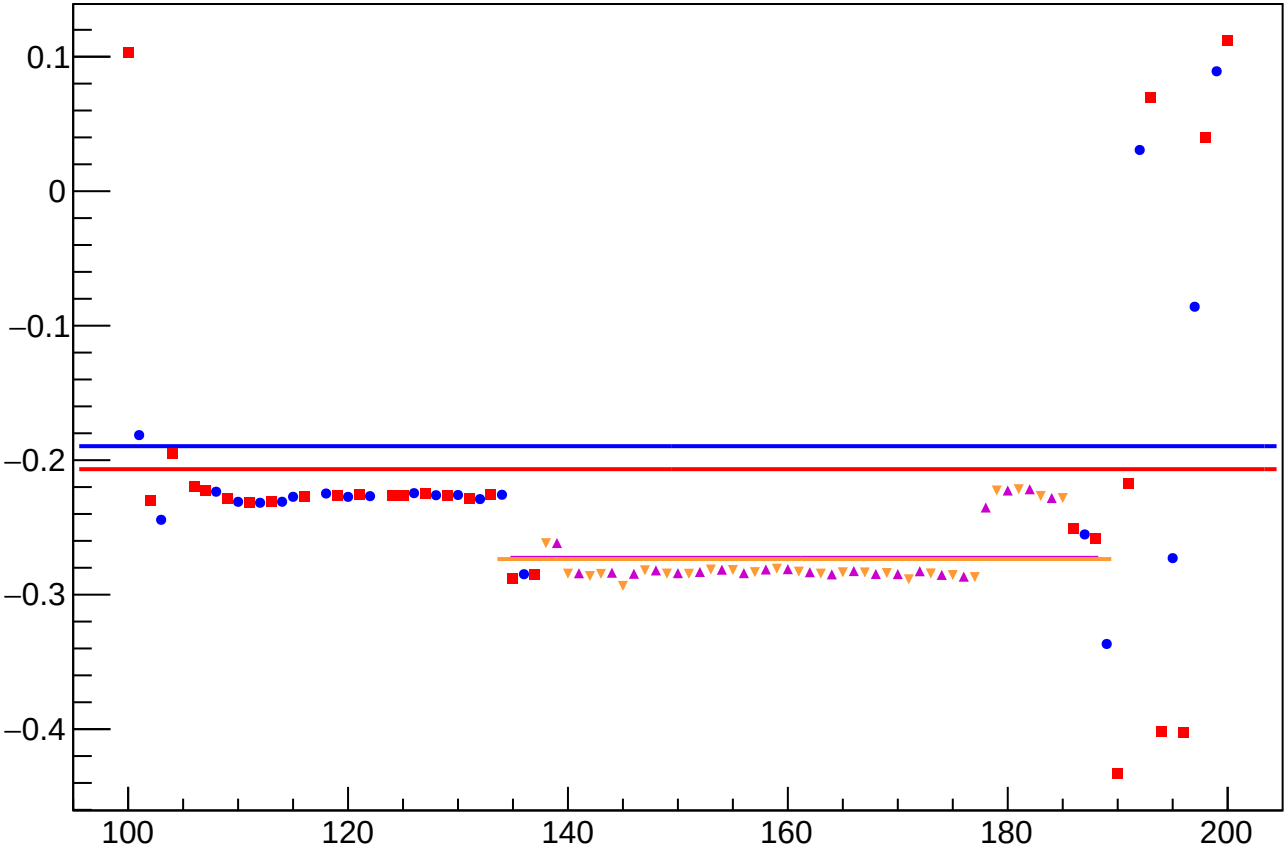
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 8309617.7/46

All: 0.010+/-0.000 χ^2/NDF: 20178567.8/97

- sign 0.010+/-0.000 χ^2/NDF: 11864606.1/50

yield_bpm16Y_mean vs Slug



Right In: -0.190+/-0.000 χ^2/NDF: 4662643763.5/21

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.207+/-0.000 χ^2/NDF: 8019147856.7/27

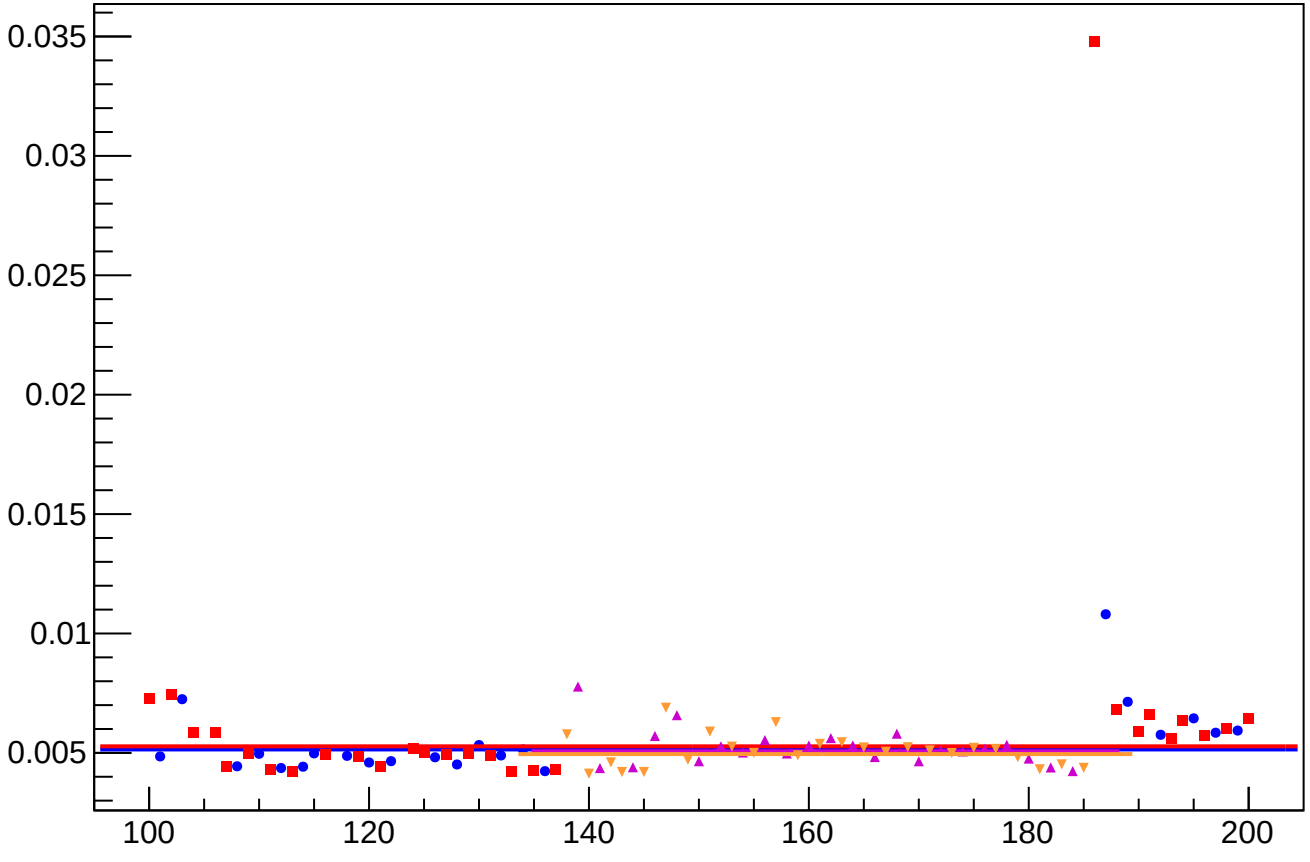
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.244+/-0.000 χ^2/NDF: 6856779778.7/46

All: -0.246+/-0.000 χ^2/NDF: 16360798568.0/

- sign -0.247+/-0.000 χ^2/NDF: 9501553145.0/50

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 589061.7/21

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

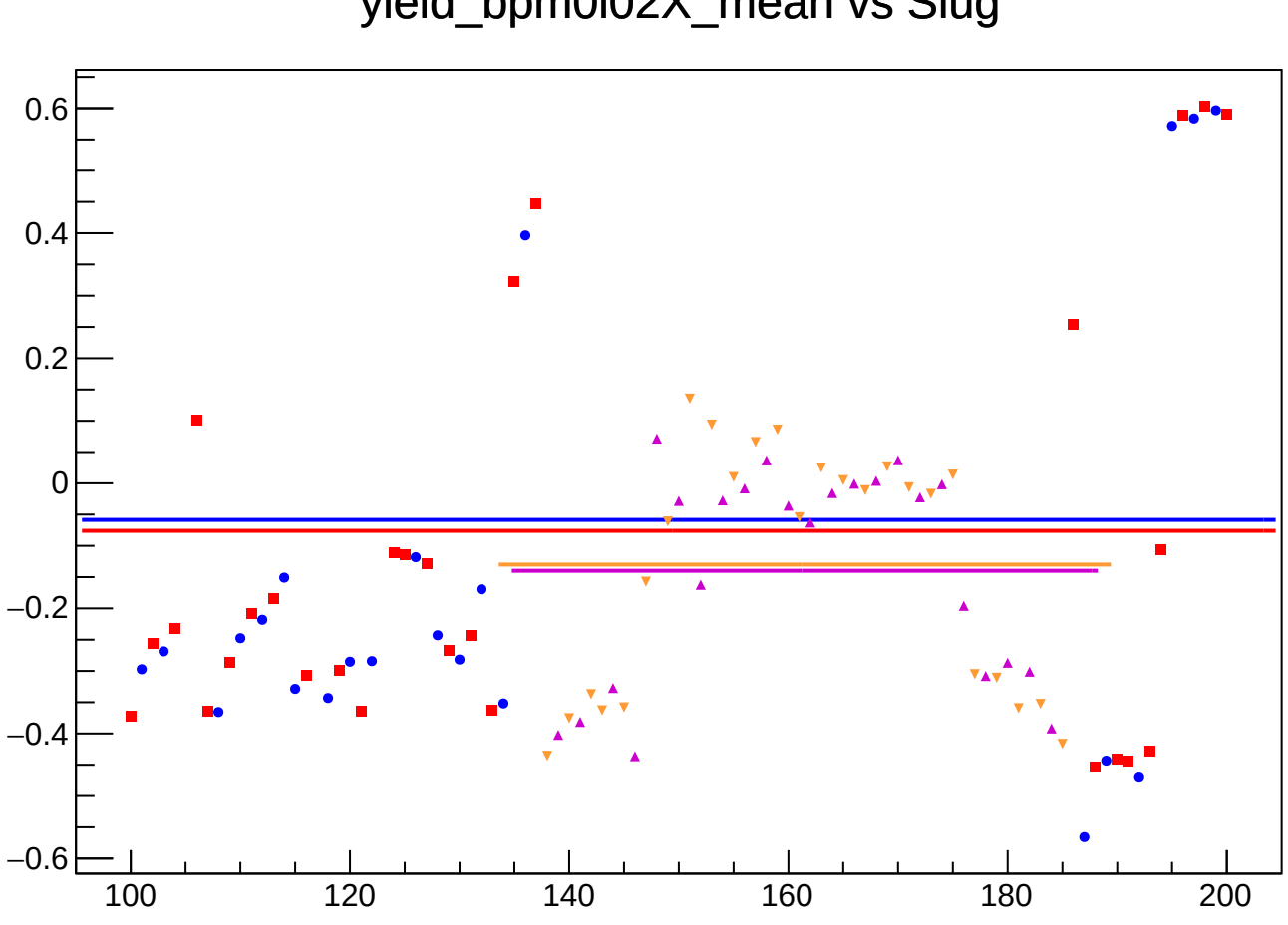
Right Out: 0.005+/-0.000 χ^2/NDF: 1238661.3/27

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1137031.3/46

All: 0.005+/-0.000 χ^2/NDF: 2957160.8/97

- sign 0.005+/-0.000 χ^2/NDF: 1800840.1/50



Right In: -0.058+/-0.000 χ^2/NDF: 39053089401.6/21

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

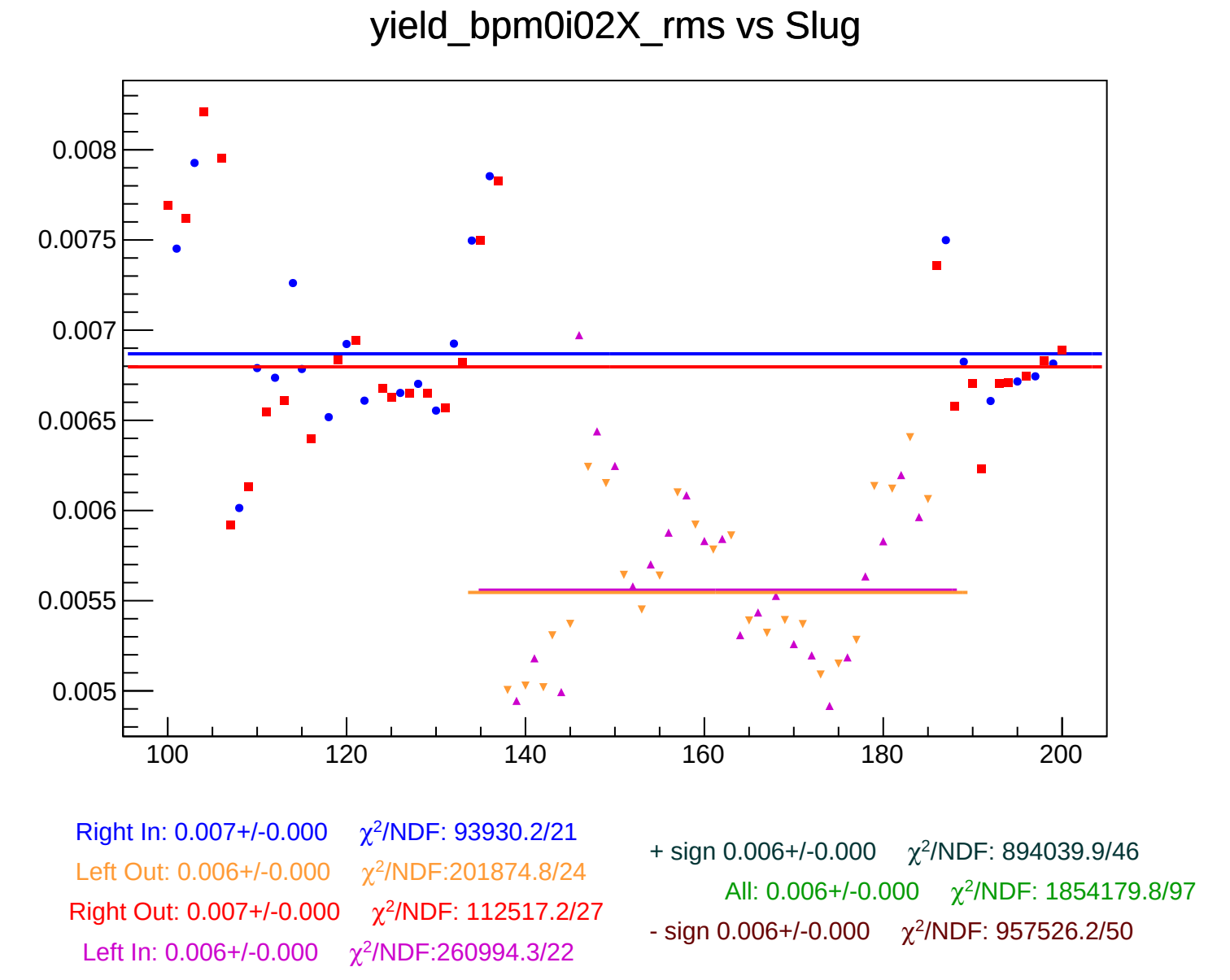
Right Out: -0.076+/-0.000 χ^2/NDF: 40008446355.5/27

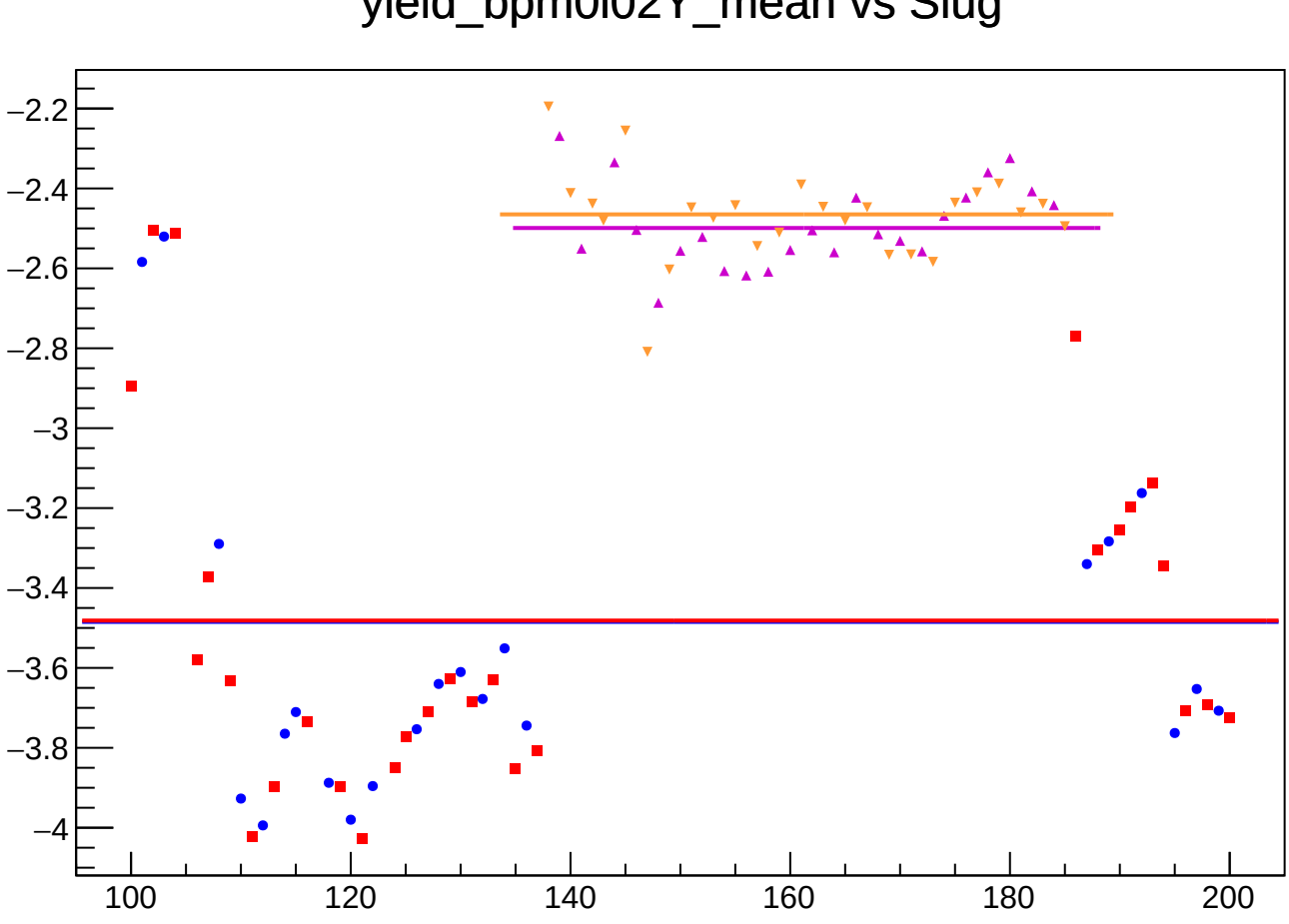
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.109+/-0.000 χ^2/NDF: 61421830760.8/46

All: -0.114+/-0.000 χ^2/NDF: 117389019571.8

- sign -0.118+/-0.000 χ^2/NDF: 55935881958.6/50


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 93930.2/21
Left Out: 0.006+/-0.000 χ²/NDF:201874.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 112517.2/27
Left In: 0.006+/-0.000 χ²/NDF:260994.3/22
+ sign 0.006+/-0.000 χ²/NDF: 894039.9/46
All: 0.006+/-0.000 χ²/NDF: 1854179.8/97
- sign 0.006+/-0.000 χ²/NDF: 957526.2/50



Right In: -3.485+/-0.000 χ^2/NDF: 31499270224.7/21

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.482+/-0.000 χ^2/NDF: 33601875064.2/27

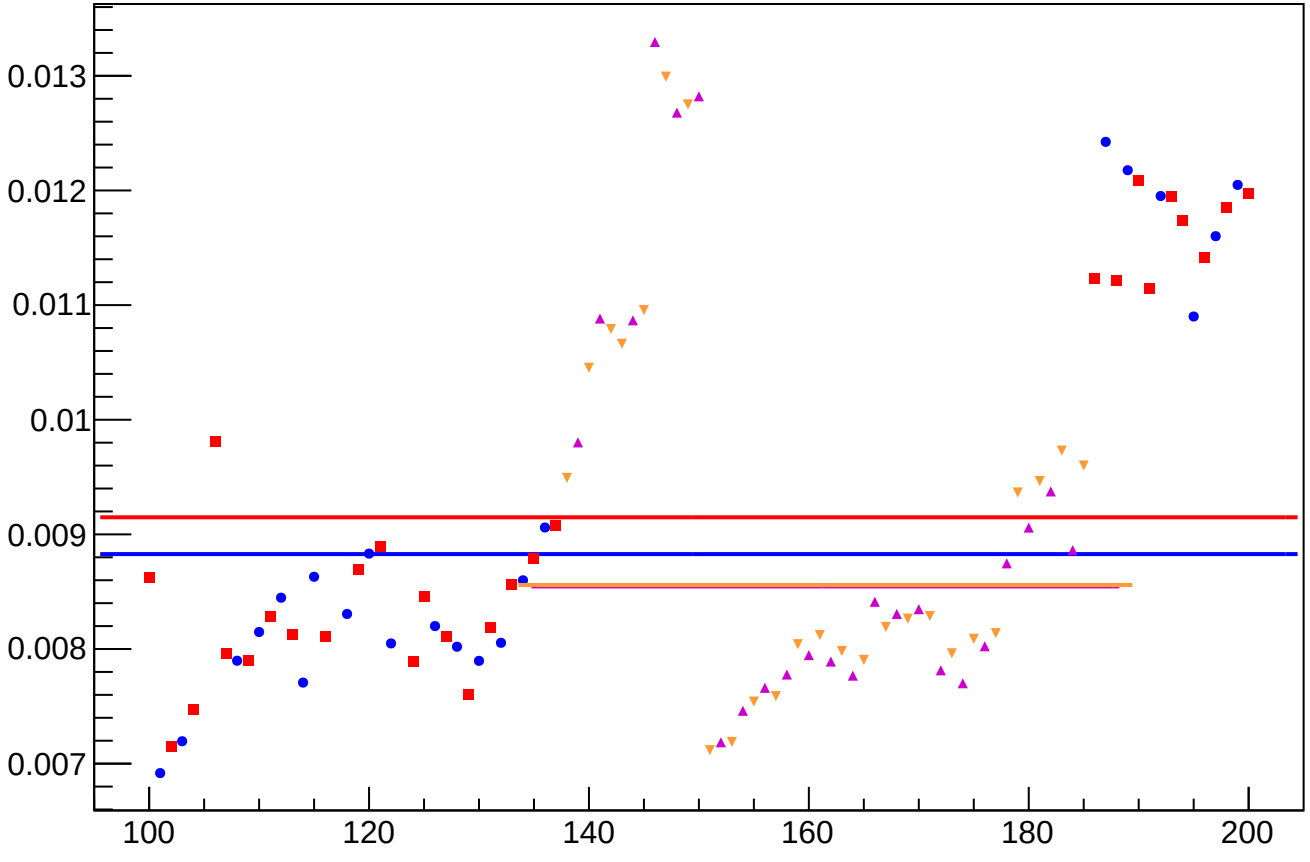
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.833+/-0.000 χ^2/NDF: 126358991398.2/46

All: -2.860+/-0.000 χ^2/NDF: 252123910647.9

- sign -2.888+/-0.000 χ^2/NDF: 125193678081.0/50

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 750829.8/21

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 866714.1/27

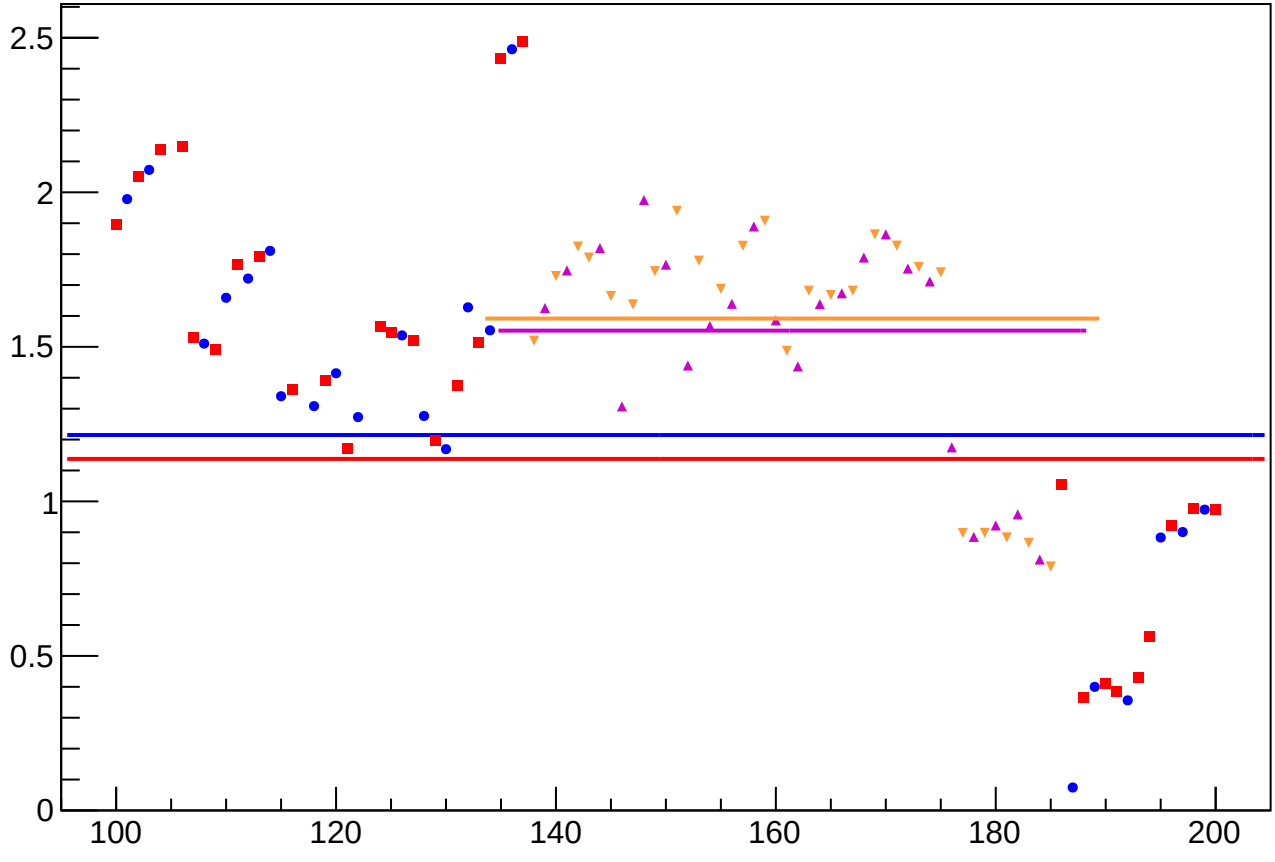
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1587815.0/46

All: 0.009+/-0.000 χ^2/NDF: 3439008.3/97

- sign 0.009+/-0.000 χ^2/NDF: 1844786.6/50

yield_bpm0i02aX_mean vs Slug



Right In: 1.215+/-0.000 χ^2/NDF: 28412374999.4/21

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.137+/-0.000 χ^2/NDF: 34093878267.8/27

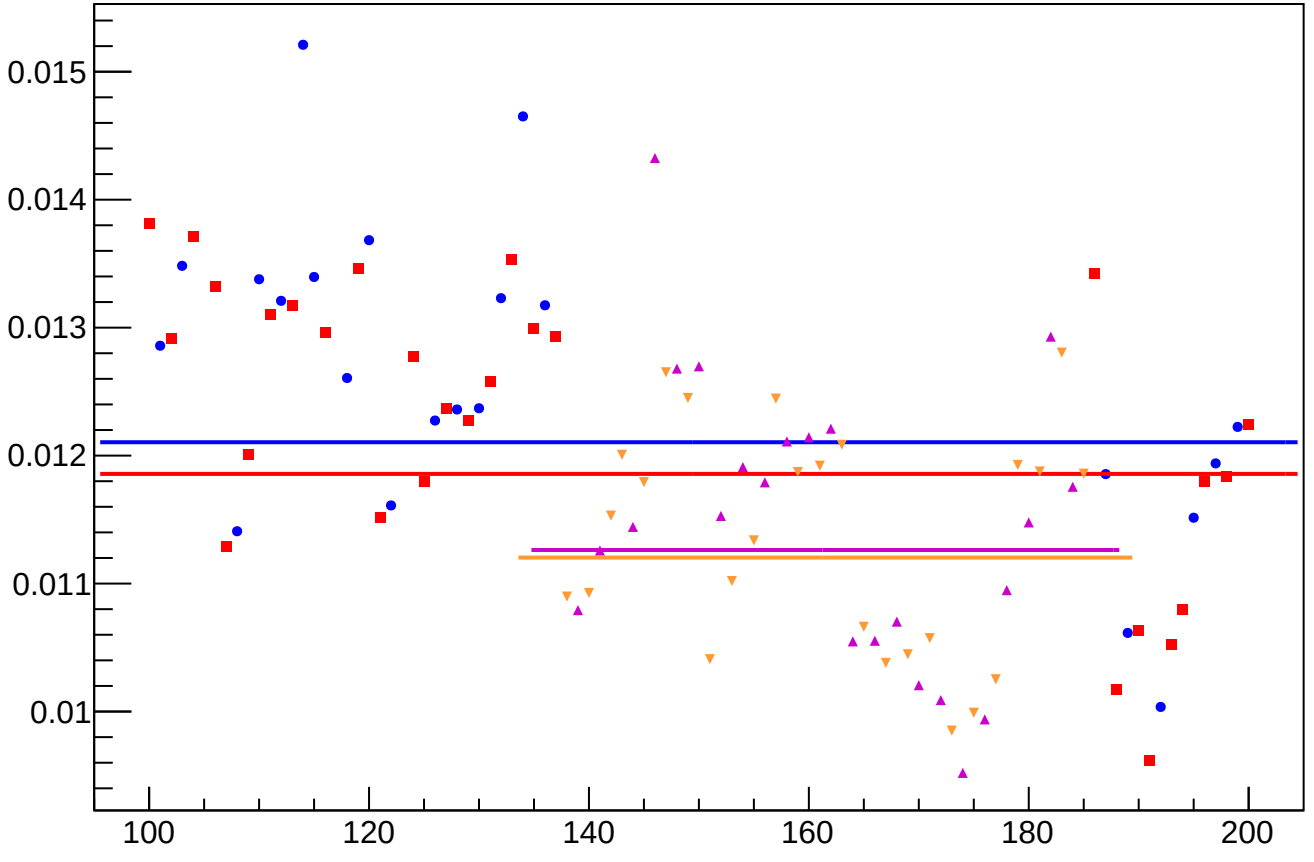
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.463+/-0.000 χ^2/NDF: 52631074043.3/46

All: 1.422+/-0.000 χ^2/NDF: 111089068608.2

- sign 1.383+/-0.000 χ^2/NDF: 57740957018.0/50

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 205186.2/21

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

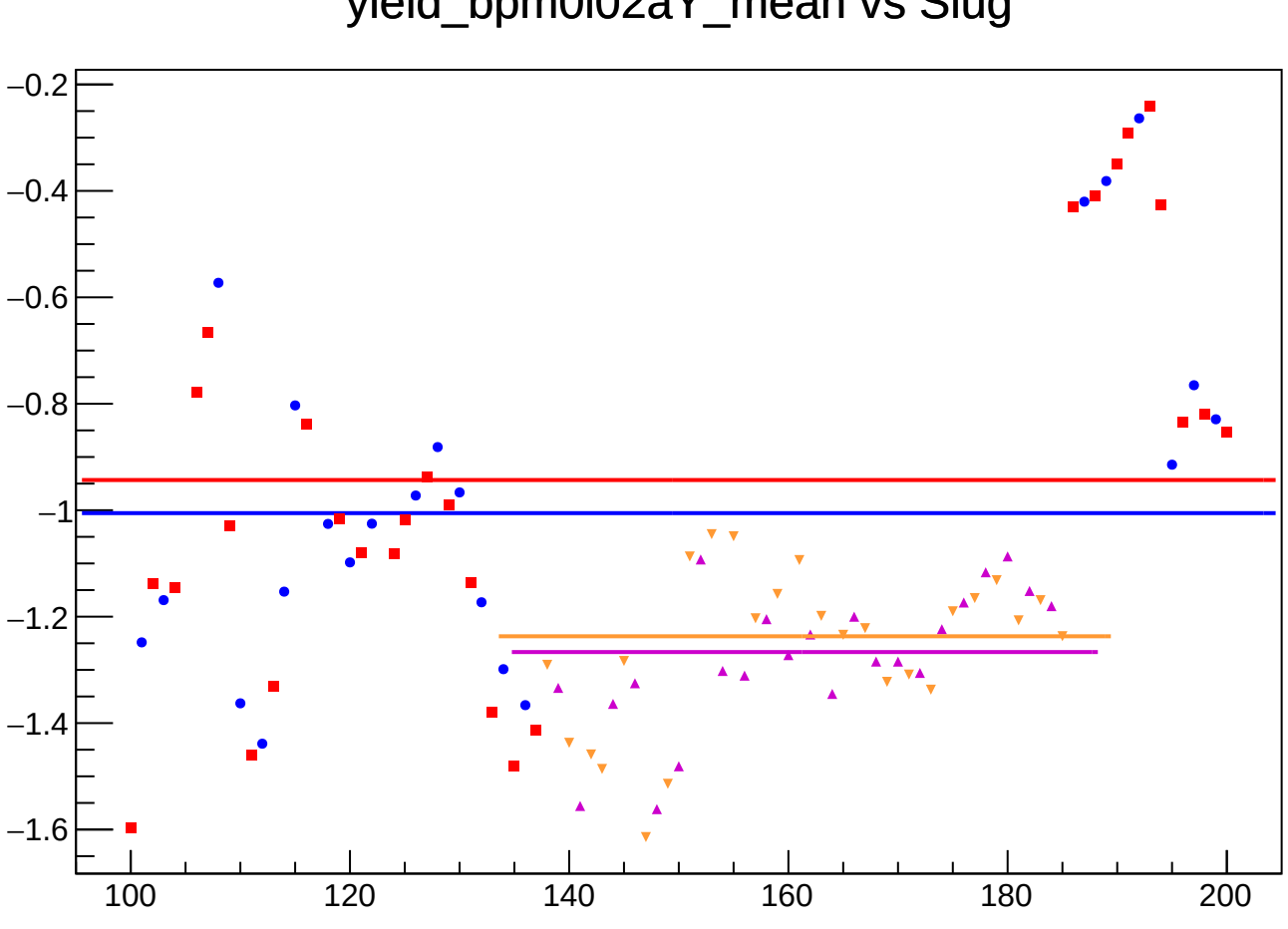
Right Out: 0.012+/-0.000 χ^2/NDF: 246848.9/27

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 510474.3/46

All: 0.012+/-0.000 χ^2/NDF: 1108398.2/97

- sign 0.012+/-0.000 χ^2/NDF: 597914.2/50



Right In: -1.005+/-0.000 χ^2/NDF: 11489929183.1/21

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

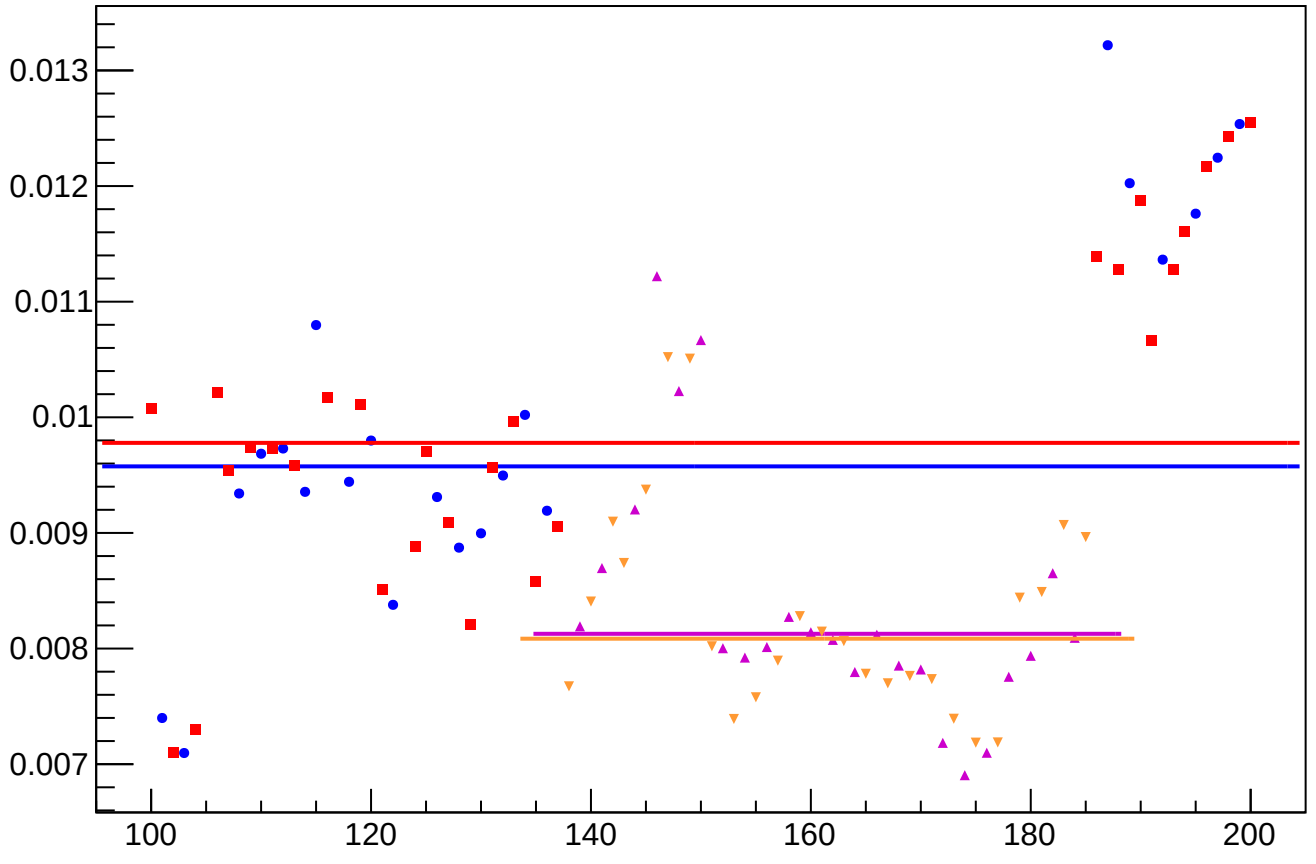
Right Out: -0.943+/-0.000 χ^2/NDF: 16556778016.0/27

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.168+/-0.000 χ^2/NDF: 20885617169.2/46

All: -1.162+/-0.000 χ^2/NDF: 50332513277.7/

- sign -1.157+/-0.000 χ^2/NDF: 29423461296.5/50



Right In: 0.010+/-0.000 χ^2/NDF: 635091.3/21

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 736990.6/27

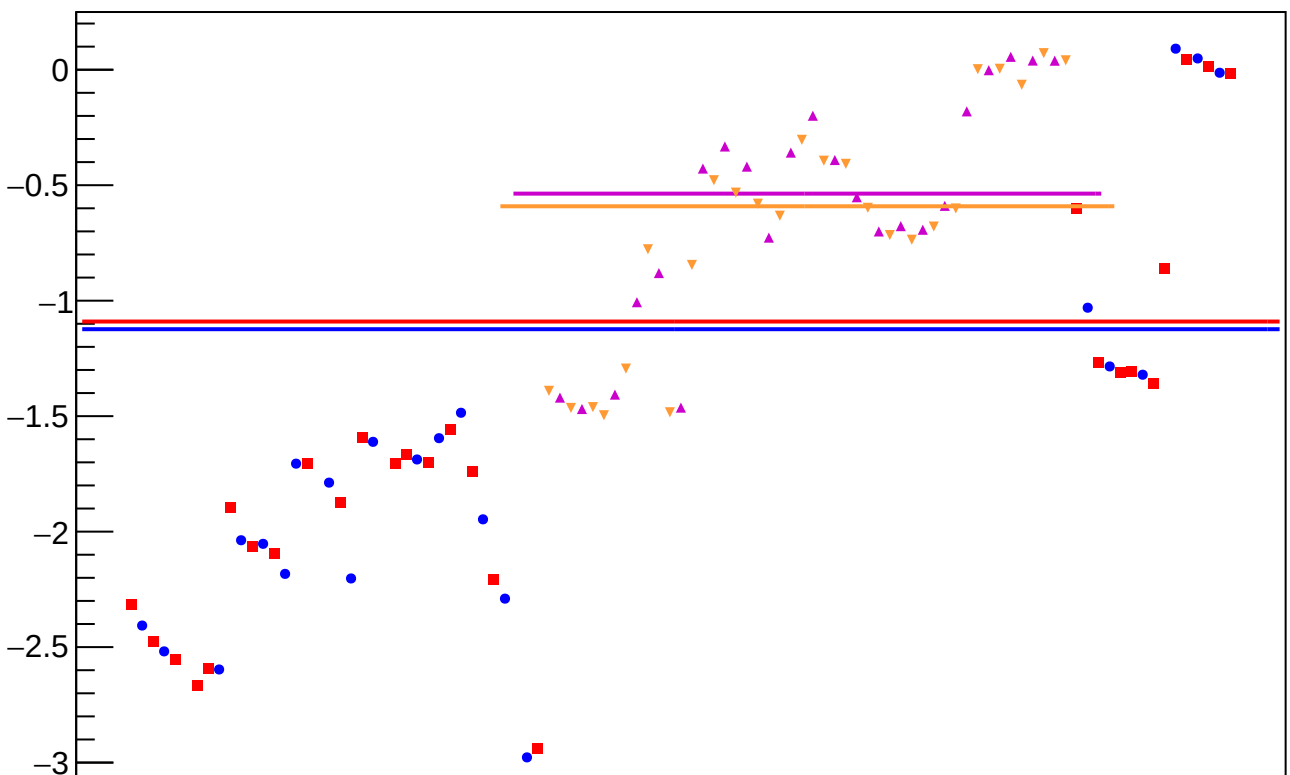
Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1328818.4/46

All: 0.009+/-0.000 χ^2/NDF: 2964343.8/97

- sign 0.009+/-0.000 χ^2/NDF: 1625773.3/50

yield_bpm0i05X_mean vs Slug



Right In: -1.124+/-0.000 χ^2/NDF: 265039399401.2/21

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.090+/-0.000 χ^2/NDF: 290949511247.0/27

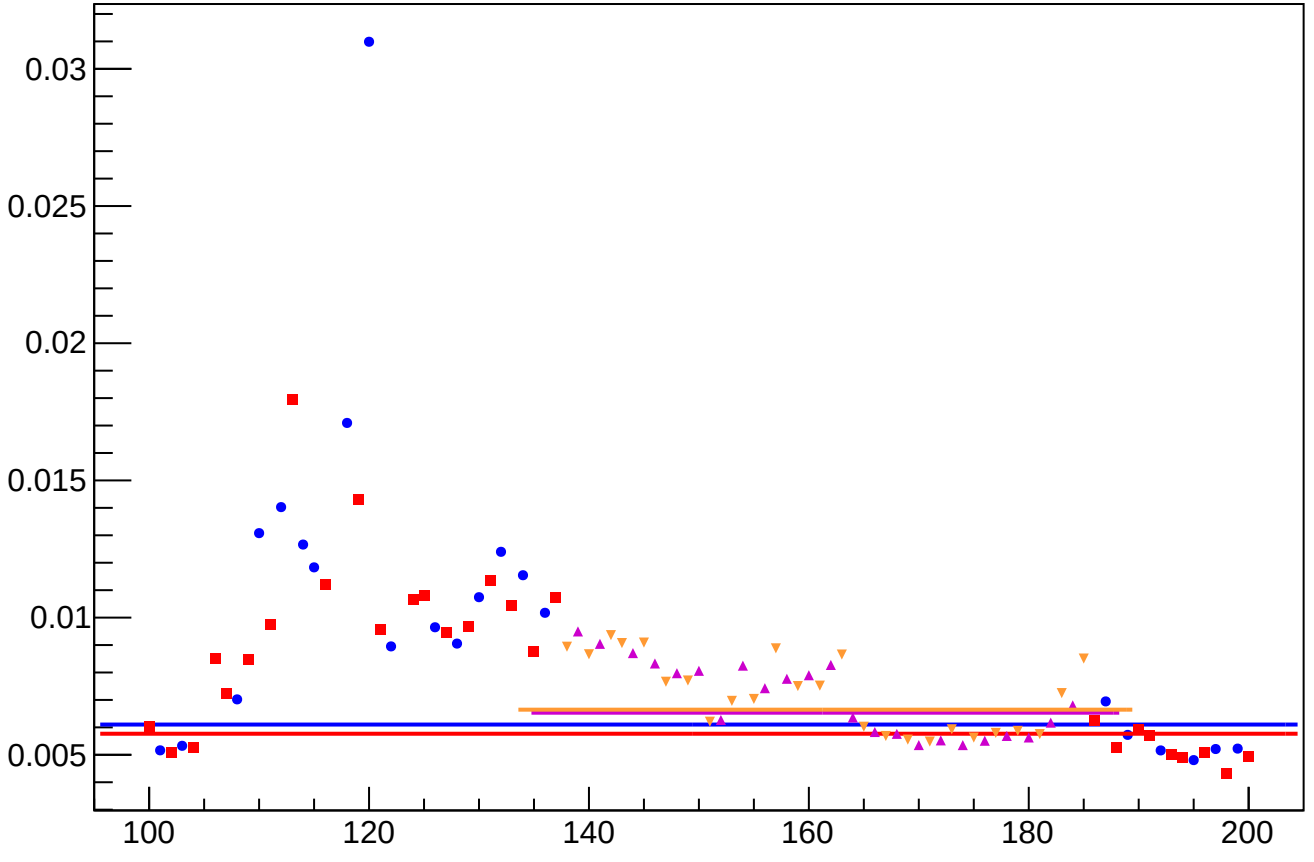
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.795+/-0.000 χ^2/NDF: 378795833720.5/46

All: -0.795+/-0.000 χ^2/NDF: 793148350937.9

- sign -0.795+/-0.000 χ^2/NDF: 414352377539.9/50

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2400687.3/21

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

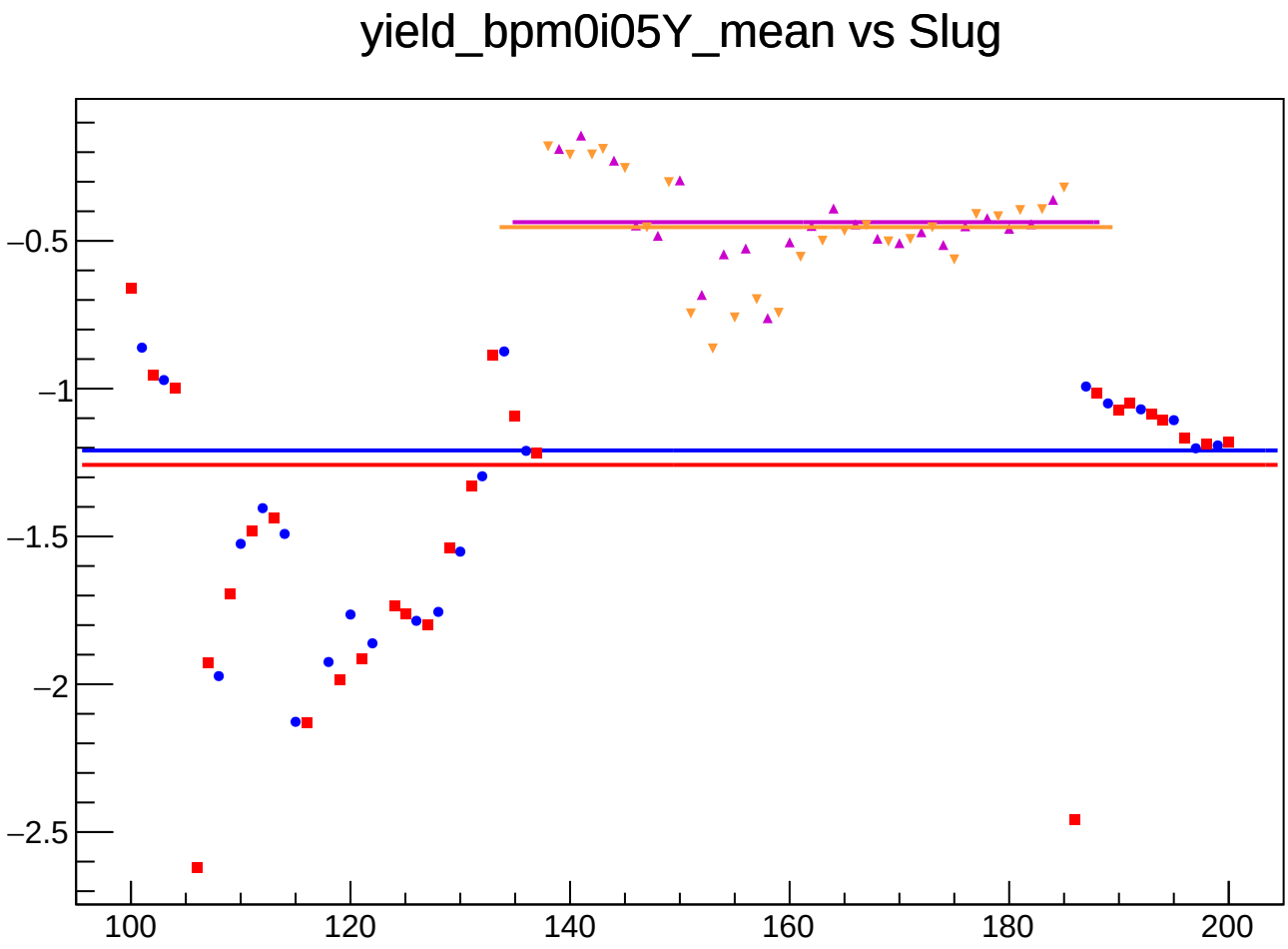
Right Out: 0.006+/-0.000 χ^2/NDF: 2344193.6/27

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3577911.7/46

All: 0.006+/-0.000 χ^2/NDF: 7322037.4/97

- sign 0.006+/-0.000 χ^2/NDF: 3699473.8/50



Right In: -1.209+/-0.000 χ^2/NDF: 27046465717.0/21

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.258+/-0.000 χ^2/NDF: 71670208986.2/27

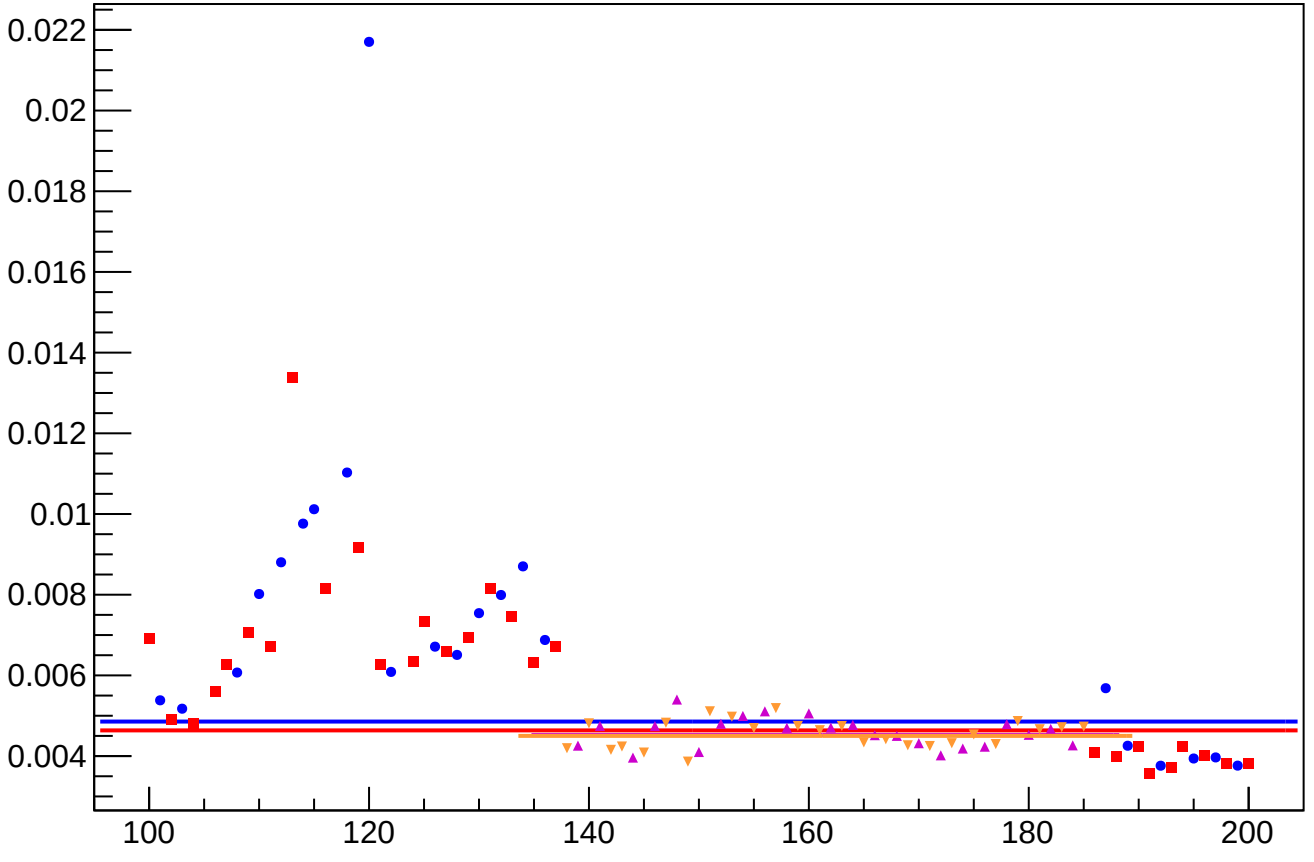
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.684+/-0.000 χ^2/NDF: 207437919973.4/46

All: -0.721+/-0.000 χ^2/NDF: 512314301936.8

- sign -0.756+/-0.000 χ^2/NDF: 301558495525.2/50

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1993028.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

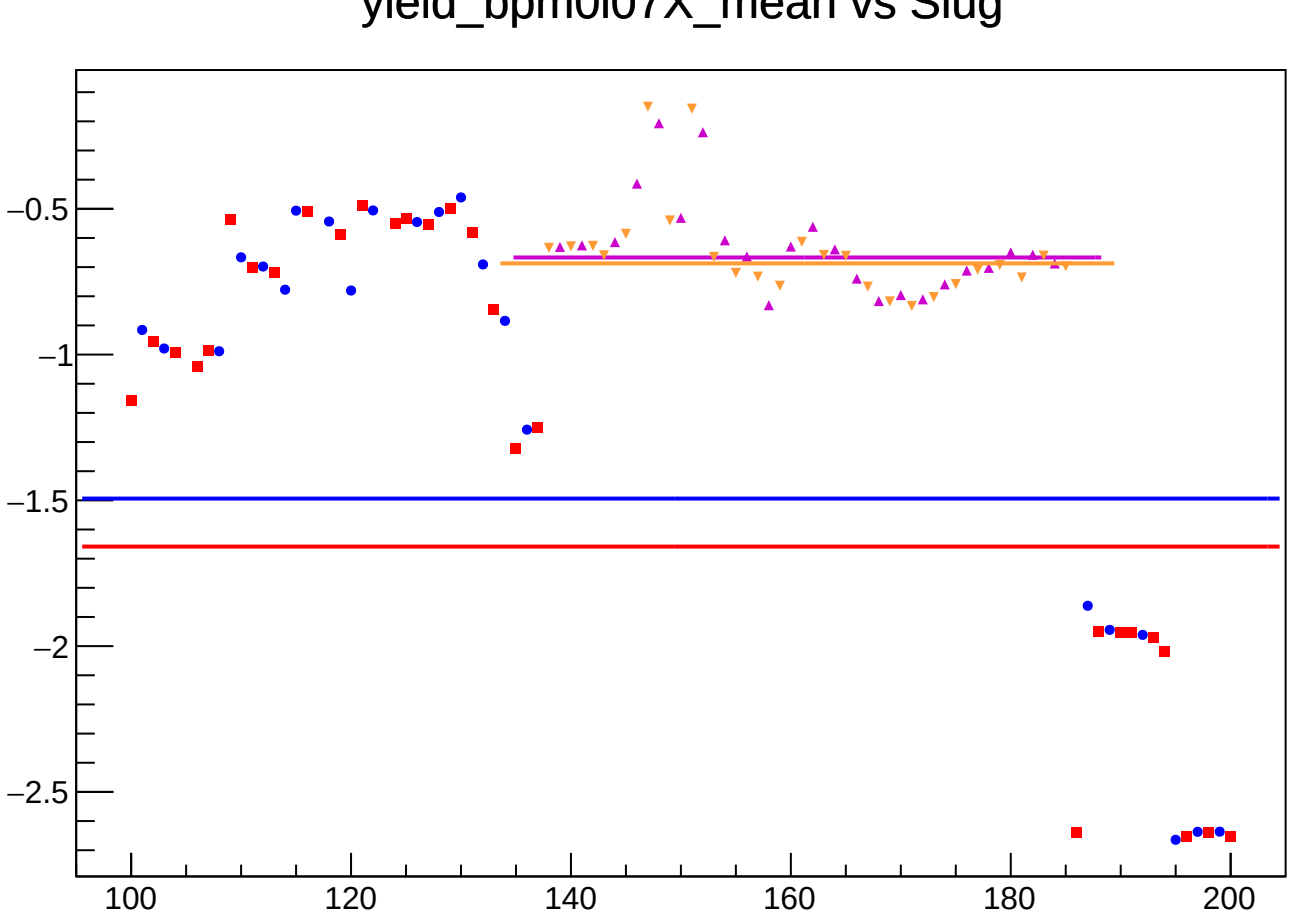
Right Out: 0.005+/-0.000 χ^2/NDF: 1810259.2/27

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2249010.3/46

All: 0.005+/-0.000 χ^2/NDF: 4282321.3/97

- sign 0.005+/-0.000 χ^2/NDF: 2030872.8/50



Right In: -1.494+/-0.000 χ^2/NDF: 183981824247.6/21

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.659+/-0.000 χ^2/NDF: 261565767800.3/27

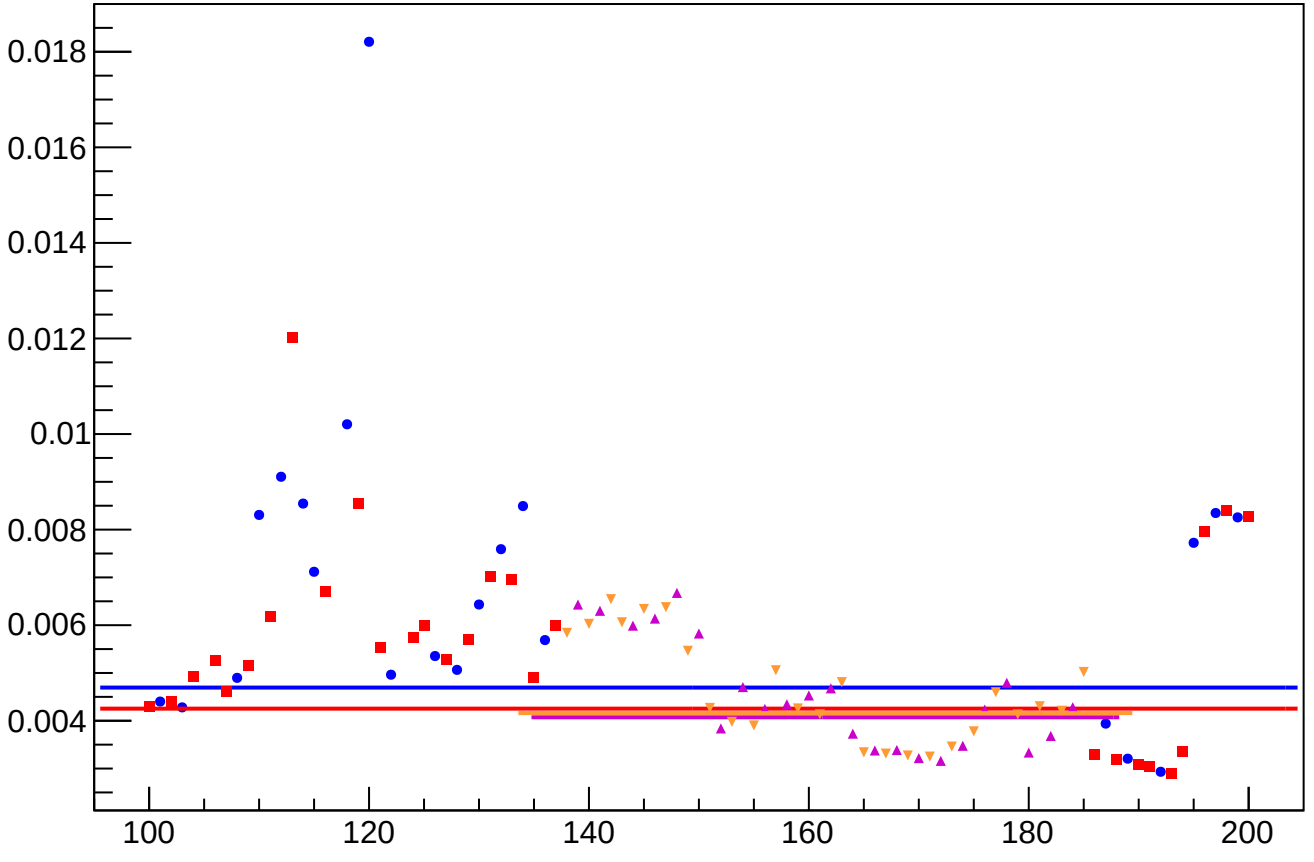
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.922+/-0.000 χ^2/NDF: 389019402882.9/46

All: -0.988+/-0.000 χ^2/NDF: 1042340952982

- sign -1.046+/-0.000 χ^2/NDF: 642152314095.3/50

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3019233.9/21

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

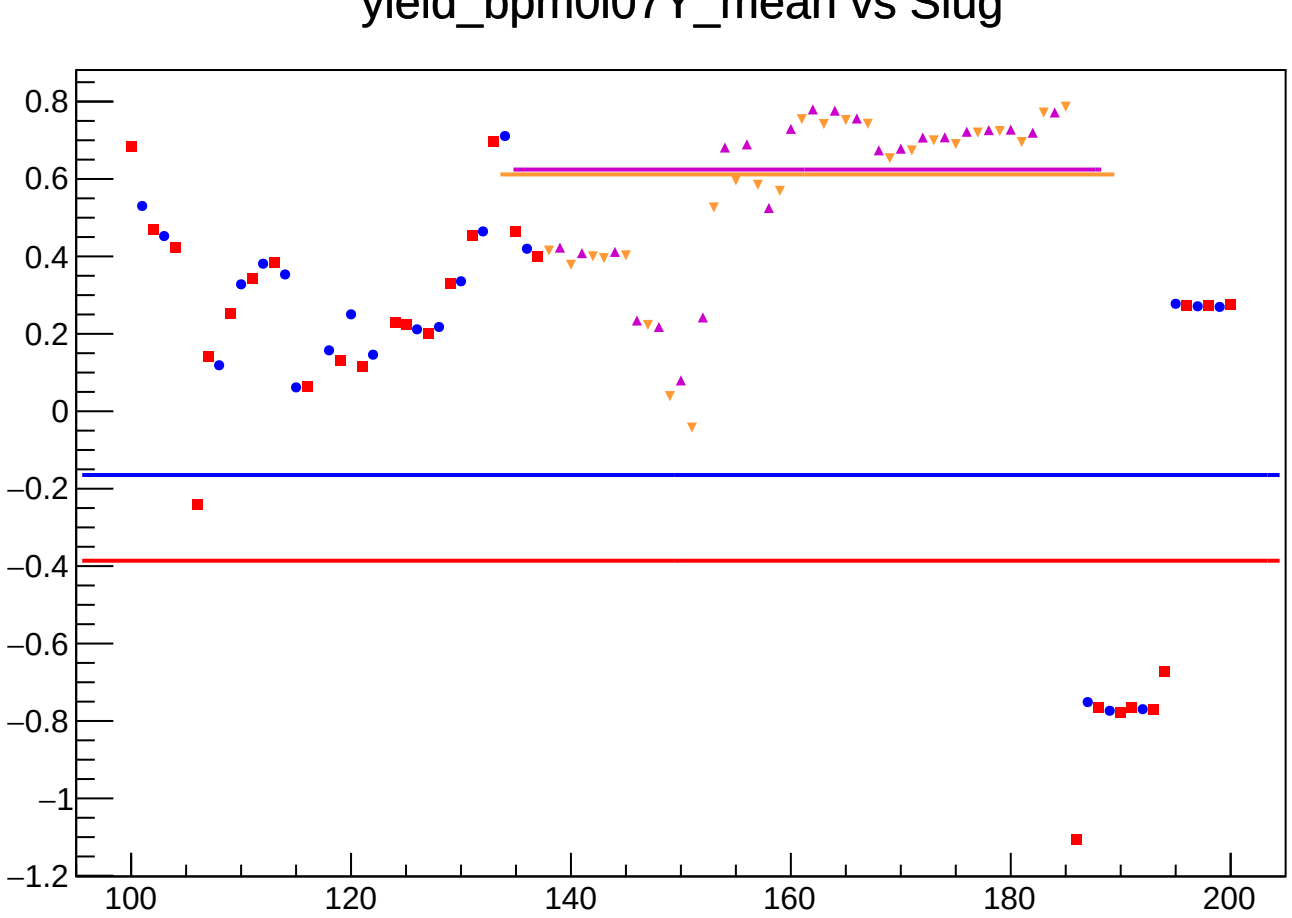
Right Out: 0.004+/-0.000 χ^2/NDF: 3165714.6/27

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 4699422.6/46

All: 0.004+/-0.000 χ^2/NDF: 9682979.0/97

- sign 0.004+/-0.000 χ^2/NDF: 4939862.6/50



Right In: -0.165+/-0.000 χ^2/NDF: 282939591337.1/21

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.386+/-0.000 χ^2/NDF: 437249921565.8/27

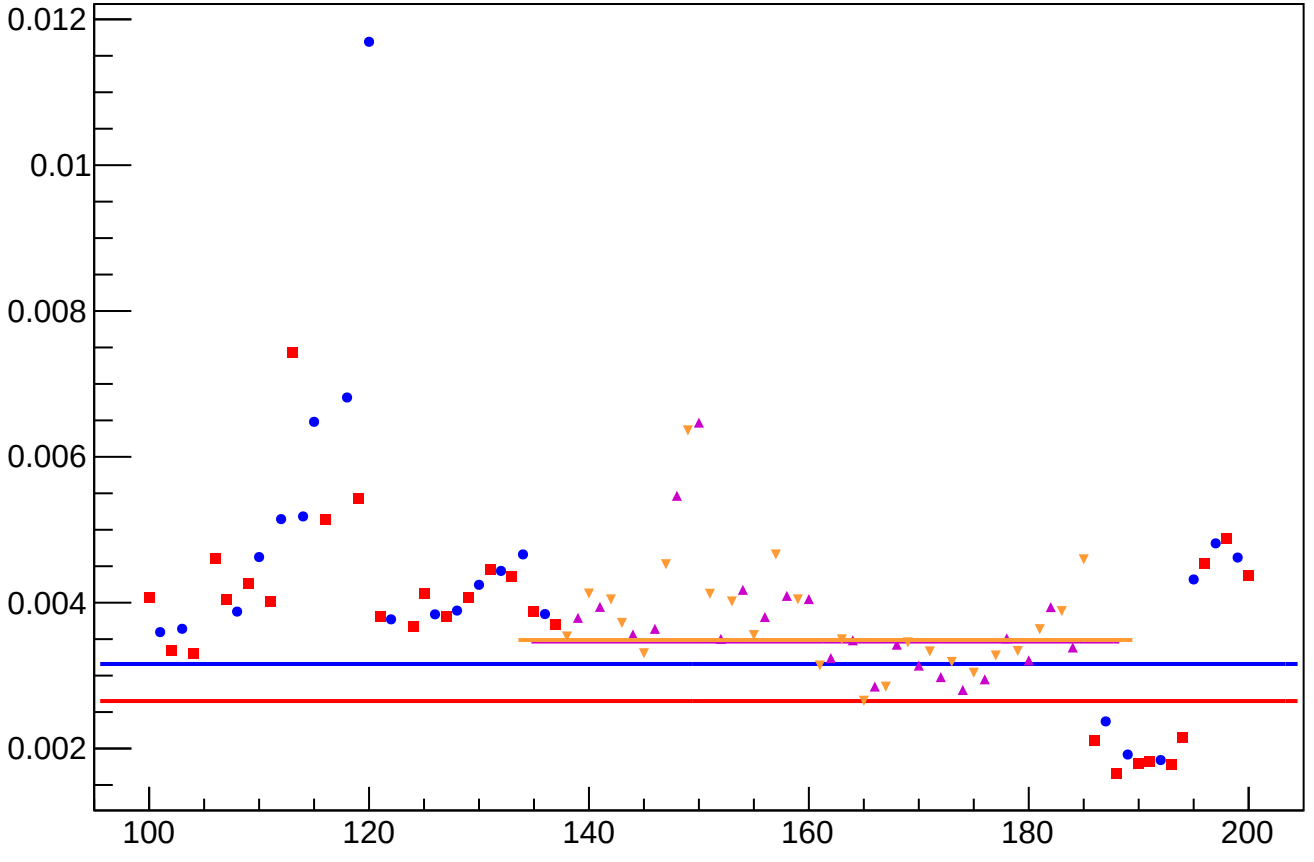
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.298+/-0.000 χ^2/NDF: 650426410361.8/46

All: 0.178+/-0.000 χ^2/NDF: 1880963209278.

- sign 0.081+/-0.000 χ^2/NDF: 1173099642357.2/50

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2936133.9/21

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

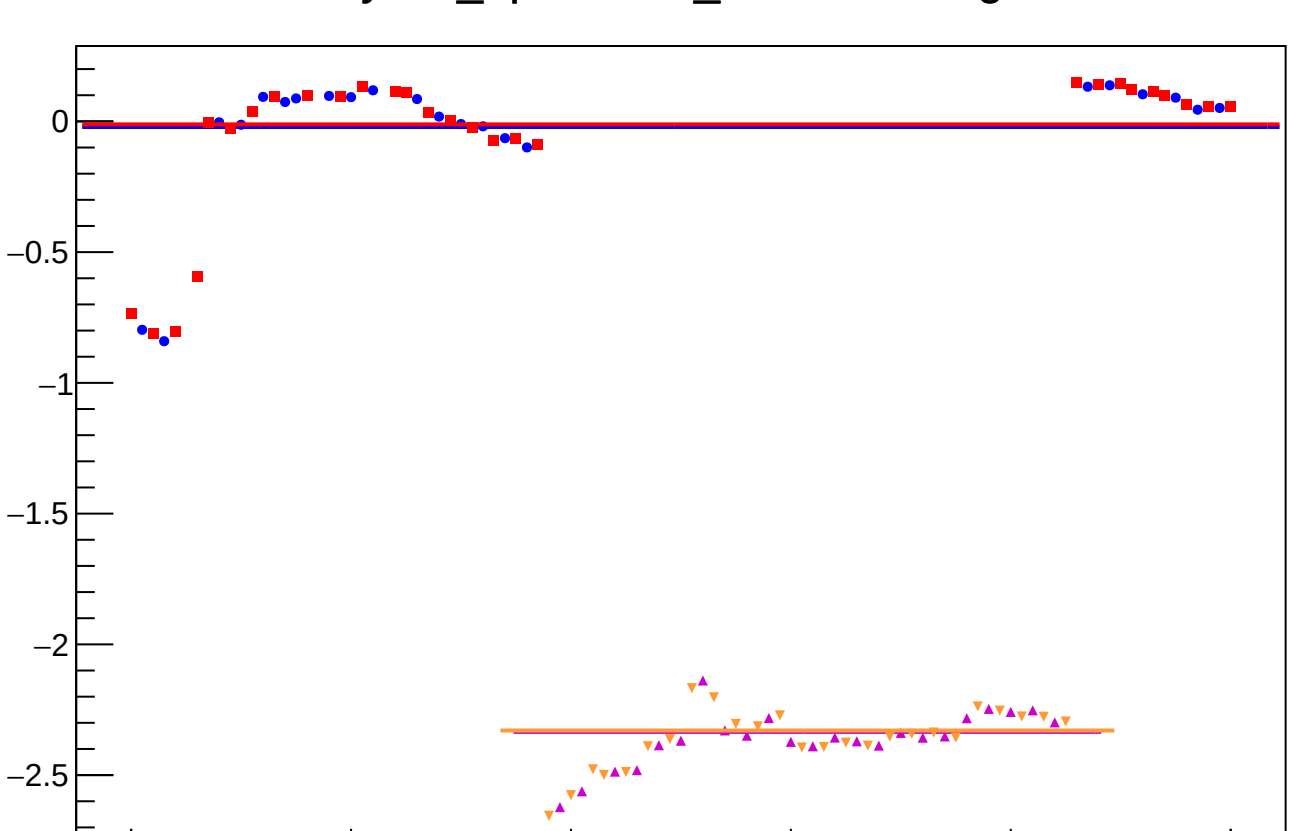
Right Out: 0.003+/-0.000 χ^2/NDF: 3942586.8/27

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3902169.8/46

All: 0.003+/-0.000 χ^2/NDF: 9907571.8/97

- sign 0.003+/-0.000 χ^2/NDF: 5743600.8/50



Right In: -0.021+/-0.000 χ^2/NDF: 6322507723.8/21

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.011+/-0.000 χ^2/NDF: 7665629487.1/27

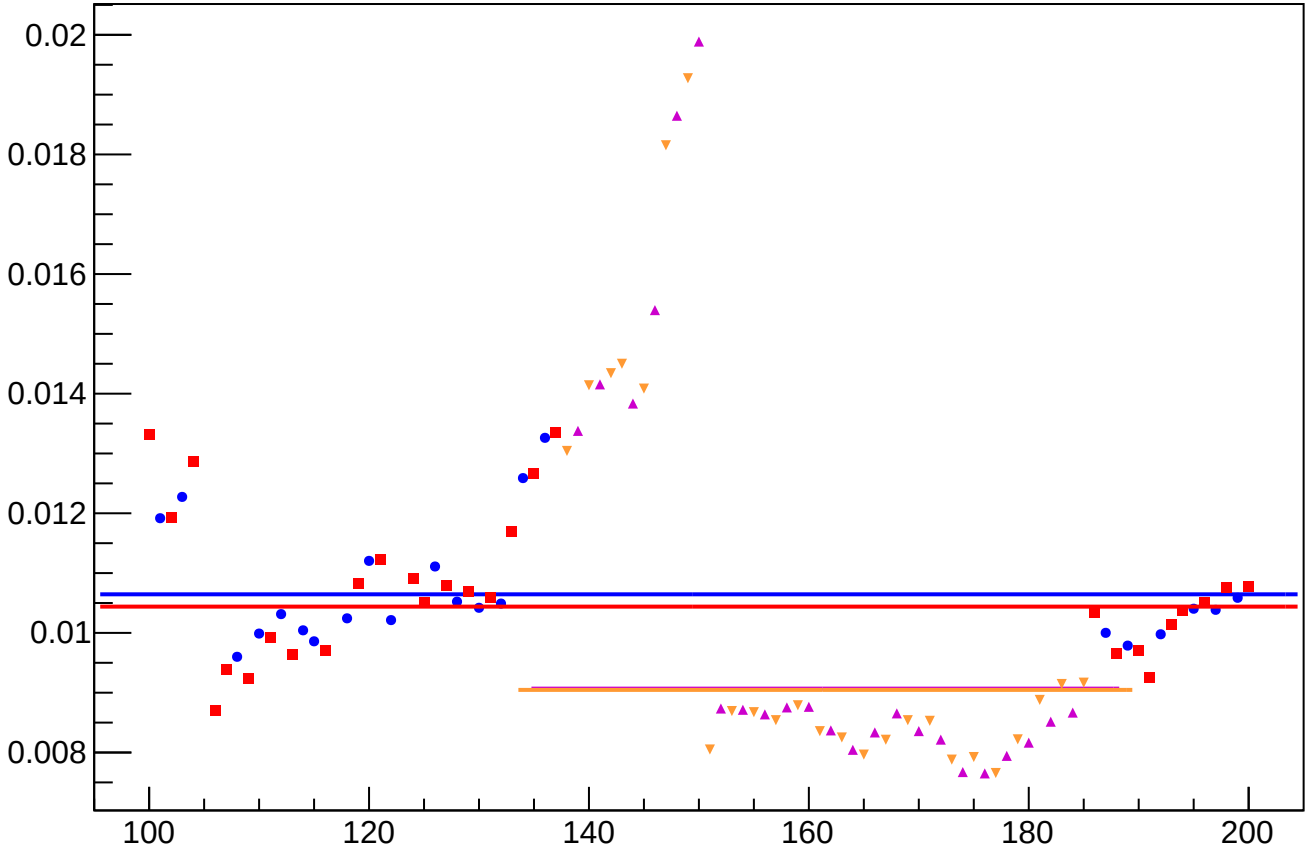
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.611+/-0.000 χ^2/NDF: 376778587588.1/46

All: -1.538+/-0.000 χ^2/NDF: 809533289332.4

- sign -1.468+/-0.000 χ^2/NDF: 429415872882.0/50

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 166382.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 224529.1/27

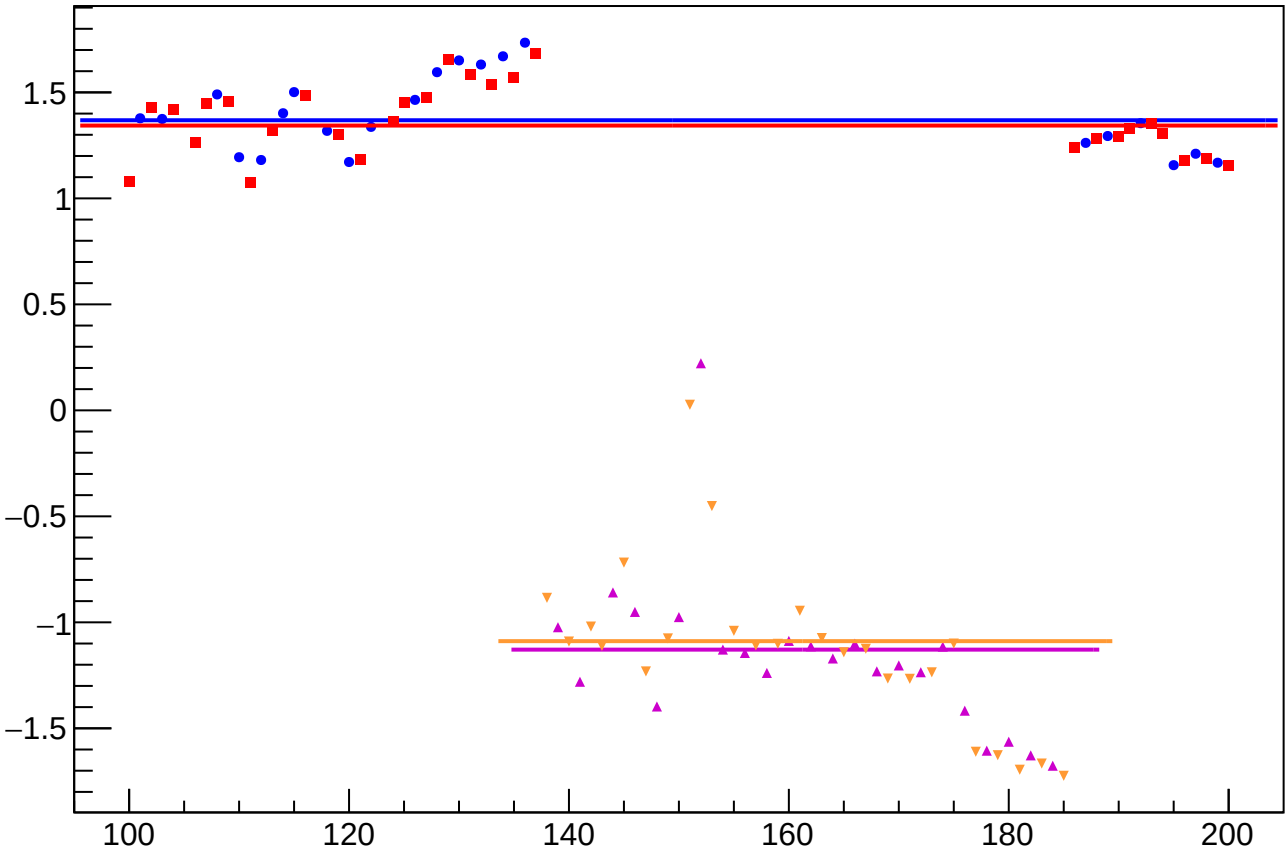
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2568483.2/46

All: 0.010+/-0.000 χ^2/NDF: 5220340.4/97

- sign 0.010+/-0.000 χ^2/NDF: 2651453.8/50

yield_bpm1i02Y_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF: 6183004859.1/21

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.344+/-0.000 χ^2/NDF: 4923585392.8/27

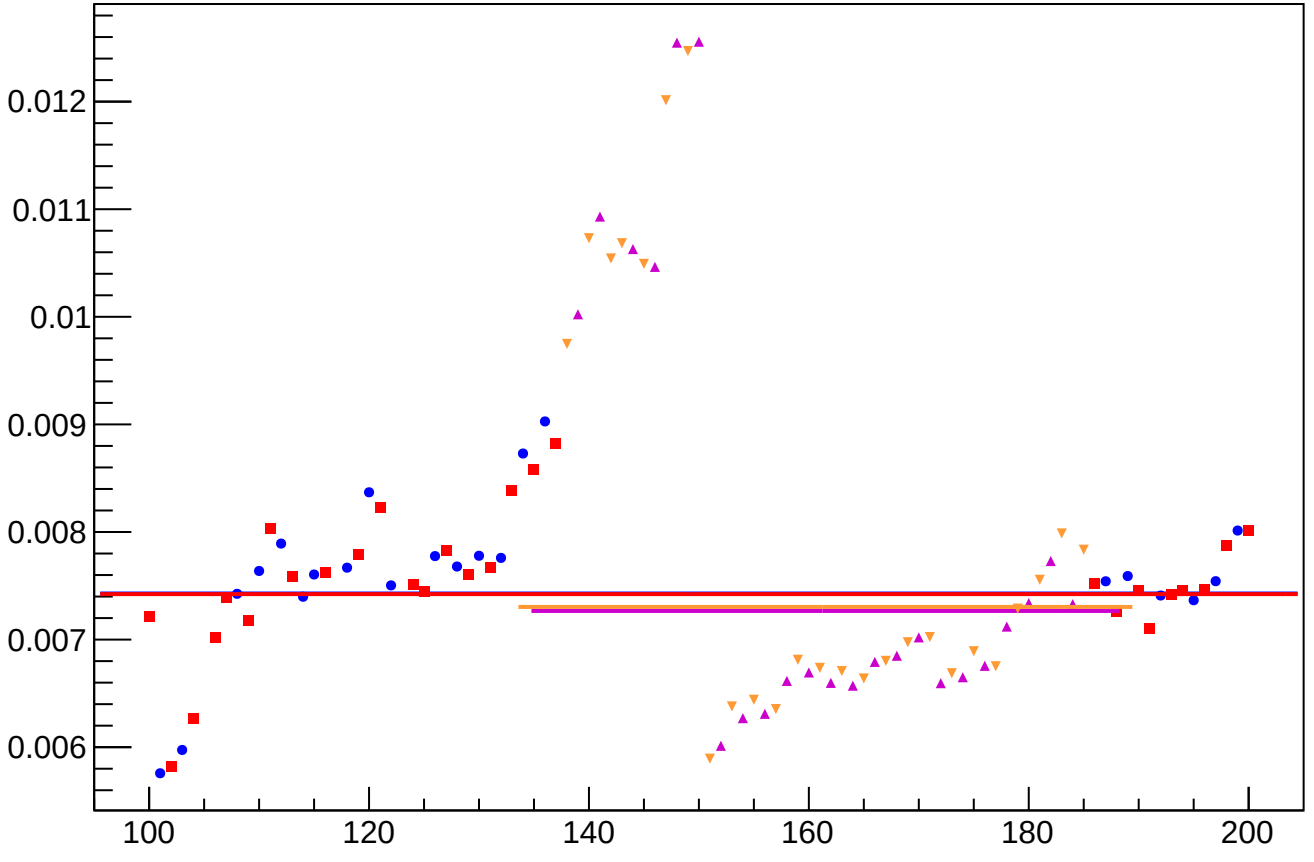
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.175+/-0.000 χ^2/NDF: 845070882407.2/46

All: -0.125+/-0.000 χ^2/NDF: 1772857522784

- sign -0.076+/-0.000 χ^2/NDF: 925013240126.9/50

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 283062.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

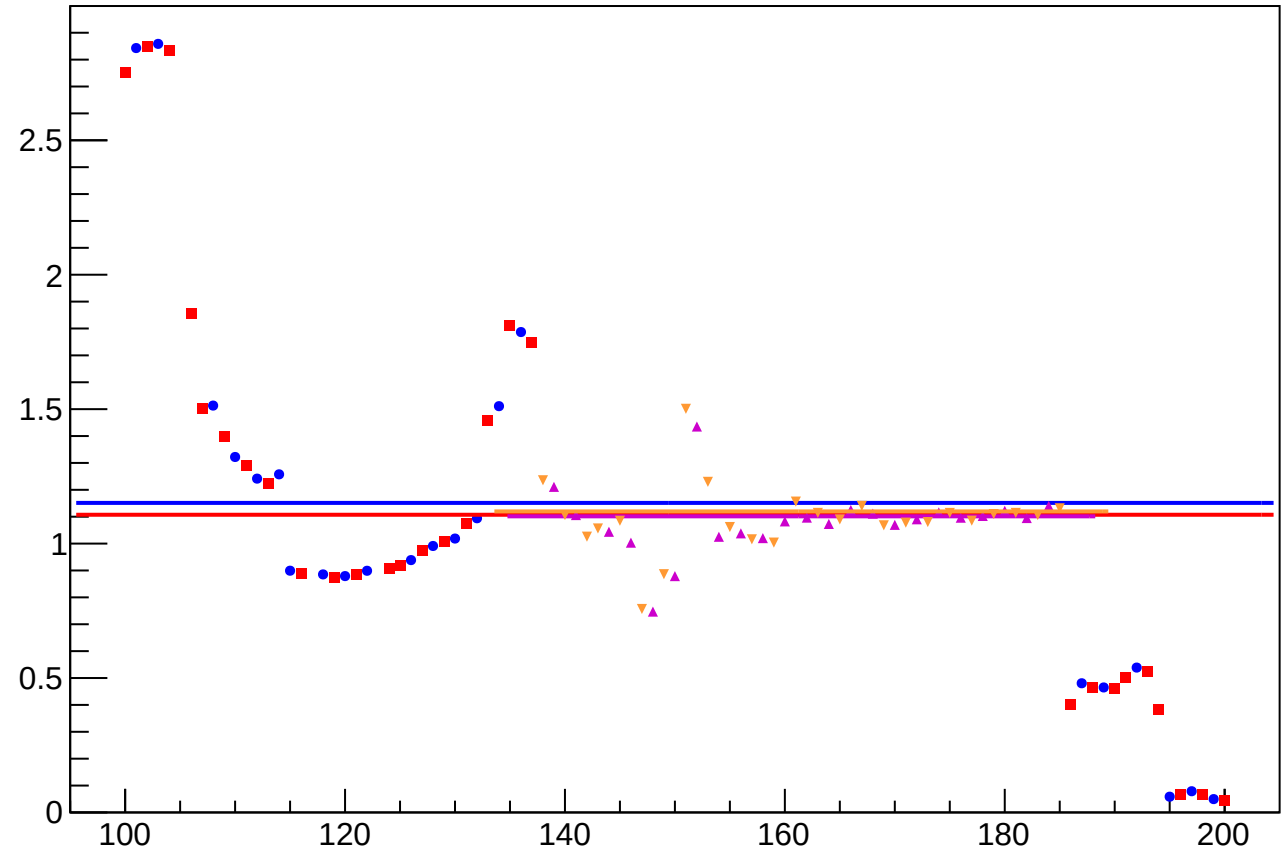
Right Out: 0.007+/-0.000 χ^2/NDF: 214640.5/27

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1791166.0/46

All: 0.007+/-0.000 χ^2/NDF: 3572943.0/97

- sign 0.007+/-0.000 χ^2/NDF: 1781613.1/50



Right In: 1.151+/-0.000 χ^2/NDF: 102021273011.8/21

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.107+/-0.000 χ^2/NDF: 107927322709.0/27

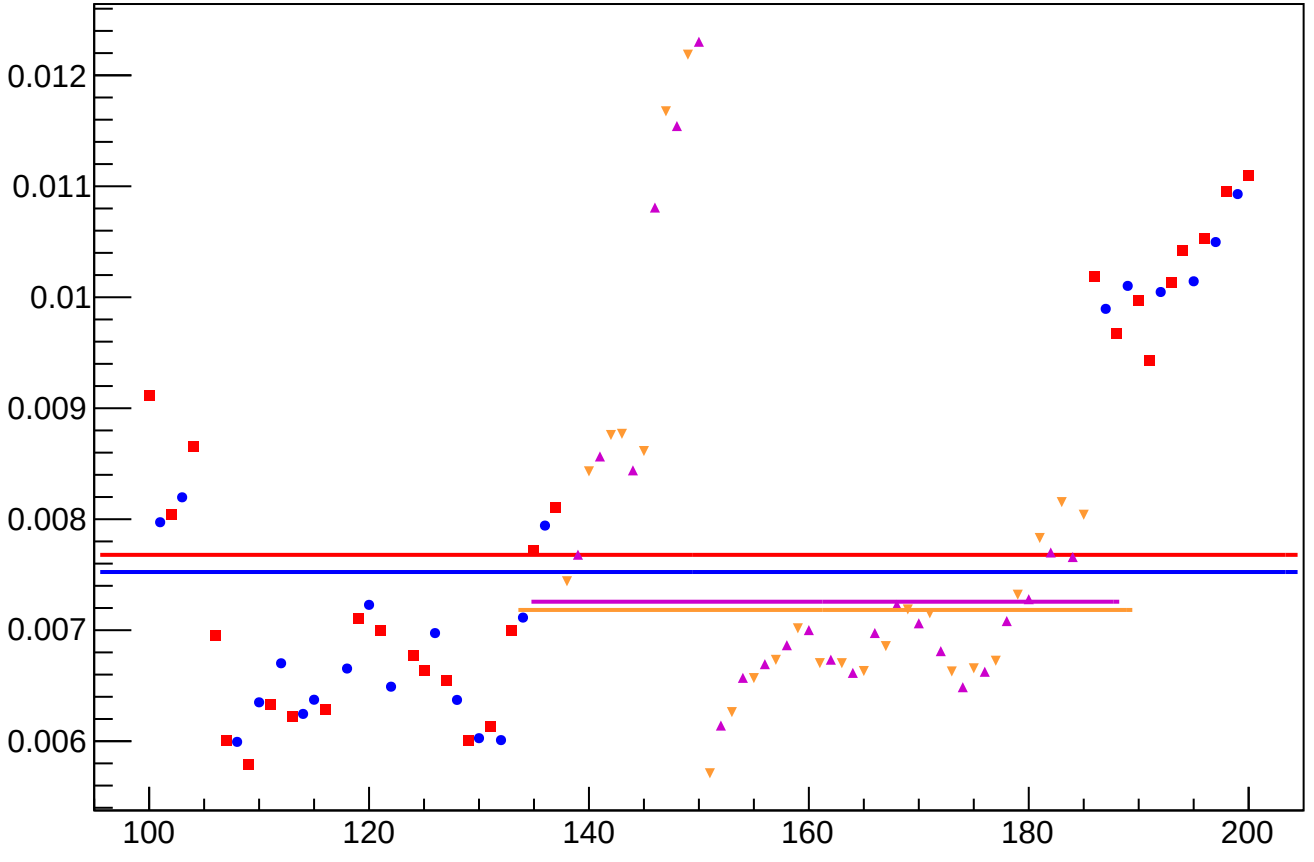
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.131+/-0.000 χ^2/NDF: 107662604882.0/46

All: 1.117+/-0.000 χ^2/NDF: 219999355371.4

- sign 1.104+/-0.000 χ^2/NDF: 112133904665.3/50

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 964664.7/21

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1325049.6/27

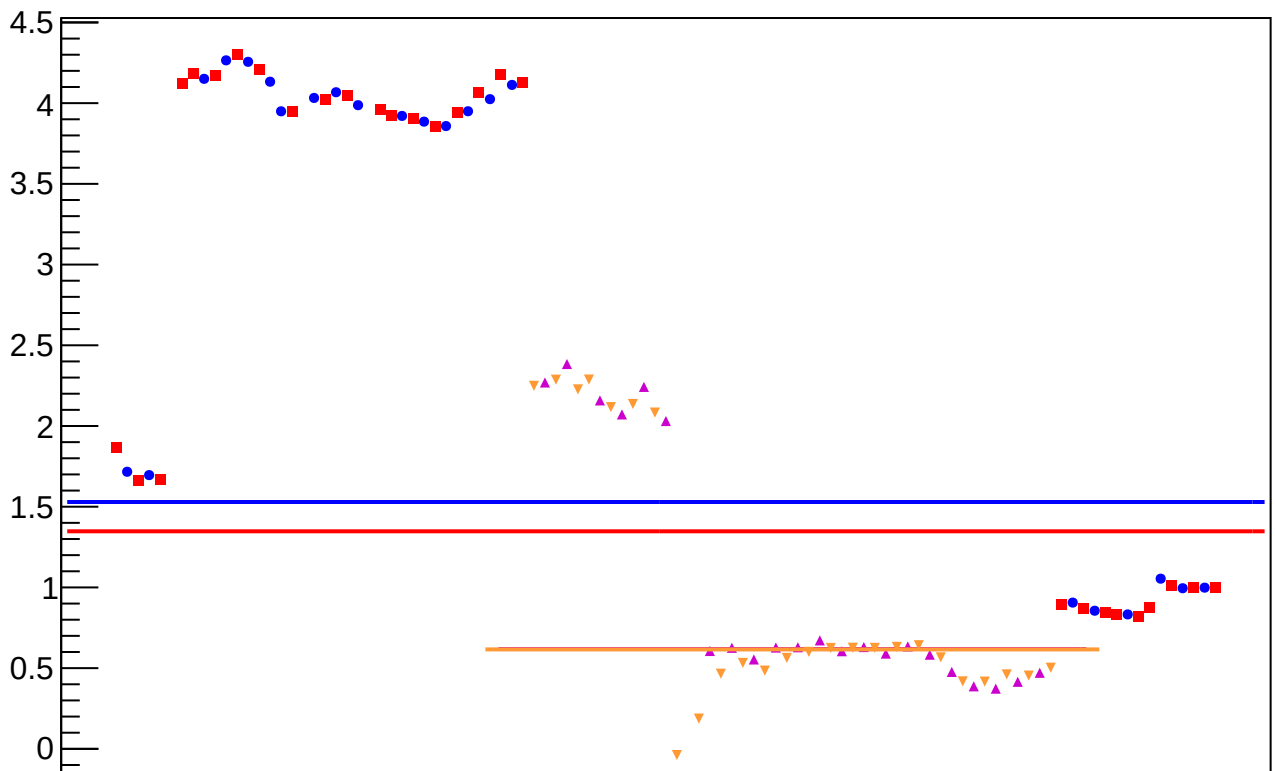
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1887871.6/46

All: 0.007+/-0.000 χ^2/NDF: 4185045.9/97

- sign 0.007+/-0.000 χ^2/NDF: 2288947.1/50

yield_bpm1i04Y_mean vs Slug



Right In: 1.529+/-0.000 χ^2/NDF: 1465547407046.5/21

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.348+/-0.000 χ^2/NDF: 1713254379579.9/27

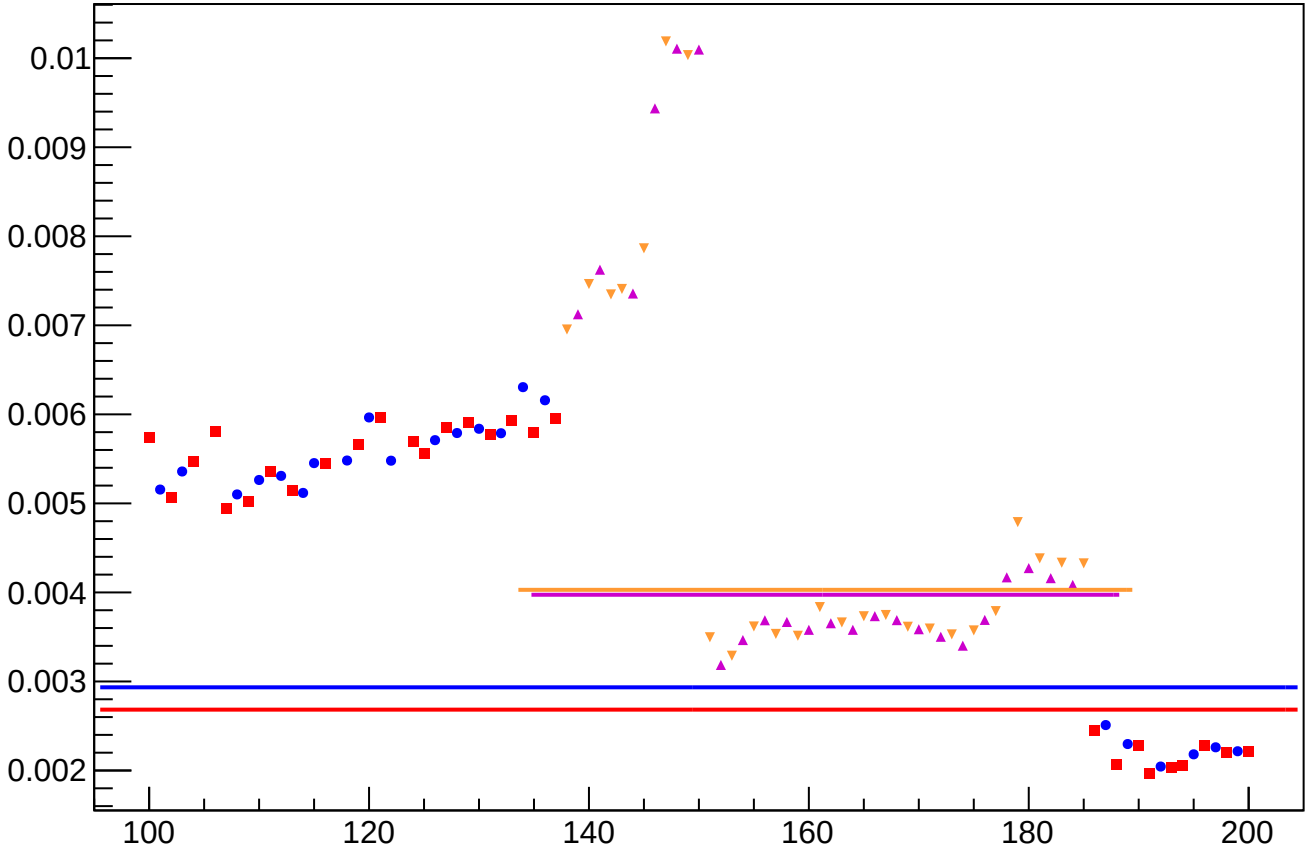
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.071+/-0.000 χ^2/NDF: 2156315637390.7/46

All: 1.060+/-0.000 χ^2/NDF: 4448960588422.

- sign 1.052+/-0.000 χ^2/NDF: 2292217690974.9/50

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4197898.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

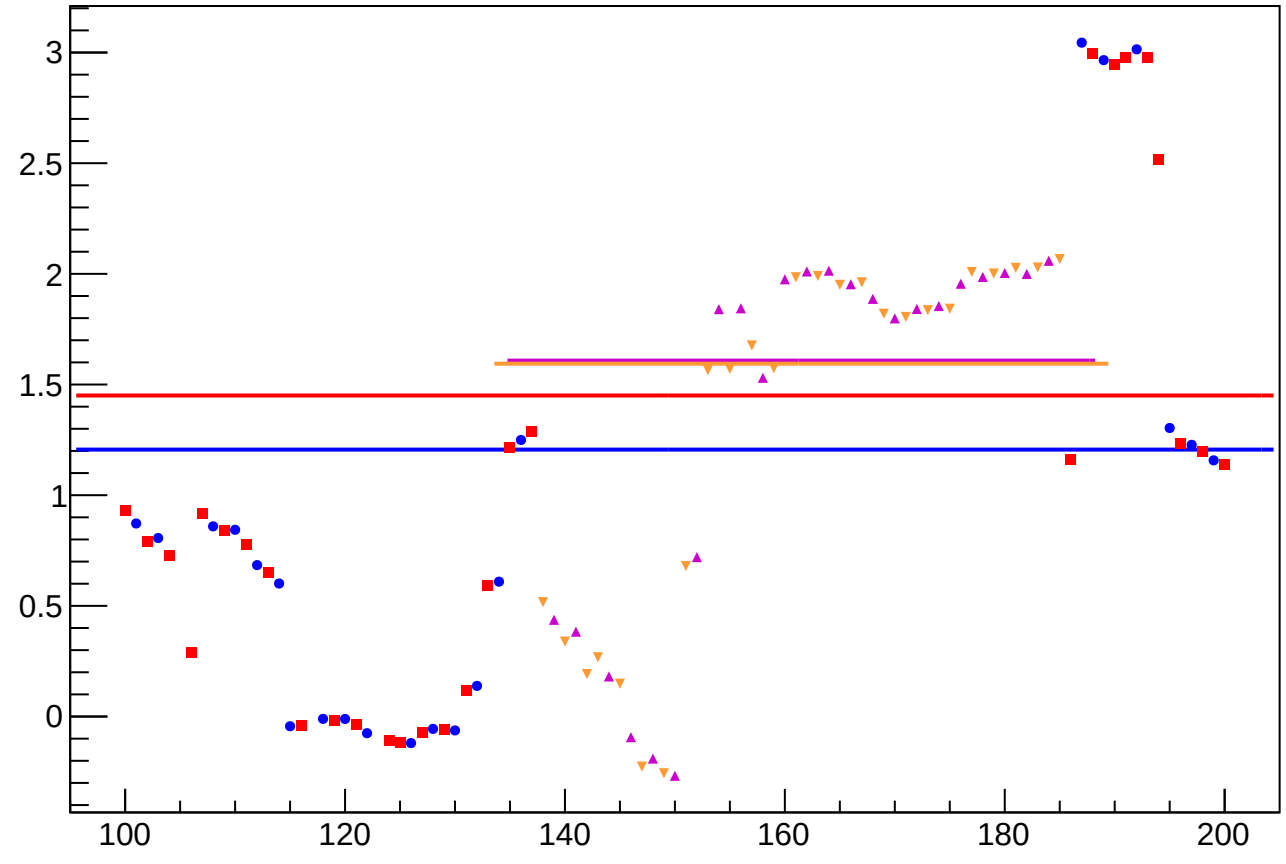
Right Out: 0.003+/-0.000 χ^2/NDF: 4663532.9/27

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 8424937.0/46

All: 0.003+/-0.000 χ^2/NDF: 18418397.3/97

- sign 0.003+/-0.000 χ^2/NDF: 9817710.3/50



Right In: 1.206+/-0.000 χ^2/NDF: 77470923246.9/21

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.450+/-0.000 χ^2/NDF: 103858104239.7/27

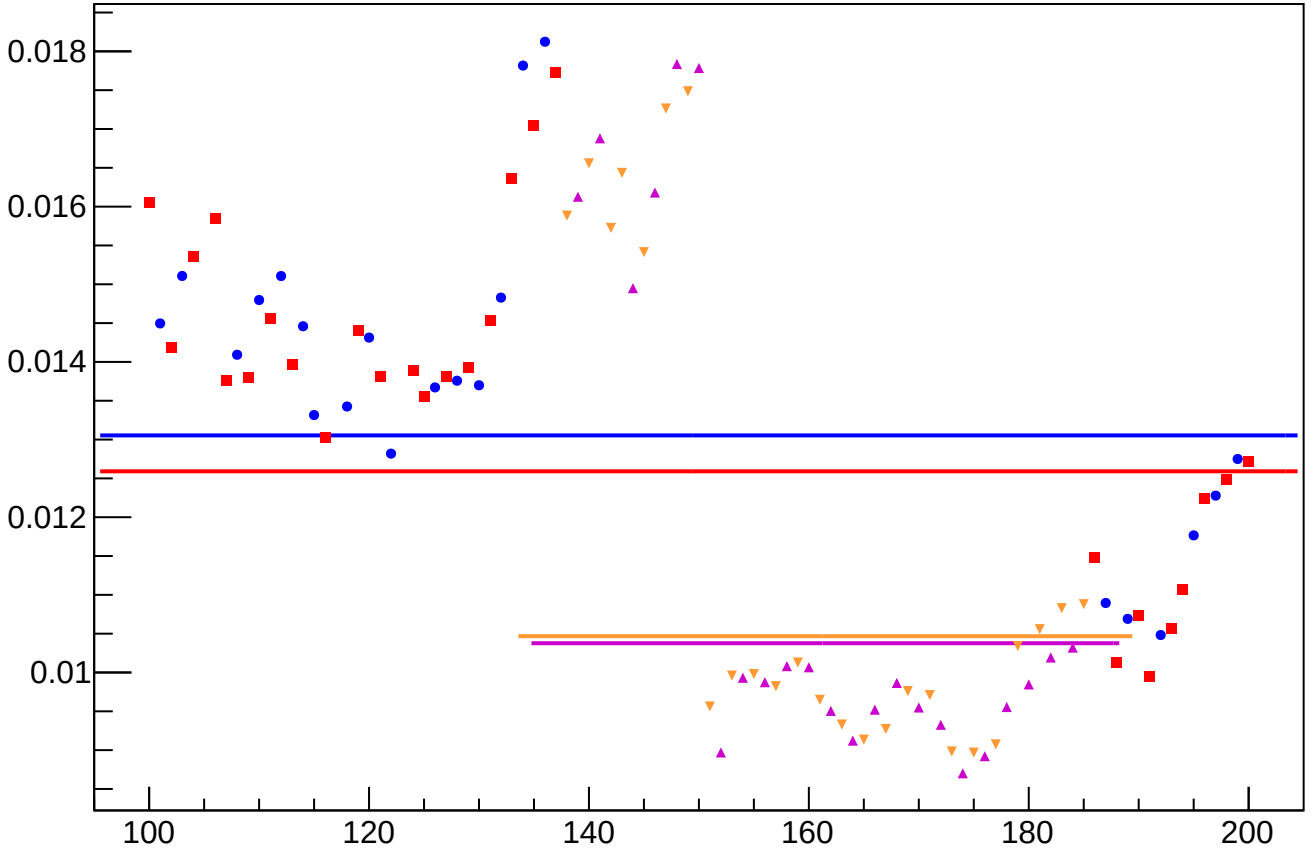
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.485+/-0.000 χ^2/NDF: 147187954594.0/46

All: 1.520+/-0.000 χ^2/NDF: 319383630551.0

- sign 1.554+/-0.000 χ^2/NDF: 171621068165.2/50

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 494772.0/21

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589351.2/27

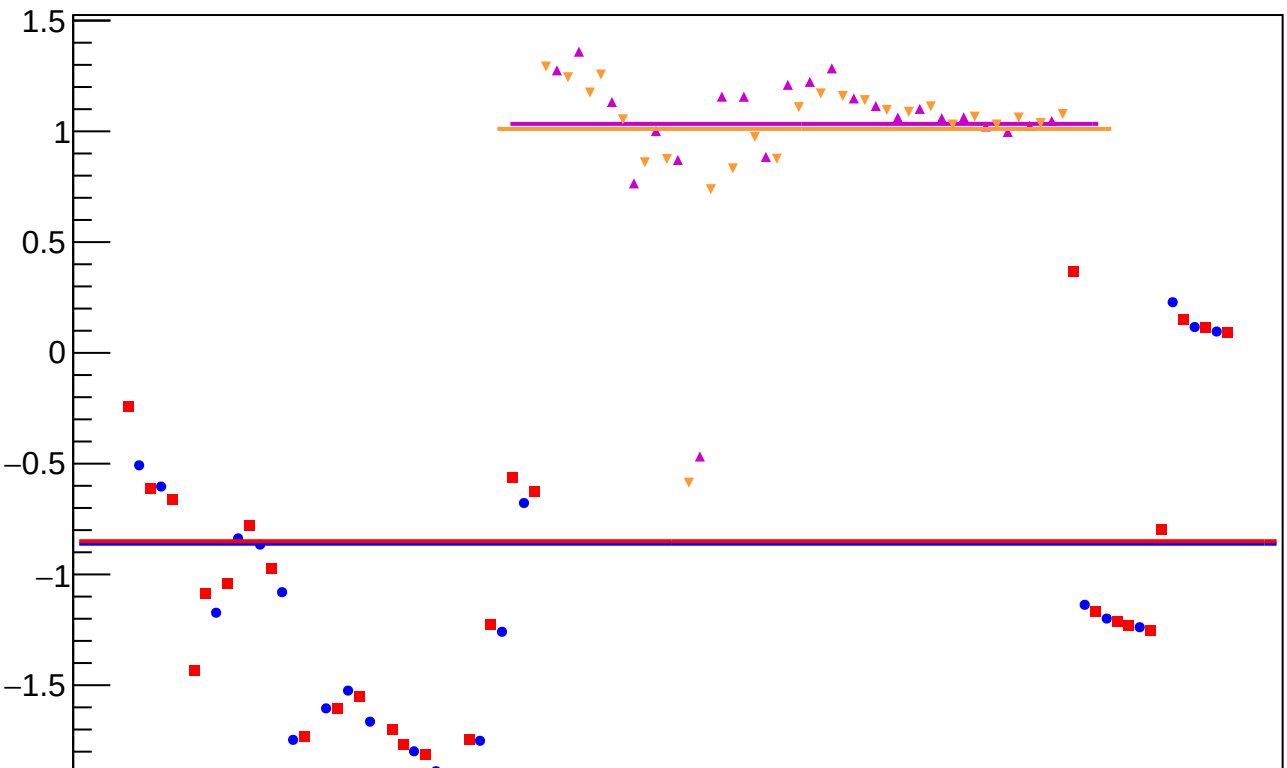
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2784875.7/46

All: 0.011+/-0.000 χ^2/NDF: 5622285.9/97

- sign 0.011+/-0.000 χ^2/NDF: 2836405.3/50

yield_bpm1i06Y_mean vs Slug



Right In: -0.861+/-0.000 χ^2/NDF: 132776151587.8/21

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.850+/-0.000 χ^2/NDF: 130196399371.0/27

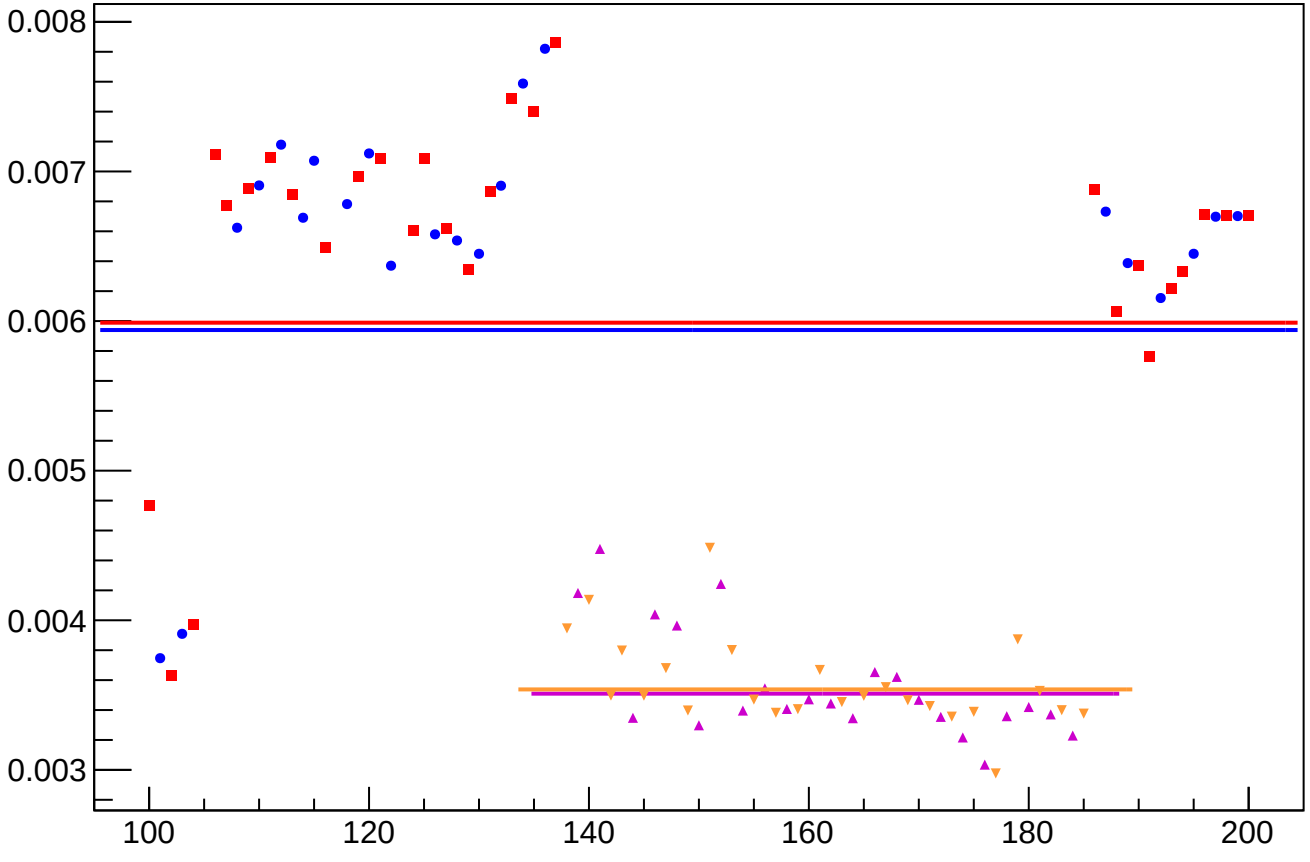
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.686+/-0.000 χ^2/NDF: 1099870282067.2/46

All: 0.667+/-0.000 χ^2/NDF: 2331258787669.

- sign 0.649+/-0.000 χ^2/NDF: 1230261125213.6/50

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1037562.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1098353.5/27

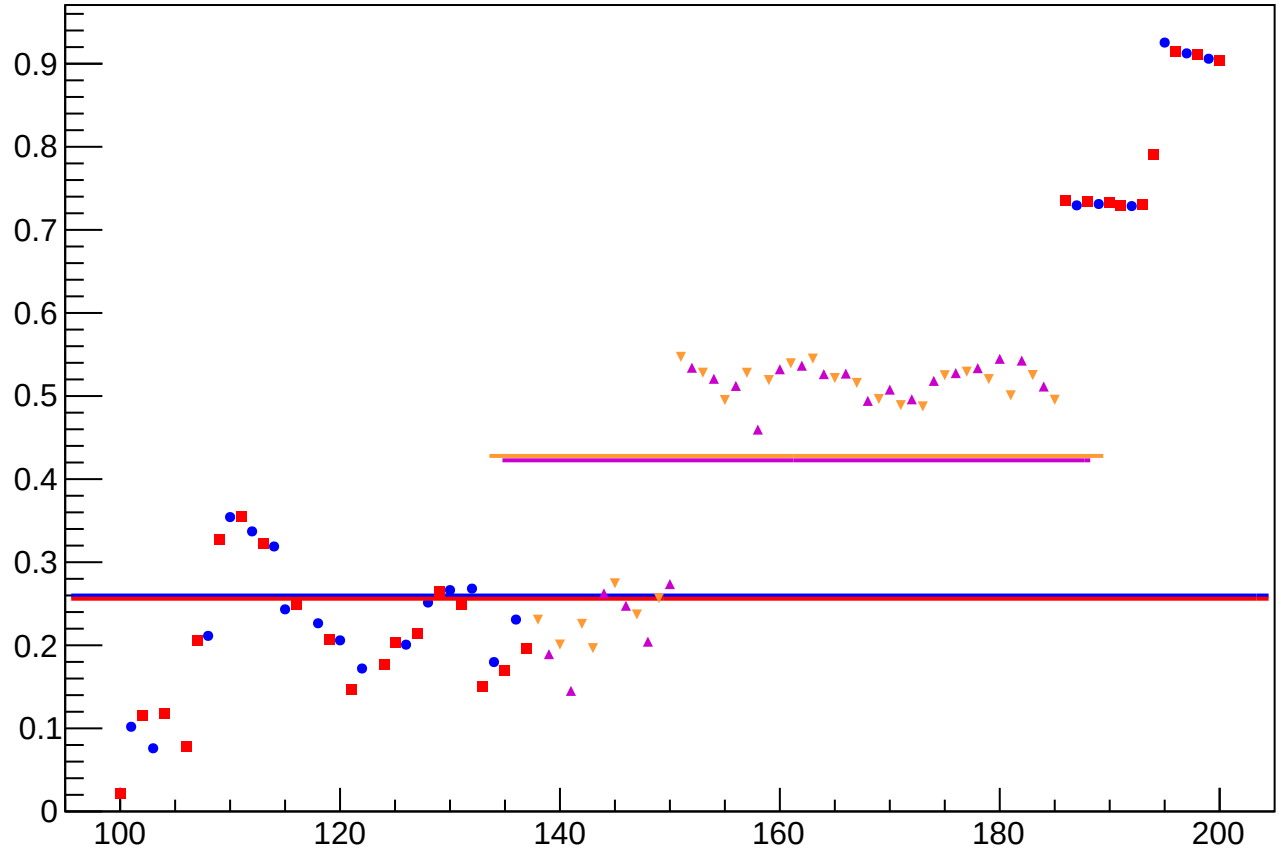
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4071423.8/46

All: 0.004+/-0.000 χ^2/NDF: 8838723.7/97

- sign 0.004+/-0.000 χ^2/NDF: 4761102.8/50

yield_bpm2i01X_mean vs Slug



Right In: 0.260+/-0.000 χ^2/NDF: 106287605521.2/21

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.256+/-0.000 χ^2/NDF: 142663738462.6/27

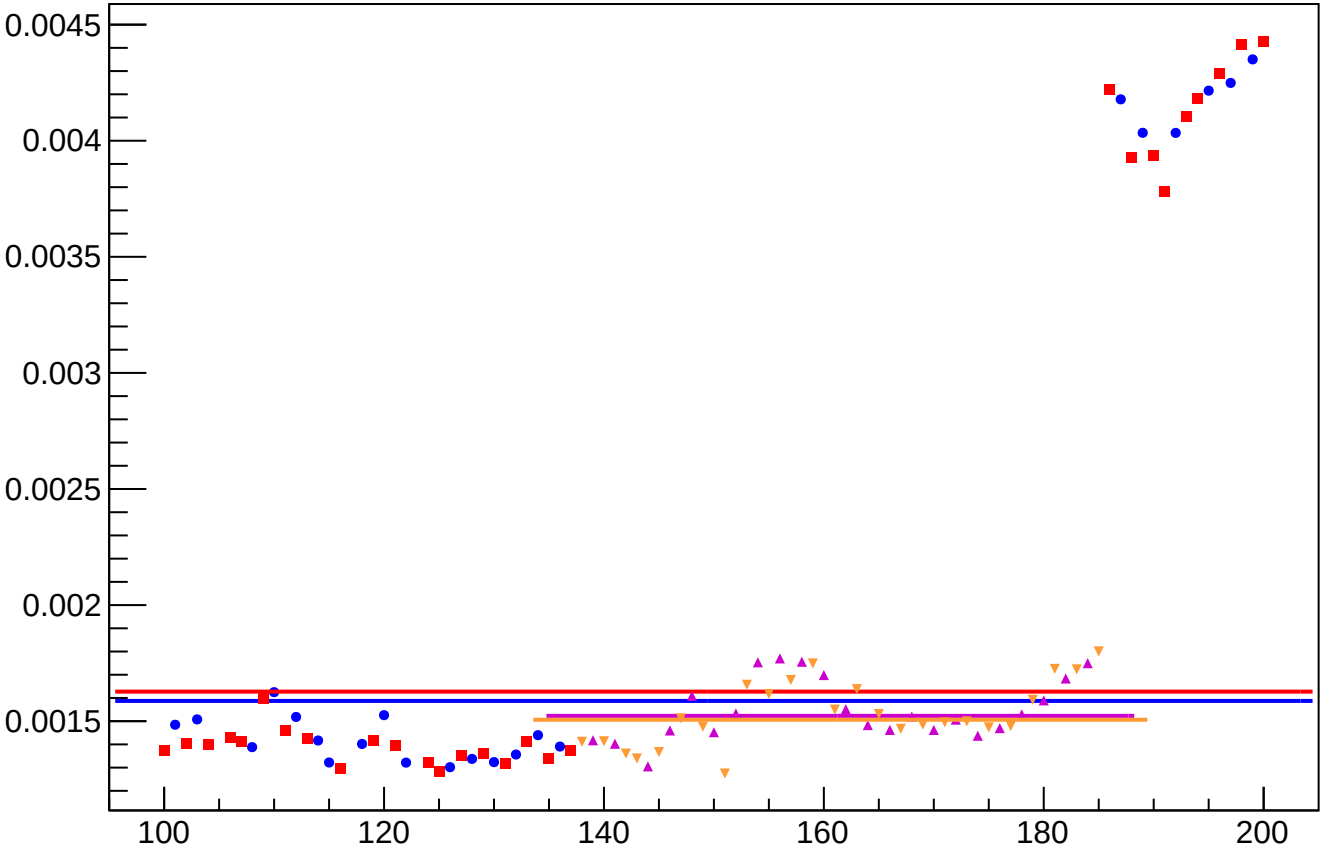
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.376+/-0.000 χ^2/NDF: 333380225469.9/46

All: 0.370+/-0.000 χ^2/NDF: 709916194537.3

- sign 0.365+/-0.000 χ^2/NDF: 375747403220.6/50

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3577466.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

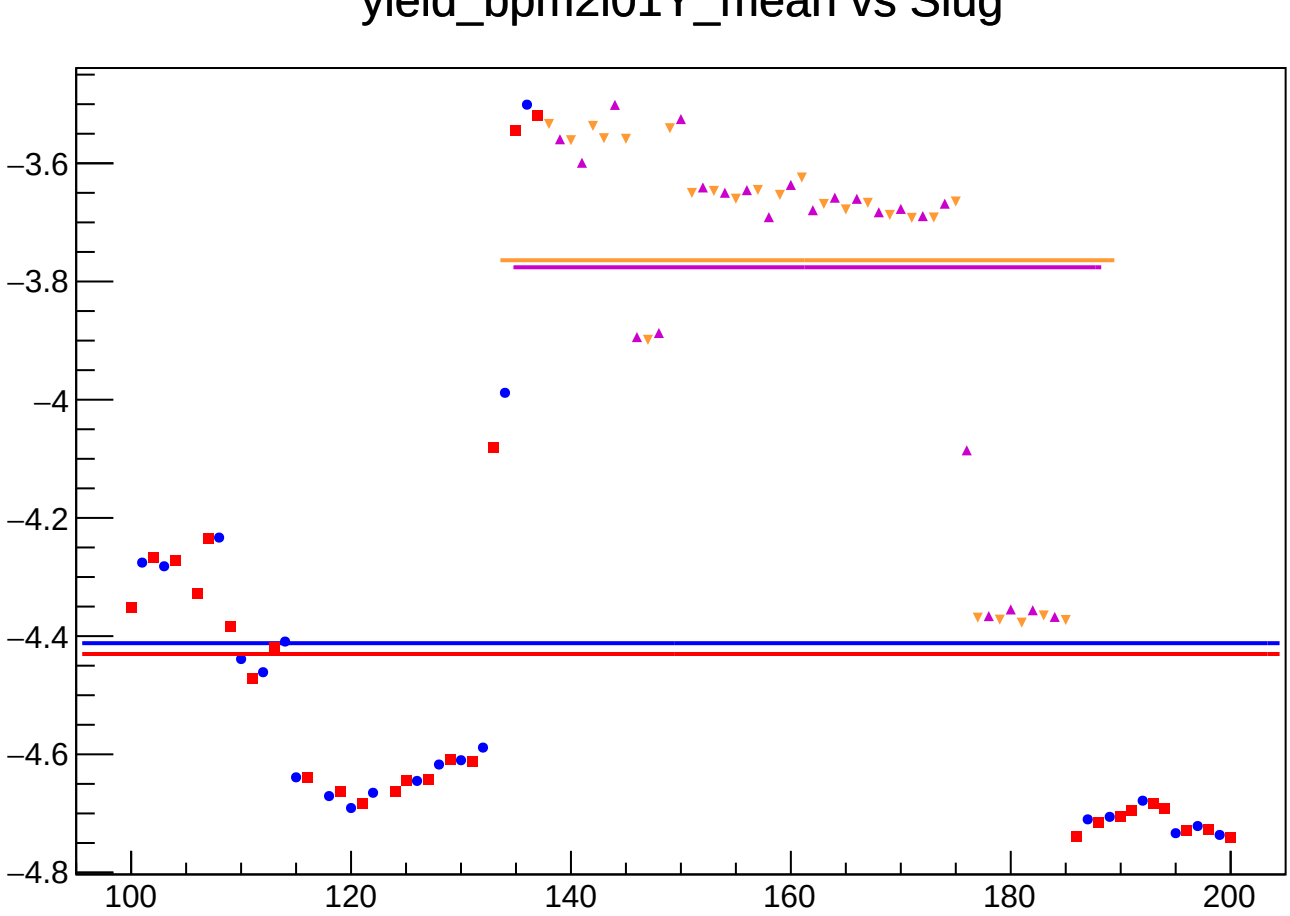
Right Out: 0.002+/-0.000 χ^2/NDF: 5067693.0/27

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3890414.8/46

All: 0.002+/-0.000 χ^2/NDF: 9261265.7/97

- sign 0.002+/-0.000 χ^2/NDF: 5361375.5/50



Right In: -4.412+/-0.000 χ^2/NDF: 394710737256.9/21

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.430+/-0.000 χ^2/NDF: 353443326340.4/27

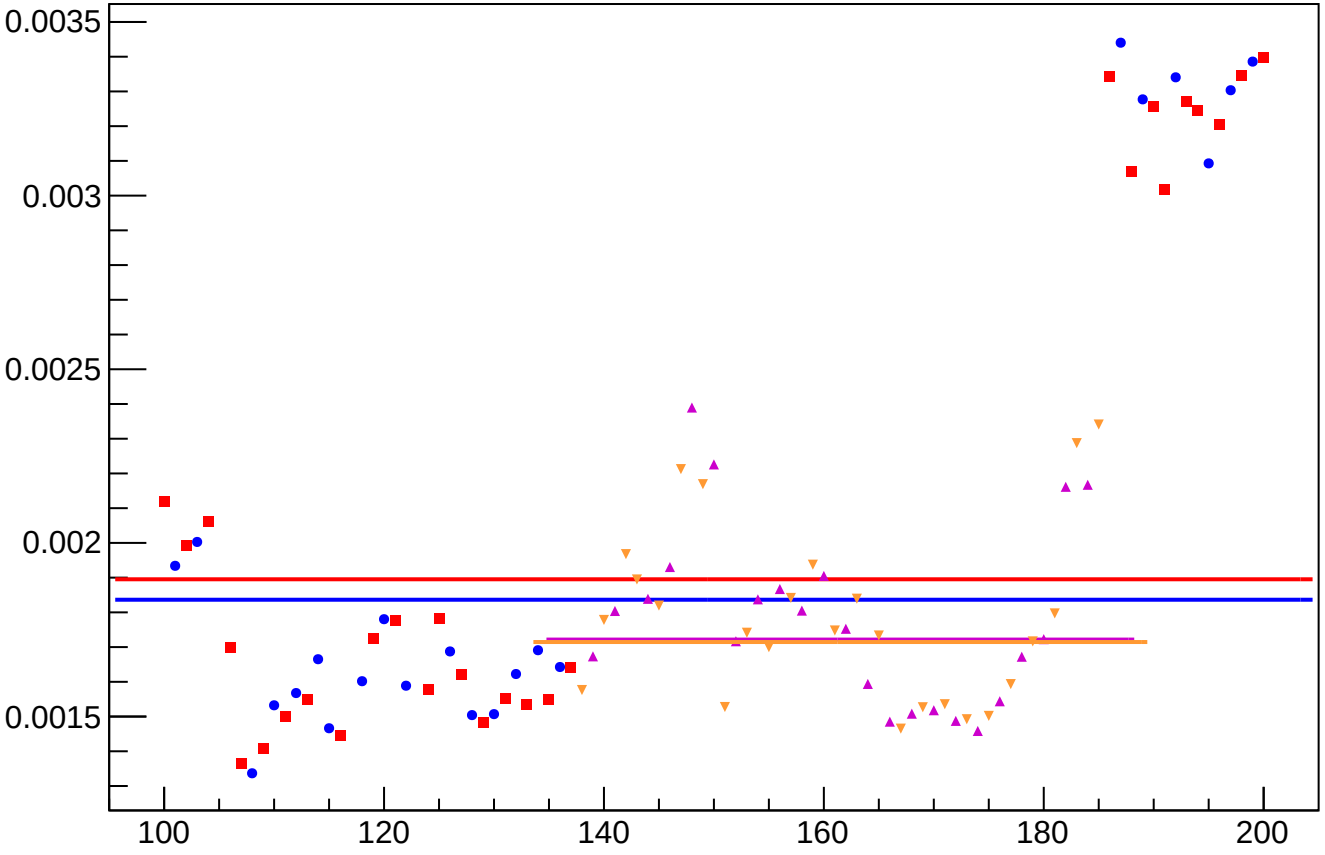
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.973+/-0.000 χ^2/NDF: 1733585850125.7/4

All: -3.992+/-0.000 χ^2/NDF: 3409316256266

- sign -4.011+/-0.000 χ^2/NDF: 1669021509271.8/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2029339.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2761643.5/27

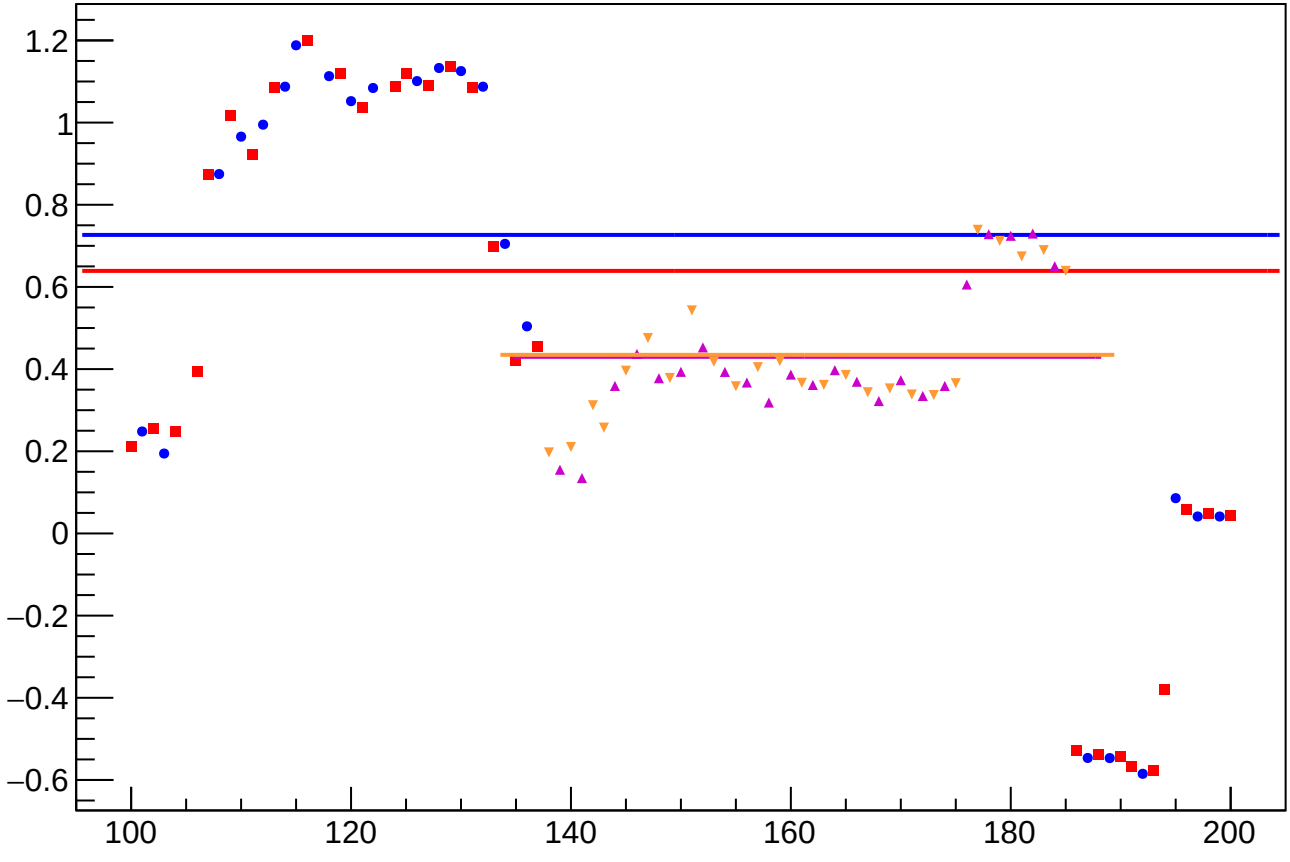
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2652117.8/46

All: 0.002+/-0.000 χ^2/NDF: 6132648.8/97

- sign 0.002+/-0.000 χ^2/NDF: 3472081.8/50

yield_bpm2i02X_mean vs Slug



Right In: 0.727+/-0.000 χ^2/NDF: 56530654046.5/21

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.639+/-0.000 χ^2/NDF: 81128355001.6/27

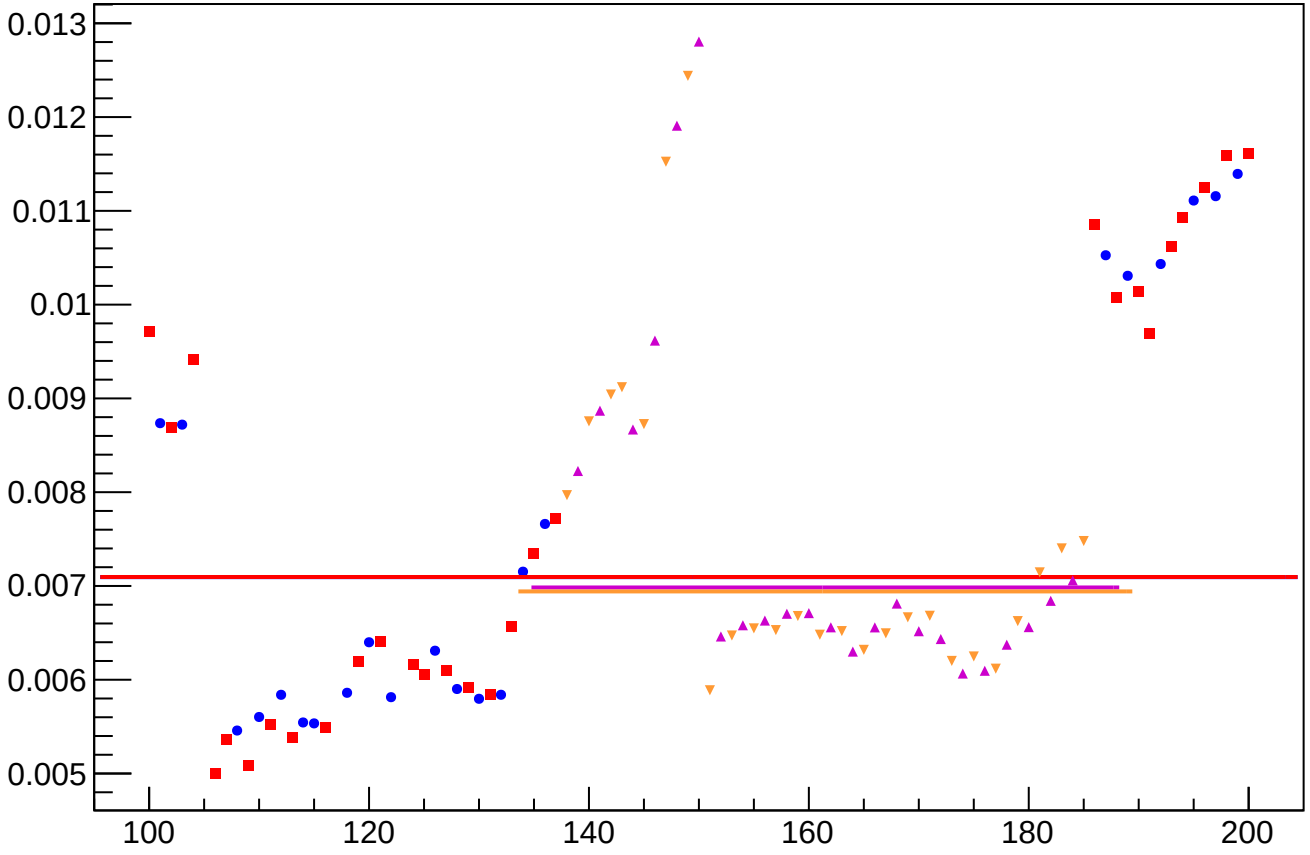
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.538+/-0.000 χ^2/NDF: 76723171005.8/46

All: 0.526+/-0.000 χ^2/NDF: 173491089394.9

- sign 0.515+/-0.000 χ^2/NDF: 96607842609.3/50

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1593352.8/21

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

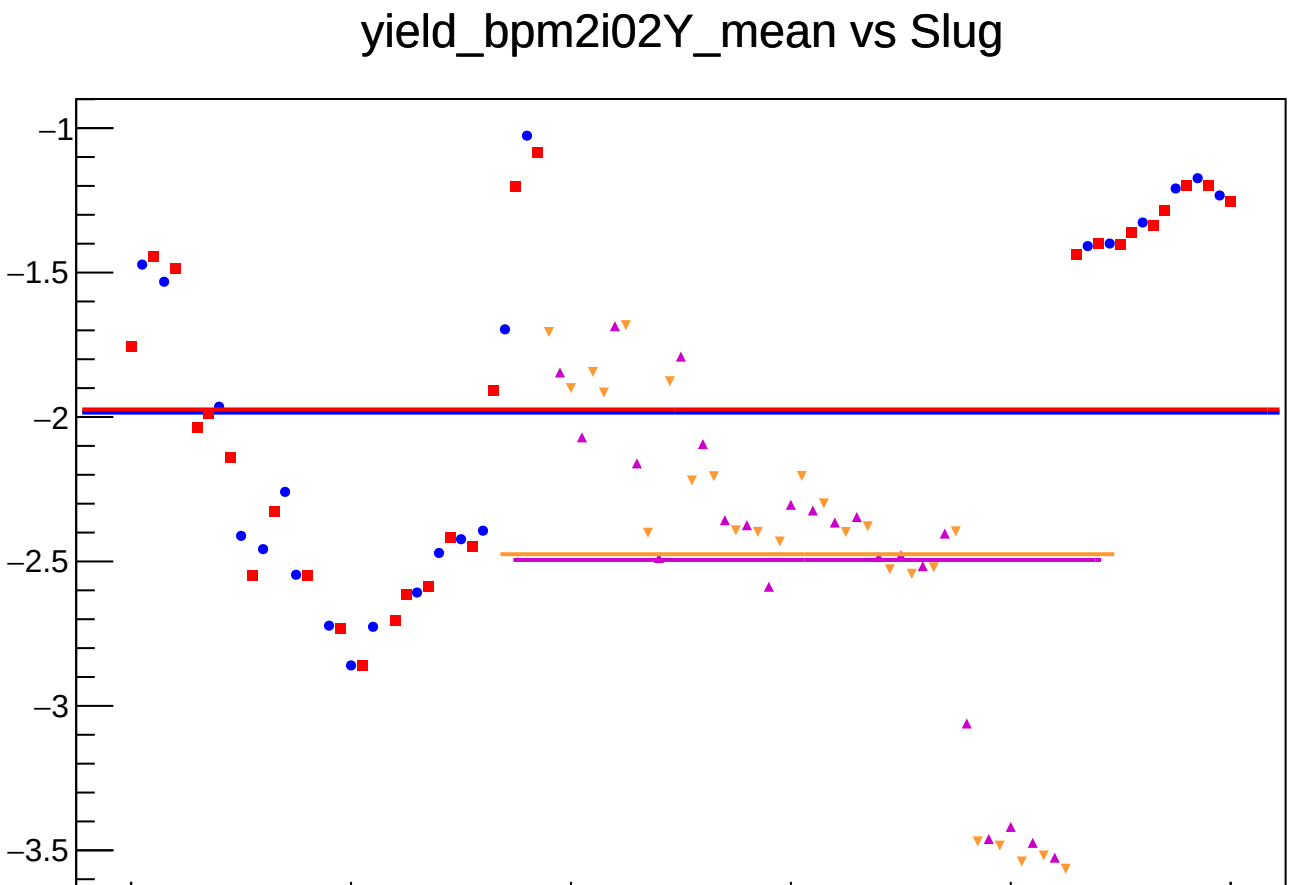
Right Out: 0.007+/-0.000 χ^2/NDF: 2327751.9/27

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2690618.2/46

All: 0.007+/-0.000 χ^2/NDF: 6159261.3/97

- sign 0.007+/-0.000 χ^2/NDF: 3467957.1/50



Right In: -1.985+/-0.000 χ^2/NDF: 93956345335.0/21

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.974+/-0.000 χ^2/NDF: 95371546165.6/27

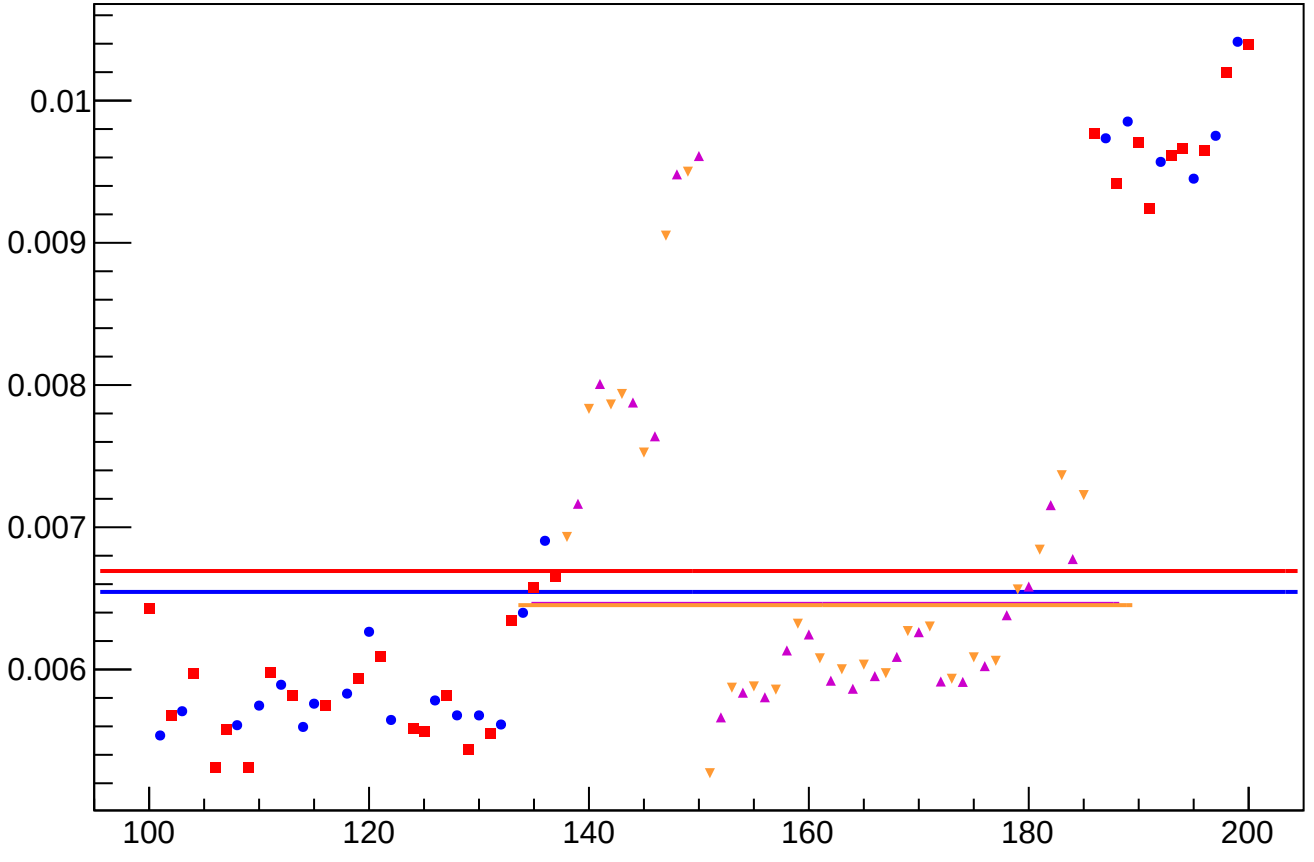
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.299+/-0.000 χ^2/NDF: 256098188747.7/46

All: -2.293+/-0.000 χ^2/NDF: 494939058009.0

- sign -2.286+/-0.000 χ^2/NDF: 238781947589.7/50

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1202131.2/21

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

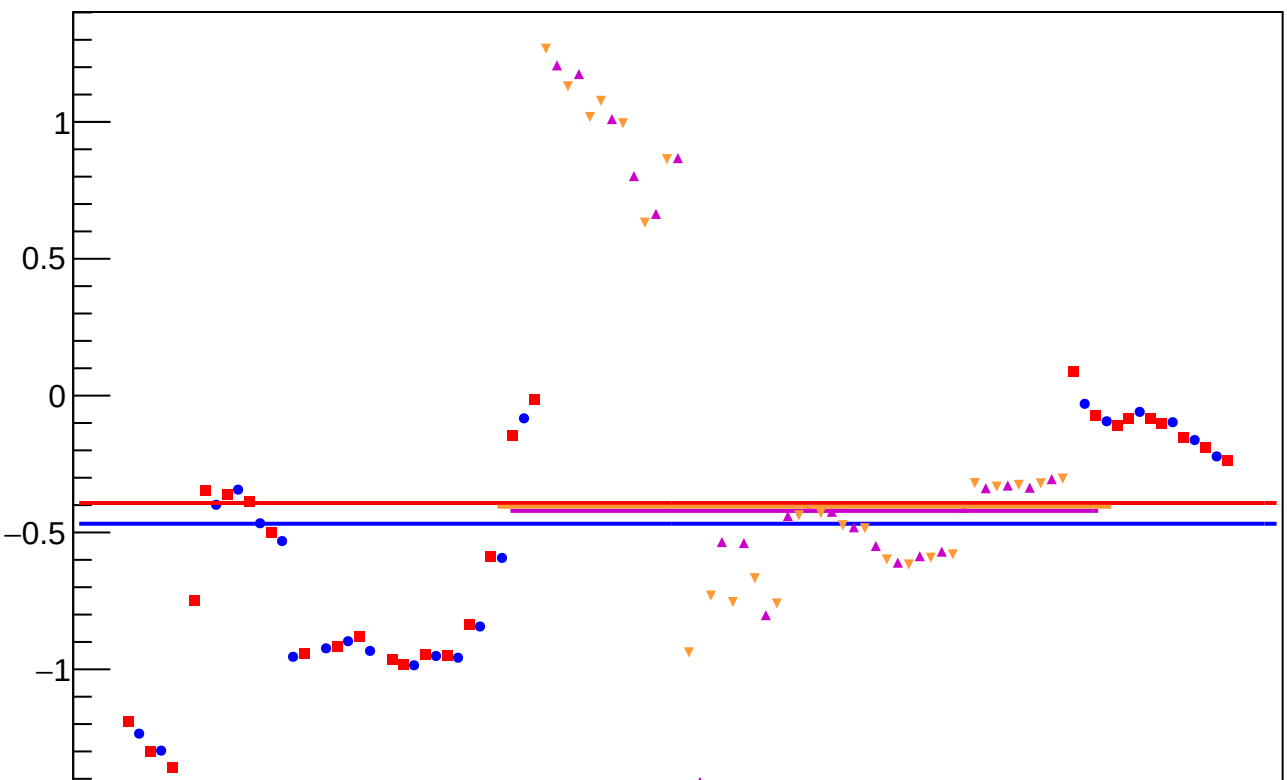
Right Out: 0.007+/-0.000 χ^2/NDF: 1645071.0/27

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1918186.1/46

All: 0.007+/-0.000 χ^2/NDF: 4305538.0/97

- sign 0.007+/-0.000 χ^2/NDF: 2384044.6/50



Right In: -0.468+/-0.000 χ^2/NDF: 22725408900.9/21

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.392+/-0.000 χ^2/NDF: 26675428445.6/27

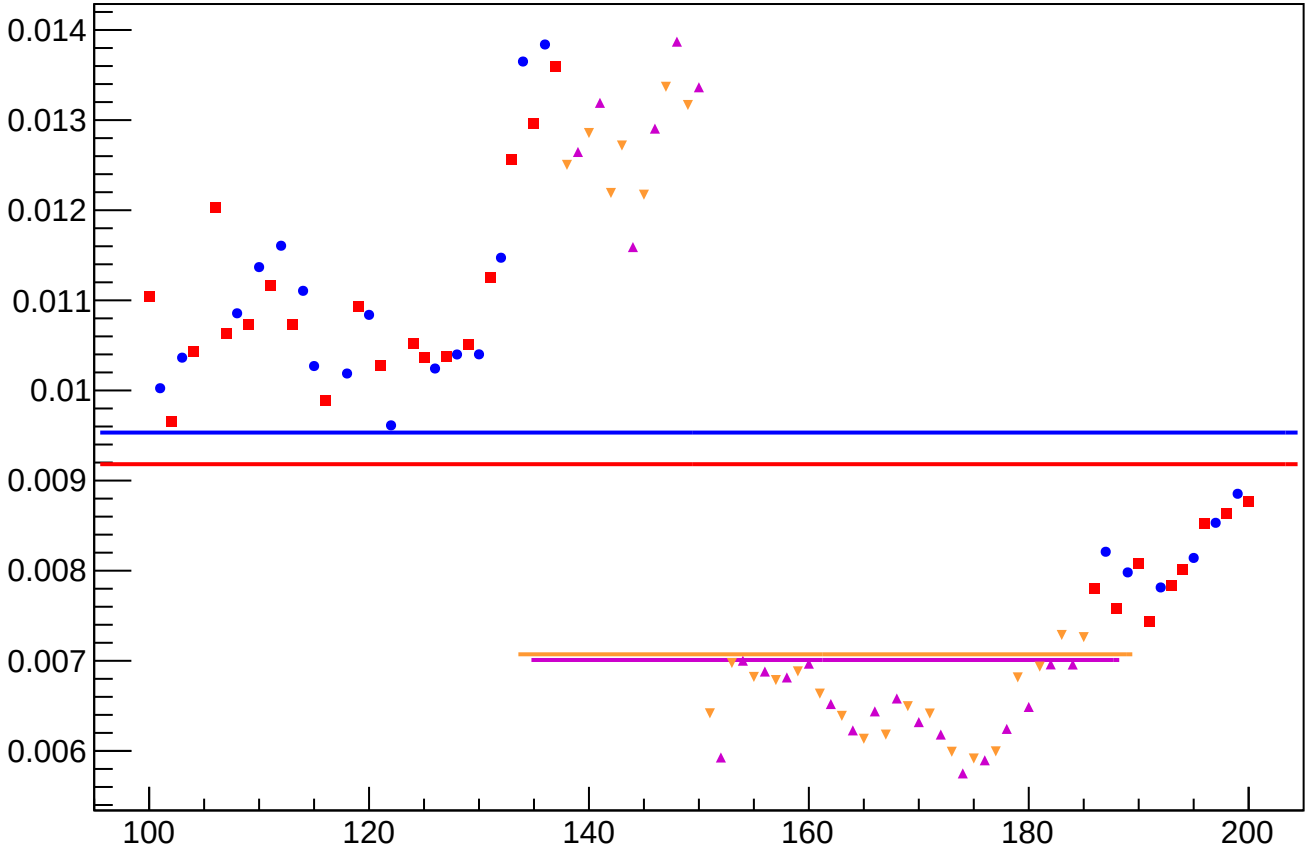
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.422+/-0.000 χ^2/NDF: 104708209476.1/46

All: -0.417+/-0.000 χ^2/NDF: 221736167364.8

- sign -0.412+/-0.000 χ^2/NDF: 117005588296.7/50

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 595418.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

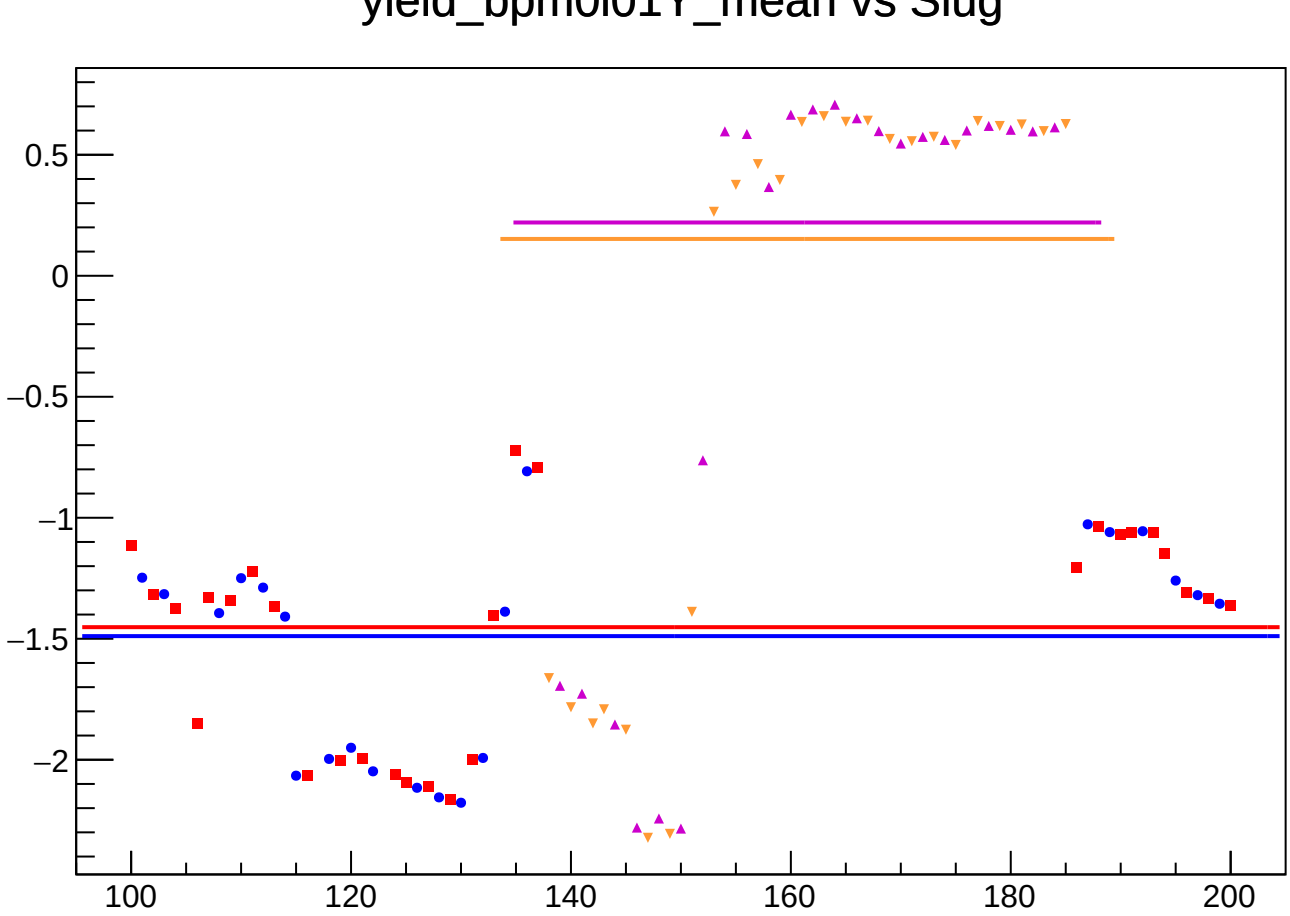
Right Out: 0.009+/-0.000 χ^2/NDF: 675110.0/27

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4074786.6/46

All: 0.008+/-0.000 χ^2/NDF: 8211696.9/97

- sign 0.008+/-0.000 χ^2/NDF: 4136844.3/50



Right In: -1.489+/-0.000 χ^2/NDF: 181387967540.0/21

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.452+/-0.000 χ^2/NDF: 171664984188.6/27

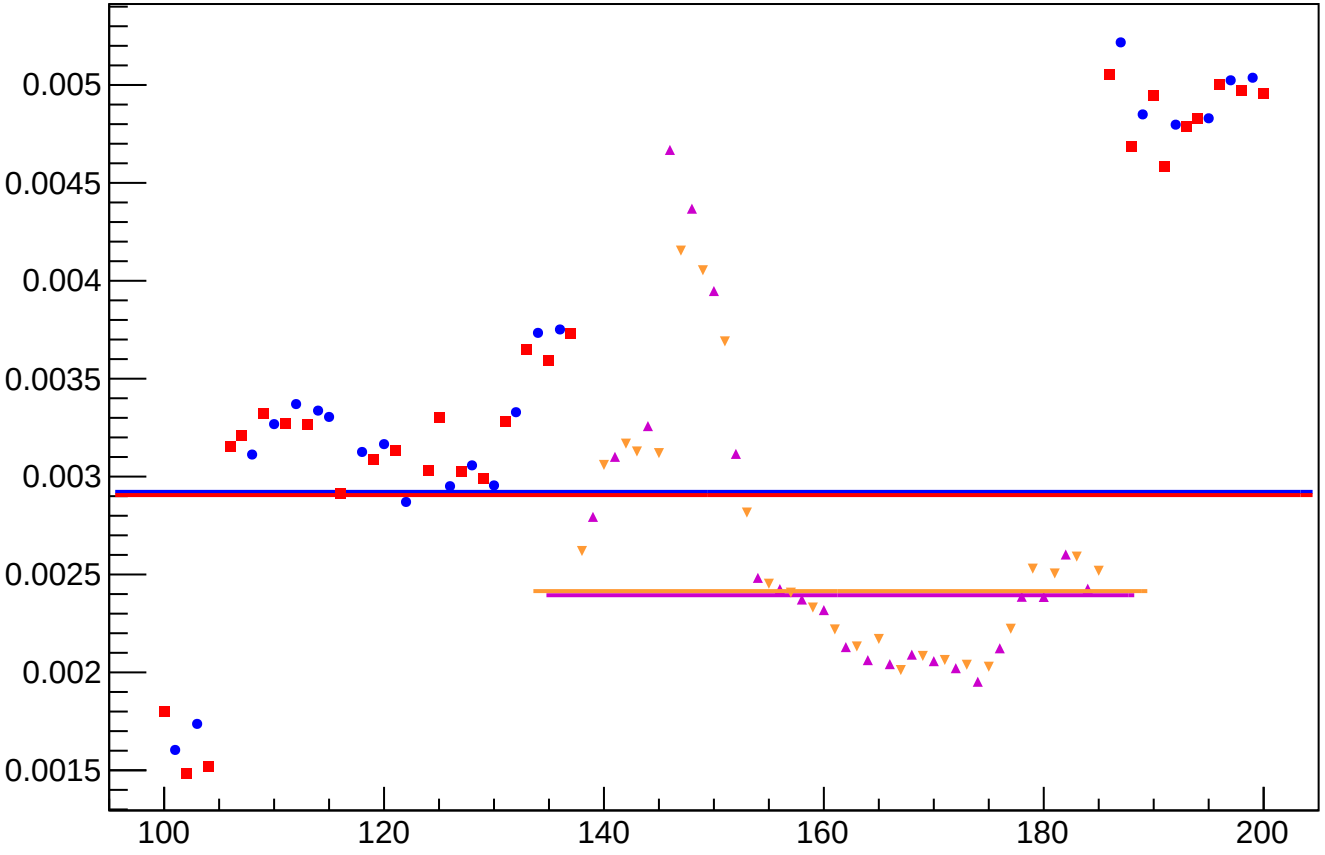
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.296+/-0.000 χ^2/NDF: 4733683949438.4/4

All: -0.300+/-0.000 χ^2/NDF: 9470625209916

- sign -0.304+/-0.000 χ^2/NDF: 4736822345106.2/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2791390.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

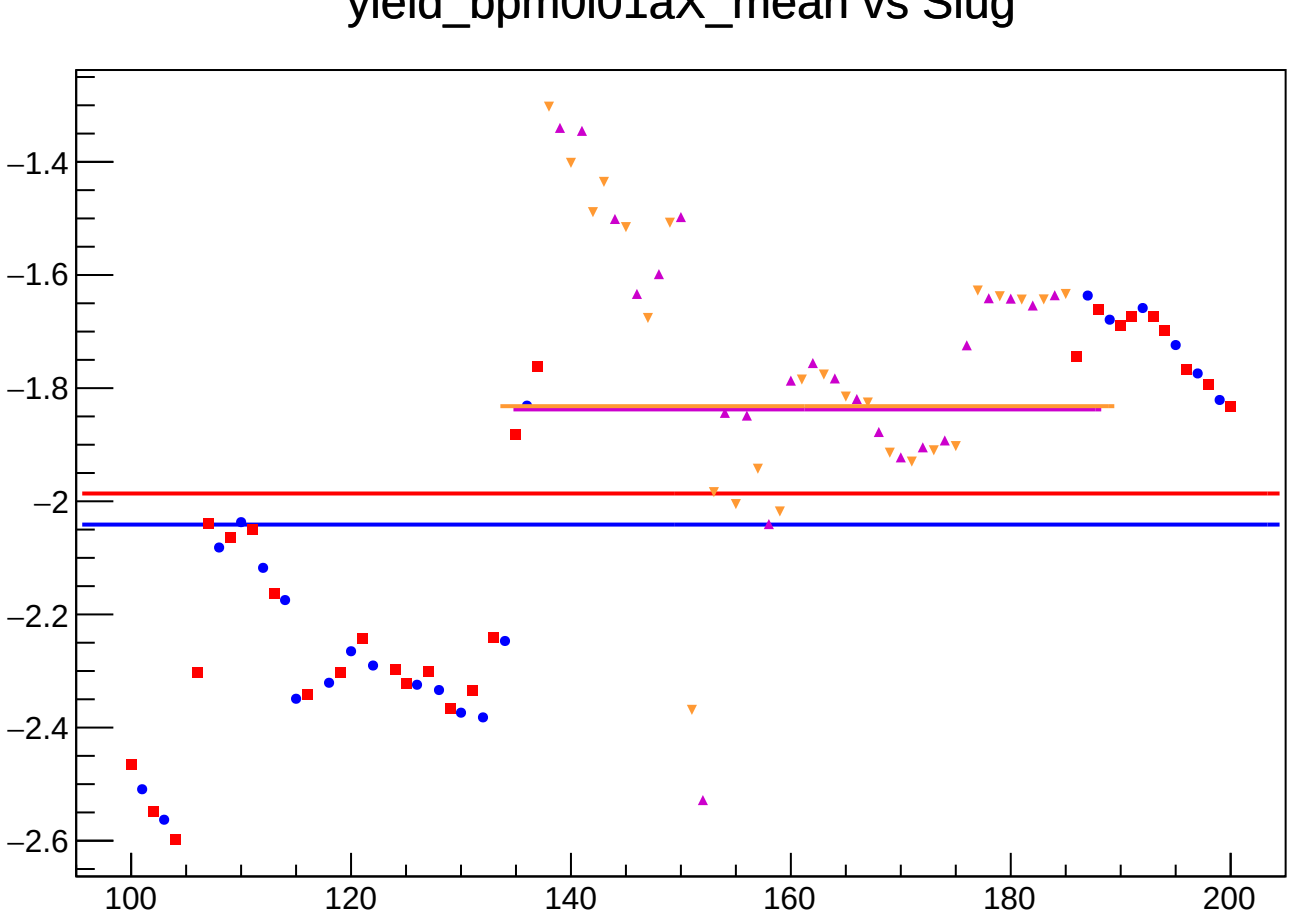
Right Out: 0.003+/-0.000 χ^2/NDF: 4009067.8/27

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 4422443.3/46

All: 0.003+/-0.000 χ^2/NDF: 10298157.2/97

- sign 0.003+/-0.000 χ^2/NDF: 5875711.8/50



Right In: -2.041+/-0.000 χ^2/NDF: 30371361008.1/21

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.986+/-0.000 χ^2/NDF: 36371473744.5/27

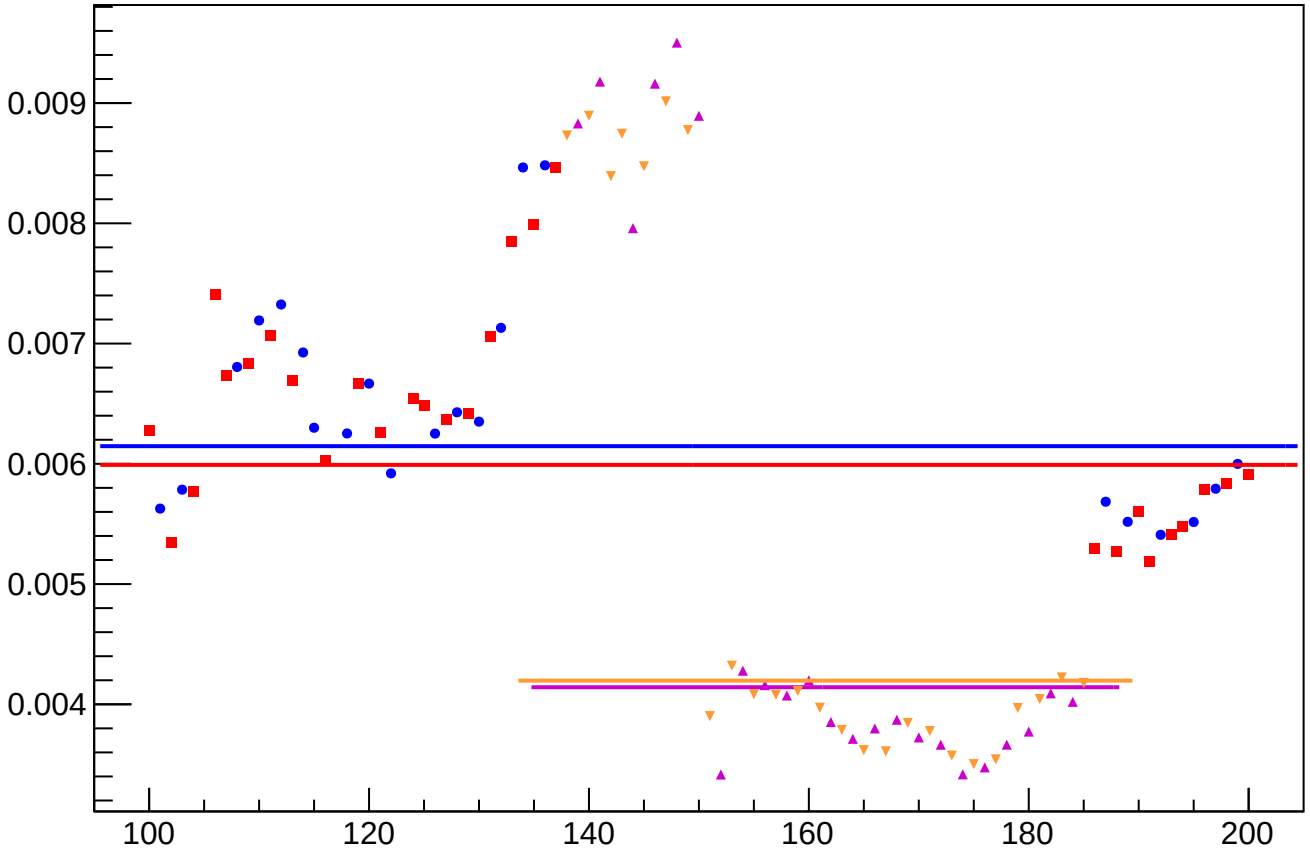
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.880+/-0.000 χ^2/NDF: 78579817114.8/46

All: -1.880+/-0.000 χ^2/NDF: 174193292834.1

- sign -1.879+/-0.000 χ^2/NDF: 95612875267.8/50

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 357342.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 377209.9/27

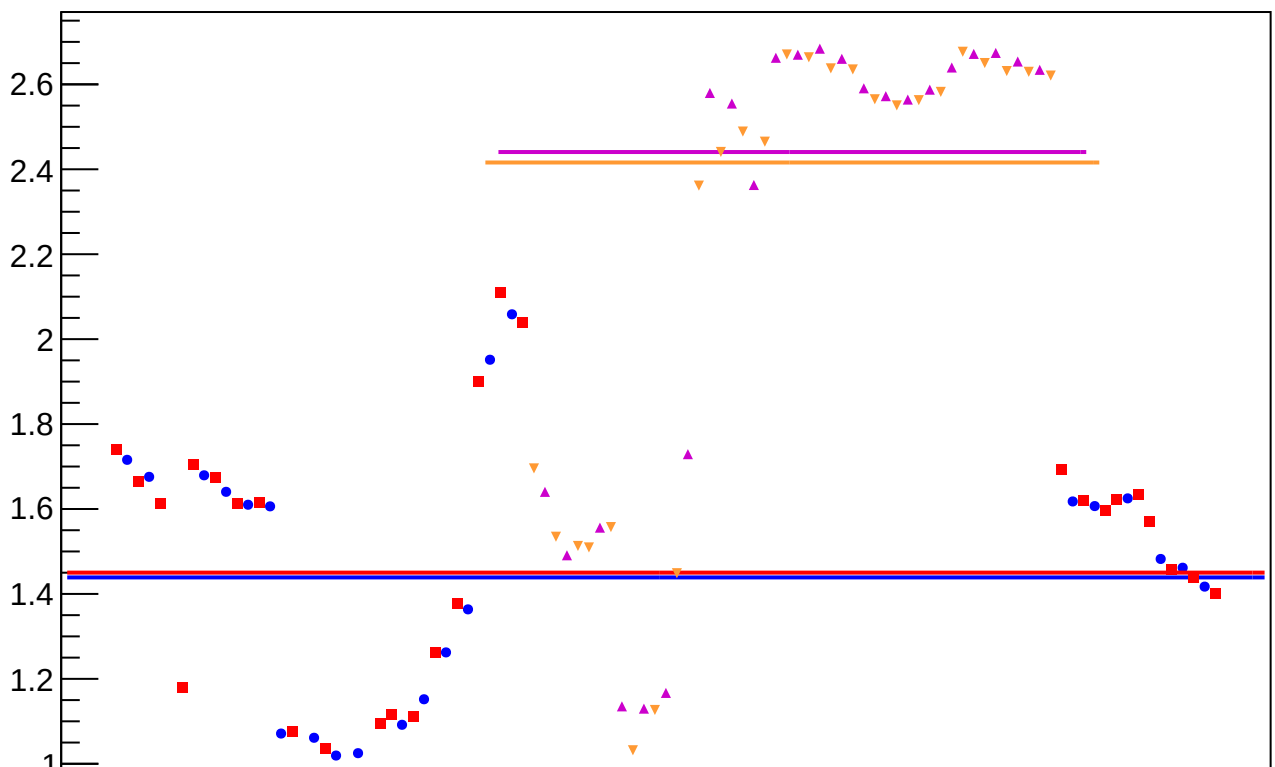
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5157666.9/46

All: 0.005+/-0.000 χ^2/NDF: 10525285.0/97

- sign 0.005+/-0.000 χ^2/NDF: 5367413.1/50

yield_bpm0i01aY_mean vs Slug



Right In: 1.439+/-0.000 χ^2/NDF: 191296699473.5/21

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.450+/-0.000 χ^2/NDF: 186370277164.6/27

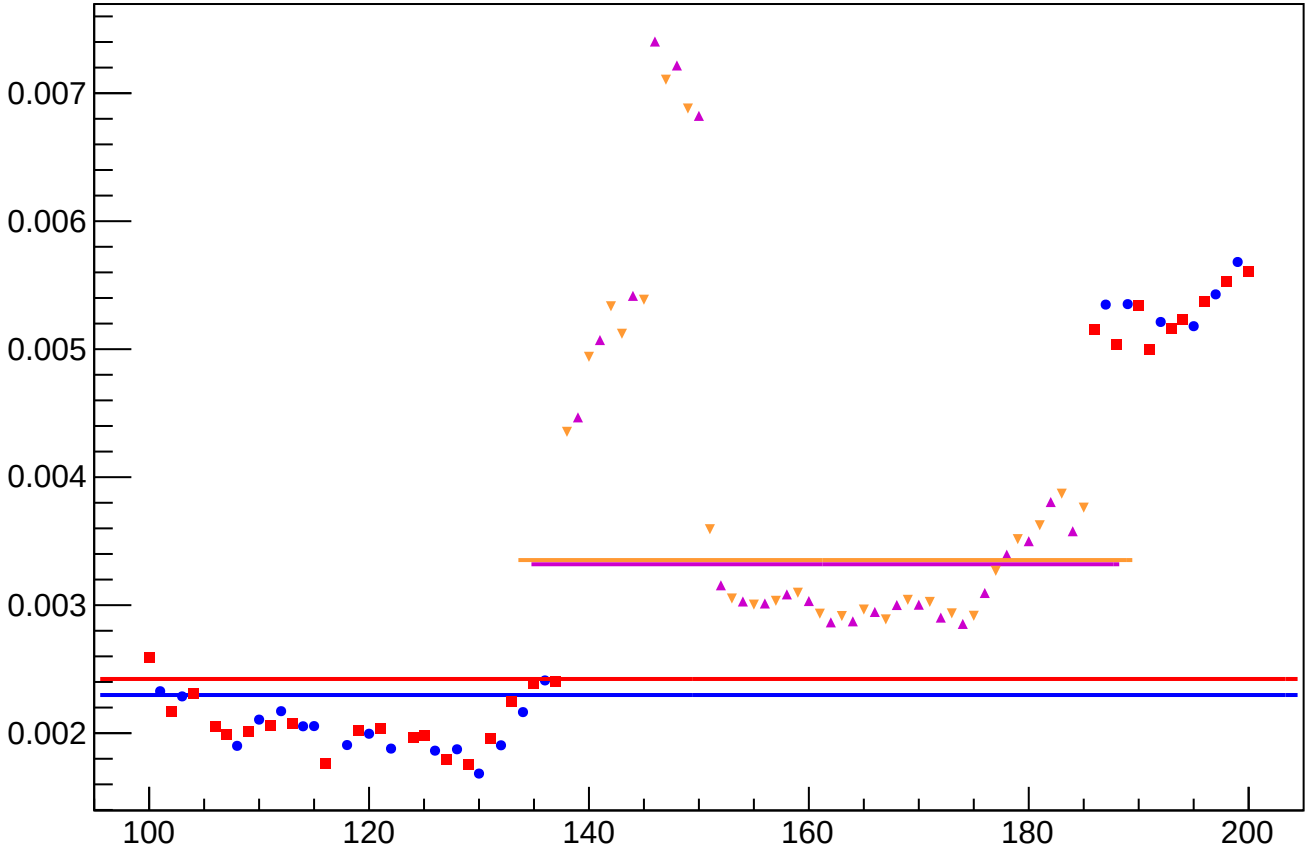
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.895+/-0.000 χ^2/NDF: 1224608669618.1/46

All: 1.893+/-0.000 χ^2/NDF: 2450255720965.

- sign 1.890+/-0.000 χ^2/NDF: 1225613571338.8/50

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3173953.1/21

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

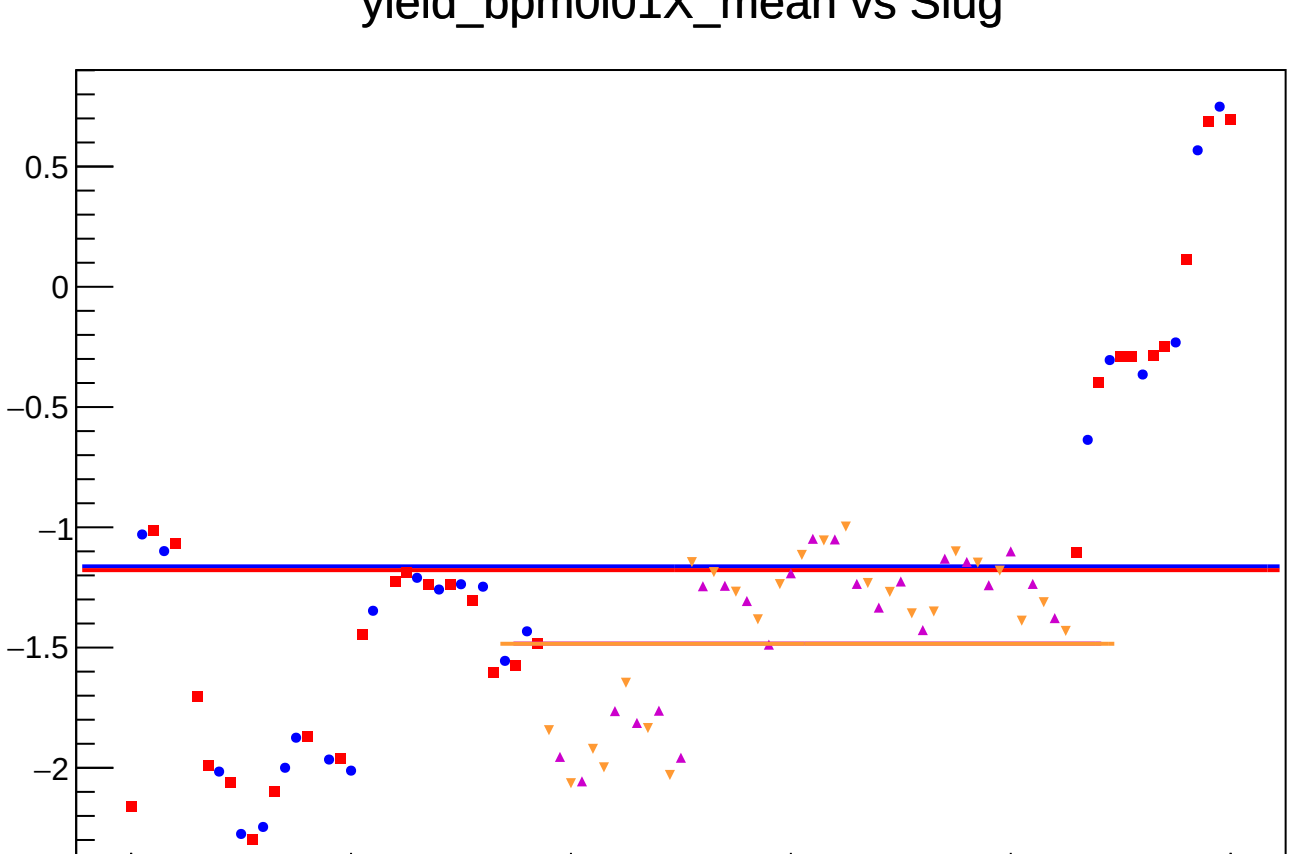
Right Out: 0.002+/-0.000 χ^2/NDF: 4215728.3/27

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 6834176.7/46

All: 0.003+/-0.000 χ^2/NDF: 14431271.3/97

- sign 0.003+/-0.000 χ^2/NDF: 7593768.6/50



Right In: -1.162+/-0.000 χ^2/NDF: 106309021255.0/21

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.178+/-0.000 χ^2/NDF: 151287909329.2/27

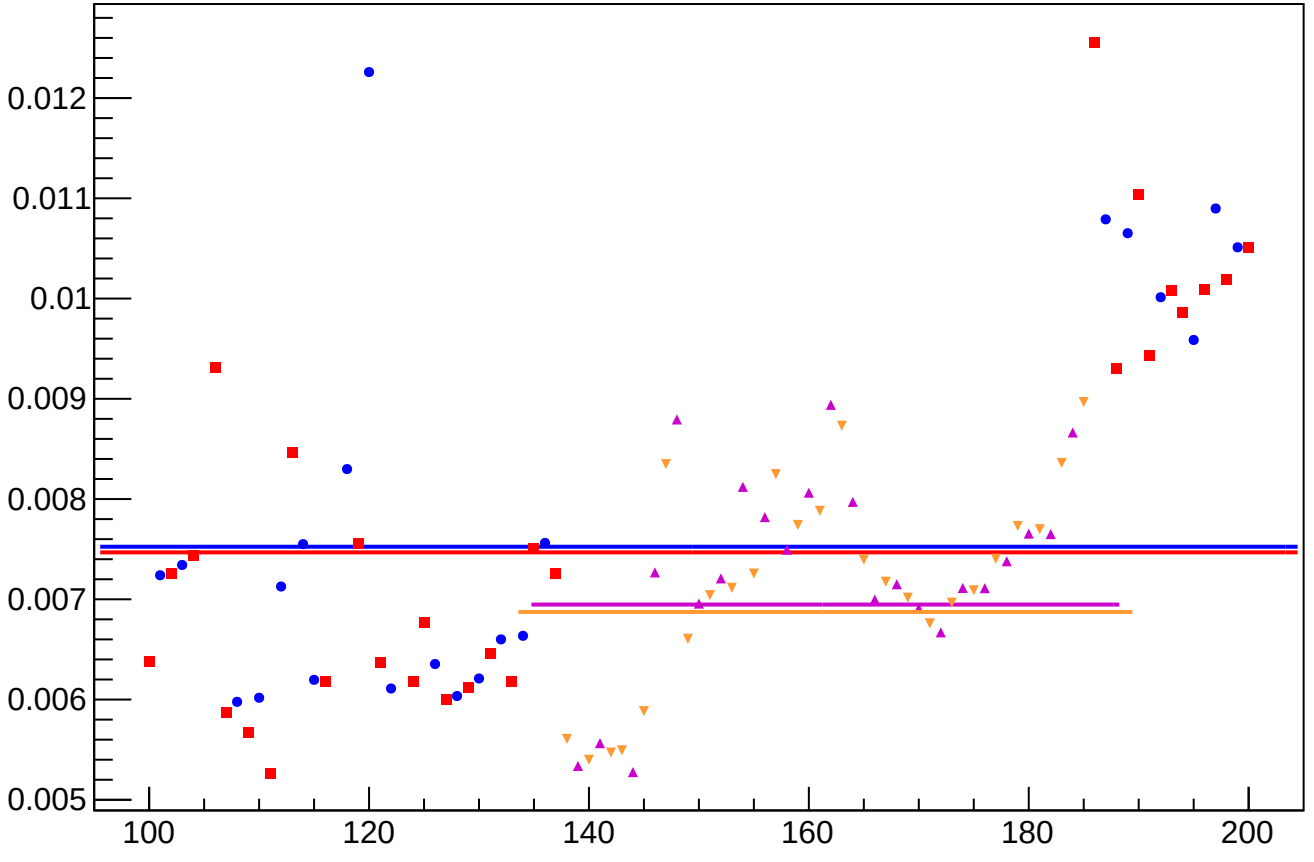
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.381+/-0.000 χ^2/NDF: 167480638684.7/46

All: -1.373+/-0.000 χ^2/NDF: 371850316482.5

- sign -1.366+/-0.000 χ^2/NDF: 204303523894.2/50

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1011207.5/21

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

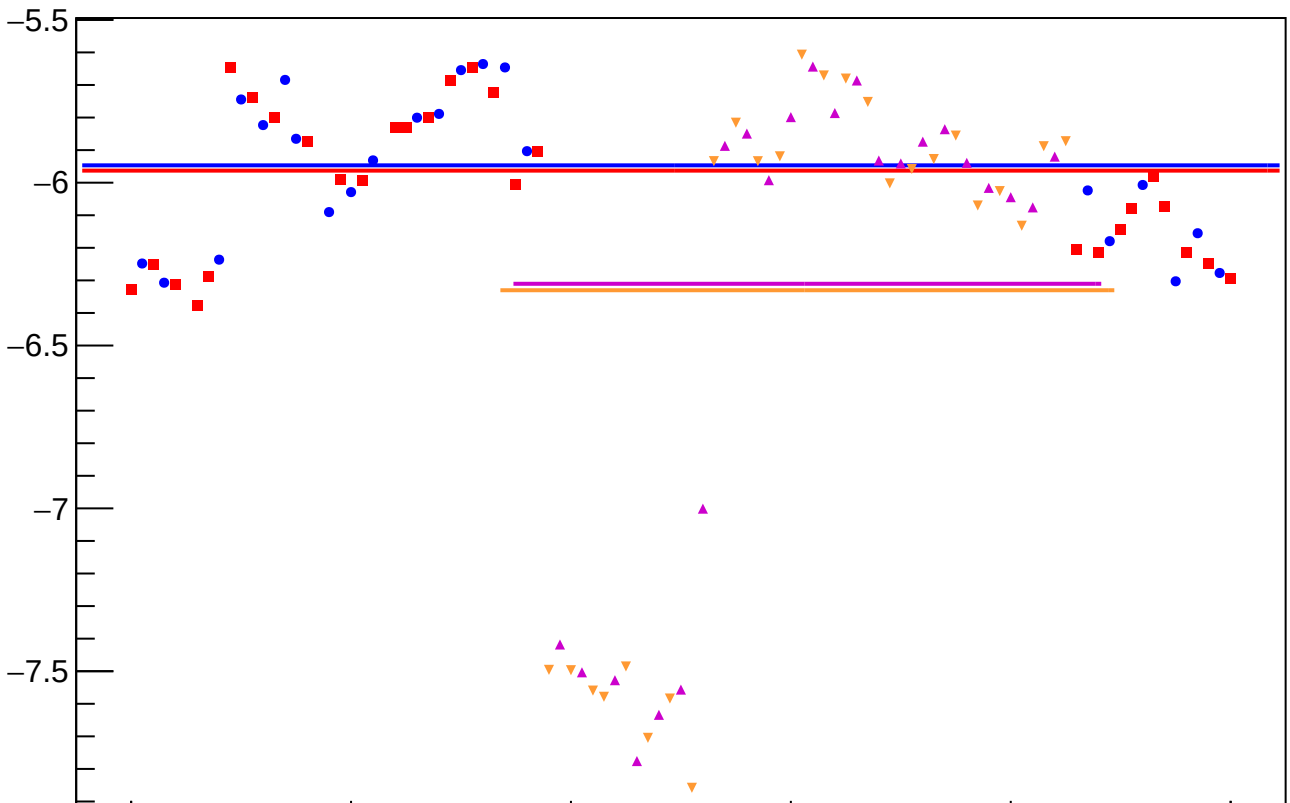
Right Out: 0.007+/-0.000 χ^2/NDF: 1393584.0/27

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1860786.5/46

All: 0.007+/-0.000 χ^2/NDF: 4077207.7/97

- sign 0.007+/-0.000 χ^2/NDF: 2213973.9/50



Right In: -5.947+/-0.000 χ^2/NDF: 13435705602.2/21

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.963+/-0.000 χ^2/NDF: 14746274169.0/27

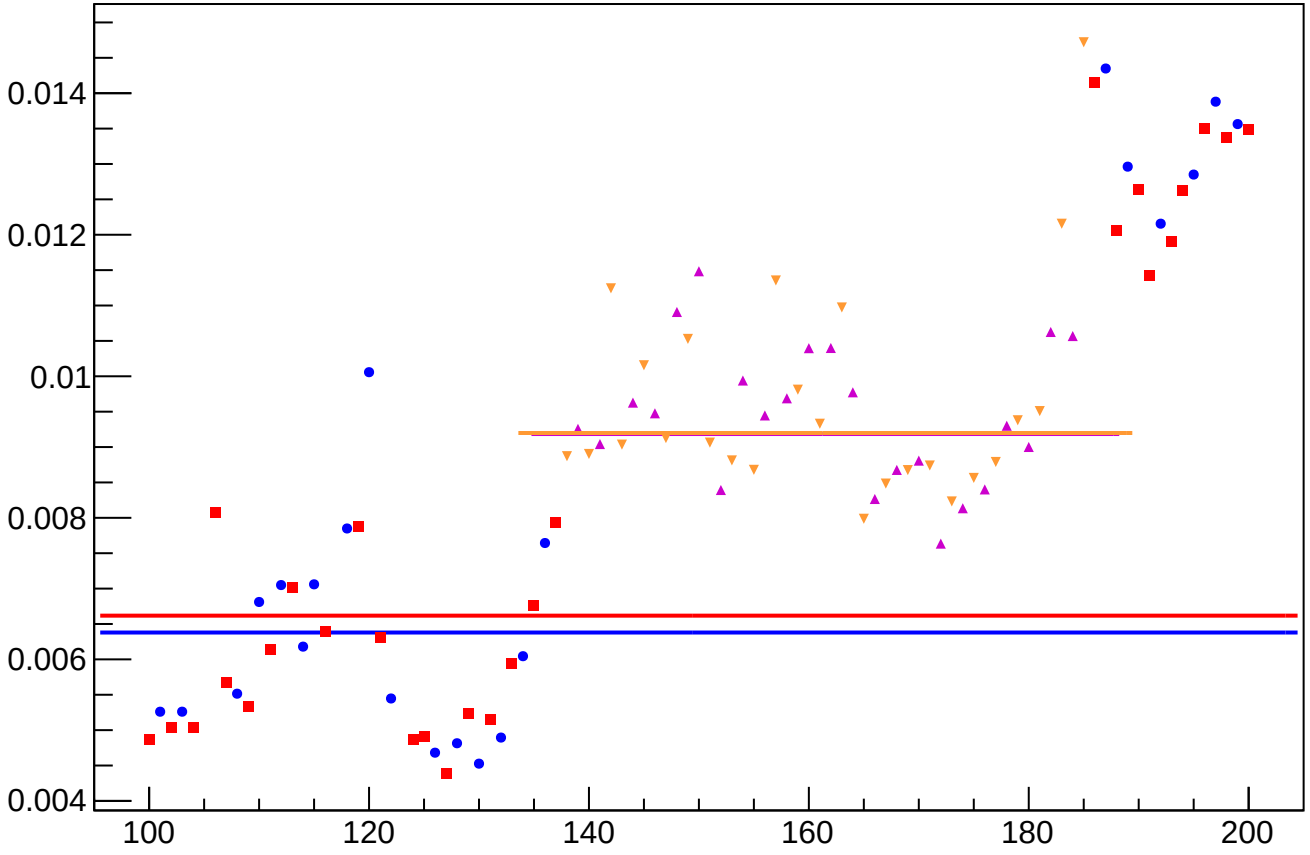
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.124+/-0.000 χ^2/NDF: 138862794875.9/46

All: -6.117+/-0.000 χ^2/NDF: 258016803919.3

- sign -6.111+/-0.000 χ^2/NDF: 119117159241.4/50

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2935738.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3635797.7/27

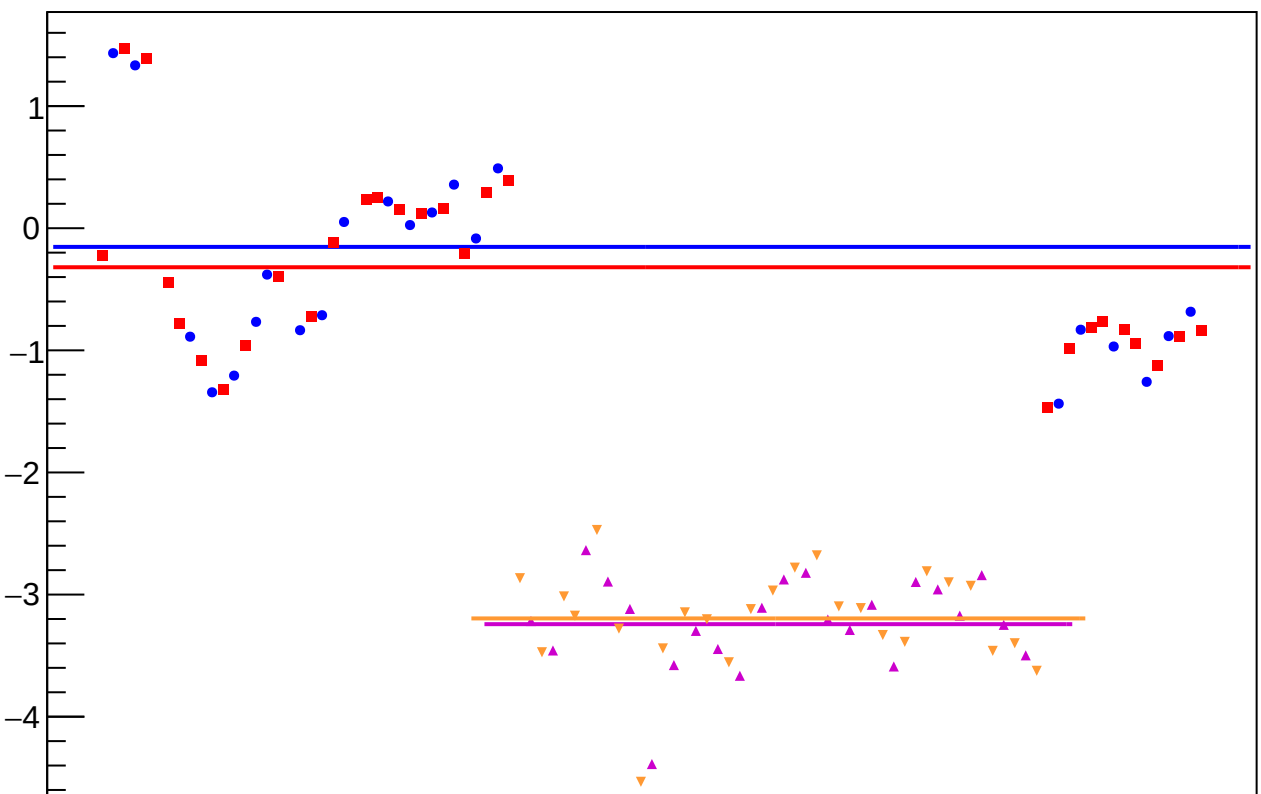
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4934882.8/46

All: 0.008+/-0.000 χ^2/NDF: 10273845.1/97

- sign 0.008+/-0.000 χ^2/NDF: 5338651.2/50

yield_bpm0l02X_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 30022079980.0/21

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.320+/-0.000 χ^2/NDF: 33603570293.0/27

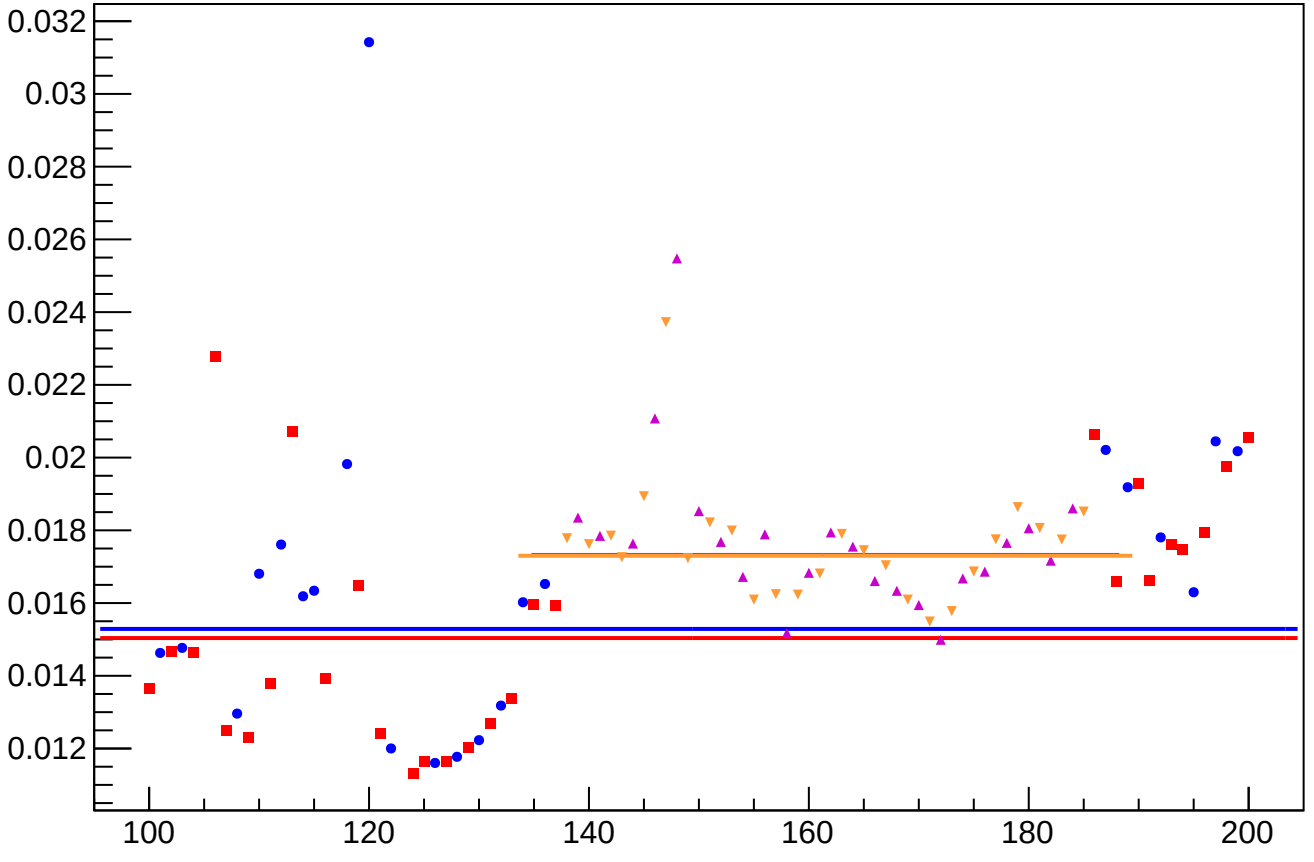
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.934+/-0.000 χ^2/NDF: 277713594830.0/46

All: -1.876+/-0.000 χ^2/NDF: 562475734940.

- sign -1.822+/-0.000 χ^2/NDF: 284067661361.0/50

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 871549.6/21

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

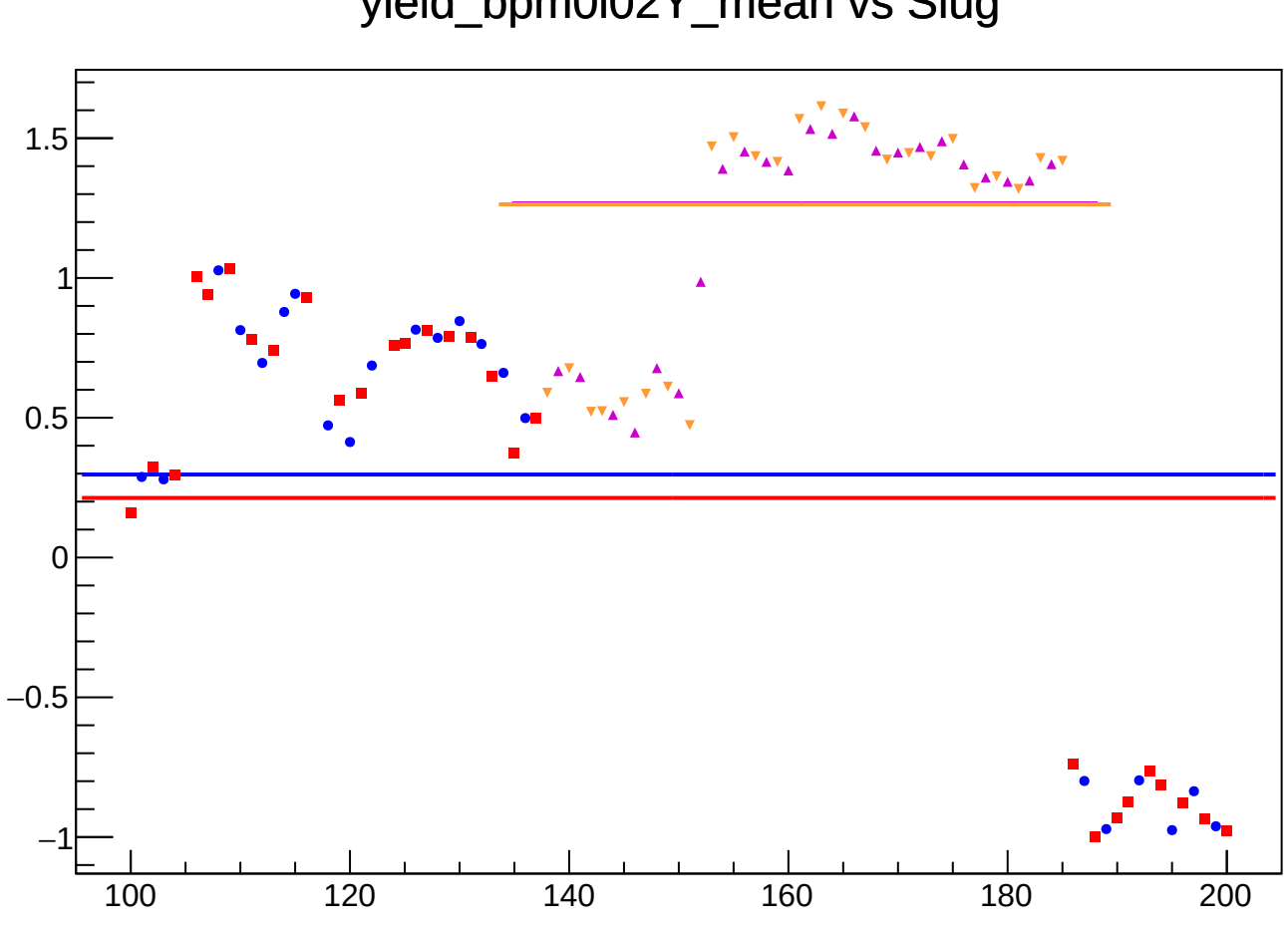
Right Out: 0.015+/-0.000 χ^2/NDF: 926027.0/27

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

\+ sign 0.016+/-0.000 χ^2/NDF: 1297954.9/46

All: 0.016+/-0.000 χ^2/NDF: 2857511.0/97

\- sign 0.016+/-0.000 χ^2/NDF: 1552419.8/50



Right In: 0.297+/-0.000 χ^2/NDF: 50609045997.0/21

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.213+/-0.000 χ^2/NDF: 70441333896.2/27

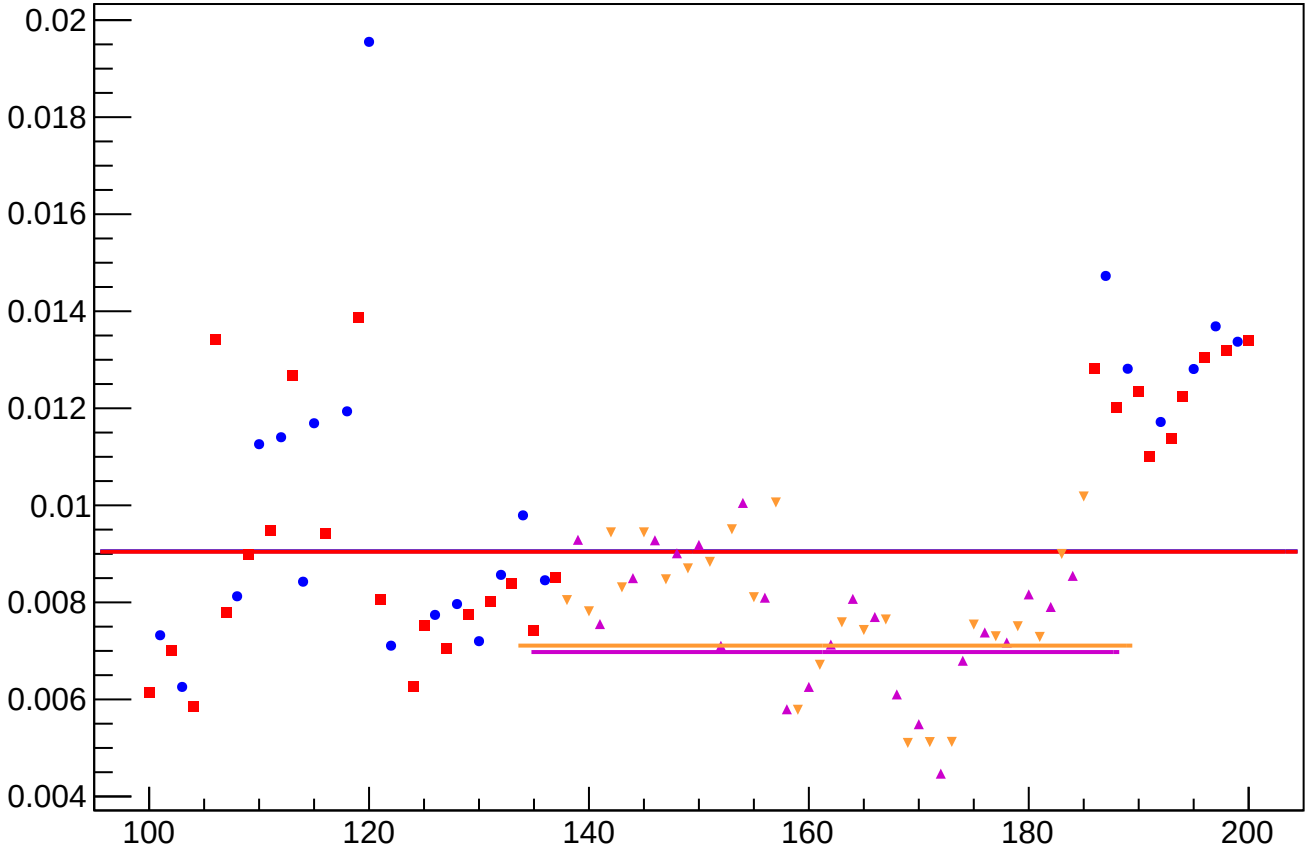
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.010+/-0.000 χ^2/NDF: 178562336587.4/46

All: 0.979+/-0.000 χ^2/NDF: 399050832826.8

- sign 0.950+/-0.000 χ^2/NDF: 219631253132.2/50

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1534130.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

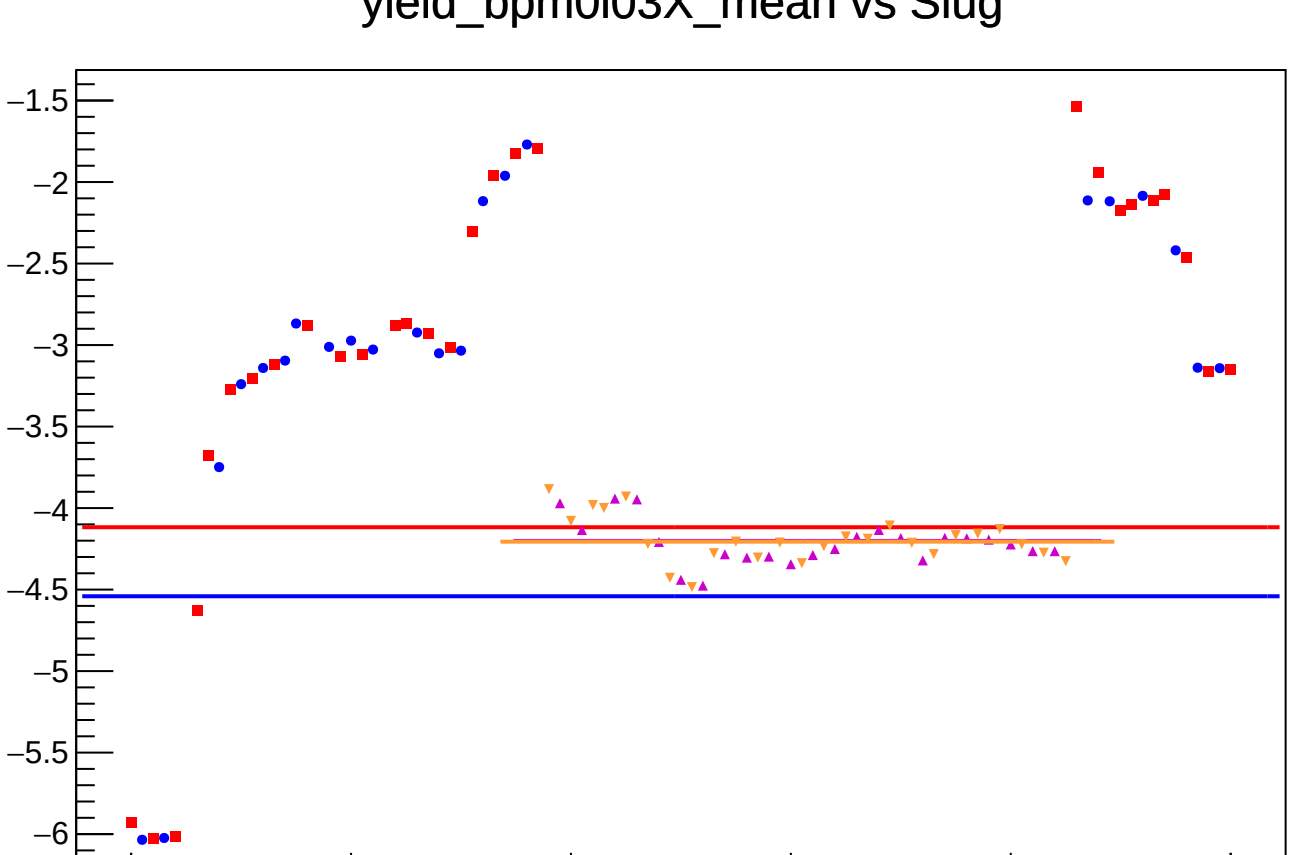
Right Out: 0.009+/-0.000 χ^2/NDF: 1828441.1/27

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 3719527.0/46

All: 0.008+/-0.000 χ^2/NDF: 7864320.2/97

- sign 0.008+/-0.000 χ^2/NDF: 4144611.4/50



Right In: -4.541+/-0.000 χ^2/NDF: 258077273375.5/21

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.118+/-0.000 χ^2/NDF: 297382897607.4/27

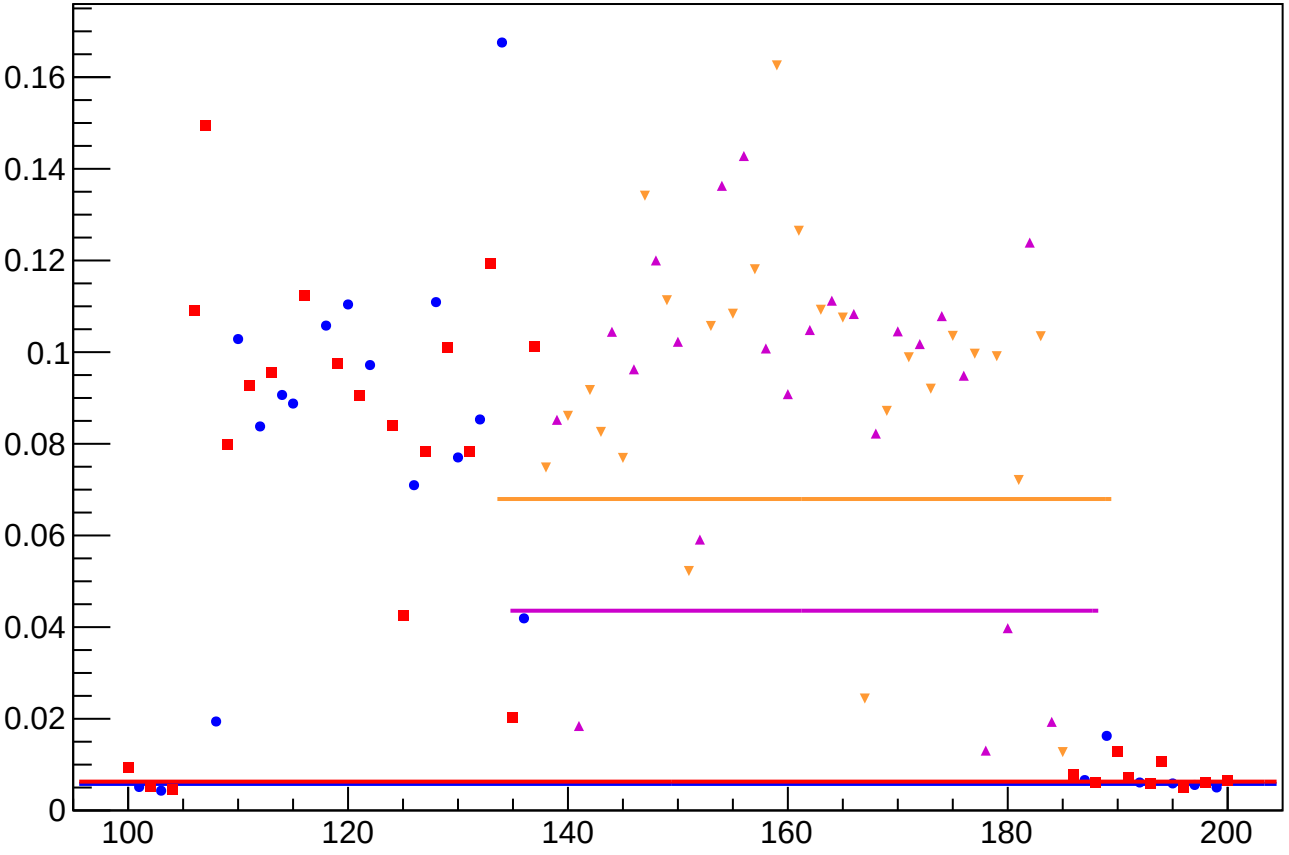
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.531+/-0.000 χ^2/NDF: 258428738501.2/46

All: -4.331+/-0.000 χ^2/NDF: 563605007057.5

- sign -4.121+/-0.000 χ^2/NDF: 297453316452.8/50

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8818854.6/21

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8912749.4/27

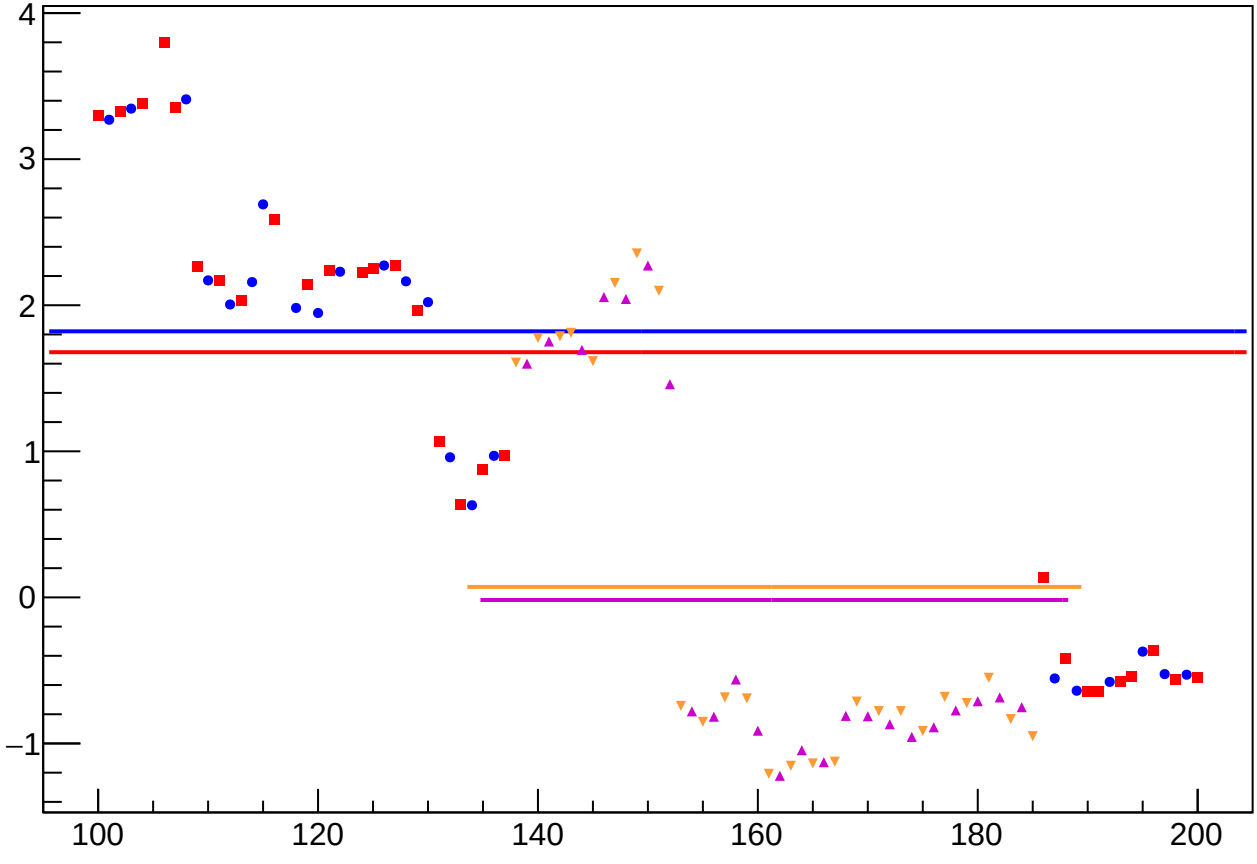
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36434372.4/46

All: 0.008+/-0.000 χ^2/NDF: 68988306.7/97

- sign 0.008+/-0.000 χ^2/NDF: 32535712.8/50

yield_bpm0l03Y_mean vs Slug



Right In: 1.821+/-0.000 χ^2/NDF: 171377900138.6/21

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.679+/-0.000 χ^2/NDF: 181249010763.4/27

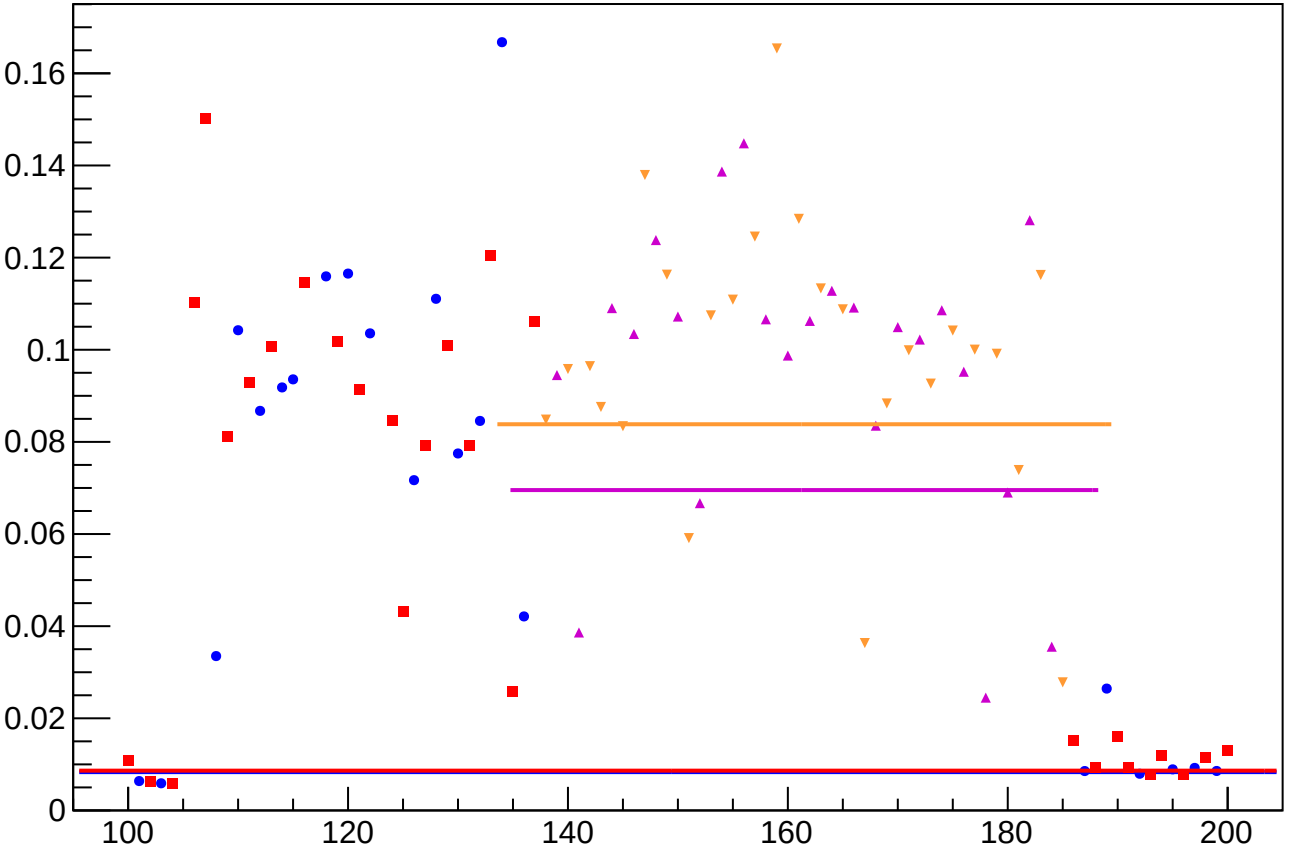
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.752+/-0.000 χ^2/NDF: 181063412296.7/46

All: 1.677+/-0.000 χ^2/NDF: 372895902426.3

- sign 1.603+/-0.000 χ^2/NDF: 191244352904.4/50

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8587136.0/21

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

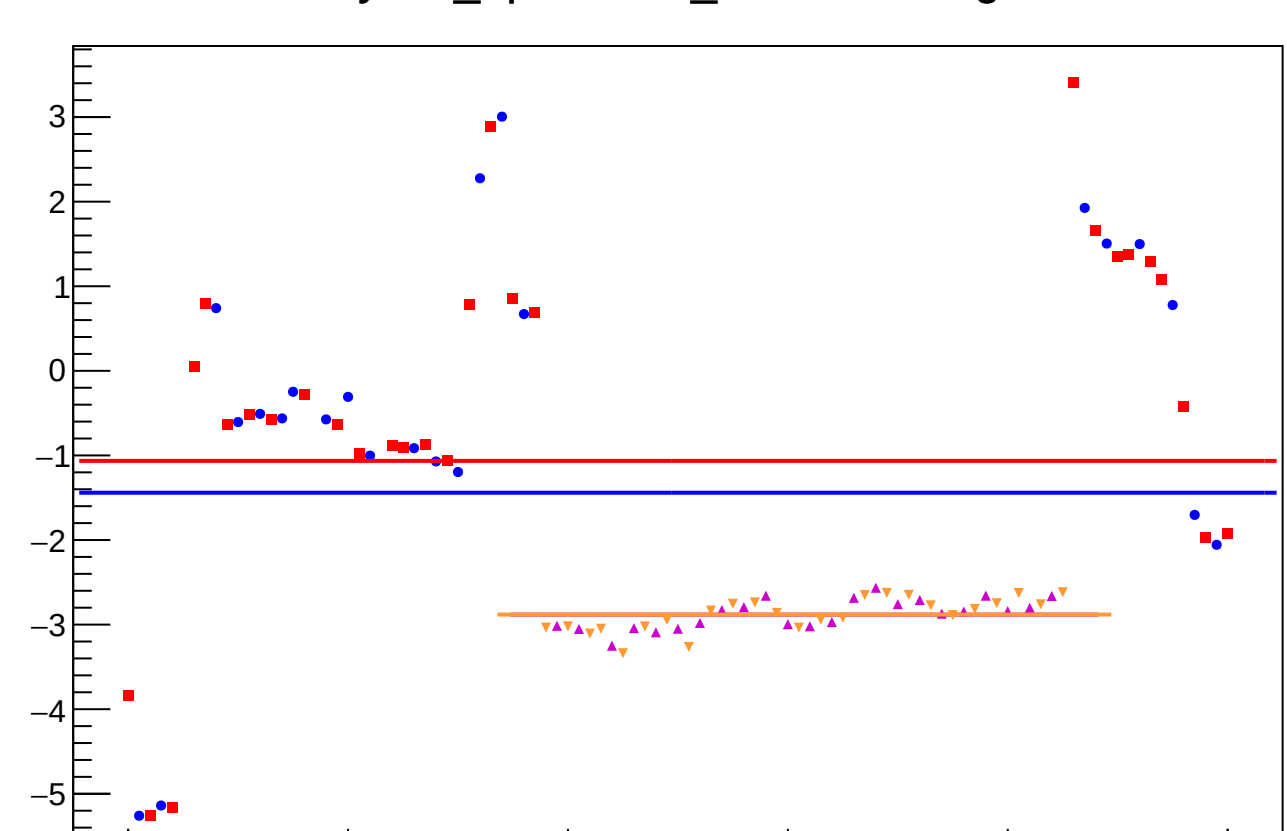
Right Out: 0.009+/-0.000 χ^2/NDF: 8802047.9/27

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 34954154.9/46

All: 0.011+/-0.000 χ^2/NDF: 67311323.4/97

- sign 0.011+/-0.000 χ^2/NDF: 32357071.3/50



Right In: -1.441+/-0.000 χ^2/NDF: 206802200715.7/21

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.064+/-0.000 χ^2/NDF: 232770237498.3/27

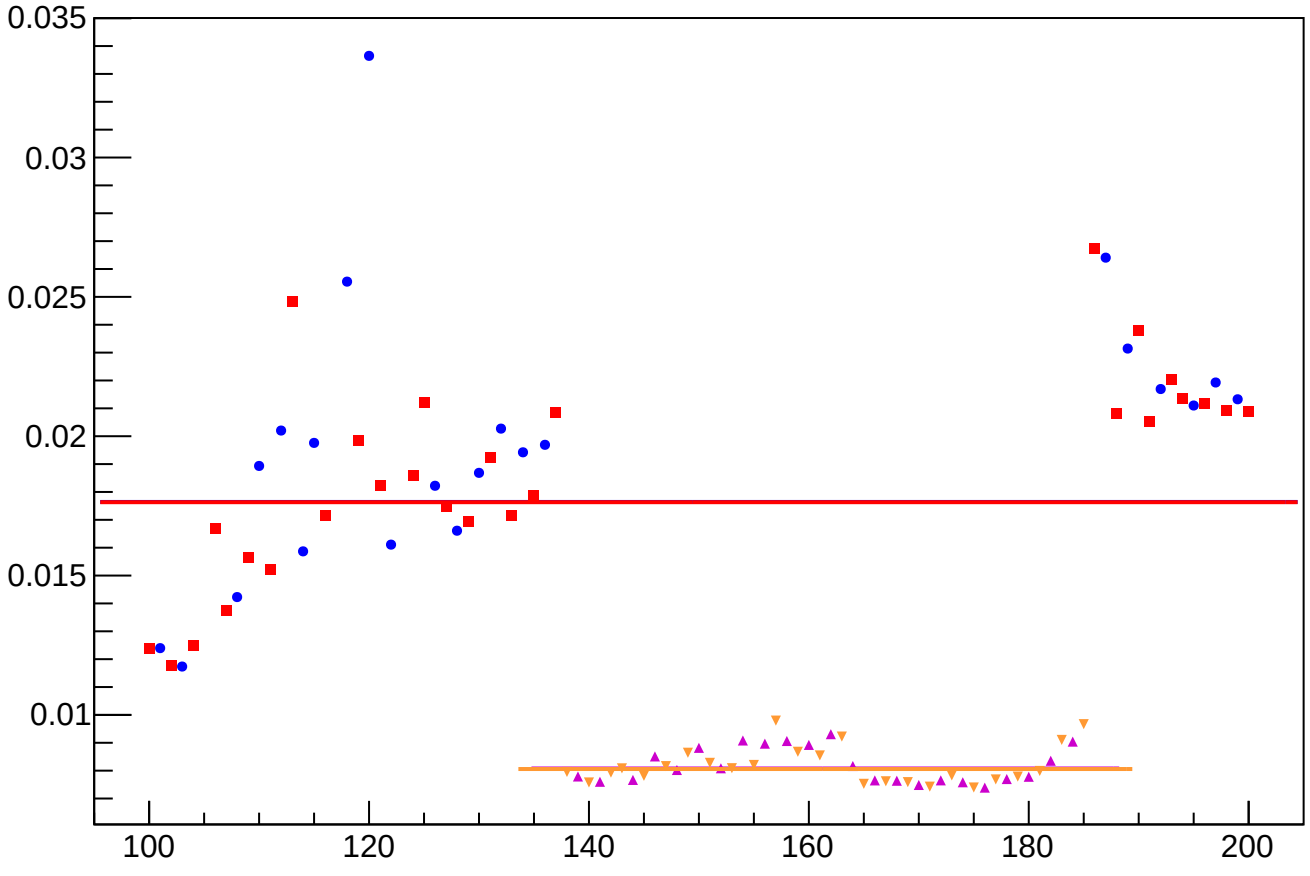
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.738+/-0.000 χ^2/NDF: 276040709284.0/46

All: -2.695+/-0.000 χ^2/NDF: 630462589688.4

- sign -2.652+/-0.000 χ^2/NDF: 353272806332.4/50

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1173587.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1119444.4/27

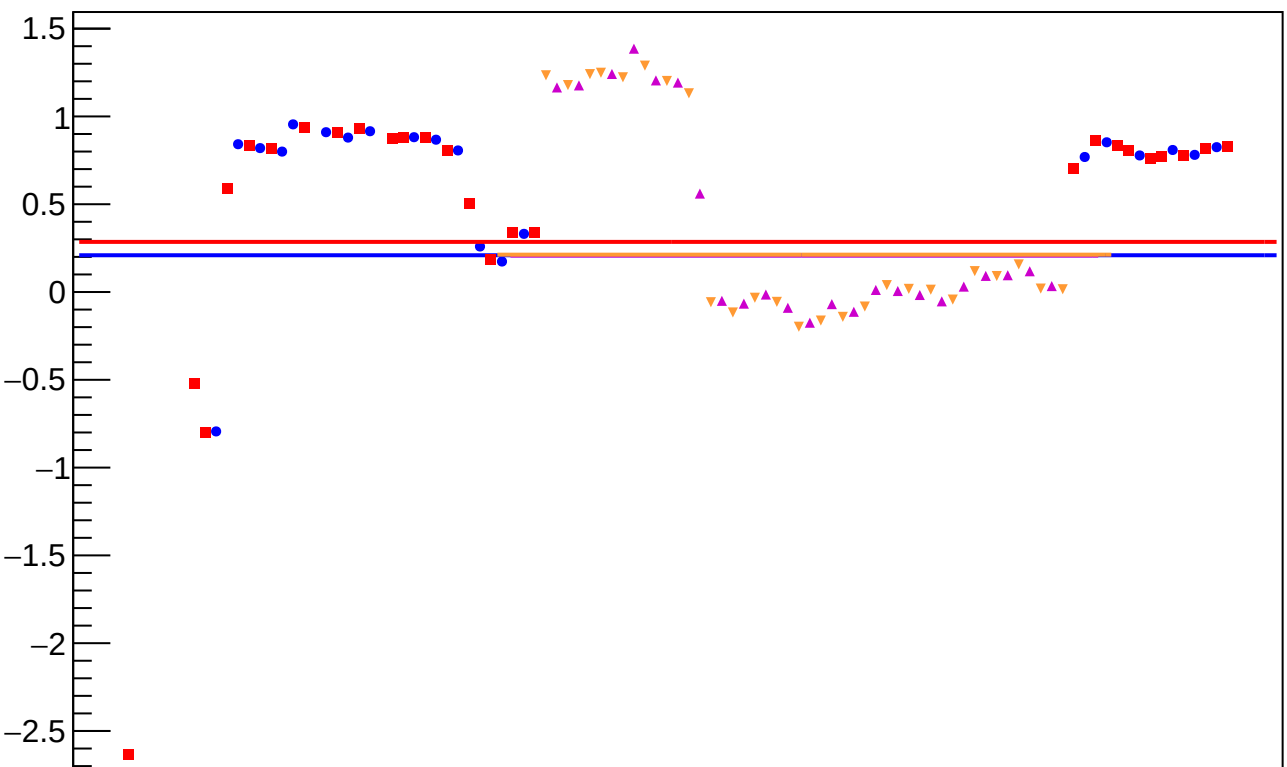
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 6553796.6/46

All: 0.009+/-0.000 χ^2/NDF: 14078016.3/97

- sign 0.009+/-0.000 χ^2/NDF: 7500307.0/50

yield_bpm0l04Y_mean vs Slug



Right In: 0.209+/-0.000 χ^2/NDF: 923883157180.6/21

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.285+/-0.000 χ^2/NDF: 1026161372586.2/27

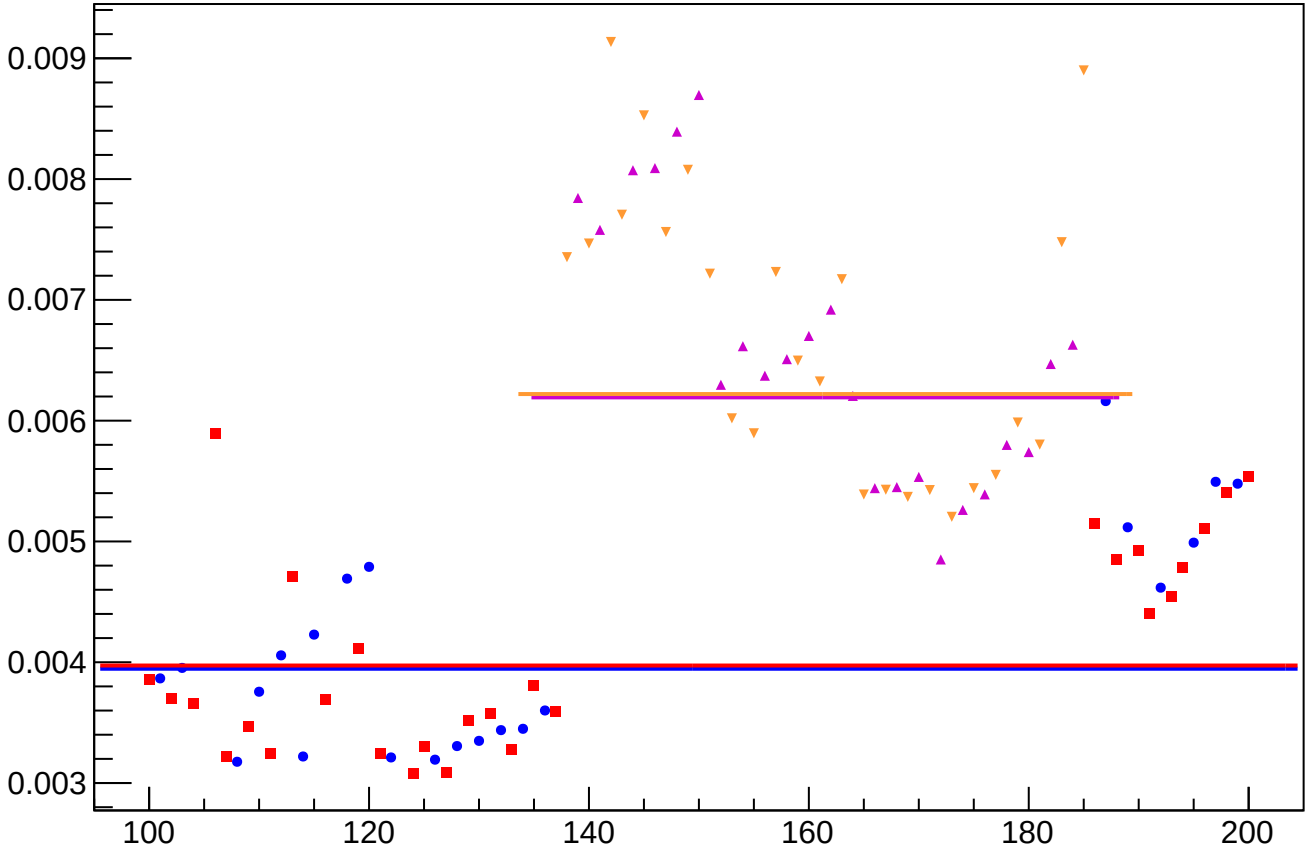
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.211+/-0.000 χ^2/NDF: 1026705310278.9/46

All: 0.236+/-0.000 χ^2/NDF: 2142980017935.

- sign 0.259+/-0.000 χ^2/NDF: 1114929876959.7/50

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 785979.5/21

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 967616.7/27

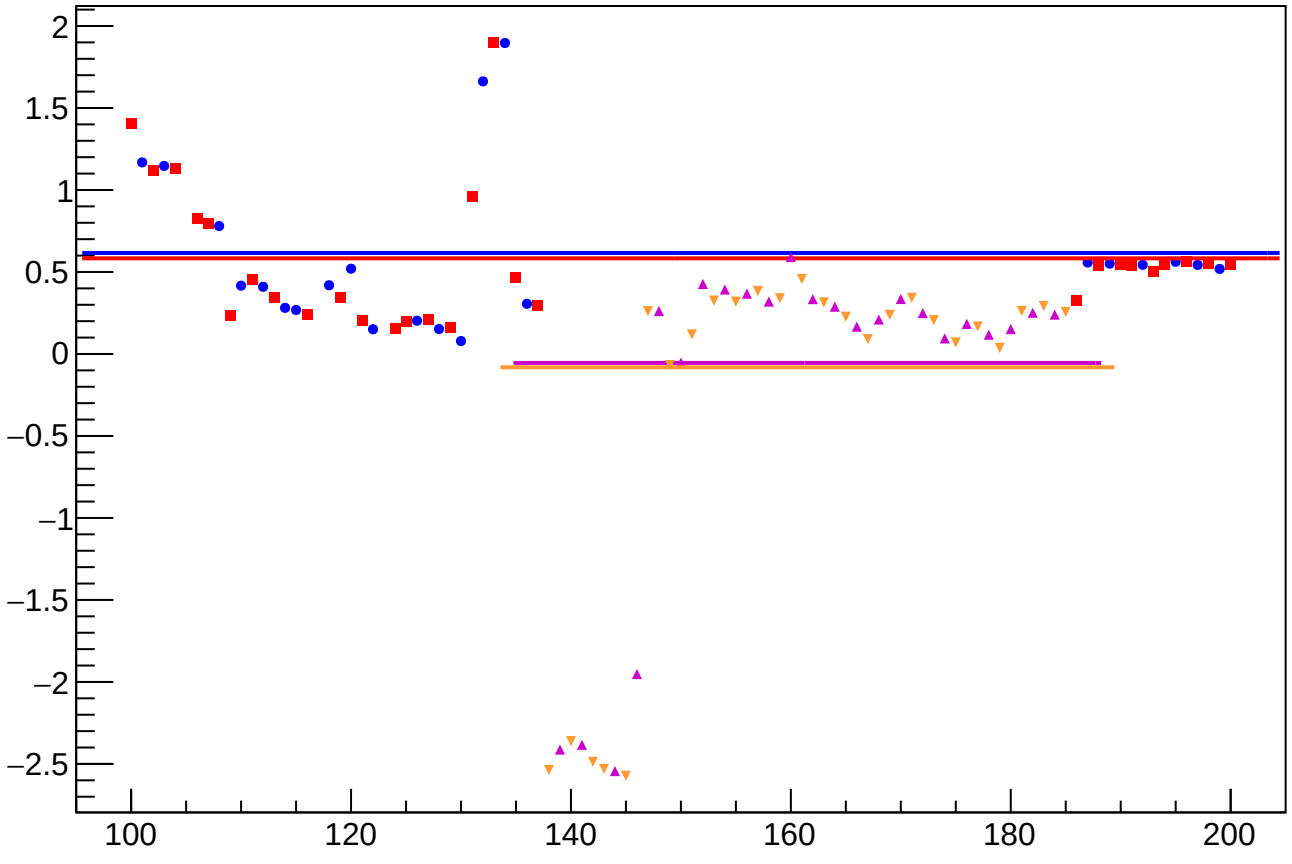
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4323023.7/46

All: 0.005+/-0.000 χ^2/NDF: 8803542.5/97

- sign 0.005+/-0.000 χ^2/NDF: 4468905.7/50

yield_bpm0l05X_mean vs Slug



Right In: 0.616+/-0.000 χ^2/NDF: 43228992788.8/21

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.583+/-0.000 χ^2/NDF: 43555580473.9/27

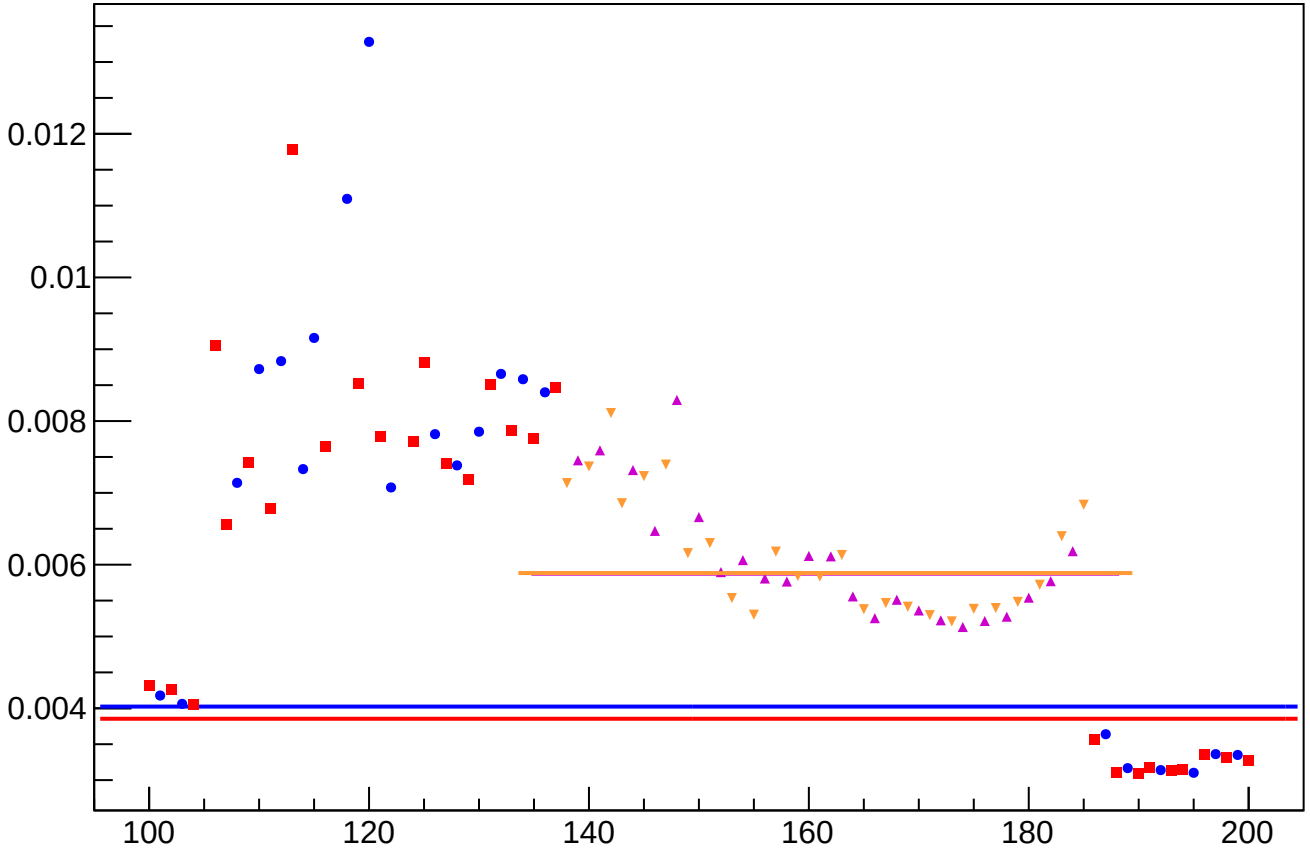
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.279+/-0.000 χ^2/NDF: 558893420577.8/46

All: 0.307+/-0.000 χ^2/NDF: 1069877460920.

- sign 0.330+/-0.000 χ^2/NDF: 509531629890.4/50

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3310251.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3376797.0/27

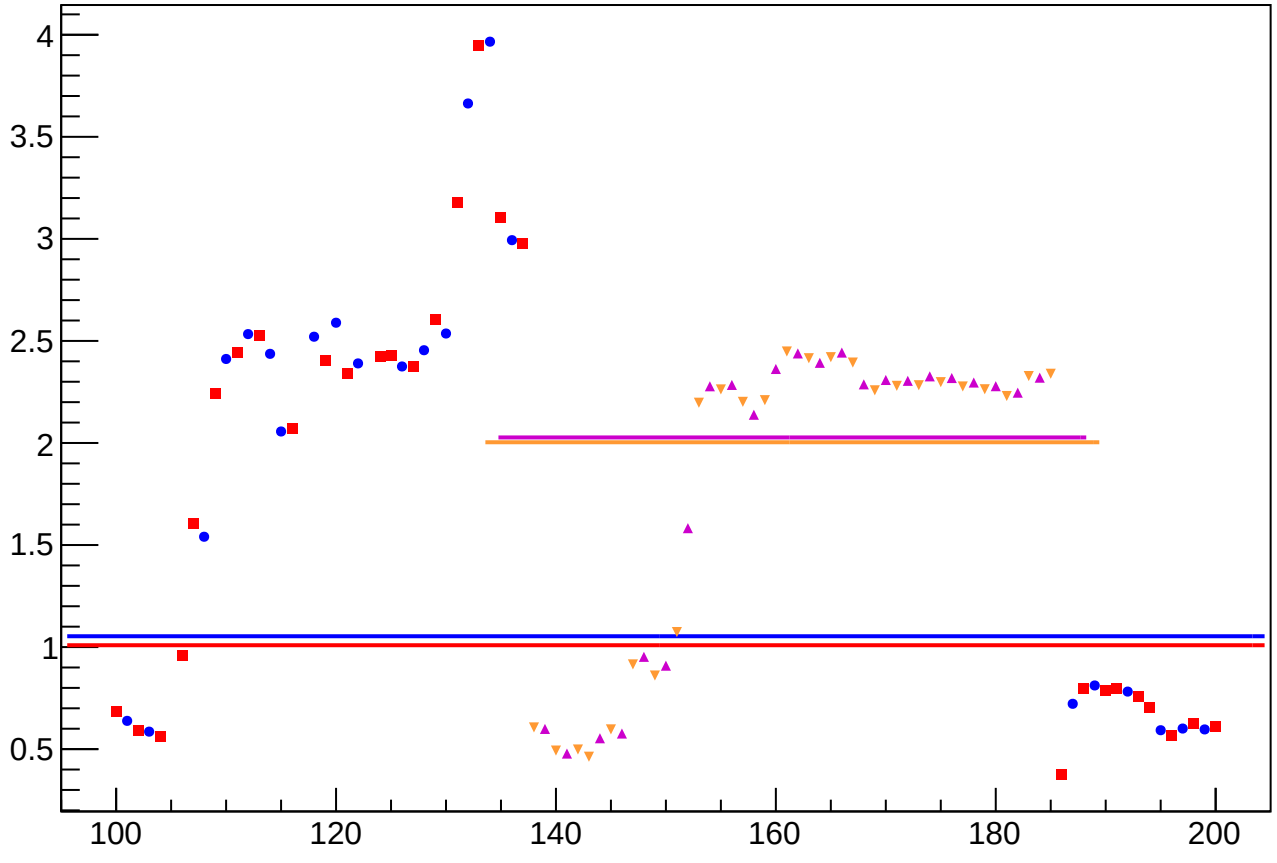
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5579943.5/46

All: 0.005+/-0.000 χ^2/NDF: 11944647.6/97

- sign 0.005+/-0.000 χ^2/NDF: 6285049.8/50

yield_bpm0l05Y_mean vs Slug



Right In: 1.053+/-0.000 χ^2/NDF: 217141453336.8/21

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.009+/-0.000 χ^2/NDF: 252927847479.7/27

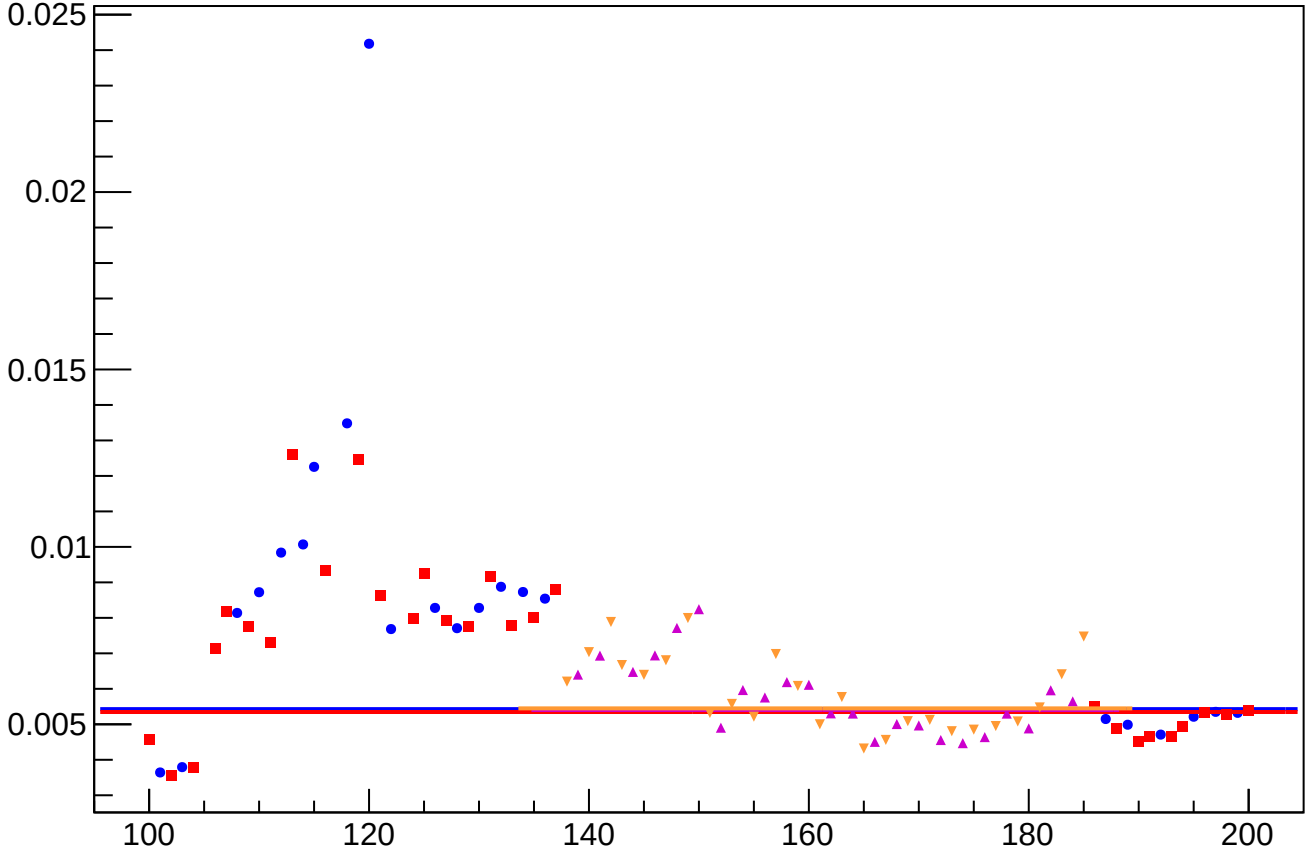
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.662+/-0.000 χ^2/NDF: 615070976308.9/46

All: 1.626+/-0.000 χ^2/NDF: 1300498578603.

- sign 1.591+/-0.000 χ^2/NDF: 683165420779.0/50

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2306926.5/21

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124521.2/27

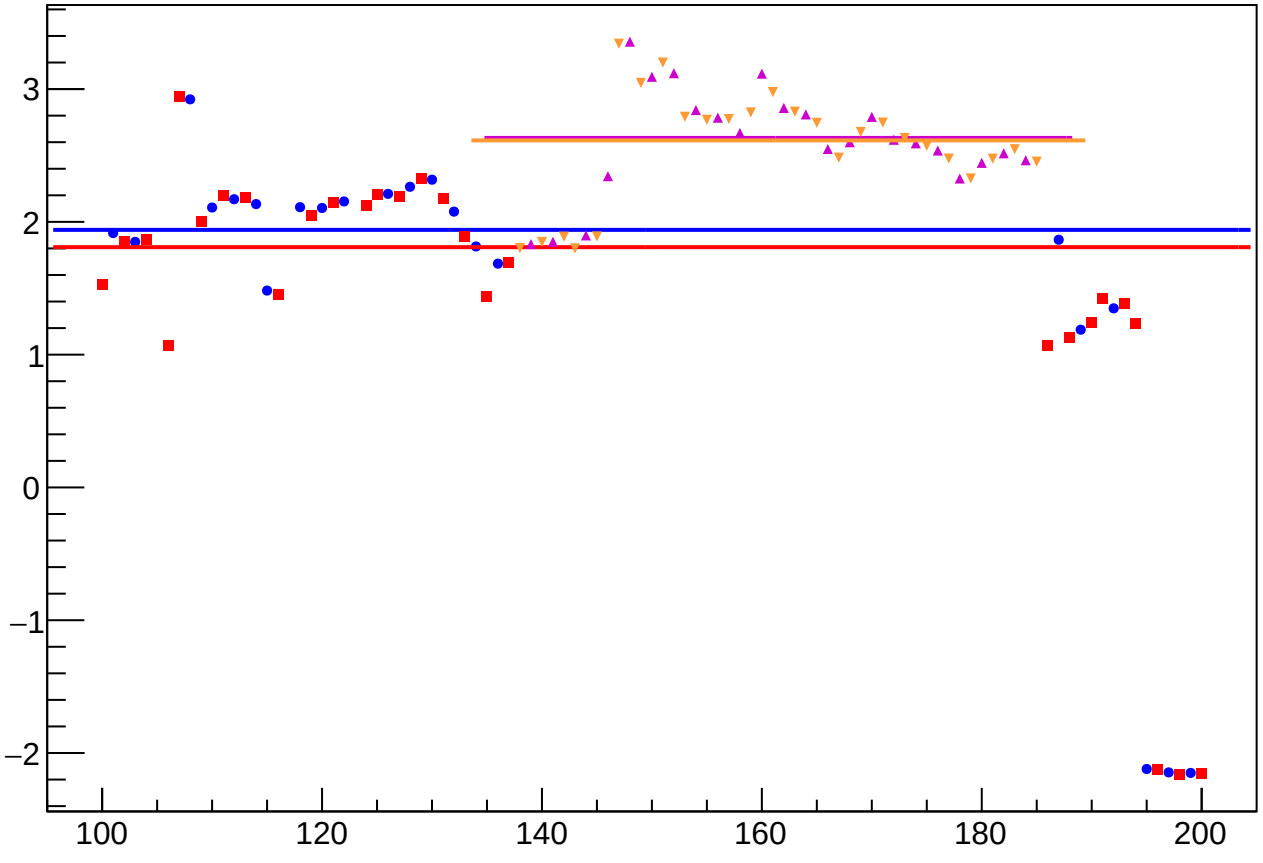
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078519.2/46

All: 0.005+/-0.000 χ^2/NDF: 6023085.1/97

- sign 0.005+/-0.000 χ^2/NDF: 2941196.2/50

yield_bpm0l06X_mean vs Slug



Right In: 1.940+/-0.000 χ^2/NDF: 80284271713.3/21

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.809+/-0.000 χ^2/NDF: 88906818288.3/27

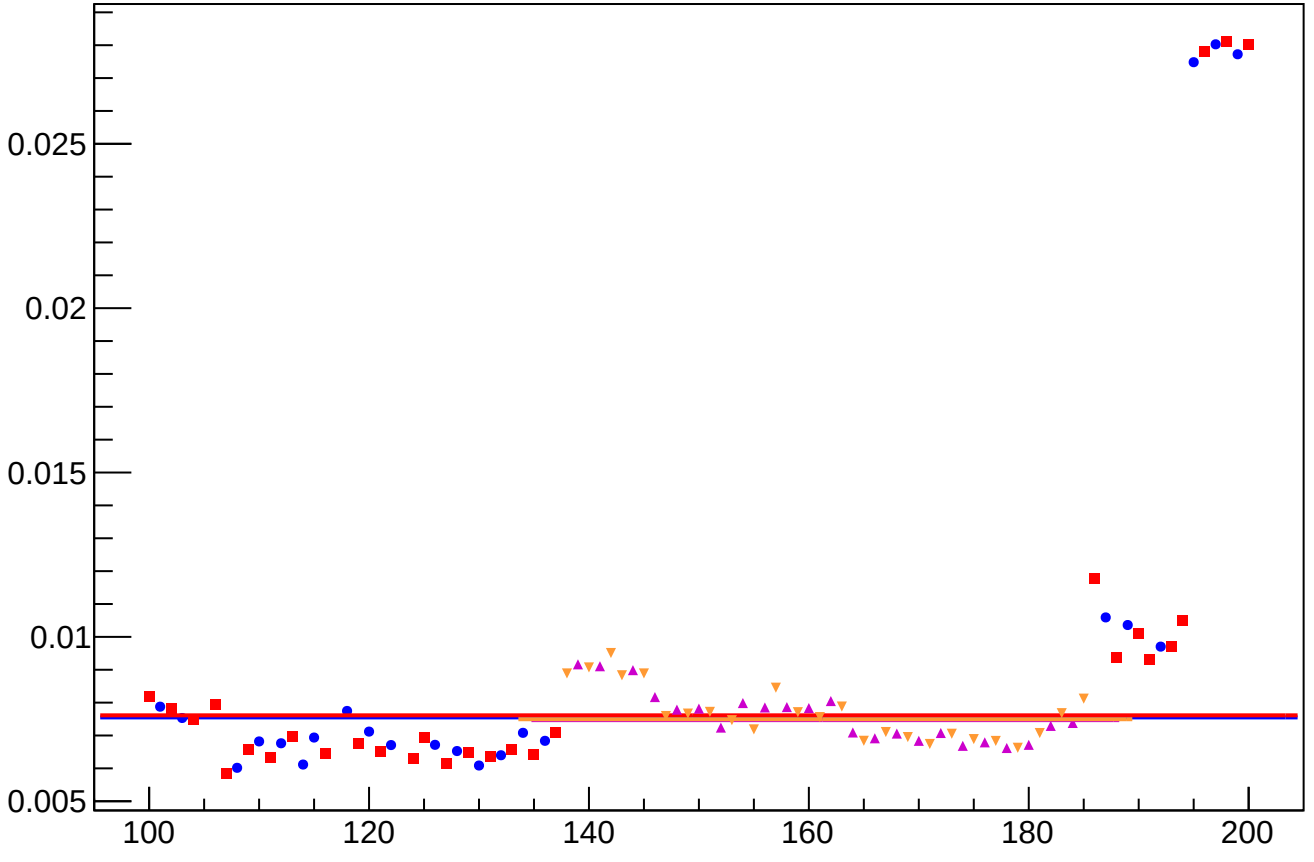
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.384+/-0.000 χ^2/NDF: 176601190506.2/46

All: 2.348+/-0.000 χ^2/NDF: 389025981516.5

- sign 2.312+/-0.000 χ^2/NDF: 211136666301.3/50

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3205857.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3461343.3/27

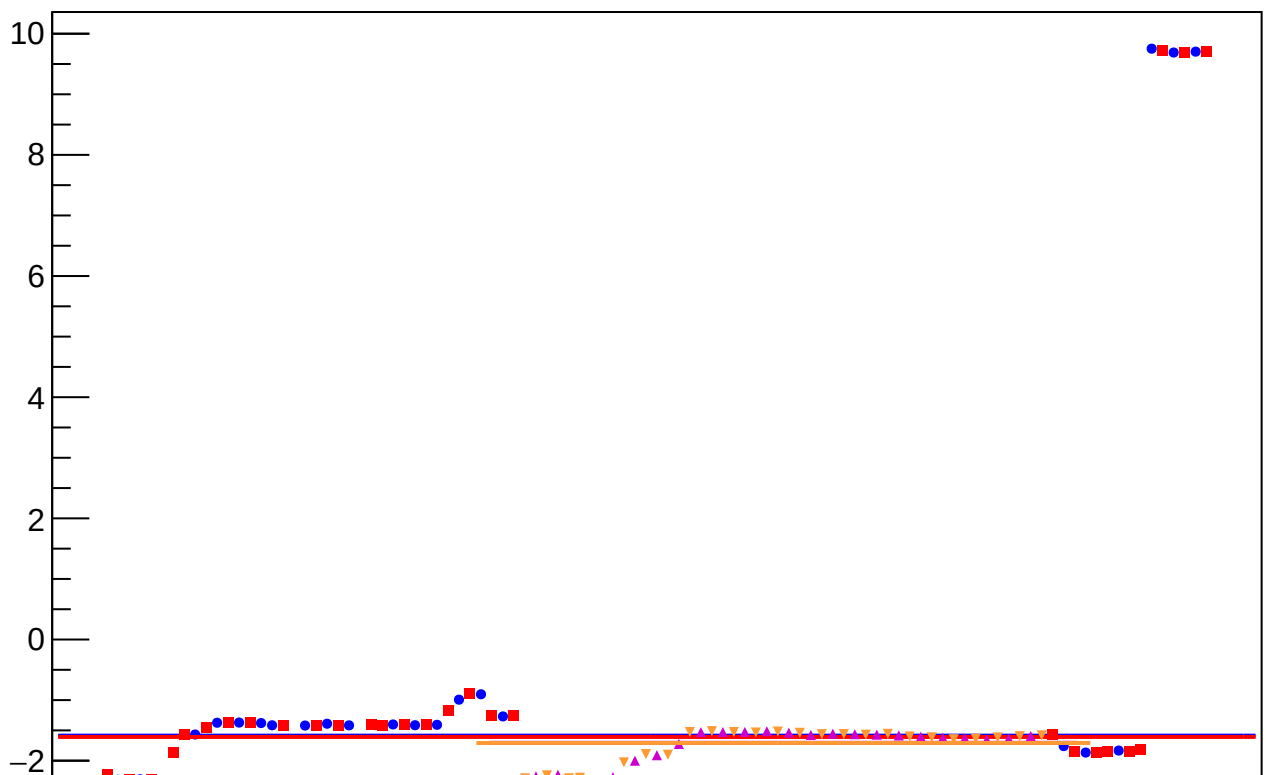
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 3539203.6/46

All: 0.008+/-0.000 χ^2/NDF: 7327660.7/97

- sign 0.008+/-0.000 χ^2/NDF: 3788401.9/50

yield_bpm0l06Y_mean vs Slug



Right In: -1.587+/-0.000 χ^2/NDF: 275092807116.8/21

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.608+/-0.000 χ^2/NDF: 281039948285.3/27

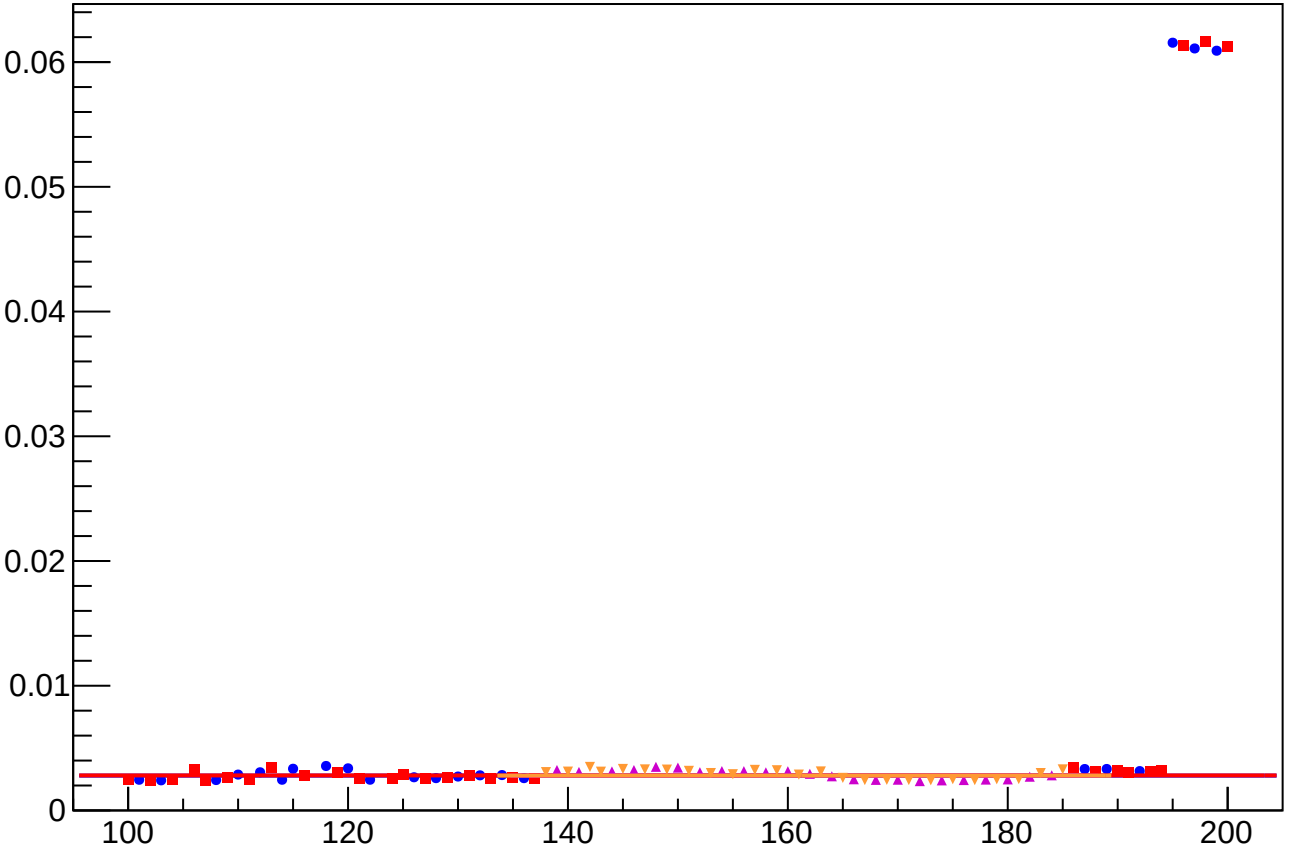
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.669+/-0.000 χ^2/NDF: 437717027880.6/46

All: -1.669+/-0.000 χ^2/NDF: 863145702894.5

- sign -1.669+/-0.000 χ^2/NDF: 425428618653.4/50

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4995981.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

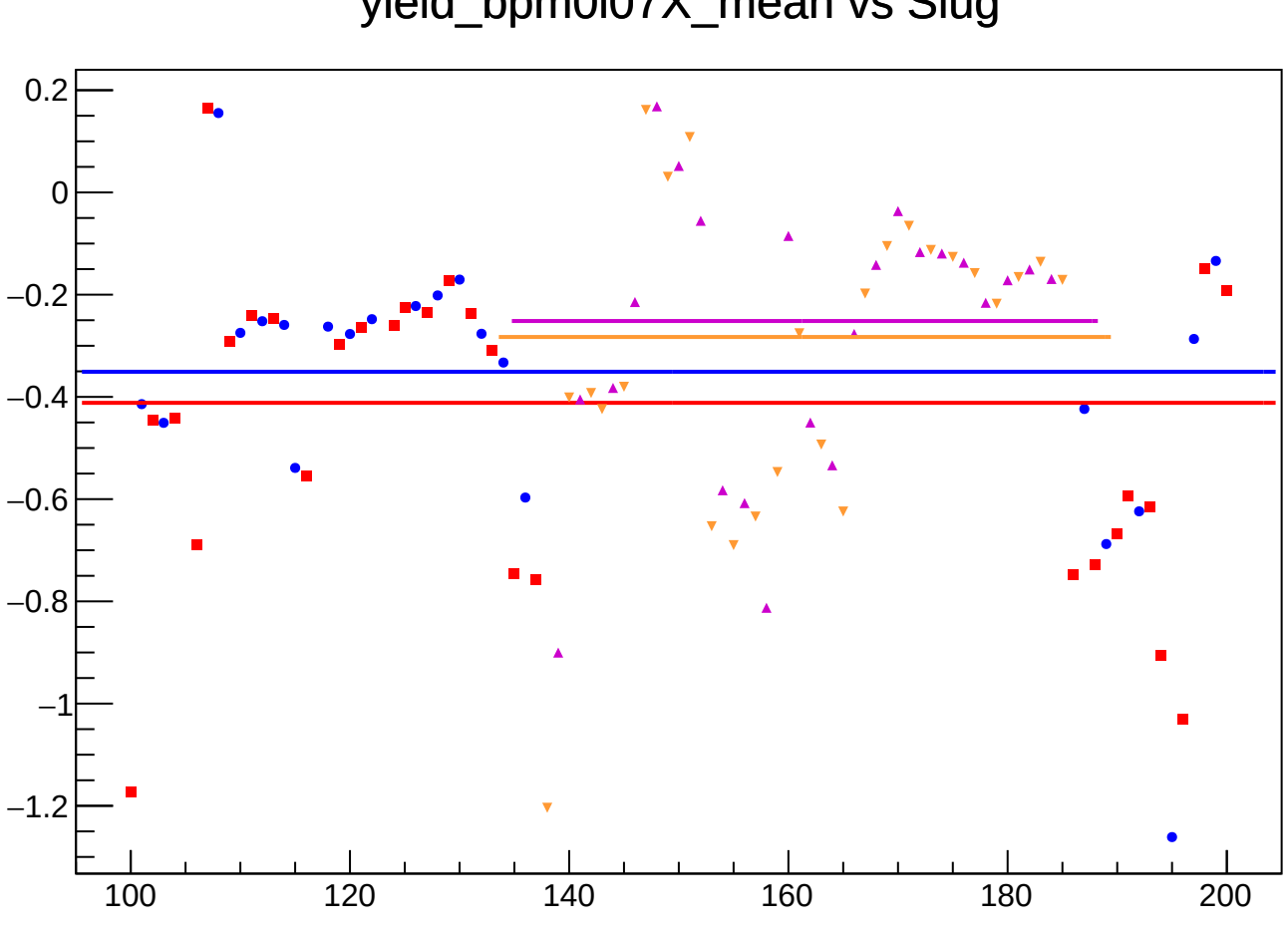
Right Out: 0.003+/-0.000 χ^2/NDF: 4901107.6/27

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 5543752.5/46

All: 0.003+/-0.000 χ^2/NDF: 11003005.7/97

- sign 0.003+/-0.000 χ^2/NDF: 5459238.8/50



Right In: -0.351+/-0.000 χ^2/NDF: 4766699859.5/21

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.412+/-0.000 χ^2/NDF: 5697937745.8/27

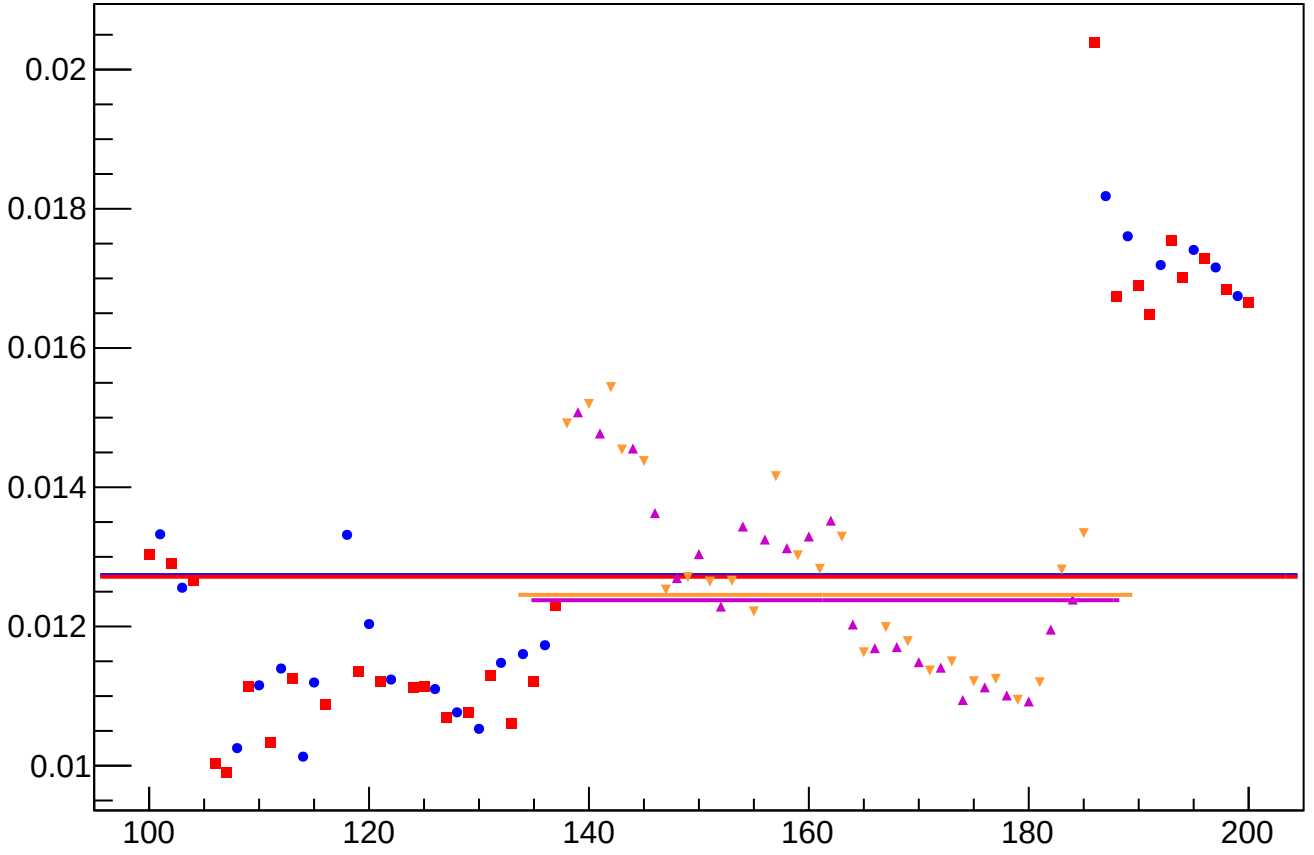
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.307+/-0.000 χ^2/NDF: 14306308133.7/46

All: -0.313+/-0.000 χ^2/NDF: 2837369553O.0/

- sign -0.318+/-0.000 χ^2/NDF: 14057664362.4/50

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 812737.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1180796.4/27

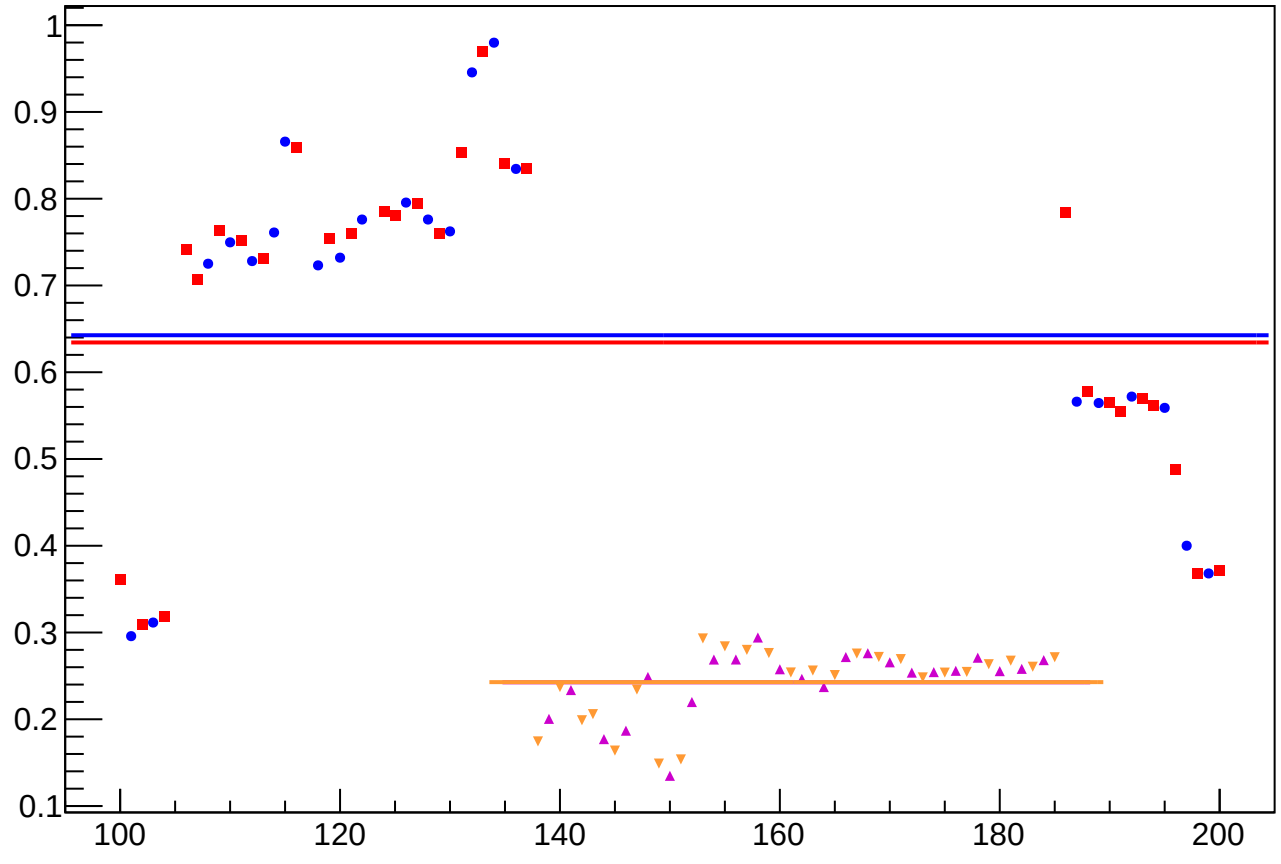
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1160980.3/46

All: 0.013+/-0.000 χ^2/NDF: 2679594.6/97

- sign 0.013+/-0.000 χ^2/NDF: 1518314.5/50

yield_bpm0l07Y_mean vs Slug



Right In: 0.643+/-0.000 χ^2/NDF: 68969369191.3/21

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.634+/-0.000 χ^2/NDF: 69421162433.4/27

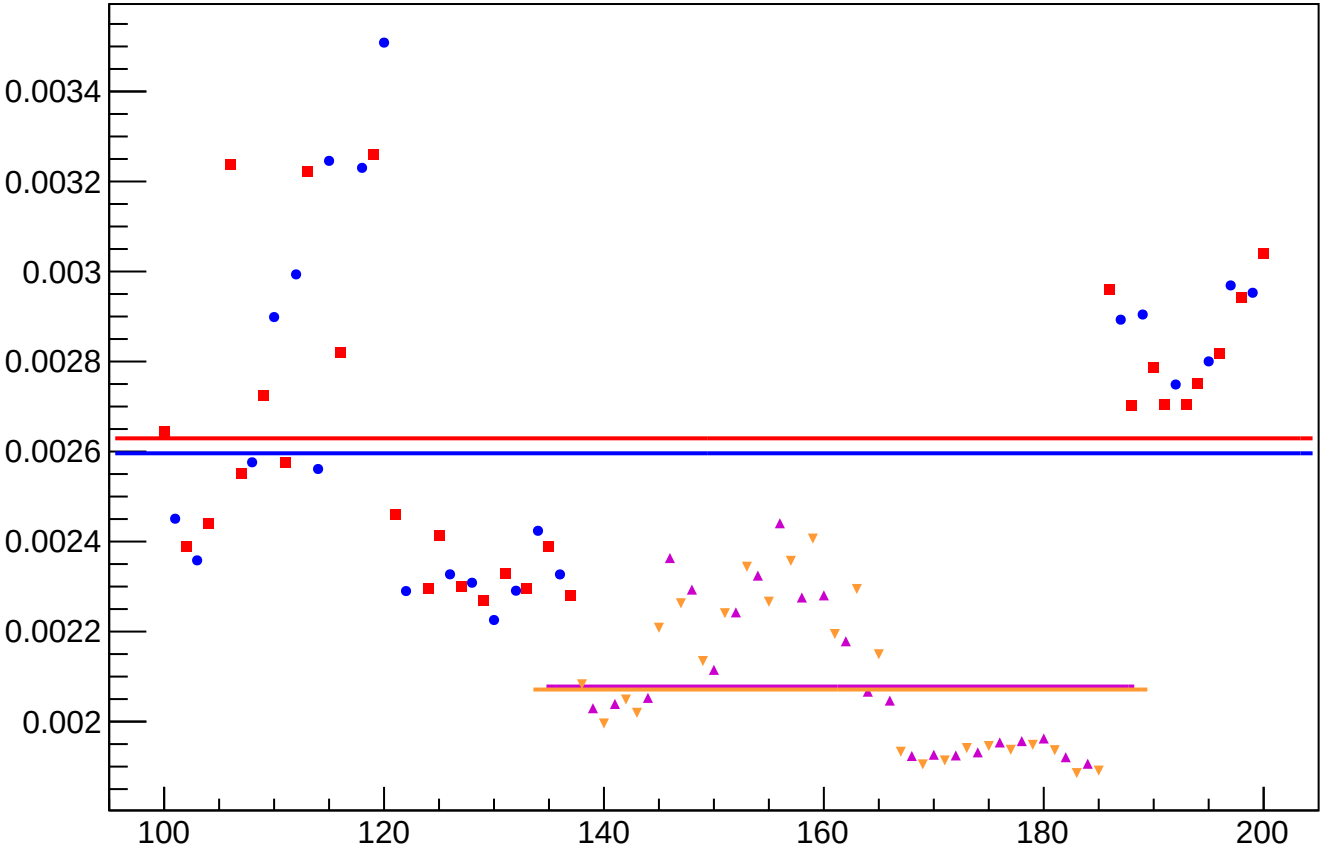
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266515059878.7/46

All: 0.357+/-0.000 χ^2/NDF: 542091424766.7

- sign 0.364+/-0.000 χ^2/NDF: 274934170671.1/50

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 323534.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 290649.2/27

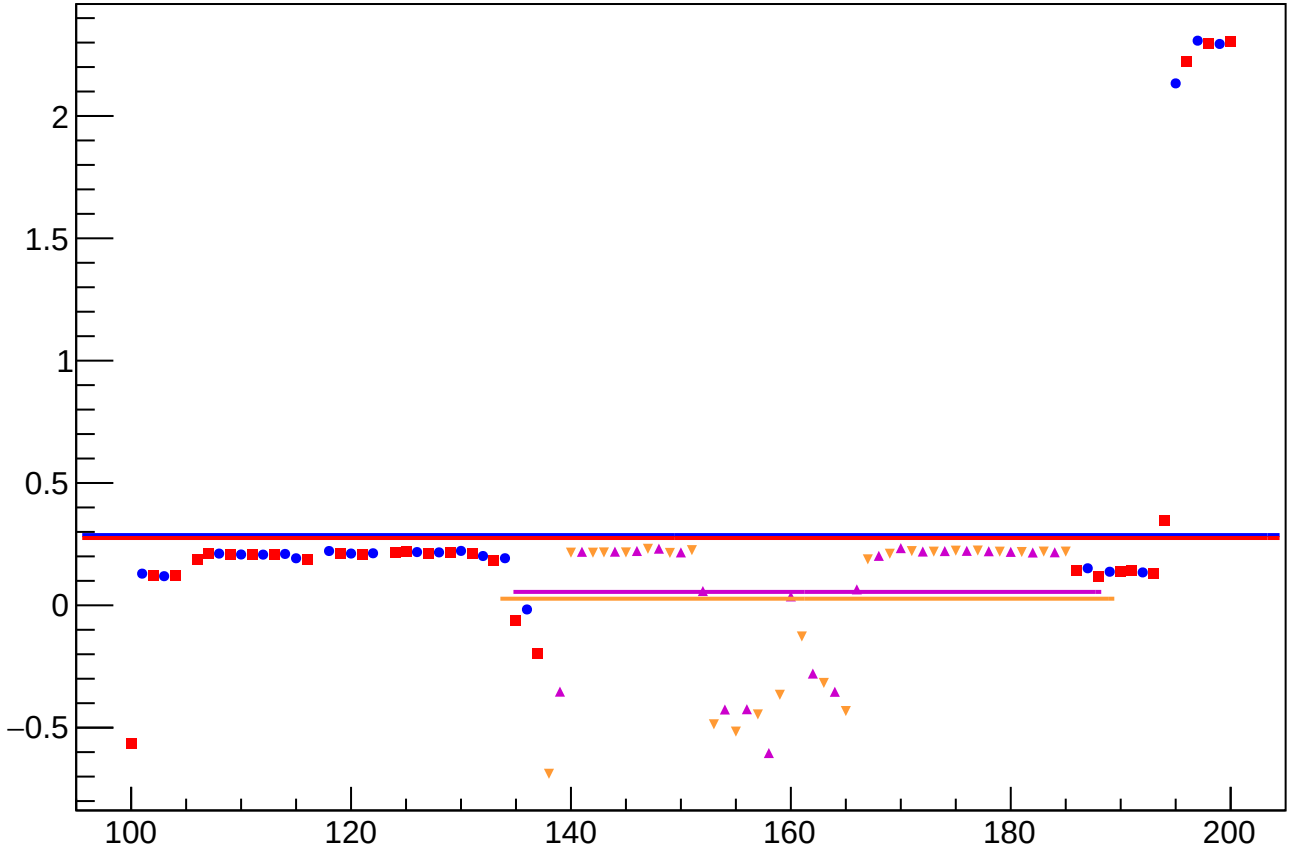
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1213061.2/46

All: 0.002+/-0.000 χ^2/NDF: 2515544.1/97

- sign 0.002+/-0.000 χ^2/NDF: 1293891.8/50

yield_bpm0l08X_mean vs Slug



Right In: 0.287+/-0.000 χ^2/NDF: 19148356645.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.275+/-0.000 χ^2/NDF: 21920778348.4/27

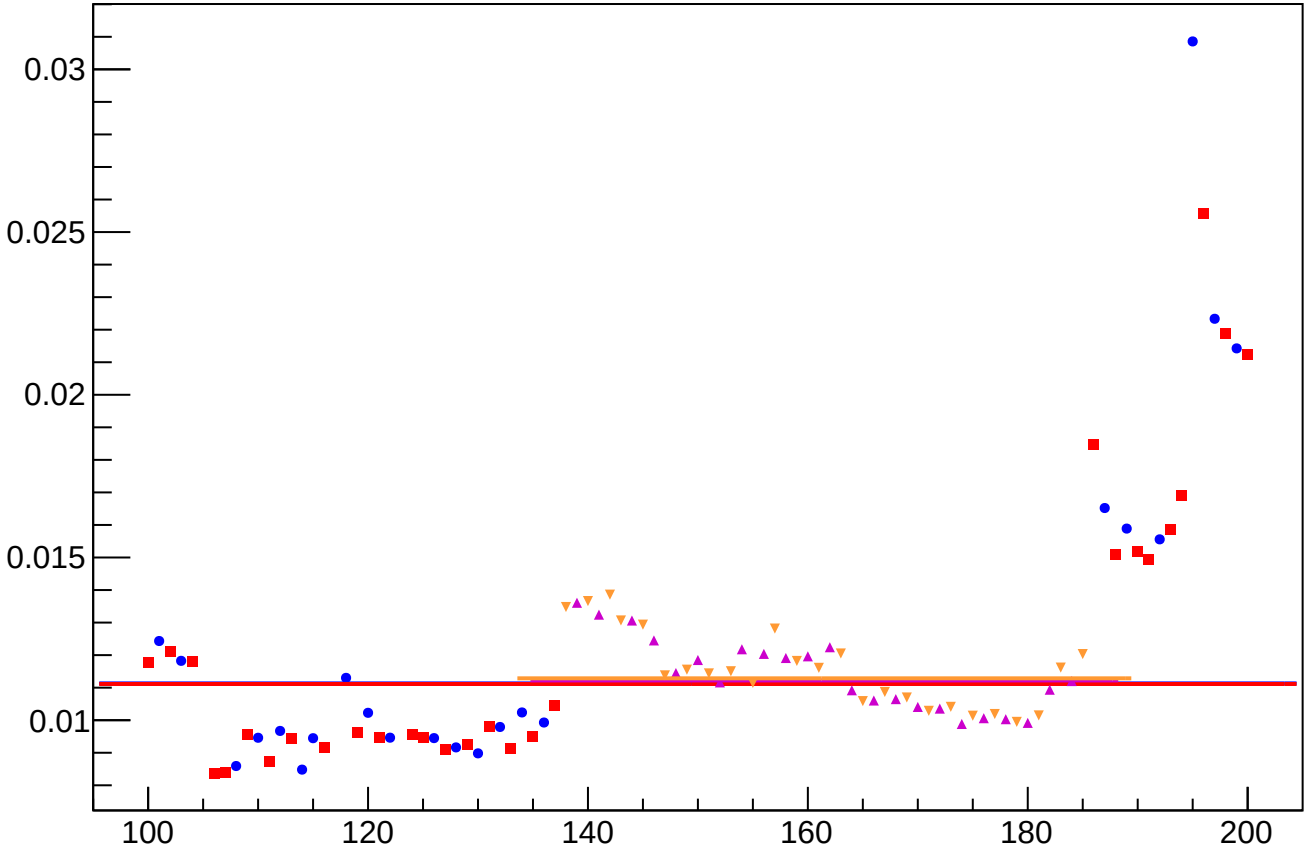
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.121+/-0.000 χ^2/NDF: 35635338691.0/46

All: 0.134+/-0.000 χ^2/NDF: 70100719962.9/9

- sign 0.146+/-0.000 χ^2/NDF: 34392966005.1/50

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2193189.3/21

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

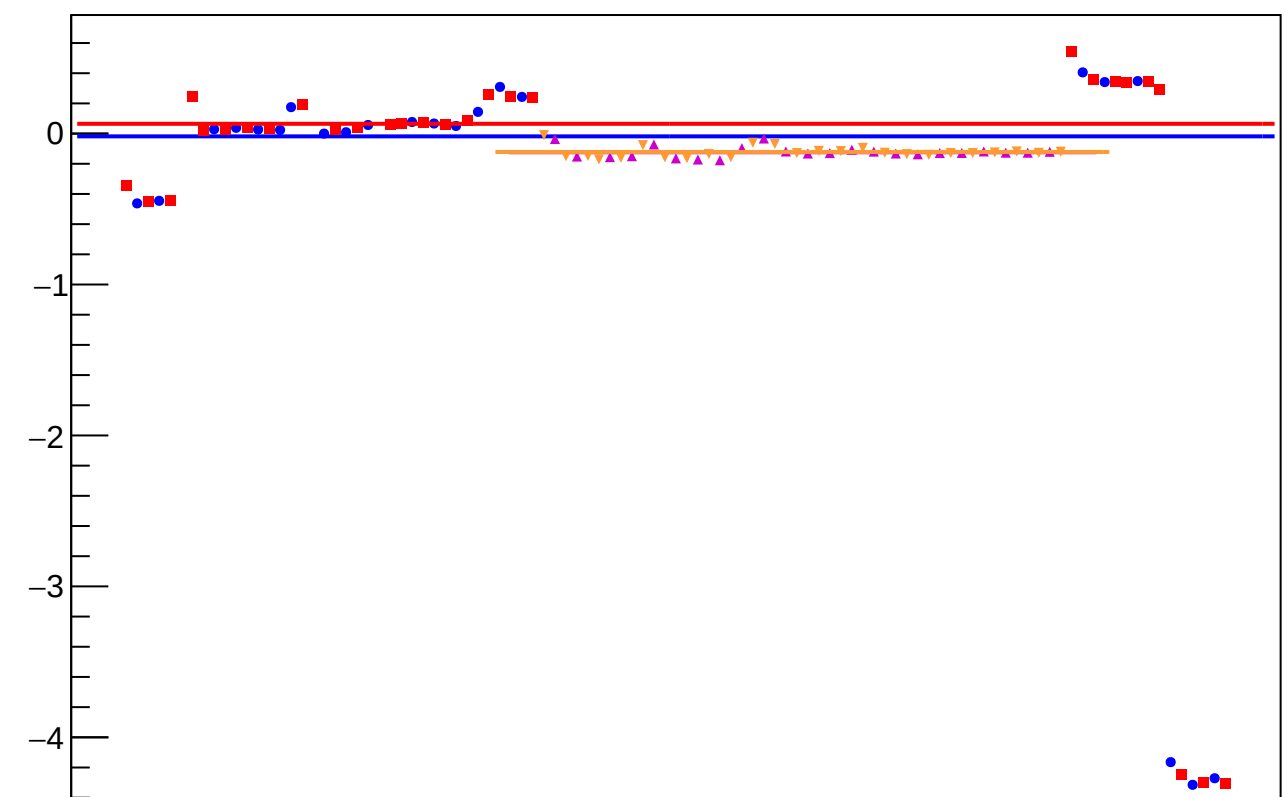
Right Out: 0.011+/-0.000 χ^2/NDF: 2497329.4/27

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 2523991.6/46

All: 0.011+/-0.000 χ^2/NDF: 5338578.4/97

- sign 0.011+/-0.000 χ^2/NDF: 2813947.6/50



Right In: -0.018+/-0.000 χ^2/NDF: 157515875138.7/21

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.065+/-0.000 χ^2/NDF: 183392329324.4/27

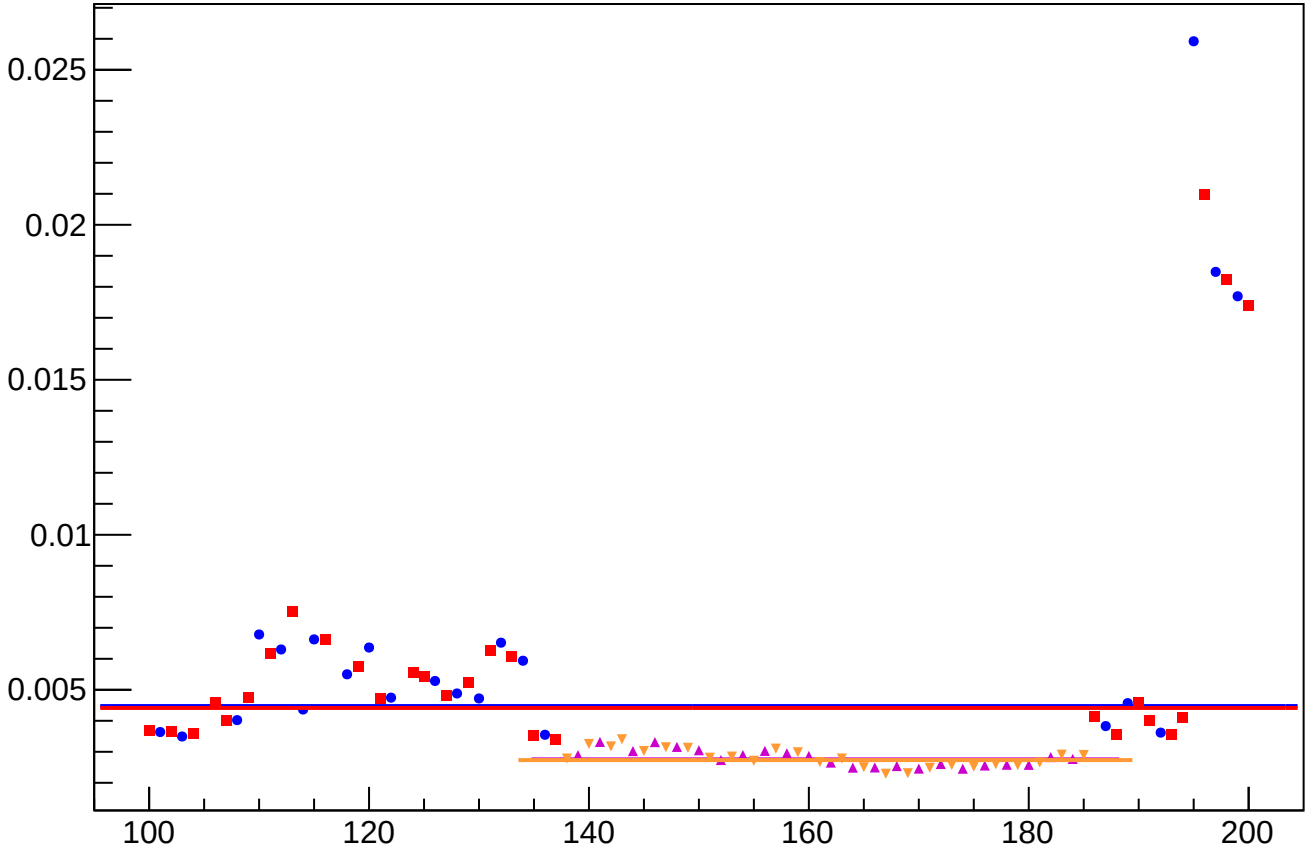
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.106+/-0.000 χ^2/NDF: 164368574952.1/46

All: -0.097+/-0.000 χ^2/NDF: 366728061152.5

- sign -0.087+/-0.000 χ^2/NDF: 201846965031.7/50

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3920369.6/21

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3842362.1/27

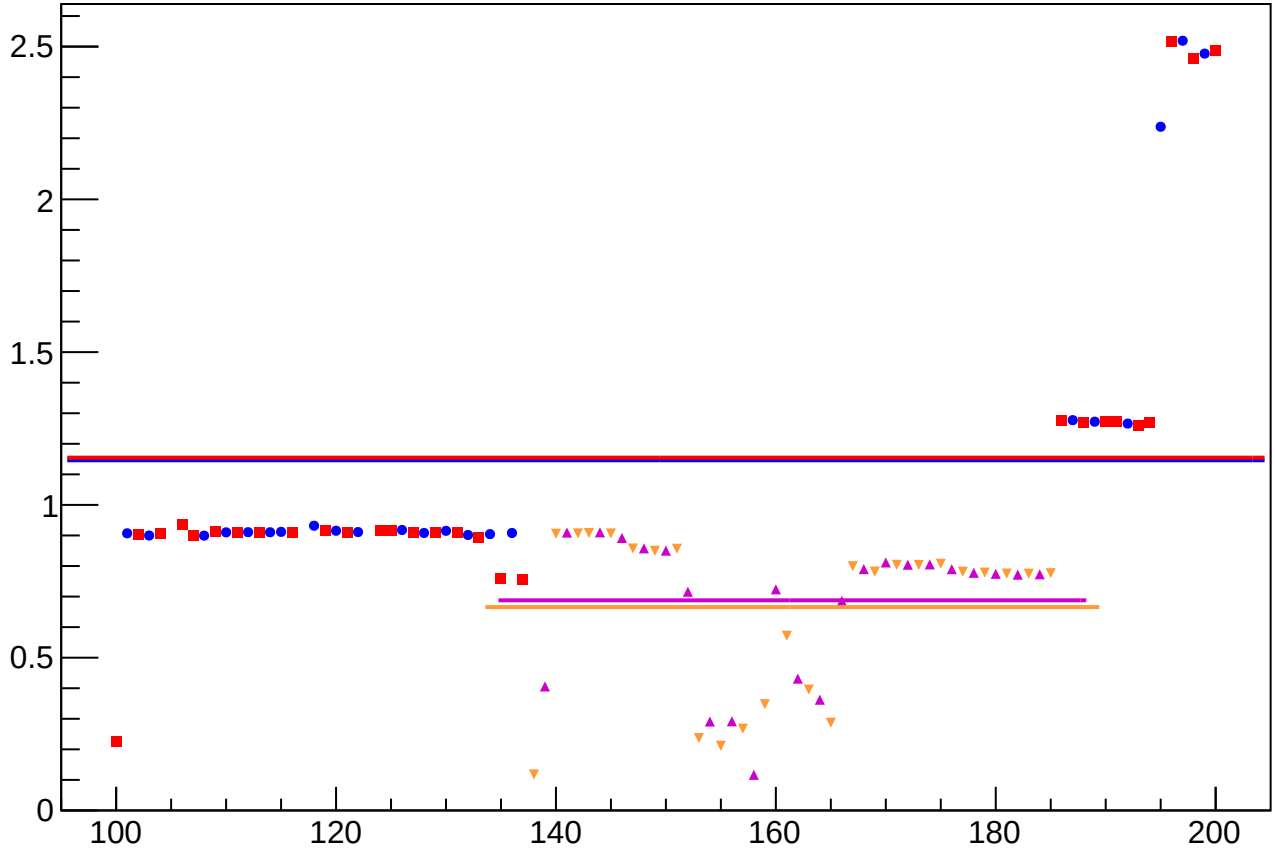
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 6546908.3/46

All: 0.003+/-0.000 χ^2/NDF: 13124682.5/97

- sign 0.003+/-0.000 χ^2/NDF: 6558588.5/50

yield_bpm0l09X_mean vs Slug



Right In: 1.146+/-0.000 χ^2/NDF: 20043416117.8/21

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.155+/-0.000 χ^2/NDF: 24854958785.1/27

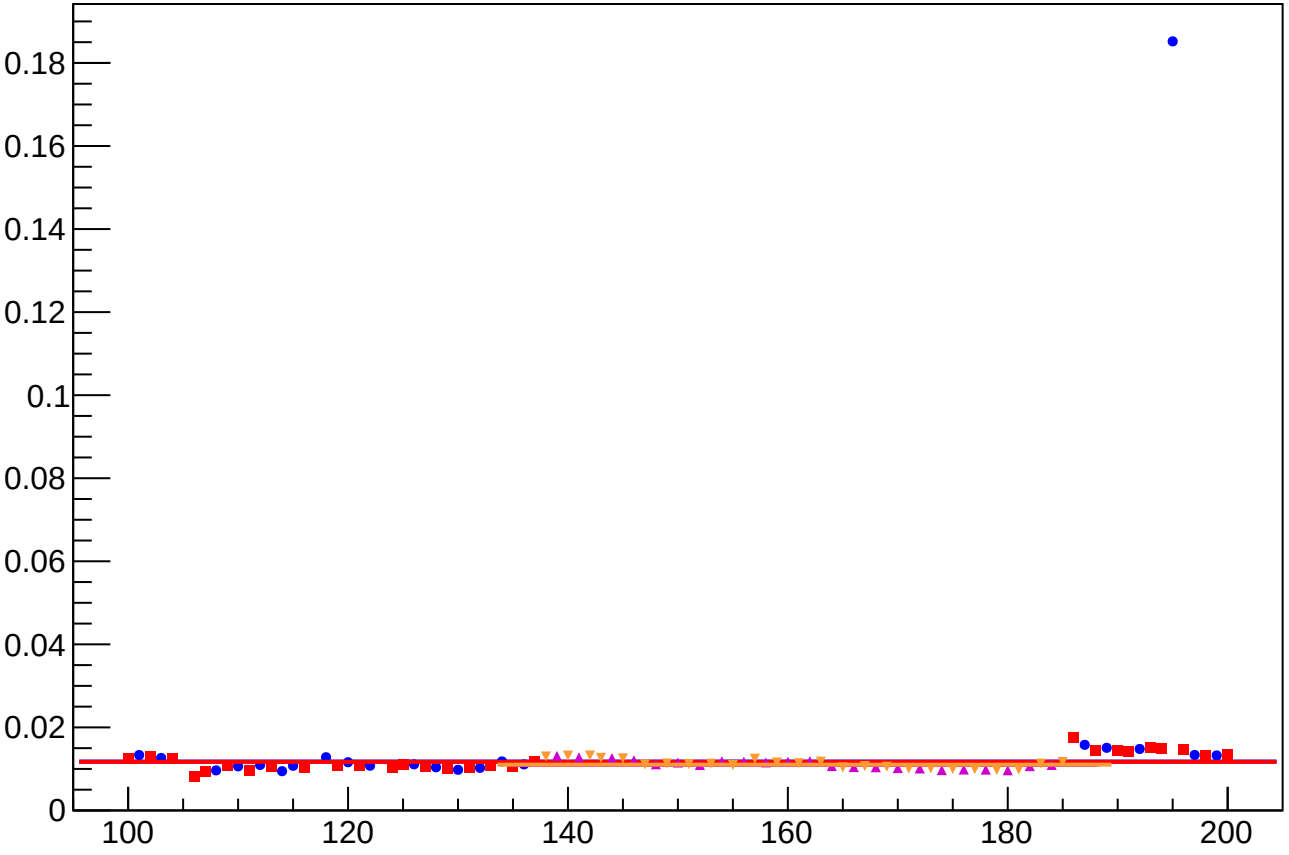
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.822+/-0.000 χ^2/NDF: 40623556441.8/46

All: 0.845+/-0.000 χ^2/NDF: 84845304509.3/9

- sign 0.867+/-0.000 χ^2/NDF: 43988781082.0/50

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1925957.1/21

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 713275.3/27

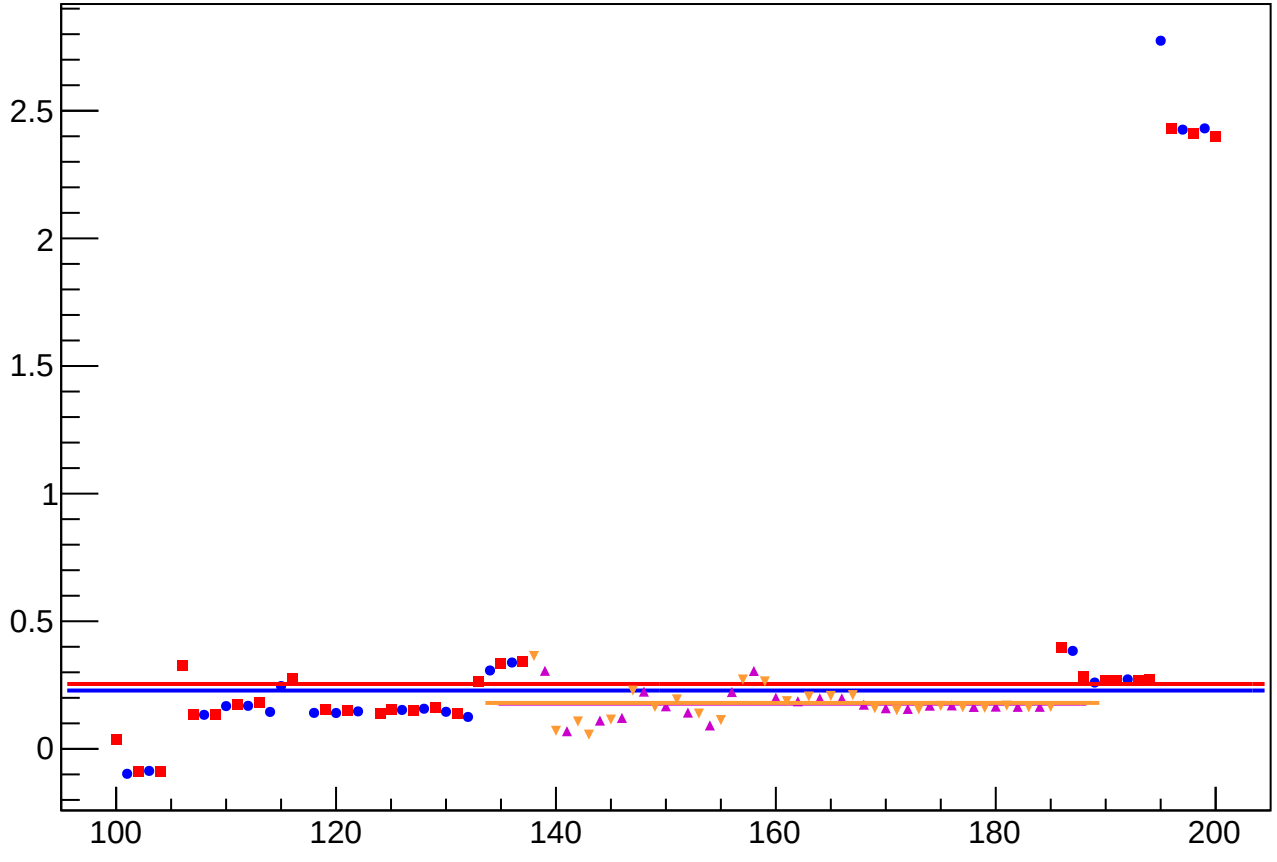
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2280649.7/46

All: 0.011+/-0.000 χ^2/NDF: 3341222.0/97

- sign 0.011+/-0.000 χ^2/NDF: 1060404.6/50

yield_bpm0l09Y_mean vs Slug



Right In: 0.229+/-0.000 χ^2/NDF: 58775604537.4/21

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.254+/-0.000 χ^2/NDF: 67141457019.6/27

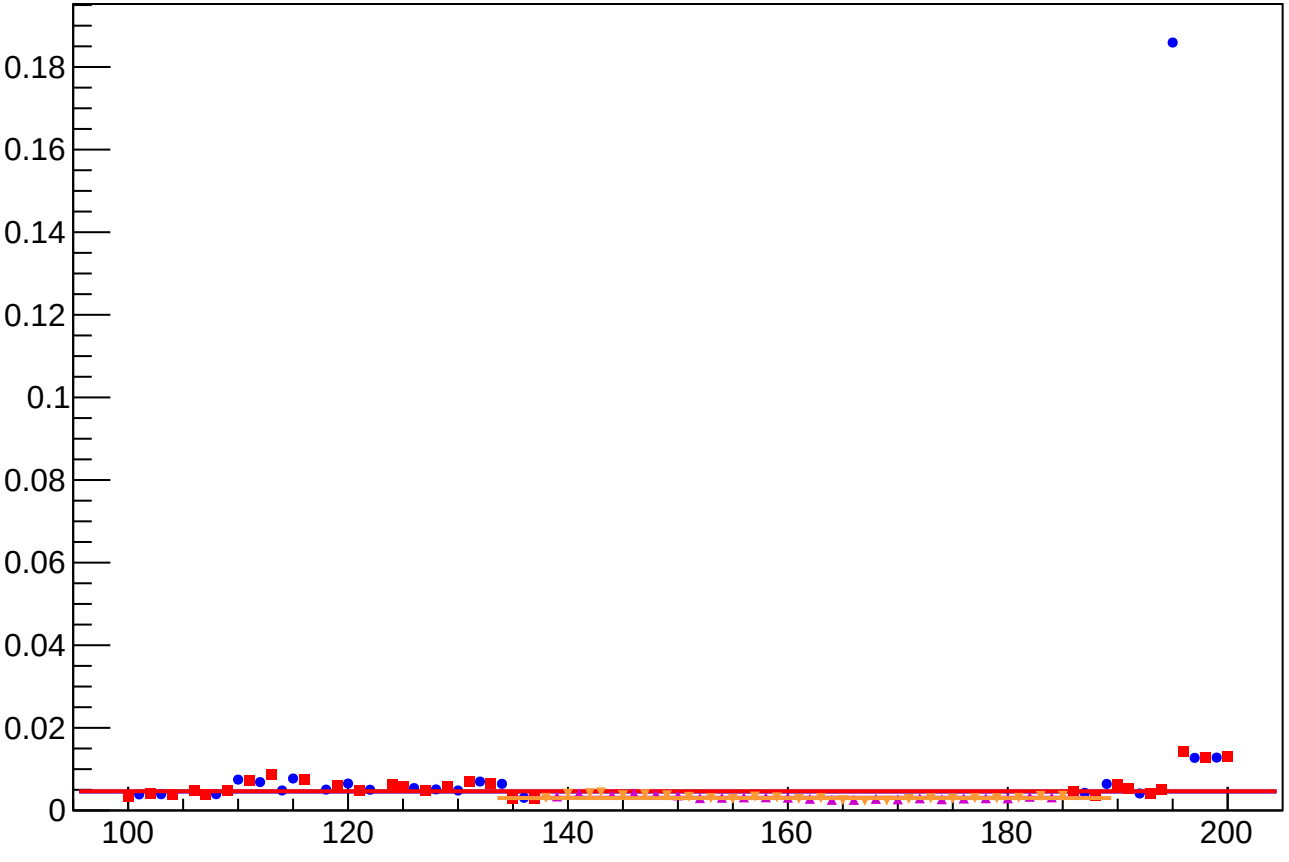
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.188+/-0.000 χ^2/NDF: 65992751664.6/46

All: 0.191+/-0.000 χ^2/NDF: 139995984549.4

- sign 0.193+/-0.000 χ^2/NDF: 73972400334.7/50

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4032963.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

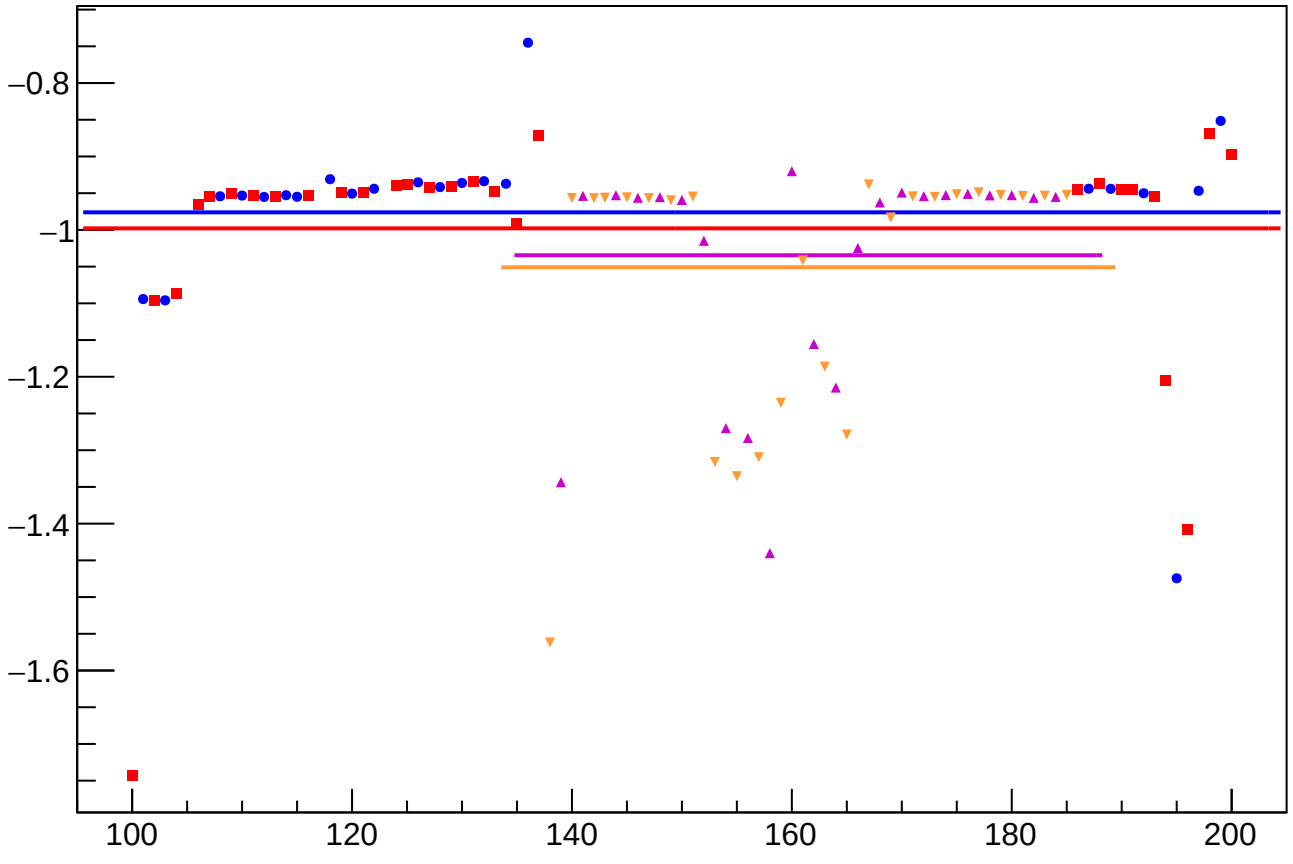
Right Out: 0.005+/-0.000 χ^2/NDF: 3069063.5/27

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 6554860.2/46

All: 0.003+/-0.000 χ^2/NDF: 12102138.4/97

- sign 0.003+/-0.000 χ^2/NDF: 5503334.6/50



Right In: -0.976+/-0.000 χ^2/NDF: 1811073929.4/21

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.998+/-0.000 χ^2/NDF: 1732450091.3/27

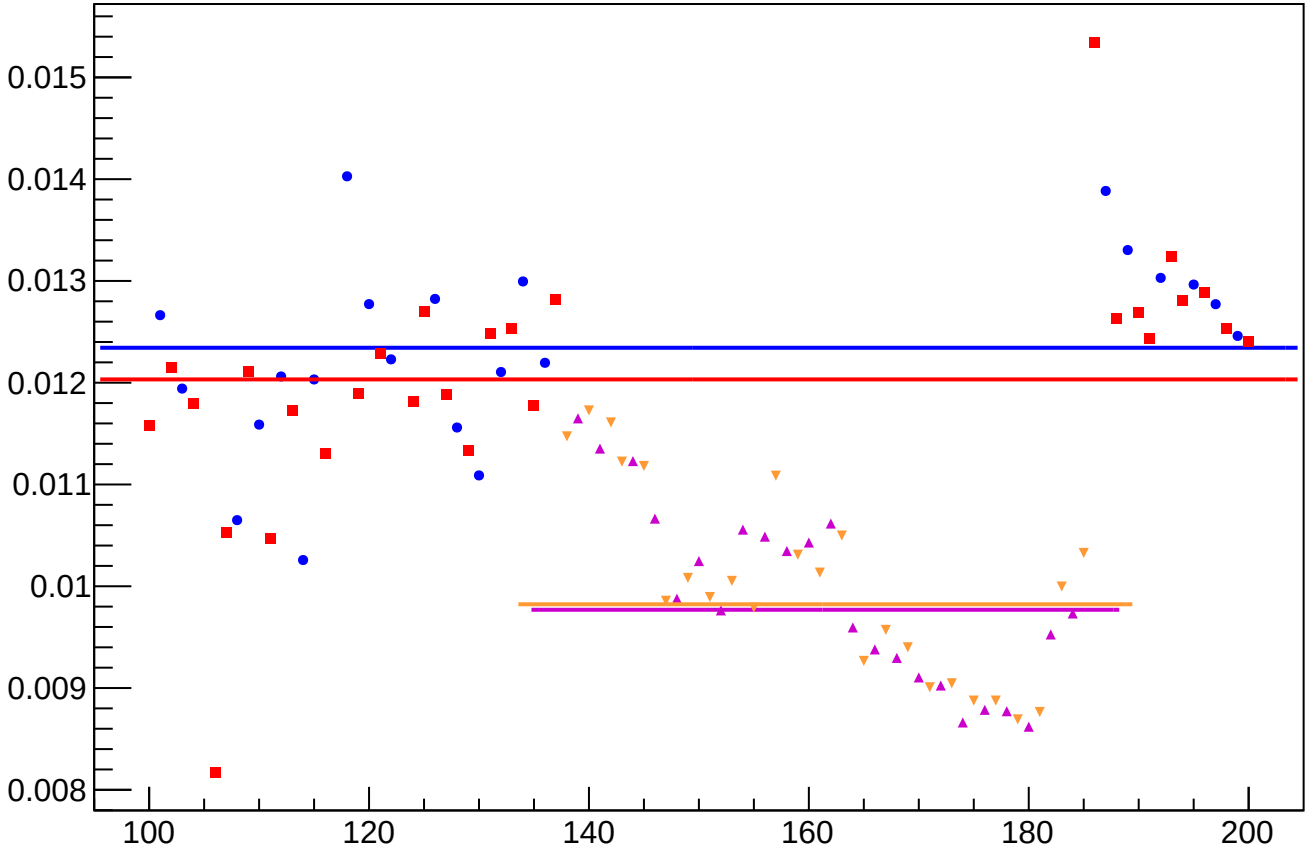
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 7187901423.5/46

All: -1.026+/-0.000 χ^2/NDF: 12936525503.4/

- sign -1.022+/-0.000 χ^2/NDF: 5740153247.1/50

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 91619.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

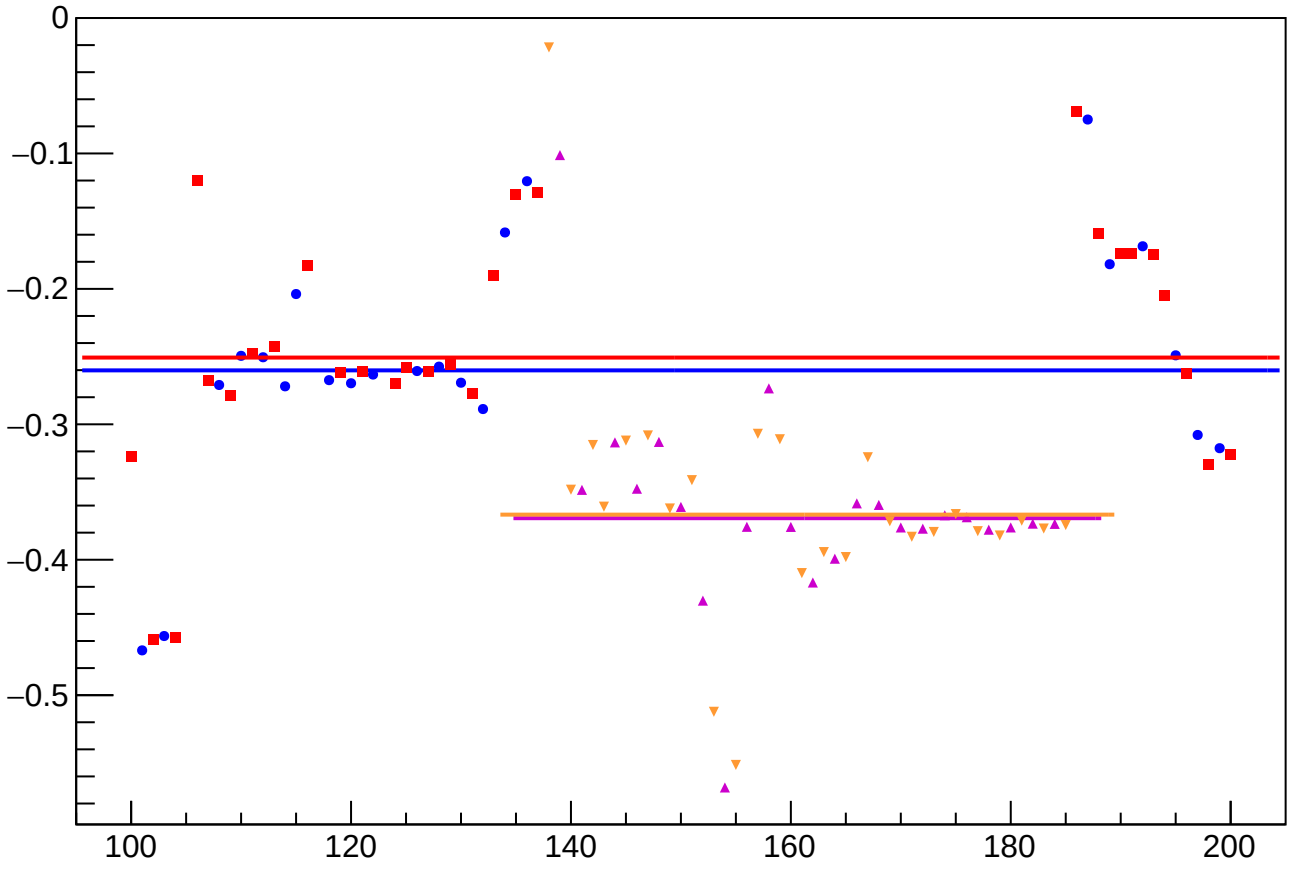
Right Out: 0.012+/-0.000 χ^2/NDF: 254635.8/27

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1054962.6/46

All: 0.011+/-0.000 χ^2/NDF: 2216178.7/97

- sign 0.011+/-0.000 χ^2/NDF: 1161211.9/50



Right In: -0.260+/-0.000 χ^2/NDF: 7360388716.5/21

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.251+/-0.000 χ^2/NDF: 7631241394.0/27

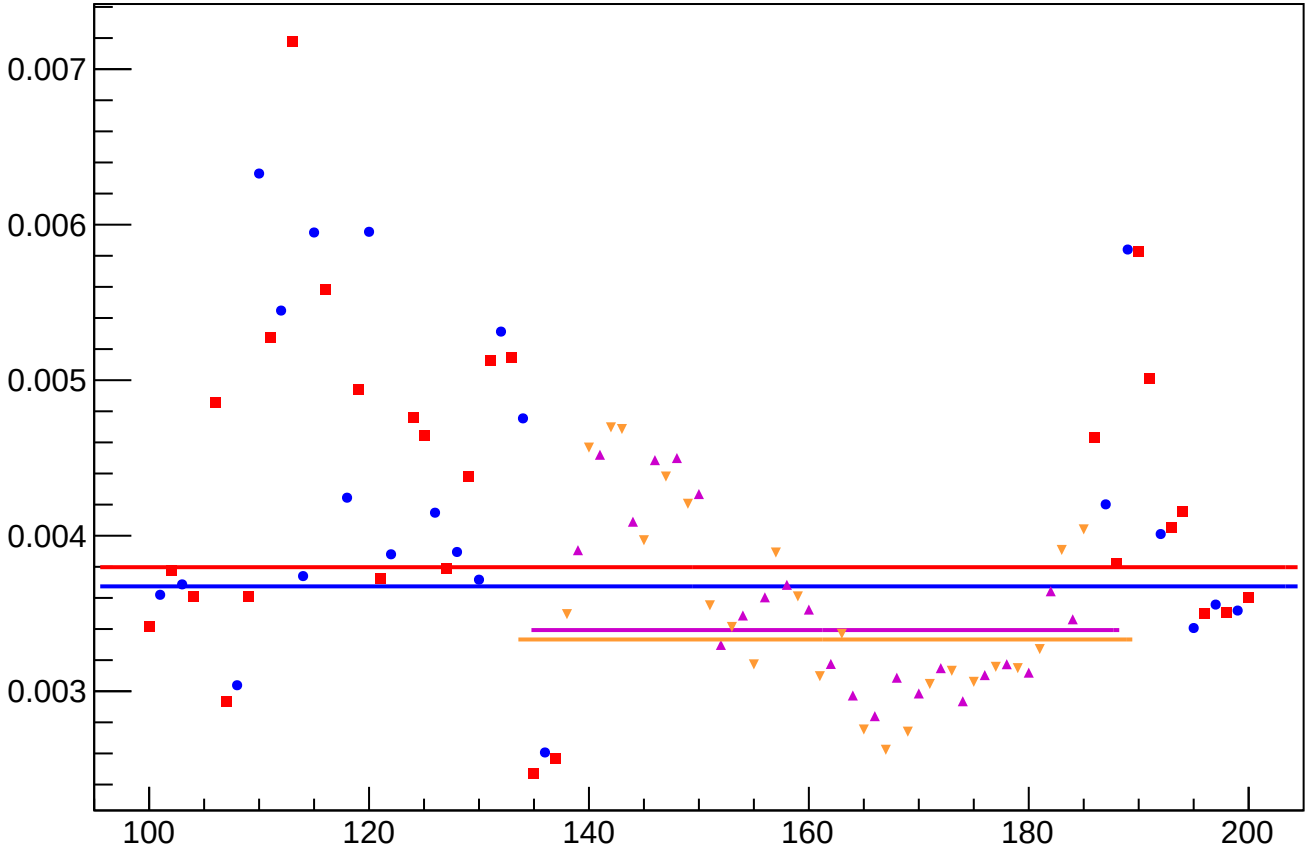
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.333+/-0.000 χ^2/NDF: 24954208491.5/46

All: -0.330+/-0.000 χ^2/NDF: 47577329843.6/

- sign -0.326+/-0.000 χ^2/NDF: 22569423360.0/50

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 901160.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1072496.3/27

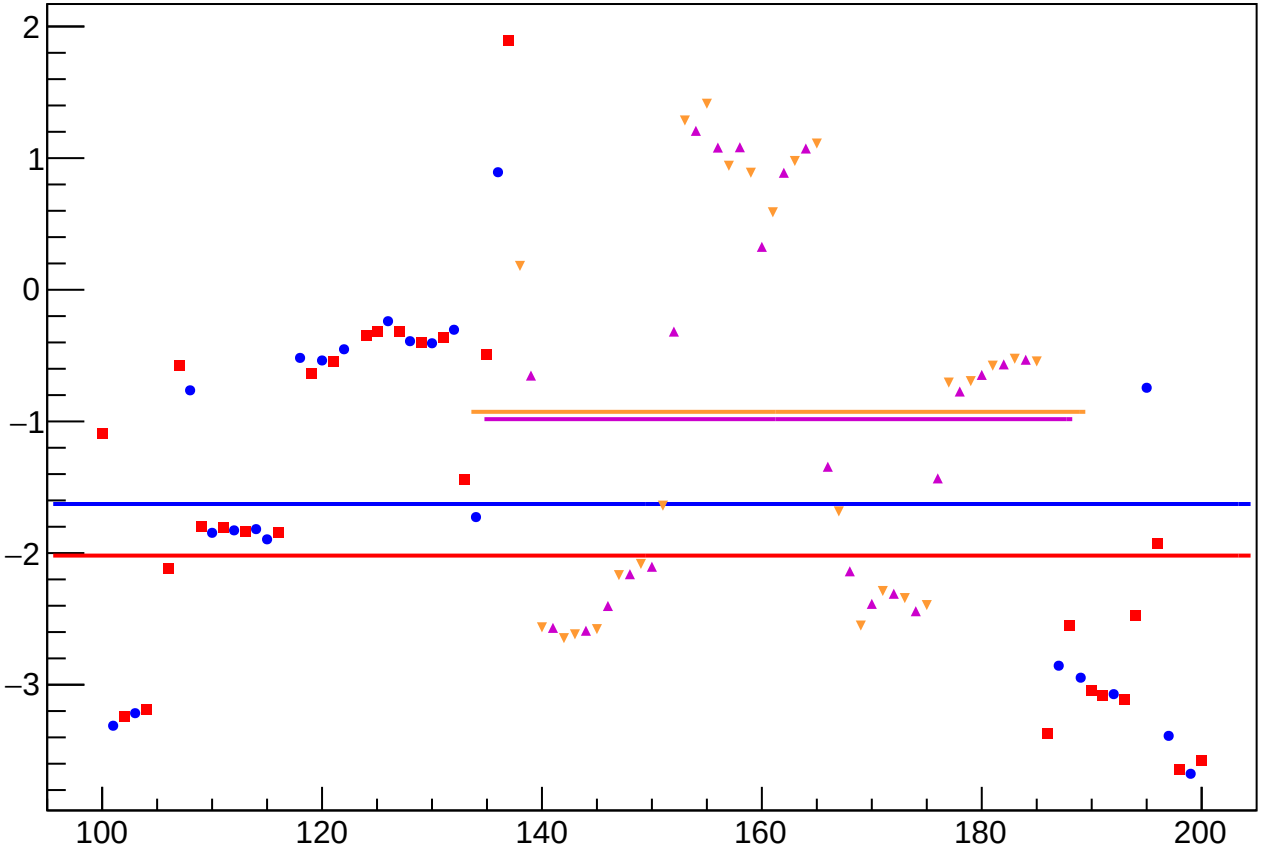
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1874965.0/46

All: 0.003+/-0.000 χ^2/NDF: 3774729.2/97

- sign 0.004+/-0.000 χ^2/NDF: 1877061.8/50

yield_bpm0r03X_mean vs Slug



Right In: -1.627+/-0.000 χ^2/NDF: 4470068353.7/21

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

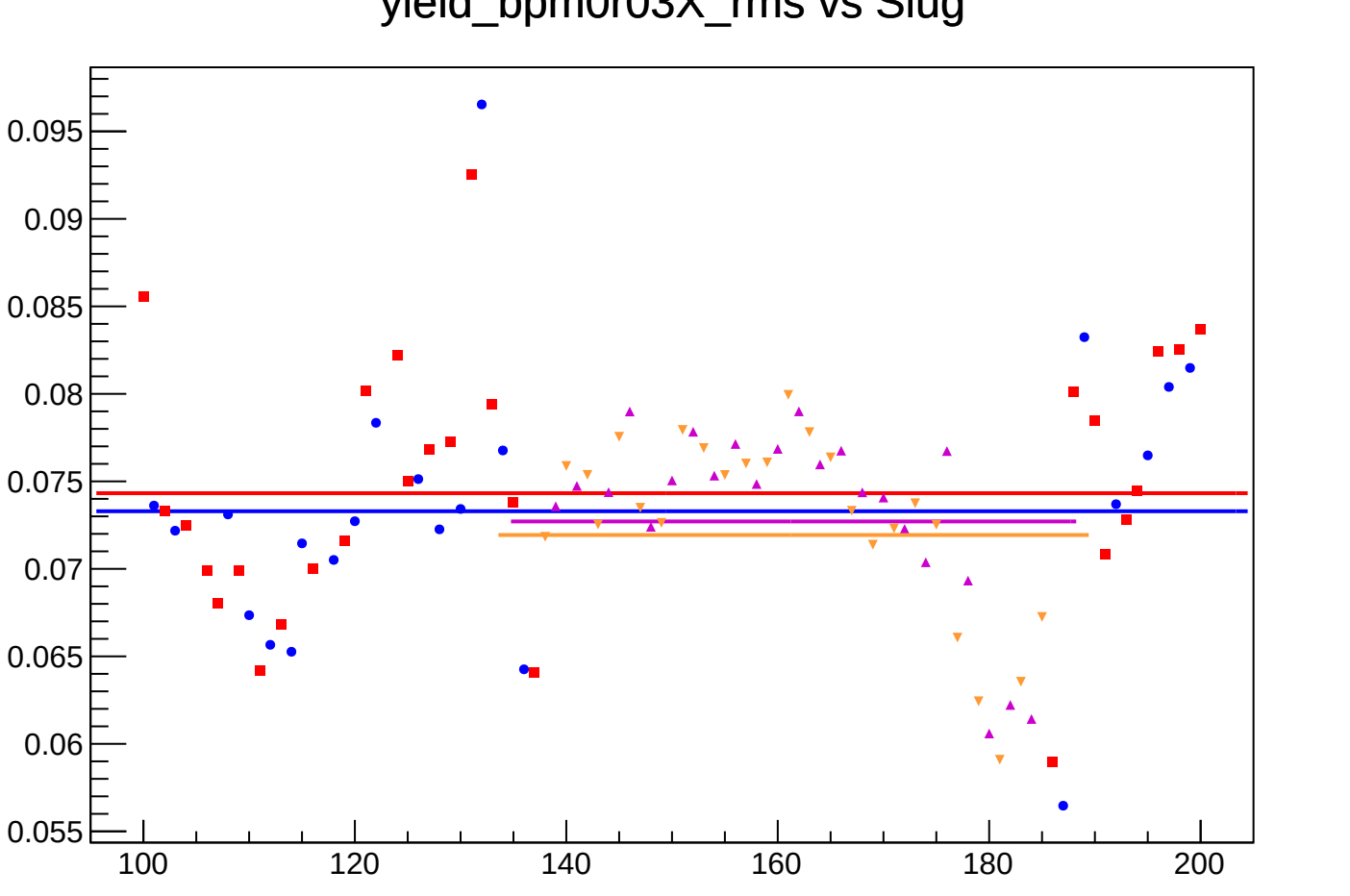
Right Out: -2.019+/-0.000 χ^2/NDF: 3727049871.8/27

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.181+/-0.000 χ^2/NDF: 12371182251.7/46

All: -1.298+/-0.000 χ^2/NDF: 23689141067.1/

- sign -1.414+/-0.000 χ^2/NDF: 11160946049.2/50



Right In: 0.073+/-0.000 χ^2/NDF: 189510.7/21

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

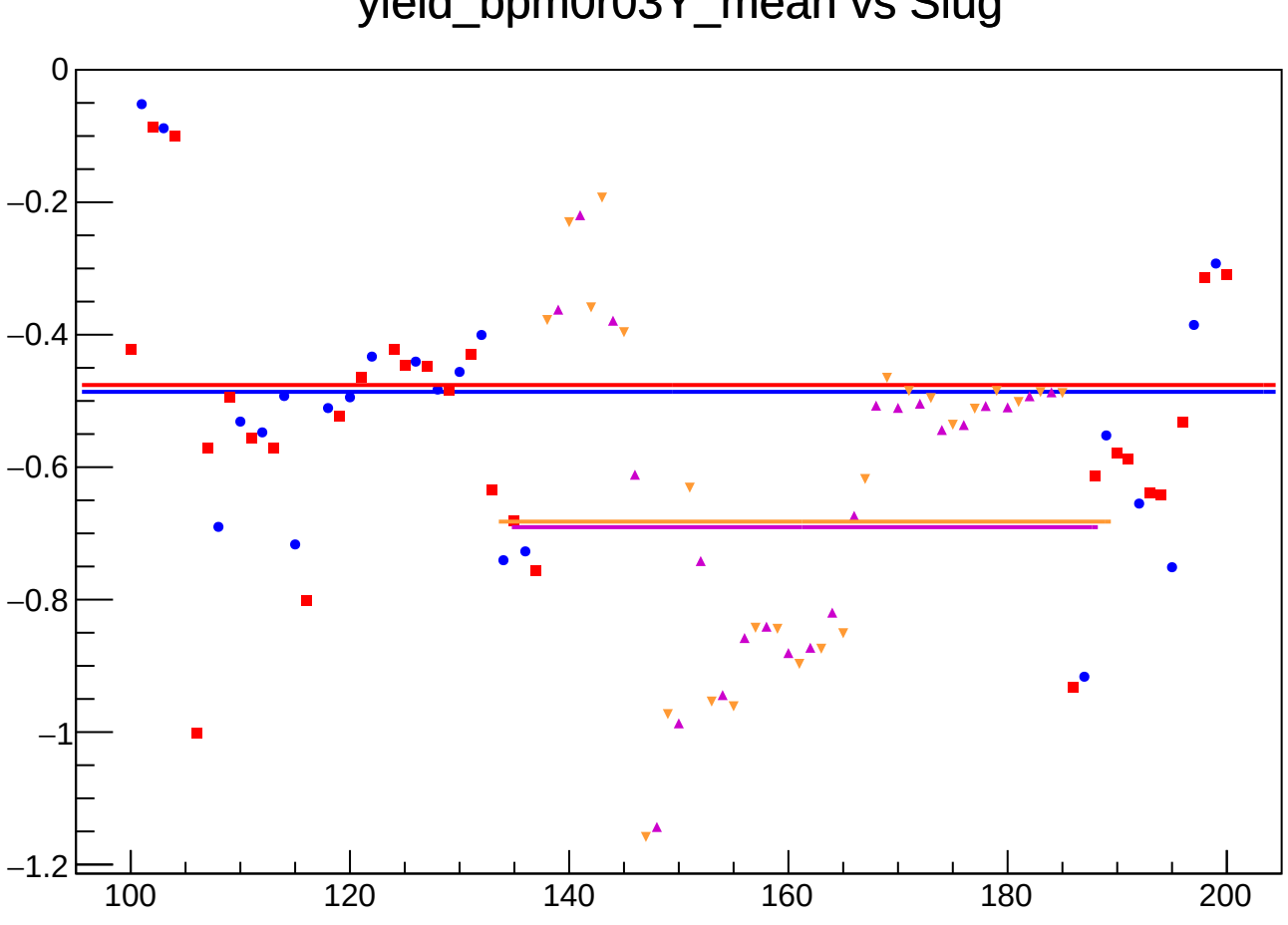
Right Out: 0.074+/-0.000 χ^2/NDF: 225987.7/27

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 429957.7/46

All: 0.073+/-0.000 χ^2/NDF: 865570.8/97

- sign 0.073+/-0.000 χ^2/NDF: 430353.2/50



Right In: -0.486+/-0.000 χ^2/NDF: 6606901146.9/21

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.476+/-0.000 χ^2/NDF: 6008493850.9/27

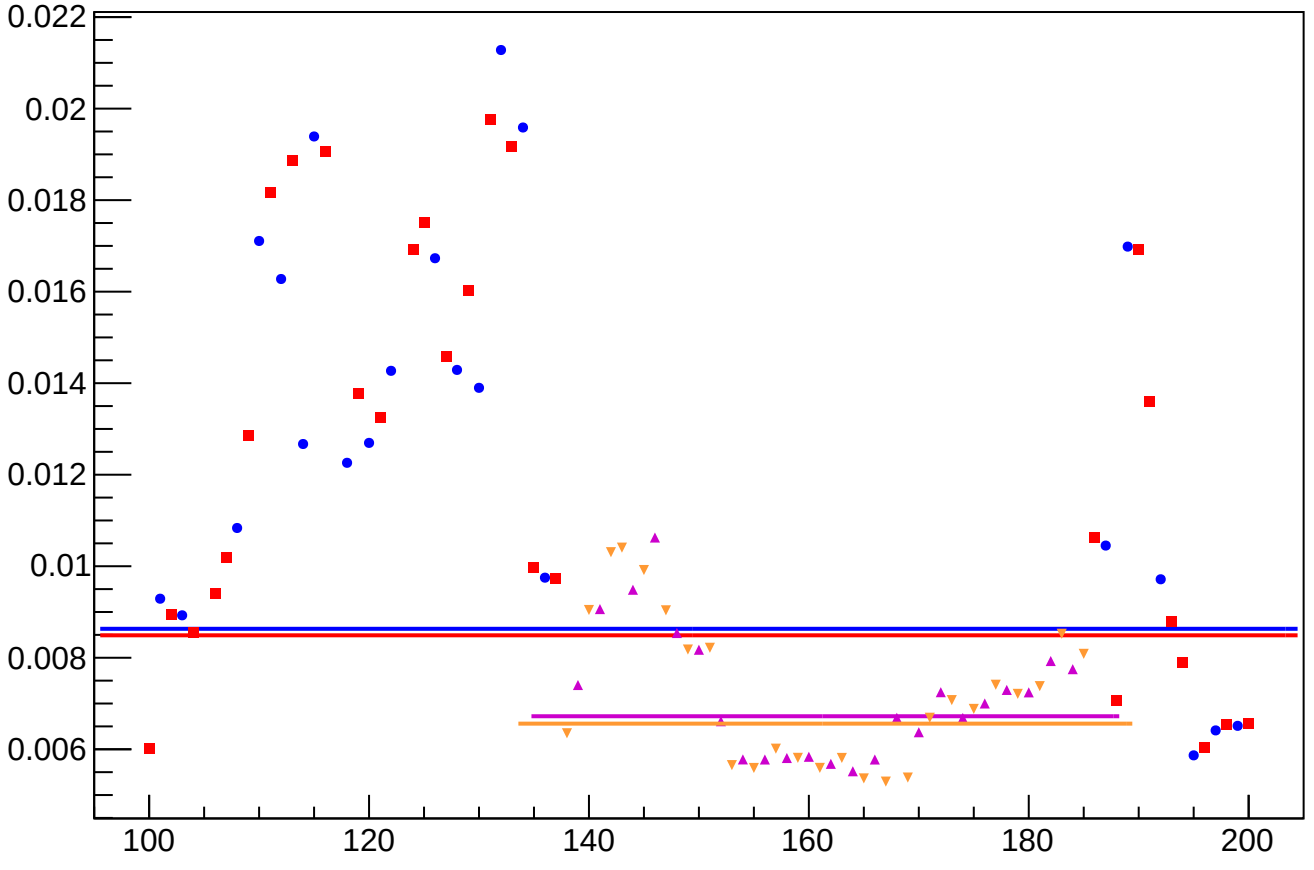
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.637+/-0.000 χ^2/NDF: 32079651402.5/46

All: -0.633+/-0.000 χ^2/NDF: 59899794722.9/

- sign -0.628+/-0.000 χ^2/NDF: 27802749192.7/50

yield_bpm0r03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2609975.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2877804.7/27

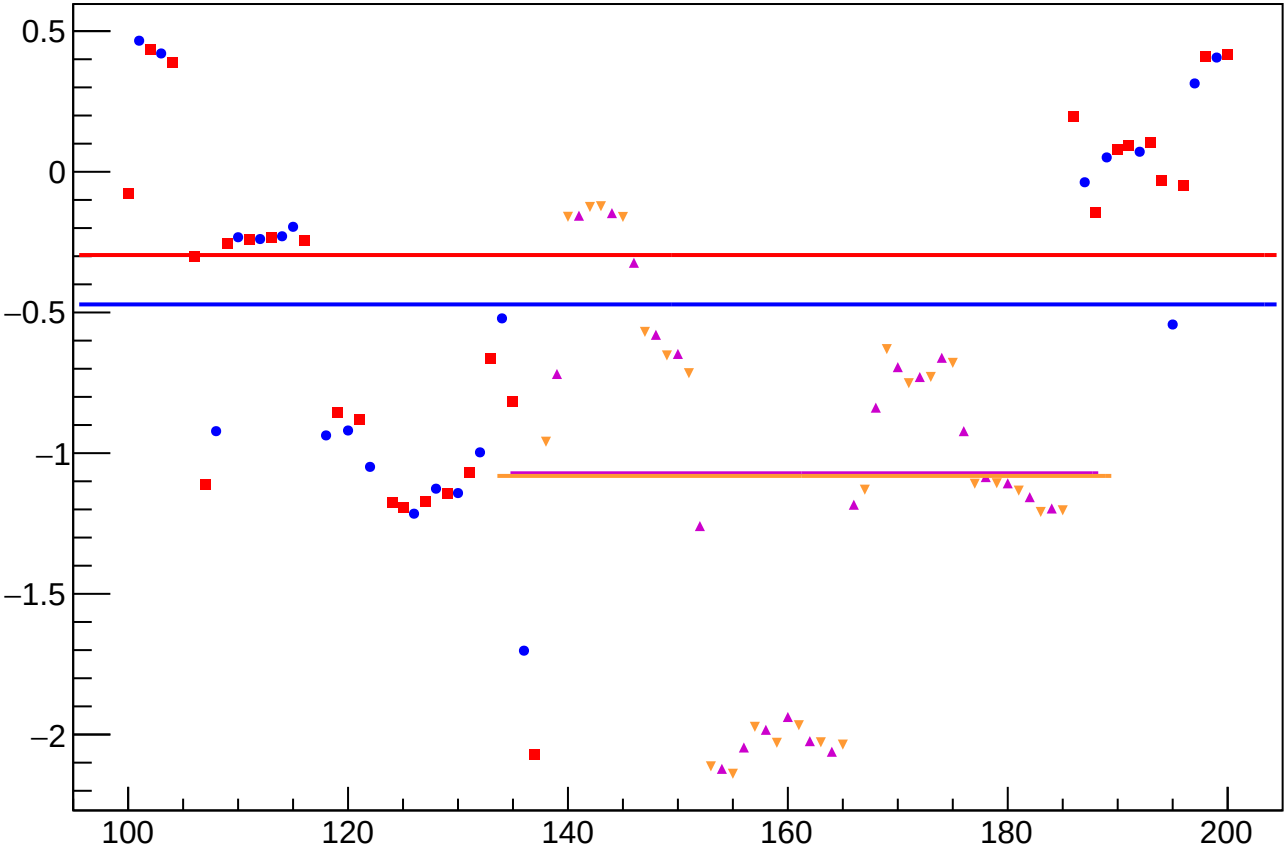
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4830668.8/46

All: 0.007+/-0.000 χ^2/NDF: 9357259.7/97

- sign 0.007+/-0.000 χ^2/NDF: 4507420.9/50

yield_bpm0r05X_mean vs Slug



Right In: -0.471+/-0.000 χ^2/NDF: 662472684.1/21

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.296+/-0.000 χ^2/NDF: 559874768.2/27

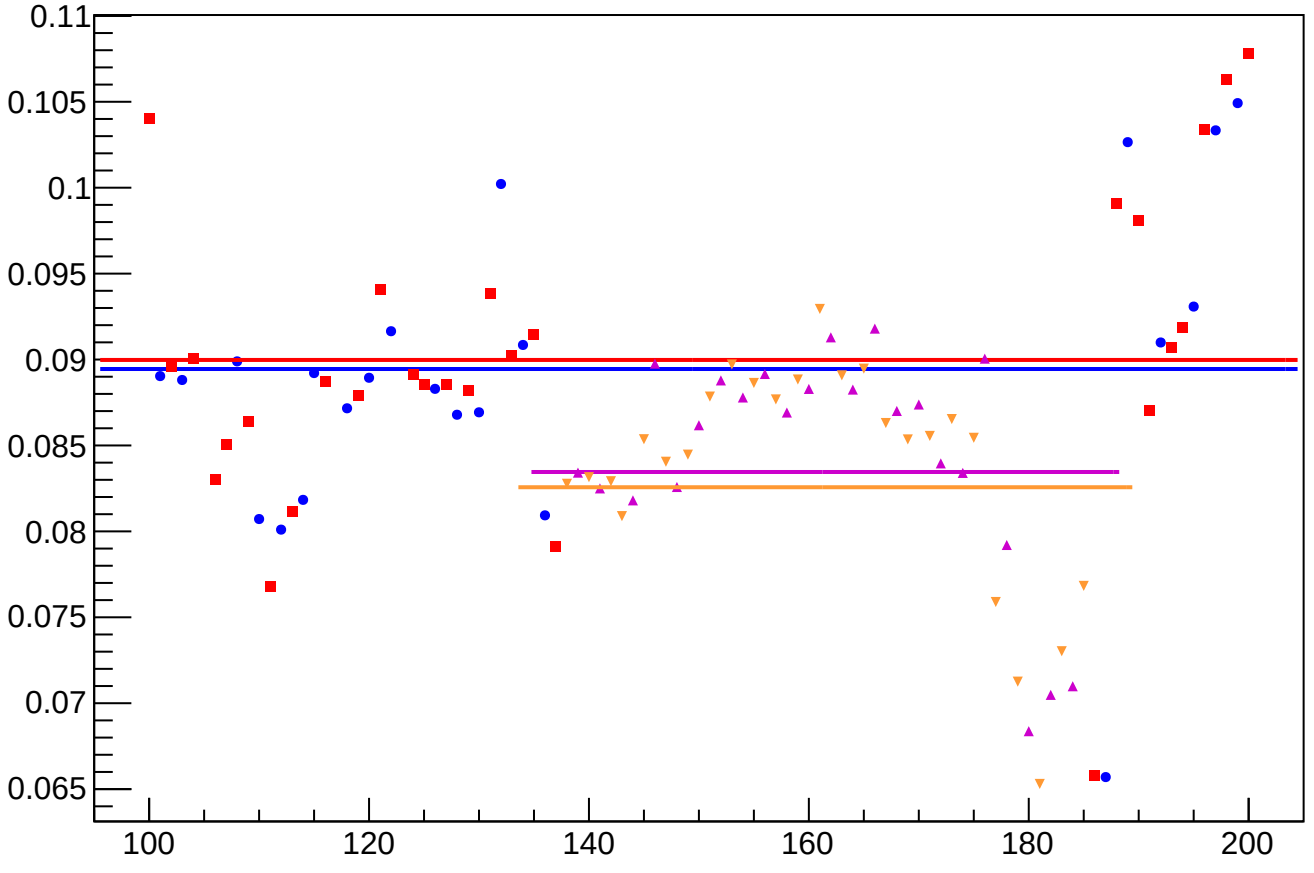
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.876+/-0.000 χ^2/NDF: 2165404393.0/46

All: -0.822+/-0.000 χ^2/NDF: 4336194359.4/9

- sign -0.768+/-0.000 χ^2/NDF: 2146346641.2/50

yield_bpm0r05X_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 195439.2/21

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 309634.8/27

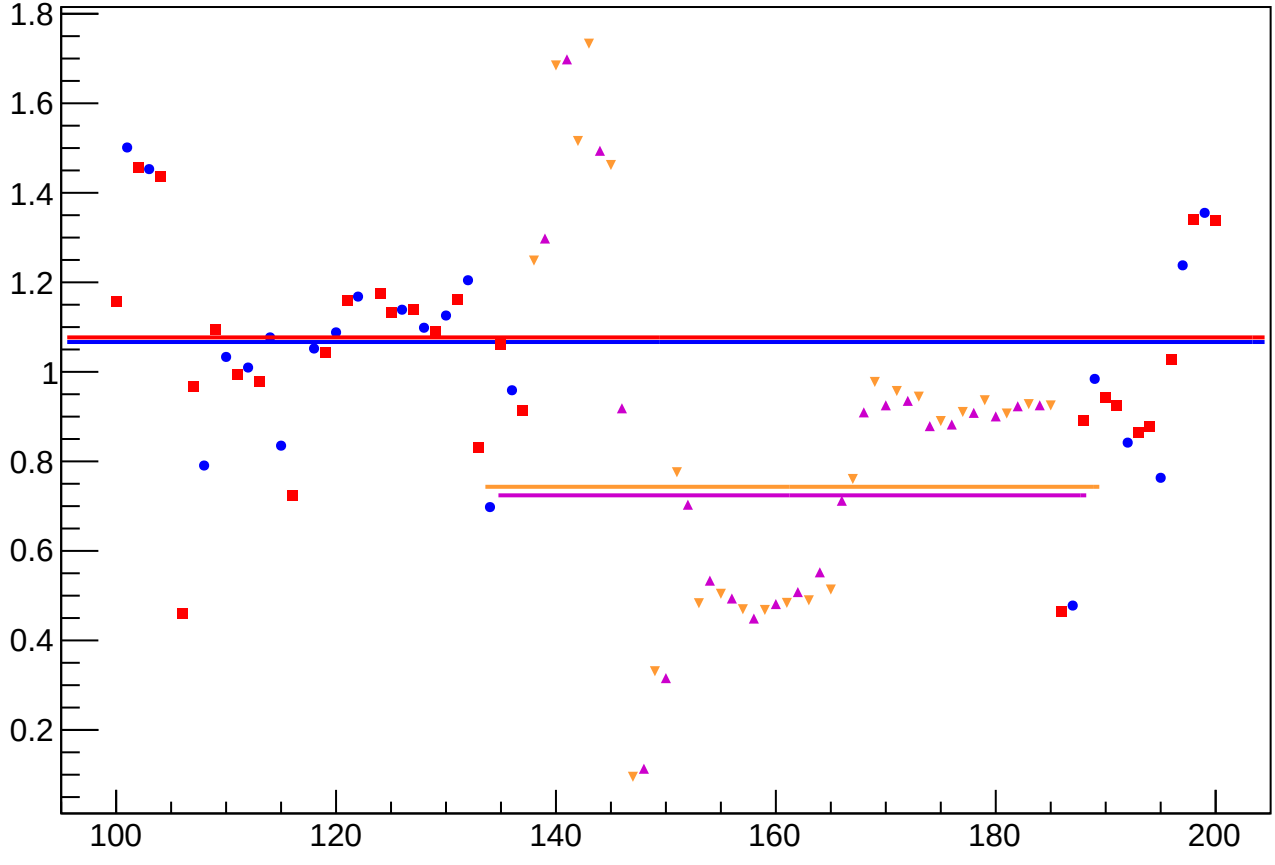
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 575925.5/46

All: 0.085+/-0.000 χ^2/NDF: 1215603.3/97

- sign 0.086+/-0.000 χ^2/NDF: 634356.2/50

yield_bpm0r05Y_mean vs Slug



Right In: 1.067+/-0.000 χ^2/NDF: 4184371224.2/21

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.077+/-0.000 χ^2/NDF: 4209665497.2/27

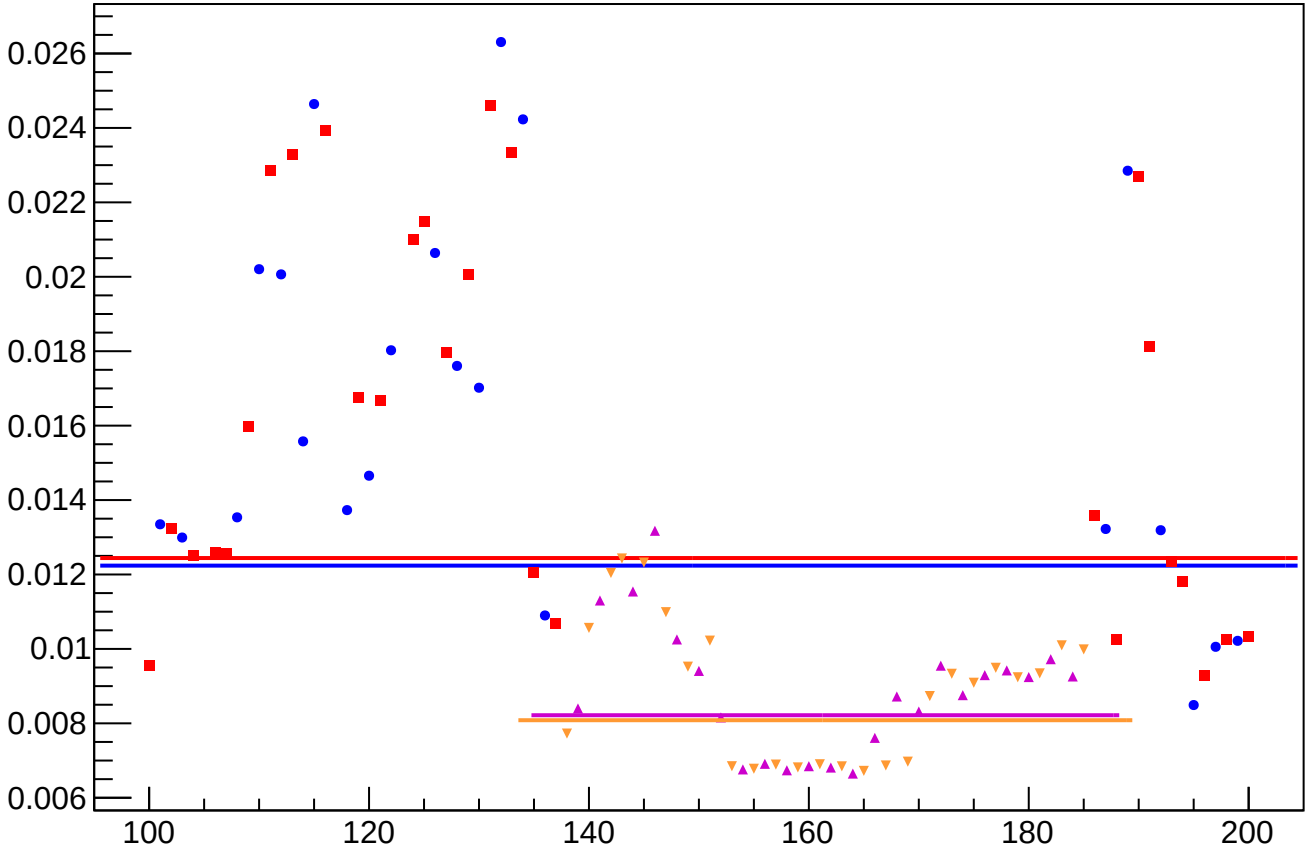
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.805+/-0.000 χ^2/NDF: 42211904377.0/46

All: 0.805+/-0.000 χ^2/NDF: 79139525752.4/9

- sign 0.805+/-0.000 χ^2/NDF: 36927605586.2/50

yield_bpm0r05Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1715177.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1853505.3/27

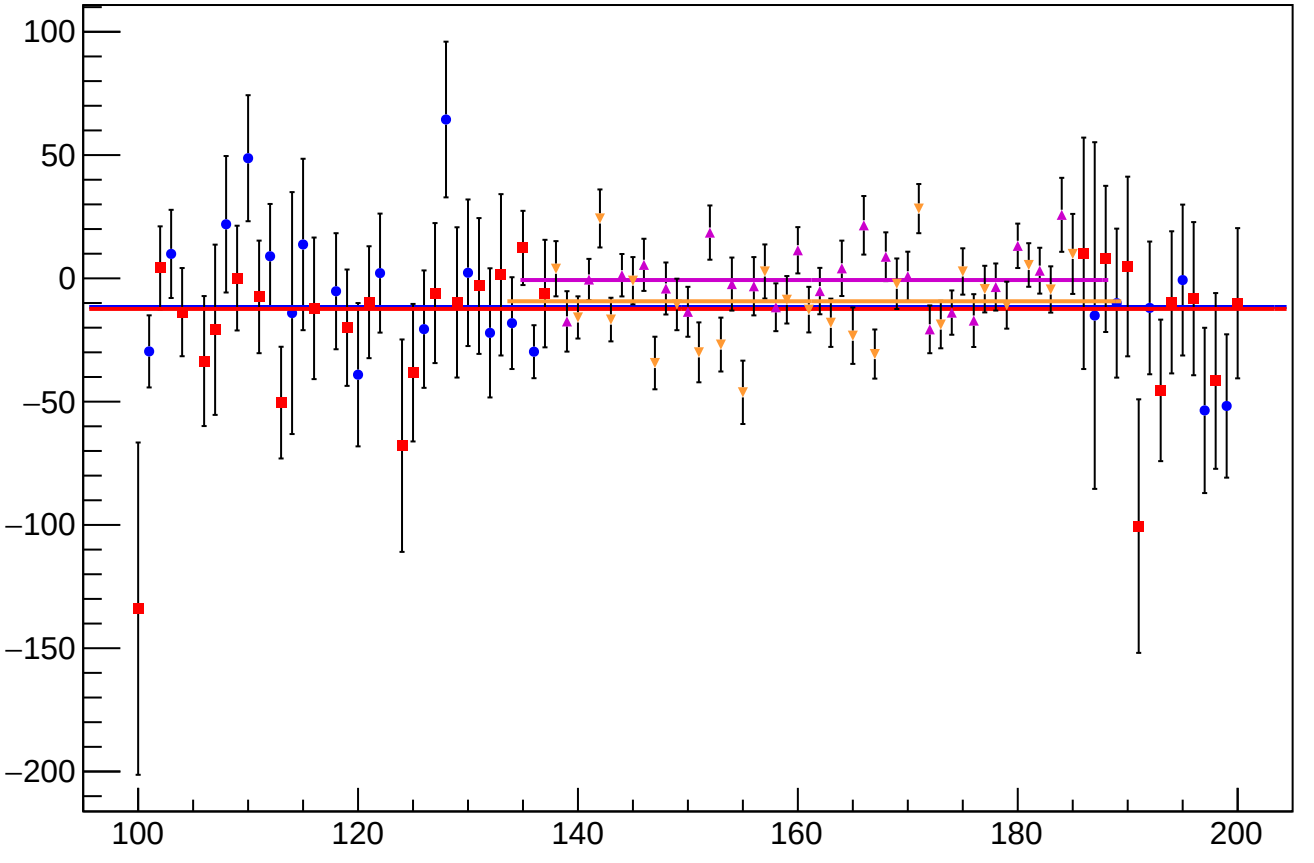
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4918268.2/46

All: 0.009+/-0.000 χ^2/NDF: 9954461.6/97

- sign 0.009+/-0.000 χ^2/NDF: 5005701.4/50

diff_bpm4aX_mean vs Slug



Right In: -11.615+/-4.906 χ^2/NDF: 25.7/21

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

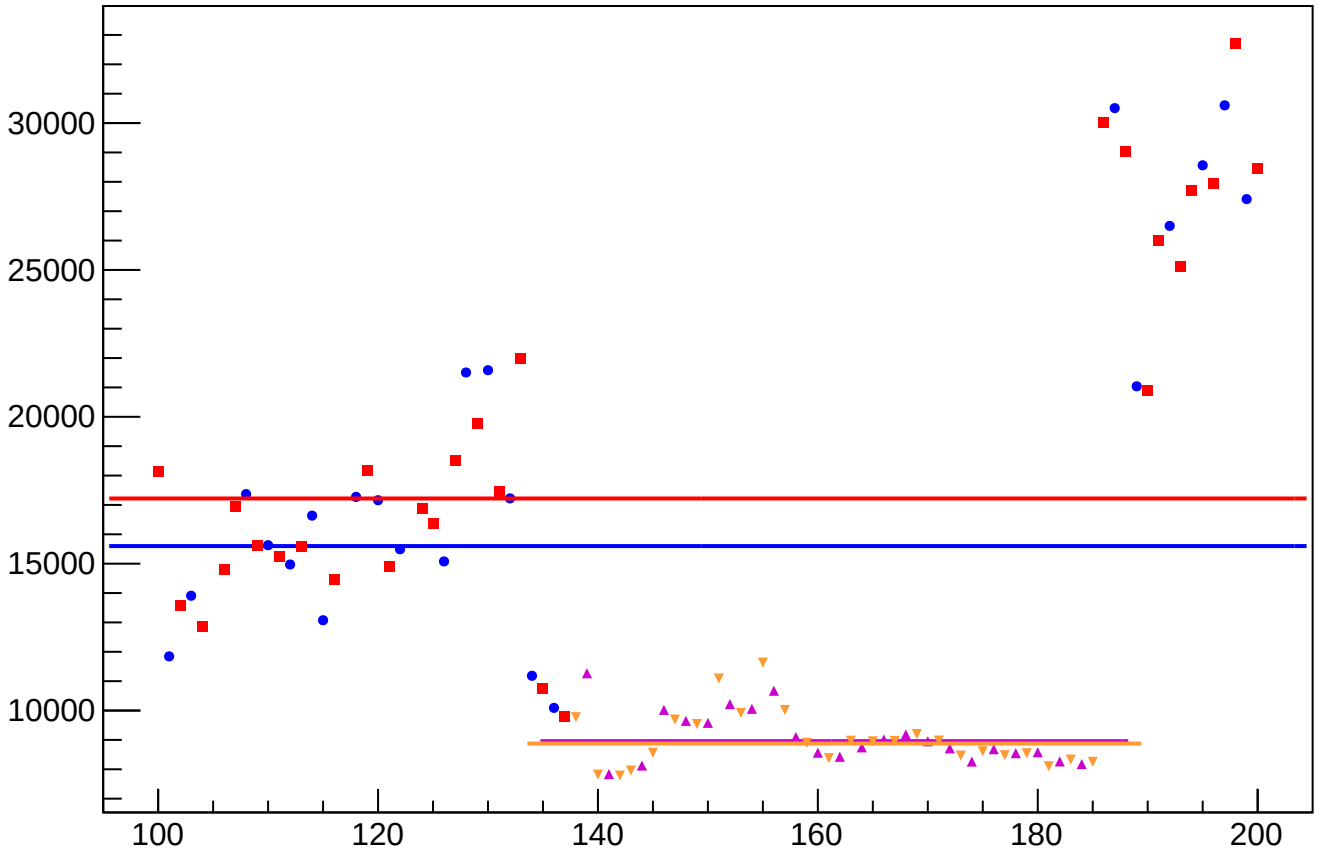
Right Out: -12.391+/-4.930 χ^2/NDF: 19.8/27

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.631+/-1.876 χ^2/NDF: 87.0/46

All: -6.167+/-1.347 χ^2/NDF: 148.0/97

- sign -2.481+/-1.935 χ^2/NDF: 54.0/50



Right In: 15599.177+/-3.469 χ^2/NDF: 2558637.2/21

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

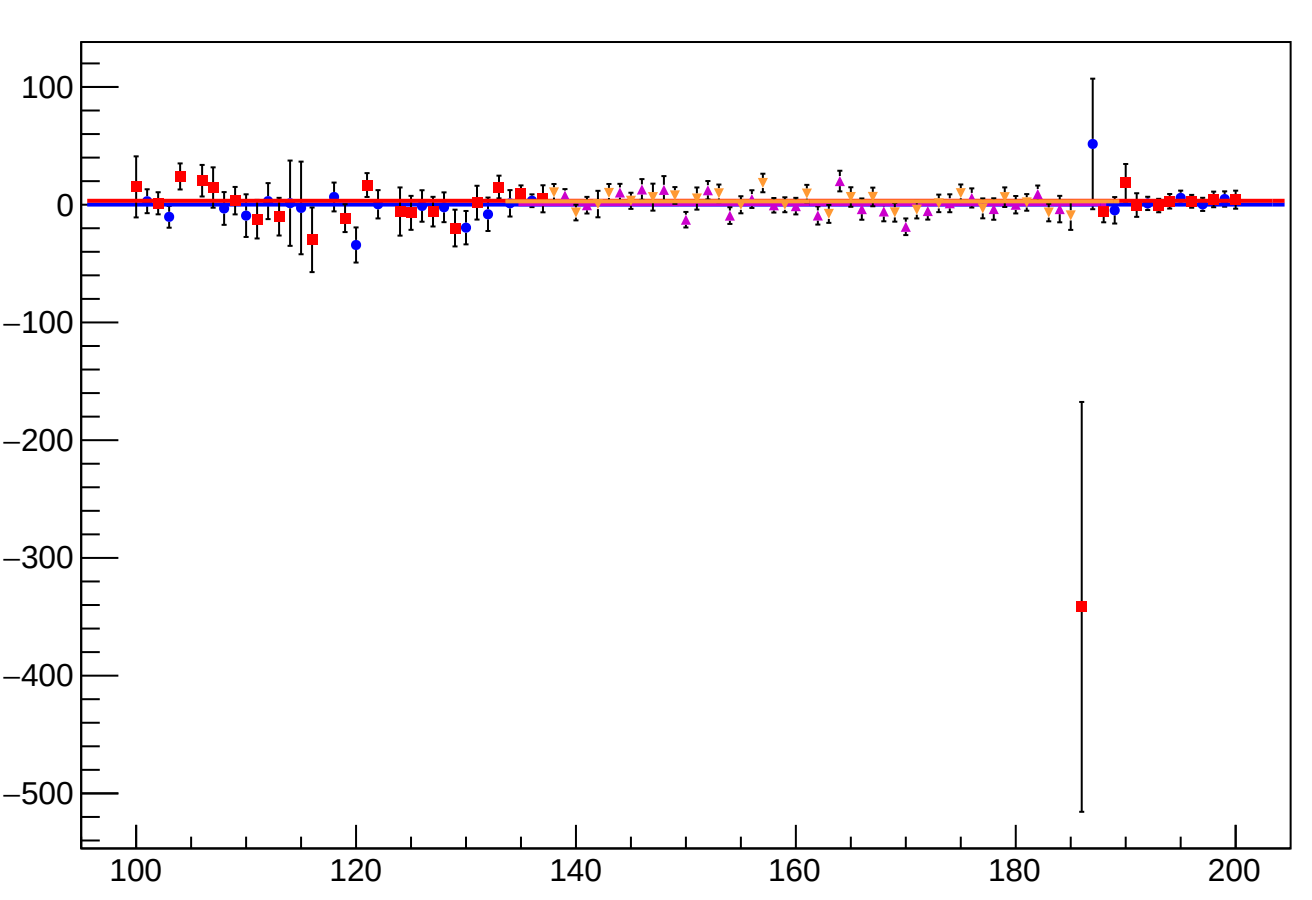
Right Out: 17219.227+/-3.486 χ^2/NDF: 2821918.3/27

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9858.950+/-1.327 χ^2/NDF: 6112482.9/46

All: 10039.394+/-0.953 χ^2/NDF: 14023311.1

- sign 10231.380+/-1.368 χ^2/NDF: 7872647.6/50



Right In: 0.109+/-2.045 χ^2/NDF: 12.4/21

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.328+/-1.890 χ^2/NDF: 24.3/27

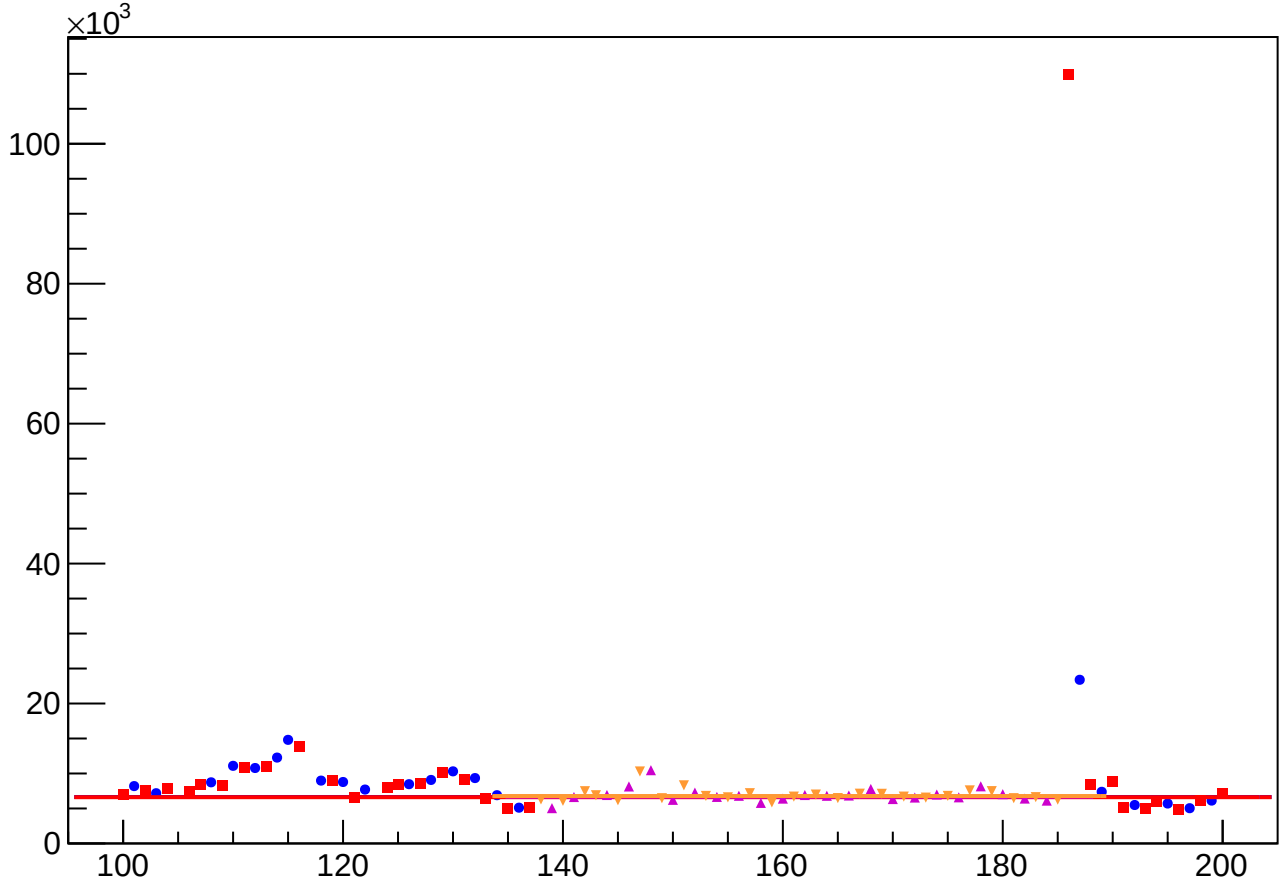
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.865+/-1.237 χ^2/NDF: 33.1/46

All: 1.750+/-0.866 χ^2/NDF: 91.6/97

- sign 1.639+/-1.213 χ^2/NDF: 58.5/50

diff_bpm4aY_rms vs Slug



Right In: 6640.354+/-1.446 χ^2/NDF: 1606856.1/21

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

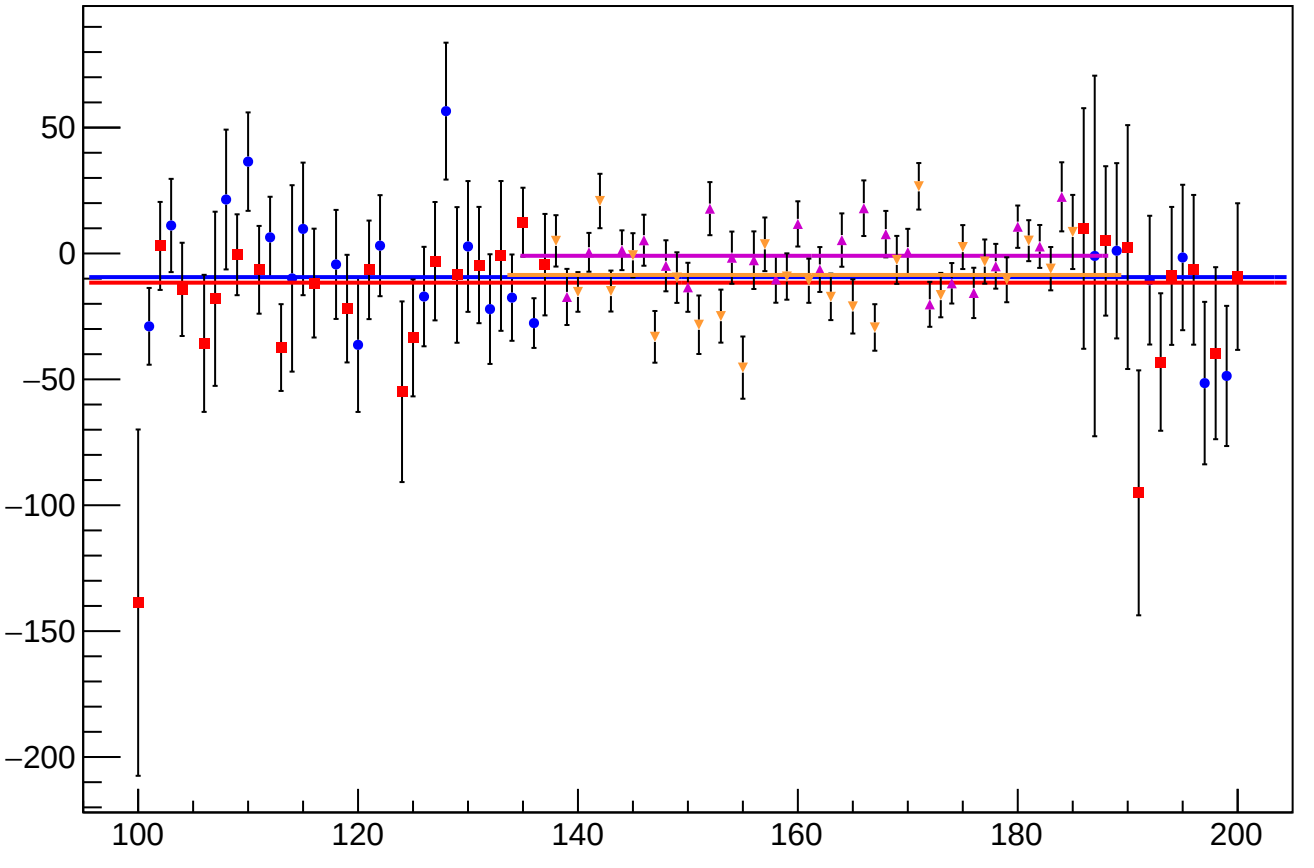
Right Out: 6612.583+/-1.337 χ^2/NDF: 2302700.0/27

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6726.823+/-0.875 χ^2/NDF: 2012662.6/46

All: 6691.657+/-0.612 χ^2/NDF: 4940759.3/97

- sign 6657.857+/-0.858 χ^2/NDF: 2924927.6/50



Right In: -9.393+/-4.456 χ^2/NDF: 26.7/21

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -11.597+/-4.430 χ^2/NDF: 19.6/27

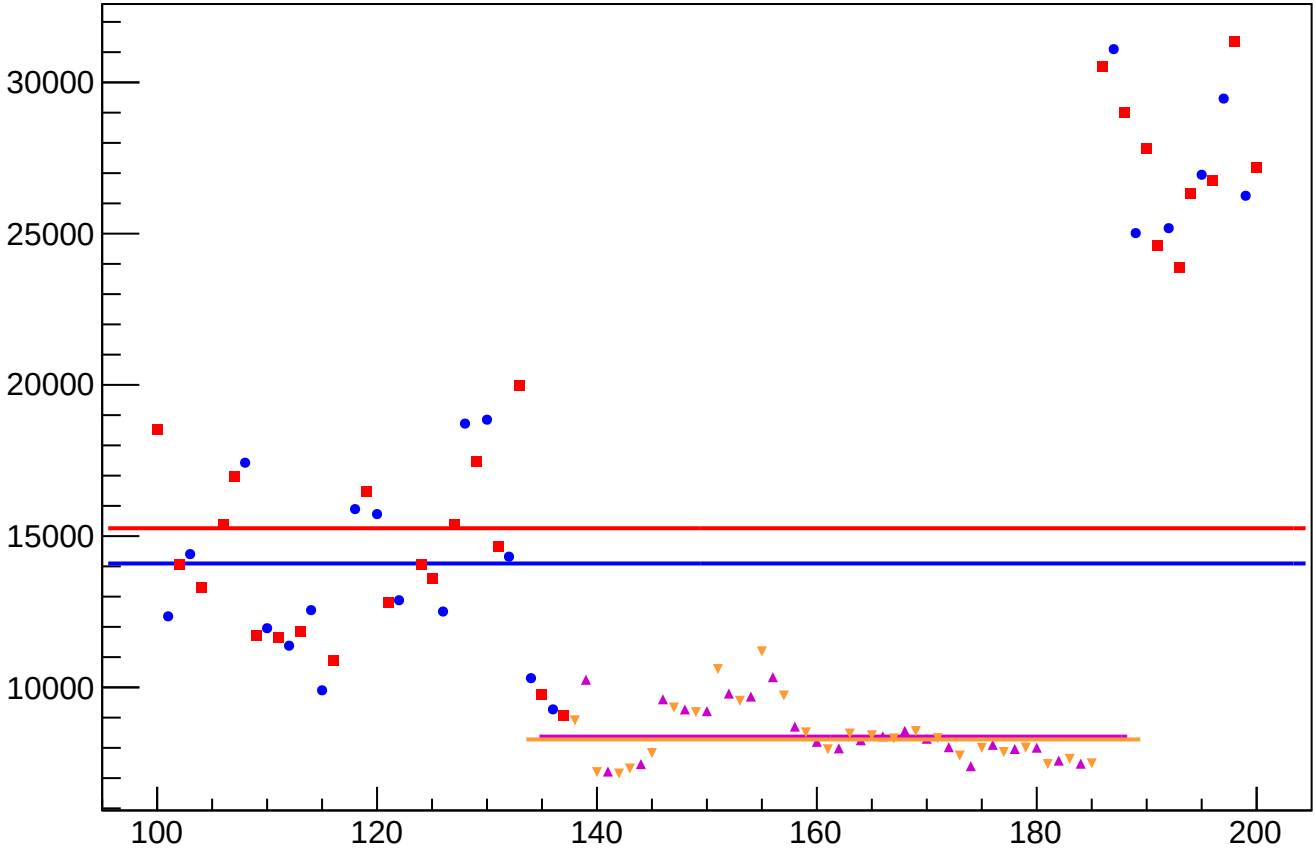
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.668+/-1.745 χ^2/NDF: 88.6/46

All: -5.766+/-1.253 χ^2/NDF: 147.8/97

- sign -2.681+/-1.799 χ^2/NDF: 53.5/50

diff_bpm4eX_rms vs Slug



Right In: 14095.707+/-3.151 χ^2/NDF: 2849535.4/21

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15260.582+/-3.132 χ^2/NDF: 3457503.8/27

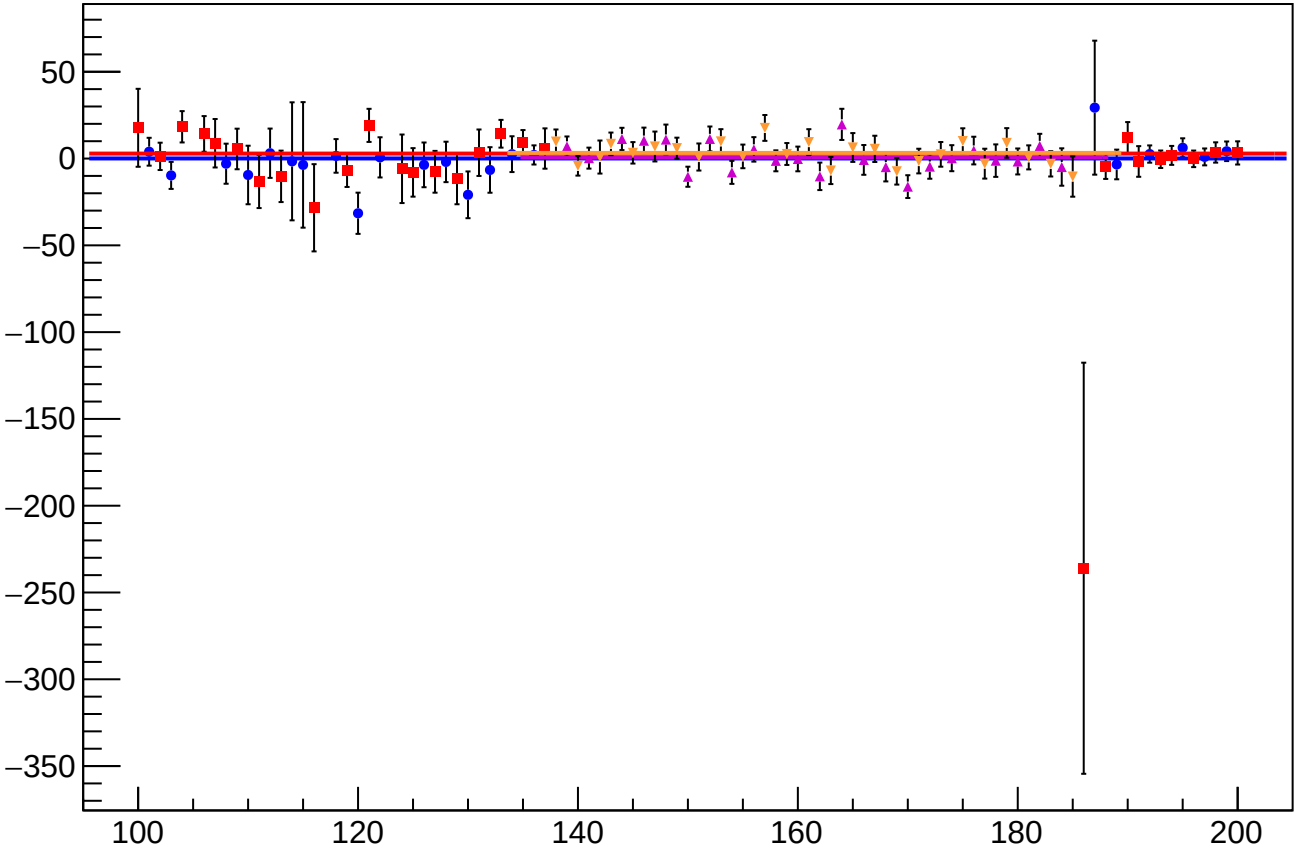
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9170.012+/-1.234 χ^2/NDF: 6190704.9/46

All: 9334.142+/-0.886 χ^2/NDF: 14115451.8/9

- sign 9508.594+/-1.272 χ^2/NDF: 7888254.1/50

diff_bpm4eY_mean vs Slug



Right In: 0.051+/-1.814 χ^2/NDF: 15.2/21

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 2.866+/-1.654 χ^2/NDF: 25.0/27

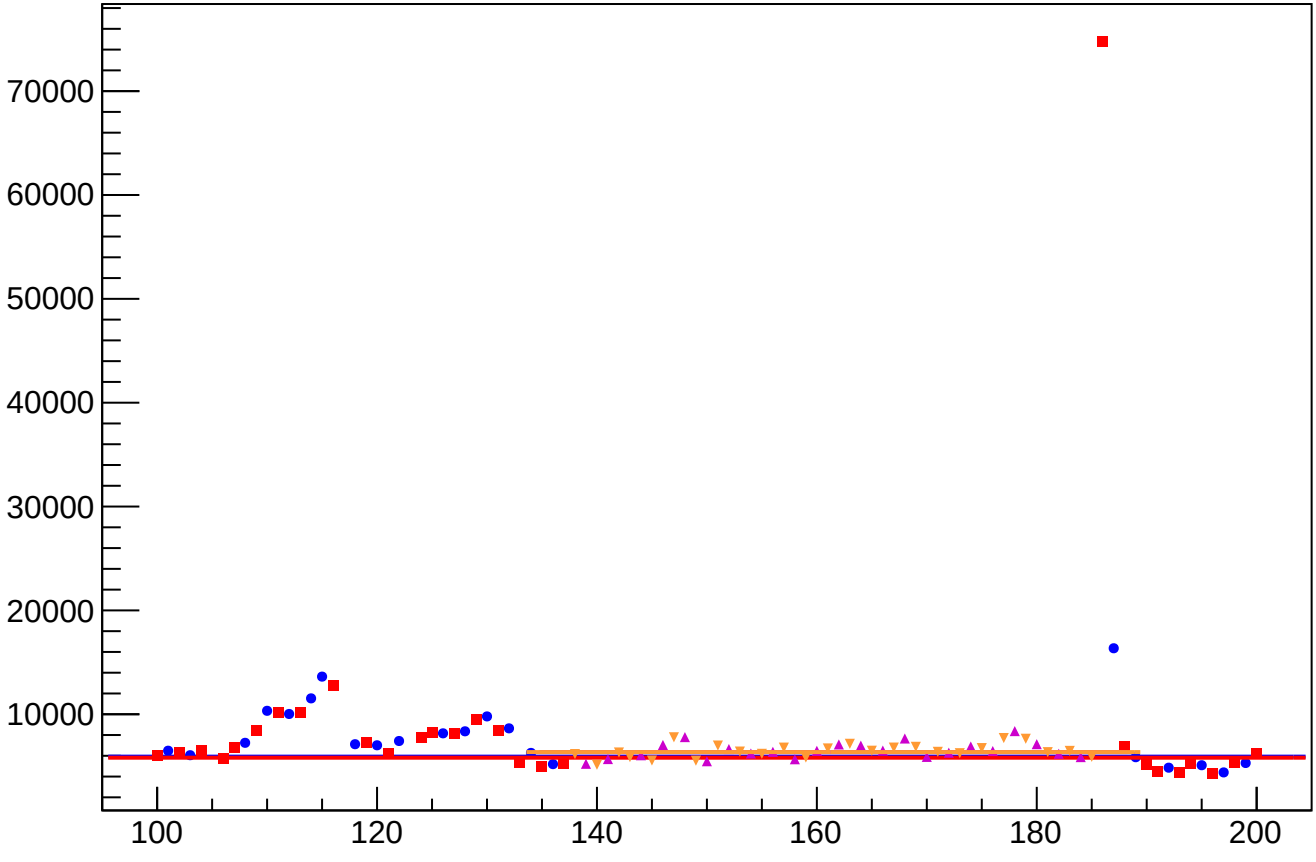
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.999+/-1.136 χ^2/NDF: 34.7/46

All: 1.819+/-0.794 χ^2/NDF: 91.4/97

- sign 1.647+/-1.111 χ^2/NDF: 56.7/50

diff_bpm4eY_rms vs Slug



Right In: 5918.434+/-1.283 χ^2/NDF: 1507208.1/21

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5816.820+/-1.170 χ^2/NDF: 2266449.8/27

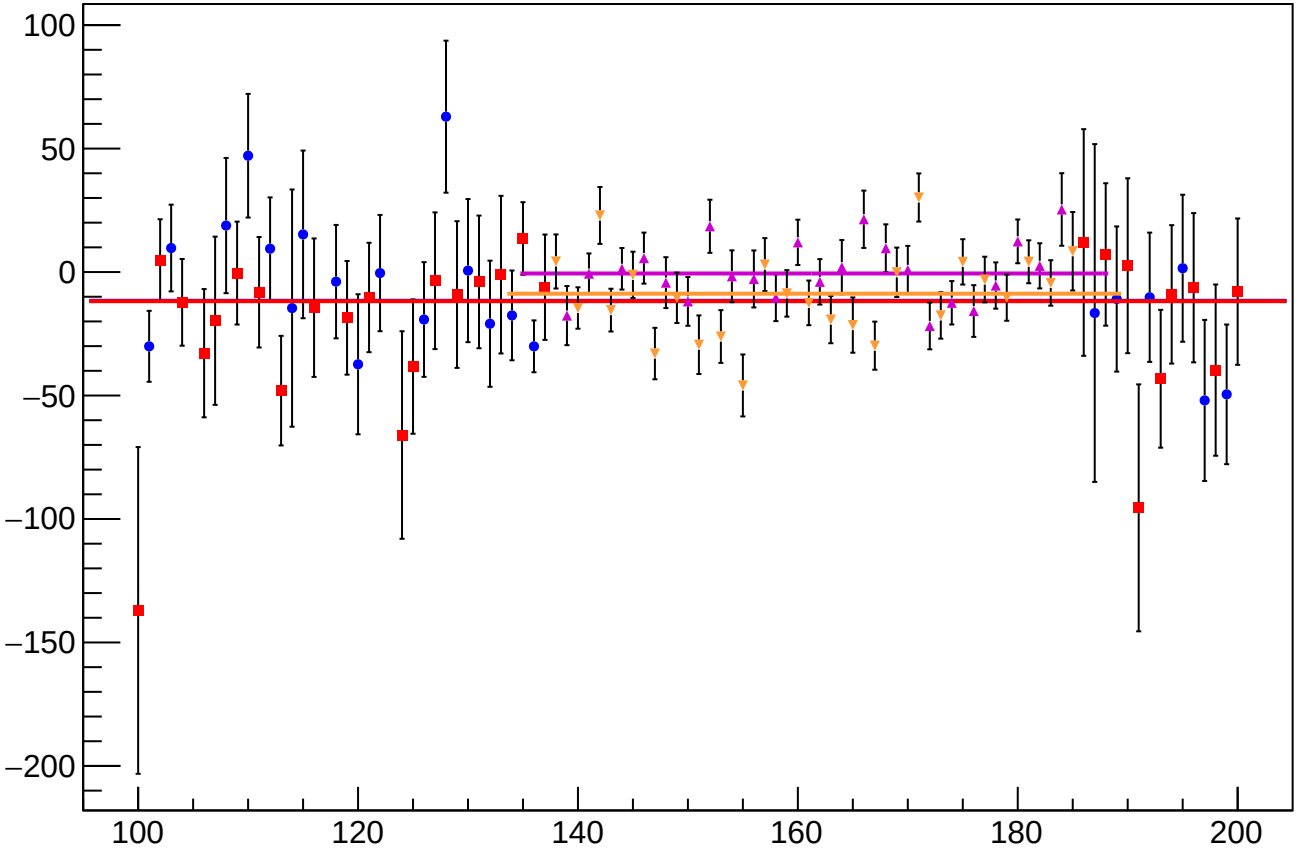
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6185.403+/-0.803 χ^2/NDF: 1992562.5/46

All: 6149.424+/-0.562 χ^2/NDF: 4855148.6/97

- sign 6115.021+/-0.786 χ^2/NDF: 2858662.3/50

diff_bpm4acX_mean vs Slug



Right In: -11.648+/-4.798 χ^2/NDF: 25.7/21

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.794+/-4.820 χ^2/NDF: 20.0/27

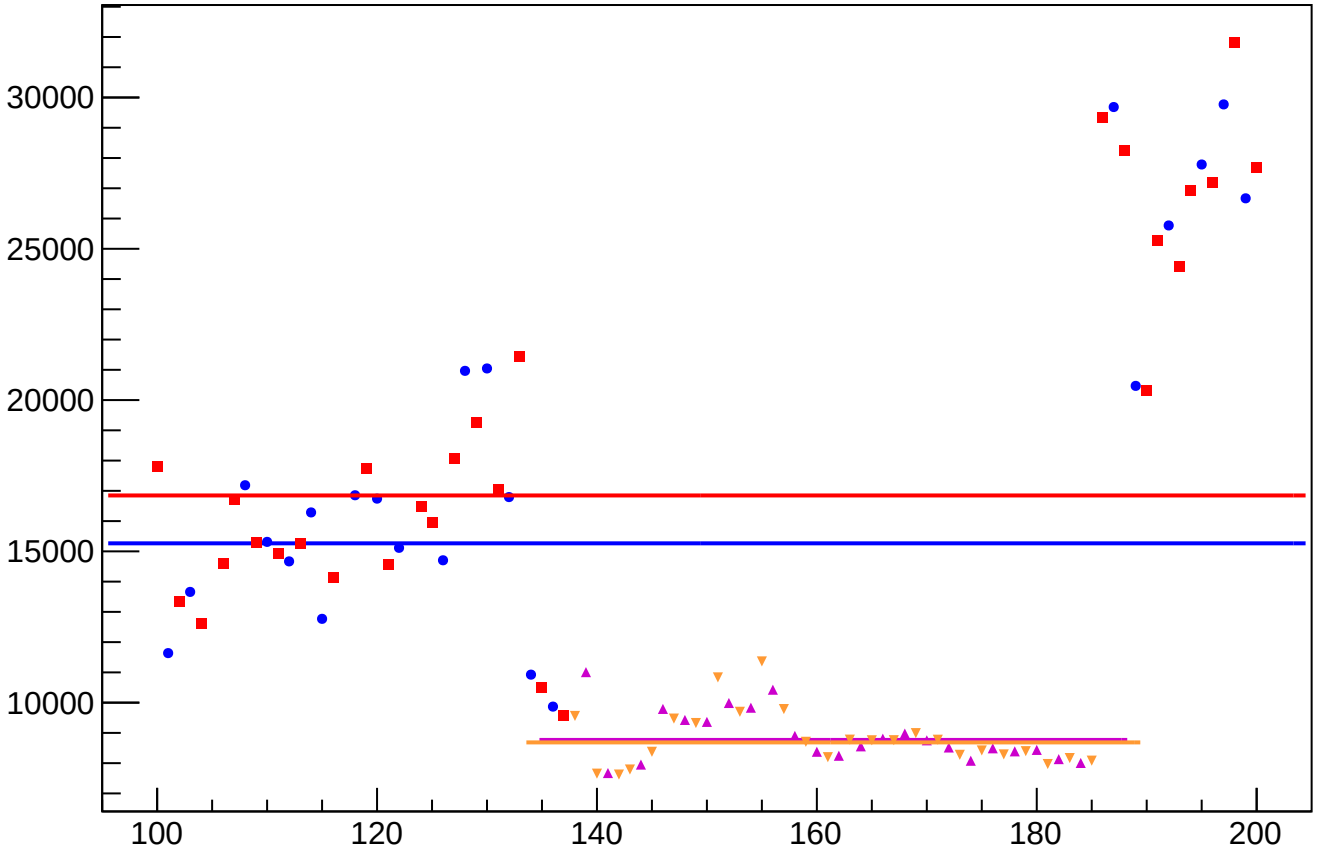
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.188+/-1.836 χ^2/NDF: 88.7/46

All: -5.856+/-1.318 χ^2/NDF: 149.7/97

- sign -2.310+/-1.894 χ^2/NDF: 54.1/50

diff_bpm4acX_rms vs Slug



Right In: 15265.328+/-3.392 χ^2/NDF: 2529485.5/21

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16847.725+/-3.408 χ^2/NDF: 2782607.4/27

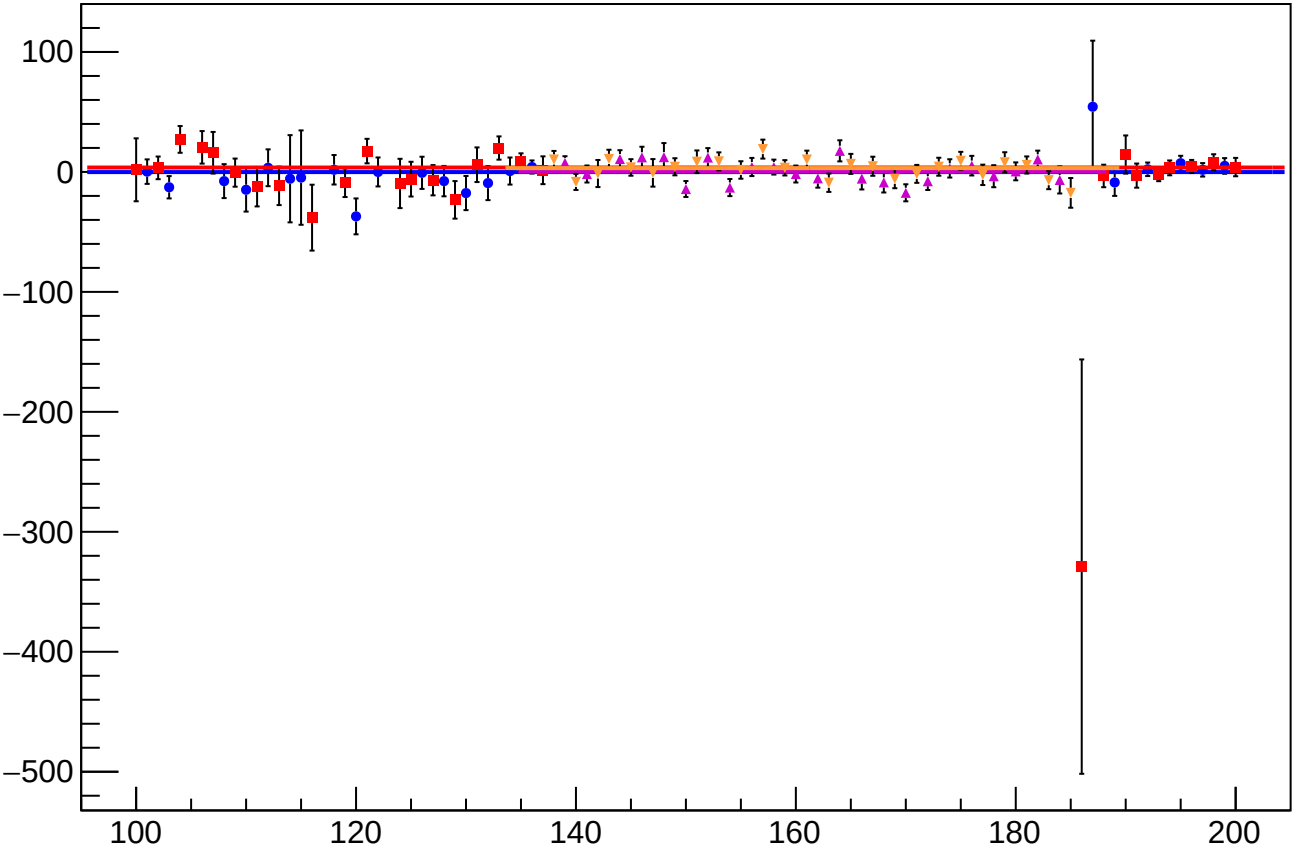
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9649.369+/-1.298 χ^2/NDF: 6080796.4/46

All: 9826.341+/-0.932 χ^2/NDF: 13949837.7/9

- sign 10014.636+/-1.339 χ^2/NDF: 7830678.2/50

diff_bpm4acY_mean vs Slug



Right In: -0.138+/-2.053 χ^2/NDF: 15.8/21

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.670+/-1.898 χ^2/NDF: 28.2/27

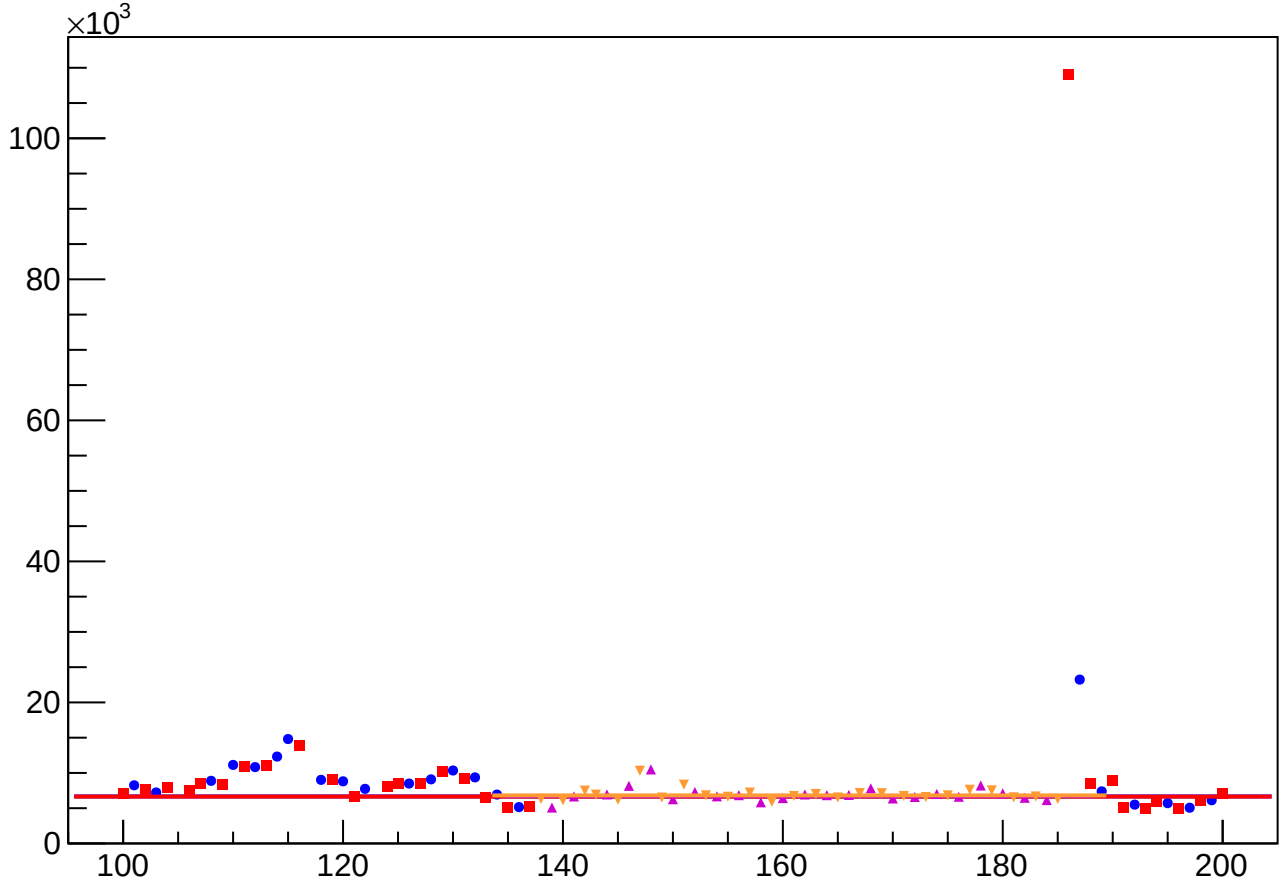
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.958+/-1.243 χ^2/NDF: 39.1/46

All: 1.812+/-0.870 χ^2/NDF: 103.5/97

- sign 1.671+/-1.219 χ^2/NDF: 64.3/50

diff_bpm4acY_rms vs Slug



Right In: 6668.973+/-1.452 χ^2/NDF: 1603719.0/21

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6643.356+/-1.342 χ^2/NDF: 2295051.0/27

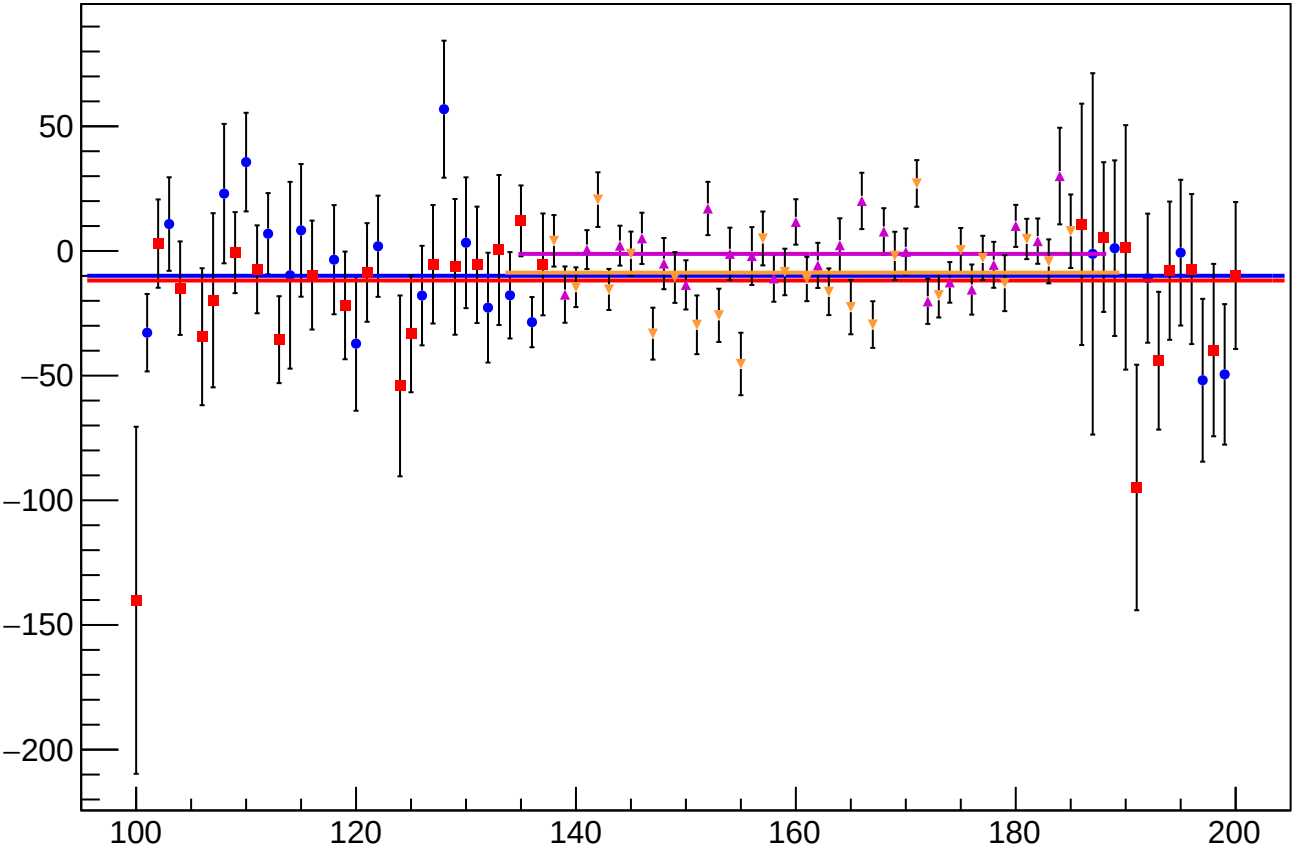
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6760.191+/-0.879 χ^2/NDF: 2004570.1/46

All: 6725.946+/-0.615 χ^2/NDF: 4914965.0/97

- sign 6693.016+/-0.862 χ^2/NDF: 2907417.5/50

diff_bpm4ecX_mean vs Slug



Right In: -9.953+/-4.517 χ^2/NDF: 27.2/21

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.846+/-4.493 χ^2/NDF: 18.5/27

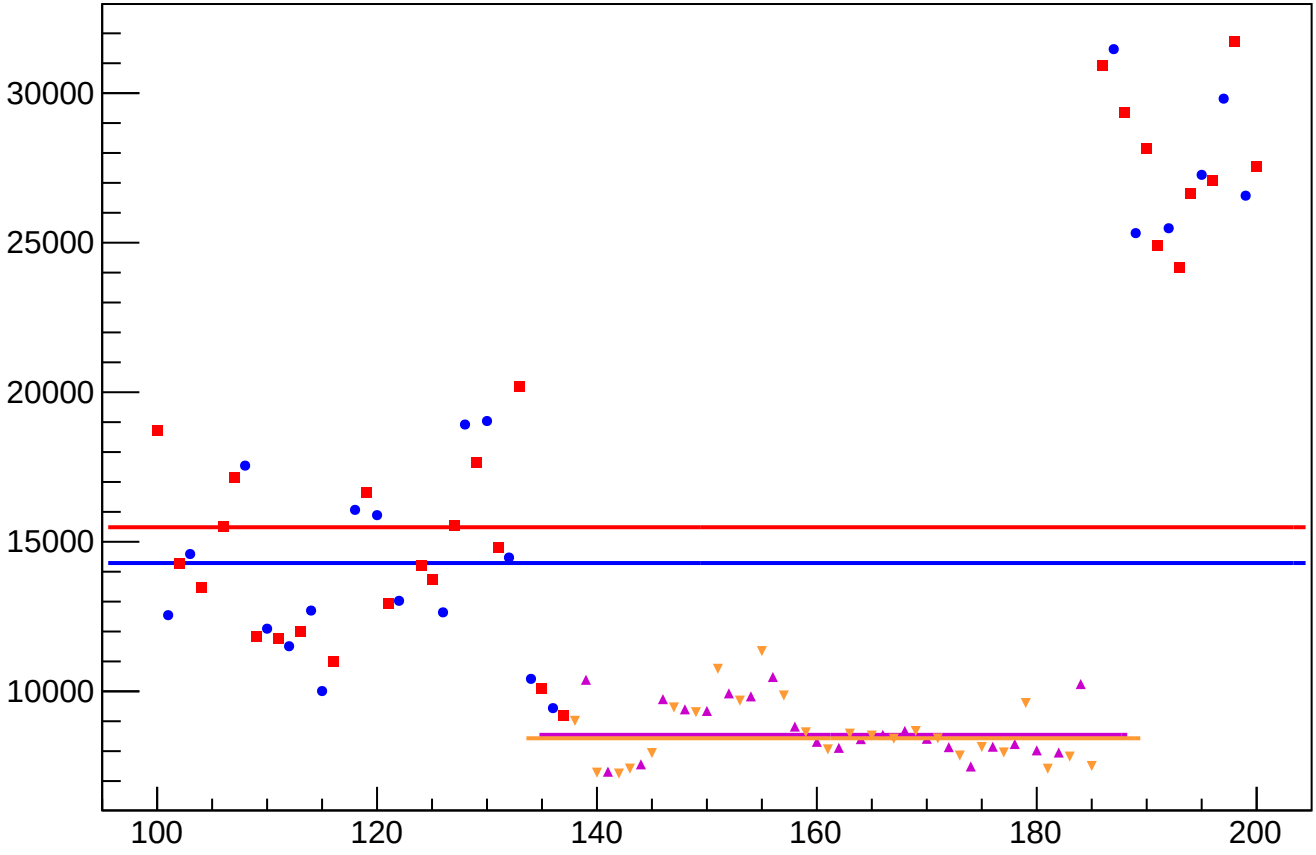
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.888+/-1.780 χ^2/NDF: 88.7/46

All: -6.016+/-1.278 χ^2/NDF: 145.8/97

- sign -2.957+/-1.837 χ^2/NDF: 51.7/50

diff_bpm4ecX_rms vs Slug



Right In: 14289.656+/-3.194 χ^2/NDF: 2828821.1/21

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15486.528+/-3.177 χ^2/NDF: 3419837.6/27

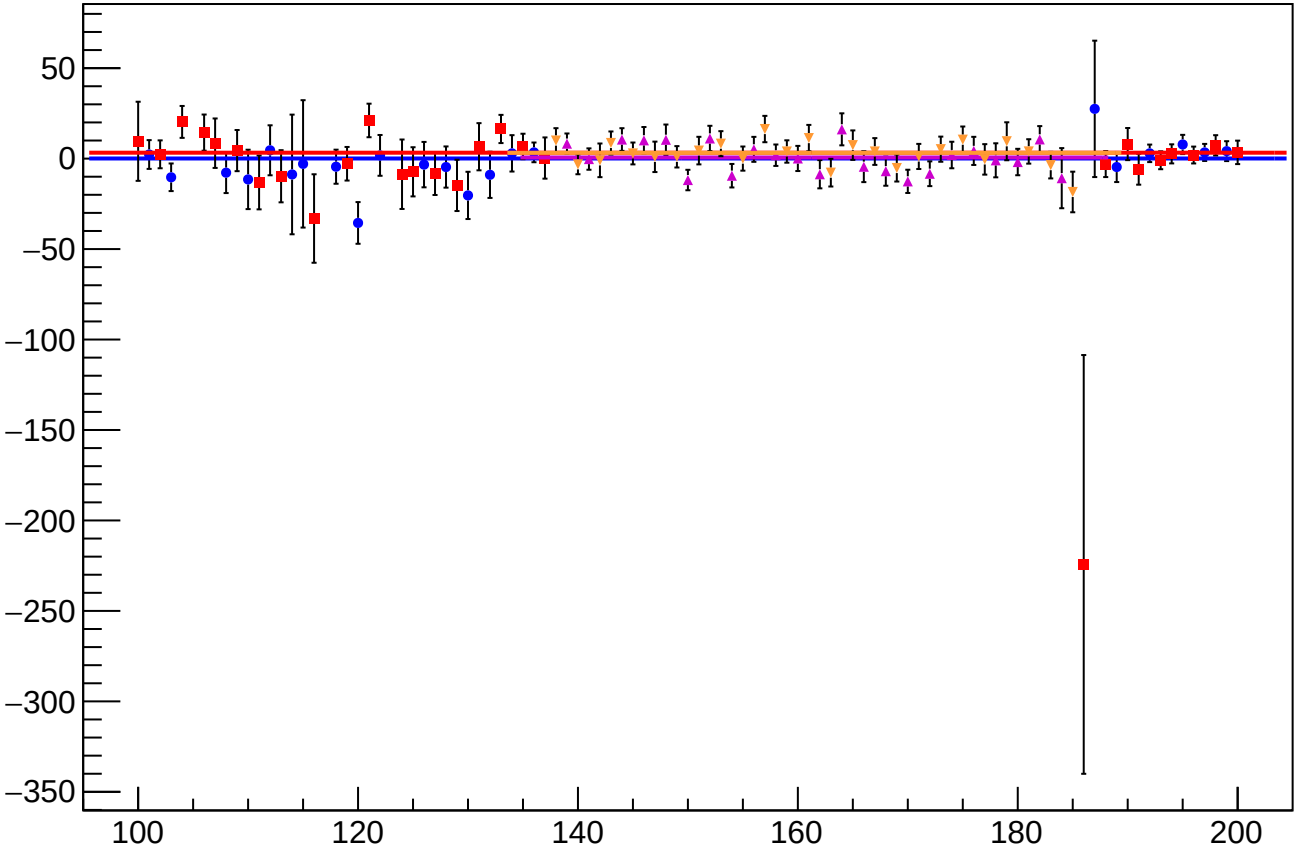
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9340.086+/-1.258 χ^2/NDF: 6156154.5/46

All: 9516.888+/-0.904 χ^2/NDF: 13981796.9/9

- sign 9705.203+/-1.299 χ^2/NDF: 7784874.1/50

diff_bpm4ecY_mean vs Slug



Right In: 0.070+/-1.770 χ^2/NDF: 20.9/21

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.267+/-1.613 χ^2/NDF: 27.8/27

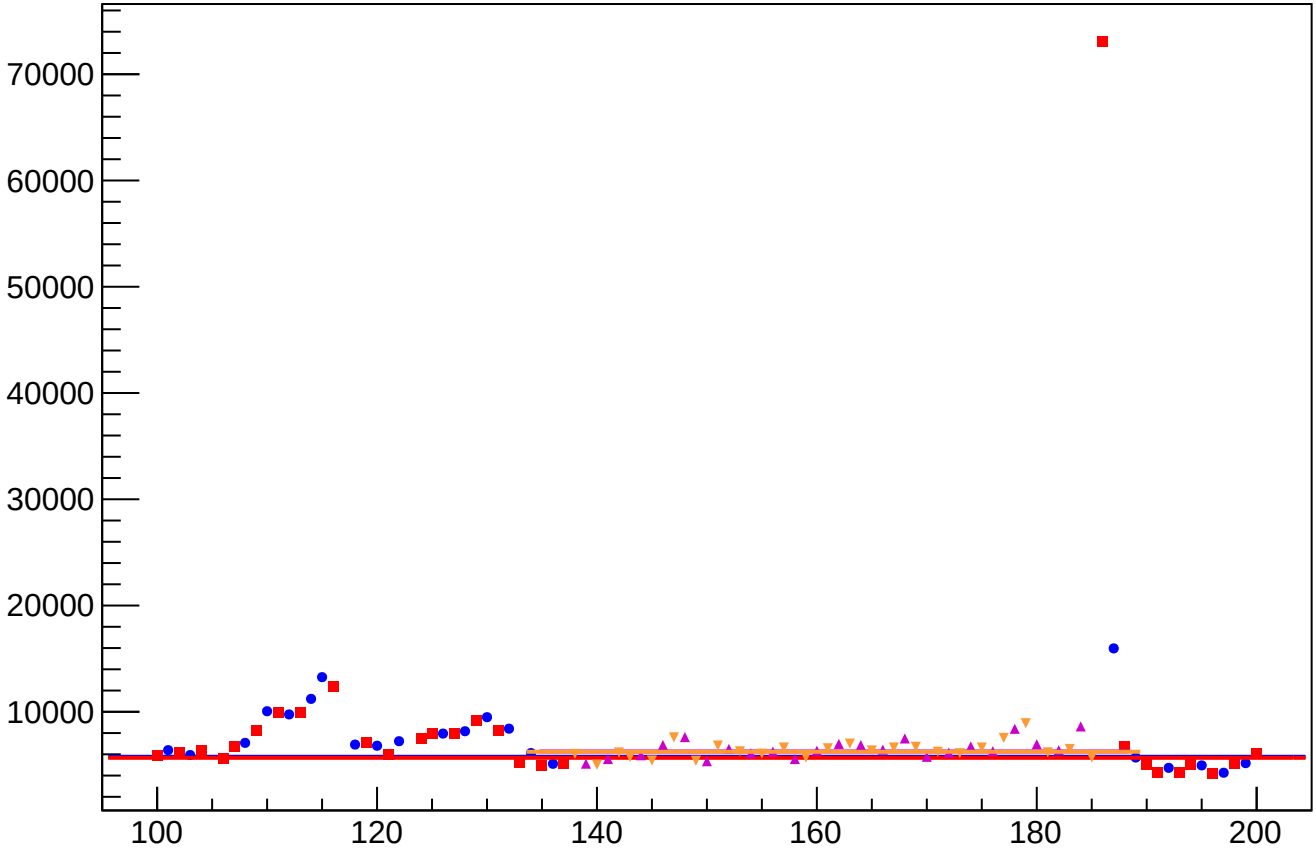
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.949+/-1.114 χ^2/NDF: 41.5/46

All: 1.893+/-0.780 χ^2/NDF: 102.5/97

- sign 1.838+/-1.091 χ^2/NDF: 61.0/50

diff_bpm4ecY_rms vs Slug



Right In: 5768.559+/-1.251 χ^2/NDF: 1510800.3/21

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5670.818+/-1.141 χ^2/NDF: 2247572.2/27

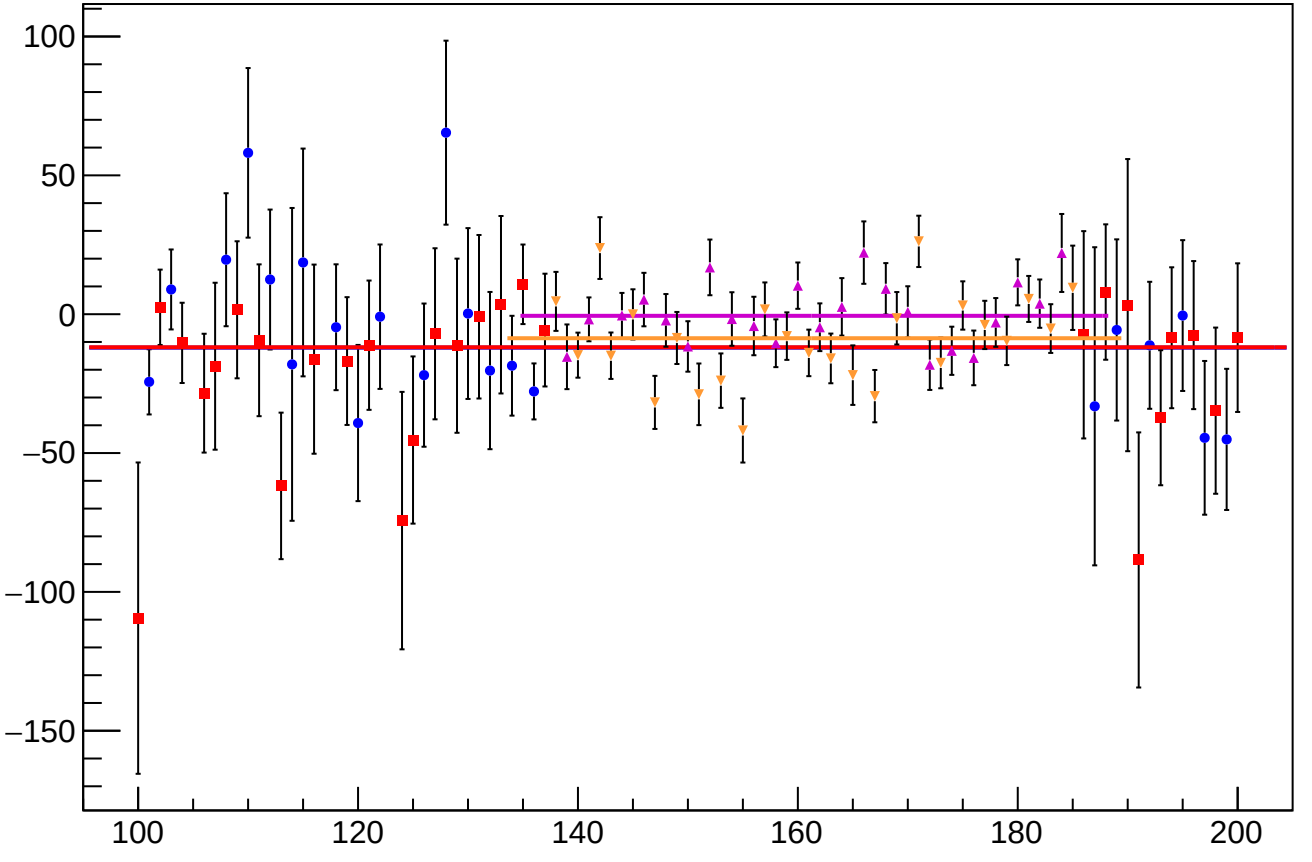
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6051.763+/-0.788 χ^2/NDF: 2103420.5/46

All: 6022.738+/-0.551 χ^2/NDF: 5026745.2/97

- sign 5994.908+/-0.772 χ^2/NDF: 2920667.6/50

diff_bpm1X_mean vs Slug



Right In: -12.043+/-4.608 χ^2/NDF: 24.8/21

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

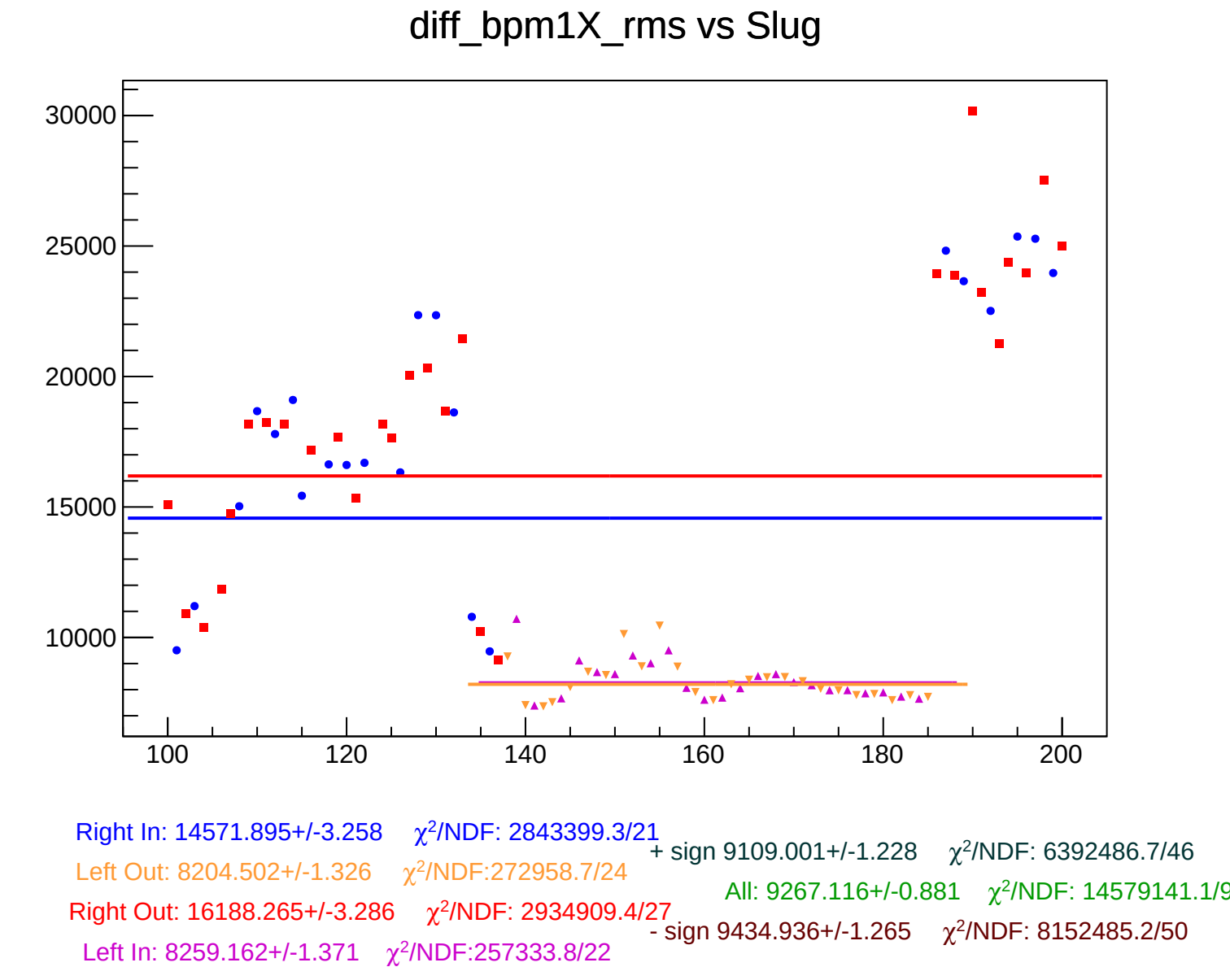
Right Out: -11.910+/-4.647 χ^2/NDF: 20.1/27

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

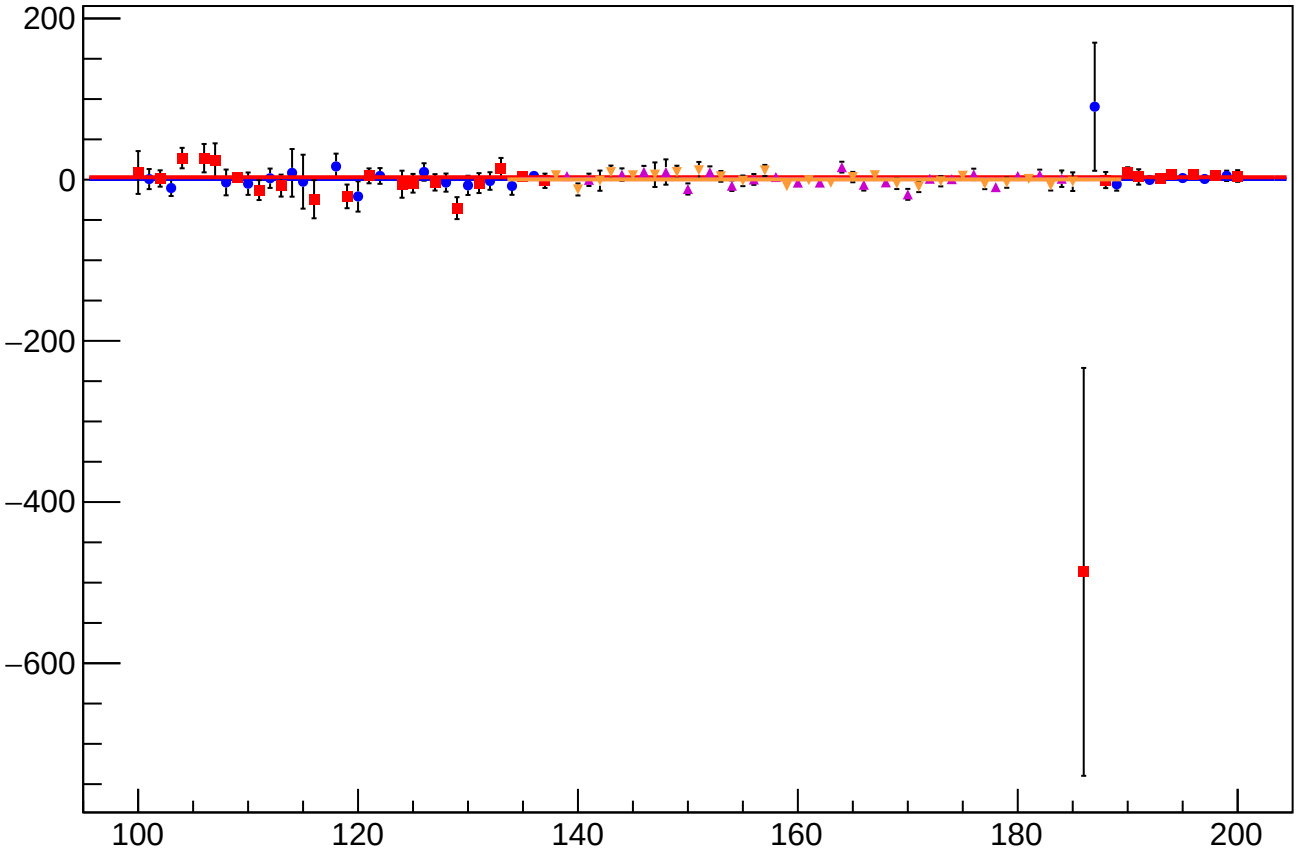
+ sign -9.132+/-1.737 χ^2/NDF: 88.3/46

All: -5.800+/-1.246 χ^2/NDF: 149.6/97

- sign -2.263+/-1.789 χ^2/NDF: 53.7/50


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14571.895+/-3.258 χ²/NDF: 2843399.3/21
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16188.265+/-3.286 χ²/NDF: 2934909.4/27
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 9109.001+/-1.228 χ²/NDF: 6392486.7/46
All: 9267.116+/-0.881 χ²/NDF: 14579141.1/9
- sign 9434.936+/-1.265 χ²/NDF: 8152485.2/50

diff_bpm1Y_mean vs Slug



Right In: 0.869+/-1.857 χ^2/NDF: 9.3/21

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.015+/-1.634 χ^2/NDF: 28.6/27

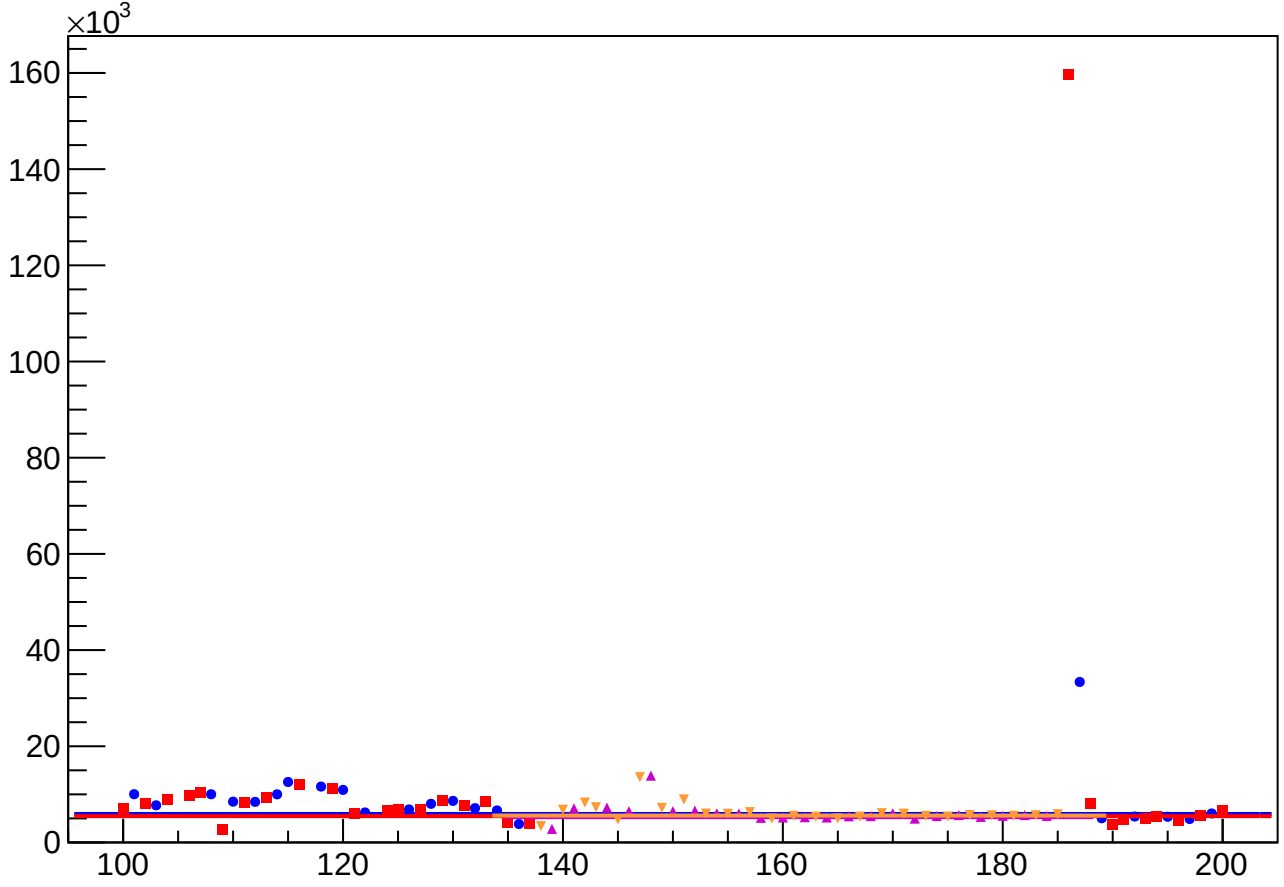
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.526+/-1.077 χ^2/NDF: 30.8/46

All: 1.093+/-0.738 χ^2/NDF: 91.1/97

- sign 1.595+/-1.013 χ^2/NDF: 59.8/50

diff_bpm1Y_rms vs Slug



Right In: 5920.194+/-1.313 χ^2/NDF: 2209168.2/21

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

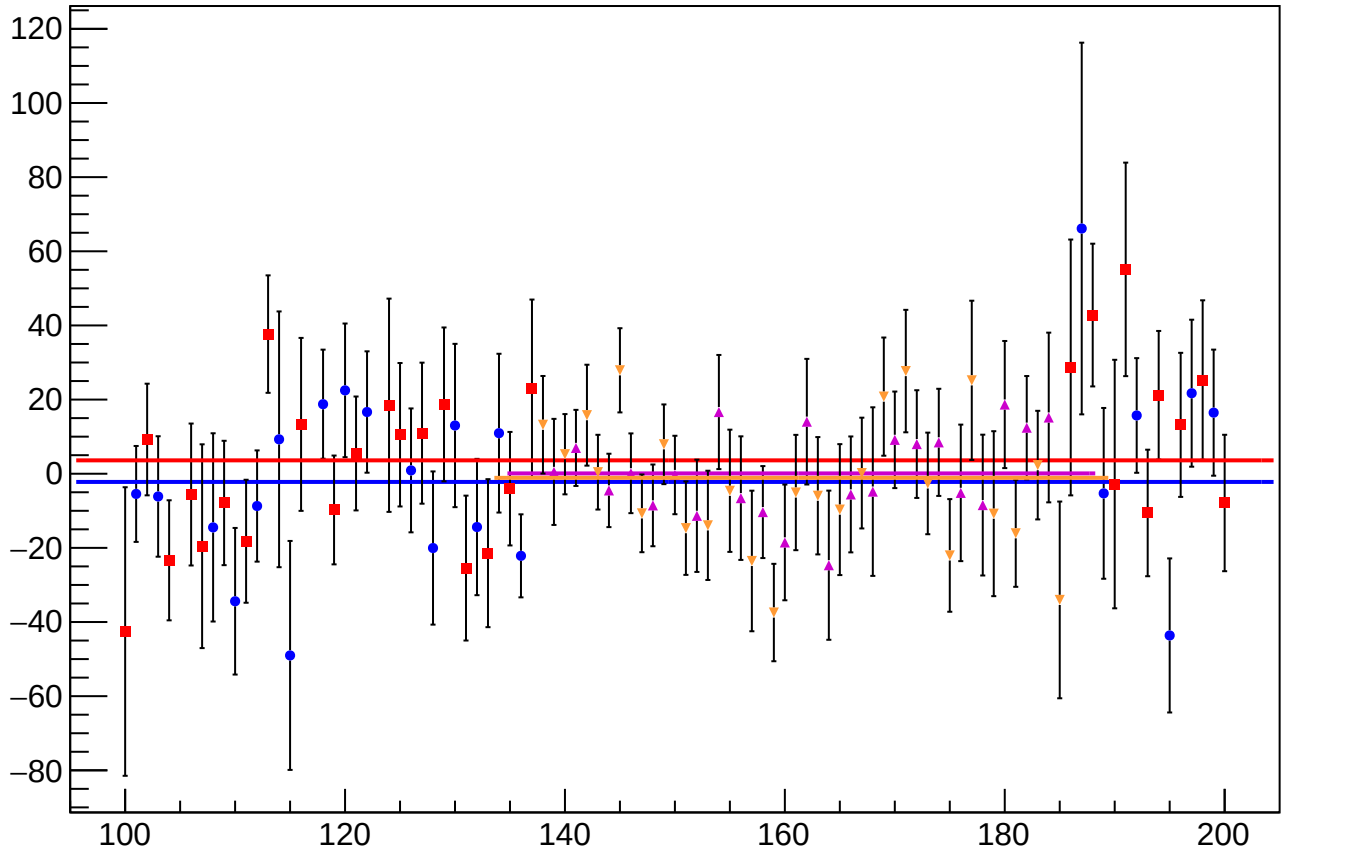
Right Out: 5470.625+/-1.156 χ^2/NDF: 3734972.7/27

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5703.967+/-0.761 χ^2/NDF: 4034249.0/46

All: 5512.296+/-0.522 χ^2/NDF: 10334190.7/9

- sign 5342.647+/-0.716 χ^2/NDF: 6180500.0/50



Right In: -2.213+/-3.849 χ^2/NDF: 25.9/21

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

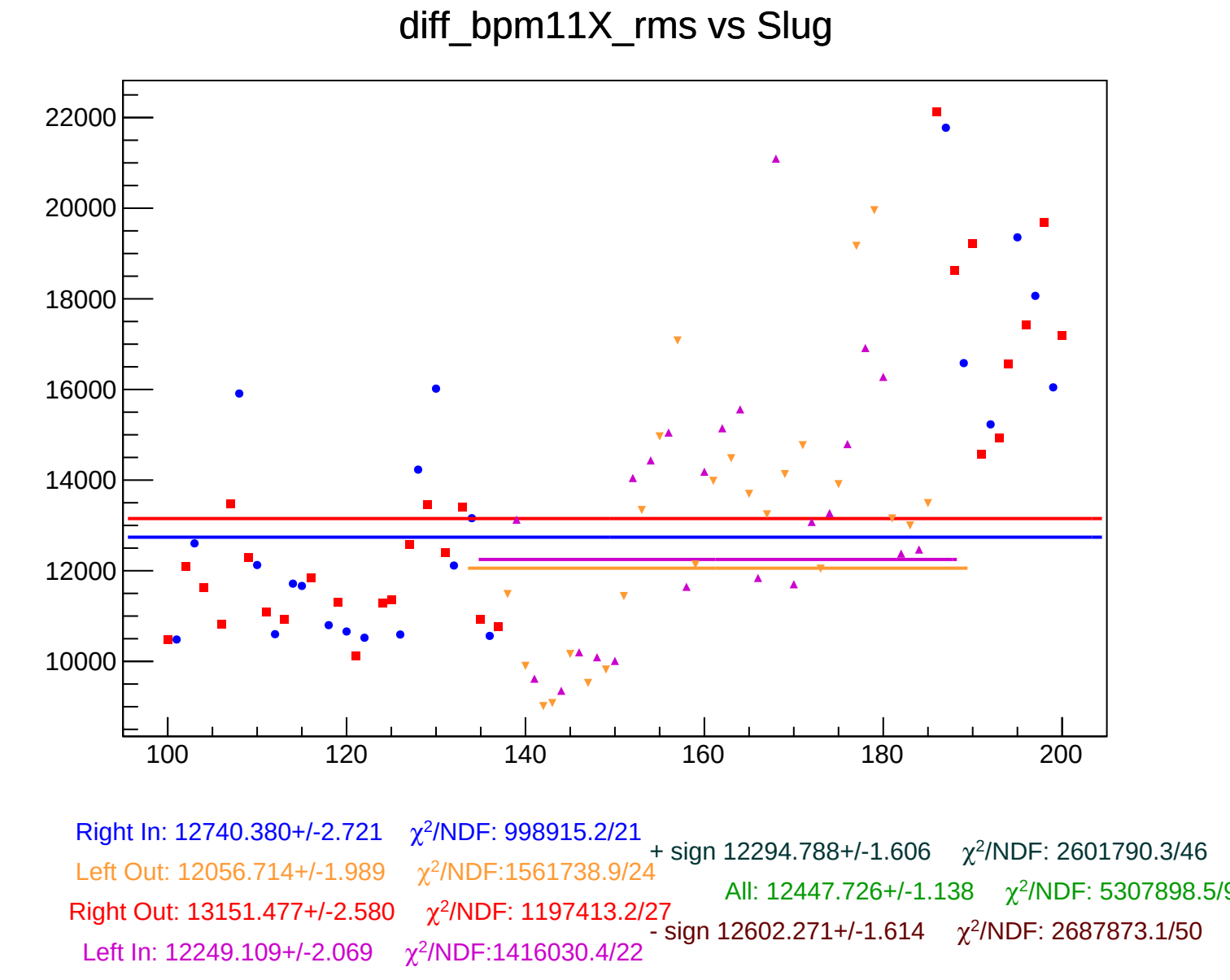
Right Out: 3.607+/-3.649 χ^2/NDF: 30.1/27

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

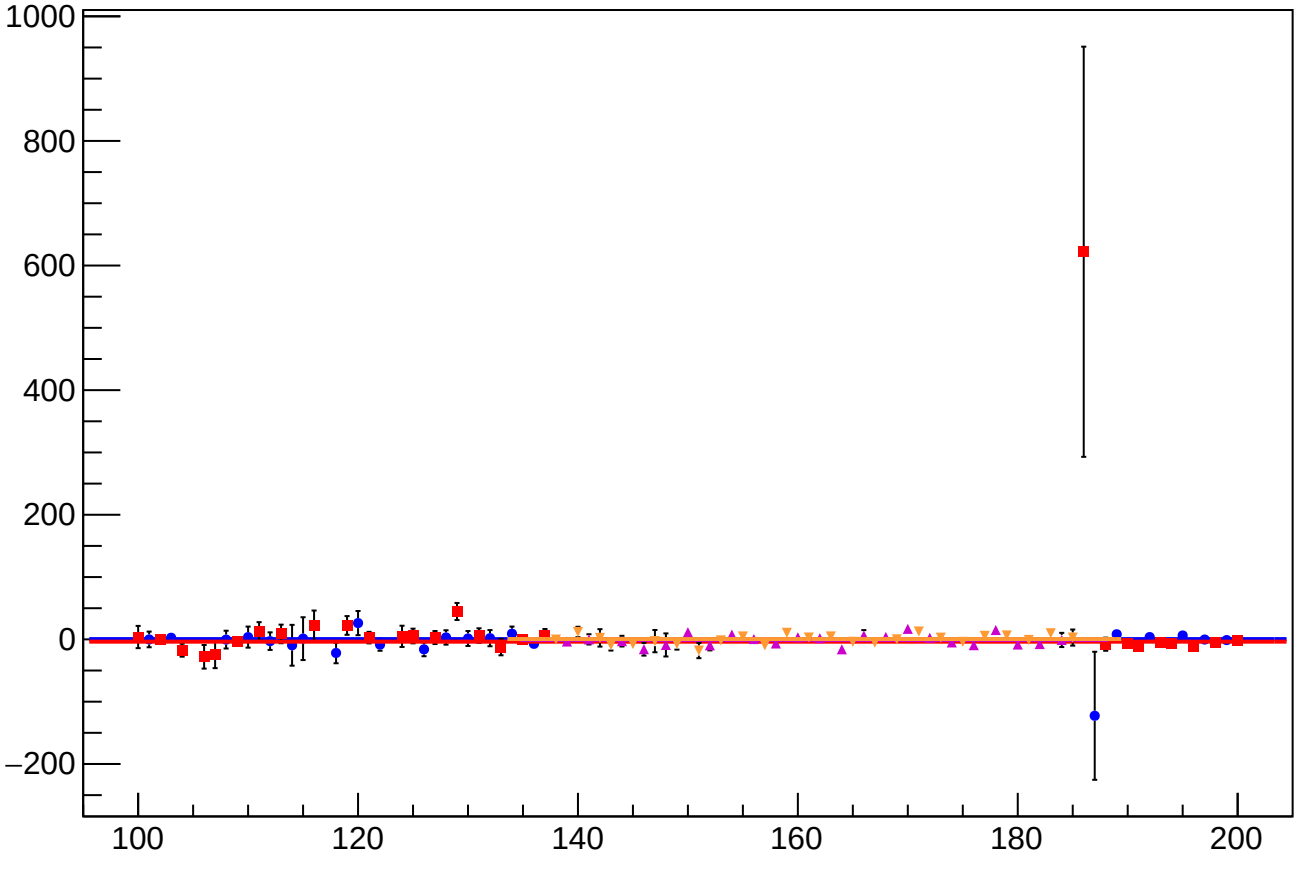
+ sign -1.495+/-2.271 χ^2/NDF: 59.8/46

All: -0.023+/-1.610 χ^2/NDF: 102.8/97

- sign 1.463+/-2.283 χ^2/NDF: 42.2/50


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12740.380+/-2.721 χ²/NDF: 998915.2/21
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13151.477+/-2.580 χ²/NDF: 1197413.2/27
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12294.788+/-1.606 χ²/NDF: 2601790.3/46
All: 12447.726+/-1.138 χ²/NDF: 5307898.5/9
- sign 12602.271+/-1.614 χ²/NDF: 2687873.1/50

diff_bpm11Y_mean vs Slug



Right In: 0.424+/-1.711 χ^2/NDF: 15.1/21

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.684+/-1.499 χ^2/NDF: 36.4/27

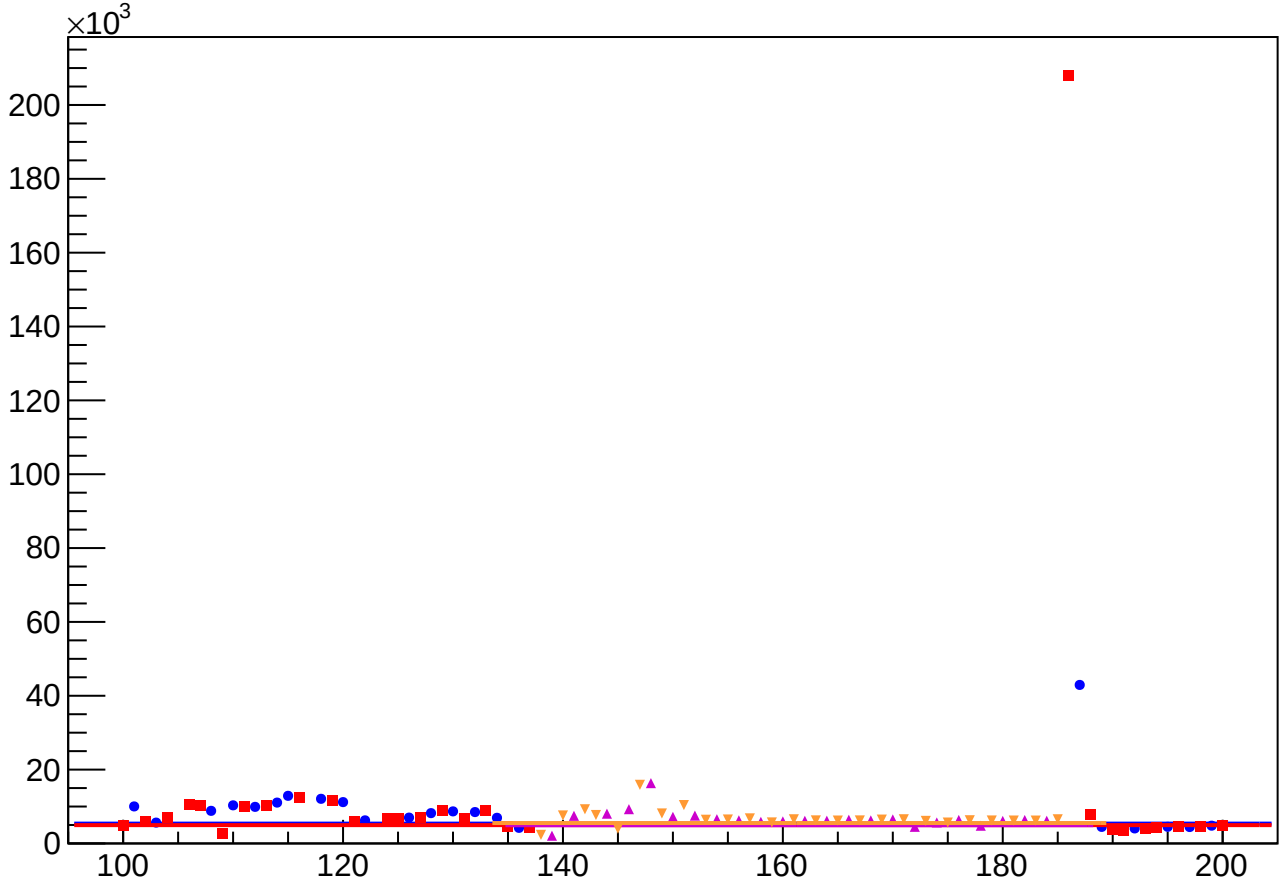
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.486+/-1.069 χ^2/NDF: 36.5/46

All: -0.928+/-0.722 χ^2/NDF: 110.3/97

- sign -2.115+/-0.980 χ^2/NDF: 70.5/50

diff_bpm11Y_rms vs Slug



Right In: 5372.032+/-1.210 χ^2/NDF: 2708485.5/21

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

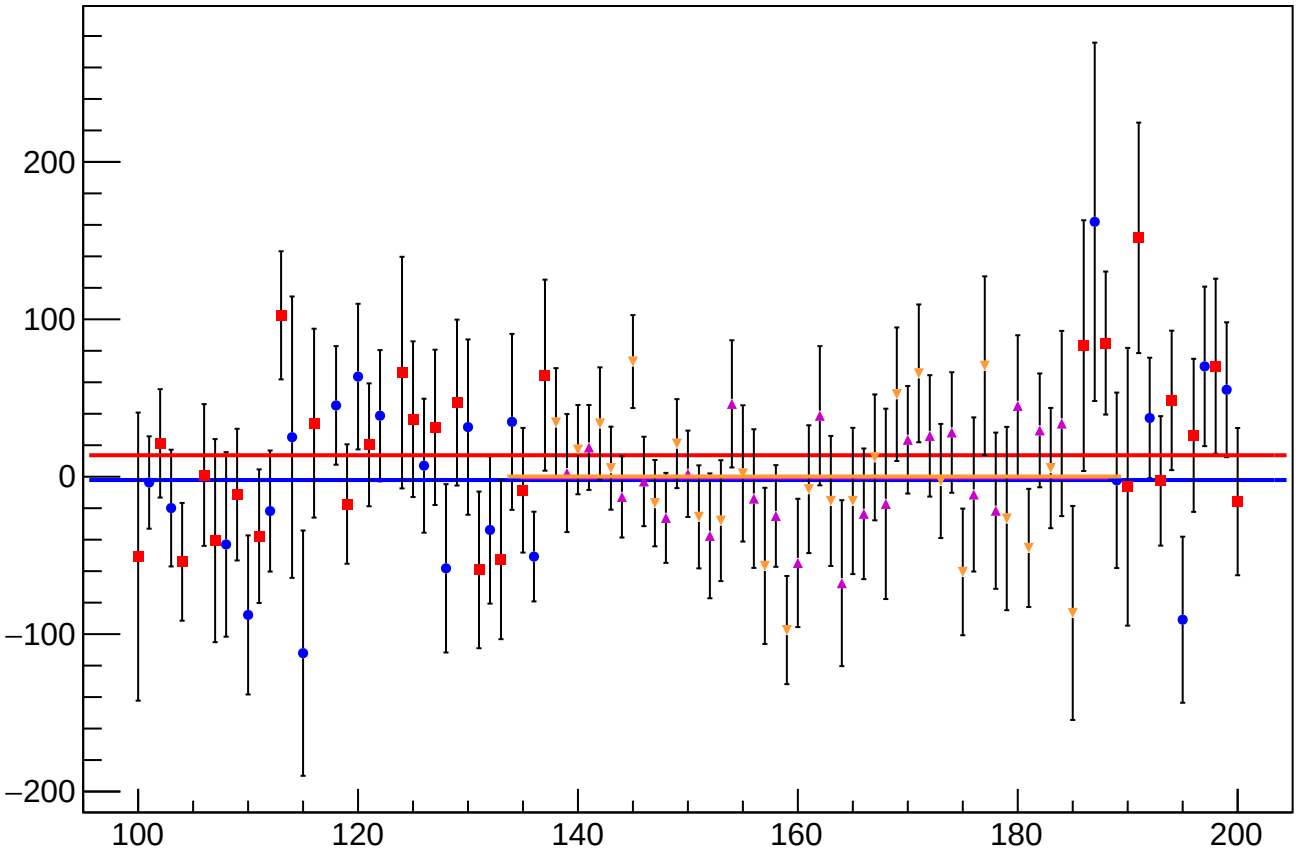
Right Out: 4962.853+/-1.060 χ^2/NDF: 3687587.6/27

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

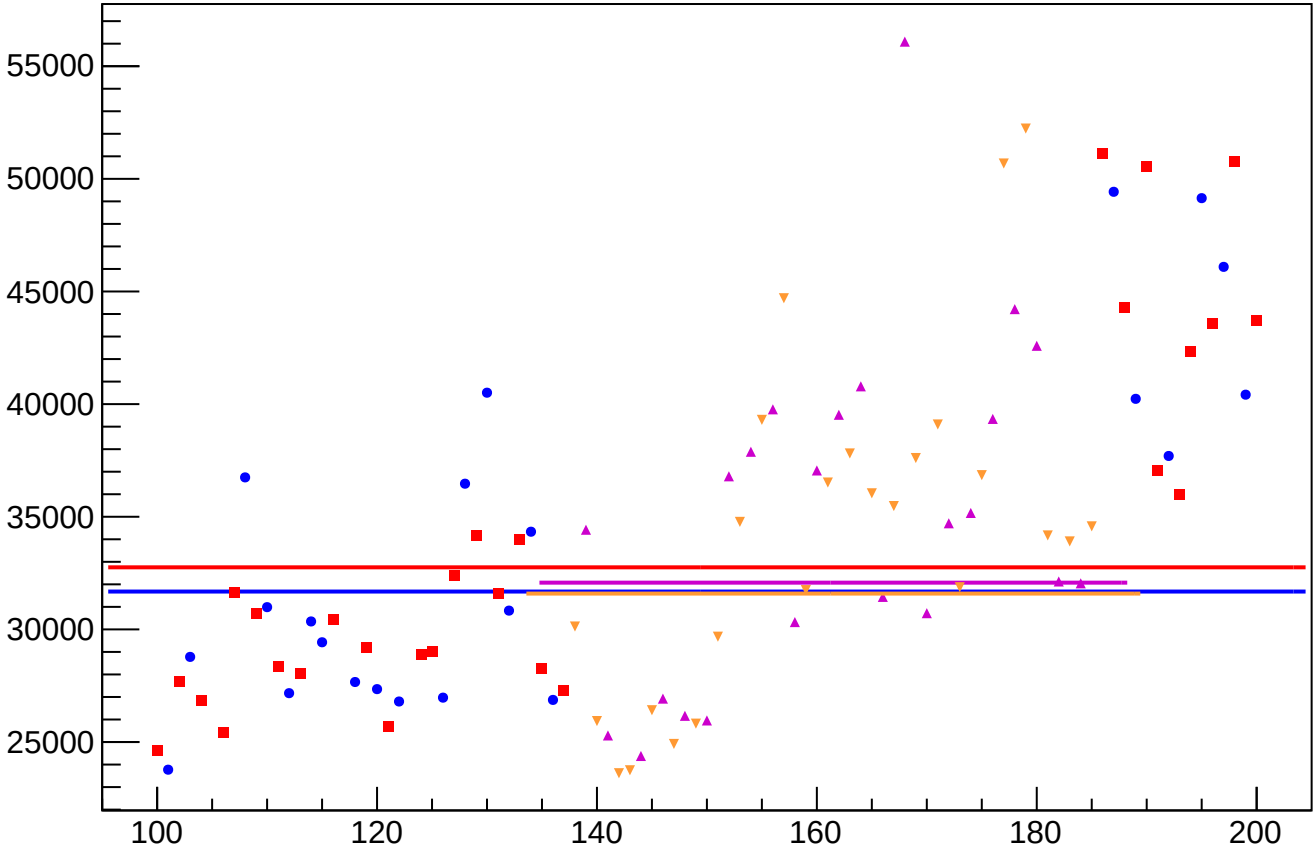
+ sign 5467.135+/-0.756 χ^2/NDF: 7094335.1/46

All: 5186.597+/-0.511 χ^2/NDF: 16971764.1/9

- sign 4950.900+/-0.693 χ^2/NDF: 9623917.6/50


diff_bpm12X_mean vs Slug
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -2.105+/-9.582 χ²/NDF: 25.6/21
Left Out: 0.168+/-7.375 χ²/NDF:31.1/24
Right Out: 13.652+/-9.090 χ²/NDF: 27.3/27
Left In: -0.586+/-7.667 χ²/NDF:12.8/22
+ sign -0.678+/-5.844 χ²/NDF: 56.8/46
All: 2.319+/-4.138 χ²/NDF: 98.8/97
- sign 5.332+/-5.861 χ²/NDF: 41.5/50

diff_bpm12X_rms vs Slug



Right In: 31680.300+/-6.776 χ^2/NDF: 1032271.3/21

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 32755.189+/-6.428 χ^2/NDF: 1210721.1/27

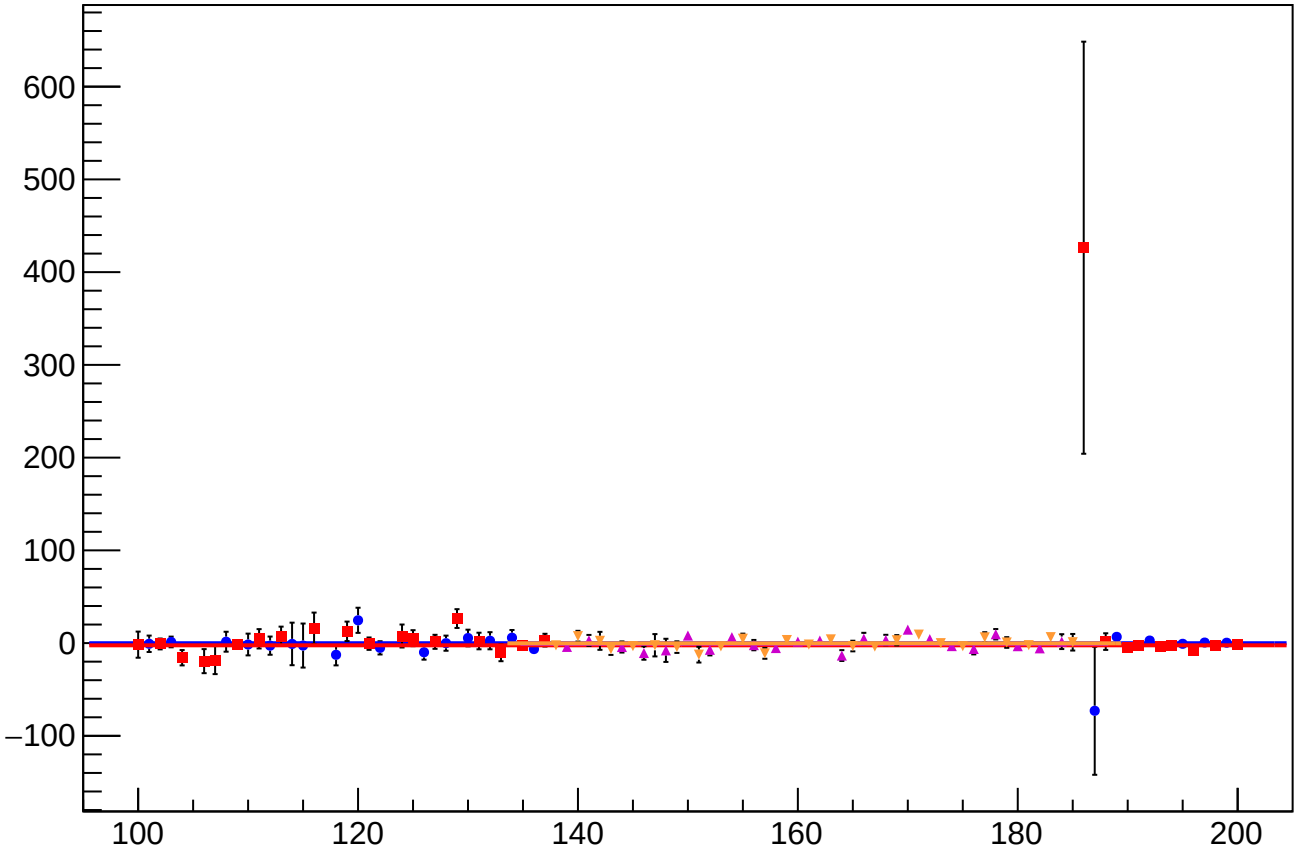
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31623.491+/-4.133 χ^2/NDF: 2623251.0/46

All: 31989.598+/-2.926 χ^2/NDF: 5311969.4/9

- sign 32357.772+/-4.144 χ^2/NDF: 2672977.4/50

diff_bpm12Y_mean vs Slug



Right In: -0.133+/-1.188 χ^2/NDF: 15.7/21

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.377+/-1.084 χ^2/NDF: 28.8/27

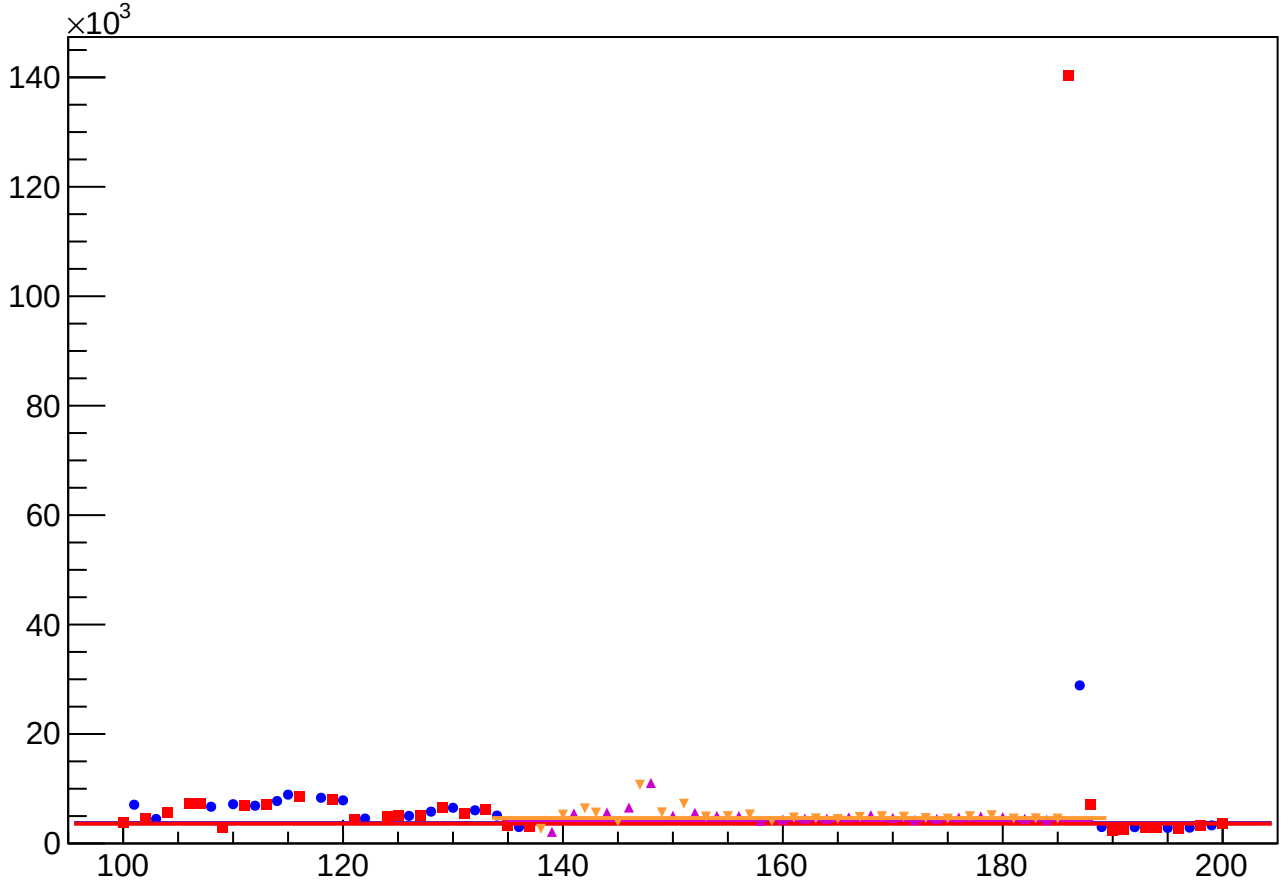
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.183+/-0.805 χ^2/NDF: 35.5/46

All: -0.916+/-0.552 χ^2/NDF: 100.8/97

- sign -1.566+/-0.758 χ^2/NDF: 63.7/50

diff_bpm12Y_rms vs Slug



Right In: 3706.285+/-0.840 χ^2/NDF: 2985124.7/21

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3618.319+/-0.766 χ^2/NDF: 3721656.3/27

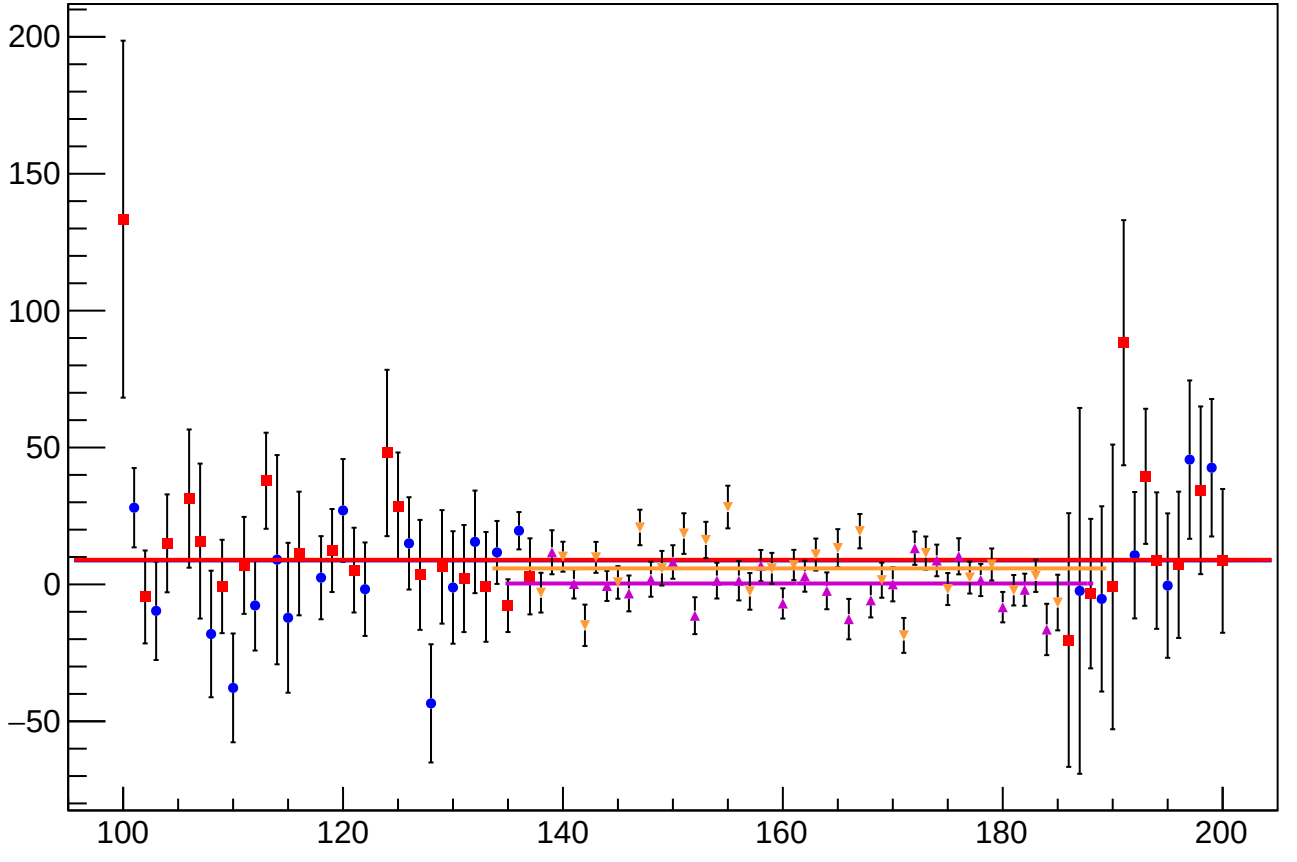
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4210.339+/-0.569 χ^2/NDF: 5412803.8/46

All: 4079.765+/-0.390 χ^2/NDF: 12727784.6/9

- sign 3963.961+/-0.536 χ^2/NDF: 7215660.4/50

diff_bpm16X_mean vs Slug



Right In: 8.768+/-3.634 χ^2/NDF: 25.5/21

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.982+/-3.797 χ^2/NDF: 20.7/27

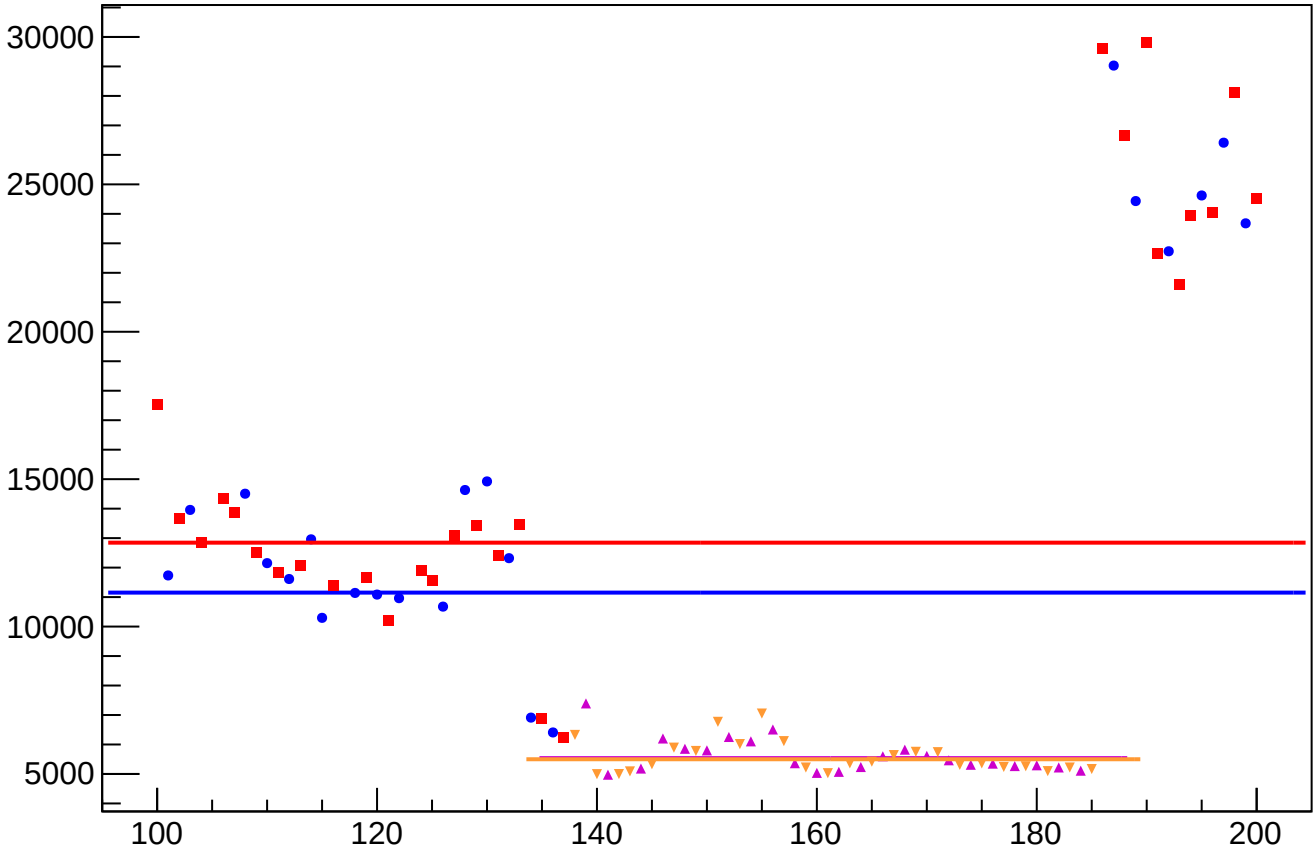
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.161+/-1.188 χ^2/NDF: 86.1/46

All: 3.789+/-0.855 χ^2/NDF: 149.0/97

- sign 1.245+/-1.231 χ^2/NDF: 54.7/50

diff_bpm16X_rms vs Slug



Right In: 11151.978+/-2.570 χ^2/NDF: 4006575.4/21

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12846.174+/-2.685 χ^2/NDF: 4321001.9/27

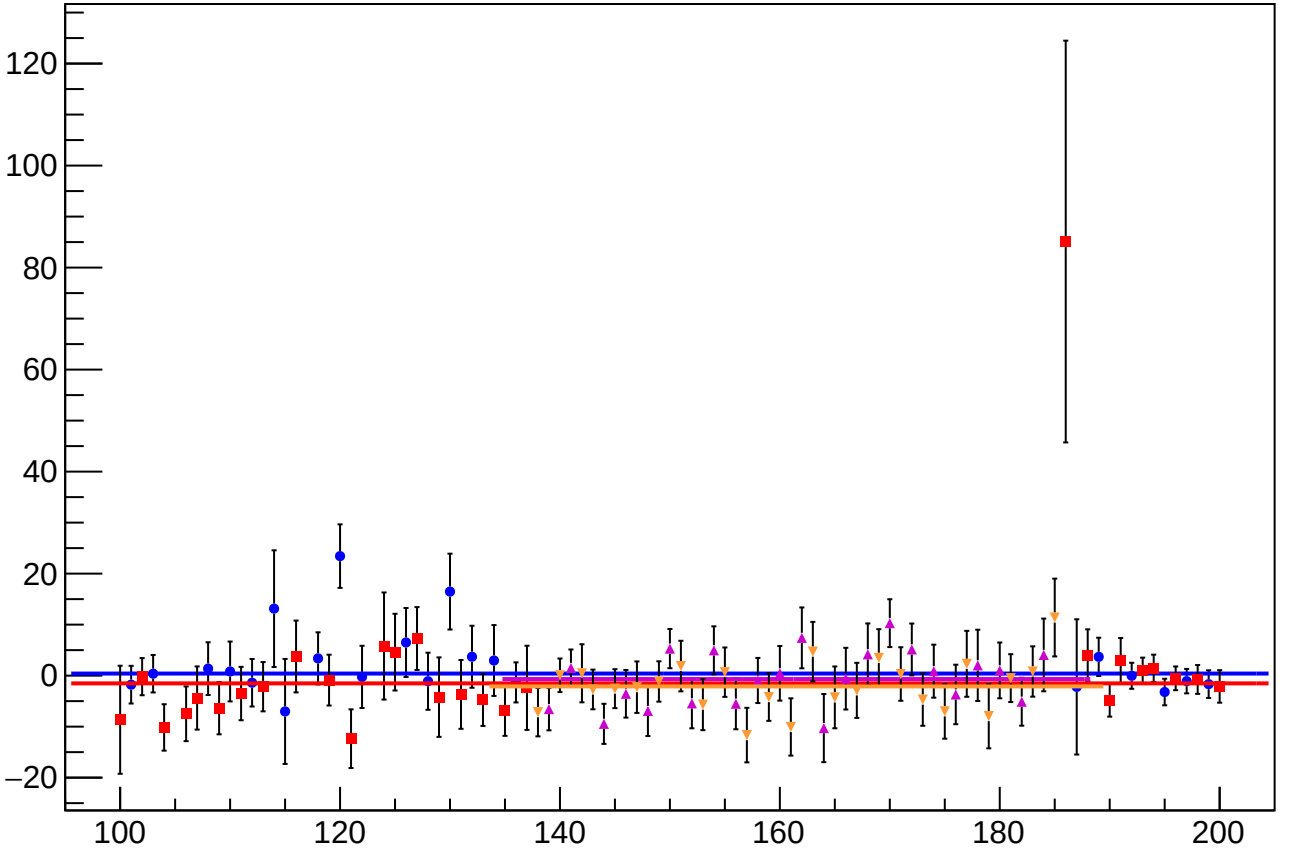
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6103.665+/-0.840 χ^2/NDF: 8626460.9/46

All: 6200.984+/-0.604 χ^2/NDF: 19910121.0/9

- sign 6305.356+/-0.870 χ^2/NDF: 11255857.9/50

diff_bpm16Y_mean vs Slug



Right In: 0.408+/-0.898 χ^2/NDF: 26.2/21

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

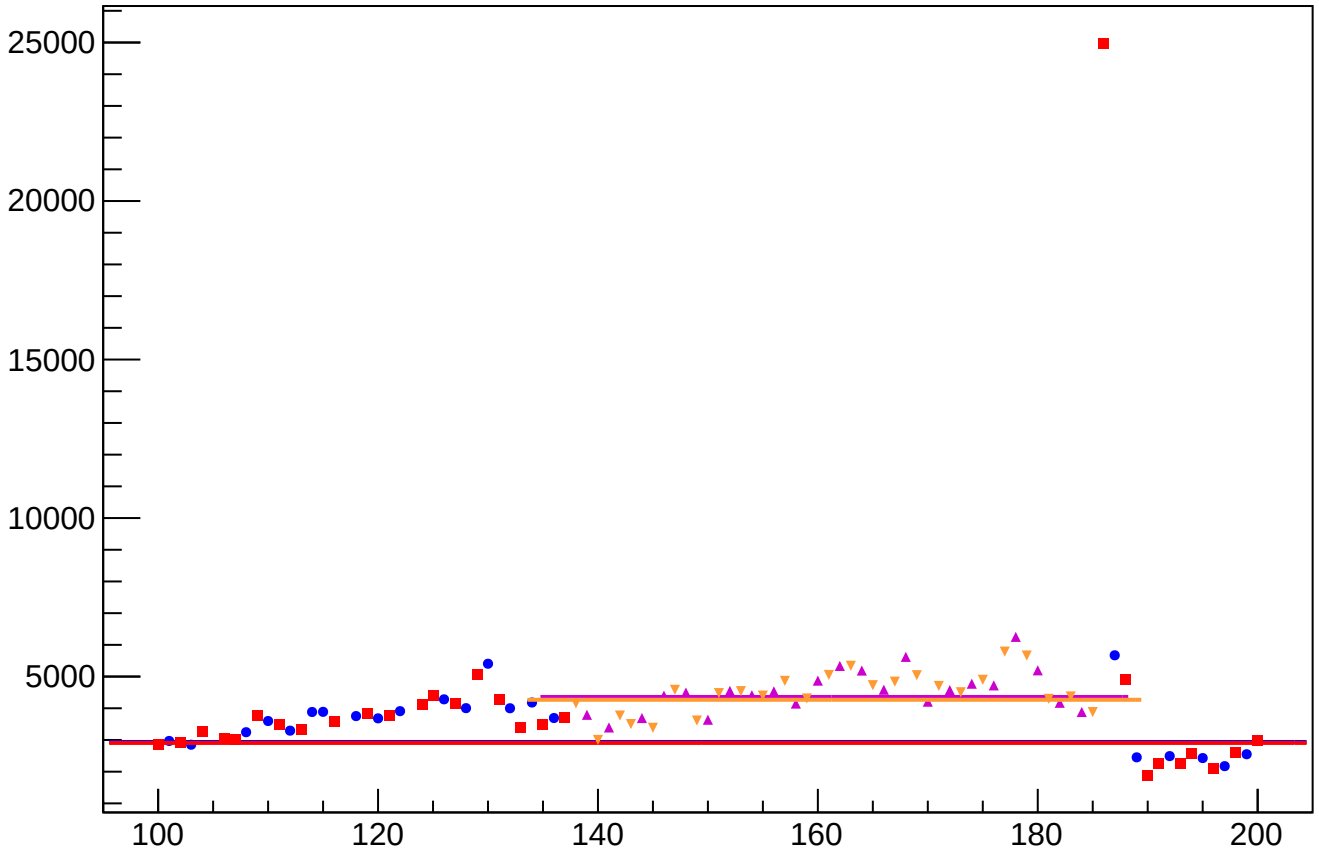
Right Out: -1.518+/-0.825 χ^2/NDF: 26.3/27

Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.734+/-0.664 χ^2/NDF: 47.3/46

All: -0.968+/-0.462 χ^2/NDF: 102.6/97

- sign -1.187+/-0.644 χ^2/NDF: 55.1/50



Right In: 2936.773+/-0.635 χ^2/NDF: 1277561.4/21

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2906.607+/-0.583 χ^2/NDF: 2358113.2/27

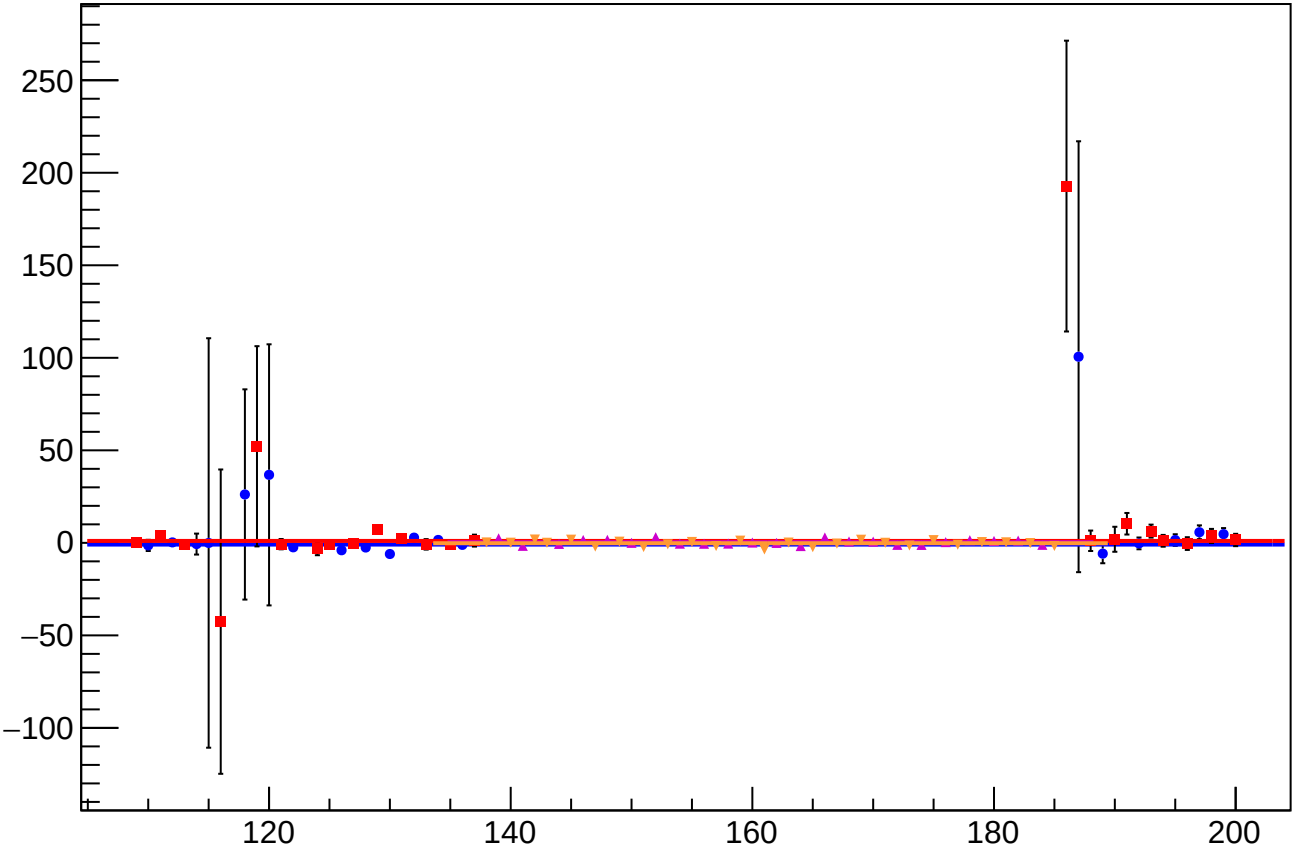
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3539.090+/-0.470 χ^2/NDF: 4301723.5/46

All: 3504.540+/-0.327 χ^2/NDF: 9823922.5/97

- sign 3472.066+/-0.455 χ^2/NDF: 5511700.2/50

diff_bpm1p02bX_mean vs Slug



Right In: -0.923+/-0.664 χ^2/NDF: 20.2/18

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.038+/-0.639 χ^2/NDF: 24.6/22

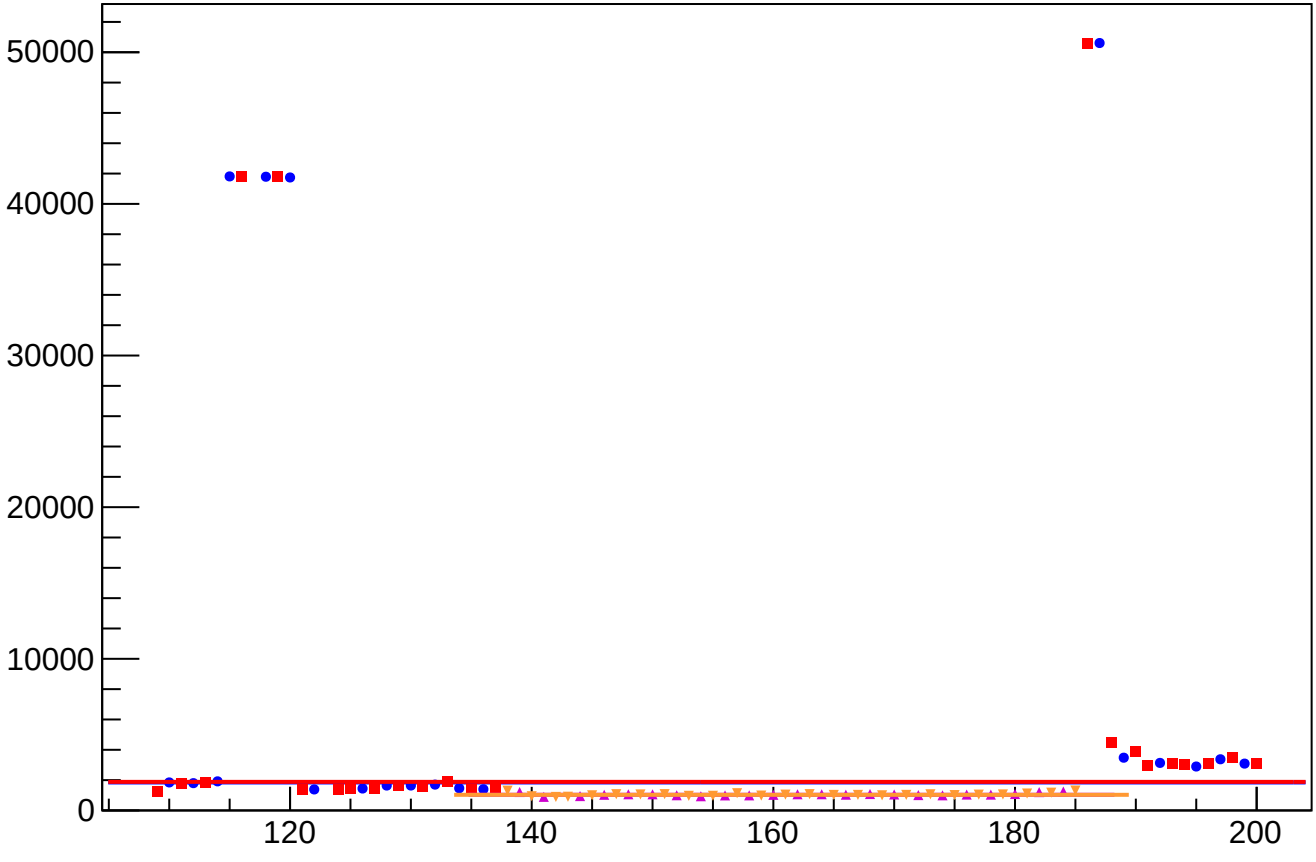
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.282+/-0.222 χ^2/NDF: 55.2/43

All: 0.063+/-0.159 χ^2/NDF: 115.2/89

\- sign 0.422+/-0.226 χ^2/NDF: 55.1/45

diff_bpm1p02bX_rms vs Slug



Right In: 1846.063+/-0.470 χ^2/NDF: 4040592.4/18

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1885.189+/-0.452 χ^2/NDF: 5068015.3/22

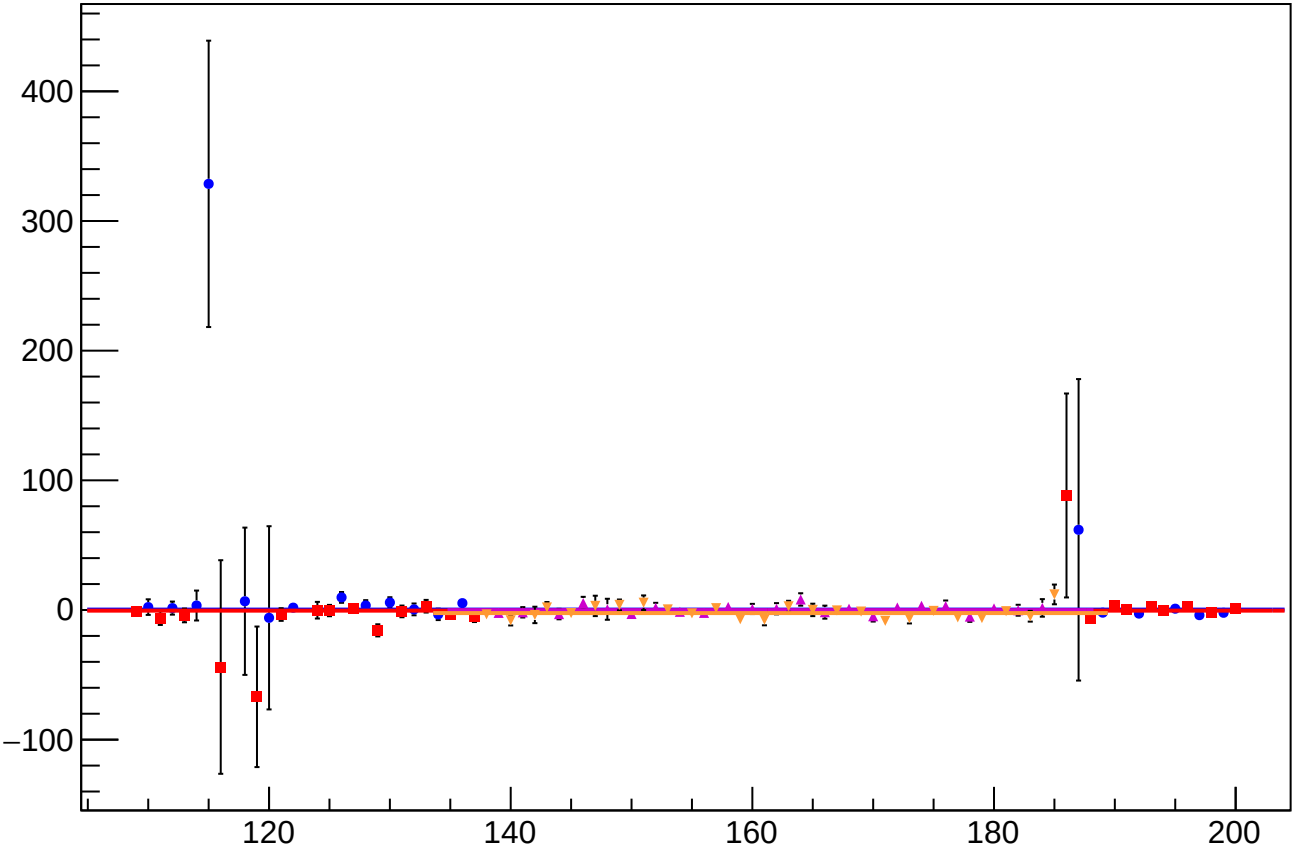
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1122.408+/-0.157 χ^2/NDF: 6955930.9/43

All: 1130.970+/-0.112 χ^2/NDF: 15332894.3/8

- sign 1139.880+/-0.160 χ^2/NDF: 8370890.7/45

diff_bpm1p02bY_mean vs Slug



Right In: 0.302+/-0.784 χ^2/NDF: 31.1/18

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.497+/-0.730 χ^2/NDF: 27.5/22

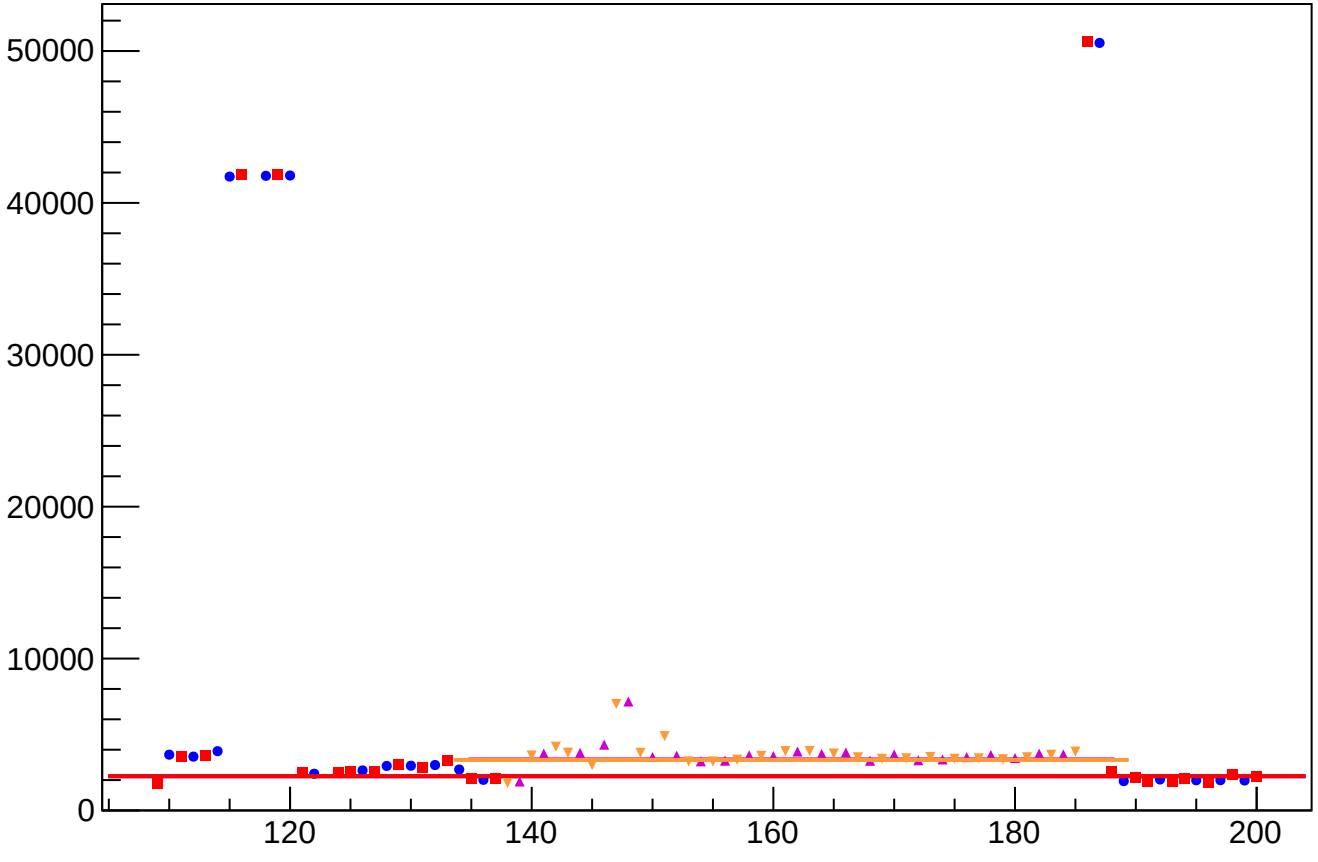
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.042+/-0.554 χ^2/NDF: 61.3/43

All: -0.689+/-0.387 χ^2/NDF: 102.3/89

- sign -0.351+/-0.542 χ^2/NDF: 40.2/45

diff_bpm1p02bY_rms vs Slug



Right In: 2249.638+/-0.554 χ^2/NDF: 2847089.4/18

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2259.094+/-0.516 χ^2/NDF: 2980788.9/22

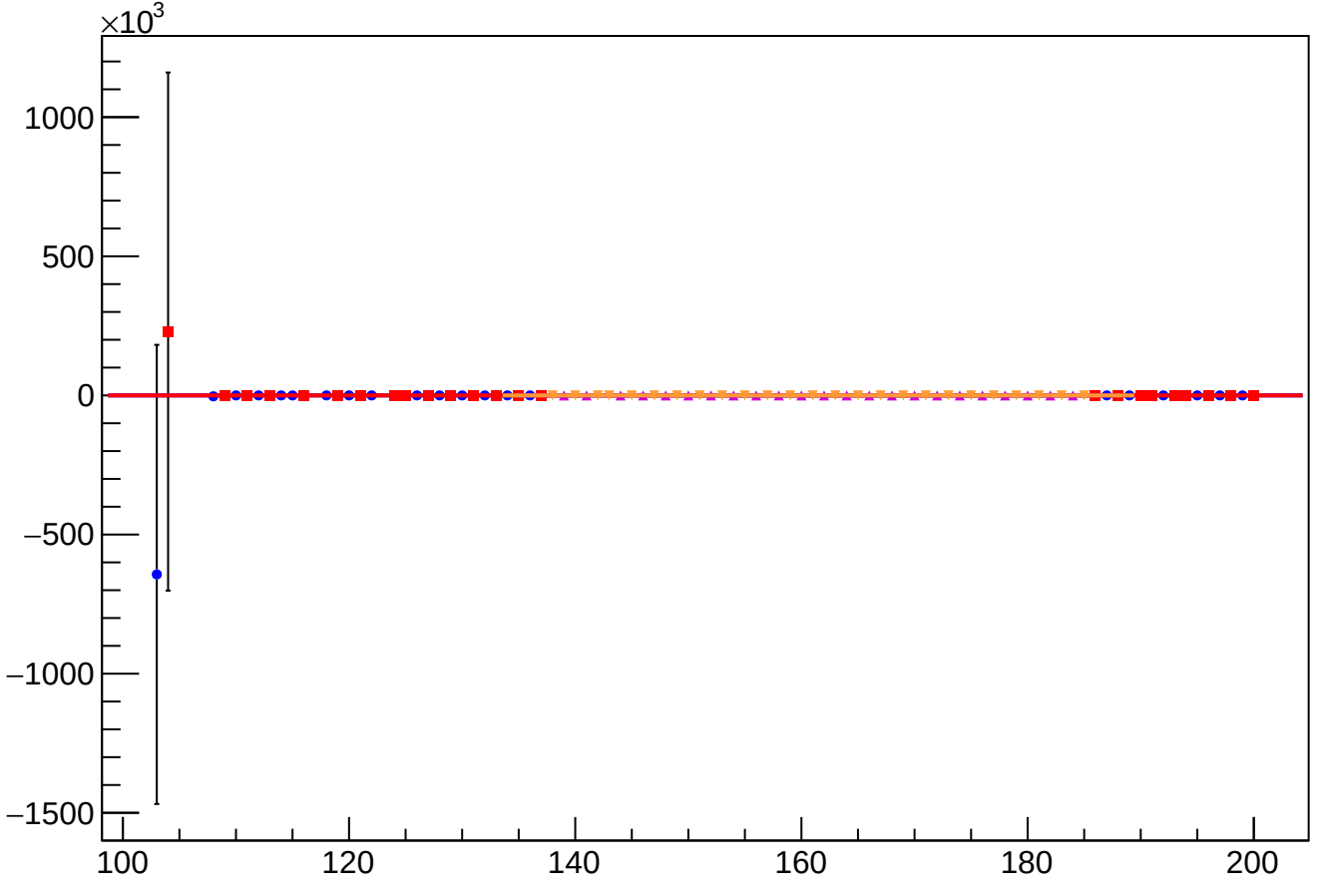
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2790.312+/-0.392 χ^2/NDF: 6659861.8/43

All: 2771.477+/-0.274 χ^2/NDF: 13336352.8/8

- sign 2753.411+/-0.383 χ^2/NDF: 6671957.4/45

diff_bpm1p03aX_mean vs Slug



Right In: -1.533+/-0.758 χ^2/NDF: 22.0/20

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.940+/-0.720 χ^2/NDF: 23.1/23

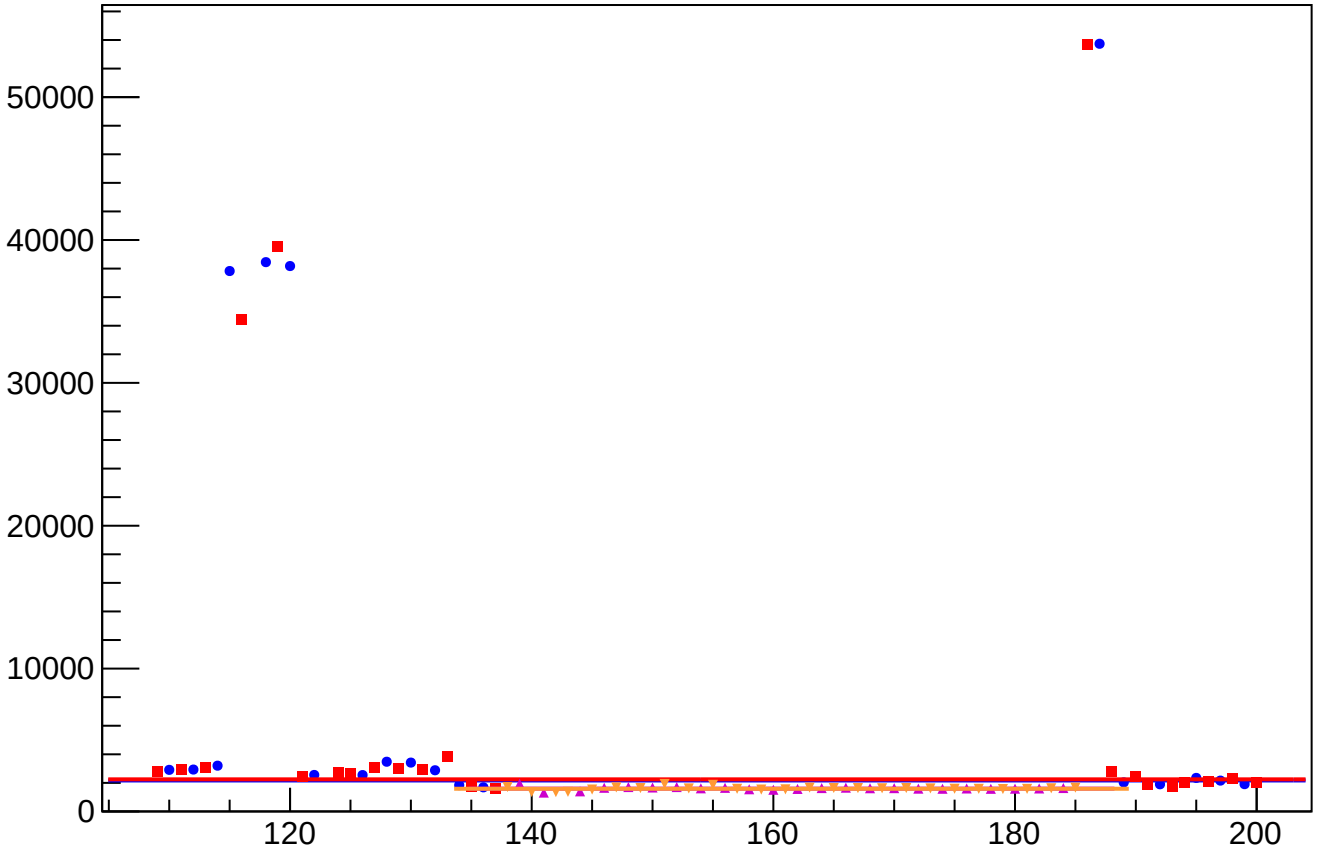
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.565+/-0.327 χ^2/NDF: 72.3/45

All: -0.991+/-0.233 χ^2/NDF: 134.9/92

- sign -0.399+/-0.332 χ^2/NDF: 56.3/46

diff_bpm1p03aX_rms vs Slug



Right In: 2168.996+/-0.536 χ^2/NDF: 2930409.5/18

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2247.662+/-0.509 χ^2/NDF: 3169102.5/22

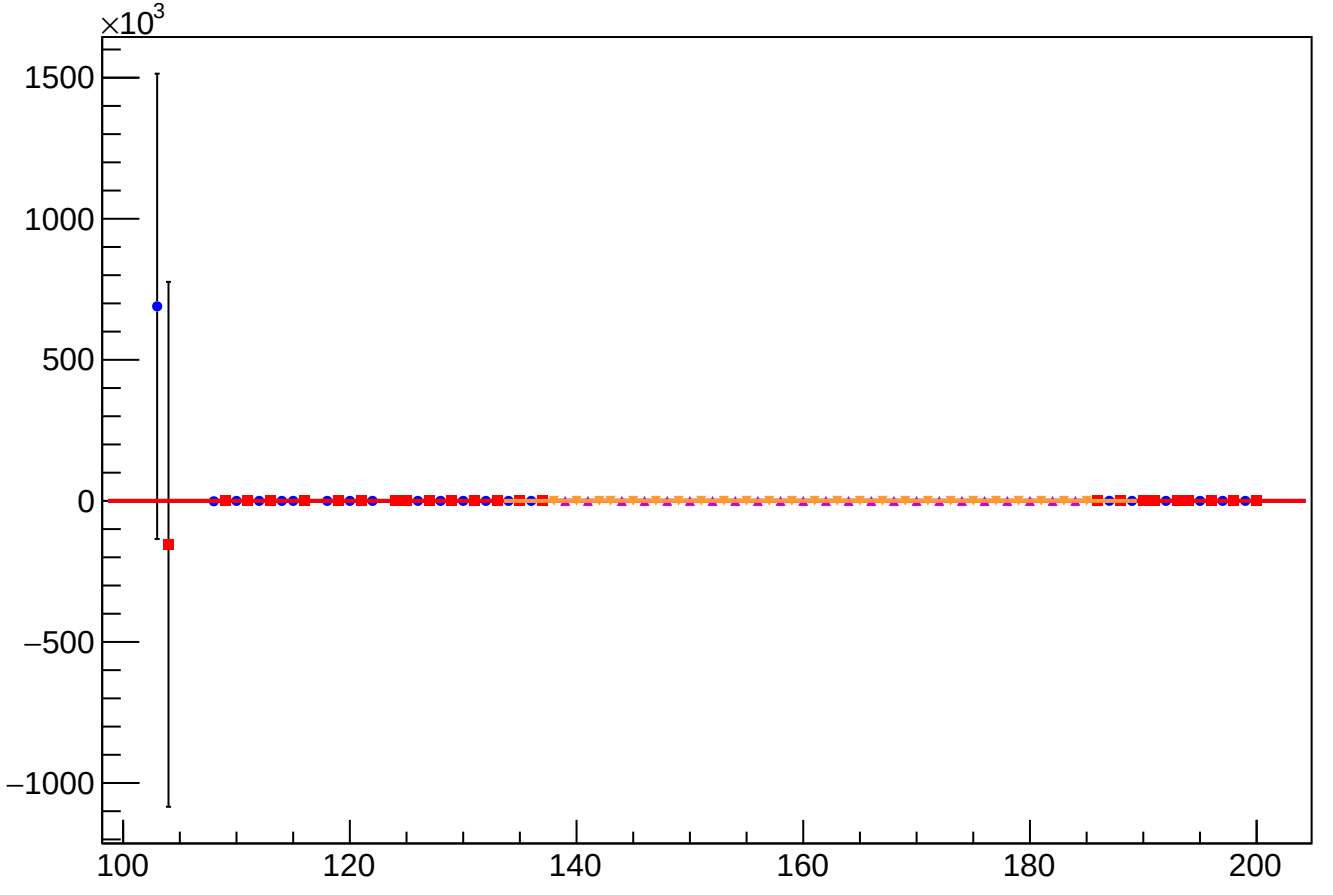
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1697.638+/-0.231 χ^2/NDF: 4114697.2/43

All: 1715.970+/-0.165 χ^2/NDF: 8782085.1/89

- sign 1734.856+/-0.235 χ^2/NDF: 4654649.5/45

diff_bpm1p03aY_mean vs Slug



Right In: 0.352+/-0.653 χ^2/NDF: 13.3/20

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.028+/-0.604 χ^2/NDF: 26.1/23

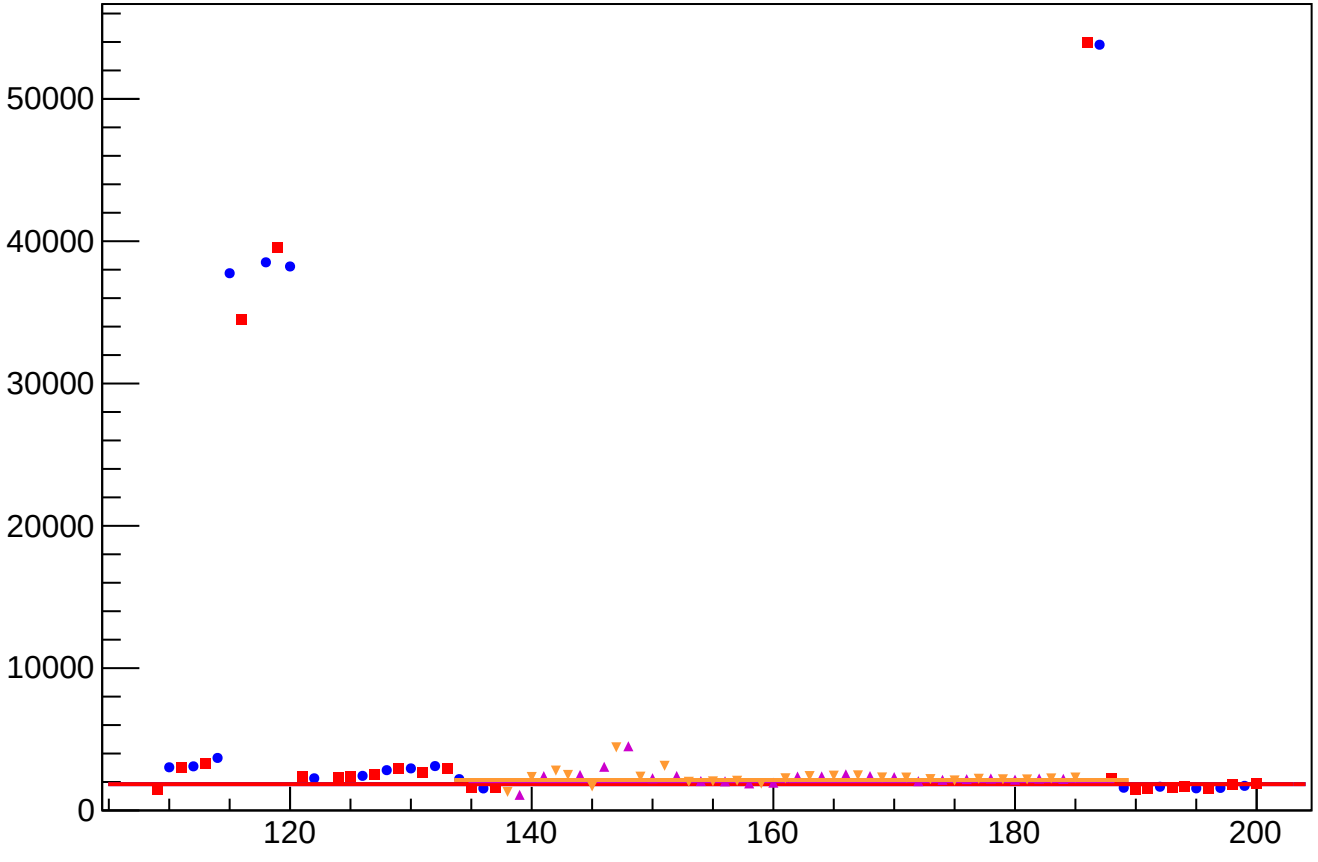
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.610+/-0.398 χ^2/NDF: 41.1/45

All: -0.263+/-0.277 χ^2/NDF: 85.6/92

- sign 0.062+/-0.386 χ^2/NDF: 43.0/46

diff_bpm1p03aY_rms vs Slug



Right In: 1849.201+/-0.462 χ^2/NDF: 3279907.1/18

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1847.565+/-0.427 χ^2/NDF: 3409721.6/22

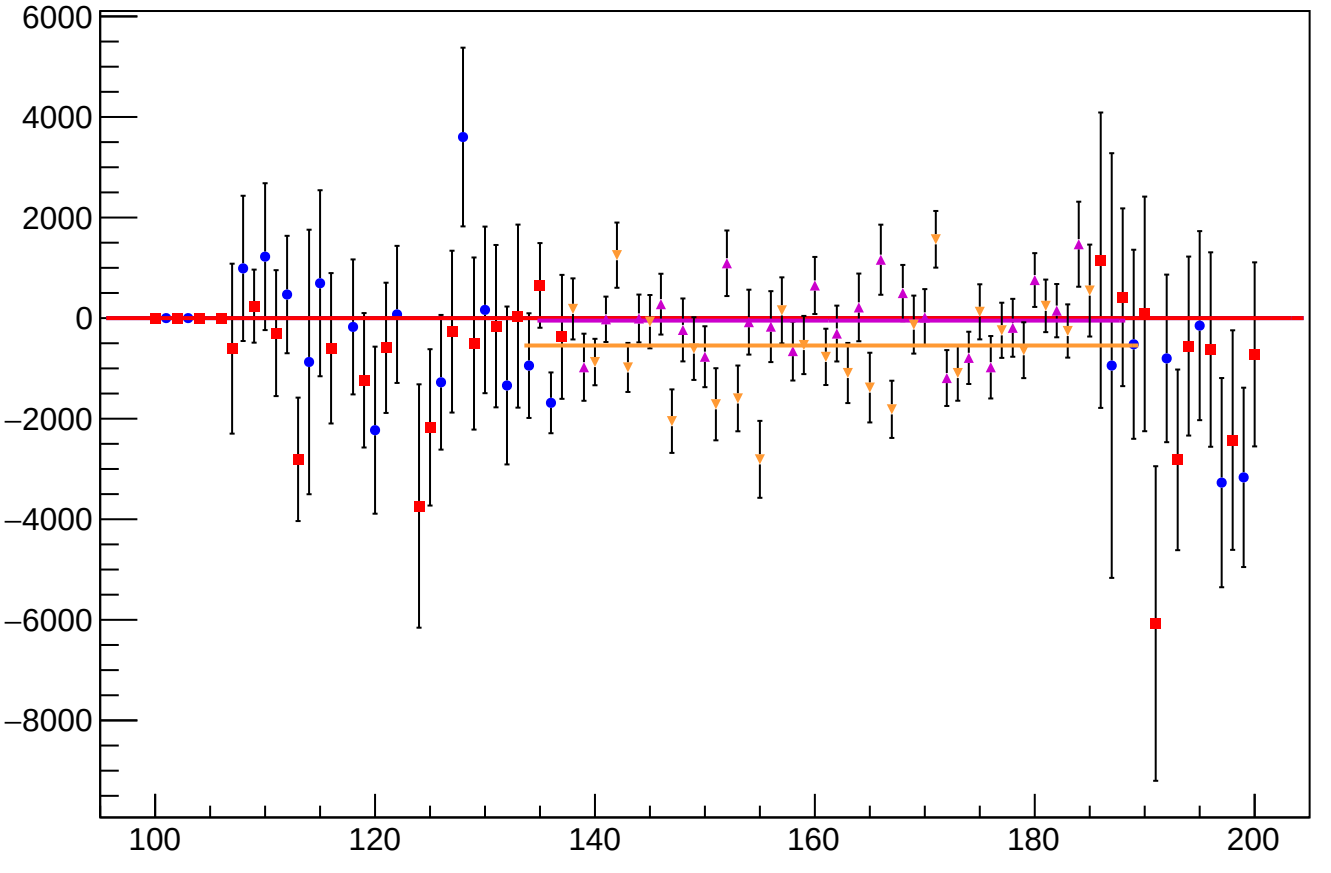
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2031.414+/-0.282 χ^2/NDF: 5007671.7/43

All: 2000.879+/-0.196 χ^2/NDF: 10877929.2/8

- sign 1972.248+/-0.273 χ^2/NDF: 5847476.5/45

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 23.7/21

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

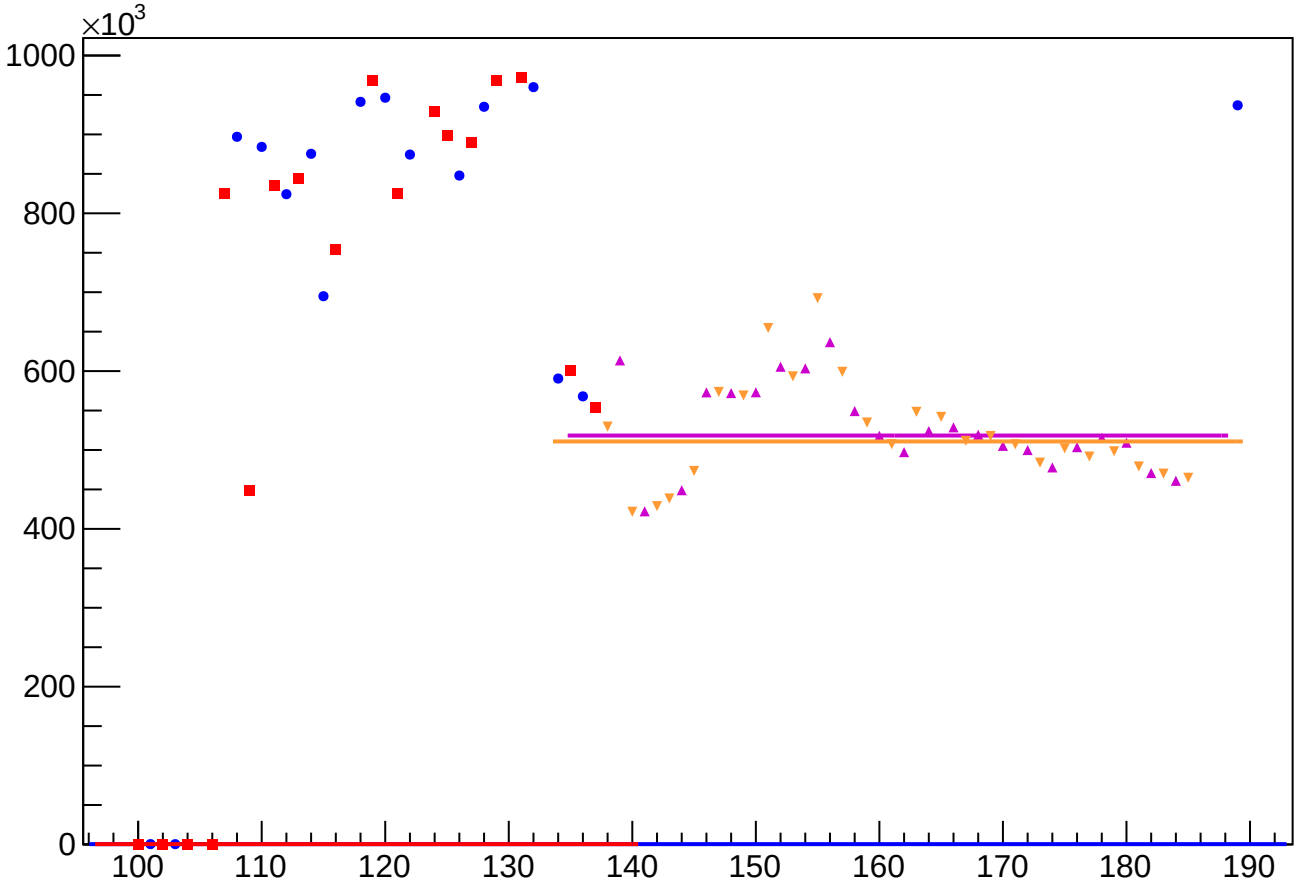
Right Out: 0.096+/-0.328 χ^2/NDF: 23.5/27

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 106.2/46

All: 0.166+/-0.241 χ^2/NDF: 157.9/97

- sign 0.095+/-0.328 χ^2/NDF: 51.6/50



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

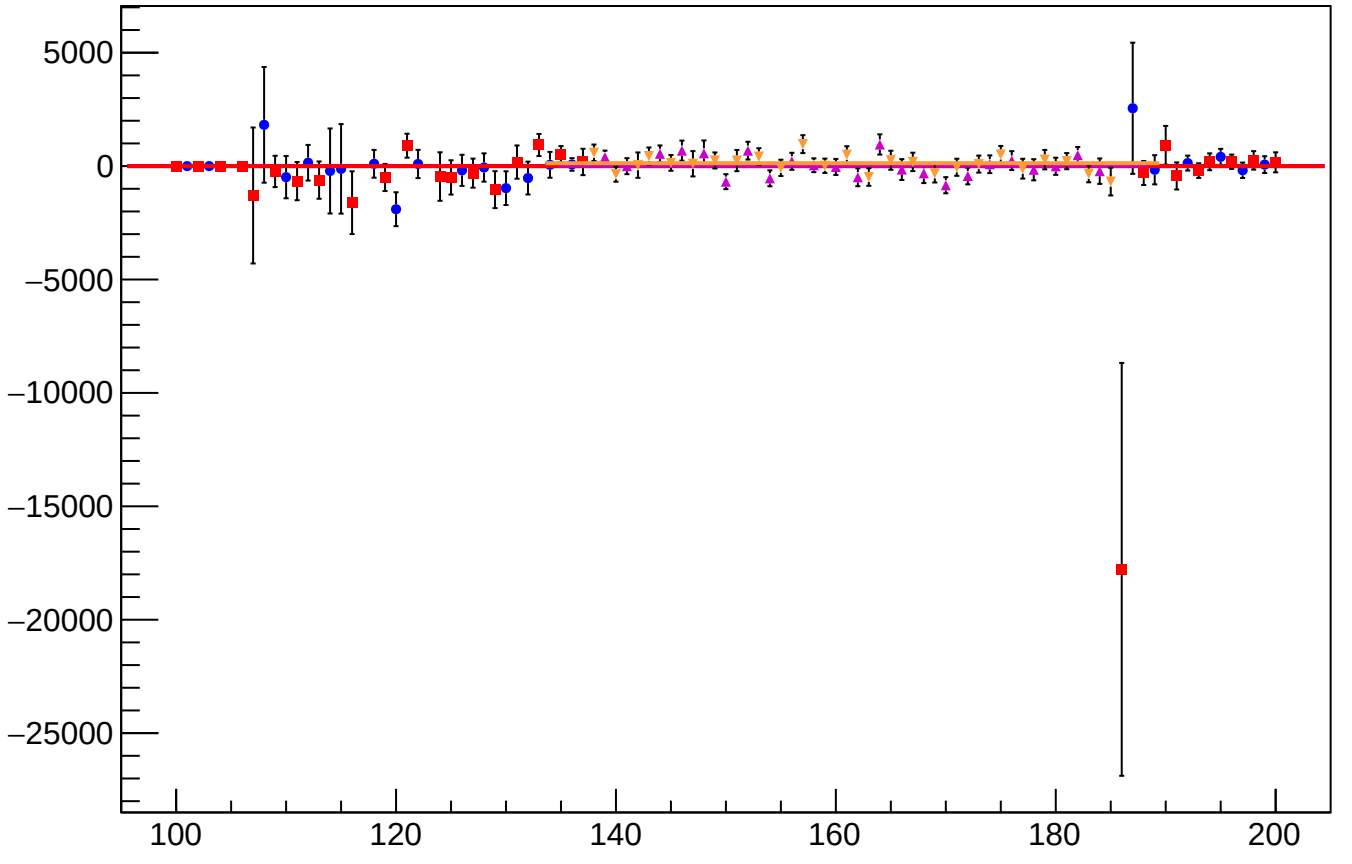
Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40



Right In: -0.020+/-0.347 χ^2/NDF: 13.1/21

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.599+/-0.324 χ^2/NDF: 22.4/27

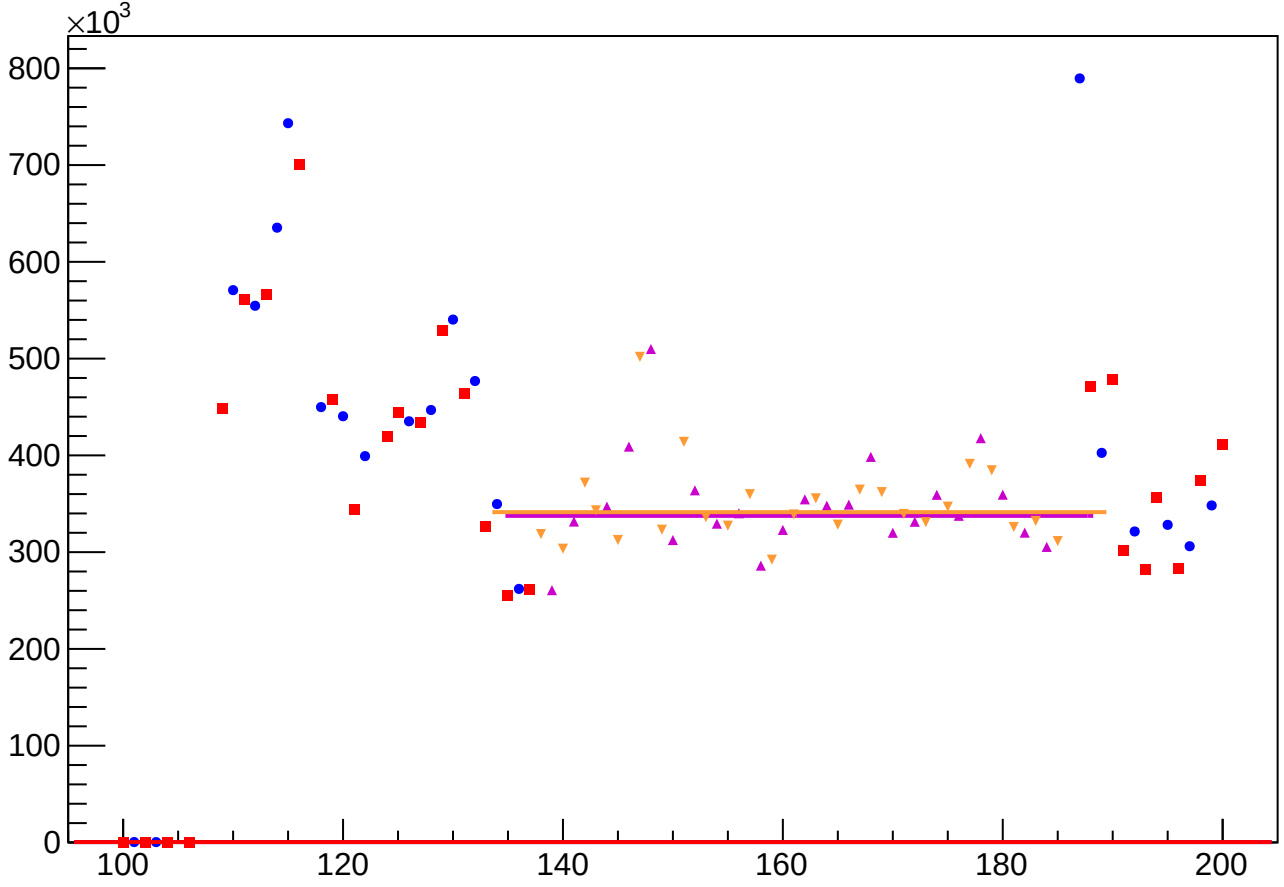
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 36.0/46

All: 0.312+/-0.237 χ^2/NDF: 93.8/97

- sign 0.599+/-0.324 χ^2/NDF: 56.1/50

diff_cav4bY_rms vs Slug



Right In: 391.689+/-0.245 χ^2/NDF: 18929181.4/20

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.620+/-0.229 χ^2/NDF: 22116017.4/25

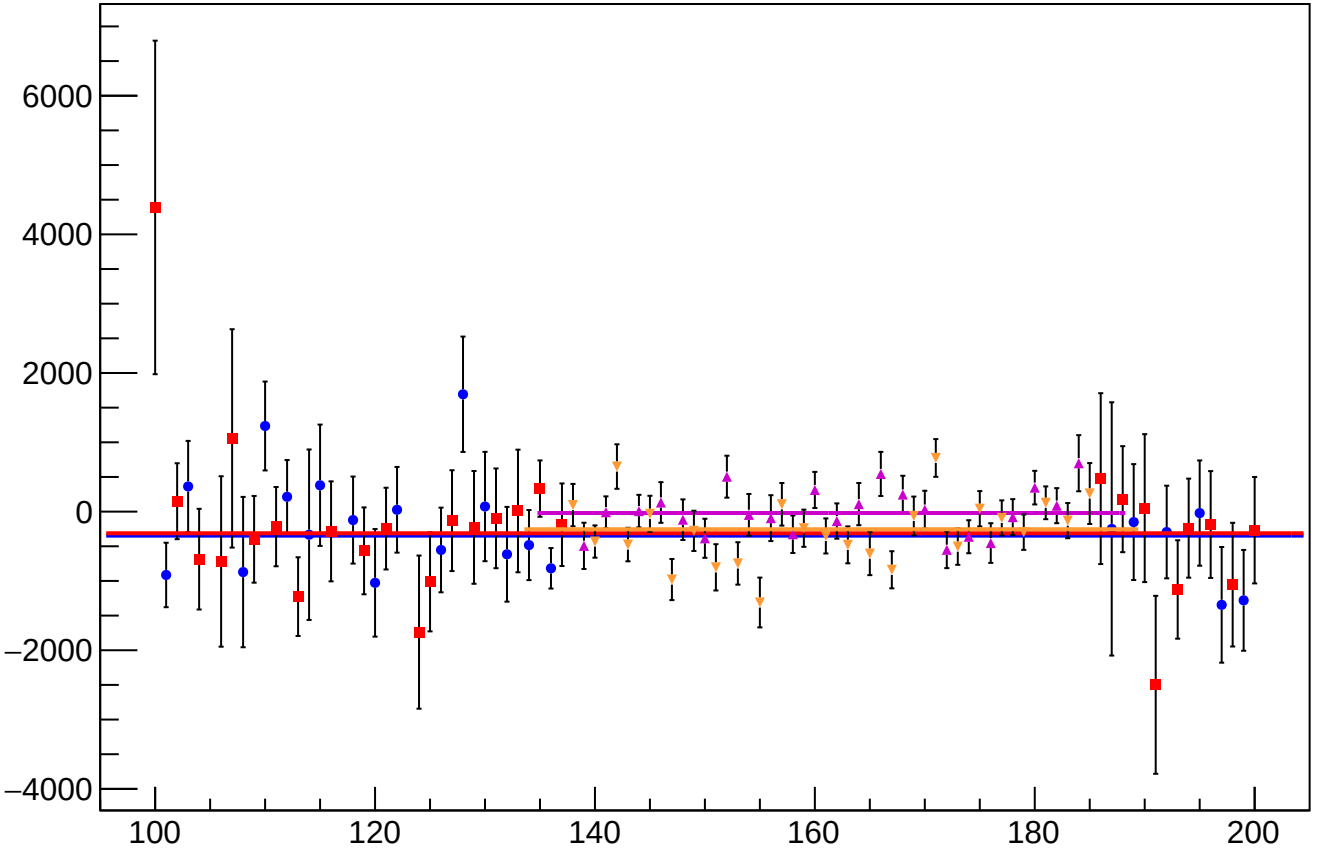
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.398+/-0.245 χ^2/NDF: 57299777.1/45

All: 396.674+/-0.167 χ^2/NDF: 115734734.2/9

- sign 395.174+/-0.229 χ^2/NDF: 58434864.8/48

diff_cav4cX_mean vs Slug



Right In: -346.285+/-134.745 χ^2/NDF: 24.6/21

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

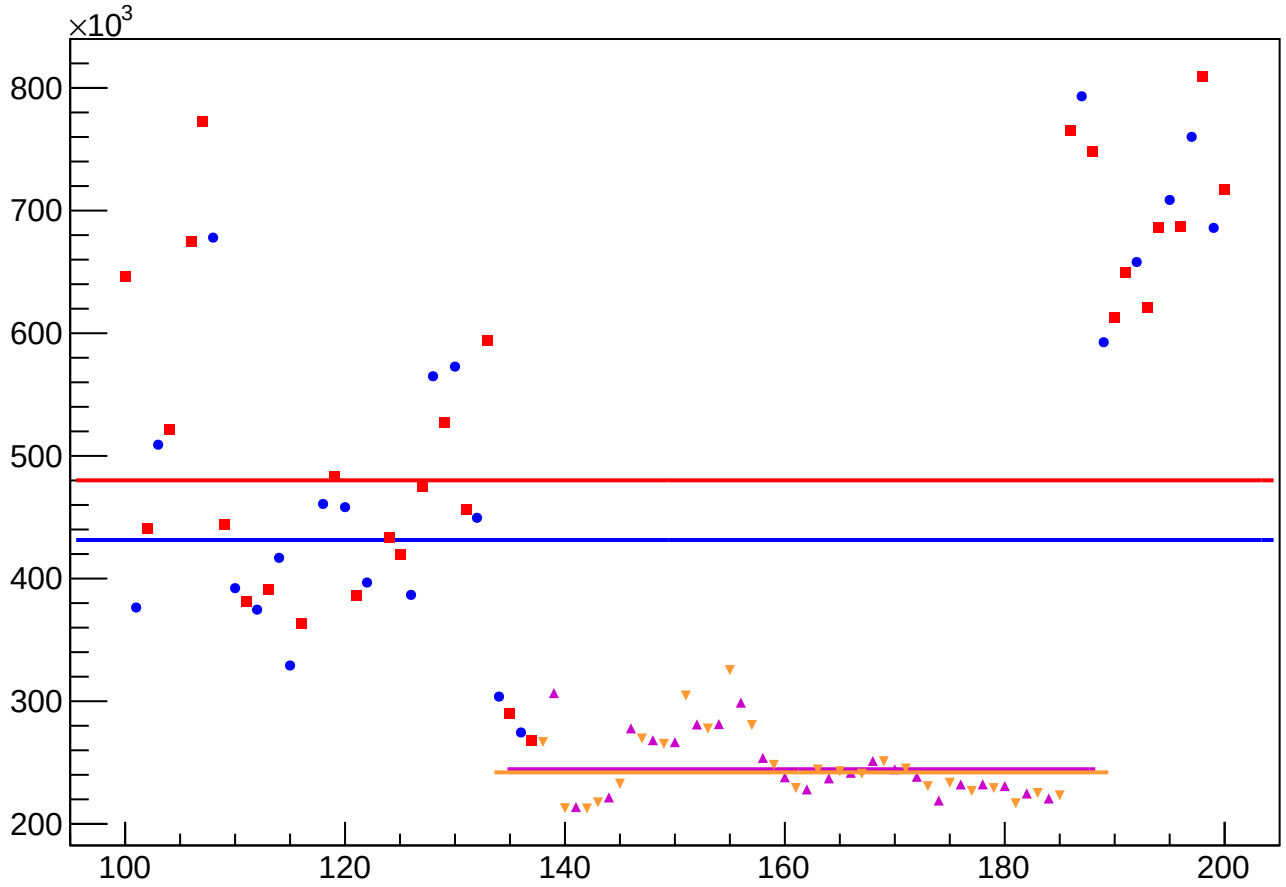
Right Out: -312.027+/-137.079 χ^2/NDF: 19.8/27

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -267.669+/-51.252 χ^2/NDF: 86.3/46

All: -169.185+/-36.847 χ^2/NDF: 146.2/97

- sign -63.823+/-53.011 χ^2/NDF: 52.3/50



Right In: 431442.981+/-95.301 χ^2/NDF: 2264579.3/21

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 480104.825+/-97.062 χ^2/NDF: 2364299.5/27

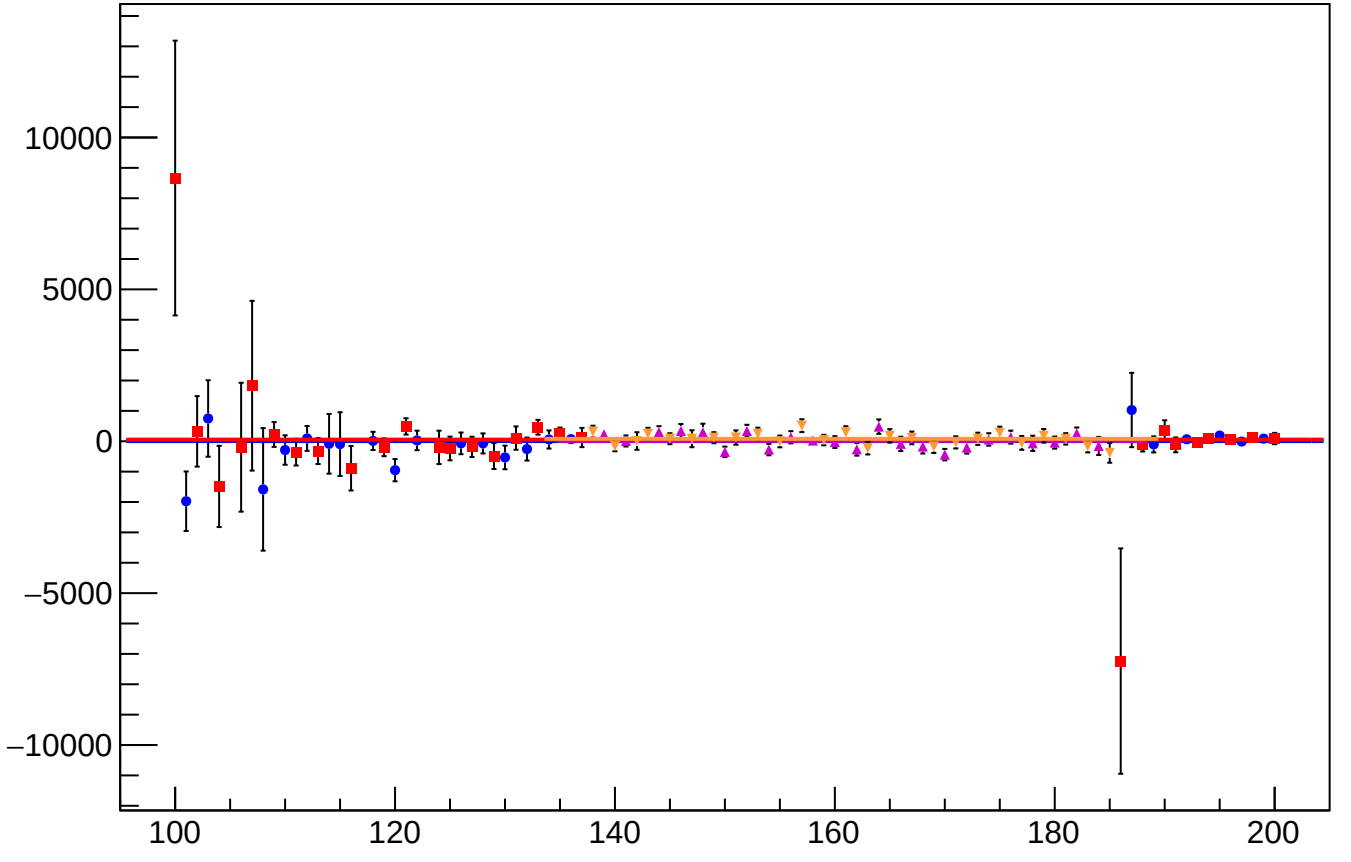
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 269404.620+/-36.242 χ^2/NDF: 6057530.2/46

All: 274372.932+/-26.058 χ^2/NDF: 1383396

- sign 279689.996+/-37.492 χ^2/NDF: 7736961.0/50

diff_cav4cY_mean vs Slug



Right In: 6.467+/-53.931 χ^2/NDF: 17.9/21

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 53.054+/-49.576 χ^2/NDF: 25.9/27

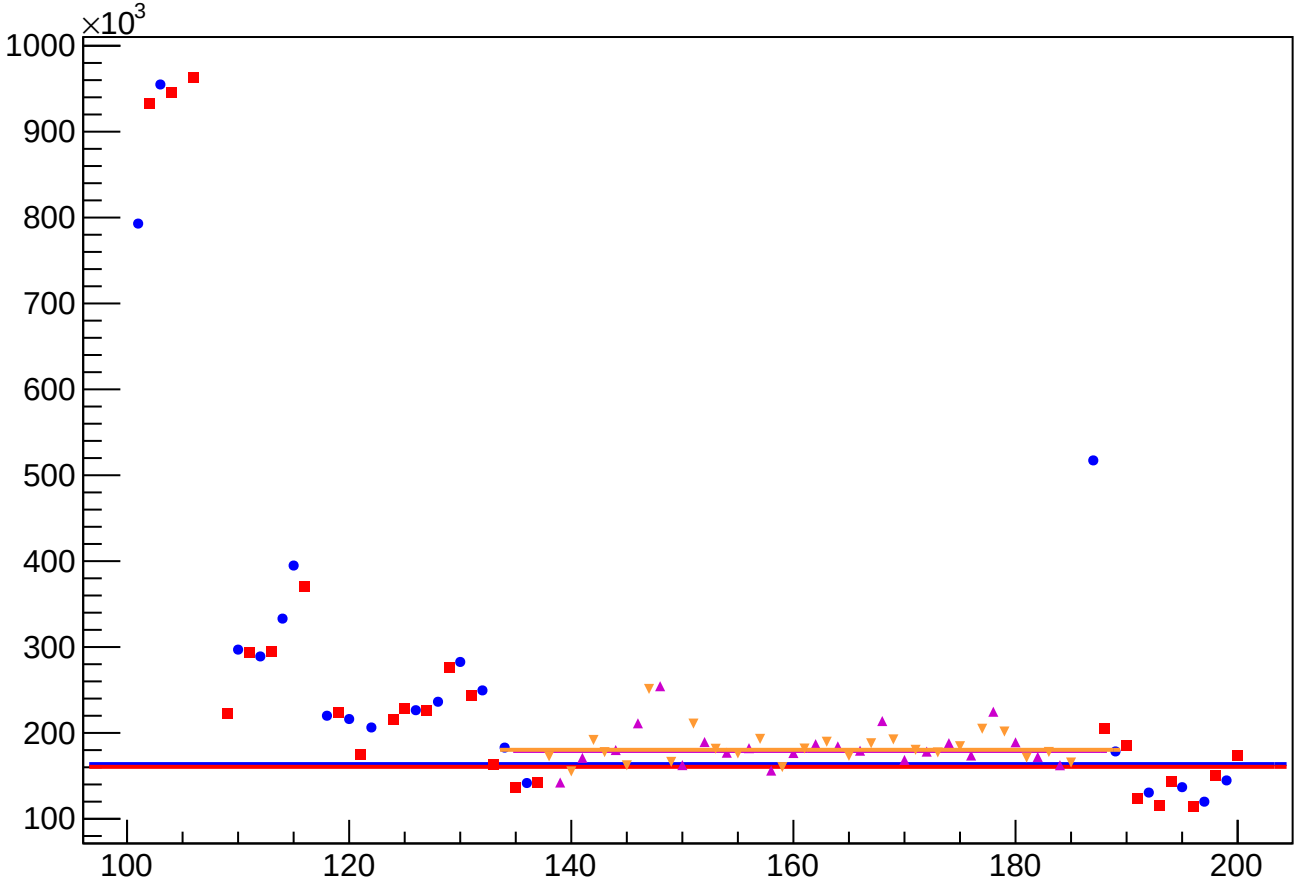
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 52.499+/-32.790 χ^2/NDF: 38.8/46

All: 41.253+/-22.956 χ^2/NDF: 98.5/97

- sign 30.442+/-32.149 χ^2/NDF: 59.4/50

diff_cav4cY_rms vs Slug



Right In: 163711.791+/-38.160 χ^2/NDF: 3115182.7/20

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 160516.303+/-35.086 χ^2/NDF: 3233276.0/24

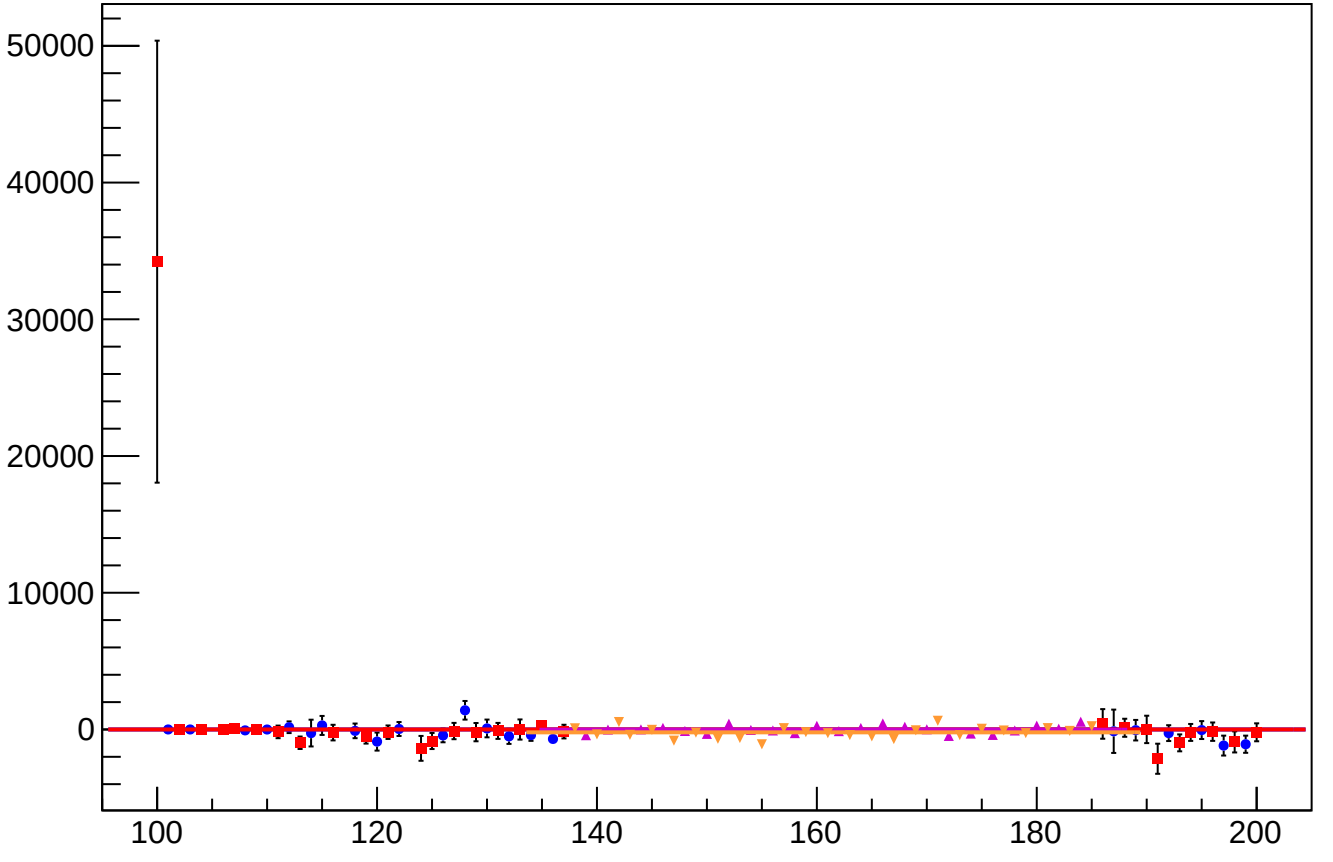
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 174200.014+/-23.192 χ^2/NDF: 3581565.6/45

All: 172695.577+/-16.237 χ^2/NDF: 7485854.

- sign 171249.006+/-22.741 χ^2/NDF: 3896034.2/47

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 23.9/21

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

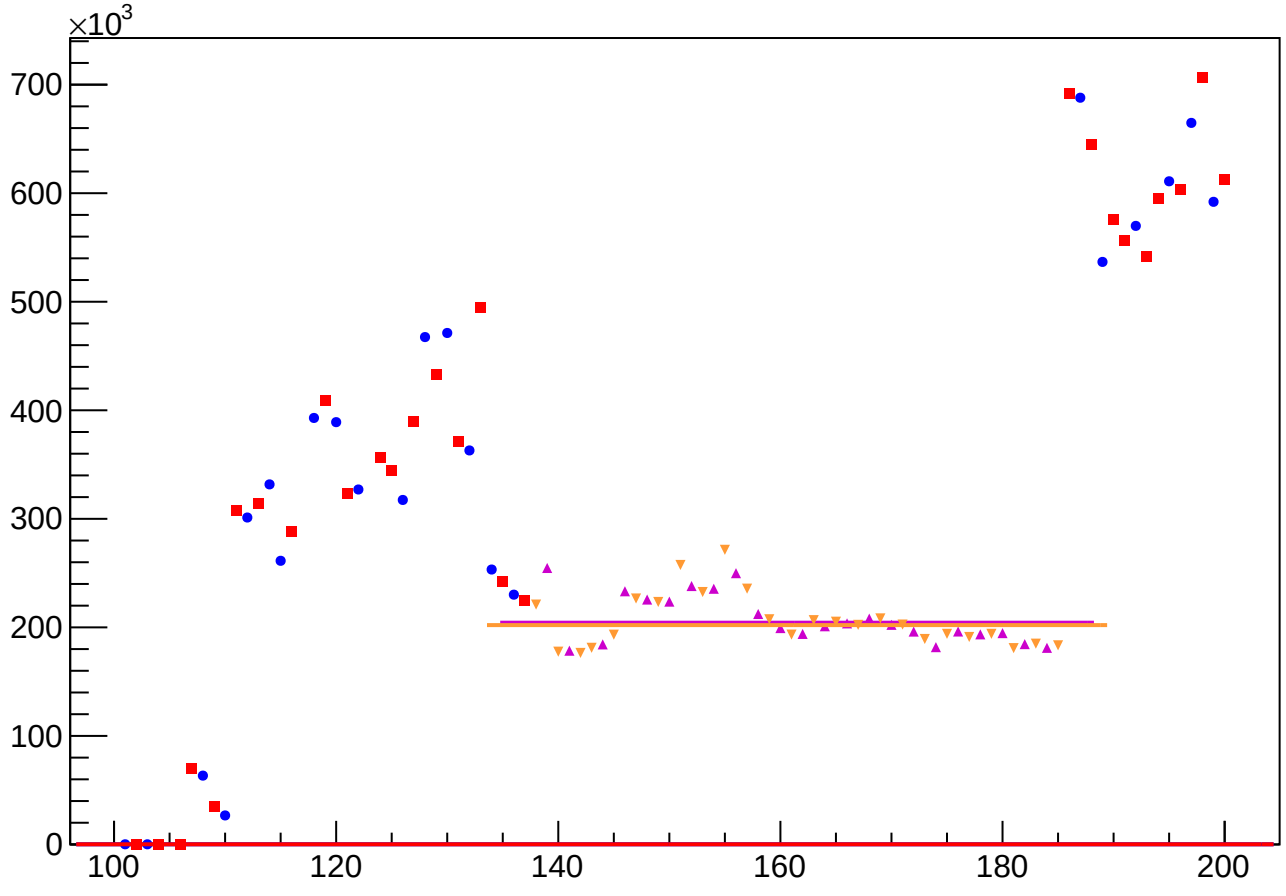
Right Out: -0.355+/-0.160 χ^2/NDF: 24.6/27

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 105.7/46

All: -0.208+/-0.117 χ^2/NDF: 160.9/97

- sign -0.355+/-0.160 χ^2/NDF: 53.4/50



Right In: 149.303+/-0.122 χ^2/NDF: 19824487.0/21

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.635+/-0.113 χ^2/NDF: 23594576.8/26

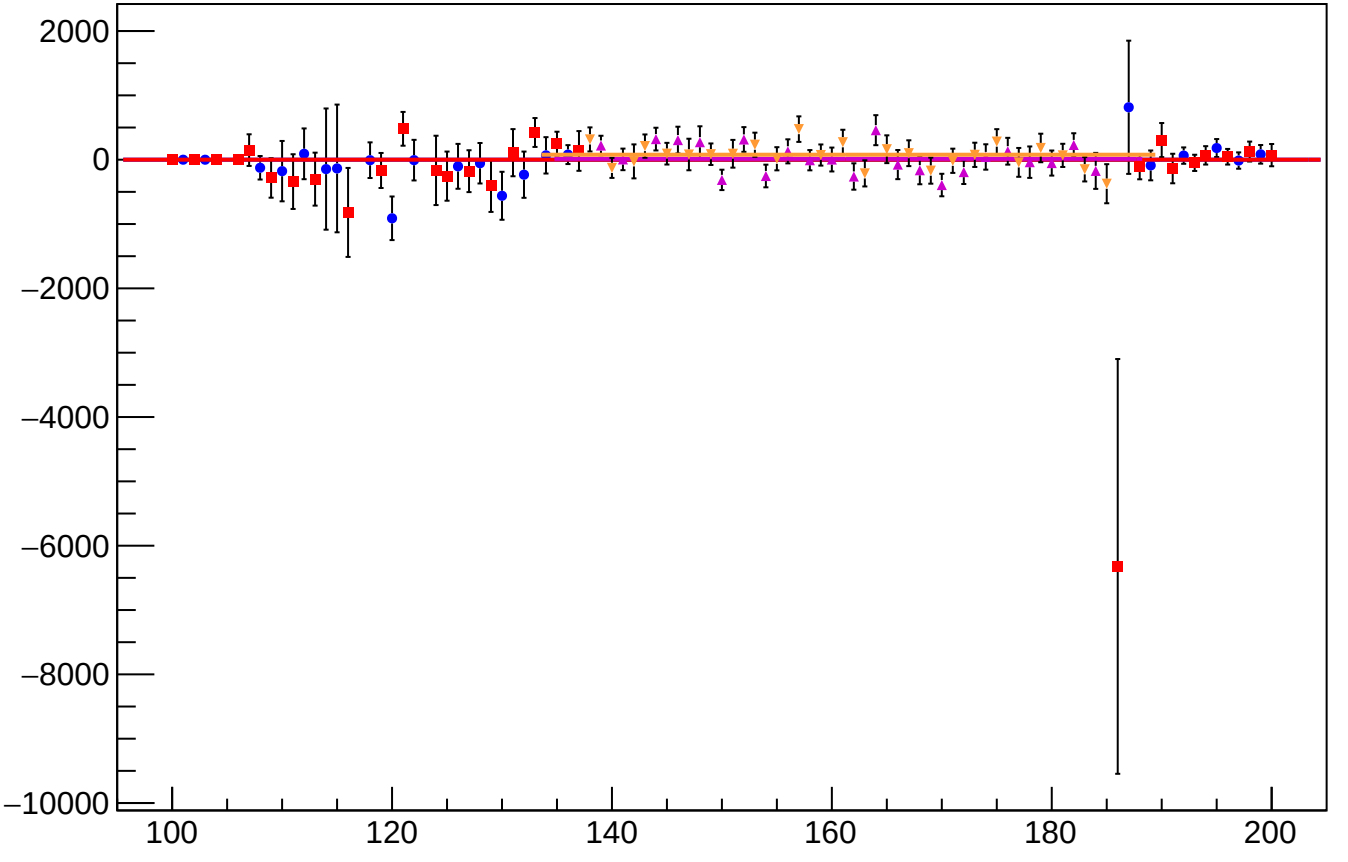
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.100+/-0.122 χ^2/NDF: 58320281.1/46

All: 151.995+/-0.083 χ^2/NDF: 118417550.0/9

- sign 151.904+/-0.113 χ^2/NDF: 60097267.5/49

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 14.3/21

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

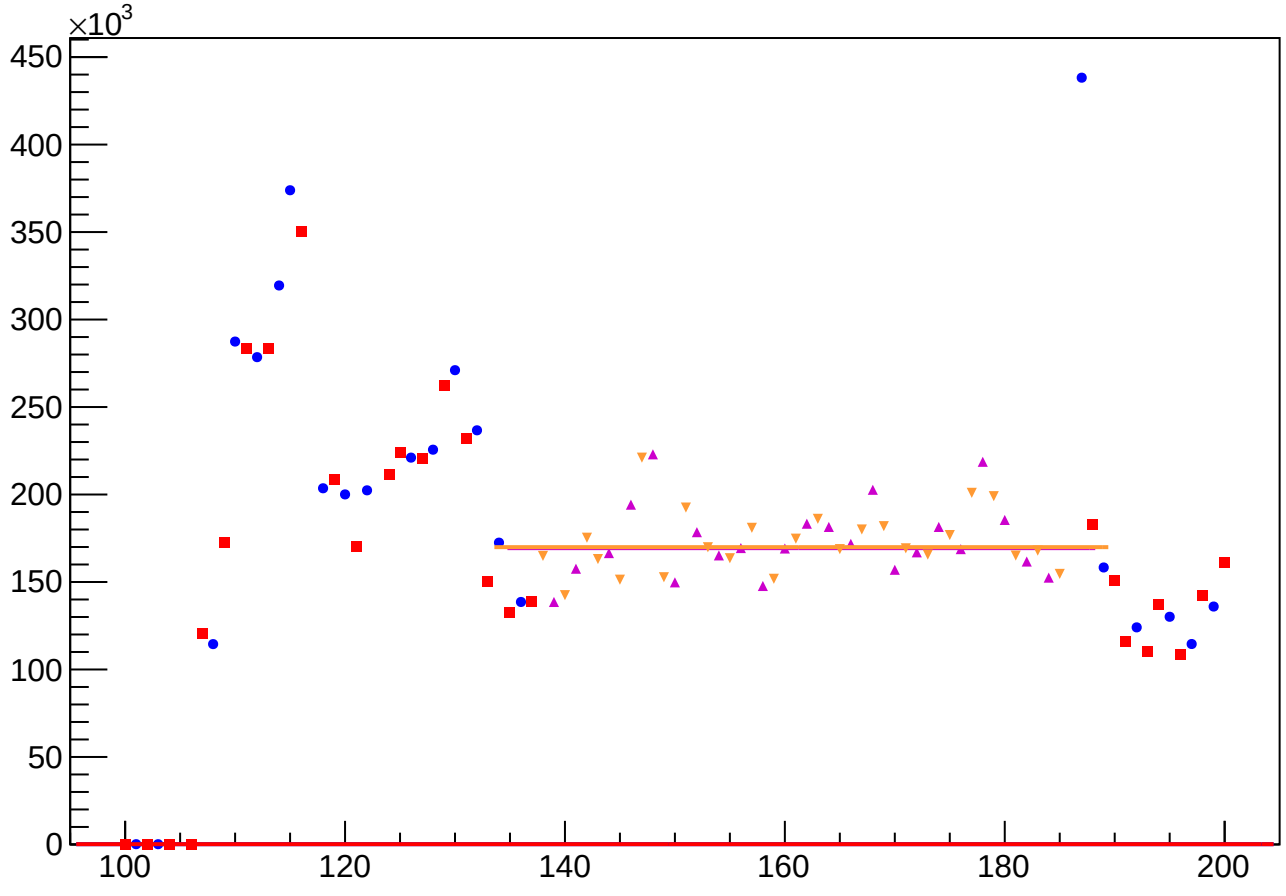
Right Out: 0.126+/-0.166 χ^2/NDF: 22.4/27

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 37.3/46

All: 0.036+/-0.121 χ^2/NDF: 93.2/97

- sign 0.126+/-0.166 χ^2/NDF: 55.2/50



Right In: 154.441+/-0.125 χ^2/NDF: 20203983.9/21

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.305+/-0.118 χ^2/NDF: 22603909.4/26

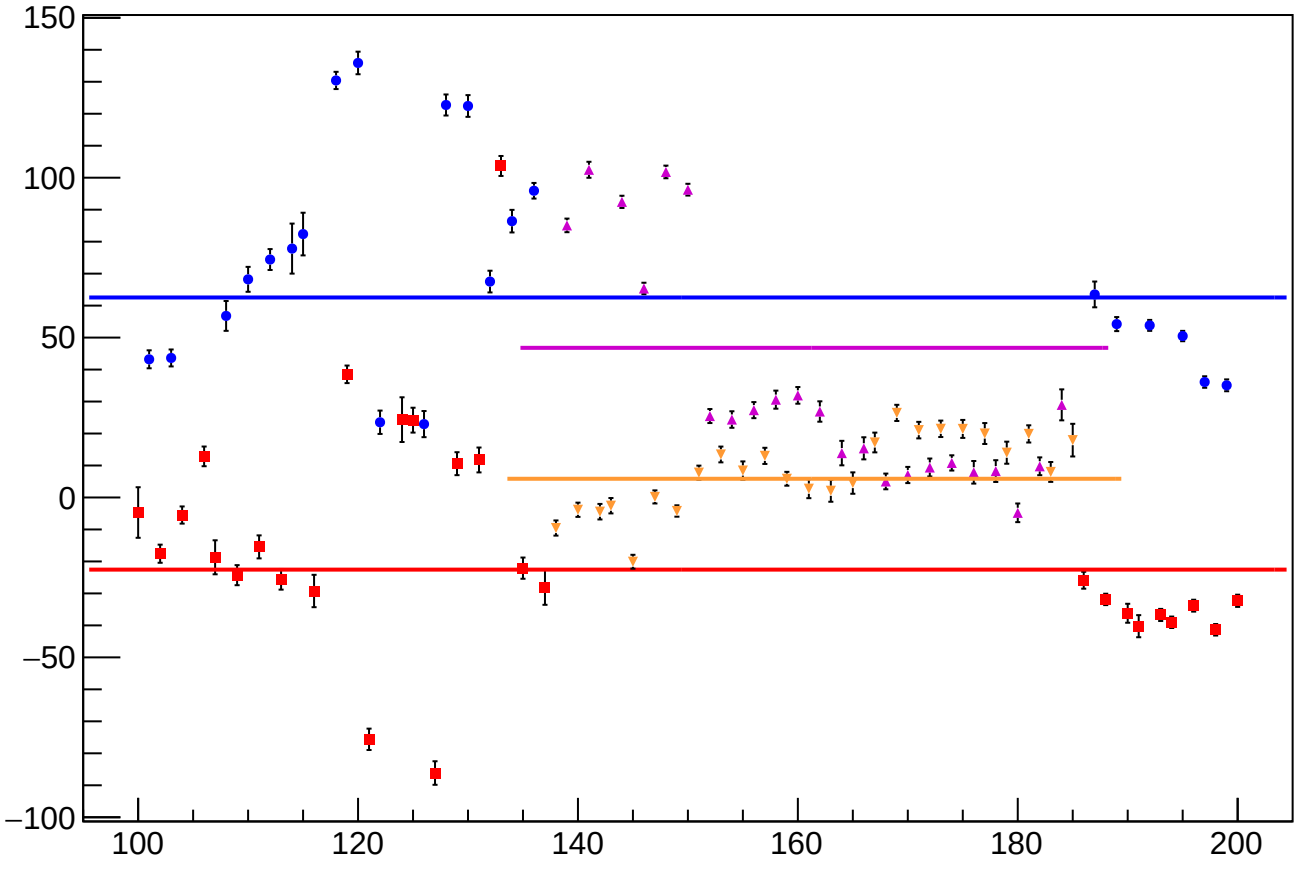
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.961+/-0.125 χ^2/NDF: 58615672.9/46

All: 159.175+/-0.086 χ^2/NDF: 117604286.0/9

- sign 160.246+/-0.118 χ^2/NDF: 58988436.4/49

diff_bpm0i01X_mean vs Slug



Right In: 62.542+/-0.580 χ^2/NDF: 2812.7/21

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -22.557+/-0.526 χ^2/NDF: 3611.4/27

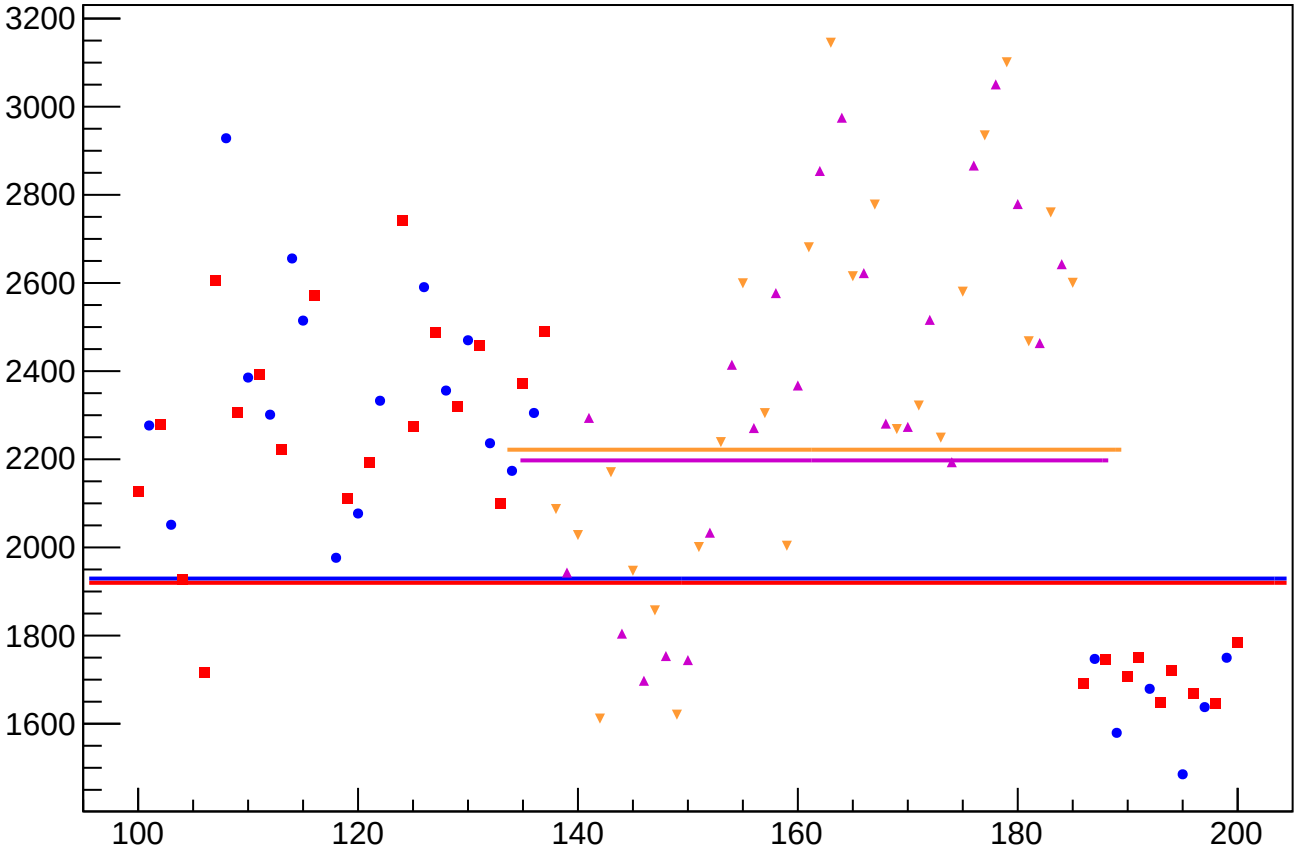
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 30.778+/-0.385 χ^2/NDF: 8697.1/46

All: 21.189+/-0.267 χ^2/NDF: 27395.1/97

\- sign 12.246+/-0.372 χ^2/NDF: 17497.5/50

diff_bpm0i01X_rms vs Slug



Right In: 1929.357+/-0.410 χ^2/NDF: 770042.3/21

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1919.722+/-0.372 χ^2/NDF: 643576.1/27

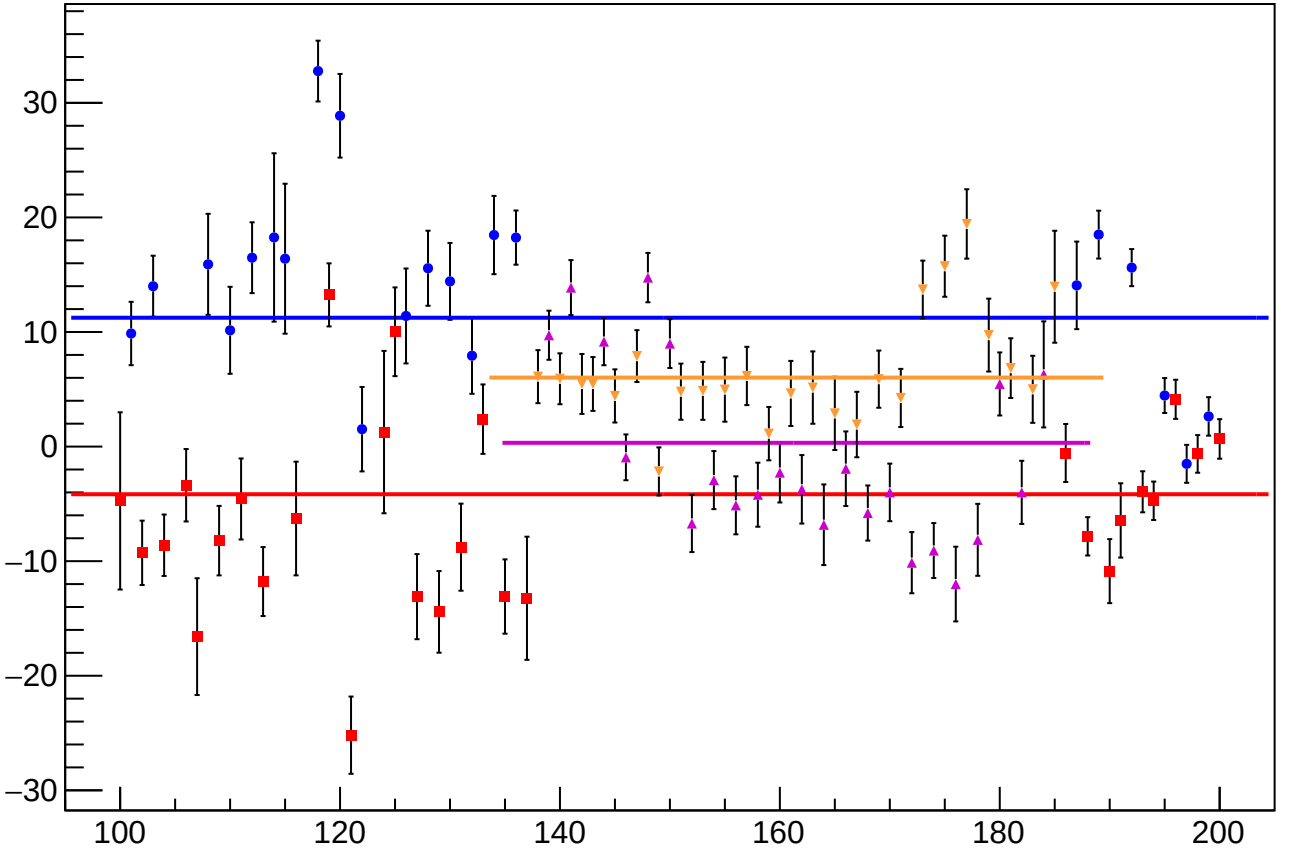
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2093.199+/-0.272 χ^2/NDF: 2238713.4/46

All: 2075.557+/-0.189 χ^2/NDF: 4274499.3/97

- sign 2059.104+/-0.263 χ^2/NDF: 2027658.4/50

diff_bpm0i01Y_mean vs Slug



Right In: 11.246+/-0.554 χ^2/NDF: 245.2/21

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -4.159+/-0.501 χ^2/NDF: 193.3/27

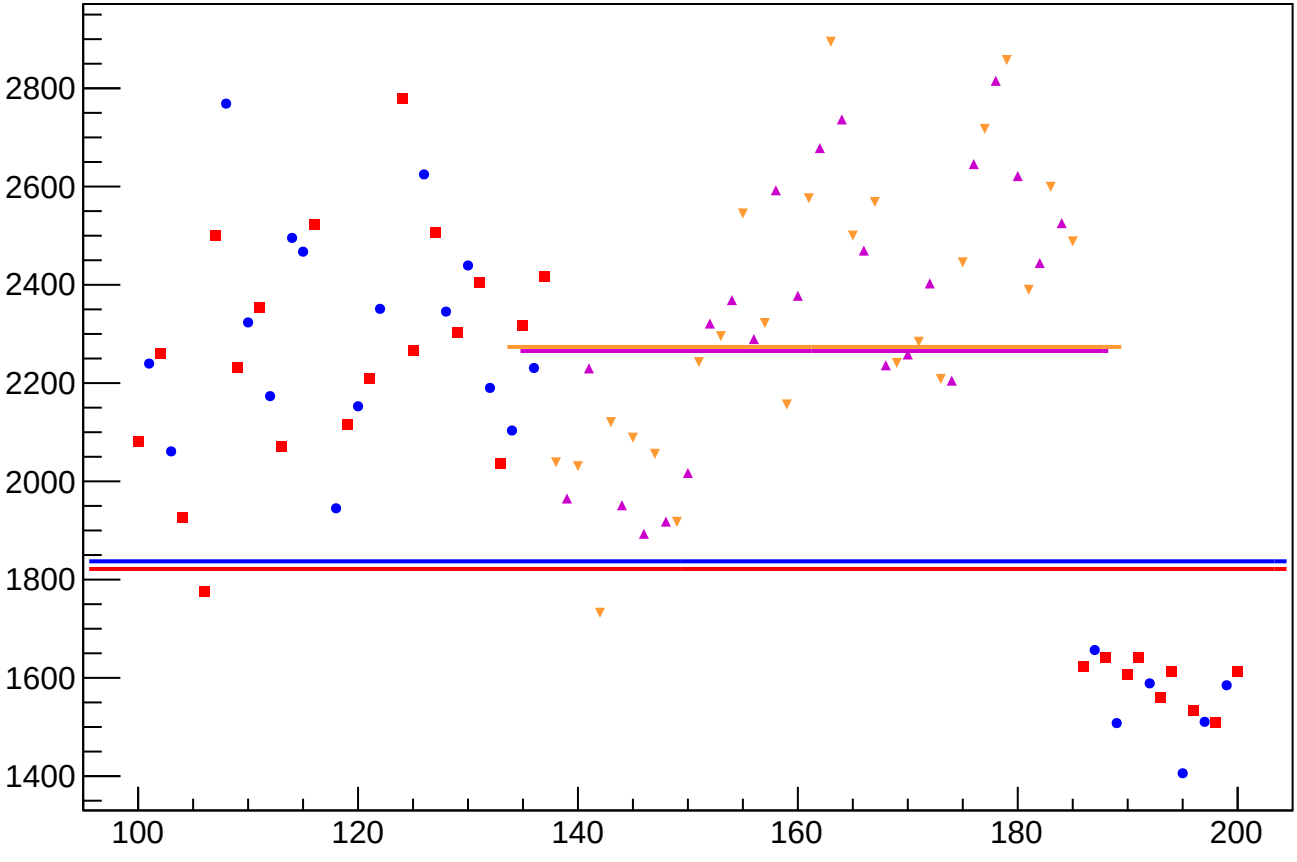
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.471+/-0.380 χ^2/NDF: 364.1/46

All: 3.009+/-0.263 χ^2/NDF: 1219.1/97

- sign -2.060+/-0.366 χ^2/NDF: 455.7/50

diff_bpm0i01Y_rms vs Slug



Right In: 1837.258+/-0.392 χ^2/NDF: 953164.2/21

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1821.655+/-0.354 χ^2/NDF: 856452.4/27

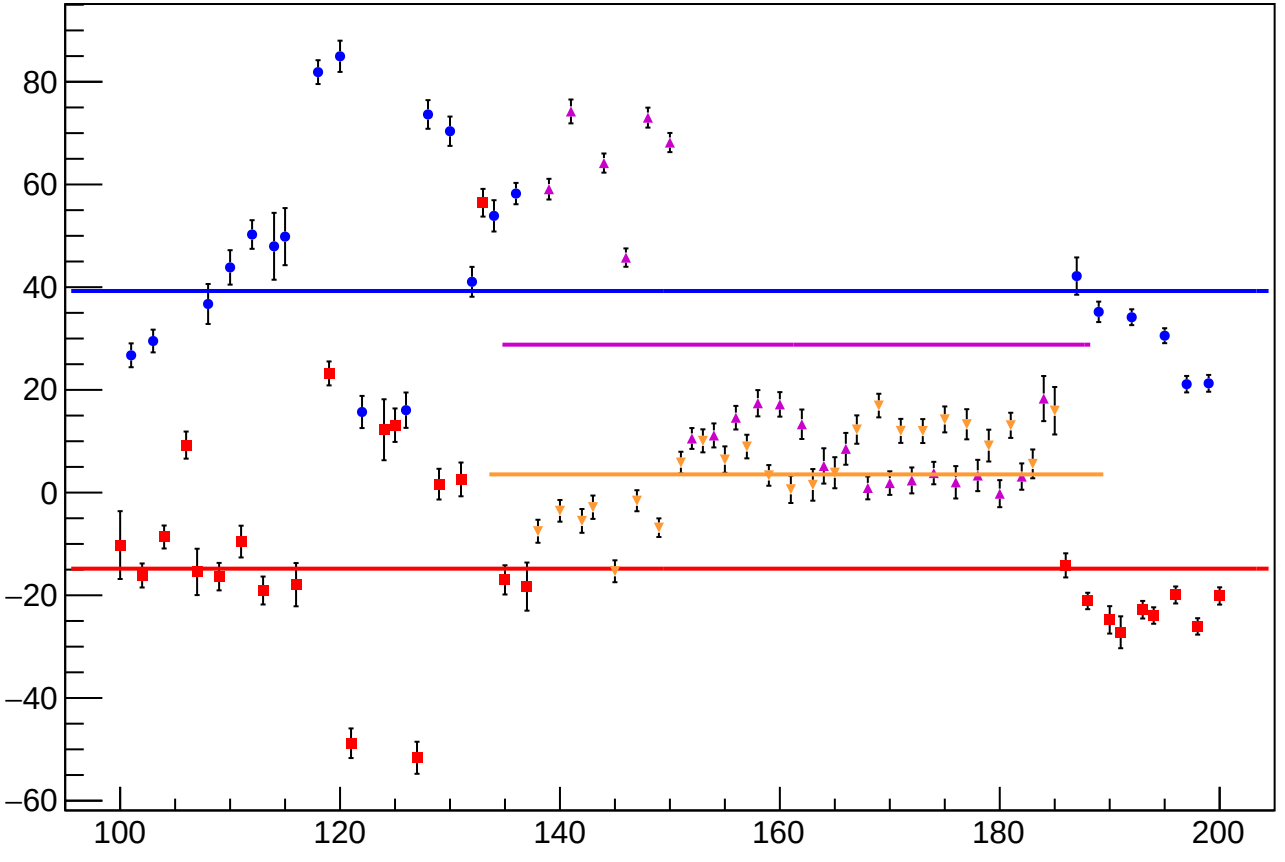
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2069.035+/-0.268 χ^2/NDF: 2148181.8/46

All: 2048.360+/-0.186 χ^2/NDF: 4244822.3/97

- sign 2029.177+/-0.259 χ^2/NDF: 2085201.5/50

diff_bpm0i01aX_mean vs Slug



Right In: 39.258+/-0.507 χ^2/NDF: 1413.8/21

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -14.813+/-0.460 χ^2/NDF: 1662.3/27

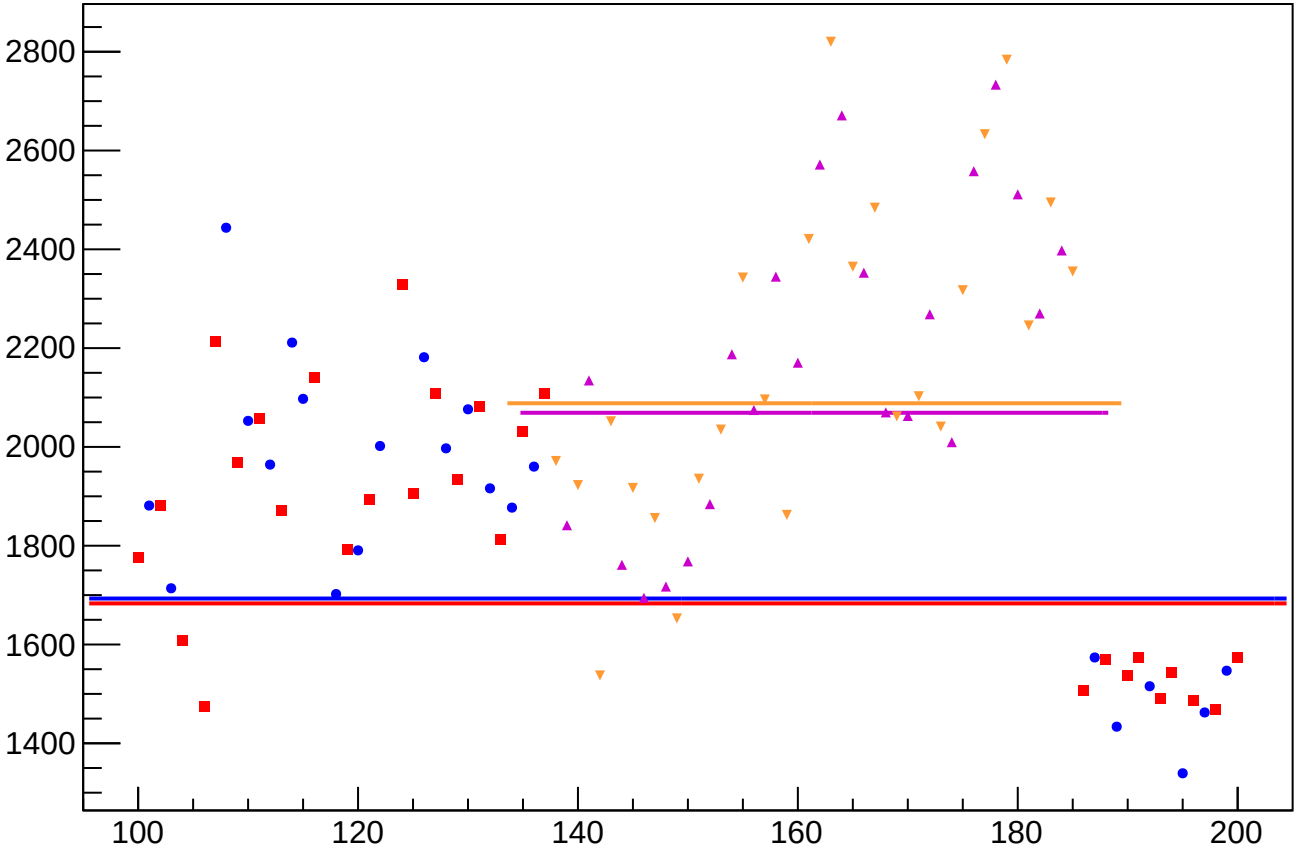
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 20.453+/-0.349 χ^2/NDF: 4351.6/46

All: 12.733+/-0.242 χ^2/NDF: 14427.1/97

- sign 5.575+/-0.336 χ^2/NDF: 9130.0/50

diff_bpm0i01aX_rms vs Slug



Right In: 1693.080+/-0.358 χ^2/NDF: 564446.6/21

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1683.202+/-0.325 χ^2/NDF: 465255.4/27

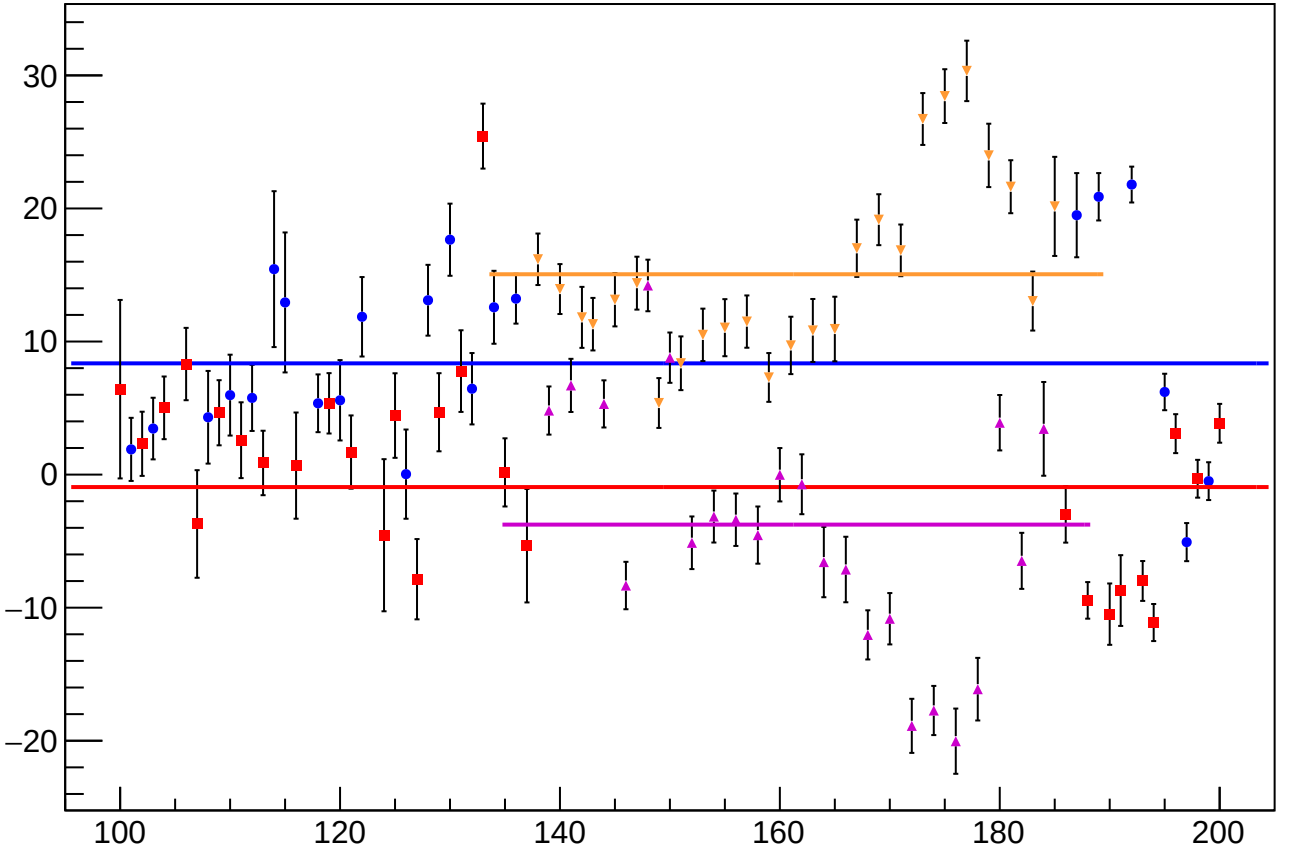
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1901.215+/-0.246 χ^2/NDF: 1993249.0/46

All: 1881.694+/-0.171 χ^2/NDF: 3840469.4/97

- sign 1863.593+/-0.237 χ^2/NDF: 1835126.9/50

diff_bpm0i01aY_mean vs Slug



Right In: 8.360+/-0.465 χ^2/NDF: 342.6/21

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.936+/-0.418 χ^2/NDF: 334.9/27

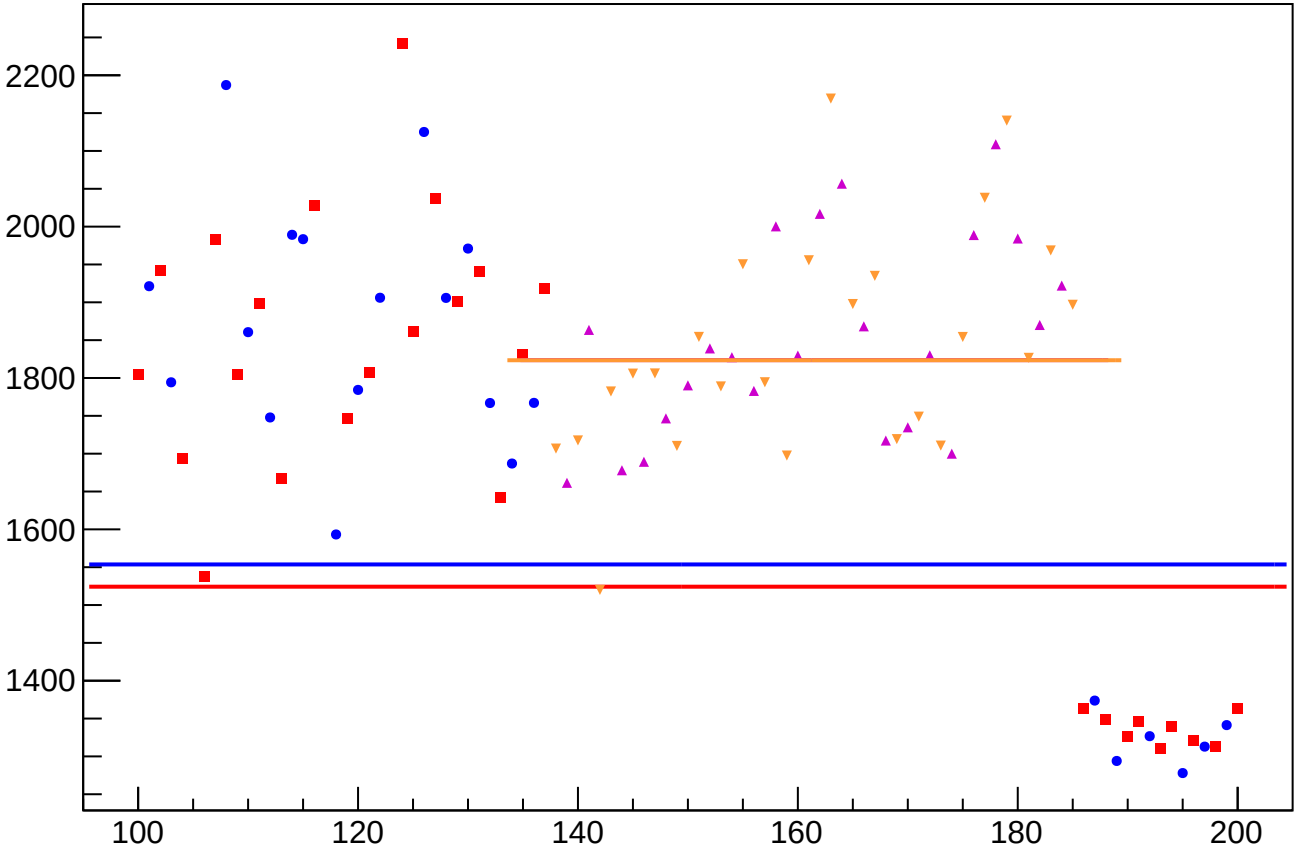
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.083+/-0.310 χ^2/NDF: 704.1/46

All: 4.623+/-0.215 χ^2/NDF: 2638.3/97

- sign -2.313+/-0.299 χ^2/NDF: 816.3/50

diff_bpm0i01aY_rms vs Slug



Right In: 1553.641+/-0.329 χ^2/NDF: 704946.2/21

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1524.236+/-0.295 χ^2/NDF: 722400.9/27

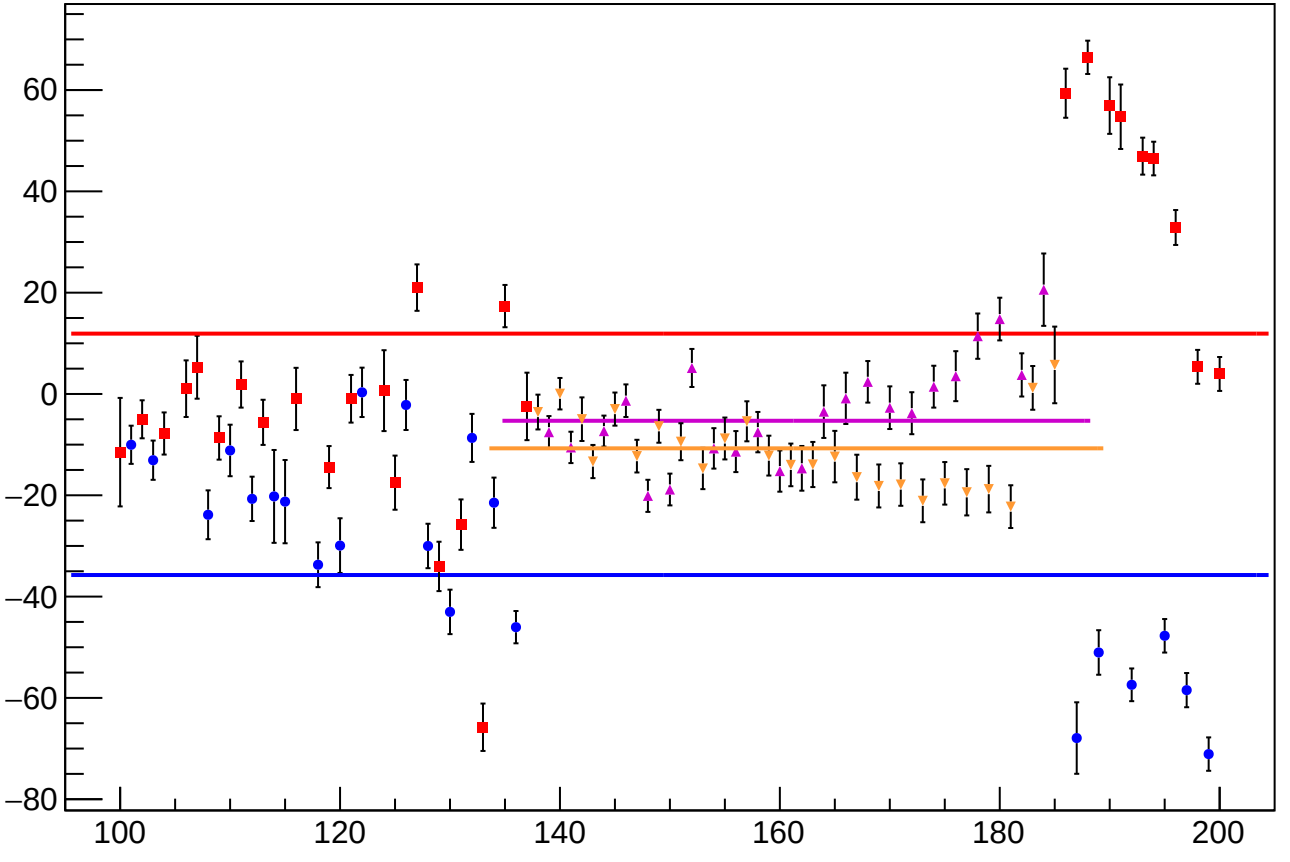
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1703.642+/-0.219 χ^2/NDF: 1290371.1/46

All: 1686.384+/-0.152 χ^2/NDF: 2689992.0/97

- sign 1670.337+/-0.211 χ^2/NDF: 1387654.3/50

diff_bpm0l01X_mean vs Slug



Right In: -35.741+/-0.916 χ^2/NDF: 537.4/21

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 11.913+/-0.844 χ^2/NDF: 1341.6/27

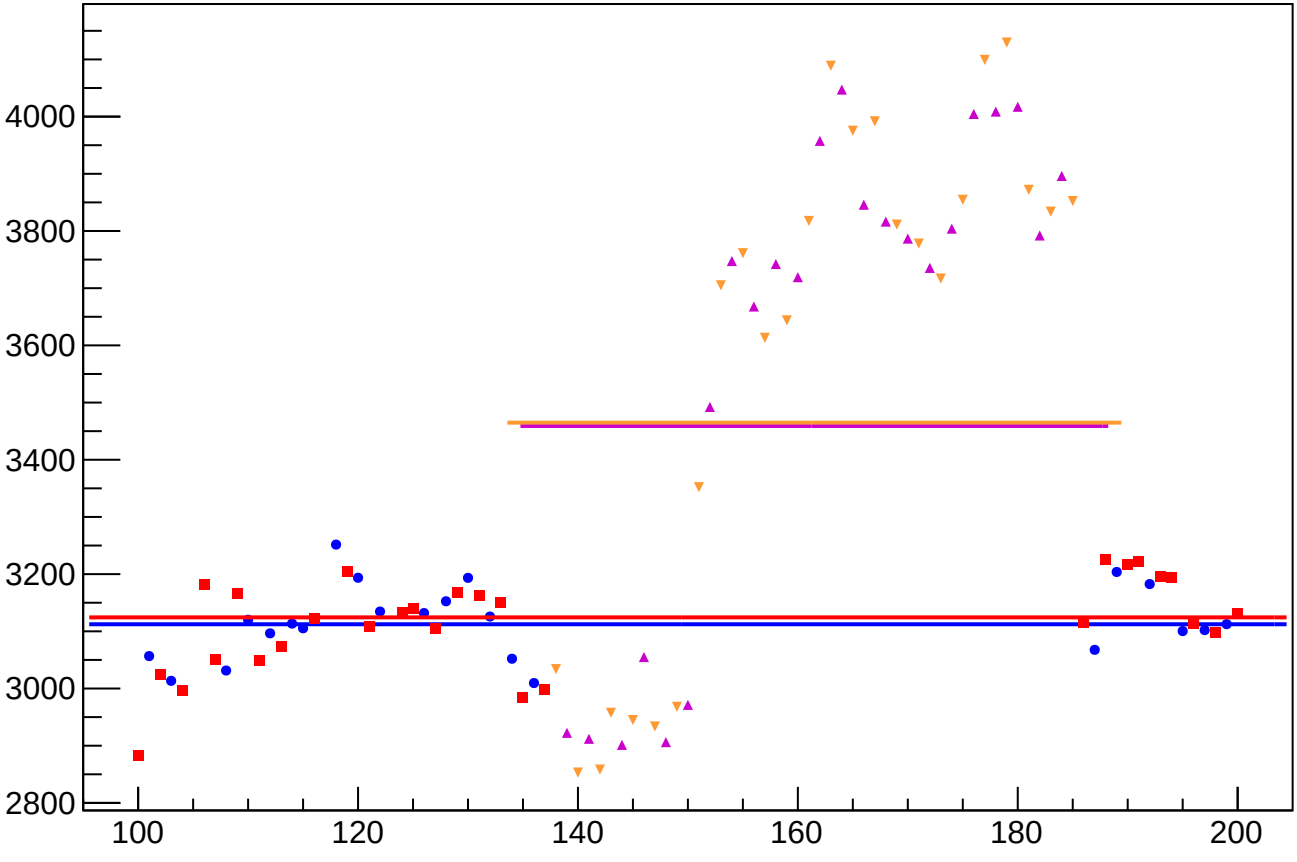
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -21.461+/-0.600 χ^2/NDF: 1037.0/46

All: -8.938+/-0.419 χ^2/NDF: 3579.0/97

- sign 3.008+/-0.586 χ^2/NDF: 1690.5/50

diff_bpm0l01X_rms vs Slug



Right In: 3112.356+/-0.648 χ^2/NDF: 10026.1/21

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3124.378+/-0.596 χ^2/NDF: 14651.9/27

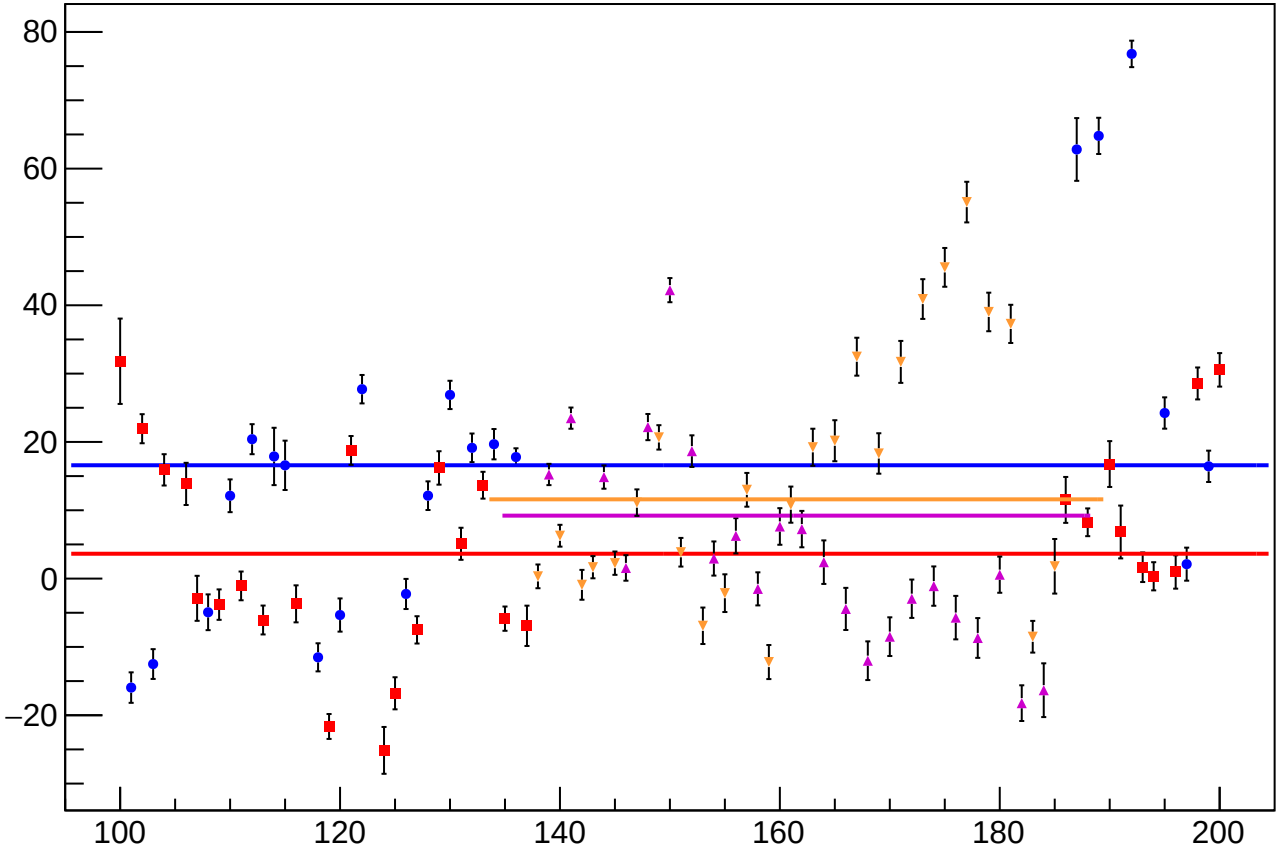
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3313.664+/-0.424 χ^2/NDF: 823282.5/46

All: 3305.454+/-0.296 χ^2/NDF: 1584925.8/97

- sign 3297.621+/-0.414 χ^2/NDF: 760911.1/50

diff_bpm0l01Y_mean vs Slug



Right In: 16.587+/-0.476 χ^2/NDF: 2313.1/21

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.638+/-0.449 χ^2/NDF: 963.1/27

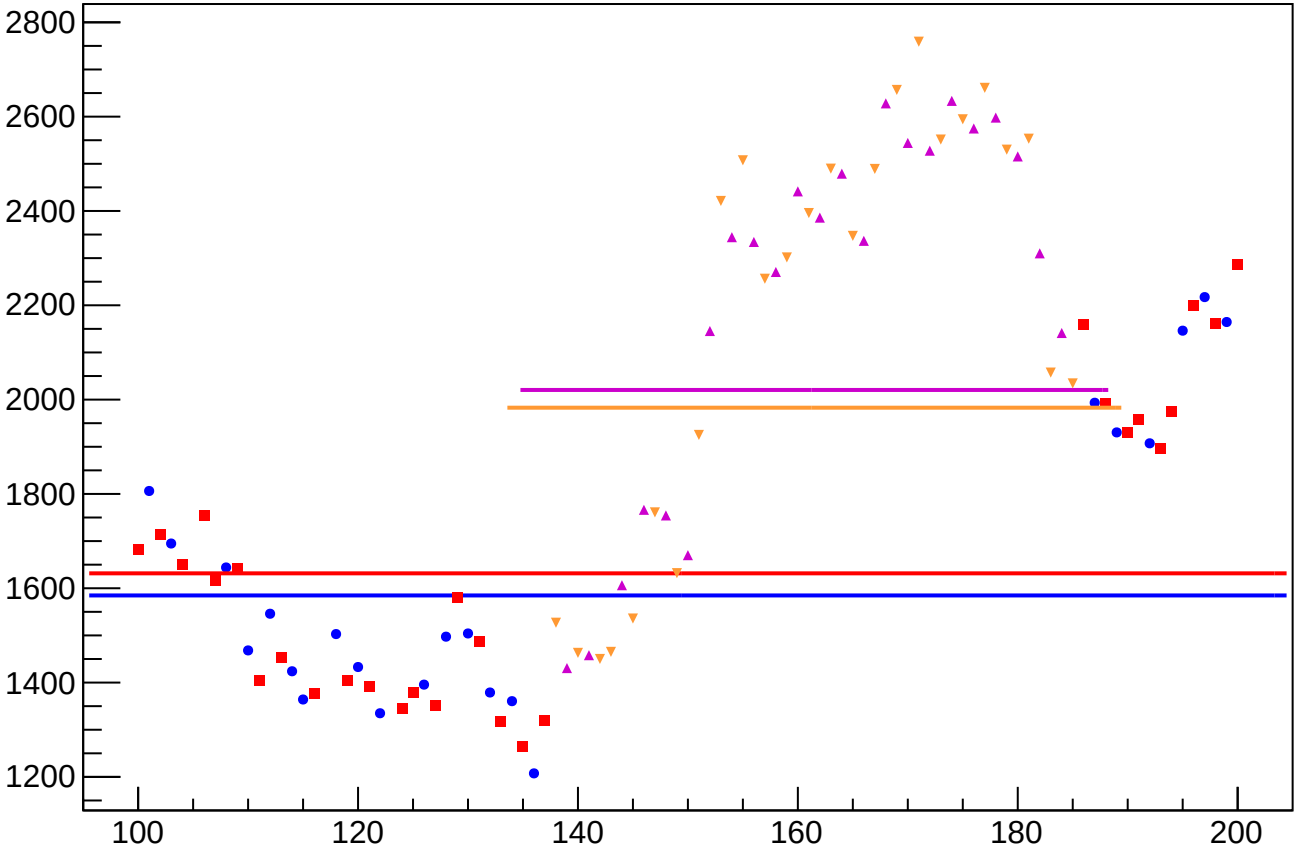
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 14.028+/-0.332 χ^2/NDF: 3566.5/46

All: 10.090+/-0.234 χ^2/NDF: 5820.6/97

- sign 6.218+/-0.329 χ^2/NDF: 1975.0/50

diff_bpm0l01Y_rms vs Slug



Right In: 1584.759+/-0.336 χ^2/NDF: 804945.5/21

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1631.631+/-0.318 χ^2/NDF: 944590.0/27

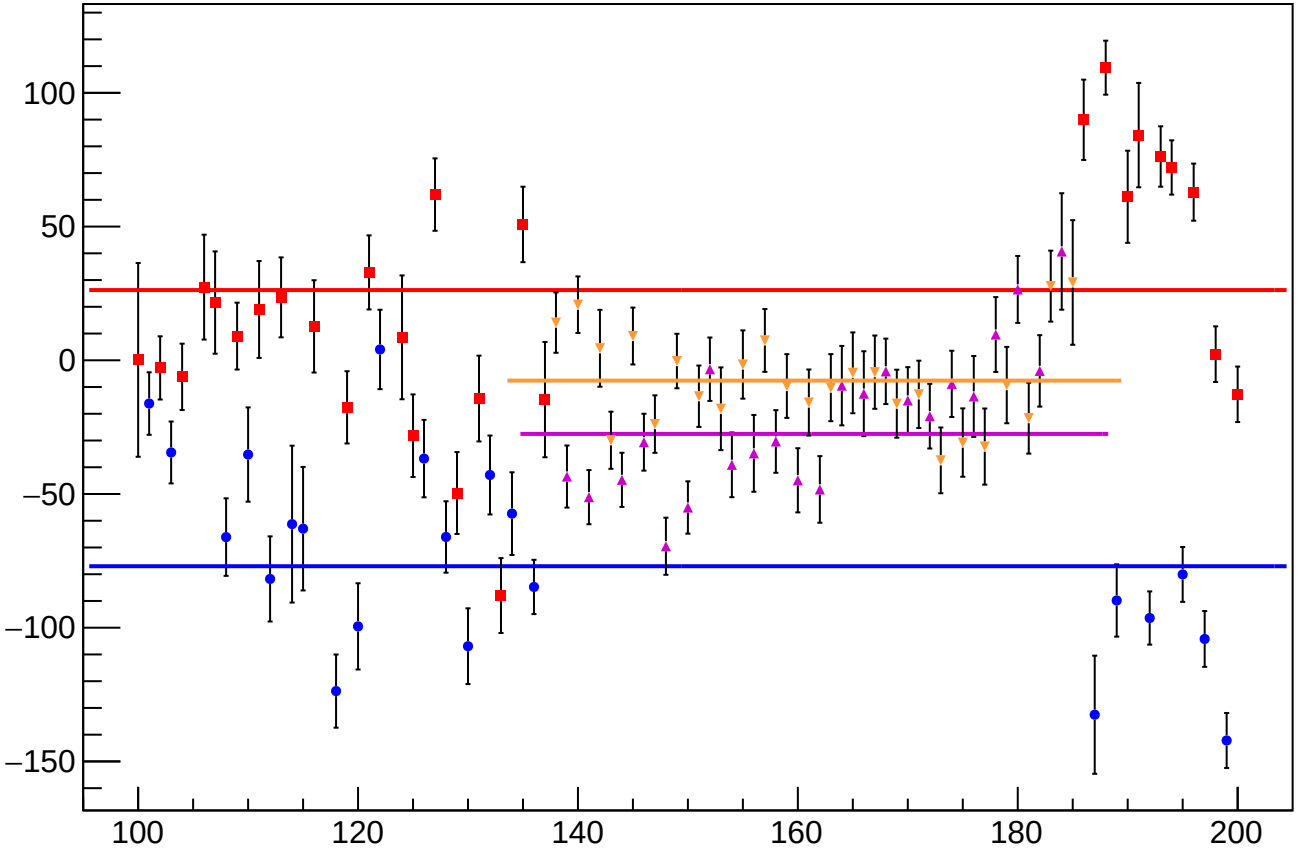
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1788.990+/-0.235 χ^2/NDF: 3501447.9/46

All: 1800.390+/-0.165 χ^2/NDF: 6759340.8/97

- sign 1811.601+/-0.233 χ^2/NDF: 3253213.6/50

diff_bpm0l02X_mean vs Slug



Right In: -77.008+/-2.850 χ^2/NDF: 169.4/21

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 26.256+/-2.628 χ^2/NDF: 320.9/27

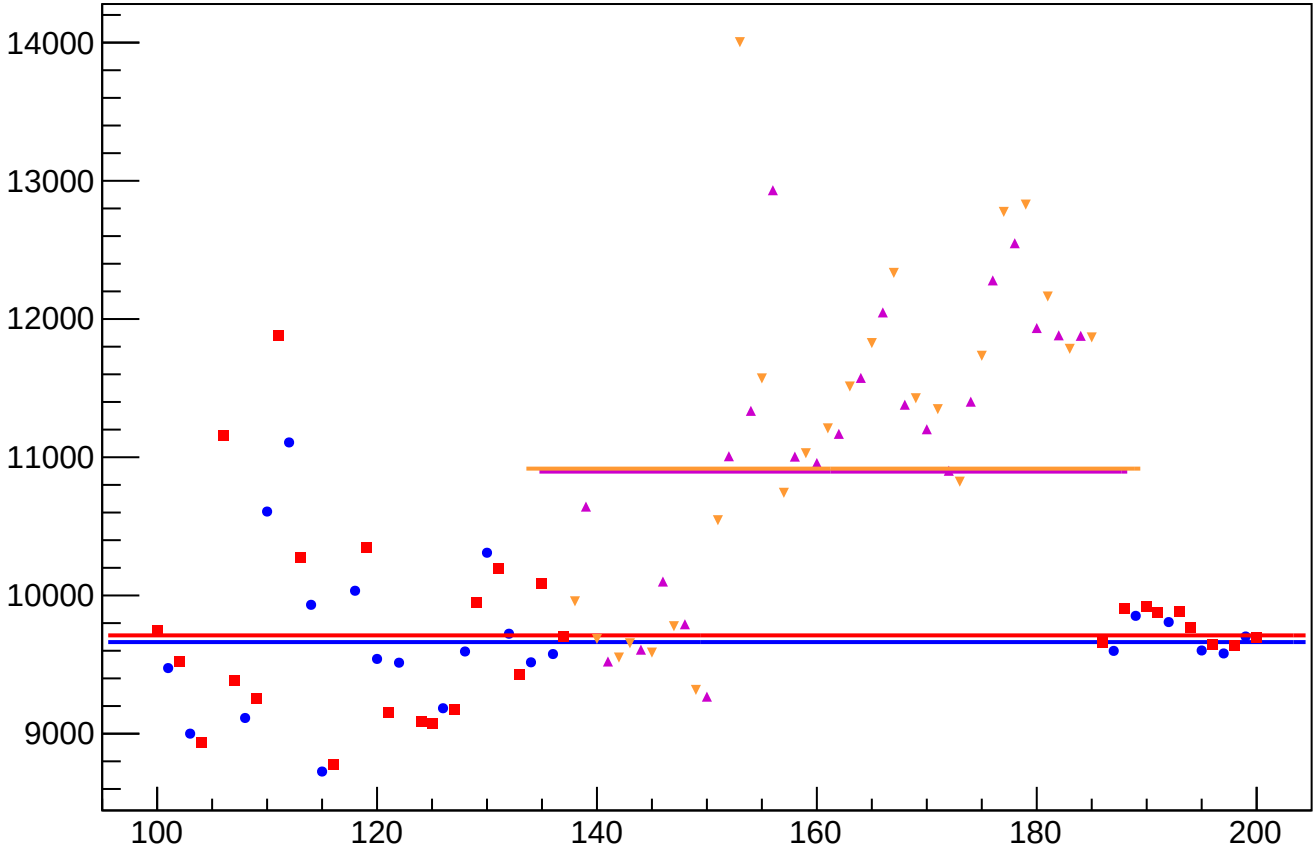
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -37.710+/-1.877 χ^2/NDF: 553.2/46

All: -19.109+/-1.311 χ^2/NDF: 1374.0/97

- sign -1.383+/-1.833 χ^2/NDF: 629.1/50

diff_bpm0l02X_rms vs Slug



Right In: 9662.733+/-2.015 χ^2/NDF: 45212.8/21

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9711.240+/-1.859 χ^2/NDF: 82080.2/27

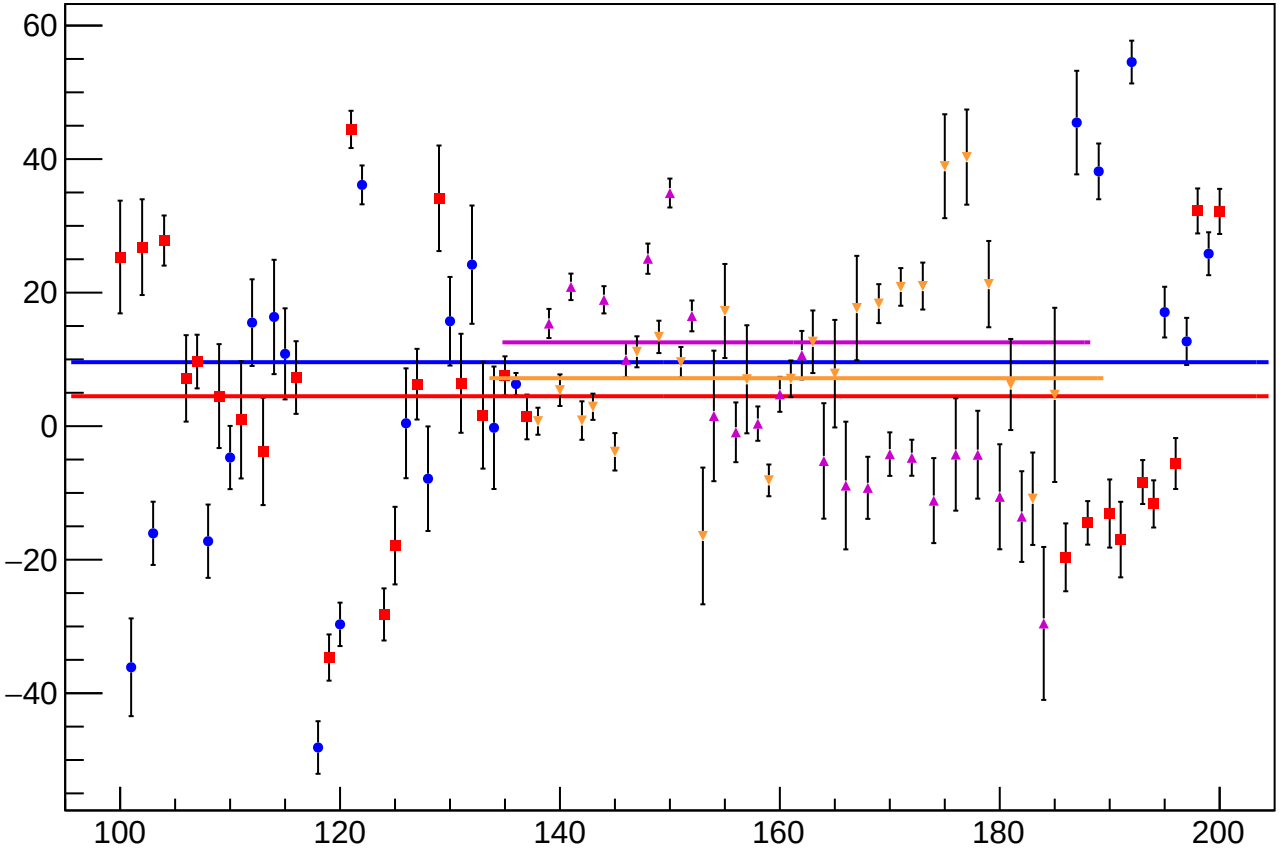
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10373.225+/-1.327 χ^2/NDF: 690585.3/46

All: 10346.007+/-0.927 χ^2/NDF: 1280349.7/9

- sign 10320.069+/-1.296 χ^2/NDF: 588943.4/50

diff_bpm0l02Y_mean vs Slug



Right In: 9.583+/-0.866 χ^2/NDF: 856.8/21

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 4.483+/-0.820 χ^2/NDF: 752.8/27

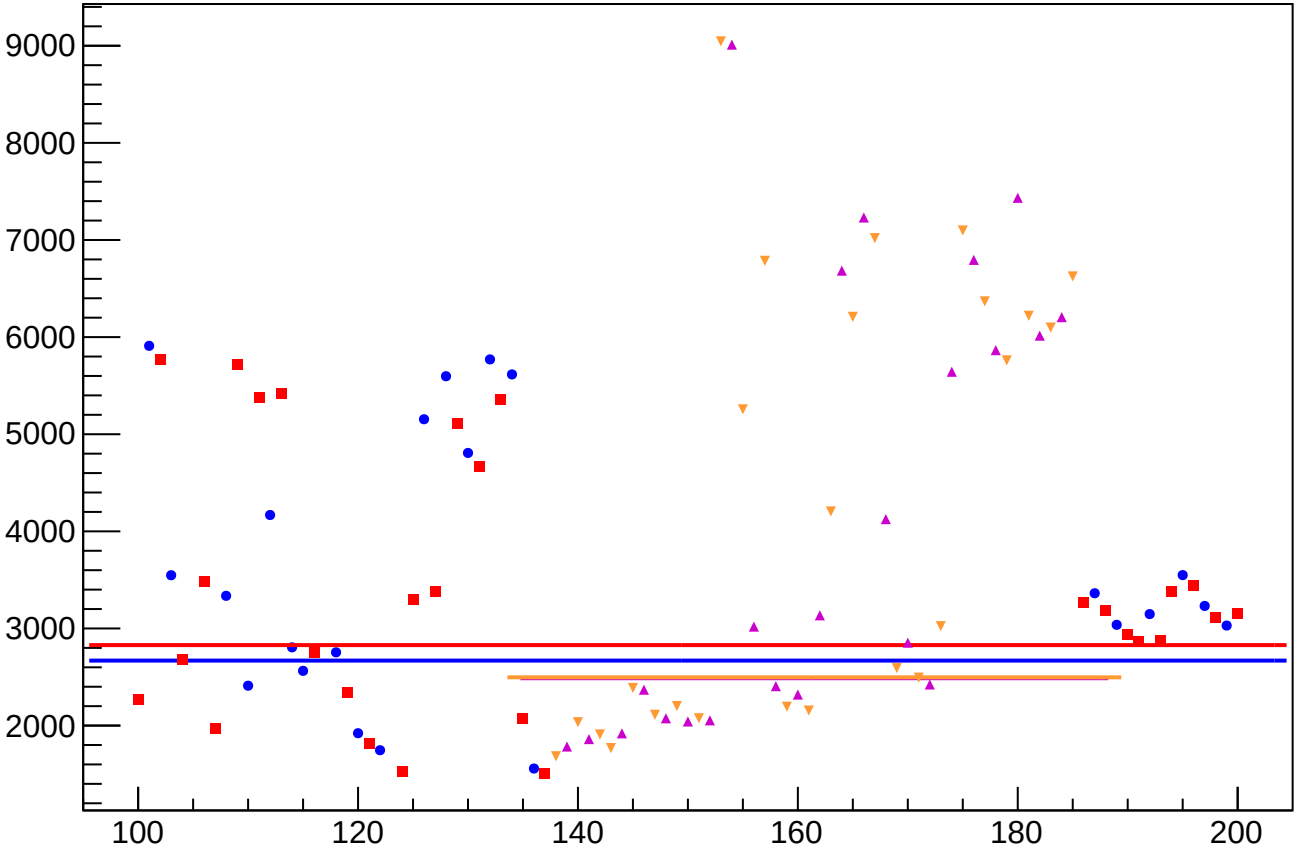
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 8.055+/-0.522 χ^2/NDF: 1063.4/46

All: 8.726+/-0.366 χ^2/NDF: 2250.2/97

- sign 9.378+/-0.514 χ^2/NDF: 1183.6/50

diff_bpm0l02Y_rms vs Slug



Right In: 2669.111+/-0.612 χ^2/NDF: 3181562.8/21

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

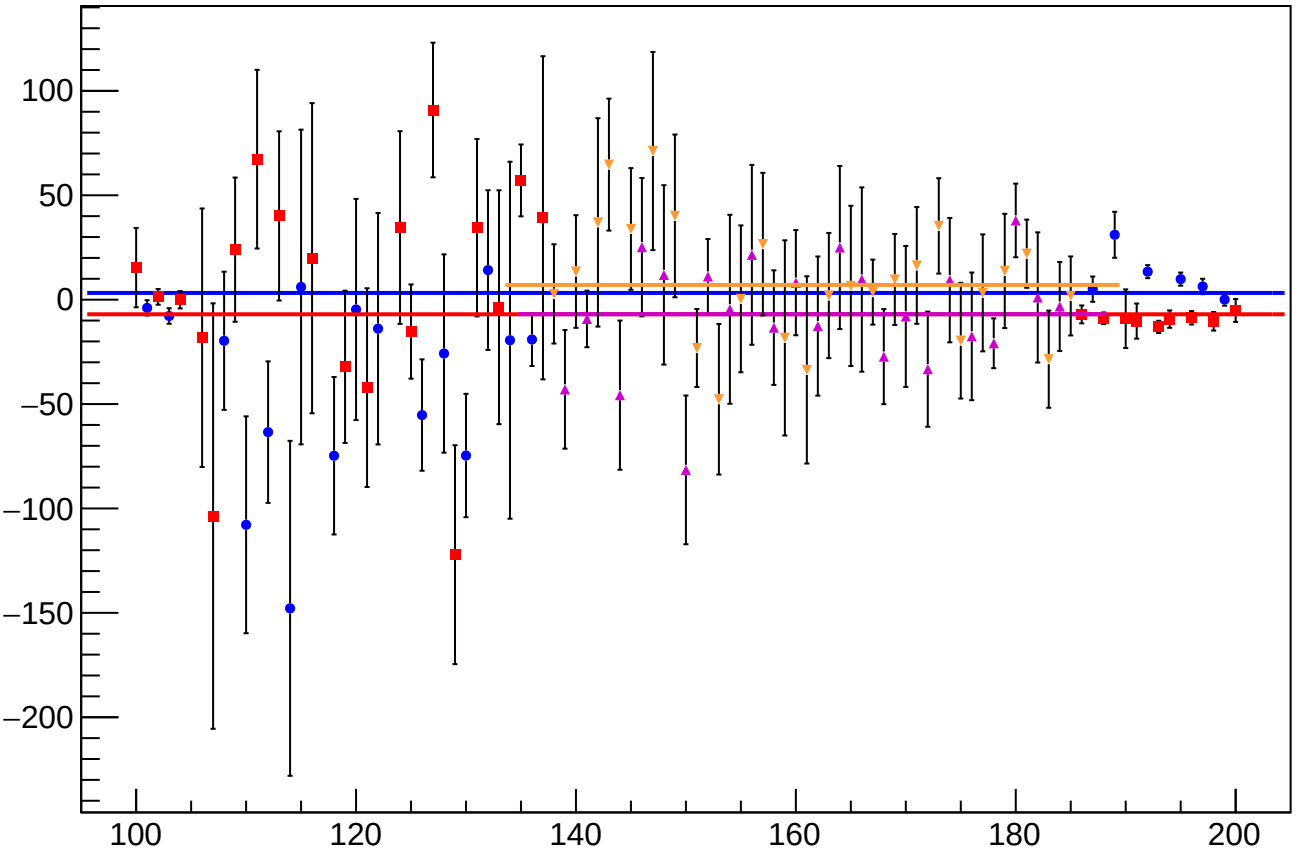
Right Out: 2828.649+/-0.580 χ^2/NDF: 2780707.1/27

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2559.326+/-0.369 χ^2/NDF: 10437826.7/46

All: 2591.033+/-0.259 χ^2/NDF: 19546200.6/9

- sign 2621.859+/-0.364 χ^2/NDF: 9093806.0/50



Right In: 3.230+/-1.304 χ^2/NDF: 68.2/21

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -6.994+/-1.196 χ^2/NDF: 52.7/27

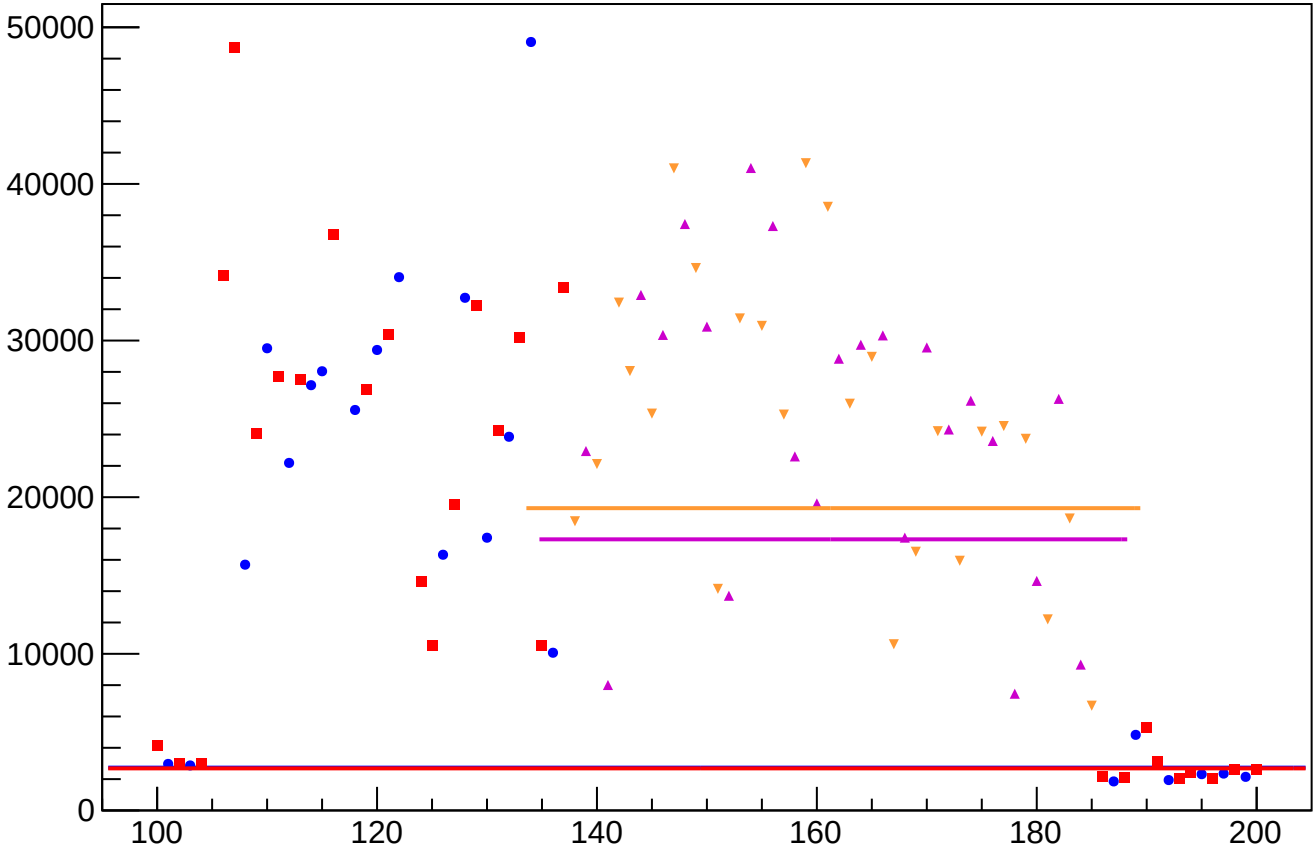
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 3.455+/-1.265 χ^2/NDF: 88.3/46

All: -2.203+/-0.857 χ^2/NDF: 199.0/97

- sign -6.992+/-1.164 χ^2/NDF: 73.8/50

diff_bpm0l03X_rms vs Slug



Right In: 2733.542+/-0.922 χ^2/NDF: 7855310.3/21

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2686.686+/-0.846 χ^2/NDF: 8796685.6/27

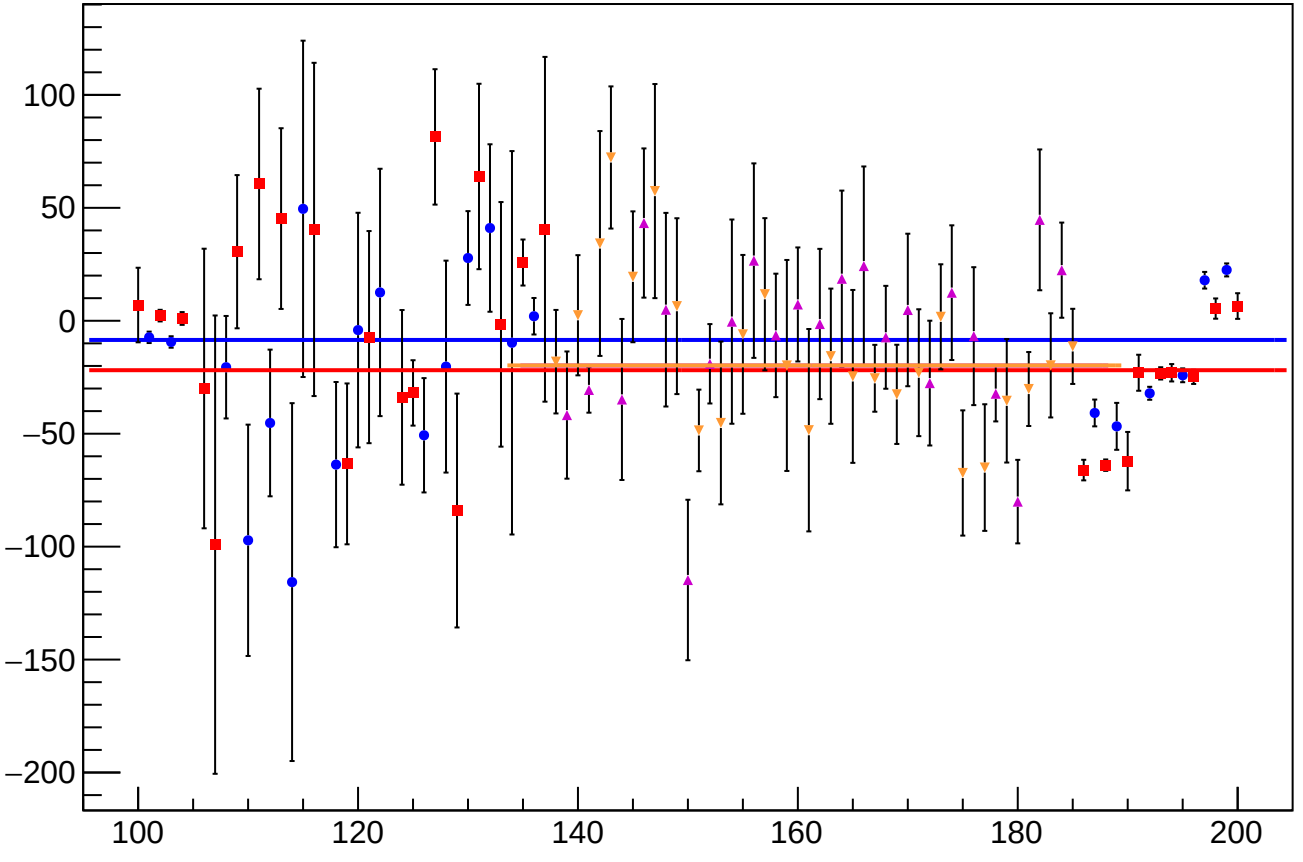
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3704.237+/-0.895 χ^2/NDF: 31800262.4/46

All: 3567.288+/-0.606 χ^2/NDF: 62999614.1/9

- sign 3451.385+/-0.823 χ^2/NDF: 31156100.6/50

diff_bpm0l03Y_mean vs Slug



Right In: -8.492+/-1.120 χ^2/NDF: 323.0/21

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

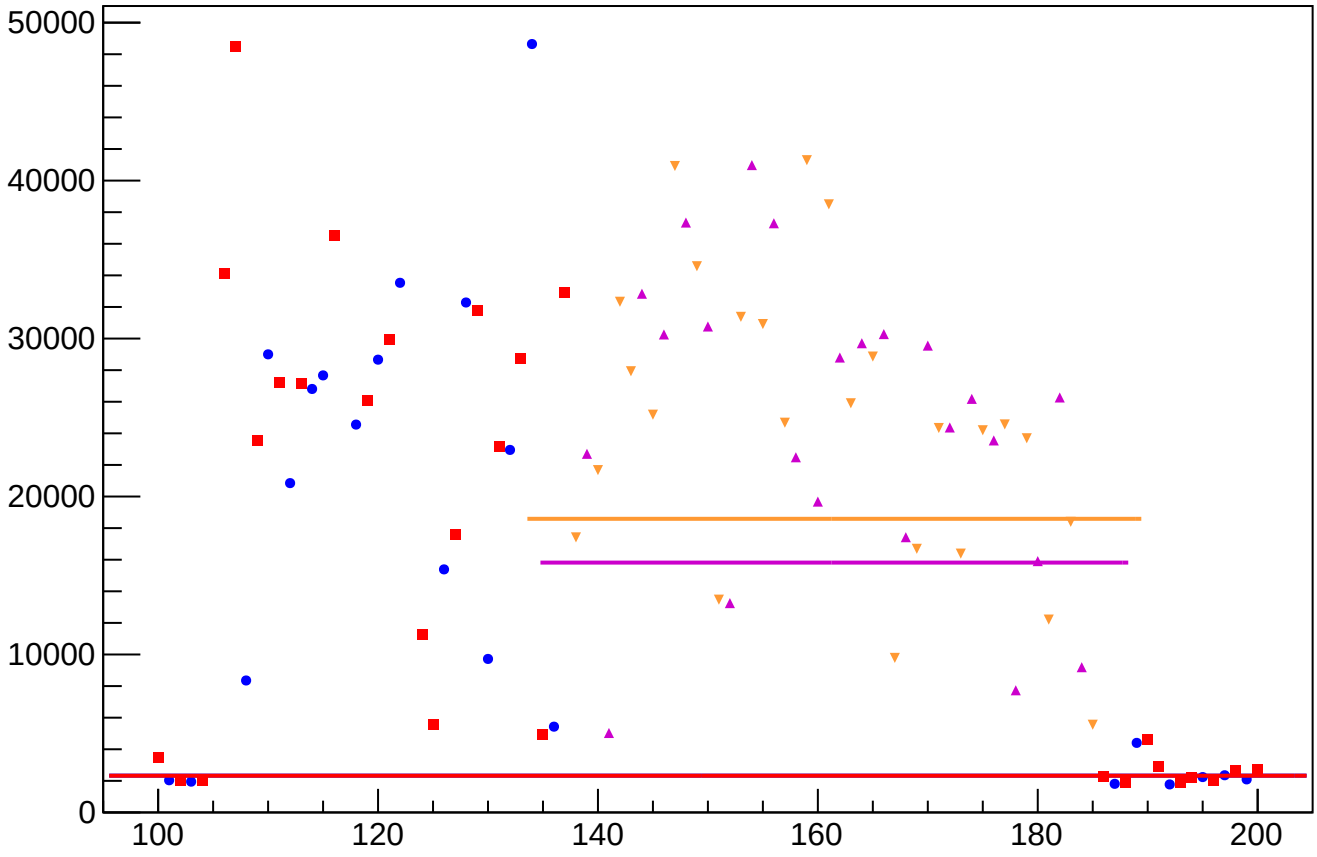
Right Out: -21.885+/-1.046 χ^2/NDF: 653.3/27

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -9.008+/-1.094 χ^2/NDF: 355.4/46

All: -15.833+/-0.747 χ^2/NDF: 1122.1/97

- sign -21.793+/-1.023 χ^2/NDF: 693.8/50



Right In: 2331.426+/-0.792 χ^2/NDF: 7025374.0/21

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2325.572+/-0.740 χ^2/NDF: 8322335.3/27

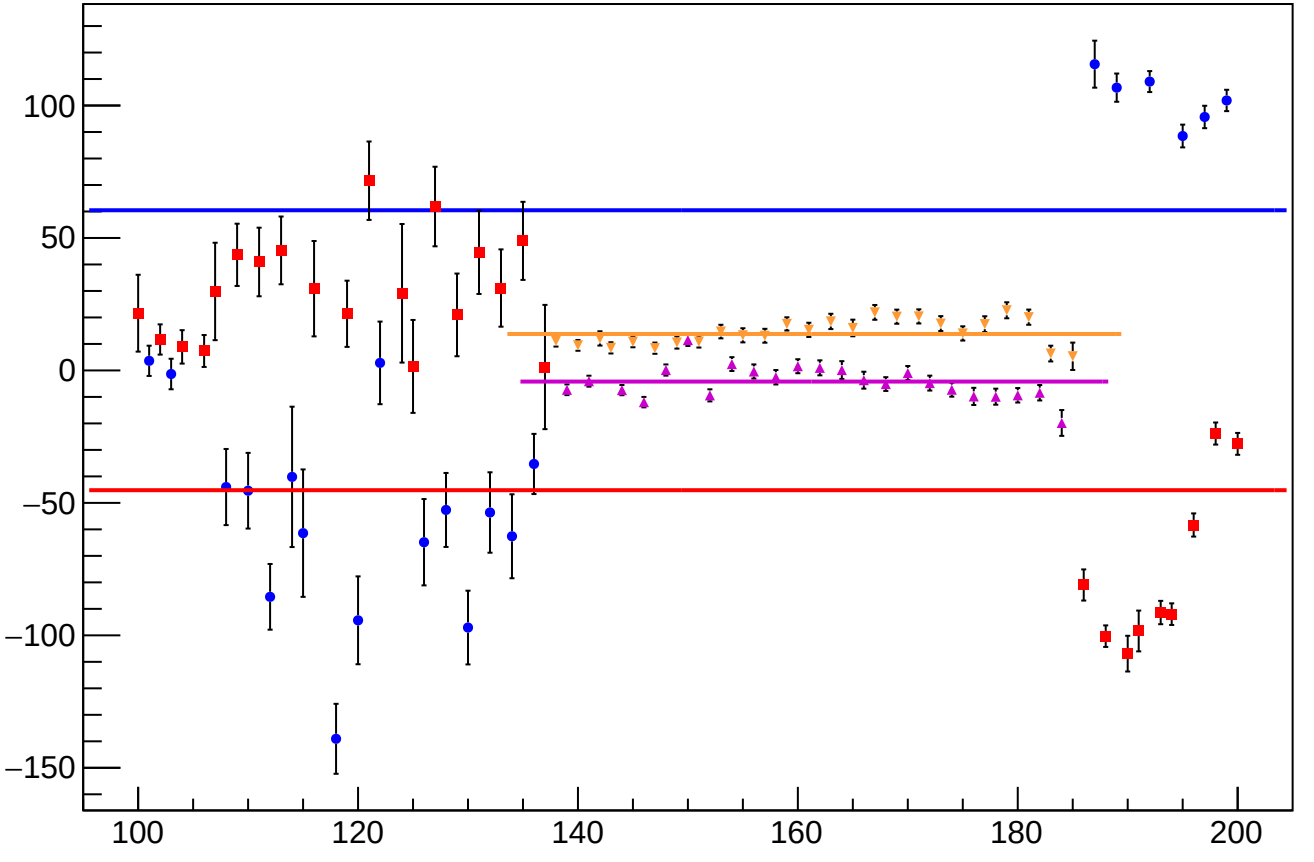
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3075.090+/-0.774 χ^2/NDF: 31991843.5/46

All: 2995.768+/-0.528 χ^2/NDF: 63555963.7/9

- sign 2926.500+/-0.723 χ^2/NDF: 31544436.0/50

diff_bpm0l04X_mean vs Slug



Right In: 60.461+/-1.567 χ^2/NDF: 1752.6/21

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -45.209+/-1.335 χ^2/NDF: 1382.5/27

Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 18.297+/-0.488 χ^2/NDF: 2631.8/46

All: 4.377+/-0.347 χ^2/NDF: 6592.3/97

- sign -9.787+/-0.493 χ^2/NDF: 2321.6/50

diff_bpm0l04X_rms vs Slug

Right In: 4896.684+/-1.108 χ^2/NDF: 3576097.1/21

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4595.722+/-0.944 χ^2/NDF: 3738854.6/27

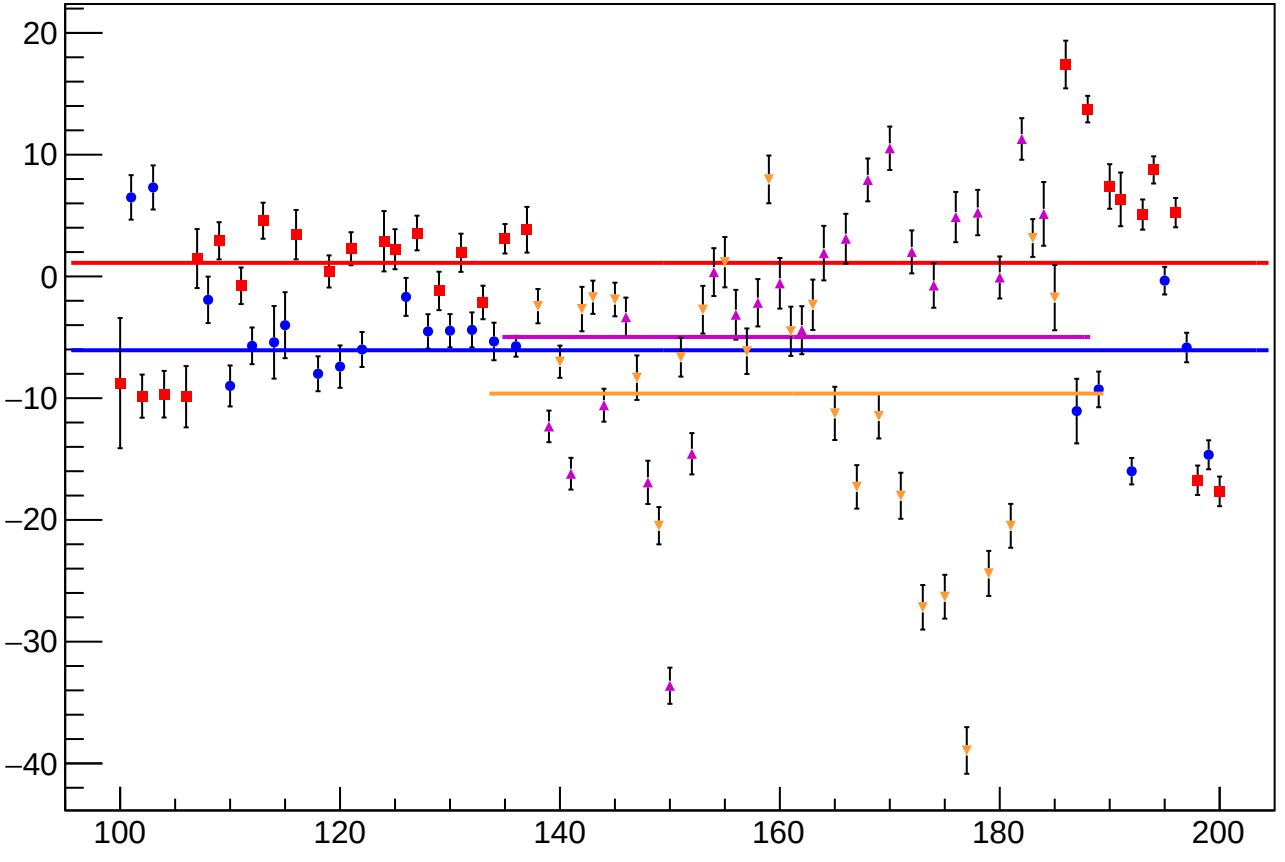
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2500.181+/-0.345 χ^2/NDF: 9414995.0/46

All: 2533.923+/-0.245 χ^2/NDF: 19156260.3/9

- sign 2568.254+/-0.348 χ^2/NDF: 9722007.0/50

diff_bpm0l04Y_mean vs Slug



Right In: -6.064+/-0.308 χ^2/NDF: 294.2/21

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 1.115+/-0.288 χ^2/NDF: 866.6/27

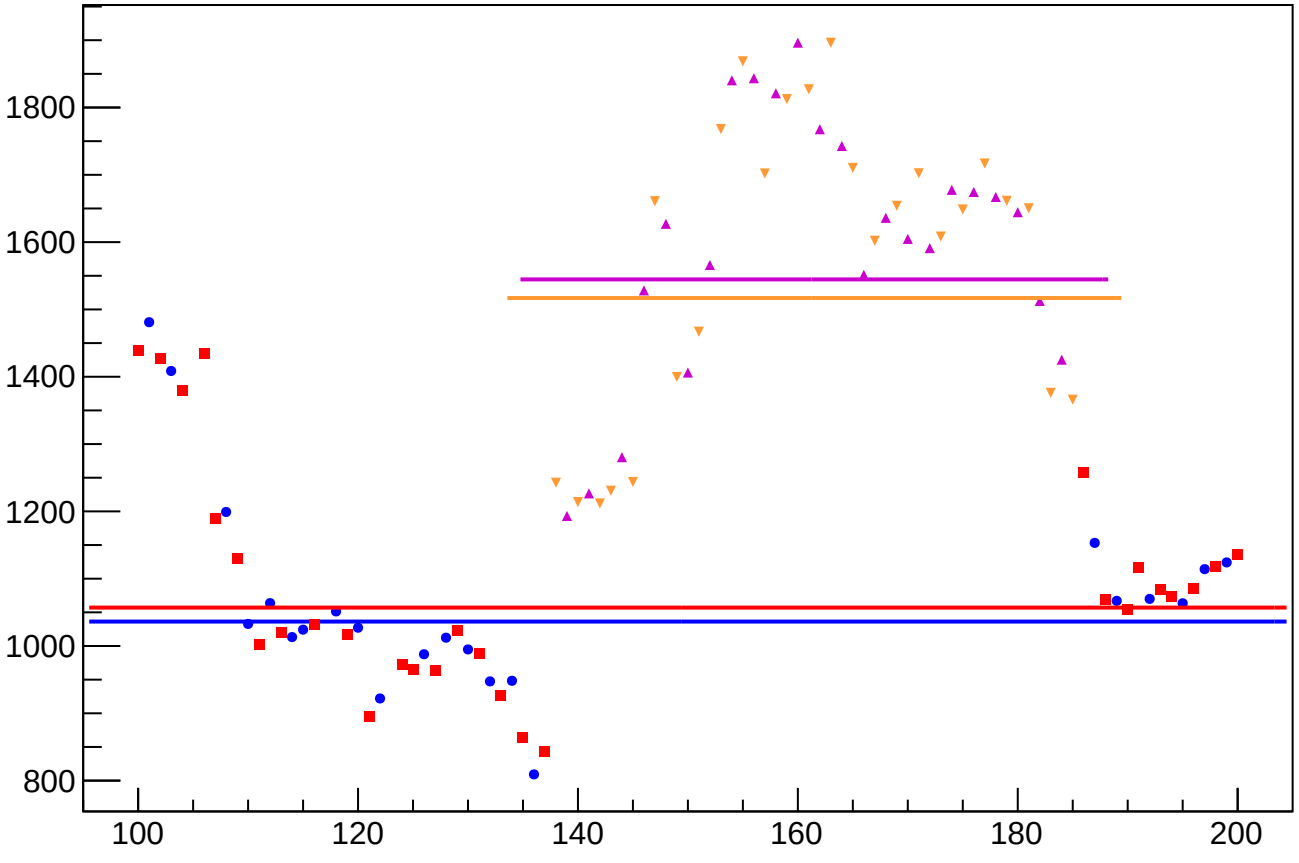
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.621+/-0.231 χ^2/NDF: 1287.0/46

All: -4.349+/-0.161 χ^2/NDF: 3647.9/97

- sign -1.221+/-0.226 χ^2/NDF: 1968.3/50

diff_bpm0l04Y_rms vs Slug



Right In: 1036.303+/-0.218 χ^2/NDF: 416818.6/21

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1057.069+/-0.203 χ^2/NDF: 398845.3/27

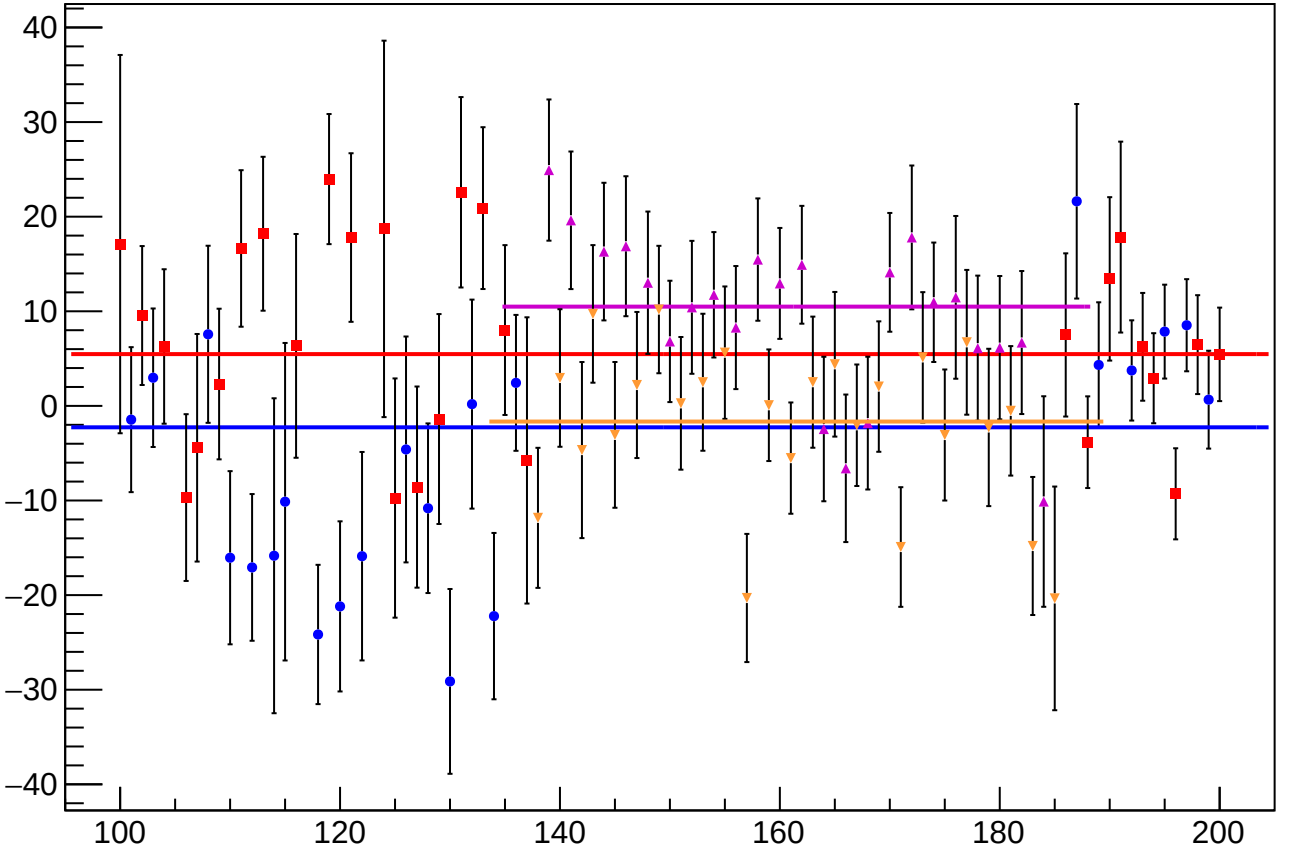
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1246.597+/-0.163 χ^2/NDF: 3382970.8/46

All: 1245.309+/-0.114 χ^2/NDF: 6624982.5/97

- sign 1244.078+/-0.160 χ^2/NDF: 3241890.2/50

diff_bpm0l05X_mean vs Slug



Right In: -2.264+/-1.621 χ^2/NDF: 54.4/21

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

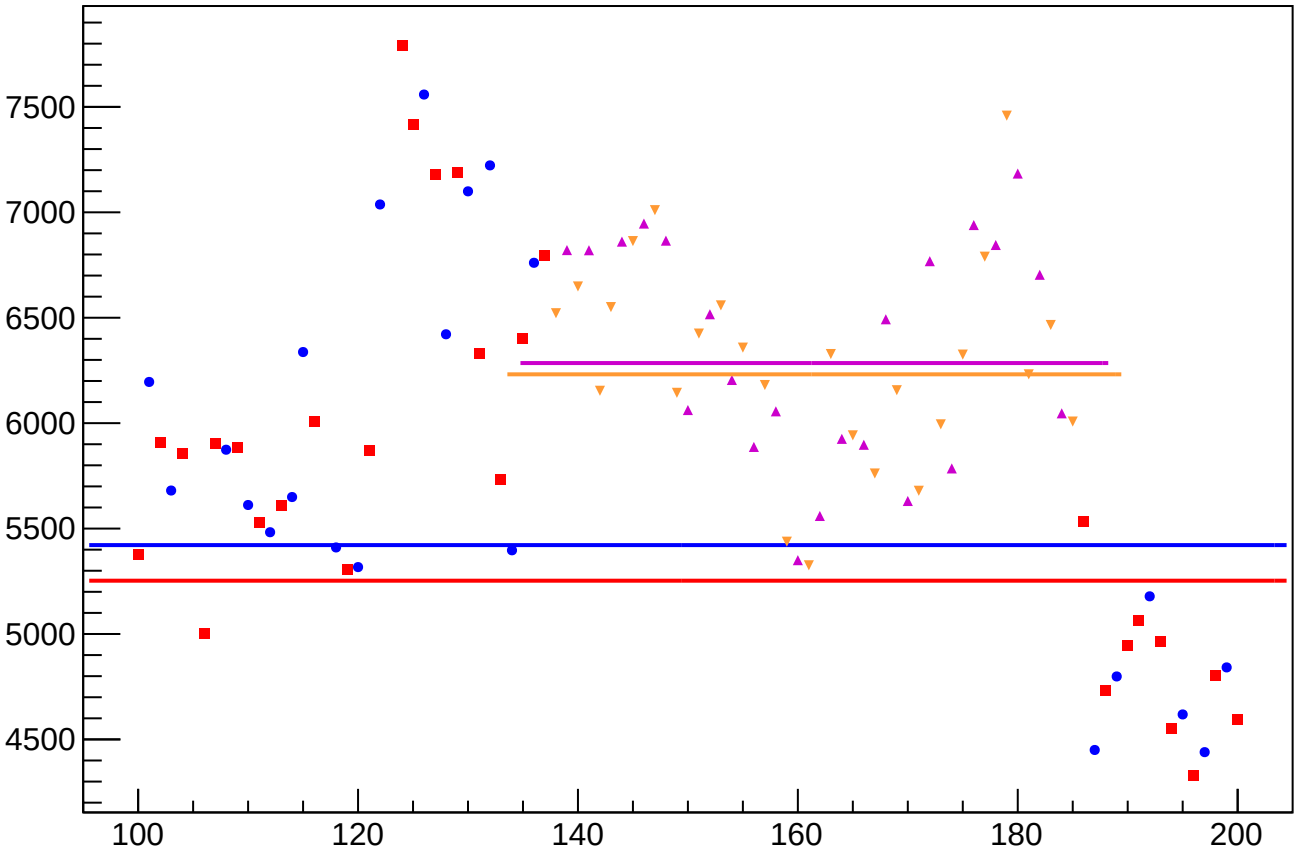
Right Out: 5.474+/-1.438 χ^2/NDF: 44.5/27

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

\+ sign -1.921+/-1.071 χ^2/NDF: 86.0/46

All: 3.180+/-0.743 χ^2/NDF: 205.1/97

\- sign 7.912+/-1.031 χ^2/NDF: 75.4/50



Right In: 5421.632+/-1.146 χ^2/NDF: 547548.8/21

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5252.791+/-1.017 χ^2/NDF: 572037.9/27

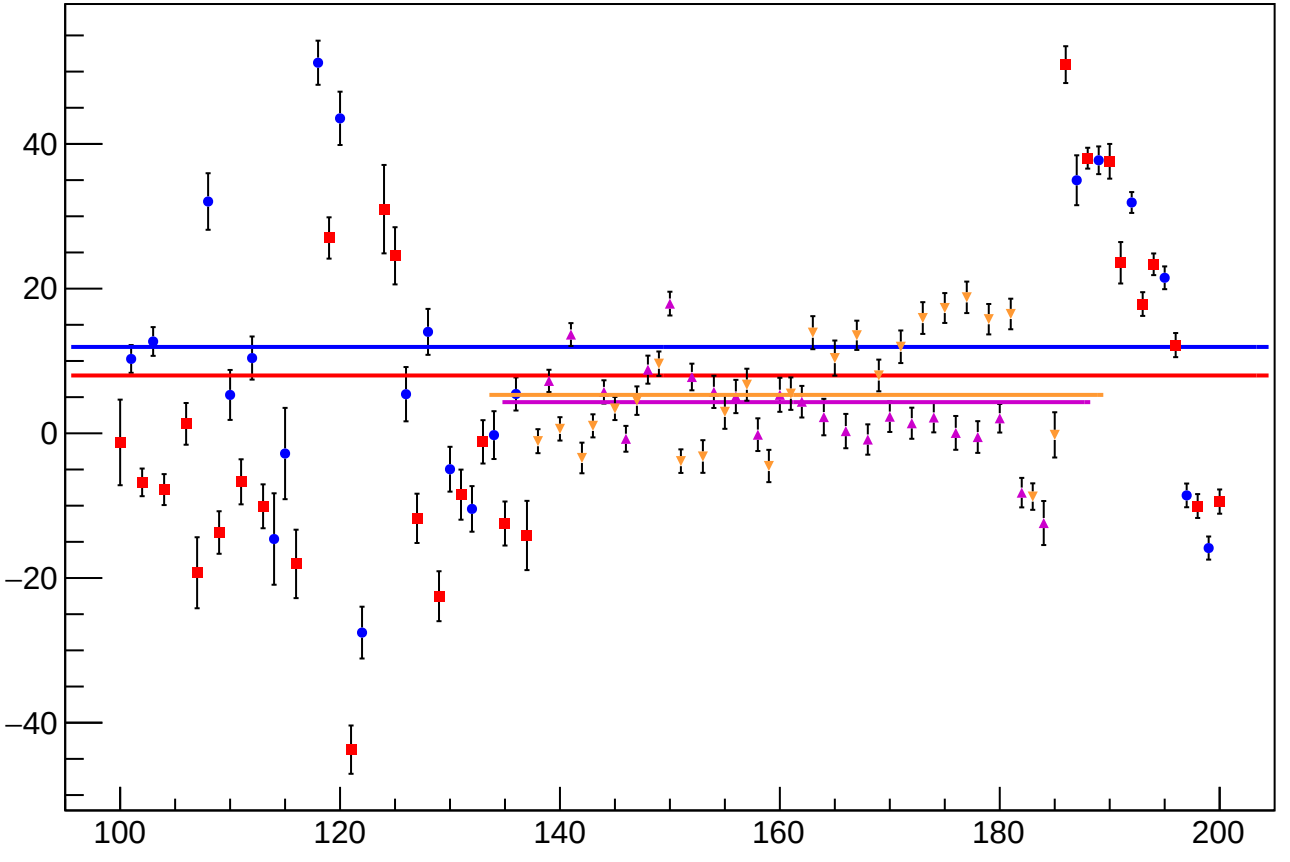
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5878.223+/-0.757 χ^2/NDF: 1055873.0/46

All: 5813.959+/-0.525 χ^2/NDF: 2407568.5/97

- sign 5754.344+/-0.729 χ^2/NDF: 1337812.1/50

diff_bpm0l05Y_mean vs Slug



Right In: 11.941+/-0.516 χ^2/NDF: 1435.3/21

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

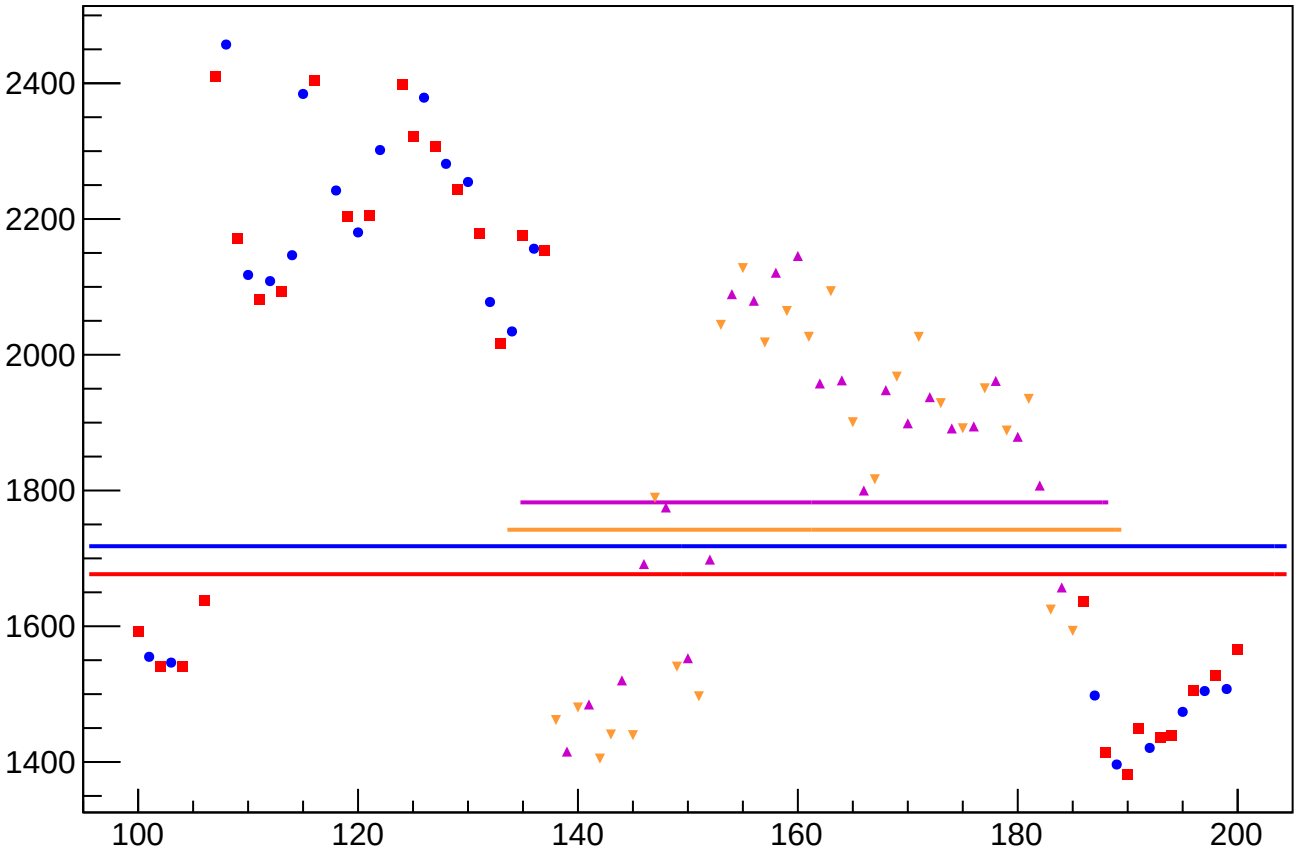
Right Out: 7.995+/-0.461 χ^2/NDF: 2098.2/27

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 7.805+/-0.316 χ^2/NDF: 1916.4/46

All: 6.877+/-0.222 χ^2/NDF: 4286.9/97

\- sign 5.982+/-0.310 χ^2/NDF: 2353.5/50



Right In: 1717.935+/-0.365 χ^2/NDF: 906386.7/21

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1676.698+/-0.326 χ^2/NDF: 951793.8/27

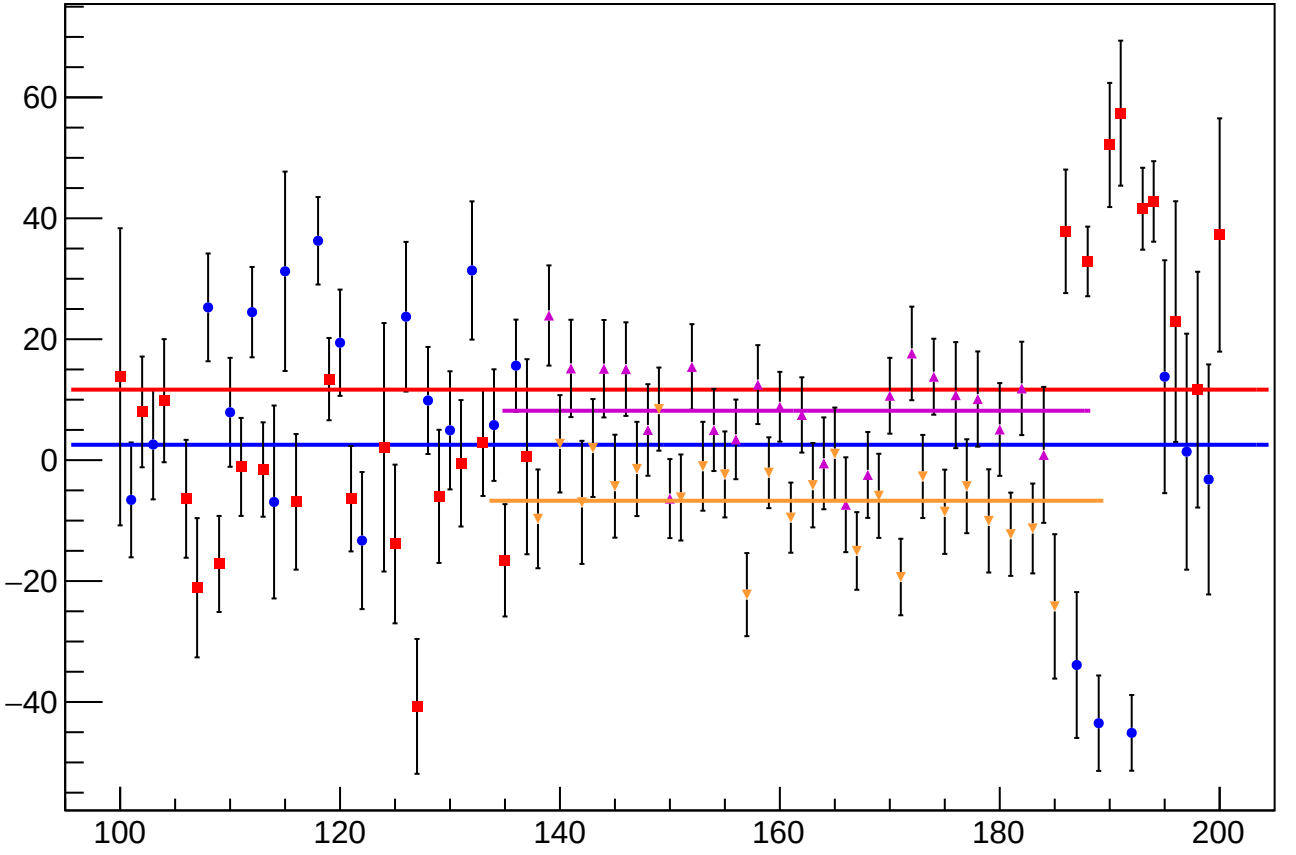
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1733.086+/-0.224 χ^2/NDF: 1676817.4/46

All: 1733.805+/-0.157 χ^2/NDF: 3220569.7/97

- sign 1734.497+/-0.220 χ^2/NDF: 1543732.0/50

diff_bpm0l06X_mean vs Slug



Right In: 2.543+/-2.057 χ^2/NDF: 161.8/21

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

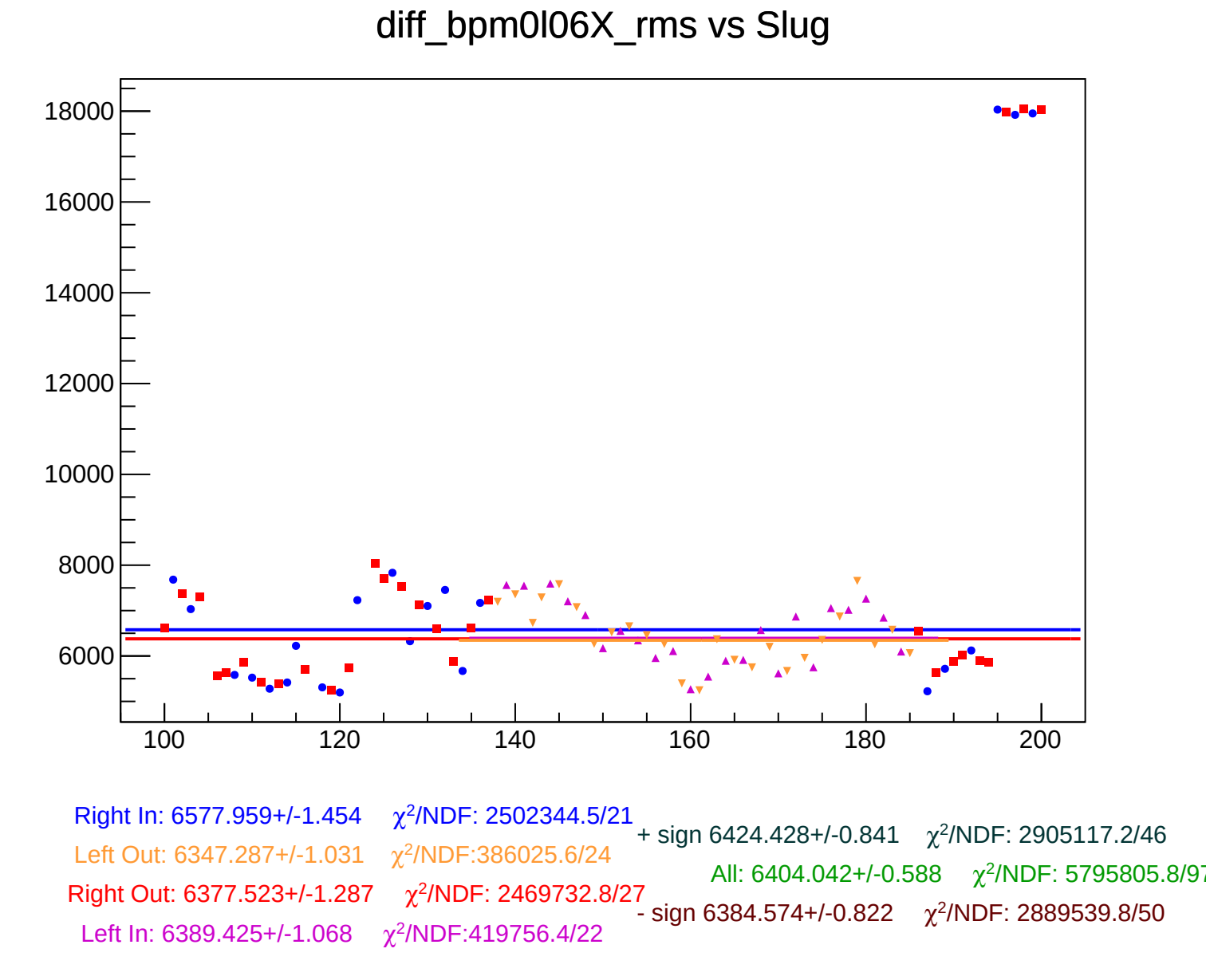
Right Out: 11.661+/-1.820 χ^2/NDF: 171.7/27

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

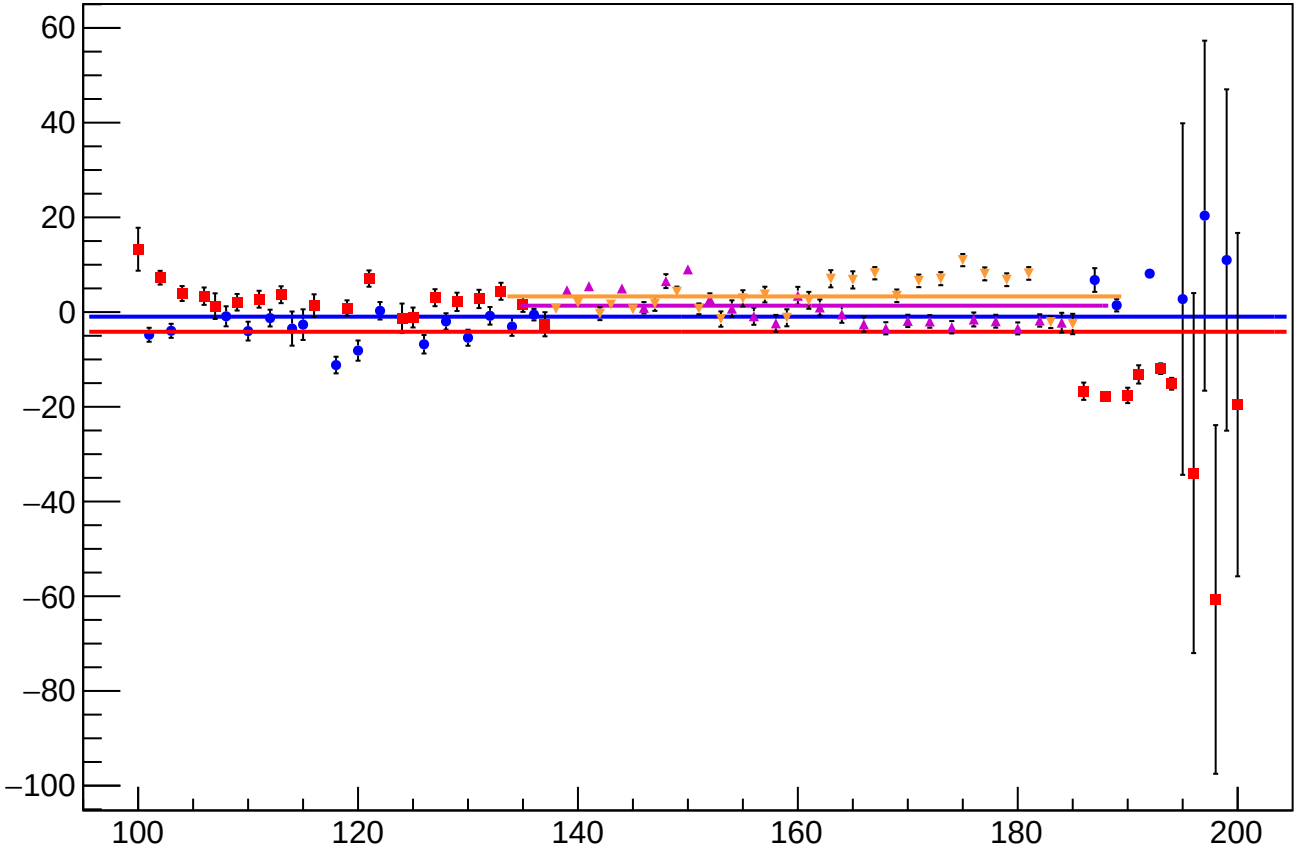
+ sign -3.617+/-1.189 χ^2/NDF: 201.0/46

All: 3.140+/-0.831 χ^2/NDF: 462.1/97

- sign 9.594+/-1.162 χ^2/NDF: 198.0/50


diff_bpm0l06X_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 6577.959+/-1.454 χ²/NDF: 2502344.5/21
Left Out: 6347.287+/-1.031 χ²/NDF:386025.6/24
Right Out: 6377.523+/-1.287 χ²/NDF: 2469732.8/27
Left In: 6389.425+/-1.068 χ²/NDF:419756.4/22
+ sign 6424.428+/-0.841 χ²/NDF: 2905117.2/46
All: 6404.042+/-0.588 χ²/NDF: 5795805.8/97
- sign 6384.574+/-0.822 χ²/NDF: 2889539.8/50

diff_bpm0l06Y_mean vs Slug



Right In: -0.965+/-0.386 χ^2/NDF: 179.4/21

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.154+/-0.342 χ^2/NDF: 747.6/27

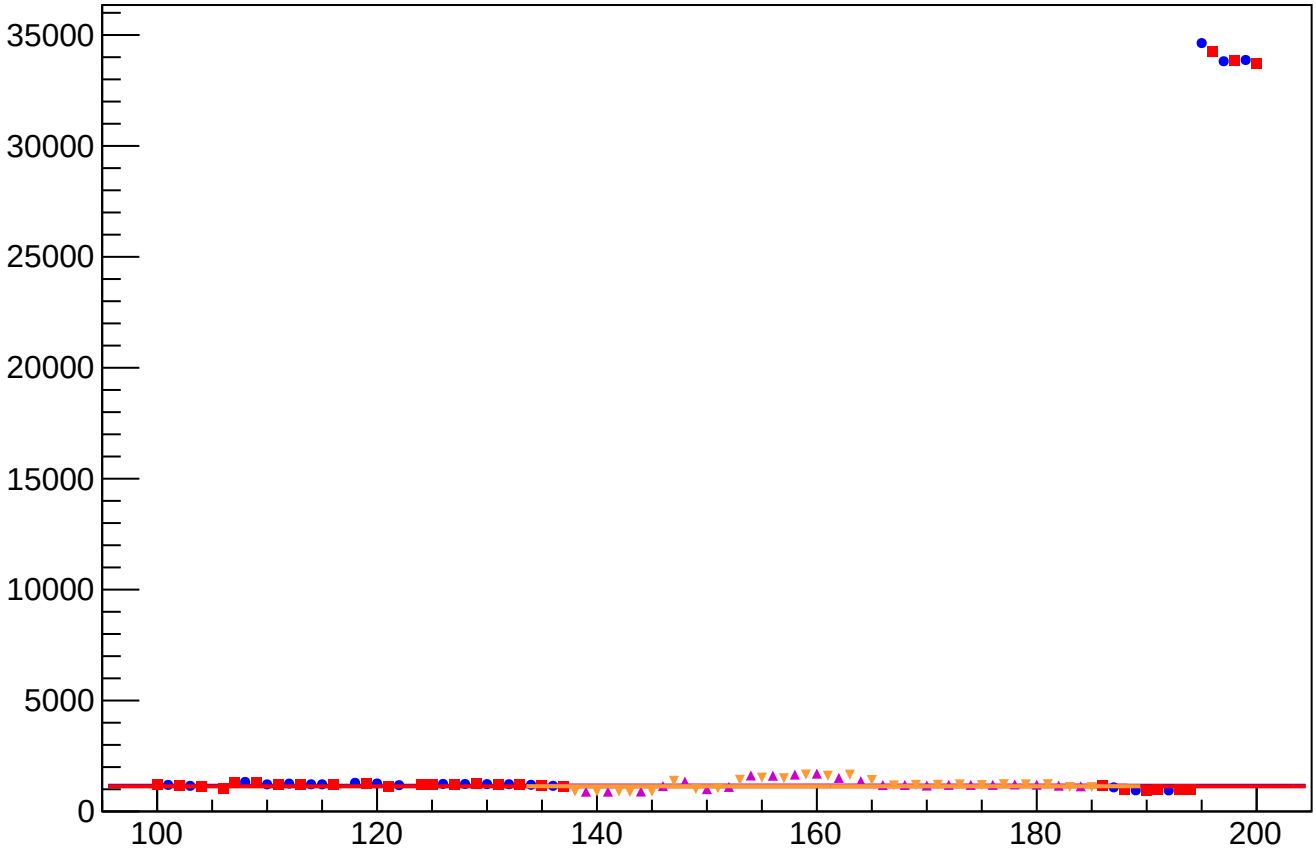
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.945+/-0.218 χ^2/NDF: 440.8/46

All: 0.541+/-0.153 χ^2/NDF: 1623.1/97

- sign -0.824+/-0.215 χ^2/NDF: 1100.6/50

diff_bpm0l06Y_rms vs Slug



Right In: 1158.666+/-0.273 χ^2/NDF: 5038502.6/21

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1131.649+/-0.242 χ^2/NDF: 4934751.0/27

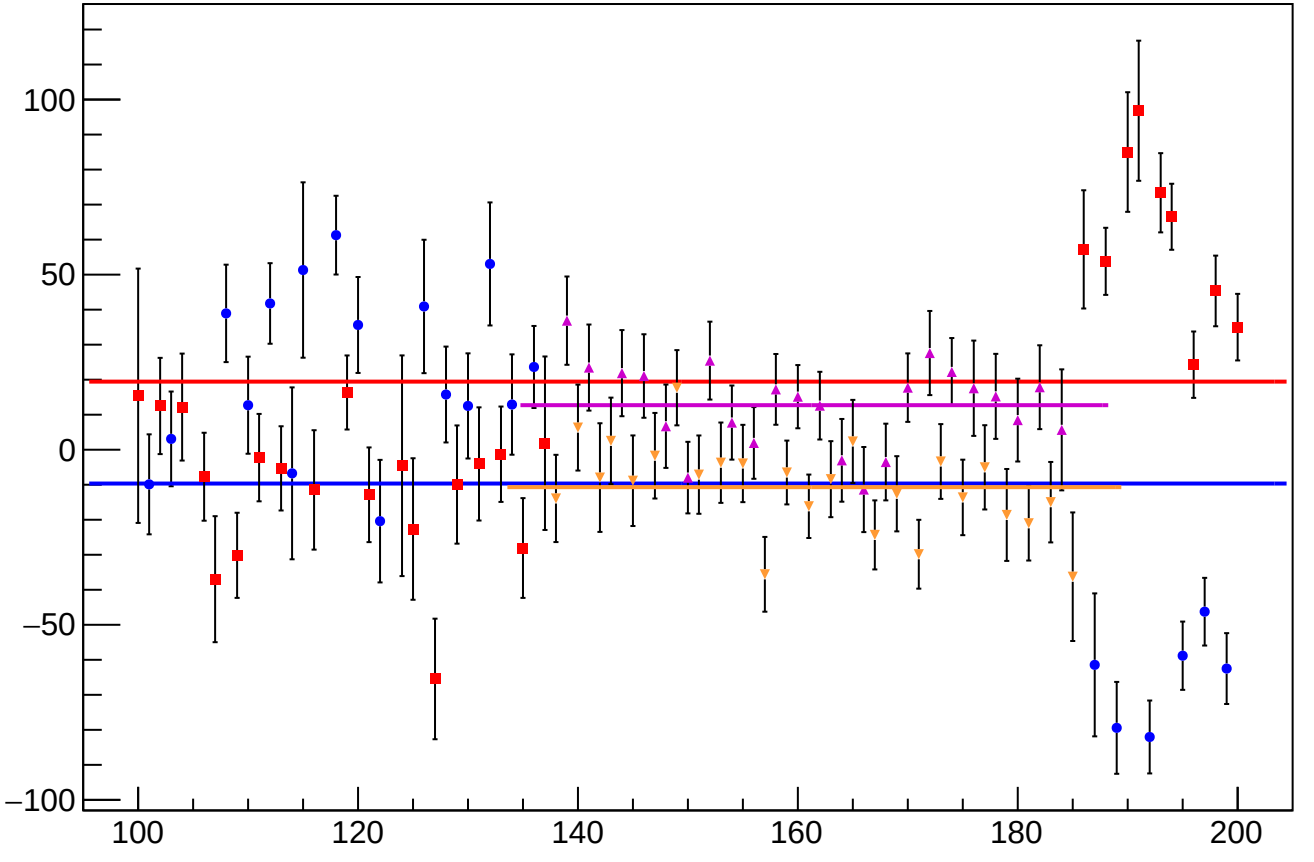
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1144.022+/-0.154 χ^2/NDF: 6512417.7/46

All: 1146.265+/-0.108 χ^2/NDF: 12715355.0/9

- sign 1148.444+/-0.152 χ^2/NDF: 6202520.7/50

diff_bpm0l07X_mean vs Slug



Right In: -9.660+/-2.835 χ^2/NDF: 278.8/21

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 19.448+/-2.538 χ^2/NDF: 201.1/27

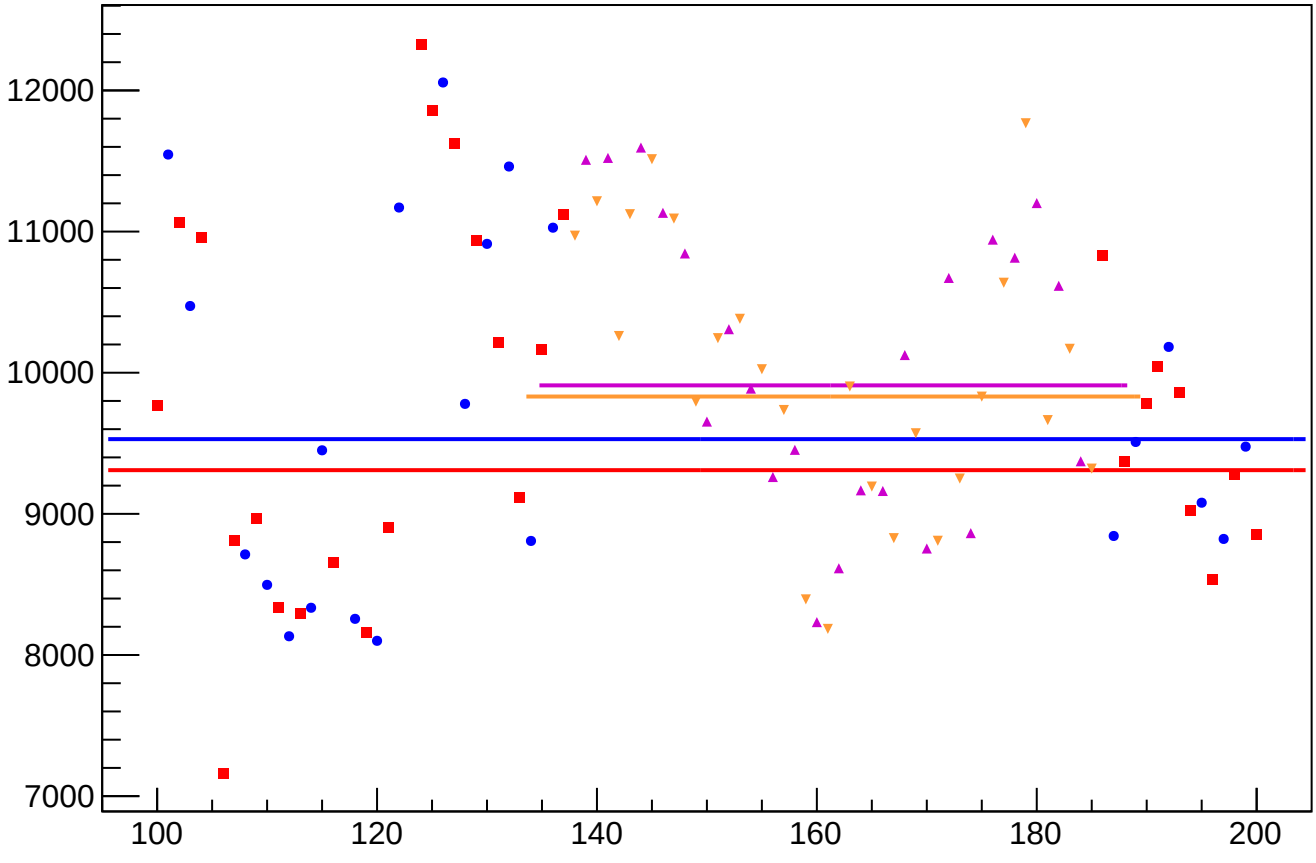
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -10.294+/-1.766 χ^2/NDF: 307.6/46

All: 3.098+/-1.232 χ^2/NDF: 648.6/97

- sign 15.812+/-1.721 χ^2/NDF: 229.0/50

diff_bpm0l07X_rms vs Slug



Right In: 9529.408+/-2.005 χ^2/NDF: 306756.9/21

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9309.595+/-1.795 χ^2/NDF: 347244.5/27

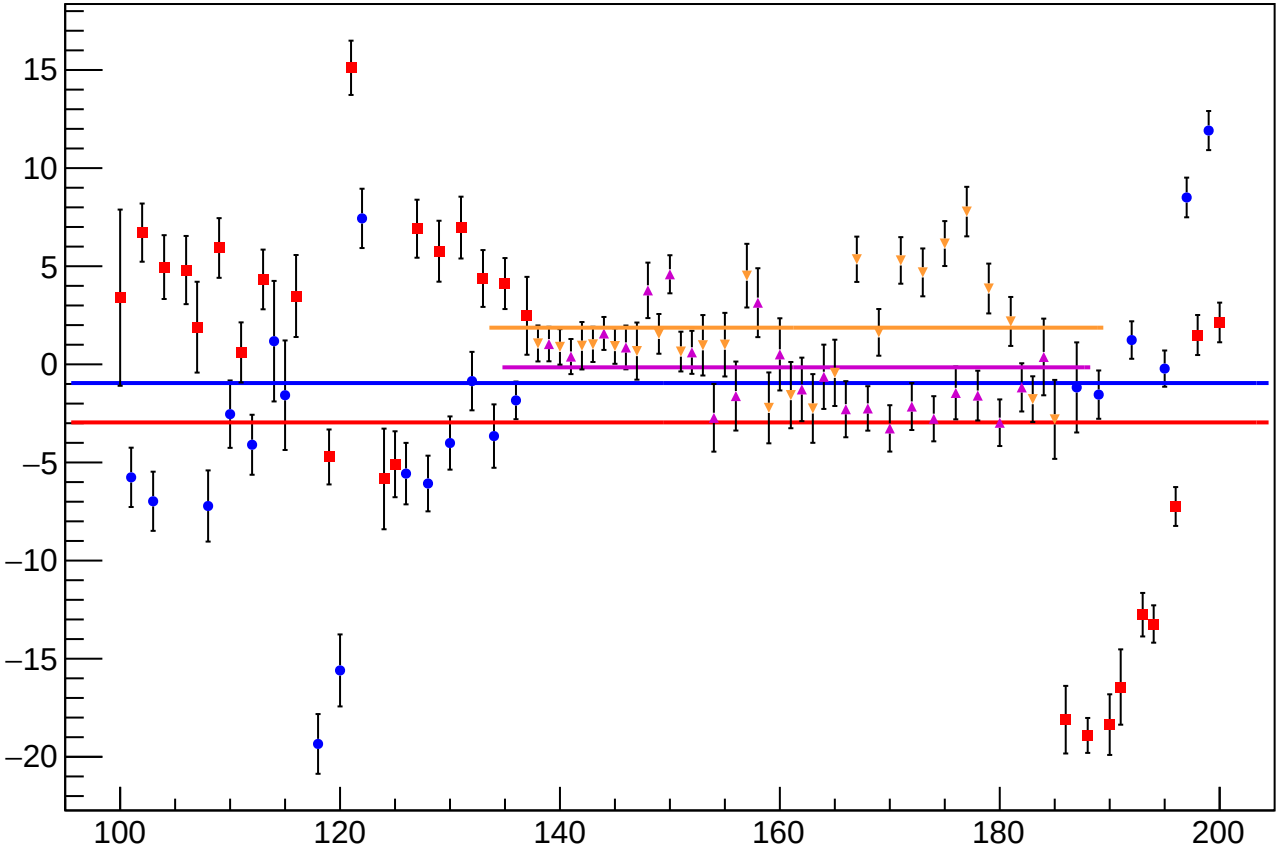
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9714.181+/-1.249 χ^2/NDF: 676761.0/46

All: 9673.136+/-0.871 χ^2/NDF: 1476021.9/97

- sign 9634.166+/-1.217 χ^2/NDF: 797154.6/50

diff_bpm0l07Y_mean vs Slug



Right In: -0.953+/-0.291 χ^2/NDF: 574.9/21

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.959+/-0.265 χ^2/NDF: 1323.3/27

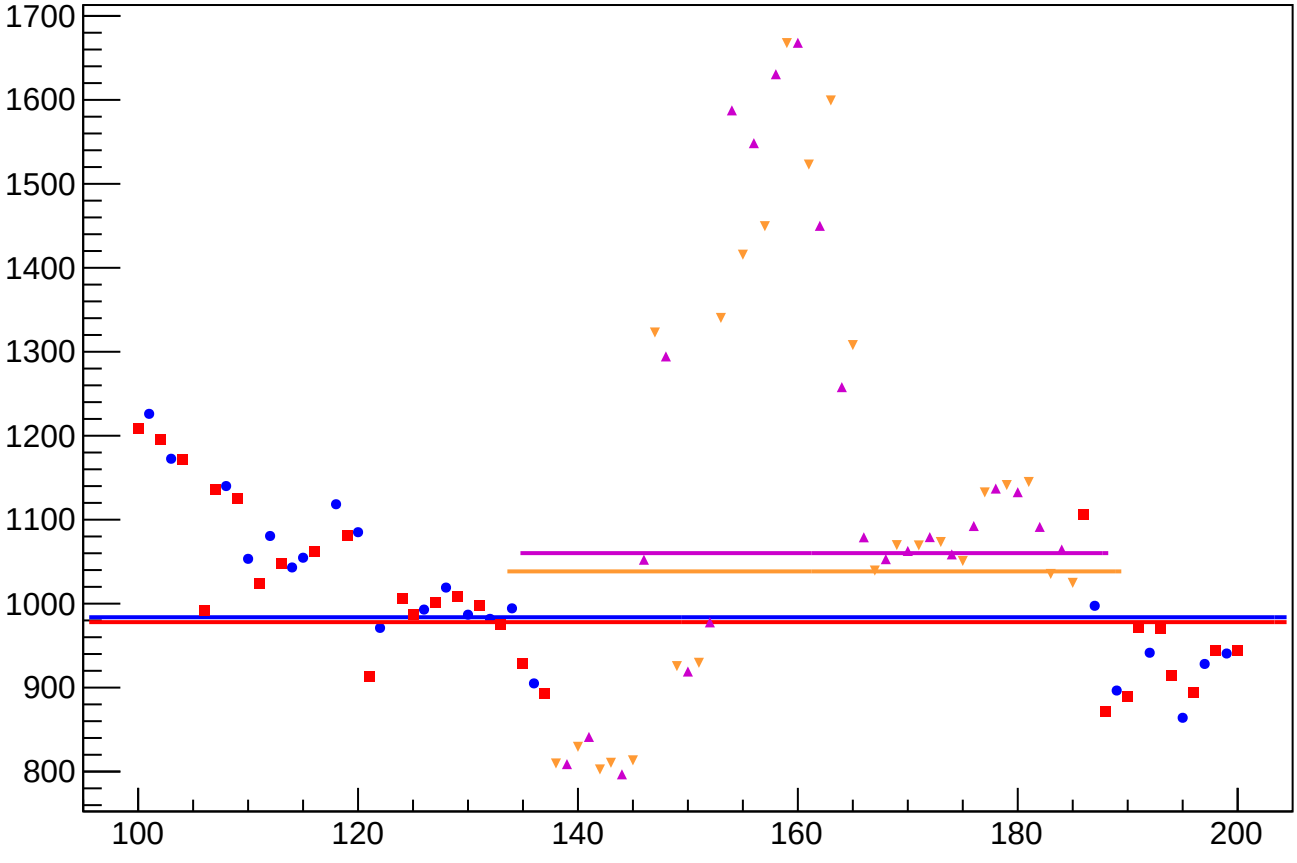
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.711+/-0.186 χ^2/NDF: 733.6/46

All: -0.410+/-0.131 χ^2/NDF: 2262.3/97

- sign -1.498+/-0.184 χ^2/NDF: 1457.4/50

diff_bpm0l07Y_rms vs Slug



Right In: 983.808+/-0.206 χ^2/NDF: 205231.1/21

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 977.980+/-0.187 χ^2/NDF: 211760.8/27

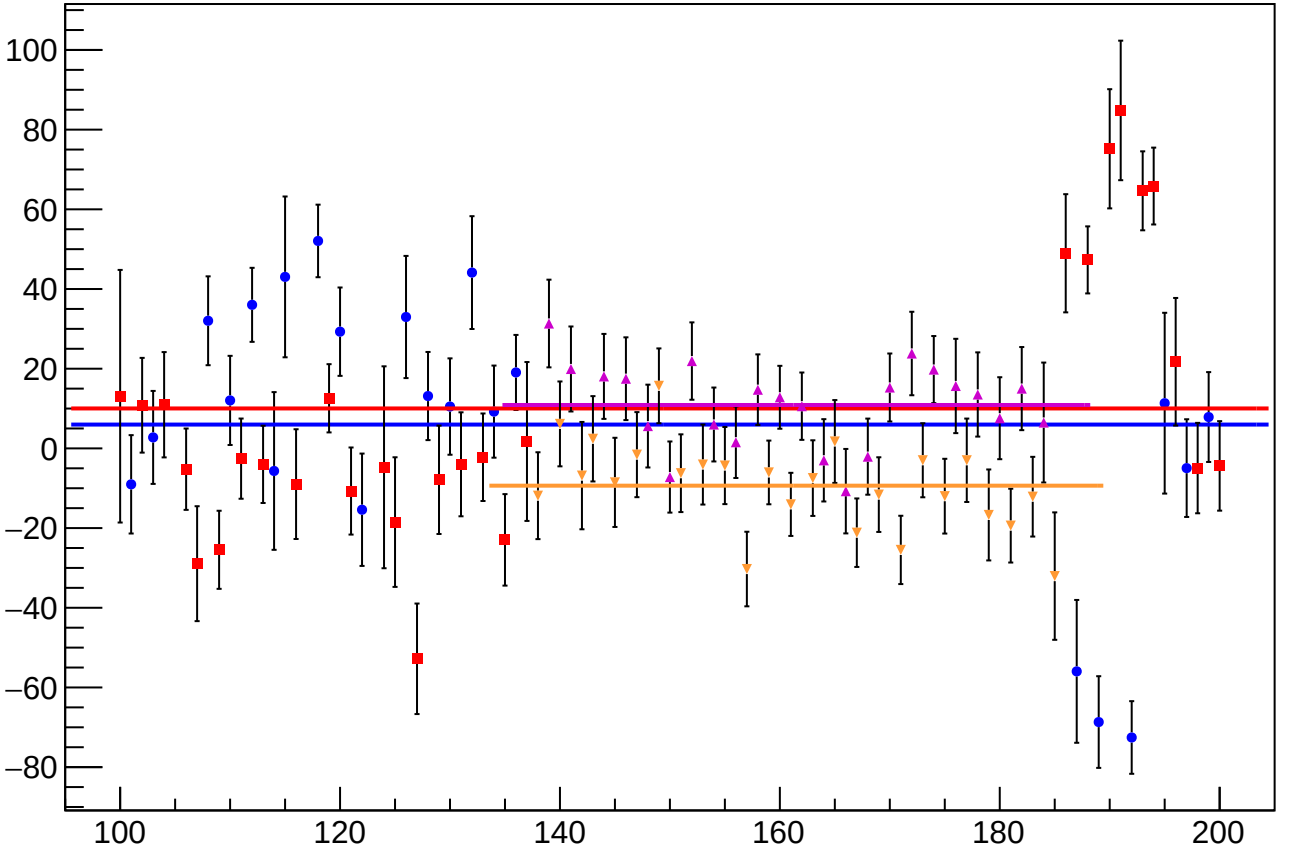
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1015.996+/-0.132 χ^2/NDF: 1953474.5/46

All: 1018.411+/-0.092 χ^2/NDF: 3789130.3/97

- sign 1020.756+/-0.130 χ^2/NDF: 1834993.7/50

diff_bpm0l08X_mean vs Slug



Right In: 5.979+/-2.549 χ^2/NDF: 195.9/21

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 10.023+/-2.273 χ^2/NDF: 200.0/27

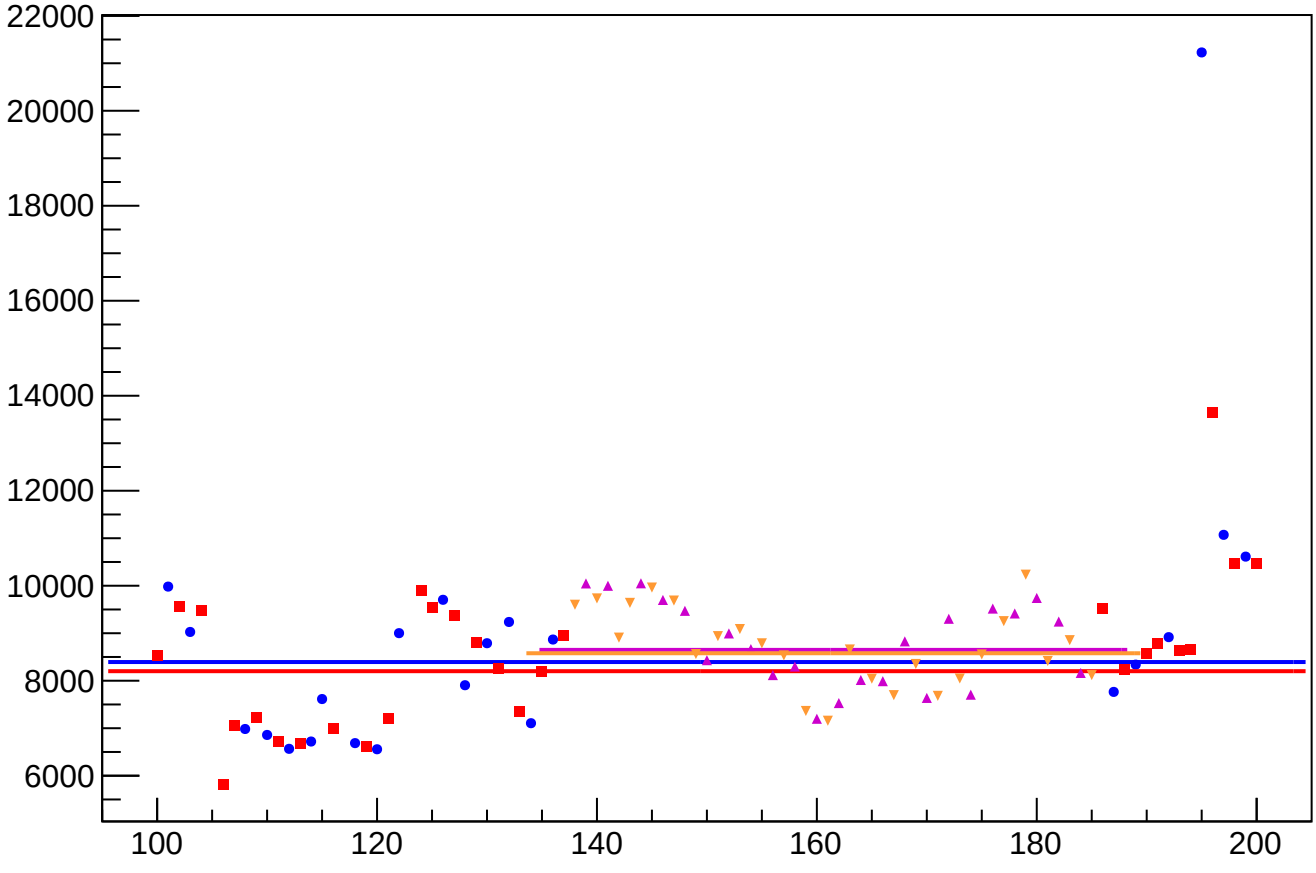
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

\+ sign -3.624+/-1.558 χ^2/NDF: 247.1/46

All: 3.619+/-1.088 χ^2/NDF: 512.8/97

\- sign 10.504+/-1.519 χ^2/NDF: 223.6/50

diff_bpm0l08X_rms vs Slug



Right In: 8393.490+/-1.802 χ^2/NDF: 1211897.2/21

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8200.845+/-1.607 χ^2/NDF: 855962.1/27

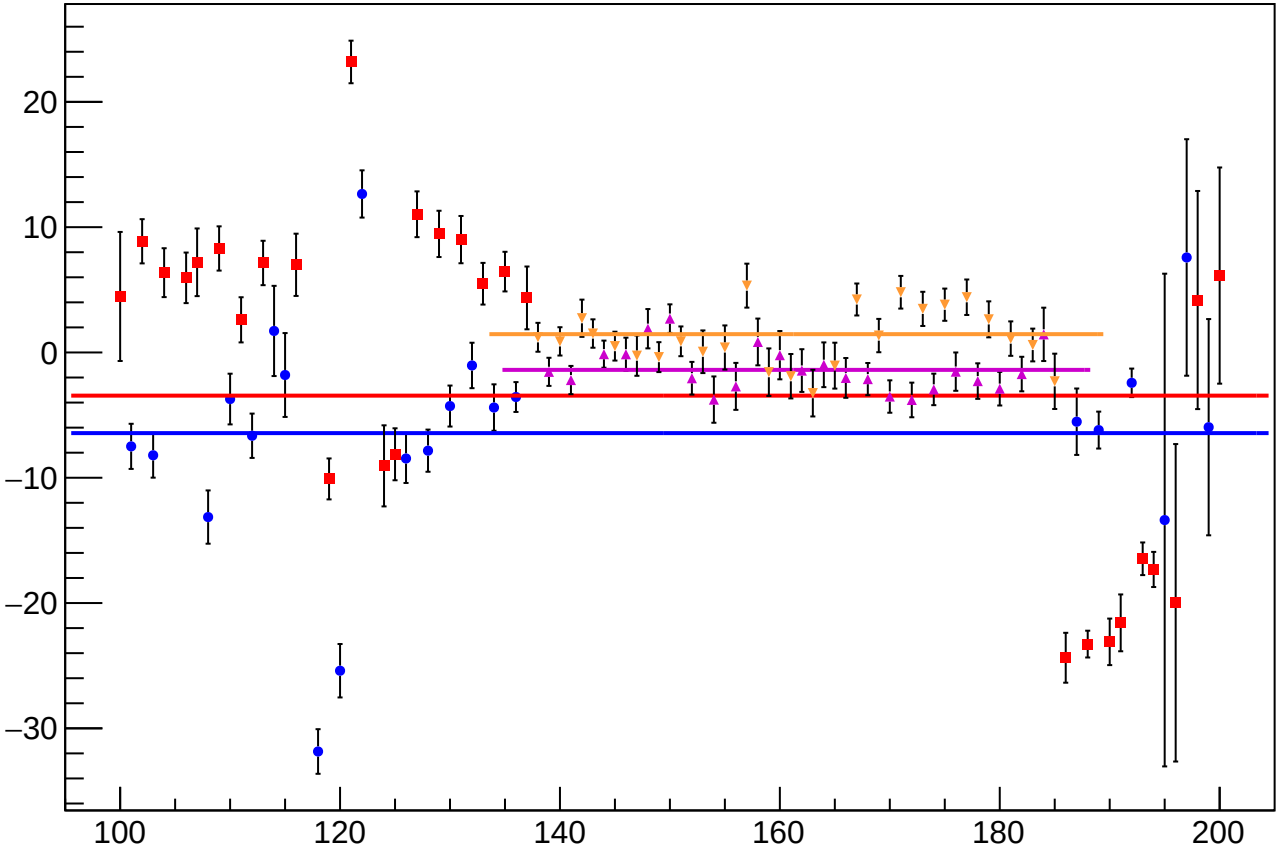
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8509.280+/-1.102 χ^2/NDF: 1562209.8/46

All: 8478.334+/-0.769 χ^2/NDF: 2840702.0/97

- sign 8448.918+/-1.074 χ^2/NDF: 1276953.6/50

diff_bpm0l08Y_mean vs Slug



Right In: -6.437+/-0.406 χ^2/NDF: 439.8/21

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.446+/-0.360 χ^2/NDF: 1557.9/27

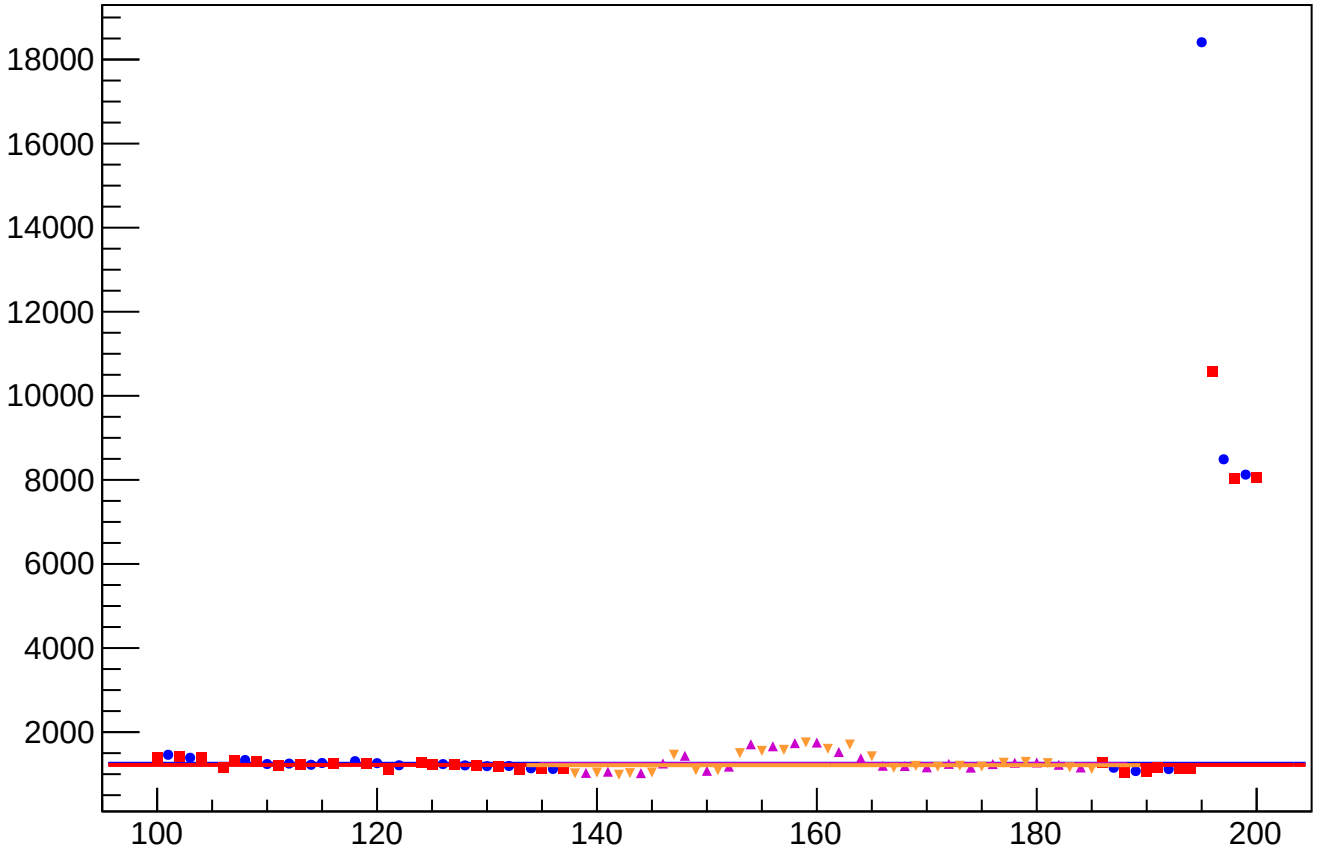
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.095+/-0.231 χ^2/NDF: 747.4/46

All: -1.661+/-0.162 χ^2/NDF: 2372.2/97

- sign -2.212+/-0.228 χ^2/NDF: 1613.0/50

diff_bpm0l08Y_rms vs Slug



Right In: 1246.785+/-0.287 χ^2/NDF: 4108170.0/21

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1219.658+/-0.255 χ^2/NDF: 3737712.4/27

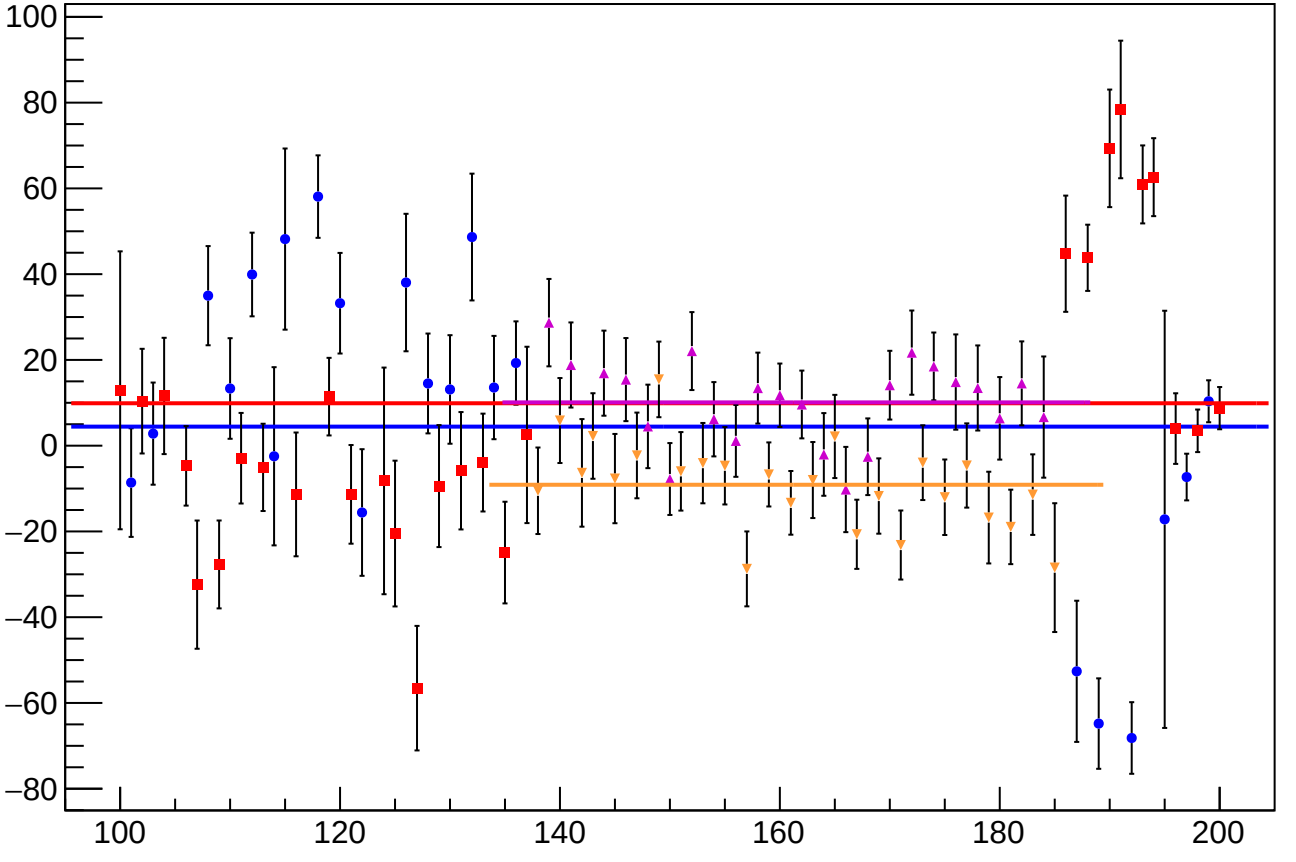
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1224.112+/-0.163 χ^2/NDF: 5130176.5/46

All: 1227.783+/-0.115 χ^2/NDF: 9758005.3/97

- sign 1231.367+/-0.161 χ^2/NDF: 4626827.9/50

diff_bpm0l09X_mean vs Slug



Right In: 4.443+/-2.191 χ^2/NDF: 219.7/21

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 9.893+/-1.920 χ^2/NDF: 201.6/27

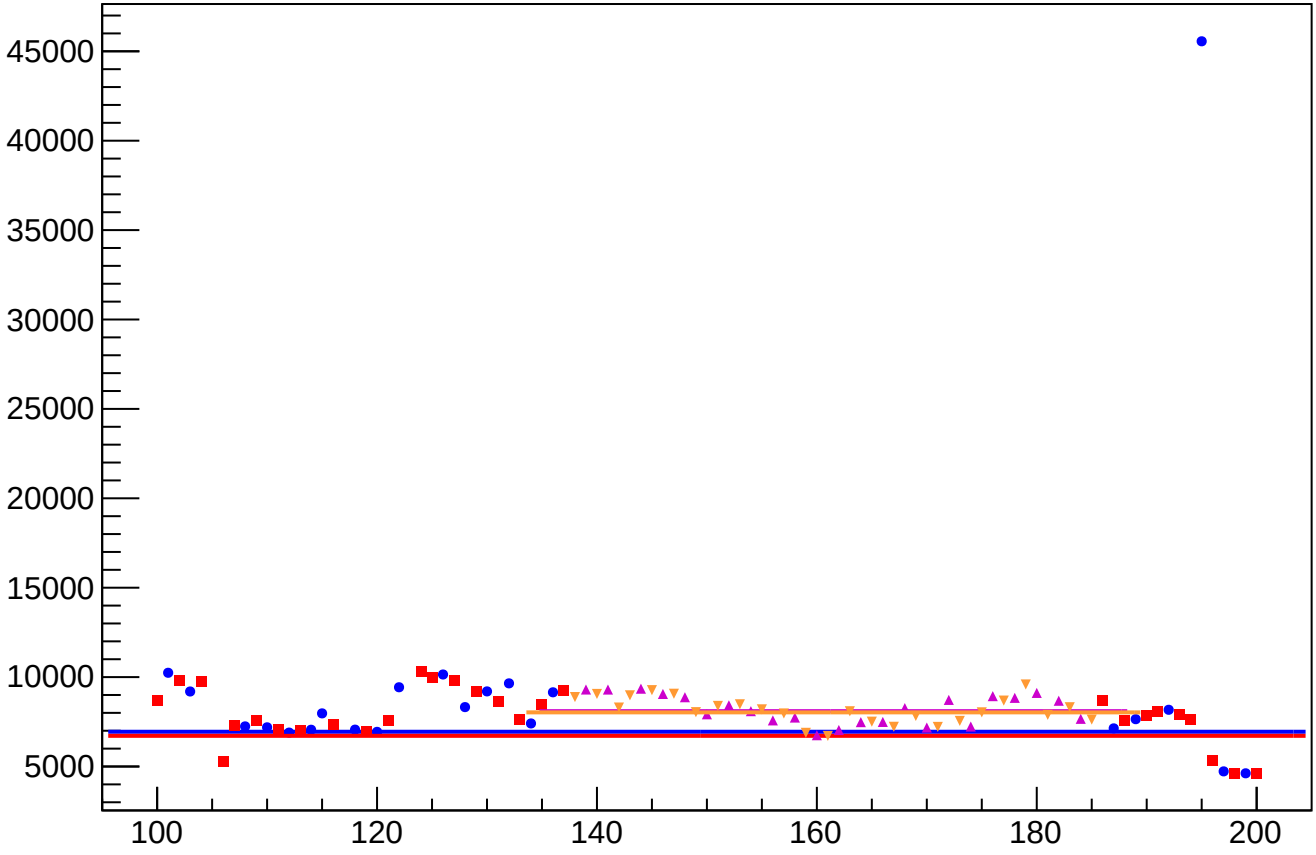
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -3.499+/-1.410 χ^2/NDF: 270.9/46

All: 3.519+/-0.977 χ^2/NDF: 544.4/97

- sign 9.994+/-1.355 χ^2/NDF: 225.9/50

diff_bpm0l09X_rms vs Slug



Right In: 6943.699+/-1.549 χ^2/NDF: 2710991.6/21

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6715.823+/-1.358 χ^2/NDF: 1650937.9/27

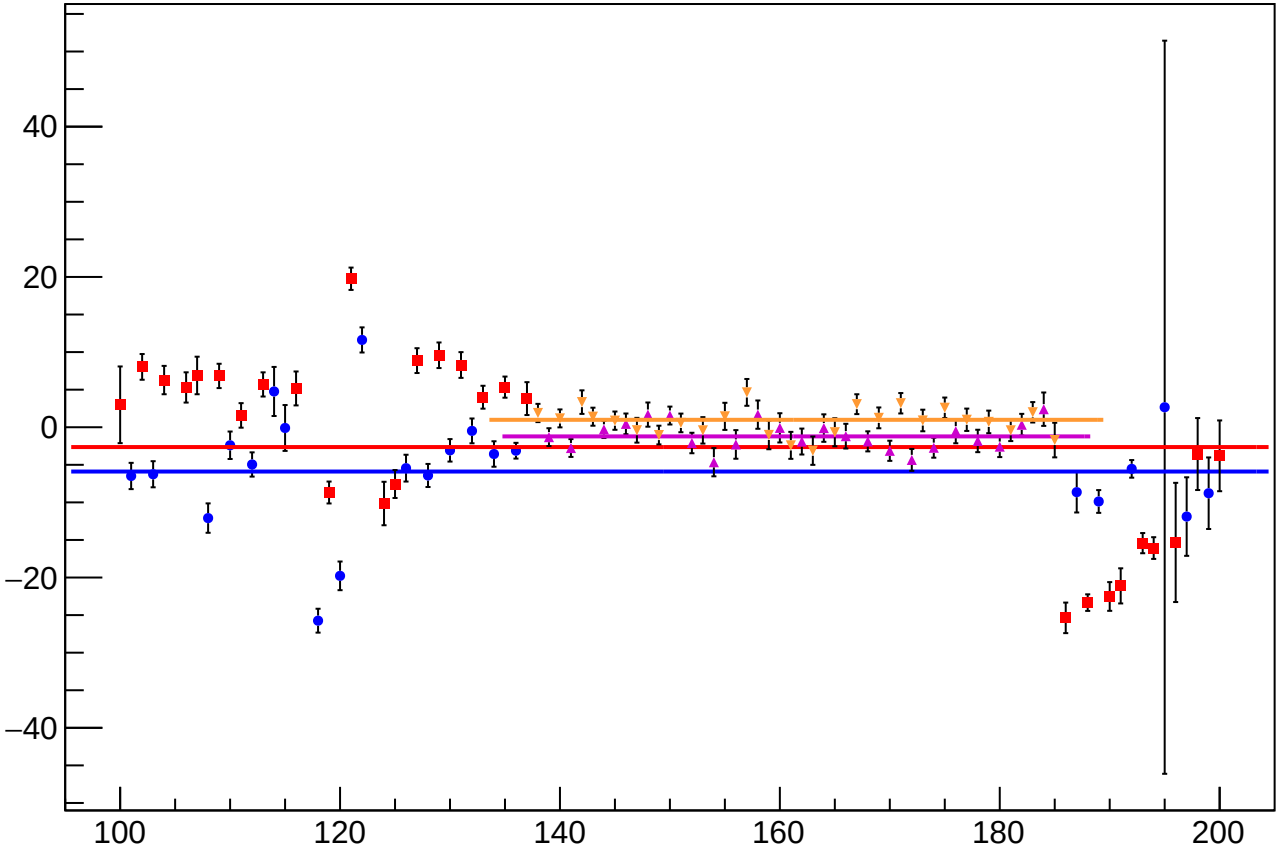
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7578.945+/-0.997 χ^2/NDF: 3330369.1/46

All: 7490.464+/-0.691 χ^2/NDF: 5882448.7/97

- sign 7408.820+/-0.958 χ^2/NDF: 2536941.1/50

diff_bpm0l09Y_mean vs Slug



Right In: -5.895+/-0.377 χ^2/NDF: 380.4/21

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

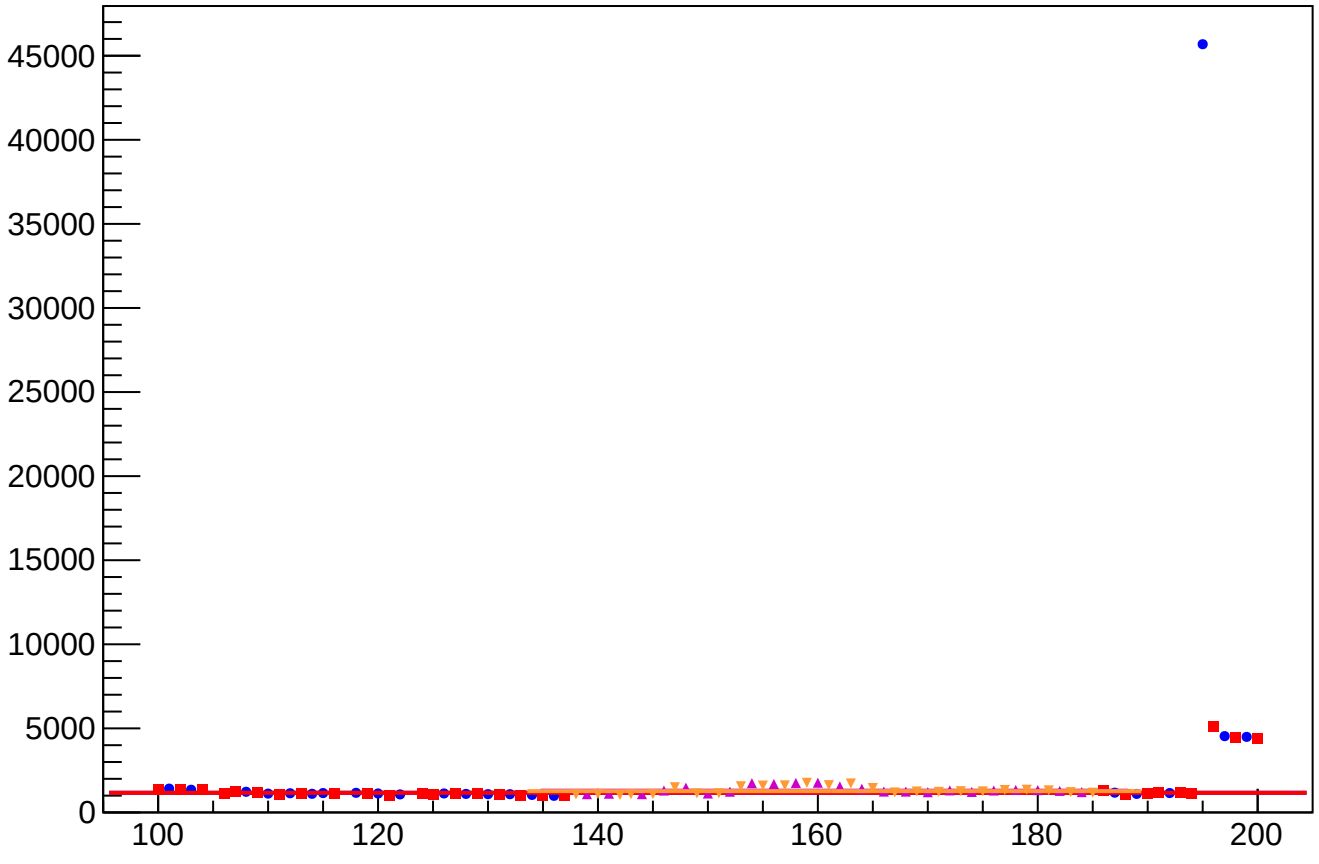
Right Out: -2.638+/-0.341 χ^2/NDF: 1458.7/27

Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.594+/-0.231 χ^2/NDF: 619.4/46

All: -1.726+/-0.162 χ^2/NDF: 2121.4/97

- sign -1.854+/-0.228 χ^2/NDF: 1501.4/50



Right In: 1171.146+/-0.267 χ^2/NDF: 3636516.4/21

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1168.866+/-0.241 χ^2/NDF: 2568154.1/27

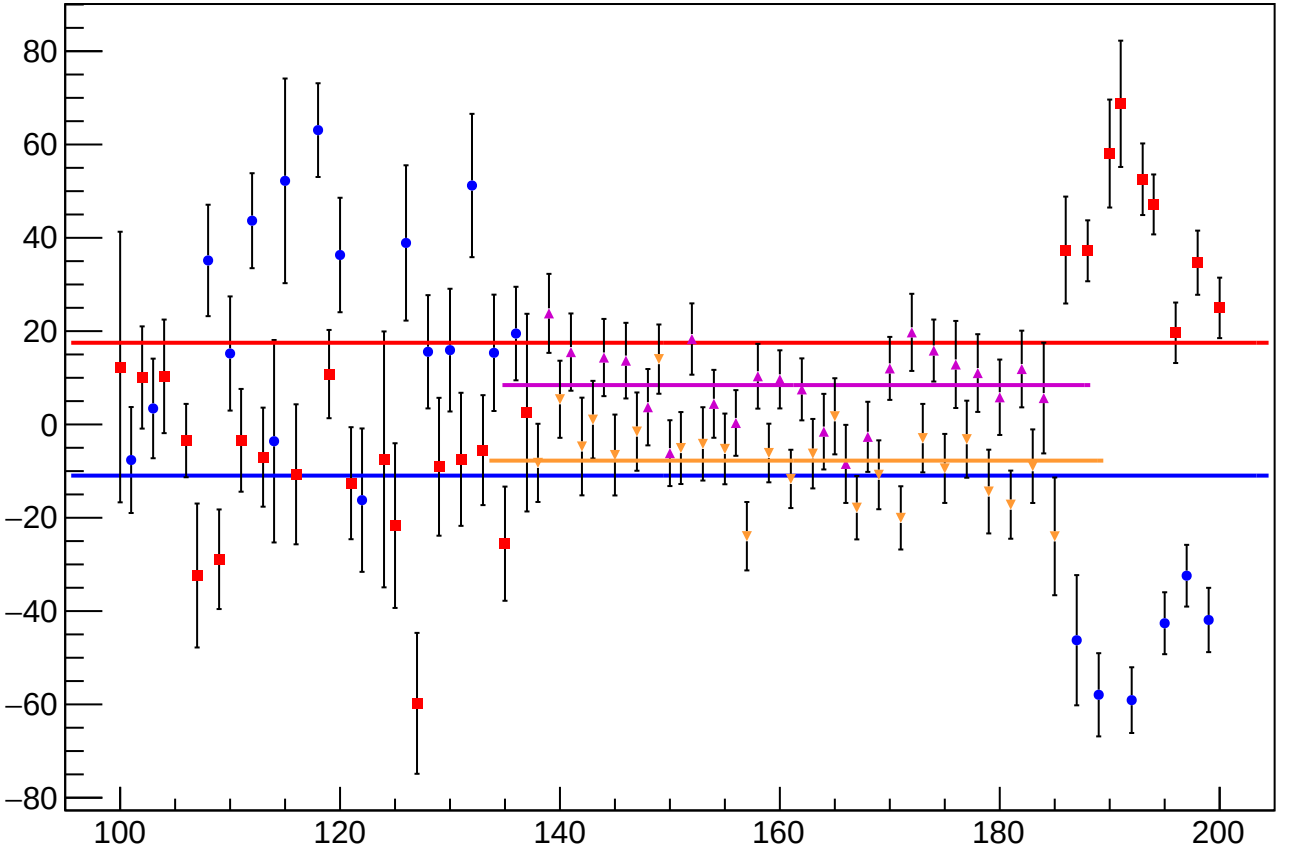
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1231.287+/-0.163 χ^2/NDF: 4596302.1/46

All: 1234.747+/-0.115 χ^2/NDF: 8072639.2/97

- sign 1238.115+/-0.161 χ^2/NDF: 3475452.1/50

diff_bpm0l10X_mean vs Slug



Right In: -10.964+/-2.202 χ^2/NDF: 310.2/21

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 17.509+/-1.912 χ^2/NDF: 200.1/27

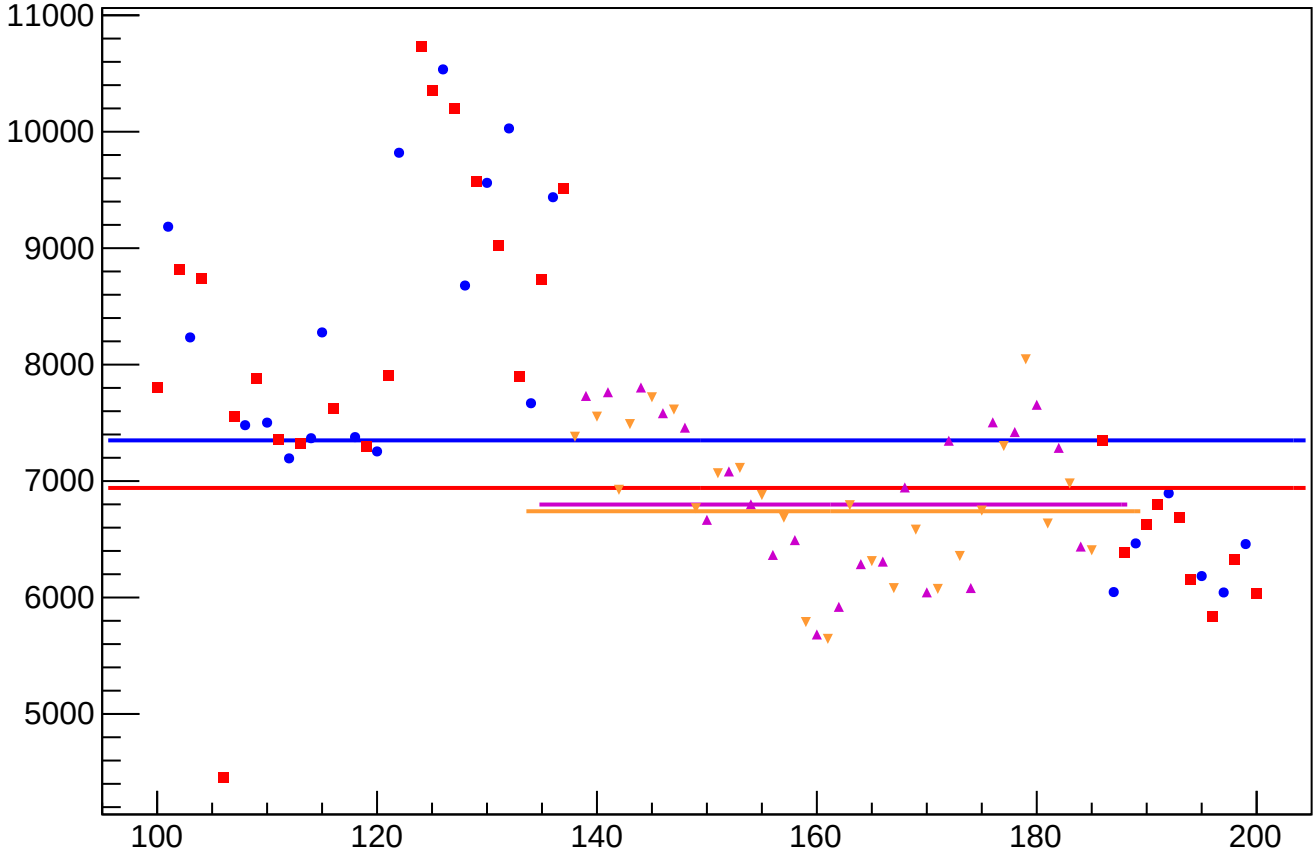
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -8.813+/-1.266 χ^2/NDF: 342.0/46

All: 1.995+/-0.882 χ^2/NDF: 721.8/97

- sign 12.187+/-1.229 χ^2/NDF: 238.1/50

diff_bpm0l10X_rms vs Slug



Right In: 7349.413+/-1.557 χ^2/NDF: 643523.9/21

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6940.951+/-1.352 χ^2/NDF: 909520.1/27

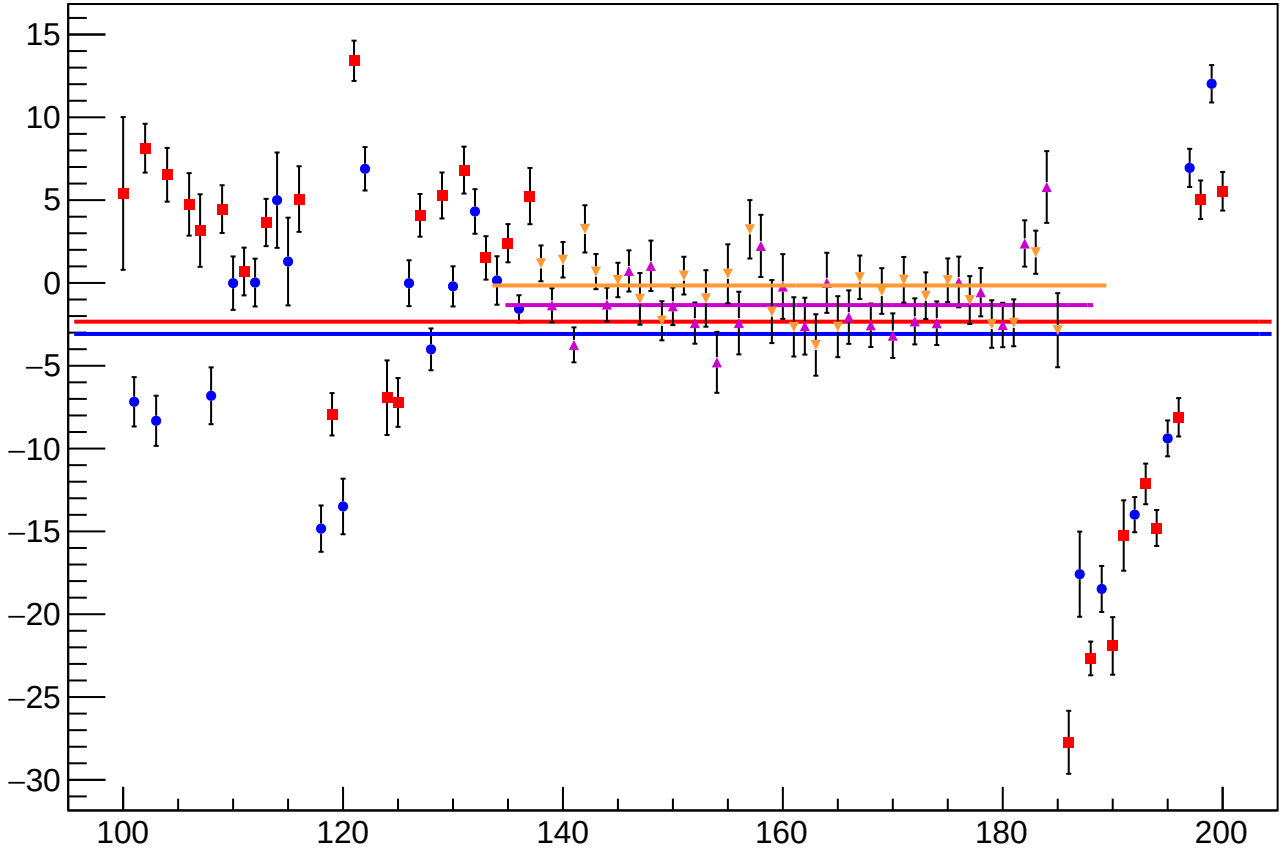
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6941.822+/-0.895 χ^2/NDF: 1062502.9/46

All: 6898.368+/-0.623 χ^2/NDF: 2336393.5/97

- sign 6857.394+/-0.869 χ^2/NDF: 1269310.4/50

diff_bpm0l10Y_mean vs Slug



Right In: -3.079+/-0.288 χ^2/NDF: 809.1/21

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -2.338+/-0.269 χ^2/NDF: 1553.8/27

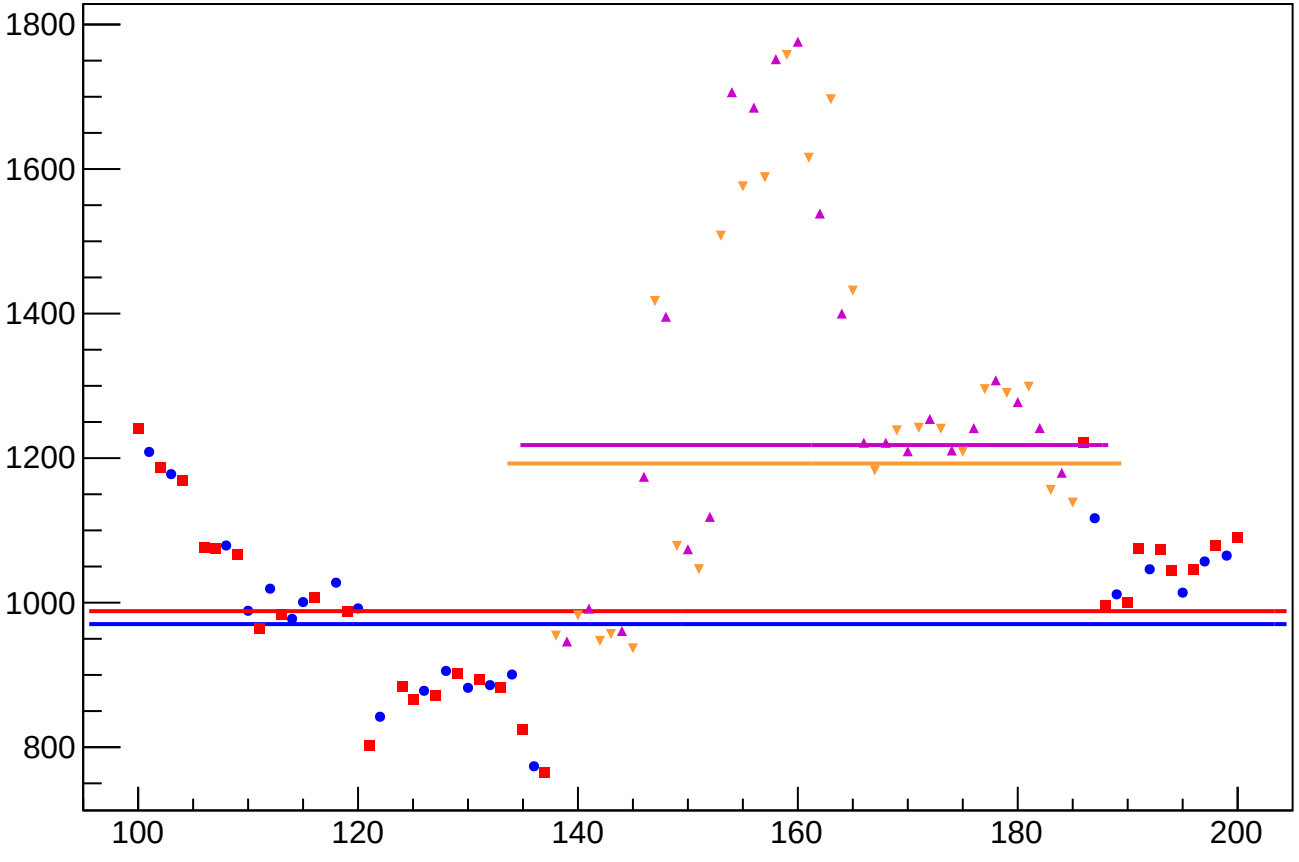
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.560+/-0.199 χ^2/NDF: 898.9/46

All: -1.720+/-0.140 χ^2/NDF: 2504.4/97

- sign -1.876+/-0.197 χ^2/NDF: 1604.2/50

diff_bpm0l10Y_rms vs Slug



Right In: 970.331+/-0.203 χ^2/NDF: 321883.8/21

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 988.256+/-0.190 χ^2/NDF: 349233.6/27

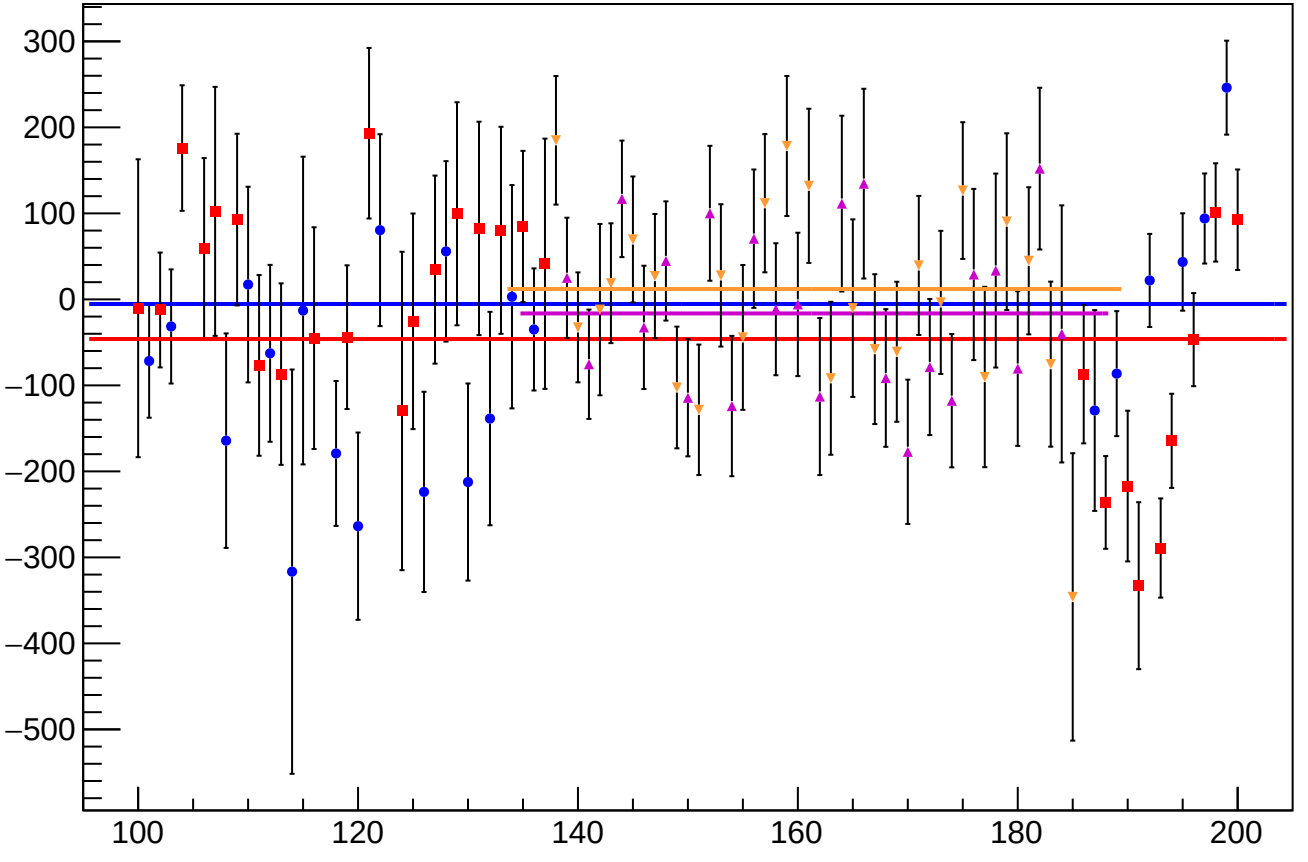
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1085.731+/-0.141 χ^2/NDF: 2262365.4/46

All: 1090.066+/-0.099 χ^2/NDF: 4416954.2/97

- sign 1094.304+/-0.139 χ^2/NDF: 2152718.8/50

diff_bpm0r03X_mean vs Slug



Right In: -5.373+/-17.602 χ^2/NDF: 52.0/21

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

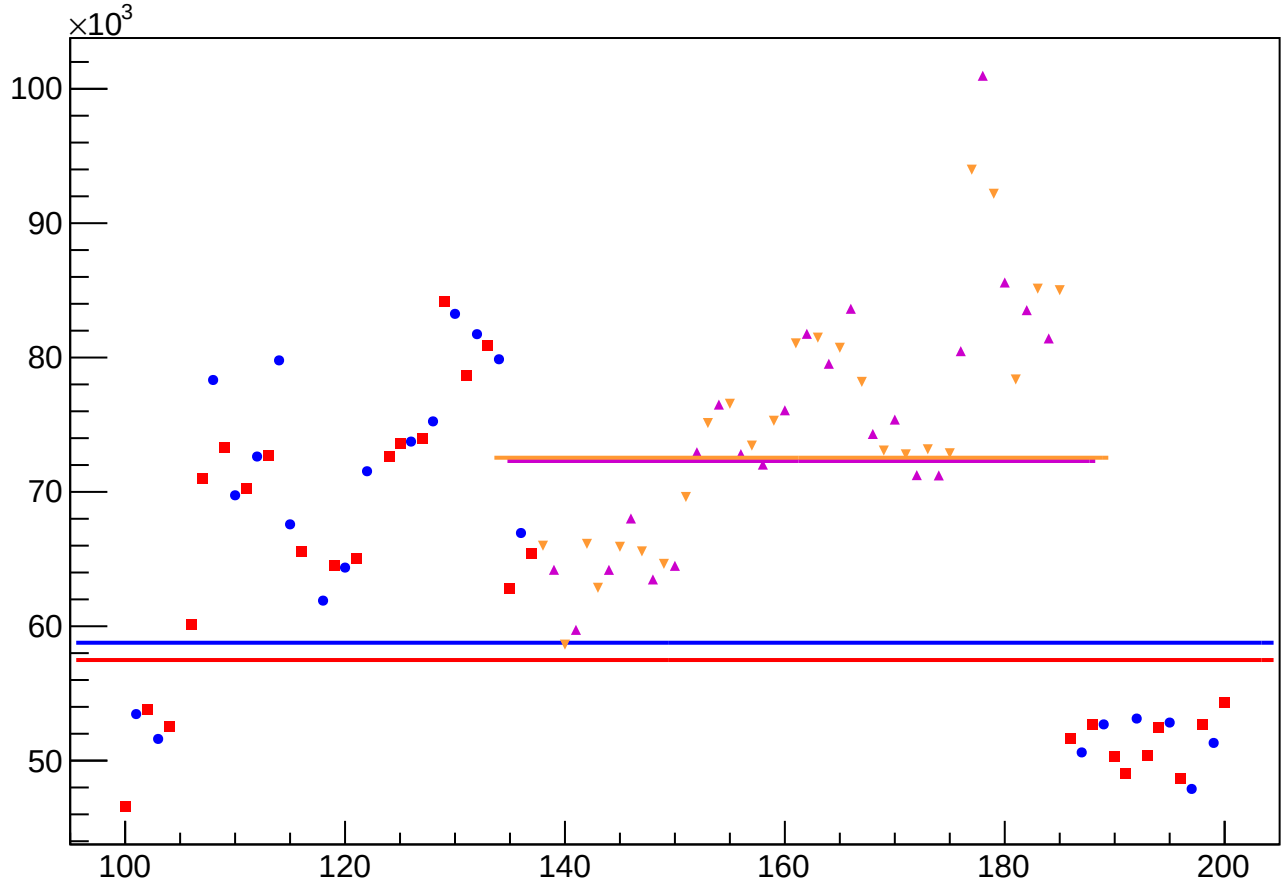
Right Out: -46.086+/-15.762 χ^2/NDF: 86.3/27

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 3.861+/-12.080 χ^2/NDF: 85.3/46

All: -15.035+/-8.353 χ^2/NDF: 206.7/97

- sign -32.351+/-11.564 χ^2/NDF: 116.7/50



Right In: 58773.555+/-12.447 χ^2/NDF: 708055.8/21

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 57486.599+/-11.145 χ^2/NDF: 695828.4/27

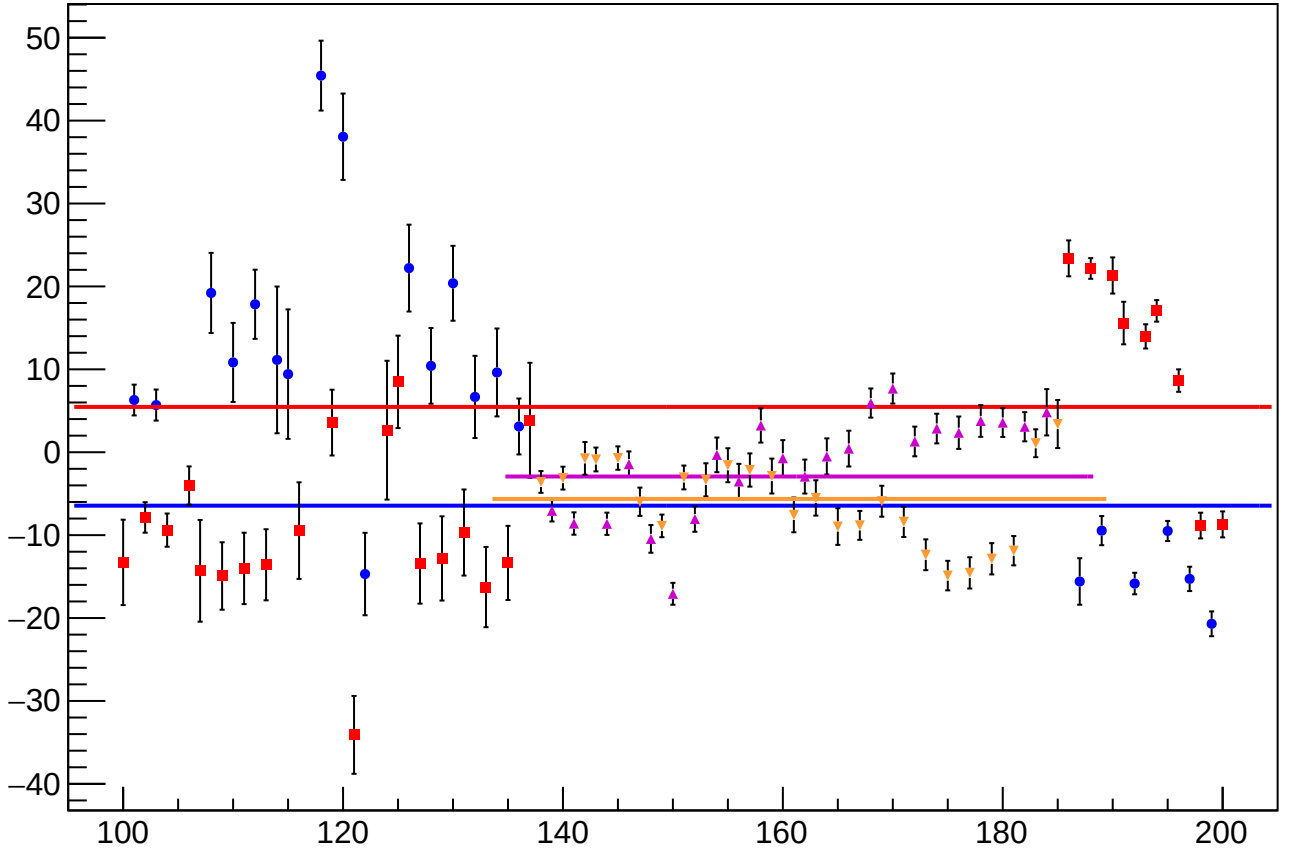
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 66058.895+/-8.542 χ^2/NDF: 1855706.5/46

All: 65155.072+/-5.907 χ^2/NDF: 3877529.1/9

- sign 64326.817+/-8.177 χ^2/NDF: 2000366.1/50

diff_bpm0r03Y_mean vs Slug



Right In: -6.447+/-0.512 χ^2/NDF: 701.7/21

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 5.468+/-0.446 χ^2/NDF: 968.4/27

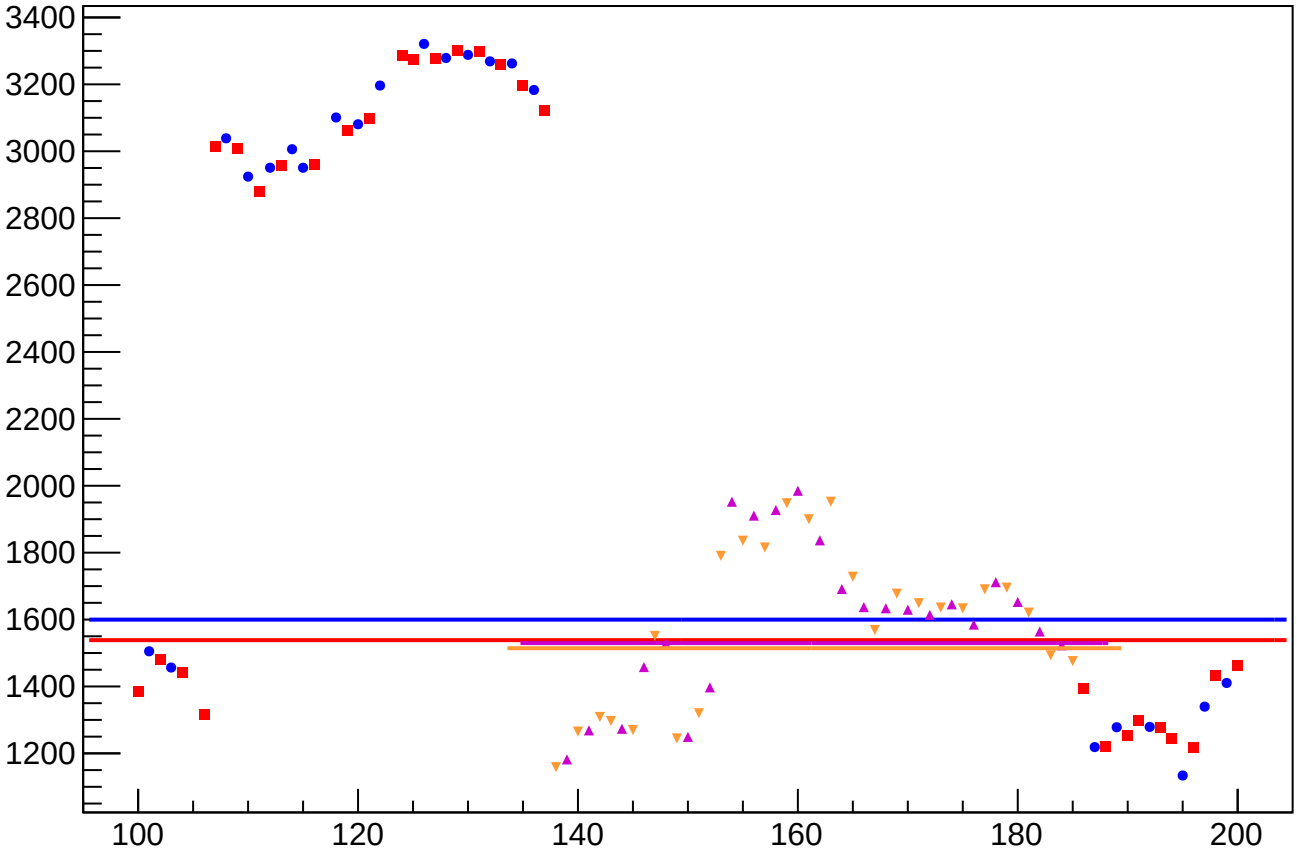
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -5.893+/-0.288 χ^2/NDF: 881.6/46

All: -2.661+/-0.201 χ^2/NDF: 2646.1/97

- sign 0.411+/-0.281 χ^2/NDF: 1519.5/50

diff_bpm0r03Y_rms vs Slug



Right In: 1599.792+/-0.362 χ^2/NDF: 3536668.7/21

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1538.440+/-0.315 χ^2/NDF: 3576386.6/27

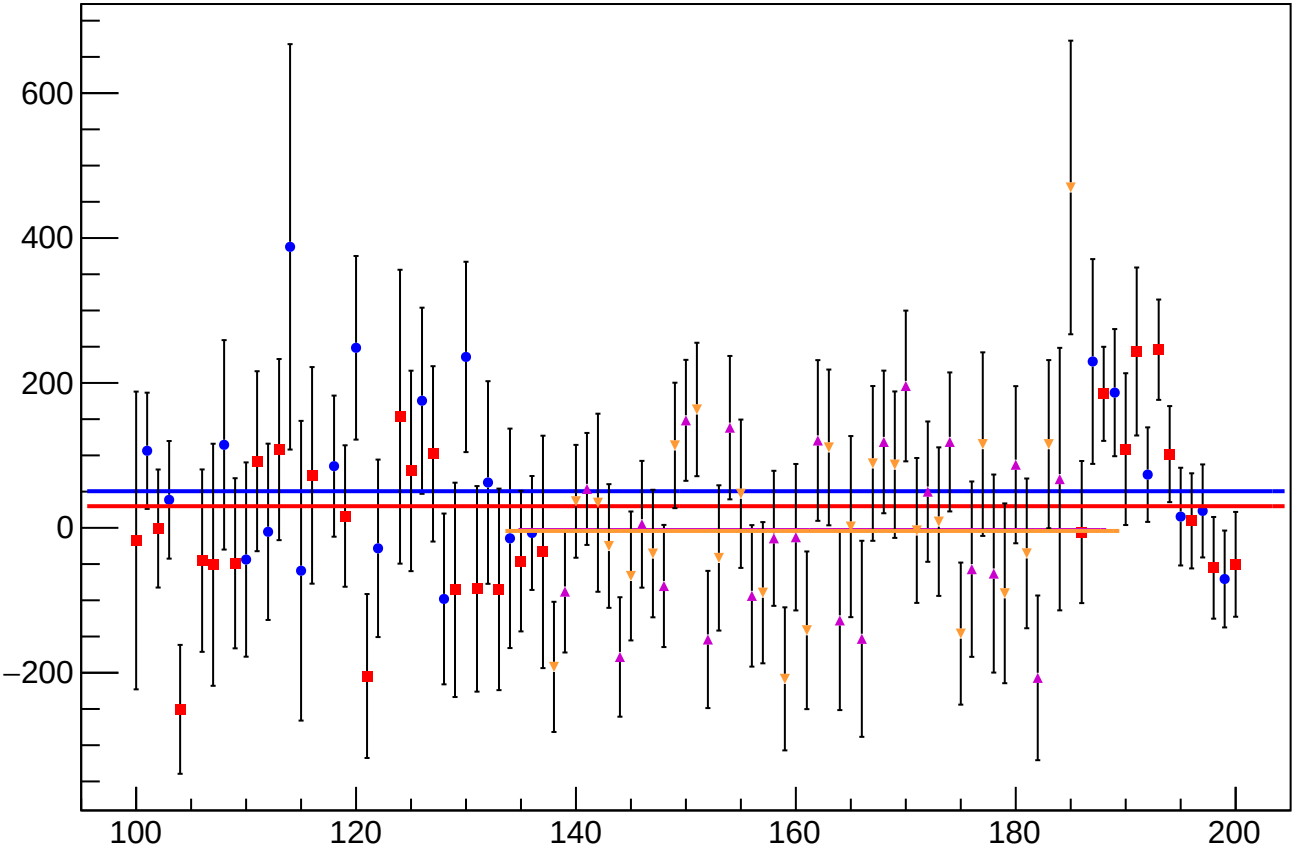
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1541.450+/-0.204 χ^2/NDF: 4508044.4/46

All: 1537.188+/-0.142 χ^2/NDF: 8914234.8/97

- sign 1533.137+/-0.199 χ^2/NDF: 4405338.3/50

diff_bpm0r05X_mean vs Slug



Right In: 50.568+/-20.865 χ^2/NDF: 19.2/21

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

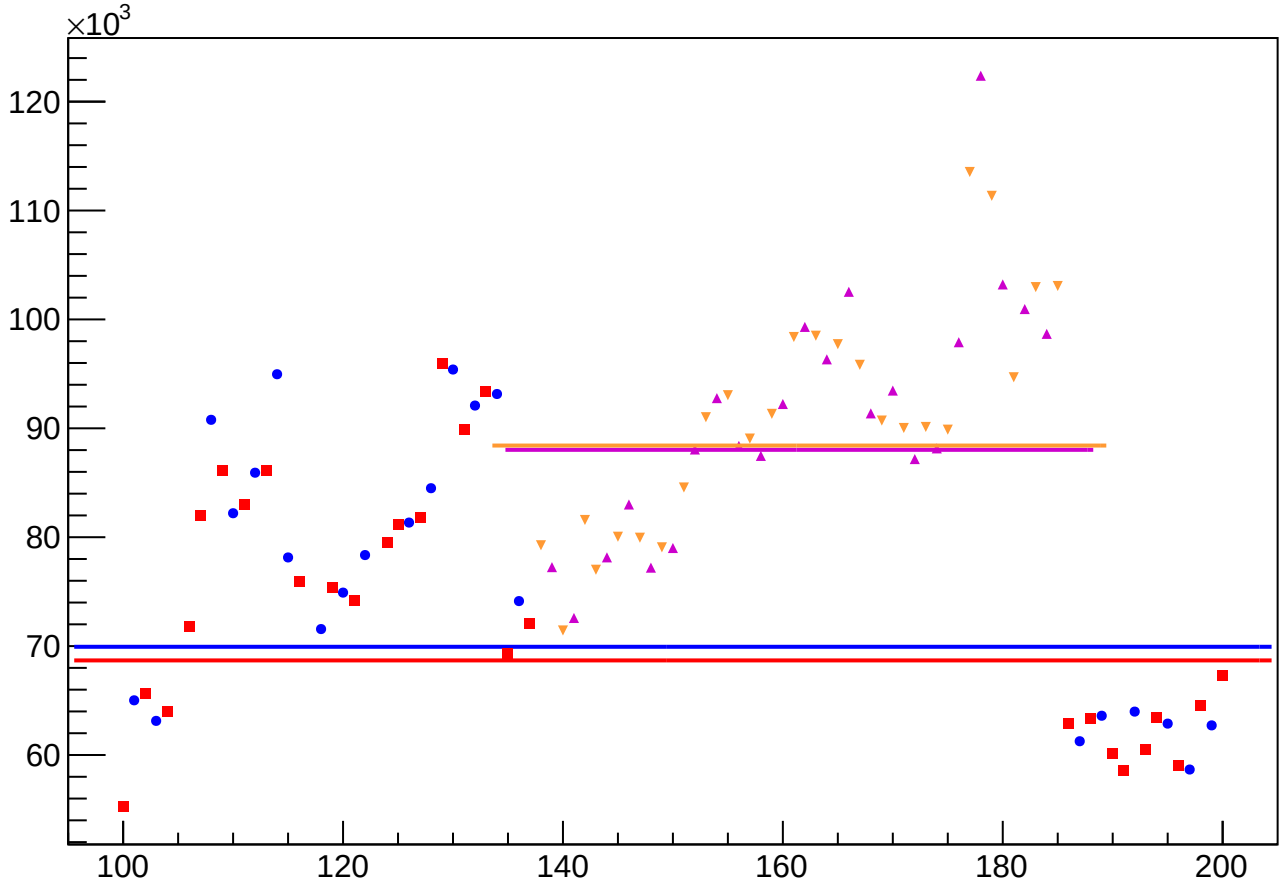
Right Out: 29.879+/-18.781 χ^2/NDF: 43.3/27

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 22.313+/-14.528 χ^2/NDF: 53.3/46

All: 18.521+/-10.049 χ^2/NDF: 128.7/97

- sign 15.041+/-13.915 χ^2/NDF: 75.4/50



Right In: 69937.715+/-14.754 χ^2/NDF: 512460.5/21

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68686.066+/-13.280 χ^2/NDF: 522198.2/27

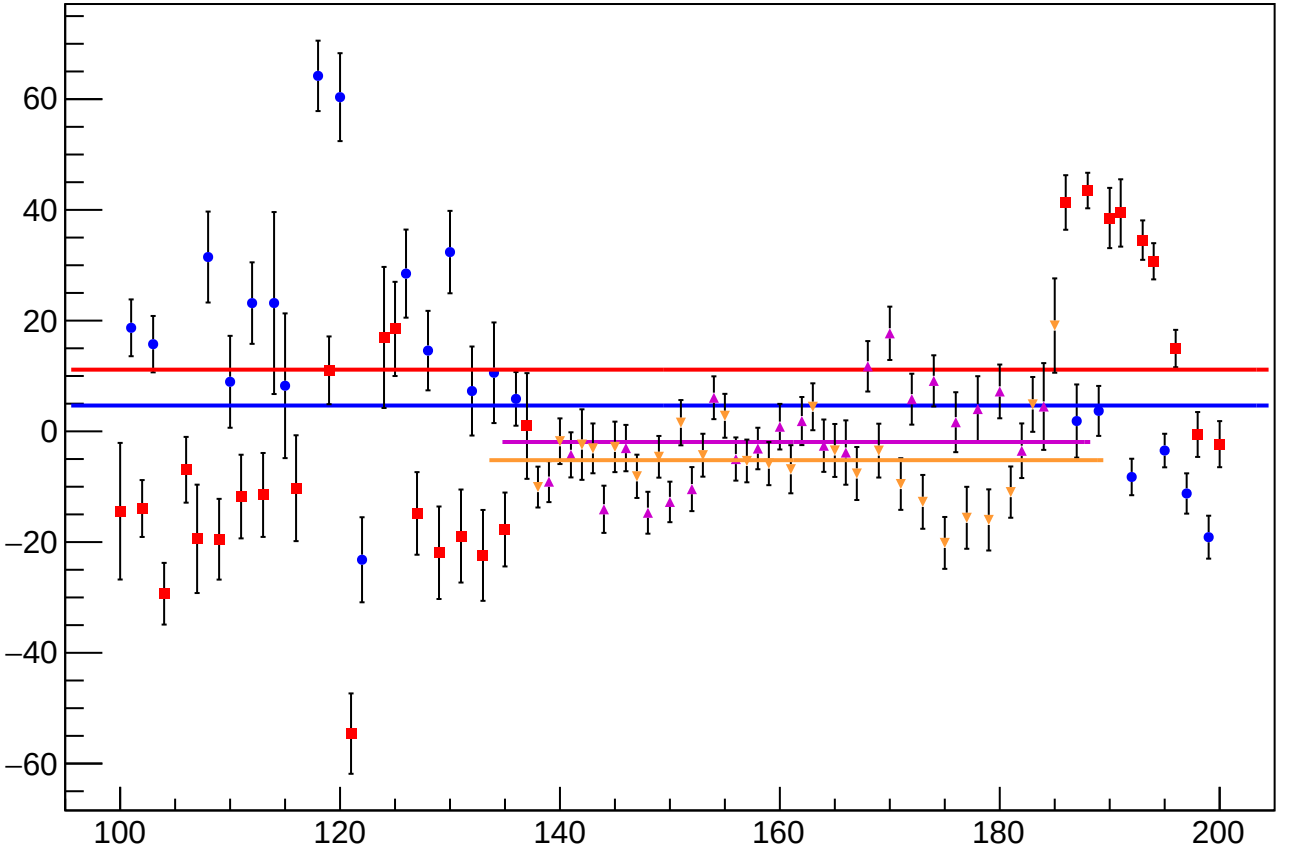
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 79458.728+/-10.273 χ^2/NDF: 1802742.0/46

All: 78389.339+/-7.106 χ^2/NDF: 3786837.1/9

- sign 77408.197+/-9.840 χ^2/NDF: 1963315.6/50

diff_bpm0r05Y_mean vs Slug



Right In: 4.665+/-1.170 χ^2/NDF: 285.7/21

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 11.144+/-1.043 χ^2/NDF: 586.1/27

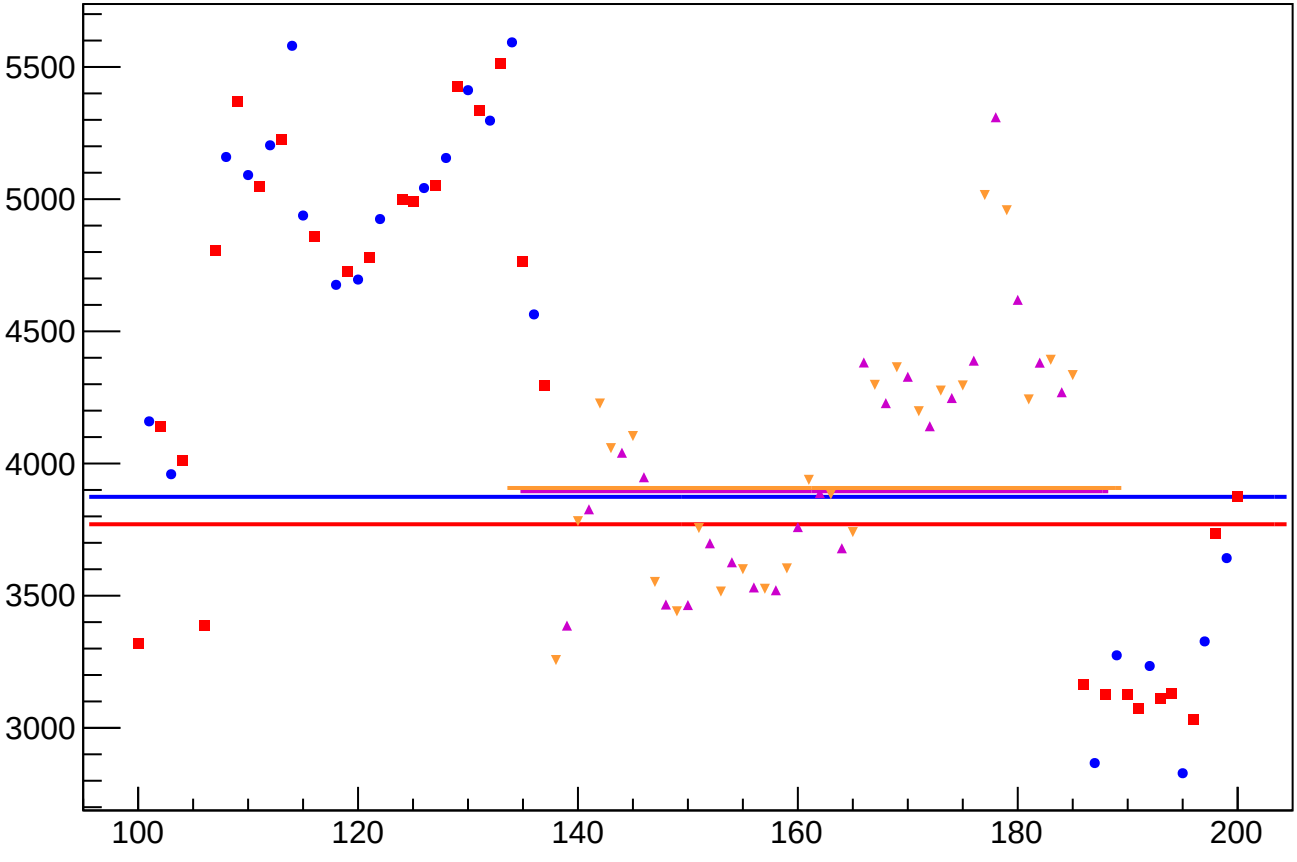
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.569+/-0.710 χ^2/NDF: 381.6/46

All: 1.181+/-0.494 χ^2/NDF: 1168.5/97

- sign 3.765+/-0.689 χ^2/NDF: 757.9/50

diff_bpm0r05Y_rms vs Slug



Right In: 3873.938+/-0.828 χ^2/NDF: 1104181.5/21

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3770.221+/-0.738 χ^2/NDF: 1202350.1/27

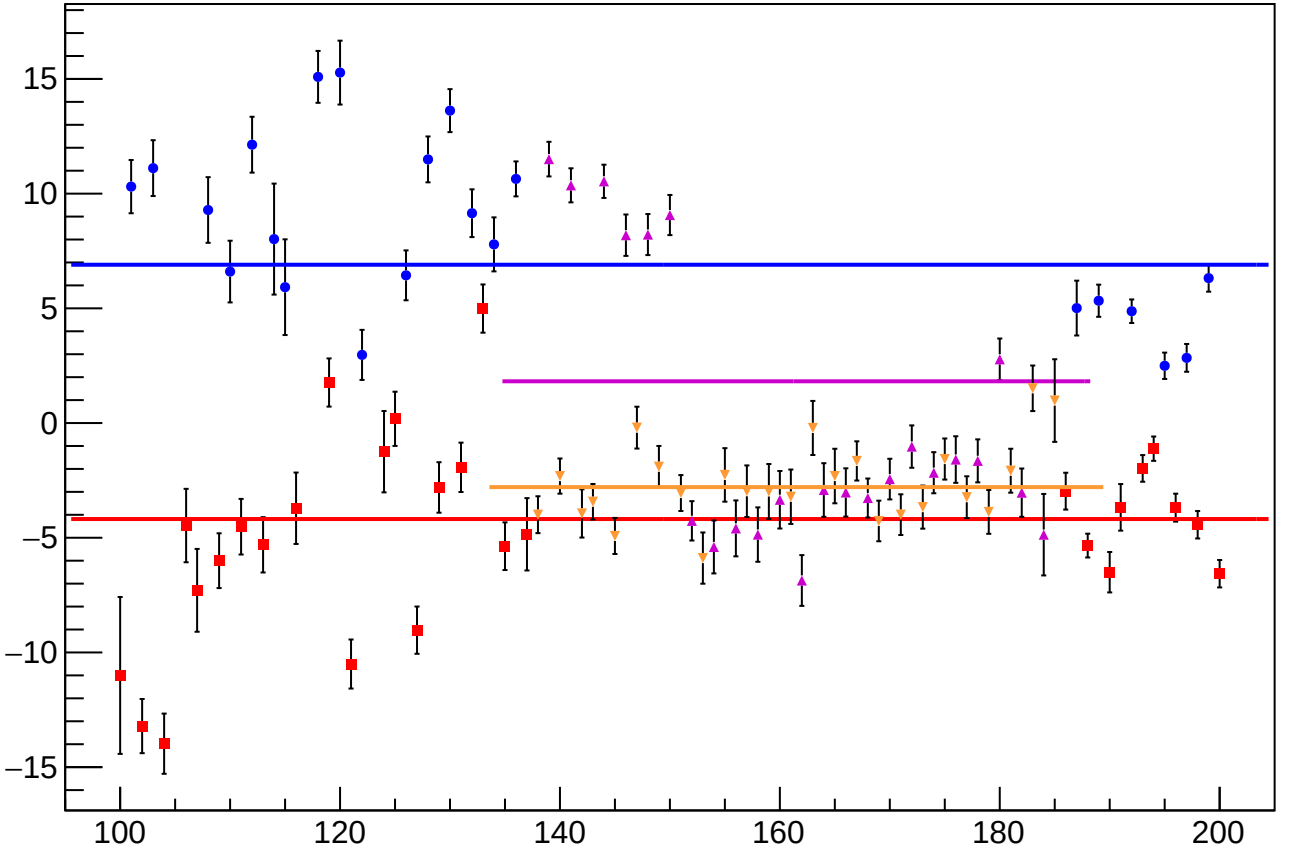
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3895.114+/-0.502 χ^2/NDF: 1546420.6/46

All: 3867.076+/-0.350 χ^2/NDF: 3180902.5/97

- sign 3840.737+/-0.487 χ^2/NDF: 1628439.4/50

diff_bpm2i01X_mean vs Slug



Right In: 6.901+/-0.192 χ^2/NDF: 373.8/21

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

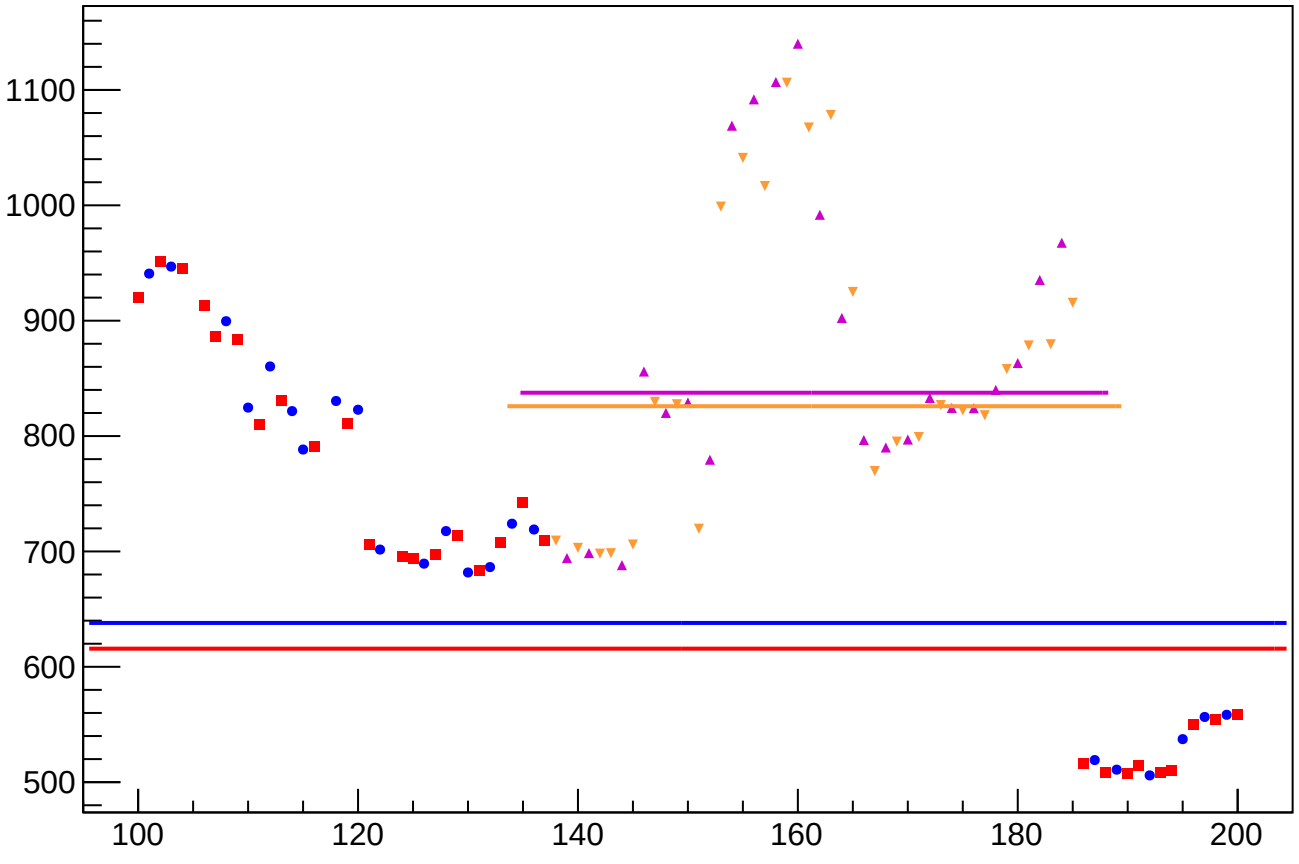
Right Out: -4.184+/-0.170 χ^2/NDF: 392.7/27

Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.009+/-0.135 χ^2/NDF: 1730.7/46

All: 0.104+/-0.093 χ^2/NDF: 4059.3/97

- sign -1.638+/-0.129 χ^2/NDF: 1947.4/50



Right In: 638.021+/-0.136 χ^2/NDF: 970136.9/21

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 615.737+/-0.120 χ^2/NDF: 1220761.1/27

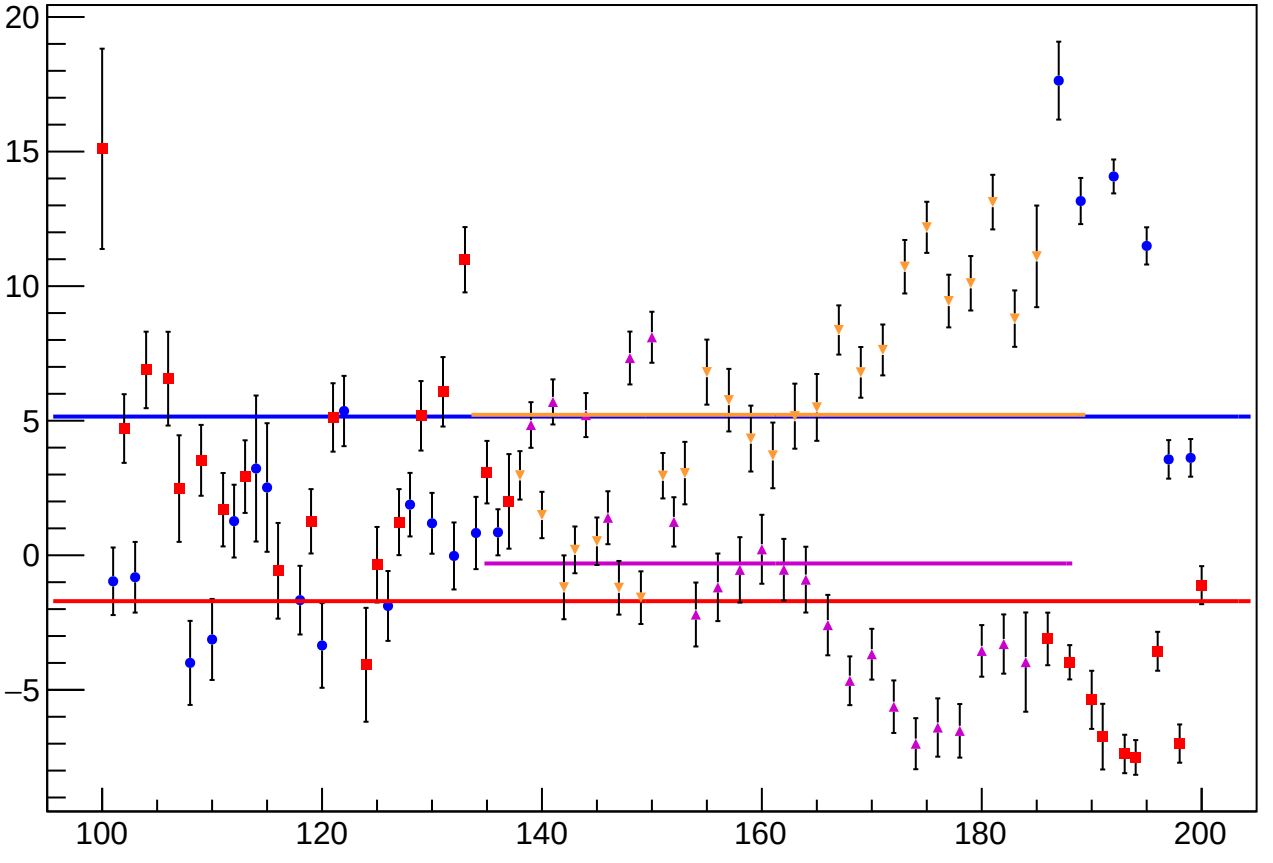
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 732.818+/-0.095 χ^2/NDF: 2703071.0/46

All: 720.799+/-0.066 χ^2/NDF: 6111609.2/97

- sign 709.818+/-0.091 χ^2/NDF: 3378209.6/50

diff_bpm2i01Y_mean vs Slug



Right In: 5.154+/-0.226 χ^2/NDF: 735.2/21

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.705+/-0.201 χ^2/NDF: 632.3/27

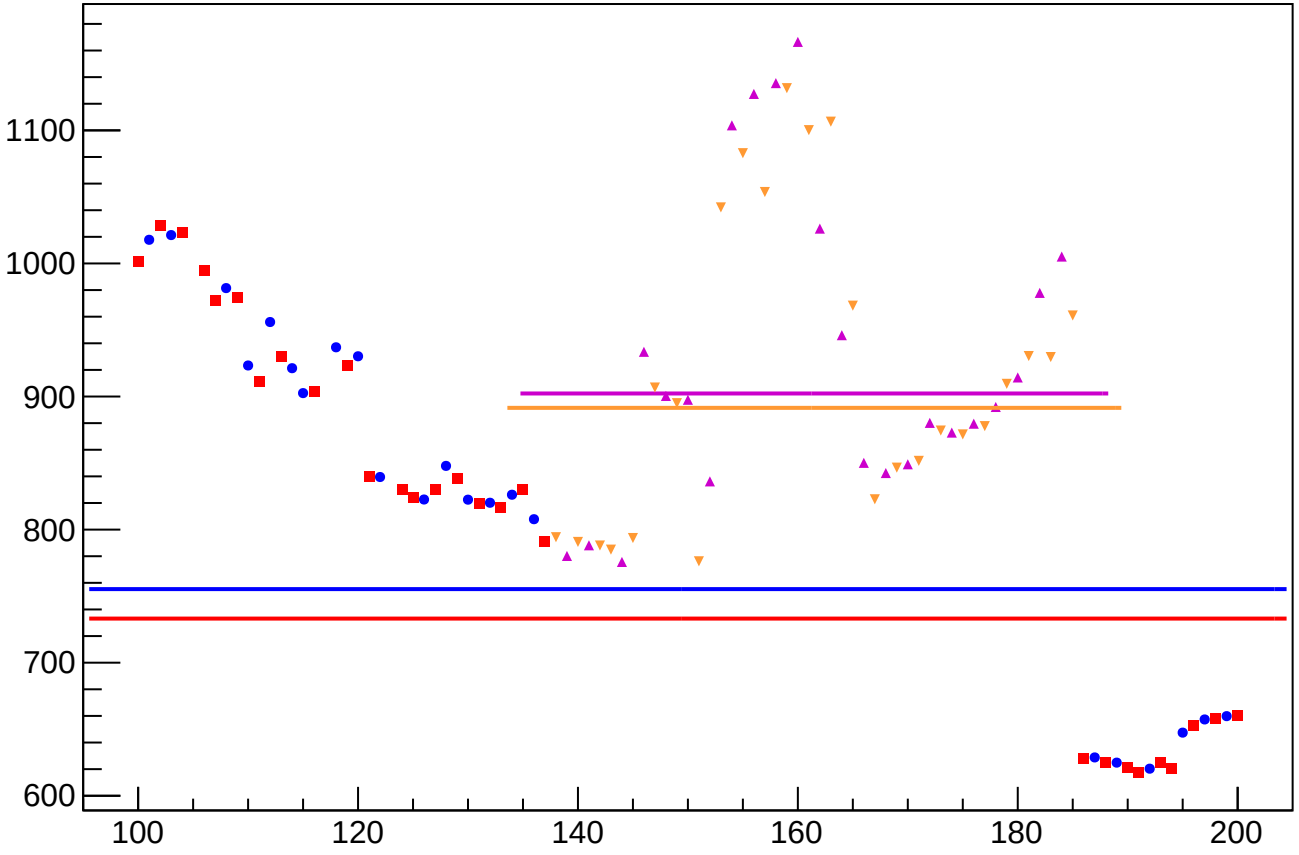
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.190+/-0.151 χ^2/NDF: 1185.2/46

All: 1.961+/-0.105 χ^2/NDF: 3212.4/97

- sign -1.043+/-0.146 χ^2/NDF: 1150.4/50

diff_bpm2i01Y_rms vs Slug



Right In: 755.291+/-0.160 χ^2/NDF: 689239.1/21

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 733.144+/-0.142 χ^2/NDF: 871472.6/27

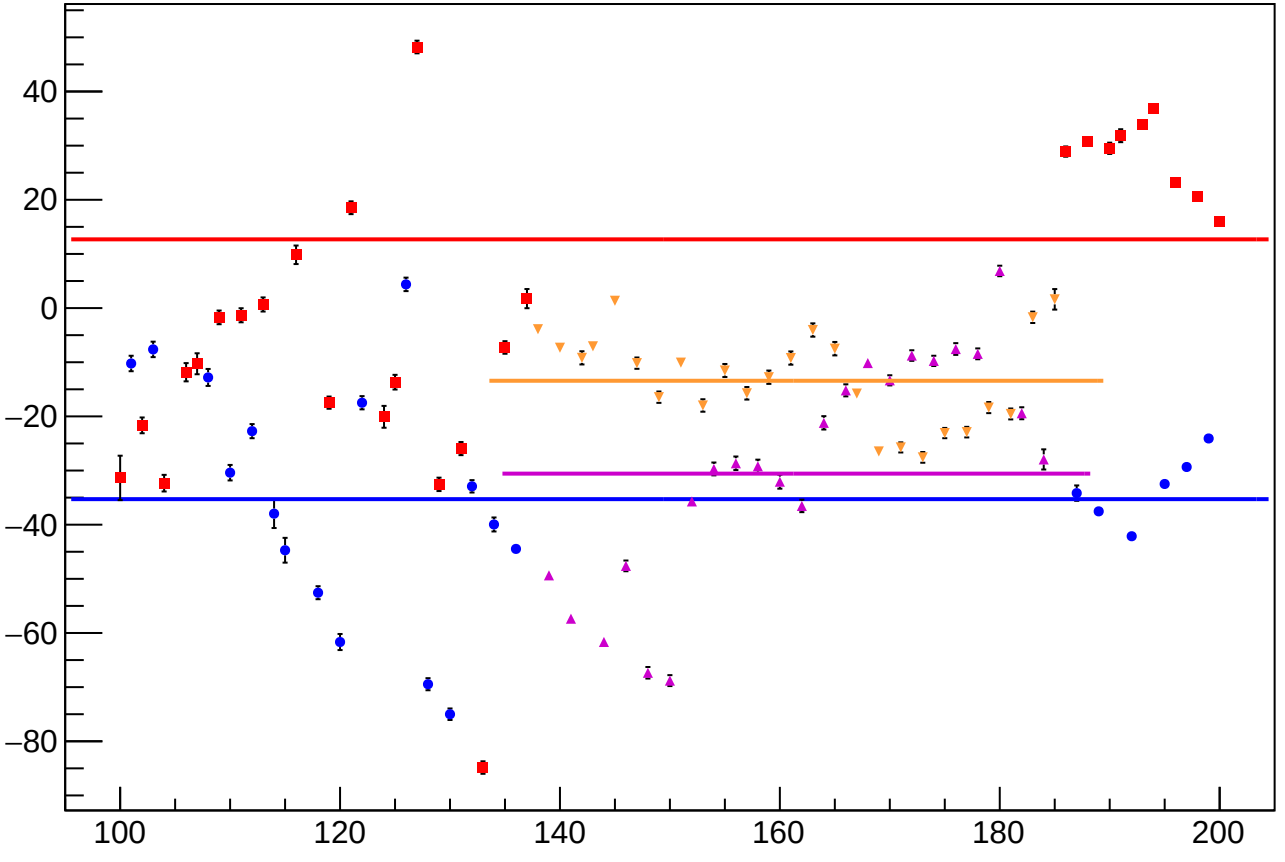
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

\+ sign 830.125+/-0.107 χ^2/NDF: 1607260.4/46

All: 821.270+/-0.074 χ^2/NDF: 3644580.4/97

\- sign 813.030+/-0.103 χ^2/NDF: 2024128.0/50

diff_bpm2i02X_mean vs Slug



Right In: -35.284+/-0.221 χ^2/NDF: 5700.6/21

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 12.694+/-0.197 χ^2/NDF: 18765.8/27

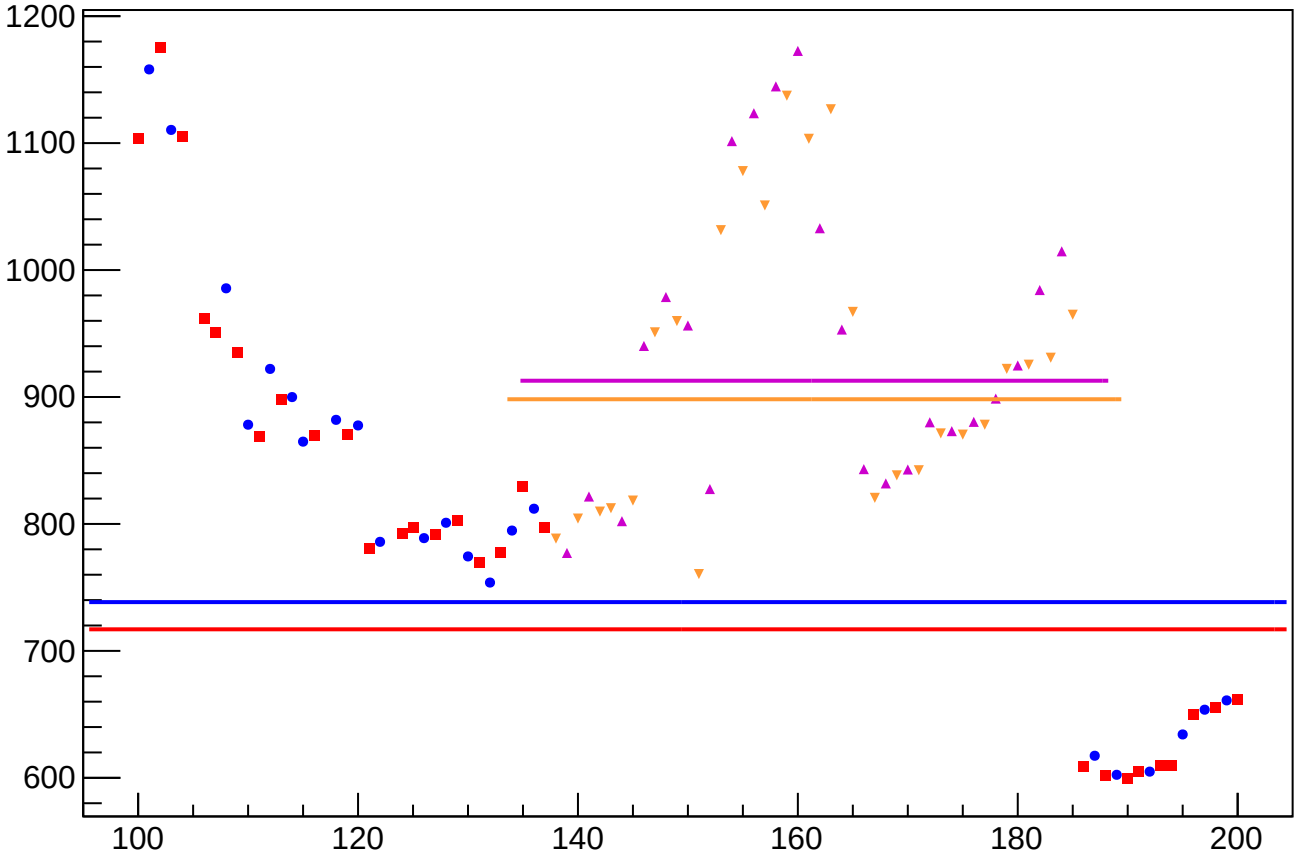
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -23.581+/-0.151 χ^2/NDF: 12601.2/46

All: -15.007+/-0.105 χ^2/NDF: 69996.3/97

- sign -7.034+/-0.145 χ^2/NDF: 51146.6/50

diff_bpm2i02X_rms vs Slug



Right In: 738.428+/-0.156 χ^2/NDF: 773717.4/21

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 716.993+/-0.139 χ^2/NDF: 948169.8/27

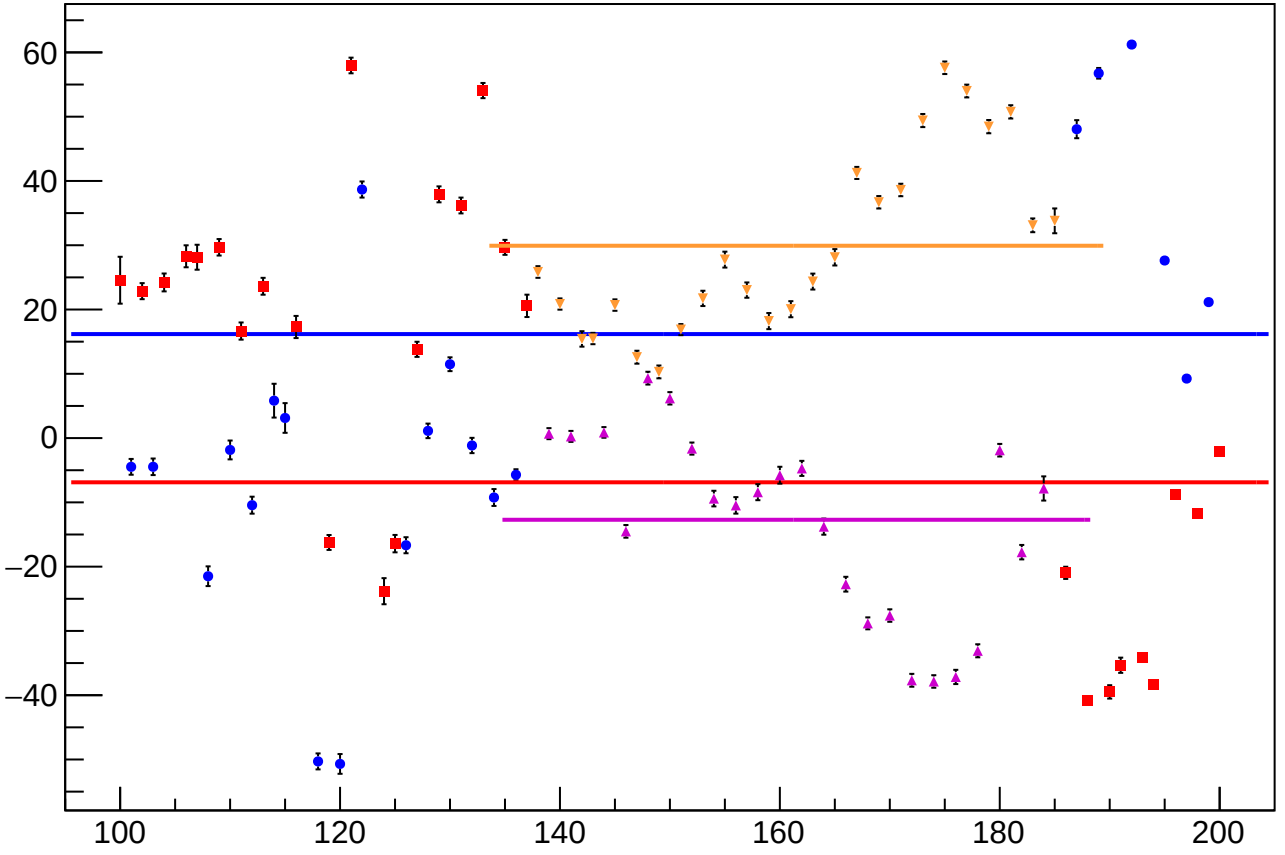
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 823.964+/-0.107 χ^2/NDF: 1851635.4/46

All: 814.803+/-0.074 χ^2/NDF: 4195242.6/97

- sign 806.284+/-0.103 χ^2/NDF: 2329339.2/50

diff_bpm2i02Y_mean vs Slug



Right In: 16.179+/-0.219 χ^2/NDF: 17827.3/21

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -6.880+/-0.195 χ^2/NDF: 22603.4/27

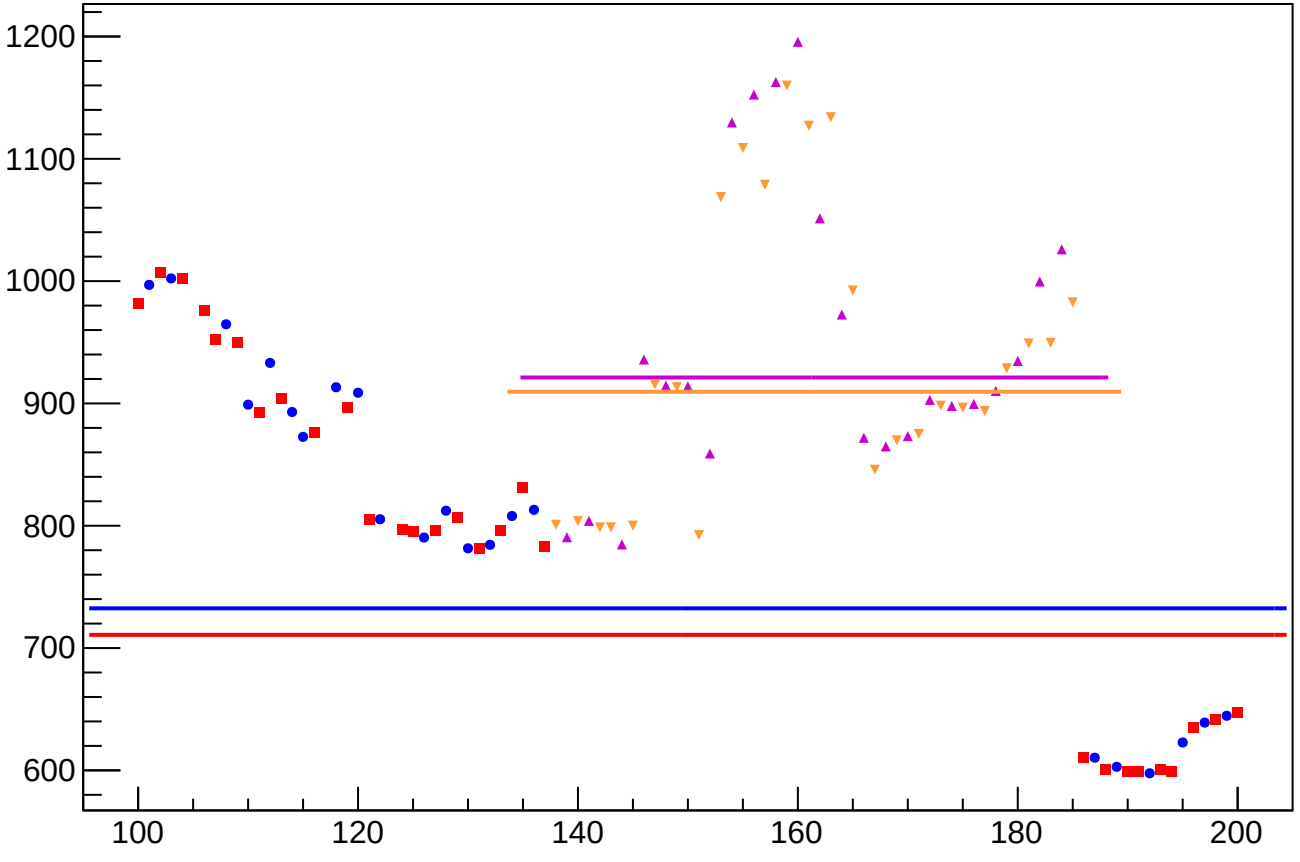
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.386+/-0.151 χ^2/NDF: 24472.8/46

All: 6.297+/-0.105 χ^2/NDF: 76893.0/97

- sign -9.484+/-0.145 χ^2/NDF: 27793.2/50

diff_bpm2i02Y_rms vs Slug



Right In: 732.480+/-0.155 χ^2/NDF: 721273.5/21

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

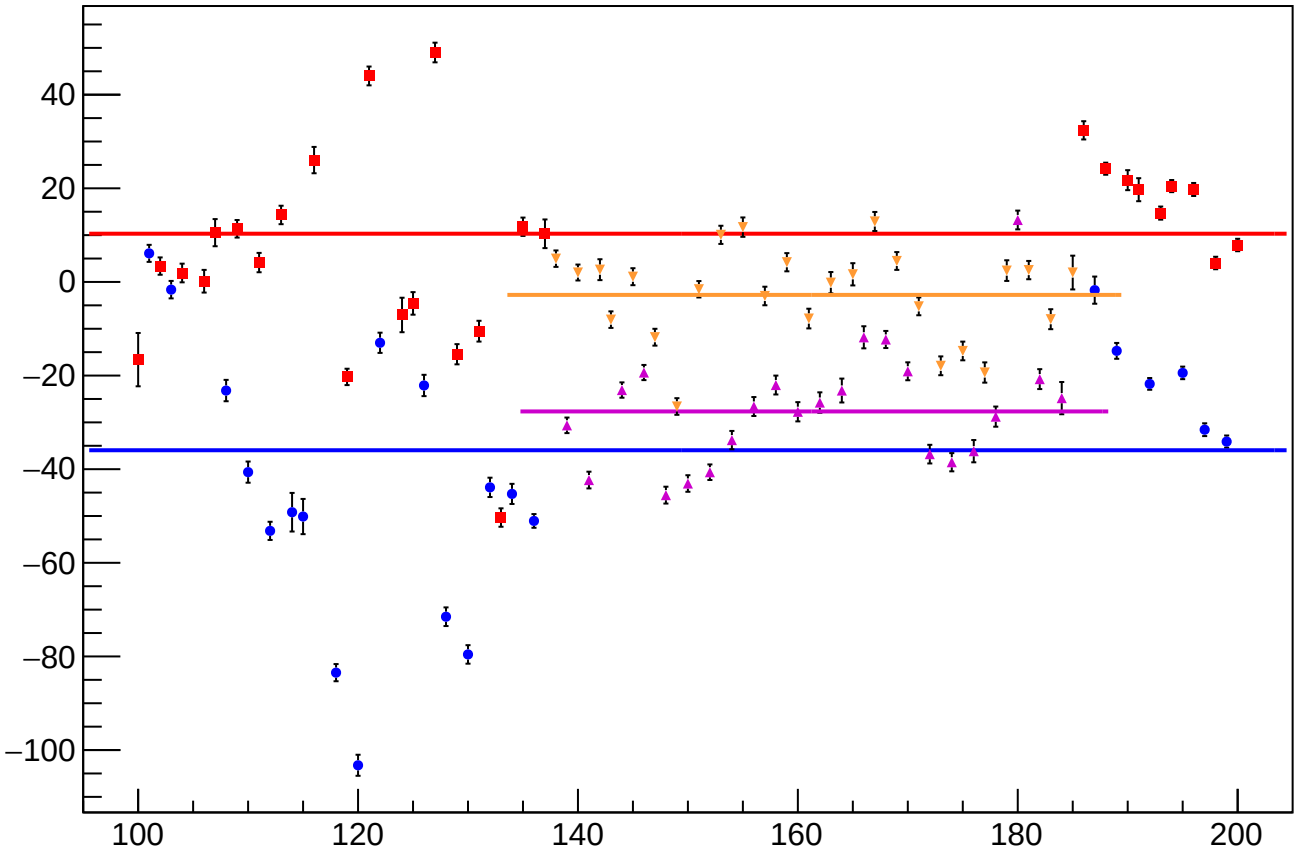
Right Out: 710.802+/-0.138 χ^2/NDF: 901957.1/27

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 825.333+/-0.107 χ^2/NDF: 1948690.9/46

All: 814.656+/-0.074 χ^2/NDF: 4406167.0/97

- sign 804.797+/-0.103 χ^2/NDF: 2438250.2/50



Right In: -35.953+/-0.393 χ^2/NDF: 4262.3/21

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 10.304+/-0.357 χ^2/NDF: 2716.3/27

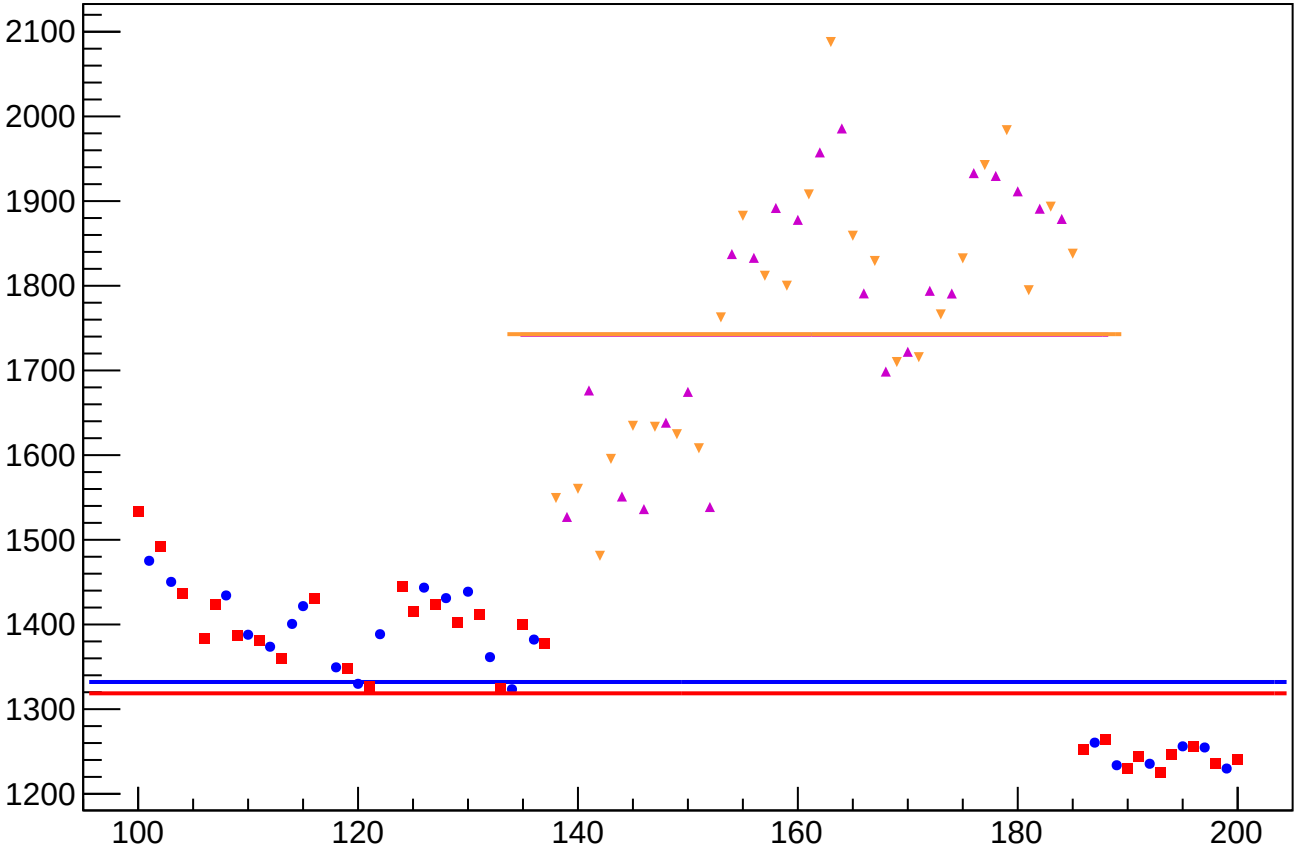
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.559+/-0.279 χ^2/NDF: 8406.7/46

All: -12.573+/-0.194 χ^2/NDF: 18216.1/97

\- sign -6.108+/-0.269 χ^2/NDF: 8605.1/50

diff_bpm0i02X_rms vs Slug



Right In: 1332.090+/-0.278 χ^2/NDF: 93114.7/21

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

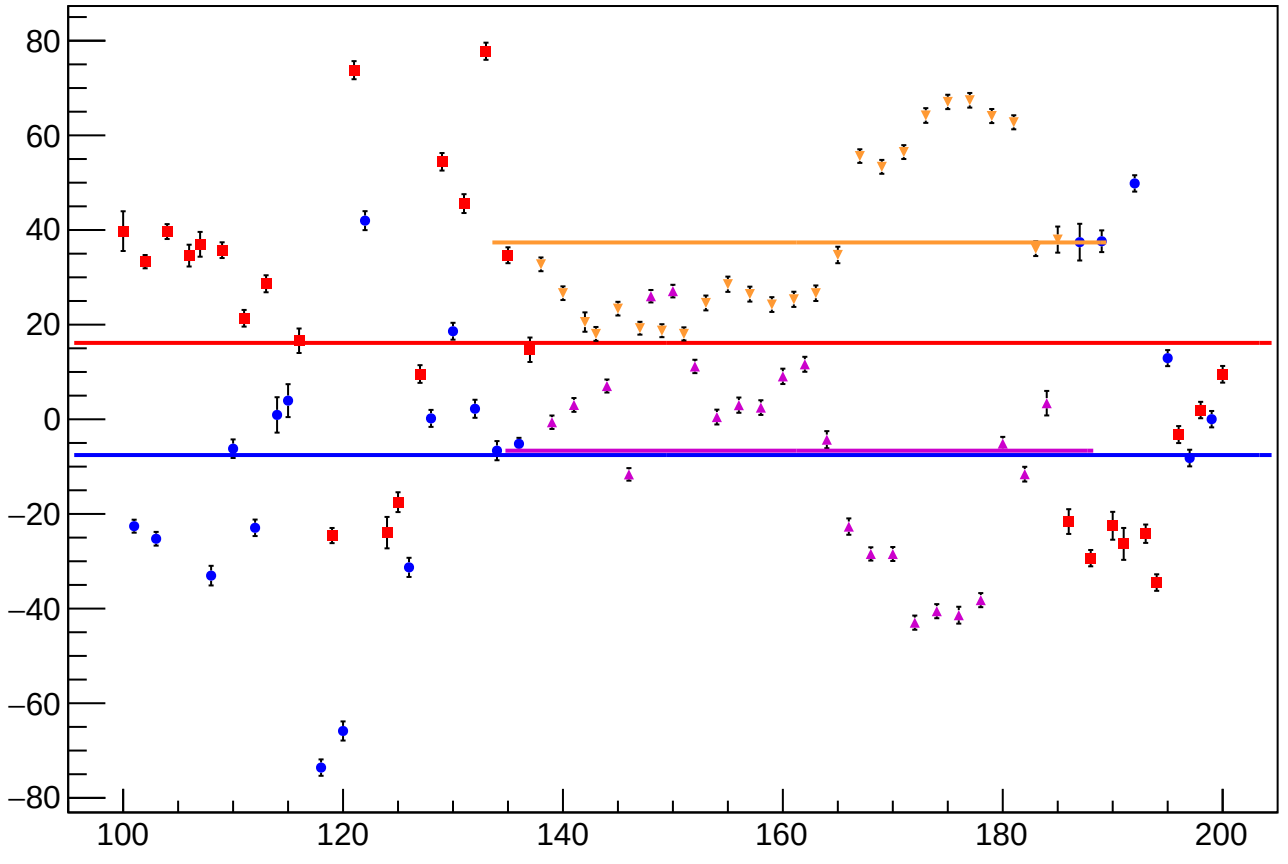
Right Out: 1318.705+/-0.252 χ^2/NDF: 106910.1/27

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1535.011+/-0.198 χ^2/NDF: 1437277.3/46

All: 1517.735+/-0.137 χ^2/NDF: 3039275.6/97

- sign 1501.745+/-0.190 χ^2/NDF: 1587267.1/50



Right In: -7.554+/-0.395 χ^2/NDF: 5599.0/21

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 16.145+/-0.370 χ^2/NDF: 7330.0/27

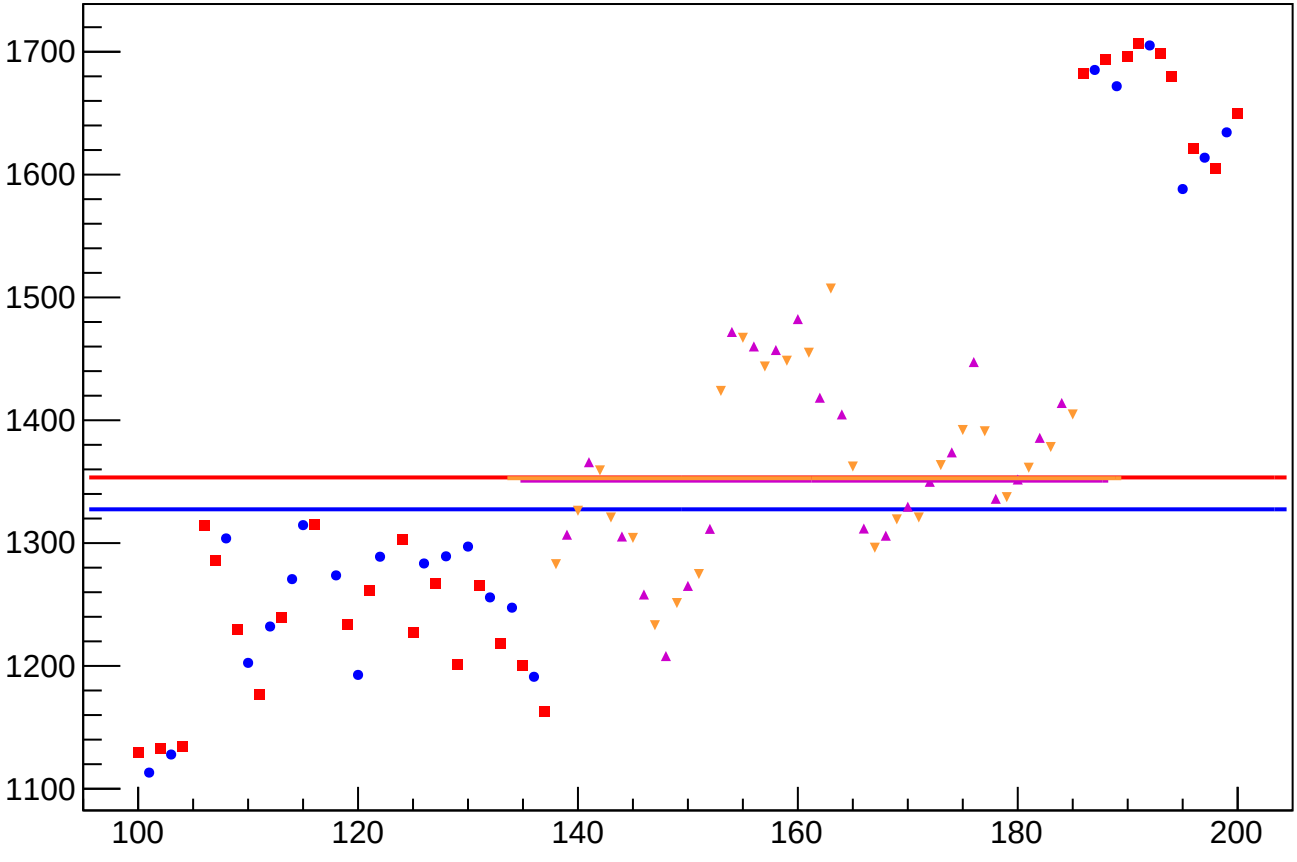
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 20.375+/-0.243 χ^2/NDF: 17049.5/46

All: 11.589+/-0.171 χ^2/NDF: 33574.4/97

\- sign 2.979+/-0.240 χ^2/NDF: 13931.4/50

diff_bpm0i02Y_rms vs Slug



Right In: 1327.497+/-0.279 χ^2/NDF: 465258.0/21

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1353.448+/-0.262 χ^2/NDF: 653597.7/27

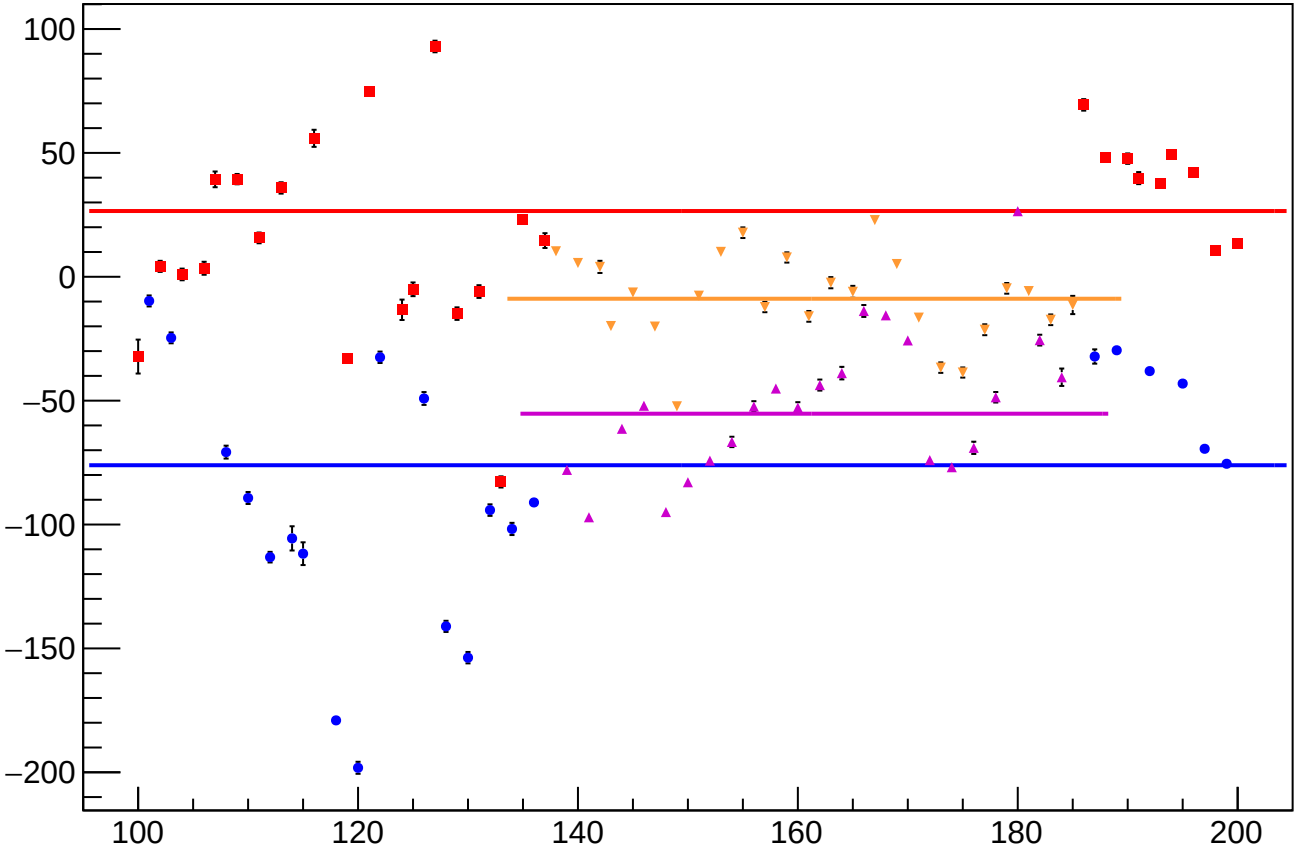
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1343.241+/-0.172 χ^2/NDF: 575222.1/46

All: 1347.631+/-0.121 χ^2/NDF: 1338791.9/97

- sign 1351.935+/-0.170 χ^2/NDF: 762274.1/50

diff_bpm0i02aX_mean vs Slug



Right In: -76.063+/-0.431 χ^2/NDF: 12088.3/21

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 26.542+/-0.389 χ^2/NDF: 7235.1/27

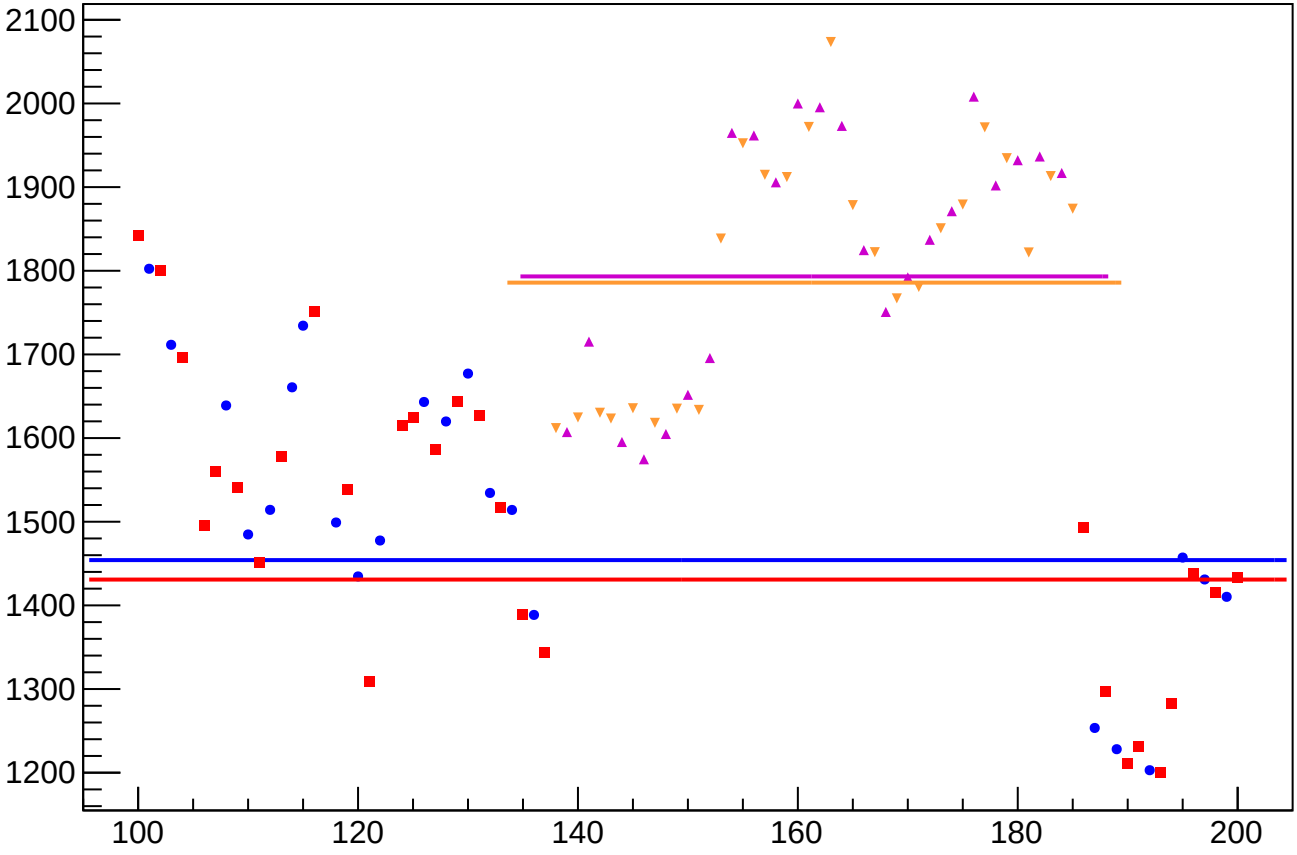
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -40.590+/-0.296 χ^2/NDF: 26903.4/46

All: -25.349+/-0.205 χ^2/NDF: 64409.1/97

\- sign -11.159+/-0.285 χ^2/NDF: 32380.0/50

diff_bpm0i02aX_rms vs Slug



Right In: 1454.130+/-0.304 χ^2/NDF: 280909.1/21

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1430.863+/-0.275 χ^2/NDF: 329824.8/27

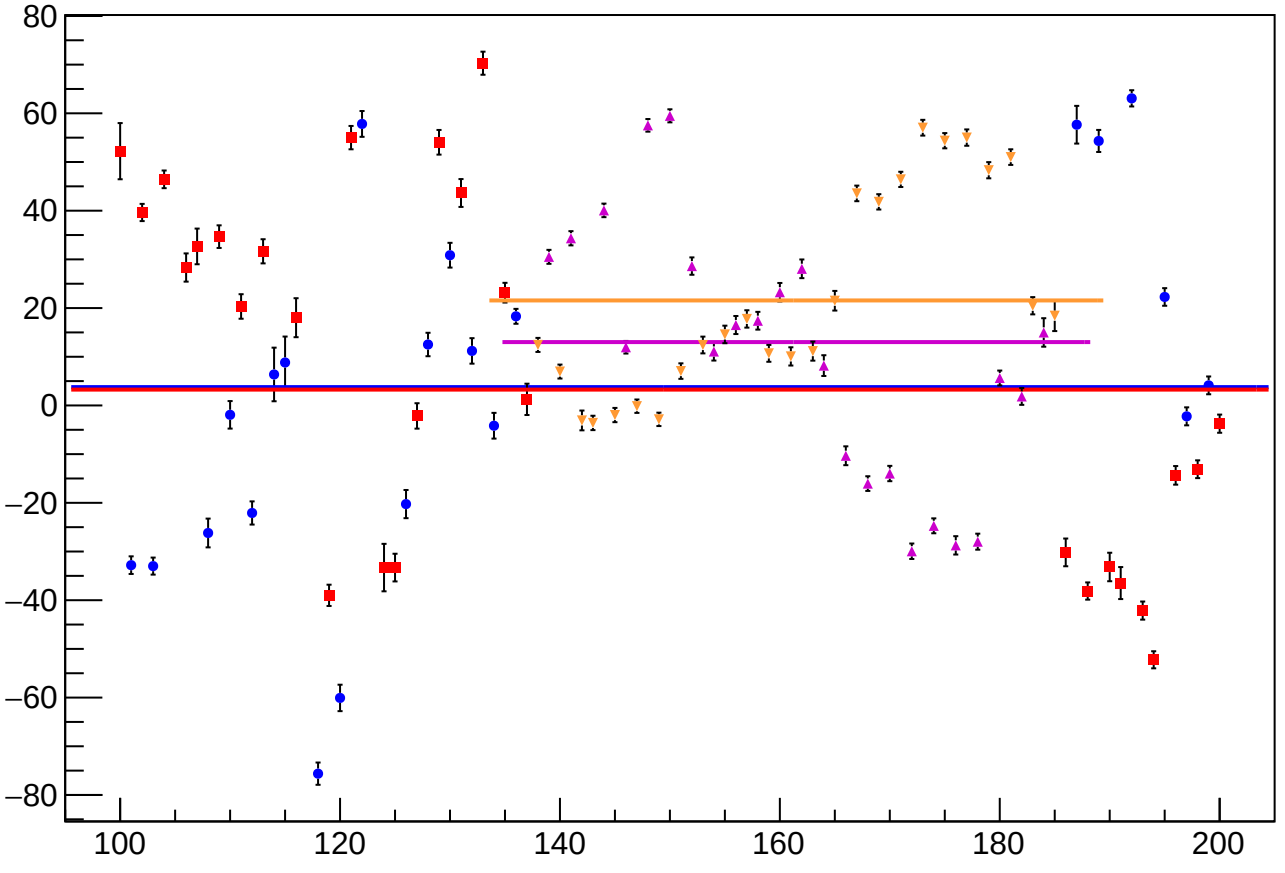
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1629.220+/-0.209 χ^2/NDF: 1144837.1/46

All: 1612.983+/-0.145 χ^2/NDF: 2540025.0/97

- sign 1597.866+/-0.202 χ^2/NDF: 1383553.5/50

diff_bpm0i02aY_mean vs Slug



Right In: 3.765+/-0.484 χ^2/NDF: 5626.5/21

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 3.254+/-0.446 χ^2/NDF: 6904.5/27

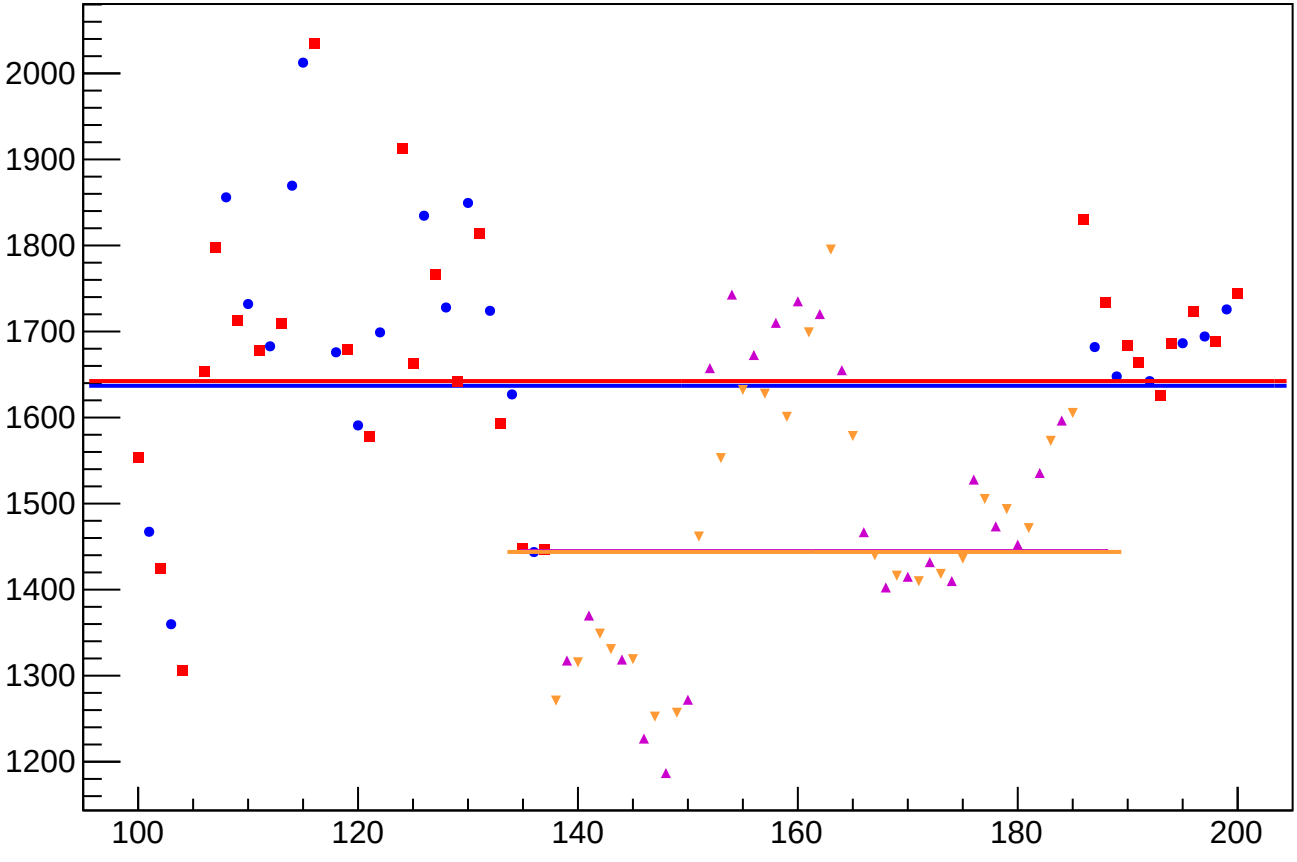
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.920+/-0.273 χ^2/NDF: 10710.8/46

All: 12.643+/-0.192 χ^2/NDF: 24832.2/97

- sign 9.422+/-0.270 χ^2/NDF: 13834.9/50

diff_bpm0i02aY_rms vs Slug



Right In: 1636.929+/-0.342 χ^2/NDF: 166304.7/21

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1642.415+/-0.315 χ^2/NDF: 199785.7/27

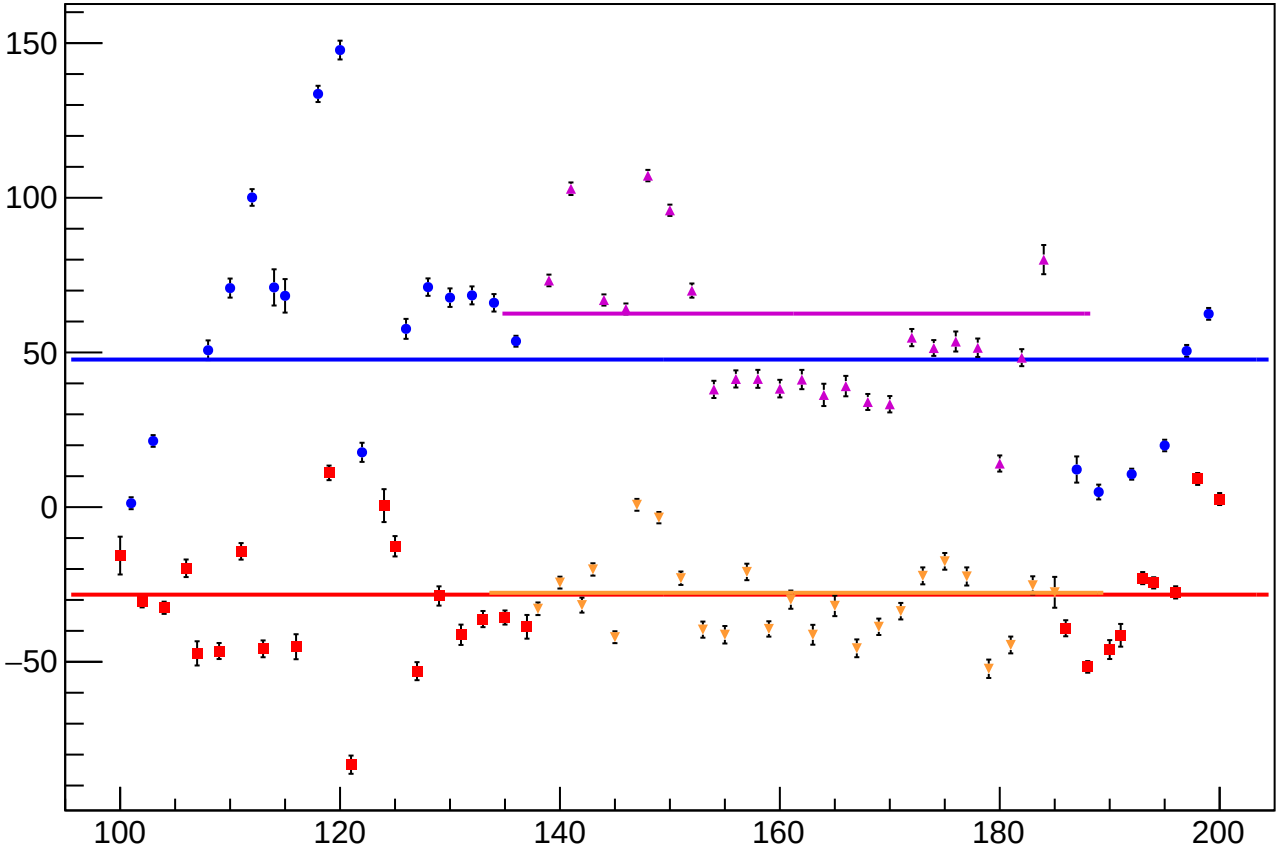
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1505.080+/-0.193 χ^2/NDF: 736044.3/46

All: 1511.365+/-0.136 χ^2/NDF: 1671745.9/97

- sign 1517.543+/-0.191 χ^2/NDF: 933594.1/50

diff_bpm0i05X_mean vs Slug



Right In: 47.707+/-0.528 χ^2/NDF: 4825.3/21

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -28.290+/-0.479 χ^2/NDF: 1835.4/27

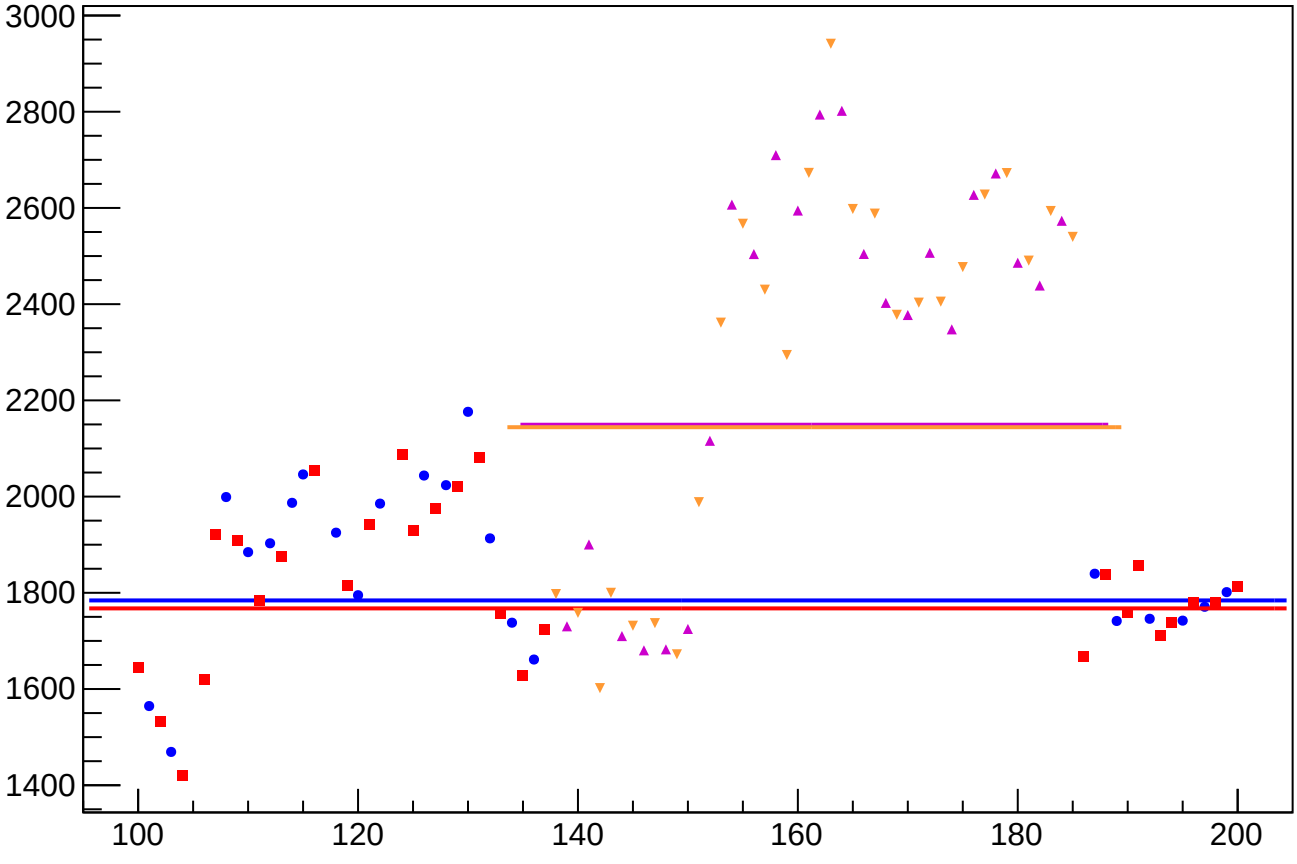
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 7.675+/-0.361 χ^2/NDF: 16429.8/46

All: 11.024+/-0.251 χ^2/NDF: 37678.0/97

- sign 14.162+/-0.350 χ^2/NDF: 21082.0/50

diff_bpm0i05X_rms vs Slug



Right In: 1784.162+/-0.373 χ^2/NDF: 197031.7/21

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1767.587+/-0.339 χ^2/NDF: 200350.2/27

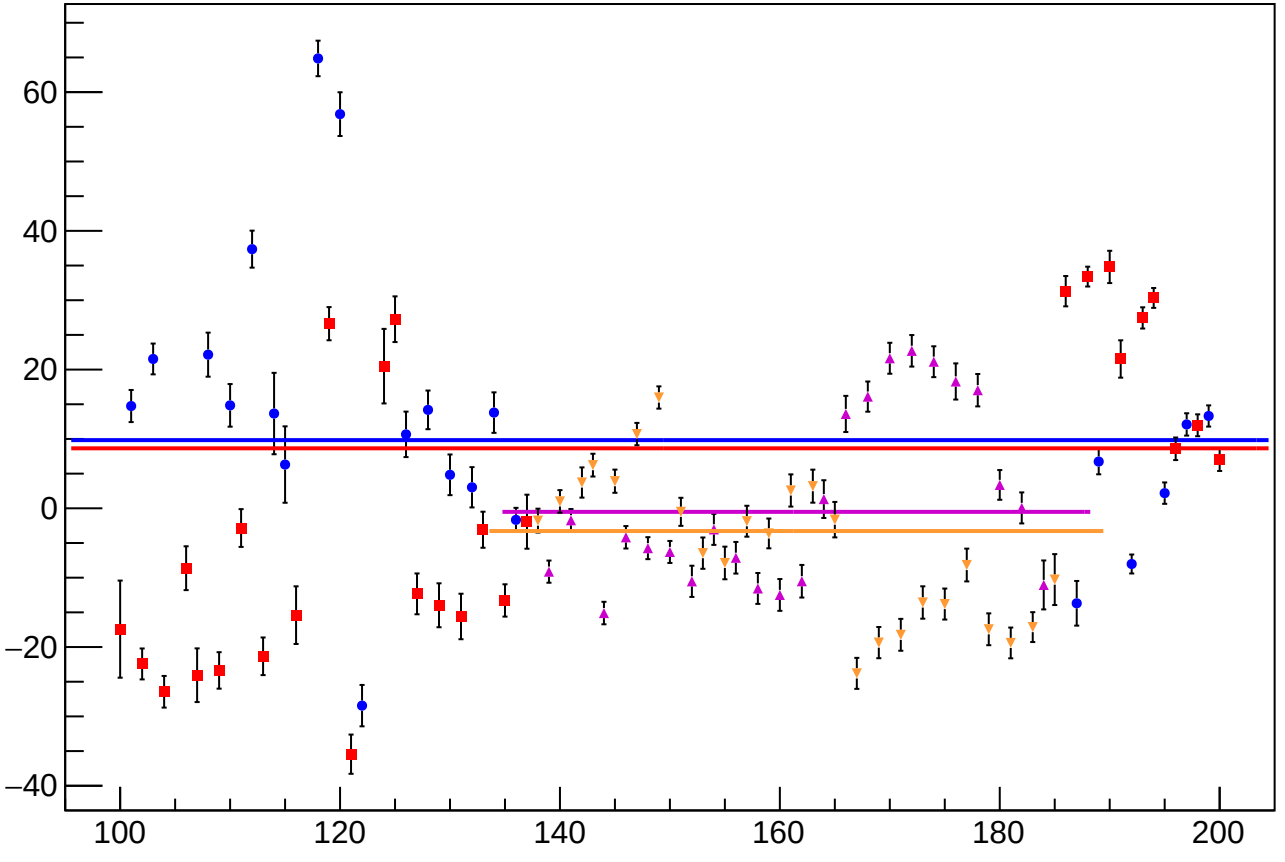
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1975.326+/-0.256 χ^2/NDF: 1971195.9/46

All: 1960.176+/-0.178 χ^2/NDF: 4037005.7/97

- sign 1945.983+/-0.247 χ^2/NDF: 2059003.5/50

diff_bpm0i05Y_mean vs Slug



Right In: 9.830+/-0.486 χ^2/NDF: 1321.1/21

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 8.649+/-0.435 χ^2/NDF: 2419.1/27

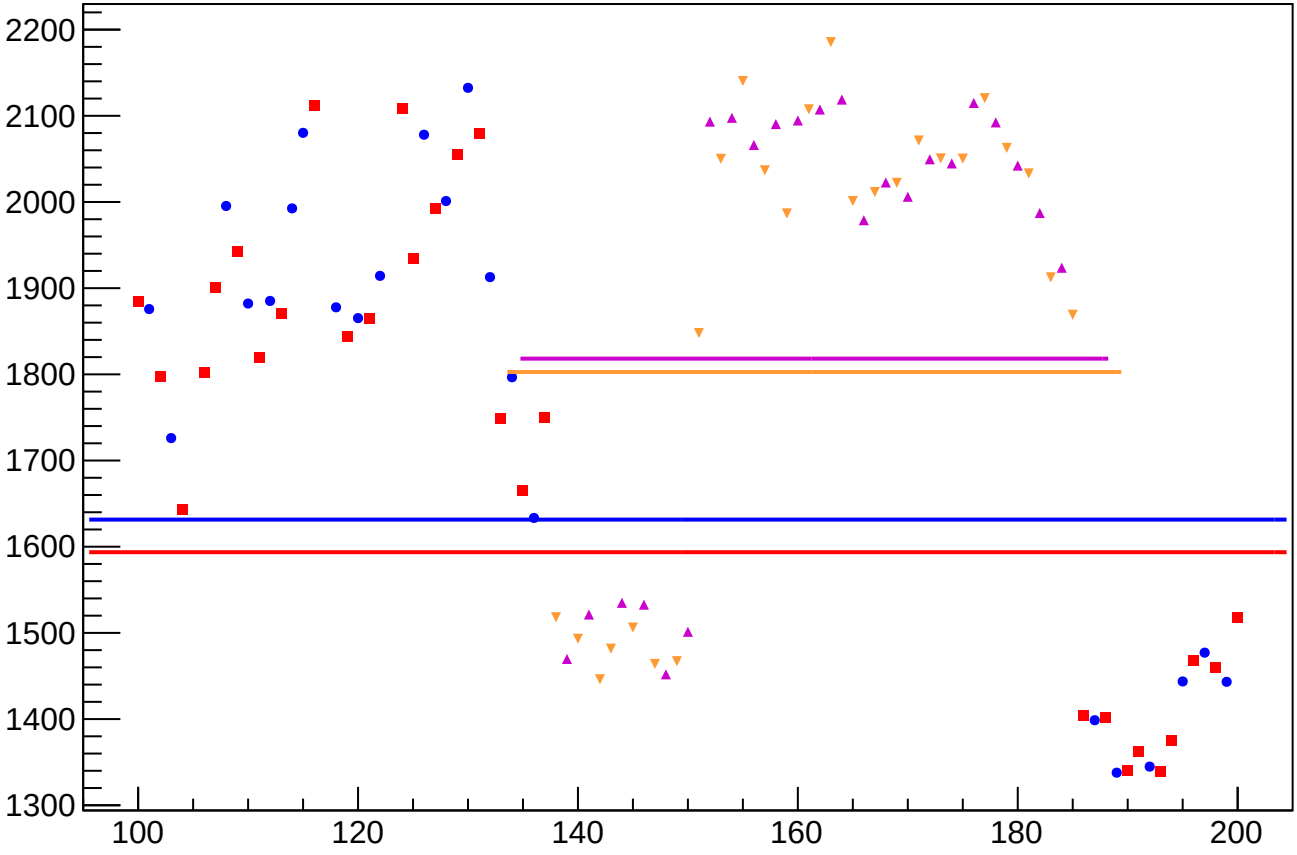
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.245+/-0.315 χ^2/NDF: 2413.0/46

All: 3.156+/-0.220 χ^2/NDF: 5818.4/97

- sign 4.012+/-0.306 χ^2/NDF: 3389.2/50

diff_bpm0i05Y_rms vs Slug



Right In: 1631.458+/-0.344 χ^2/NDF: 535847.9/21

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1593.621+/-0.308 χ^2/NDF: 580227.4/27

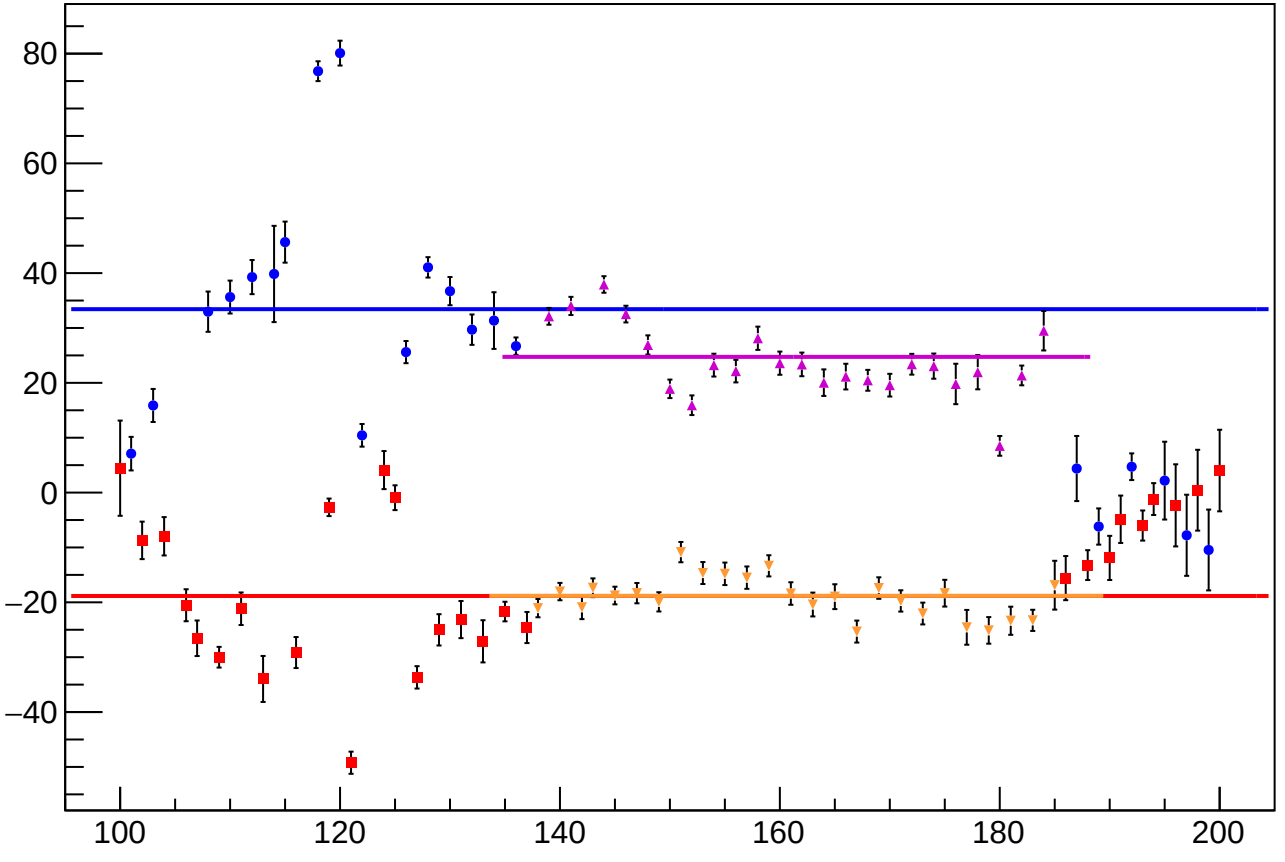
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1730.592+/-0.223 χ^2/NDF: 1577002.0/46

All: 1718.594+/-0.155 χ^2/NDF: 3272909.0/97

- sign 1707.320+/-0.216 χ^2/NDF: 1690295.0/50

diff_bpm0i07X_mean vs Slug



Right In: 33.427+/-0.584 χ^2/NDF: 1694.3/21

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

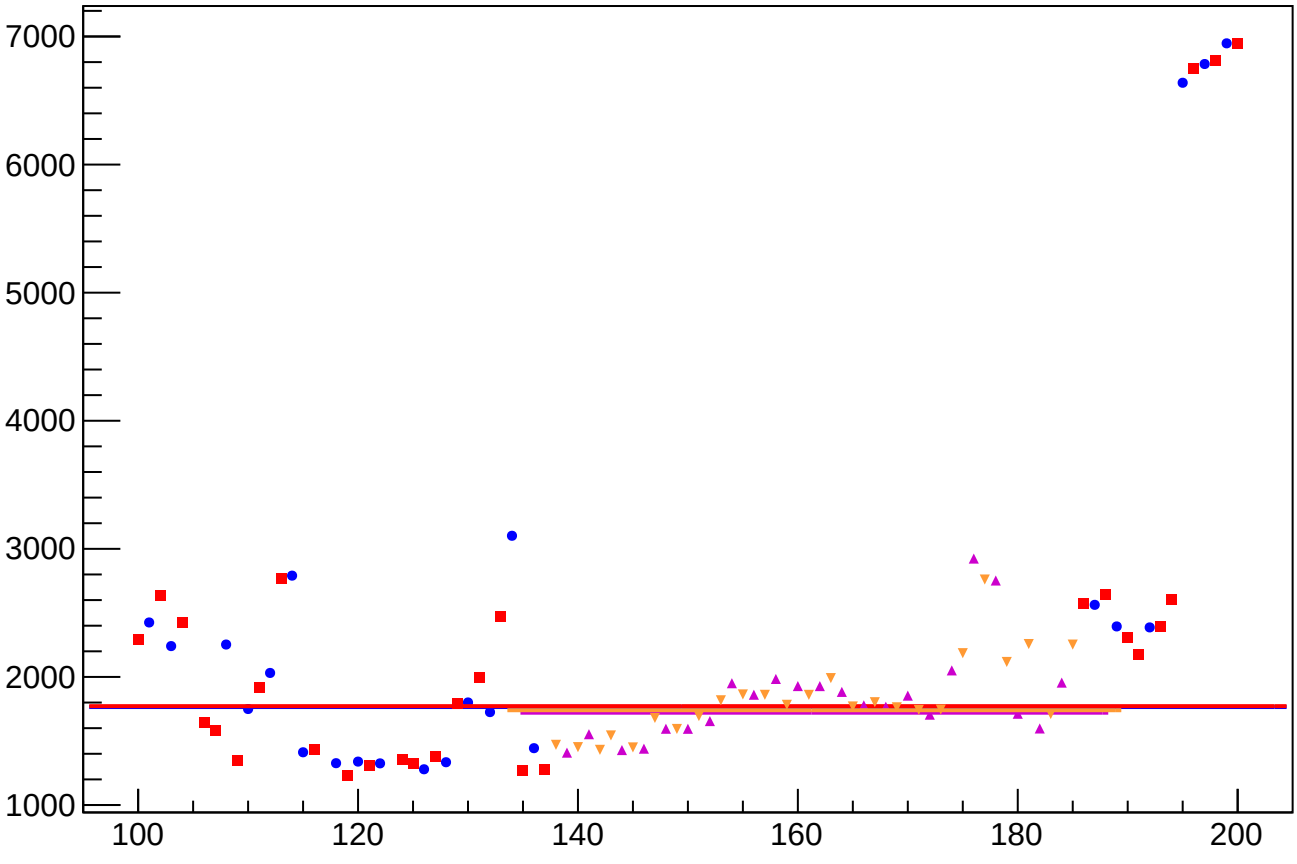
Right Out: -18.843+/-0.537 χ^2/NDF: 698.4/27

Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.042+/-0.331 χ^2/NDF: 7193.8/46

All: 3.455+/-0.232 χ^2/NDF: 12906.5/97

- sign 8.760+/-0.325 χ^2/NDF: 5171.3/50



Right In: 1765.012+/-0.413 χ^2/NDF: 4055106.8/21

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1771.909+/-0.380 χ^2/NDF: 4670592.1/27

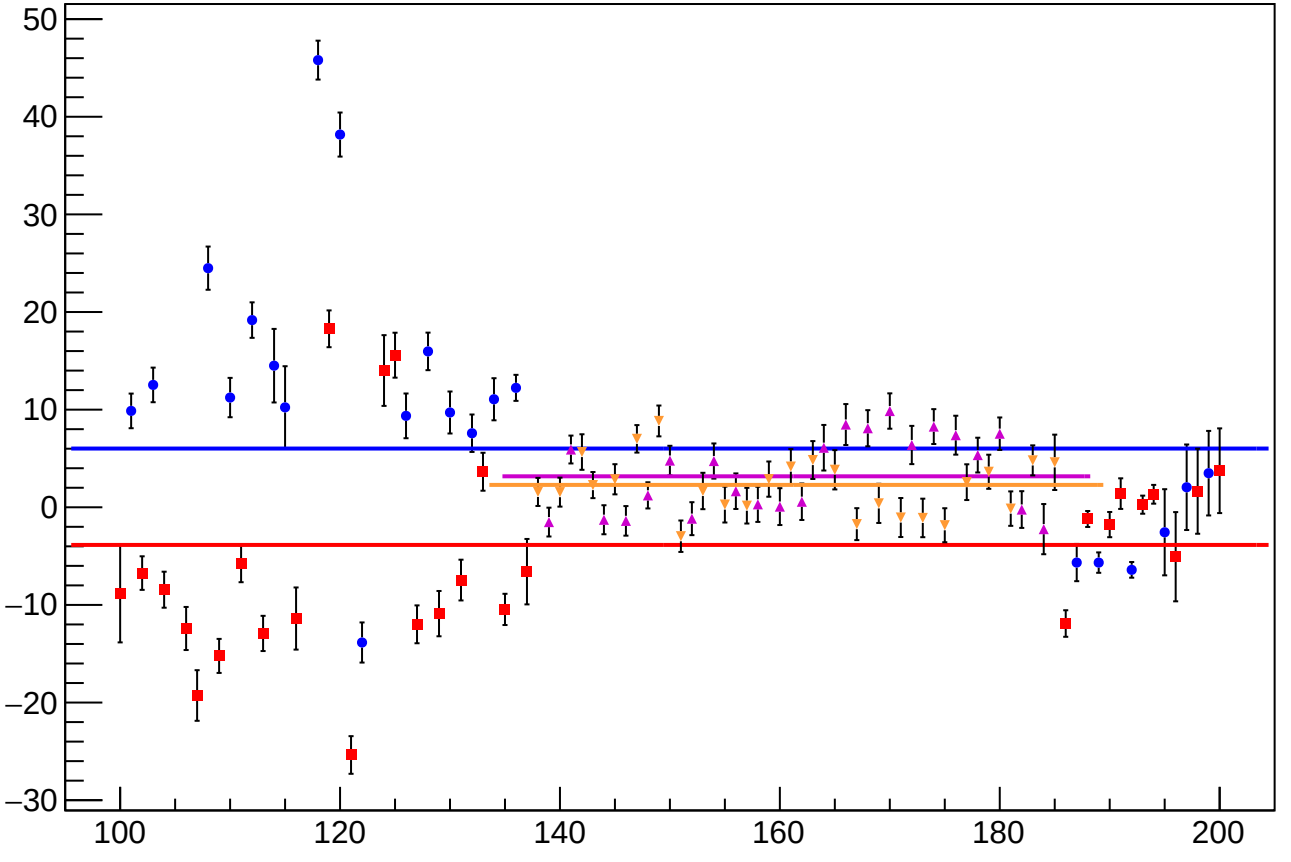
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1748.091+/-0.234 χ^2/NDF: 4810953.5/46

All: 1743.757+/-0.164 χ^2/NDF: 10377640.1/9

- sign 1739.574+/-0.230 χ^2/NDF: 5566013.3/50

diff_bpm0i07Y_mean vs Slug



Right In: 6.016+/-0.383 χ^2/NDF: 1315.0/21

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.856+/-0.321 χ^2/NDF: 668.5/27

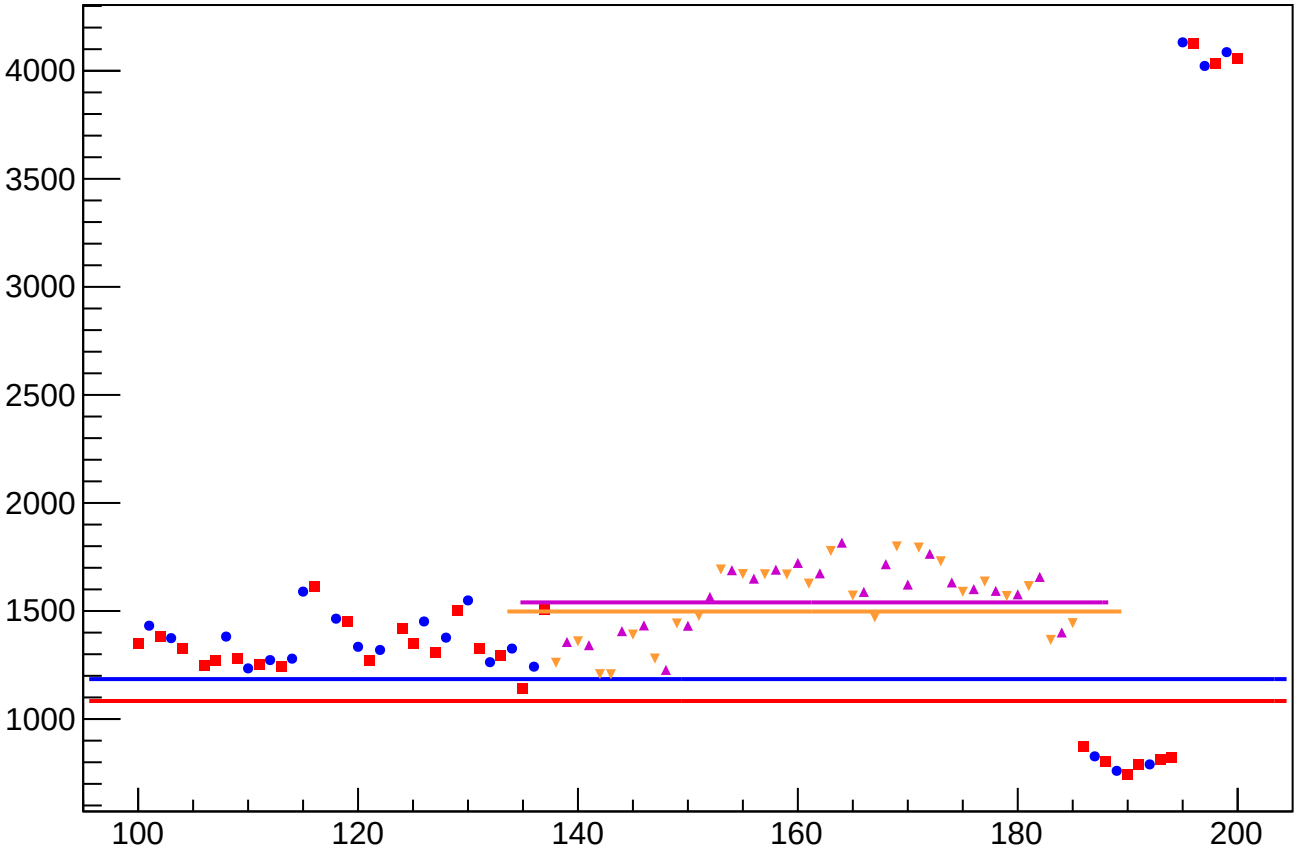
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

\+ sign 3.954+/-0.256 χ^2/NDF: 1440.9/46

All: 1.445+/-0.175 χ^2/NDF: 2612.0/97

\- sign -0.769+/-0.240 χ^2/NDF: 989.8/50

diff_bpm0i07Y_rms vs Slug



Right In: 1184.853+/-0.271 χ^2/NDF: 3793703.0/21

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1083.538+/-0.227 χ^2/NDF: 4112609.8/27

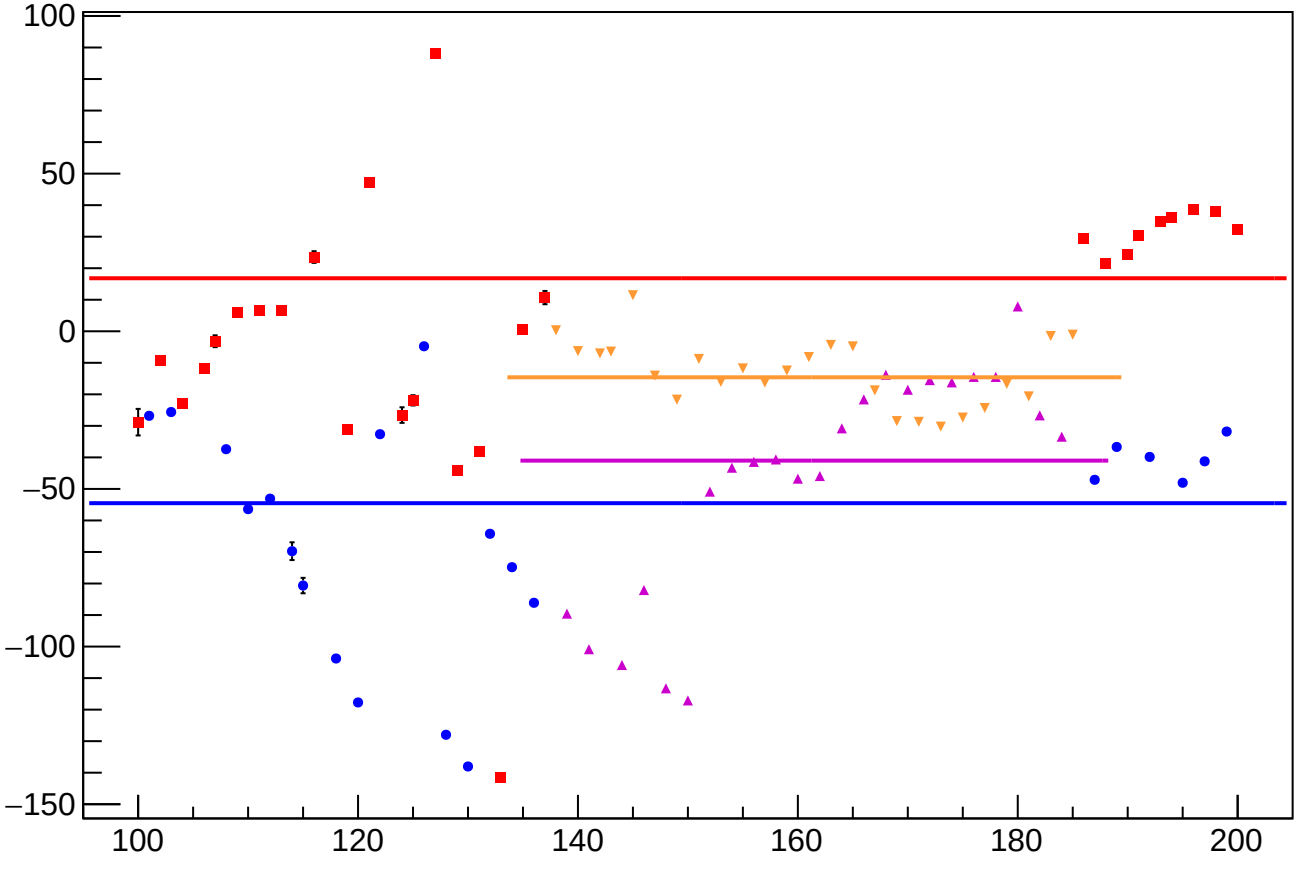
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1358.142+/-0.181 χ^2/NDF: 5102603.2/46

All: 1318.728+/-0.124 χ^2/NDF: 11463402.3/9

- sign 1283.934+/-0.170 χ^2/NDF: 6271277.7/50

diff_bpm1i02X_mean vs Slug



Right In: -54.521+/-0.234 χ^2/NDF: 17155.8/21

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 16.817+/-0.208 χ^2/NDF: 29224.4/27

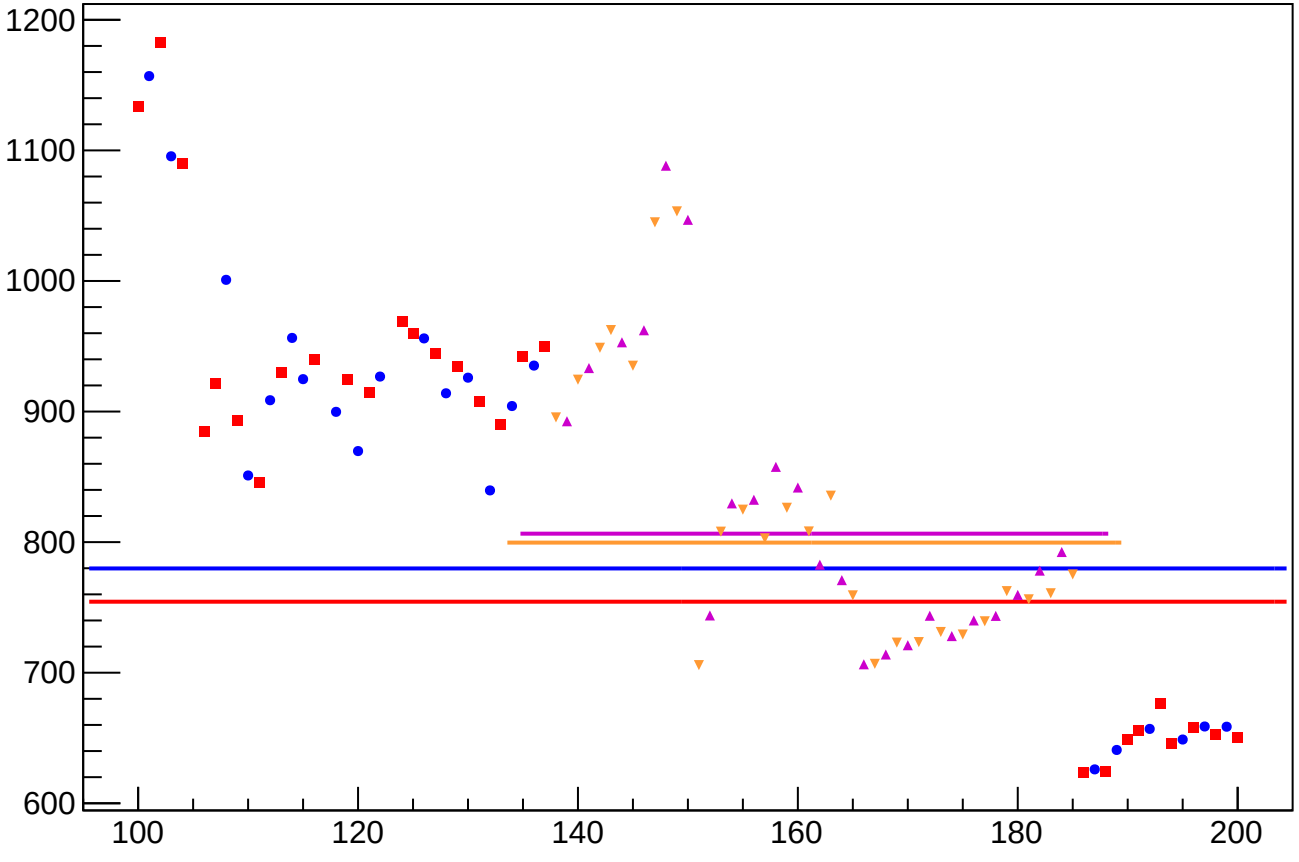
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.760+/-0.144 χ^2/NDF: 38401.8/46

All: -22.014+/-0.100 χ^2/NDF: 146596.1/97

- sign -14.692+/-0.140 χ^2/NDF: 102571.7/50

diff_bpm1i02X_rms vs Slug



Right In: 779.843+/-0.165 χ^2/NDF: 839255.5/21

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 754.376+/-0.147 χ^2/NDF: 1032796.7/27

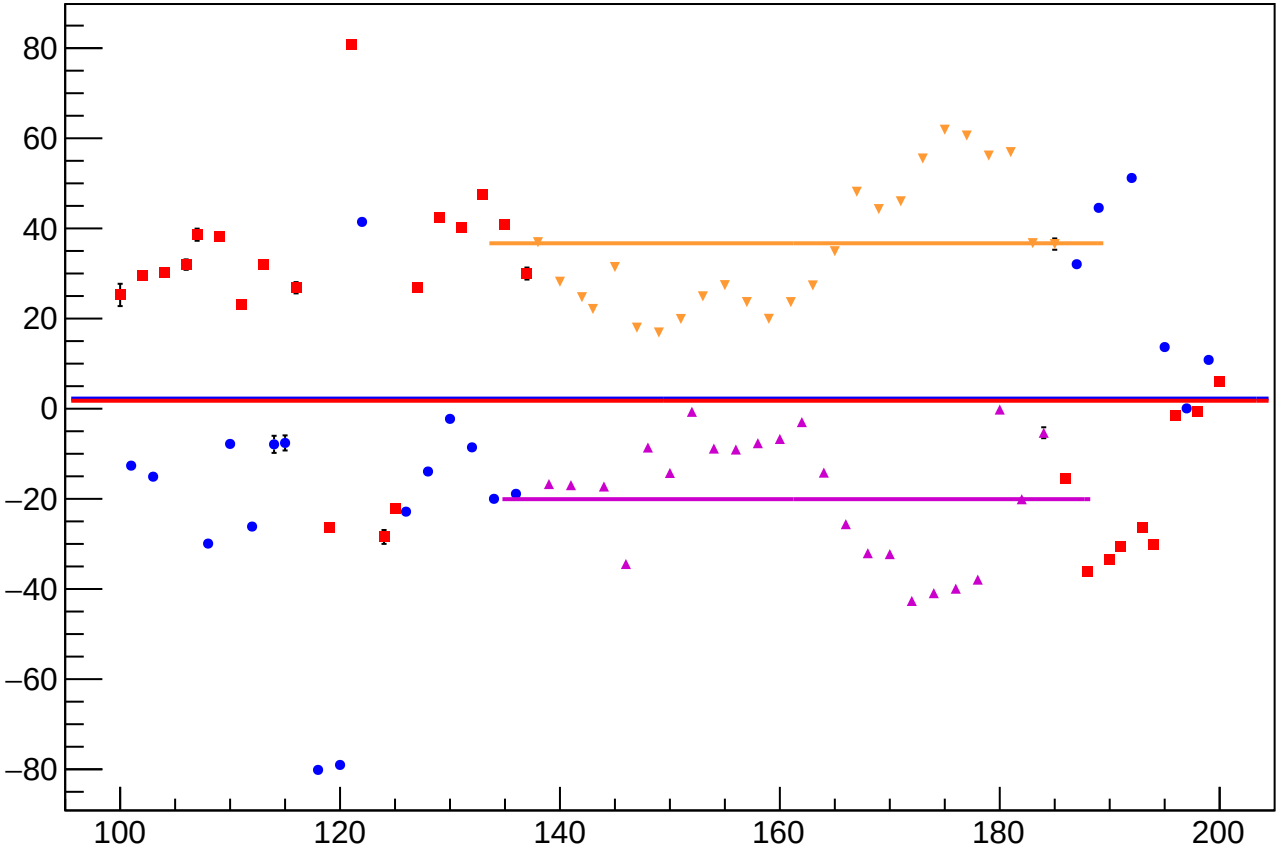
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 792.121+/-0.102 χ^2/NDF: 1345580.5/46

All: 787.309+/-0.071 χ^2/NDF: 2962633.0/97

- sign 782.760+/-0.099 χ^2/NDF: 1612712.8/50

diff_bpm1i02Y_mean vs Slug



Right In: 2.244+/-0.165 χ^2/NDF: 37809.9/21

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.771+/-0.148 χ^2/NDF: 42950.6/27

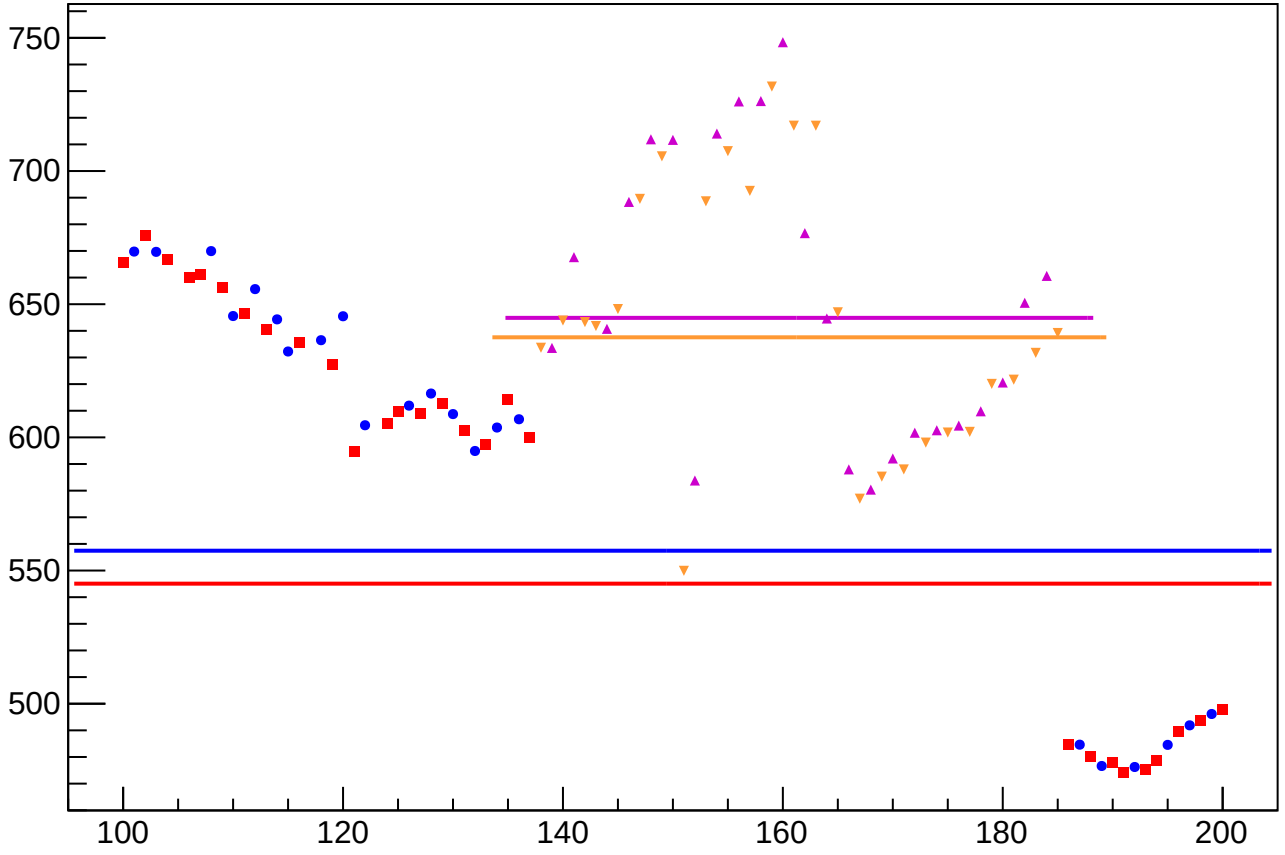
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.687+/-0.109 χ^2/NDF: 72511.2/46

All: 5.902+/-0.076 χ^2/NDF: 175168.0/97

- sign -8.947+/-0.106 χ^2/NDF: 62132.2/50

diff_bpm1i02Y_rms vs Slug



Right In: 557.447+/-0.117 χ^2/NDF: 408146.8/21

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 545.078+/-0.105 χ^2/NDF: 492785.6/27

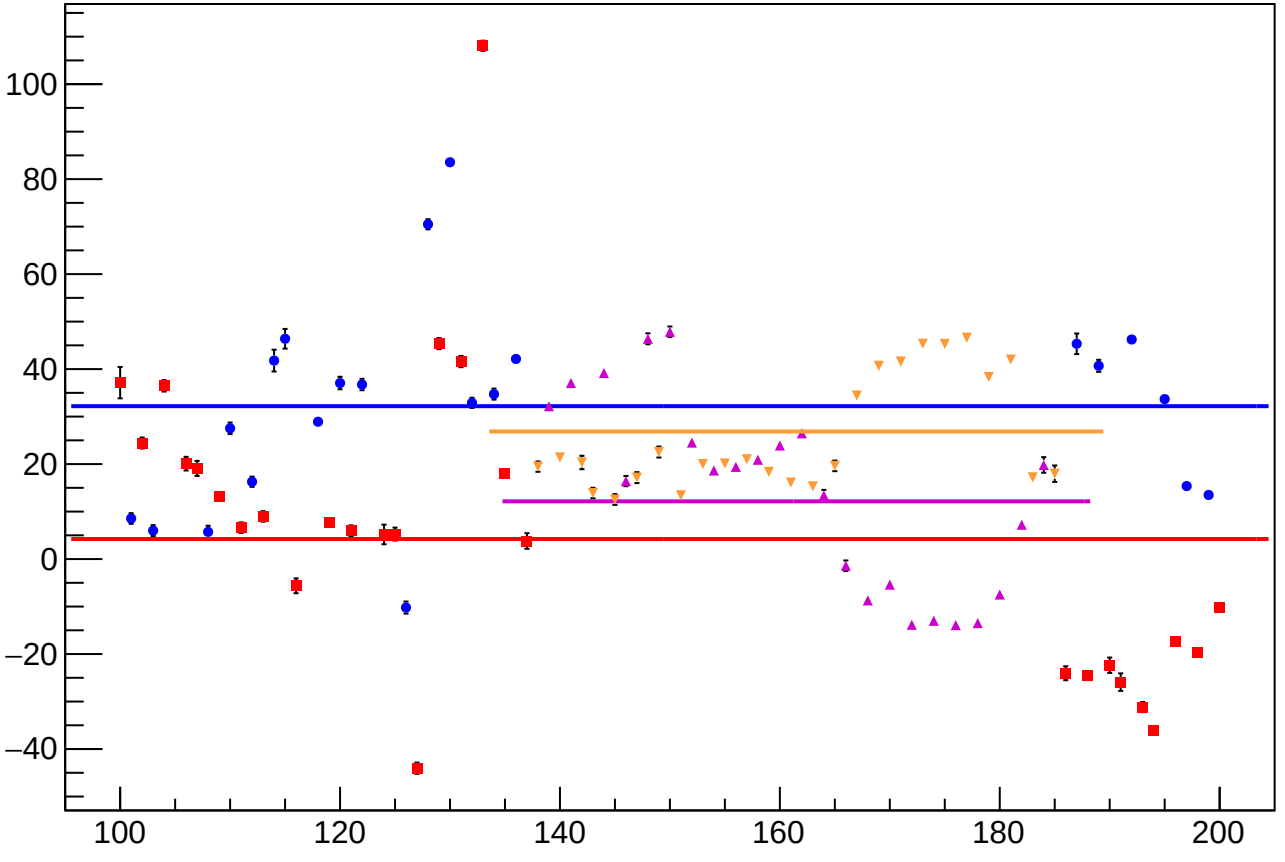
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 602.652+/-0.077 χ^2/NDF: 909252.2/46

All: 598.220+/-0.054 χ^2/NDF: 2081465.5/97

- sign 594.052+/-0.075 χ^2/NDF: 1165824.8/50

diff_bpm1i04X_mean vs Slug



Right In: 32.192+/-0.243 χ^2/NDF: 7636.4/21

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 4.226+/-0.228 χ^2/NDF: 20848.6/27

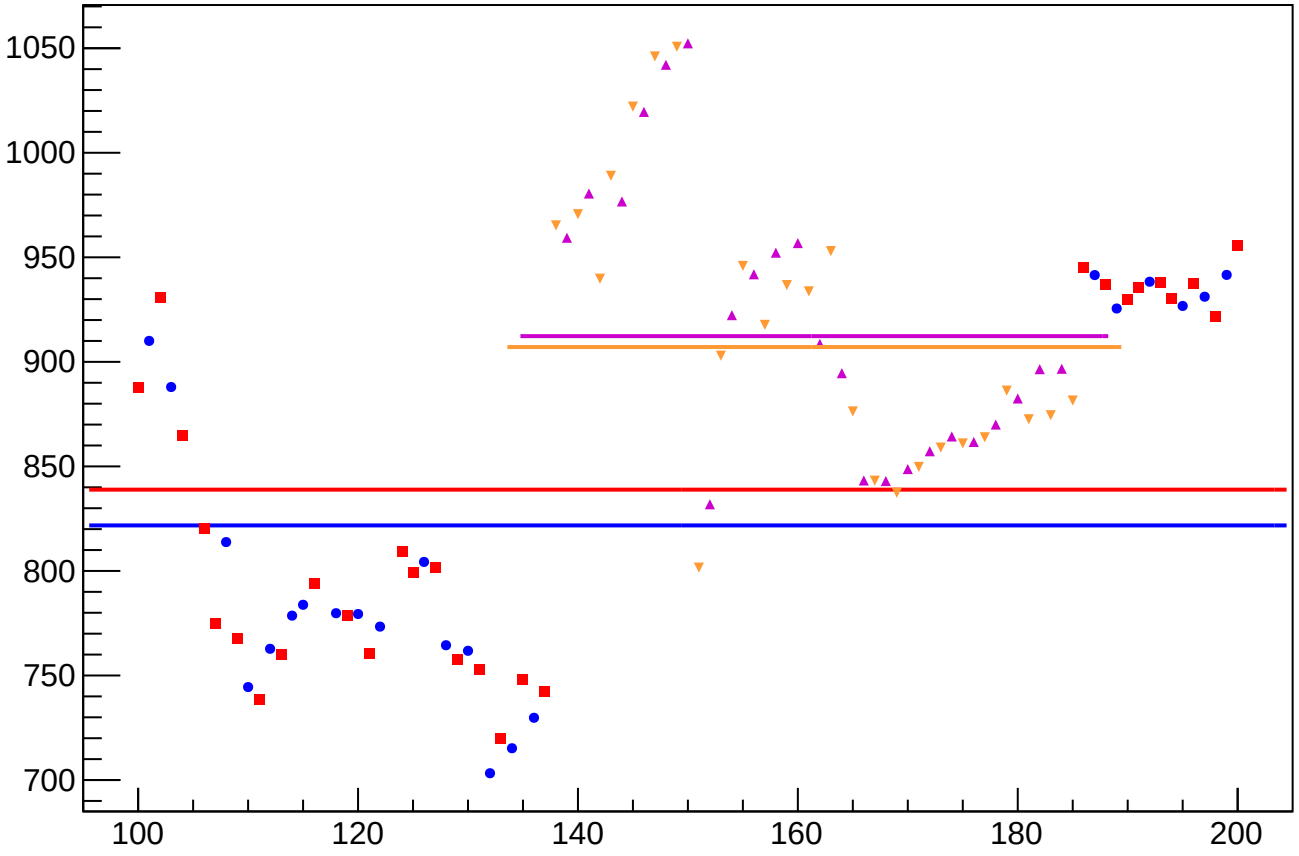
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.100+/-0.157 χ^2/NDF: 11305.2/46

All: 18.661+/-0.111 χ^2/NDF: 50043.0/97

- sign 8.443+/-0.156 χ^2/NDF: 30041.2/50

diff_bpm1i04X_rms vs Slug



Right In: 821.775+/-0.172 χ^2/NDF: 249676.5/21

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 838.883+/-0.161 χ^2/NDF: 279173.8/27

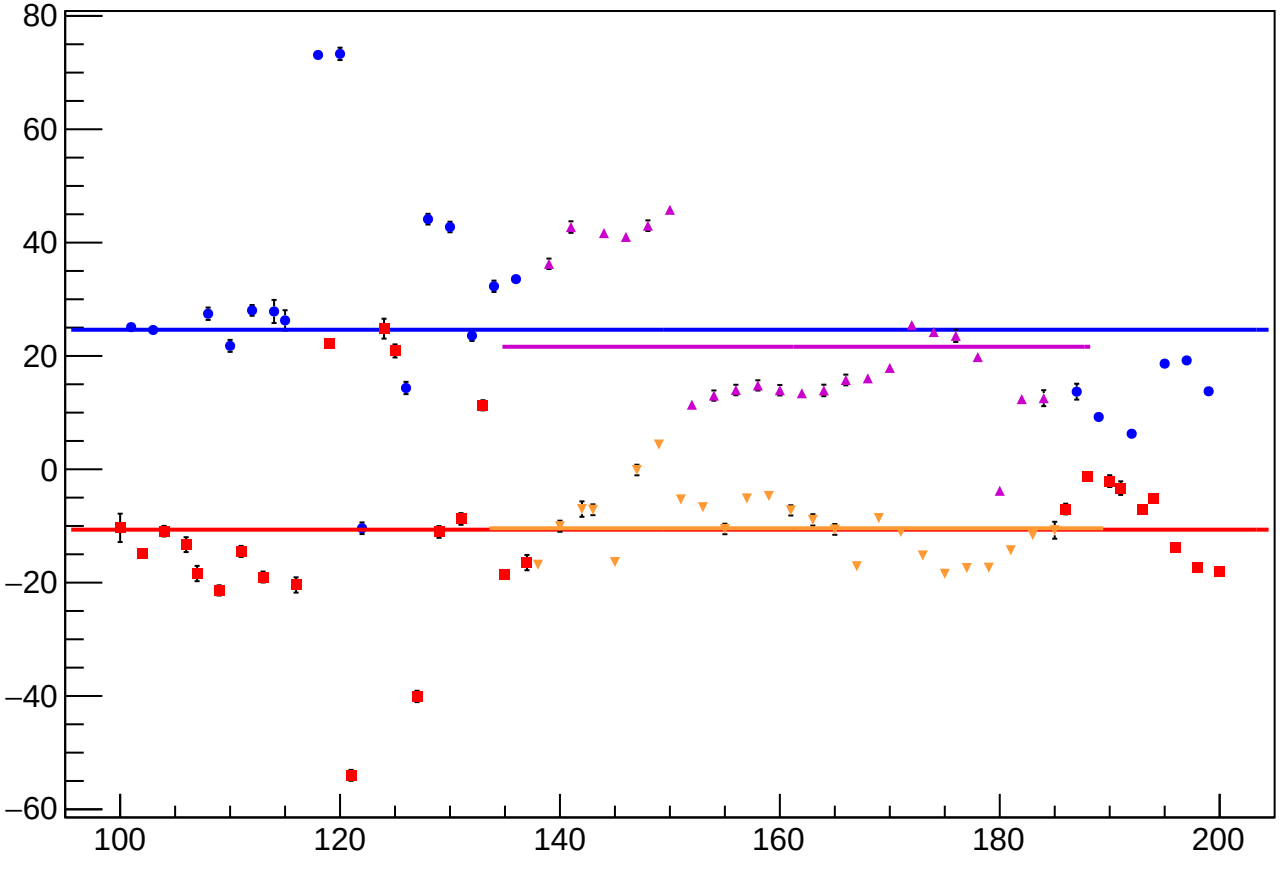
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 871.303+/-0.111 χ^2/NDF: 587237.3/46

All: 874.641+/-0.078 χ^2/NDF: 1153501.7/97

- sign 877.908+/-0.110 χ^2/NDF: 564486.1/50

diff_bpm1i04Y_mean vs Slug



Right In: 24.625+/-0.184 χ^2/NDF: 9227.4/21

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.653+/-0.171 χ^2/NDF: 7298.8/27

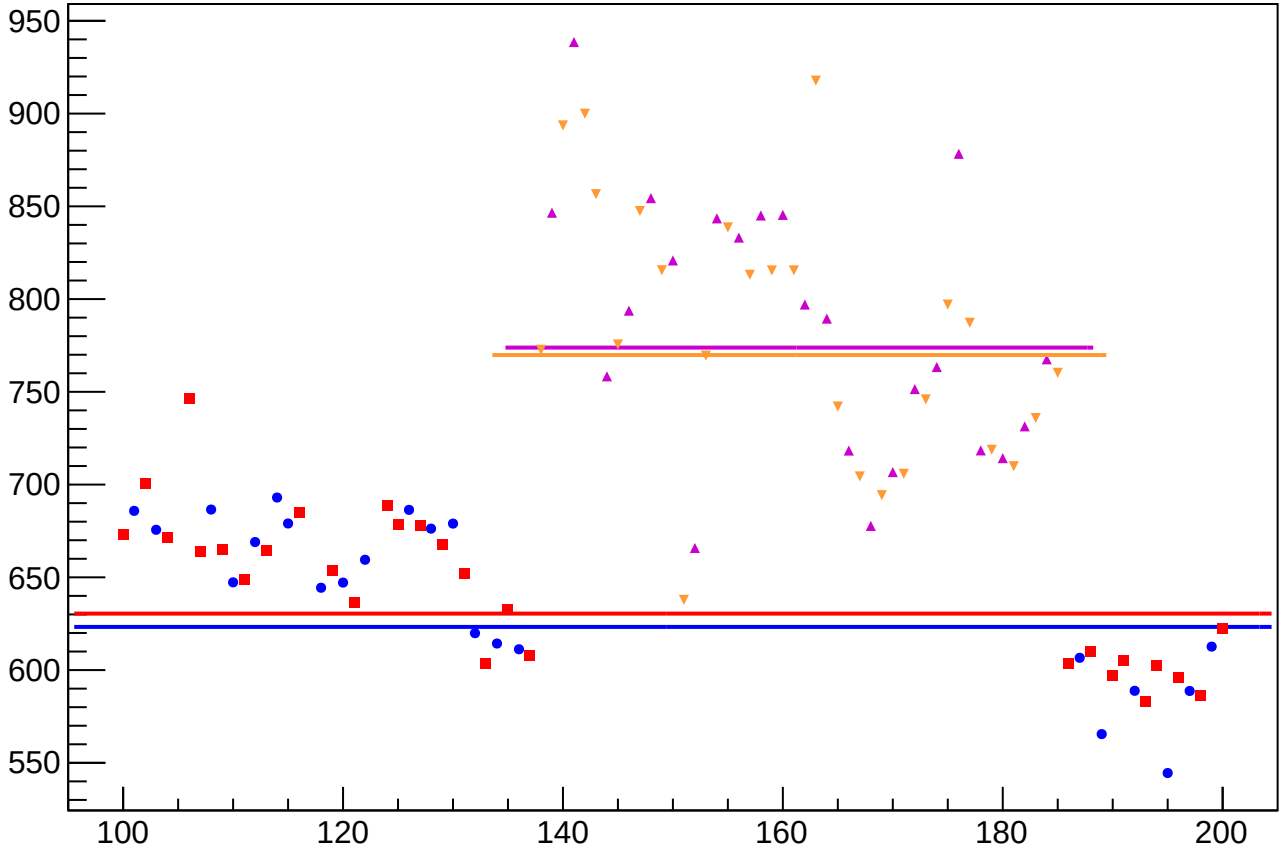
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 6.309+/-0.127 χ^2/NDF: 29172.3/46

All: 5.360+/-0.089 χ^2/NDF: 58560.9/97

- sign 4.453+/-0.124 χ^2/NDF: 29280.0/50

diff_bpm1i04Y_rms vs Slug



Right In: 623.272+/-0.130 χ^2/NDF: 120521.3/21

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 630.453+/-0.121 χ^2/NDF: 97224.0/27

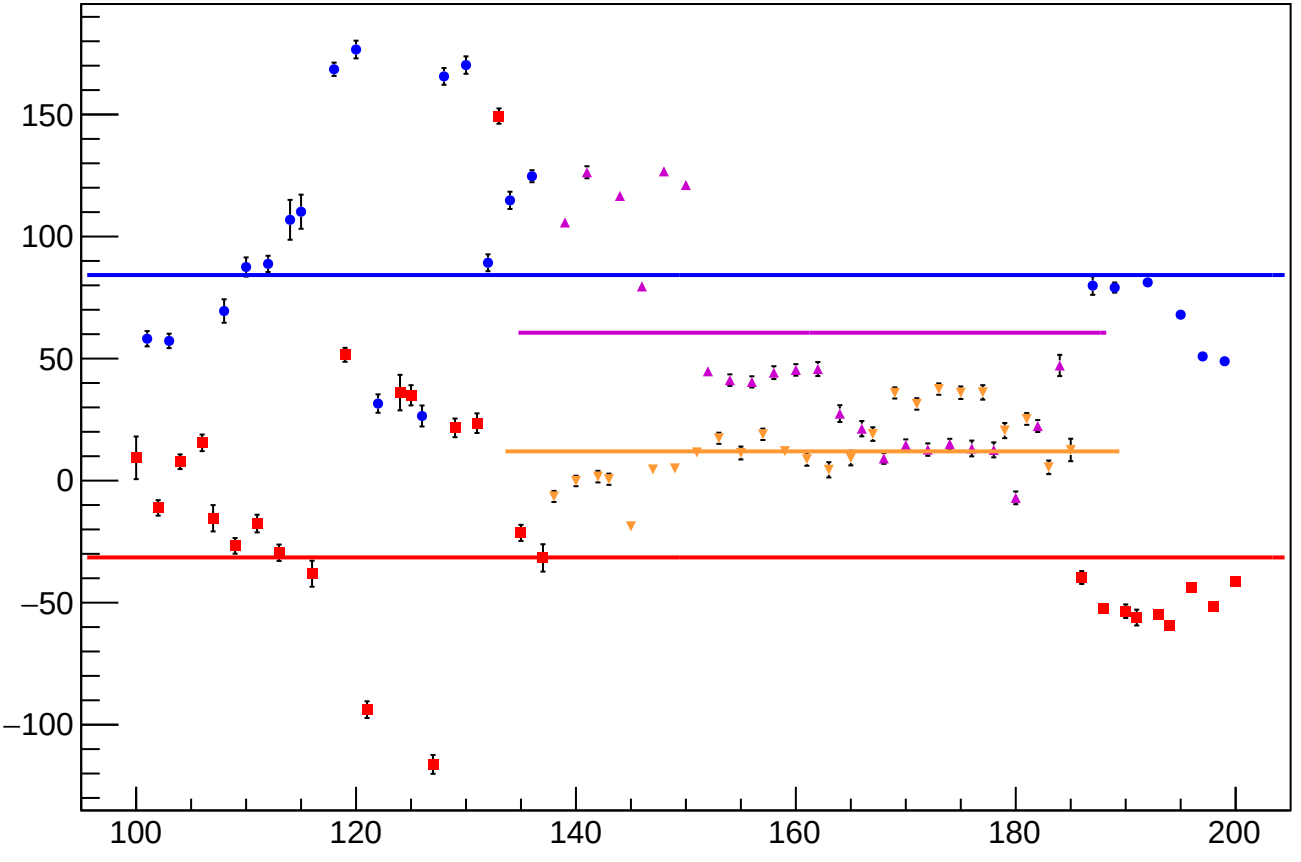
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 699.910+/-0.090 χ^2/NDF: 1086953.8/46

All: 698.713+/-0.063 χ^2/NDF: 2128229.5/97

- sign 697.568+/-0.088 χ^2/NDF: 1040929.6/50

diff_bpm1i06X_mean vs Slug



Right In: 84.229+/-0.582 χ^2/NDF: 4479.6/21

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -31.465+/-0.525 χ^2/NDF: 7091.3/27

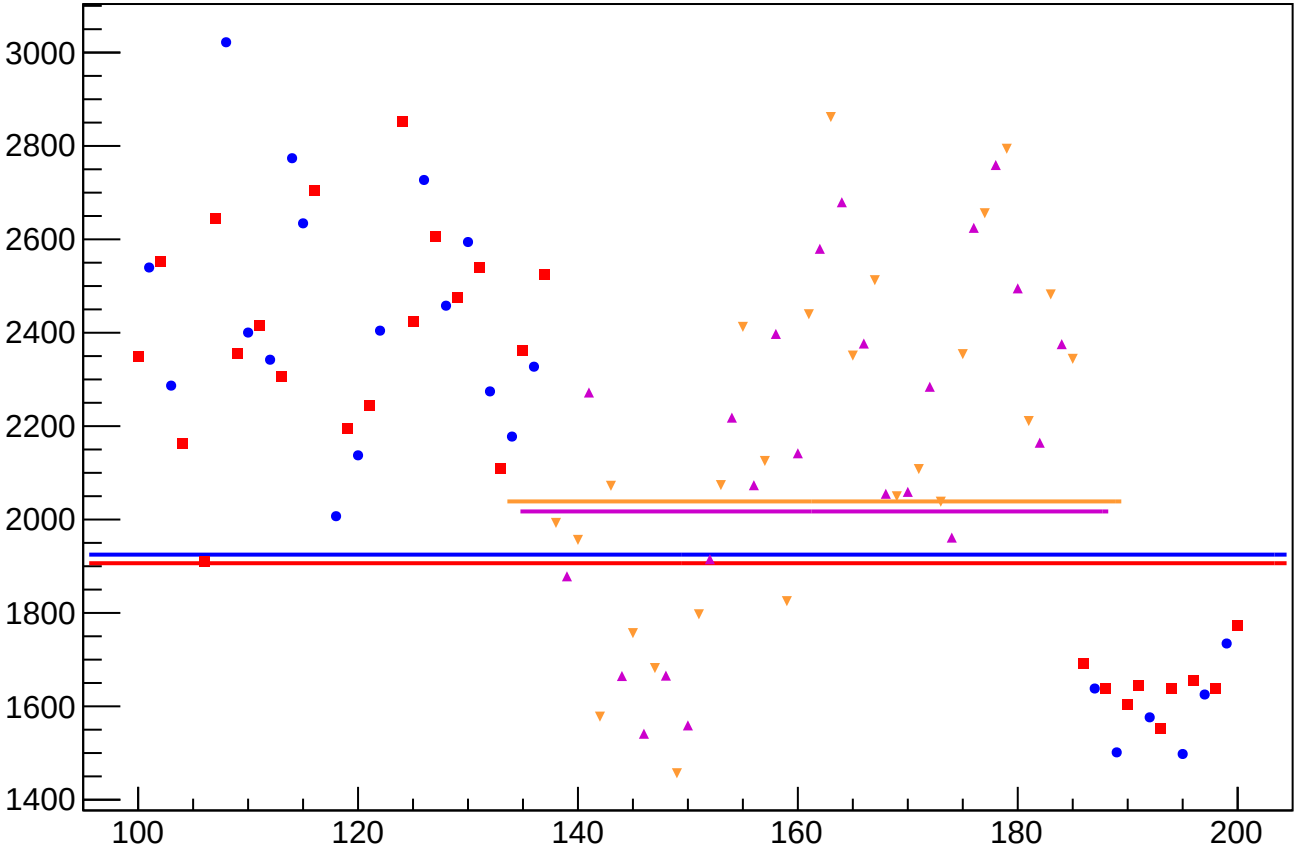
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

\+ sign 40.623+/-0.366 χ^2/NDF: 14729.8/46

All: 29.276+/-0.255 χ^2/NDF: 49022.7/97

\- sign 18.635+/-0.355 χ^2/NDF: 32433.7/50

diff_bpm1i06X_rms vs Slug



Right In: 1924.856+/-0.411 χ^2/NDF: 1031097.8/21

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1906.467+/-0.372 χ^2/NDF: 950273.3/27

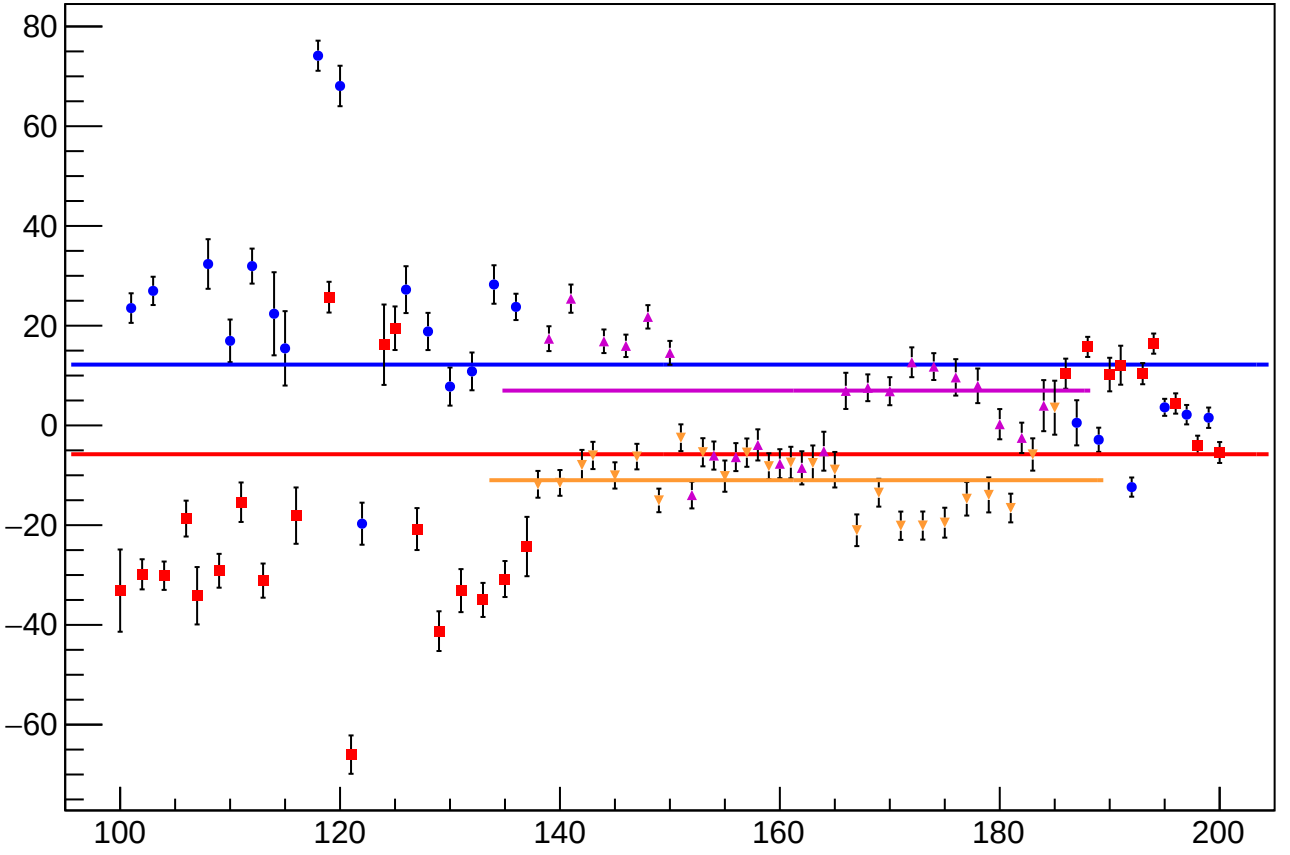
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1993.625+/-0.259 χ^2/NDF: 2200892.3/46

All: 1979.779+/-0.180 χ^2/NDF: 4255188.9/97

- sign 1966.796+/-0.251 χ^2/NDF: 2048761.4/50

diff_bpm1i06Y_mean vs Slug



Right In: 12.197+/-0.636 χ^2/NDF: 1099.5/21

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -5.778+/-0.583 χ^2/NDF: 1342.2/27

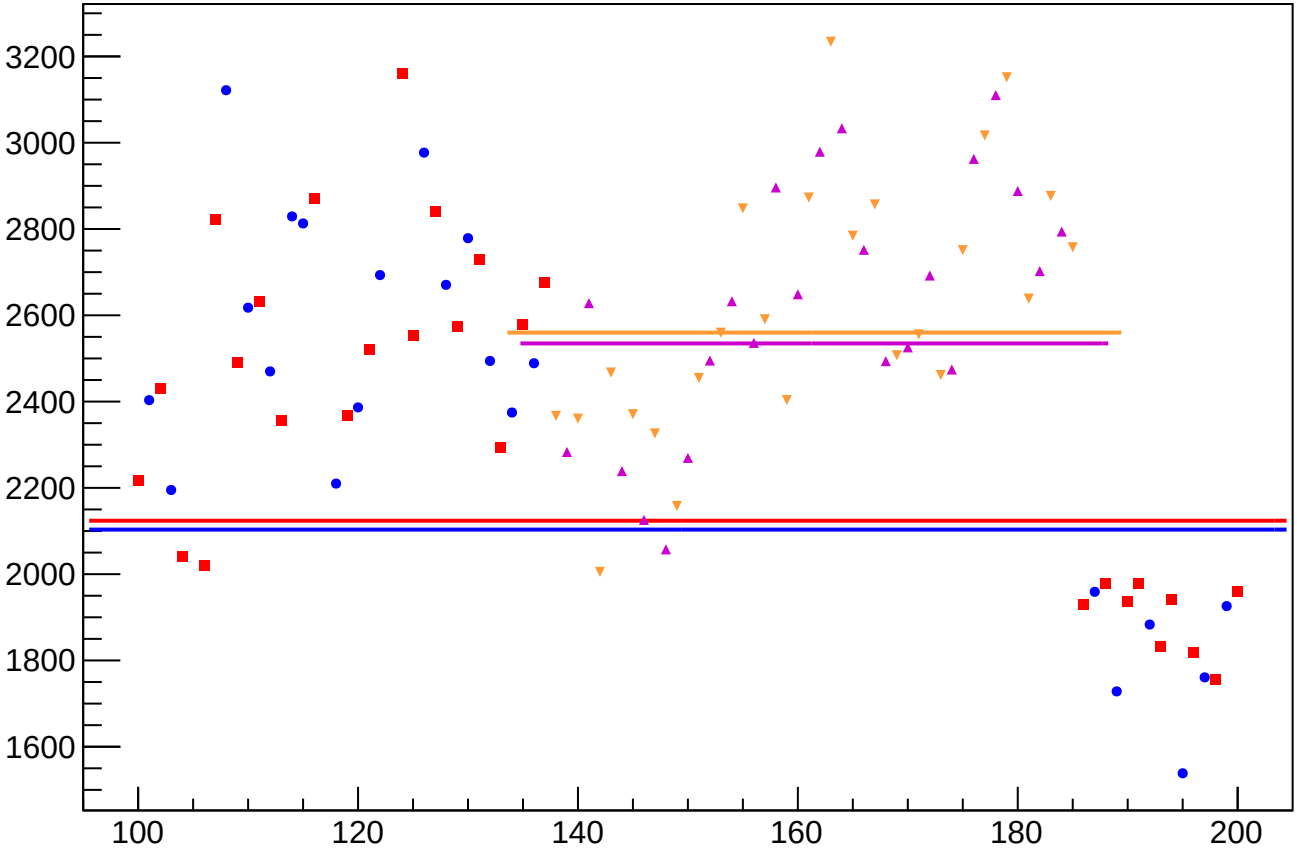
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.335+/-0.431 χ^2/NDF: 1906.3/46

All: 0.063+/-0.300 χ^2/NDF: 3823.0/97

\- sign 0.437+/-0.418 χ^2/NDF: 1915.0/50

diff_bpm1i06Y_rms vs Slug



Right In: 2103.307+/-0.449 χ^2/NDF: 866239.2/21

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

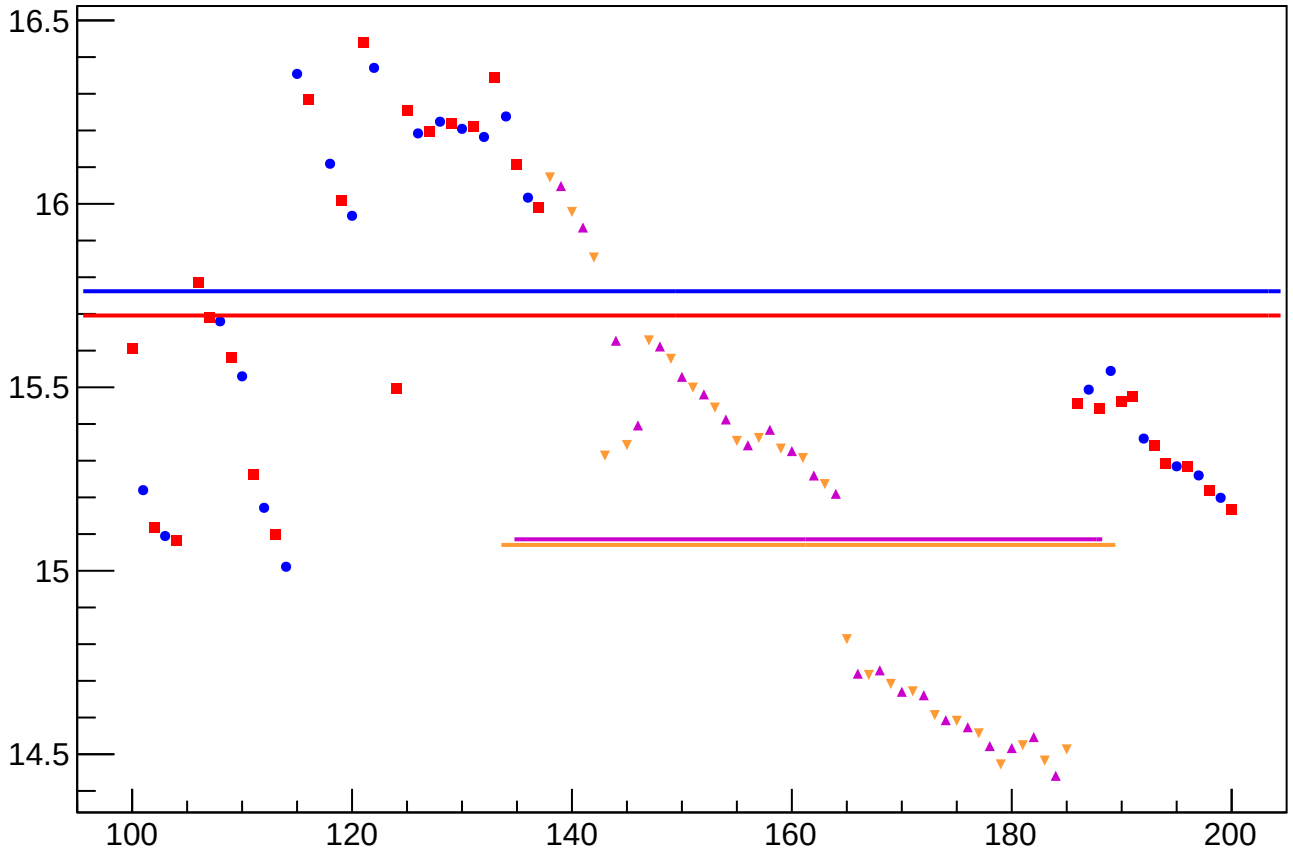
Right Out: 2123.885+/-0.412 χ^2/NDF: 629069.2/27

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2350.149+/-0.305 χ^2/NDF: 1874542.7/46

All: 2336.649+/-0.212 χ^2/NDF: 3454765.5/97

- sign 2323.962+/-0.295 χ^2/NDF: 1576412.5/50



Right In: 15.762+/-0.000 χ^2/NDF: 10455286216.5/21

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.696+/-0.000 χ^2/NDF: 11654277425.7/27

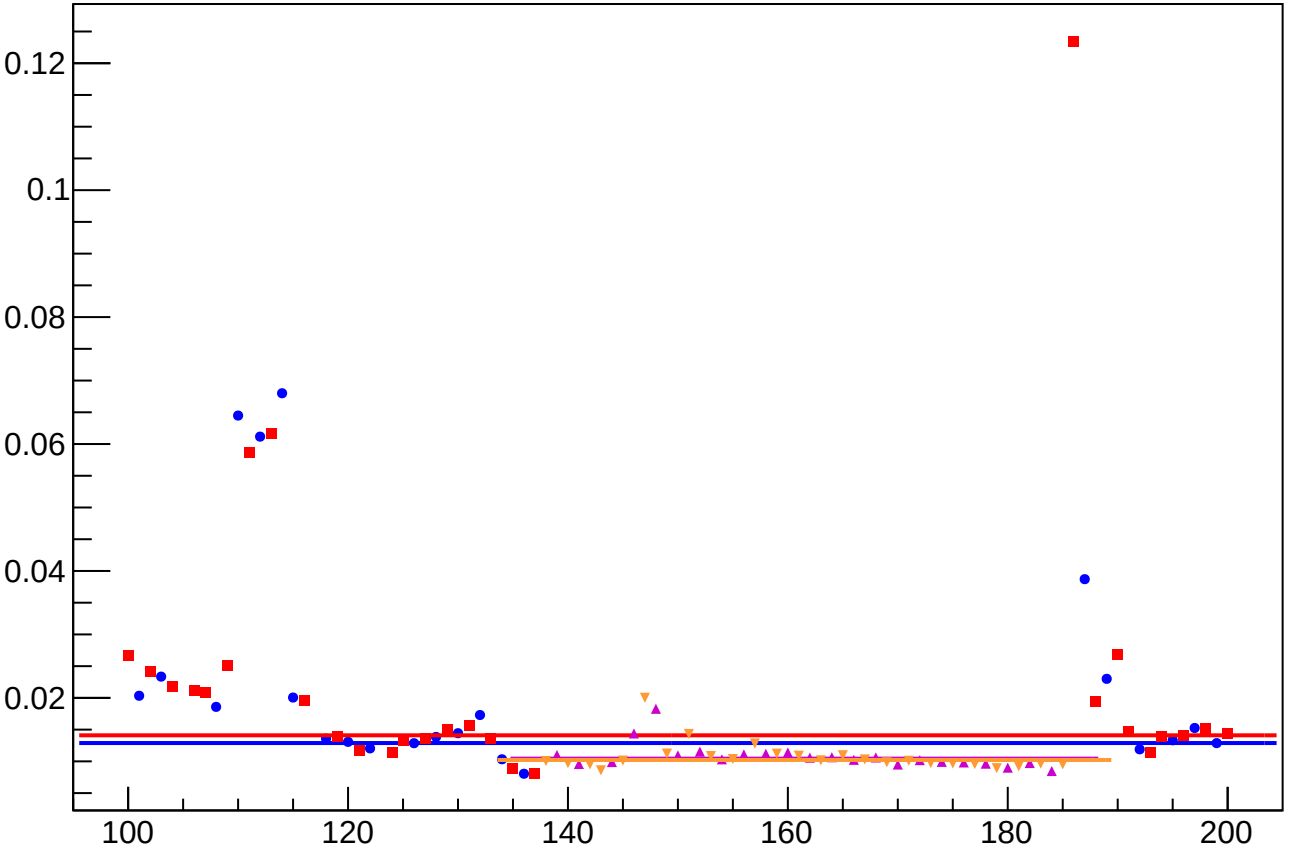
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.241+/-0.000 χ^2/NDF: 74706827064.0/46

All: 15.244+/-0.000 χ^2/NDF: 141345278501.

- sign 15.246+/-0.000 χ^2/NDF: 66635524742.4/50

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2738071.8/21

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3230578.2/27

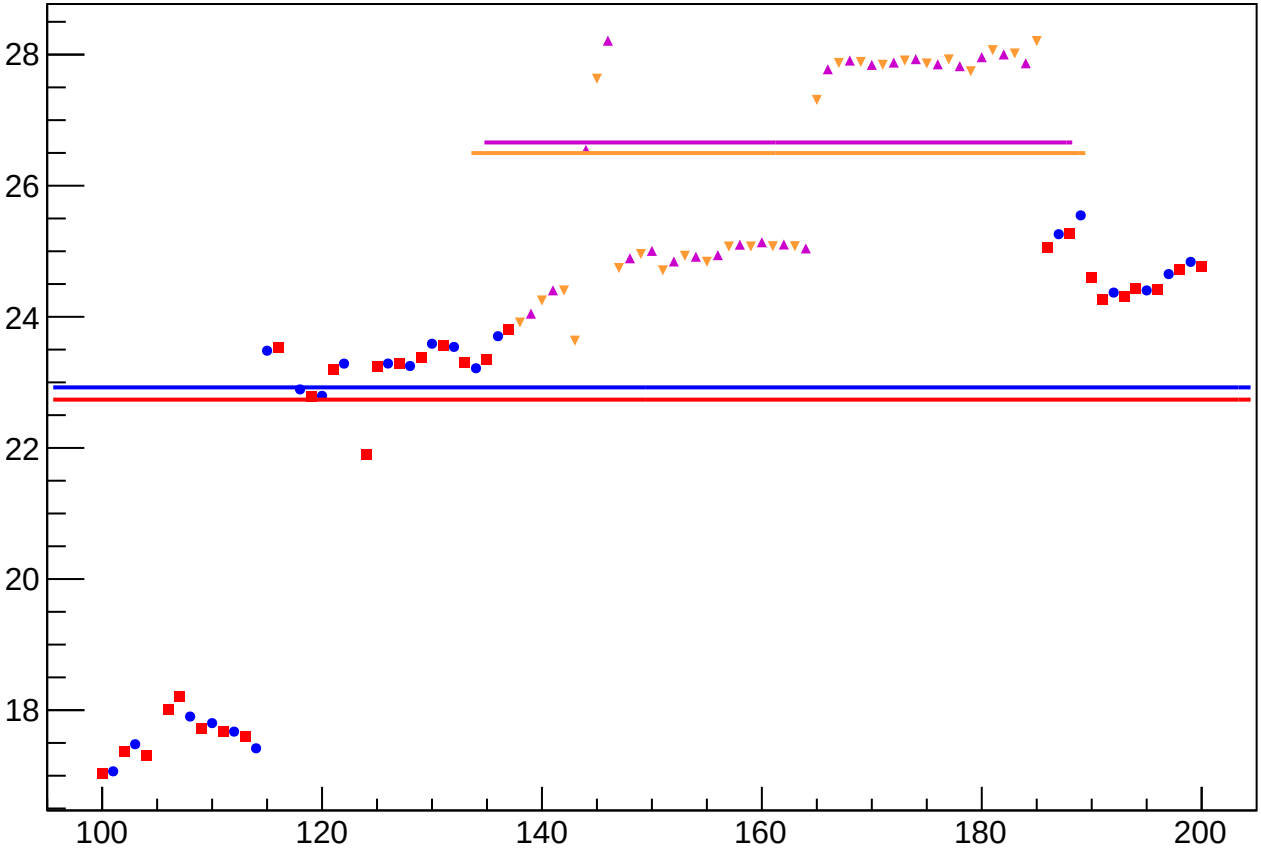
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4110111.9/46

All: 0.011+/-0.000 χ^2/NDF: 9122530.7/97

- sign 0.011+/-0.000 χ^2/NDF: 4952326.7/50

yield_sam2_mean vs Slug



Right In: 22.924+/-0.000 χ^2/NDF: 1357938272.3/21

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.737+/-0.000 χ^2/NDF: 1461729830.9/27

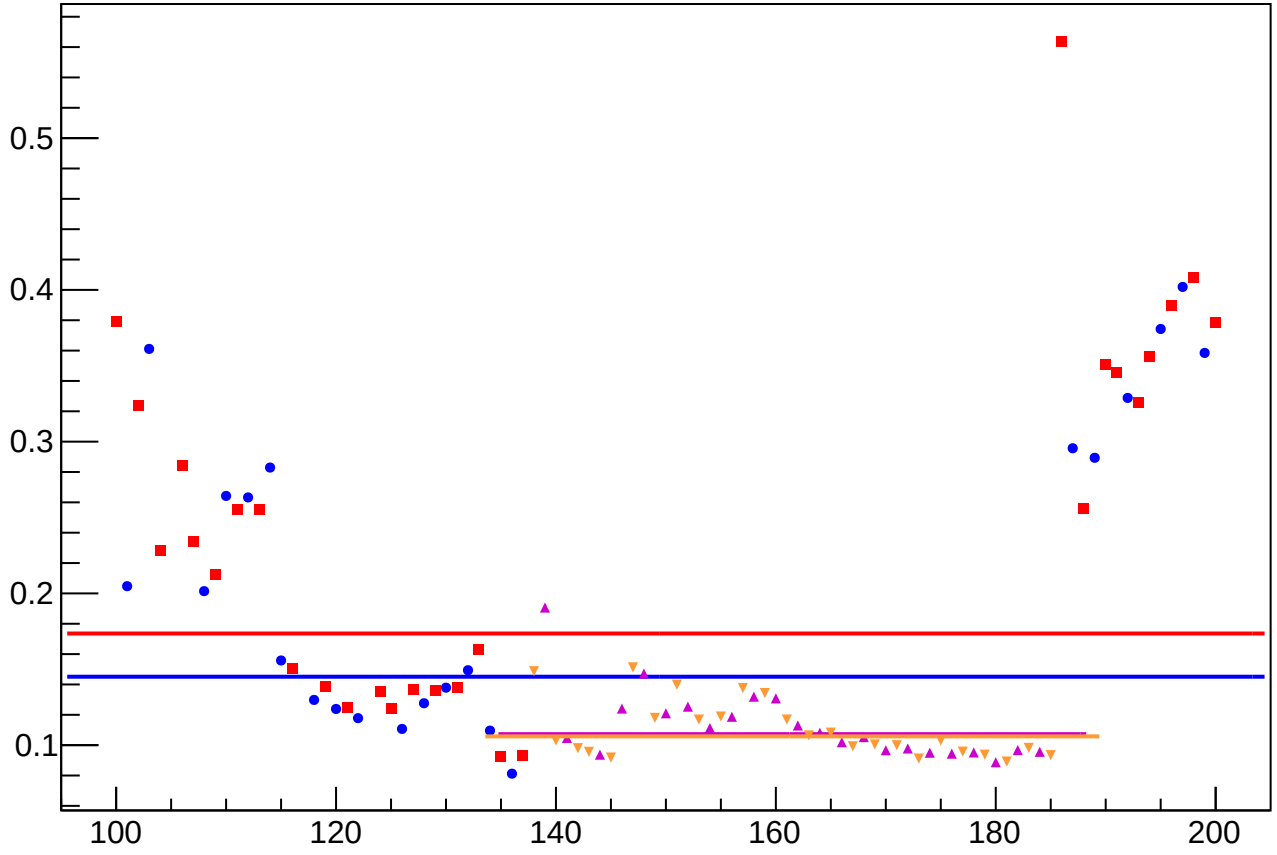
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.771+/-0.000 χ^2/NDF: 9119644673.1/46

All: 25.829+/-0.000 χ^2/NDF: 17570585714.3

- sign 25.893+/-0.000 χ^2/NDF: 8437684362.6/50

yield_sam2_rms vs Slug



Right In: 0.145+/-0.000 χ^2/NDF: 4917939.1/21

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

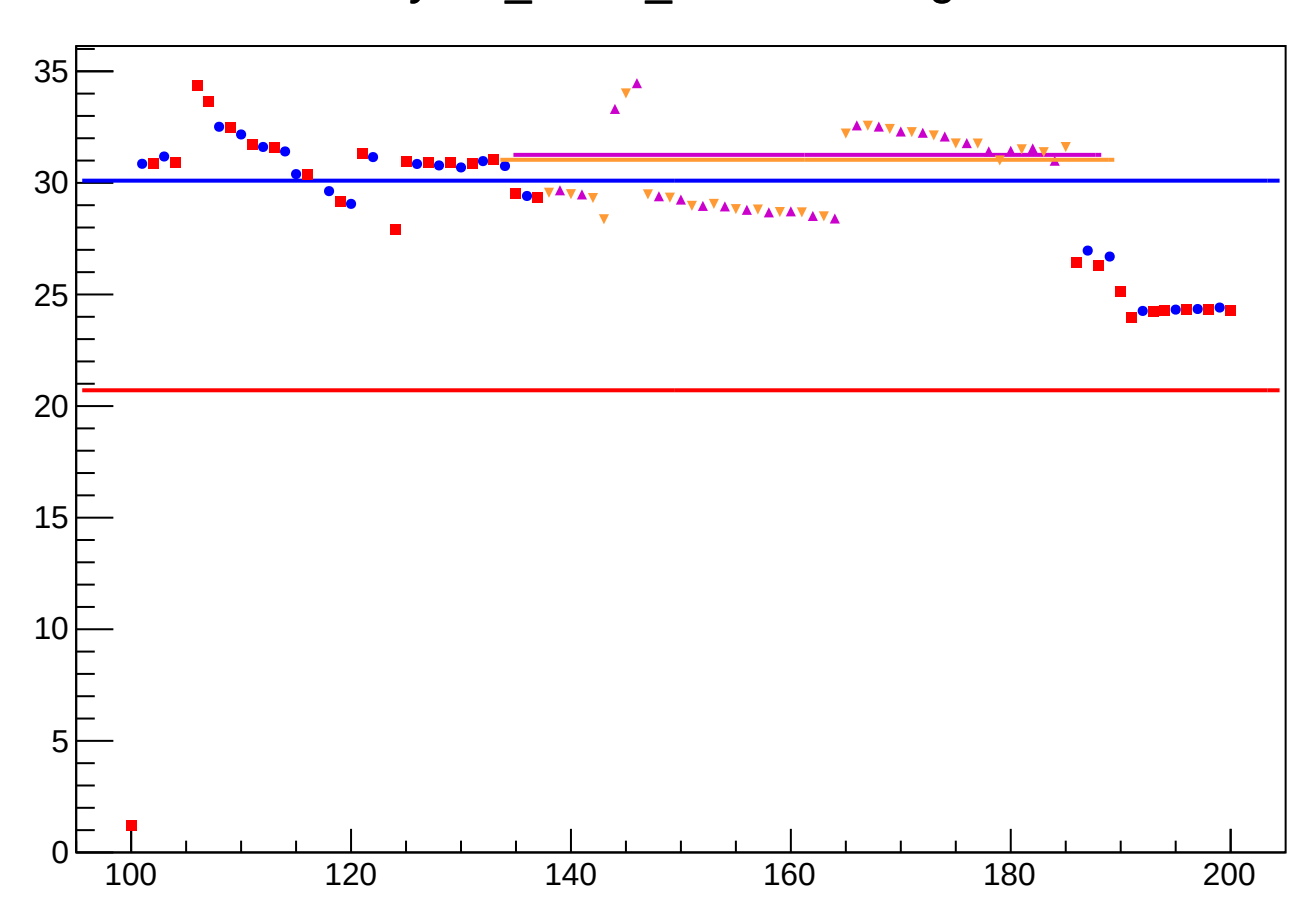
Right Out: 0.174+/-0.000 χ^2/NDF: 5309053.4/27

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.114+/-0.000 χ^2/NDF: 6606288.8/46

All: 0.117+/-0.000 χ^2/NDF: 15185614.3/97

- sign 0.120+/-0.000 χ^2/NDF: 8505862.1/50



Right In: 30.100+/-0.000 χ^2/NDF: 2816424146.9/21

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.707+/-0.000 χ^2/NDF: 223961446018.2/27

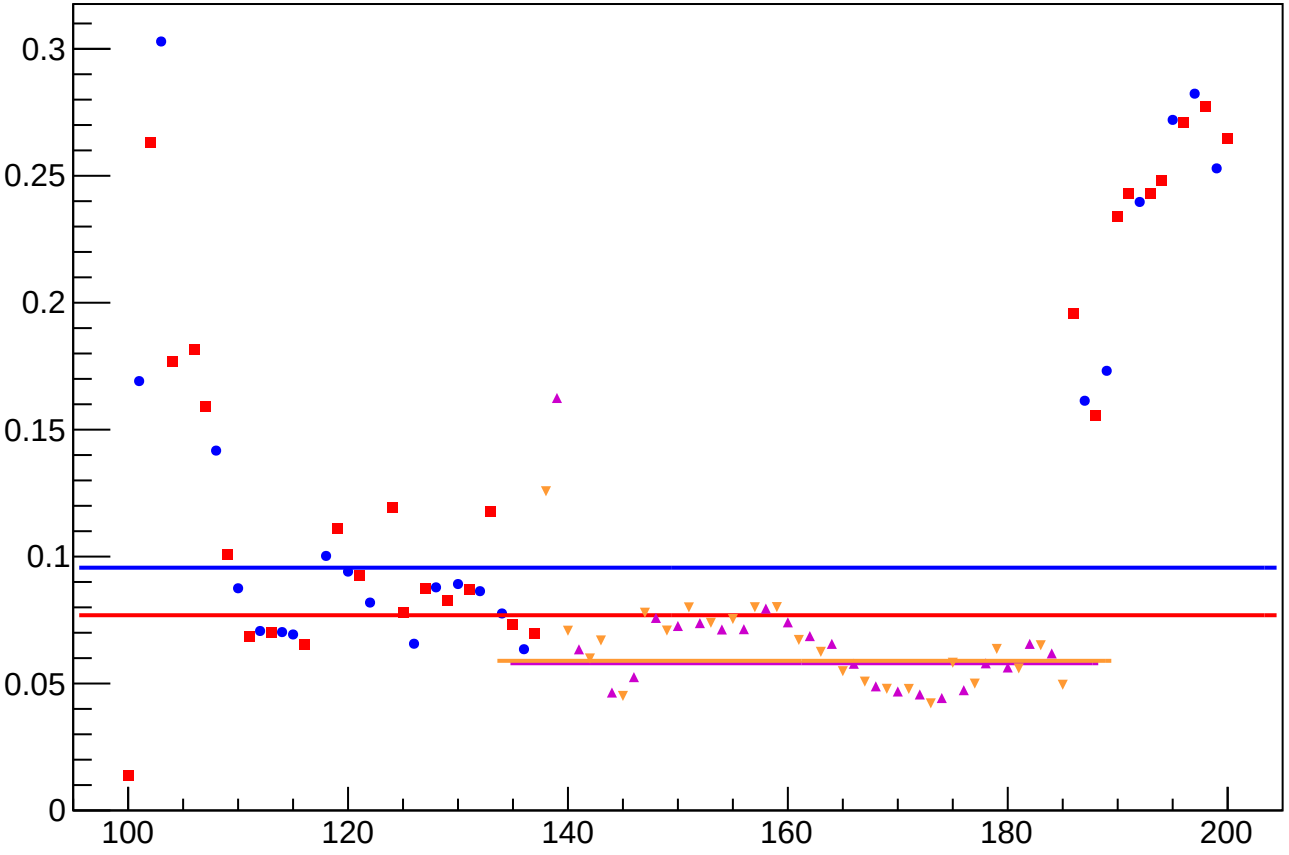
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.880+/-0.000 χ^2/NDF: 15333141947.6/46

All: 29.855+/-0.000 χ^2/NDF: 366381455300.

- sign 28.868+/-0.000 χ^2/NDF: 340462294746.9/50

yield_sam3_rms vs Slug



Right In: 0.096+/-0.000 χ^2/NDF: 4576373.6/21

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.077+/-0.000 χ^2/NDF: 9950214.0/27

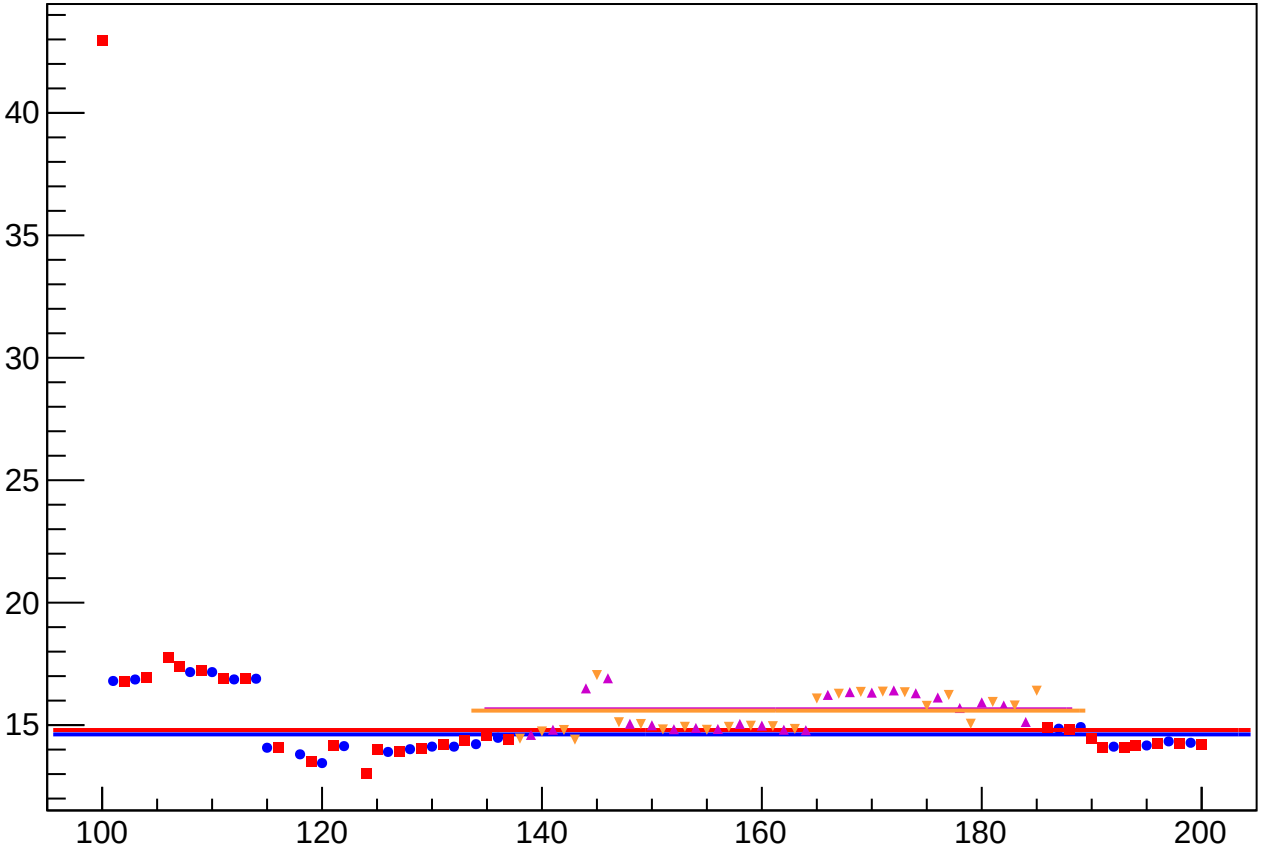
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 8019064.4/46

All: 0.064+/-0.000 χ^2/NDF: 20393412.4/97

- sign 0.062+/-0.000 χ^2/NDF: 12334982.5/50

yield_sam4_mean vs Slug



Right In: 14.620+/-0.000 χ^2/NDF: 1207945398.4/21

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.799+/-0.000 χ^2/NDF: 1769499596.8/27

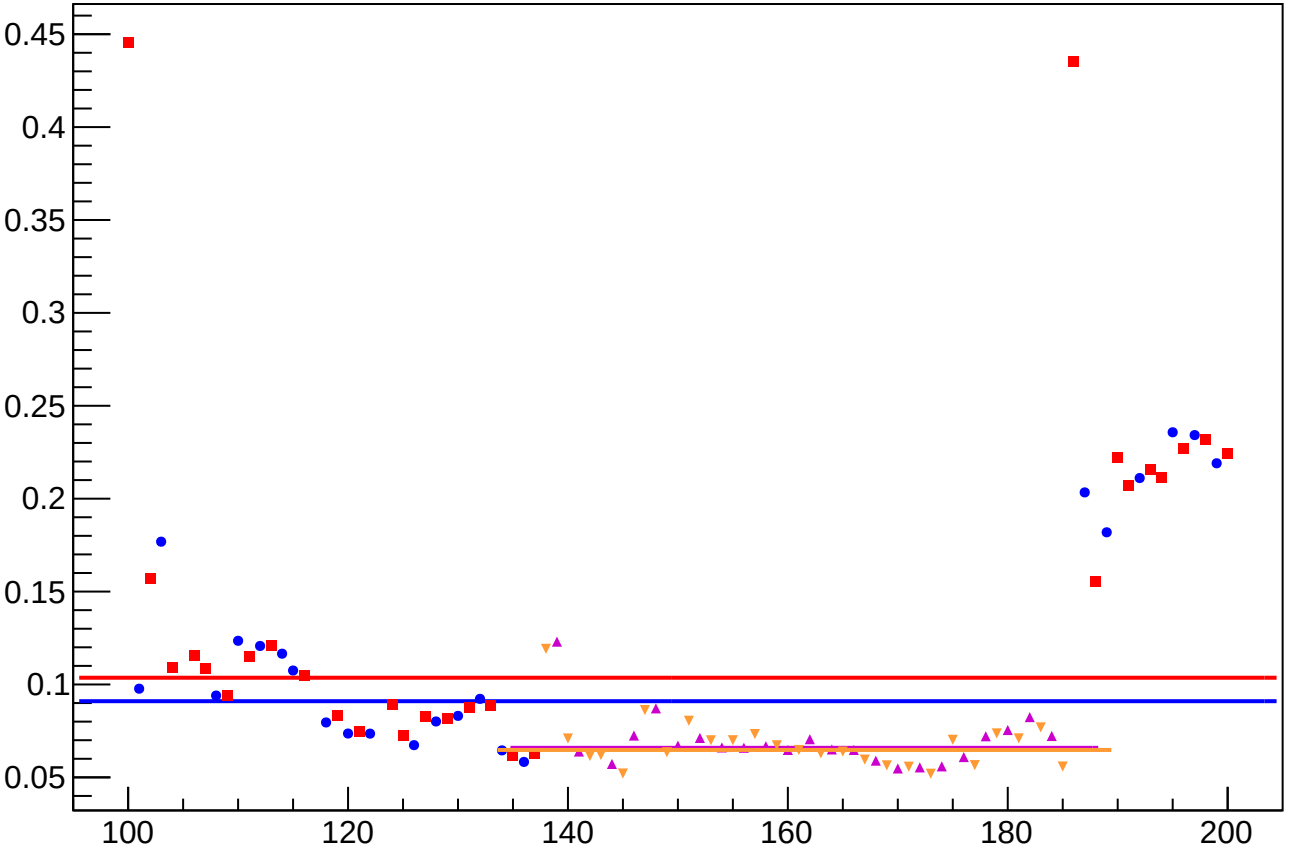
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.389+/-0.000 χ^2/NDF: 4232452065.3/46

All: 15.426+/-0.000 χ^2/NDF: 8414796676.9/9

- sign 15.466+/-0.000 χ^2/NDF: 4168252441.6/50

yield_sam4_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 4012844.5/21

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.104+/-0.000 χ^2/NDF: 4599600.3/27

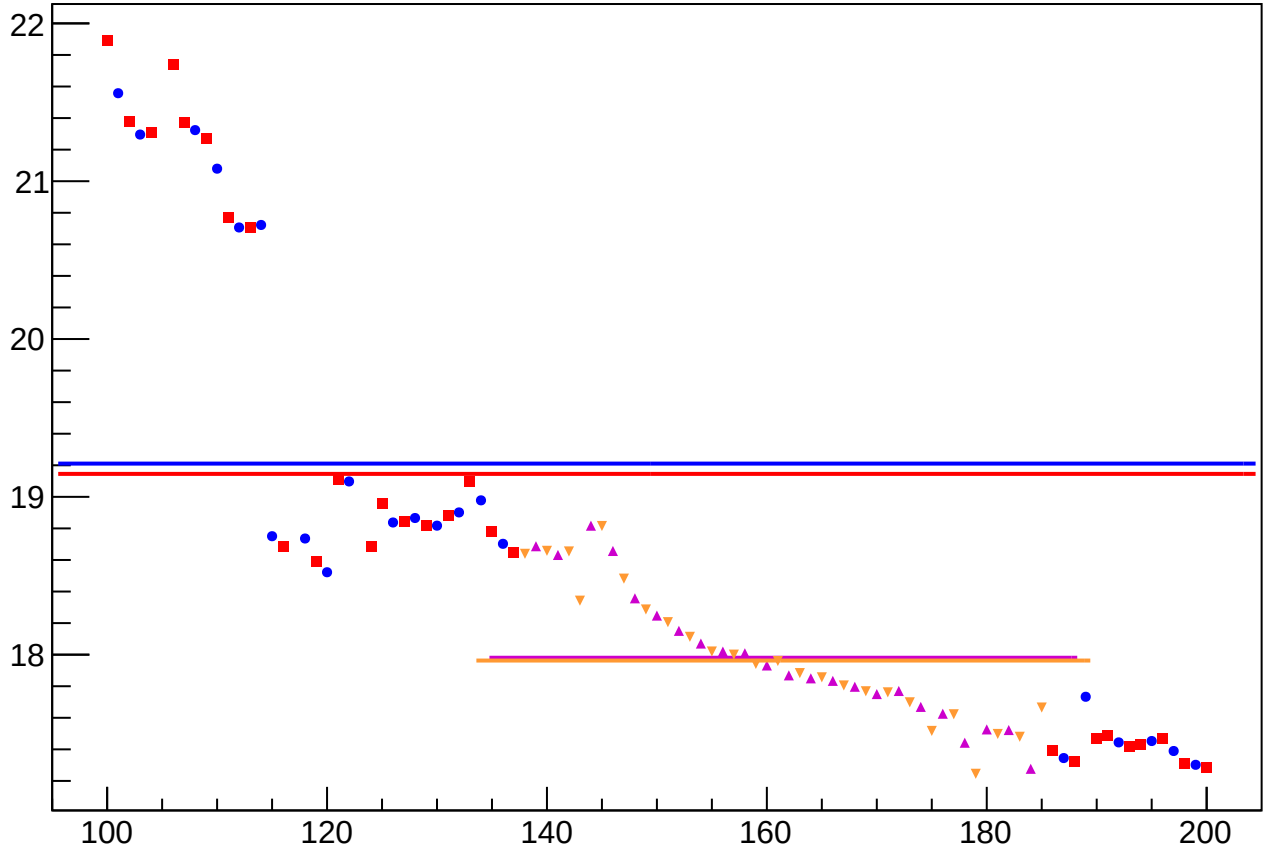
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.070+/-0.000 χ^2/NDF: 5990142.3/46

All: 0.072+/-0.000 χ^2/NDF: 13592897.6/97

- sign 0.074+/-0.000 χ^2/NDF: 7540117.5/50

yield_sam5_mean vs Slug



Right In: 19.211+/-0.000 χ^2/NDF: 24162683960.2/21

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.145+/-0.000 χ^2/NDF: 29137202982.7/27

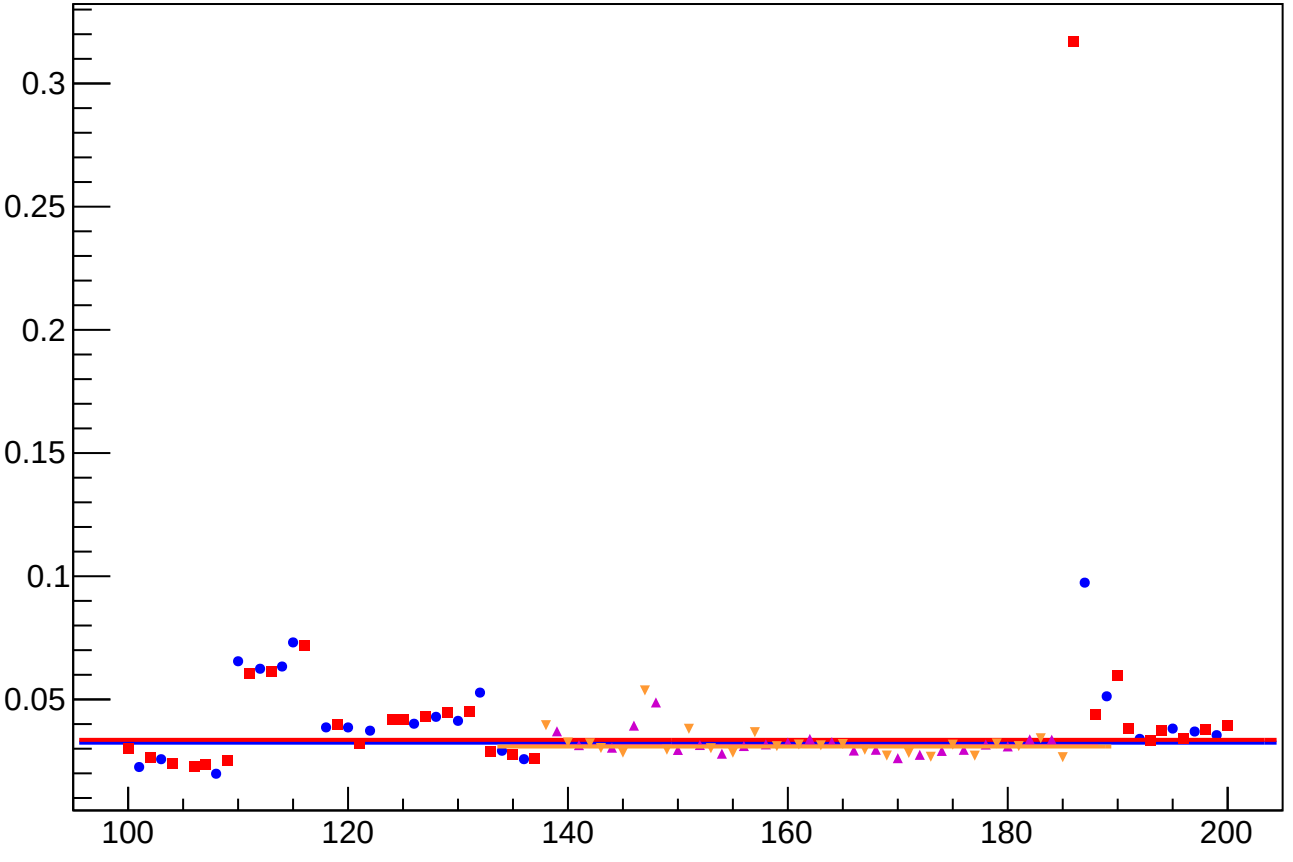
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.372+/-0.000 χ^2/NDF: 37003569461.9/46

All: 18.390+/-0.000 χ^2/NDF: 77764991324.7

- sign 18.407+/-0.000 χ^2/NDF: 40743787288.3/50

yield_sam5_rms vs Slug



Right In: 0.032+/-0.000 χ^2/NDF: 1877869.0/21

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2222071.4/27

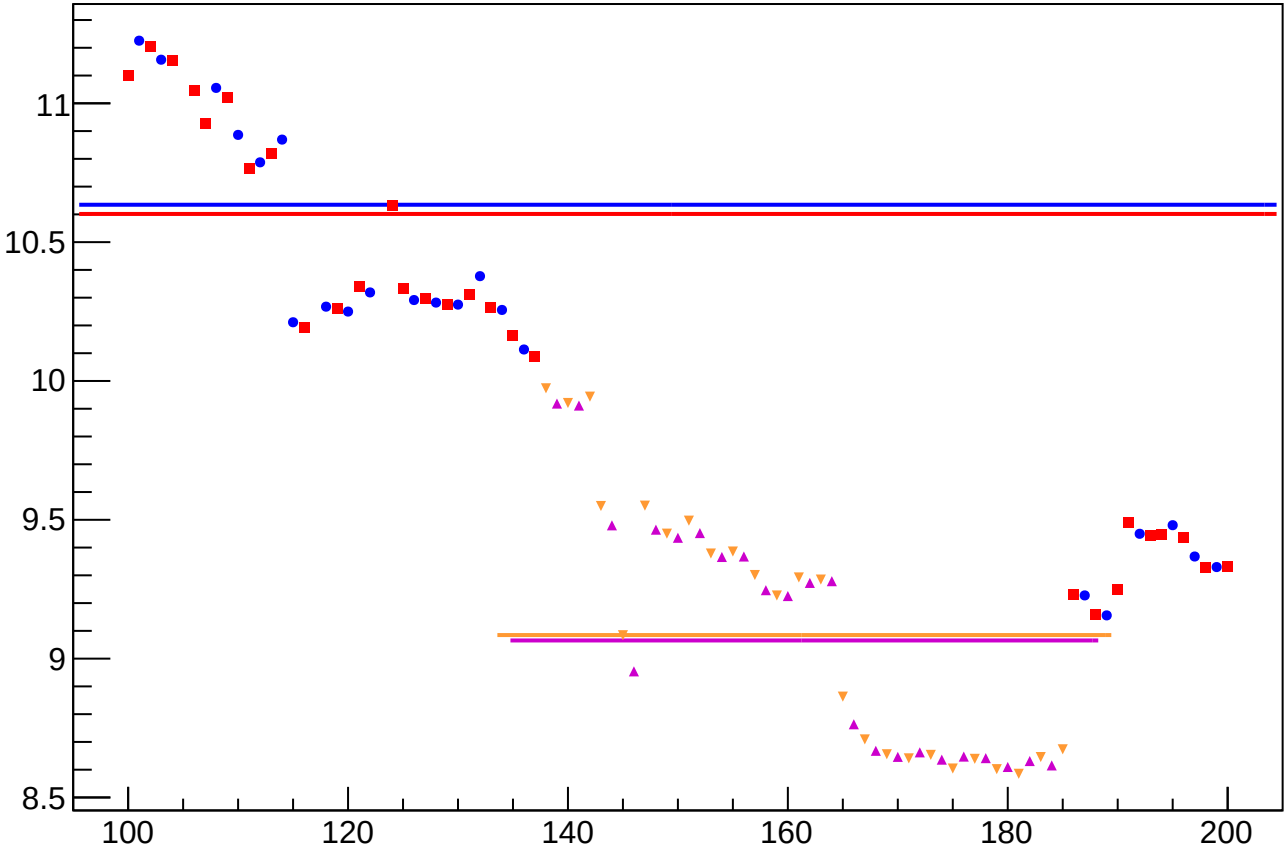
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2541919.9/46

All: 0.032+/-0.000 χ^2/NDF: 5337647.4/97

- sign 0.032+/-0.000 χ^2/NDF: 2784209.0/50

yield_sam6_mean vs Slug



Right In: 10.635+/-0.000 χ^2/NDF: 9640151366.8/21

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.602+/-0.000 χ^2/NDF: 9804533059.4/27

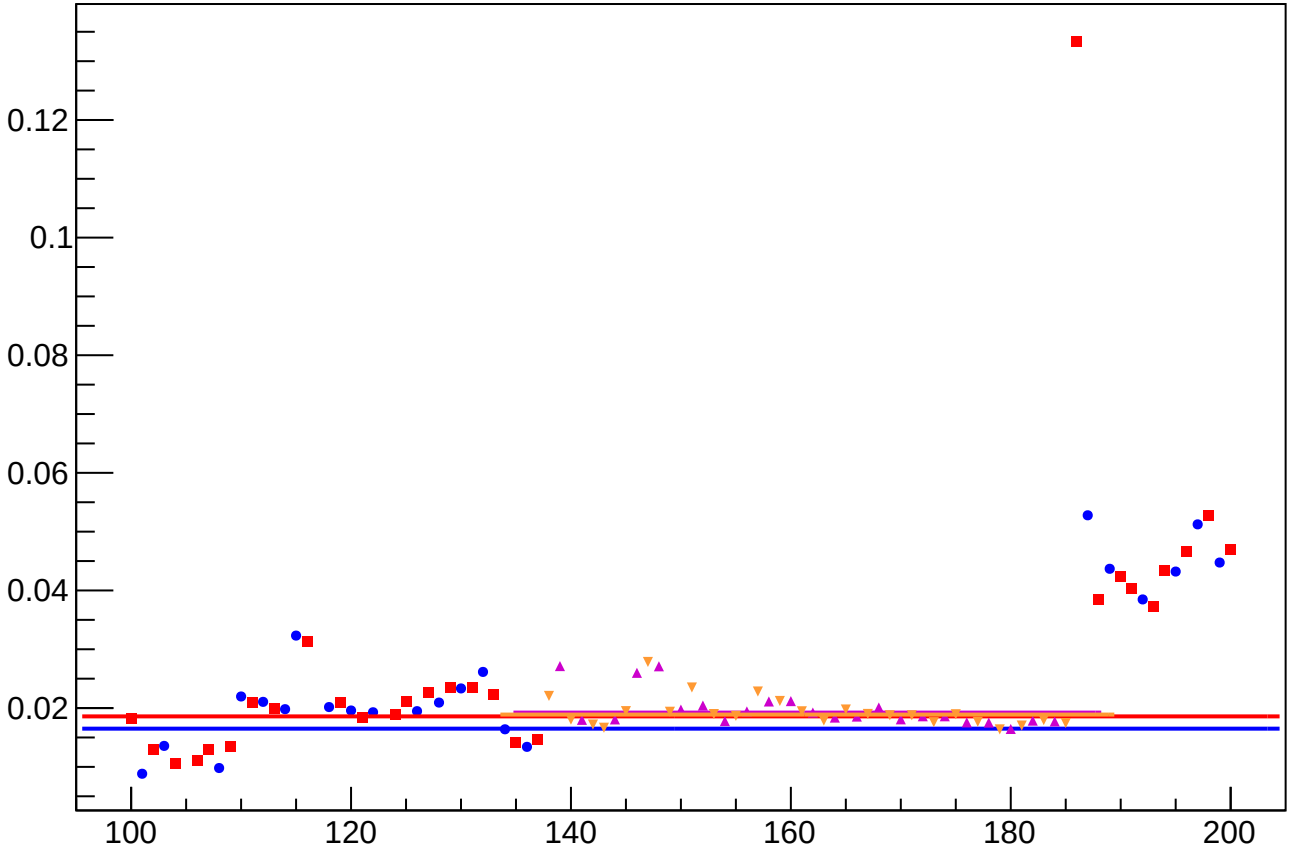
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.669+/-0.000 χ^2/NDF: 64451141596.2/46

All: 9.667+/-0.000 χ^2/NDF: 123498884569.5

- sign 9.664+/-0.000 χ^2/NDF: 59046811400.3/50

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 5039107.3/21

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 5858968.6/27

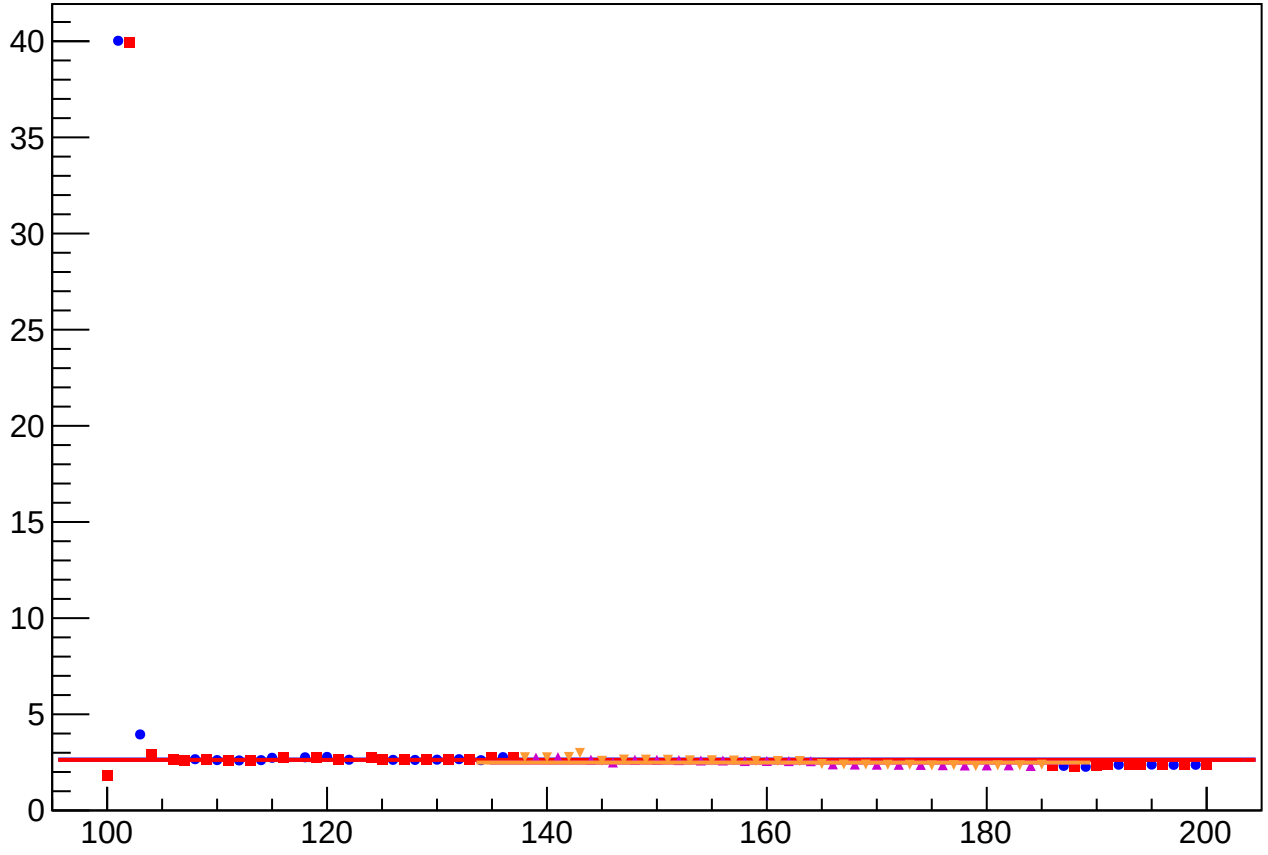
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 5693566.2/46

All: 0.018+/-0.000 χ^2/NDF: 12182285.0/97

- sign 0.019+/-0.000 χ^2/NDF: 6414382.2/50

yield_sam7_mean vs Slug



Right In: 2.646+/-0.000 χ^2/NDF: 75888087175.2/21

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.629+/-0.000 χ^2/NDF: 77147821132.4/27

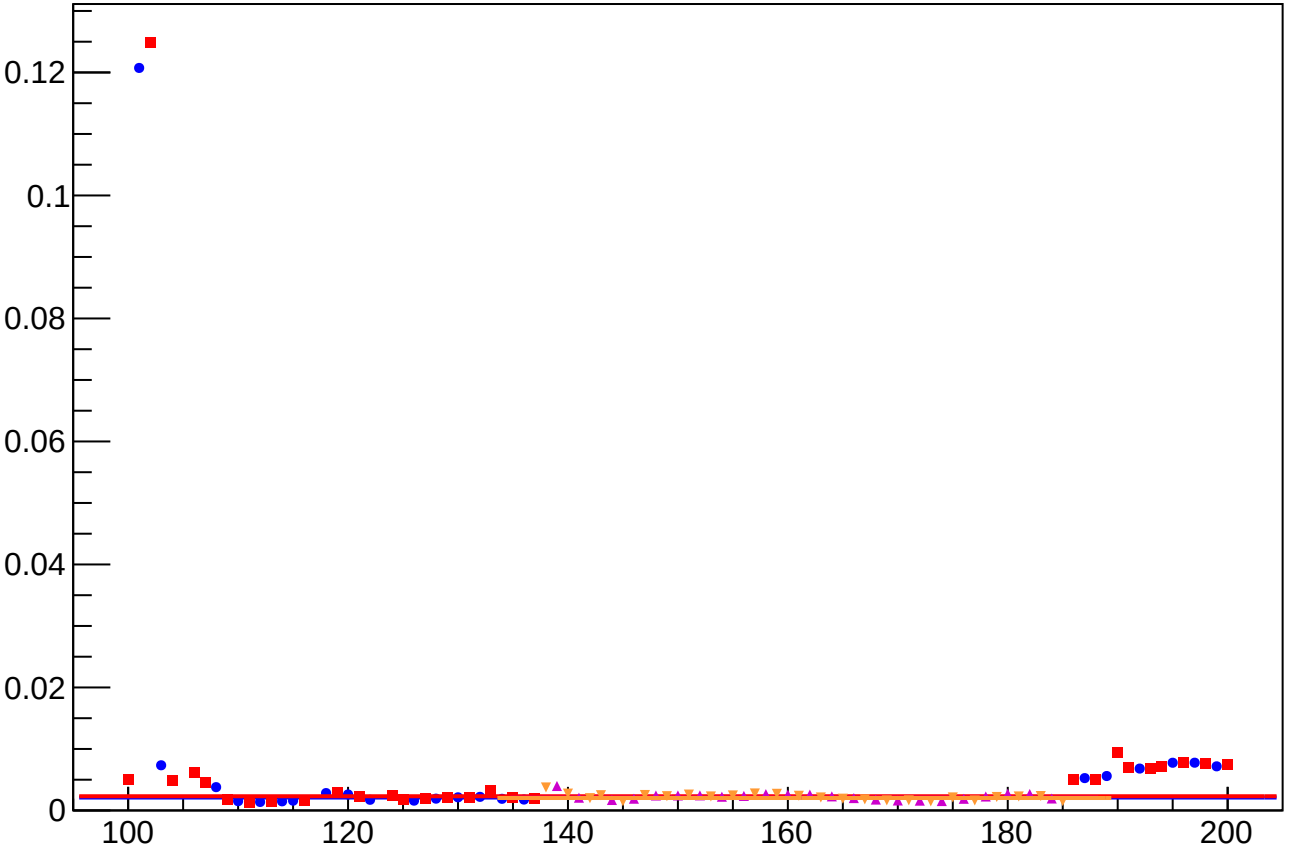
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.536+/-0.000 χ^2/NDF: 194337733600.1/46

All: 2.534+/-0.000 χ^2/NDF: 353688357532.5

- sign 2.532+/-0.000 χ^2/NDF: 159310624052.4/50

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6145710.5/21

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8260007.5/27

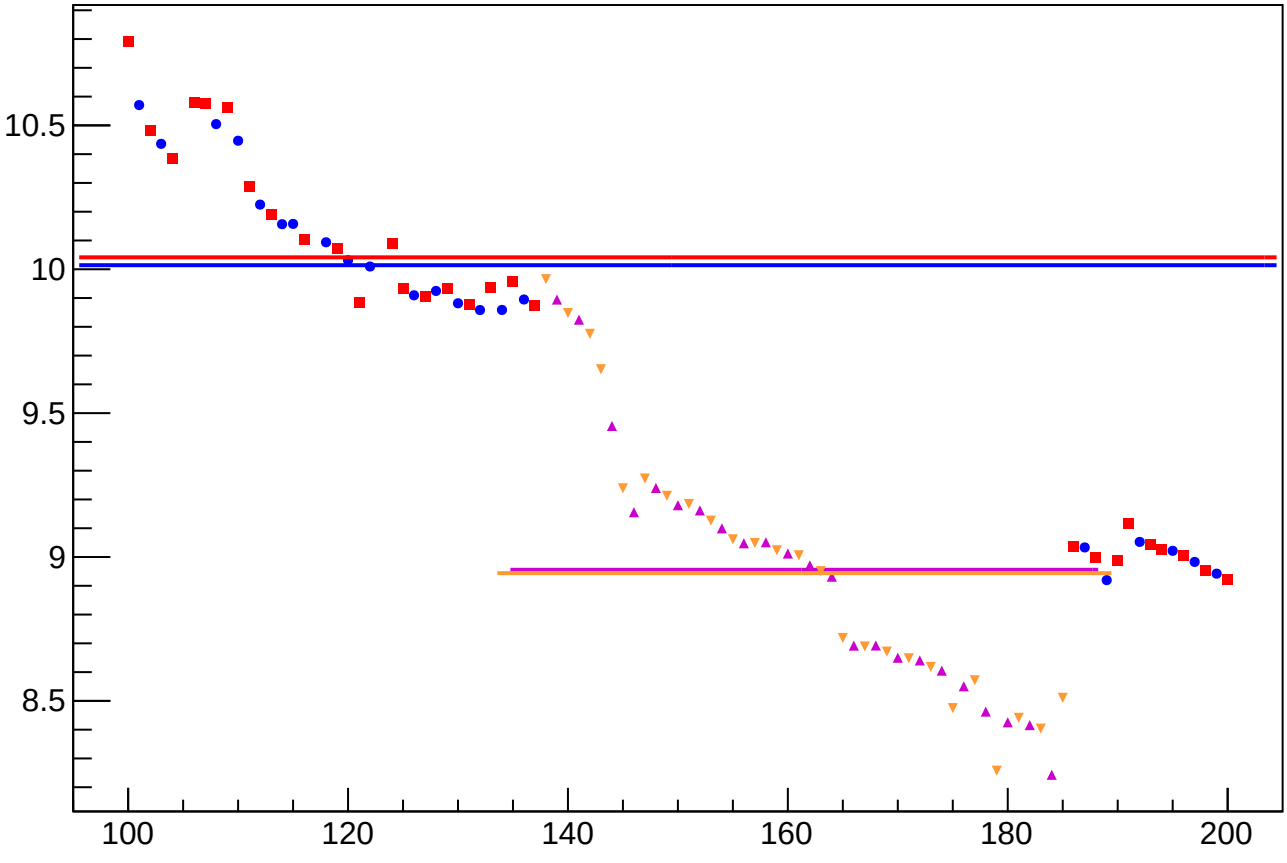
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 7715444.1/46

All: 0.002+/-0.000 χ^2/NDF: 17551751.1/97

- sign 0.002+/-0.000 χ^2/NDF: 9790046.9/50

yield_sam8_mean vs Slug



Right In: 10.014+/-0.000 χ^2/NDF: 28836431482.9/21

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.041+/-0.000 χ^2/NDF: 38756972293.0/27

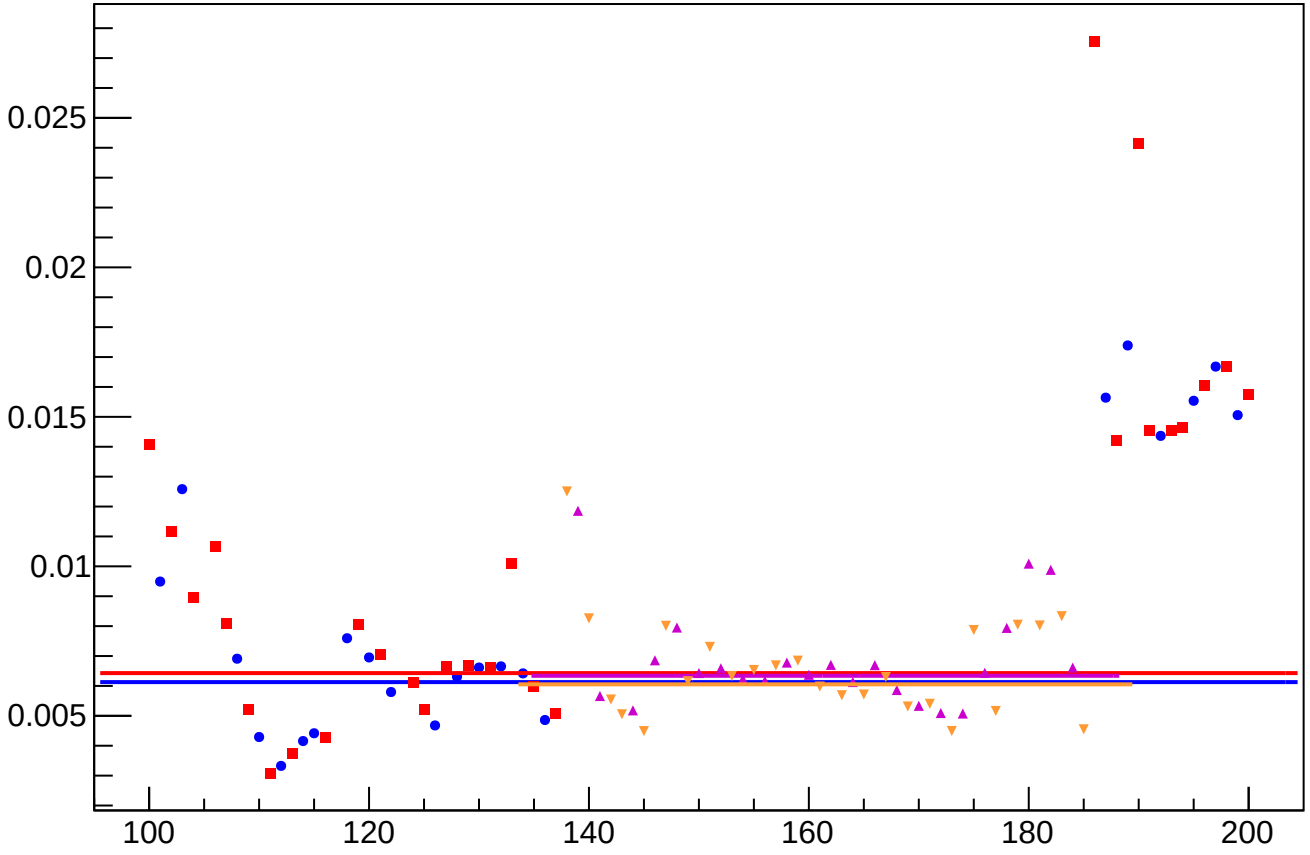
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.304+/-0.000 χ^2/NDF: 255037401848.6/46

All: 9.334+/-0.000 χ^2/NDF: 508461509303.3

- sign 9.367+/-0.000 χ^2/NDF: 252200415122.1/50

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 4637086.7/21

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6691650.9/27

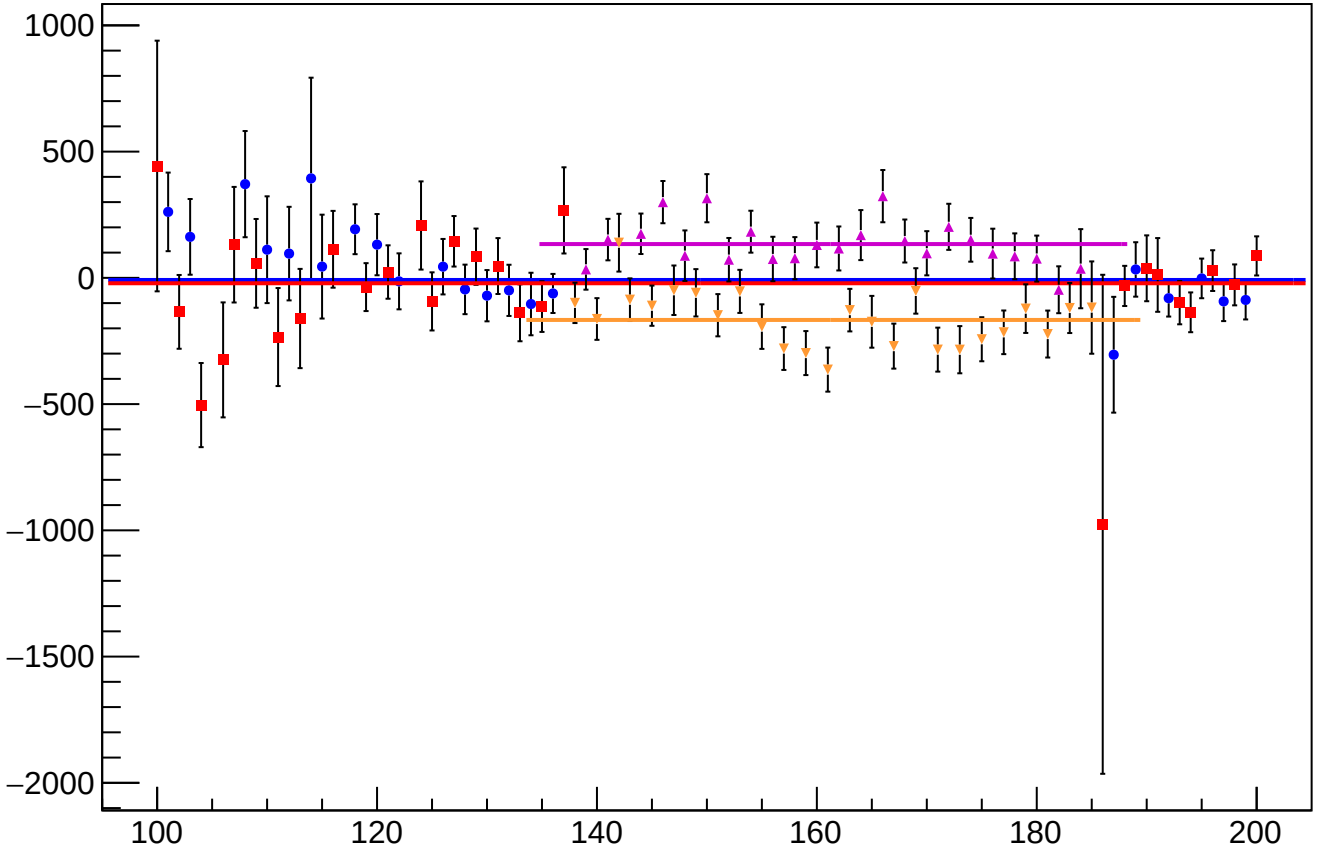
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 6099642.6/46

All: 0.006+/-0.000 χ^2/NDF: 14021321.0/97

- sign 0.006+/-0.000 χ^2/NDF: 7869108.1/50

reg_asym_sam1_mean vs Slug



Right In: -8.367+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.387+/-21.973 χ^2/NDF: 32.4/27

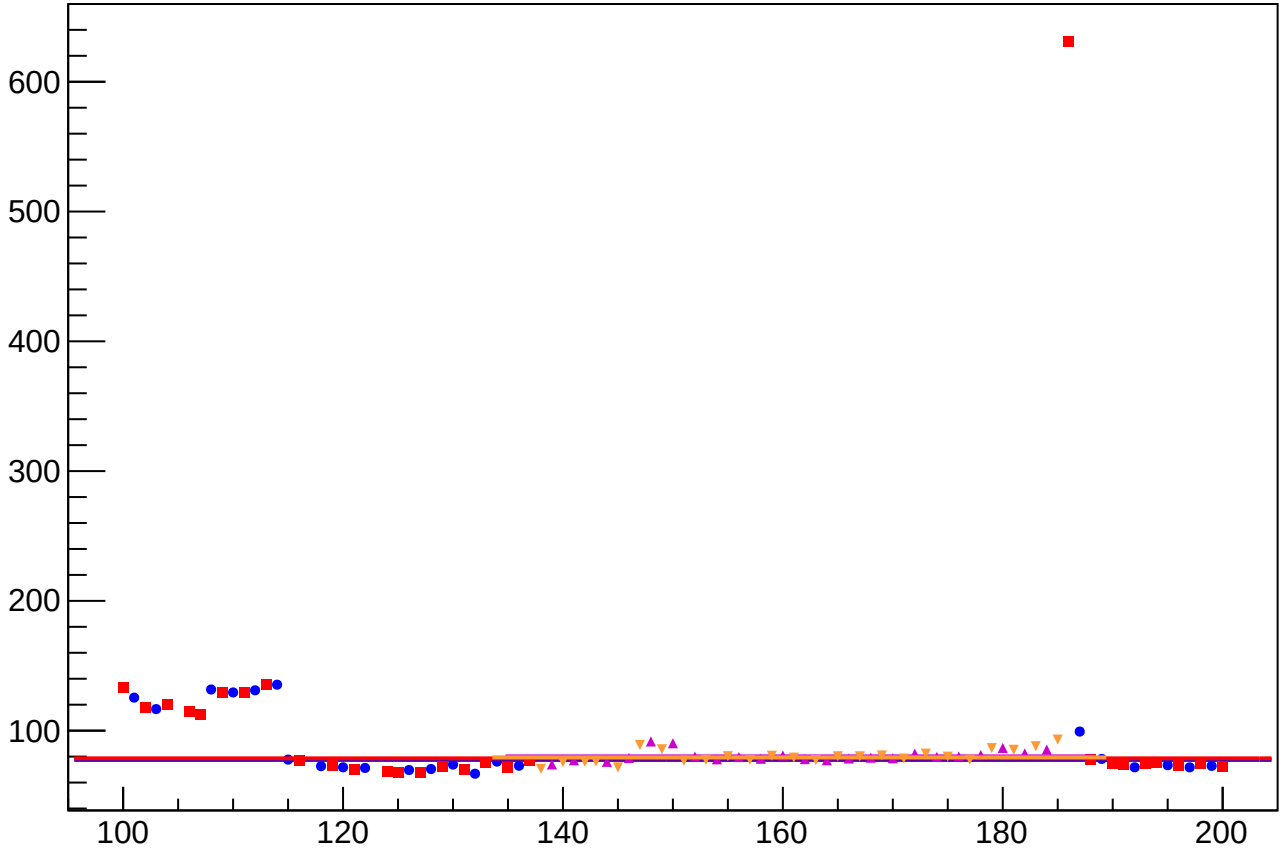
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -107.172+/-14.283 χ^2/NDF: 82.2/46

All: -19.274+/-10.093 χ^2/NDF: 239.9/97

- sign 68.413+/-14.265 χ^2/NDF: 82.0/50

reg_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.4/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 78.640+/-0.016 χ^2/NDF: 1618486.5/27

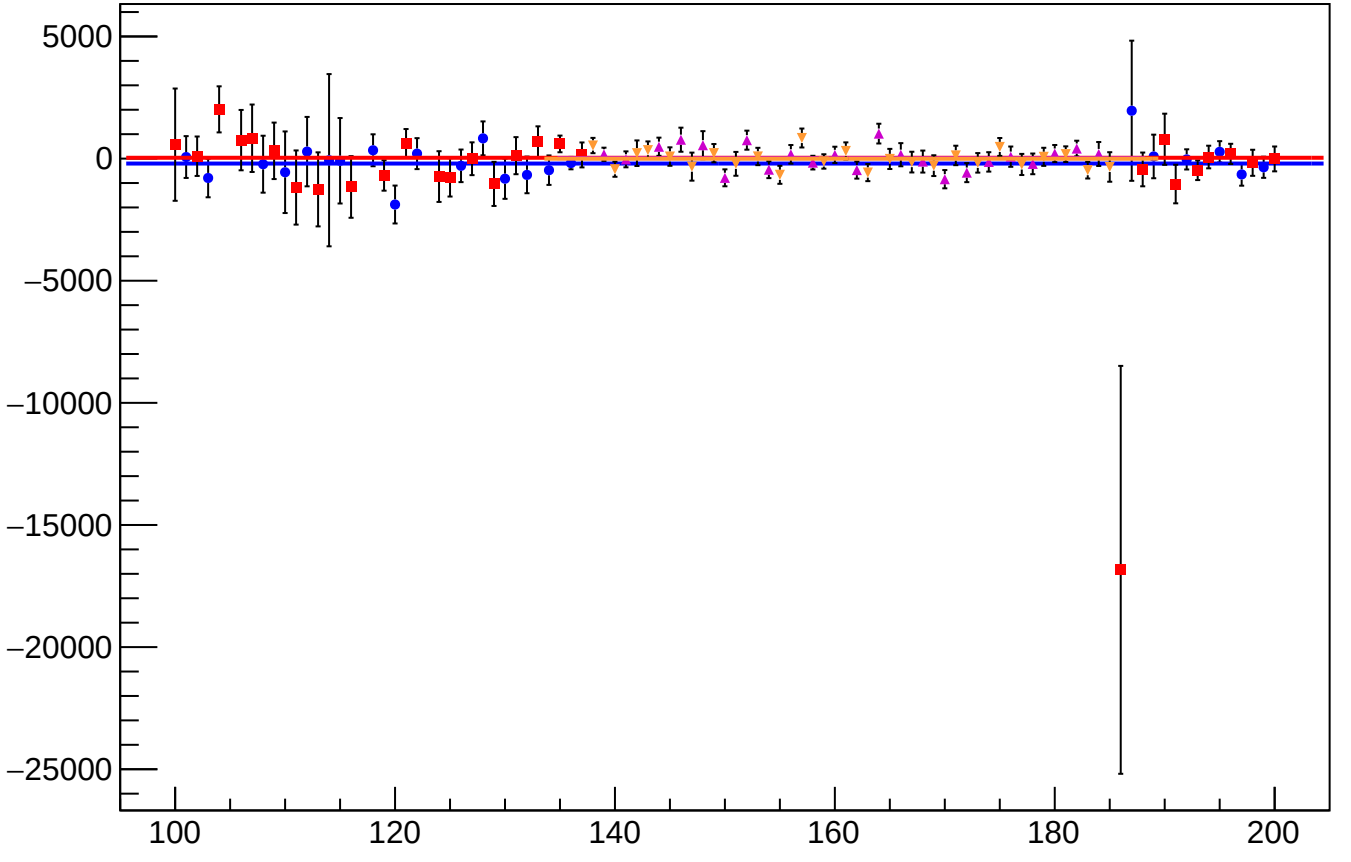
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.694+/-0.010 χ^2/NDF: 1054658.8/46

All: 79.107+/-0.007 χ^2/NDF: 2773497.2/97

- sign 79.519+/-0.010 χ^2/NDF: 1715495.7/50

asym_sam1_reg_correction_mean vs Slug



Right In: -202.528+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 33.922+/-125.872 χ^2/NDF: 25.6/27

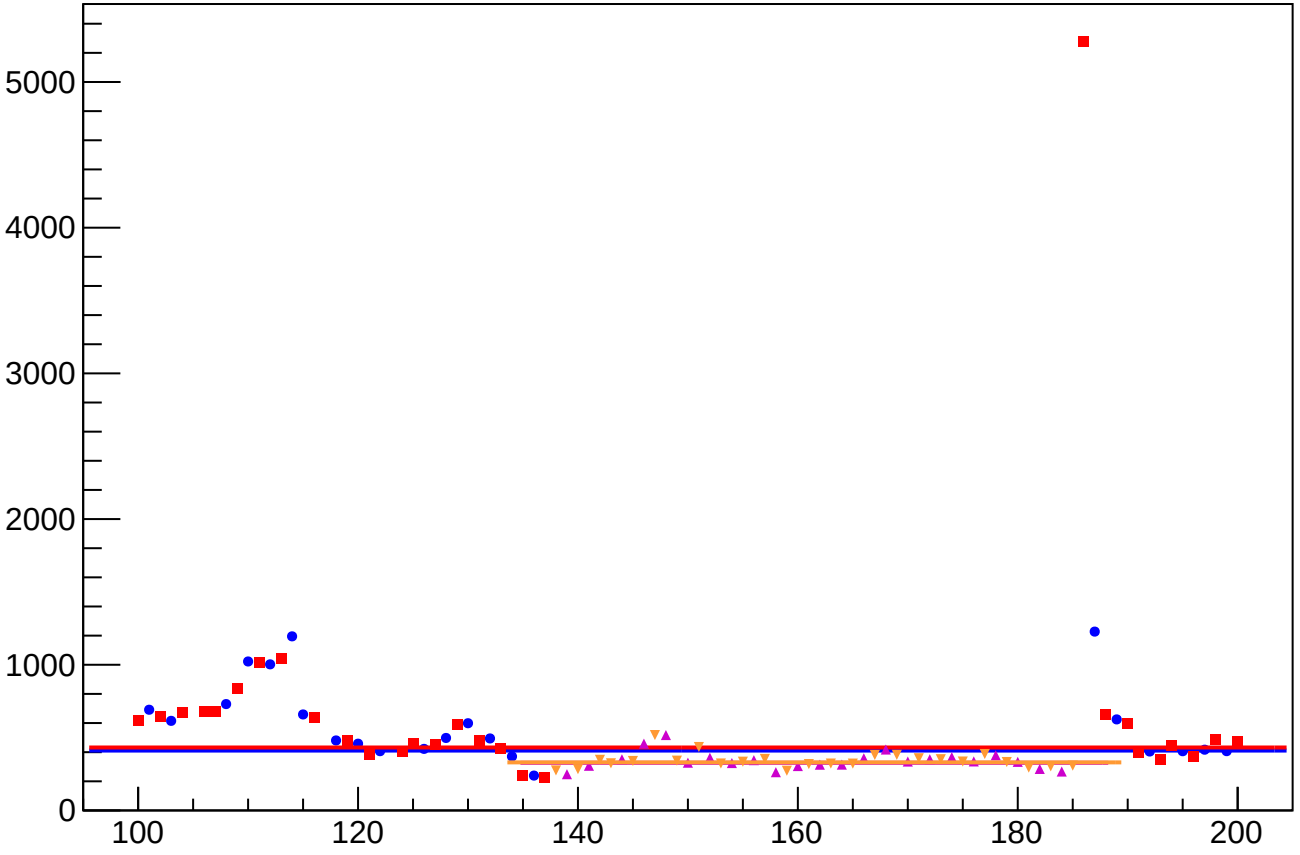
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -54.450+/-65.432 χ^2/NDF: 38.9/46

All: -15.912+/-46.474 χ^2/NDF: 100.2/97

- sign 23.321+/-66.019 χ^2/NDF: 60.6/50

asym_sam1_reg_correction_rms vs Slug



Right In: 411.078+/-0.091 χ^2/NDF: 2643543.2/21

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 432.152+/-0.089 χ^2/NDF: 3476951.0/27

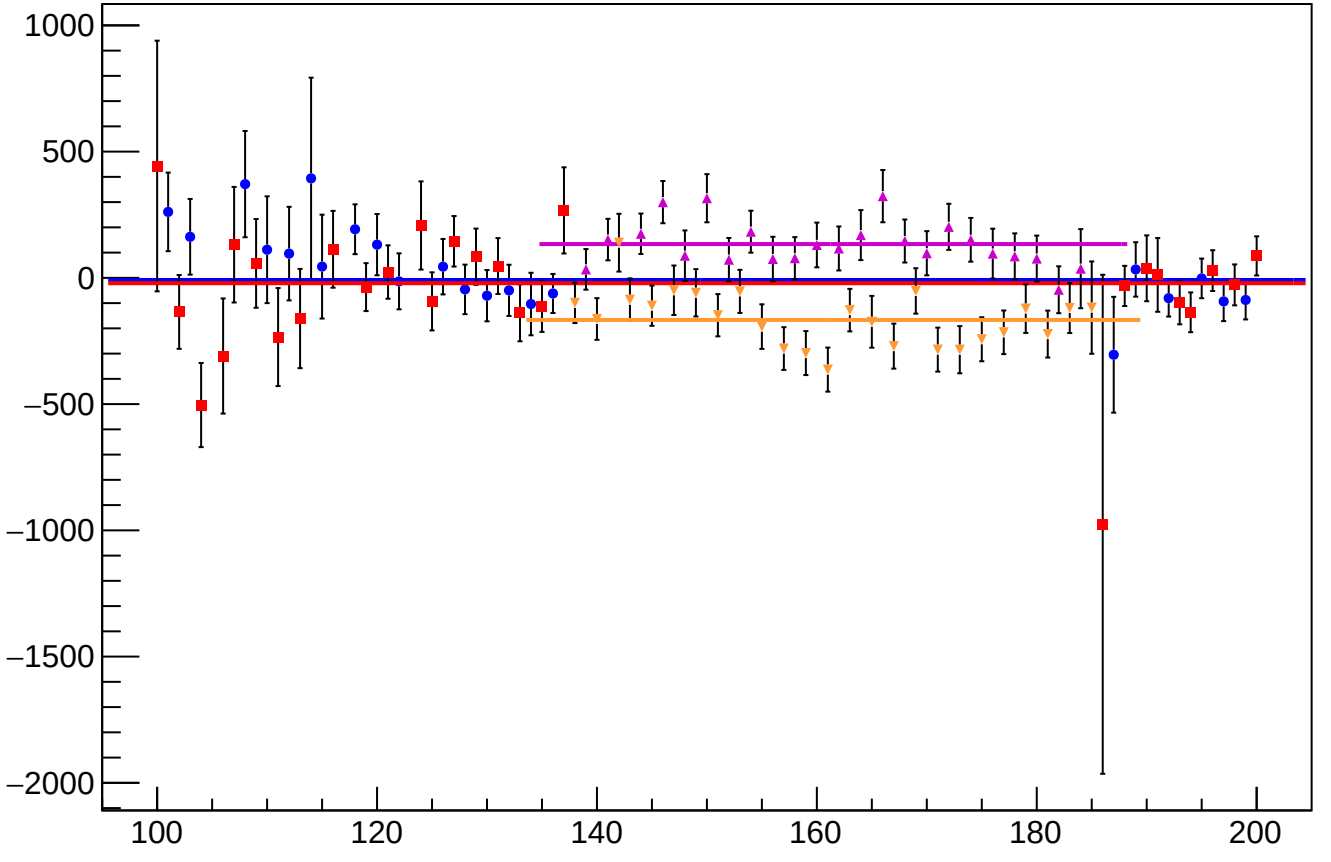
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 350.739+/-0.046 χ^2/NDF: 3888277.7/46

All: 353.297+/-0.033 χ^2/NDF: 9283214.6/97

- sign 355.900+/-0.047 χ^2/NDF: 5388772.0/50

cor_asym_sam1_mean vs Slug



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.239+/-21.973 χ^2/NDF: 32.2/27

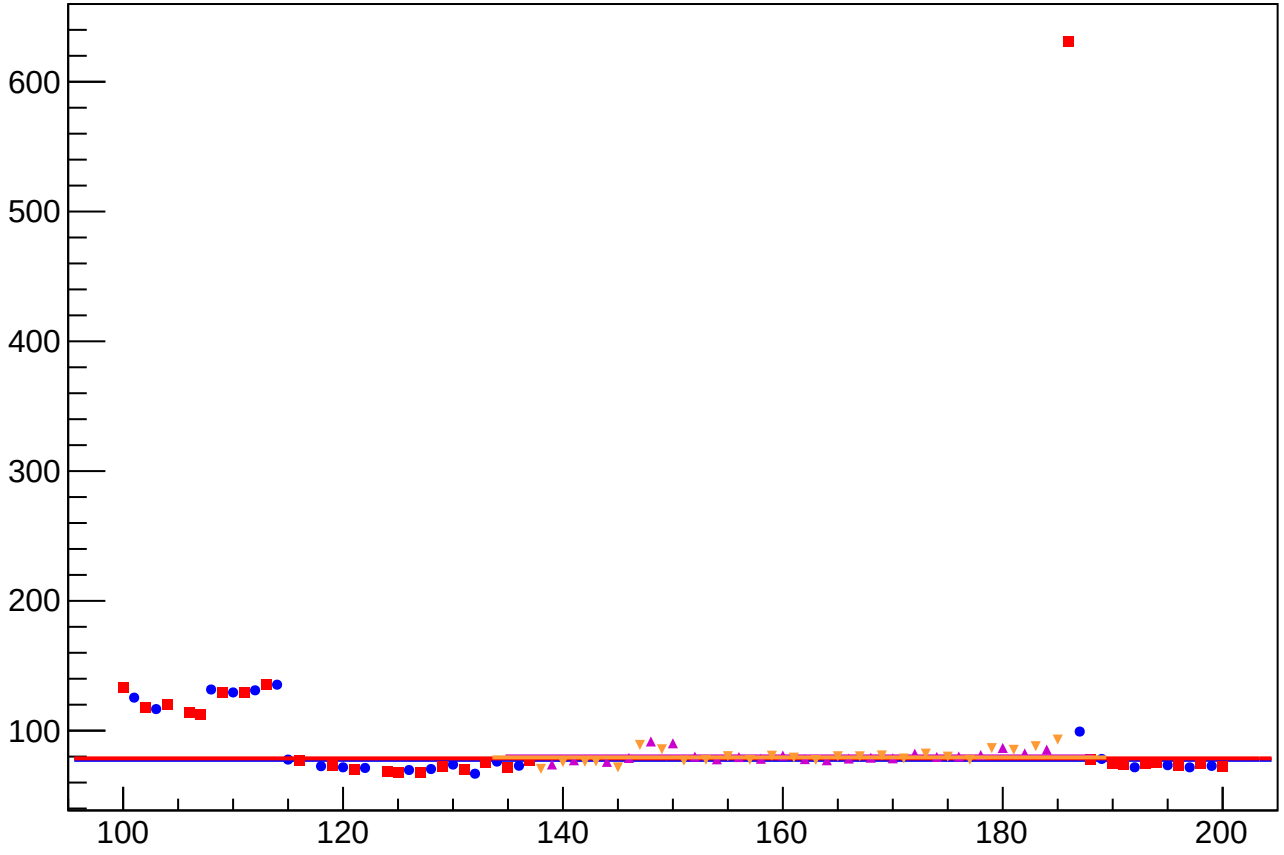
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.169+/-14.283 χ^2/NDF: 82.2/46

All: -19.239+/-10.093 χ^2/NDF: 239.7/97

- sign 68.481+/-14.266 χ^2/NDF: 81.8/50

cor_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

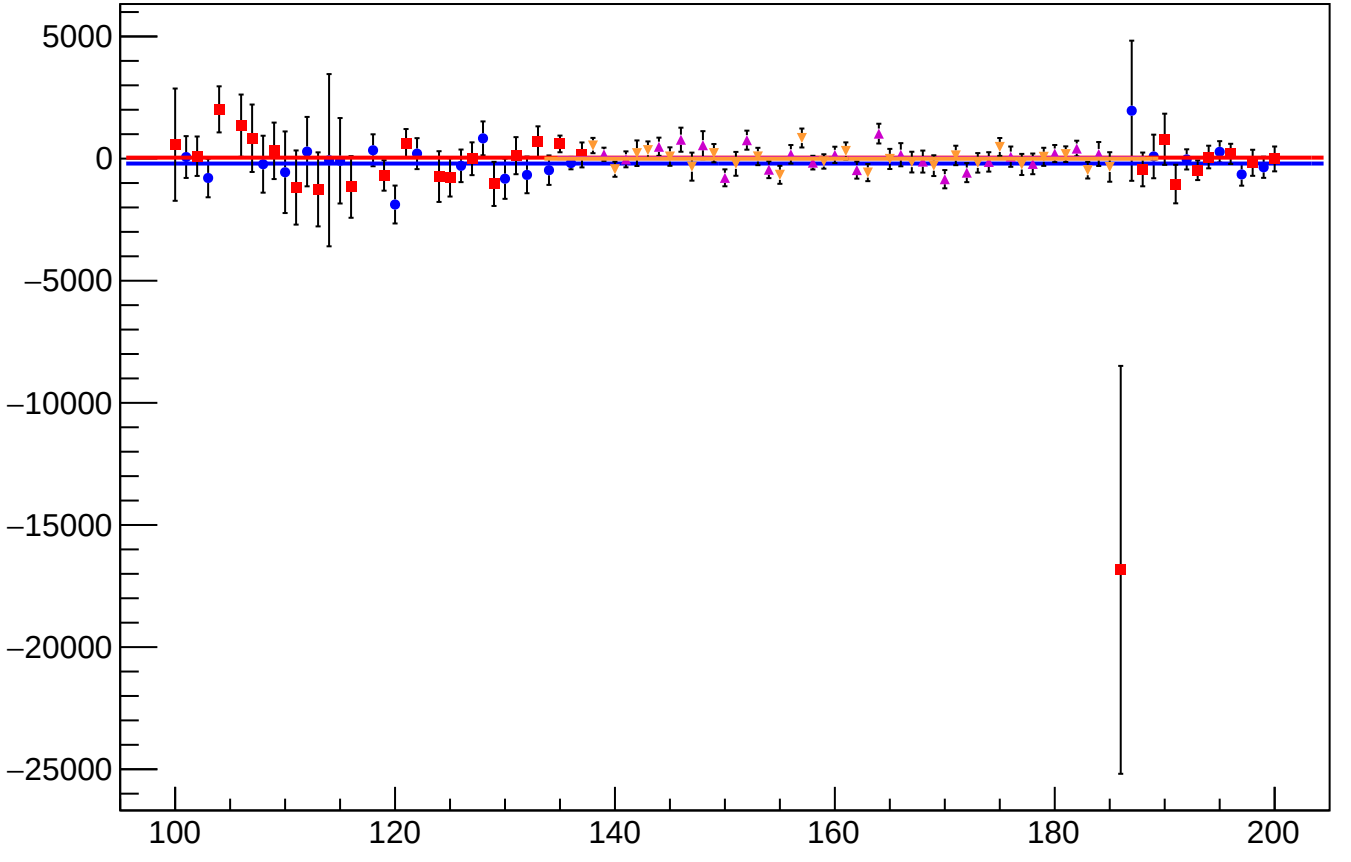
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 78.694+/-0.010 χ^2/NDF: 1054659.0/46

All: 79.105+/-0.007 χ^2/NDF: 2771445.6/97

\- sign 79.516+/-0.010 χ^2/NDF: 1713469.9/50

asym_sam1_cor_correction_mean vs Slug



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 39.256+/-125.912 χ^2/NDF: 26.3/27

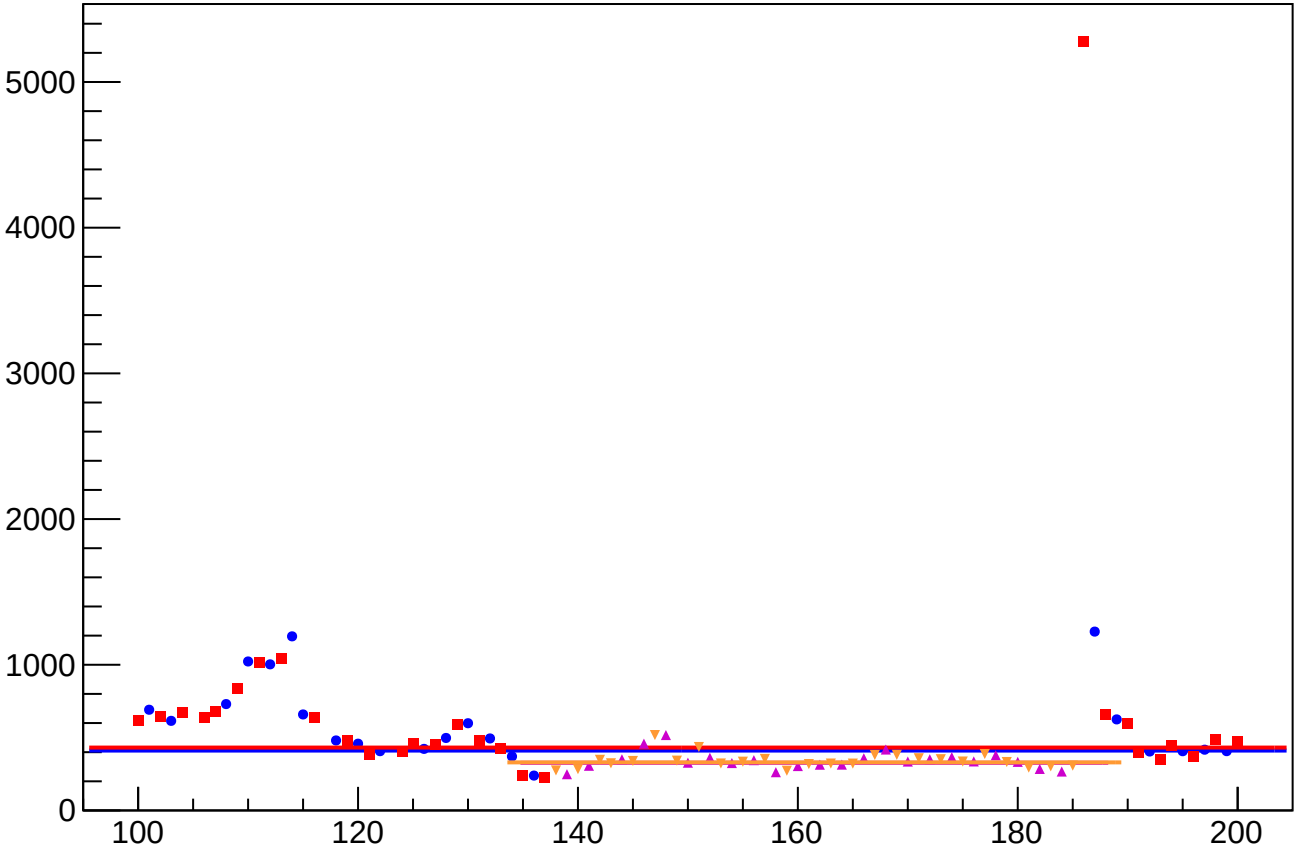
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -54.449+/-65.432 χ^2/NDF: 38.9/46

All: -15.187+/-46.476 χ^2/NDF: 101.0/97

\- sign 24.791+/-66.025 χ^2/NDF: 61.4/50

asym_sam1_cor_correction_rms vs Slug



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

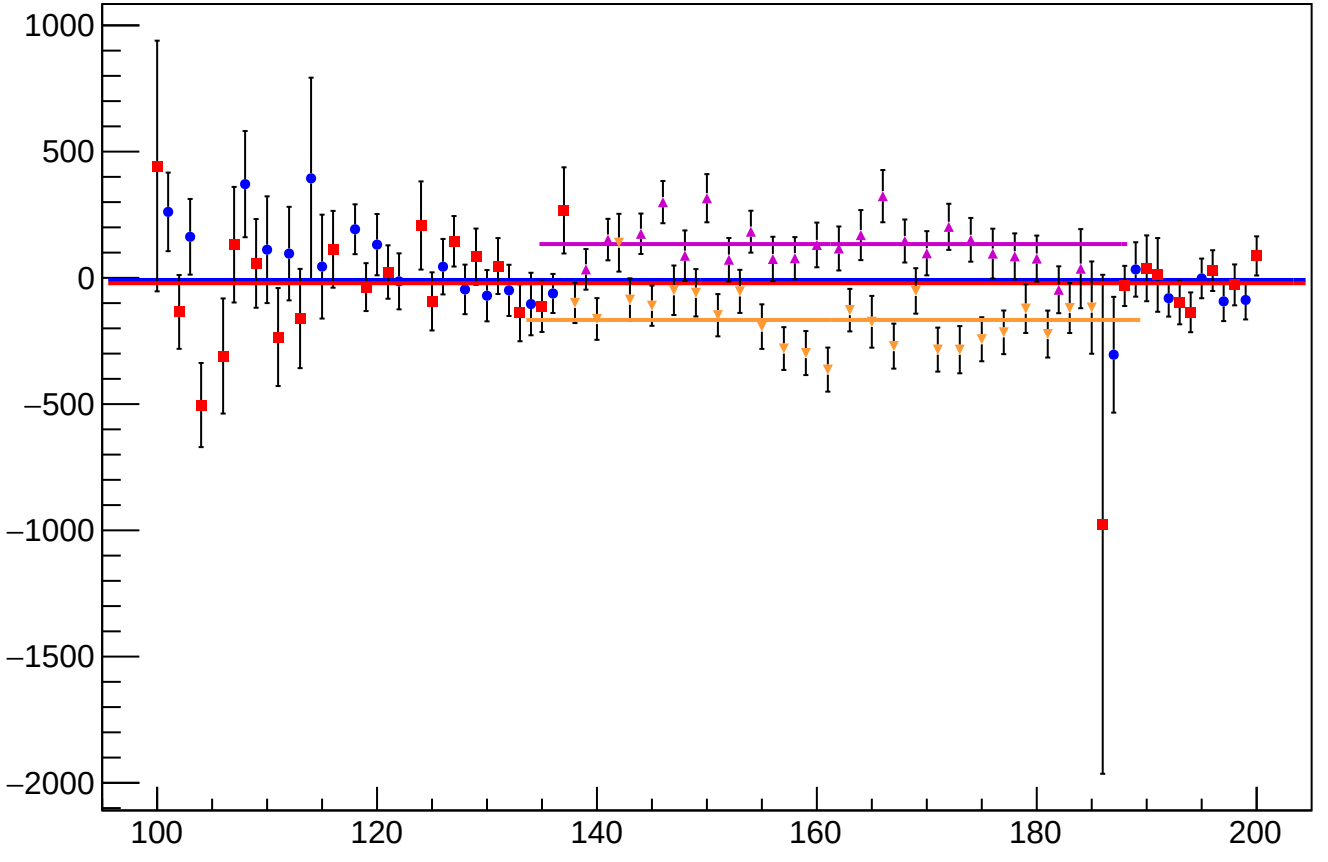
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 350.739+/-0.046 χ^2/NDF: 3888284.5/46

All: 353.217+/-0.033 χ^2/NDF: 9245182.6/97

- sign 355.739+/-0.047 χ^2/NDF: 5351111.9/50

eigen_cor_asym_sam1_mean vs Slug



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.239+/-21.973 χ^2/NDF: 32.2/27

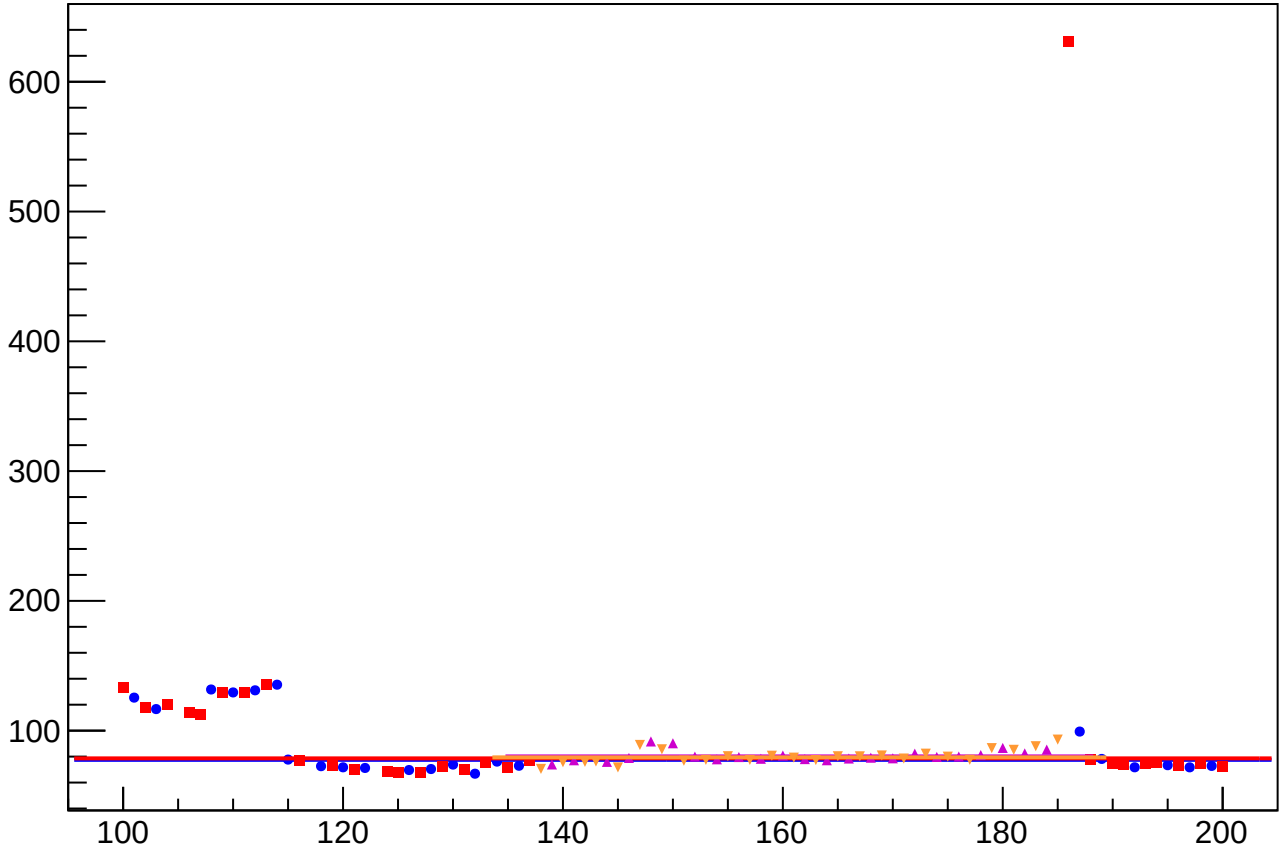
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.169+/-14.283 χ^2/NDF: 82.2/46

All: -19.239+/-10.093 χ^2/NDF: 239.7/97

- sign 68.481+/-14.266 χ^2/NDF: 81.8/50

eigen_cor_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

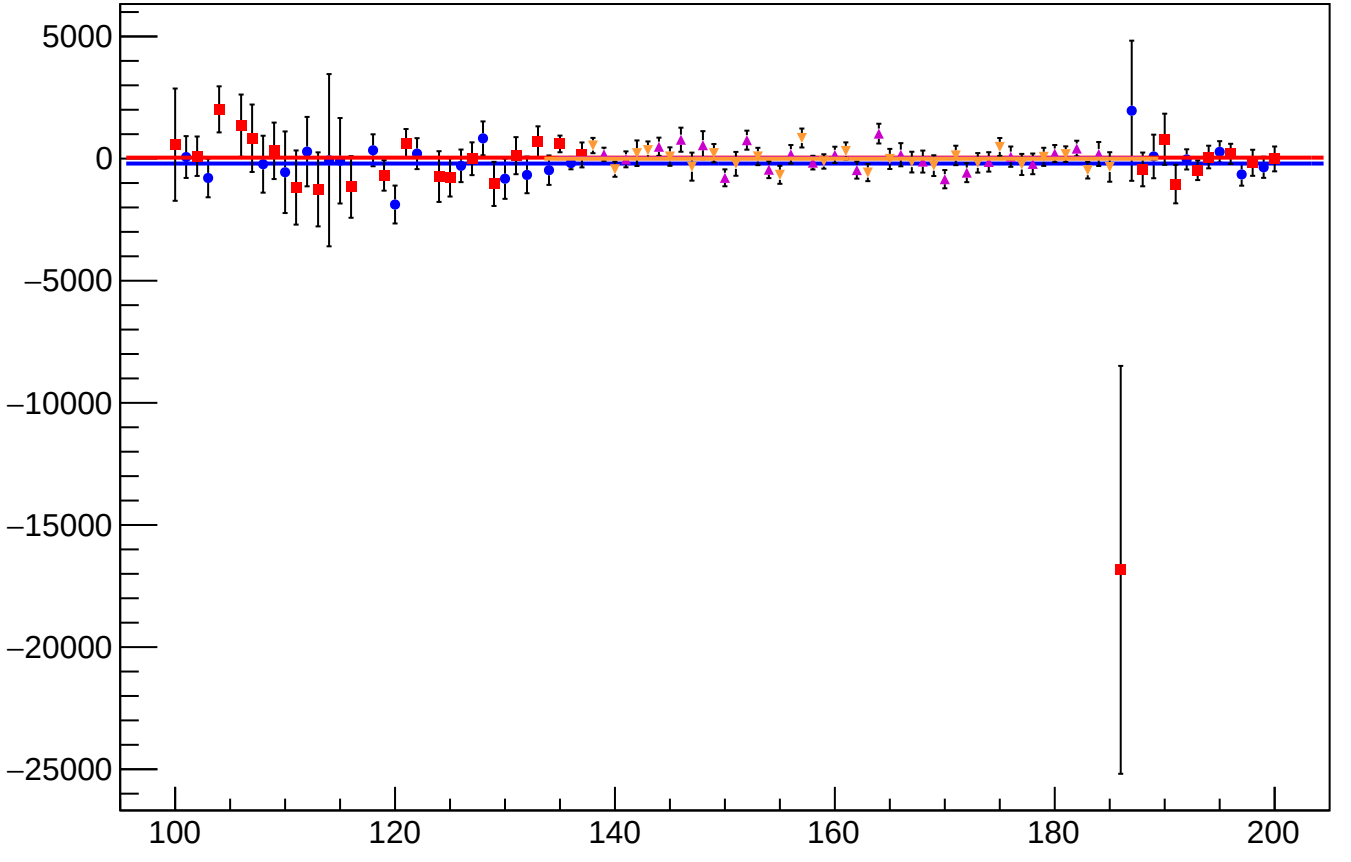
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.694+/-0.010 χ^2/NDF: 1054659.0/46

All: 79.105+/-0.007 χ^2/NDF: 2771445.6/97

- sign 79.516+/-0.010 χ^2/NDF: 1713469.9/50

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 39.256+/-125.912 χ^2/NDF: 26.3/27

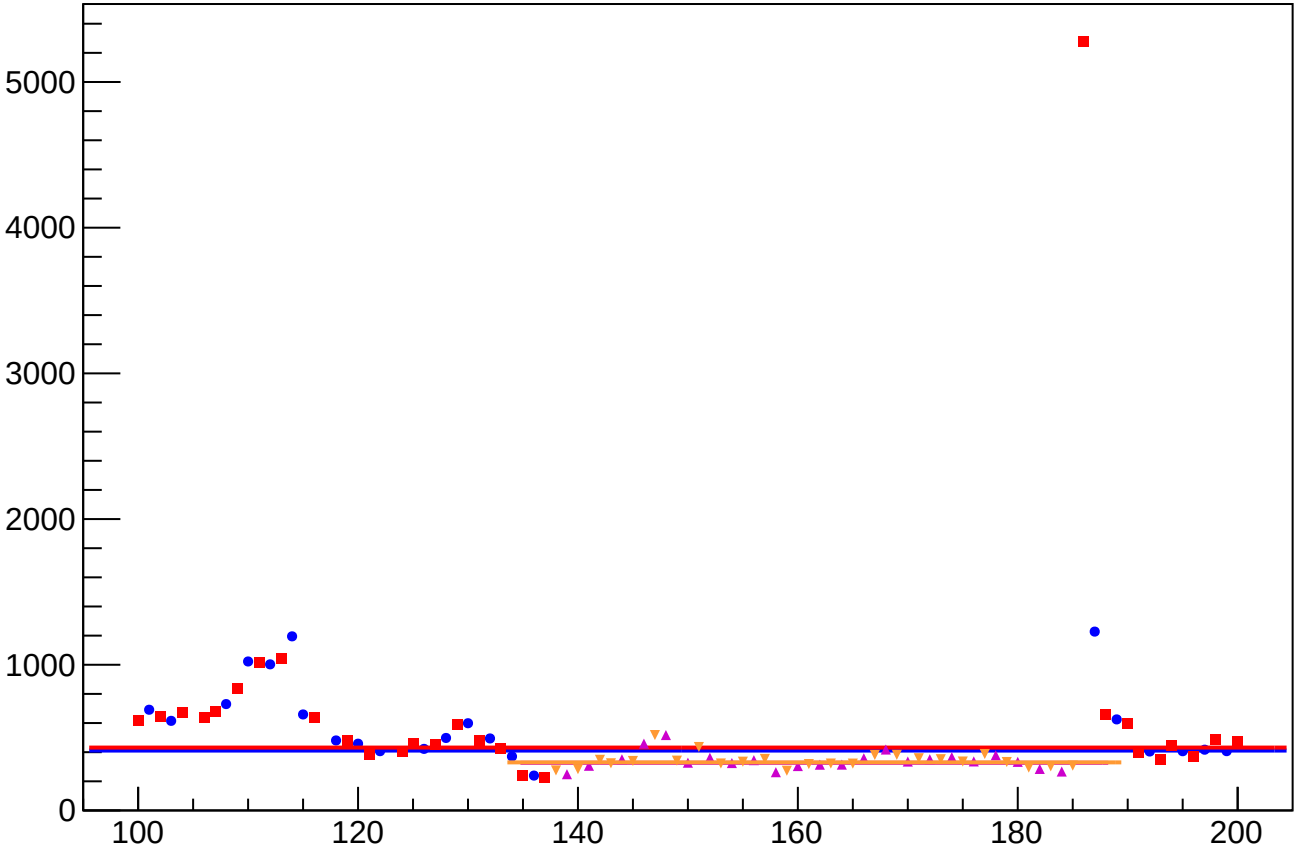
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -54.449+/-65.432 χ^2/NDF: 38.9/46

All: -15.187+/-46.476 χ^2/NDF: 101.0/97

- sign 24.791+/-66.025 χ^2/NDF: 61.4/50

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

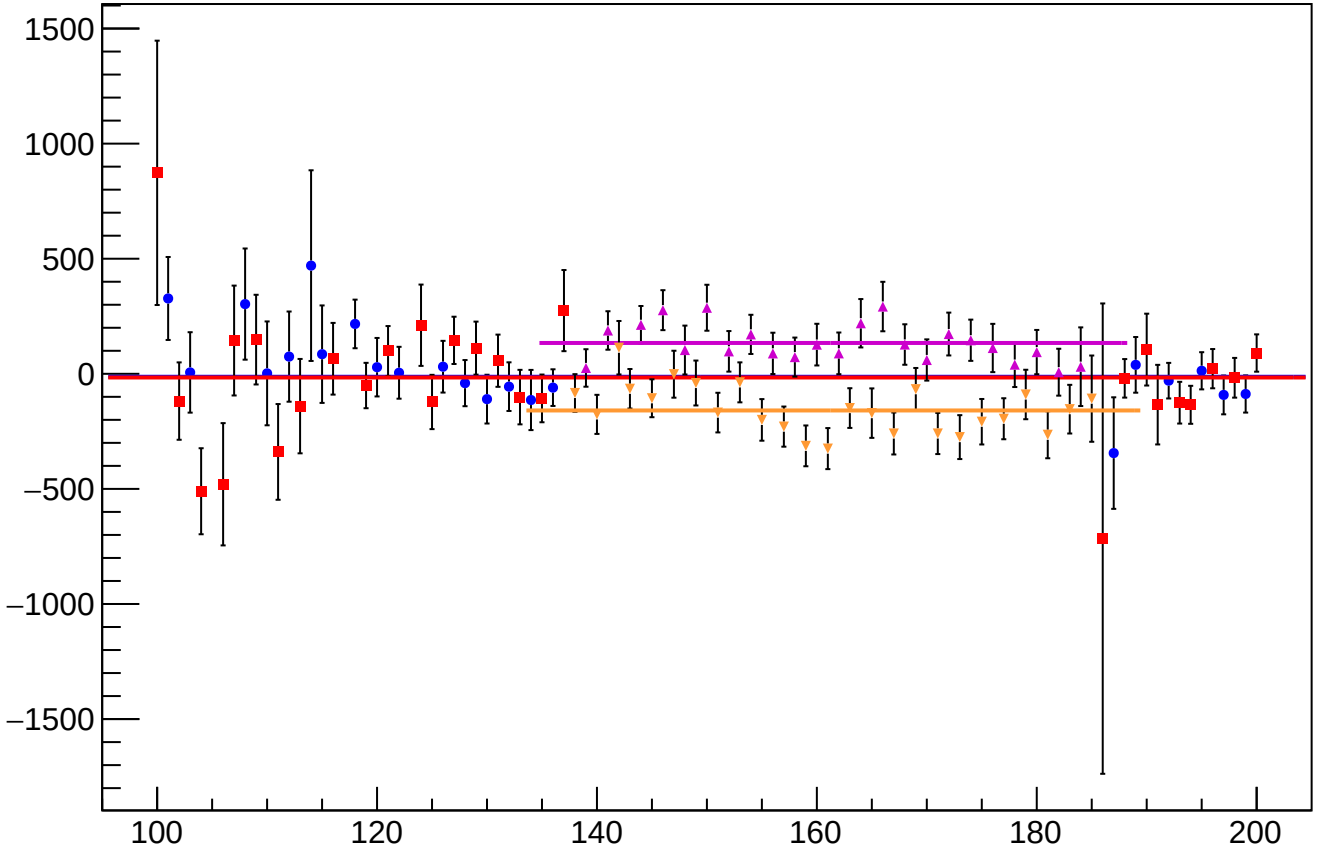
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 350.739+/-0.046 χ^2/NDF: 3888284.5/46

All: 353.217+/-0.033 χ^2/NDF: 9245182.6/97

- sign 355.739+/-0.047 χ^2/NDF: 5351111.9/50

dit_asym_sam1_mean vs Slug



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -15.991+/-23.183 χ^2/NDF: 35.9/27

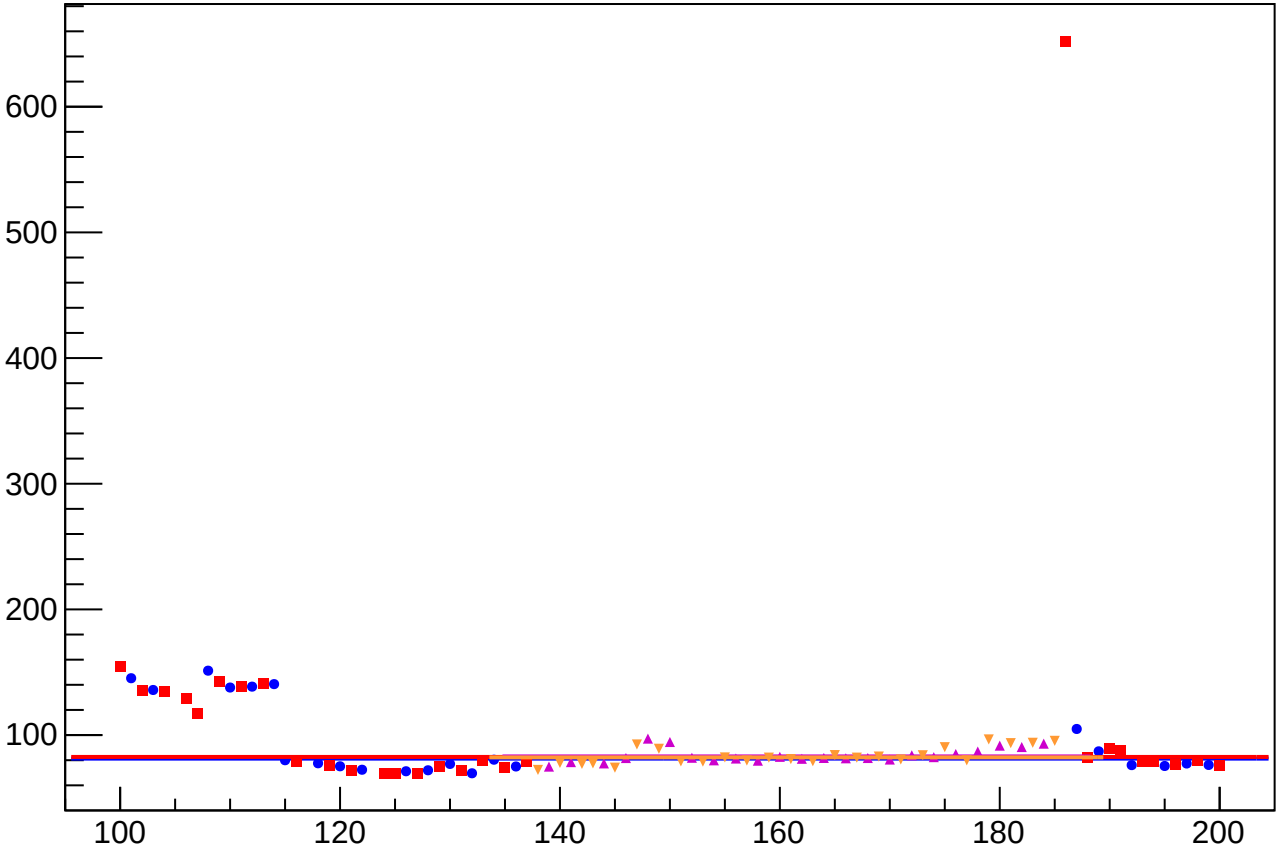
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.318+/-14.902 χ^2/NDF: 68.6/46

All: -16.588+/-10.535 χ^2/NDF: 216.4/97

- sign 72.077+/-14.896 χ^2/NDF: 76.9/50

dit_asym_sam1_rms vs Slug



Right In: 81.268+/-0.017 χ^2/NDF: 1100882.5/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 82.599+/-0.016 χ^2/NDF: 1789530.3/27

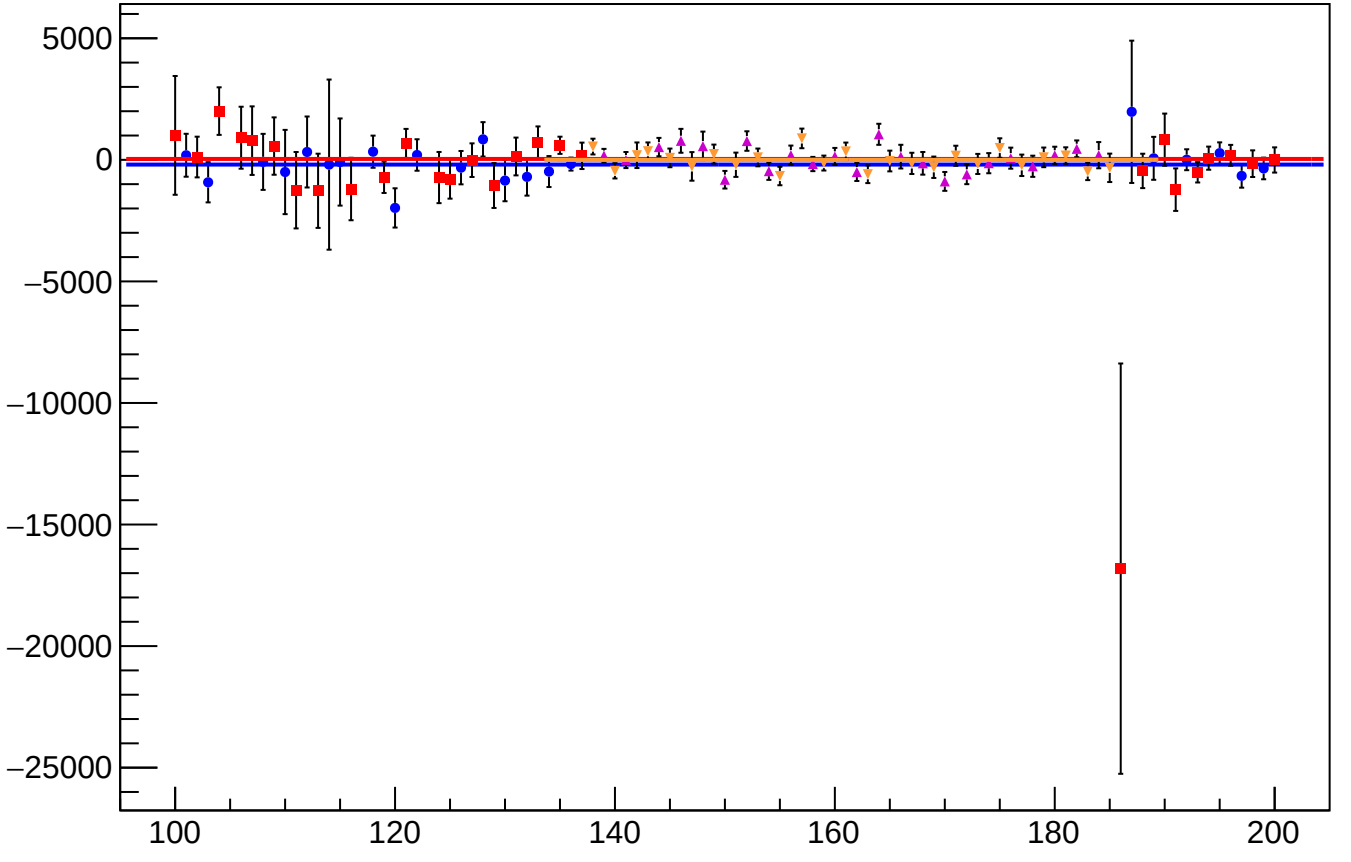
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.887+/-0.011 χ^2/NDF: 1319439.0/46

All: 82.359+/-0.007 χ^2/NDF: 3258928.2/97

- sign 82.830+/-0.011 χ^2/NDF: 1935478.8/50

asym_sam1_dit_correction_mean vs Slug



Right In: -194.513+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.351+/-130.145 χ^2/NDF: 25.8/27

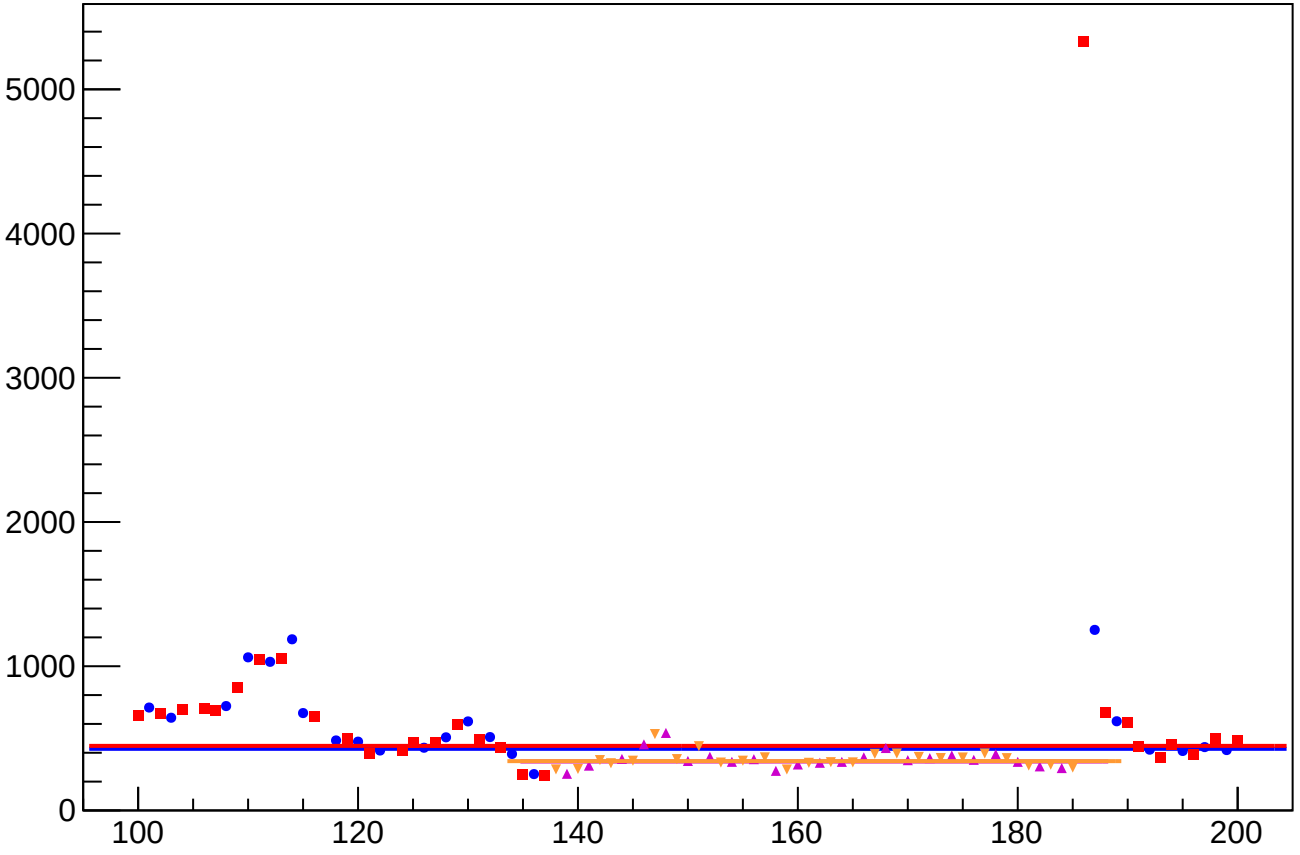
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -52.114+/-67.777 χ^2/NDF: 38.5/46

All: -15.263+/-48.147 χ^2/NDF: 99.8/97

- sign 22.274+/-68.406 χ^2/NDF: 60.7/50

asym_sam1_dit_correction_rms vs Slug



Right In: 427.315+/-0.095 χ^2/NDF: 2515135.3/21

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 447.800+/-0.092 χ^2/NDF: 3382776.9/27

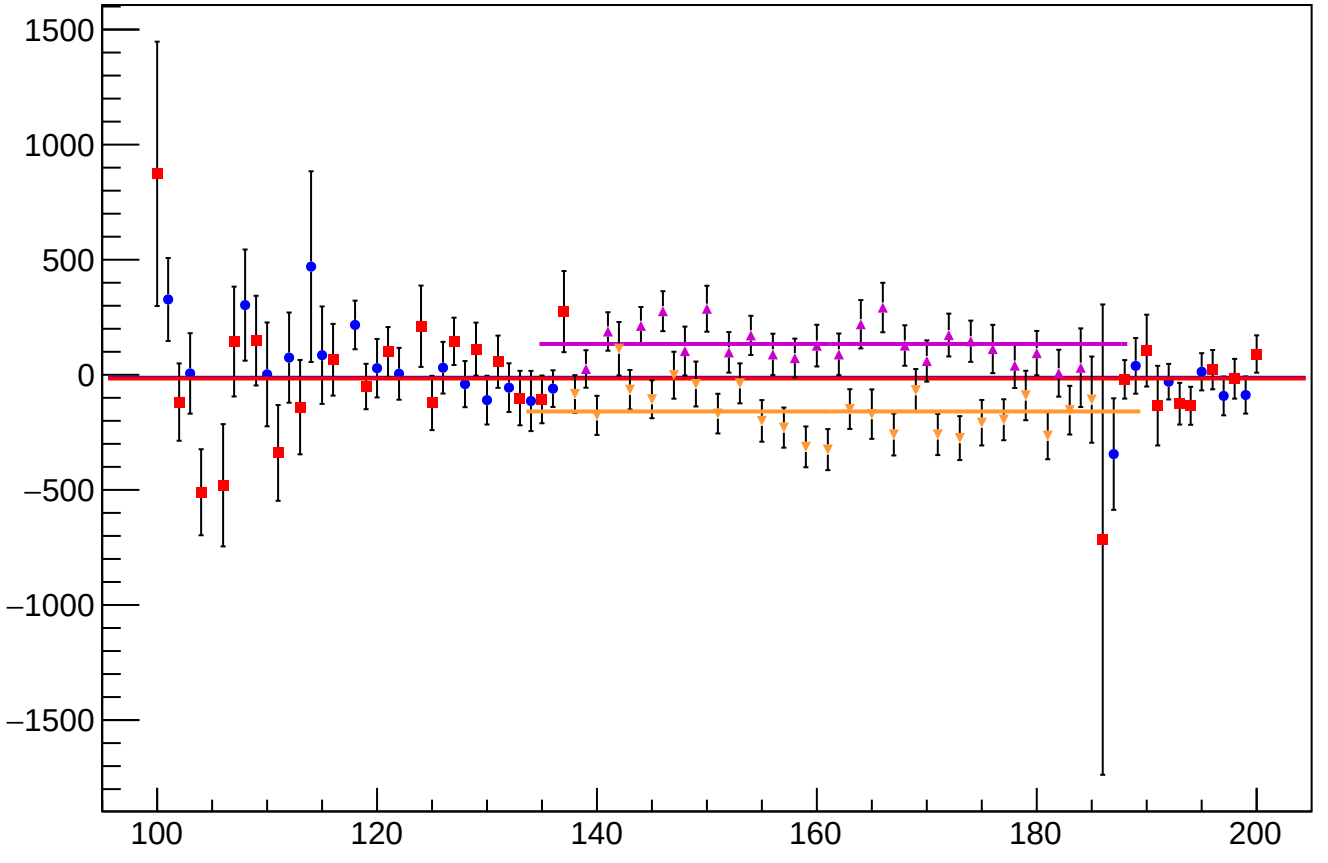
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 363.787+/-0.048 χ^2/NDF: 3773932.1/46

All: 366.552+/-0.034 χ^2/NDF: 9013772.0/97

- sign 369.369+/-0.048 χ^2/NDF: 5233117.6/50

eigen_dit_asym_sam1_mean vs Slug



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -15.990+/-23.183 χ^2/NDF: 35.9/27

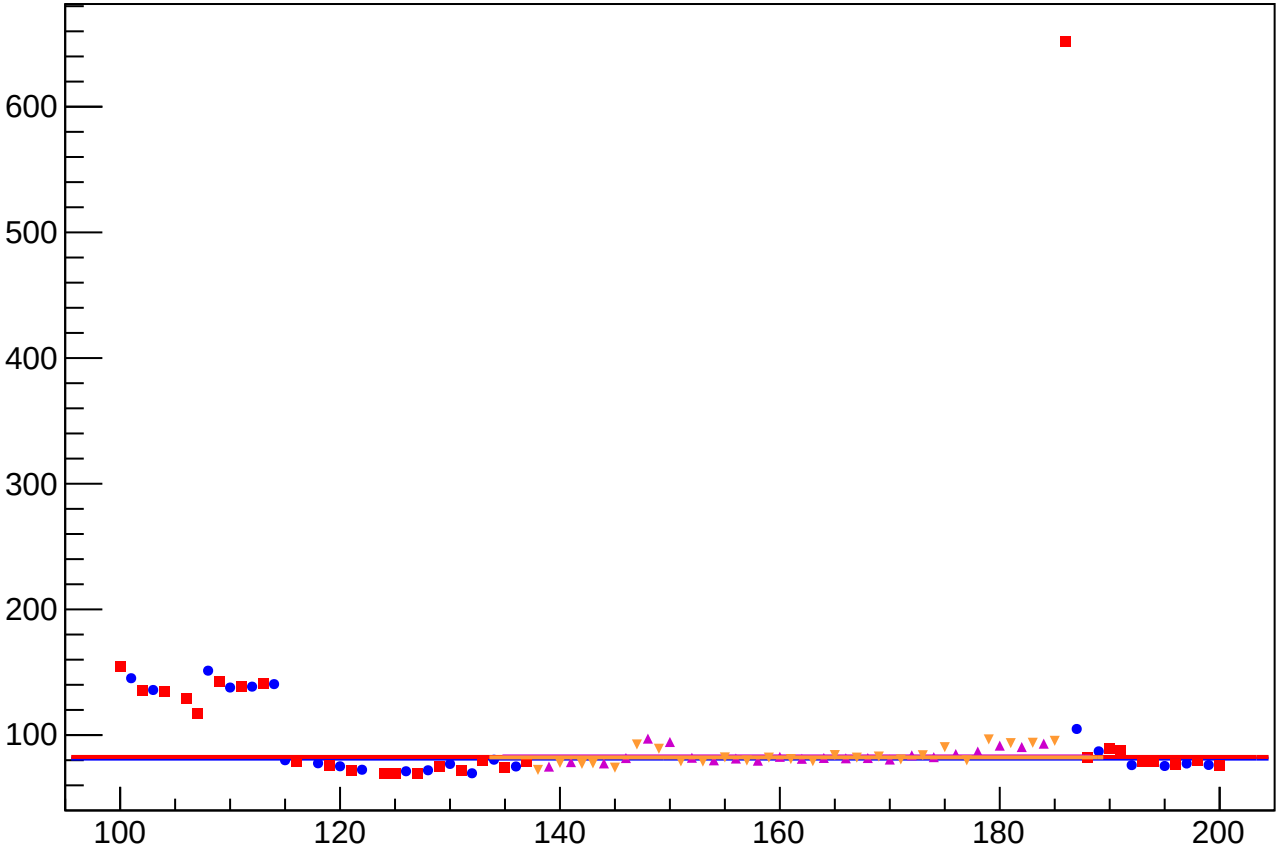
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.318+/-14.902 χ^2/NDF: 68.6/46

All: -16.588+/-10.535 χ^2/NDF: 216.4/97

- sign 72.077+/-14.896 χ^2/NDF: 76.9/50

eigen_dit_asym_sam1_rms vs Slug



Right In: 81.268+/-0.017 χ^2/NDF: 1100883.7/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 82.598+/-0.016 χ^2/NDF: 1789530.4/27

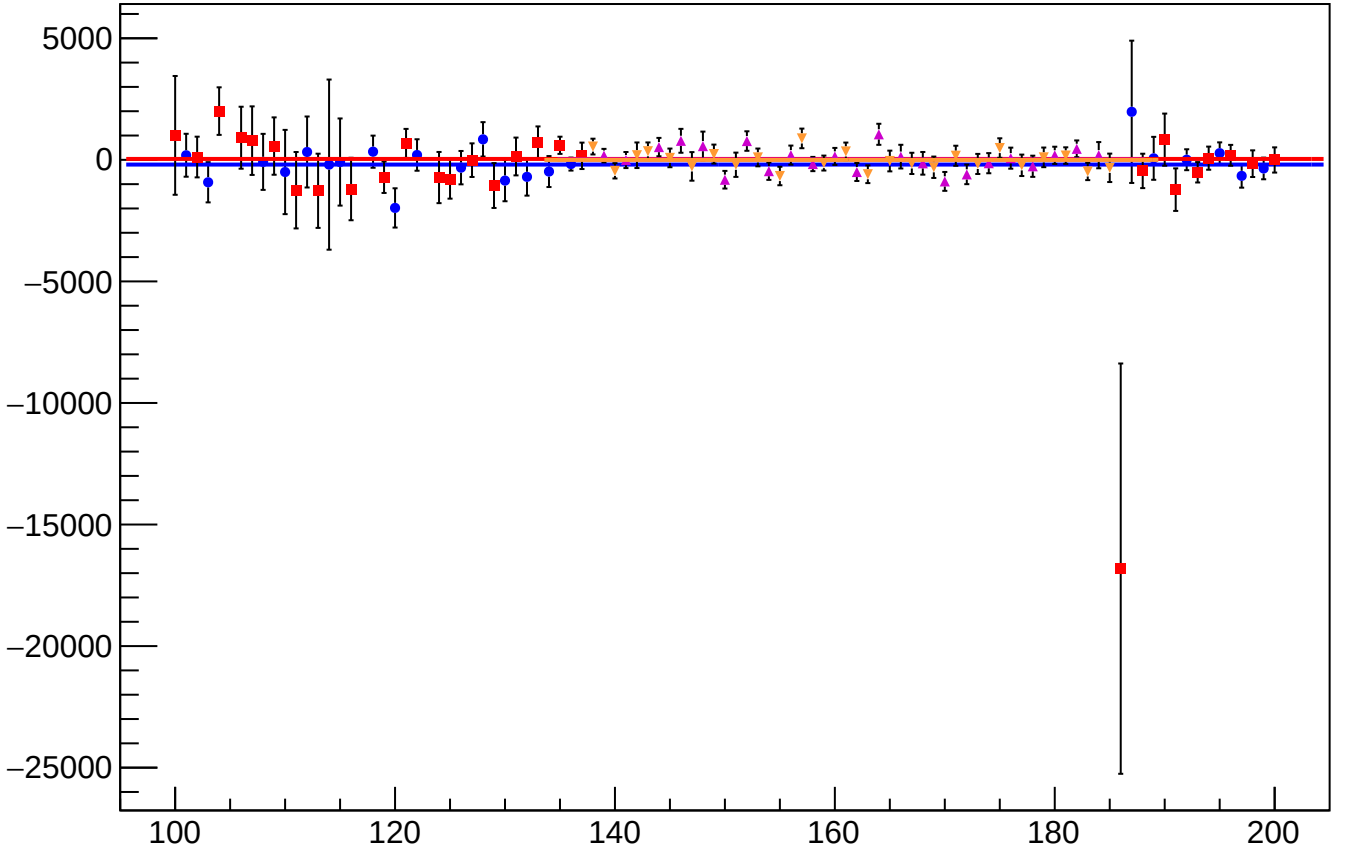
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.887+/-0.011 χ^2/NDF: 1319440.9/46

All: 82.359+/-0.007 χ^2/NDF: 3258928.7/97

- sign 82.830+/-0.011 χ^2/NDF: 1935477.6/50

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -194.511+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.352+/-130.145 χ^2/NDF: 25.8/27

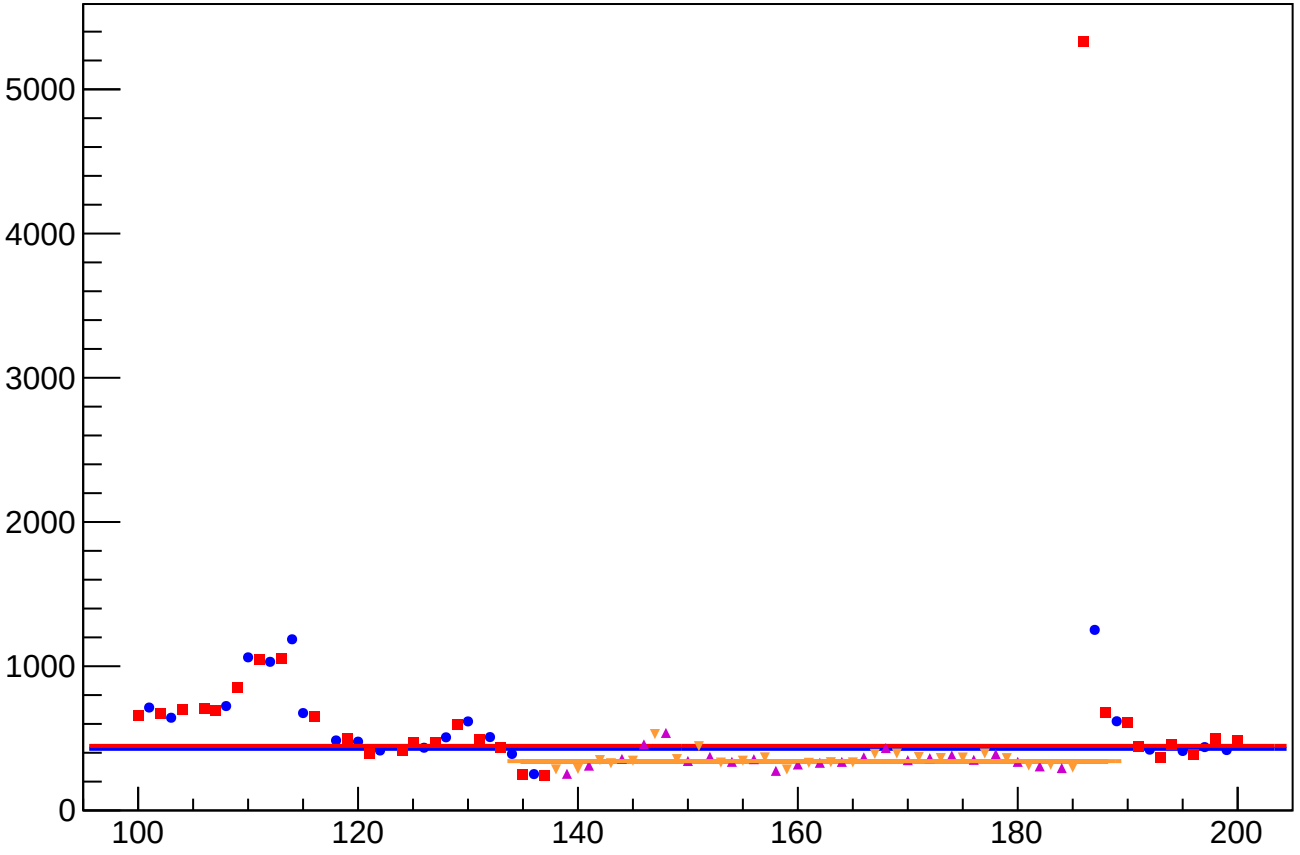
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -52.113+/-67.777 χ^2/NDF: 38.5/46

All: -15.263+/-48.147 χ^2/NDF: 99.8/97

- sign 22.274+/-68.406 χ^2/NDF: 60.7/50

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 427.314+/-0.095 χ^2/NDF: 2515140.4/21

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 447.799+/-0.092 χ^2/NDF: 3382785.4/27

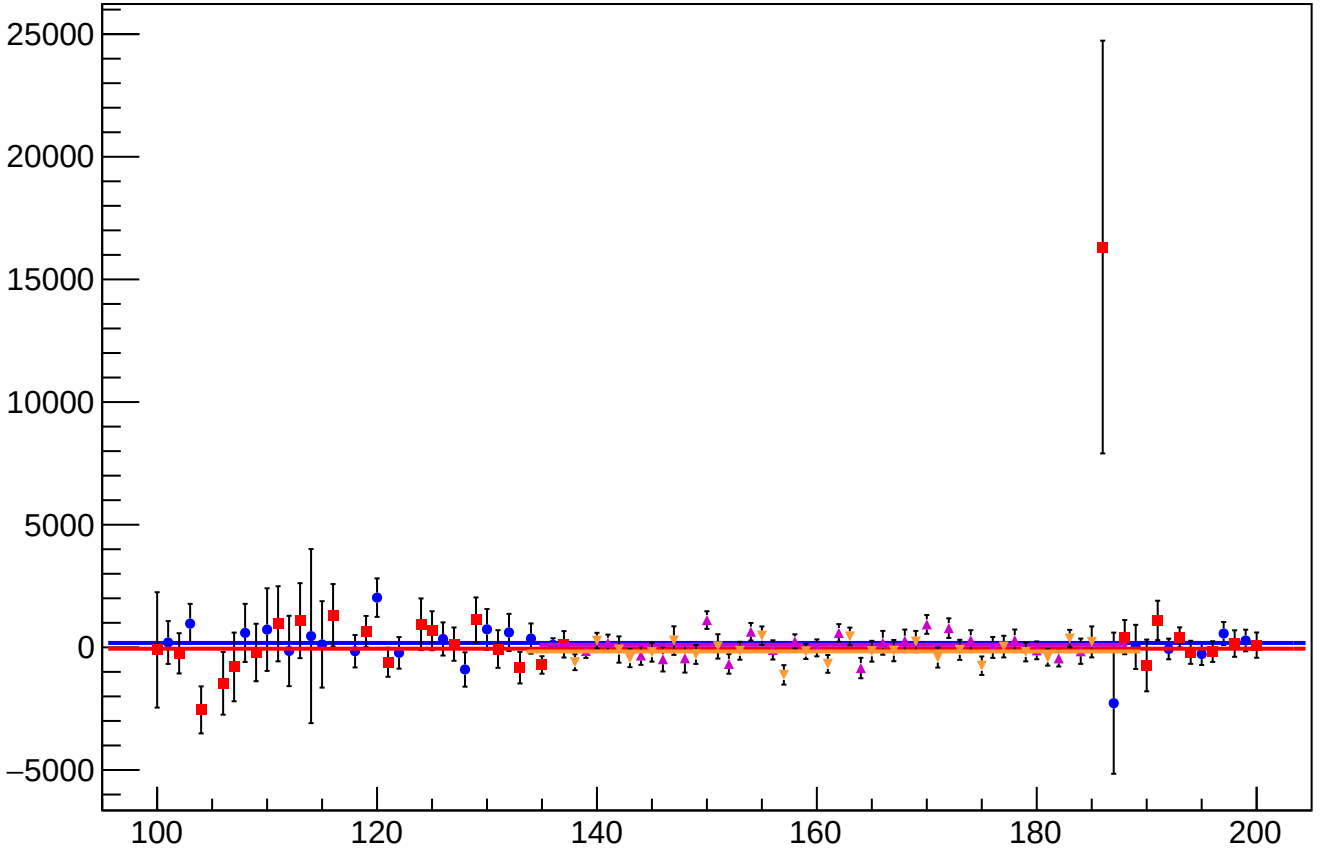
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 363.786+/-0.048 χ^2/NDF: 3773929.8/46

All: 366.552+/-0.034 χ^2/NDF: 9013765.8/97

- sign 369.369+/-0.048 χ^2/NDF: 5233113.9/50

asym_sam1_mean vs Slug



Right In: 180.227+/-132.243 χ^2/NDF: 13.7/21

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -54.692+/-128.539 χ^2/NDF: 29.5/27

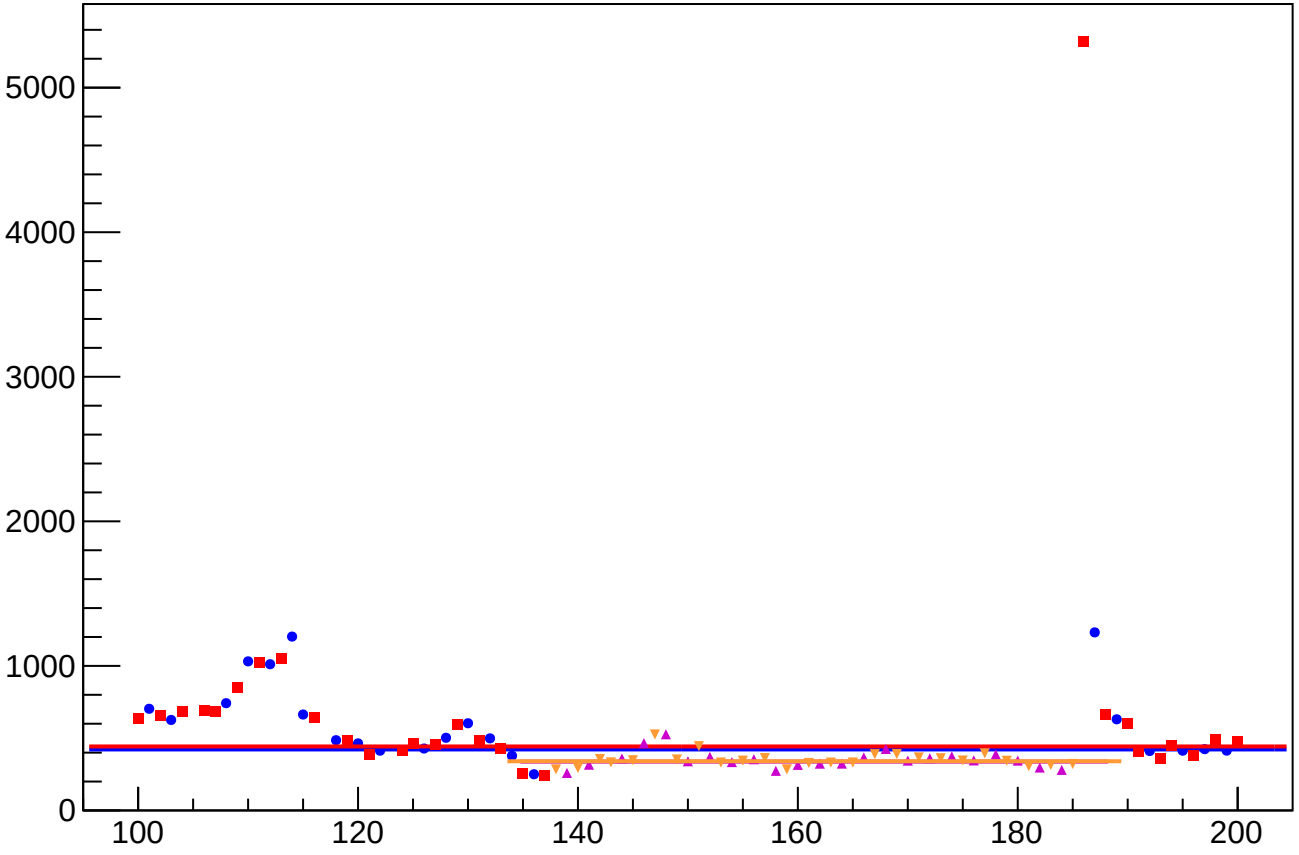
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -77.357+/-67.298 χ^2/NDF: 44.4/46

All: -9.452+/-47.804 χ^2/NDF: 114.5/97

- sign 59.707+/-67.917 χ^2/NDF: 68.1/50

asym_sam1_rms vs Slug



Right In: 422.026+/-0.094 χ^2/NDF: 2495203.2/21

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

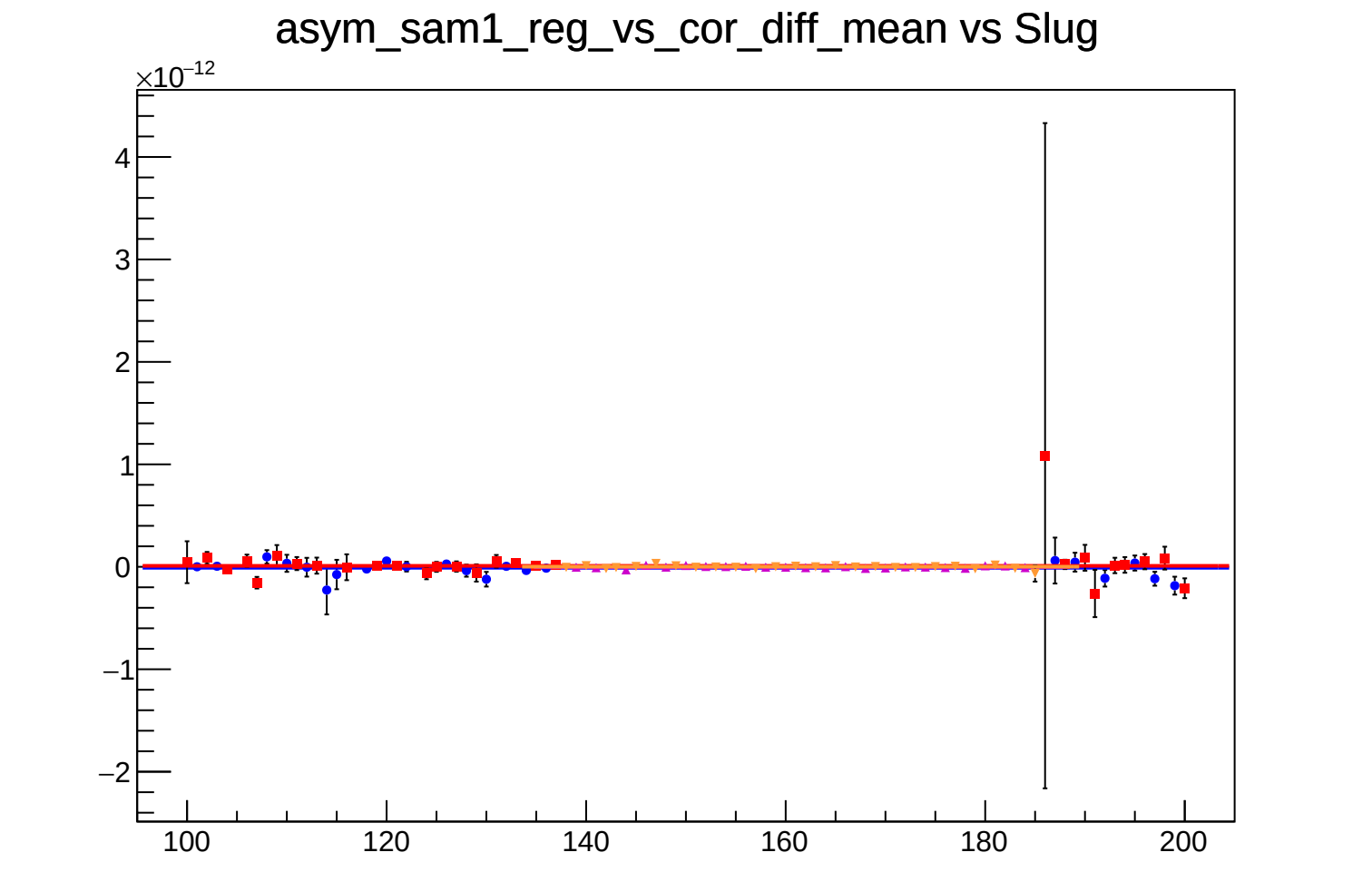
Right Out: 442.658+/-0.091 χ^2/NDF: 3319667.2/27

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 361.533+/-0.048 χ^2/NDF: 3664115.2/46

All: 364.264+/-0.034 χ^2/NDF: 8771238.6/97

- sign 367.045+/-0.048 χ^2/NDF: 5100476.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

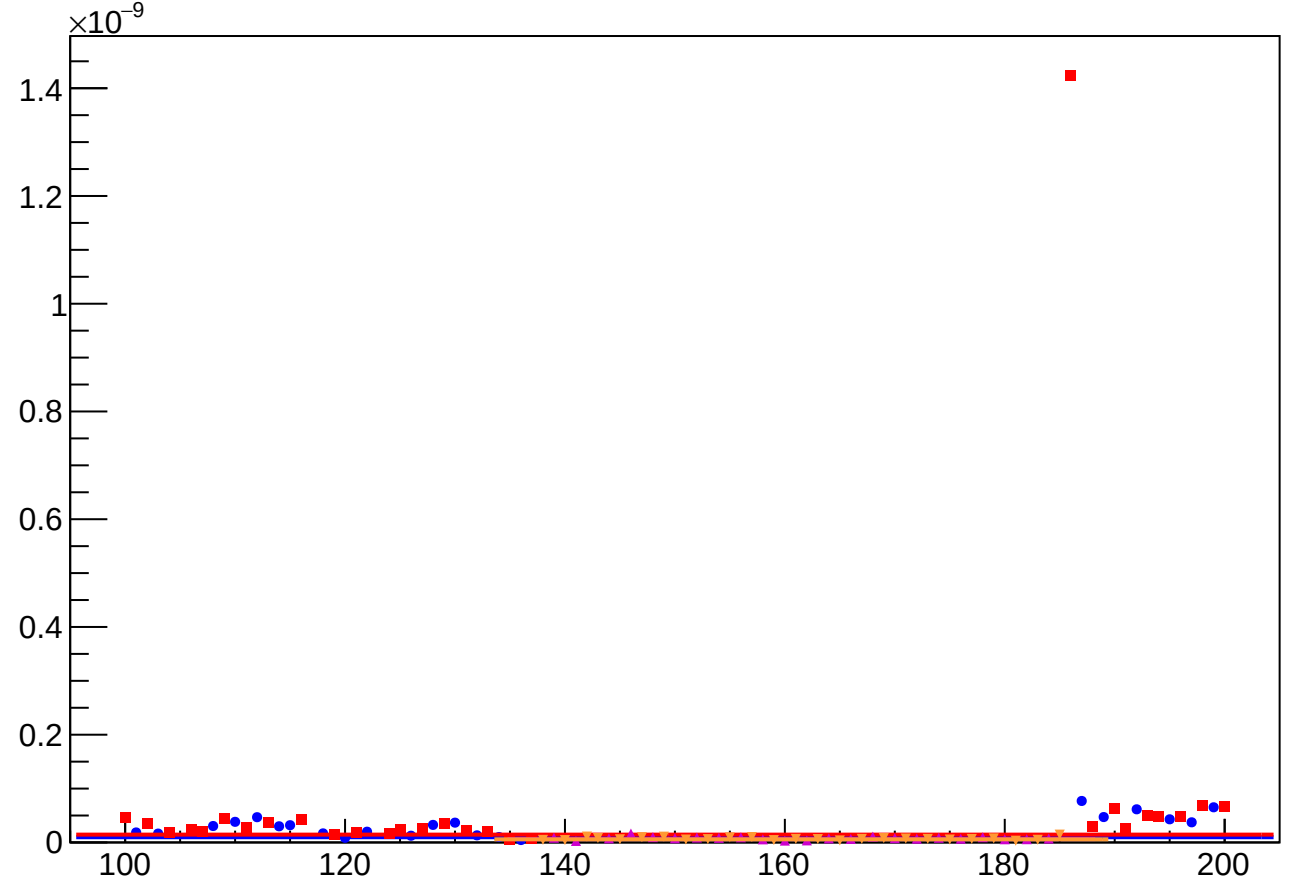
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/27

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/46

All: -0.000+/-0.000 χ^2/NDF: 81.6/97

- sign -0.000+/-0.000 χ^2/NDF: 38.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5717852.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6139167.7/27

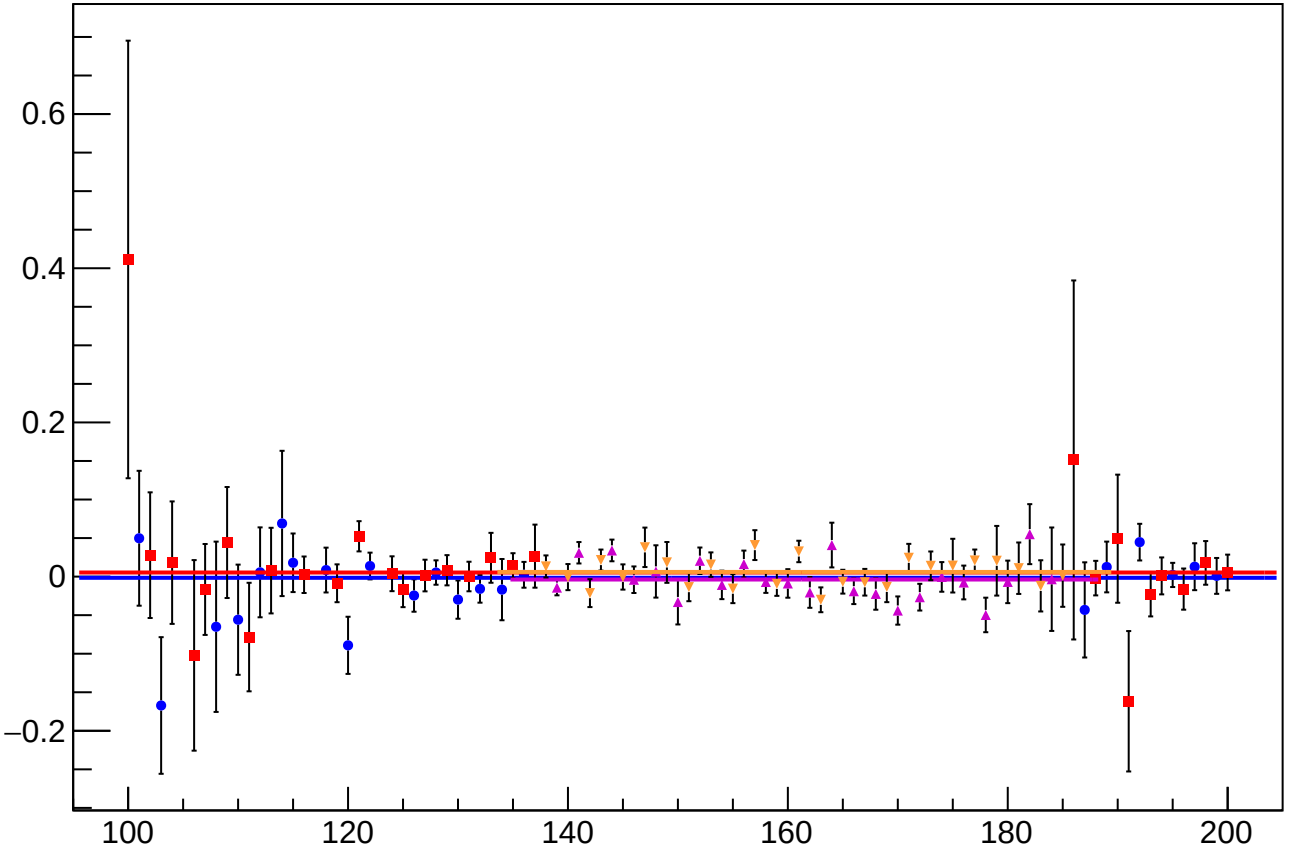
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7591658.6/46

All: 0.000+/-0.000 χ^2/NDF: 17825331.5/97

- sign 0.000+/-0.000 χ^2/NDF: 10129067.1/50

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/27

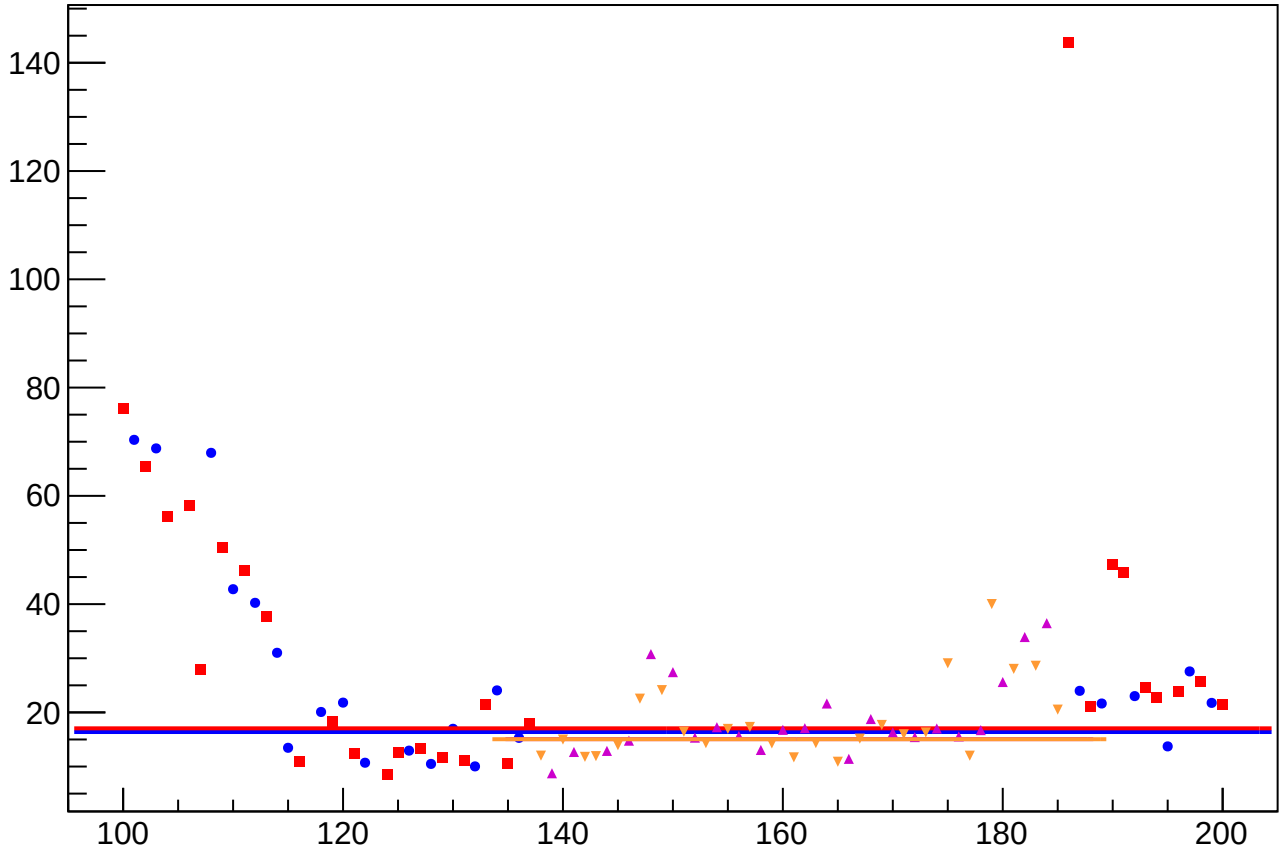
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/97

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

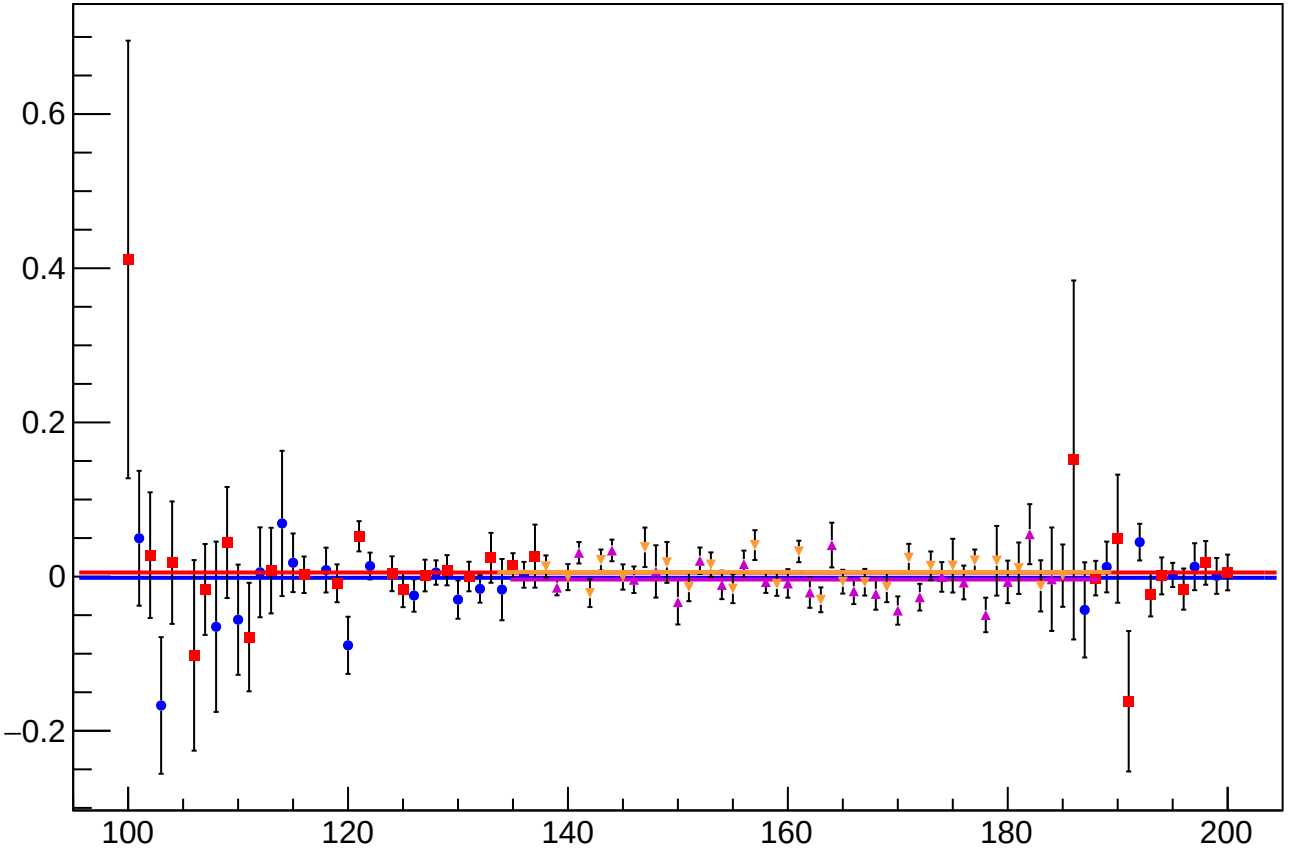
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.449+/-0.002 χ^2/NDF: 7028681.3/46

All: 15.589+/-0.002 χ^2/NDF: 16047083.9/97

- sign 15.734+/-0.002 χ^2/NDF: 9009933.7/50

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/27

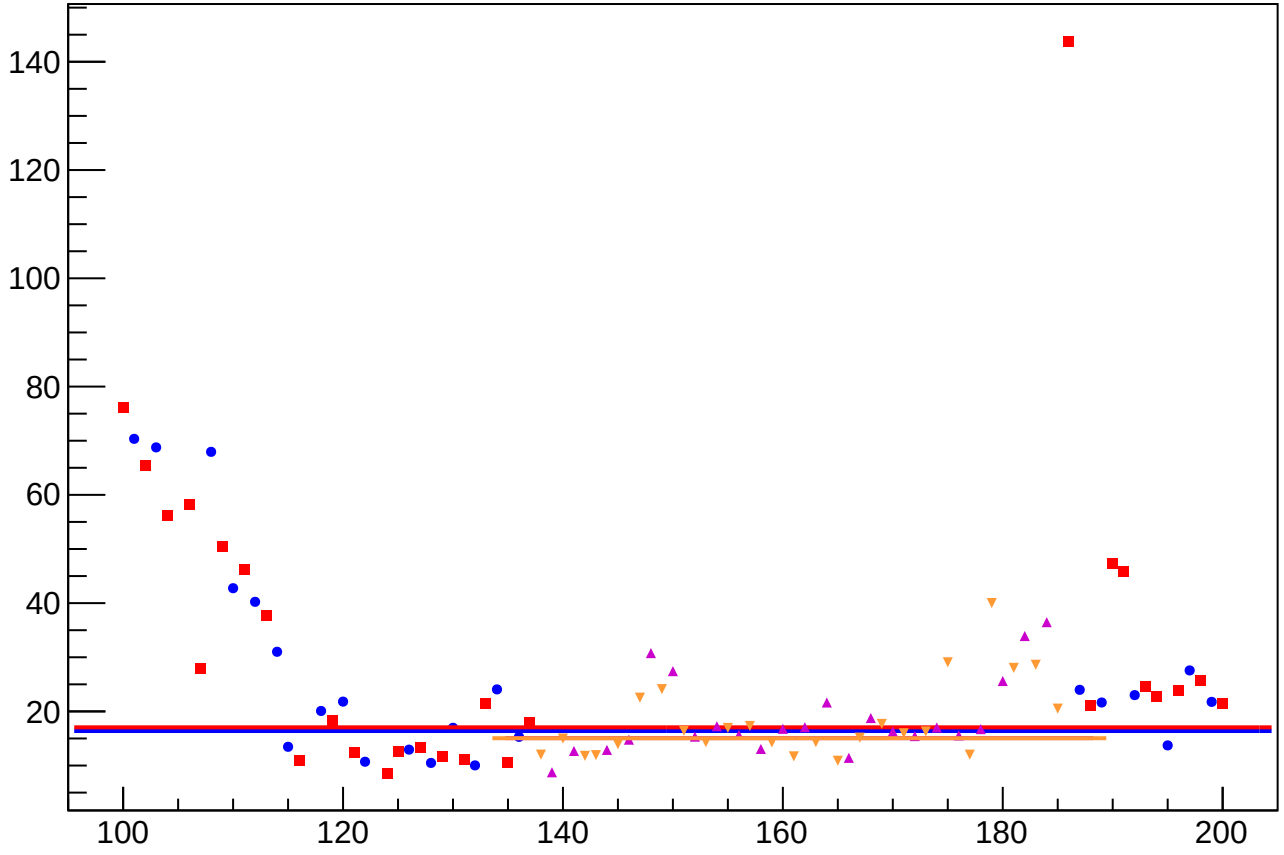
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/97

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

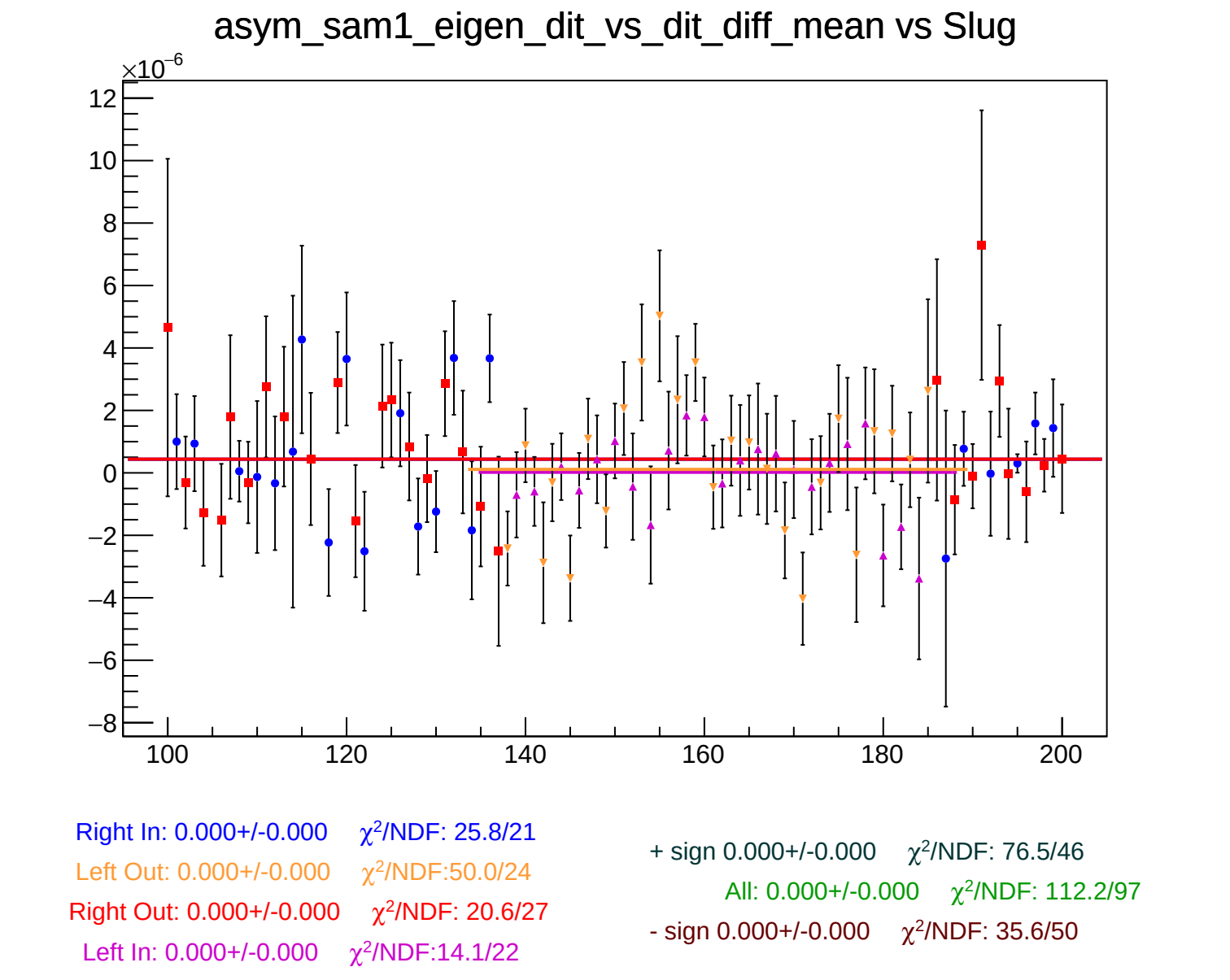
Right Out: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

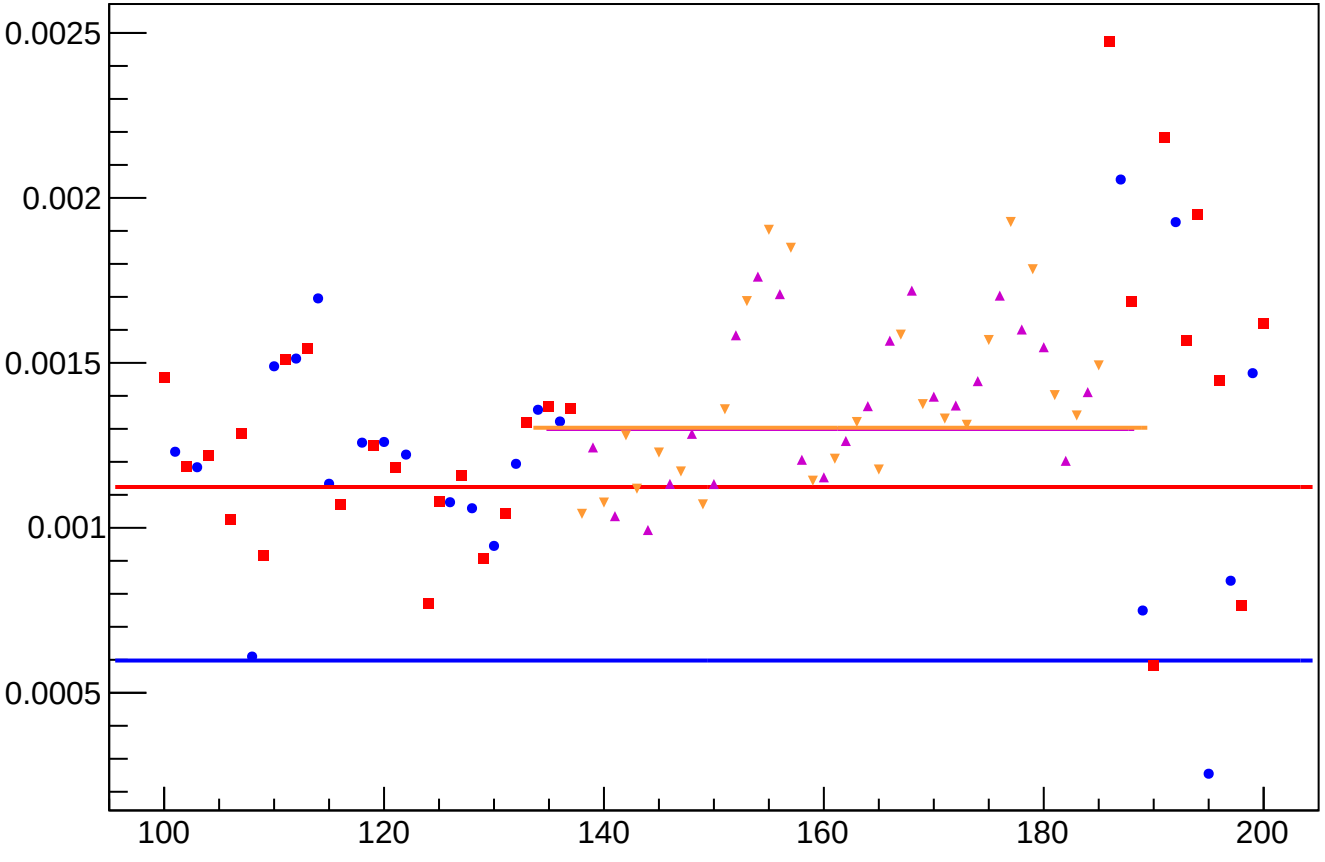
+ sign 15.449+/-0.002 χ^2/NDF: 7028681.3/46

All: 15.589+/-0.002 χ^2/NDF: 16047083.9/97

- sign 15.734+/-0.002 χ^2/NDF: 9009933.7/50


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.8/21
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/27
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 76.5/46
All: 0.000+/-0.000 χ²/NDF: 112.2/97
- sign 0.000+/-0.000 χ²/NDF: 35.6/50

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8157724.9/21

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2572029.8/27

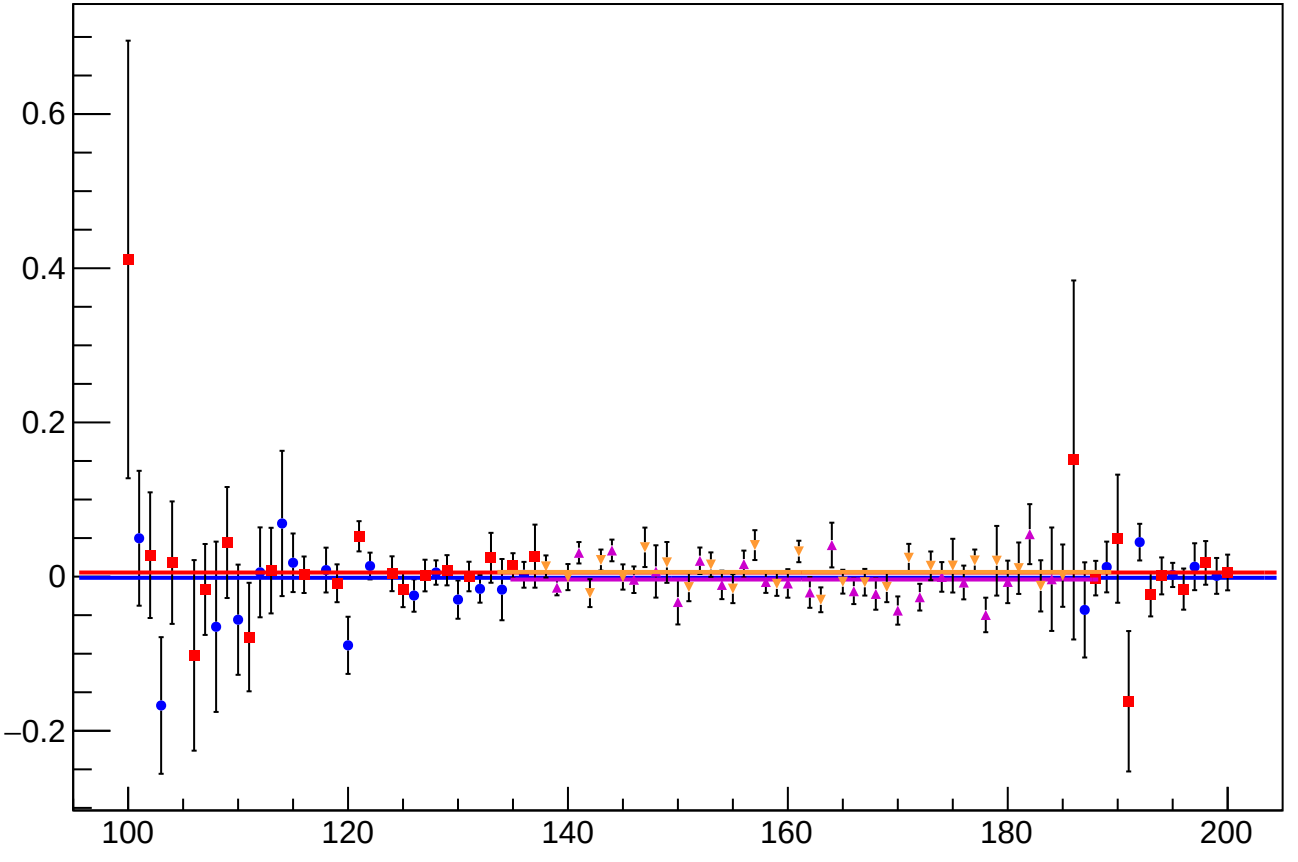
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16344231.4/46

All: 0.001+/-0.000 χ^2/NDF: 23452883.6/97

- sign 0.001+/-0.000 χ^2/NDF: 3908406.0/50

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/27

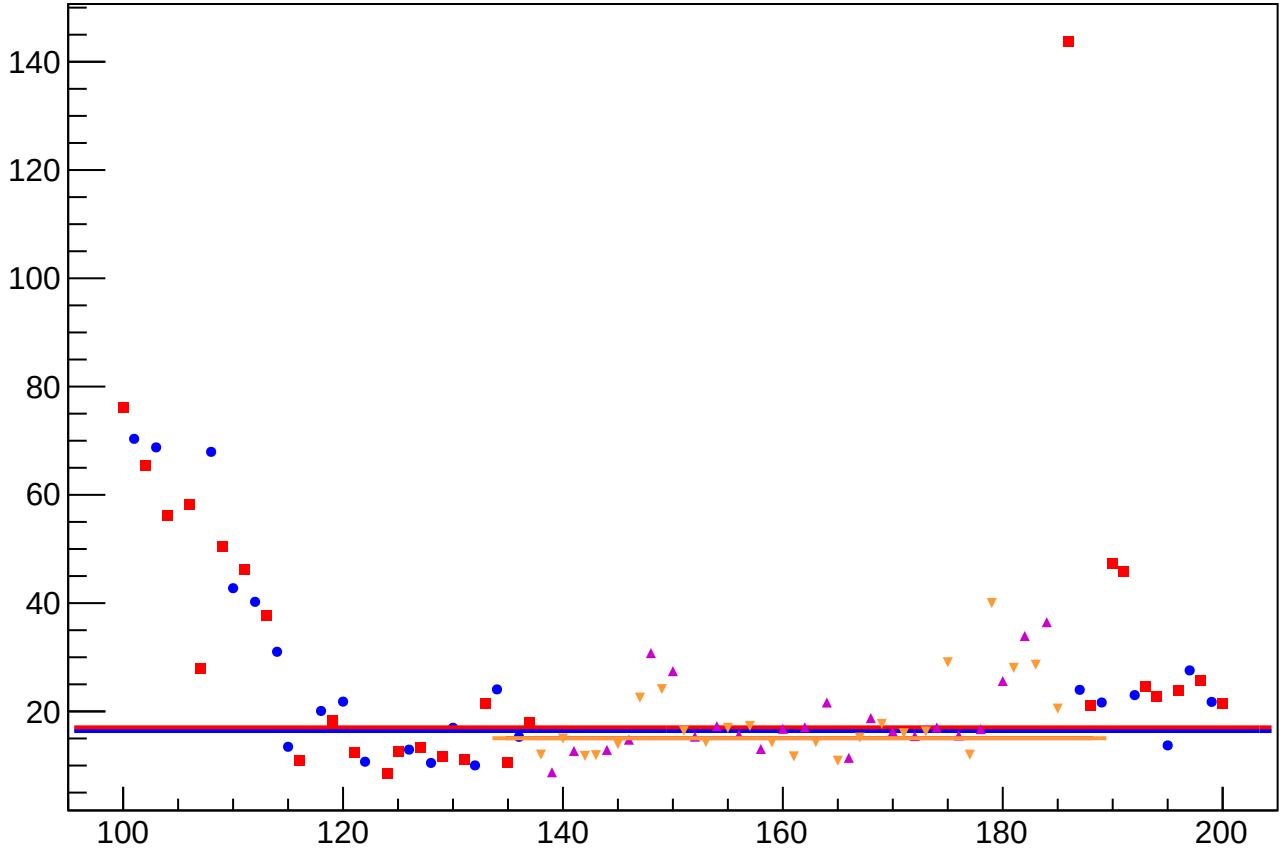
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/97

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

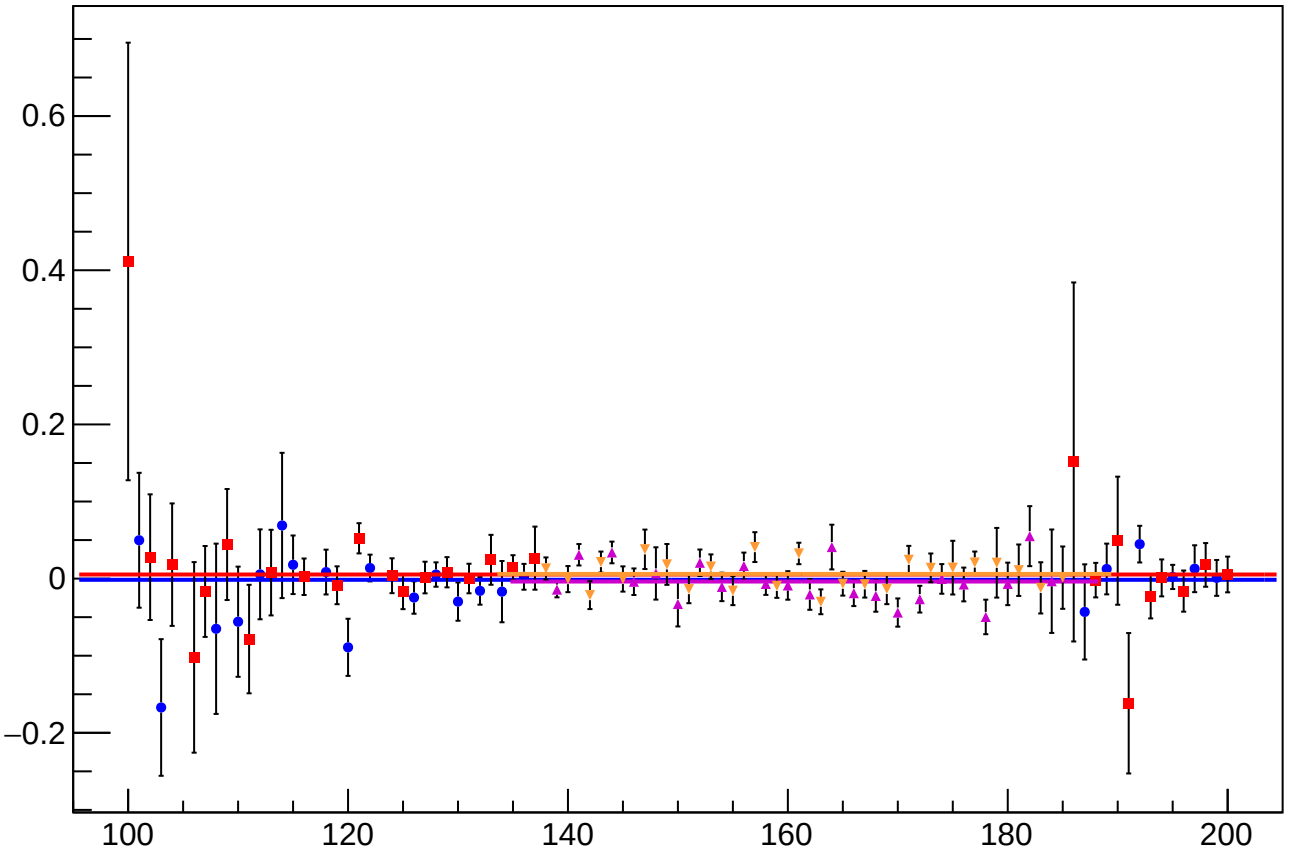
Right Out: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.449+/-0.002 χ^2/NDF: 7028883.9/46

All: 15.589+/-0.002 χ^2/NDF: 16047292.3/97

- sign 15.734+/-0.002 χ^2/NDF: 9009935.9/50



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

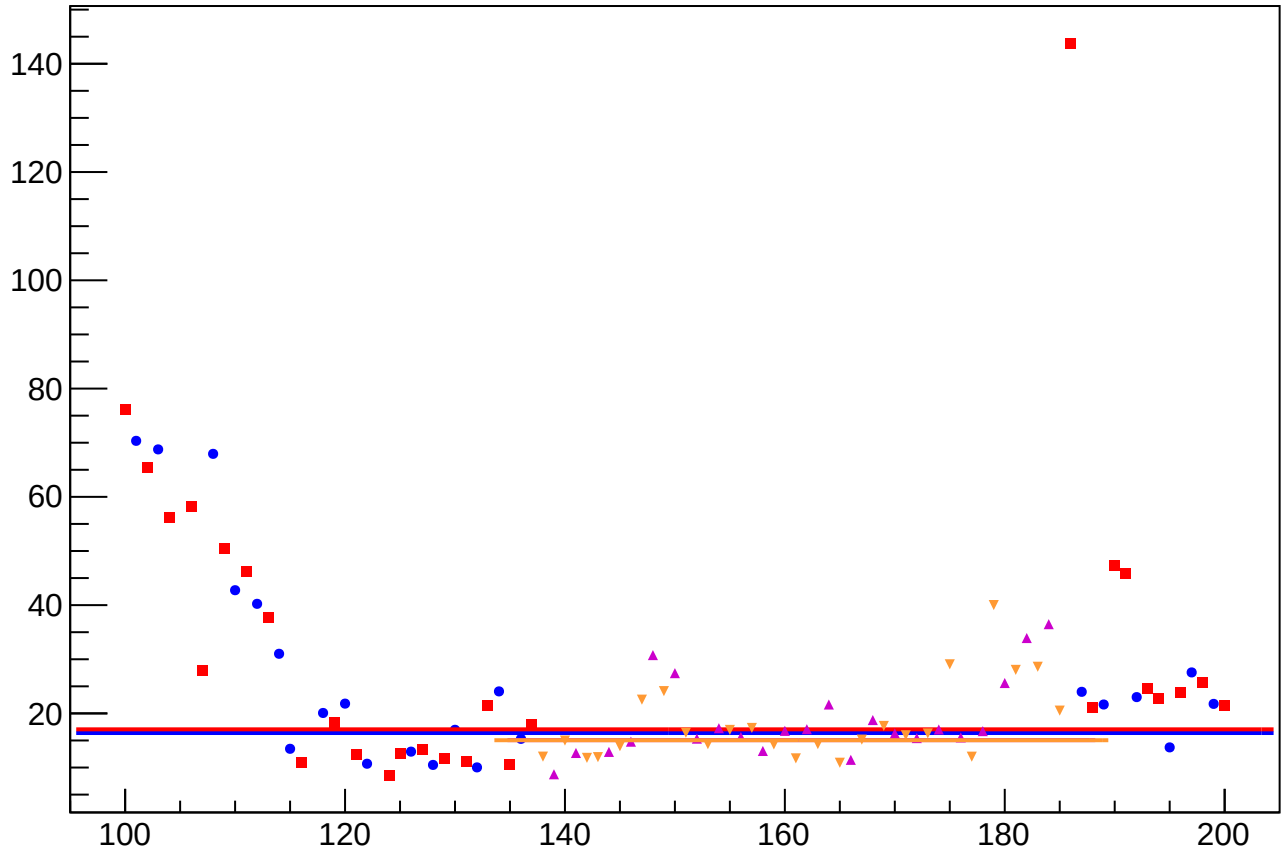
Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/27

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/97

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

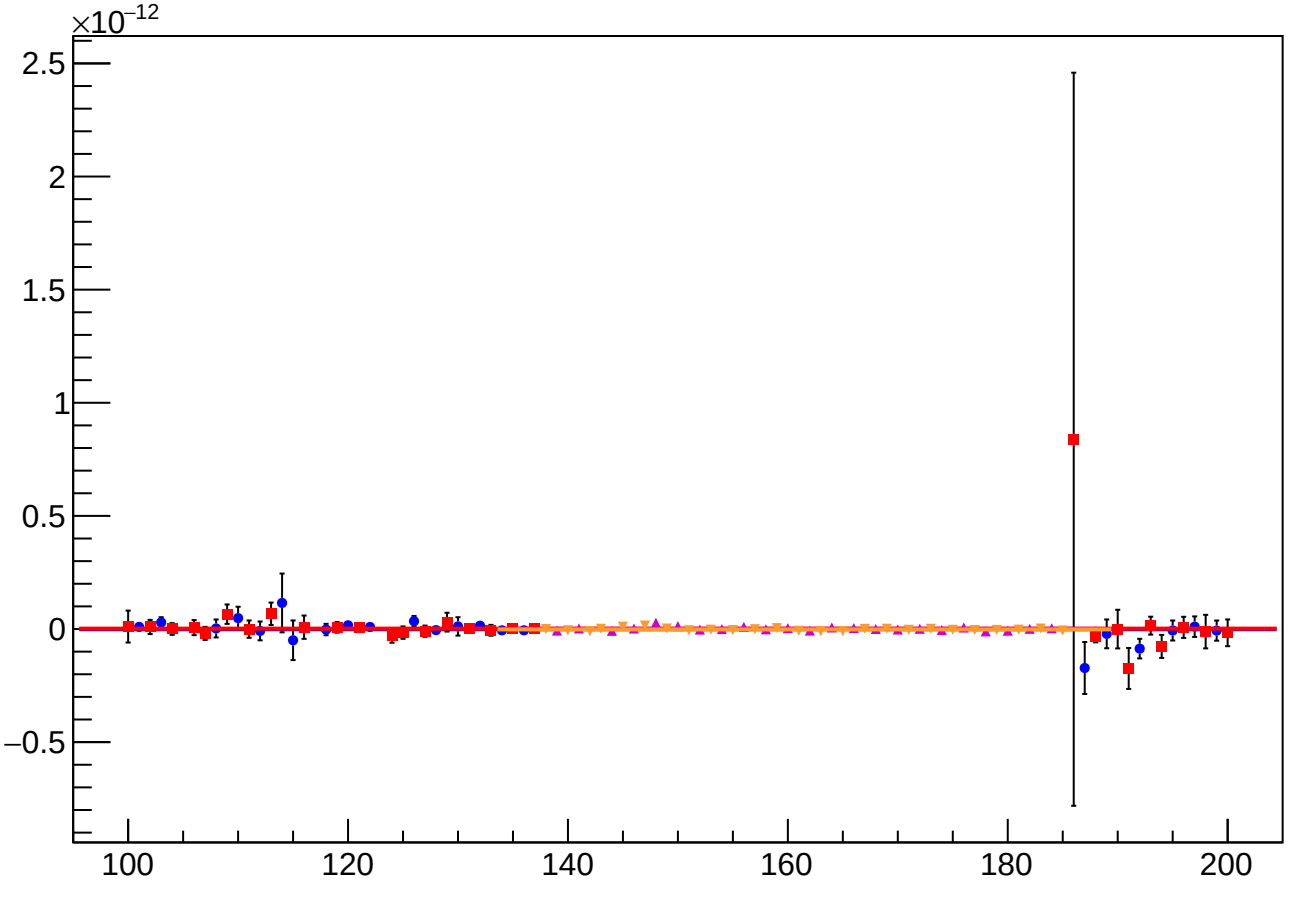
Right Out: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.449+/-0.002 χ^2/NDF: 7028883.9/46

All: 15.589+/-0.002 χ^2/NDF: 16047292.3/97

- sign 15.734+/-0.002 χ^2/NDF: 9009935.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

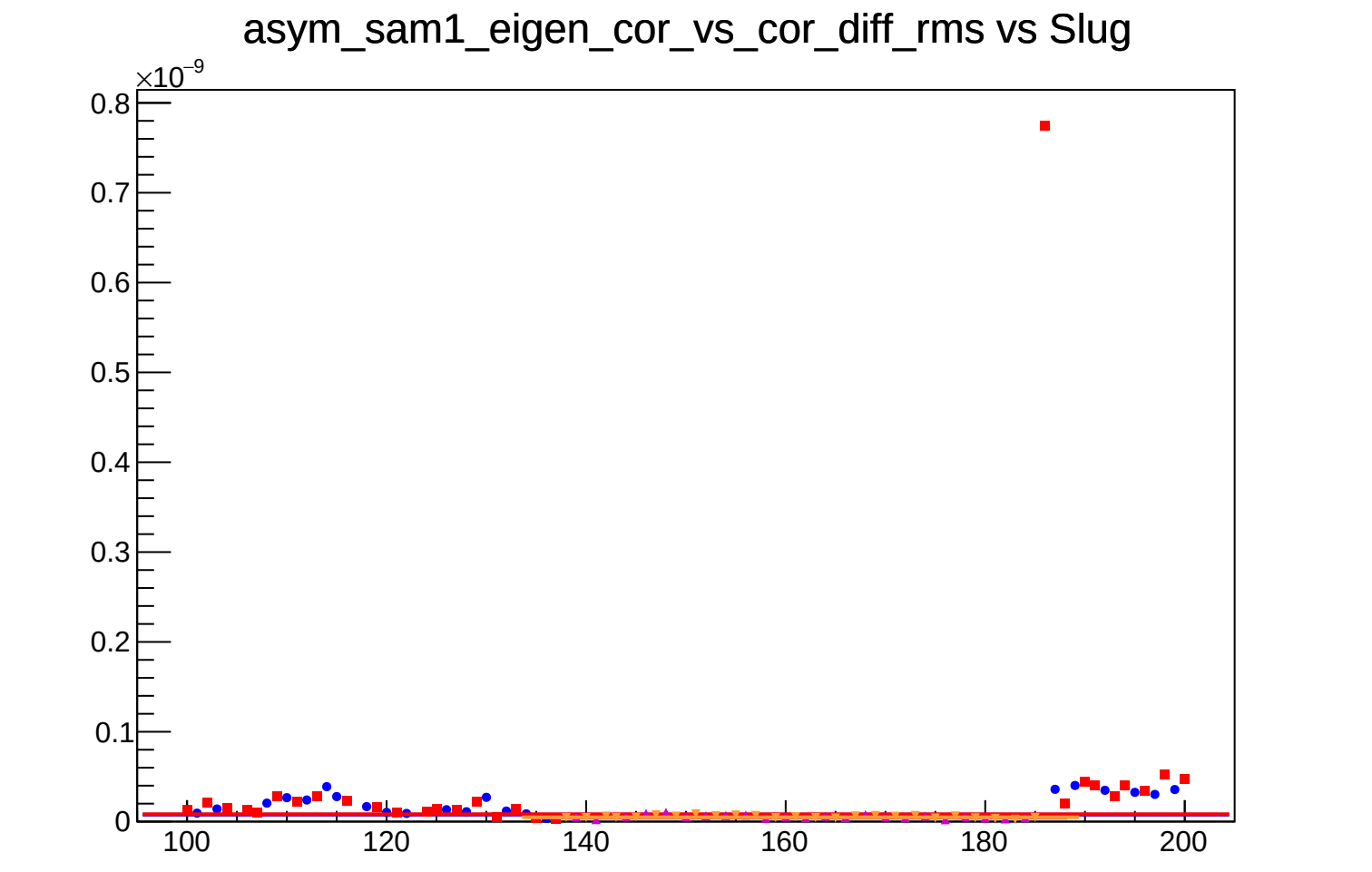
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/27

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/46

All: -0.000+/-0.000 χ^2/NDF: 70.0/97

- sign 0.000+/-0.000 χ^2/NDF: 37.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 6970285.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9501254.9/27

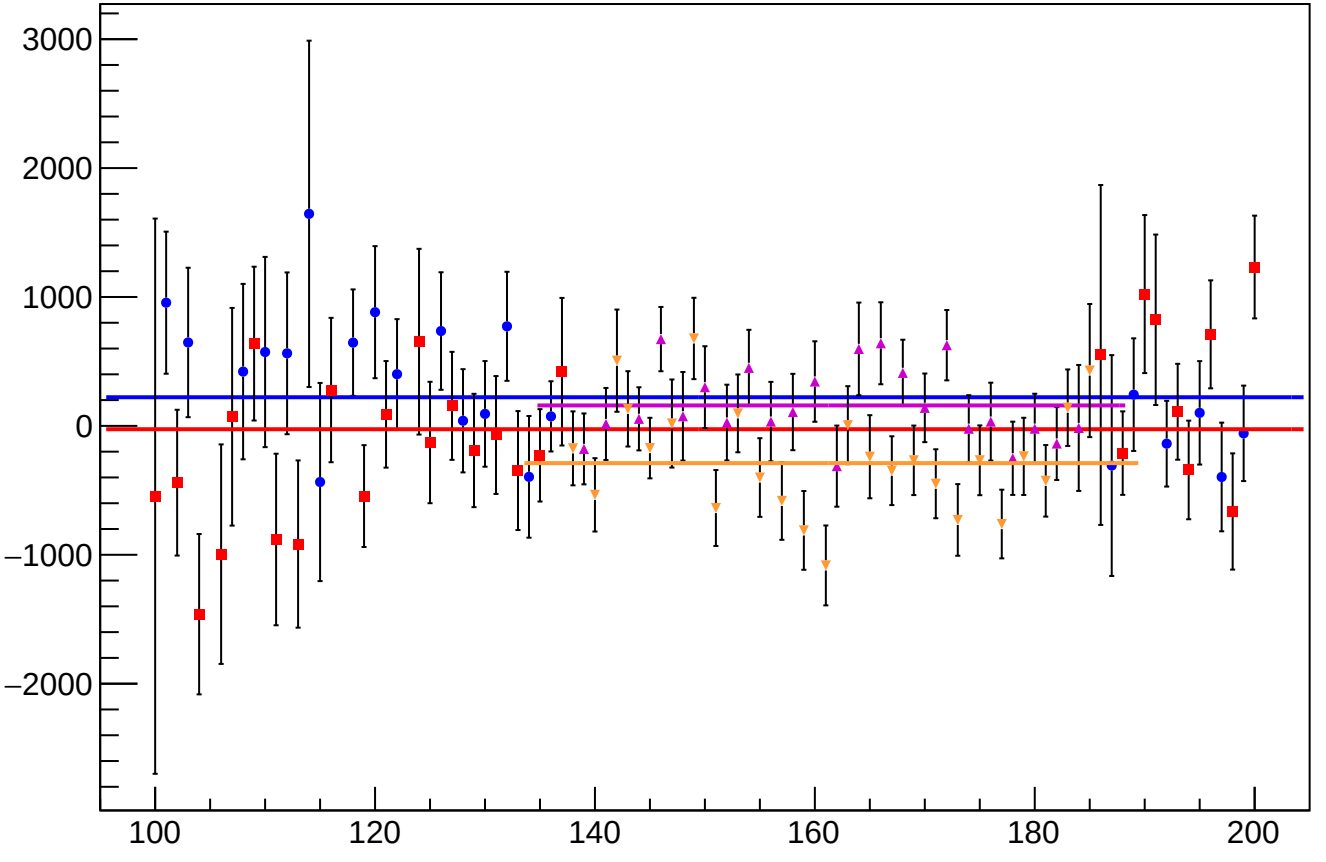
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10172838.2/46

All: 0.000+/-0.000 χ^2/NDF: 25178149.4/97

- sign 0.000+/-0.000 χ^2/NDF: 14895023.4/50

reg_asym_sam2_mean vs Slug



Right In: 222.176+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -25.884+/-93.144 χ^2/NDF: 37.8/27

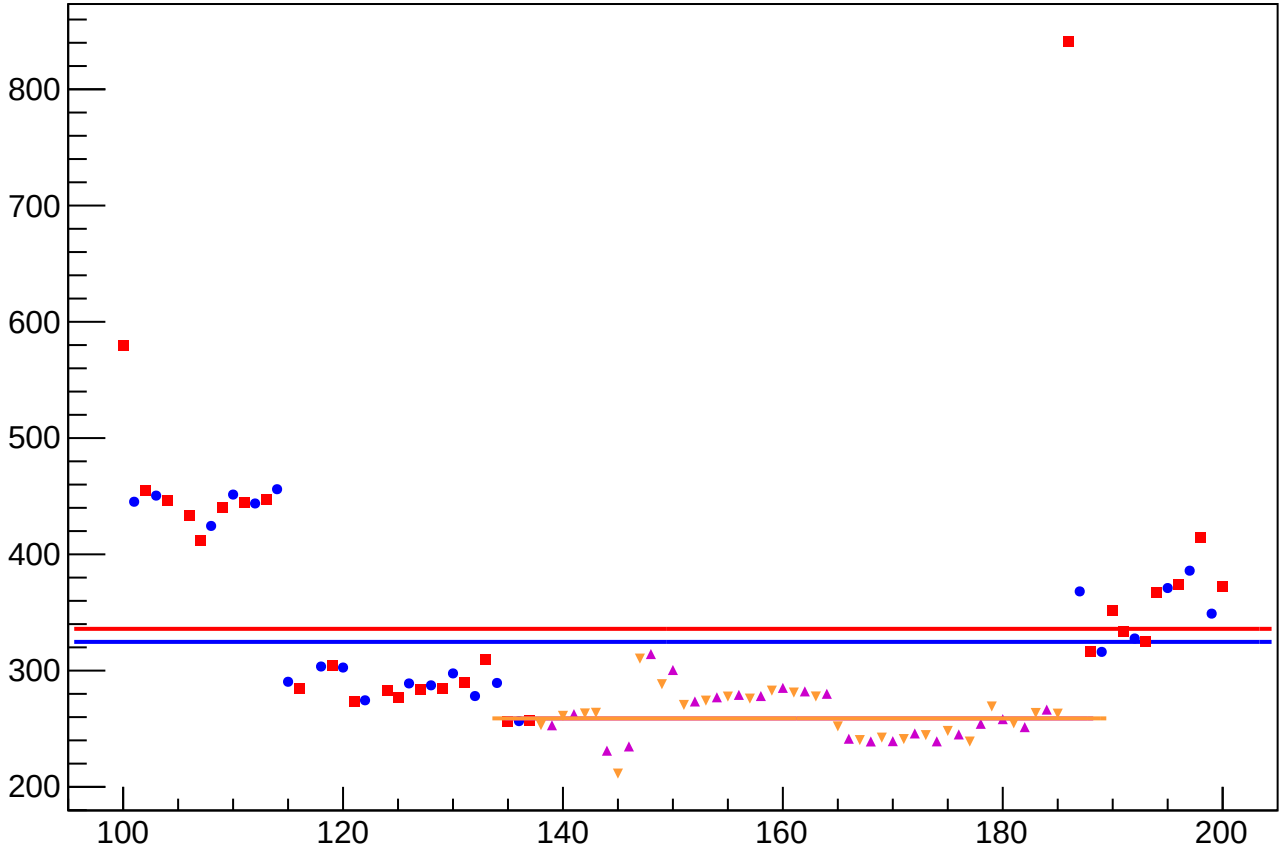
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -151.488+/-50.477 χ^2/NDF: 79.9/46

All: -24.905+/-35.827 χ^2/NDF: 155.6/97

- sign 103.598+/-50.859 χ^2/NDF: 63.0/50

reg_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706225.3/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 335.923+/-0.066 χ^2/NDF: 1144648.1/27

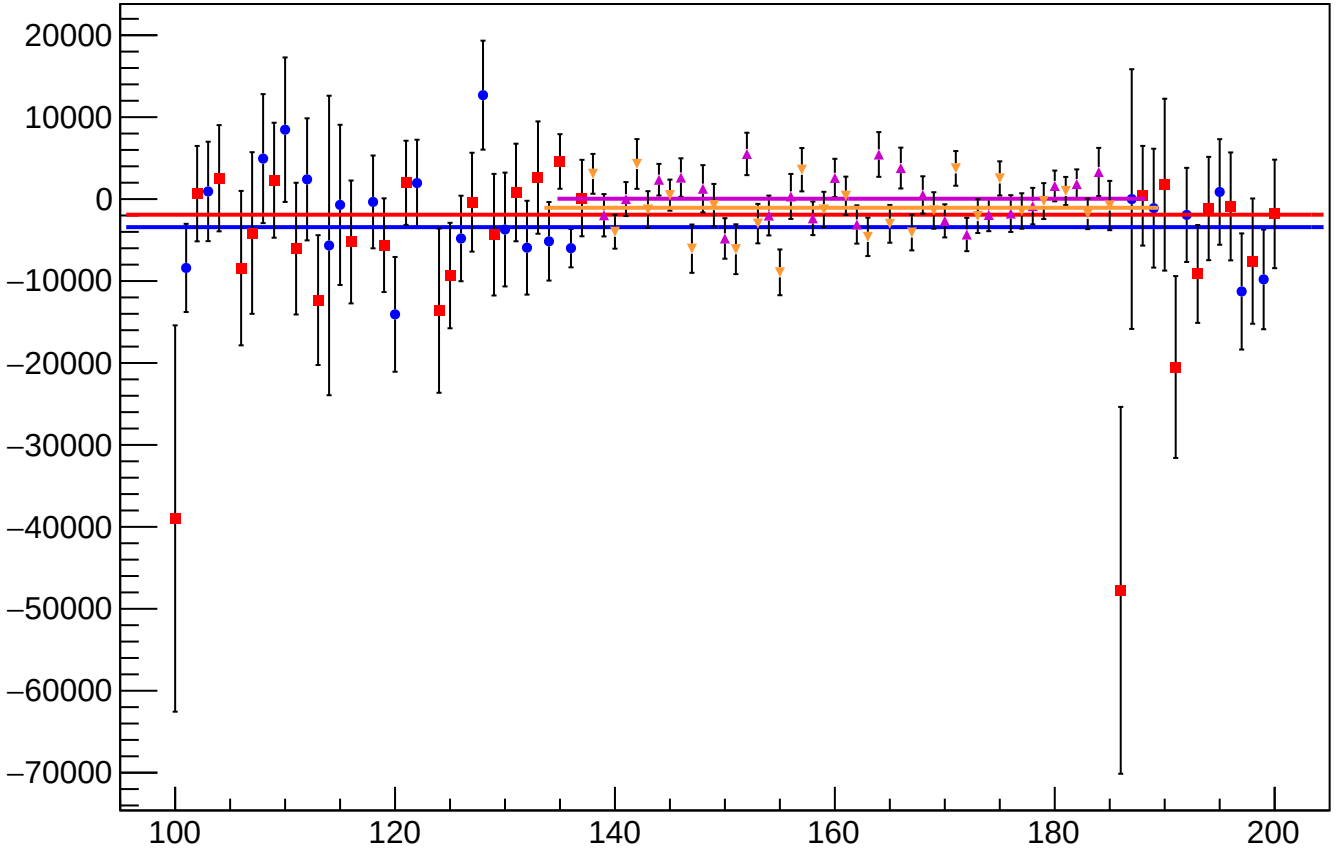
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622864.0/46

All: 279.194+/-0.025 χ^2/NDF: 3984367.3/97

- sign 281.824+/-0.036 χ^2/NDF: 2350885.1/50

asym_sam2_reg_correction_mean vs Slug



Right In: -3422.765+/-1221.746 χ^2/NDF: 19.1/21

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1903.785+/-1247.585 χ^2/NDF: 24.0/27

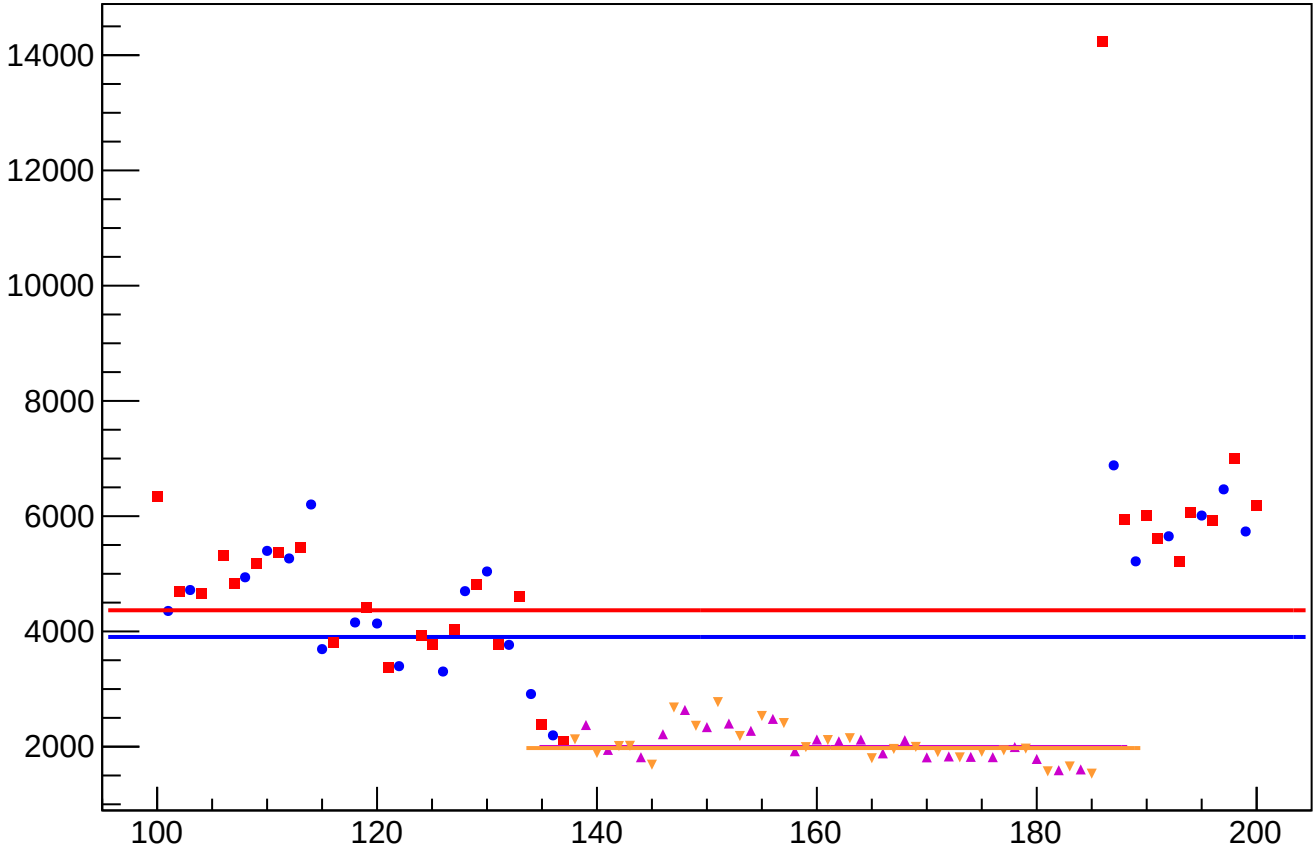
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.726+/-426.105 χ^2/NDF: 63.9/46

All: -791.502+/-306.230 χ^2/NDF: 127.8/97

- sign -198.404+/-440.398 χ^2/NDF: 60.4/50

asym_sam2_reg_correction_rms vs Slug



Right In: 3903.683+/-0.864 χ^2/NDF: 2500199.8/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4366.931+/-0.882 χ^2/NDF: 2756396.6/27

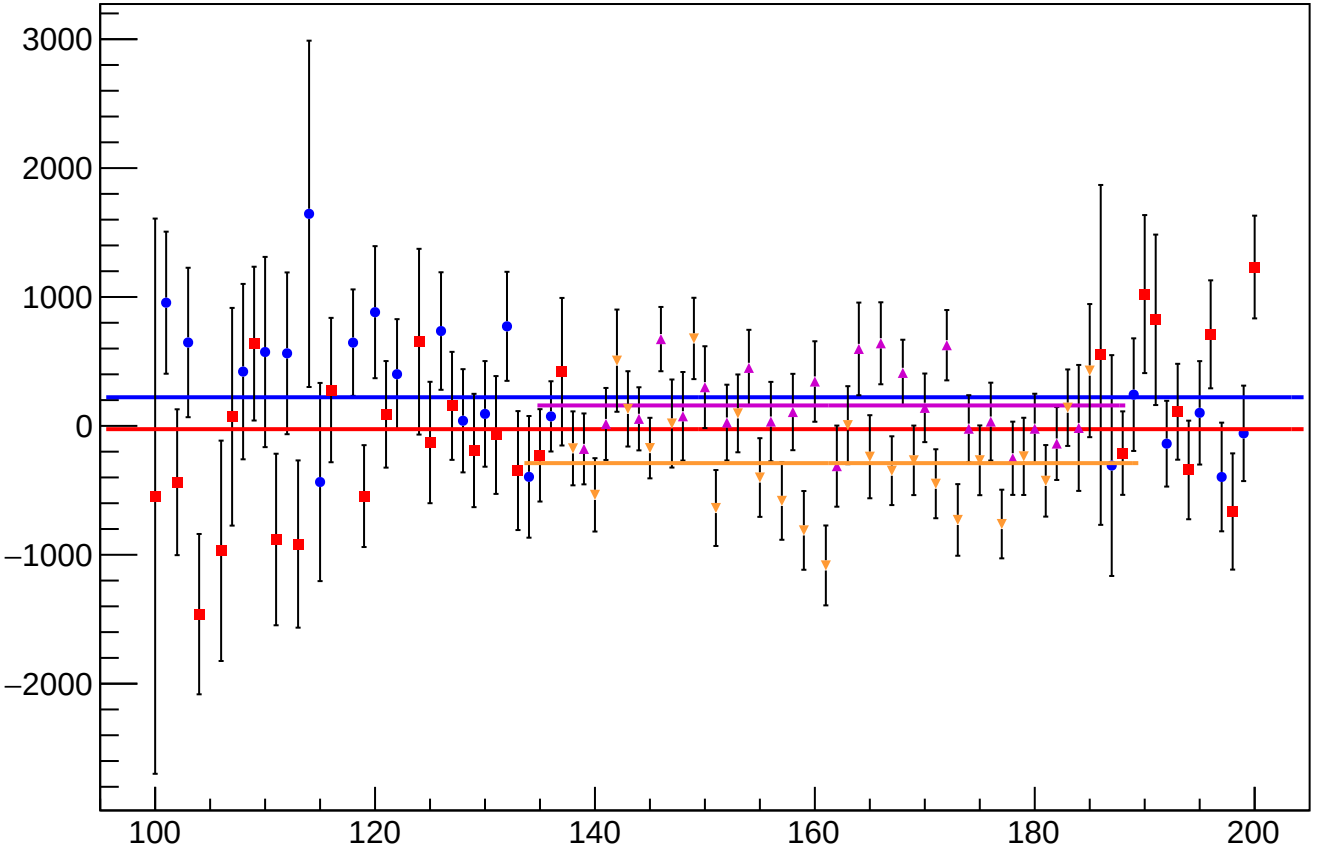
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637012.0/46

All: 2249.085+/-0.217 χ^2/NDF: 17357112.7/9

- sign 2290.354+/-0.311 χ^2/NDF: 9686097.0/50

cor_asym_sam2_mean vs Slug



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -25.375+/-93.149 χ^2/NDF: 37.7/27

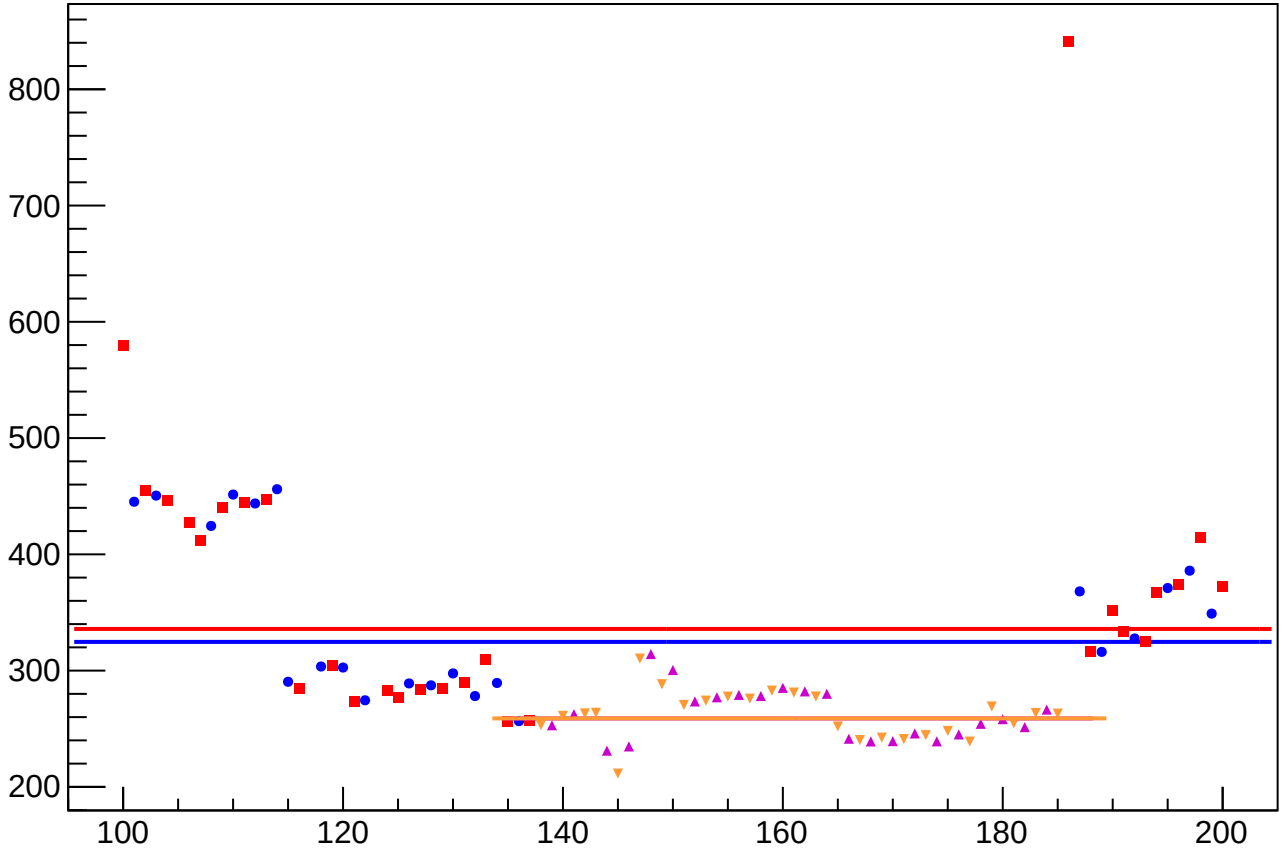
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -151.496+/-50.477 χ^2/NDF: 79.9/46

All: -24.830+/-35.827 χ^2/NDF: 155.5/97

- sign 103.762+/-50.860 χ^2/NDF: 62.9/50

cor_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

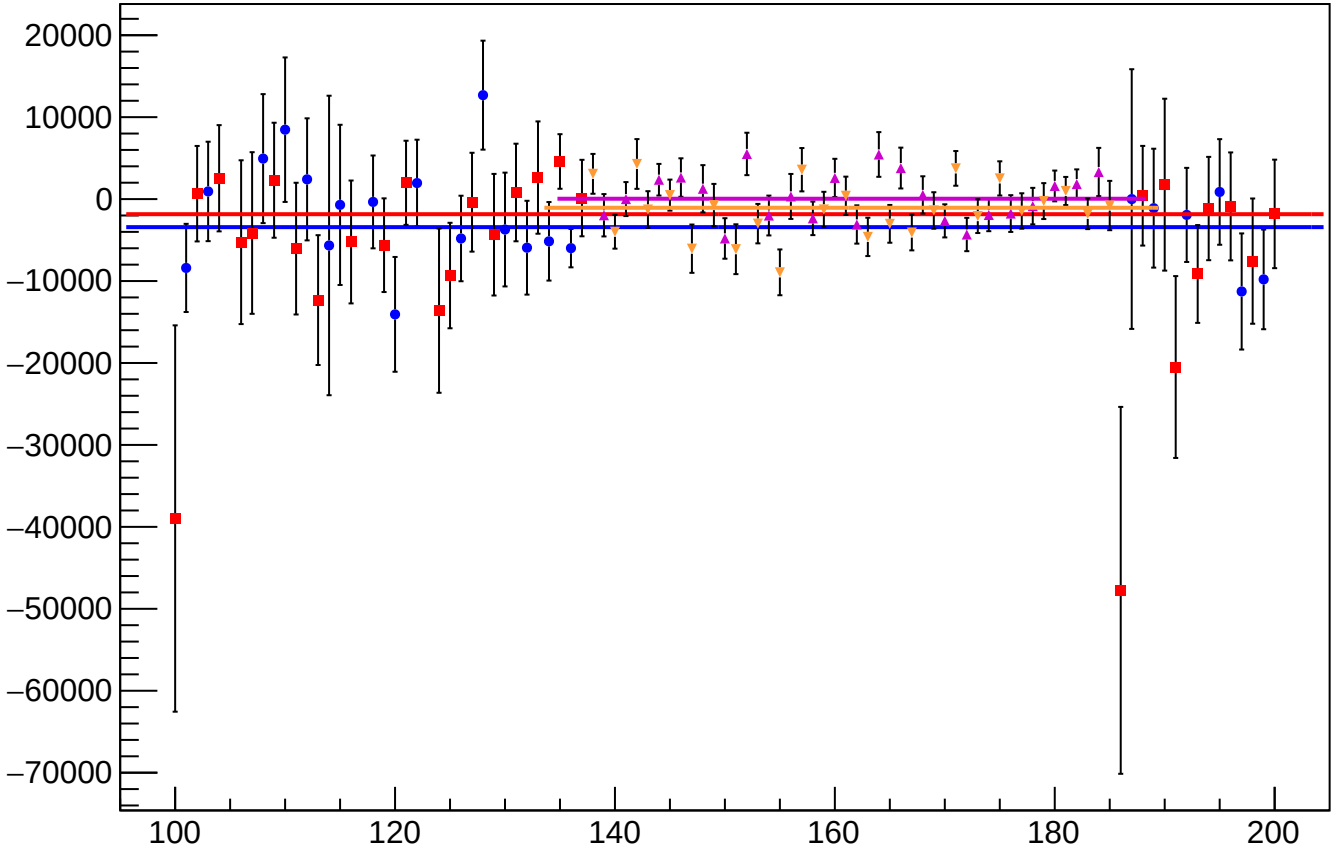
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622865.5/46

All: 279.180+/-0.025 χ^2/NDF: 3978498.2/97

- sign 281.796+/-0.036 χ^2/NDF: 2345127.3/50

asym_sam2_cor_correction_mean vs Slug



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1842.006+/-1248.837 χ^2/NDF: 23.7/27

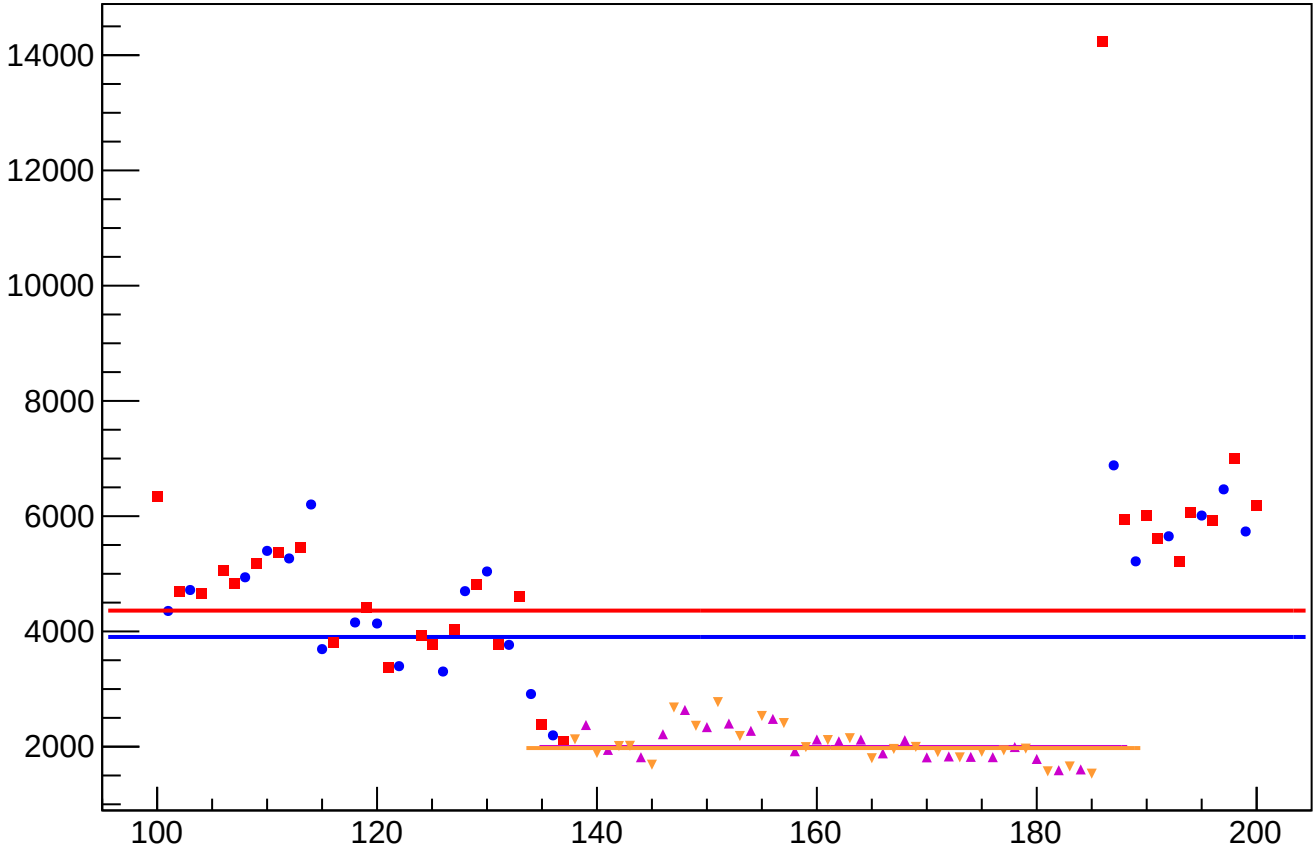
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.722+/-426.105 χ^2/NDF: 63.9/46

All: -787.652+/-306.249 χ^2/NDF: 127.3/97

- sign -190.297+/-440.453 χ^2/NDF: 59.8/50

asym_sam2_cor_correction_rms vs Slug



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

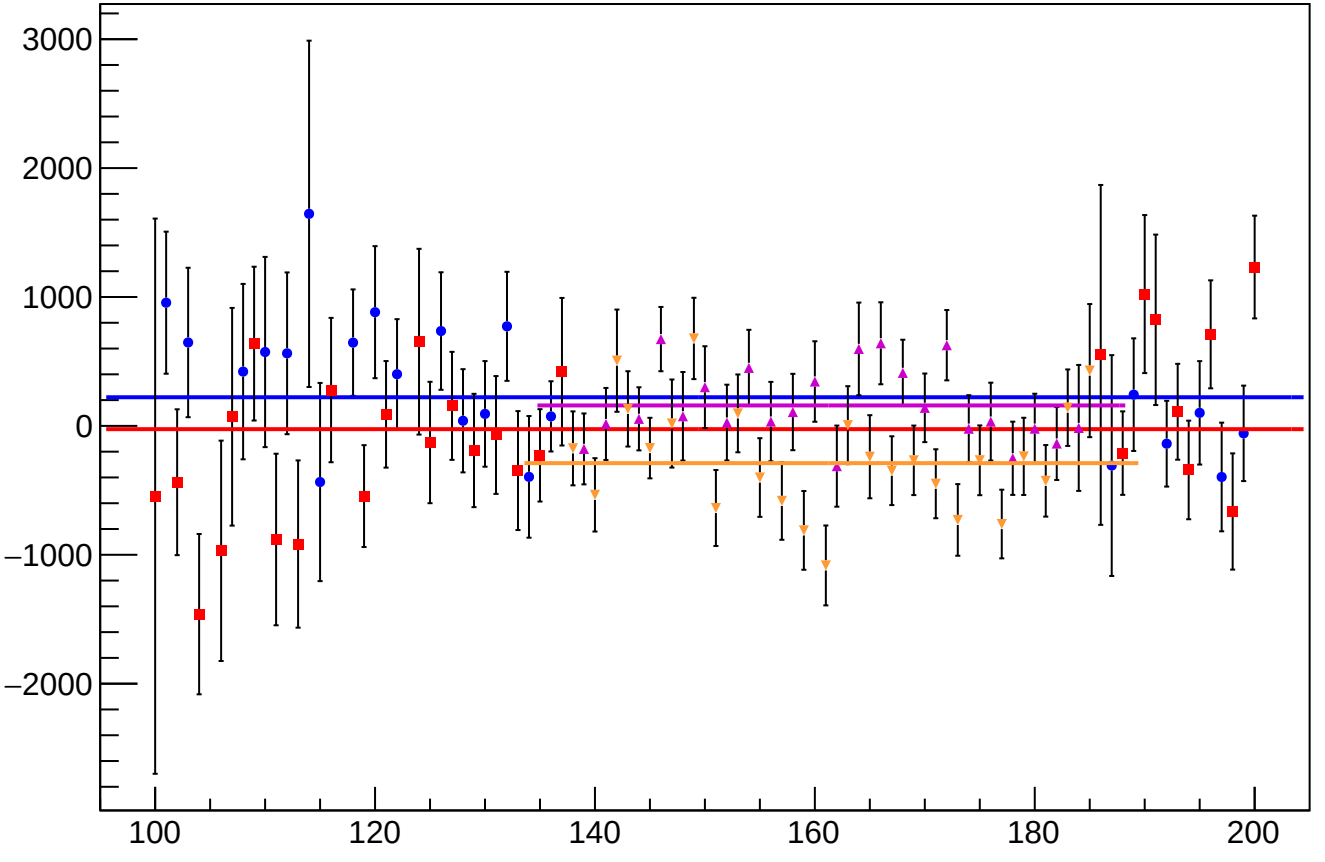
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637032.3/46

All: 2248.494+/-0.217 χ^2/NDF: 17304999.5/9

- sign 2289.141+/-0.311 χ^2/NDF: 9634992.5/50

eigen_cor_asym_sam2_mean vs Slug



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -25.375+/-93.149 χ^2/NDF: 37.7/27

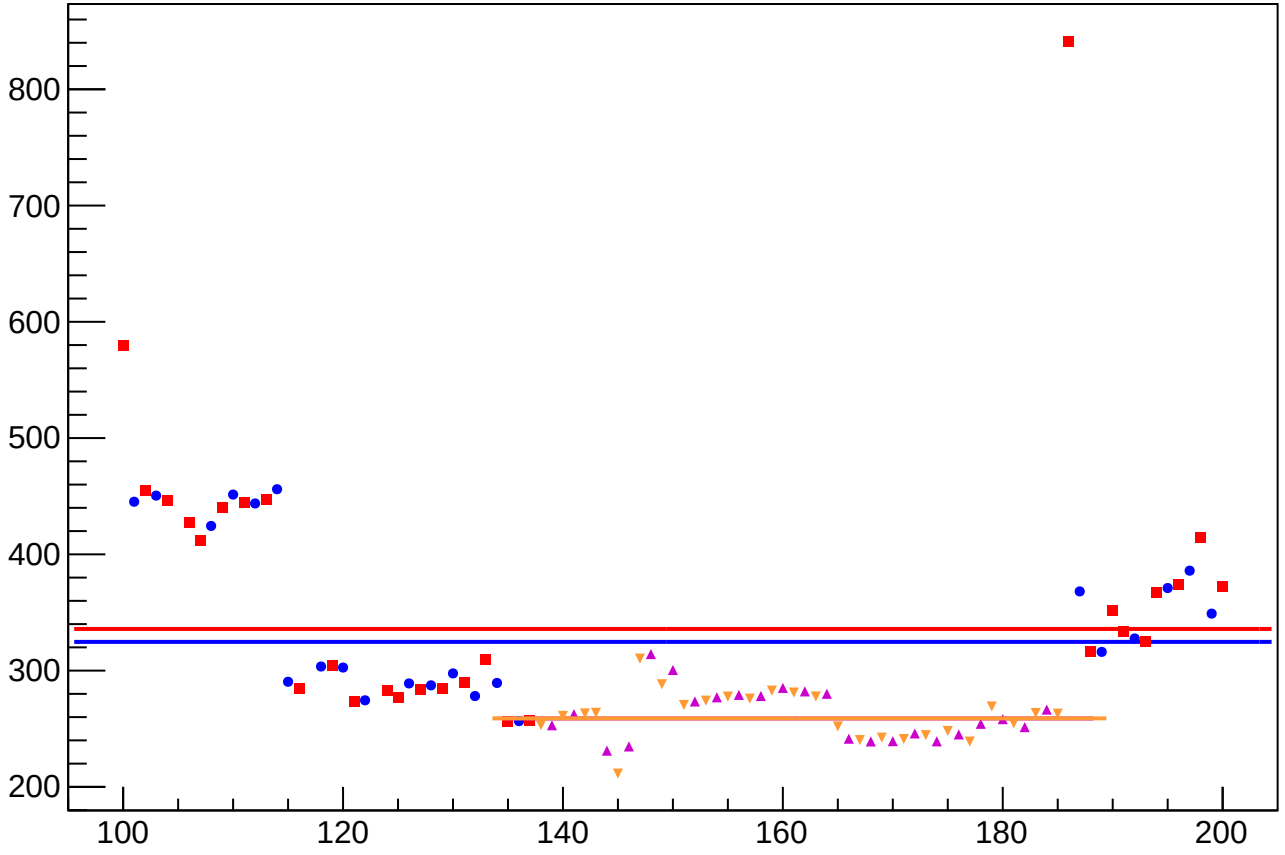
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -151.496+/-50.477 χ^2/NDF: 79.9/46

All: -24.830+/-35.827 χ^2/NDF: 155.5/97

- sign 103.762+/-50.860 χ^2/NDF: 62.9/50

eigen_cor_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

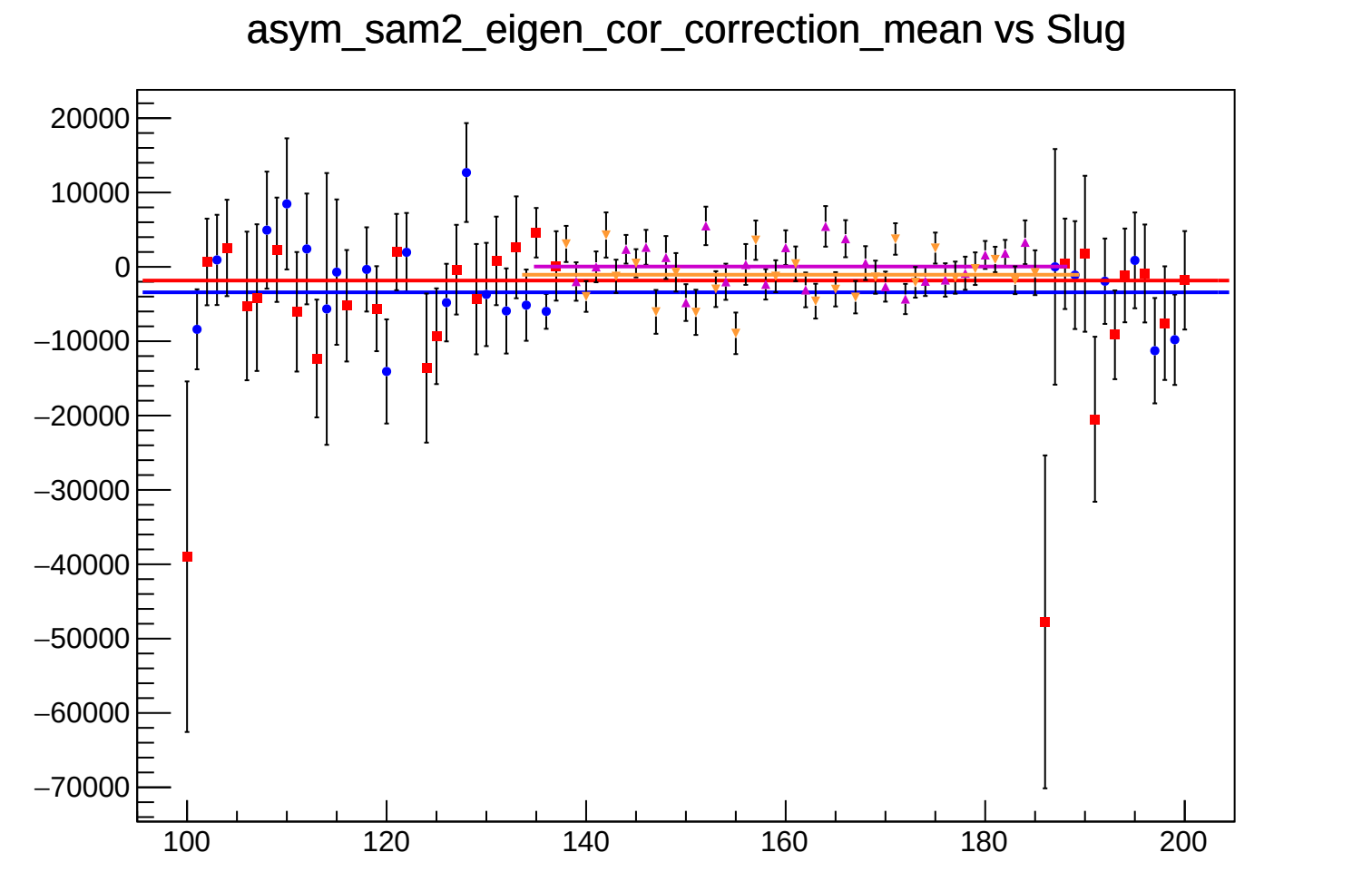
Right Out: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622865.5/46

All: 279.180+/-0.025 χ^2/NDF: 3978498.2/97

- sign 281.796+/-0.036 χ^2/NDF: 2345127.3/50



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1842.006+/-1248.837 χ^2/NDF: 23.7/27

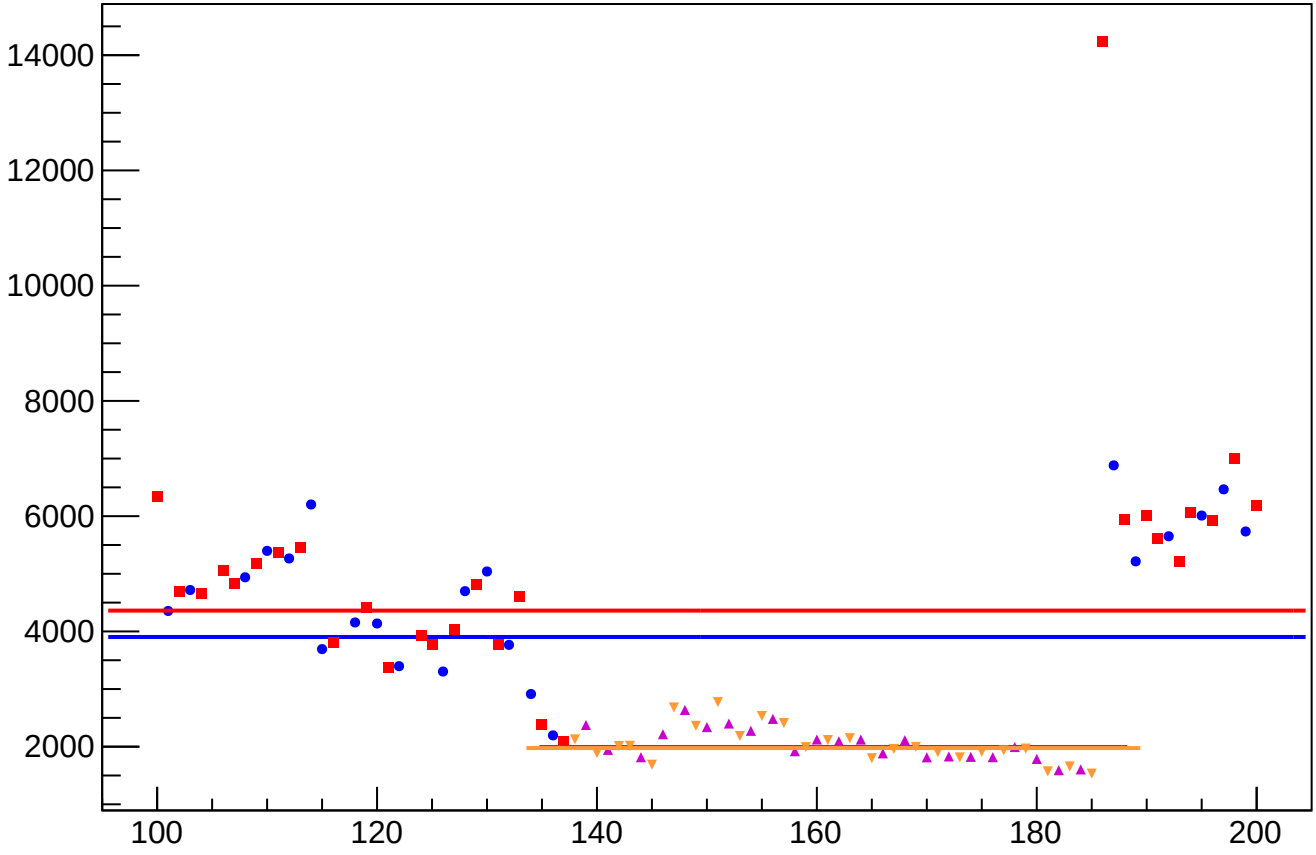
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.722+/-426.105 χ^2/NDF: 63.9/46

All: -787.652+/-306.249 χ^2/NDF: 127.3/97

- sign -190.297+/-440.453 χ^2/NDF: 59.8/50

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

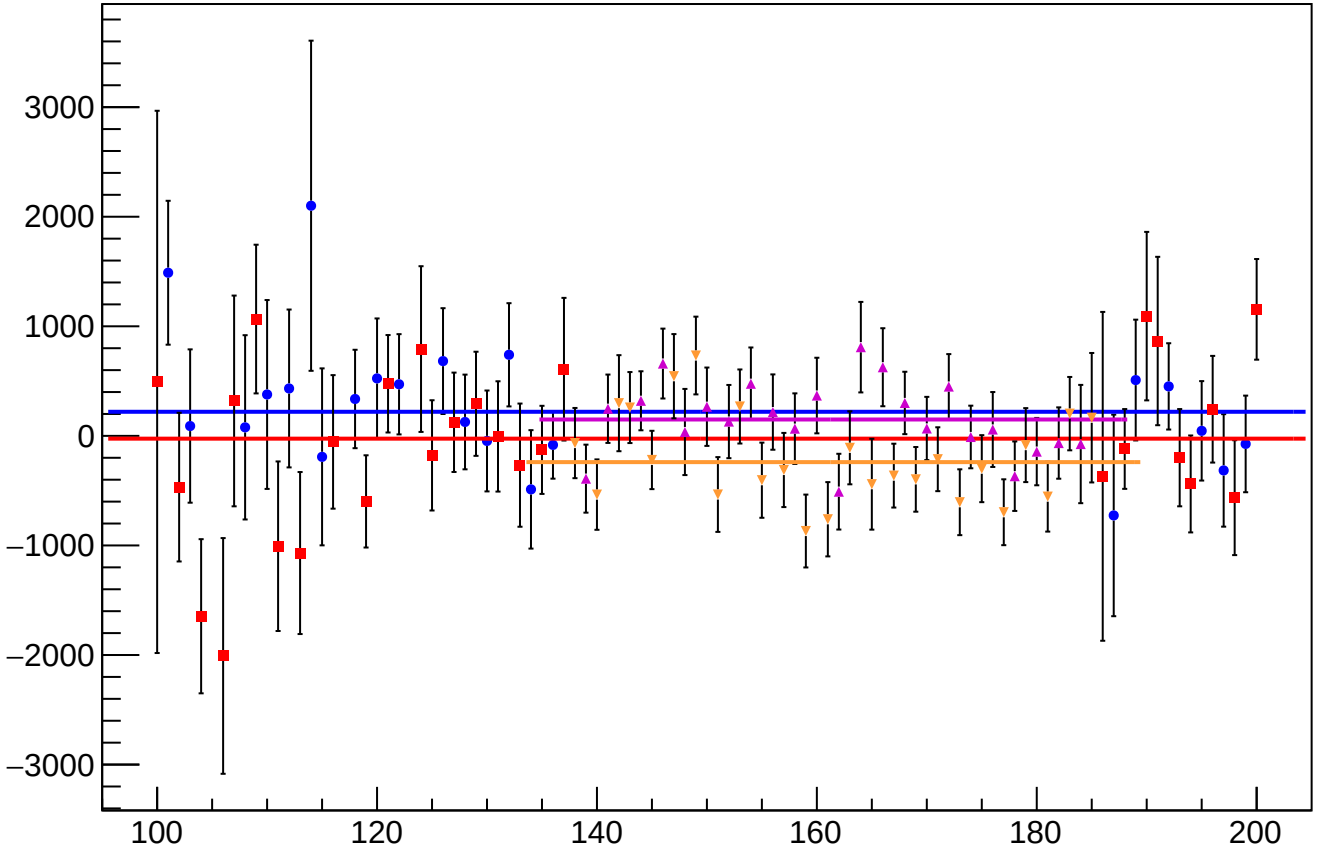
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637032.3/46

All: 2248.494+/-0.217 χ^2/NDF: 17304999.5/9

- sign 2289.141+/-0.311 χ^2/NDF: 9634992.5/50

dit_asym_sam2_mean vs Slug



Right In: 219.887+/-110.672 χ^2/NDF: 15.0/21

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -25.401+/-105.304 χ^2/NDF: 34.2/27

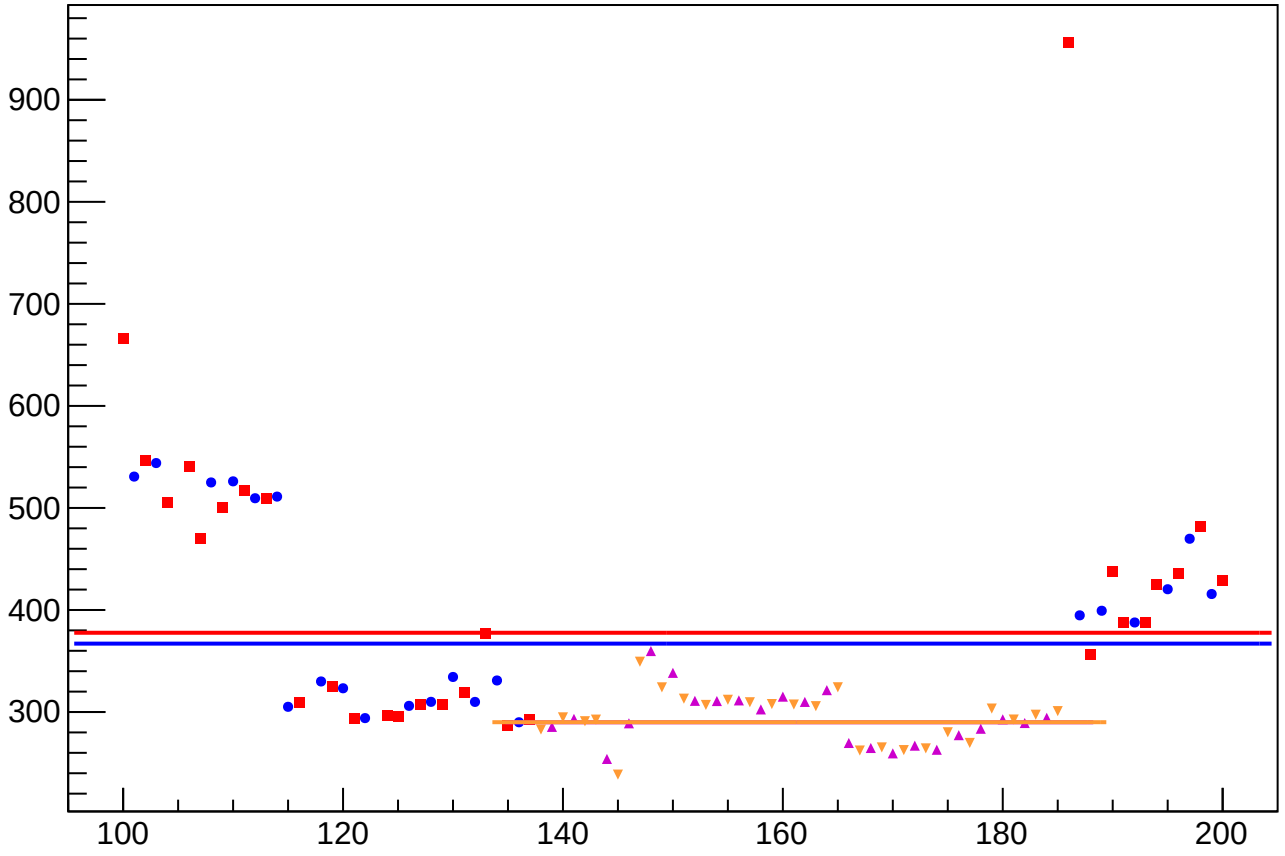
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -118.569+/-56.791 χ^2/NDF: 61.7/46

All: -11.162+/-40.308 χ^2/NDF: 126.8/97

- sign 97.871+/-57.219 χ^2/NDF: 57.9/50

dit_asym_sam2_rms vs Slug



Right In: 367.033+/-0.078 χ^2/NDF: 963264.2/21

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 377.677+/-0.074 χ^2/NDF: 1406750.7/27

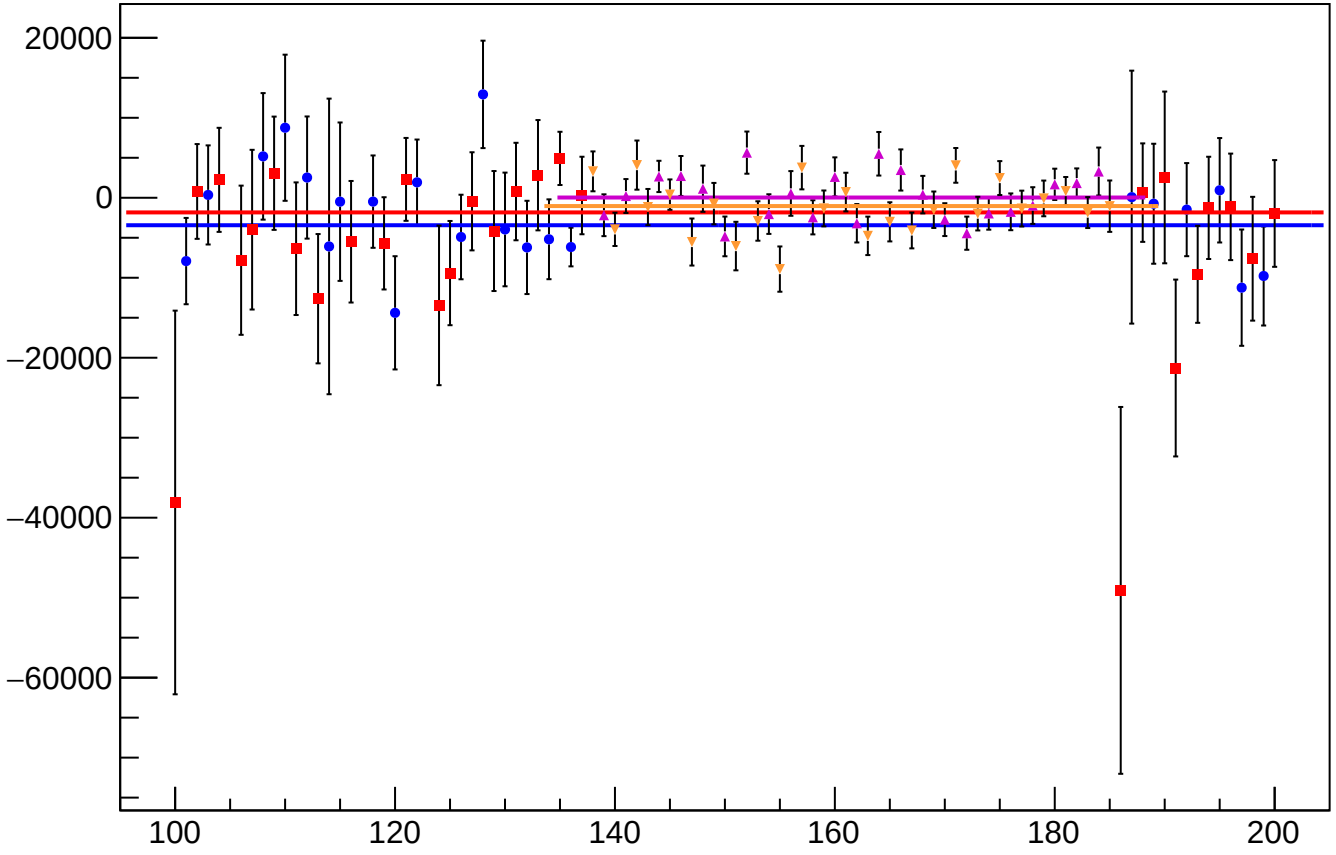
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 310.301+/-0.040 χ^2/NDF: 1957296.3/46

All: 313.053+/-0.029 χ^2/NDF: 4621604.5/97

- sign 315.846+/-0.040 χ^2/NDF: 2654848.5/50

asym_sam2_dit_correction_mean vs Slug



Right In: -3433.742+/-1248.322 χ^2/NDF: 19.0/21

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1831.196+/-1262.692 χ^2/NDF: 24.9/27

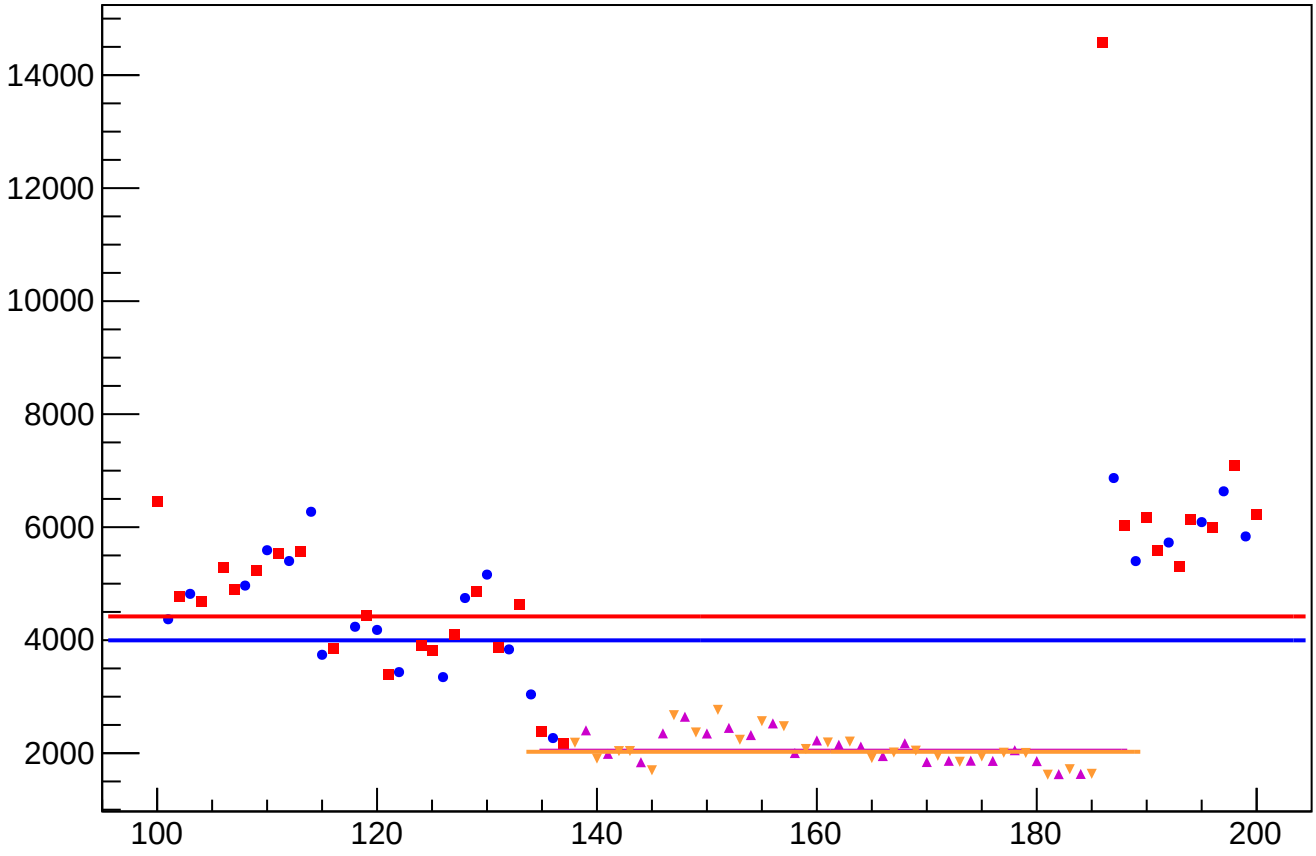
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1329.039+/-436.017 χ^2/NDF: 62.5/46

All: -786.200+/-313.318 χ^2/NDF: 126.6/97

- sign -206.606+/-450.536 χ^2/NDF: 60.9/50

asym_sam2_dit_correction_rms vs Slug



Right In: 3997.164+/-0.883 χ^2/NDF: 2426961.2/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4420.384+/-0.893 χ^2/NDF: 2759258.2/27

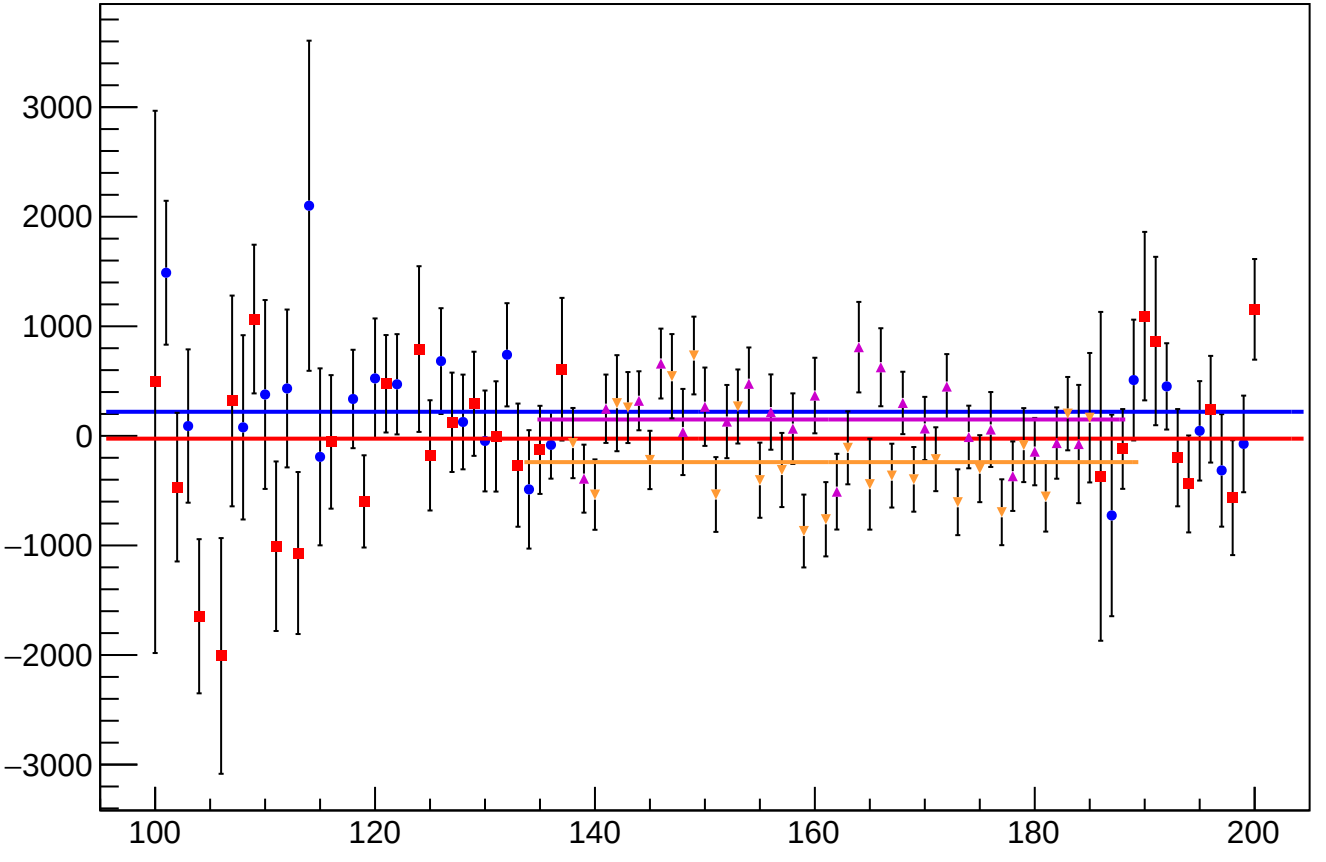
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2265.675+/-0.308 χ^2/NDF: 7510270.1/46

All: 2305.003+/-0.222 χ^2/NDF: 17067360.0/9

- sign 2346.994+/-0.319 χ^2/NDF: 9523444.3/50

eigen_dit_asym_sam2_mean vs Slug



Right In: 219.891+/-110.671 χ^2/NDF: 15.0/21

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -25.402+/-105.304 χ^2/NDF: 34.2/27

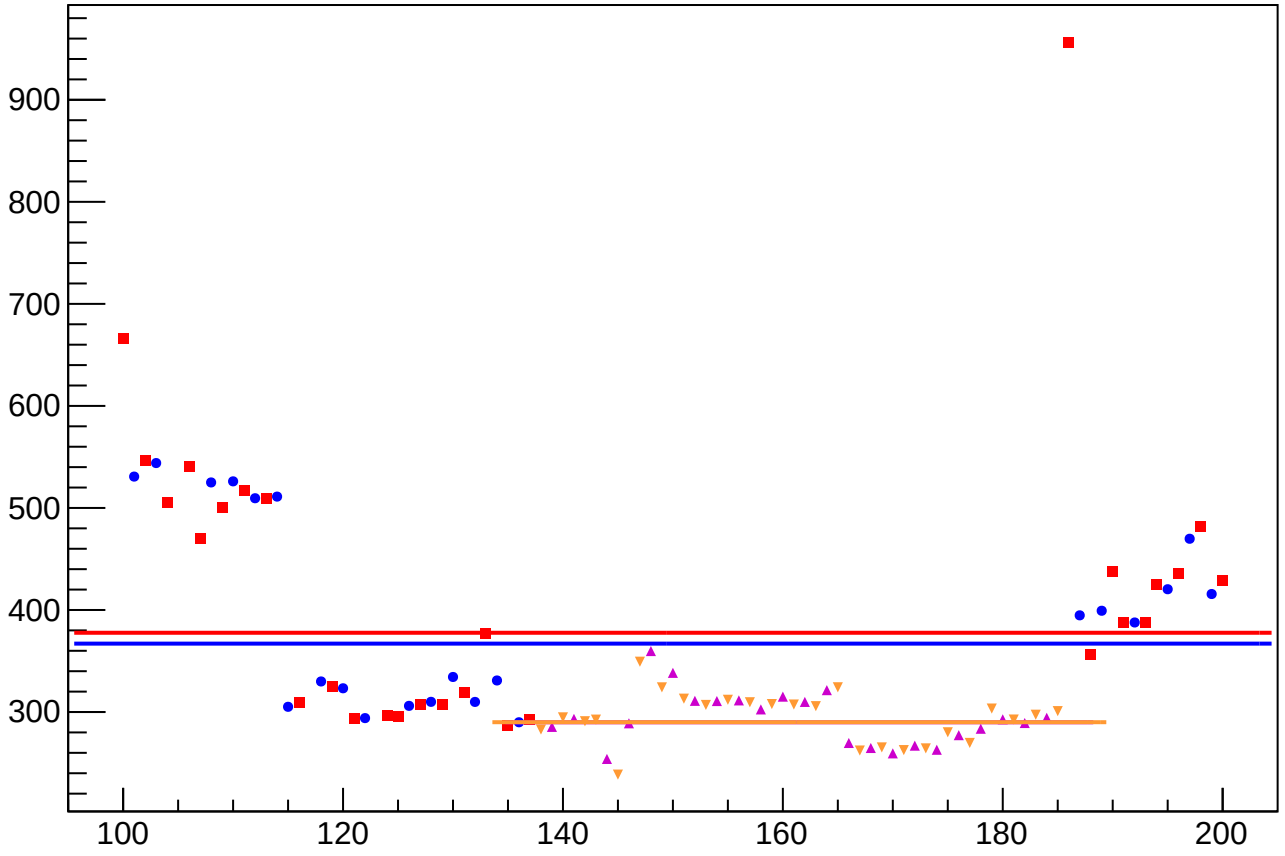
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -118.570+/-56.791 χ^2/NDF: 61.7/46

All: -11.162+/-40.308 χ^2/NDF: 126.8/97

- sign 97.871+/-57.219 χ^2/NDF: 57.9/50

eigen_dit_asym_sam2_rms vs Slug



Right In: 367.031+/-0.078 χ^2/NDF: 963265.6/21

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 377.676+/-0.074 χ^2/NDF: 1406744.2/27

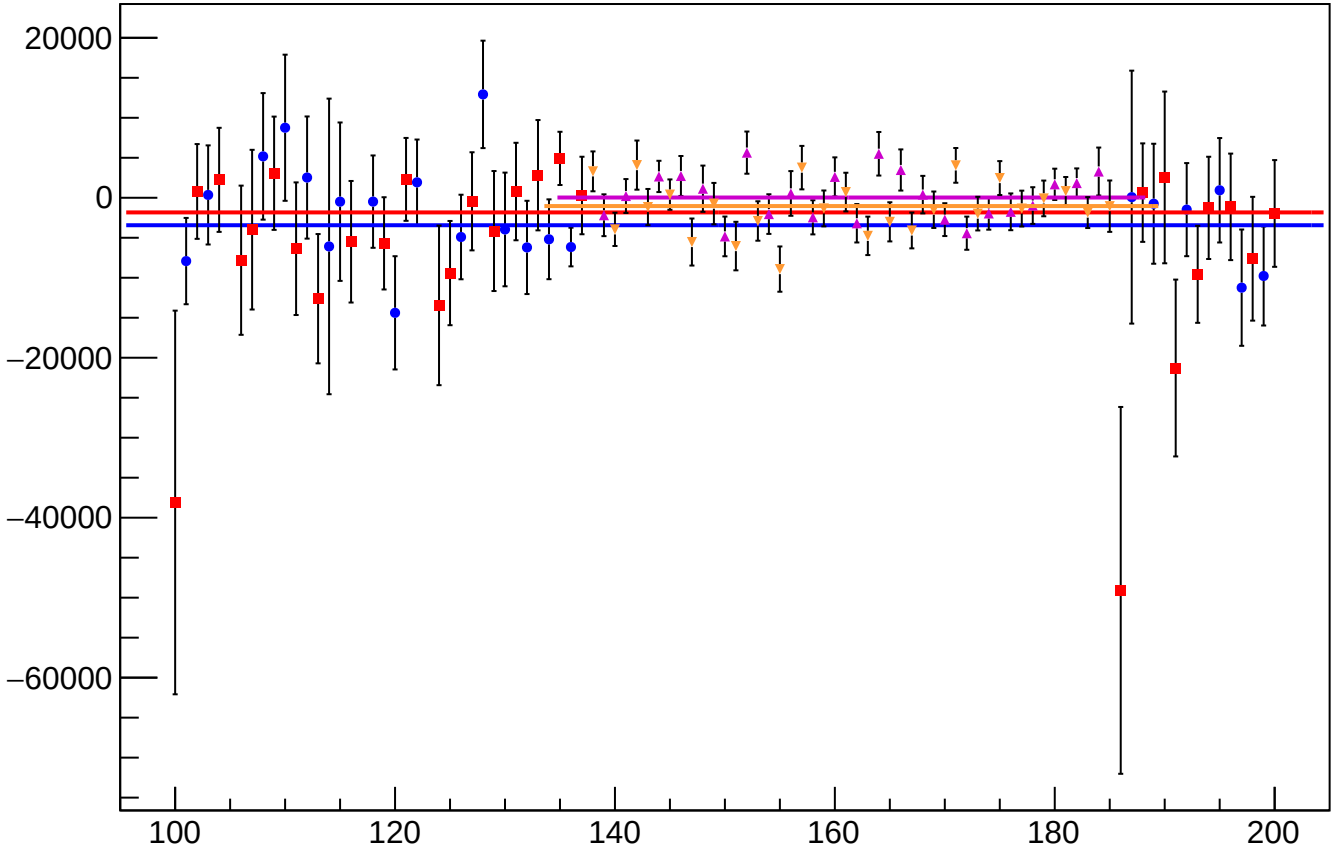
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 310.301+/-0.040 χ^2/NDF: 1957277.3/46

All: 313.052+/-0.029 χ^2/NDF: 4621566.1/97

- sign 315.845+/-0.040 χ^2/NDF: 2654828.9/50

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3433.735+/-1248.321 χ^2/NDF: 19.0/21

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1831.197+/-1262.691 χ^2/NDF: 24.9/27

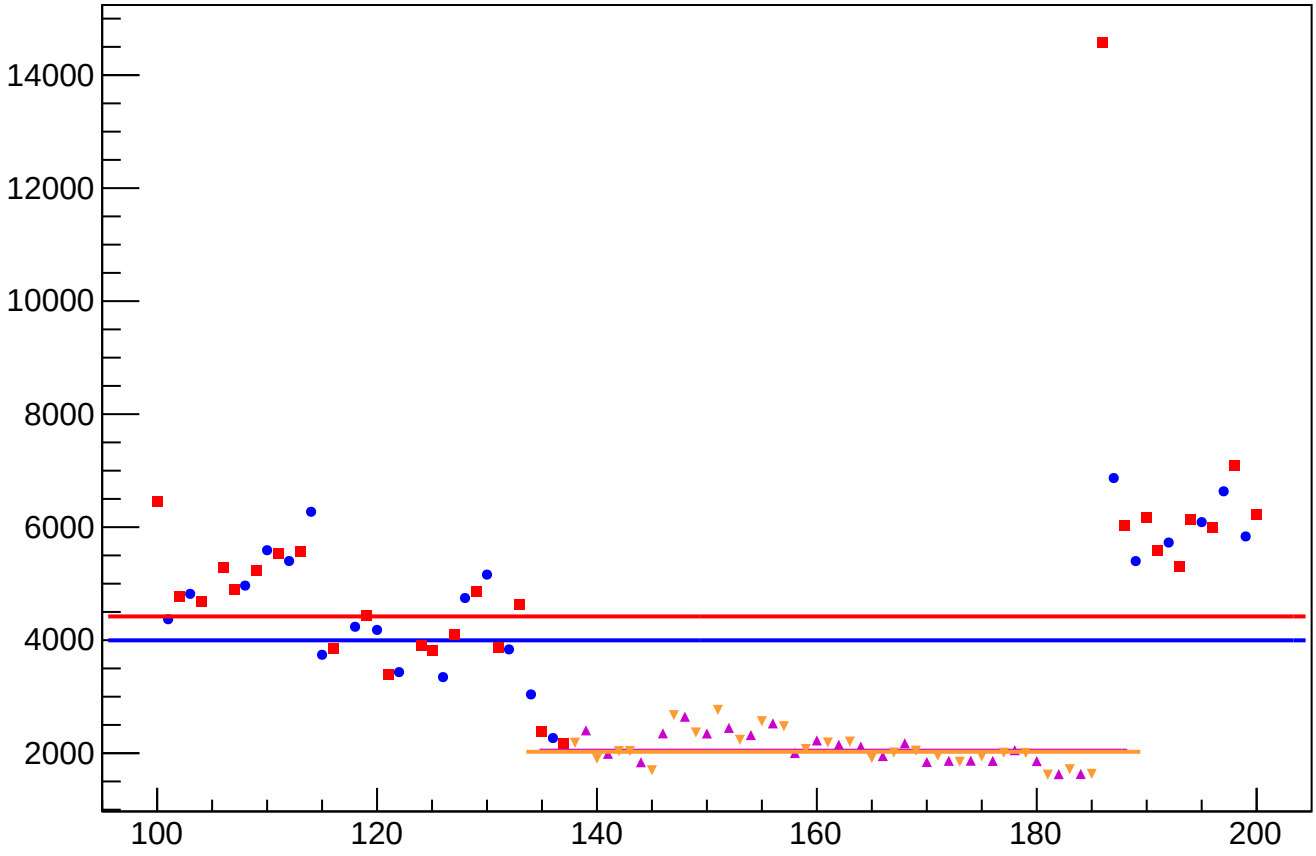
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1329.038+/-436.017 χ^2/NDF: 62.5/46

All: -786.201+/-313.318 χ^2/NDF: 126.6/97

- sign -206.608+/-450.536 χ^2/NDF: 60.9/50

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3997.160+/-0.883 χ^2/NDF: 2426950.9/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4420.380+/-0.893 χ^2/NDF: 2759254.4/27

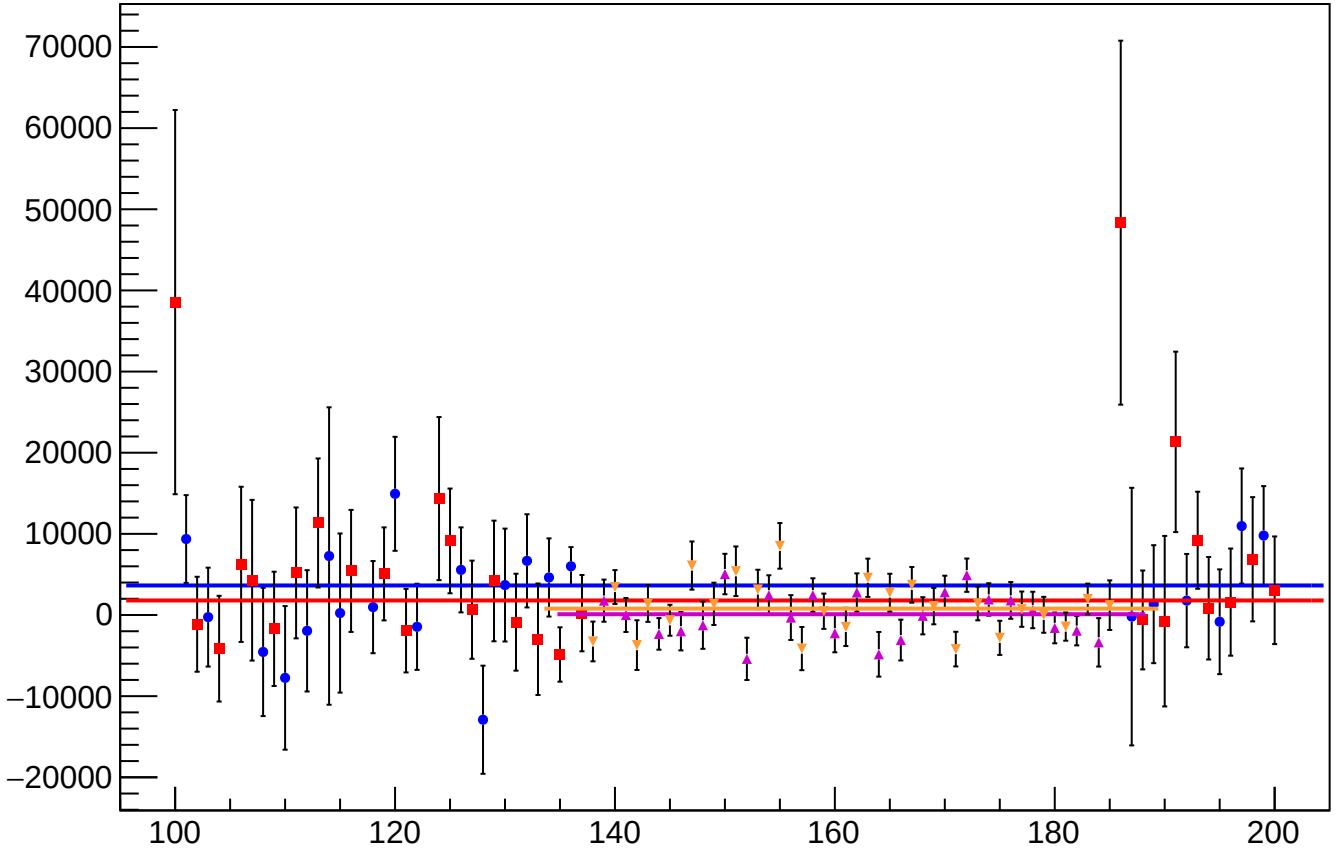
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2265.675+/-0.308 χ^2/NDF: 7510254.3/46

All: 2305.003+/-0.222 χ^2/NDF: 17067333.0/9

- sign 2346.994+/-0.319 χ^2/NDF: 9523433.5/50

asym_sam2_mean vs Slug



Right In: 3641.441+/-1226.971 χ^2/NDF: 19.2/21

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1792.414+/-1252.246 χ^2/NDF: 24.1/27

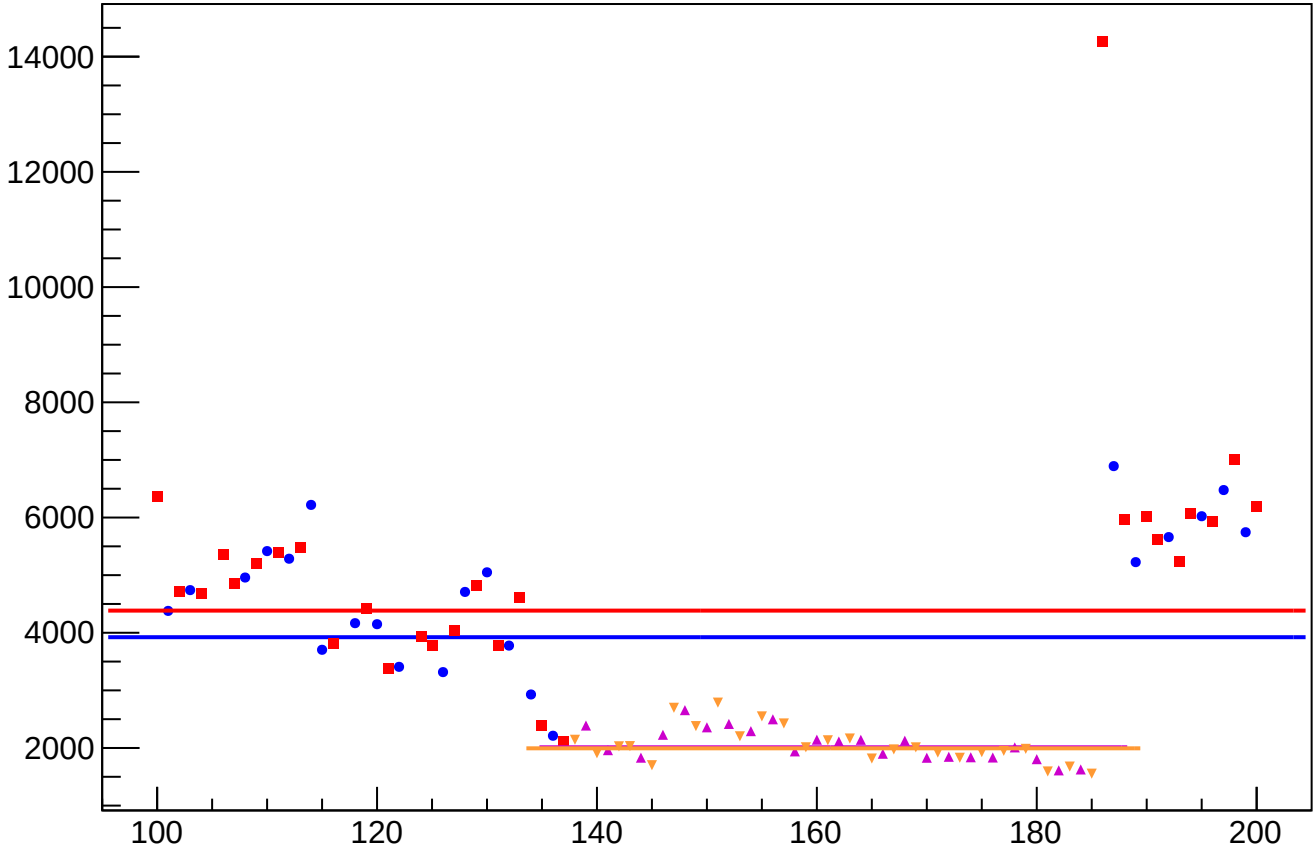
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1138.216+/-429.678 χ^2/NDF: 65.2/46

All: 737.606+/-308.761 χ^2/NDF: 125.6/97

- sign 309.883+/-443.980 χ^2/NDF: 58.6/50

asym_sam2_rms vs Slug



Right In: 3923.007+/-0.868 χ^2/NDF: 2474289.3/21

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

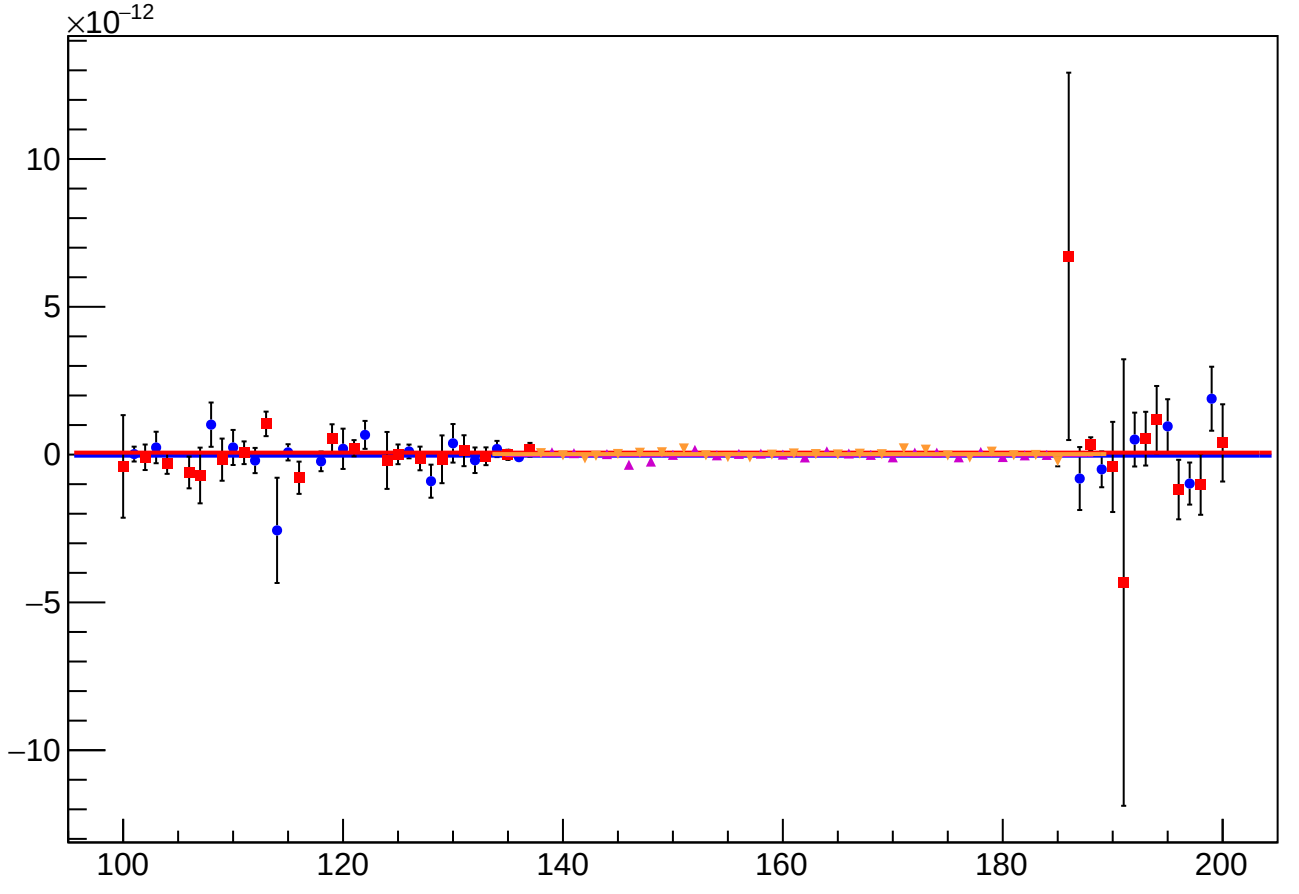
Right Out: 4384.608+/-0.885 χ^2/NDF: 2735604.1/27

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2230.781+/-0.304 χ^2/NDF: 7556876.7/46

All: 2269.505+/-0.218 χ^2/NDF: 17186803.8/9

- sign 2310.850+/-0.314 χ^2/NDF: 9596339.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

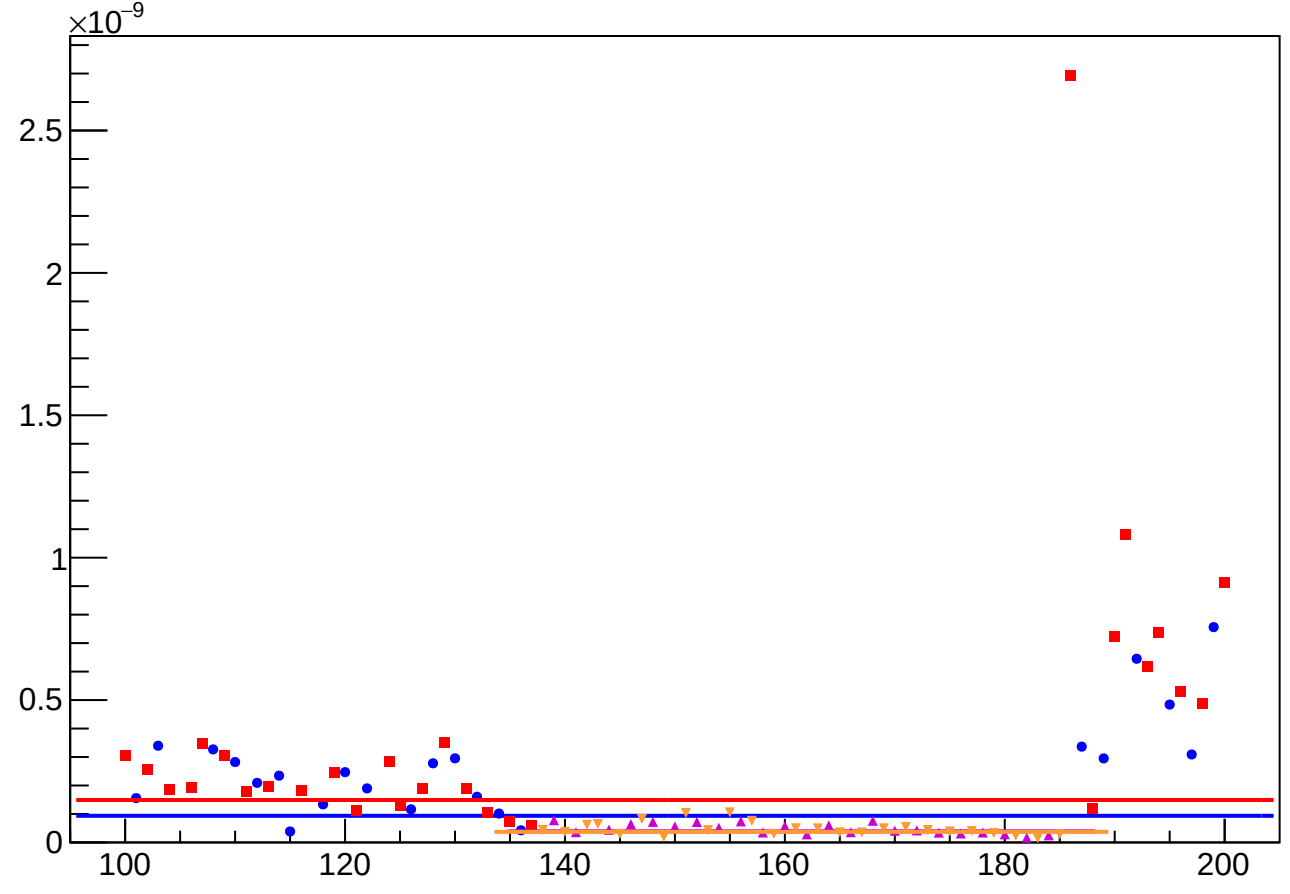
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/27

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/46

All: 0.000+/-0.000 χ^2/NDF: 95.3/97

- sign -0.000+/-0.000 χ^2/NDF: 52.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 5116445.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

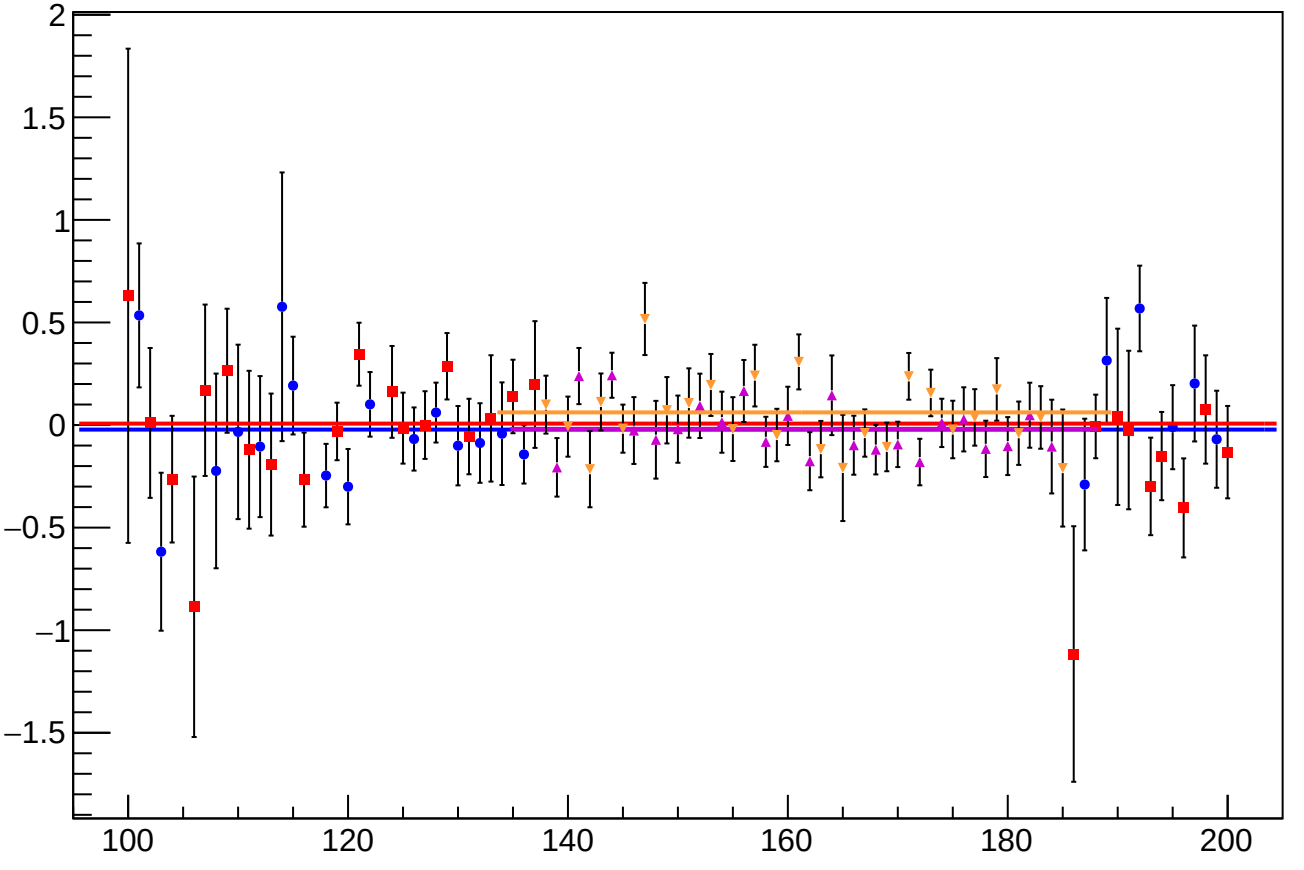
Right Out: 0.000+/-0.000 χ^2/NDF: 4393413.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9112902.0/46

All: 0.000+/-0.000 χ^2/NDF: 19228118.1/97

- sign 0.000+/-0.000 χ^2/NDF: 10078766.7/50



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.007+/-0.044 χ^2/NDF: 24.0/27

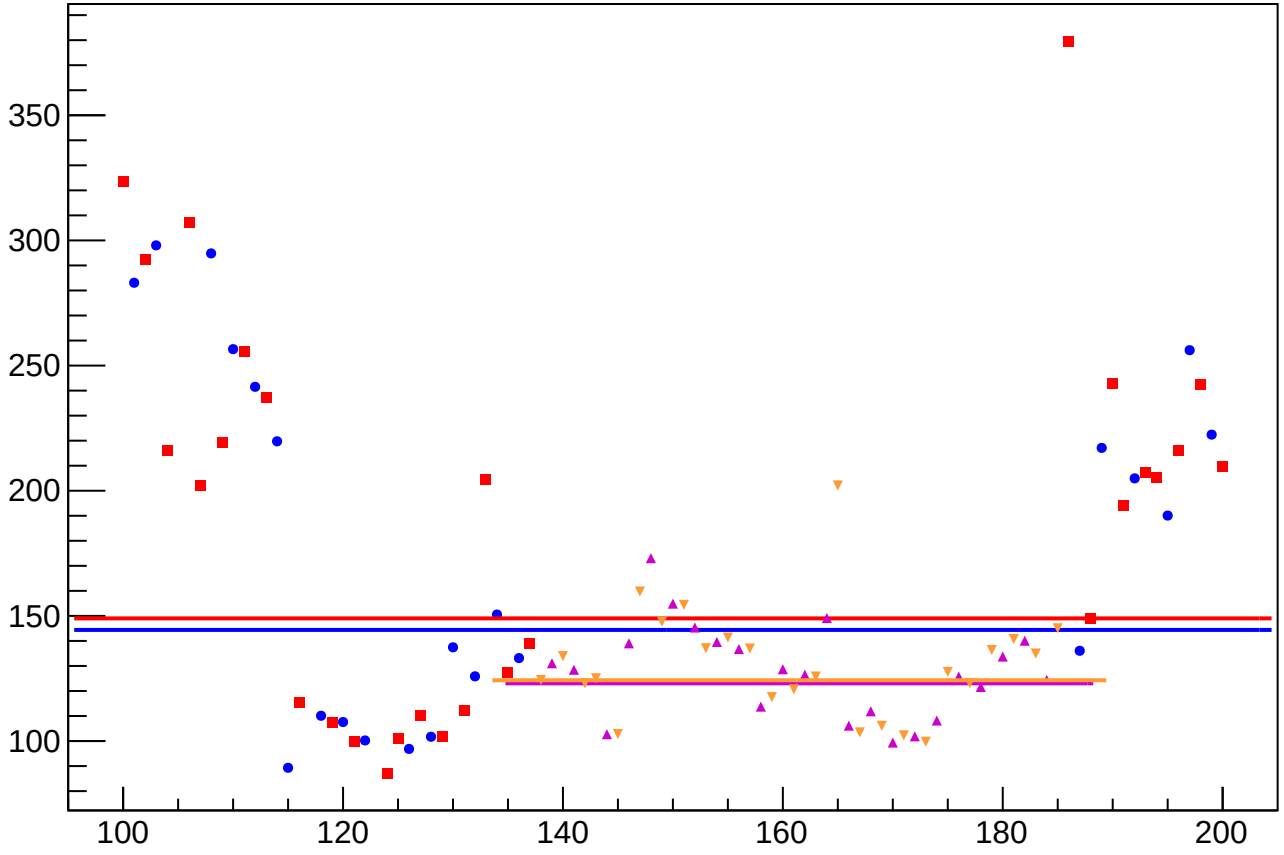
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.014+/-0.017 χ^2/NDF: 100.2/97

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

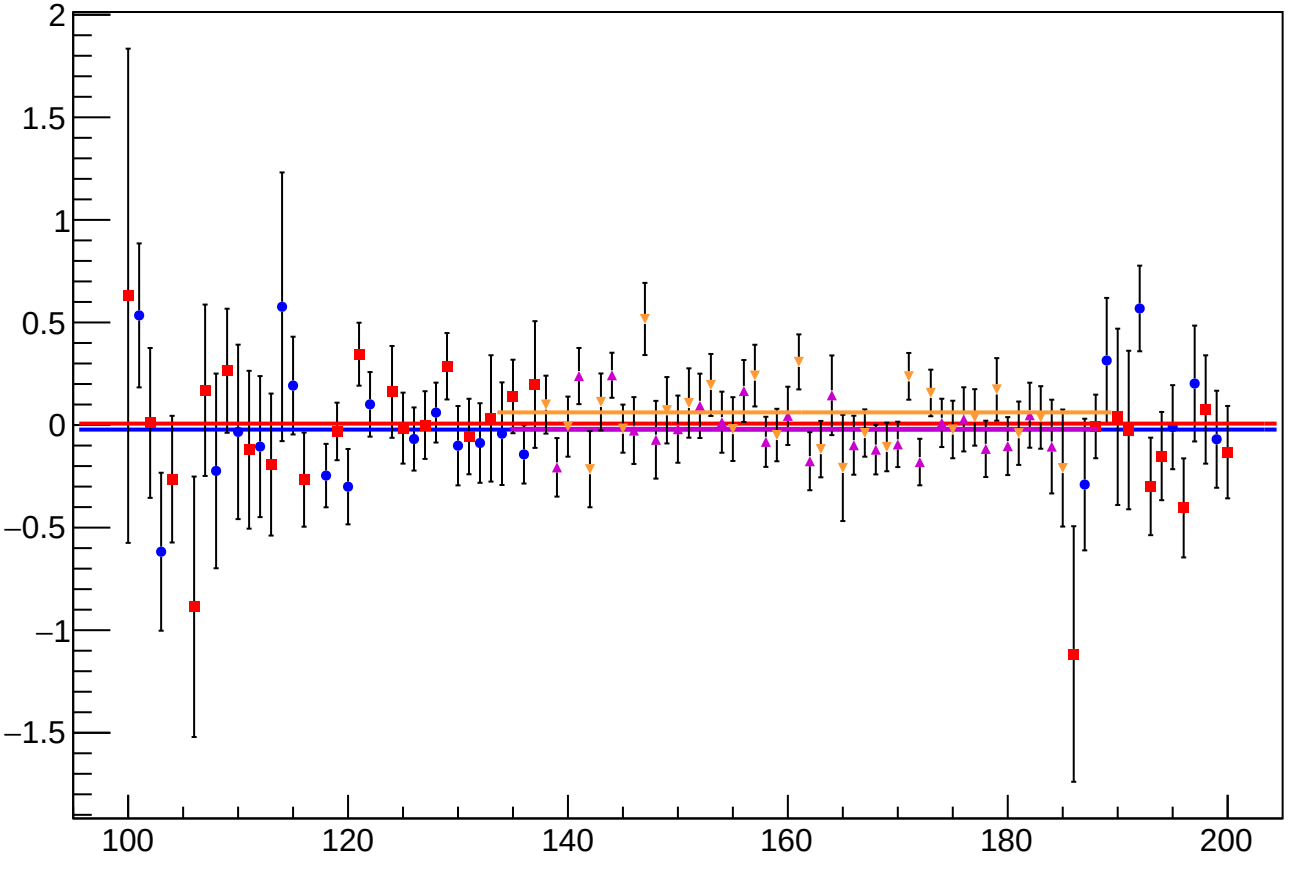
Right Out: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025607.5/46

All: 130.503+/-0.012 χ^2/NDF: 8614293.7/97

- sign 131.102+/-0.017 χ^2/NDF: 4586268.6/50



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.007+/-0.044 χ^2/NDF: 24.0/27

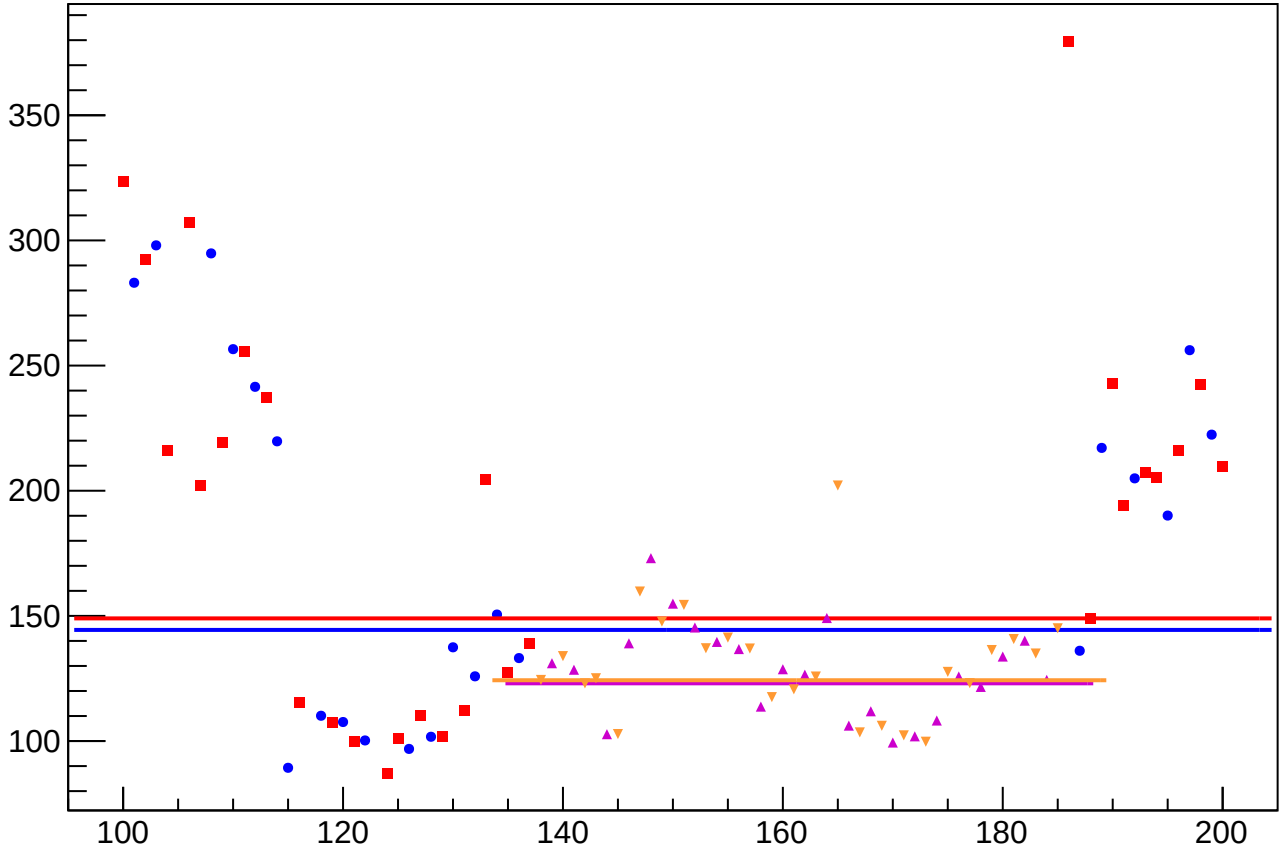
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.014+/-0.017 χ^2/NDF: 100.2/97

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

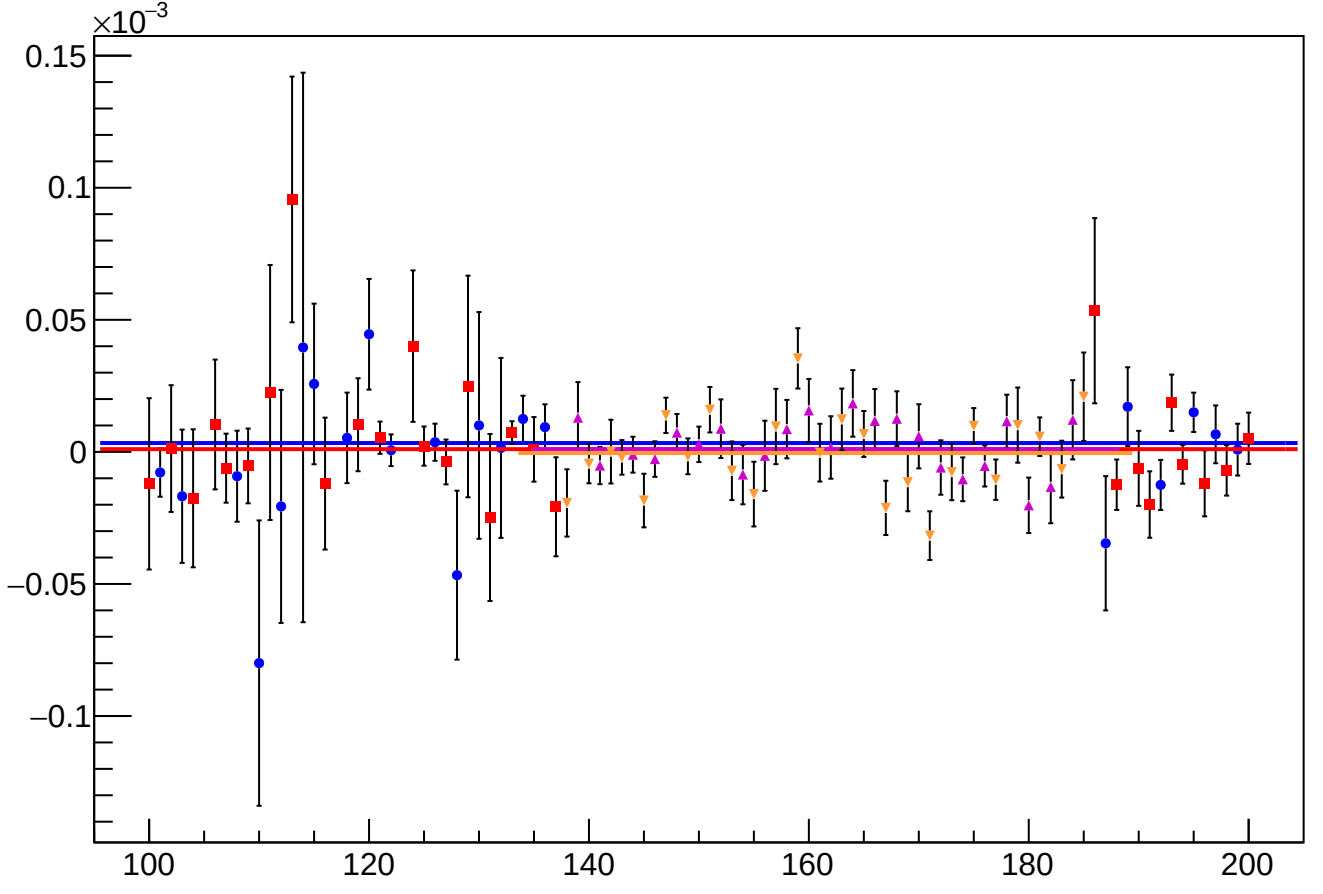
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025607.5/46

All: 130.503+/-0.012 χ^2/NDF: 8614293.7/97

- sign 131.102+/-0.017 χ^2/NDF: 4586268.6/50

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/27

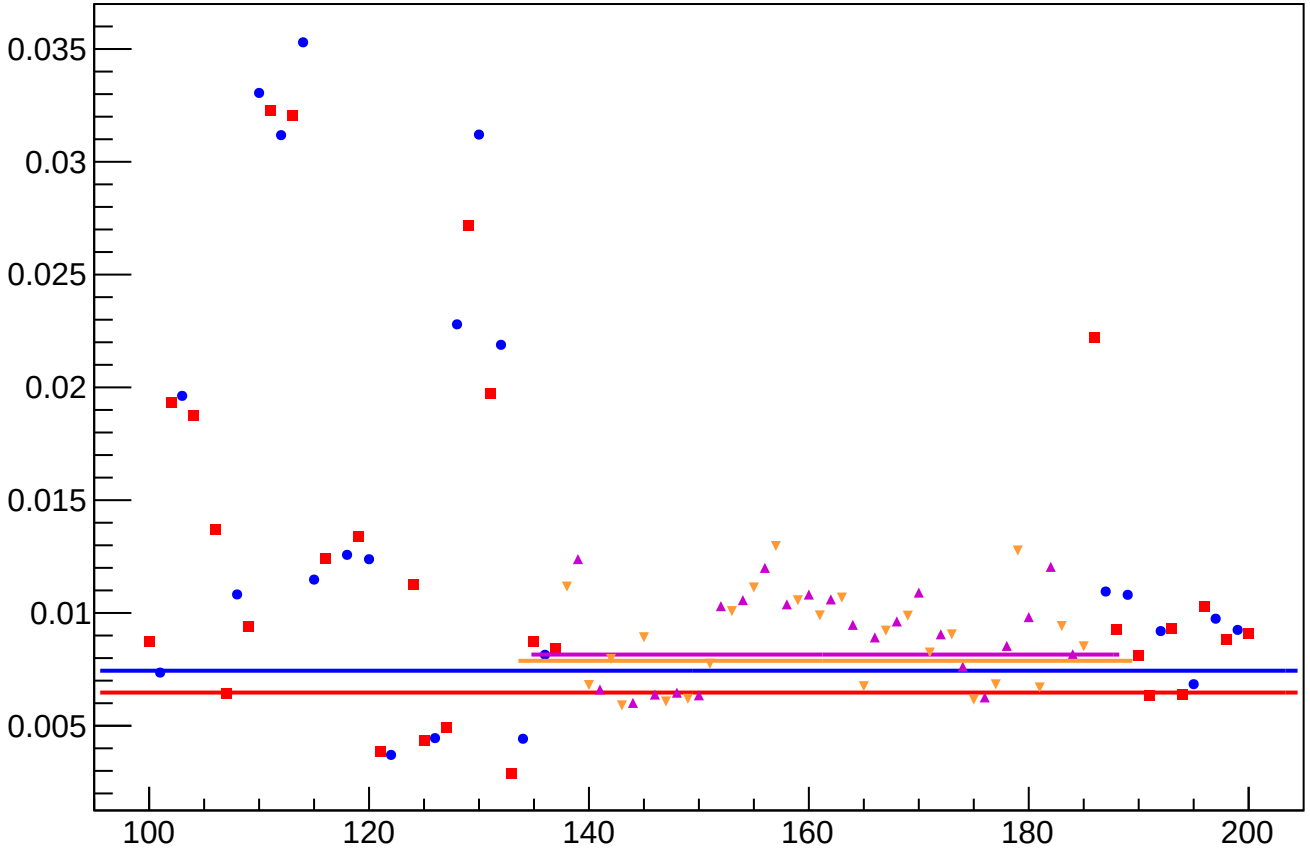
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/46

All: 0.000+/-0.000 χ^2/NDF: 122.4/97

- sign 0.000+/-0.000 χ^2/NDF: 45.9/50

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5239706.5/21

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

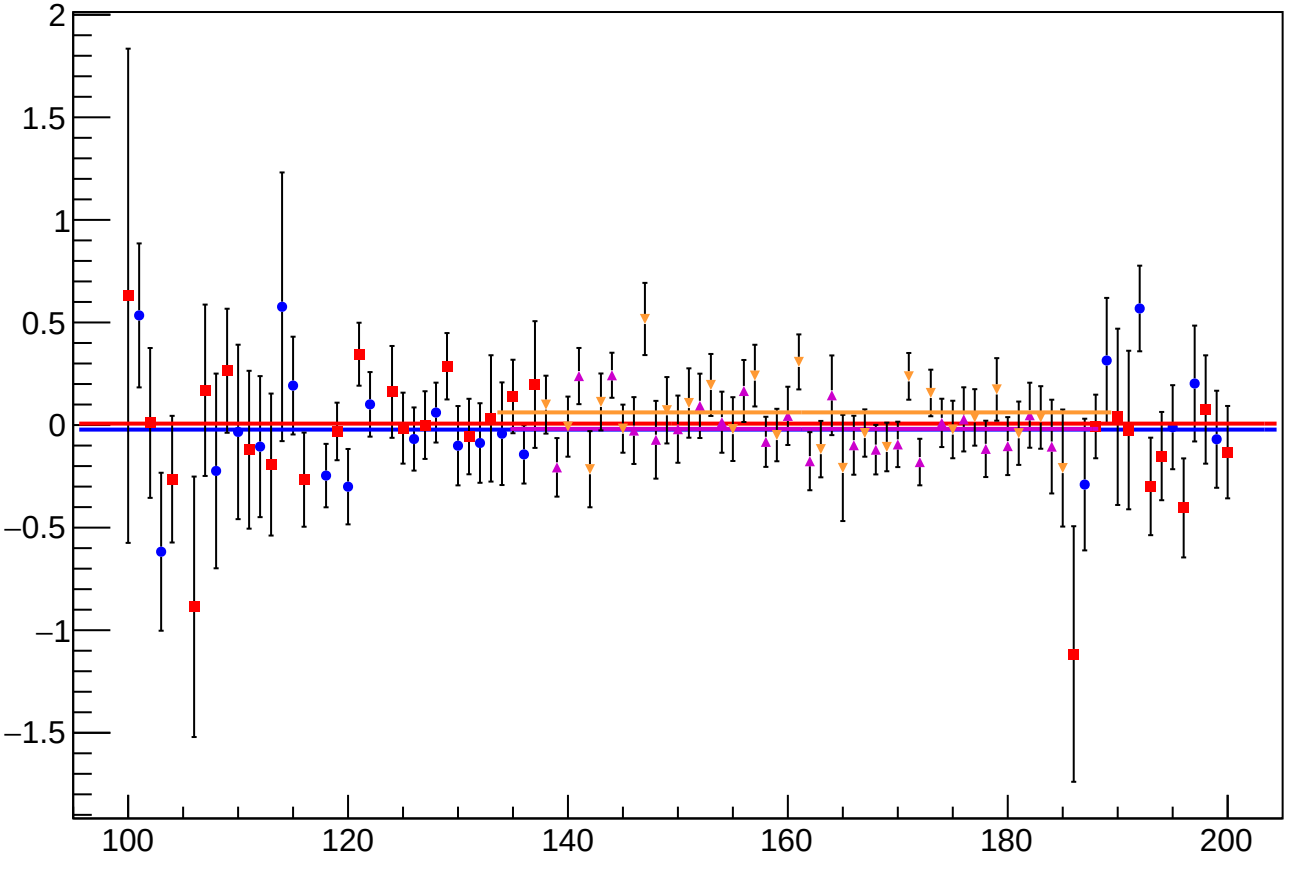
Right Out: 0.006+/-0.000 χ^2/NDF: 7086897.6/27

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7355492.2/46

All: 0.008+/-0.000 χ^2/NDF: 17201561.5/97

- sign 0.007+/-0.000 χ^2/NDF: 9784128.4/50



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.007+/-0.044 χ^2/NDF: 24.0/27

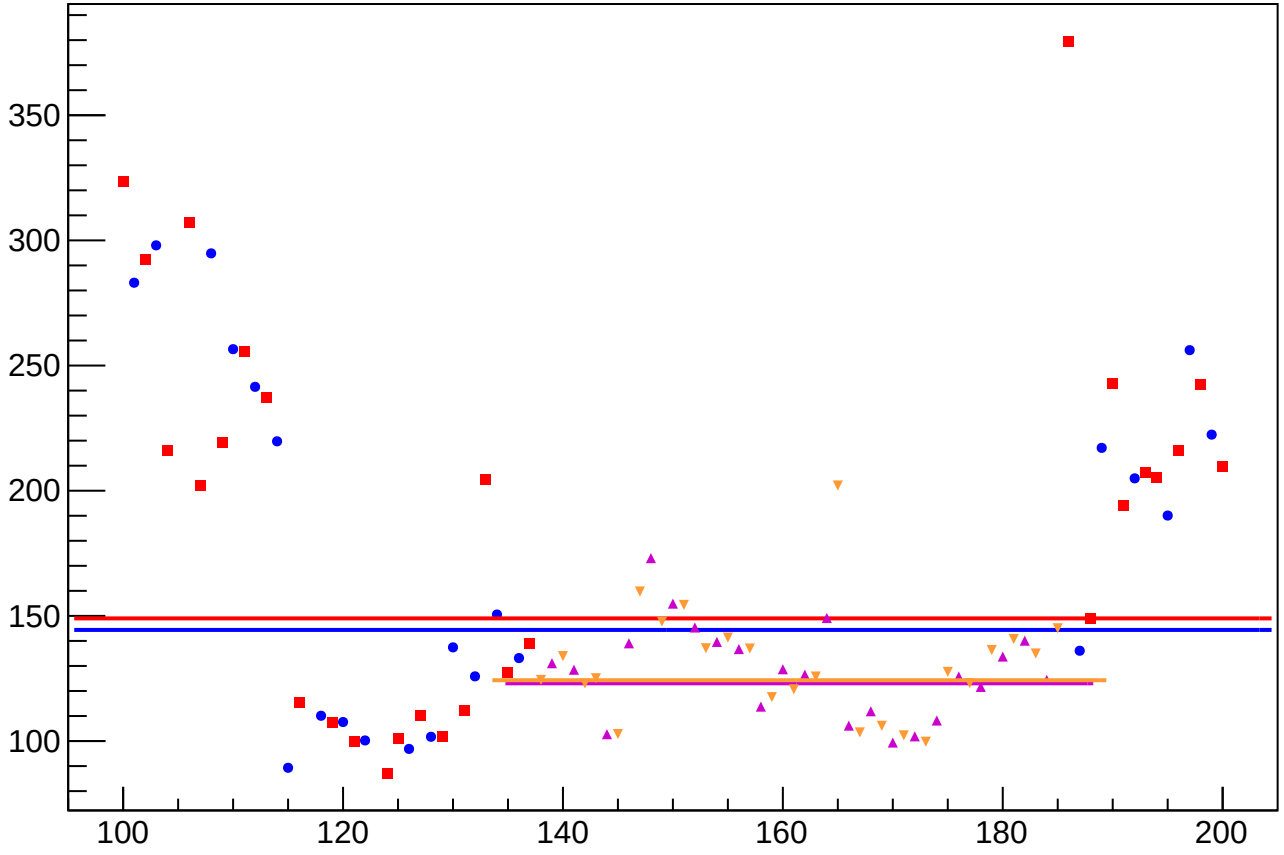
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.014+/-0.017 χ^2/NDF: 100.2/97

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

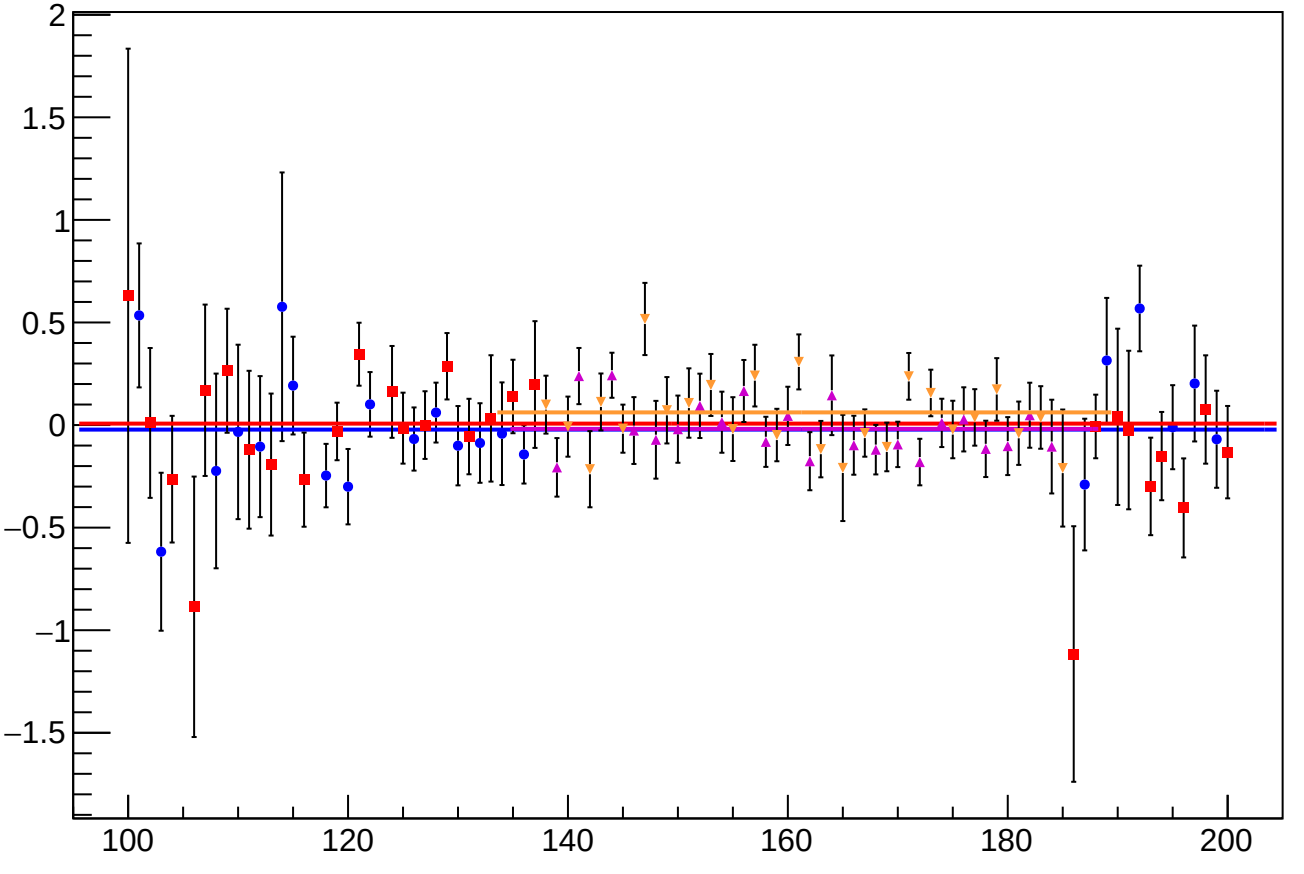
Right Out: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025621.3/46

All: 130.502+/-0.012 χ^2/NDF: 8614333.8/97

- sign 131.101+/-0.017 χ^2/NDF: 4586295.2/50



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

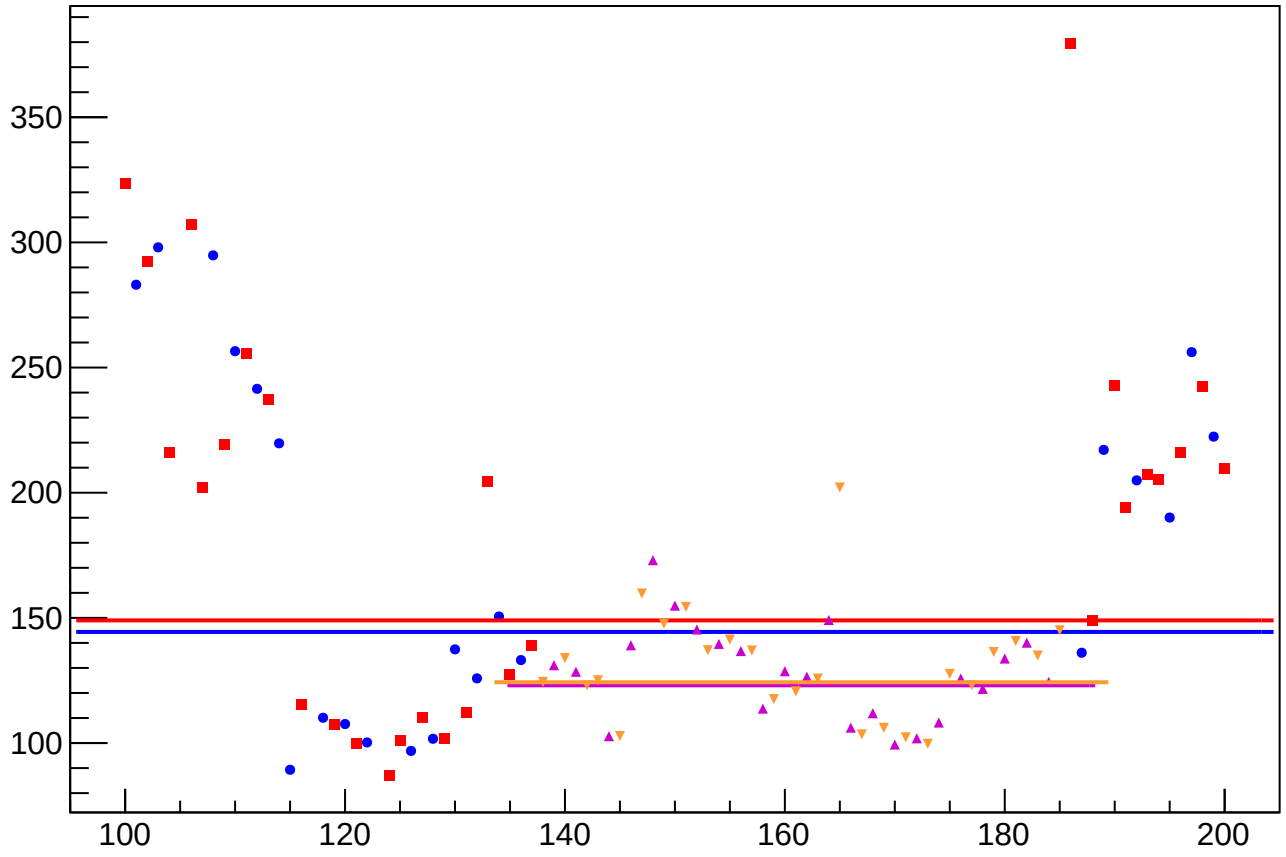
Right Out: 0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.014+/-0.017 χ^2/NDF: 100.2/97

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

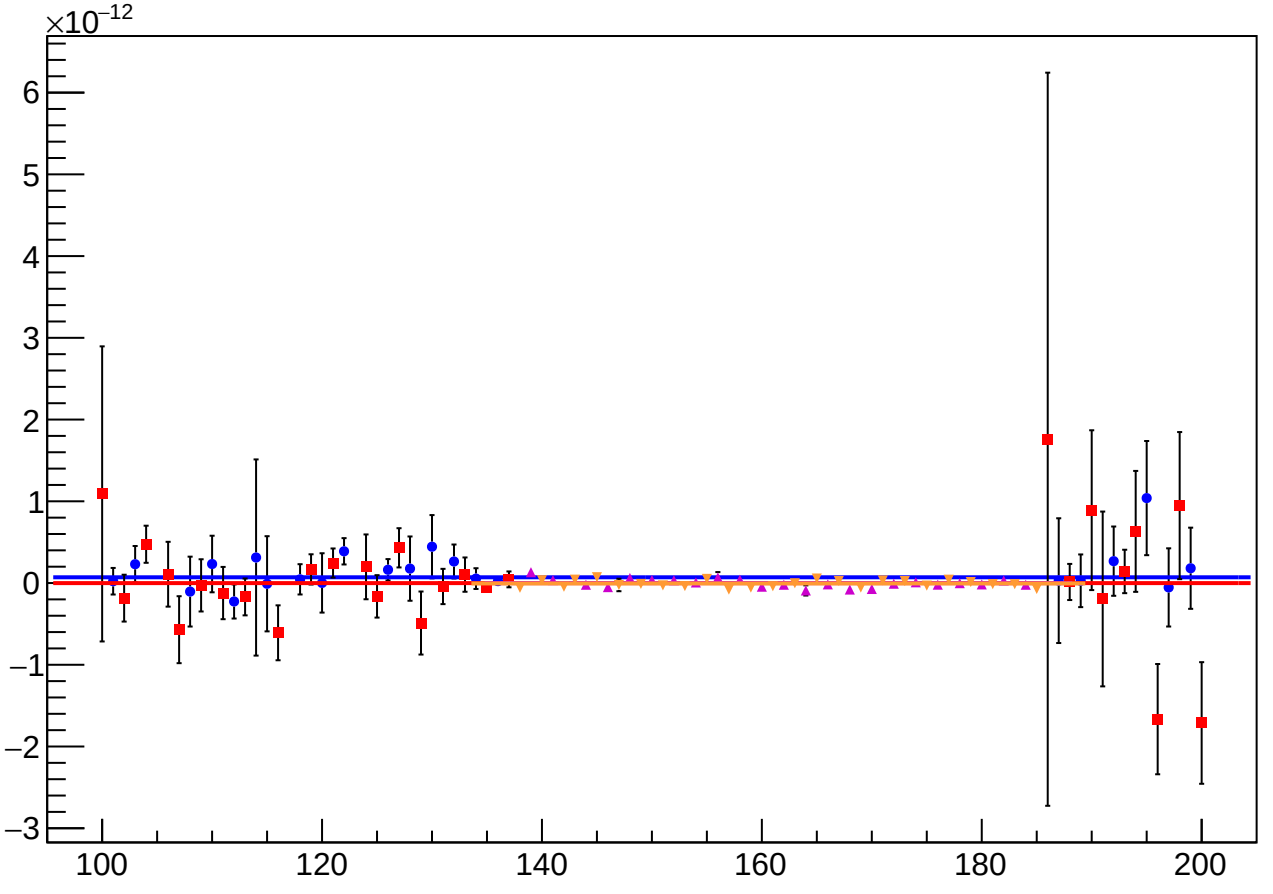
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025621.3/46

All: 130.502+/-0.012 χ^2/NDF: 8614333.8/97

- sign 131.101+/-0.017 χ^2/NDF: 4586295.2/50

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/27

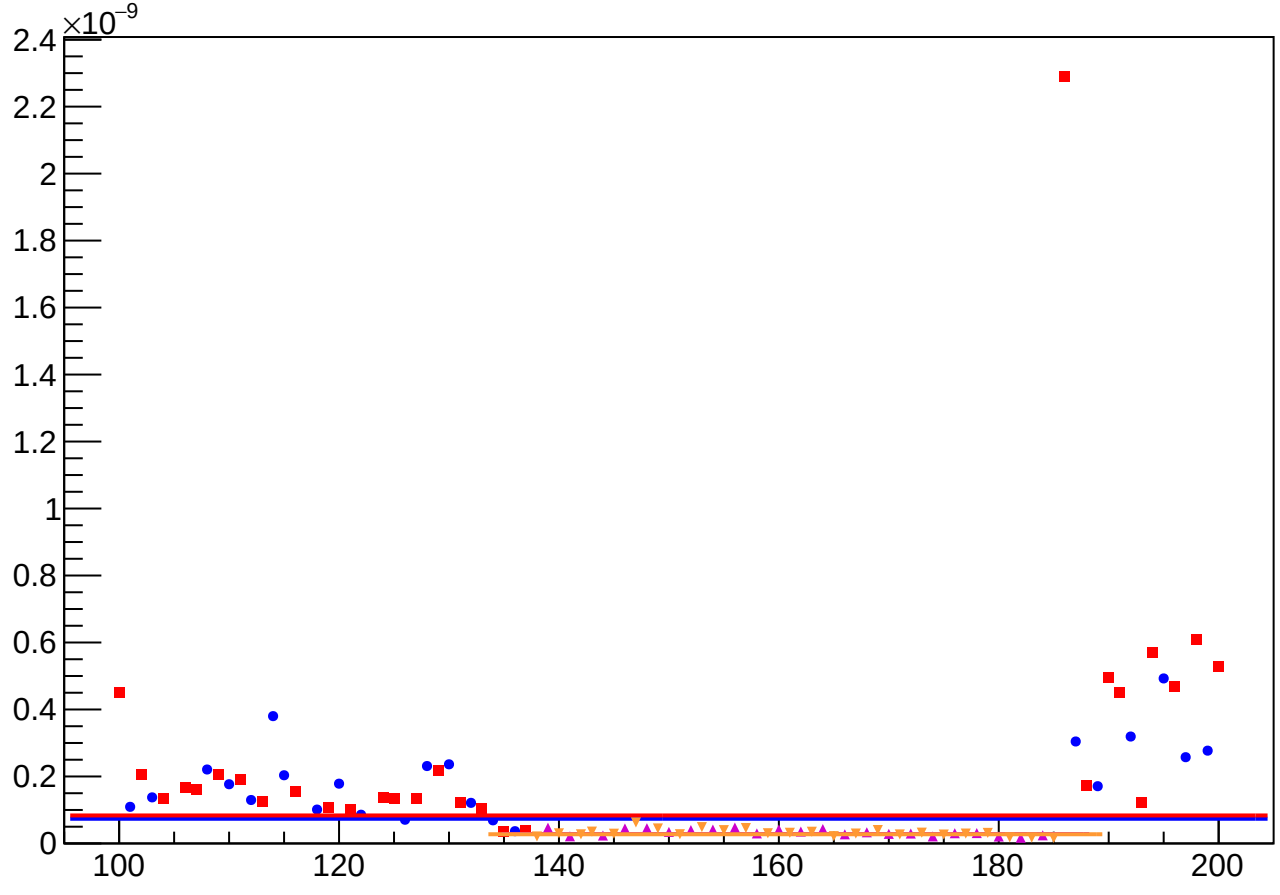
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/46

All: -0.000+/-0.000 χ^2/NDF: 101.3/97

- sign 0.000+/-0.000 χ^2/NDF: 59.8/50

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5637316.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8138654.3/27

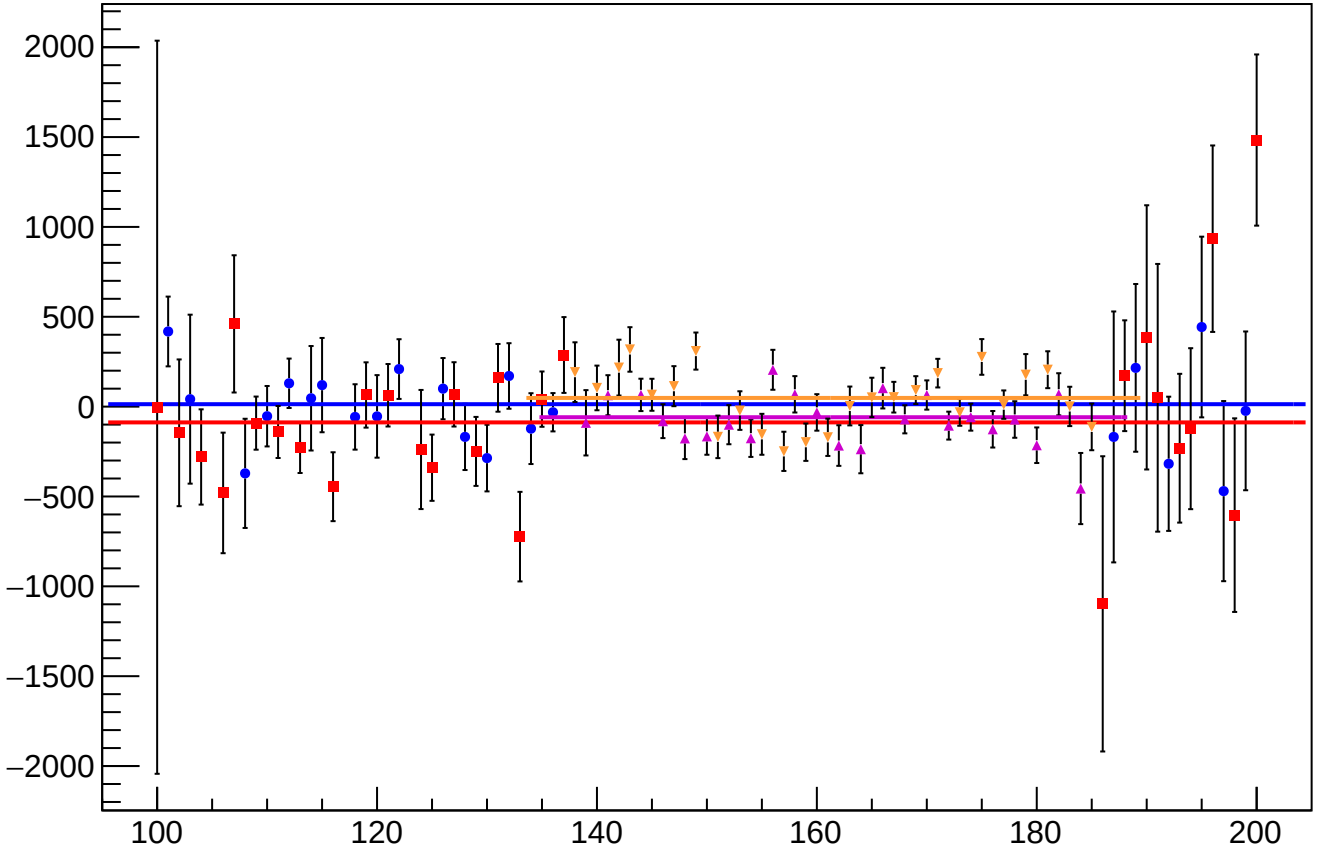
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11275117.0/46

All: 0.000+/-0.000 χ^2/NDF: 25649017.9/97

- sign 0.000+/-0.000 χ^2/NDF: 14356426.4/50

reg_asym_sam3_mean vs Slug



Right In: 13.524+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -87.818+/-44.097 χ^2/NDF: 44.2/27

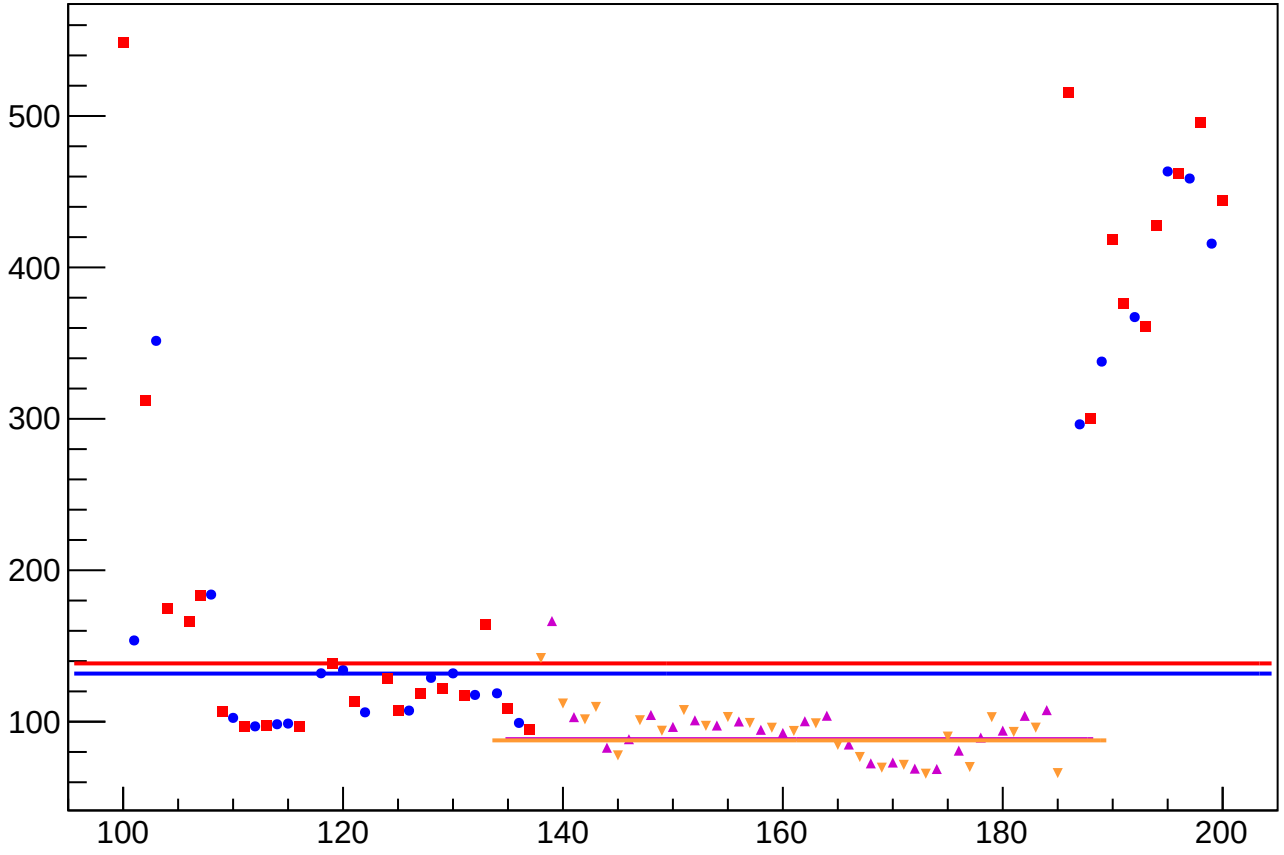
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.320+/-18.560 χ^2/NDF: 70.6/46

All: -9.582+/-13.302 χ^2/NDF: 161.9/97

- sign -64.403+/-19.074 χ^2/NDF: 75.1/50

reg_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908772.1/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 138.483+/-0.031 χ^2/NDF: 6745325.0/27

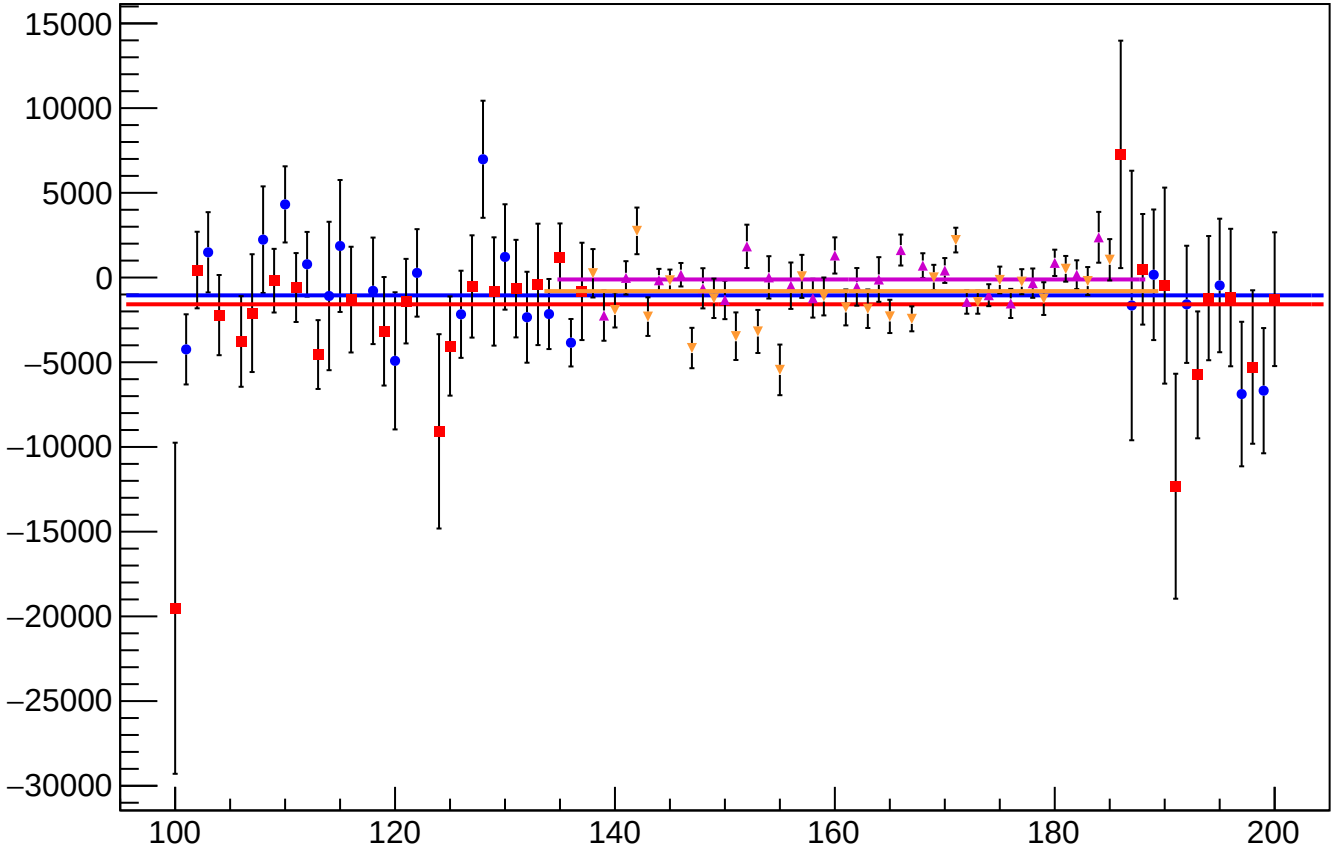
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.339+/-0.013 χ^2/NDF: 7747129.7/46

All: 96.554+/-0.009 χ^2/NDF: 17676024.8/97

- sign 97.838+/-0.013 χ^2/NDF: 9911257.3/50

asym_sam3_reg_correction_mean vs Slug



Right In: -1051.991+/-577.869 χ^2/NDF: 27.9/21

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1579.327+/-563.584 χ^2/NDF: 19.6/27

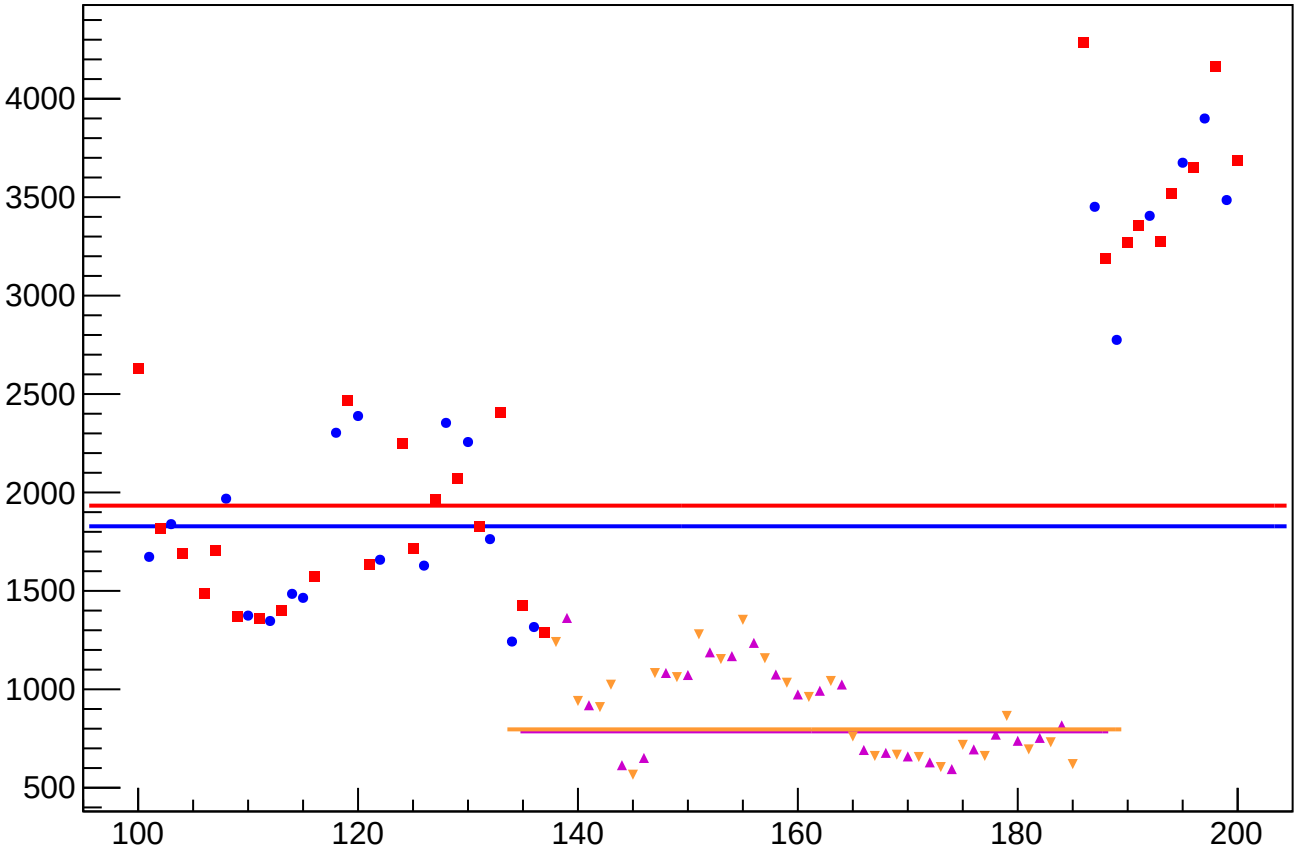
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -825.424+/-178.566 χ^2/NDF: 100.0/46

All: -546.671+/-126.865 χ^2/NDF: 157.7/97

- sign -262.565+/-180.273 χ^2/NDF: 52.8/50

asym_sam3_reg_correction_rms vs Slug



Right In: 1828.144+/-0.409 χ^2/NDF: 2803768.2/21

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1933.055+/-0.399 χ^2/NDF: 3589349.1/27

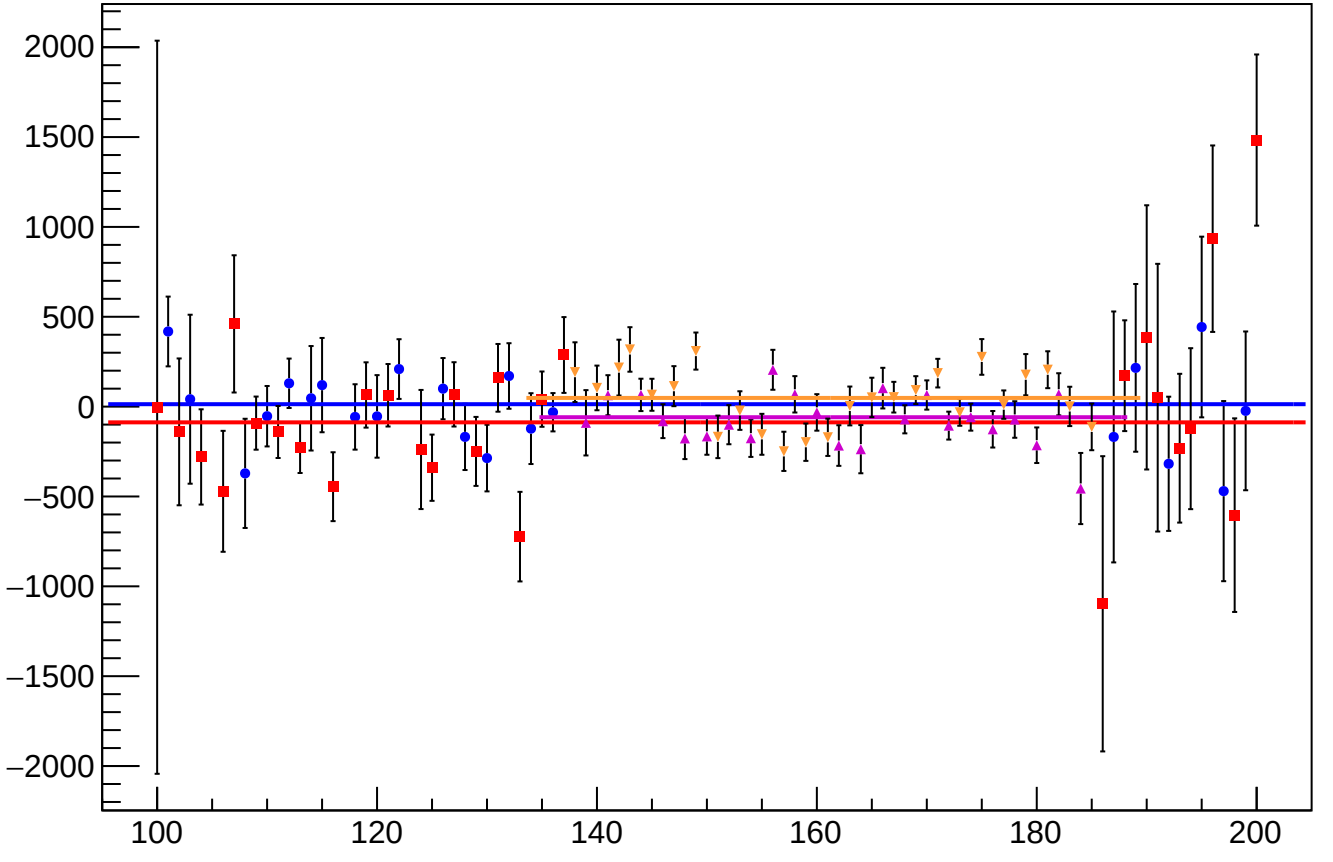
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 895.029+/-0.126 χ^2/NDF: 10986997.6/46

All: 899.305+/-0.090 χ^2/NDF: 24168008.1/97

- sign 903.664+/-0.127 χ^2/NDF: 13178694.5/50

cor_asym_sam3_mean vs Slug



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -87.551+/-44.100 χ^2/NDF: 44.1/27

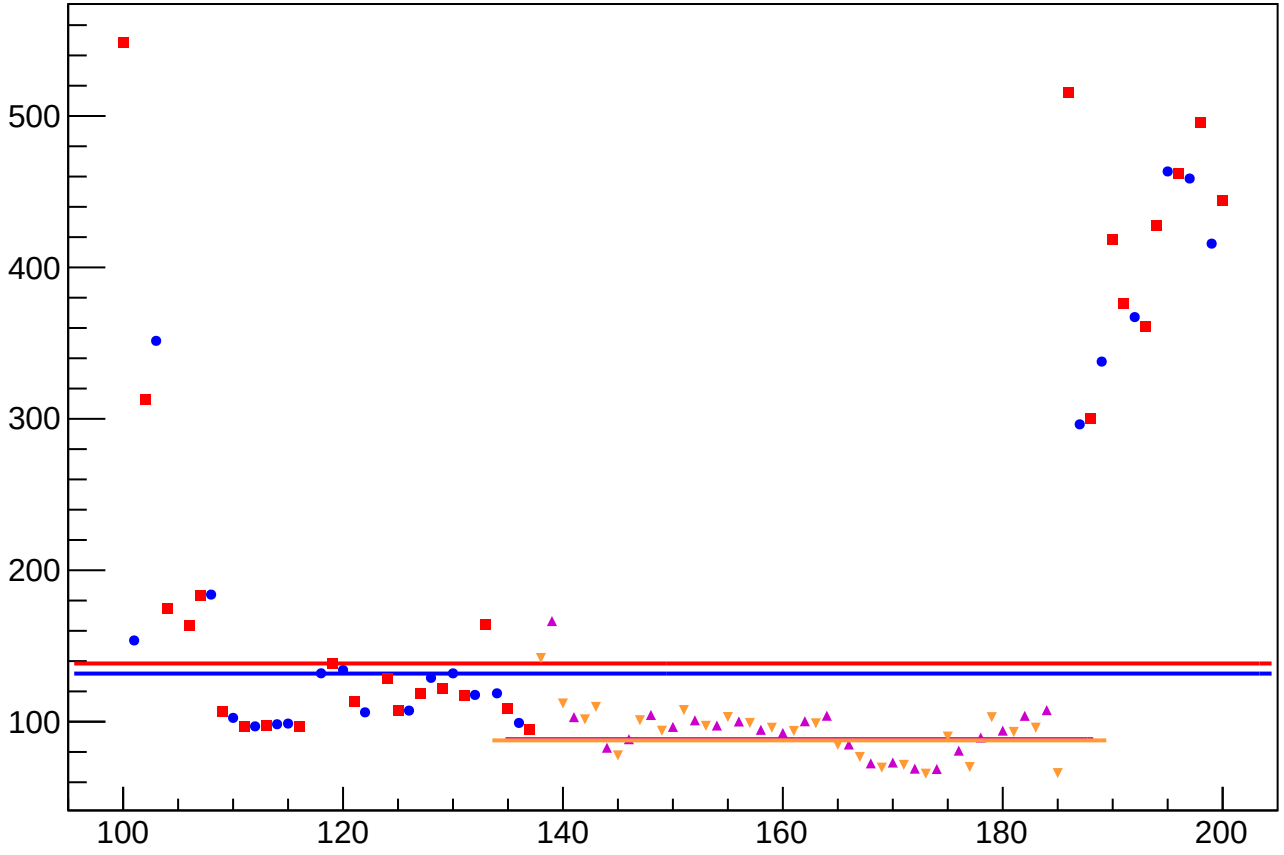
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.323+/-18.560 χ^2/NDF: 70.6/46

All: -9.556+/-13.302 χ^2/NDF: 161.8/97

- sign -64.355+/-19.075 χ^2/NDF: 75.0/50

cor_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

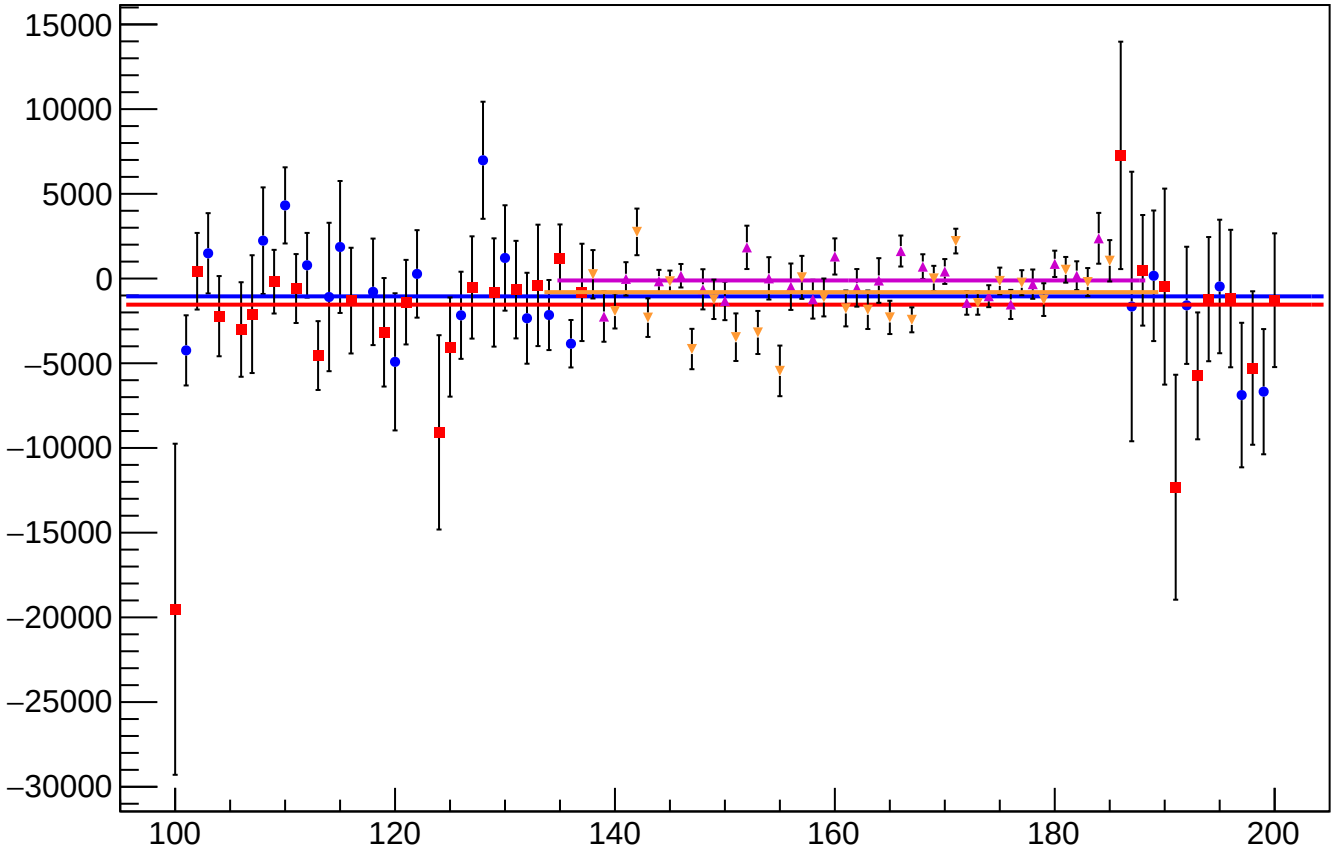
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.339+/-0.013 χ^2/NDF: 7747131.3/46

All: 96.549+/-0.009 χ^2/NDF: 17669655.7/97

- sign 97.828+/-0.013 χ^2/NDF: 9905019.8/50

asym_sam3_cor_correction_mean vs Slug



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1541.253+/-564.629 χ^2/NDF: 19.2/27

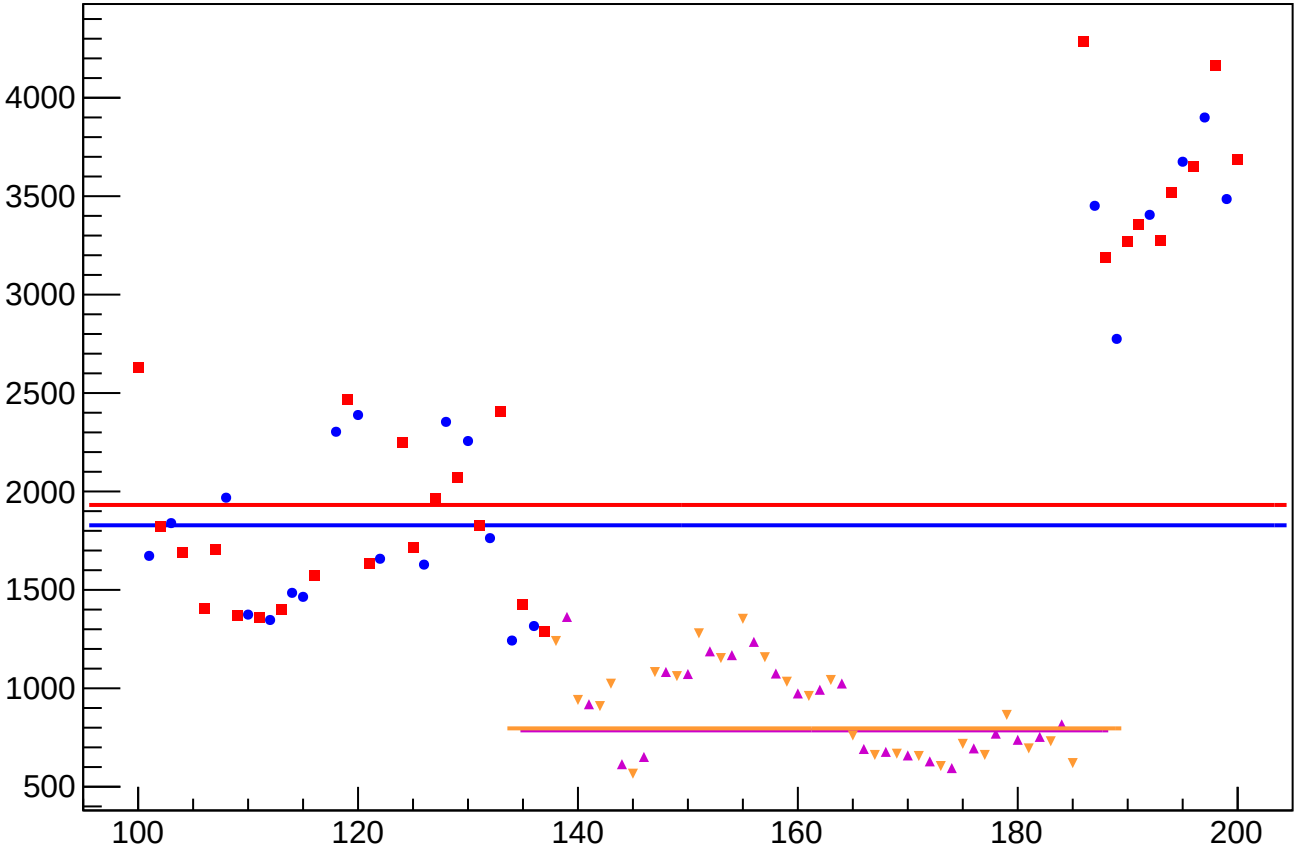
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.416+/-178.566 χ^2/NDF: 100.0/46

All: -544.552+/-126.876 χ^2/NDF: 157.0/97

- sign -258.185+/-180.307 χ^2/NDF: 52.0/50

asym_sam3_cor_correction_rms vs Slug



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

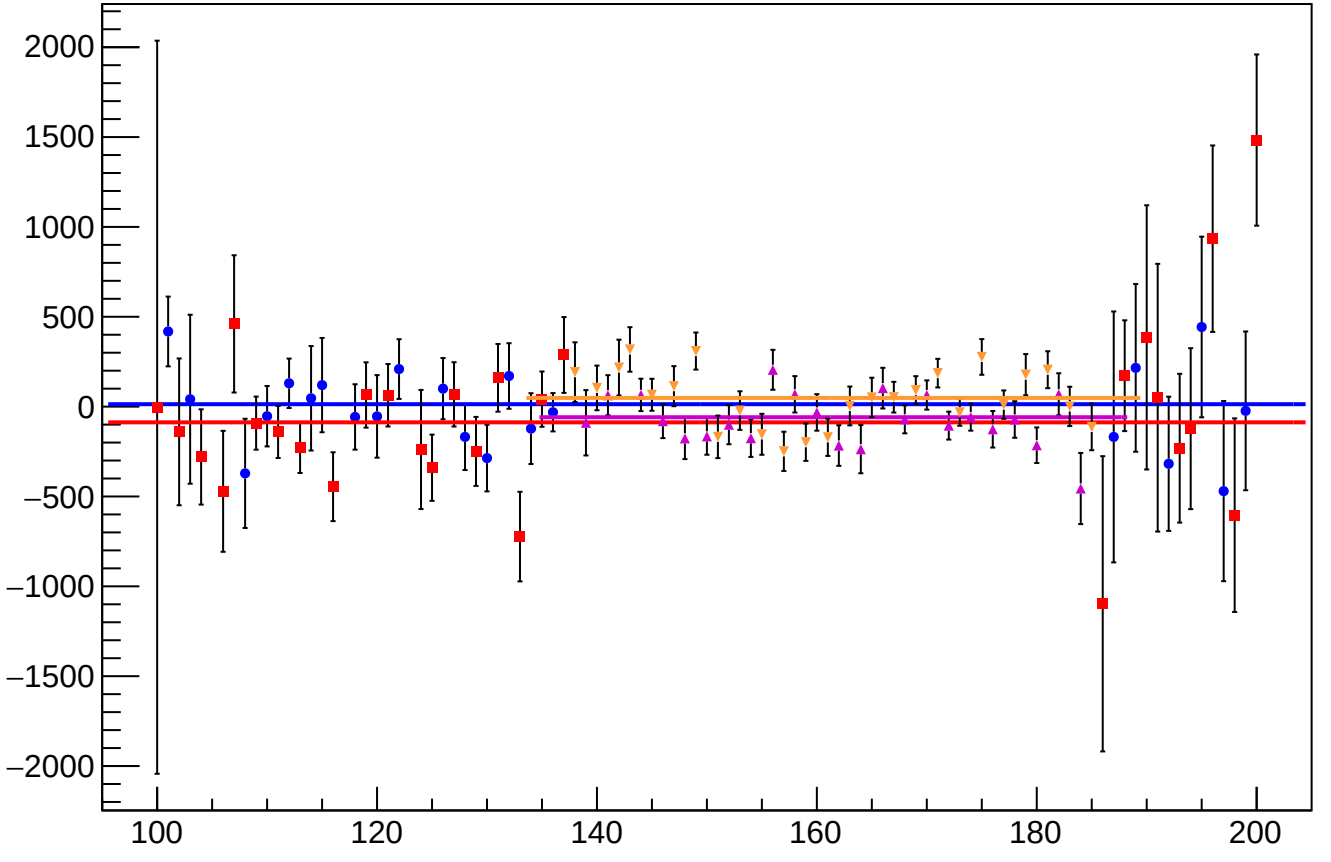
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 895.029+/-0.126 χ^2/NDF: 10987055.8/46

All: 899.030+/-0.090 χ^2/NDF: 24137937.7/97

- sign 903.110+/-0.127 χ^2/NDF: 13148853.6/50

eigen_cor_asym_sam3_mean vs Slug



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -87.551+/-44.100 χ^2/NDF: 44.1/27

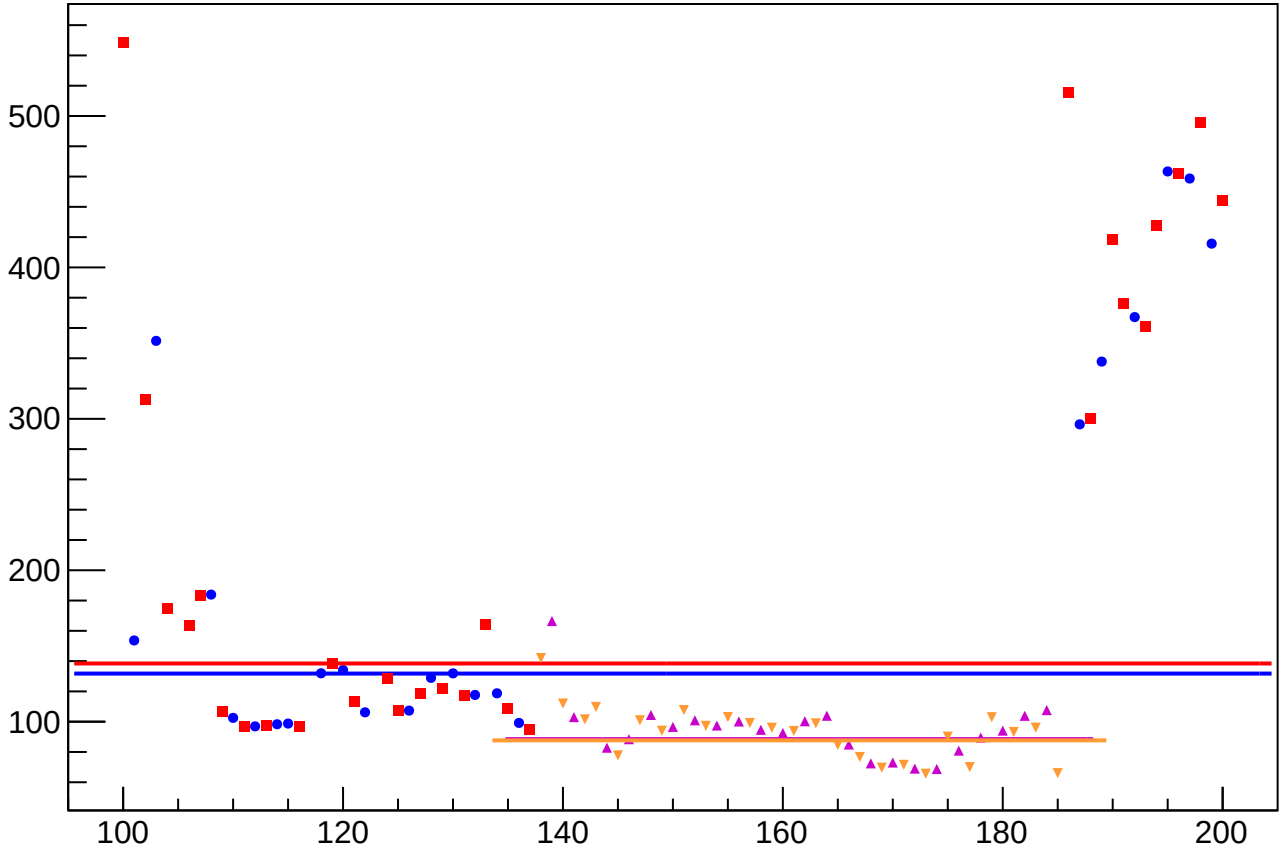
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.323+/-18.560 χ^2/NDF: 70.6/46

All: -9.556+/-13.302 χ^2/NDF: 161.8/97

- sign -64.355+/-19.075 χ^2/NDF: 75.0/50

eigen_cor_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

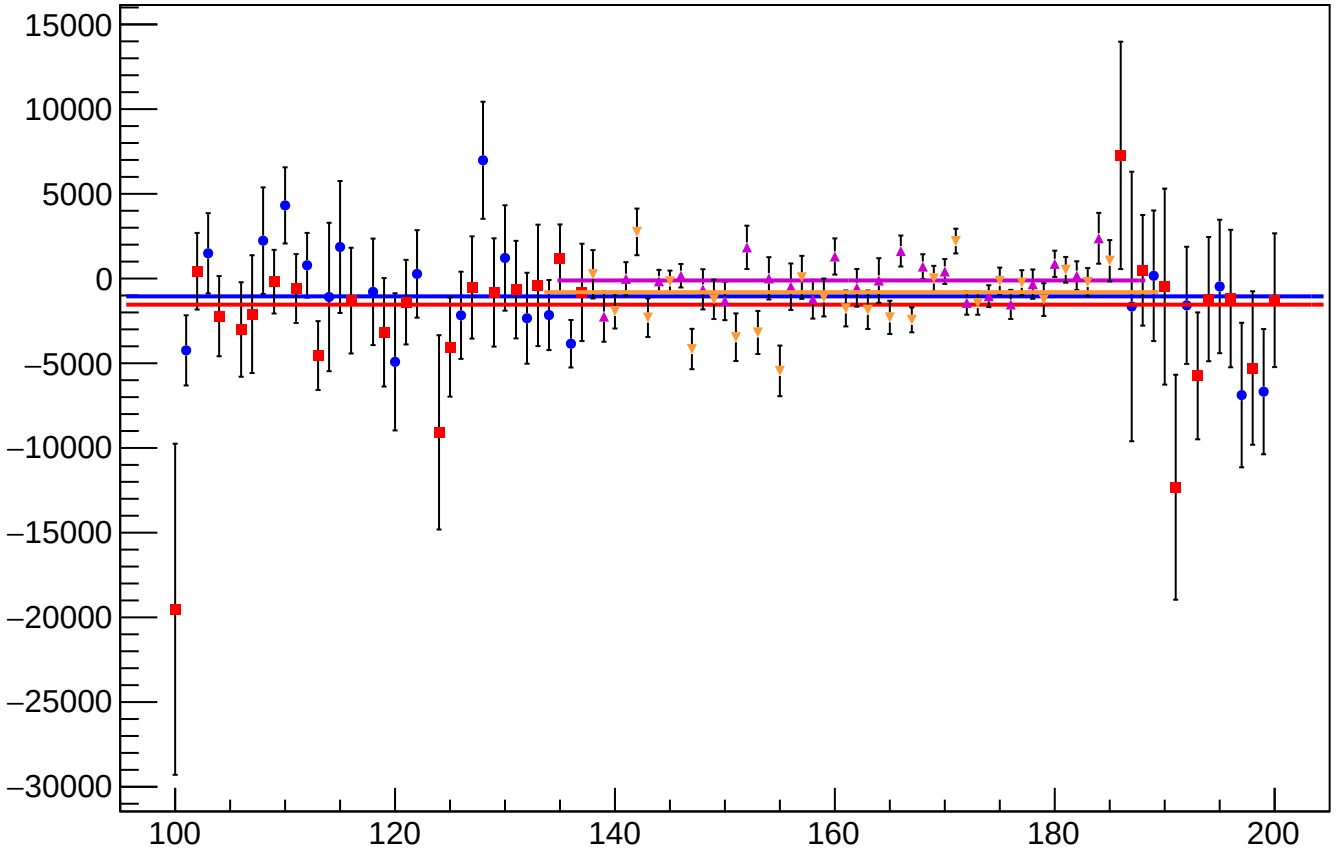
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.339+/-0.013 χ^2/NDF: 7747131.3/46

All: 96.549+/-0.009 χ^2/NDF: 17669655.7/97

- sign 97.828+/-0.013 χ^2/NDF: 9905019.8/50

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

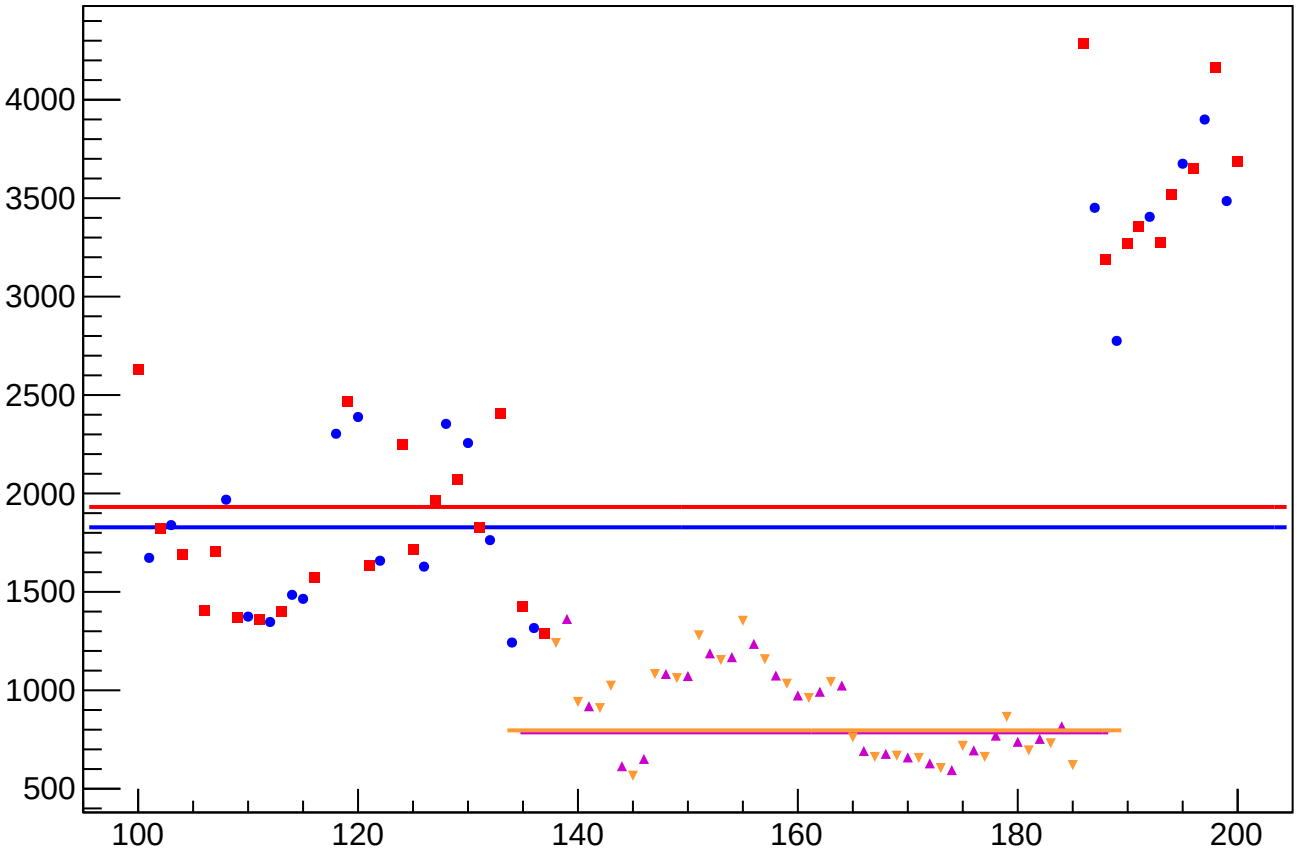
Right Out: -1541.253+/-564.629 χ^2/NDF: 19.2/27

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.416+/-178.566 χ^2/NDF: 100.0/46

All: -544.552+/-126.876 χ^2/NDF: 157.0/97

- sign -258.185+/-180.307 χ^2/NDF: 52.0/50



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

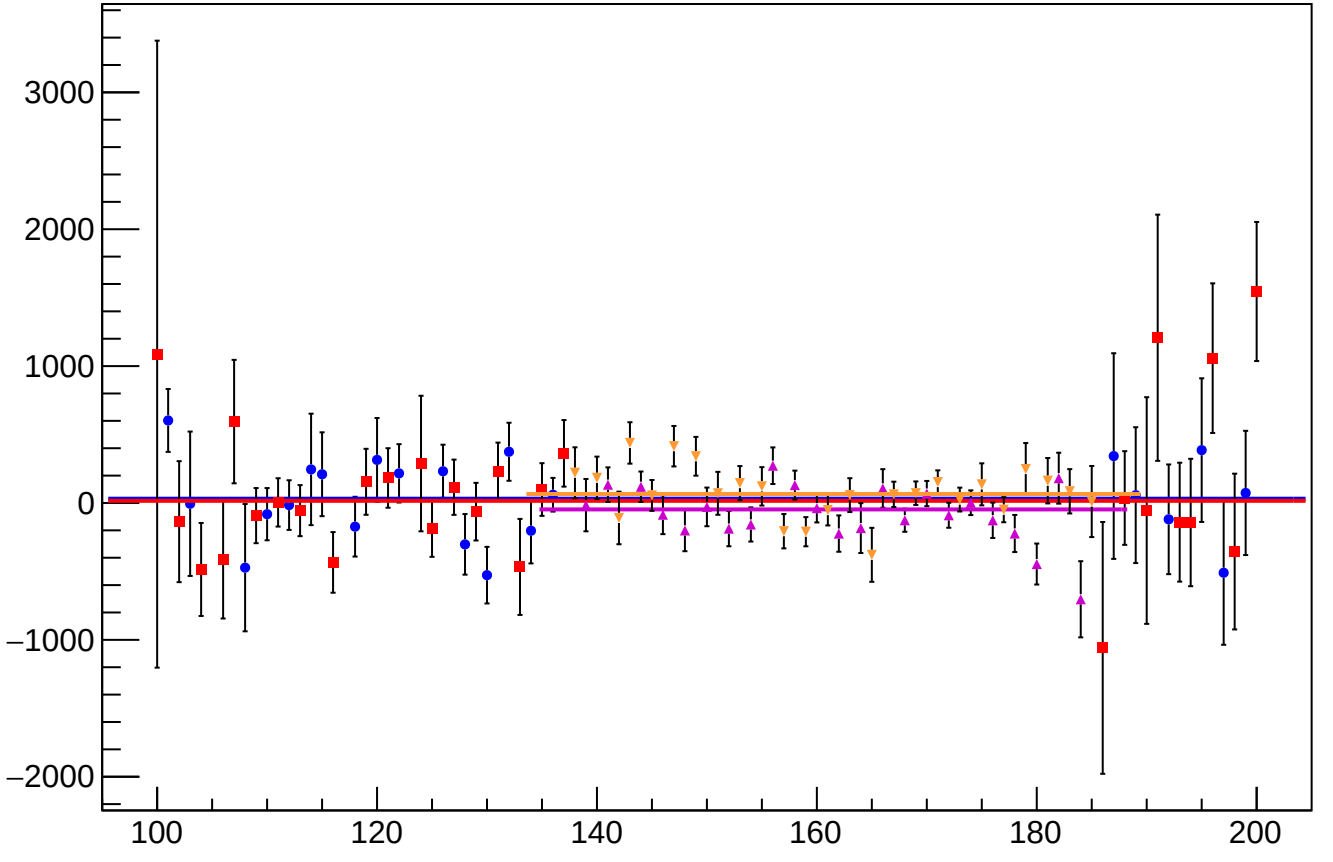
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 895.029+/-0.126 χ^2/NDF: 10987055.8/46

All: 899.030+/-0.090 χ^2/NDF: 24137937.7/97

- sign 903.110+/-0.127 χ^2/NDF: 13148853.6/50

dit_asym_sam3_mean vs Slug



Right In: 31.236+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.861+/-53.414 χ^2/NDF: 34.0/27

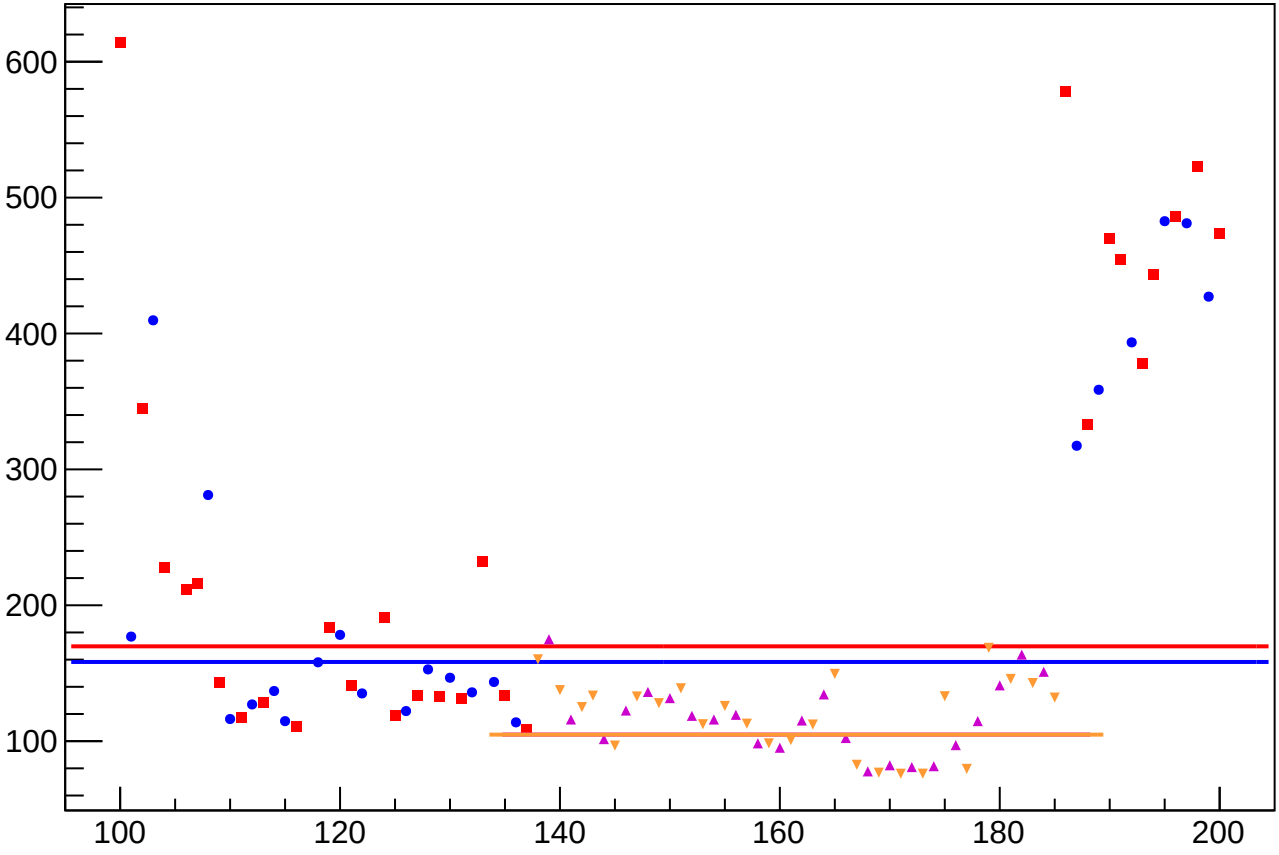
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.407+/-22.655 χ^2/NDF: 67.4/46

All: 13.128+/-16.194 χ^2/NDF: 149.6/97

- sign -35.218+/-23.156 χ^2/NDF: 73.7/50

dit_asym_sam3_rms vs Slug



Right In: 158.288+/-0.037 χ^2/NDF: 4532871.2/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 169.781+/-0.038 χ^2/NDF: 6174864.8/27

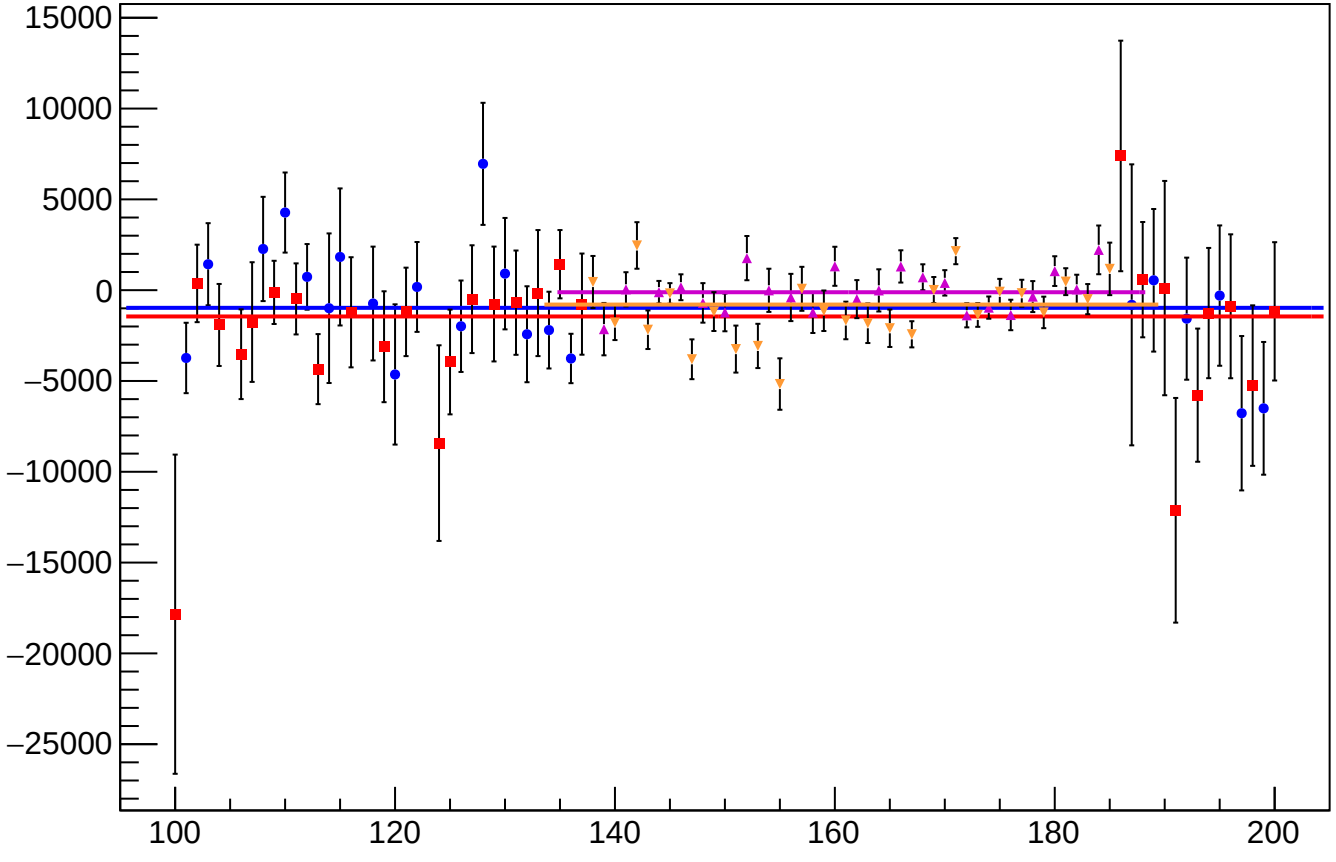
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 114.578+/-0.016 χ^2/NDF: 8439284.9/46

All: 115.782+/-0.011 χ^2/NDF: 18641319.9/97

- sign 117.040+/-0.016 χ^2/NDF: 10190475.8/50

asym_sam3_dit_correction_mean vs Slug



Right In: -972.634+/-560.393 χ^2/NDF: 28.0/21

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1447.564+/-540.040 χ^2/NDF: 21.1/27

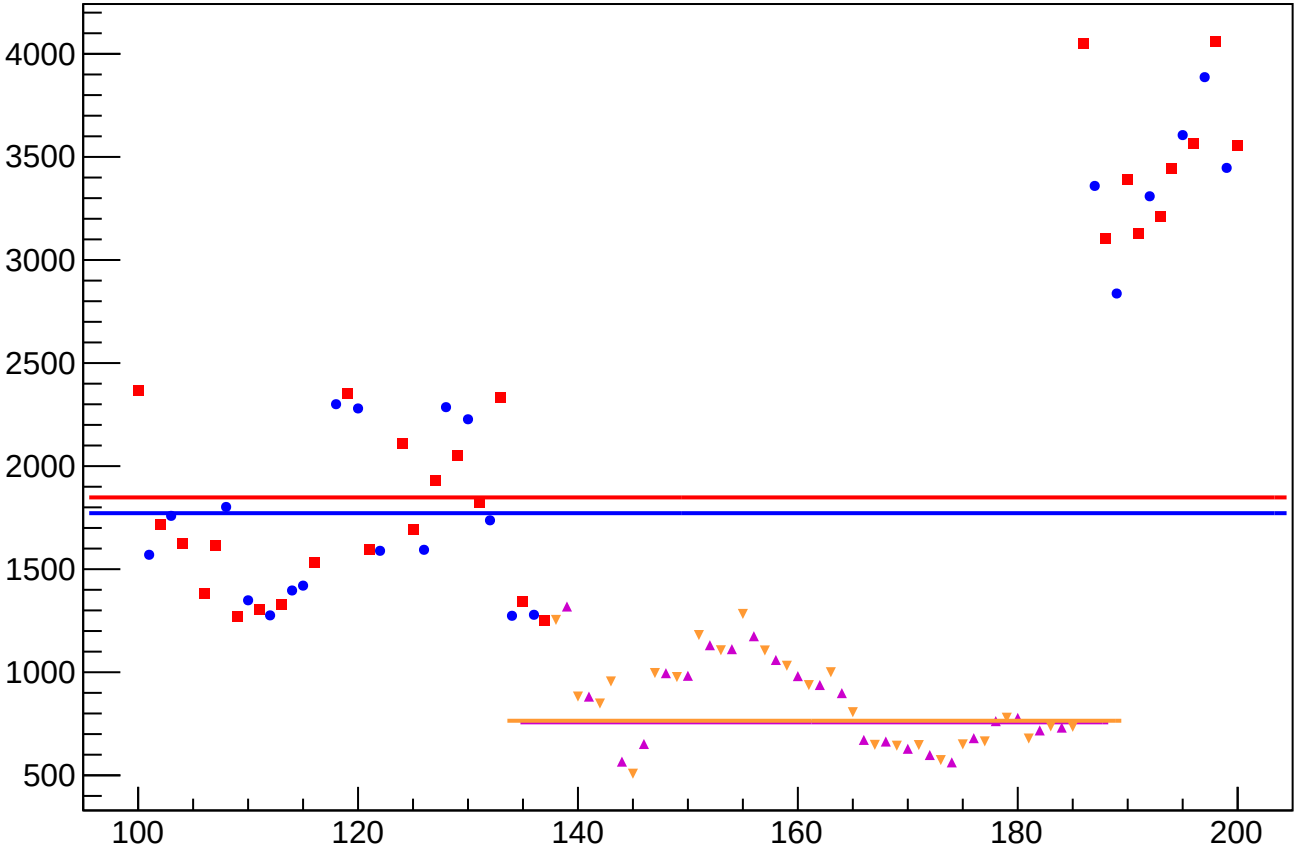
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -809.846+/-171.287 χ^2/NDF: 98.1/46

All: -534.010+/-121.867 χ^2/NDF: 156.2/97

- sign -251.241+/-173.426 χ^2/NDF: 52.9/50

asym_sam3_dit_correction_rms vs Slug



Right In: 1771.716+/-0.396 χ^2/NDF: 2873767.2/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1848.196+/-0.382 χ^2/NDF: 3756389.4/27

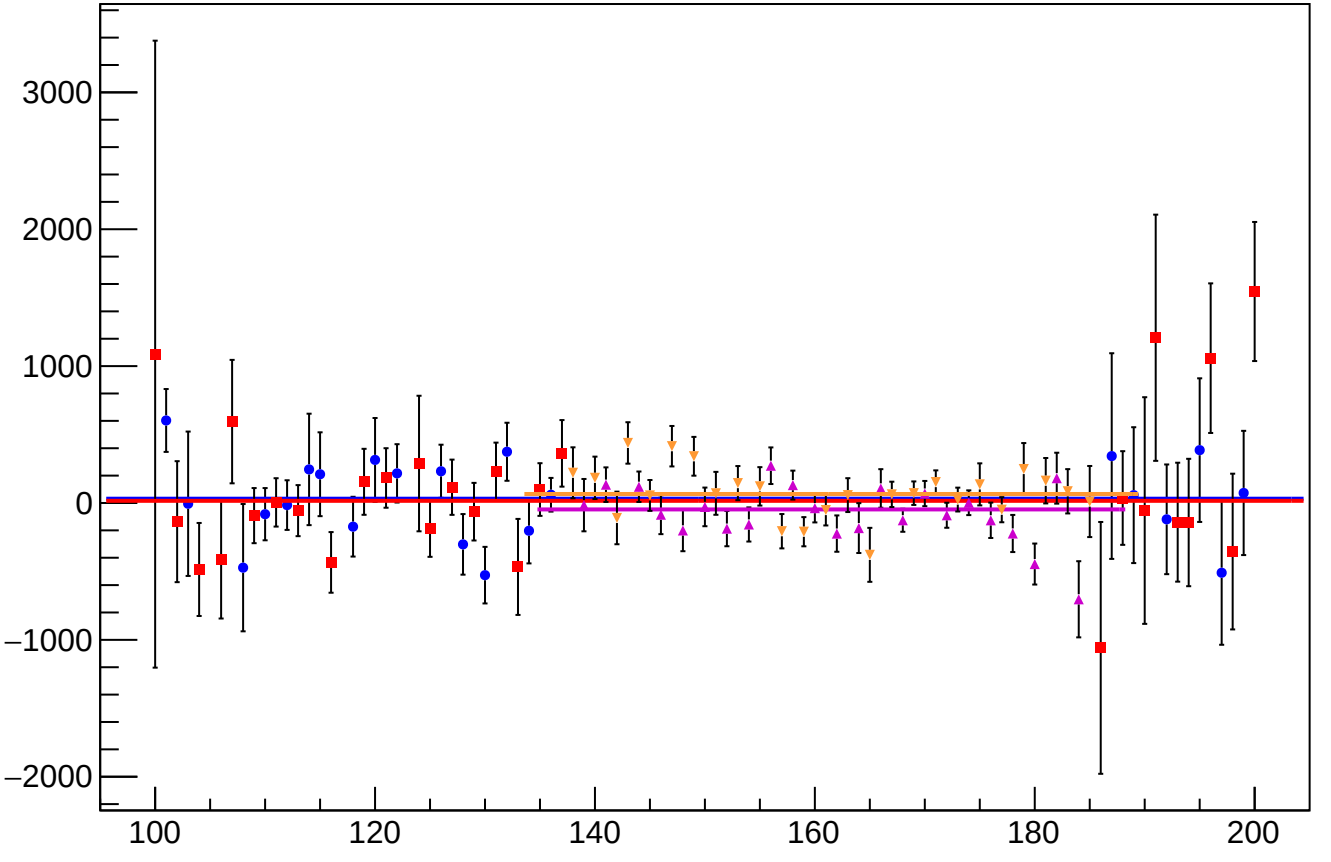
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 858.812+/-0.121 χ^2/NDF: 11153846.7/46

All: 864.073+/-0.086 χ^2/NDF: 24353745.5/97

- sign 869.467+/-0.123 χ^2/NDF: 13196076.9/50

eigen_dit_asym_sam3_mean vs Slug



Right In: 31.235+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.865+/-53.414 χ^2/NDF: 34.0/27

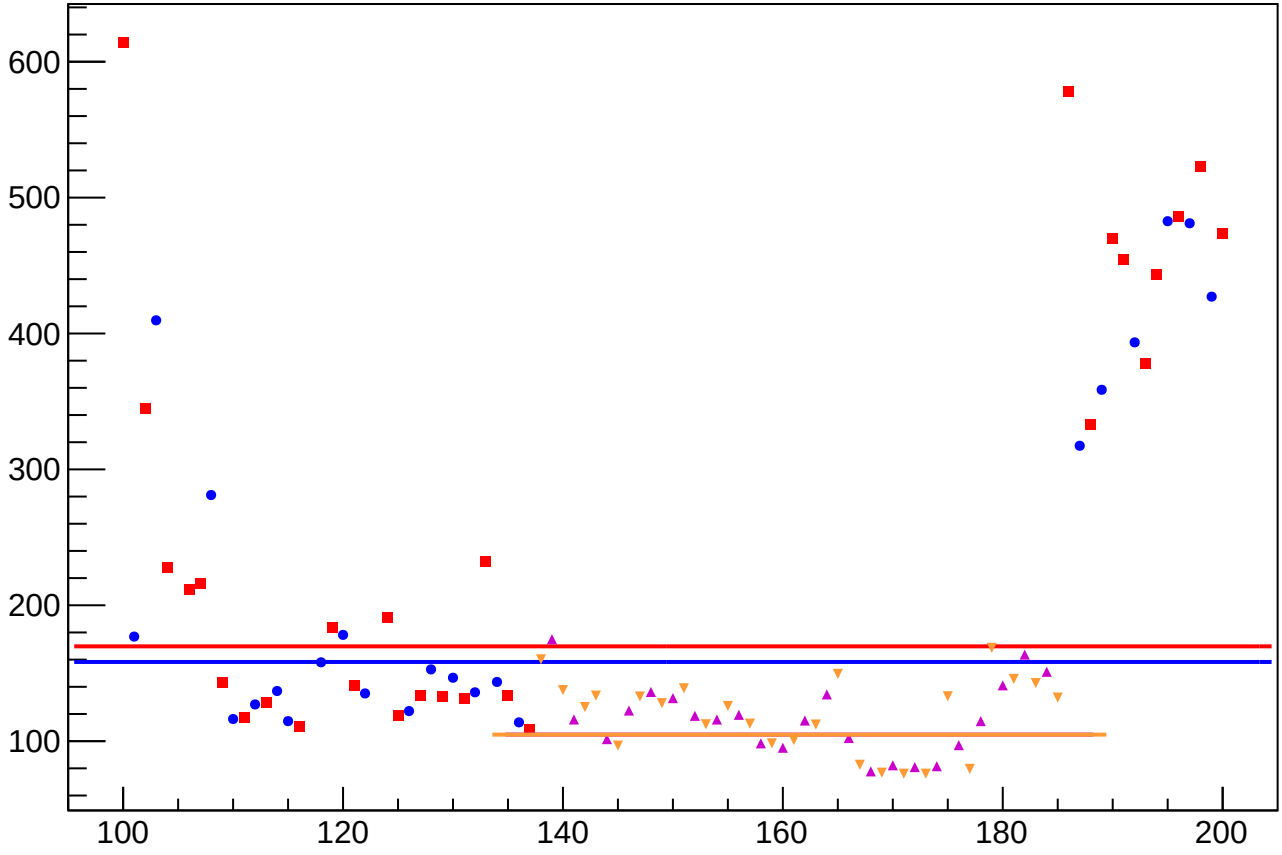
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.407+/-22.656 χ^2/NDF: 67.4/46

All: 13.129+/-16.194 χ^2/NDF: 149.6/97

- sign -35.216+/-23.156 χ^2/NDF: 73.7/50

eigen_dit_asym_sam3_rms vs Slug



Right In: 158.288+/-0.037 χ^2/NDF: 4532869.7/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 169.782+/-0.038 χ^2/NDF: 6174857.3/27

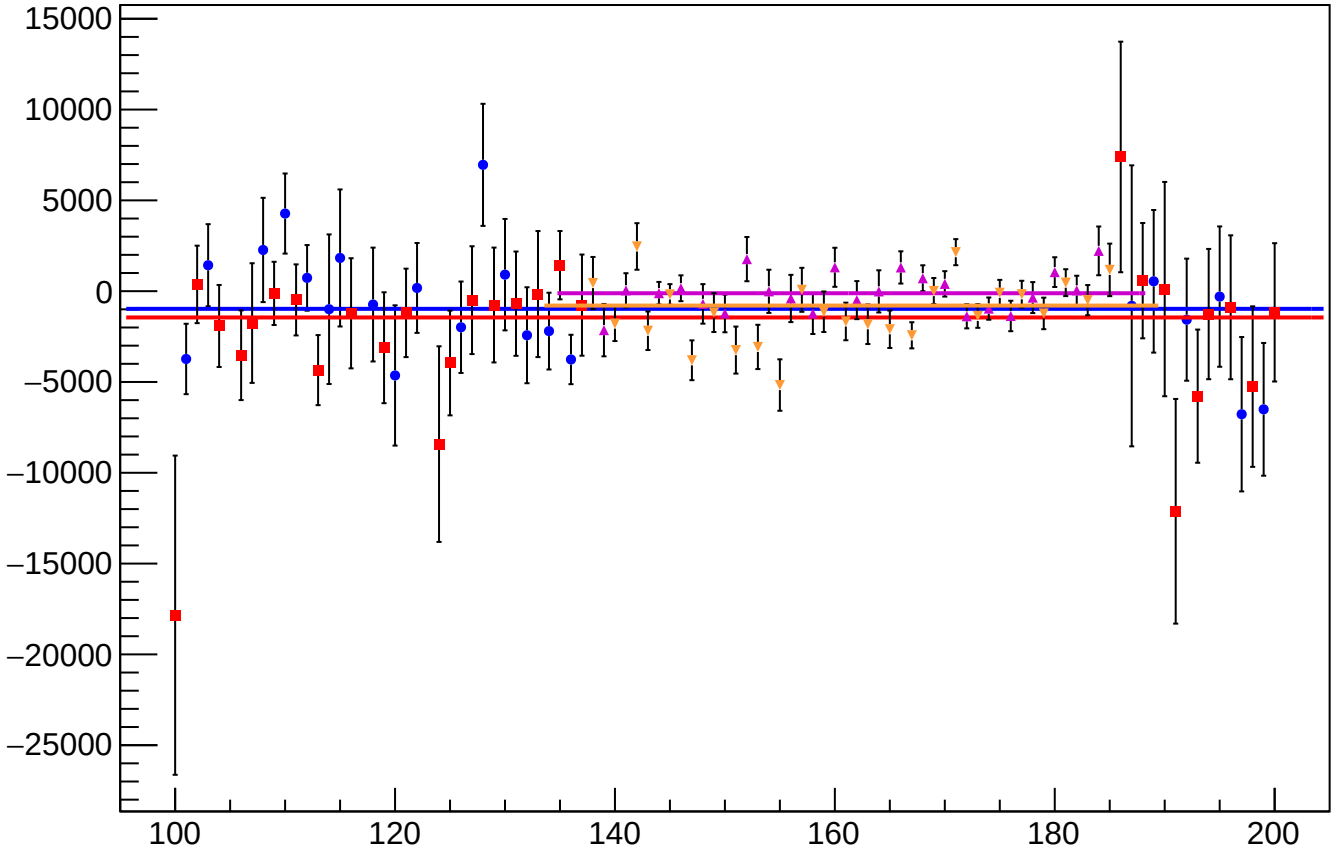
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 114.578+/-0.016 χ^2/NDF: 8439295.8/46

All: 115.783+/-0.011 χ^2/NDF: 18641337.5/97

- sign 117.041+/-0.016 χ^2/NDF: 10190482.7/50

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -972.632+/-560.392 χ^2/NDF: 28.0/21

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1447.563+/-540.039 χ^2/NDF: 21.1/27

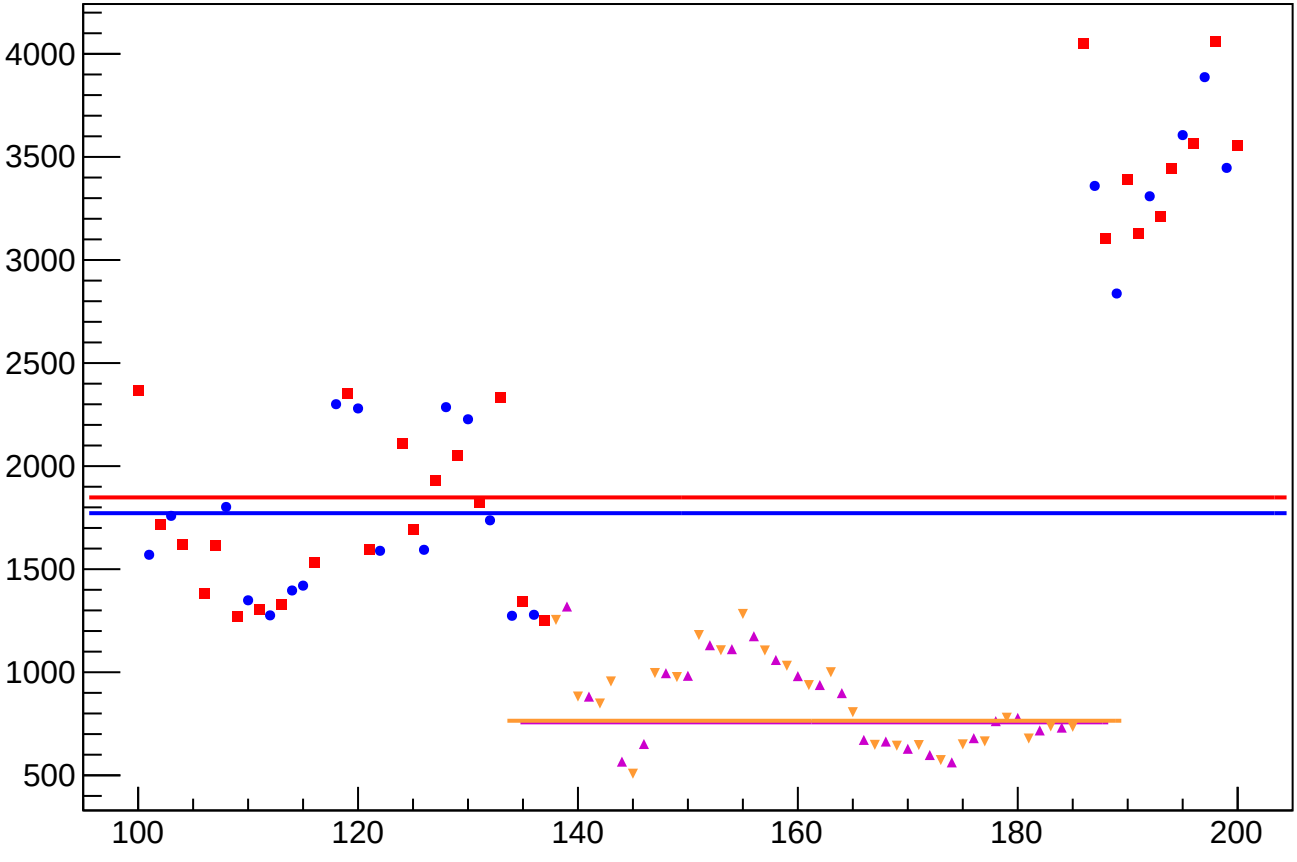
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -809.847+/-171.287 χ^2/NDF: 98.1/46

All: -534.010+/-121.867 χ^2/NDF: 156.2/97

- sign -251.241+/-173.426 χ^2/NDF: 52.9/50

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1771.714+/-0.396 χ^2/NDF: 2873765.3/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1848.193+/-0.382 χ^2/NDF: 3756389.9/27

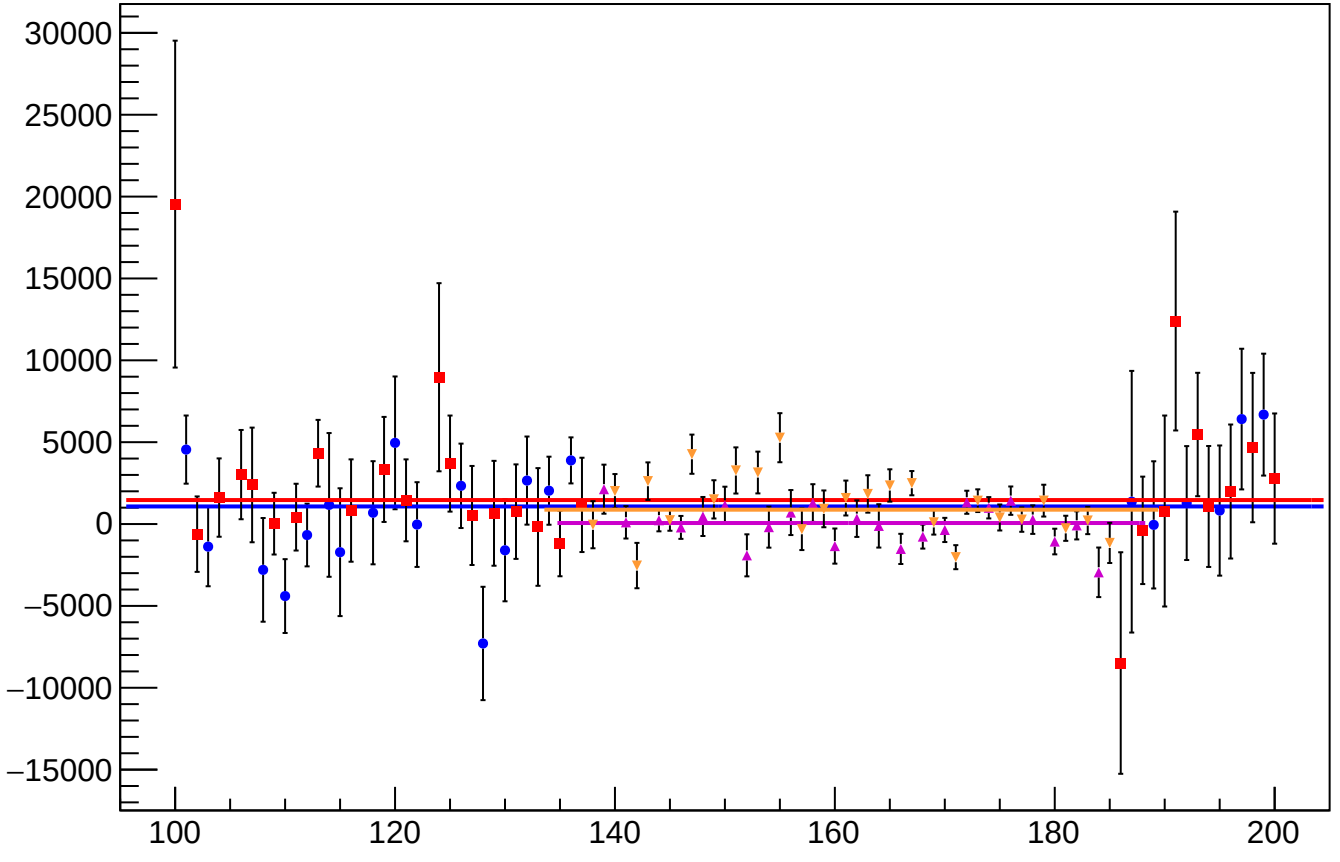
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 858.811+/-0.121 χ^2/NDF: 11153836.0/46

All: 864.073+/-0.086 χ^2/NDF: 24353723.9/97

- sign 869.466+/-0.123 χ^2/NDF: 13196066.1/50

asym_sam3_mean vs Slug



Right In: 1074.783+/-580.655 χ^2/NDF: 29.0/21

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1465.172+/-566.786 χ^2/NDF: 19.1/27

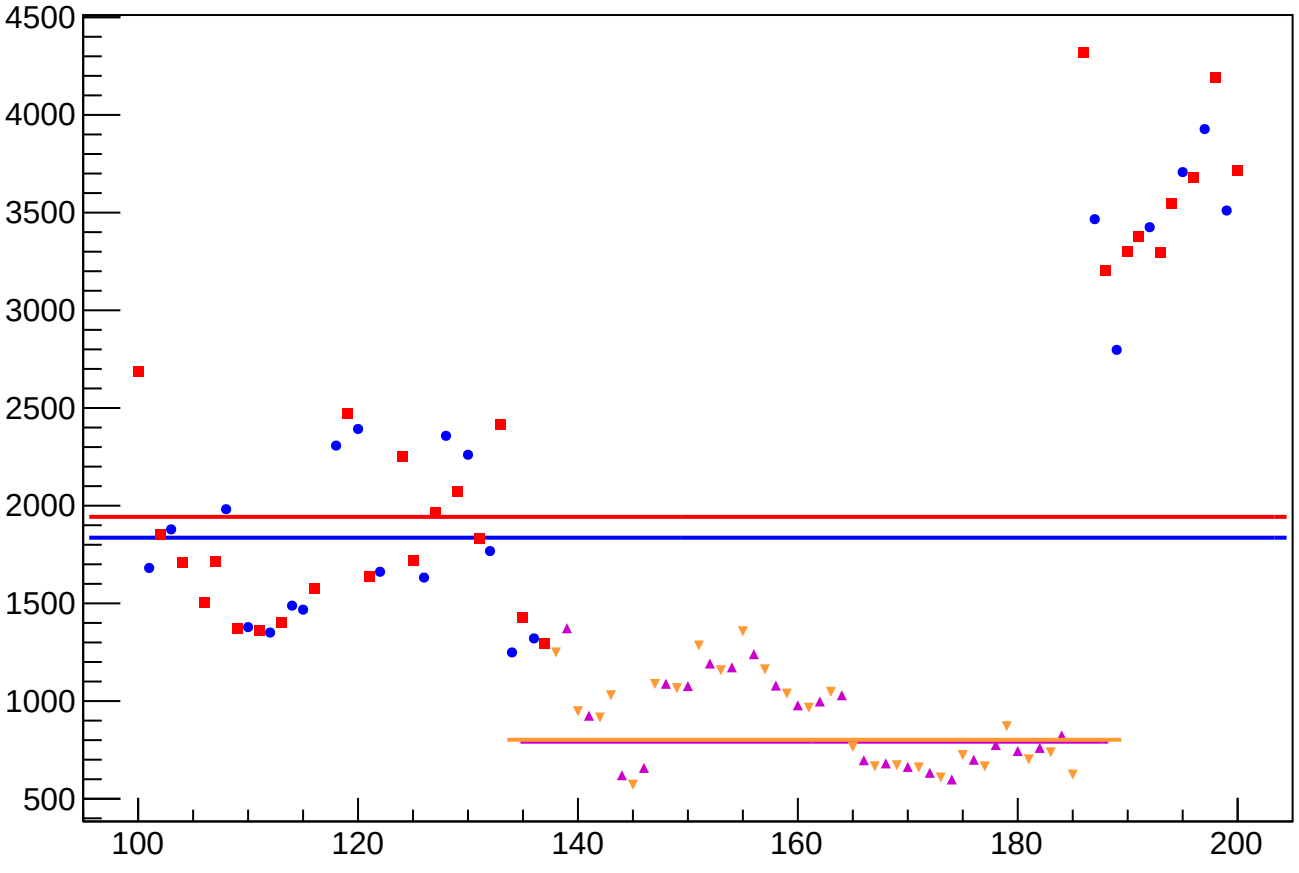
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 895.479+/-179.718 χ^2/NDF: 96.3/46

All: 554.438+/-127.707 χ^2/NDF: 155.3/97

- sign 206.575+/-181.506 χ^2/NDF: 51.7/50

asym_sam3_rms vs Slug



Right In: 1836.258+/-0.411 χ^2/NDF: 2818743.6/21

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1942.836+/-0.401 χ^2/NDF: 3606416.2/27

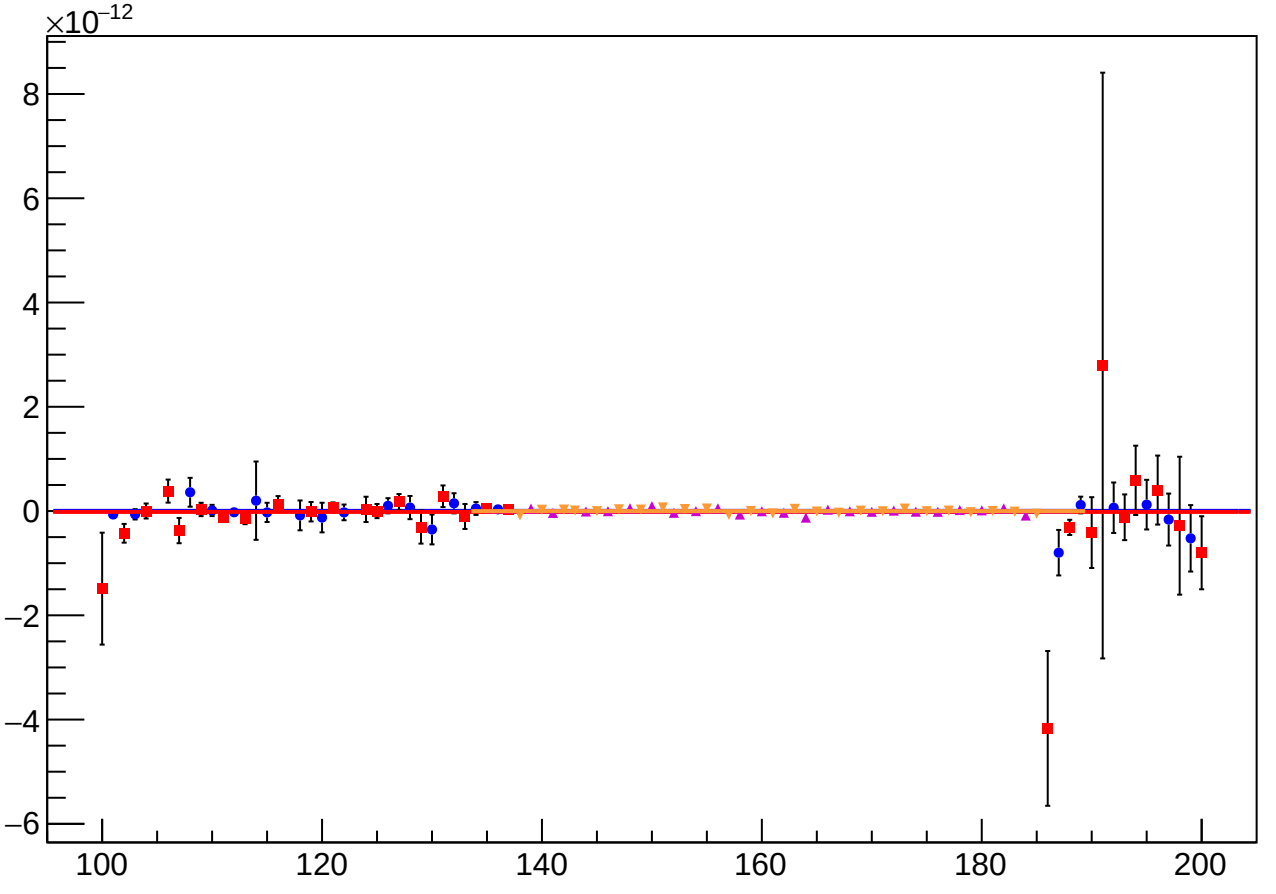
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 901.090+/-0.127 χ^2/NDF: 10952055.8/46

All: 905.538+/-0.090 χ^2/NDF: 24095683.1/97

- sign 910.075+/-0.128 χ^2/NDF: 13141152.7/50

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

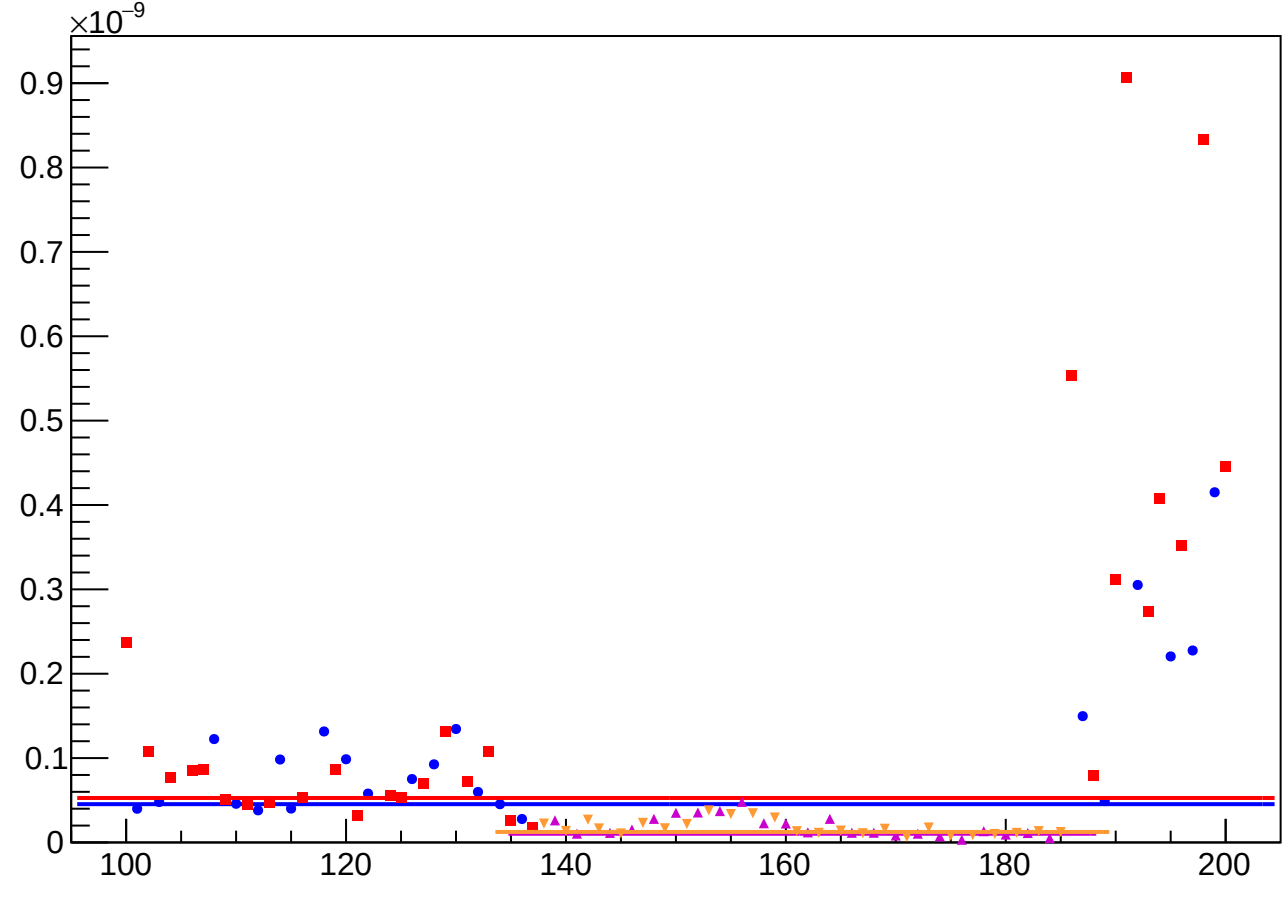
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/27

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/46

All: -0.000+/-0.000 χ^2/NDF: 106.7/97

- sign -0.000+/-0.000 χ^2/NDF: 70.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 3076805.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4924341.1/27

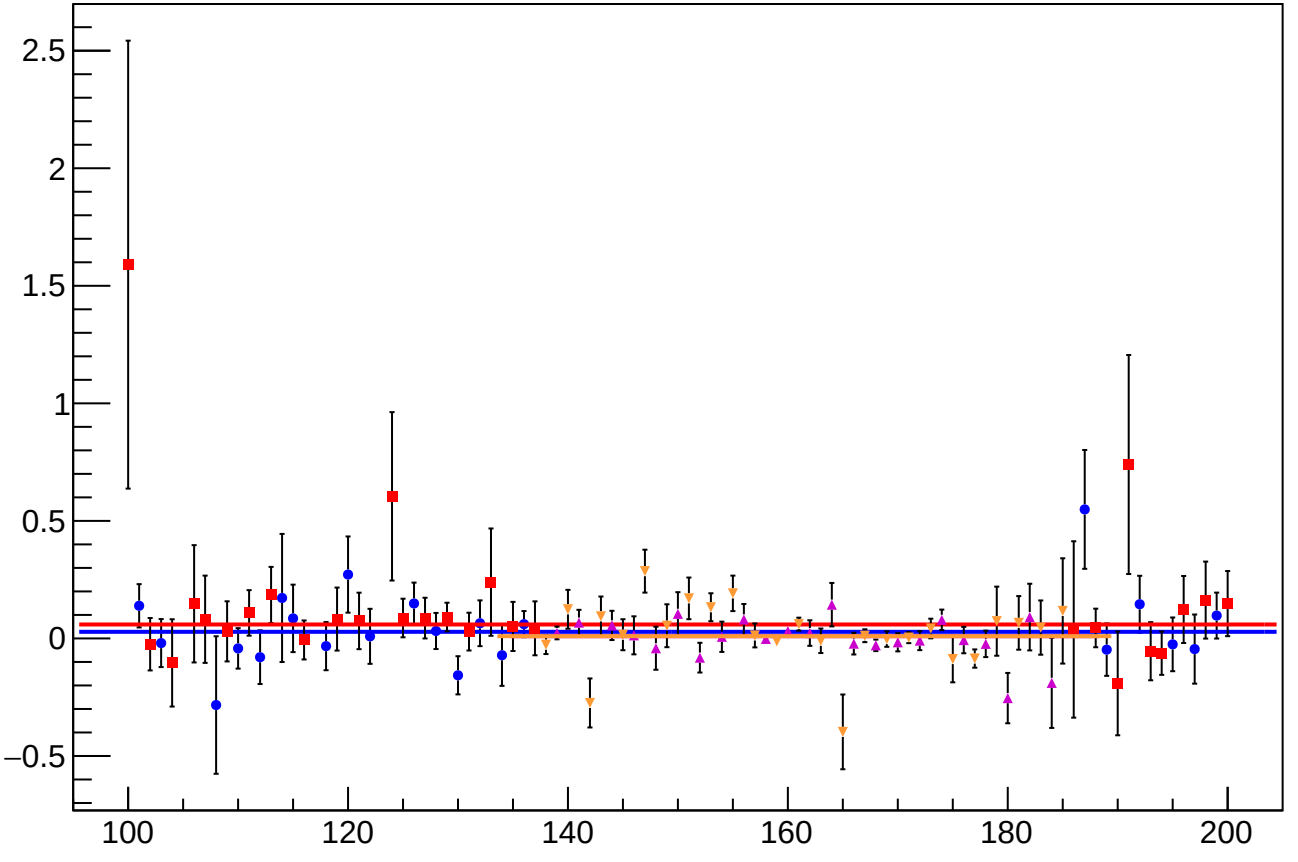
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8216231.5/46

All: 0.000+/-0.000 χ^2/NDF: 21047904.7/97

- sign 0.000+/-0.000 χ^2/NDF: 12631574.0/50

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.059+/-0.022 χ^2/NDF: 16.8/27

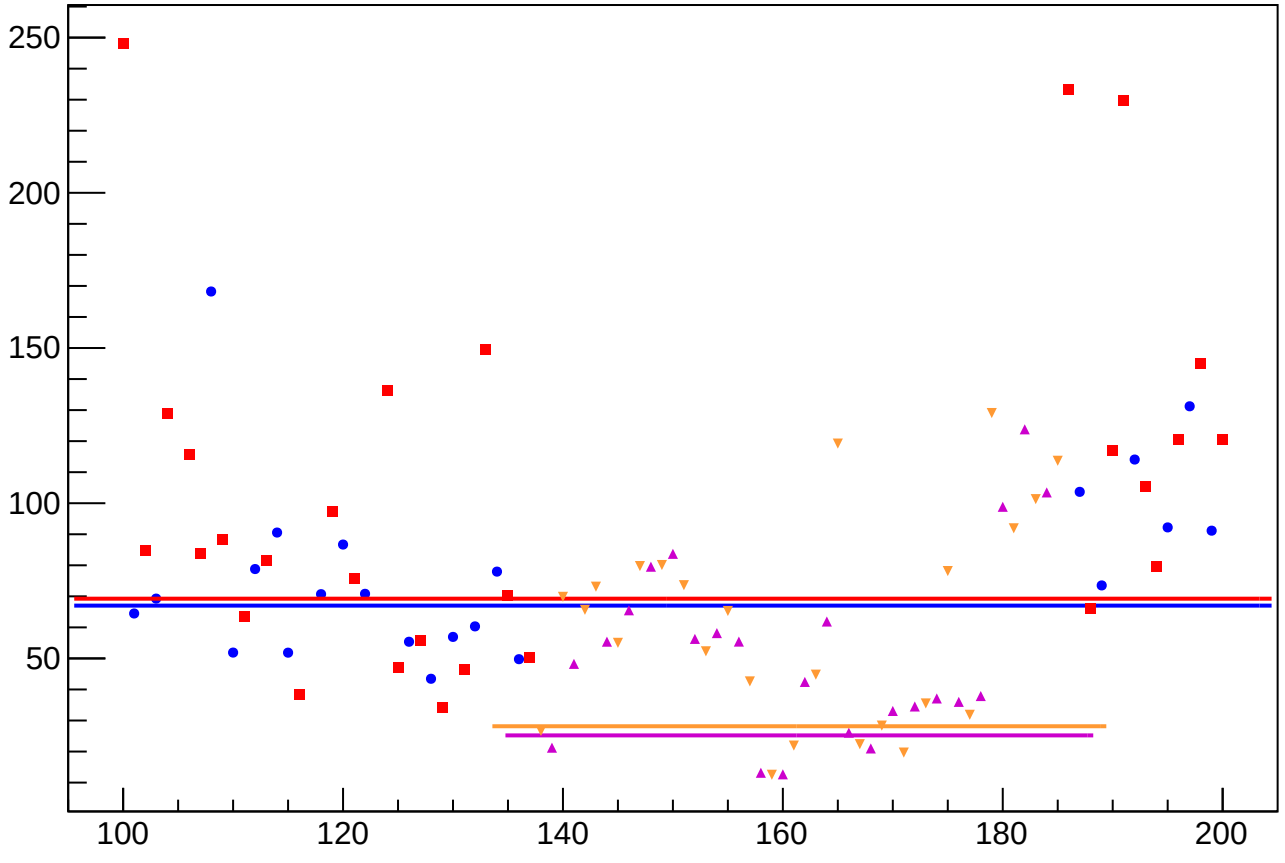
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.014+/-0.005 χ^2/NDF: 124.1/97

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

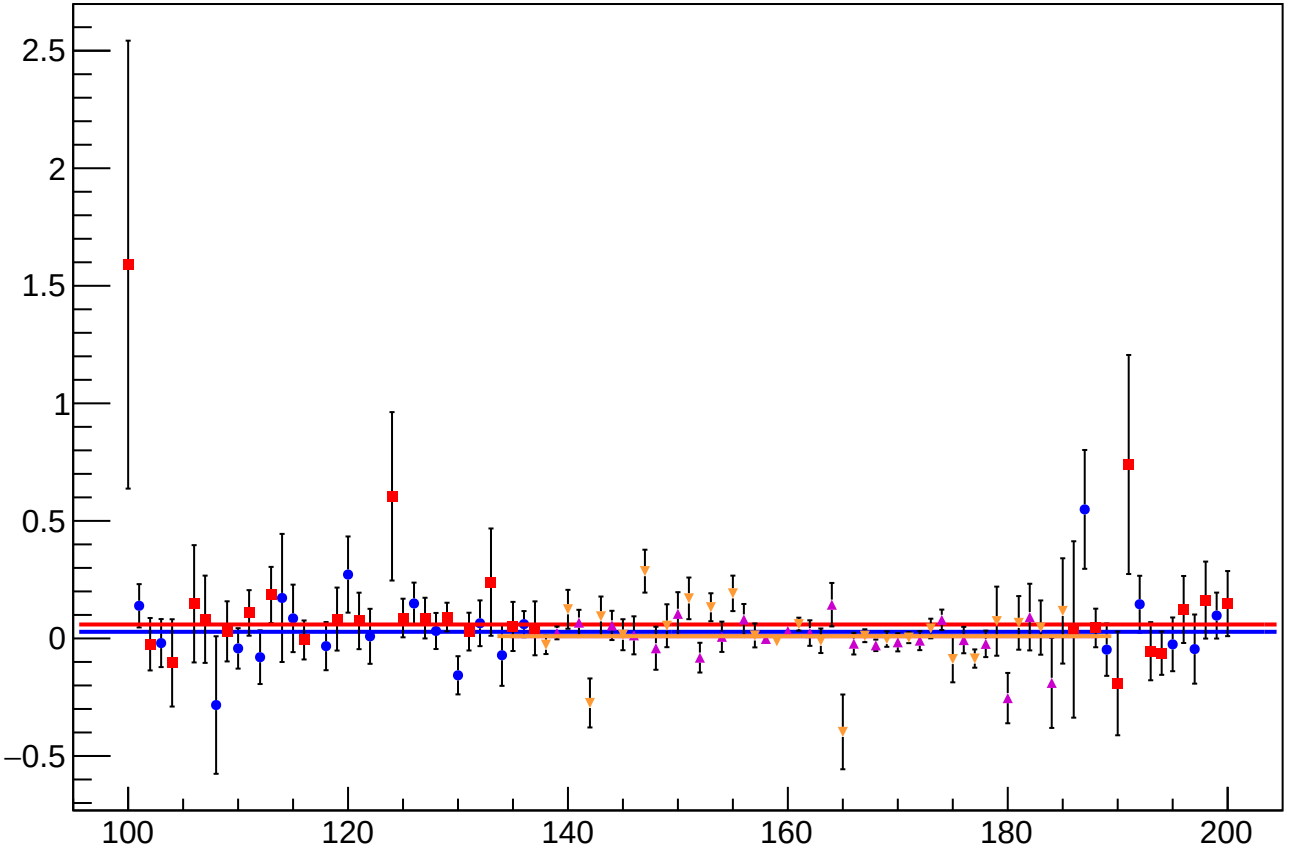
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.089+/-0.006 χ^2/NDF: 18254540.7/46

All: 31.595+/-0.004 χ^2/NDF: 39555984.7/97

- sign 30.267+/-0.005 χ^2/NDF: 21166481.3/50

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.059+/-0.022 χ^2/NDF: 16.8/27

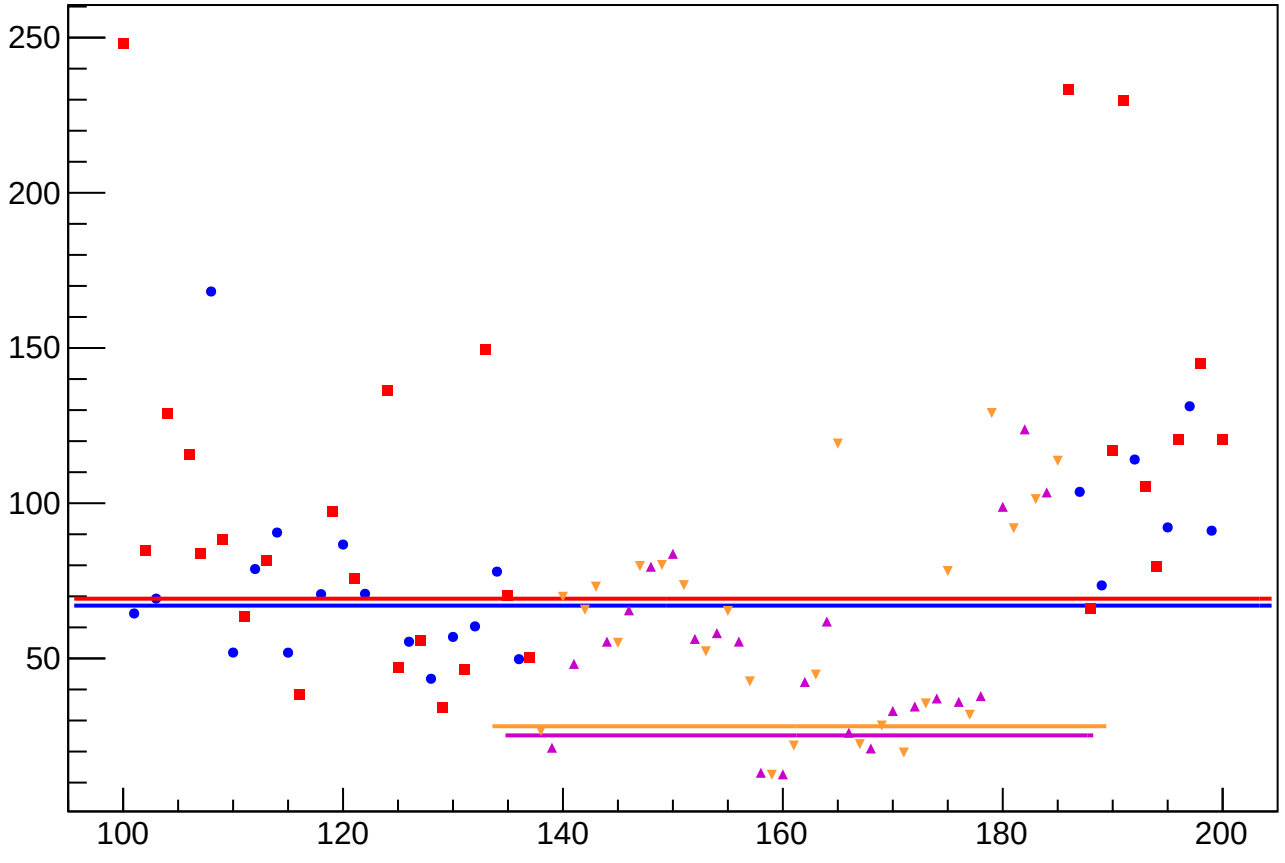
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.014+/-0.005 χ^2/NDF: 124.1/97

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

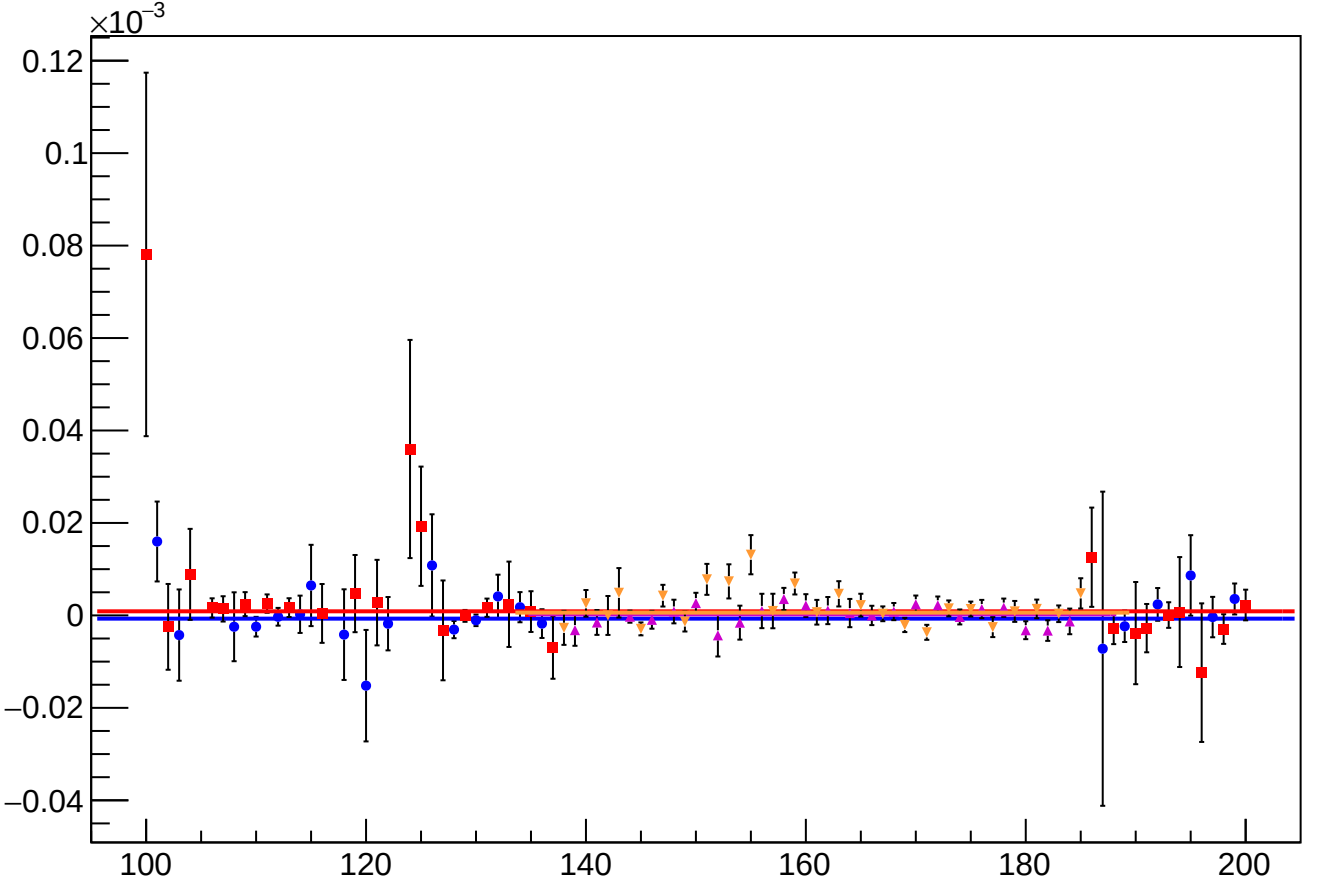
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.089+/-0.006 χ^2/NDF: 18254540.7/46

All: 31.595+/-0.004 χ^2/NDF: 39555984.7/97

- sign 30.267+/-0.005 χ^2/NDF: 21166481.3/50

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/27

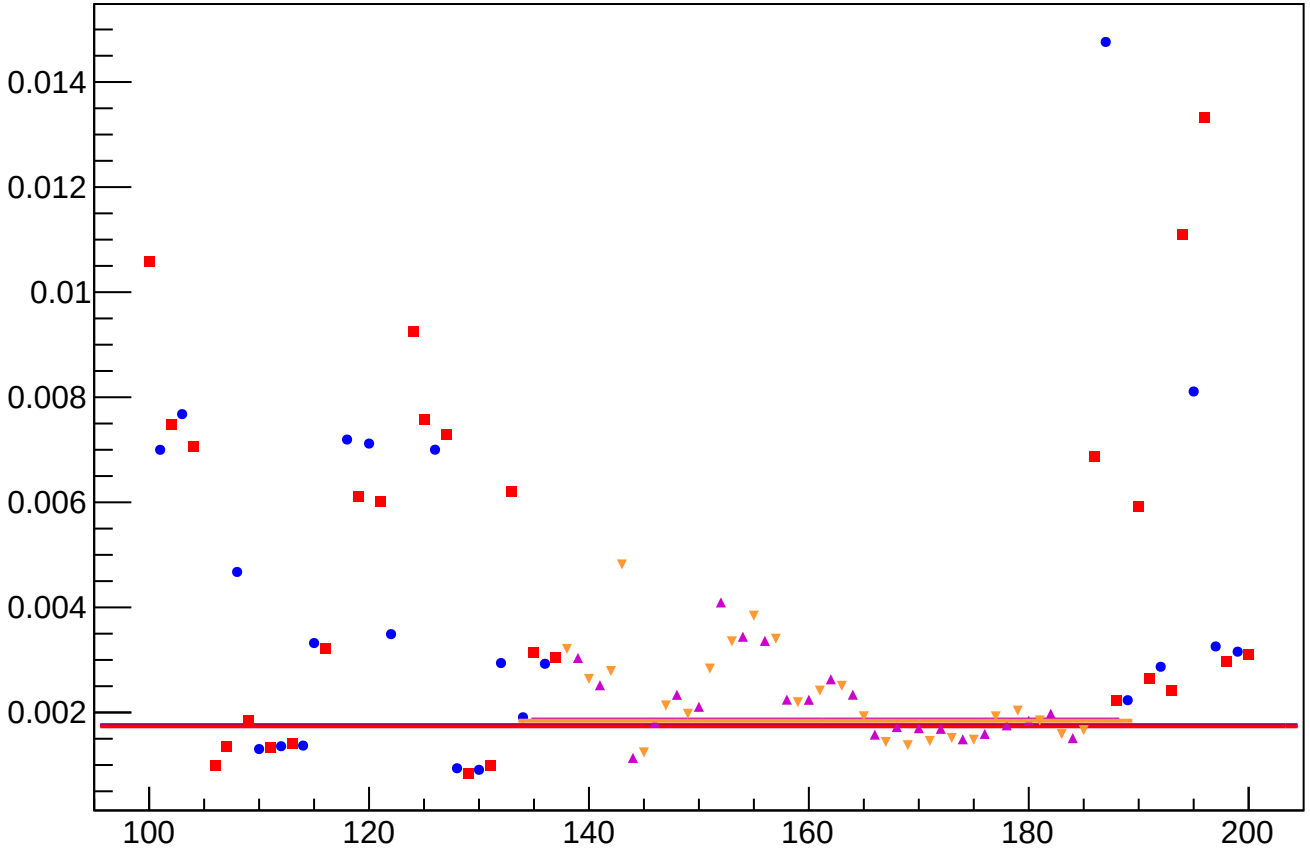
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.2/46

All: 0.000+/-0.000 χ^2/NDF: 106.0/97

- sign 0.000+/-0.000 χ^2/NDF: 35.6/50

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7561343.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10183686.4/27

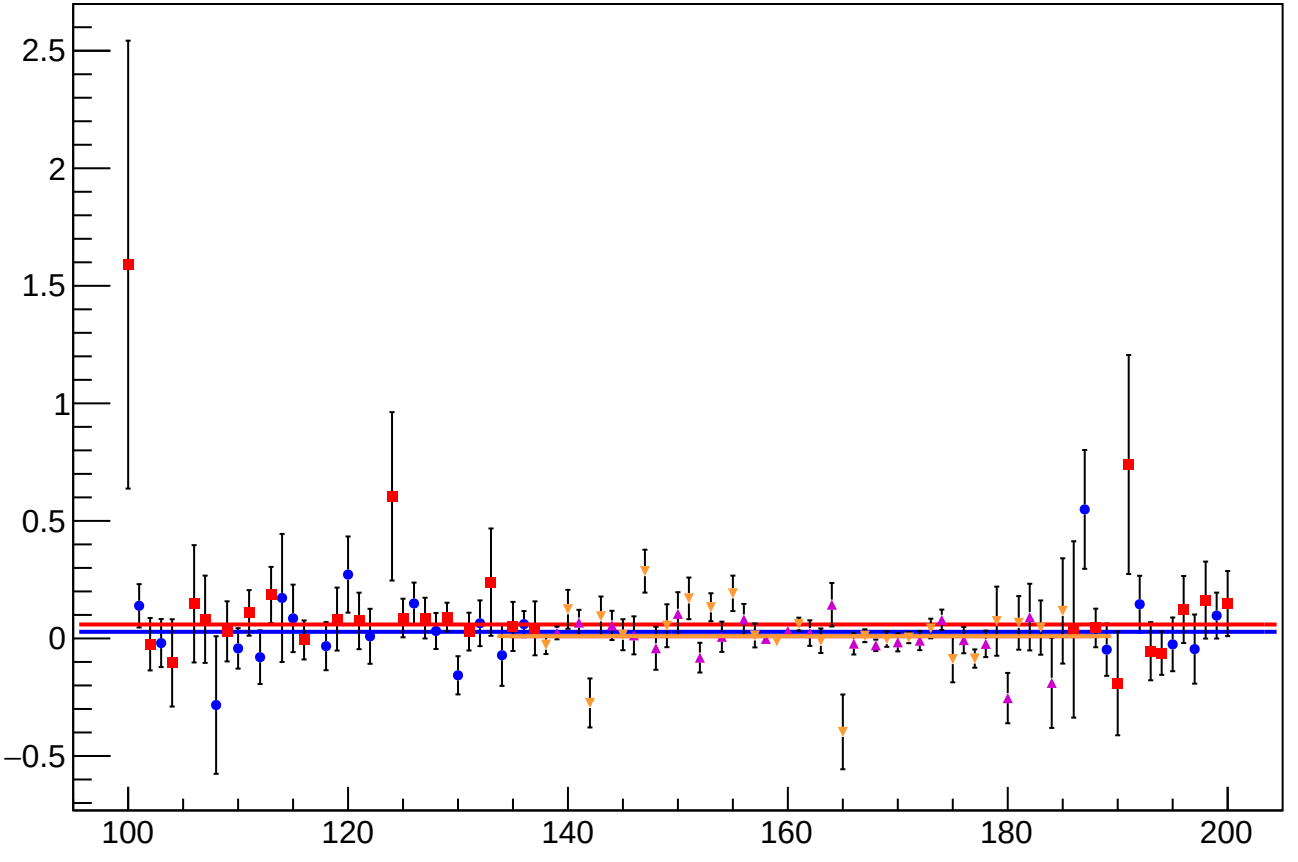
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11367215.5/46

All: 0.002+/-0.000 χ^2/NDF: 24399023.2/97

- sign 0.002+/-0.000 χ^2/NDF: 13031731.7/50

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.059+/-0.022 χ^2/NDF: 16.8/27

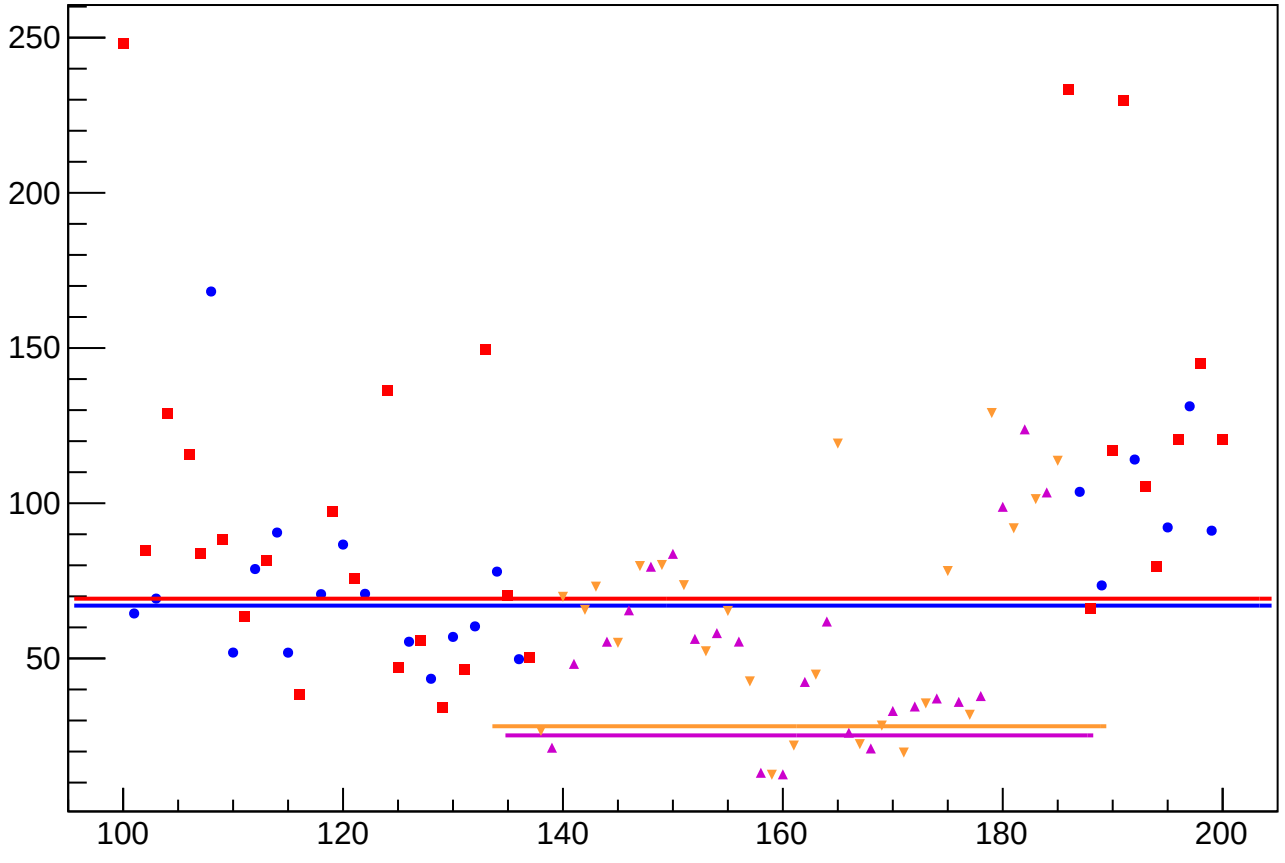
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.014+/-0.005 χ^2/NDF: 124.1/97

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

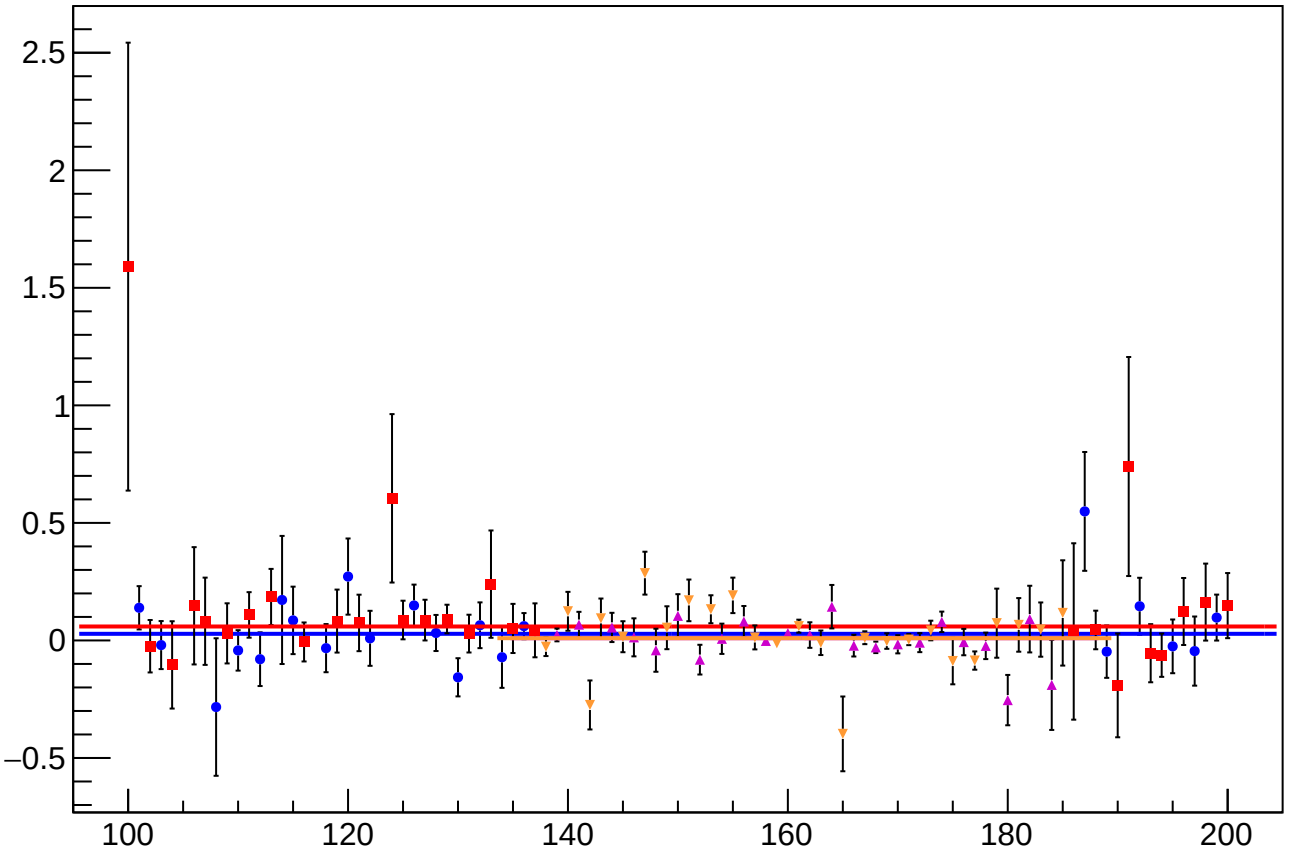
Right Out: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 33.087+/-0.006 χ^2/NDF: 18256002.2/46

All: 31.595+/-0.004 χ^2/NDF: 39558188.6/97

\- sign 30.266+/-0.005 χ^2/NDF: 21167303.9/50



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.059+/-0.022 χ^2/NDF: 16.8/27

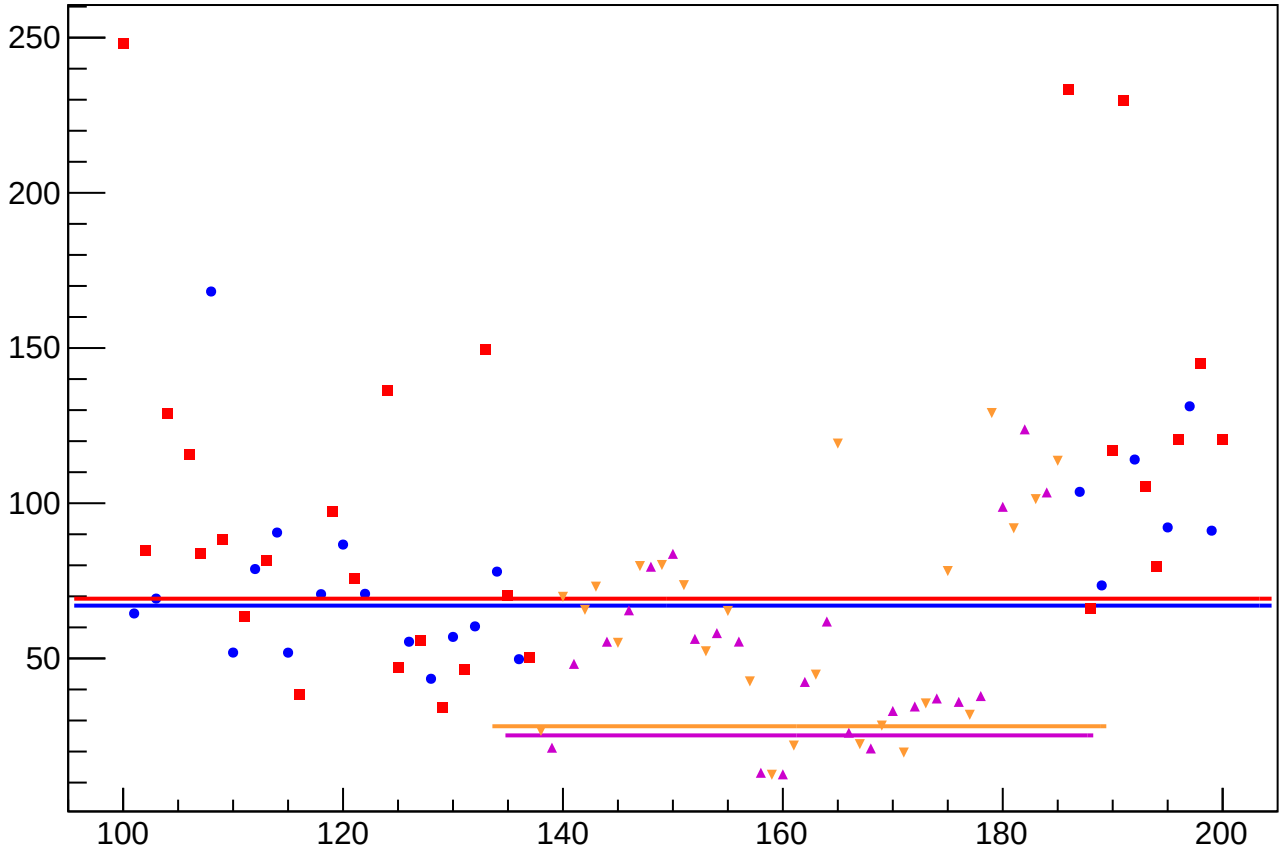
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.014+/-0.005 χ^2/NDF: 124.1/97

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

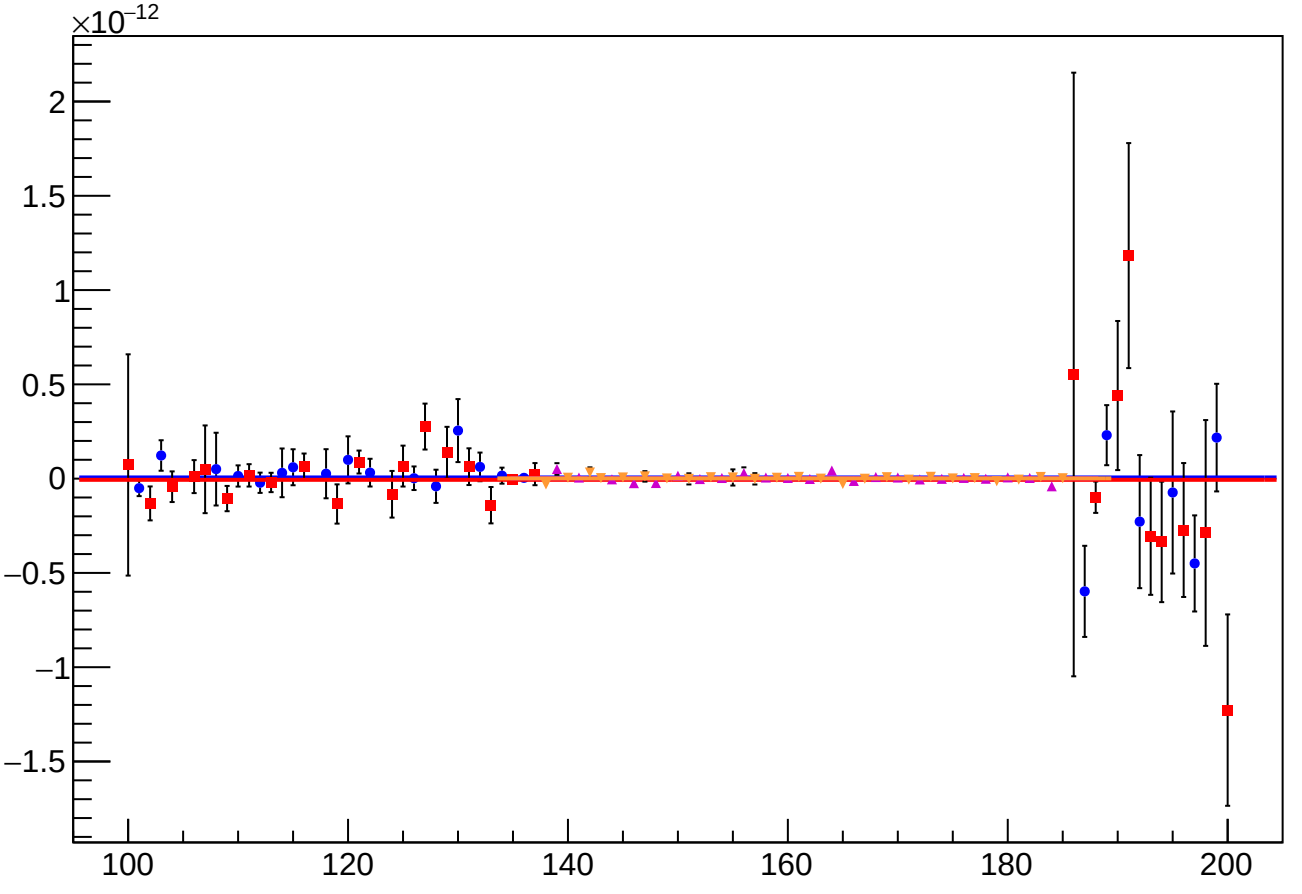
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 33.087+/-0.006 χ^2/NDF: 18256002.2/46

All: 31.595+/-0.004 χ^2/NDF: 39558188.6/97

\- sign 30.266+/-0.005 χ^2/NDF: 21167303.9/50

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

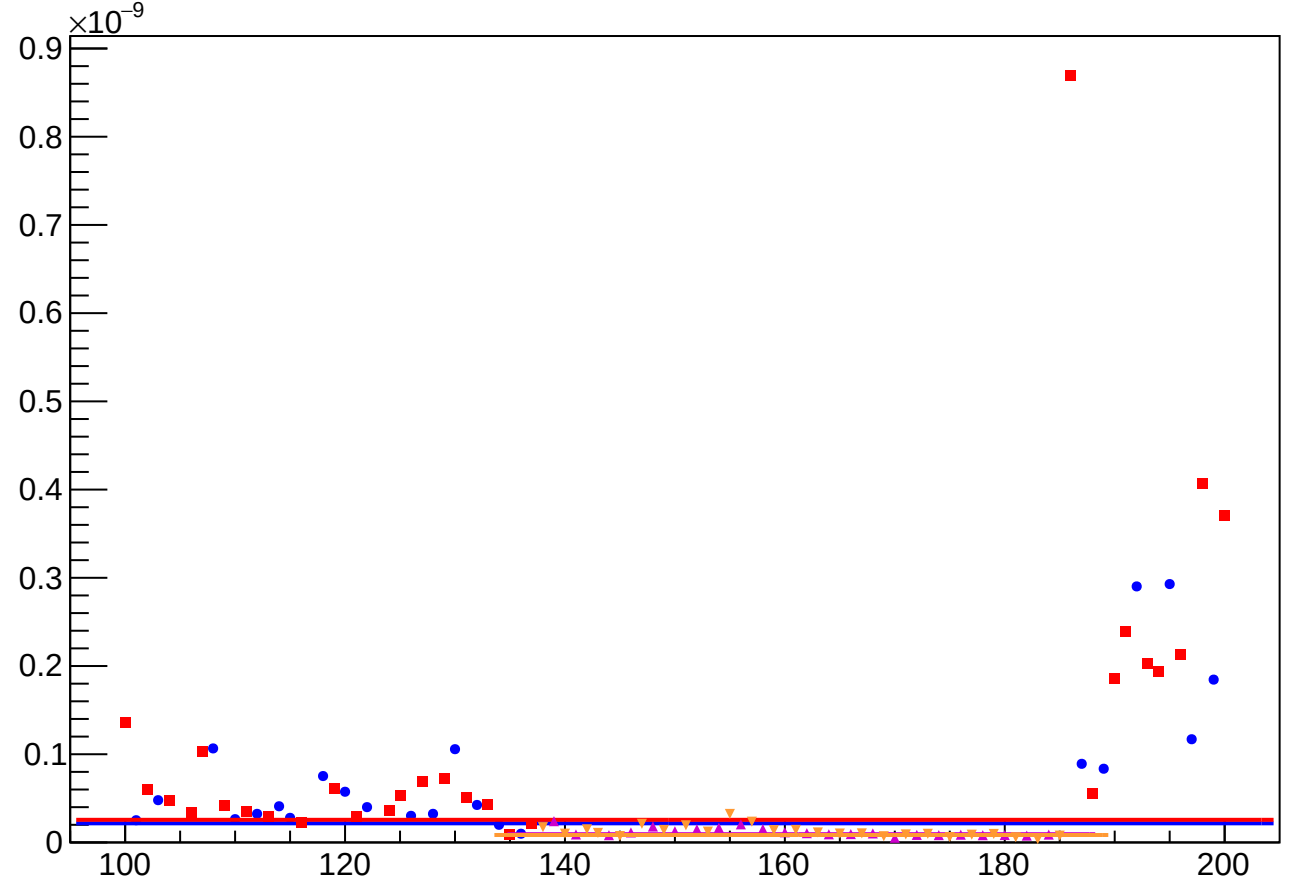
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/46

All: 0.000+/-0.000 χ^2/NDF: 88.4/97

- sign 0.000+/-0.000 χ^2/NDF: 56.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 6499850.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8495153.2/27

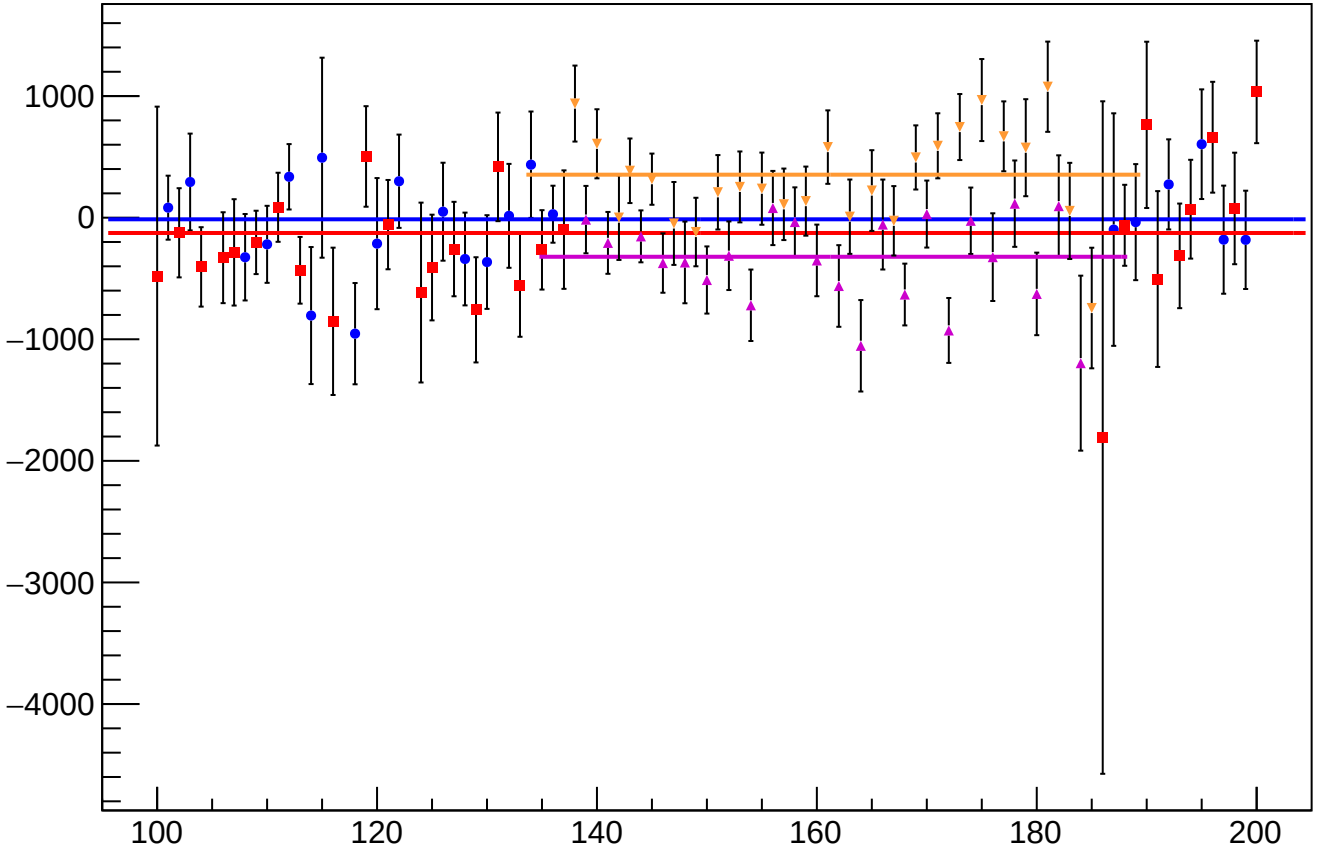
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13127453.5/46

All: 0.000+/-0.000 χ^2/NDF: 26766777.8/97

- sign 0.000+/-0.000 χ^2/NDF: 13498771.5/50

reg_asym_sam4_mean vs Slug



Right In: -13.425+/-81.475 χ^2/NDF: 17.3/21

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -125.904+/-76.864 χ^2/NDF: 26.3/27

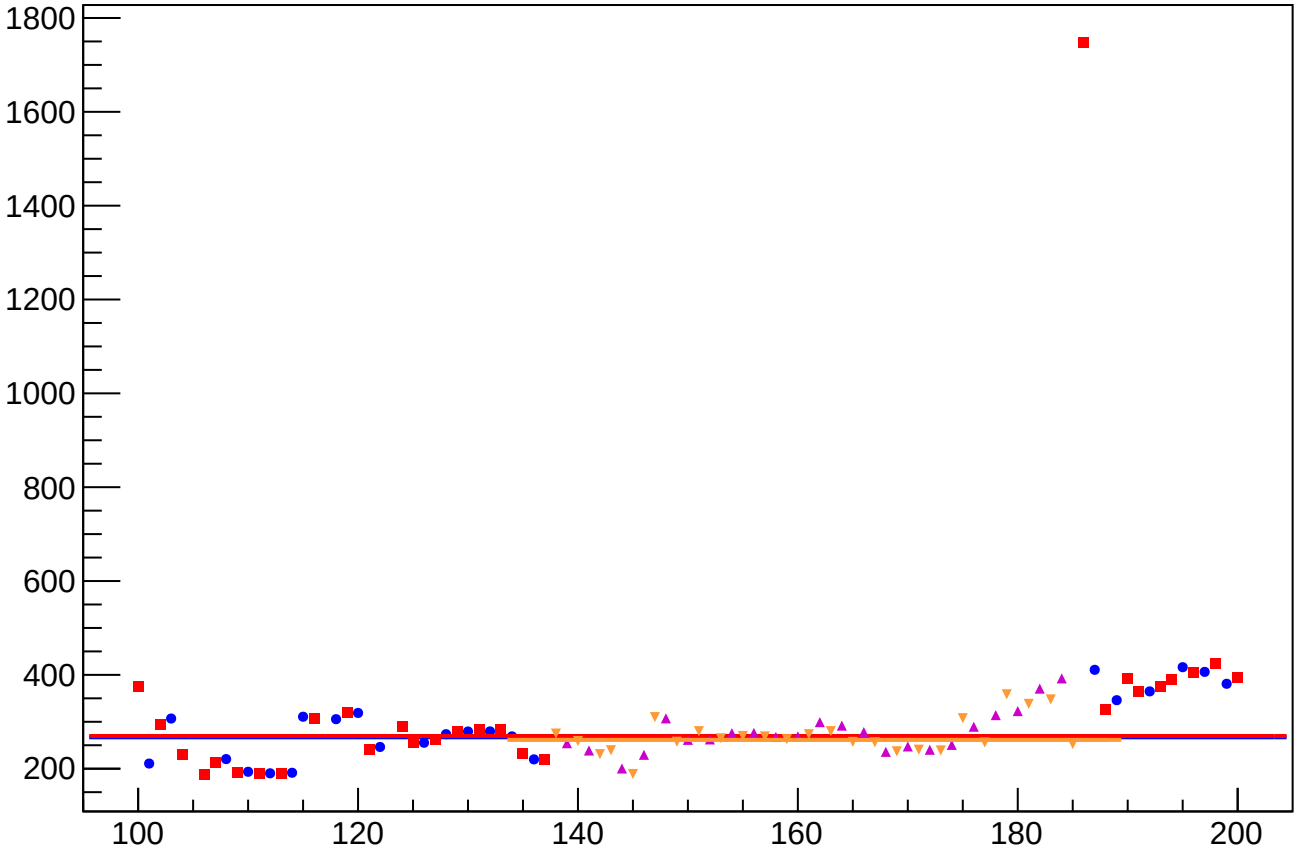
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 224.142+/-48.391 χ^2/NDF: 62.8/46

All: -10.434+/-34.189 χ^2/NDF: 166.1/97

- sign -244.237+/-48.311 χ^2/NDF: 56.4/50

reg_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400316.9/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 269.762+/-0.054 χ^2/NDF: 2391402.8/27

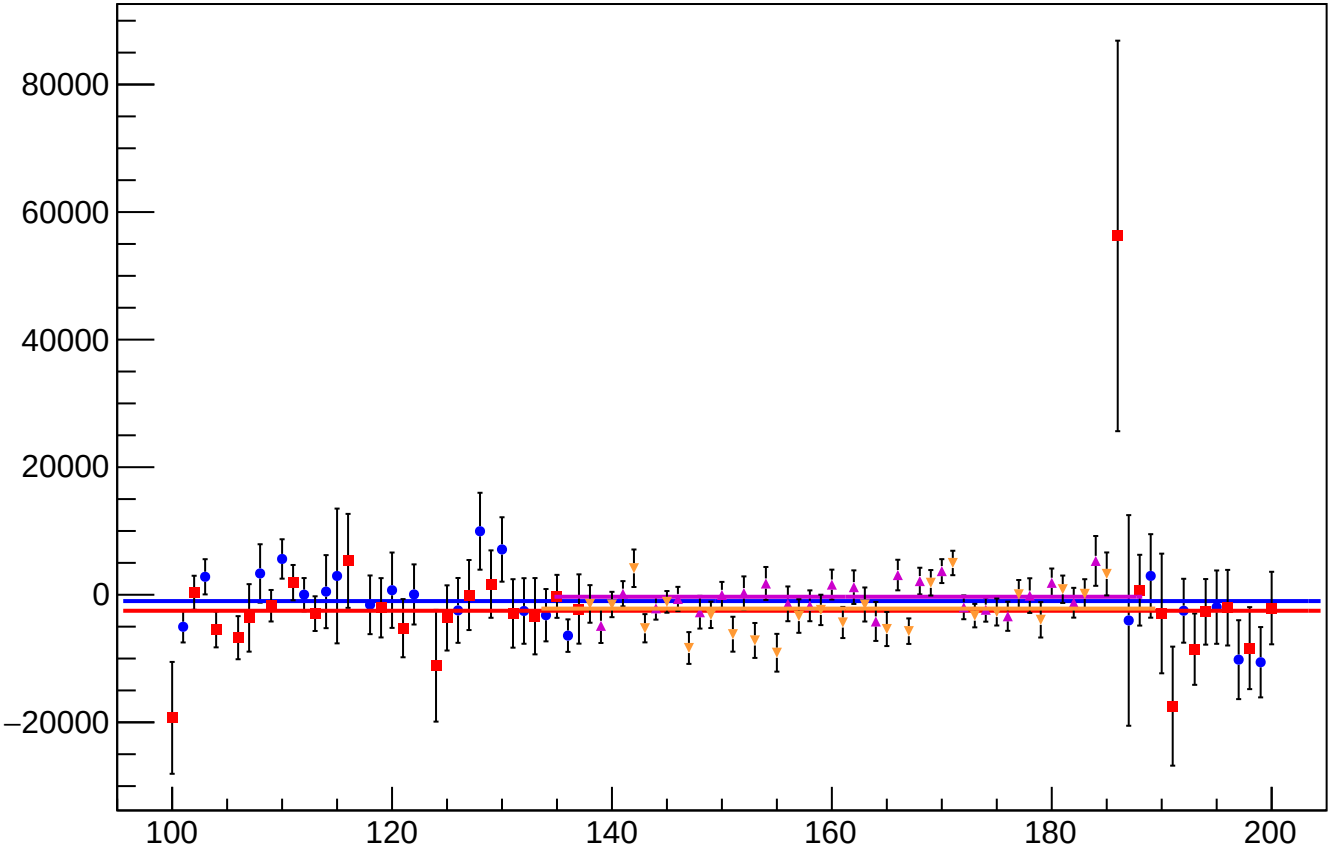
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121733.8/46

All: 264.430+/-0.024 χ^2/NDF: 5195987.3/97

- sign 265.439+/-0.034 χ^2/NDF: 3072506.4/50

asym_sam4_reg_correction_mean vs Slug



Right In: -991.774+/-887.315 χ^2/NDF: 27.2/21

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2509.987+/-827.461 χ^2/NDF: 22.6/27

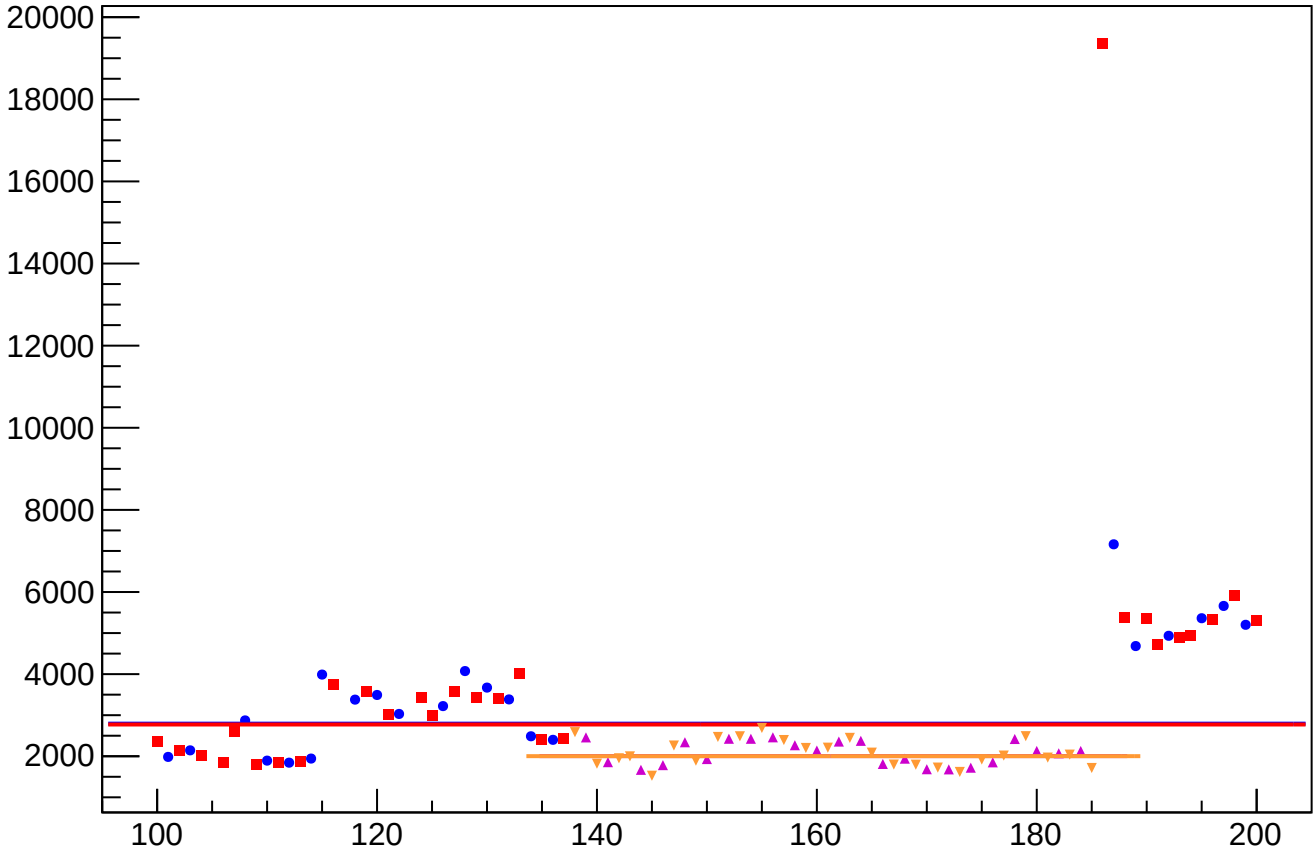
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.457+/-409.536 χ^2/NDF: 84.1/46

All: -1390.839+/-290.226 χ^2/NDF: 138.9/97

- sign -856.510+/-411.354 χ^2/NDF: 51.5/50

asym_sam4_reg_correction_rms vs Slug



Right In: 2793.728+/-0.627 χ^2/NDF: 3031590.5/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

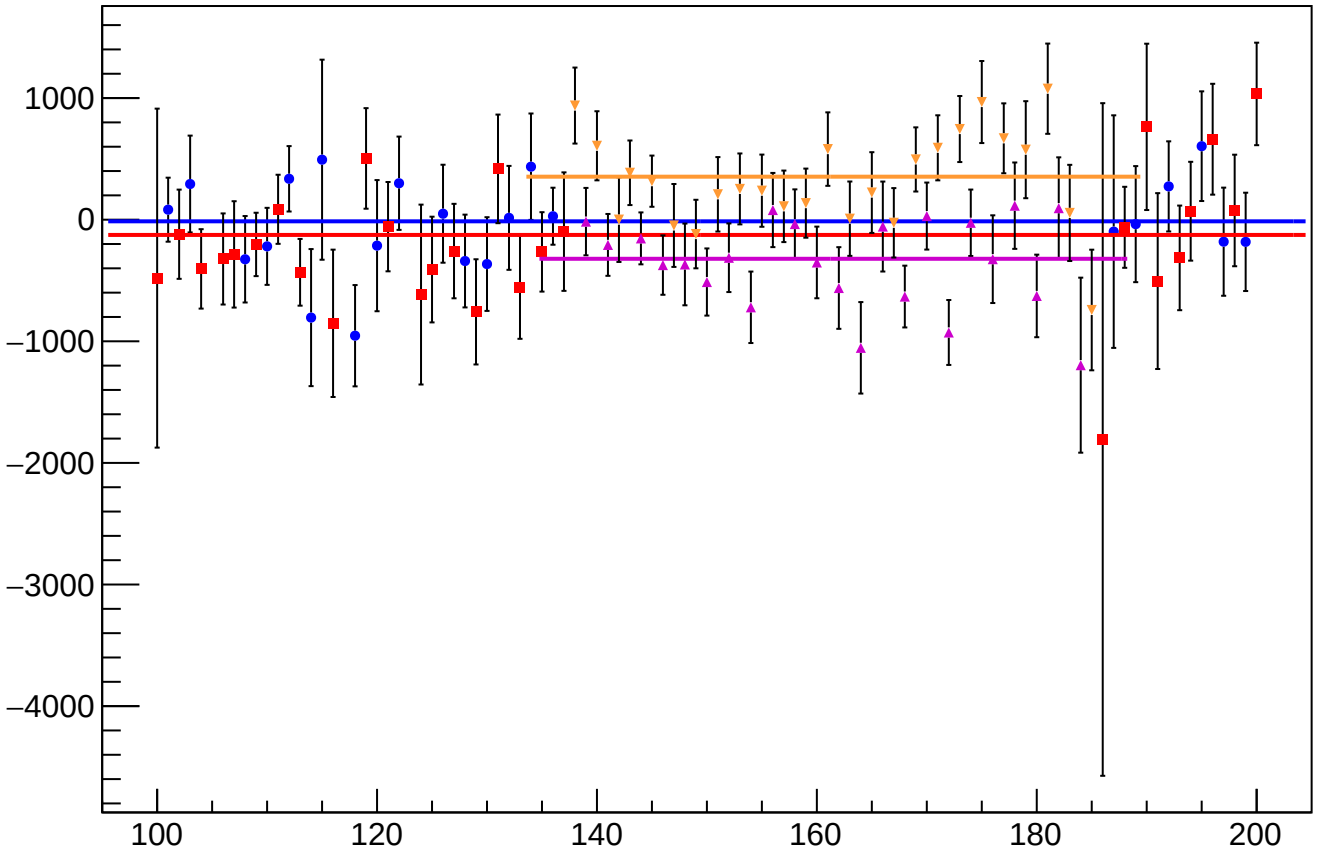
Right Out: 2773.399+/-0.585 χ^2/NDF: 4666187.7/27

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2170.838+/-0.290 χ^2/NDF: 5176679.9/46

All: 2182.532+/-0.205 χ^2/NDF: 11852068.4/9

- sign 2194.330+/-0.291 χ^2/NDF: 6672112.6/50



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -125.387+/-76.873 χ^2/NDF: 26.2/27

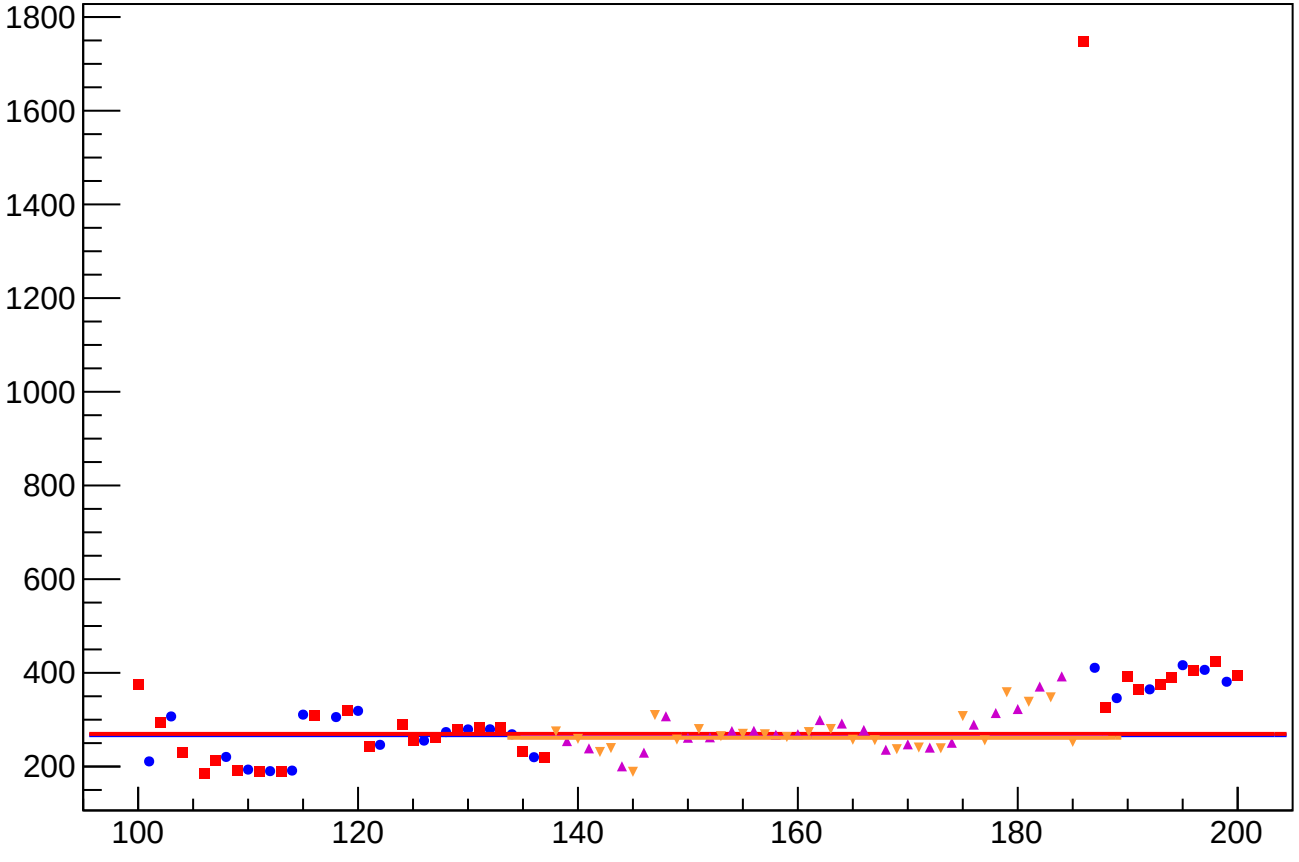
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 224.151+/-48.391 χ^2/NDF: 62.8/46

All: -10.323+/-34.190 χ^2/NDF: 166.1/97

- sign -244.047+/-48.313 χ^2/NDF: 56.4/50

cor_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

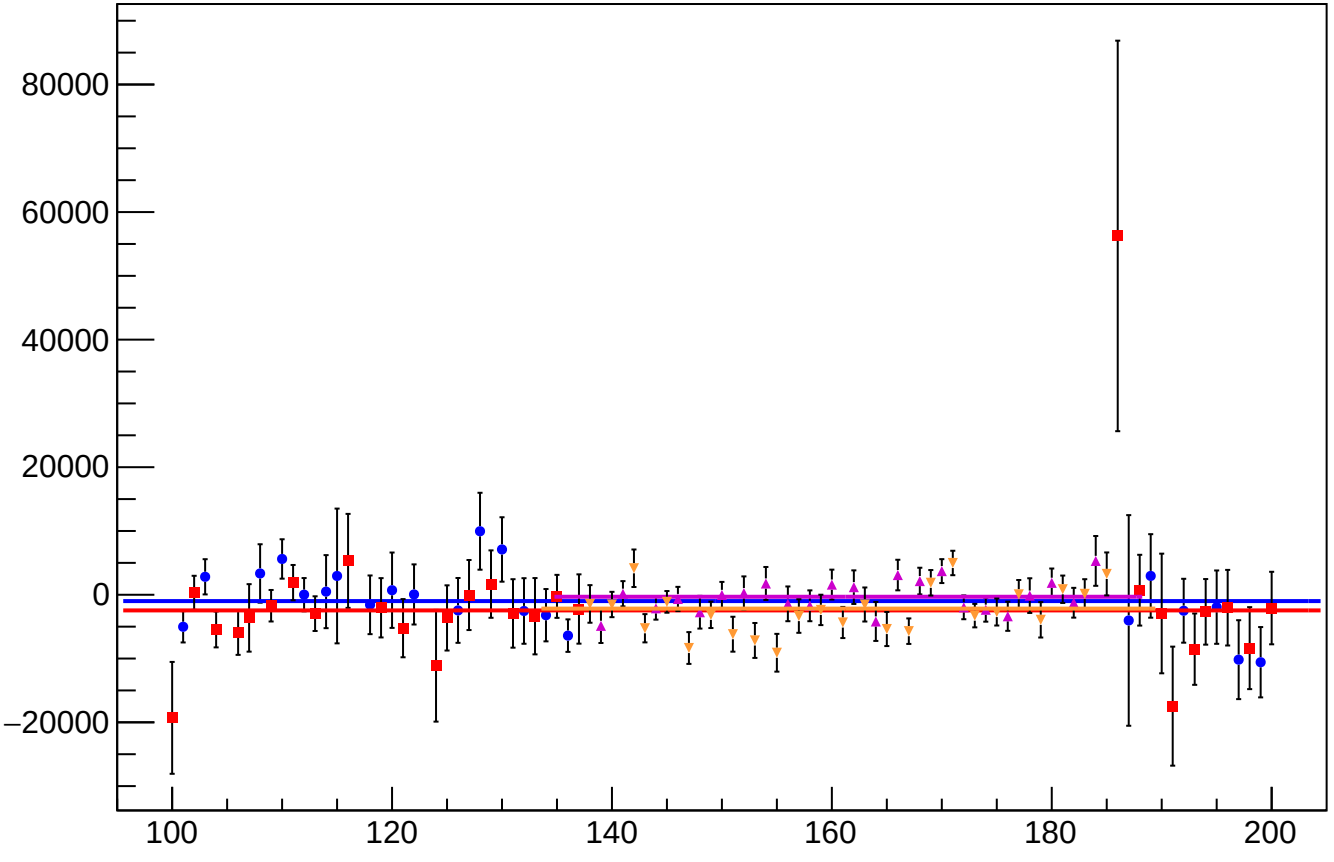
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121735.5/46

All: 264.413+/-0.024 χ^2/NDF: 5201307.5/97

- sign 265.405+/-0.034 χ^2/NDF: 3077883.1/50

asym_sam4_cor_correction_mean vs Slug



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2453.426+/-828.801 χ^2/NDF: 22.0/27

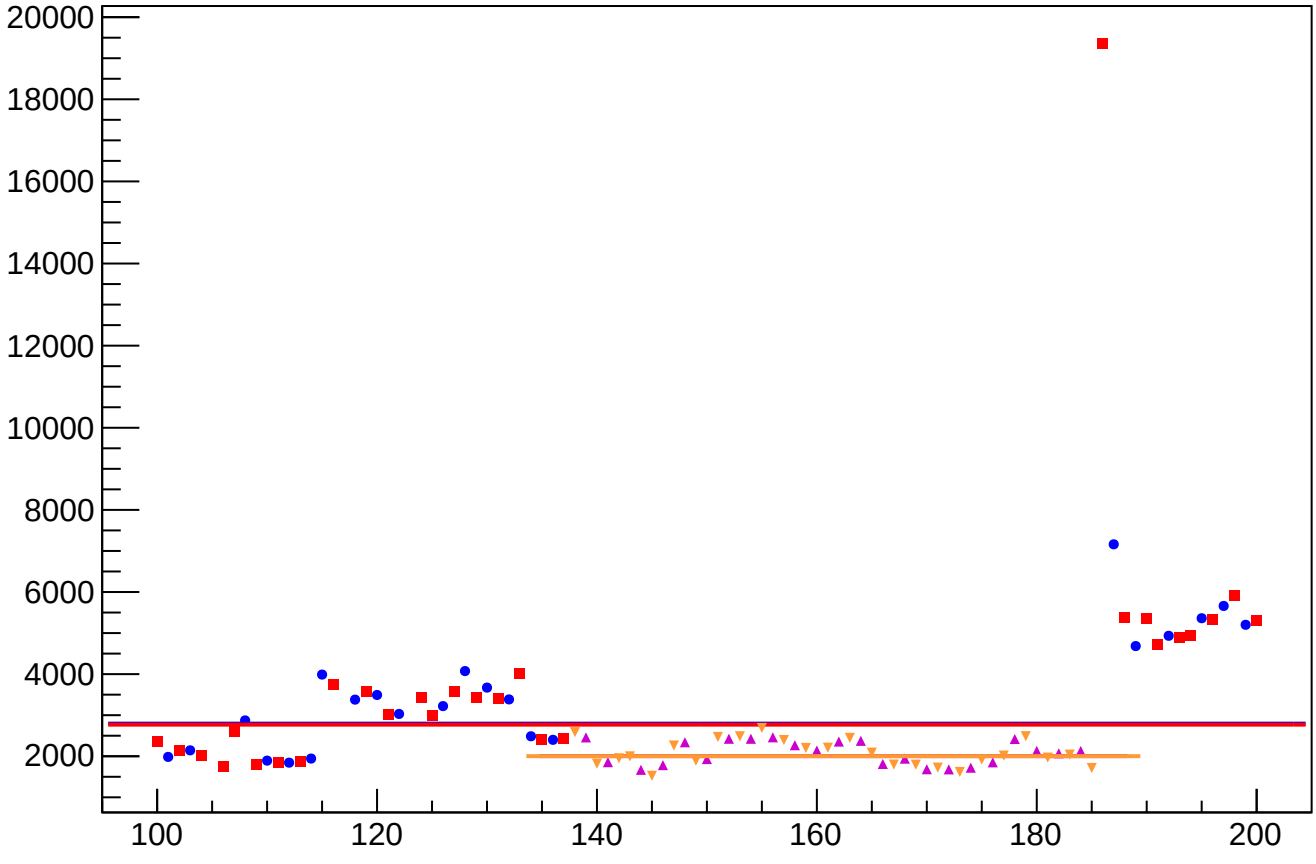
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.471+/-409.537 χ^2/NDF: 84.1/46

All: -1383.464+/-290.284 χ^2/NDF: 138.2/97

- sign -841.249+/-411.518 χ^2/NDF: 50.7/50

asym_sam4_cor_correction_rms vs Slug



Right In: 2793.755+/-0.627 χ^2/NDF: 3031517.4/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

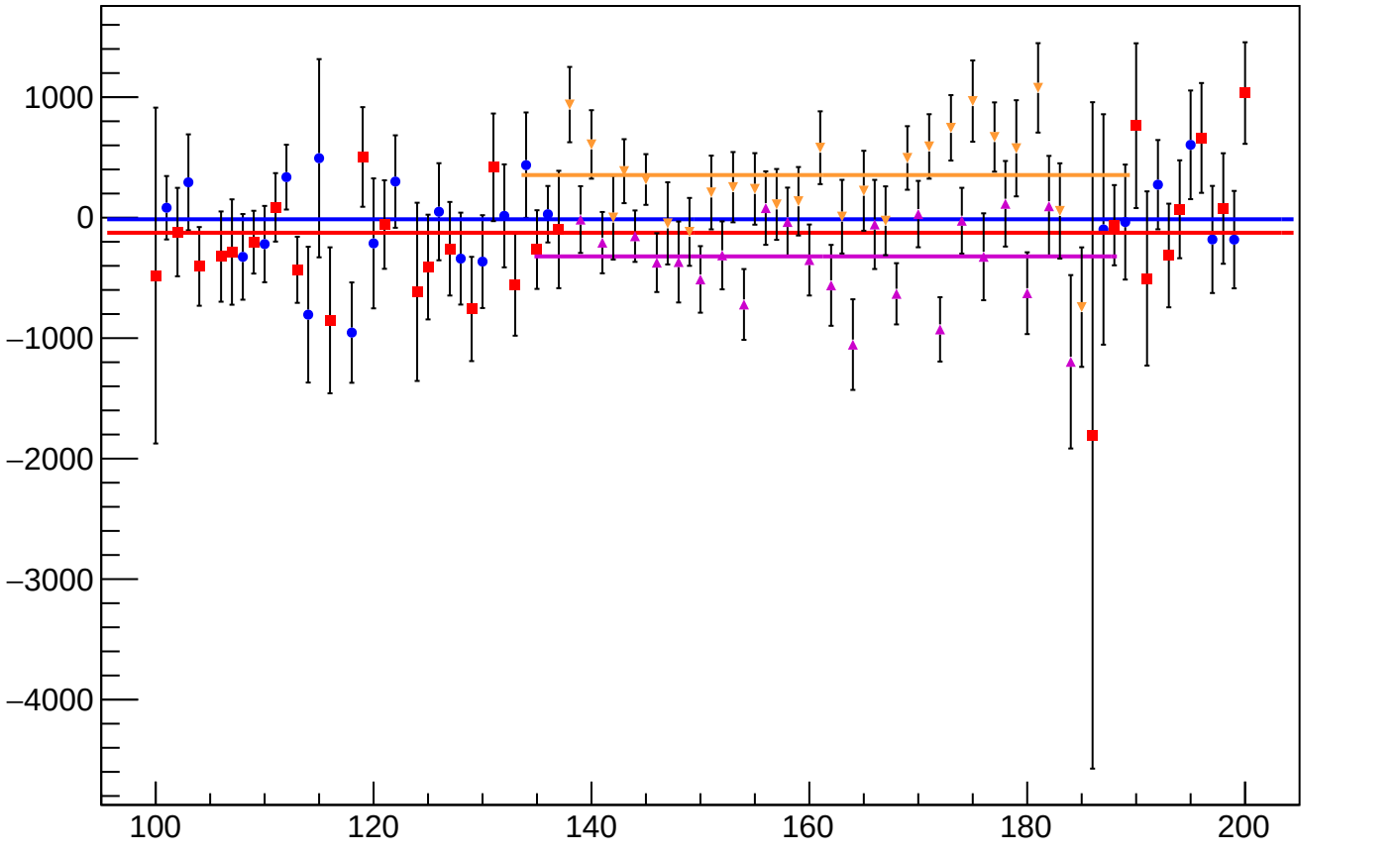
Right Out: 2770.076+/-0.586 χ^2/NDF: 4694122.0/27

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2170.841+/-0.290 χ^2/NDF: 5176675.8/46

All: 2181.891+/-0.205 χ^2/NDF: 11865293.5/9

- sign 2193.048+/-0.291 χ^2/NDF: 6685691.6/50



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -125.387+/-76.873 χ^2/NDF: 26.2/27

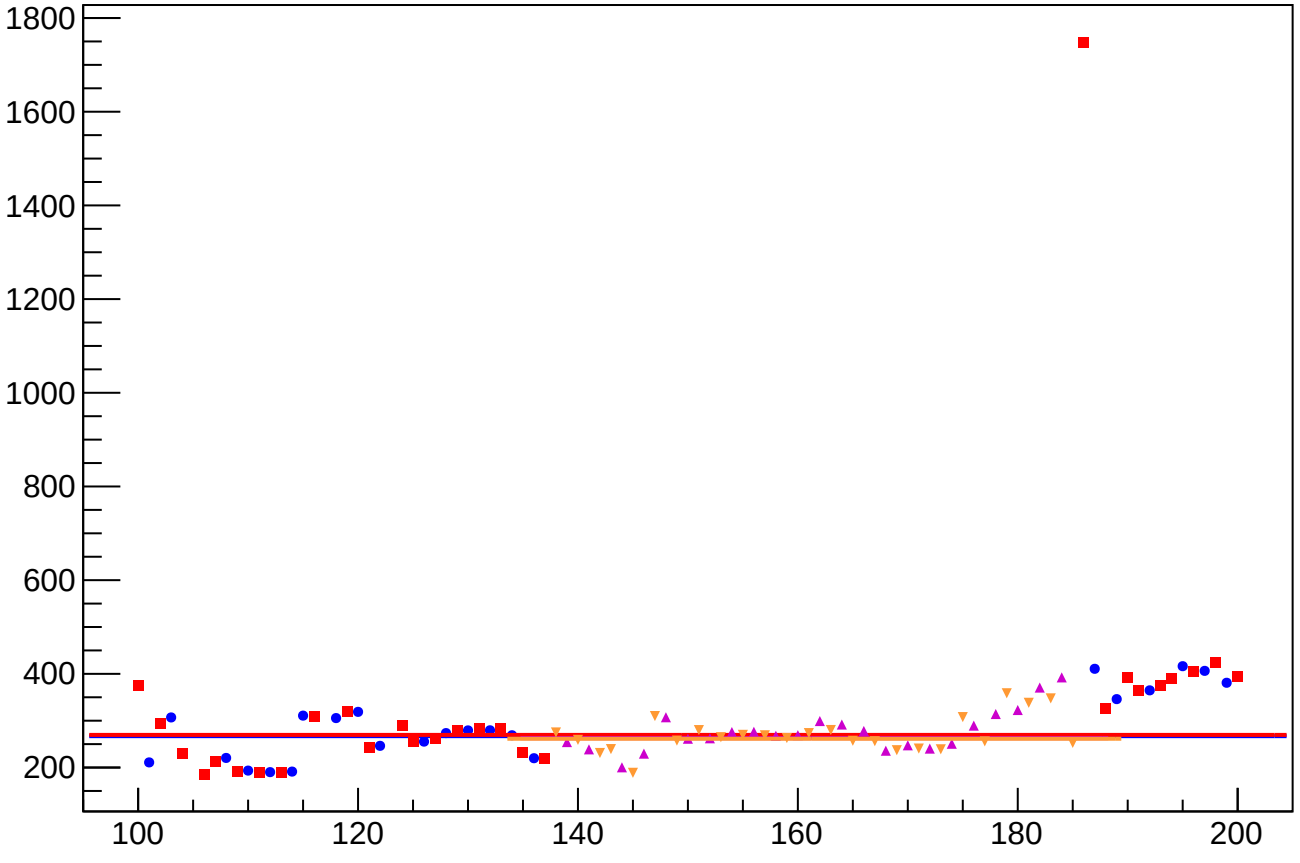
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 224.151+/-48.391 χ^2/NDF: 62.8/46

All: -10.323+/-34.190 χ^2/NDF: 166.1/97

- sign -244.047+/-48.313 χ^2/NDF: 56.4/50

eigen_cor_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

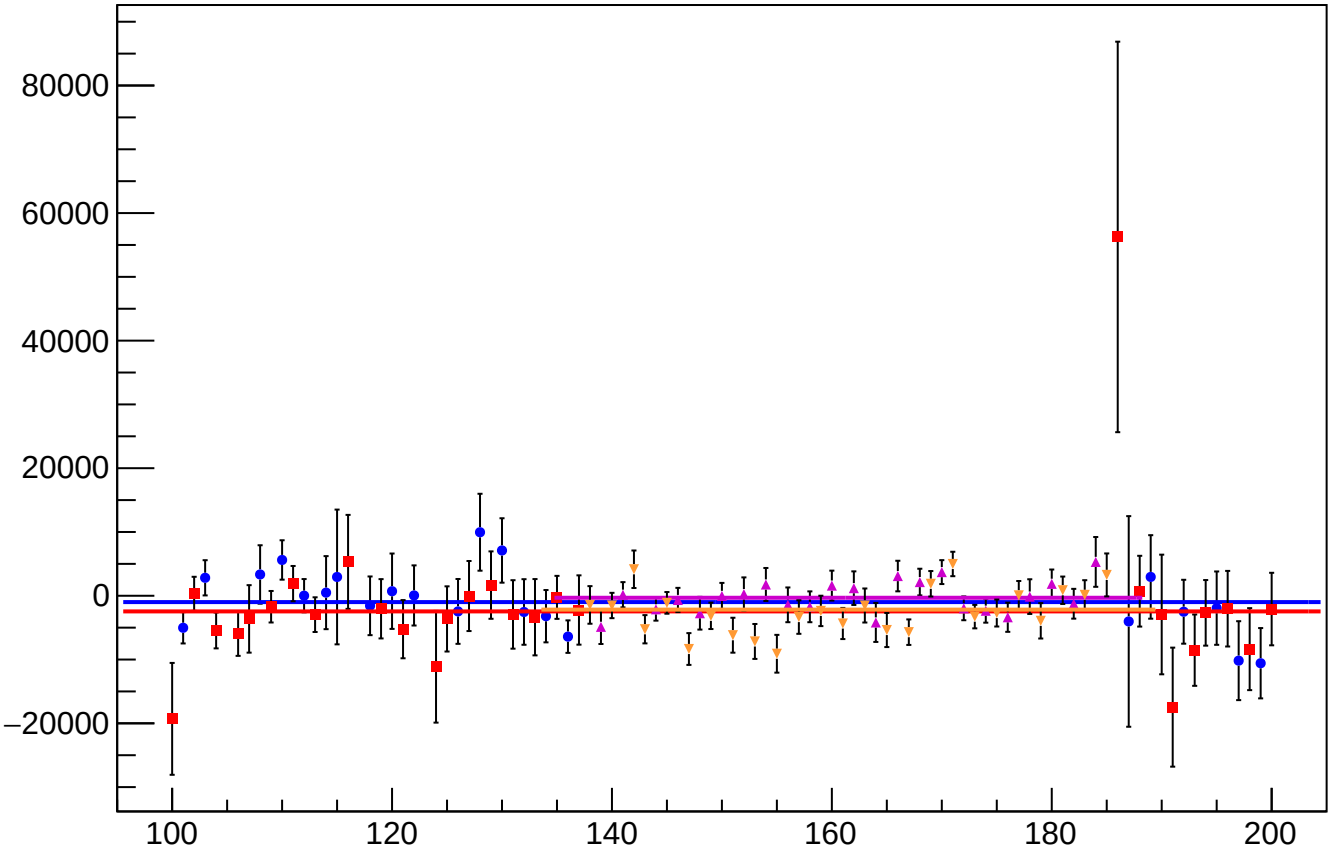
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121735.5/46

All: 264.413+/-0.024 χ^2/NDF: 5201307.5/97

- sign 265.405+/-0.034 χ^2/NDF: 3077883.1/50

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2453.426+/-828.801 χ^2/NDF: 22.0/27

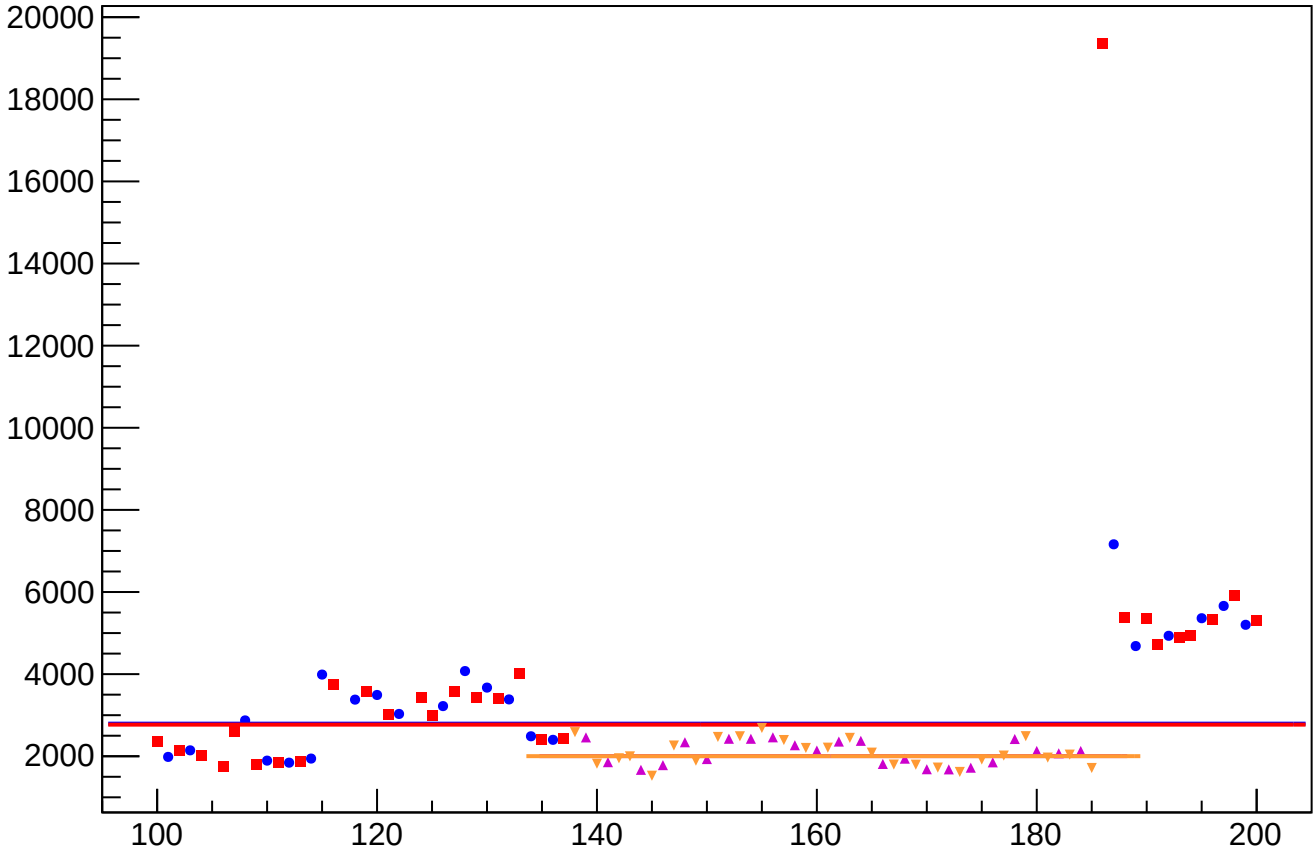
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.471+/-409.537 χ^2/NDF: 84.1/46

All: -1383.464+/-290.284 χ^2/NDF: 138.2/97

- sign -841.249+/-411.518 χ^2/NDF: 50.7/50

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2793.755+/-0.627 χ^2/NDF: 3031517.4/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

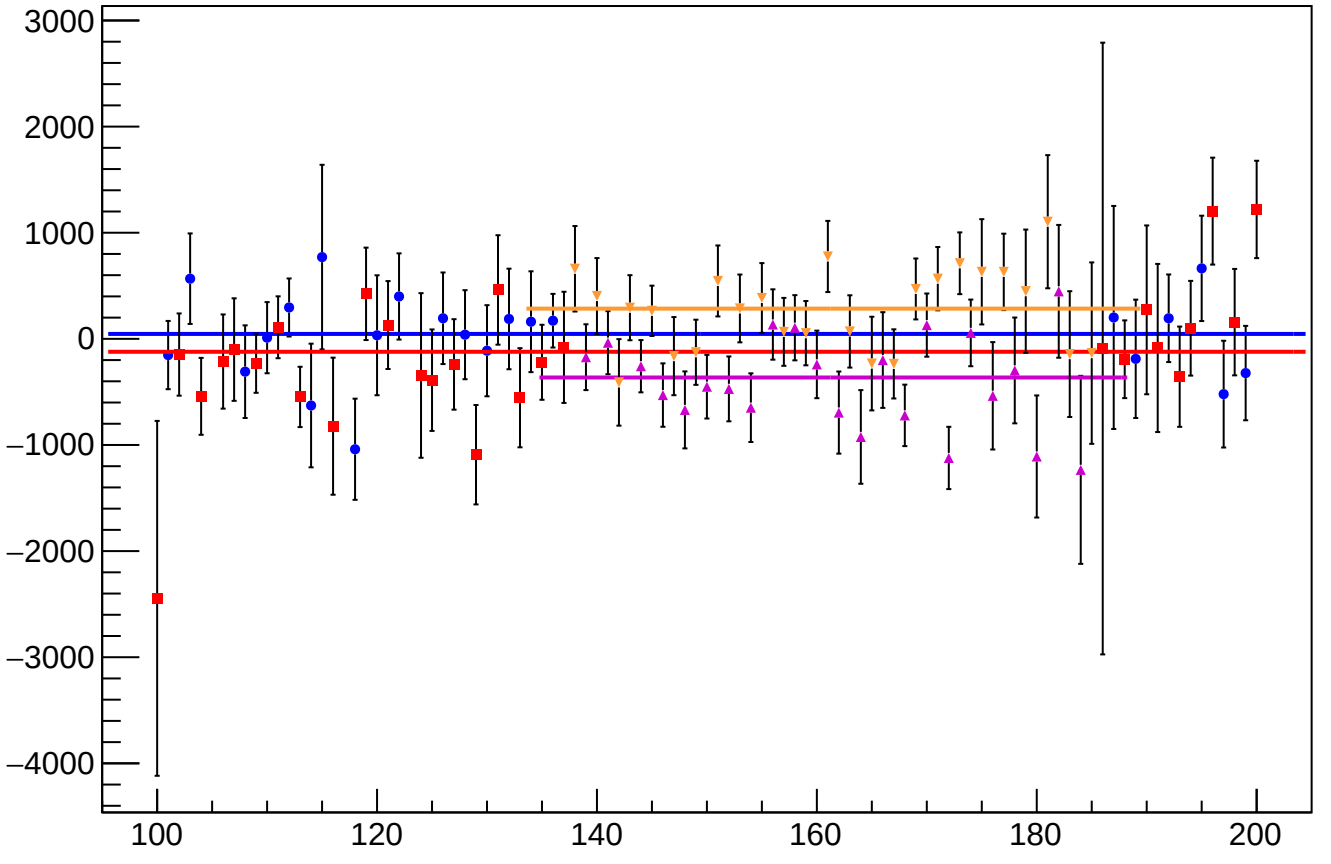
Right Out: 2770.076+/-0.586 χ^2/NDF: 4694122.0/27

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2170.841+/-0.290 χ^2/NDF: 5176675.8/46

All: 2181.891+/-0.205 χ^2/NDF: 11865293.5/9

- sign 2193.048+/-0.291 χ^2/NDF: 6685691.6/50



Right In: 46.445+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -121.736+/-83.458 χ^2/NDF: 33.0/27

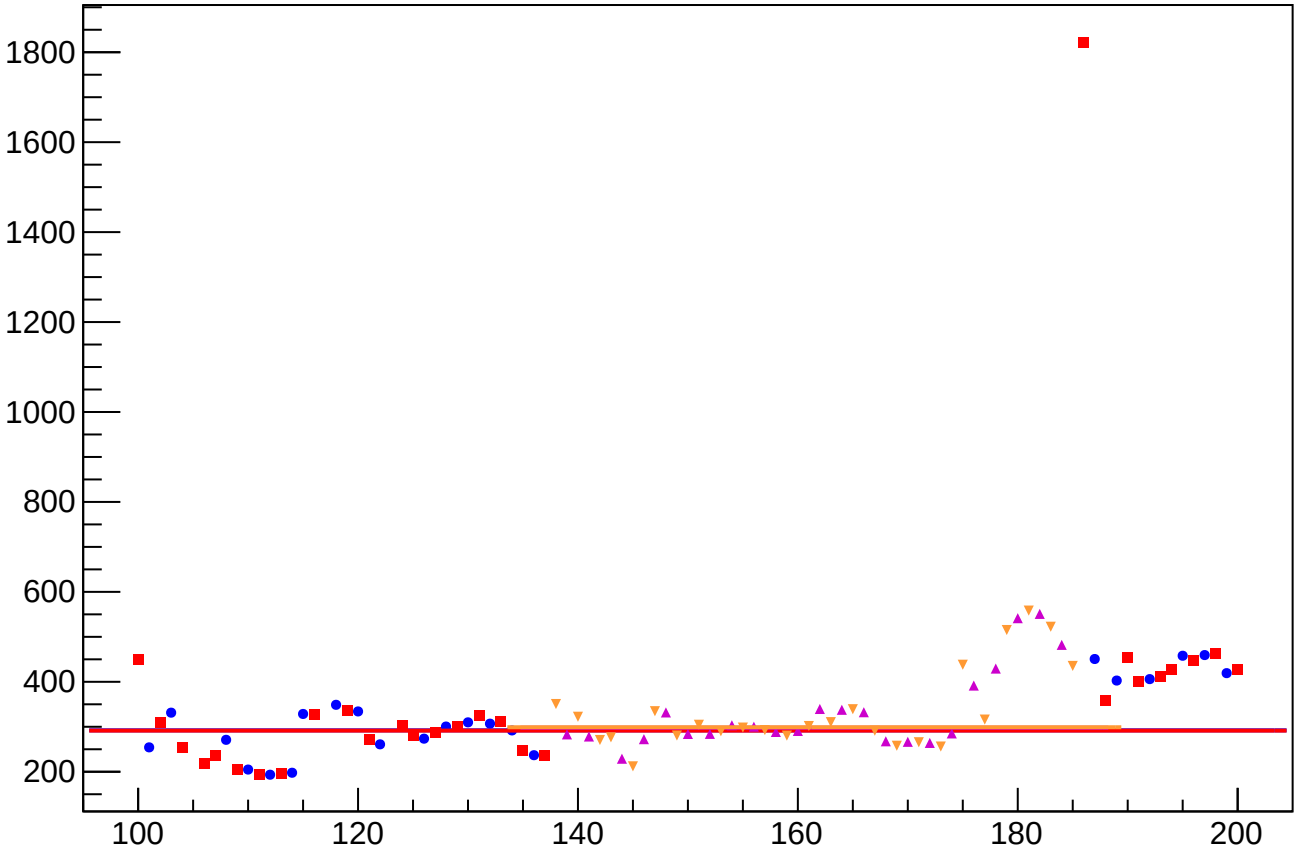
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 194.447+/-55.175 χ^2/NDF: 43.1/46

All: -36.631+/-38.735 χ^2/NDF: 143.7/97

- sign -261.193+/-54.392 χ^2/NDF: 66.1/50

dit_asym_sam4_rms vs Slug



Right In: 292.069+/-0.063 χ^2/NDF: 1542865.6/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 291.484+/-0.059 χ^2/NDF: 2540355.8/27

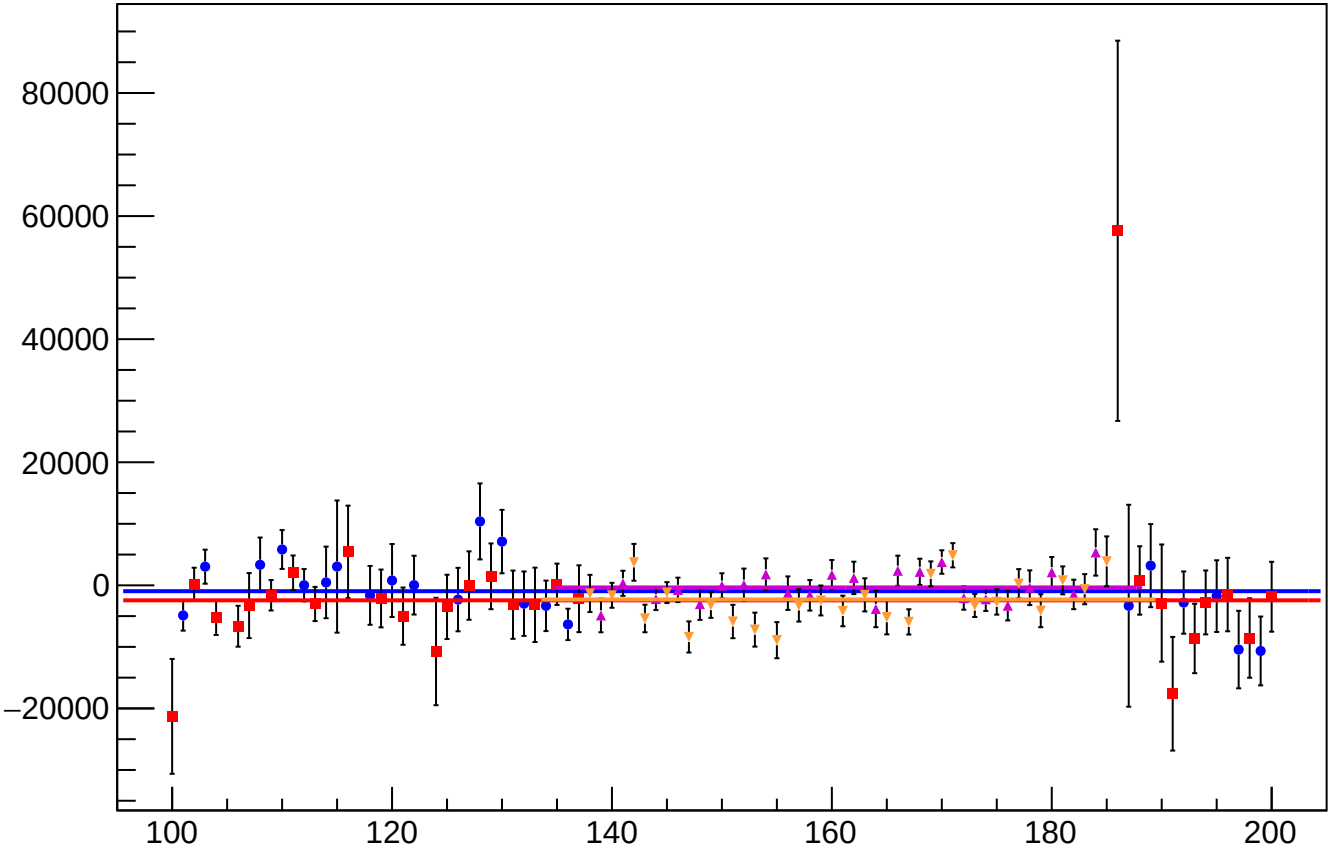
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 296.332+/-0.039 χ^2/NDF: 3163241.7/46

All: 295.741+/-0.027 χ^2/NDF: 7029879.8/97

- sign 295.166+/-0.038 χ^2/NDF: 3866185.4/50

asym_sam4_dit_correction_mean vs Slug



Right In: -950.591+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2436.219+/-833.522 χ^2/NDF: 23.0/27

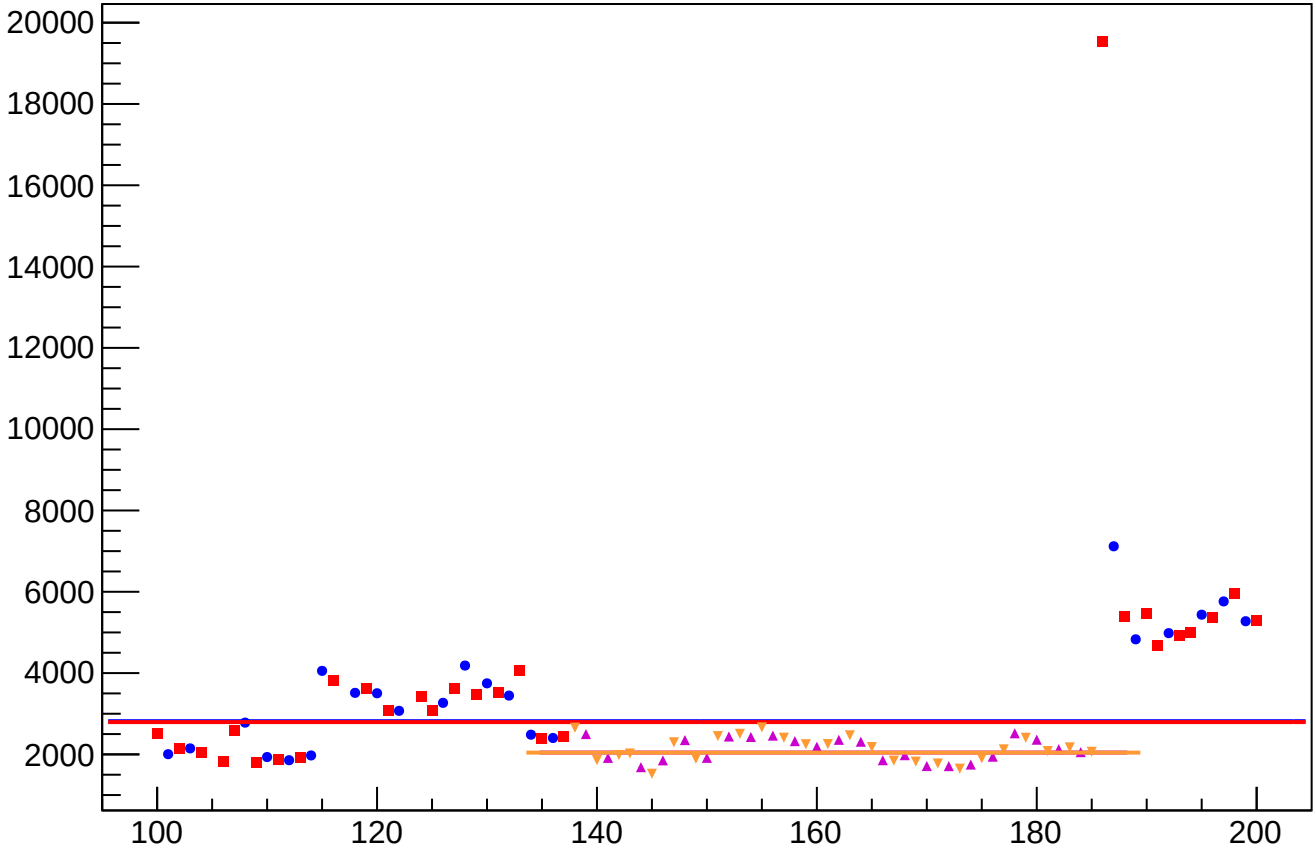
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2000.903+/-416.503 χ^2/NDF: 80.8/46

All: -1437.824+/-295.145 χ^2/NDF: 135.0/97

- sign -869.879+/-418.298 χ^2/NDF: 50.6/50

asym_sam4_dit_correction_rms vs Slug



Right In: 2816.721+/-0.633 χ^2/NDF: 3084424.3/21

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2794.739+/-0.589 χ^2/NDF: 4680723.5/27

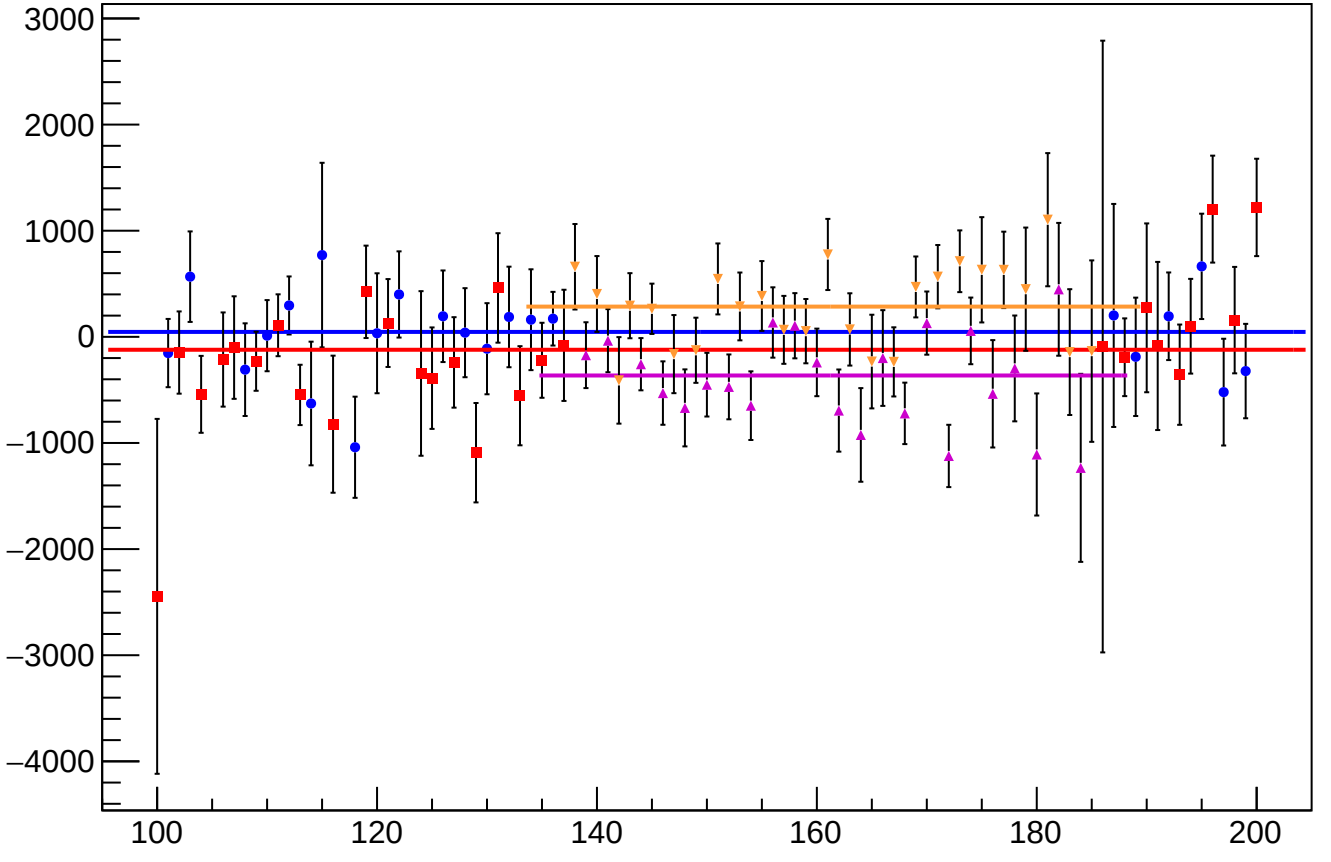
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2211.032+/-0.295 χ^2/NDF: 5105983.4/46

All: 2222.443+/-0.209 χ^2/NDF: 11689982.6/9

- sign 2233.953+/-0.296 χ^2/NDF: 6580983.6/50

eigen_dit_asym_sam4_mean vs Slug



Right In: 46.450+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -121.736+/-83.458 χ^2/NDF: 33.0/27

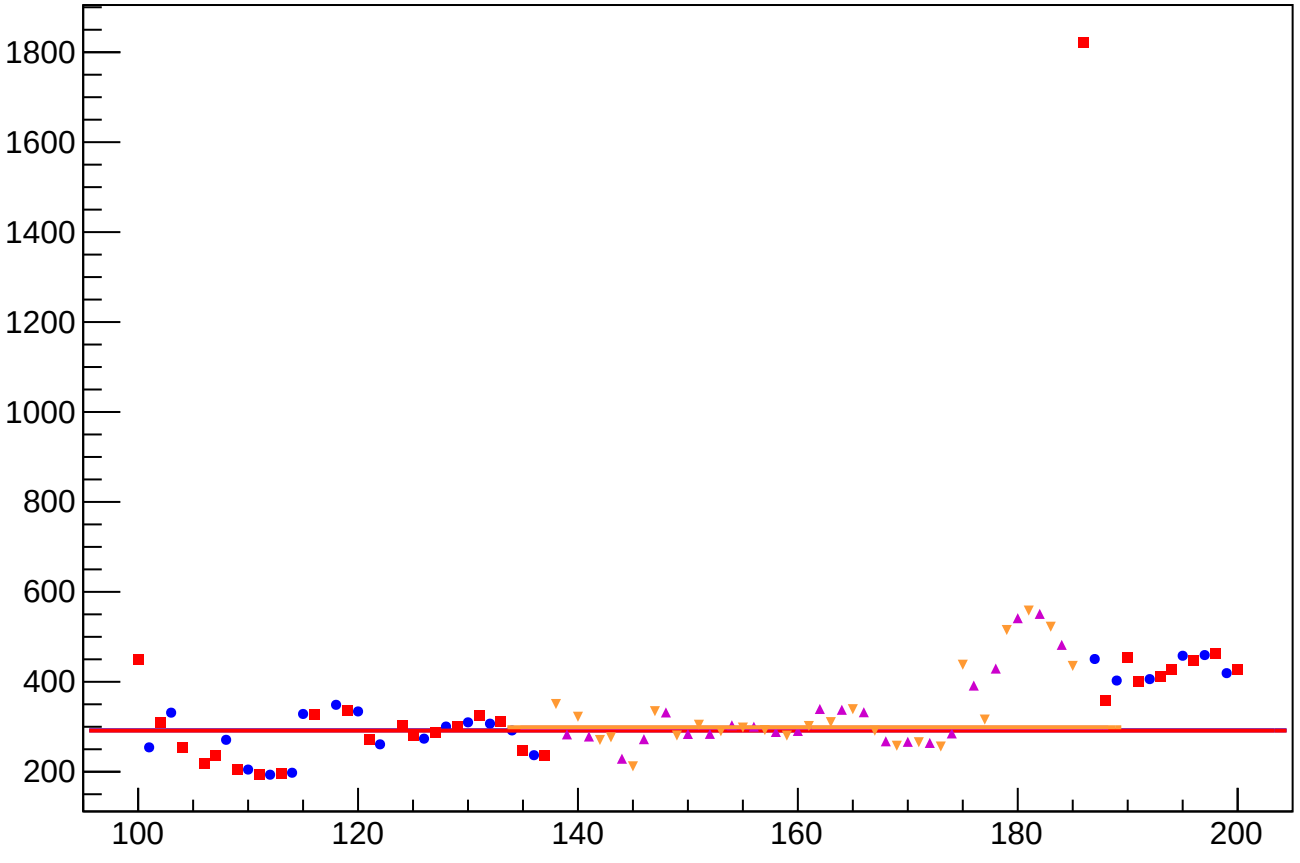
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 194.452+/-55.175 χ^2/NDF: 43.1/46

All: -36.629+/-38.735 χ^2/NDF: 143.7/97

- sign -261.193+/-54.392 χ^2/NDF: 66.1/50

eigen_dit_asym_sam4_rms vs Slug



Right In: 292.069+/-0.063 χ^2/NDF: 1542858.5/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 291.484+/-0.059 χ^2/NDF: 2540357.6/27

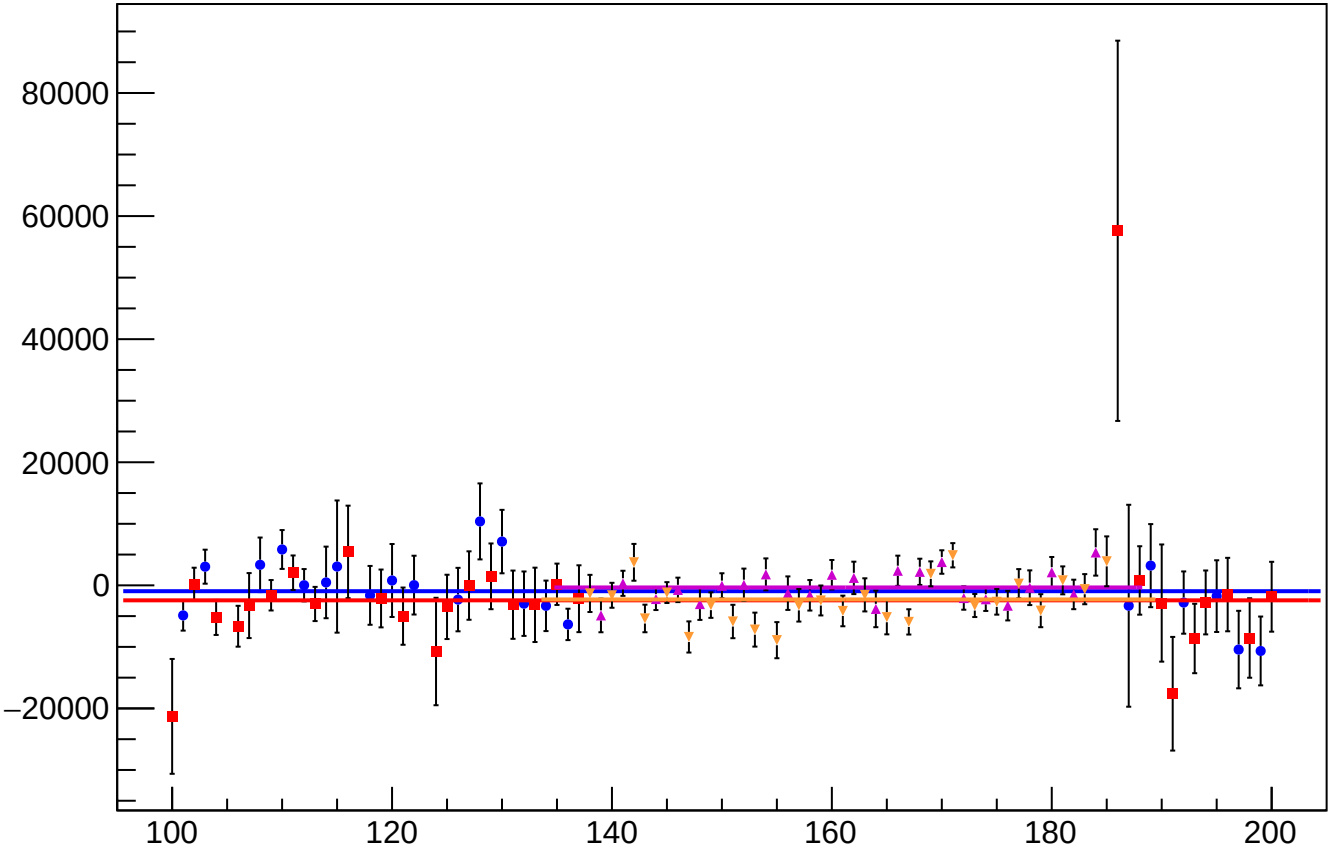
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 296.332+/-0.039 χ^2/NDF: 3163232.5/46

All: 295.741+/-0.027 χ^2/NDF: 7029854.6/97

- sign 295.167+/-0.038 χ^2/NDF: 3866169.5/50

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -950.589+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2436.217+/-833.521 χ^2/NDF: 23.0/27

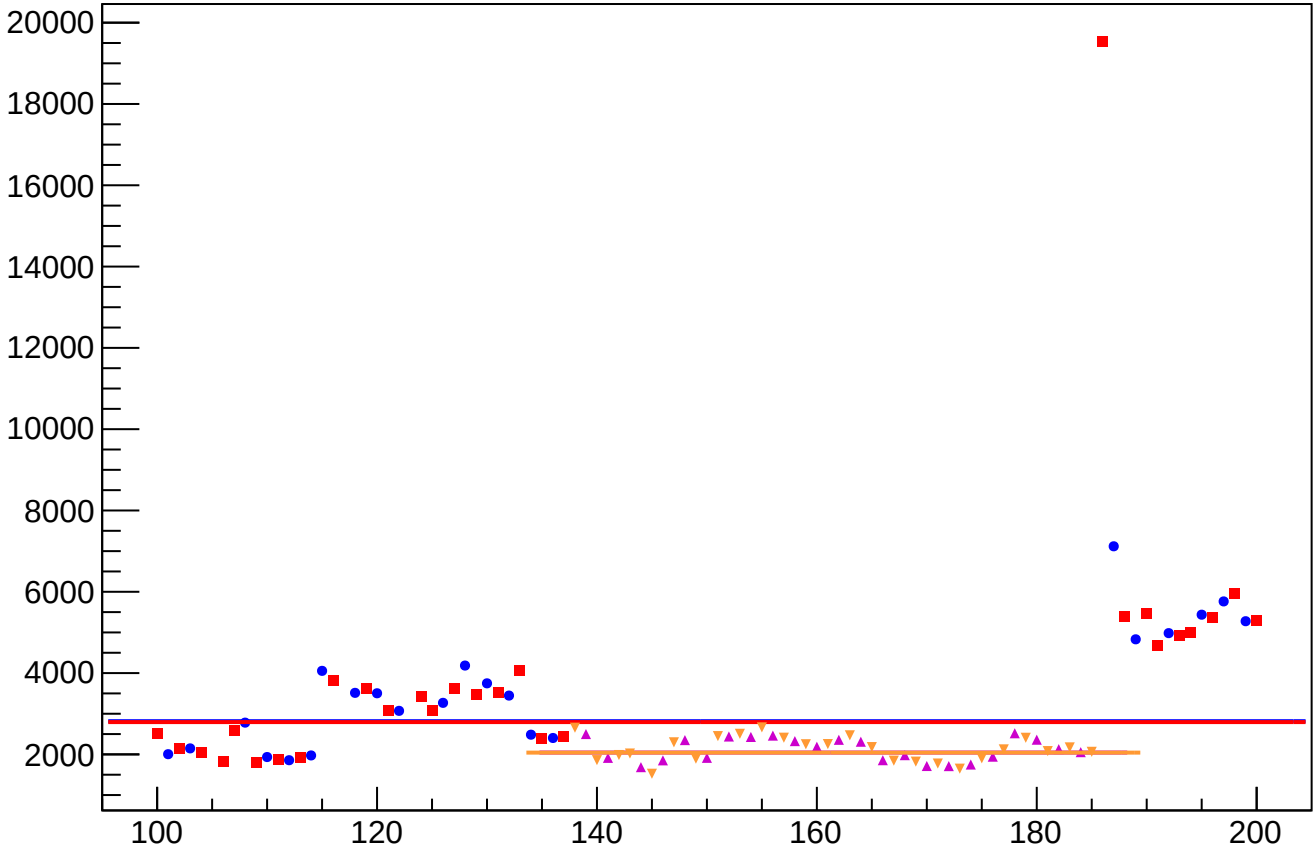
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2000.899+/-416.502 χ^2/NDF: 80.8/46

All: -1437.820+/-295.144 χ^2/NDF: 135.0/97

- sign -869.876+/-418.298 χ^2/NDF: 50.6/50

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2816.719+/-0.633 χ^2/NDF: 3084424.6/21

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

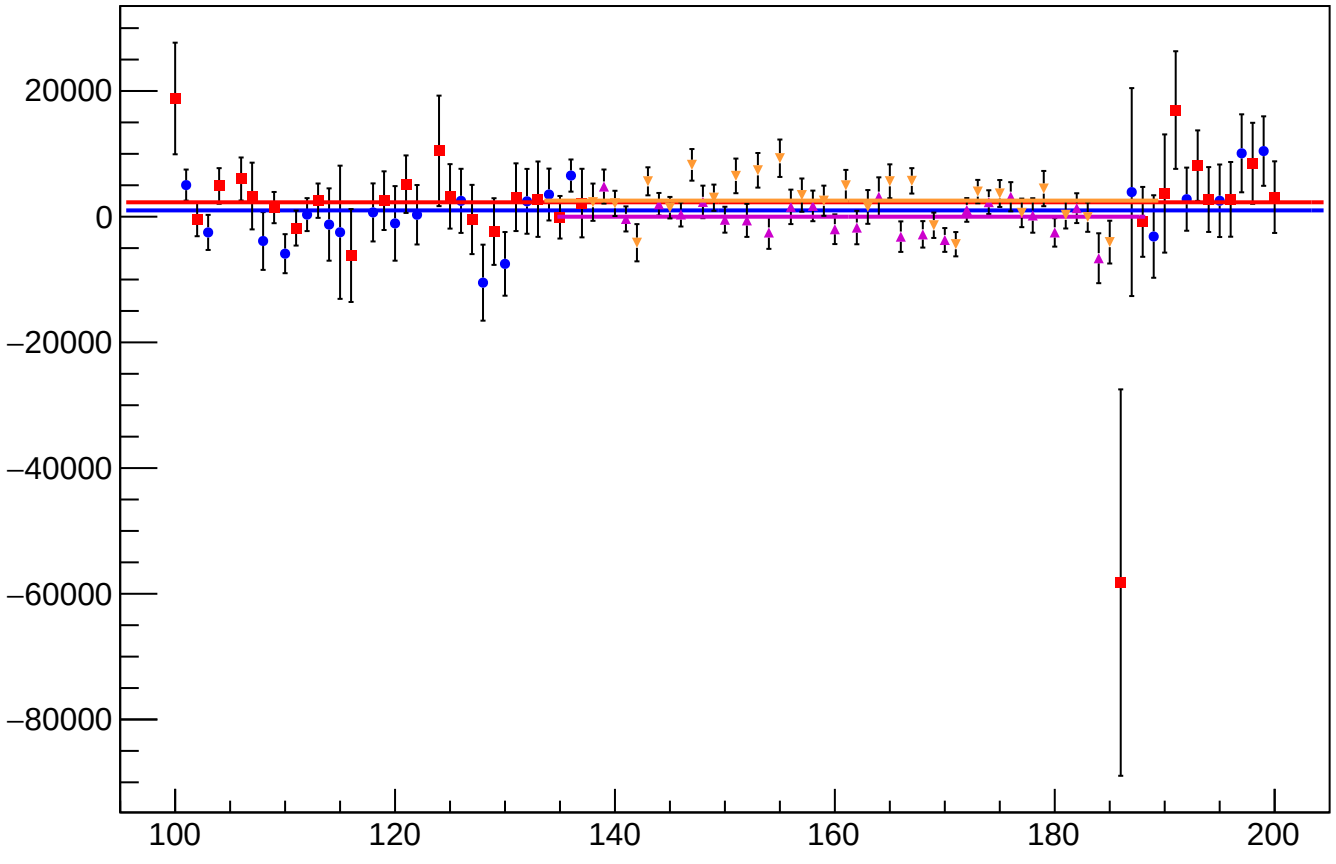
Right Out: 2794.737+/-0.589 χ^2/NDF: 4680719.8/27

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2211.029+/-0.295 χ^2/NDF: 5105991.8/46

All: 2222.440+/-0.209 χ^2/NDF: 11689990.9/9

- sign 2233.950+/-0.296 χ^2/NDF: 6580983.5/50



Right In: 1000.220+/-891.973 χ^2/NDF: 28.1/21

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2289.987+/-832.181 χ^2/NDF: 21.7/27

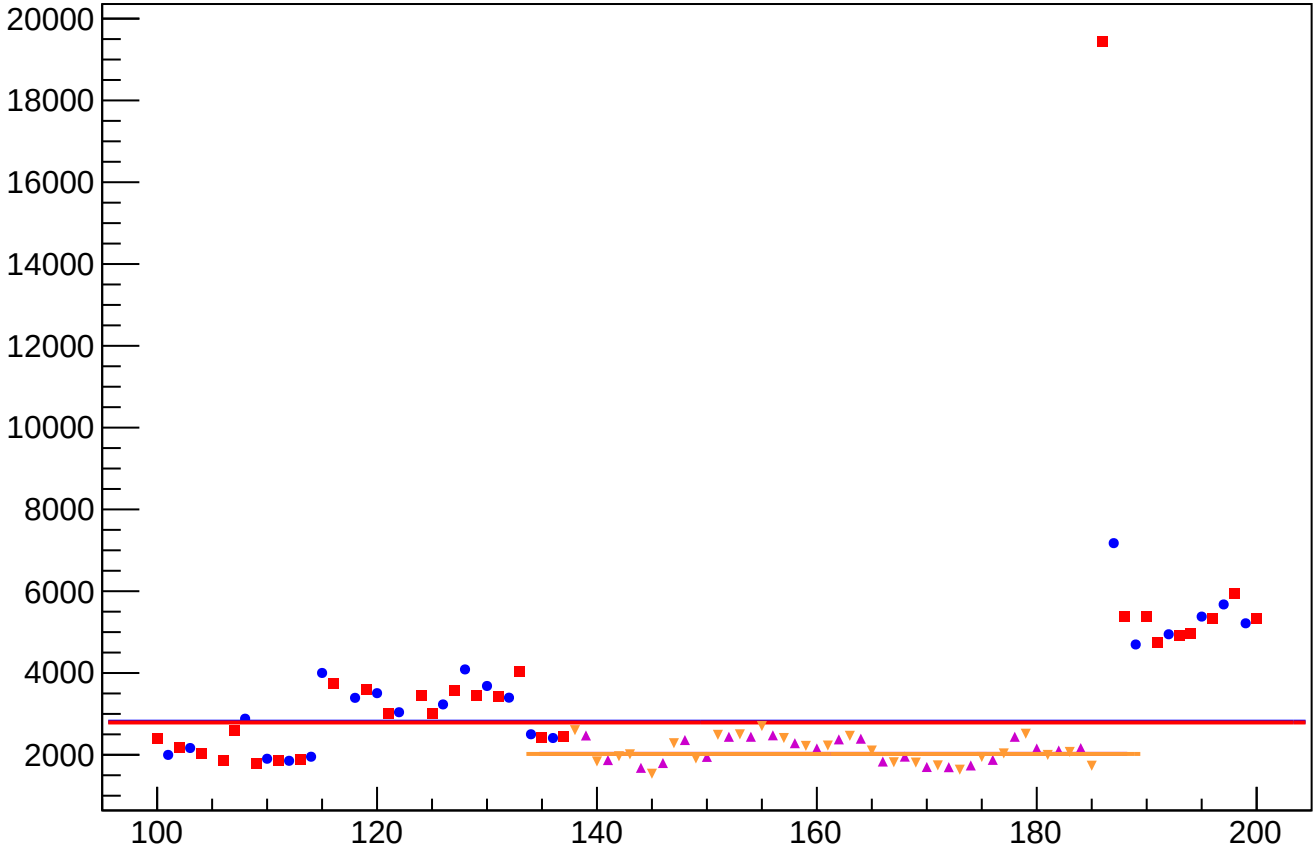
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2224.871+/-412.991 χ^2/NDF: 83.2/46

All: 1399.312+/-292.675 χ^2/NDF: 143.3/97

- sign 566.407+/-414.825 χ^2/NDF: 52.1/50

asym_sam4_rms vs Slug



Right In: 2809.937+/-0.631 χ^2/NDF: 3010674.6/21

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2790.512+/-0.588 χ^2/NDF: 4637664.0/27

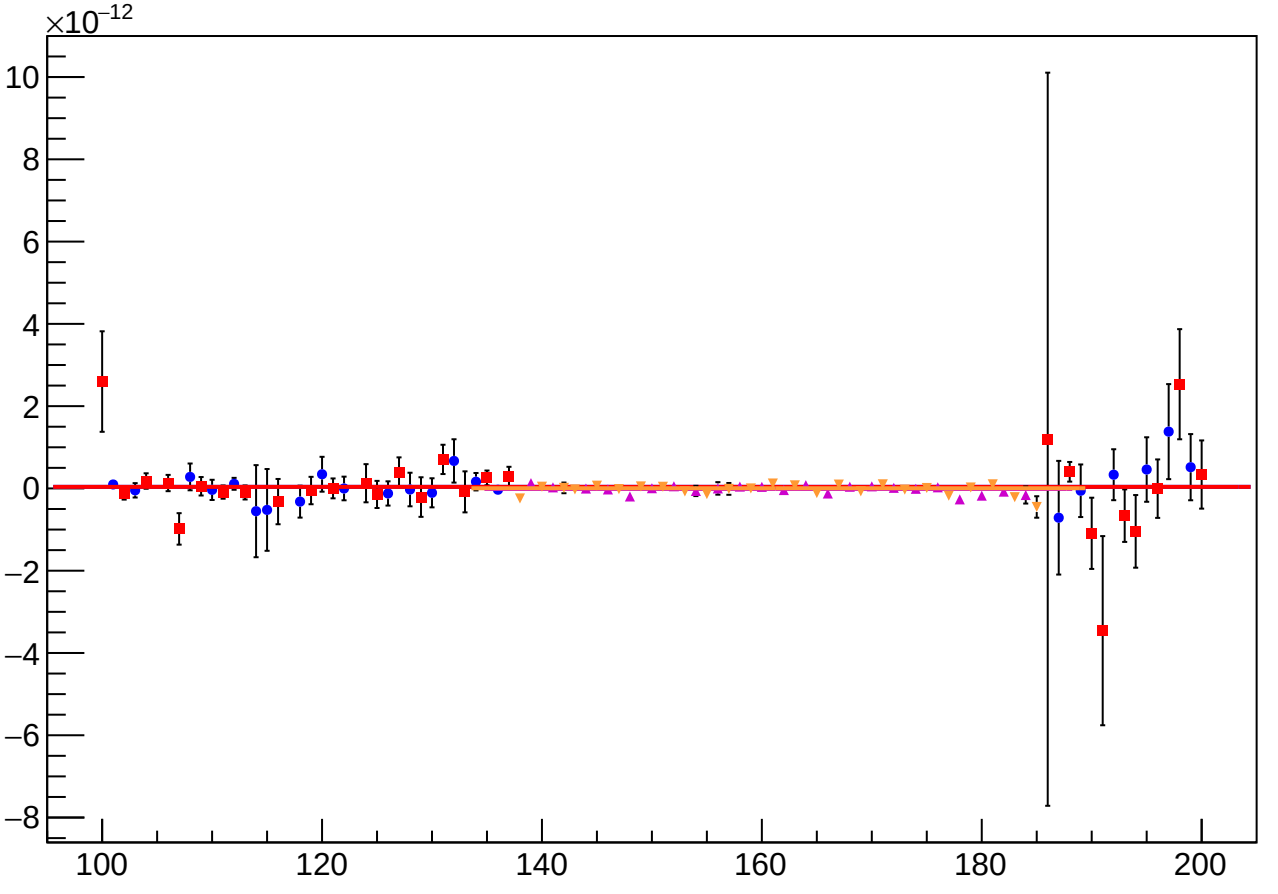
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2190.339+/-0.292 χ^2/NDF: 5120424.1/46

All: 2202.080+/-0.207 χ^2/NDF: 11734956.2/9

- sign 2213.925+/-0.293 χ^2/NDF: 6611284.9/50

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/27

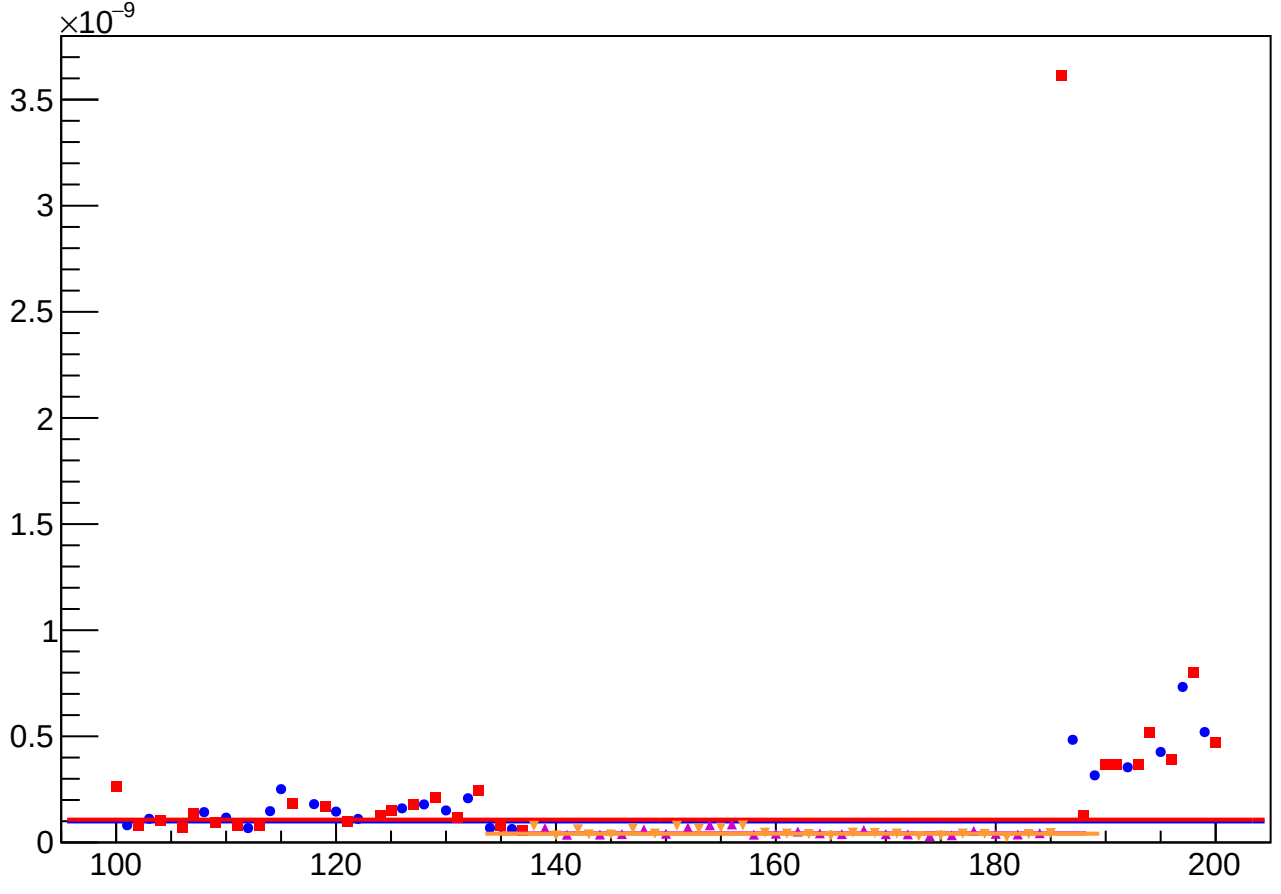
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/46

All: 0.000+/-0.000 χ^2/NDF: 99.1/97

- sign -0.000+/-0.000 χ^2/NDF: 57.5/50

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3204552.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3448331.3/27

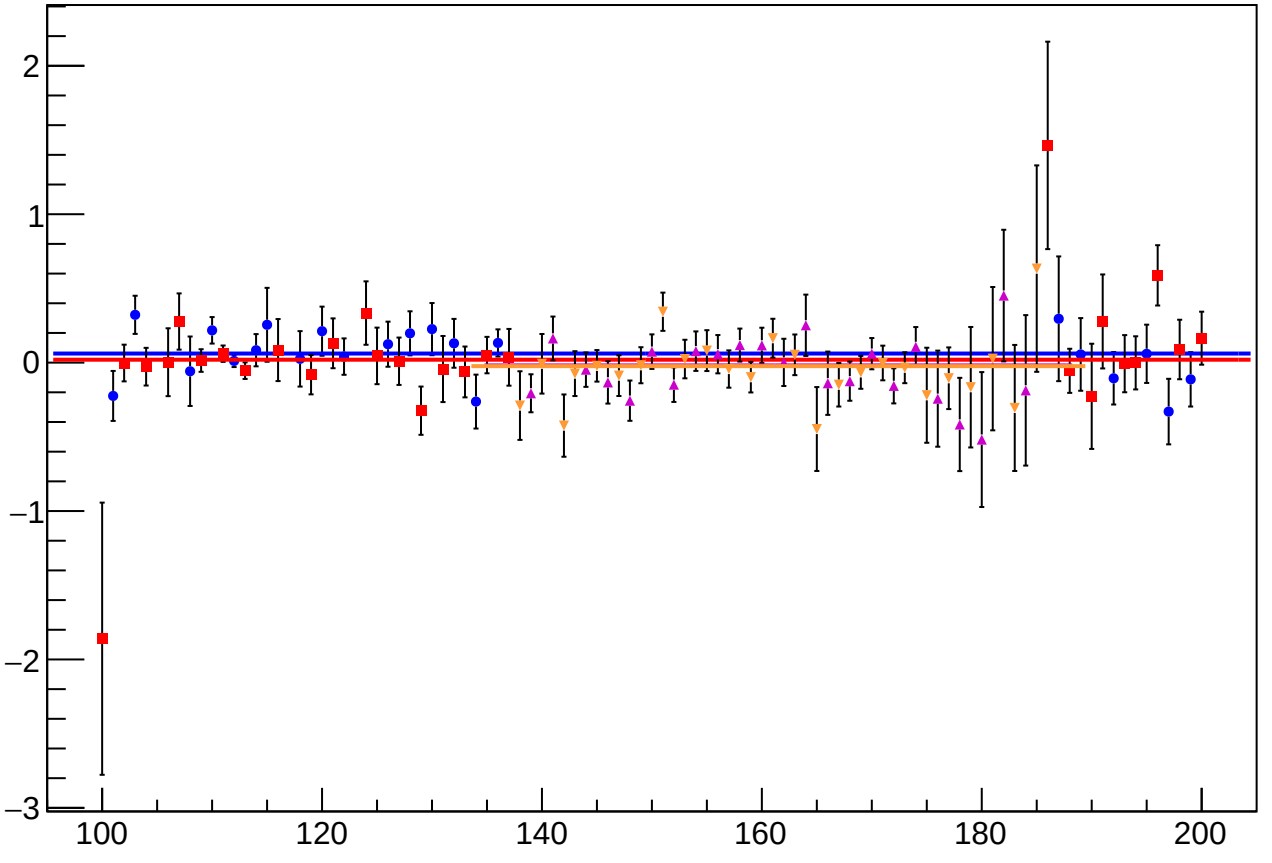
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6693977.5/46

All: 0.000+/-0.000 χ^2/NDF: 13732736.2/97

- sign 0.000+/-0.000 χ^2/NDF: 7012007.7/50

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.020+/-0.025 χ^2/NDF: 31.0/27

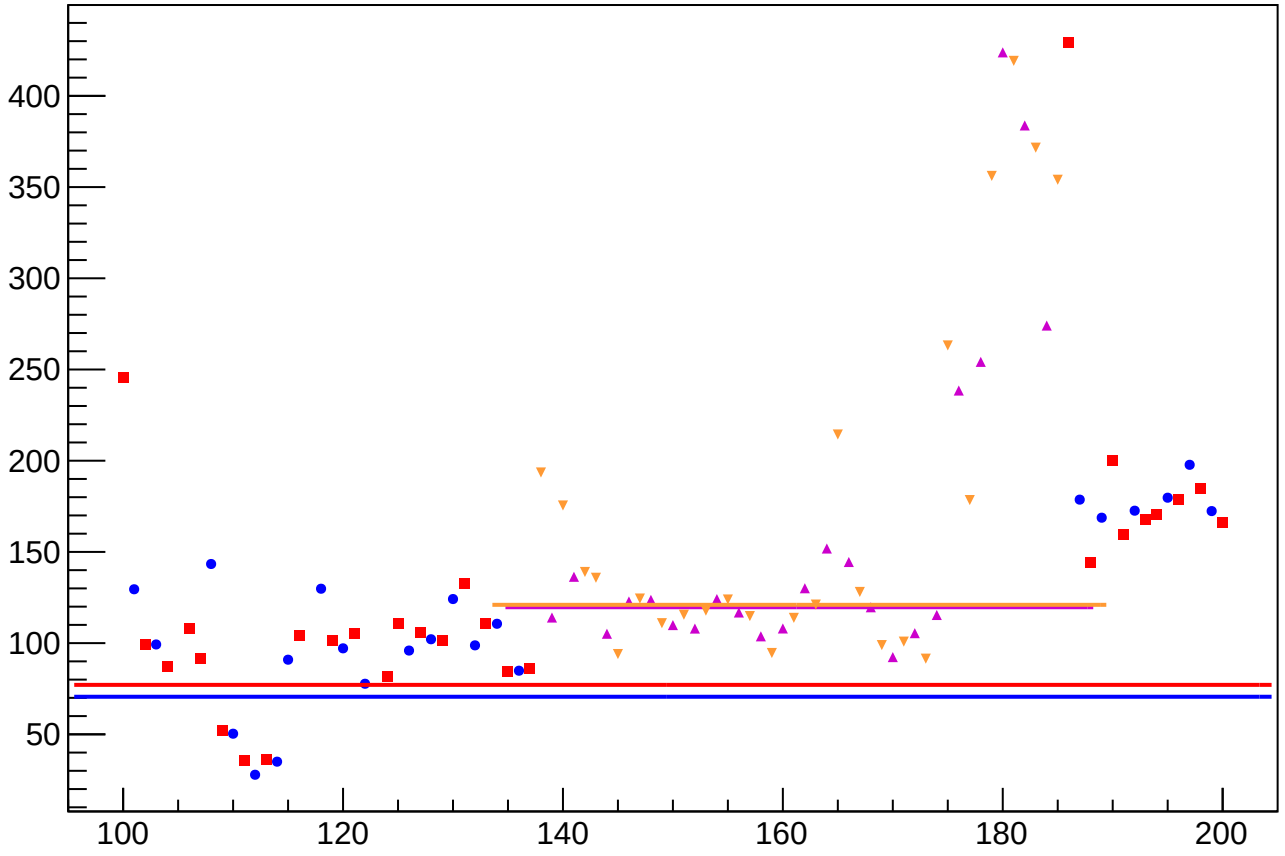
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.014+/-0.014 χ^2/NDF: 106.8/97

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

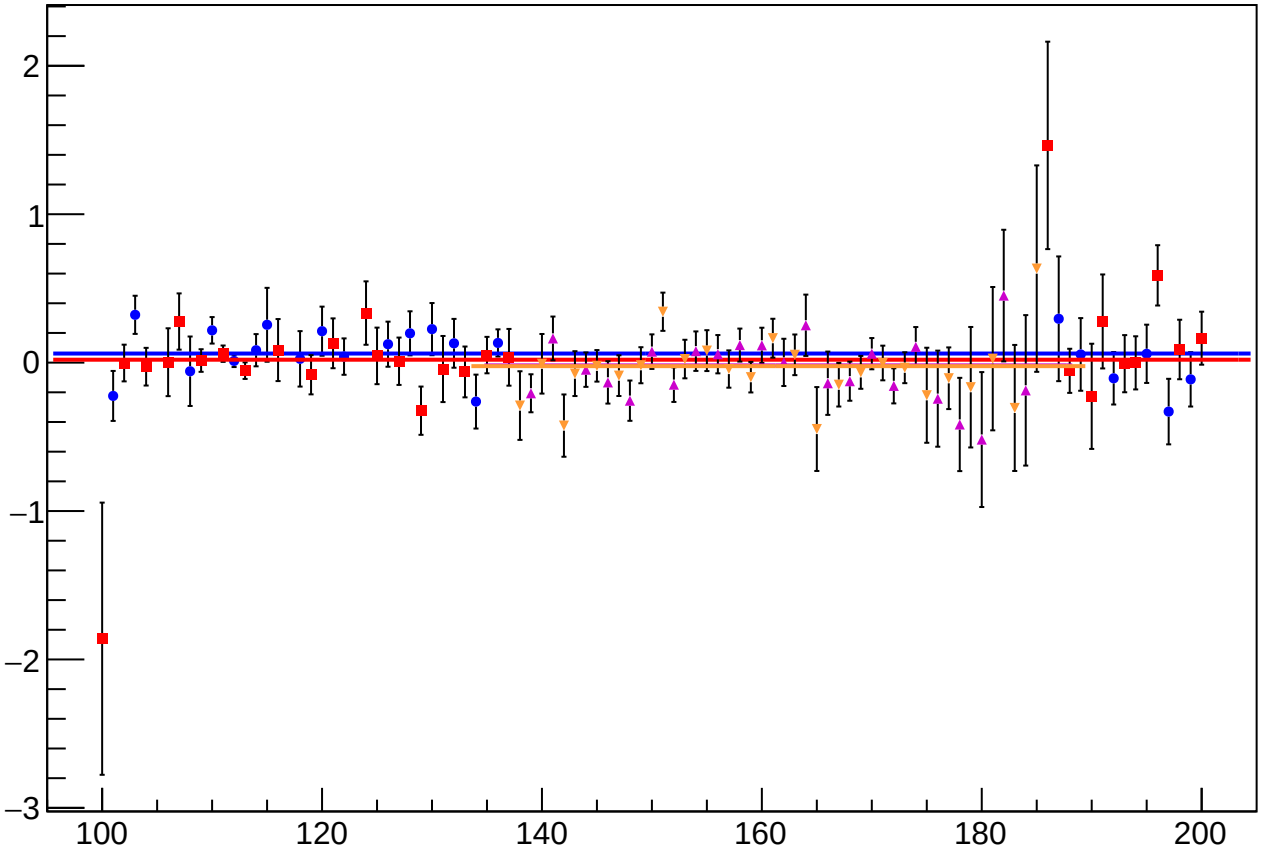
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.120+/-0.014 χ^2/NDF: 14191659.9/46

All: 93.301+/-0.010 χ^2/NDF: 26409677.9/97

- sign 94.451+/-0.014 χ^2/NDF: 12203594.5/50

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.020+/-0.025 χ^2/NDF: 31.0/27

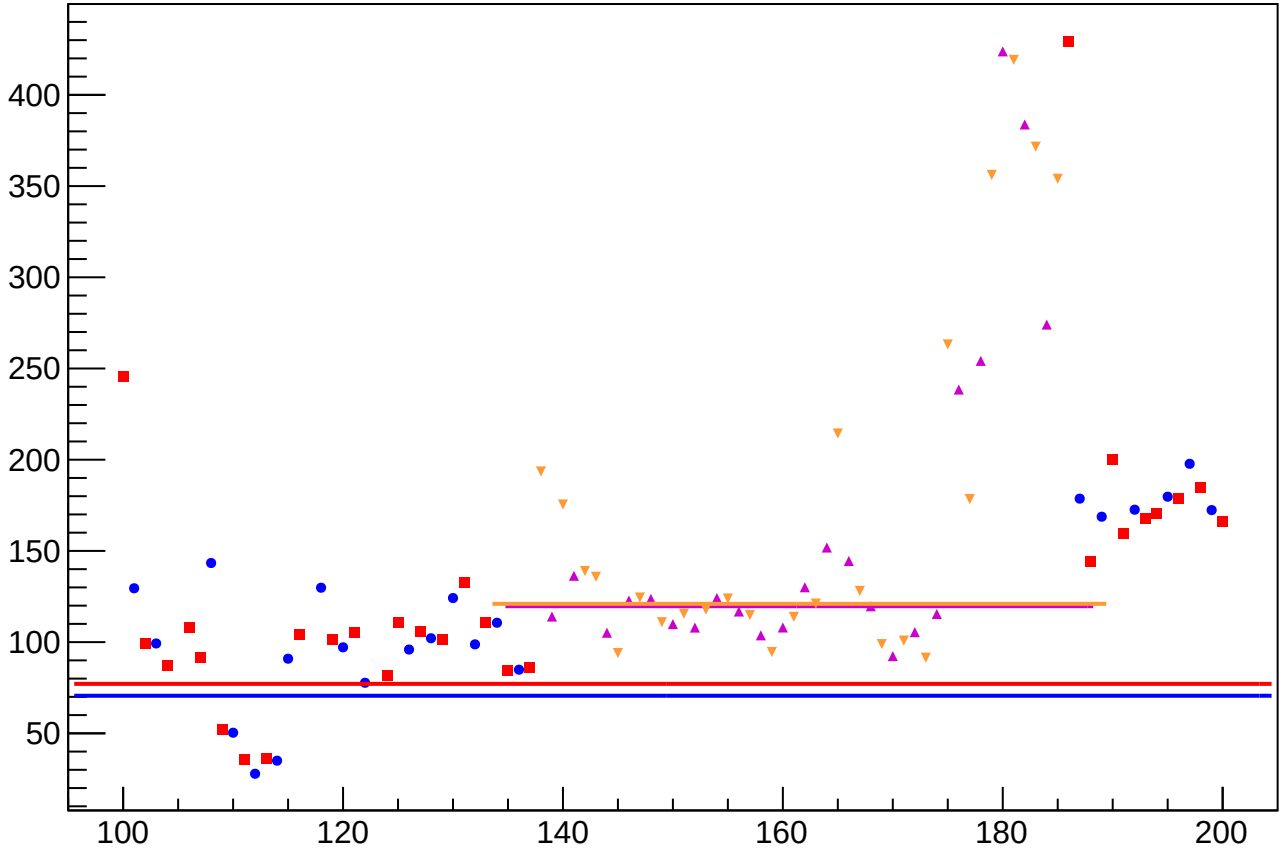
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.014+/-0.014 χ^2/NDF: 106.8/97

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

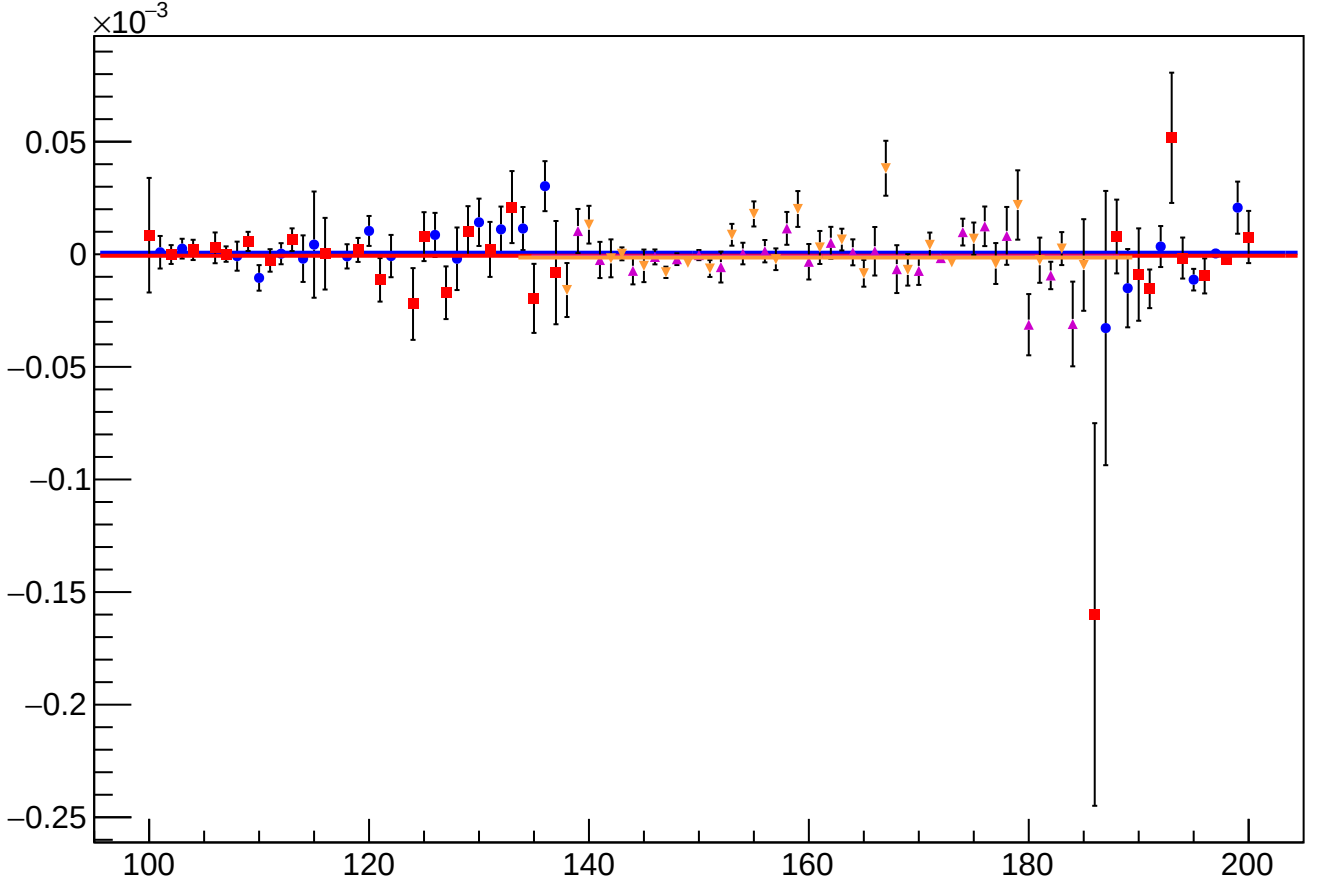
Right Out: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.120+/-0.014 χ^2/NDF: 14191659.9/46

All: 93.301+/-0.010 χ^2/NDF: 26409677.9/97

- sign 94.451+/-0.014 χ^2/NDF: 12203594.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/27

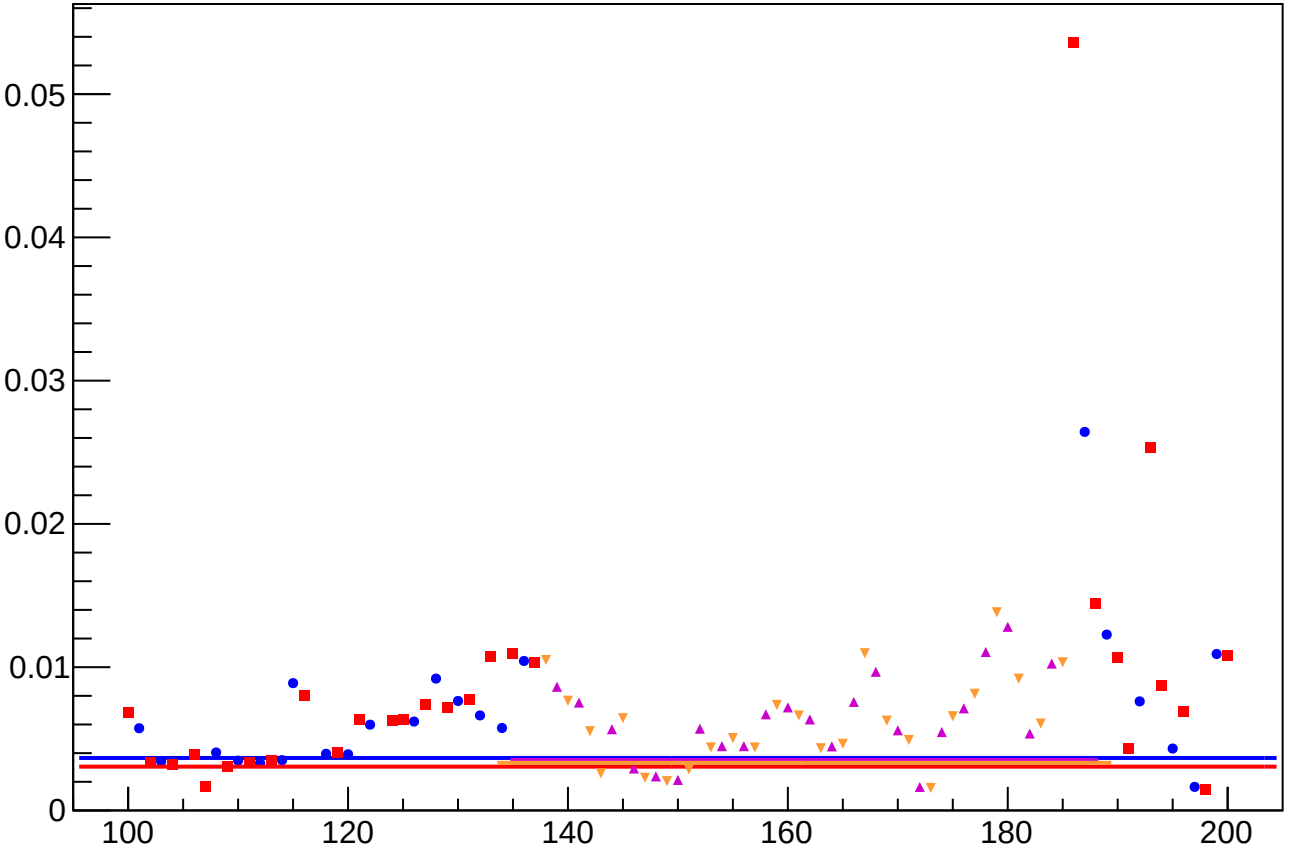
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.9/46

All: -0.000+/-0.000 χ^2/NDF: 143.9/97

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5868564.7/21

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10407961.6/27

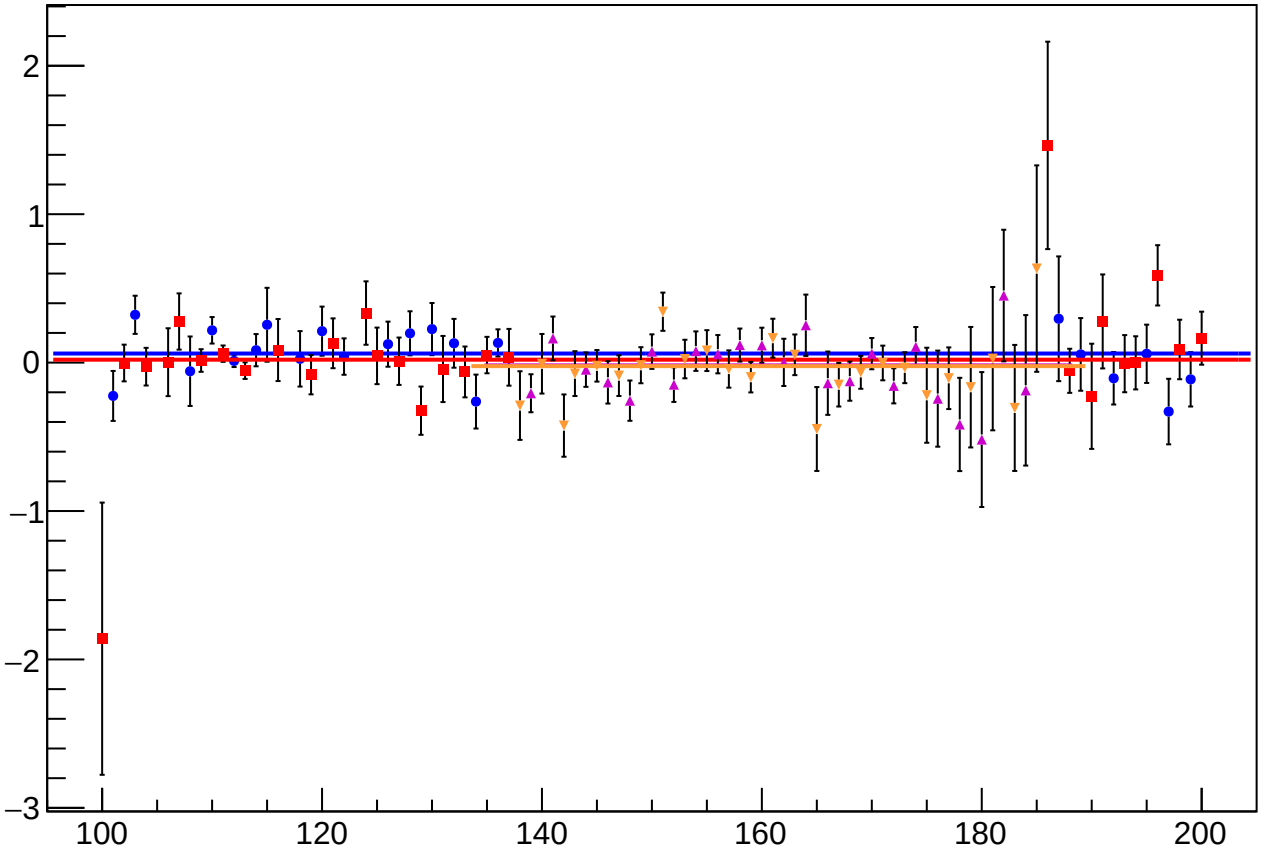
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 16444600.3/46

All: 0.003+/-0.000 χ^2/NDF: 36508460.0/97

- sign 0.003+/-0.000 χ^2/NDF: 20035784.4/50

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.020+/-0.025 χ^2/NDF: 31.0/27

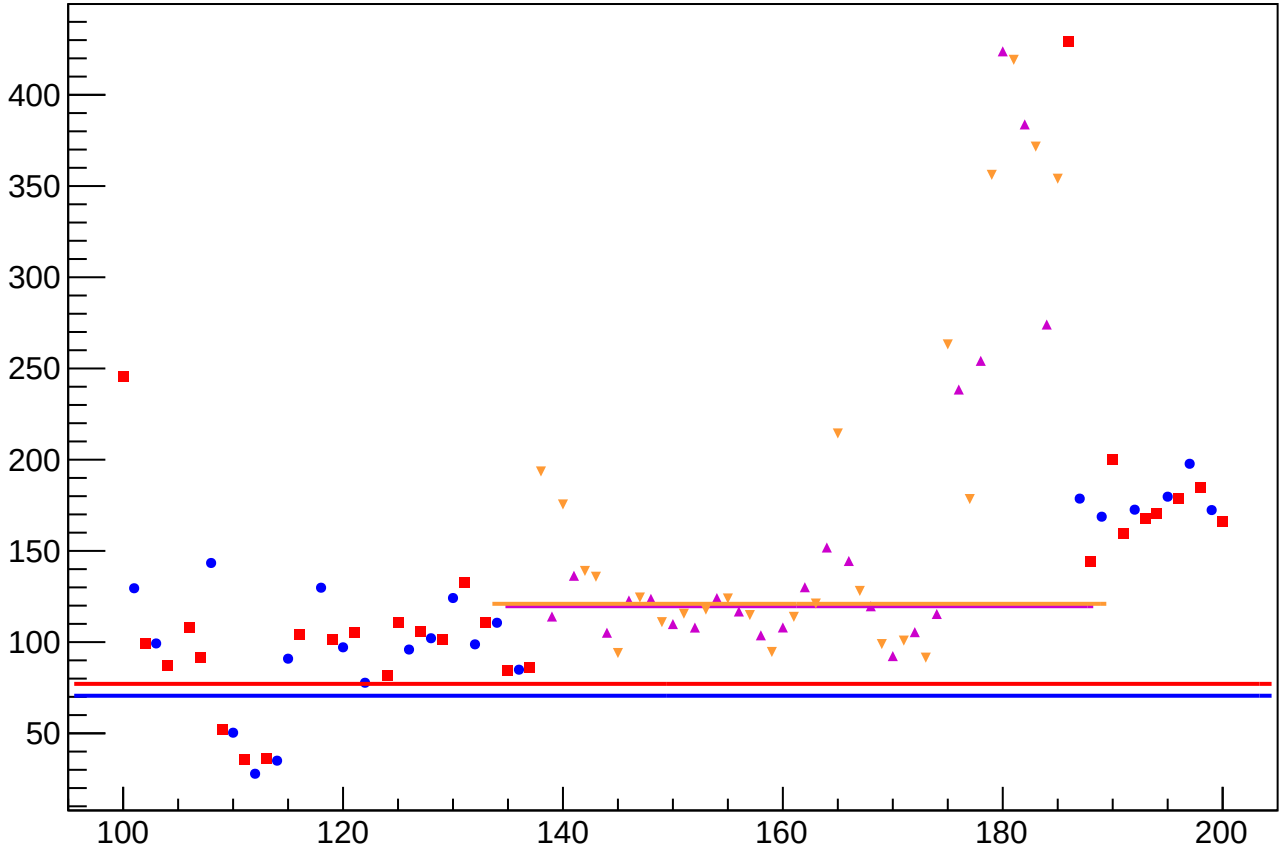
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.014+/-0.014 χ^2/NDF: 106.8/97

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

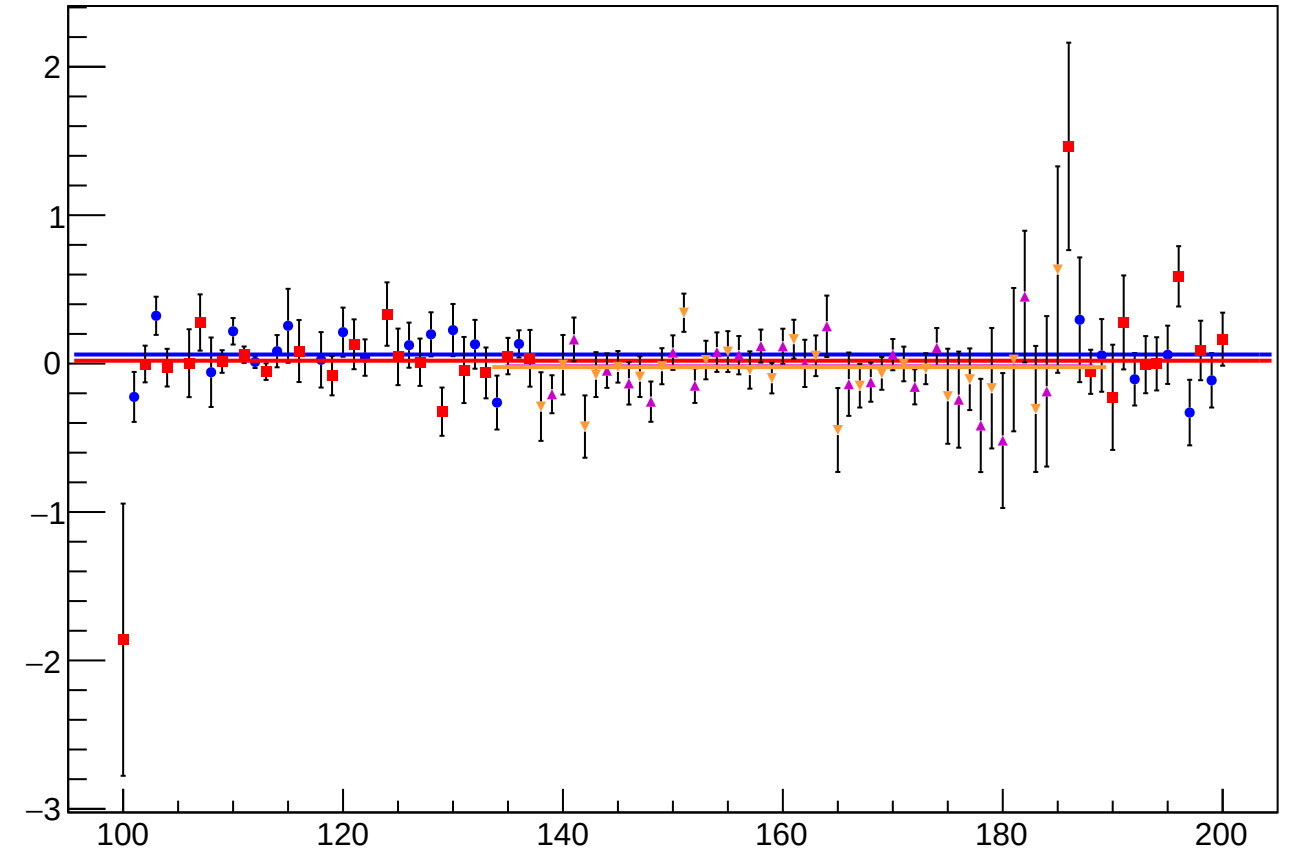
Right Out: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.118+/-0.014 χ^2/NDF: 14192410.2/46

All: 93.299+/-0.010 χ^2/NDF: 26411112.6/97

- sign 94.450+/-0.014 χ^2/NDF: 12204274.4/50



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.020+/-0.025 χ^2/NDF: 31.0/27

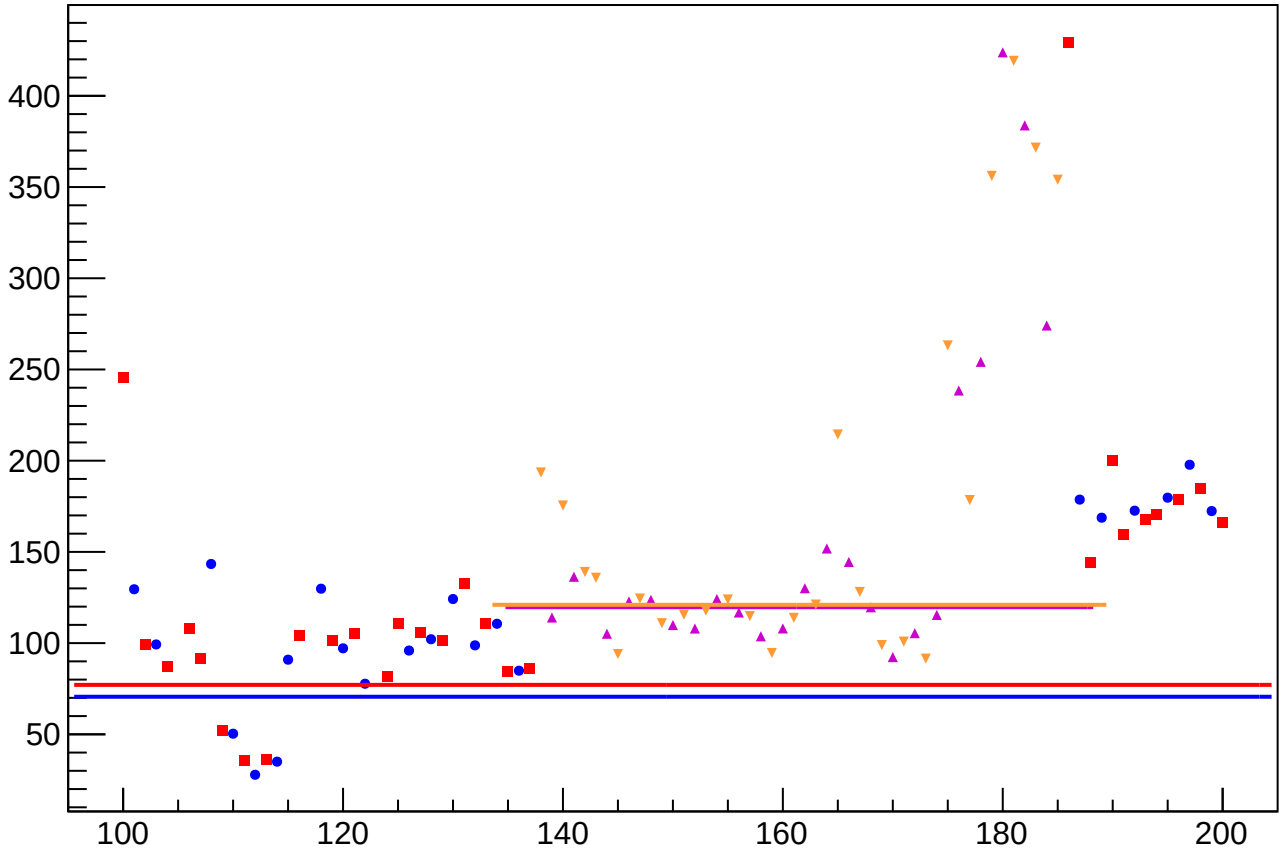
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.014+/-0.014 χ^2/NDF: 106.8/97

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

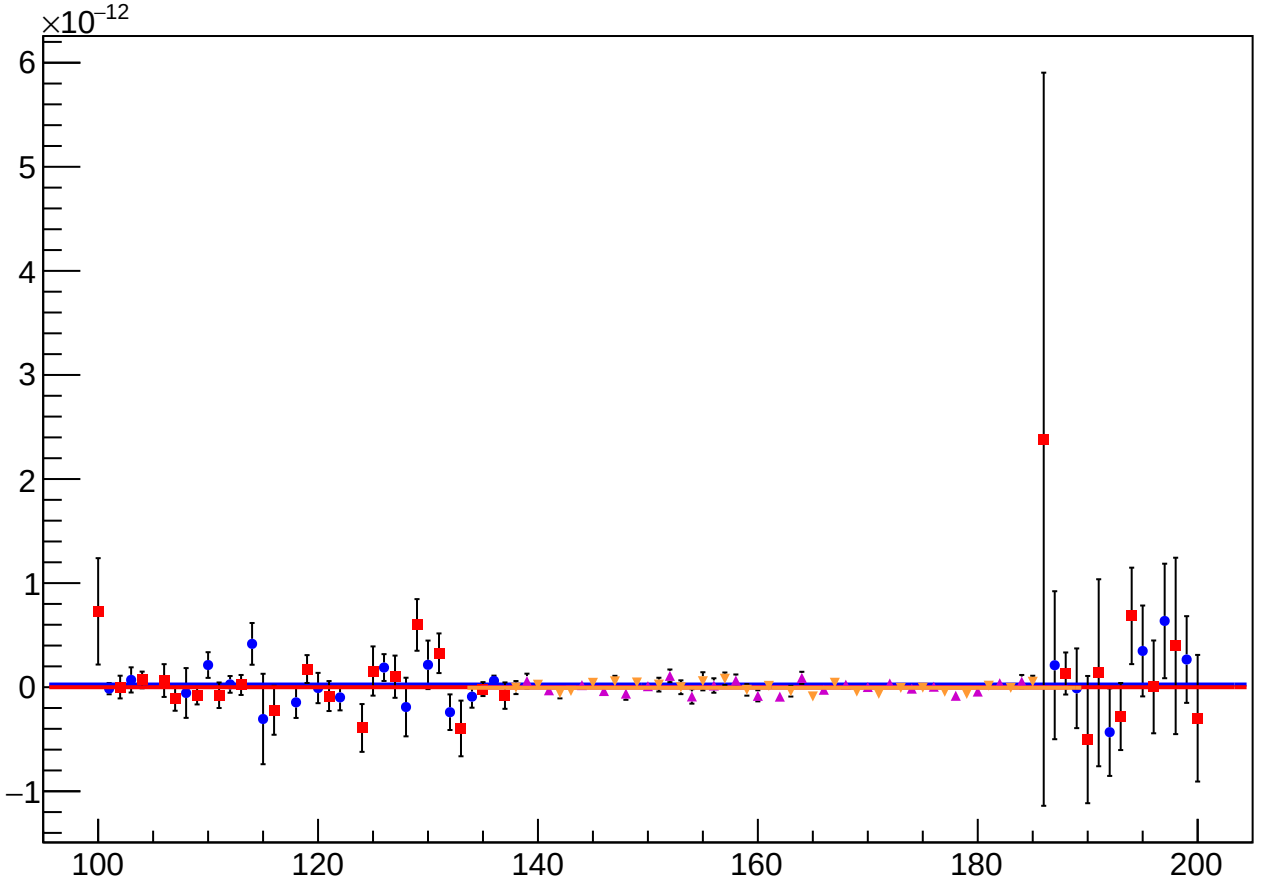
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.118+/-0.014 χ^2/NDF: 14192410.2/46

All: 93.299+/-0.010 χ^2/NDF: 26411112.6/97

- sign 94.450+/-0.014 χ^2/NDF: 12204274.4/50

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

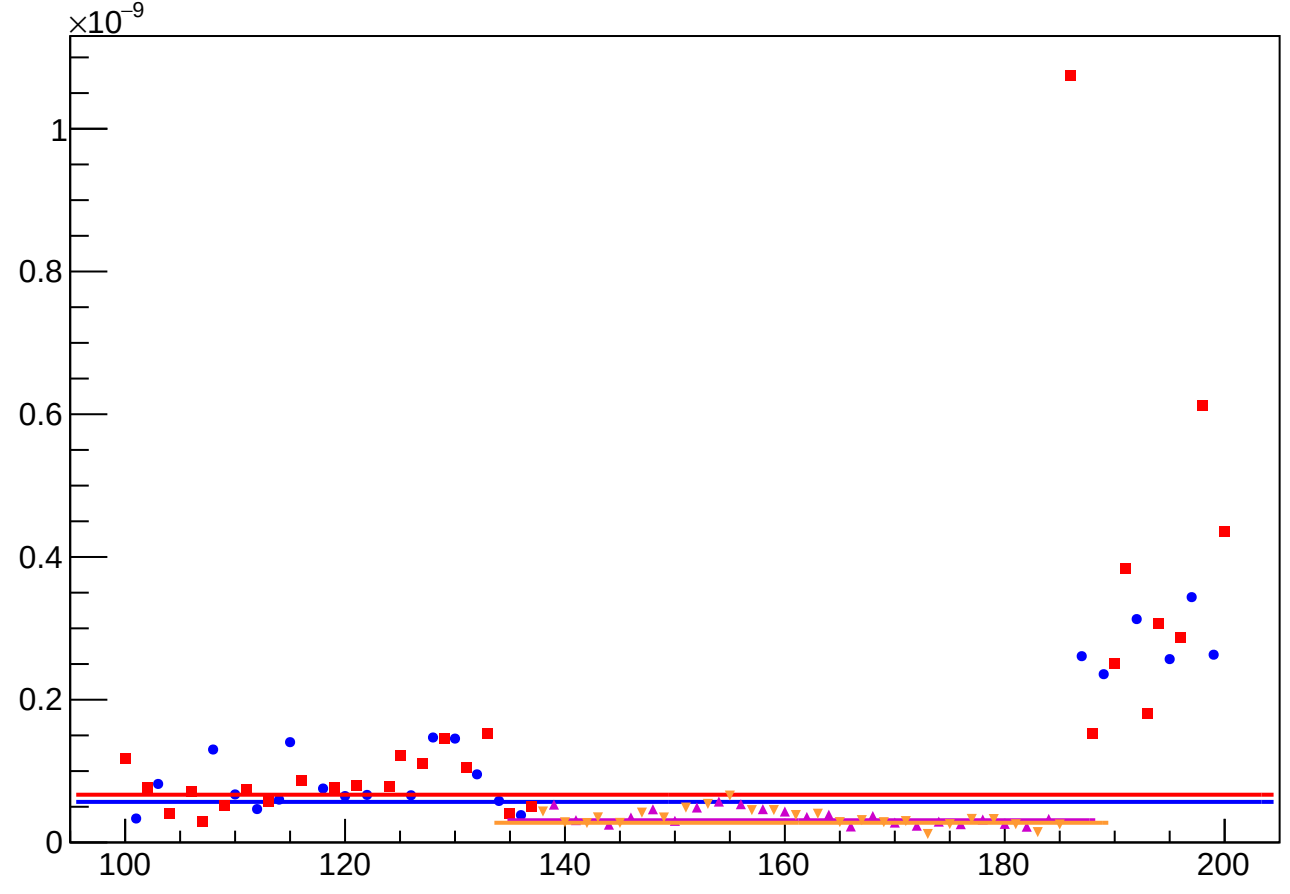
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/27

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 99.5/97

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4500737.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5442023.3/27

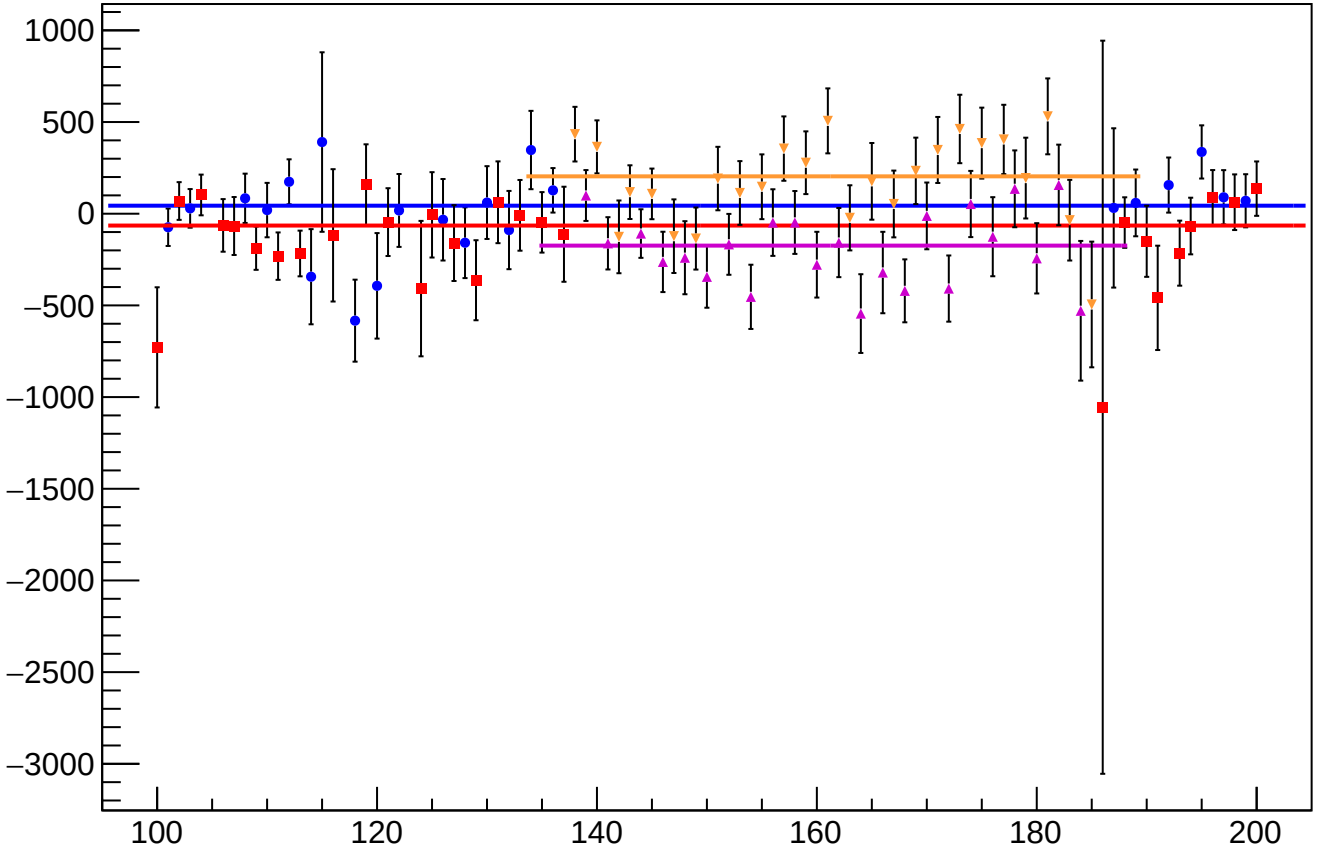
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10513171.4/46

All: 0.000+/-0.000 χ^2/NDF: 21077651.2/97

- sign 0.000+/-0.000 χ^2/NDF: 10296448.5/50

reg_asym_sam5_mean vs Slug



Right In: 43.740+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -64.589+/-31.709 χ^2/NDF: 23.5/27

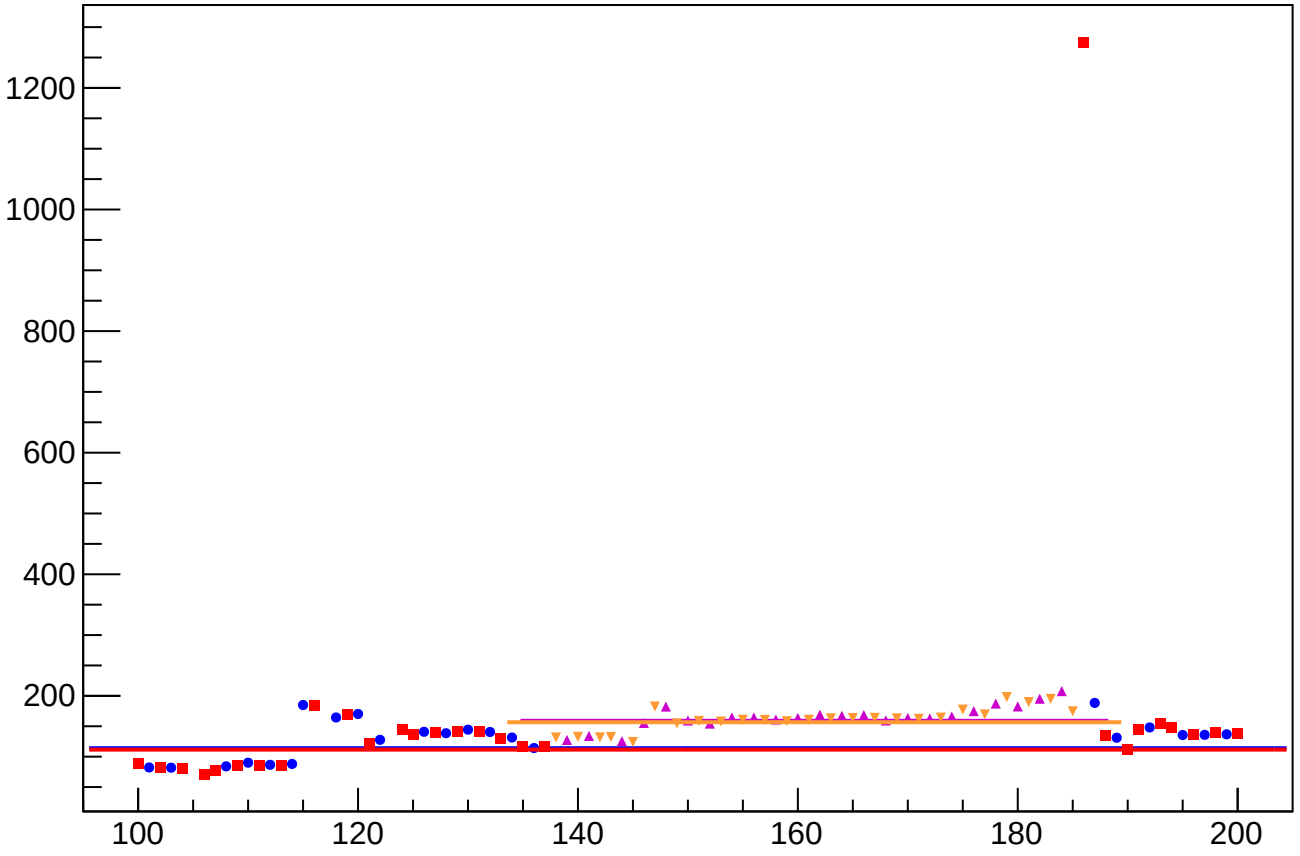
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 1.875+/-17.353 χ^2/NDF: 164.9/97

- sign -110.327+/-24.188 χ^2/NDF: 53.0/50

reg_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350213.6/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 111.559+/-0.022 χ^2/NDF: 2425203.4/27

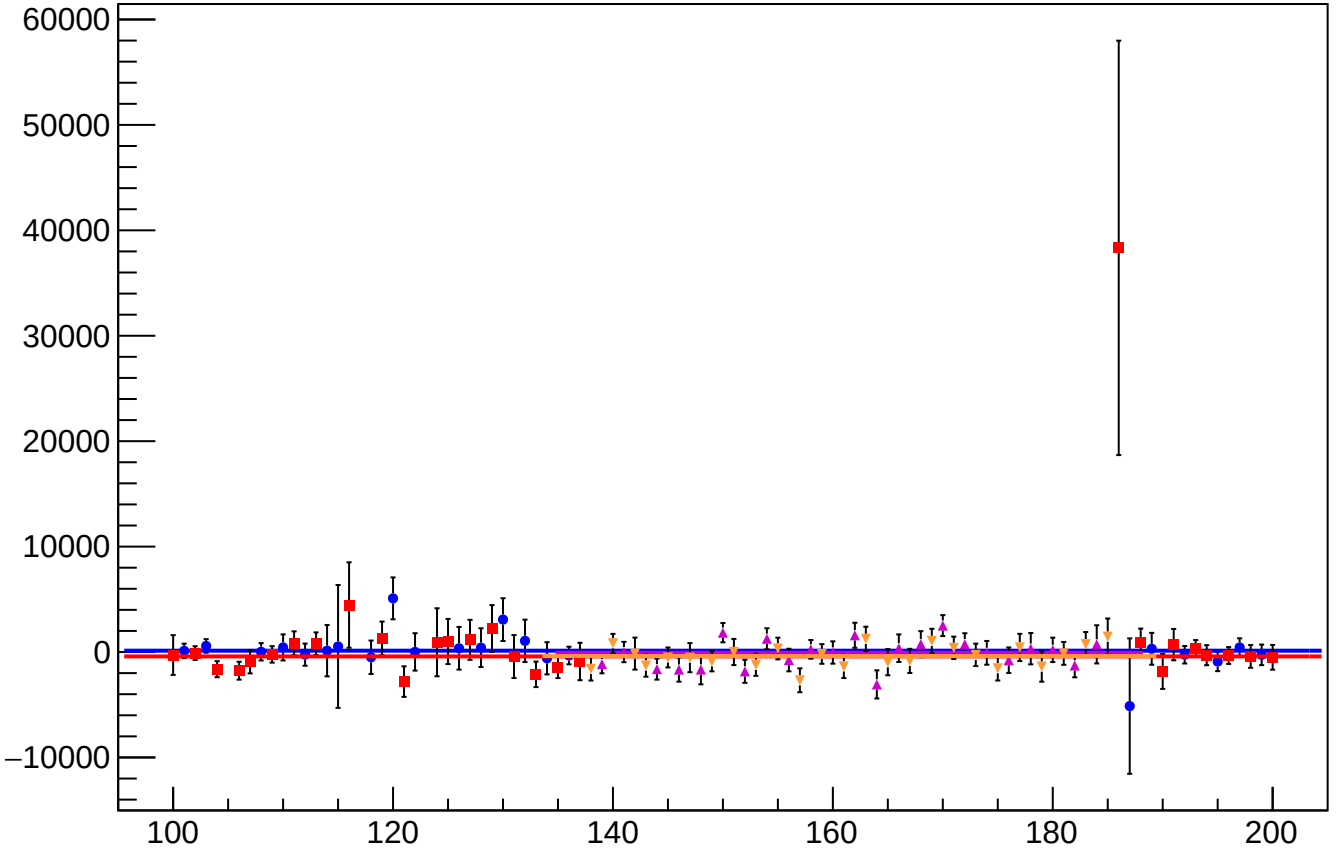
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402678.3/46

All: 132.892+/-0.012 χ^2/NDF: 8223518.1/97

- sign 131.376+/-0.017 χ^2/NDF: 4804637.6/50

asym_sam5_reg_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -415.893+/-218.274 χ^2/NDF: 26.3/27

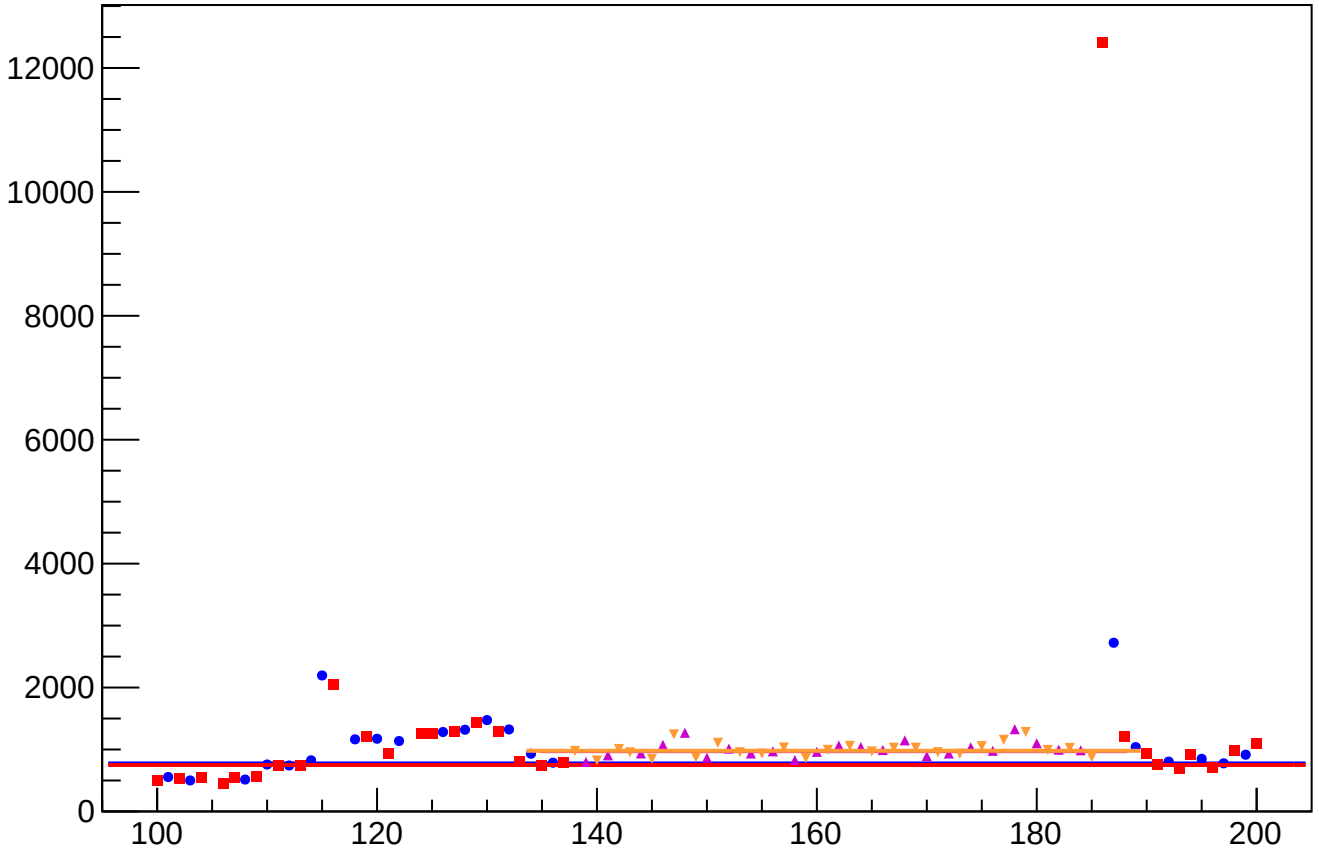
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -145.239+/-164.496 χ^2/NDF: 33.6/46

All: -201.687+/-114.047 χ^2/NDF: 94.3/97

- sign -253.935+/-158.257 χ^2/NDF: 60.6/50

asym_sam5_reg_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181830.5/21

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 749.791+/-0.154 χ^2/NDF: 3260991.1/27

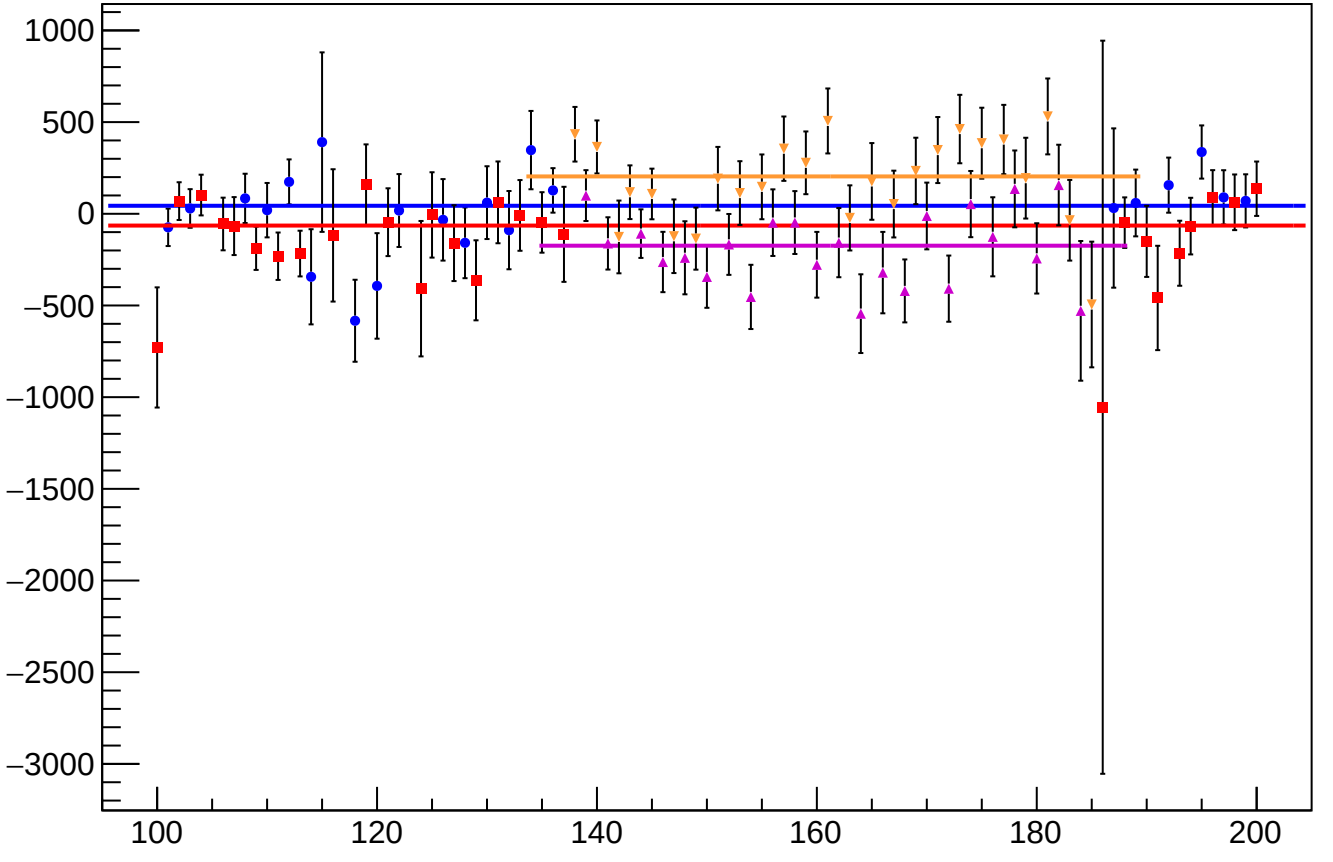
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380130.4/46

All: 869.658+/-0.081 χ^2/NDF: 8169794.0/97

- sign 856.051+/-0.112 χ^2/NDF: 4758907.2/50

cor_asym_sam5_mean vs Slug



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -64.217+/-31.711 χ^2/NDF: 23.5/27

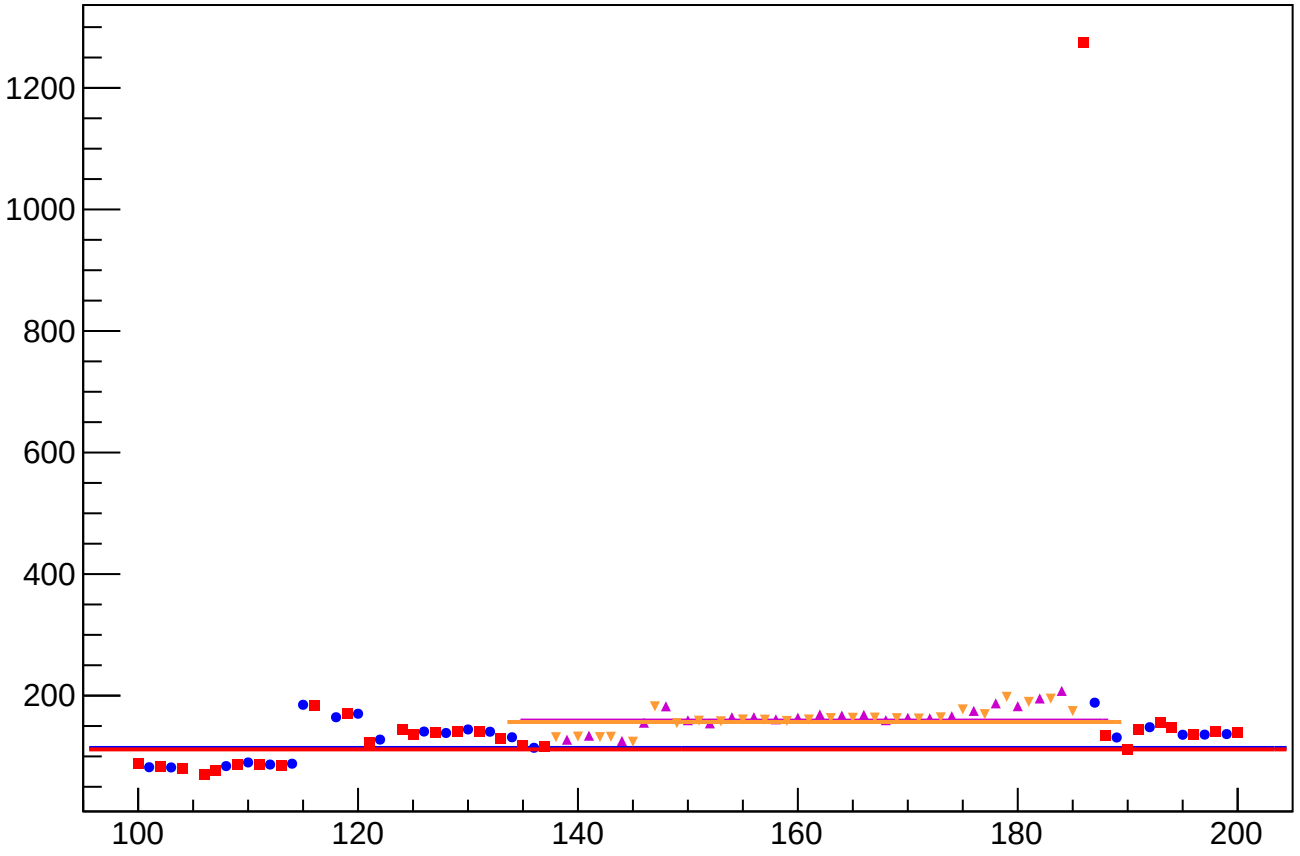
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 1.987+/-17.353 χ^2/NDF: 164.9/97

- sign -110.115+/-24.188 χ^2/NDF: 53.0/50

cor_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

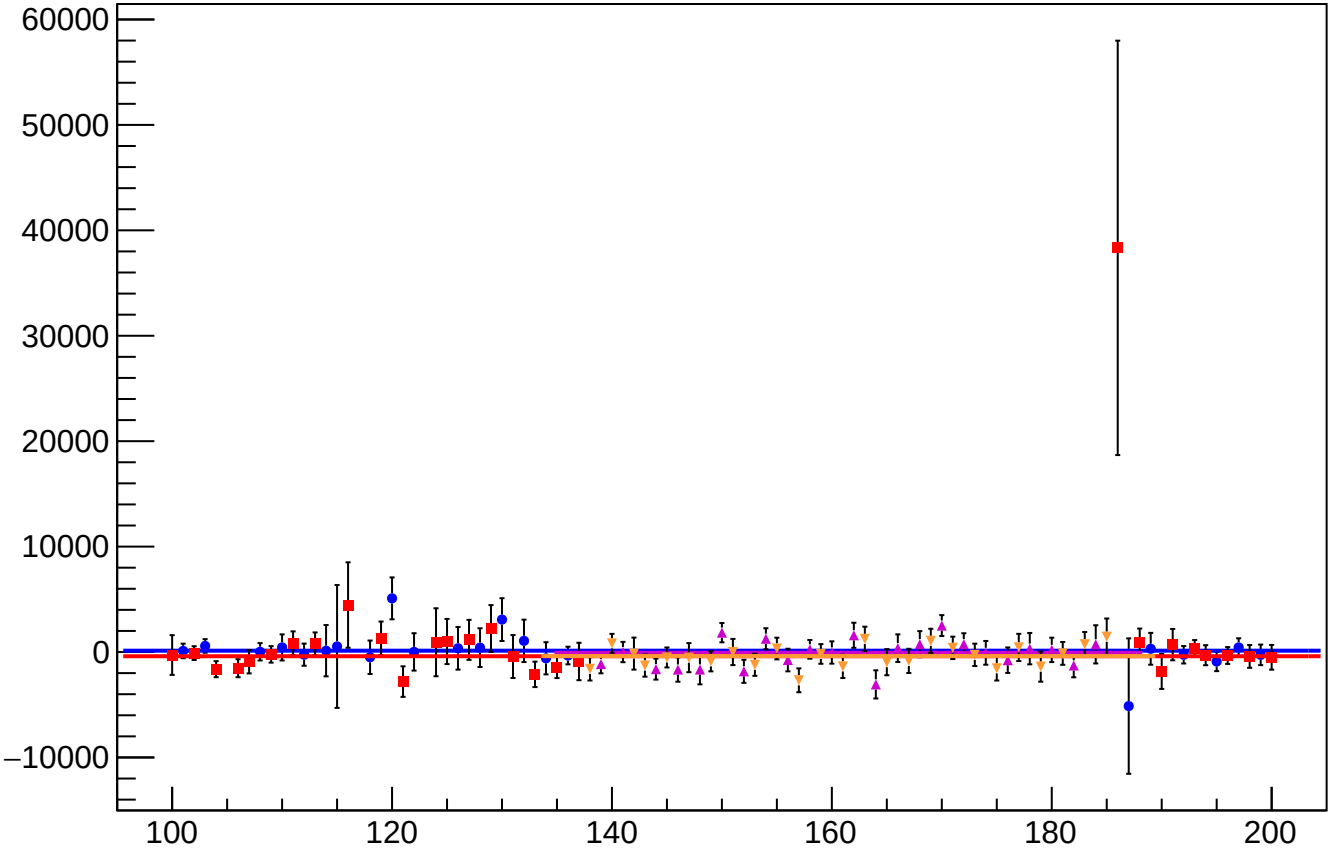
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402676.3/46

All: 132.888+/-0.012 χ^2/NDF: 8227704.2/97

- sign 131.368+/-0.017 χ^2/NDF: 4808744.2/50

asym_sam5_cor_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.876+/-218.369 χ^2/NDF: 25.5/27

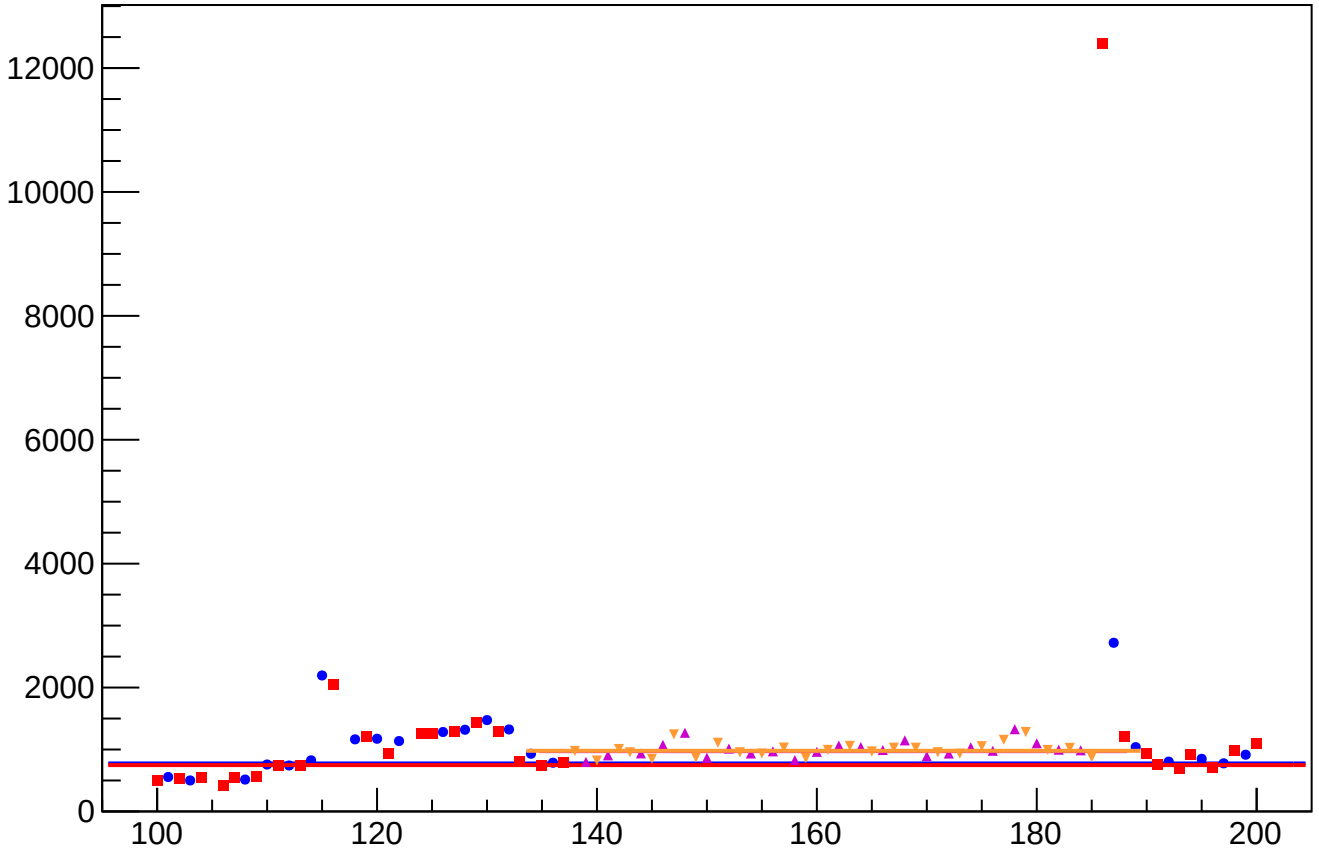
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -145.232+/-164.496 χ^2/NDF: 33.6/46

All: -196.990+/-114.060 χ^2/NDF: 93.3/97

- sign -244.918+/-158.293 χ^2/NDF: 59.6/50

asym_sam5_cor_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

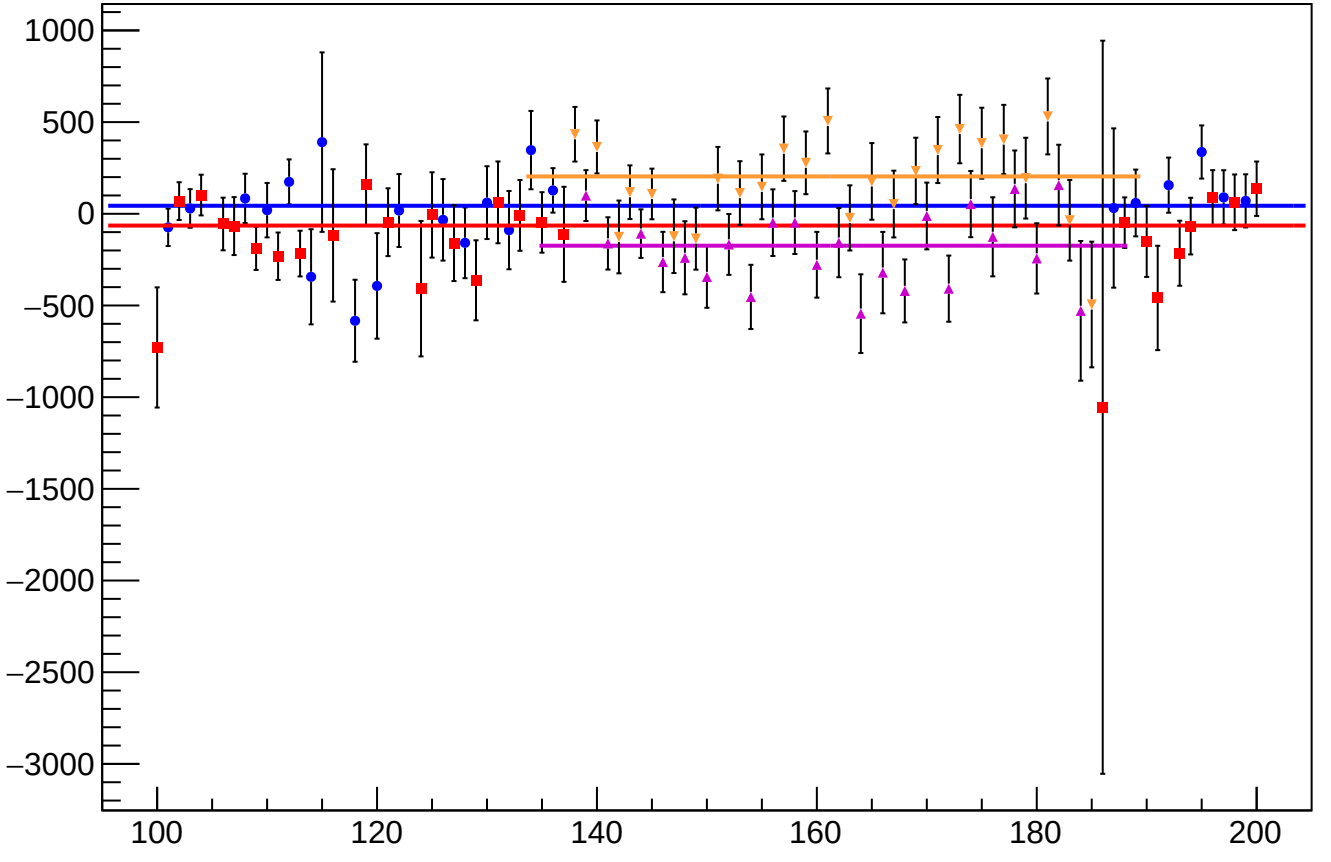
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380135.7/46

All: 869.321+/-0.081 χ^2/NDF: 8221345.9/97

- sign 855.397+/-0.112 χ^2/NDF: 4809022.3/50

eigen_cor_asym_sam5_mean vs Slug



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -64.217+/-31.711 χ^2/NDF: 23.5/27

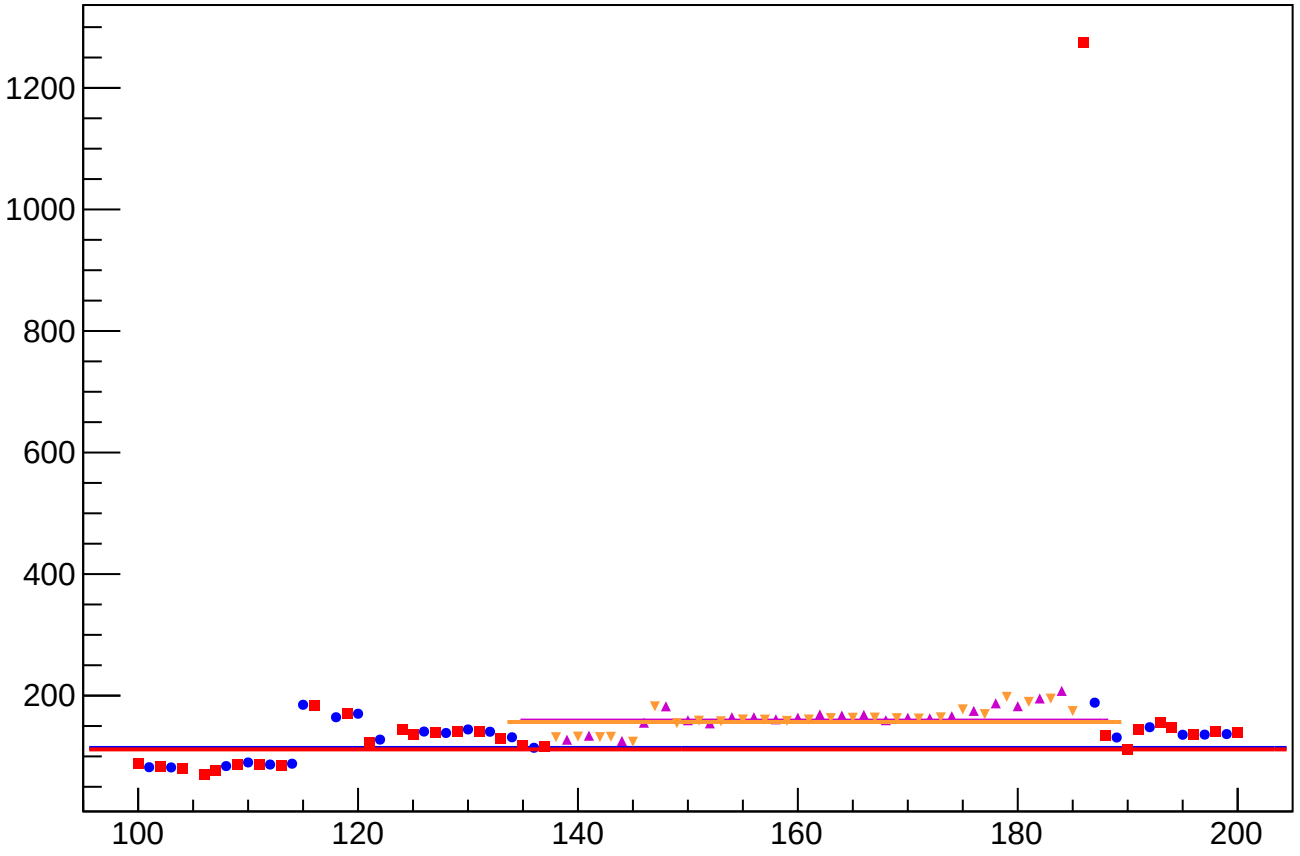
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 1.987+/-17.353 χ^2/NDF: 164.9/97

- sign -110.115+/-24.188 χ^2/NDF: 53.0/50

eigen_cor_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

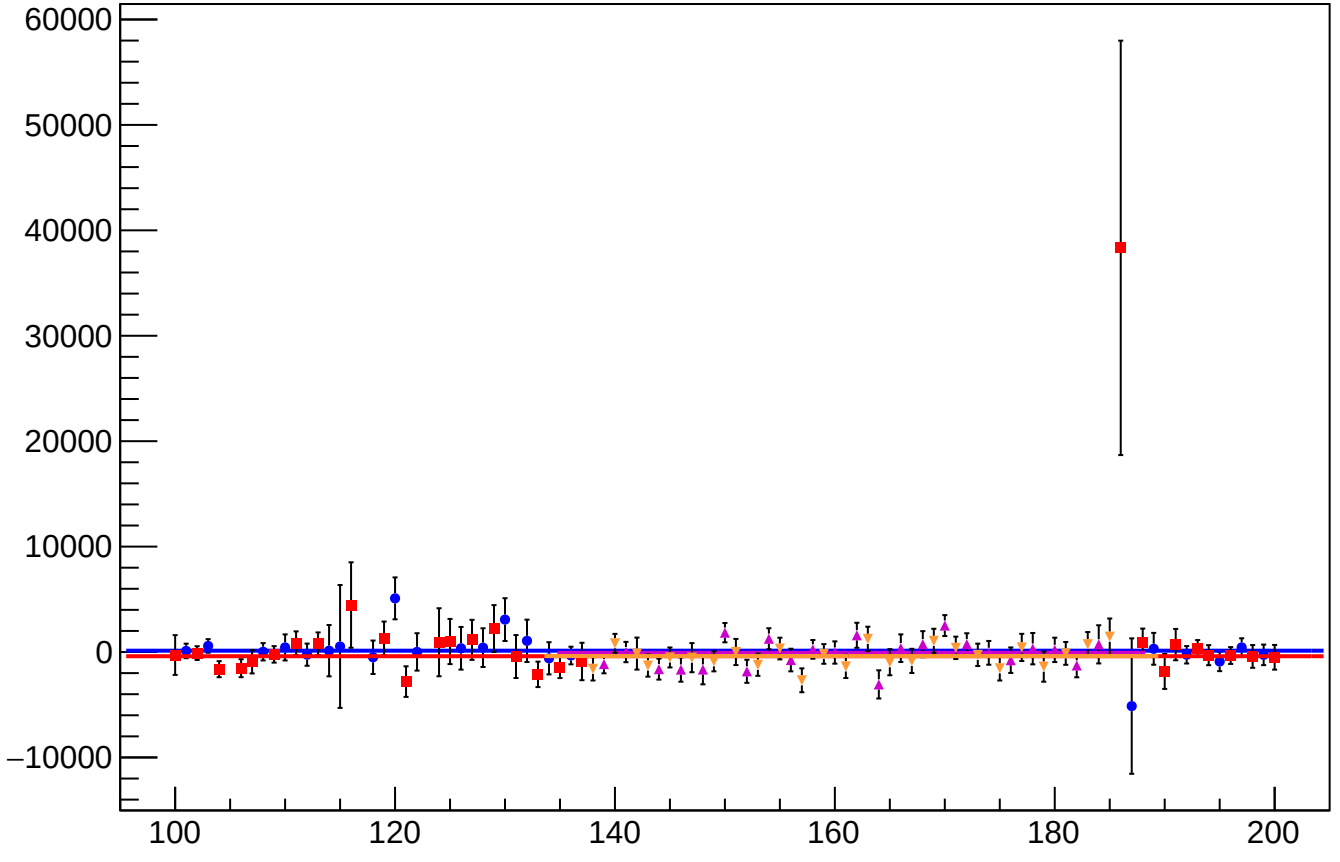
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402676.3/46

All: 132.888+/-0.012 χ^2/NDF: 8227704.2/97

- sign 131.368+/-0.017 χ^2/NDF: 4808744.2/50

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.876+/-218.369 χ^2/NDF: 25.5/27

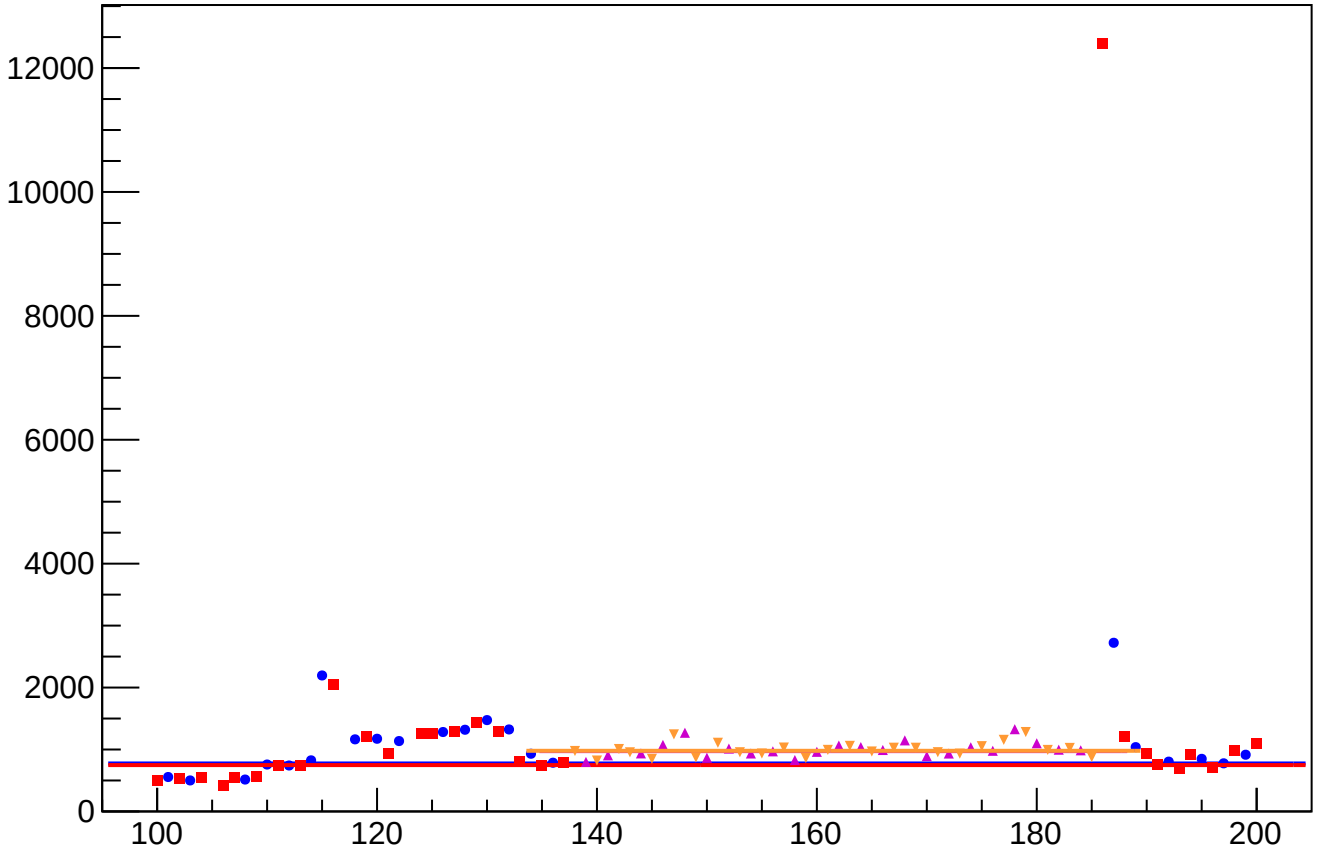
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -145.232+/-164.496 χ^2/NDF: 33.6/46

All: -196.990+/-114.060 χ^2/NDF: 93.3/97

- sign -244.918+/-158.293 χ^2/NDF: 59.6/50

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

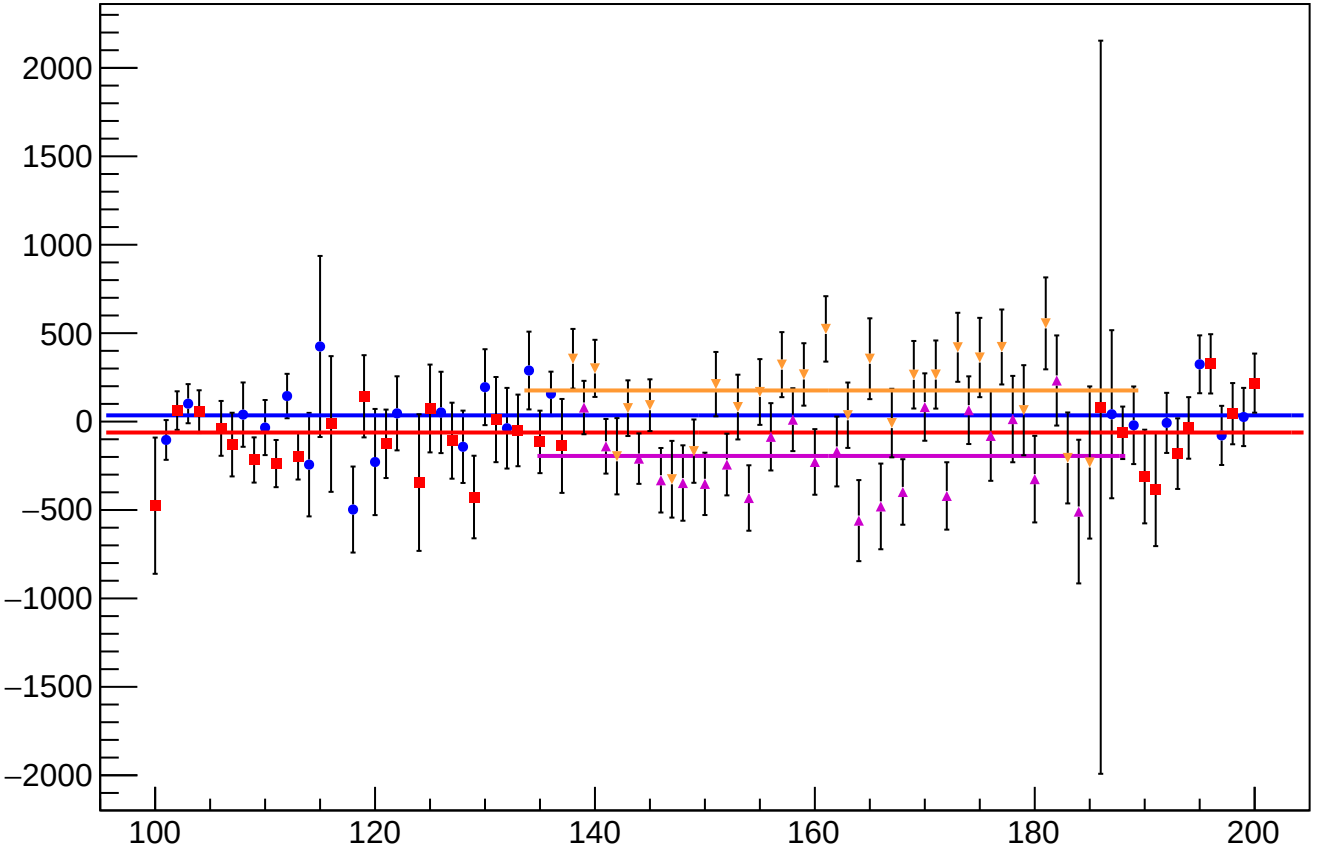
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380135.7/46

All: 869.321+/-0.081 χ^2/NDF: 8221345.9/97

- sign 855.397+/-0.112 χ^2/NDF: 4809022.3/50

dit_asym_sam5_mean vs Slug



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -61.821+/-34.482 χ^2/NDF: 23.1/27

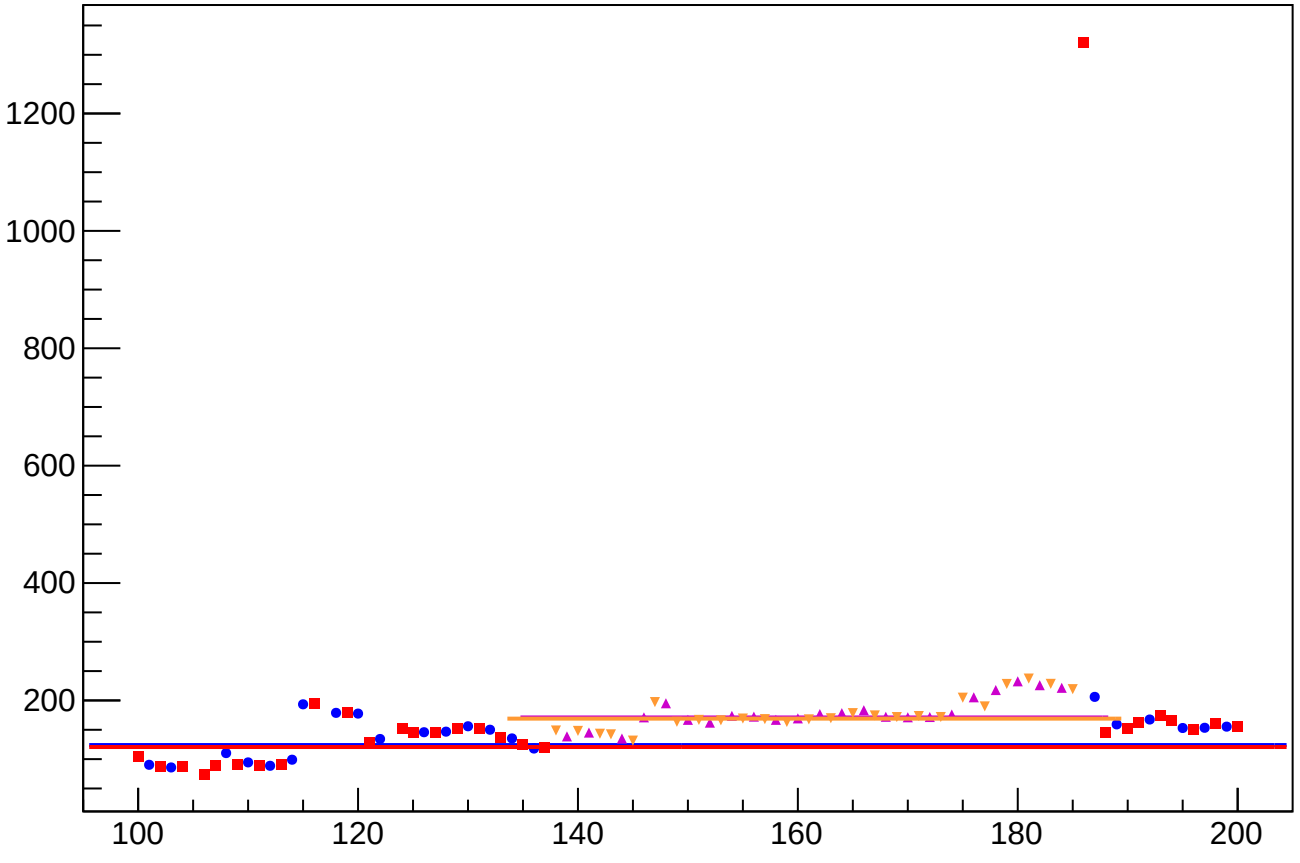
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 103.716+/-27.089 χ^2/NDF: 54.8/46

All: -10.581+/-18.841 χ^2/NDF: 142.4/97

- sign -117.693+/-26.223 χ^2/NDF: 53.2/50

dit_asym_sam5_rms vs Slug



Right In: 123.974+/-0.027 χ^2/NDF: 1443753.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 120.639+/-0.024 χ^2/NDF: 2593304.4/27

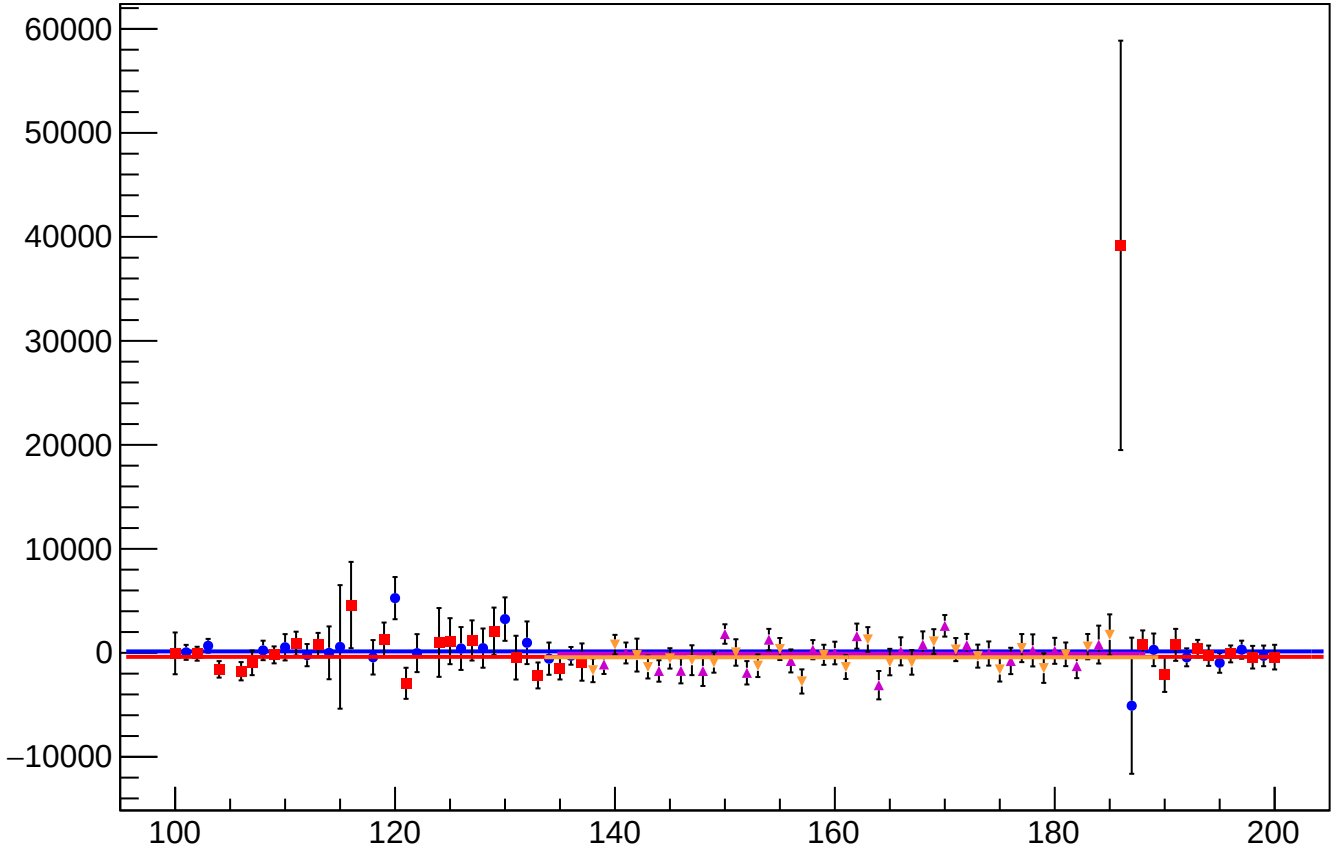
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.883+/-0.019 χ^2/NDF: 3598678.8/46

All: 143.818+/-0.013 χ^2/NDF: 8692941.9/97

- sign 141.883+/-0.019 χ^2/NDF: 5071754.2/50

asym_sam5_dit_correction_mean vs Slug



Right In: 137.840+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -385.529+/-225.425 χ^2/NDF: 26.2/27

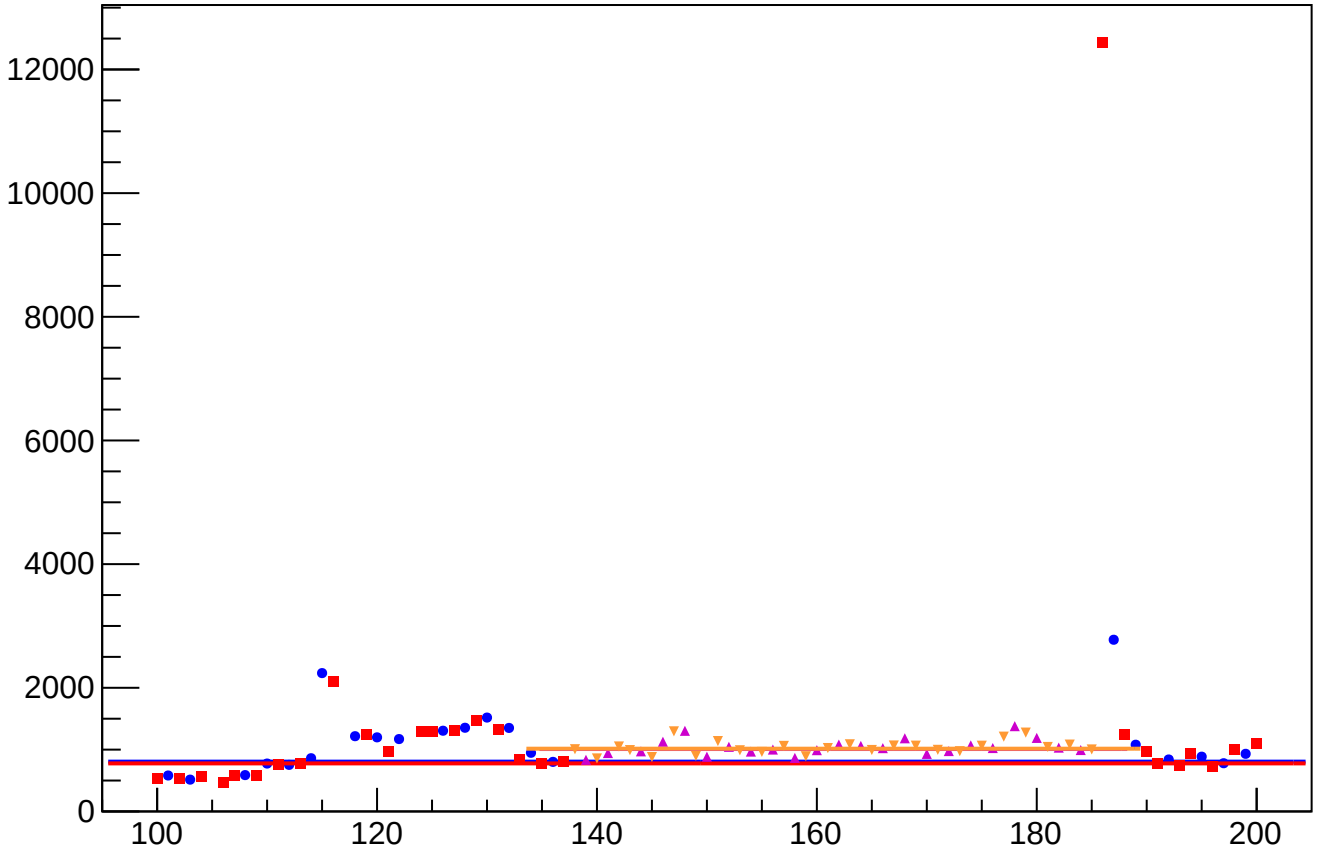
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -164.778+/-170.402 χ^2/NDF: 34.0/46

All: -206.084+/-118.057 χ^2/NDF: 93.5/97

- sign -244.213+/-163.715 χ^2/NDF: 59.4/50

asym_sam5_dit_correction_rms vs Slug



Right In: 805.686+/-0.177 χ^2/NDF: 2062066.6/21

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 777.174+/-0.159 χ^2/NDF: 3150155.7/27

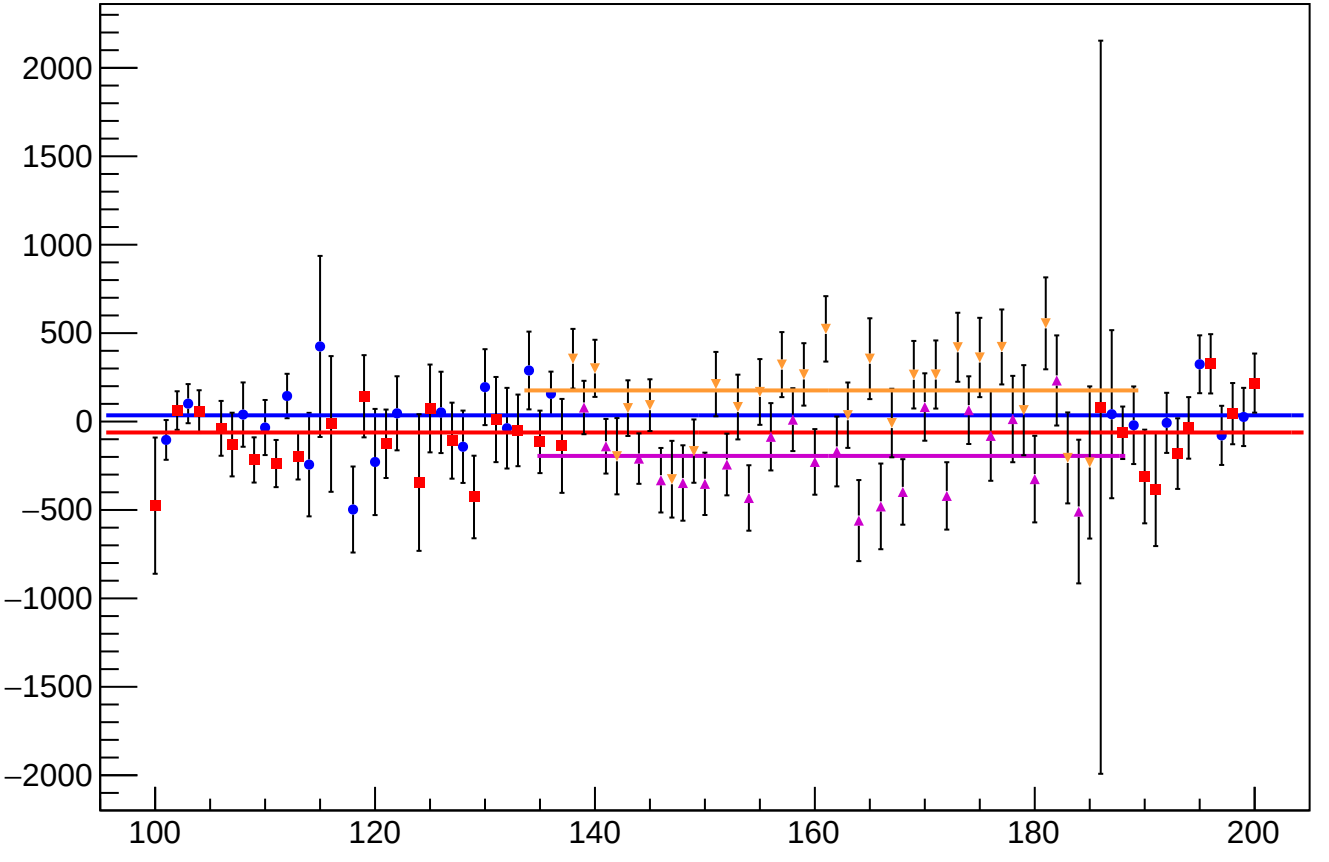
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 918.087+/-0.120 χ^2/NDF: 3210685.8/46

All: 901.944+/-0.083 χ^2/NDF: 7899503.0/97

- sign 887.044+/-0.116 χ^2/NDF: 4654300.1/50

eigen_dit_asym_sam5_mean vs Slug



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -61.822+/-34.482 χ^2/NDF: 23.1/27

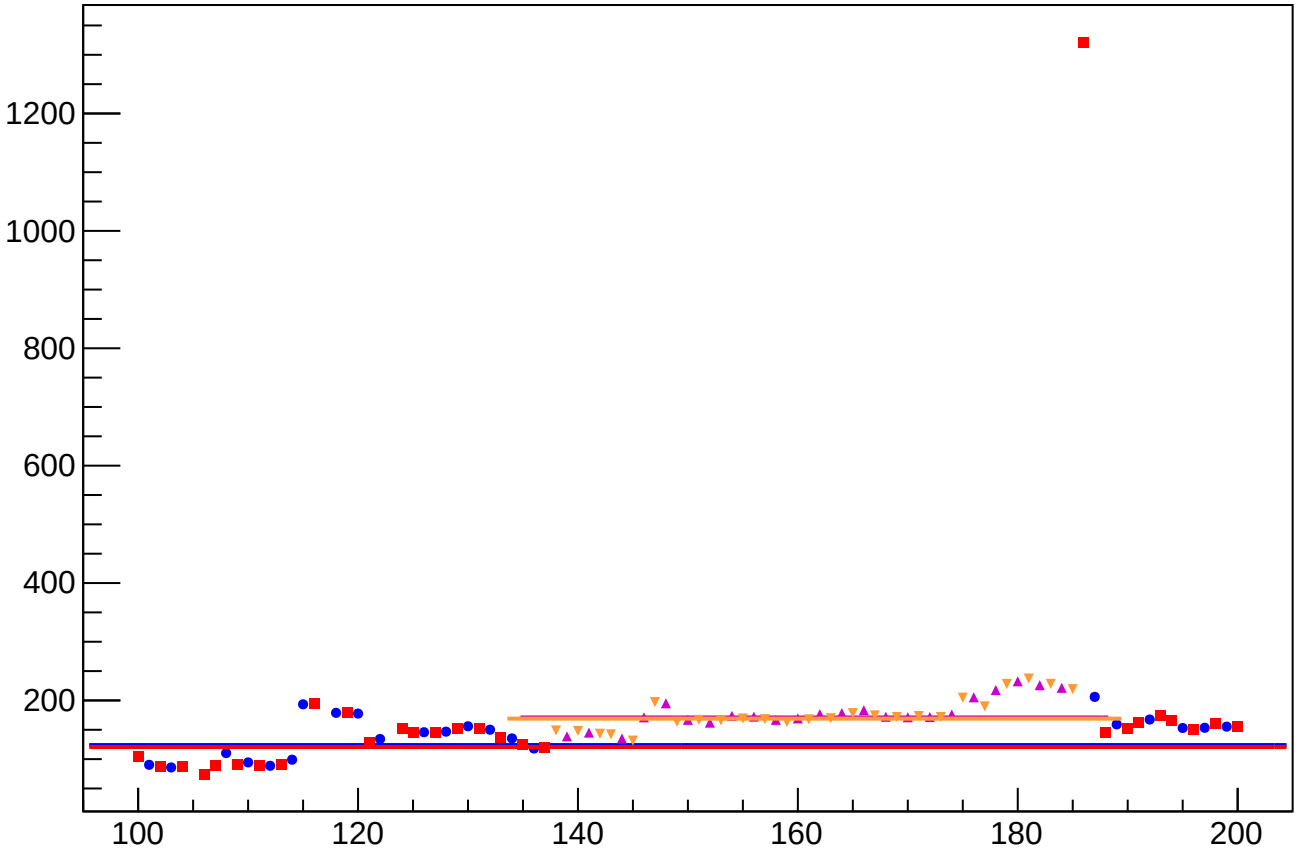
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 103.716+/-27.089 χ^2/NDF: 54.8/46

All: -10.581+/-18.841 χ^2/NDF: 142.4/97

- sign -117.693+/-26.223 χ^2/NDF: 53.2/50

eigen_dit_asym_sam5_rms vs Slug



Right In: 123.973+/-0.027 χ^2/NDF: 1443758.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 120.639+/-0.024 χ^2/NDF: 2593305.3/27

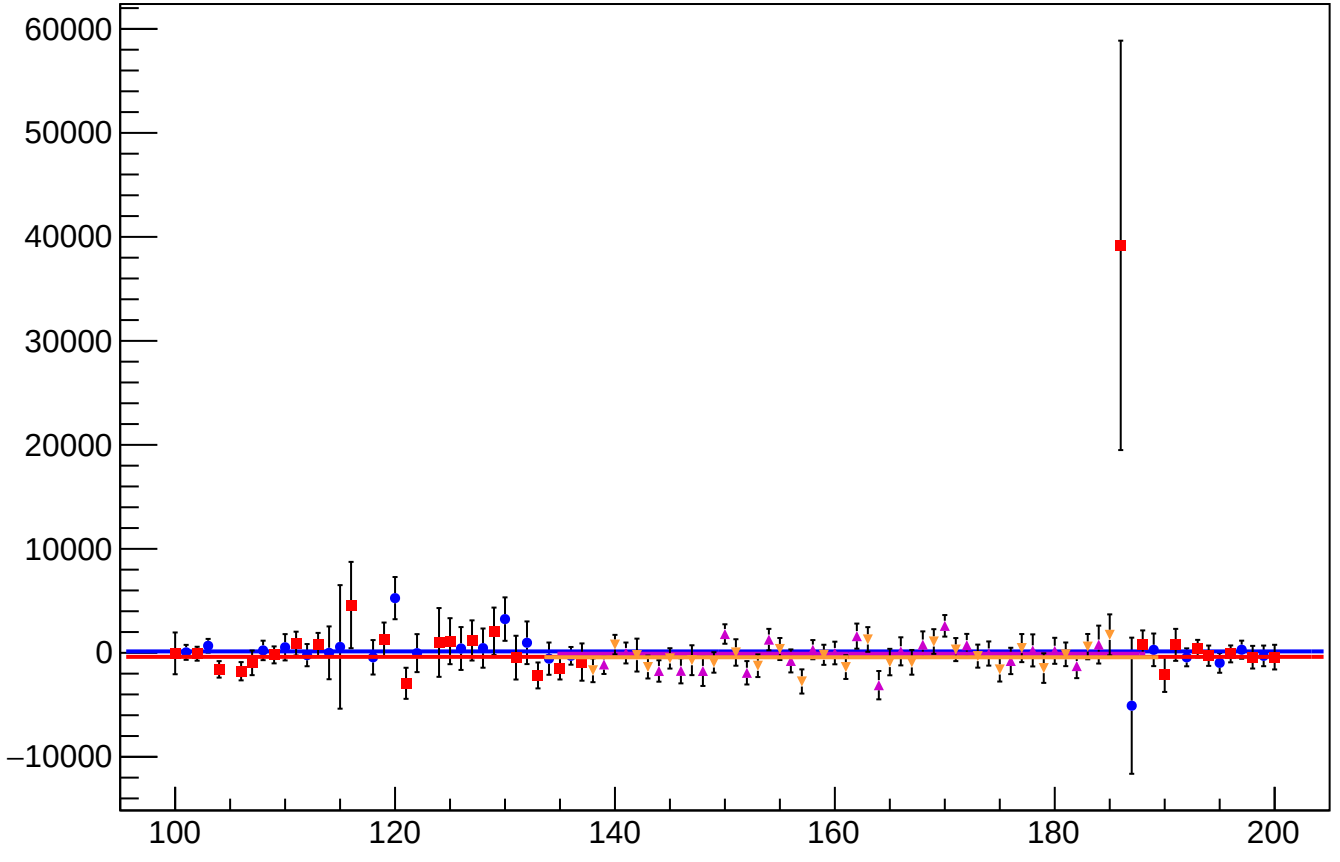
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.883+/-0.019 χ^2/NDF: 3598697.0/46

All: 143.818+/-0.013 χ^2/NDF: 8692980.7/97

- sign 141.883+/-0.019 χ^2/NDF: 5071775.6/50

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 137.841+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -385.530+/-225.425 χ^2/NDF: 26.2/27

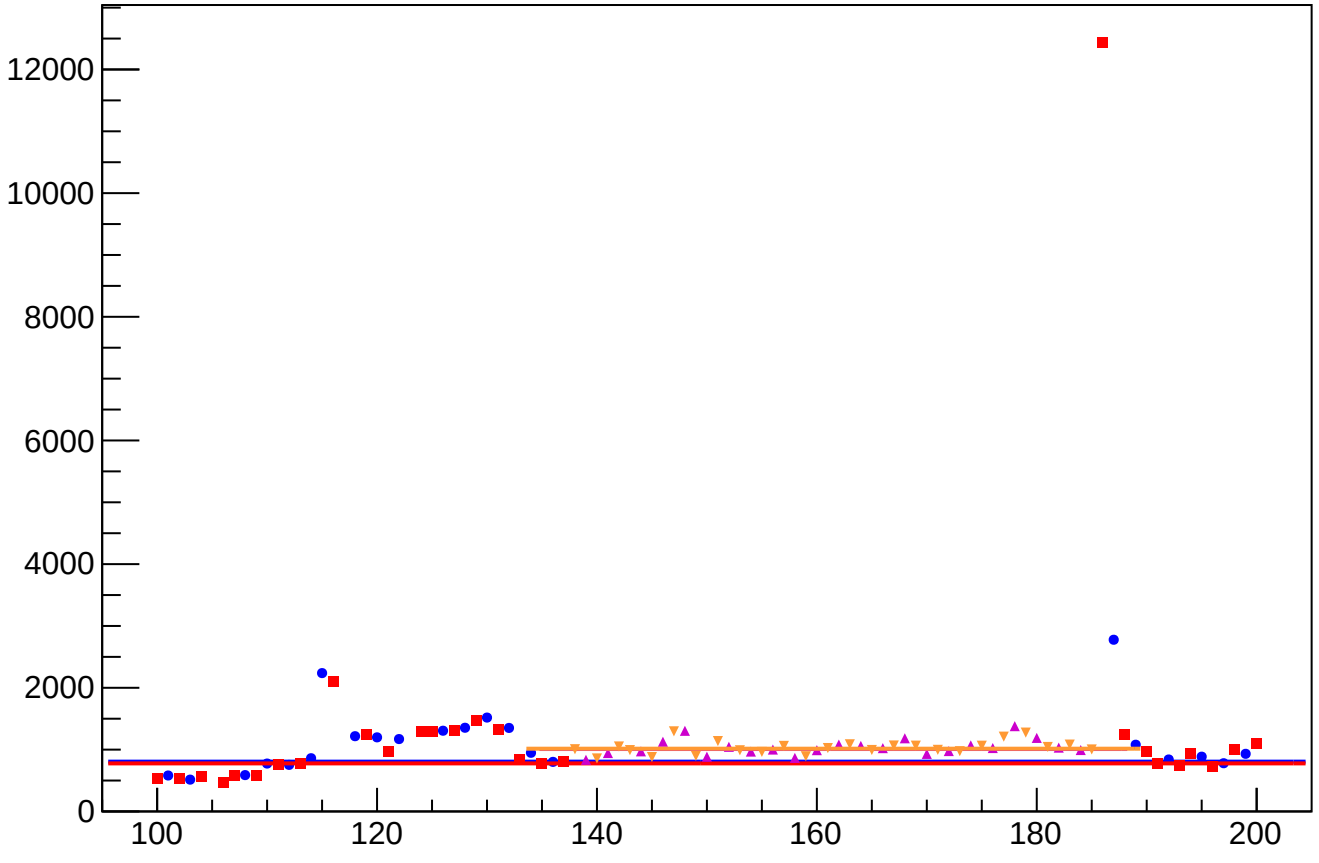
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -164.776+/-170.402 χ^2/NDF: 34.0/46

All: -206.084+/-118.057 χ^2/NDF: 93.5/97

- sign -244.213+/-163.715 χ^2/NDF: 59.4/50

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 805.685+/-0.177 χ^2/NDF: 2062067.7/21

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 777.173+/-0.159 χ^2/NDF: 3150162.3/27

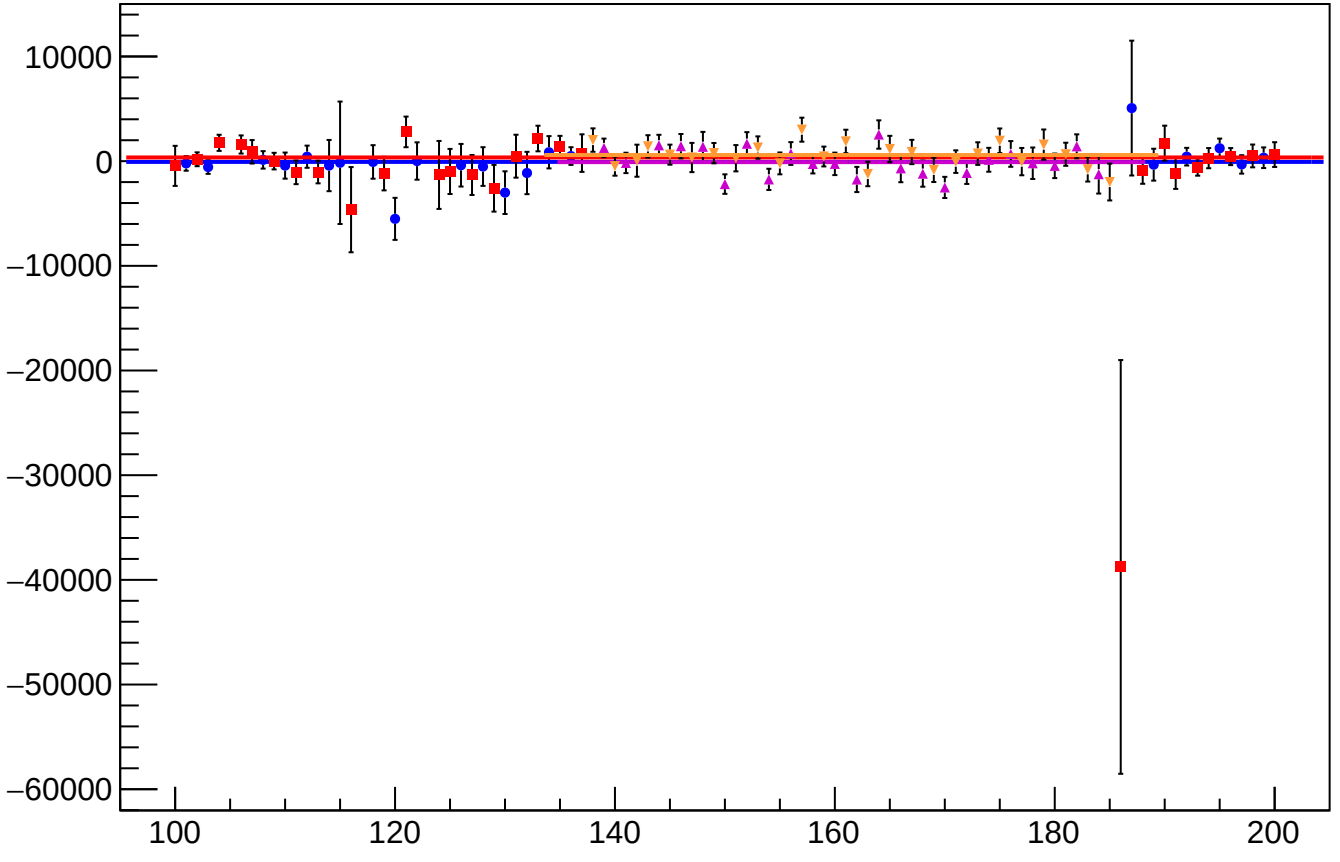
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 918.087+/-0.120 χ^2/NDF: 3210698.4/46

All: 901.945+/-0.083 χ^2/NDF: 7899537.1/97

- sign 887.044+/-0.116 χ^2/NDF: 4654321.8/50

asym_sam5_mean vs Slug



Right In: -70.331+/-244.594 χ^2/NDF: 14.8/21

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 354.434+/-221.177 χ^2/NDF: 28.5/27

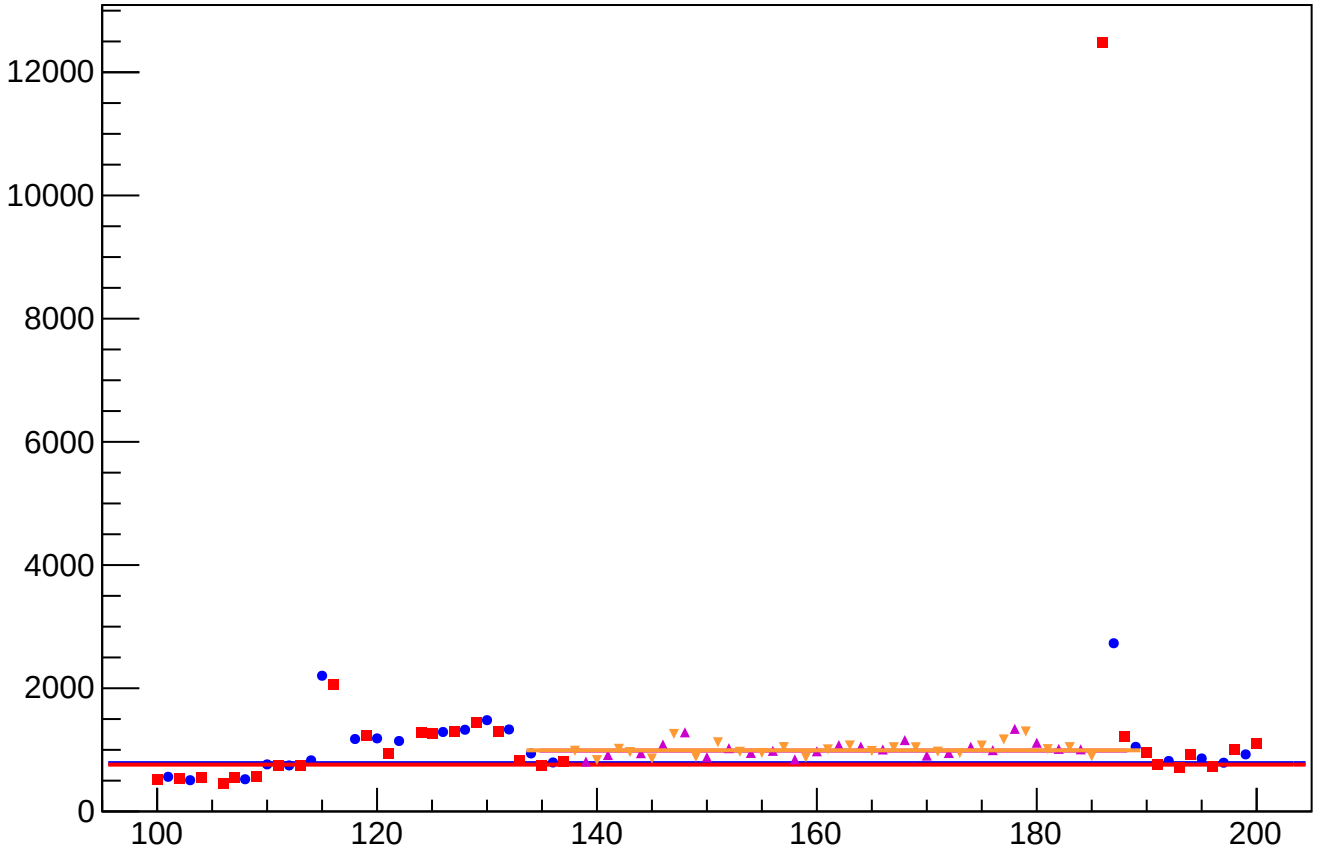
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 281.547+/-166.616 χ^2/NDF: 39.4/46

All: 209.402+/-115.562 χ^2/NDF: 104.8/97

- sign 142.524+/-160.419 χ^2/NDF: 65.1/50

asym_sam5_rms vs Slug



Right In: 784.629+/-0.173 χ^2/NDF: 2159583.2/21

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 760.120+/-0.156 χ^2/NDF: 3235129.0/27

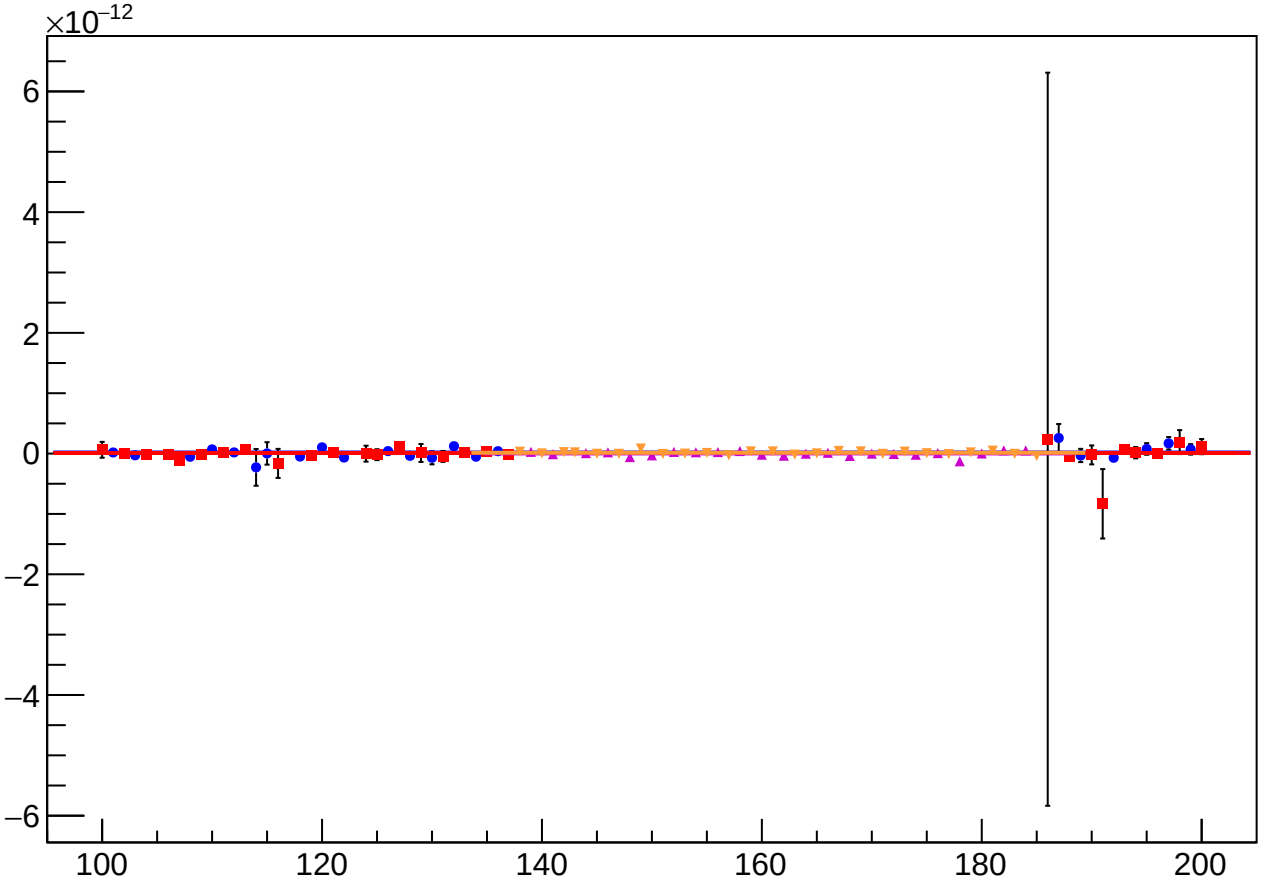
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 896.069+/-0.118 χ^2/NDF: 3359078.7/46

All: 881.513+/-0.082 χ^2/NDF: 8115659.9/97

- sign 868.020+/-0.113 χ^2/NDF: 4727167.6/50

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/27

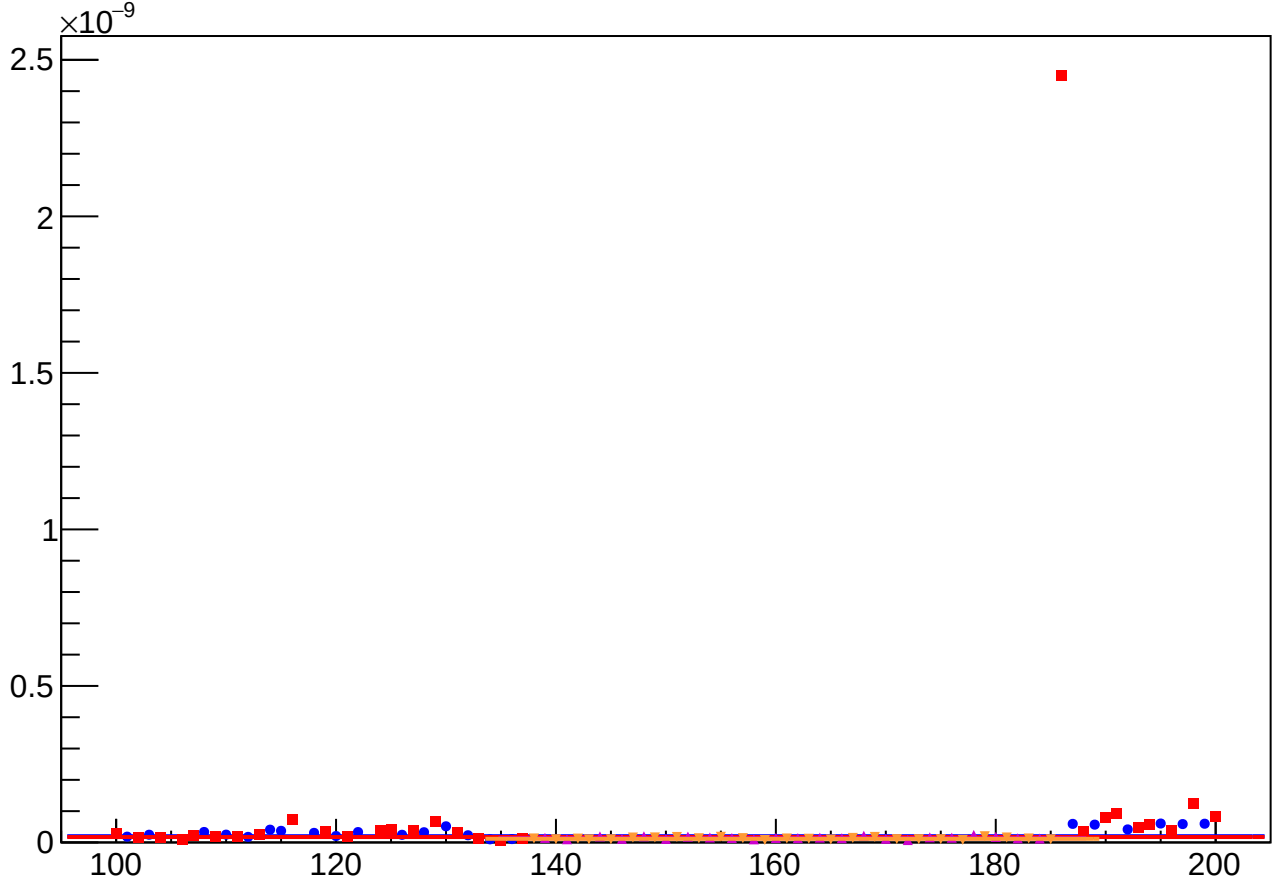
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.9/46

All: 0.000+/-0.000 χ^2/NDF: 97.7/97

- sign 0.000+/-0.000 χ^2/NDF: 48.2/50

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2791576.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795074.9/27

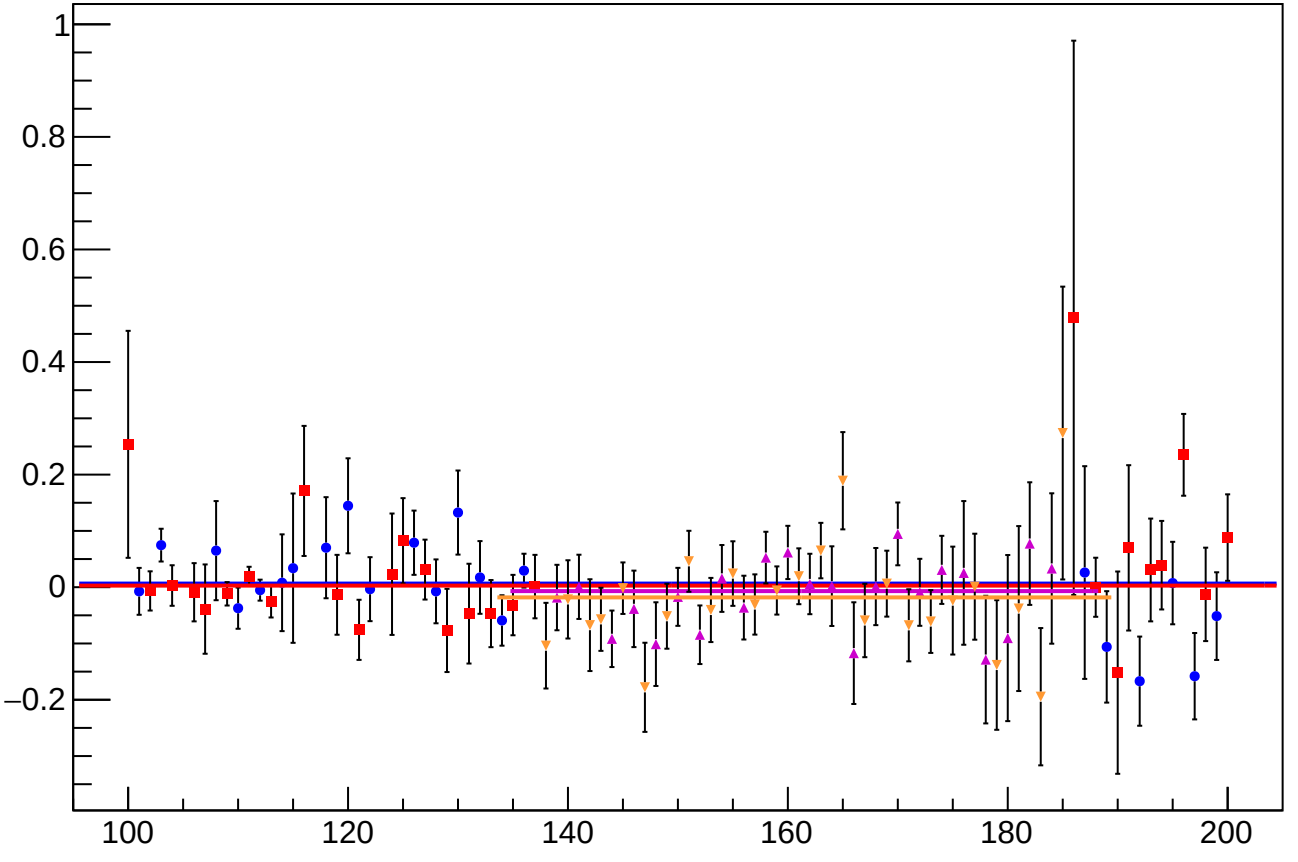
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4634353.9/46

All: 0.000+/-0.000 χ^2/NDF: 10651182.7/97

- sign 0.000+/-0.000 χ^2/NDF: 5926718.2/50

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 26.5/27

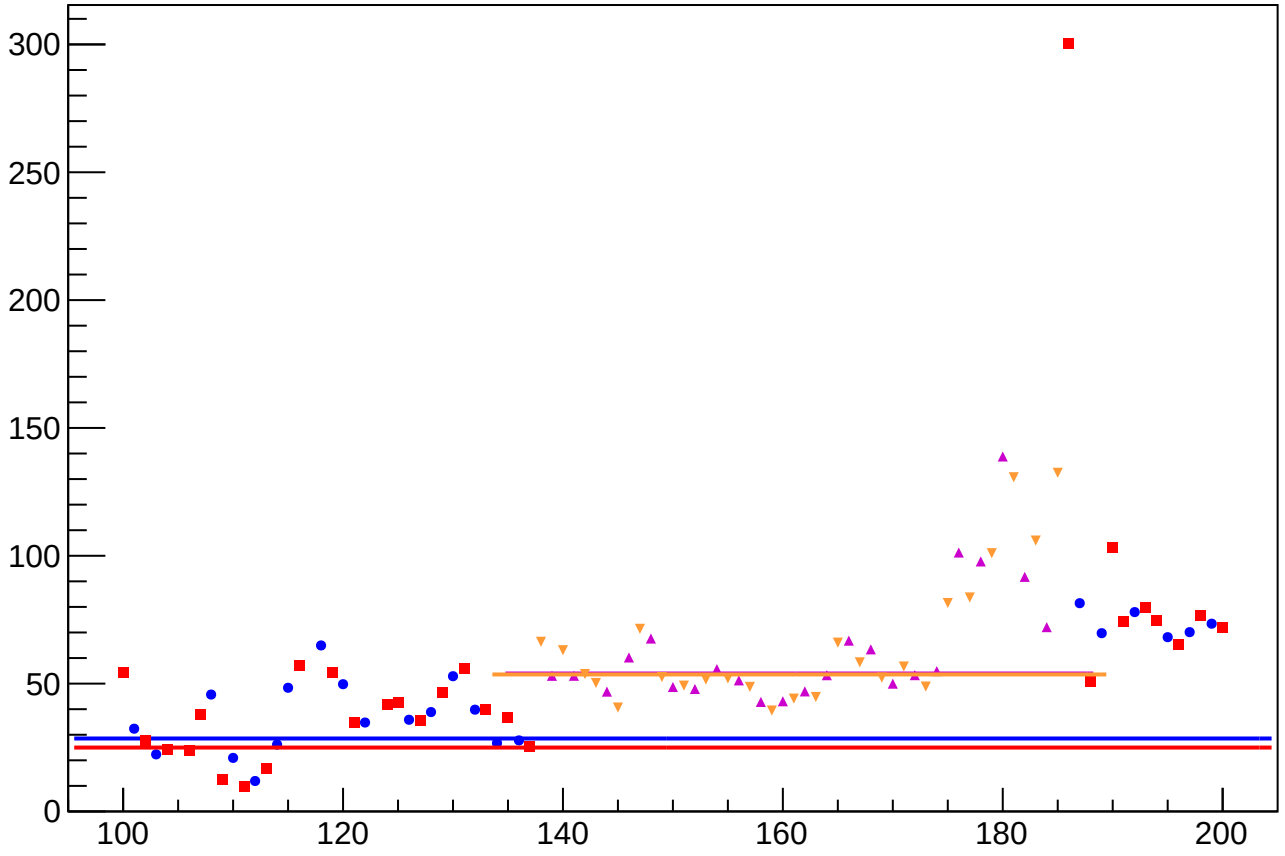
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.001+/-0.005 χ^2/NDF: 101.9/97

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

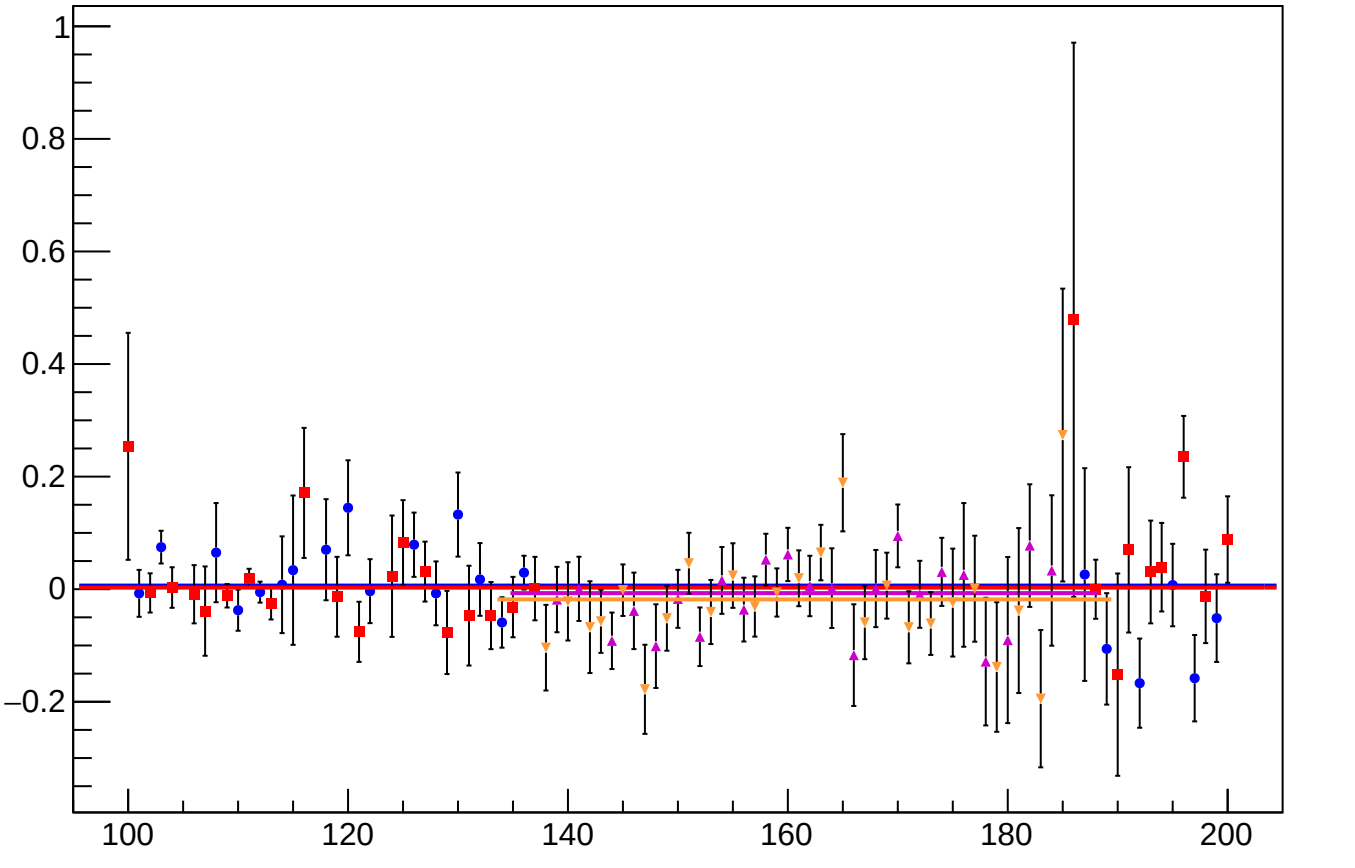
Right Out: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 38.189+/-0.006 χ^2/NDF: 13234293.4/46

All: 35.855+/-0.004 χ^2/NDF: 31707380.5/97

\- sign 33.880+/-0.005 χ^2/NDF: 18154531.7/50



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 26.5/27

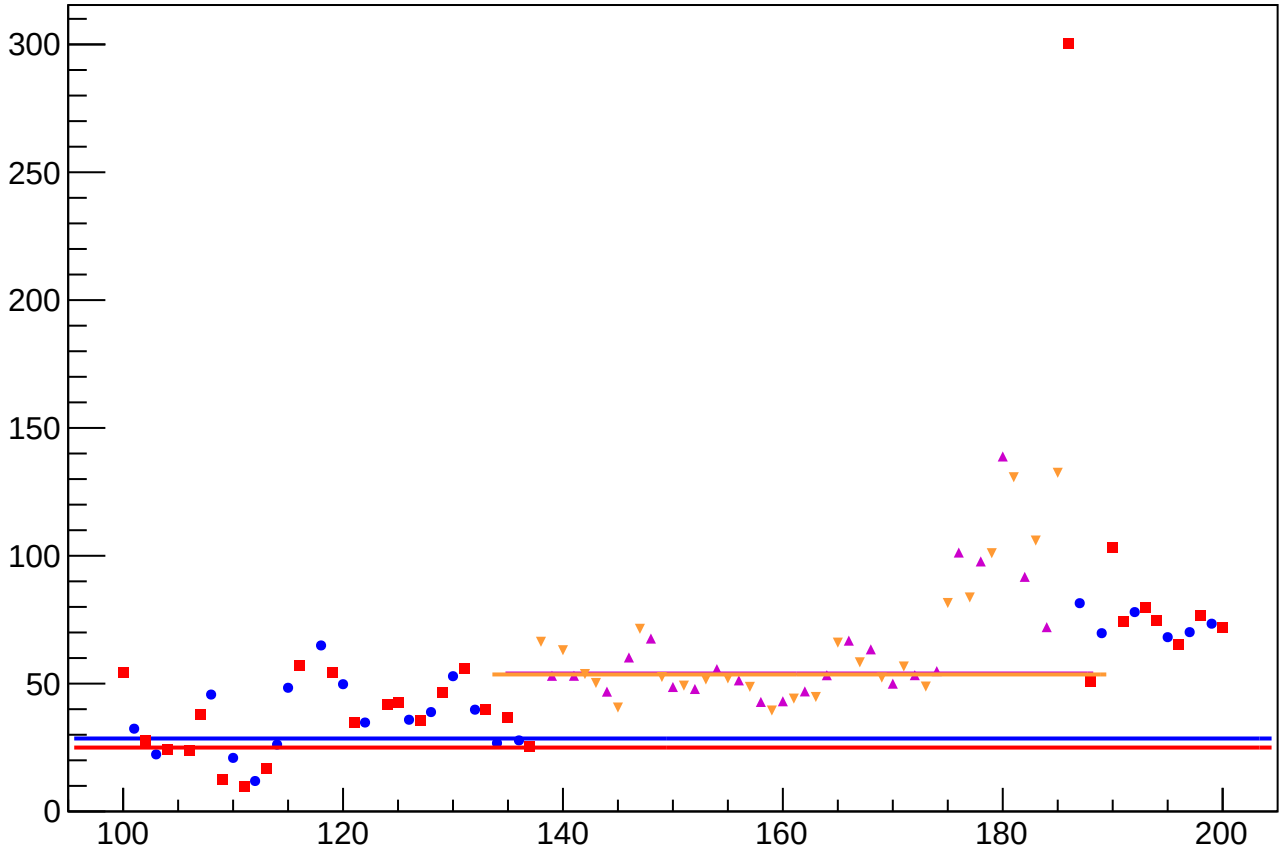
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.001+/-0.005 χ^2/NDF: 101.9/97

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

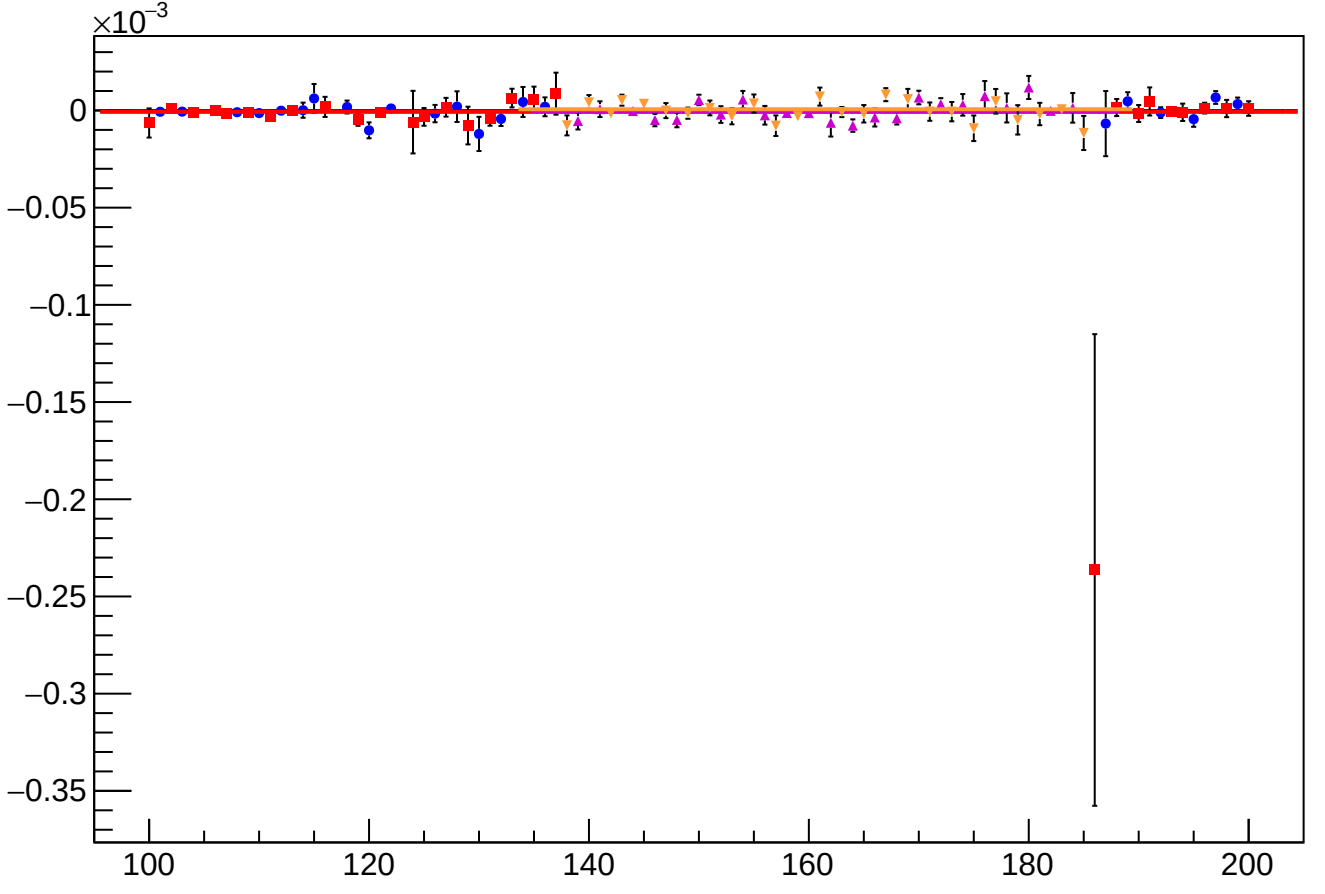
Right Out: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.189+/-0.006 χ^2/NDF: 13234293.4/46

All: 35.855+/-0.004 χ^2/NDF: 31707380.5/97

- sign 33.880+/-0.005 χ^2/NDF: 18154531.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/27

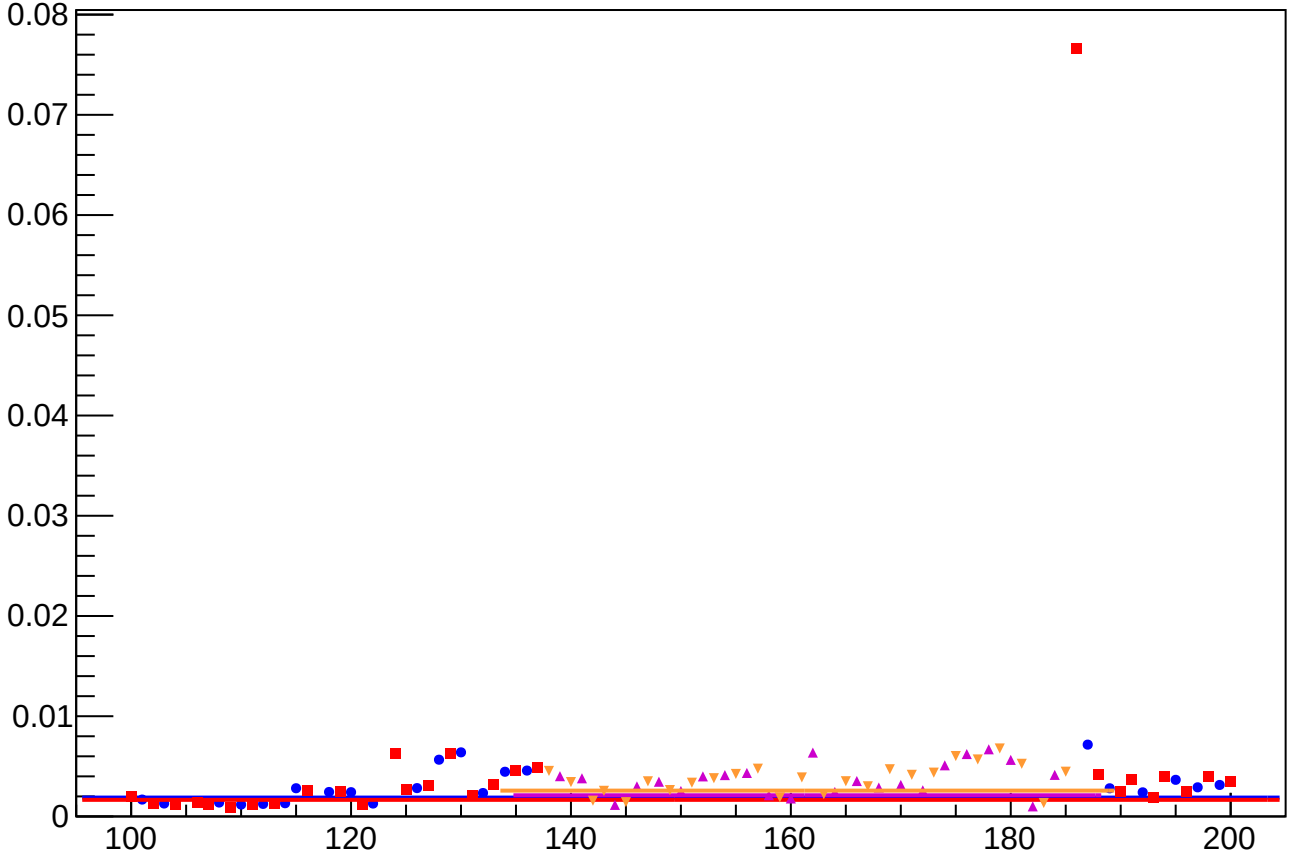
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/46

All: -0.000+/-0.000 χ^2/NDF: 101.6/97

- sign -0.000+/-0.000 χ^2/NDF: 48.5/50

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4378770.5/21

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

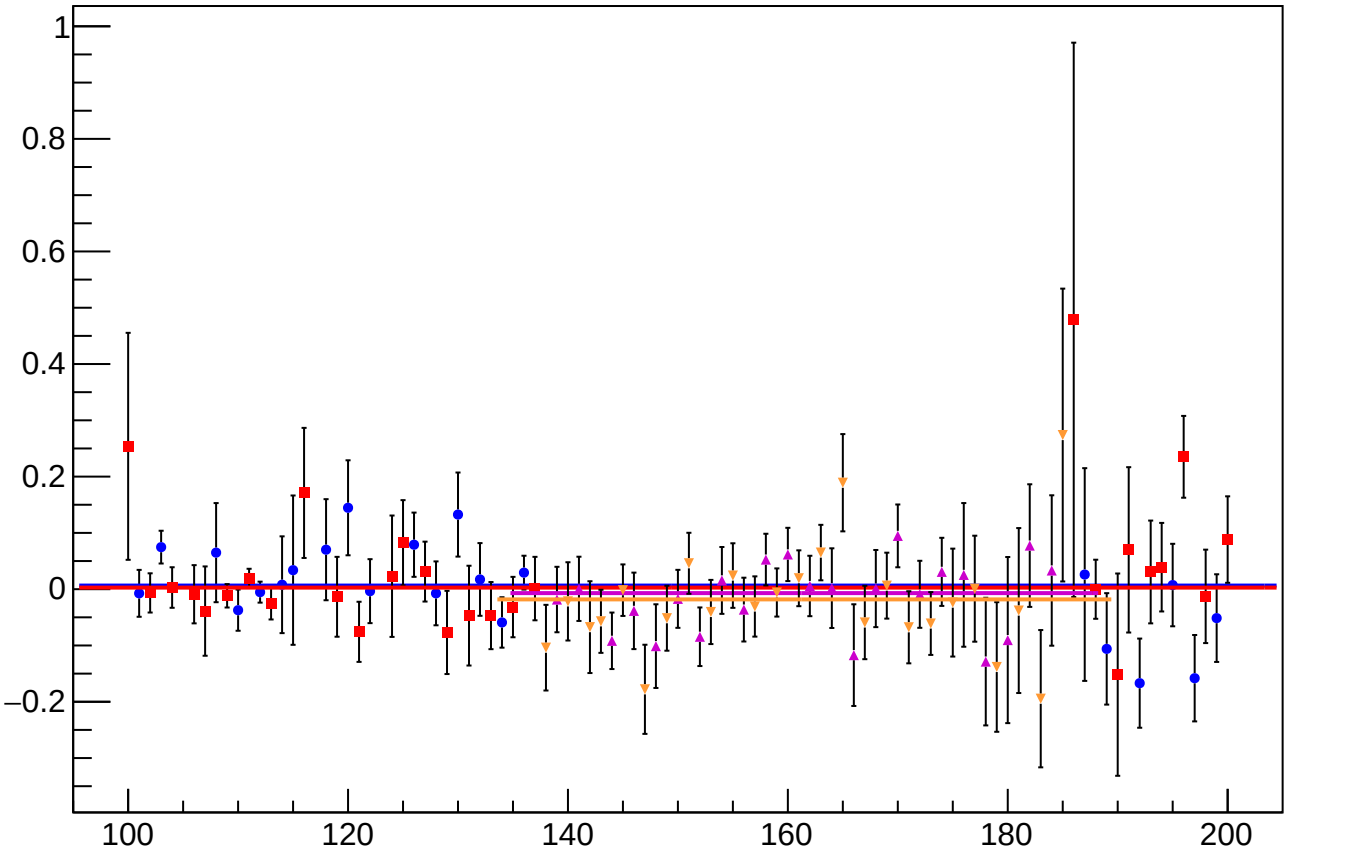
Right Out: 0.002+/-0.000 χ^2/NDF: 6755355.8/27

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12632503.8/46

All: 0.002+/-0.000 χ^2/NDF: 30219048.7/97

- sign 0.002+/-0.000 χ^2/NDF: 16911533.8/50



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 26.5/27

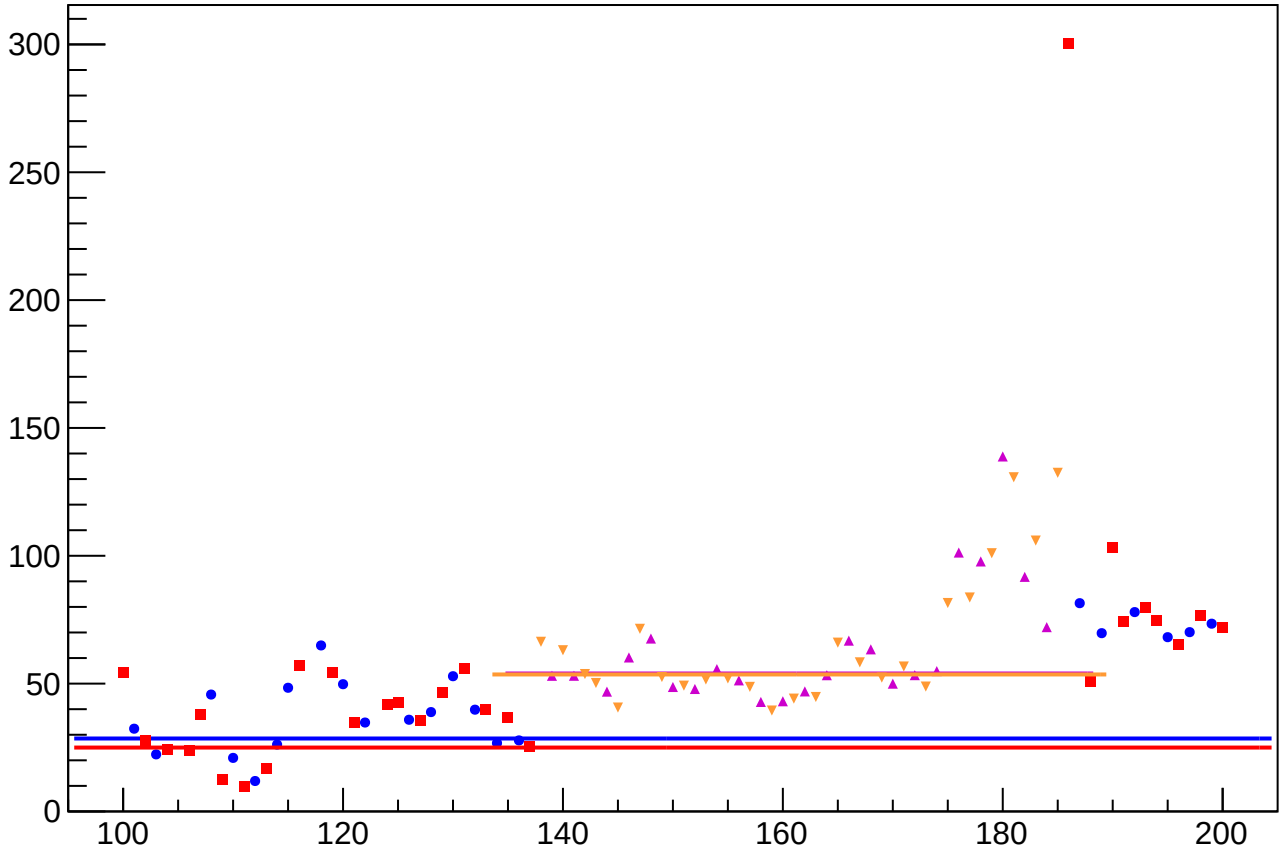
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.001+/-0.005 χ^2/NDF: 101.9/97

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

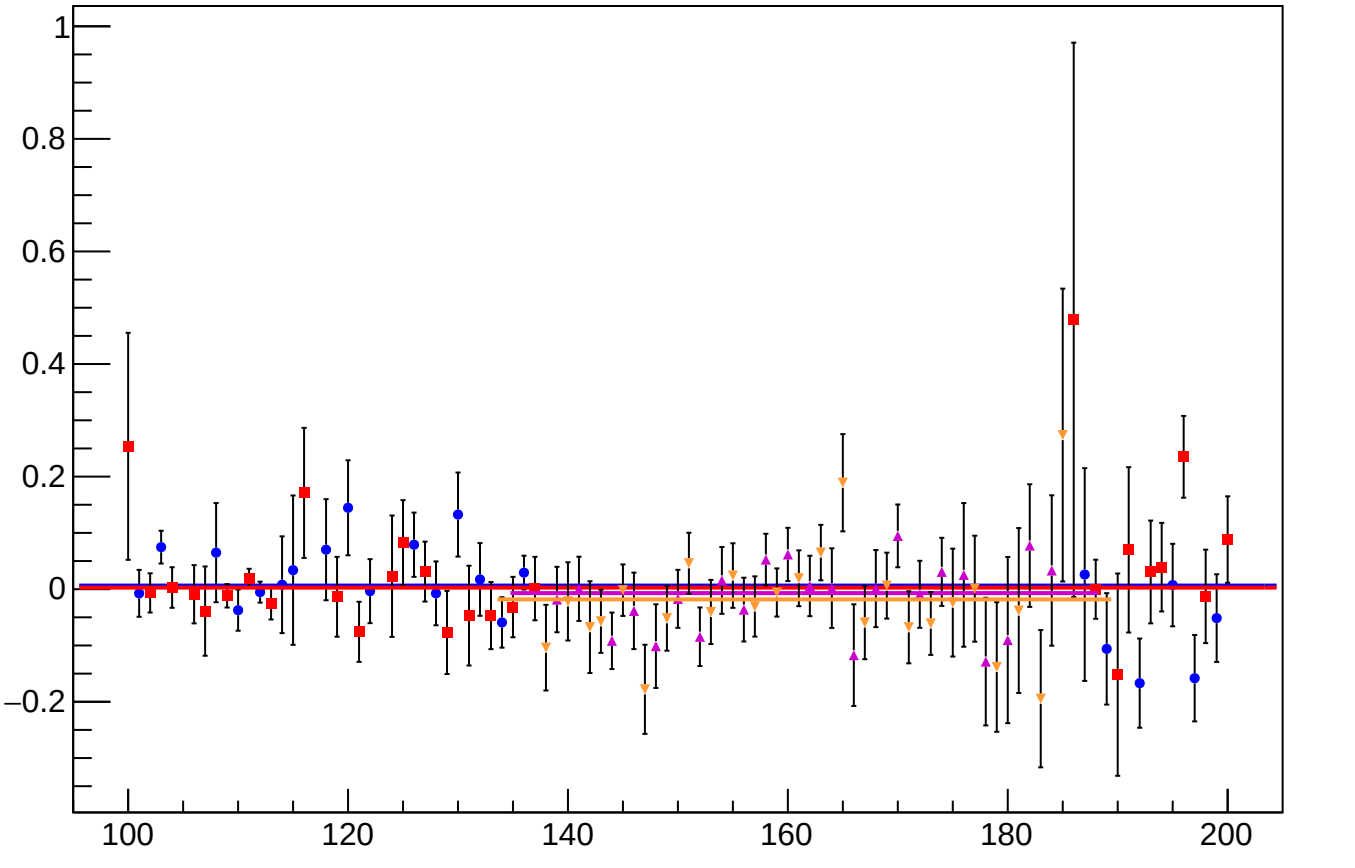
Right Out: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.188+/-0.006 χ^2/NDF: 13234749.3/46

All: 35.854+/-0.004 χ^2/NDF: 31708498.5/97

- sign 33.880+/-0.005 χ^2/NDF: 18155167.1/50



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 26.5/27

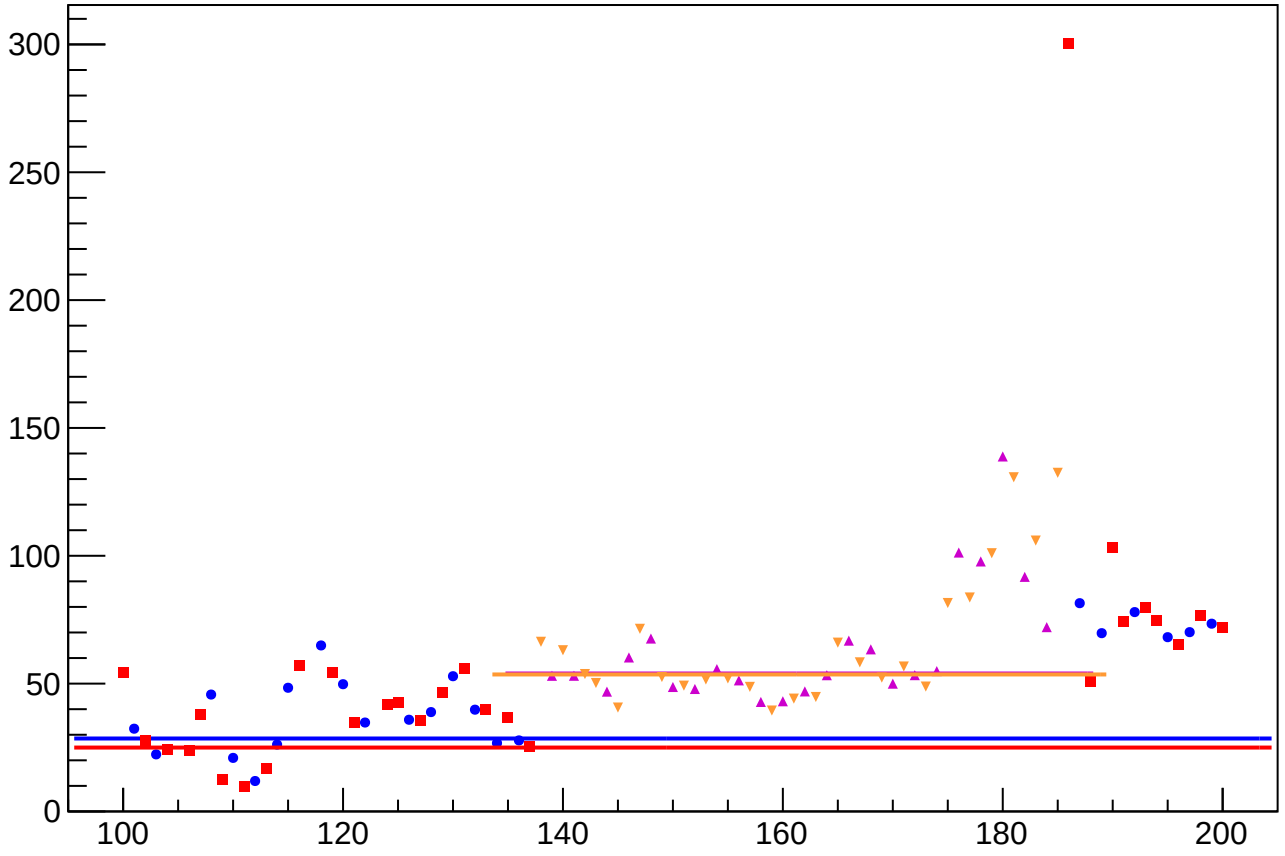
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.001+/-0.005 χ^2/NDF: 101.9/97

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

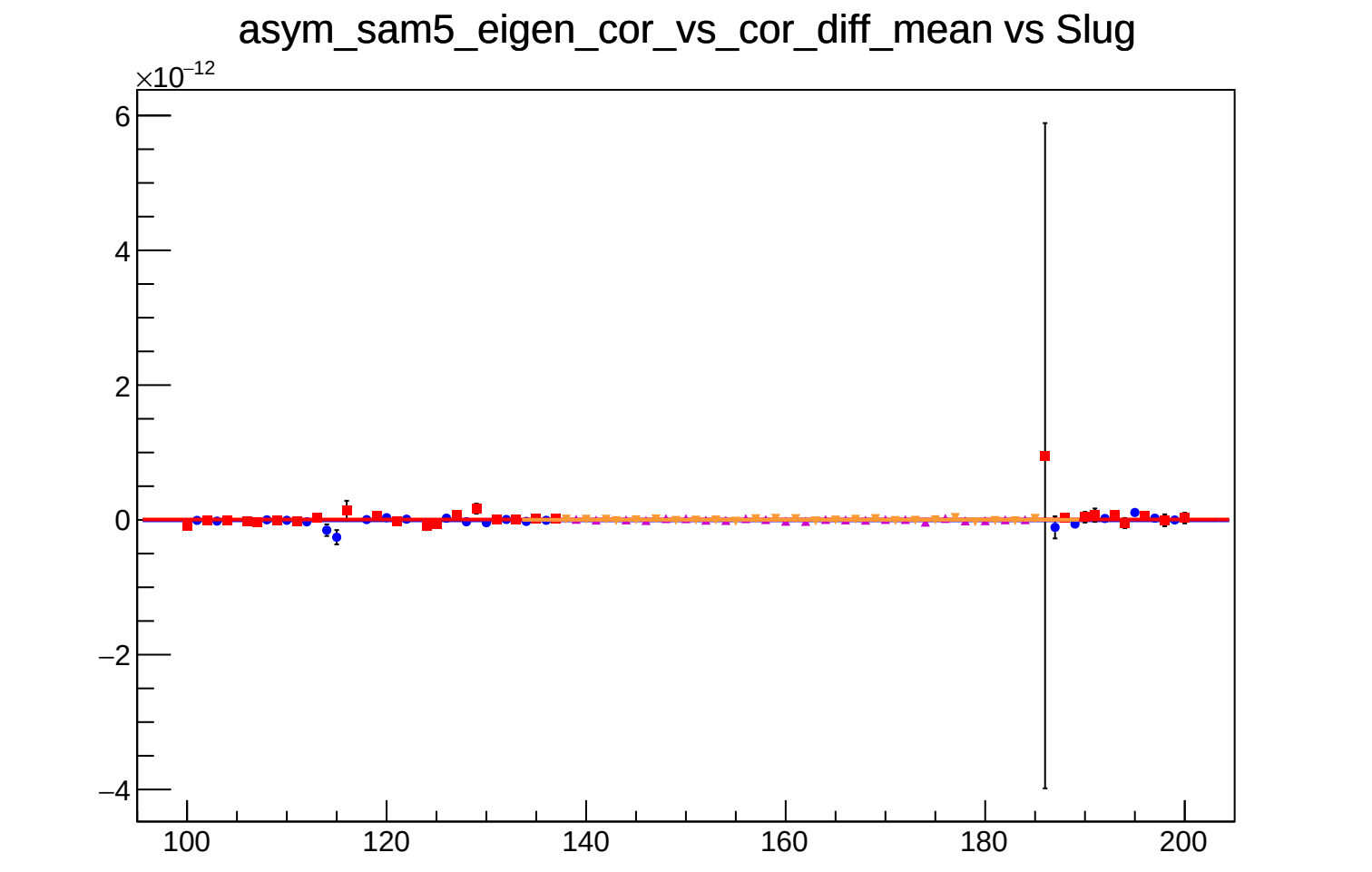
Right Out: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

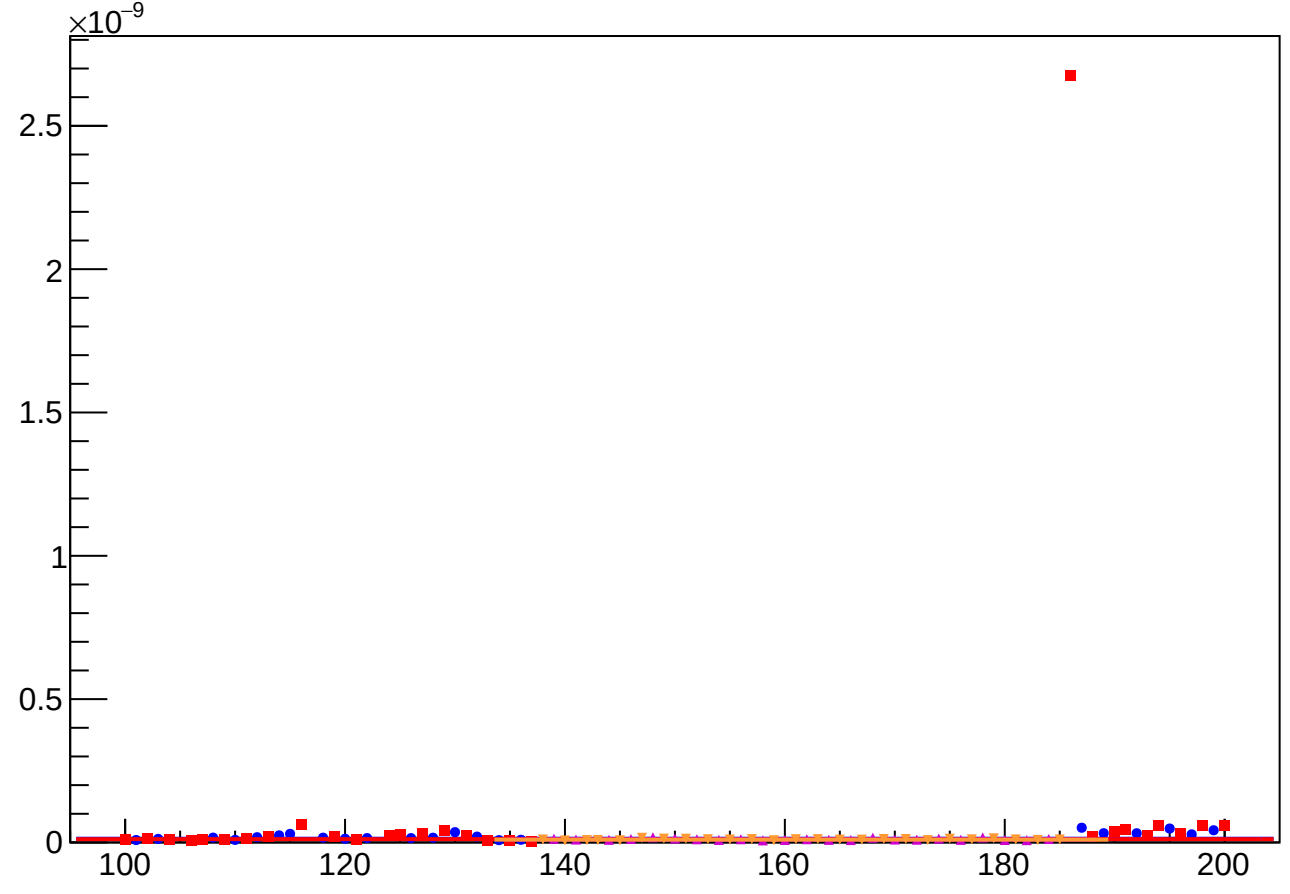
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.188+/-0.006 χ^2/NDF: 13234749.3/46

All: 35.854+/-0.004 χ^2/NDF: 31708498.5/97

- sign 33.880+/-0.005 χ^2/NDF: 18155167.1/50


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.3/21
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.7/27
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.3/46
All: 0.000+/-0.000 χ²/NDF: 102.3/97
- sign 0.000+/-0.000 χ²/NDF: 52.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 3500385.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6822298.8/27

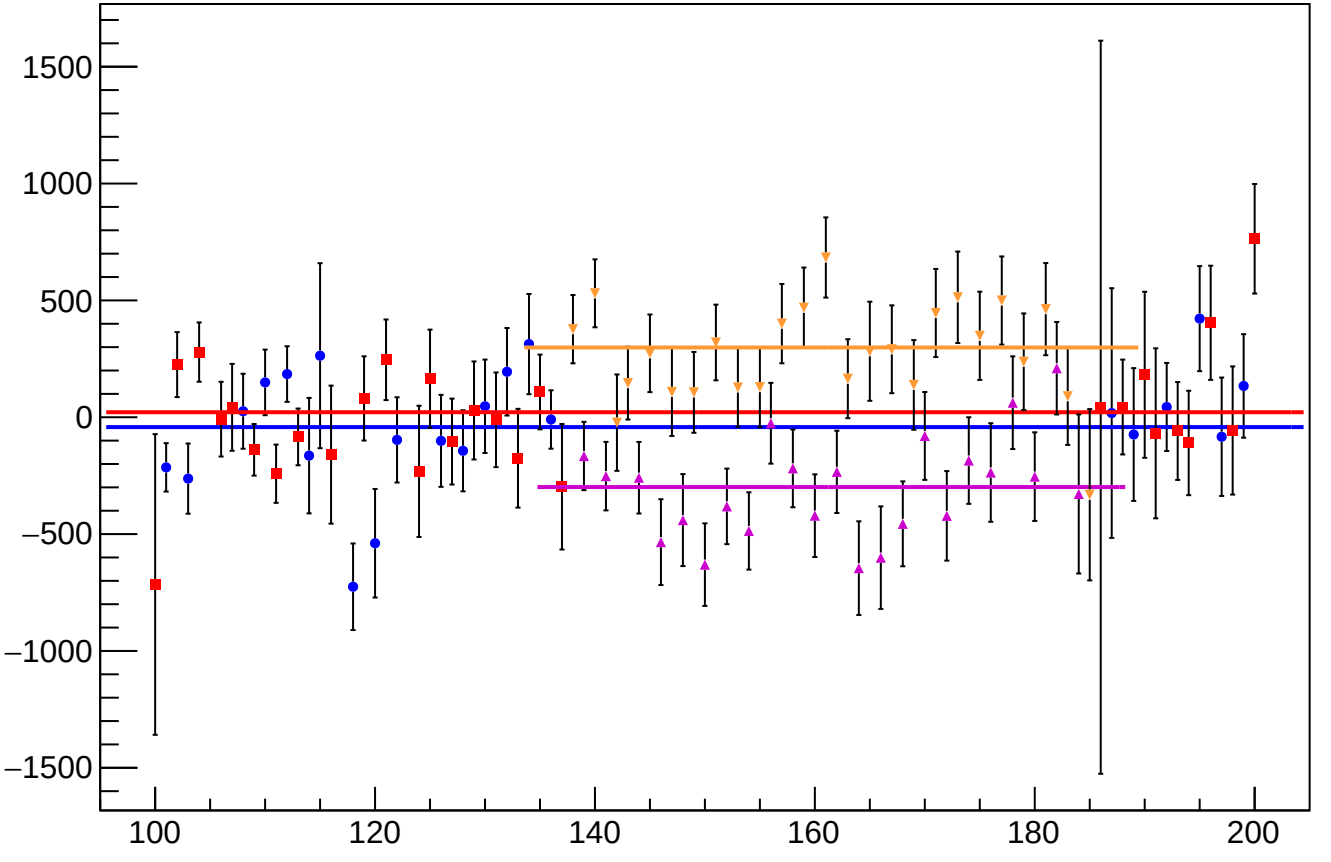
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5196788.3/46

All: 0.000+/-0.000 χ^2/NDF: 13437040.2/97

- sign 0.000+/-0.000 χ^2/NDF: 8239384.0/50

reg_asym_sam6_mean vs Slug



Right In: -42.139+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 21.489+/-35.505 χ^2/NDF: 34.8/27

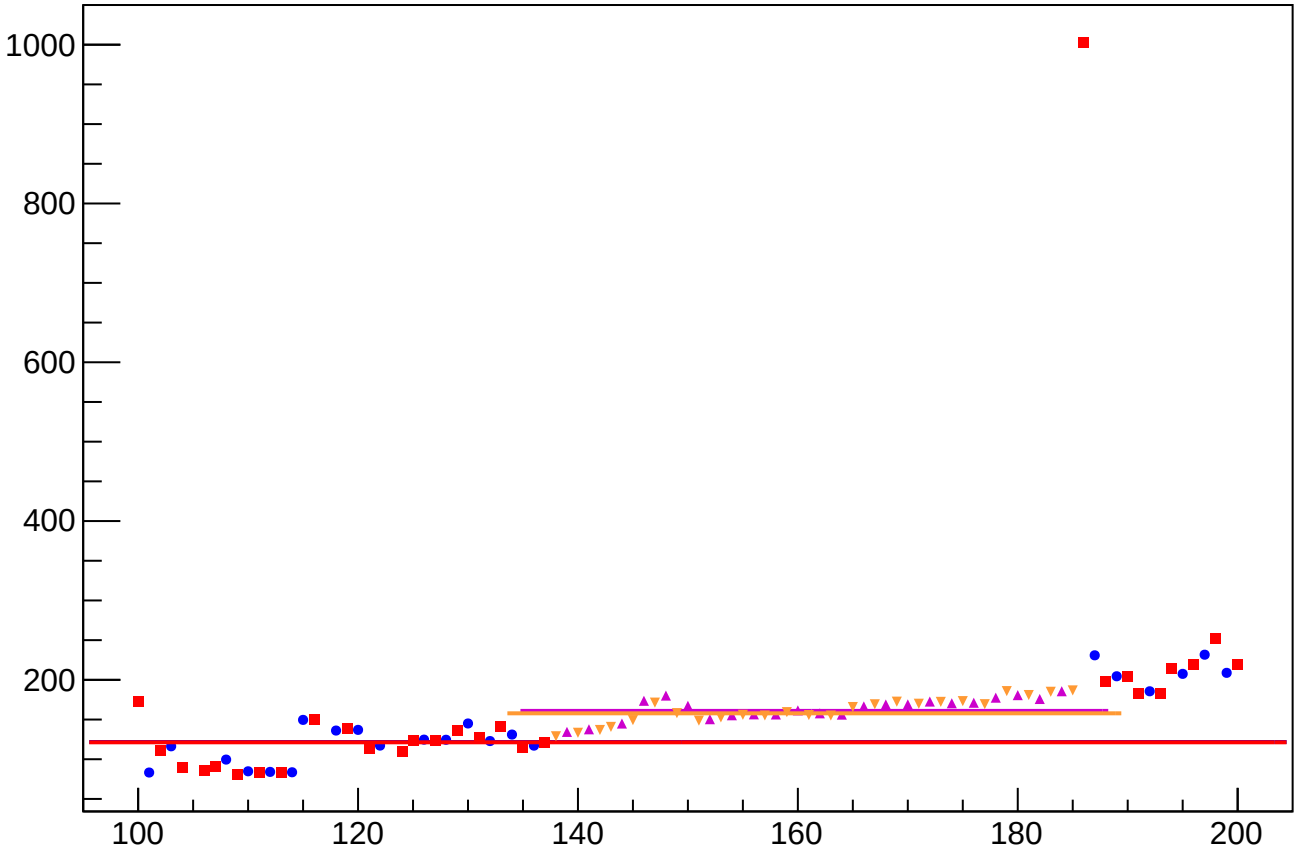
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.662+/-26.118 χ^2/NDF: 108.3/46

All: 2.546+/-18.375 χ^2/NDF: 263.0/97

- sign -128.889+/-25.856 χ^2/NDF: 102.4/50

reg_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230089.3/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 121.337+/-0.025 χ^2/NDF: 3763379.8/27

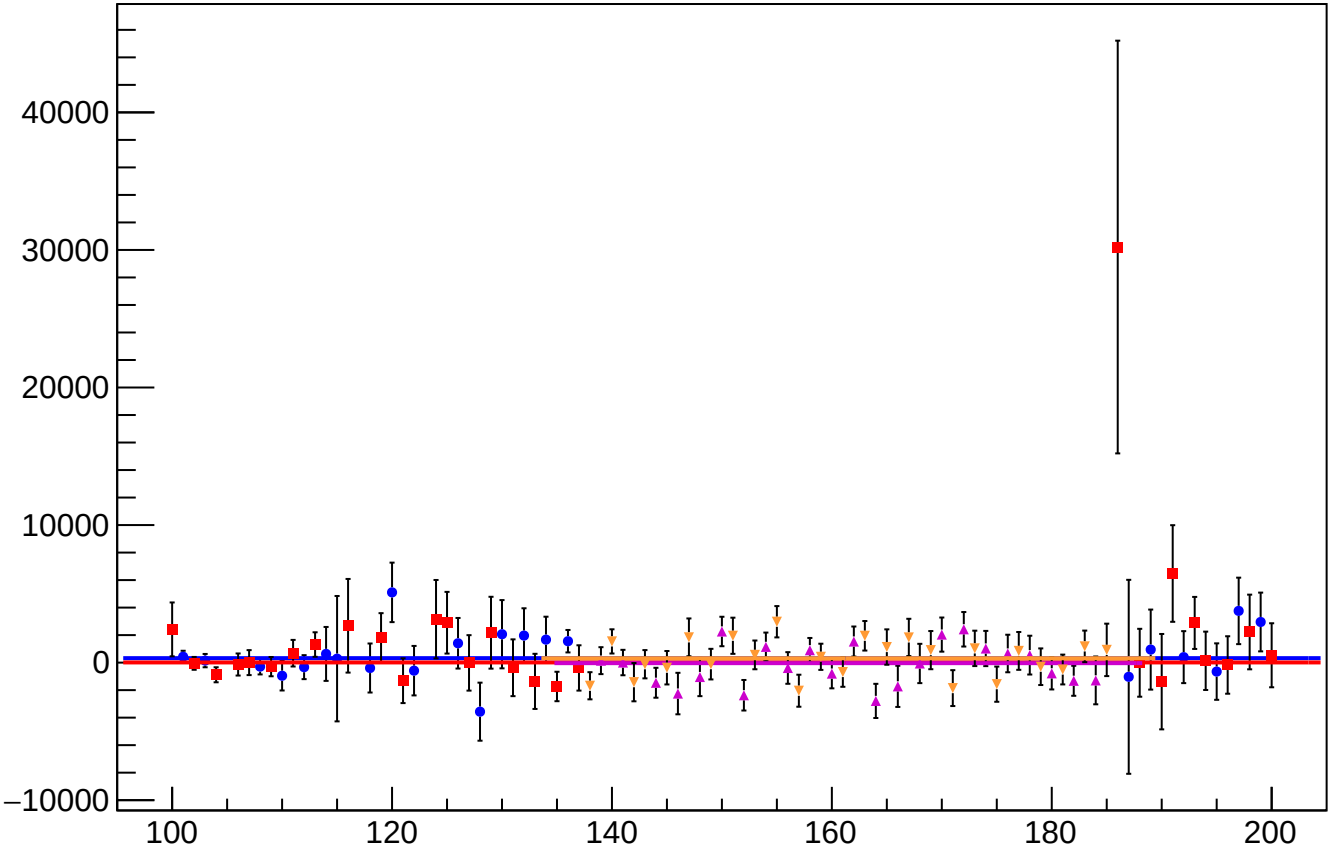
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561407.0/46

All: 140.286+/-0.013 χ^2/NDF: 8758817.2/97

- sign 139.907+/-0.018 χ^2/NDF: 5196542.8/50

asym_sam6_reg_correction_mean vs Slug



Right In: 324.690+/-224.498 χ^2/NDF: 20.4/21

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 12.727+/-223.950 χ^2/NDF: 26.8/27

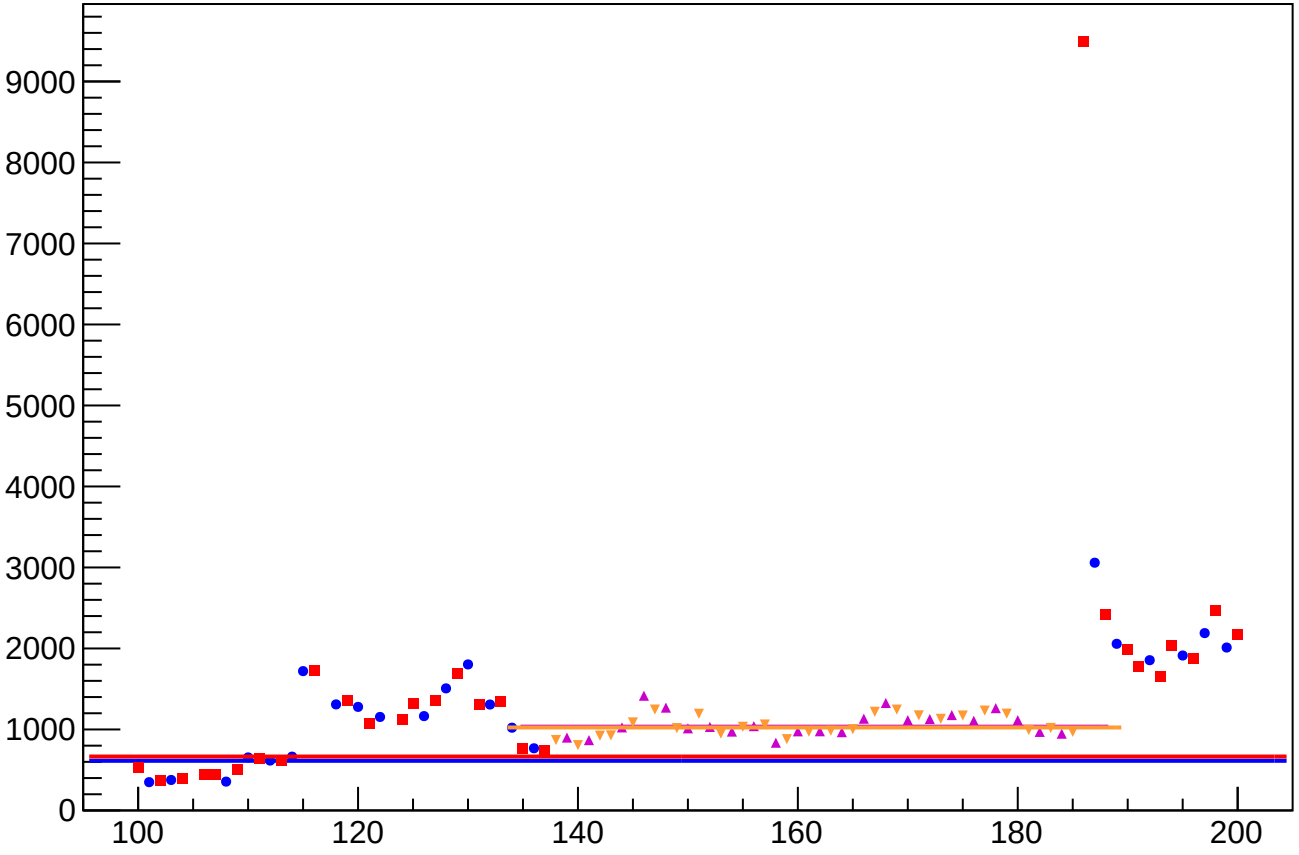
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 322.428+/-162.358 χ^2/NDF: 52.9/46

All: 158.445+/-115.740 χ^2/NDF: 116.6/97

- sign -10.998+/-165.039 χ^2/NDF: 61.6/50

asym_sam6_reg_correction_rms vs Slug



Right In: 612.998+/-0.159 χ^2/NDF: 7966793.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 665.688+/-0.158 χ^2/NDF: 9467125.4/27

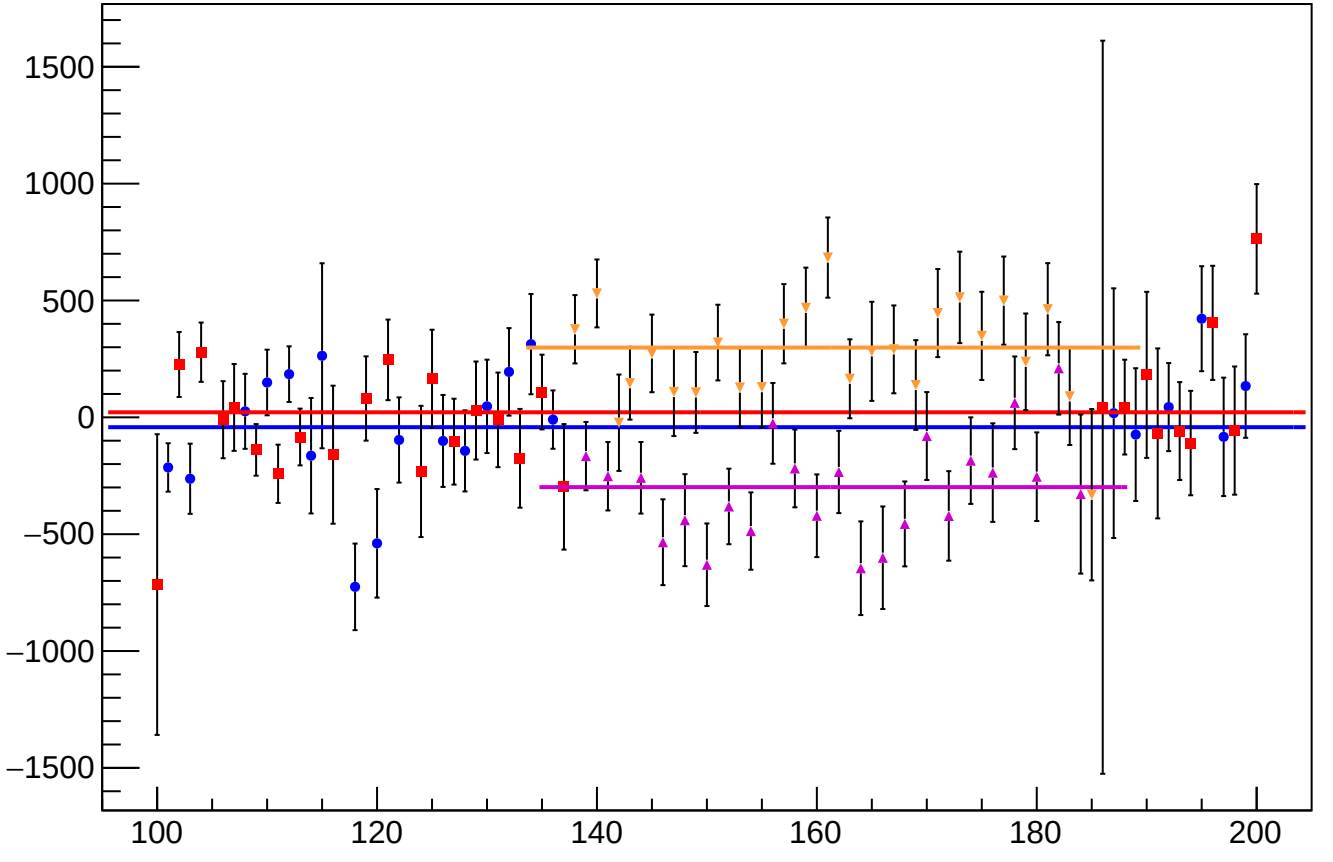
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 809.272+/-0.115 χ^2/NDF: 11769462.2/46

All: 821.518+/-0.082 χ^2/NDF: 24365633.2/97

- sign 834.171+/-0.117 χ^2/NDF: 12573038.2/50

cor_asym_sam6_mean vs Slug



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 21.520+/-35.559 χ^2/NDF: 34.8/27

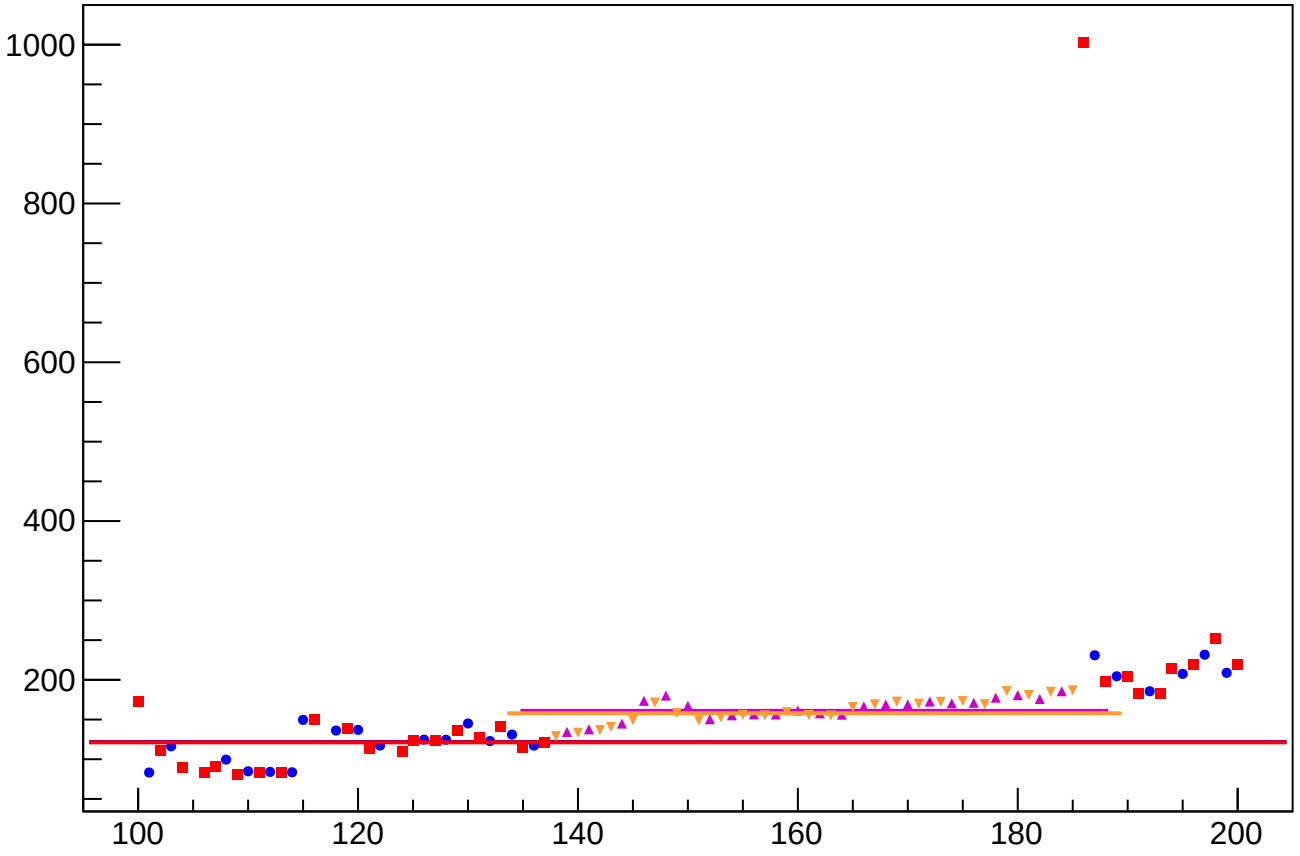
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.652+/-26.118 χ^2/NDF: 108.3/46

All: 2.532+/-18.382 χ^2/NDF: 263.0/97

- sign -129.116+/-25.876 χ^2/NDF: 102.4/50

cor_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

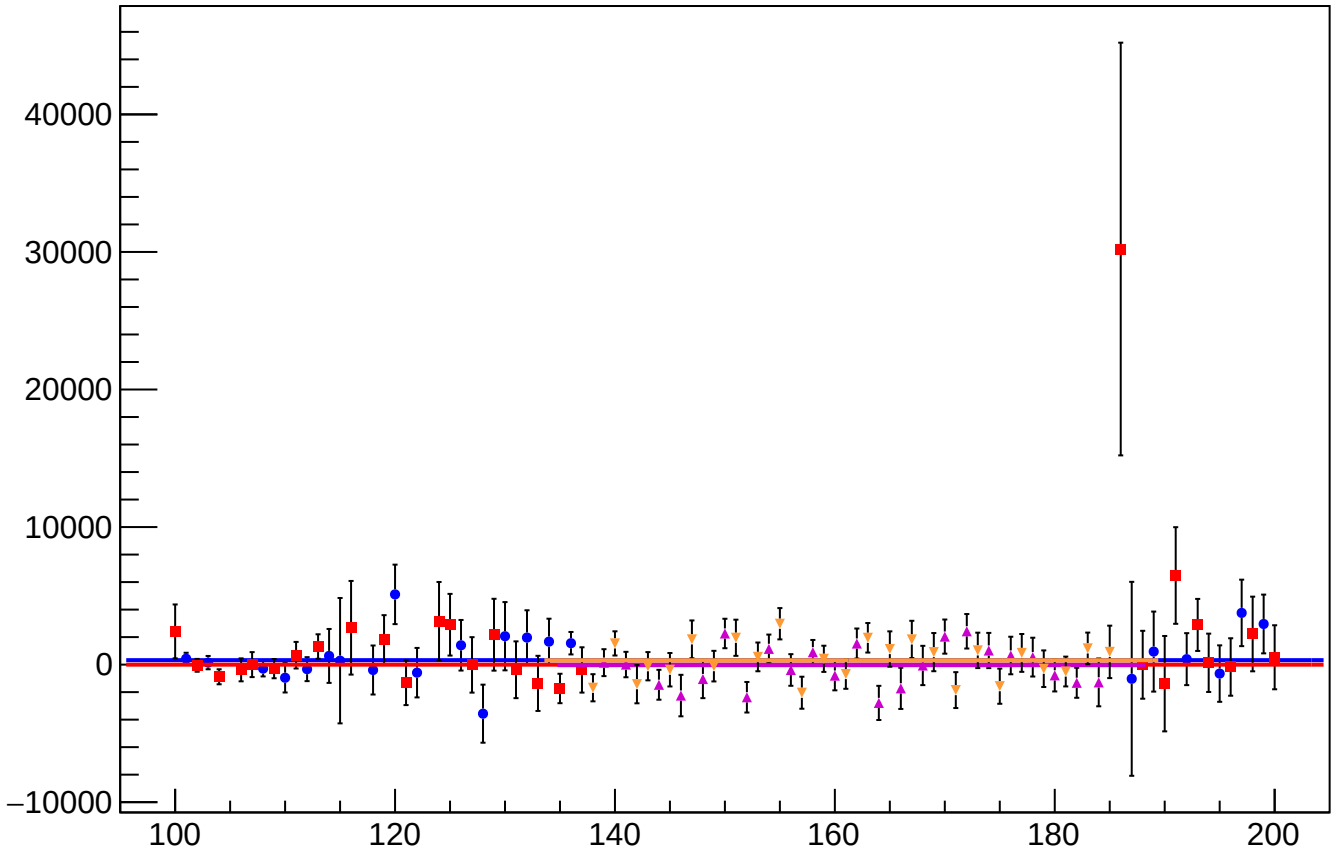
Right Out: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561403.1/46

All: 140.291+/-0.013 χ^2/NDF: 8770664.1/97

- sign 139.916+/-0.018 χ^2/NDF: 5208413.4/50



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -3.319+/-224.513 χ^2/NDF: 27.0/27

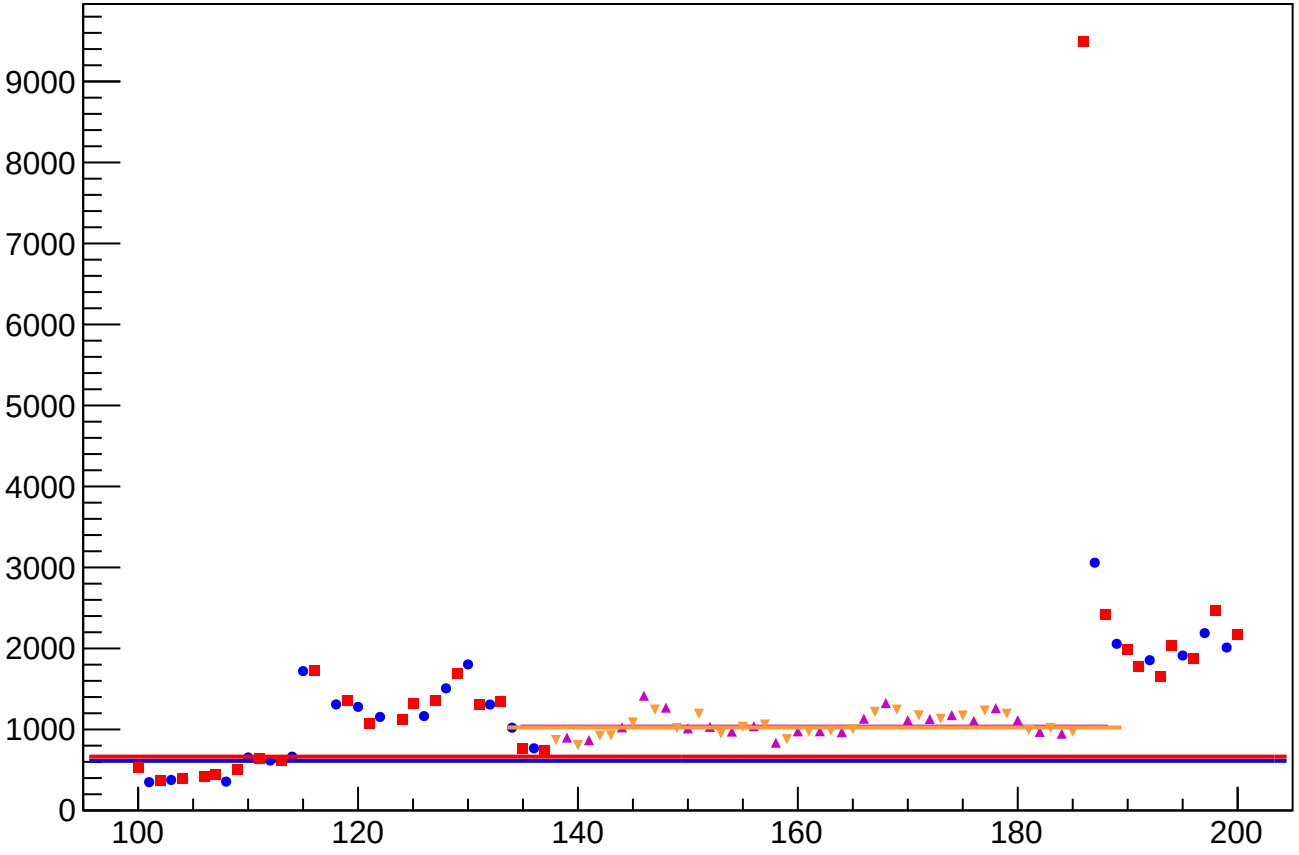
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 322.499+/-162.355 χ^2/NDF: 52.9/46

All: 154.409+/-115.817 χ^2/NDF: 116.9/97

- sign -19.757+/-165.263 χ^2/NDF: 61.8/50

asym_sam6_cor_correction_rms vs Slug



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

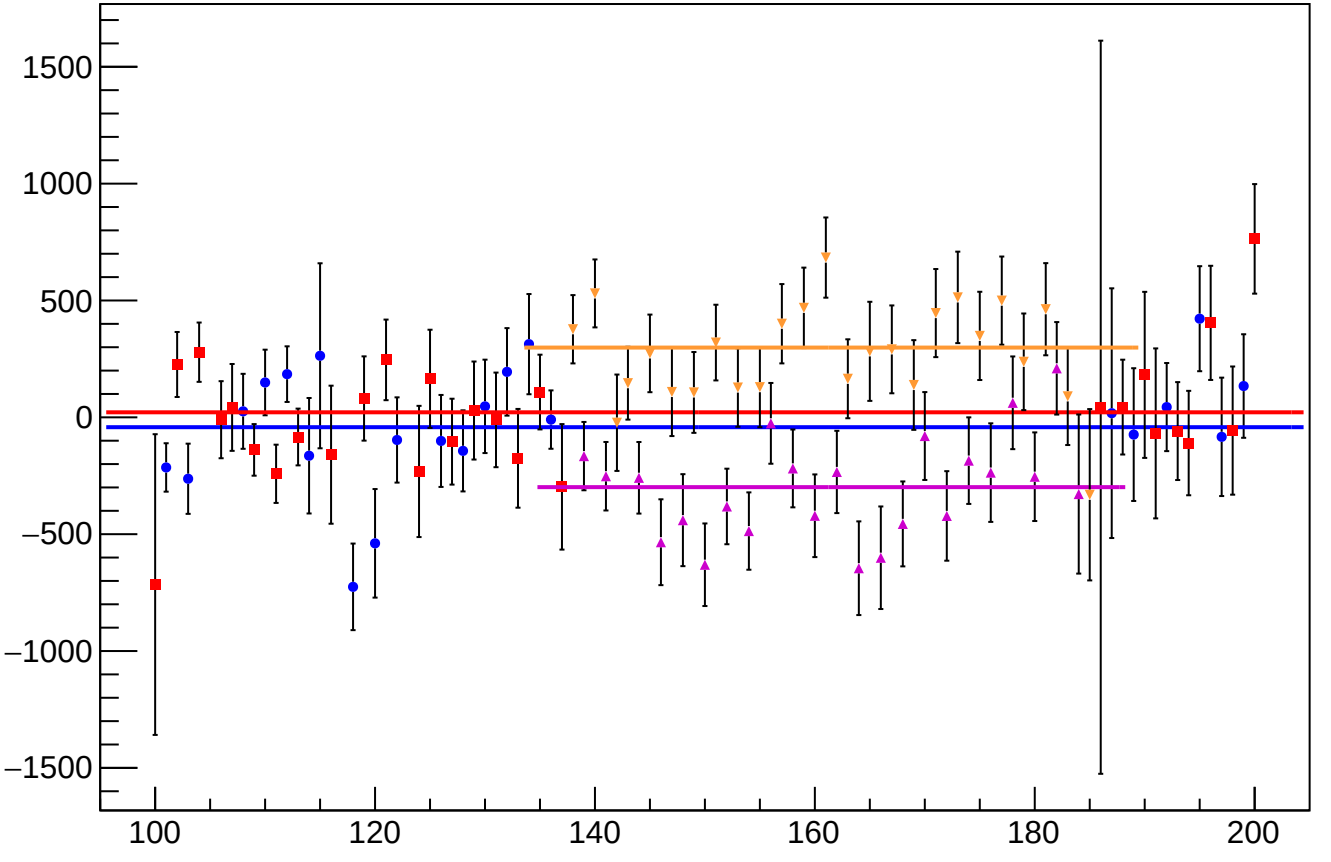
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 809.253+/-0.115 χ^2/NDF: 11770283.4/46

All: 821.464+/-0.082 χ^2/NDF: 24403037.9/97

- sign 834.116+/-0.117 χ^2/NDF: 12609719.3/50

eigen_cor_asym_sam6_mean vs Slug



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 21.520+/-35.559 χ^2/NDF: 34.8/27

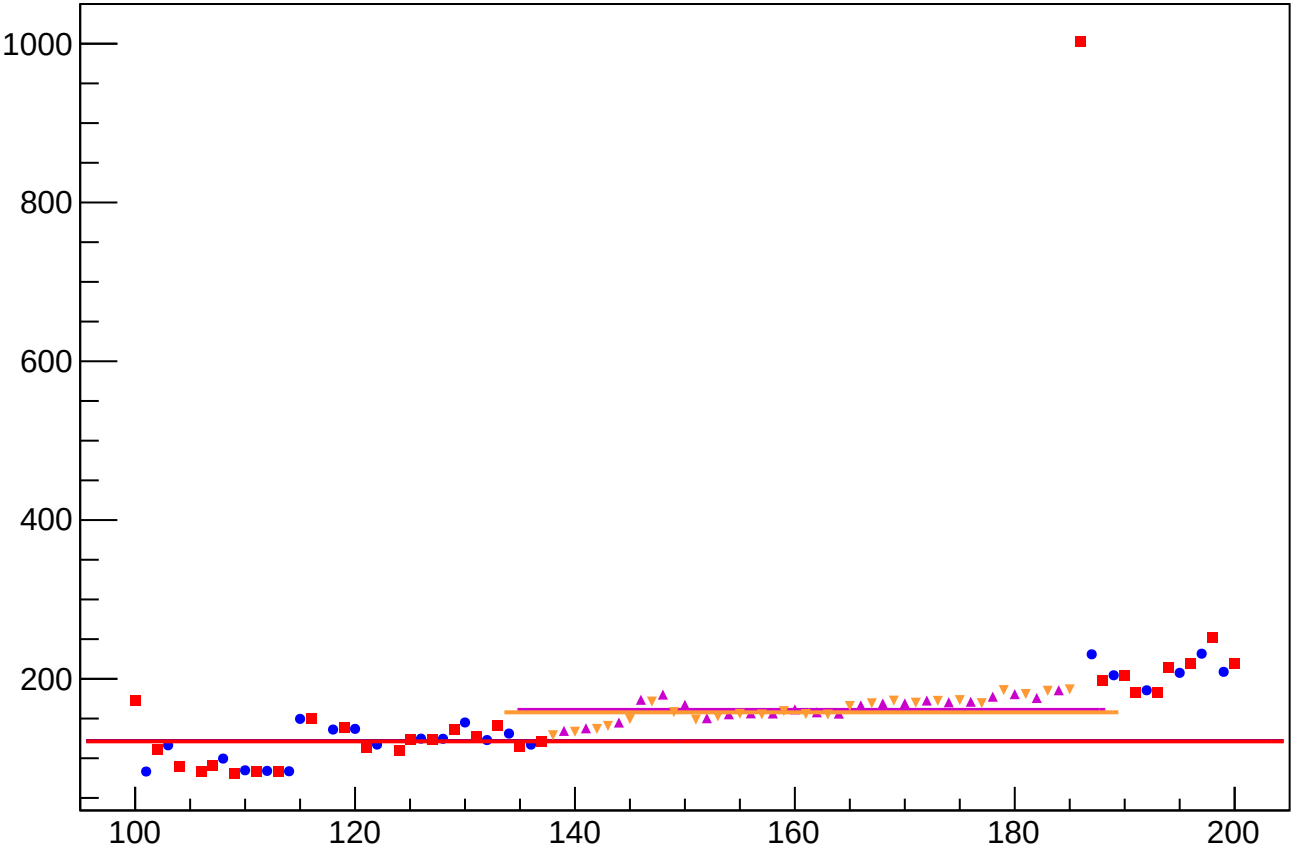
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.652+/-26.118 χ^2/NDF: 108.3/46

All: 2.532+/-18.382 χ^2/NDF: 263.0/97

- sign -129.116+/-25.876 χ^2/NDF: 102.4/50

eigen_cor_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

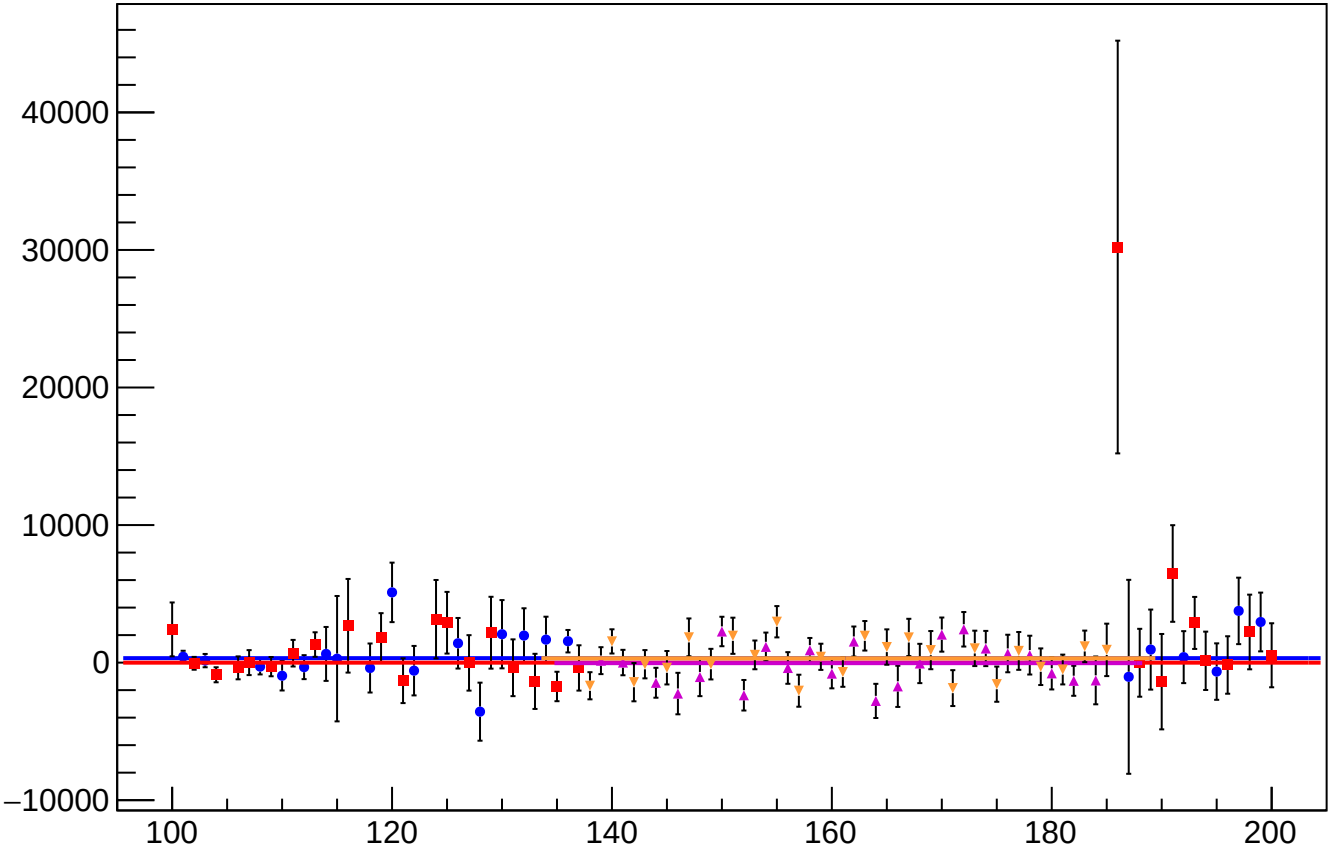
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561403.1/46

All: 140.291+/-0.013 χ^2/NDF: 8770664.1/97

- sign 139.916+/-0.018 χ^2/NDF: 5208413.4/50

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -3.319+/-224.513 χ^2/NDF: 27.0/27

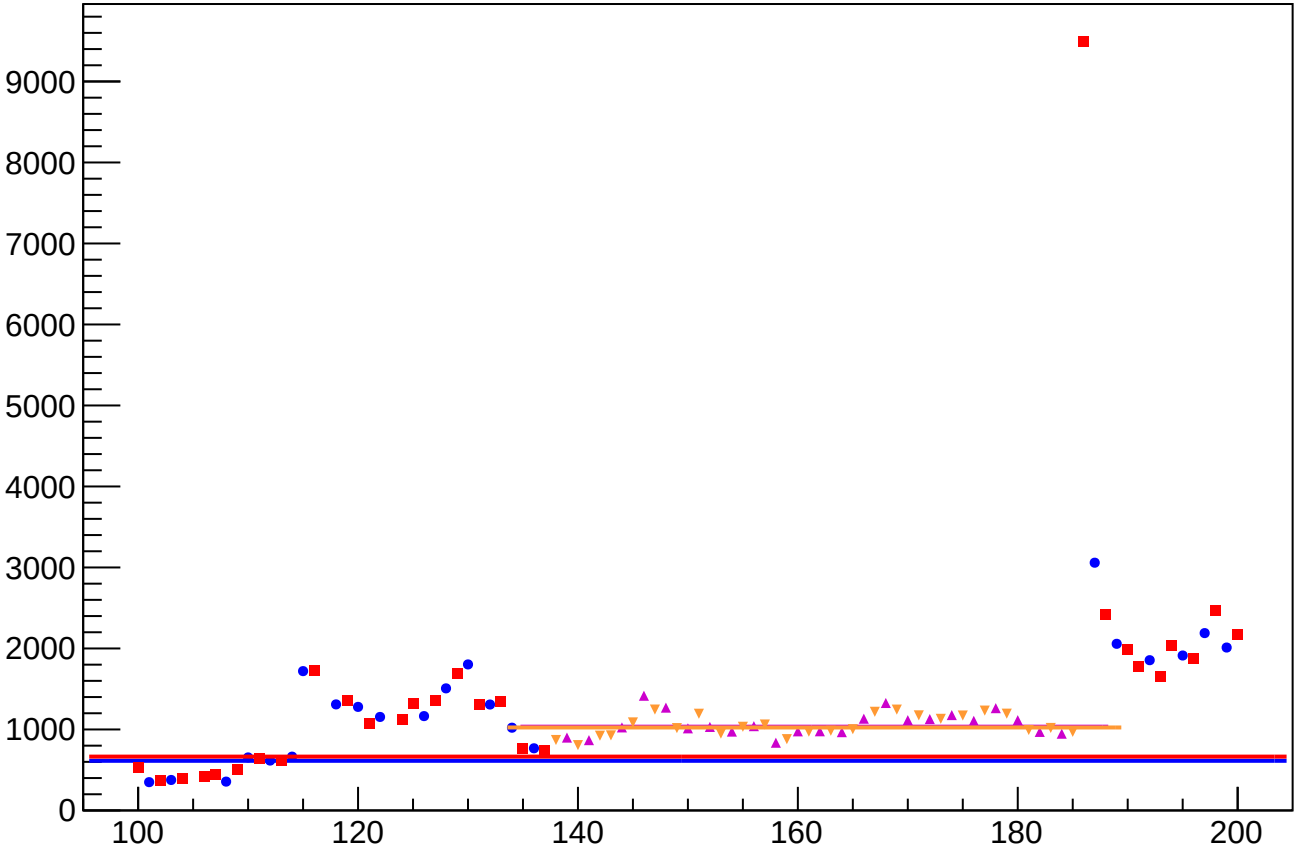
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 322.499+/-162.355 χ^2/NDF: 52.9/46

All: 154.409+/-115.817 χ^2/NDF: 116.9/97

- sign -19.757+/-165.263 χ^2/NDF: 61.8/50

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

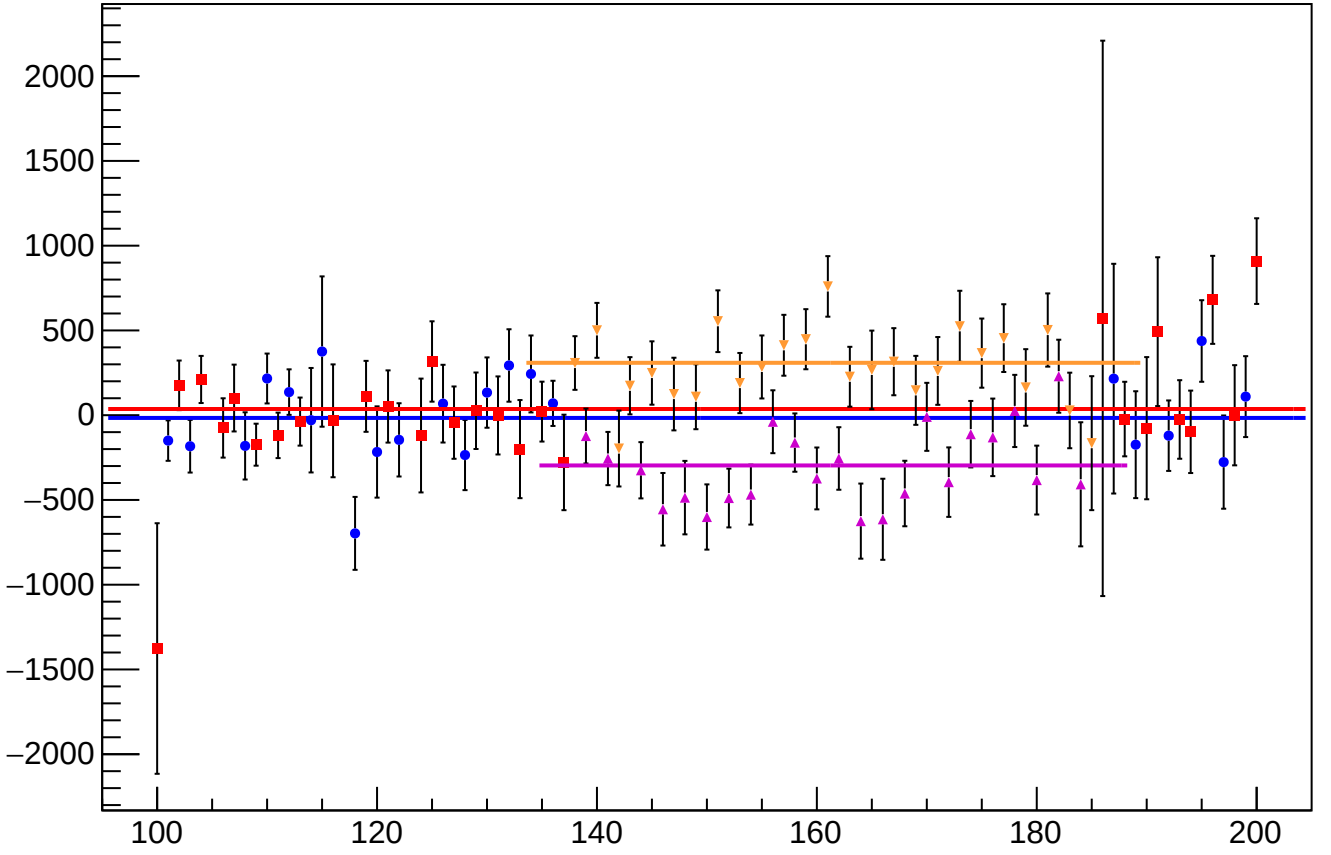
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 809.253+/-0.115 χ^2/NDF: 11770283.4/46

All: 821.464+/-0.082 χ^2/NDF: 24403037.9/97

- sign 834.116+/-0.117 χ^2/NDF: 12609719.3/50

dit_asym_sam6_mean vs Slug



Right In: -16.156+/-42.337 χ^2/NDF: 29.6/21

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 36.477+/-39.641 χ^2/NDF: 34.9/27

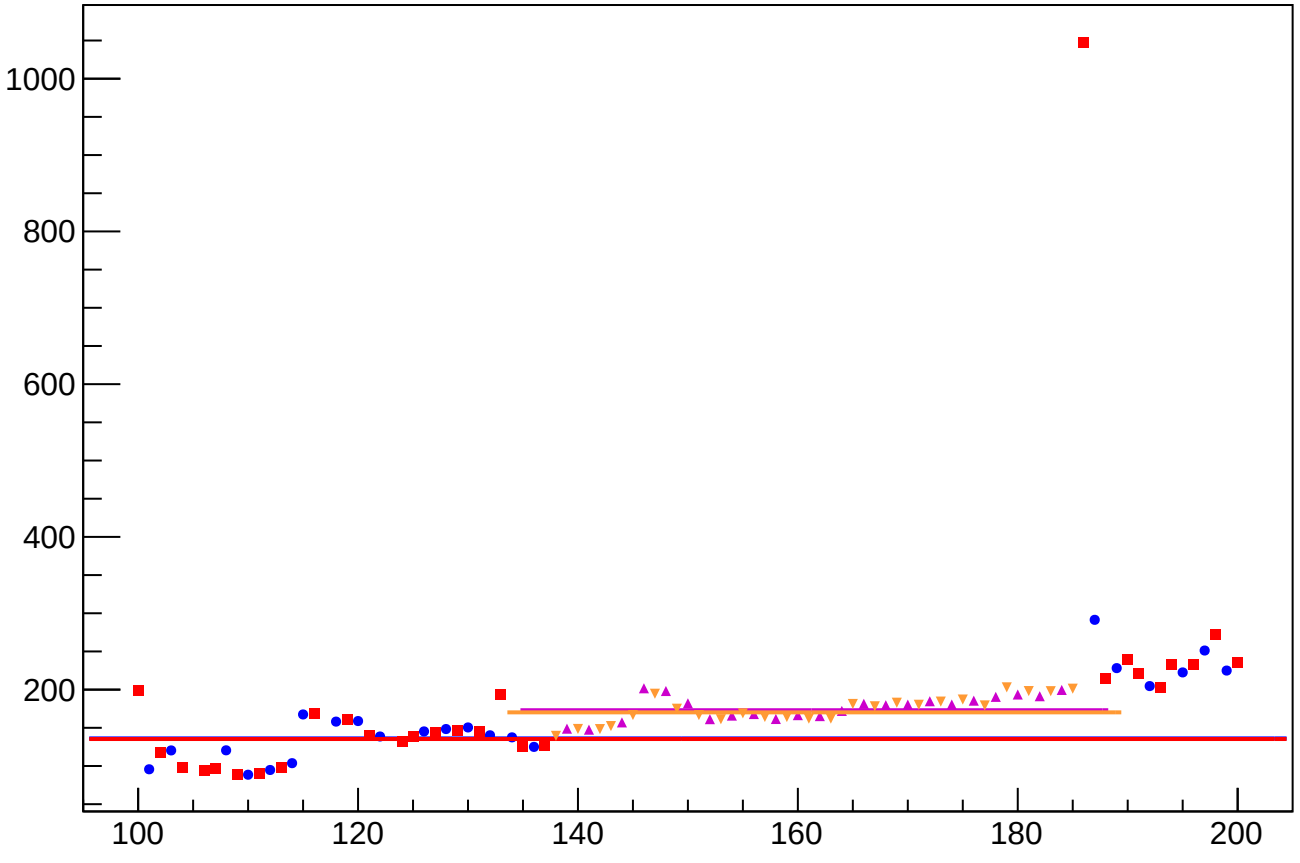
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.167+/-28.645 χ^2/NDF: 87.1/46

All: 15.681+/-20.156 χ^2/NDF: 234.6/97

- sign -126.005+/-28.366 χ^2/NDF: 97.1/50

dit_asym_sam6_rms vs Slug



Right In: 136.108+/-0.030 χ^2/NDF: 2141396.5/21

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 135.323+/-0.028 χ^2/NDF: 3788753.0/27

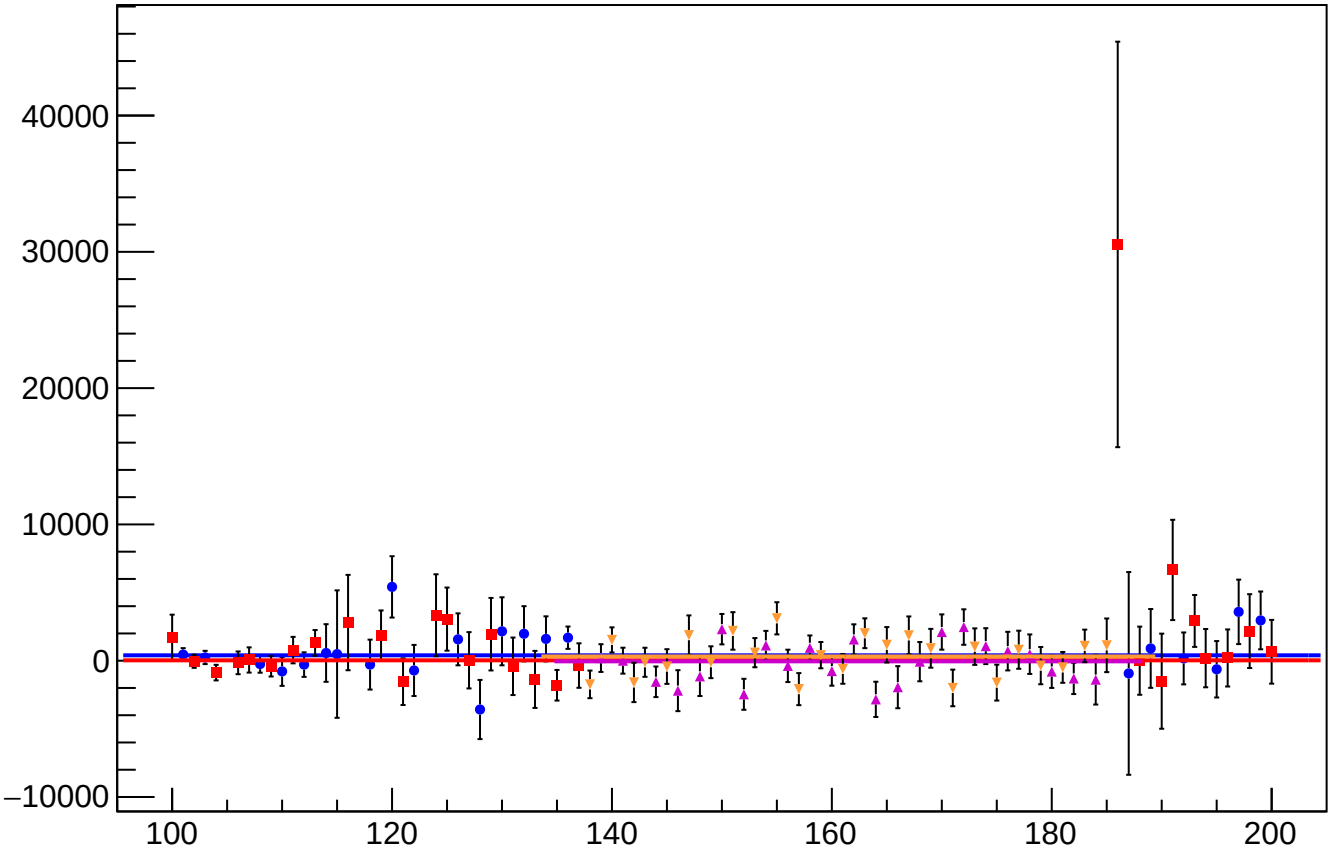
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 154.615+/-0.020 χ^2/NDF: 3212560.0/46

All: 154.163+/-0.014 χ^2/NDF: 8178714.5/97

- sign 153.720+/-0.020 χ^2/NDF: 4965168.3/50

asym_sam6_dit_correction_mean vs Slug



Right In: 395.450+/-234.471 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 27.341+/-231.535 χ^2/NDF: 26.1/27

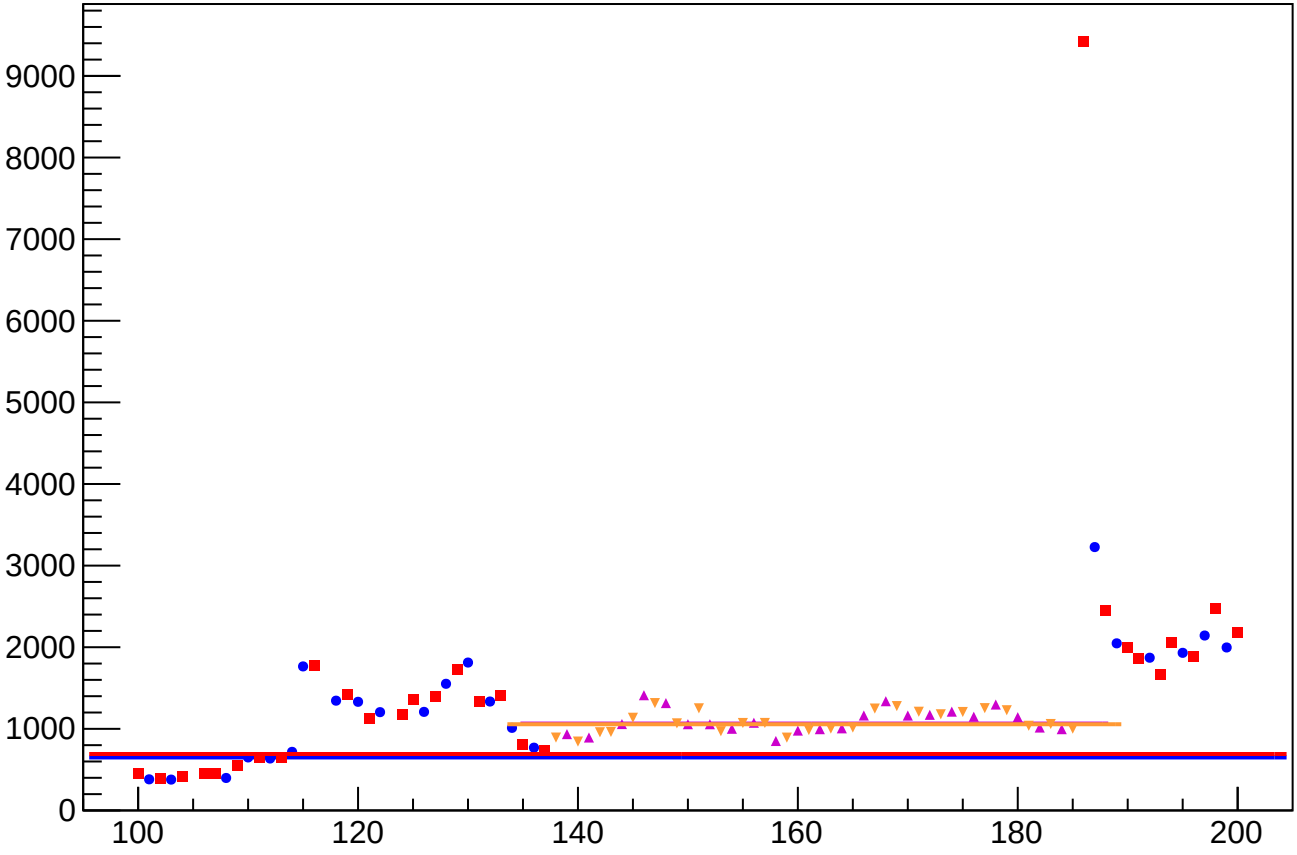
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 355.906+/-168.530 χ^2/NDF: 52.8/46

All: 176.358+/-119.777 χ^2/NDF: 115.7/97

- sign -6.905+/-170.264 χ^2/NDF: 60.6/50

asym_sam6_dit_correction_rms vs Slug



Right In: 649.260+/-0.166 χ^2/NDF: 7571579.8/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 691.768+/-0.164 χ^2/NDF: 9325213.9/27

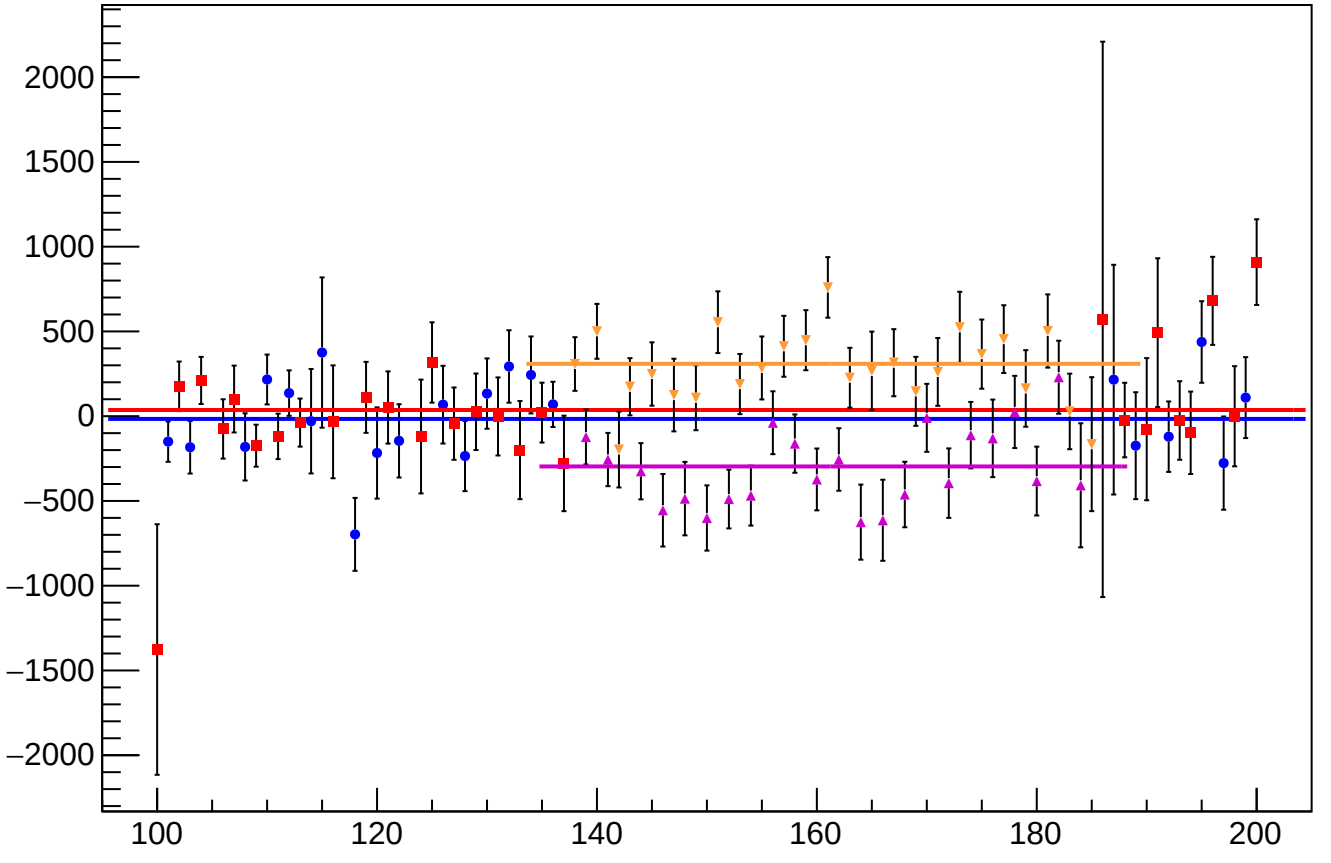
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 846.026+/-0.119 χ^2/NDF: 11096149.5/46

All: 854.438+/-0.085 χ^2/NDF: 23425164.1/97

- sign 863.025+/-0.120 χ^2/NDF: 12318944.4/50

eigen_dit_asym_sam6_mean vs Slug



Right In: -16.158+/-42.336 χ^2/NDF: 29.6/21

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

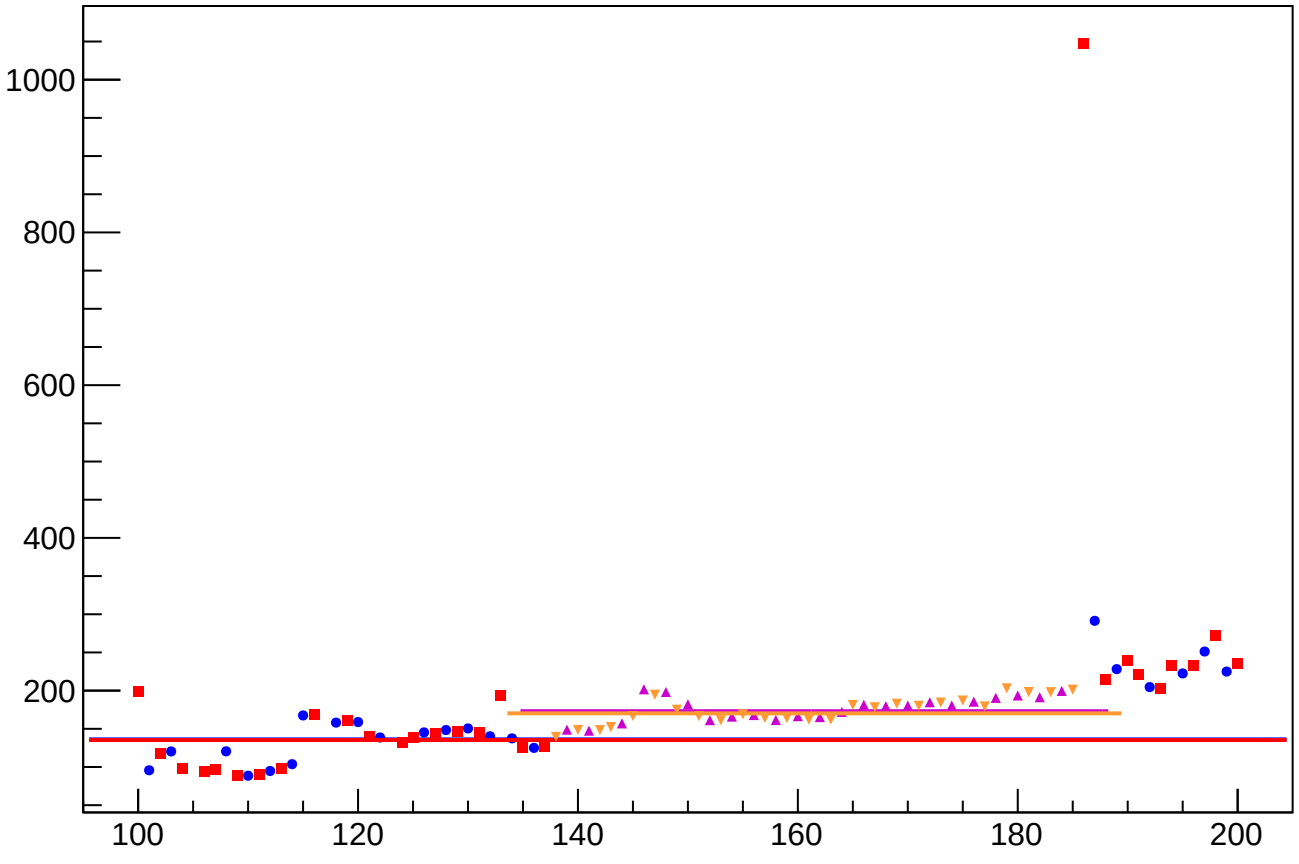
Right Out: 36.476+/-39.641 χ^2/NDF: 34.9/27

Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.166+/-28.645 χ^2/NDF: 87.1/46

All: 15.681+/-20.155 χ^2/NDF: 234.6/97

- sign -126.005+/-28.366 χ^2/NDF: 97.1/50



Right In: 136.108+/-0.030 χ^2/NDF: 2141409.2/21

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 135.323+/-0.028 χ^2/NDF: 3788755.4/27

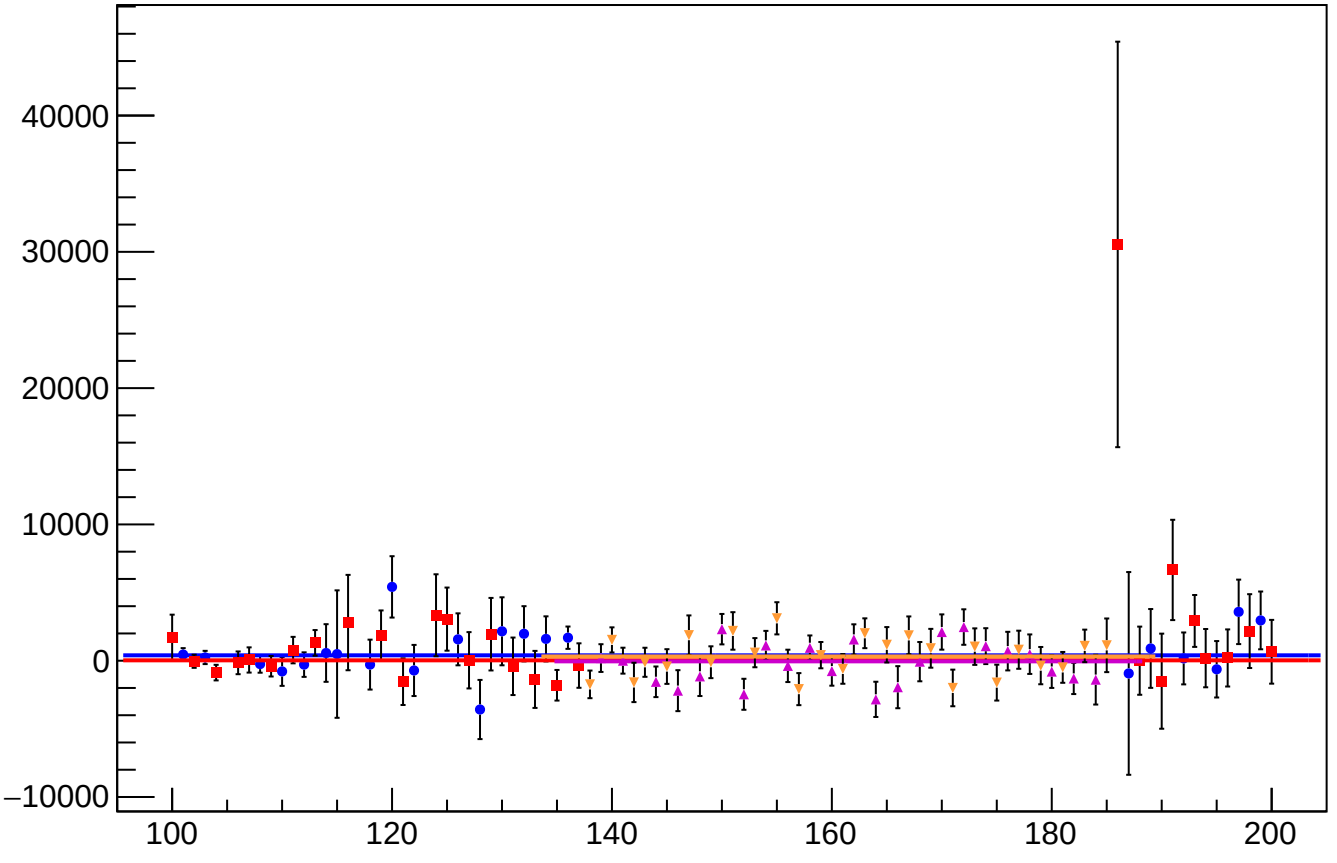
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 154.615+/-0.020 χ^2/NDF: 3212578.5/46

All: 154.163+/-0.014 χ^2/NDF: 8178740.8/97

- sign 153.720+/-0.020 χ^2/NDF: 4965176.0/50

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 395.450+/-234.470 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 27.340+/-231.535 χ^2/NDF: 26.1/27

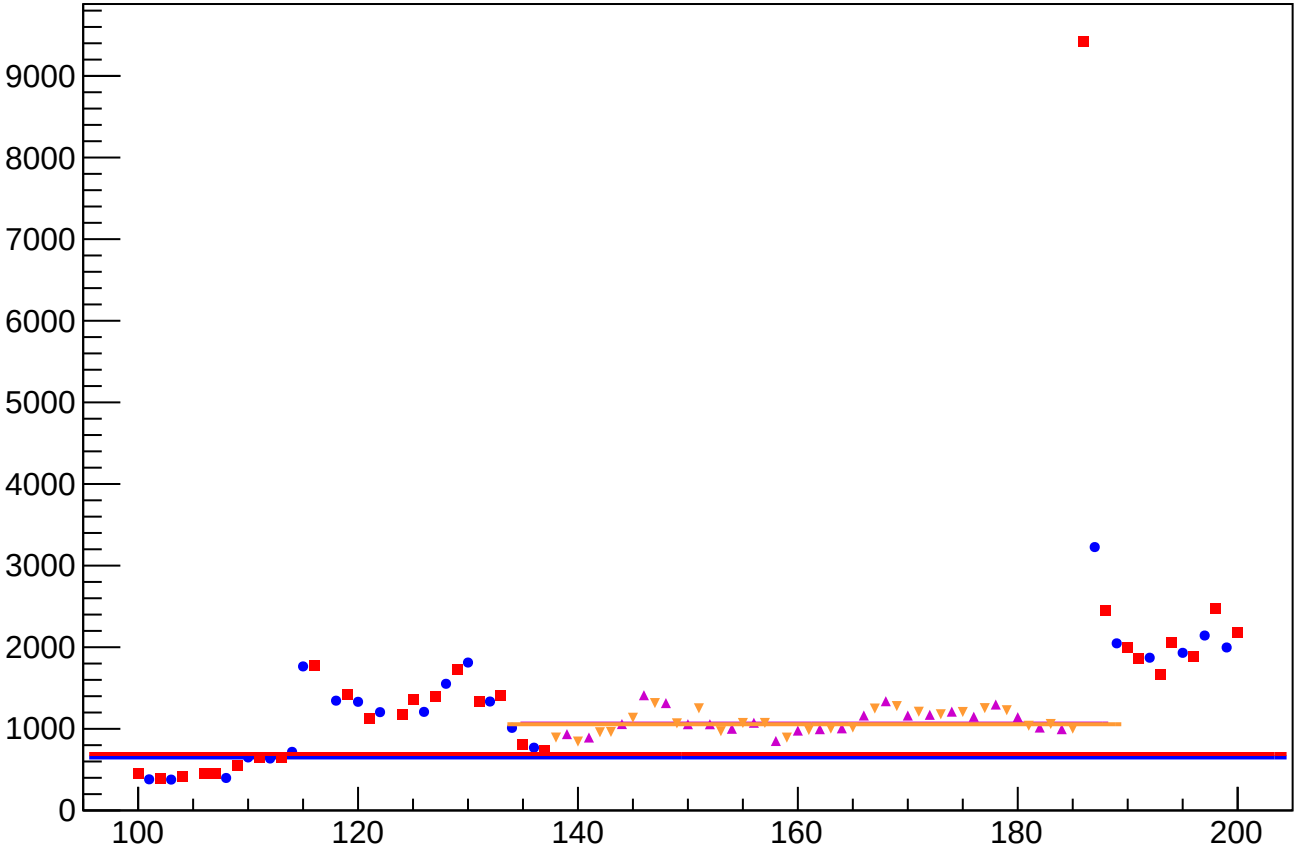
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 355.906+/-168.530 χ^2/NDF: 52.8/46

All: 176.357+/-119.777 χ^2/NDF: 115.7/97

- sign -6.905+/-170.264 χ^2/NDF: 60.6/50

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 649.259+/-0.166 χ^2/NDF: 7571586.9/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 691.767+/-0.164 χ^2/NDF: 9325216.3/27

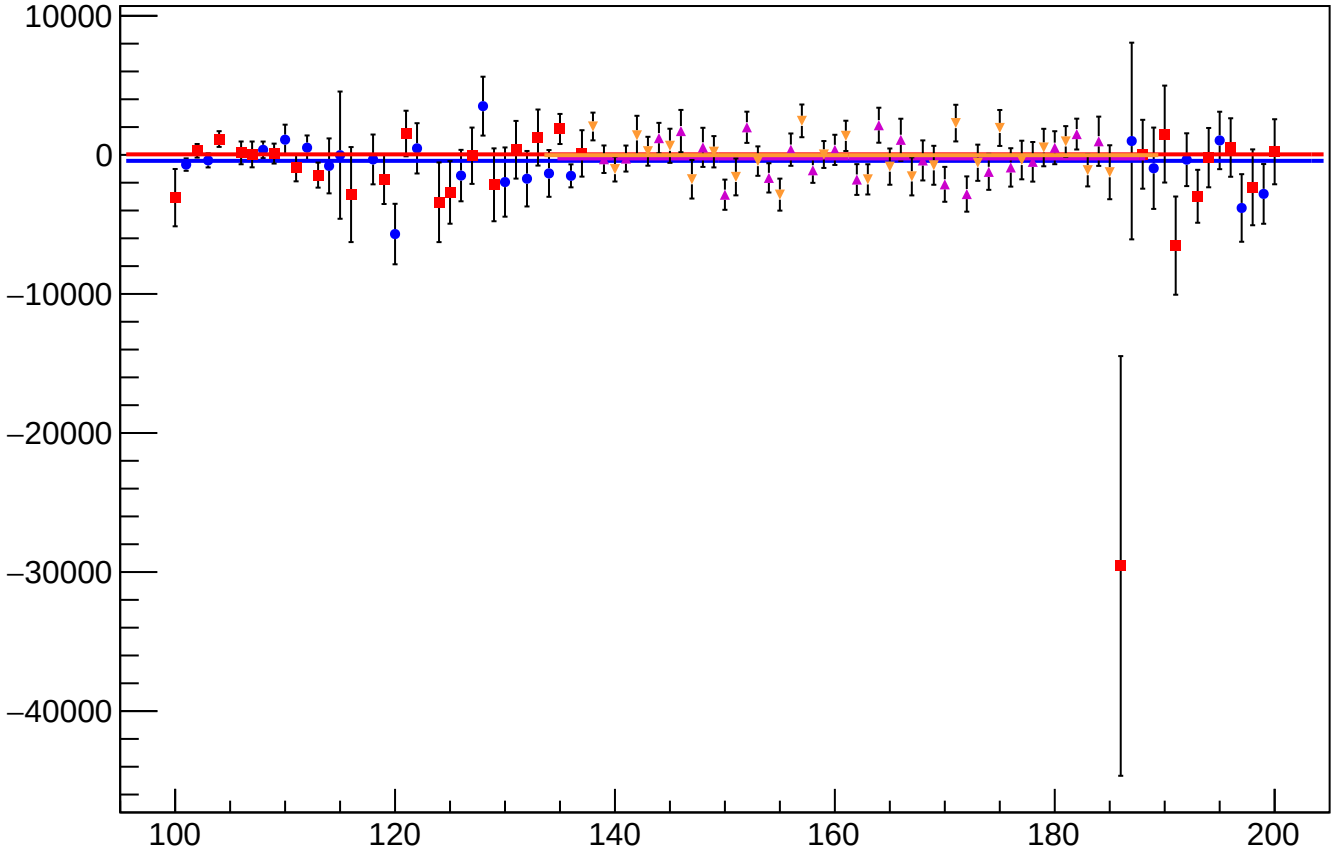
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 846.025+/-0.119 χ^2/NDF: 11096179.2/46

All: 854.438+/-0.085 χ^2/NDF: 23425209.0/97

- sign 863.024+/-0.120 χ^2/NDF: 12318959.4/50

asym_sam6_mean vs Slug



Right In: -429.142+/-230.880 χ^2/NDF: 21.7/21

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 38.194+/-229.492 χ^2/NDF: 30.3/27

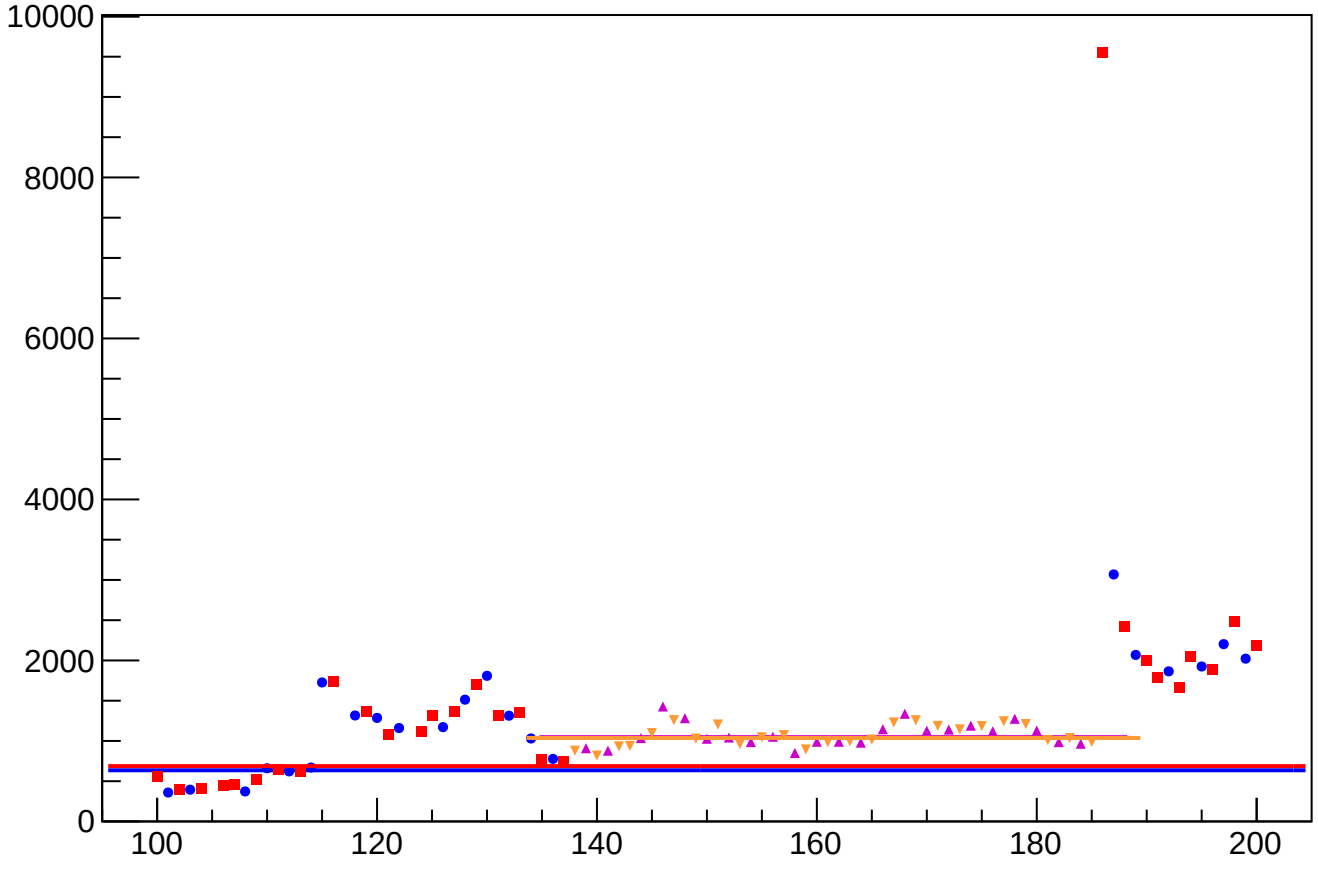
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -231.661+/-165.707 χ^2/NDF: 57.7/46

All: -165.681+/-118.040 χ^2/NDF: 122.7/97

- sign -97.710+/-168.188 χ^2/NDF: 64.7/50

asym_sam6_rms vs Slug



Right In: 635.706+/-0.163 χ^2/NDF: 7711181.1/21

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 687.327+/-0.162 χ^2/NDF: 9210905.9/27

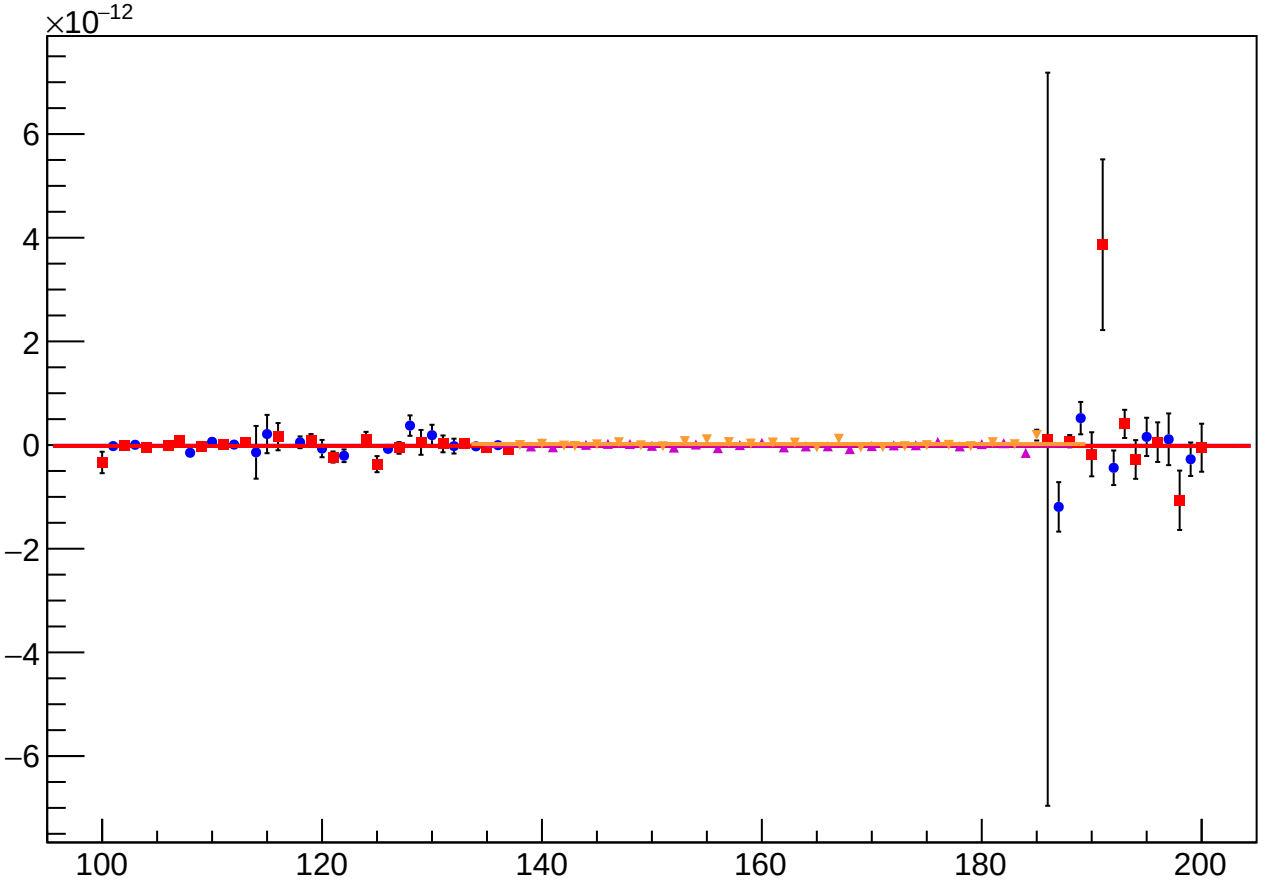
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 830.442+/-0.117 χ^2/NDF: 11231071.7/46

All: 842.100+/-0.083 χ^2/NDF: 23357415.6/97

- sign 854.111+/-0.119 χ^2/NDF: 12106244.9/50

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

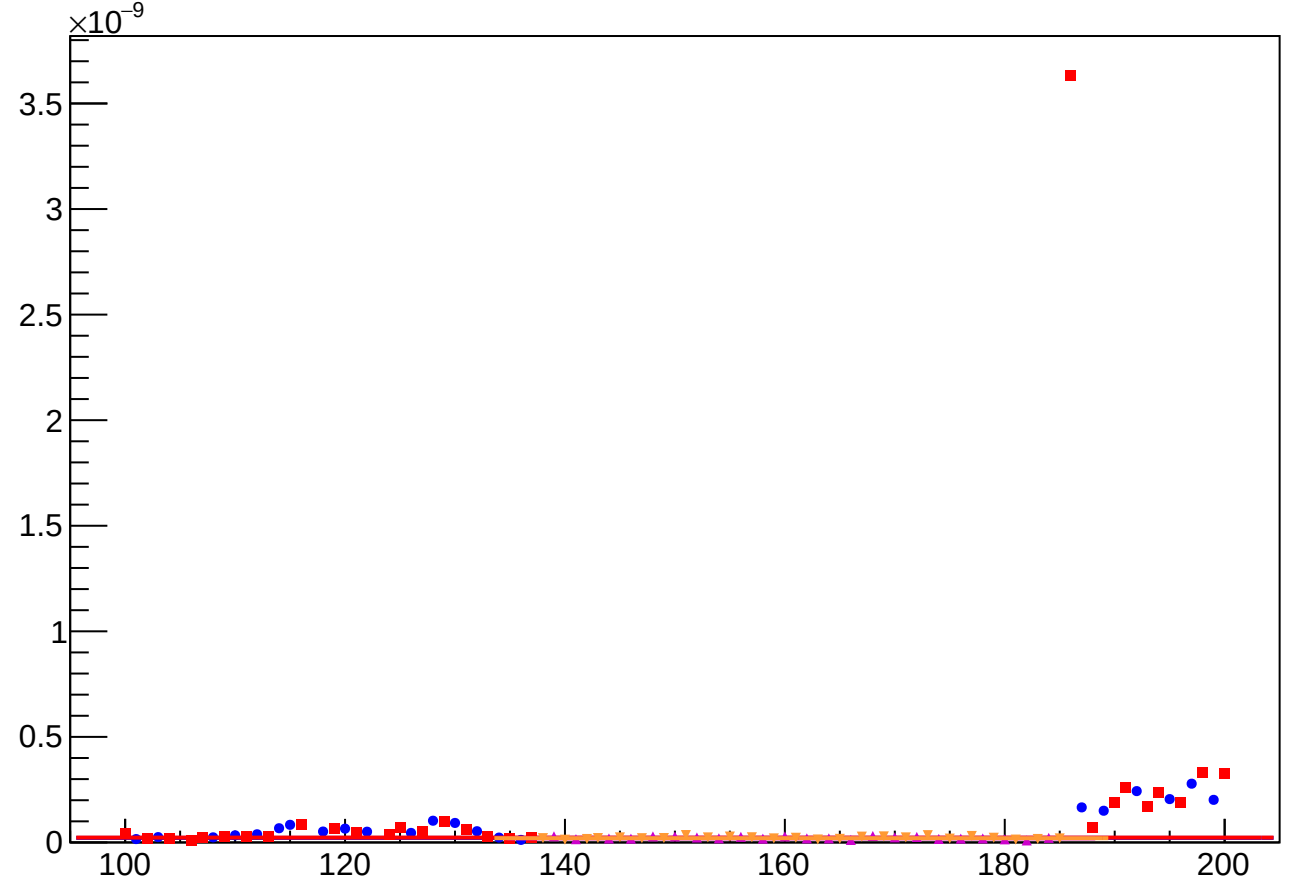
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/27

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/46

All: 0.000+/-0.000 χ^2/NDF: 118.5/97

- sign -0.000+/-0.000 χ^2/NDF: 51.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5079789.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6156154.9/27

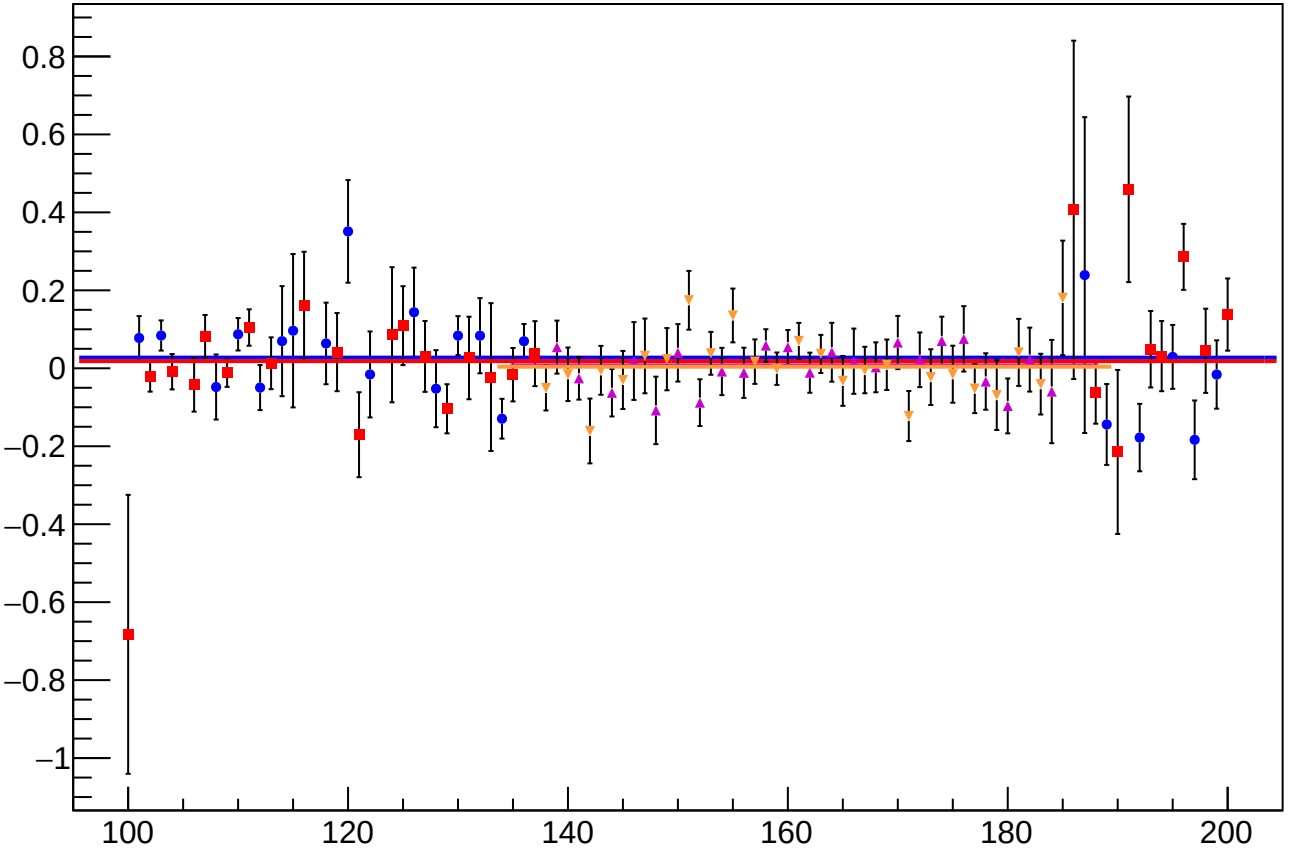
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6091399.4/46

All: 0.000+/-0.000 χ^2/NDF: 13416192.9/97

- sign 0.000+/-0.000 χ^2/NDF: 7320768.2/50

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.0/27

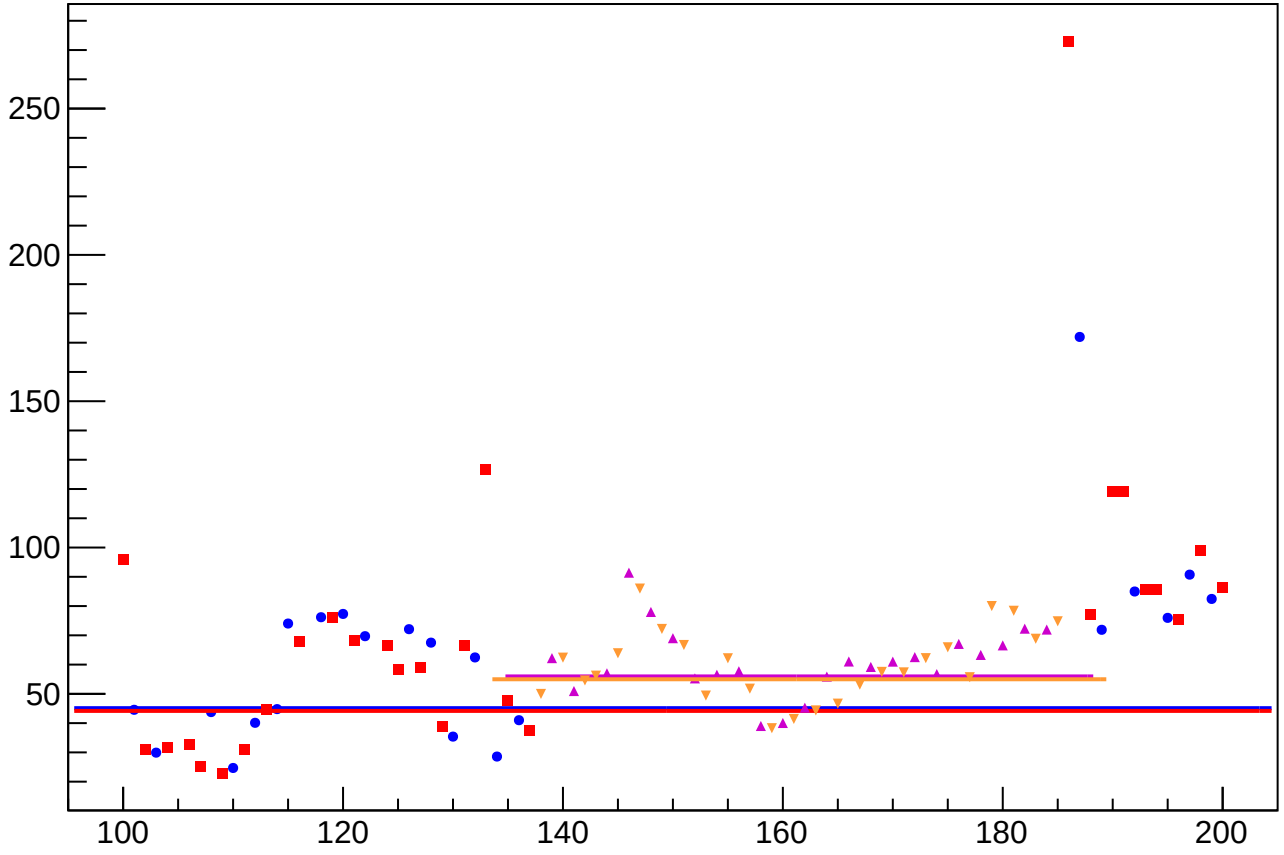
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 121.6/97

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

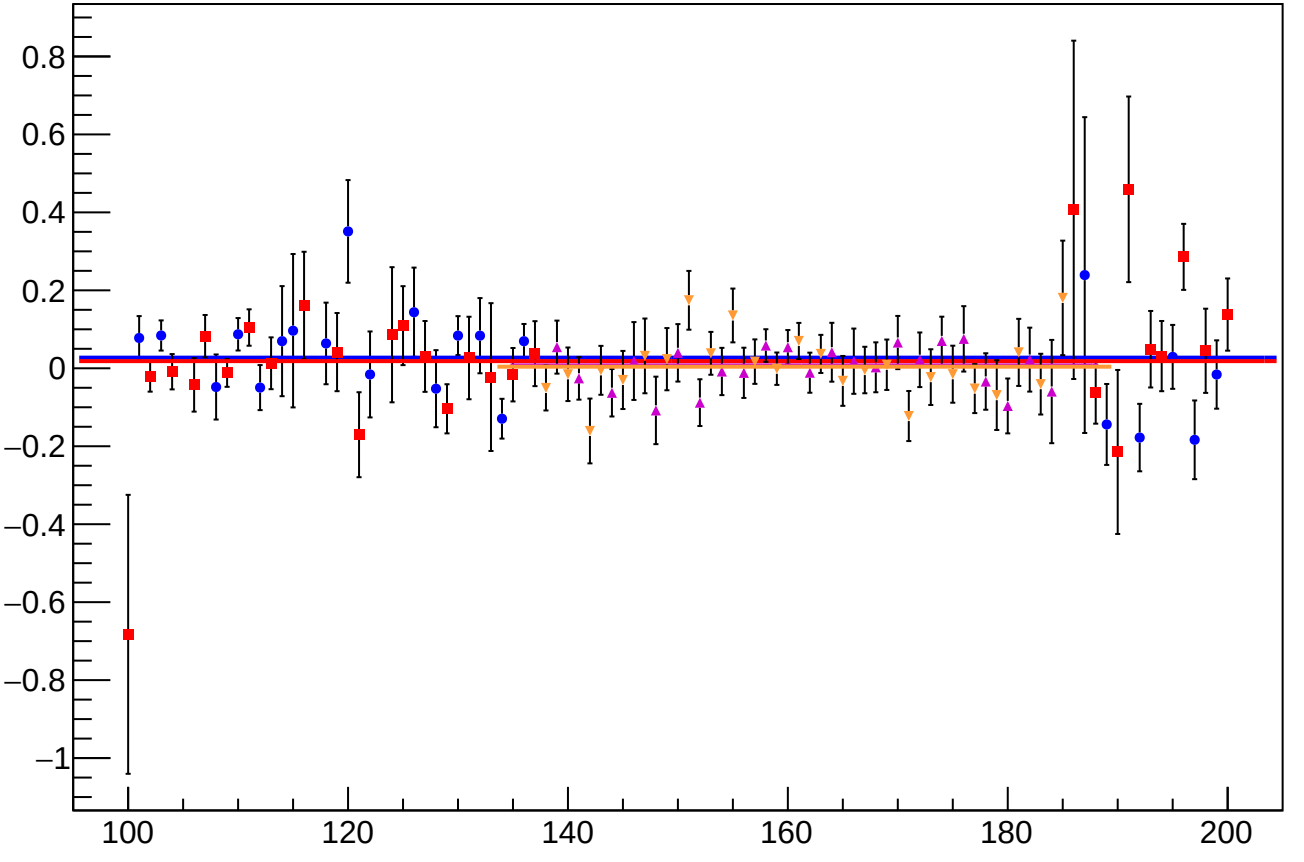
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

\+ sign 50.735+/-0.007 χ^2/NDF: 5701807.8/46

All: 50.488+/-0.005 χ^2/NDF: 13759956.5/97

\- sign 50.246+/-0.007 χ^2/NDF: 8055623.7/50

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.0/27

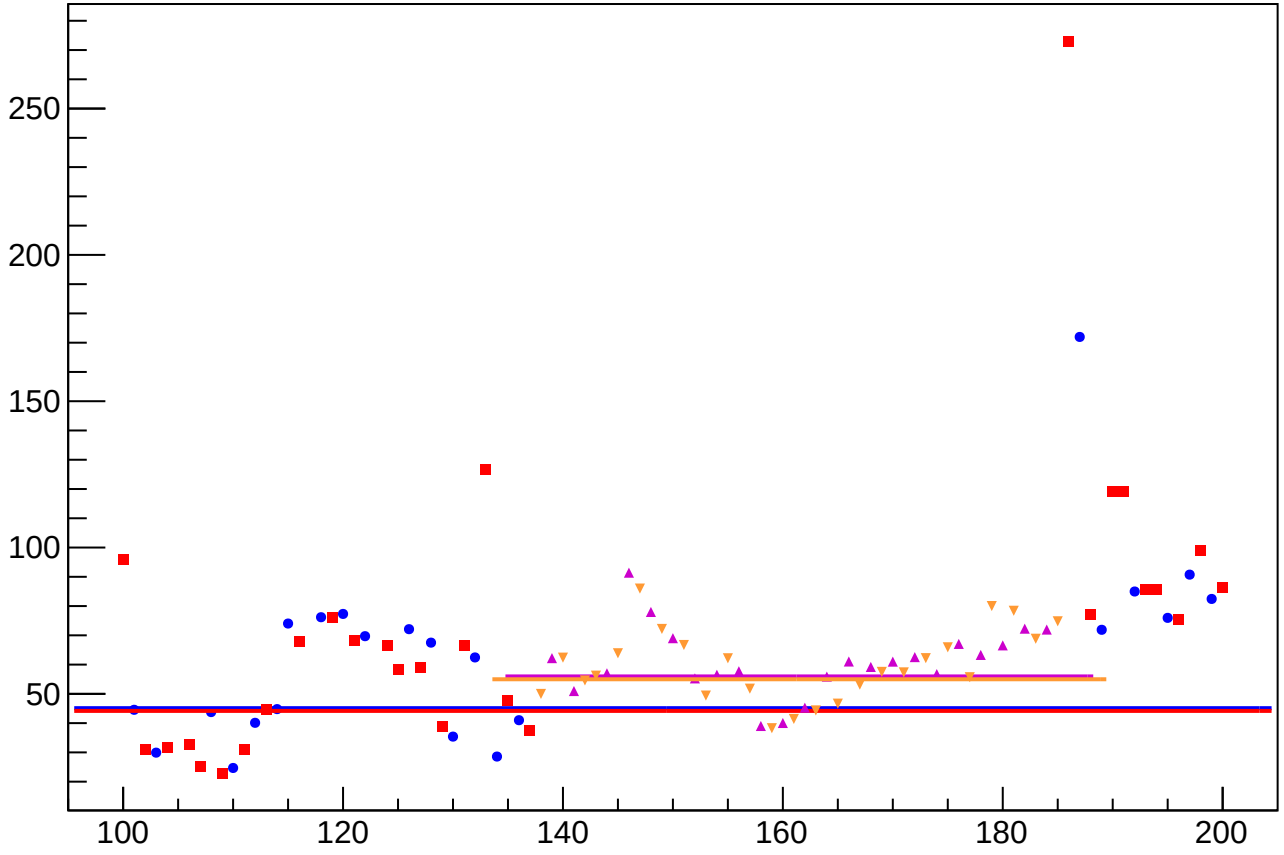
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 121.6/97

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

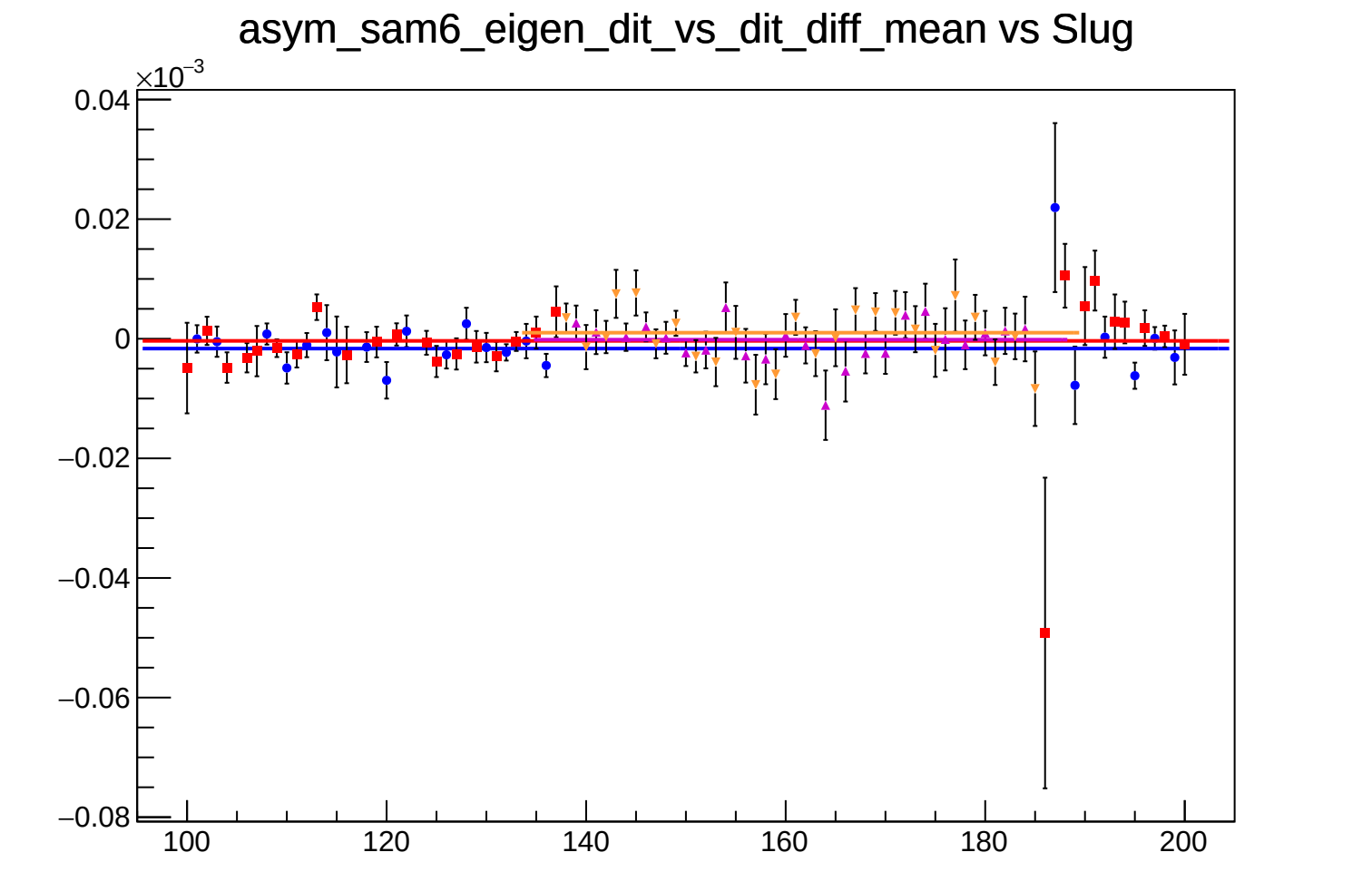
Right Out: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

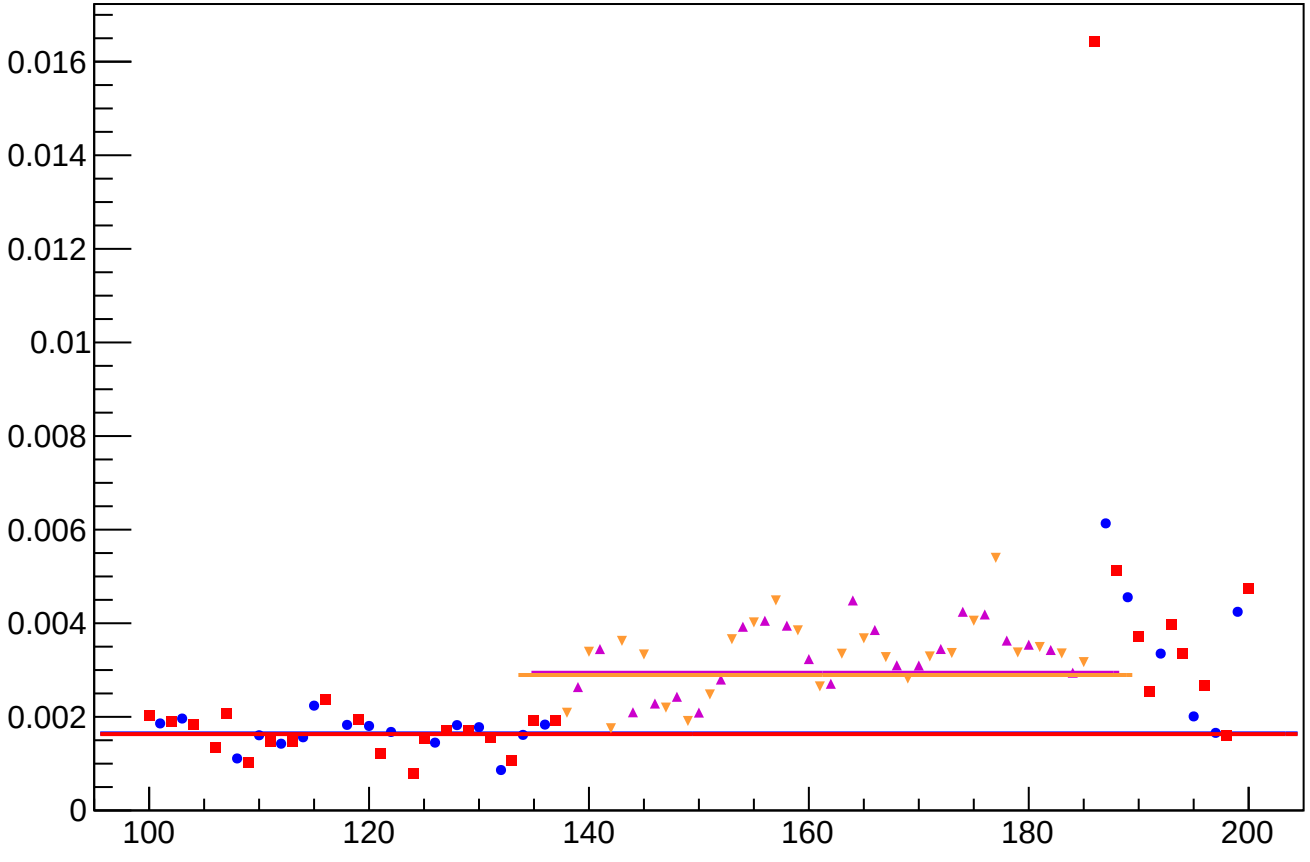
+ sign 50.735+/-0.007 χ^2/NDF: 5701807.8/46

All: 50.488+/-0.005 χ^2/NDF: 13759956.5/97

- sign 50.246+/-0.007 χ^2/NDF: 8055623.7/50


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.2/21
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.5/27
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 61.1/46
All: -0.000+/-0.000 χ²/NDF: 110.1/97
- sign -0.000+/-0.000 χ²/NDF: 48.6/50

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2812518.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

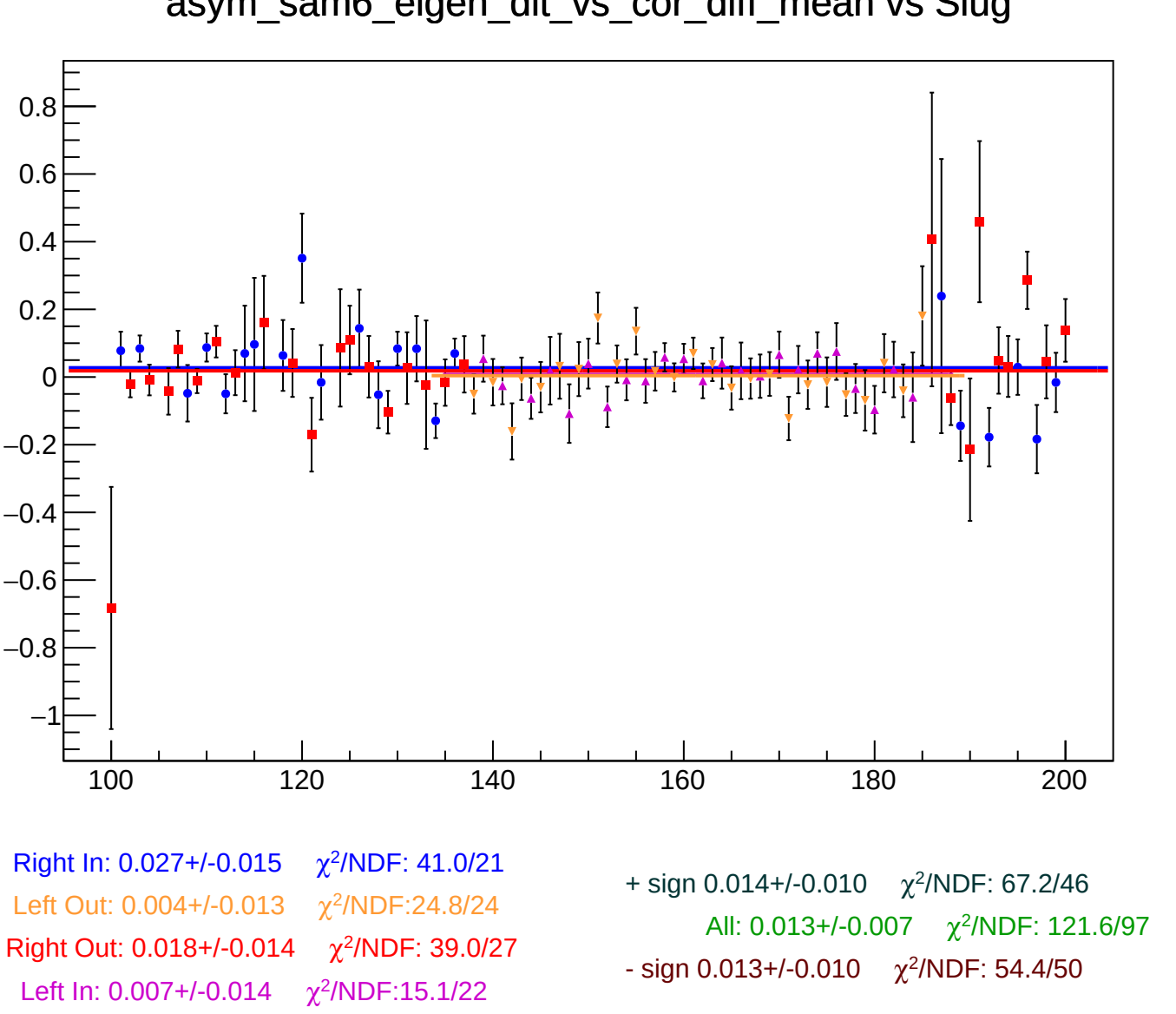
Right Out: 0.002+/-0.000 χ^2/NDF: 5087609.2/27

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

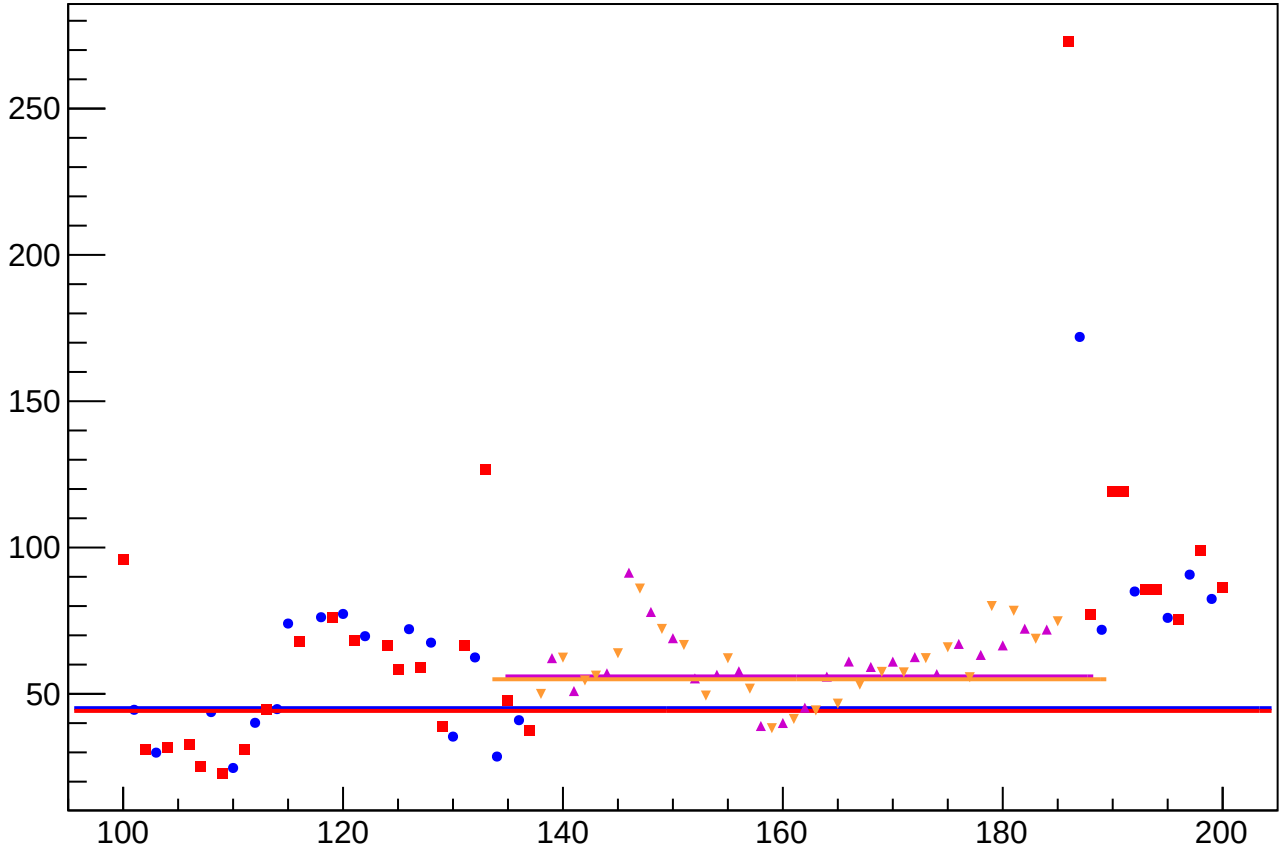
+ sign 0.002+/-0.000 χ^2/NDF: 9624555.8/46

All: 0.002+/-0.000 χ^2/NDF: 21203358.7/97

- sign 0.002+/-0.000 χ^2/NDF: 11565206.5/50


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.027+/-0.015 χ²/NDF: 41.0/21
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.018+/-0.014 χ²/NDF: 39.0/27
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.014+/-0.010 χ²/NDF: 67.2/46
All: 0.013+/-0.007 χ²/NDF: 121.6/97
- sign 0.013+/-0.010 χ²/NDF: 54.4/50

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

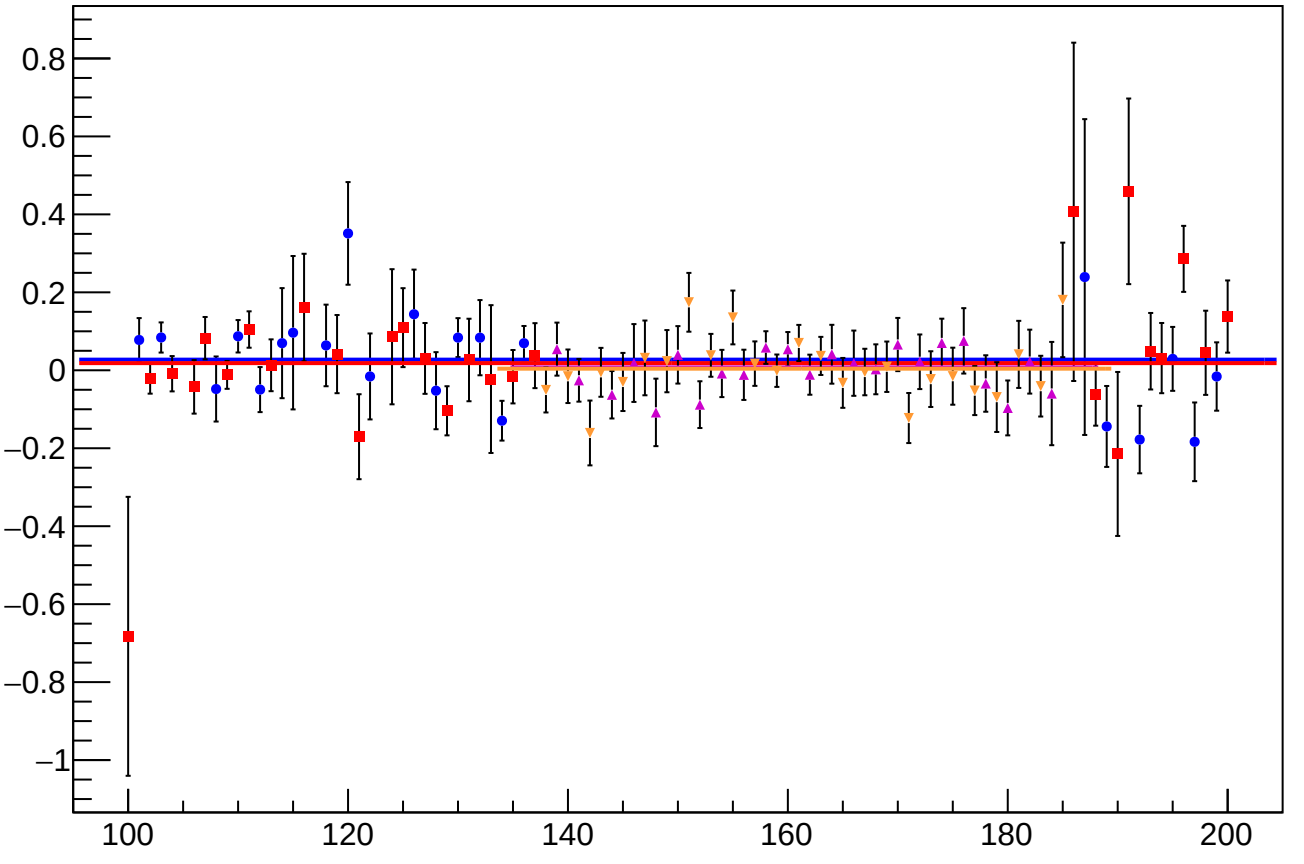
Right Out: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 50.734+/-0.007 χ^2/NDF: 5701977.9/46

All: 50.488+/-0.005 χ^2/NDF: 13760196.9/97

- sign 50.245+/-0.007 χ^2/NDF: 8055694.9/50



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.0/27

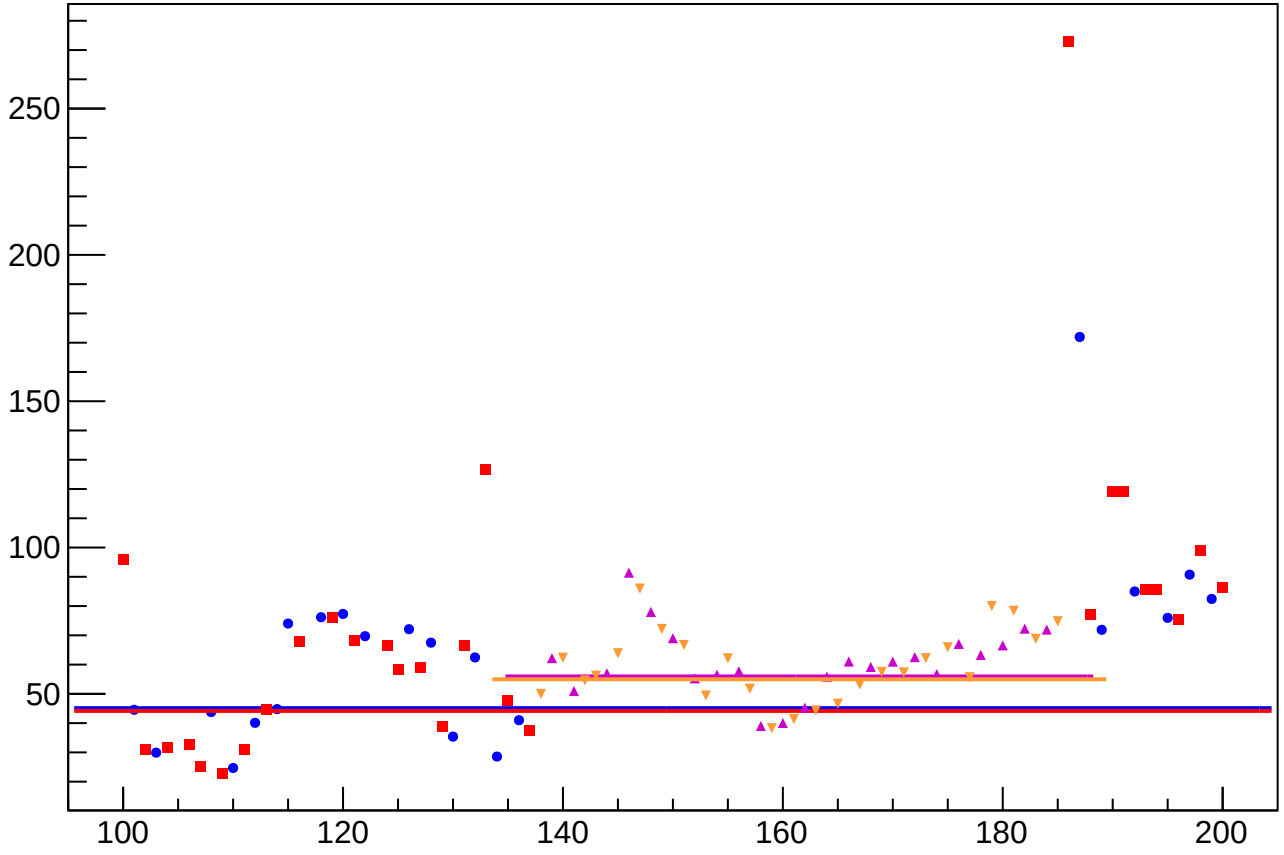
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 121.6/97

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

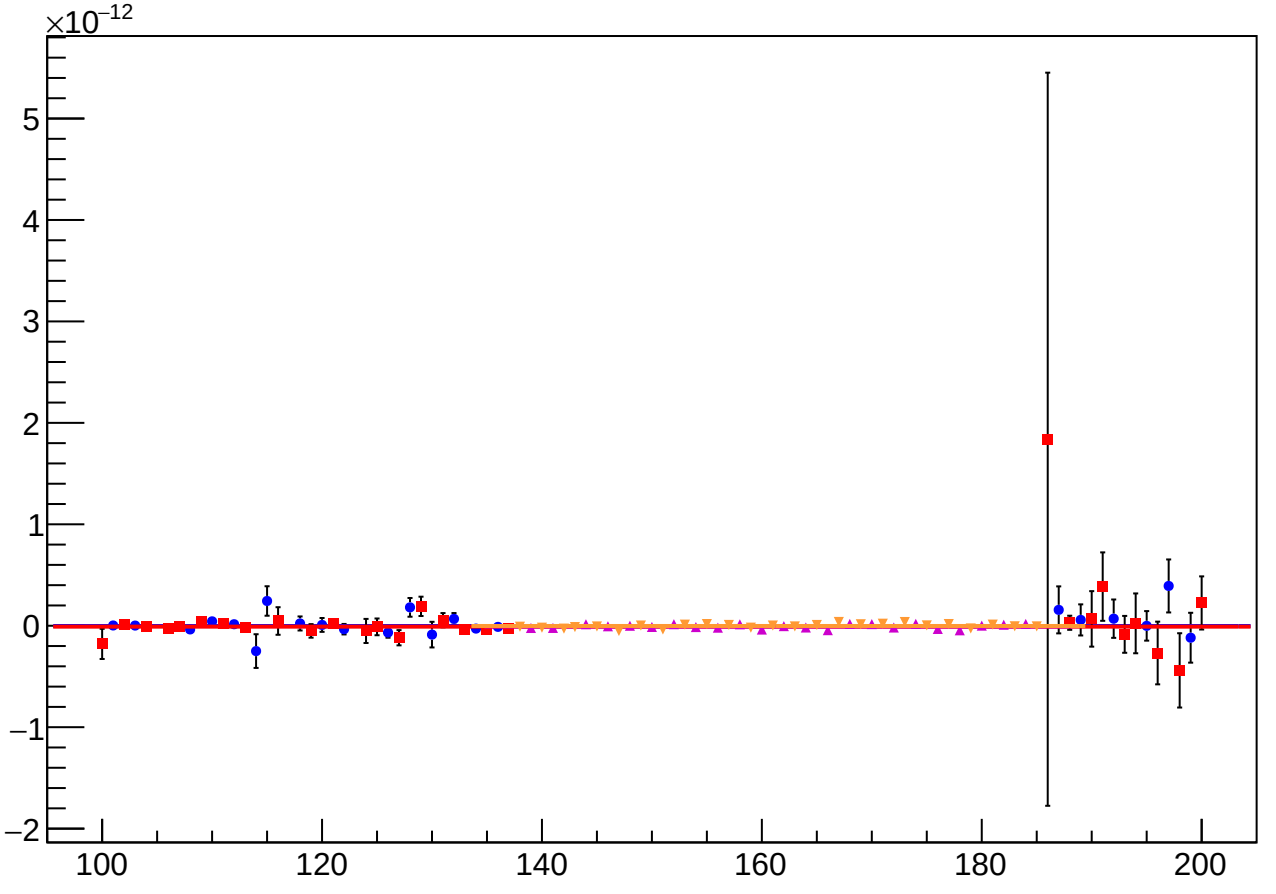
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.734+/-0.007 χ^2/NDF: 5701977.9/46

All: 50.488+/-0.005 χ^2/NDF: 13760196.9/97

\- sign 50.245+/-0.007 χ^2/NDF: 8055694.9/50

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

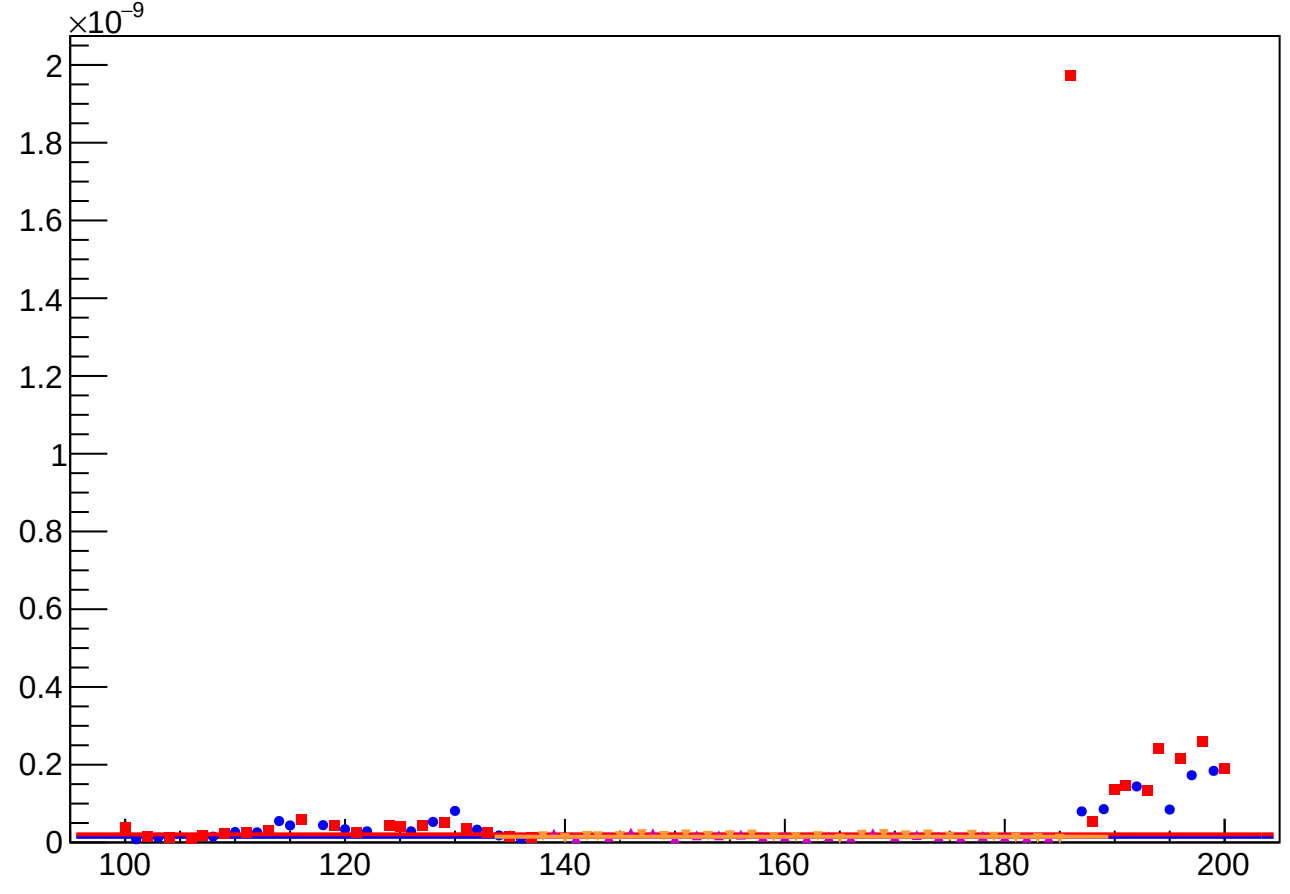
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/27

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/46

All: -0.000+/-0.000 χ^2/NDF: 82.7/97

- sign -0.000+/-0.000 χ^2/NDF: 42.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 6900121.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8190749.6/27

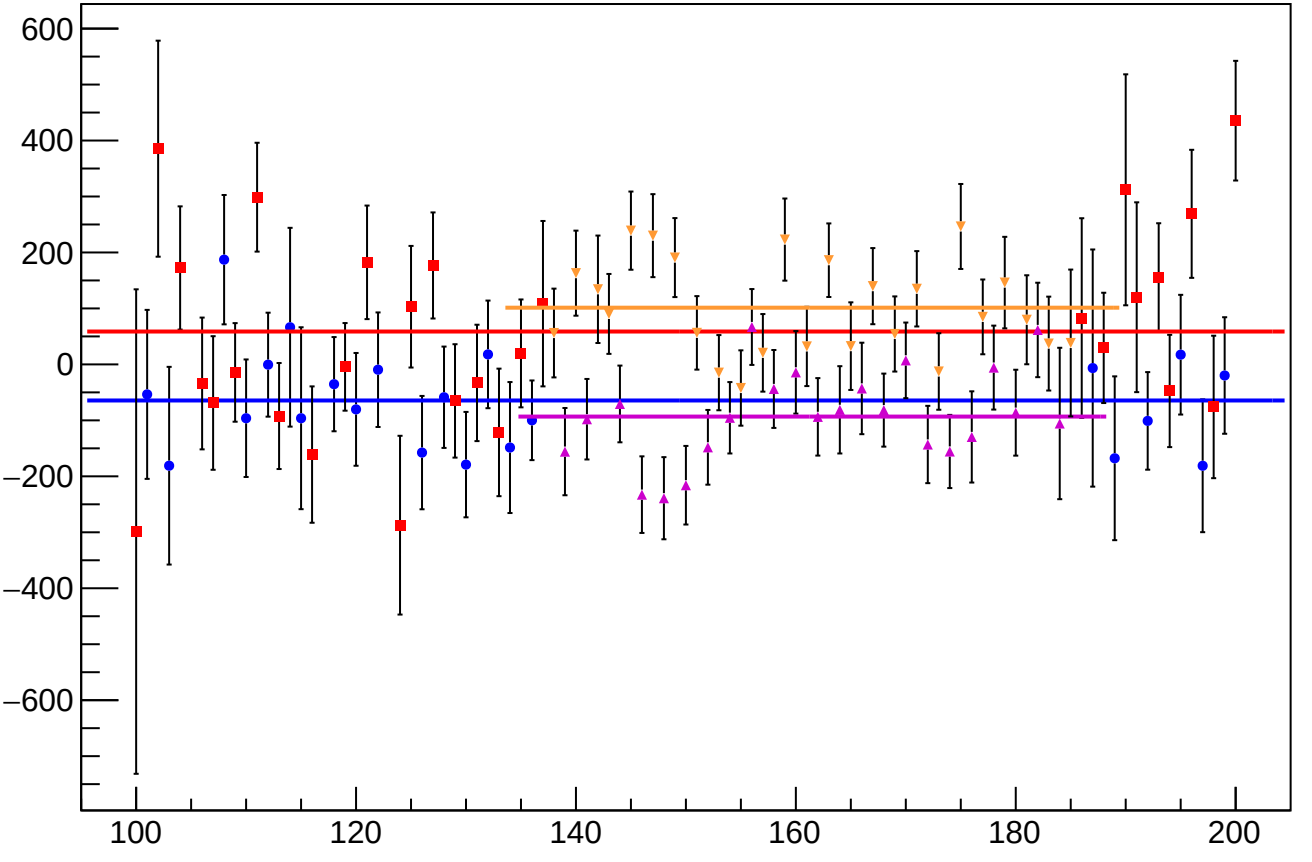
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8305588.9/46

All: 0.000+/-0.000 χ^2/NDF: 18755785.7/97

- sign 0.000+/-0.000 χ^2/NDF: 10323972.6/50

reg_asym_sam7_mean vs Slug



Right In: -64.474+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 58.739+/-21.261 χ^2/NDF: 53.4/27

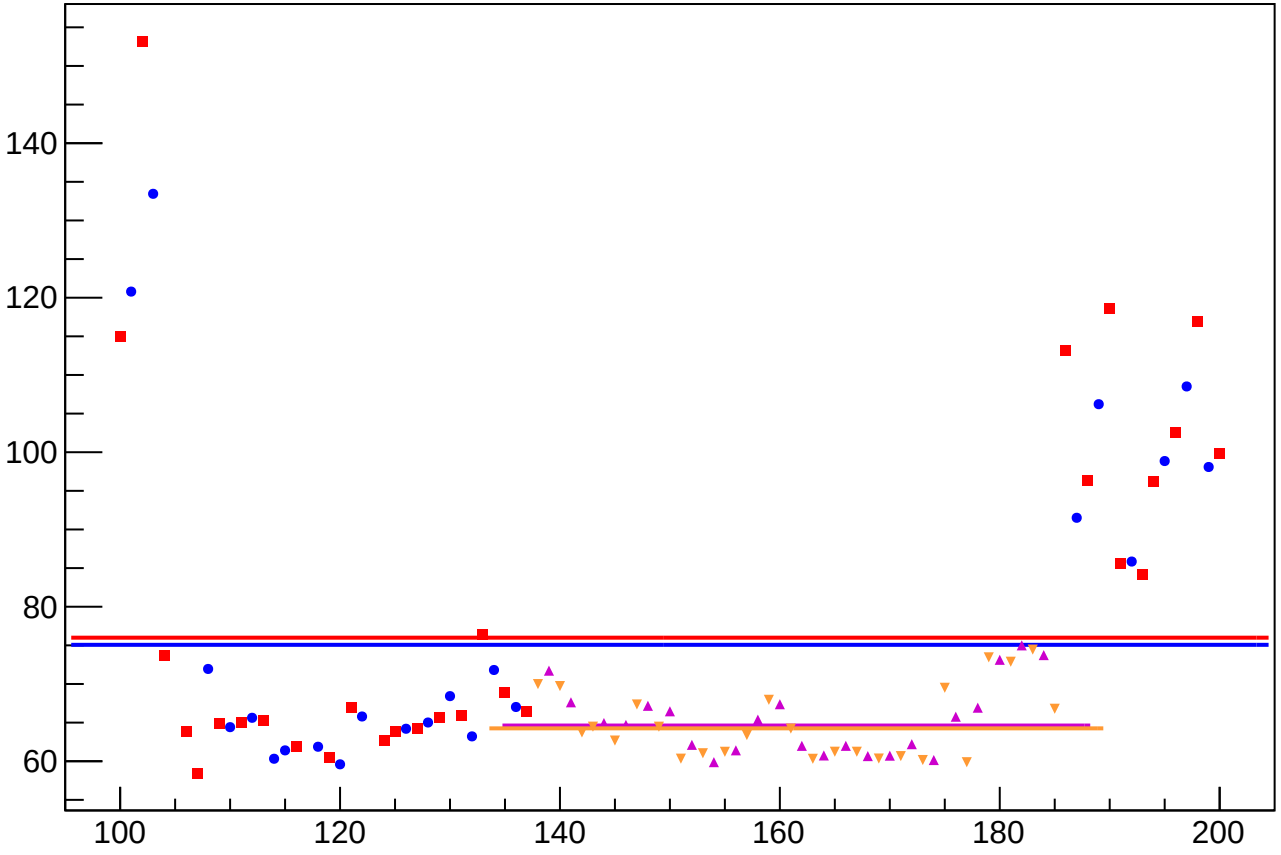
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 52.901+/-12.319 χ^2/NDF: 84.4/46

All: 5.436+/-8.715 χ^2/NDF: 230.2/97

- sign -42.117+/-12.331 χ^2/NDF: 116.1/50

reg_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.0/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.994+/-0.015 χ^2/NDF: 1507604.8/27

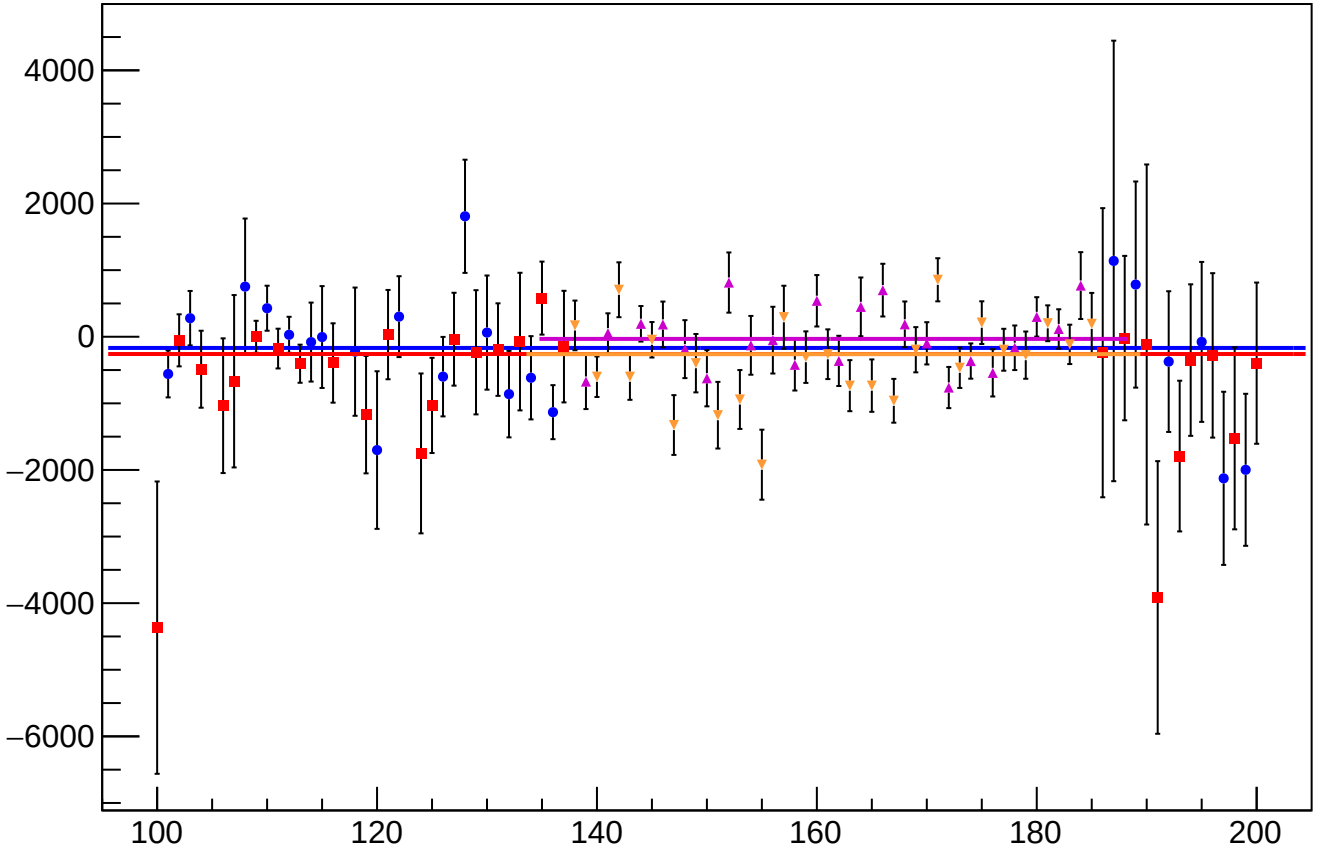
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.413+/-0.009 χ^2/NDF: 1685500.9/46

All: 67.930+/-0.006 χ^2/NDF: 3727110.8/97

- sign 68.447+/-0.009 χ^2/NDF: 2034582.9/50

asym_sam7_reg_correction_mean vs Slug



Right In: -167.956+/-122.588 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -259.400+/-114.141 χ^2/NDF: 18.6/27

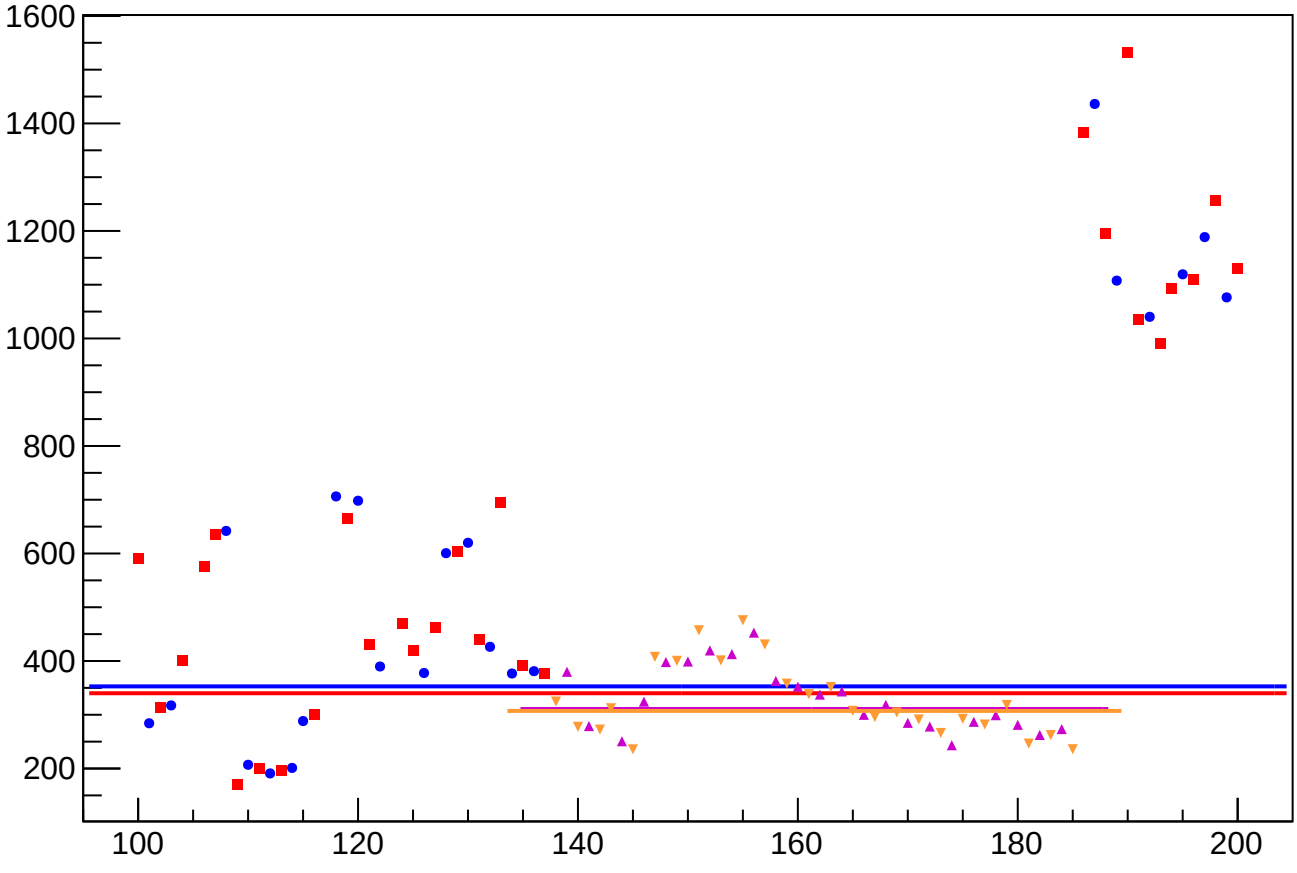
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.916+/-43.702 χ^2/NDF: 142.8/97

- sign -99.385+/-61.996 χ^2/NDF: 53.1/50

asym_sam7_reg_correction_rms vs Slug



Right In: 352.792+/-0.087 χ^2/NDF: 6323429.3/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 340.049+/-0.081 χ^2/NDF: 9211419.3/27

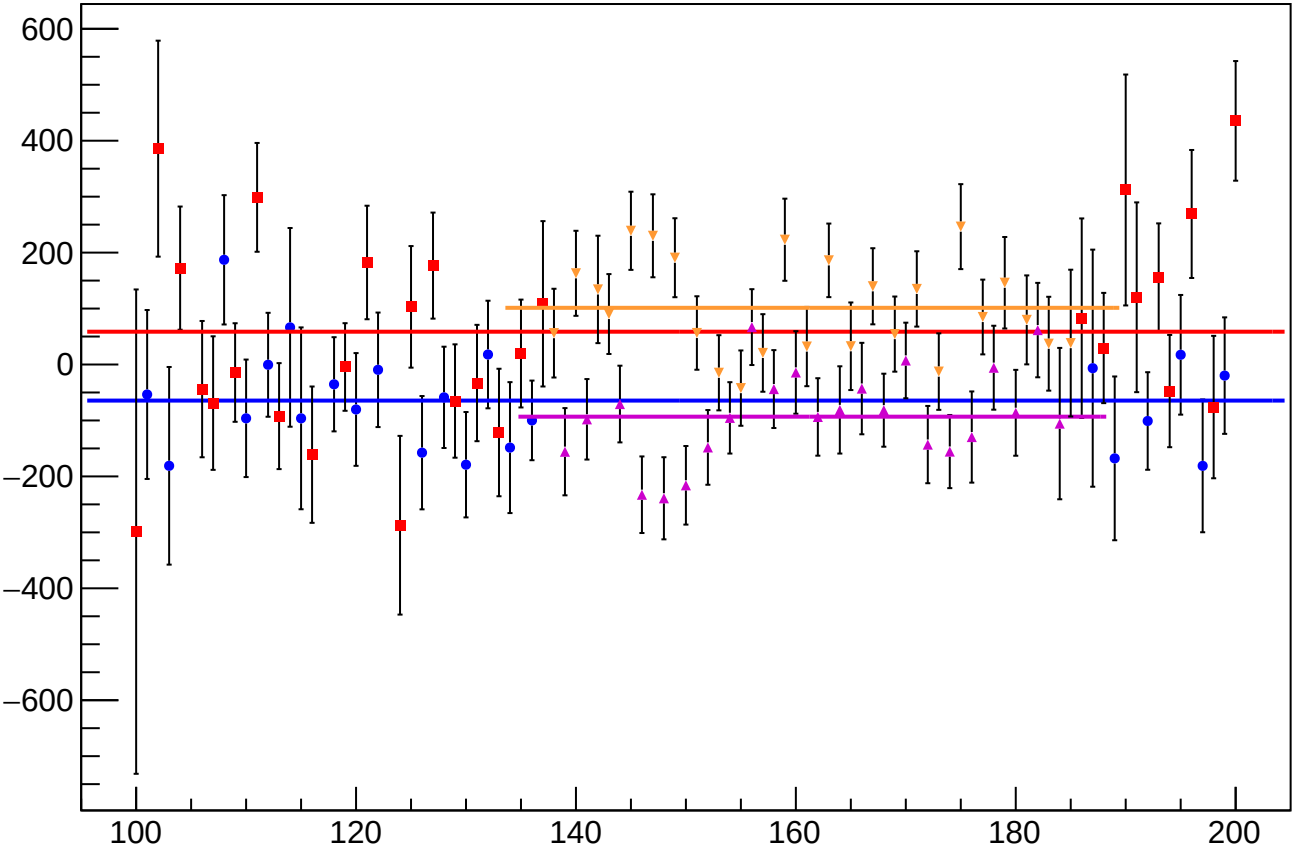
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 318.674+/-0.044 χ^2/NDF: 7850856.3/46

All: 319.013+/-0.031 χ^2/NDF: 18235107.0/97

- sign 319.356+/-0.044 χ^2/NDF: 10384129.0/50

cor_asym_sam7_mean vs Slug



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 58.637+/-21.284 χ^2/NDF: 53.5/27

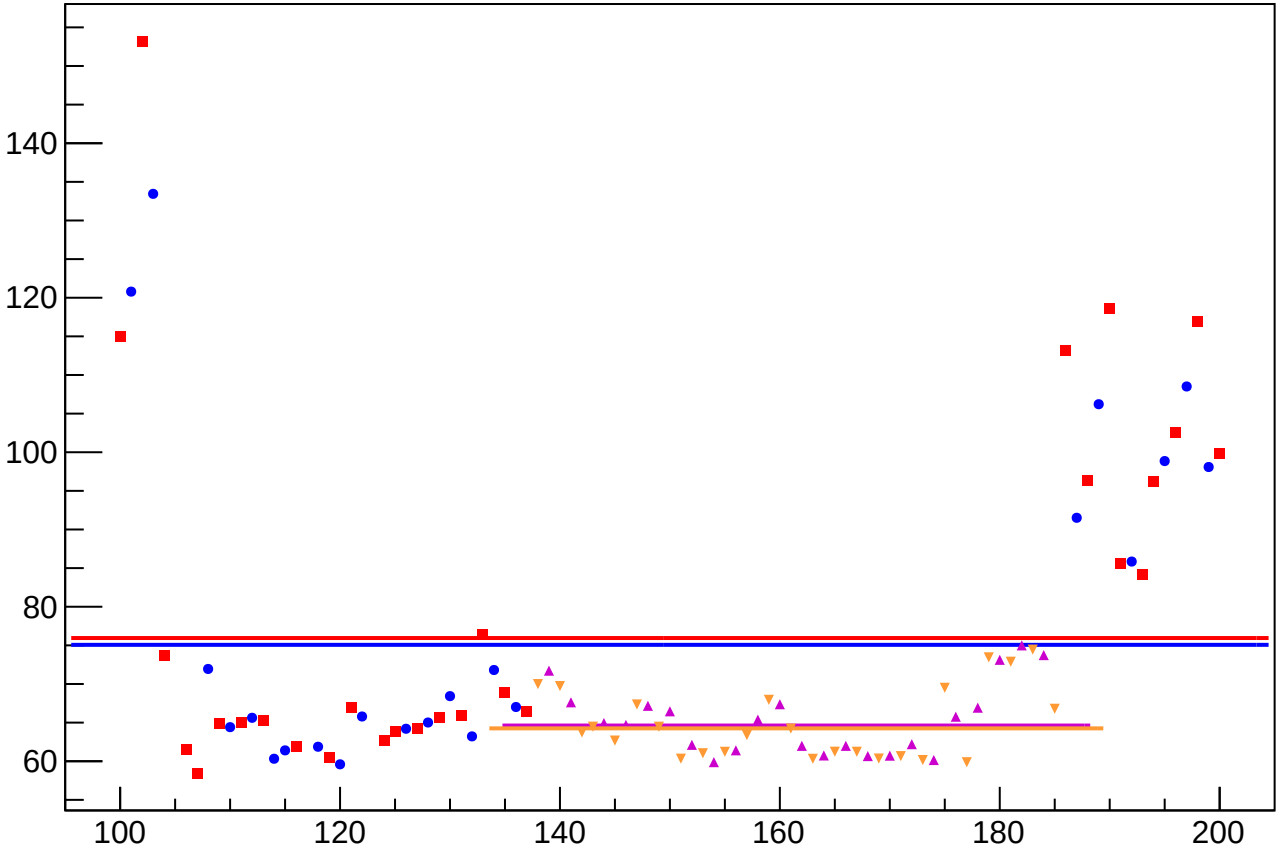
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 52.900+/-12.319 χ^2/NDF: 84.4/46

All: 5.400+/-8.717 χ^2/NDF: 230.3/97

- sign -42.224+/-12.335 χ^2/NDF: 116.1/50

cor_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

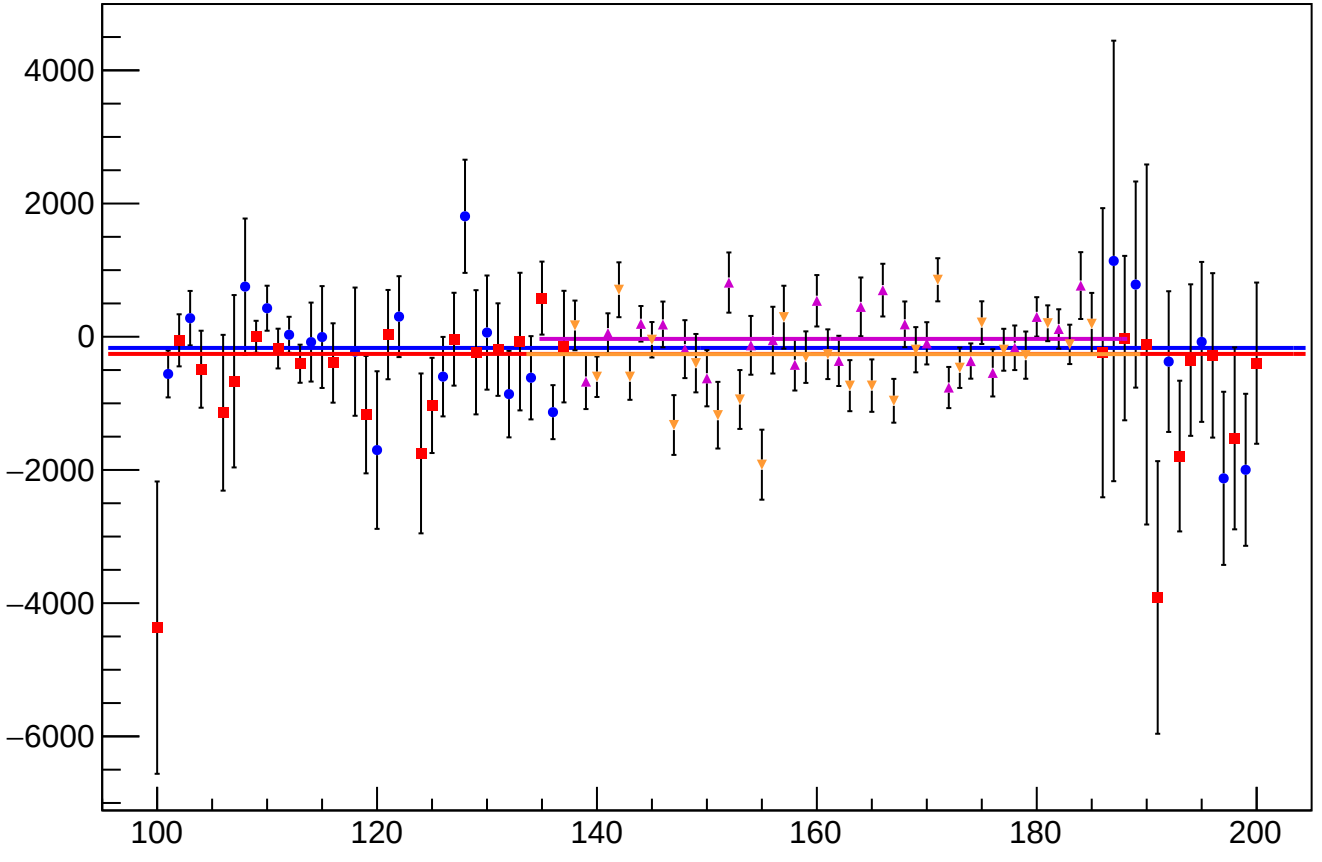
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 67.413+/-0.009 χ^2/NDF: 1685501.2/46

All: 67.919+/-0.006 χ^2/NDF: 3730286.7/97

\- sign 68.426+/-0.009 χ^2/NDF: 2038043.0/50

asym_sam7_cor_correction_mean vs Slug



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.922+/-114.329 χ^2/NDF: 18.6/27

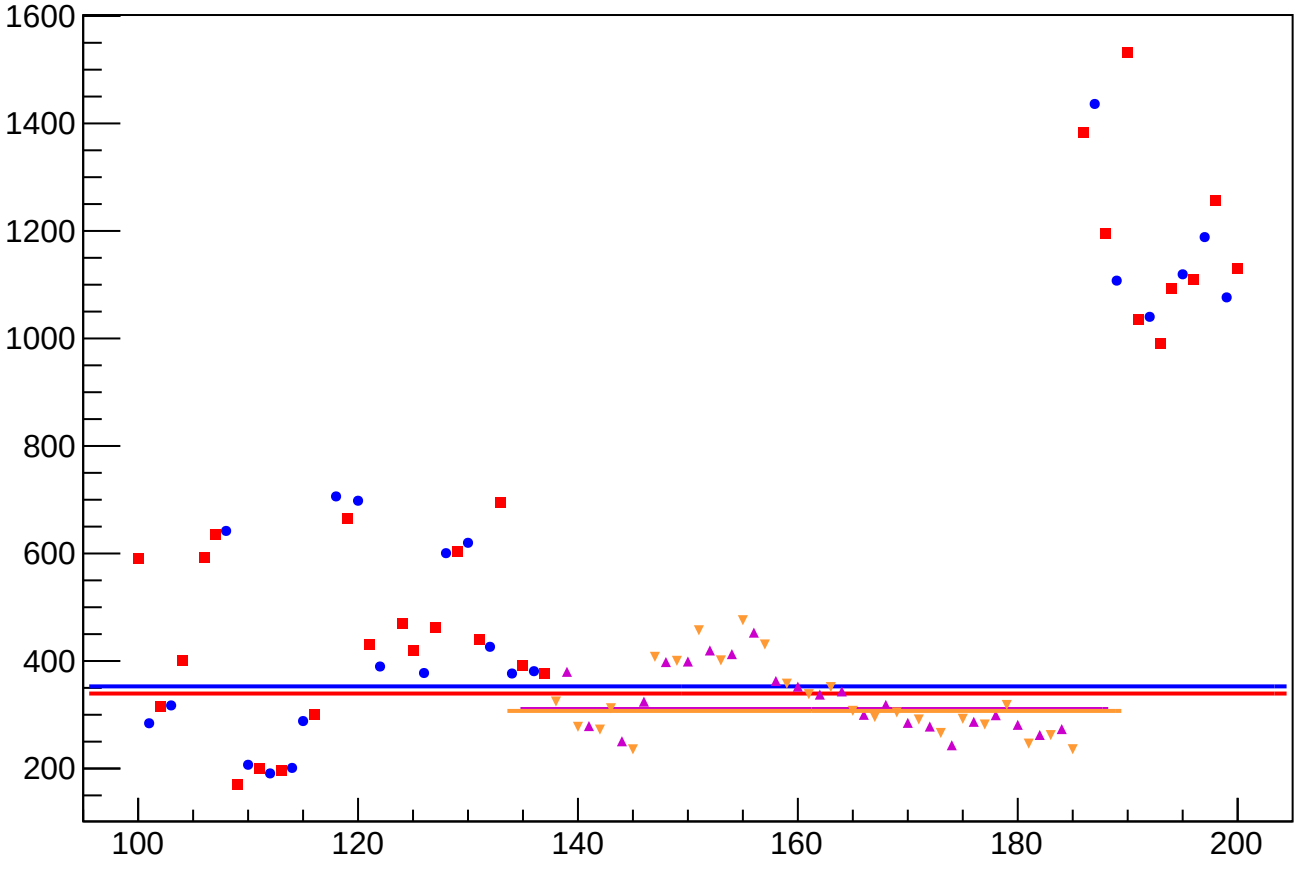
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.654+/-43.712 χ^2/NDF: 142.8/97

- sign -98.792+/-62.026 χ^2/NDF: 53.0/50

asym_sam7_cor_correction_rms vs Slug



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

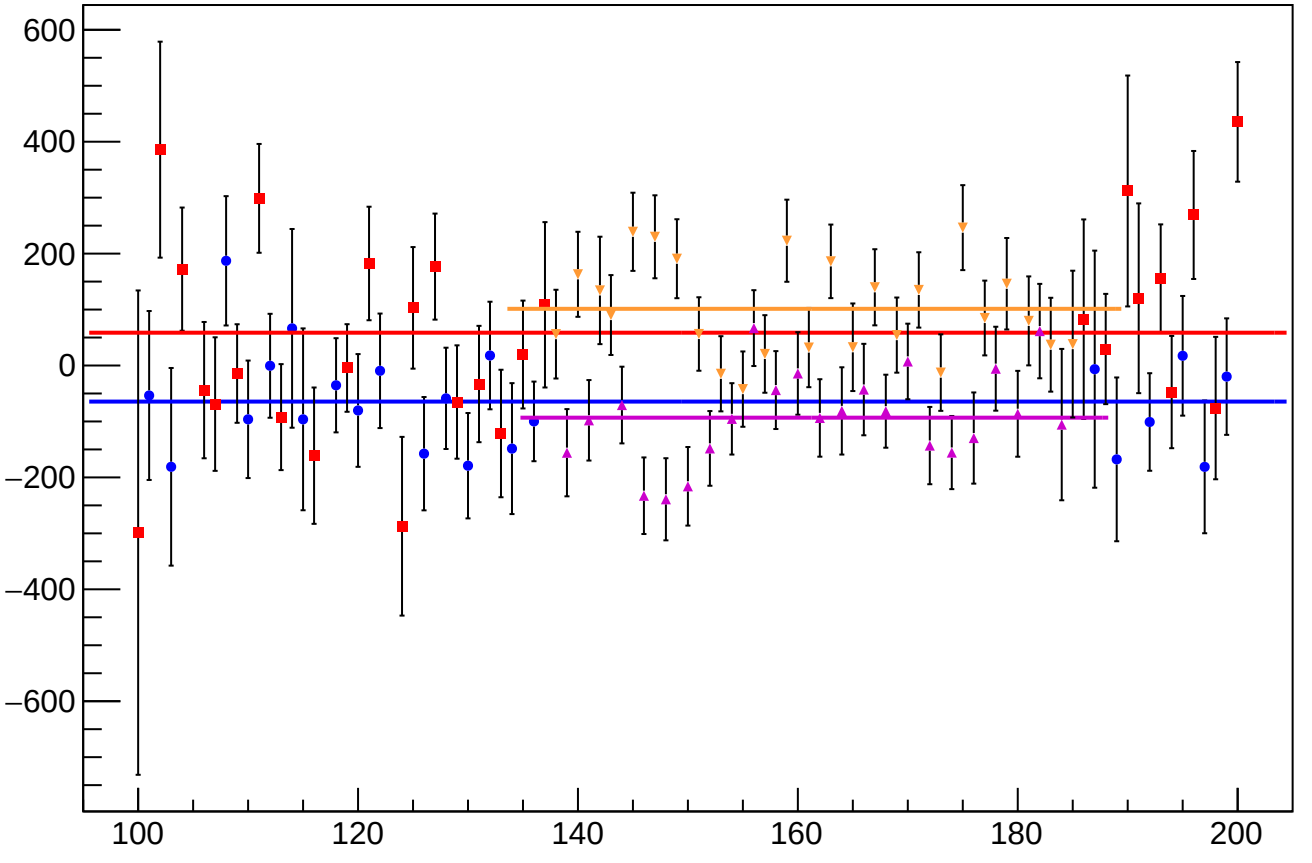
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 318.675+/-0.044 χ^2/NDF: 7850851.5/46

All: 318.920+/-0.031 χ^2/NDF: 18216589.4/97

- sign 319.168+/-0.044 χ^2/NDF: 10365674.3/50

eigen_cor_asym_sam7_mean vs Slug



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 58.637+/-21.284 χ^2/NDF: 53.5/27

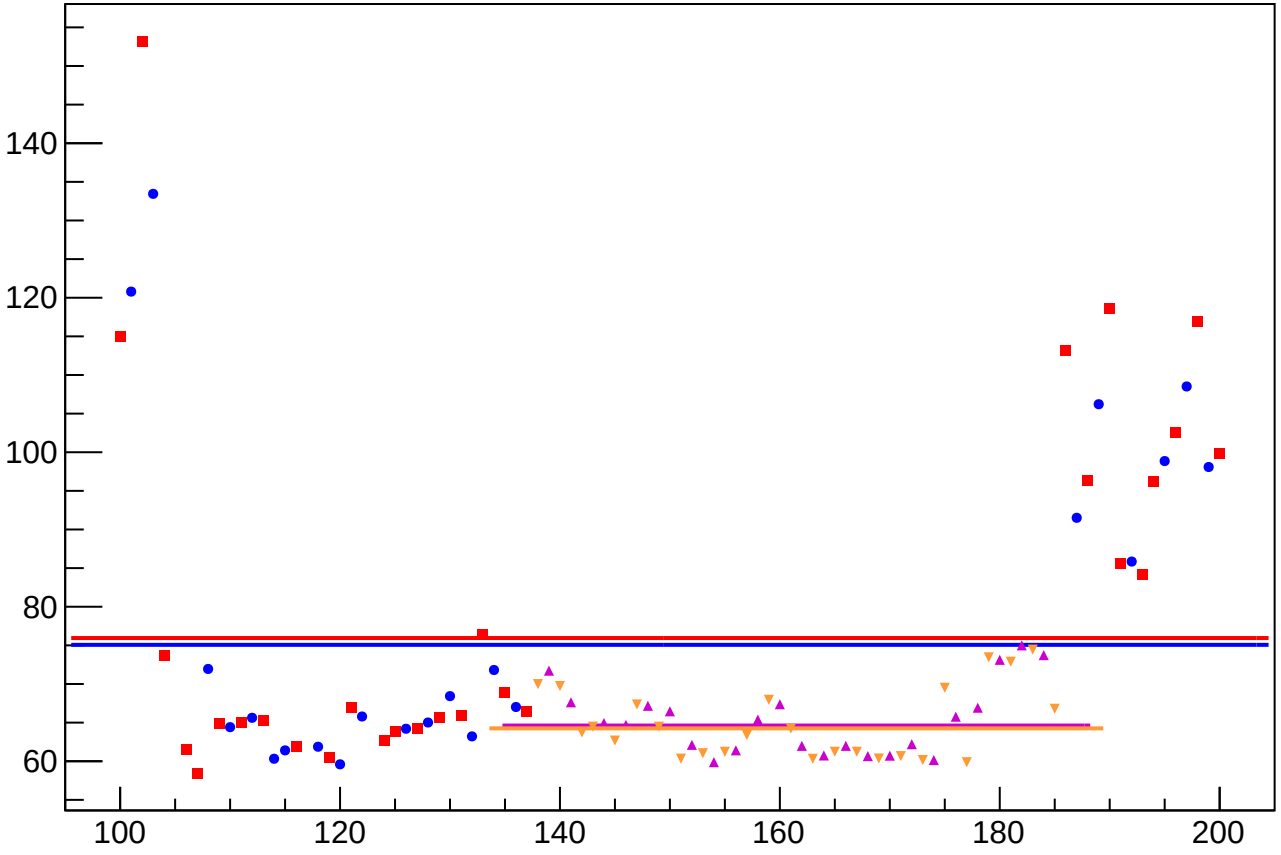
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 52.900+/-12.319 χ^2/NDF: 84.4/46

All: 5.400+/-8.717 χ^2/NDF: 230.3/97

- sign -42.224+/-12.335 χ^2/NDF: 116.1/50

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

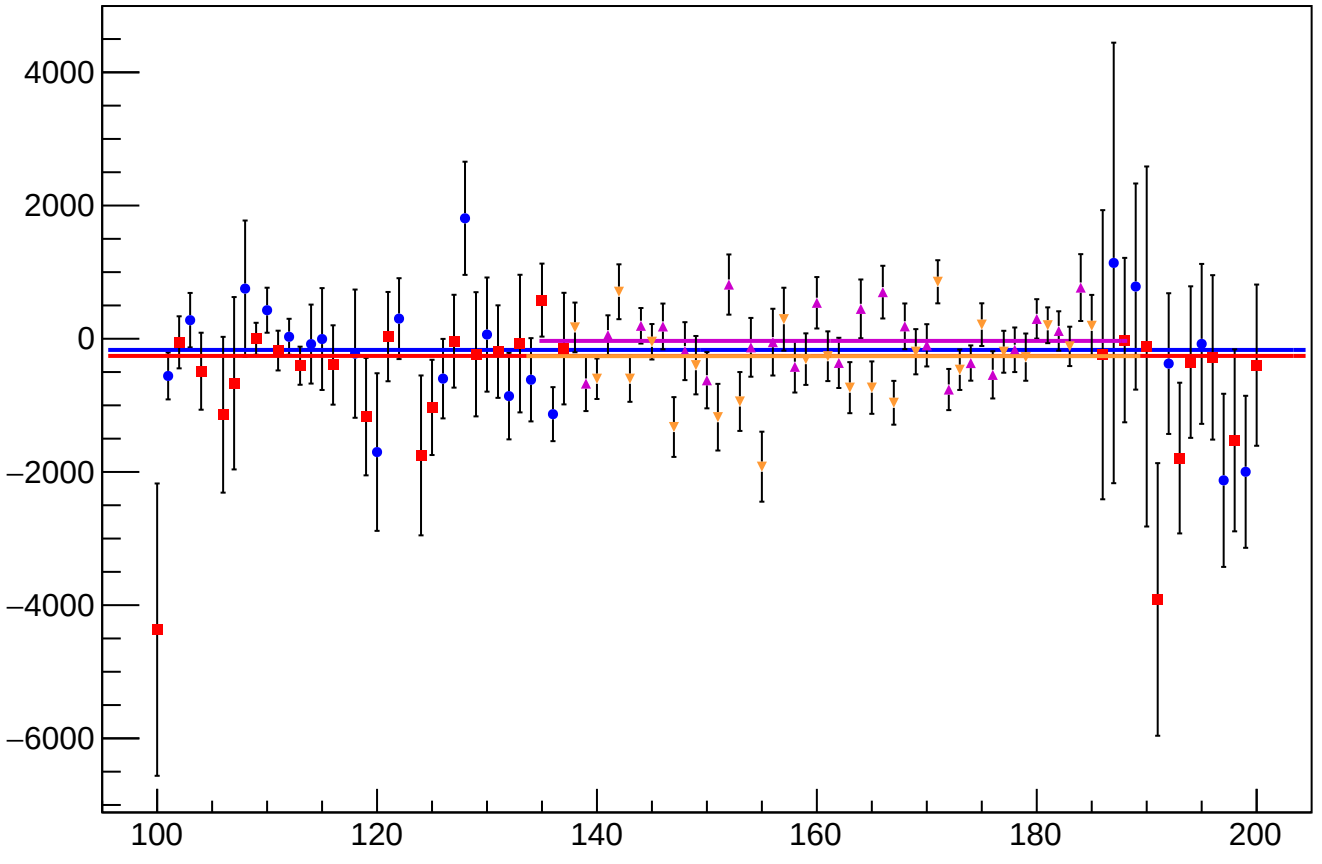
Right Out: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 67.413+/-0.009 χ^2/NDF: 1685501.2/46

All: 67.919+/-0.006 χ^2/NDF: 3730286.7/97

\- sign 68.426+/-0.009 χ^2/NDF: 2038043.0/50



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.922+/-114.329 χ^2/NDF: 18.6/27

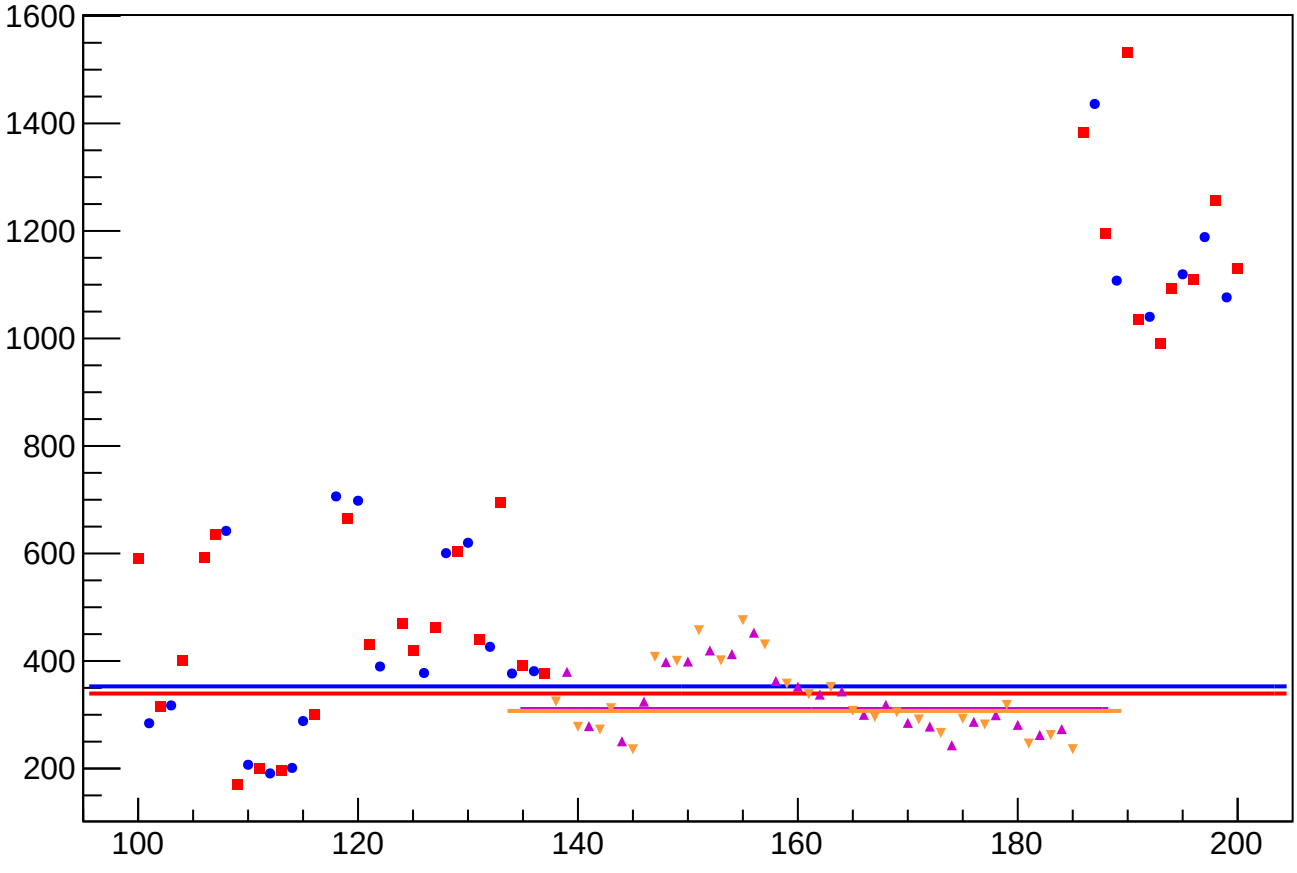
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.654+/-43.712 χ^2/NDF: 142.8/97

- sign -98.792+/-62.026 χ^2/NDF: 53.0/50

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

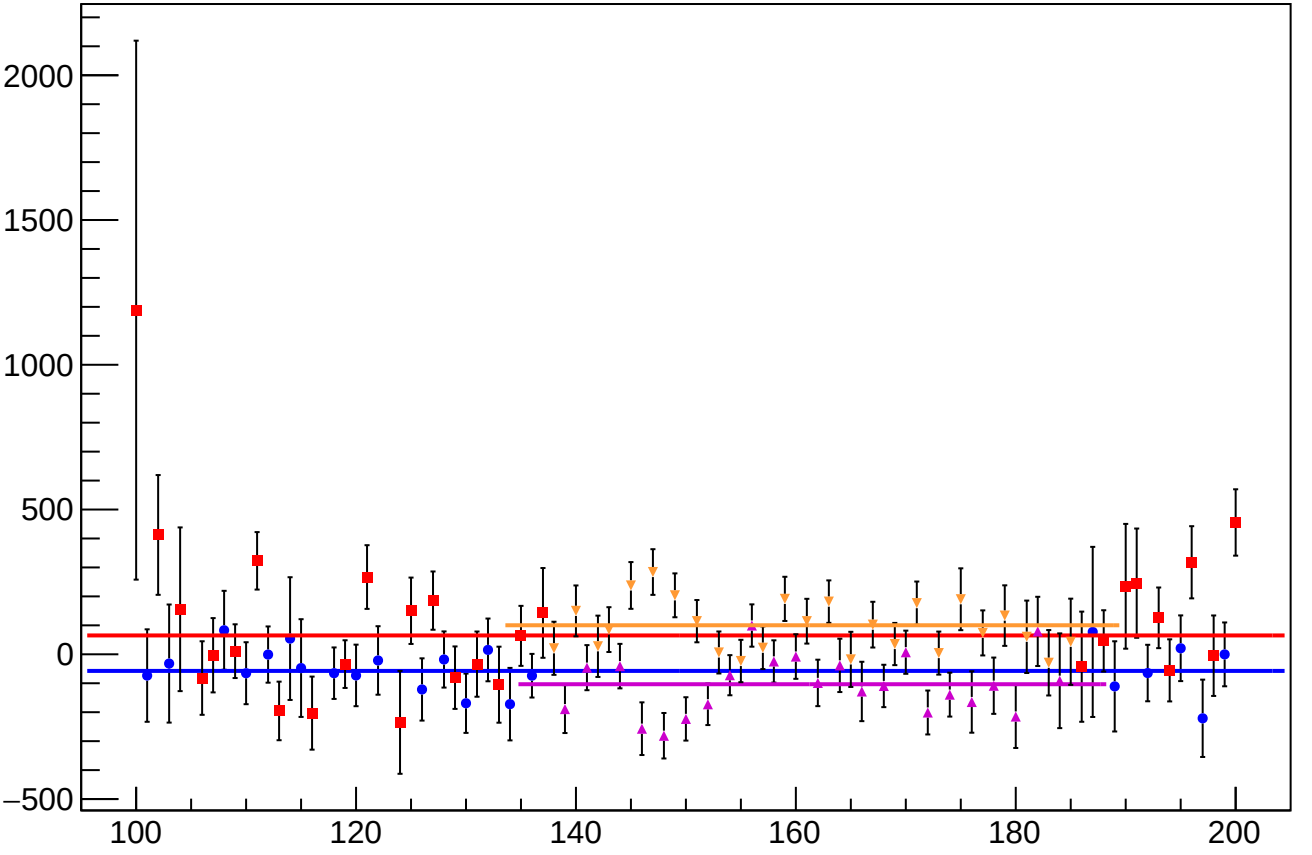
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 318.675+/-0.044 χ^2/NDF: 7850851.5/46

All: 318.920+/-0.031 χ^2/NDF: 18216589.4/97

- sign 319.168+/-0.044 χ^2/NDF: 10365674.3/50

dit_asym_sam7_mean vs Slug



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 65.145+/-23.131 χ^2/NDF: 57.9/27

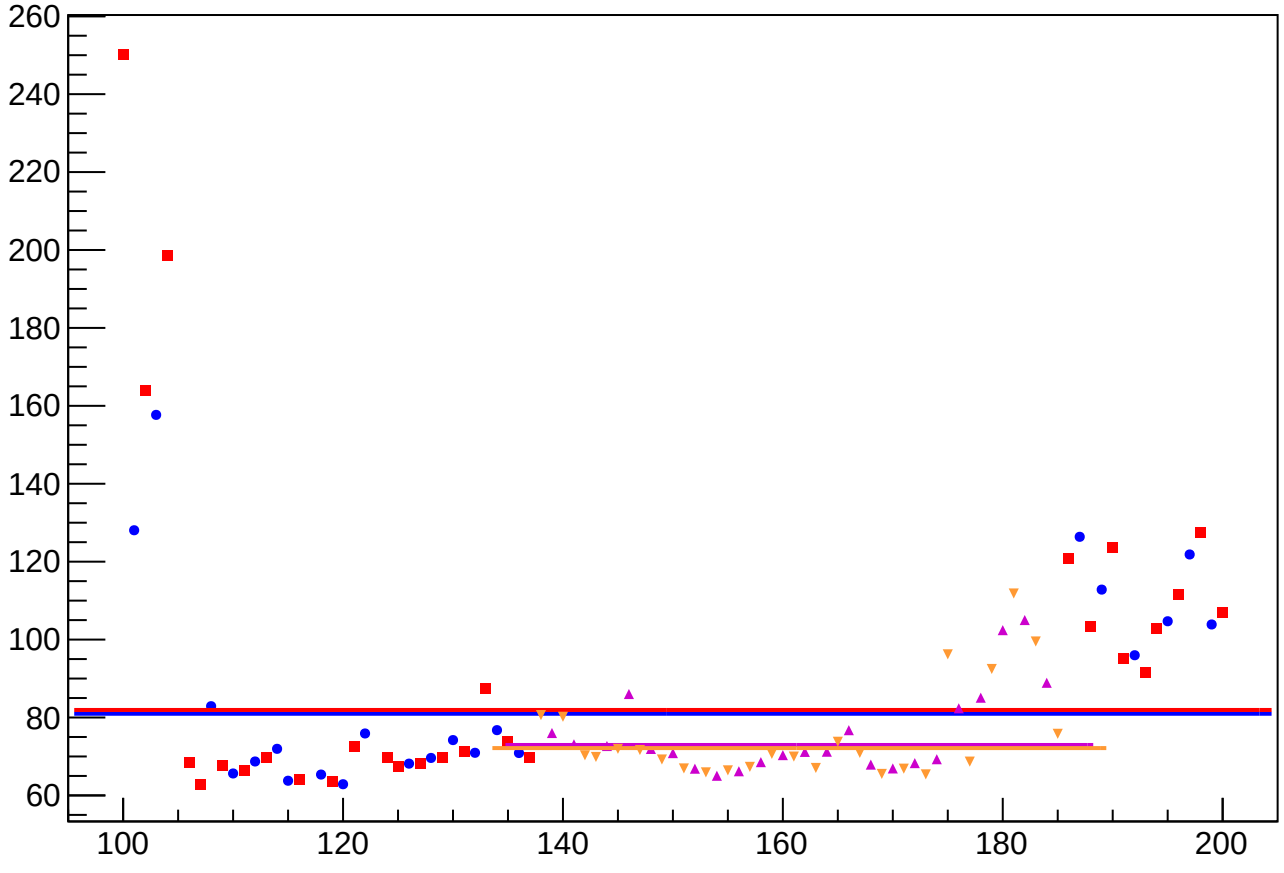
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.070+/-13.789 χ^2/NDF: 63.2/46

All: 4.141+/-9.766 χ^2/NDF: 211.2/97

- sign -43.093+/-13.833 χ^2/NDF: 124.7/50

dit_asym_sam7_rms vs Slug



Right In: 80.965+/-0.017 χ^2/NDF: 1337639.9/21

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.935+/-0.016 χ^2/NDF: 1985718.2/27

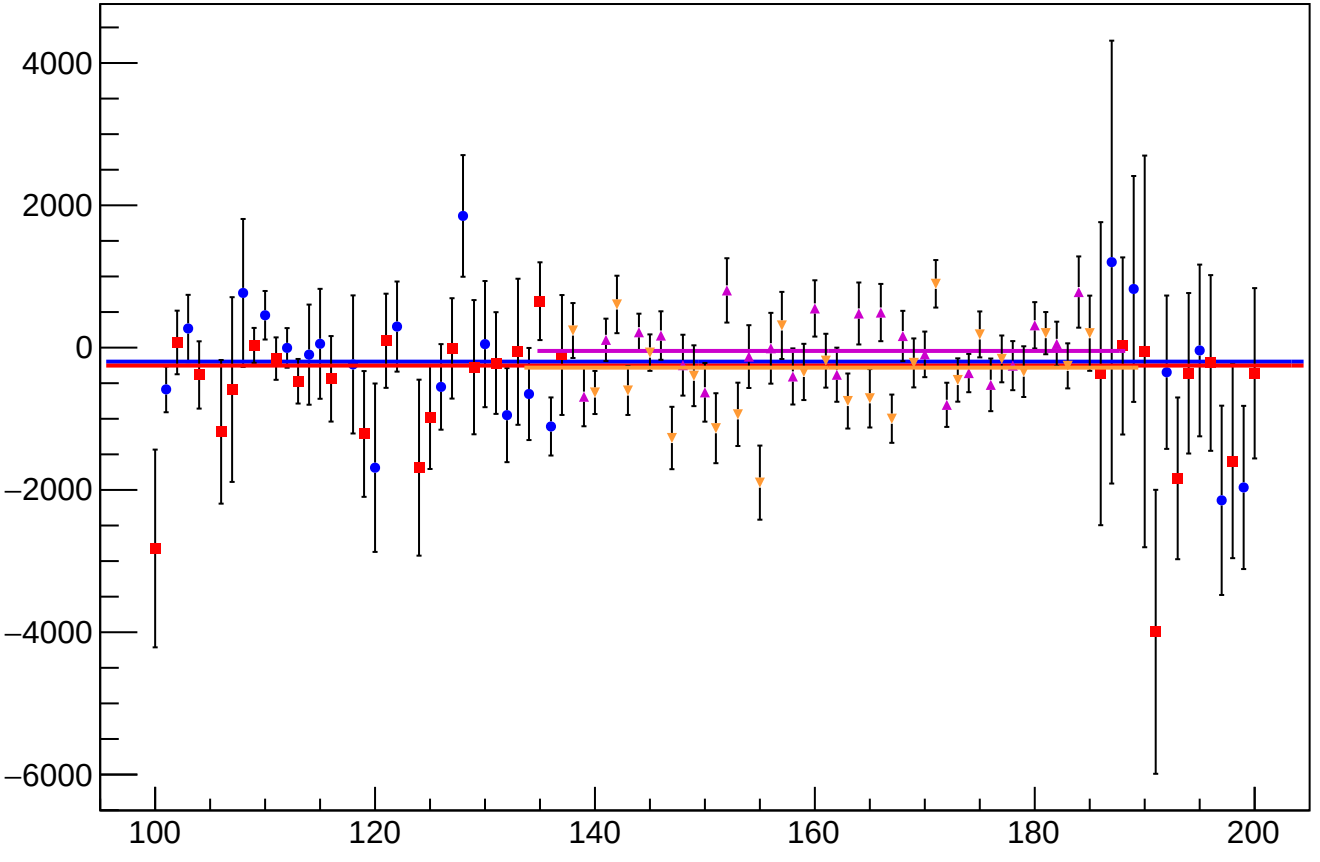
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 74.901+/-0.010 χ^2/NDF: 2155111.0/46

All: 75.530+/-0.007 χ^2/NDF: 4852141.5/97

- sign 76.163+/-0.010 χ^2/NDF: 2688684.6/50

asym_sam7_dit_correction_mean vs Slug



Right In: -197.106+/-125.006 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.436+/-116.243 χ^2/NDF: 20.2/27

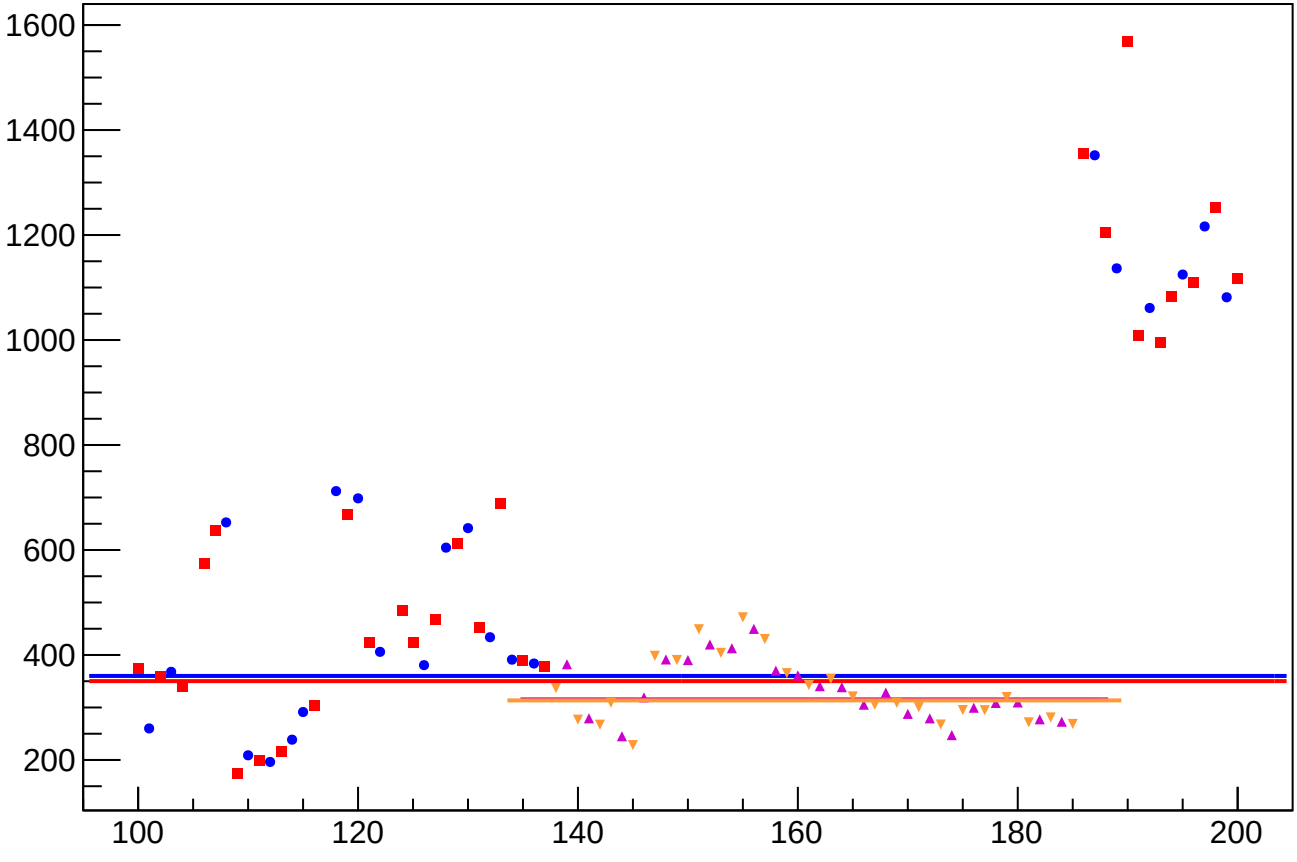
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -260.020+/-62.740 χ^2/NDF: 85.0/46

All: -183.759+/-44.441 χ^2/NDF: 141.2/97

- sign -106.962+/-62.960 χ^2/NDF: 53.2/50

asym_sam7_dit_correction_rms vs Slug



Right In: 360.088+/-0.088 χ^2/NDF: 6305330.4/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 350.210+/-0.082 χ^2/NDF: 8879397.6/27

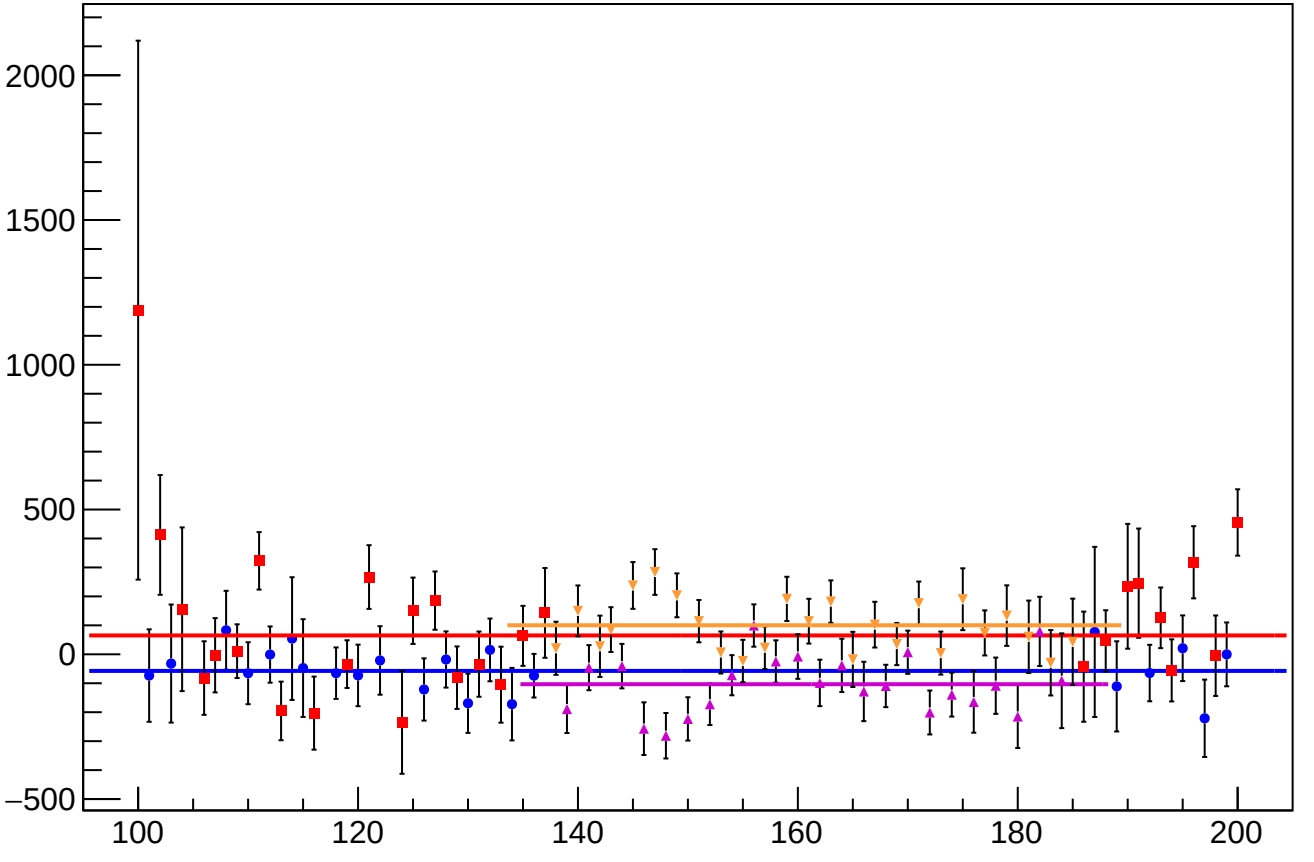
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 325.236+/-0.044 χ^2/NDF: 7688670.7/46

All: 325.442+/-0.031 χ^2/NDF: 17702966.8/97

- sign 325.651+/-0.045 χ^2/NDF: 10014252.5/50

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 65.145+/-23.131 χ^2/NDF: 57.9/27

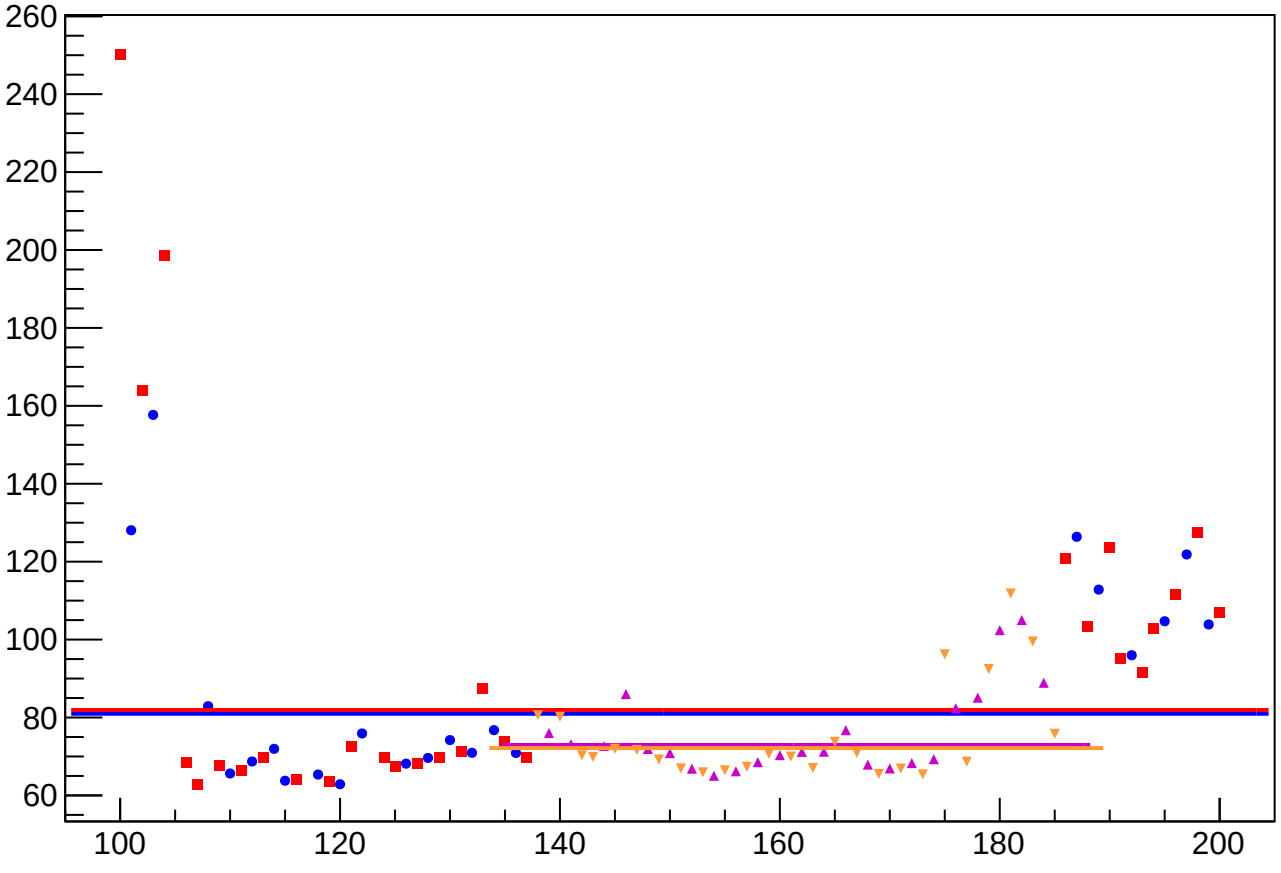
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.070+/-13.789 χ^2/NDF: 63.2/46

All: 4.141+/-9.766 χ^2/NDF: 211.2/97

- sign -43.092+/-13.833 χ^2/NDF: 124.7/50

eigen_dit_asym_sam7_rms vs Slug



Right In: 80.965+/-0.017 χ^2/NDF: 1337646.7/21

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.935+/-0.016 χ^2/NDF: 1985719.1/27

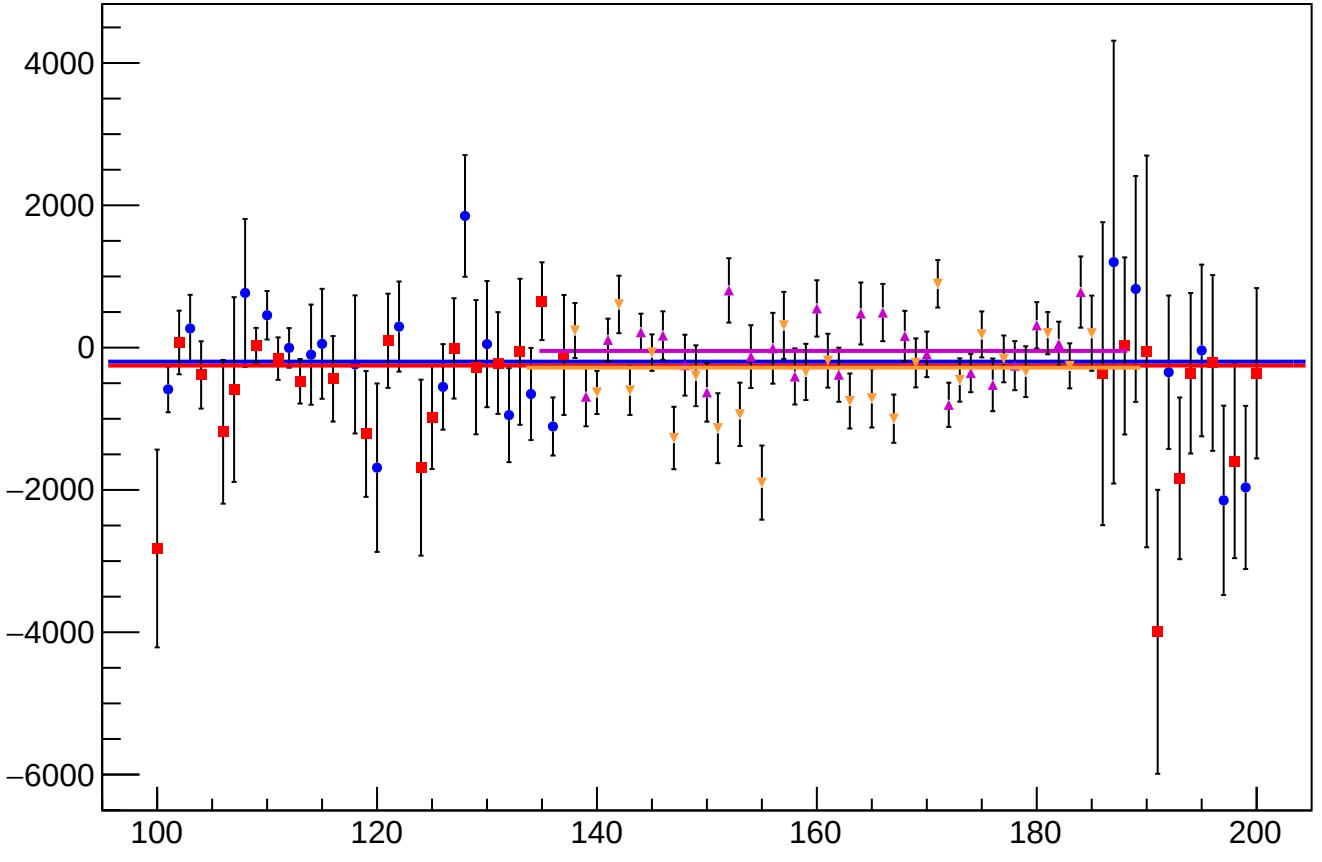
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 74.901+/-0.010 χ^2/NDF: 2155109.8/46

All: 75.530+/-0.007 χ^2/NDF: 4852136.1/97

- sign 76.163+/-0.010 χ^2/NDF: 2688680.3/50

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -197.104+/-125.005 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.435+/-116.242 χ^2/NDF: 20.2/27

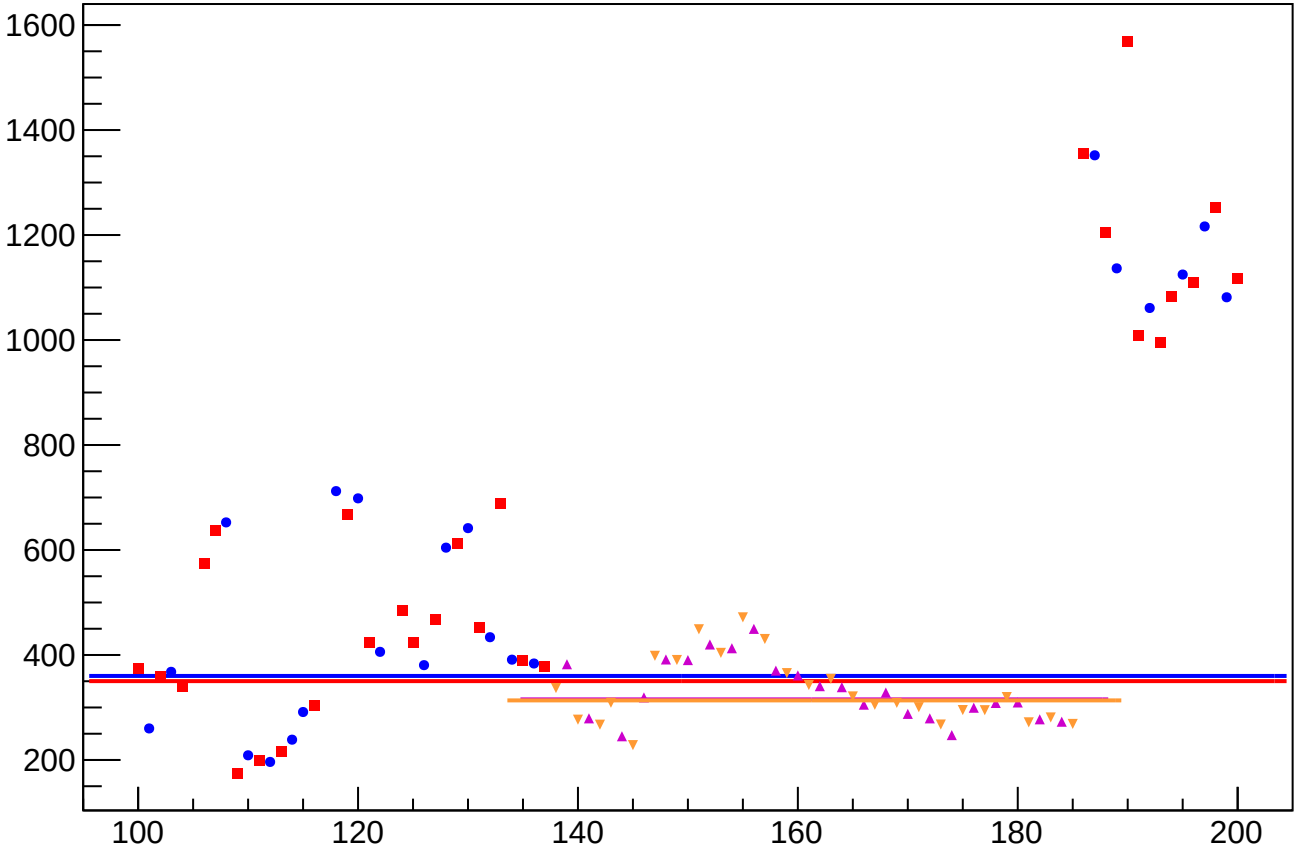
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -260.020+/-62.740 χ^2/NDF: 85.0/46

All: -183.759+/-44.441 χ^2/NDF: 141.2/97

- sign -106.961+/-62.960 χ^2/NDF: 53.2/50

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 360.085+/-0.088 χ^2/NDF: 6305388.0/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 350.208+/-0.082 χ^2/NDF: 8879430.2/27

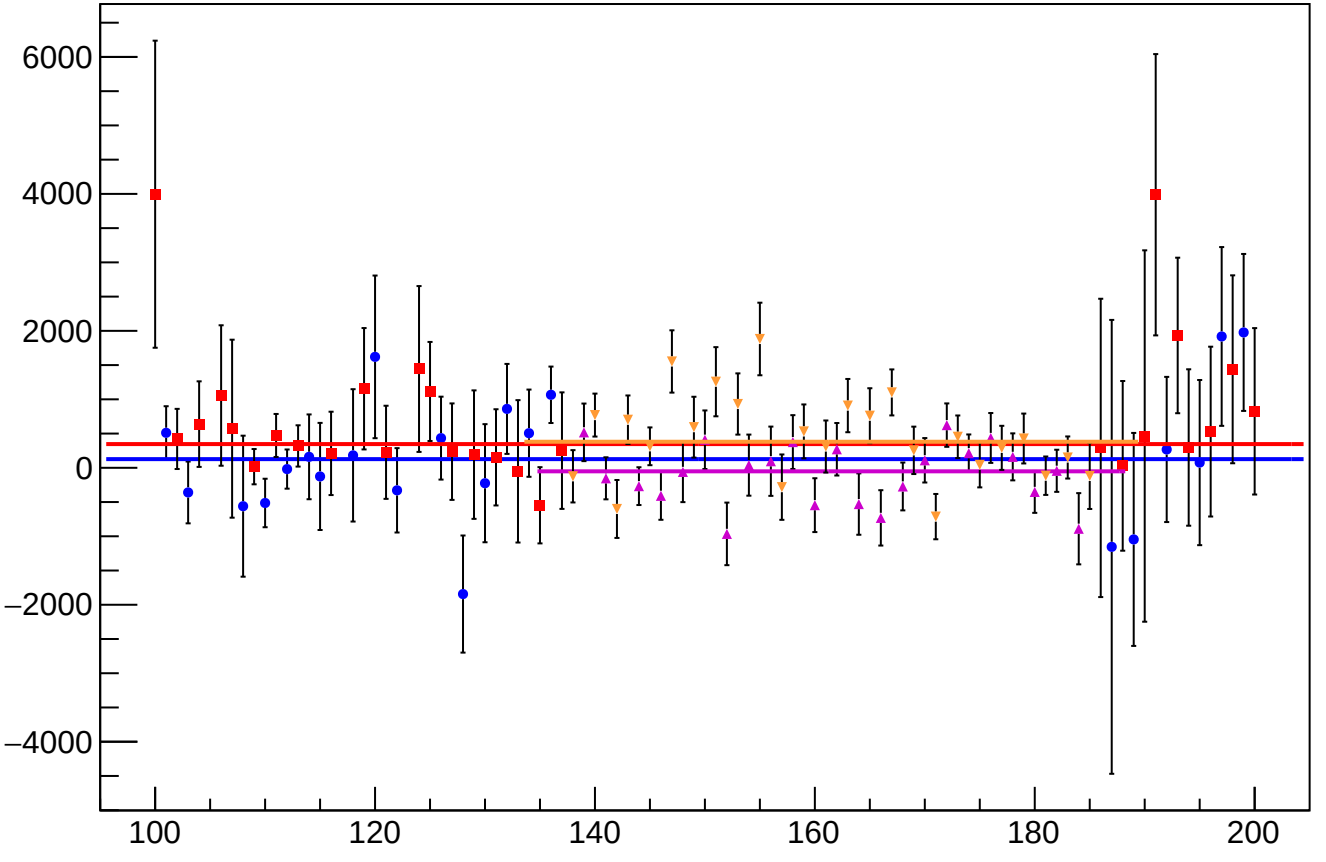
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 325.235+/-0.044 χ^2/NDF: 7688710.0/46

All: 325.442+/-0.031 χ^2/NDF: 17703023.2/97

- sign 325.650+/-0.045 χ^2/NDF: 10014269.5/50

asym_sam7_mean vs Slug



Right In: 126.729+/-128.157 χ^2/NDF: 26.1/21

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 346.414+/-119.728 χ^2/NDF: 16.9/27

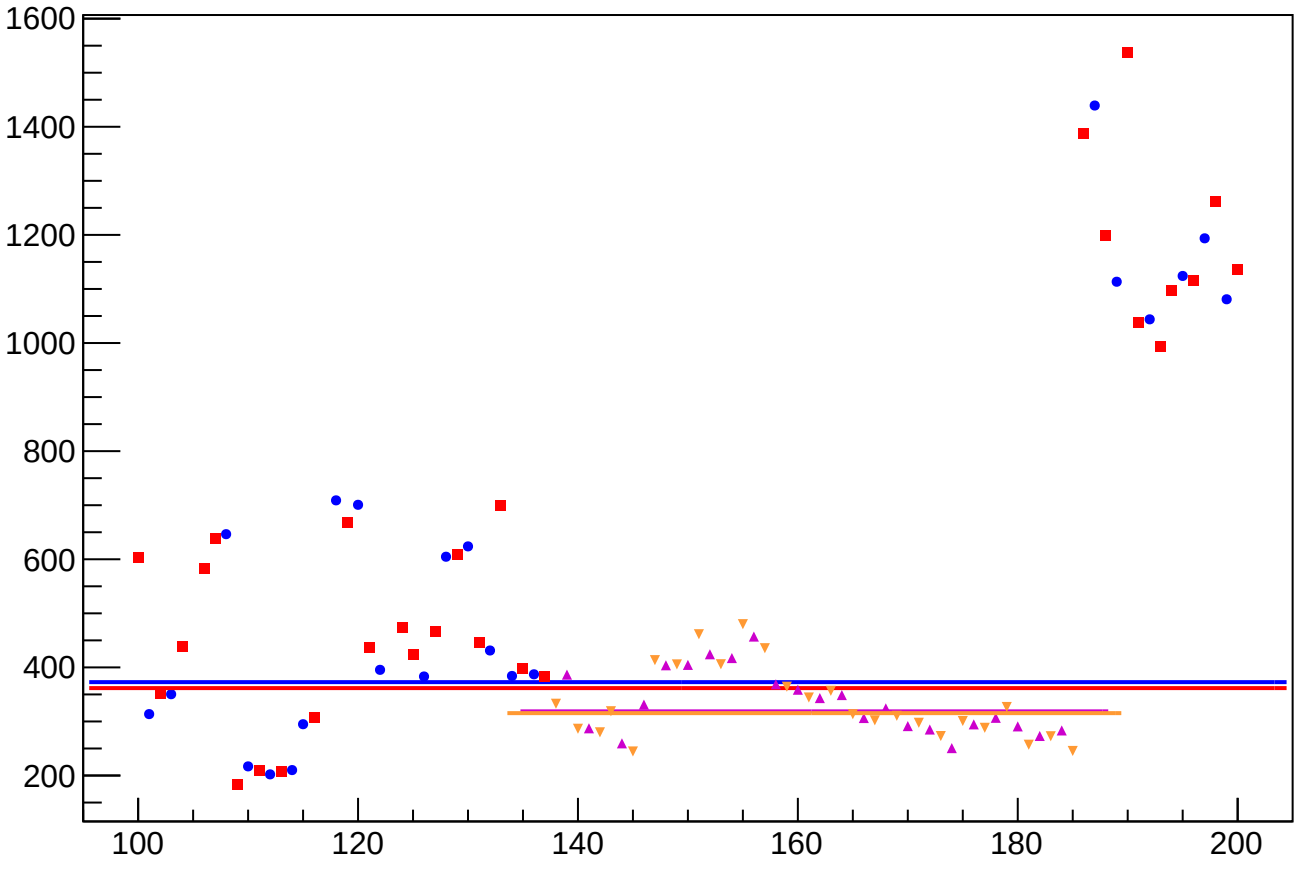
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 318.353+/-63.468 χ^2/NDF: 84.5/46

All: 191.131+/-45.045 χ^2/NDF: 145.6/97

- sign 62.008+/-63.941 χ^2/NDF: 53.0/50

asym_sam7_rms vs Slug



Right In: 372.742+/-0.091 χ^2/NDF: 5976422.0/21

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

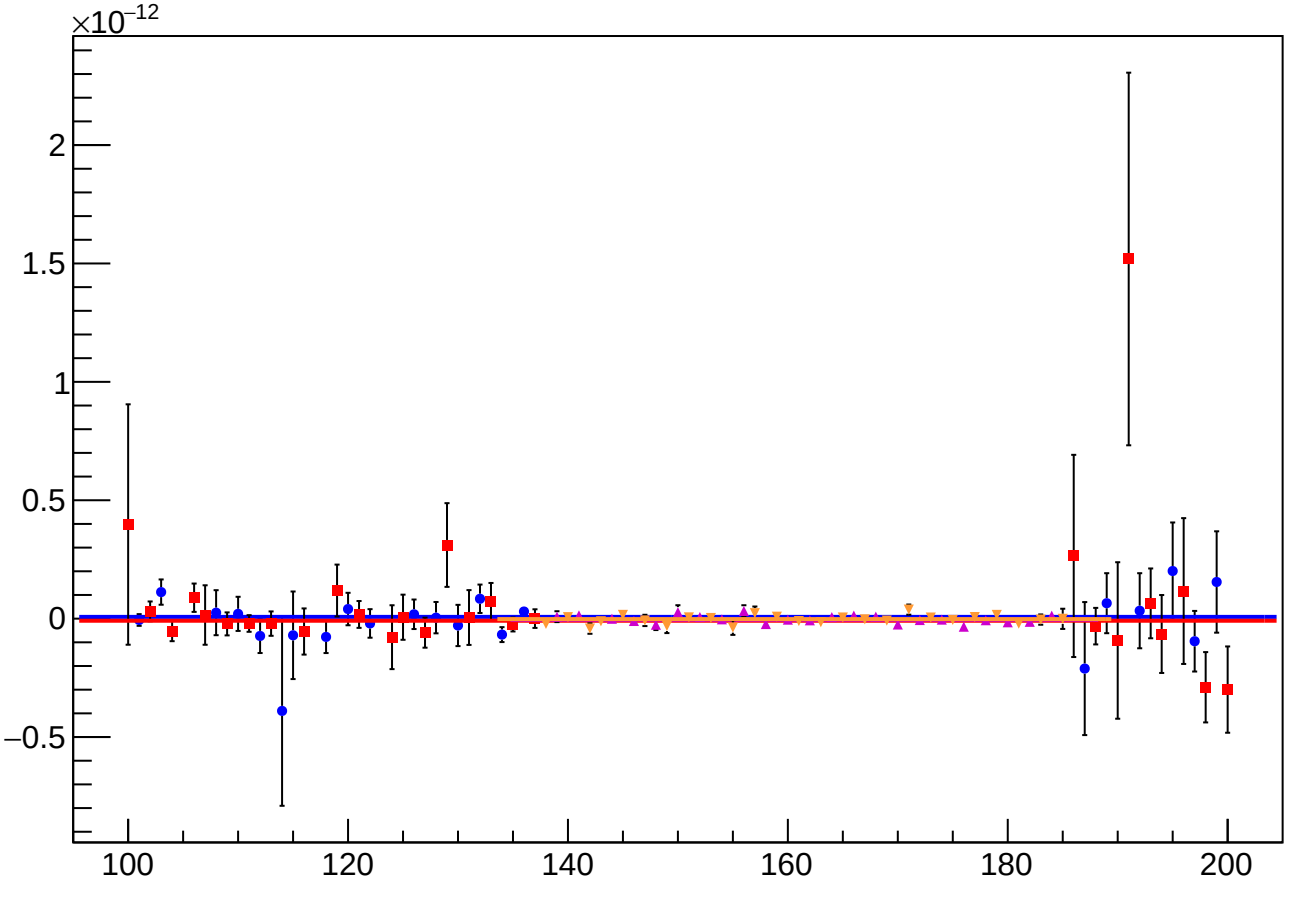
Right Out: 361.705+/-0.085 χ^2/NDF: 8742574.7/27

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 329.461+/-0.045 χ^2/NDF: 7488772.1/46

All: 330.203+/-0.032 χ^2/NDF: 17408042.5/97

- sign 330.957+/-0.045 χ^2/NDF: 9918718.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/27

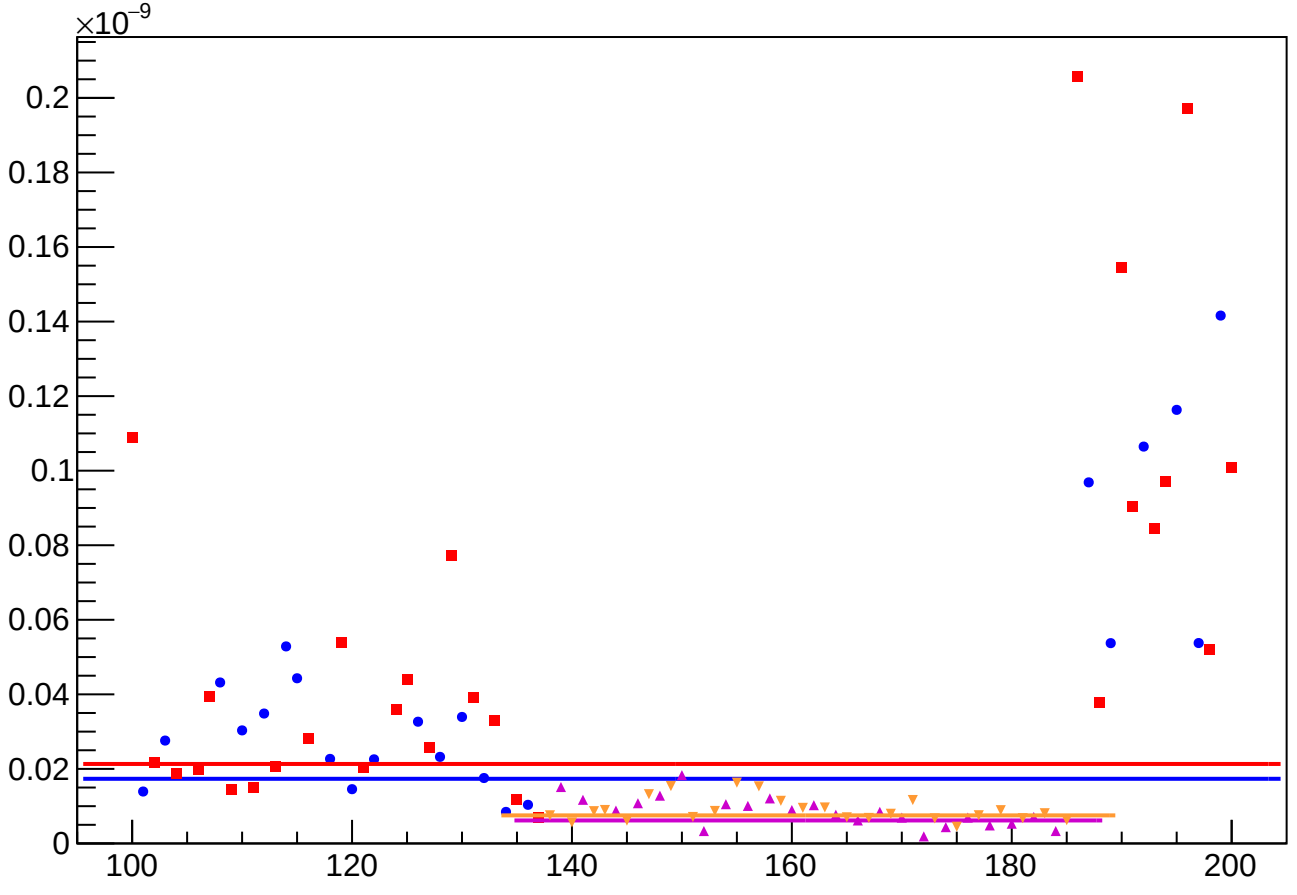
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.2/46

All: -0.000+/-0.000 χ^2/NDF: 82.6/97

- sign -0.000+/-0.000 χ^2/NDF: 41.6/50

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3471637.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4032444.2/27

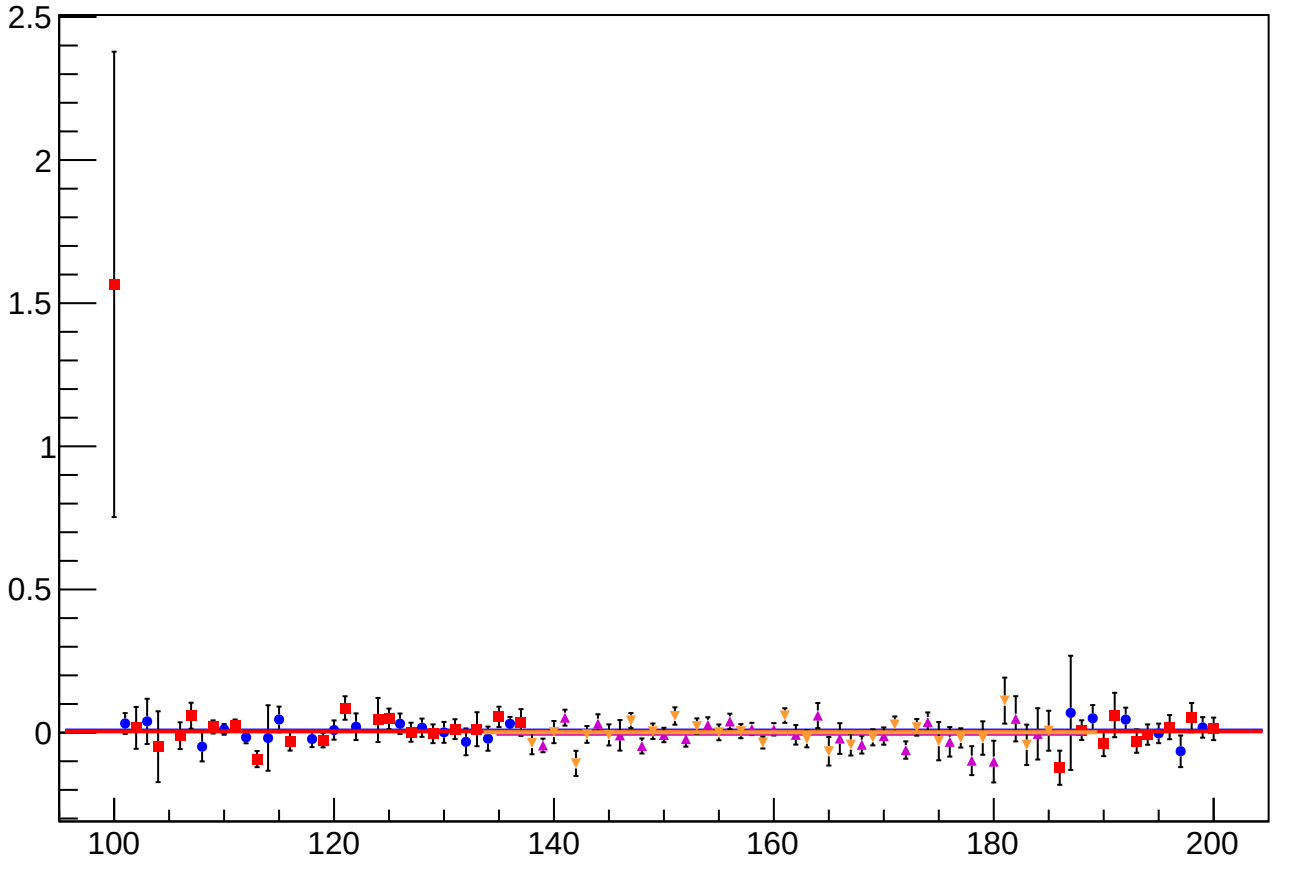
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6193876.1/46

All: 0.000+/-0.000 χ^2/NDF: 15992764.0/97

- sign 0.000+/-0.000 χ^2/NDF: 9604897.8/50

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/27

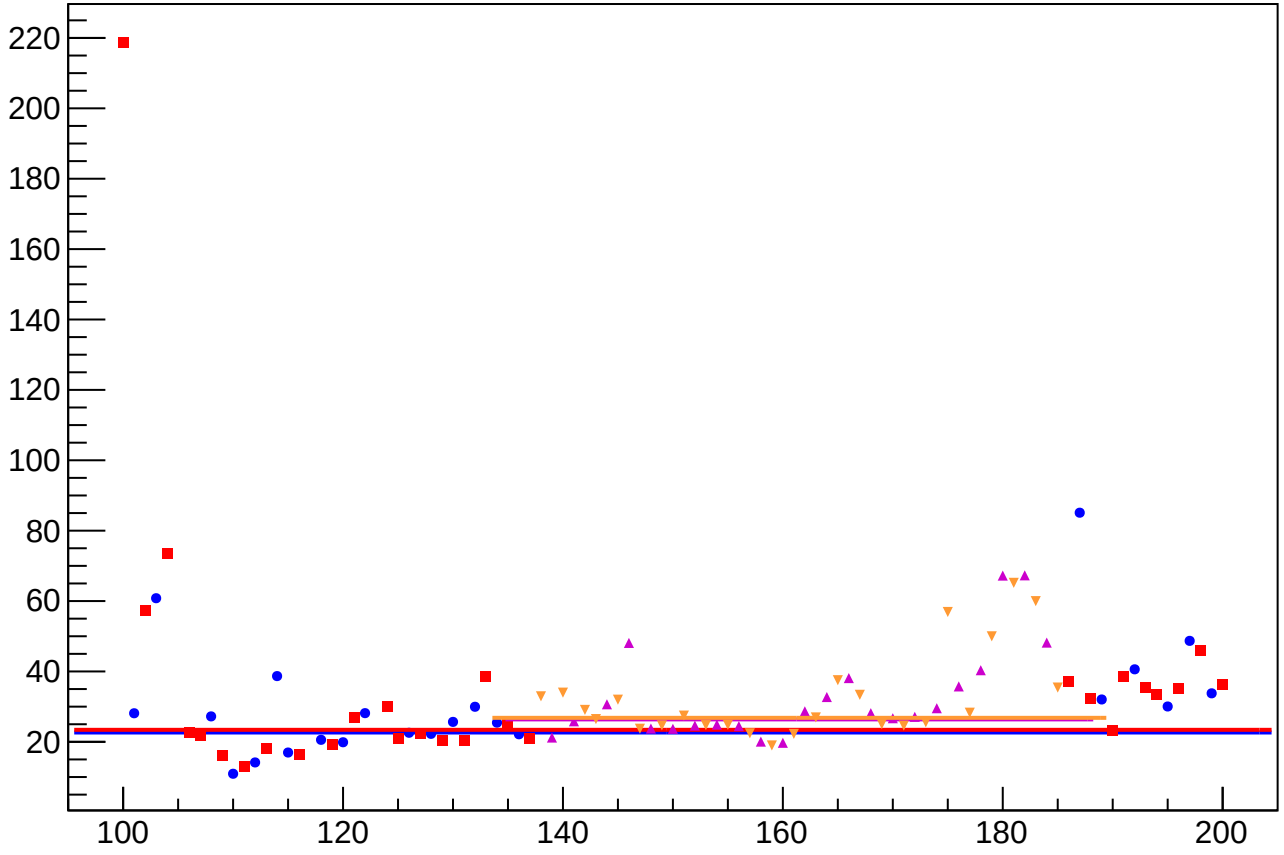
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.4/97

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

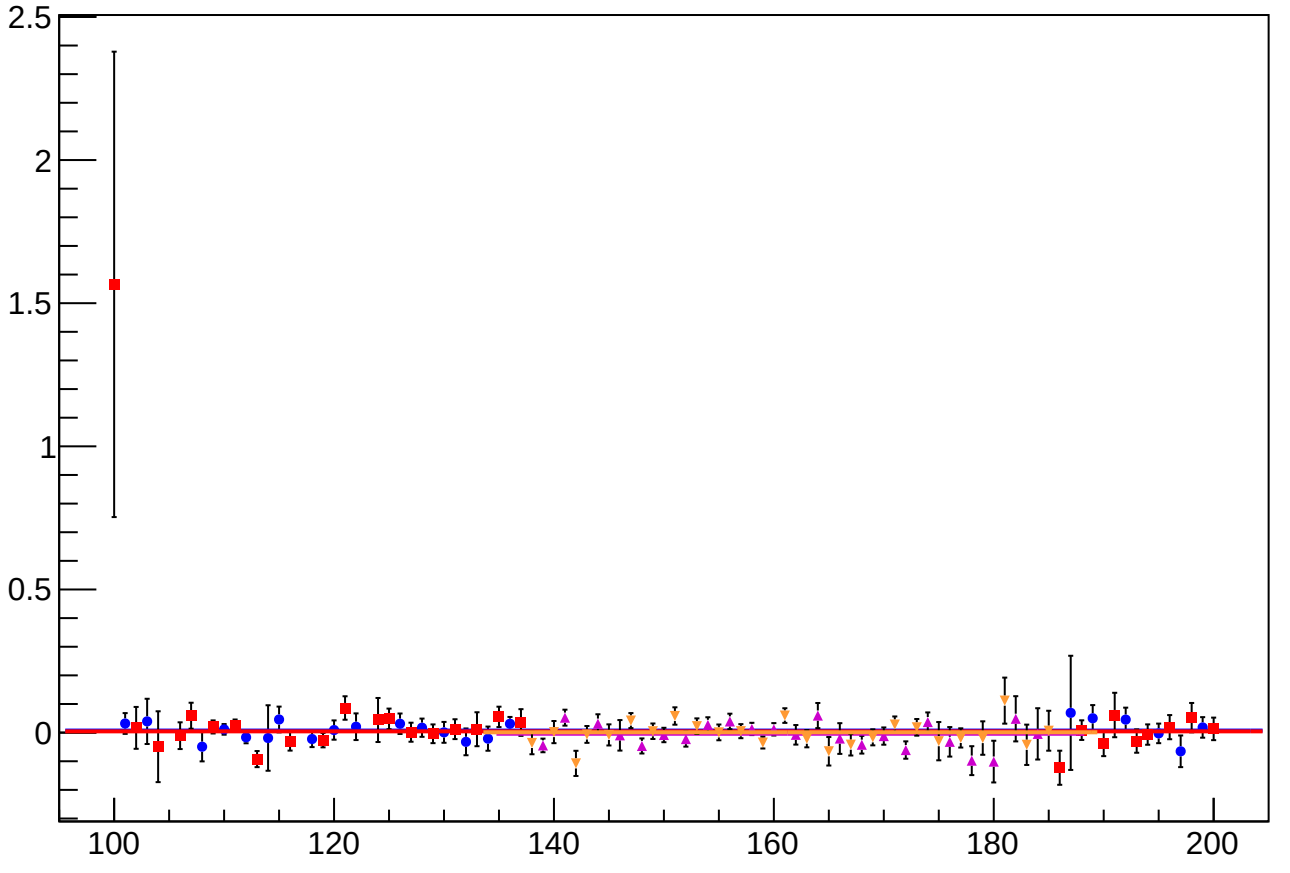
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

\+ sign 25.022+/-0.003 χ^2/NDF: 6056241.9/46

All: 25.007+/-0.002 χ^2/NDF: 12300132.2/97

\- sign 24.993+/-0.003 χ^2/NDF: 6243855.6/50

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/27

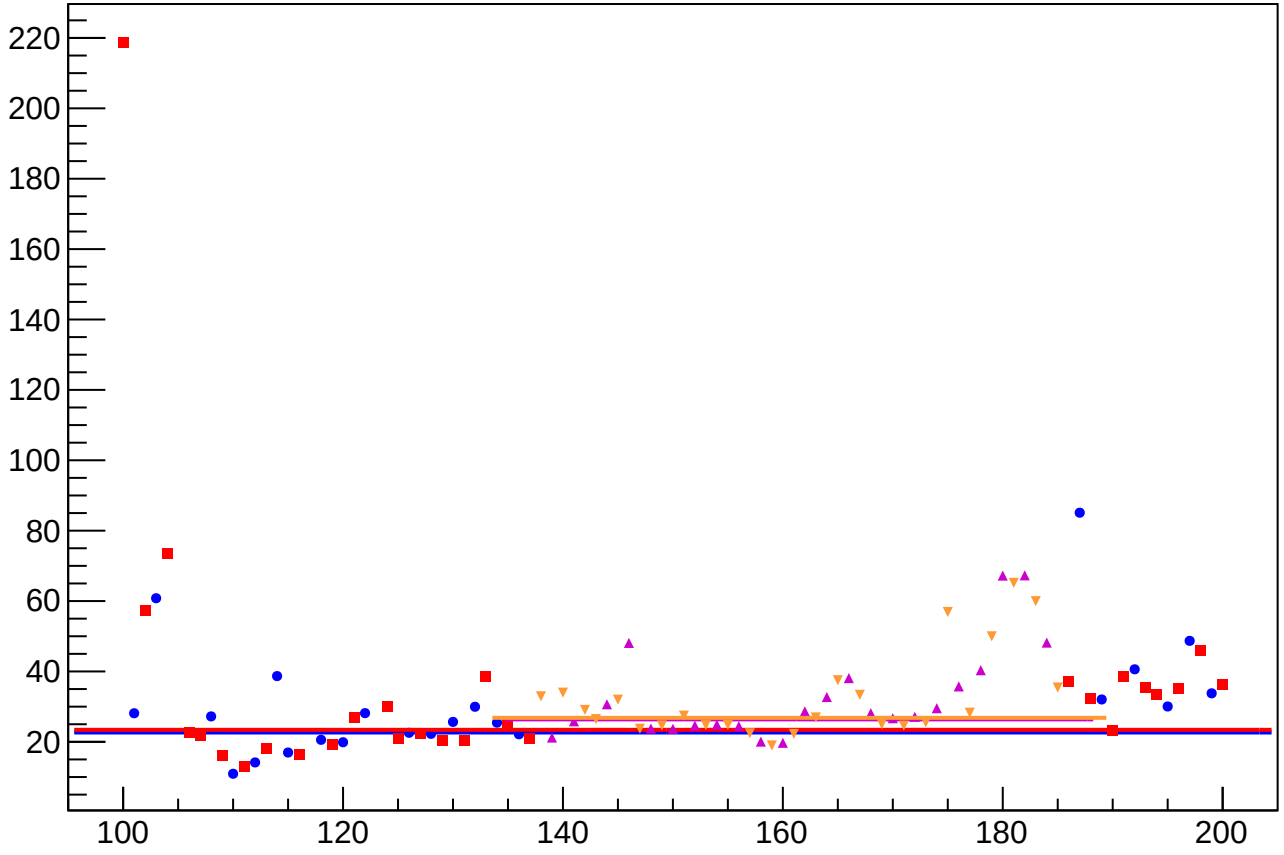
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.4/97

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

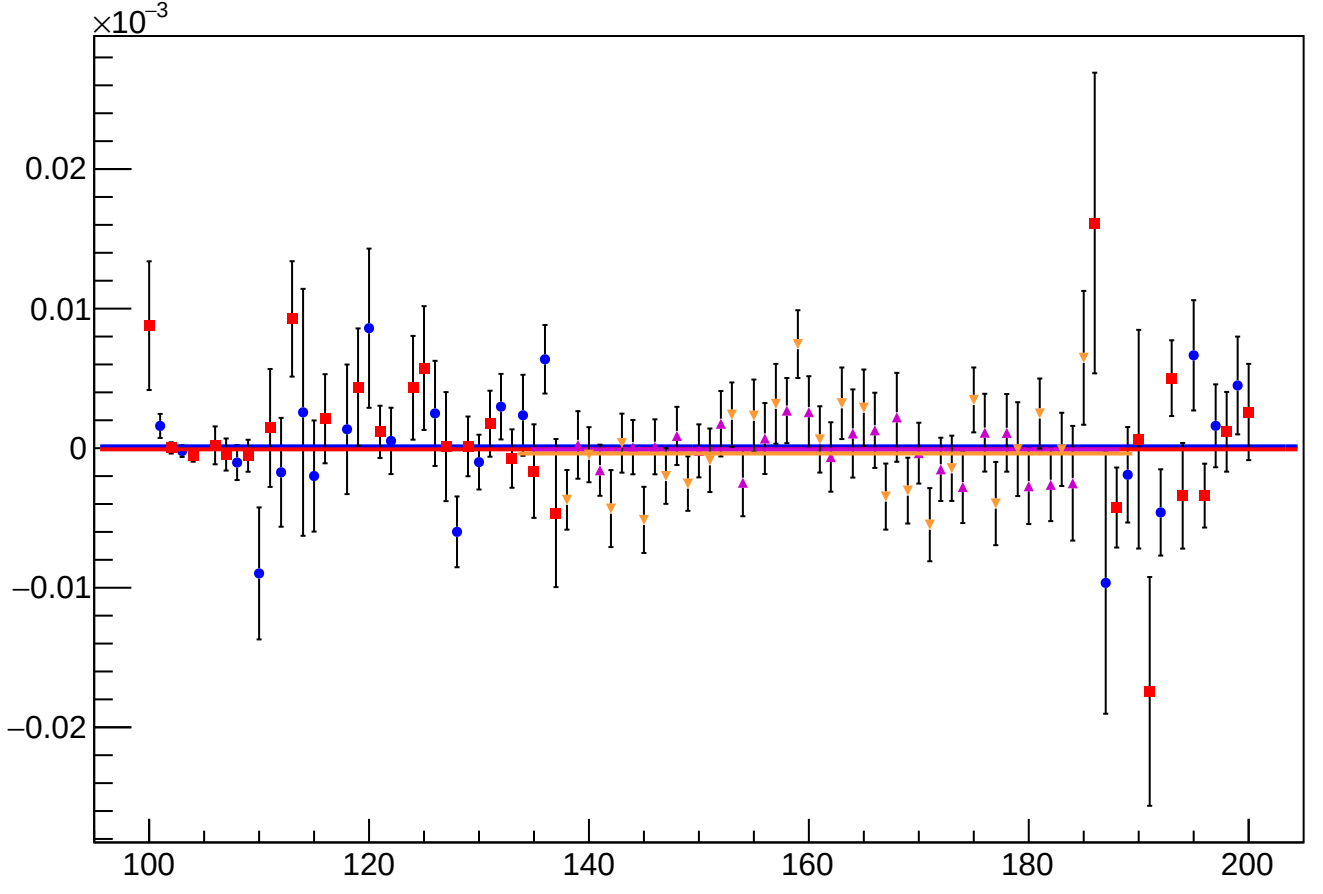
Right Out: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.022+/-0.003 χ^2/NDF: 6056241.9/46

All: 25.007+/-0.002 χ^2/NDF: 12300132.2/97

- sign 24.993+/-0.003 χ^2/NDF: 6243855.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/27

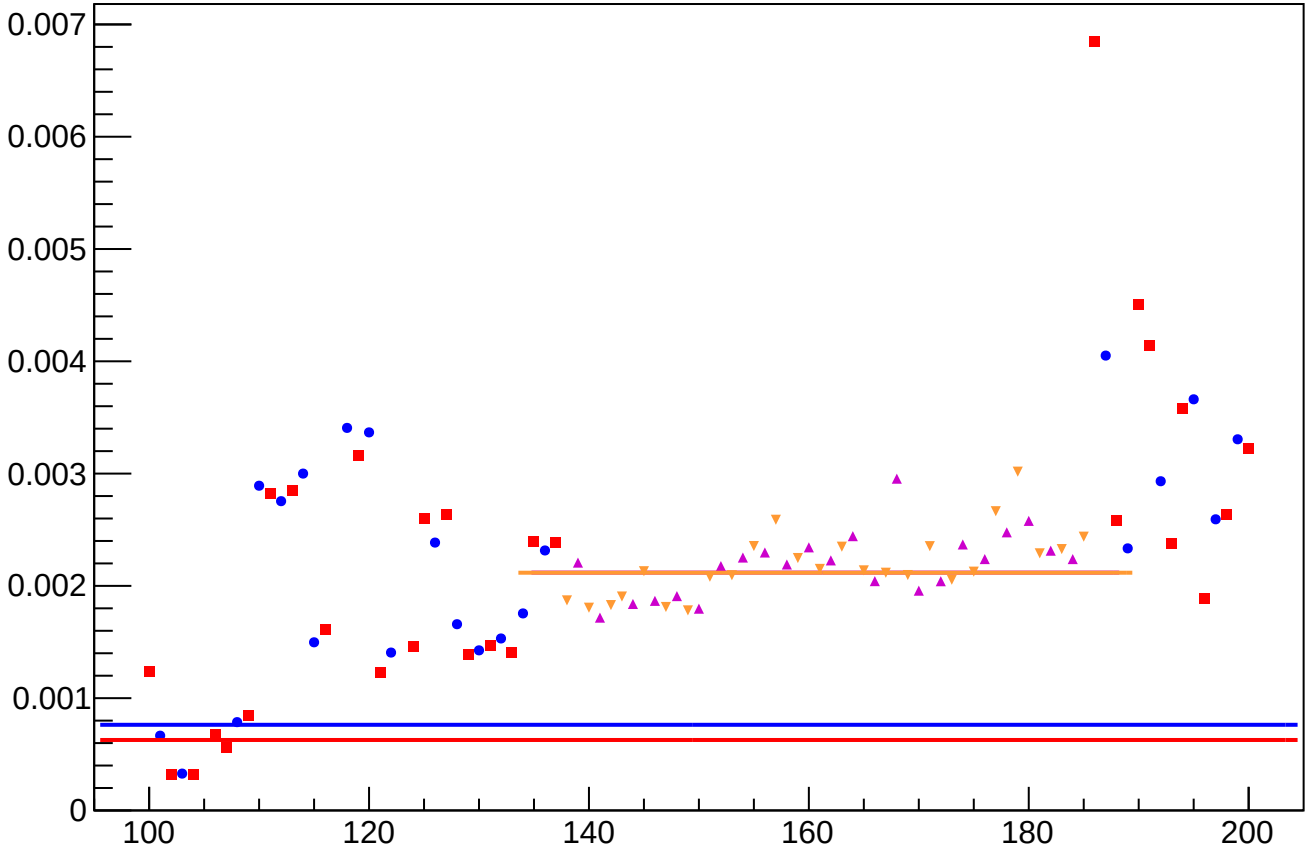
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.2/46

All: -0.000+/-0.000 χ^2/NDF: 121.6/97

- sign -0.000+/-0.000 χ^2/NDF: 43.4/50

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11121421.7/21

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14232284.5/27

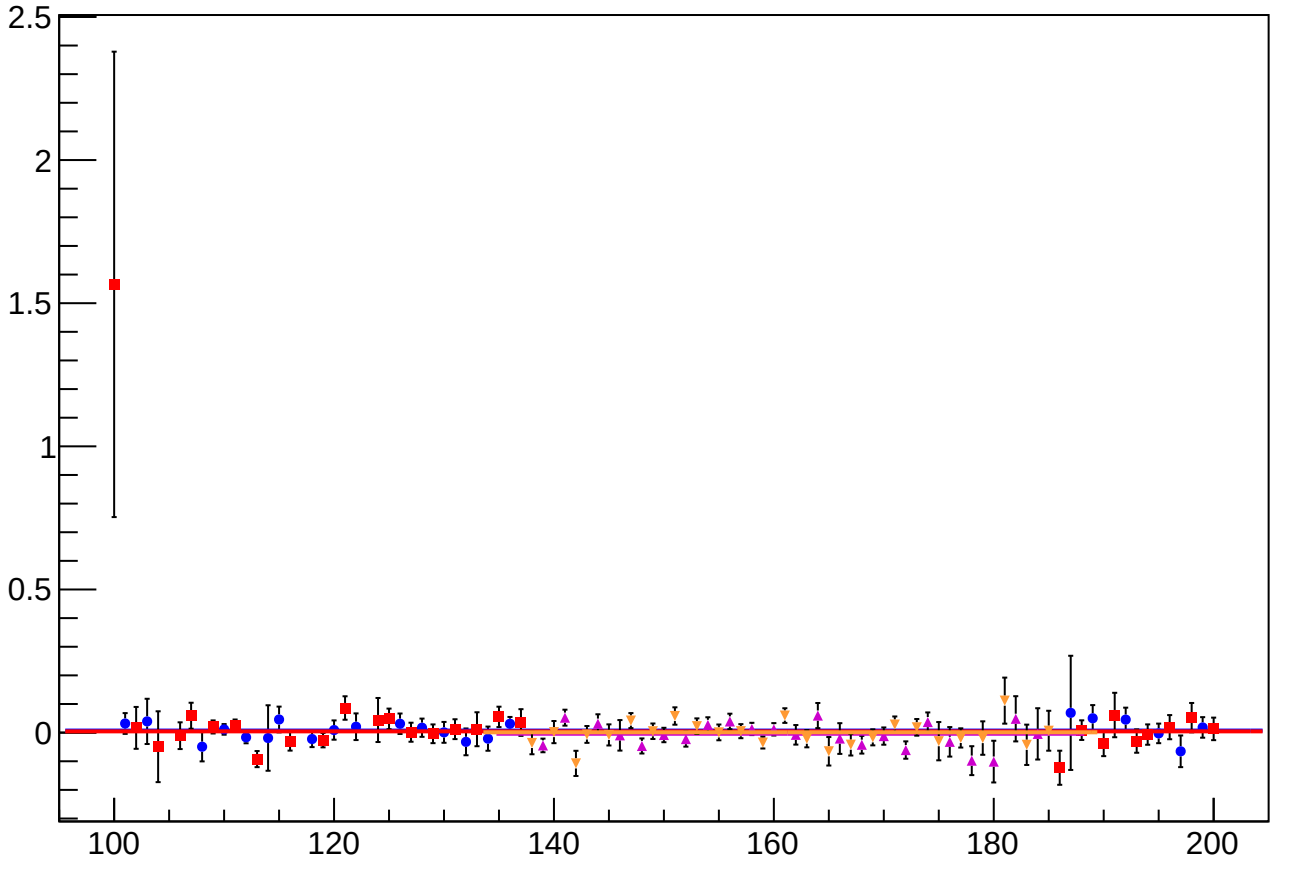
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 22415610.2/46

All: 0.001+/-0.000 χ^2/NDF: 52353647.4/97

- sign 0.001+/-0.000 χ^2/NDF: 28944979.0/50

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/27

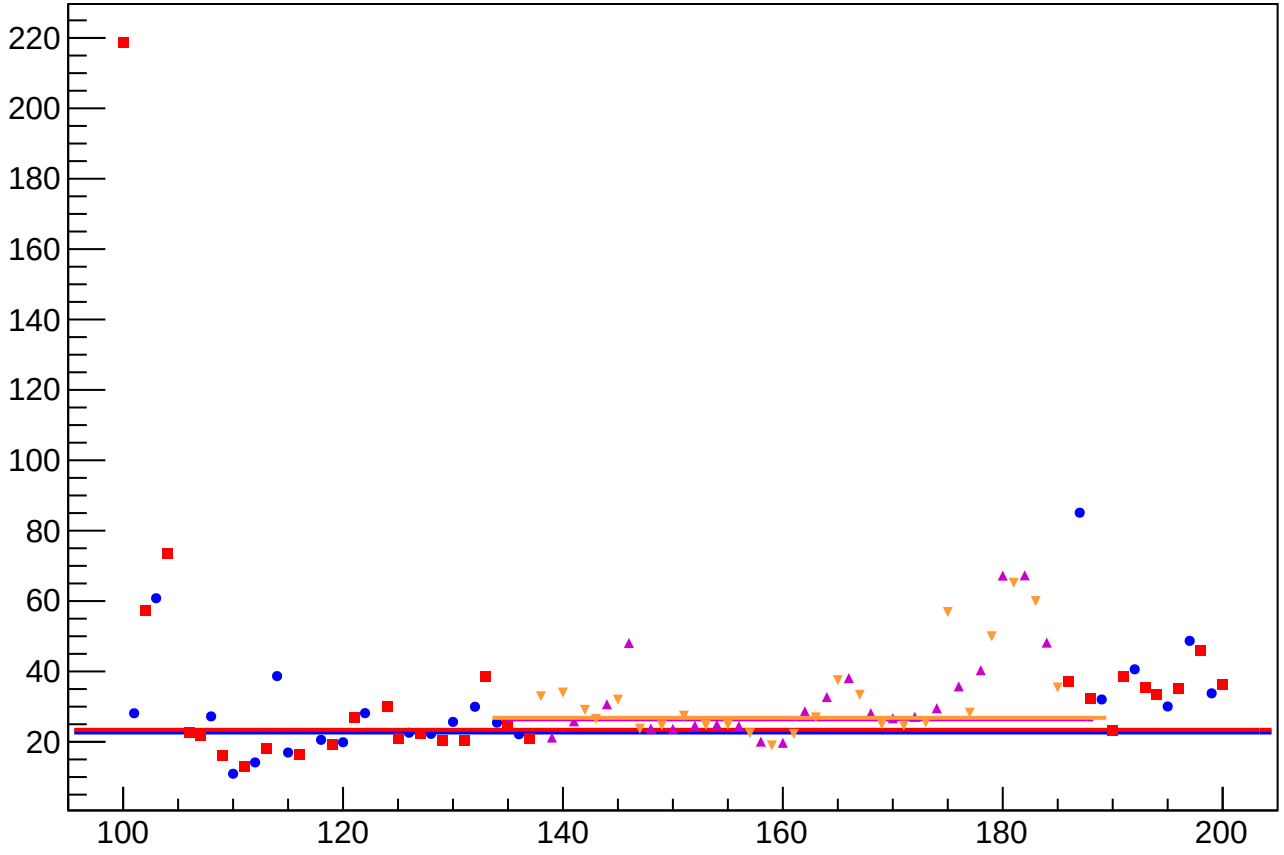
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/97

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

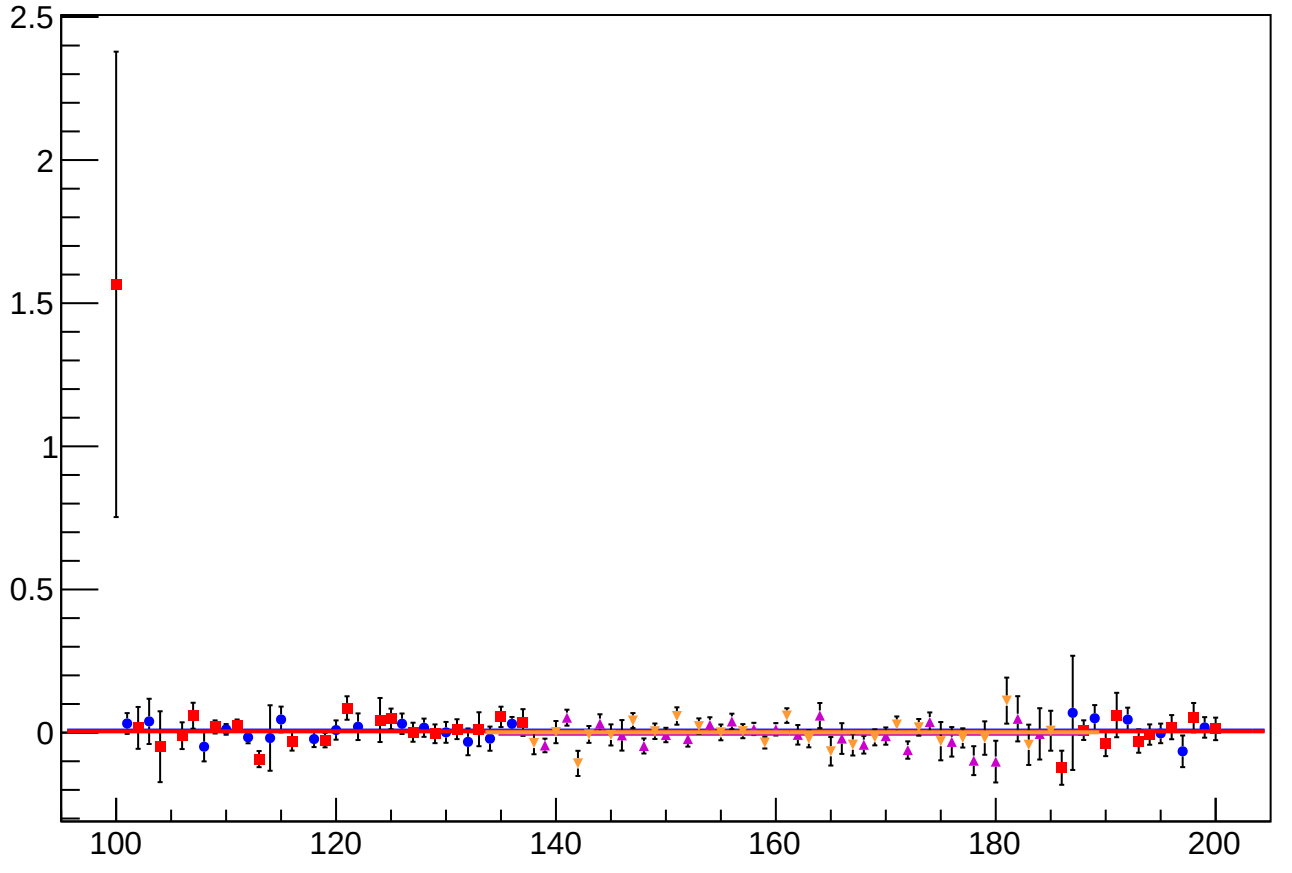
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.022+/-0.003 χ^2/NDF: 6055957.3/46

All: 25.007+/-0.002 χ^2/NDF: 12299687.3/97

- sign 24.993+/-0.003 χ^2/NDF: 6243694.7/50

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

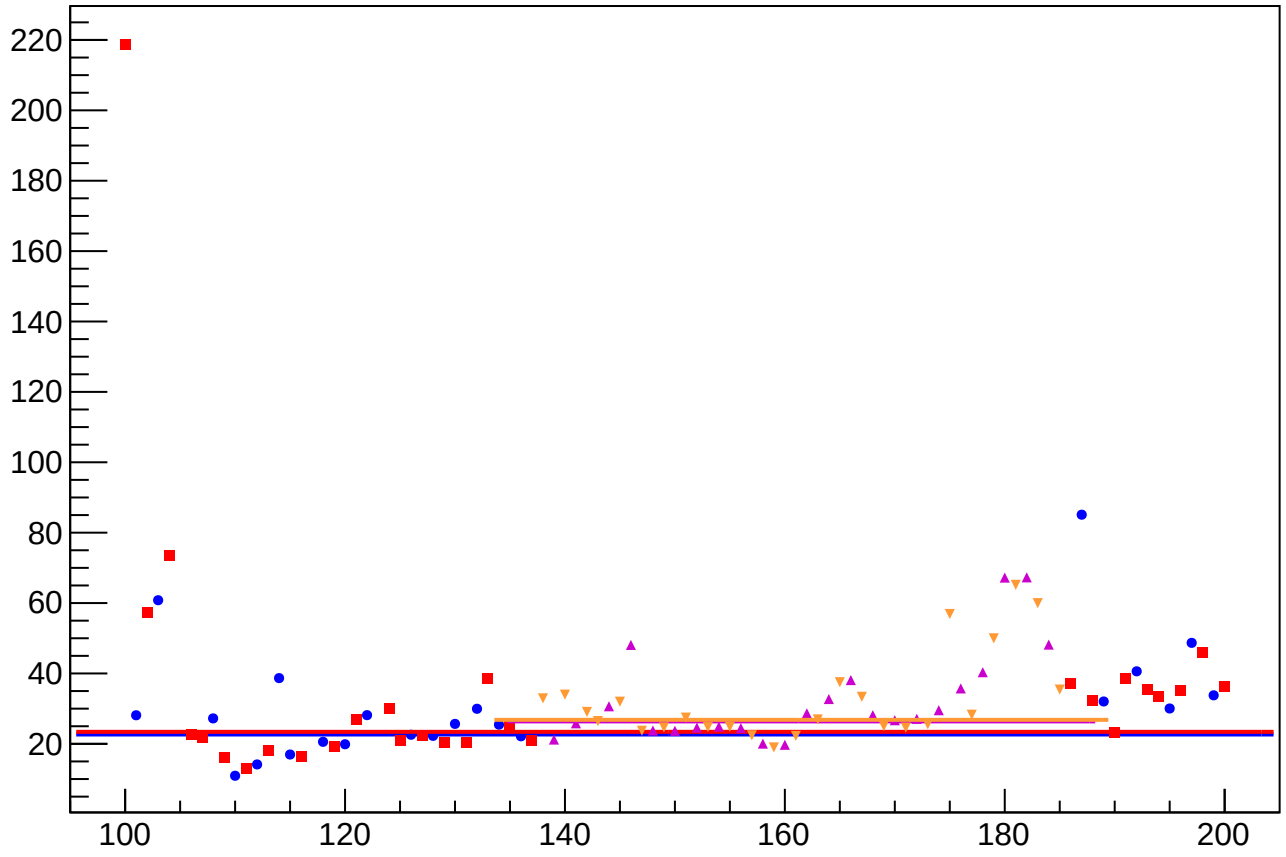
Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/27

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/97

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

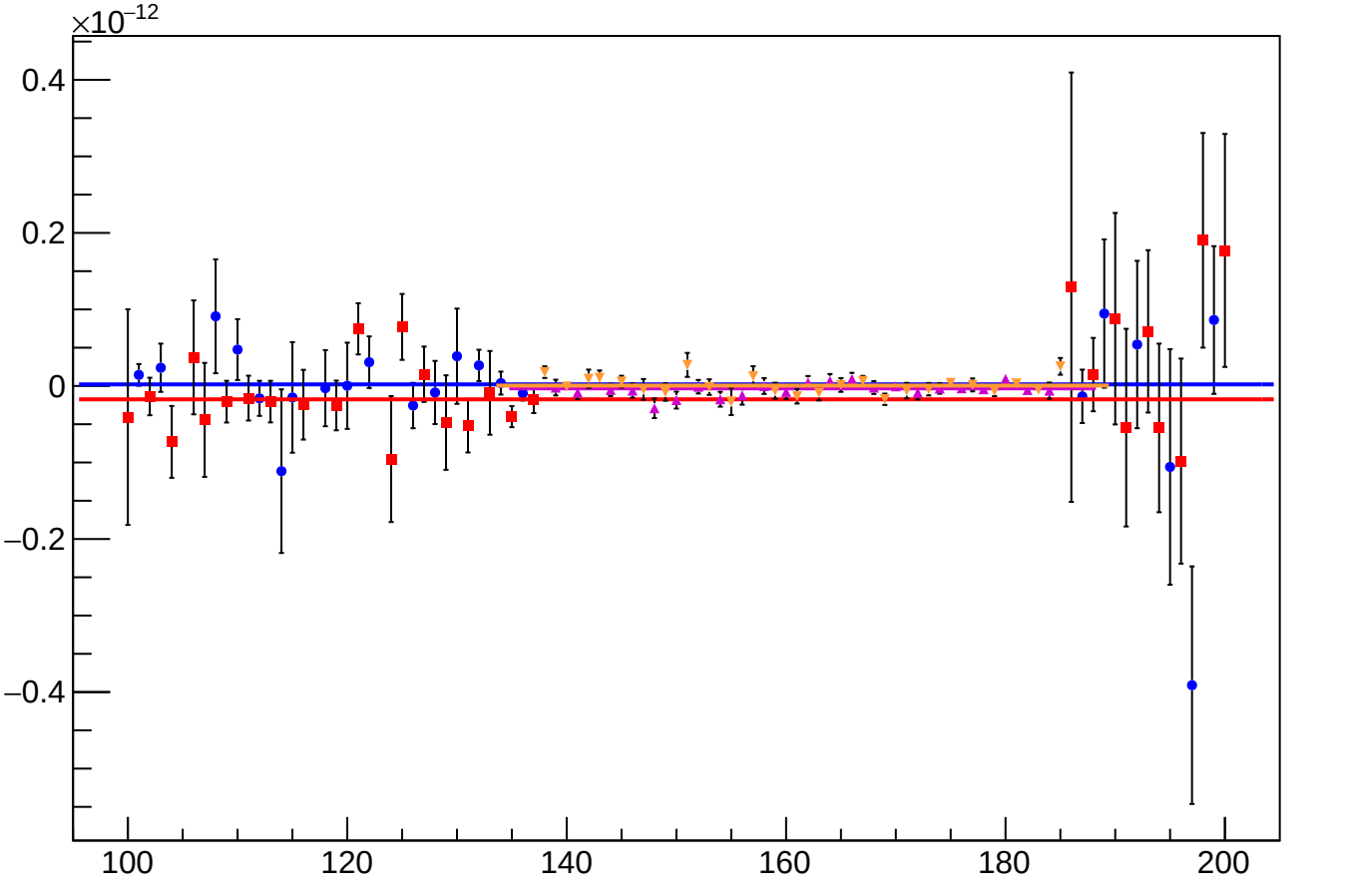
Right Out: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.022+/-0.003 χ^2/NDF: 6055957.3/46

All: 25.007+/-0.002 χ^2/NDF: 12299687.3/97

- sign 24.993+/-0.003 χ^2/NDF: 6243694.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/27

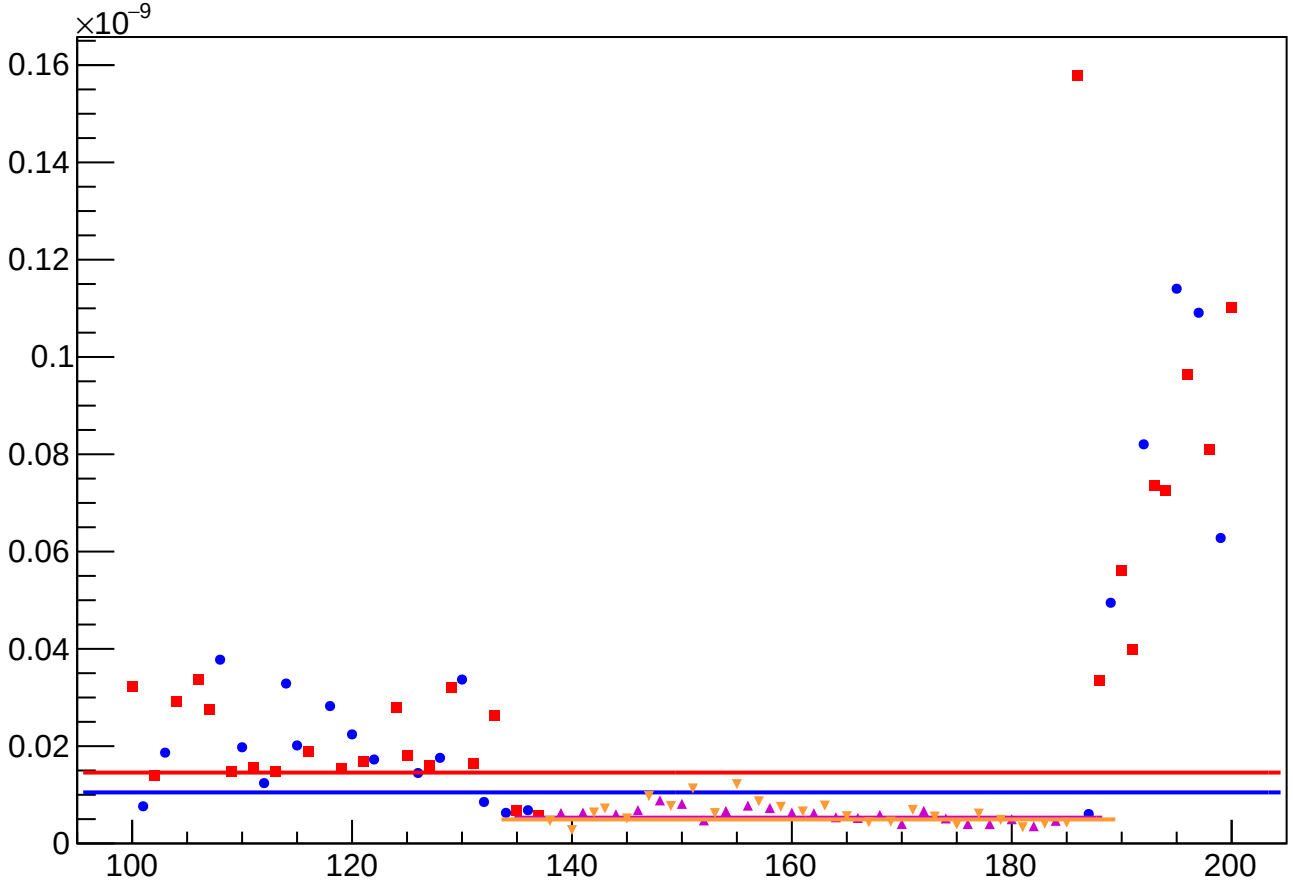
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/46

All: -0.000+/-0.000 χ^2/NDF: 106.6/97

- sign -0.000+/-0.000 χ^2/NDF: 49.9/50

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5517183.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6176950.2/27

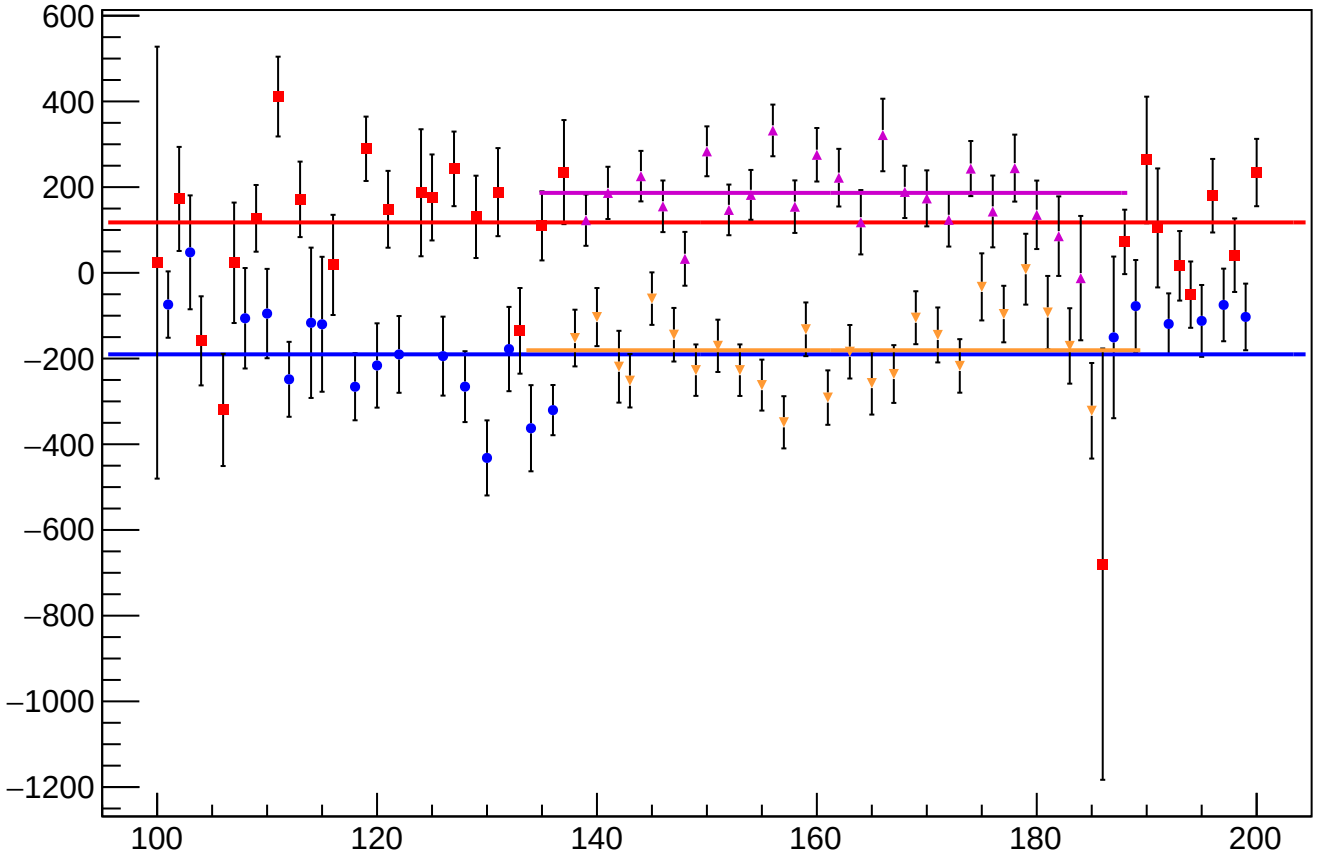
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10085849.4/46

All: 0.000+/-0.000 χ^2/NDF: 21002962.9/97

- sign 0.000+/-0.000 χ^2/NDF: 10826915.2/50

reg_asym_sam8_mean vs Slug



Right In: -190.194+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 117.658+/-18.601 χ^2/NDF: 59.5/27

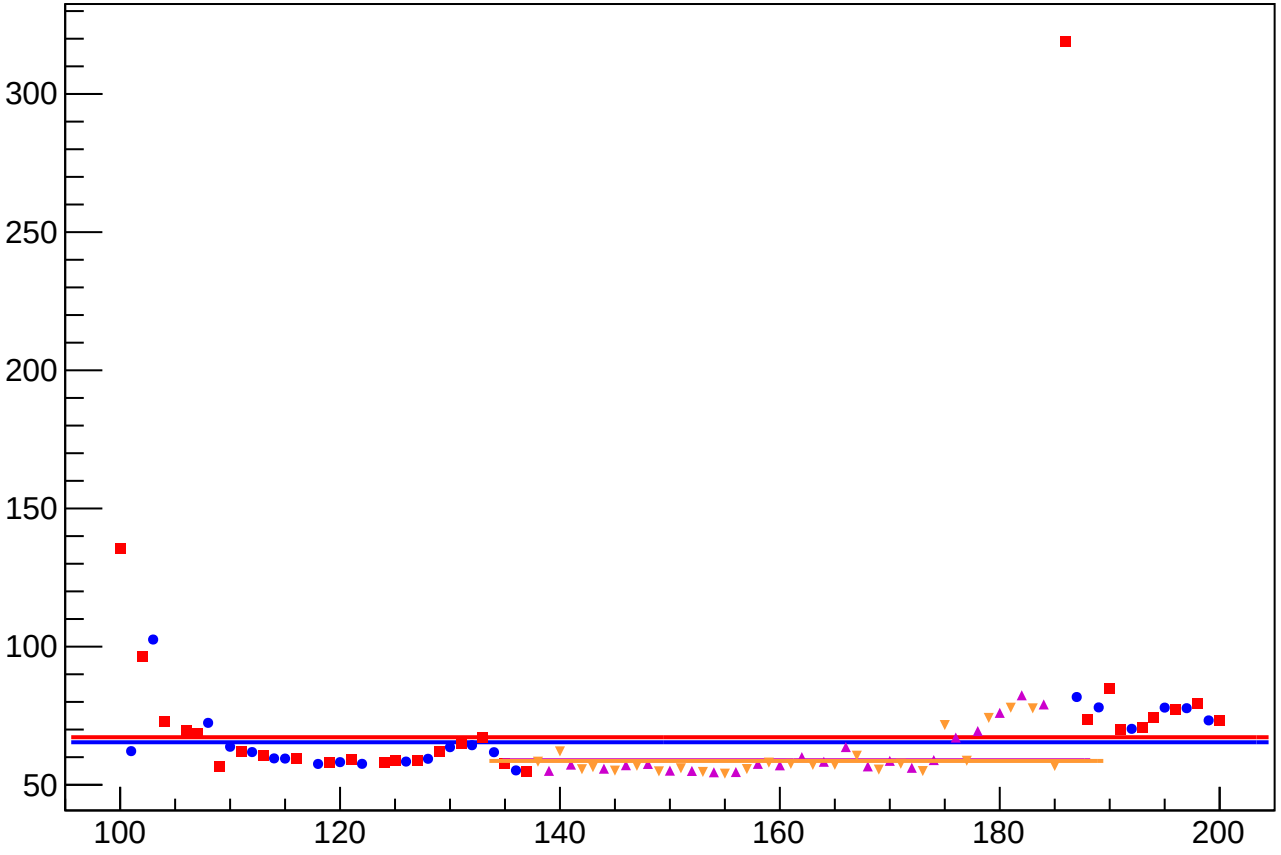
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.741+/-11.054 χ^2/NDF: 69.8/46

All: -11.813+/-7.838 χ^2/NDF: 653.5/97

- sign 161.967+/-11.114 χ^2/NDF: 97.3/50

reg_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467693.2/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.223+/-0.013 χ^2/NDF: 1009604.8/27

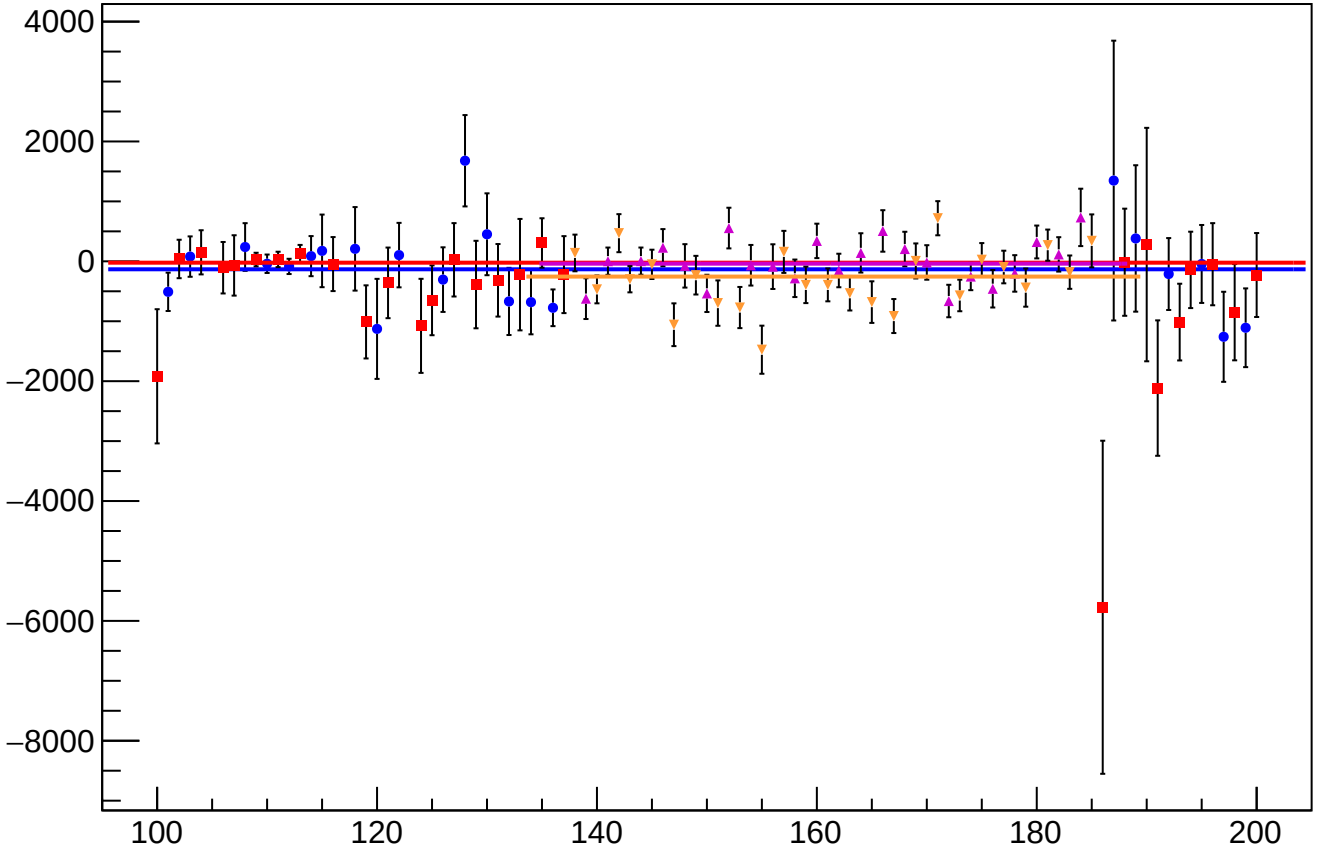
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024394.0/46

All: 61.342+/-0.006 χ^2/NDF: 2687067.8/97

- sign 61.875+/-0.008 χ^2/NDF: 1653511.2/50

asym_sam8_reg_correction_mean vs Slug



Right In: -133.075+/-74.074 χ^2/NDF: 23.6/21

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -22.751+/-62.293 χ^2/NDF: 23.1/27

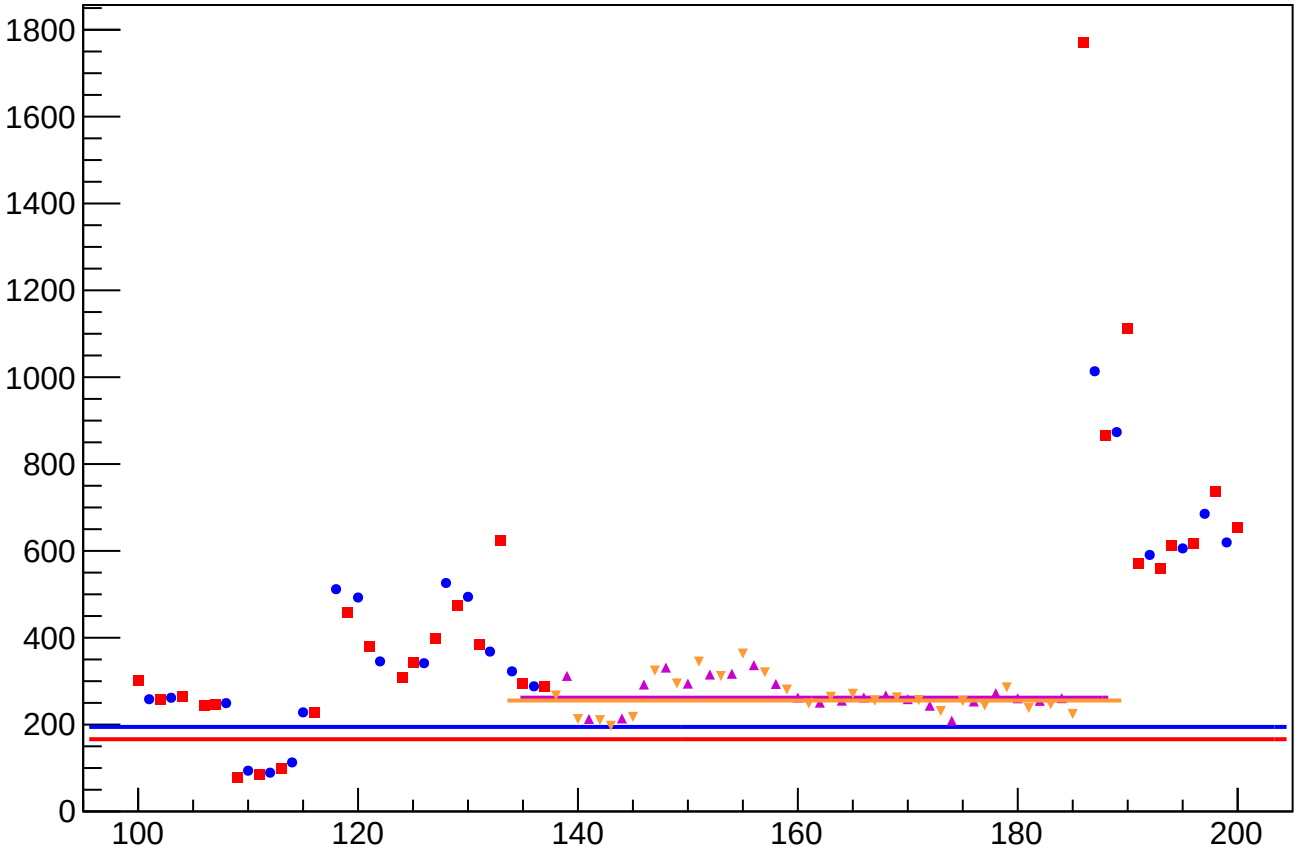
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -207.567+/-46.091 χ^2/NDF: 82.9/46

All: -114.993+/-31.789 χ^2/NDF: 142.1/97

- sign -31.003+/-43.902 χ^2/NDF: 51.5/50

asym_sam8_reg_correction_rms vs Slug



Right In: 194.646+/-0.052 χ^2/NDF: 9006658.1/21

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 166.358+/-0.044 χ^2/NDF: 12707887.3/27

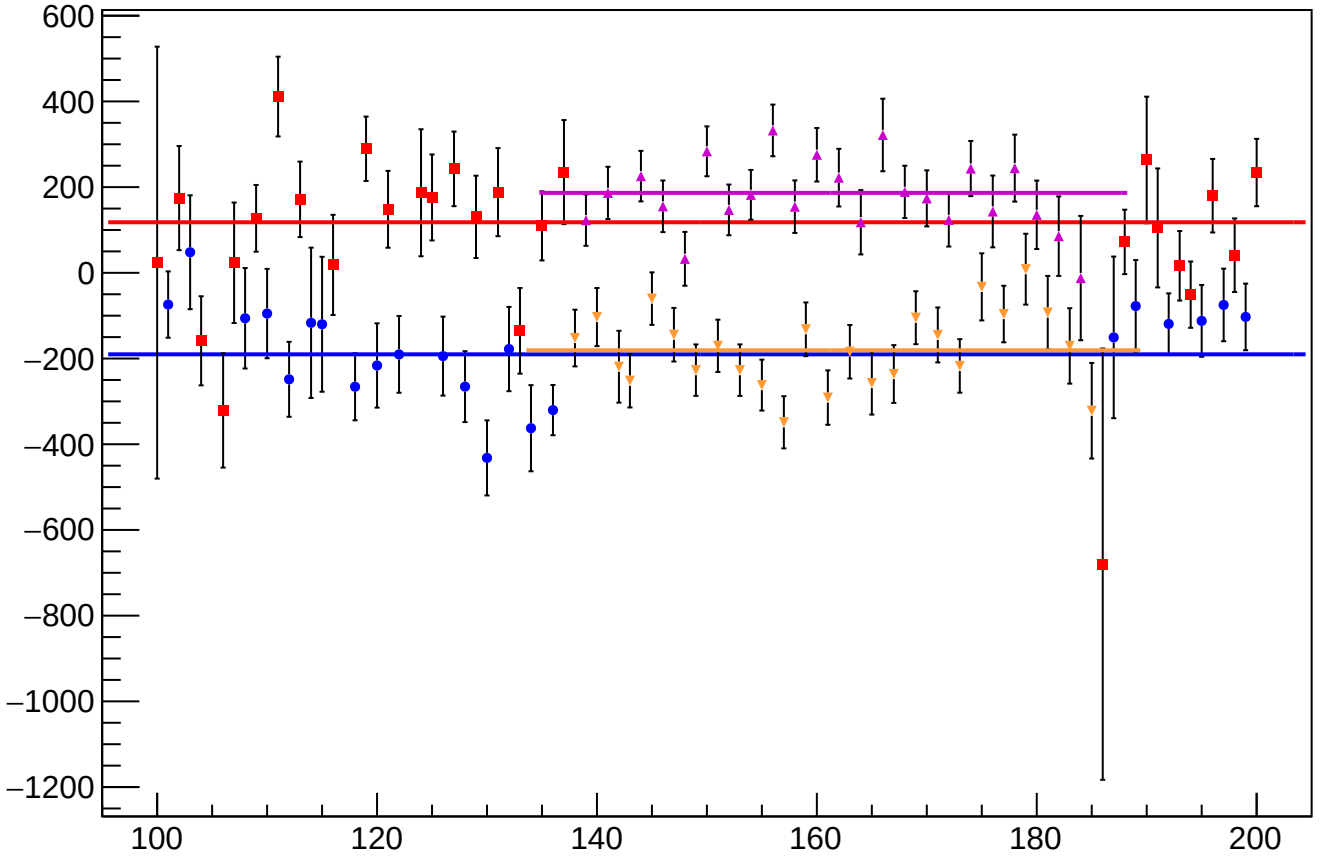
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696902.2/46

All: 222.786+/-0.022 χ^2/NDF: 26598444.5/97

- sign 214.498+/-0.031 χ^2/NDF: 15751710.6/50

cor_asym_sam8_mean vs Slug



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 117.998+/-18.608 χ^2/NDF: 59.1/27

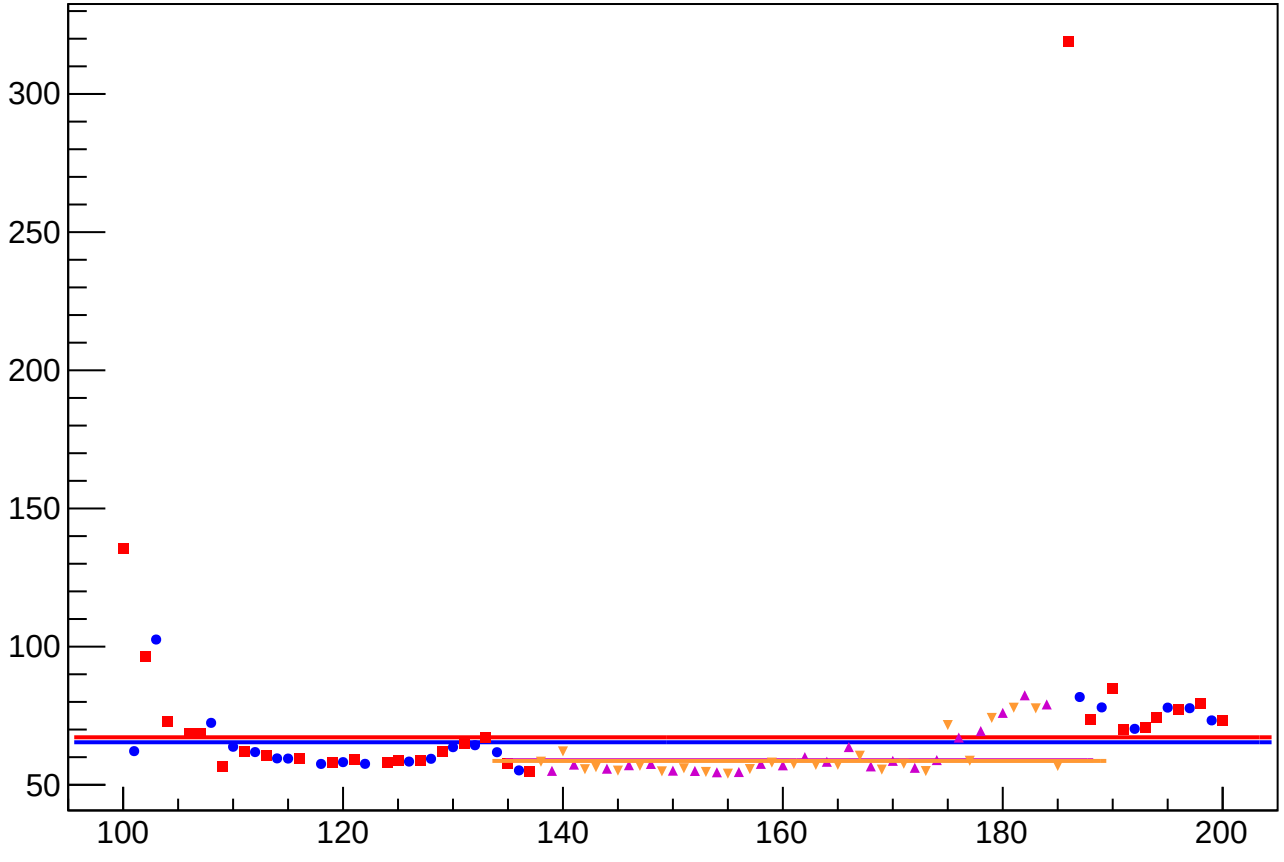
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.737+/-11.054 χ^2/NDF: 69.8/46

All: -11.768+/-7.838 χ^2/NDF: 653.4/97

- sign 162.100+/-11.115 χ^2/NDF: 96.9/50

cor_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

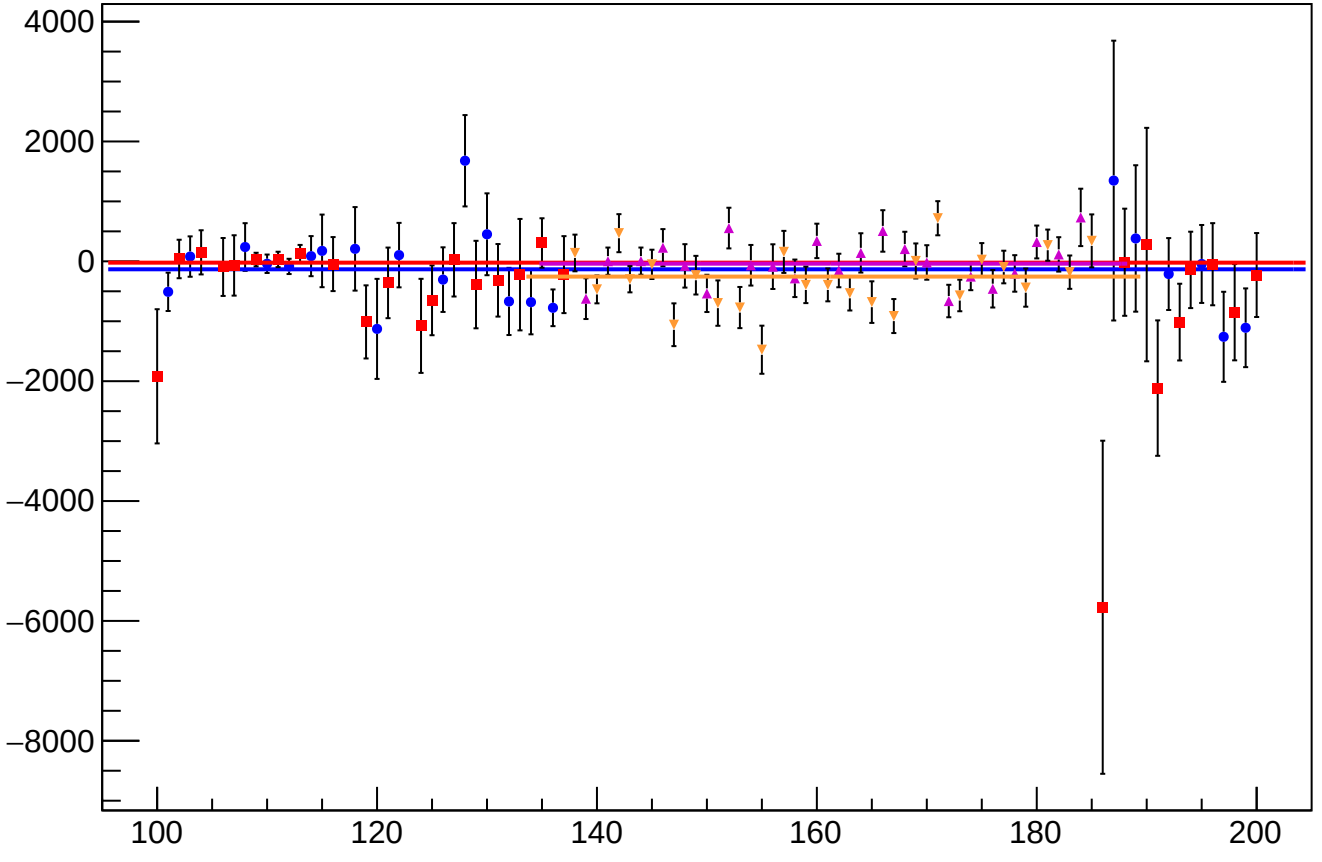
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024396.5/46

All: 61.337+/-0.006 χ^2/NDF: 2684968.5/97

- sign 61.865+/-0.008 χ^2/NDF: 1651583.2/50

asym_sam8_cor_correction_mean vs Slug



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -22.190+/-62.434 χ^2/NDF: 23.1/27

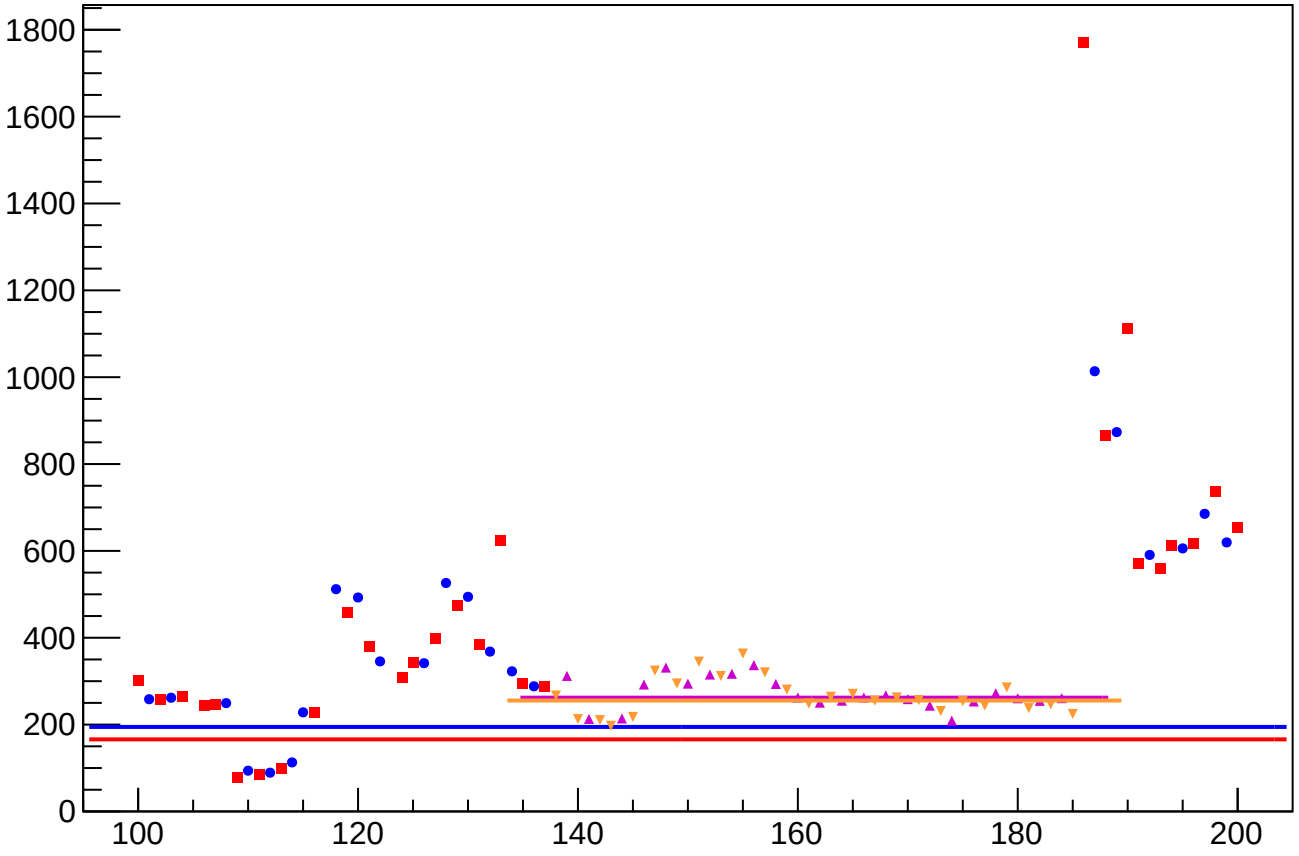
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.559+/-46.091 χ^2/NDF: 82.9/46

All: -114.951+/-31.808 χ^2/NDF: 142.1/97

- sign -30.742+/-43.951 χ^2/NDF: 51.5/50

asym_sam8_cor_correction_rms vs Slug



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

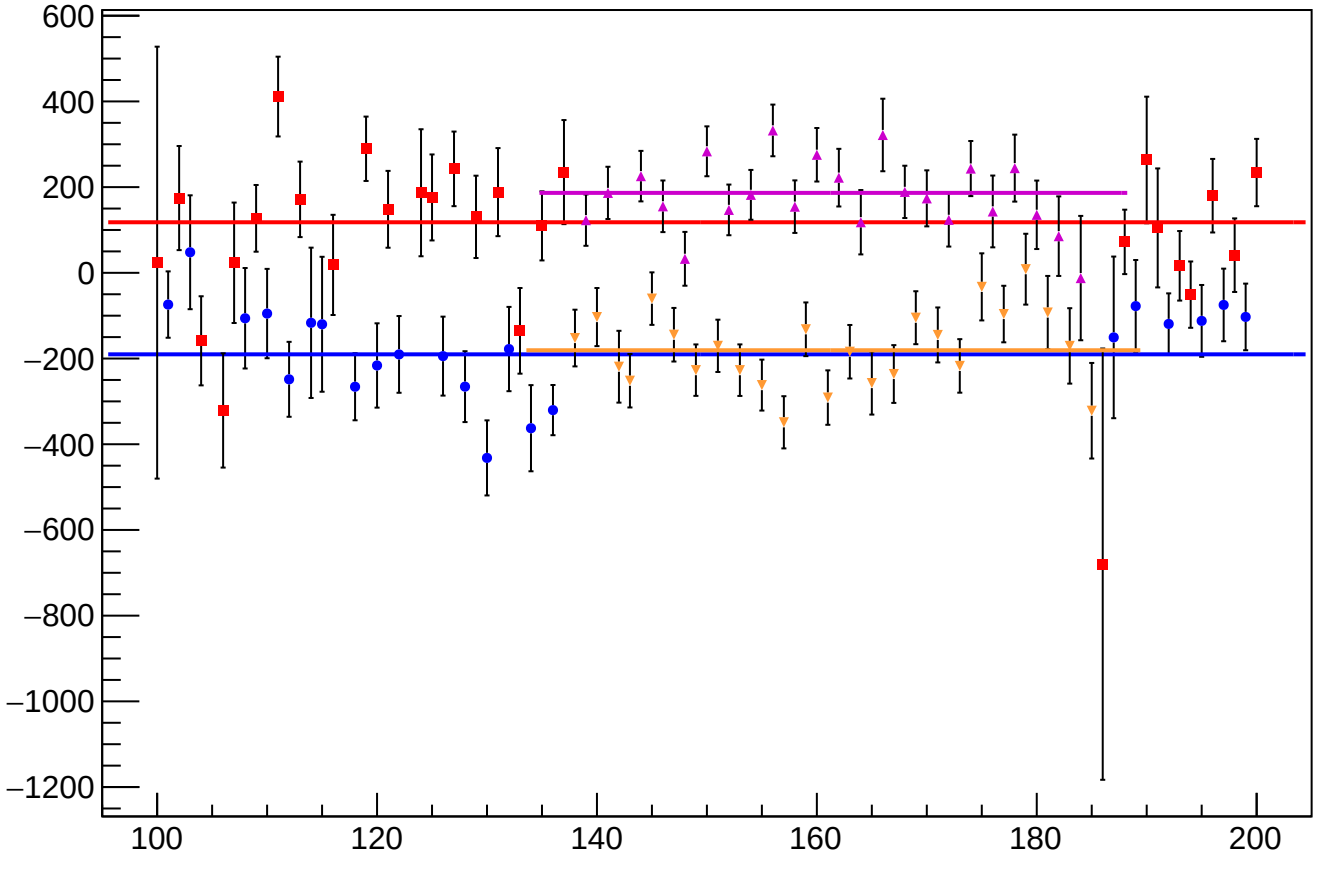
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696926.8/46

All: 222.764+/-0.022 χ^2/NDF: 26597988.6/97

- sign 214.436+/-0.031 χ^2/NDF: 15750318.2/50

eigen_cor_asym_sam8_mean vs Slug



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 117.998+/-18.608 χ^2/NDF: 59.1/27

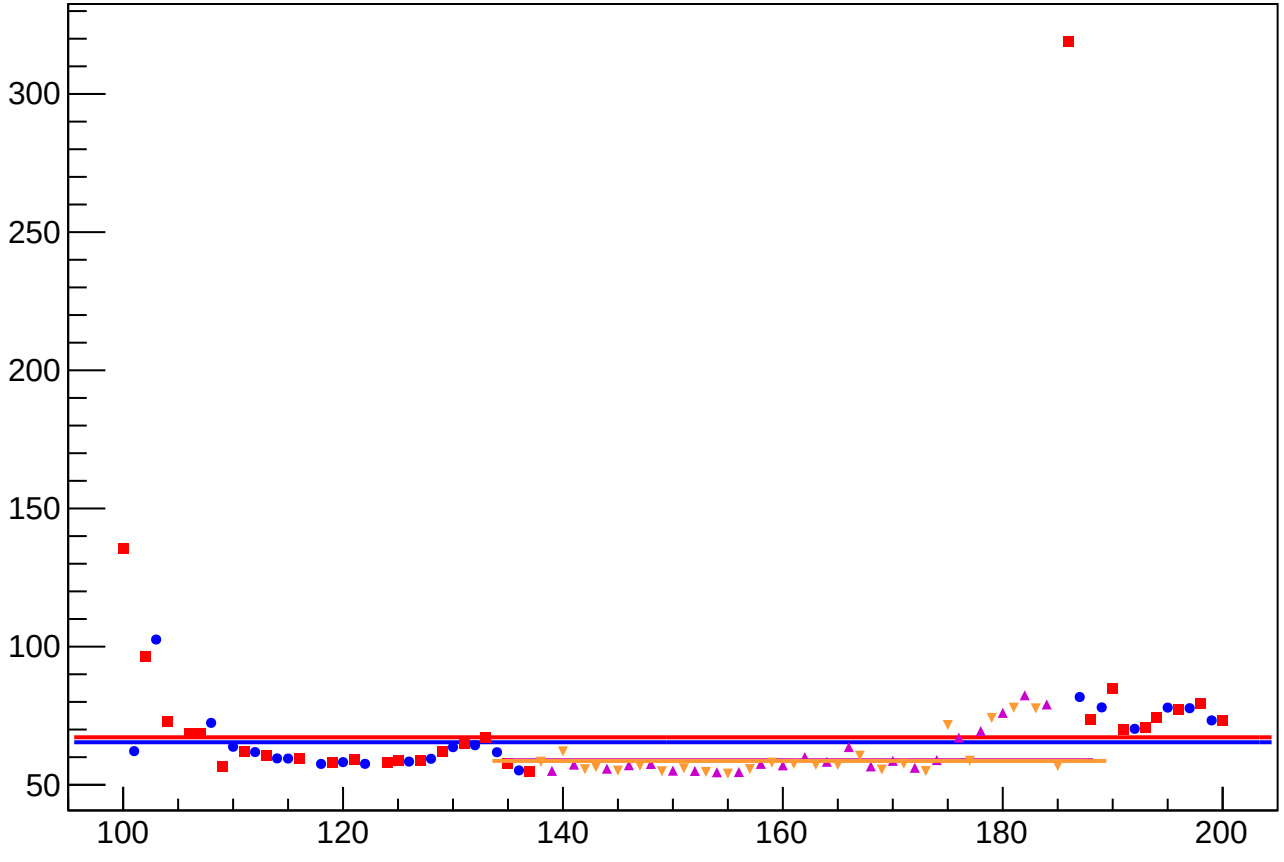
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.737+/-11.054 χ^2/NDF: 69.8/46

All: -11.768+/-7.838 χ^2/NDF: 653.4/97

- sign 162.100+/-11.115 χ^2/NDF: 96.9/50

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

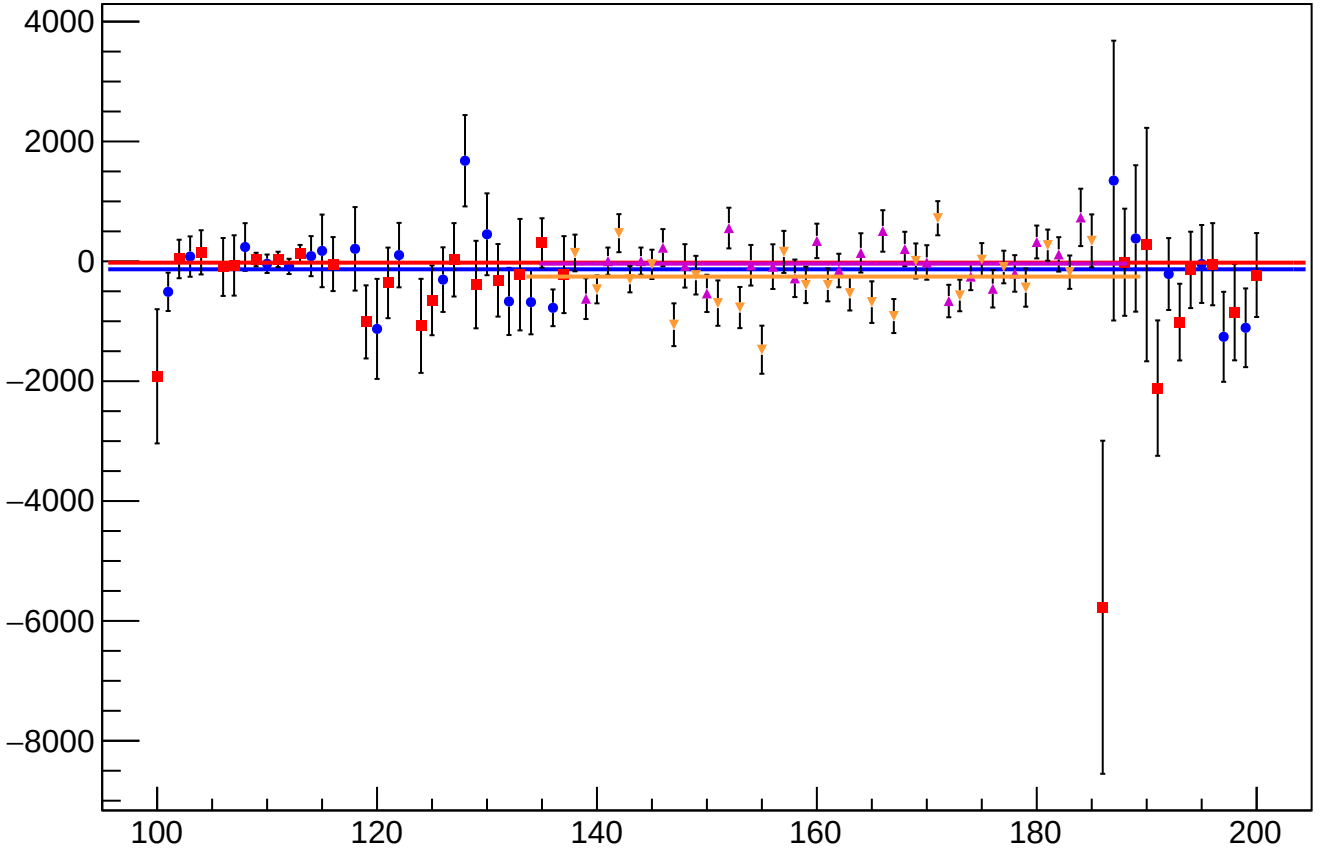
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024396.5/46

All: 61.337+/-0.006 χ^2/NDF: 2684968.5/97

- sign 61.865+/-0.008 χ^2/NDF: 1651583.2/50

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -22.190+/-62.434 χ^2/NDF: 23.1/27

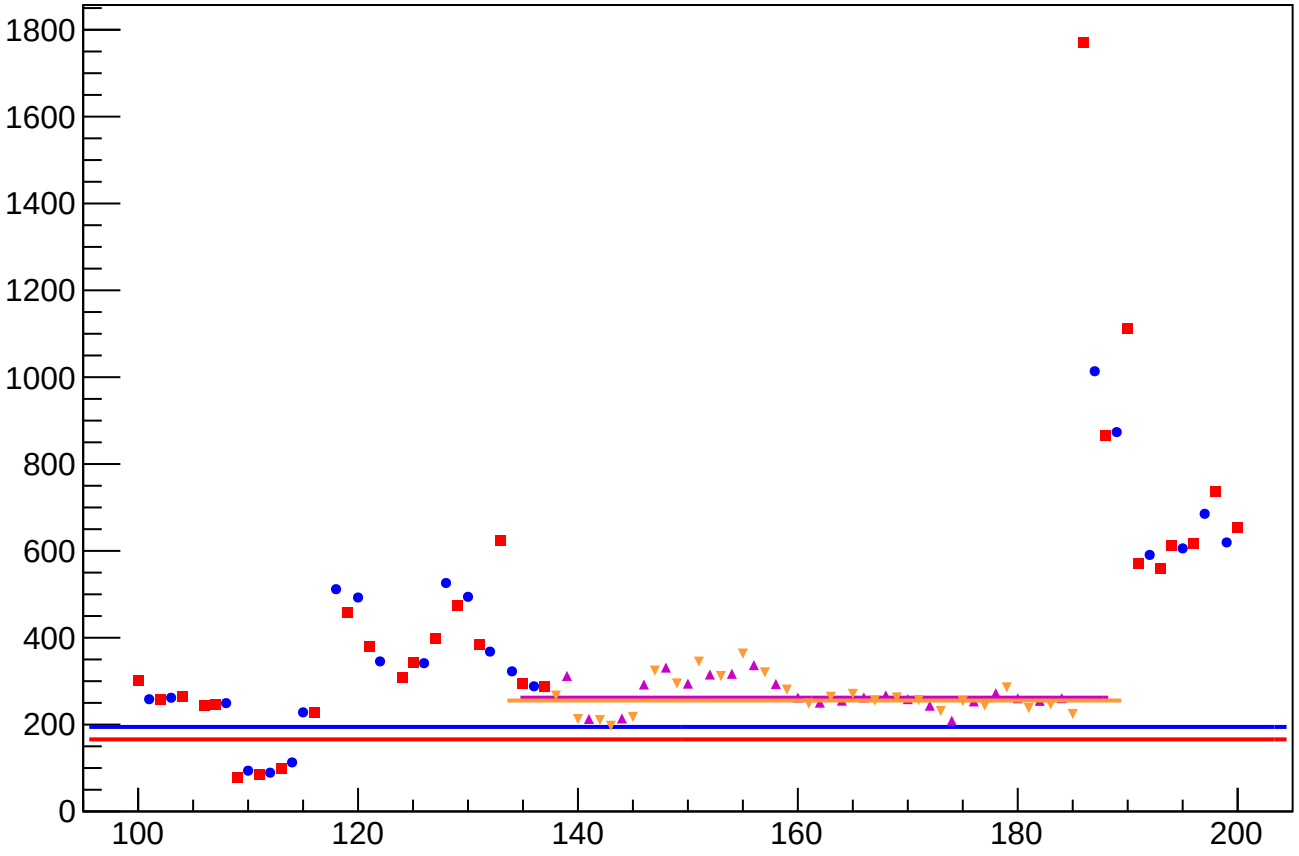
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.559+/-46.091 χ^2/NDF: 82.9/46

All: -114.951+/-31.808 χ^2/NDF: 142.1/97

- sign -30.742+/-43.951 χ^2/NDF: 51.5/50

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

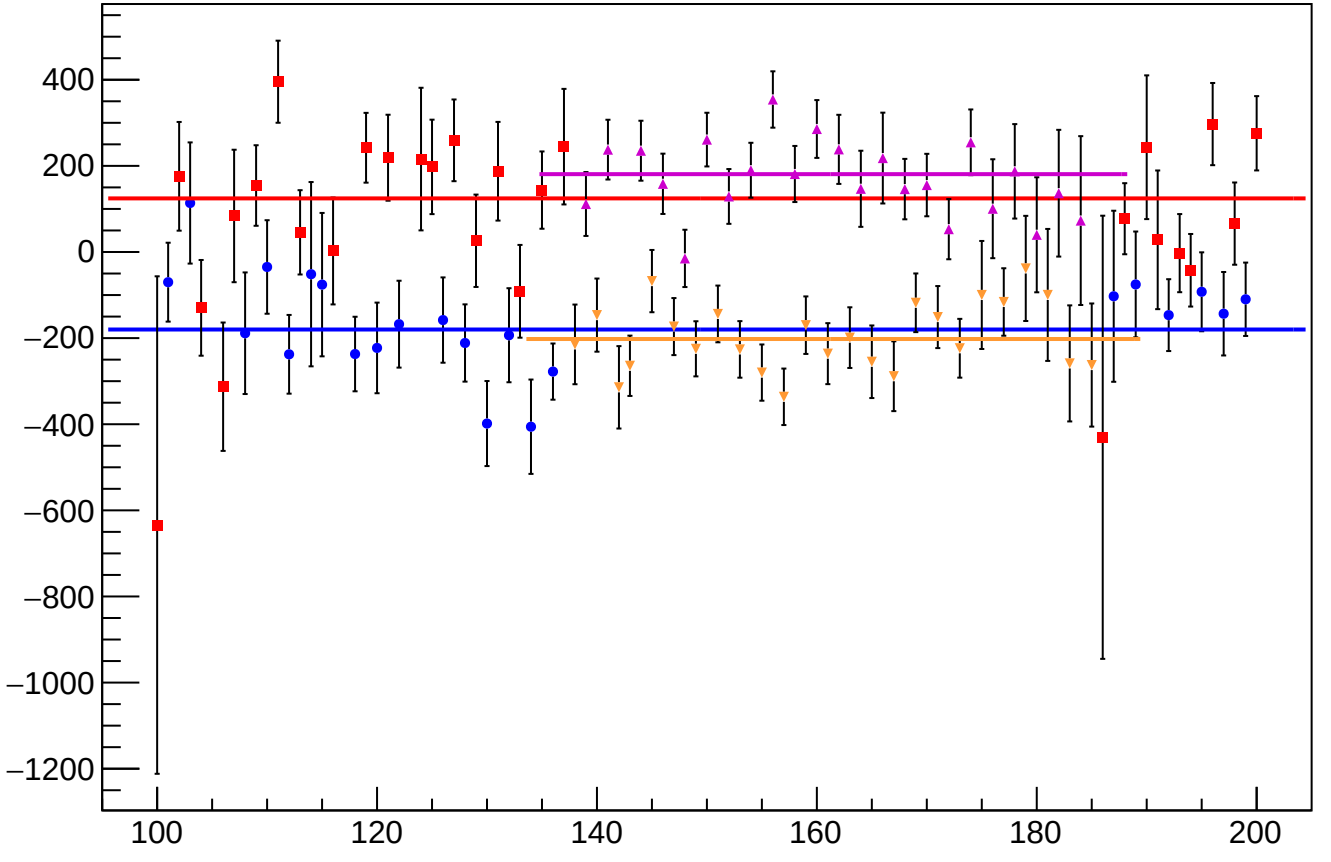
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696926.8/46

All: 222.764+/-0.022 χ^2/NDF: 26597988.6/97

- sign 214.436+/-0.031 χ^2/NDF: 15750318.2/50

dit_asym_sam8_mean vs Slug



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 124.460+/-20.494 χ^2/NDF: 52.3/27

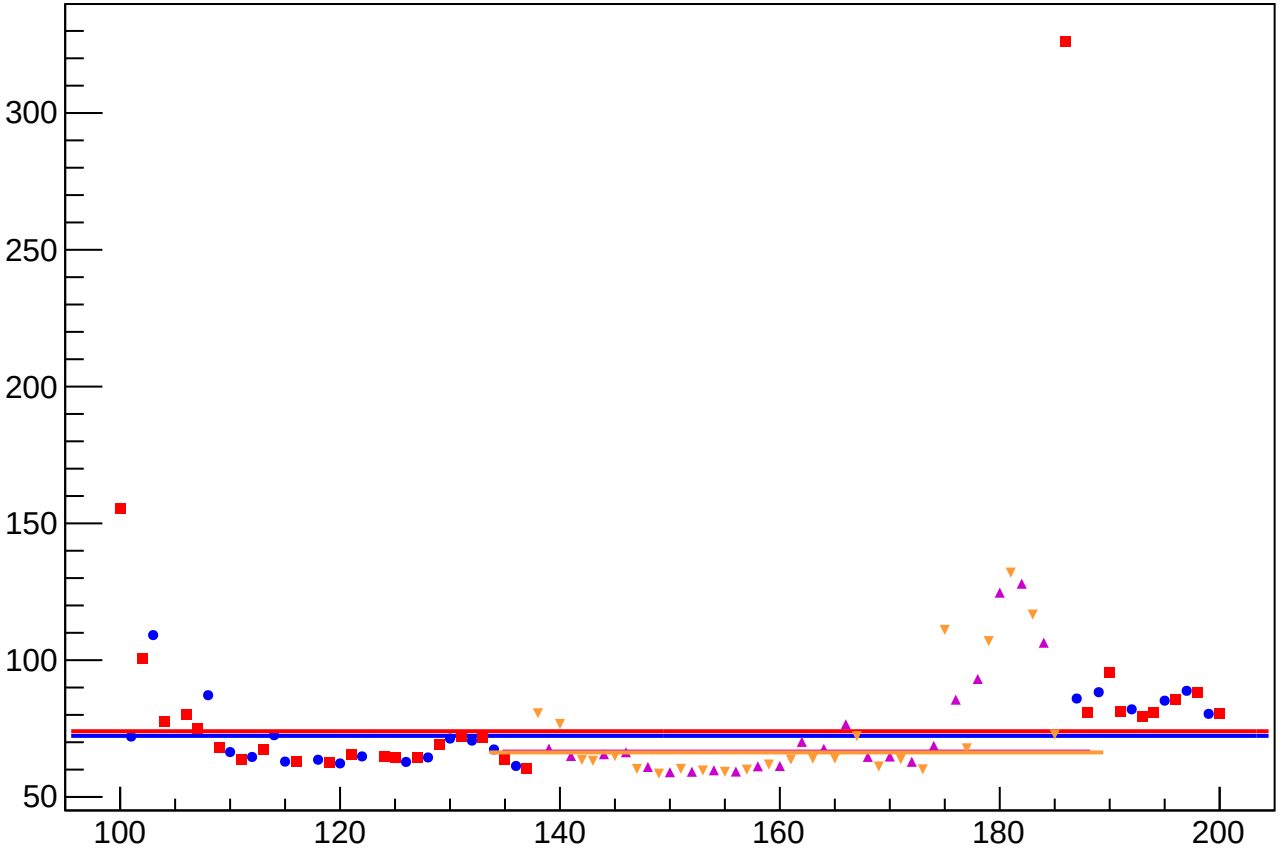
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -194.588+/-12.623 χ^2/NDF: 45.9/46

All: -17.548+/-8.925 χ^2/NDF: 526.4/97

- sign 159.422+/-12.621 χ^2/NDF: 87.2/50

dit_asym_sam8_rms vs Slug



Right In: 72.331+/-0.015 χ^2/NDF: 516241.1/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.031+/-0.014 χ^2/NDF: 974349.1/27

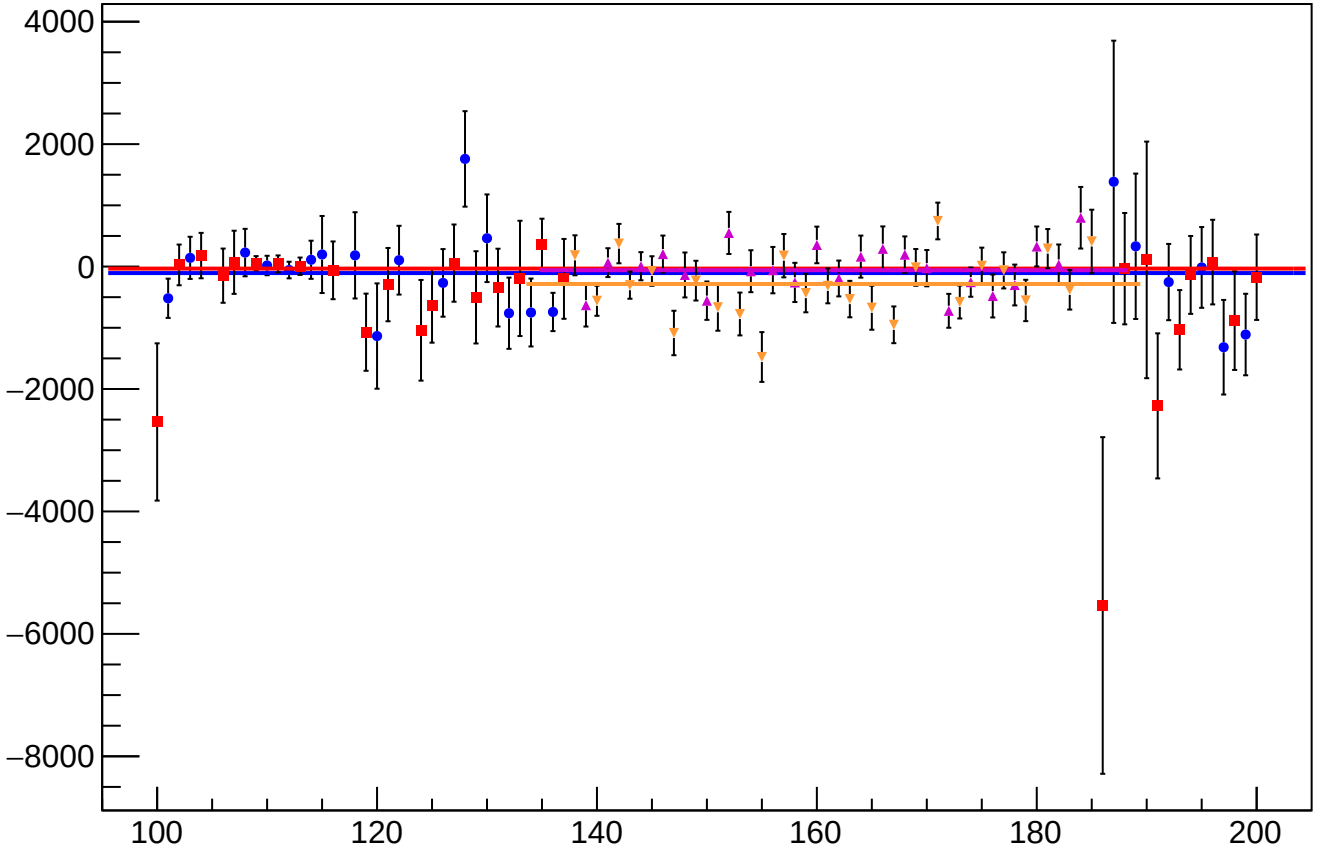
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.336+/-0.009 χ^2/NDF: 2013272.7/46

All: 68.873+/-0.006 χ^2/NDF: 4316939.7/97

- sign 69.409+/-0.009 χ^2/NDF: 2296445.6/50

asym_sam8_dit_correction_mean vs Slug



Right In: -106.195+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -33.395+/-64.143 χ^2/NDF: 23.4/27

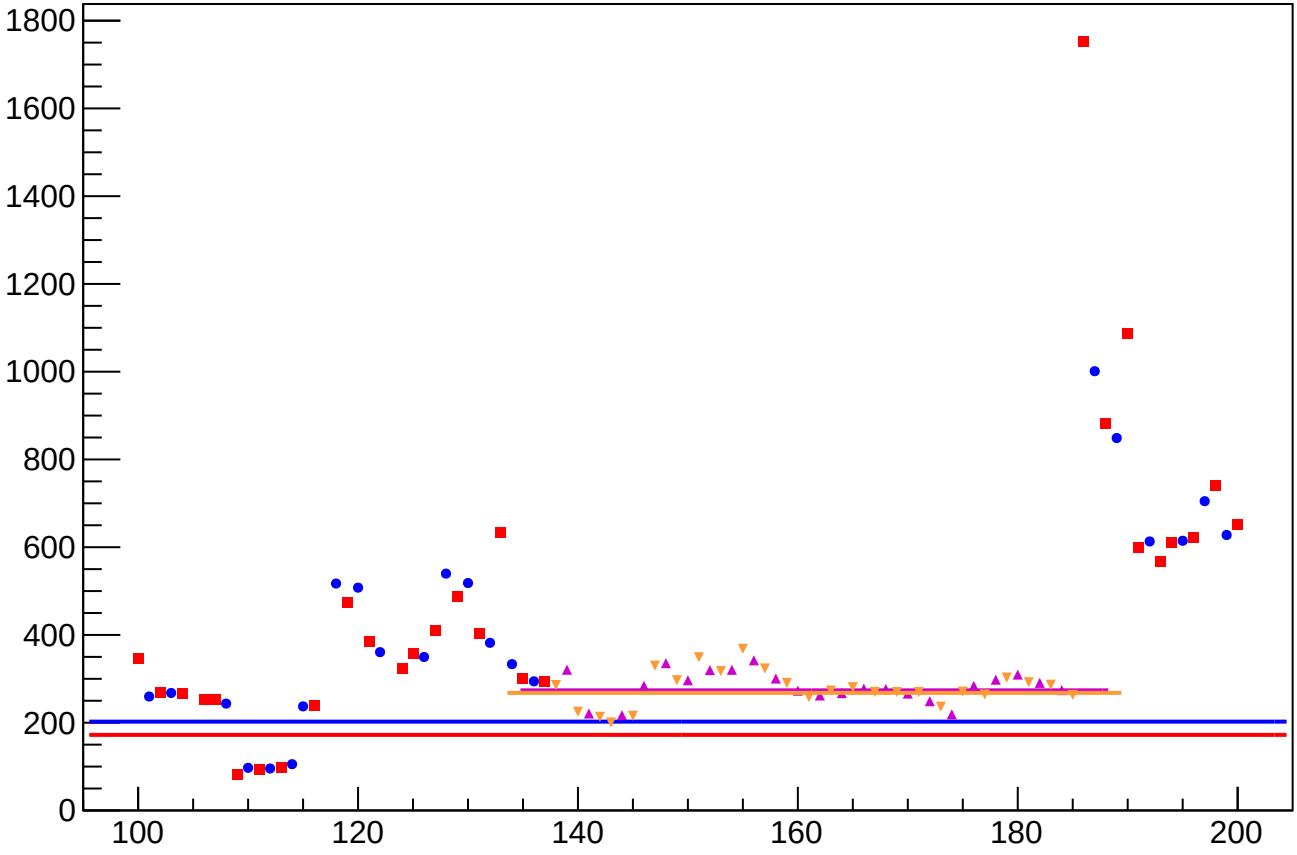
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -214.062+/-48.018 χ^2/NDF: 82.6/46

All: -125.658+/-33.039 χ^2/NDF: 139.3/97

- sign -46.179+/-45.530 χ^2/NDF: 50.3/50

asym_sam8_dit_correction_rms vs Slug



Right In: 202.433+/-0.054 χ^2/NDF: 8815730.3/21

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 172.253+/-0.045 χ^2/NDF: 12557566.9/27

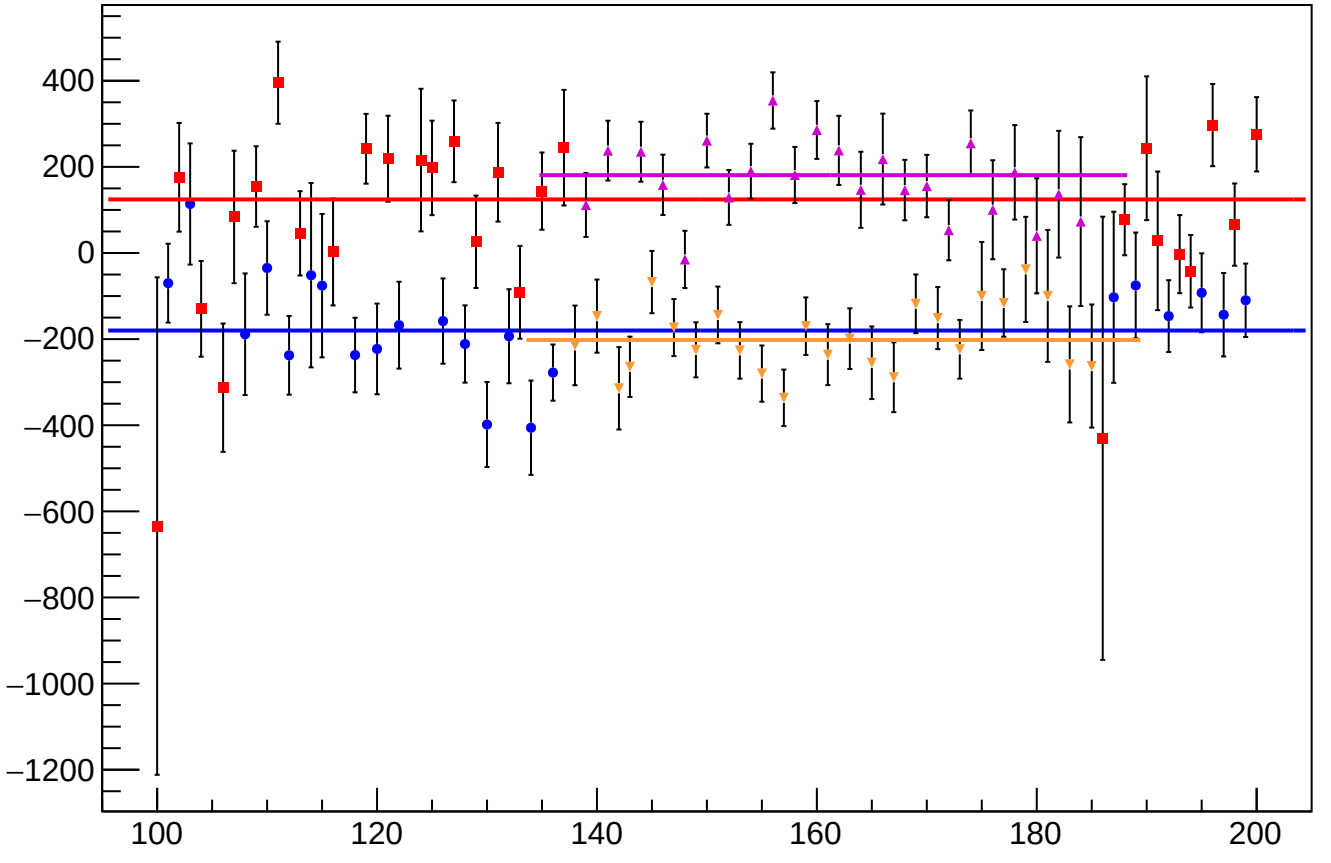
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 242.101+/-0.034 χ^2/NDF: 10569167.7/46

All: 231.839+/-0.023 χ^2/NDF: 26435168.4/97

- sign 222.613+/-0.032 χ^2/NDF: 15692543.0/50

eigen_dit_asym_sam8_mean vs Slug



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 124.461+/-20.494 χ^2/NDF: 52.3/27

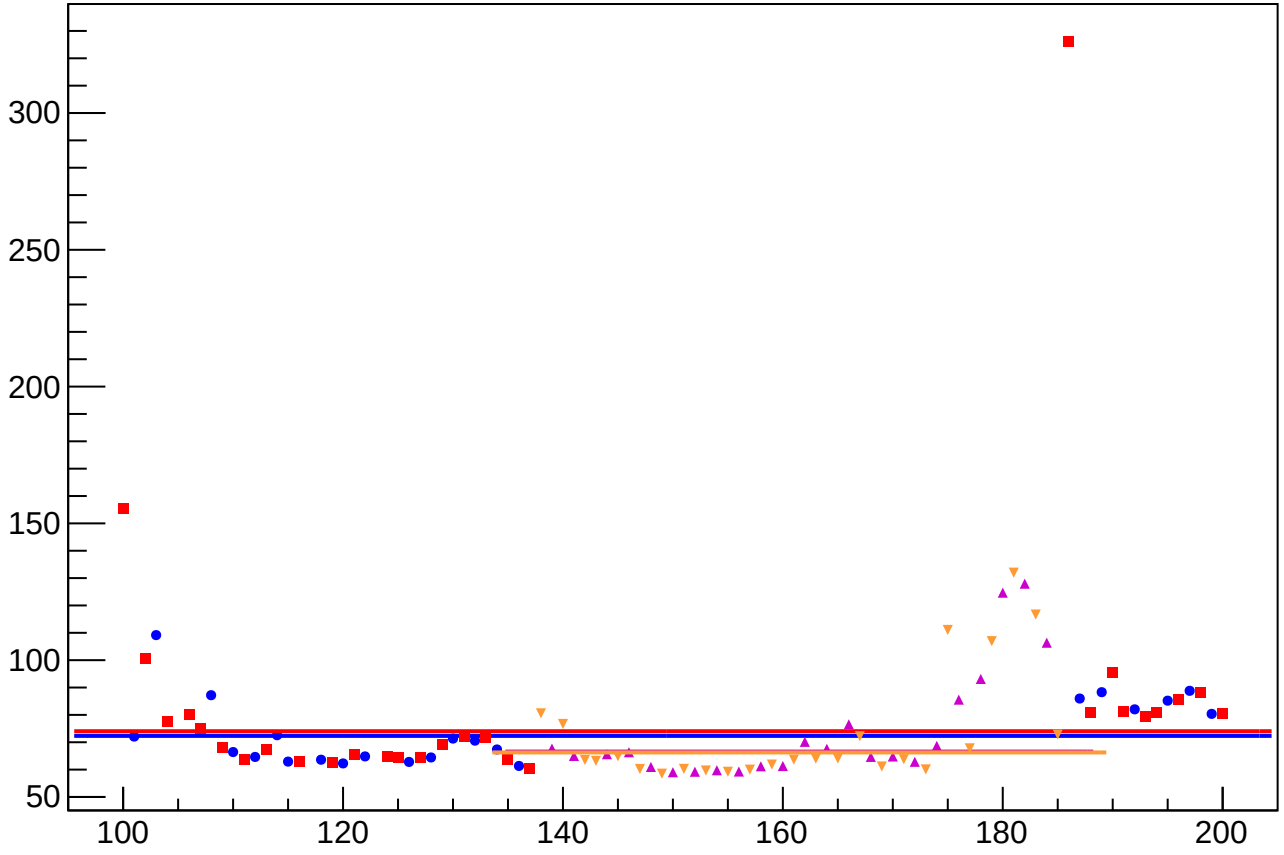
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -194.588+/-12.623 χ^2/NDF: 45.9/46

All: -17.547+/-8.925 χ^2/NDF: 526.4/97

- sign 159.423+/-12.621 χ^2/NDF: 87.2/50

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.331+/-0.015 χ^2/NDF: 516243.9/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.030+/-0.014 χ^2/NDF: 974354.1/27

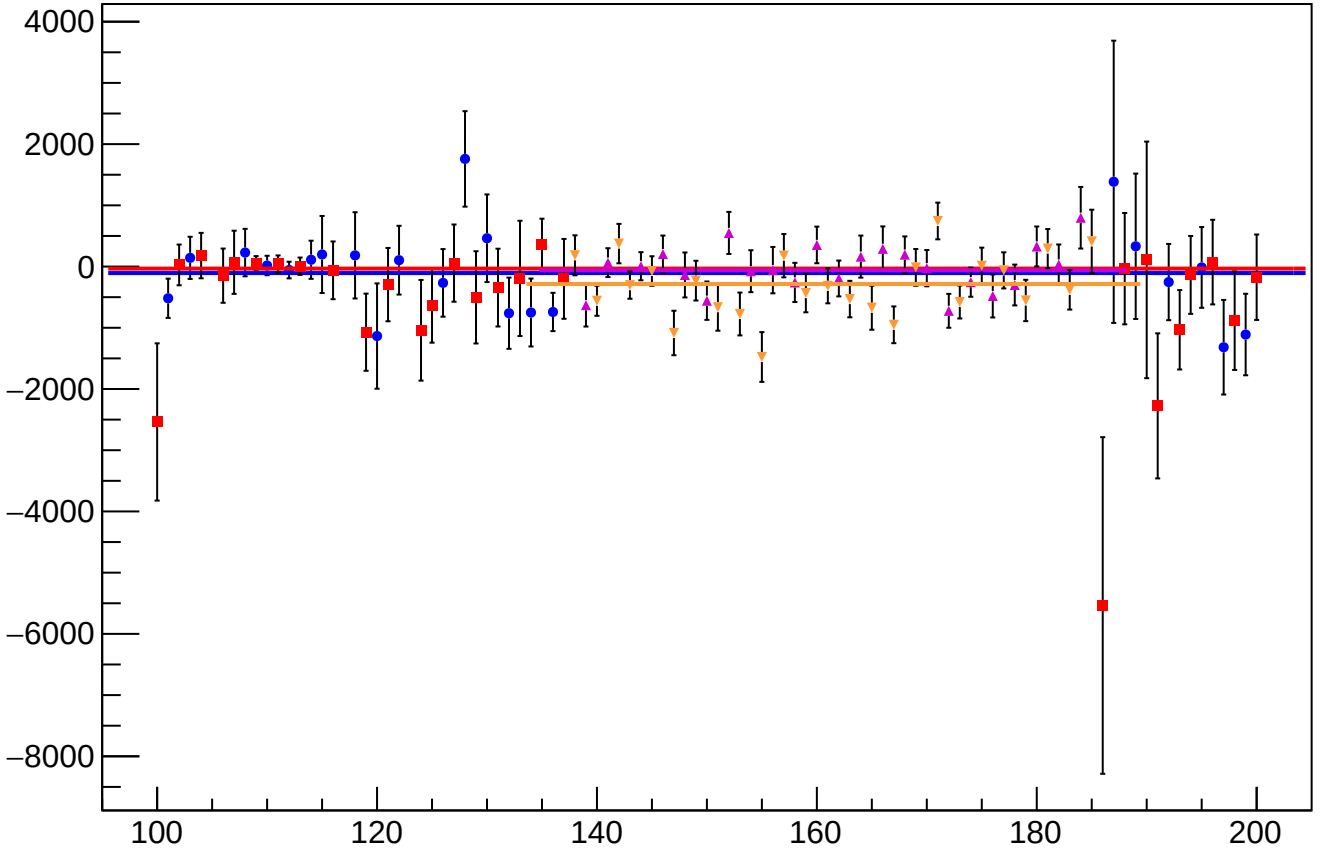
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.336+/-0.009 χ^2/NDF: 2013271.5/46

All: 68.873+/-0.006 χ^2/NDF: 4316927.2/97

- sign 69.409+/-0.009 χ^2/NDF: 2296434.4/50

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -106.193+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -33.394+/-64.143 χ^2/NDF: 23.4/27

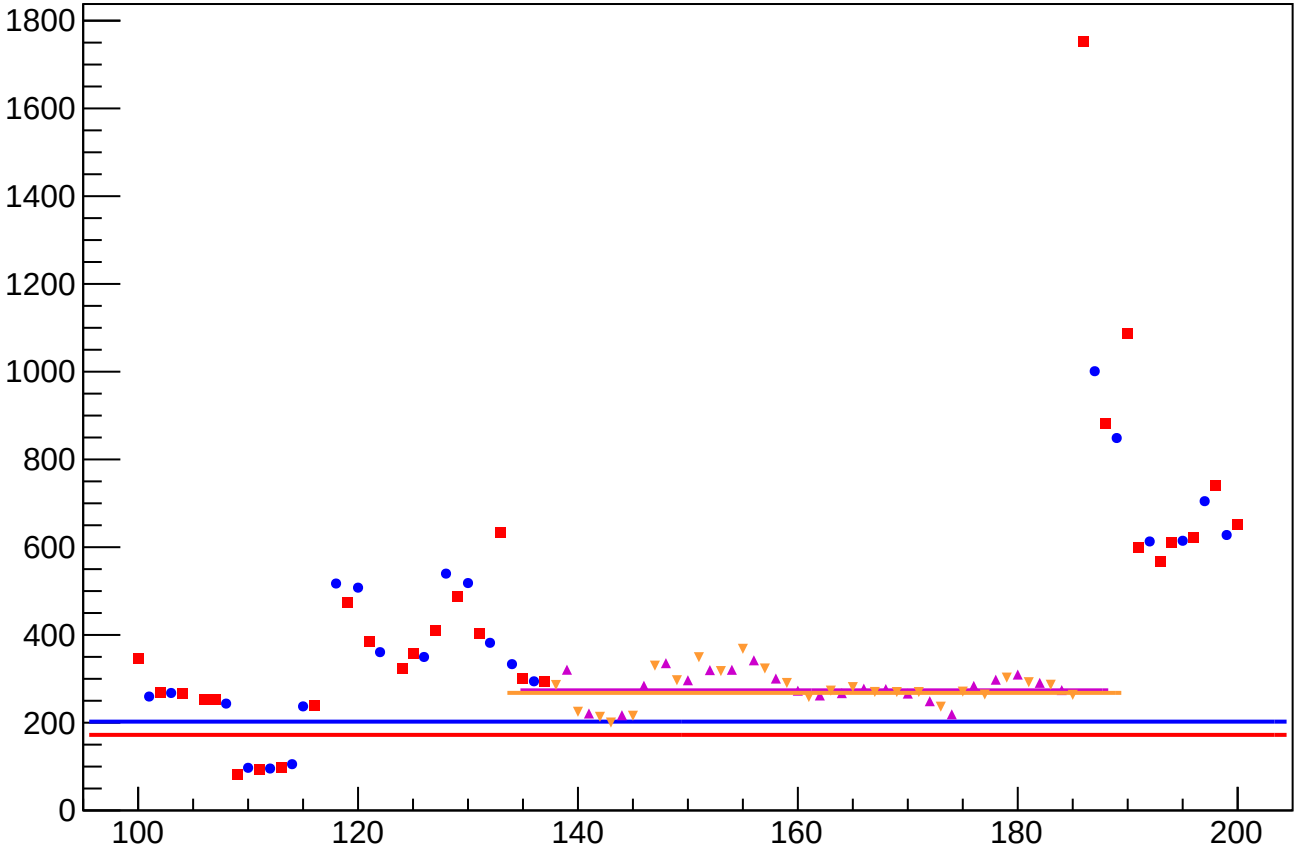
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -214.061+/-48.018 χ^2/NDF: 82.6/46

All: -125.658+/-33.039 χ^2/NDF: 139.3/97

- sign -46.178+/-45.529 χ^2/NDF: 50.3/50

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 202.431+/-0.054 χ^2/NDF: 8815772.2/21

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 172.253+/-0.045 χ^2/NDF: 12557547.9/27

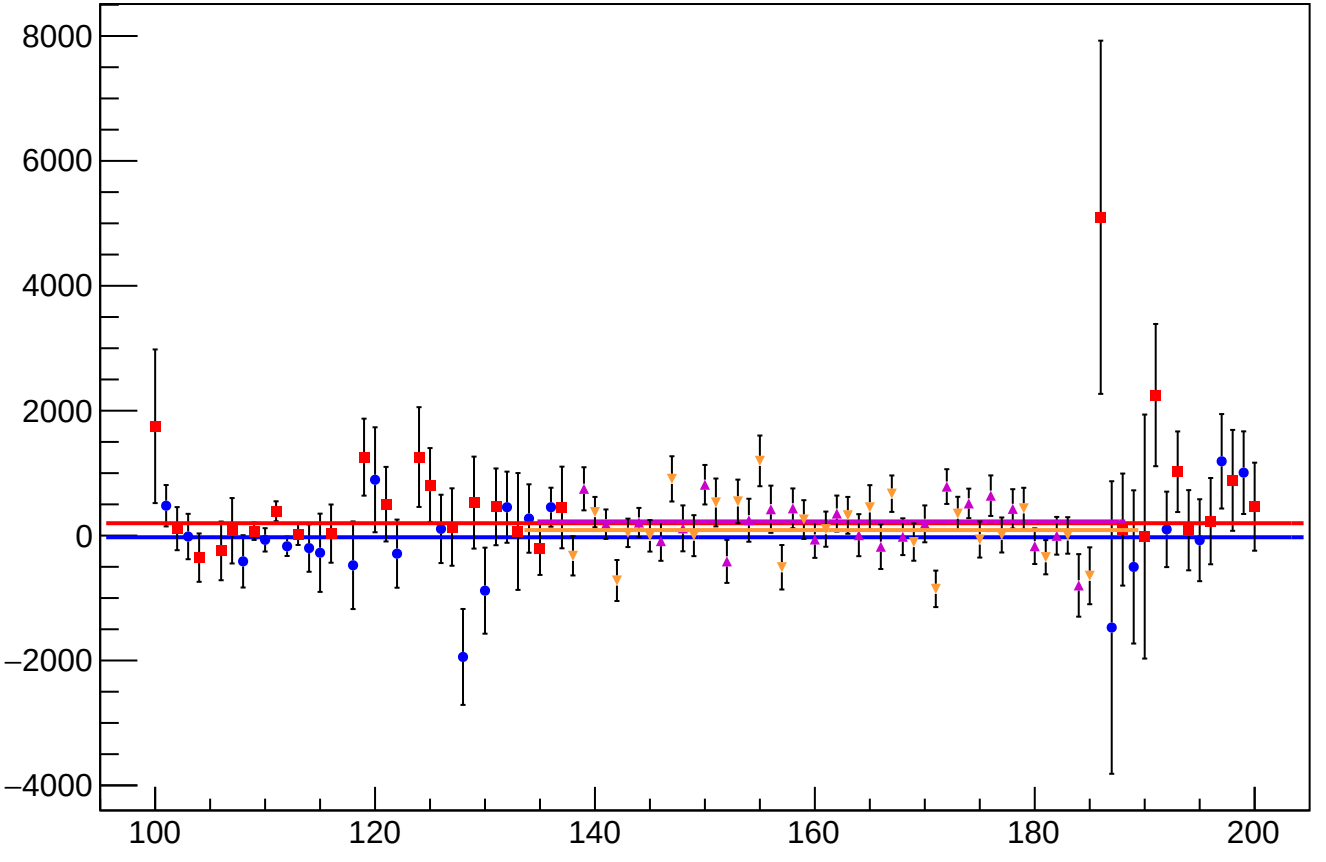
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 242.099+/-0.034 χ^2/NDF: 10569246.2/46

All: 231.838+/-0.023 χ^2/NDF: 26435211.1/97

- sign 222.613+/-0.032 χ^2/NDF: 15692517.5/50

asym_sam8_mean vs Slug



Right In: -26.673+/-83.802 χ^2/NDF: 23.1/21

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 198.213+/-72.063 χ^2/NDF: 24.5/27

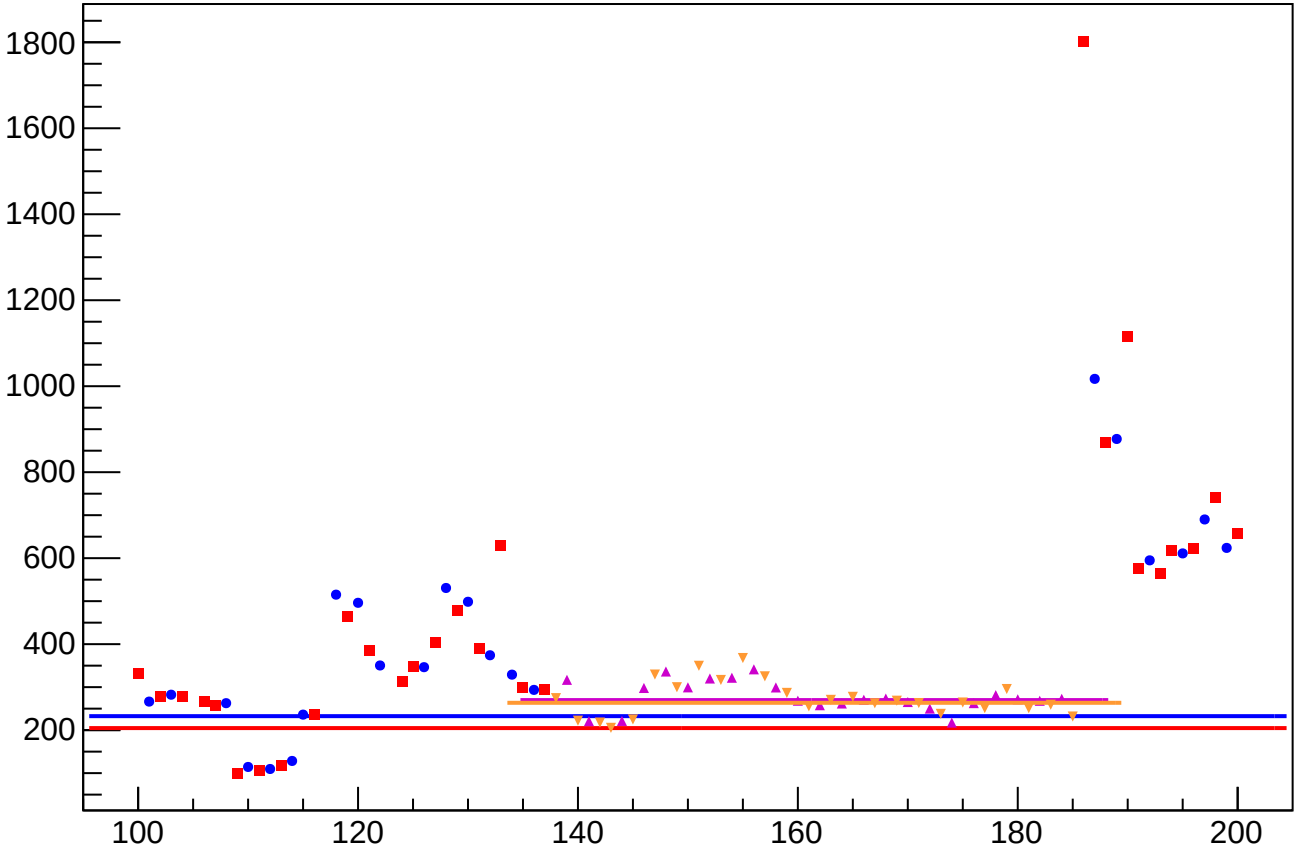
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 48.829+/-49.141 χ^2/NDF: 76.6/46

All: 133.999+/-34.233 χ^2/NDF: 135.8/97

- sign 214.303+/-47.717 χ^2/NDF: 53.4/50

asym_sam8_rms vs Slug



Right In: 232.537+/-0.059 χ^2/NDF: 7424405.9/21

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

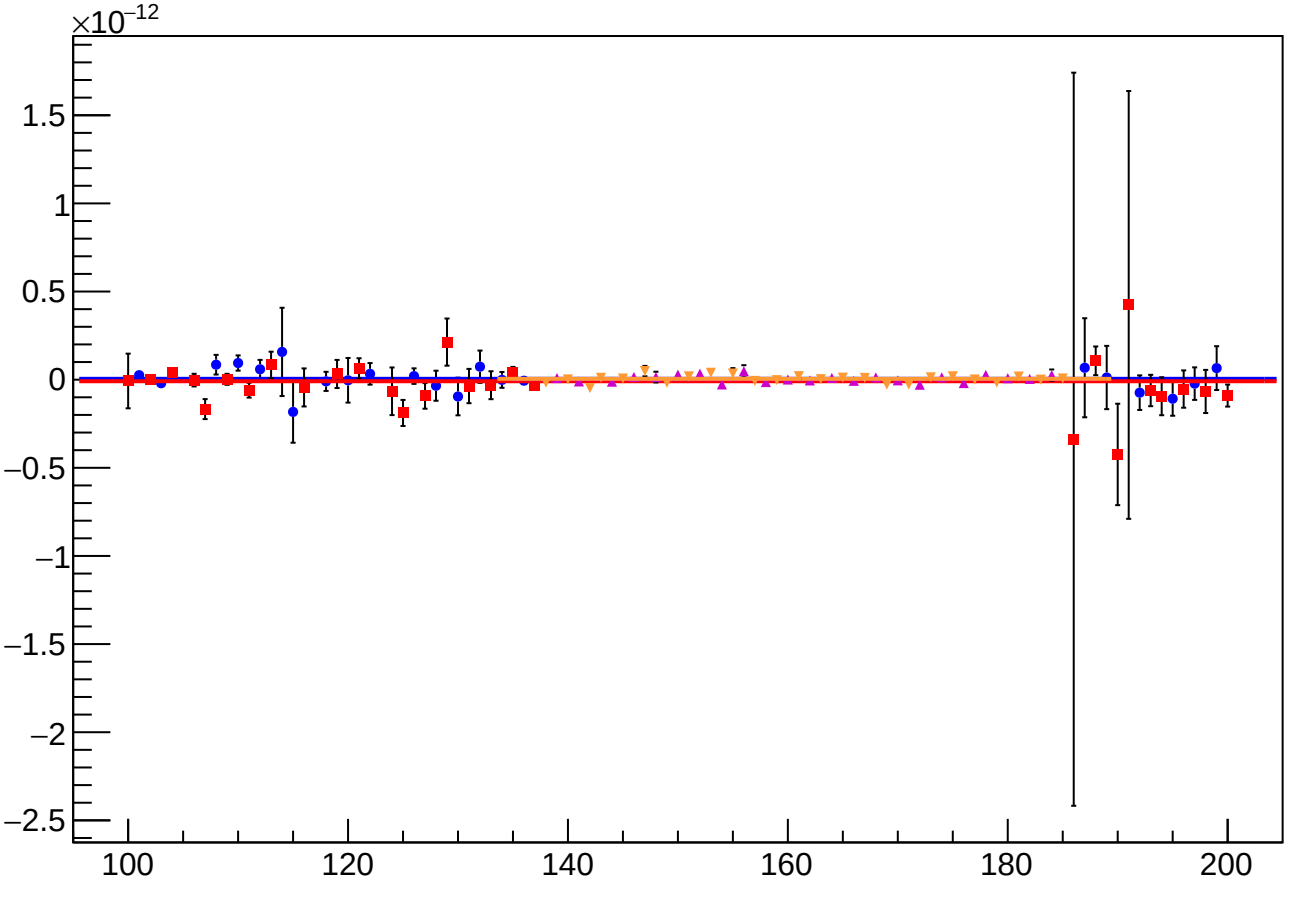
Right Out: 204.774+/-0.051 χ^2/NDF: 10867594.8/27

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 252.914+/-0.035 χ^2/NDF: 8384476.3/46

All: 246.959+/-0.024 χ^2/NDF: 20828585.1/97

- sign 241.344+/-0.034 χ^2/NDF: 12387043.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/27

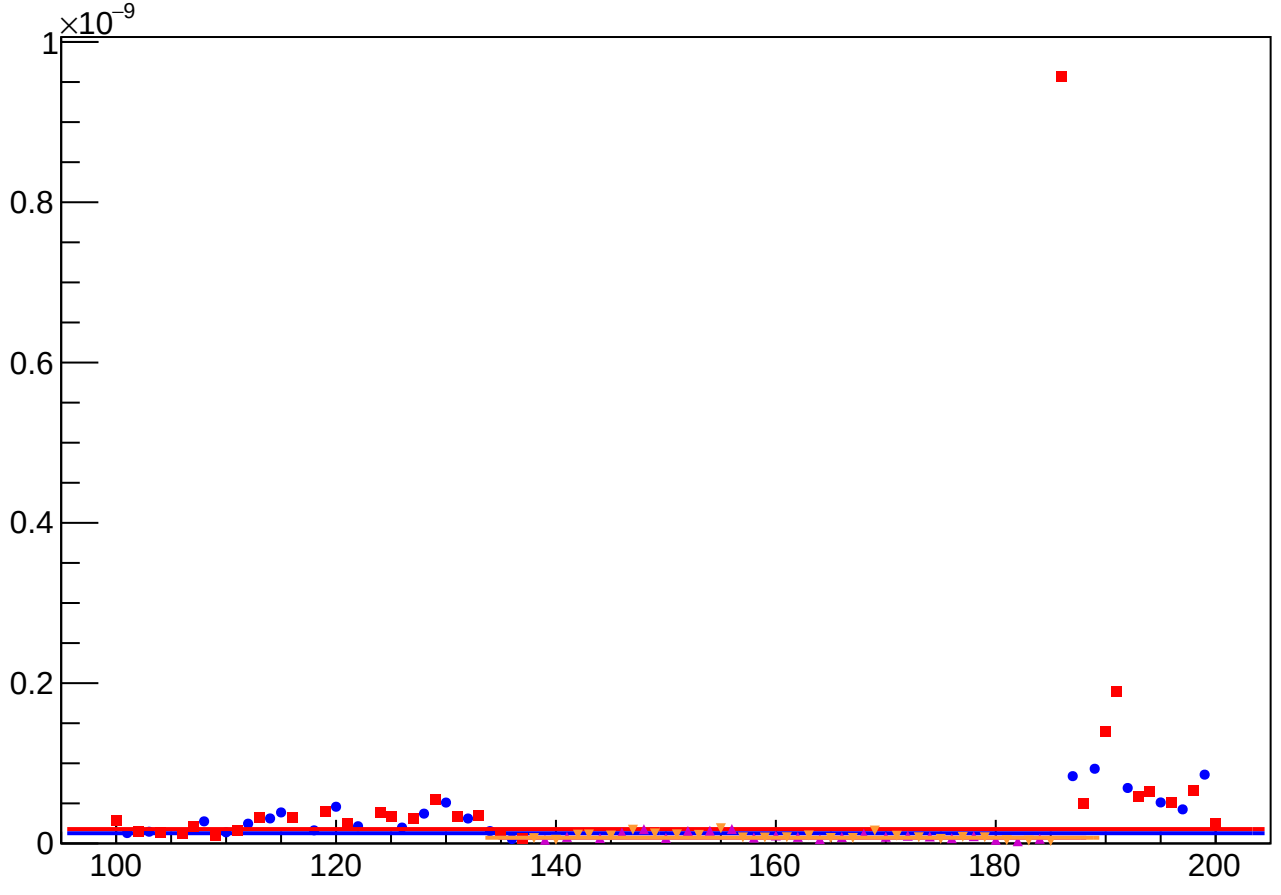
Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/46

All: 0.000+/-0.000 χ^2/NDF: 105.4/97

- sign 0.000+/-0.000 χ^2/NDF: 60.8/50

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4259052.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3998767.2/27

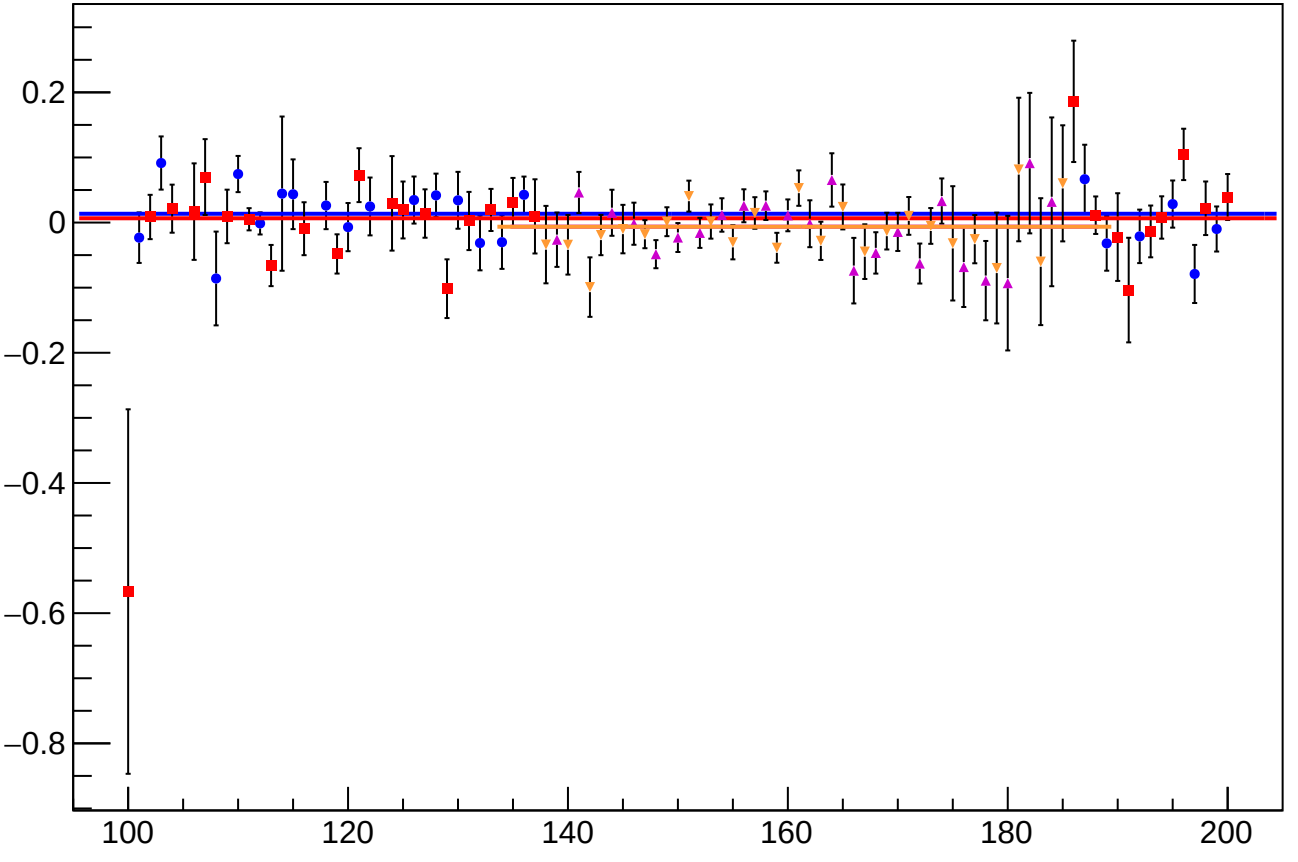
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7053883.0/46

All: 0.000+/-0.000 χ^2/NDF: 15341659.0/97

- sign 0.000+/-0.000 χ^2/NDF: 8278820.6/50

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/27

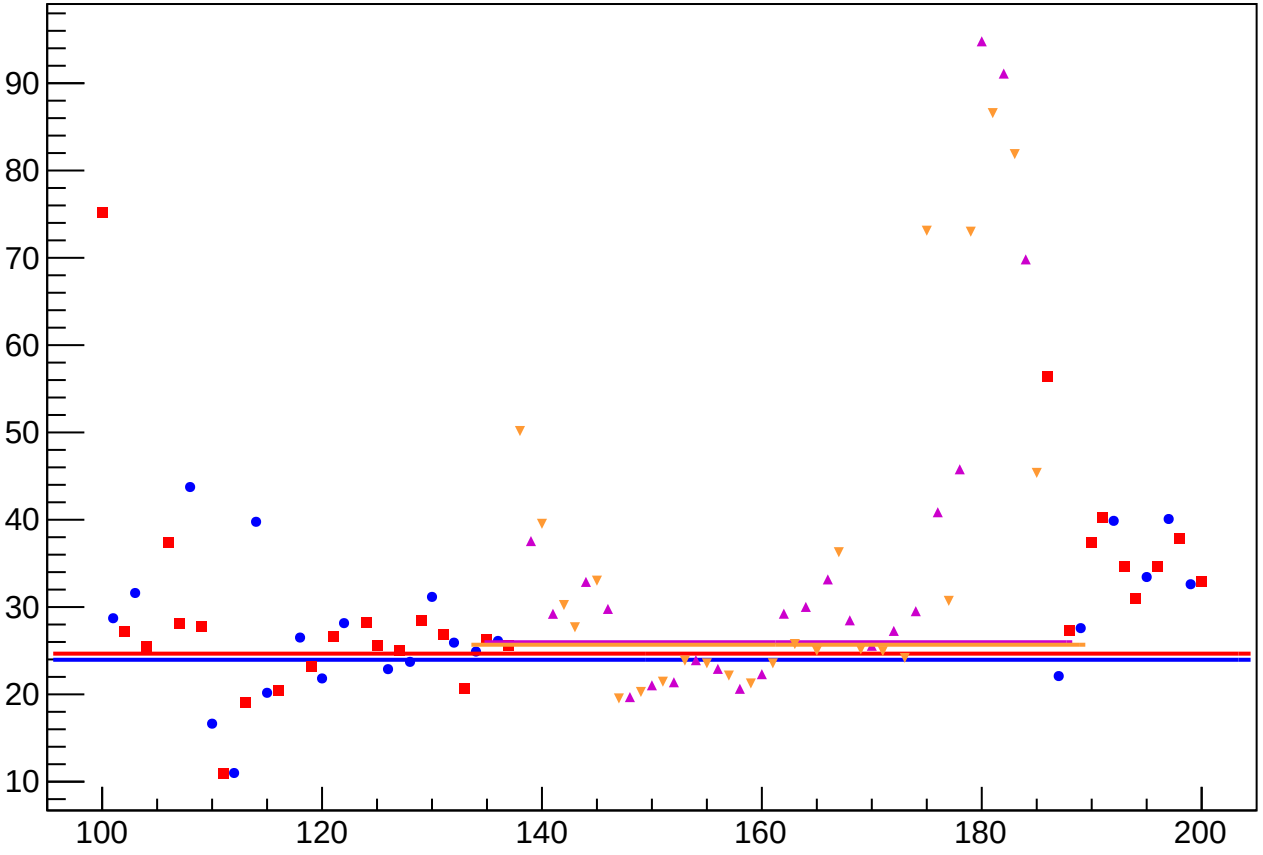
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.001+/-0.003 χ^2/NDF: 118.8/97

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

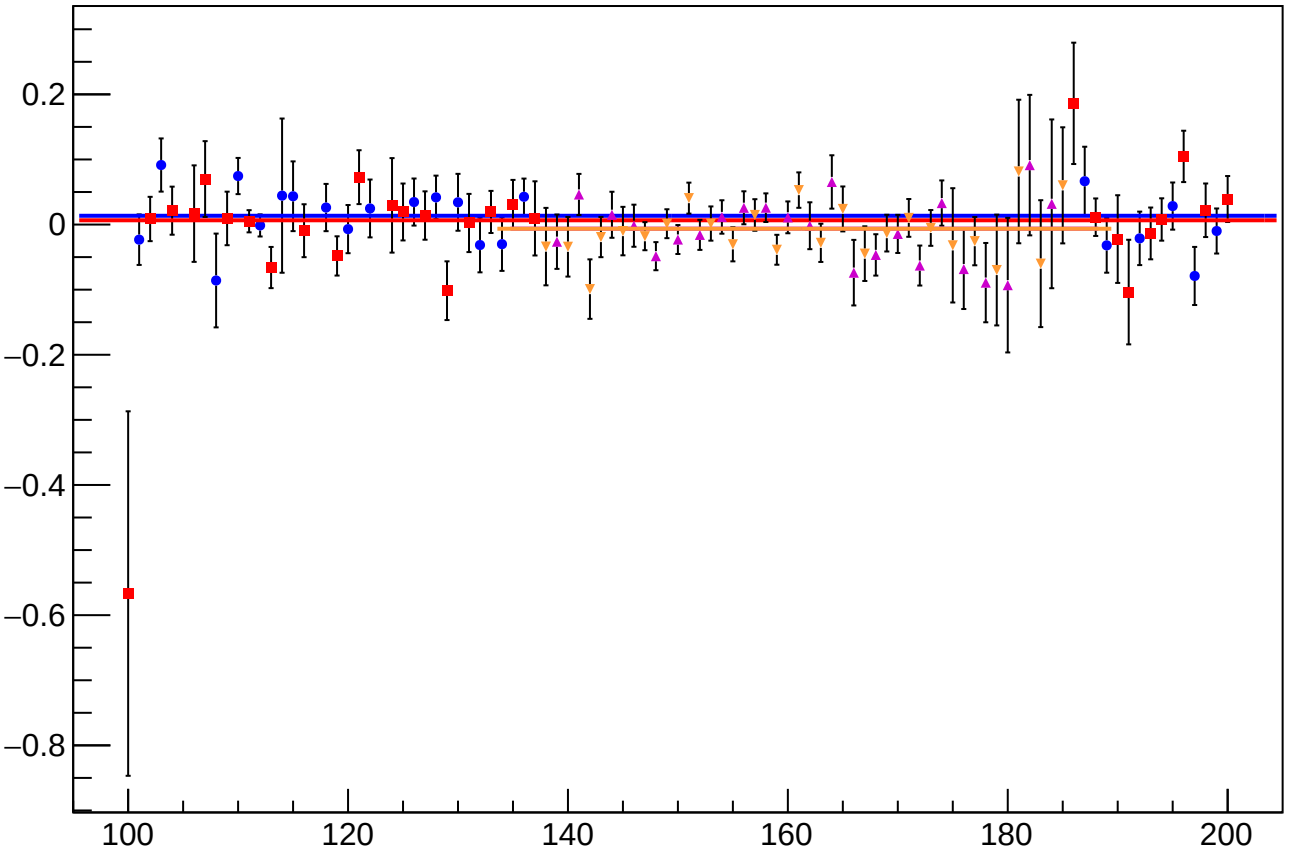
Right Out: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480410.9/46

All: 25.179+/-0.002 χ^2/NDF: 12291286.2/97

- sign 25.375+/-0.003 χ^2/NDF: 5804435.7/50



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/27

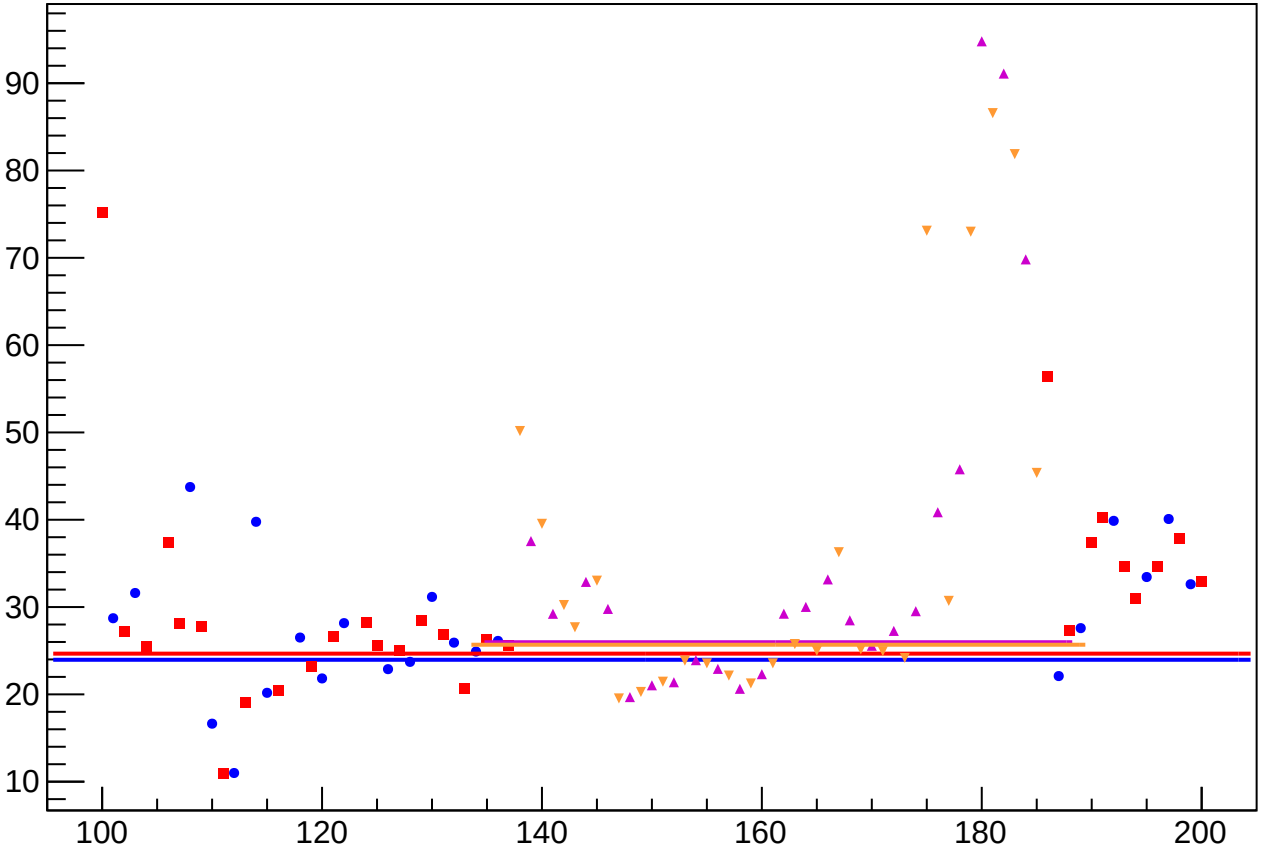
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.001+/-0.003 χ^2/NDF: 118.8/97

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

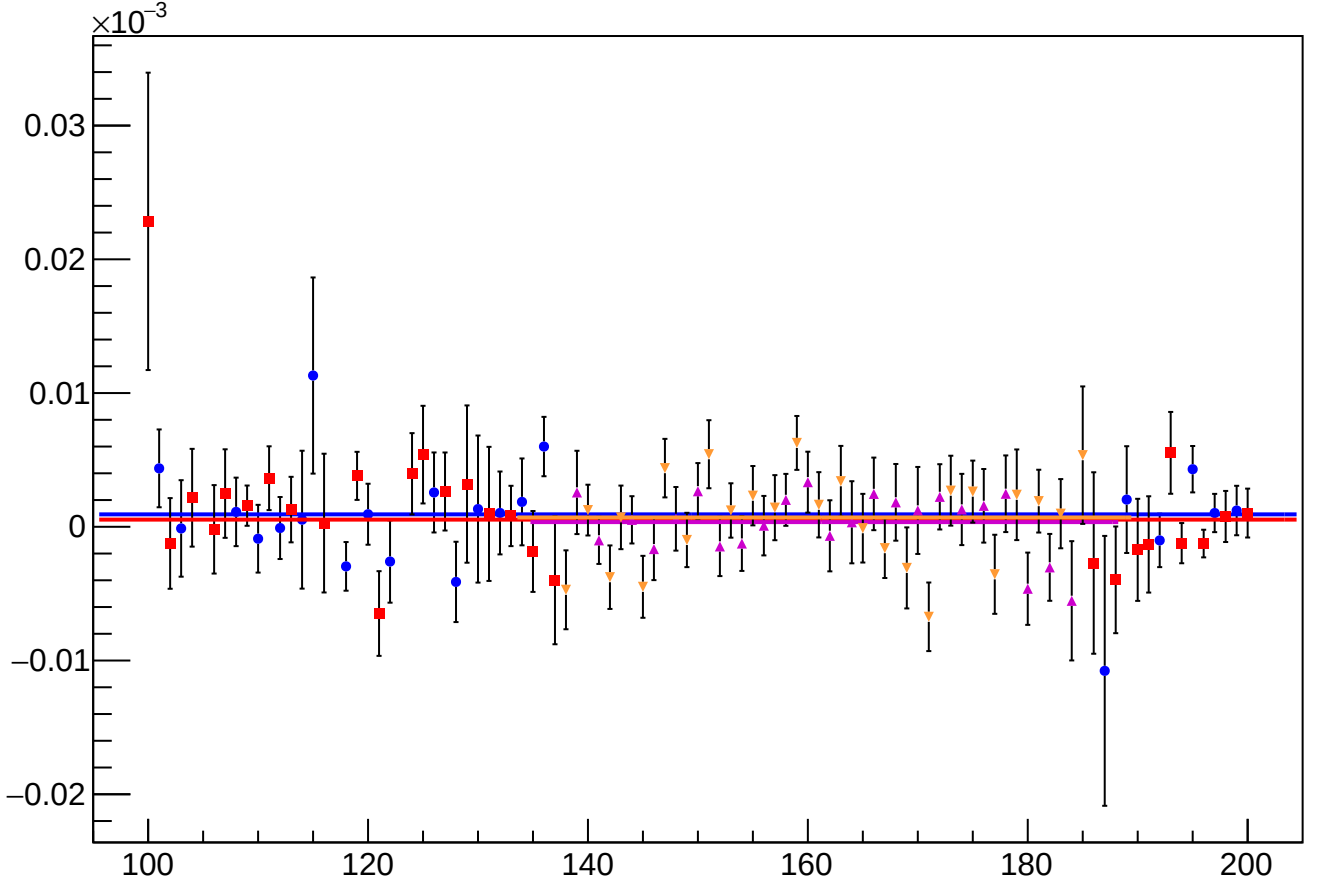
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480410.9/46

All: 25.179+/-0.002 χ^2/NDF: 12291286.2/97

- sign 25.375+/-0.003 χ^2/NDF: 5804435.7/50

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/27

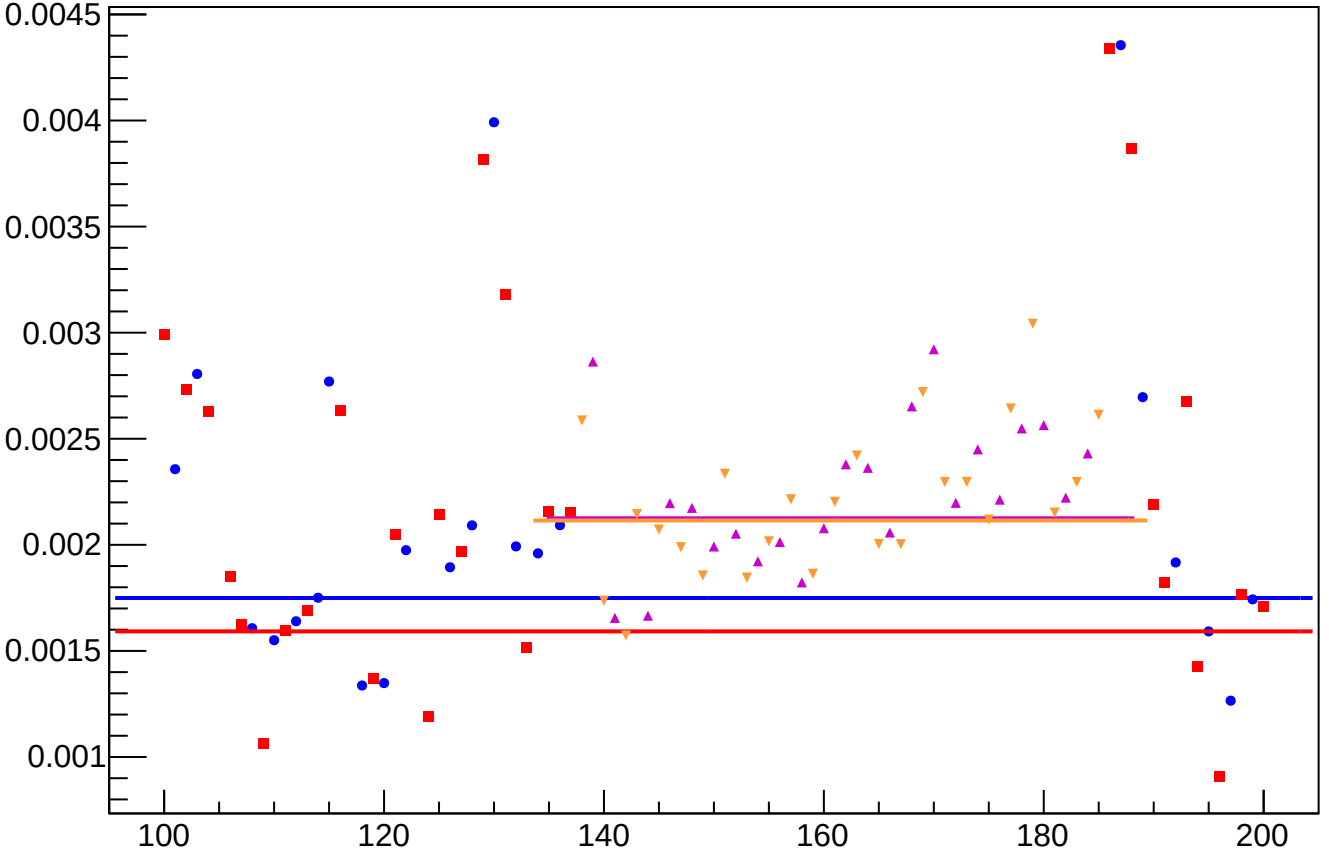
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/46

All: 0.000+/-0.000 χ^2/NDF: 116.0/97

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1432518.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3747378.6/27

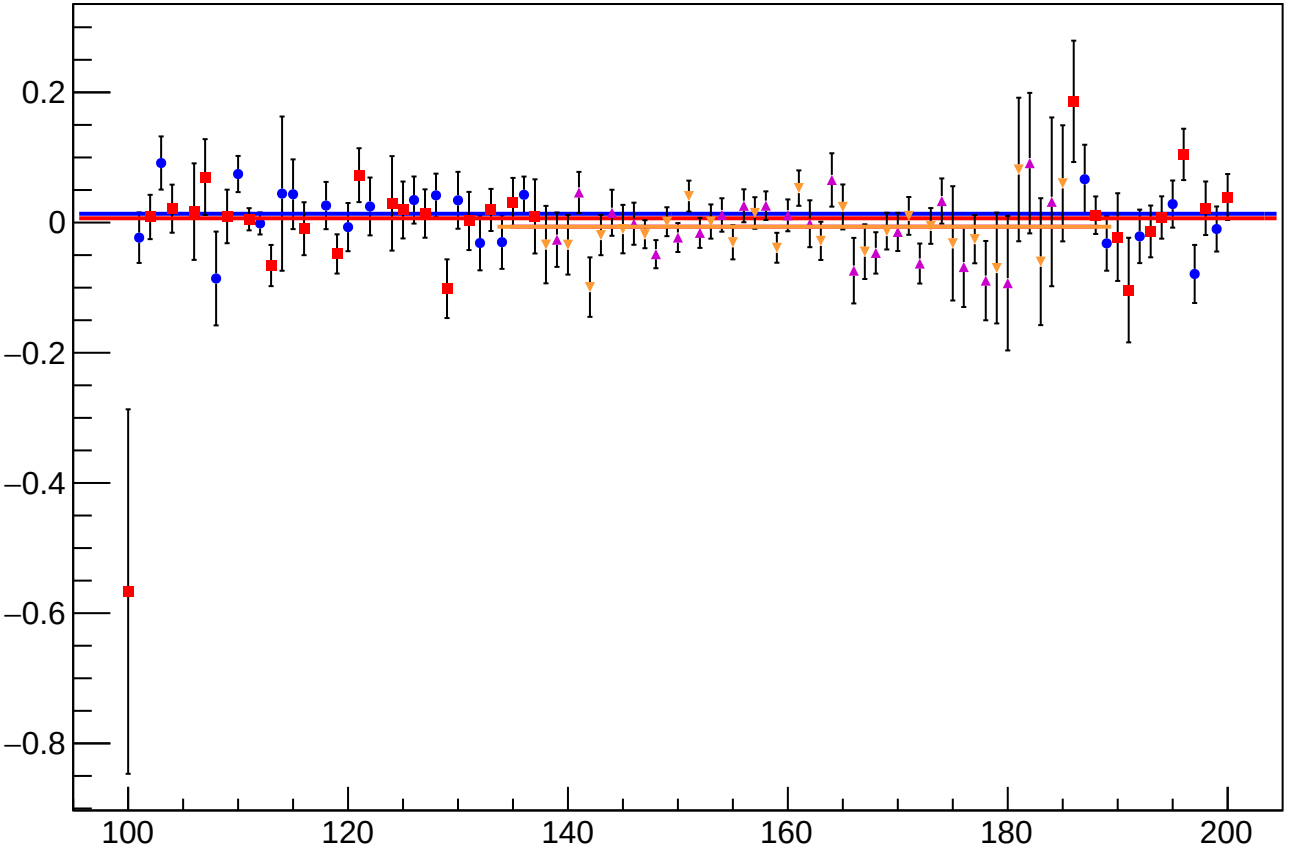
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2682066.9/46

All: 0.002+/-0.000 χ^2/NDF: 8574816.2/97

- sign 0.002+/-0.000 χ^2/NDF: 5790502.2/50

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/27

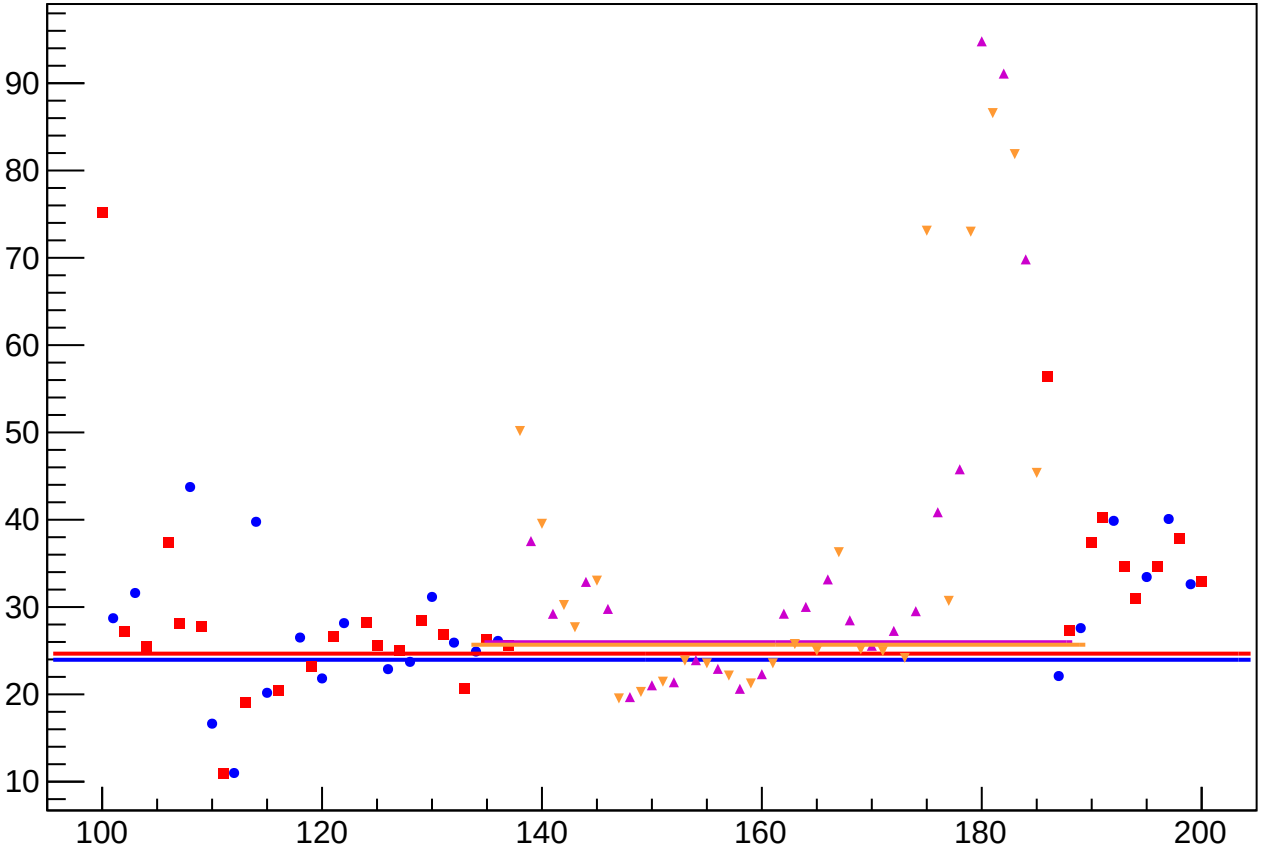
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.001+/-0.003 χ^2/NDF: 118.8/97

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

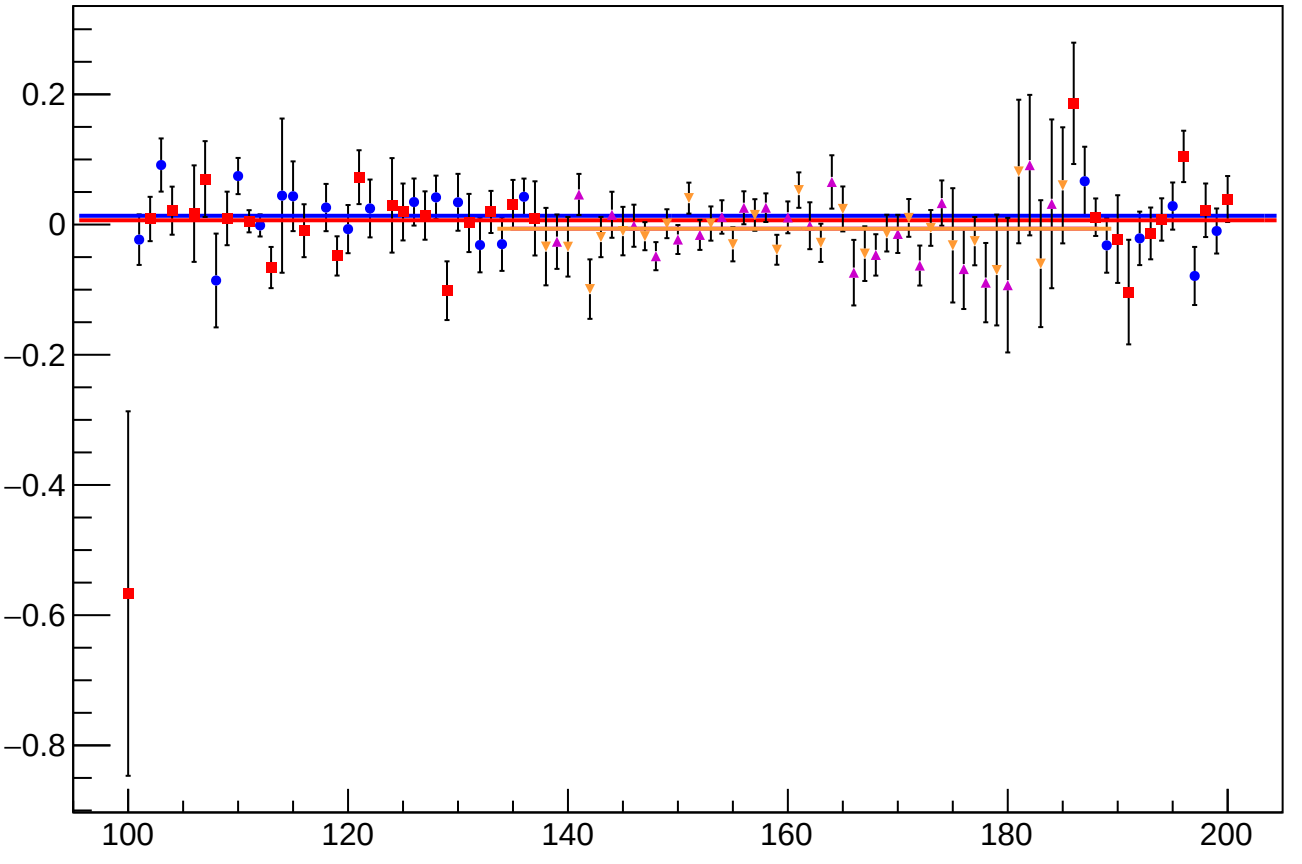
Right Out: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480678.0/46

All: 25.179+/-0.002 χ^2/NDF: 12291807.3/97

- sign 25.374+/-0.003 χ^2/NDF: 5804691.1/50



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

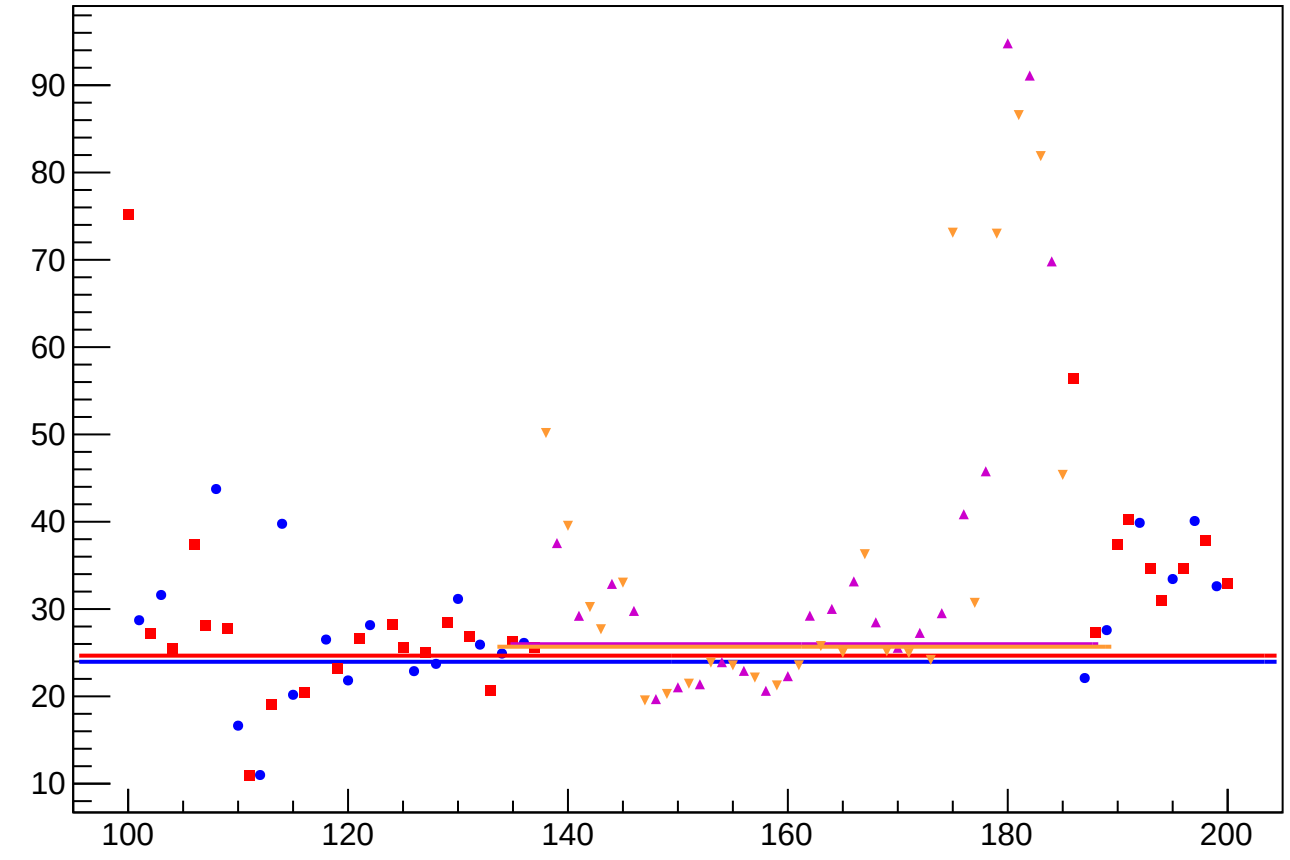
Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/27

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.001+/-0.003 χ^2/NDF: 118.8/97

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

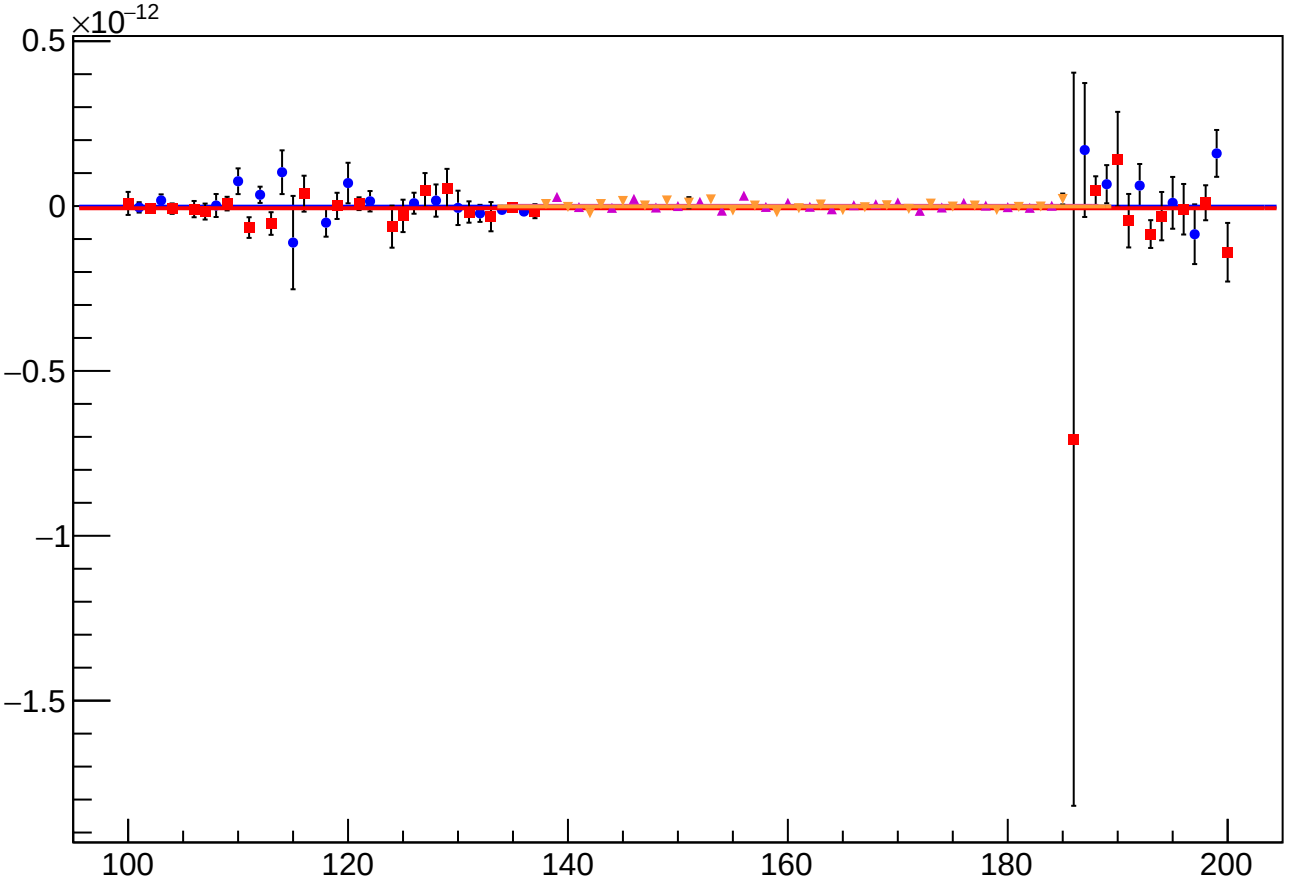
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480678.0/46

All: 25.179+/-0.002 χ^2/NDF: 12291807.3/97

- sign 25.374+/-0.003 χ^2/NDF: 5804691.1/50

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

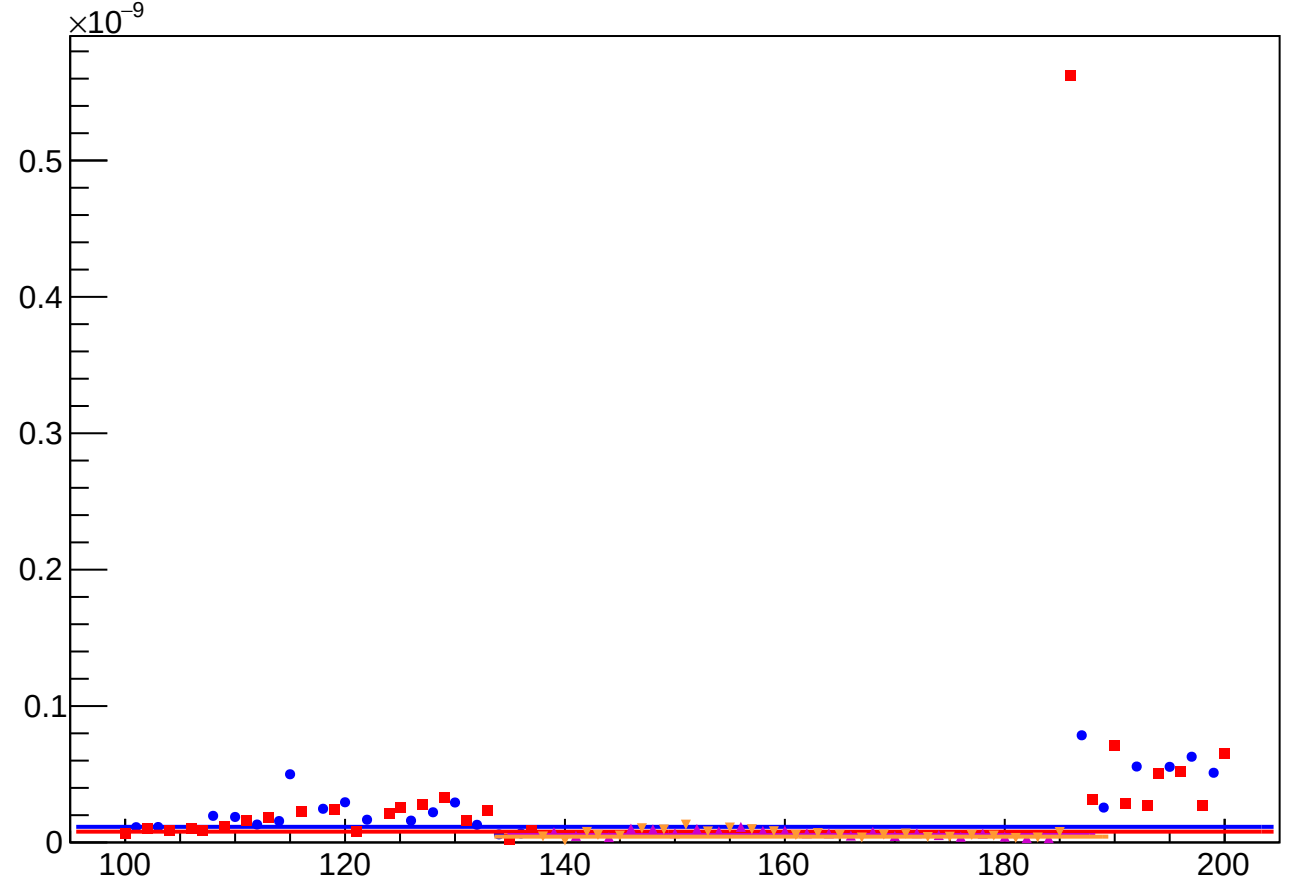
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/46

All: -0.000+/-0.000 χ^2/NDF: 107.7/97

- sign -0.000+/-0.000 χ^2/NDF: 52.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 5176849.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8572068.2/27

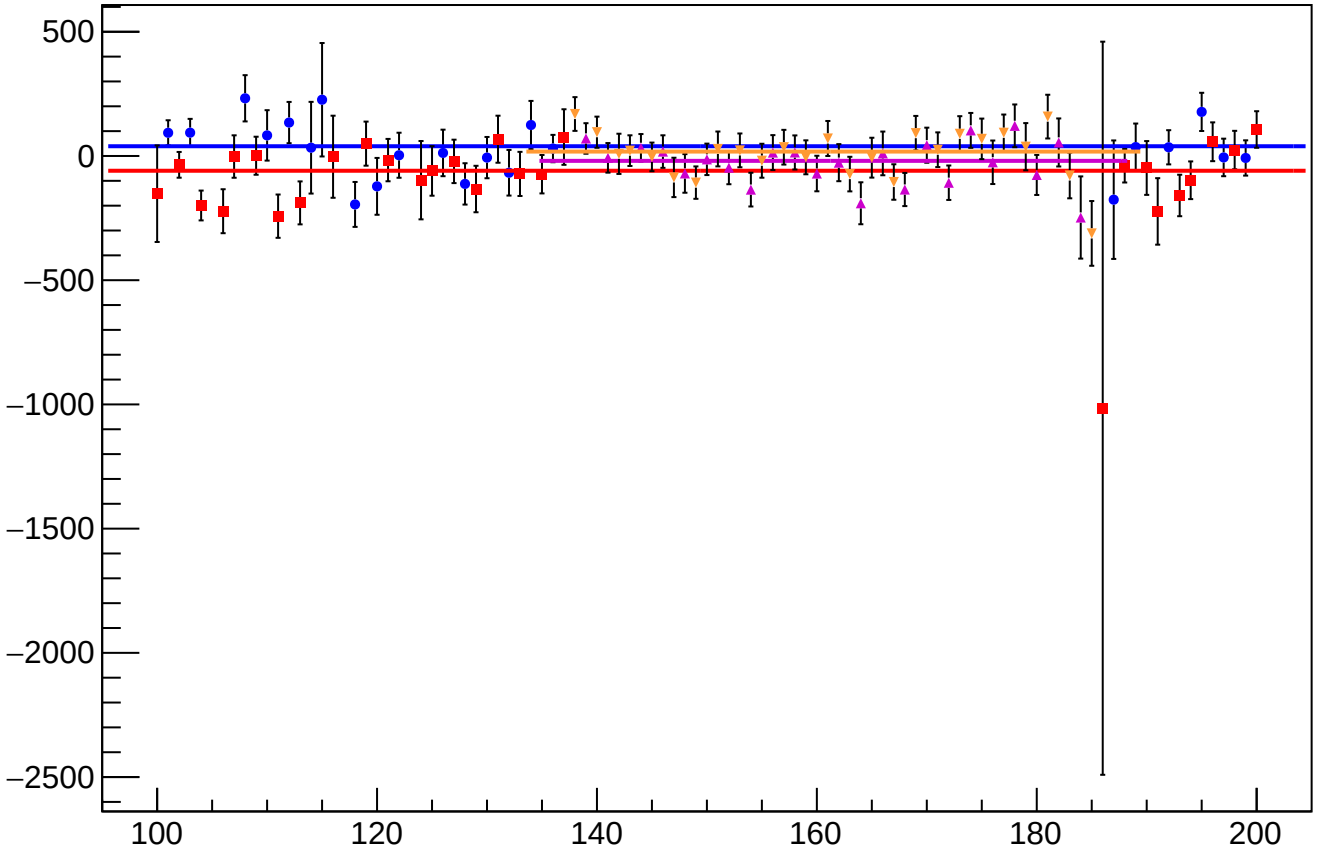
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13888378.3/46

All: 0.000+/-0.000 χ^2/NDF: 26405984.6/97

- sign 0.000+/-0.000 χ^2/NDF: 11966553.1/50

reg_asym_sam_15_avg_mean vs Slug



Right In: 39.229+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -59.438+/-16.340 χ^2/NDF: 35.2/27

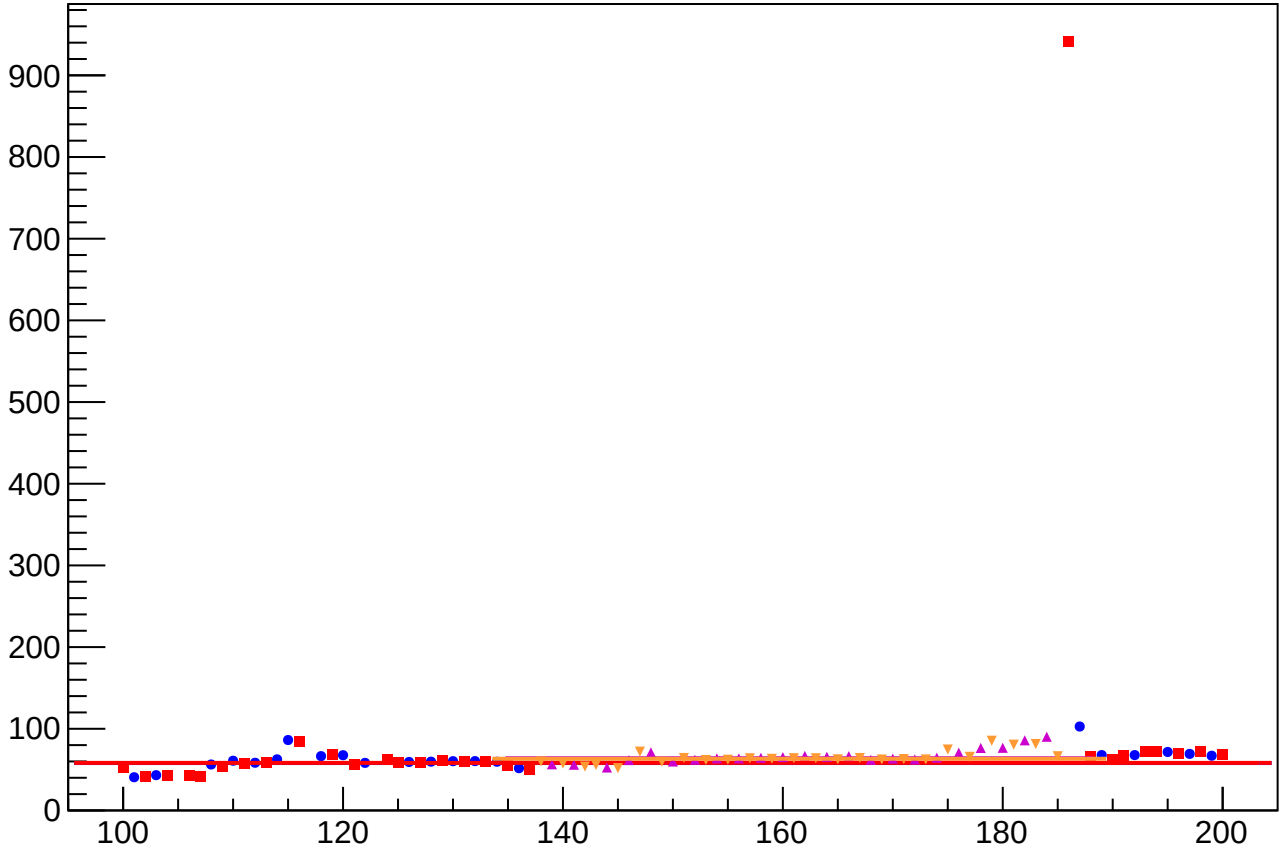
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.547+/-11.151 χ^2/NDF: 60.6/46

All: -5.921+/-7.855 χ^2/NDF: 142.1/97

- sign -37.895+/-11.066 χ^2/NDF: 64.7/50

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745057.0/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.228+/-0.012 χ^2/NDF: 1603518.8/27

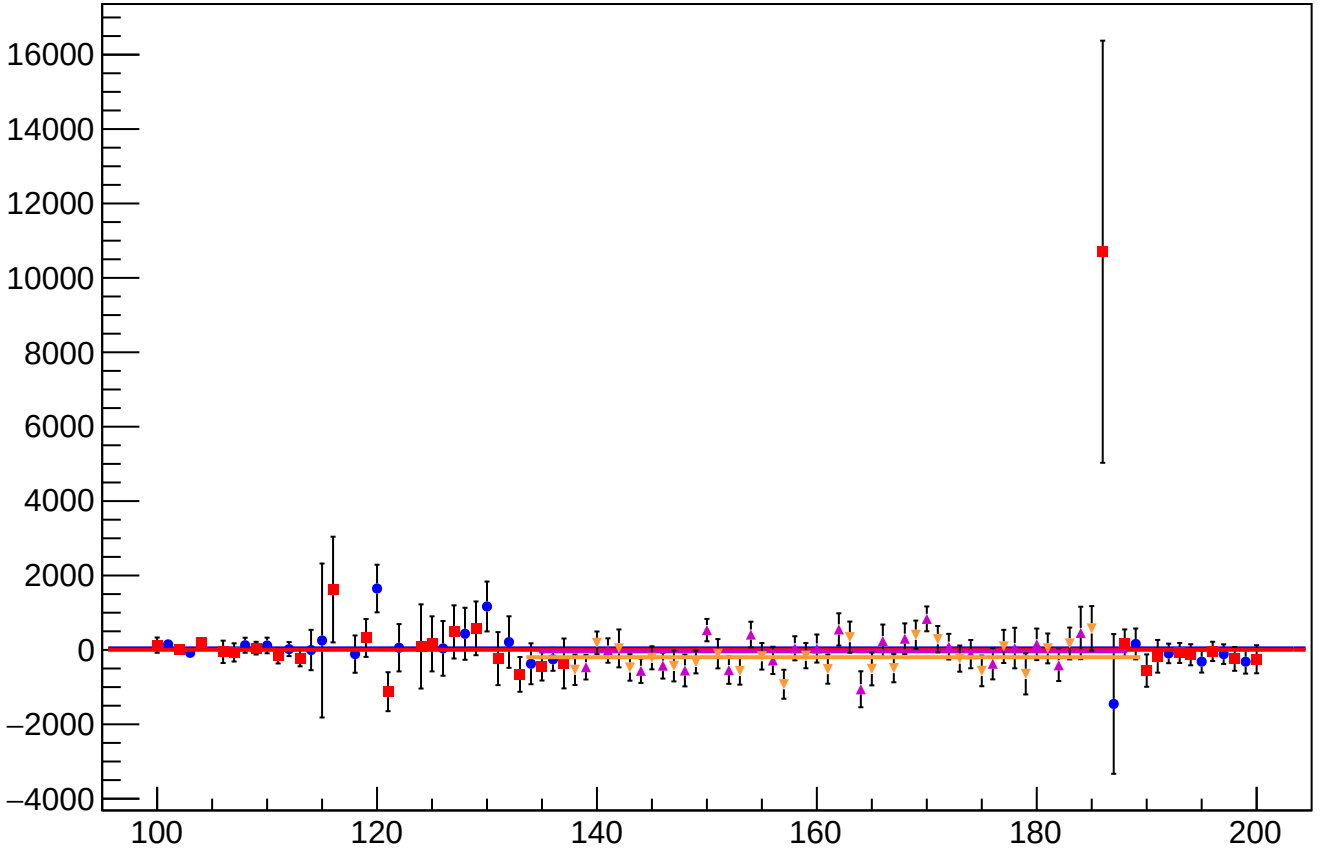
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.169+/-0.008 χ^2/NDF: 1349667.9/46

All: 61.239+/-0.006 χ^2/NDF: 3529959.8/97

- sign 61.308+/-0.008 χ^2/NDF: 2180133.6/50

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 40.864+/-43.881 χ^2/NDF: 20.0/21

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 2.865+/-46.070 χ^2/NDF: 25.2/27

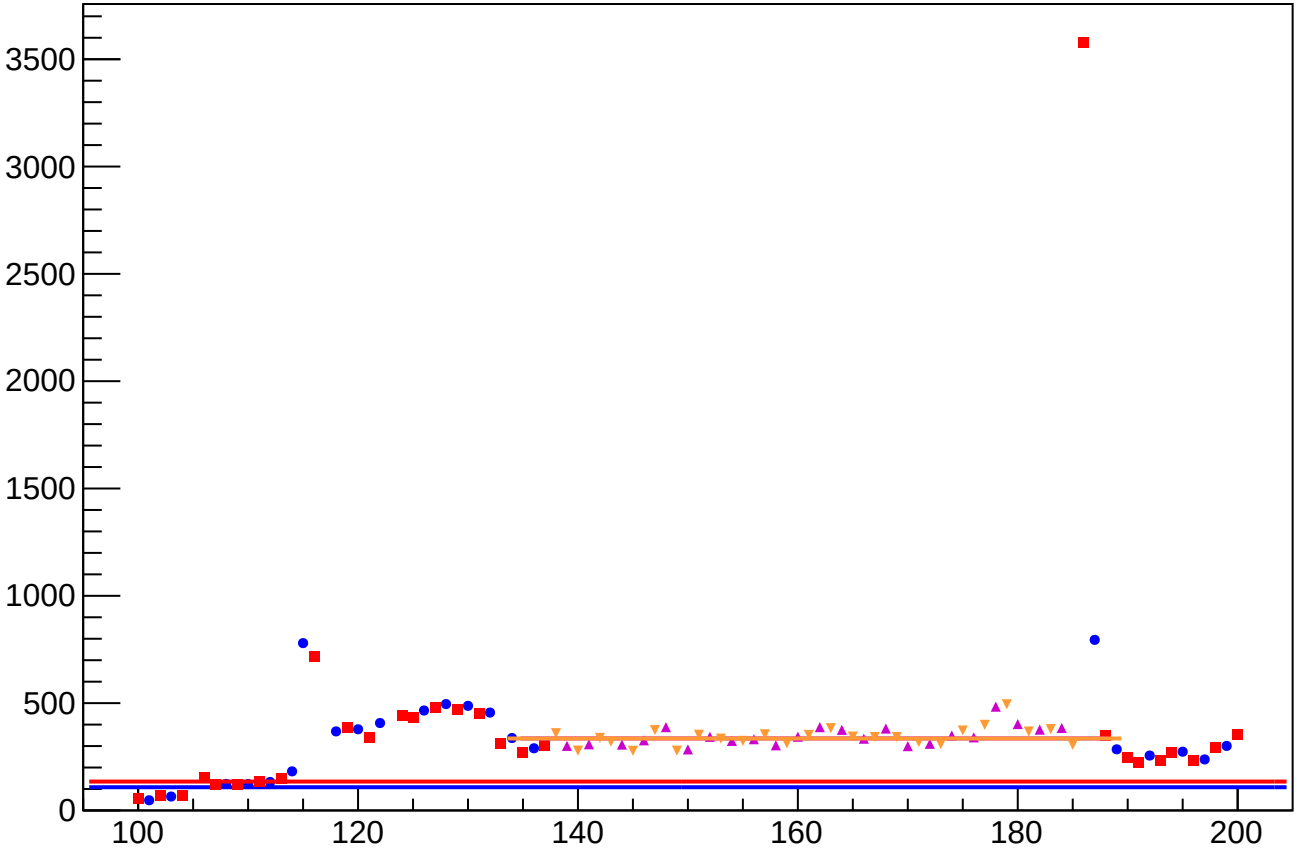
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -17.091+/-38.136 χ^2/NDF: 47.8/46

All: -12.295+/-27.543 χ^2/NDF: 104.3/97

\- sign -7.065+/-39.824 χ^2/NDF: 56.5/50

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 108.178+/-0.031 χ^2/NDF: 10108471.9/21

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 134.596+/-0.033 χ^2/NDF: 9720605.9/27

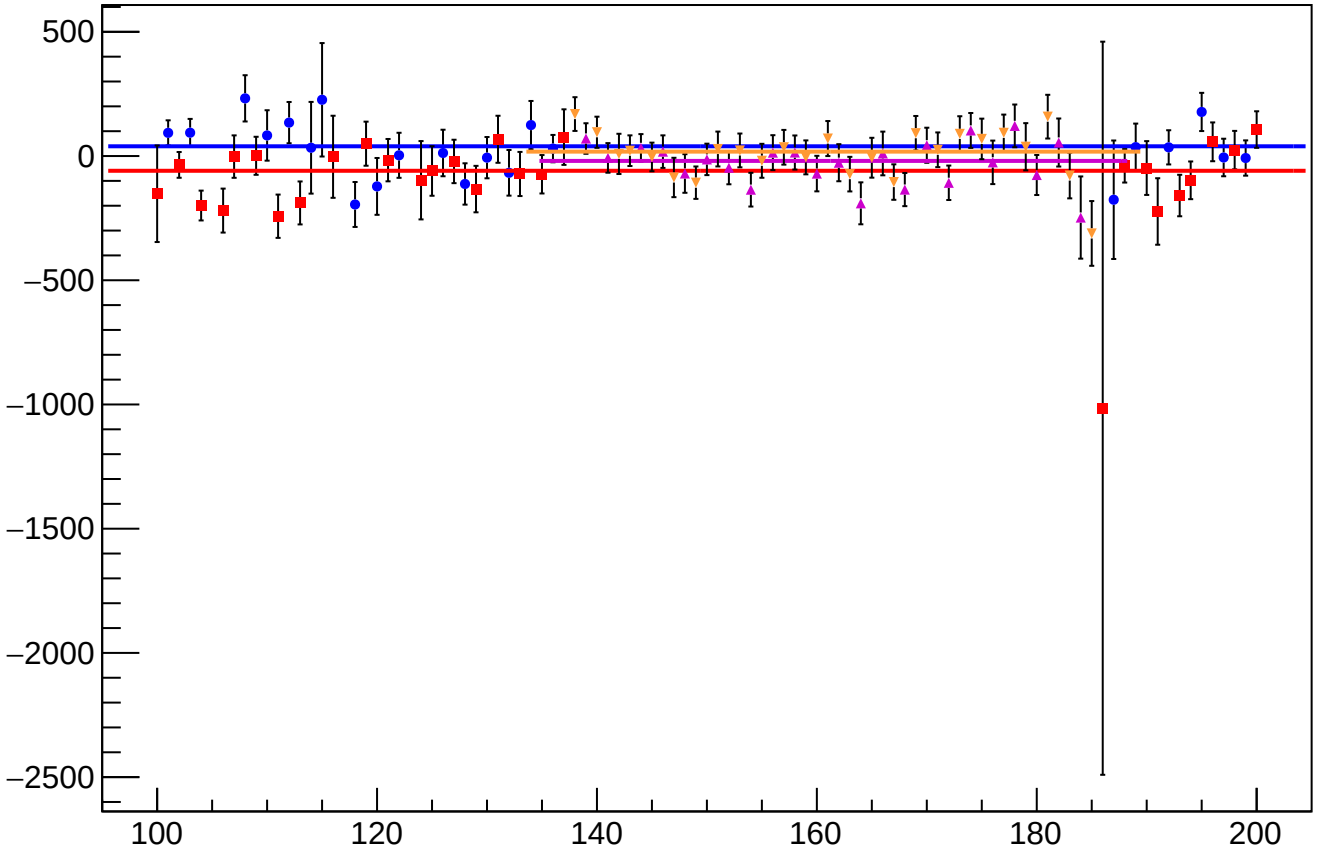
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 163.754+/-0.027 χ^2/NDF: 23781165.9/46

All: 174.102+/-0.019 χ^2/NDF: 43921168.3/97

- sign 185.386+/-0.028 χ^2/NDF: 19832186.9/50

cor_asym_sam_15_avg_mean vs Slug



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -59.345+/-16.340 χ^2/NDF: 35.1/27

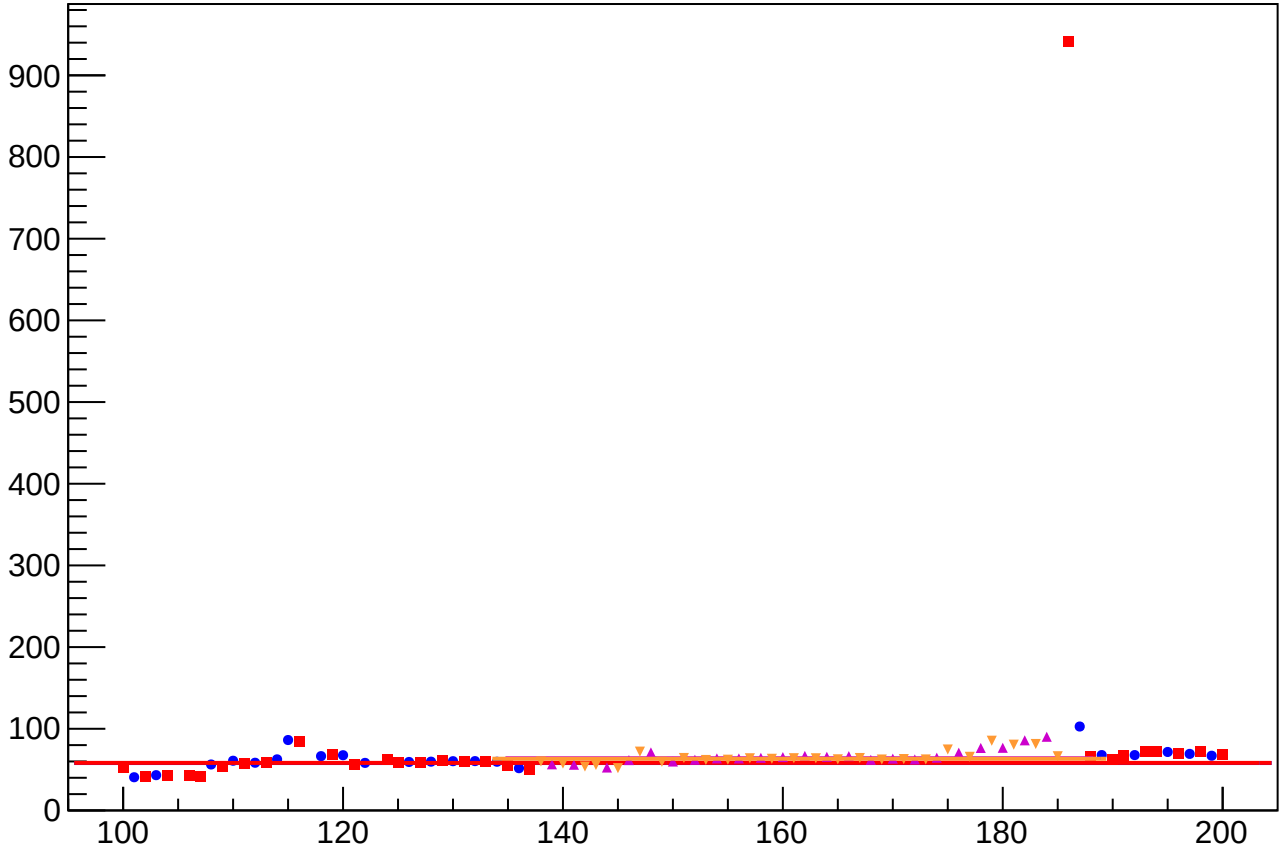
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.553+/-11.151 χ^2/NDF: 60.6/46

All: -5.895+/-7.855 χ^2/NDF: 141.9/97

- sign -37.851+/-11.066 χ^2/NDF: 64.5/50

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

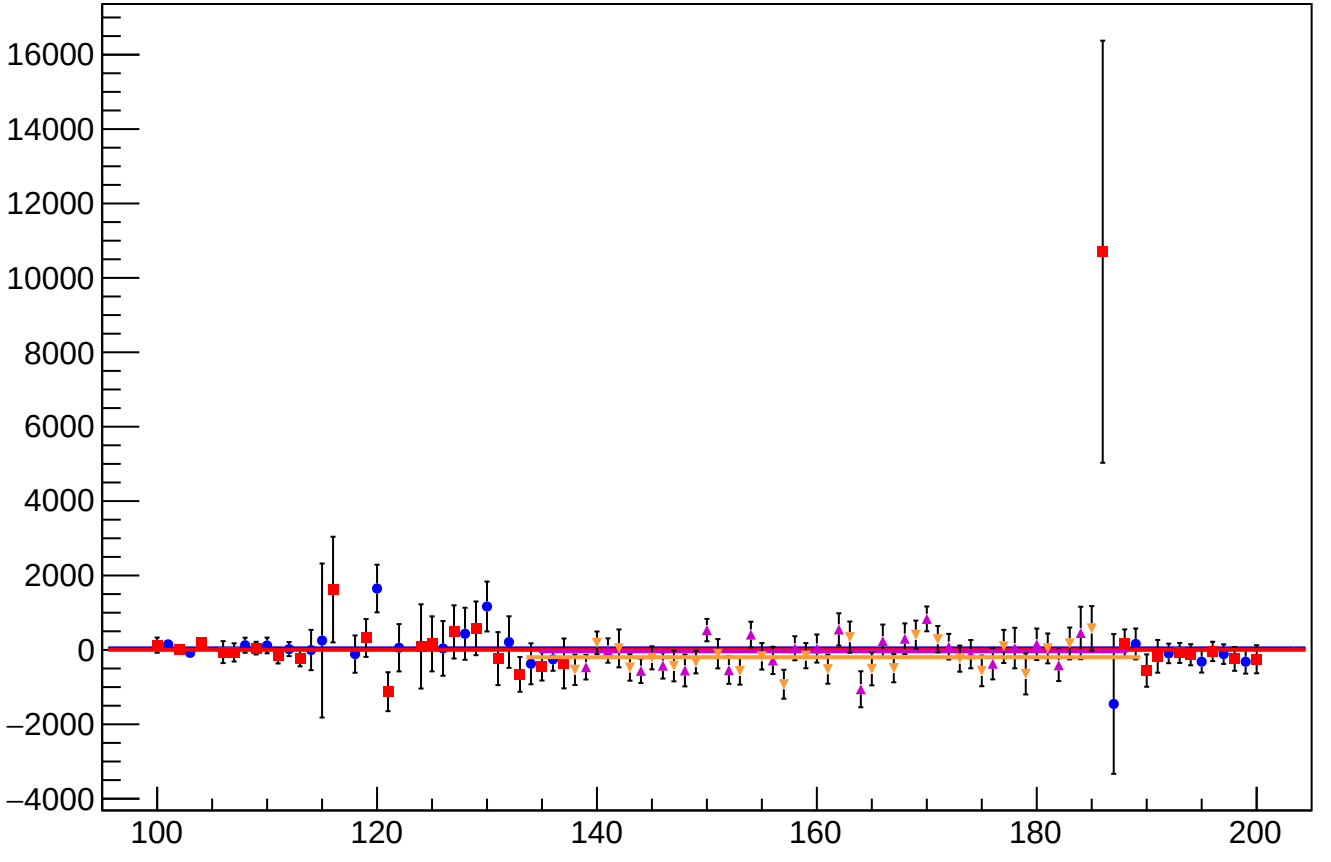
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.169+/-0.008 χ^2/NDF: 1349666.8/46

All: 61.239+/-0.006 χ^2/NDF: 3530407.3/97

\- sign 61.308+/-0.008 χ^2/NDF: 2180583.0/50

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 2.528+/-46.037 χ^2/NDF: 25.2/27

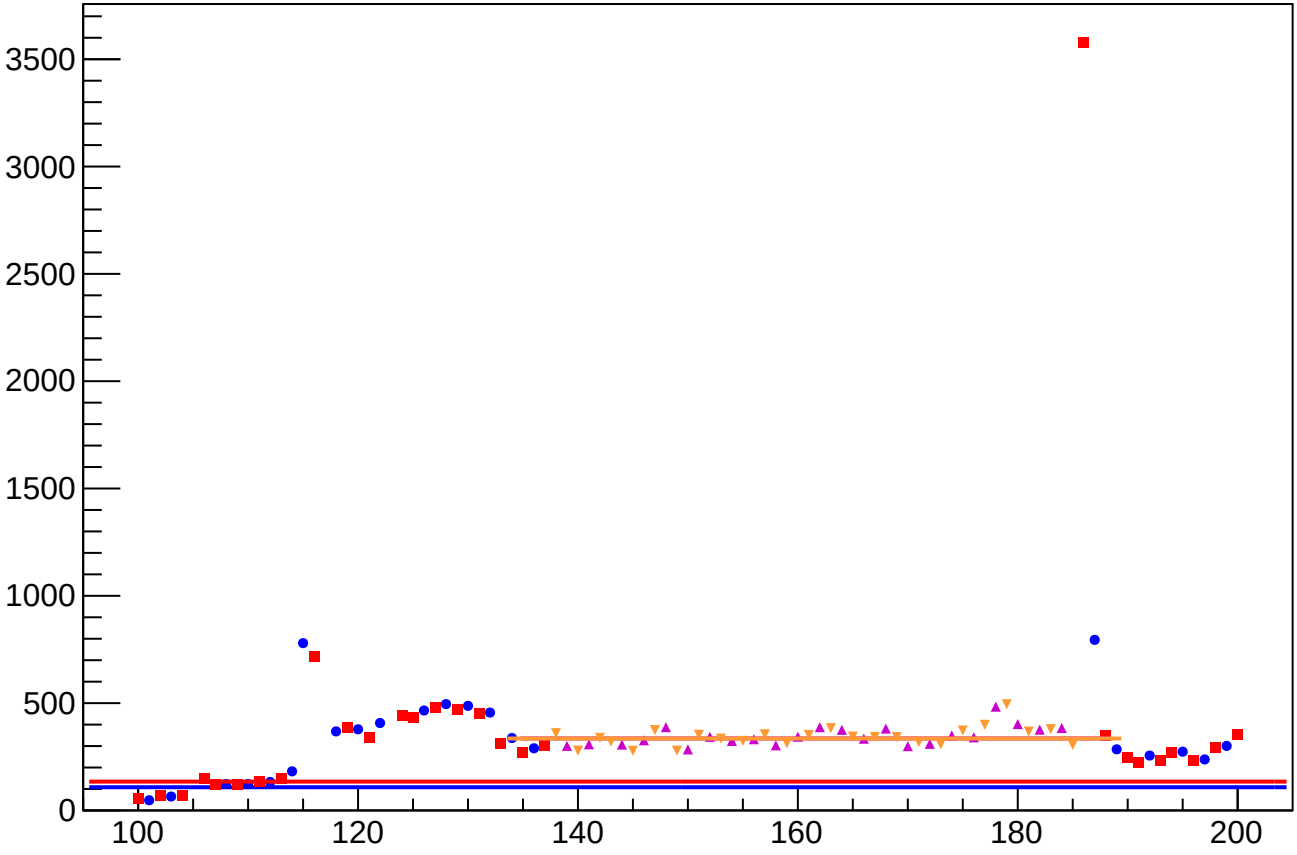
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -17.085+/-38.135 χ^2/NDF: 47.8/46

All: -12.404+/-27.536 χ^2/NDF: 104.3/97

- sign -7.305+/-39.803 χ^2/NDF: 56.5/50

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

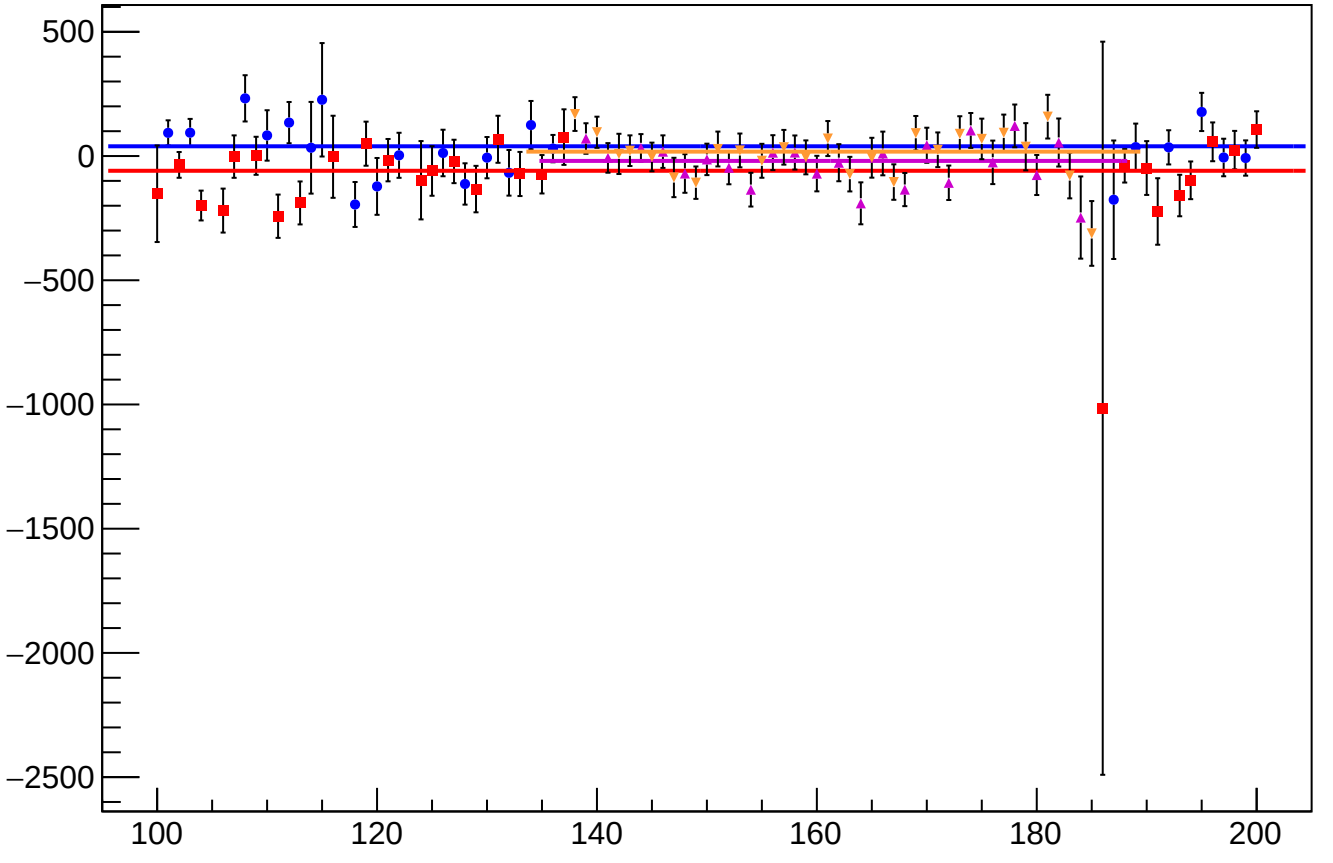
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 163.750+/-0.027 χ^2/NDF: 23781835.3/46

All: 174.012+/-0.019 χ^2/NDF: 43938373.6/97

- sign 185.191+/-0.028 χ^2/NDF: 19853942.3/50

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -59.345+/-16.340 χ^2/NDF: 35.1/27

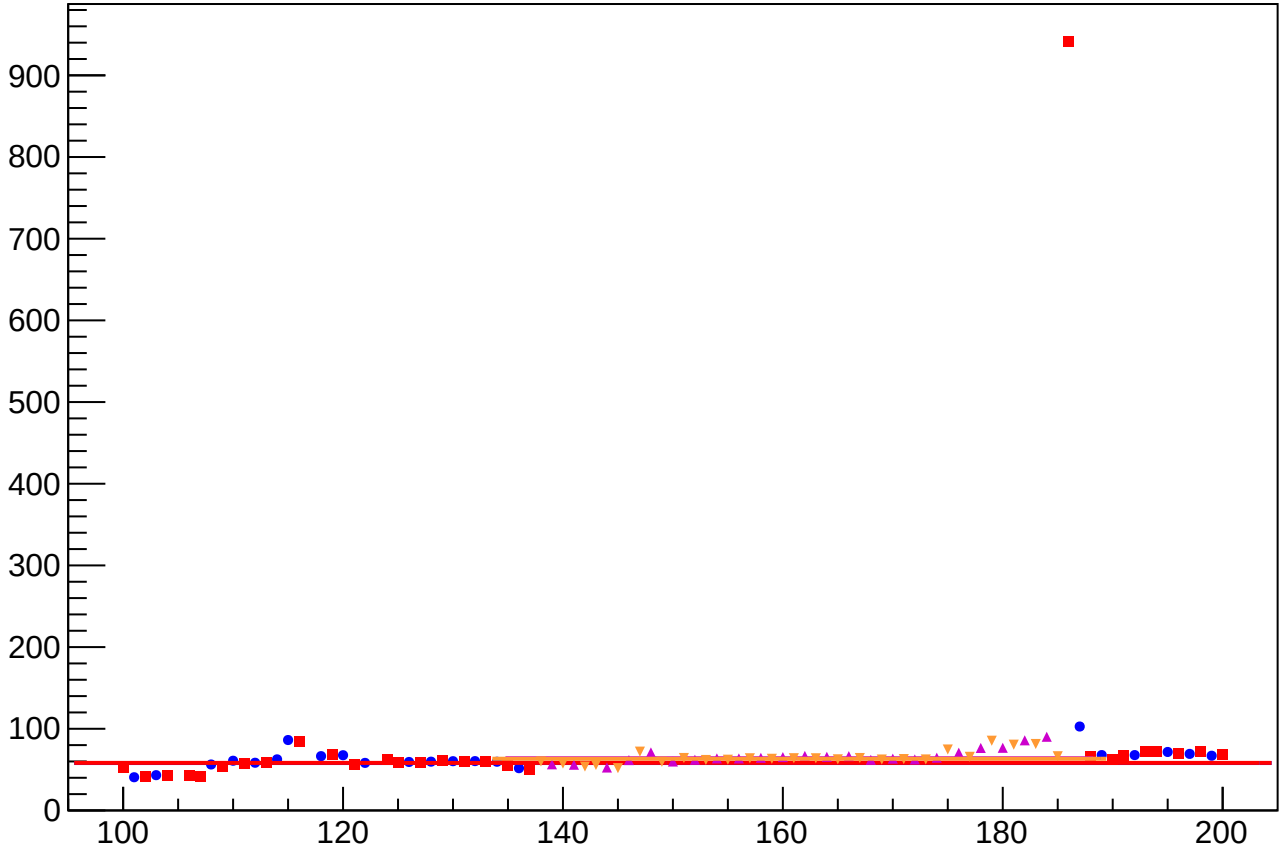
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.553+/-11.151 χ^2/NDF: 60.6/46

All: -5.895+/-7.855 χ^2/NDF: 141.9/97

- sign -37.851+/-11.066 χ^2/NDF: 64.5/50

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

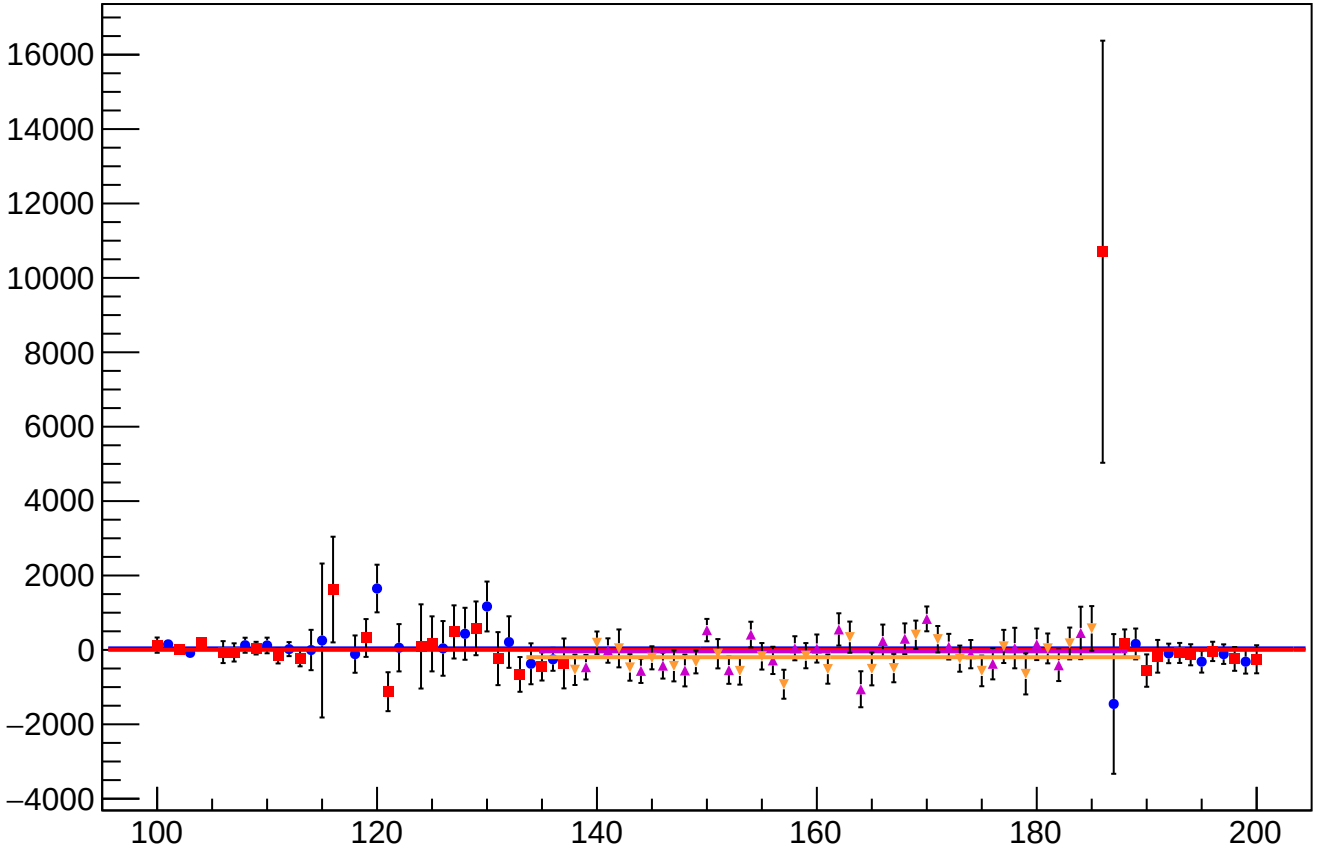
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.169+/-0.008 χ^2/NDF: 1349666.8/46

All: 61.239+/-0.006 χ^2/NDF: 3530407.3/97

- sign 61.308+/-0.008 χ^2/NDF: 2180583.0/50

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

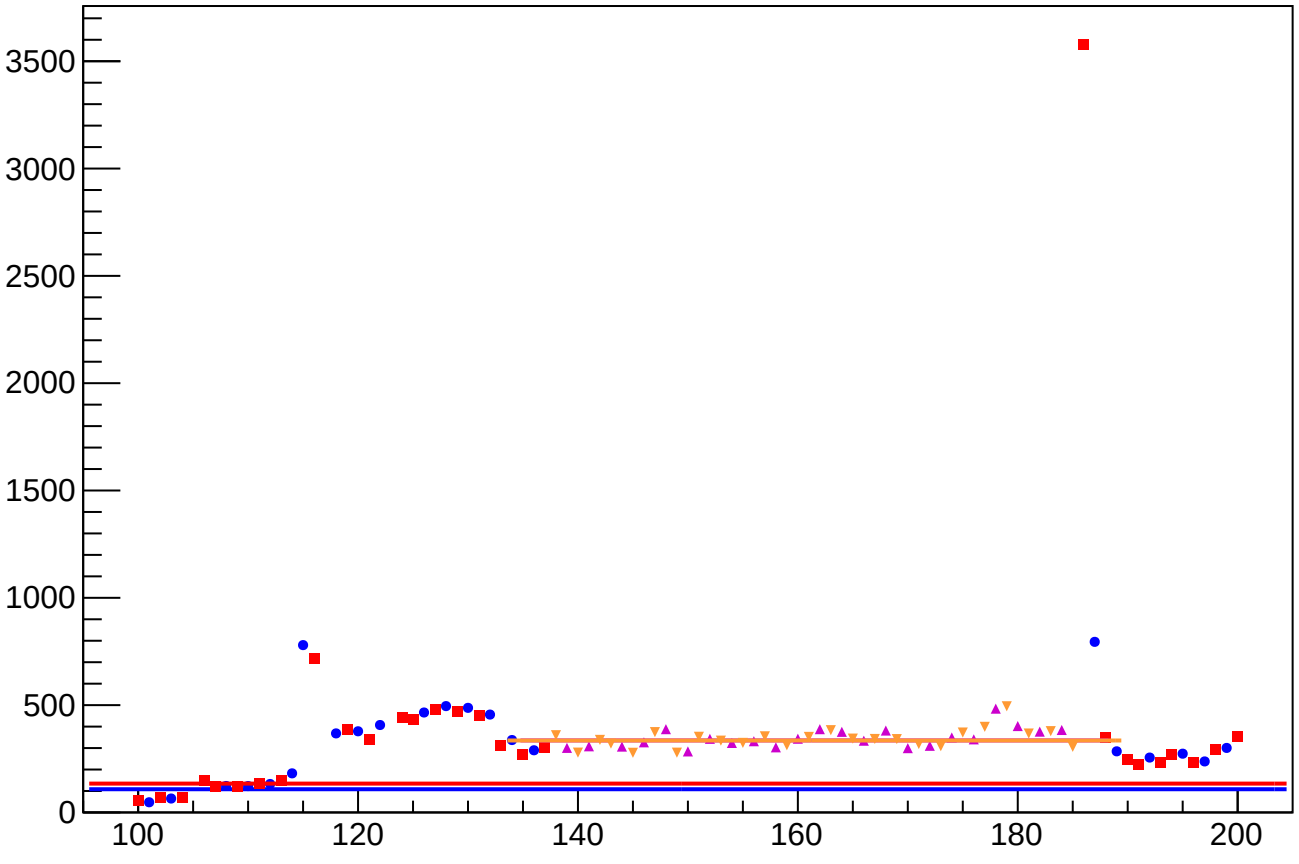
Right Out: 2.528+/-46.037 χ^2/NDF: 25.2/27

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -17.085+/-38.135 χ^2/NDF: 47.8/46

All: -12.404+/-27.536 χ^2/NDF: 104.3/97

- sign -7.305+/-39.803 χ^2/NDF: 56.5/50



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

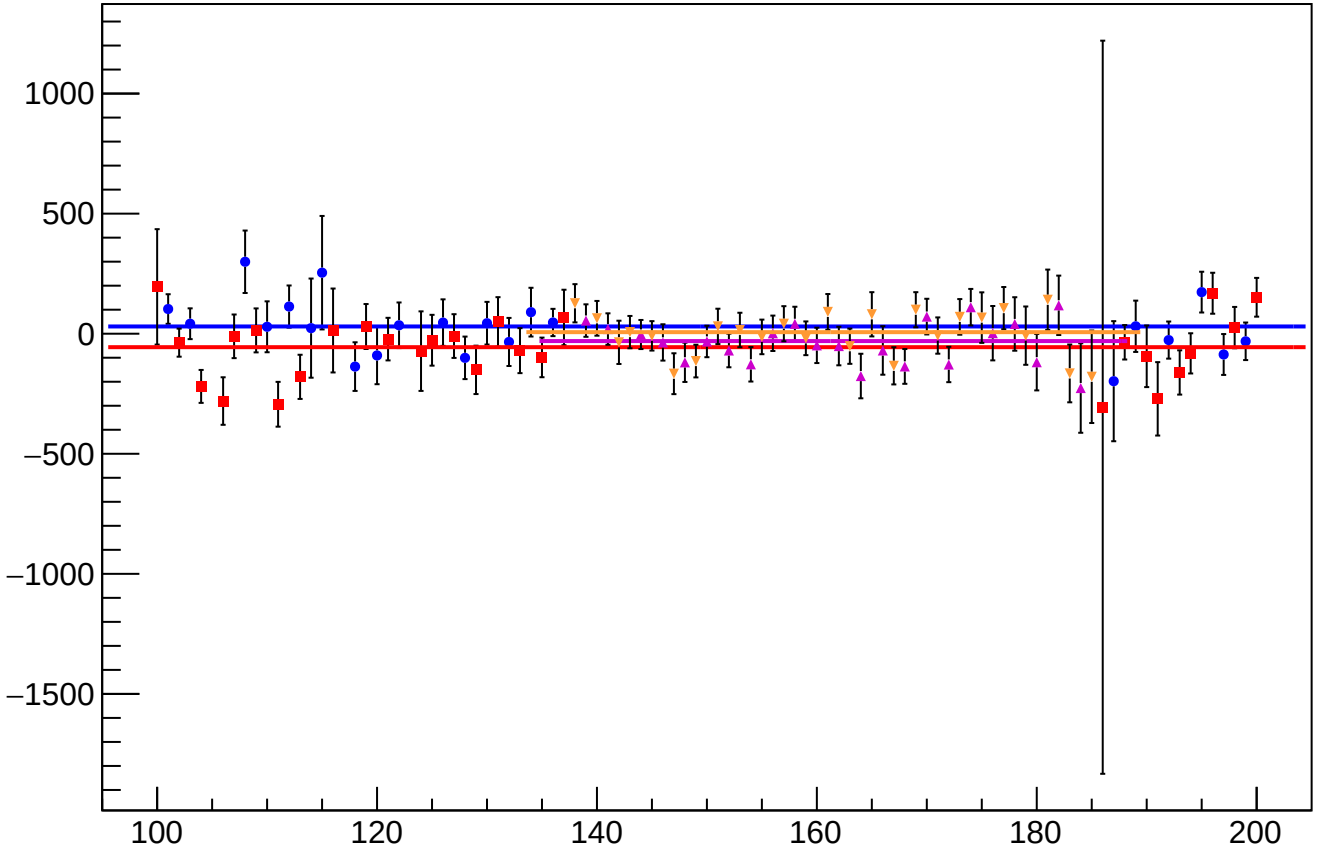
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 163.750+/-0.027 χ^2/NDF: 23781835.3/46

All: 174.012+/-0.019 χ^2/NDF: 43938373.6/97

- sign 185.191+/-0.028 χ^2/NDF: 19853942.3/50

dit_asym_sam_15_avg_mean vs Slug



Right In: 30.166+/-19.301 χ^2/NDF: 21.0/21

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -56.092+/-17.867 χ^2/NDF: 44.0/27

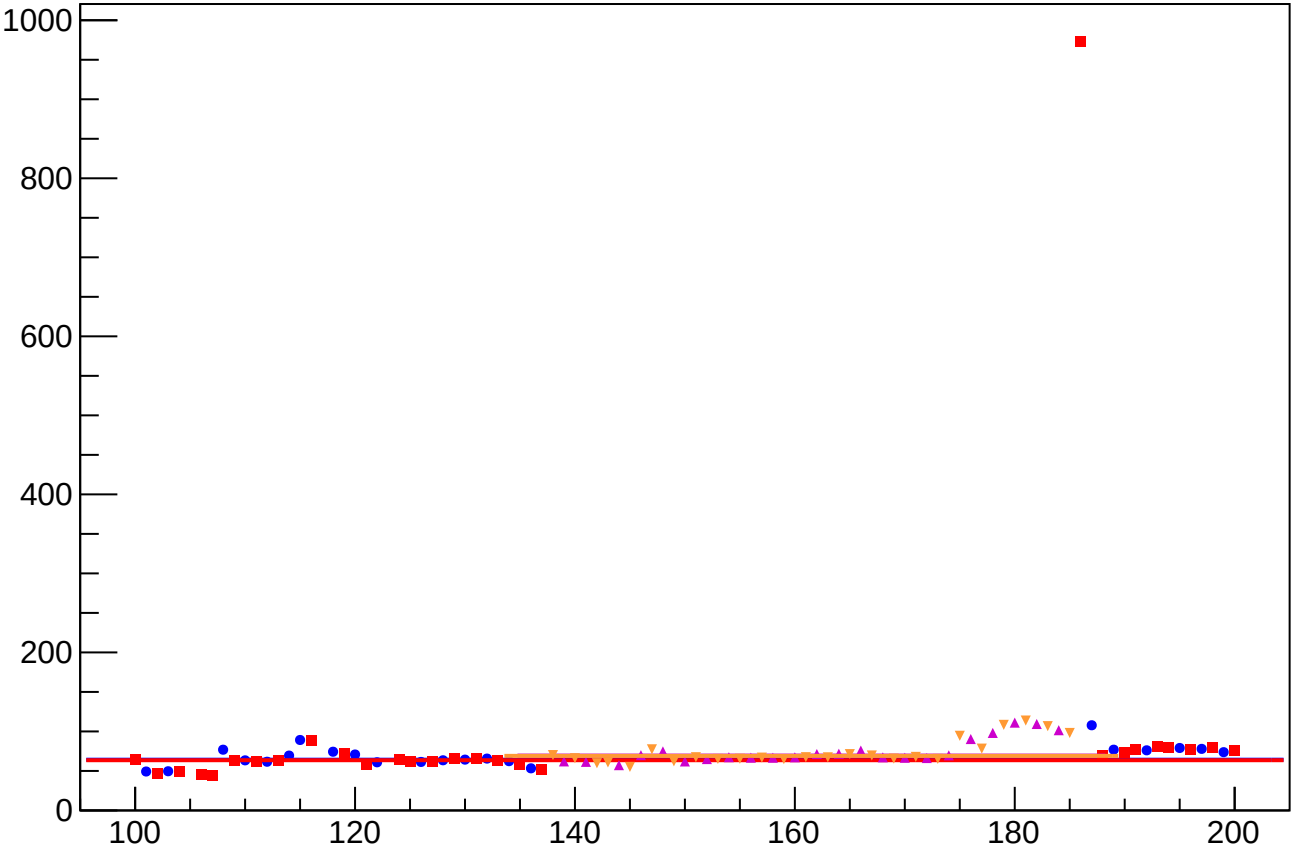
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.105+/-12.308 χ^2/NDF: 47.0/46

All: -13.573+/-8.637 χ^2/NDF: 126.0/97

- sign -42.369+/-12.123 χ^2/NDF: 67.6/50

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.229+/-0.014 χ^2/NDF: 650123.8/21

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 63.585+/-0.013 χ^2/NDF: 1561109.9/27

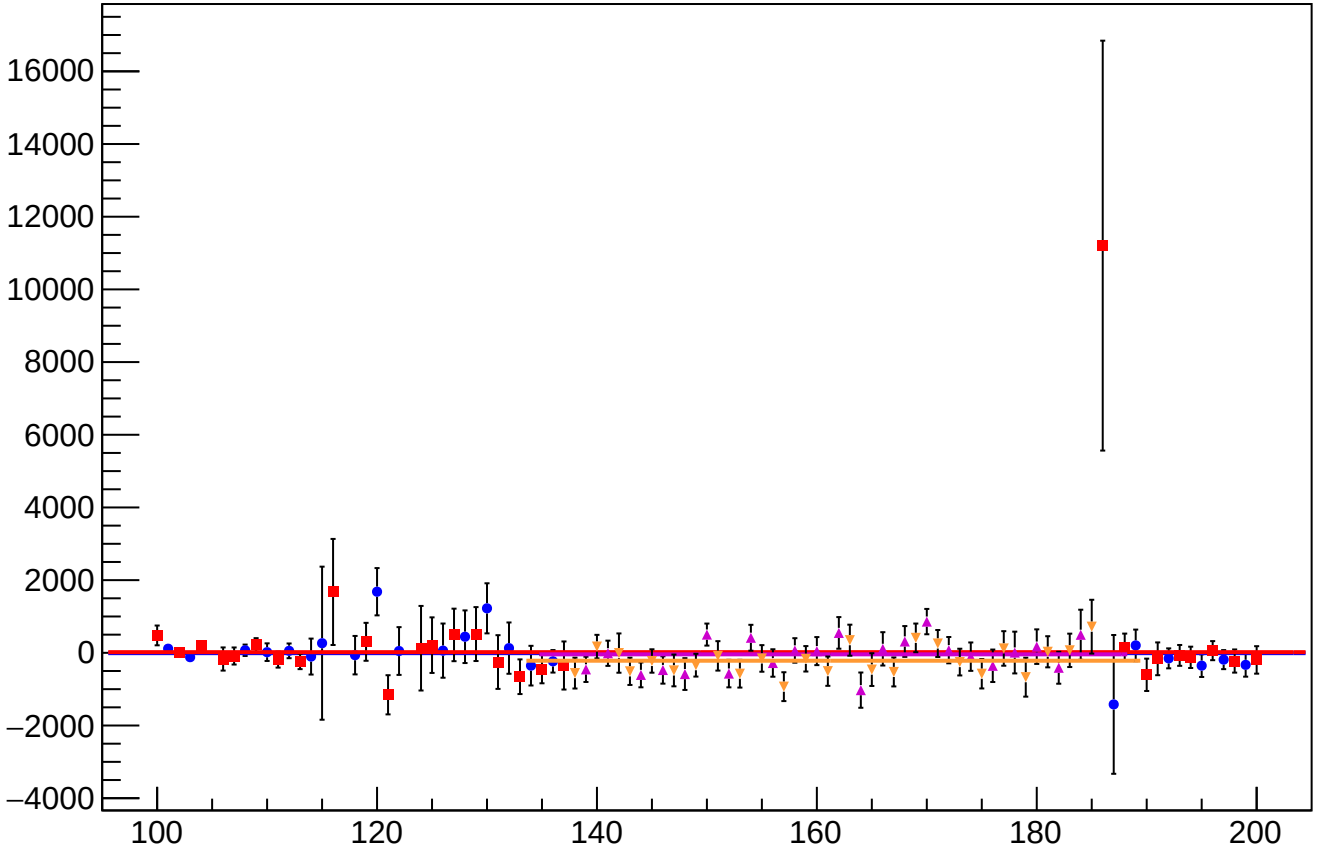
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.107+/-0.009 χ^2/NDF: 1799052.1/46

All: 66.922+/-0.006 χ^2/NDF: 4401386.1/97

- sign 66.743+/-0.009 χ^2/NDF: 2601447.2/50

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 18.464+/-48.477 χ^2/NDF: 29.2/27

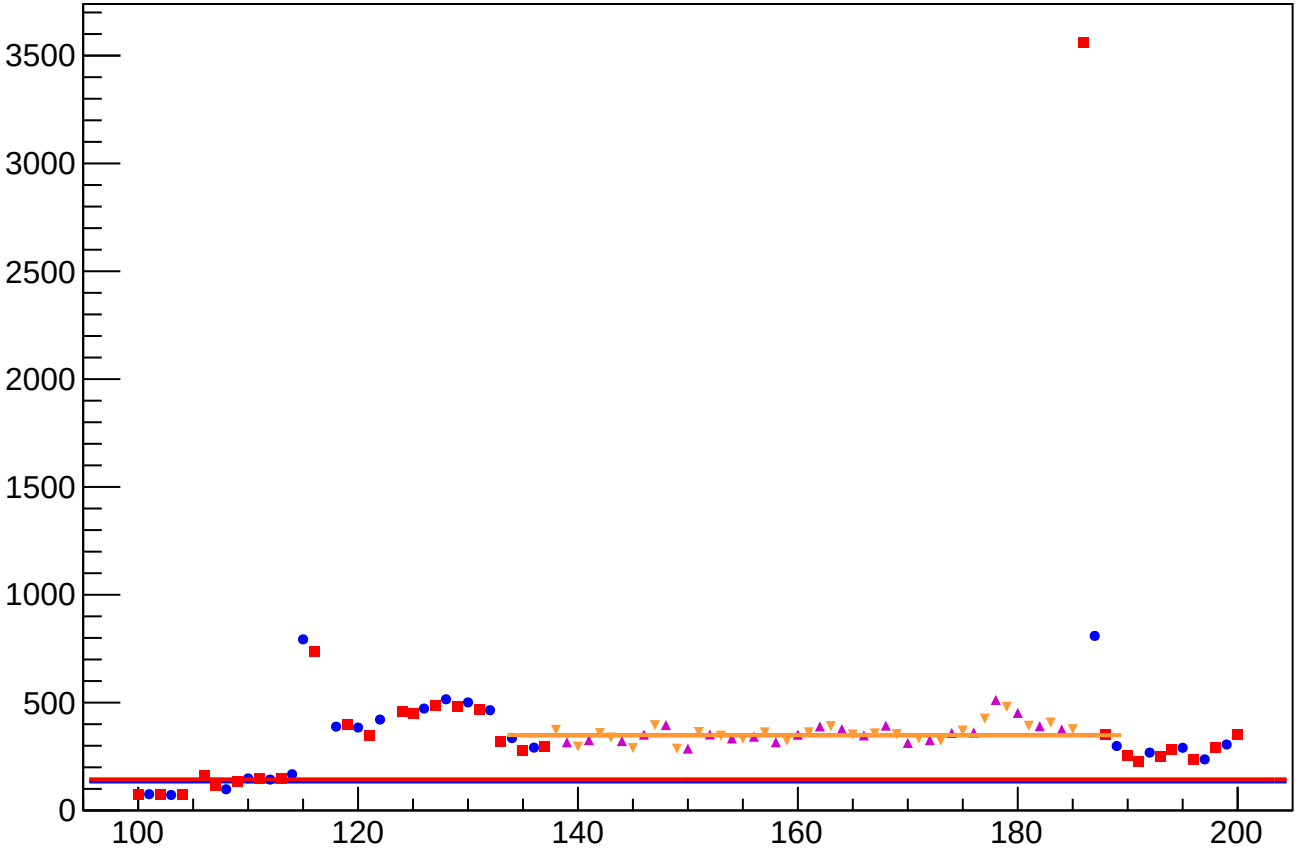
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -67.143+/-42.364 χ^2/NDF: 42.9/46

All: -31.569+/-29.741 χ^2/NDF: 103.8/97

- sign 3.003+/-41.764 χ^2/NDF: 59.6/50

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 134.376+/-0.035 χ^2/NDF: 8306343.7/21

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 144.225+/-0.034 χ^2/NDF: 9226819.9/27

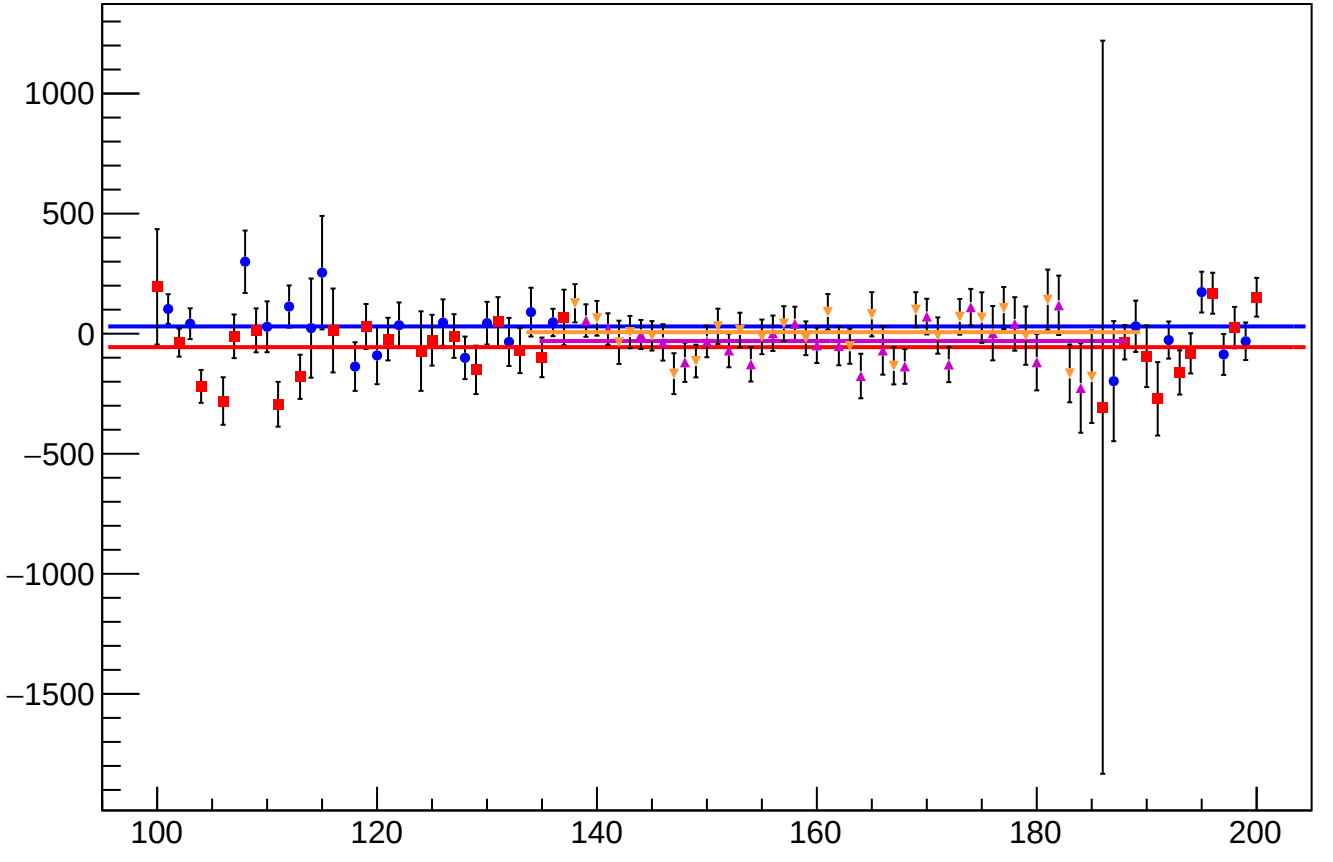
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 194.412+/-0.030 χ^2/NDF: 19184473.0/46

All: 195.674+/-0.021 χ^2/NDF: 38100820.2/97

- sign 196.899+/-0.030 χ^2/NDF: 18912852.0/50

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 30.167+/-19.301 χ^2/NDF: 21.0/21

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -56.092+/-17.867 χ^2/NDF: 44.0/27

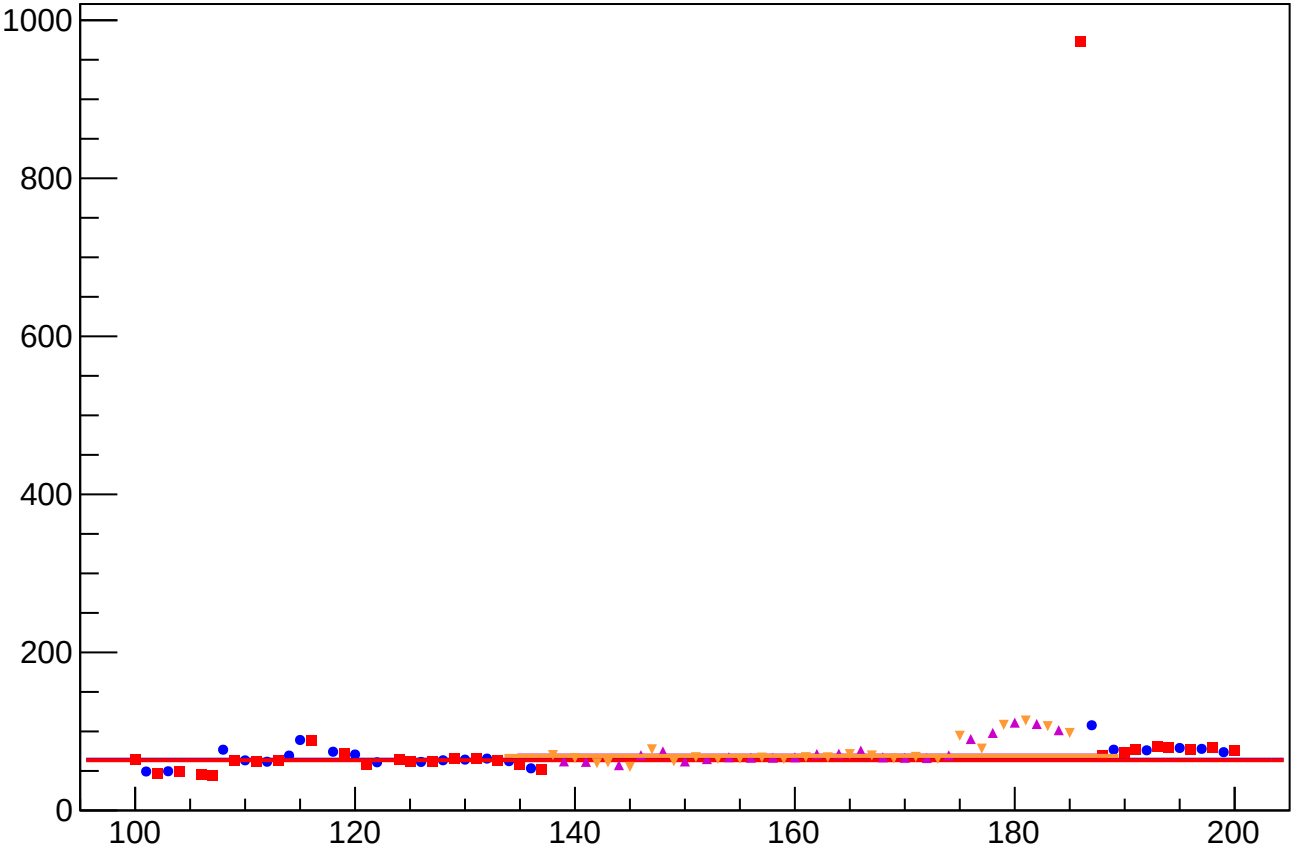
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.105+/-12.308 χ^2/NDF: 47.0/46

All: -13.573+/-8.637 χ^2/NDF: 126.0/97

- sign -42.369+/-12.123 χ^2/NDF: 67.6/50

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.229+/-0.014 χ^2/NDF: 650123.3/21

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

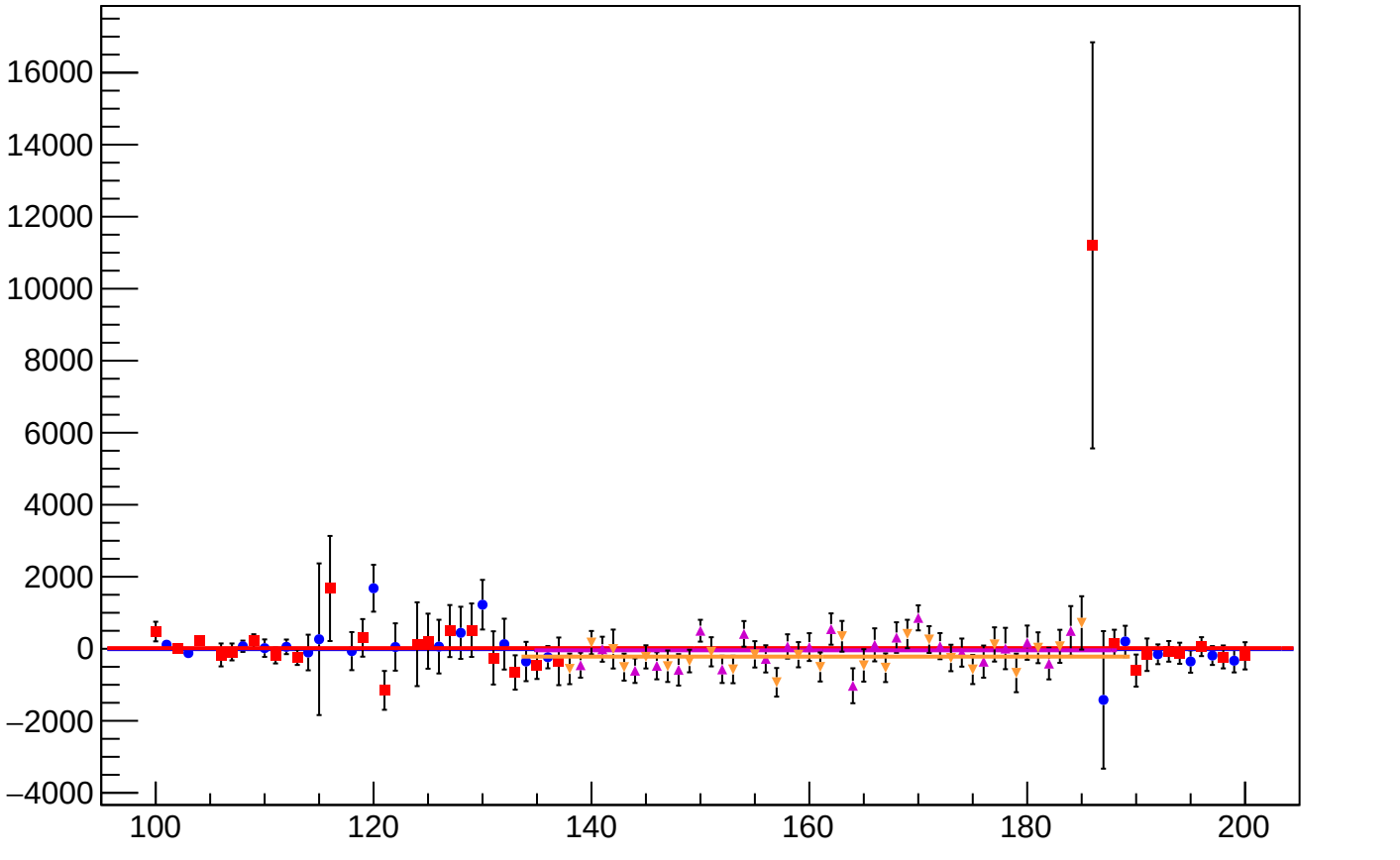
Right Out: 63.585+/-0.013 χ^2/NDF: 1561107.8/27

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.107+/-0.009 χ^2/NDF: 1799038.9/46

All: 66.922+/-0.006 χ^2/NDF: 4401363.5/97

- sign 66.743+/-0.009 χ^2/NDF: 2601437.9/50



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 18.464+/-48.477 χ^2/NDF: 29.2/27

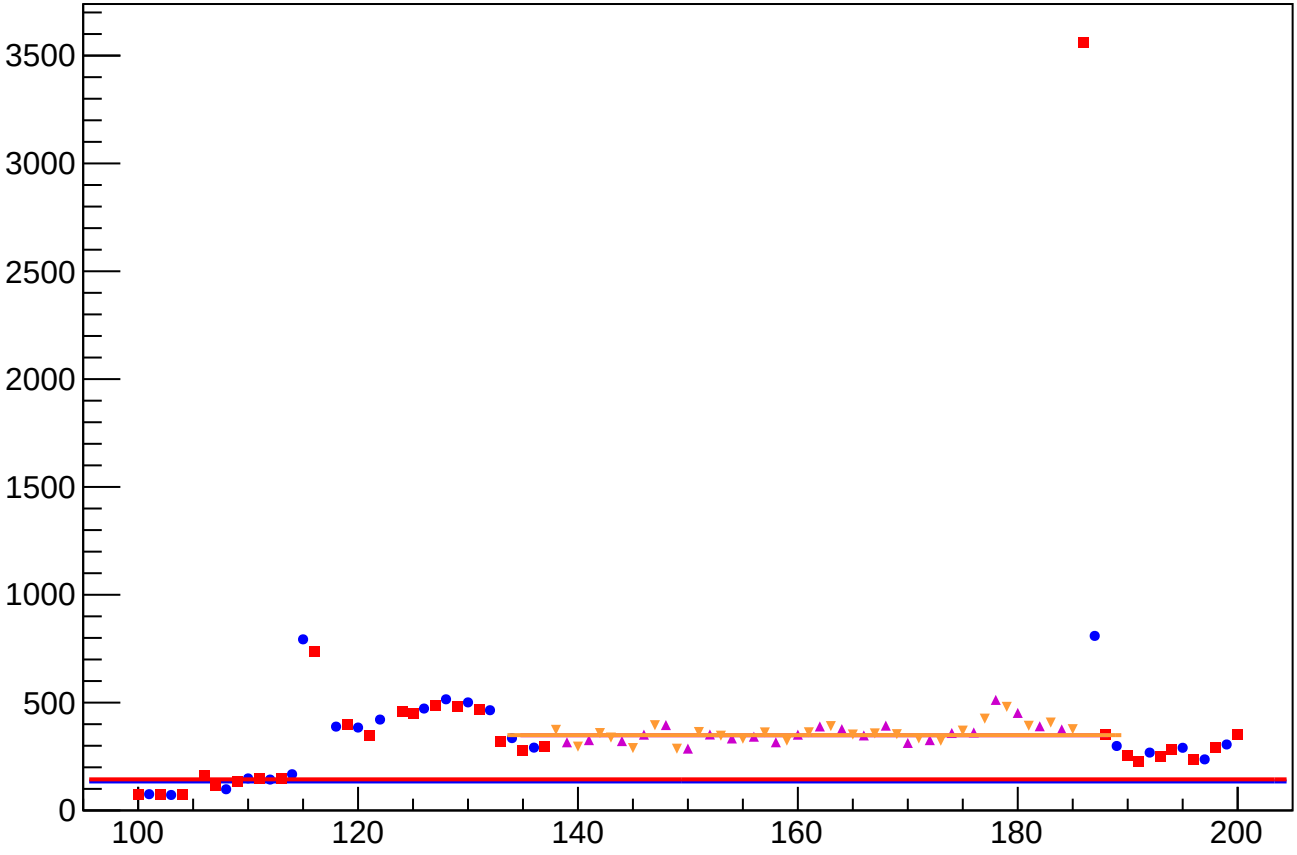
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -67.143+/-42.364 χ^2/NDF: 42.9/46

All: -31.569+/-29.741 χ^2/NDF: 103.8/97

- sign 3.003+/-41.764 χ^2/NDF: 59.6/50

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 134.376+/-0.035 χ^2/NDF: 8306352.4/21

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 144.224+/-0.034 χ^2/NDF: 9226855.9/27

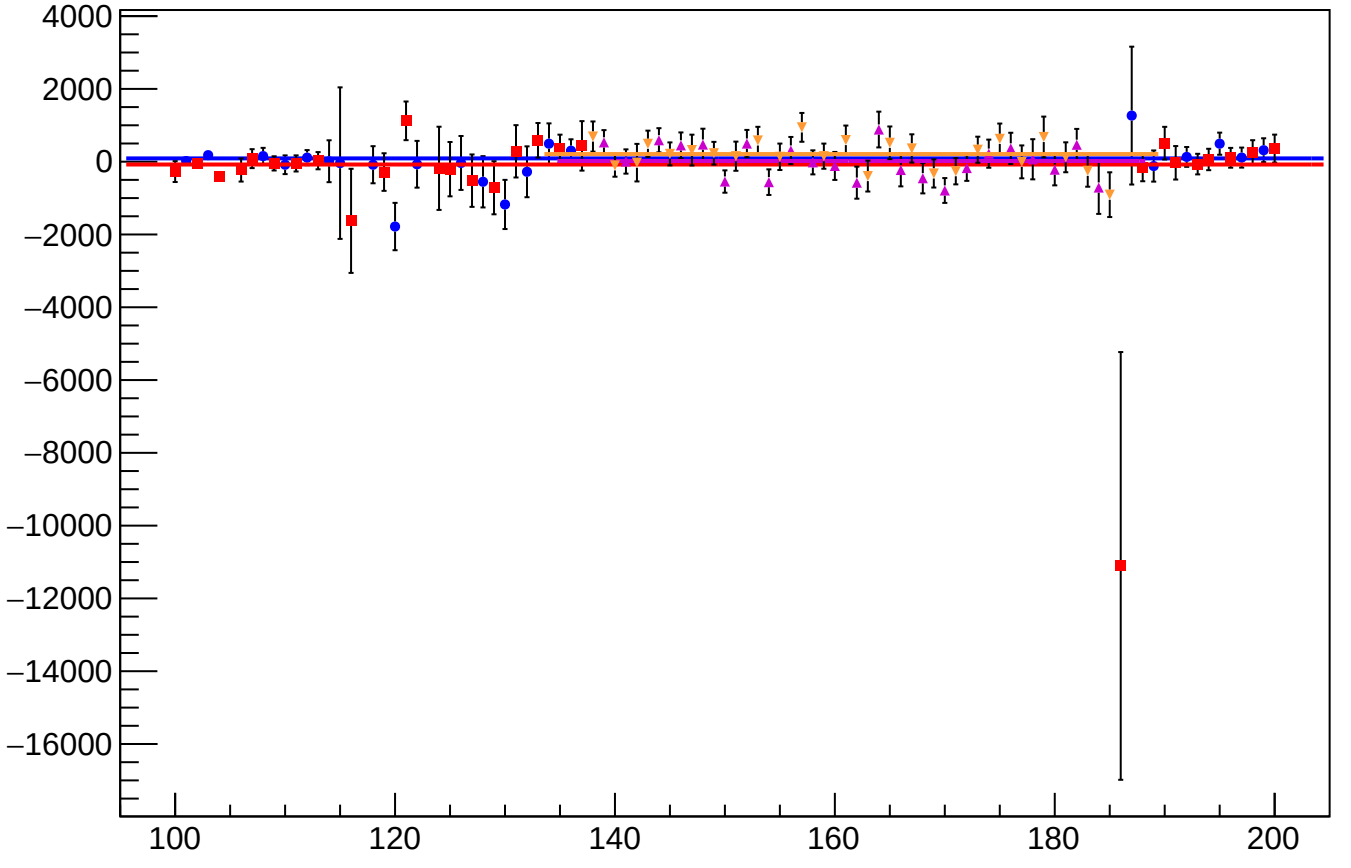
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 194.412+/-0.030 χ^2/NDF: 19184539.9/46

All: 195.673+/-0.021 χ^2/NDF: 38100995.4/97

- sign 196.899+/-0.030 χ^2/NDF: 18912960.7/50

asym_sam_15_avg_mean vs Slug



Right In: 90.356+/-54.376 χ^2/NDF: 18.8/21

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -77.496+/-52.110 χ^2/NDF: 30.0/27

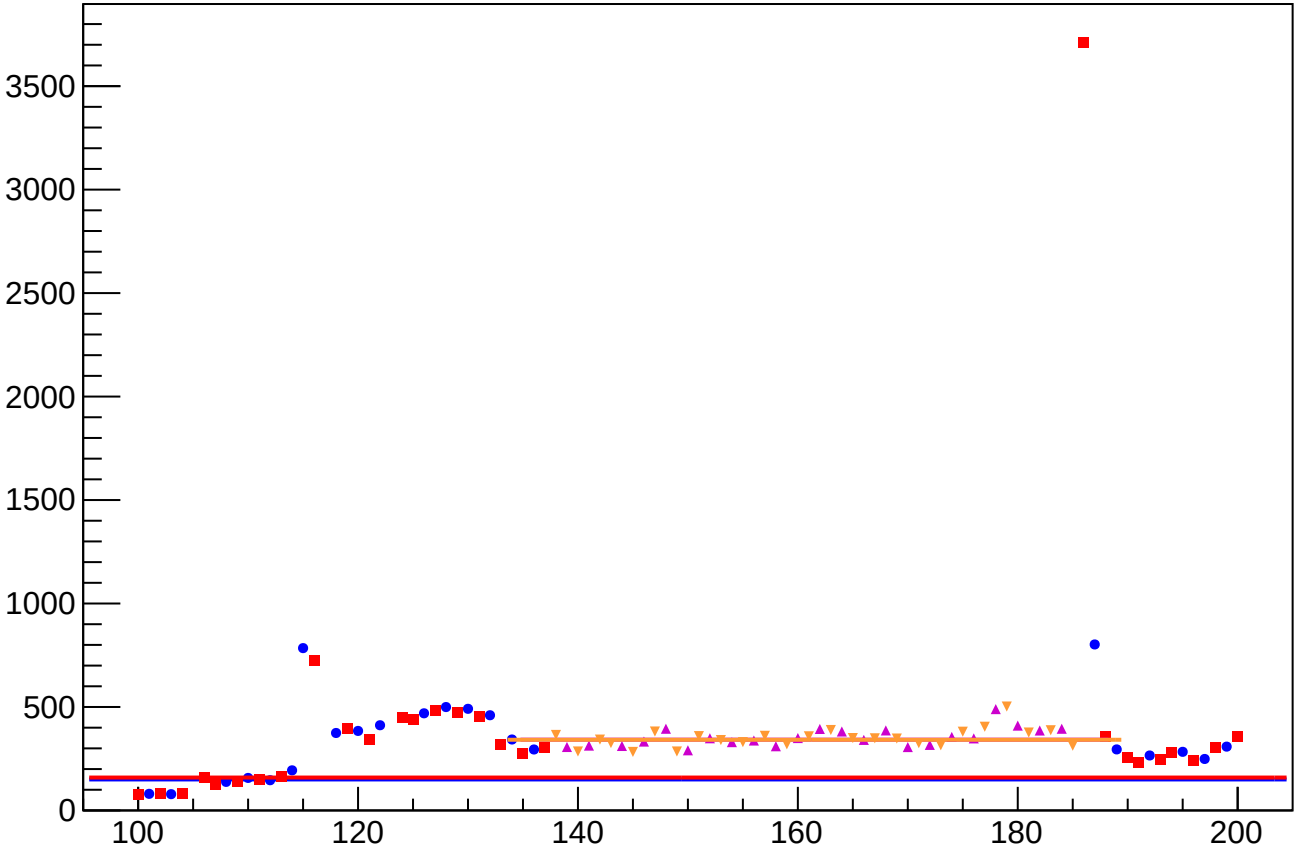
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 129.083+/-44.701 χ^2/NDF: 41.8/46

All: 38.090+/-31.277 χ^2/NDF: 112.9/97

- sign -49.177+/-43.777 χ^2/NDF: 63.0/50

asym_sam_15_avg_rms vs Slug



Right In: 149.837+/-0.038 χ^2/NDF: 7482006.6/21

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

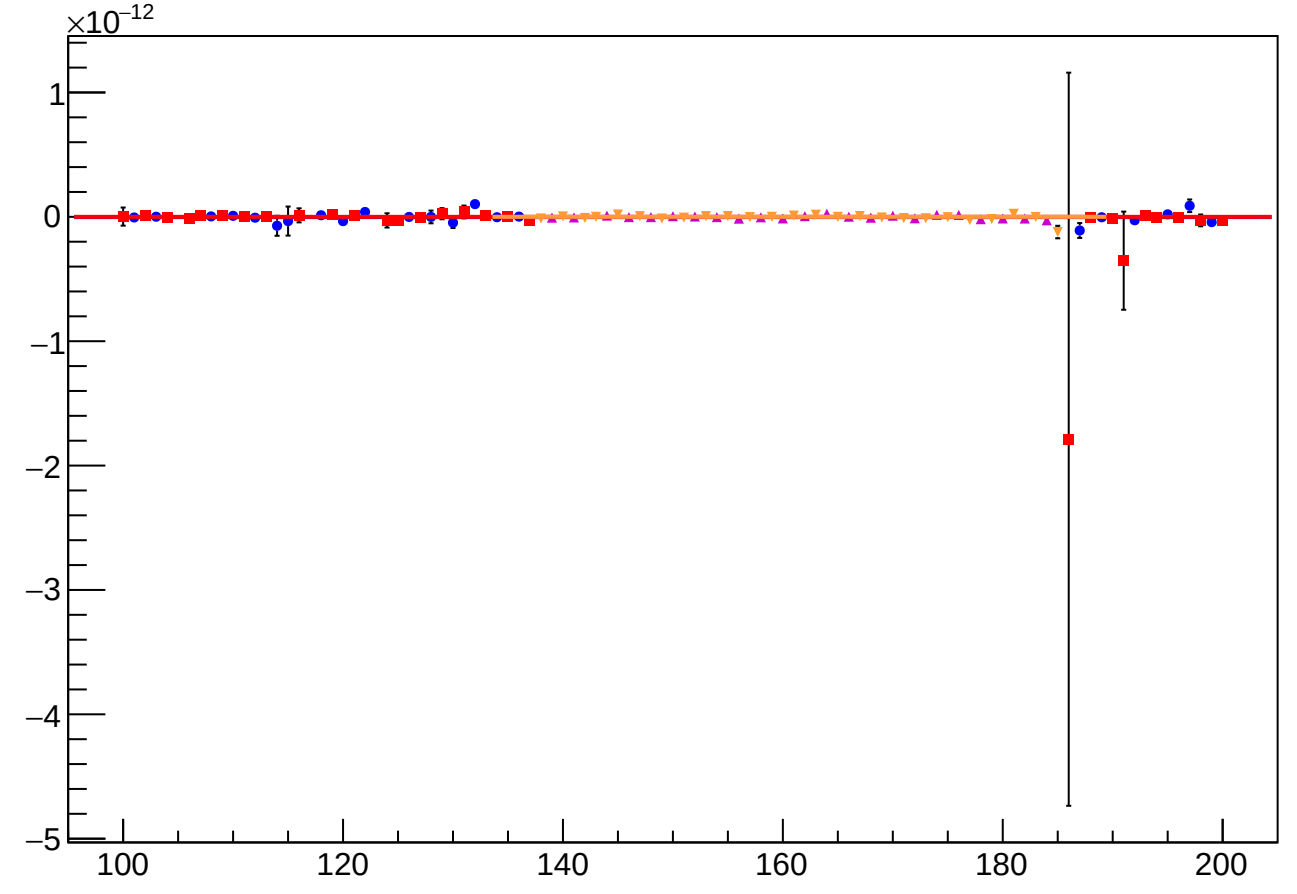
Right Out: 159.023+/-0.037 χ^2/NDF: 8236026.3/27

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 211.997+/-0.032 χ^2/NDF: 16098607.0/46

All: 212.433+/-0.022 χ^2/NDF: 32072430.1/97

- sign 212.851+/-0.031 χ^2/NDF: 15973450.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

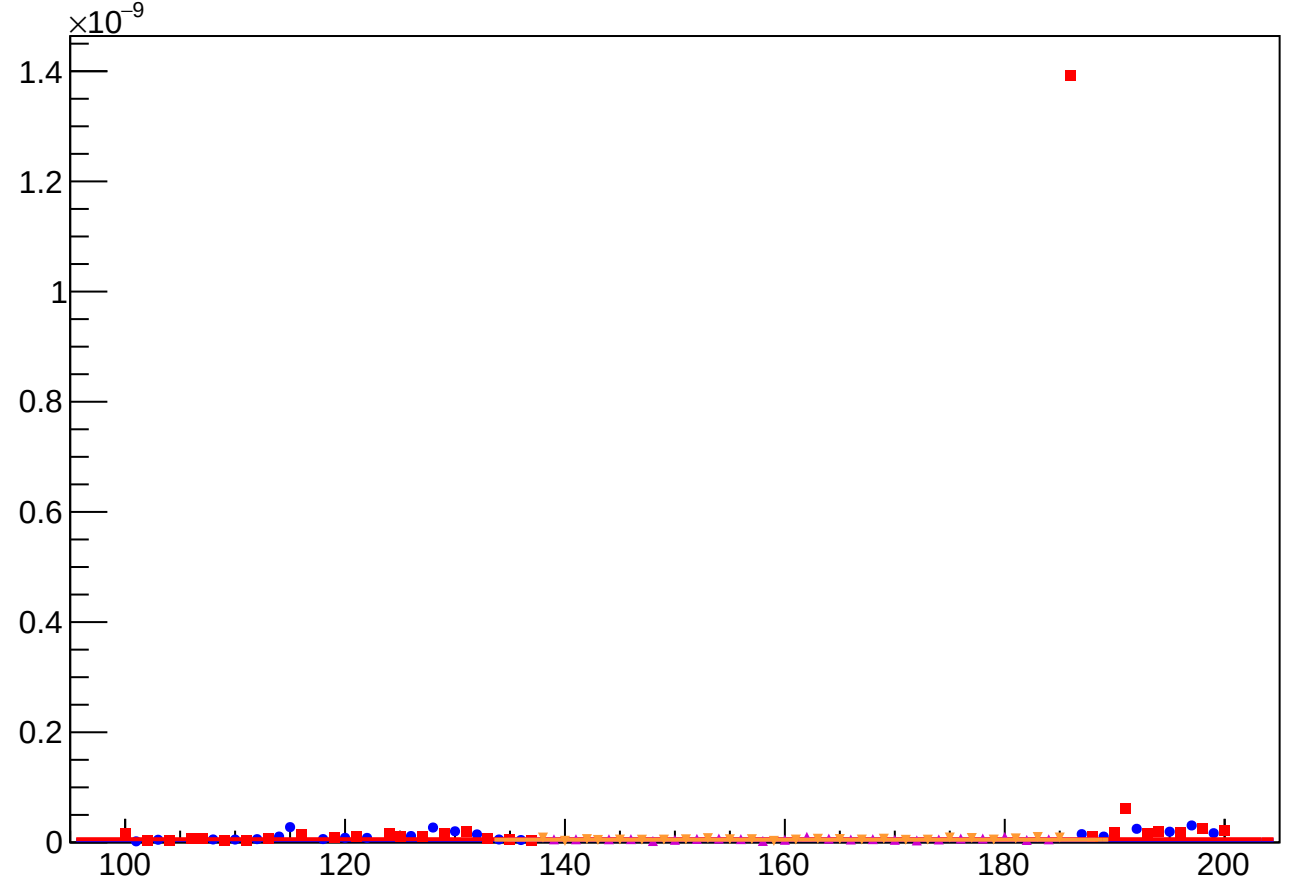
Right Out: 0.000+/-0.000 χ^2/NDF: 13.6/27

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/46

All: -0.000+/-0.000 χ^2/NDF: 90.6/97

- sign -0.000+/-0.000 χ^2/NDF: 34.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4511239.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4036603.2/27

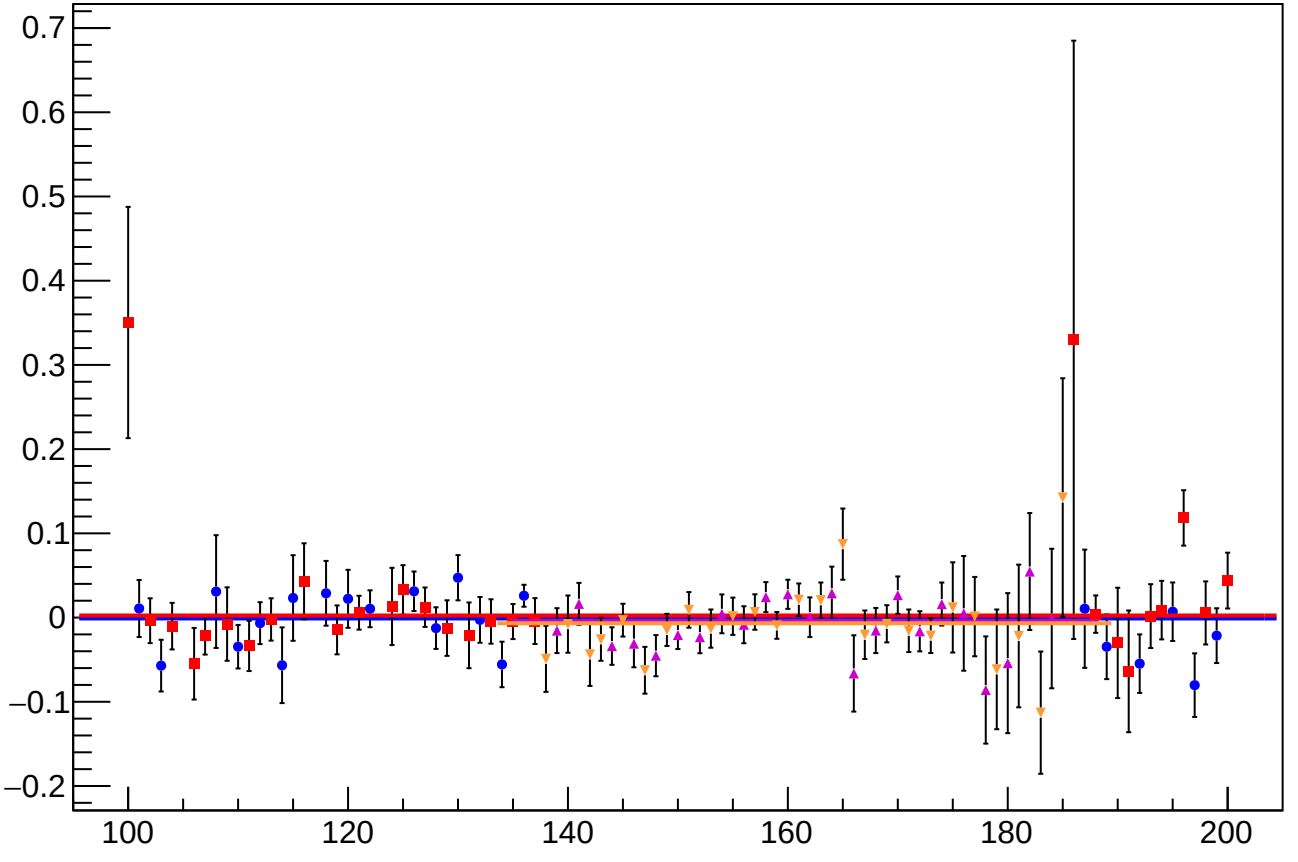
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5955764.7/46

All: 0.000+/-0.000 χ^2/NDF: 11460546.0/97

- sign 0.000+/-0.000 χ^2/NDF: 5380700.4/50

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

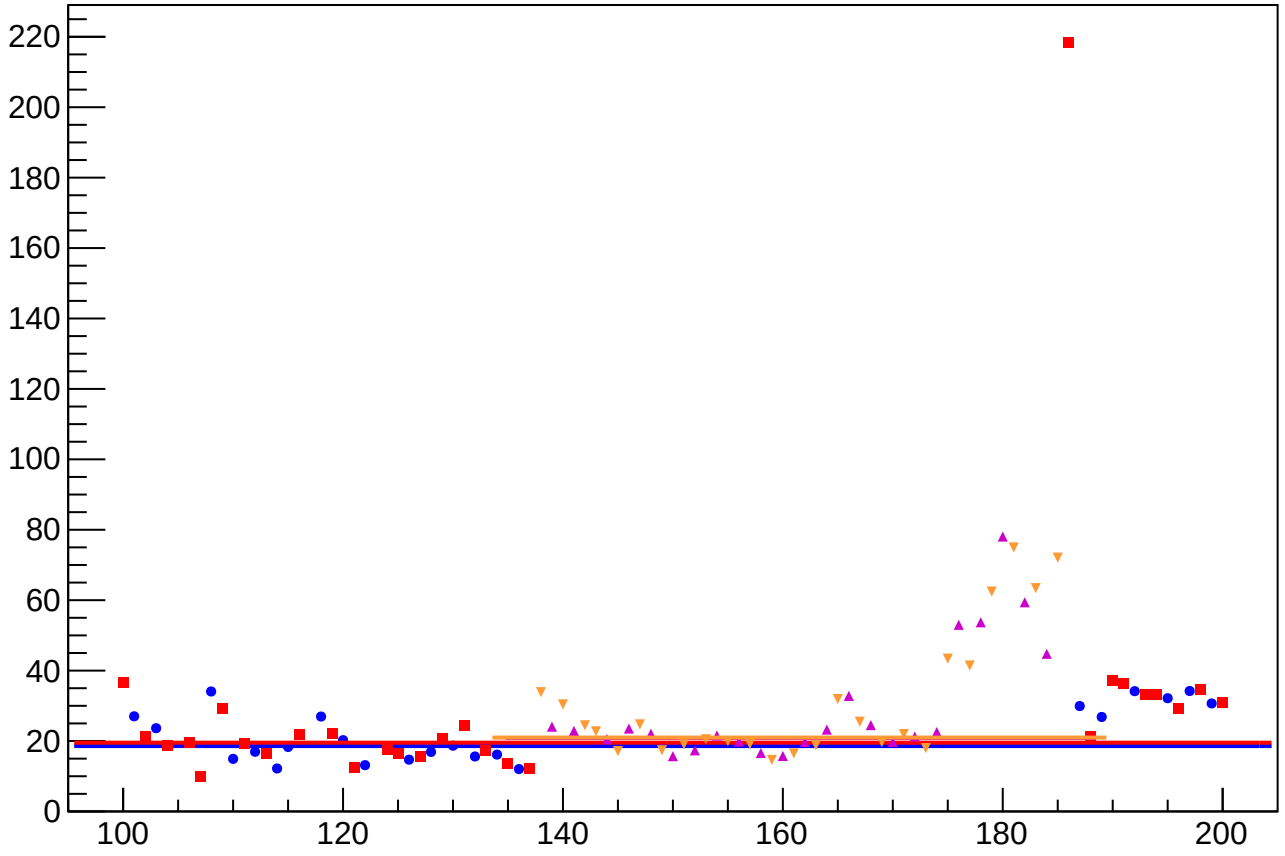
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 107.1/97

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

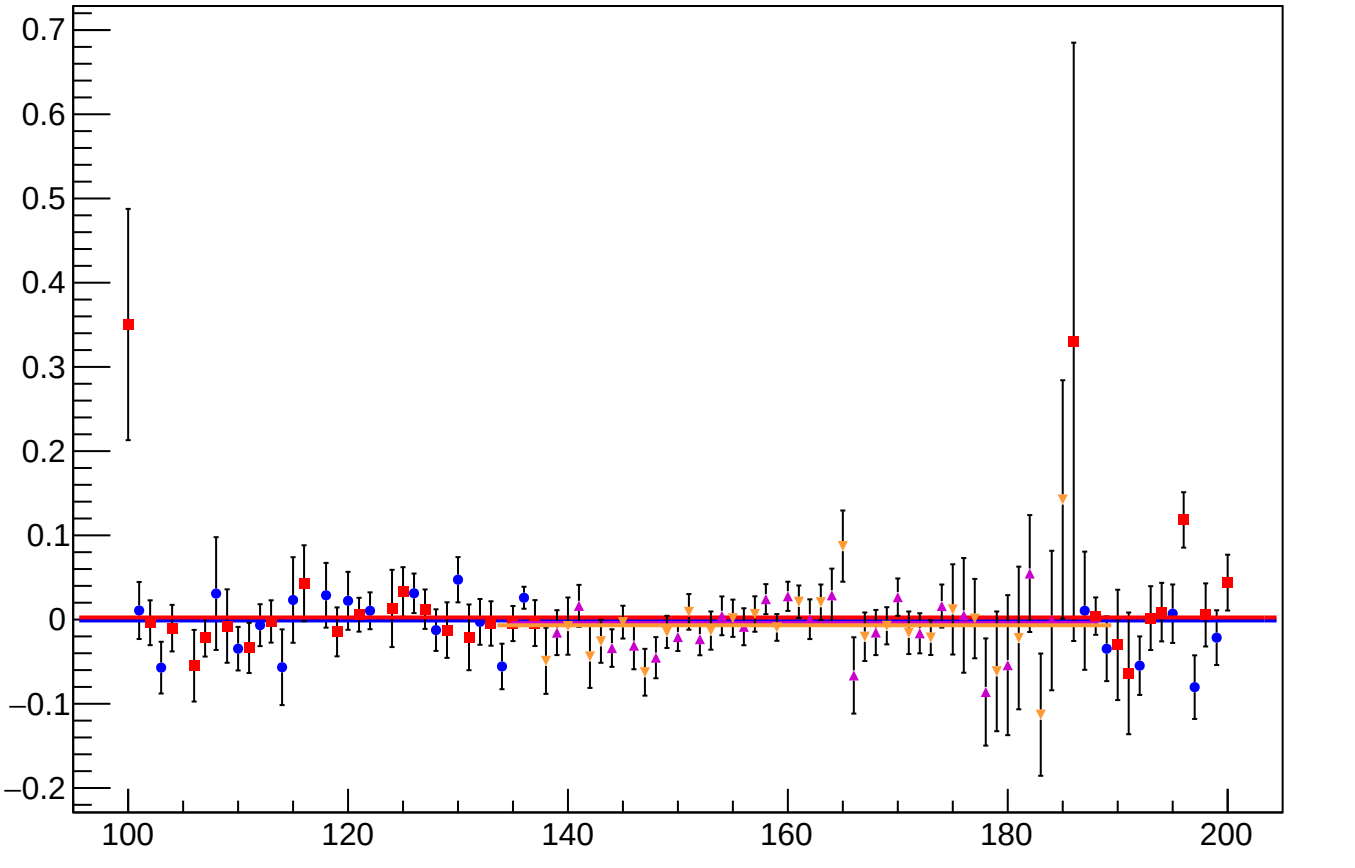
Right Out: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325371.1/46

All: 20.111+/-0.002 χ^2/NDF: 14333604.2/97

- sign 20.268+/-0.003 χ^2/NDF: 7001791.3/50



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

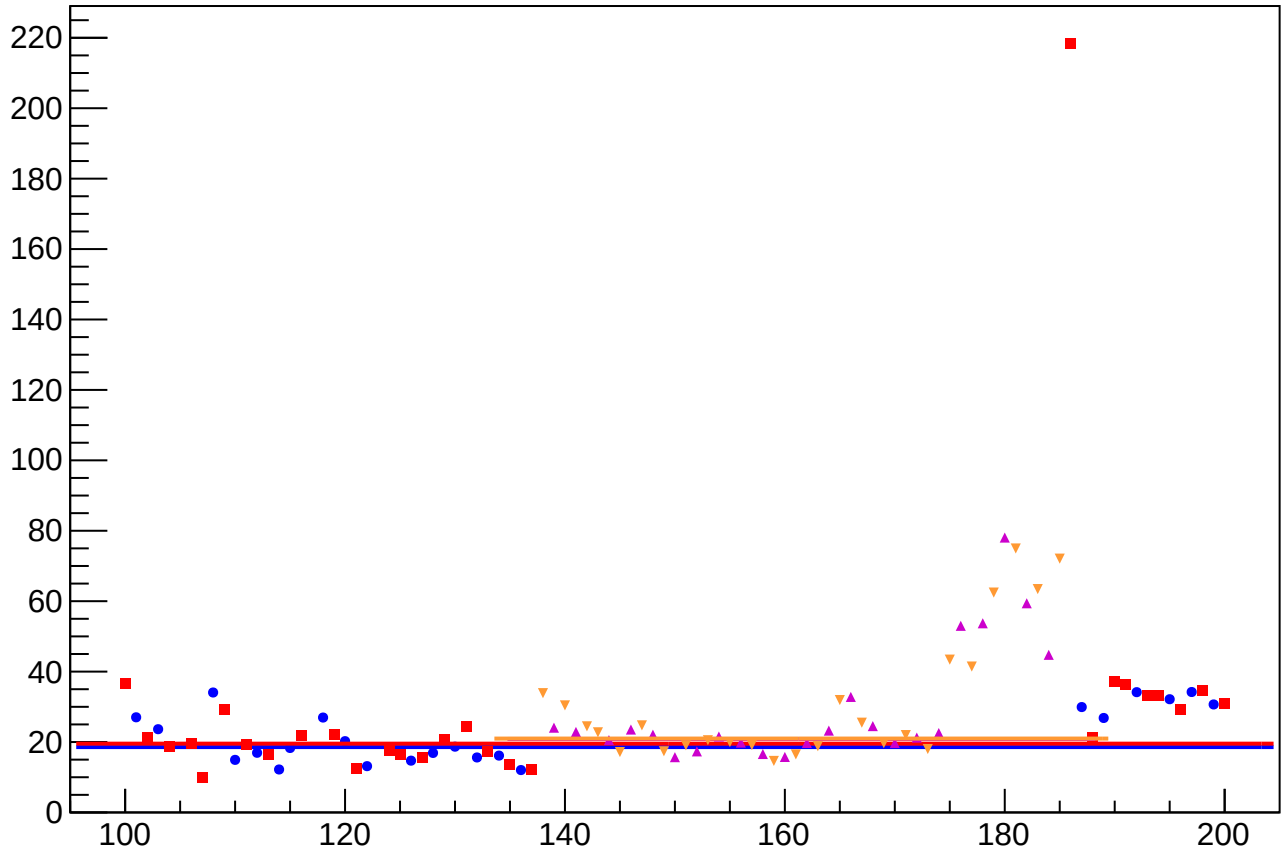
Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 107.1/97

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

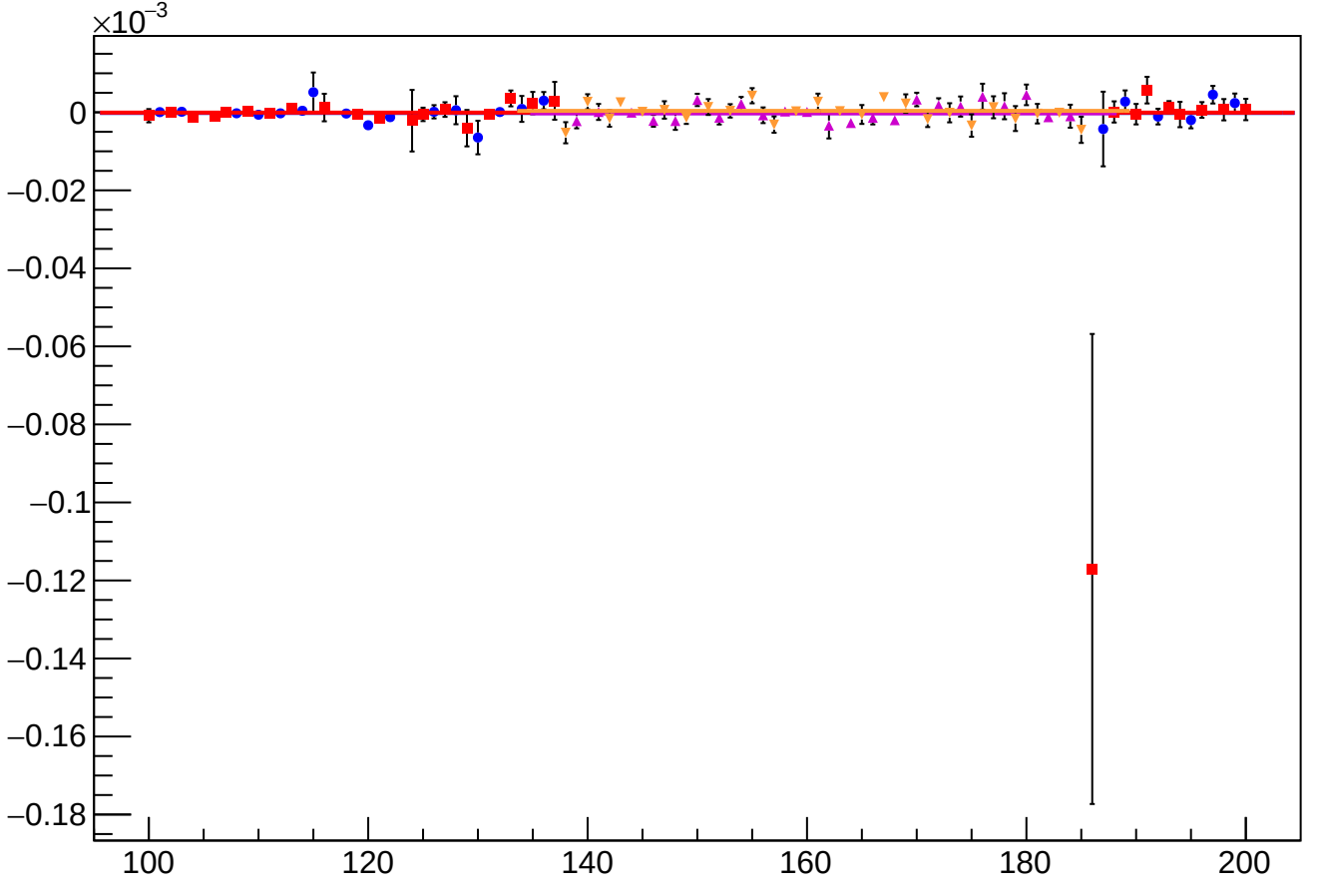
Right Out: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325371.1/46

All: 20.111+/-0.002 χ^2/NDF: 14333604.2/97

- sign 20.268+/-0.003 χ^2/NDF: 7001791.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/27

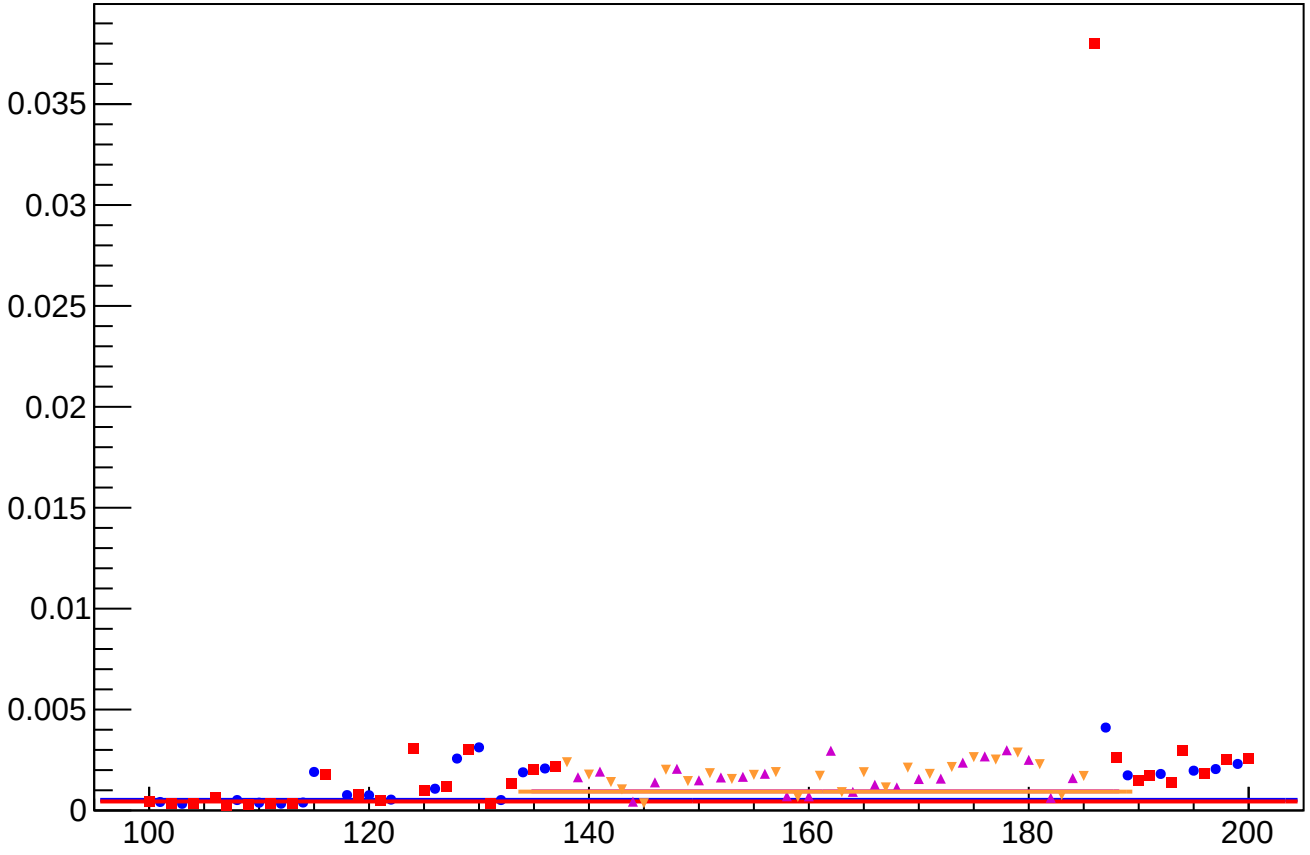
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/46

All: -0.000+/-0.000 χ^2/NDF: 119.4/97

- sign -0.000+/-0.000 χ^2/NDF: 59.9/50

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8546038.6/21

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12120474.3/27

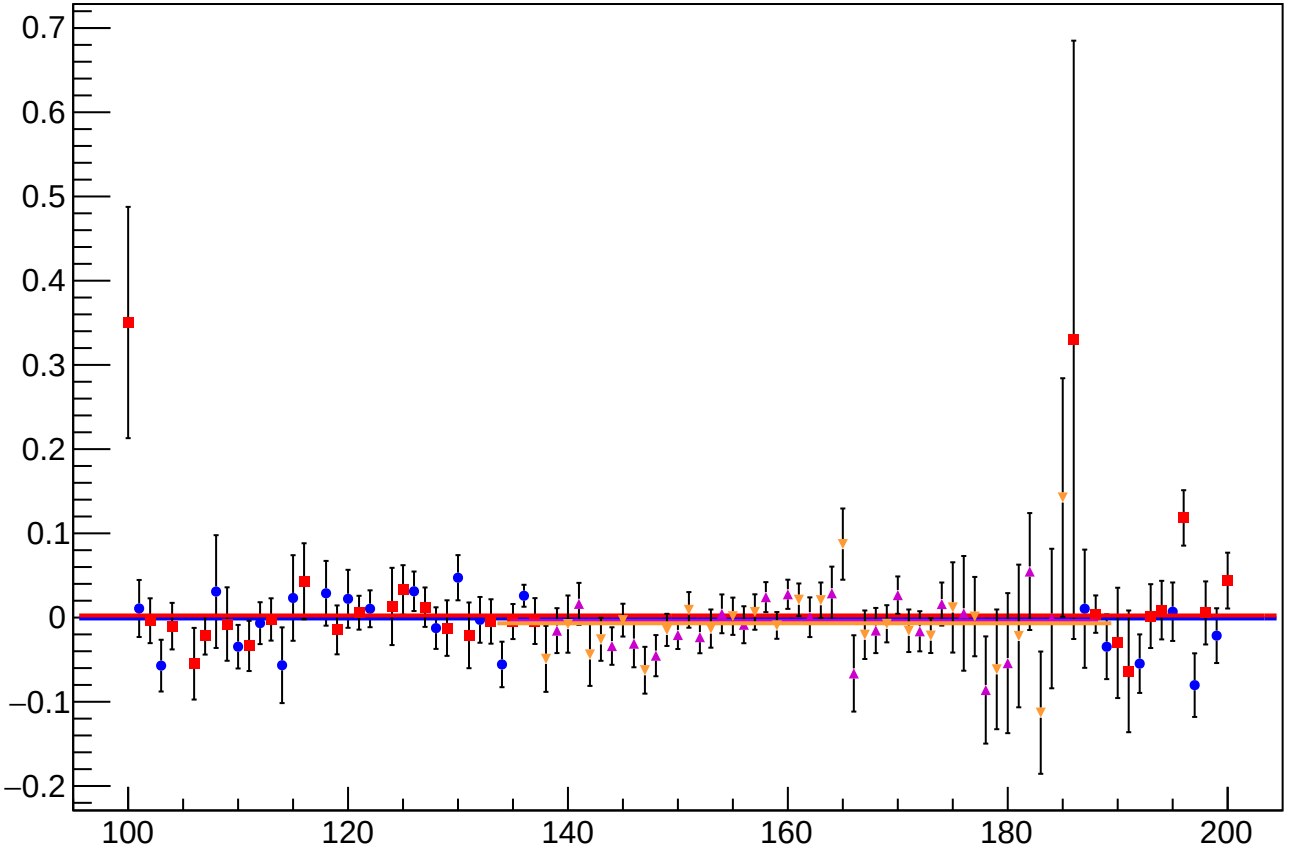
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 23595866.3/46

All: 0.001+/-0.000 χ^2/NDF: 50662989.4/97

- sign 0.001+/-0.000 χ^2/NDF: 26748649.3/50

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

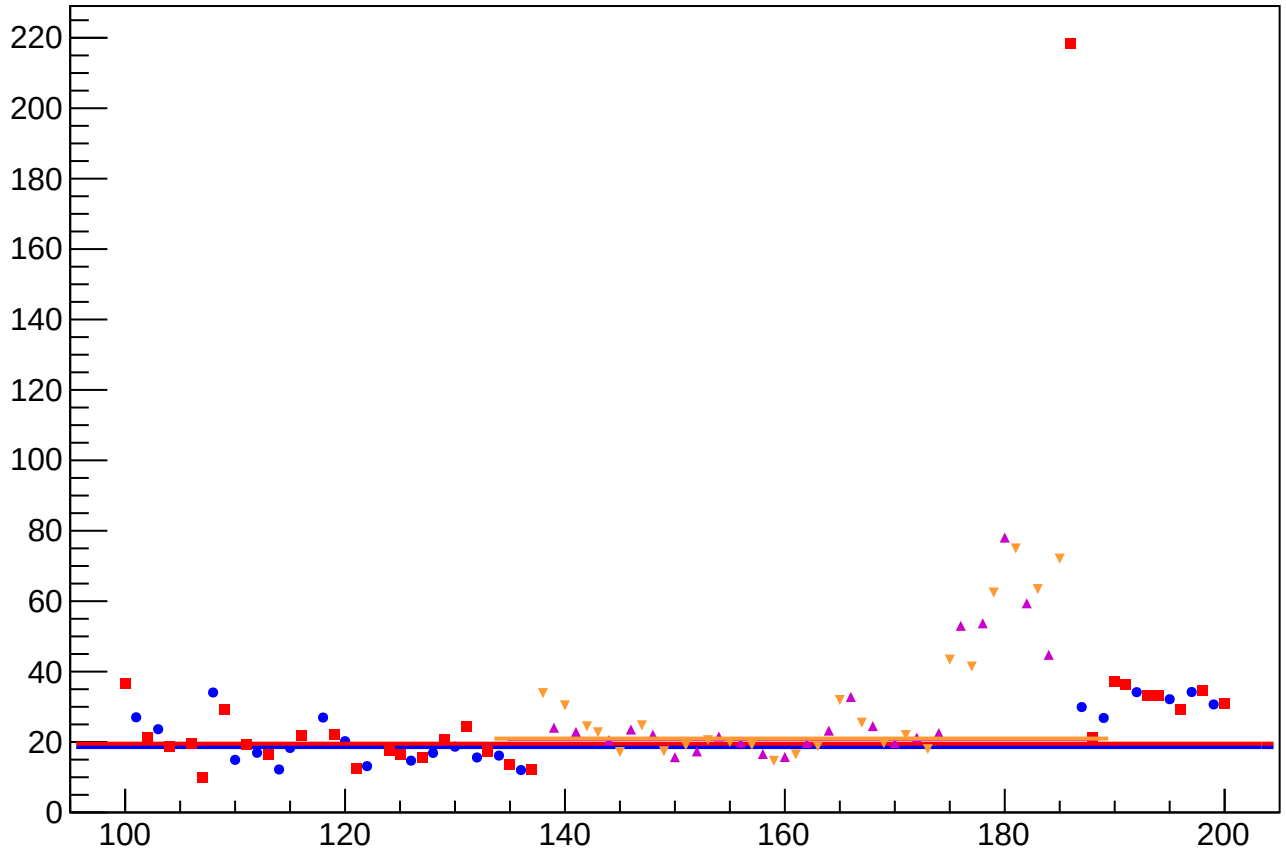
Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 107.1/97

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

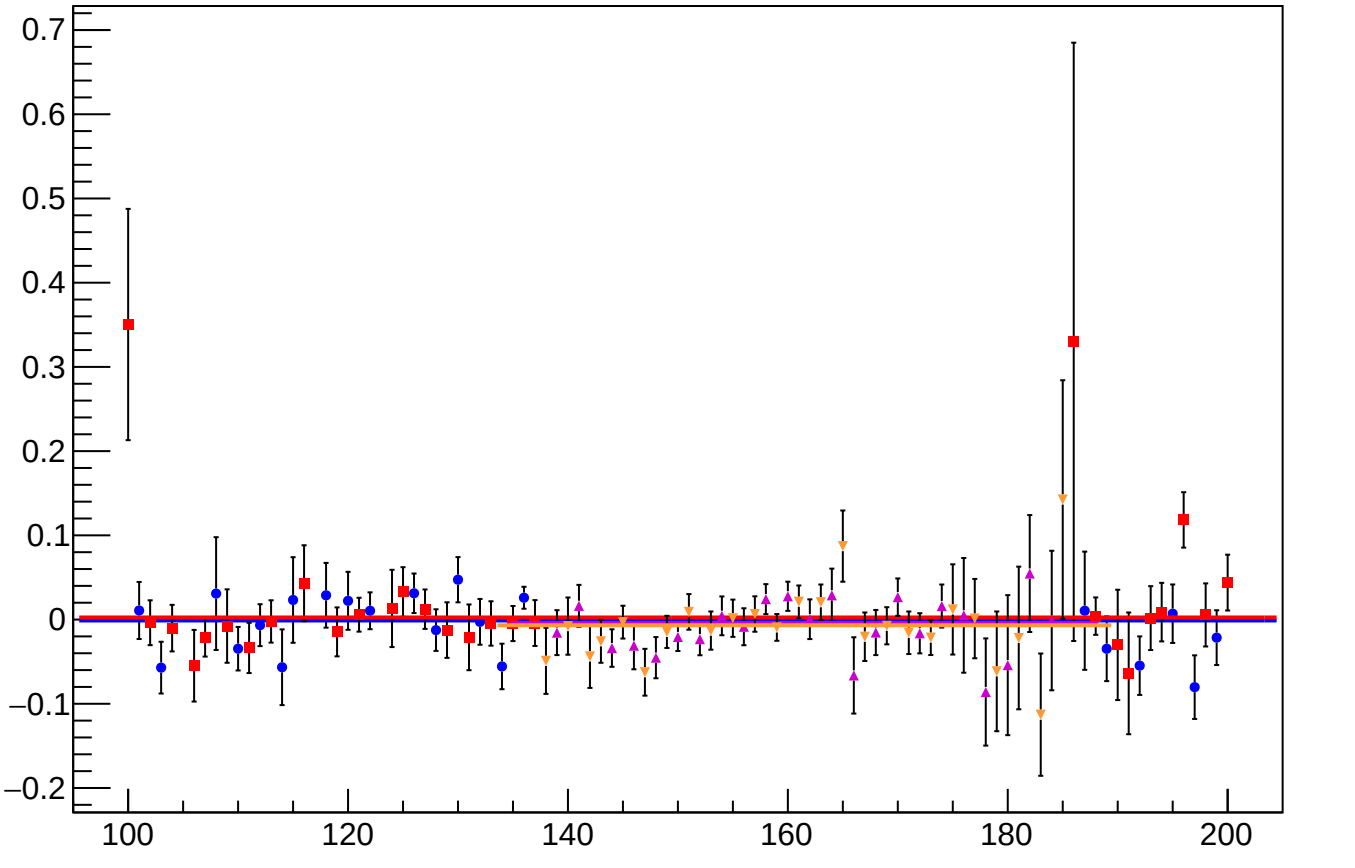
Right Out: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325410.7/46

All: 20.111+/-0.002 χ^2/NDF: 14333740.1/97

- sign 20.268+/-0.003 χ^2/NDF: 7001890.3/50



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

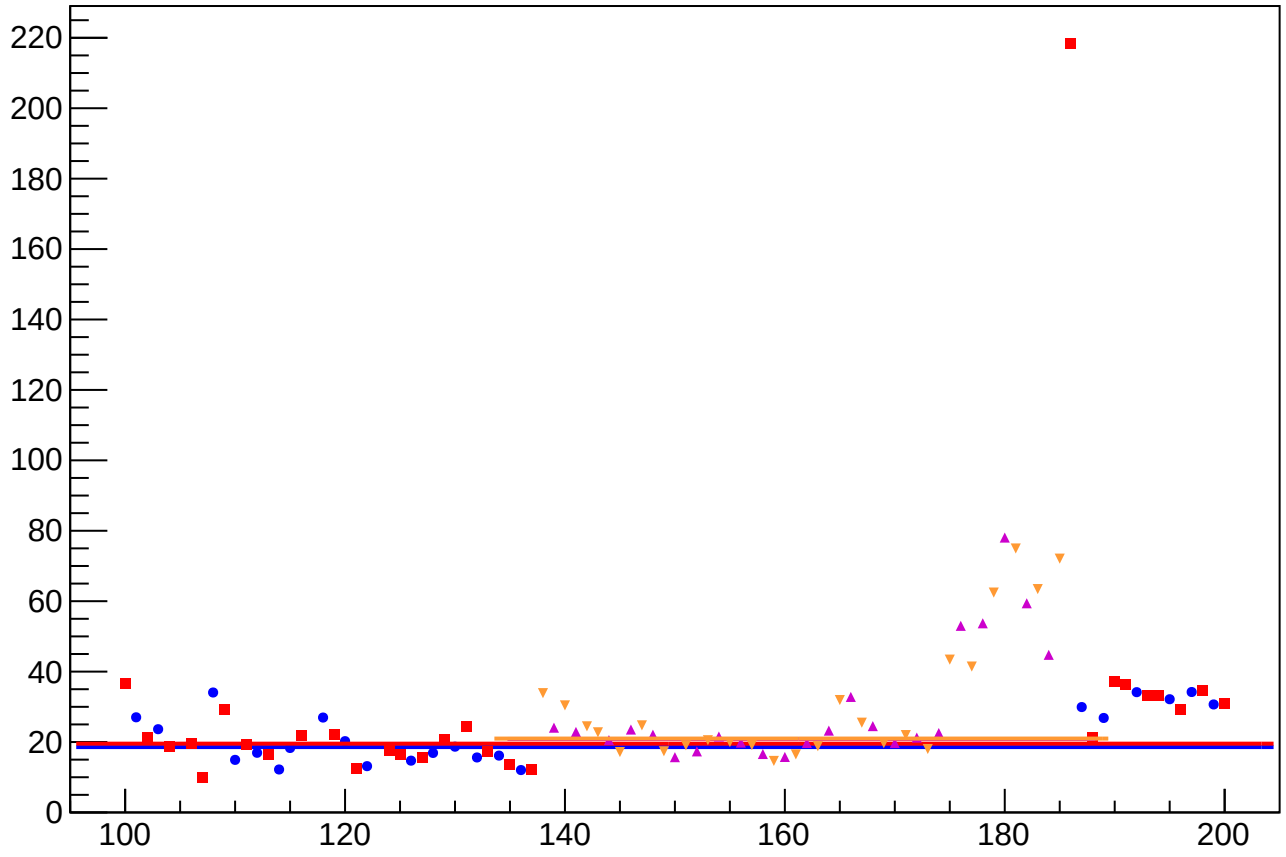
Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 107.1/97

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

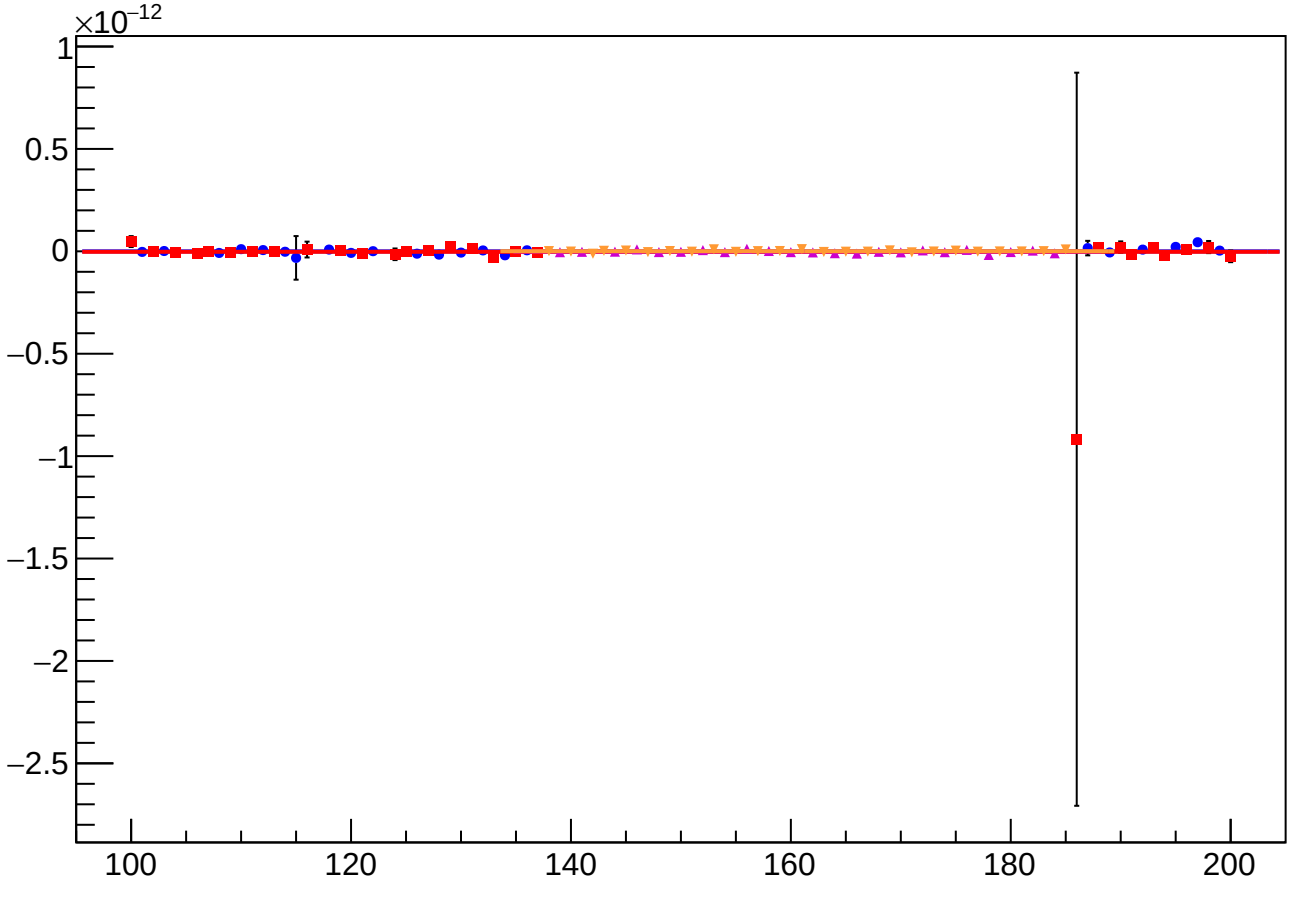
Right Out: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325410.7/46

All: 20.111+/-0.002 χ^2/NDF: 14333740.1/97

- sign 20.268+/-0.003 χ^2/NDF: 7001890.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

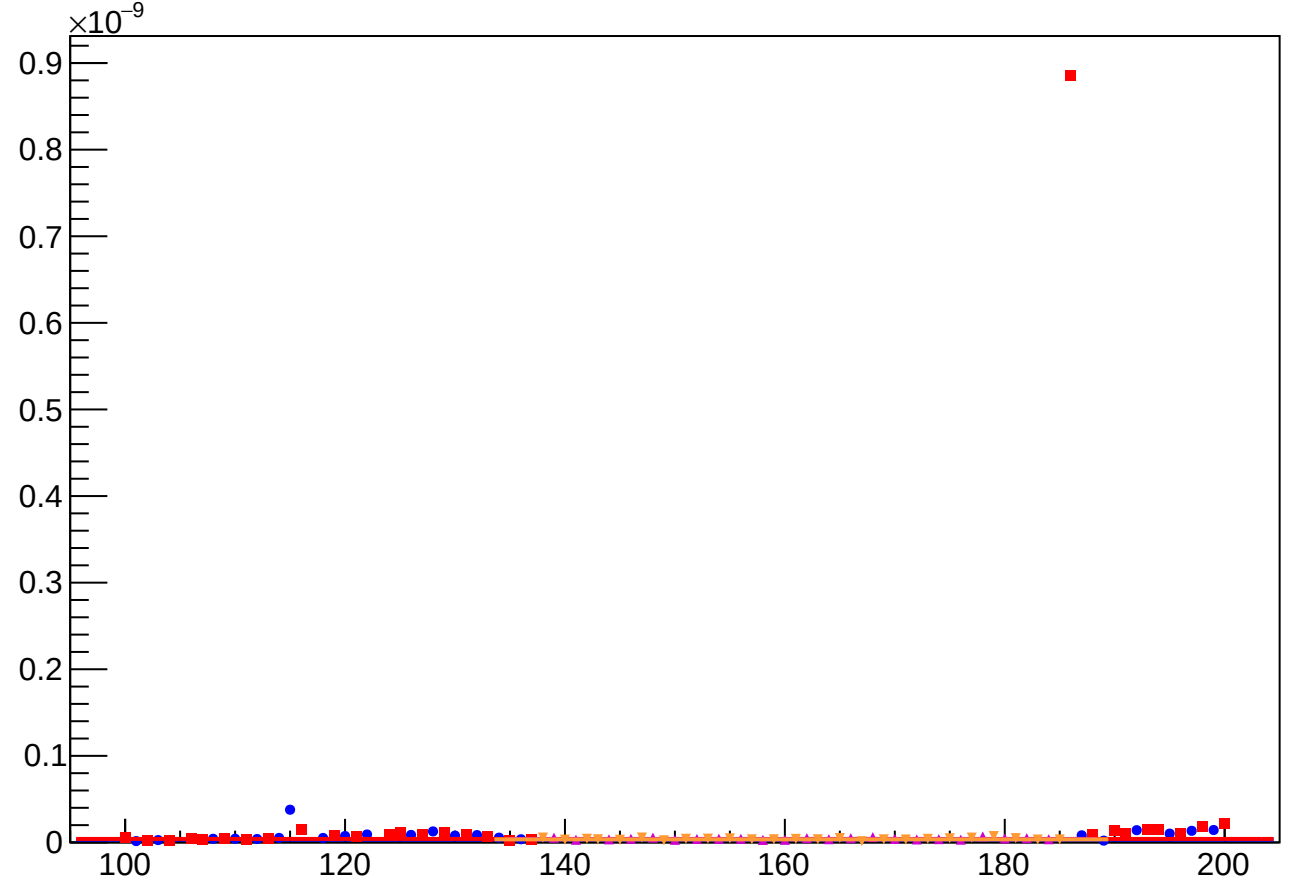
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/46

All: -0.000+/-0.000 χ^2/NDF: 83.8/97

- sign -0.000+/-0.000 χ^2/NDF: 49.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5135198.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628509.6/27

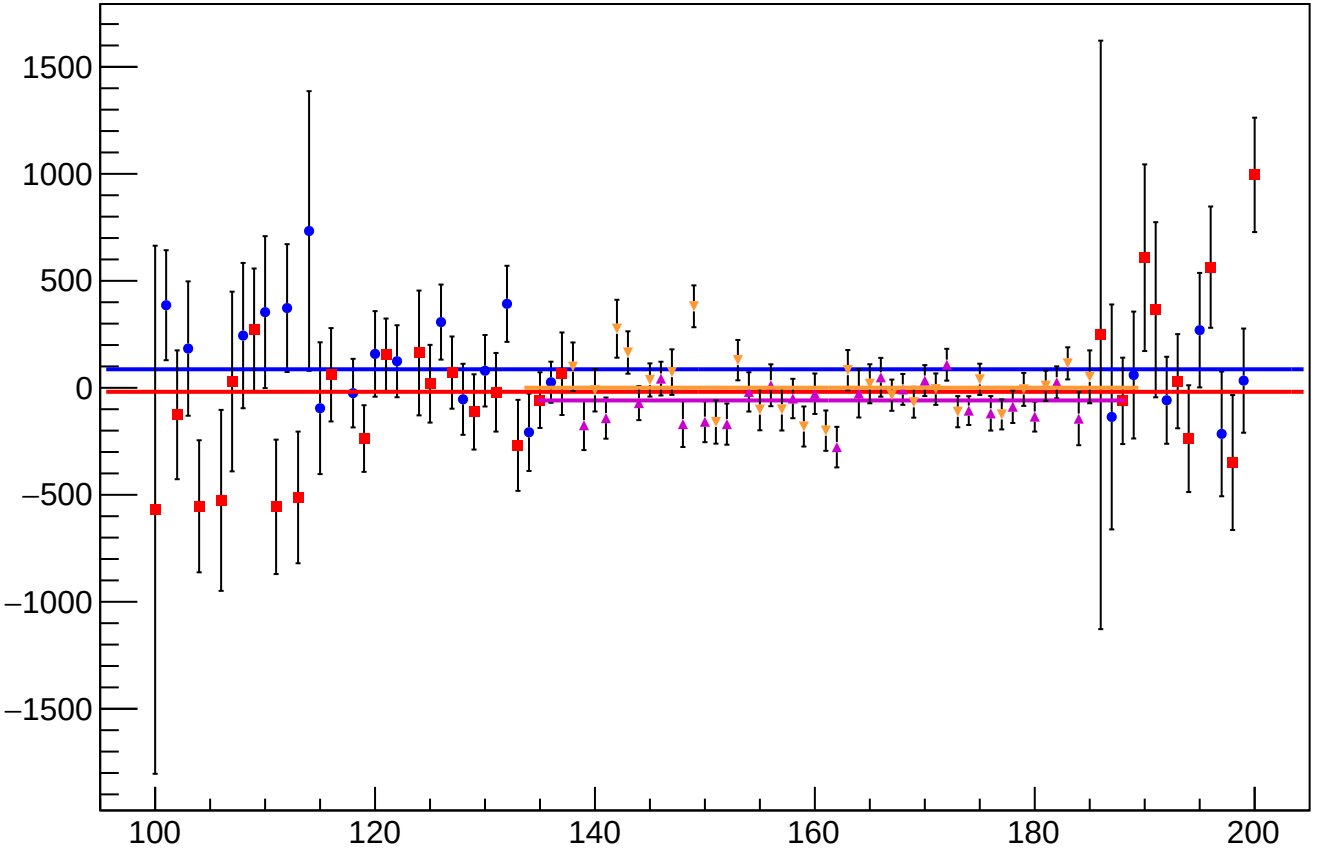
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7701225.2/46

All: 0.000+/-0.000 χ^2/NDF: 15840470.5/97

- sign 0.000+/-0.000 χ^2/NDF: 7838618.6/50

reg_asym_sam_26_avg_mean vs Slug



Right In: 86.683+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -18.685+/-43.832 χ^2/NDF: 40.7/27

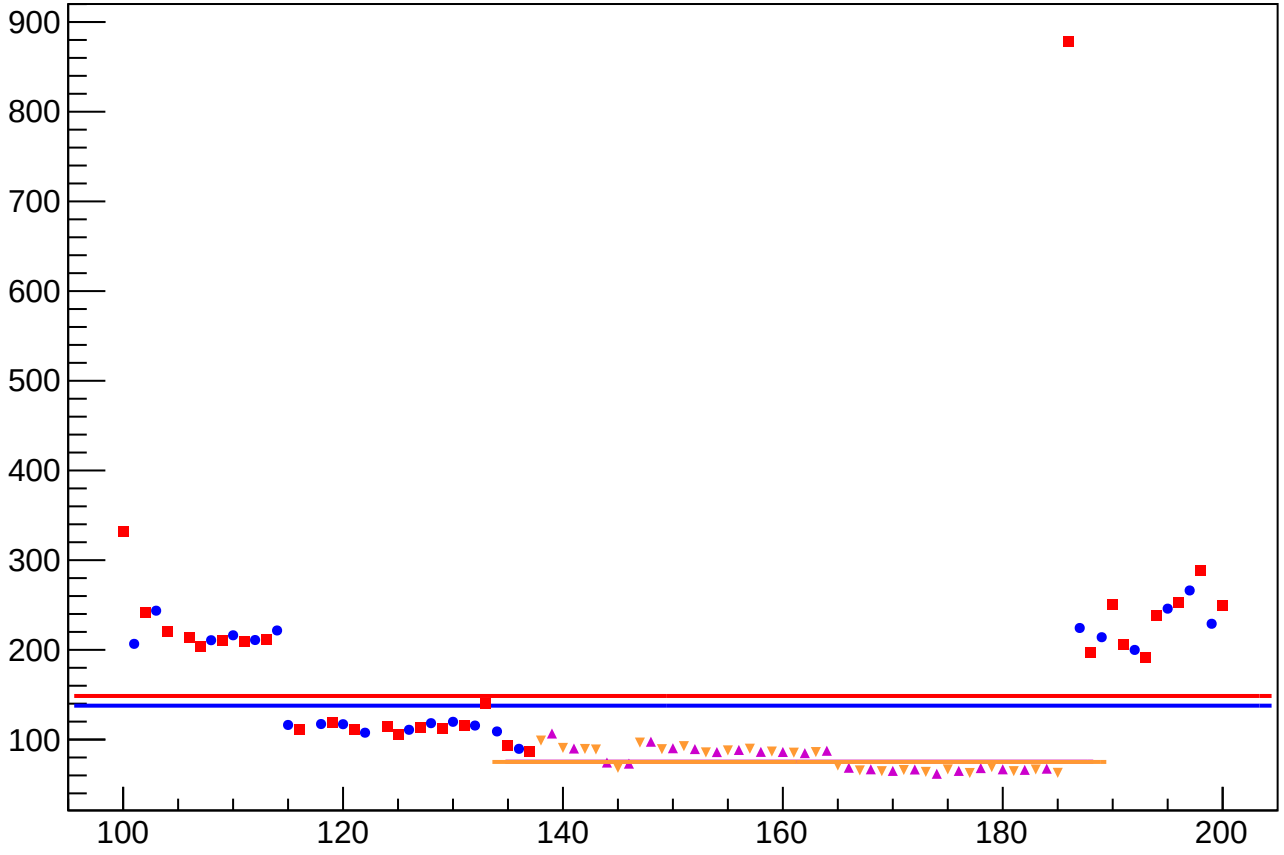
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.264+/-16.103 χ^2/NDF: 67.7/46

All: -19.548+/-11.543 χ^2/NDF: 142.9/97

- sign -53.169+/-16.555 χ^2/NDF: 67.2/50

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895748.9/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

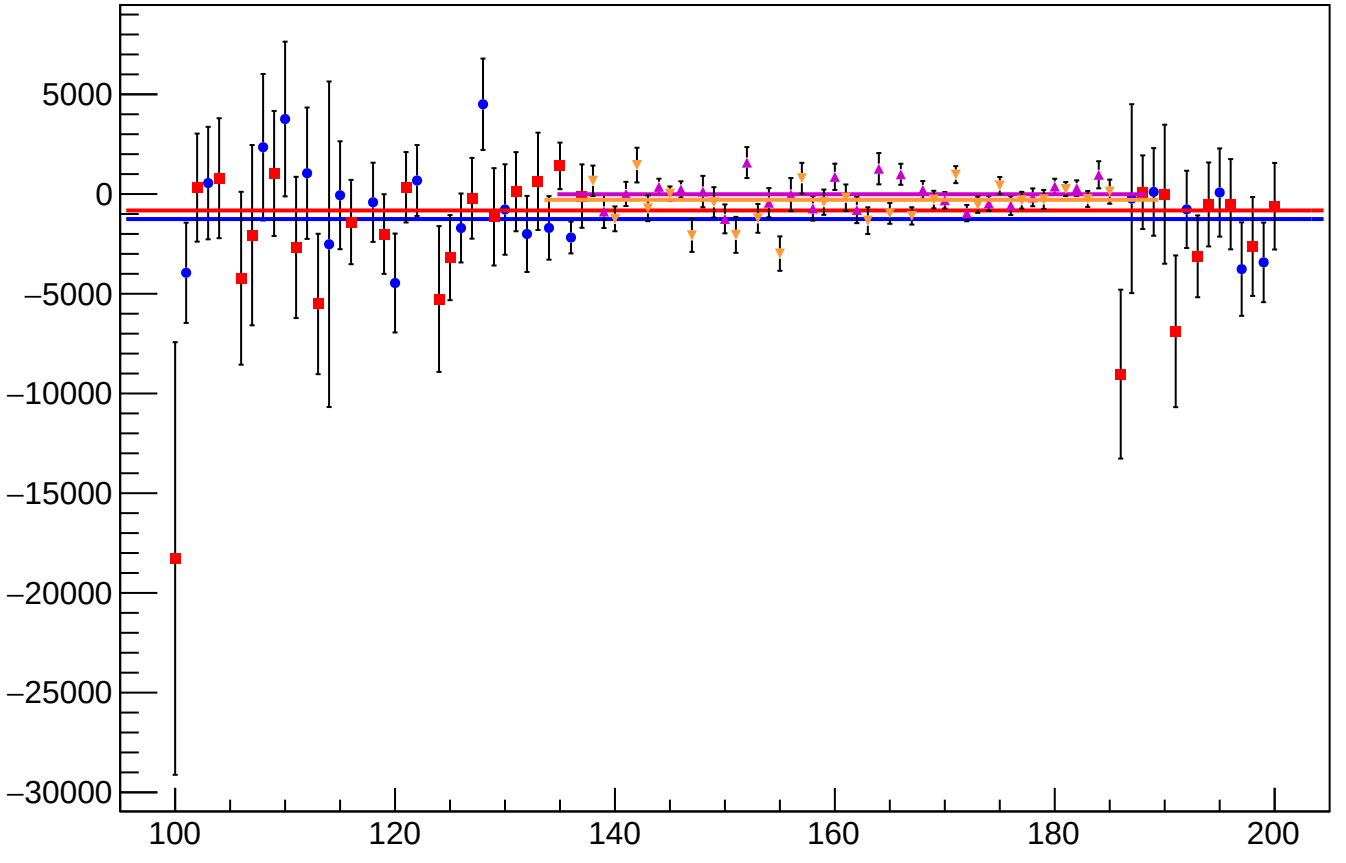
Right Out: 148.585+/-0.031 χ^2/NDF: 3965132.3/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379601.3/46

All: 84.639+/-0.008 χ^2/NDF: 16988015.8/97

- sign 85.799+/-0.012 χ^2/NDF: 9589325.9/50



Right In: -1254.669+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -823.226+/-438.214 χ^2/NDF: 22.7/27

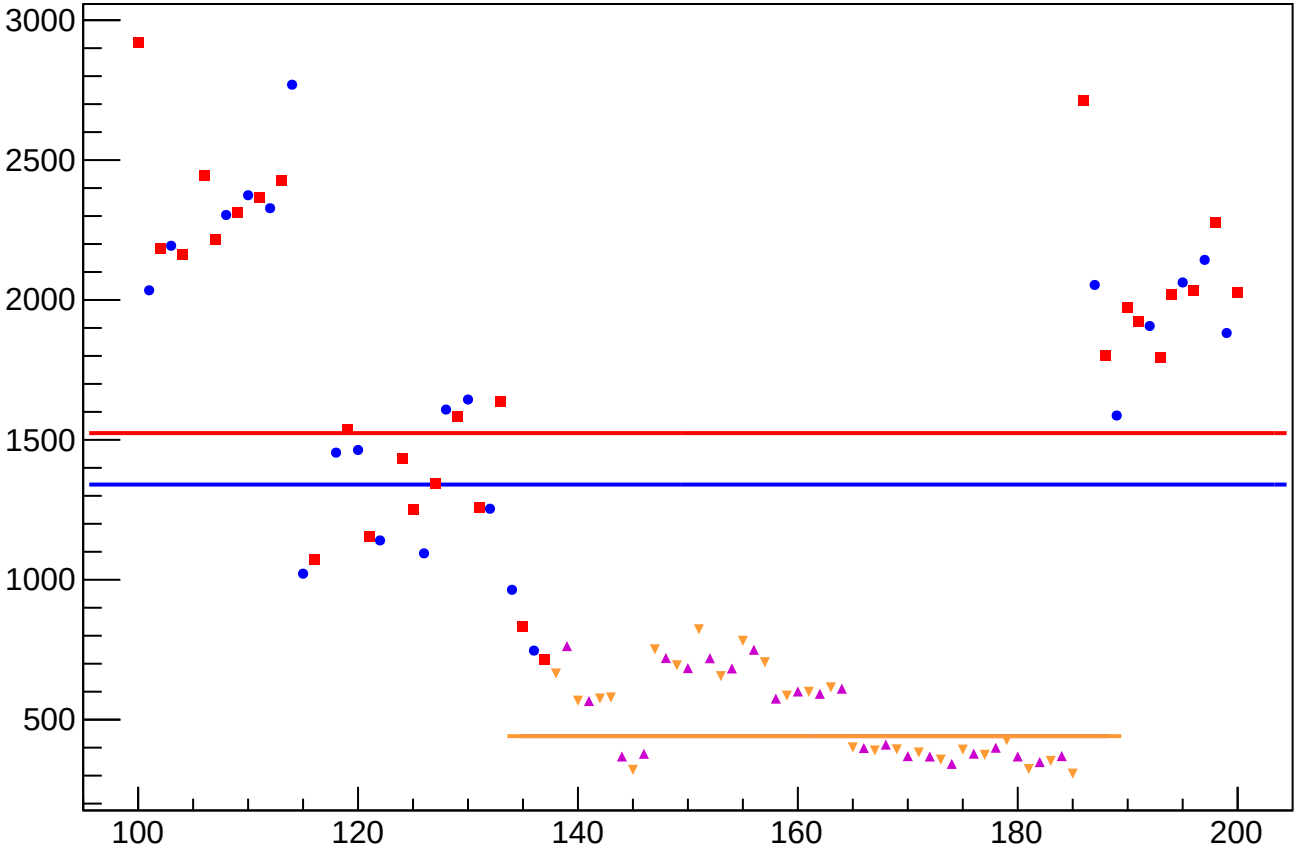
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -343.722+/-102.158 χ^2/NDF: 77.3/46

All: -203.646+/-73.071 χ^2/NDF: 140.5/97

- sign -56.905+/-104.560 χ^2/NDF: 59.4/50

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1340.327+/-0.301 χ^2/NDF: 3084074.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1524.115+/-0.310 χ^2/NDF: 3035166.6/27

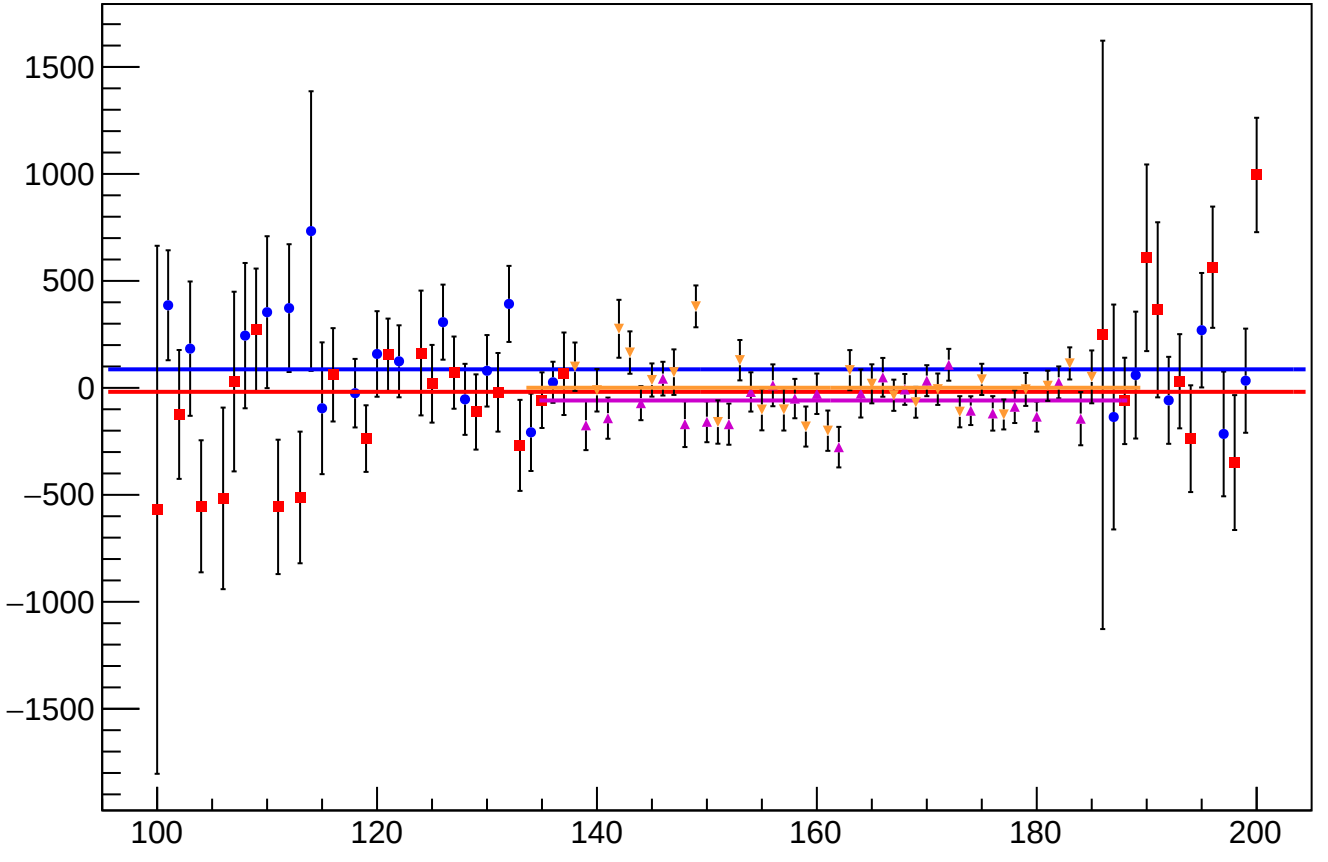
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725229.1/46

All: 497.754+/-0.052 χ^2/NDF: 31970146.8/97

- sign 502.849+/-0.074 χ^2/NDF: 17235638.5/50

cor_asym_sam_26_avg_mean vs Slug



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -18.501+/-43.834 χ^2/NDF: 40.6/27

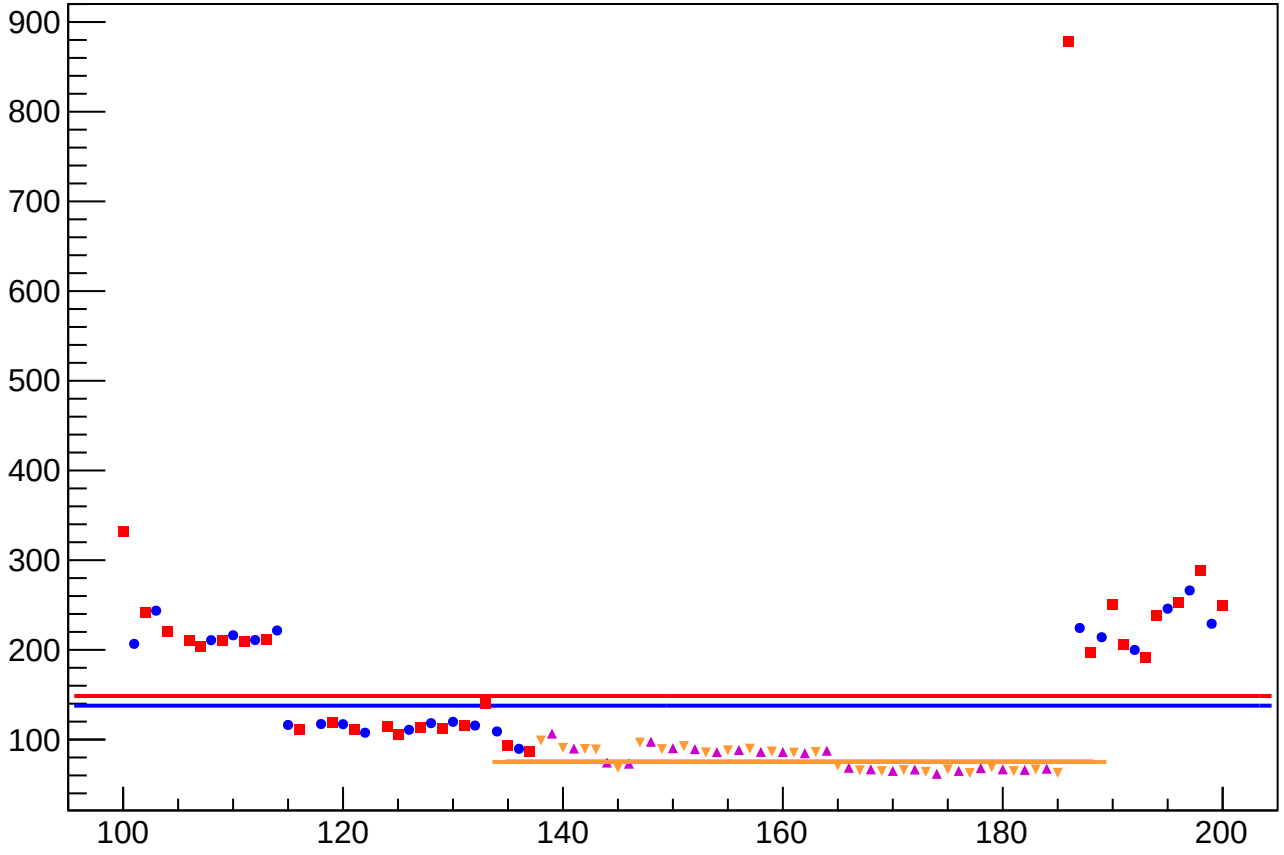
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.262+/-16.103 χ^2/NDF: 67.7/46

All: -19.535+/-11.543 χ^2/NDF: 142.9/97

- sign -53.141+/-16.555 χ^2/NDF: 67.2/50

cor_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

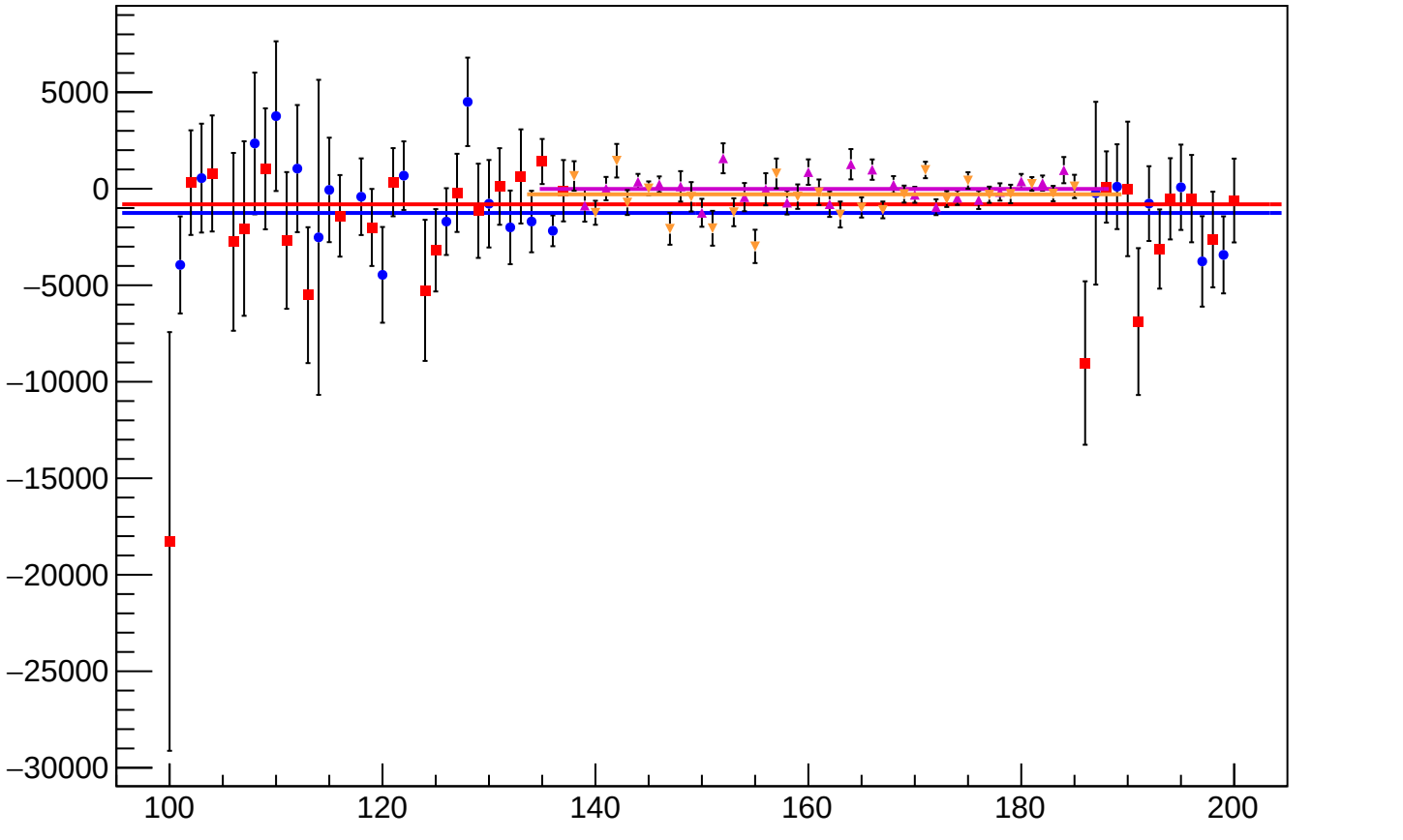
Right Out: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379603.3/46

All: 84.636+/-0.008 χ^2/NDF: 16978244.4/97

- sign 85.792+/-0.012 χ^2/NDF: 9579657.6/50



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -806.074+/-438.479 χ^2/NDF: 22.3/27

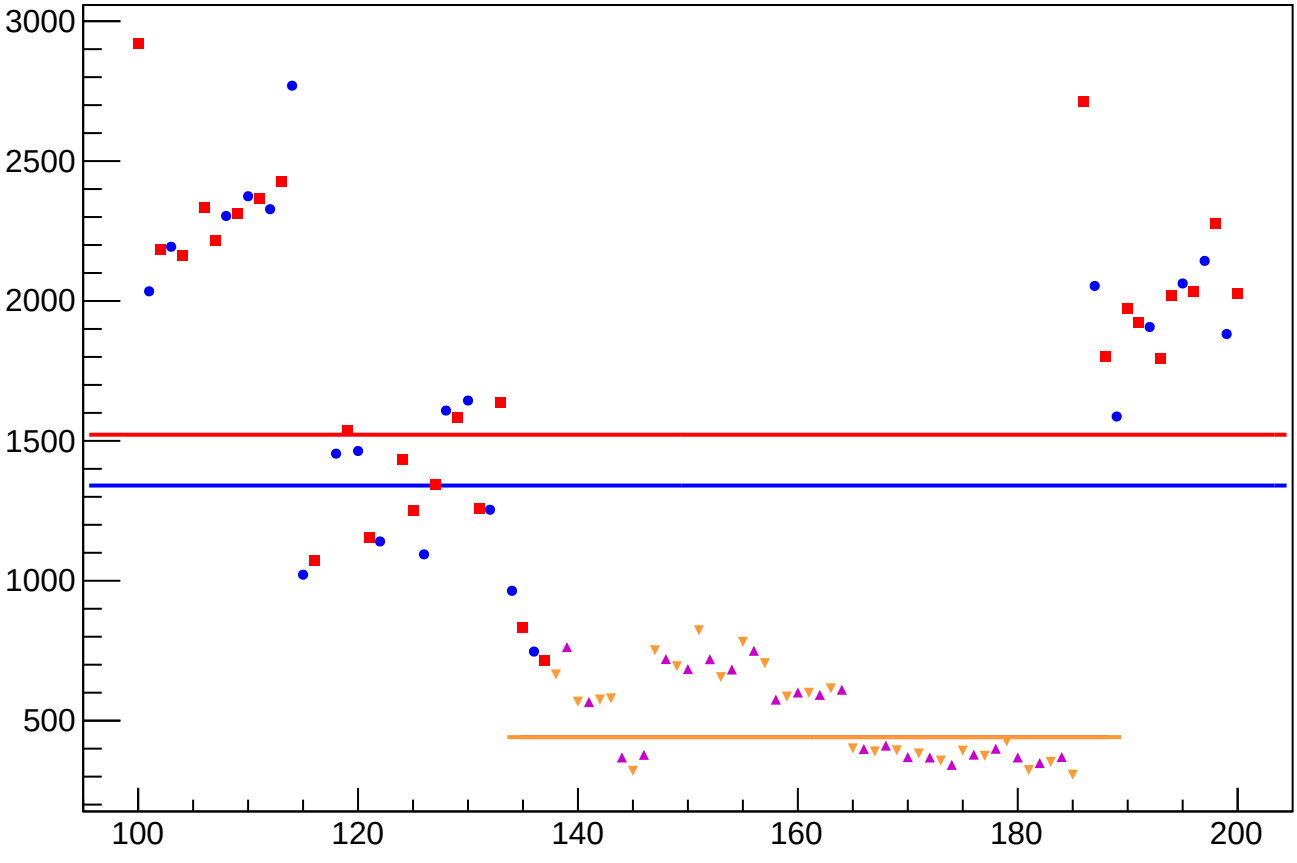
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -343.720+/-102.158 χ^2/NDF: 77.3/46

All: -203.149+/-73.072 χ^2/NDF: 139.9/97

- sign -55.878+/-104.563 χ^2/NDF: 58.8/50

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

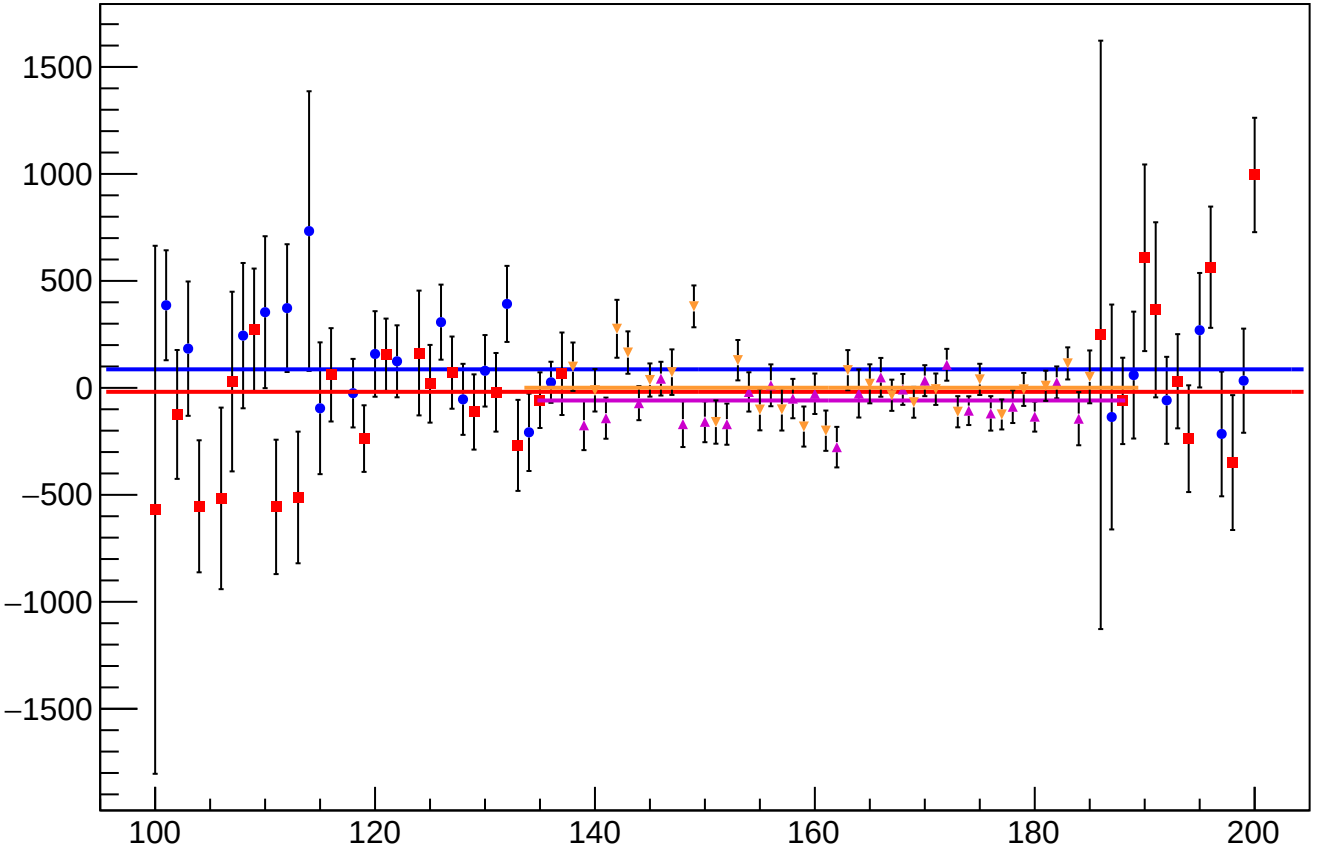
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725236.0/46

All: 497.663+/-0.052 χ^2/NDF: 31885109.3/97

- sign 502.662+/-0.074 χ^2/NDF: 17150939.7/50

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -18.501+/-43.834 χ^2/NDF: 40.6/27

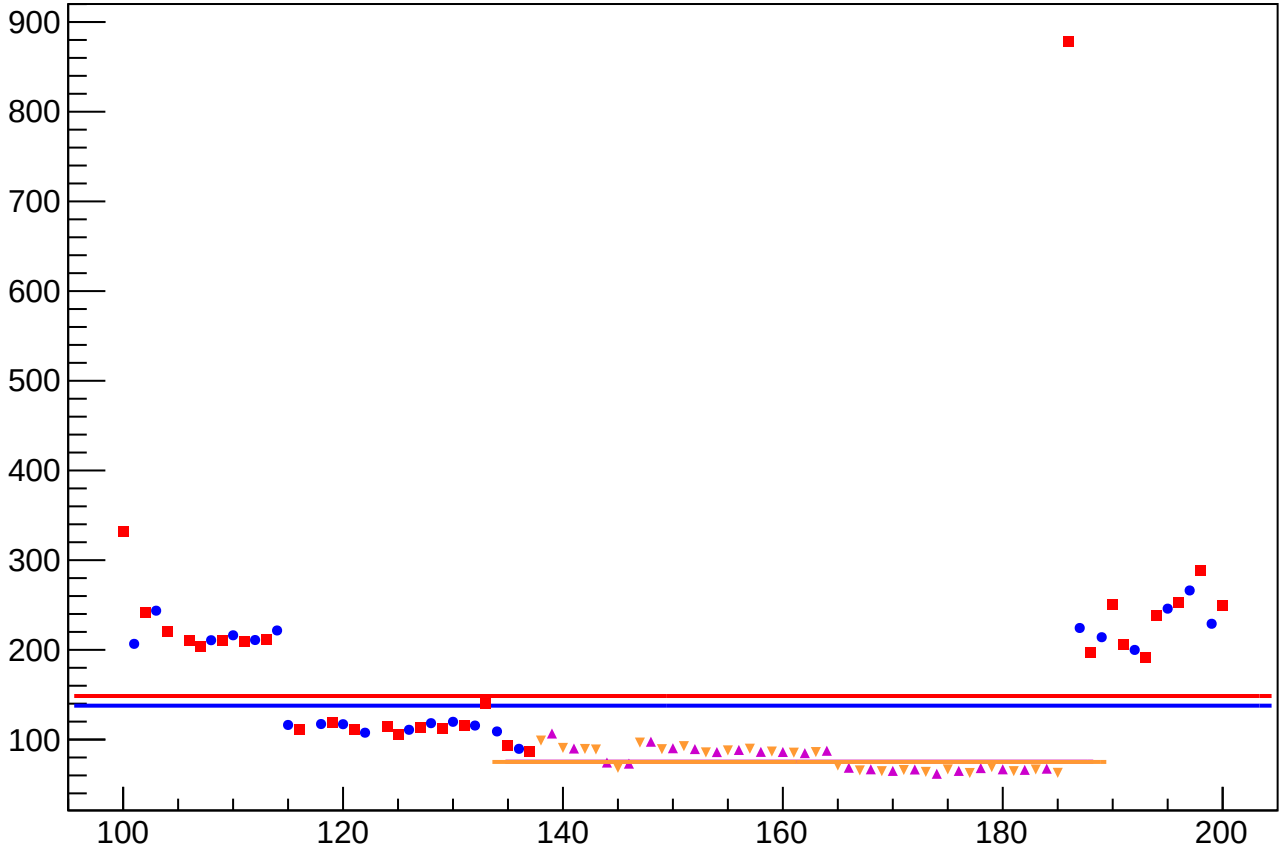
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.262+/-16.103 χ^2/NDF: 67.7/46

All: -19.535+/-11.543 χ^2/NDF: 142.9/97

- sign -53.141+/-16.555 χ^2/NDF: 67.2/50

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

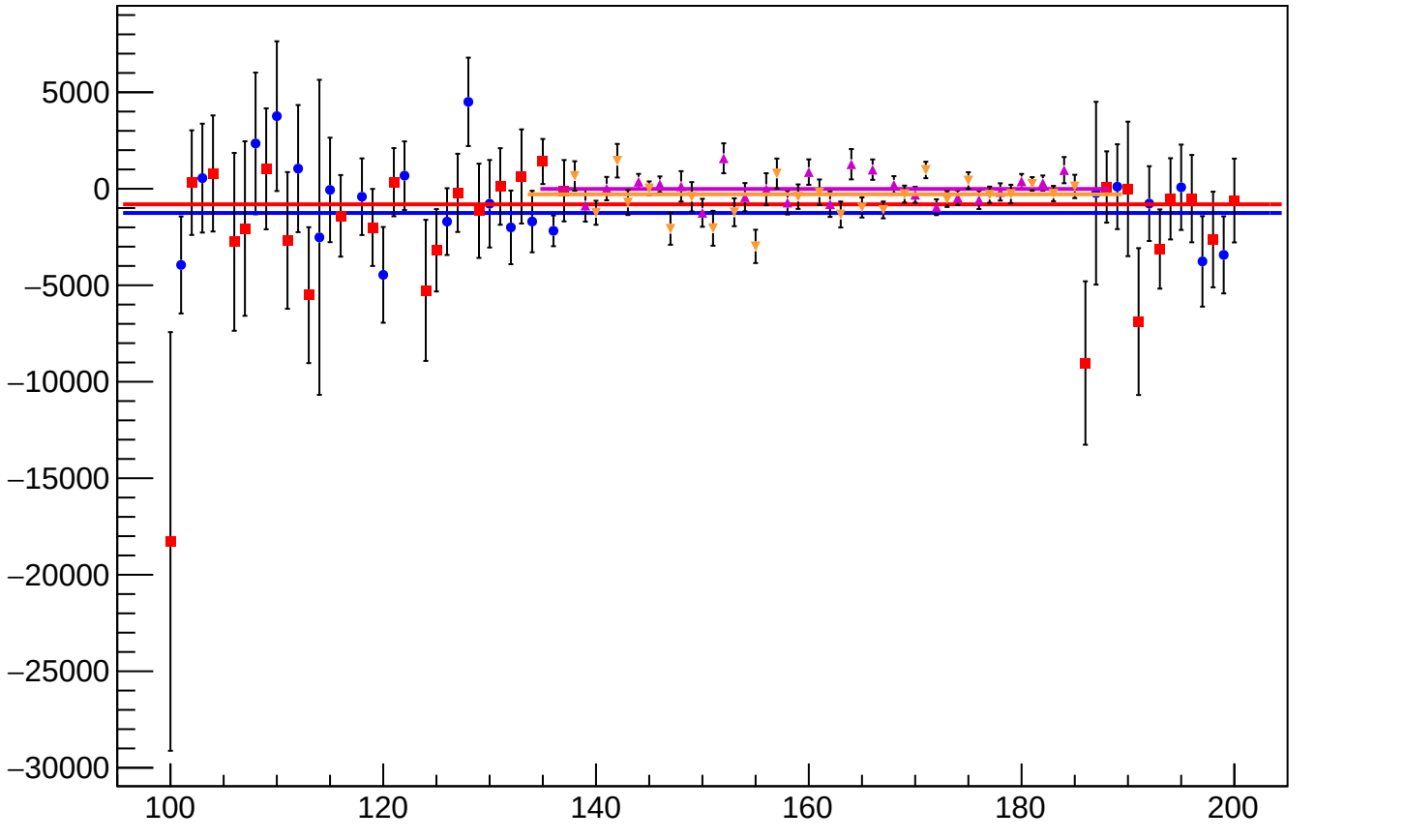
Right Out: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379603.3/46

All: 84.636+/-0.008 χ^2/NDF: 16978244.4/97

- sign 85.792+/-0.012 χ^2/NDF: 9579657.6/50



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -806.074+/-438.479 χ^2/NDF: 22.3/27

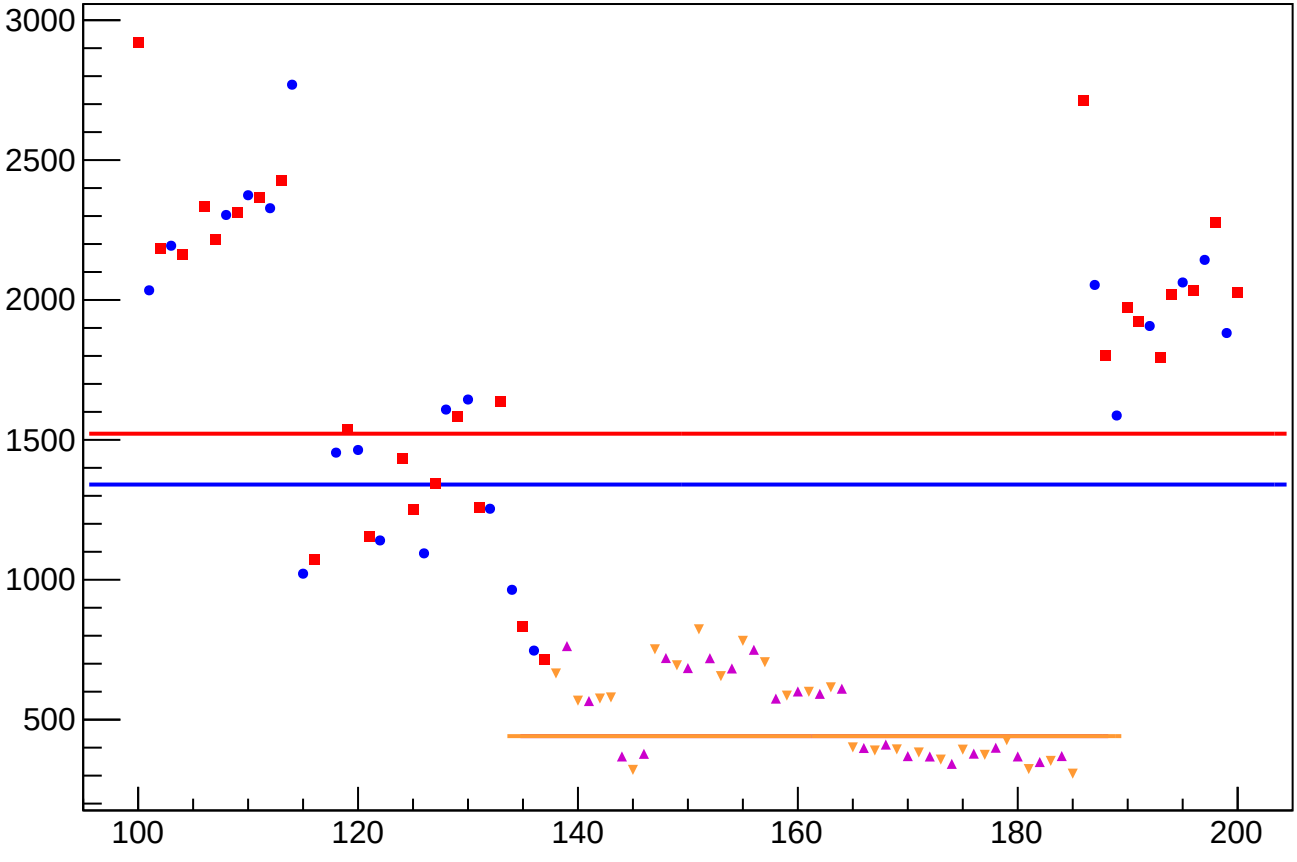
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

\+ sign -343.720+/-102.158 χ^2/NDF: 77.3/46

All: -203.149+/-73.072 χ^2/NDF: 139.9/97

\- sign -55.878+/-104.563 χ^2/NDF: 58.8/50

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

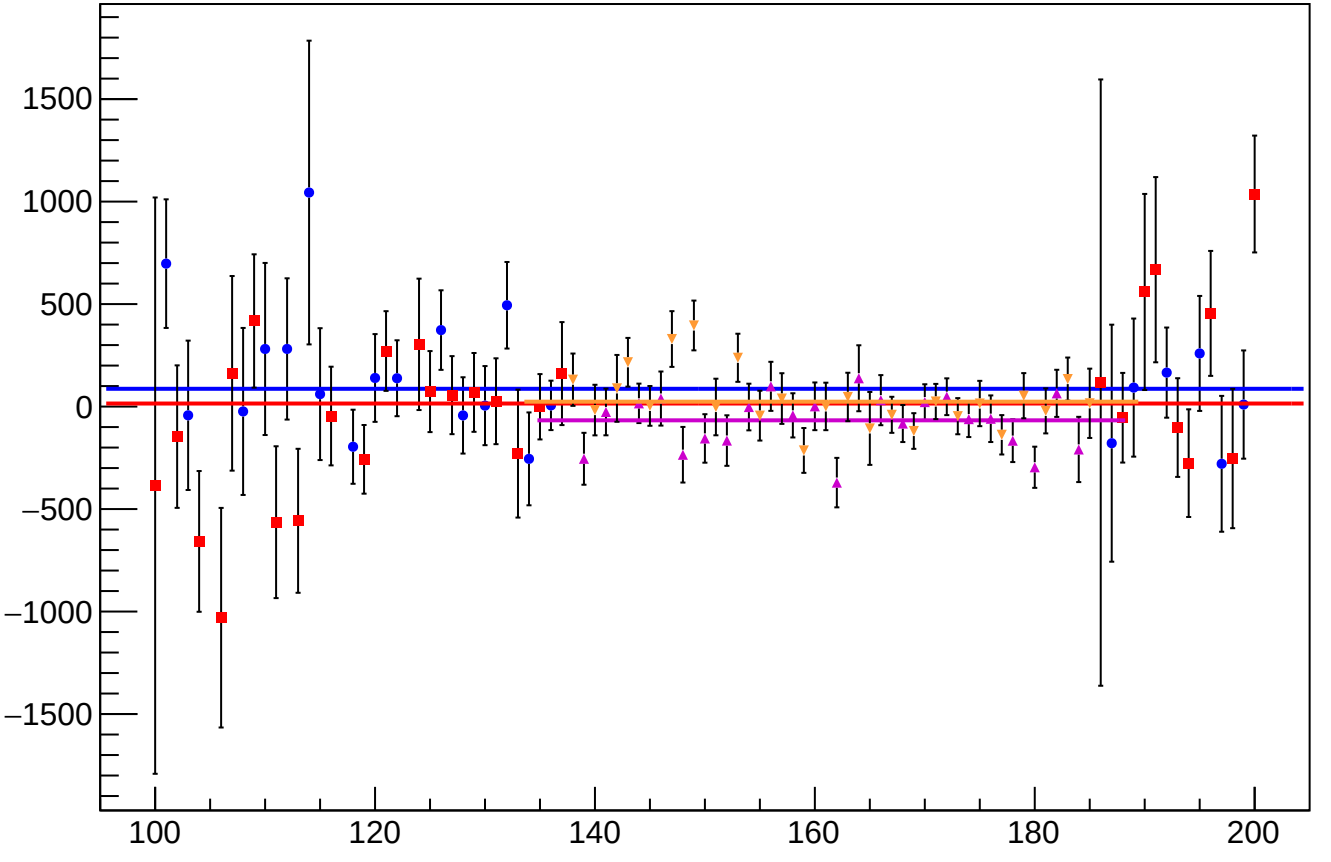
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725236.0/46

All: 497.663+/-0.052 χ^2/NDF: 31885109.3/97

- sign 502.662+/-0.074 χ^2/NDF: 17150939.7/50

dit_asym_sam_26_avg_mean vs Slug



Right In: 86.731+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 14.862+/-49.892 χ^2/NDF: 41.6/27

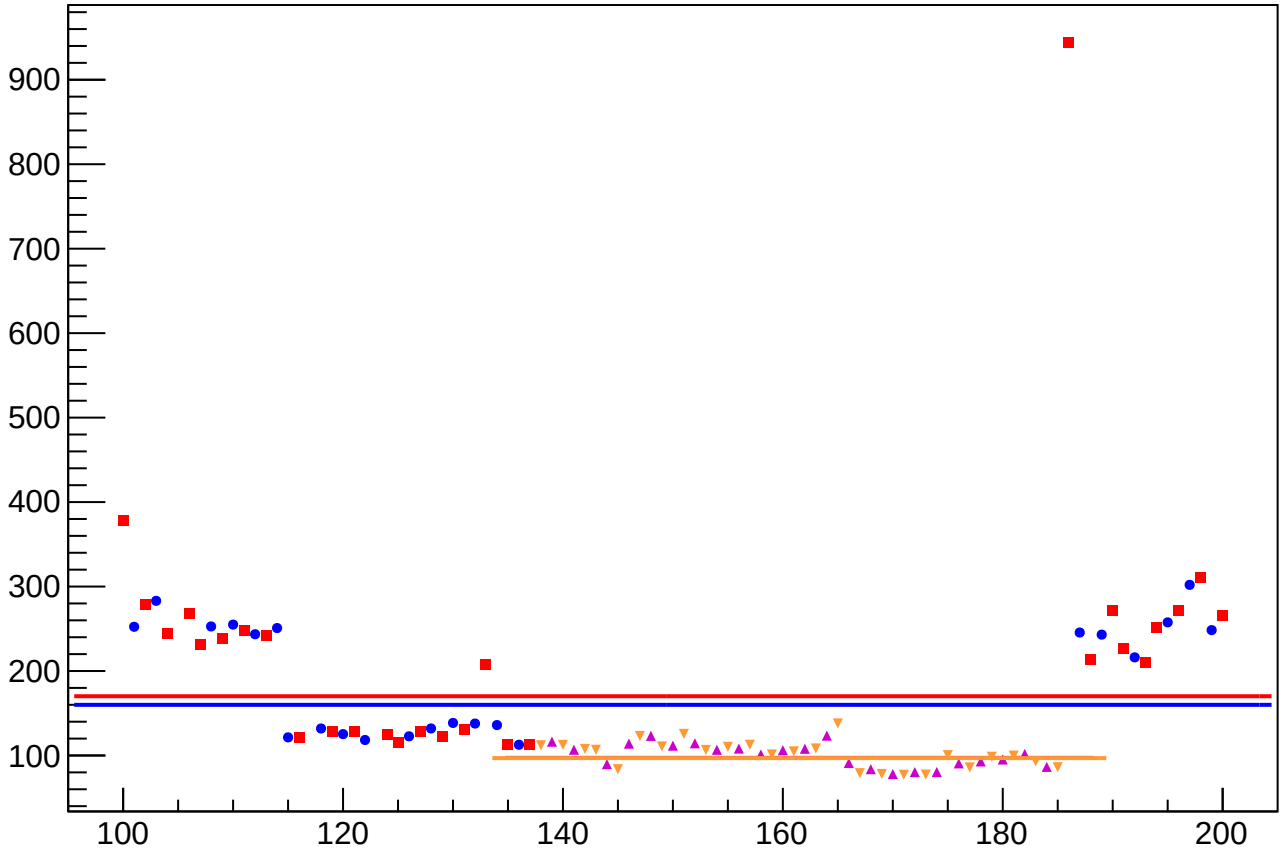
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.227+/-20.485 χ^2/NDF: 56.6/46

All: -8.153+/-14.656 χ^2/NDF: 137.8/97

- sign -52.598+/-20.978 χ^2/NDF: 72.5/50

dit_asym_sam_26_avg_rms vs Slug



Right In: 159.969+/-0.036 χ^2/NDF: 2611775.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

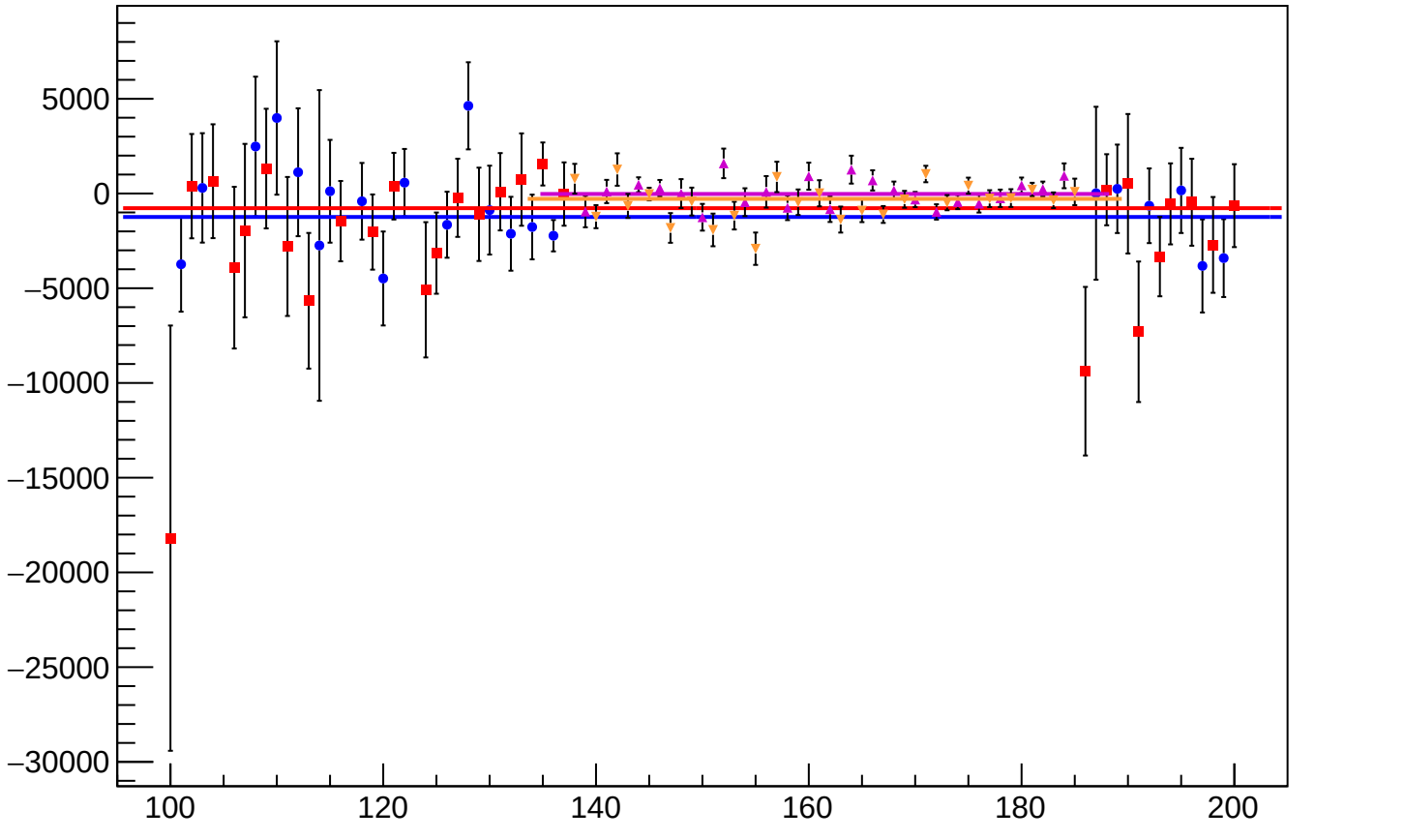
Right Out: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 107.295+/-0.014 χ^2/NDF: 6153520.9/46

All: 108.649+/-0.010 χ^2/NDF: 14007413.0/97

- sign 110.070+/-0.015 χ^2/NDF: 7835975.5/50



Right In: -1239.678+/-437.241 χ^2/NDF: 19.2/21

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -774.948+/-441.637 χ^2/NDF: 24.1/27

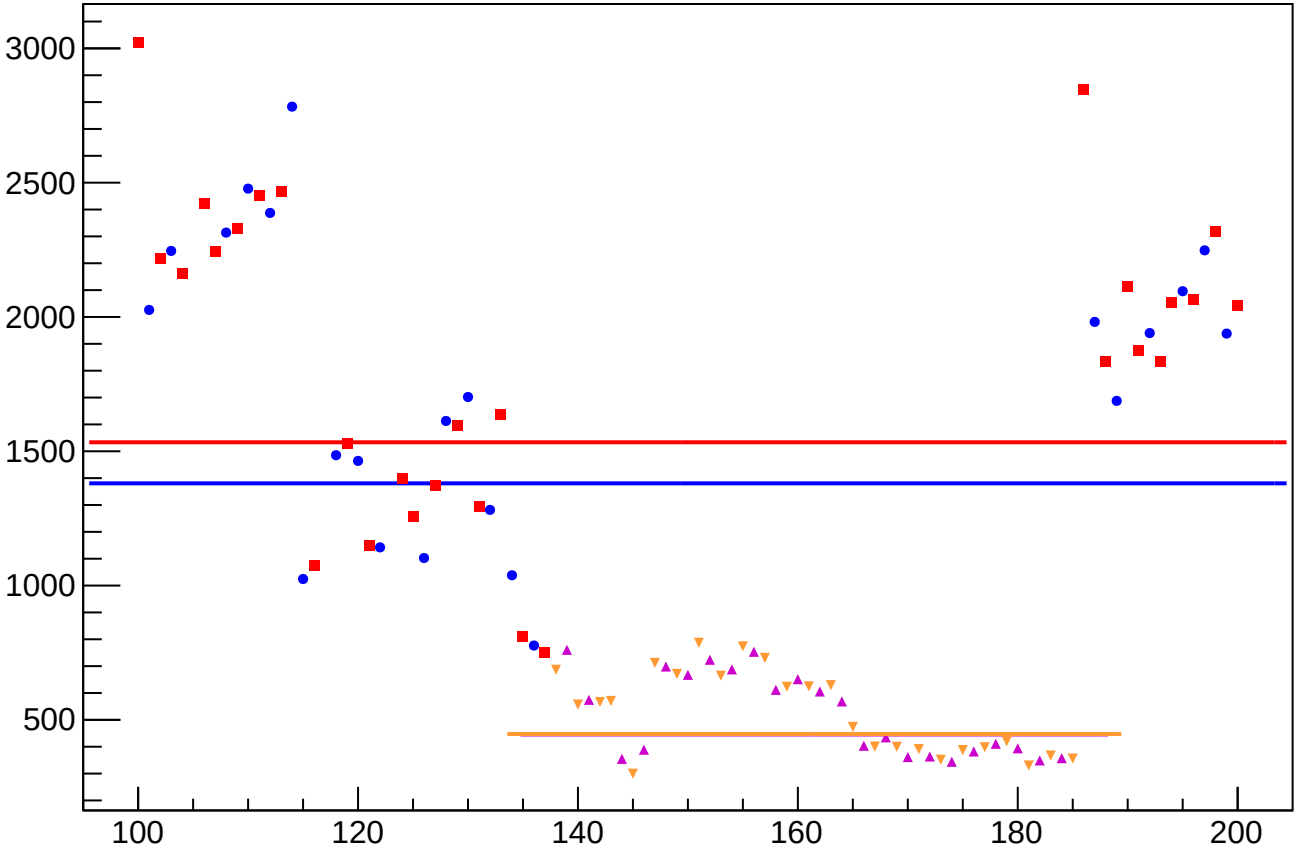
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -335.933+/-103.378 χ^2/NDF: 74.1/46

All: -204.779+/-73.913 χ^2/NDF: 137.1/97

- sign -67.620+/-105.718 χ^2/NDF: 59.7/50

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1380.574+/-0.309 χ^2/NDF: 2990767.7/21

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1533.447+/-0.312 χ^2/NDF: 3148011.9/27

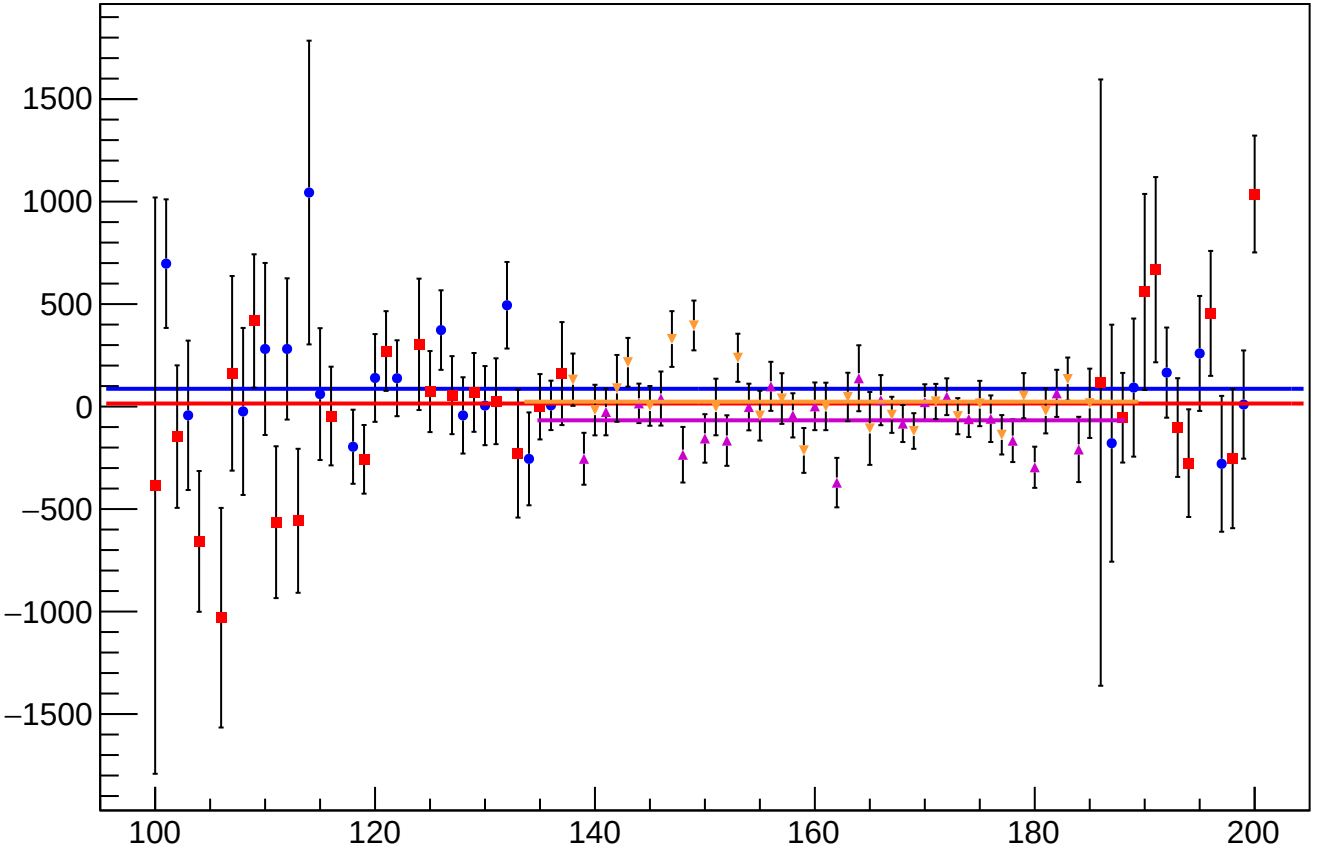
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 499.551+/-0.073 χ^2/NDF: 14789483.2/46

All: 503.599+/-0.052 χ^2/NDF: 32098847.3/97

- sign 507.833+/-0.075 χ^2/NDF: 17303090.0/50

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 86.733+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 14.861+/-49.892 χ^2/NDF: 41.6/27

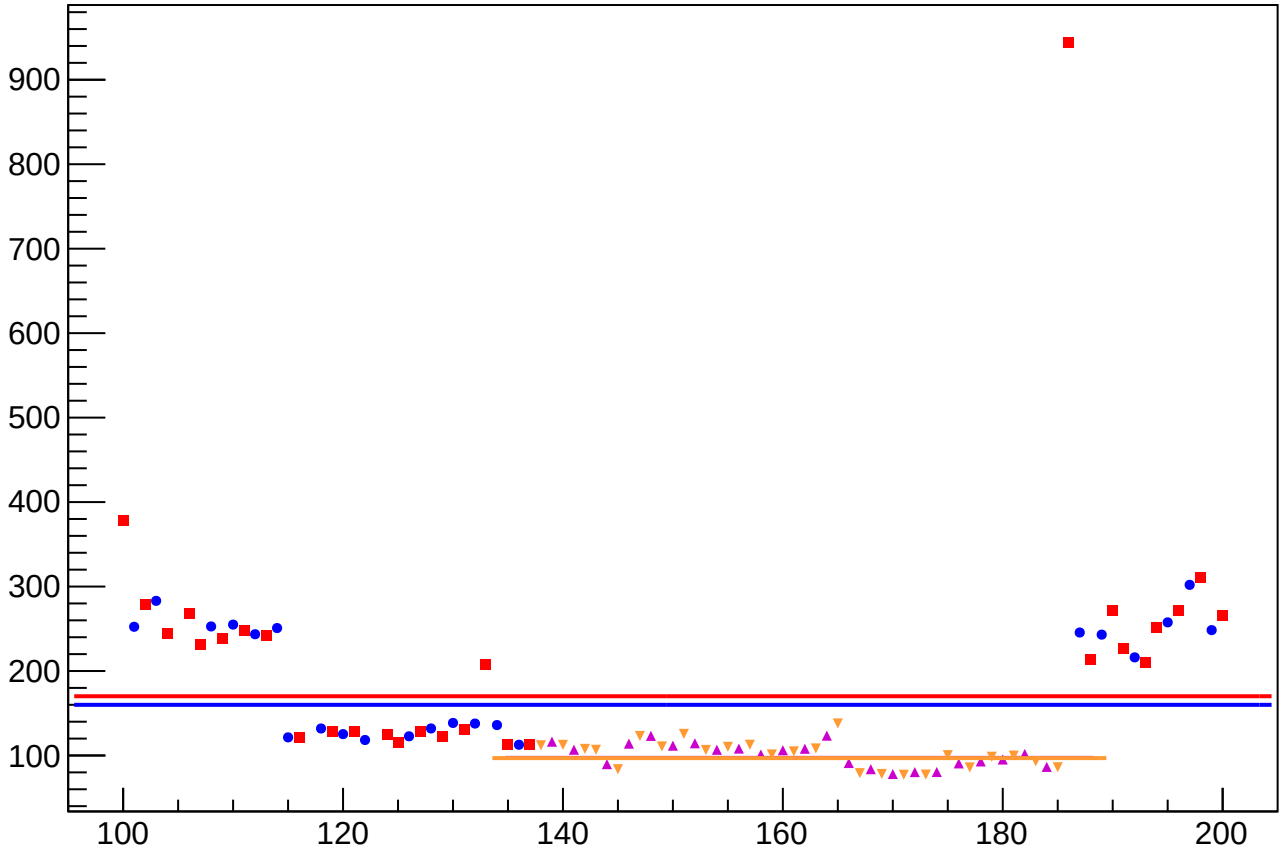
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.227+/-20.485 χ^2/NDF: 56.6/46

All: -8.154+/-14.656 χ^2/NDF: 137.8/97

- sign -52.598+/-20.978 χ^2/NDF: 72.5/50

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 159.968+/-0.036 χ^2/NDF: 2611781.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

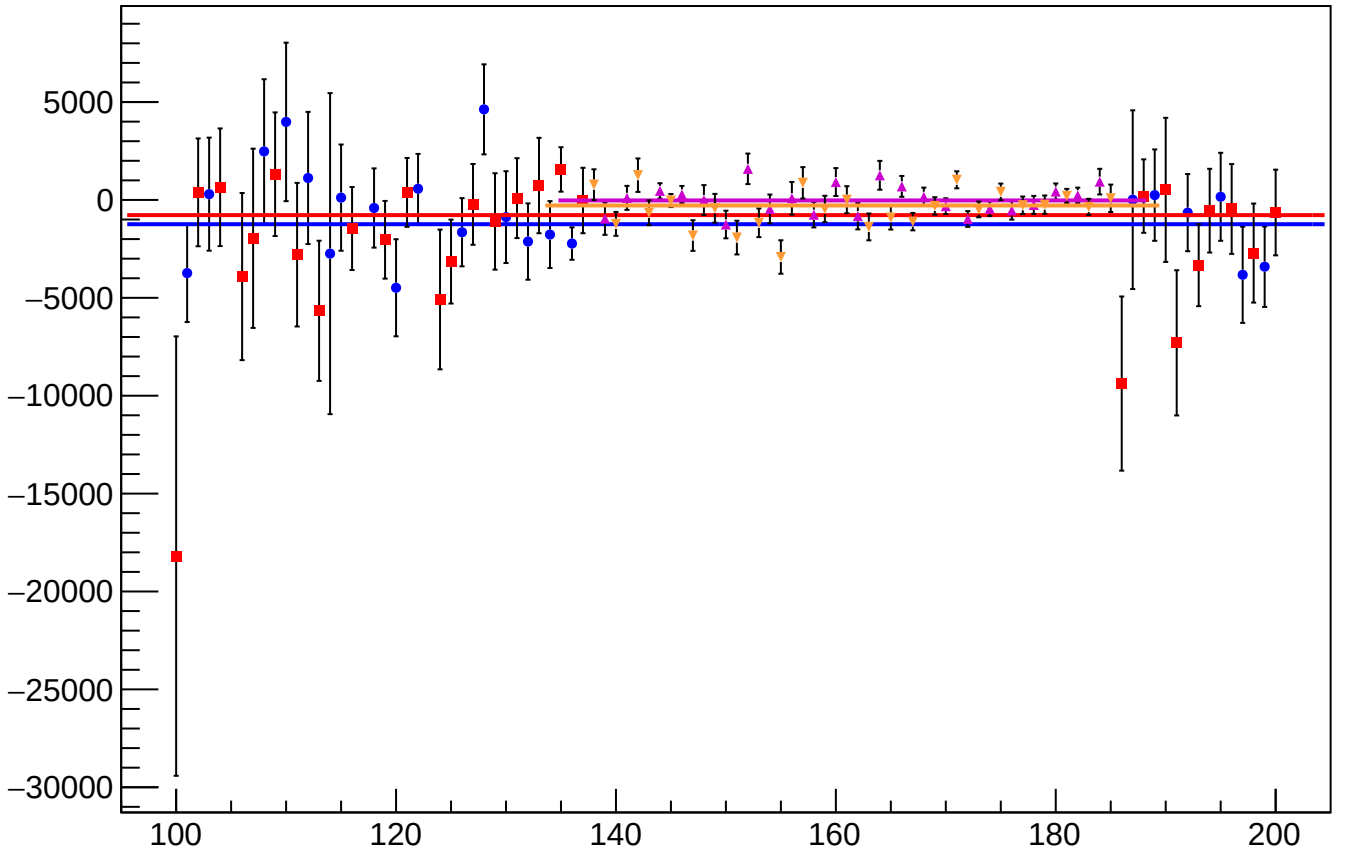
Right Out: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 107.295+/-0.014 χ^2/NDF: 6153460.3/46

All: 108.650+/-0.010 χ^2/NDF: 14007280.1/97

- sign 110.070+/-0.015 χ^2/NDF: 7835901.6/50



Right In: -1239.675+/-437.240 χ^2/NDF: 19.2/21

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

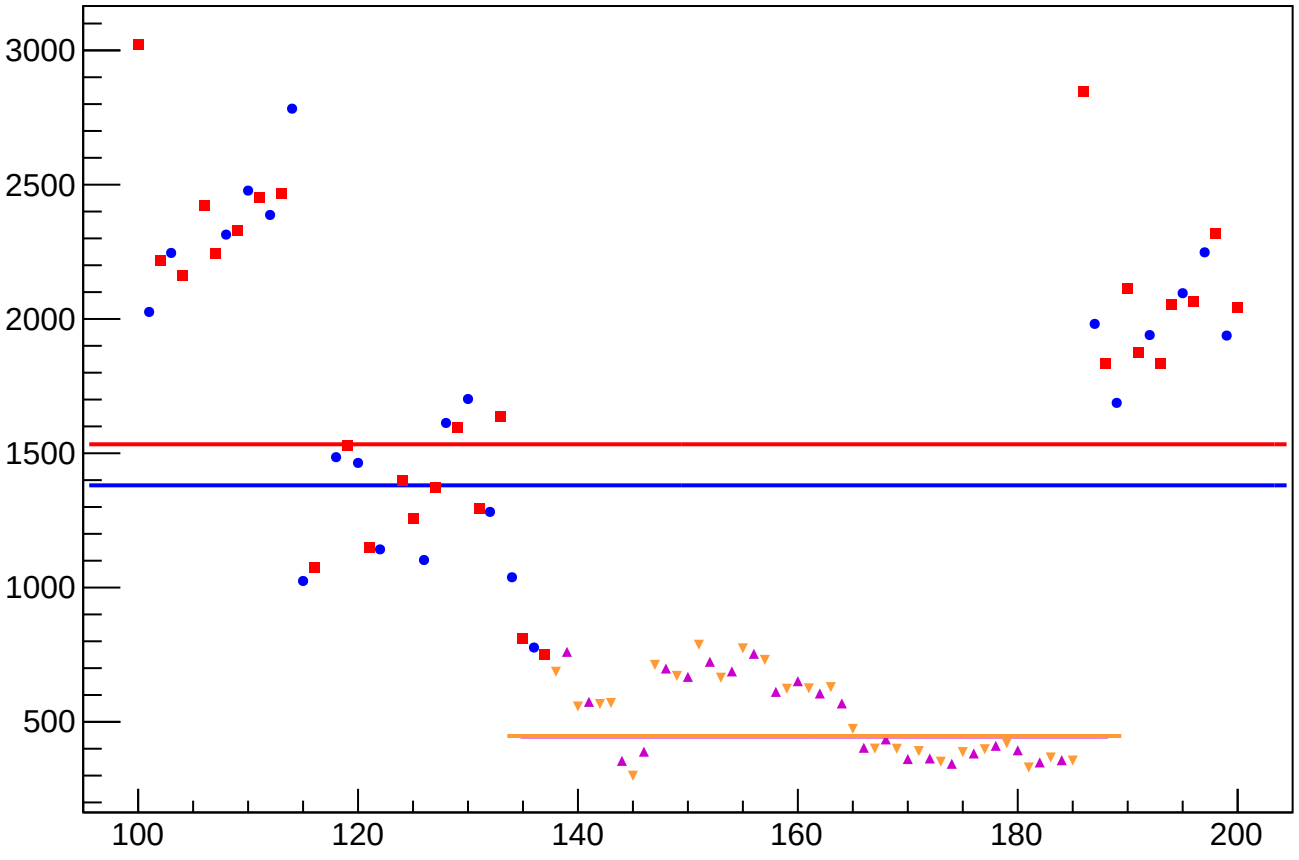
Right Out: -774.949+/-441.637 χ^2/NDF: 24.1/27

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -335.932+/-103.378 χ^2/NDF: 74.1/46

All: -204.779+/-73.913 χ^2/NDF: 137.1/97

- sign -67.621+/-105.718 χ^2/NDF: 59.7/50



Right In: 1380.574+/-0.309 χ^2/NDF: 2990749.8/21

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1533.446+/-0.312 χ^2/NDF: 3148000.3/27

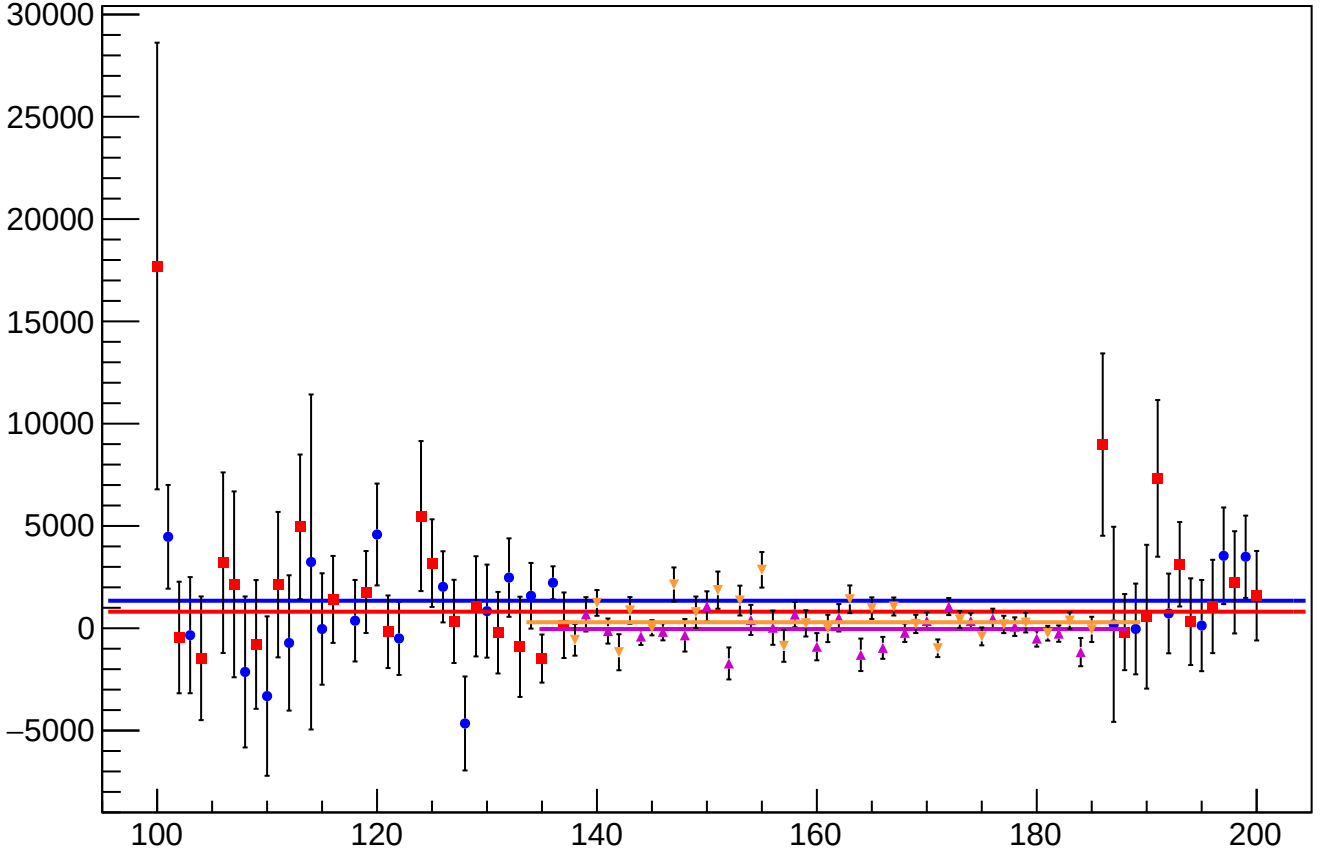
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 499.551+/-0.073 χ^2/NDF: 14789498.7/46

All: 503.599+/-0.052 χ^2/NDF: 32098868.0/97

- sign 507.832+/-0.075 χ^2/NDF: 17303095.0/50

asym_sam_26_avg_mean vs Slug



Right In: 1344.891+/-428.602 χ^2/NDF: 19.3/21

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 810.011+/-440.989 χ^2/NDF: 21.9/27

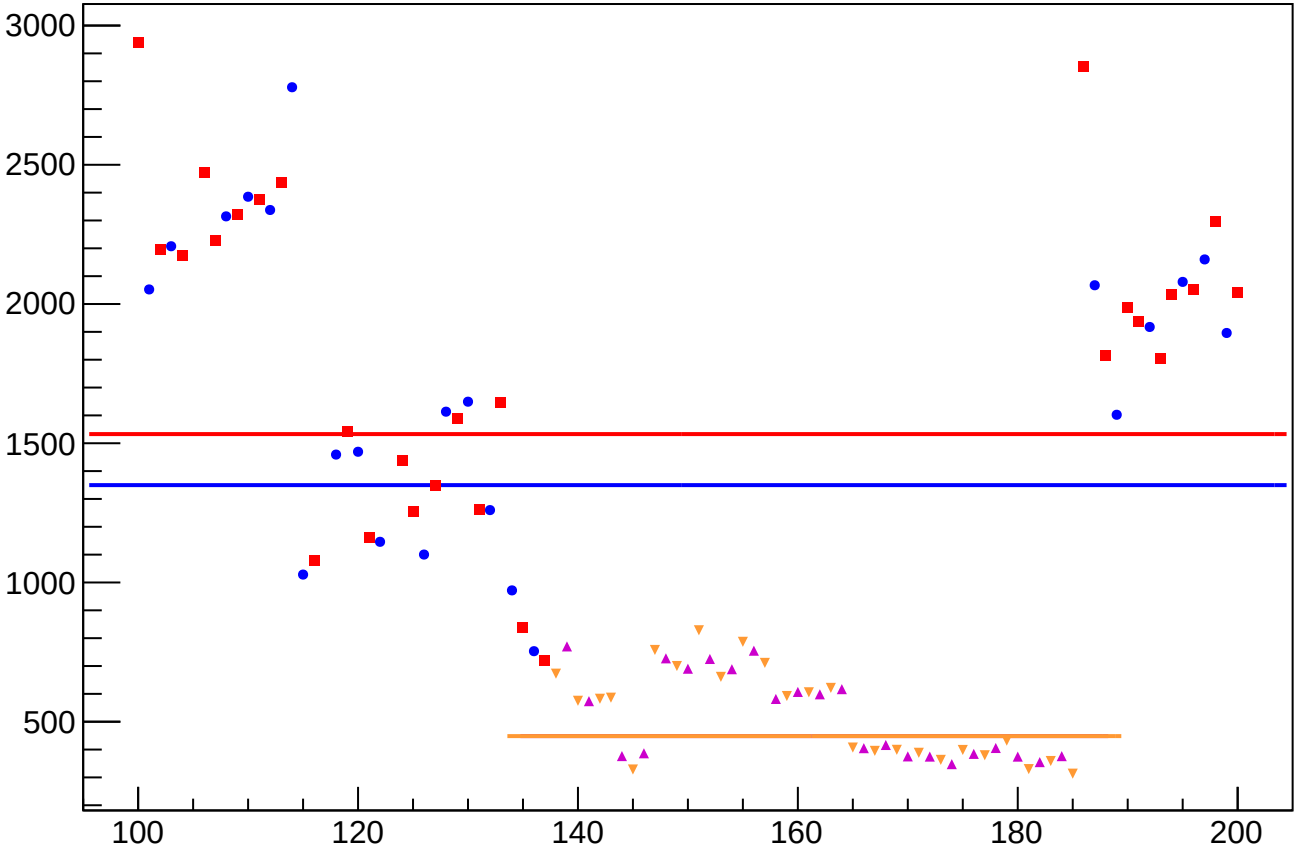
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 356.395+/-103.640 χ^2/NDF: 75.5/46

All: 187.750+/-74.140 χ^2/NDF: 139.3/97

- sign 10.991+/-106.104 χ^2/NDF: 58.3/50

asym_sam_26_avg_rms vs Slug



Right In: 1349.635+/-0.303 χ^2/NDF: 3072860.3/21

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1532.901+/-0.312 χ^2/NDF: 3056619.3/27

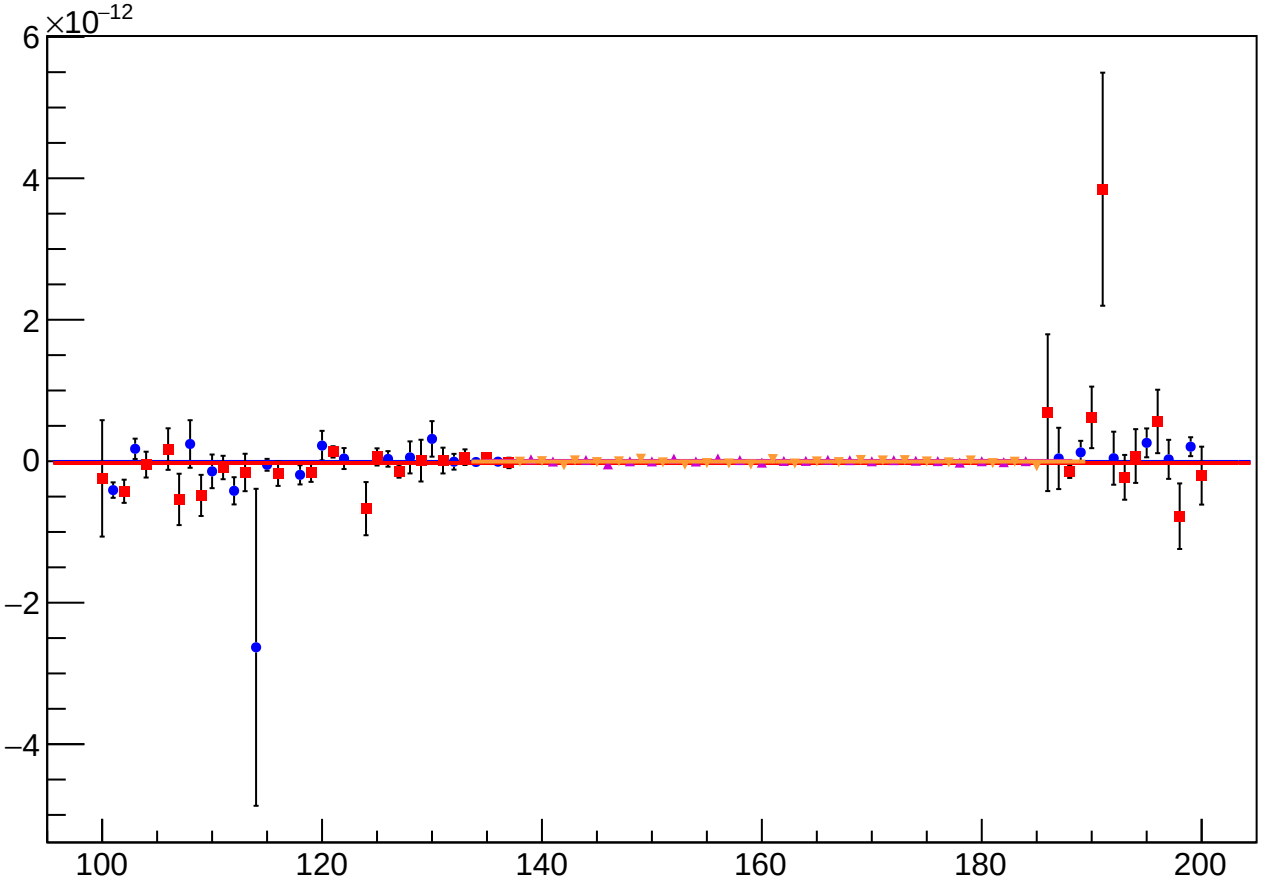
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 500.982+/-0.073 χ^2/NDF: 14557909.1/46

All: 505.961+/-0.052 χ^2/NDF: 31640339.0/97

- sign 511.180+/-0.075 χ^2/NDF: 17072976.3/50

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

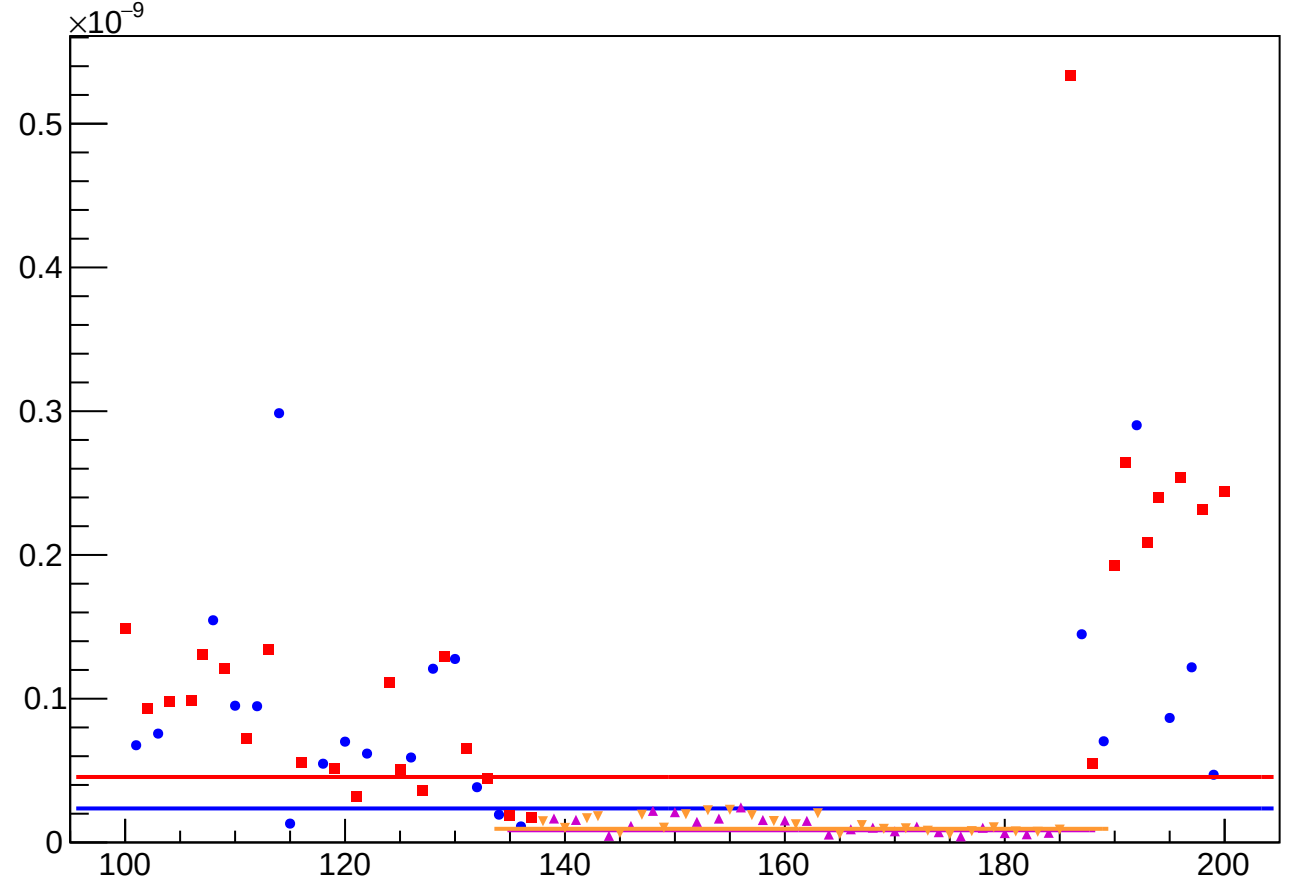
Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/27

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/46

All: -0.000+/-0.000 χ^2/NDF: 116.3/97

- sign 0.000+/-0.000 χ^2/NDF: 58.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5263504.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

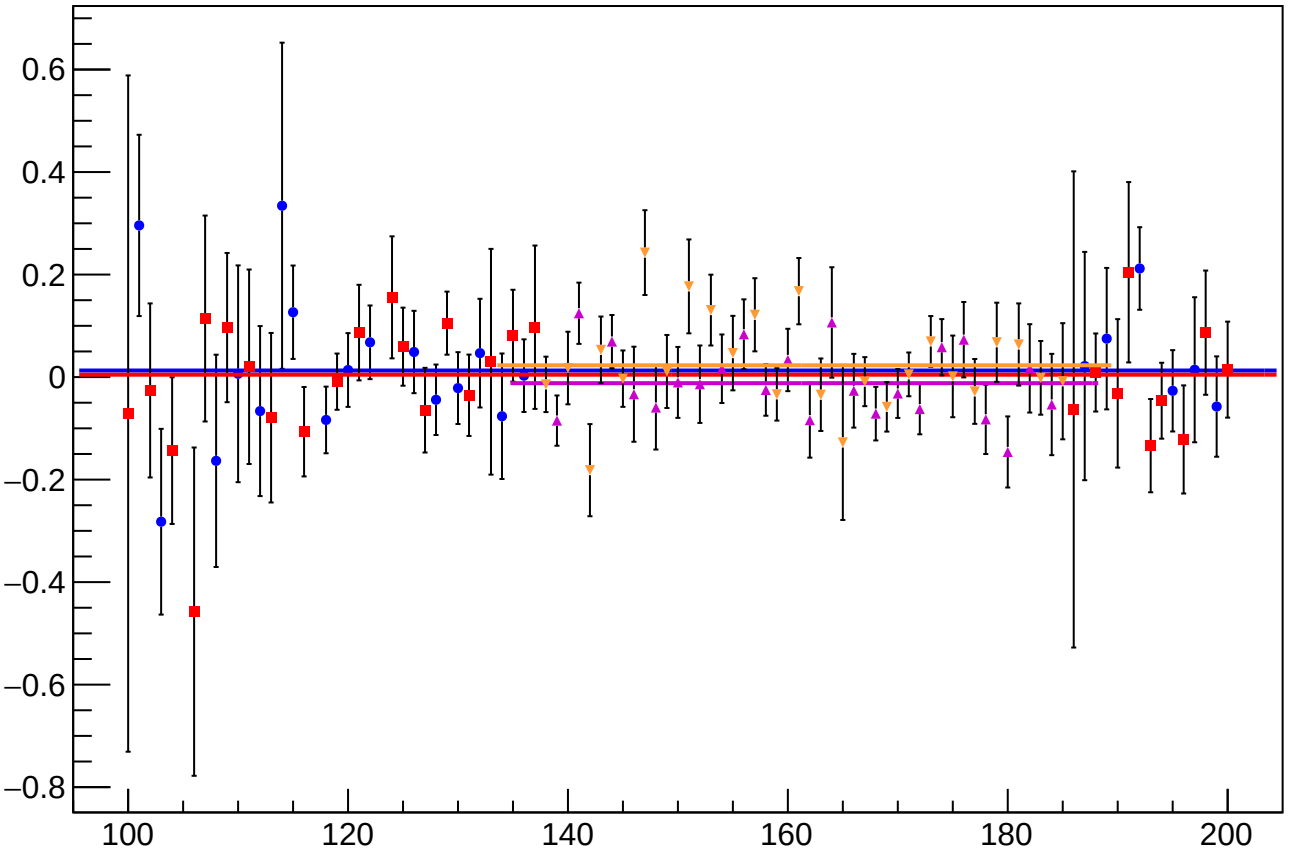
Right Out: 0.000+/-0.000 χ^2/NDF: 5139362.5/27

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8944569.3/46

All: 0.000+/-0.000 χ^2/NDF: 20856834.0/97

- sign 0.000+/-0.000 χ^2/NDF: 11851706.3/50



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

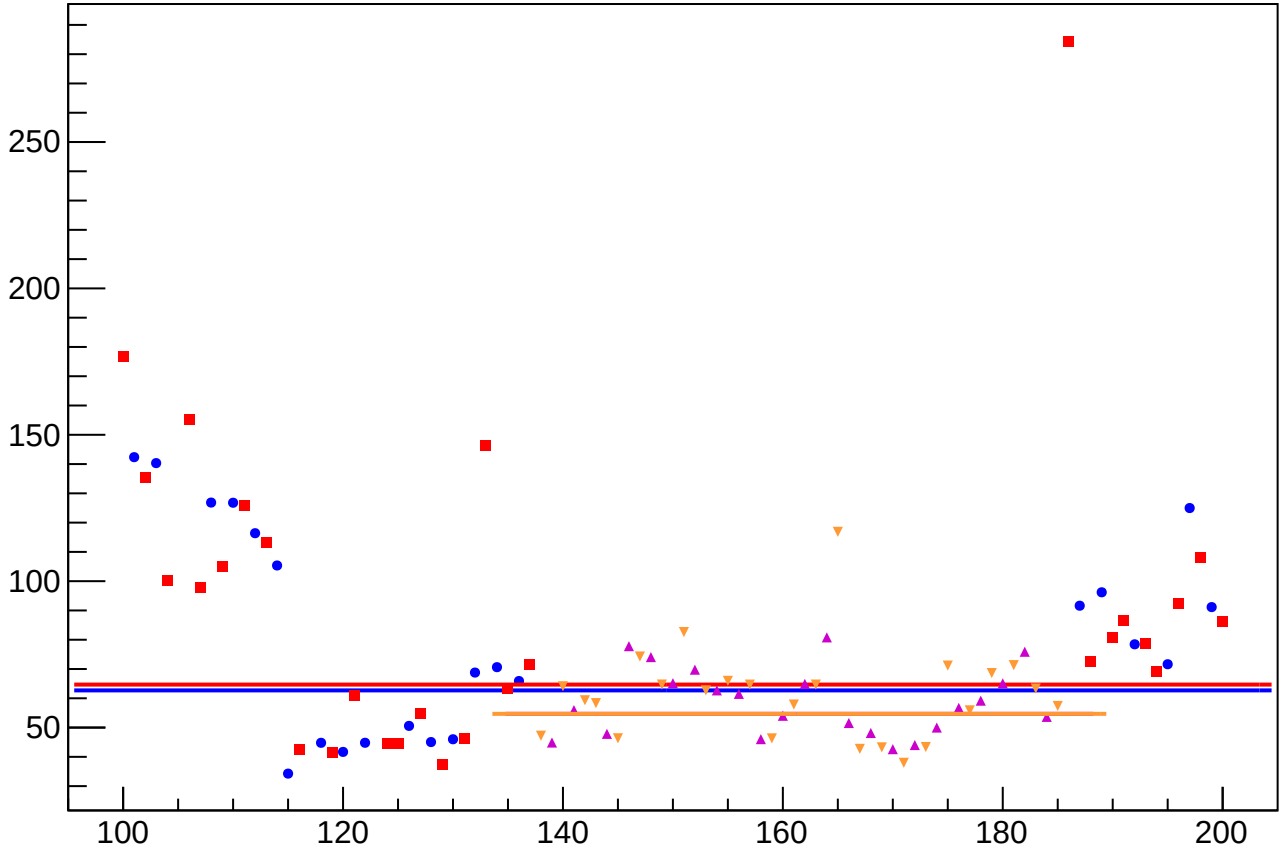
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/97

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

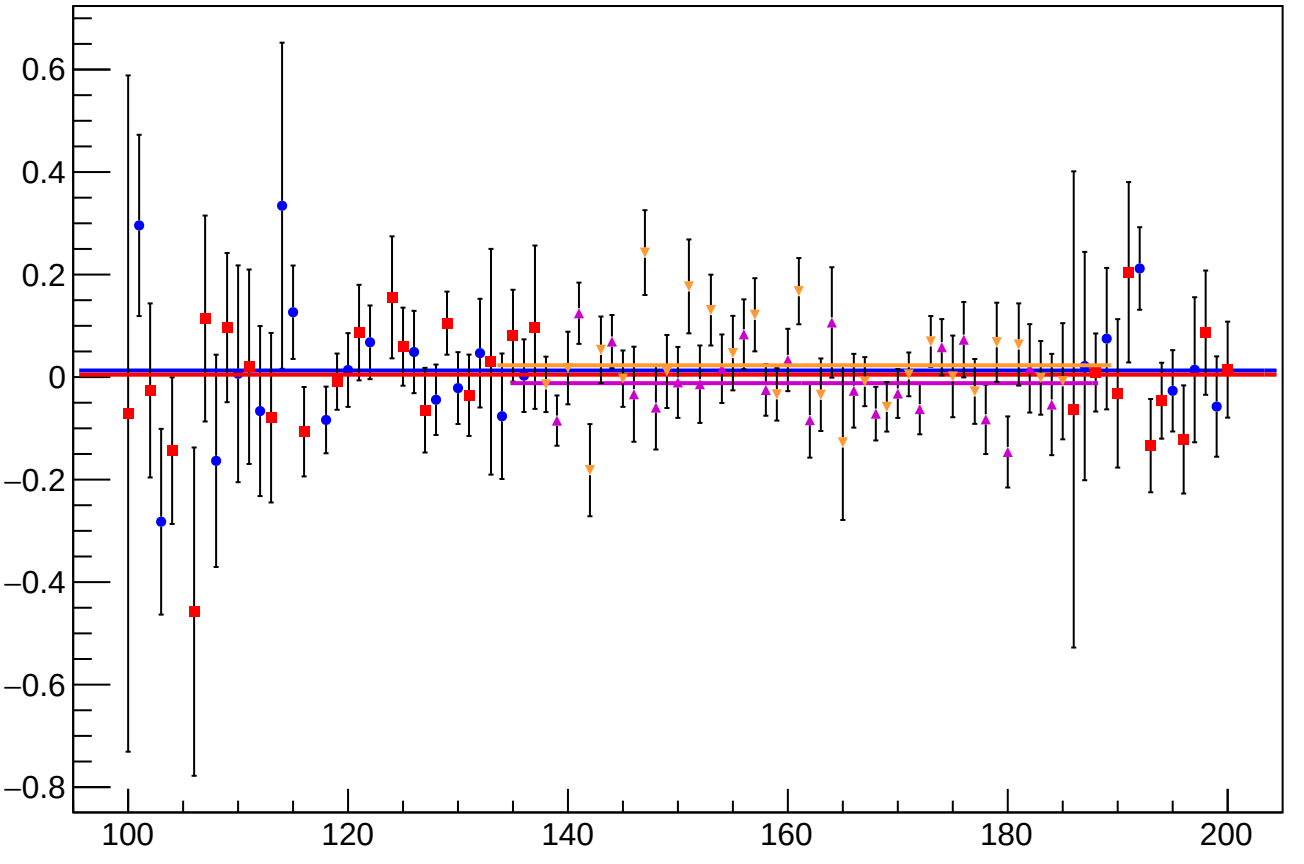
Right Out: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.955+/-0.008 χ^2/NDF: 5308859.9/46

All: 57.405+/-0.005 χ^2/NDF: 10728707.0/97

- sign 57.856+/-0.008 χ^2/NDF: 5413082.3/50



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

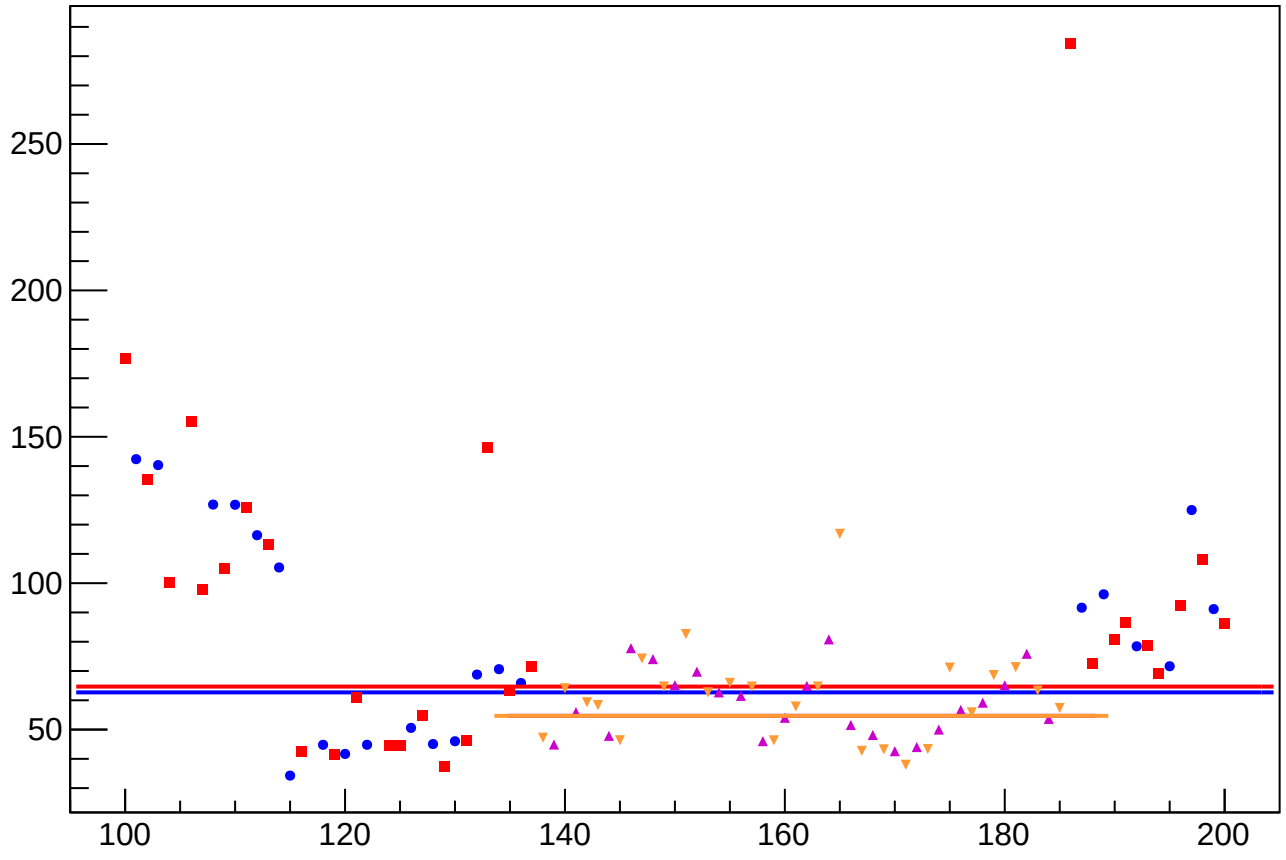
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/97

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

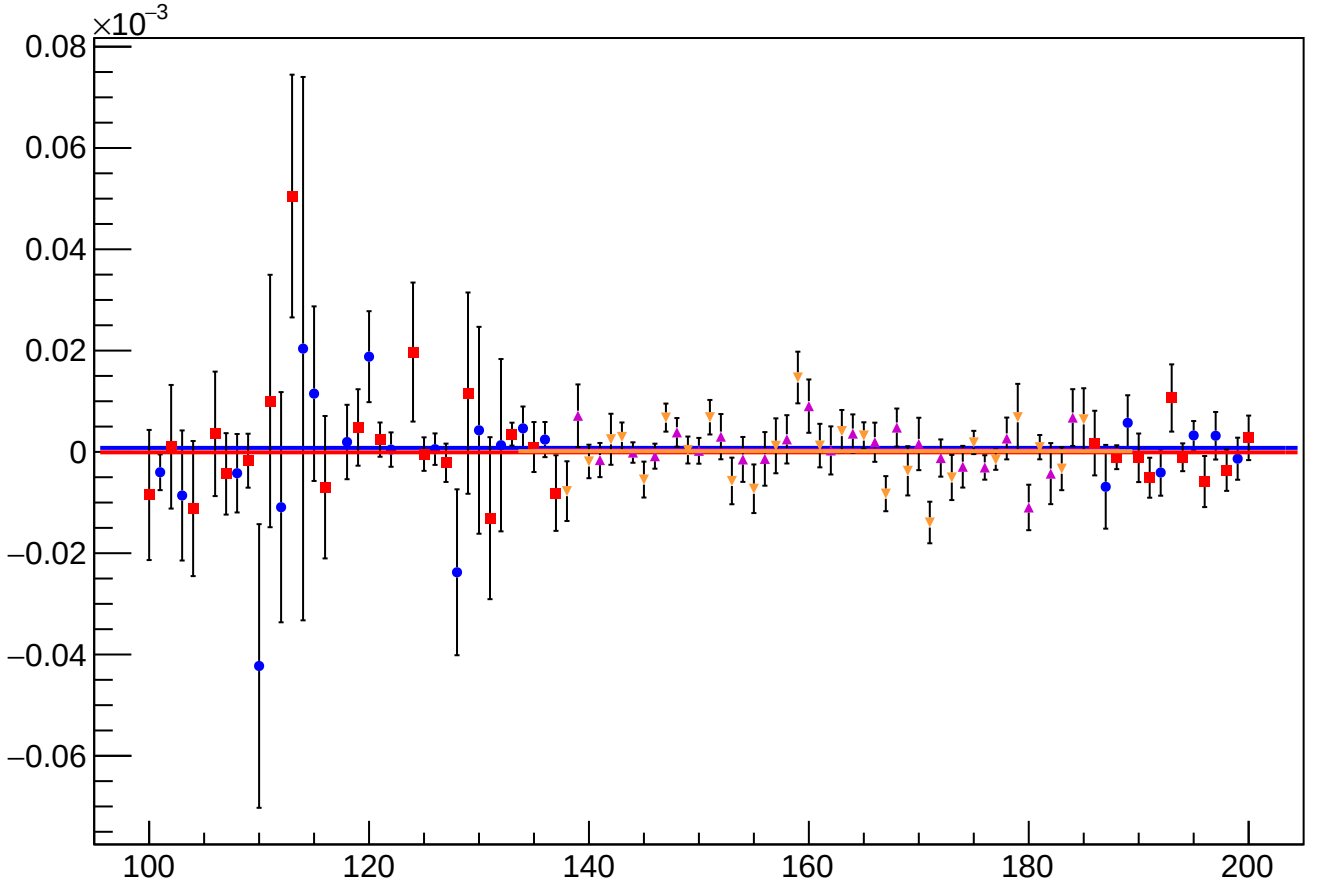
Right Out: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.955+/-0.008 χ^2/NDF: 5308859.9/46

All: 57.405+/-0.005 χ^2/NDF: 10728707.0/97

- sign 57.856+/-0.008 χ^2/NDF: 5413082.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/27

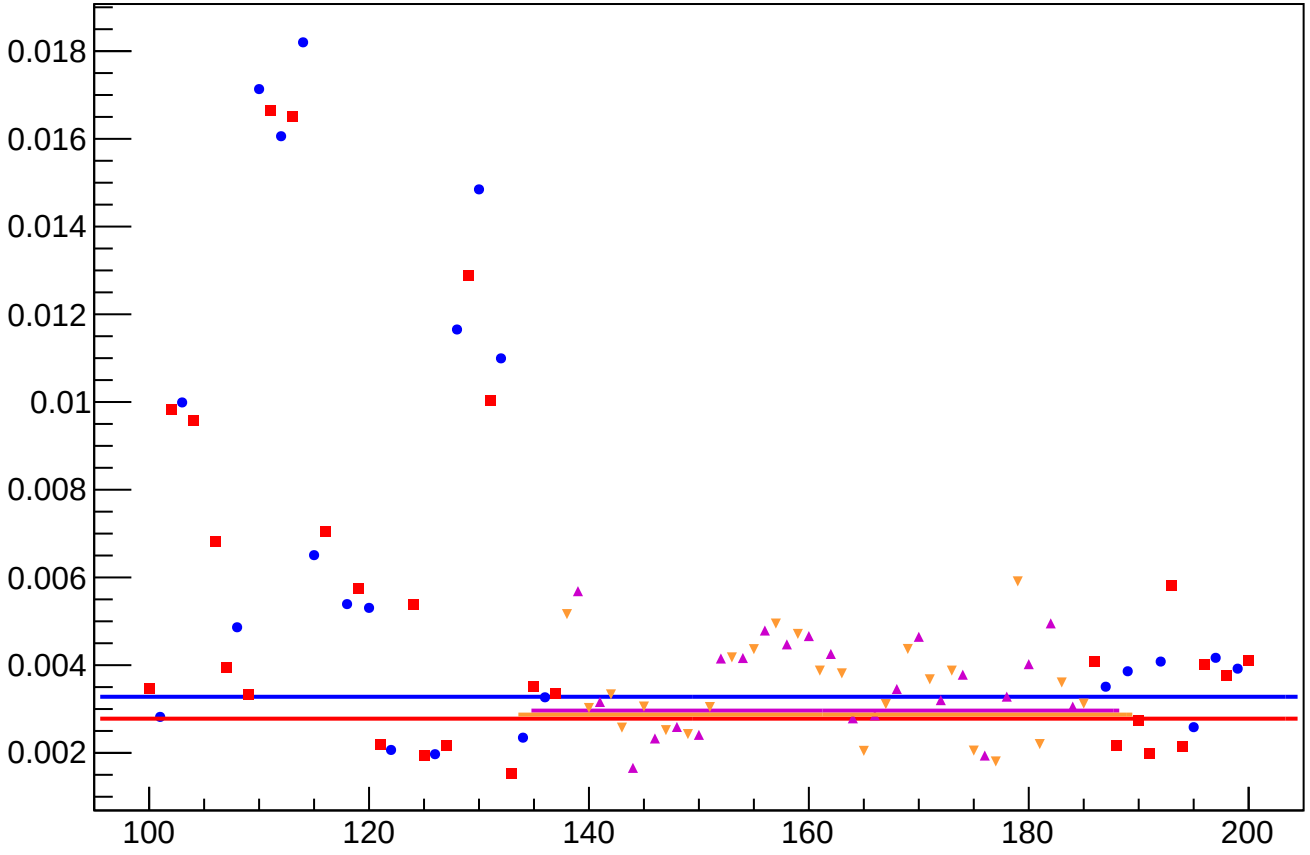
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/46

All: 0.000+/-0.000 χ^2/NDF: 113.9/97

- sign 0.000+/-0.000 χ^2/NDF: 42.5/50

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4881721.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

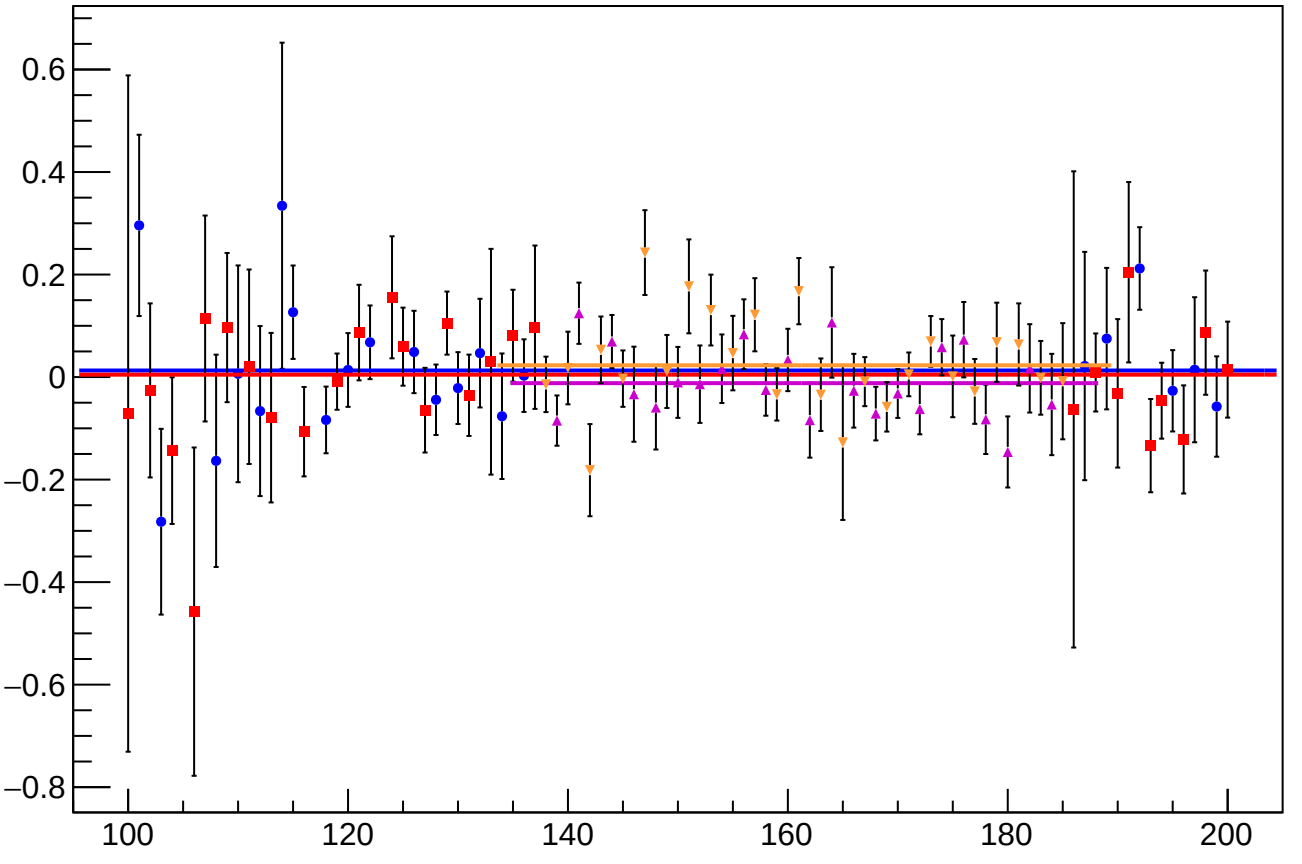
Right Out: 0.003+/-0.000 χ^2/NDF: 6391586.5/27

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8675421.8/46

All: 0.003+/-0.000 χ^2/NDF: 18762848.2/97

- sign 0.003+/-0.000 χ^2/NDF: 10059768.2/50



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

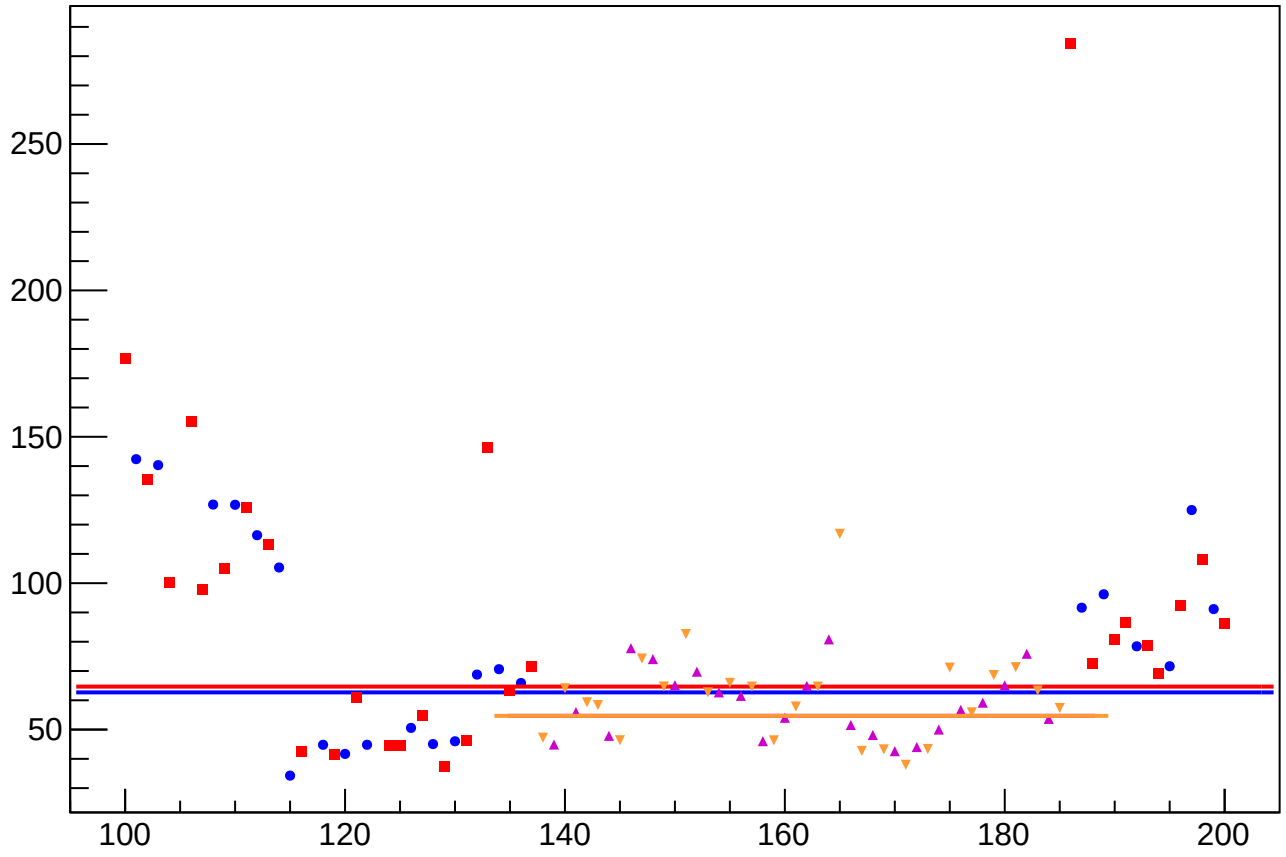
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/97

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

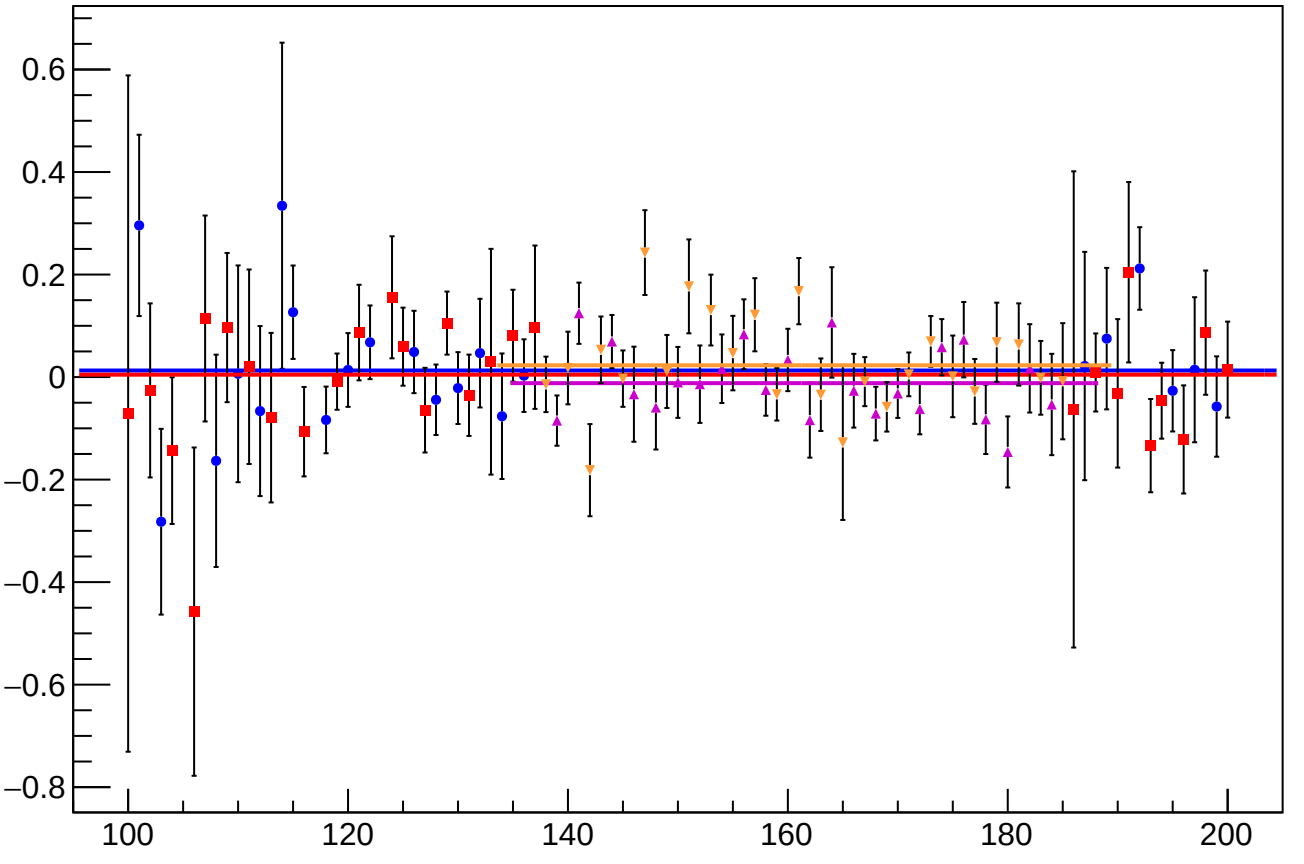
Right Out: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.955+/-0.008 χ^2/NDF: 5308791.1/46

All: 57.405+/-0.005 χ^2/NDF: 10728524.0/97

- sign 57.856+/-0.008 χ^2/NDF: 5412967.5/50



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

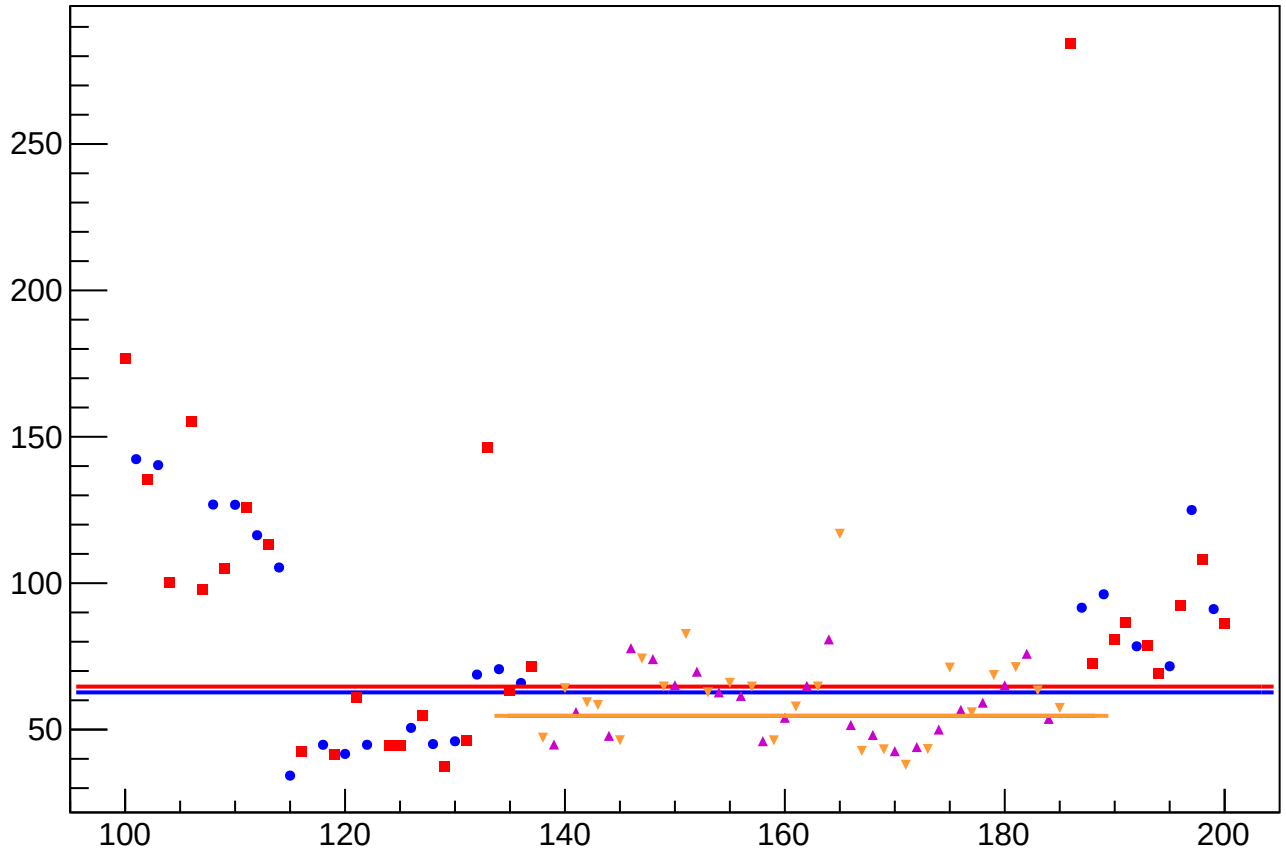
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/97

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

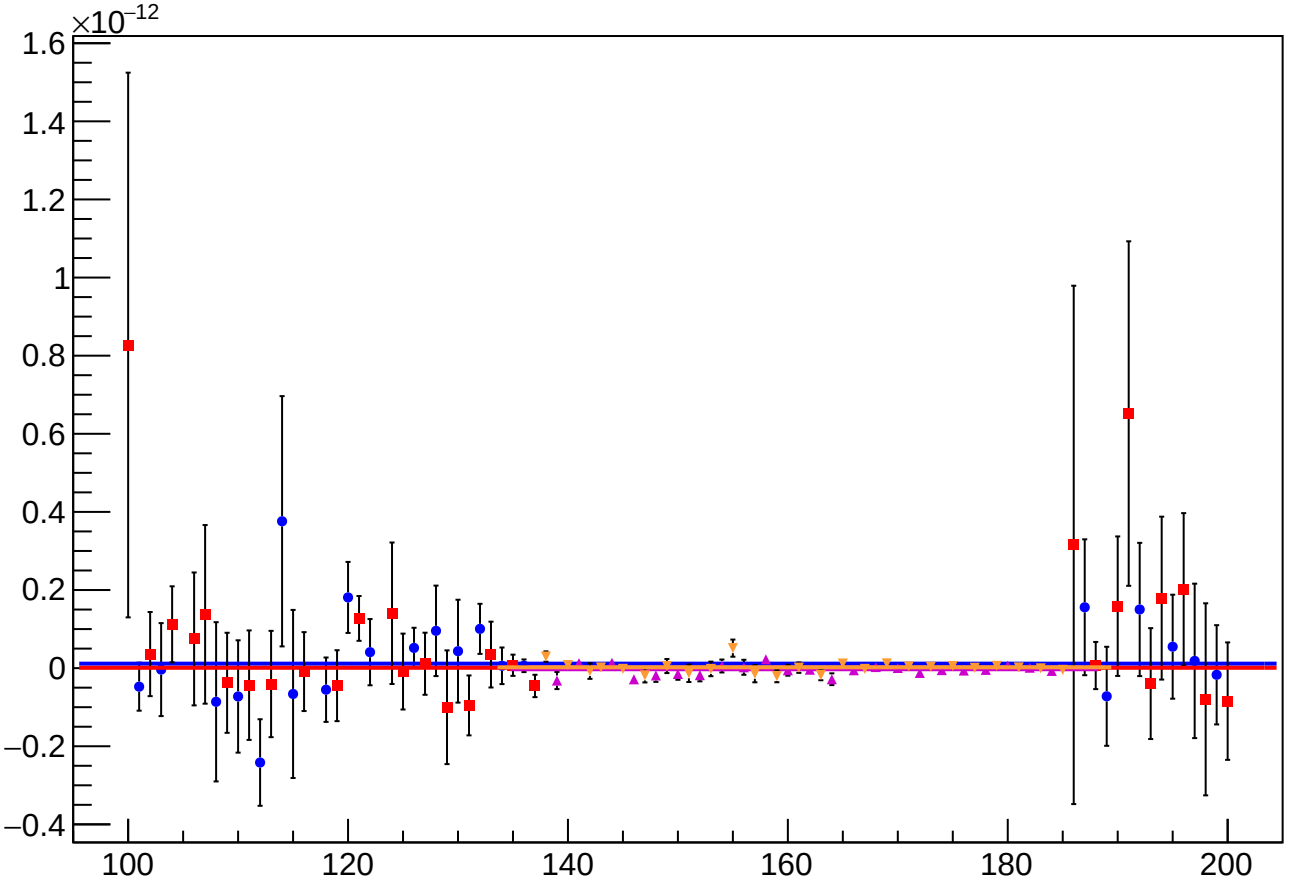
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 56.955+/-0.008 χ^2/NDF: 5308791.1/46

All: 57.405+/-0.005 χ^2/NDF: 10728524.0/97

\- sign 57.856+/-0.008 χ^2/NDF: 5412967.5/50

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

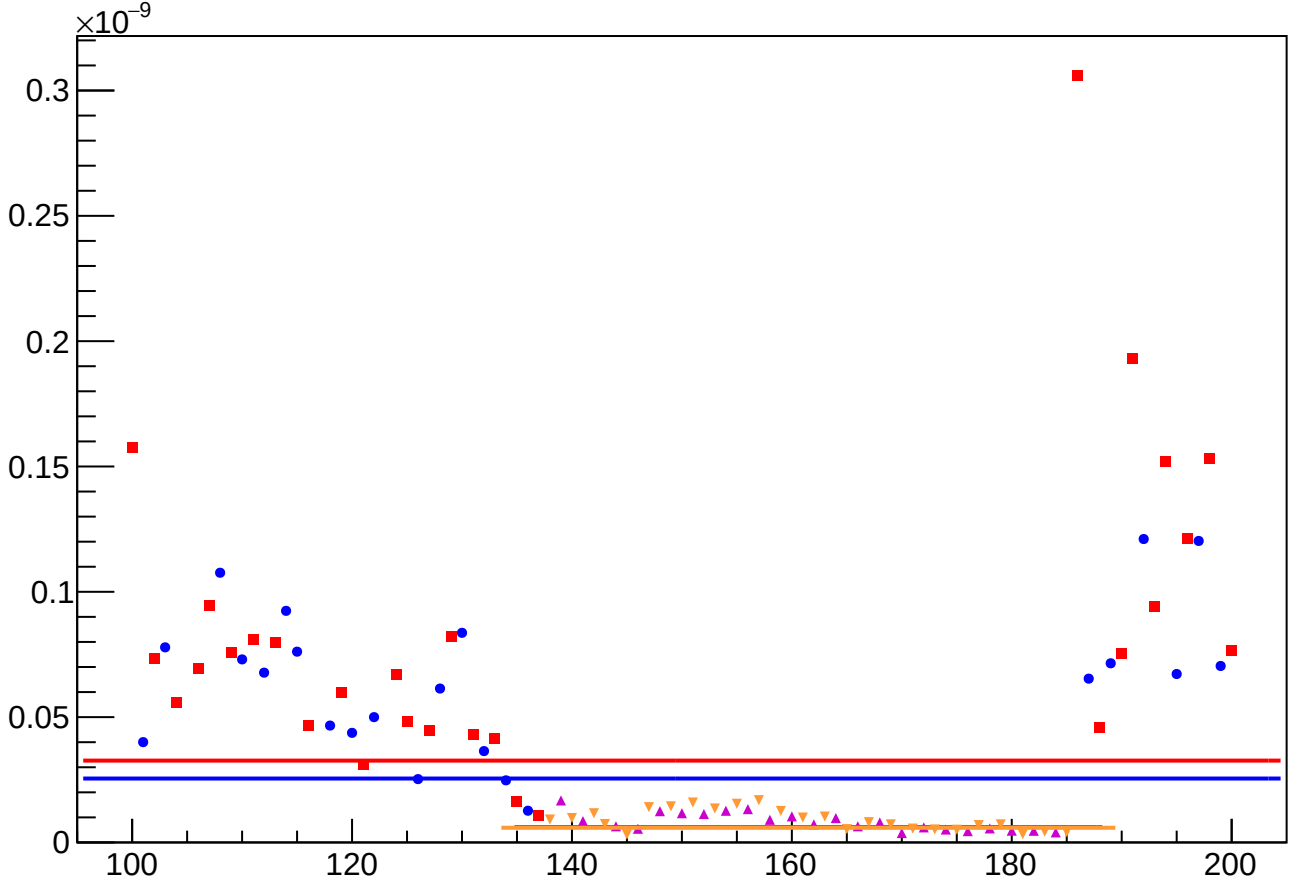
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/27

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/46

All: -0.000+/-0.000 χ^2/NDF: 95.6/97

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 5709197.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6890993.7/27

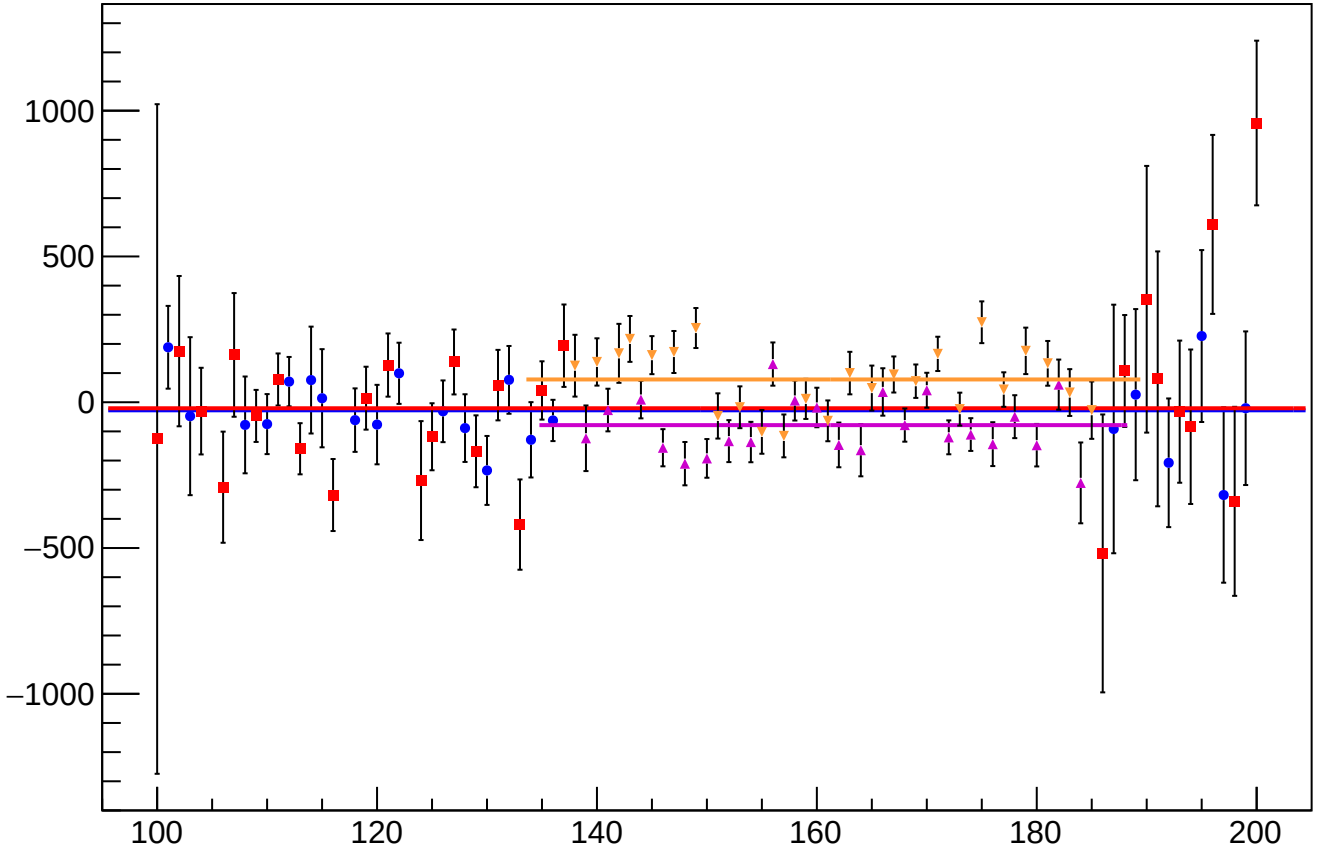
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15953040.2/46

All: 0.000+/-0.000 χ^2/NDF: 32593994.7/97

- sign 0.000+/-0.000 χ^2/NDF: 16615686.6/50

reg_asym_sam_37_avg_mean vs Slug



Right In: -27.647+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.666+/-27.314 χ^2/NDF: 49.9/27

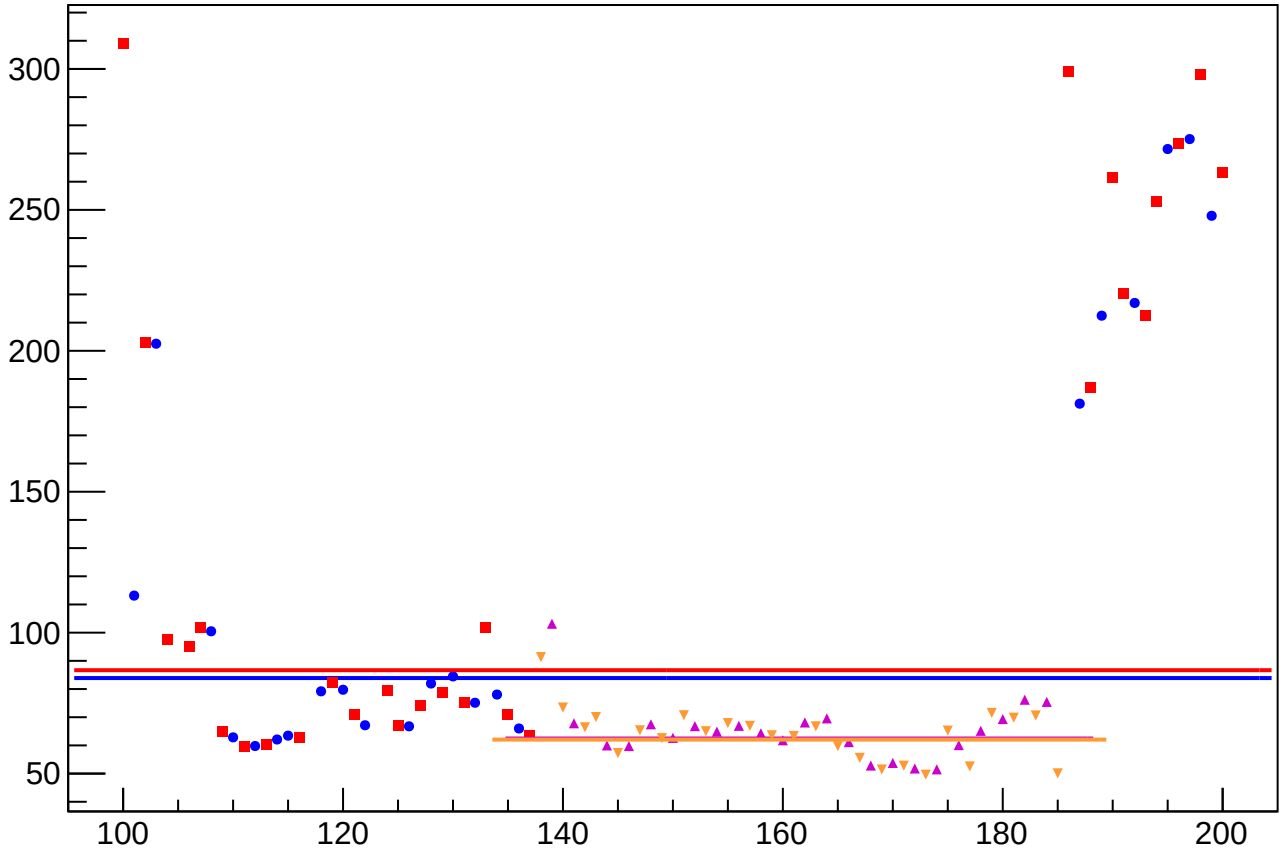
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.272+/-12.758 χ^2/NDF: 78.6/46

All: -3.309+/-9.113 χ^2/NDF: 213.1/97

- sign -65.363+/-13.020 χ^2/NDF: 90.0/50

reg_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654913.4/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 86.681+/-0.019 χ^2/NDF: 6458459.6/27

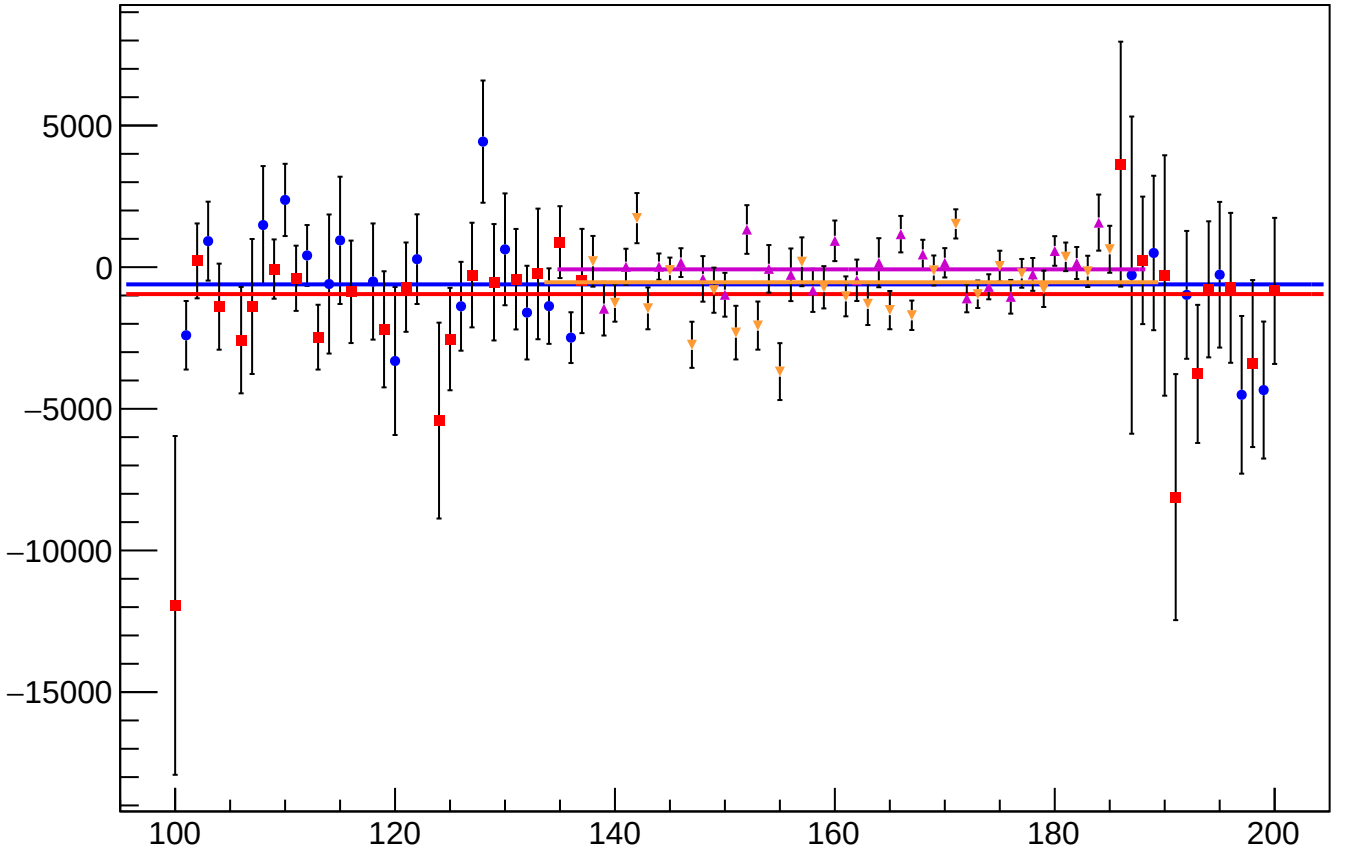
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302592.3/46

All: 67.252+/-0.006 χ^2/NDF: 14653884.7/97

- sign 67.952+/-0.009 χ^2/NDF: 8339946.8/50

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -607.585+/-355.240 χ^2/NDF: 28.4/21

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -950.448+/-346.549 χ^2/NDF: 19.3/27

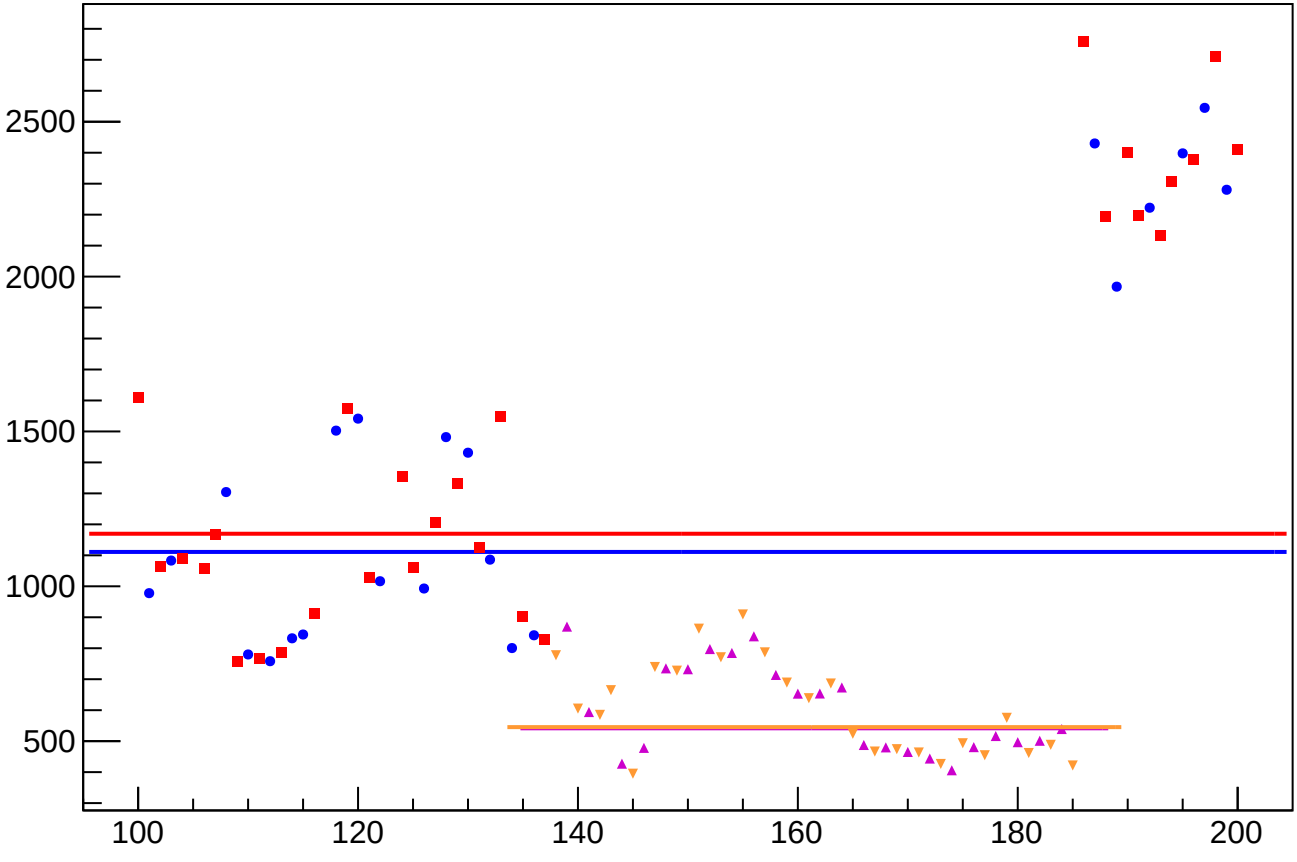
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -541.366+/-120.360 χ^2/NDF: 97.5/46

All: -365.836+/-85.674 χ^2/NDF: 155.1/97

- sign -185.555+/-121.978 χ^2/NDF: 53.2/50

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1110.959+/-0.251 χ^2/NDF: 3286724.5/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1169.708+/-0.245 χ^2/NDF: 4339677.3/27

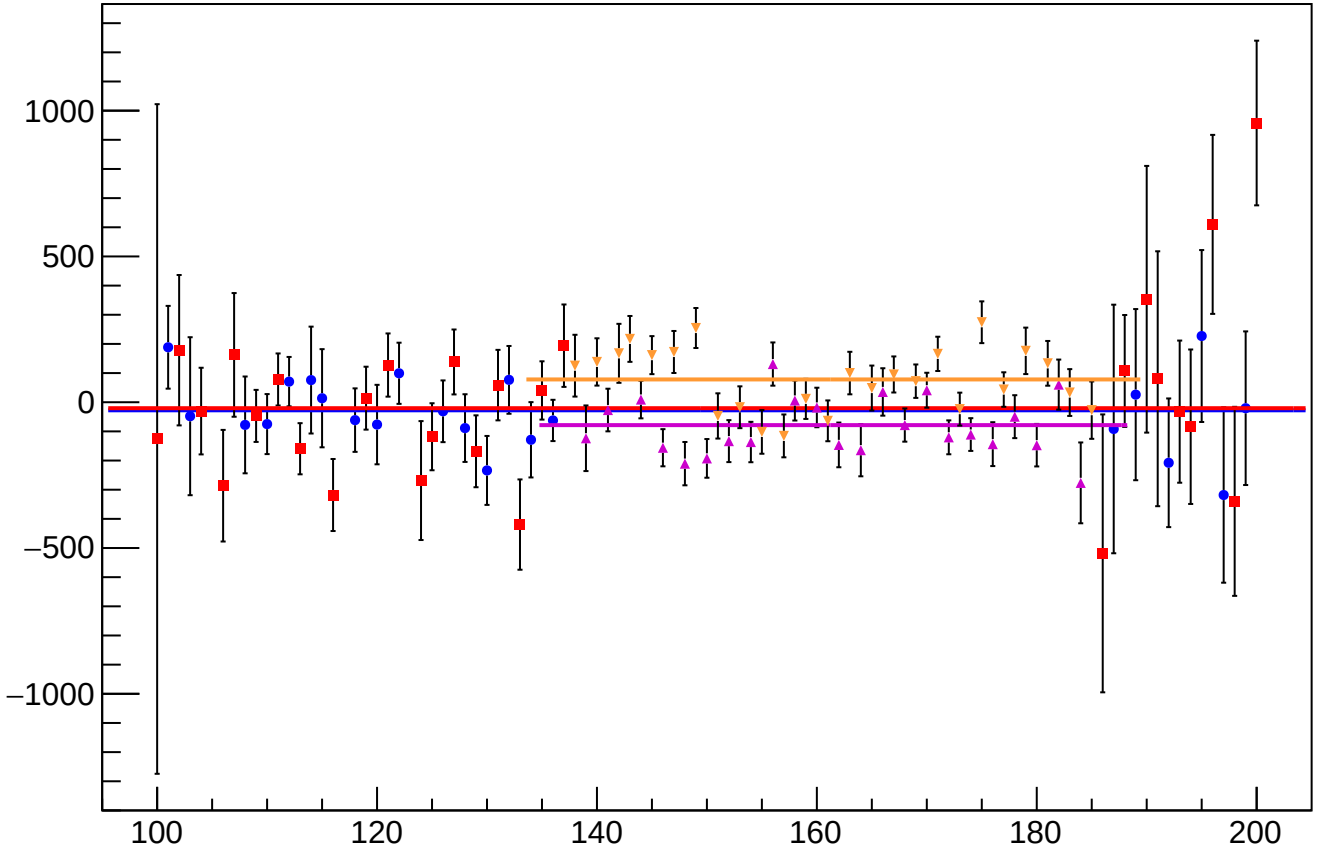
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859258.8/46

All: 614.704+/-0.061 χ^2/NDF: 21803569.7/97

- sign 619.291+/-0.086 χ^2/NDF: 11938729.4/50

cor_asym_sam_37_avg_mean vs Slug



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.478+/-27.316 χ^2/NDF: 49.8/27

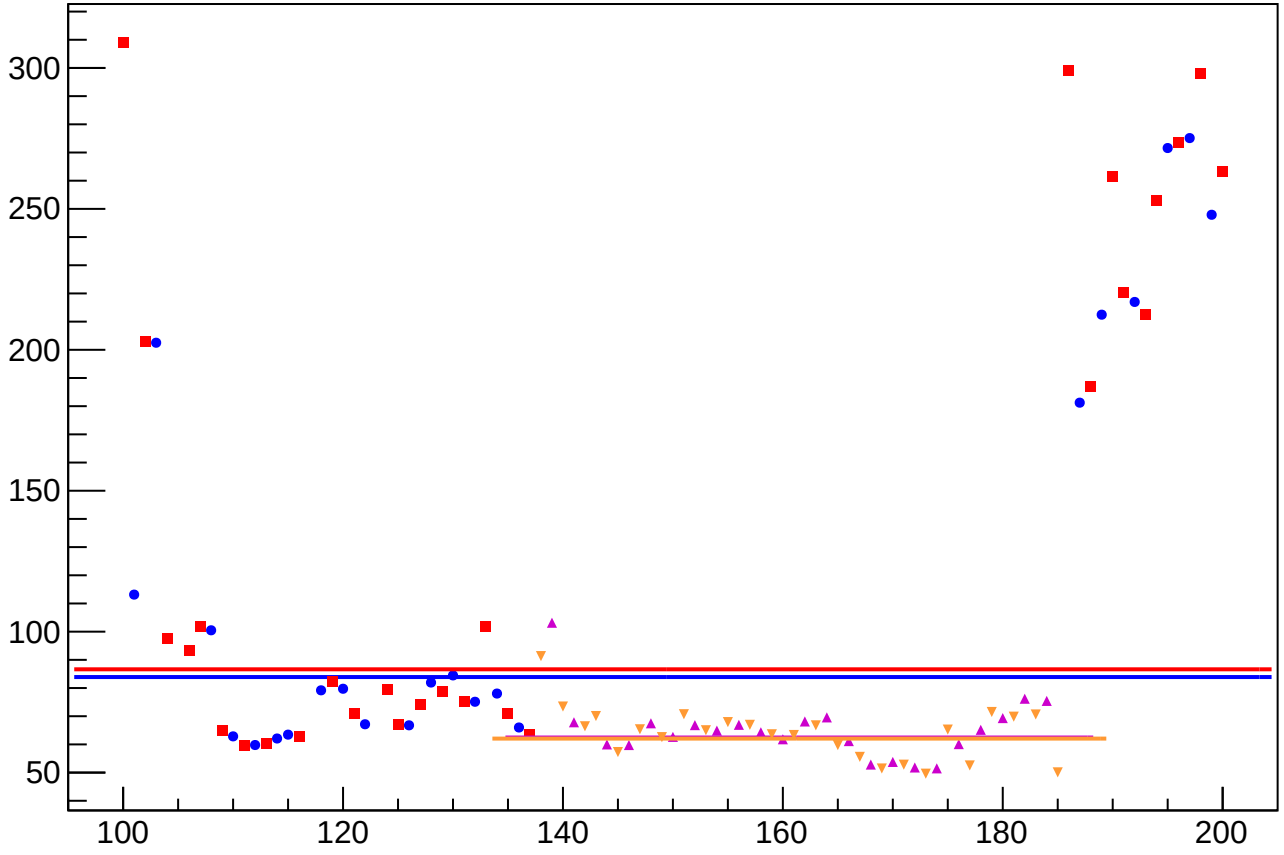
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.273+/-12.758 χ^2/NDF: 78.6/46

All: -3.287+/-9.113 χ^2/NDF: 213.0/97

- sign -65.322+/-13.020 χ^2/NDF: 89.9/50

cor_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

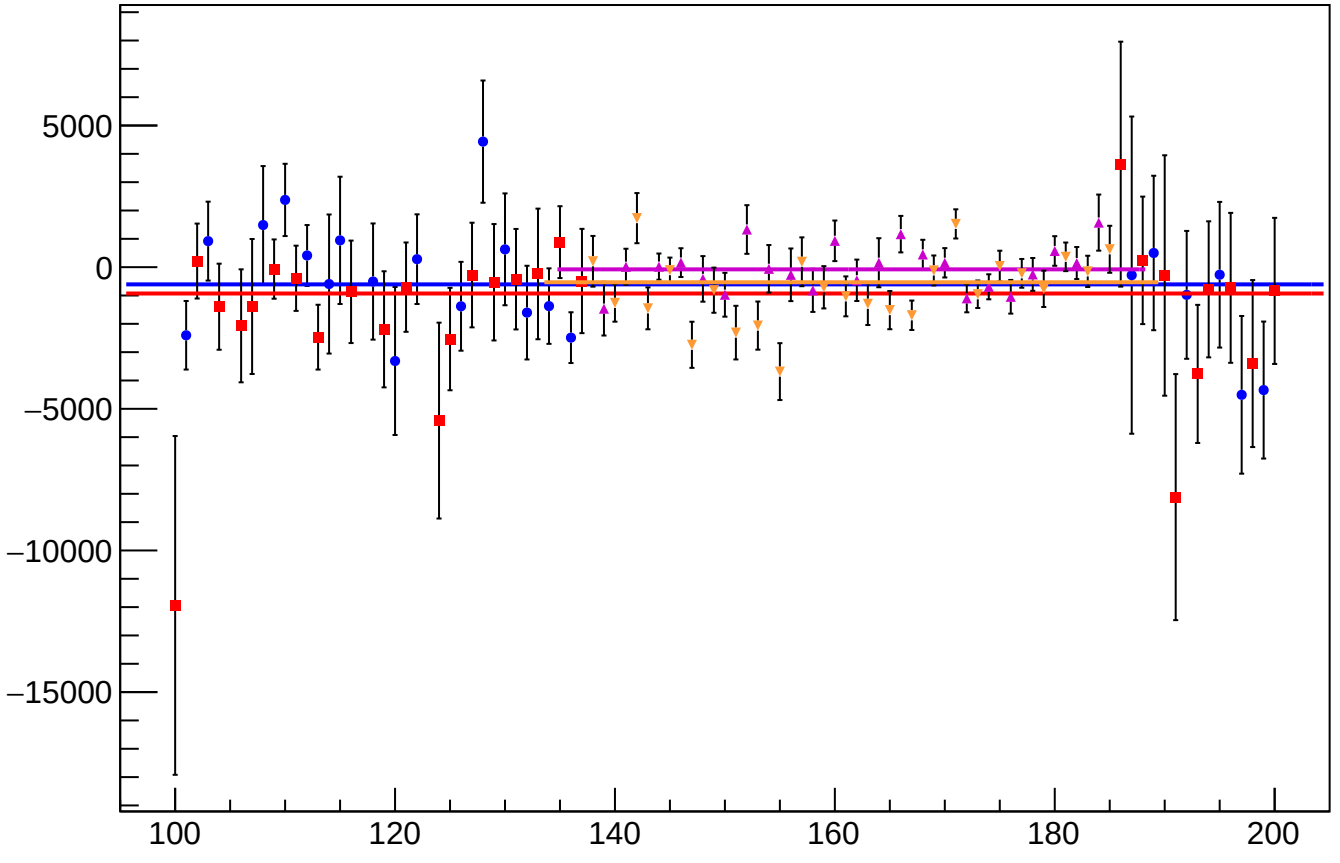
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302594.2/46

All: 67.248+/-0.006 χ^2/NDF: 14648726.7/97

- sign 67.943+/-0.009 χ^2/NDF: 8334935.6/50

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -929.445+/-347.237 χ^2/NDF: 18.8/27

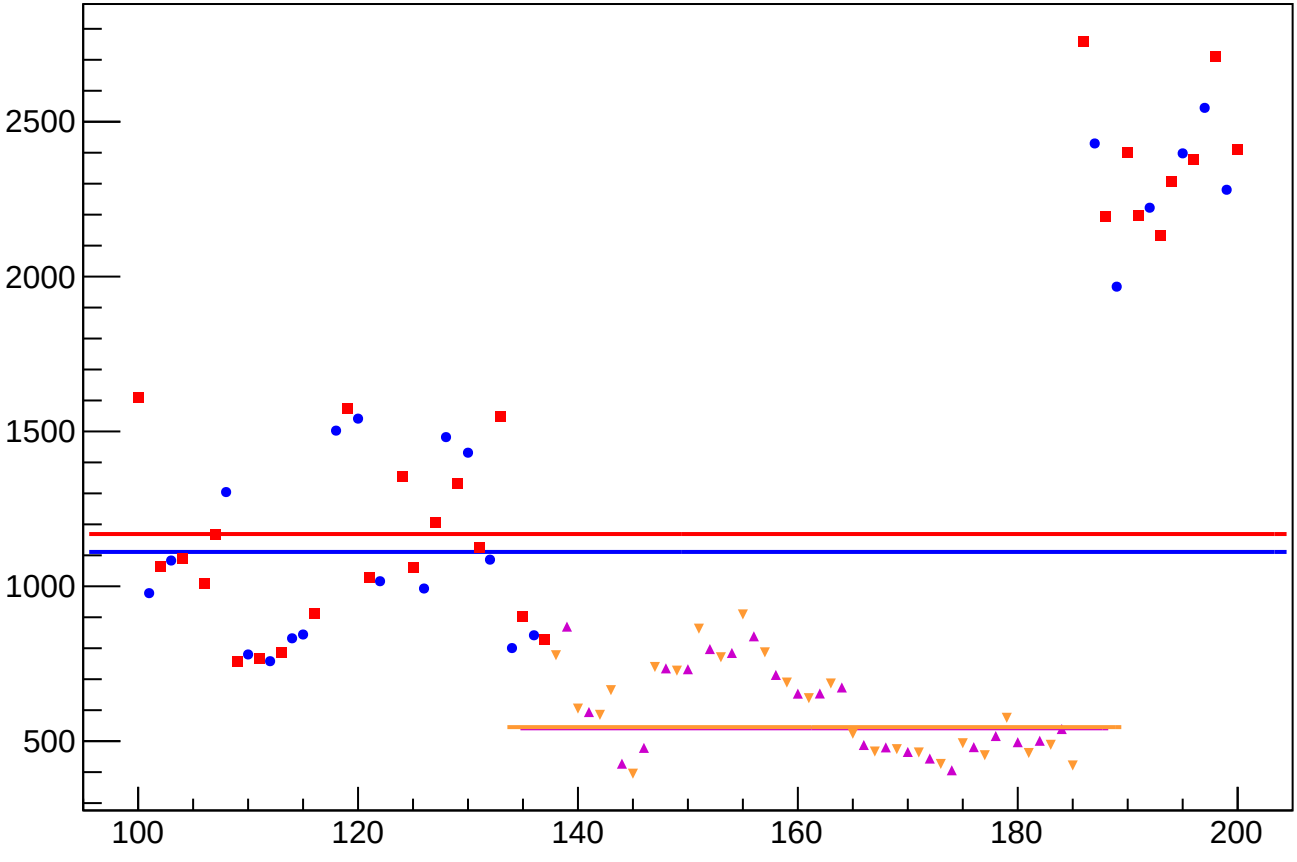
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.360 χ^2/NDF: 97.5/46

All: -364.413+/-85.684 χ^2/NDF: 154.4/97

- sign -182.586+/-122.008 χ^2/NDF: 52.5/50

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

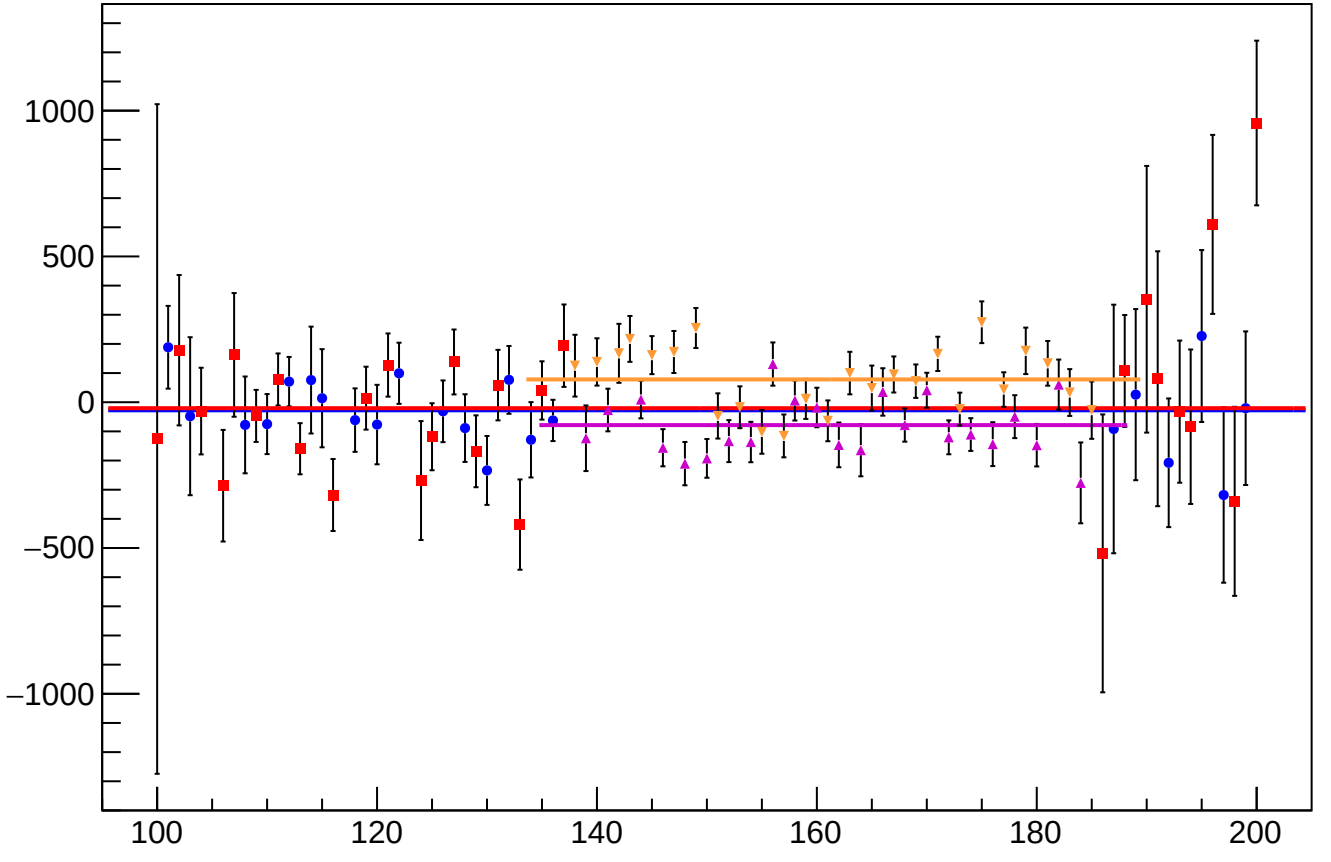
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859313.3/46

All: 614.512+/-0.061 χ^2/NDF: 21771198.9/97

- sign 618.902+/-0.086 χ^2/NDF: 11906774.5/50

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.478+/-27.316 χ^2/NDF: 49.8/27

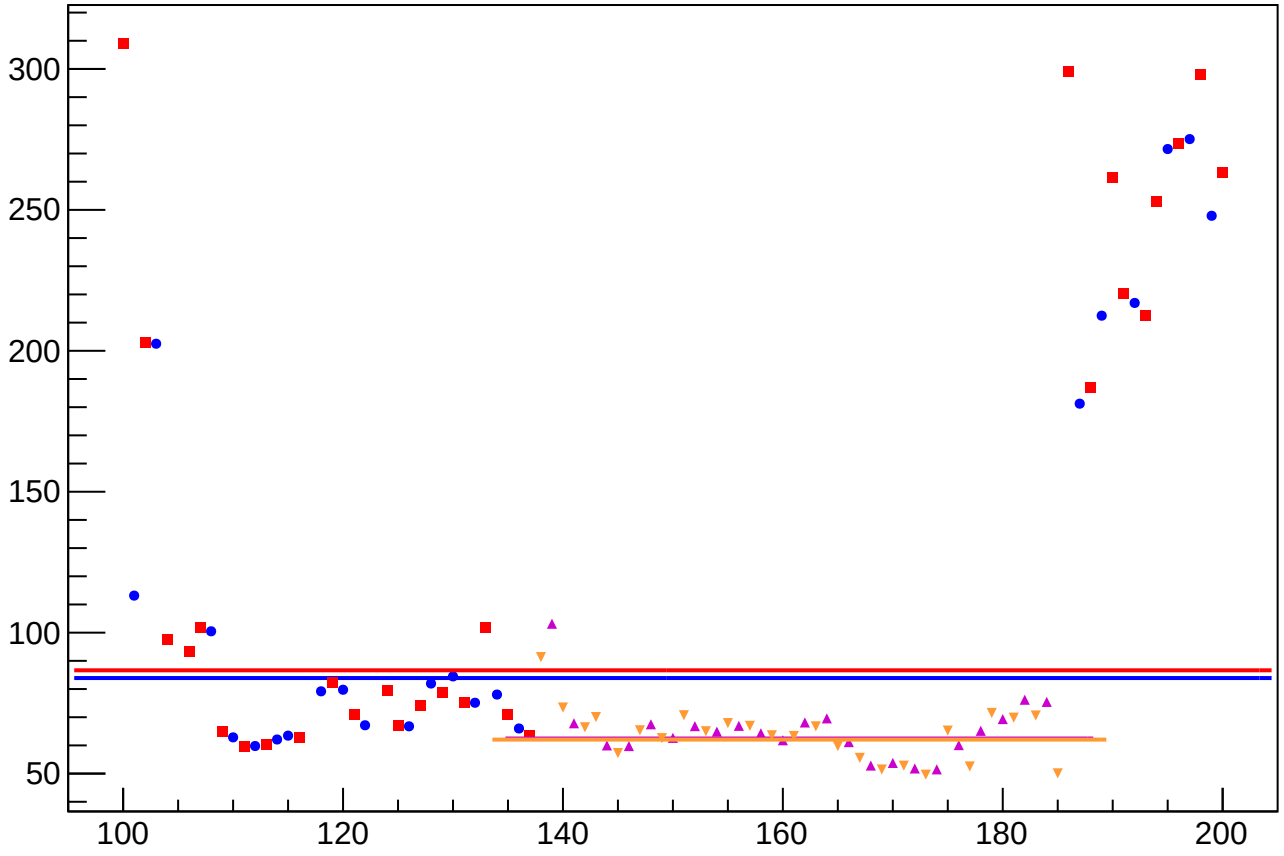
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.273+/-12.758 χ^2/NDF: 78.6/46

All: -3.287+/-9.113 χ^2/NDF: 213.0/97

- sign -65.322+/-13.020 χ^2/NDF: 89.9/50

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

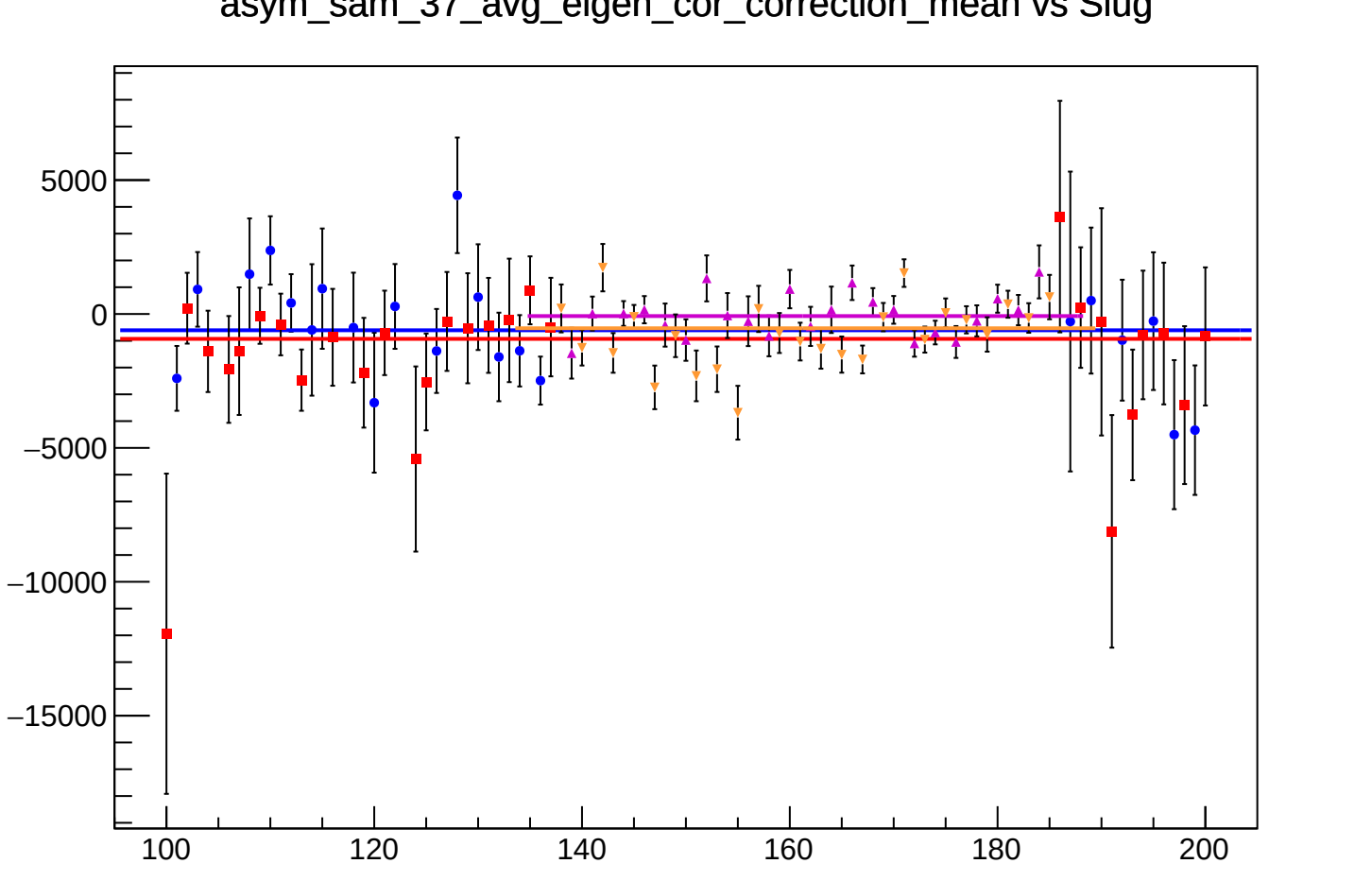
Right Out: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302594.2/46

All: 67.248+/-0.006 χ^2/NDF: 14648726.7/97

- sign 67.943+/-0.009 χ^2/NDF: 8334935.6/50



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

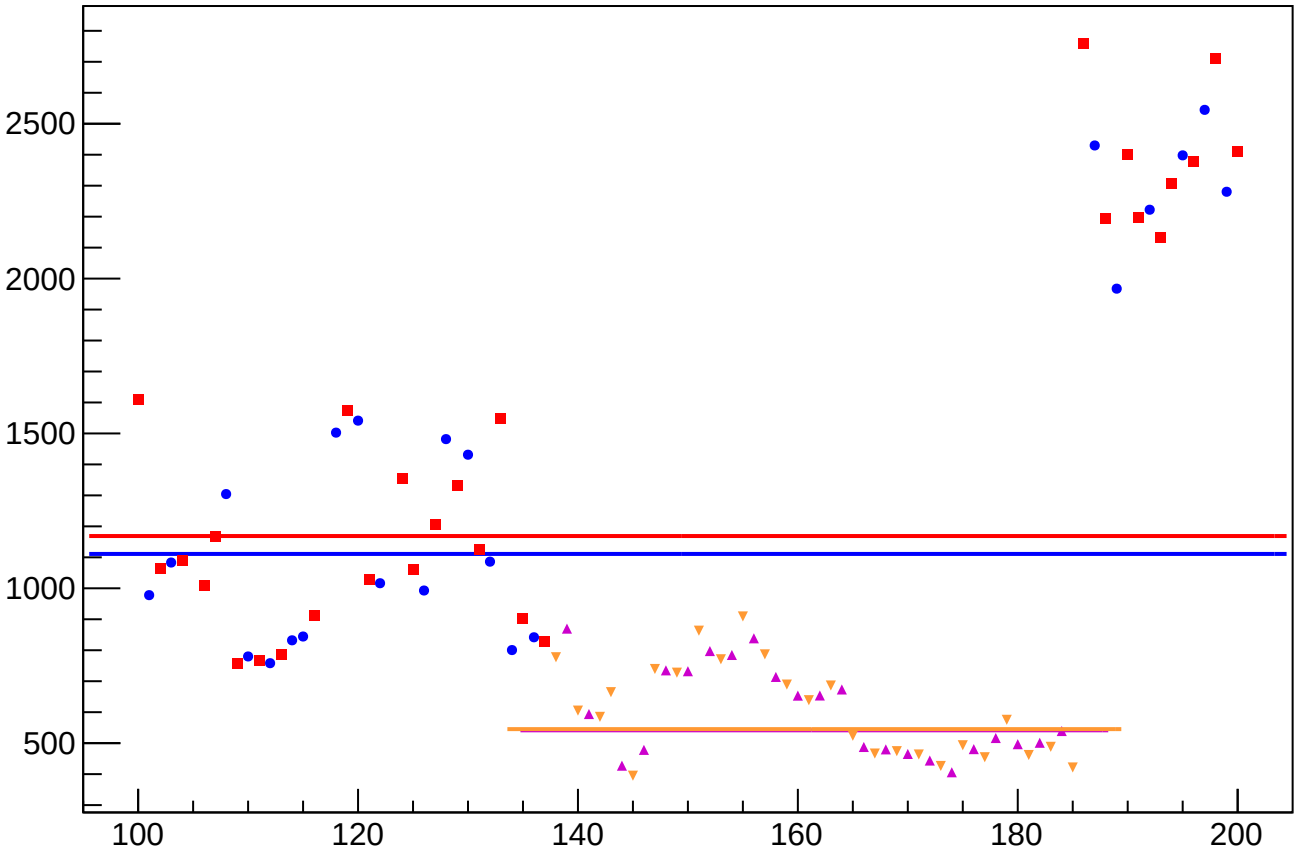
Right Out: -929.445+/-347.237 χ^2/NDF: 18.8/27

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.360 χ^2/NDF: 97.5/46

All: -364.413+/-85.684 χ^2/NDF: 154.4/97

- sign -182.586+/-122.008 χ^2/NDF: 52.5/50



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

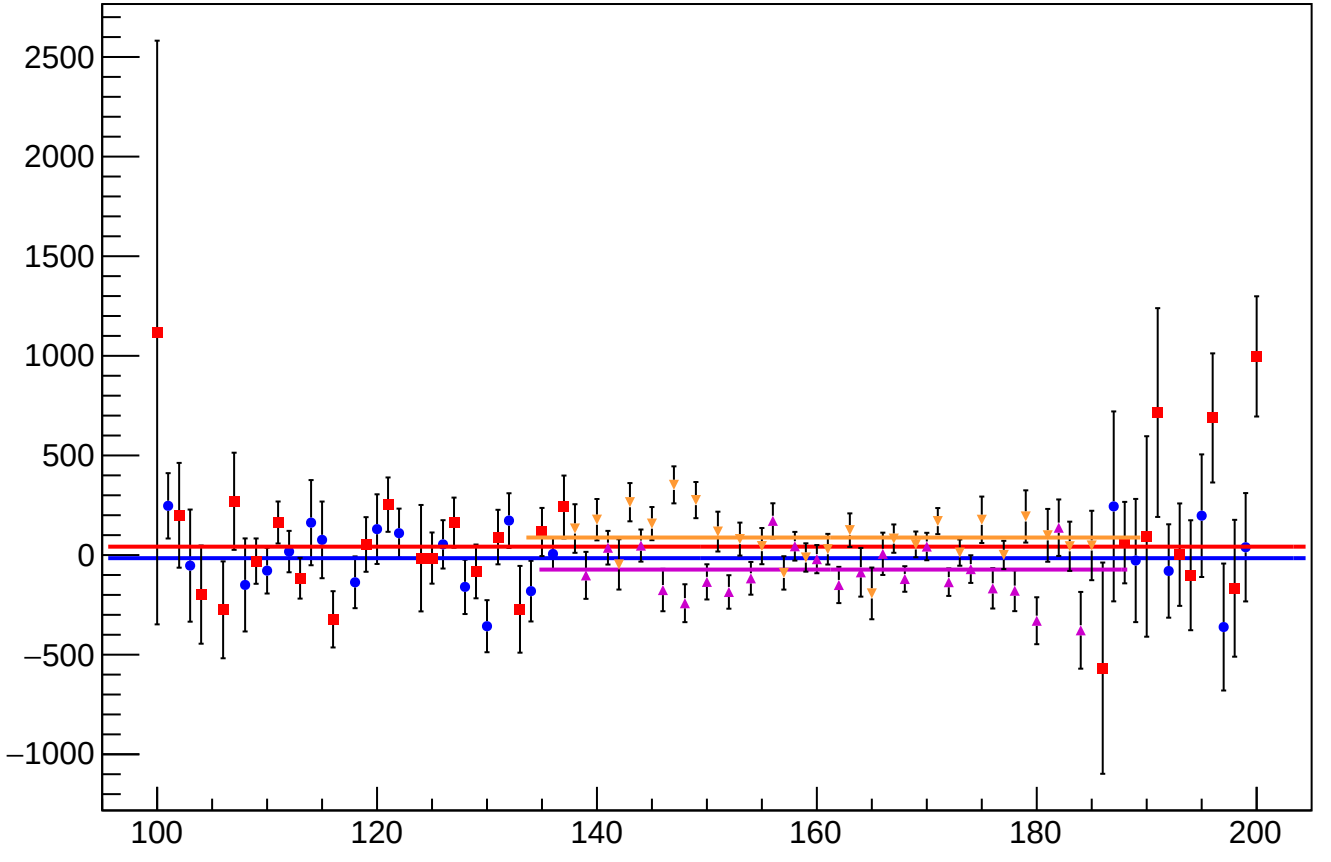
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859313.3/46

All: 614.512+/-0.061 χ^2/NDF: 21771198.9/97

- sign 618.902+/-0.086 χ^2/NDF: 11906774.5/50

dit_asym_sam_37_avg_mean vs Slug



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 42.154+/-32.382 χ^2/NDF: 41.5/27

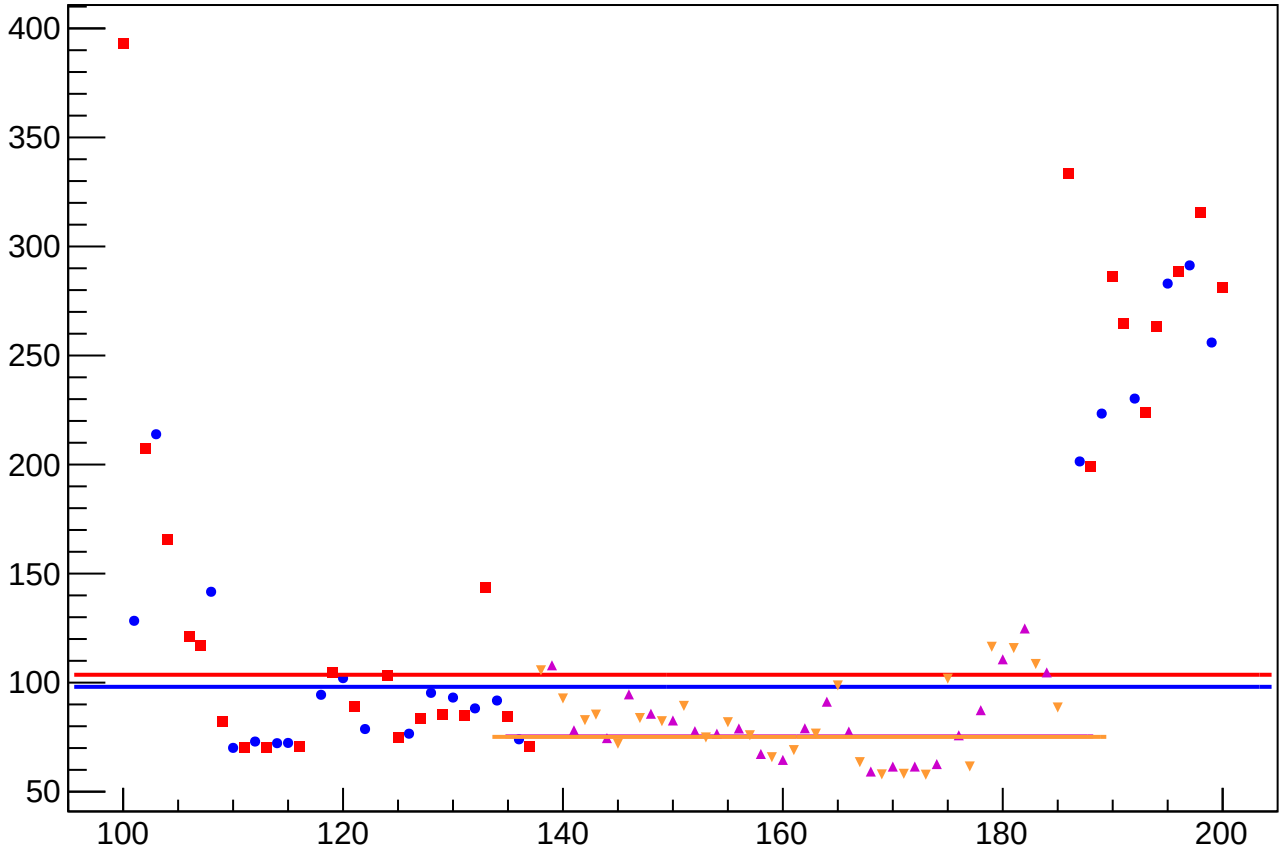
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.287+/-15.579 χ^2/NDF: 65.1/46

All: 10.780+/-11.133 χ^2/NDF: 178.6/97

- sign -45.066+/-15.916 χ^2/NDF: 89.5/50

dit_asym_sam_37_avg_rms vs Slug



Right In: 98.073+/-0.023 χ^2/NDF: 4282382.0/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 103.607+/-0.023 χ^2/NDF: 6046197.3/27

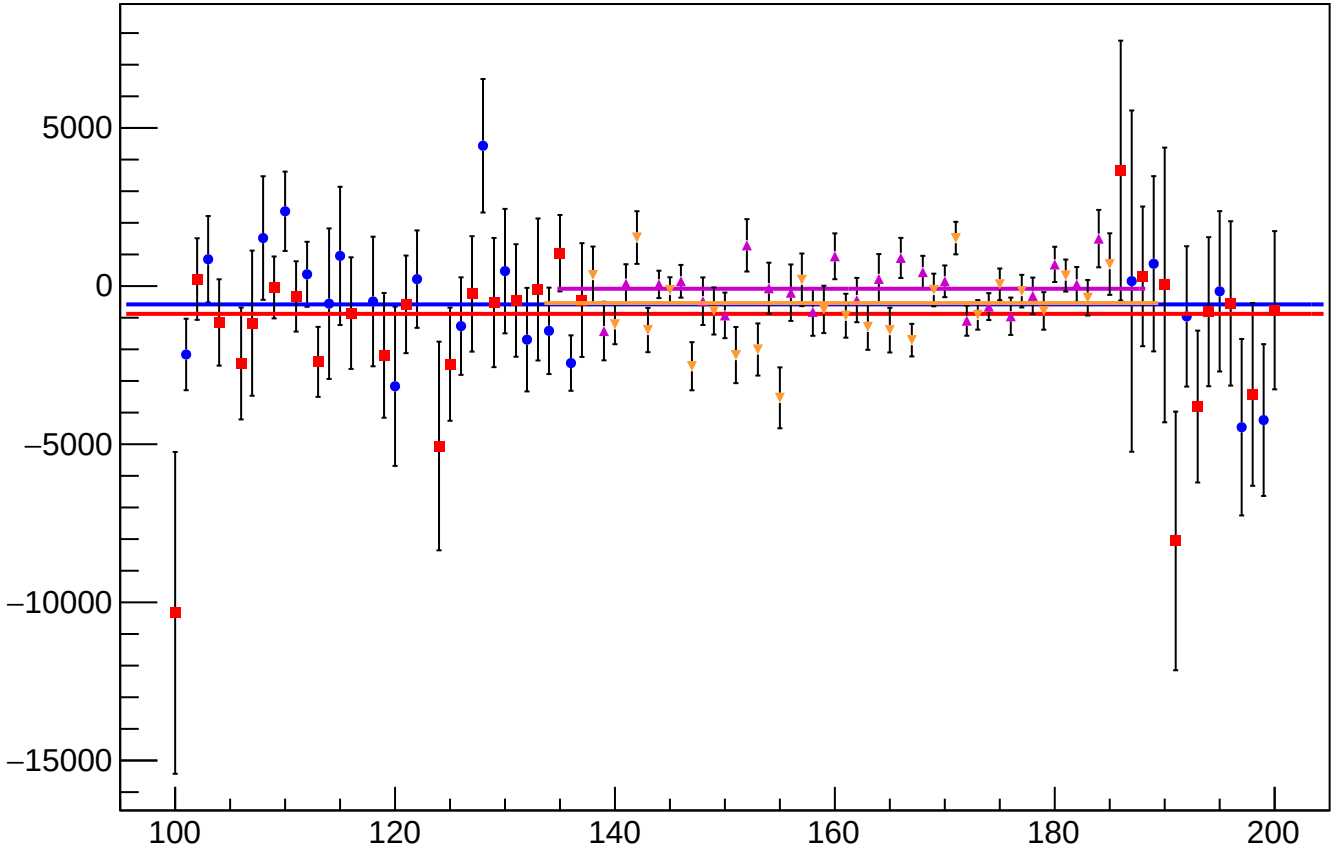
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 80.387+/-0.011 χ^2/NDF: 6650289.6/46

All: 81.267+/-0.008 χ^2/NDF: 15088850.2/97

- sign 82.186+/-0.011 χ^2/NDF: 8425504.9/50

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -578.874+/-346.965 χ^2/NDF: 28.4/21

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -878.402+/-333.953 χ^2/NDF: 20.6/27

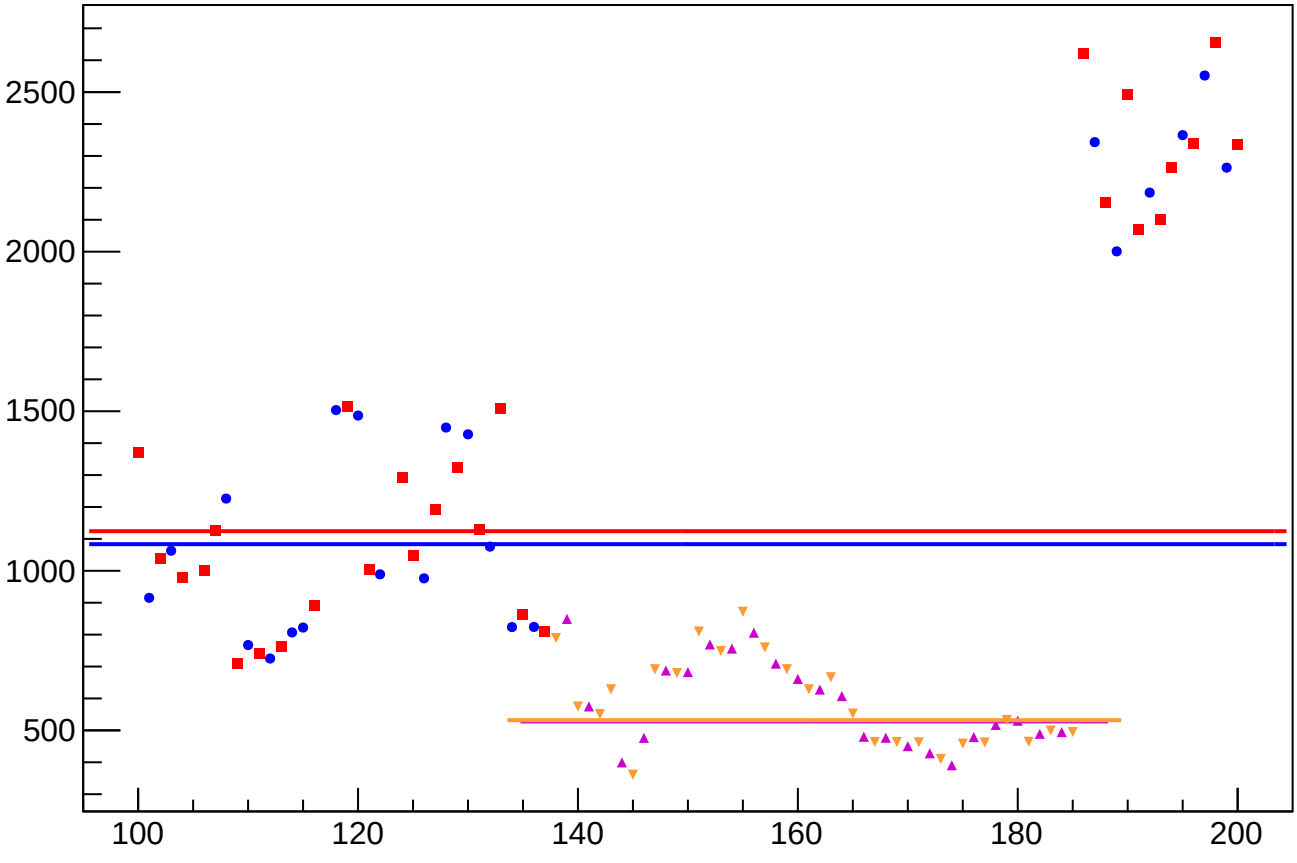
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.588+/-117.160 χ^2/NDF: 95.5/46

All: -365.684+/-83.397 χ^2/NDF: 153.0/97

- sign -185.011+/-118.738 χ^2/NDF: 53.0/50

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1083.479+/-0.245 χ^2/NDF: 3372985.1/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1124.151+/-0.236 χ^2/NDF: 4499423.8/27

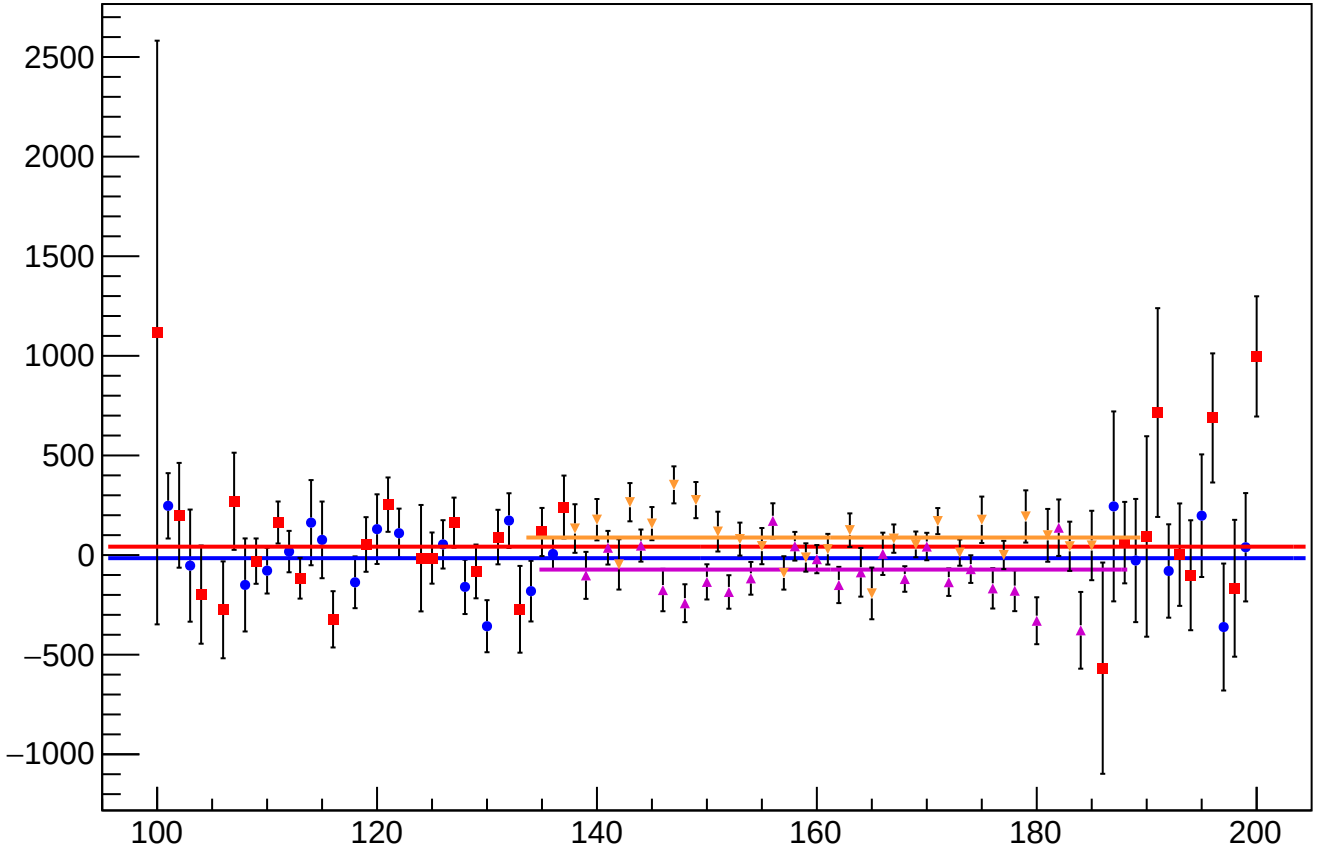
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 594.768+/-0.083 χ^2/NDF: 9889312.3/46

All: 599.002+/-0.059 χ^2/NDF: 21762441.4/97

- sign 603.352+/-0.084 χ^2/NDF: 11867832.8/50

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

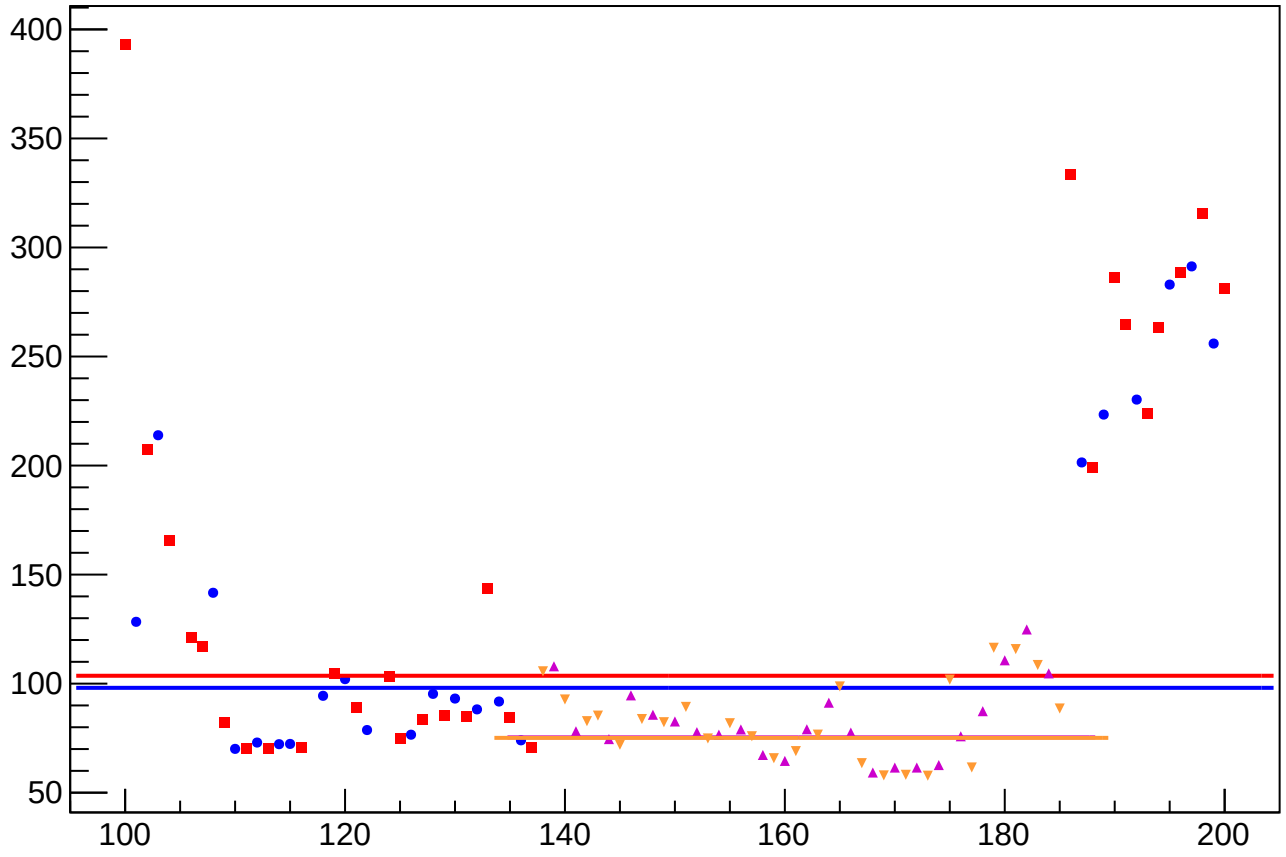
Right Out: 42.157+/-32.382 χ^2/NDF: 41.5/27

Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.288+/-15.579 χ^2/NDF: 65.0/46

All: 10.781+/-11.133 χ^2/NDF: 178.6/97

- sign -45.065+/-15.916 χ^2/NDF: 89.5/50



Right In: 98.073+/-0.023 χ^2/NDF: 4282359.5/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

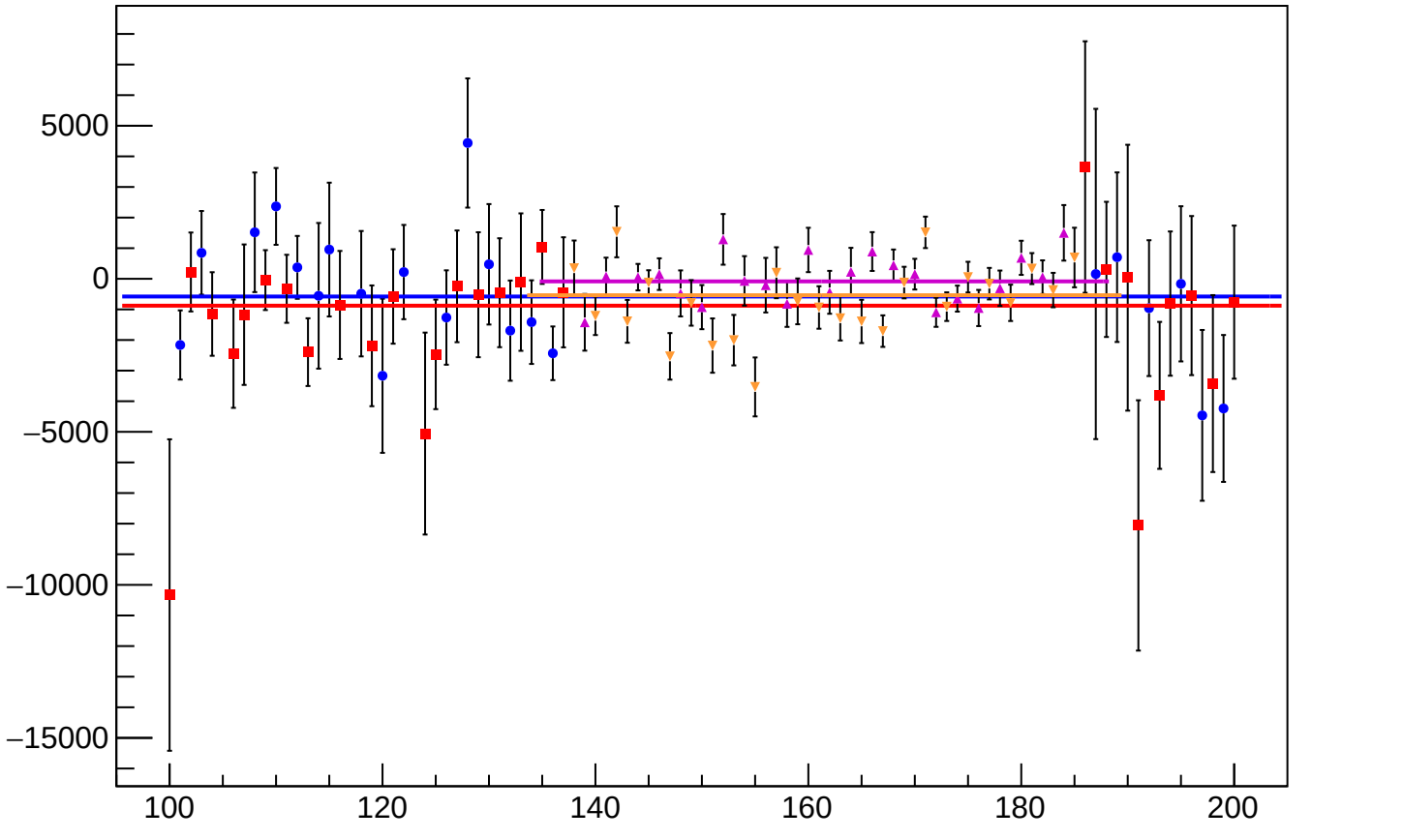
Right Out: 103.608+/-0.023 χ^2/NDF: 6046173.6/27

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 80.387+/-0.011 χ^2/NDF: 6650274.3/46

All: 81.268+/-0.008 χ^2/NDF: 15088829.3/97

- sign 82.187+/-0.011 χ^2/NDF: 8425499.5/50



Right In: -578.872+/-346.965 χ^2/NDF: 28.4/21

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

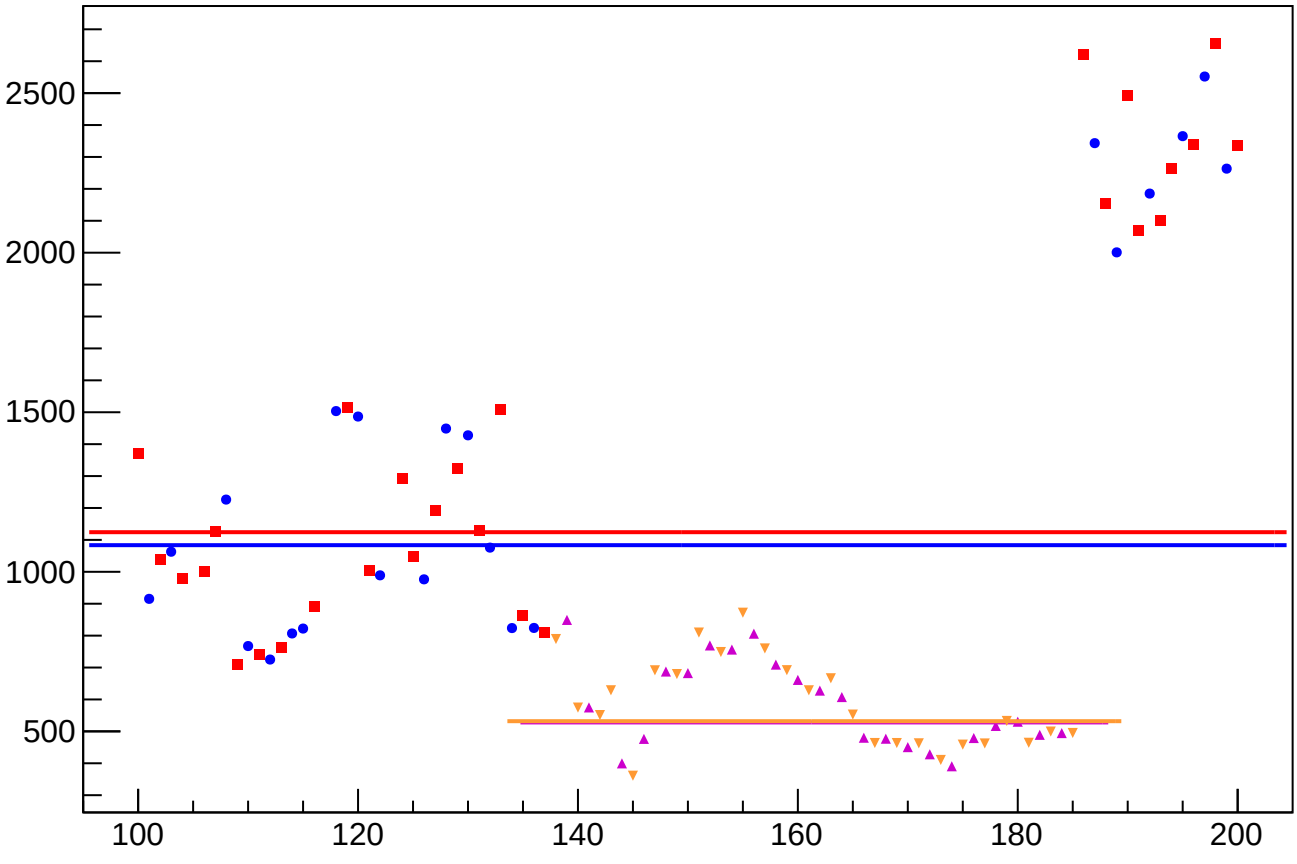
Right Out: -878.401+/-333.953 χ^2/NDF: 20.6/27

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.588+/-117.160 χ^2/NDF: 95.5/46

All: -365.684+/-83.397 χ^2/NDF: 153.0/97

- sign -185.010+/-118.738 χ^2/NDF: 53.0/50



Right In: 1083.477+/-0.245 χ^2/NDF: 3372990.8/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1124.149+/-0.236 χ^2/NDF: 4499429.8/27

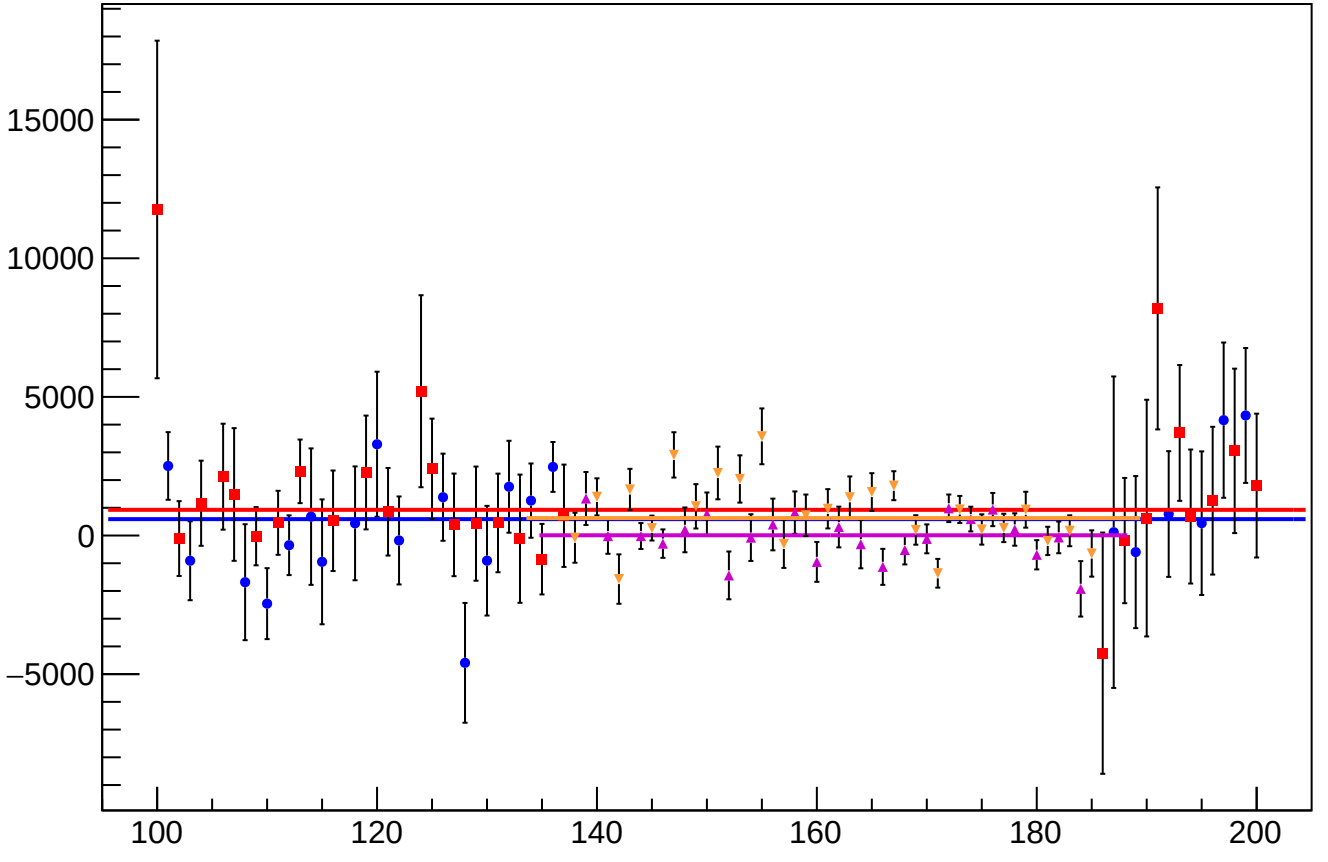
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 594.767+/-0.083 χ^2/NDF: 9889298.7/46

All: 599.002+/-0.059 χ^2/NDF: 21762409.9/97

- sign 603.351+/-0.084 χ^2/NDF: 11867814.8/50

asym_sam_37_avg_mean vs Slug



Right In: 591.029+/-357.020 χ^2/NDF: 28.9/21

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 926.496+/-348.434 χ^2/NDF: 18.1/27

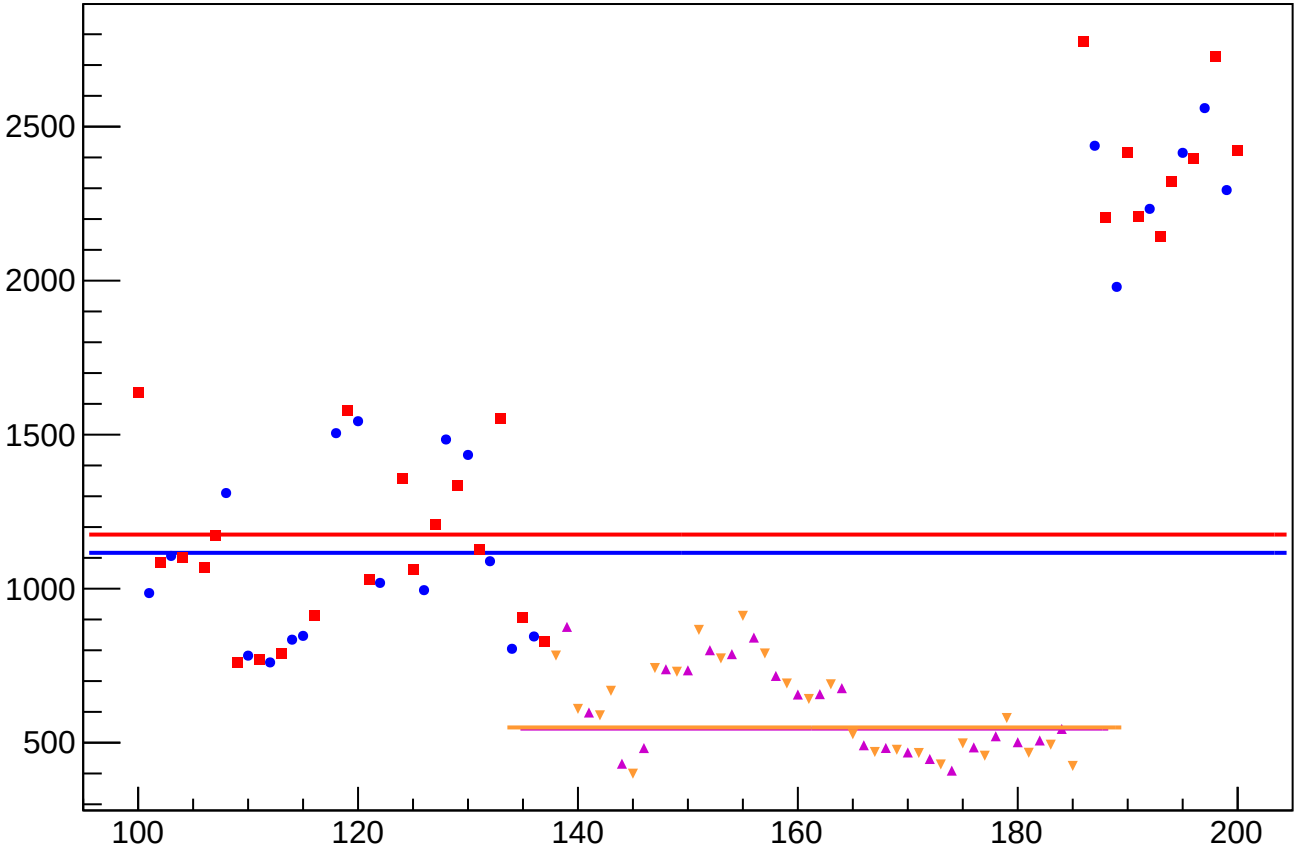
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 624.959+/-121.201 χ^2/NDF: 93.8/46

All: 377.186+/-86.282 χ^2/NDF: 153.8/97

- sign 122.596+/-122.857 χ^2/NDF: 51.5/50

asym_sam_37_avg_rms vs Slug



Right In: 1116.383+/-0.252 χ^2/NDF: 3291979.2/21

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

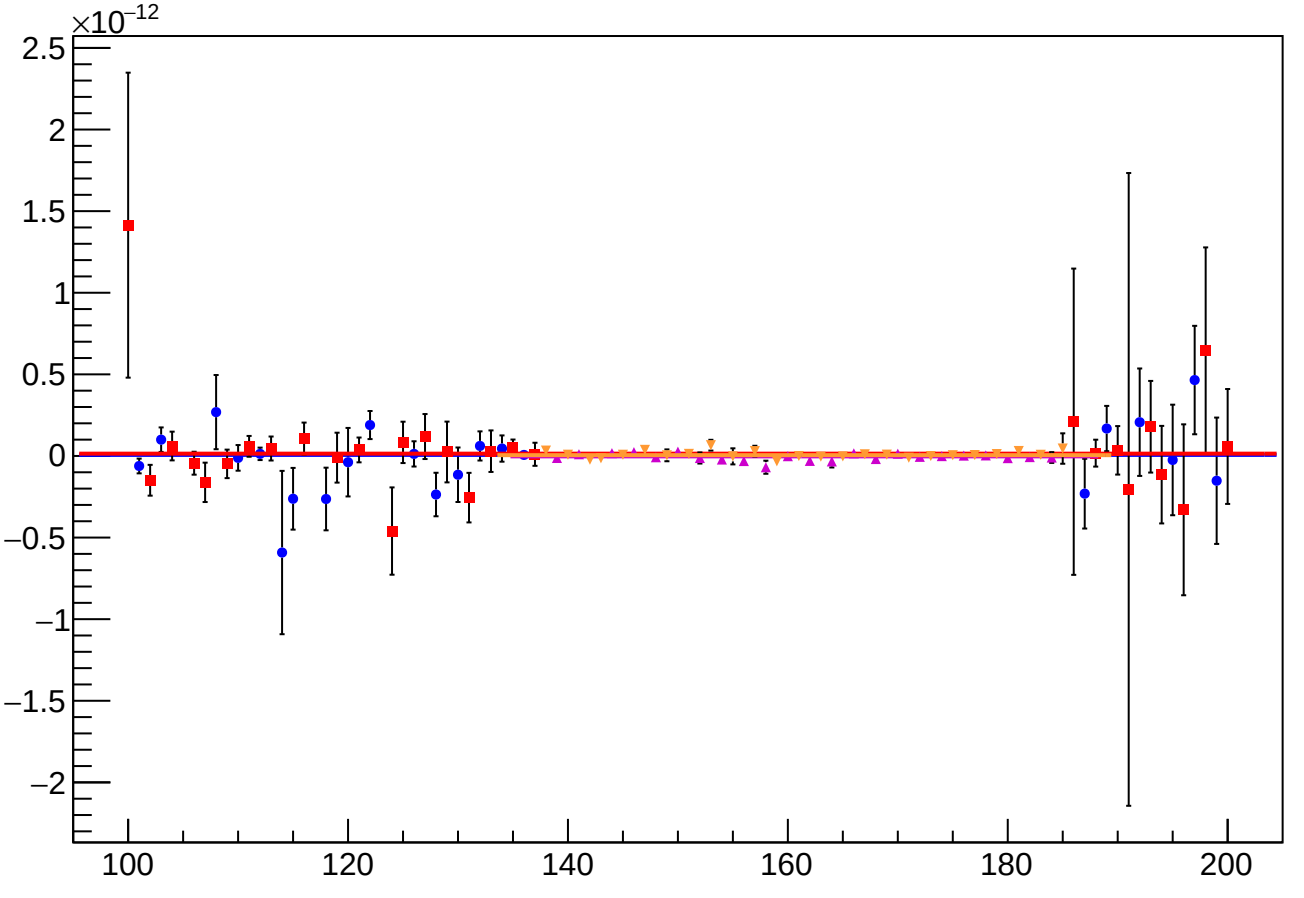
Right Out: 1175.650+/-0.246 χ^2/NDF: 4348937.0/27

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

\+ sign 614.809+/-0.086 χ^2/NDF: 9807506.6/46

All: 619.355+/-0.061 χ^2/NDF: 21701106.1/97

\- sign 624.026+/-0.087 χ^2/NDF: 11887894.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

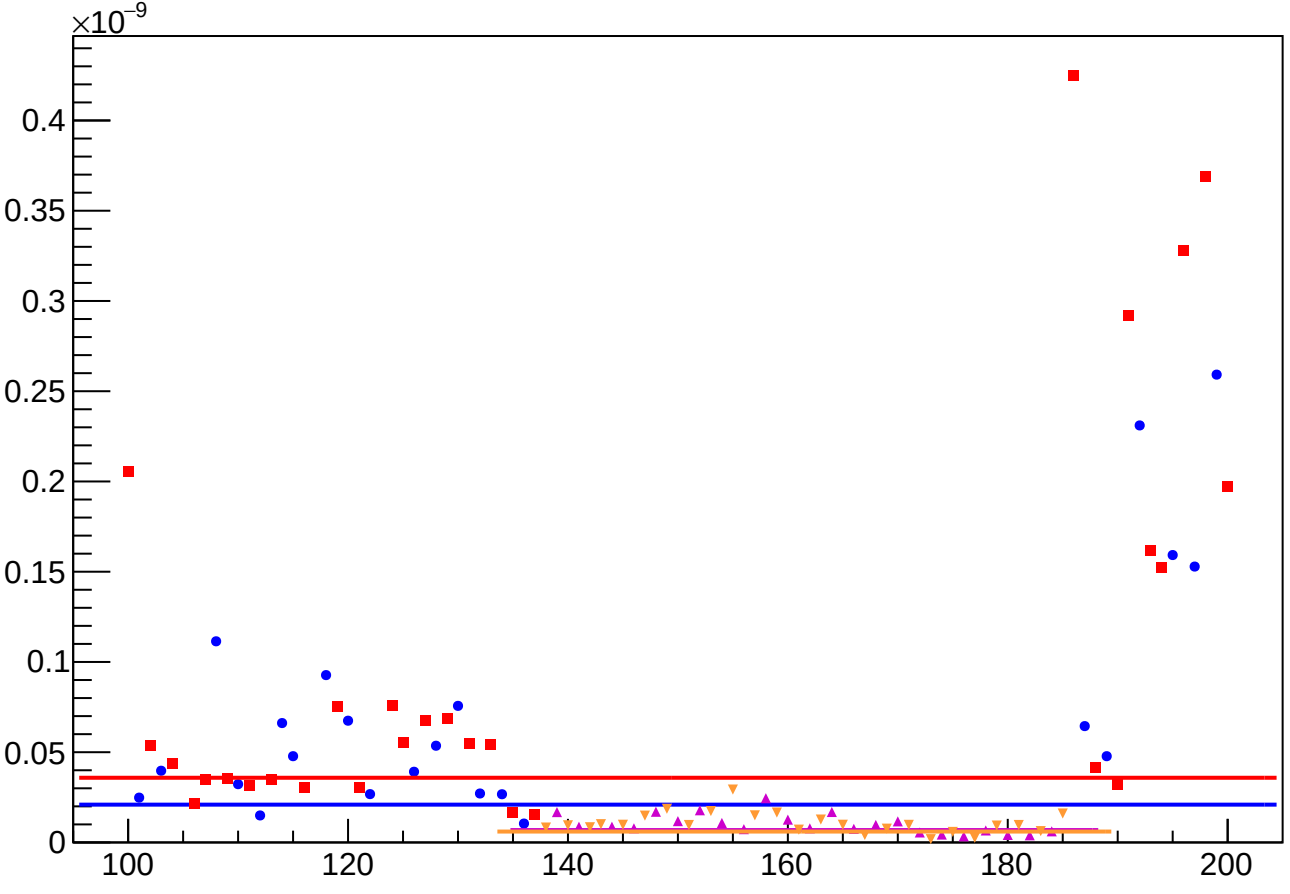
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/27

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/46

All: 0.000+/-0.000 χ^2/NDF: 84.0/97

- sign -0.000+/-0.000 χ^2/NDF: 41.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4385651.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3924682.4/27

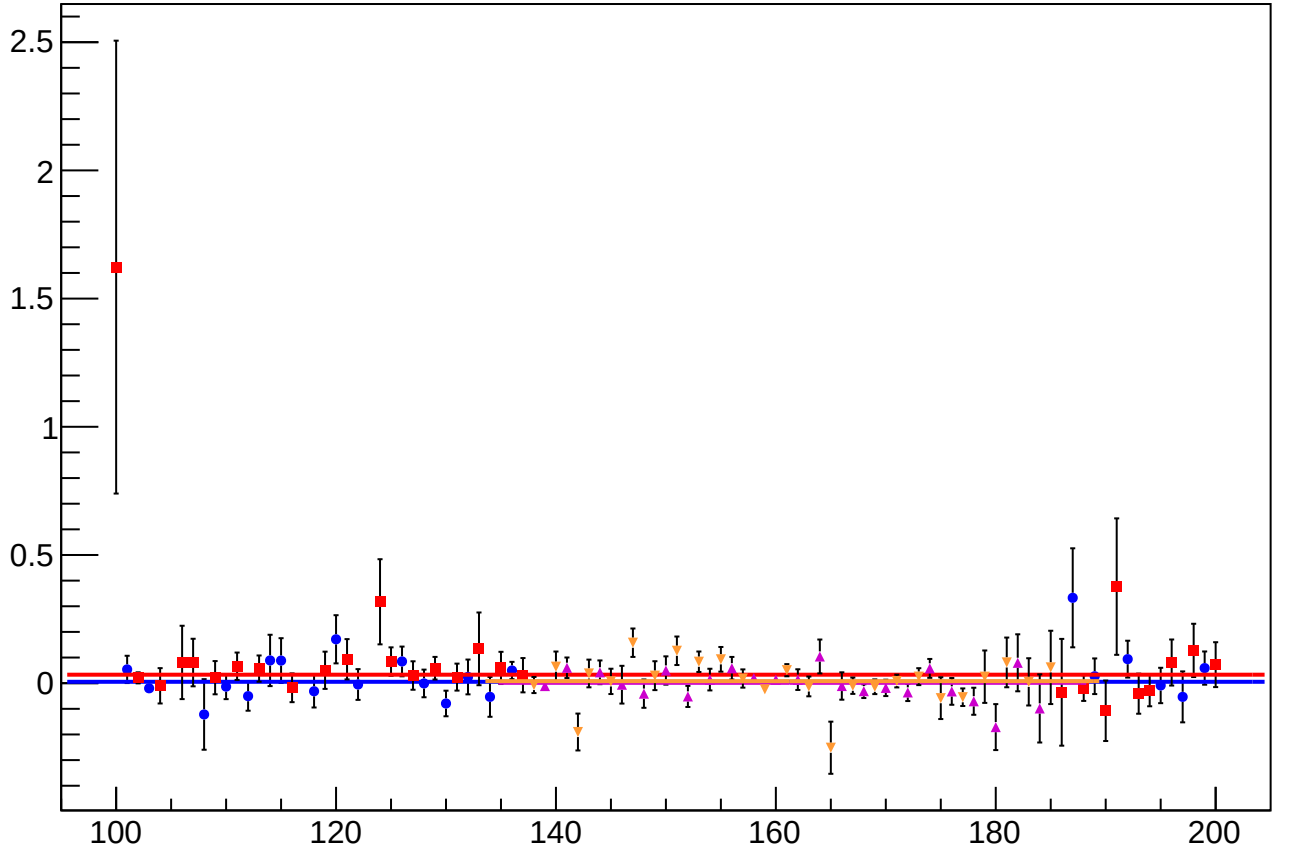
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10093279.2/46

All: 0.000+/-0.000 χ^2/NDF: 20705942.9/97

- sign 0.000+/-0.000 χ^2/NDF: 10516219.9/50

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.033+/-0.012 χ^2/NDF: 18.7/27

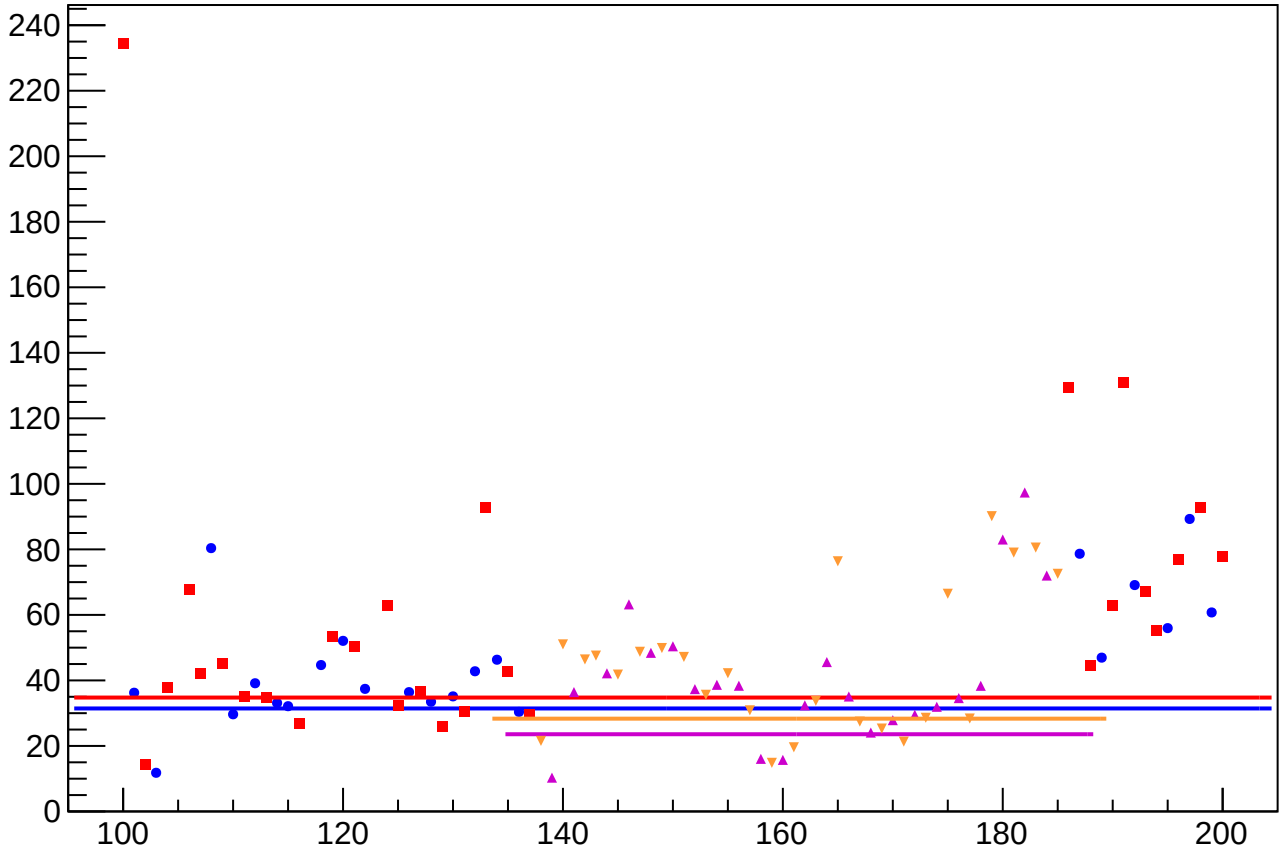
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 119.4/97

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

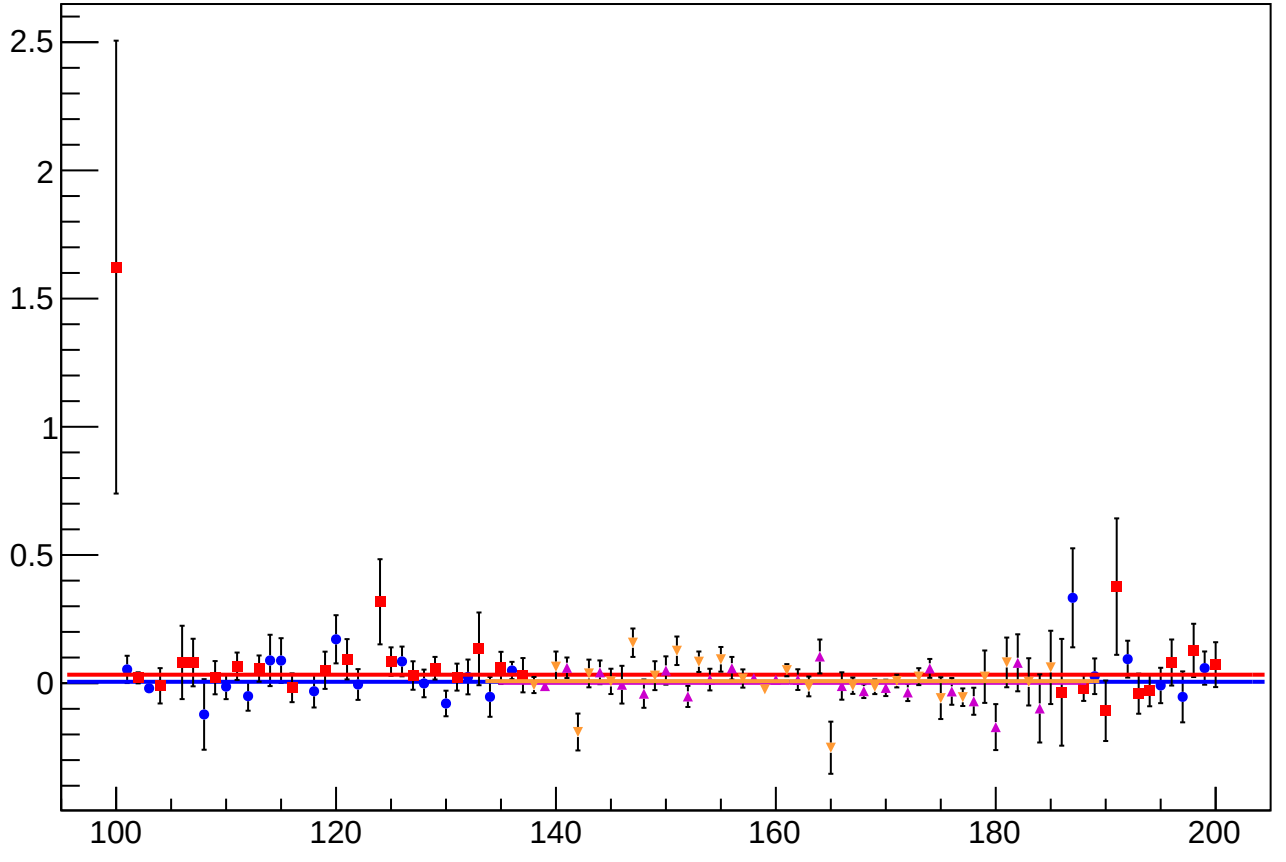
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.295+/-0.004 χ^2/NDF: 11675337.7/46

All: 27.784+/-0.003 χ^2/NDF: 27399297.0/97

- sign 26.470+/-0.004 χ^2/NDF: 15507905.2/50

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.033+/-0.012 χ^2/NDF: 18.7/27

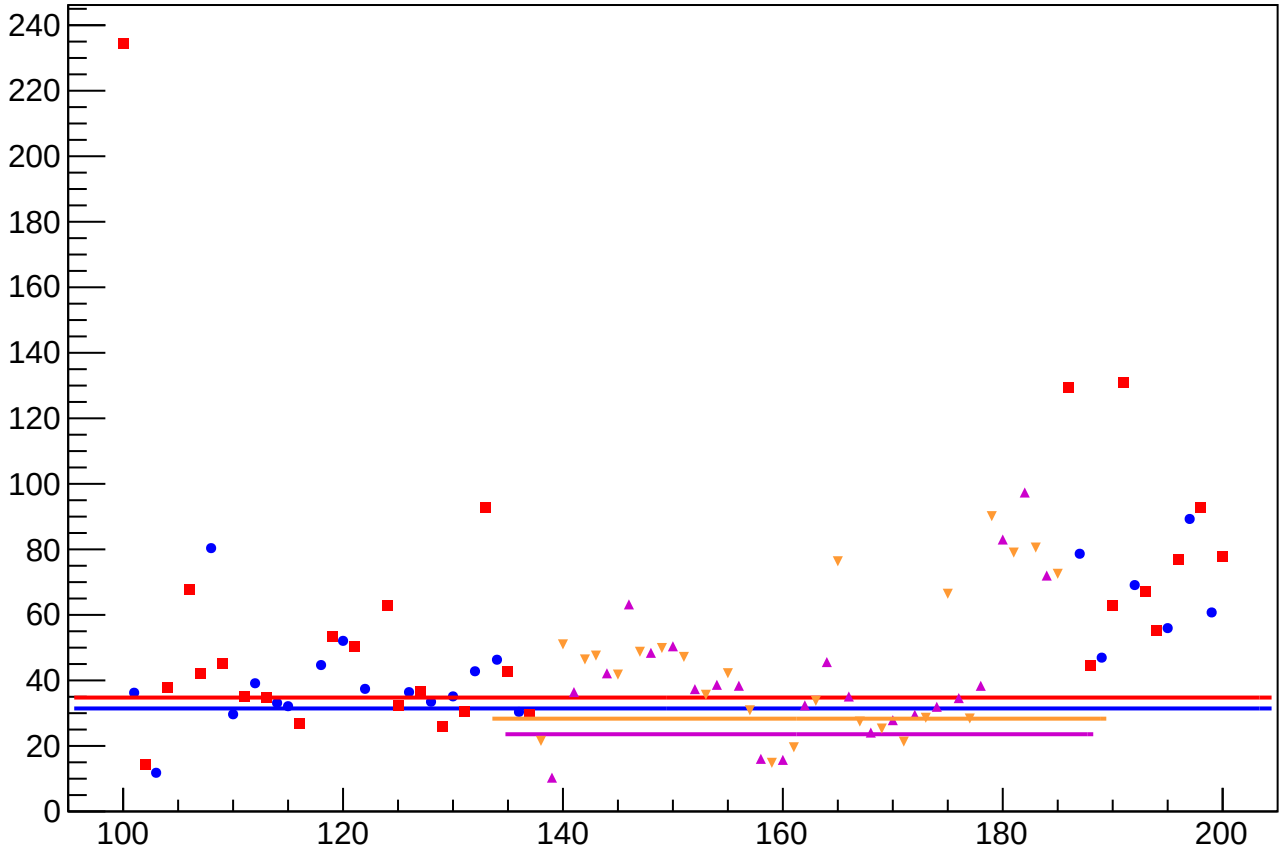
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 119.4/97

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

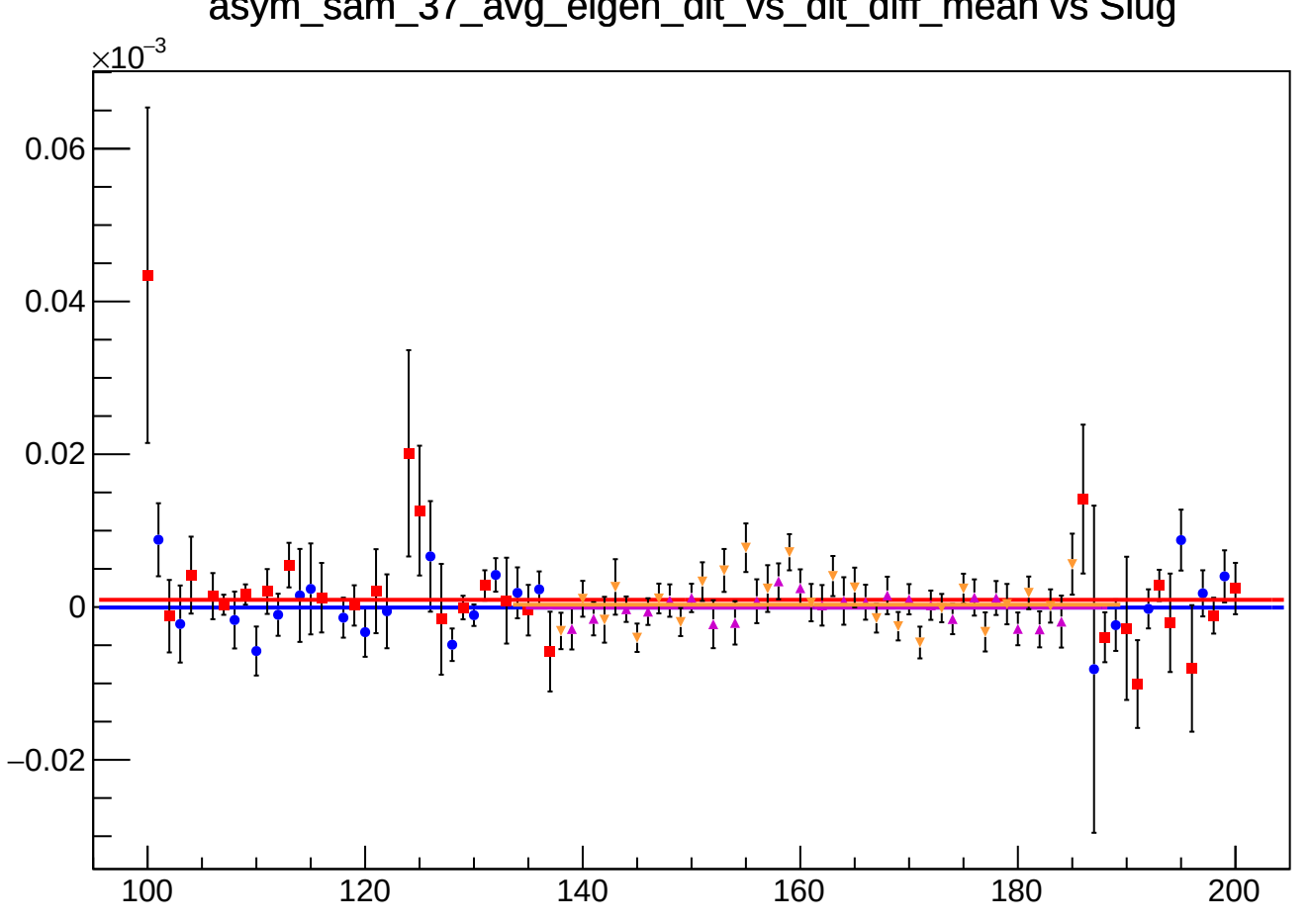
Right Out: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.295+/-0.004 χ^2/NDF: 11675337.7/46

All: 27.784+/-0.003 χ^2/NDF: 27399297.0/97

- sign 26.470+/-0.004 χ^2/NDF: 15507905.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

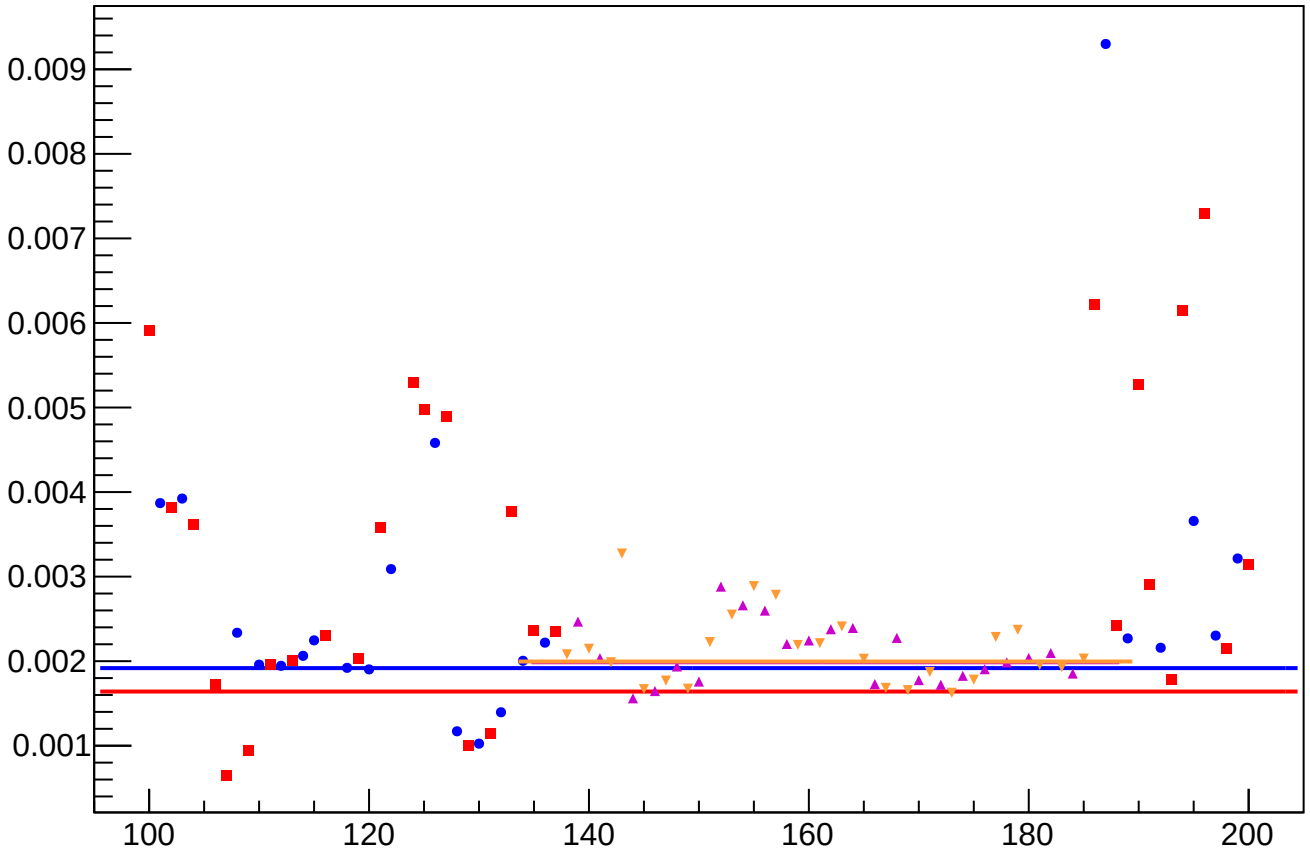
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/27

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.6/46

All: 0.000+/-0.000 χ^2/NDF: 113.7/97

- sign 0.000+/-0.000 χ^2/NDF: 40.1/50



Right In: 0.002+/-0.000 χ^2/NDF: 3250628.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8012334.7/27

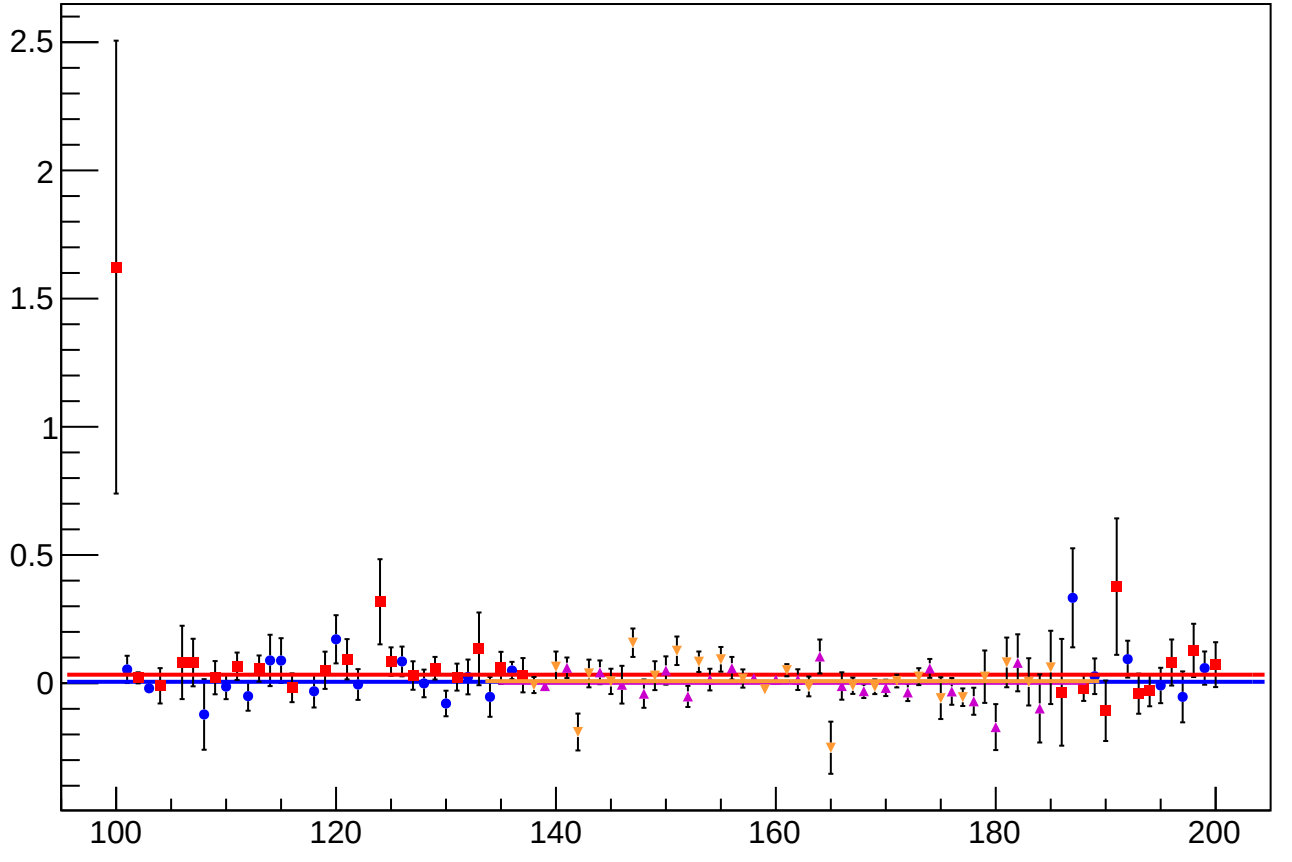
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4443507.5/46

All: 0.002+/-0.000 χ^2/NDF: 13968659.4/97

- sign 0.002+/-0.000 χ^2/NDF: 9397838.9/50

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.033+/-0.012 χ^2/NDF: 18.7/27

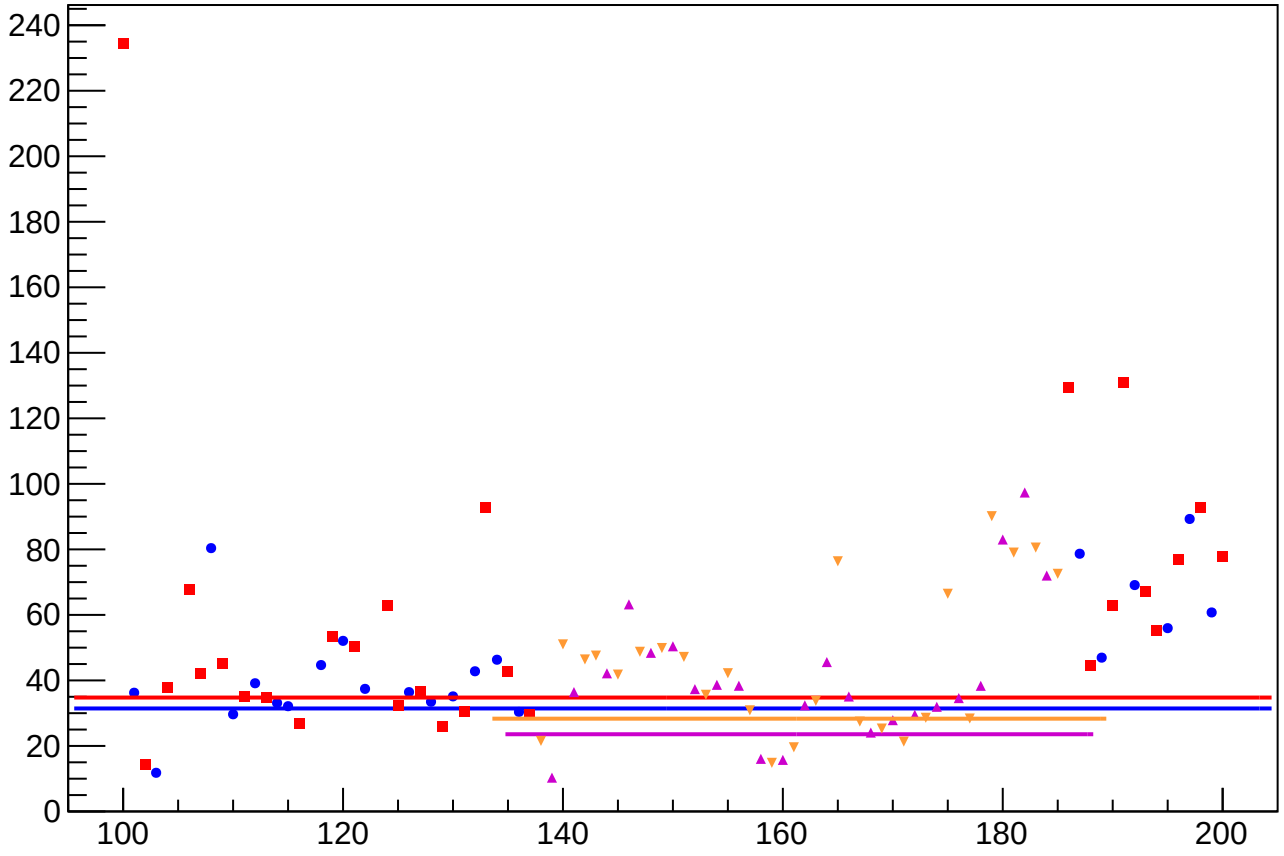
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 119.4/97

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

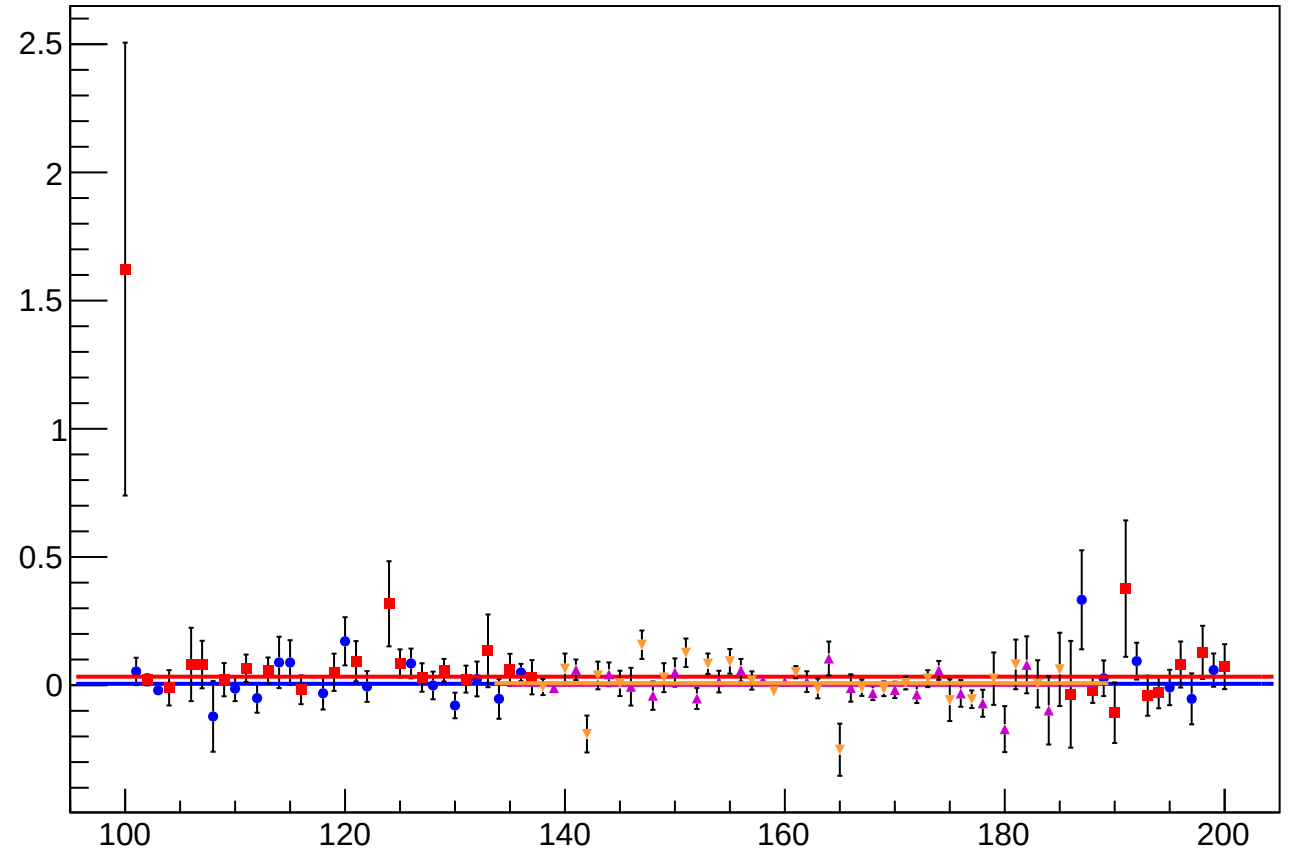
Right Out: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.295+/-0.004 χ^2/NDF: 11676086.5/46

All: 27.783+/-0.003 χ^2/NDF: 27400960.2/97

- sign 26.470+/-0.004 χ^2/NDF: 15508823.2/50



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.033+/-0.012 χ^2/NDF: 18.7/27

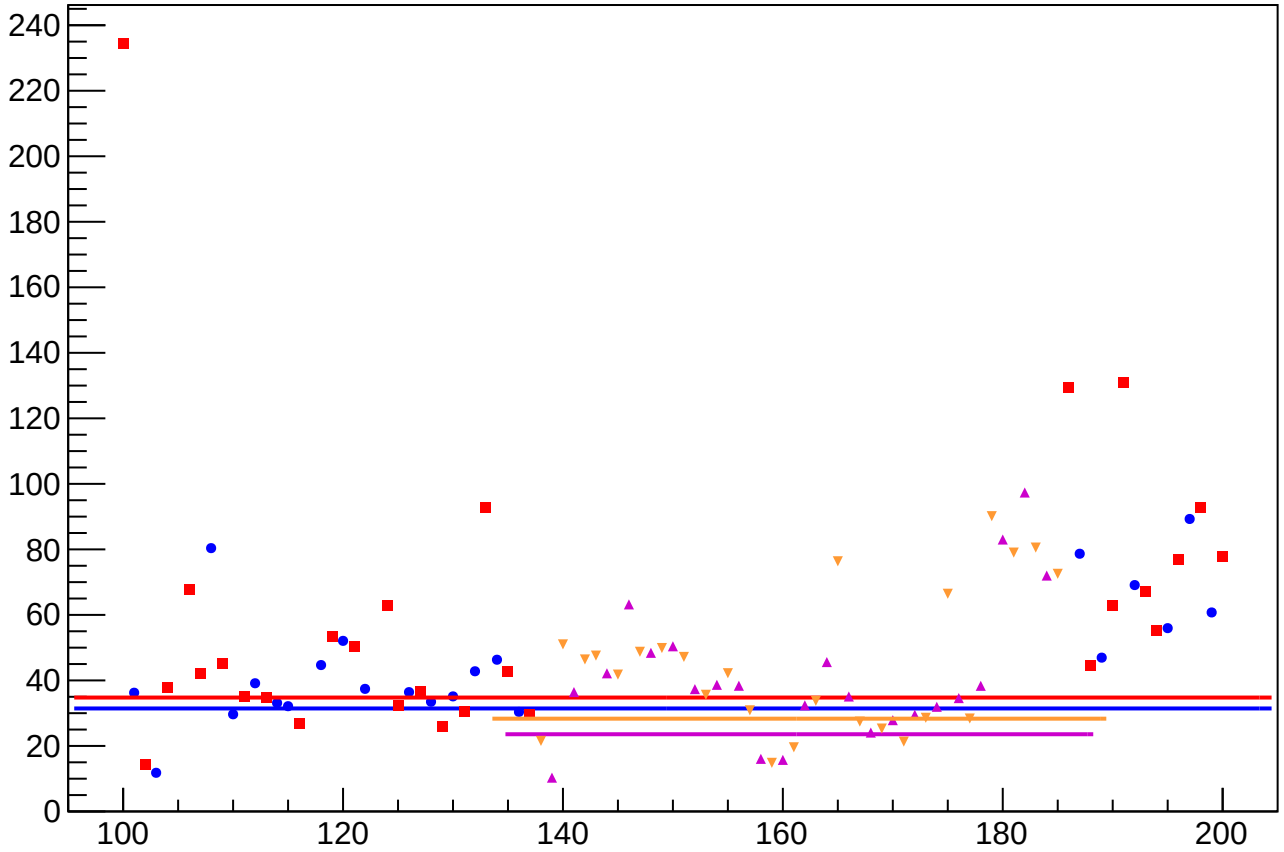
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 119.4/97

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

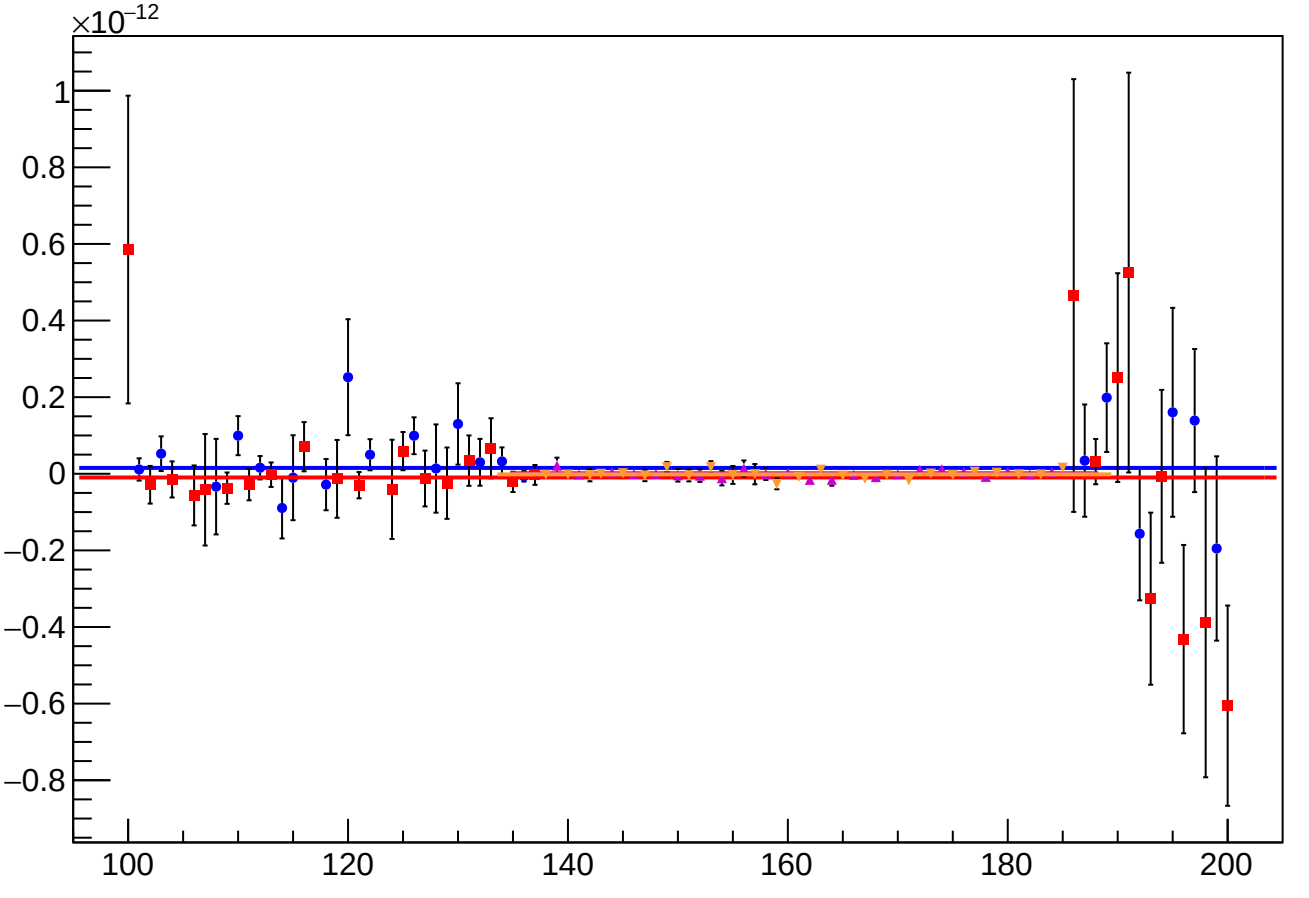
Right Out: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.295+/-0.004 χ^2/NDF: 11676086.5/46

All: 27.783+/-0.003 χ^2/NDF: 27400960.2/97

- sign 26.470+/-0.004 χ^2/NDF: 15508823.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

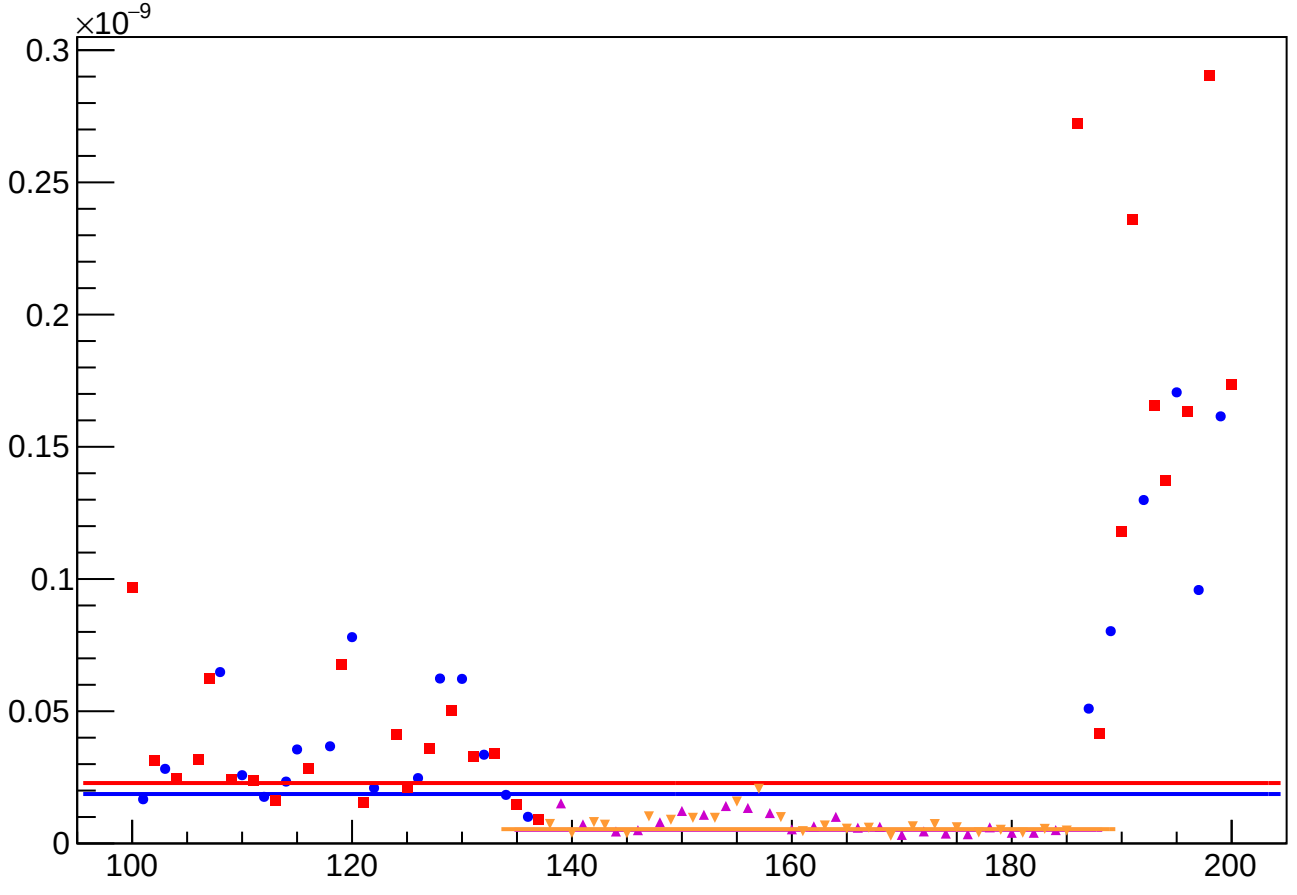
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/27

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/46

All: 0.000+/-0.000 χ^2/NDF: 81.6/97

- sign 0.000+/-0.000 χ^2/NDF: 40.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5442186.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6705413.6/27

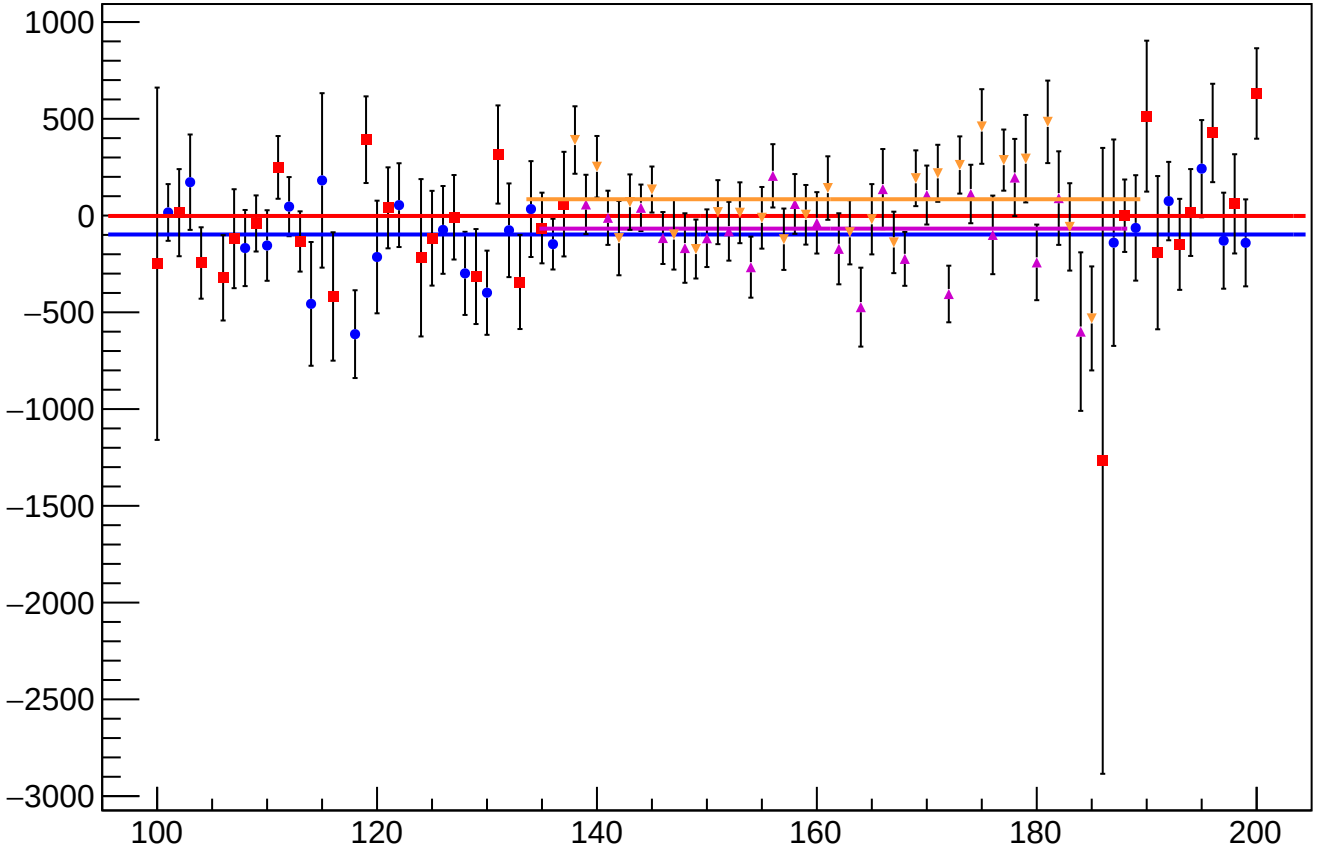
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12388713.4/46

All: 0.000+/-0.000 χ^2/NDF: 27932912.5/97

- sign 0.000+/-0.000 χ^2/NDF: 15525596.2/50

reg_asym_sam_48_avg_mean vs Slug



Right In: -97.878+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -2.107+/-43.427 χ^2/NDF: 31.1/27

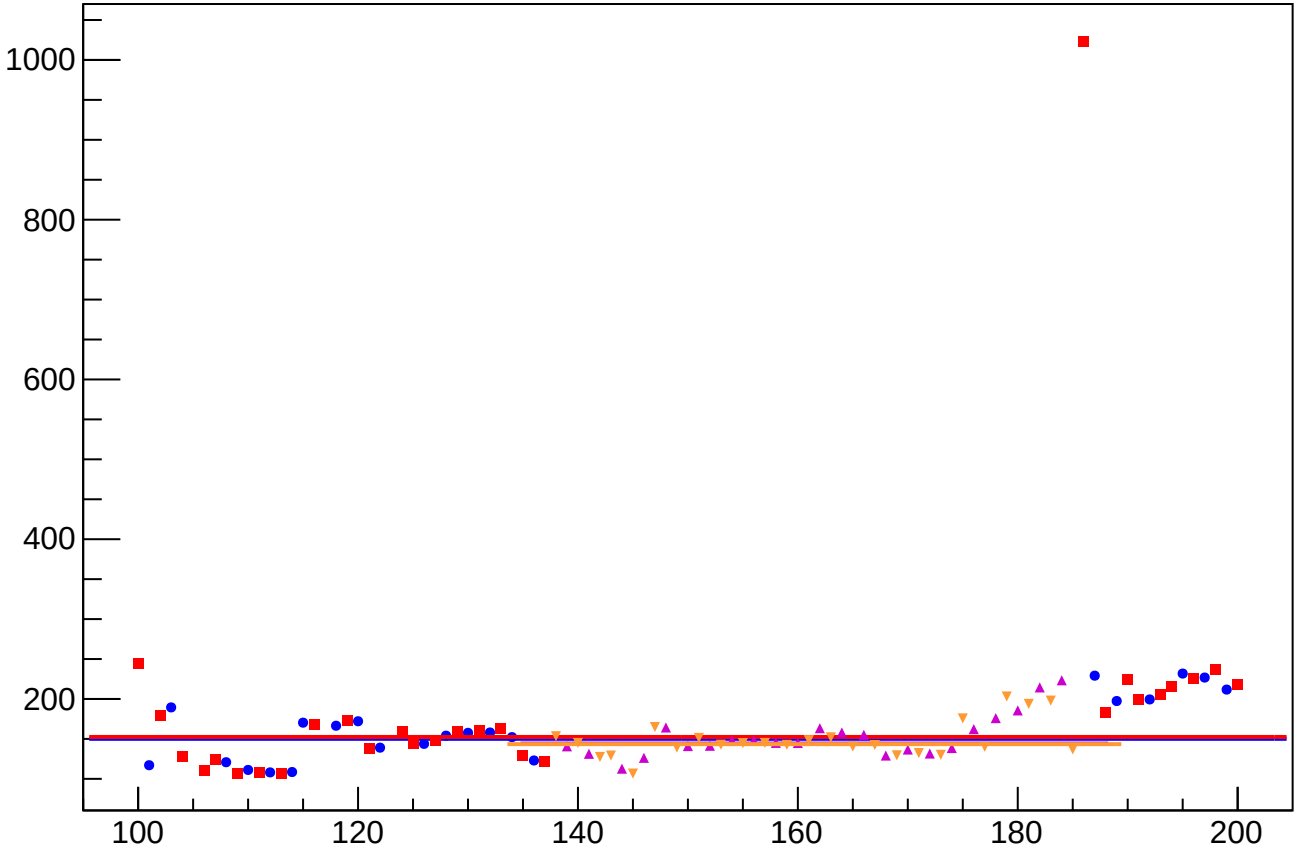
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 22.018+/-26.798 χ^2/NDF: 60.5/46

All: -10.251+/-18.963 χ^2/NDF: 122.4/97

- sign -42.615+/-26.838 χ^2/NDF: 59.0/50

reg_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372927.0/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

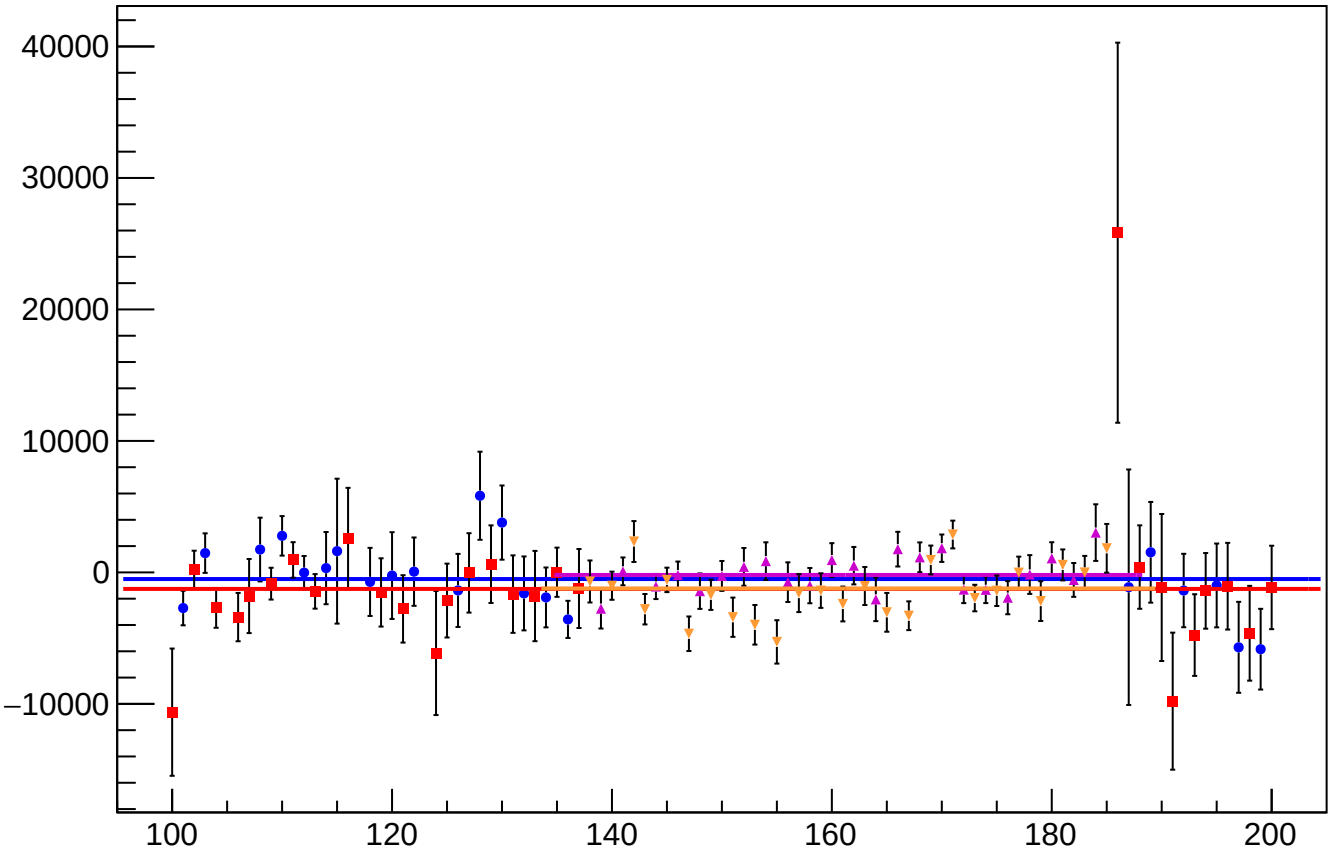
Right Out: 152.439+/-0.031 χ^2/NDF: 2324850.8/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 145.727+/-0.019 χ^2/NDF: 2147909.3/46

All: 146.526+/-0.013 χ^2/NDF: 5223850.9/97

- sign 147.328+/-0.019 χ^2/NDF: 3072375.9/50



Right In: -505.141+/-472.745 χ^2/NDF: 27.6/21

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1256.995+/-437.531 χ^2/NDF: 22.1/27

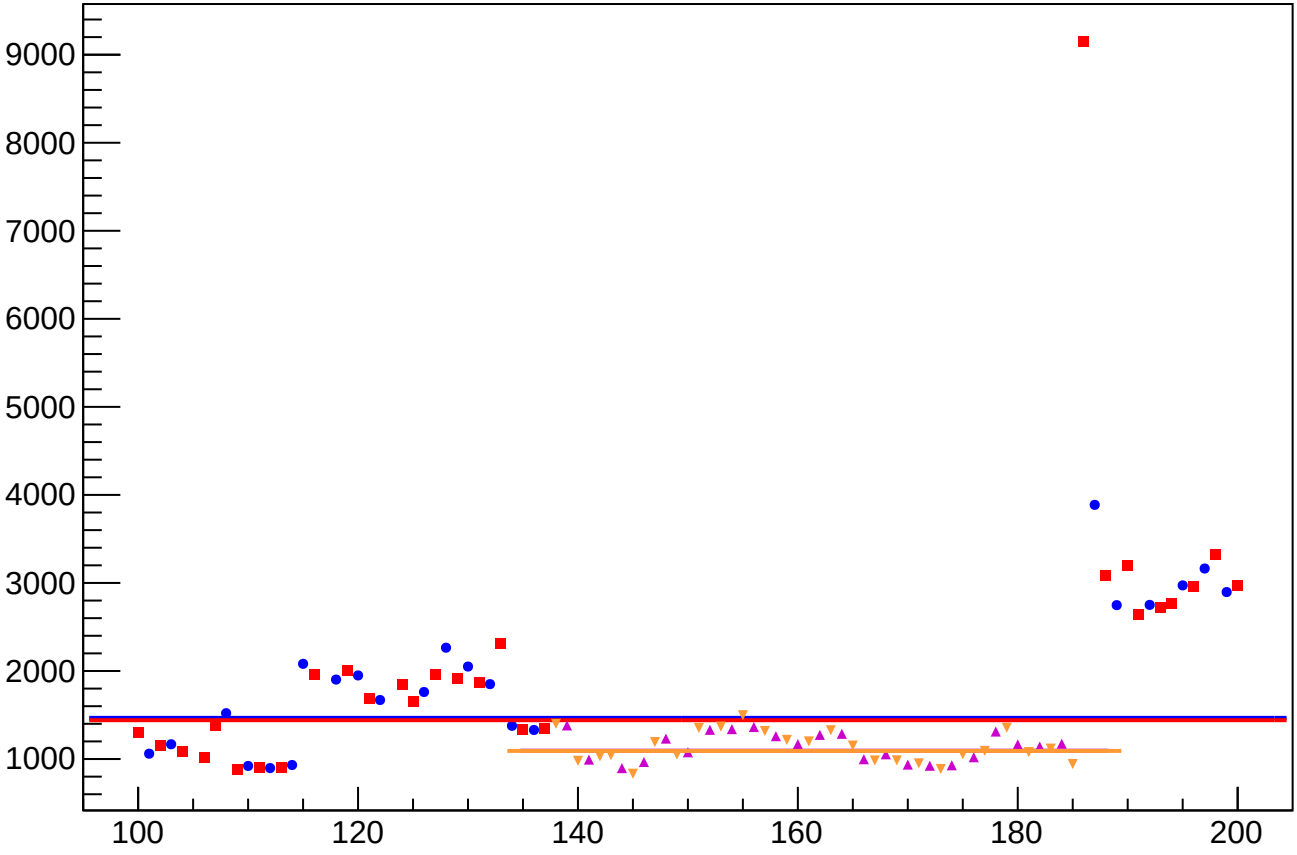
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.980+/-222.218 χ^2/NDF: 88.6/46

All: -768.589+/-157.347 χ^2/NDF: 142.0/97

- sign -469.565+/-222.828 χ^2/NDF: 49.8/50

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1467.573+/-0.334 χ^2/NDF: 3585435.3/21

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1440.907+/-0.309 χ^2/NDF: 5450062.3/27

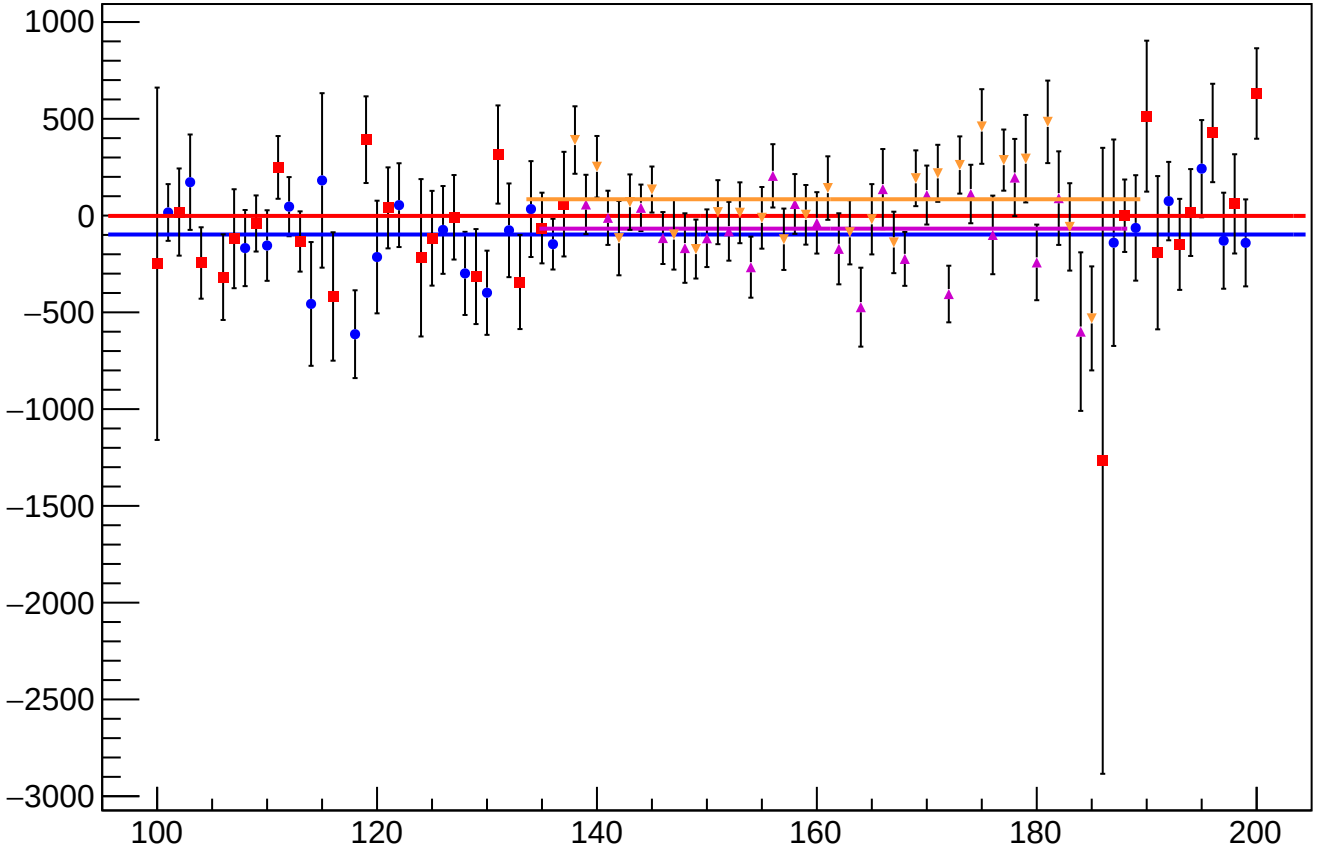
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1174.969+/-0.157 χ^2/NDF: 5461377.5/46

All: 1179.638+/-0.111 χ^2/NDF: 12574812.0/9

- sign 1184.332+/-0.158 χ^2/NDF: 7111664.3/50

cor_asym_sam_48_avg_mean vs Slug



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -1.767+/-43.433 χ^2/NDF: 31.0/27

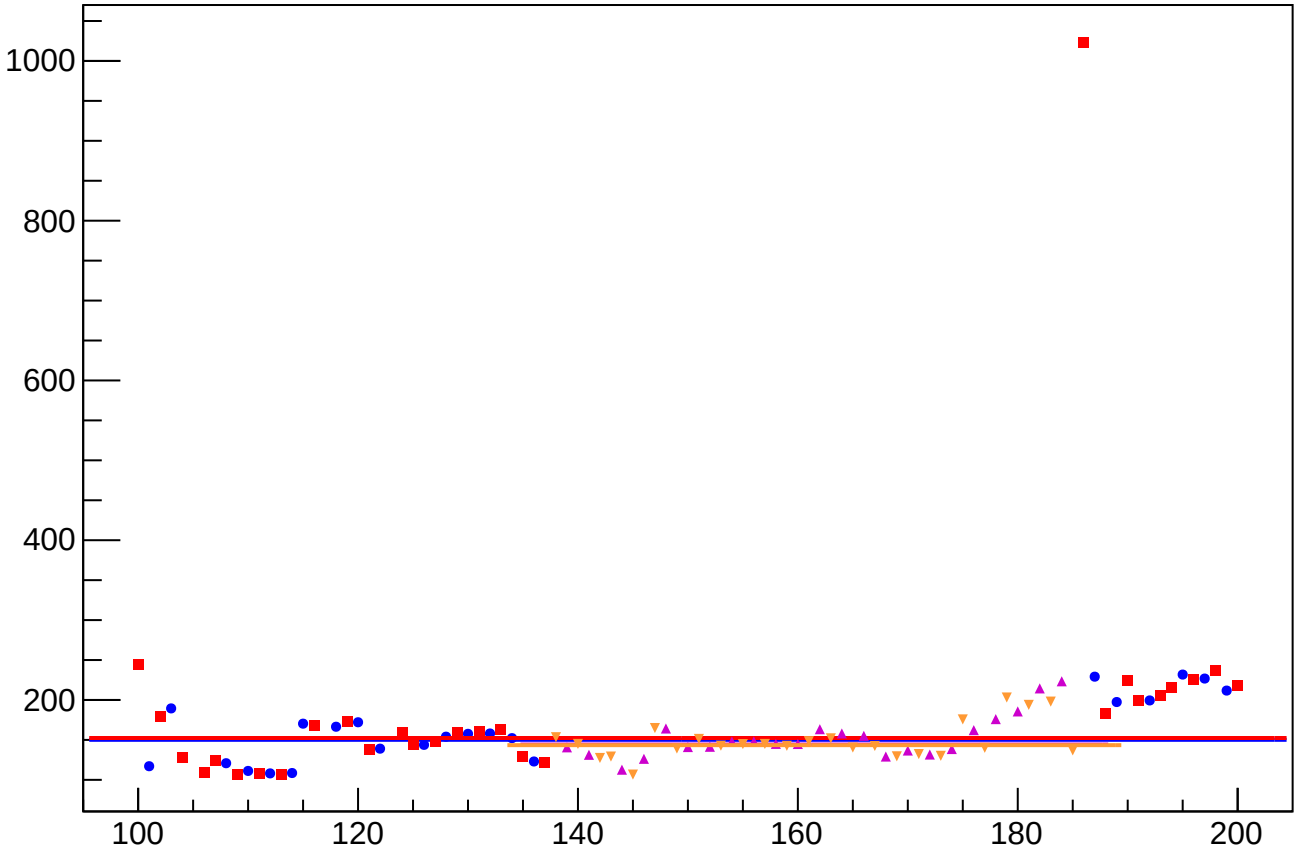
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.024+/-26.798 χ^2/NDF: 60.5/46

All: -10.184+/-18.964 χ^2/NDF: 122.3/97

- sign -42.491+/-26.839 χ^2/NDF: 59.0/50

cor_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

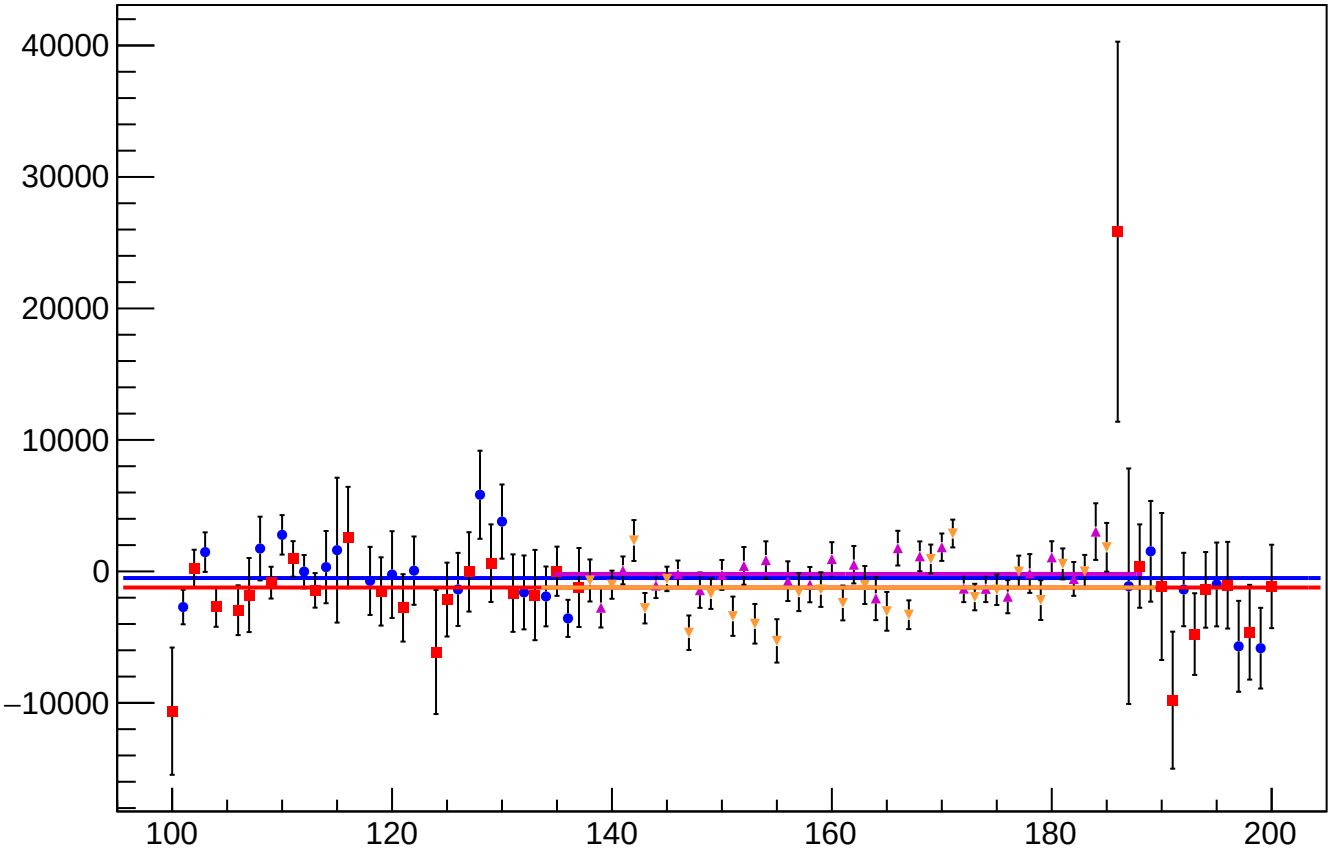
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 145.727+/-0.019 χ^2/NDF: 2147912.0/46

All: 146.517+/-0.013 χ^2/NDF: 5228506.7/97

- sign 147.309+/-0.019 χ^2/NDF: 3077115.1/50

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1226.662+/-438.284 χ^2/NDF: 21.6/27

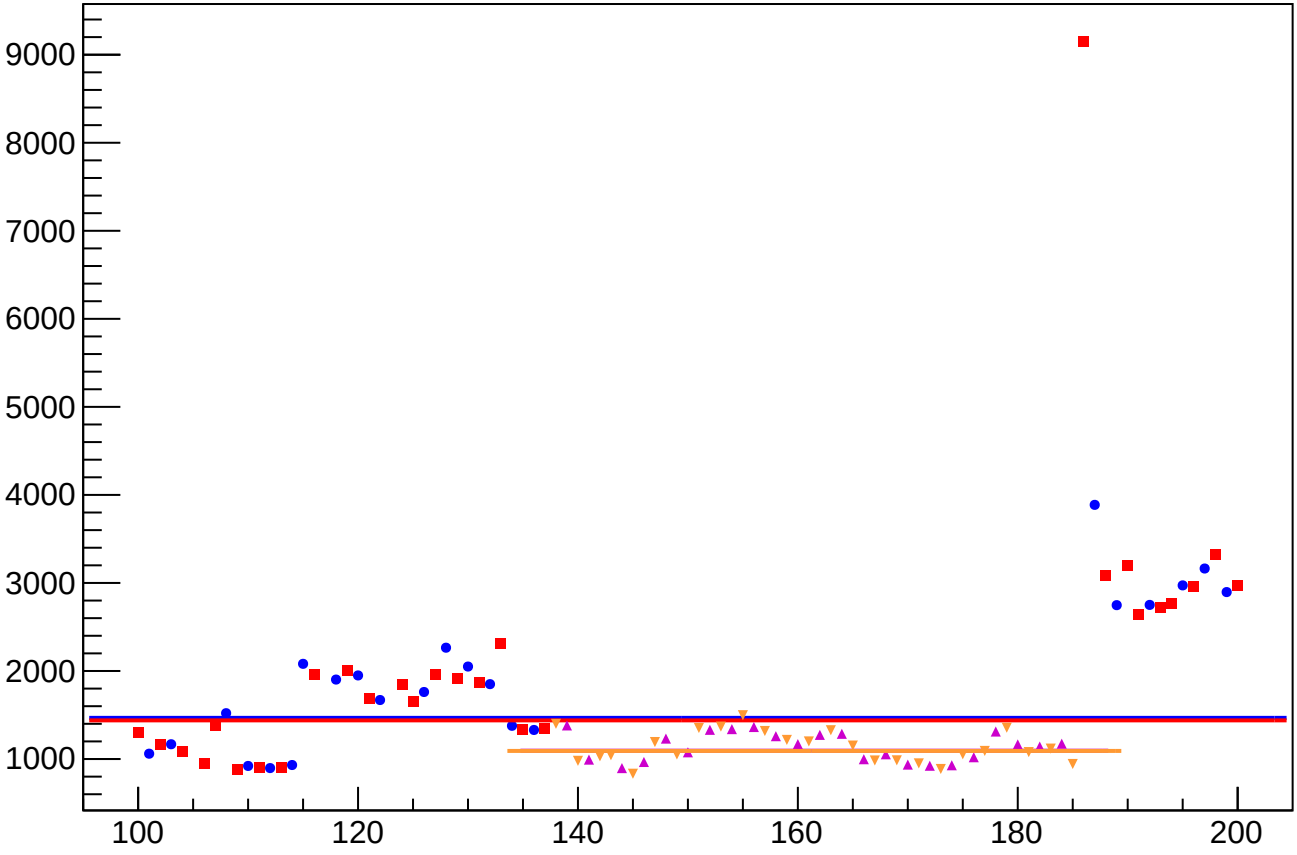
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.984+/-222.219 χ^2/NDF: 88.6/46

All: -764.463+/-157.382 χ^2/NDF: 141.3/97

- sign -461.018+/-222.927 χ^2/NDF: 49.0/50

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

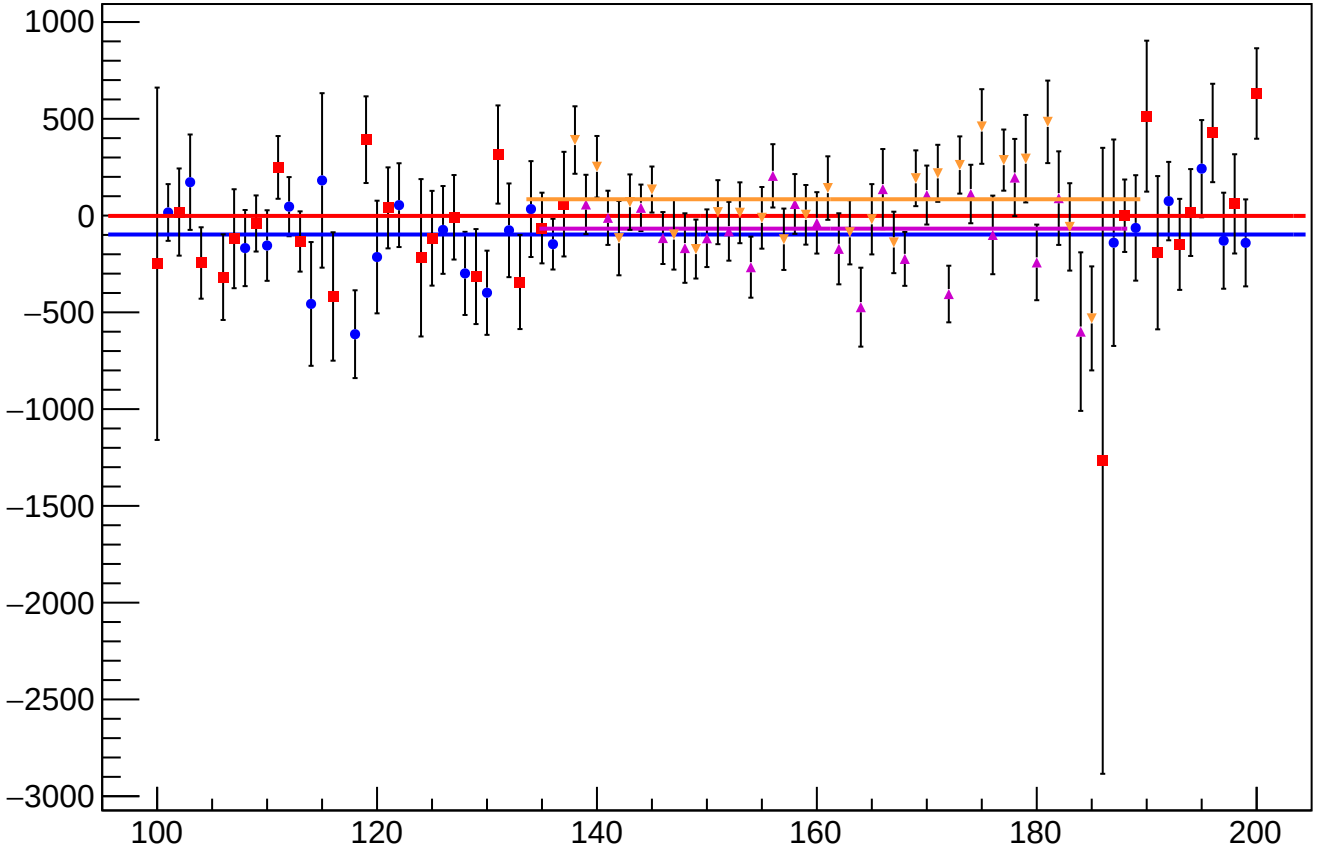
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1174.971+/-0.157 χ^2/NDF: 5461374.3/46

All: 1179.290+/-0.111 χ^2/NDF: 12587261.7/9

- sign 1183.636+/-0.158 χ^2/NDF: 7124371.9/50

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -1.767+/-43.433 χ^2/NDF: 31.0/27

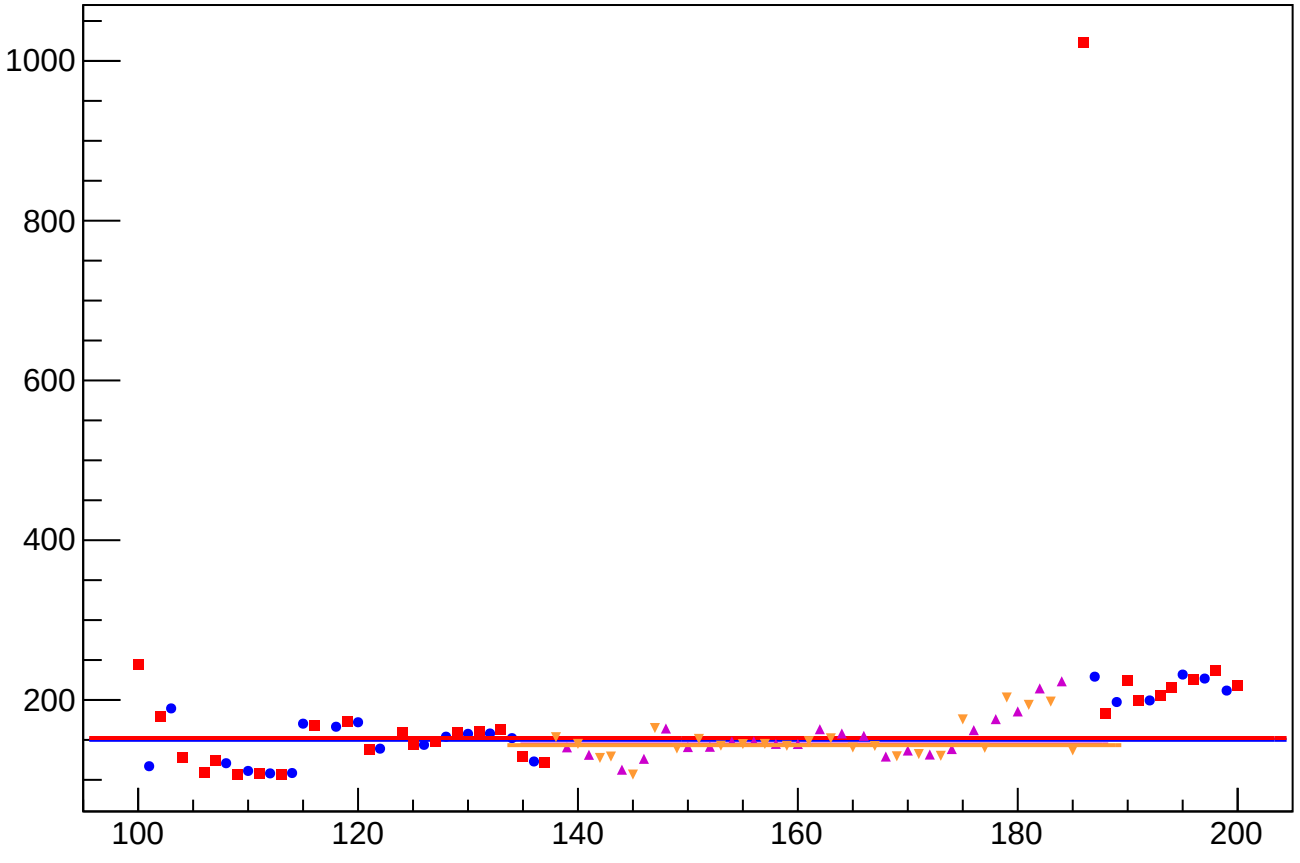
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.024+/-26.798 χ^2/NDF: 60.5/46

All: -10.184+/-18.964 χ^2/NDF: 122.3/97

- sign -42.491+/-26.839 χ^2/NDF: 59.0/50

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

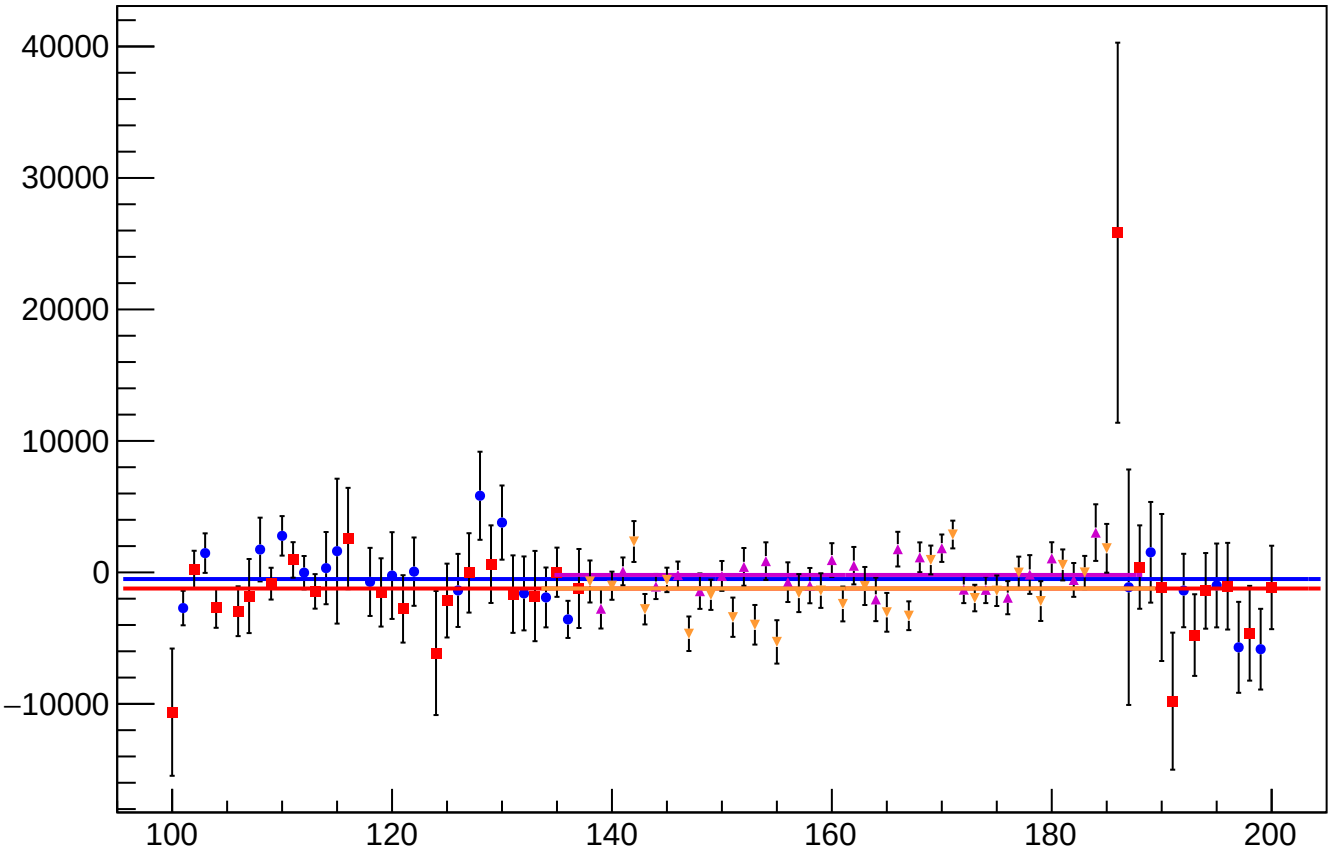
Right Out: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 145.727+/-0.019 χ^2/NDF: 2147912.0/46

All: 146.517+/-0.013 χ^2/NDF: 5228506.7/97

- sign 147.309+/-0.019 χ^2/NDF: 3077115.1/50



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1226.662+/-438.284 χ^2/NDF: 21.6/27

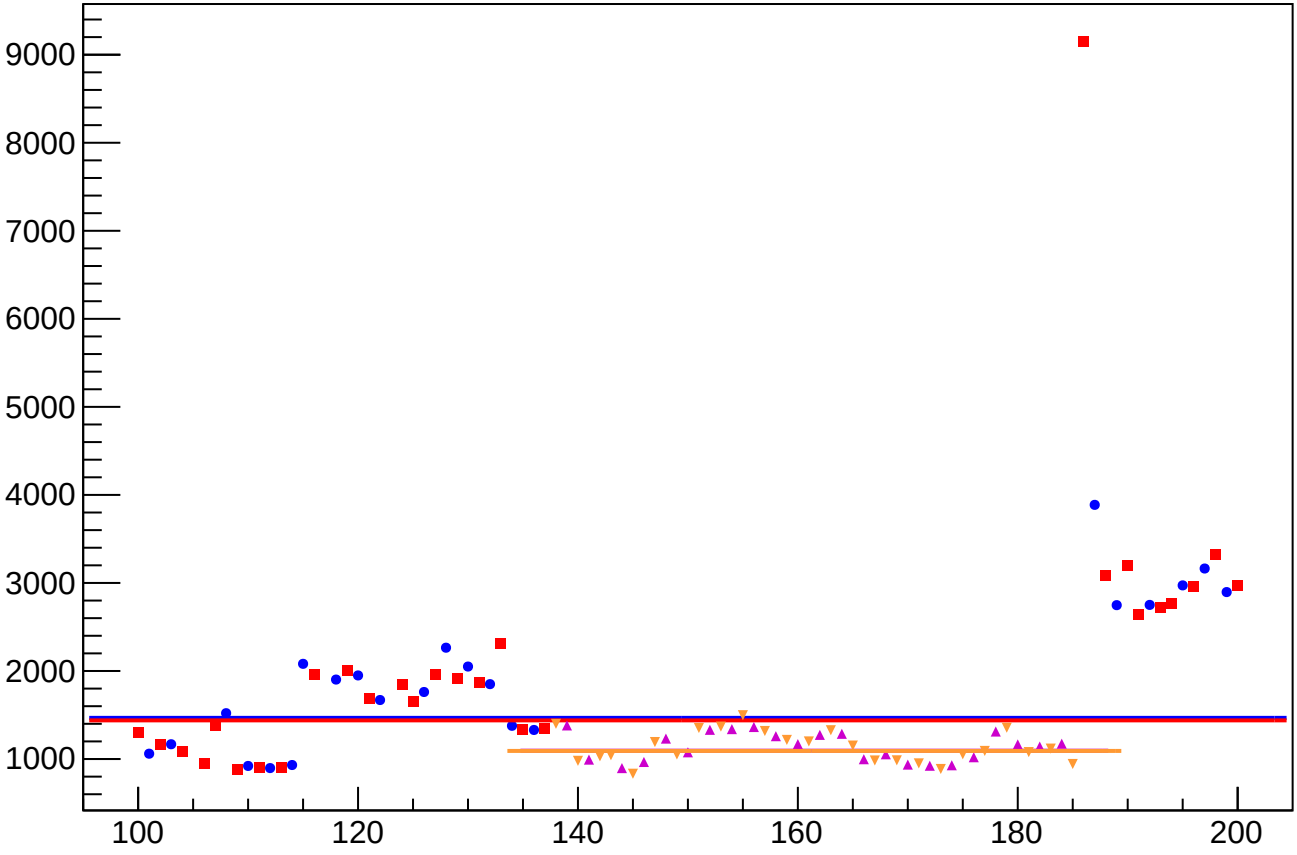
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.984+/-222.219 χ^2/NDF: 88.6/46

All: -764.463+/-157.382 χ^2/NDF: 141.3/97

- sign -461.018+/-222.927 χ^2/NDF: 49.0/50

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

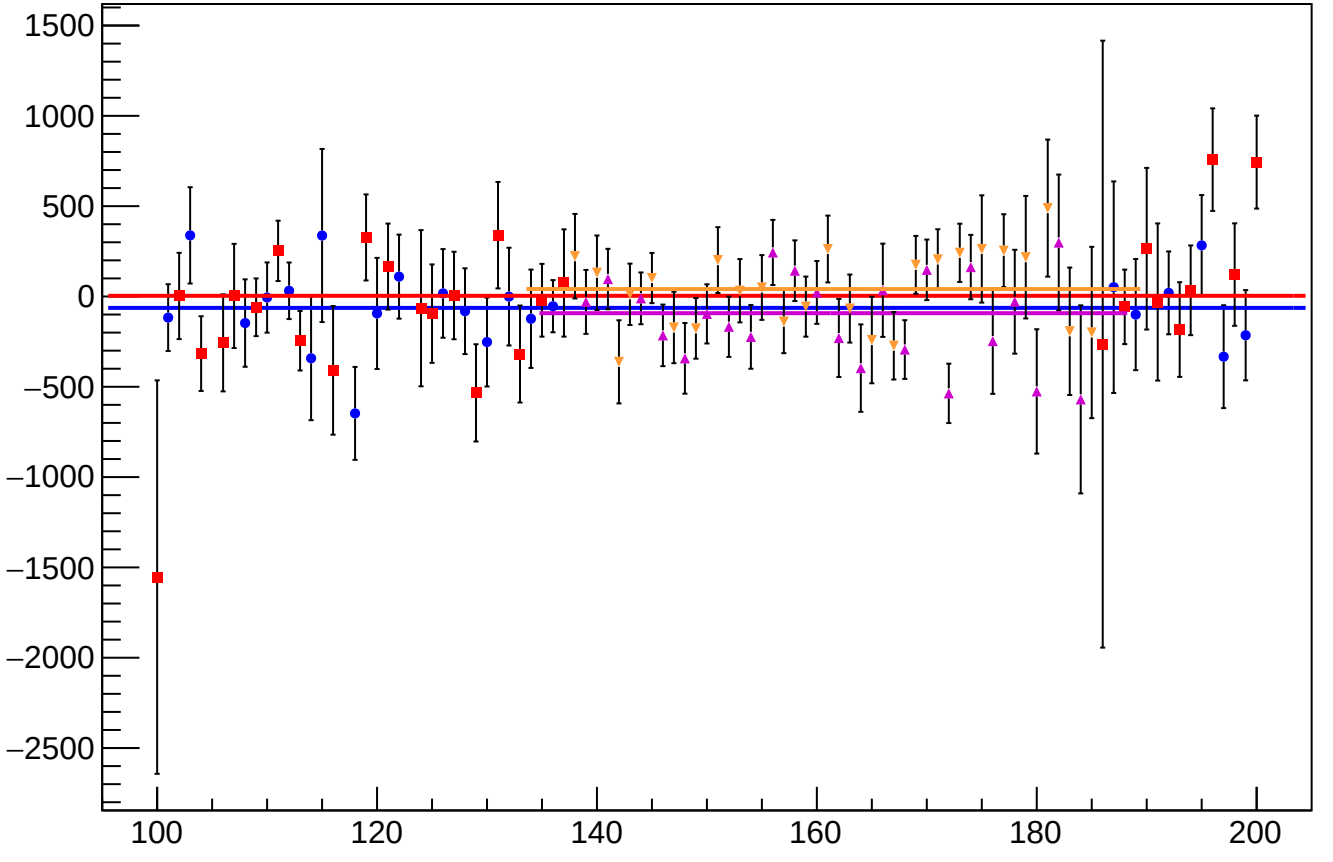
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1174.971+/-0.157 χ^2/NDF: 5461374.3/46

All: 1179.290+/-0.111 χ^2/NDF: 12587261.7/9

- sign 1183.636+/-0.158 χ^2/NDF: 7124371.9/50

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.099+/-51.003 χ^2/NDF: 13.8/21

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 3.695+/-47.750 χ^2/NDF: 37.1/27

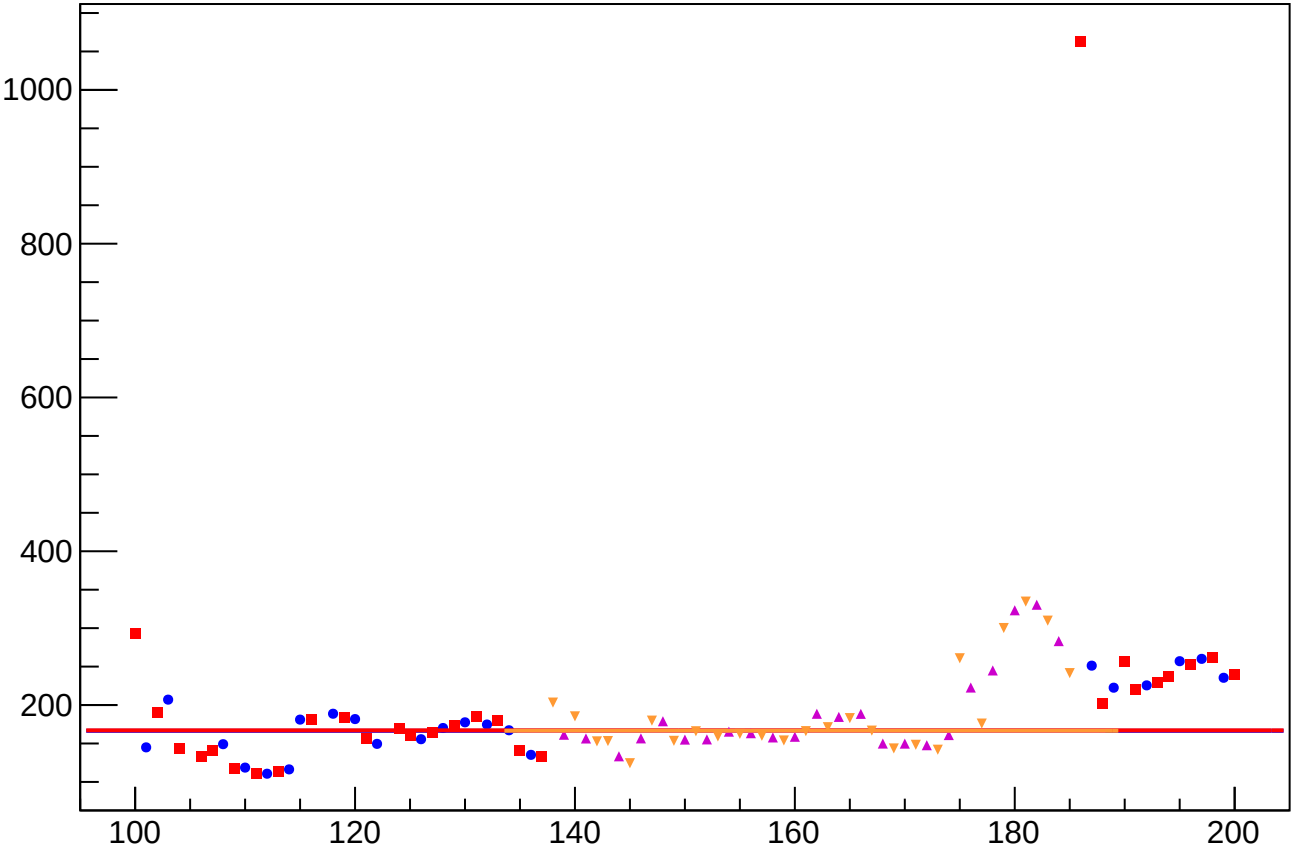
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.425+/-31.069 χ^2/NDF: 38.7/46

All: -25.420+/-21.851 χ^2/NDF: 109.3/97

- sign -52.673+/-30.737 χ^2/NDF: 69.0/50

dit_asym_sam_48_avg_rms vs Slug



Right In: 166.479+/-0.036 χ^2/NDF: 1459065.4/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 167.076+/-0.034 χ^2/NDF: 2409793.3/27

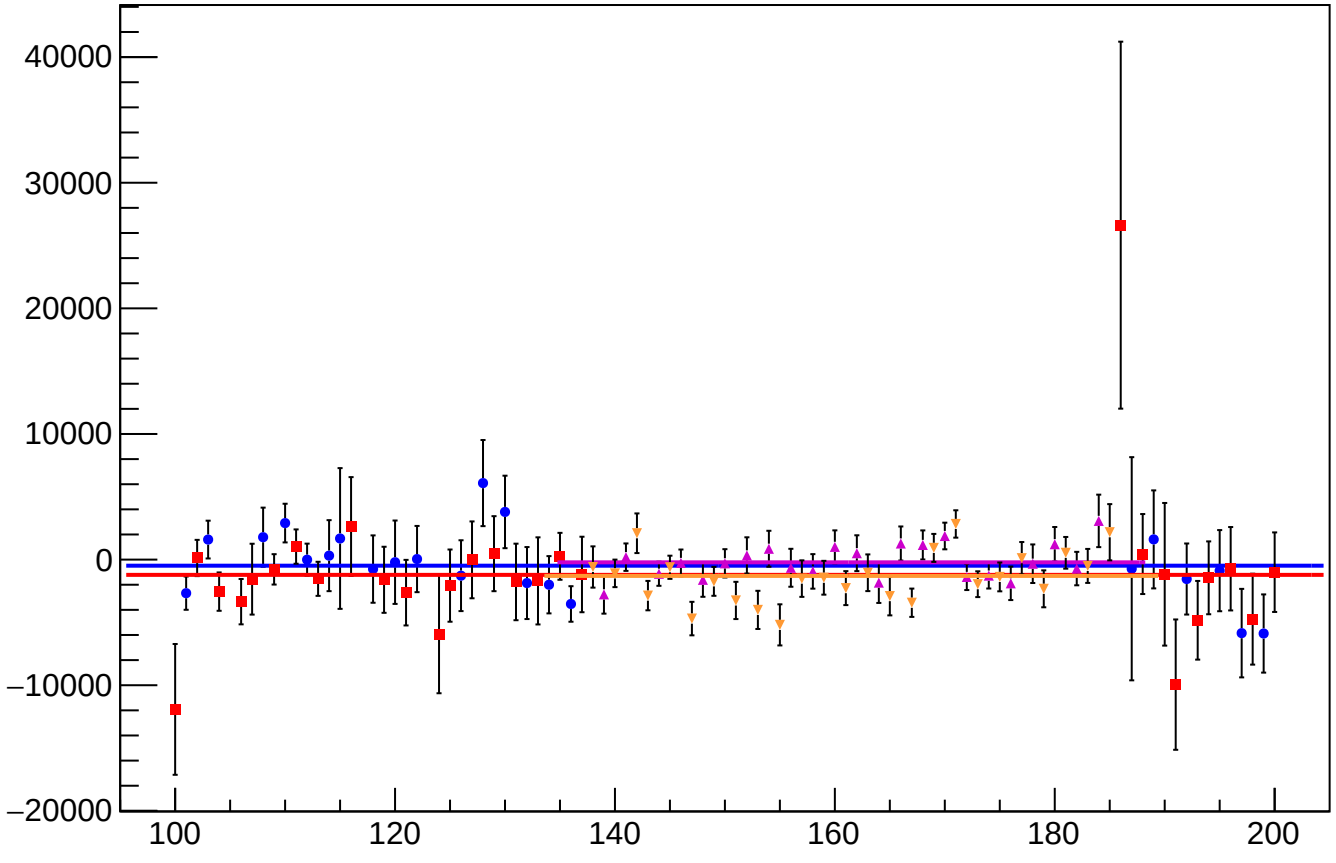
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

\+ sign 166.554+/-0.022 χ^2/NDF: 3178907.9/46

All: 166.591+/-0.015 χ^2/NDF: 6981476.2/97

\- sign 166.626+/-0.022 χ^2/NDF: 3802562.8/50

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -484.112+/-477.514 χ^2/NDF: 27.9/21

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1215.119+/-441.407 χ^2/NDF: 22.8/27

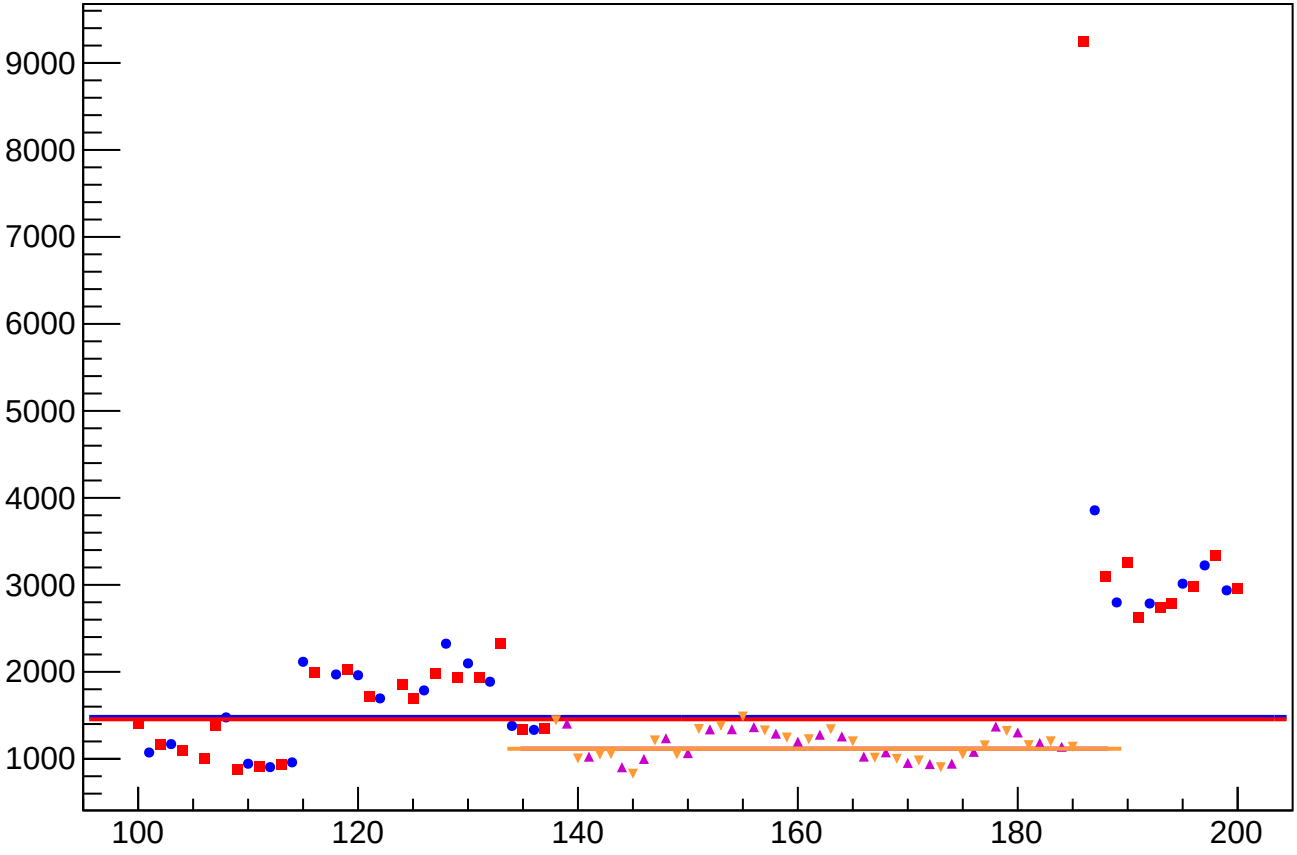
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

\+ sign -1115.498+/-226.279 χ^2/NDF: 85.3/46

All: -798.873+/-160.192 χ^2/NDF: 137.9/97

\- sign -480.748+/-226.814 χ^2/NDF: 48.8/50

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1481.993+/-0.338 χ^2/NDF: 3616926.0/21

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1454.689+/-0.312 χ^2/NDF: 5447997.2/27

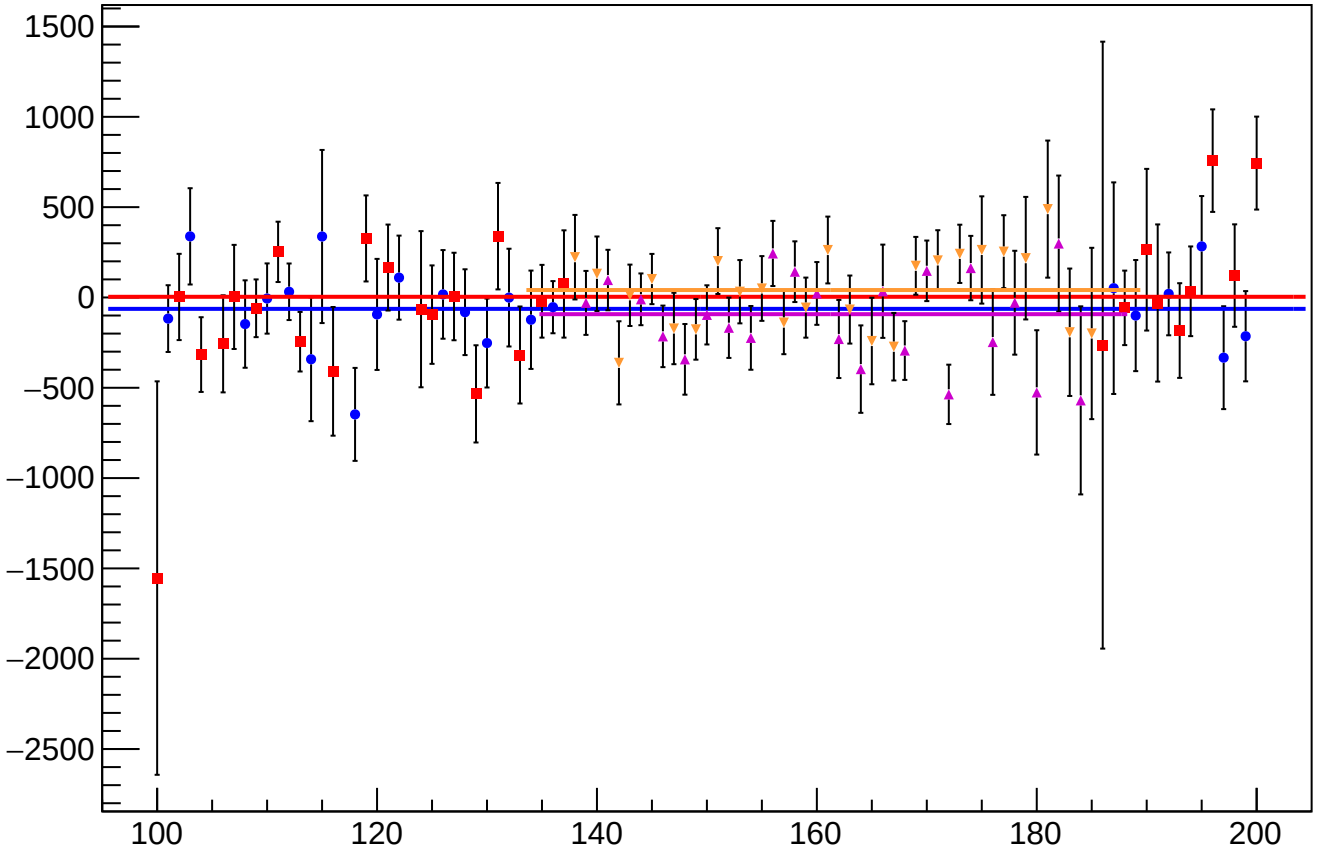
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1198.210+/-0.160 χ^2/NDF: 5395328.1/46

All: 1202.482+/-0.113 χ^2/NDF: 12431381.0/9

- sign 1206.774+/-0.160 χ^2/NDF: 7034624.2/50

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.097+/-51.003 χ^2/NDF: 13.8/21

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 3.696+/-47.750 χ^2/NDF: 37.1/27

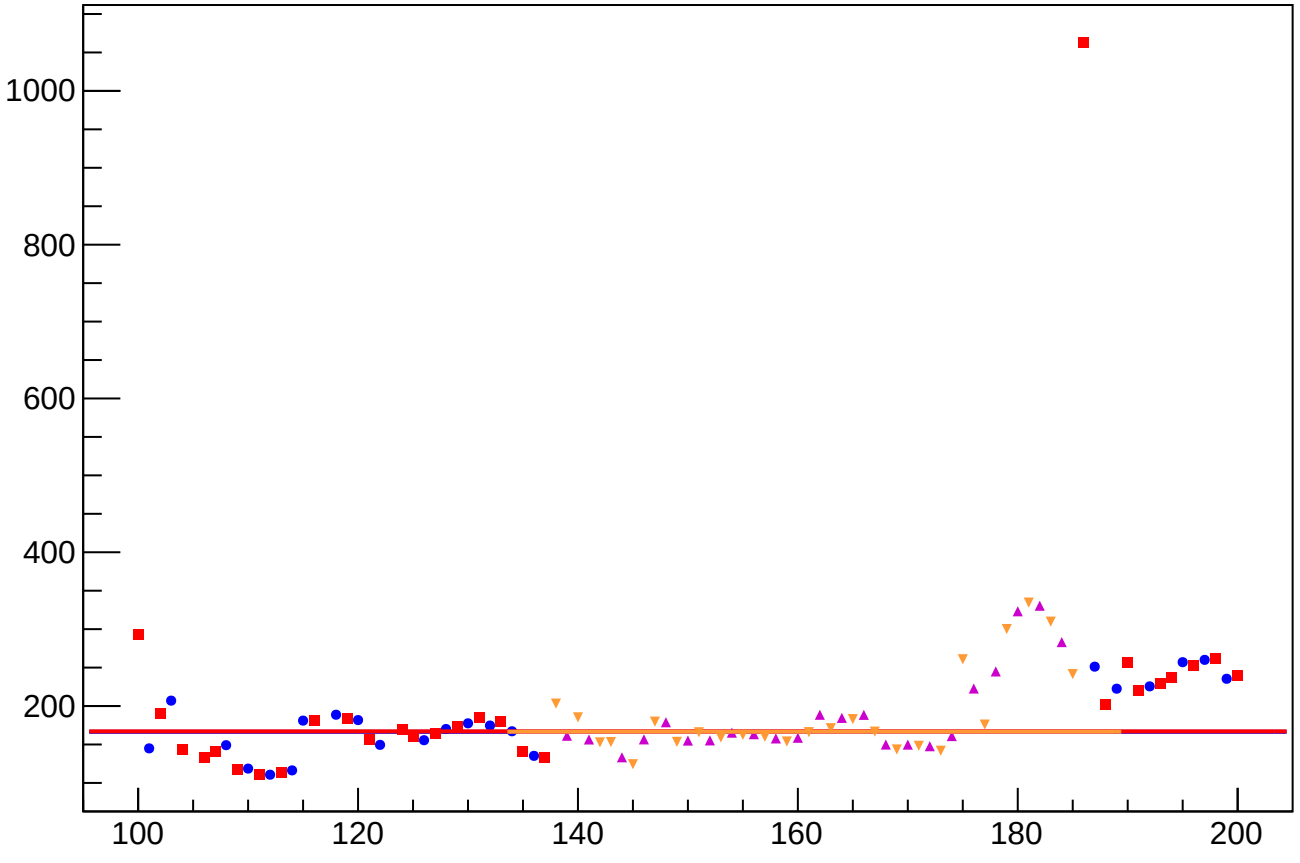
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.427+/-31.069 χ^2/NDF: 38.7/46

All: -25.418+/-21.851 χ^2/NDF: 109.3/97

- sign -52.673+/-30.737 χ^2/NDF: 69.0/50

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 166.479+/-0.036 χ^2/NDF: 1459058.9/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 167.076+/-0.034 χ^2/NDF: 2409795.3/27

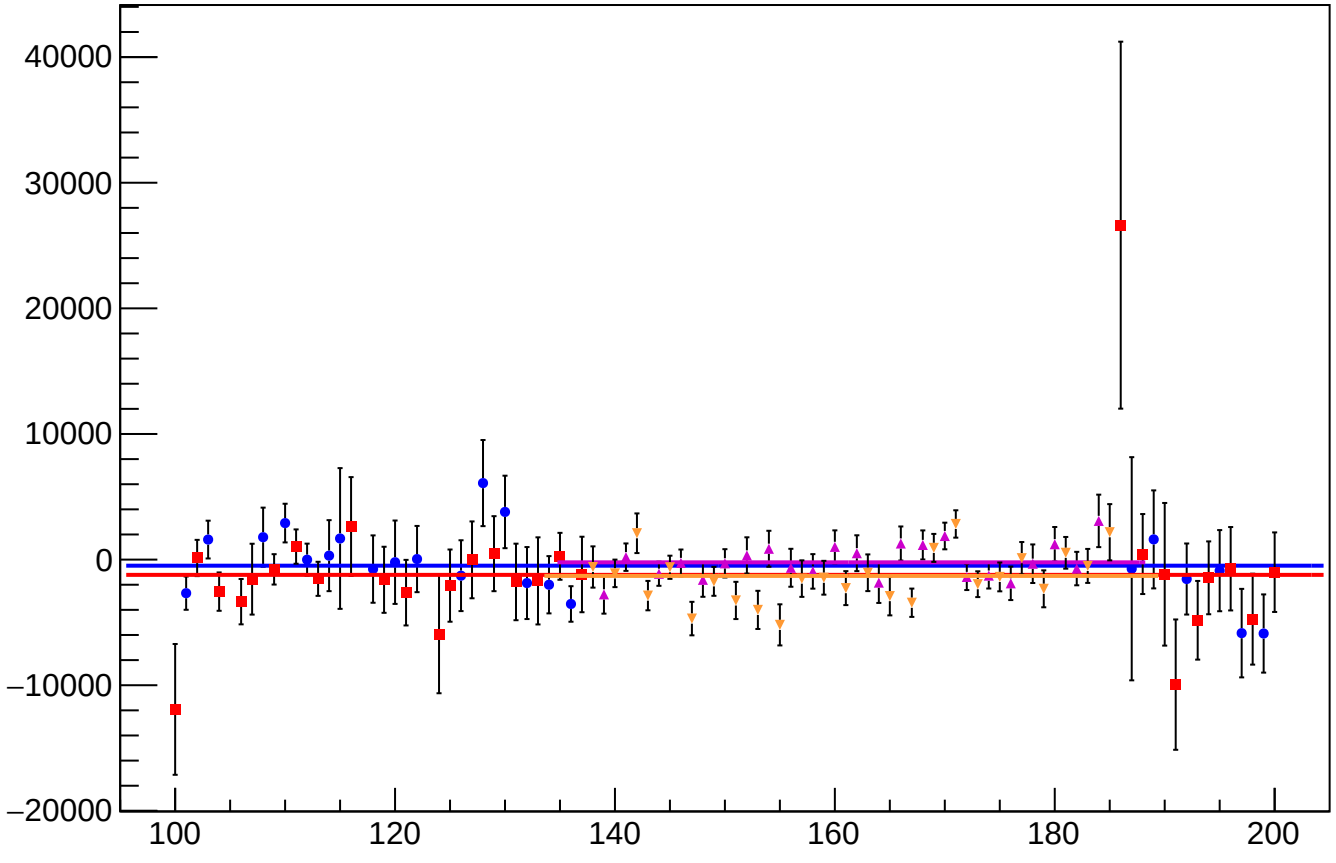
Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 166.554+/-0.022 χ^2/NDF: 3178895.3/46

All: 166.591+/-0.015 χ^2/NDF: 6981445.1/97

- sign 166.627+/-0.022 χ^2/NDF: 3802544.3/50

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -484.111+/-477.513 χ^2/NDF: 27.9/21

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

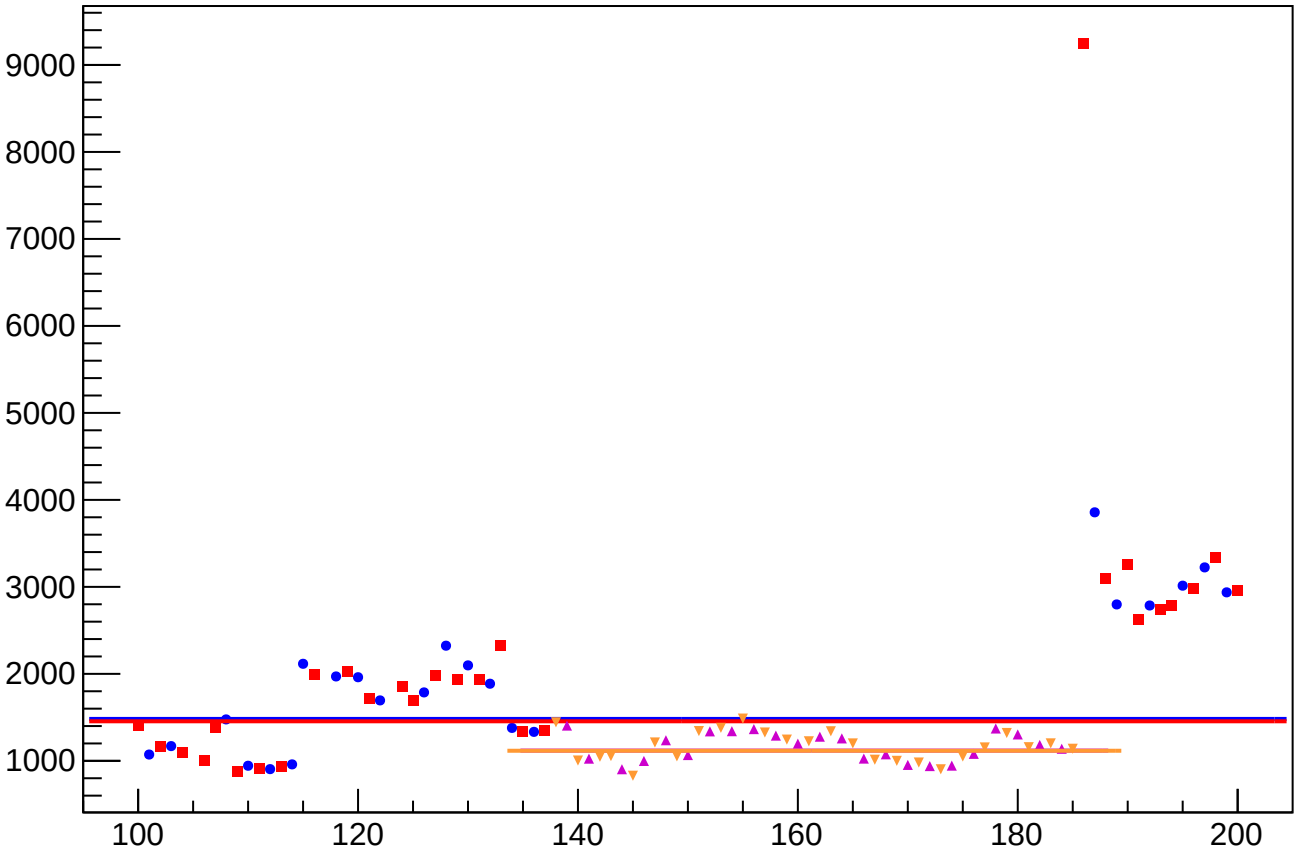
Right Out: -1215.118+/-441.407 χ^2/NDF: 22.8/27

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1115.496+/-226.279 χ^2/NDF: 85.3/46

All: -798.871+/-160.192 χ^2/NDF: 137.9/97

- sign -480.747+/-226.814 χ^2/NDF: 48.8/50



Right In: 1481.991+/-0.338 χ^2/NDF: 3616928.8/21

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1454.688+/-0.312 χ^2/NDF: 5447996.0/27

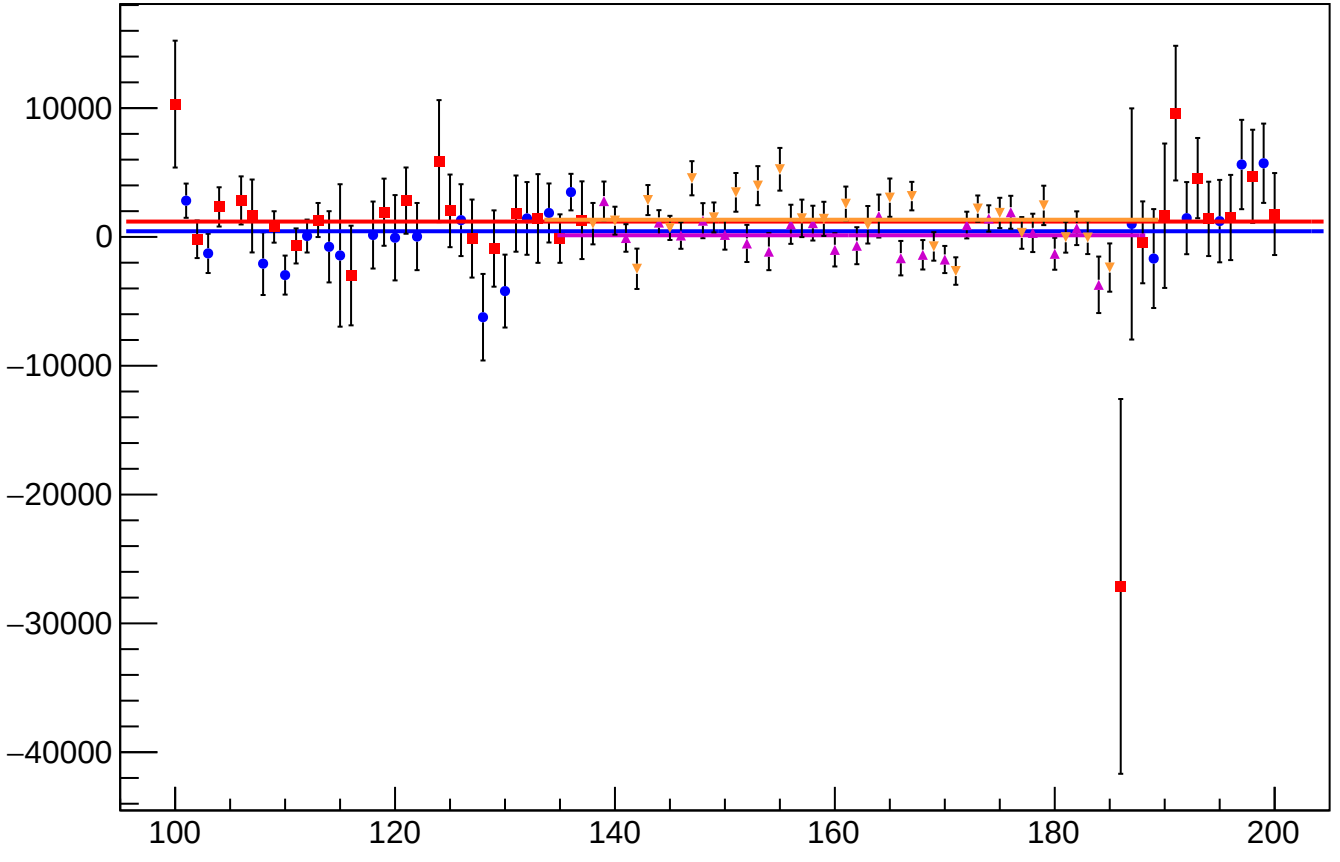
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1198.208+/-0.160 χ^2/NDF: 5395336.8/46

All: 1202.480+/-0.113 χ^2/NDF: 12431391.5/9

- sign 1206.772+/-0.160 χ^2/NDF: 7034625.9/50

asym_sam_48_avg_mean vs Slug



Right In: 440.996+/-476.011 χ^2/NDF: 28.5/21

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1192.555+/-440.628 χ^2/NDF: 20.5/27

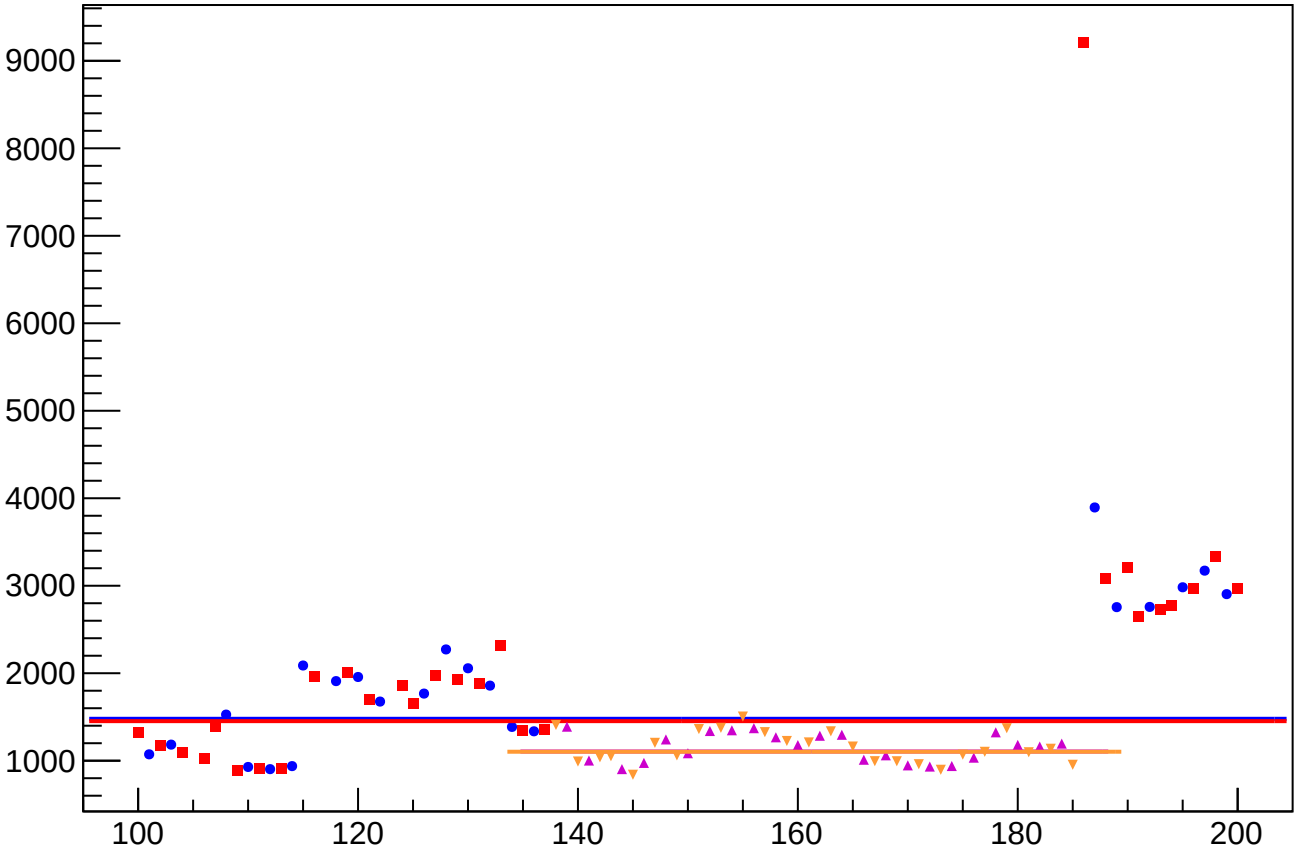
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1136.408+/-224.221 χ^2/NDF: 86.9/46

All: 771.899+/-158.762 χ^2/NDF: 141.1/97

- sign 405.422+/-224.826 χ^2/NDF: 48.8/50

asym_sam_48_avg_rms vs Slug



Right In: 1479.150+/-0.337 χ^2/NDF: 3547497.6/21

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1452.298+/-0.312 χ^2/NDF: 5405771.6/27

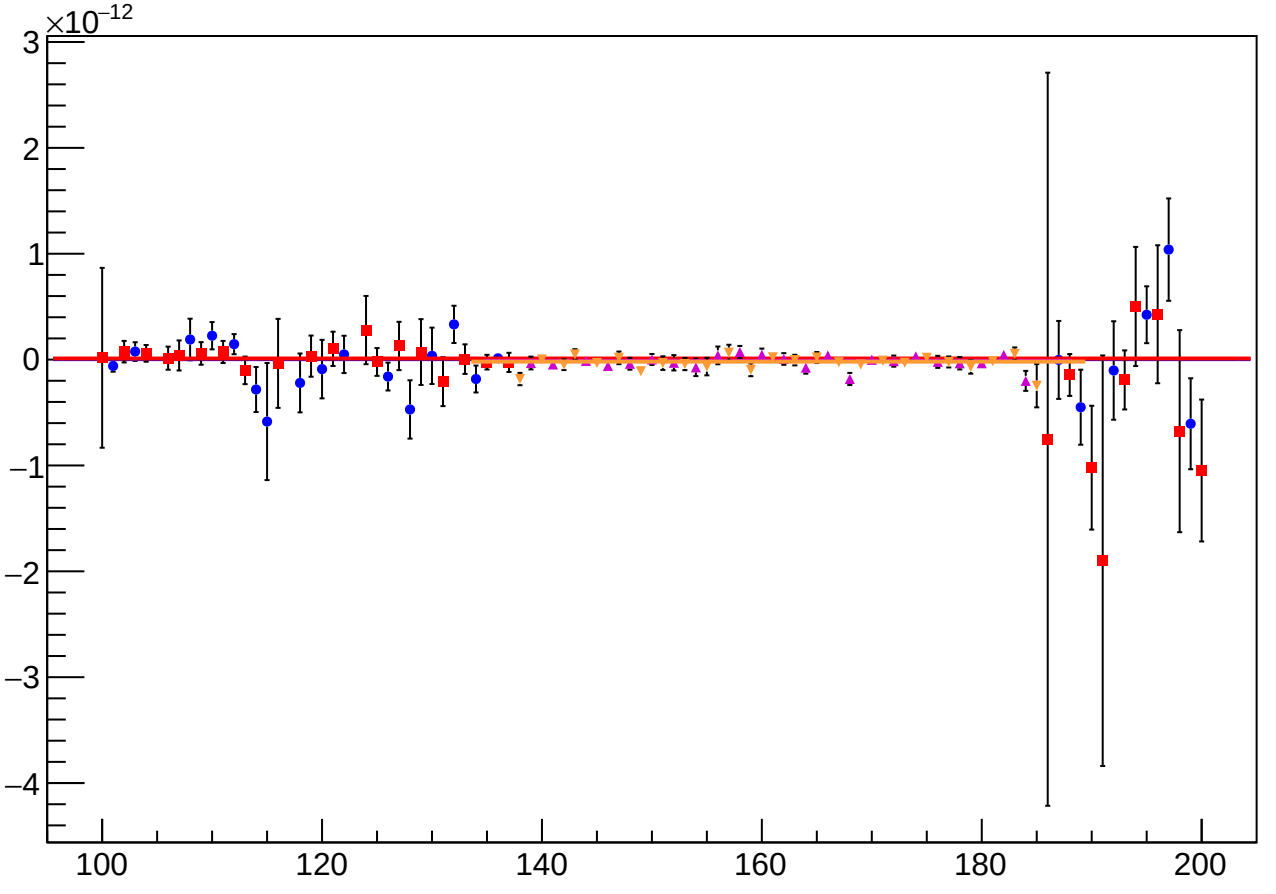
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1186.227+/-0.159 χ^2/NDF: 5401288.2/46

All: 1190.883+/-0.112 χ^2/NDF: 12450046.3/9

- sign 1195.565+/-0.159 χ^2/NDF: 7047028.5/50

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

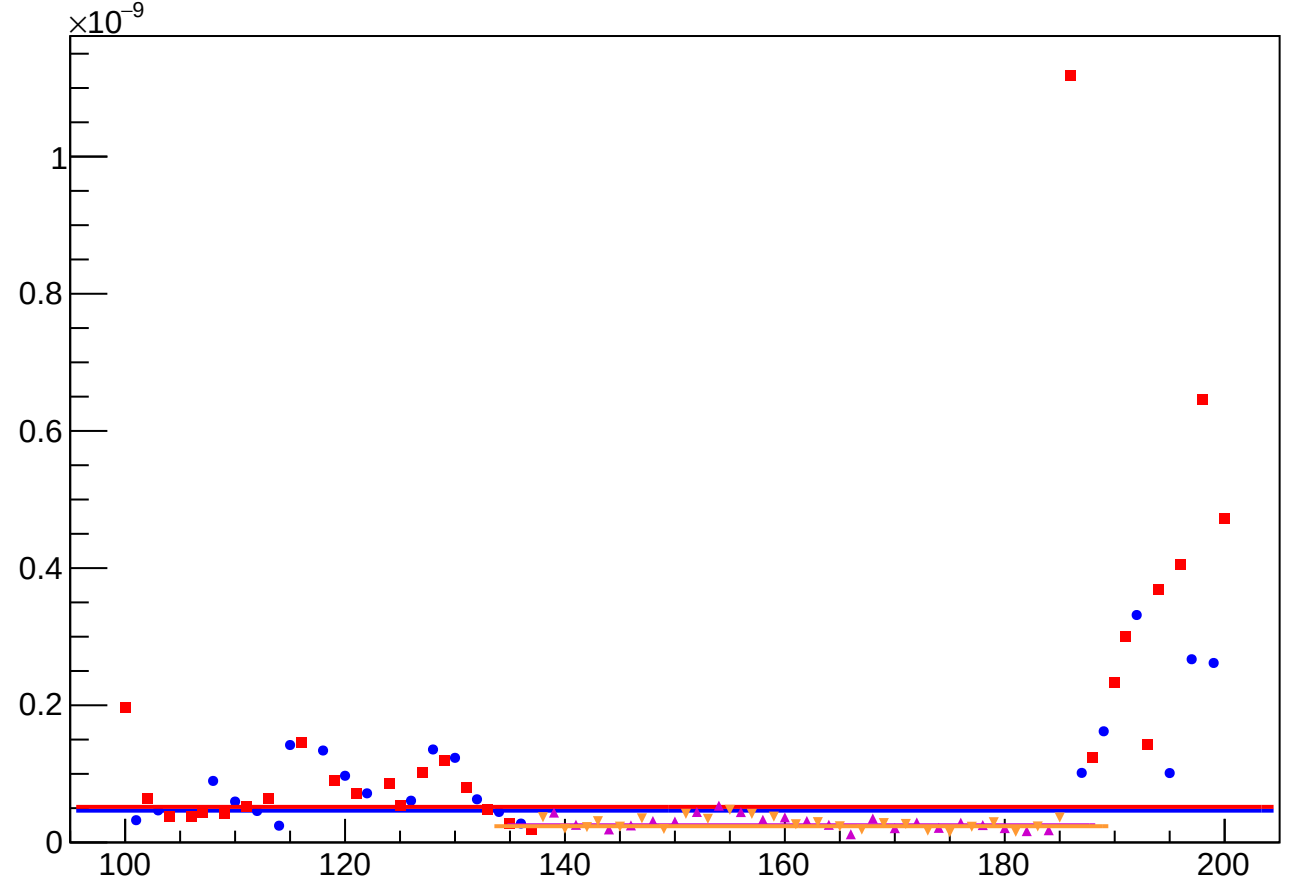
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/27

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/46

All: -0.000+/-0.000 χ^2/NDF: 102.3/97

- sign -0.000+/-0.000 χ^2/NDF: 41.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 3398309.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4873389.1/27

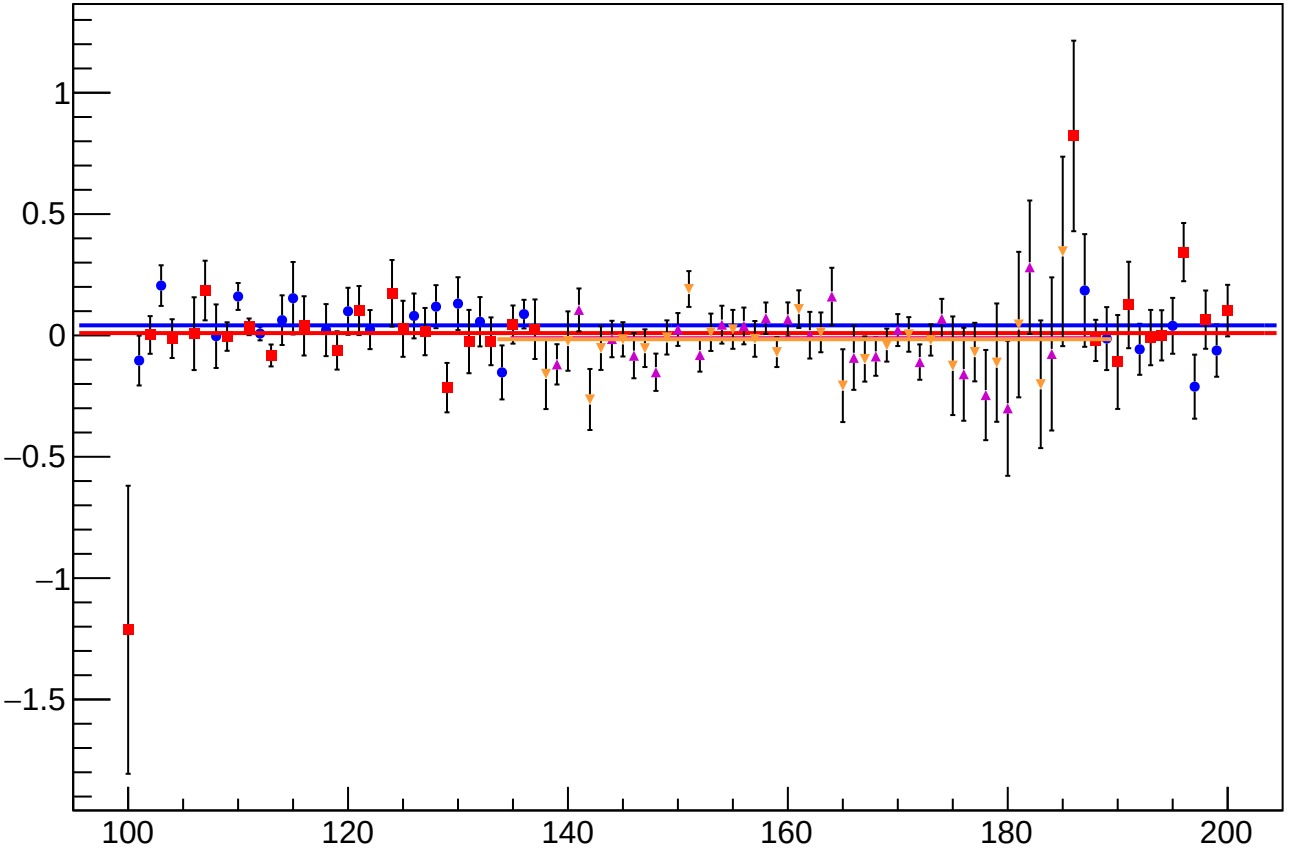
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6148787.9/46

All: 0.000+/-0.000 χ^2/NDF: 14210269.9/97

- sign 0.000+/-0.000 χ^2/NDF: 8015077.5/50

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

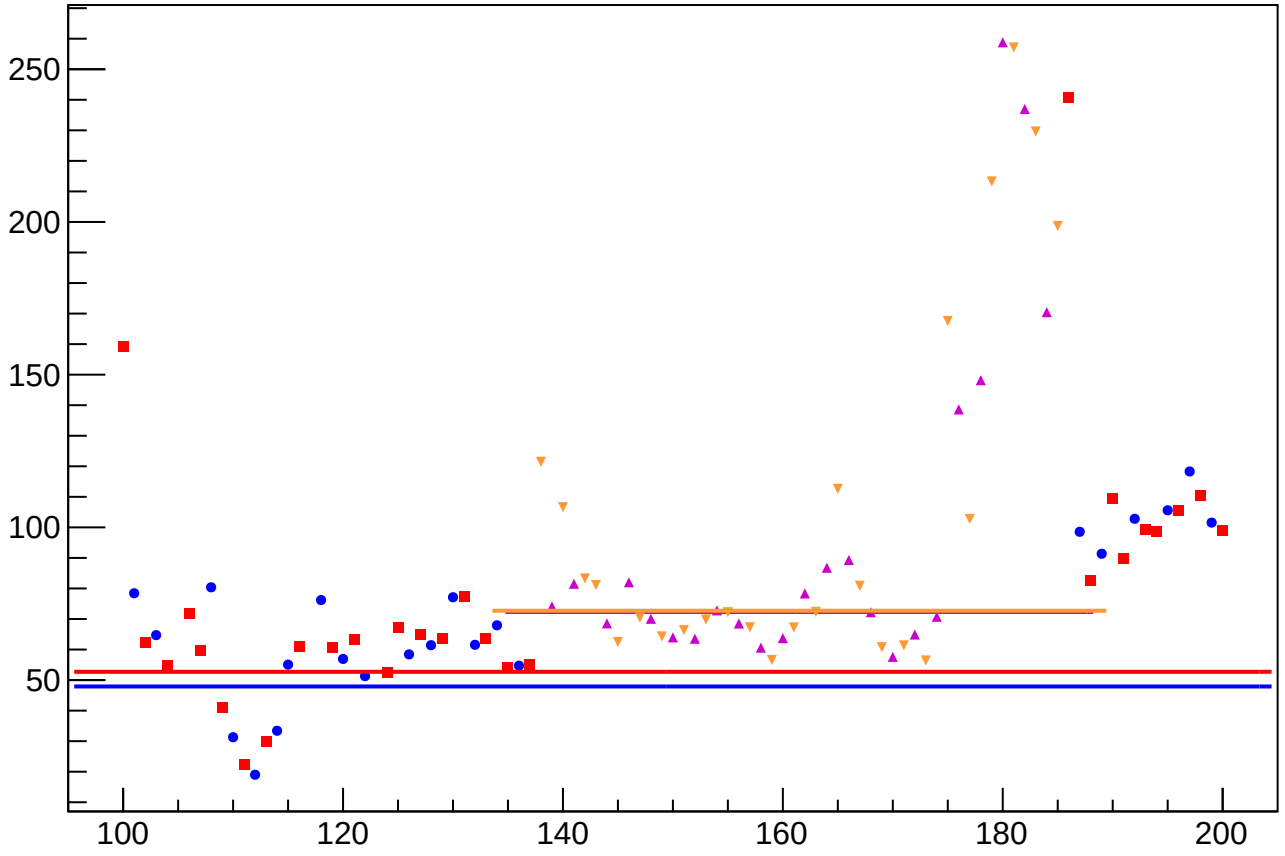
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.008+/-0.009 χ^2/NDF: 109.7/97

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

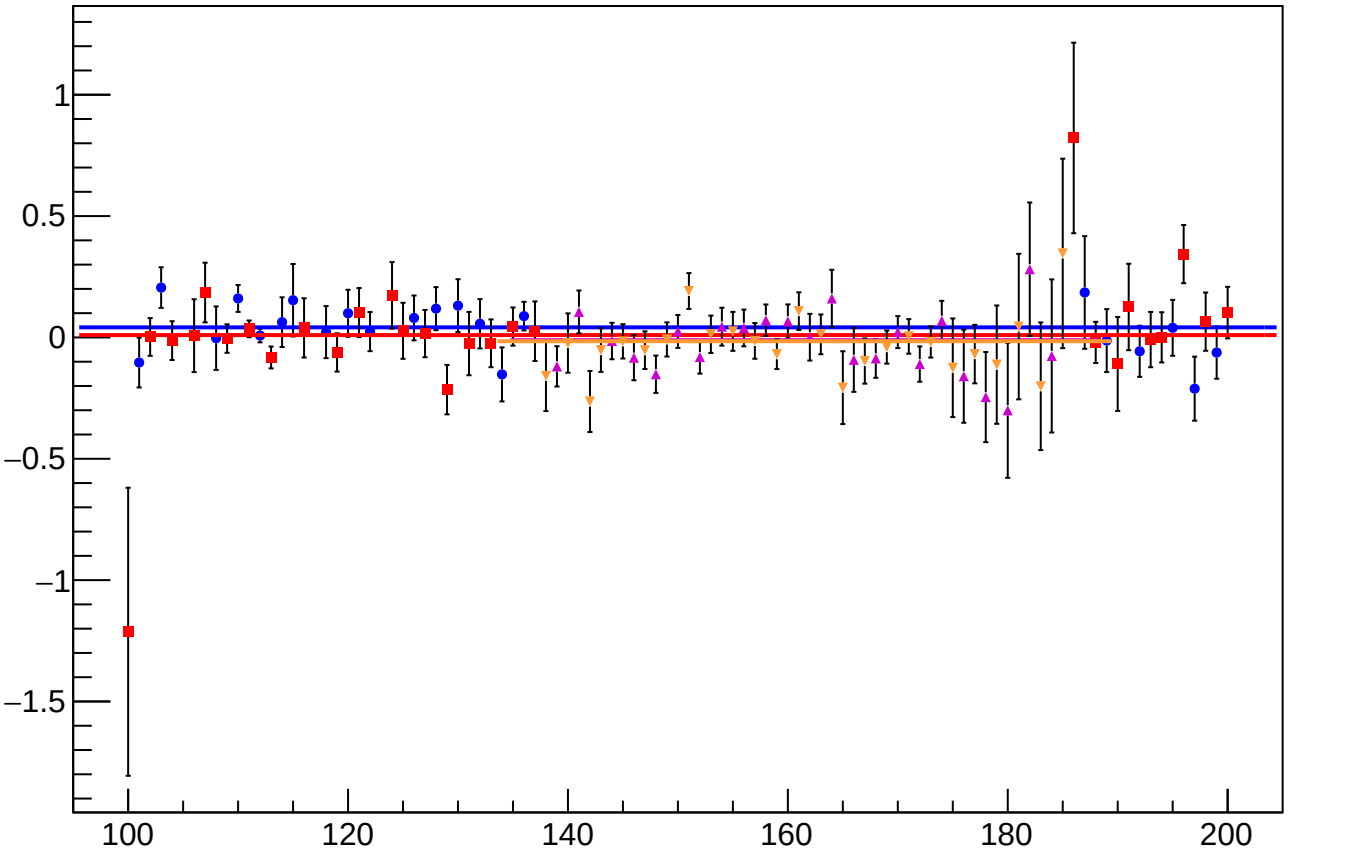
Right Out: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.466+/-0.009 χ^2/NDF: 11646890.7/46

All: 60.473+/-0.006 χ^2/NDF: 21202107.5/97

- sign 61.470+/-0.009 χ^2/NDF: 9528388.1/50



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

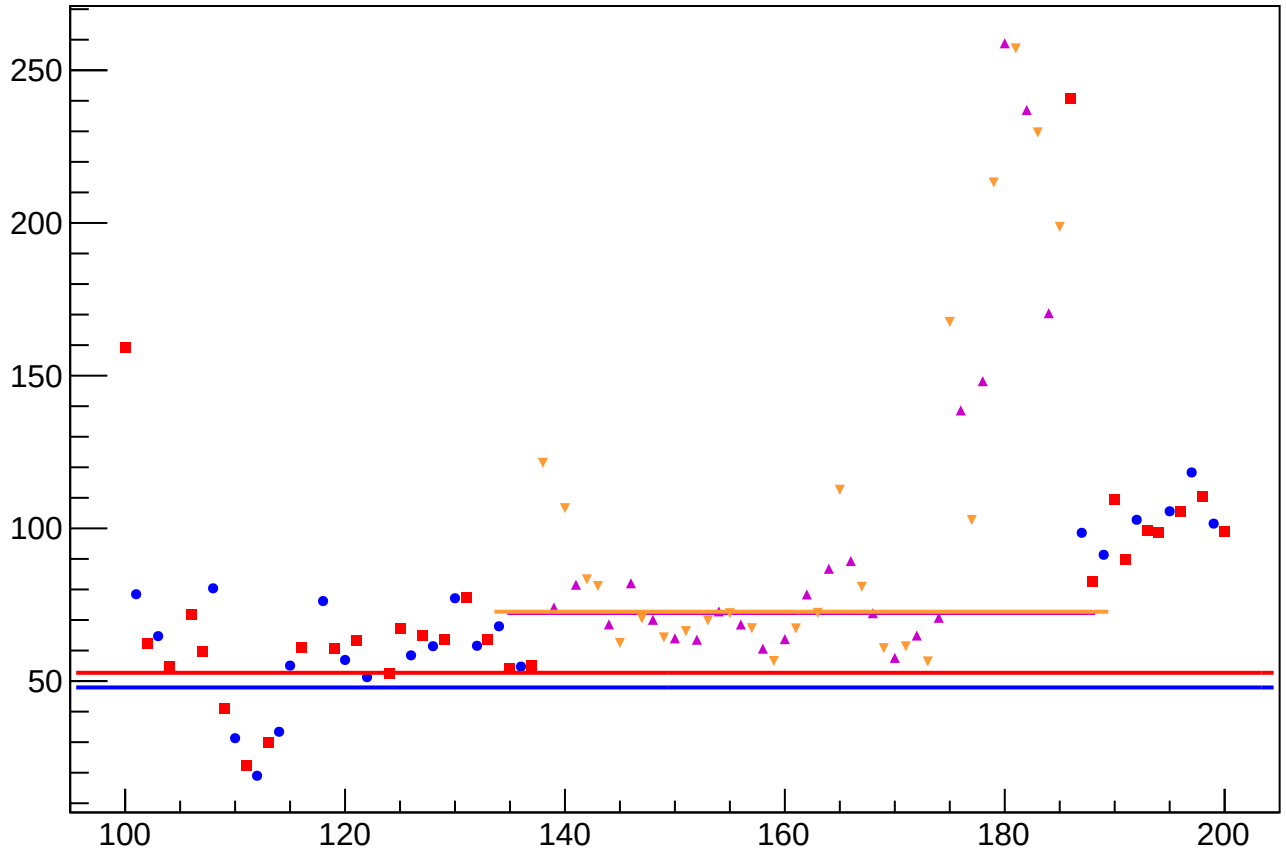
Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.008+/-0.009 χ^2/NDF: 109.7/97

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

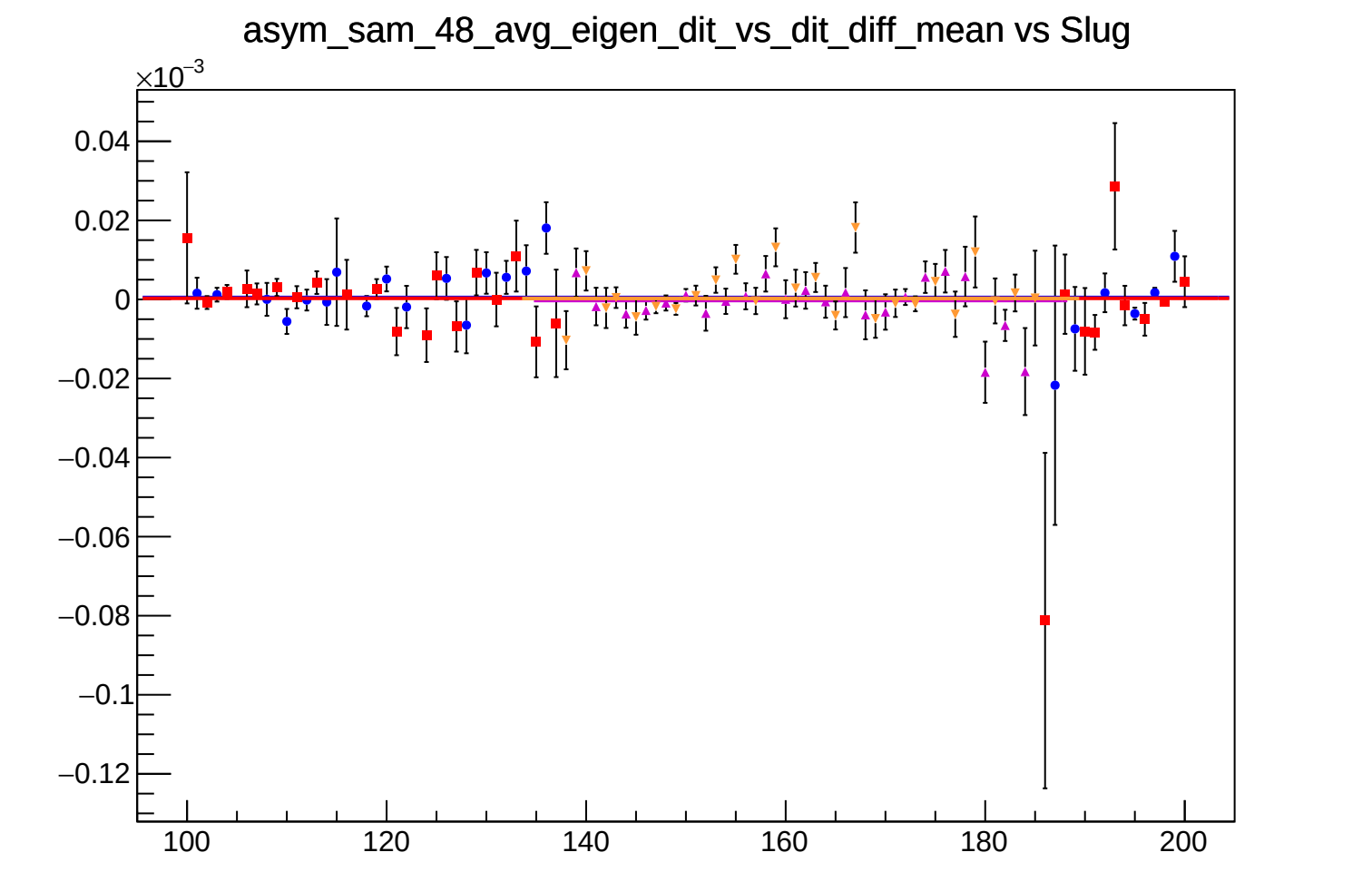
Right Out: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.466+/-0.009 χ^2/NDF: 11646890.7/46

All: 60.473+/-0.006 χ^2/NDF: 21202107.5/97

- sign 61.470+/-0.009 χ^2/NDF: 9528388.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

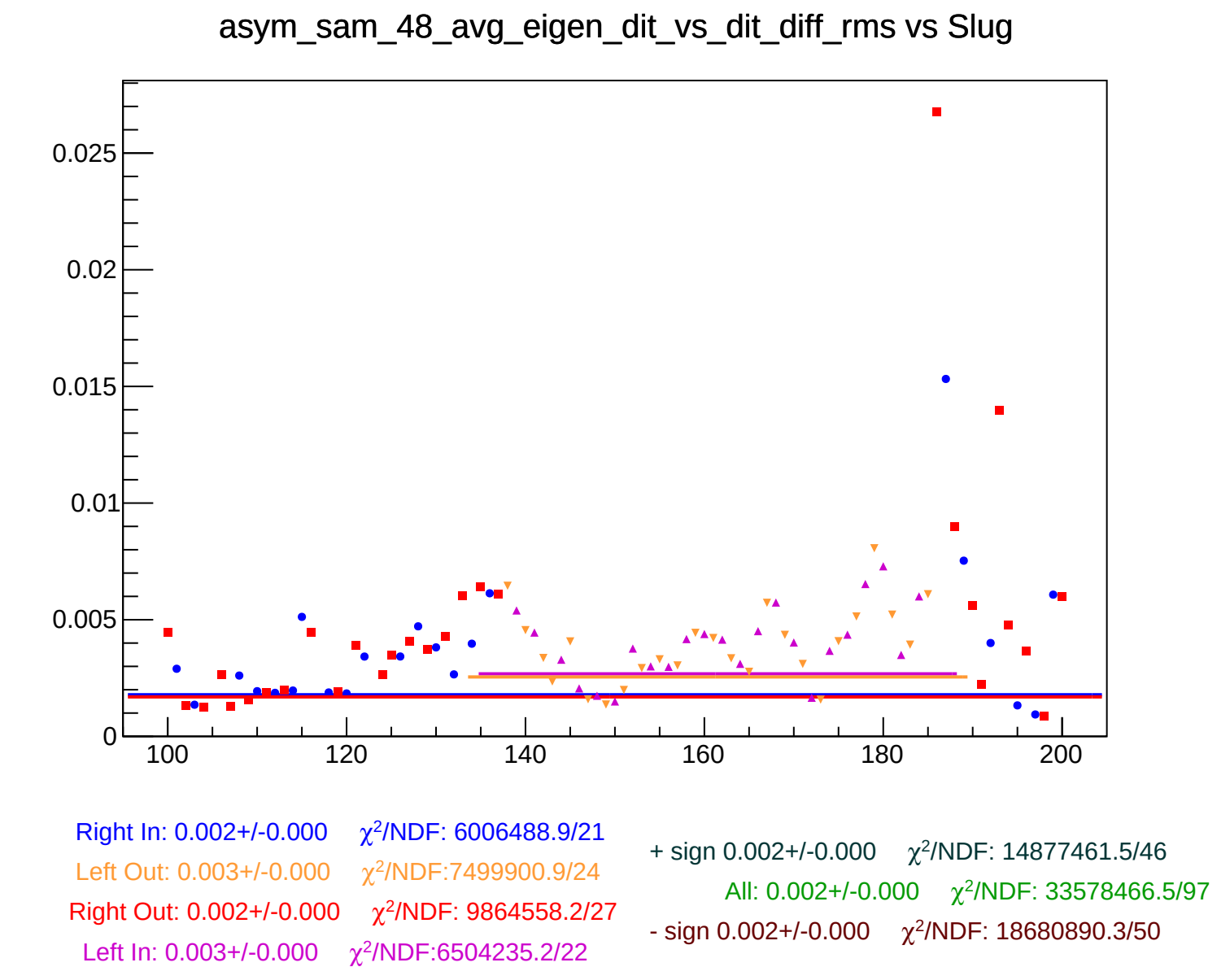
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/27

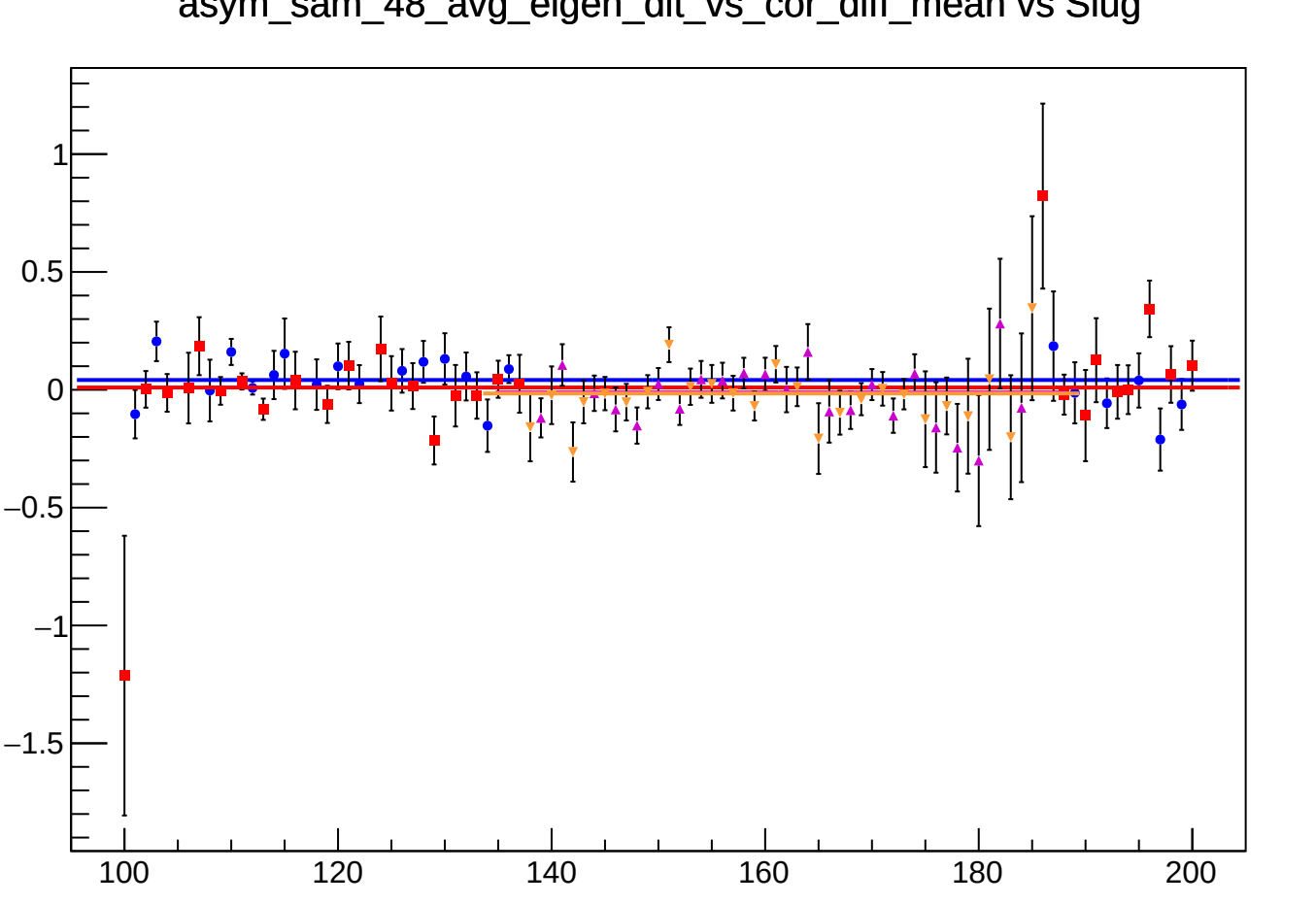
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/46

All: 0.000+/-0.000 χ^2/NDF: 132.2/97

- sign 0.000+/-0.000 χ^2/NDF: 56.2/50


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6006488.9/21
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 9864558.2/27
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 14877461.5/46
All: 0.002+/-0.000 χ²/NDF: 33578466.5/97
- sign 0.002+/-0.000 χ²/NDF: 18680890.3/50



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

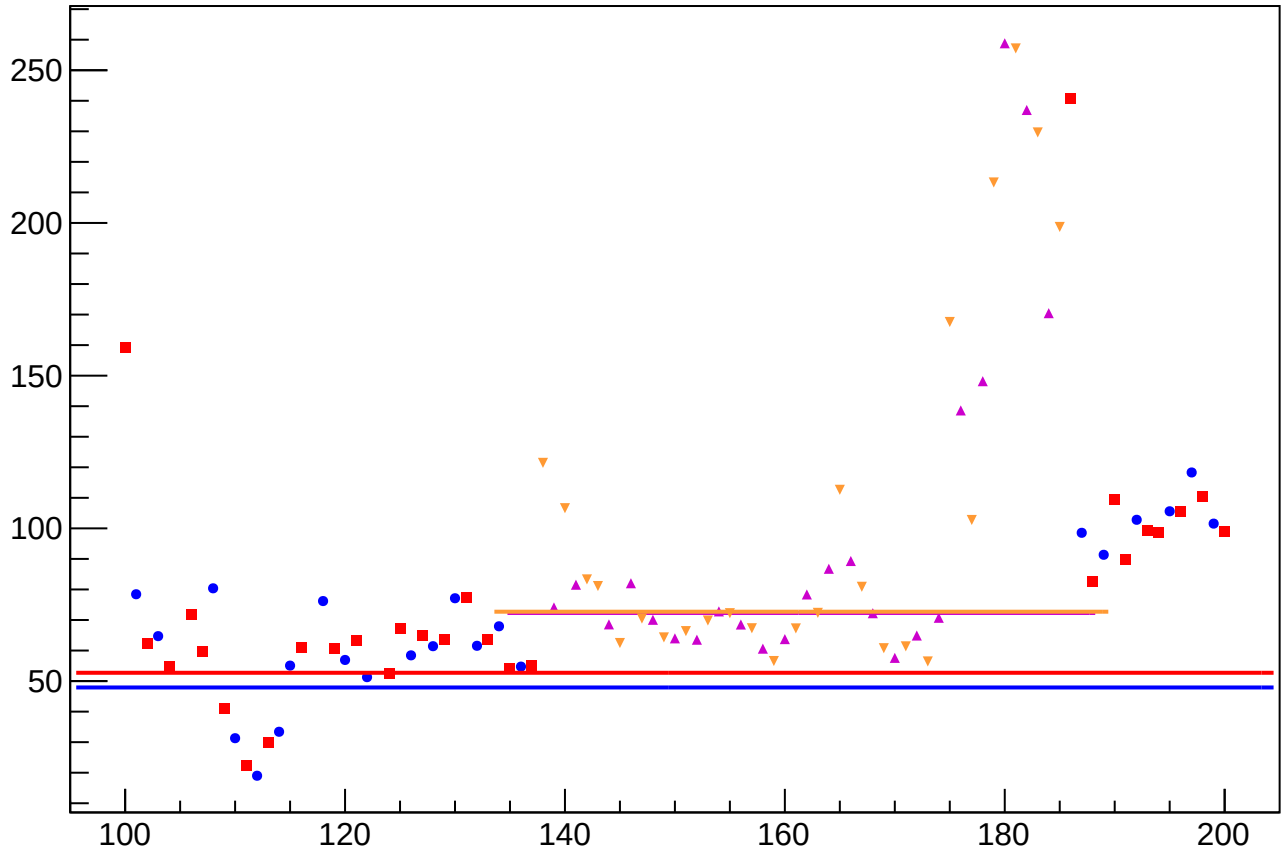
Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.008+/-0.009 χ^2/NDF: 109.7/97

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

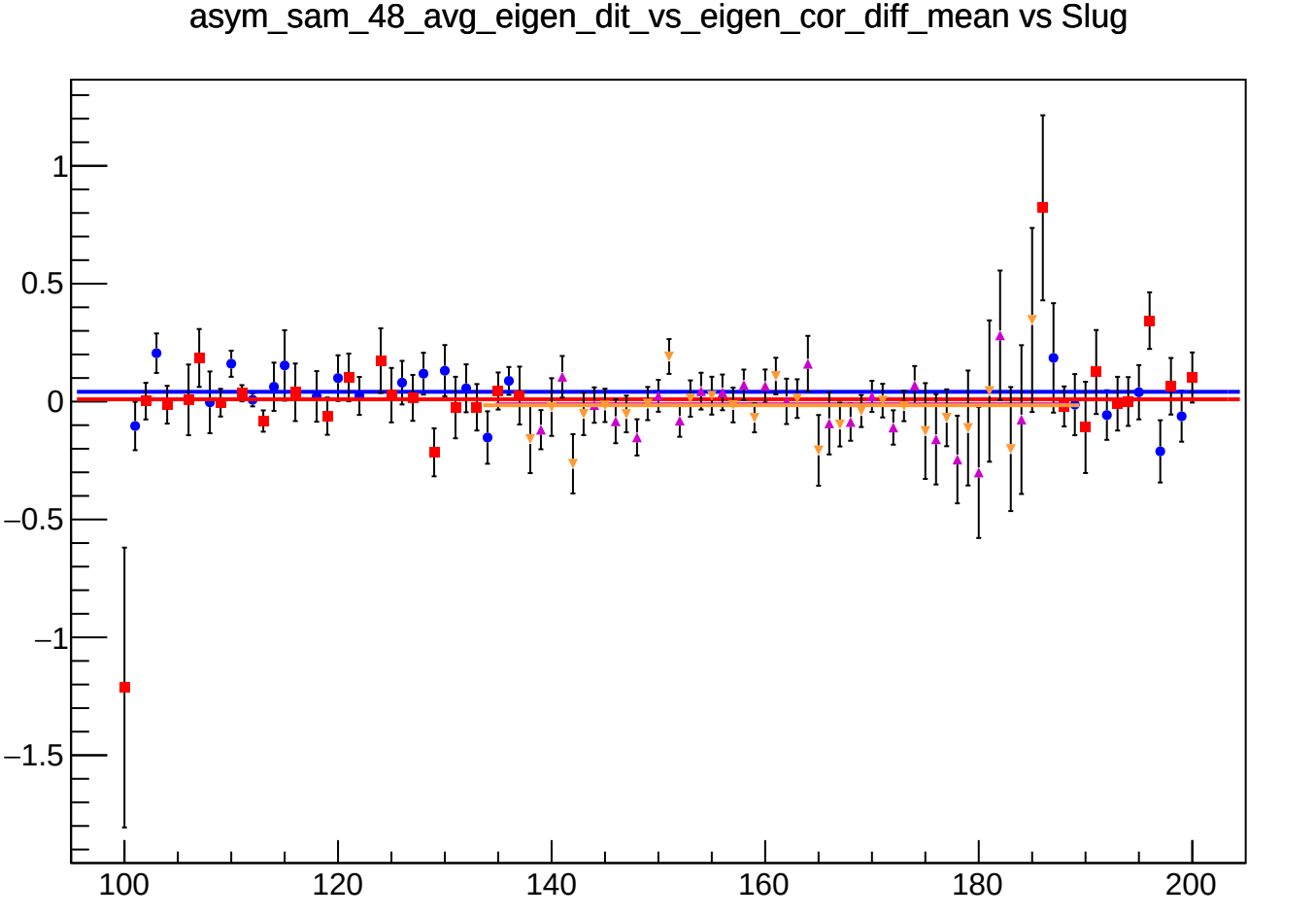
Right Out: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 59.466+/-0.009 χ^2/NDF: 11647317.1/46

All: 60.472+/-0.006 χ^2/NDF: 21202939.0/97

- sign 61.470+/-0.009 χ^2/NDF: 9528790.8/50



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

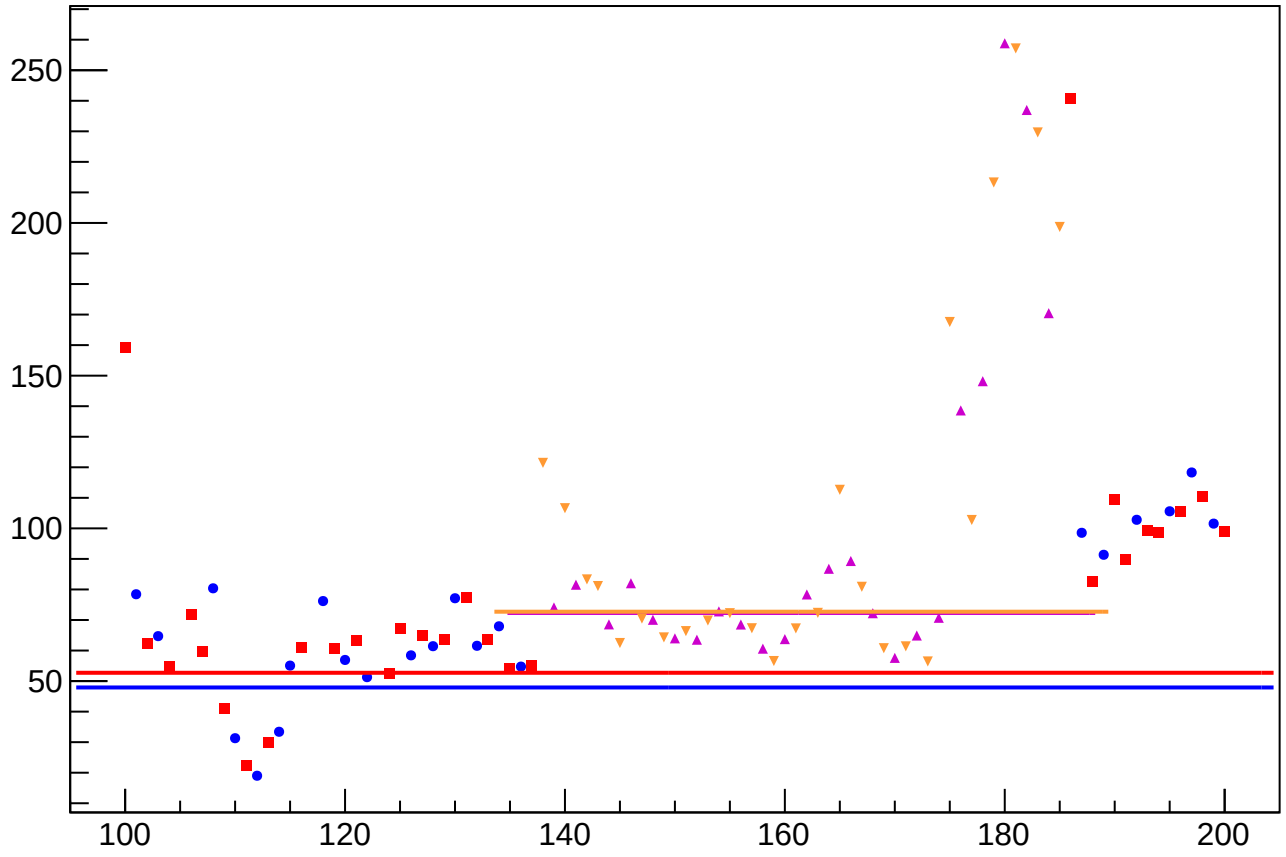
Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.008+/-0.009 χ^2/NDF: 109.7/97

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

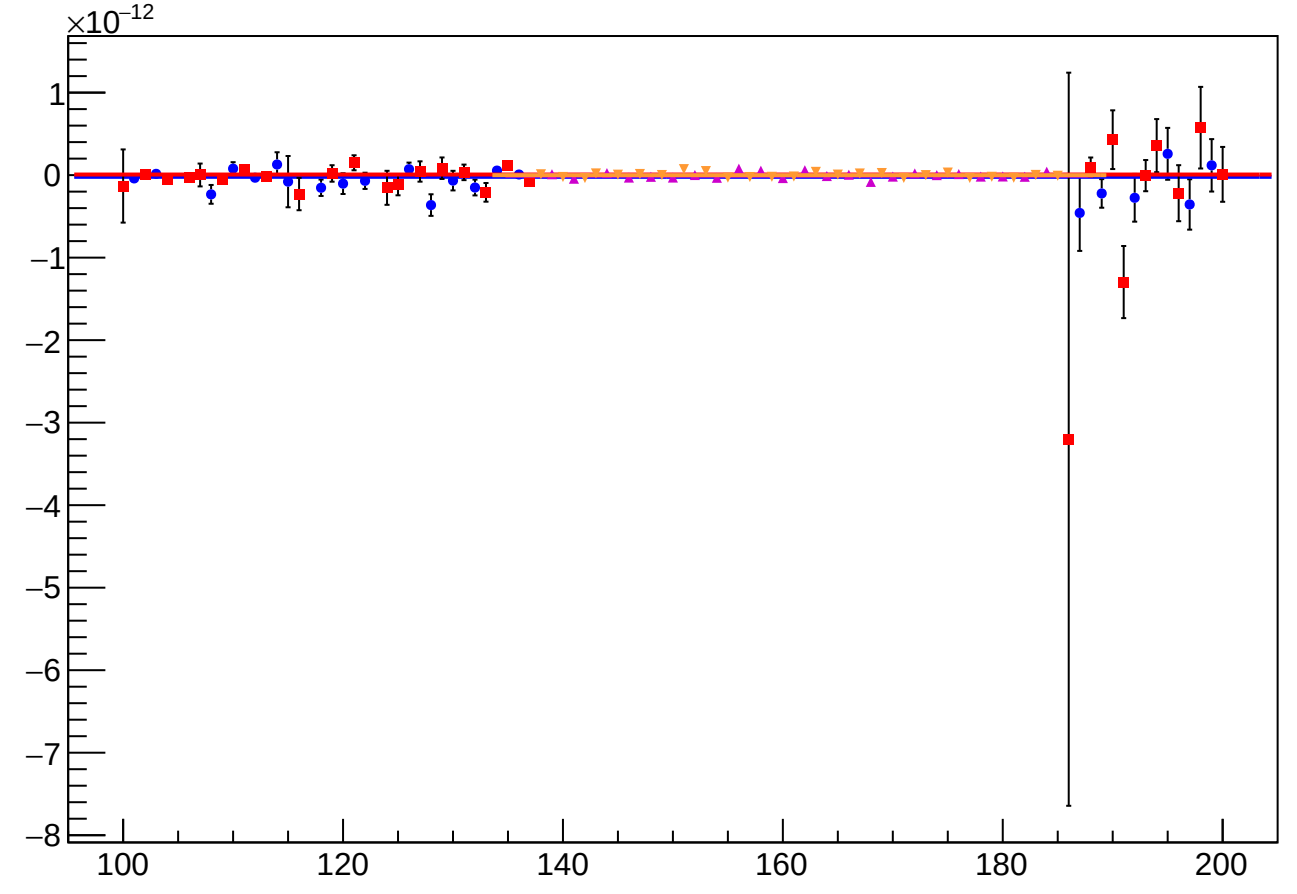
Right Out: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 59.466+/-0.009 χ^2/NDF: 11647317.1/46

All: 60.472+/-0.006 χ^2/NDF: 21202939.0/97

\- sign 61.470+/-0.009 χ^2/NDF: 9528790.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

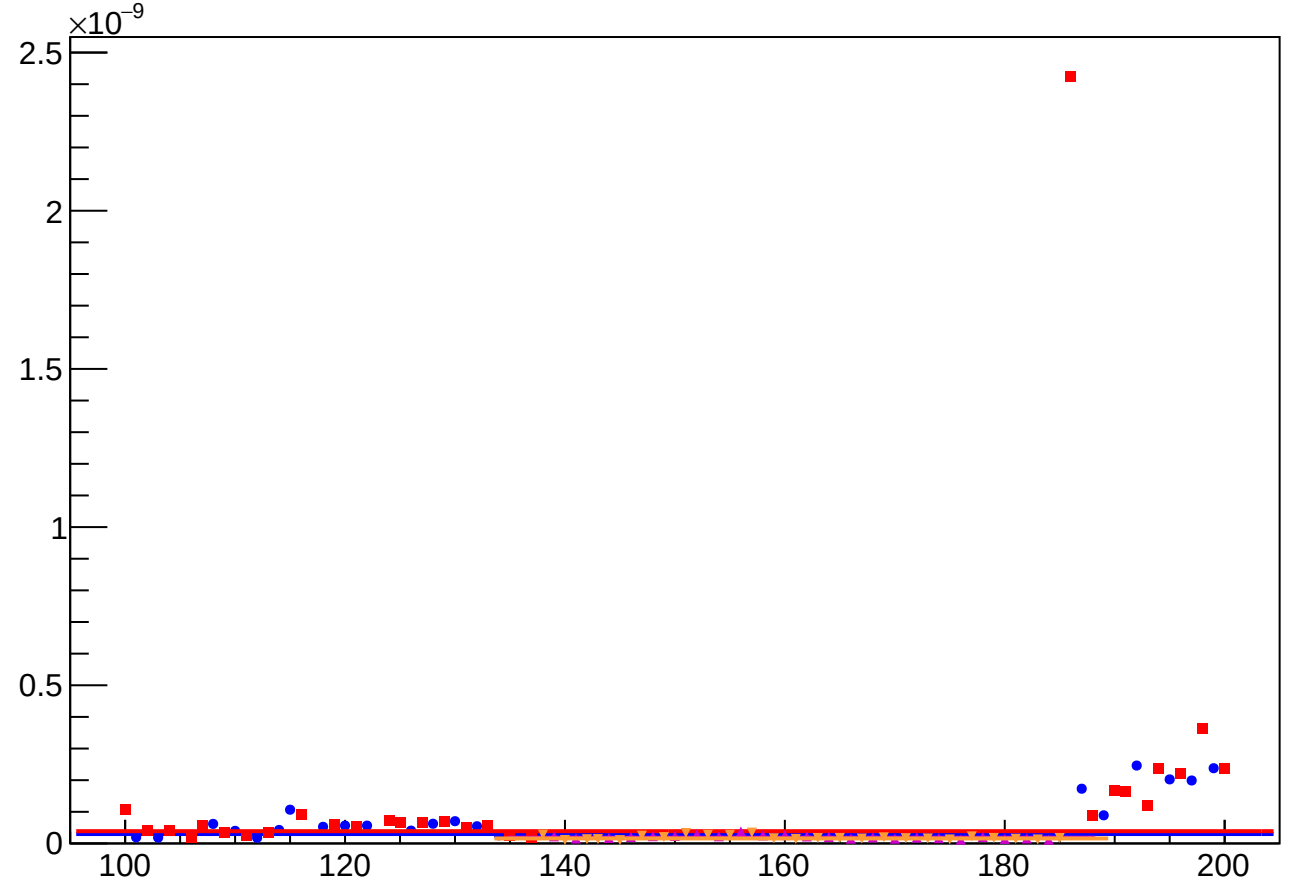
Right Out: 0.000+/-0.000 χ^2/NDF: 37.6/27

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/46

All: -0.000+/-0.000 χ^2/NDF: 134.5/97

- sign -0.000+/-0.000 χ^2/NDF: 76.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 5473021.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6419690.7/27

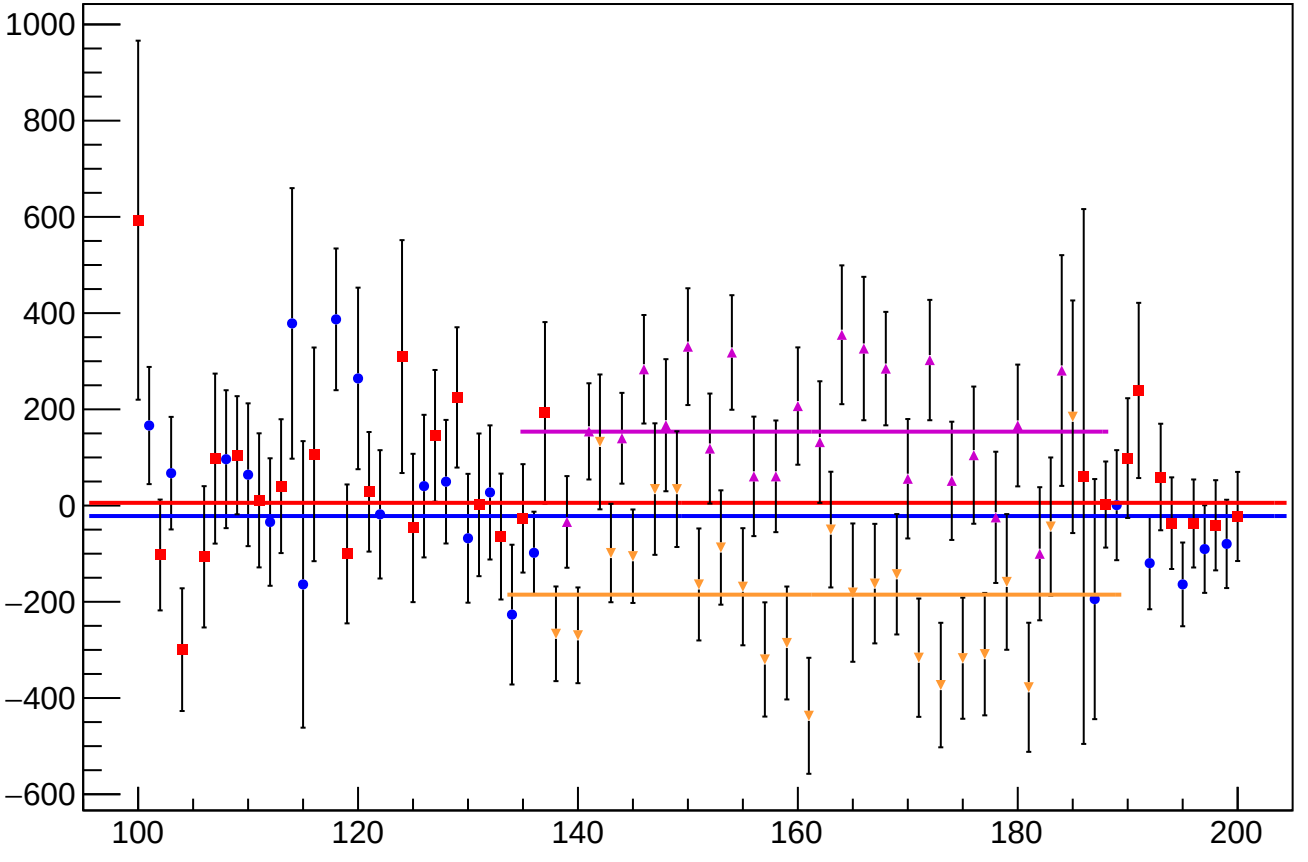
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9526273.5/46

All: 0.000+/-0.000 χ^2/NDF: 20844549.6/97

- sign 0.000+/-0.000 χ^2/NDF: 10927639.9/50

reg_asym_sam_15_dd_mean vs Slug



Right In: -21.762+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 5.685+/-24.544 χ^2/NDF: 21.0/27

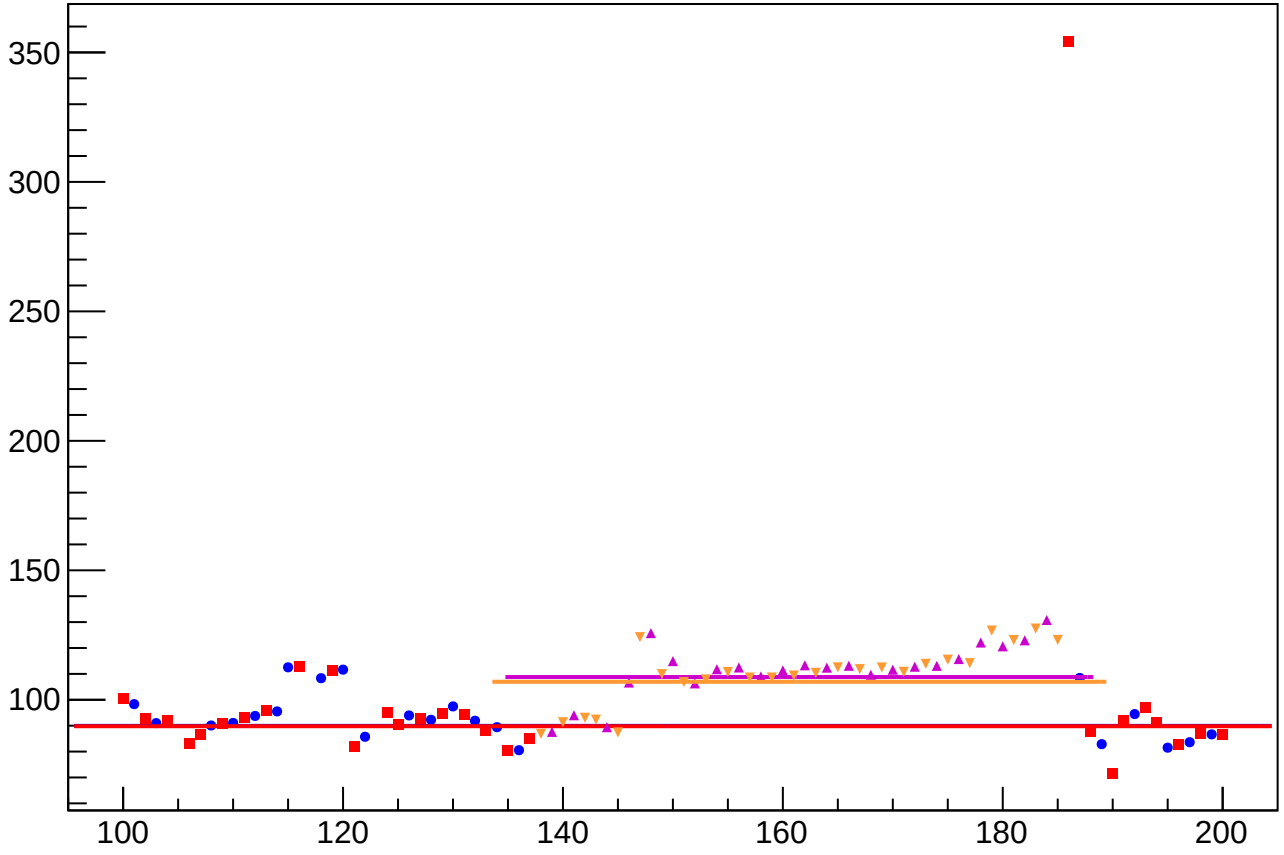
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -110.229+/-17.993 χ^2/NDF: 78.5/46

All: -15.199+/-12.617 χ^2/NDF: 195.3/97

- sign 76.721+/-17.696 χ^2/NDF: 61.9/50

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.791+/-0.017 χ^2/NDF: 631668.1/27

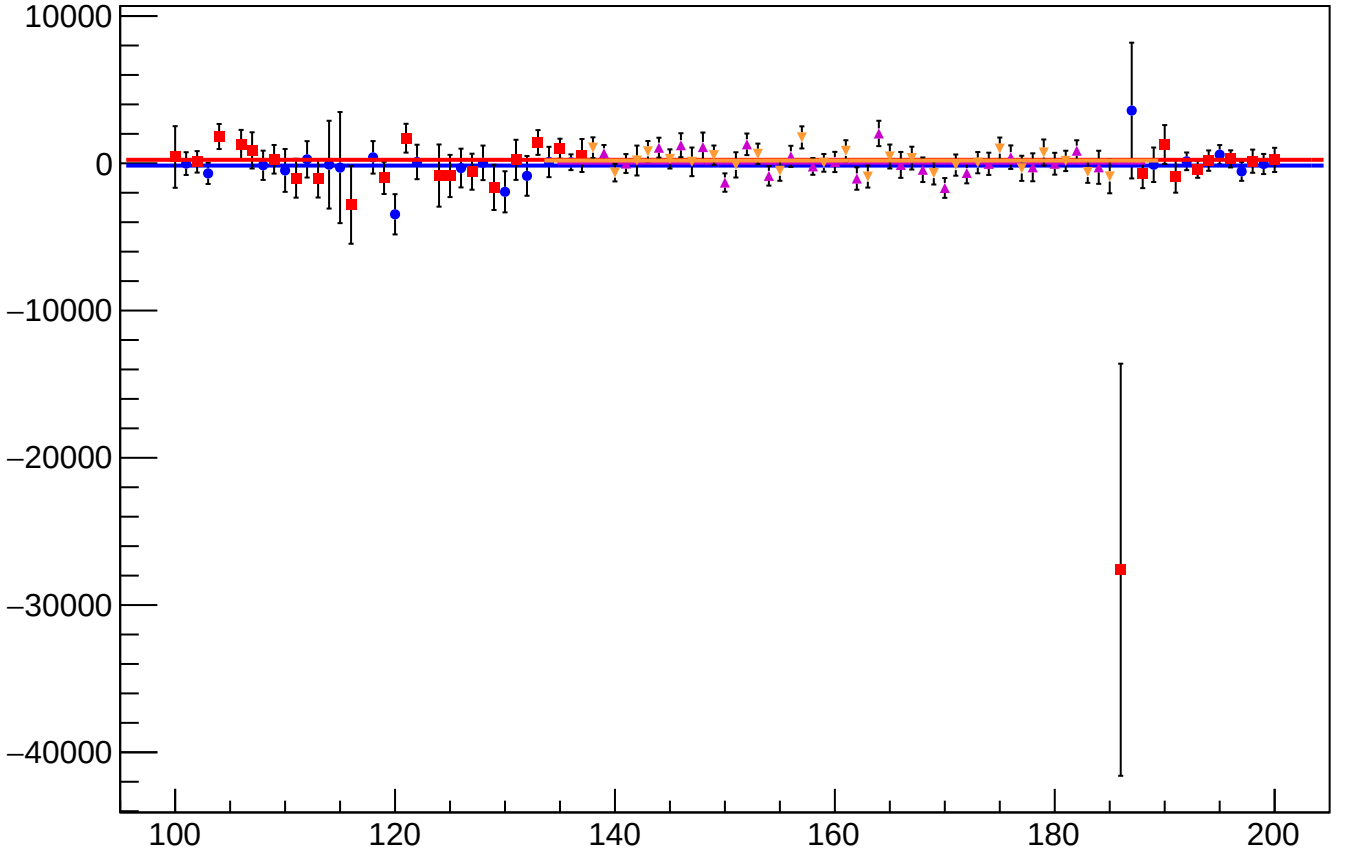
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.025+/-0.009 χ^2/NDF: 2644922.8/97

- sign 98.909+/-0.013 χ^2/NDF: 1564961.2/50

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -154.857+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 236.707+/-183.129 χ^2/NDF: 25.5/27

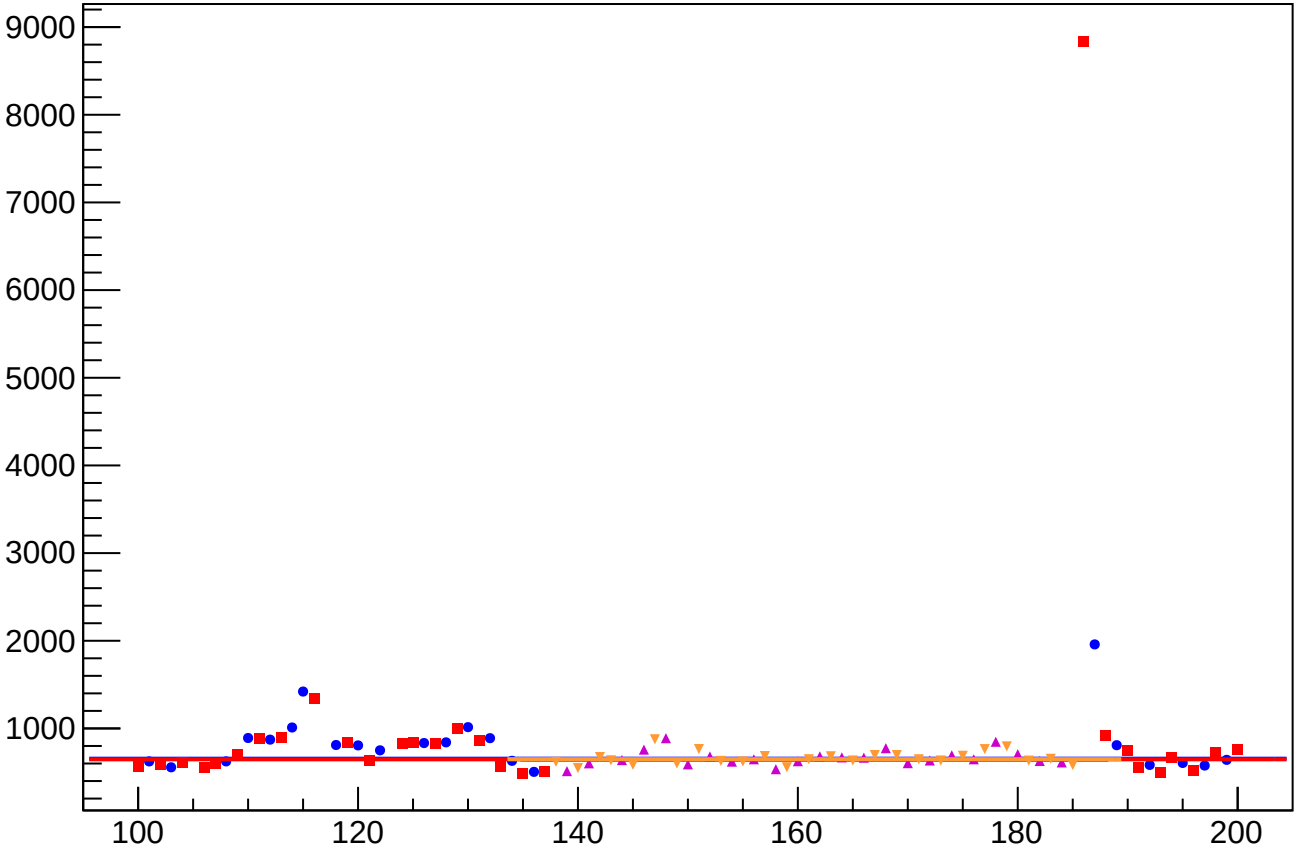
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 63.844+/-119.126 χ^2/NDF: 32.6/46

All: 93.550+/-83.468 χ^2/NDF: 92.7/97

- sign 122.198+/-116.987 χ^2/NDF: 59.9/50

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.7/21

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 647.629+/-0.129 χ^2/NDF: 1950664.2/27

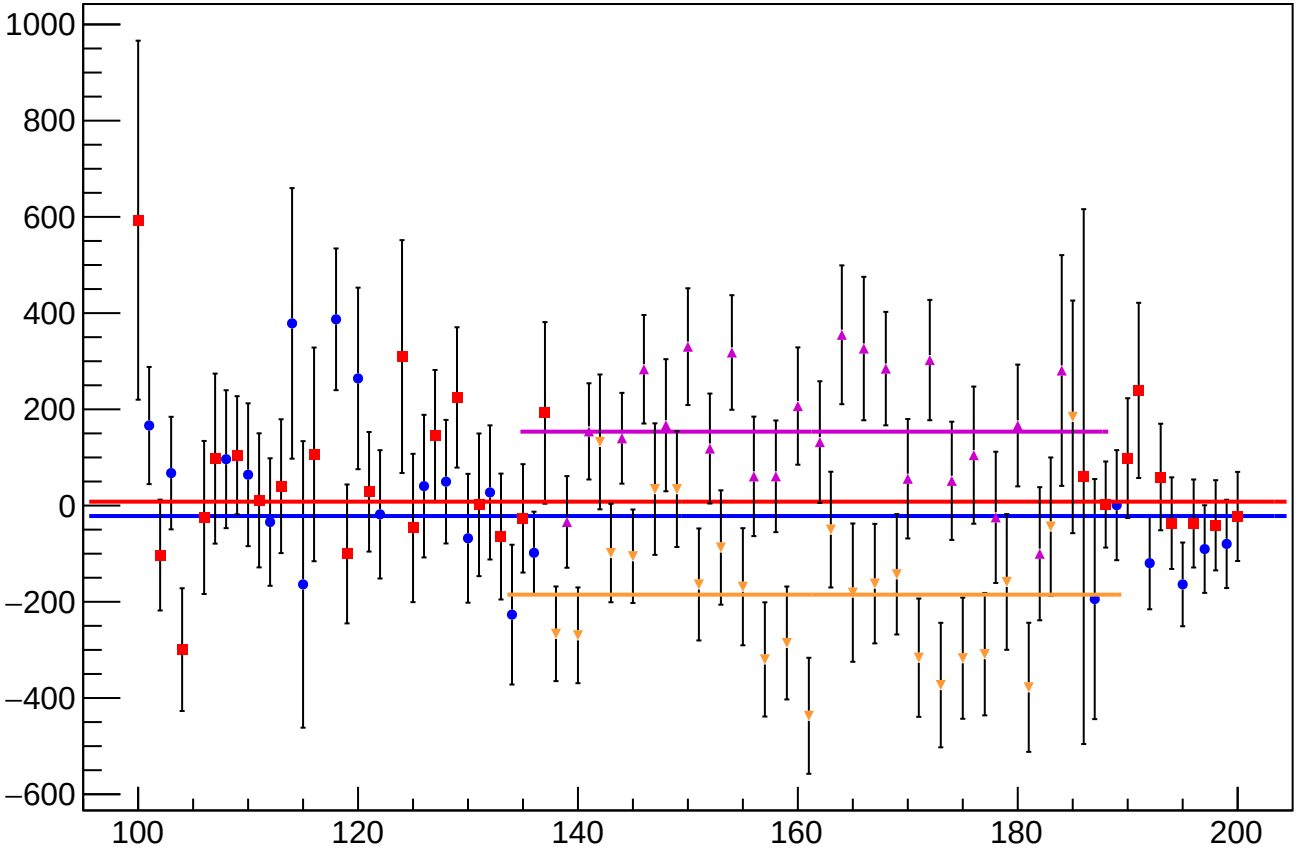
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 651.257+/-0.084 χ^2/NDF: 1468856.7/46

All: 648.338+/-0.059 χ^2/NDF: 3981445.9/97

- sign 645.524+/-0.083 χ^2/NDF: 2510230.5/50

cor_asym_sam_15_dd_mean vs Slug



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 8.105+/-24.595 χ^2/NDF: 20.4/27

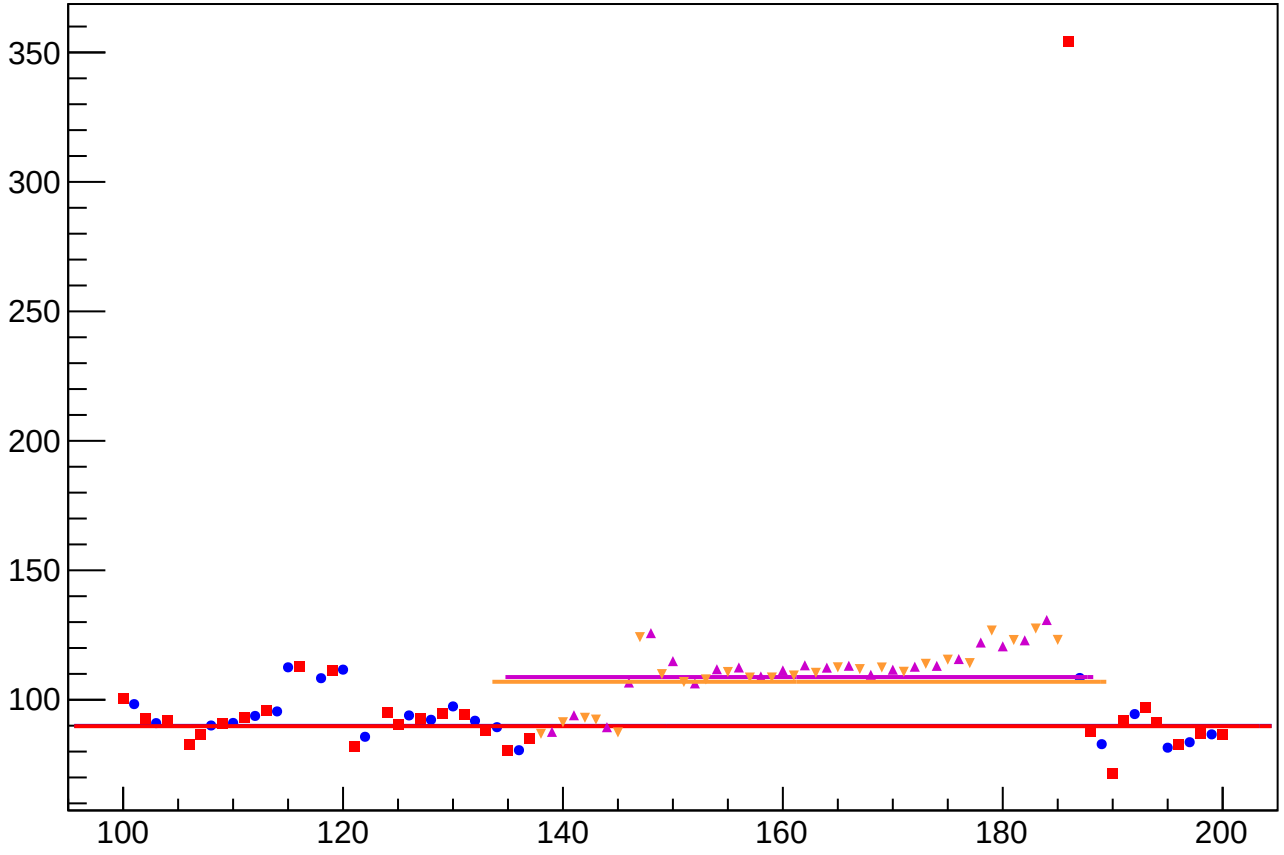
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.227+/-17.993 χ^2/NDF: 78.5/46

All: -14.582+/-12.624 χ^2/NDF: 194.9/97

- sign 78.132+/-17.715 χ^2/NDF: 60.8/50

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.805+/-0.017 χ^2/NDF: 631665.4/27

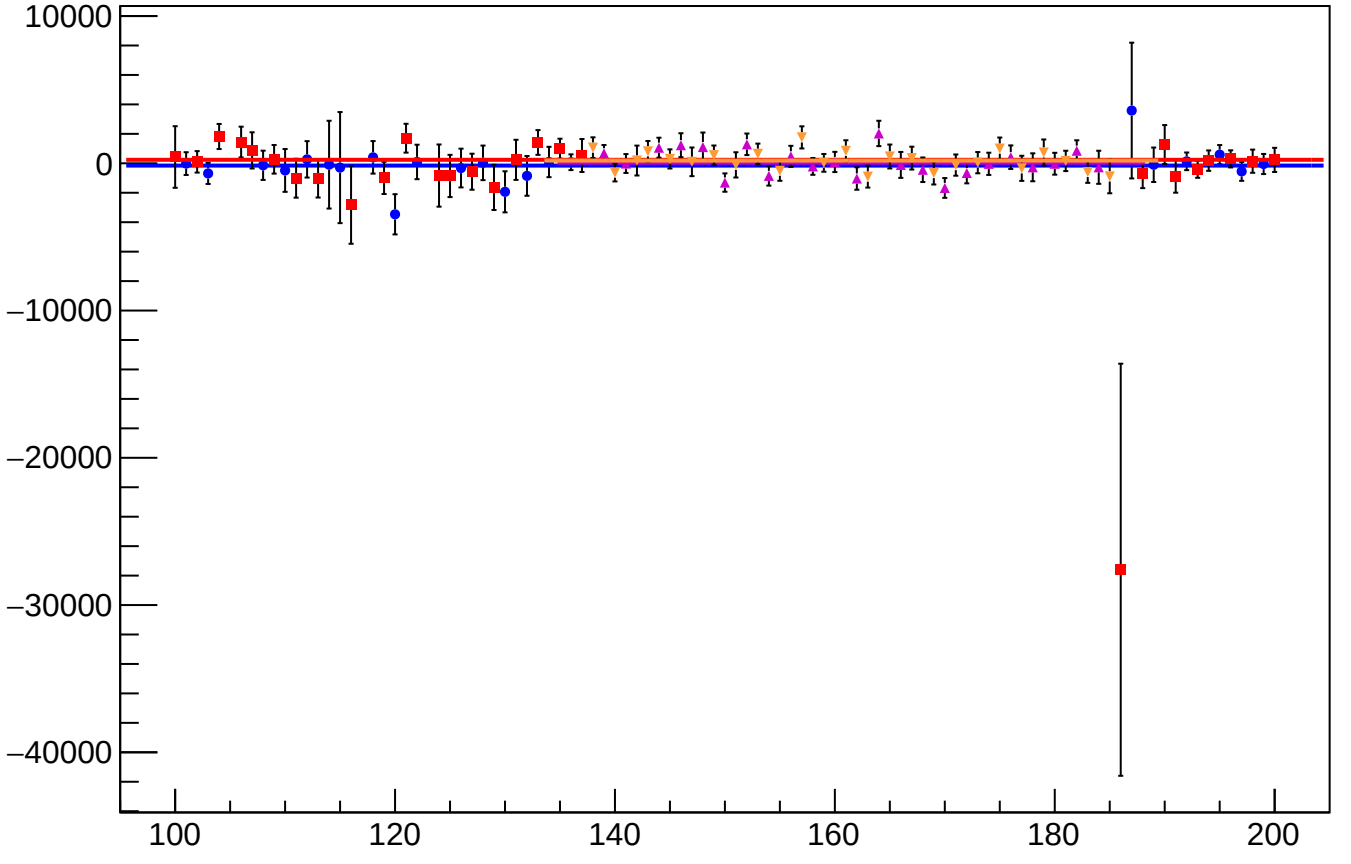
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.039+/-0.009 χ^2/NDF: 2642872.4/97

- sign 98.936+/-0.013 χ^2/NDF: 1562948.7/50

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.950+/-183.458 χ^2/NDF: 25.7/27

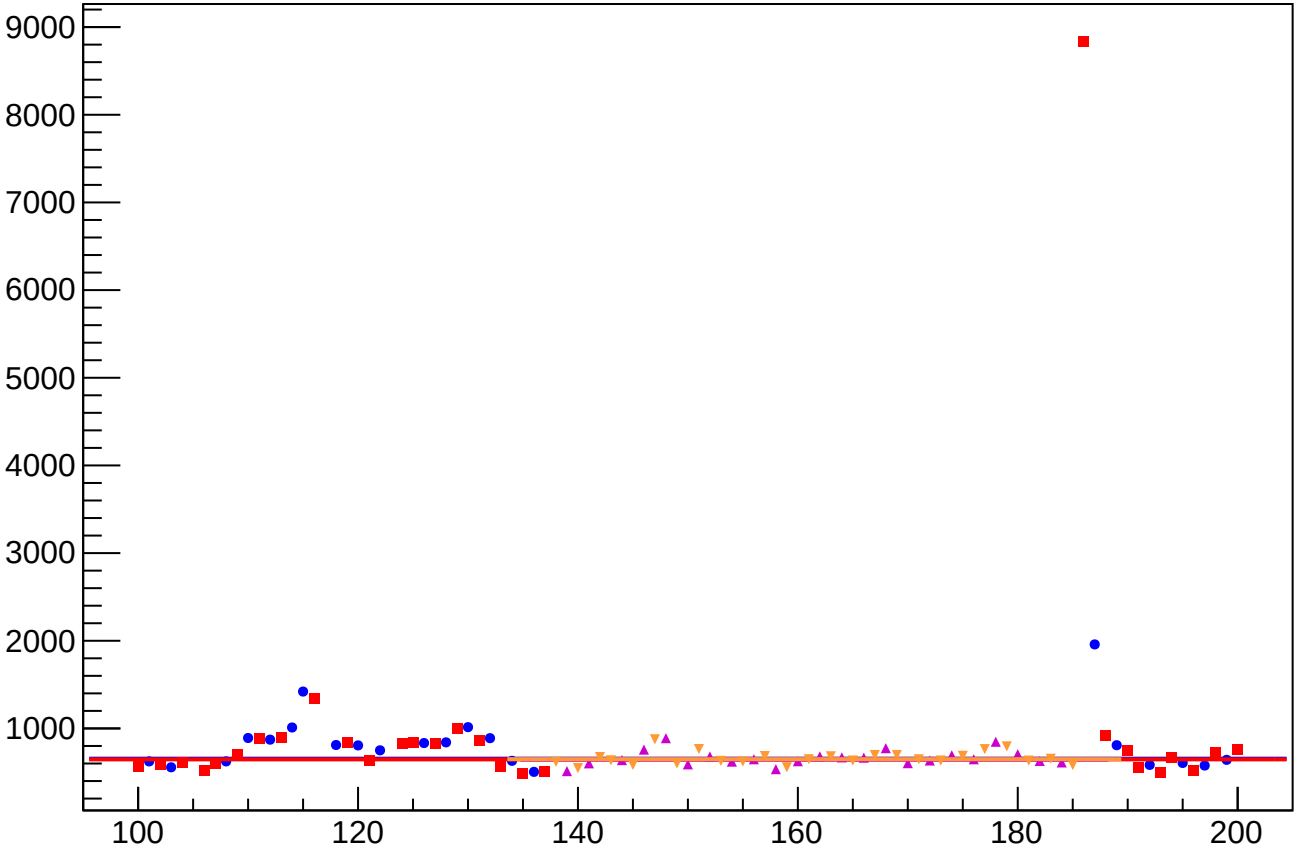
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 63.840+/-119.126 χ^2/NDF: 32.6/46

All: 93.700+/-83.500 χ^2/NDF: 92.9/97

- sign 122.538+/-117.073 χ^2/NDF: 60.1/50

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

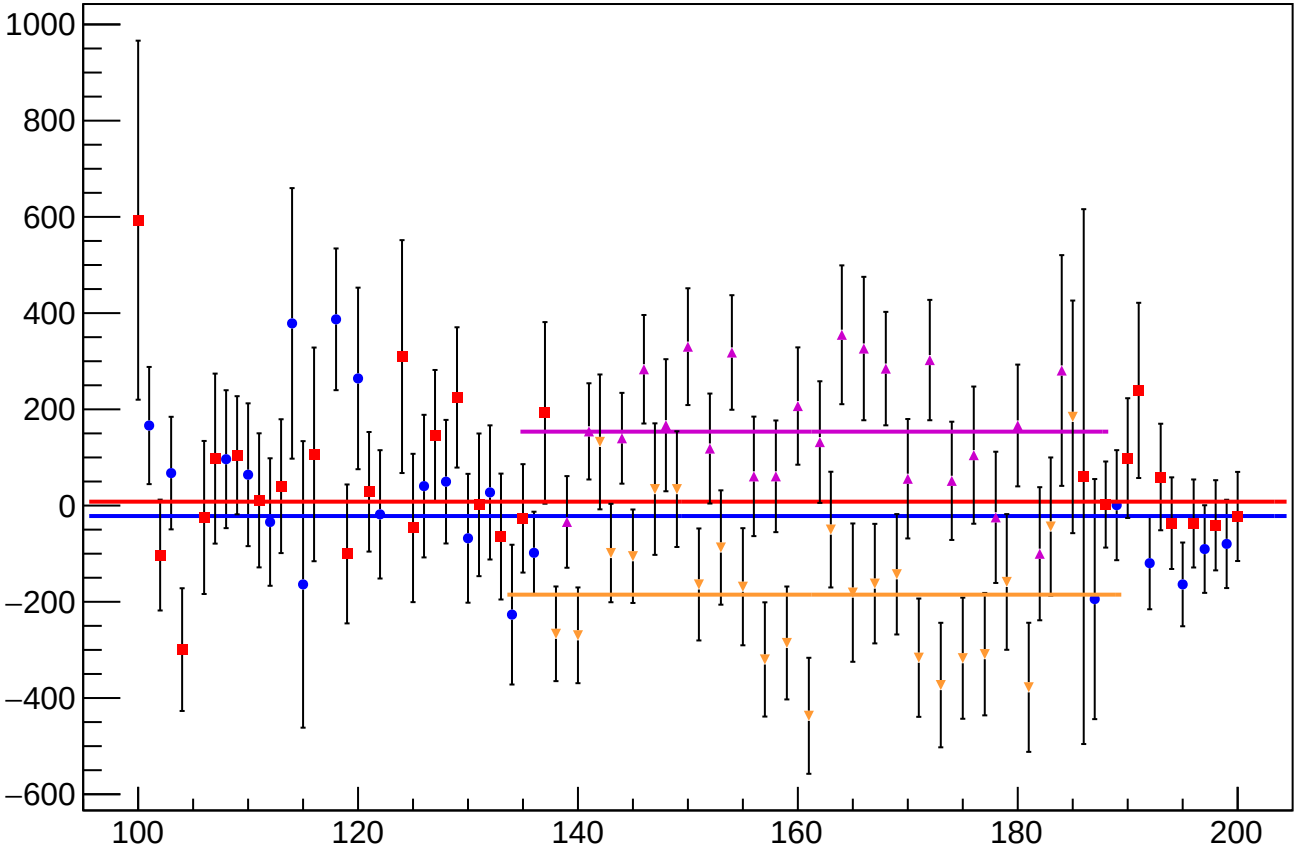
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

\+ sign 651.257+/-0.084 χ^2/NDF: 1468857.6/46

All: 648.233+/-0.059 χ^2/NDF: 3990858.4/97

\- sign 645.312+/-0.083 χ^2/NDF: 2519466.6/50

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 8.105+/-24.595 χ^2/NDF: 20.4/27

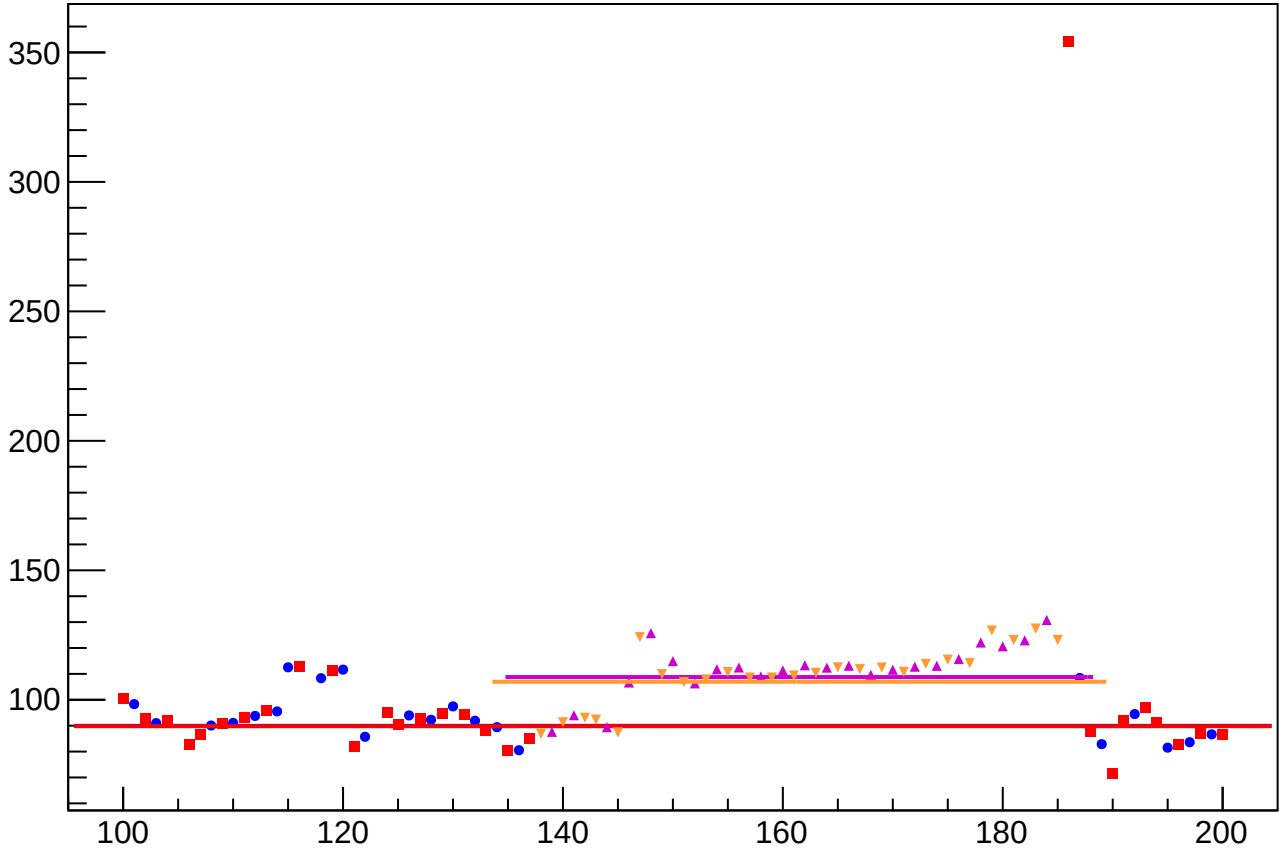
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.227+/-17.993 χ^2/NDF: 78.5/46

All: -14.582+/-12.624 χ^2/NDF: 194.9/97

- sign 78.132+/-17.715 χ^2/NDF: 60.8/50

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

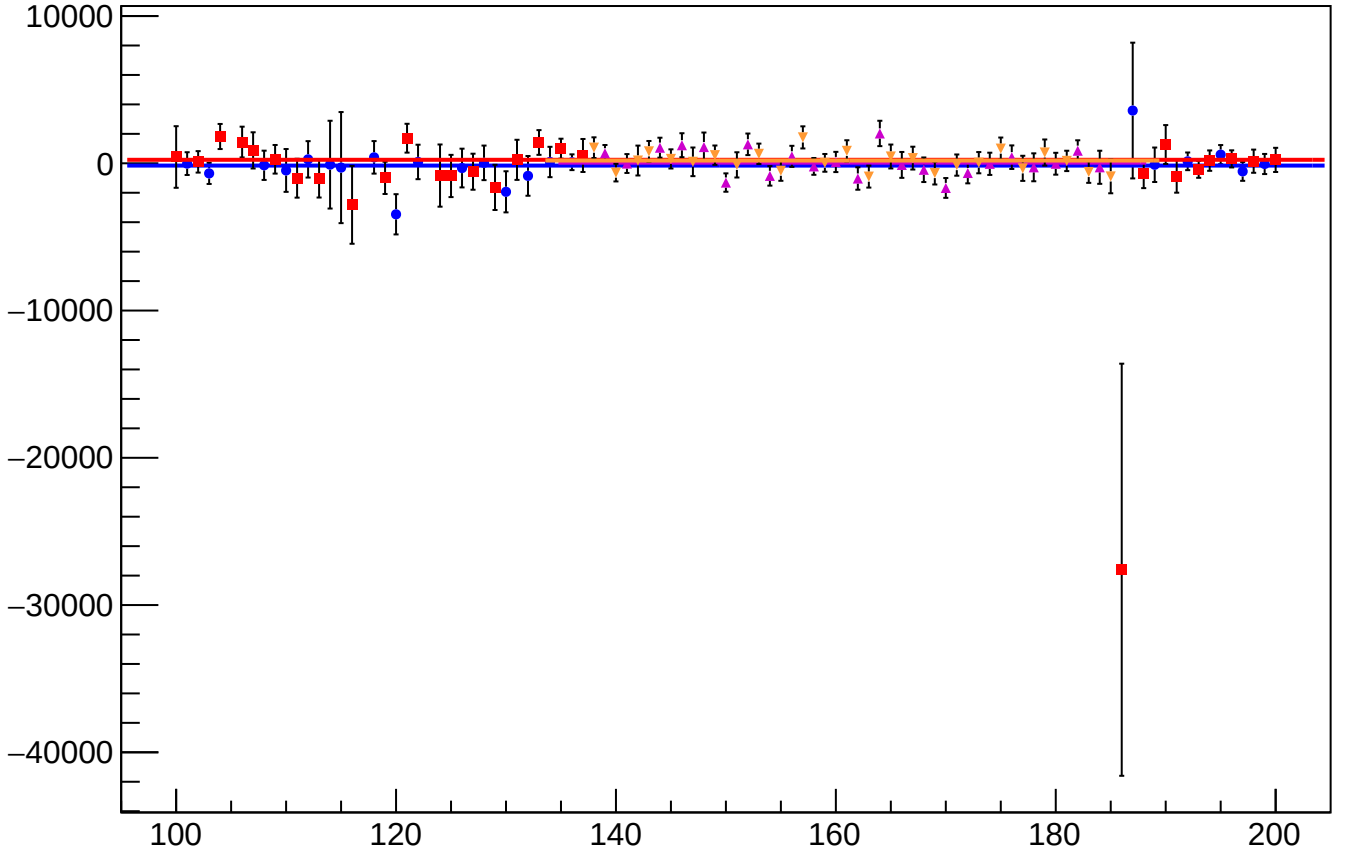
Right Out: 89.805+/-0.017 χ^2/NDF: 631665.4/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.039+/-0.009 χ^2/NDF: 2642872.4/97

- sign 98.936+/-0.013 χ^2/NDF: 1562948.7/50



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.950+/-183.458 χ^2/NDF: 25.7/27

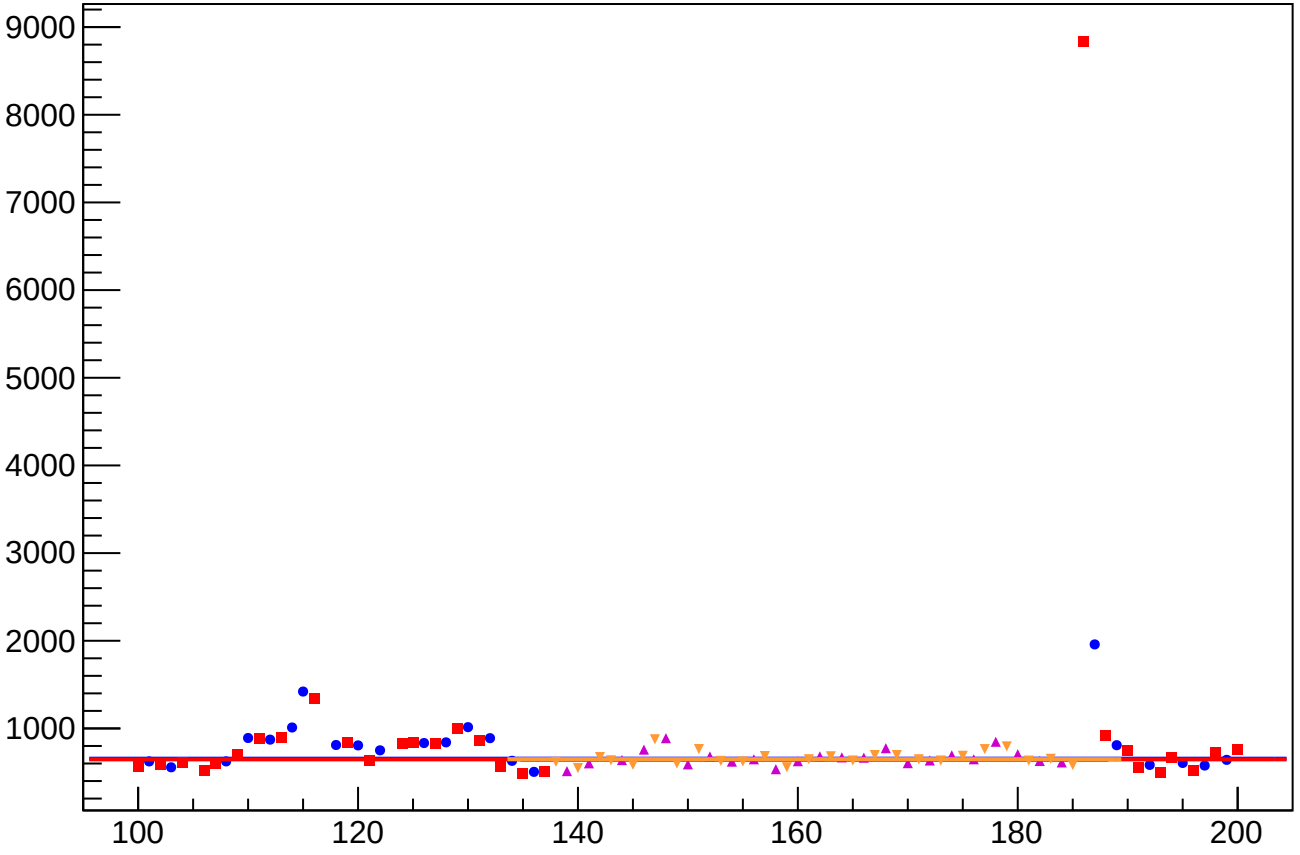
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 63.840+/-119.126 χ^2/NDF: 32.6/46

All: 93.700+/-83.500 χ^2/NDF: 92.9/97

- sign 122.538+/-117.073 χ^2/NDF: 60.1/50

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

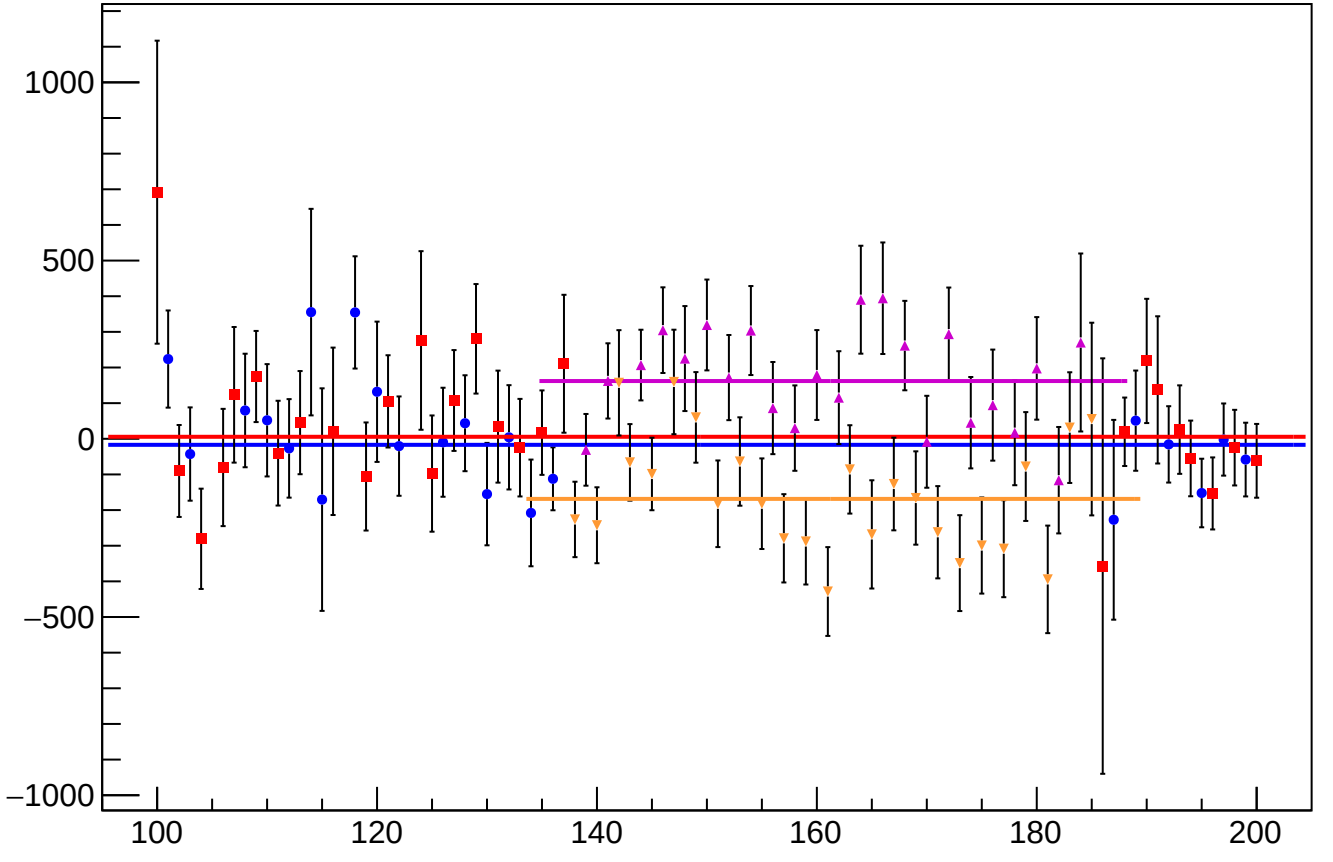
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

\+ sign 651.257+/-0.084 χ^2/NDF: 1468857.6/46

All: 648.233+/-0.059 χ^2/NDF: 3990858.4/97

\- sign 645.312+/-0.083 χ^2/NDF: 2519466.6/50

dit_asym_sam_15_dd_mean vs Slug



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 5.634+/-26.758 χ^2/NDF: 23.1/27

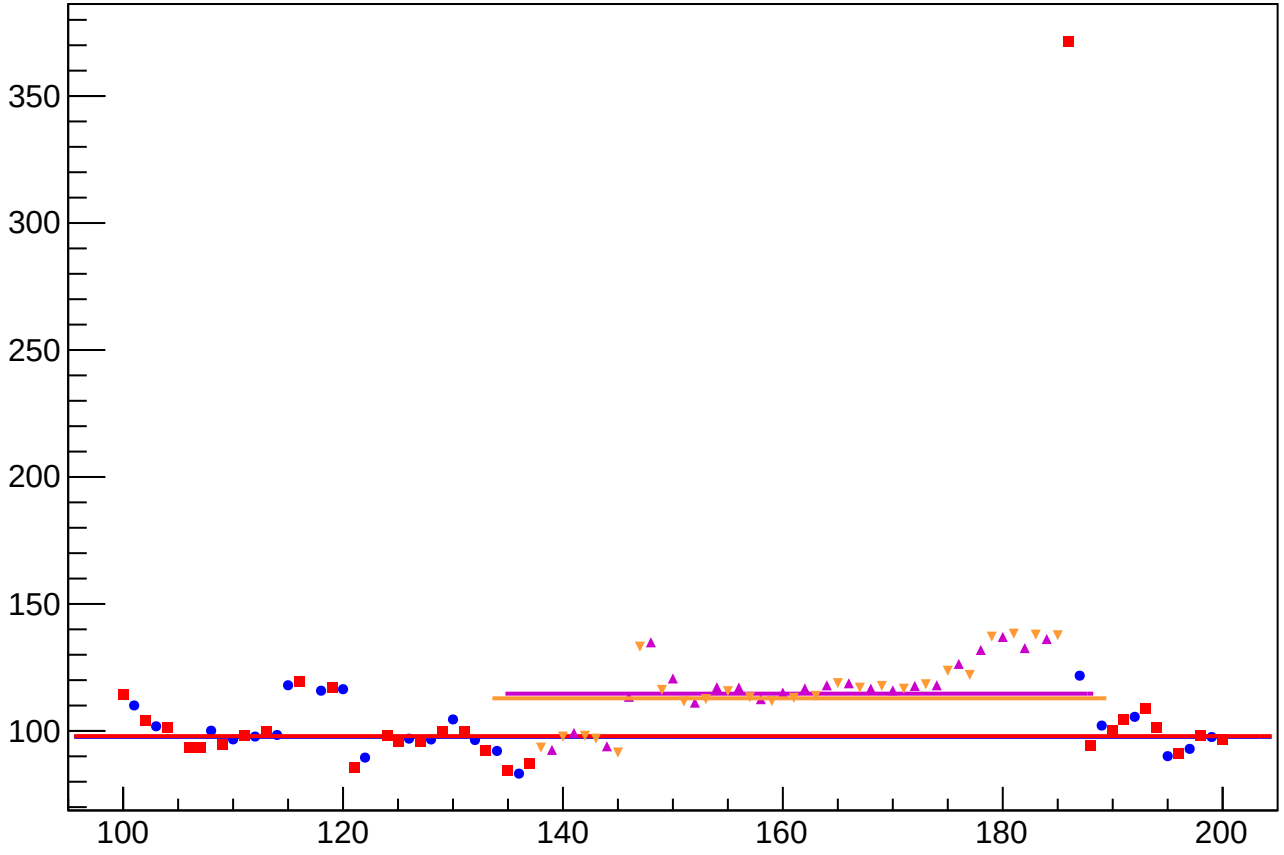
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -101.214+/-19.245 χ^2/NDF: 66.4/46

All: -7.725+/-13.516 χ^2/NDF: 176.6/97

- sign 83.280+/-18.987 χ^2/NDF: 63.7/50

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.665+/-0.020 χ^2/NDF: 185115.0/21

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.948+/-0.019 χ^2/NDF: 588893.4/27

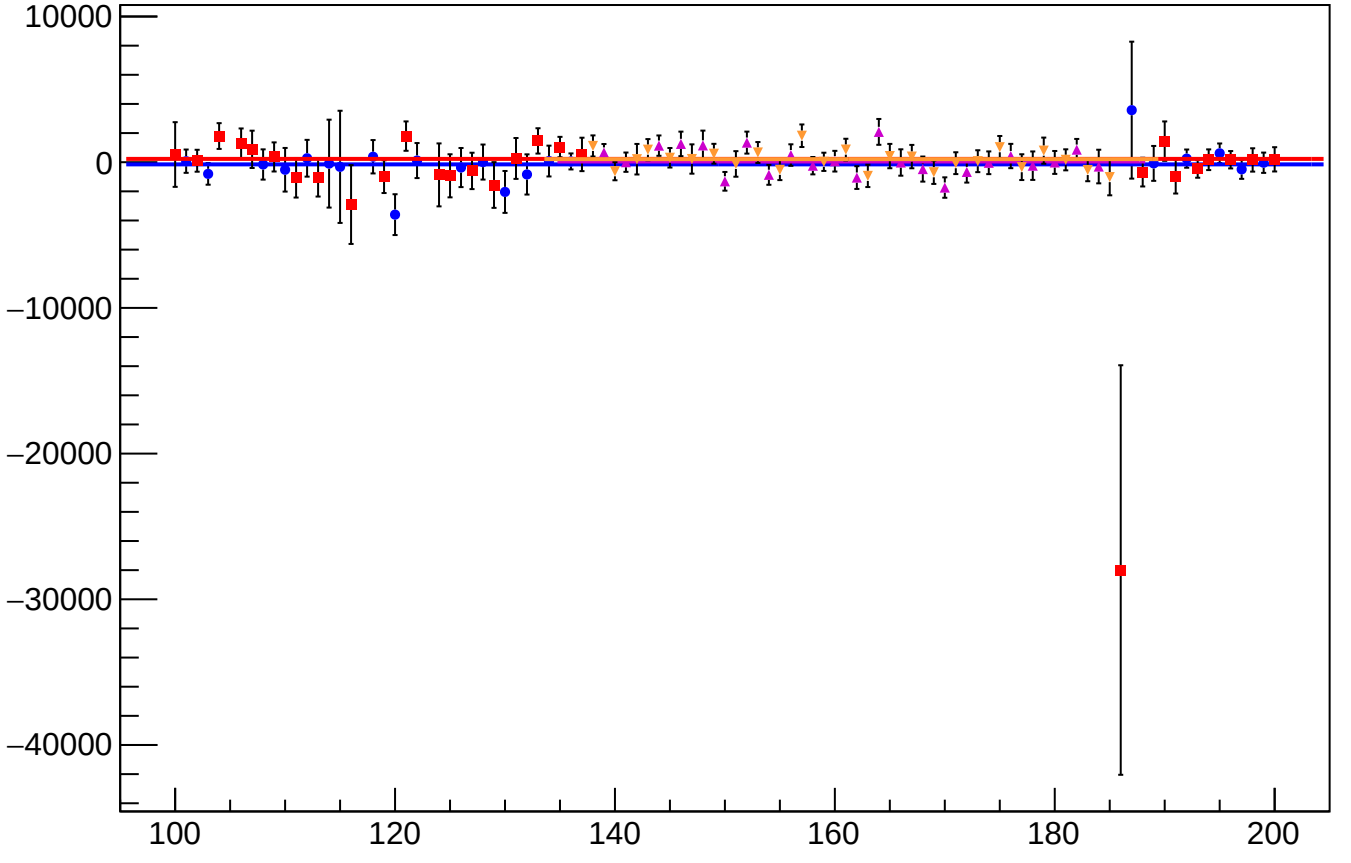
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.101+/-0.014 χ^2/NDF: 1004808.7/46

All: 106.178+/-0.010 χ^2/NDF: 2391787.9/97

- sign 106.254+/-0.013 χ^2/NDF: 1386915.4/50

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 227.734+/-188.885 χ^2/NDF: 25.4/27

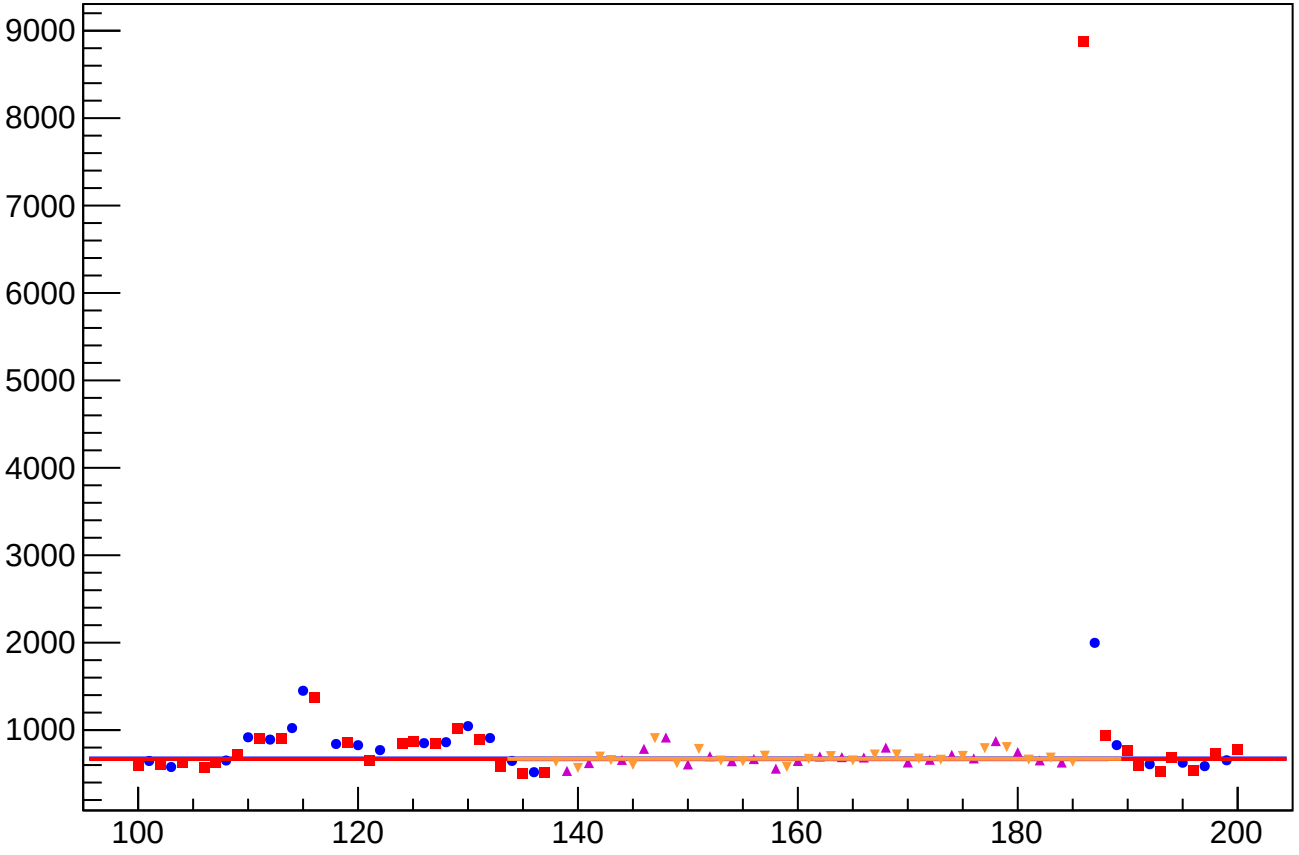
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 79.956+/-123.001 χ^2/NDF: 33.0/46

All: 101.860+/-86.243 χ^2/NDF: 92.3/97

- sign 123.043+/-120.958 χ^2/NDF: 59.3/50

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 674.739+/-0.145 χ^2/NDF: 1032285.6/21

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 669.230+/-0.134 χ^2/NDF: 1879129.2/27

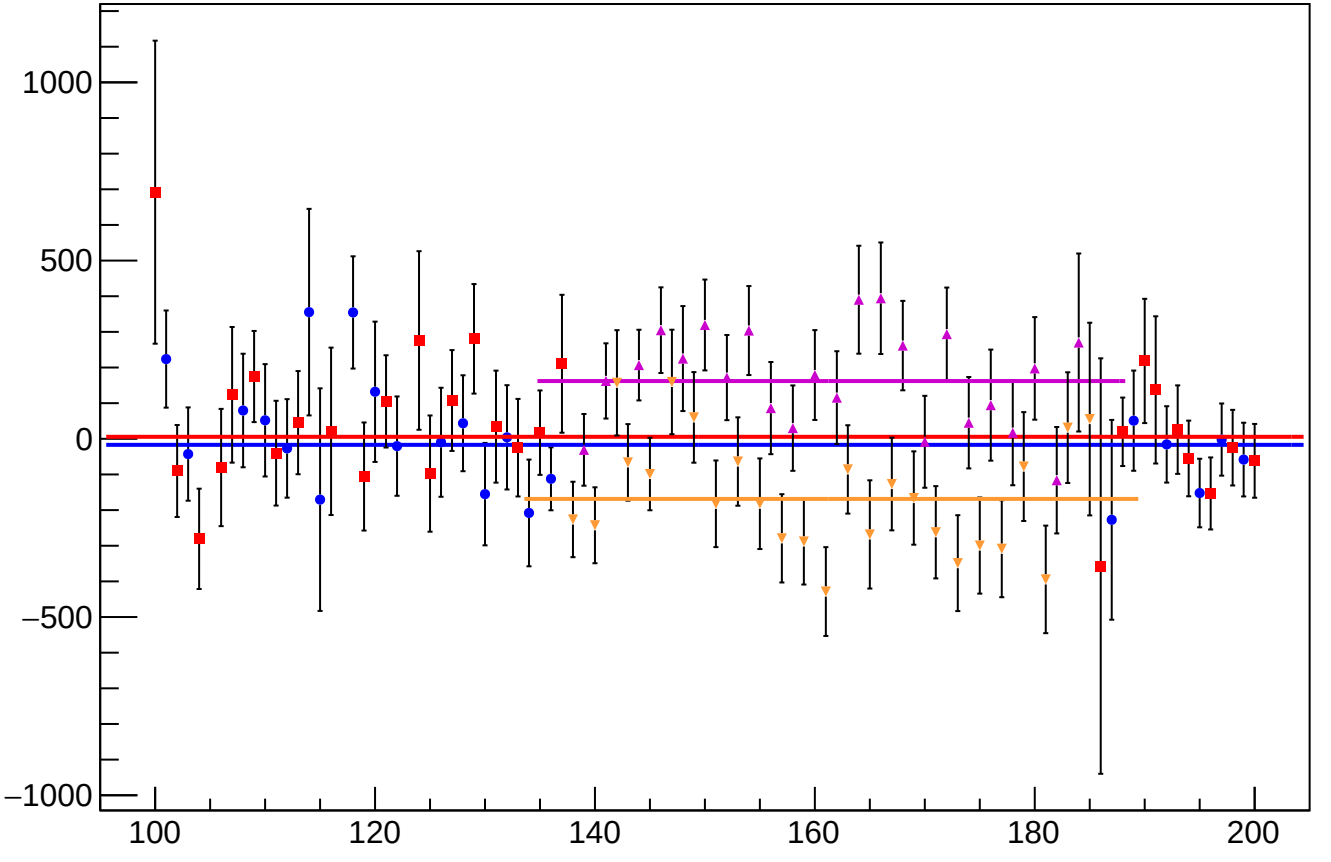
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 672.893+/-0.087 χ^2/NDF: 1431700.3/46

All: 670.465+/-0.061 χ^2/NDF: 3859384.8/97

- sign 668.116+/-0.086 χ^2/NDF: 2426150.8/50

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 5.635+/-26.758 χ^2/NDF: 23.1/27

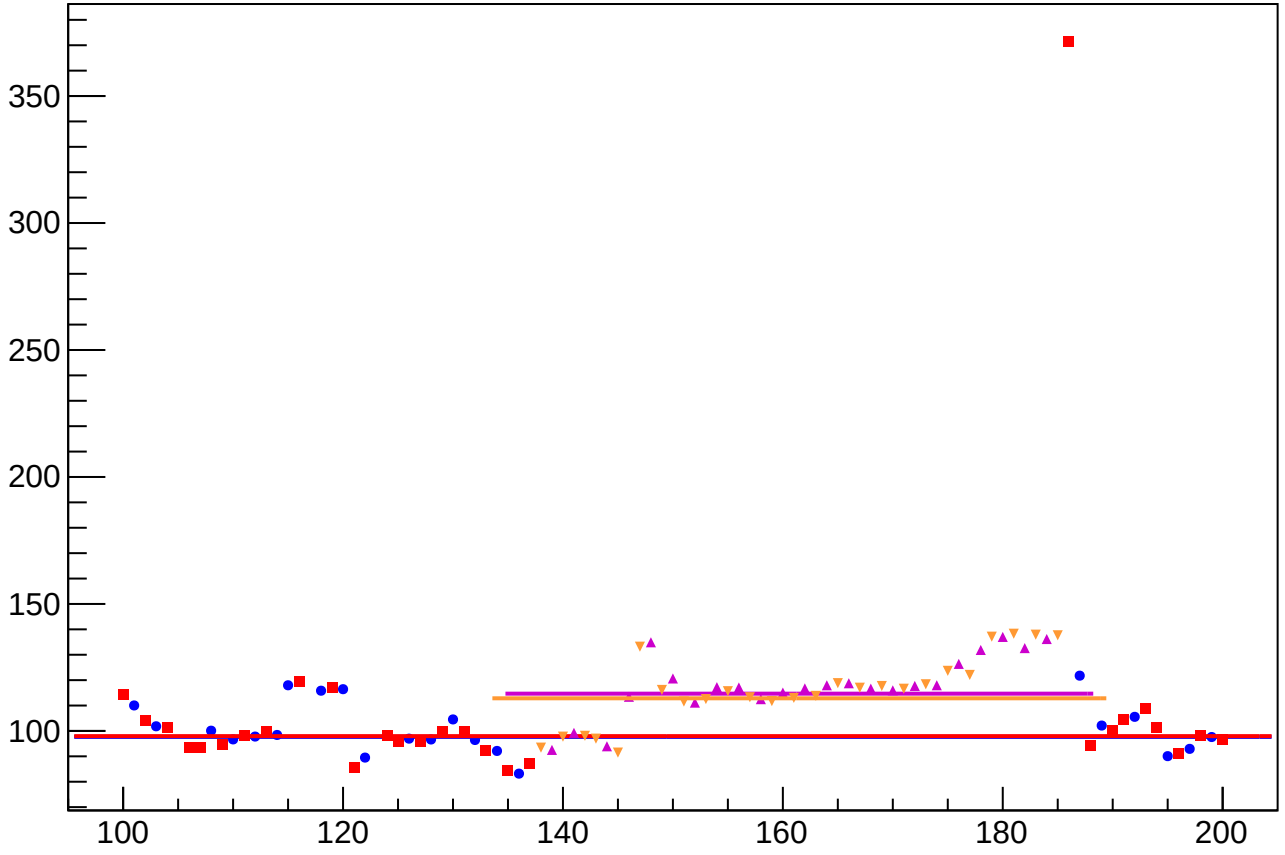
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -101.214+/-19.245 χ^2/NDF: 66.4/46

All: -7.725+/-13.516 χ^2/NDF: 176.6/97

- sign 83.280+/-18.987 χ^2/NDF: 63.7/50

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.665+/-0.020 χ^2/NDF: 185118.5/21

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

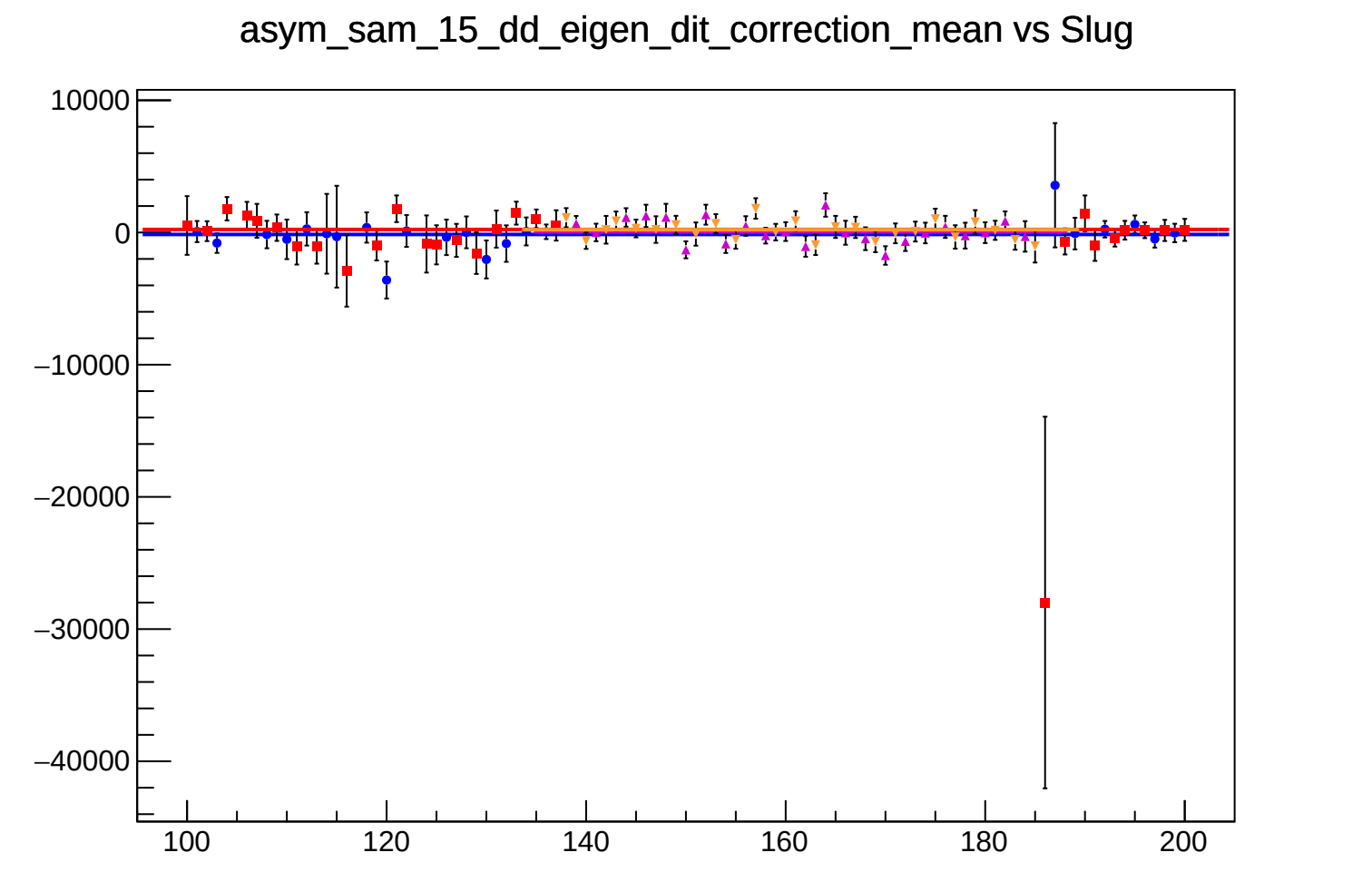
Right Out: 97.948+/-0.019 χ^2/NDF: 588892.1/27

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 106.101+/-0.014 χ^2/NDF: 1004813.2/46

All: 106.178+/-0.010 χ^2/NDF: 2391798.2/97

- sign 106.254+/-0.013 χ^2/NDF: 1386921.1/50



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 227.734+/-188.885 χ^2/NDF: 25.4/27

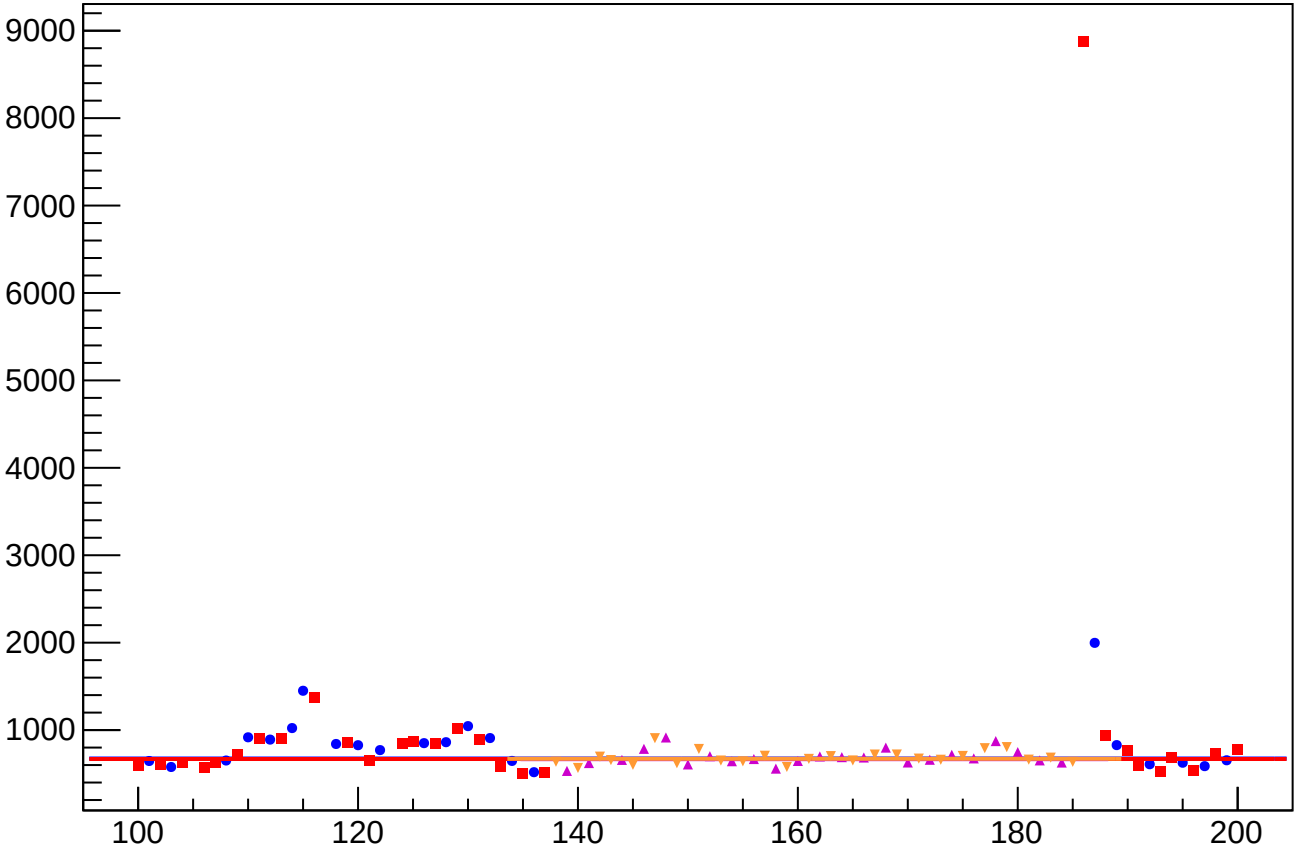
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 79.956+/-123.001 χ^2/NDF: 33.0/46

All: 101.860+/-86.243 χ^2/NDF: 92.3/97

\- sign 123.044+/-120.958 χ^2/NDF: 59.3/50

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 674.738+/-0.145 χ^2/NDF: 1032287.5/21

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 669.230+/-0.134 χ^2/NDF: 1879134.7/27

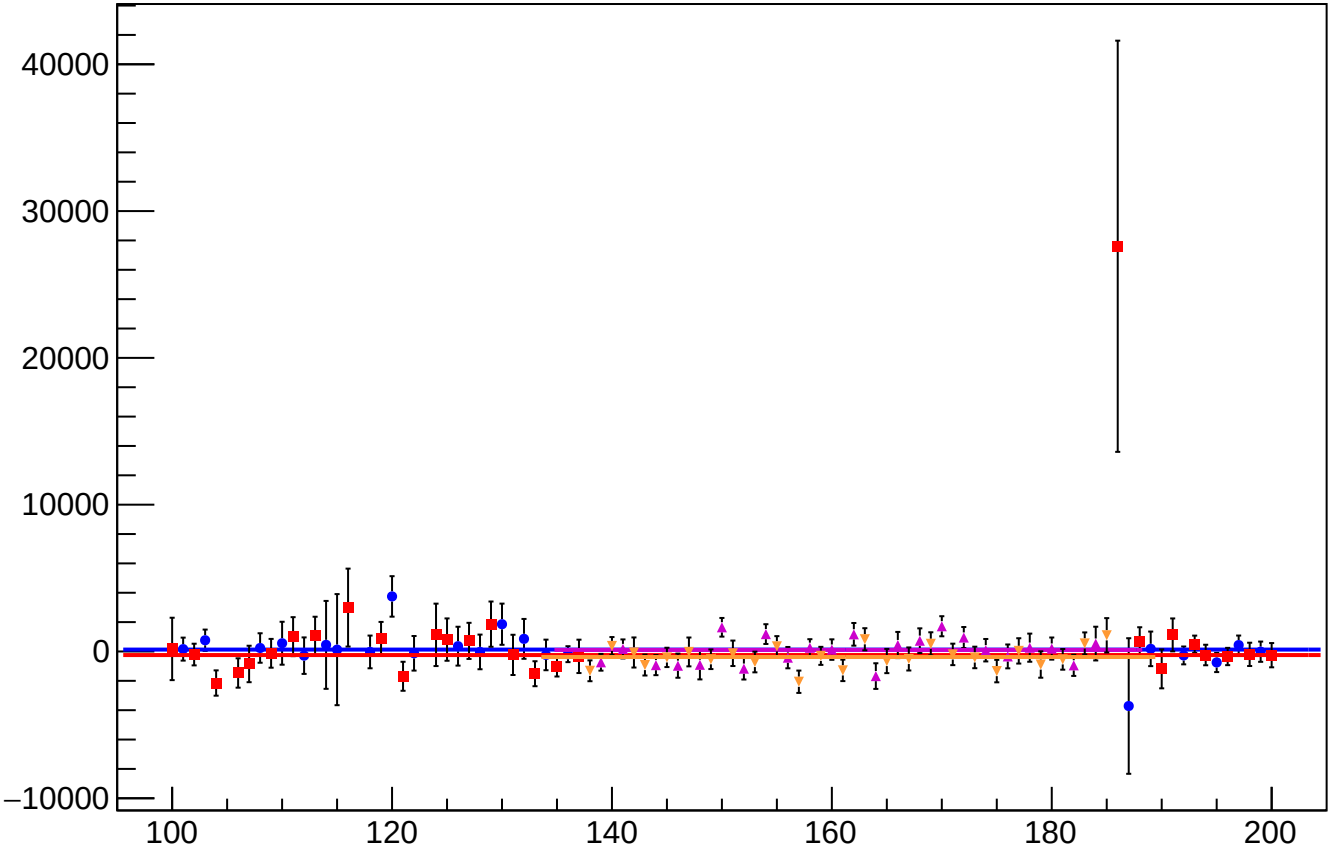
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 672.893+/-0.087 χ^2/NDF: 1431702.4/46

All: 670.465+/-0.061 χ^2/NDF: 3859394.4/97

- sign 668.116+/-0.086 χ^2/NDF: 2426158.3/50

asym_sam_15_dd_mean vs Slug



Right In: 128.885+/-200.827 χ^2/NDF: 13.4/21

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -244.301+/-185.156 χ^2/NDF: 28.7/27

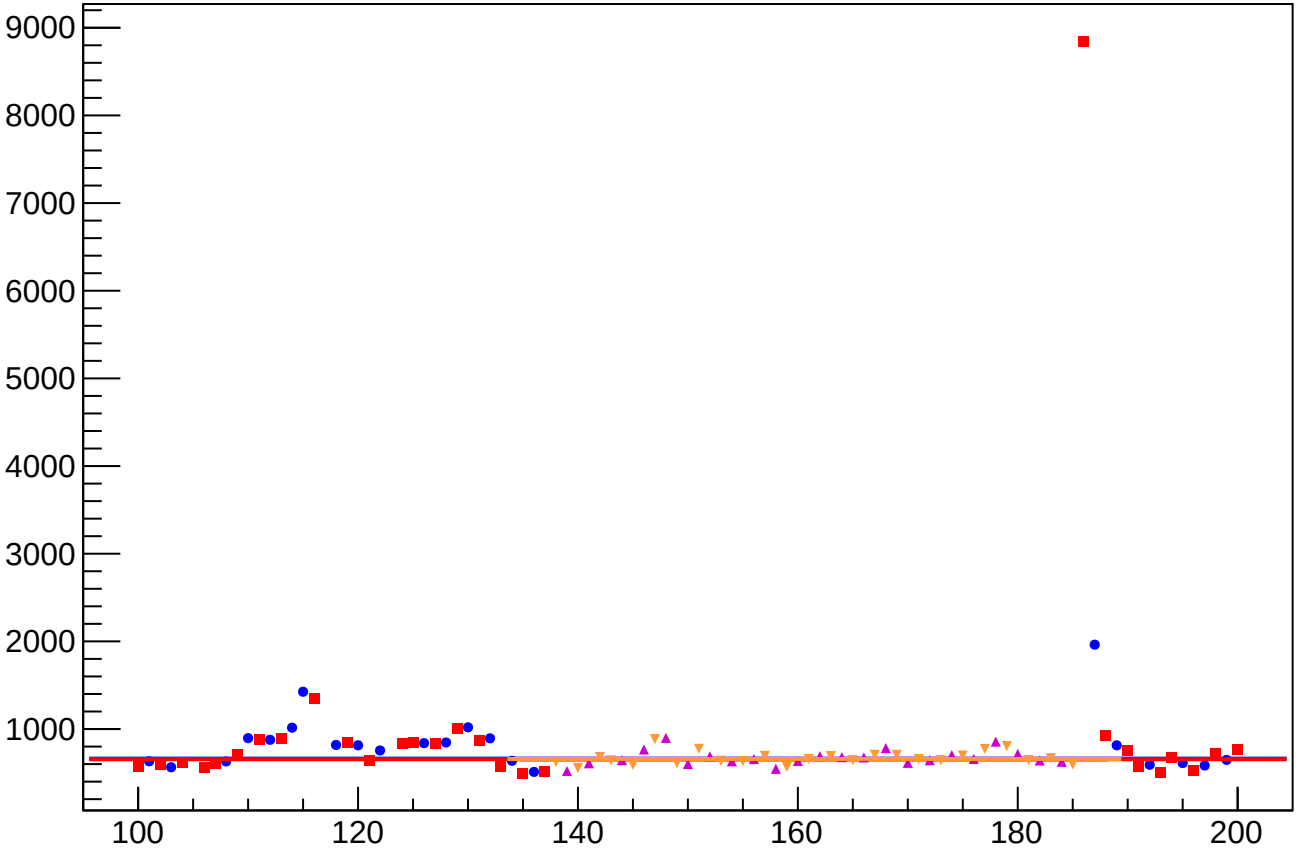
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -194.510+/-120.666 χ^2/NDF: 38.9/46

All: -115.477+/-84.566 χ^2/NDF: 106.1/97

- sign -39.189+/-118.551 χ^2/NDF: 66.3/50

asym_sam_15_dd_rms vs Slug



Right In: 662.248+/-0.142 χ^2/NDF: 1026378.6/21

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

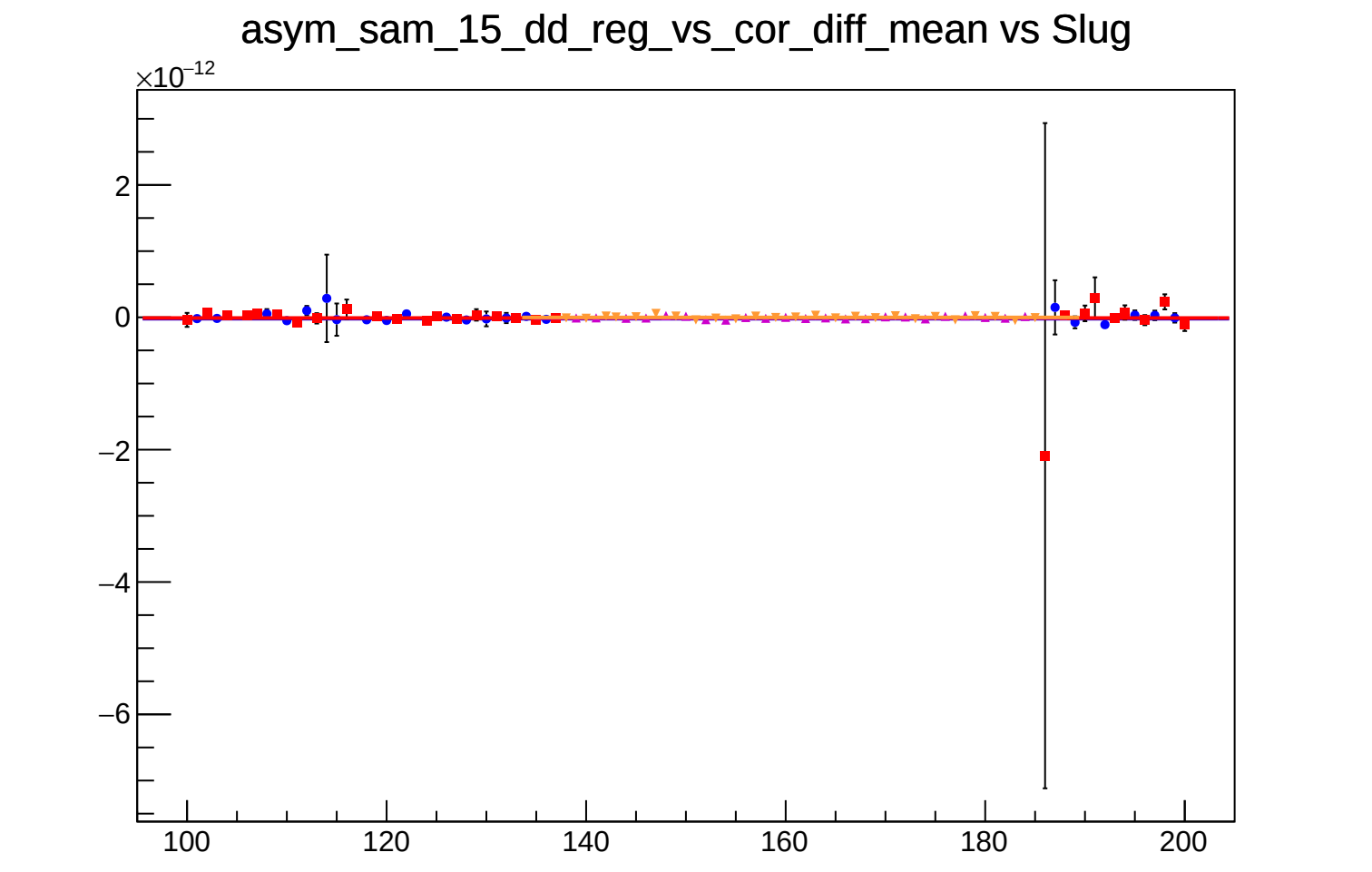
Right Out: 655.472+/-0.131 χ^2/NDF: 1911079.2/27

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 659.963+/-0.085 χ^2/NDF: 1436468.2/46

All: 657.221+/-0.060 χ^2/NDF: 3891735.2/97

- sign 654.574+/-0.084 χ^2/NDF: 2453237.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

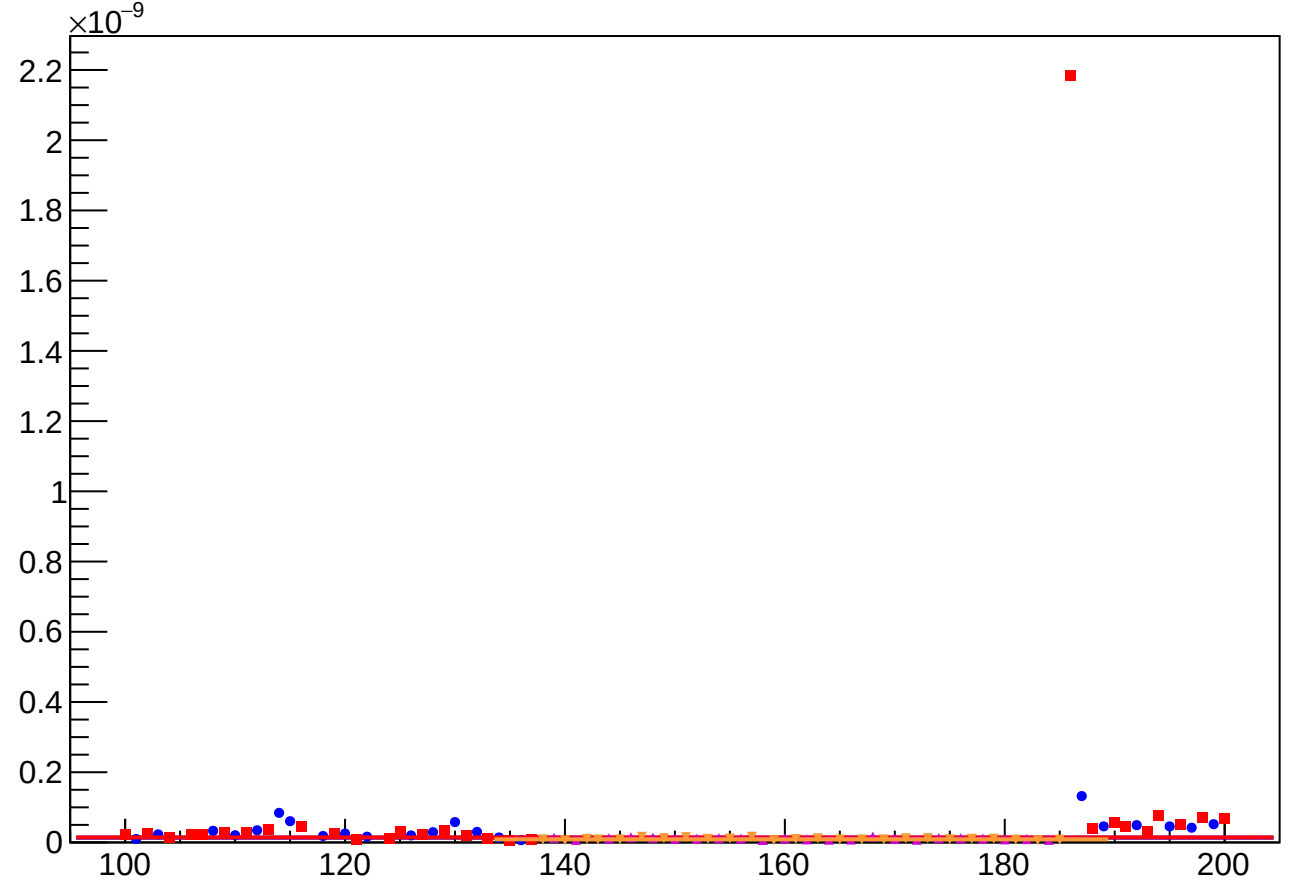
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/27

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/46

All: -0.000+/-0.000 χ^2/NDF: 92.0/97

- sign -0.000+/-0.000 χ^2/NDF: 41.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4520522.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5851848.0/27

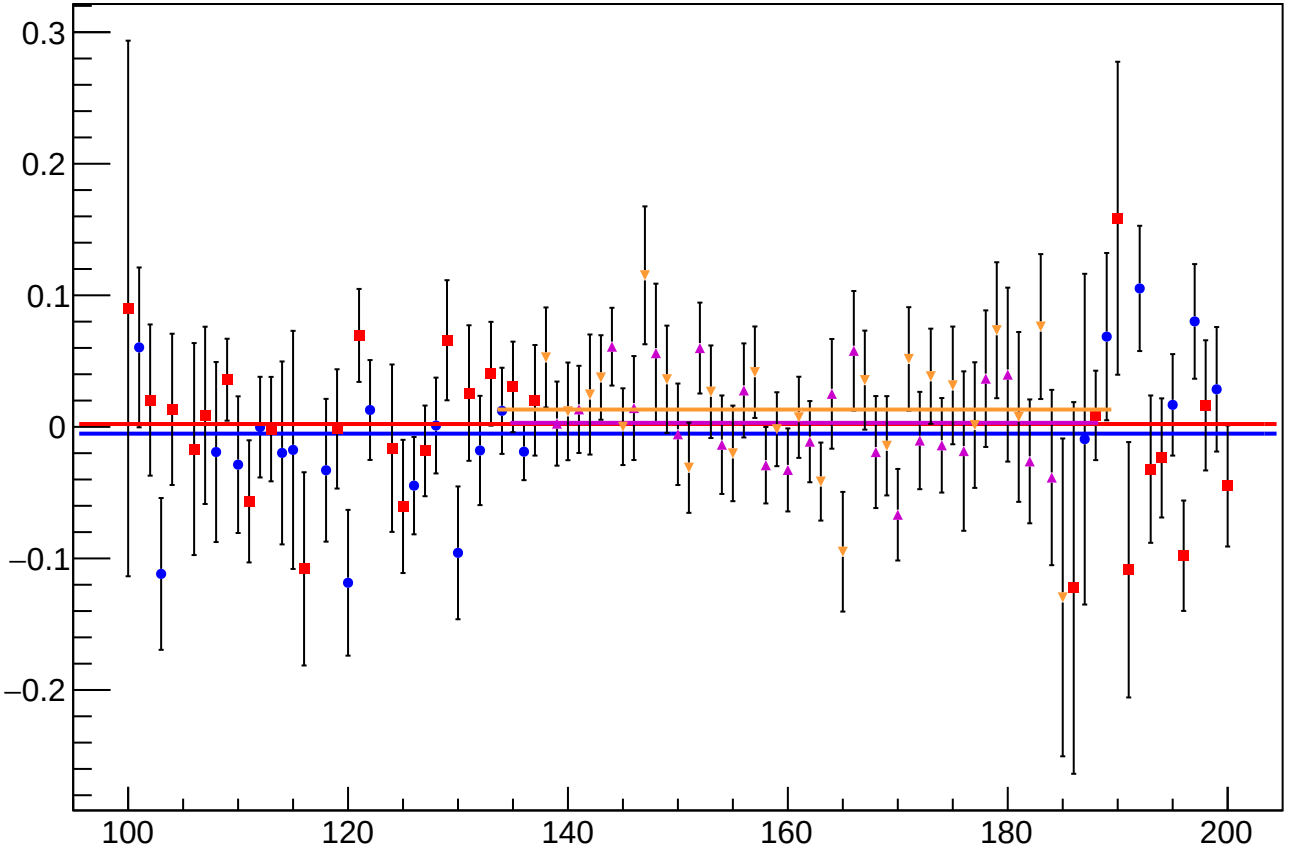
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6195539.3/46

All: 0.000+/-0.000 χ^2/NDF: 13334755.4/97

- sign 0.000+/-0.000 χ^2/NDF: 6983175.1/50

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

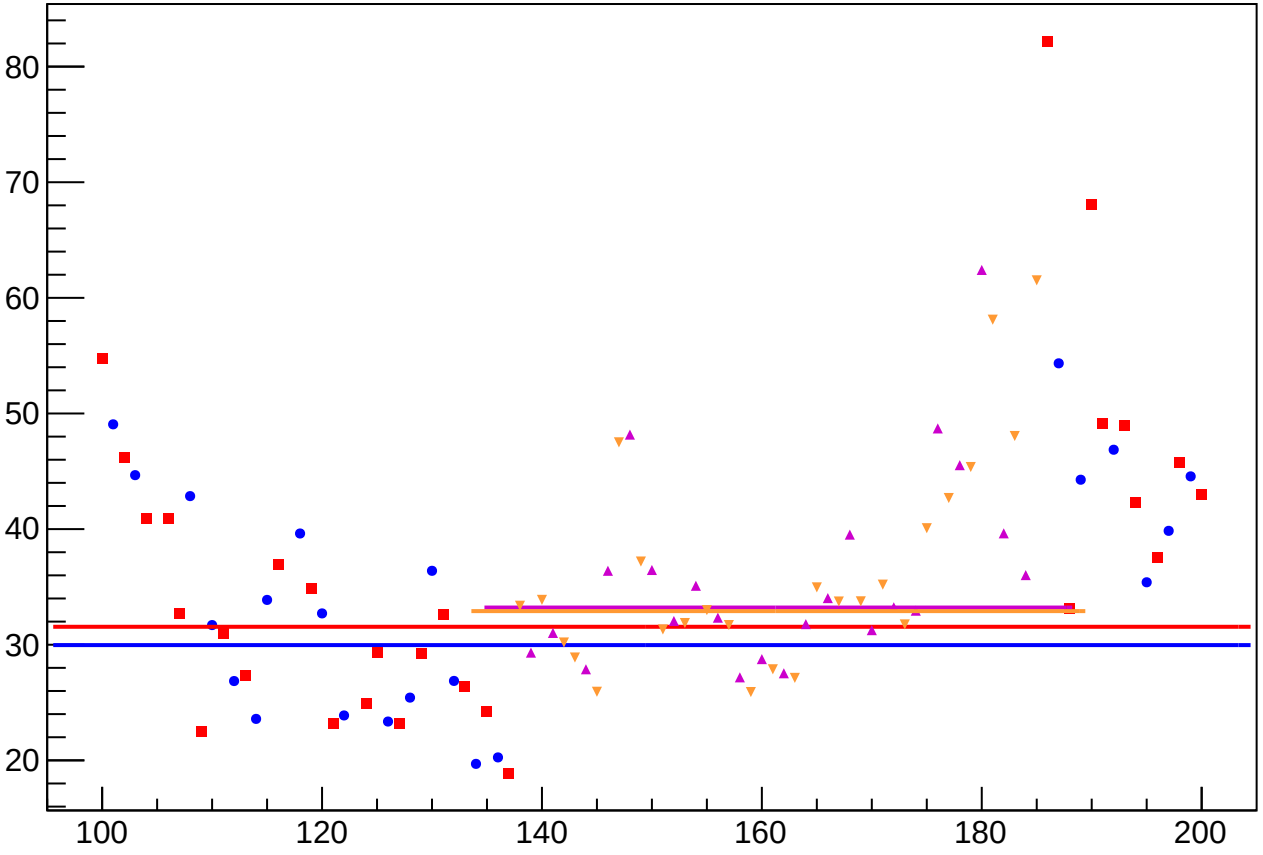
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.004+/-0.004 χ^2/NDF: 99.5/97

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

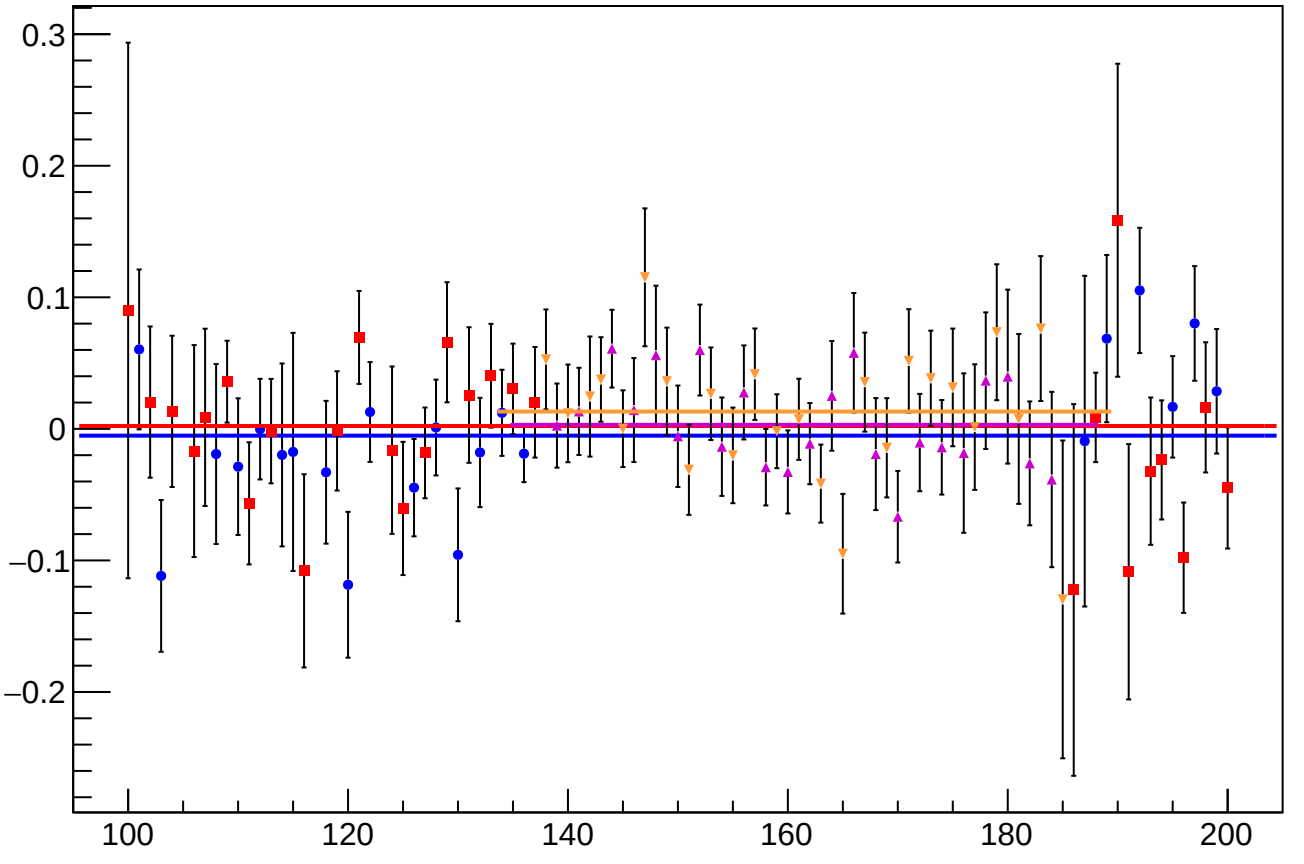
Right Out: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.723+/-0.004 χ^2/NDF: 3599685.5/46

All: 32.102+/-0.003 χ^2/NDF: 7041980.1/97

\- sign 32.486+/-0.004 χ^2/NDF: 3425817.4/50



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

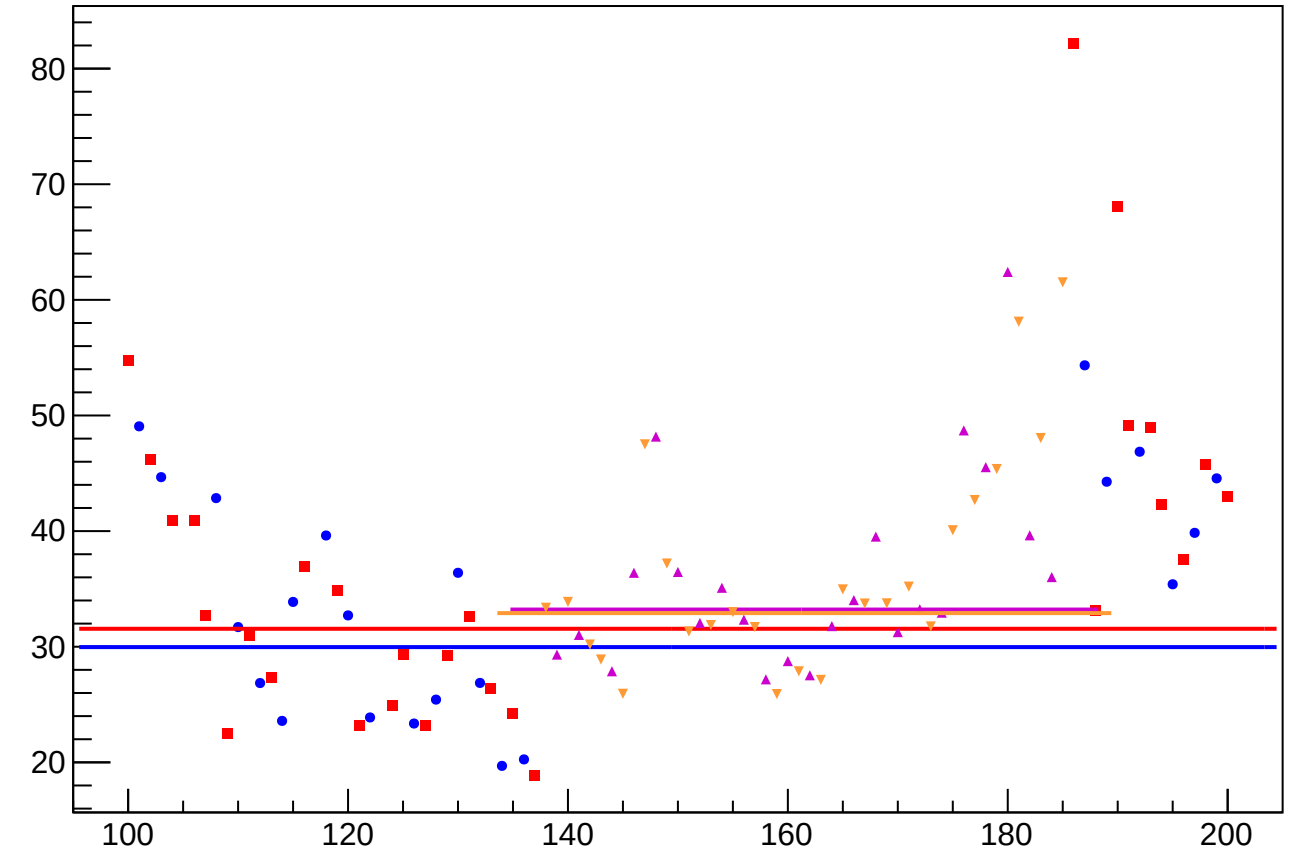
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.004+/-0.004 χ^2/NDF: 99.5/97

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

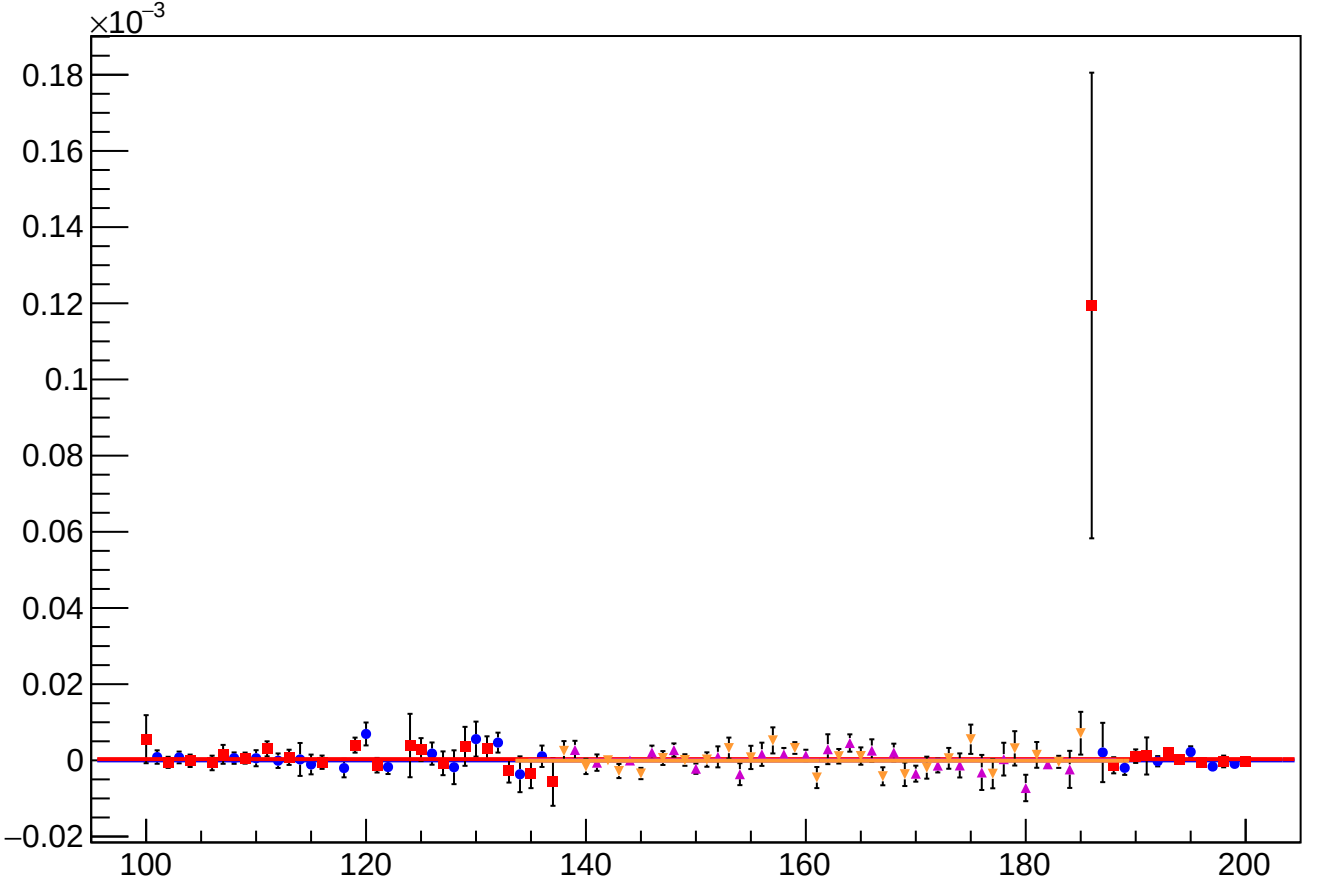
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.723+/-0.004 χ^2/NDF: 3599685.5/46

All: 32.102+/-0.003 χ^2/NDF: 7041980.1/97

- sign 32.486+/-0.004 χ^2/NDF: 3425817.4/50

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

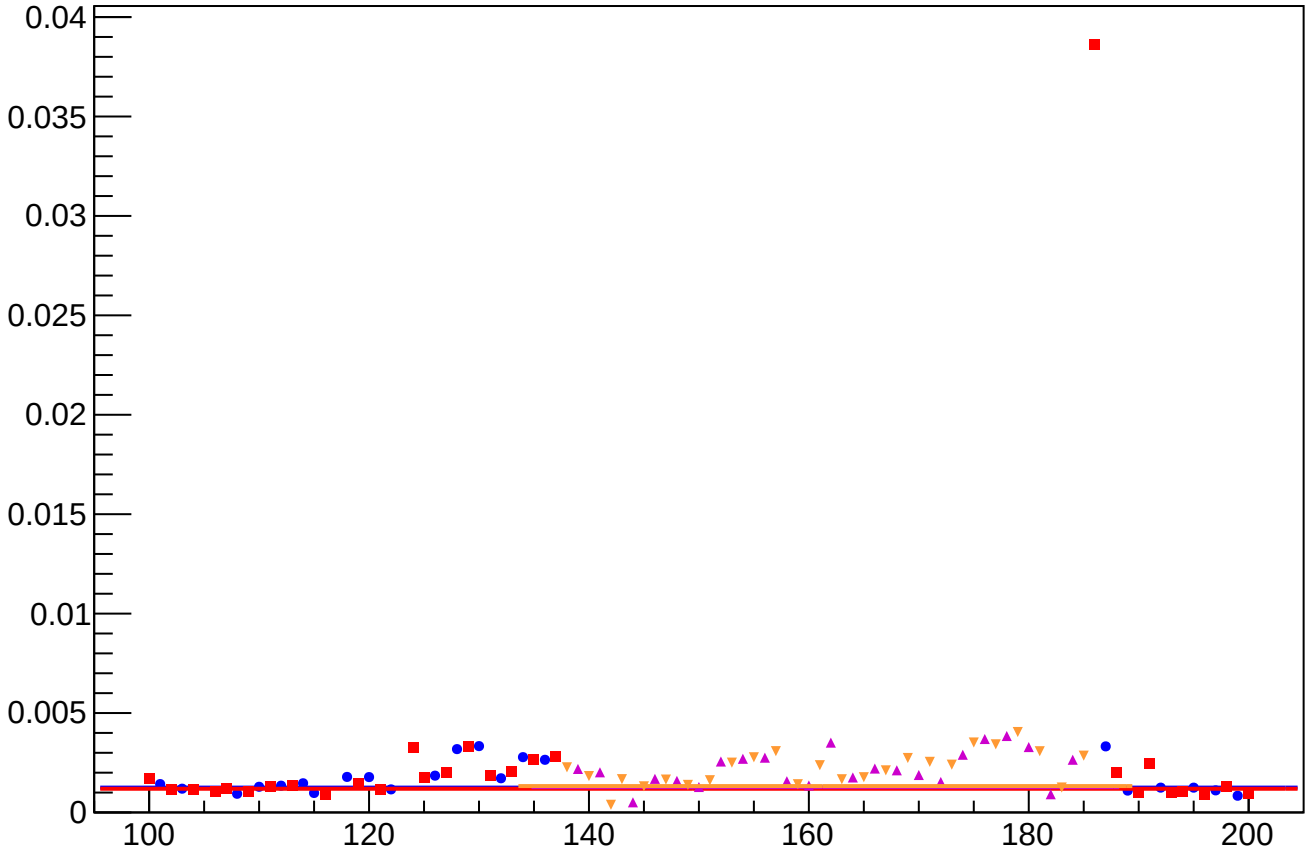
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/27

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/46

All: 0.000+/-0.000 χ^2/NDF: 99.8/97

- sign 0.000+/-0.000 χ^2/NDF: 48.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 2555253.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

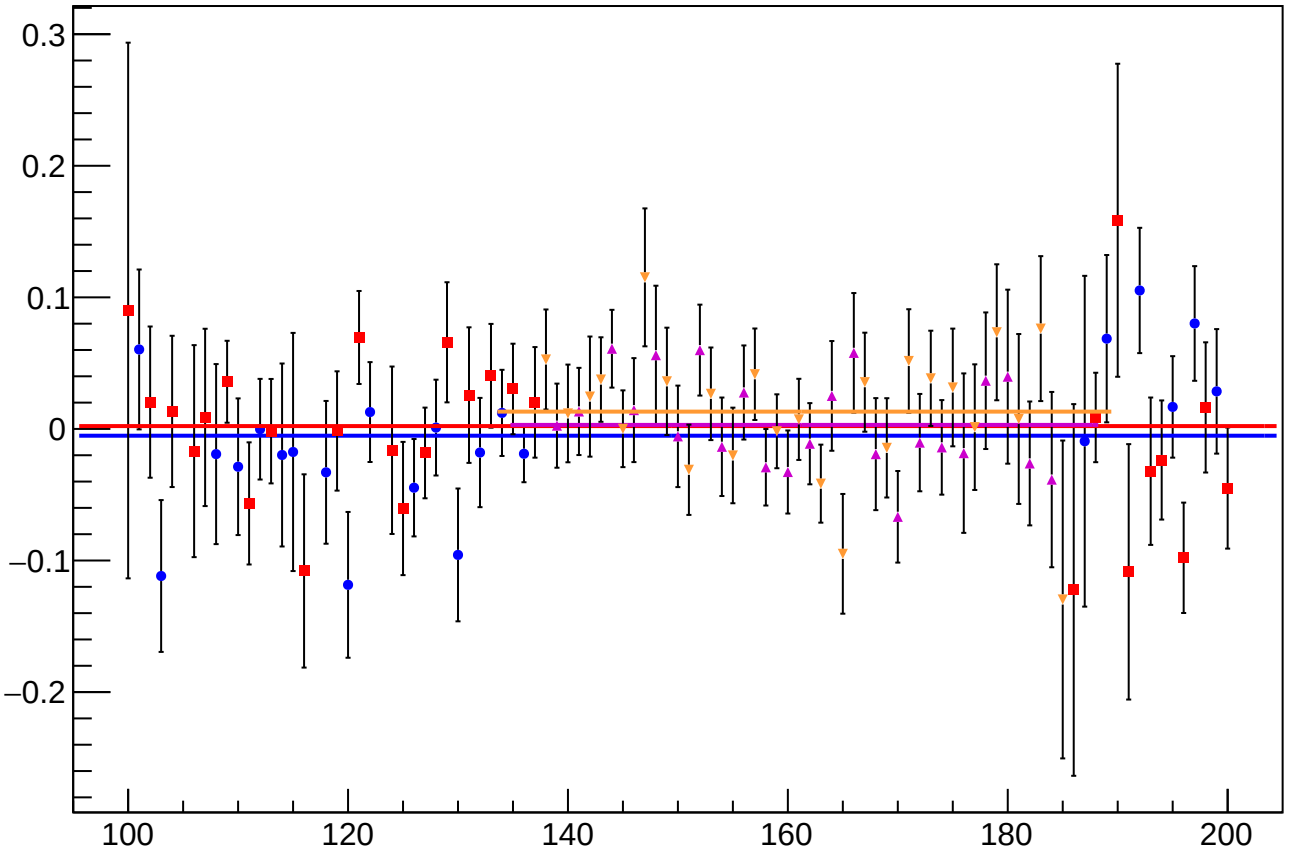
Right Out: 0.001+/-0.000 χ^2/NDF: 3129294.4/27

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13754393.8/46

All: 0.001+/-0.000 χ^2/NDF: 26867006.8/97

- sign 0.001+/-0.000 χ^2/NDF: 13061534.0/50



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

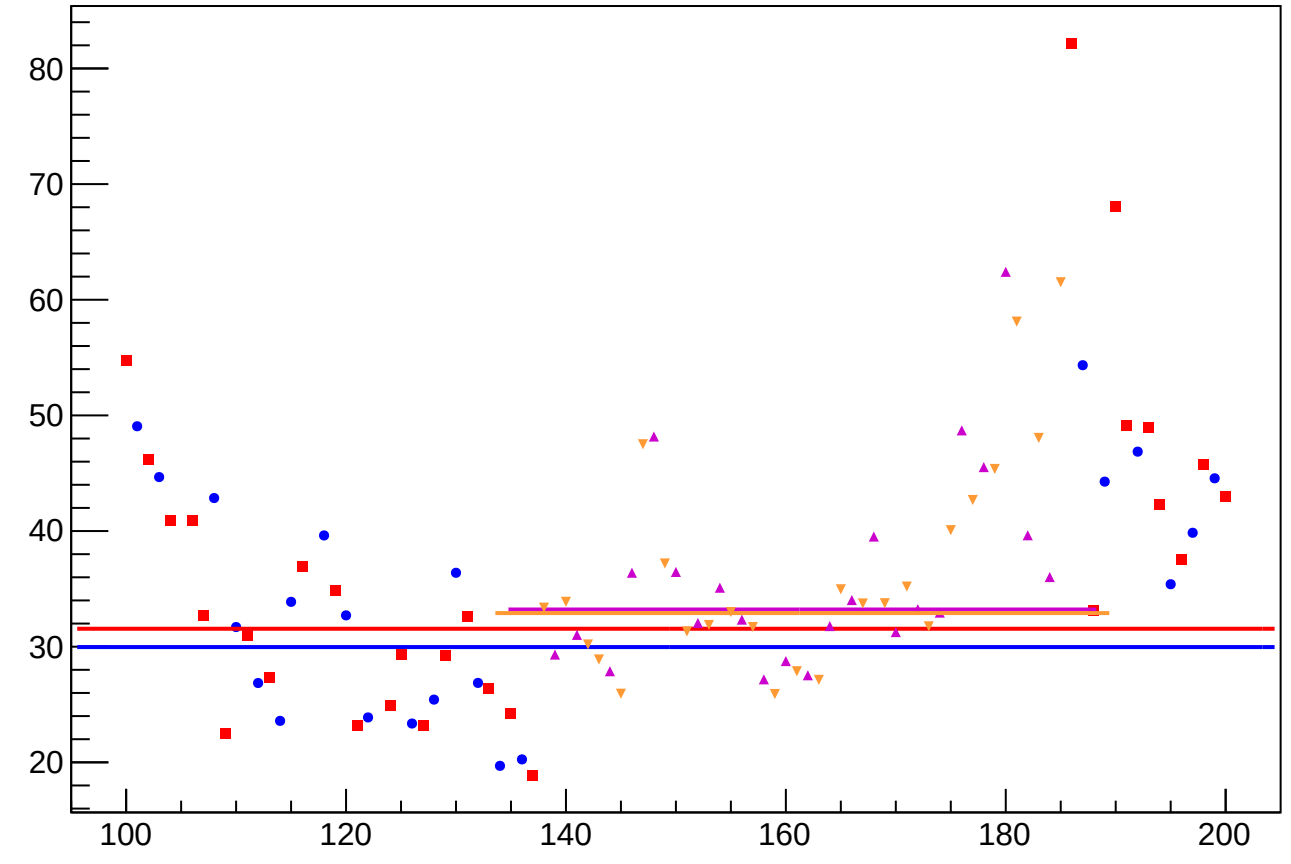
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.004+/-0.004 χ^2/NDF: 99.5/97

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

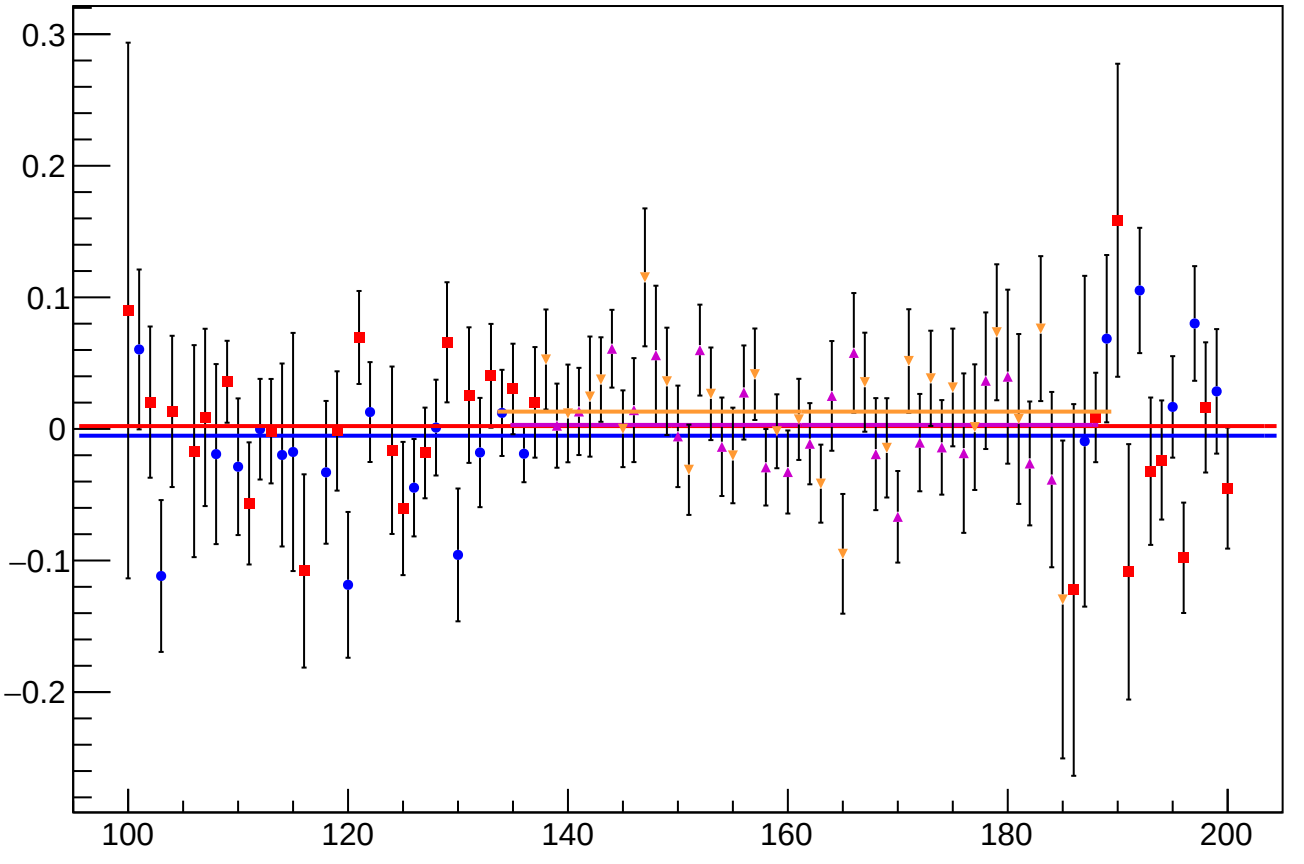
Right Out: 31.552+/-0.006 χ^2/NDF: 2166298.2/27

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.722+/-0.004 χ^2/NDF: 3599981.4/46

All: 32.102+/-0.003 χ^2/NDF: 7042670.5/97

- sign 32.486+/-0.004 χ^2/NDF: 3426216.1/50



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

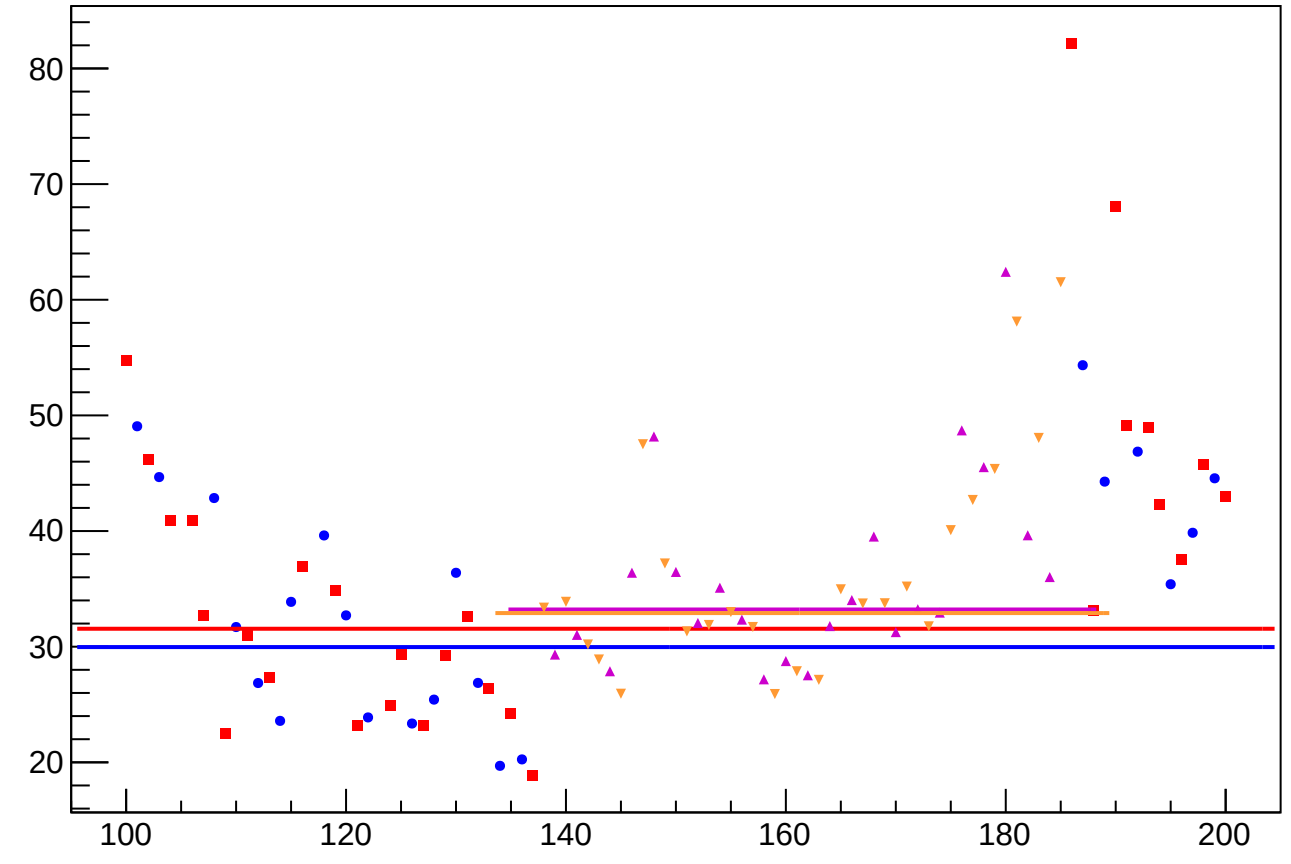
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.004+/-0.004 χ^2/NDF: 99.5/97

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

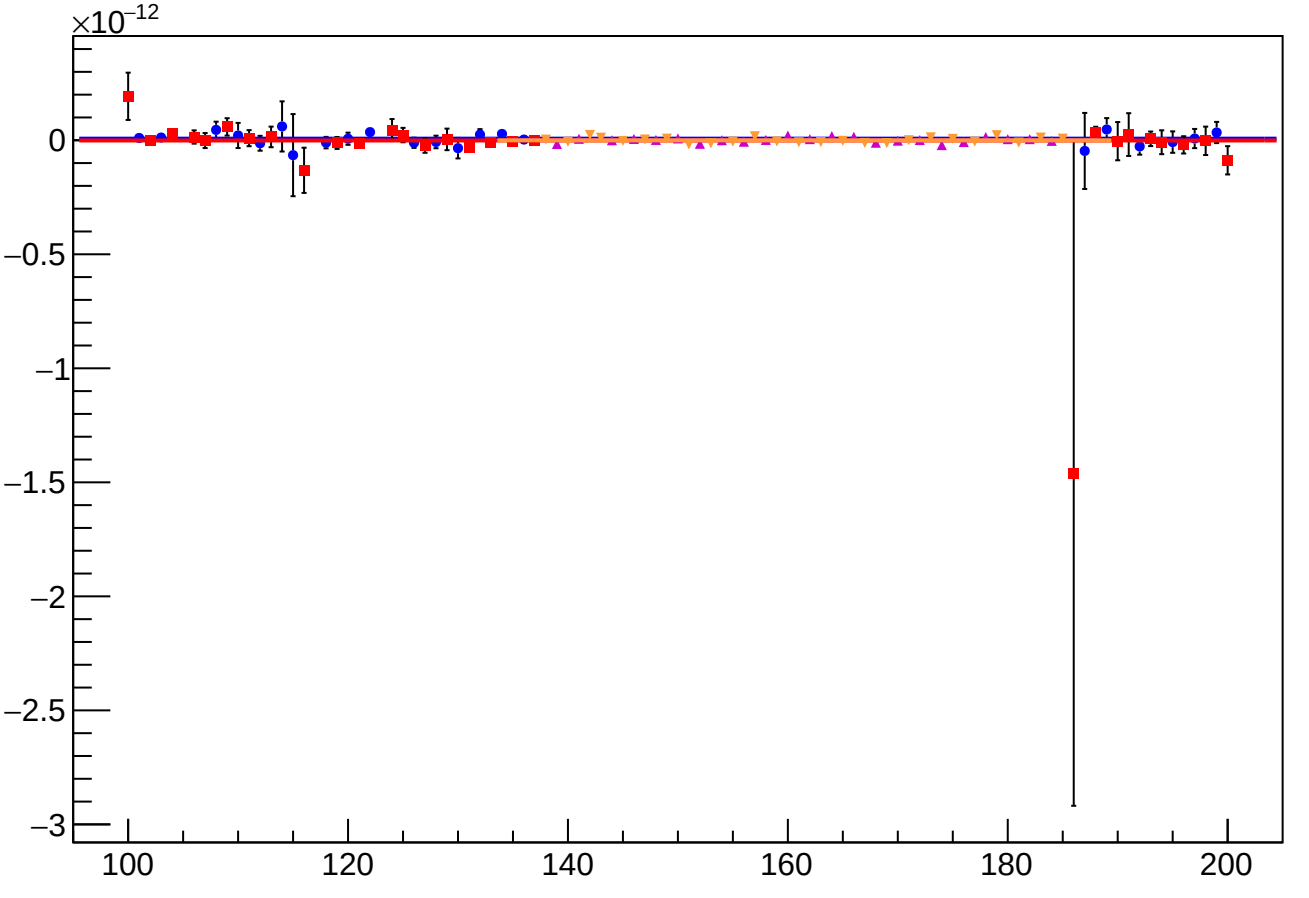
Right Out: 31.552+/-0.006 χ^2/NDF: 2166298.2/27

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.722+/-0.004 χ^2/NDF: 3599981.4/46

All: 32.102+/-0.003 χ^2/NDF: 7042670.5/97

- sign 32.486+/-0.004 χ^2/NDF: 3426216.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

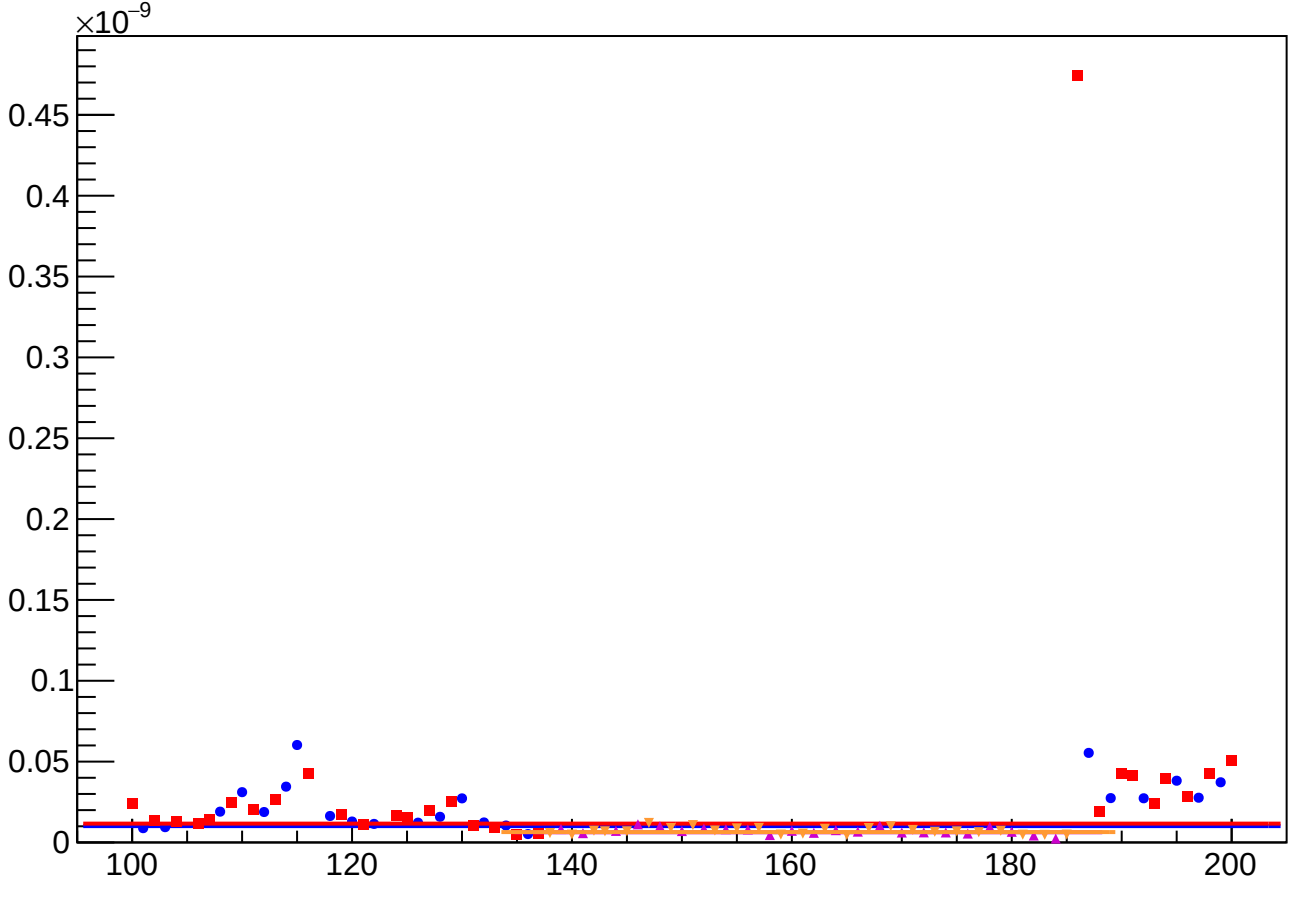
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/46

All: 0.000+/-0.000 χ^2/NDF: 89.4/97

- sign 0.000+/-0.000 χ^2/NDF: 45.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 5119501.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6289935.0/27

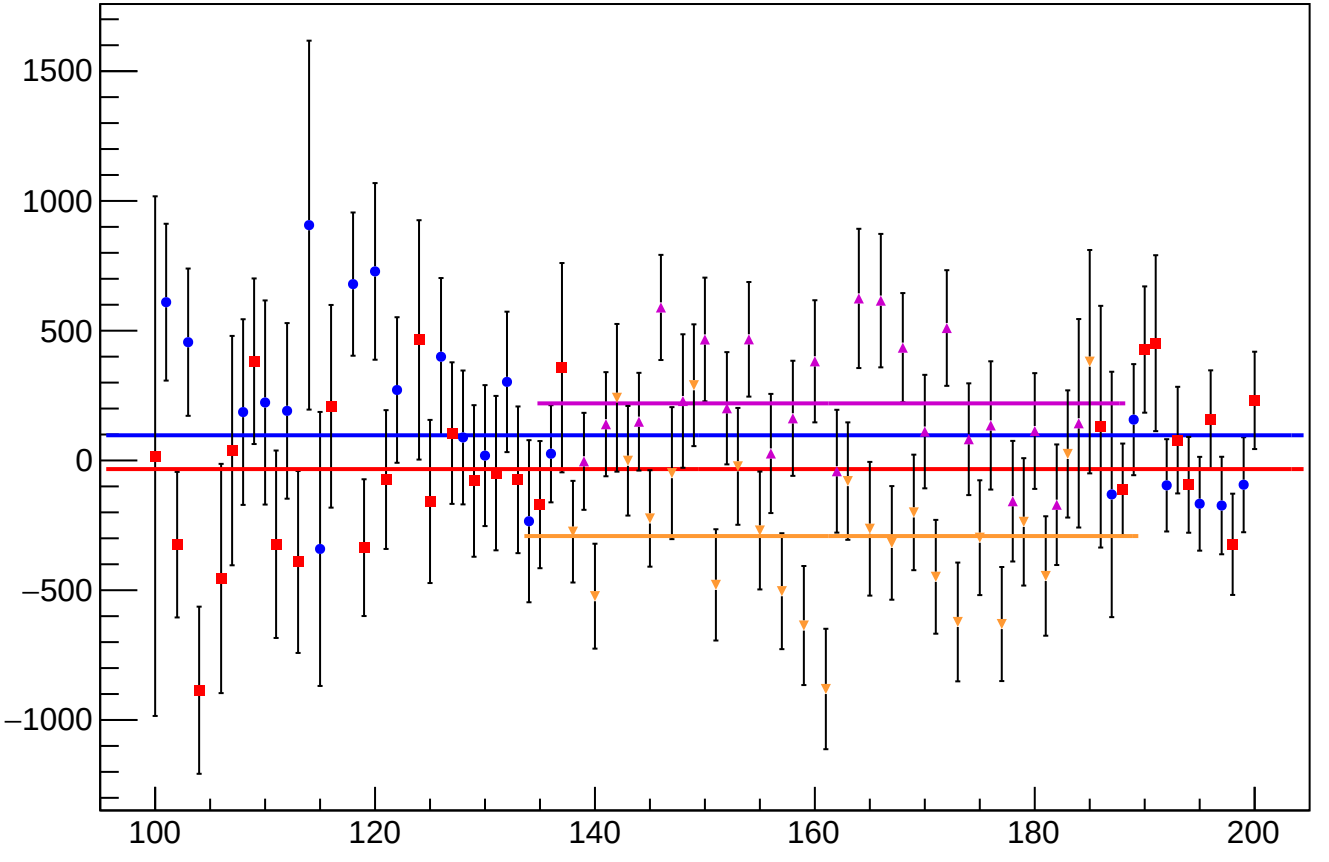
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8180494.3/46

All: 0.000+/-0.000 χ^2/NDF: 18824291.7/97

- sign 0.000+/-0.000 χ^2/NDF: 10640536.8/50

reg_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -33.246+/-51.429 χ^2/NDF: 28.6/27

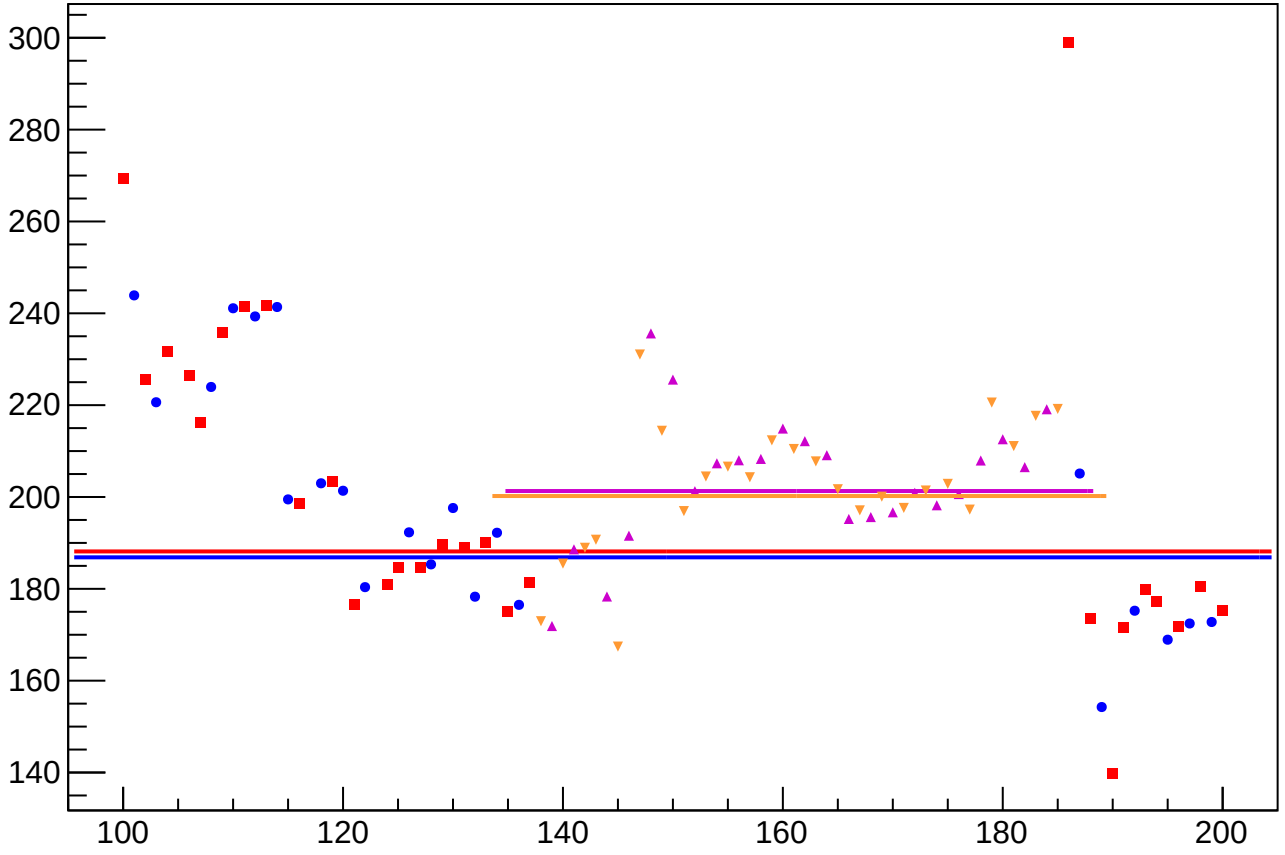
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -134.626+/-35.230 χ^2/NDF: 90.3/46

All: -13.512+/-24.741 χ^2/NDF: 179.1/97

- sign 104.347+/-34.753 χ^2/NDF: 65.5/50

reg_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.2/21

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 188.144+/-0.036 χ^2/NDF: 510460.6/27

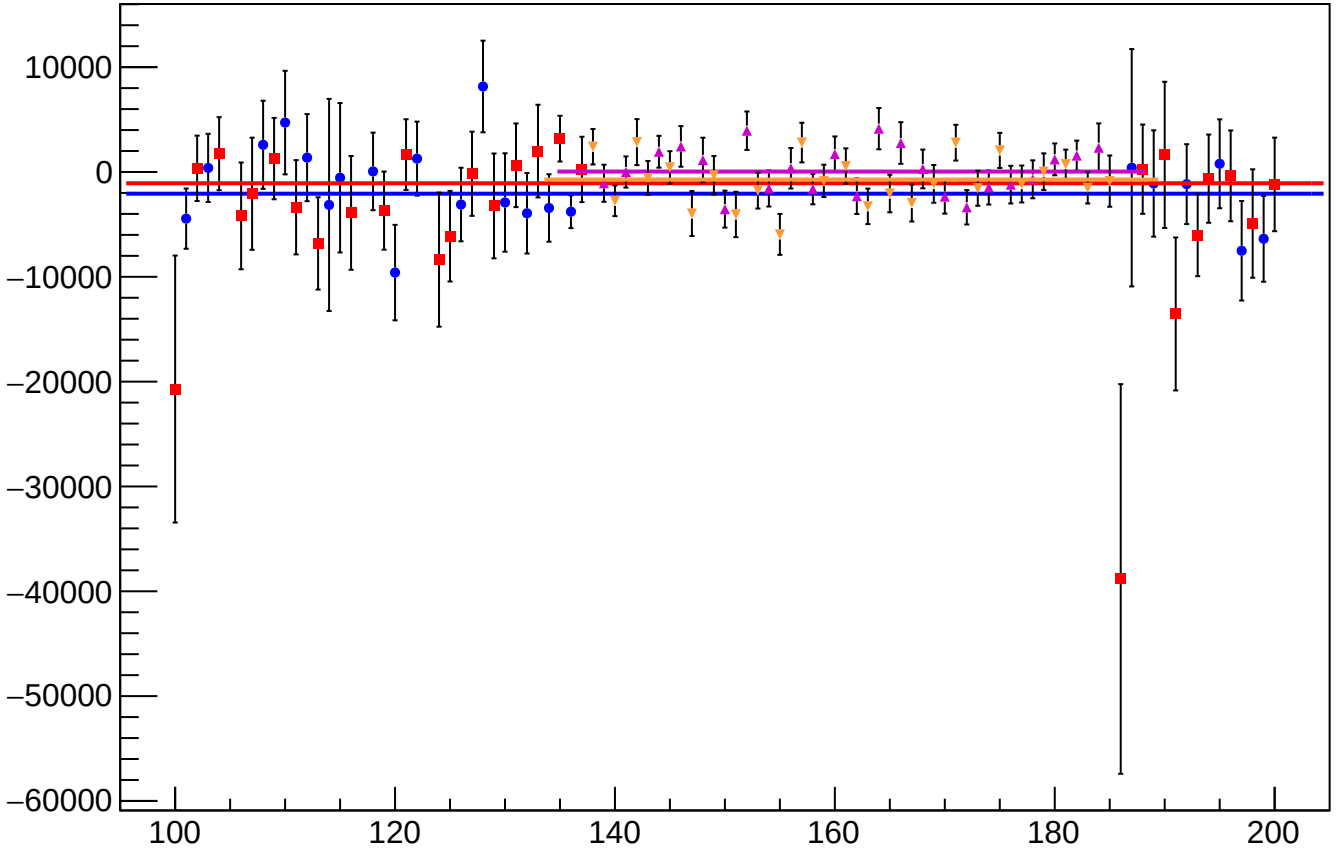
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 194.823+/-0.025 χ^2/NDF: 619035.7/46

All: 195.060+/-0.017 χ^2/NDF: 1382408.9/97

\- sign 195.291+/-0.025 χ^2/NDF: 763194.2/50

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2071.948+/-783.251 χ^2/NDF: 19.3/21

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1074.883+/-792.274 χ^2/NDF: 24.4/27

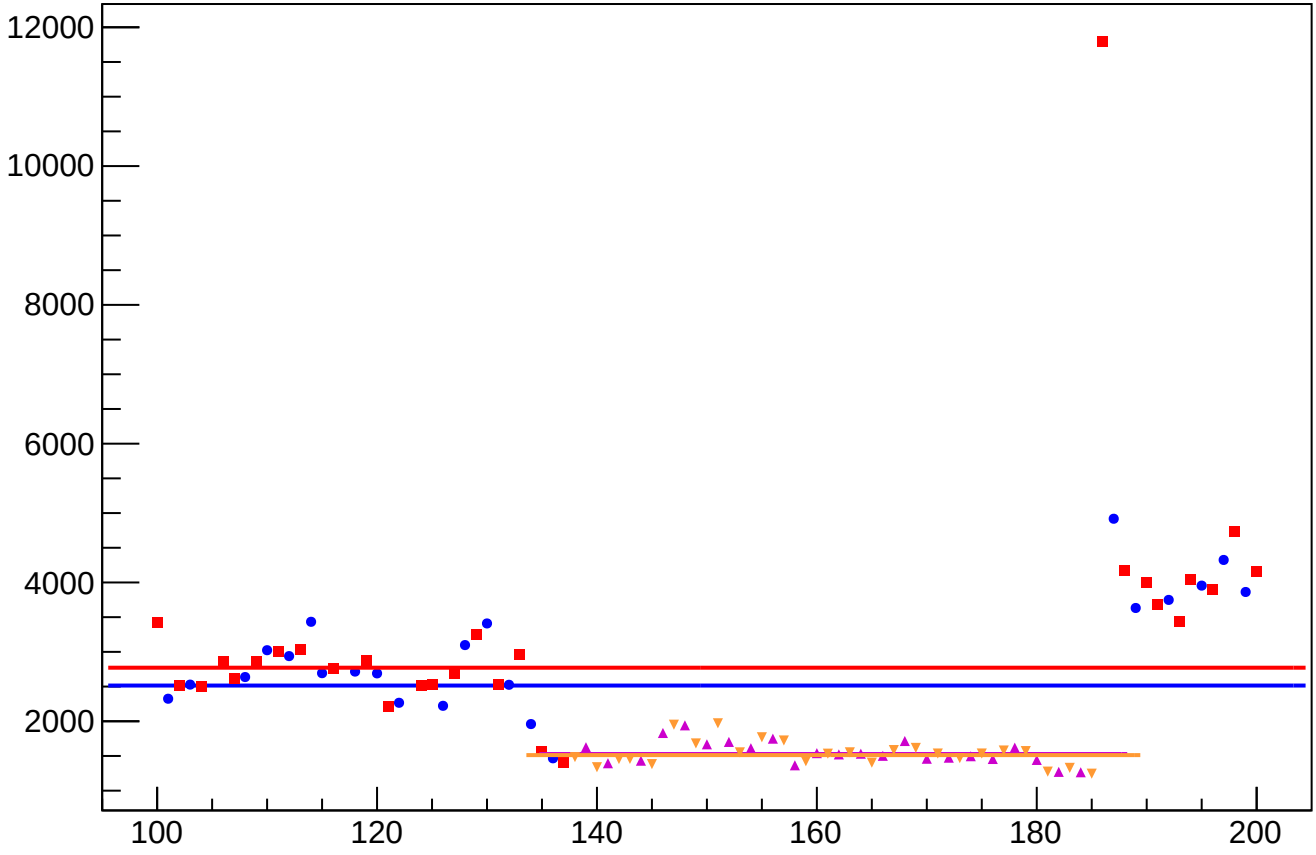
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -941.732+/-316.782 χ^2/NDF: 60.1/46

All: -559.029+/-227.592 χ^2/NDF: 123.6/97

- sign -150.749+/-327.196 χ^2/NDF: 60.5/50

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2514.701+/-0.554 χ^2/NDF: 2304663.7/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2771.794+/-0.560 χ^2/NDF: 2783103.4/27

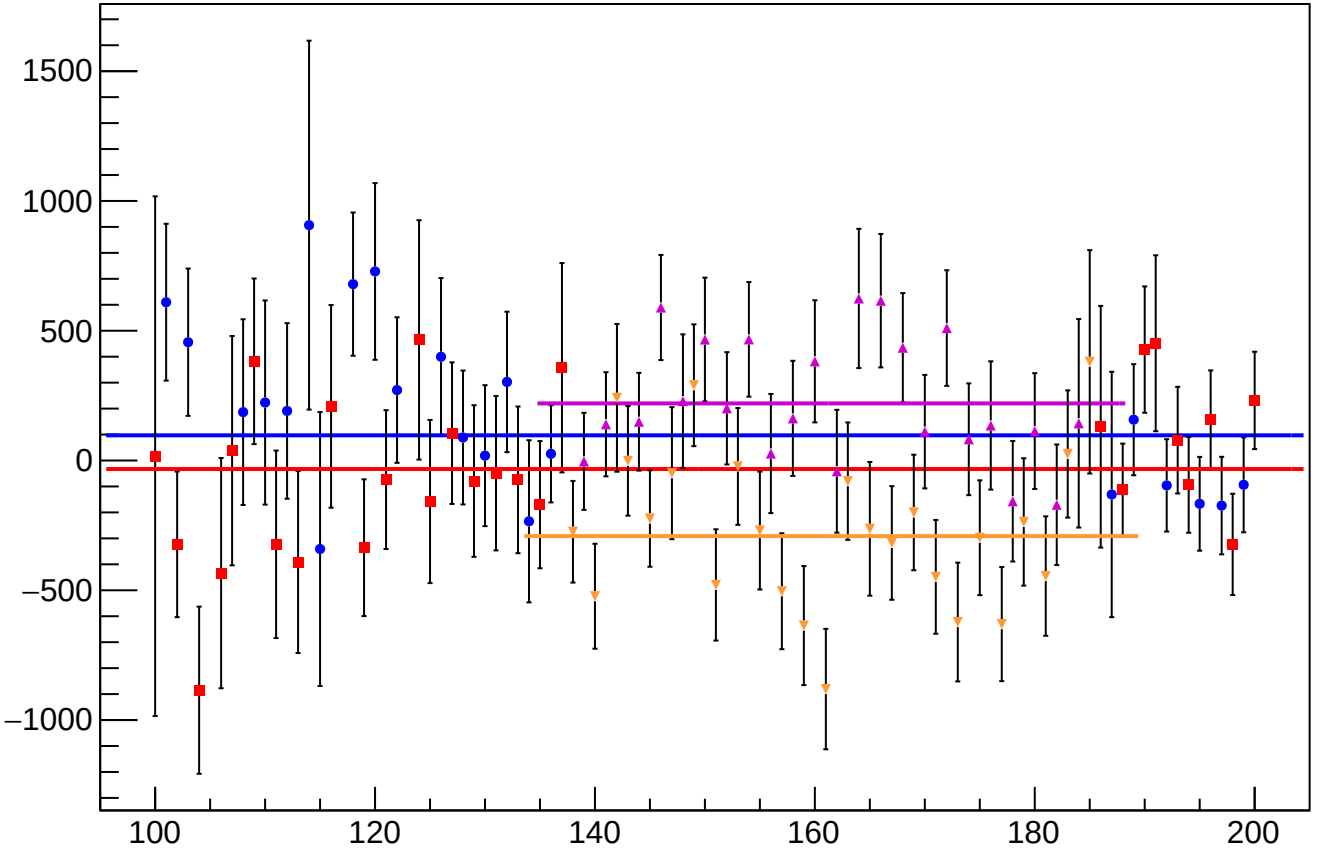
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486783.2/46

All: 1707.183+/-0.161 χ^2/NDF: 12771691.4/9

- sign 1740.106+/-0.231 χ^2/NDF: 7245677.7/50

cor_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.857+/-51.433 χ^2/NDF: 28.4/27

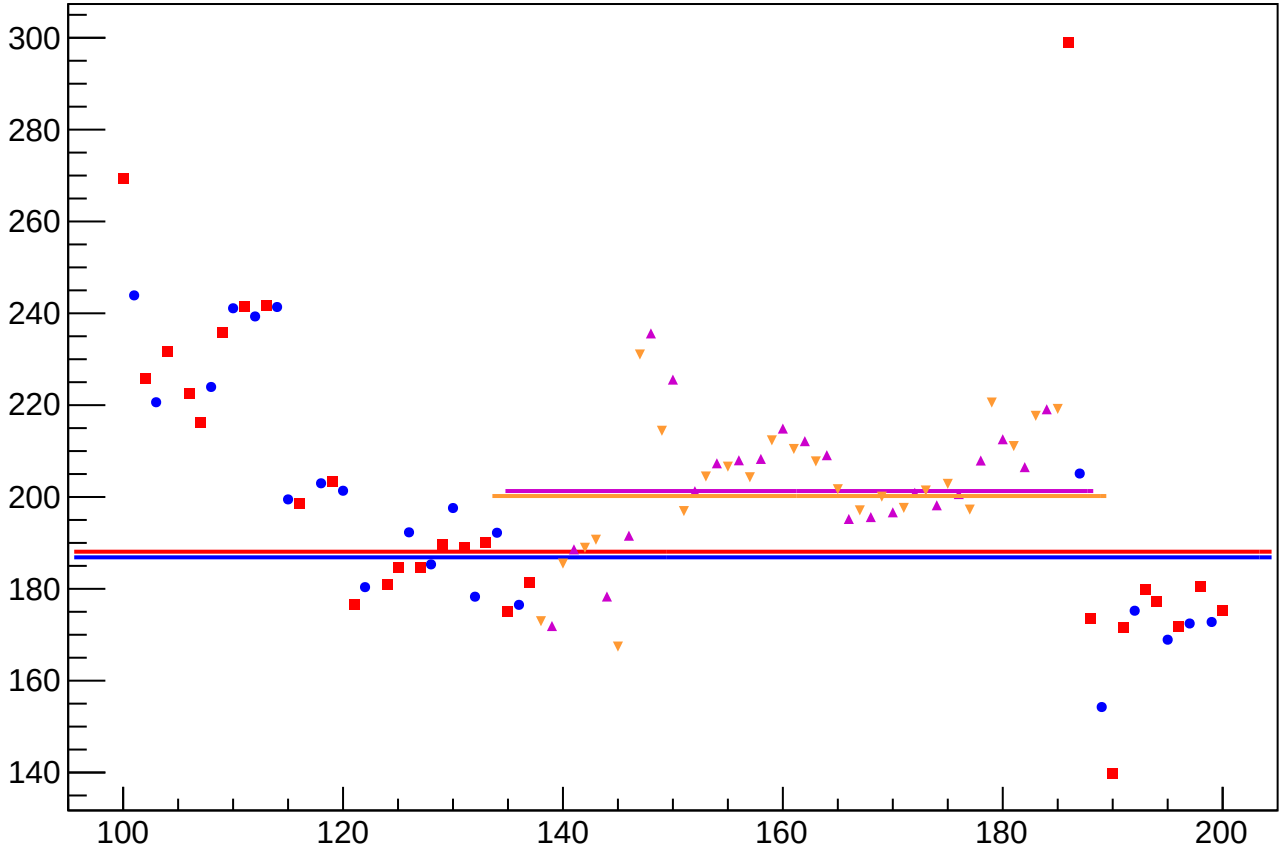
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.628+/-35.230 χ^2/NDF: 90.3/46

All: -13.420+/-24.741 χ^2/NDF: 179.0/97

- sign 104.538+/-34.754 χ^2/NDF: 65.3/50

cor_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 188.088+/-0.036 χ^2/NDF: 507530.9/27

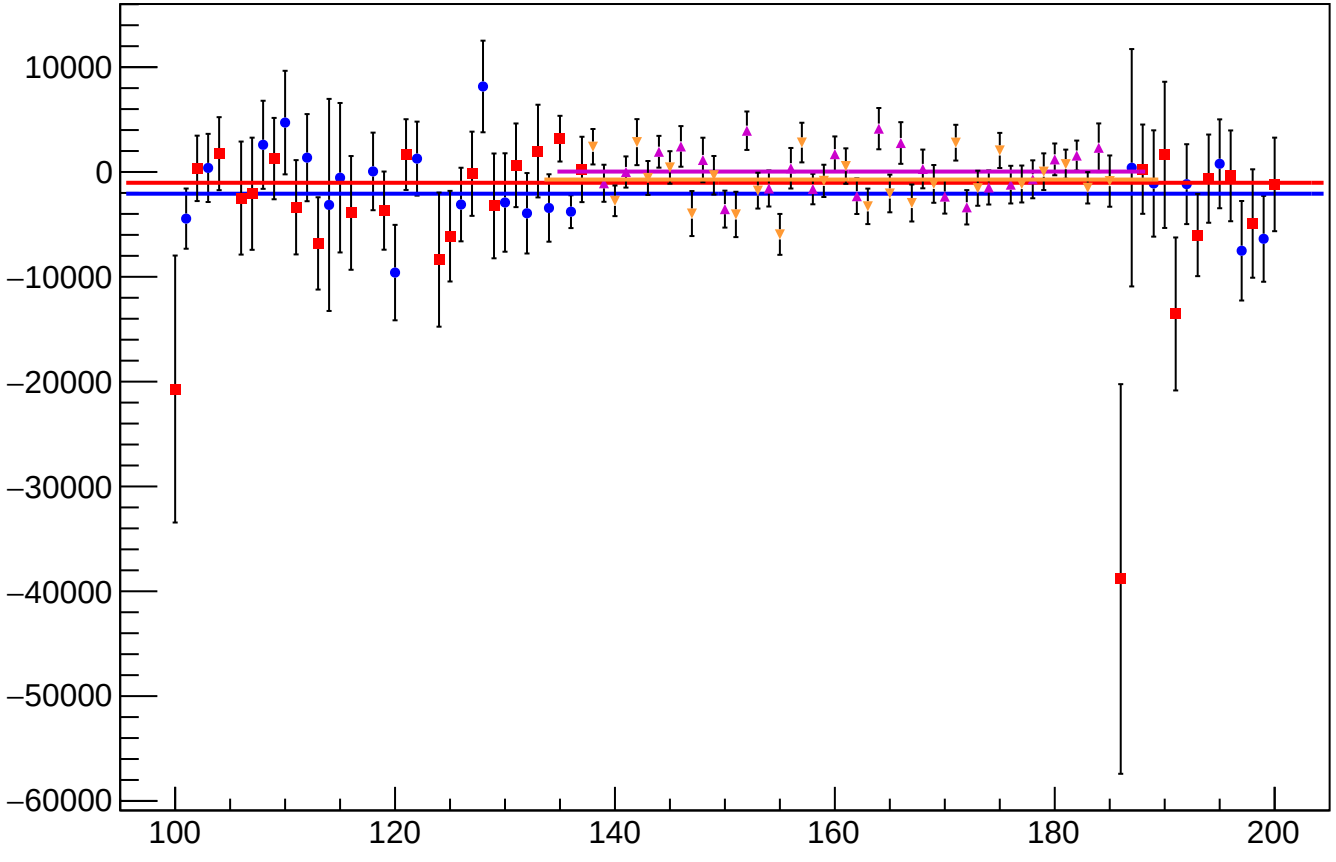
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.823+/-0.025 χ^2/NDF: 619036.1/46

All: 195.048+/-0.017 χ^2/NDF: 1380059.2/97

- sign 195.266+/-0.025 χ^2/NDF: 760862.6/50

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1030.082+/-793.338 χ^2/NDF: 24.1/27

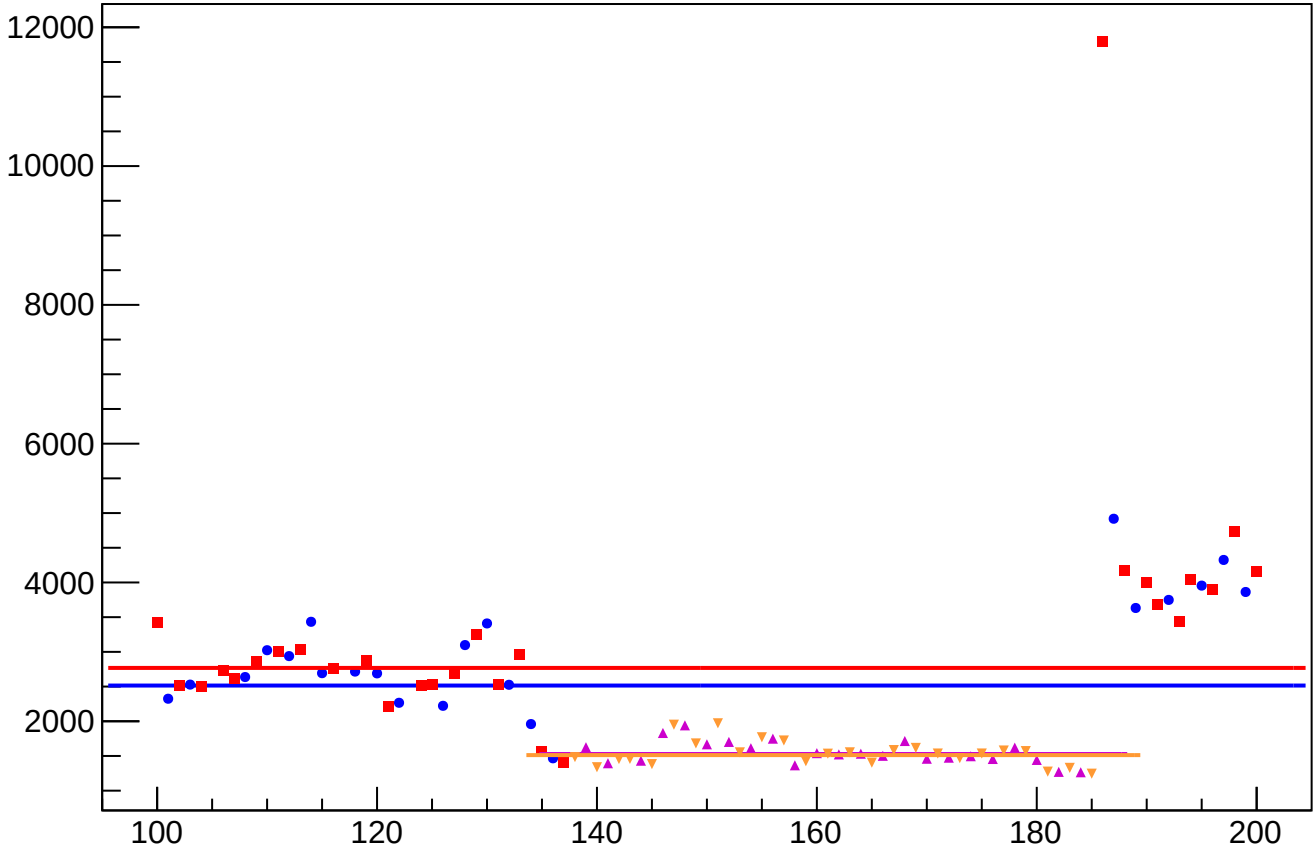
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -941.731+/-316.782 χ^2/NDF: 60.1/46

All: -555.227+/-227.617 χ^2/NDF: 123.2/97

- sign -142.705+/-327.271 χ^2/NDF: 60.0/50

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

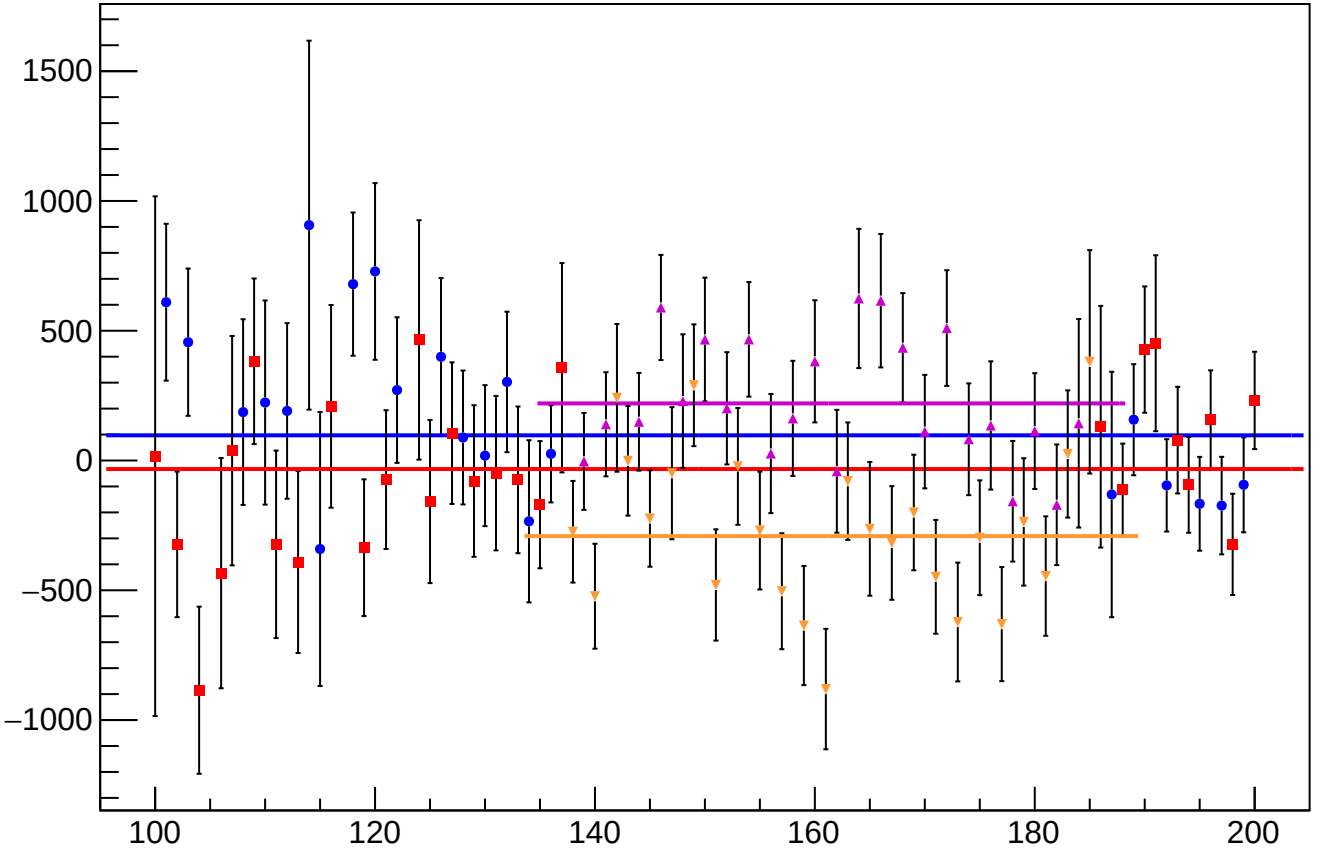
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486795.7/46

All: 1706.691+/-0.161 χ^2/NDF: 12740158.7/9

- sign 1739.103+/-0.231 χ^2/NDF: 7215367.0/50

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.857+/-51.433 χ^2/NDF: 28.4/27

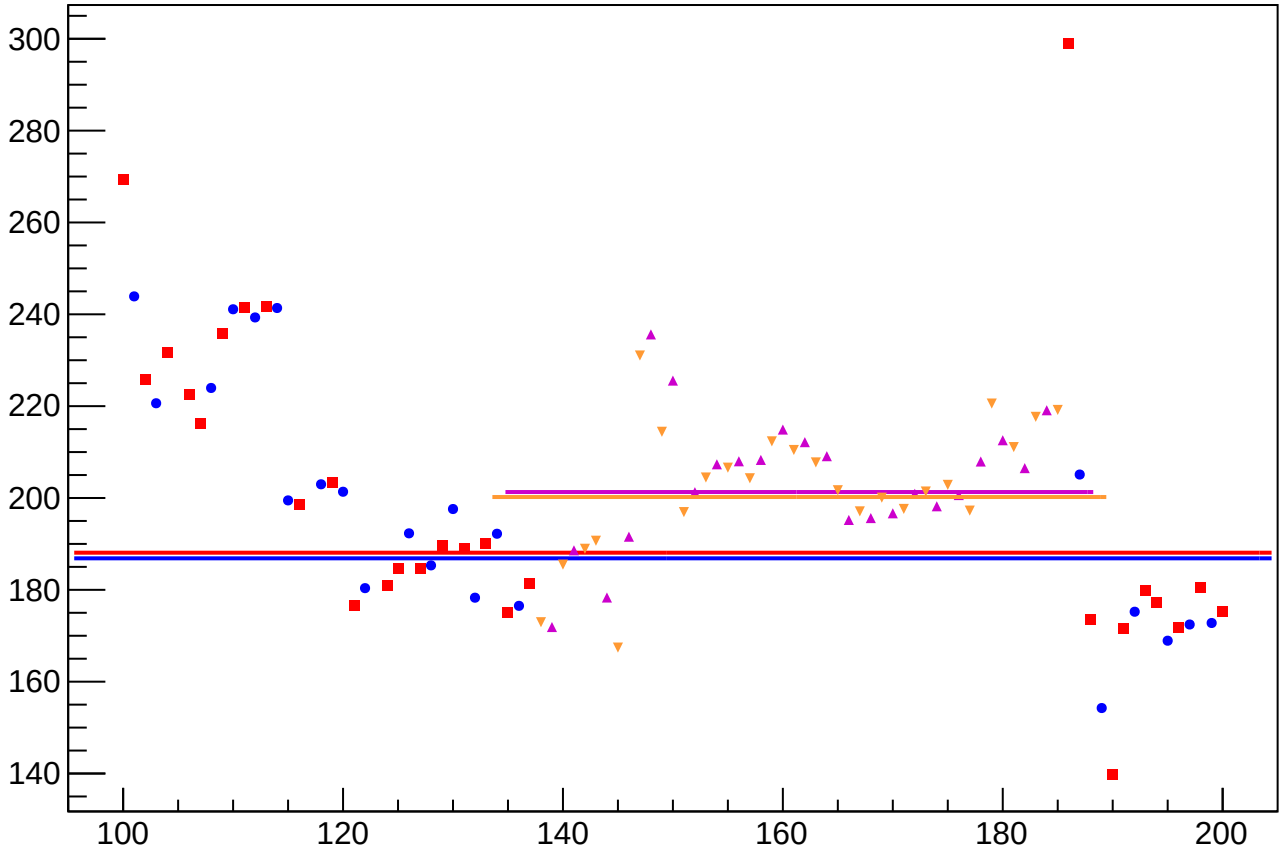
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.628+/-35.230 χ^2/NDF: 90.3/46

All: -13.420+/-24.741 χ^2/NDF: 179.0/97

- sign 104.538+/-34.754 χ^2/NDF: 65.3/50

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

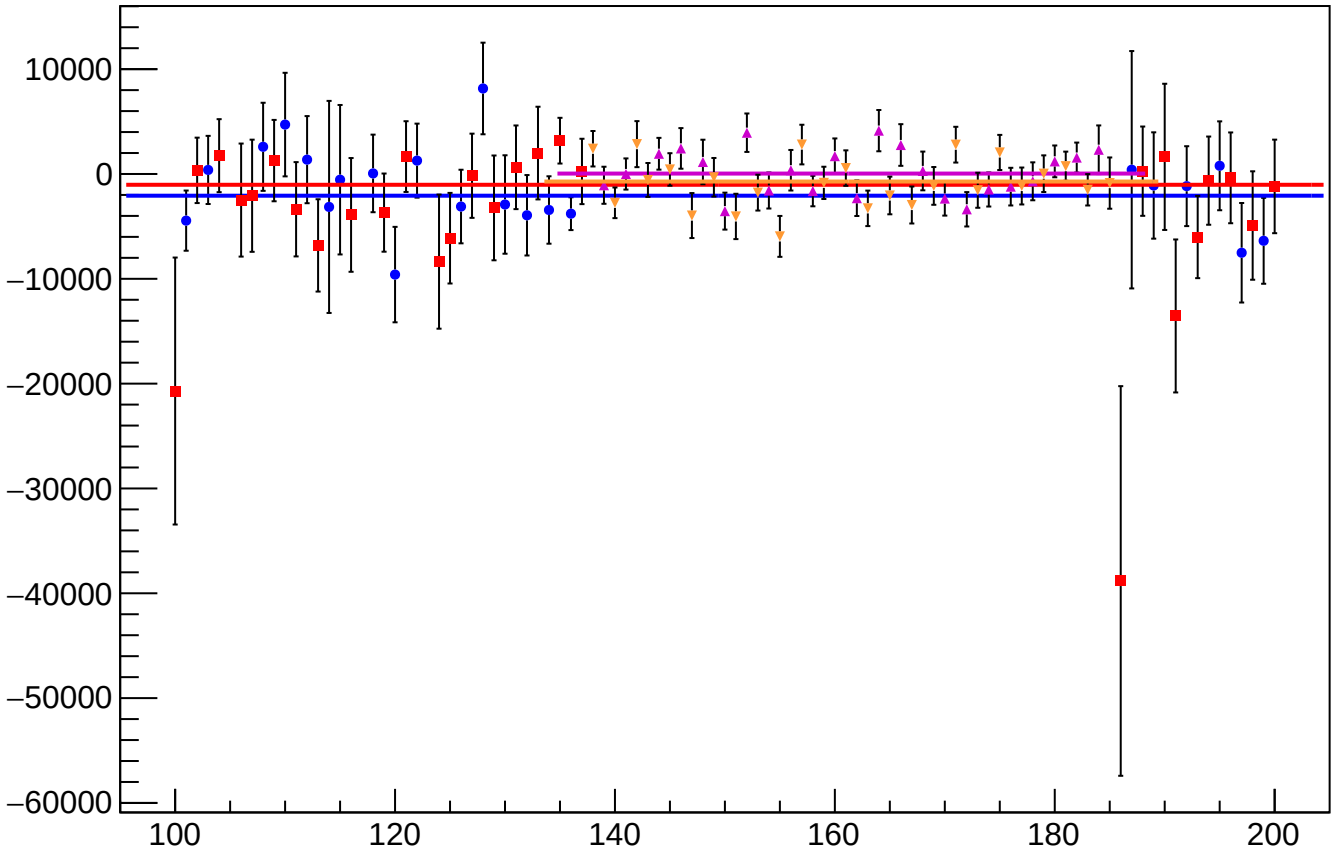
Right Out: 188.088+/-0.036 χ^2/NDF: 507530.9/27

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.823+/-0.025 χ^2/NDF: 619036.1/46

All: 195.048+/-0.017 χ^2/NDF: 1380059.2/97

- sign 195.266+/-0.025 χ^2/NDF: 760862.6/50



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1030.082+/-793.338 χ^2/NDF: 24.1/27

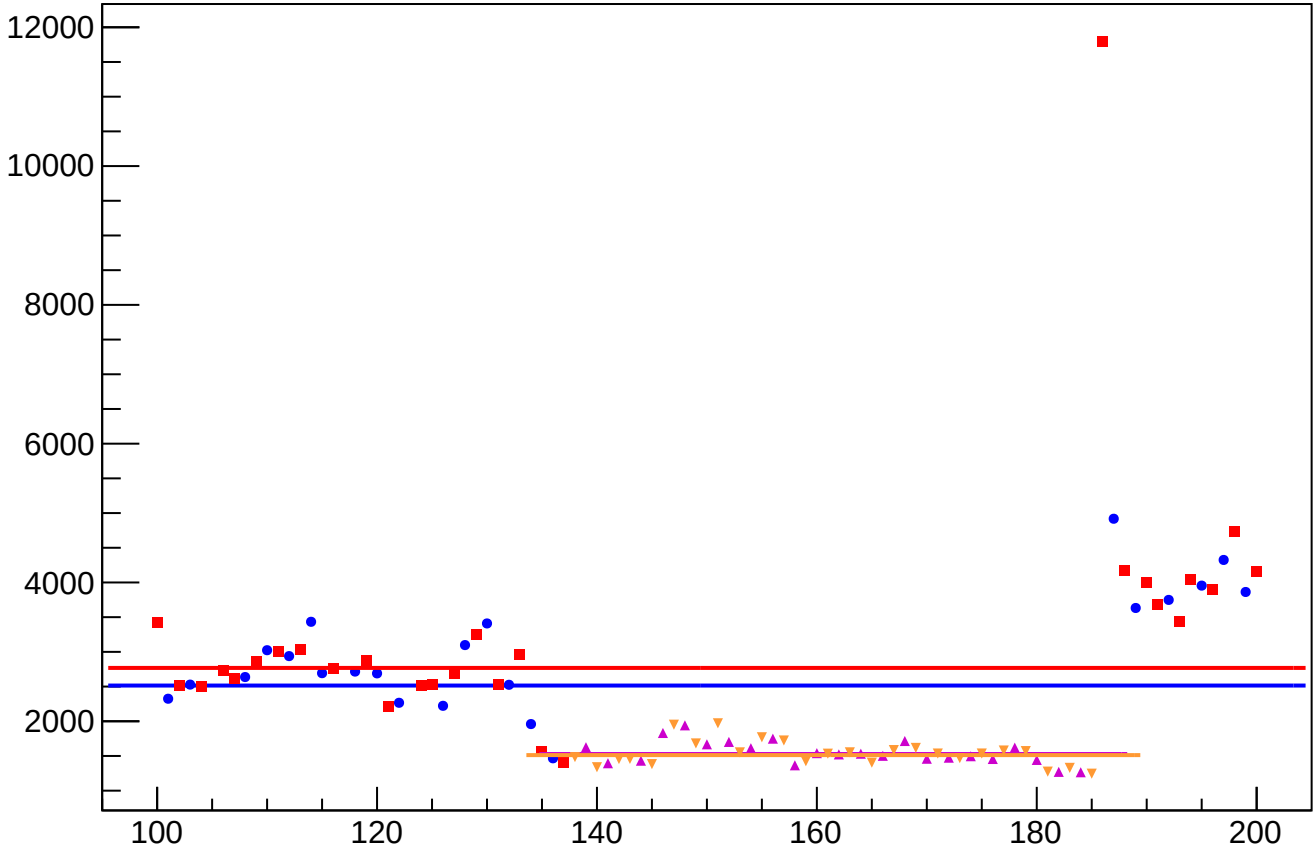
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -941.731+/-316.782 χ^2/NDF: 60.1/46

All: -555.227+/-227.617 χ^2/NDF: 123.2/97

- sign -142.705+/-327.271 χ^2/NDF: 60.0/50

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

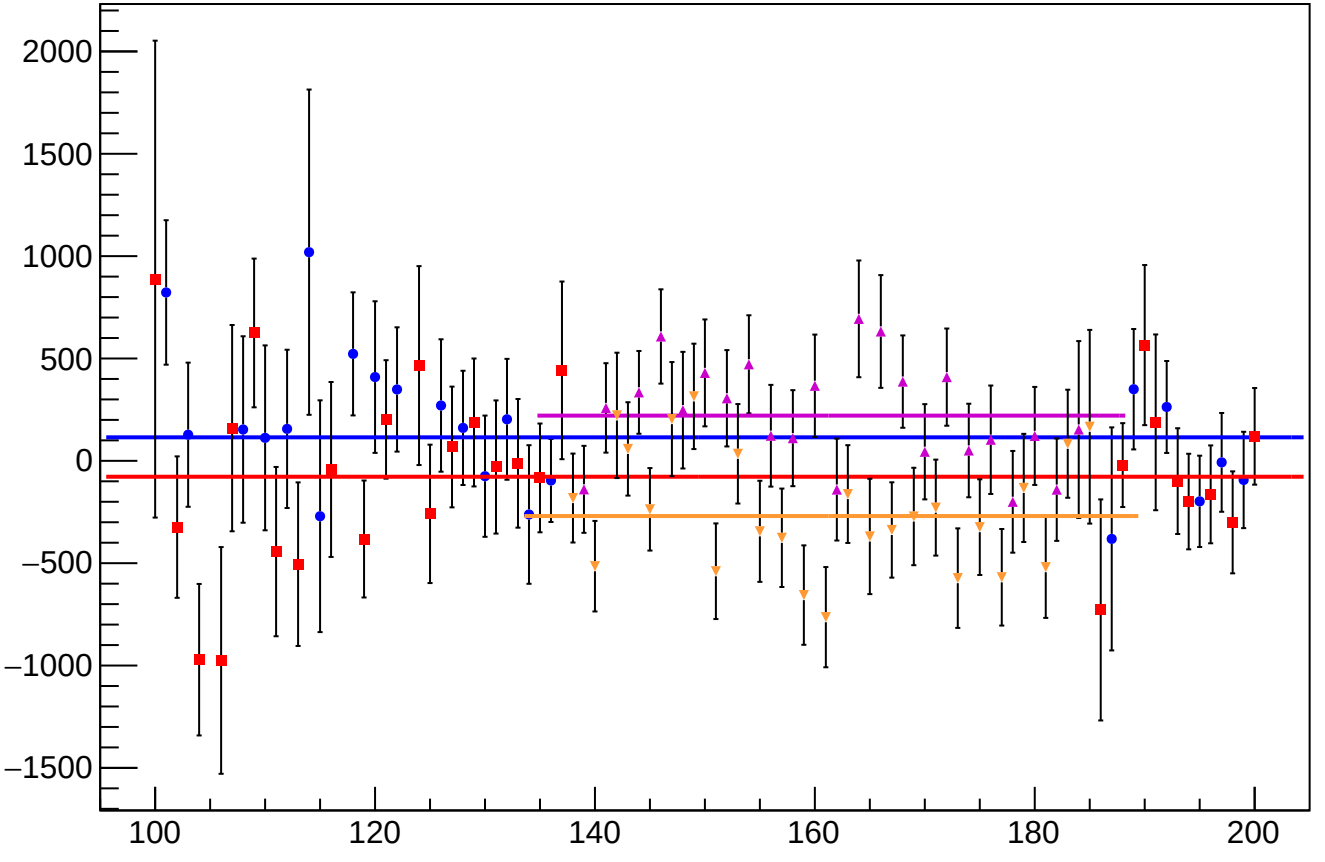
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486795.7/46

All: 1706.691+/-0.161 χ^2/NDF: 12740158.7/9

- sign 1739.103+/-0.231 χ^2/NDF: 7215367.0/50

dit_asym_sam_26_dd_mean vs Slug



Right In: 114.871+/-65.257 χ^2/NDF: 16.9/21

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -77.635+/-60.760 χ^2/NDF: 28.1/27

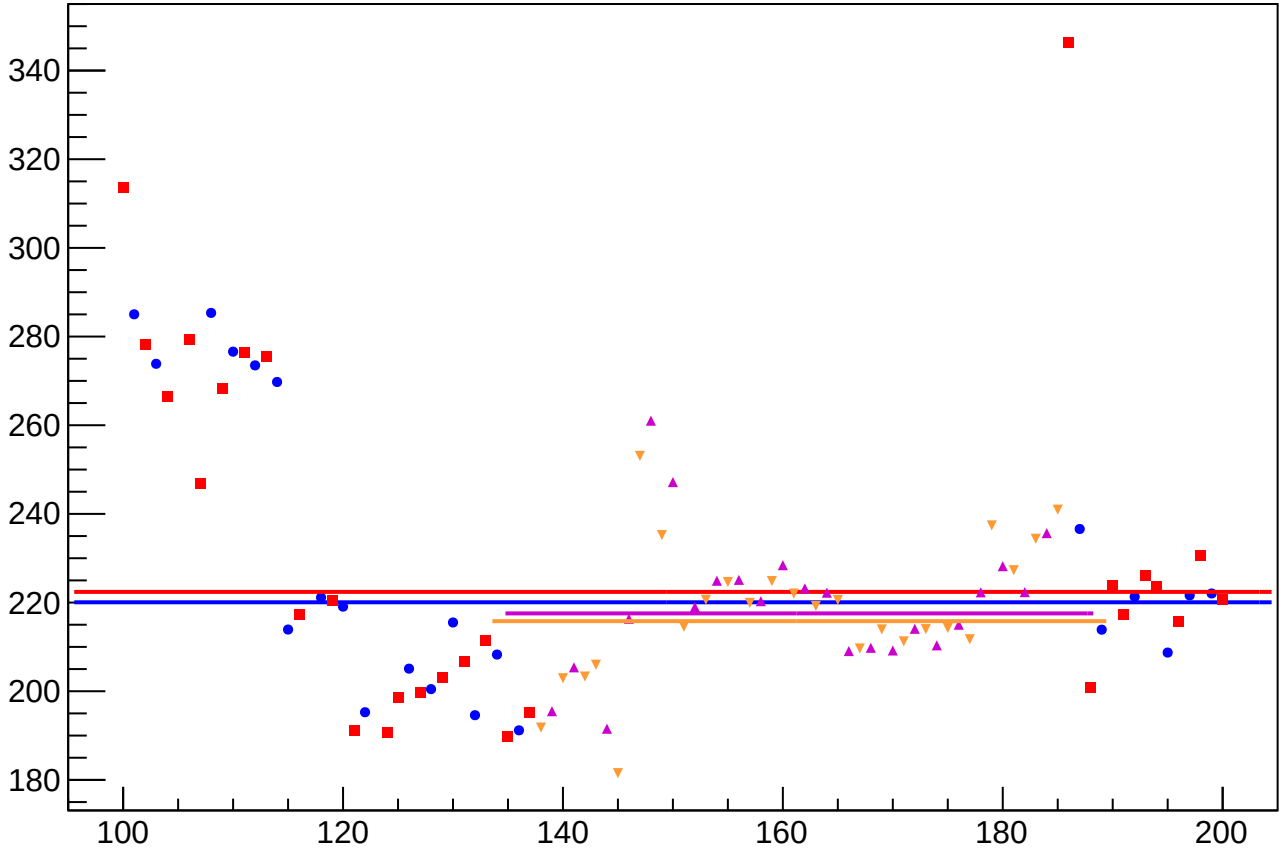
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -130.462+/-39.264 χ^2/NDF: 70.5/46

All: -15.764+/-27.685 χ^2/NDF: 153.1/97

- sign 97.649+/-39.043 χ^2/NDF: 65.7/50

dit_asym_sam_26_dd_rms vs Slug



Right In: 220.062+/-0.046 χ^2/NDF: 327218.0/21

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.407+/-0.043 χ^2/NDF: 459136.4/27

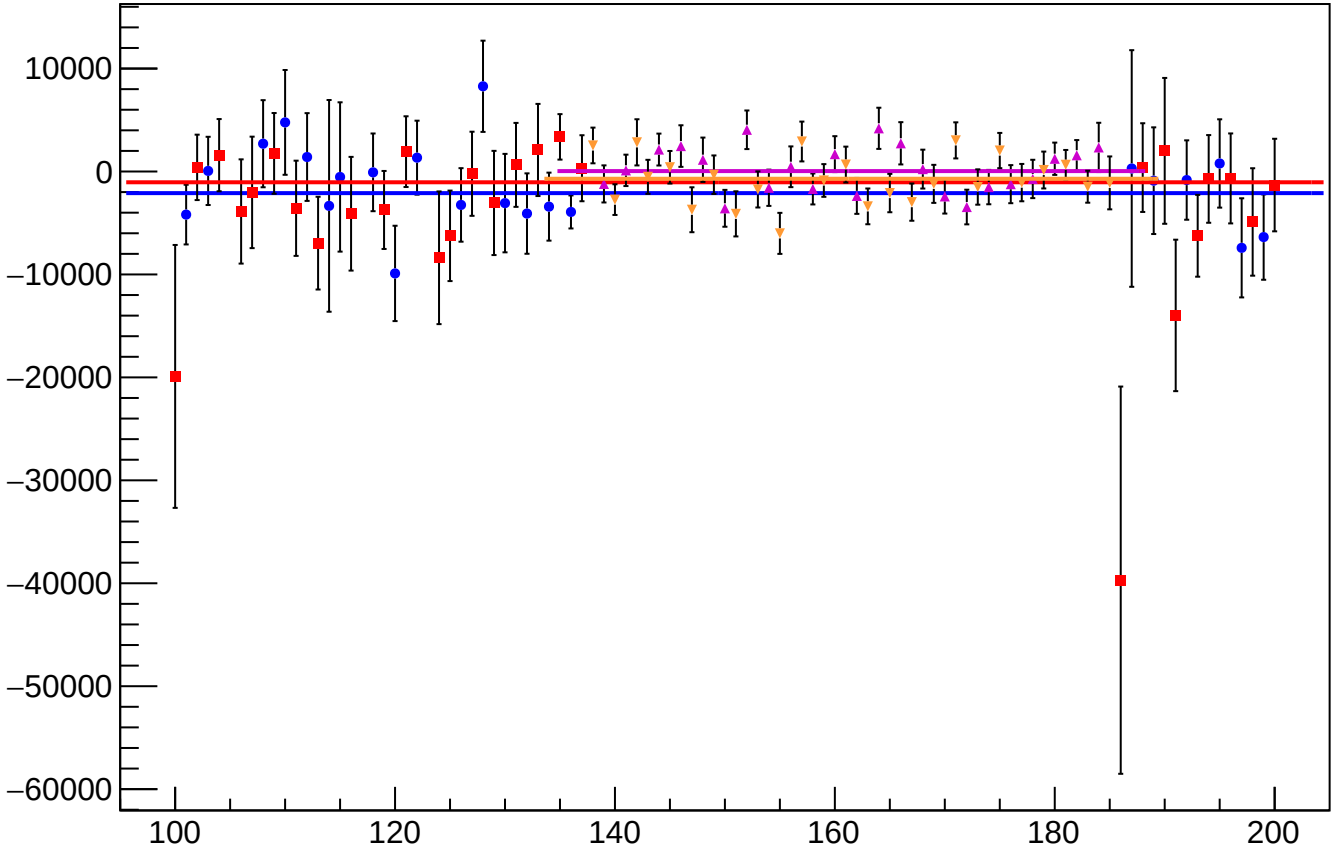
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

\+ sign 217.347+/-0.028 χ^2/NDF: 521342.0/46

All: 218.459+/-0.020 χ^2/NDF: 1152222.9/97

\- sign 219.558+/-0.028 χ^2/NDF: 627691.2/50

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2100.010+/-798.329 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1046.909+/-803.962 χ^2/NDF: 25.0/27

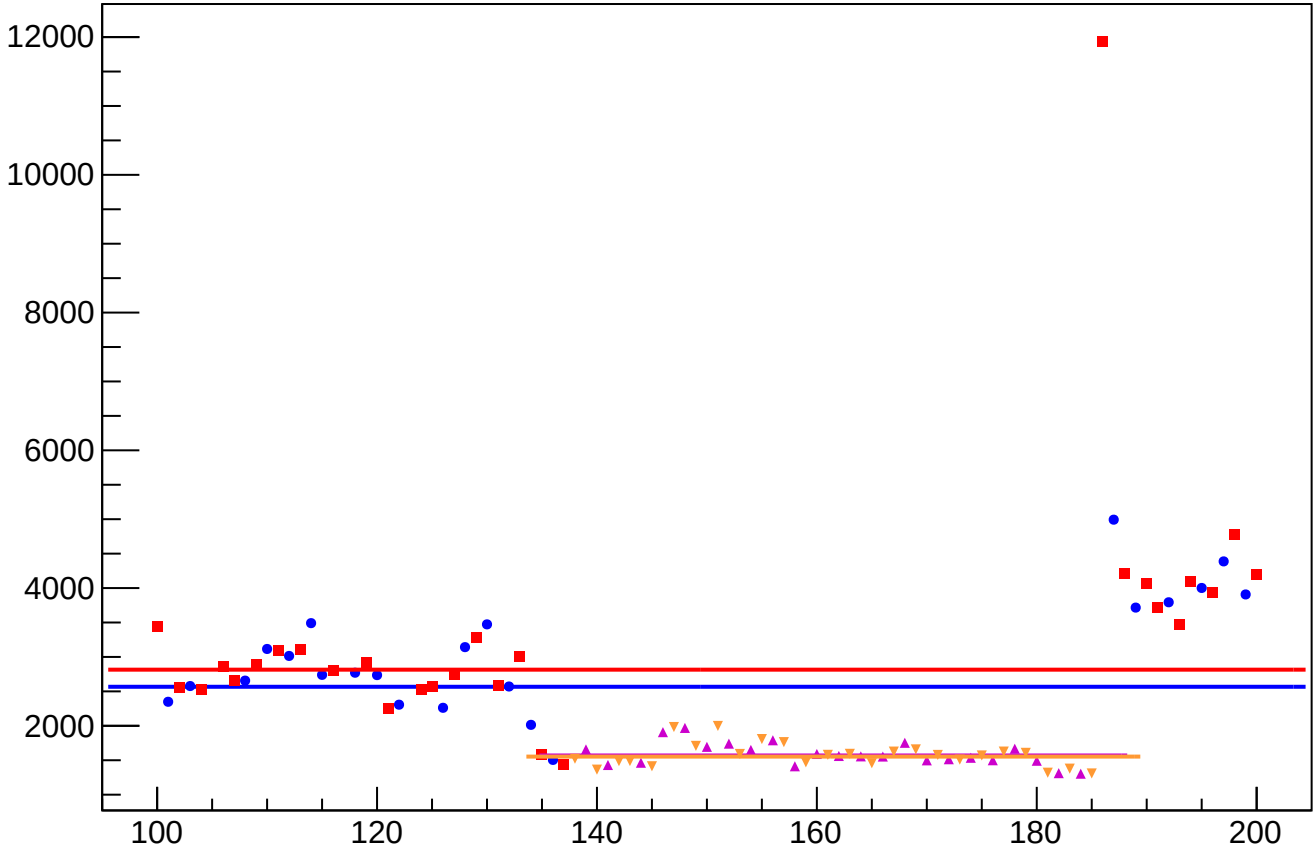
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -934.983+/-324.727 χ^2/NDF: 59.3/46

All: -554.688+/-233.254 χ^2/NDF: 123.0/97

- sign -149.302+/-335.268 χ^2/NDF: 60.8/50

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2566.757+/-0.565 χ^2/NDF: 2255697.2/21

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2815.161+/-0.568 χ^2/NDF: 2746681.1/27

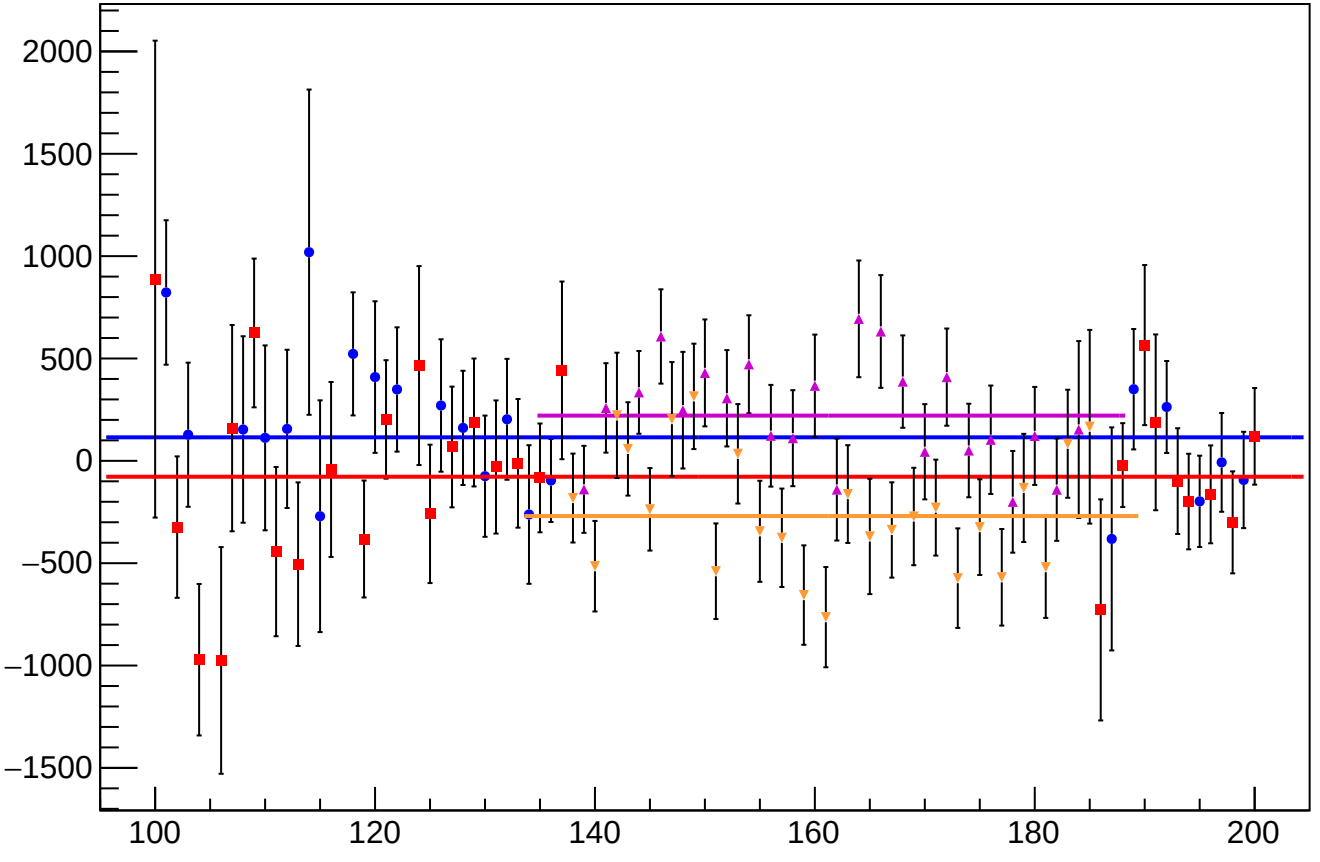
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1720.745+/-0.230 χ^2/NDF: 5356972.8/46

All: 1752.345+/-0.165 χ^2/NDF: 12467342.9/9

- sign 1786.031+/-0.237 χ^2/NDF: 7071239.9/50

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 114.873+/-65.256 χ^2/NDF: 16.9/21

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

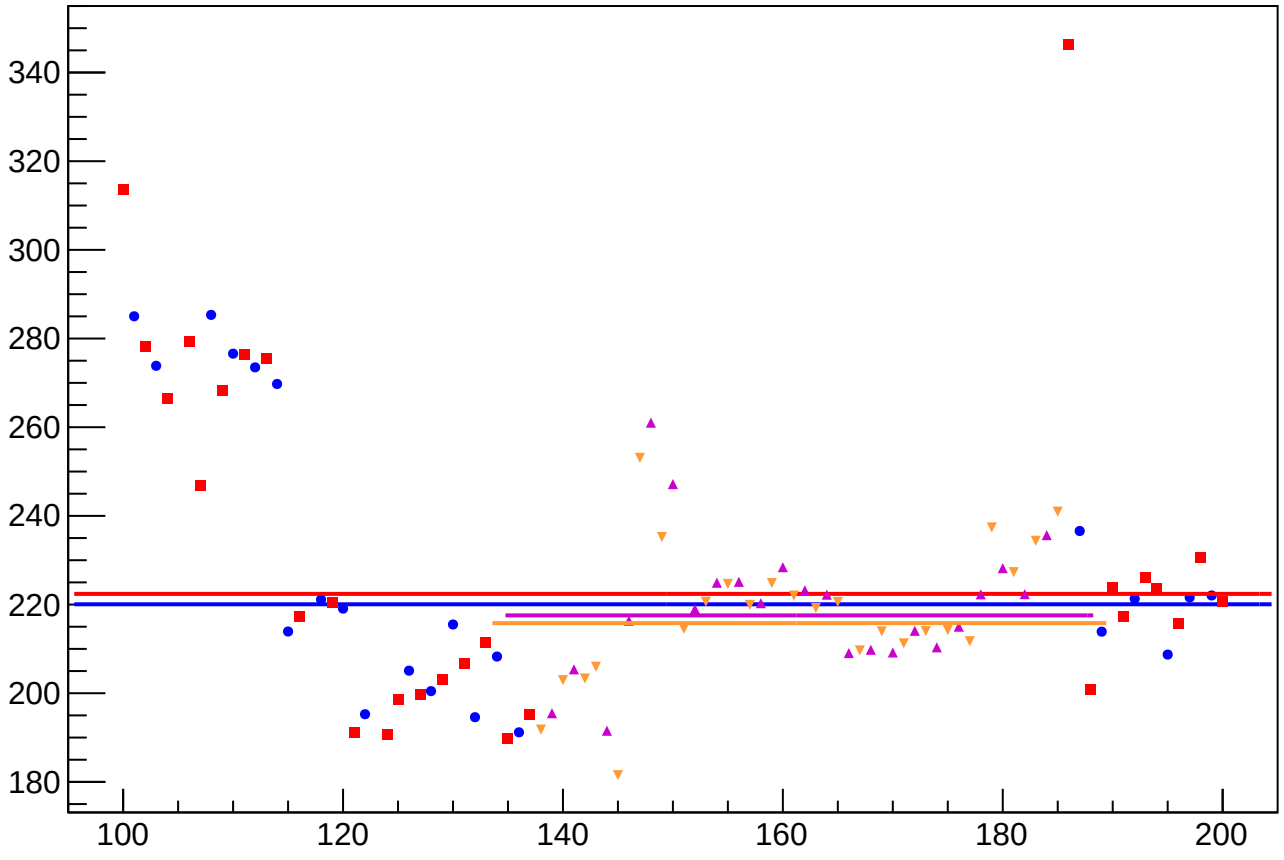
Right Out: -77.635+/-60.760 χ^2/NDF: 28.1/27

Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -130.462+/-39.264 χ^2/NDF: 70.5/46

All: -15.764+/-27.685 χ^2/NDF: 153.1/97

- sign 97.649+/-39.043 χ^2/NDF: 65.7/50



Right In: 220.061+/-0.046 χ^2/NDF: 327211.5/21

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

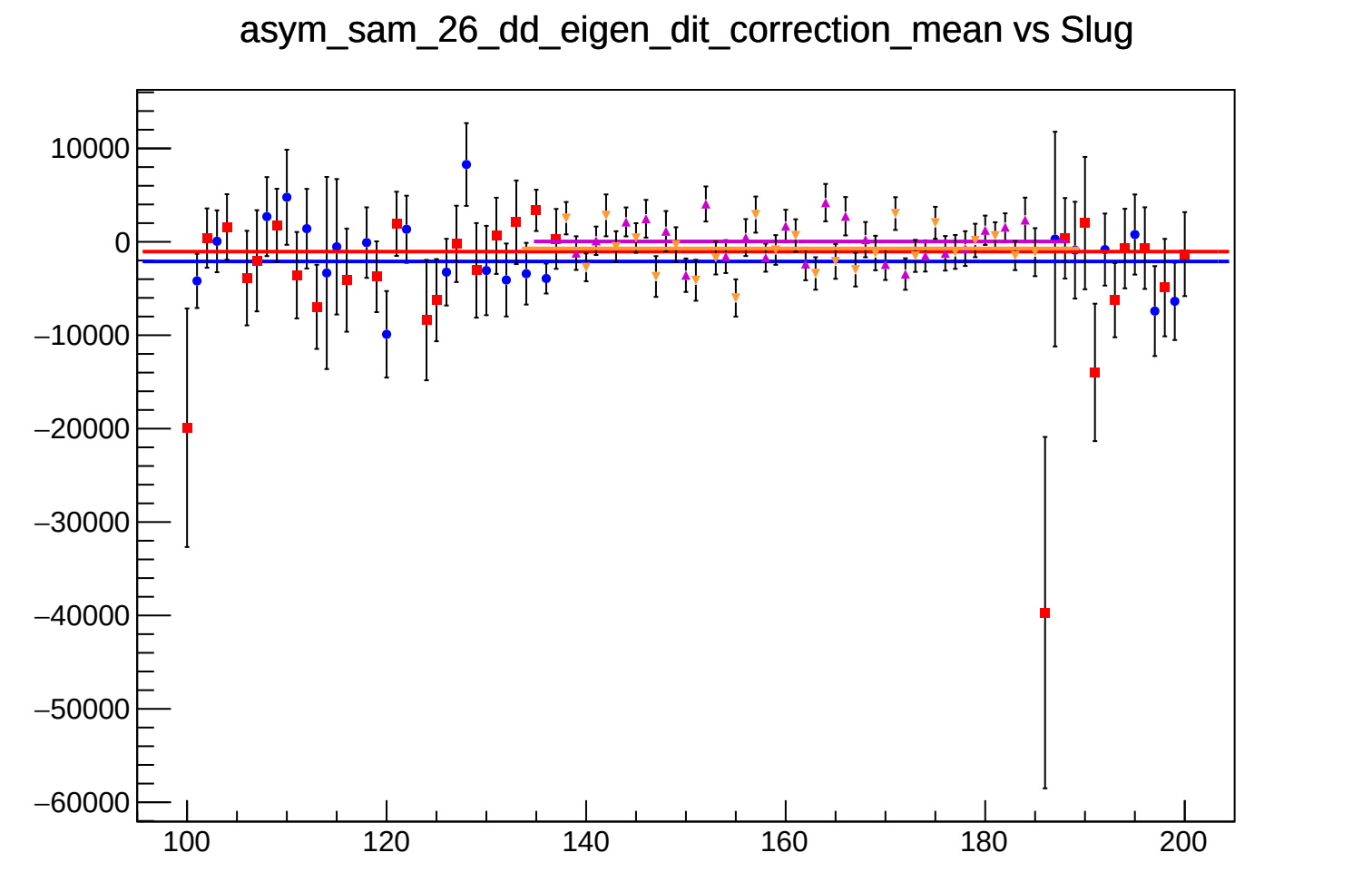
Right Out: 222.406+/-0.043 χ^2/NDF: 459121.5/27

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.347+/-0.028 χ^2/NDF: 521338.0/46

All: 218.458+/-0.020 χ^2/NDF: 1152205.5/97

- sign 219.558+/-0.028 χ^2/NDF: 627677.8/50



Right In: -2100.006+/-798.328 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1046.909+/-803.960 χ^2/NDF: 25.0/27

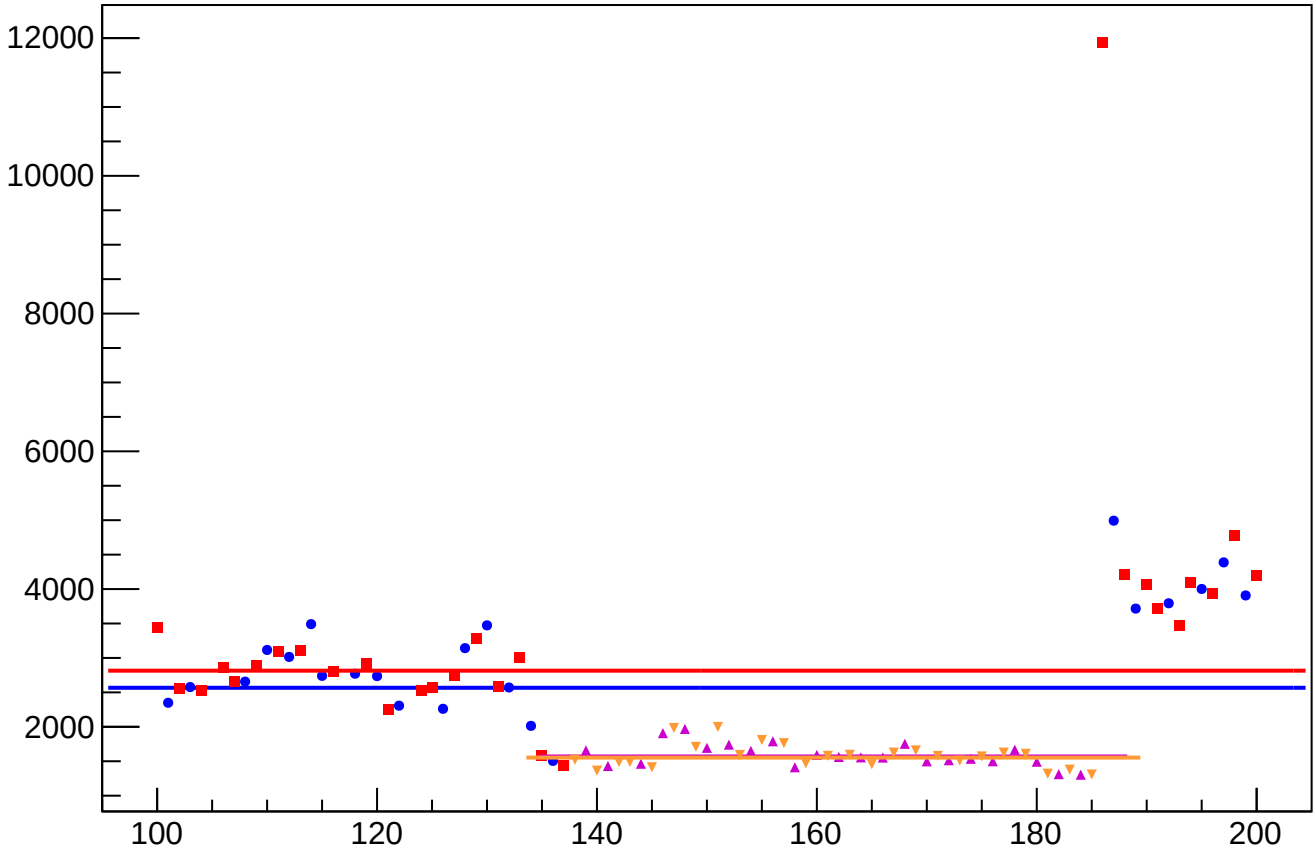
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -934.984+/-324.727 χ^2/NDF: 59.3/46

All: -554.689+/-233.254 χ^2/NDF: 123.0/97

- sign -149.303+/-335.268 χ^2/NDF: 60.8/50

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2566.754+/-0.565 χ^2/NDF: 2255691.6/21

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2815.158+/-0.568 χ^2/NDF: 2746682.5/27

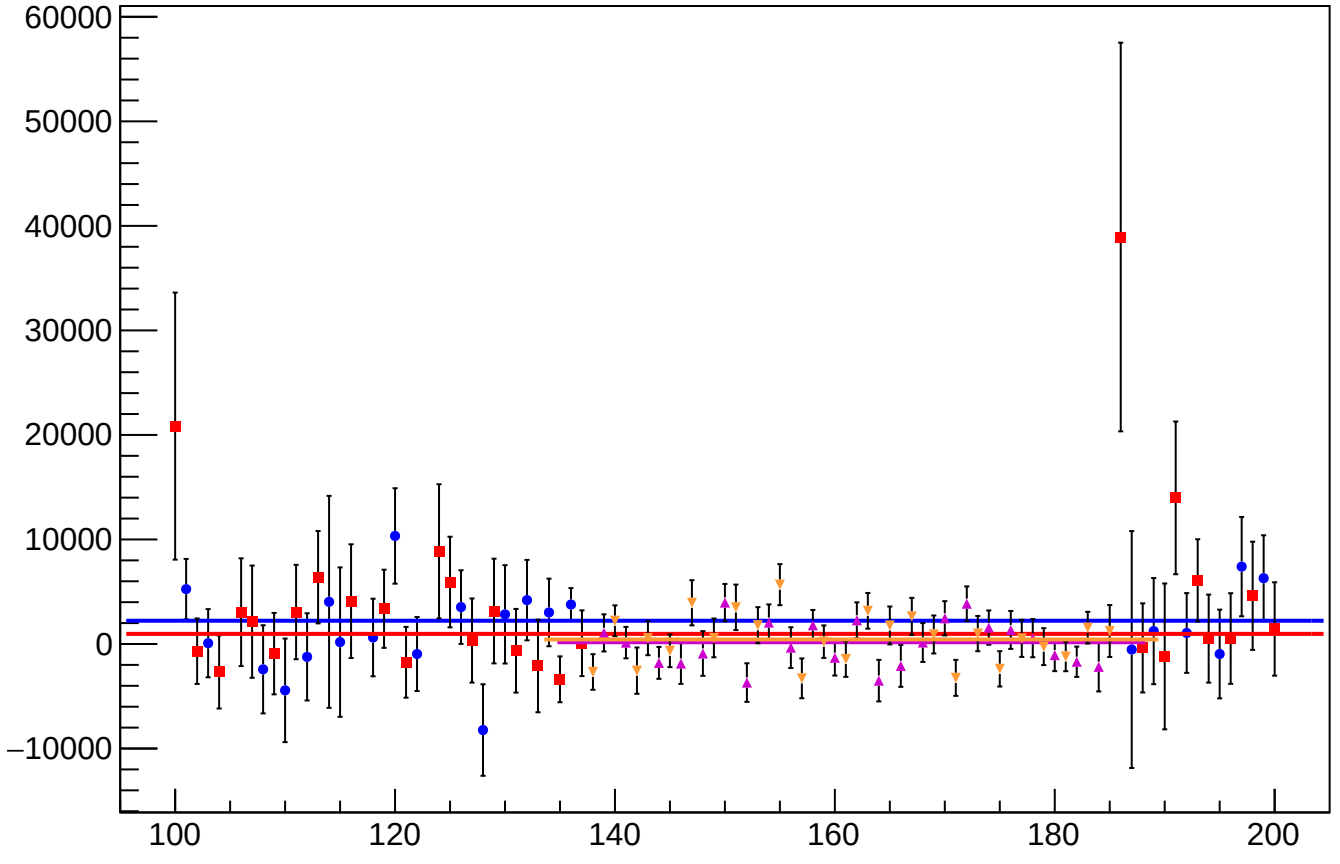
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1720.745+/-0.230 χ^2/NDF: 5356957.5/46

All: 1752.346+/-0.165 χ^2/NDF: 12467315.5/9

- sign 1786.031+/-0.237 χ^2/NDF: 7071228.2/50

asym_sam_26_dd_mean vs Slug



Right In: 2224.423+/-786.562 χ^2/NDF: 19.6/21

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 968.332+/-795.147 χ^2/NDF: 24.8/27

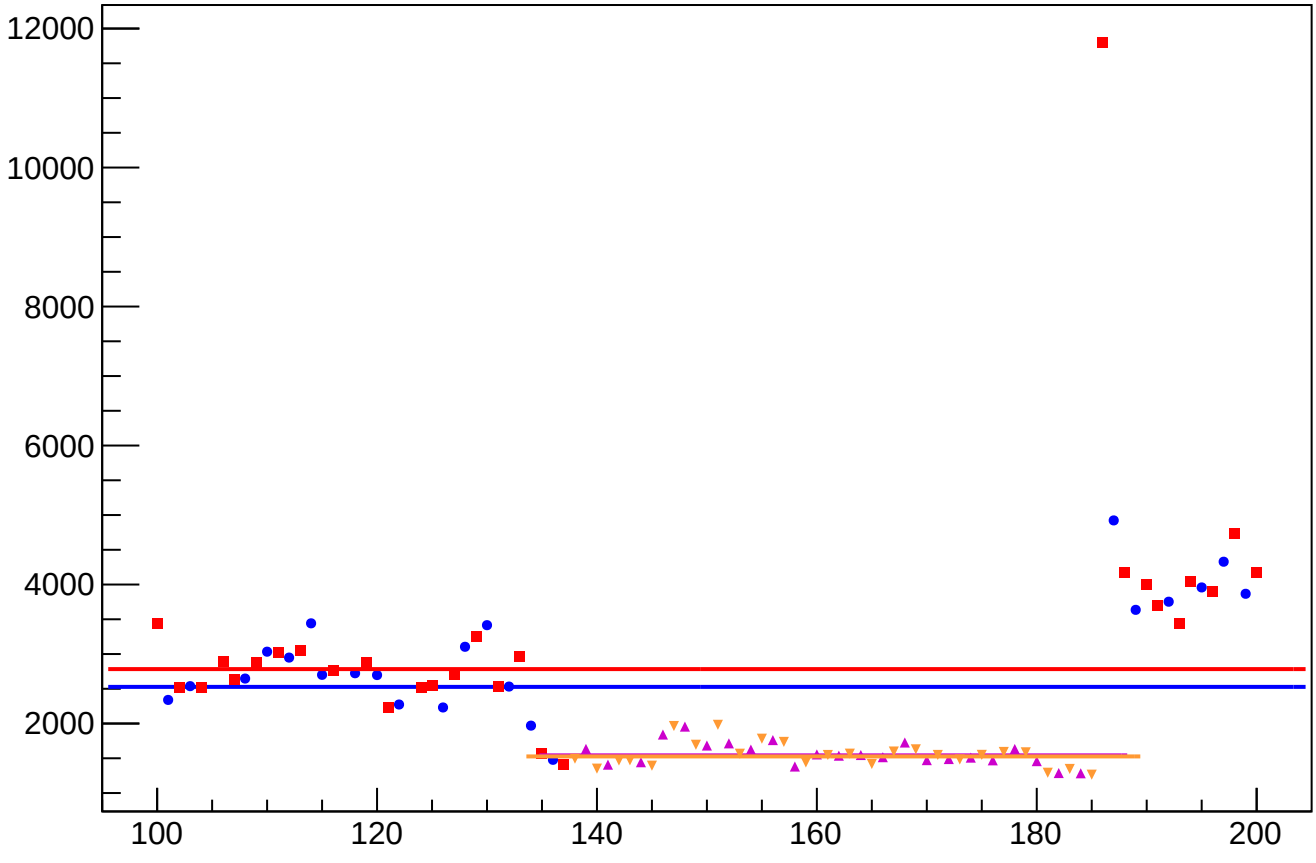
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 732.266+/-319.452 χ^2/NDF: 62.7/46

All: 526.586+/-229.484 χ^2/NDF: 122.2/97

- sign 307.260+/-329.878 χ^2/NDF: 58.6/50

asym_sam_26_dd_rms vs Slug



Right In: 2527.346+/-0.556 χ^2/NDF: 2273386.9/21

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2783.257+/-0.562 χ^2/NDF: 2753944.8/27

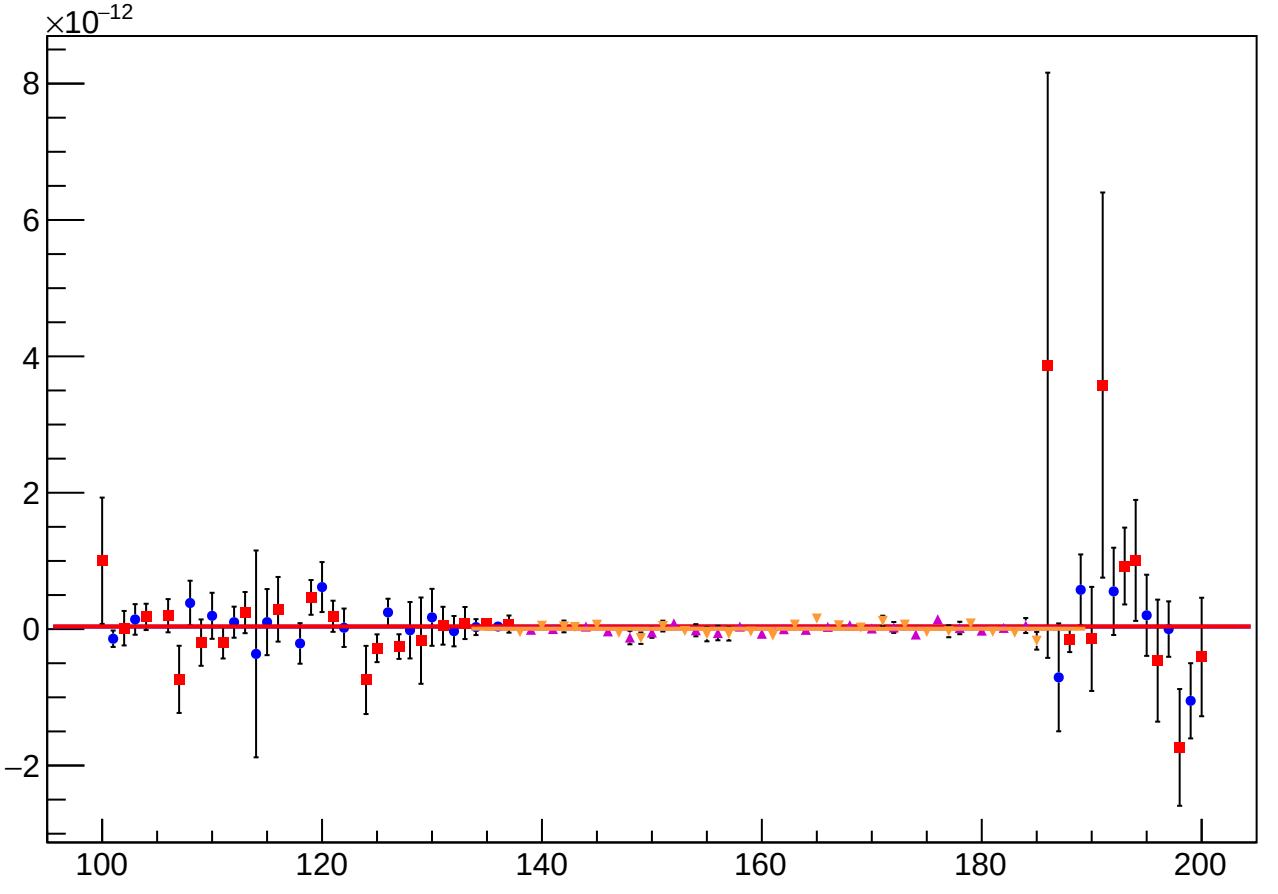
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1691.775+/-0.226 χ^2/NDF: 5405670.9/46

All: 1722.785+/-0.162 χ^2/NDF: 12594019.7/9

- sign 1755.853+/-0.233 χ^2/NDF: 7149405.2/50

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

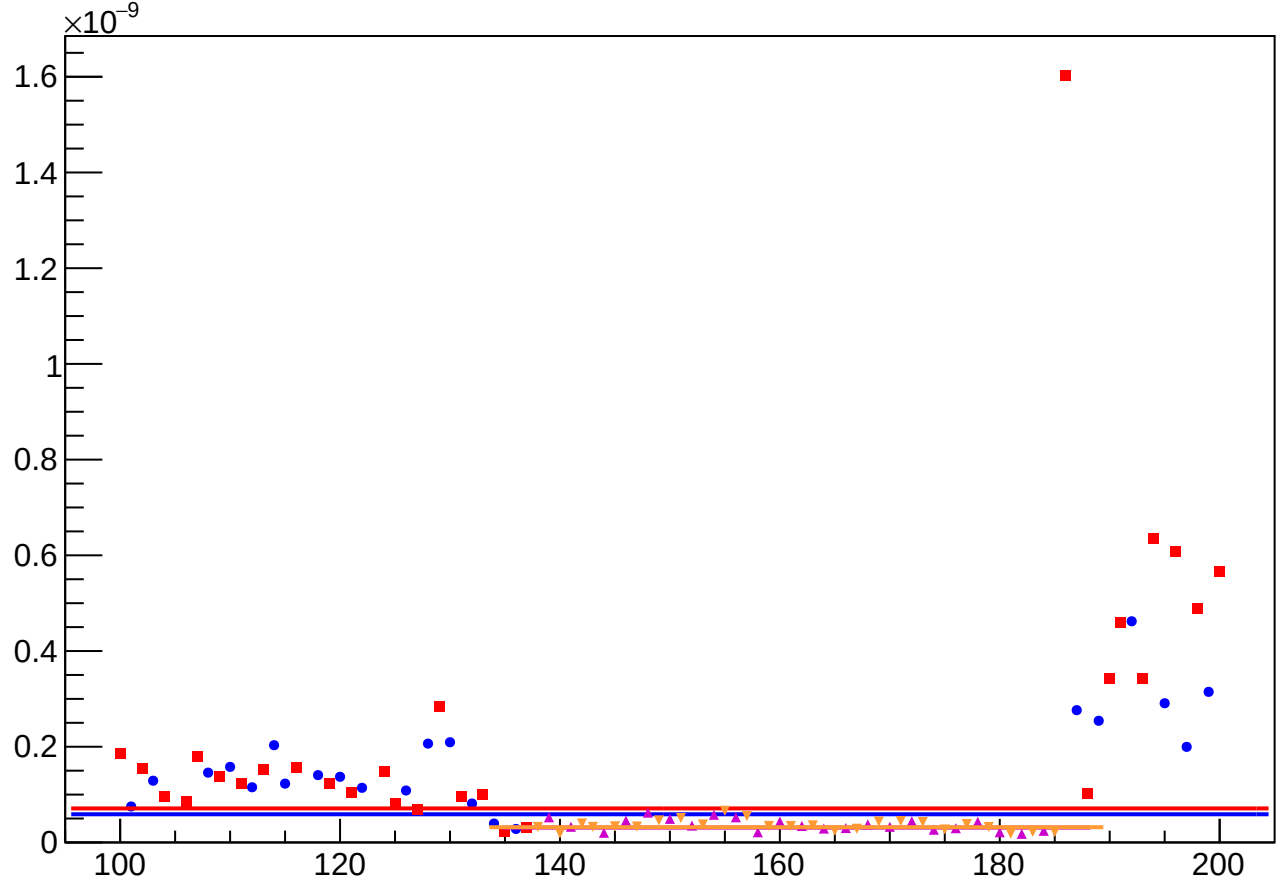
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/46

All: 0.000+/-0.000 χ^2/NDF: 94.2/97

- sign 0.000+/-0.000 χ^2/NDF: 47.7/50

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4831311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6229322.6/27

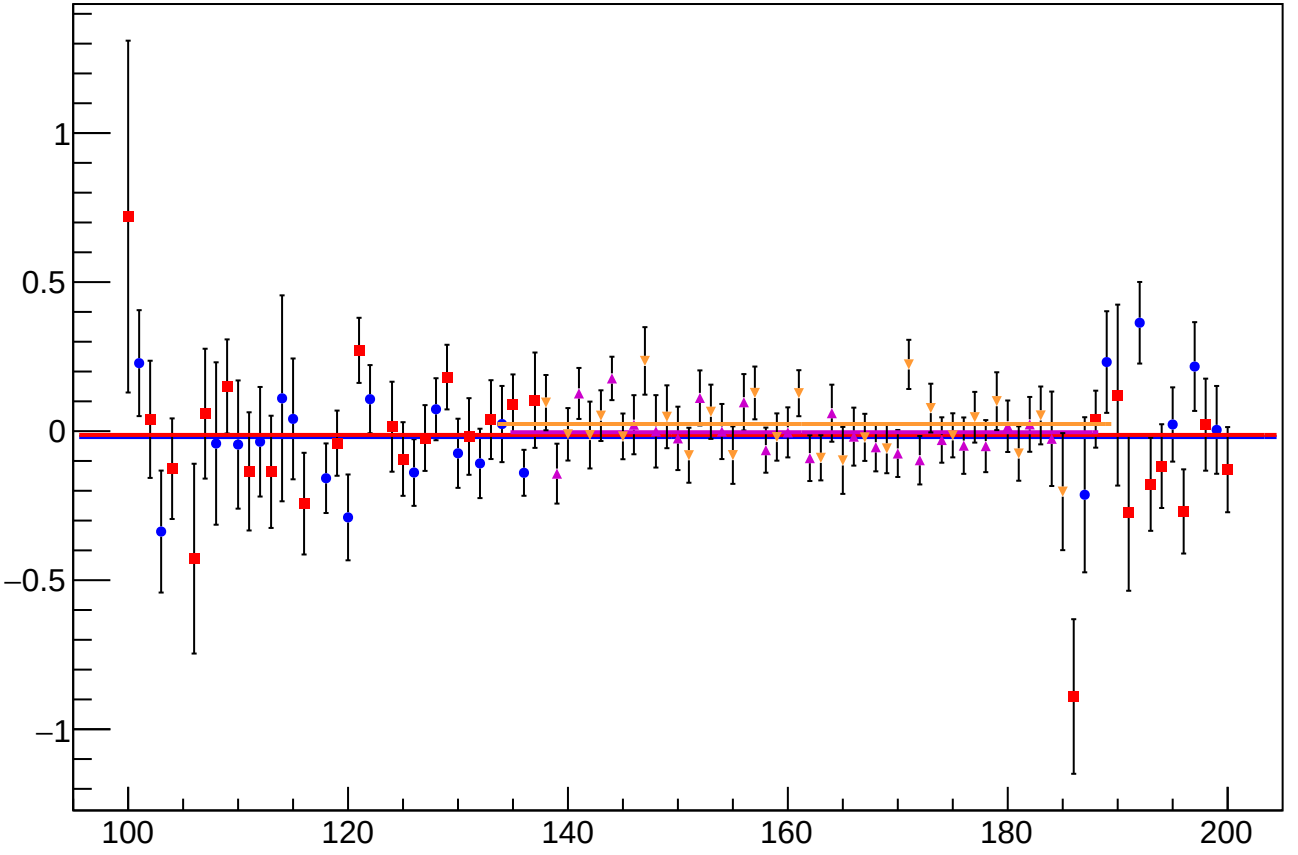
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7082673.2/46

All: 0.000+/-0.000 χ^2/NDF: 16588481.2/97

- sign 0.000+/-0.000 χ^2/NDF: 9505304.4/50

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

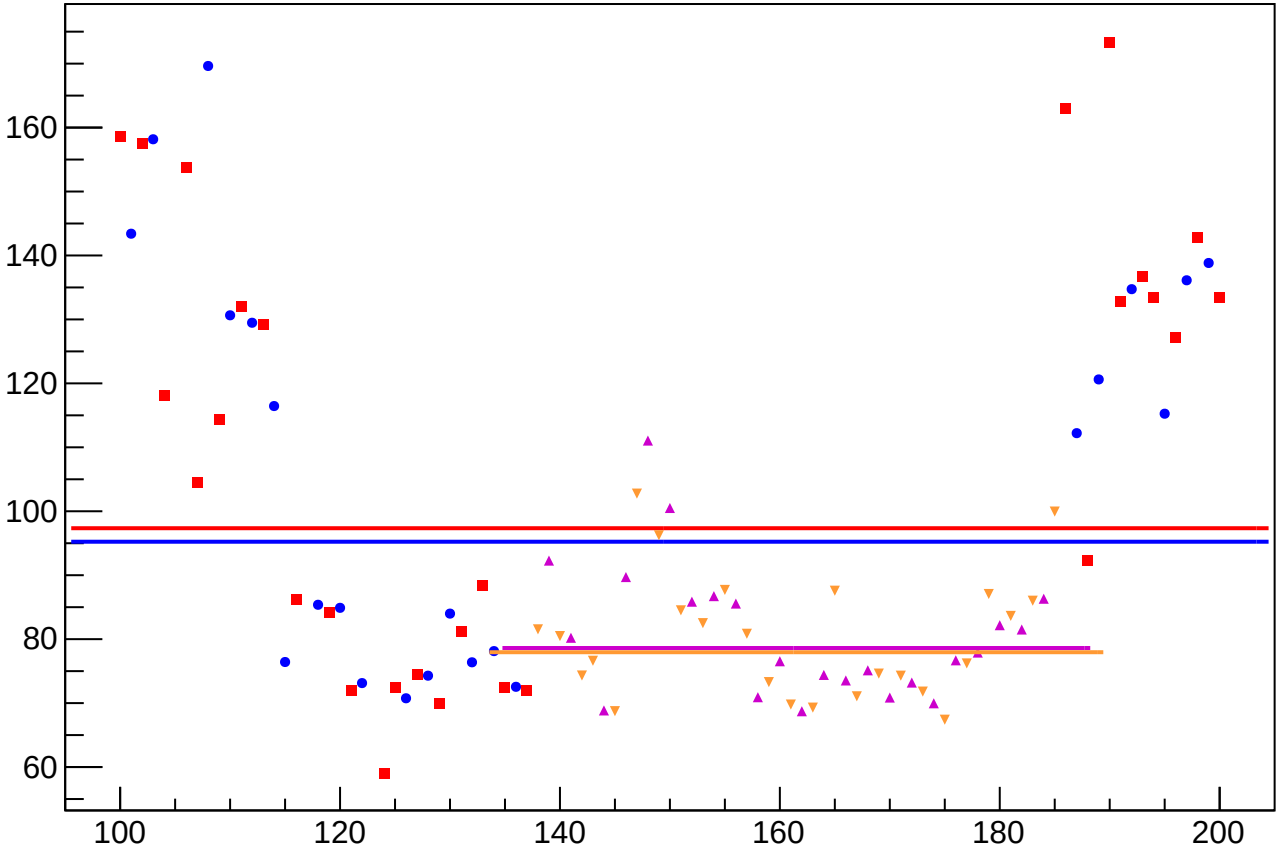
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.003+/-0.011 χ^2/NDF: 114.5/97

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

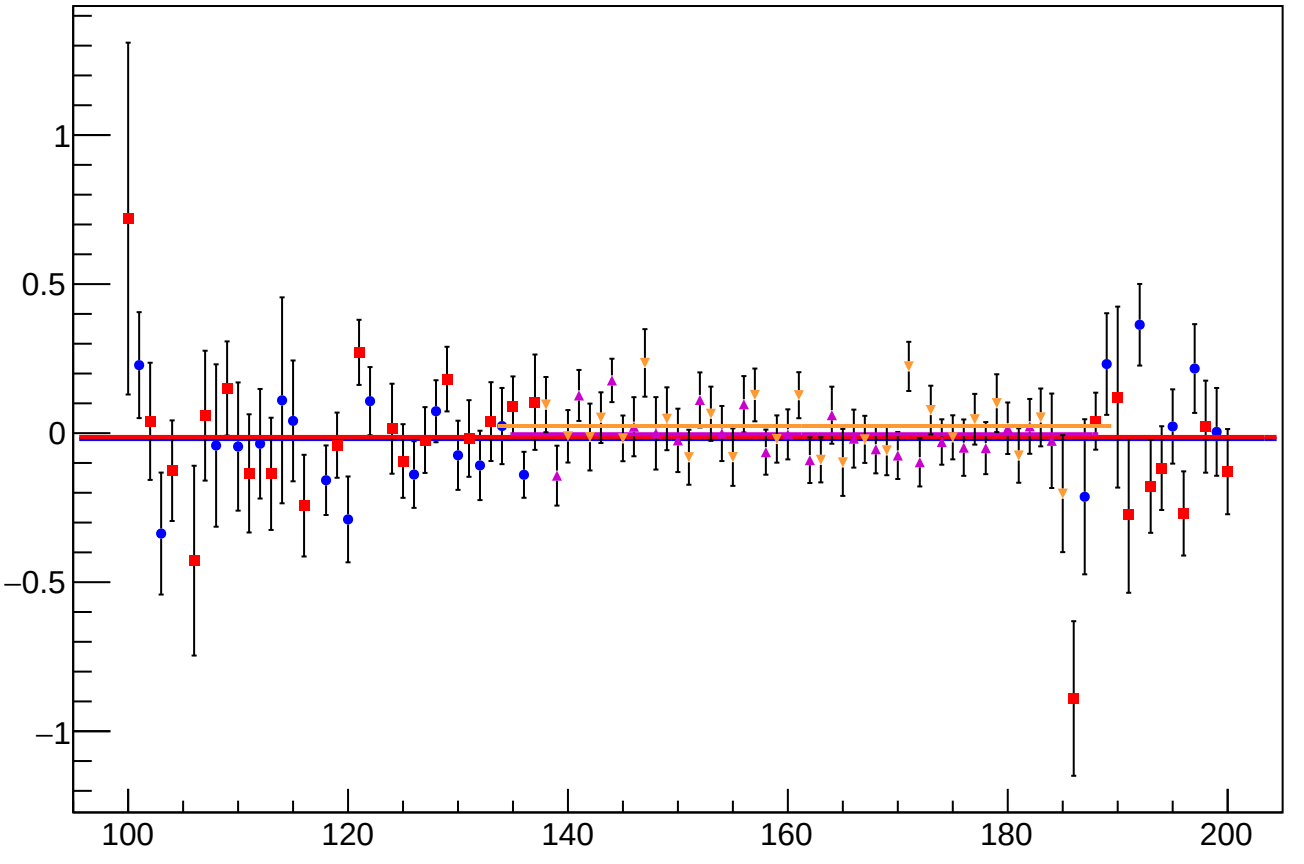
Right Out: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.621+/-0.011 χ^2/NDF: 2732780.2/46

All: 83.511+/-0.008 χ^2/NDF: 6045002.7/97

- sign 84.420+/-0.011 χ^2/NDF: 3298475.7/50



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

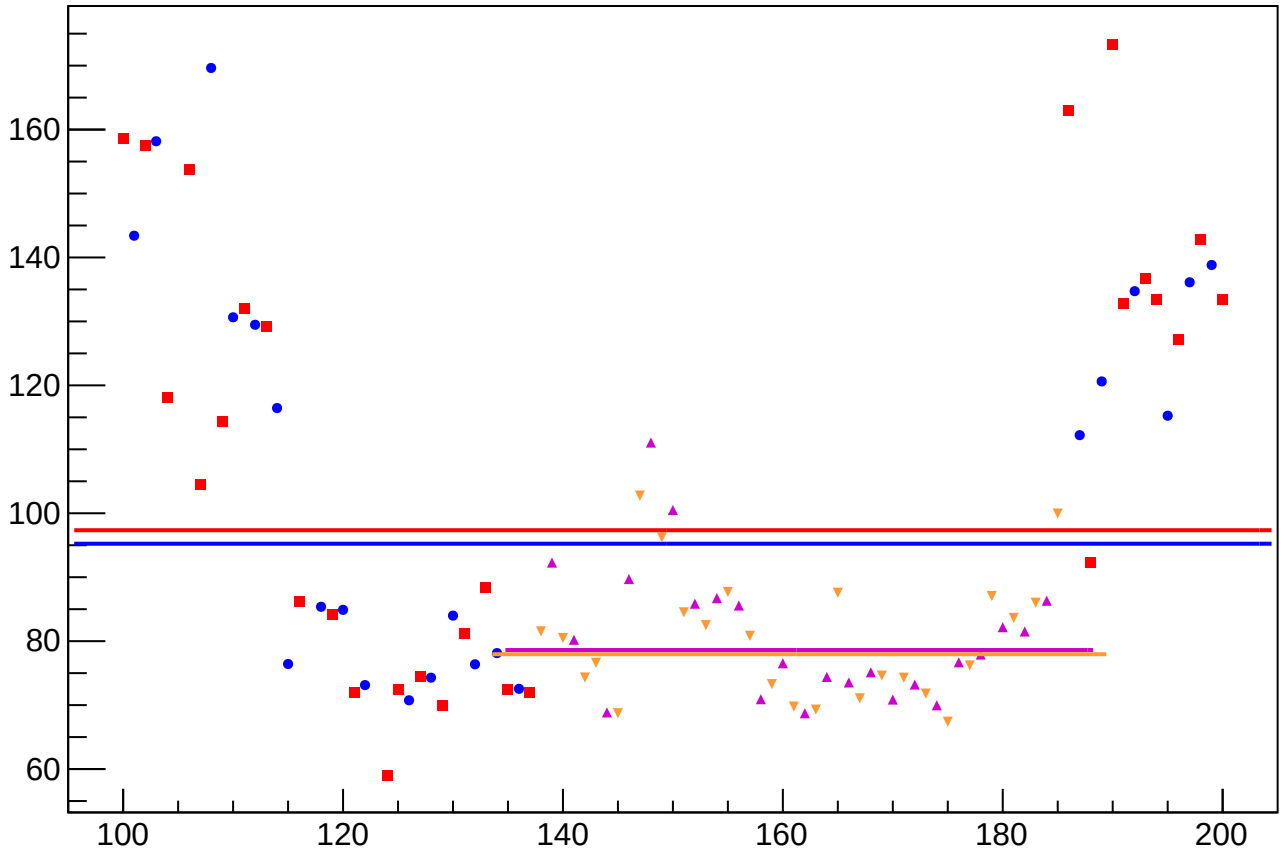
Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.003+/-0.011 χ^2/NDF: 114.5/97

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

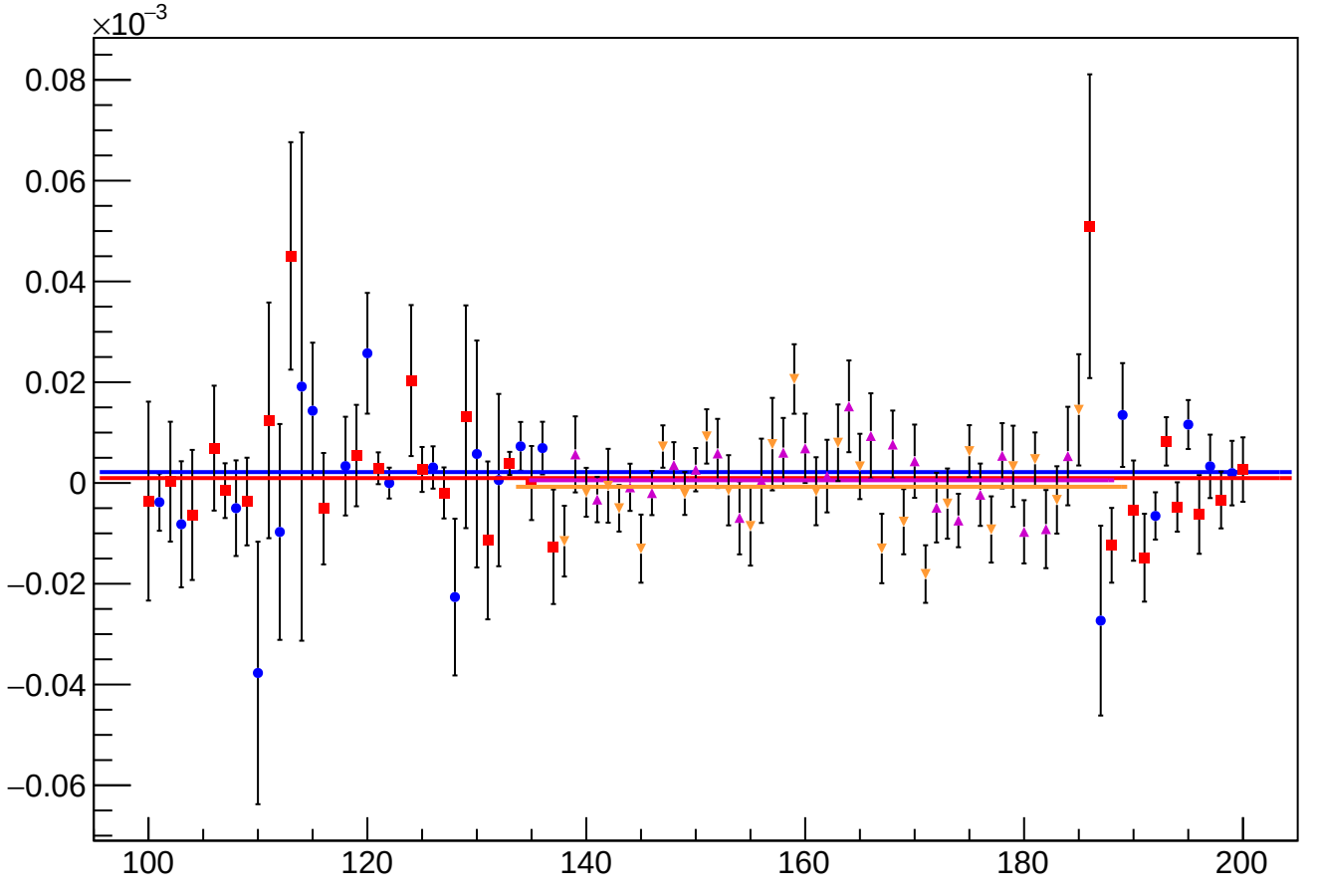
Right Out: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.621+/-0.011 χ^2/NDF: 2732780.2/46

All: 83.511+/-0.008 χ^2/NDF: 6045002.7/97

- sign 84.420+/-0.011 χ^2/NDF: 3298475.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

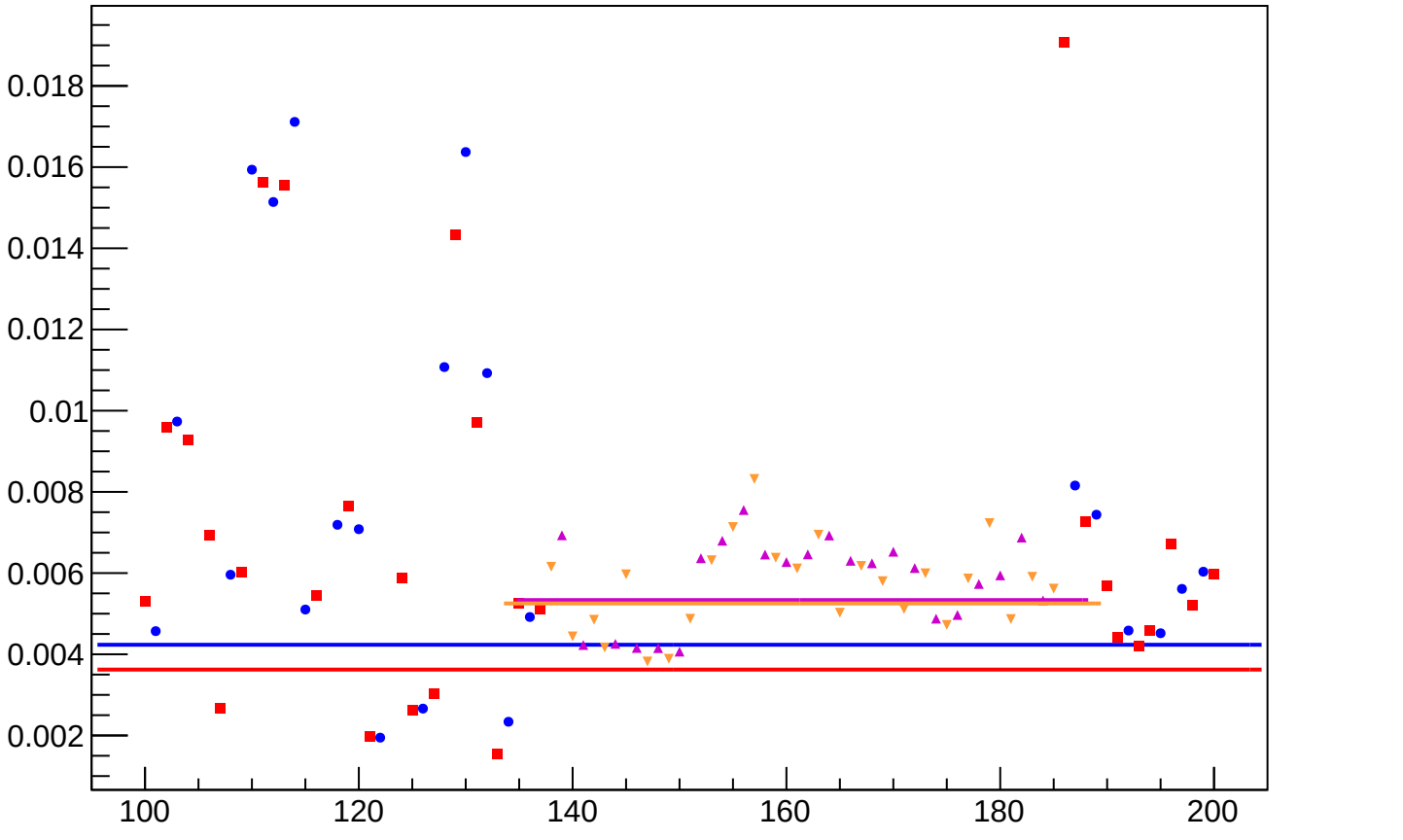
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/46

All: 0.000+/-0.000 χ^2/NDF: 121.6/97

- sign 0.000+/-0.000 χ^2/NDF: 45.8/50



Right In: 0.004+/-0.000 χ^2/NDF: 5379211.1/21

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 7952760.4/27

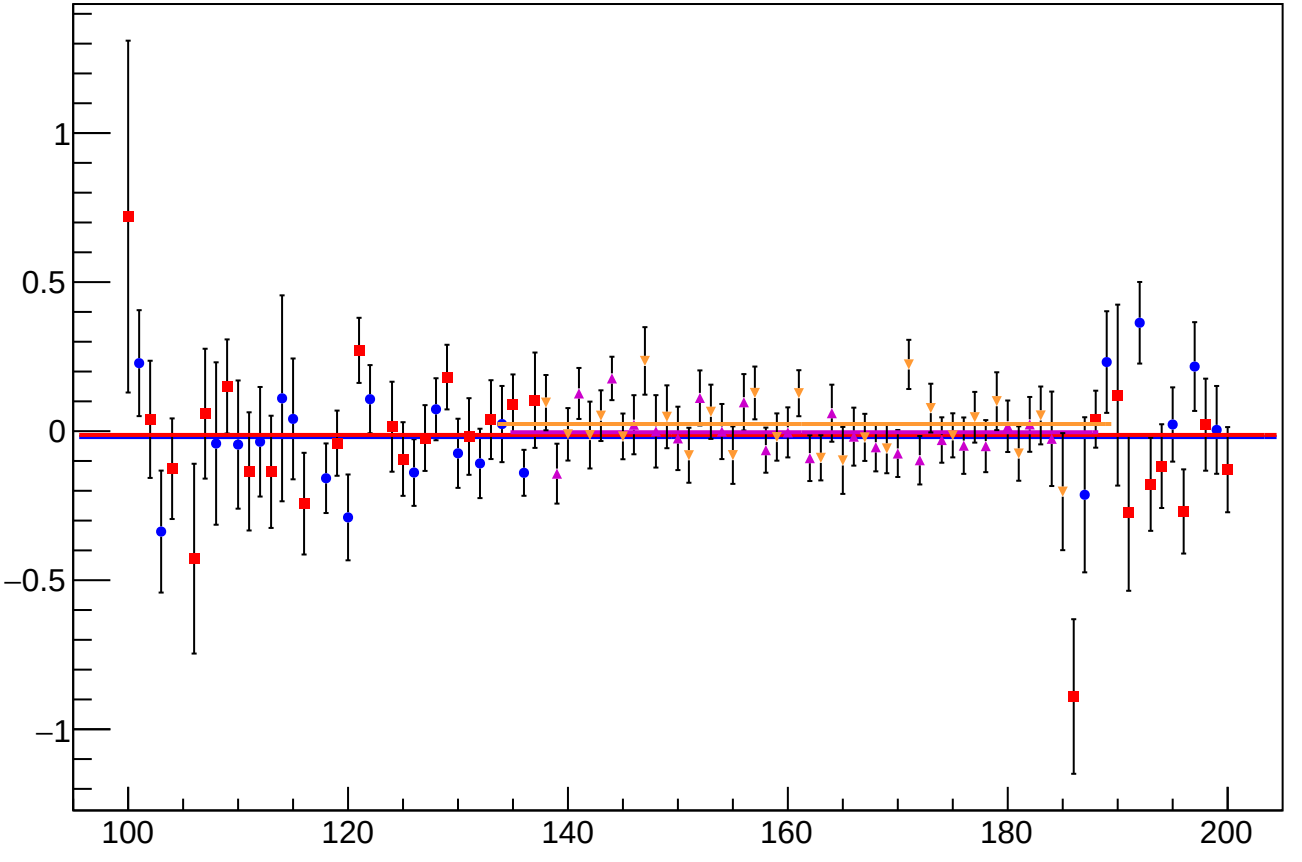
Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7467425.9/46

All: 0.005+/-0.000 χ^2/NDF: 19057420.4/97

- sign 0.004+/-0.000 χ^2/NDF: 11380871.2/50

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

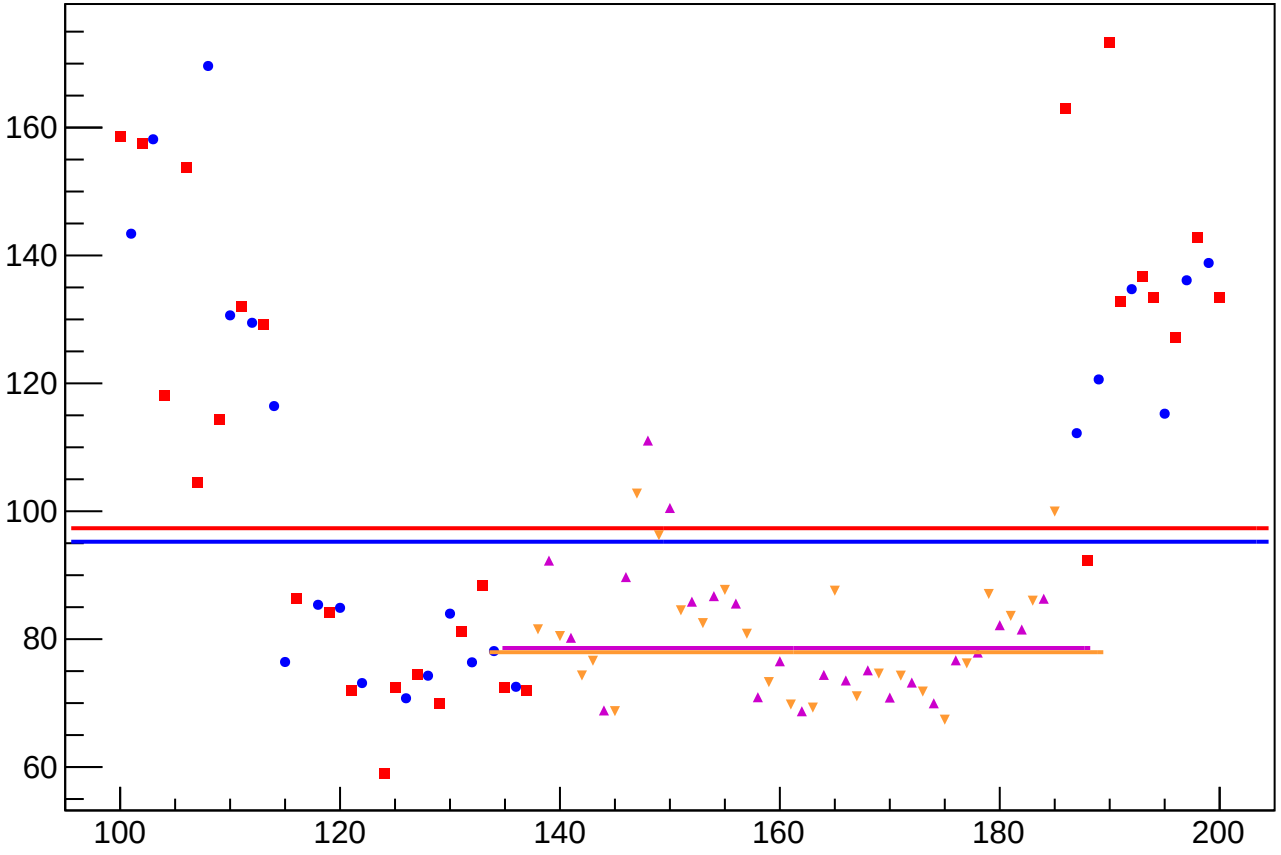
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.003+/-0.011 χ^2/NDF: 114.5/97

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

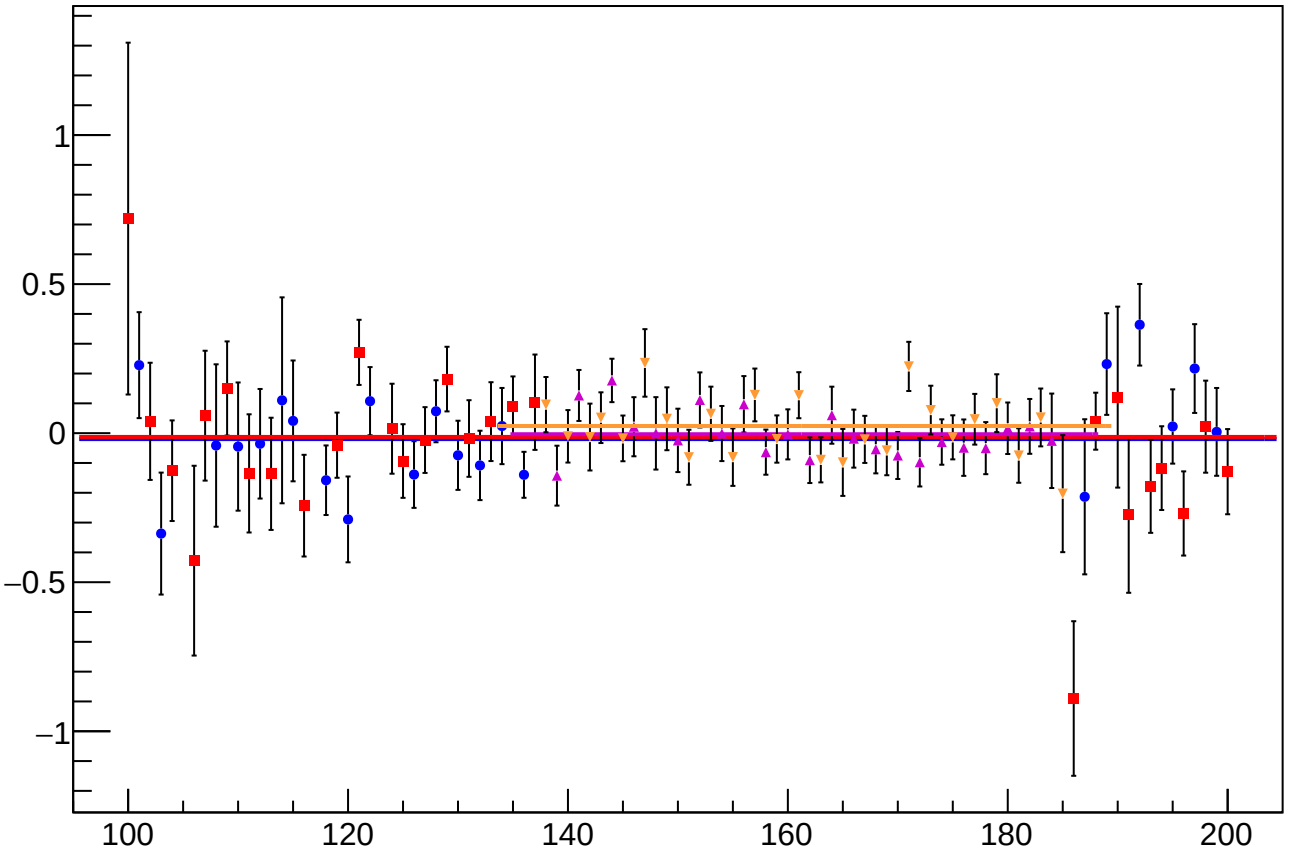
Right Out: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.620+/-0.011 χ^2/NDF: 2732789.6/46

All: 83.510+/-0.008 χ^2/NDF: 6045038.5/97

- sign 84.419+/-0.011 χ^2/NDF: 3298505.1/50



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

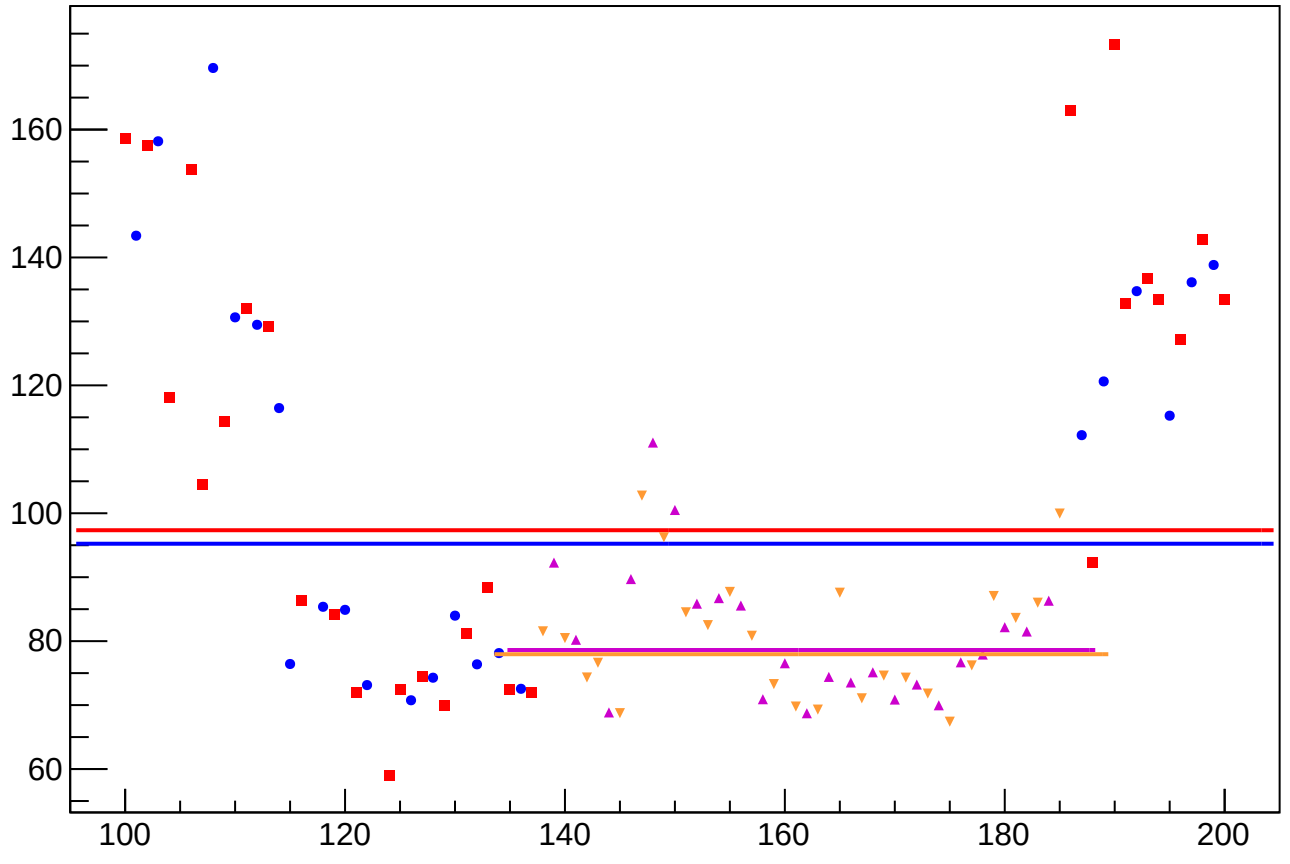
Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.003+/-0.011 χ^2/NDF: 114.5/97

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

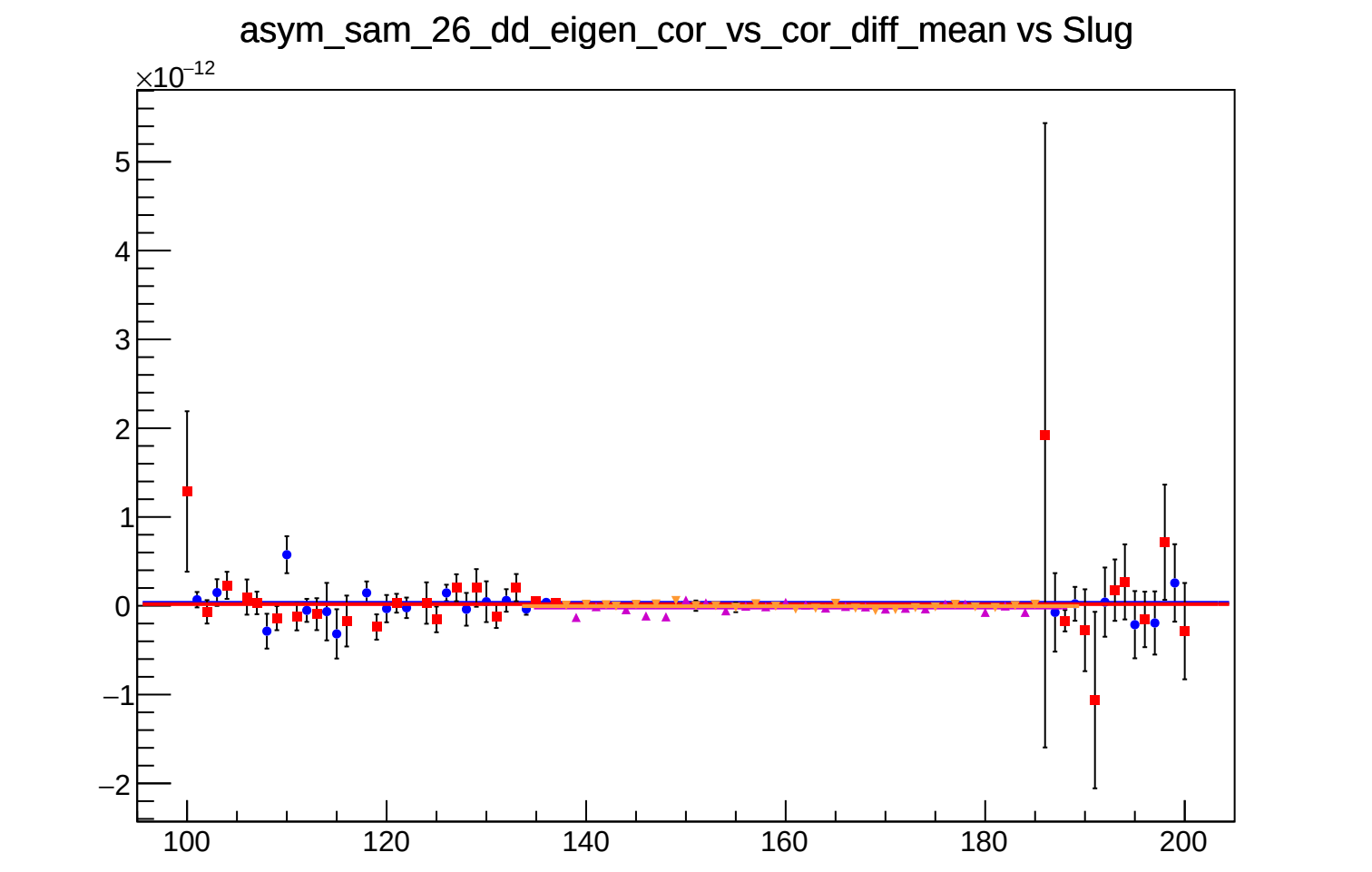
Right Out: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

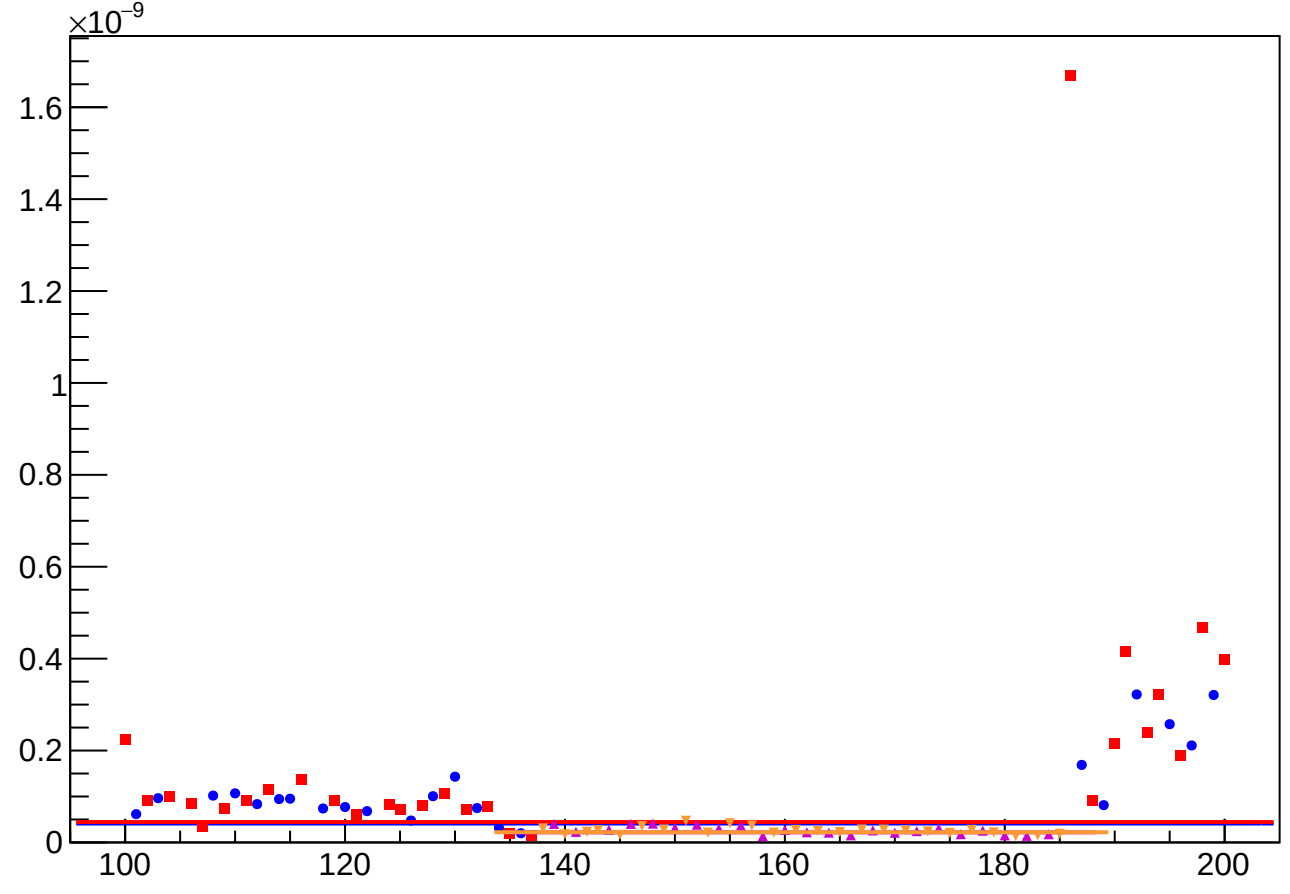
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.620+/-0.011 χ^2/NDF: 2732789.6/46

All: 83.510+/-0.008 χ^2/NDF: 6045038.5/97

- sign 84.419+/-0.011 χ^2/NDF: 3298505.1/50


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.5/21
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.6/27
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 33.9/46
All: -0.000+/-0.000 χ²/NDF: 105.4/97
- sign -0.000+/-0.000 χ²/NDF: 67.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 6732607.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9181668.5/27

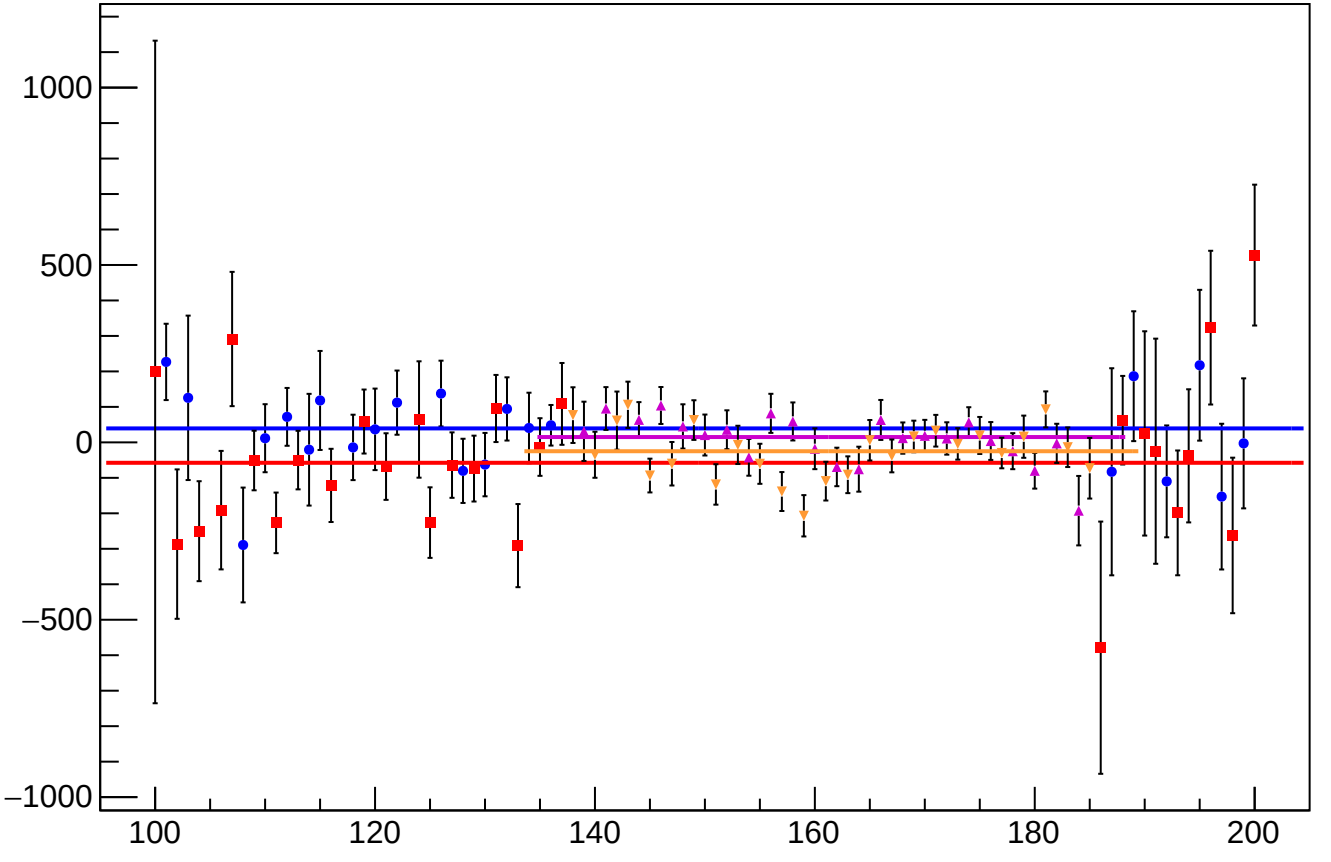
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10626670.5/46

All: 0.000+/-0.000 χ^2/NDF: 24584932.5/97

- sign 0.000+/-0.000 χ^2/NDF: 13958251.2/50

reg_asym_sam_37_dd_mean vs Slug



Right In: 39.337+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -57.566+/-22.945 χ^2/NDF: 42.1/27

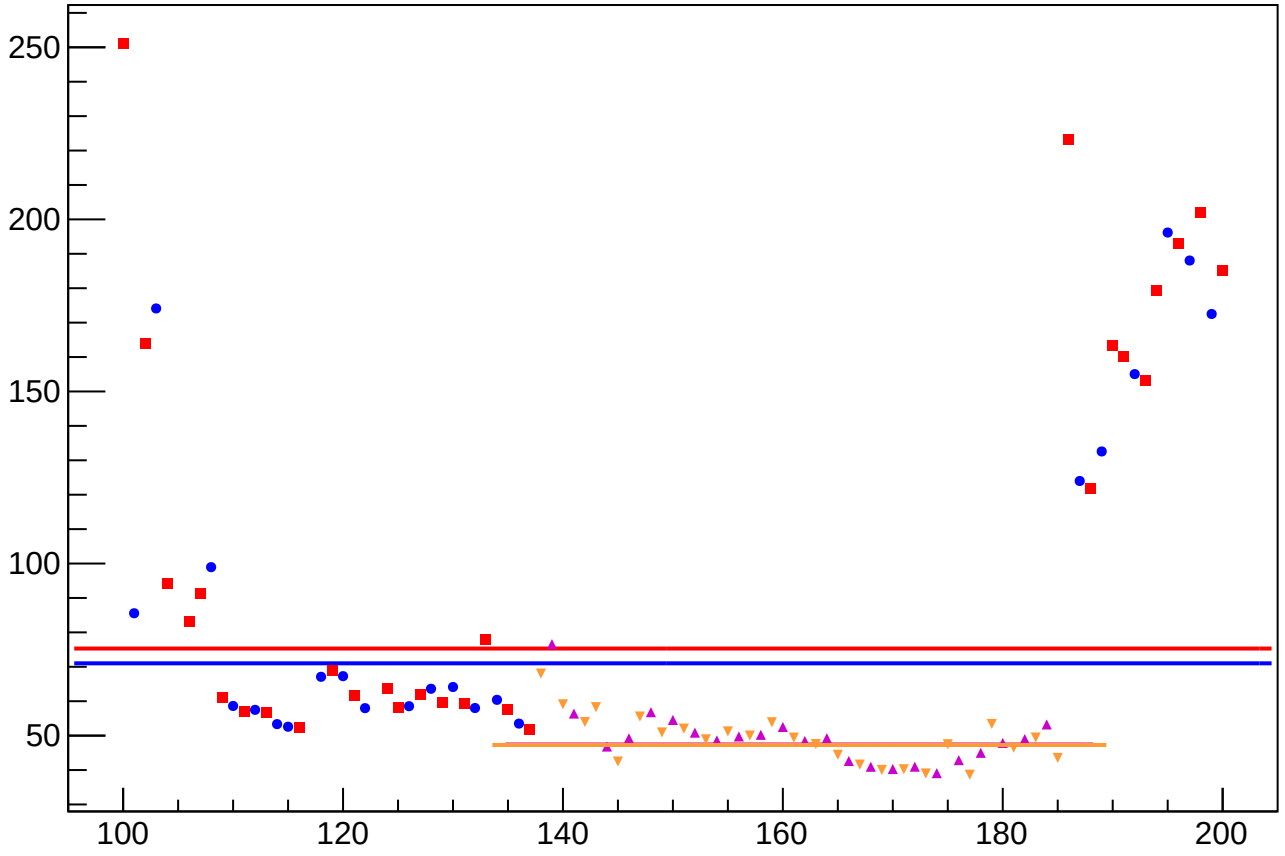
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.347+/-9.853 χ^2/NDF: 66.3/46

All: -6.337+/-7.045 χ^2/NDF: 142.2/97

- sign 0.996+/-10.078 χ^2/NDF: 74.9/50

reg_asym_sam_37_dd_rms vs Slug



Right In: 71.009+/-0.016 χ^2/NDF: 3819228.2/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 75.302+/-0.016 χ^2/NDF: 5115490.8/27

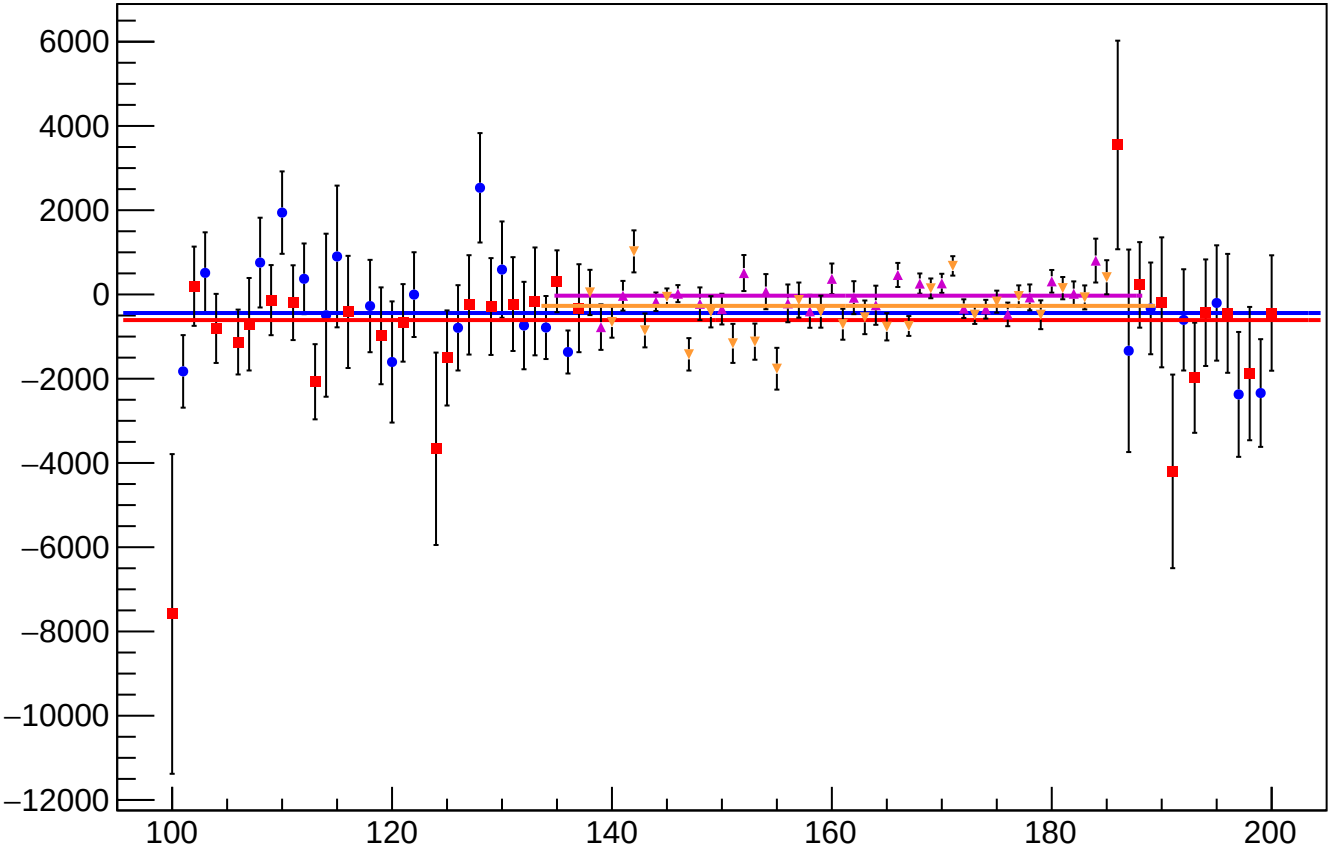
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255200.6/46

All: 52.176+/-0.005 χ^2/NDF: 14424256.8/97

- sign 52.803+/-0.007 χ^2/NDF: 8153929.0/50

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -440.508+/-218.777 χ^2/NDF: 27.1/21

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -608.241+/-209.861 χ^2/NDF: 20.3/27

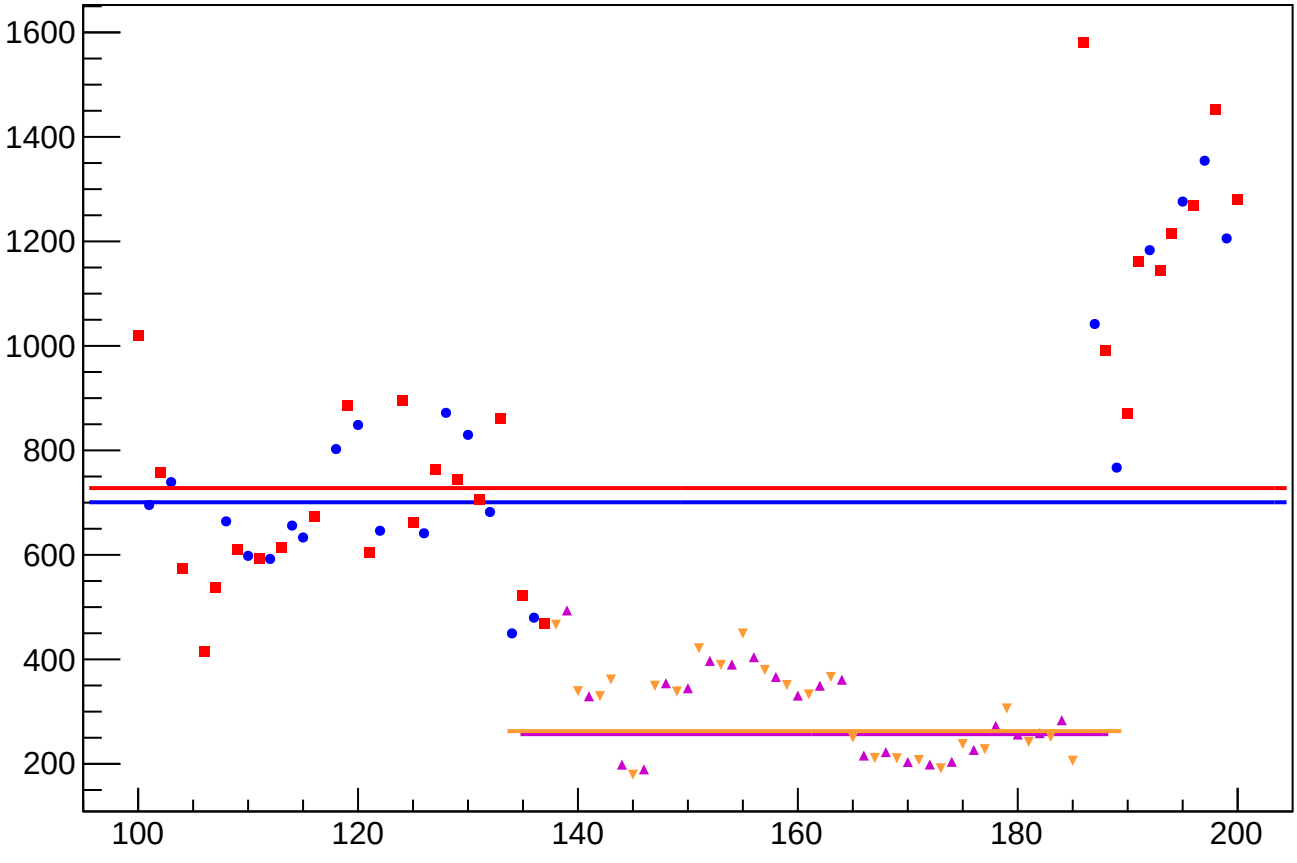
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -283.761+/-59.959 χ^2/NDF: 101.5/46

All: -180.344+/-42.430 χ^2/NDF: 159.1/97

- sign -76.611+/-60.050 χ^2/NDF: 51.7/50

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 700.690+/-0.155 χ^2/NDF: 2201589.6/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 727.838+/-0.148 χ^2/NDF: 2990153.7/27

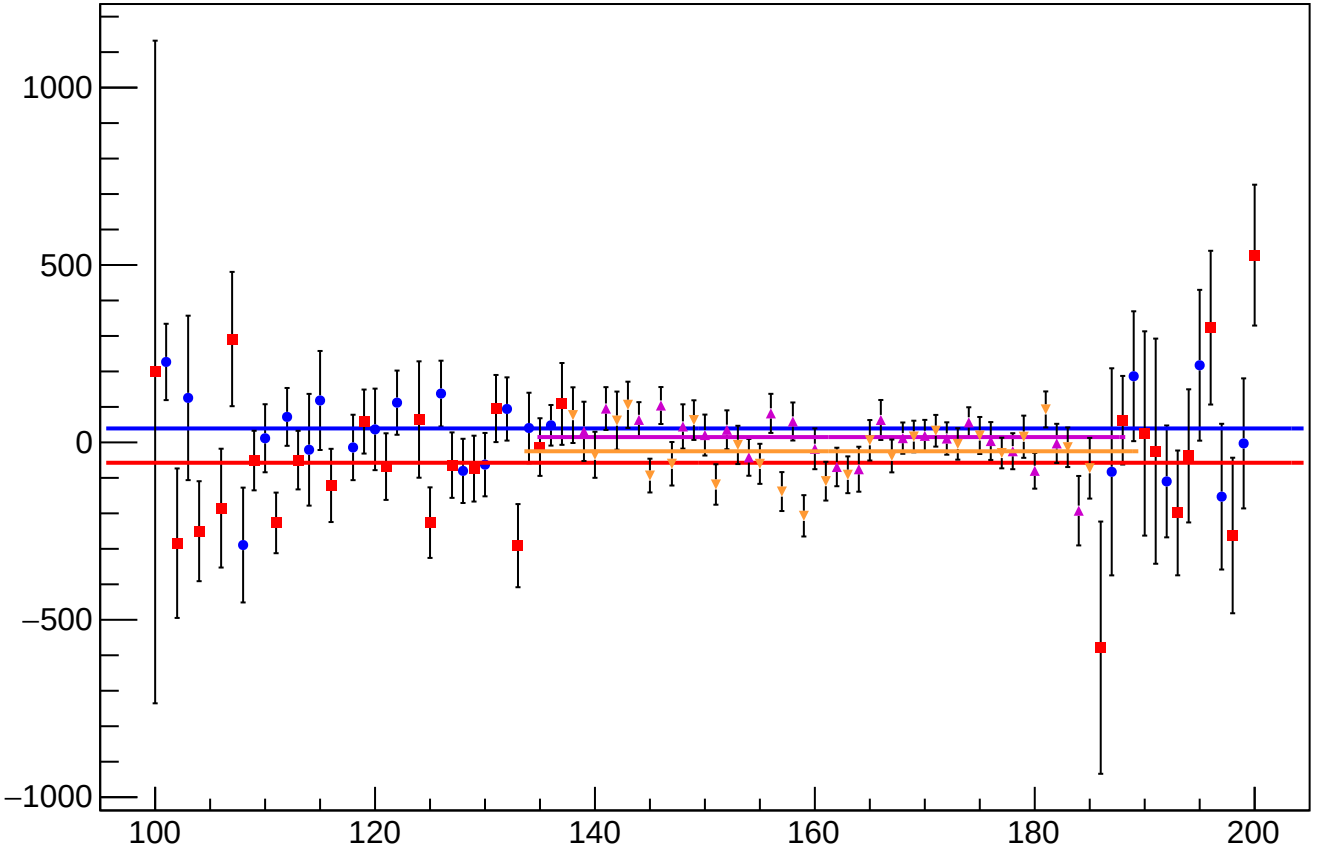
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509446.4/46

All: 295.492+/-0.030 χ^2/NDF: 27387940.1/97

- sign 295.406+/-0.042 χ^2/NDF: 14878485.5/50

cor_asym_sam_37_dd_mean vs Slug



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -57.403+/-22.946 χ^2/NDF: 42.0/27

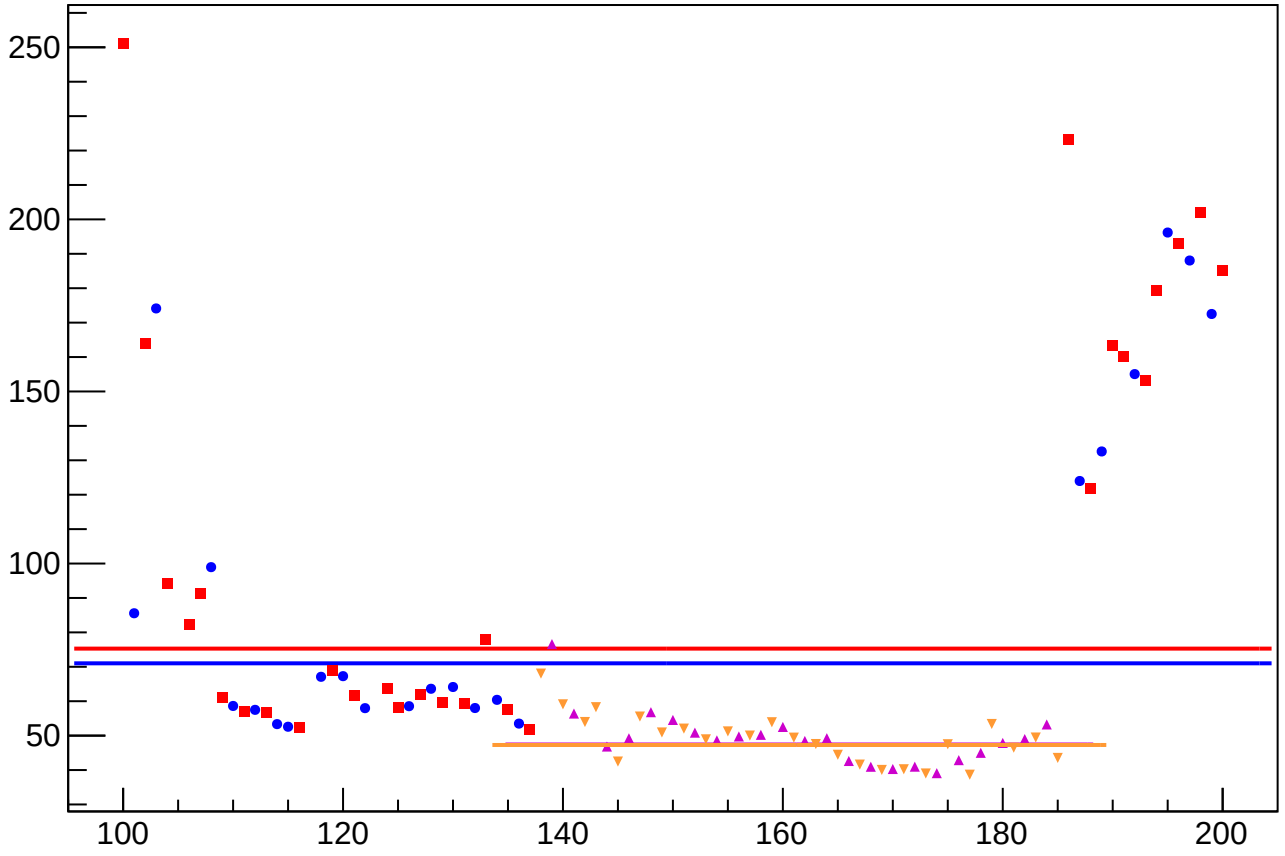
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.345+/-9.853 χ^2/NDF: 66.3/46

All: -6.321+/-7.045 χ^2/NDF: 142.1/97

- sign 1.027+/-10.078 χ^2/NDF: 74.7/50

cor_asym_sam_37_dd_rms vs Slug



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

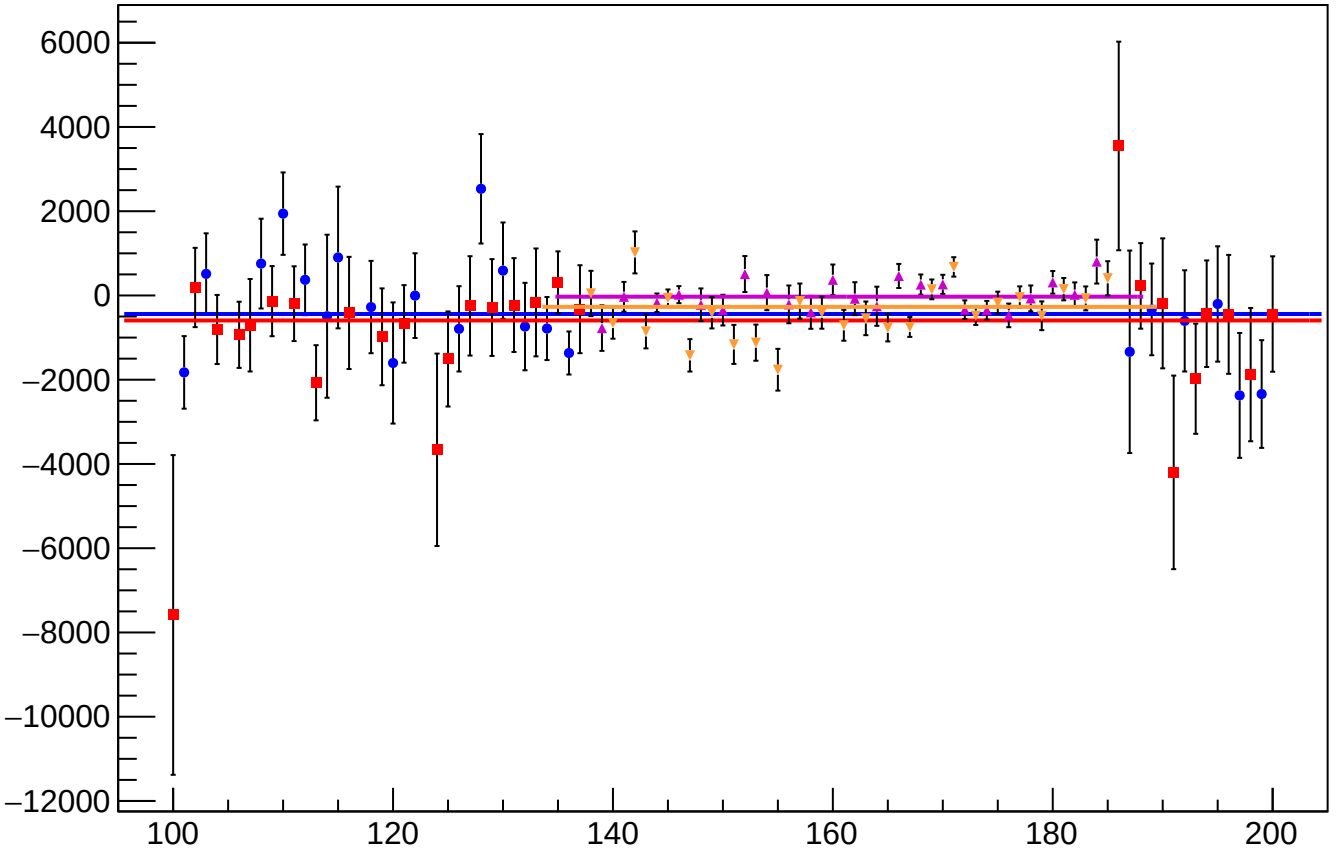
Right Out: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255202.3/46

All: 52.174+/-0.005 χ^2/NDF: 14419592.6/97

- sign 52.799+/-0.007 χ^2/NDF: 8149370.1/50



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -593.222+/-210.177 χ^2/NDF: 20.0/27

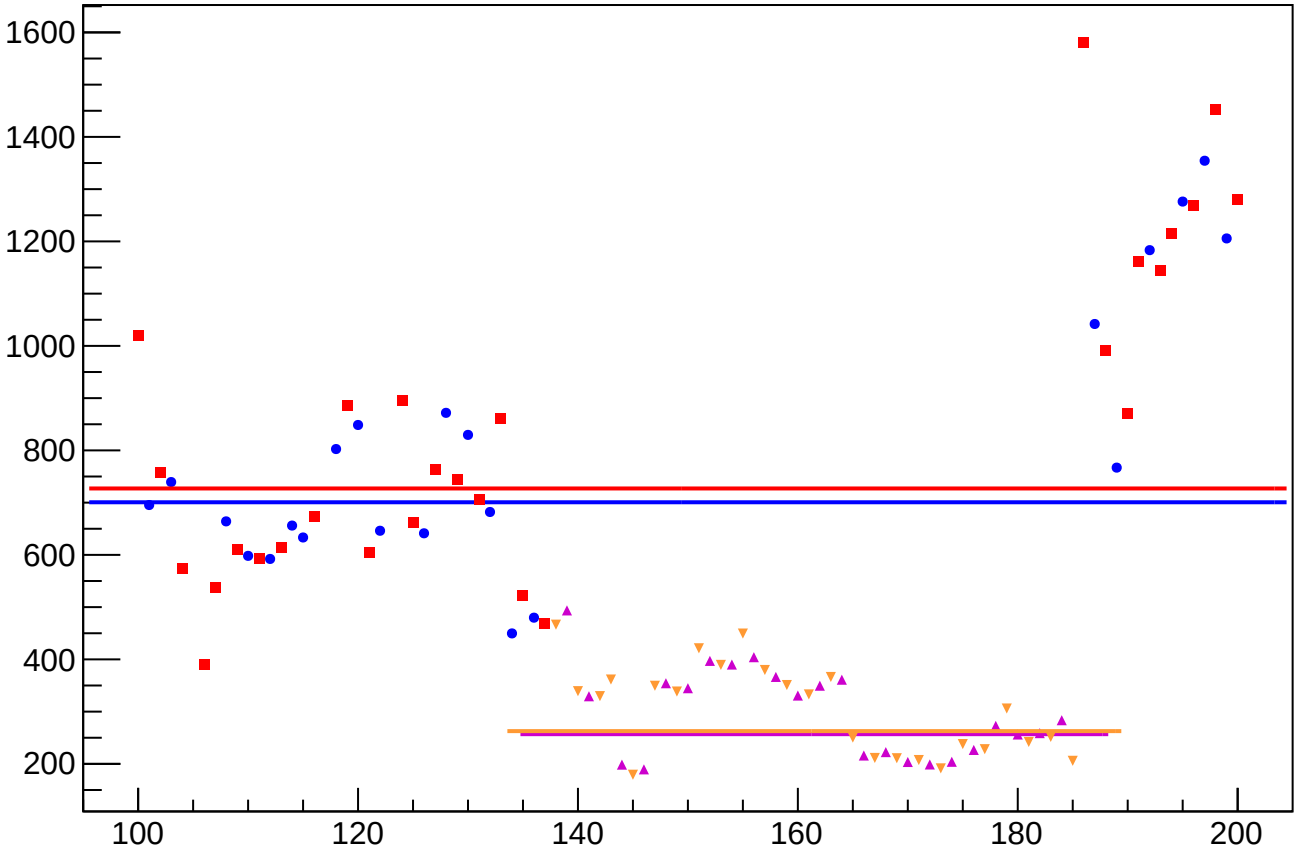
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.756+/-59.959 χ^2/NDF: 101.5/46

All: -179.677+/-42.432 χ^2/NDF: 158.5/97

- sign -75.255+/-60.058 χ^2/NDF: 51.0/50

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

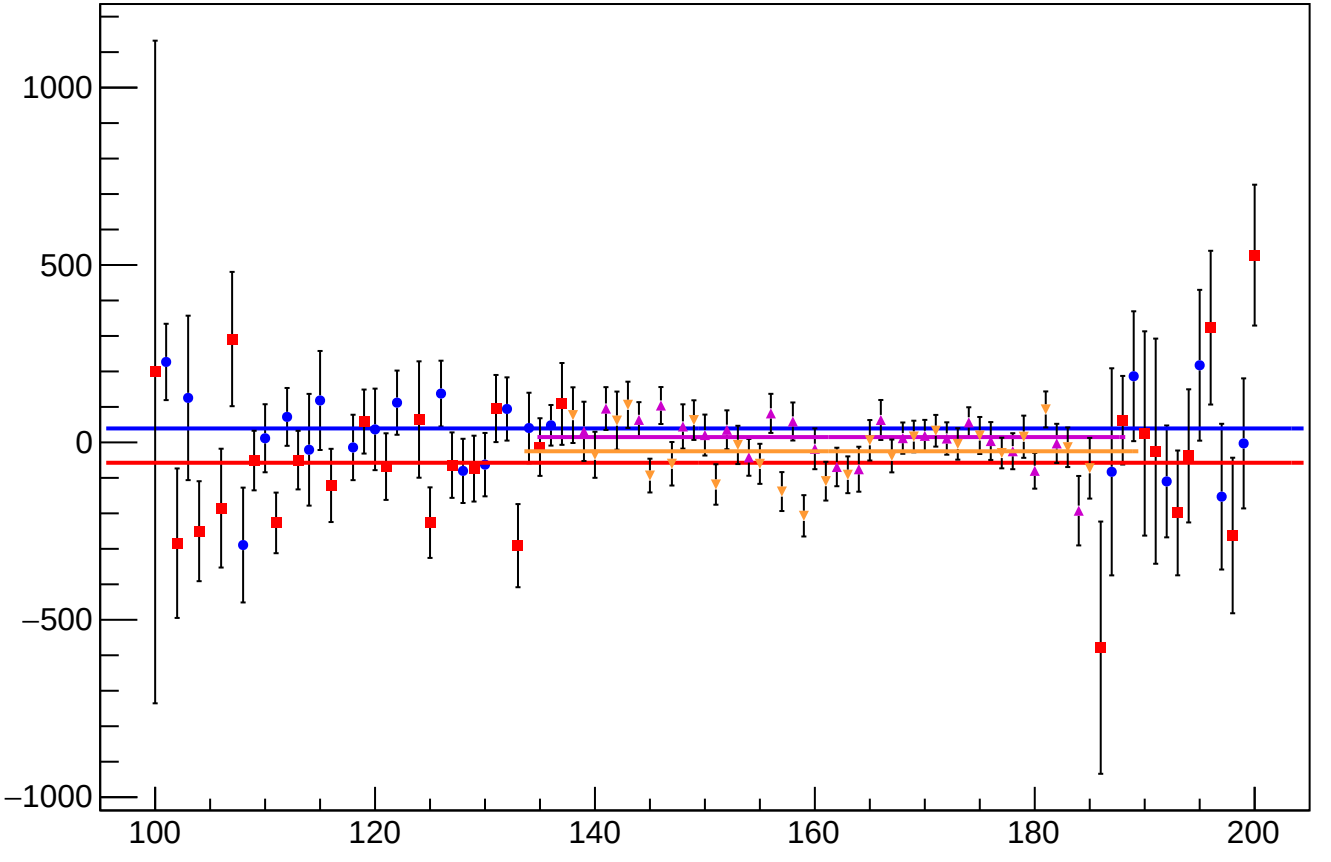
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509500.1/46

All: 295.409+/-0.030 χ^2/NDF: 27370384.2/97

- sign 295.240+/-0.042 χ^2/NDF: 14860852.4/50

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -57.403+/-22.946 χ^2/NDF: 42.0/27

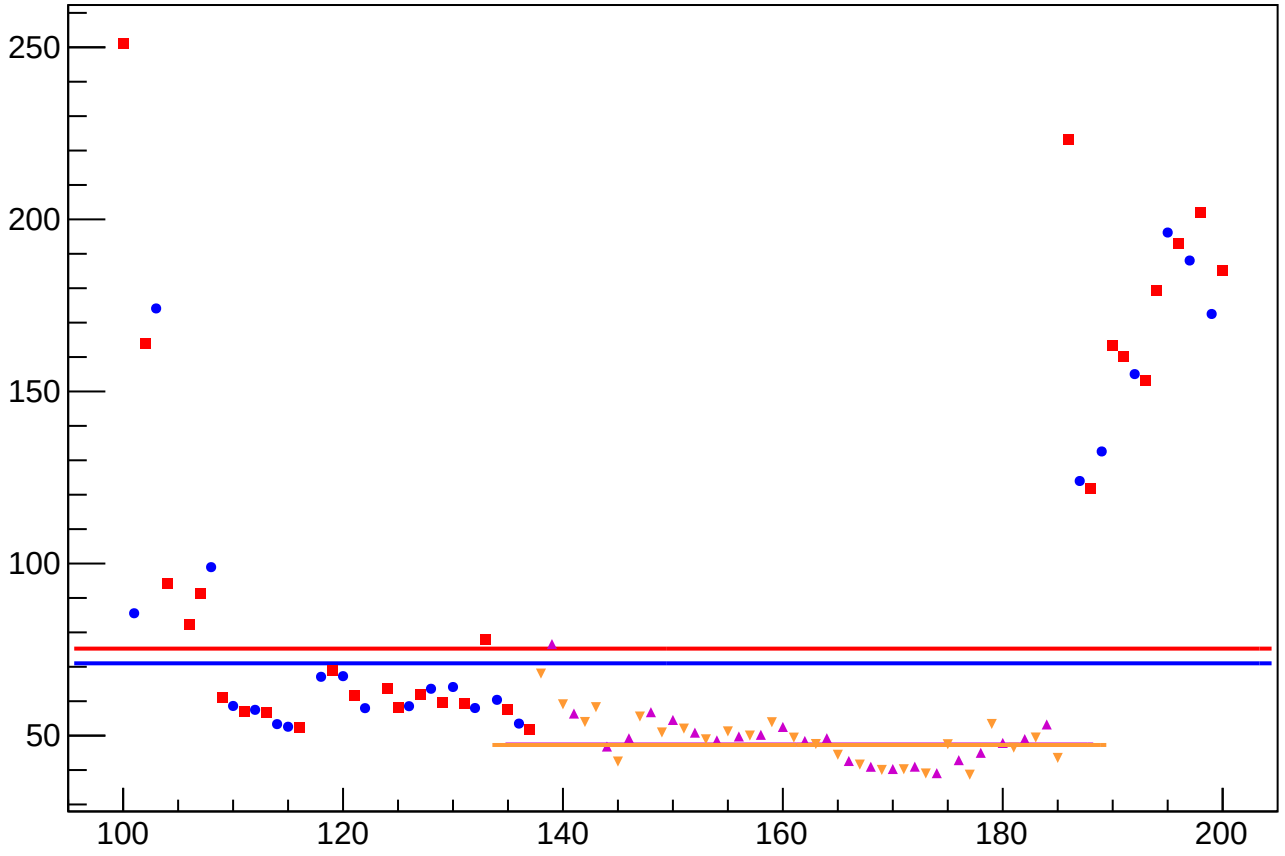
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.345+/-9.853 χ^2/NDF: 66.3/46

All: -6.321+/-7.045 χ^2/NDF: 142.1/97

- sign 1.027+/-10.078 χ^2/NDF: 74.7/50

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

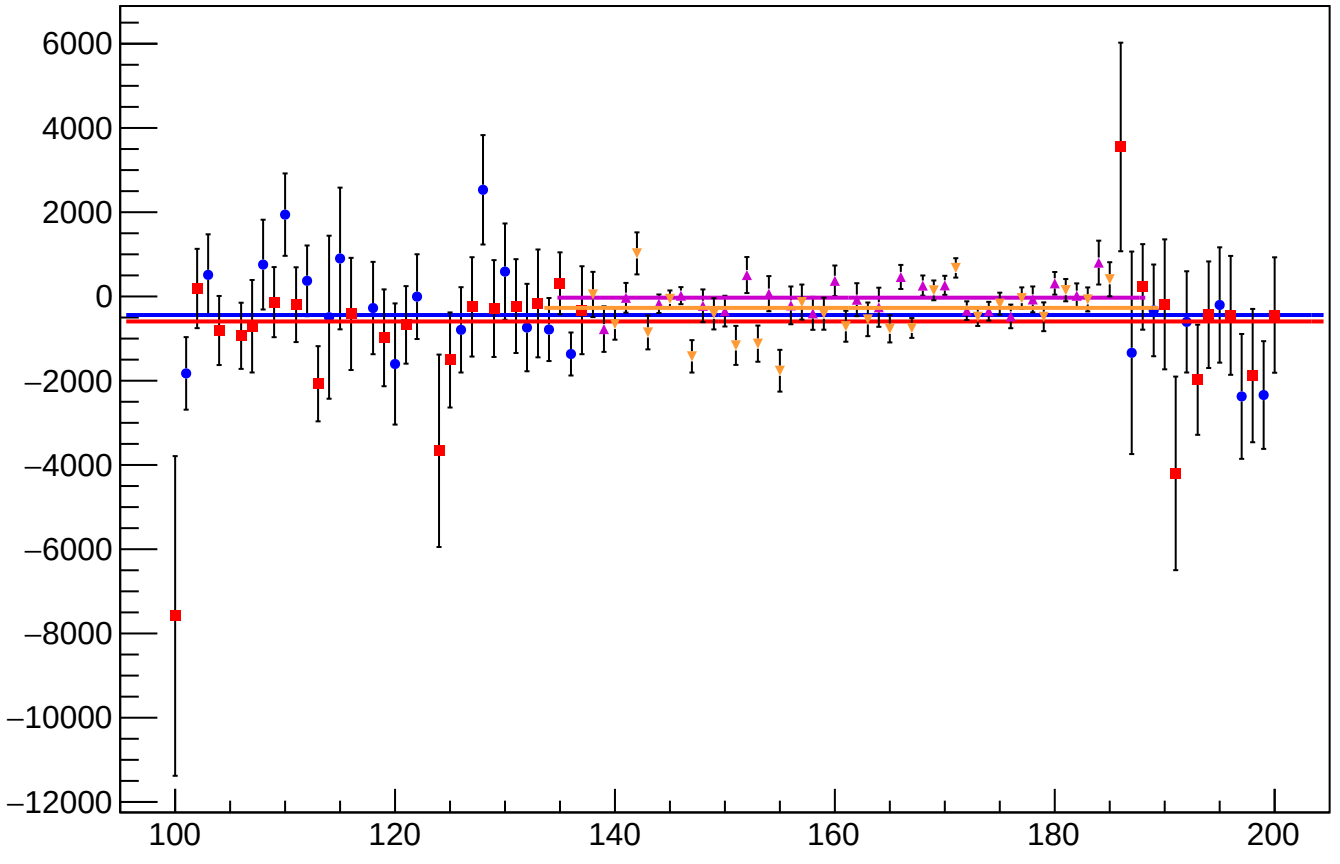
Right Out: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255202.3/46

All: 52.174+/-0.005 χ^2/NDF: 14419592.6/97

- sign 52.799+/-0.007 χ^2/NDF: 8149370.1/50



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -593.222+/-210.177 χ^2/NDF: 20.0/27

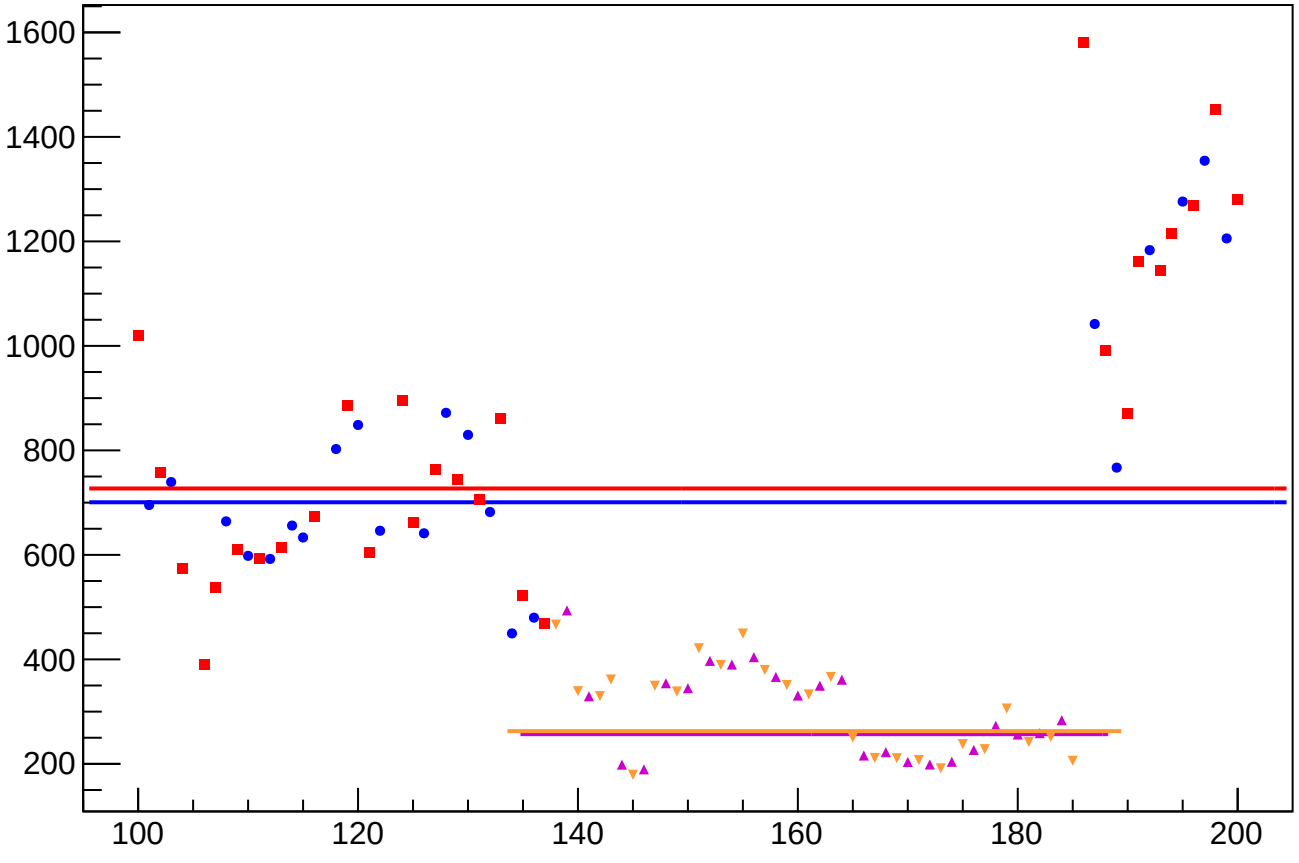
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.756+/-59.959 χ^2/NDF: 101.5/46

All: -179.677+/-42.432 χ^2/NDF: 158.5/97

- sign -75.255+/-60.058 χ^2/NDF: 51.0/50

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

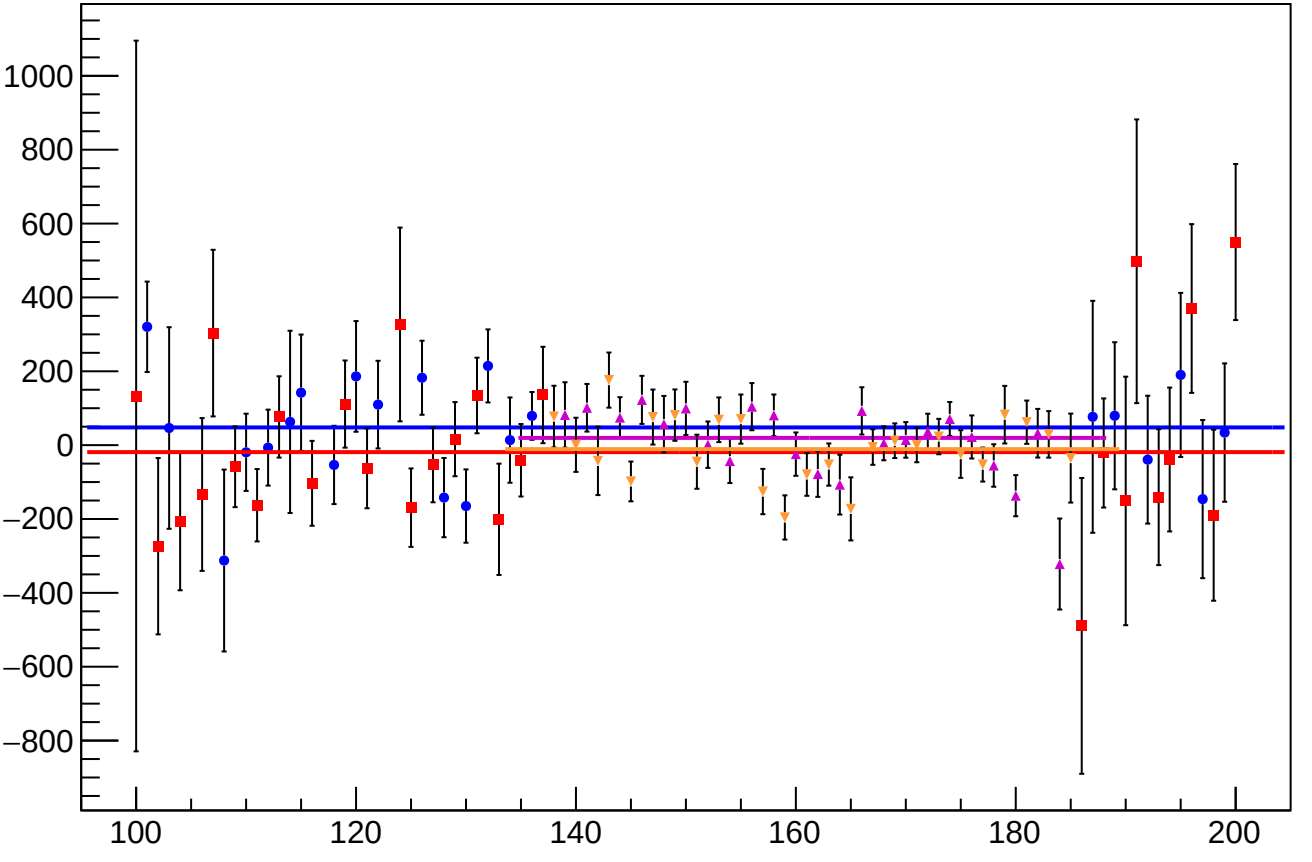
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509500.1/46

All: 295.409+/-0.030 χ^2/NDF: 27370384.2/97

- sign 295.240+/-0.042 χ^2/NDF: 14860852.4/50

dit_asym_sam_37_dd_mean vs Slug



Right In: 47.971+/-26.856 χ^2/NDF: 24.4/21

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -18.871+/-26.917 χ^2/NDF: 33.1/27

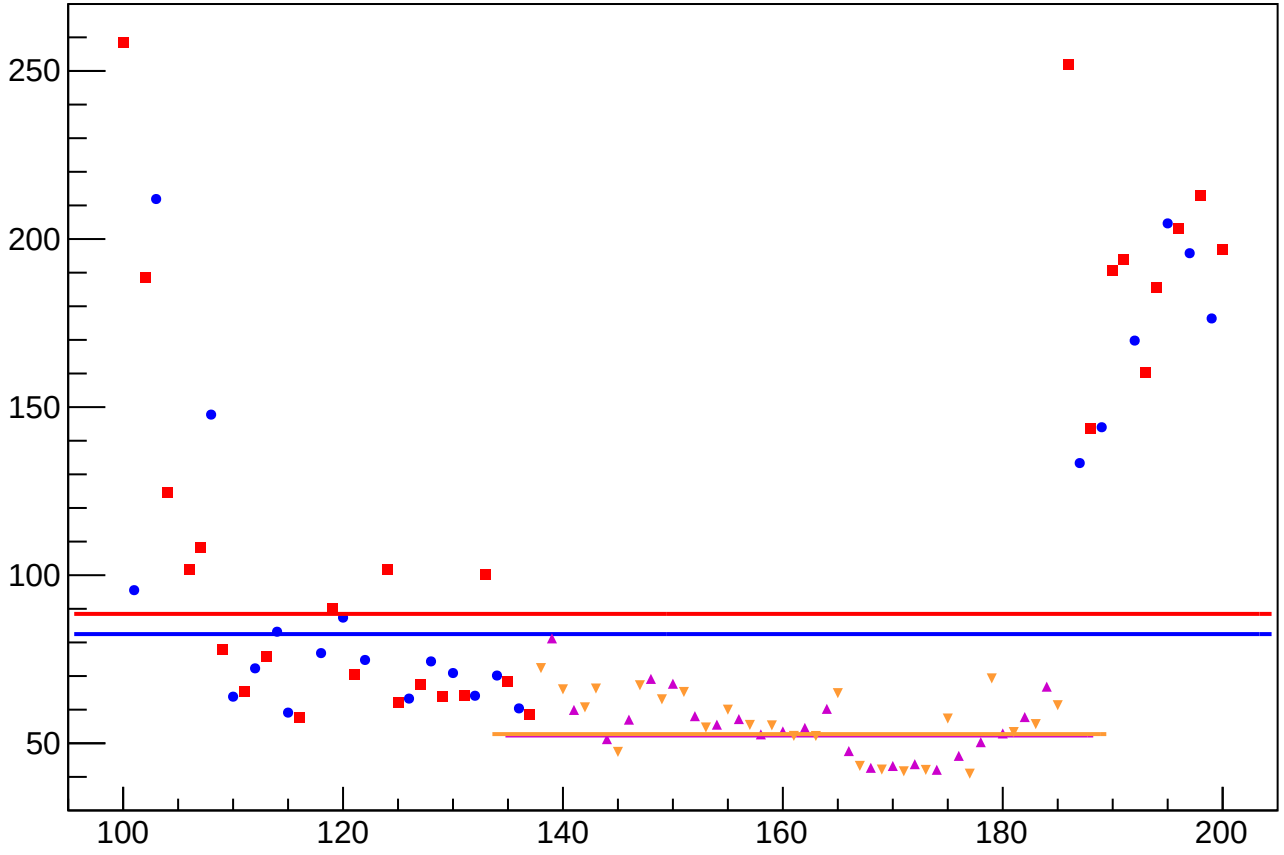
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.621+/-11.188 χ^2/NDF: 68.8/46

All: 5.947+/-7.975 χ^2/NDF: 141.0/97

- sign 12.732+/-11.371 χ^2/NDF: 71.6/50

dit_asym_sam_37_dd_rms vs Slug



Right In: 82.482+/-0.019 χ^2/NDF: 3611948.0/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 88.489+/-0.019 χ^2/NDF: 4877538.7/27

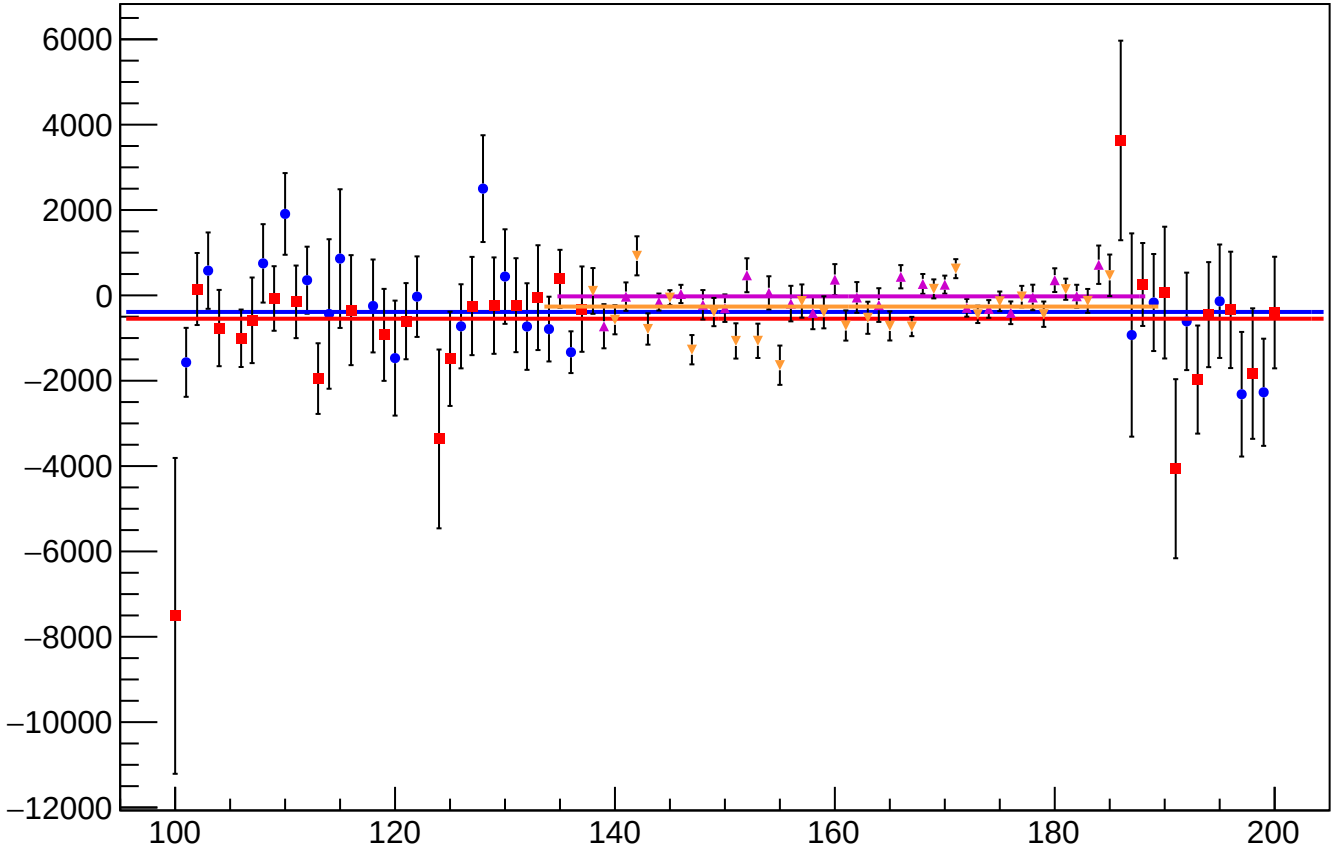
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 57.893+/-0.008 χ^2/NDF: 6807552.0/46

All: 58.325+/-0.006 χ^2/NDF: 15550773.0/97

- sign 58.770+/-0.008 χ^2/NDF: 8737181.1/50

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -388.413+/-210.077 χ^2/NDF: 27.2/21

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -547.246+/-199.144 χ^2/NDF: 22.1/27

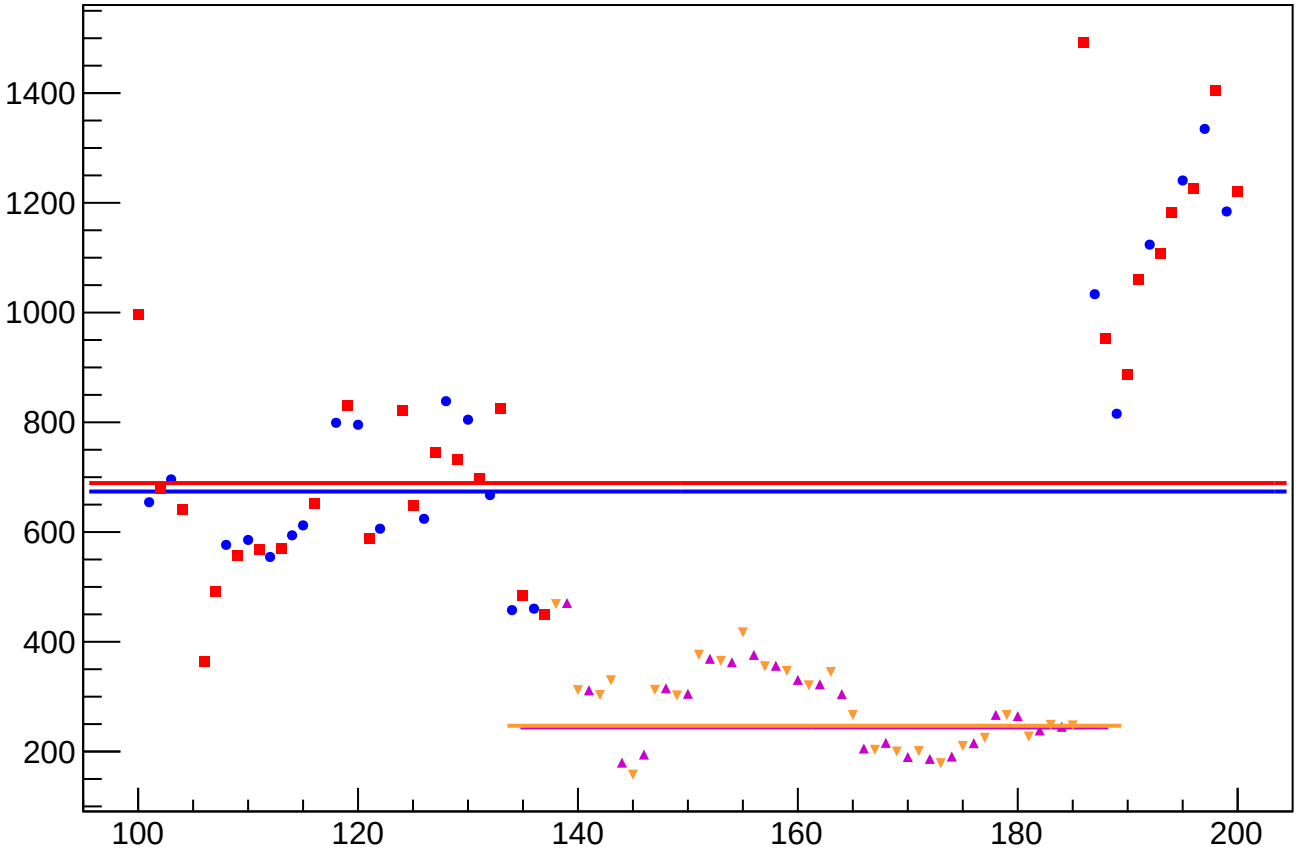
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.637+/-56.356 χ^2/NDF: 99.7/46

All: -169.967+/-40.047 χ^2/NDF: 158.9/97

- sign -66.257+/-56.919 χ^2/NDF: 52.6/50

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 673.867+/-0.149 χ^2/NDF: 2250353.1/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 689.310+/-0.141 χ^2/NDF: 3209855.7/27

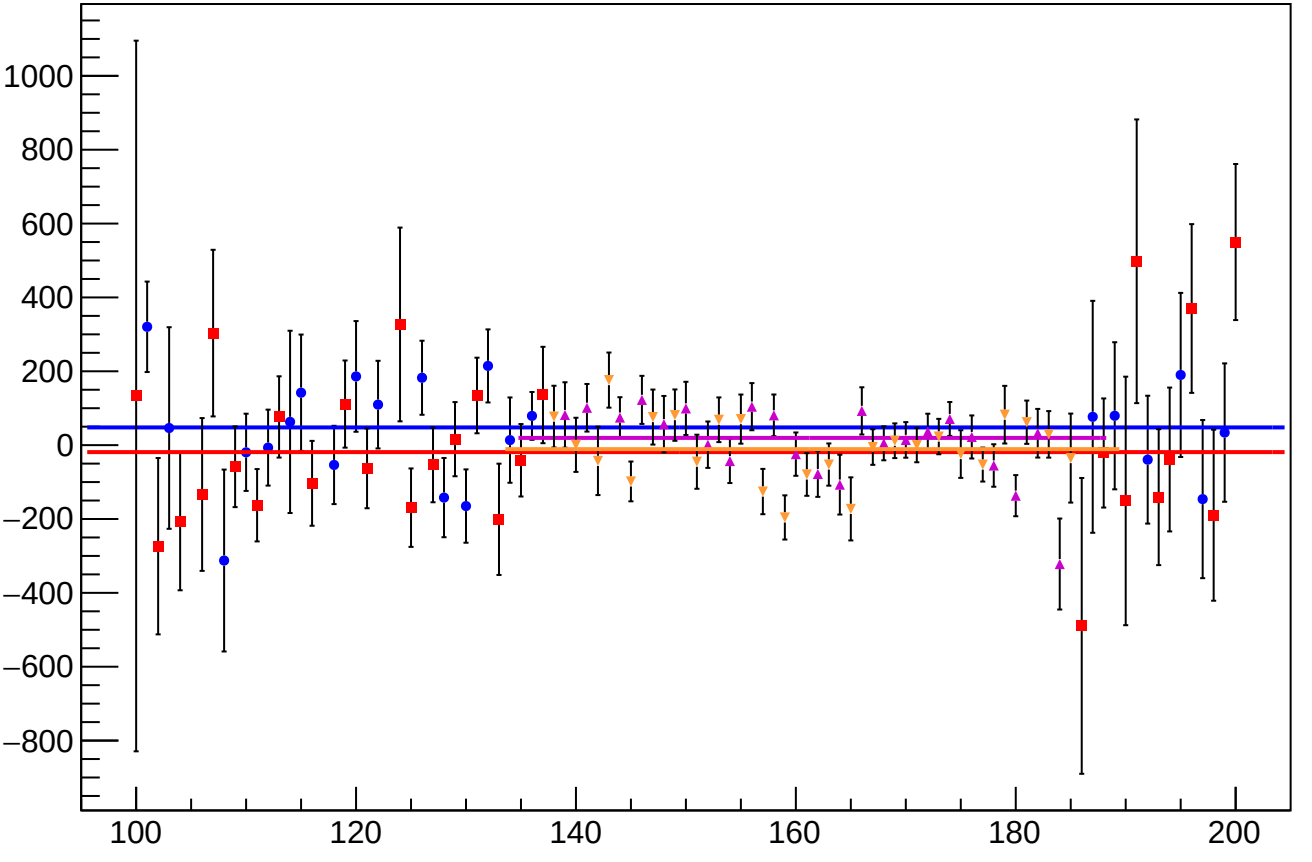
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 277.716+/-0.040 χ^2/NDF: 12839579.1/46

All: 278.954+/-0.028 χ^2/NDF: 27732657.0/97

- sign 280.217+/-0.040 χ^2/NDF: 14891127.1/50

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 47.970+/-26.856 χ^2/NDF: 24.4/21

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

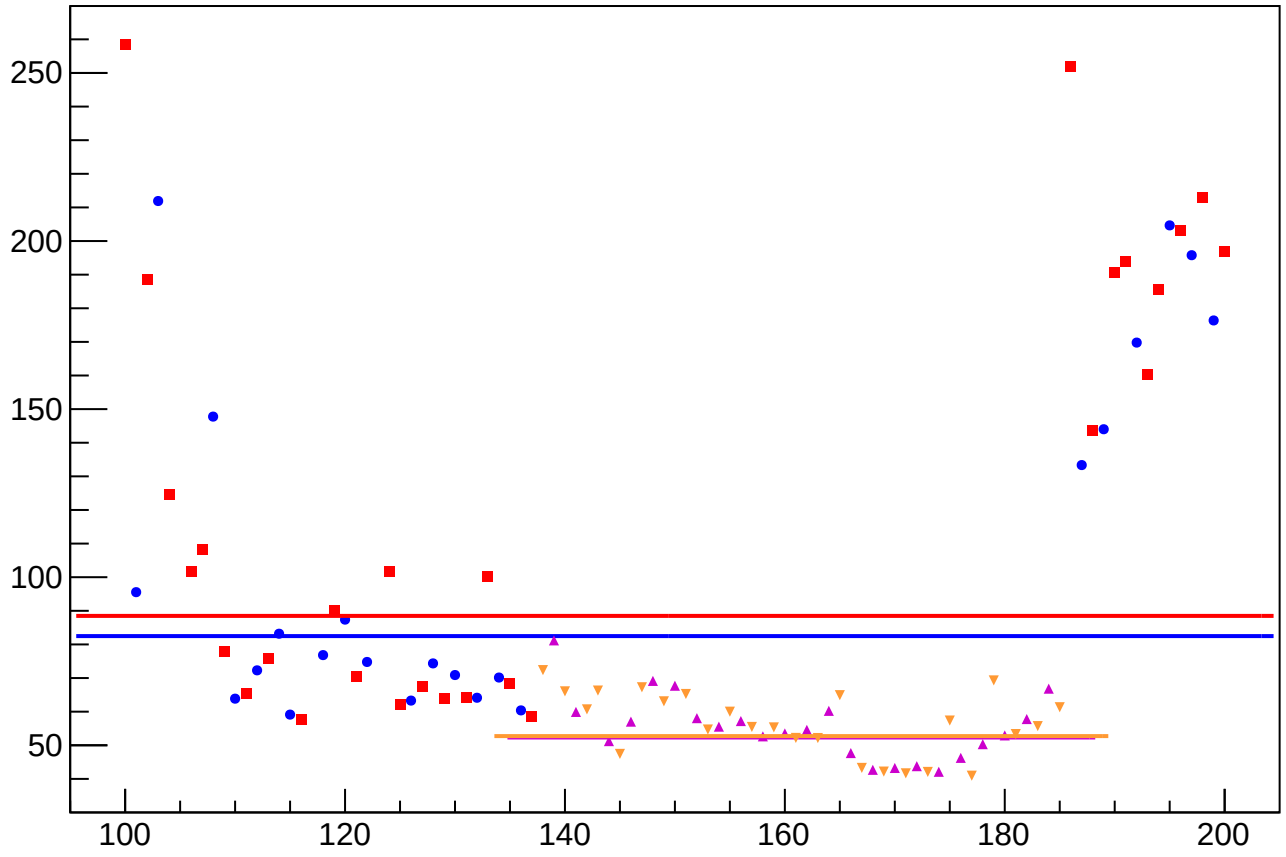
Right Out: -18.871+/-26.917 χ^2/NDF: 33.1/27

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.620+/-11.188 χ^2/NDF: 68.8/46

All: 5.947+/-7.975 χ^2/NDF: 141.0/97

- sign 12.732+/-11.371 χ^2/NDF: 71.6/50



Right In: 82.481+/-0.019 χ^2/NDF: 3611968.2/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

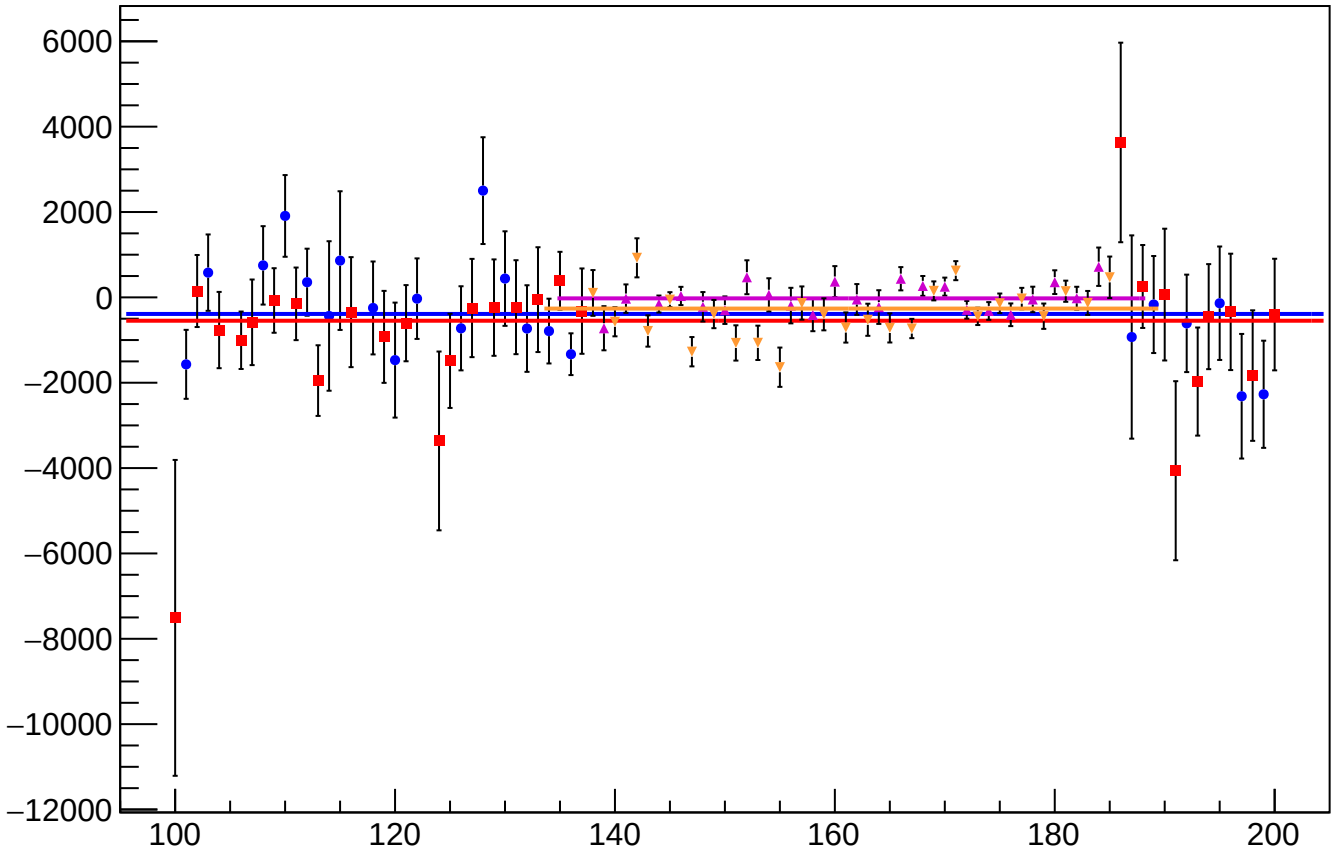
Right Out: 88.489+/-0.019 χ^2/NDF: 4877536.6/27

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 57.894+/-0.008 χ^2/NDF: 6807572.4/46

All: 58.325+/-0.006 χ^2/NDF: 15550779.3/97

- sign 58.770+/-0.008 χ^2/NDF: 8737167.0/50



Right In: -388.412+/-210.077 χ^2/NDF: 27.2/21

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

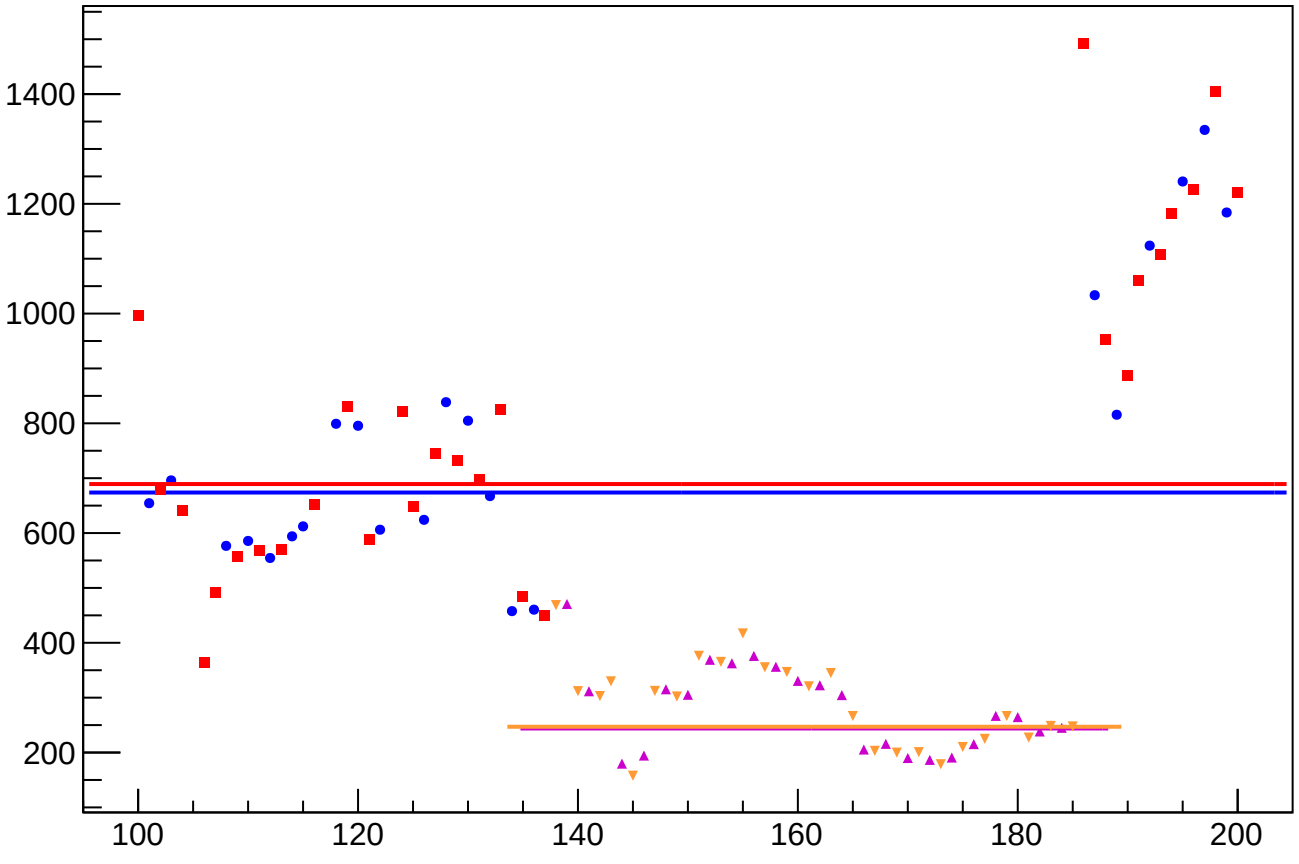
Right Out: -547.246+/-199.144 χ^2/NDF: 22.1/27

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.638+/-56.356 χ^2/NDF: 99.7/46

All: -169.967+/-40.047 χ^2/NDF: 158.9/97

- sign -66.257+/-56.919 χ^2/NDF: 52.6/50



Right In: 673.867+/-0.149 χ^2/NDF: 2250341.7/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 689.309+/-0.141 χ^2/NDF: 3209851.2/27

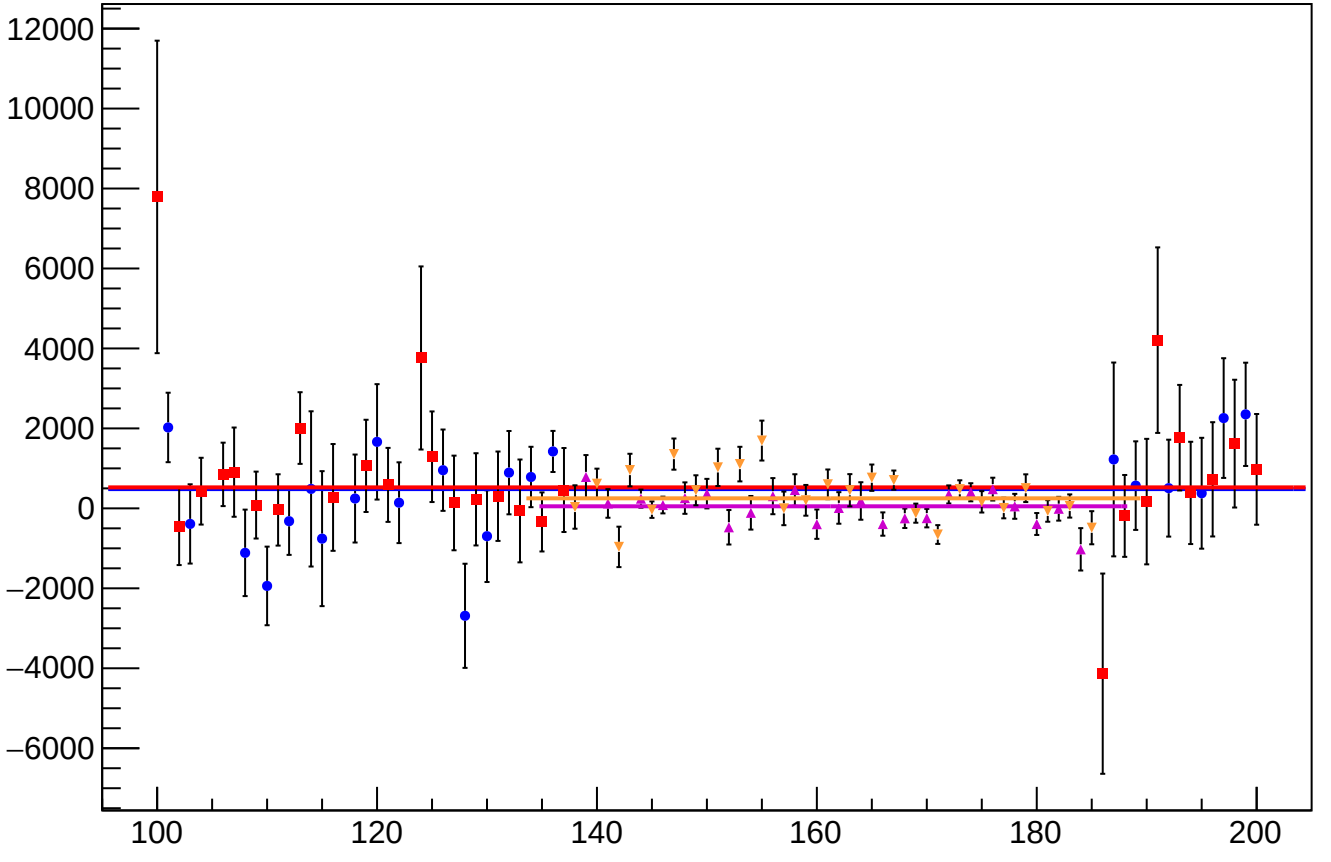
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 277.716+/-0.040 χ^2/NDF: 12839567.3/46

All: 278.954+/-0.028 χ^2/NDF: 27732638.0/97

- sign 280.217+/-0.040 χ^2/NDF: 14891120.1/50

asym_sam_37_dd_mean vs Slug



Right In: 482.044+/-220.601 χ^2/NDF: 28.9/21

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 524.870+/-212.031 χ^2/NDF: 20.7/27

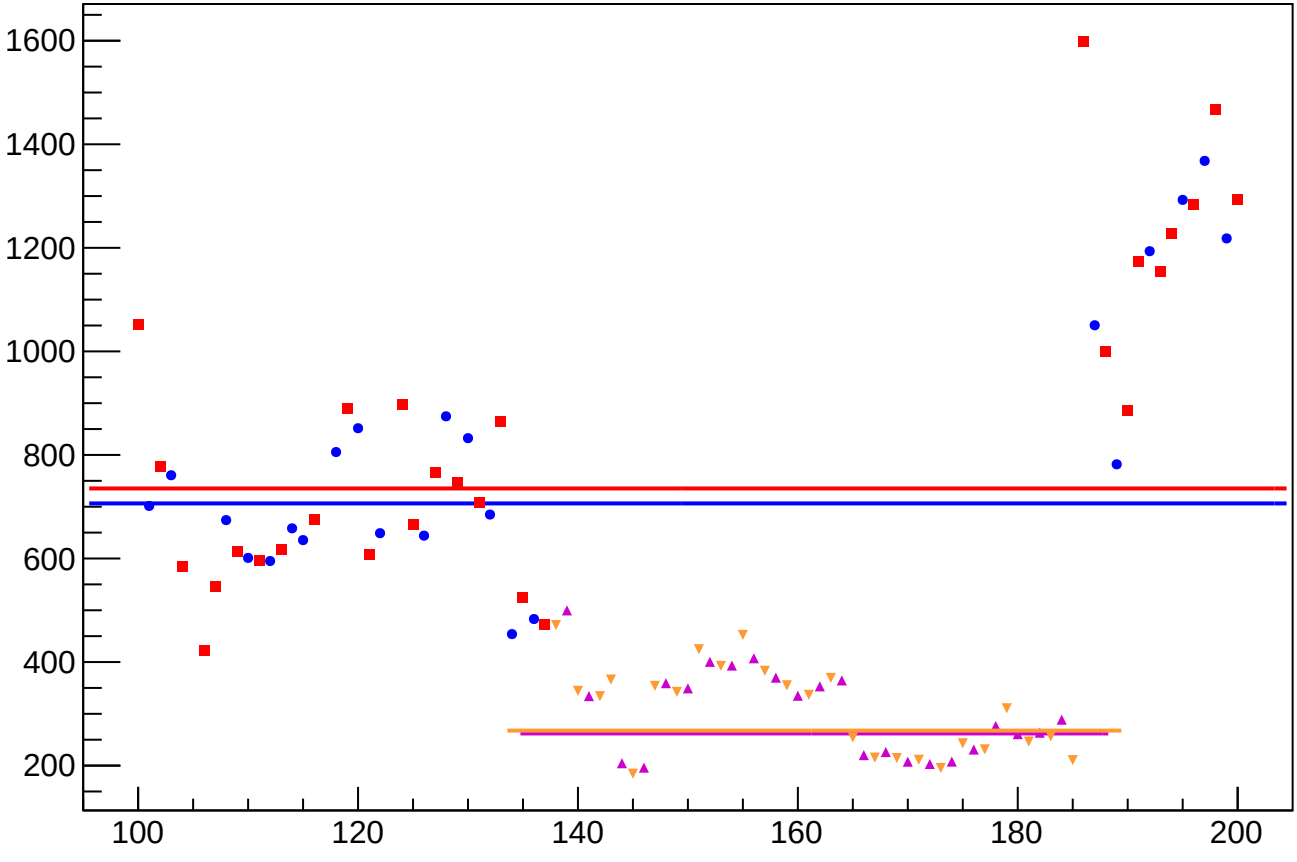
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 268.741+/-60.954 χ^2/NDF: 97.5/46

All: 180.149+/-43.164 χ^2/NDF: 153.8/97

- sign 91.039+/-61.132 χ^2/NDF: 52.1/50

asym_sam_37_dd_rms vs Slug



Right In: 706.356+/-0.156 χ^2/NDF: 2214993.8/21

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

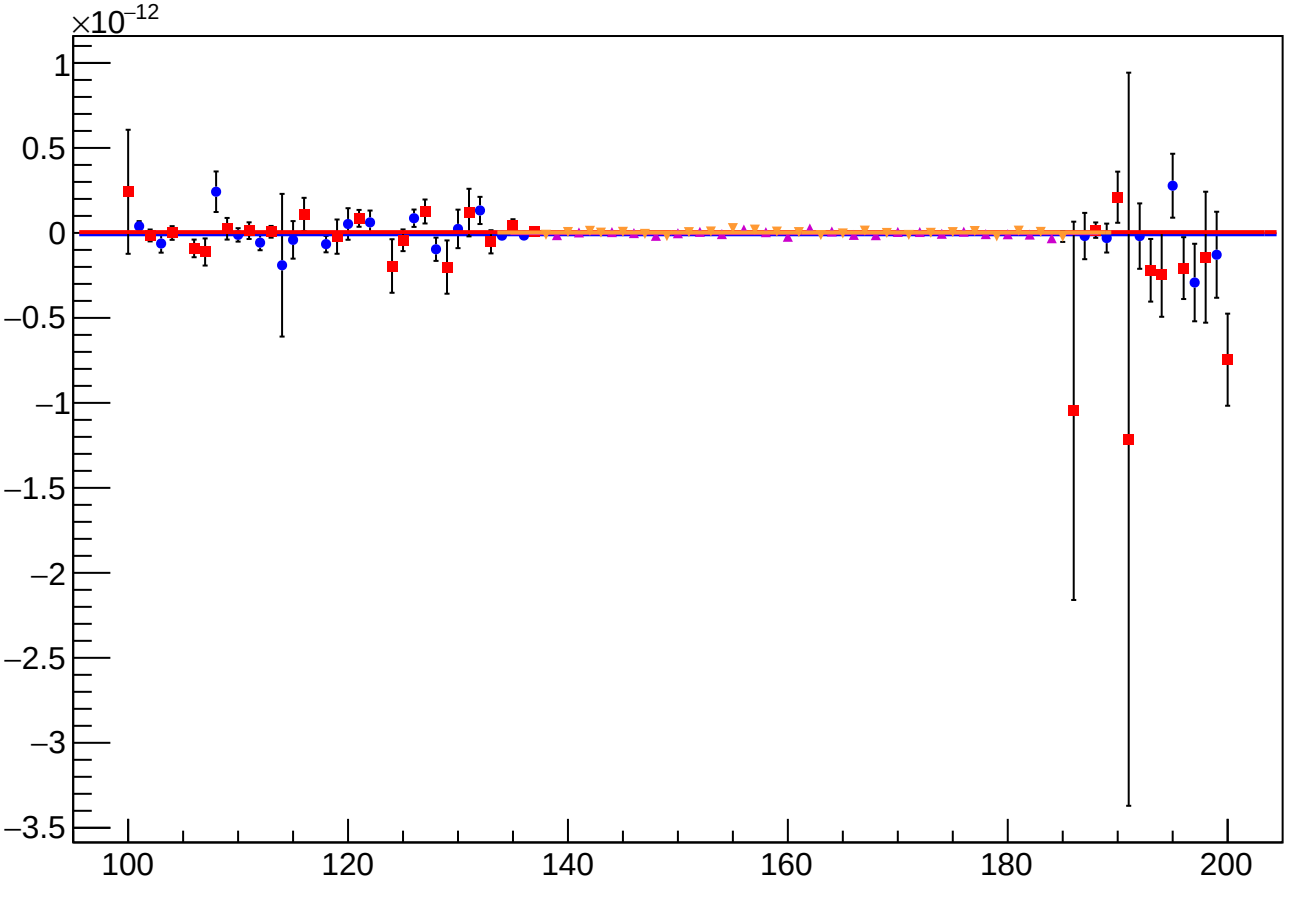
Right Out: 735.272+/-0.150 χ^2/NDF: 2981960.3/27

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 301.088+/-0.043 χ^2/NDF: 12324340.1/46

All: 301.256+/-0.031 χ^2/NDF: 26976371.8/97

- sign 301.426+/-0.043 χ^2/NDF: 14652001.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

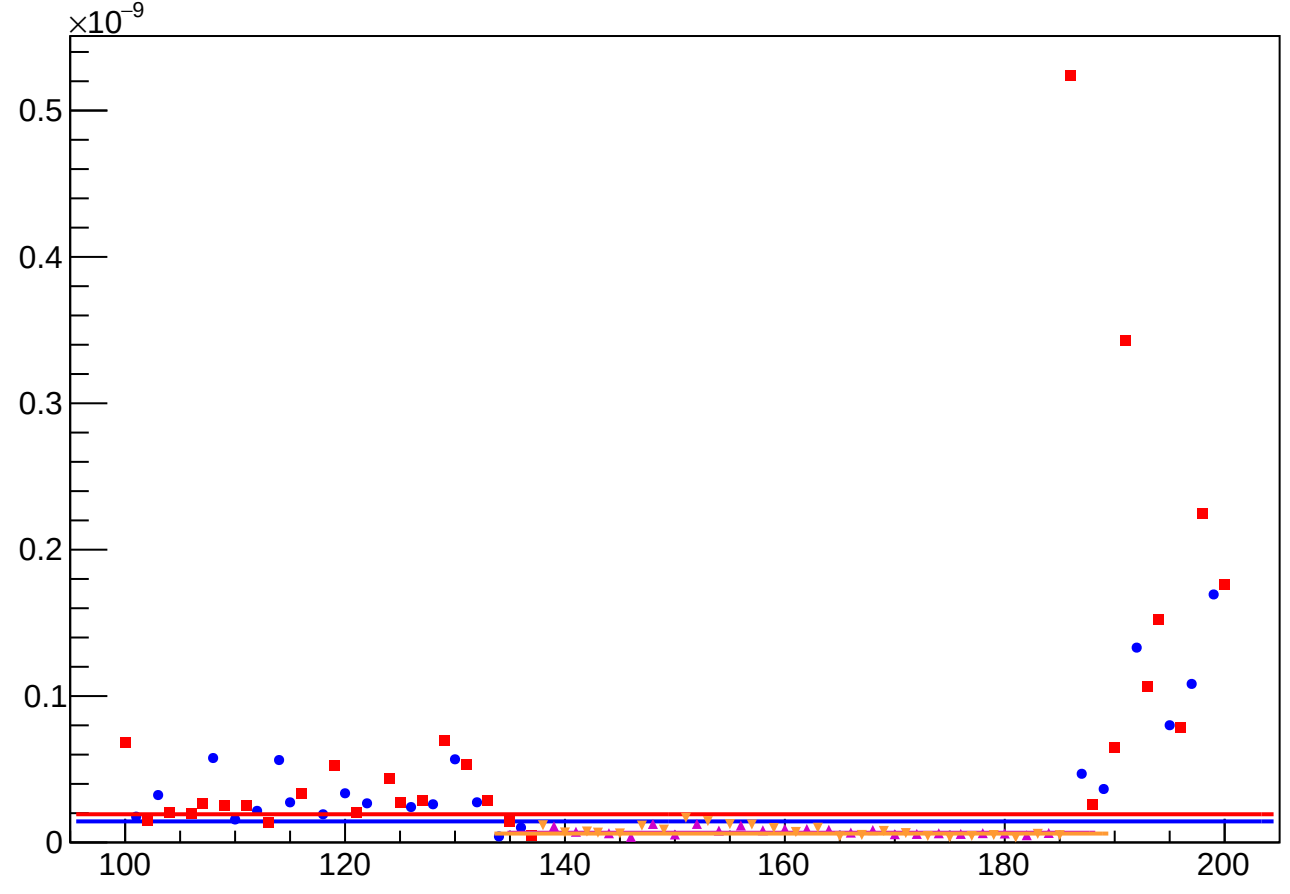
Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/27

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/46

All: 0.000+/-0.000 χ^2/NDF: 89.6/97

- sign -0.000+/-0.000 χ^2/NDF: 47.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 4461900.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4869408.5/27

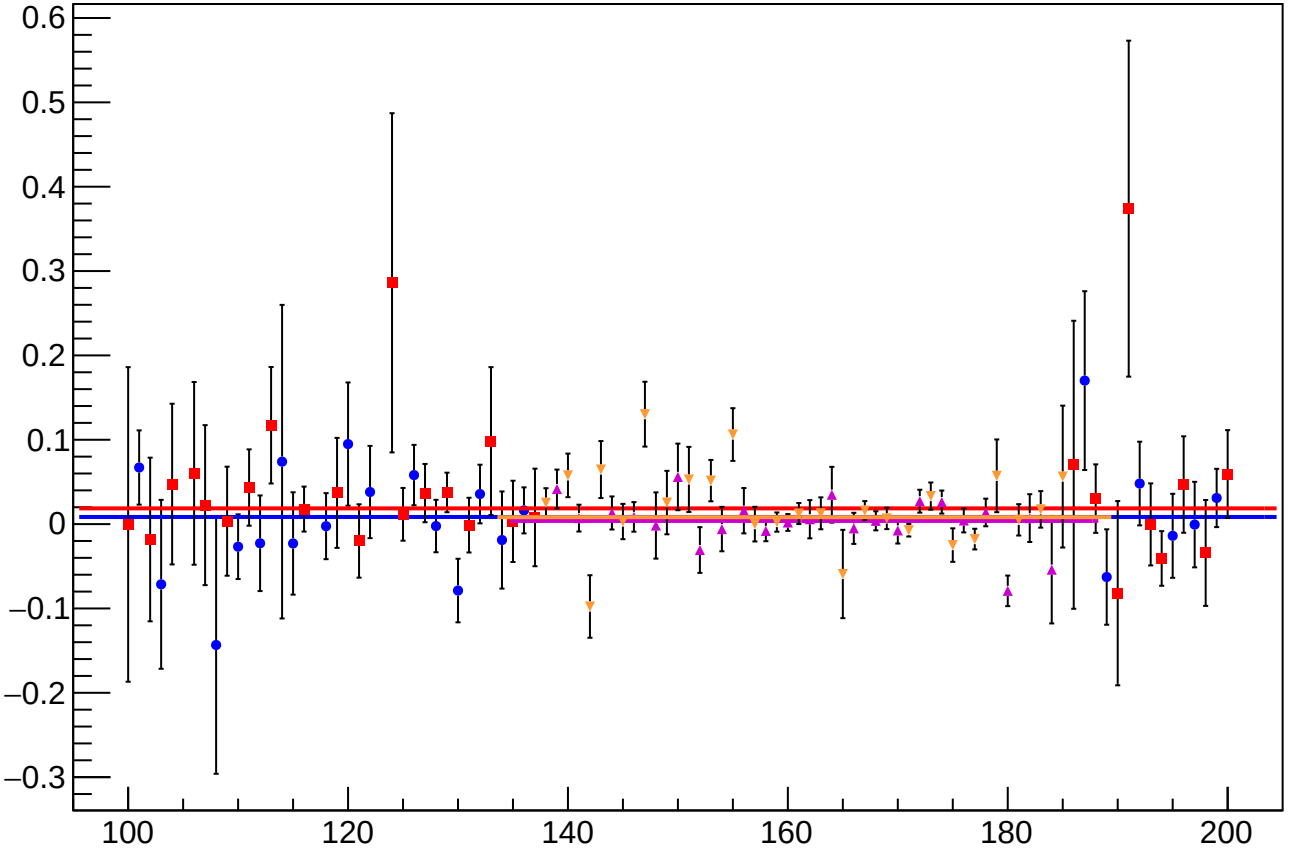
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8383906.3/46

All: 0.000+/-0.000 χ^2/NDF: 16966113.7/97

- sign 0.000+/-0.000 χ^2/NDF: 8502172.3/50

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

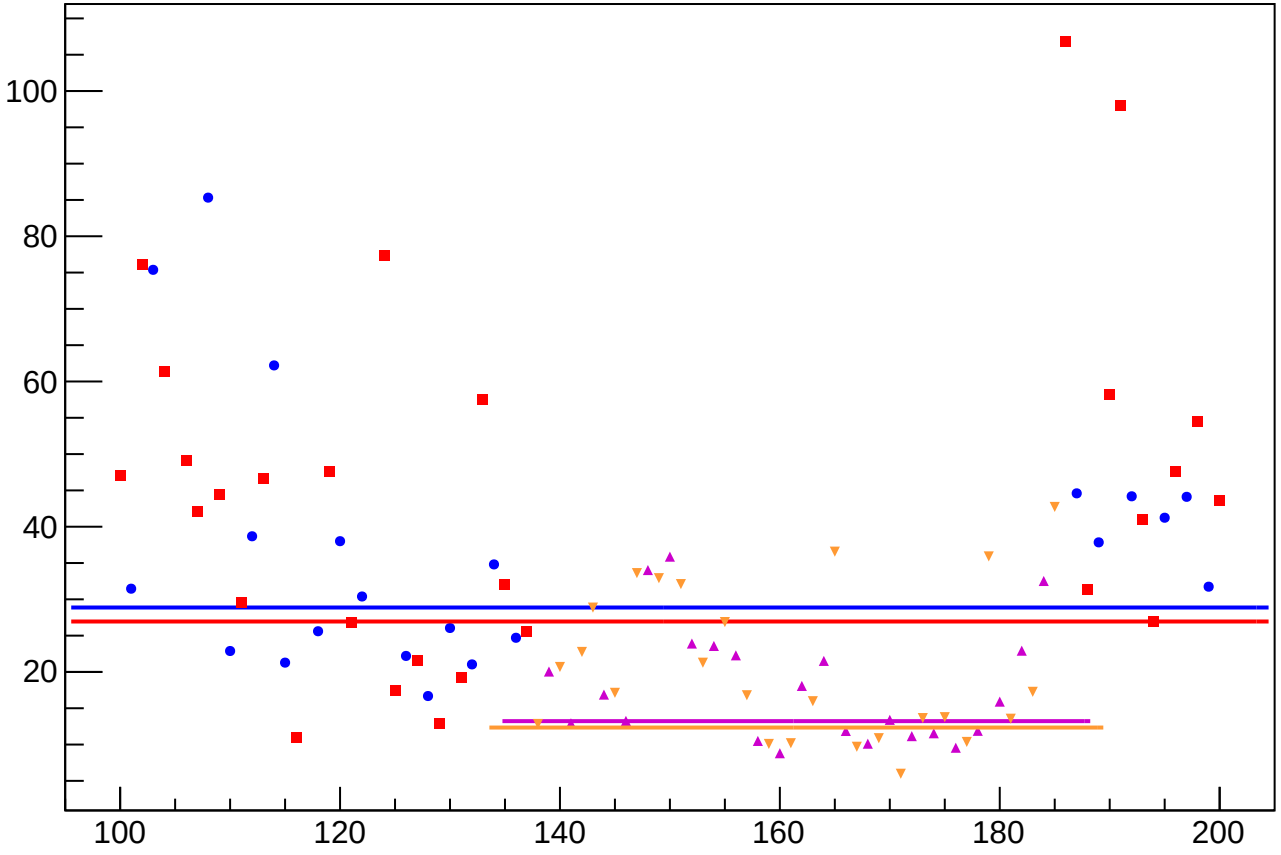
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 135.9/97

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

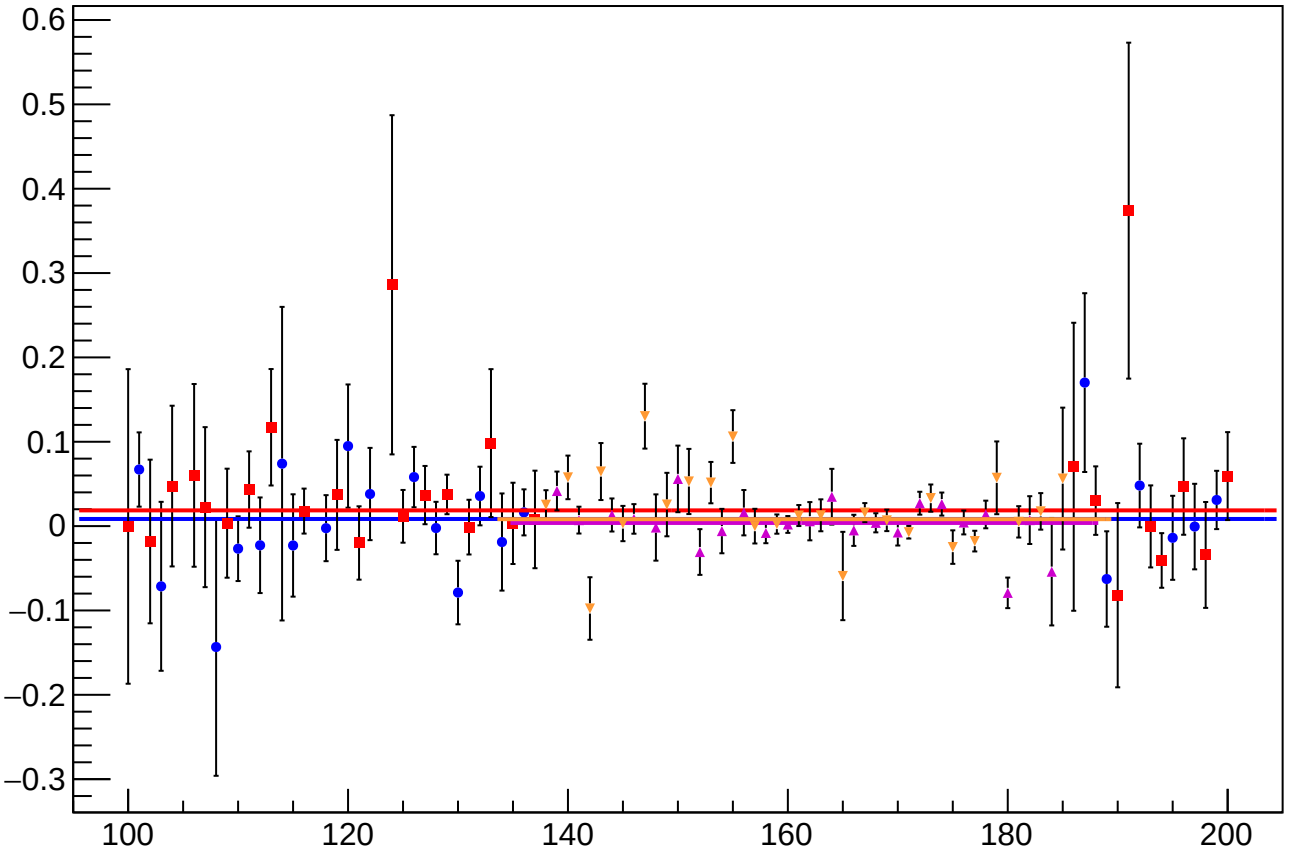
Right Out: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 14.192+/-0.002 χ^2/NDF: 13990095.1/46

All: 14.638+/-0.002 χ^2/NDF: 27401525.9/97

\- sign 15.118+/-0.002 χ^2/NDF: 13333319.9/50



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

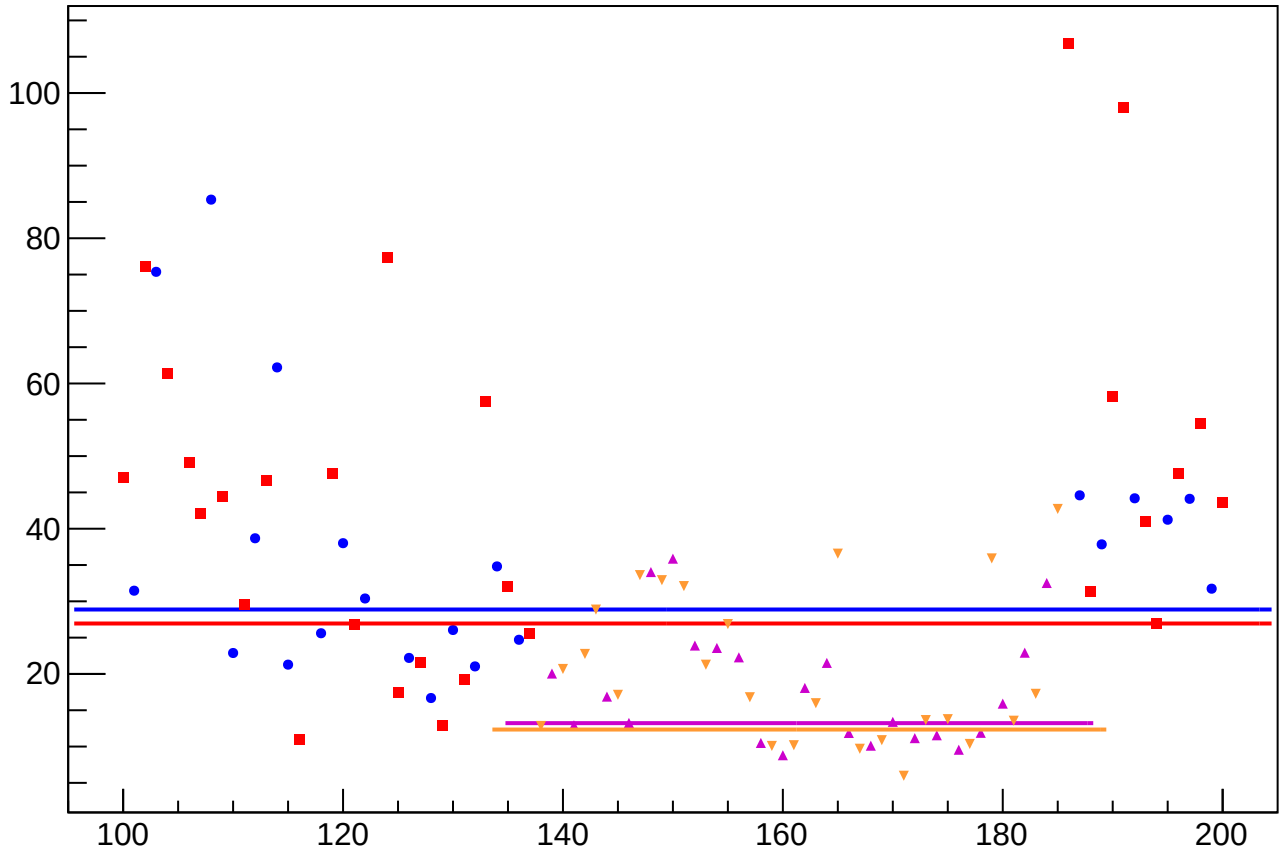
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 135.9/97

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

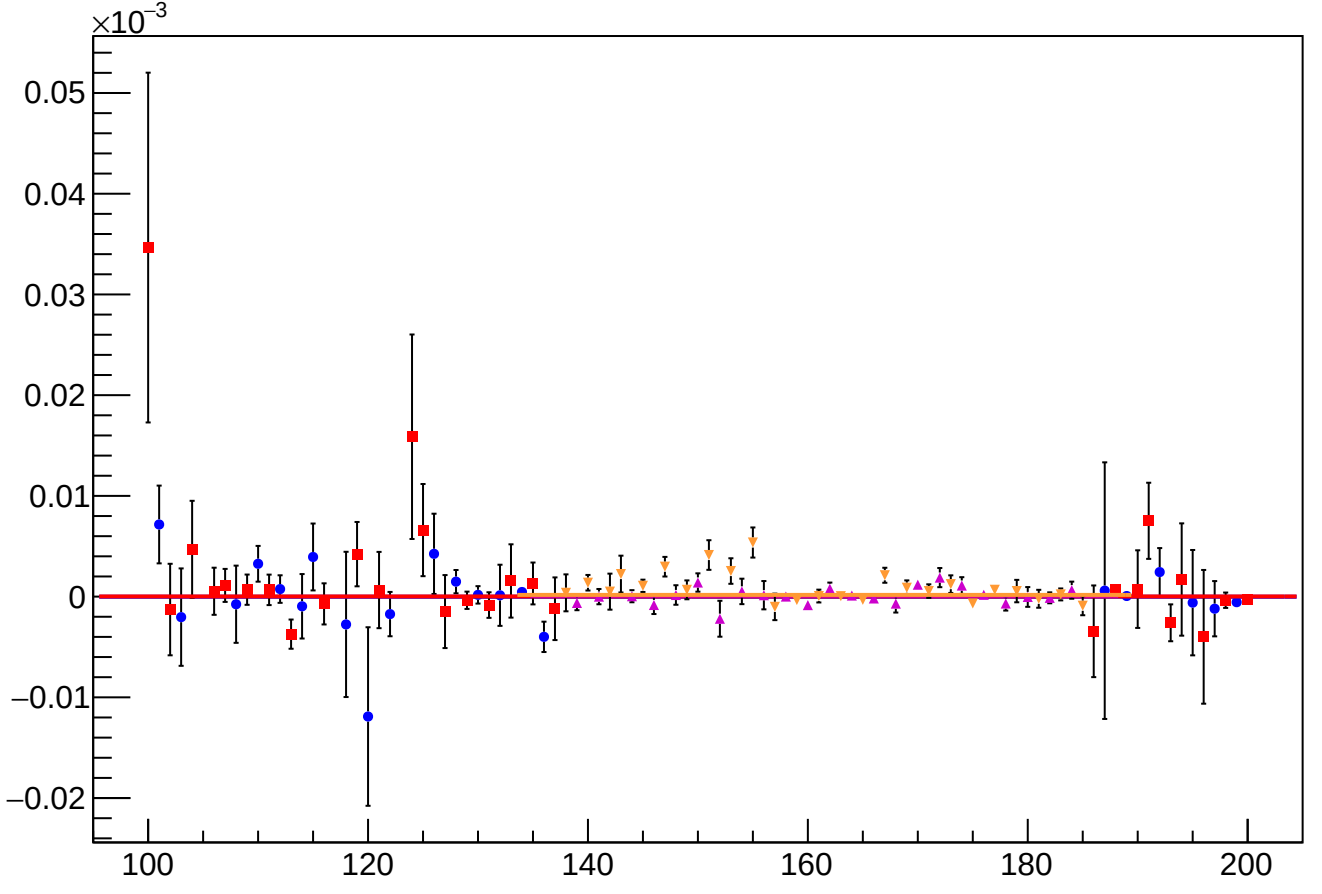
Right Out: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 14.192+/-0.002 χ^2/NDF: 13990095.1/46

All: 14.638+/-0.002 χ^2/NDF: 27401525.9/97

\- sign 15.118+/-0.002 χ^2/NDF: 13333319.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

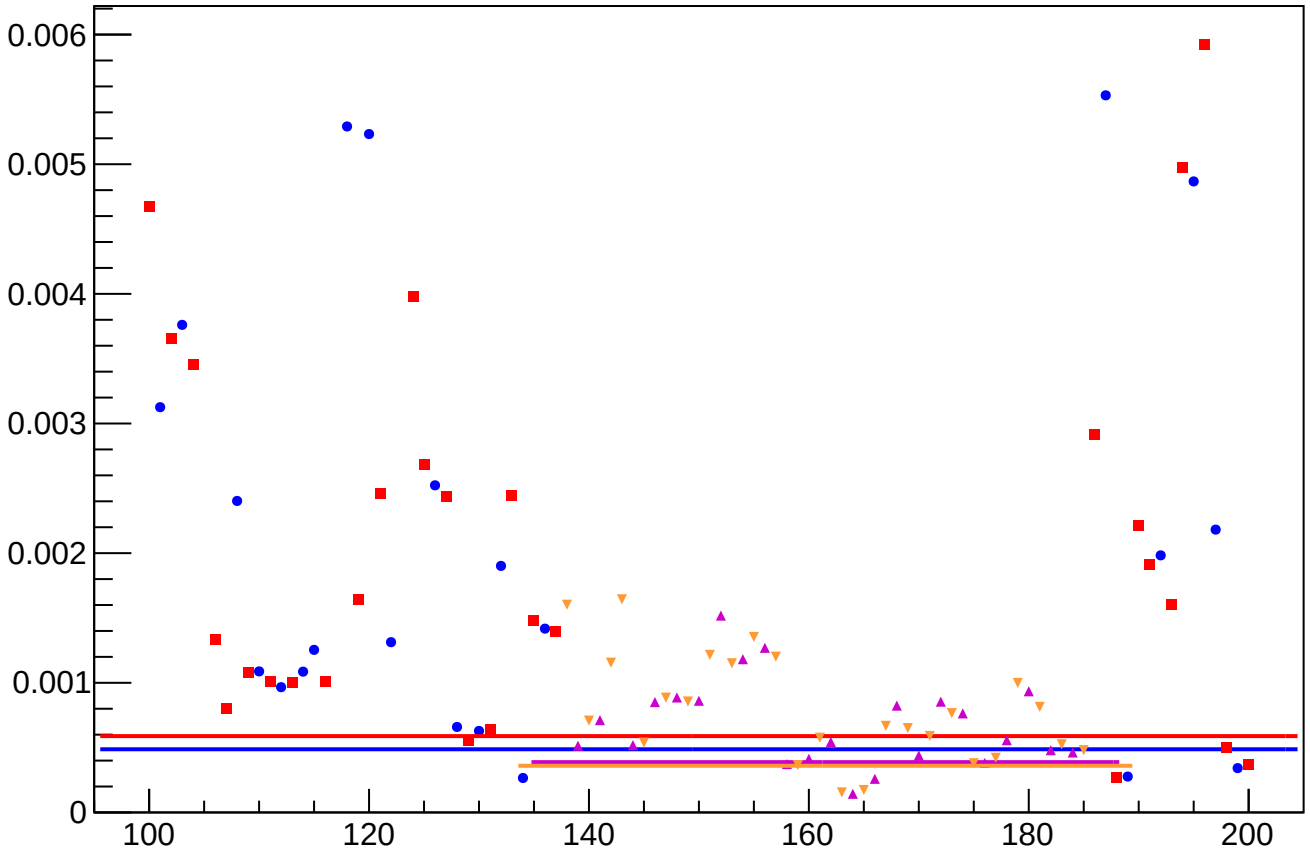
Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/27

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.9/46

All: 0.000+/-0.000 χ^2/NDF: 143.1/97

- sign 0.000+/-0.000 χ^2/NDF: 55.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 10985408.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

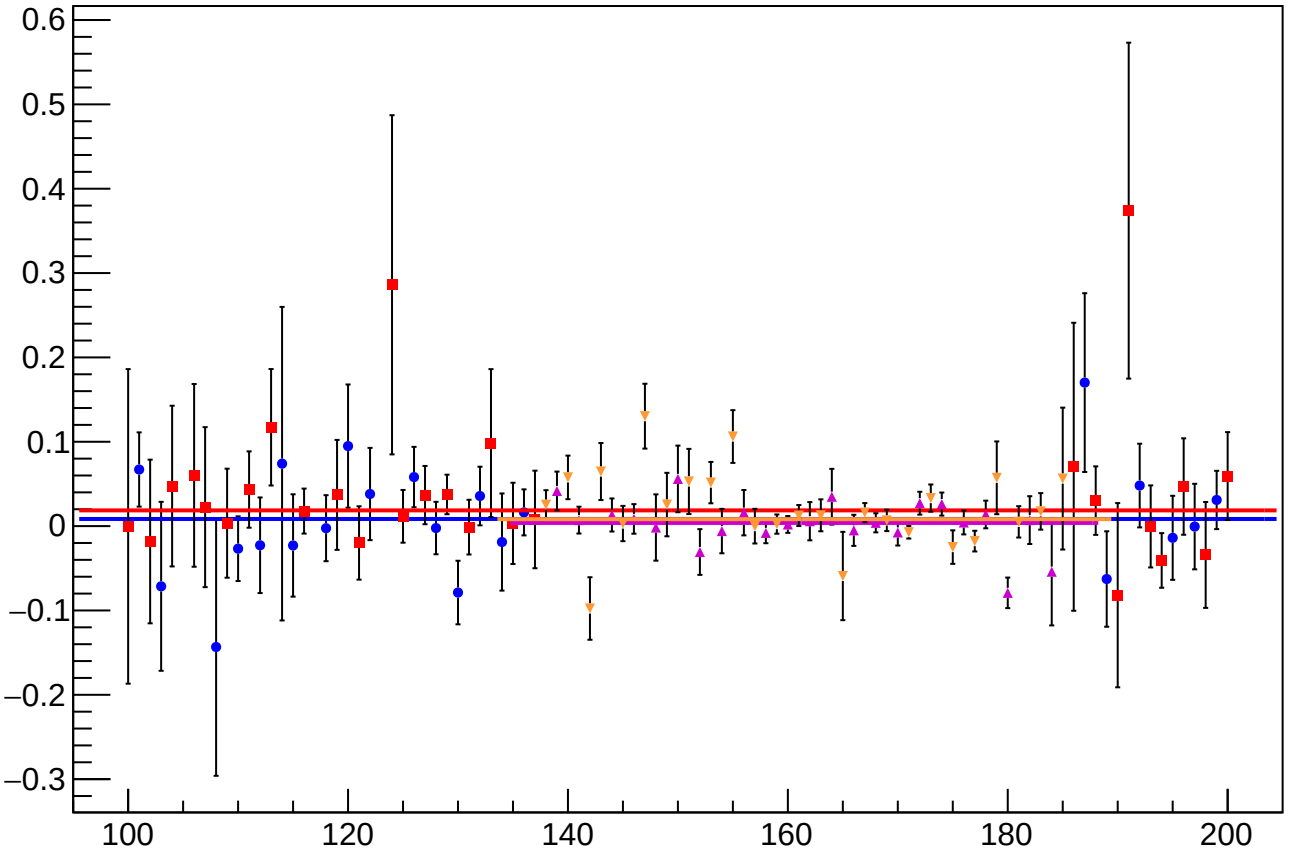
Right Out: 0.001+/-0.000 χ^2/NDF: 11325877.0/27

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25558035.8/46

All: 0.000+/-0.000 χ^2/NDF: 48714829.3/97

- sign 0.000+/-0.000 χ^2/NDF: 22977713.2/50



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

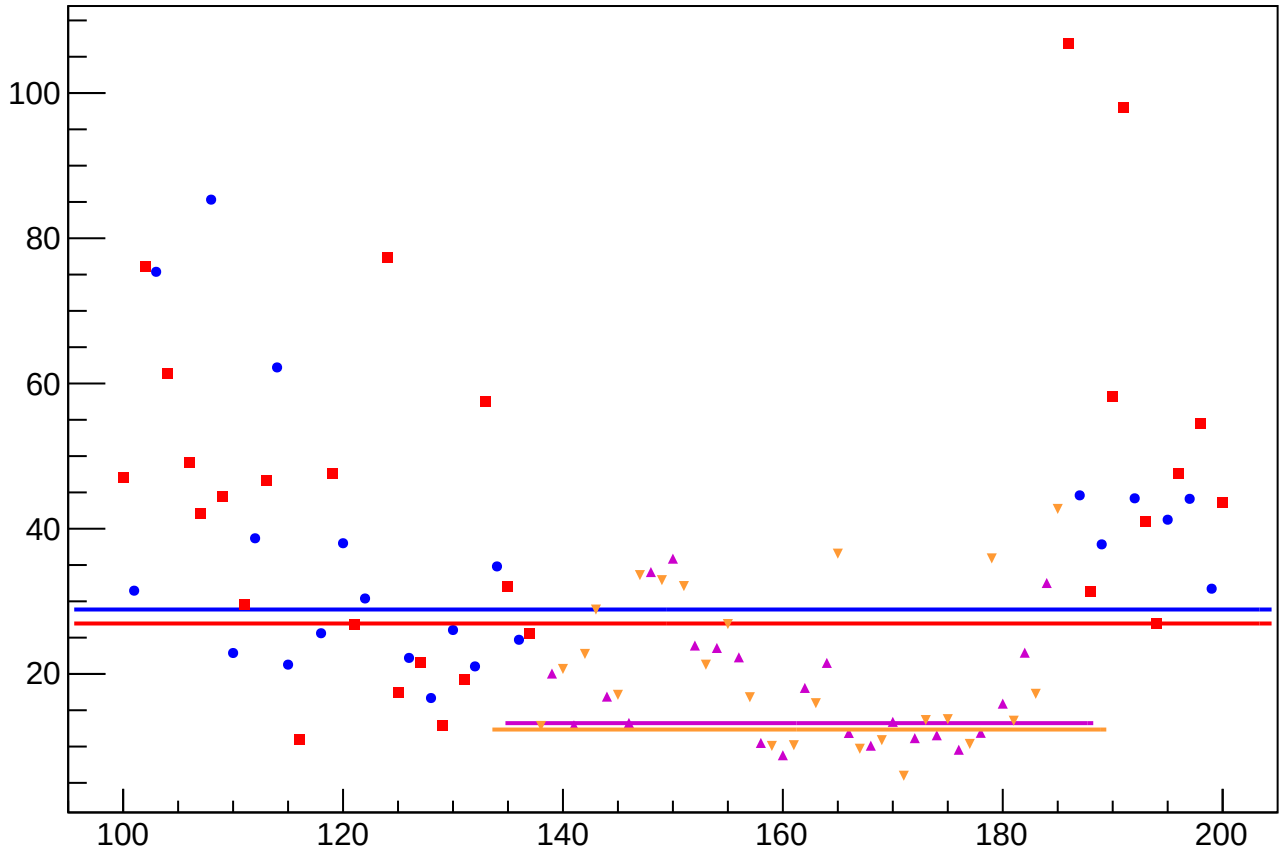
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 135.9/97

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

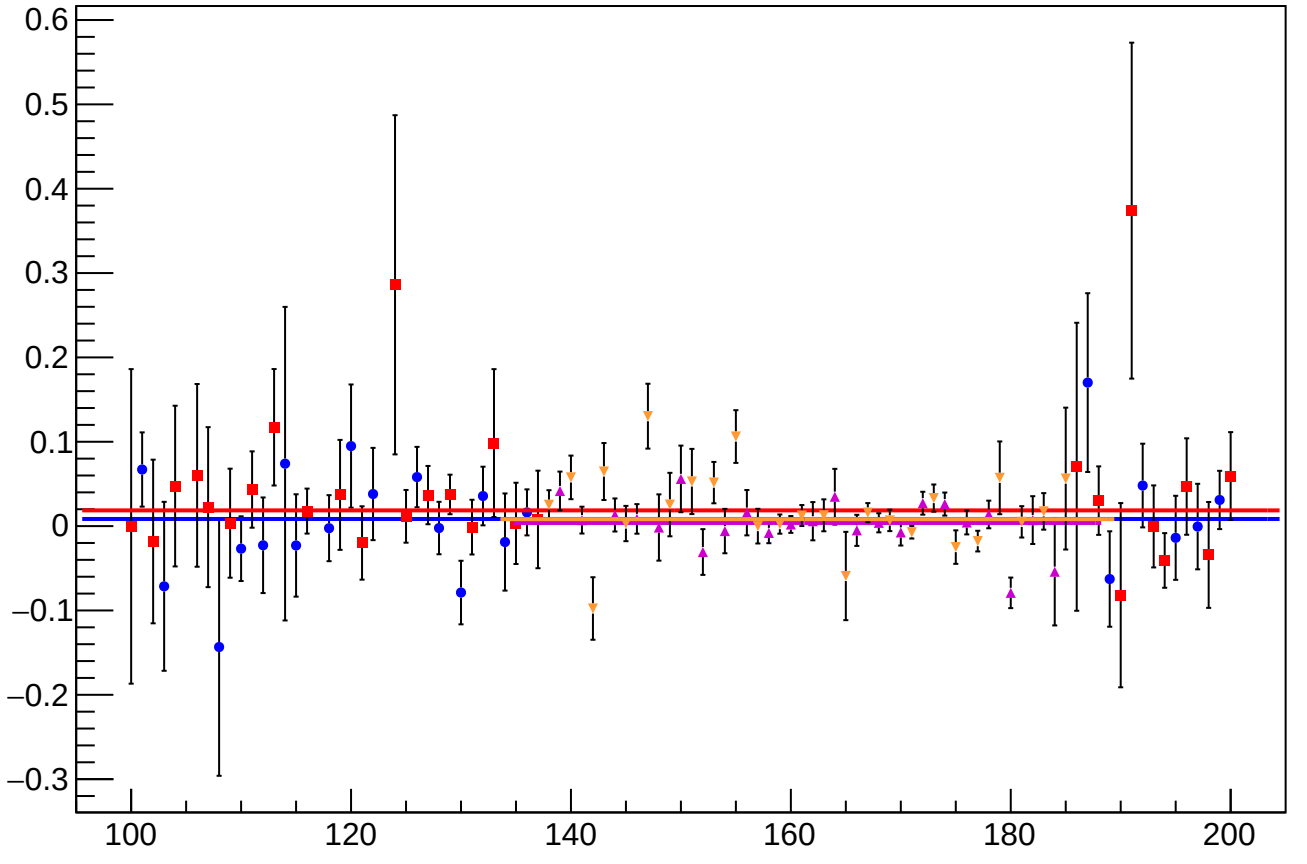
Right Out: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 14.192+/-0.002 χ^2/NDF: 13990326.0/46

All: 14.638+/-0.002 χ^2/NDF: 27401806.0/97

\- sign 15.118+/-0.002 χ^2/NDF: 13333373.3/50



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

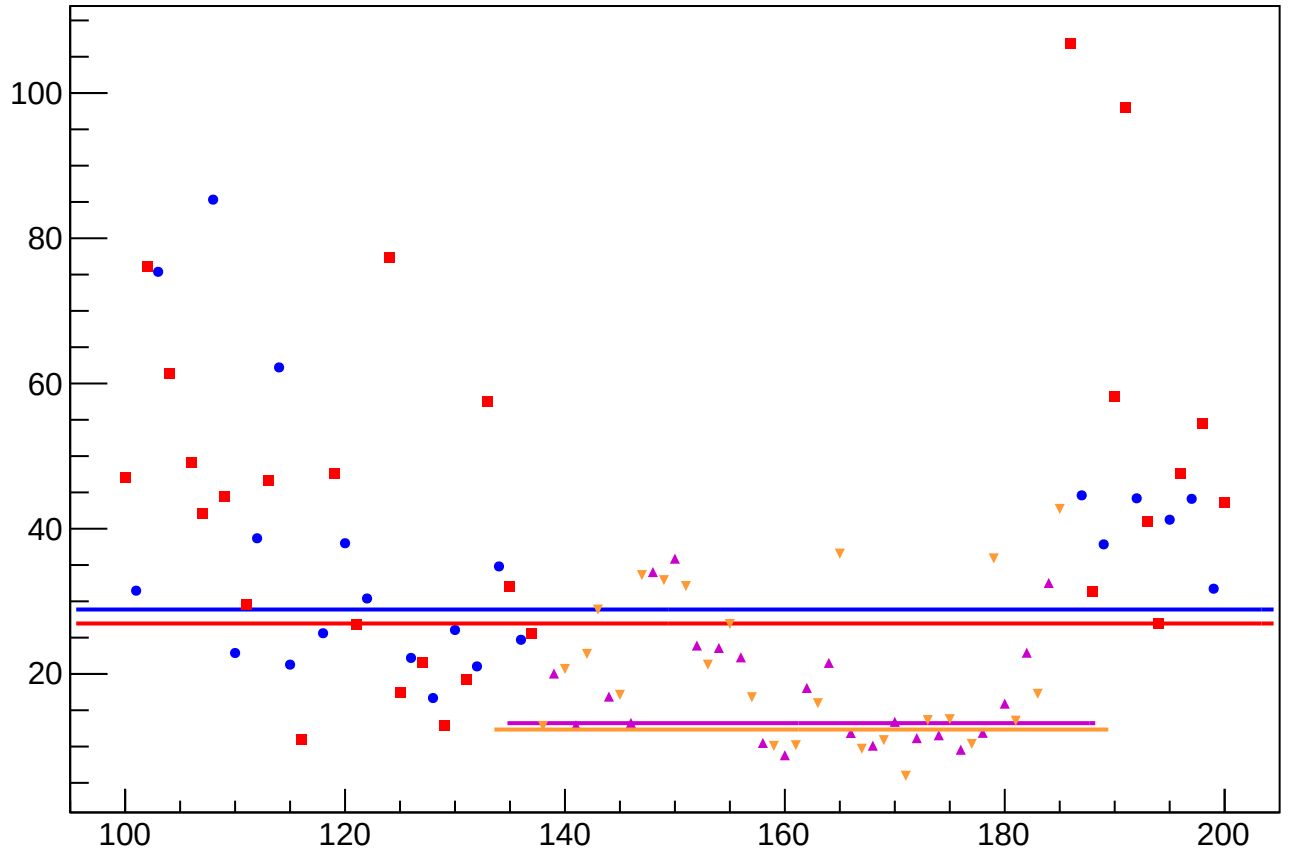
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 135.9/97

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

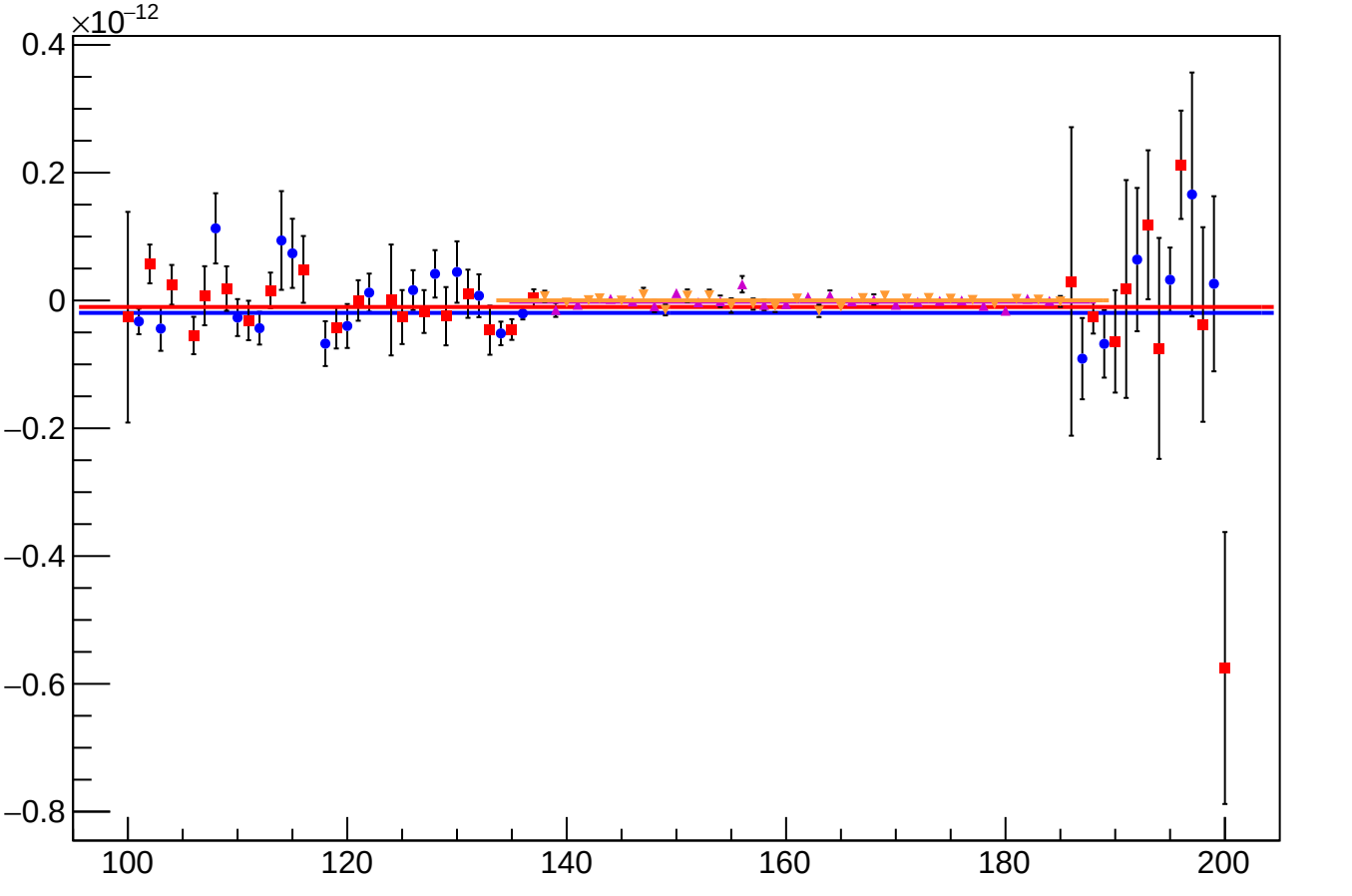
Right Out: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.192+/-0.002 χ^2/NDF: 13990326.0/46

All: 14.638+/-0.002 χ^2/NDF: 27401806.0/97

- sign 15.118+/-0.002 χ^2/NDF: 13333373.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

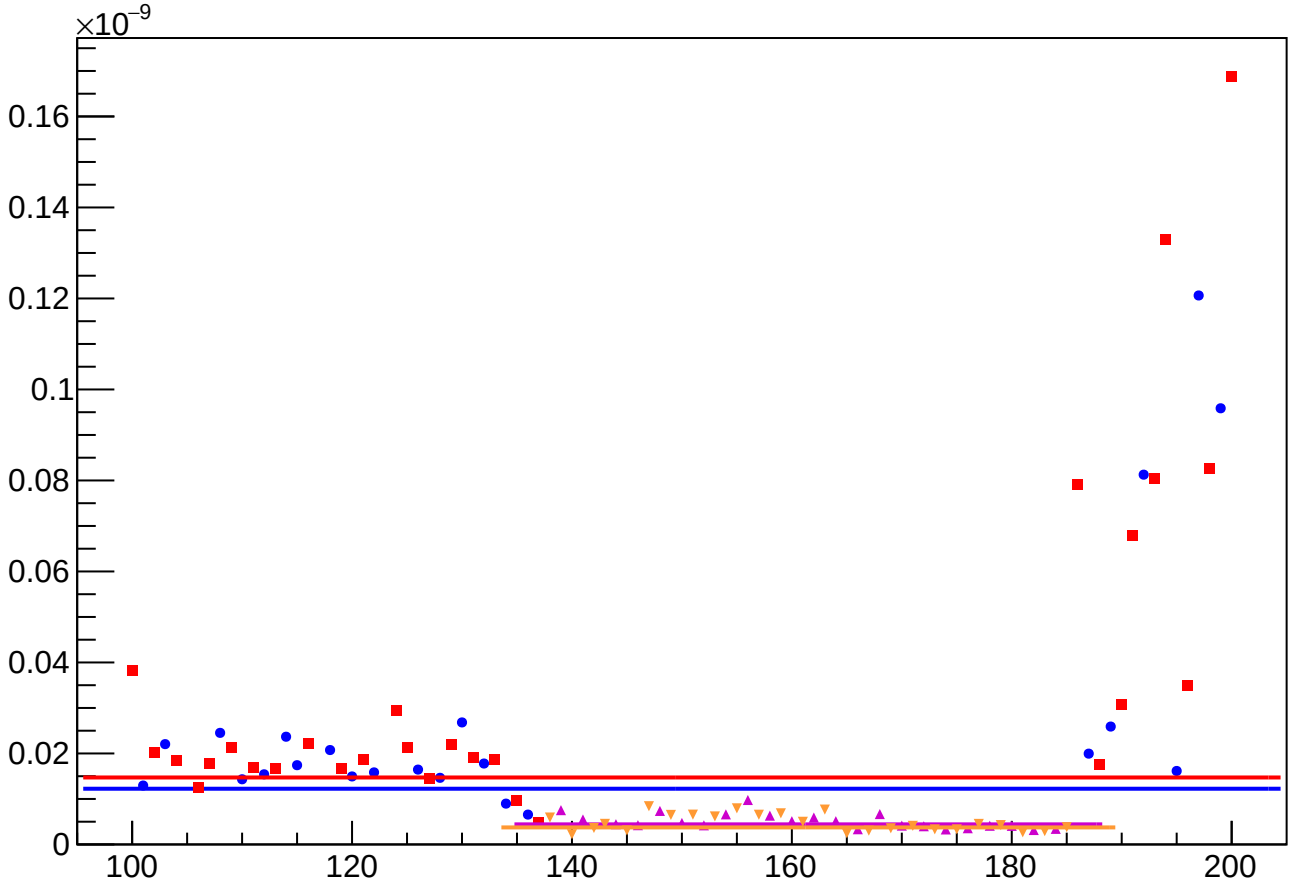
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/27

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/46

All: -0.000+/-0.000 χ^2/NDF: 126.9/97

- sign -0.000+/-0.000 χ^2/NDF: 63.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 3954151.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5316149.9/27

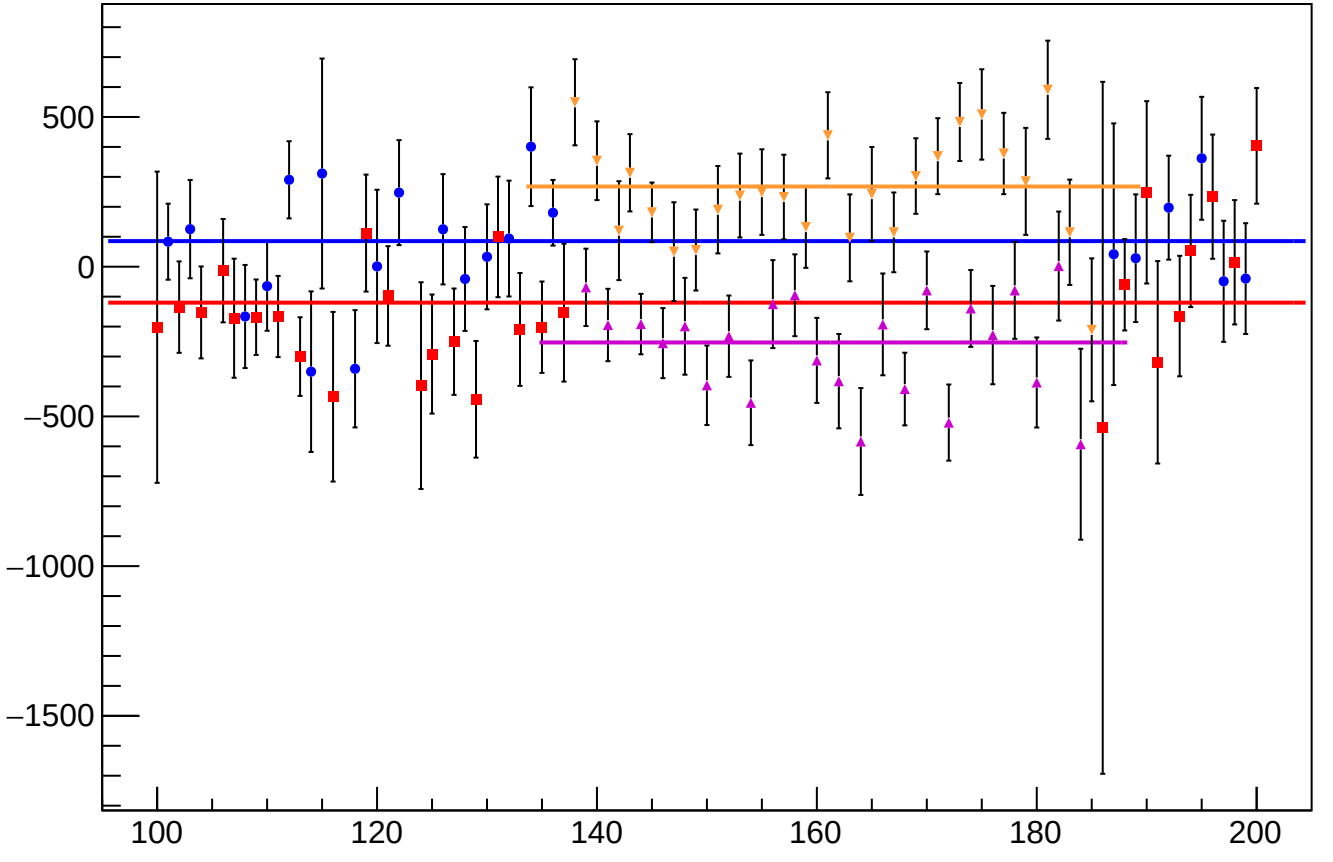
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11024535.6/46

All: 0.000+/-0.000 χ^2/NDF: 23327647.8/97

- sign 0.000+/-0.000 χ^2/NDF: 11909034.9/50

reg_asym_sam_48_dd_mean vs Slug



Right In: 85.469+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -120.014+/-35.484 χ^2/NDF: 25.4/27

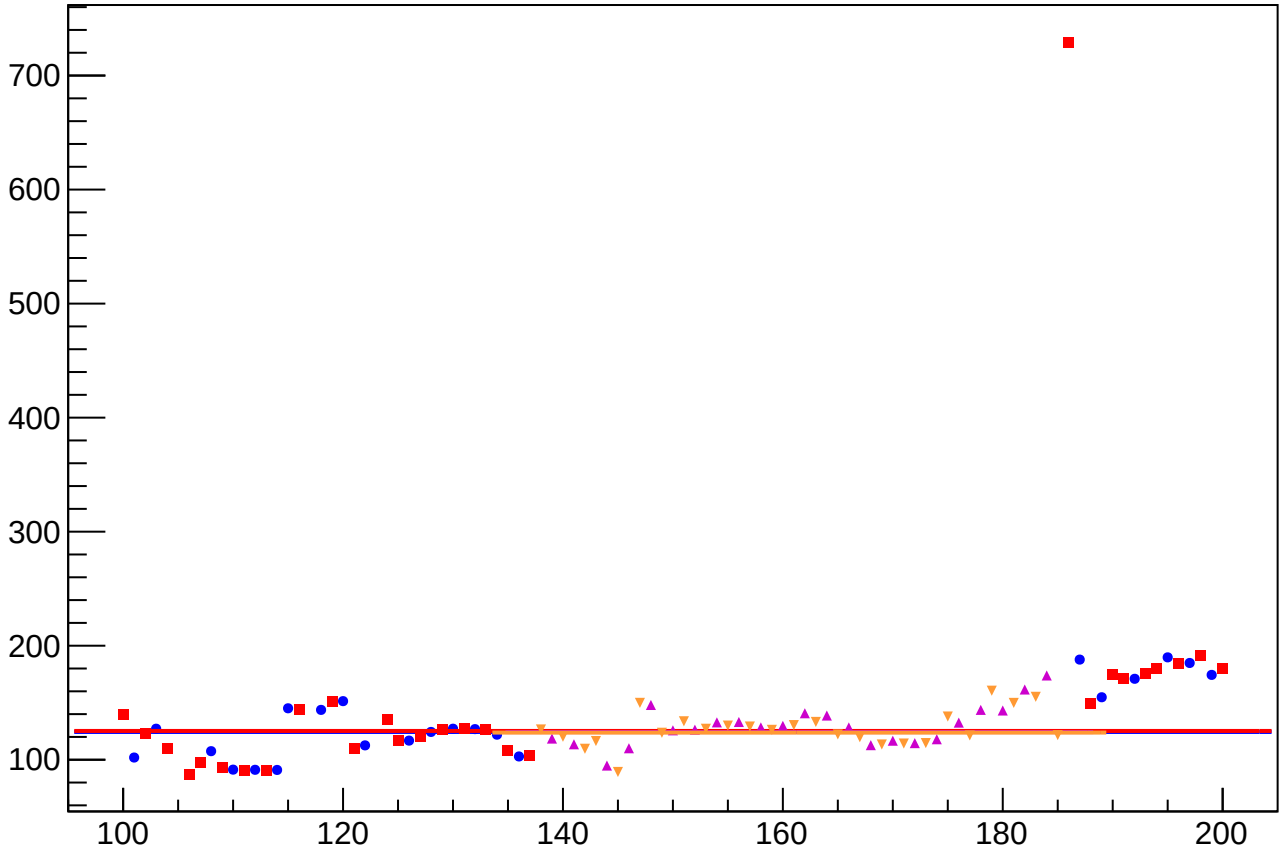
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 201.903+/-22.702 χ^2/NDF: 67.5/46

All: 0.498+/-16.016 χ^2/NDF: 284.1/97

- sign -199.087+/-22.599 χ^2/NDF: 60.0/50

reg_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.4/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 125.245+/-0.025 χ^2/NDF: 2184099.8/27

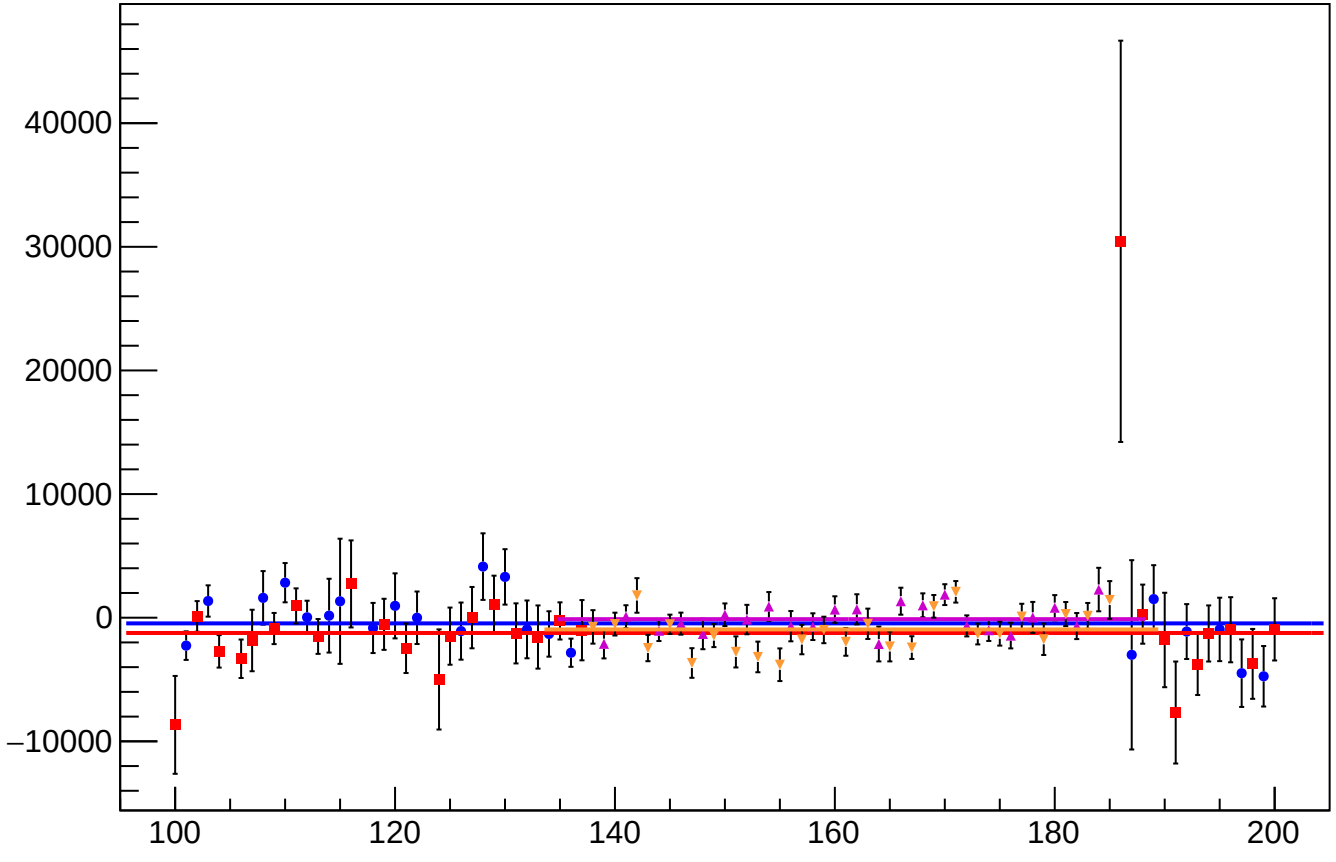
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.1/46

All: 124.335+/-0.011 χ^2/NDF: 4579515.8/97

- sign 124.659+/-0.016 χ^2/NDF: 2742232.6/50

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -459.638+/-412.413 χ^2/NDF: 26.7/21

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1235.461+/-387.009 χ^2/NDF: 23.1/27

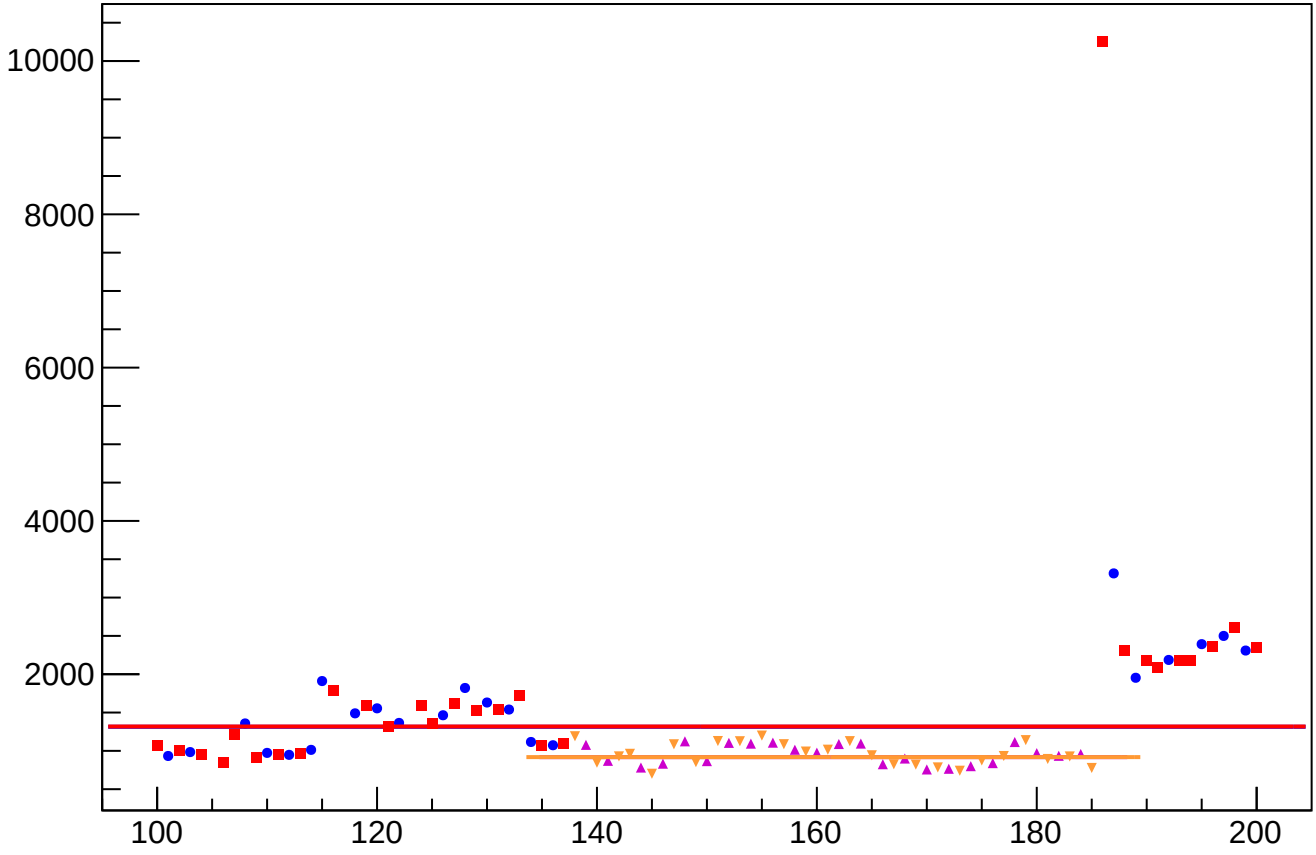
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -845.862+/-188.402 χ^2/NDF: 78.1/46

All: -617.094+/-133.567 χ^2/NDF: 134.9/97

- sign -385.929+/-189.386 χ^2/NDF: 53.8/50

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1314.273+/-0.292 χ^2/NDF: 2540828.0/21

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

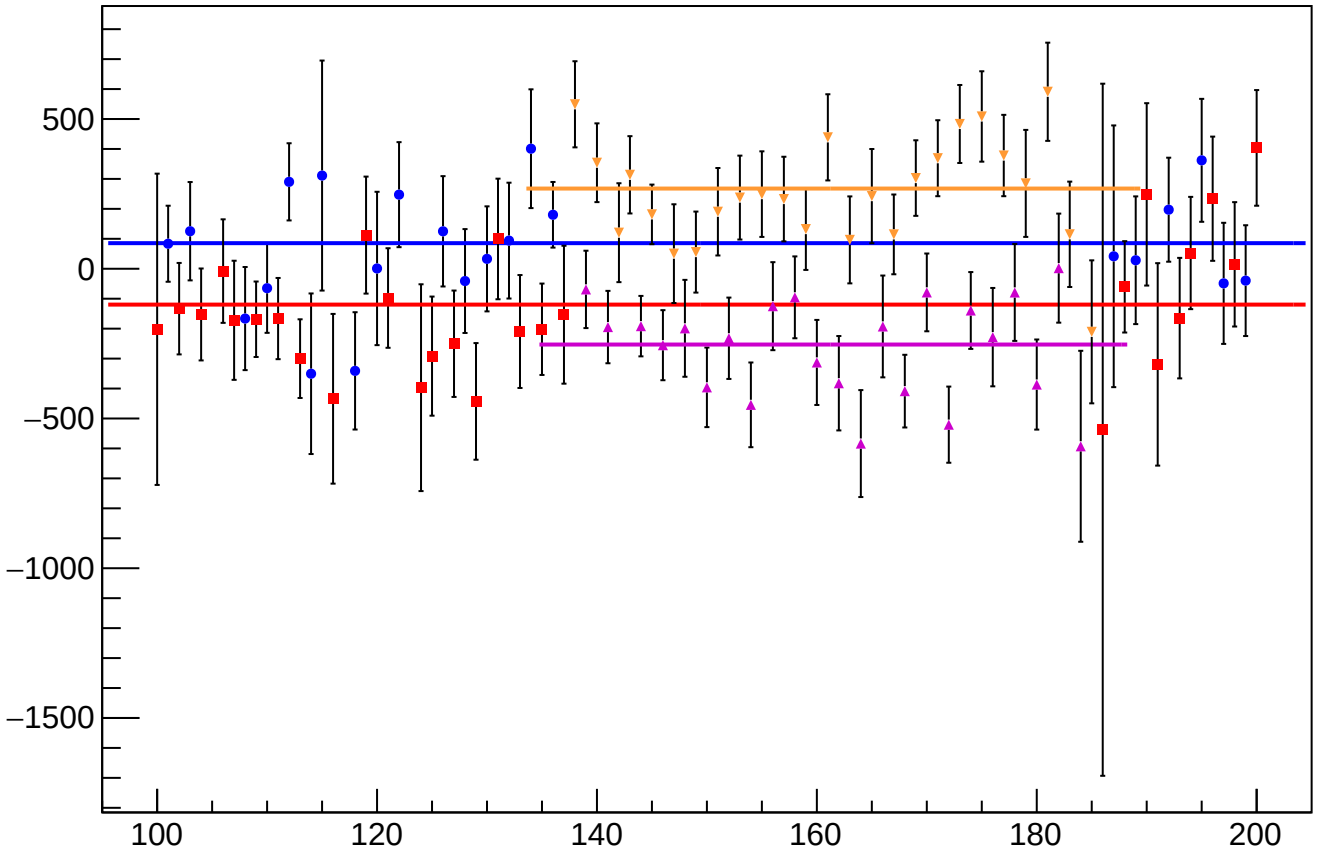
Right Out: 1317.636+/-0.274 χ^2/NDF: 3934154.3/27

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1001.096+/-0.133 χ^2/NDF: 4886120.4/46

All: 1007.447+/-0.094 χ^2/NDF: 11111298.9/9

- sign 1013.864+/-0.134 χ^2/NDF: 6220609.2/50



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -119.707+/-35.488 χ^2/NDF: 25.5/27

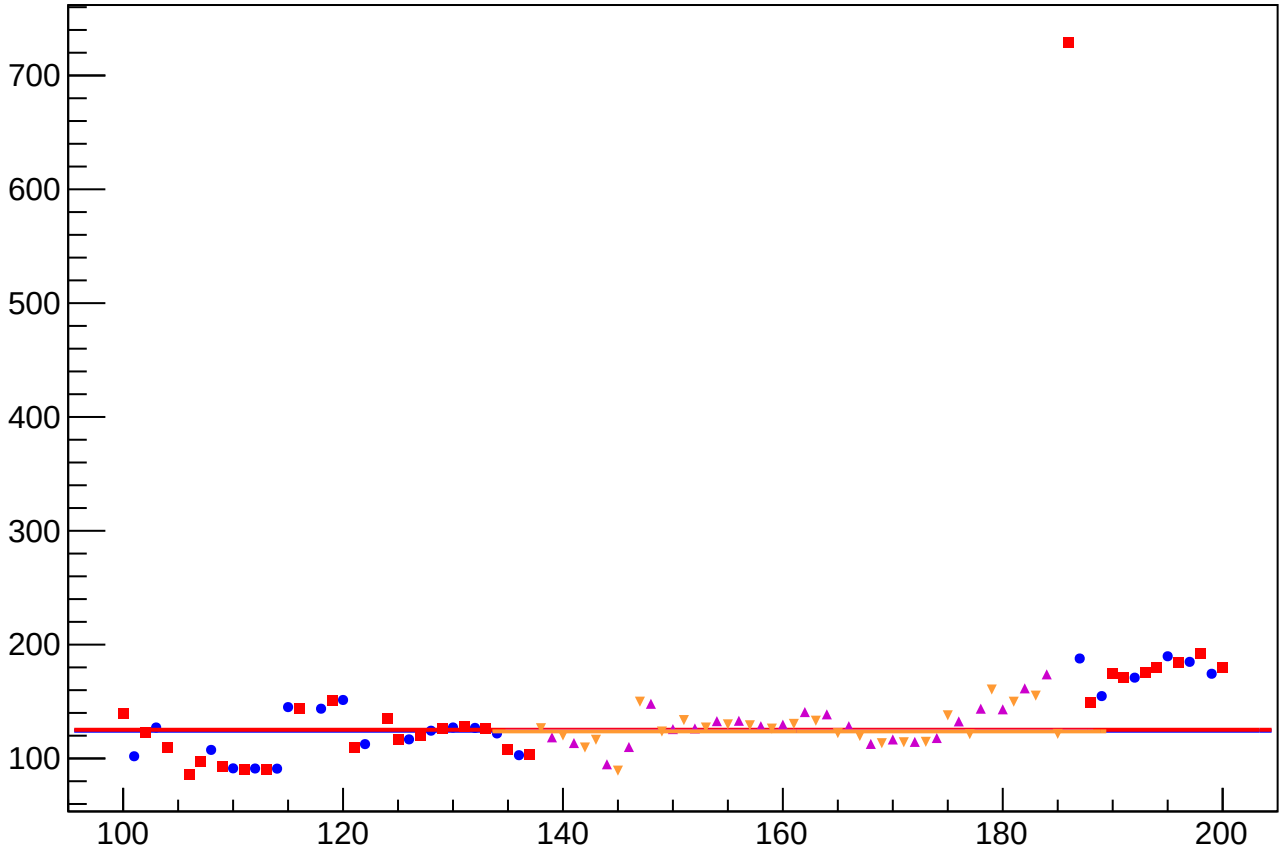
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 201.906+/-22.702 χ^2/NDF: 67.5/46

All: 0.566+/-16.017 χ^2/NDF: 284.1/97

- sign -198.971+/-22.600 χ^2/NDF: 60.0/50

cor_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

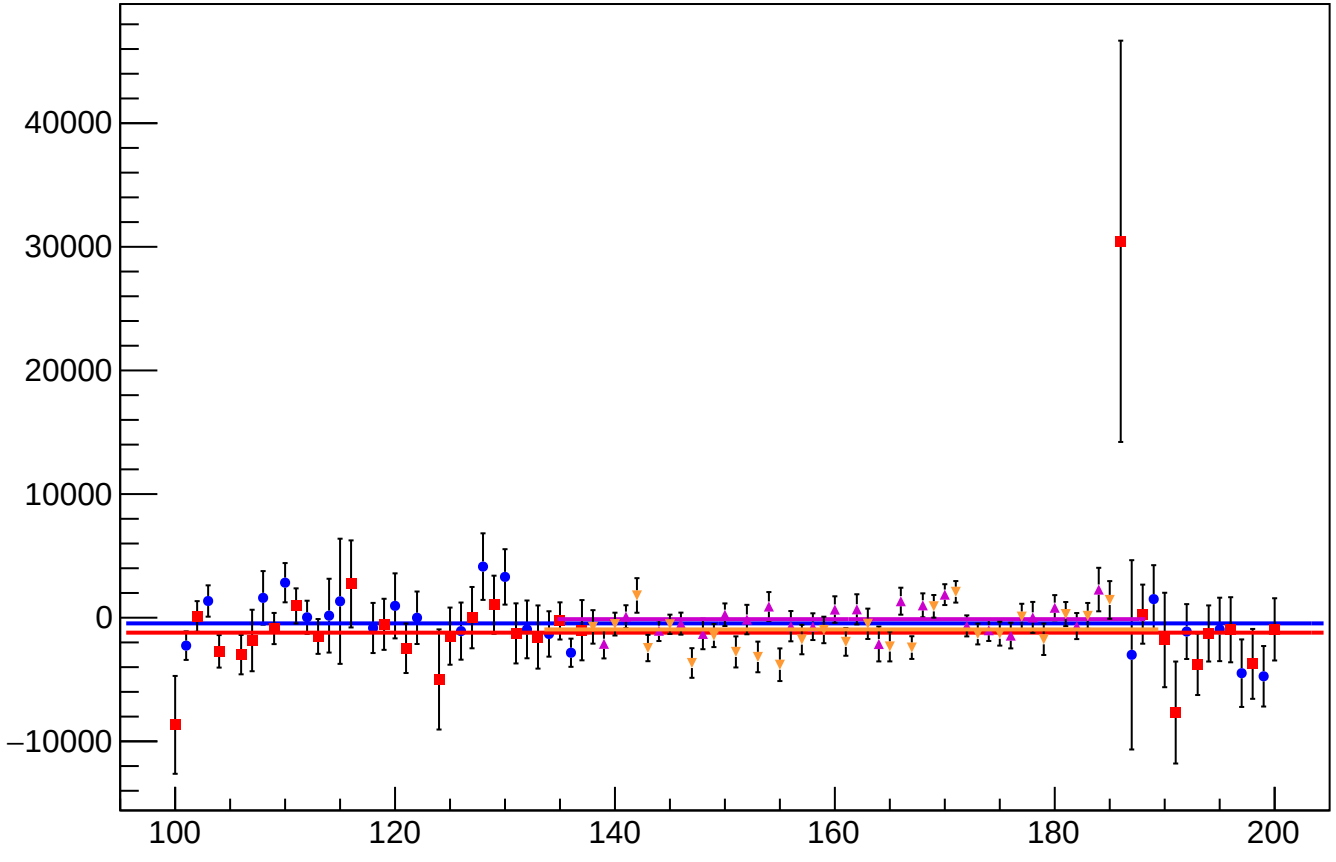
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.4/46

All: 124.327+/-0.011 χ^2/NDF: 4584971.9/97

- sign 124.643+/-0.016 χ^2/NDF: 2747728.6/50

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1210.086+/-387.572 χ^2/NDF: 22.5/27

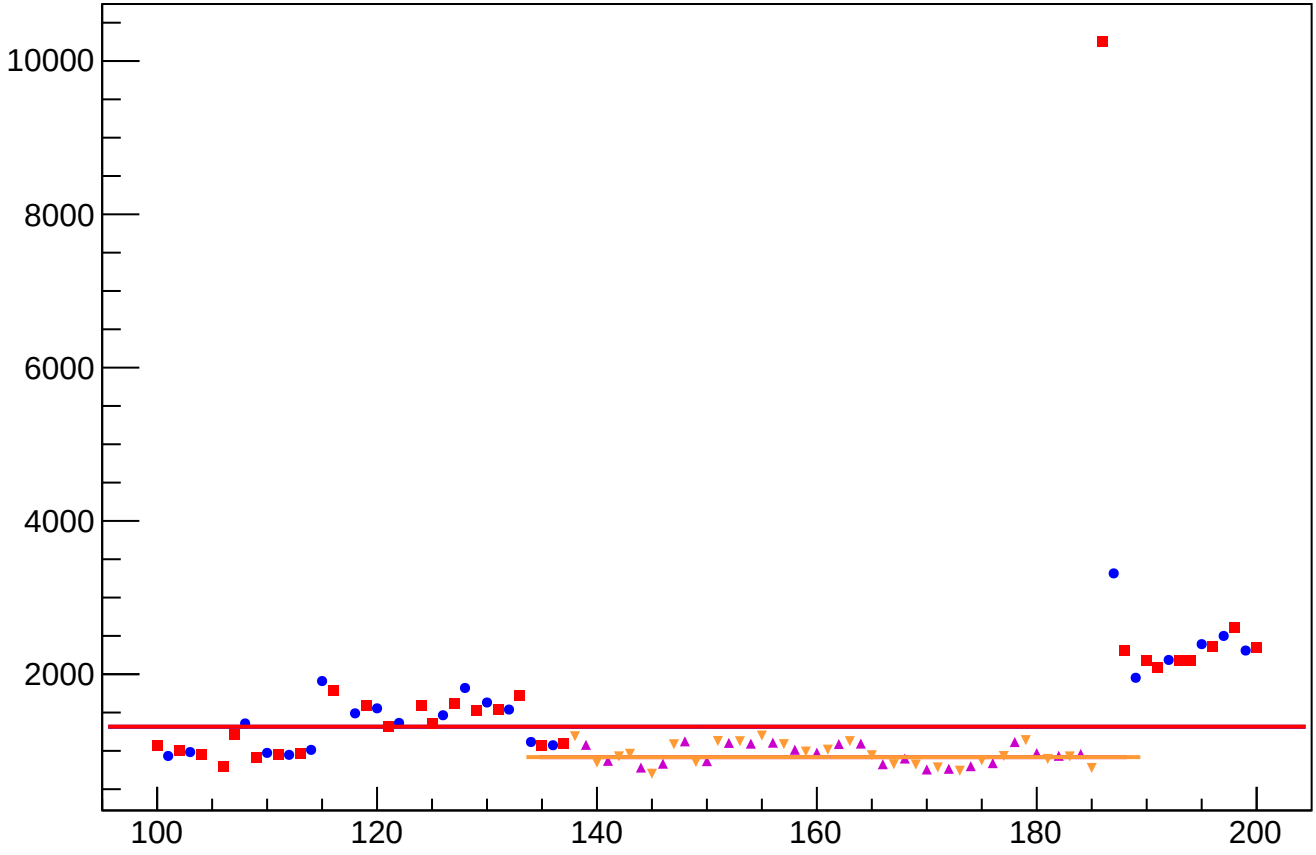
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -845.870+/-188.402 χ^2/NDF: 78.1/46

All: -613.870+/-133.590 χ^2/NDF: 134.1/97

- sign -379.277+/-189.452 χ^2/NDF: 53.0/50

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1314.284+/-0.292 χ^2/NDF: 2540762.7/21

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1316.035+/-0.274 χ^2/NDF: 3964916.5/27

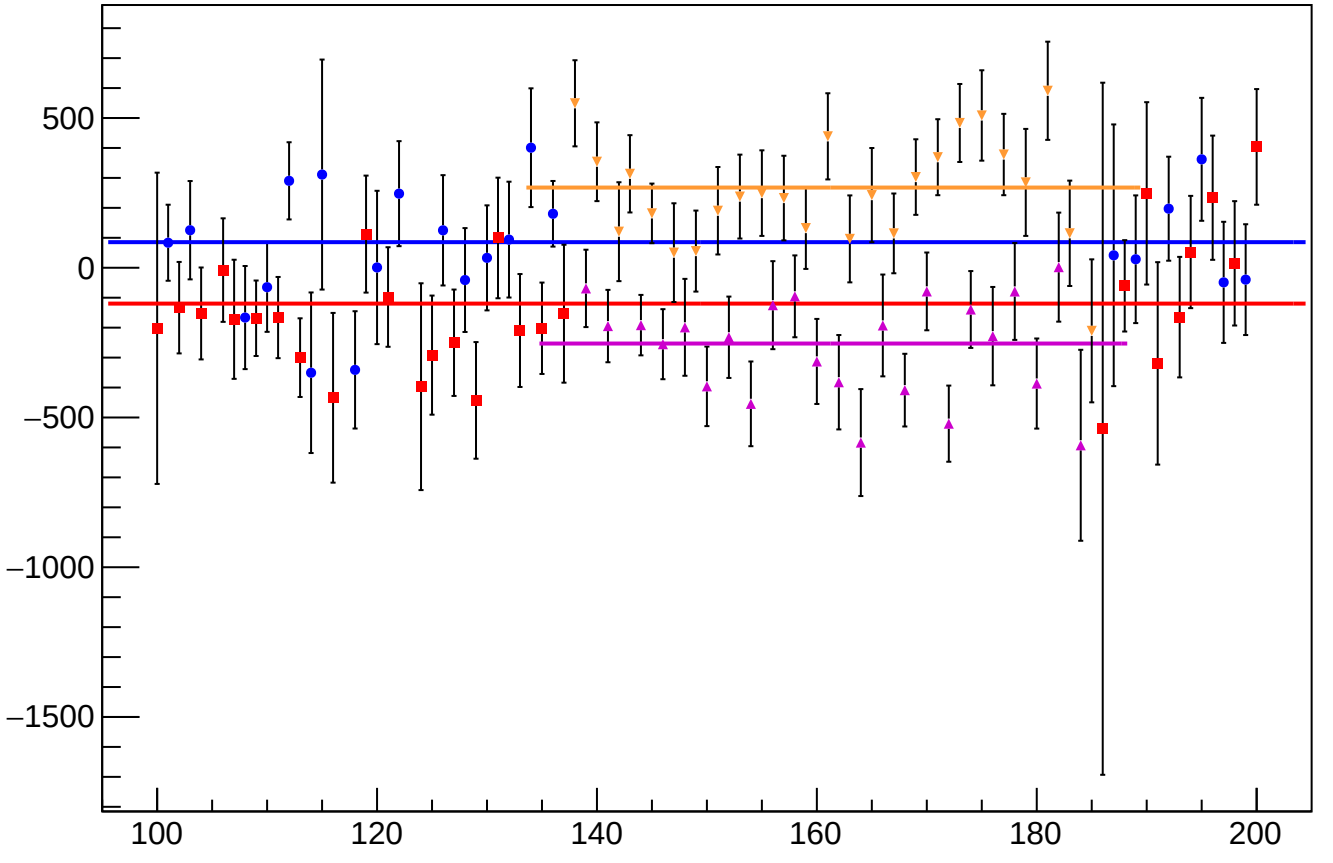
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1001.097+/-0.133 χ^2/NDF: 4886115.4/46

All: 1007.150+/-0.094 χ^2/NDF: 11125123.1/9

- sign 1013.271+/-0.134 χ^2/NDF: 6234855.9/50

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -119.707+/-35.488 χ^2/NDF: 25.5/27

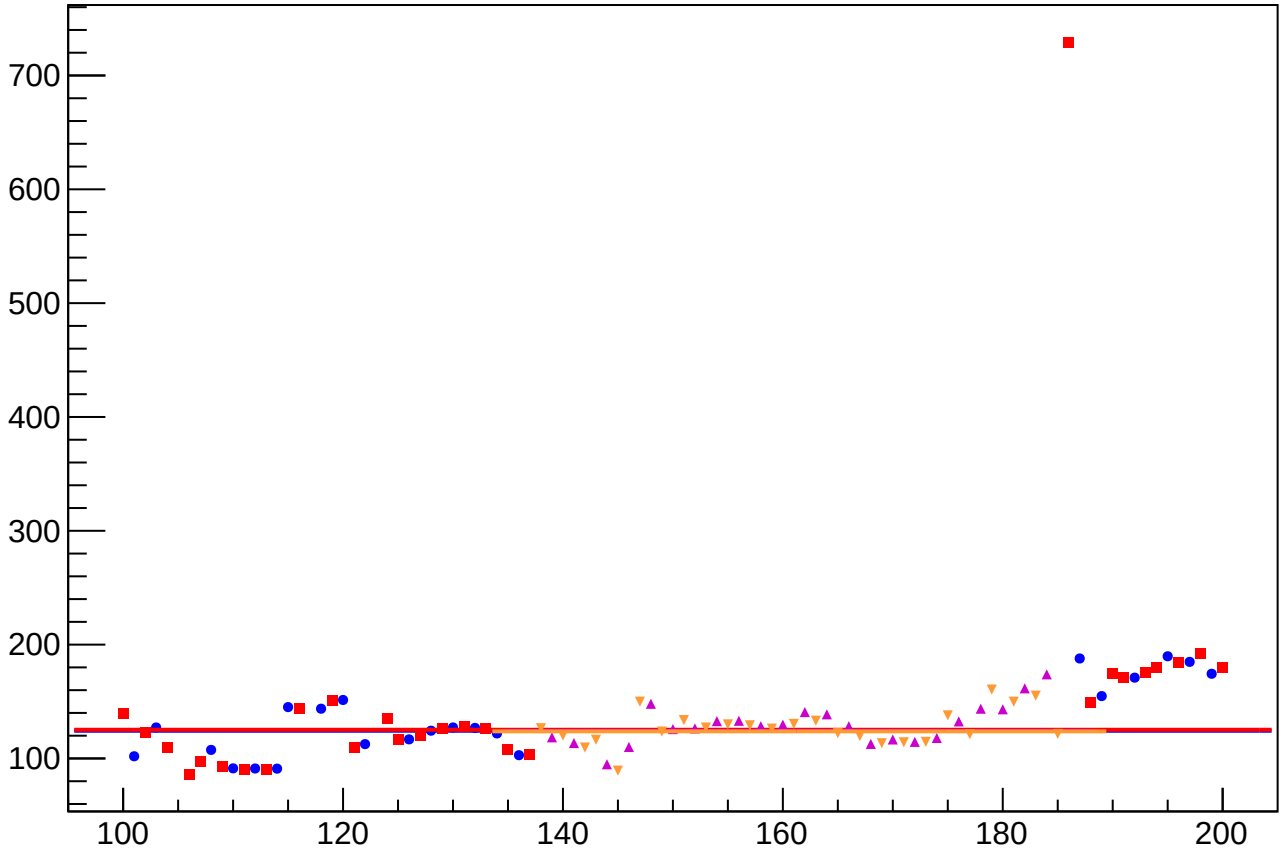
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 201.906+/-22.702 χ^2/NDF: 67.5/46

All: 0.566+/-16.017 χ^2/NDF: 284.1/97

- sign -198.971+/-22.600 χ^2/NDF: 60.0/50

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

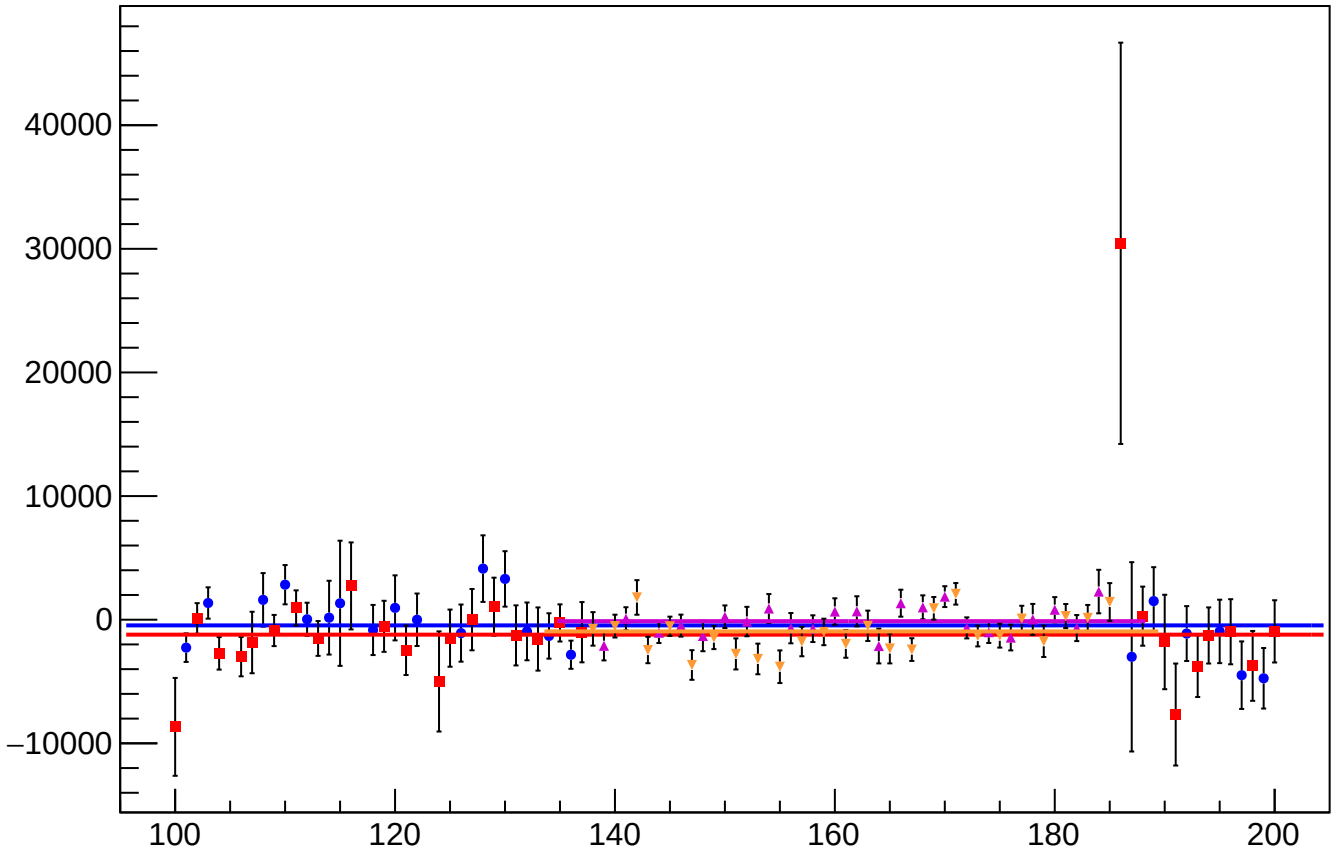
Right Out: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.4/46

All: 124.327+/-0.011 χ^2/NDF: 4584971.9/97

- sign 124.643+/-0.016 χ^2/NDF: 2747728.6/50



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

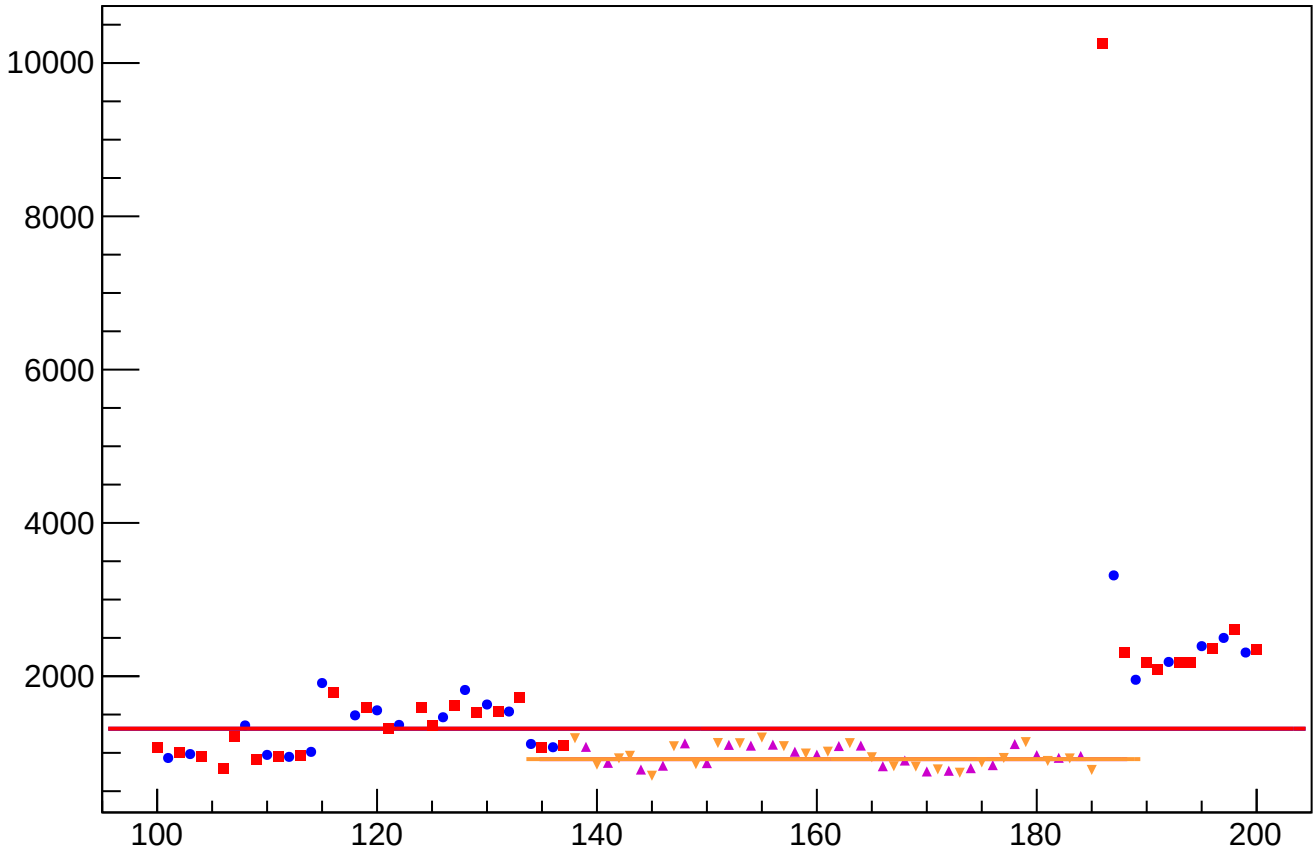
Right Out: -1210.086+/-387.572 χ^2/NDF: 22.5/27

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -845.870+/-188.402 χ^2/NDF: 78.1/46

All: -613.870+/-133.590 χ^2/NDF: 134.1/97

- sign -379.277+/-189.452 χ^2/NDF: 53.0/50



Right In: 1314.284+/-0.292 χ^2/NDF: 2540762.7/21

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1316.035+/-0.274 χ^2/NDF: 3964916.5/27

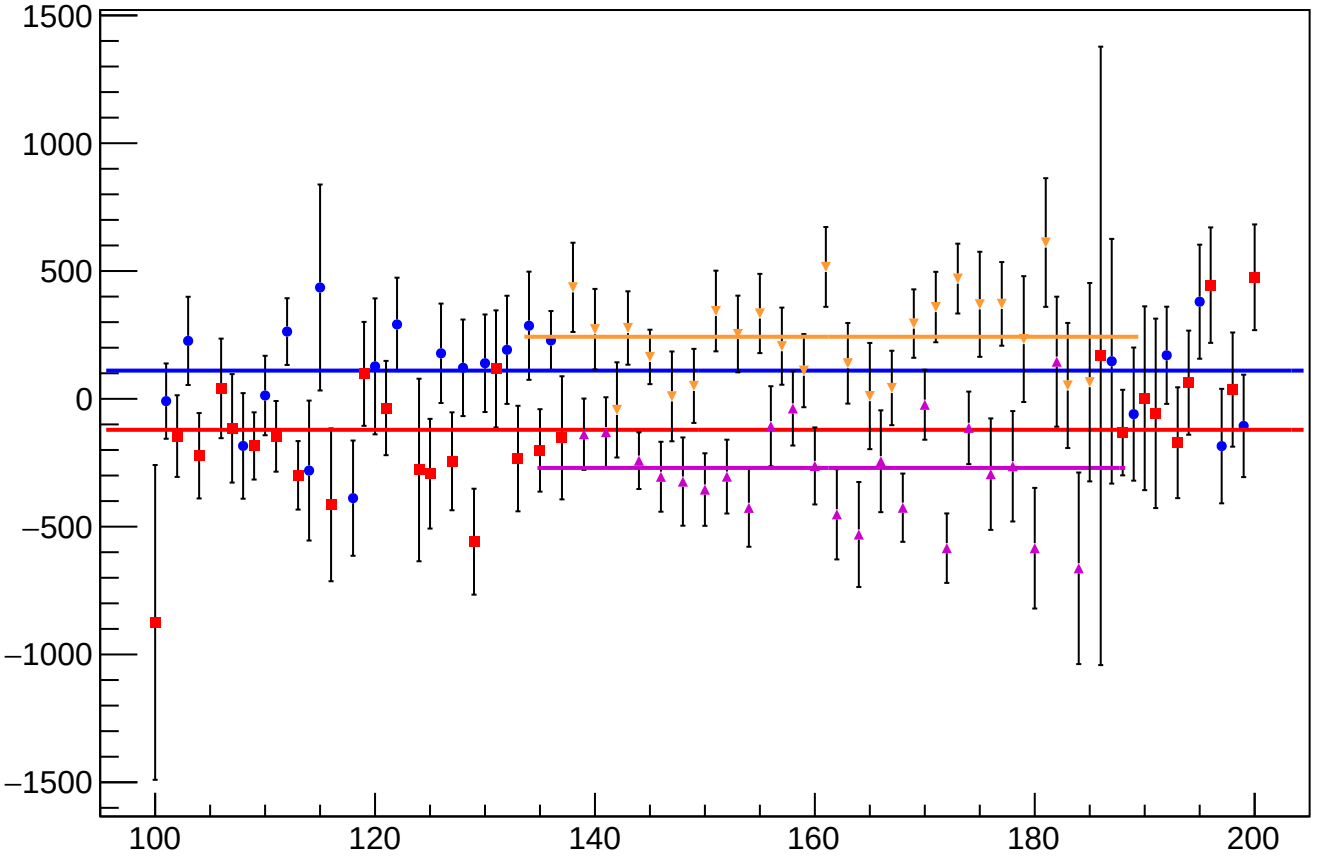
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1001.097+/-0.133 χ^2/NDF: 4886115.4/46

All: 1007.150+/-0.094 χ^2/NDF: 11125123.1/9

- sign 1013.271+/-0.134 χ^2/NDF: 6234855.9/50

dit_asym_sam_48_dd_mean vs Slug



Right In: 110.469+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -121.158+/-37.931 χ^2/NDF: 30.5/27

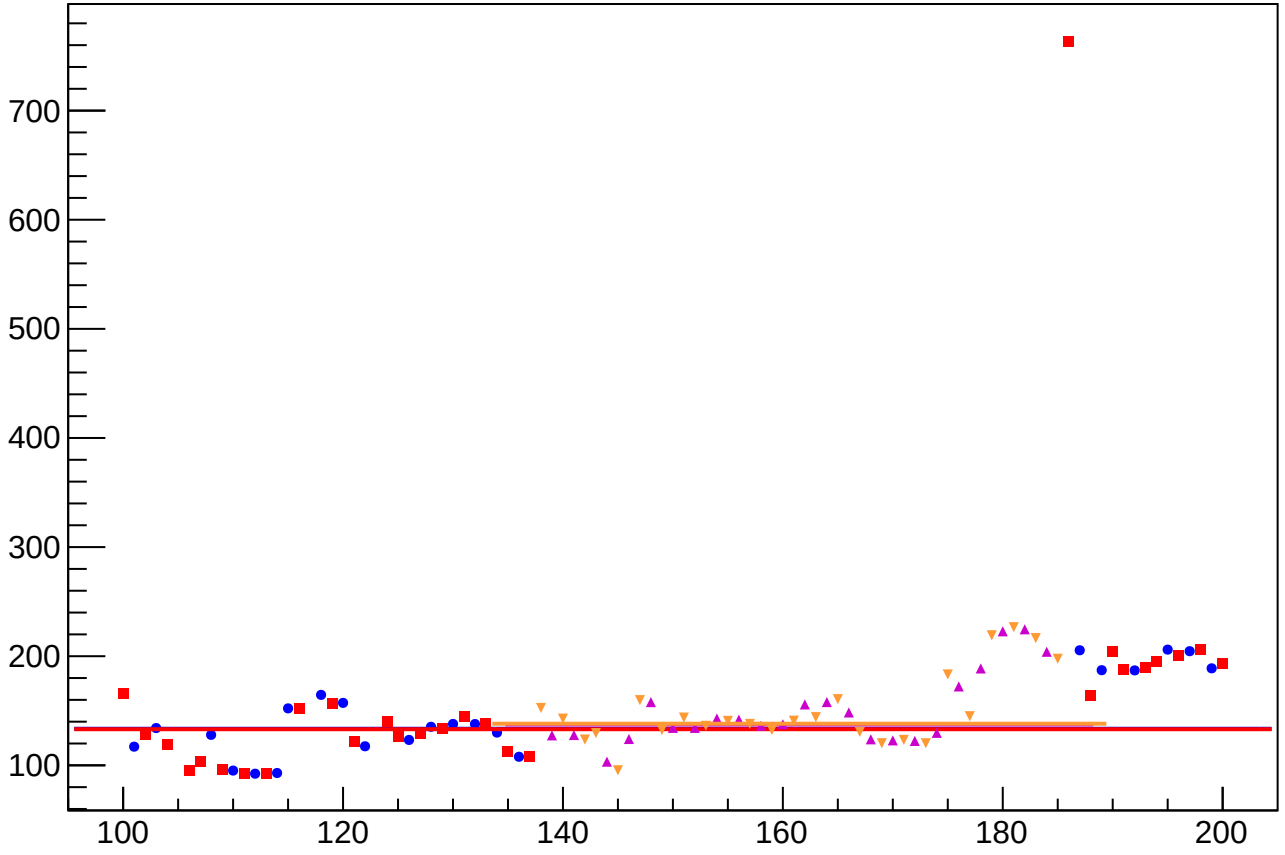
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 192.204+/-25.249 χ^2/NDF: 50.6/46

All: -10.196+/-17.711 χ^2/NDF: 243.1/97

- sign -206.251+/-24.851 χ^2/NDF: 66.0/50

dit_asym_sam_48_dd_rms vs Slug



Right In: 133.497+/-0.029 χ^2/NDF: 1426567.8/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 133.106+/-0.027 χ^2/NDF: 2368315.7/27

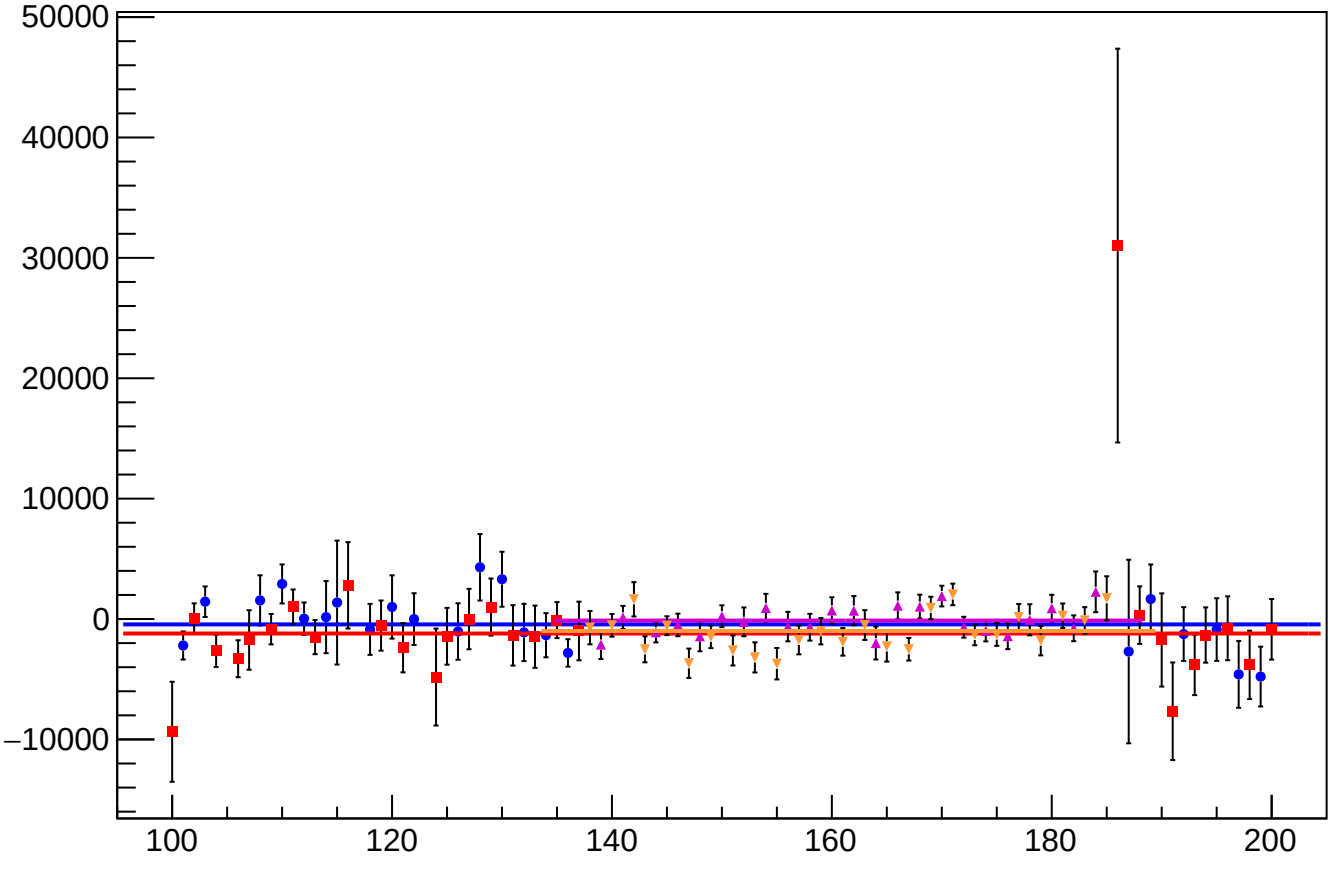
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 136.355+/-0.018 χ^2/NDF: 2780765.9/46

All: 135.976+/-0.013 χ^2/NDF: 6274562.2/97

- sign 135.609+/-0.018 χ^2/NDF: 3492909.2/50

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1203.287+/-389.529 χ^2/NDF: 23.5/27

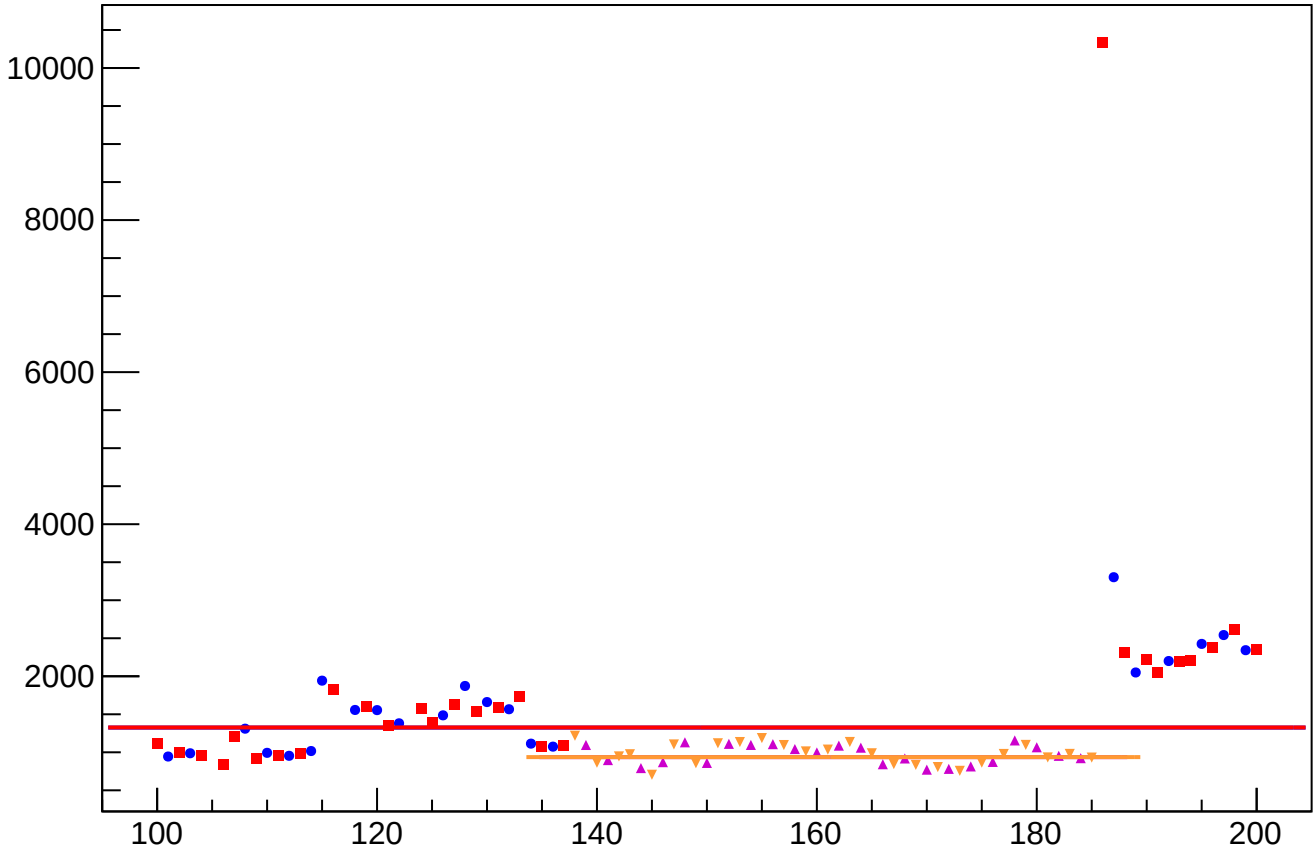
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -877.165+/-191.465 χ^2/NDF: 75.1/46

All: -633.910+/-135.736 χ^2/NDF: 131.4/97

- sign -388.121+/-192.459 χ^2/NDF: 53.1/50

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1324.795+/-0.294 χ^2/NDF: 2603573.0/21

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1326.663+/-0.275 χ^2/NDF: 3952907.3/27

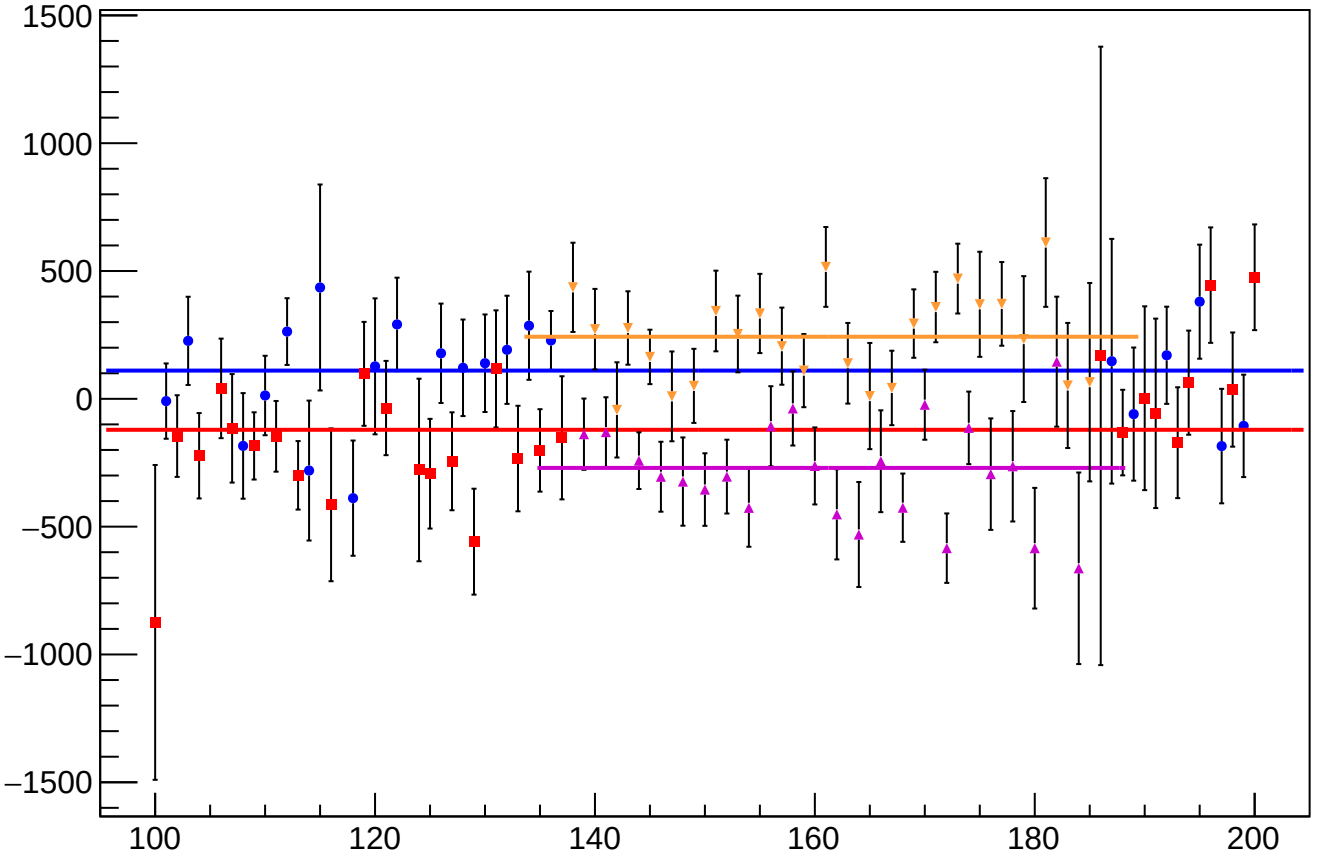
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1018.908+/-0.135 χ^2/NDF: 4807206.2/46

All: 1025.249+/-0.096 χ^2/NDF: 10924888.7/9

- sign 1031.655+/-0.136 χ^2/NDF: 6113273.0/50

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 110.471+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -121.158+/-37.931 χ^2/NDF: 30.5/27

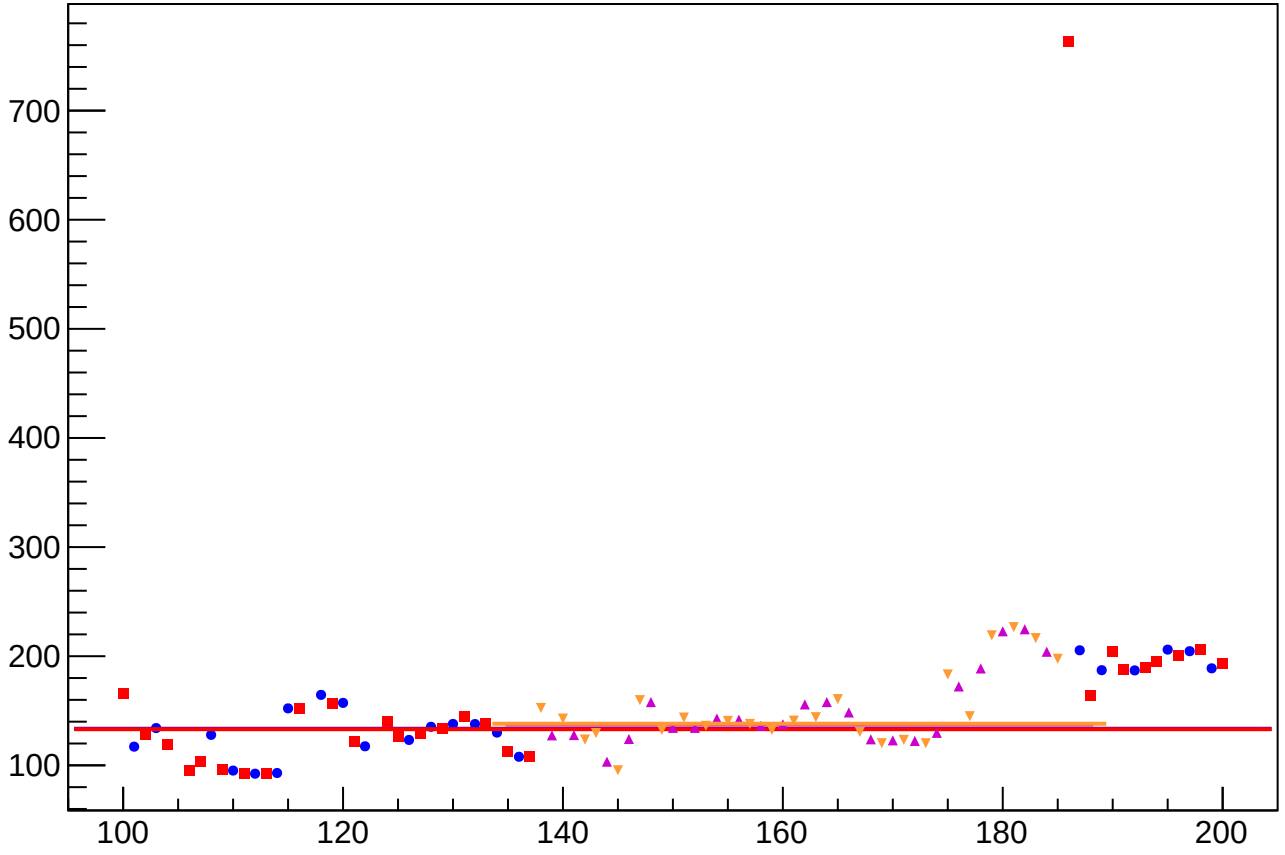
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 192.206+/-25.249 χ^2/NDF: 50.6/46

All: -10.195+/-17.711 χ^2/NDF: 243.1/97

- sign -206.252+/-24.851 χ^2/NDF: 66.0/50

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 133.497+/-0.029 χ^2/NDF: 1426560.3/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

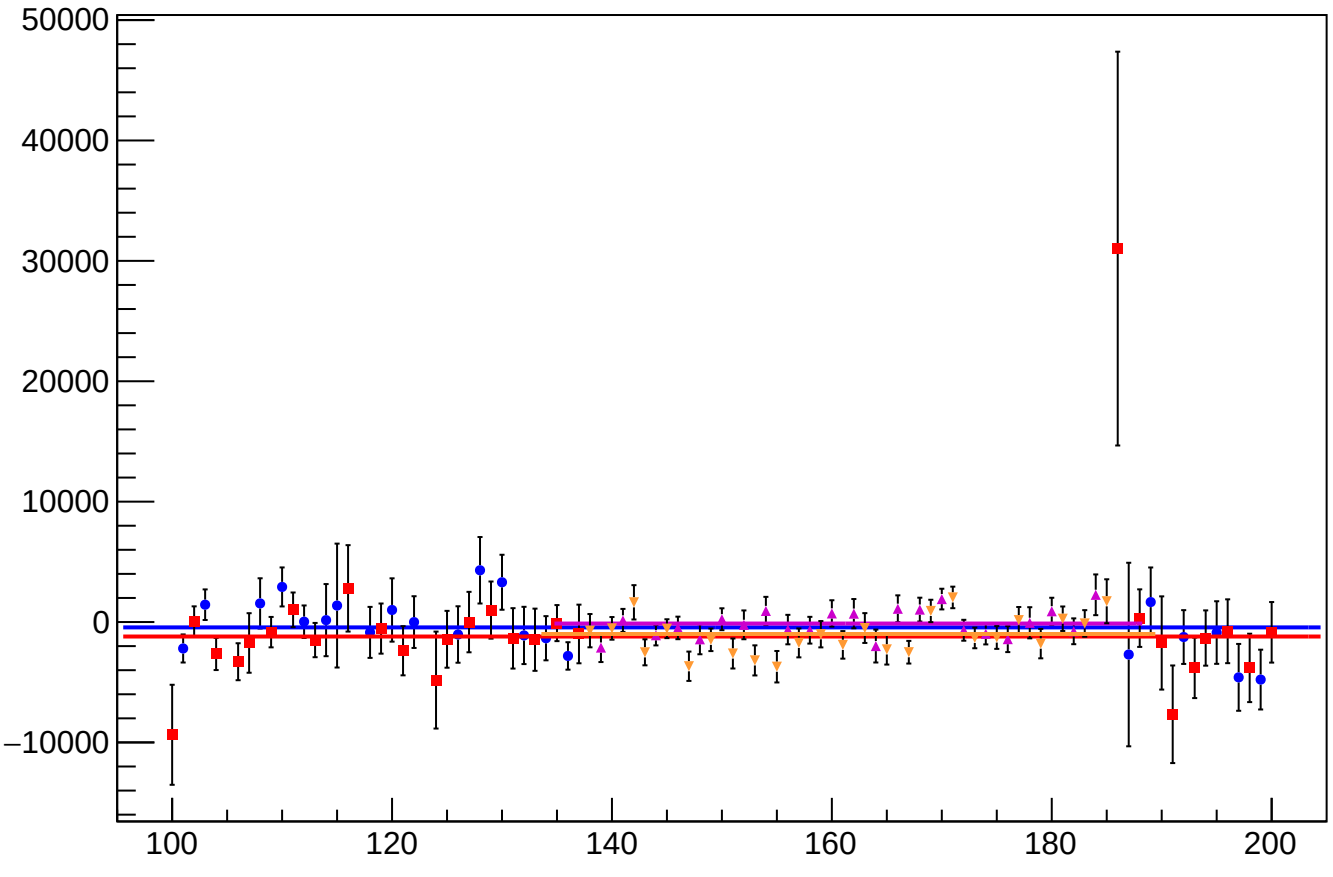
Right Out: 133.106+/-0.027 χ^2/NDF: 2368318.8/27

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 136.355+/-0.018 χ^2/NDF: 2780761.7/46

All: 135.976+/-0.013 χ^2/NDF: 6274547.6/97

- sign 135.609+/-0.018 χ^2/NDF: 3492898.7/50



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1203.287+/-389.529 χ^2/NDF: 23.5/27

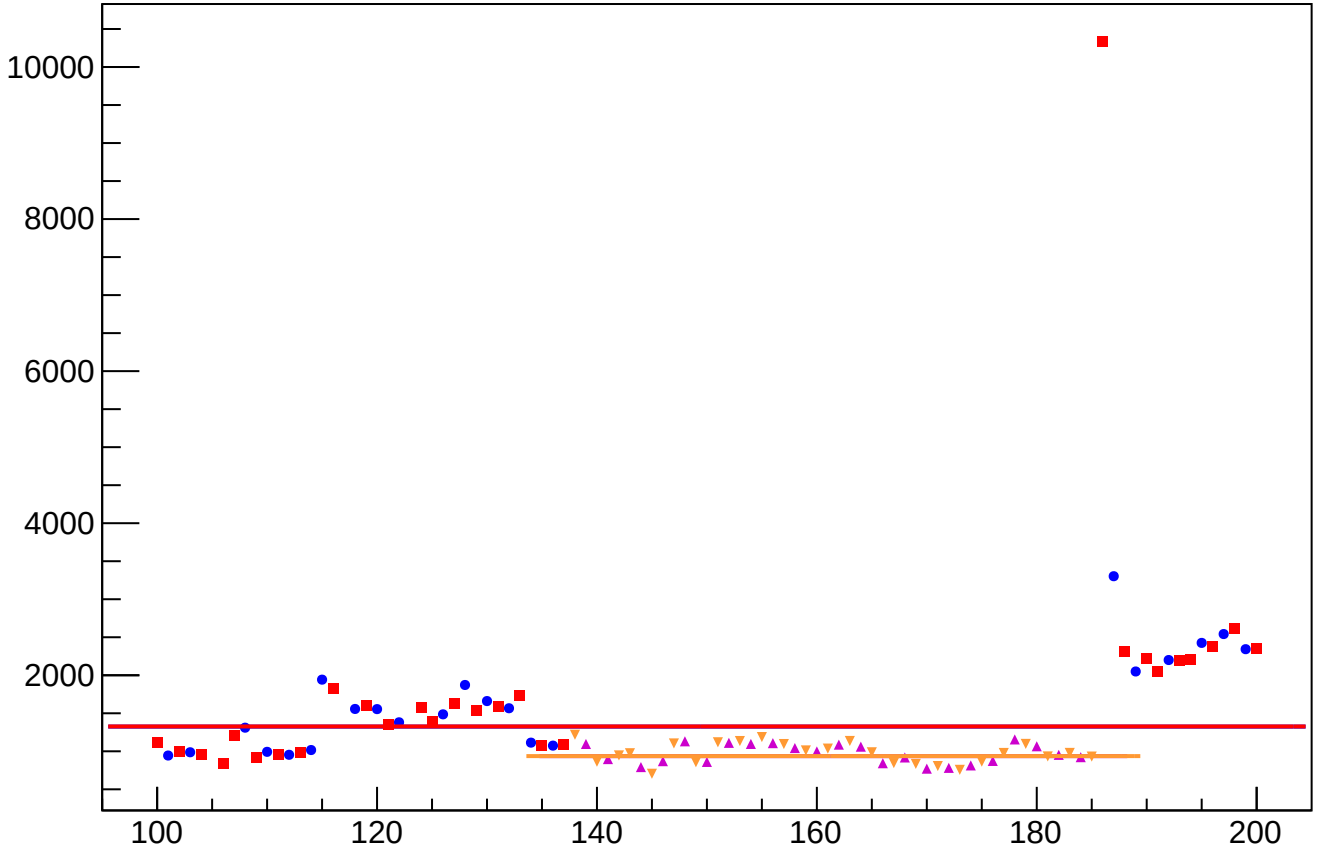
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -877.163+/-191.465 χ^2/NDF: 75.1/46

All: -633.908+/-135.736 χ^2/NDF: 131.4/97

- sign -388.120+/-192.459 χ^2/NDF: 53.1/50

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1324.794+/-0.294 χ^2/NDF: 2603570.3/21

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

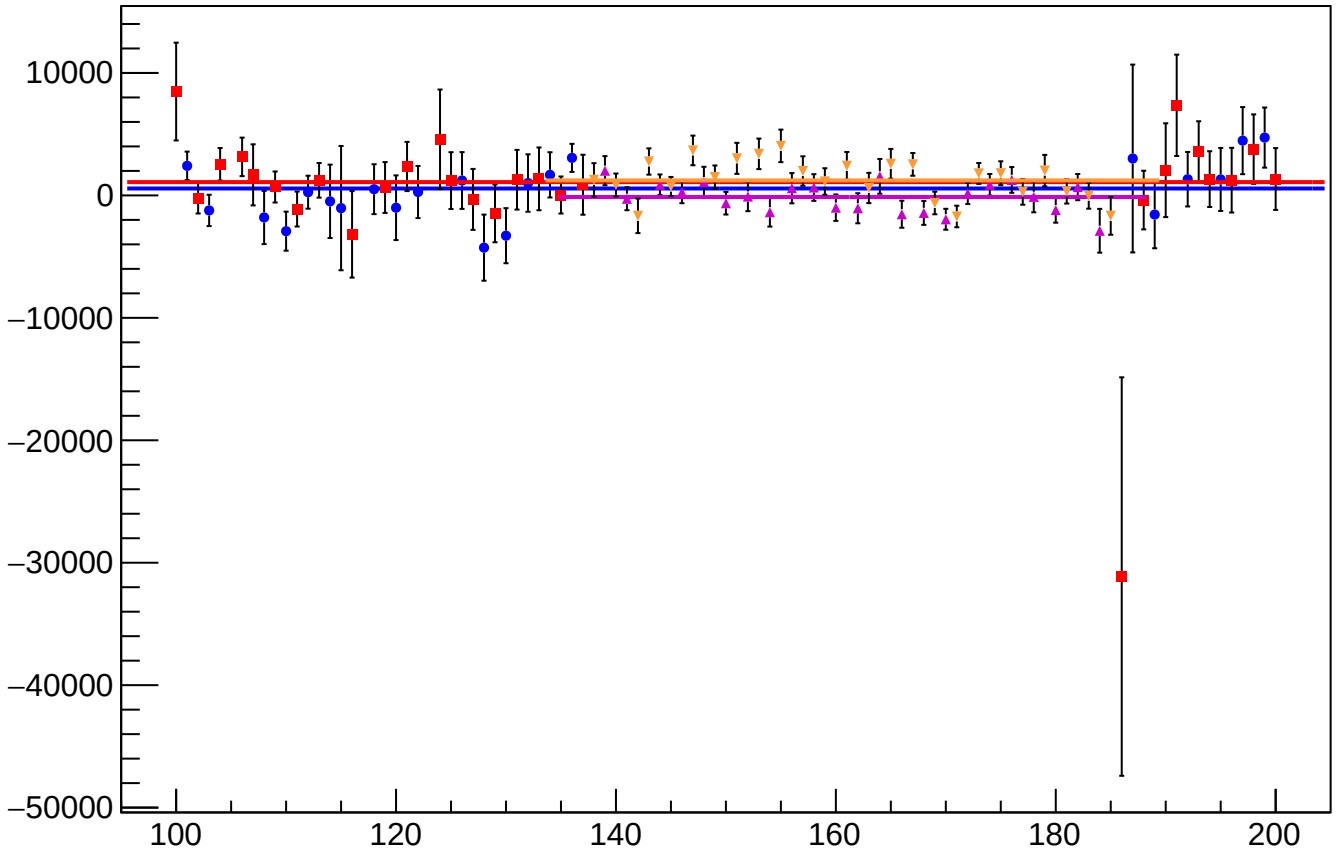
Right Out: 1326.662+/-0.275 χ^2/NDF: 3952900.8/27

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1018.907+/-0.135 χ^2/NDF: 4807214.0/46

All: 1025.248+/-0.096 χ^2/NDF: 10924894.7/9

- sign 1031.654+/-0.136 χ^2/NDF: 6113271.1/50



Right In: 563.794+/-414.494 χ^2/NDF: 28.3/21

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1087.752+/-389.015 χ^2/NDF: 23.2/27

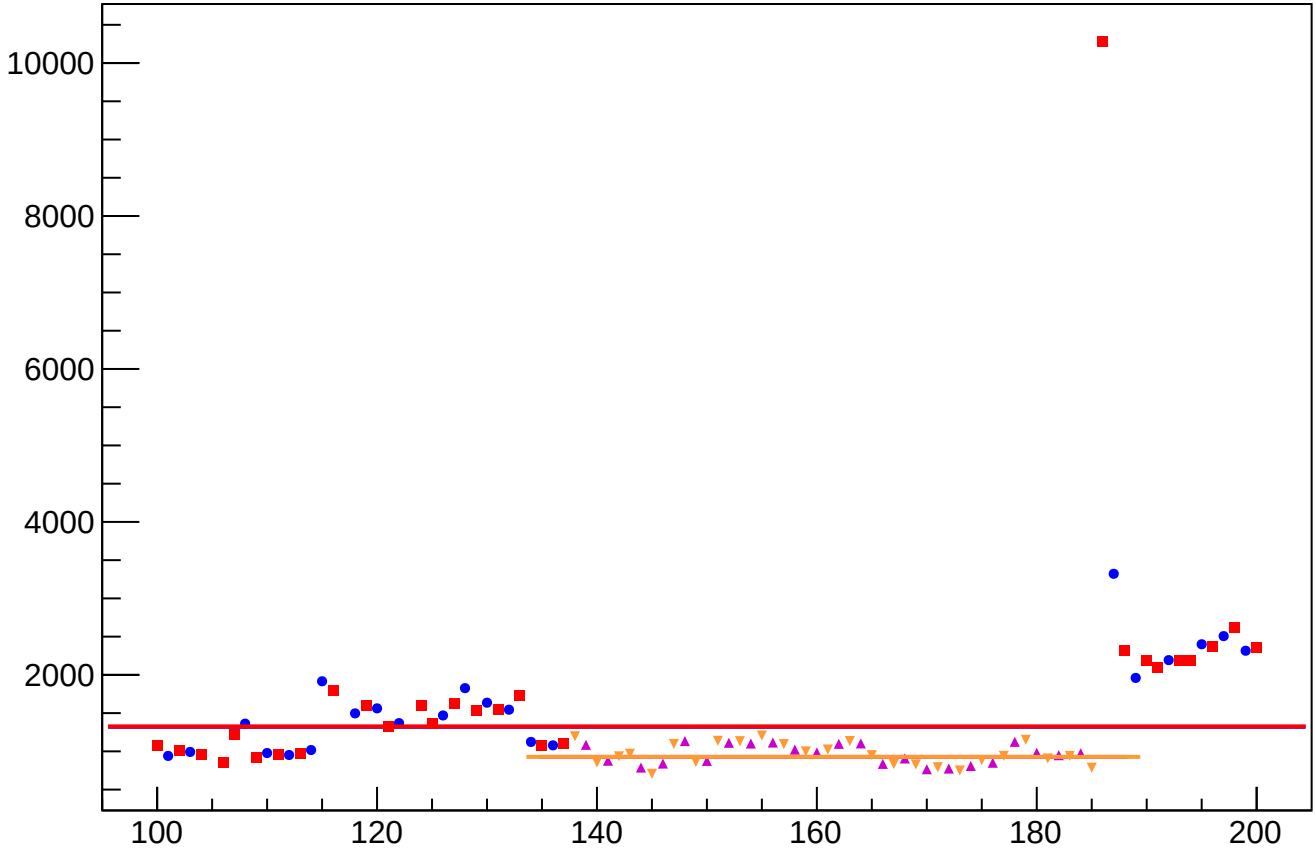
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1086.416+/-190.042 χ^2/NDF: 78.8/46

All: 626.321+/-134.725 χ^2/NDF: 147.1/97

- sign 161.472+/-191.021 χ^2/NDF: 56.6/50

asym_sam_48_dd_rms vs Slug



Right In: 1321.458+/-0.293 χ^2/NDF: 2523922.8/21

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1324.877+/-0.275 χ^2/NDF: 3913406.4/27

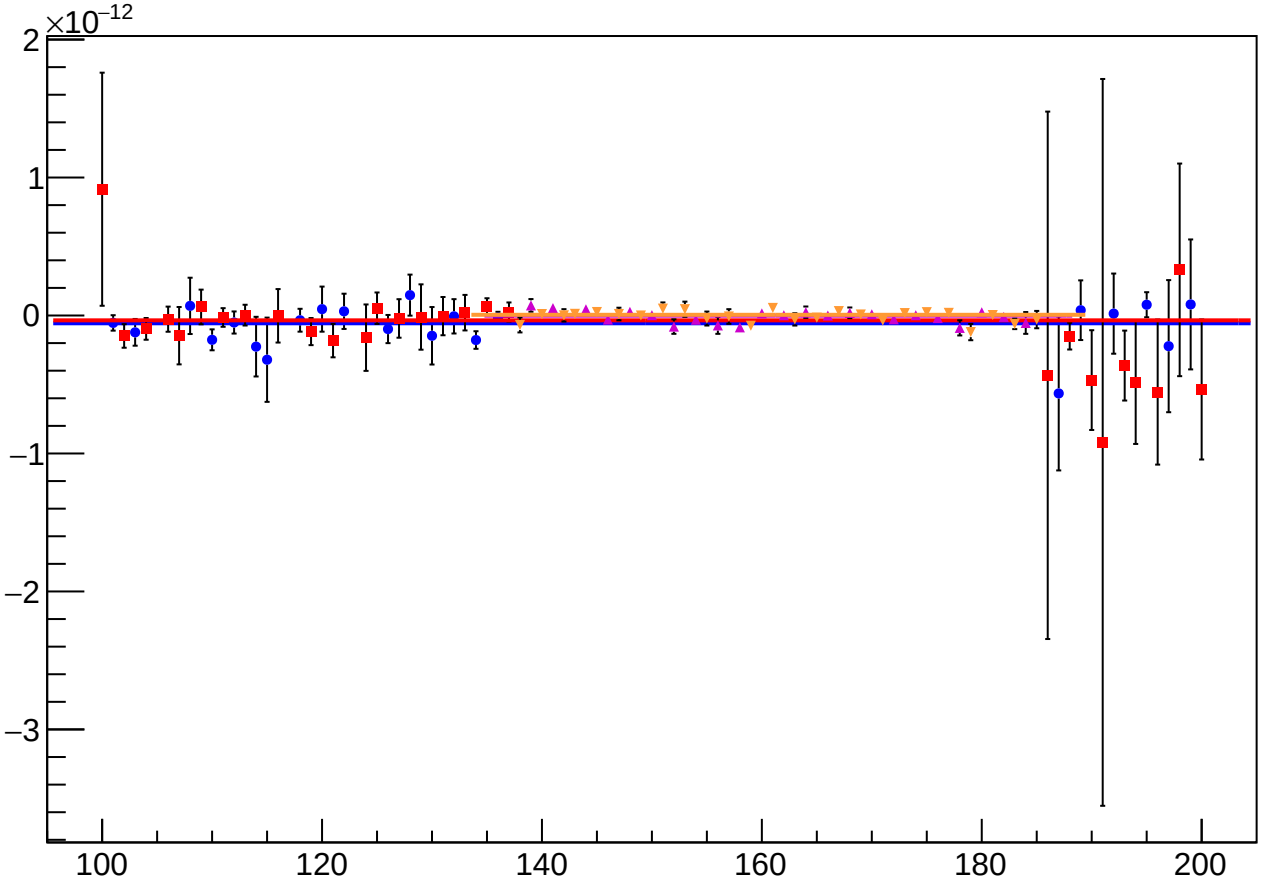
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1010.402+/-0.134 χ^2/NDF: 4825187.5/46

All: 1016.758+/-0.095 χ^2/NDF: 10984769.0/9

- sign 1023.179+/-0.135 χ^2/NDF: 6155084.8/50

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

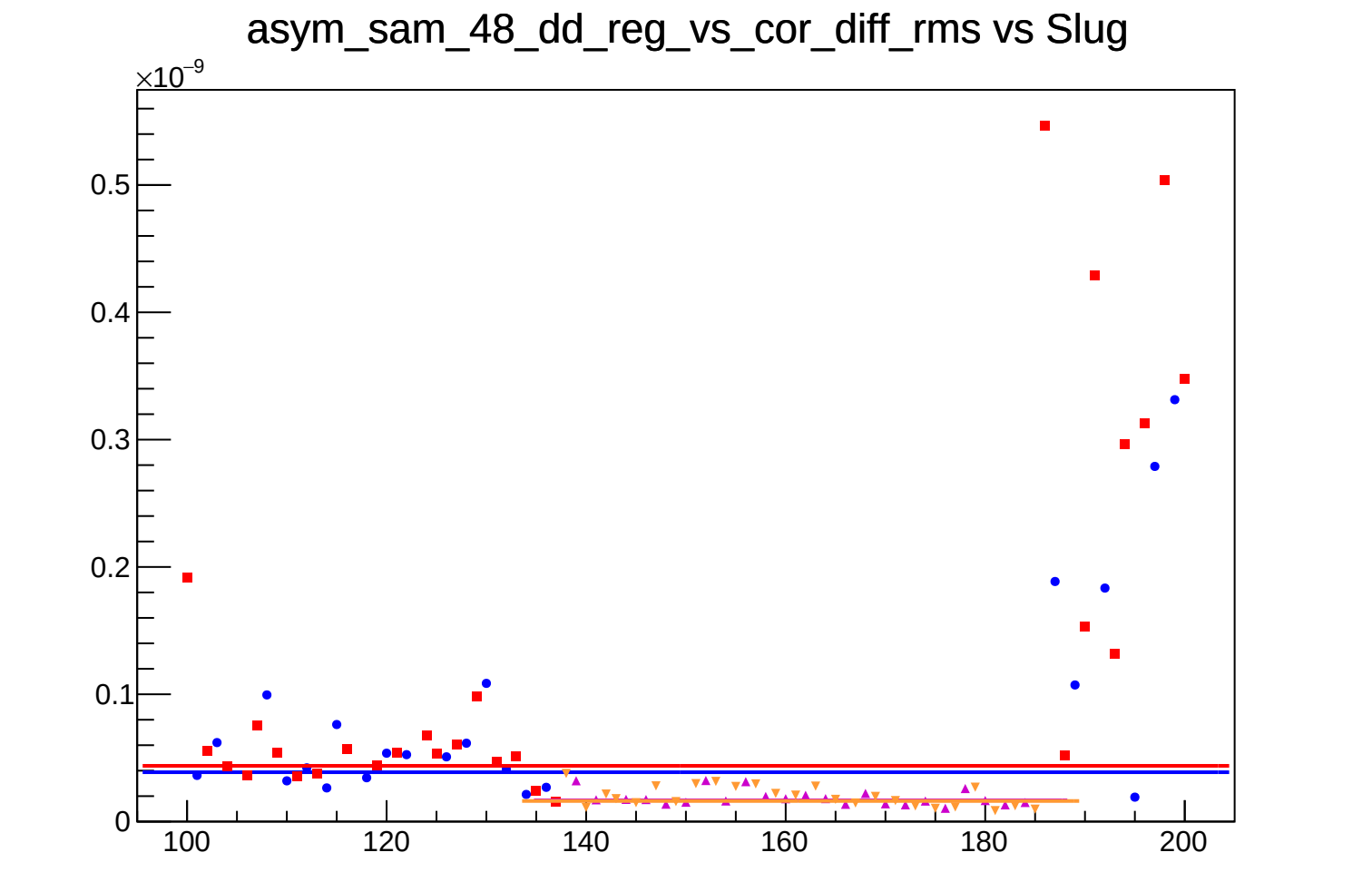
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/27

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/46

All: -0.000+/-0.000 χ^2/NDF: 99.0/97

- sign -0.000+/-0.000 χ^2/NDF: 49.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 3217355.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4176385.6/27

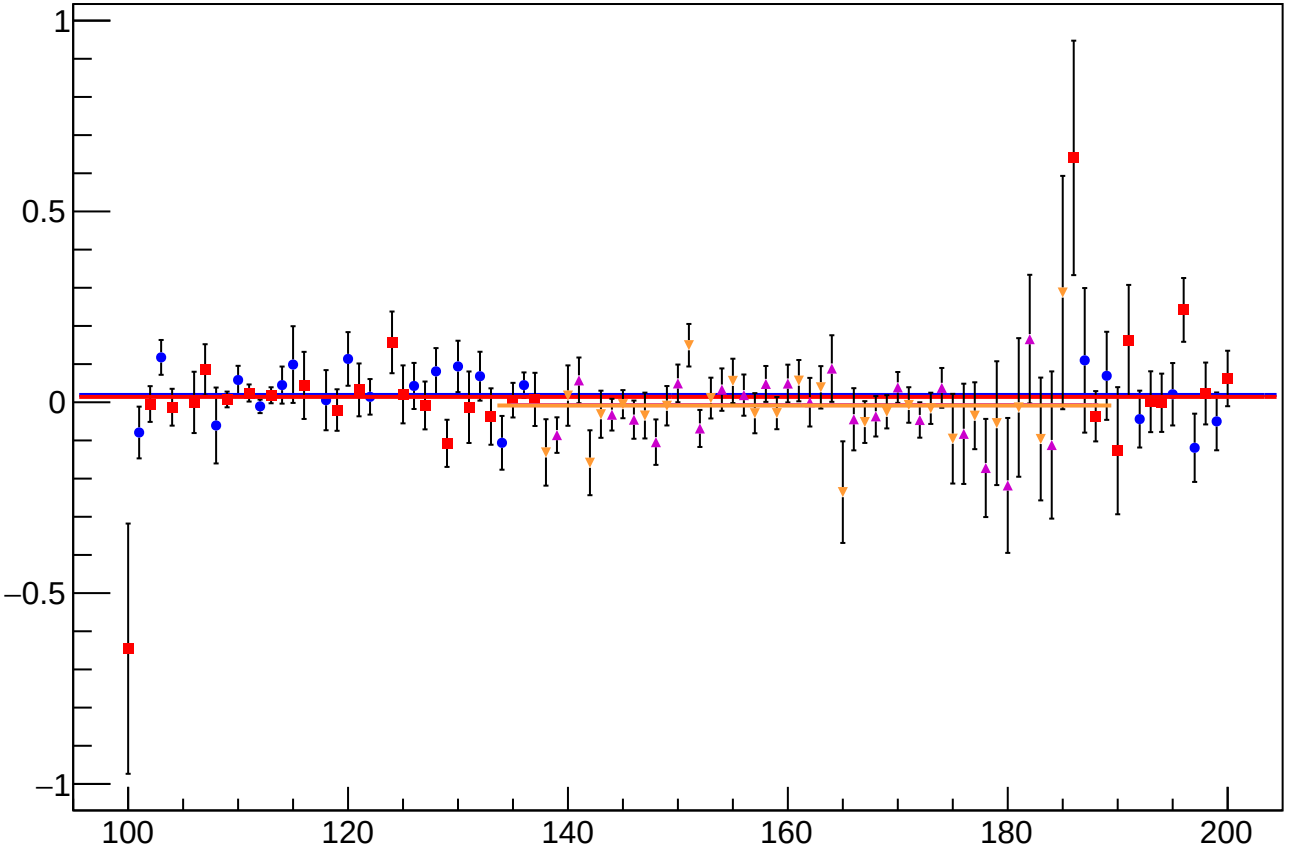
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7340764.4/46

All: 0.000+/-0.000 χ^2/NDF: 15179930.6/97

- sign 0.000+/-0.000 χ^2/NDF: 7820180.3/50

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

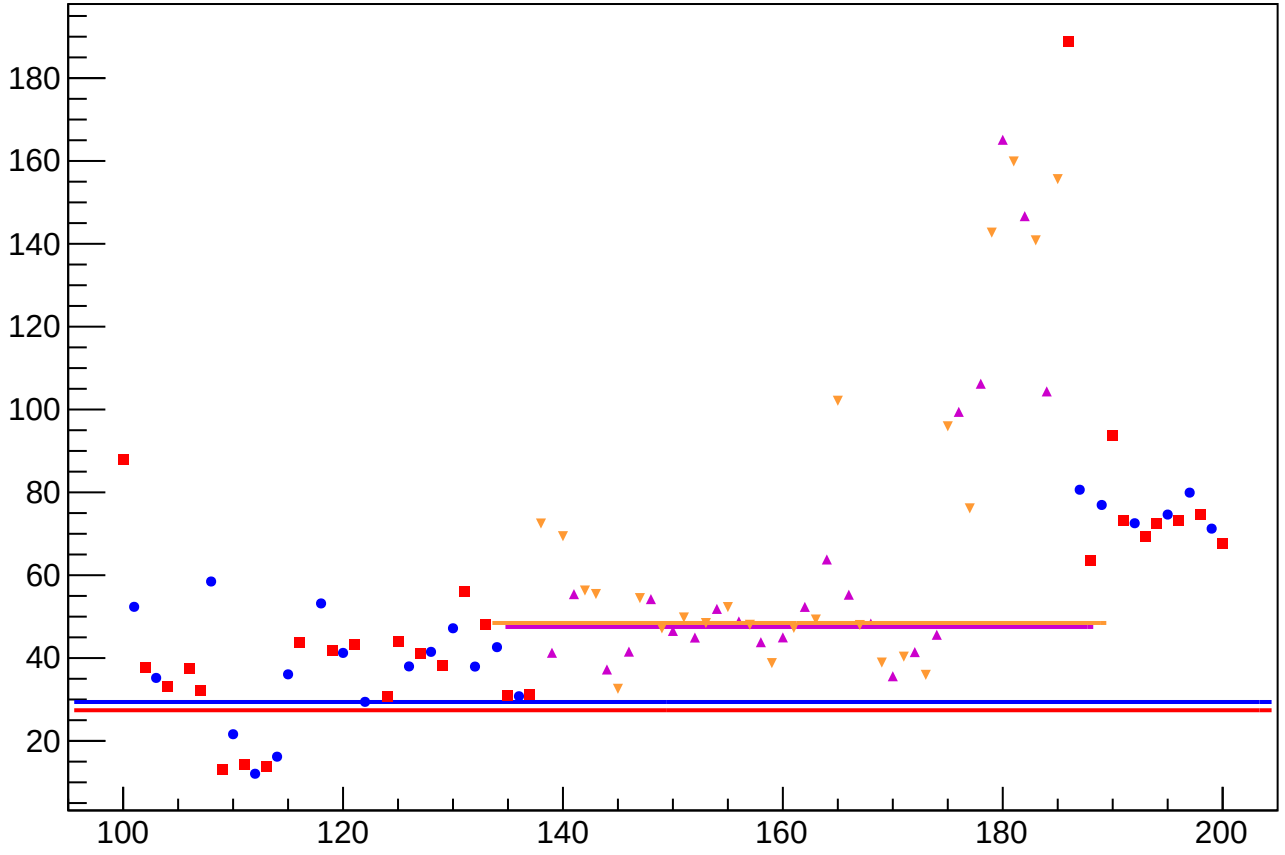
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.007+/-0.005 χ^2/NDF: 105.4/97

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

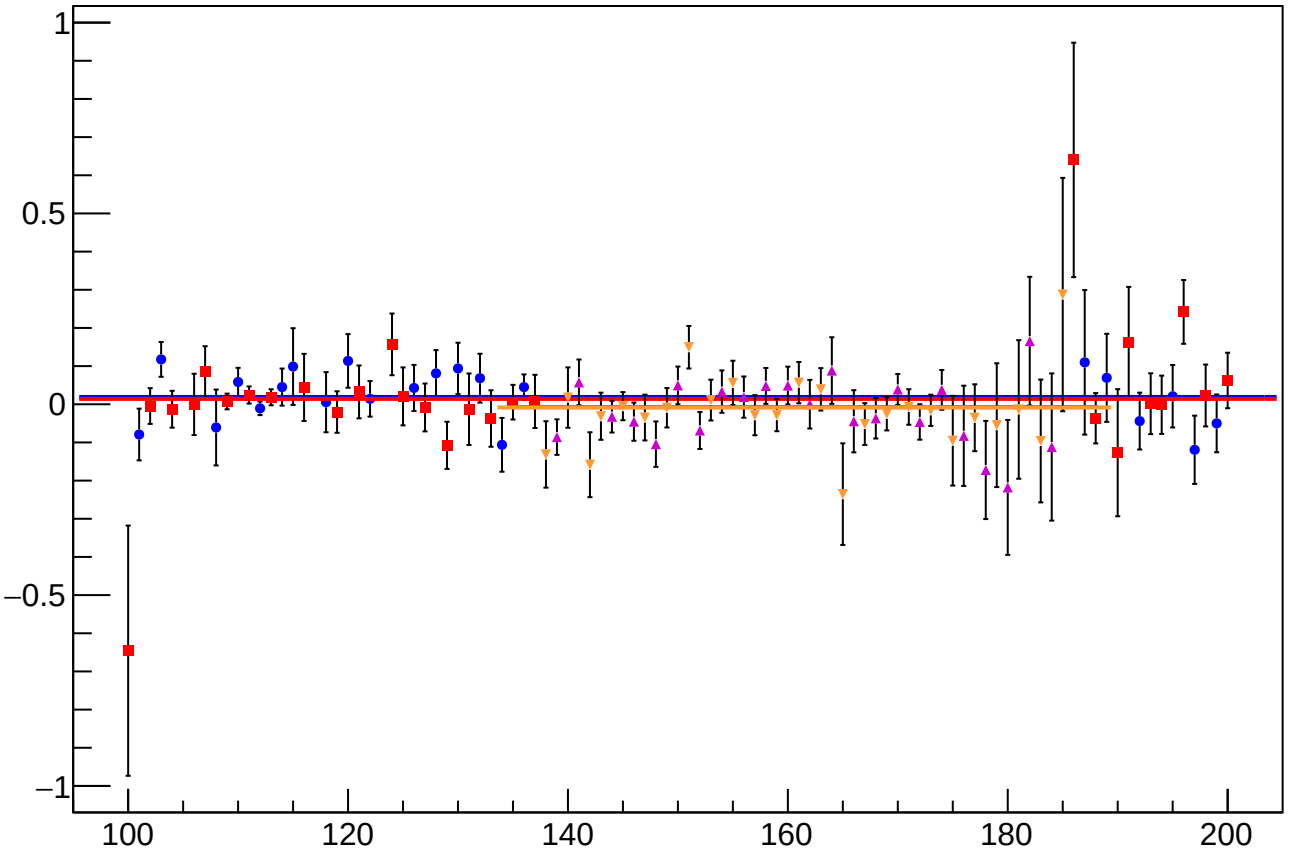
Right Out: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.754+/-0.006 χ^2/NDF: 13423347.0/46

All: 36.233+/-0.004 χ^2/NDF: 28565567.2/97

- sign 34.927+/-0.005 χ^2/NDF: 15006026.2/50



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

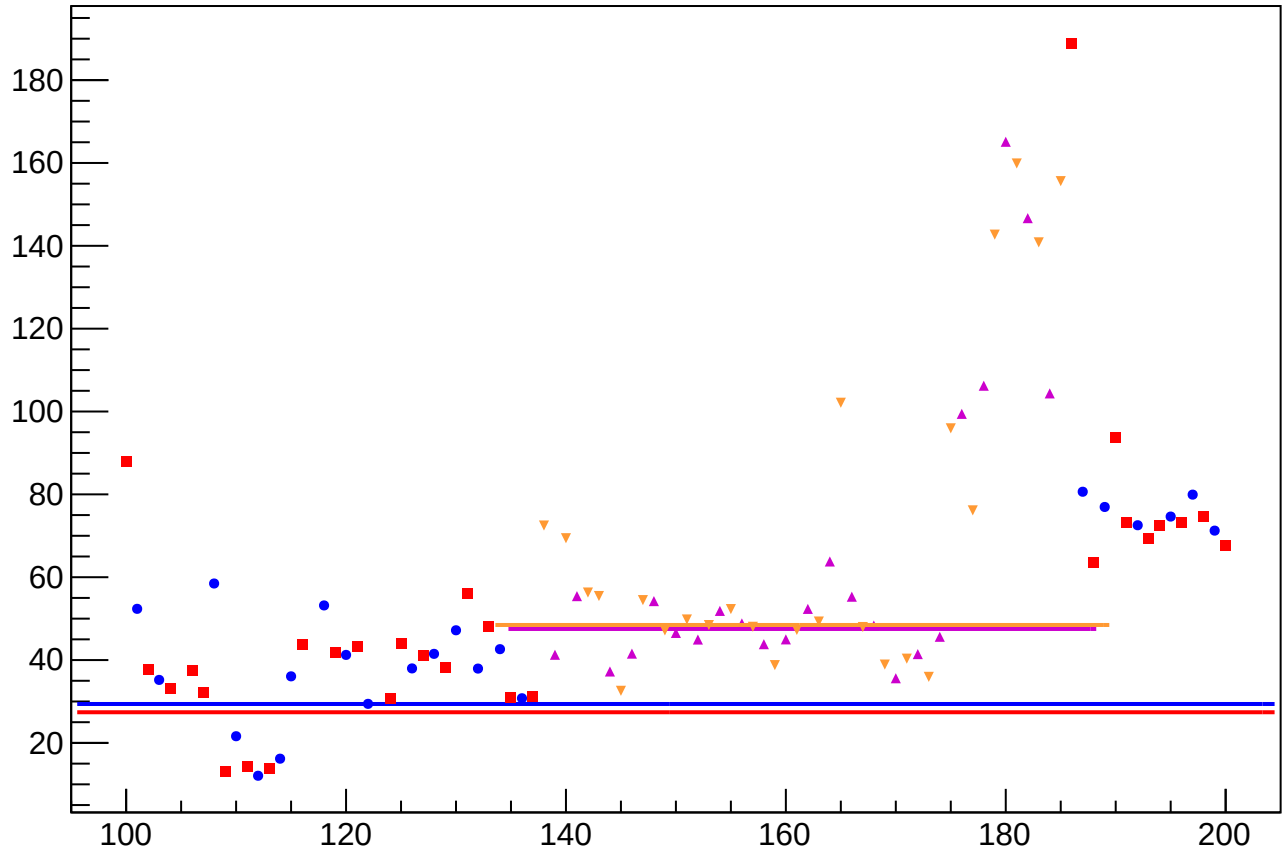
Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.007+/-0.005 χ^2/NDF: 105.4/97

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

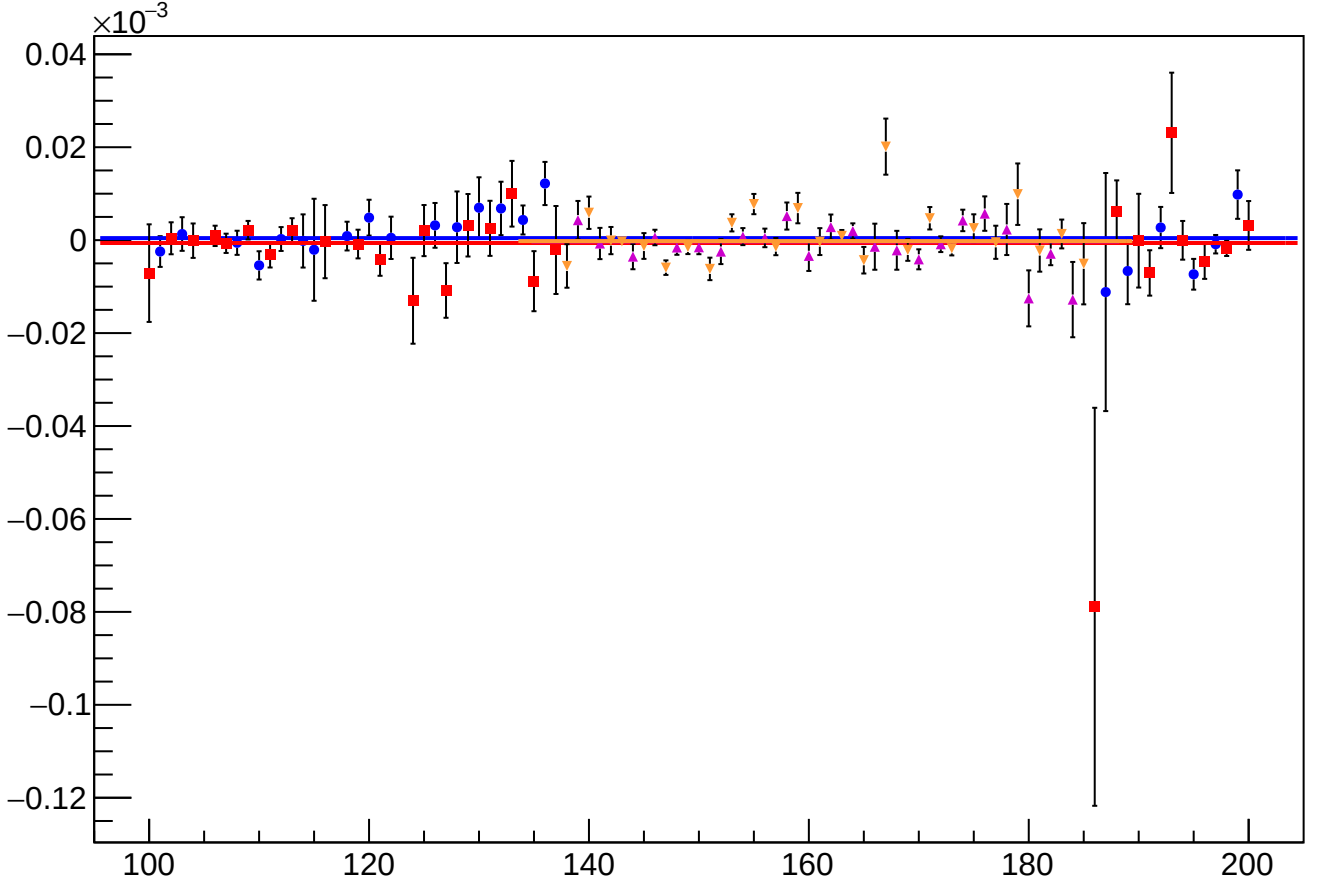
Right Out: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.754+/-0.006 χ^2/NDF: 13423347.0/46

All: 36.233+/-0.004 χ^2/NDF: 28565567.2/97

- sign 34.927+/-0.005 χ^2/NDF: 15006026.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

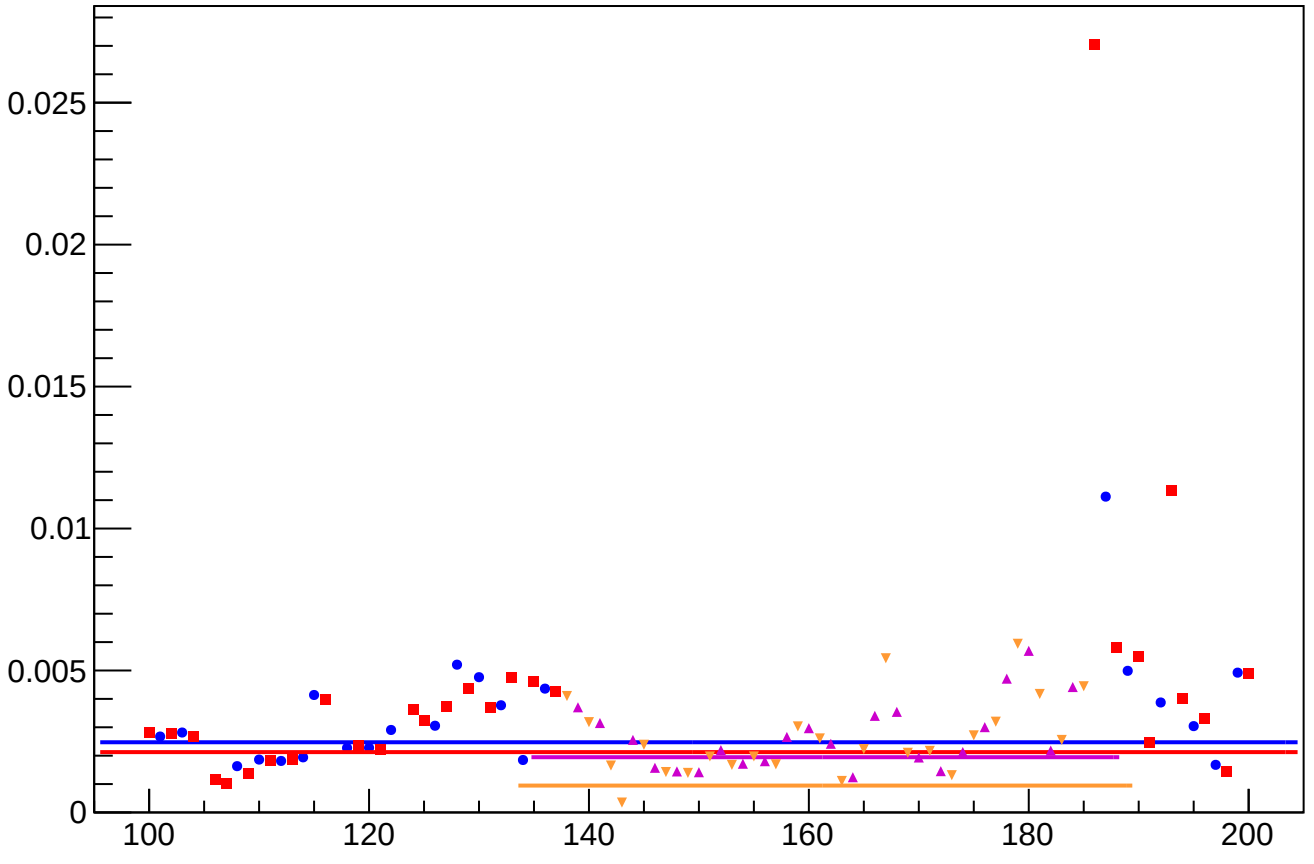
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/27

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.6/46

All: -0.000+/-0.000 χ^2/NDF: 158.0/97

- sign -0.000+/-0.000 χ^2/NDF: 58.1/50



Right In: 0.002+/-0.000 χ^2/NDF: 3078630.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

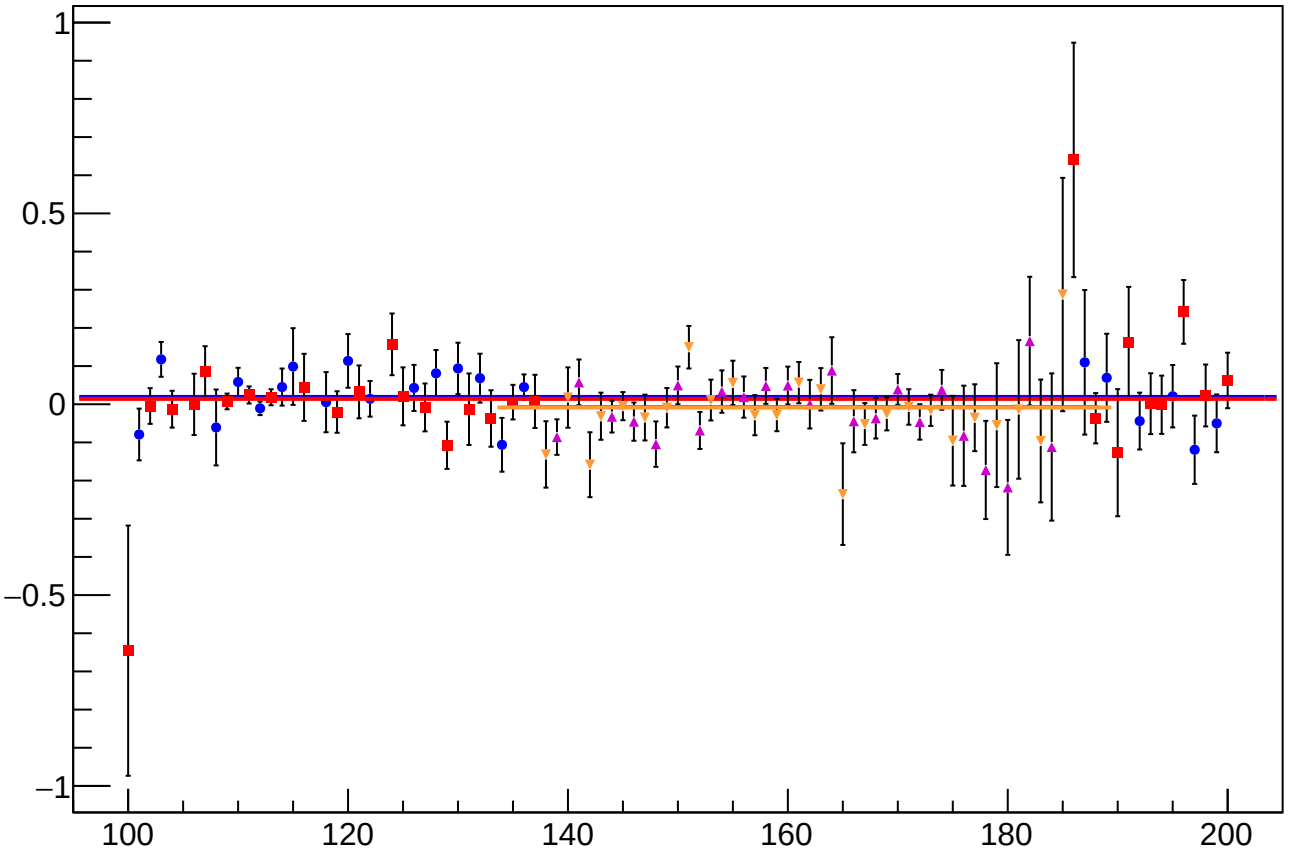
Right Out: 0.002+/-0.000 χ^2/NDF: 6912990.3/27

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 27015020.6/46

All: 0.001+/-0.000 χ^2/NDF: 44704107.8/97

- sign 0.002+/-0.000 χ^2/NDF: 11365652.4/50



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

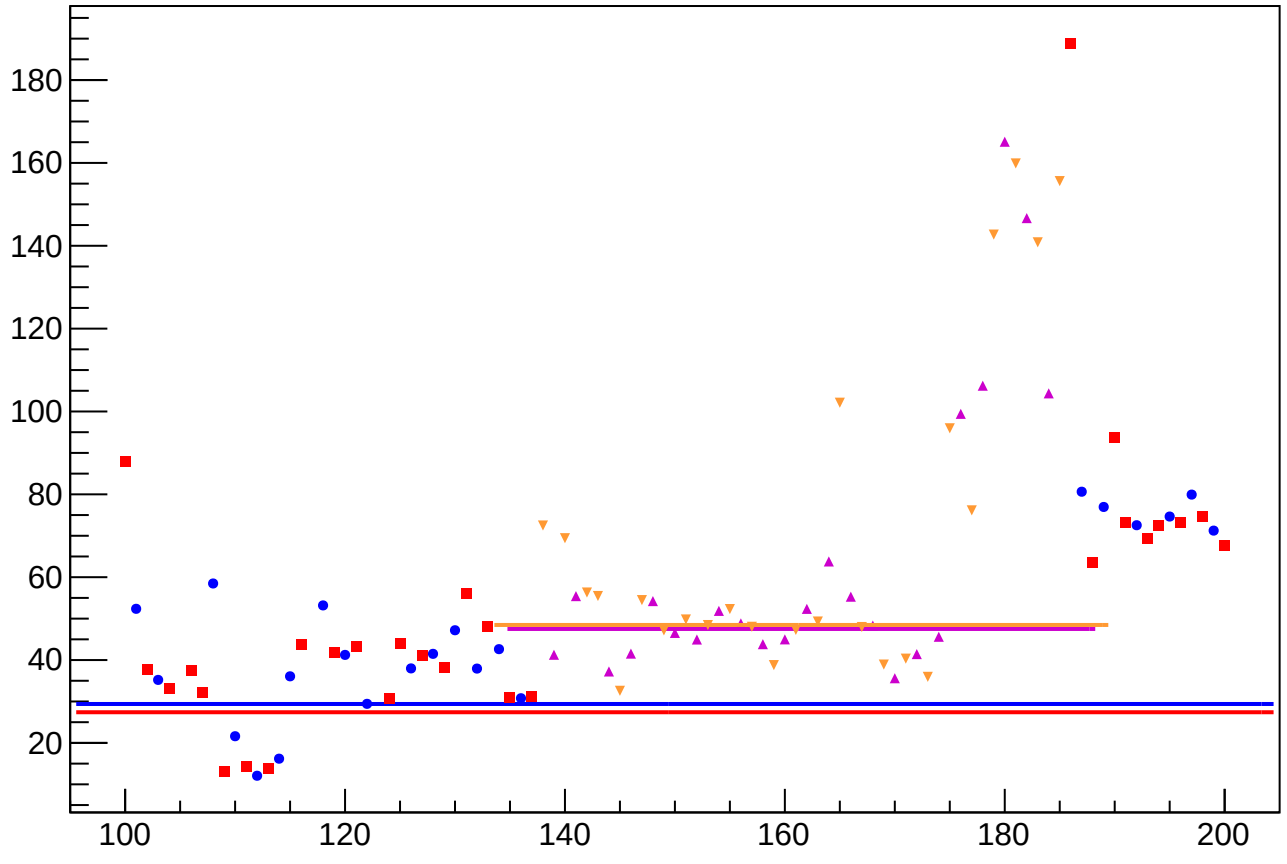
Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.007+/-0.005 χ^2/NDF: 105.4/97

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

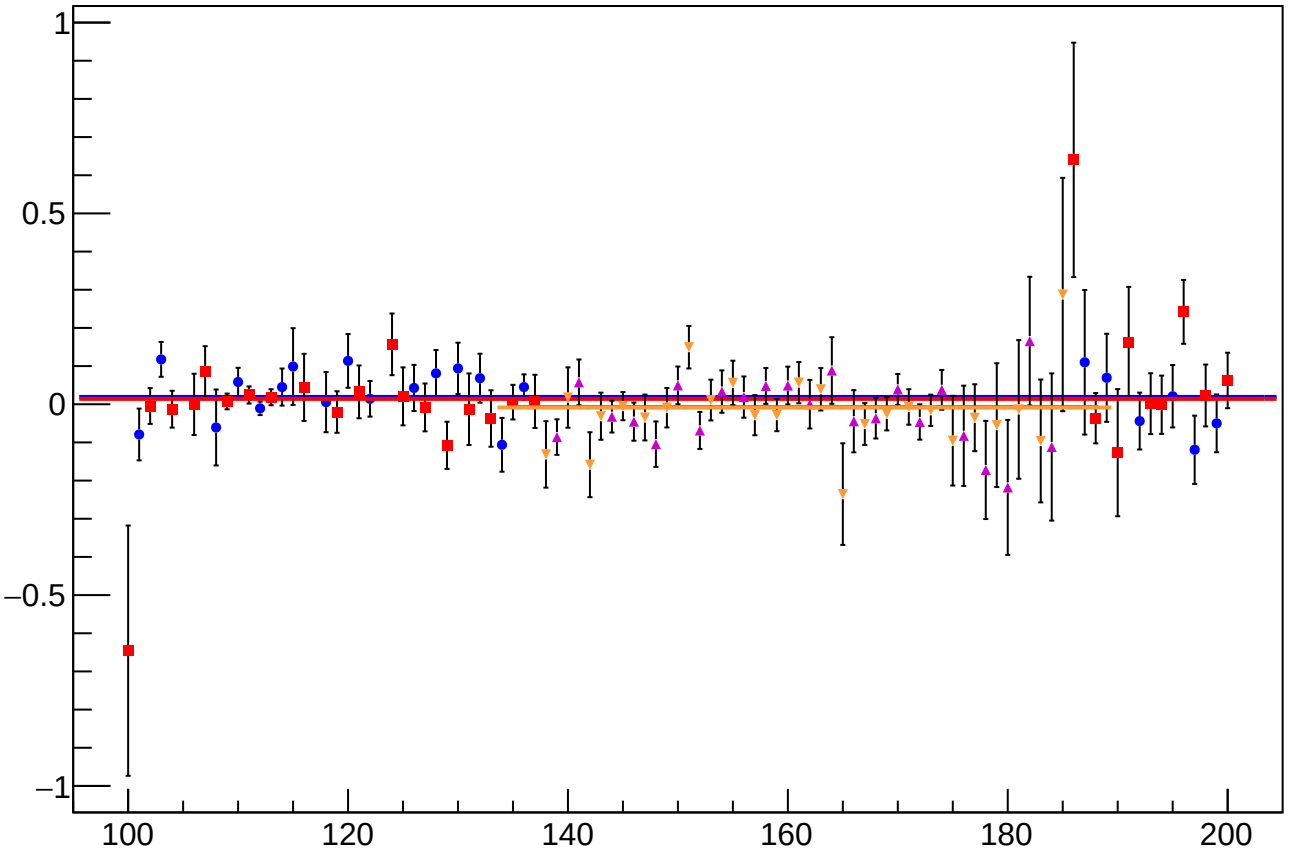
Right Out: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.753+/-0.006 χ^2/NDF: 13424448.0/46

All: 36.232+/-0.004 χ^2/NDF: 28566974.6/97

- sign 34.927+/-0.005 χ^2/NDF: 15006404.1/50



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

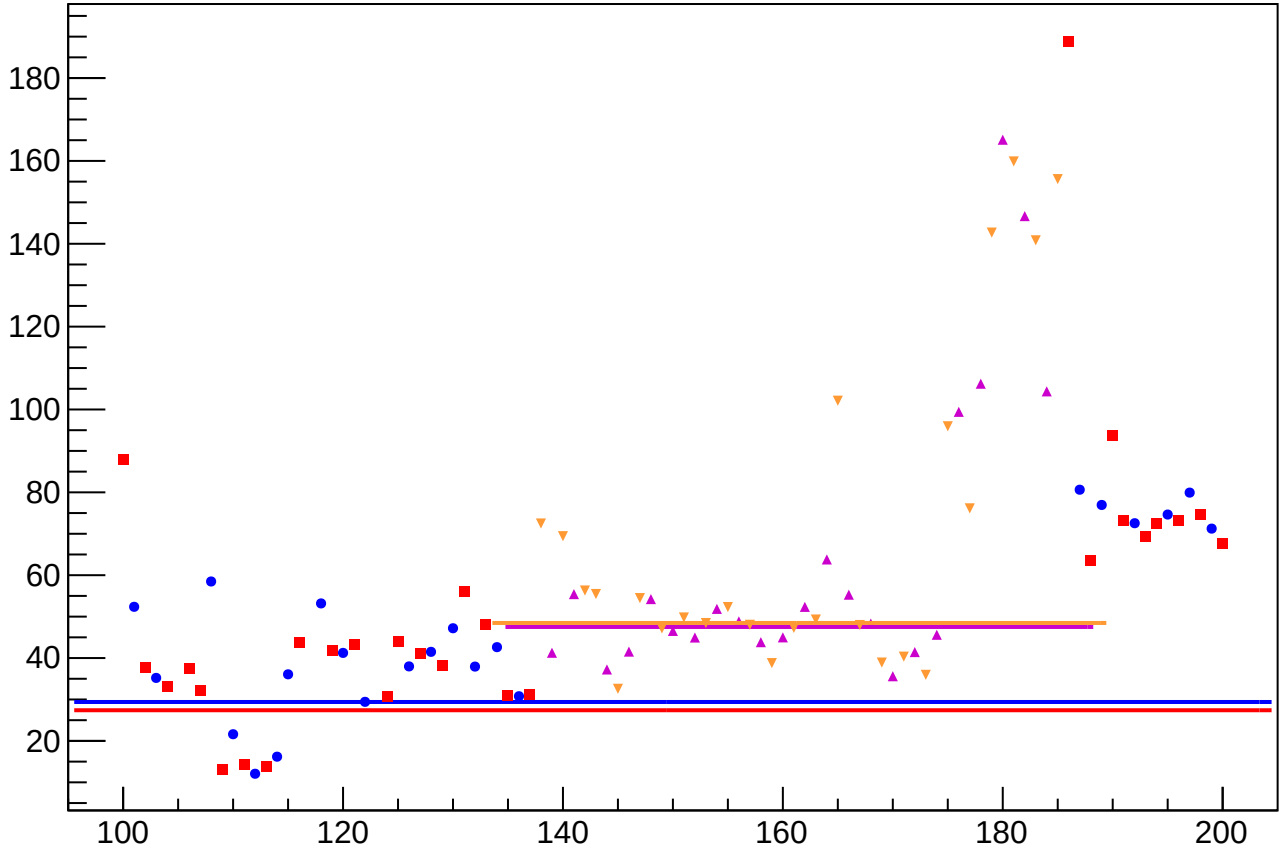
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.007+/-0.005 χ^2/NDF: 105.4/97

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

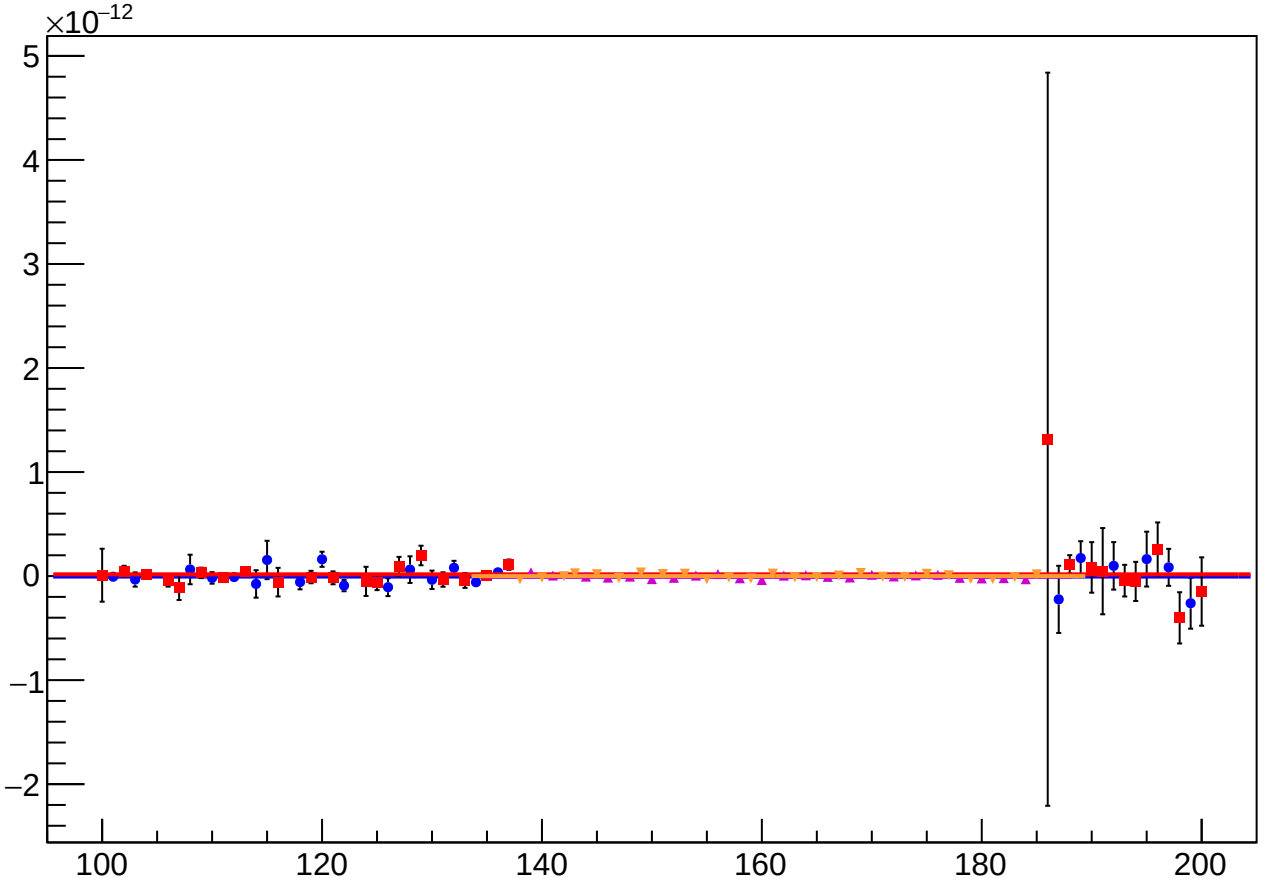
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.753+/-0.006 χ^2/NDF: 13424448.0/46

All: 36.232+/-0.004 χ^2/NDF: 28566974.6/97

- sign 34.927+/-0.005 χ^2/NDF: 15006404.1/50

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

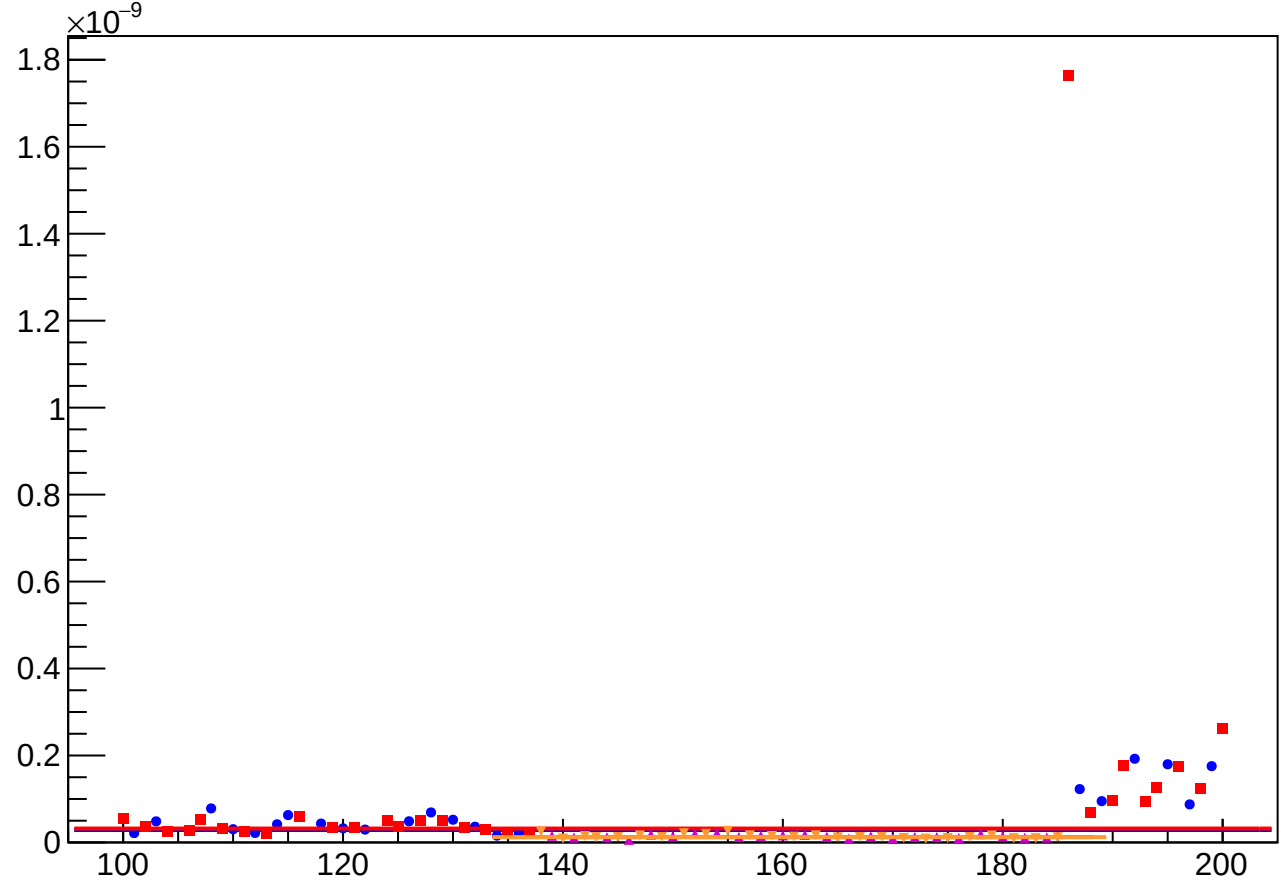
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/27

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

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/97

- sign -0.000+/-0.000 χ^2/NDF: 42.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 4882191.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4945714.9/27

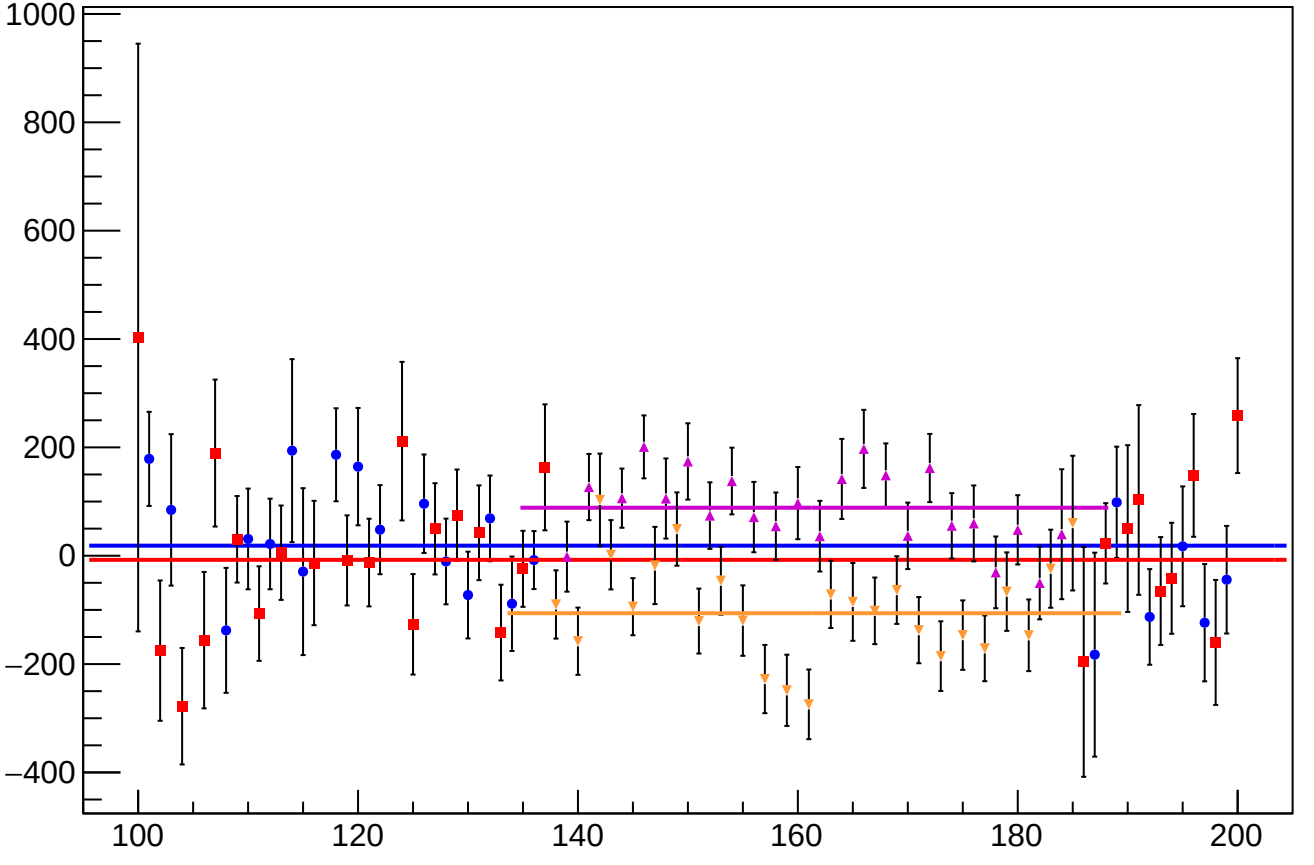
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9947334.0/46

All: 0.000+/-0.000 χ^2/NDF: 21113264.1/97

- sign 0.000+/-0.000 χ^2/NDF: 11162902.7/50

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 18.564+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

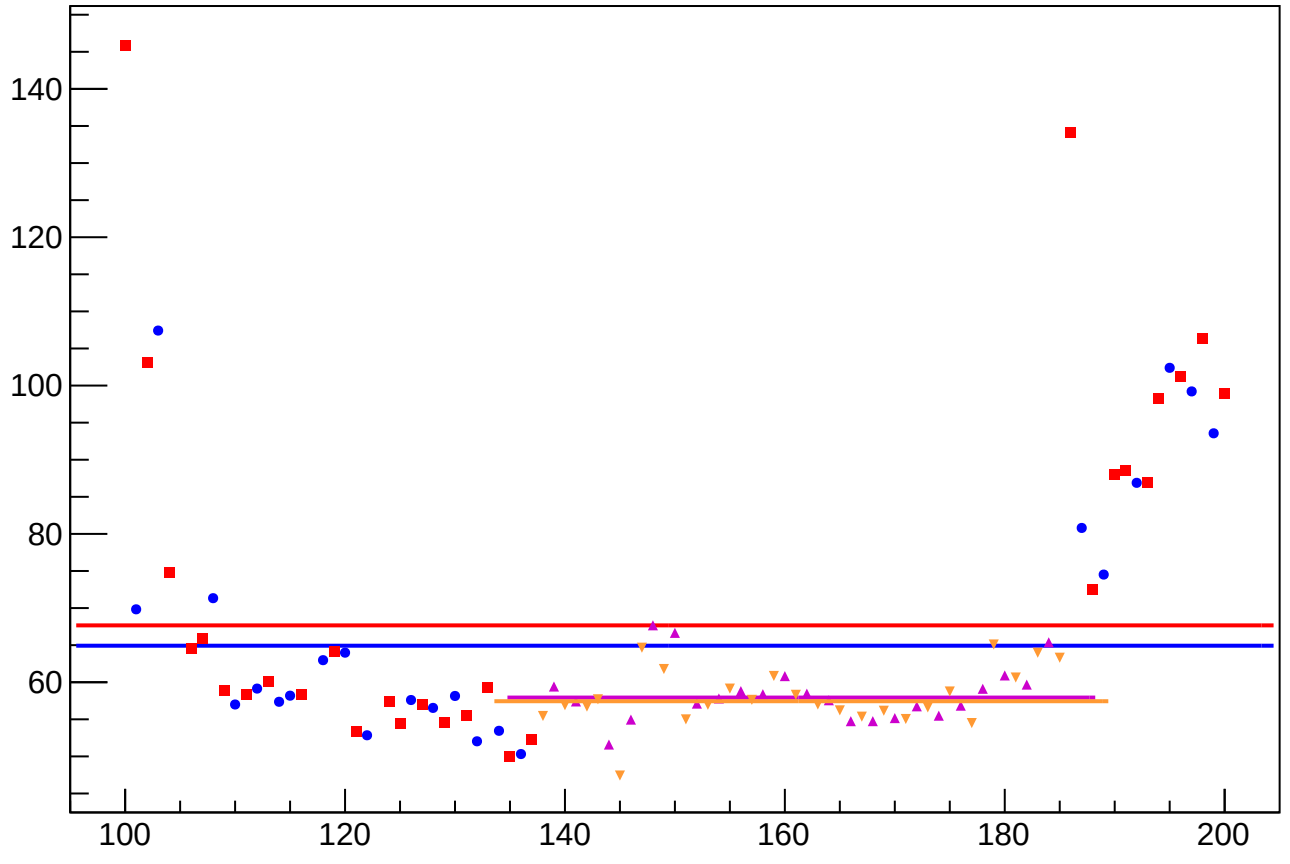
Right Out: -7.569+/-19.043 χ^2/NDF: 35.6/27

Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -6.697+/-7.764 χ^2/NDF: 231.7/97

\- sign 56.237+/-11.049 χ^2/NDF: 76.5/50



Right In: 64.925+/-0.014 χ^2/NDF: 1312214.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

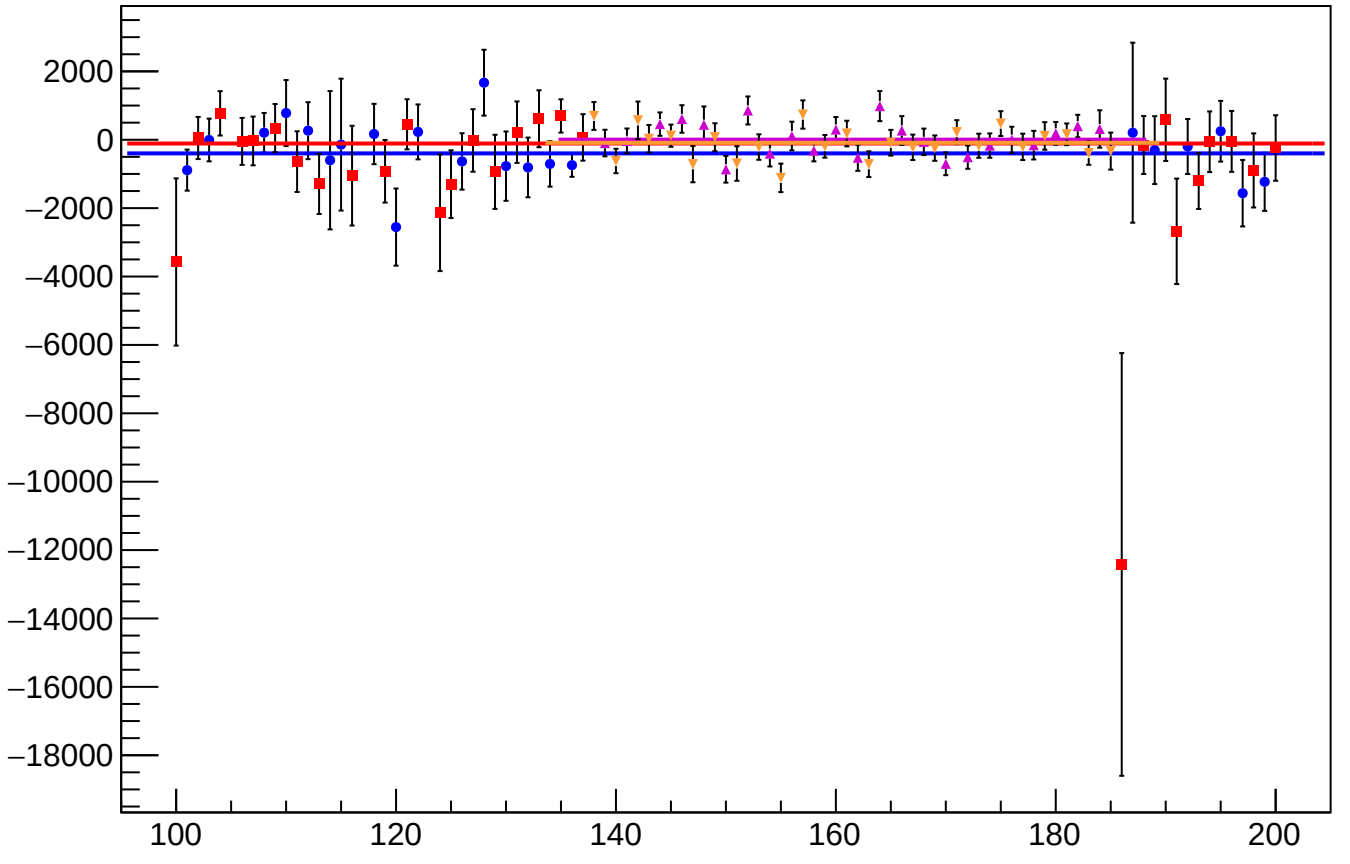
Right Out: 67.667+/-0.013 χ^2/NDF: 1788588.7/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.723+/-0.008 χ^2/NDF: 1686216.1/46

All: 60.457+/-0.005 χ^2/NDF: 3975672.9/97

- sign 61.210+/-0.008 χ^2/NDF: 2271122.9/50



Right In: -398.741+/-164.236 χ^2/NDF: 18.3/21

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -109.723+/-161.526 χ^2/NDF: 24.9/27

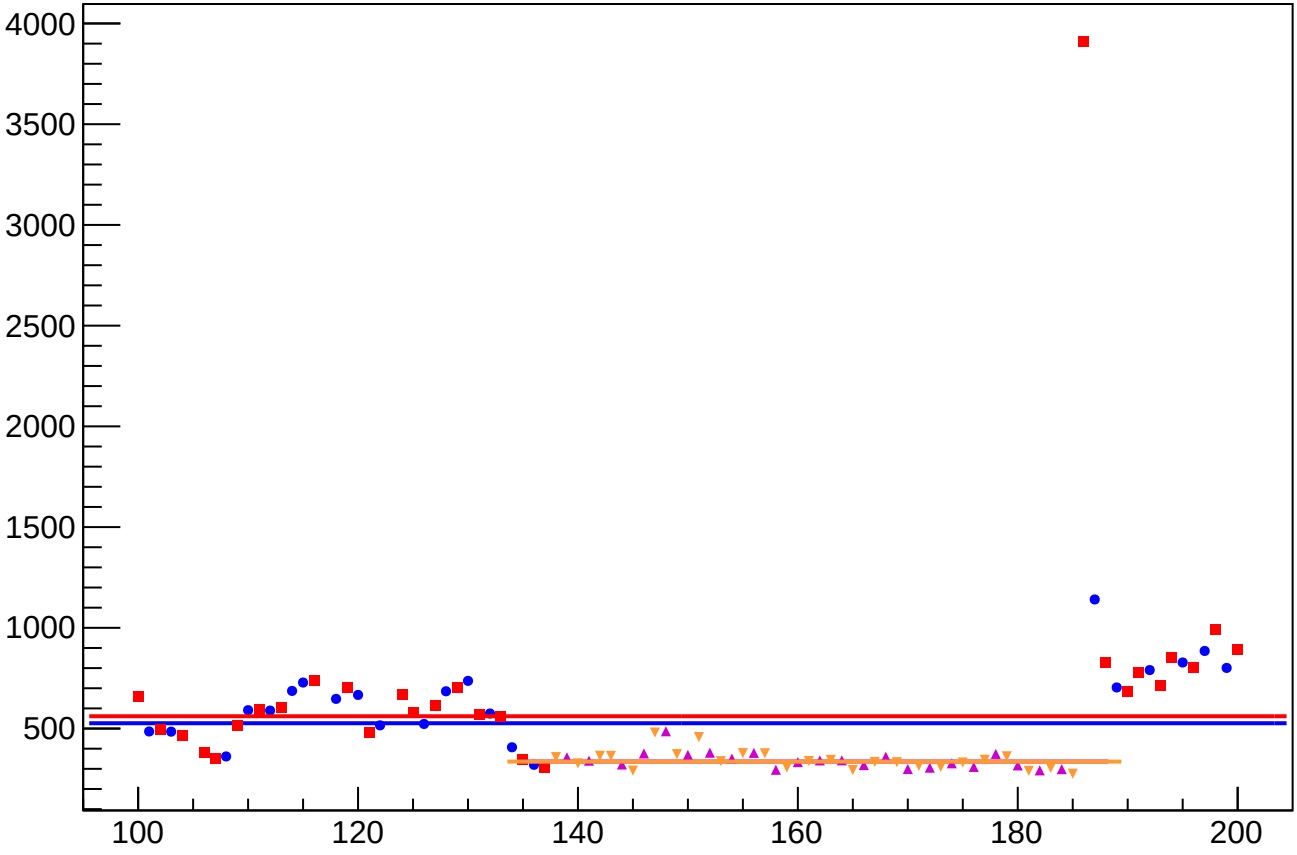
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -144.876+/-69.726 χ^2/NDF: 51.1/46

All: -83.078+/-49.785 χ^2/NDF: 111.6/97

- sign -18.808+/-71.107 χ^2/NDF: 58.8/50

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 526.387+/-0.116 χ^2/NDF: 2345931.5/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 561.017+/-0.114 χ^2/NDF: 3052459.4/27

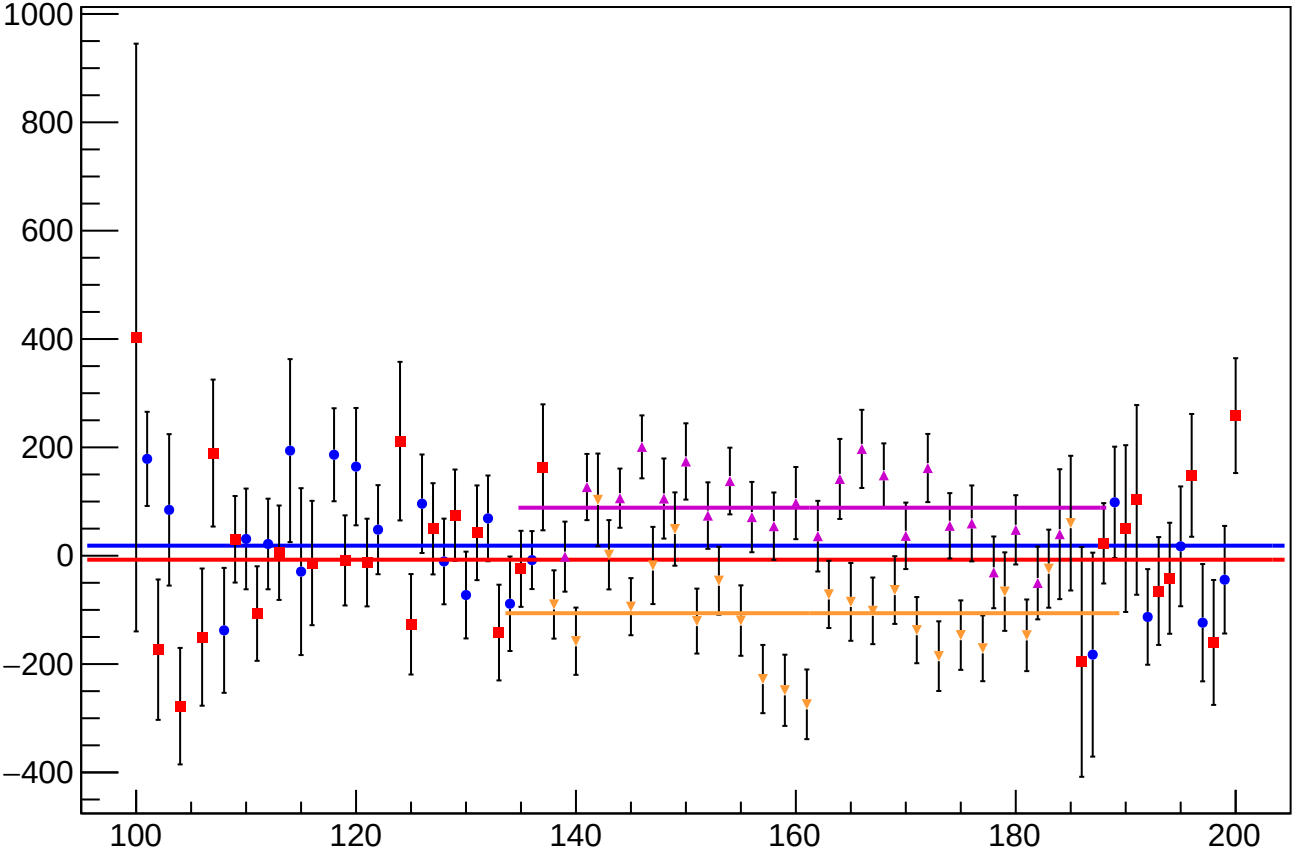
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085402.1/46

All: 374.961+/-0.035 χ^2/NDF: 11690448.2/97

- sign 379.883+/-0.050 χ^2/NDF: 6586250.6/50

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

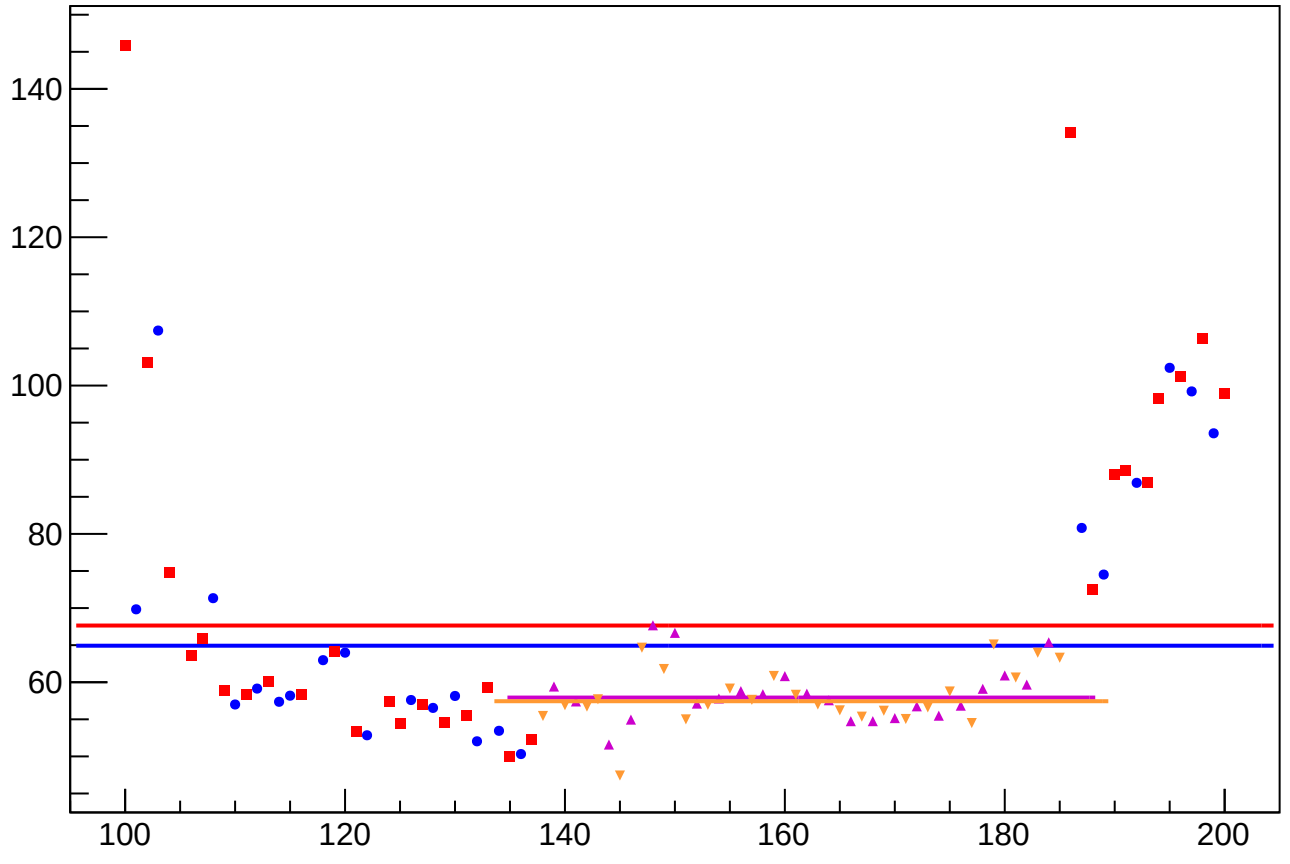
Right Out: -7.361+/-19.045 χ^2/NDF: 35.5/27

Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -6.662+/-7.764 χ^2/NDF: 231.6/97

\- sign 56.314+/-11.050 χ^2/NDF: 76.2/50



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

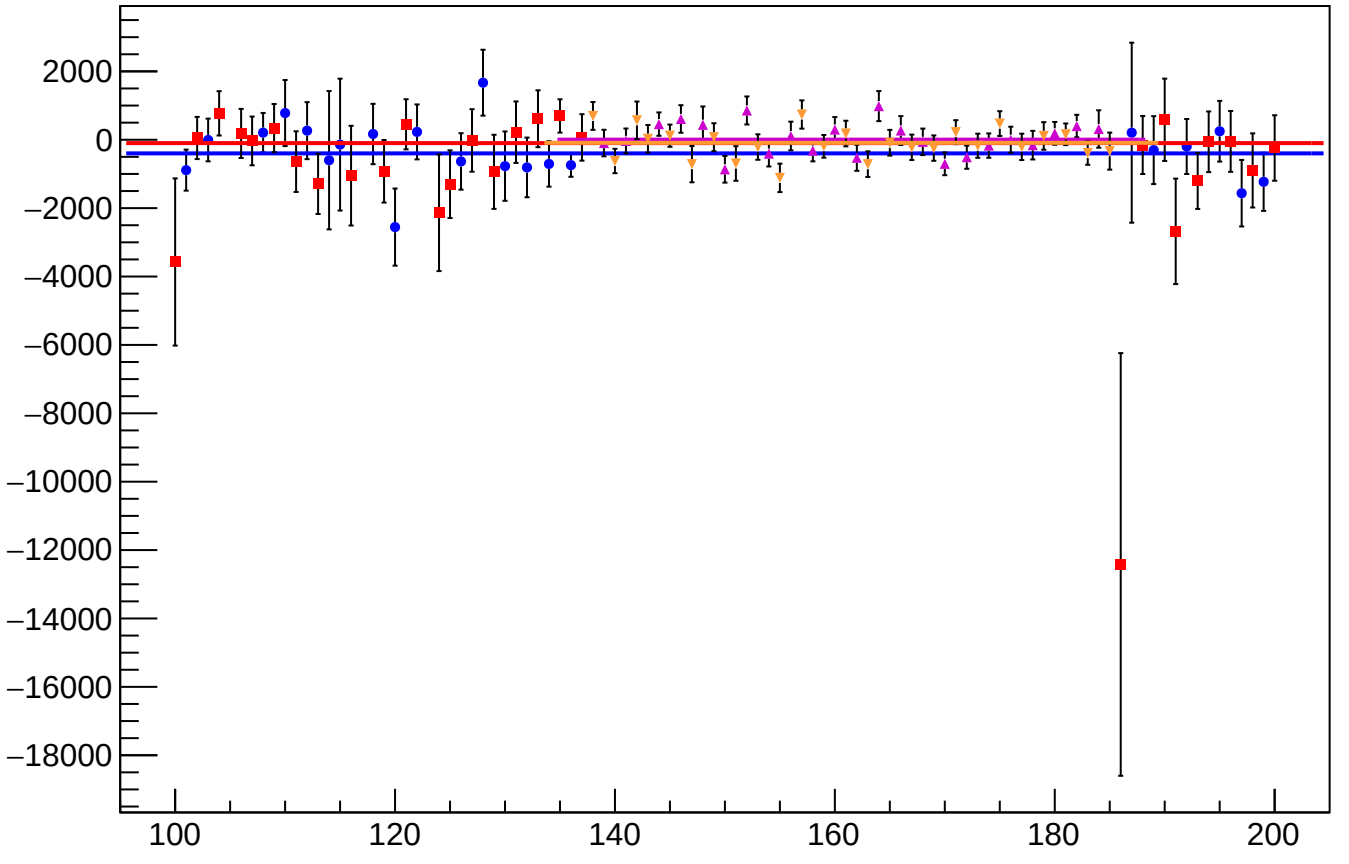
Right Out: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.723+/-0.008 χ^2/NDF: 1686218.1/46

All: 60.453+/-0.005 χ^2/NDF: 3974981.7/97

- sign 61.202+/-0.008 χ^2/NDF: 2270621.3/50



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -98.194+/-161.914 χ^2/NDF: 25.0/27

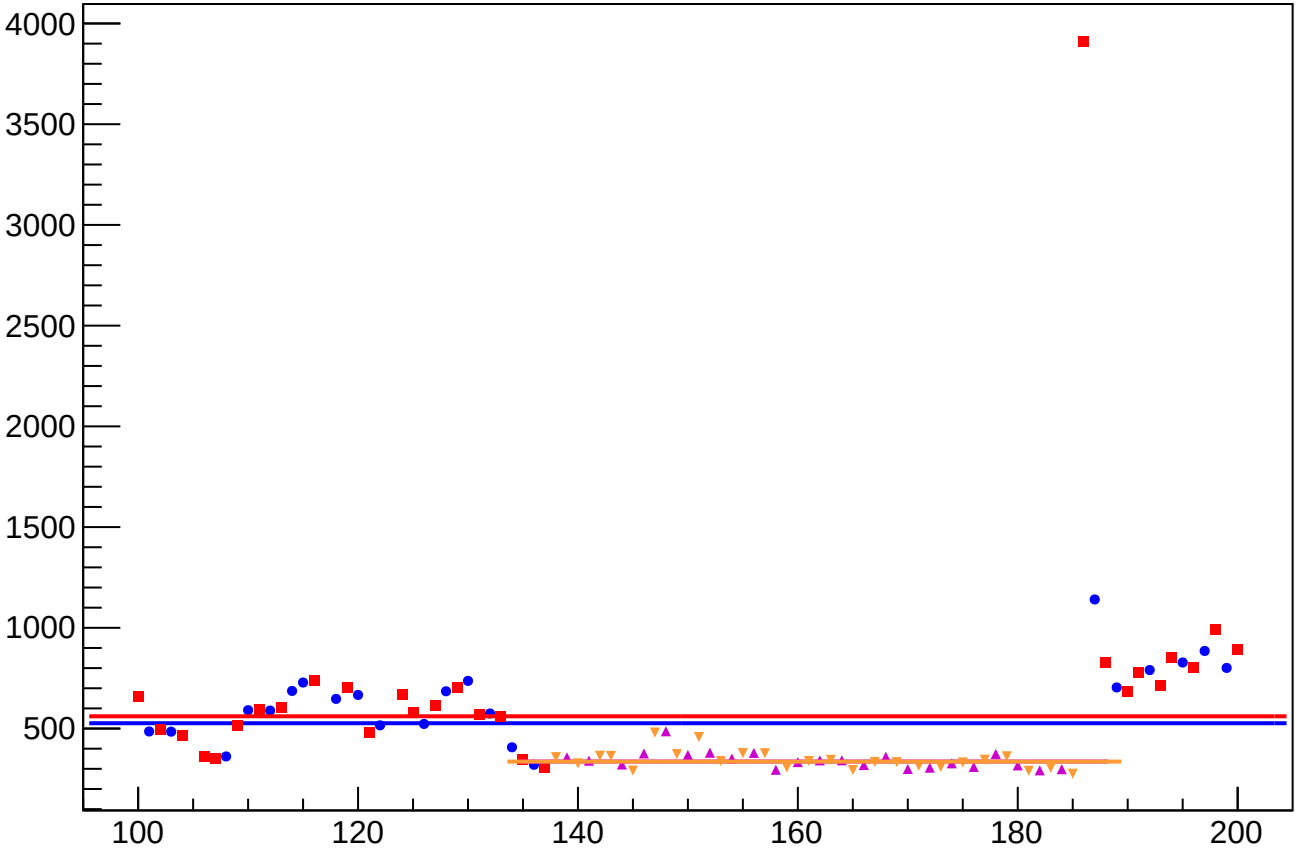
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -144.872+/-69.726 χ^2/NDF: 51.1/46

All: -81.973+/-49.796 χ^2/NDF: 111.7/97

- sign -16.497+/-71.140 χ^2/NDF: 58.9/50

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

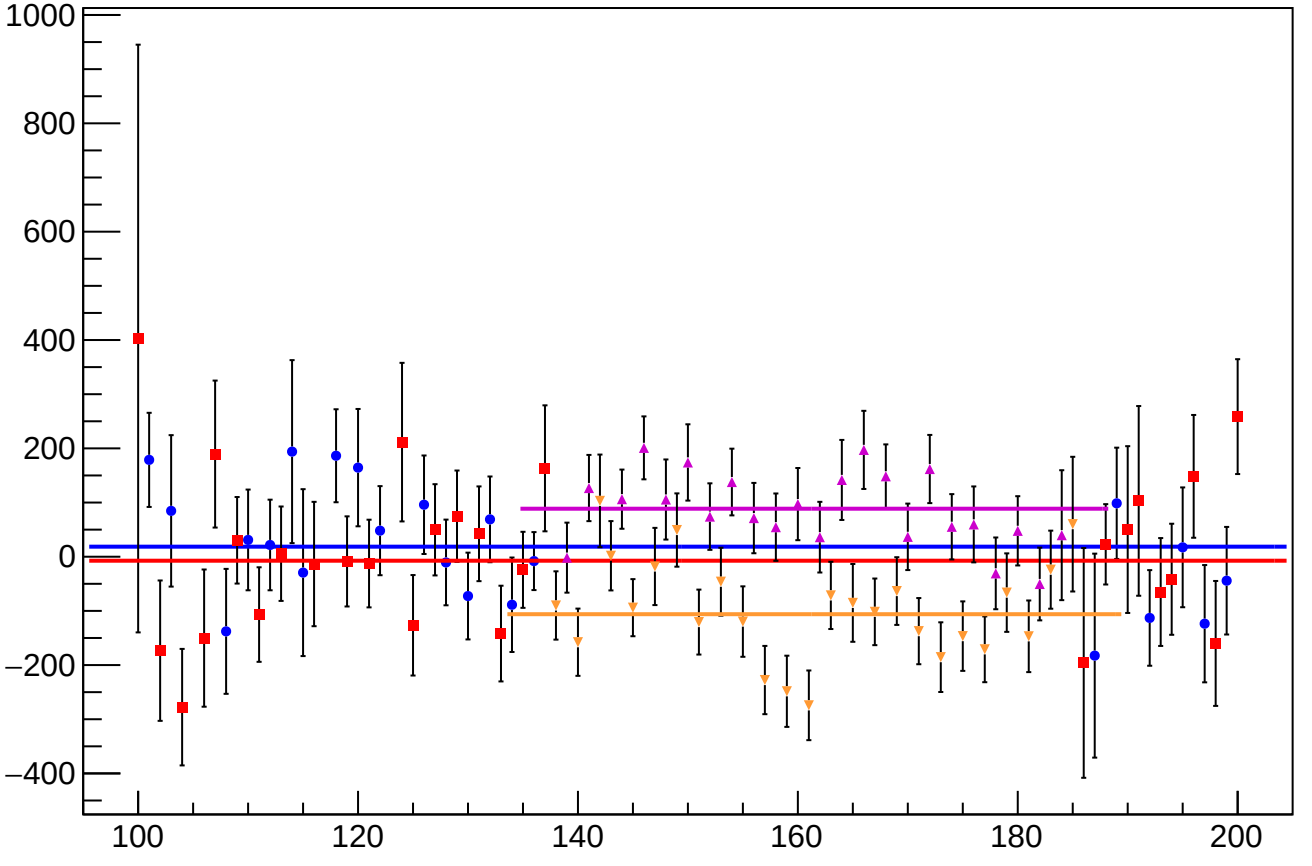
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085428.4/46

All: 374.859+/-0.035 χ^2/NDF: 11691519.2/97

- sign 379.679+/-0.050 χ^2/NDF: 6588090.0/50

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

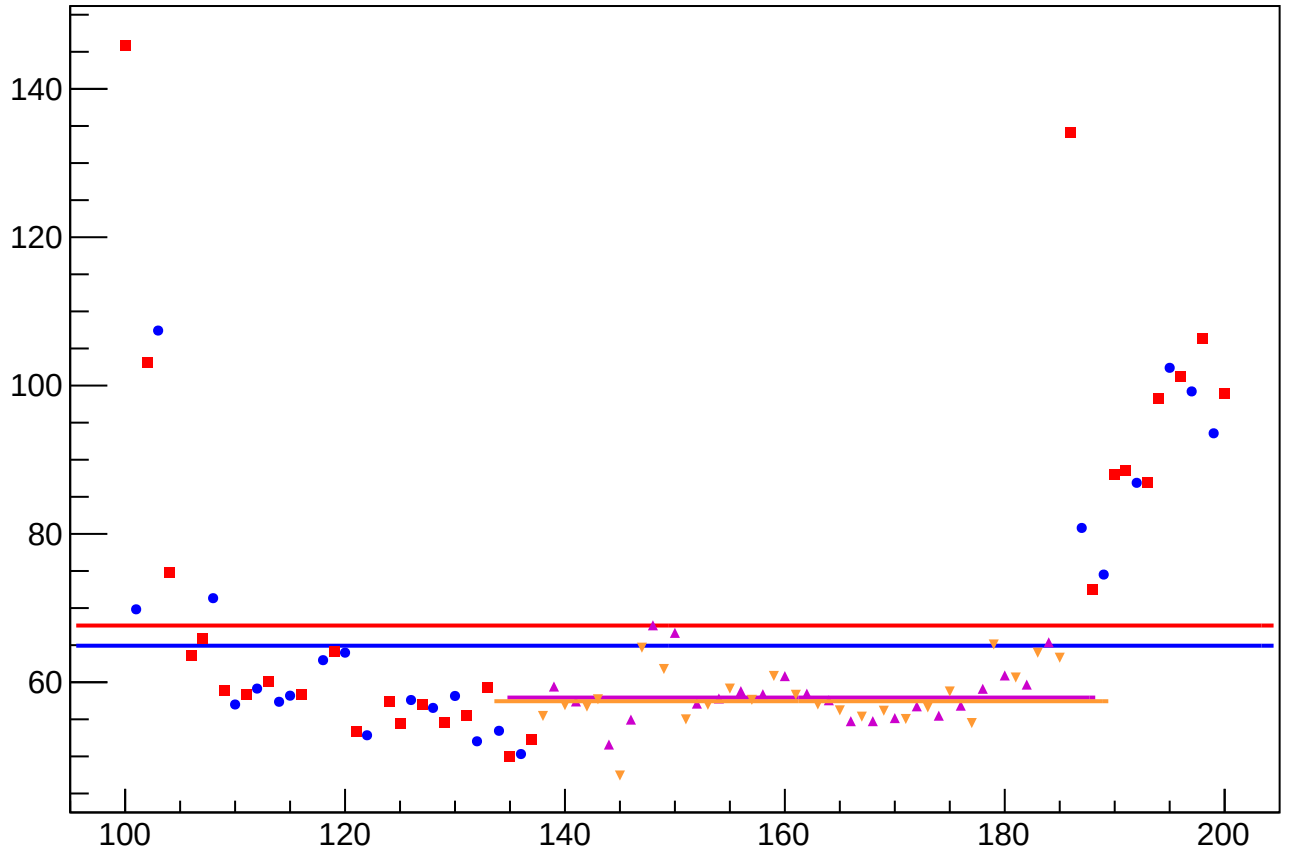
Right Out: -7.361+/-19.045 χ^2/NDF: 35.5/27

Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -6.662+/-7.764 χ^2/NDF: 231.6/97

\- sign 56.314+/-11.050 χ^2/NDF: 76.2/50



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

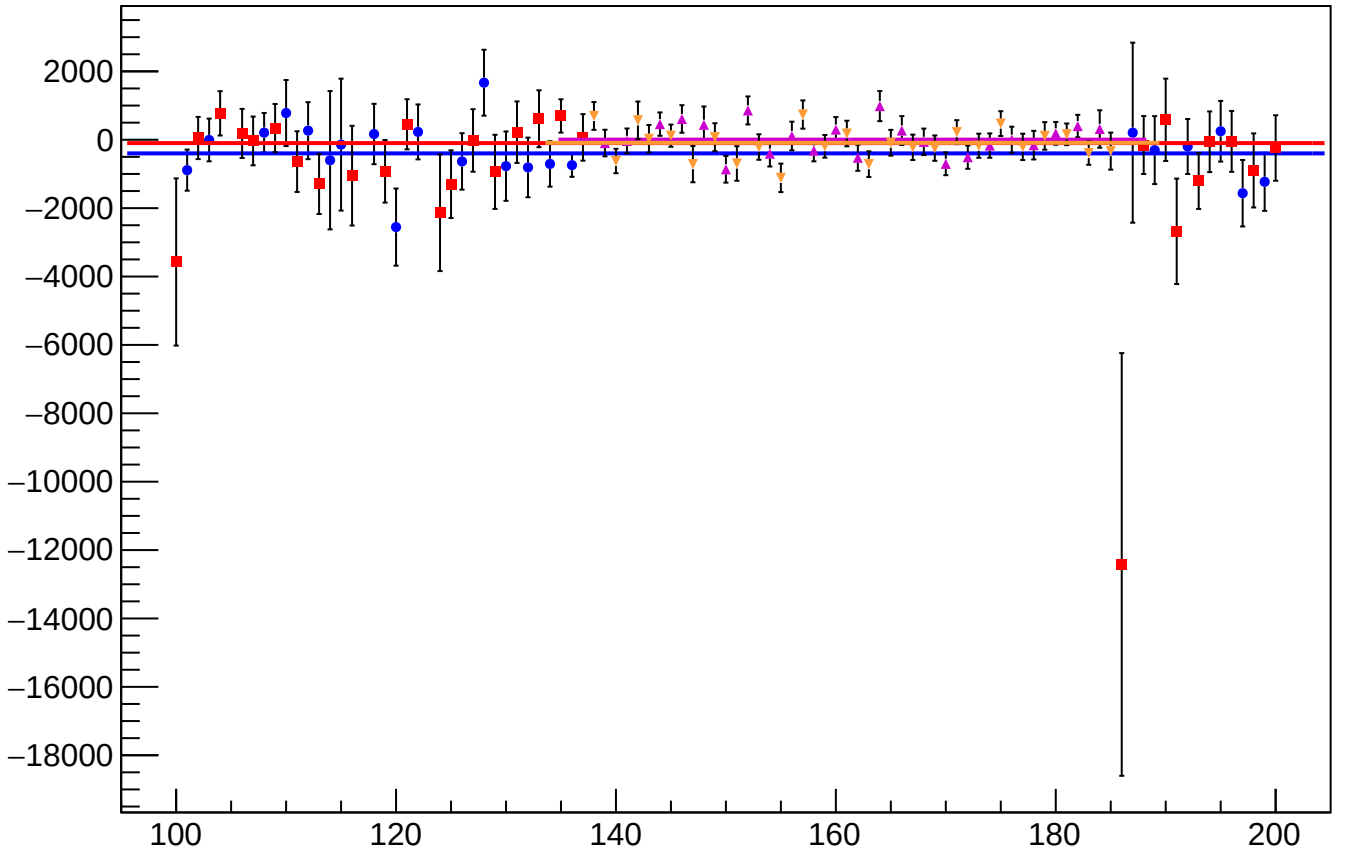
Right Out: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 59.723+/-0.008 χ^2/NDF: 1686218.1/46

All: 60.453+/-0.005 χ^2/NDF: 3974981.7/97

\- sign 61.202+/-0.008 χ^2/NDF: 2270621.3/50



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -98.194+/-161.914 χ^2/NDF: 25.0/27

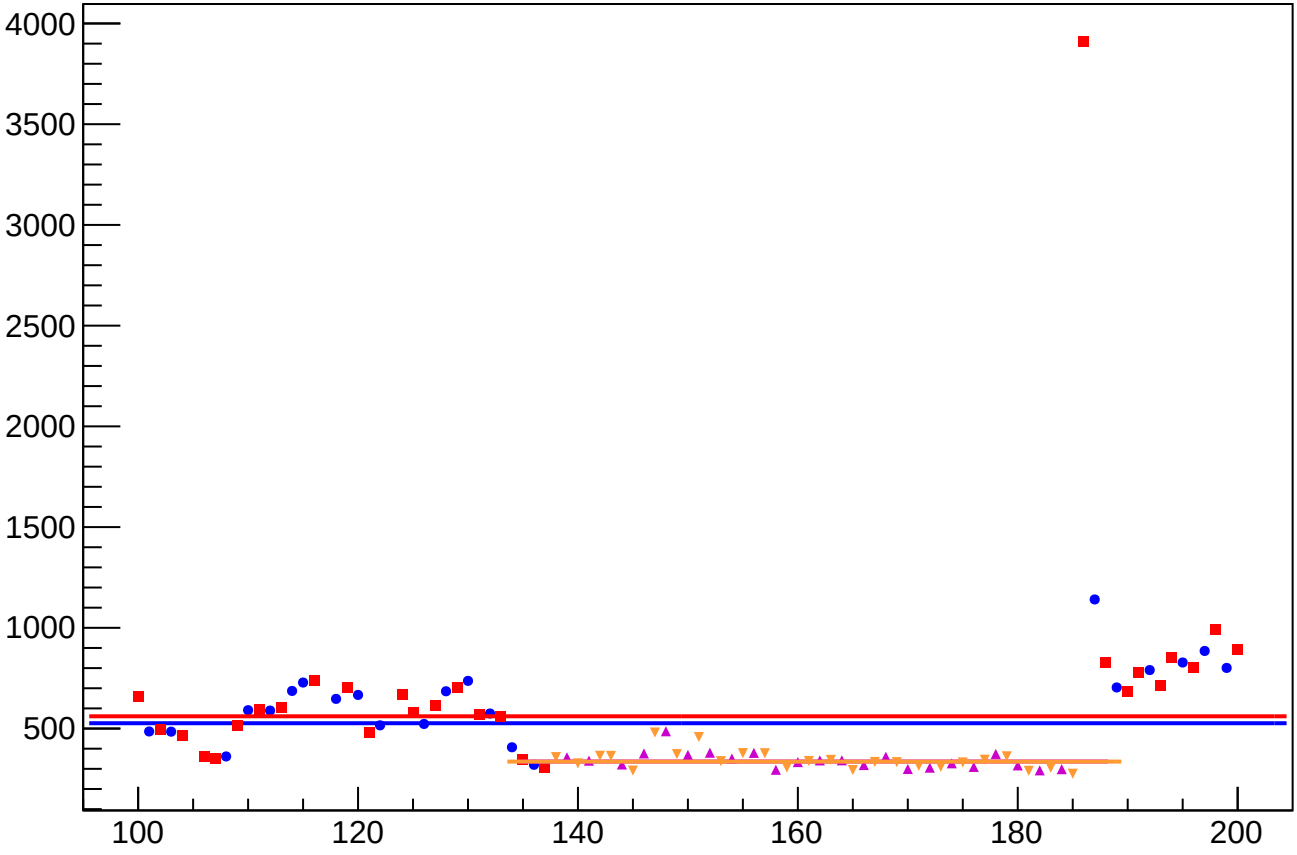
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -144.872+/-69.726 χ^2/NDF: 51.1/46

All: -81.973+/-49.796 χ^2/NDF: 111.7/97

- sign -16.497+/-71.140 χ^2/NDF: 58.9/50

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

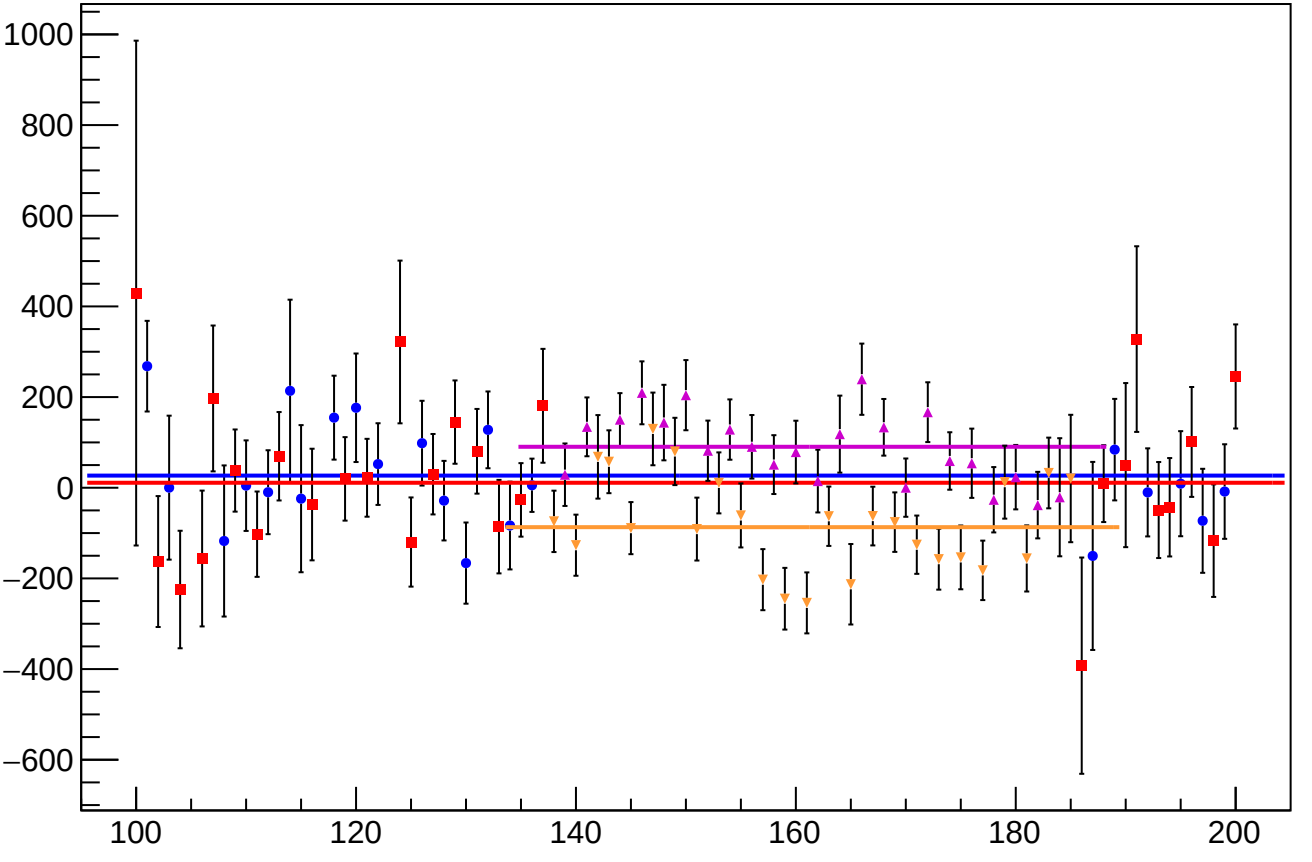
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085428.4/46

All: 374.859+/-0.035 χ^2/NDF: 11691519.2/97

- sign 379.679+/-0.050 χ^2/NDF: 6588090.0/50

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 10.999+/-21.077 χ^2/NDF: 32.0/27

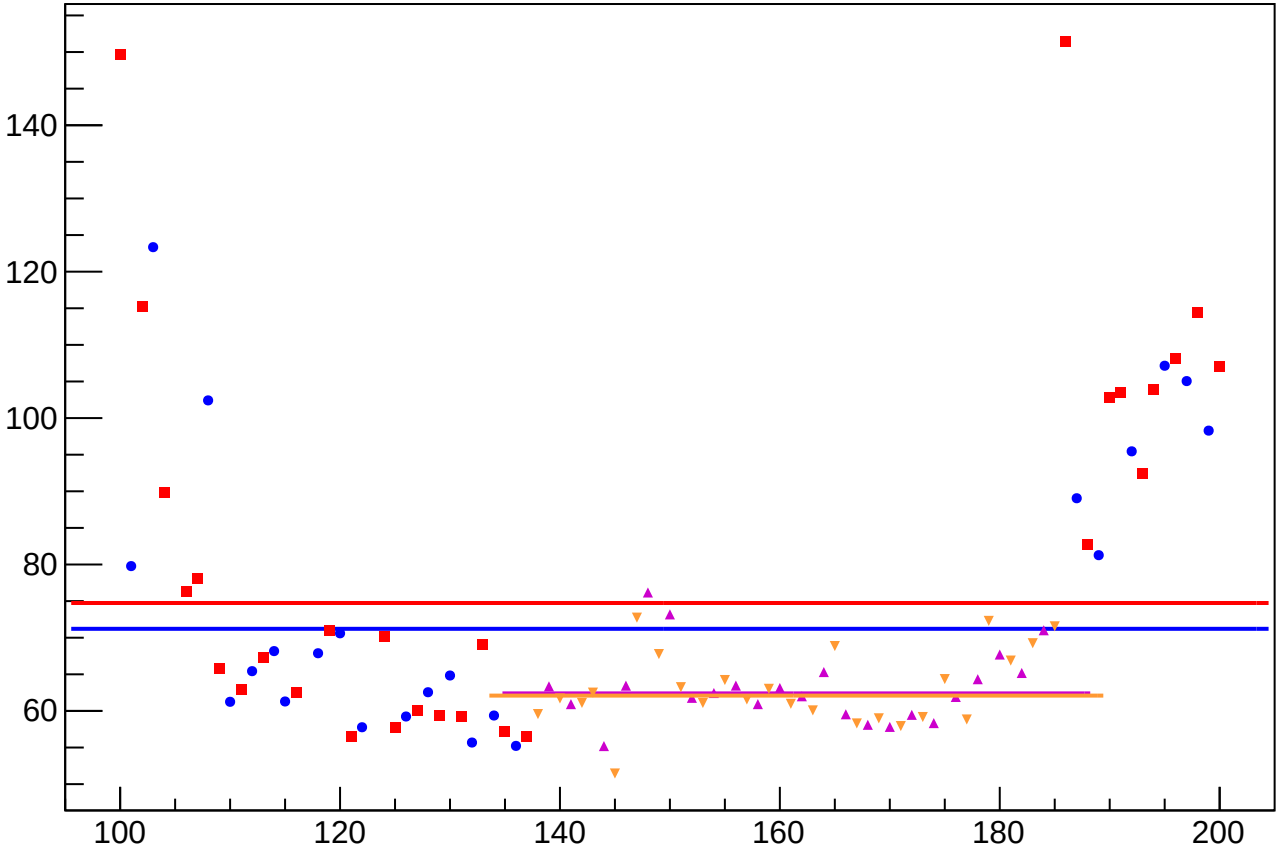
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -52.961+/-11.869 χ^2/NDF: 89.9/46

All: 4.962+/-8.450 χ^2/NDF: 204.8/97

- sign 64.494+/-12.033 χ^2/NDF: 66.6/50

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.216+/-0.015 χ^2/NDF: 1347538.5/21

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

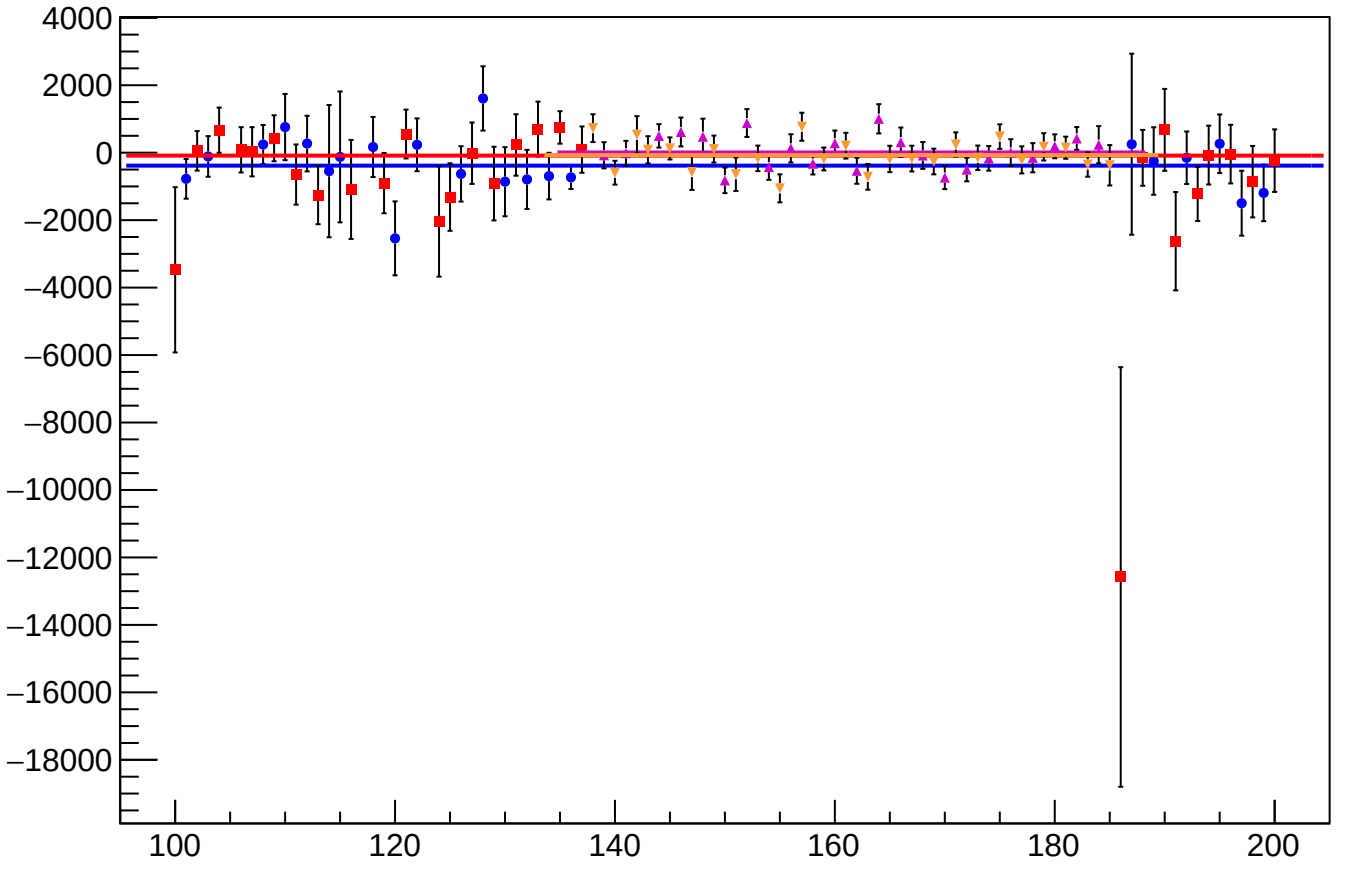
Right Out: 74.743+/-0.015 χ^2/NDF: 1795685.7/27

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 64.819+/-0.008 χ^2/NDF: 1828424.2/46

All: 65.609+/-0.006 χ^2/NDF: 4293533.7/97

- sign 66.420+/-0.009 χ^2/NDF: 2447175.4/50



Right In: -384.278+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -86.504+/-159.682 χ^2/NDF: 25.9/27

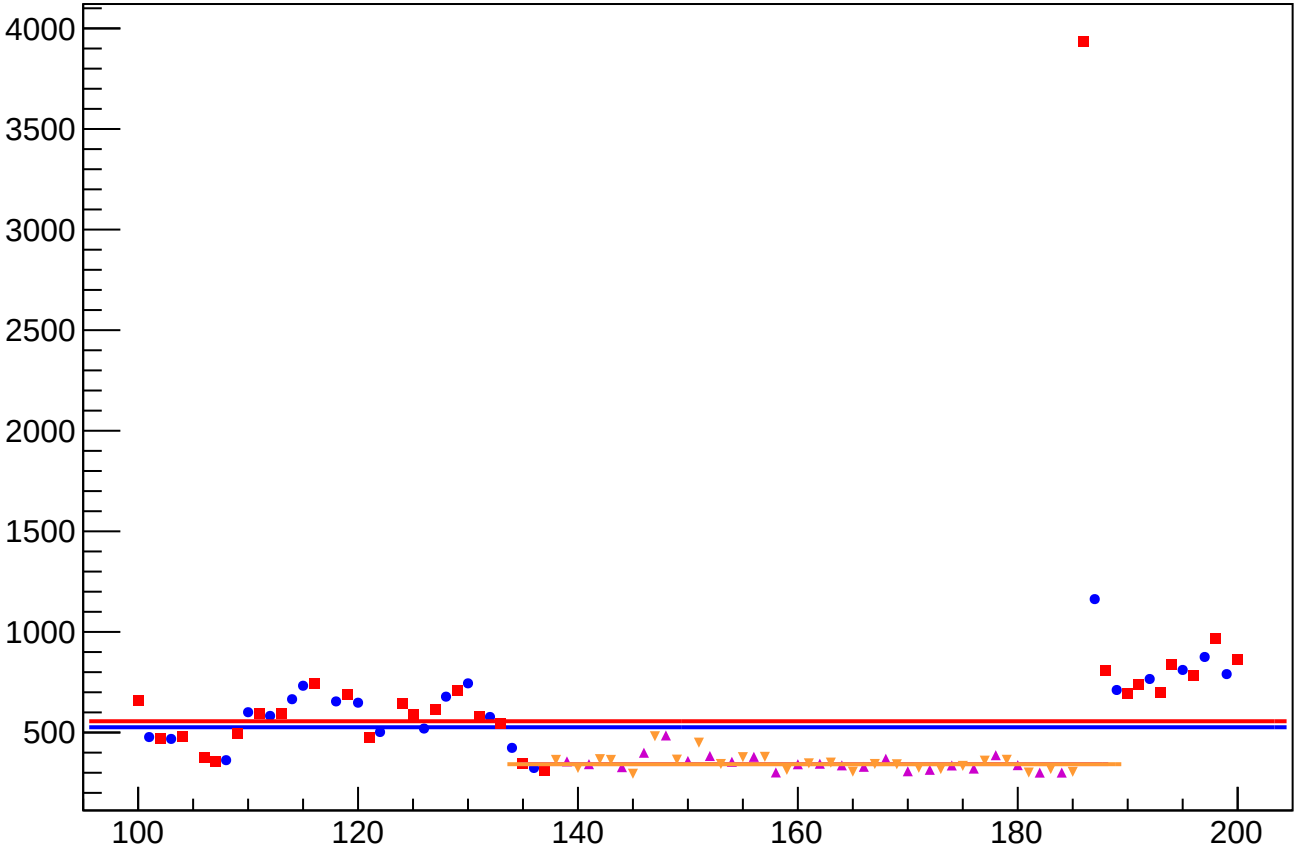
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -129.768+/-70.701 χ^2/NDF: 49.4/46

All: -72.371+/-50.469 χ^2/NDF: 110.8/97

- sign -12.735+/-72.067 χ^2/NDF: 60.1/50

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 526.170+/-0.116 χ^2/NDF: 2244278.3/21

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 556.012+/-0.113 χ^2/NDF: 2957435.3/27

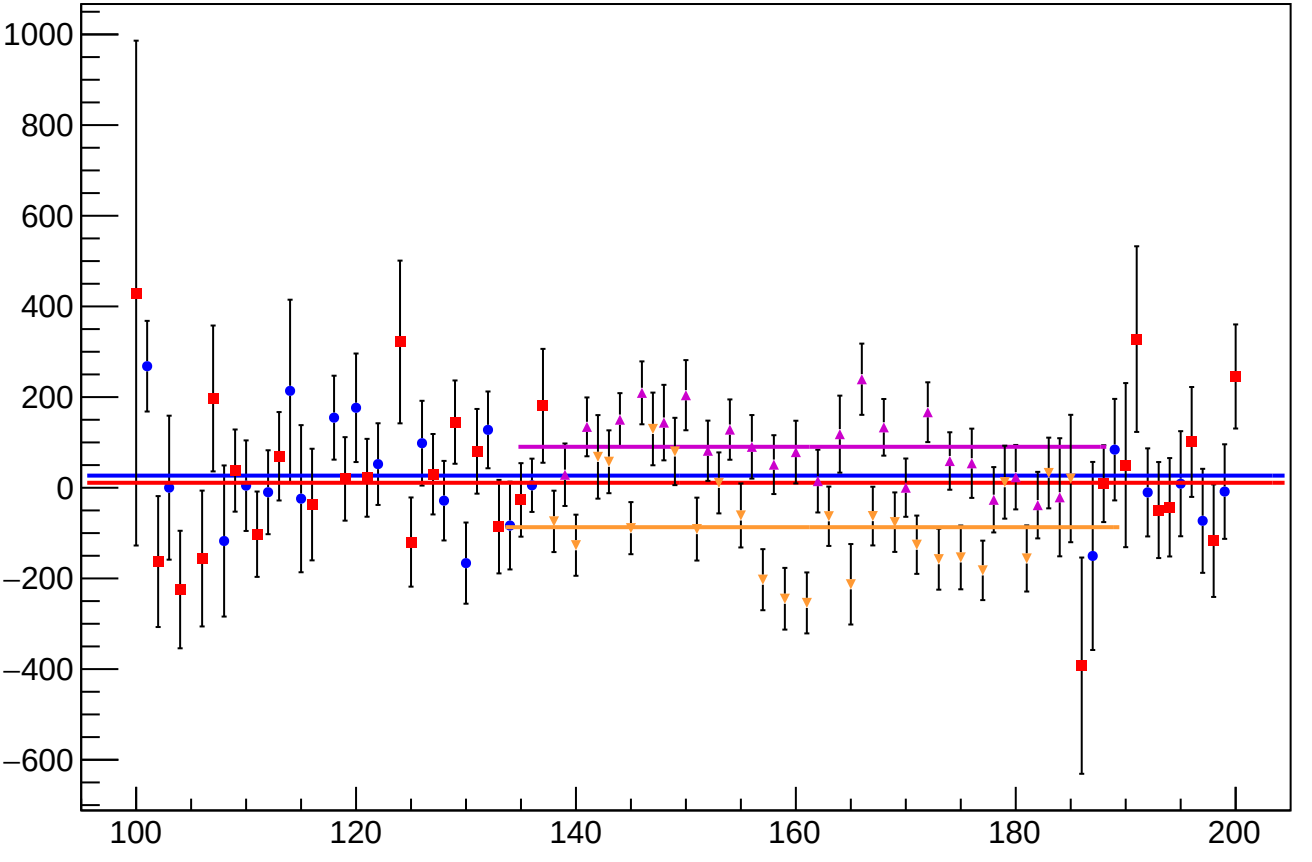
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 376.802+/-0.050 χ^2/NDF: 4728356.5/46

All: 381.599+/-0.036 χ^2/NDF: 10905125.2/97

- sign 386.583+/-0.051 χ^2/NDF: 6157996.4/50

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 10.999+/-21.077 χ^2/NDF: 32.0/27

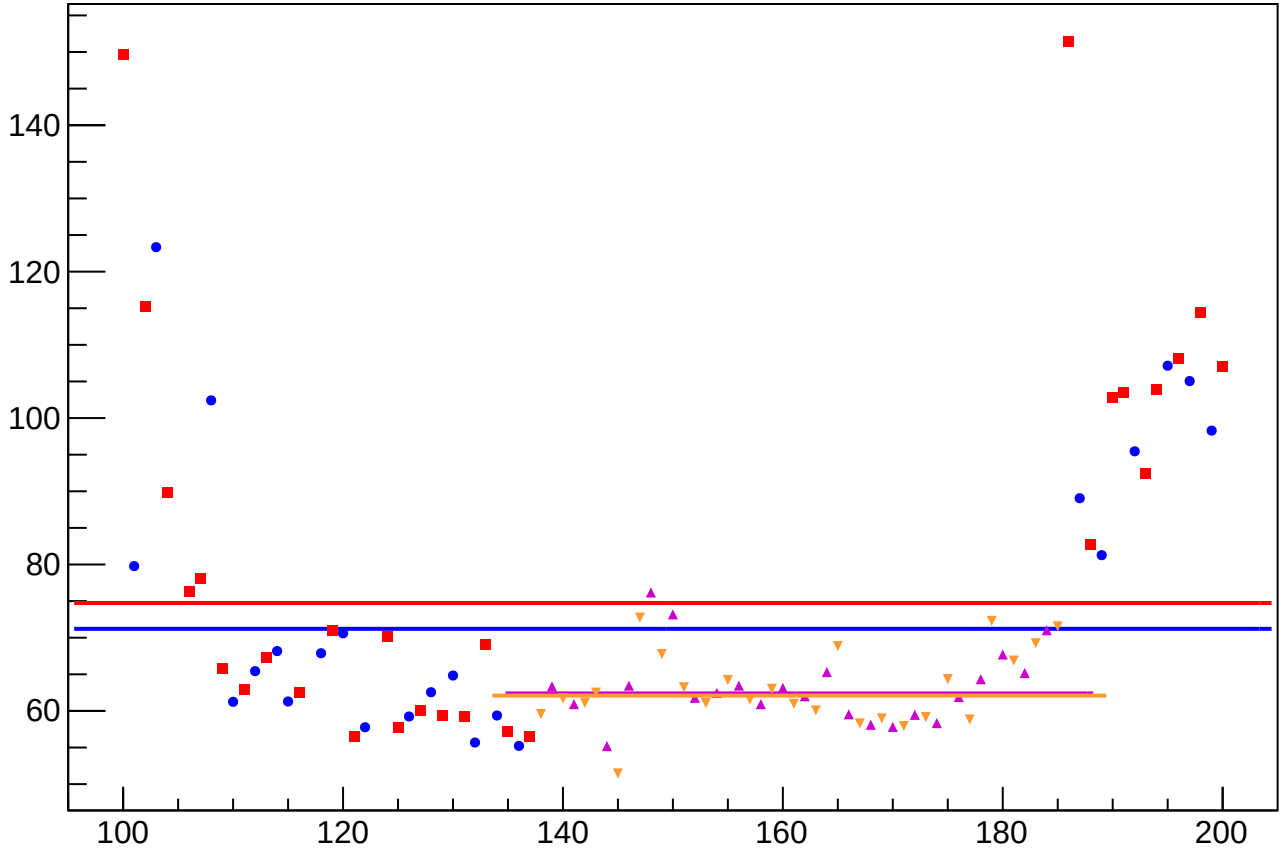
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -52.961+/-11.869 χ^2/NDF: 89.9/46

All: 4.962+/-8.450 χ^2/NDF: 204.8/97

- sign 64.494+/-12.033 χ^2/NDF: 66.6/50

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.215+/-0.015 χ^2/NDF: 1347559.7/21

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

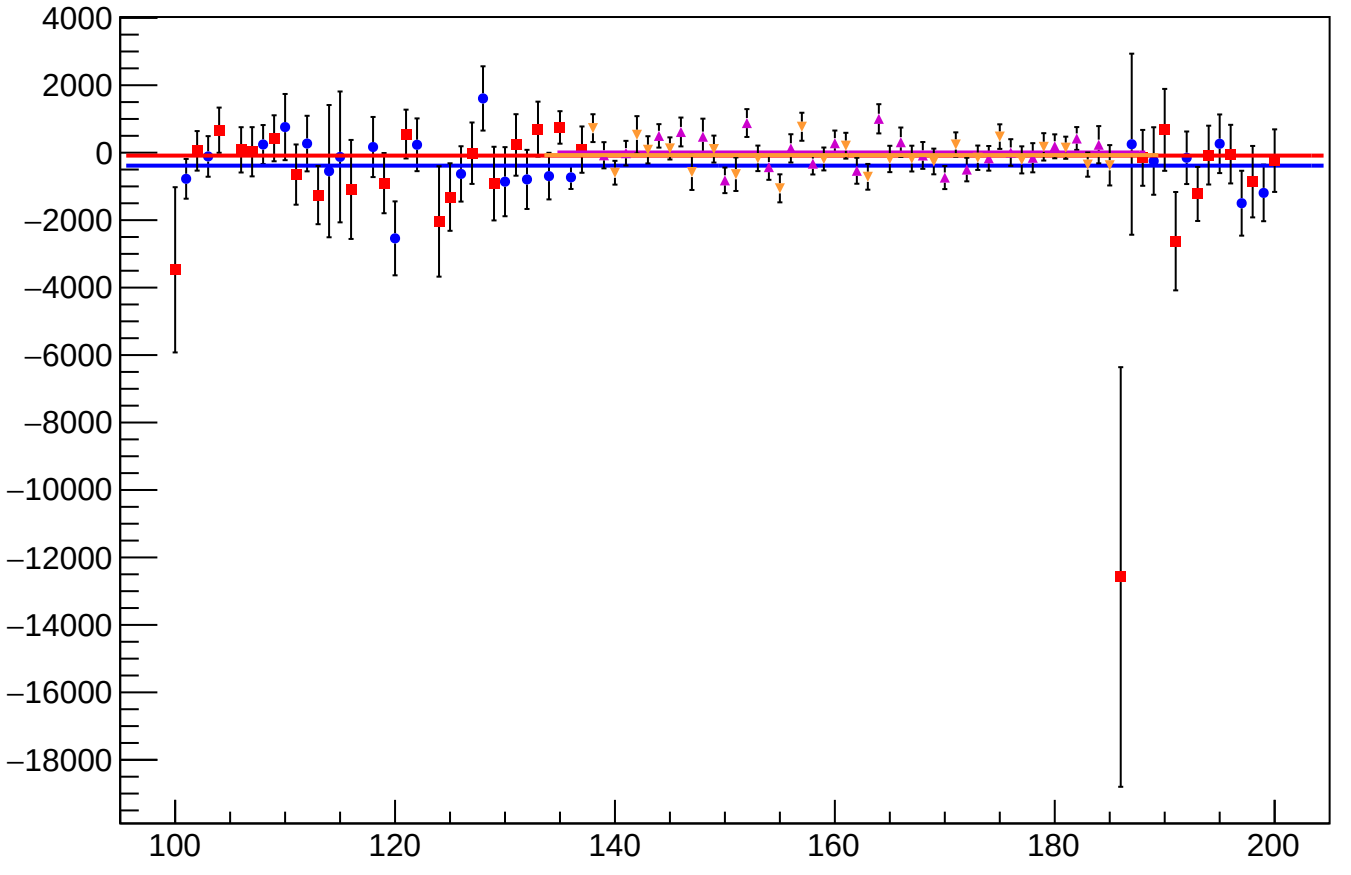
Right Out: 74.743+/-0.015 χ^2/NDF: 1795687.0/27

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 64.819+/-0.008 χ^2/NDF: 1828445.5/46

All: 65.609+/-0.006 χ^2/NDF: 4293552.8/97

- sign 66.420+/-0.009 χ^2/NDF: 2447172.6/50



Right In: -384.277+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

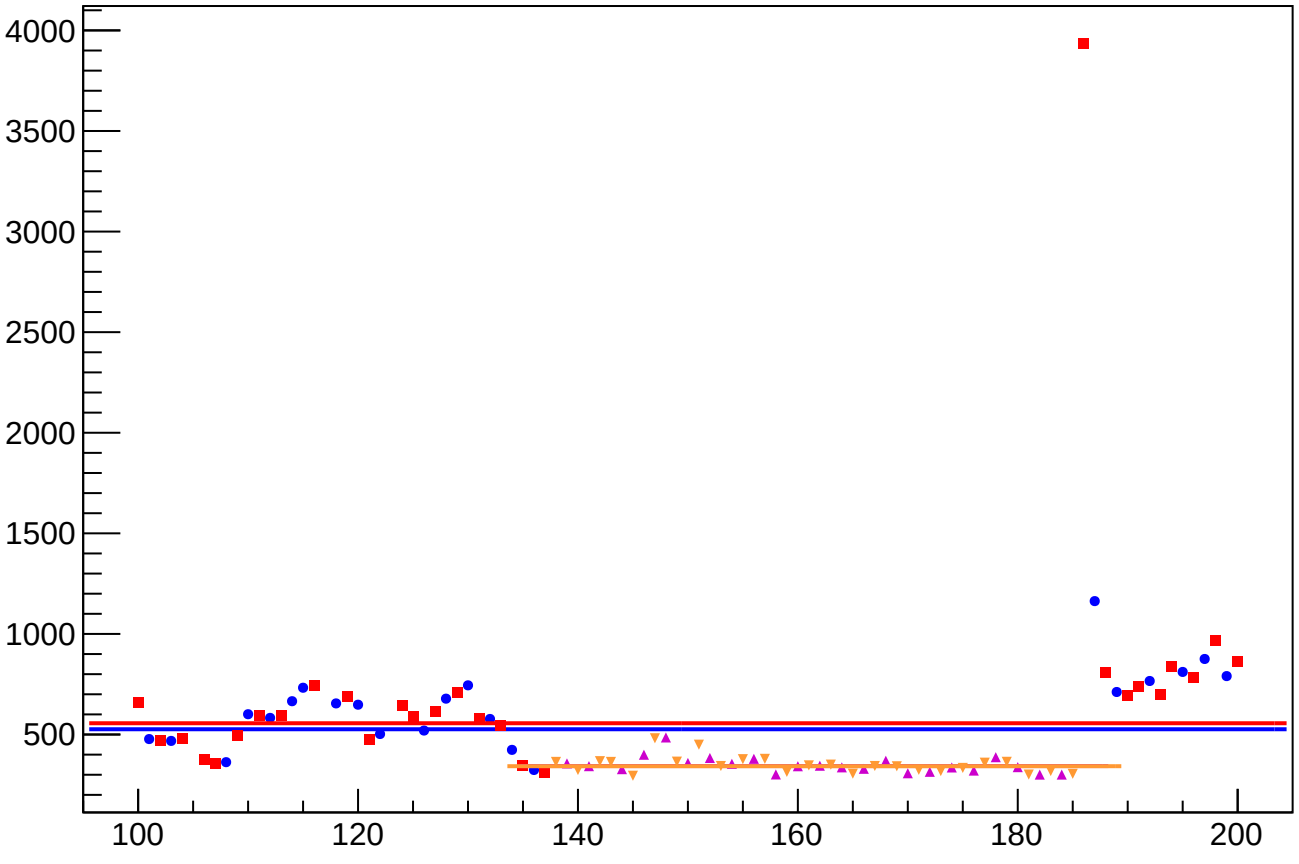
Right Out: -86.504+/-159.682 χ^2/NDF: 25.9/27

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -129.768+/-70.701 χ^2/NDF: 49.4/46

All: -72.371+/-50.469 χ^2/NDF: 110.8/97

- sign -12.735+/-72.067 χ^2/NDF: 60.1/50



Right In: 526.169+/-0.116 χ^2/NDF: 2244281.0/21

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 556.012+/-0.113 χ^2/NDF: 2957441.4/27

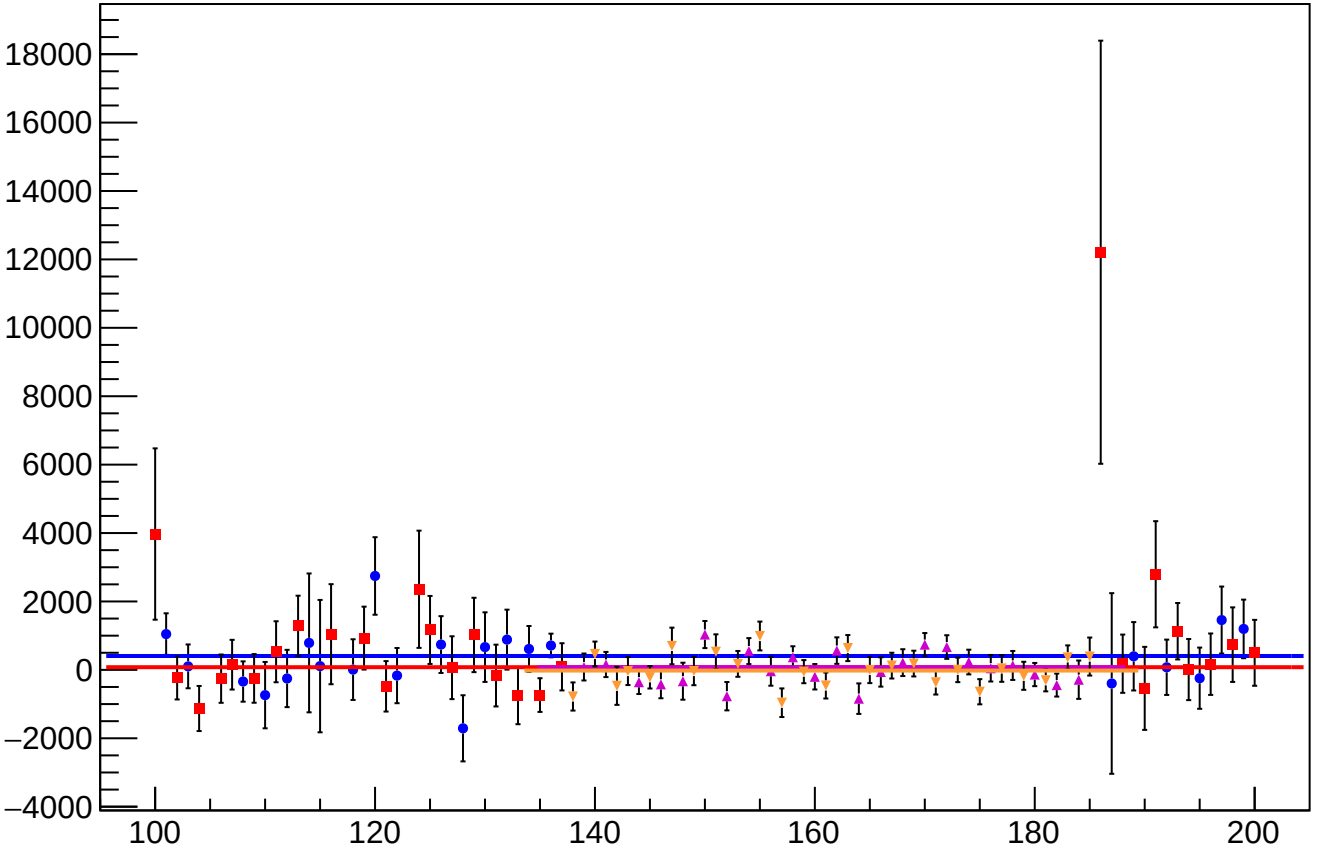
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 376.802+/-0.050 χ^2/NDF: 4728350.8/46

All: 381.599+/-0.036 χ^2/NDF: 10905108.8/97

- sign 386.583+/-0.051 χ^2/NDF: 6157985.4/50

asym_sam_13_57_dd_mean vs Slug



Right In: 405.693+/-165.972 χ^2/NDF: 19.0/21

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 78.016+/-163.260 χ^2/NDF: 27.3/27

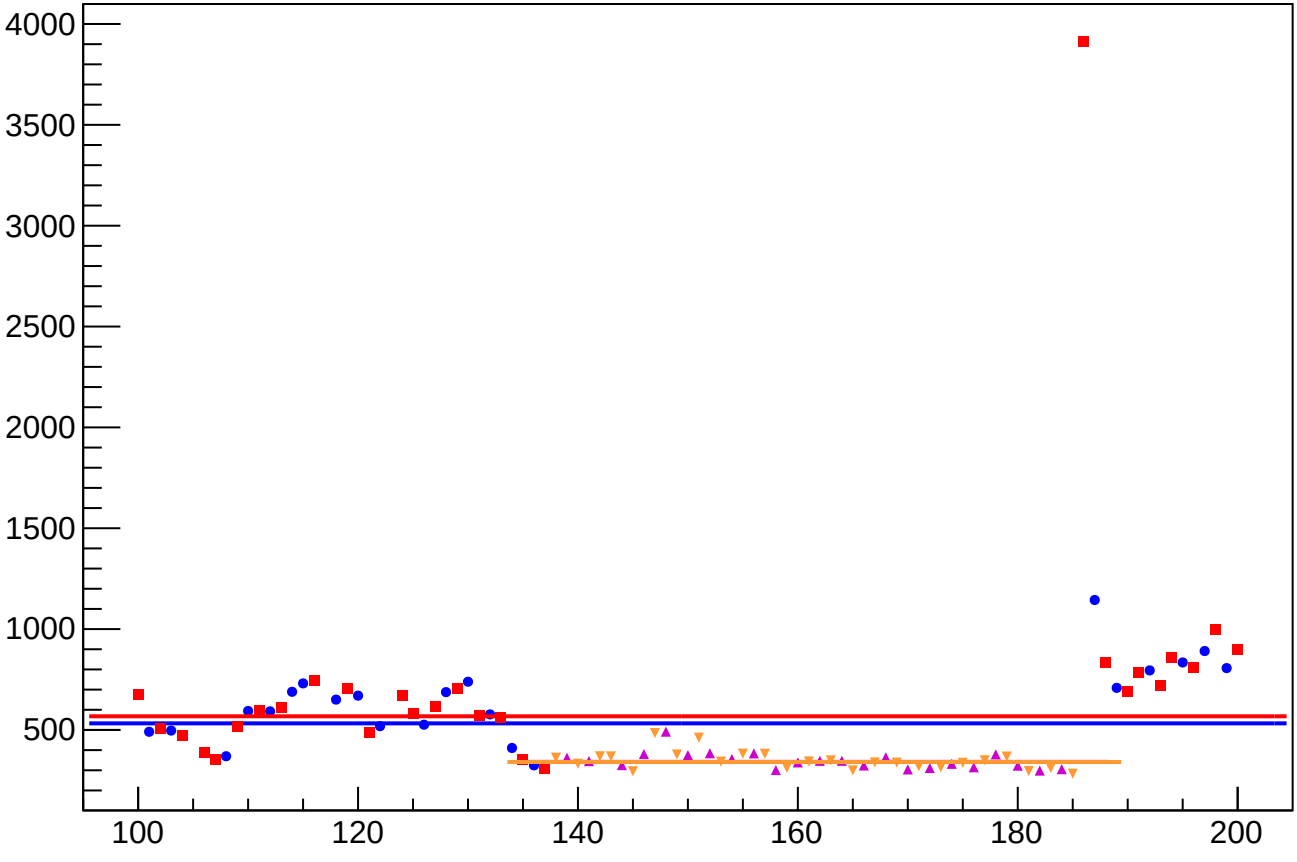
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 57.105+/-70.738 χ^2/NDF: 55.8/46

All: 67.634+/-50.506 χ^2/NDF: 116.1/97

- sign 78.582+/-72.135 χ^2/NDF: 60.3/50

asym_sam_13_57_dd_rms vs Slug



Right In: 532.643+/-0.117 χ^2/NDF: 2294776.4/21

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

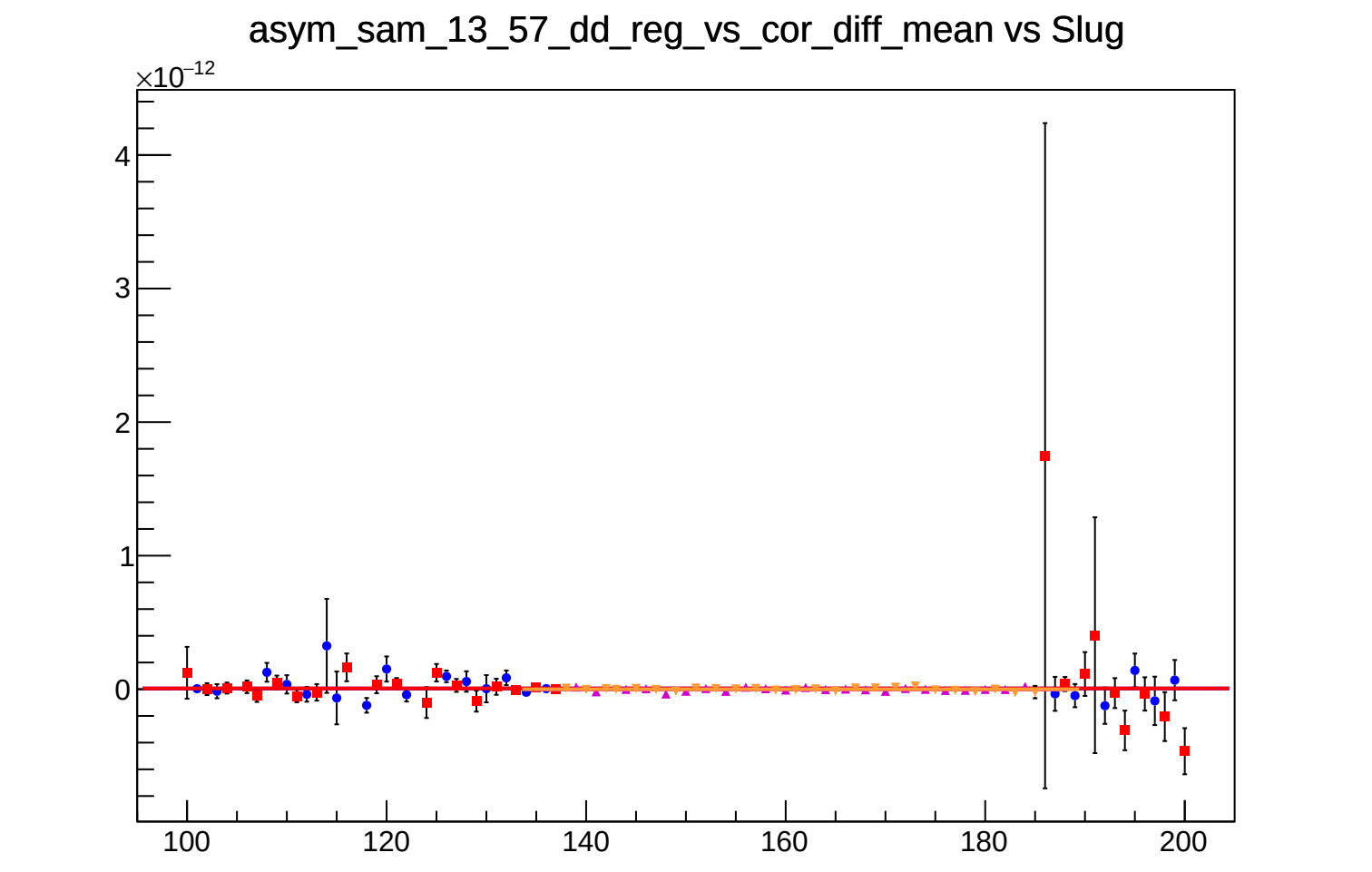
Right Out: 567.626+/-0.115 χ^2/NDF: 2995252.4/27

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 375.975+/-0.050 χ^2/NDF: 4983250.0/46

All: 380.764+/-0.036 χ^2/NDF: 11478515.8/97

- sign 385.744+/-0.051 χ^2/NDF: 6476567.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

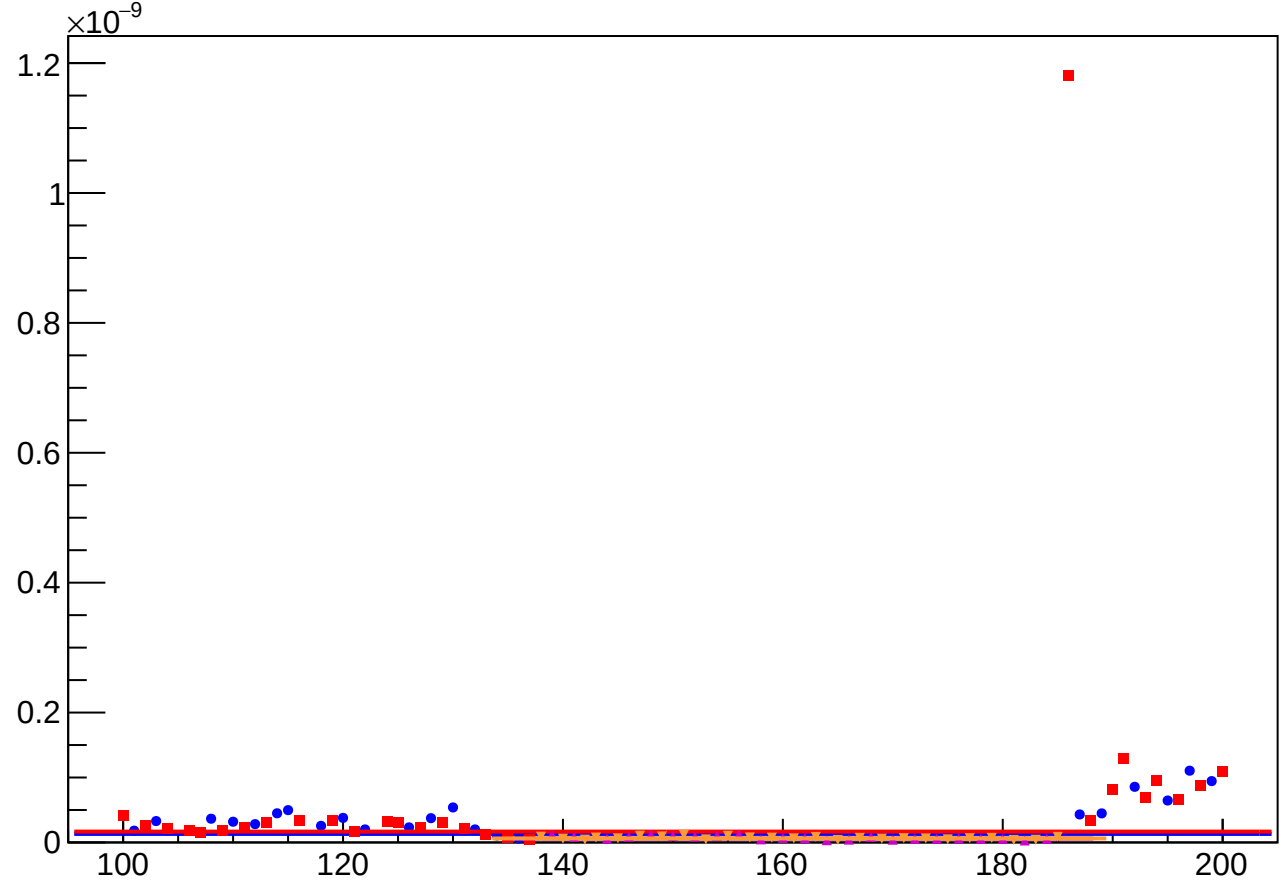
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/27

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

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

All: -0.000+/-0.000 χ^2/NDF: 88.2/97

- sign -0.000+/-0.000 χ^2/NDF: 44.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5331636.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5070879.4/27

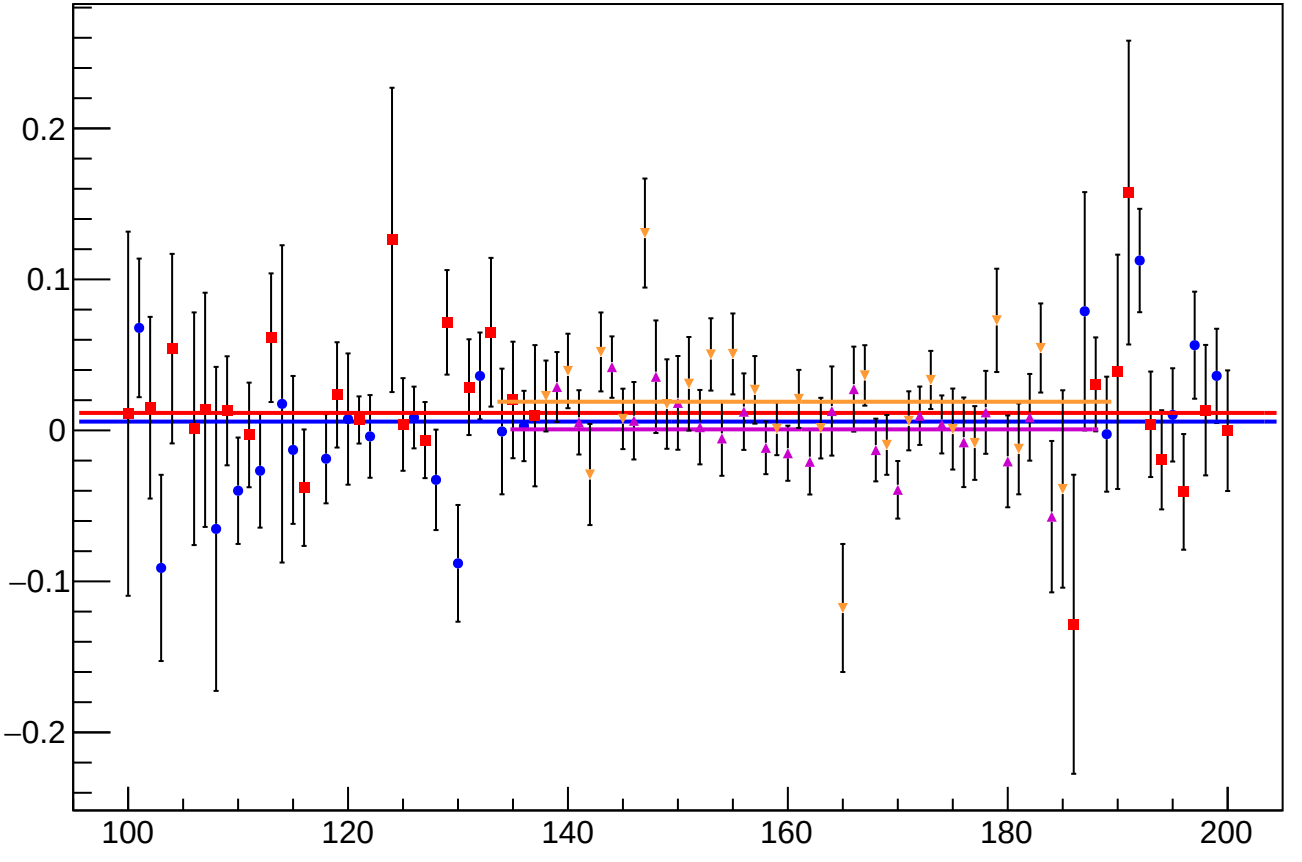
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7883574.7/46

All: 0.000+/-0.000 χ^2/NDF: 17212733.9/97

- sign 0.000+/-0.000 χ^2/NDF: 9329103.6/50

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

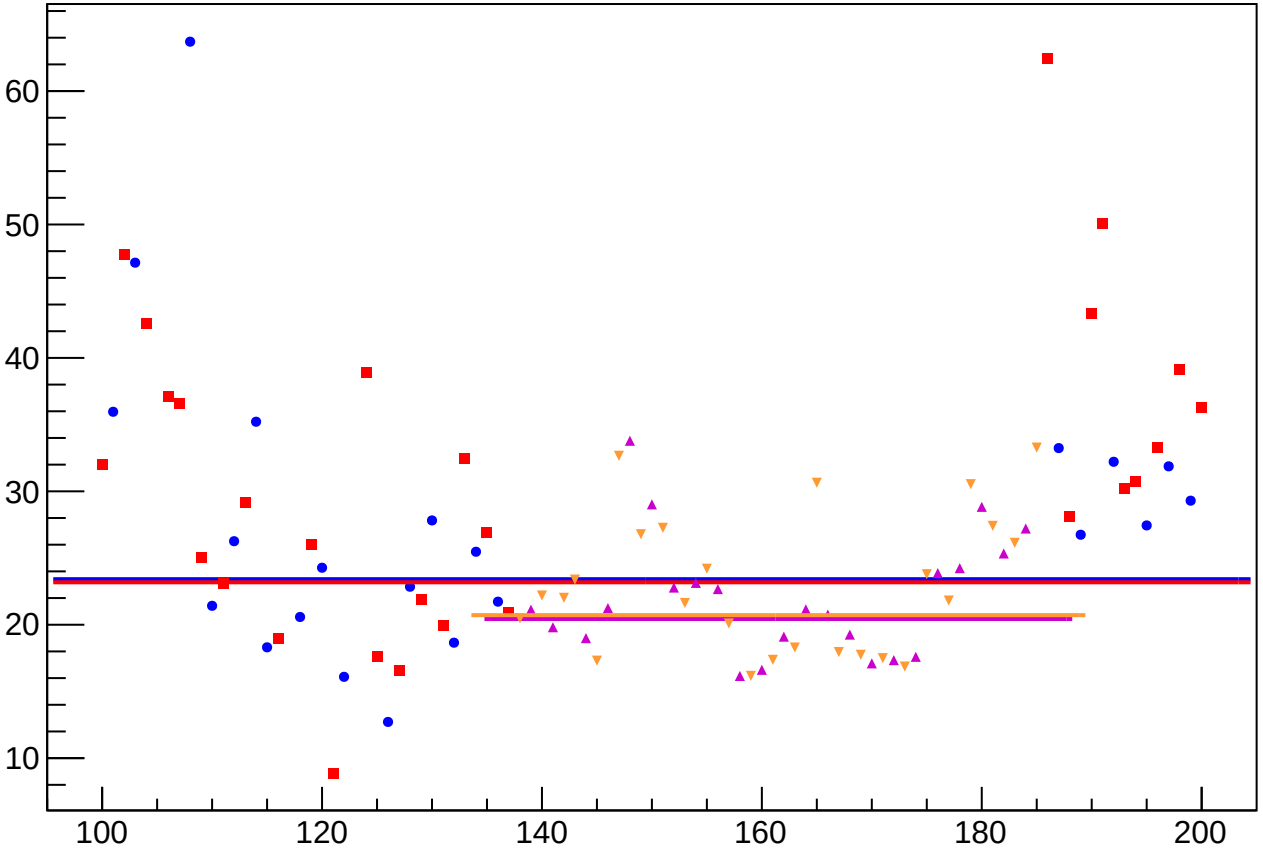
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.1/97

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

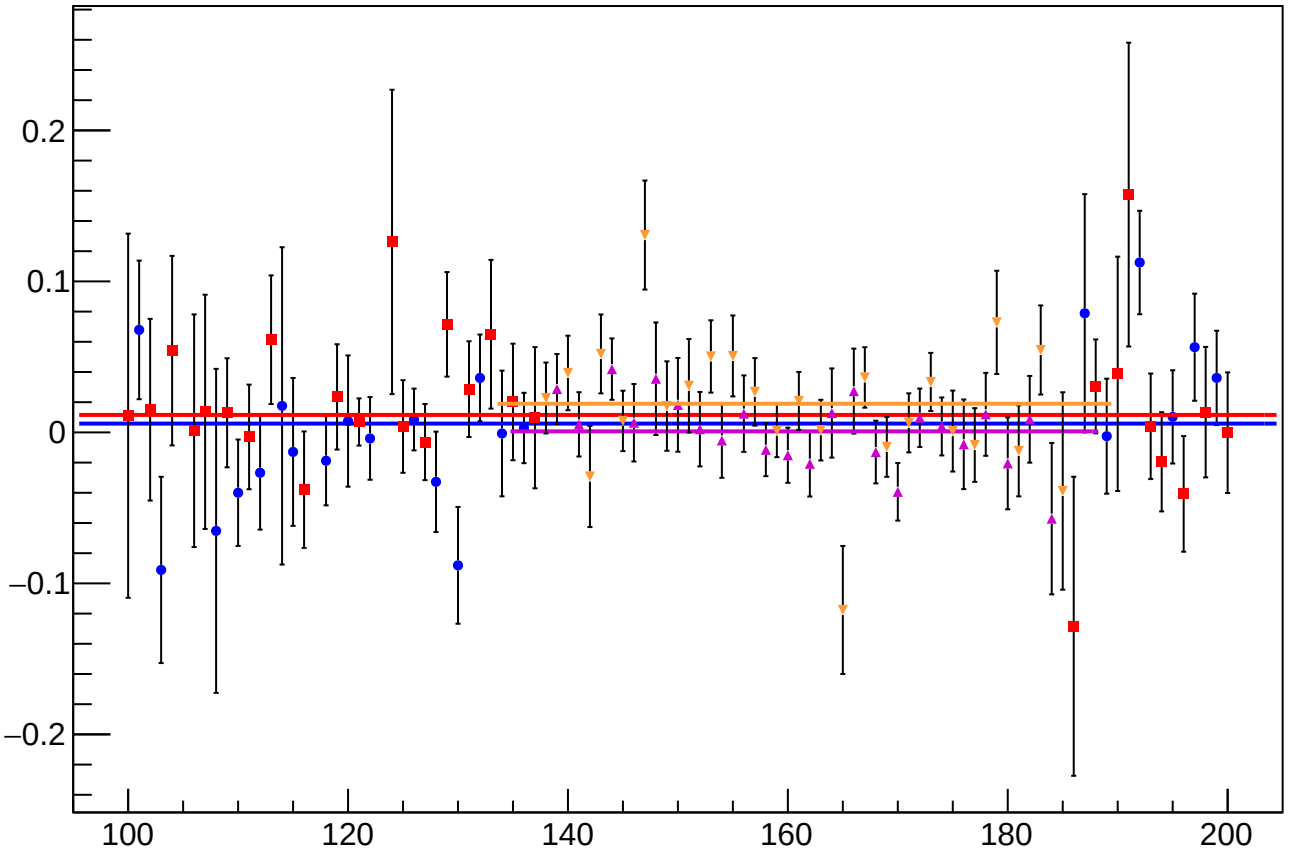
Right Out: 23.181+/-0.005 χ^2/NDF: 4253594.6/27

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.526+/-0.003 χ^2/NDF: 3686416.5/46

All: 21.424+/-0.002 χ^2/NDF: 9318570.1/97

- sign 21.324+/-0.003 χ^2/NDF: 5629689.2/50



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

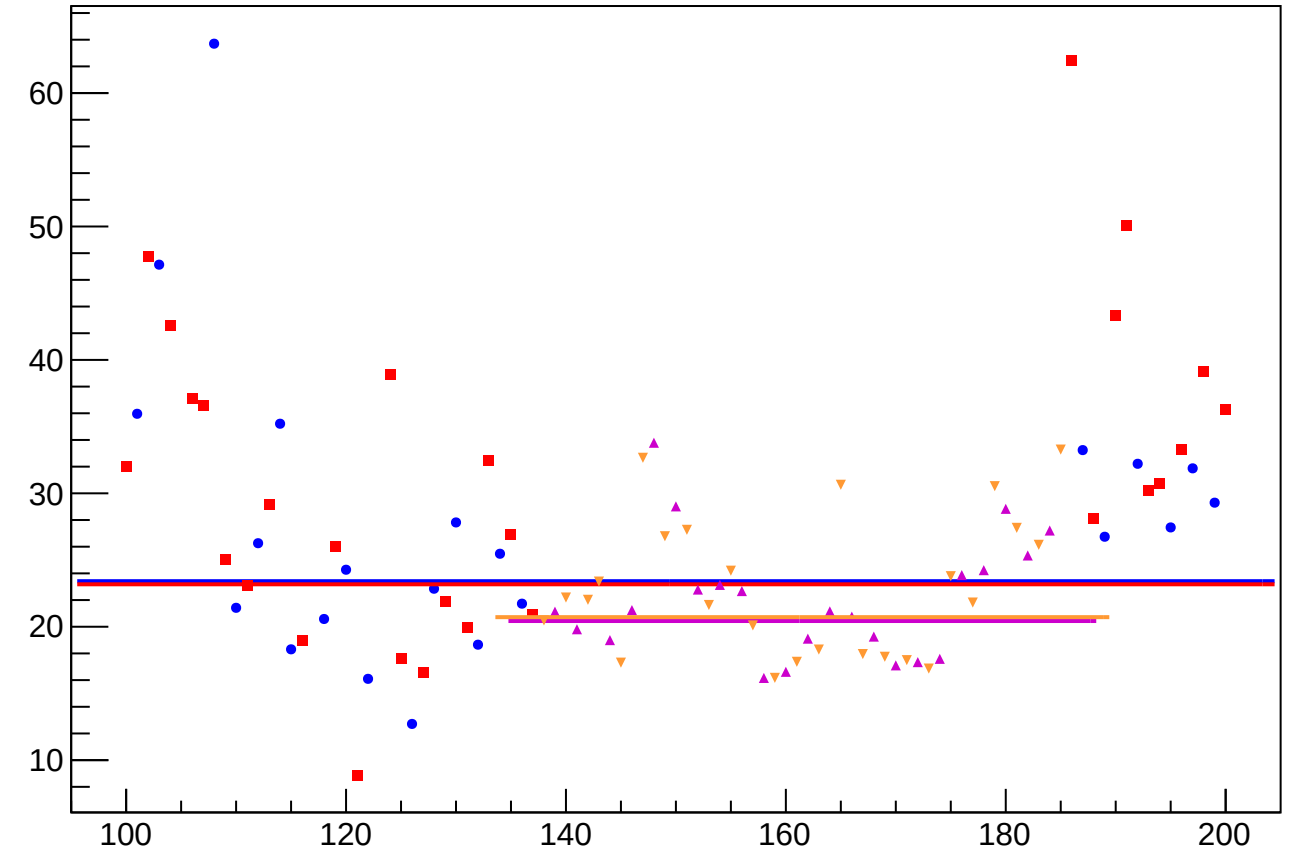
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.1/97

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

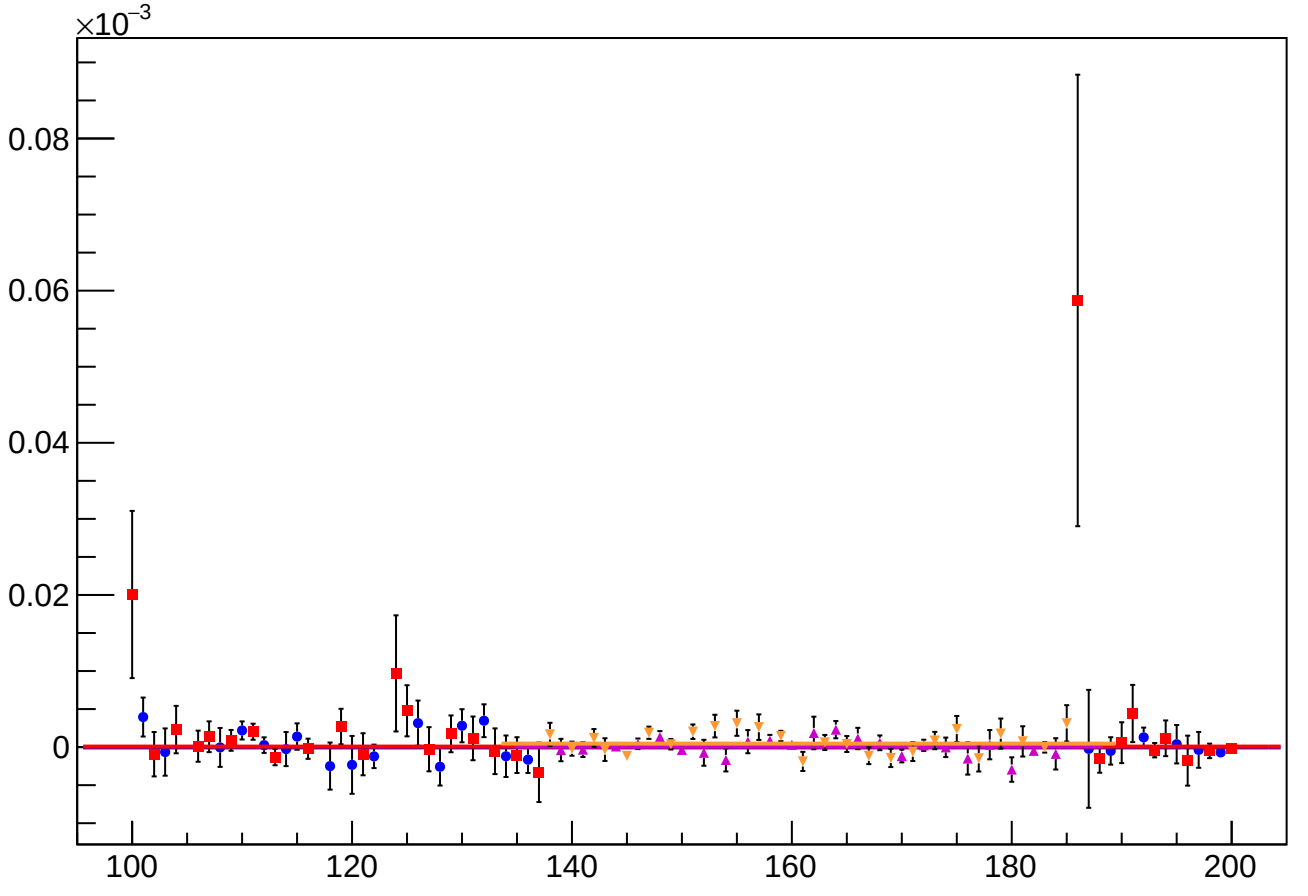
Right Out: 23.181+/-0.005 χ^2/NDF: 4253594.6/27

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.526+/-0.003 χ^2/NDF: 3686416.5/46

All: 21.424+/-0.002 χ^2/NDF: 9318570.1/97

- sign 21.324+/-0.003 χ^2/NDF: 5629689.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

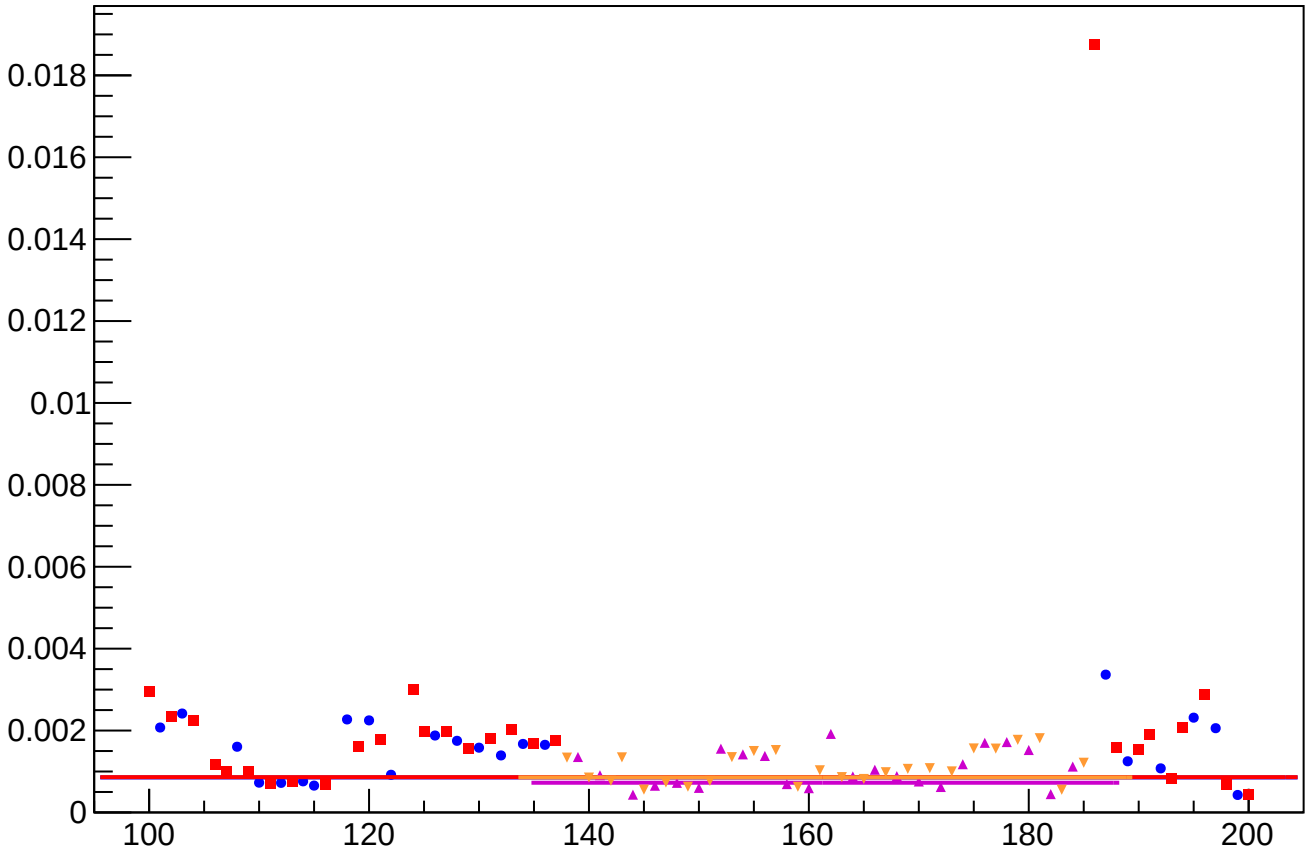
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/27

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/46

All: 0.000+/-0.000 χ^2/NDF: 102.1/97

- sign 0.000+/-0.000 χ^2/NDF: 43.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 6685312.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

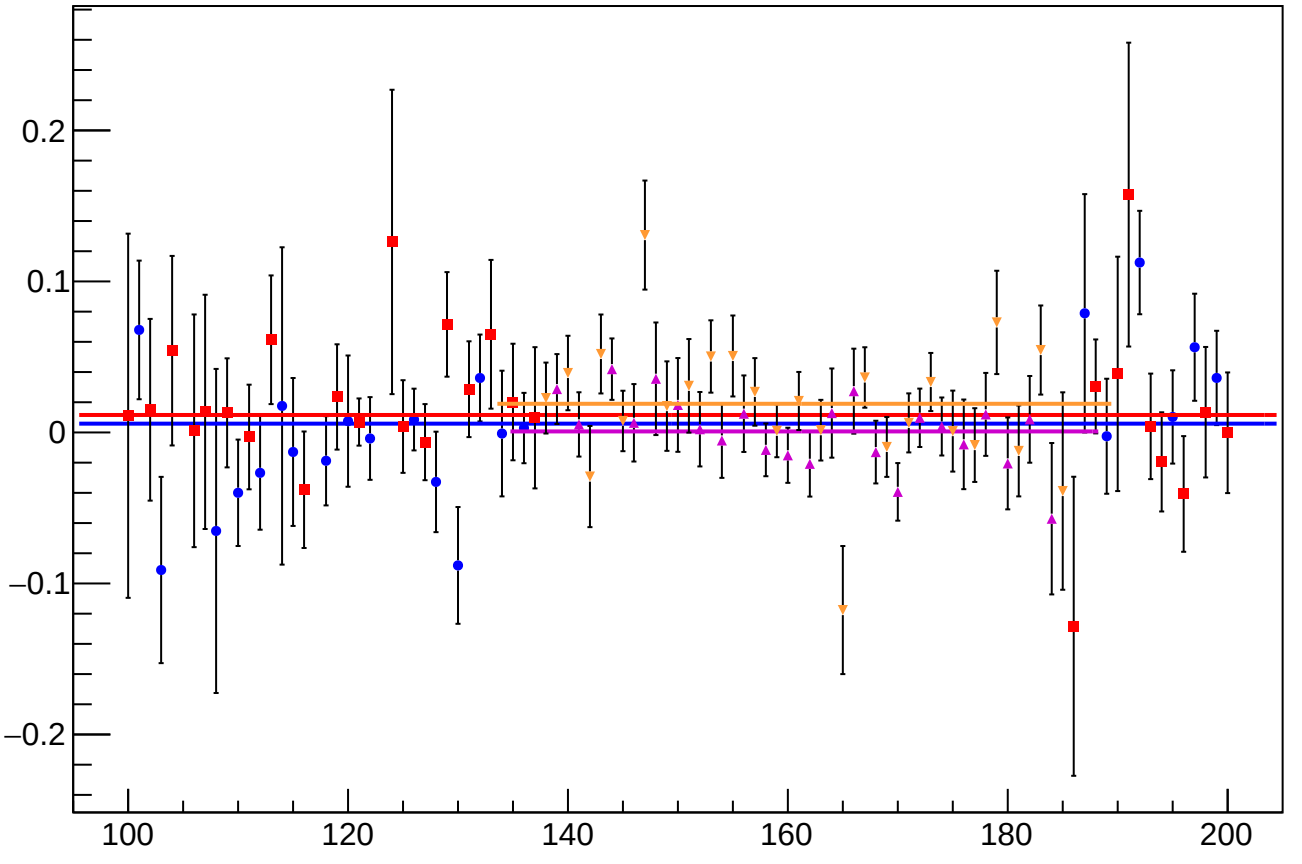
Right Out: 0.001+/-0.000 χ^2/NDF: 7486528.8/27

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 11124437.5/46

All: 0.001+/-0.000 χ^2/NDF: 25024957.3/97

- sign 0.001+/-0.000 χ^2/NDF: 13610151.7/50



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

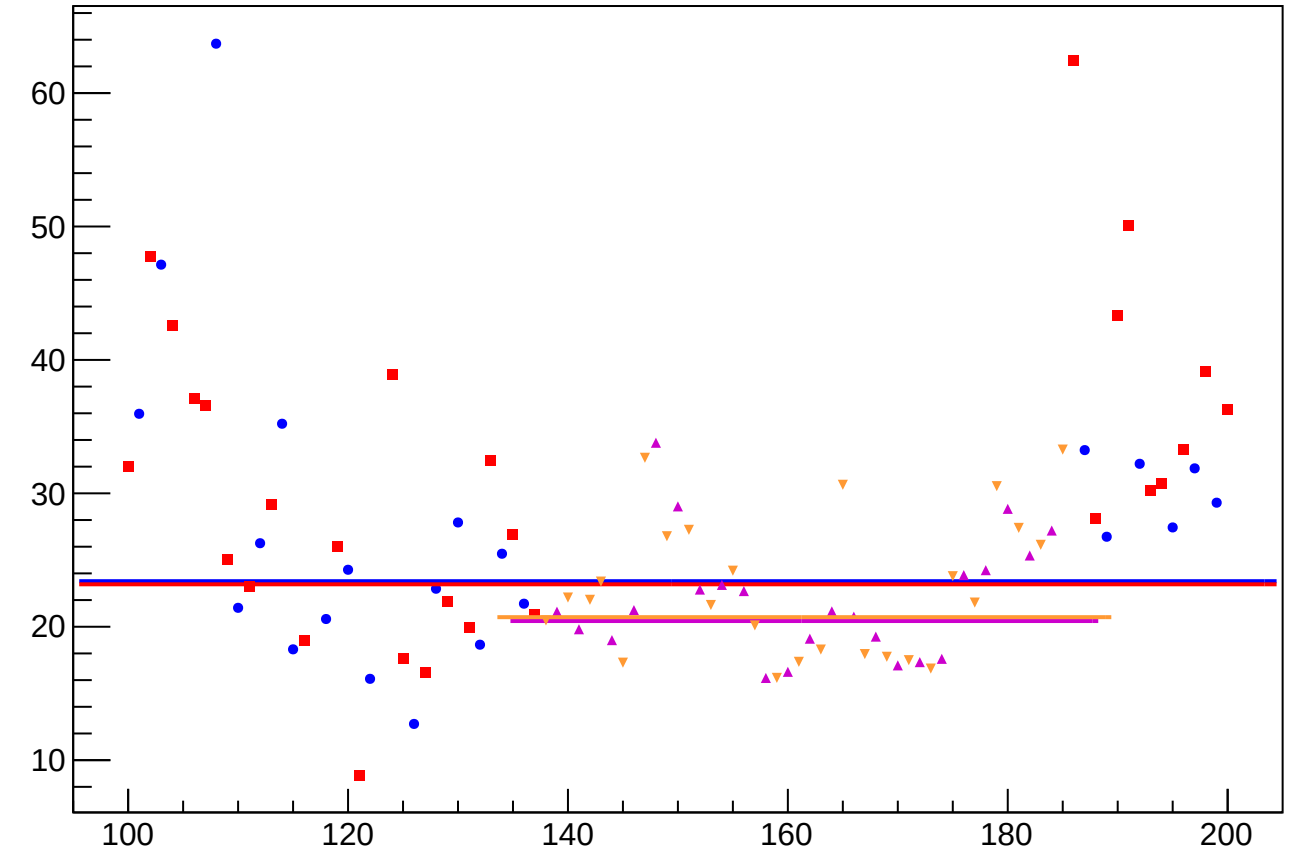
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.1/97

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

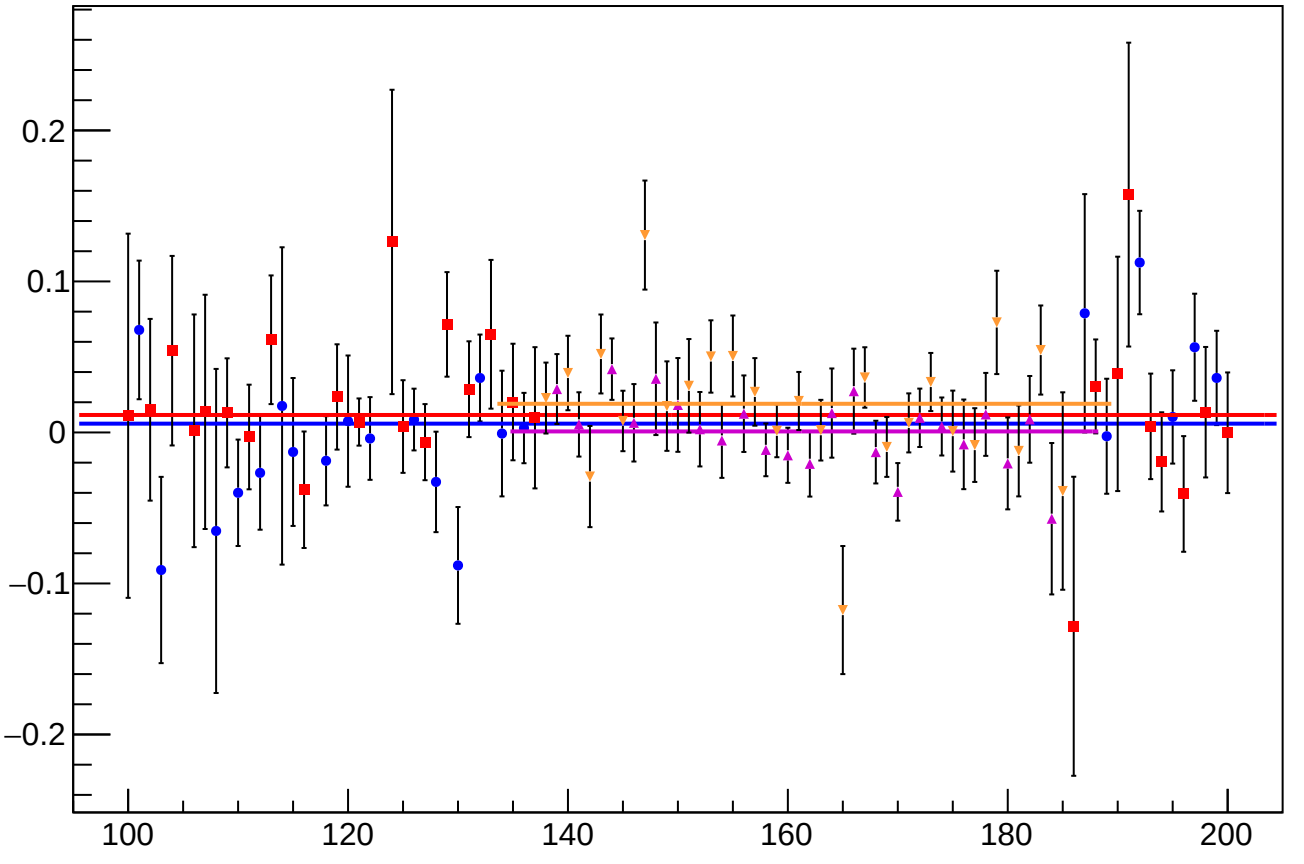
Right Out: 23.181+/-0.005 χ^2/NDF: 4253023.2/27

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.526+/-0.003 χ^2/NDF: 3686389.3/46

All: 21.424+/-0.002 χ^2/NDF: 9318091.2/97

\- sign 21.324+/-0.003 χ^2/NDF: 5629241.2/50



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

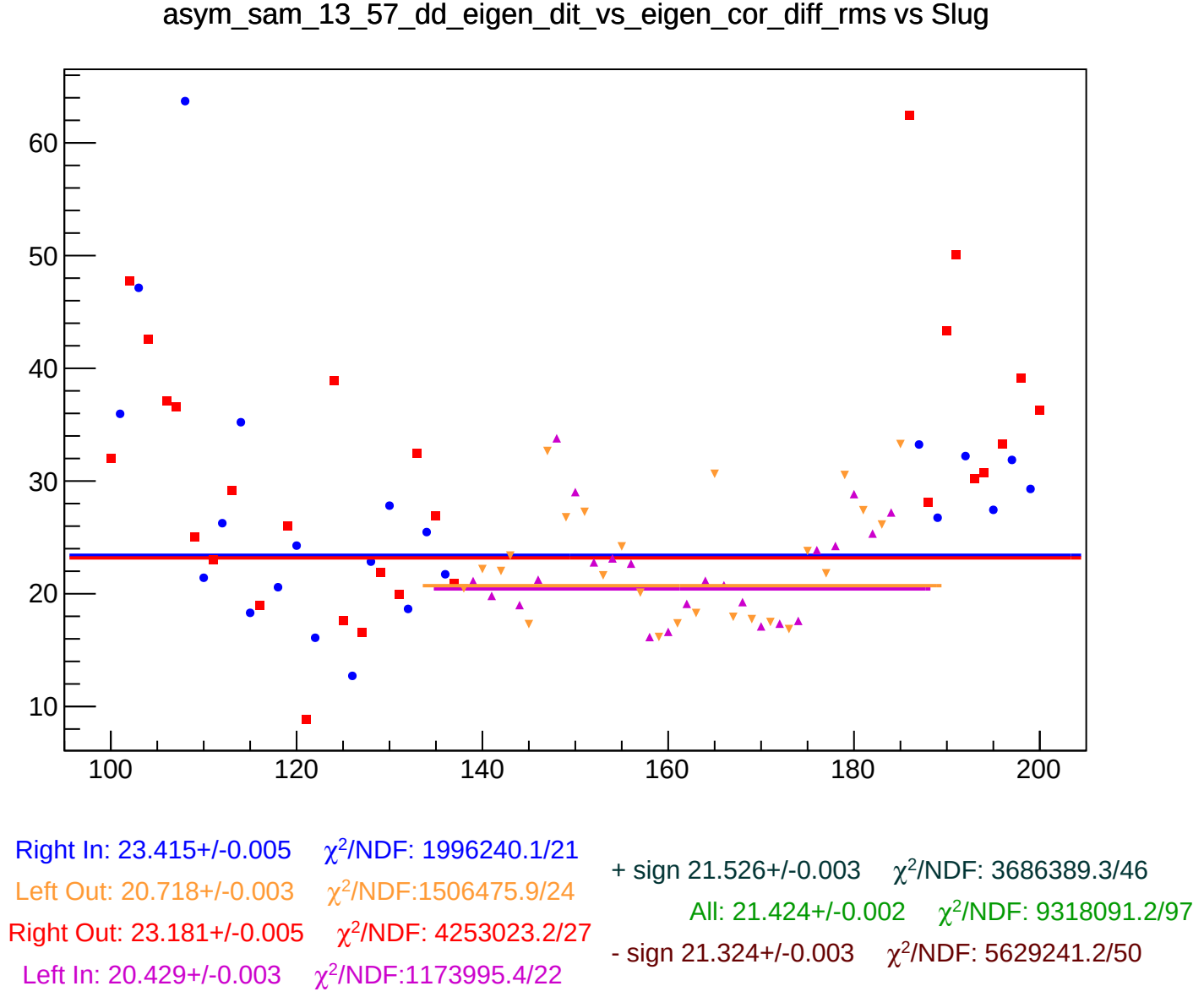
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

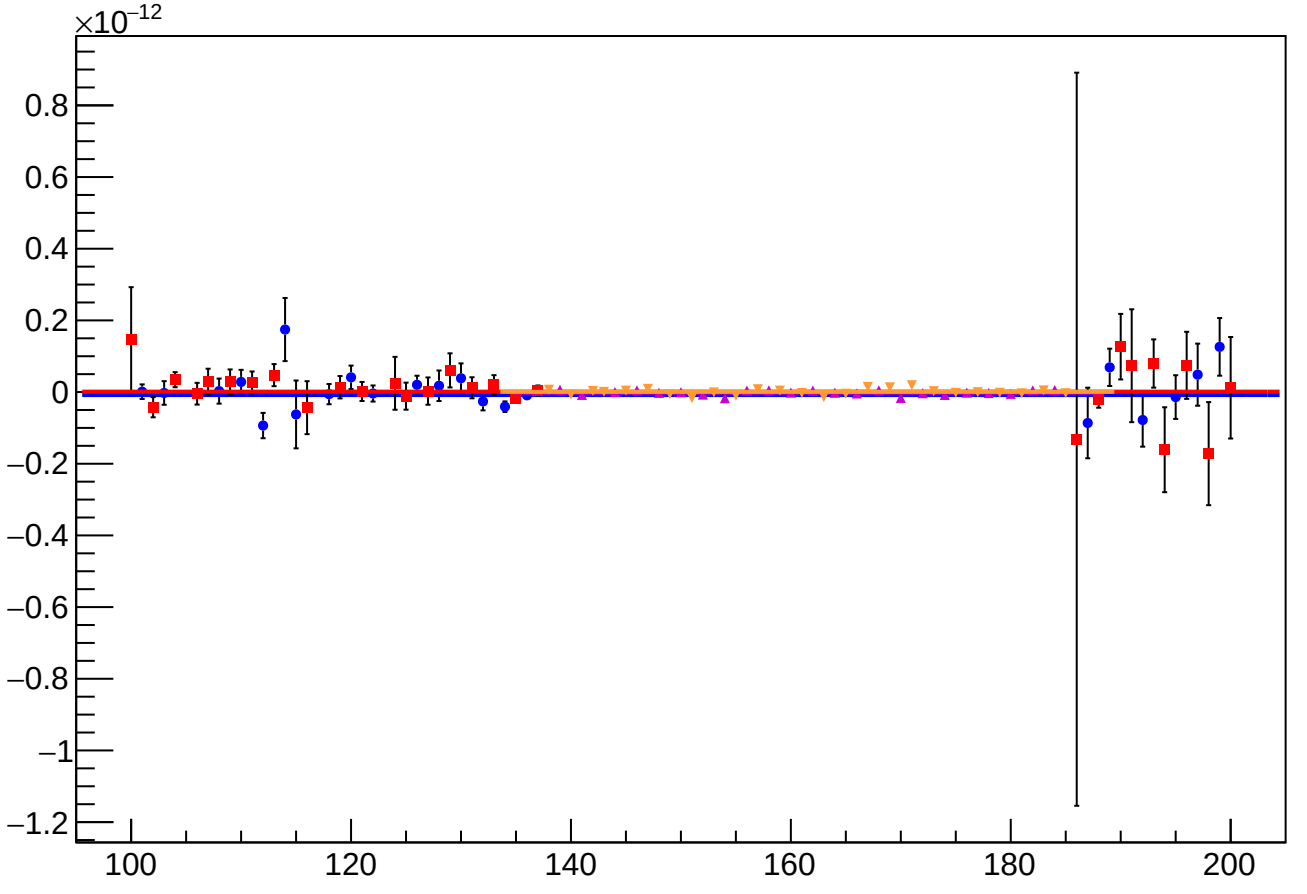
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.1/97

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50


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
200
Right In: 23.415+/-0.005 χ²/NDF: 1996240.1/21
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 23.181+/-0.005 χ²/NDF: 4253023.2/27
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 21.526+/-0.003 χ²/NDF: 3686389.3/46
All: 21.424+/-0.002 χ²/NDF: 9318091.2/97
- sign 21.324+/-0.003 χ²/NDF: 5629241.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

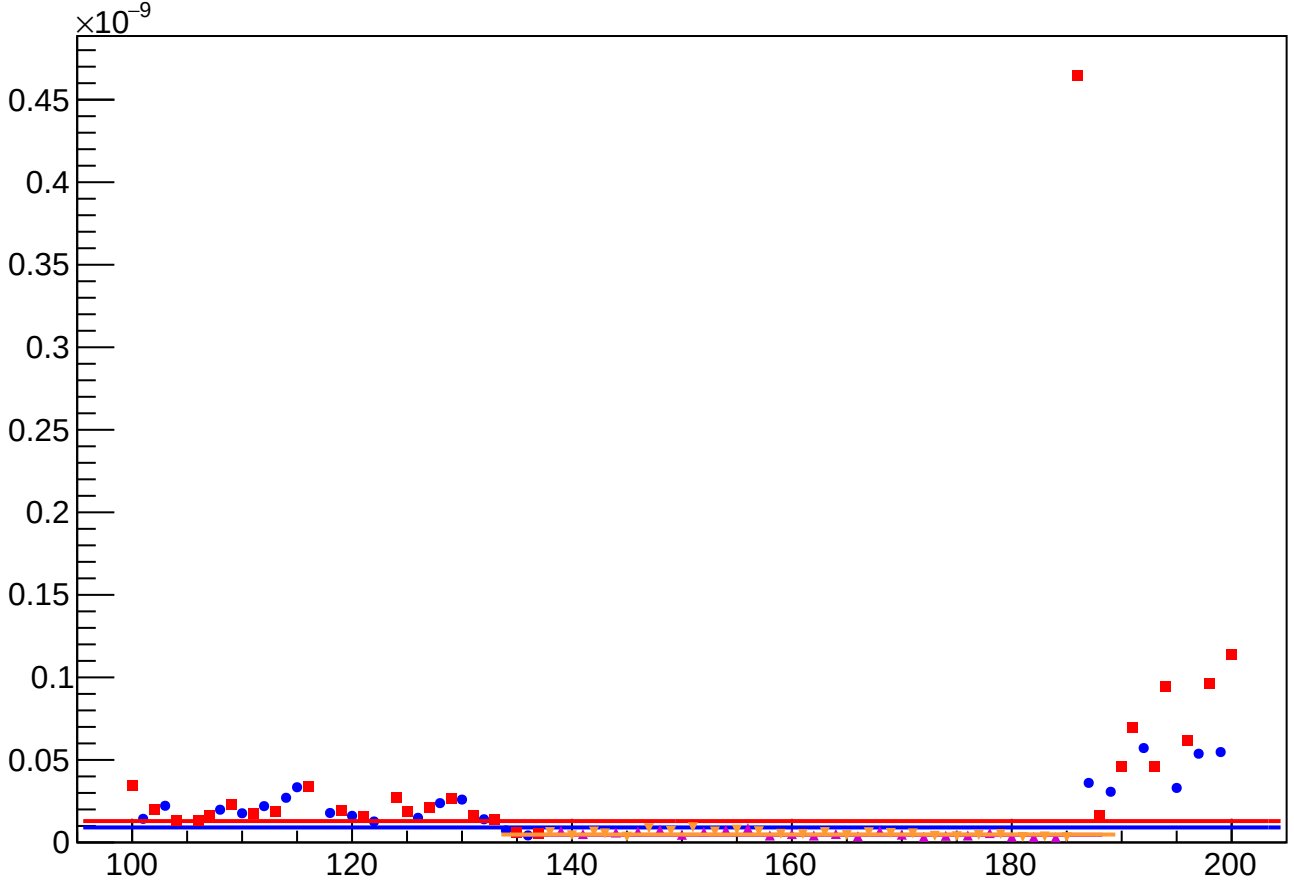
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/27

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/46

All: -0.000+/-0.000 χ^2/NDF: 109.0/97

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 6608104.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7340742.3/27

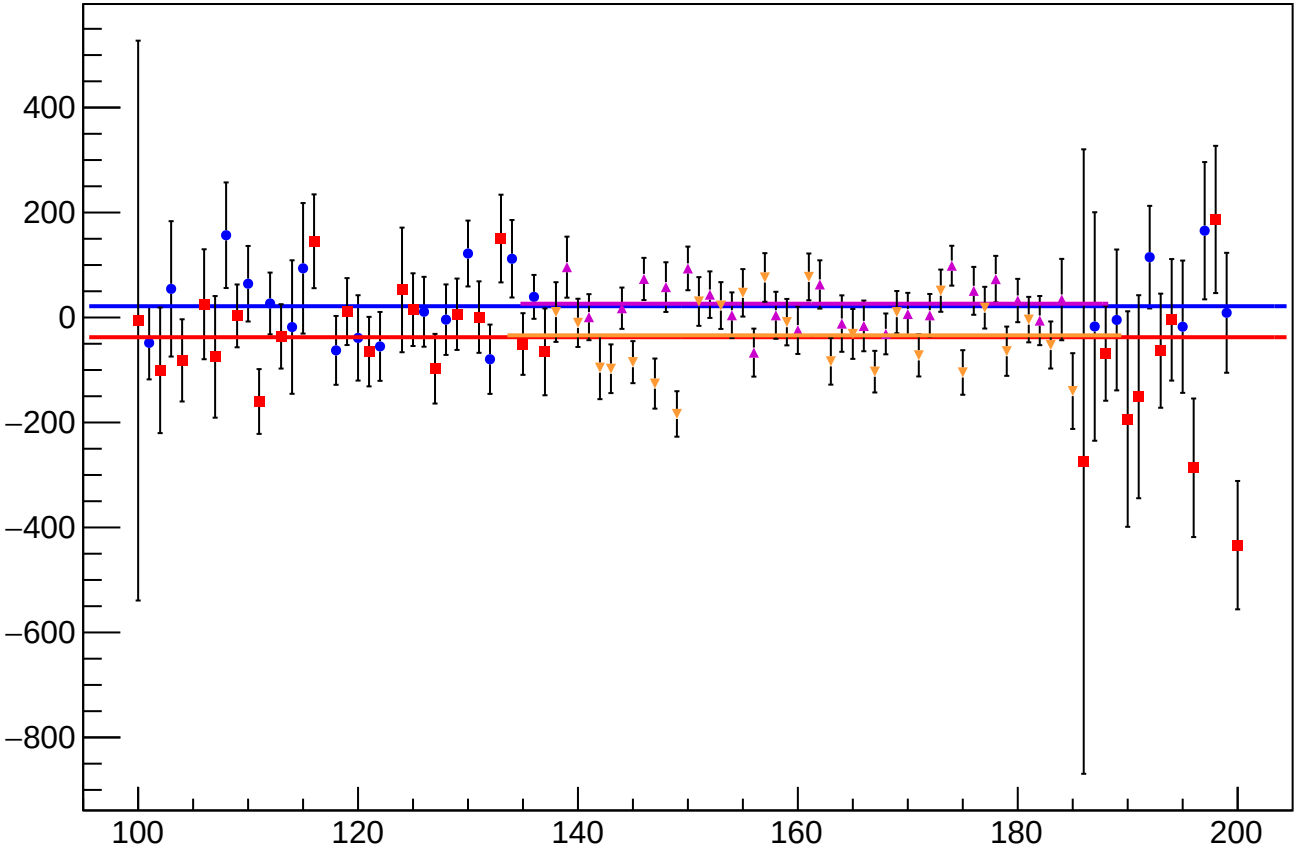
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10452170.8/46

All: 0.000+/-0.000 χ^2/NDF: 24102451.8/97

- sign 0.000+/-0.000 χ^2/NDF: 13647770.9/50

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 21.520+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -37.533+/-16.143 χ^2/NDF: 36.3/27

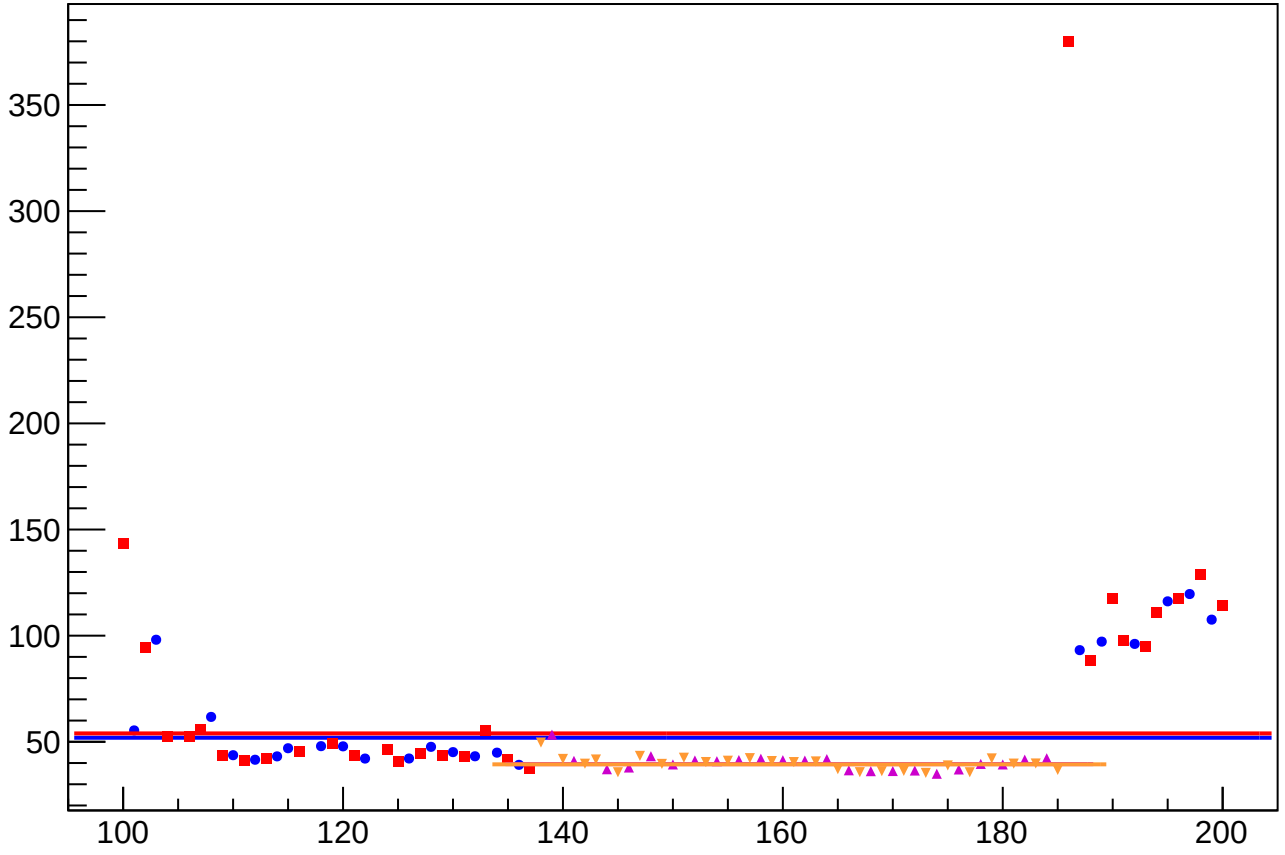
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

\+ sign -21.295+/-7.901 χ^2/NDF: 83.7/46

All: -5.703+/-5.635 χ^2/NDF: 162.1/97

\- sign 10.442+/-8.040 χ^2/NDF: 70.5/50

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991646.5/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

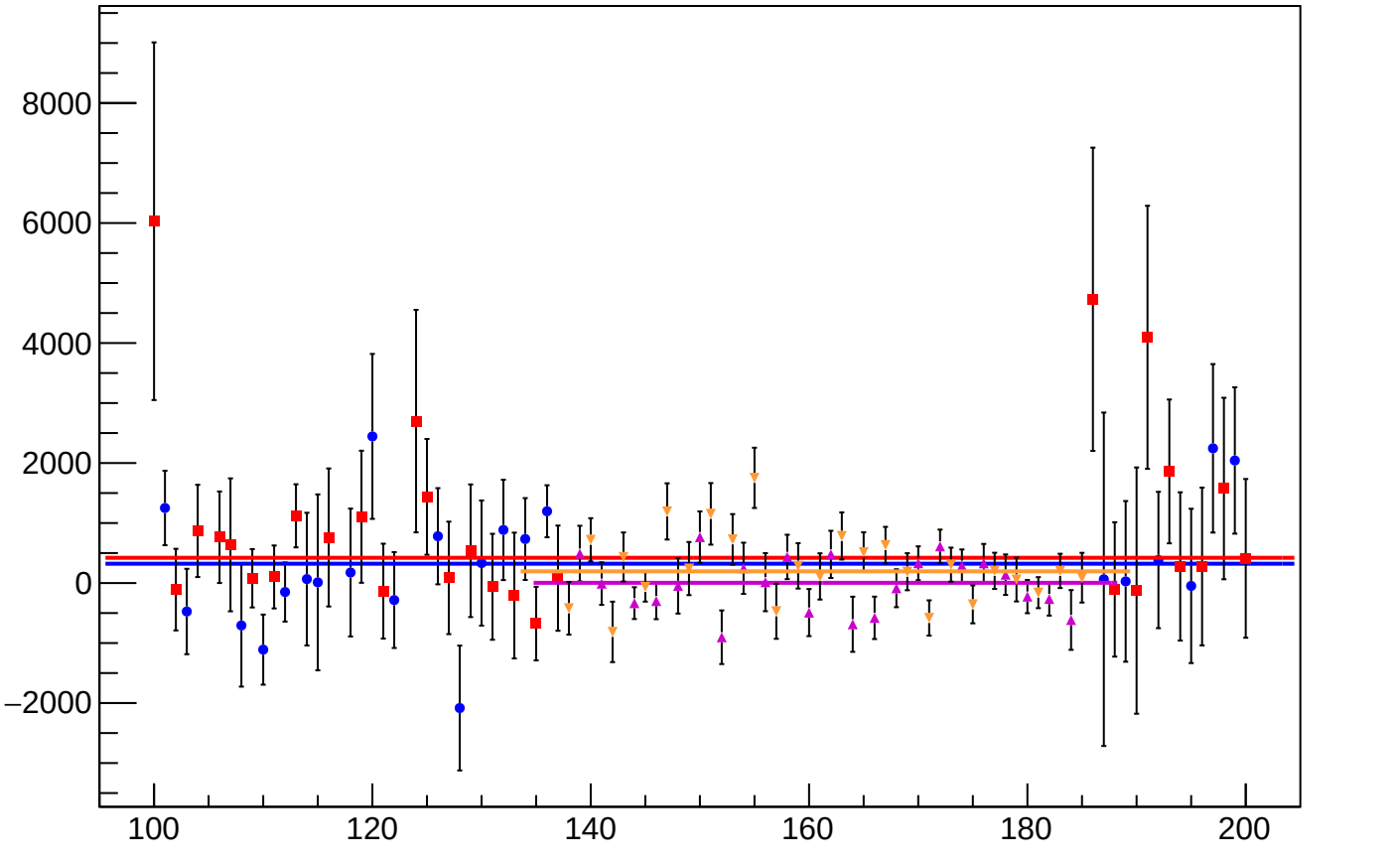
Right Out: 53.953+/-0.011 χ^2/NDF: 4440702.3/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.243+/-0.006 χ^2/NDF: 4107052.7/46

All: 42.653+/-0.004 χ^2/NDF: 10017580.0/97

- sign 43.078+/-0.006 χ^2/NDF: 5899554.1/50



Right In: 322.292+/-175.686 χ^2/NDF: 29.1/21

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 420.918+/-169.103 χ^2/NDF: 23.1/27

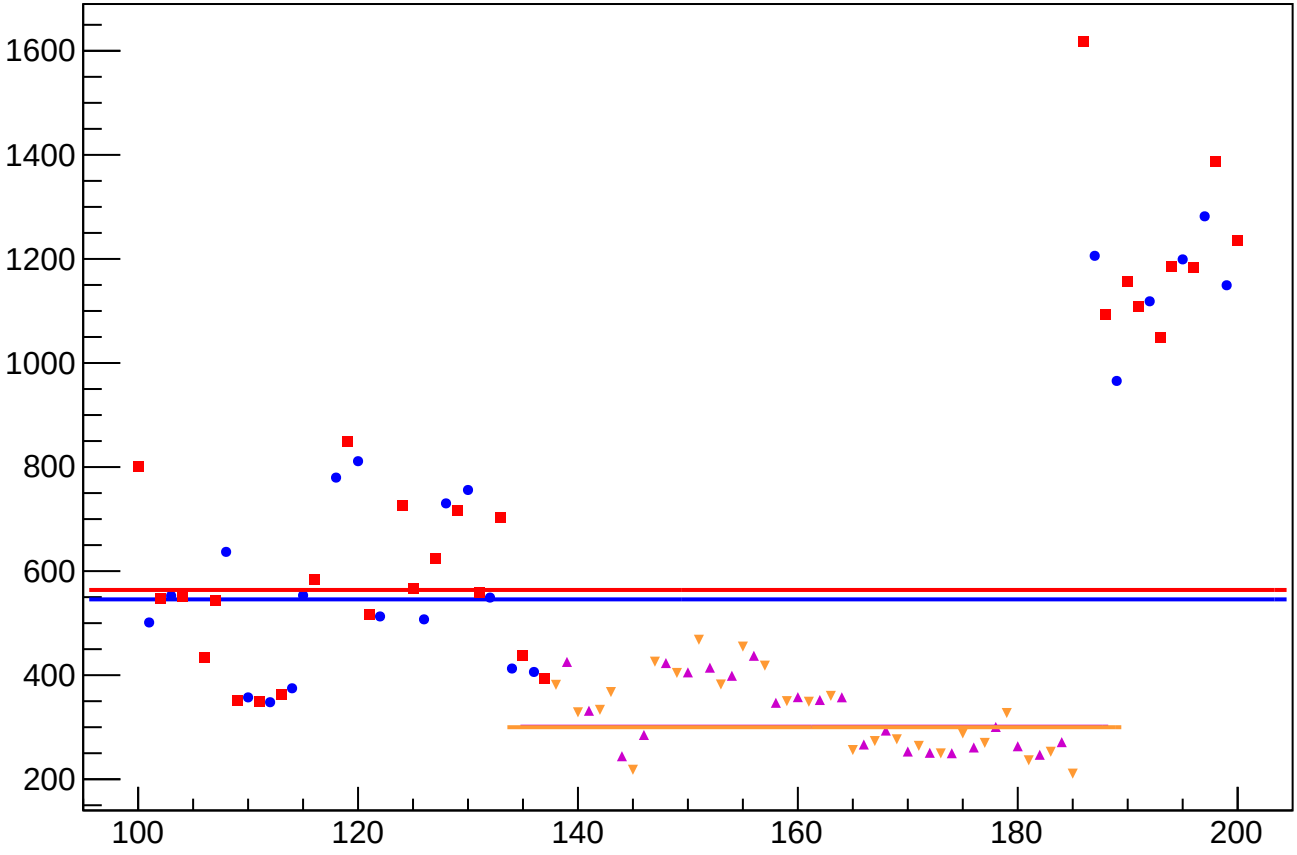
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 212.504+/-65.103 χ^2/NDF: 78.1/46

All: 141.476+/-46.428 χ^2/NDF: 141.2/97

- sign 67.966+/-66.230 χ^2/NDF: 60.7/50

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 545.671+/-0.124 χ^2/NDF: 3585629.5/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 563.791+/-0.120 χ^2/NDF: 4952314.6/27

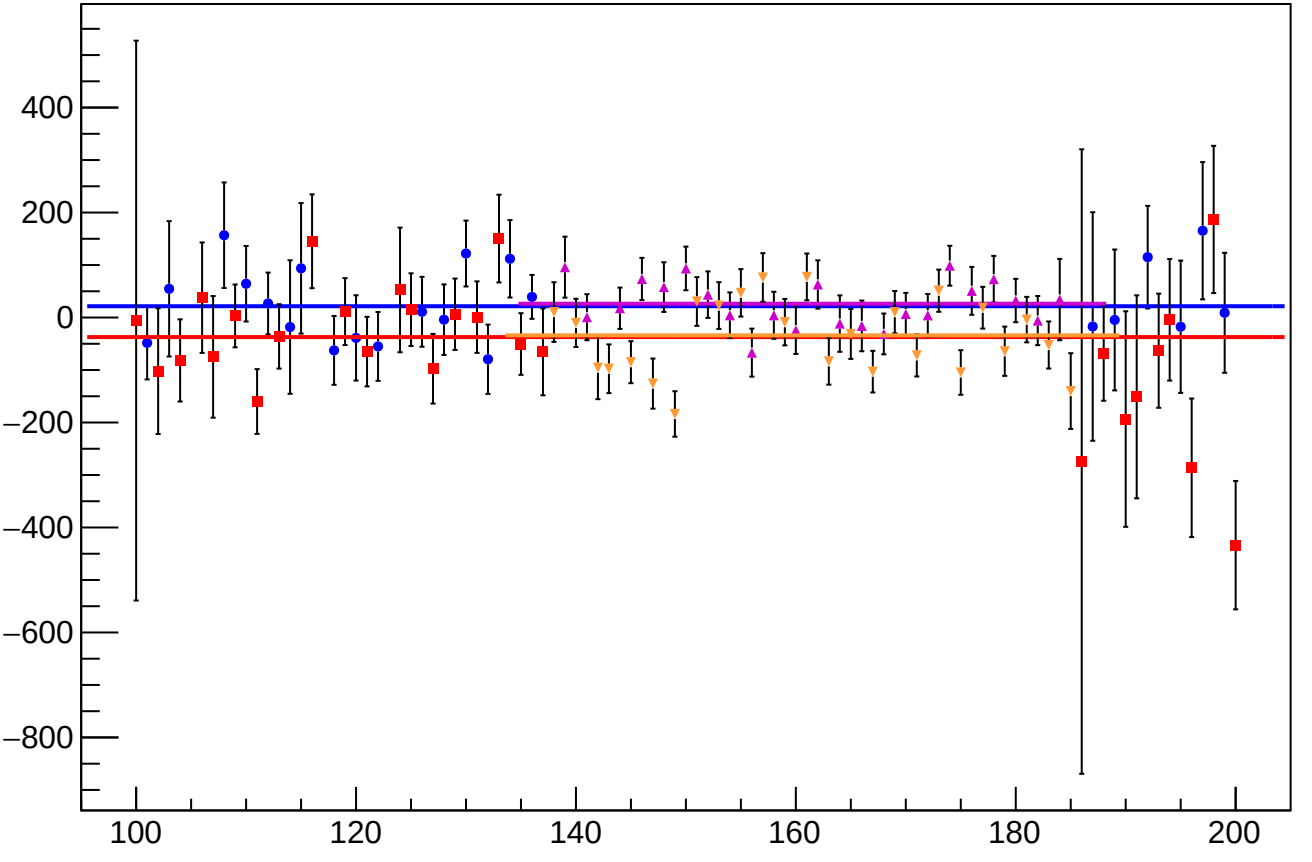
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 333.715+/-0.046 χ^2/NDF: 8768530.9/46

All: 337.447+/-0.033 χ^2/NDF: 19230560.8/97

- sign 341.311+/-0.047 χ^2/NDF: 10448649.4/50

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -37.281+/-16.145 χ^2/NDF: 36.4/27

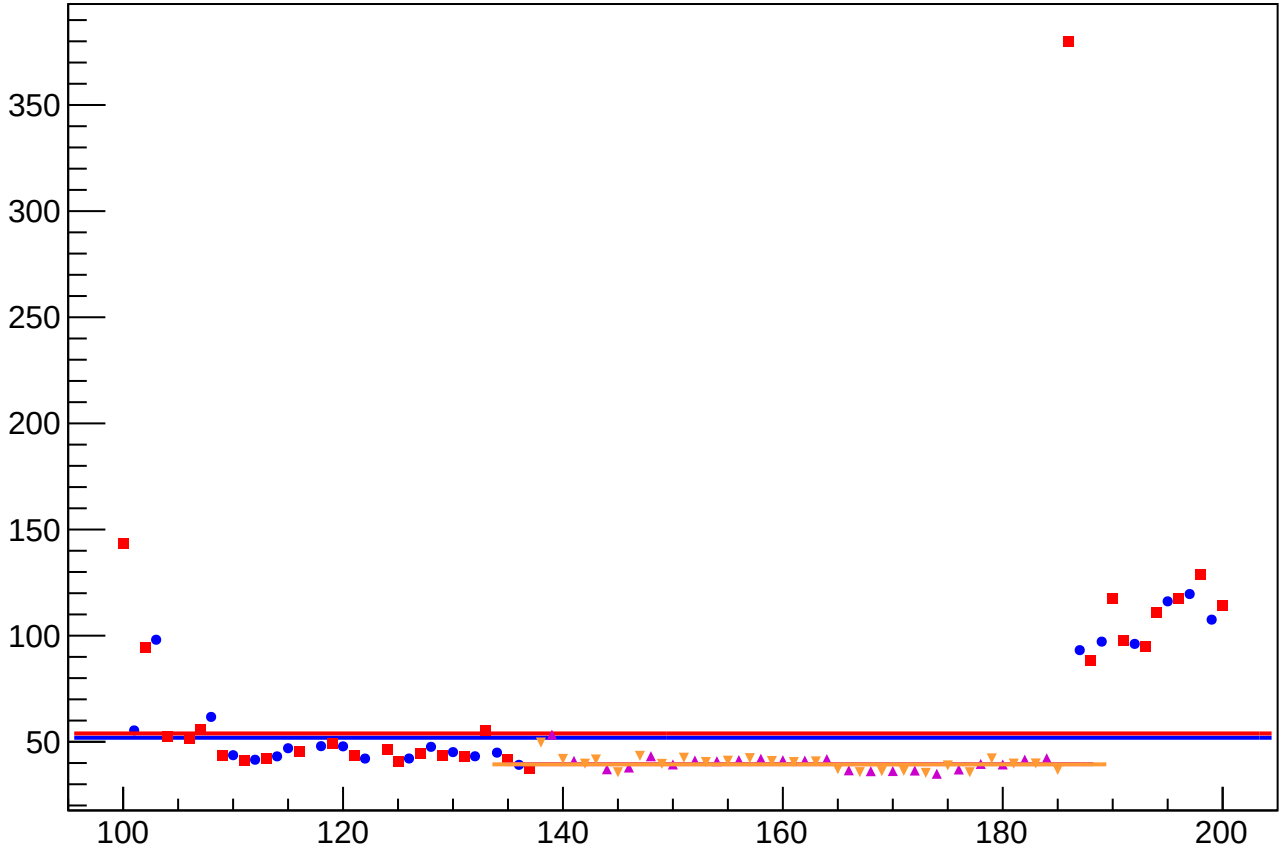
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.294+/-7.901 χ^2/NDF: 83.7/46

All: -5.671+/-5.635 χ^2/NDF: 162.2/97

- sign 10.507+/-8.040 χ^2/NDF: 70.6/50

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

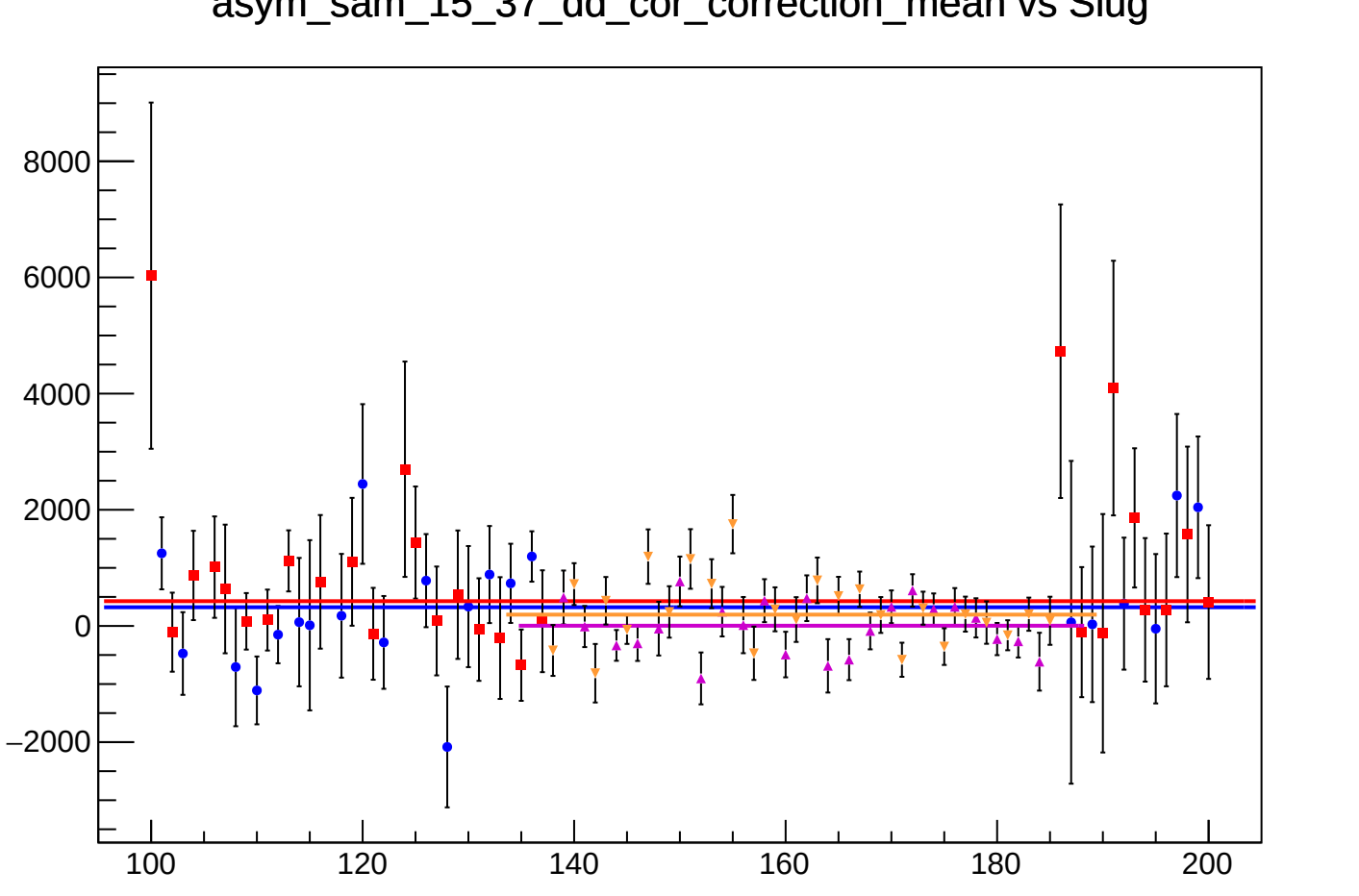
Right Out: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.243+/-0.006 χ^2/NDF: 4107055.6/46

All: 42.651+/-0.004 χ^2/NDF: 10014867.7/97

- sign 43.073+/-0.006 χ^2/NDF: 5896977.7/50



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 426.603+/-170.102 χ^2/NDF: 23.4/27

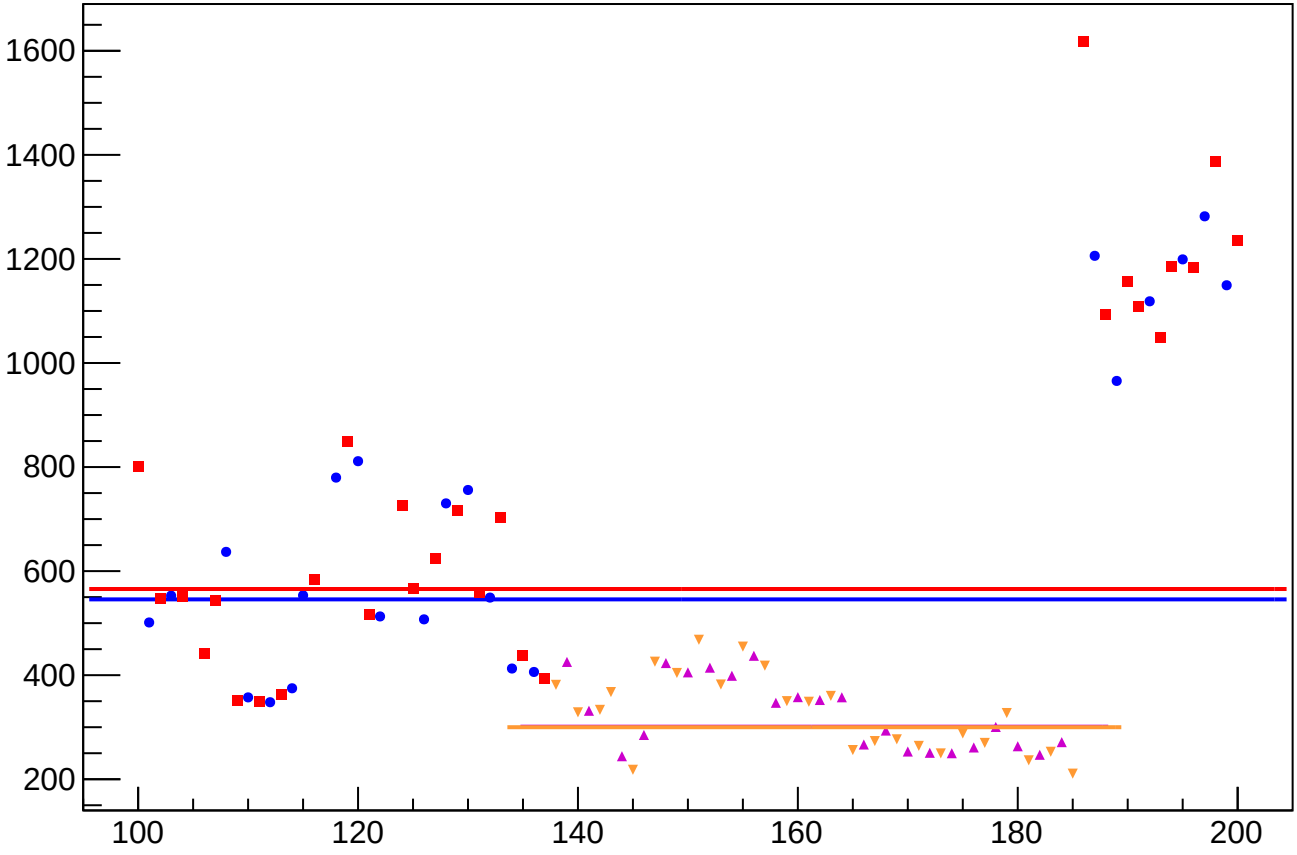
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 212.504+/-65.103 χ^2/NDF: 78.1/46

All: 141.653+/-46.449 χ^2/NDF: 141.6/97

- sign 68.194+/-66.290 χ^2/NDF: 61.0/50

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

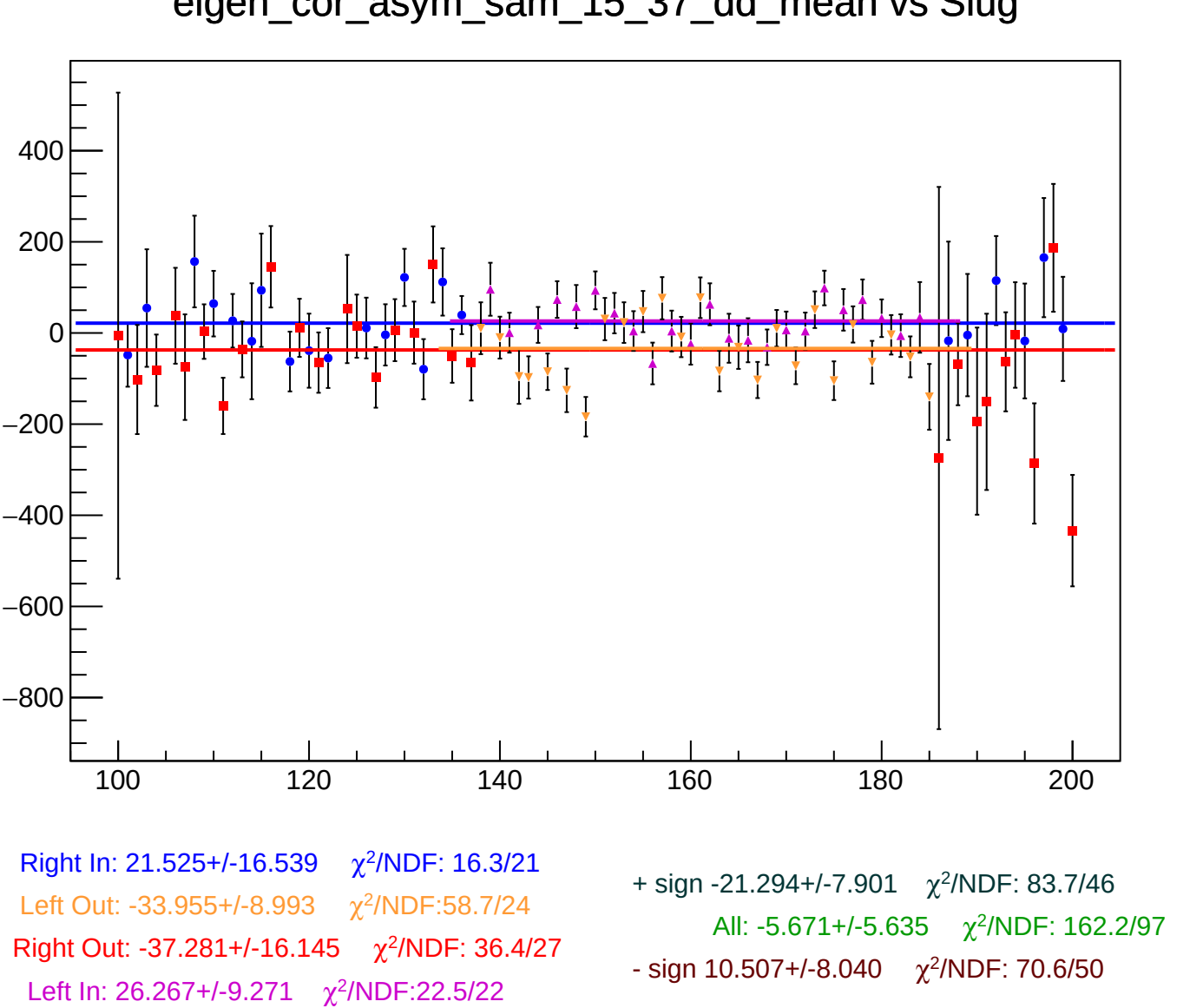
Right Out: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

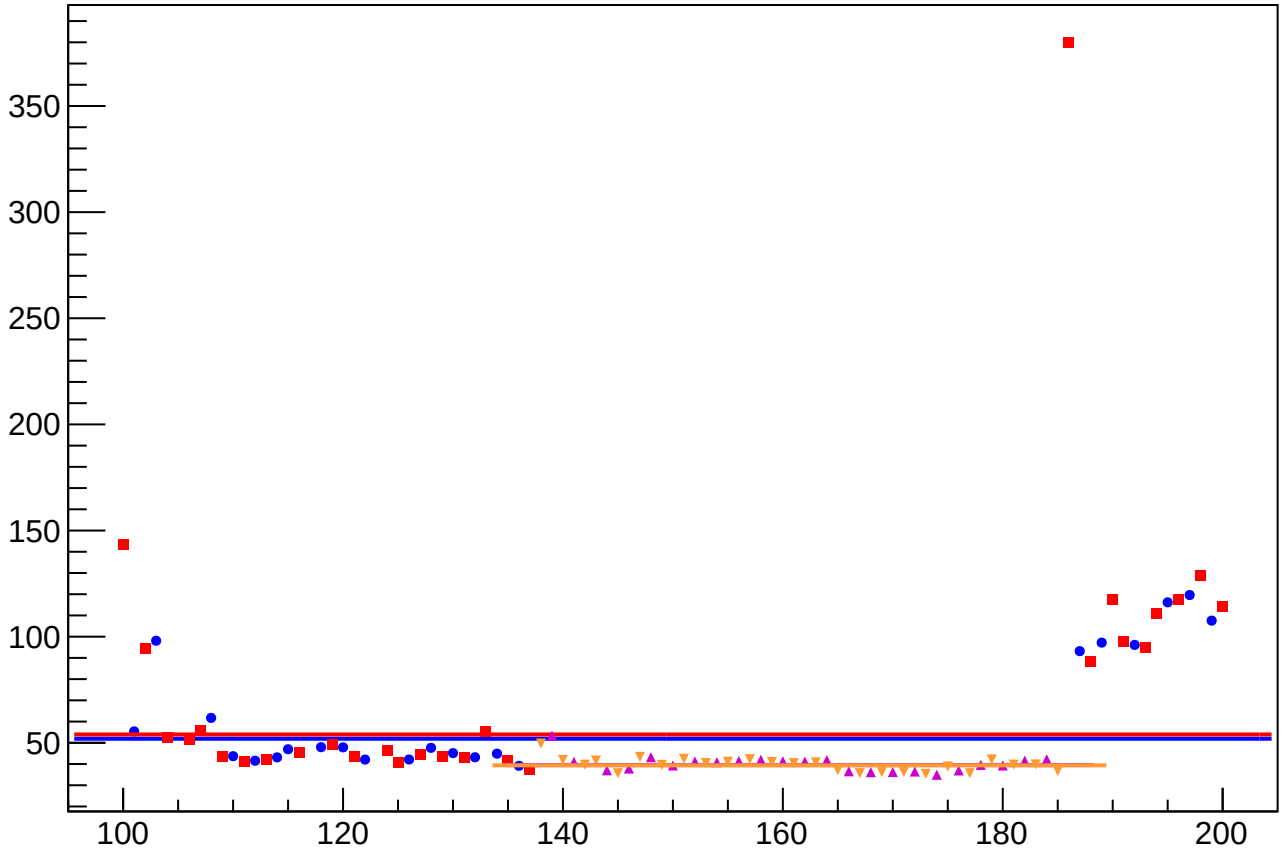
+ sign 333.715+/-0.046 χ^2/NDF: 8768572.7/46

All: 337.384+/-0.033 χ^2/NDF: 19227296.4/97

- sign 341.188+/-0.047 χ^2/NDF: 10445785.0/50


eigen_cor_asym_sam_15_37_dd_mean vs Slug
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 21.525+/-16.539 χ²/NDF: 16.3/21
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: -37.281+/-16.145 χ²/NDF: 36.4/27
Left In: 26.267+/-9.271 χ²/NDF:22.5/22
+ sign -21.294+/-7.901 χ²/NDF: 83.7/46
All: -5.671+/-5.635 χ²/NDF: 162.2/97
- sign 10.507+/-8.040 χ²/NDF: 70.6/50

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

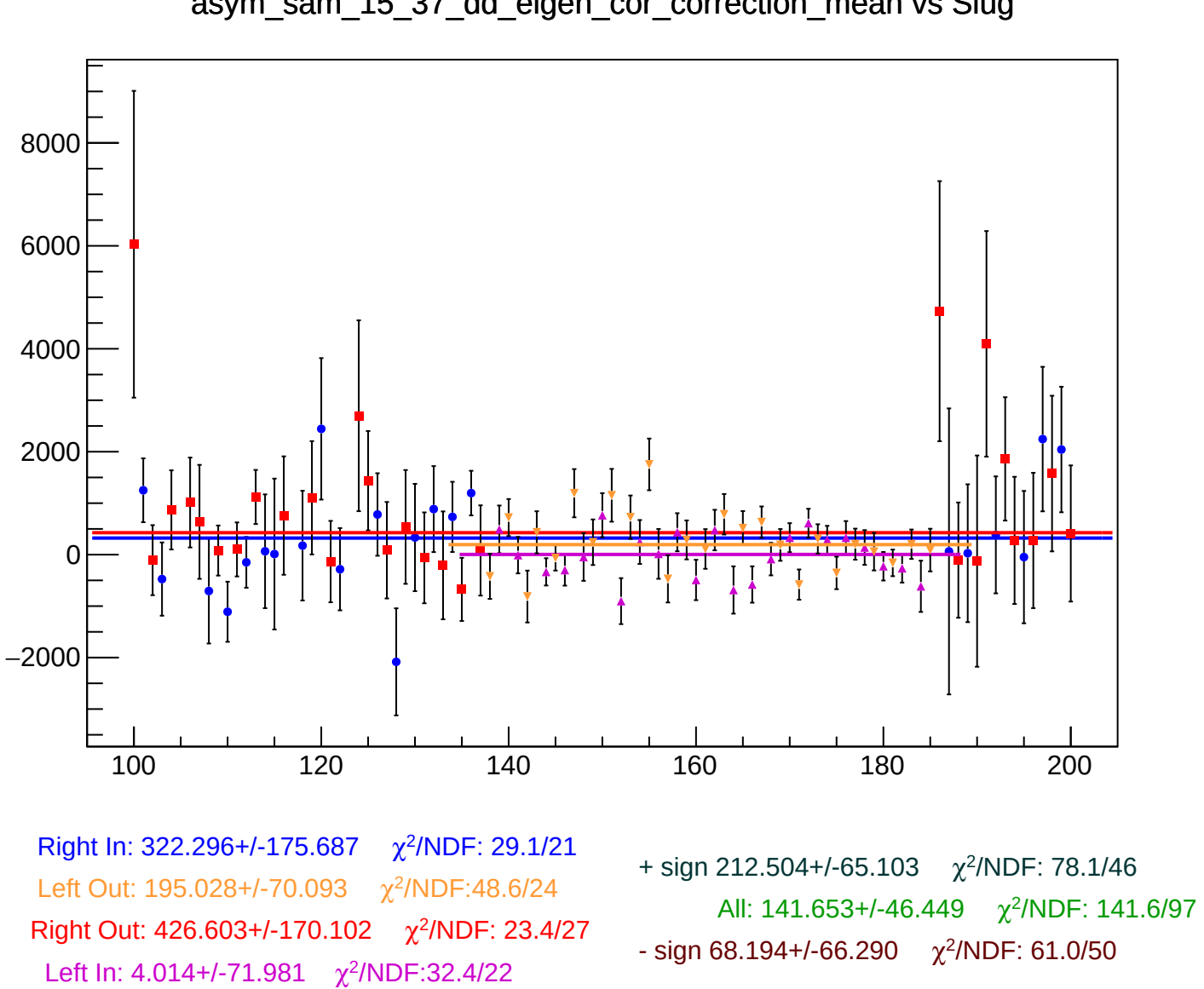
Right Out: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

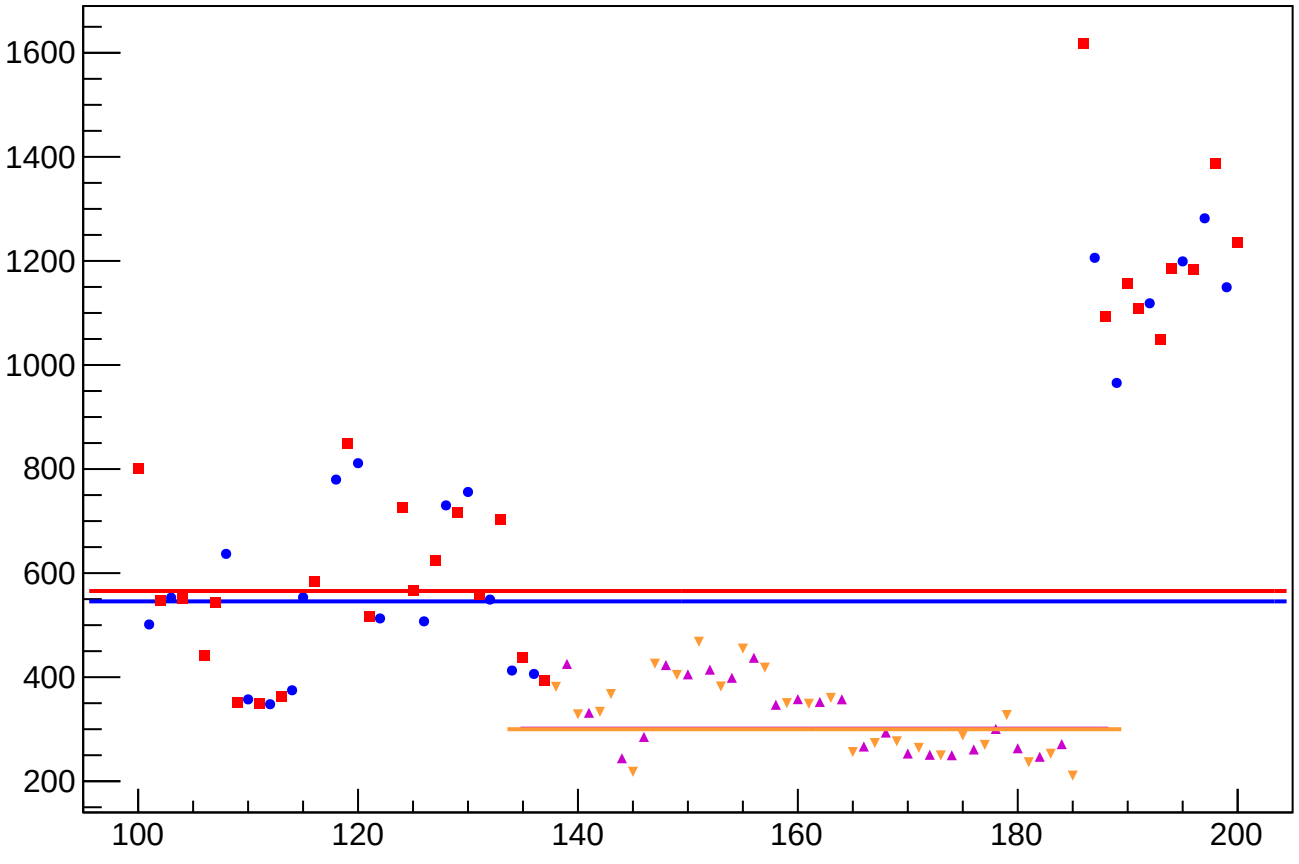
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.243+/-0.006 χ^2/NDF: 4107055.6/46

All: 42.651+/-0.004 χ^2/NDF: 10014867.7/97

- sign 43.073+/-0.006 χ^2/NDF: 5896977.7/50


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 322.296+/-175.687 χ²/NDF: 29.1/21
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 426.603+/-170.102 χ²/NDF: 23.4/27
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 212.504+/-65.103 χ²/NDF: 78.1/46
All: 141.653+/-46.449 χ²/NDF: 141.6/97
- sign 68.194+/-66.290 χ²/NDF: 61.0/50



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

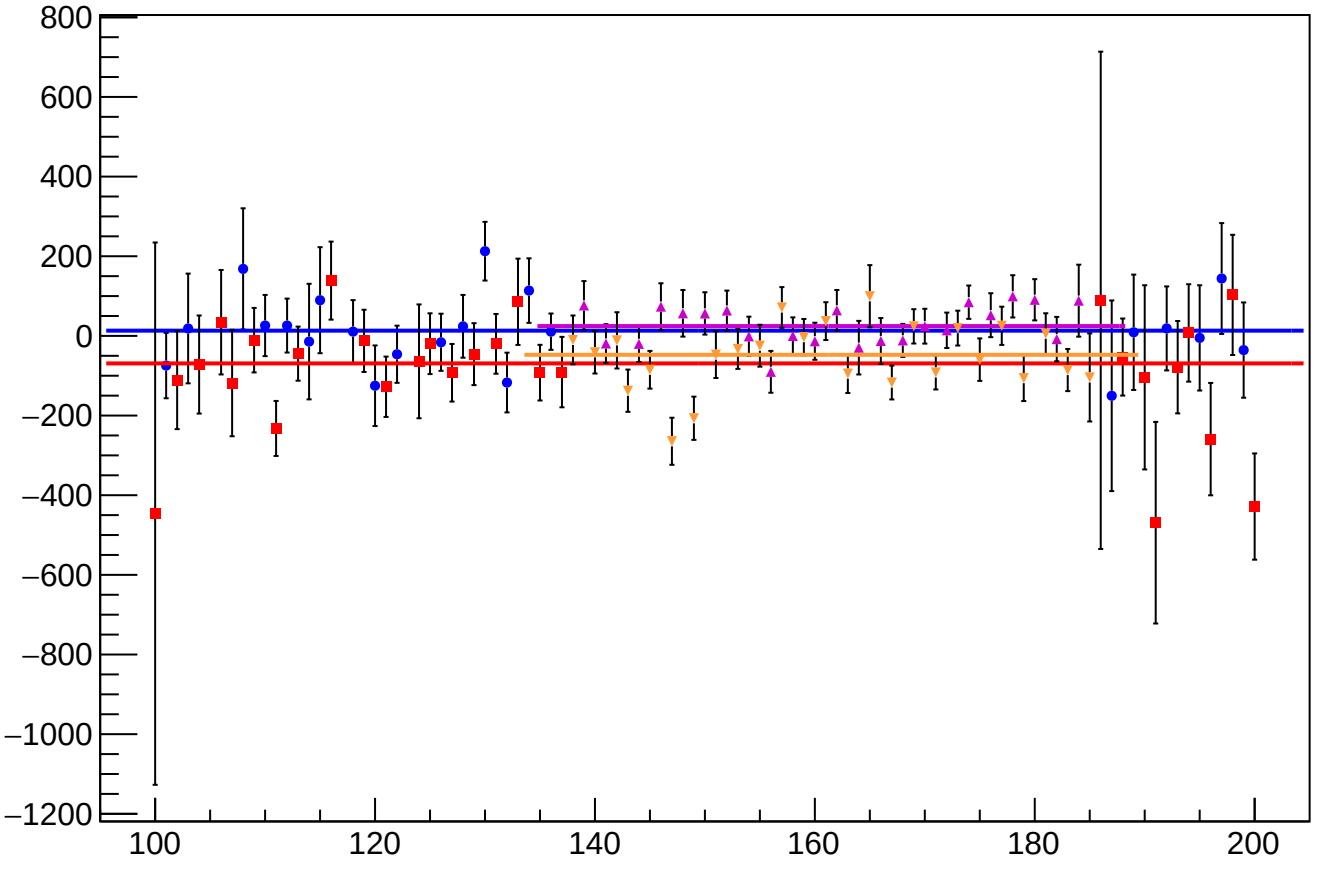
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 333.715+/-0.046 χ^2/NDF: 8768572.7/46

All: 337.384+/-0.033 χ^2/NDF: 19227296.4/97

- sign 341.188+/-0.047 χ^2/NDF: 10445785.0/50

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -69.056+/-18.641 χ^2/NDF: 29.7/27

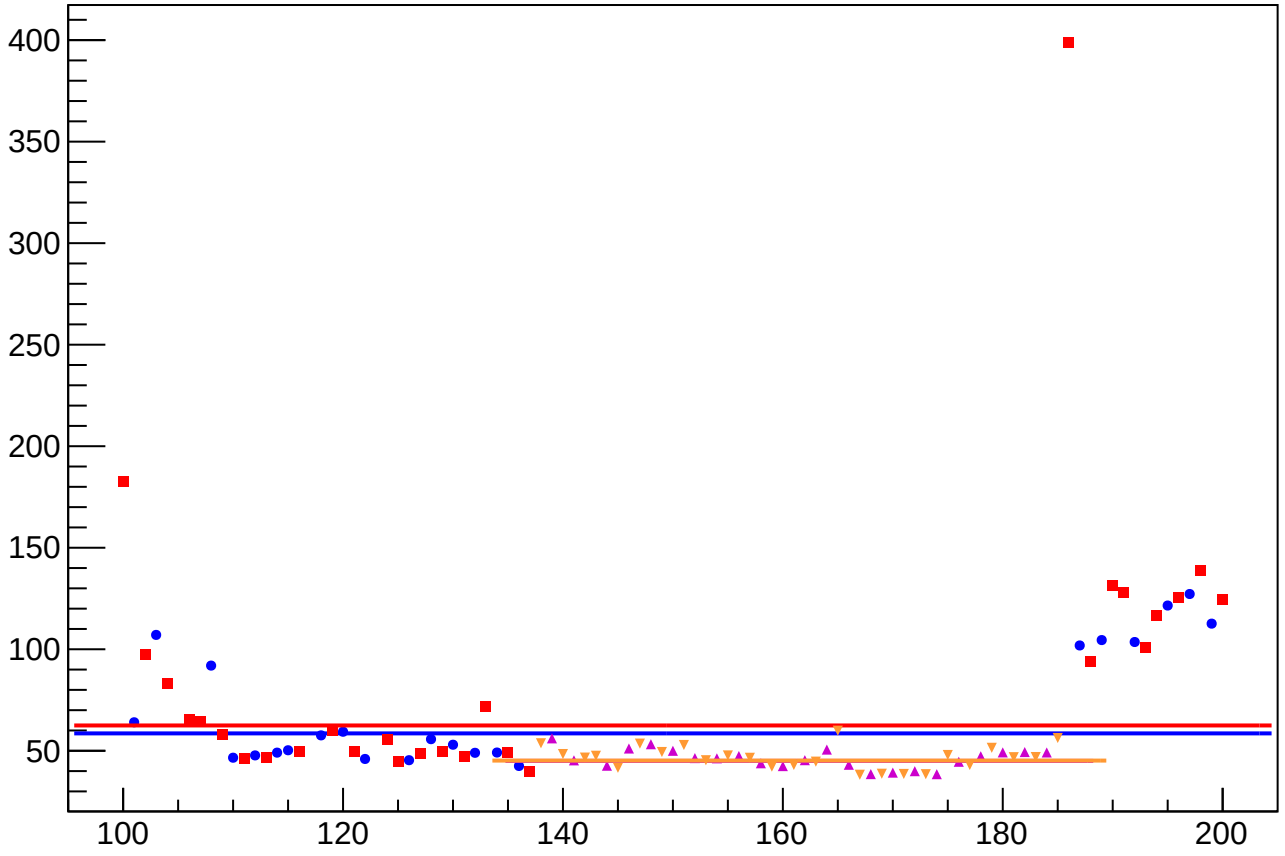
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.120+/-9.079 χ^2/NDF: 81.5/46

All: -16.098+/-6.481 χ^2/NDF: 157.1/97

- sign 1.585+/-9.254 χ^2/NDF: 68.5/50

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 58.569+/-0.013 χ^2/NDF: 2901153.0/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 62.475+/-0.013 χ^2/NDF: 4208663.2/27

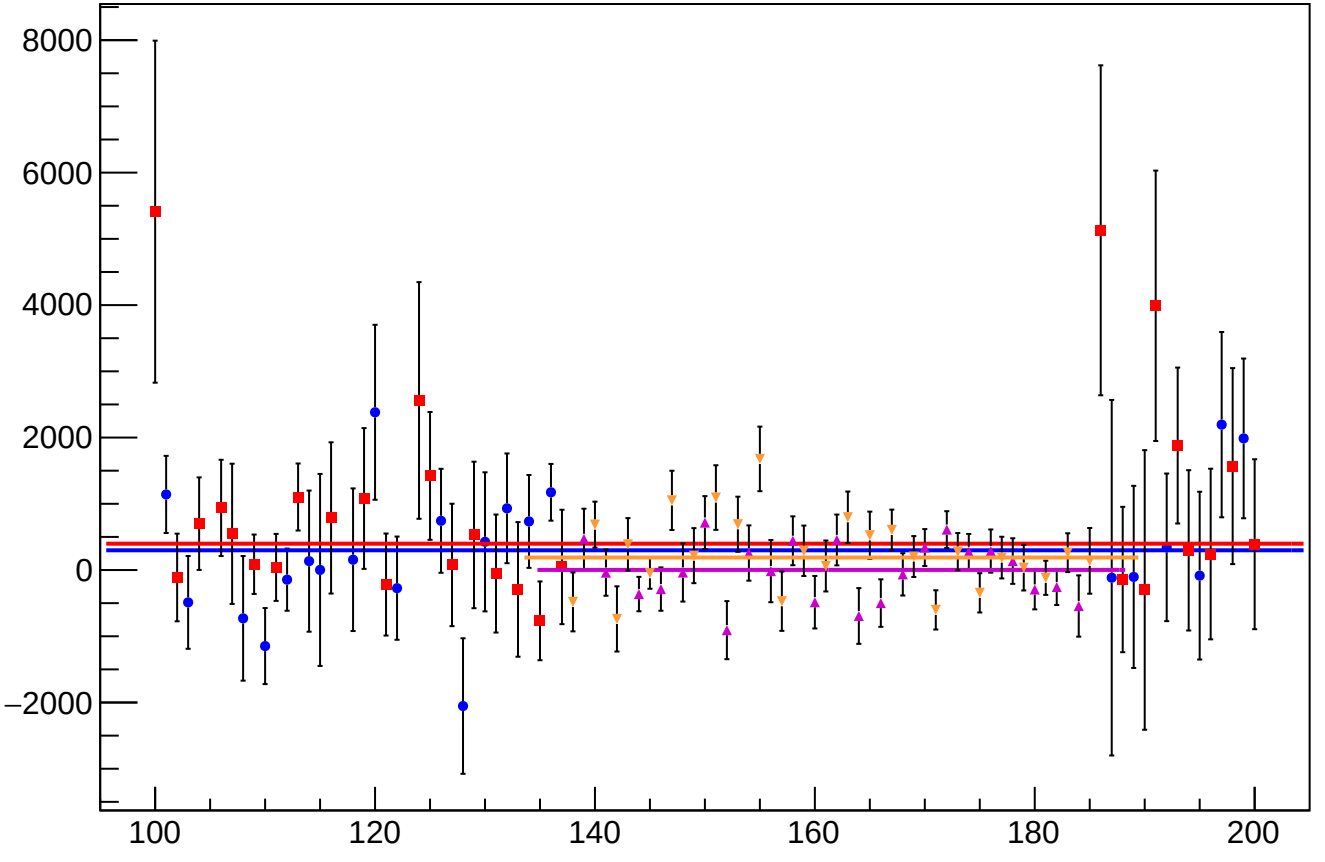
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 48.346+/-0.006 χ^2/NDF: 4177492.1/46

All: 48.823+/-0.005 χ^2/NDF: 10091979.3/97

- sign 49.319+/-0.007 χ^2/NDF: 5903205.1/50

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 298.097+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 397.682+/-162.872 χ^2/NDF: 25.9/27

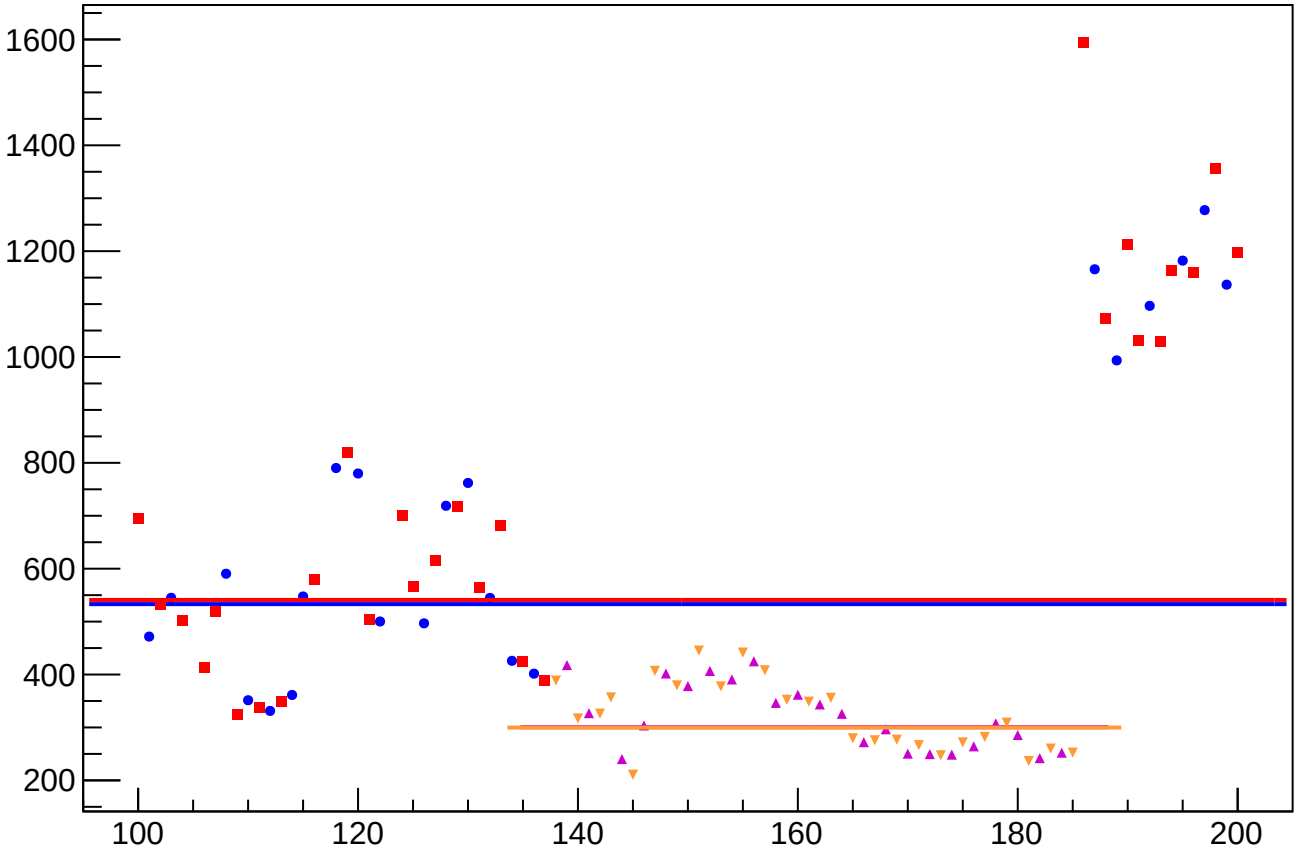
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 204.256+/-64.600 χ^2/NDF: 76.8/46

All: 136.205+/-46.040 χ^2/NDF: 142.2/97

- sign 65.963+/-65.632 χ^2/NDF: 63.1/50

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 533.026+/-0.122 χ^2/NDF: 3681252.0/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 540.930+/-0.115 χ^2/NDF: 5167393.6/27

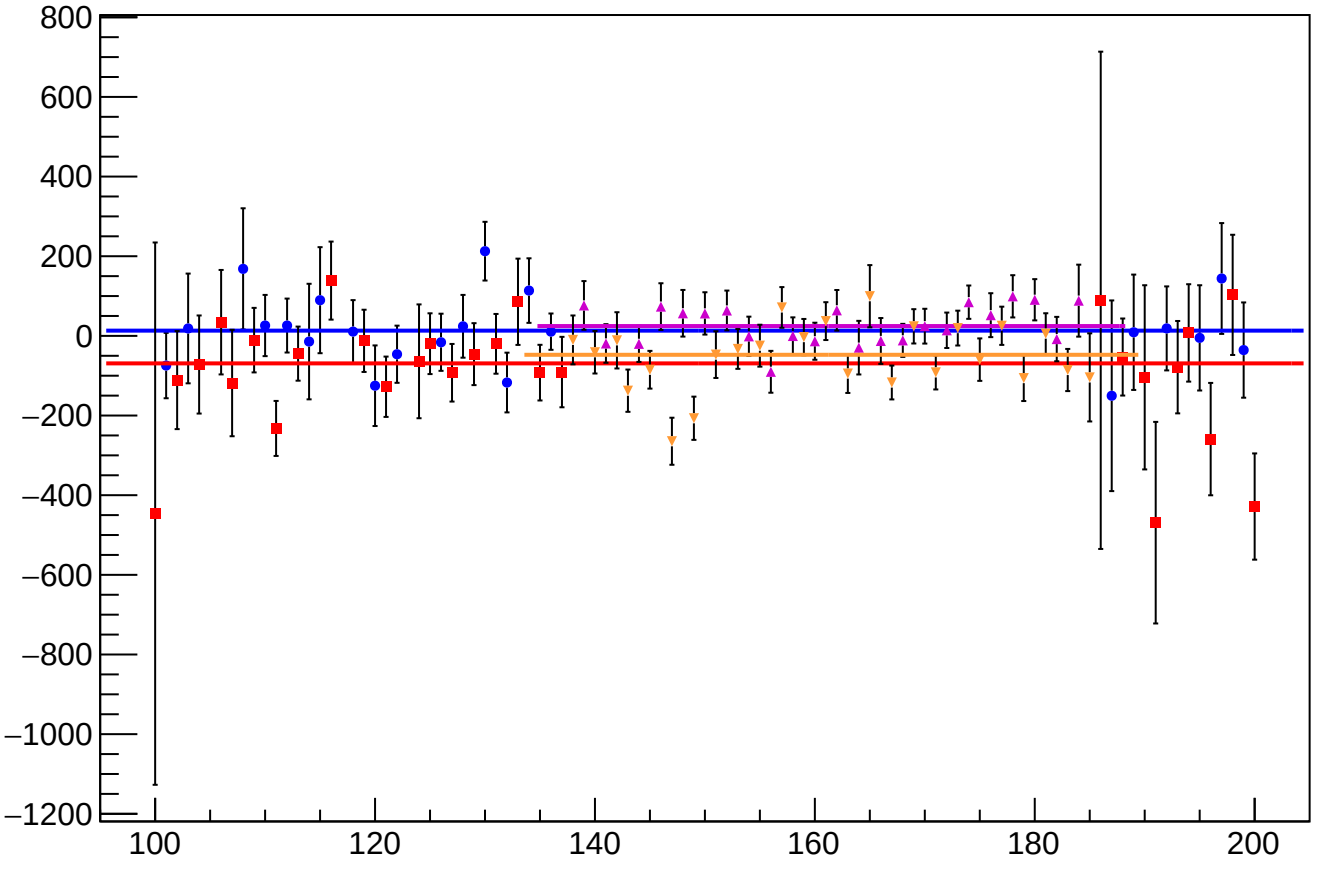
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 332.757+/-0.046 χ^2/NDF: 8422007.4/46

All: 336.114+/-0.033 χ^2/NDF: 18508868.4/97

- sign 339.579+/-0.046 χ^2/NDF: 10075886.8/50

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -69.056+/-18.641 χ^2/NDF: 29.7/27

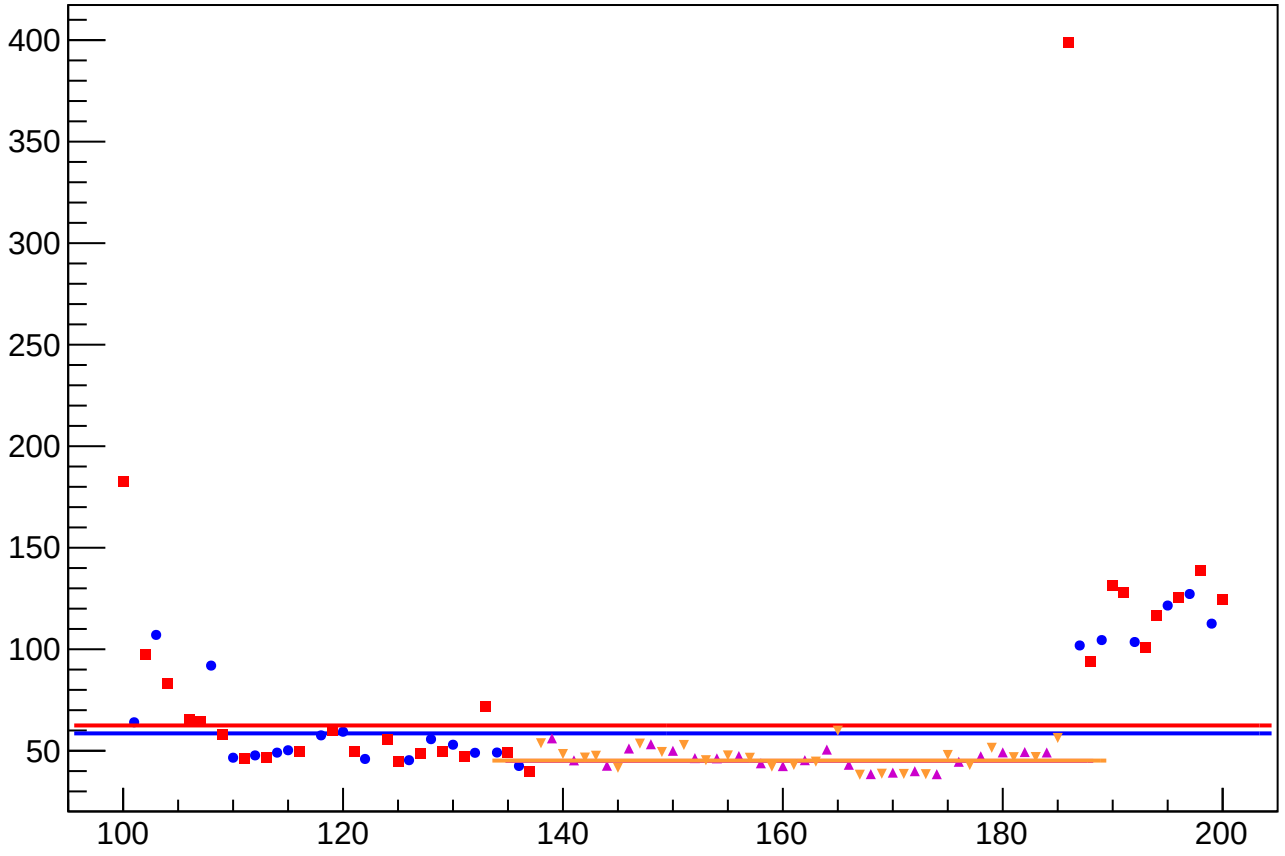
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.121+/-9.079 χ^2/NDF: 81.5/46

All: -16.098+/-6.481 χ^2/NDF: 157.1/97

- sign 1.585+/-9.254 χ^2/NDF: 68.5/50

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 58.569+/-0.013 χ^2/NDF: 2901159.4/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

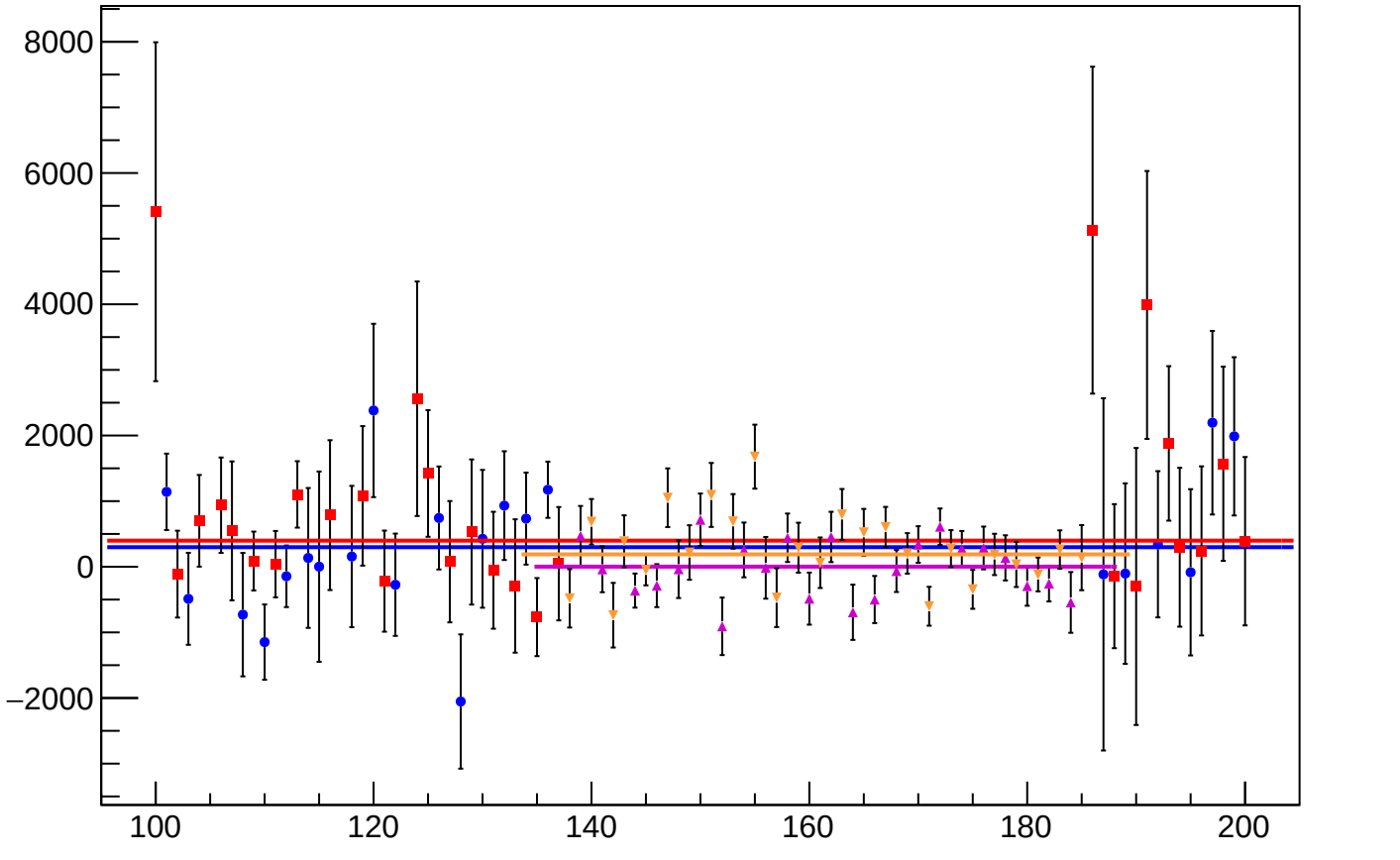
Right Out: 62.475+/-0.013 χ^2/NDF: 4208667.0/27

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 48.346+/-0.006 χ^2/NDF: 4177500.5/46

All: 48.823+/-0.005 χ^2/NDF: 10091995.6/97

- sign 49.320+/-0.007 χ^2/NDF: 5903212.1/50



Right In: 298.096+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 397.681+/-162.872 χ^2/NDF: 25.9/27

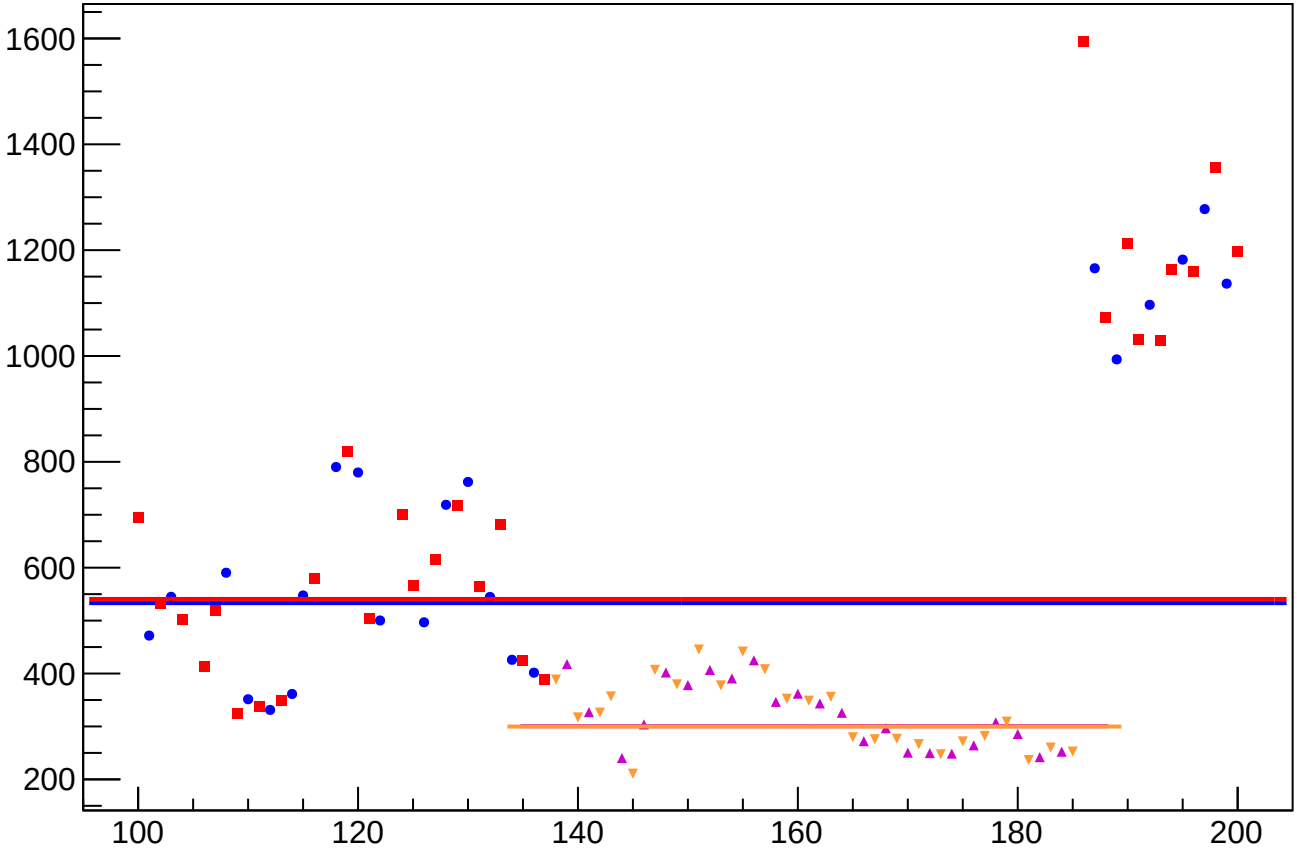
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 204.256+/-64.600 χ^2/NDF: 76.8/46

All: 136.205+/-46.040 χ^2/NDF: 142.2/97

- sign 65.962+/-65.632 χ^2/NDF: 63.1/50

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 533.025+/-0.122 χ^2/NDF: 3681258.7/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

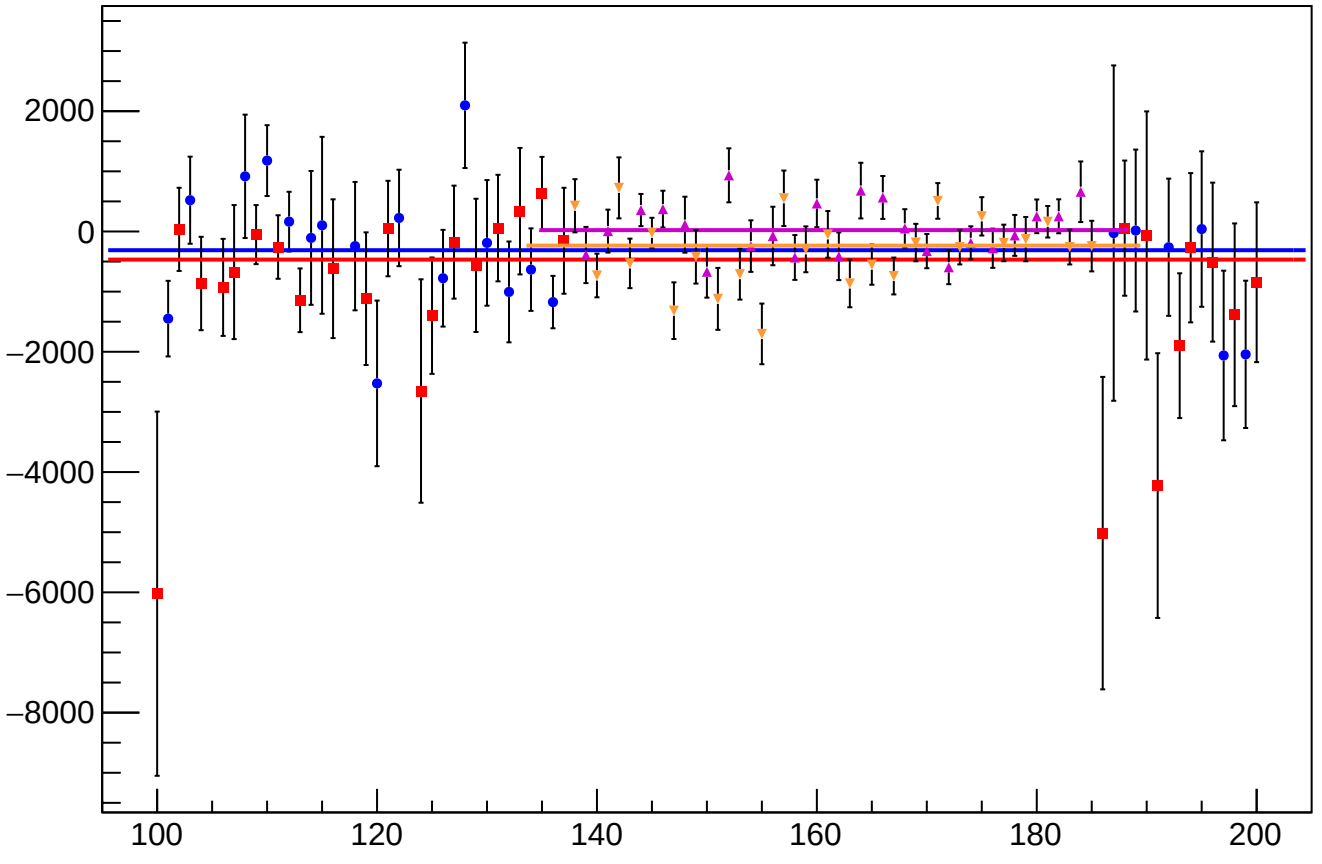
Right Out: 540.929+/-0.115 χ^2/NDF: 5167397.8/27

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 332.757+/-0.046 χ^2/NDF: 8421992.0/46

All: 336.114+/-0.033 χ^2/NDF: 18508820.7/97

- sign 339.579+/-0.046 χ^2/NDF: 10075853.9/50



Right In: -311.316+/-176.833 χ^2/NDF: 30.7/21

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -467.472+/-170.590 χ^2/NDF: 22.5/27

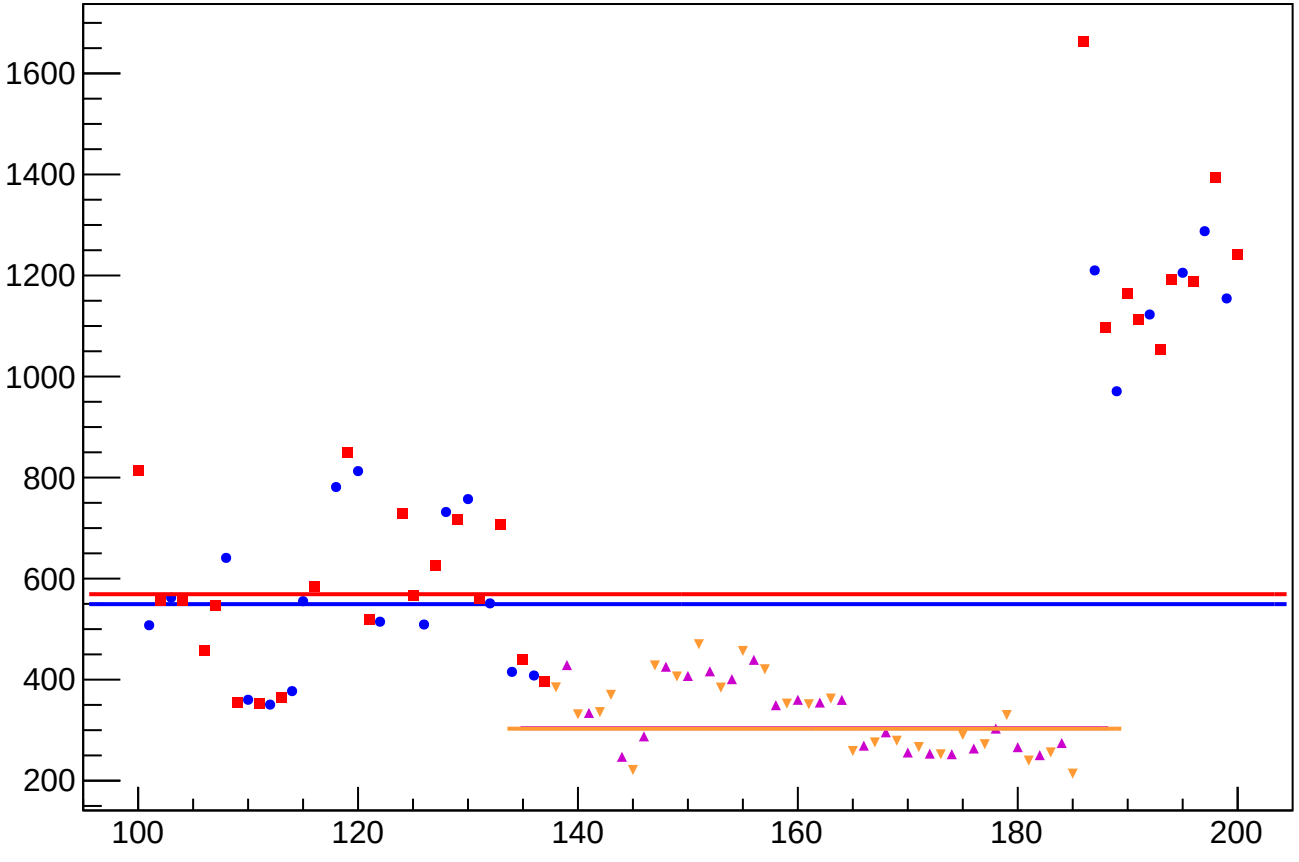
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -245.673+/-65.681 χ^2/NDF: 78.3/46

All: -150.804+/-46.846 χ^2/NDF: 142.0/97

- sign -52.572+/-66.835 χ^2/NDF: 59.4/50

asym_sam_15_37_dd_rms vs Slug



Right In: 549.461+/-0.125 χ^2/NDF: 3569447.3/21

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

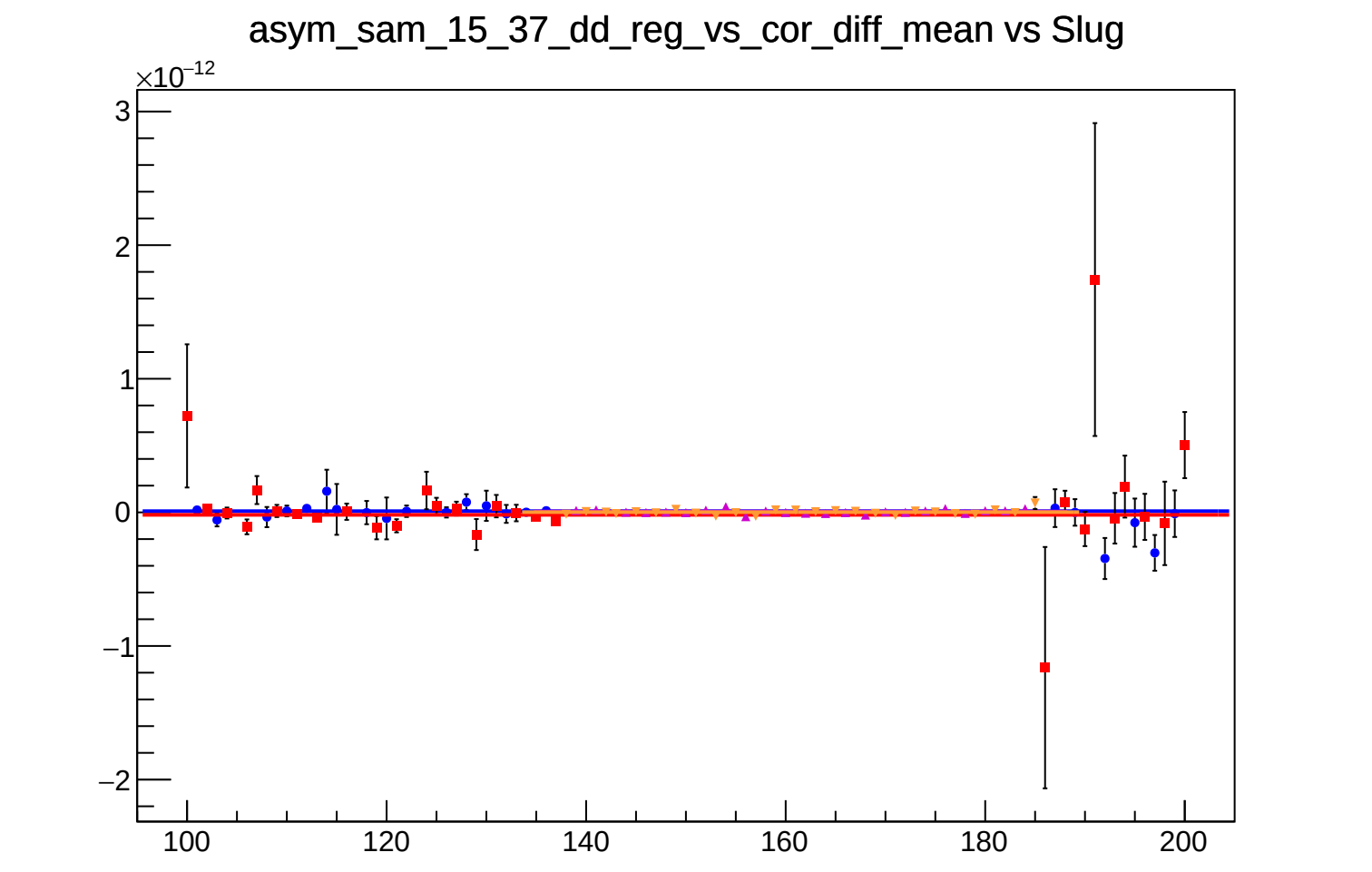
Right Out: 569.141+/-0.121 χ^2/NDF: 4917799.5/27

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 336.952+/-0.046 χ^2/NDF: 8686122.0/46

All: 340.726+/-0.033 χ^2/NDF: 19085849.0/97

- sign 344.633+/-0.047 χ^2/NDF: 10386289.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

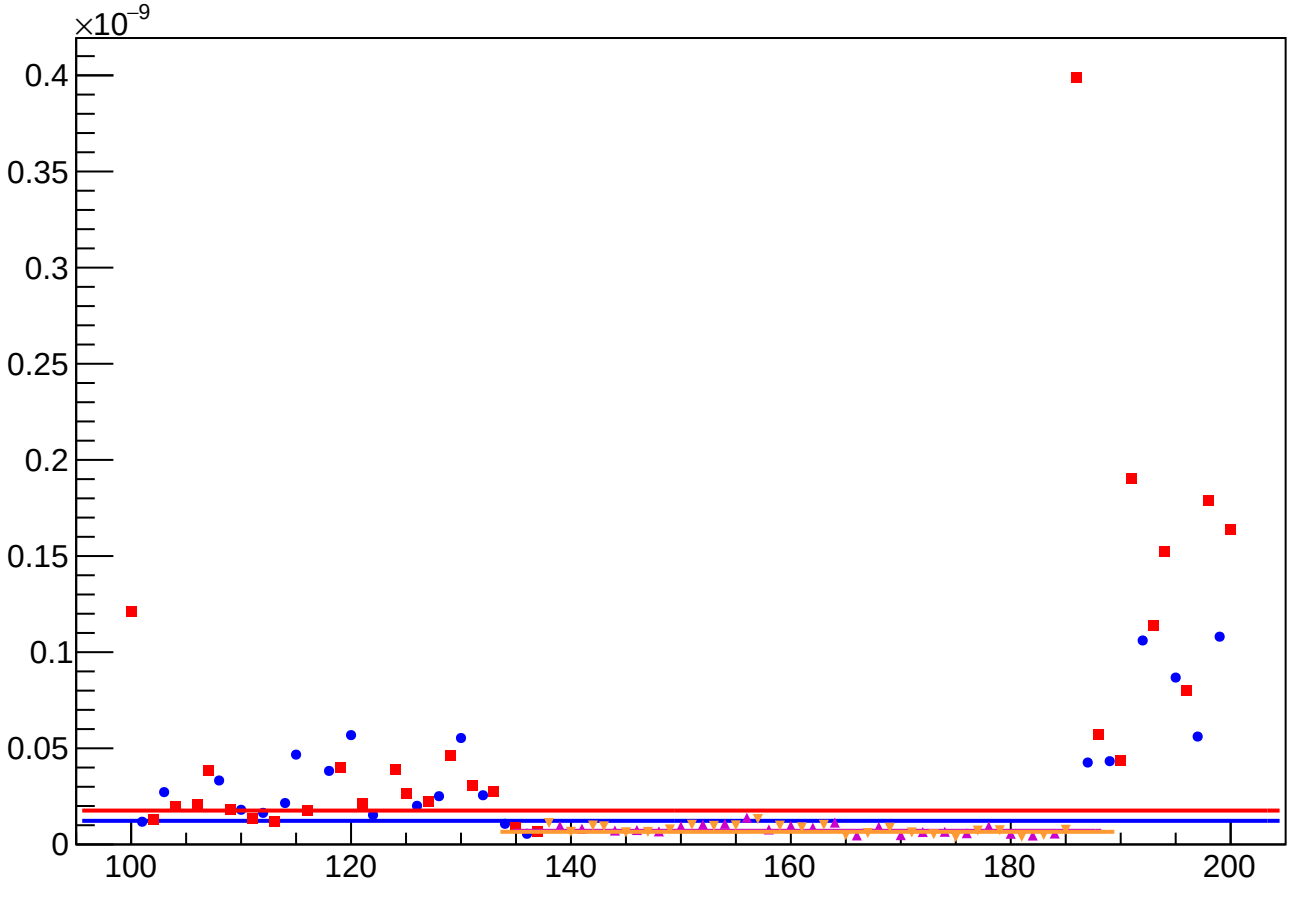
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/27

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/46

All: 0.000+/-0.000 χ^2/NDF: 99.1/97

- sign 0.000+/-0.000 χ^2/NDF: 58.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4330649.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4878289.8/27

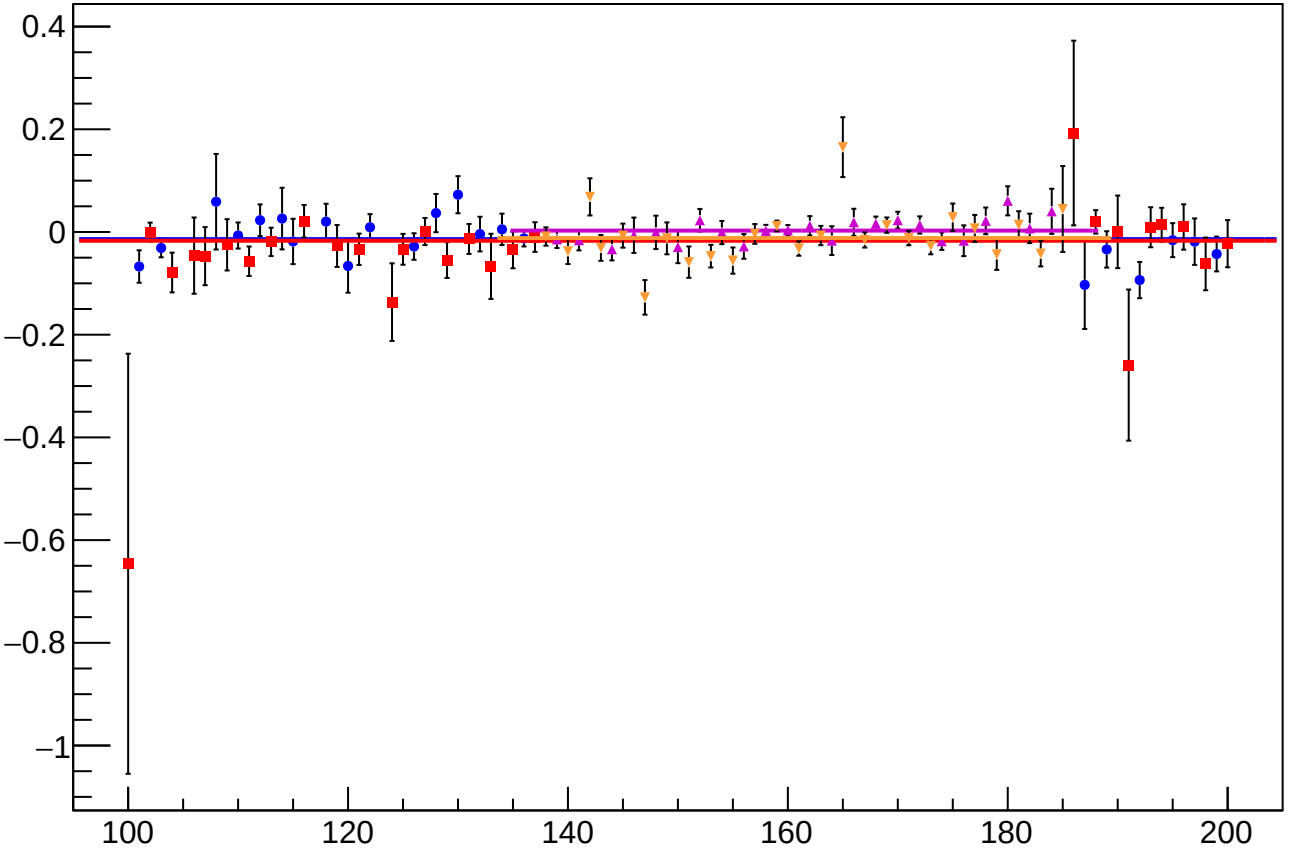
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6747068.4/46

All: 0.000+/-0.000 χ^2/NDF: 14700052.7/97

- sign 0.000+/-0.000 χ^2/NDF: 7876060.1/50

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

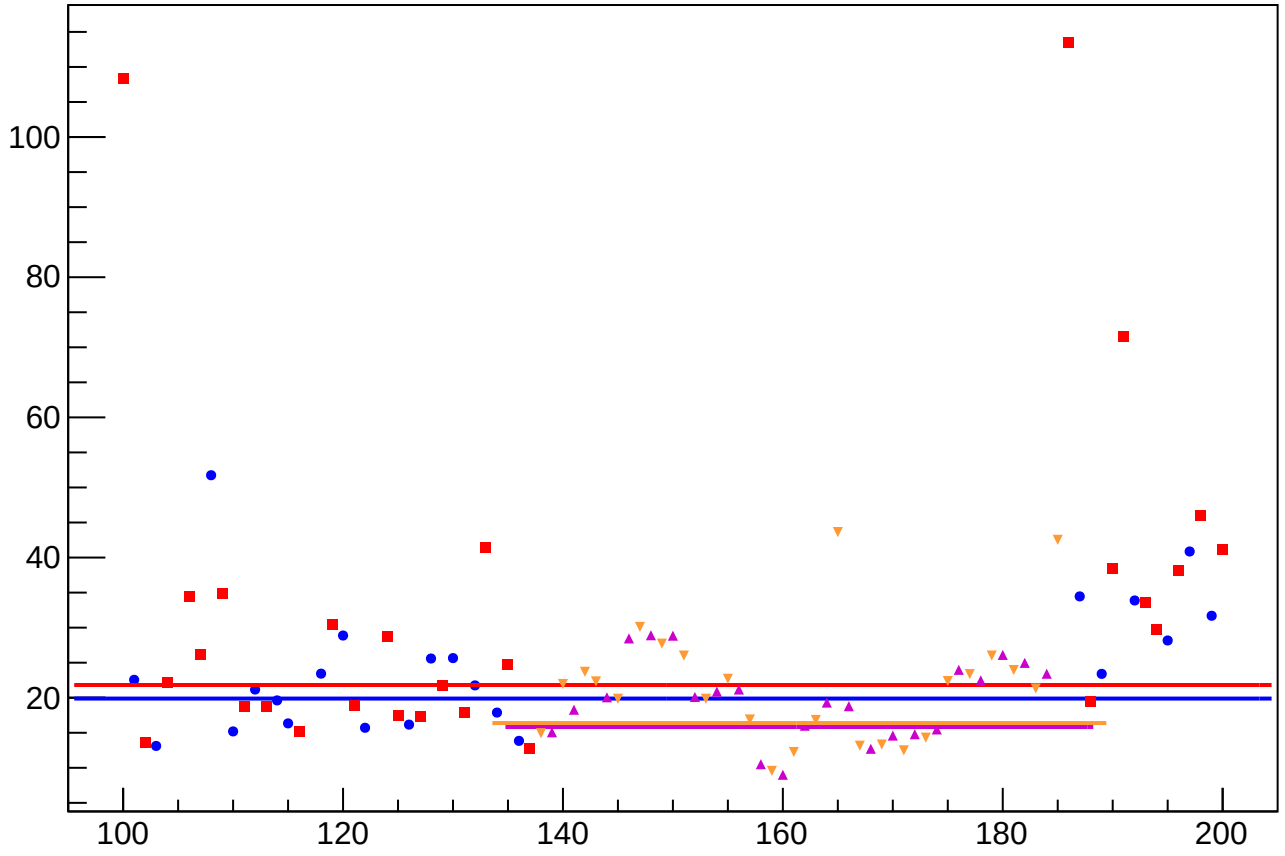
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.9/97

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

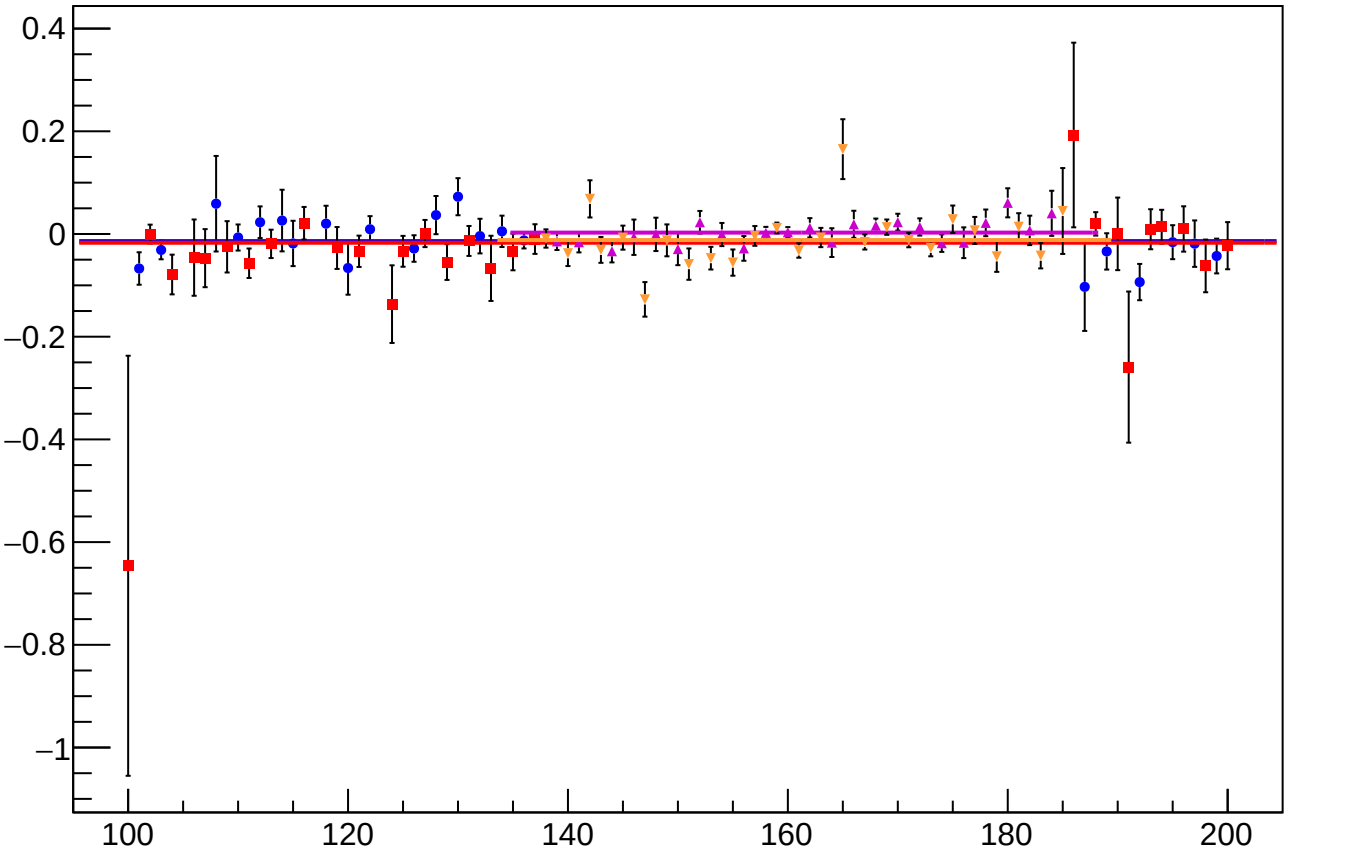
Right Out: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.359+/-0.002 χ^2/NDF: 6827651.1/46

All: 17.378+/-0.002 χ^2/NDF: 15389987.9/97

\- sign 17.398+/-0.002 χ^2/NDF: 8562213.1/50



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

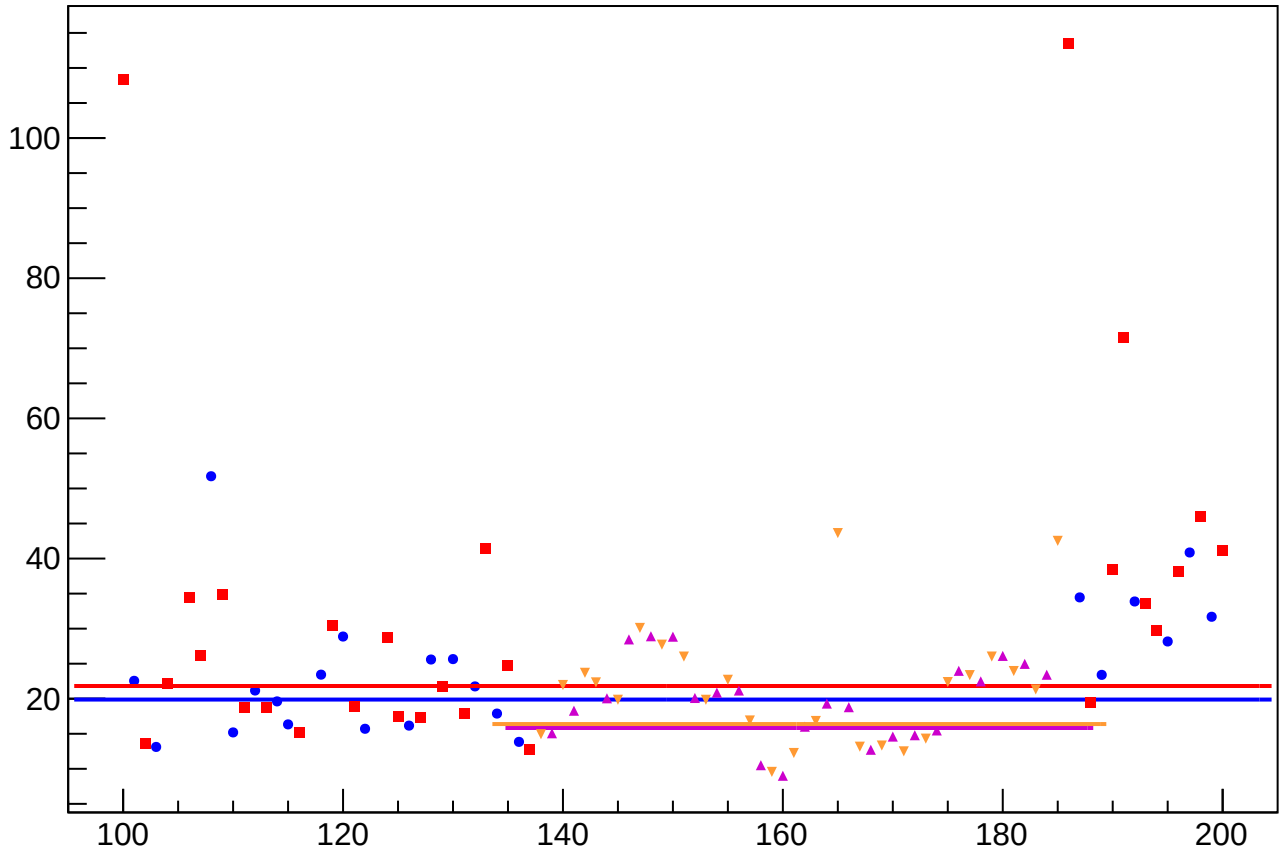
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.9/97

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

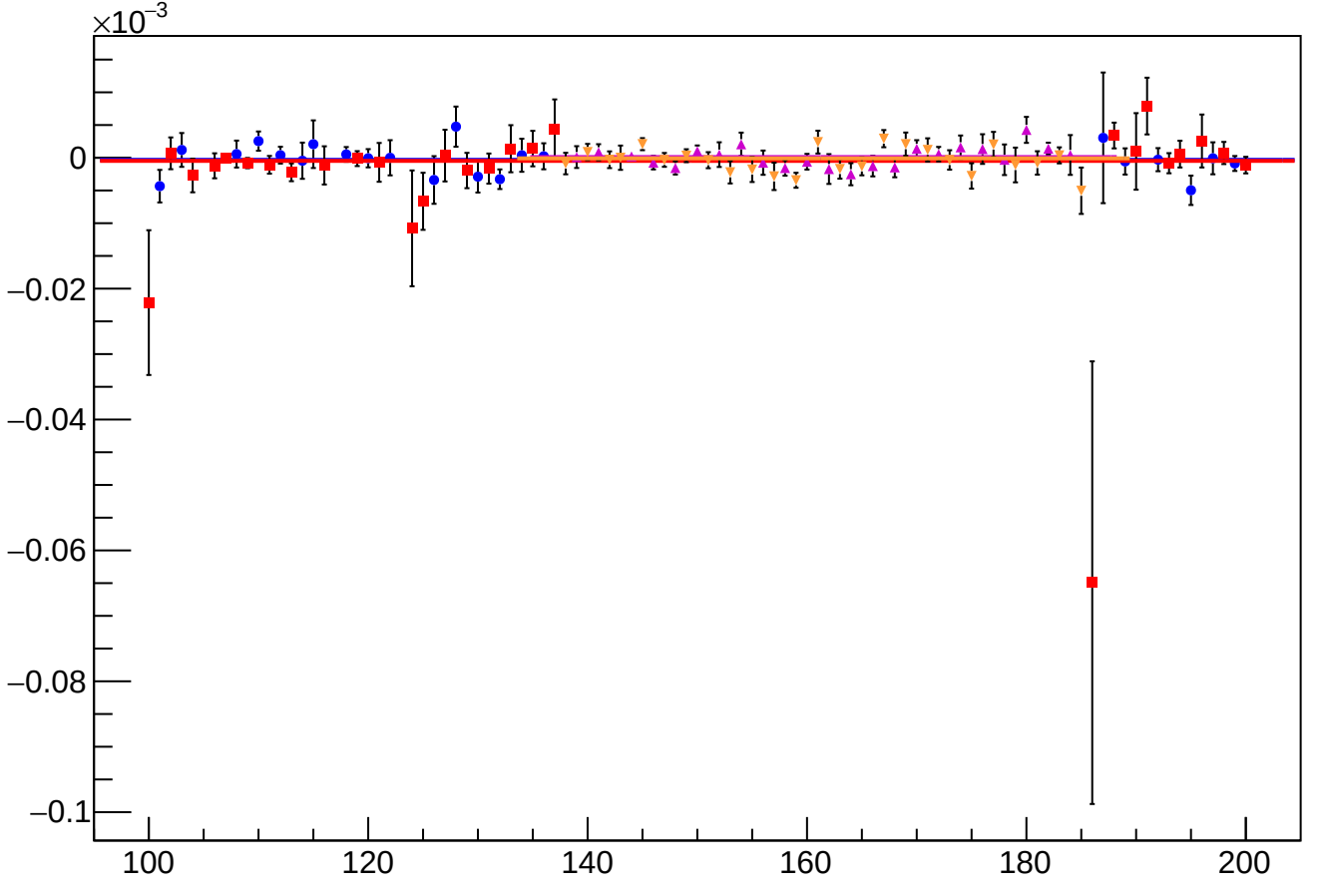
Right Out: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.359+/-0.002 χ^2/NDF: 6827651.1/46

All: 17.378+/-0.002 χ^2/NDF: 15389987.9/97

- sign 17.398+/-0.002 χ^2/NDF: 8562213.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/27

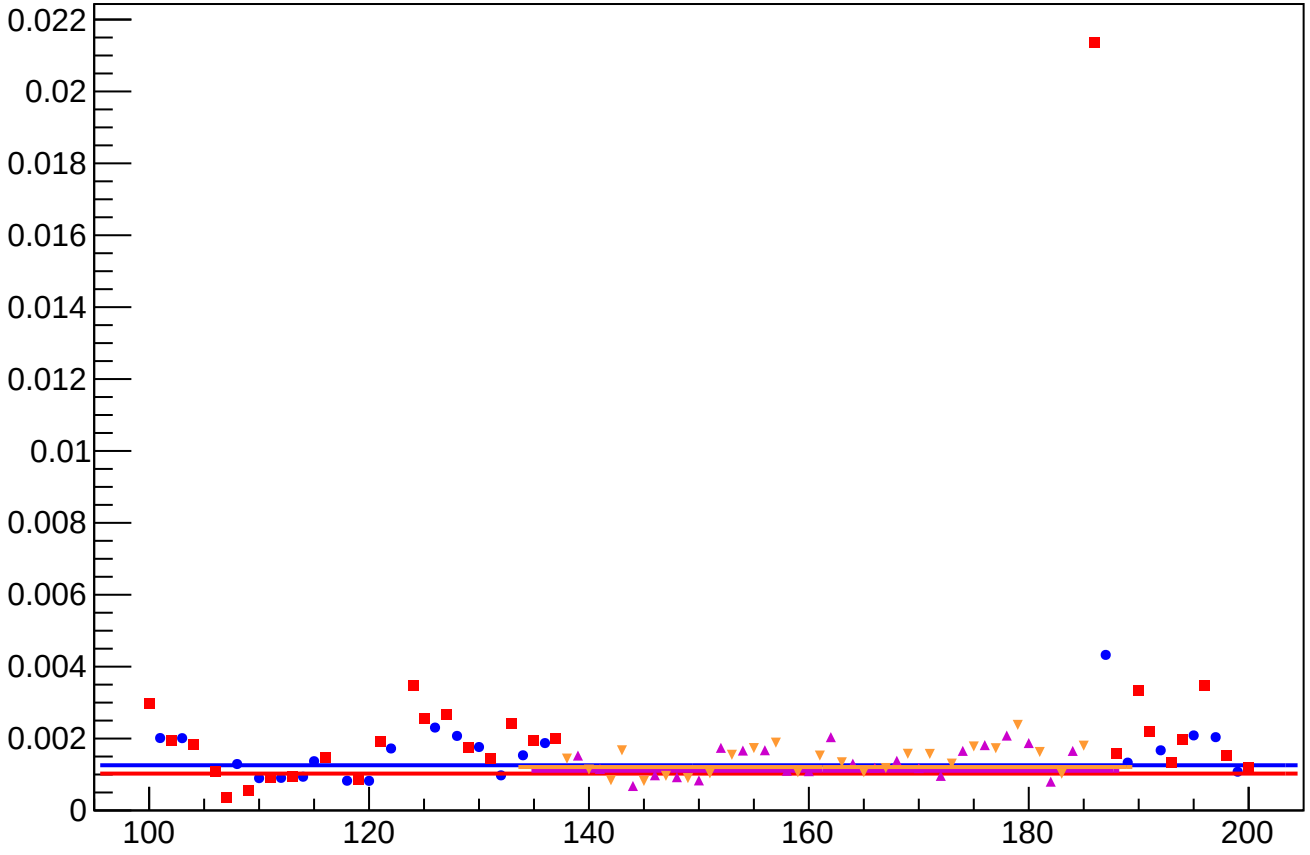
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/46

All: -0.000+/-0.000 χ^2/NDF: 107.9/97

- sign -0.000+/-0.000 χ^2/NDF: 50.0/50

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2710770.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

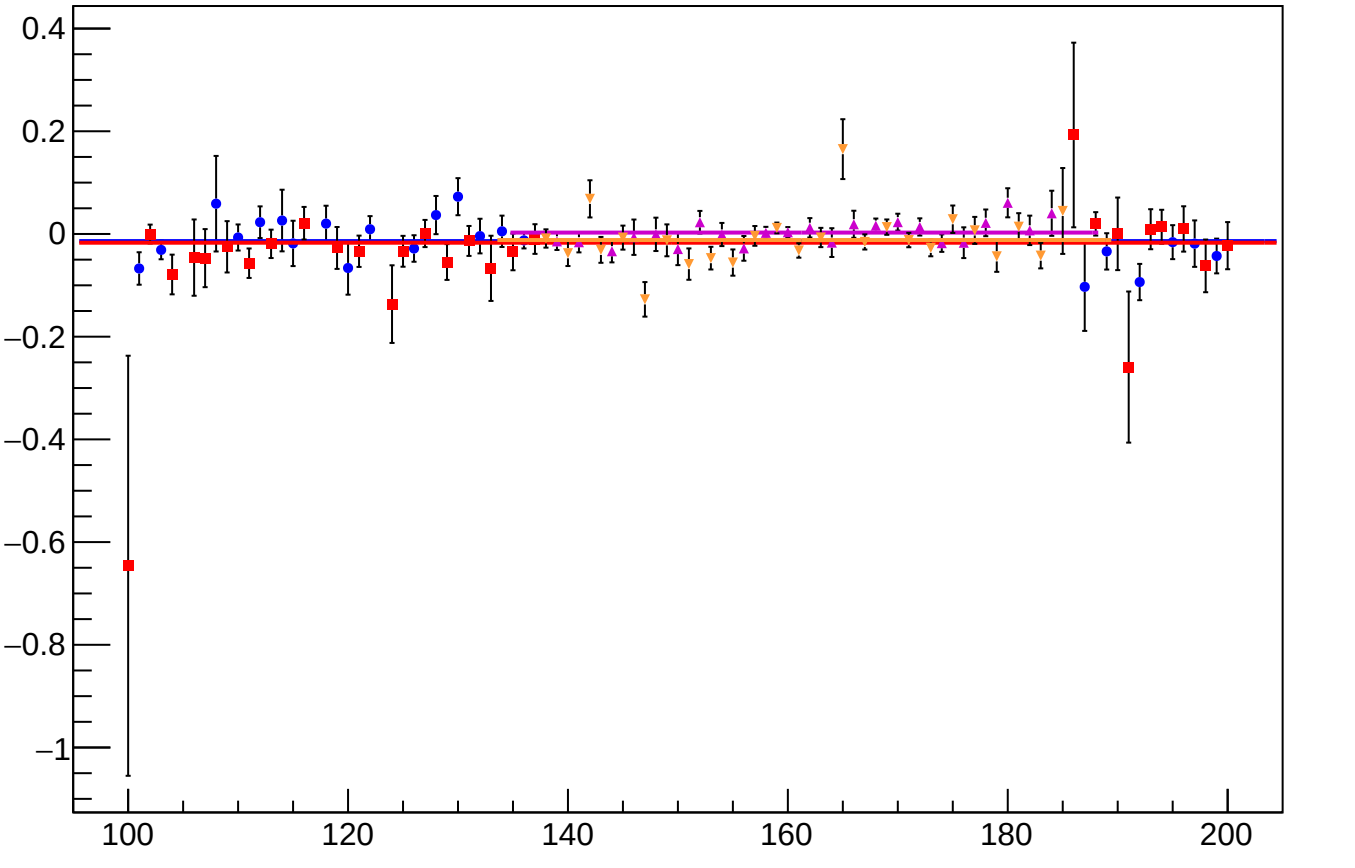
Right Out: 0.001+/-0.000 χ^2/NDF: 7558876.5/27

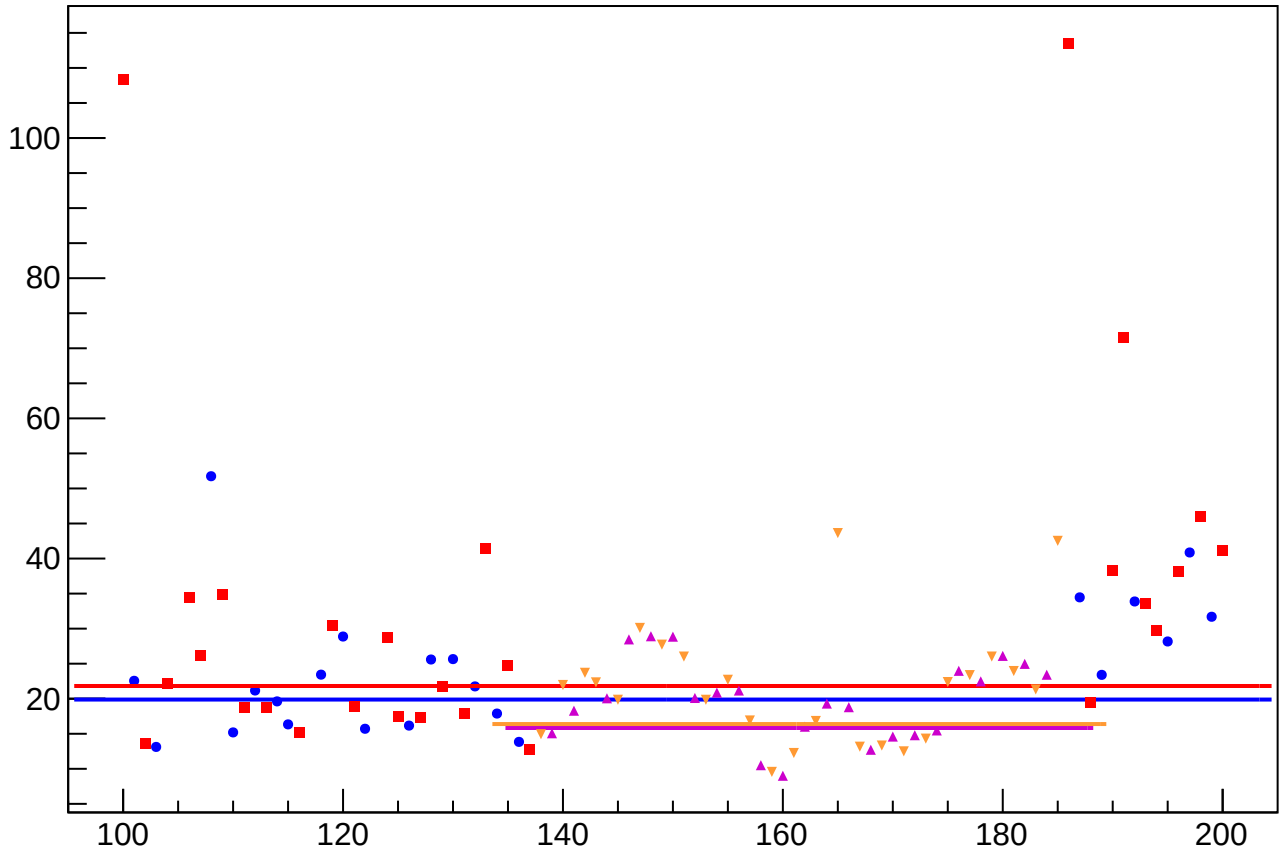
Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5451757.9/46

All: 0.001+/-0.000 χ^2/NDF: 17035702.3/97

- sign 0.001+/-0.000 χ^2/NDF: 11120184.6/50


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: -0.014+/-0.007 χ²/NDF: 24.7/21
Left Out: -0.012+/-0.004 χ²/NDF:53.4/24
Right Out: -0.017+/-0.007 χ²/NDF: 24.6/27
Left In: 0.003+/-0.004 χ²/NDF:19.8/22
+ sign -0.012+/-0.003 χ²/NDF: 78.2/46
All: -0.007+/-0.002 χ²/NDF: 132.9/97
- sign -0.002+/-0.003 χ²/NDF: 50.6/50



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

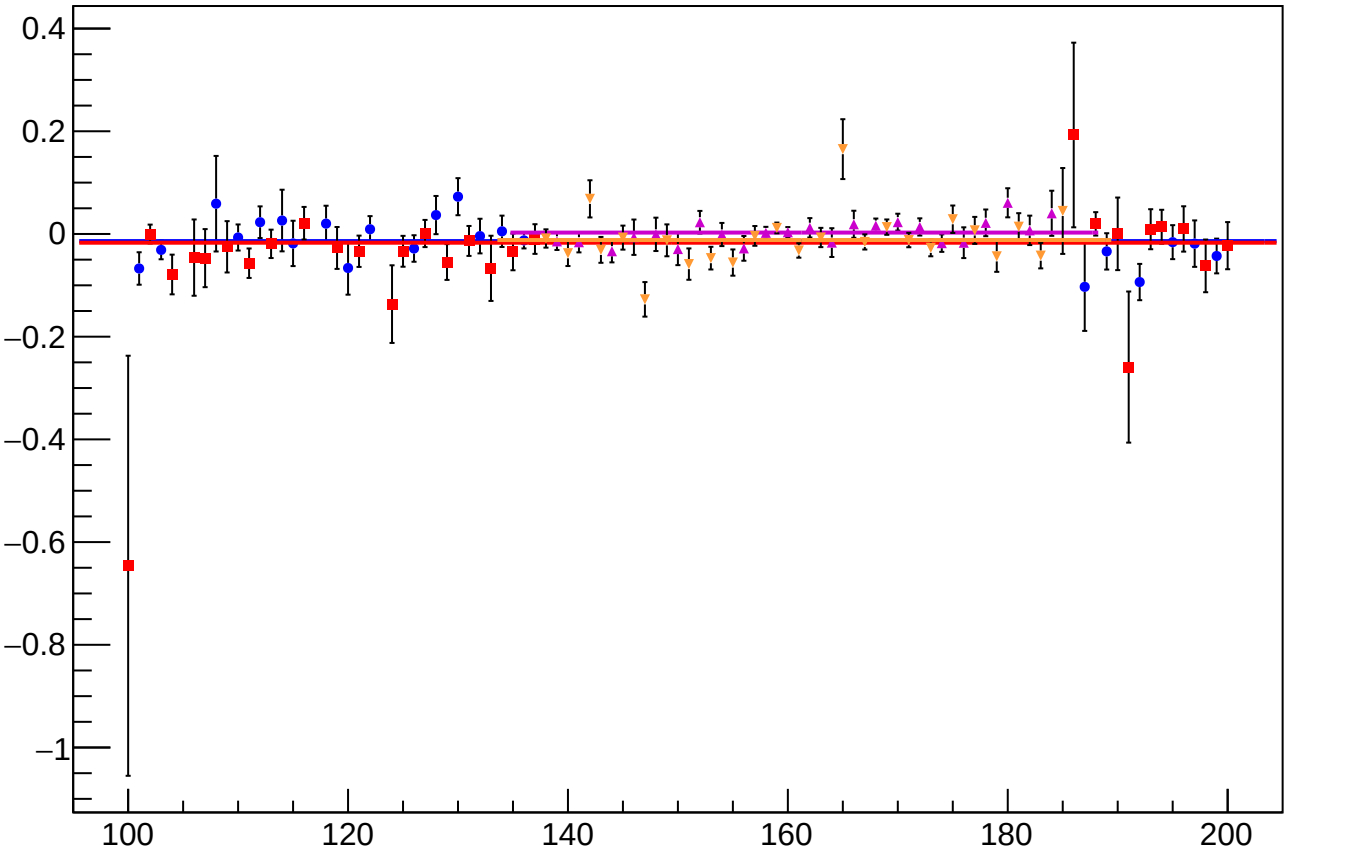
Right Out: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.359+/-0.002 χ^2/NDF: 6827972.4/46

All: 17.378+/-0.002 χ^2/NDF: 15390701.3/97

- sign 17.397+/-0.002 χ^2/NDF: 8562604.9/50



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

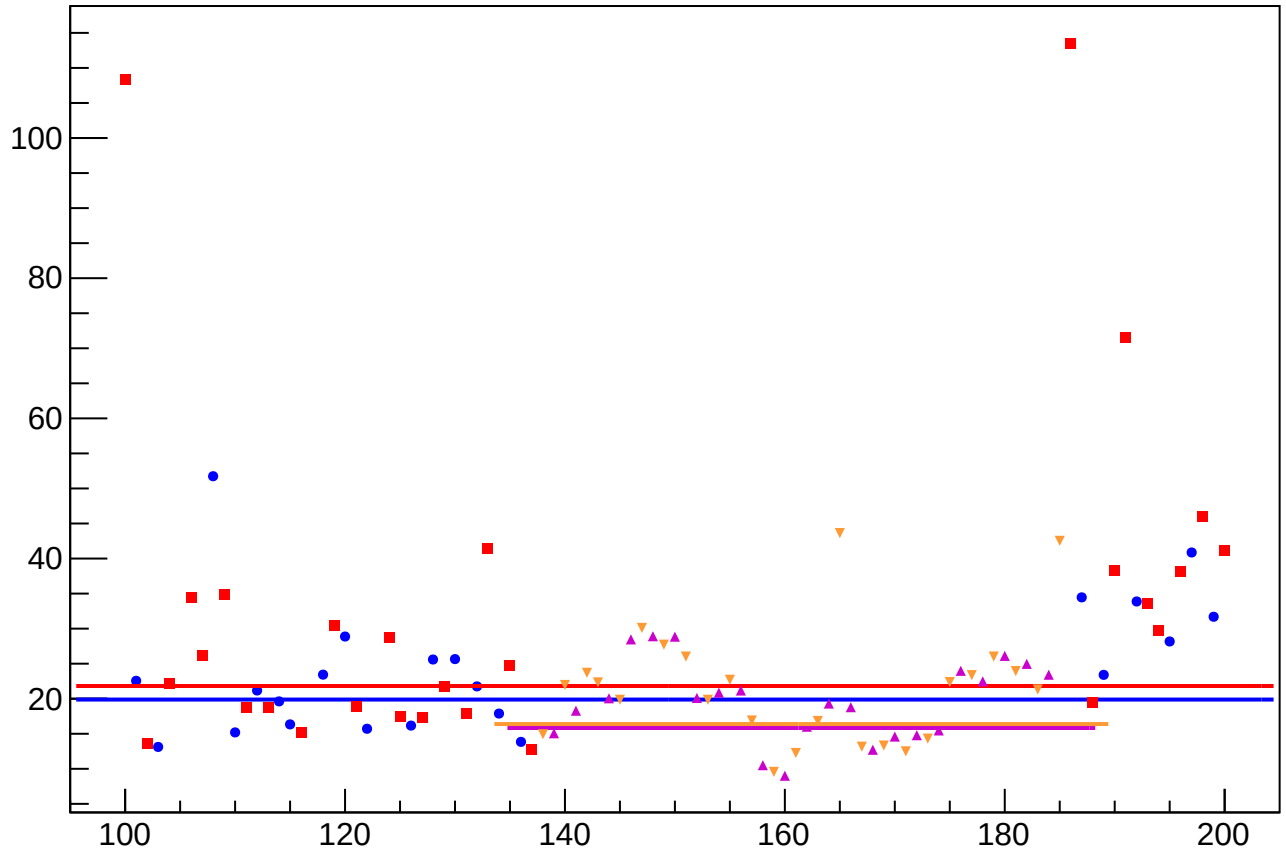
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.9/97

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

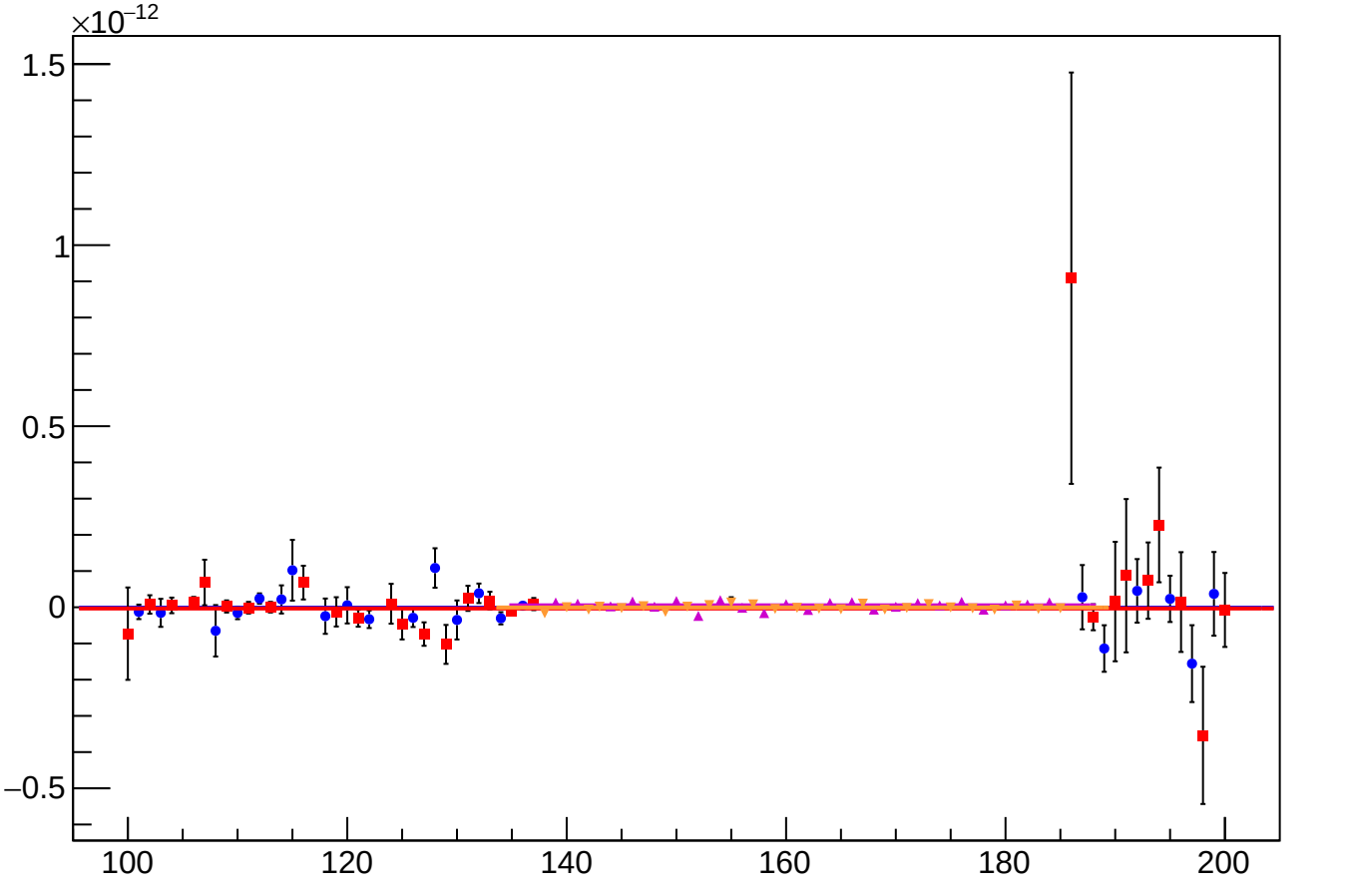
Right Out: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.359+/-0.002 χ^2/NDF: 6827972.4/46

All: 17.378+/-0.002 χ^2/NDF: 15390701.3/97

\- sign 17.397+/-0.002 χ^2/NDF: 8562604.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

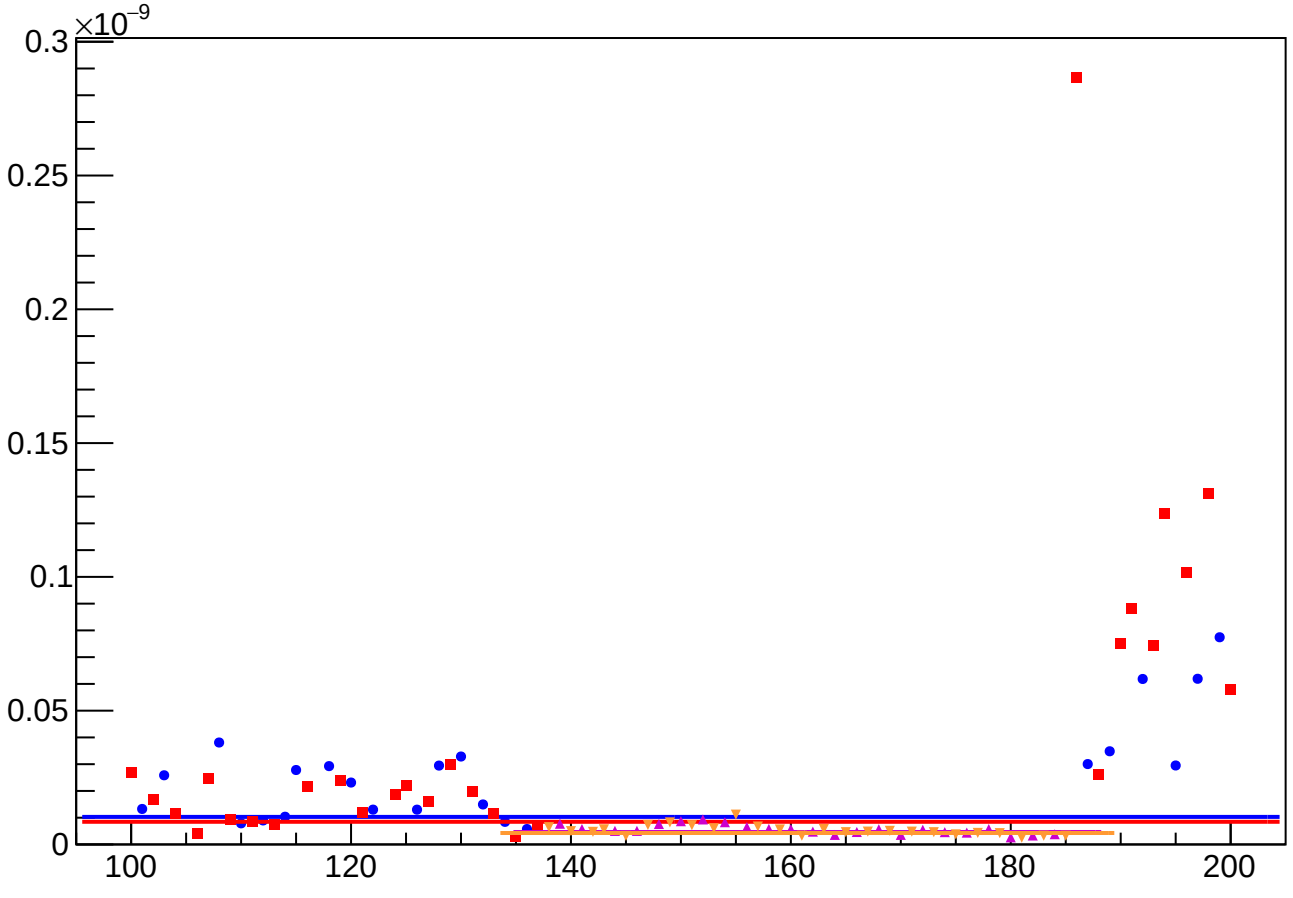
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/27

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

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/46

All: 0.000+/-0.000 χ^2/NDF: 123.5/97

- sign 0.000+/-0.000 χ^2/NDF: 69.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 5084445.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783477.1/27

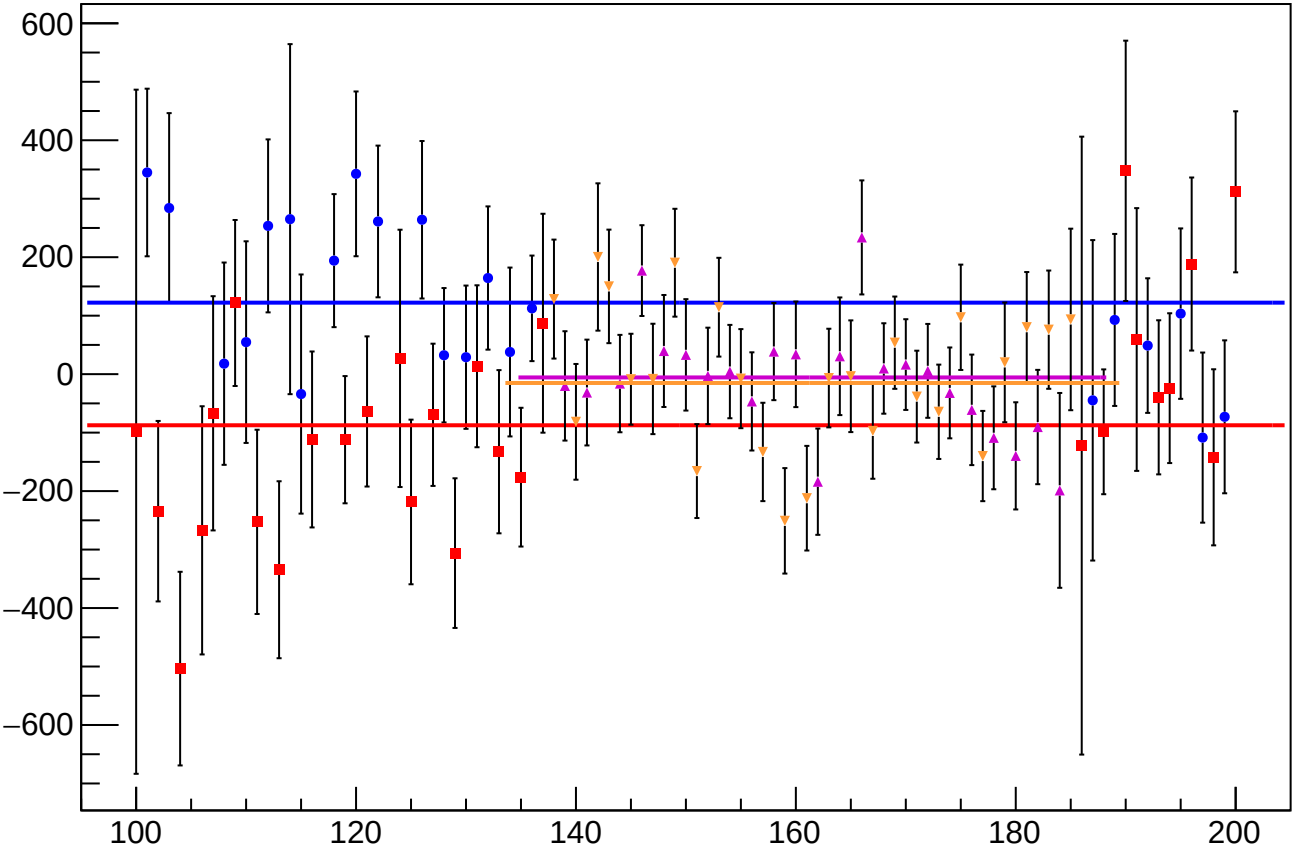
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10379537.9/46

All: 0.000+/-0.000 χ^2/NDF: 23096271.7/97

- sign 0.000+/-0.000 χ^2/NDF: 12641959.9/50

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 122.264+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -87.424+/-28.321 χ^2/NDF: 36.8/27

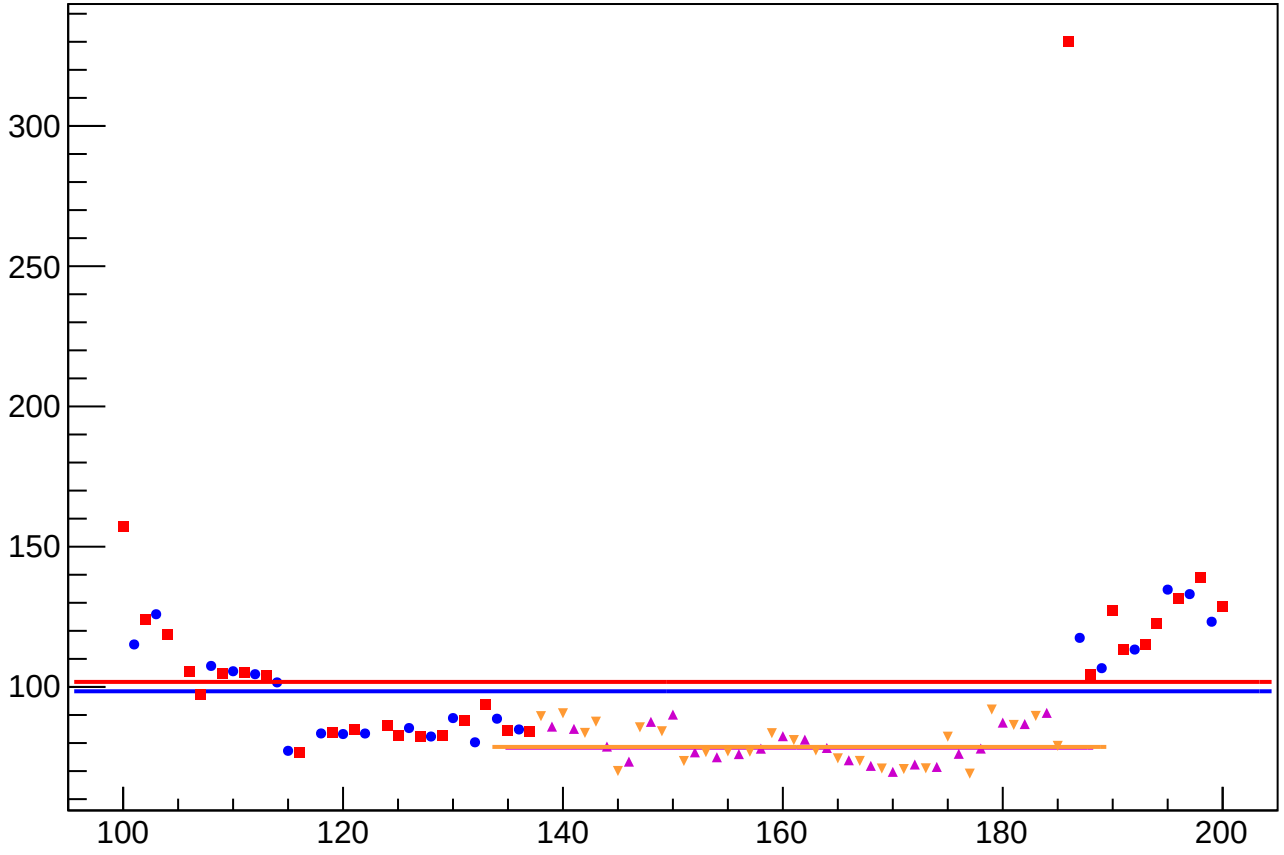
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -3.854+/-10.877 χ^2/NDF: 146.6/97

- sign -29.873+/-15.419 χ^2/NDF: 65.7/50

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731381.9/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.795+/-0.020 χ^2/NDF: 1219263.0/27

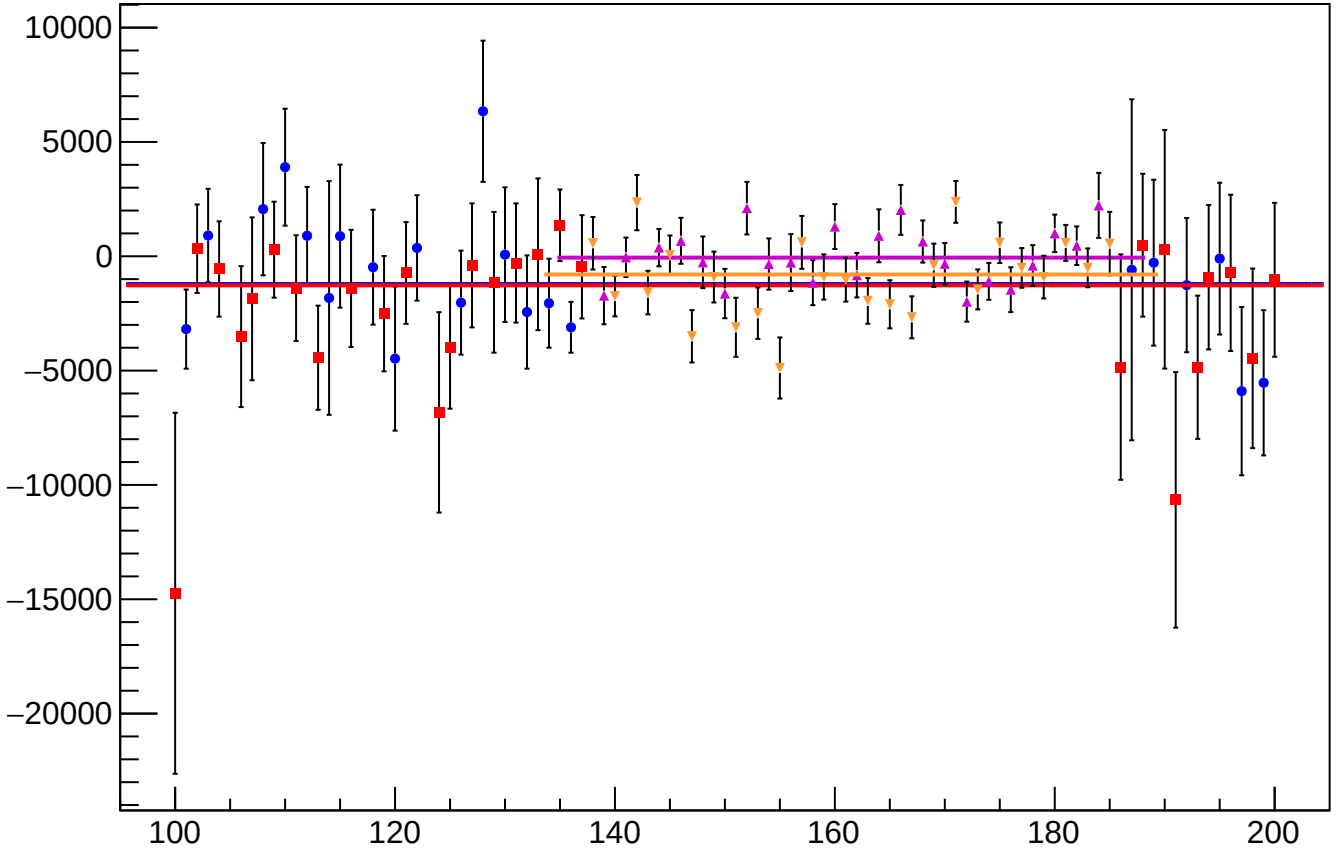
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696195.9/46

All: 84.623+/-0.008 χ^2/NDF: 4097657.2/97

- sign 85.288+/-0.011 χ^2/NDF: 2394052.1/50

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1215.465+/-514.536 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1271.090+/-516.888 χ^2/NDF: 18.8/27

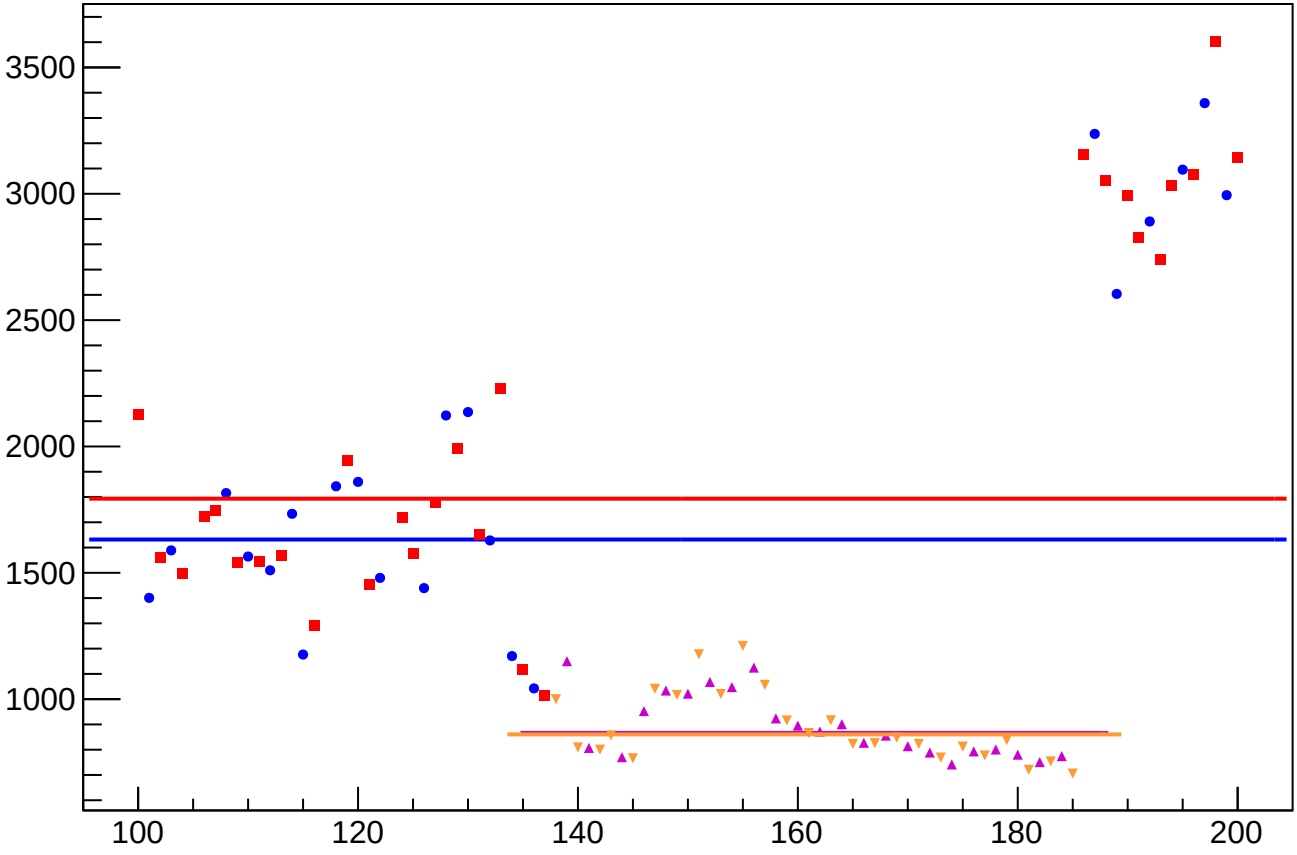
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -850.919+/-184.696 χ^2/NDF: 84.0/46

All: -546.212+/-132.472 χ^2/NDF: 143.7/97

- sign -223.388+/-190.107 χ^2/NDF: 54.0/50

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1631.827+/-0.364 χ^2/NDF: 2729199.2/21

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1793.493+/-0.365 χ^2/NDF: 3121779.9/27

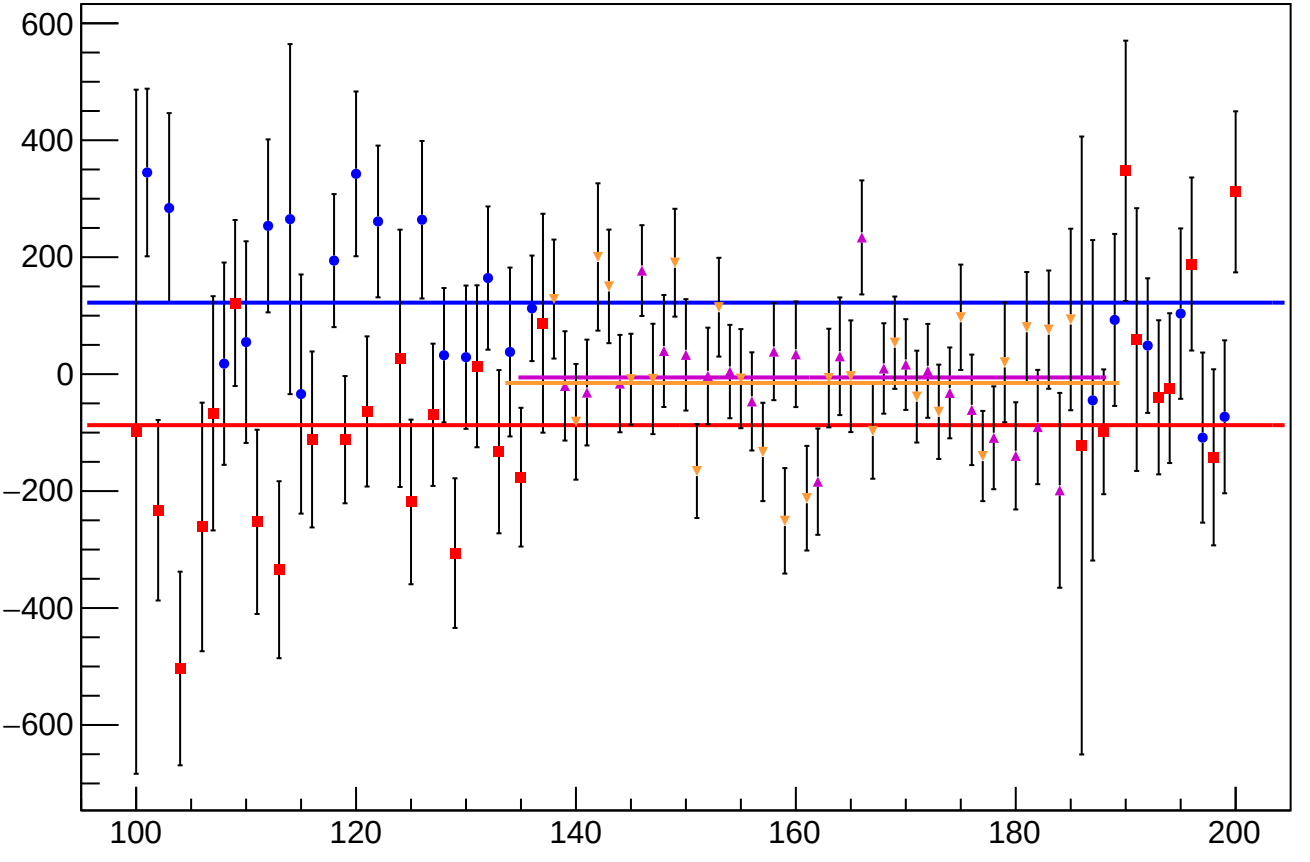
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343866.7/46

All: 975.362+/-0.094 χ^2/NDF: 16672125.4/97

- sign 991.767+/-0.134 χ^2/NDF: 9299309.8/50

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -87.246+/-28.323 χ^2/NDF: 36.7/27

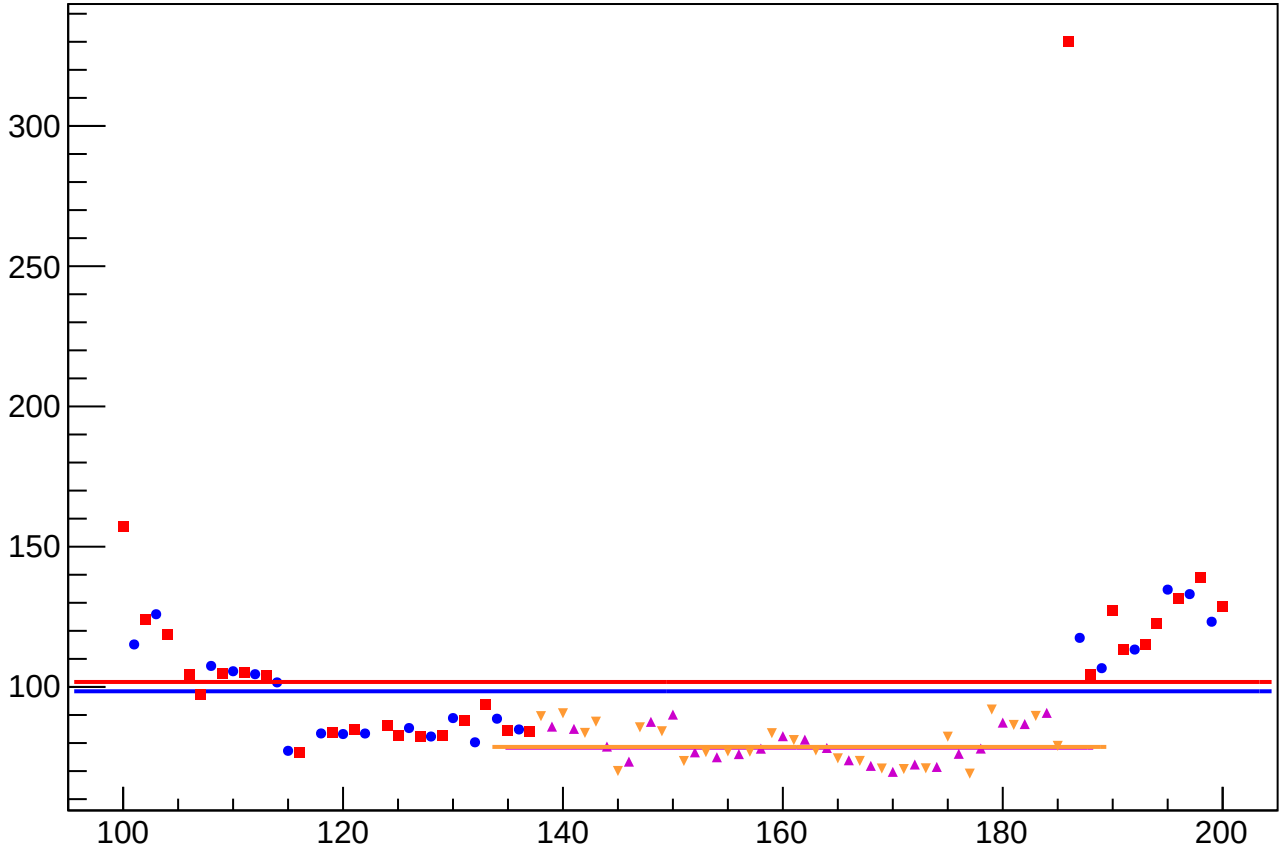
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -3.825+/-10.877 χ^2/NDF: 146.5/97

- sign -29.816+/-15.419 χ^2/NDF: 65.6/50

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

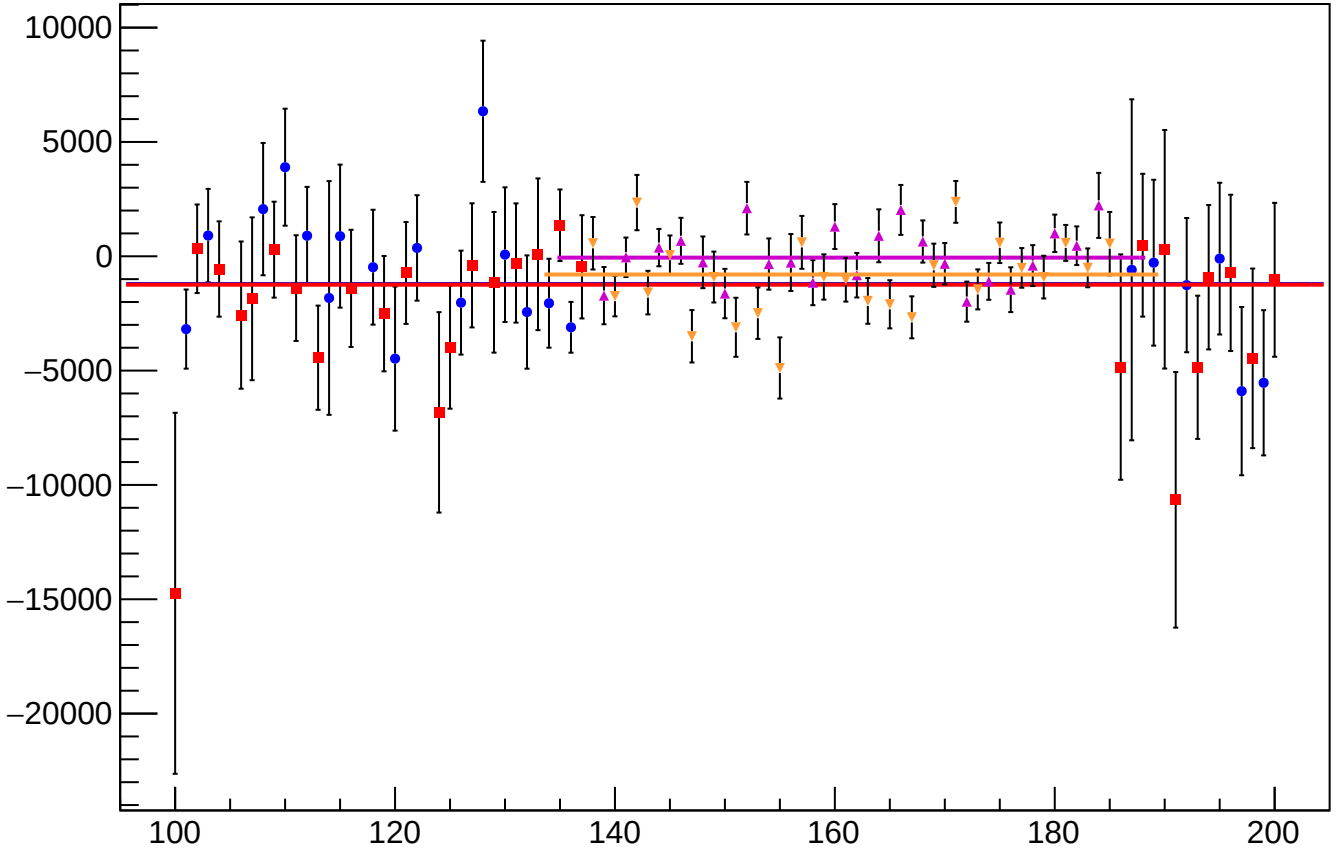
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696197.9/46

All: 84.619+/-0.008 χ^2/NDF: 4095534.5/97

- sign 85.281+/-0.011 χ^2/NDF: 2392004.5/50

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

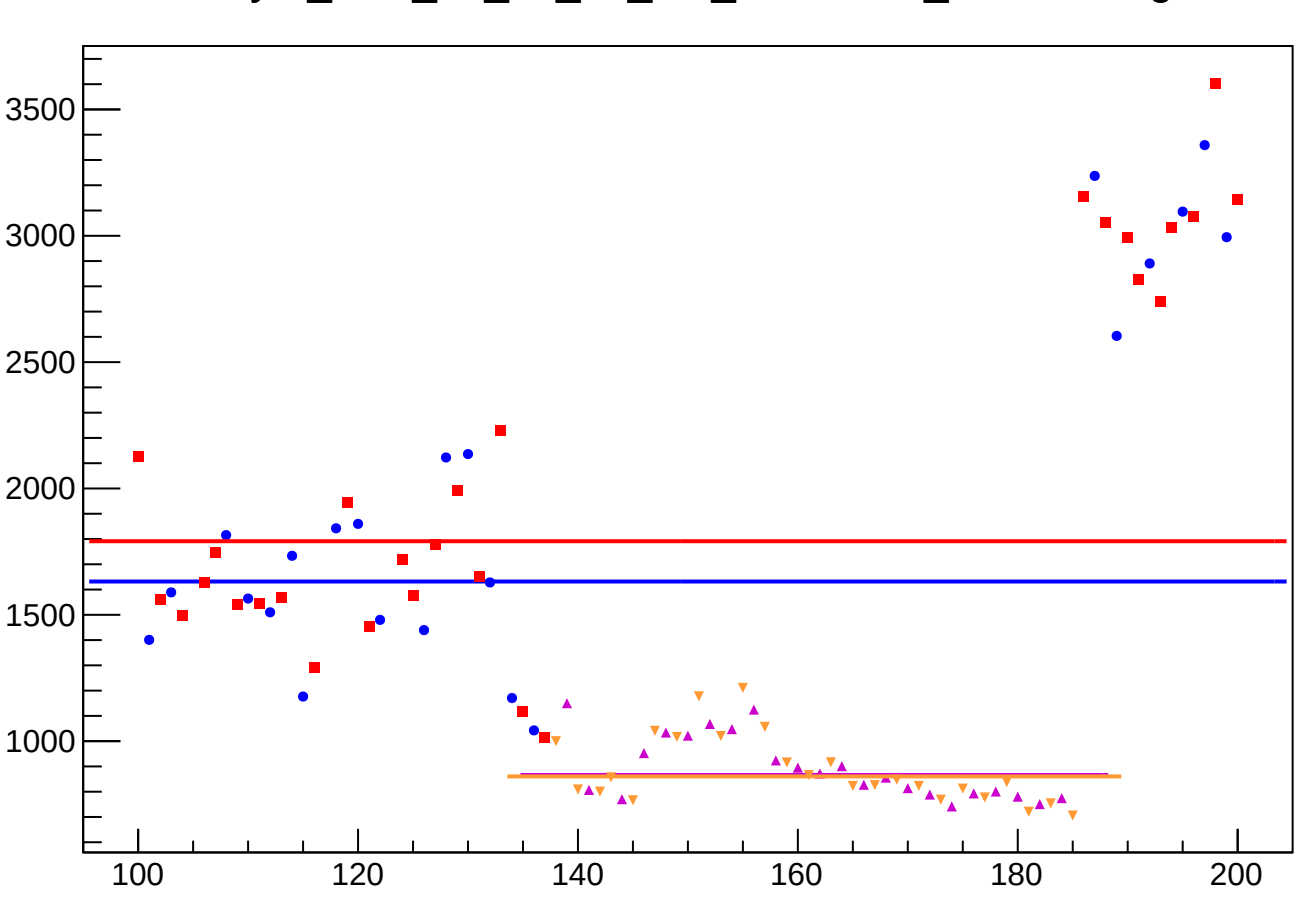
Right Out: -1241.817+/-517.516 χ^2/NDF: 18.4/27

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -850.916+/-184.696 χ^2/NDF: 84.0/46

All: -544.177+/-132.482 χ^2/NDF: 143.1/97

- sign -219.093+/-190.139 χ^2/NDF: 53.4/50



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

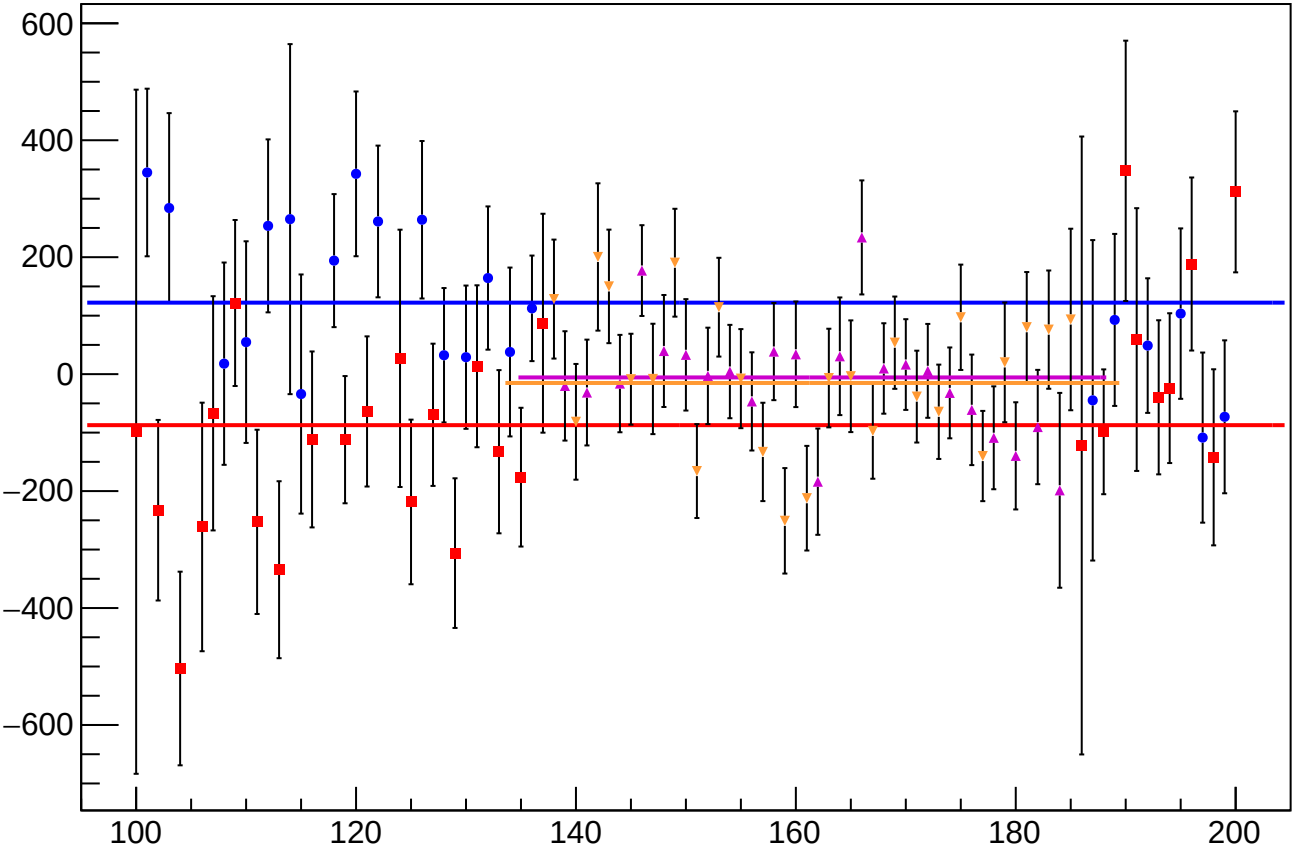
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343886.7/46

All: 975.088+/-0.094 χ^2/NDF: 16637094.8/97

- sign 991.207+/-0.134 χ^2/NDF: 9265271.9/50

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -87.246+/-28.323 χ^2/NDF: 36.7/27

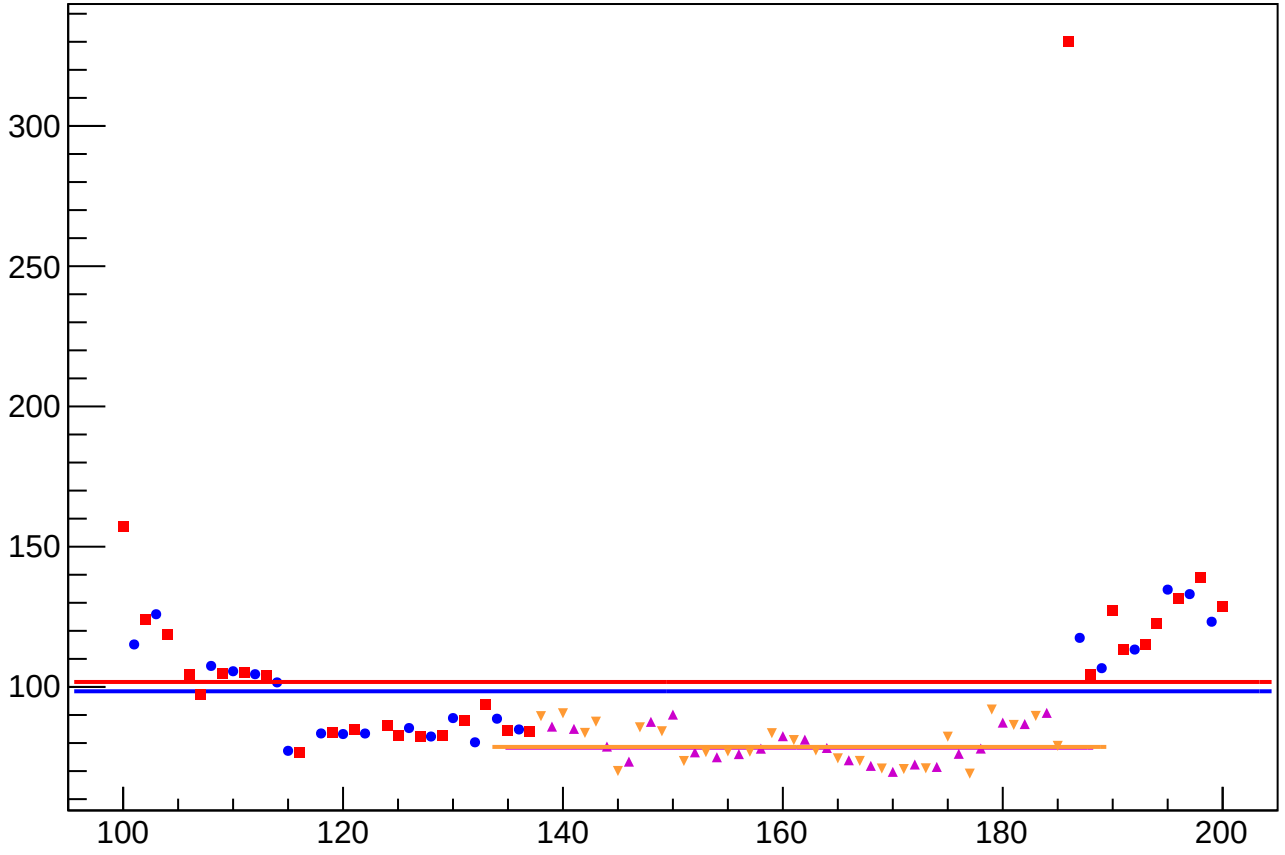
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -3.825+/-10.877 χ^2/NDF: 146.5/97

- sign -29.816+/-15.419 χ^2/NDF: 65.6/50

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

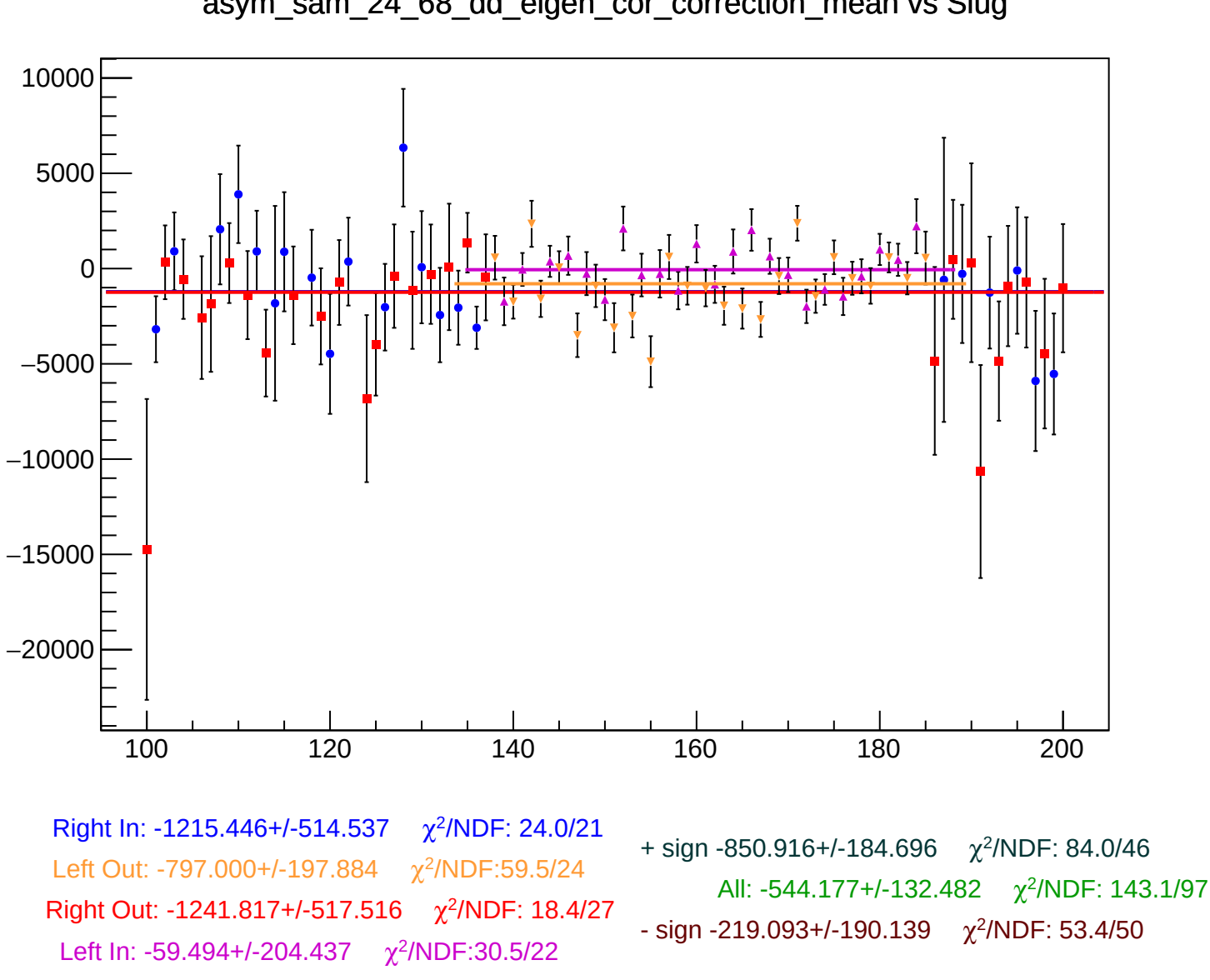
Right Out: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

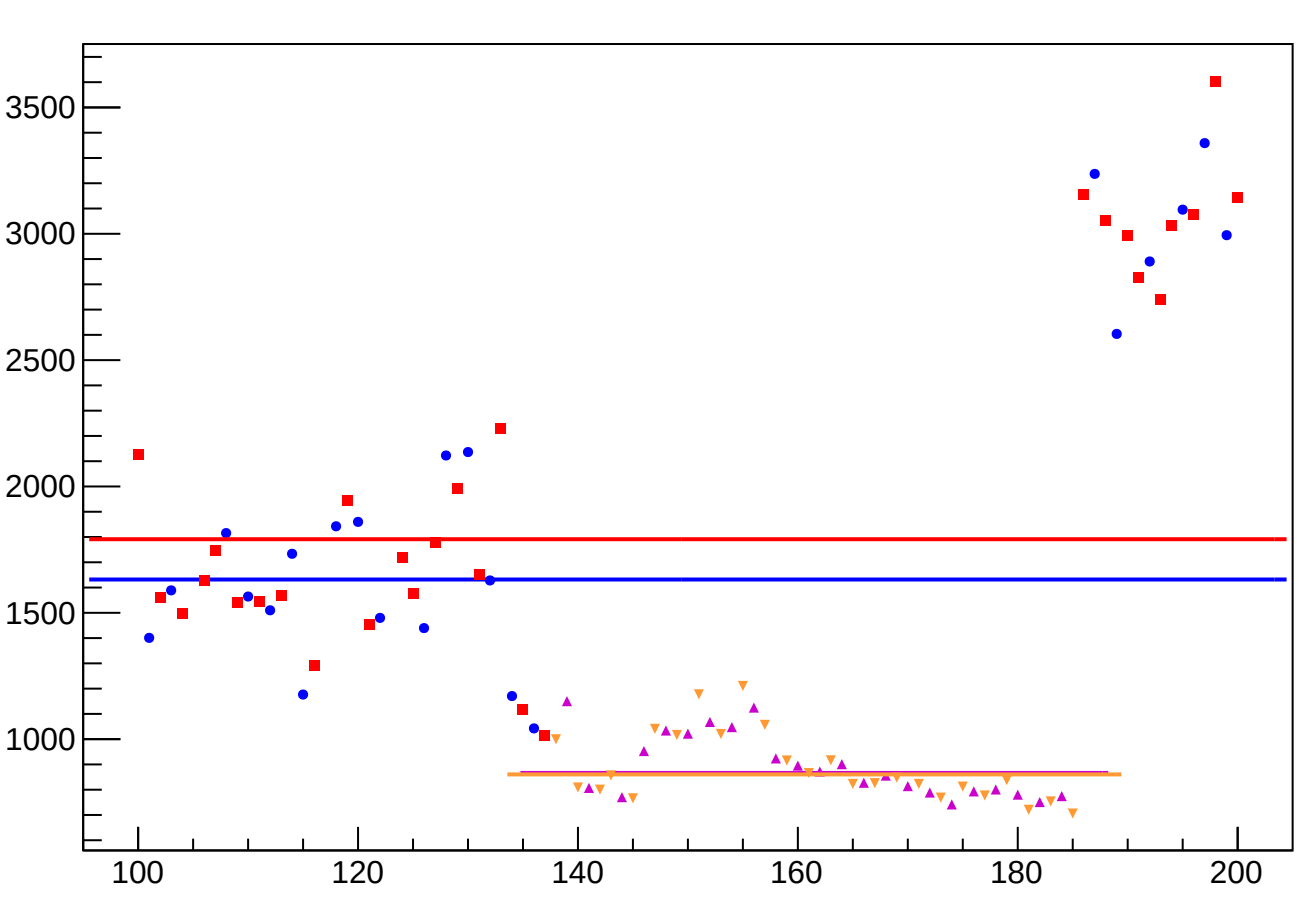
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696197.9/46

All: 84.619+/-0.008 χ^2/NDF: 4095534.5/97

- sign 85.281+/-0.011 χ^2/NDF: 2392004.5/50


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -1215.446+/-514.537 χ²/NDF: 24.0/21
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: -1241.817+/-517.516 χ²/NDF: 18.4/27
Left In: -59.494+/-204.437 χ²/NDF:30.5/22
+ sign -850.916+/-184.696 χ²/NDF: 84.0/46
All: -544.177+/-132.482 χ²/NDF: 143.1/97
- sign -219.093+/-190.139 χ²/NDF: 53.4/50



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

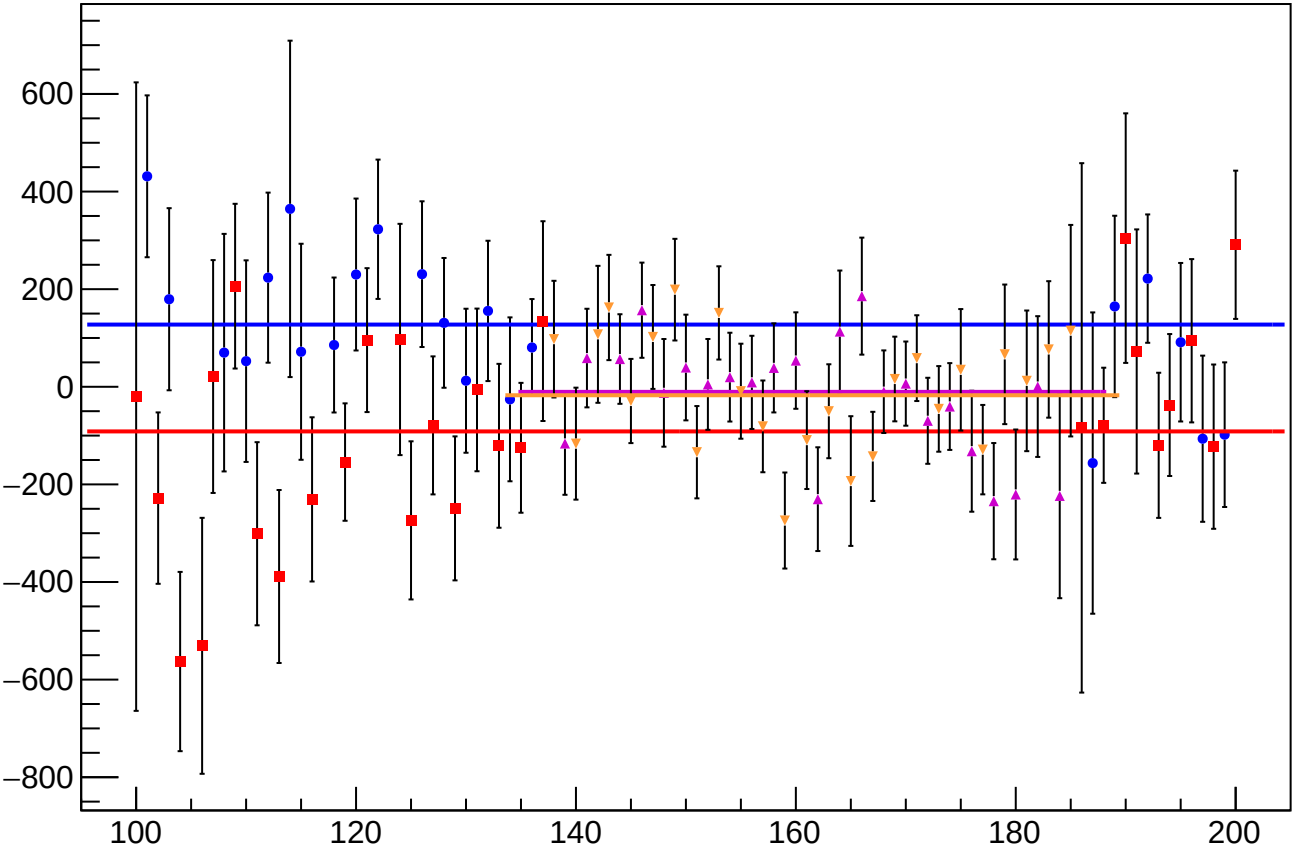
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343886.7/46

All: 975.088+/-0.094 χ^2/NDF: 16637094.8/97

- sign 991.207+/-0.134 χ^2/NDF: 9265271.9/50

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 127.467+/-34.142 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -91.448+/-32.282 χ^2/NDF: 35.2/27

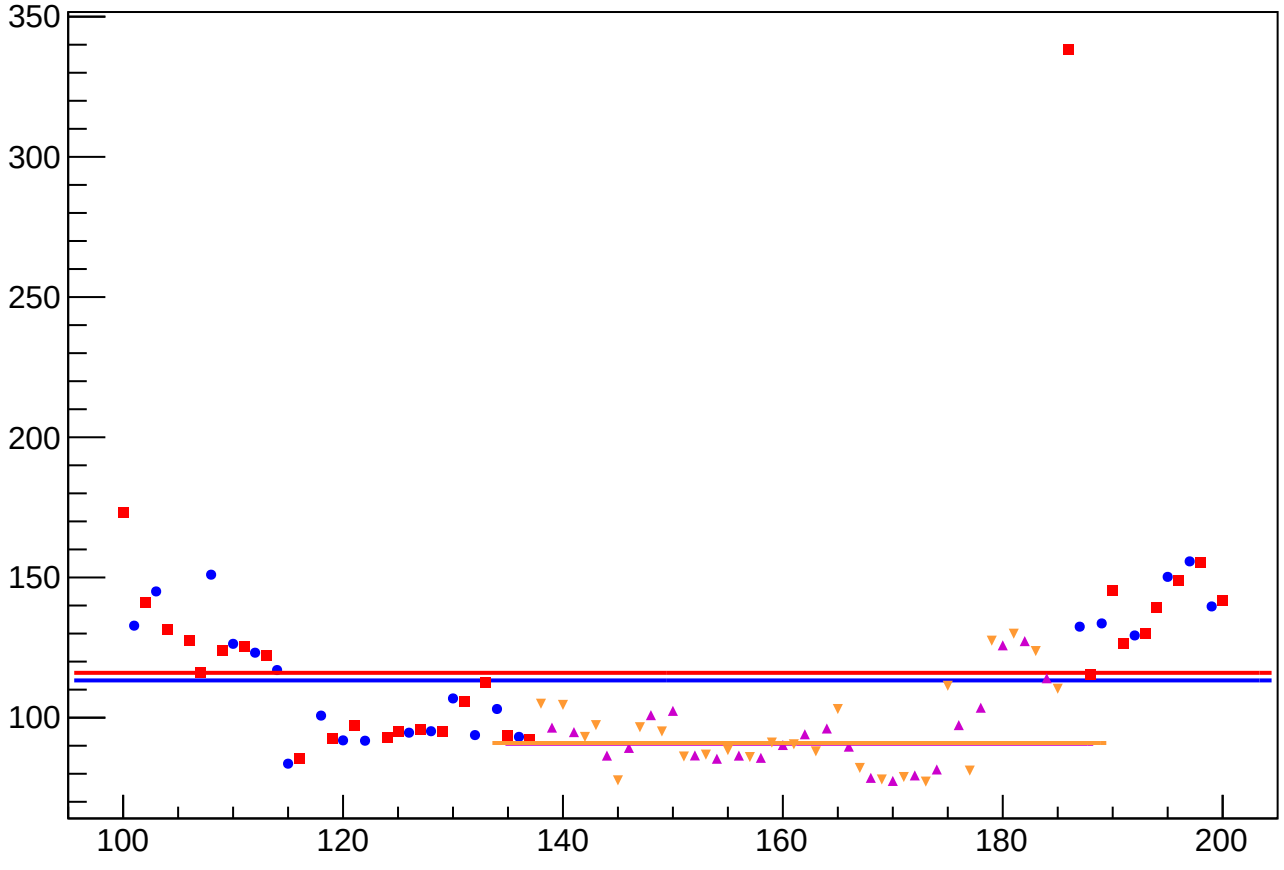
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.359+/-17.879 χ^2/NDF: 59.0/46

All: -6.451+/-12.649 χ^2/NDF: 126.4/97

- sign -35.317+/-17.896 χ^2/NDF: 62.2/50

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.286+/-0.024 χ^2/NDF: 835027.1/21

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.994+/-0.023 χ^2/NDF: 1163909.5/27

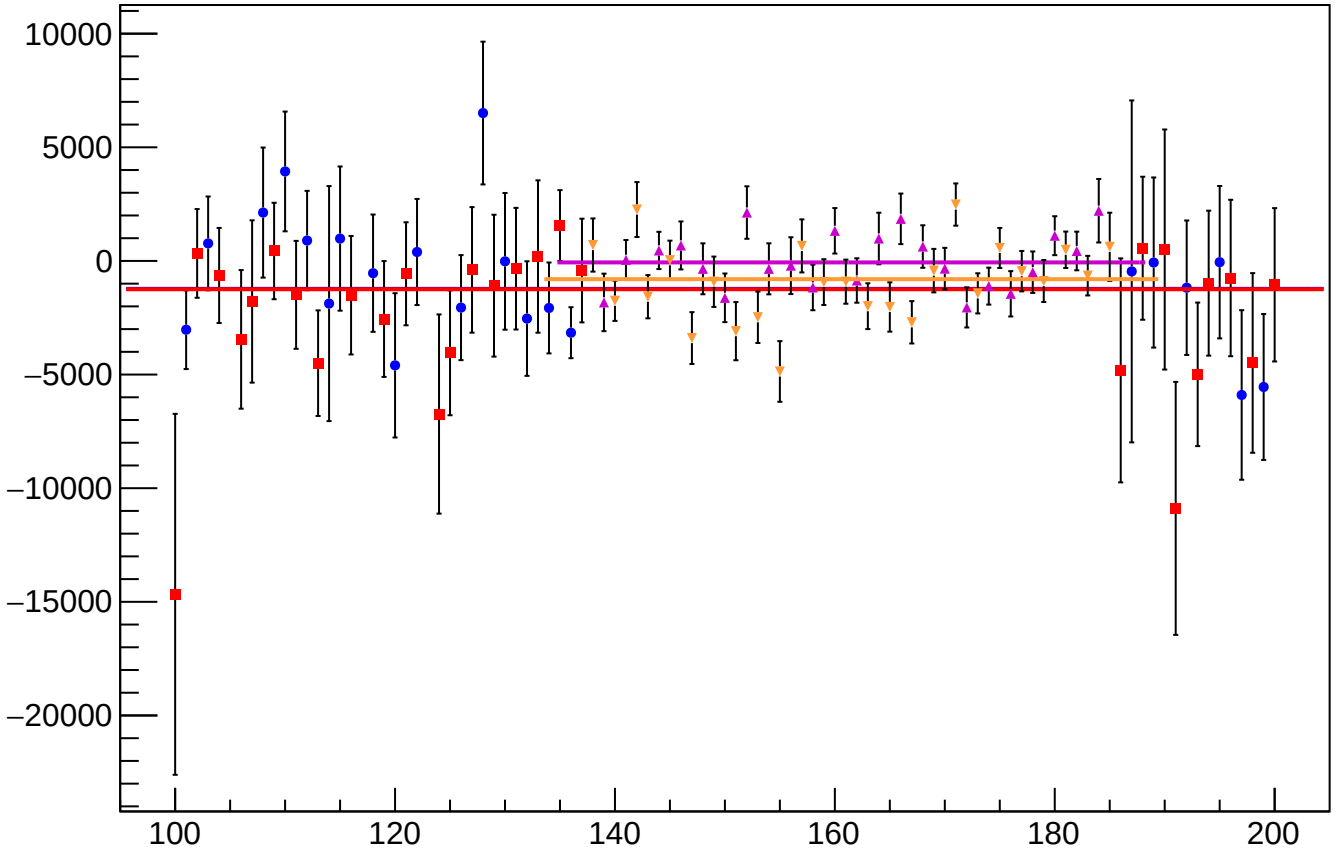
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

\+ sign 97.087+/-0.013 χ^2/NDF: 2239857.5/46

All: 97.776+/-0.009 χ^2/NDF: 4806838.0/97

\- sign 98.467+/-0.013 χ^2/NDF: 2561033.7/50

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1229.702+/-521.496 χ^2/NDF: 23.7/21

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1245.218+/-522.083 χ^2/NDF: 19.5/27

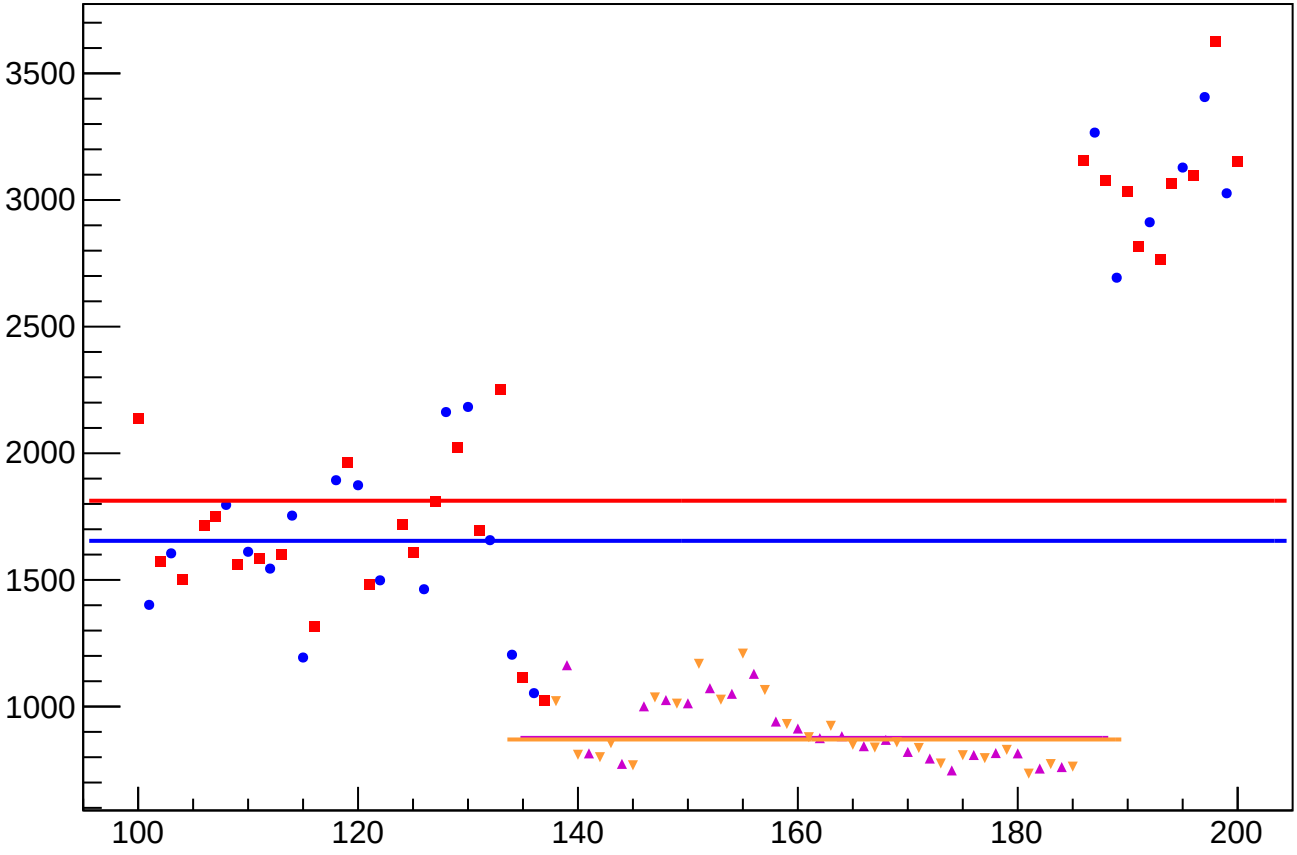
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -857.233+/-186.617 χ^2/NDF: 82.6/46

All: -550.421+/-133.877 χ^2/NDF: 142.9/97

- sign -225.086+/-192.167 χ^2/NDF: 54.7/50

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1654.292+/-0.369 χ^2/NDF: 2737939.2/21

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1812.647+/-0.369 χ^2/NDF: 3111211.6/27

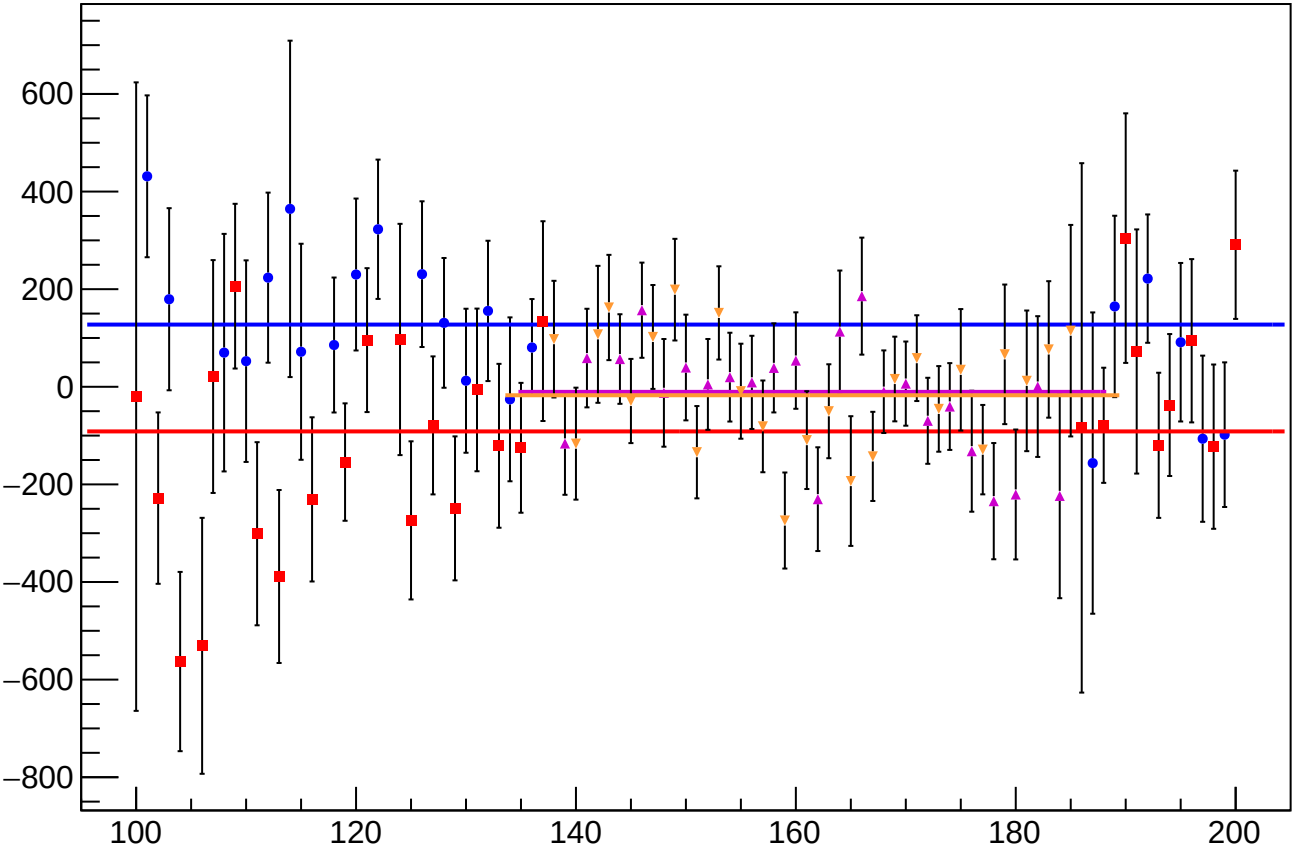
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 970.441+/-0.132 χ^2/NDF: 7329448.4/46

All: 986.309+/-0.095 χ^2/NDF: 16629549.6/97

- sign 1003.134+/-0.136 χ^2/NDF: 9270308.6/50

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 127.469+/-34.141 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -91.448+/-32.282 χ^2/NDF: 35.2/27

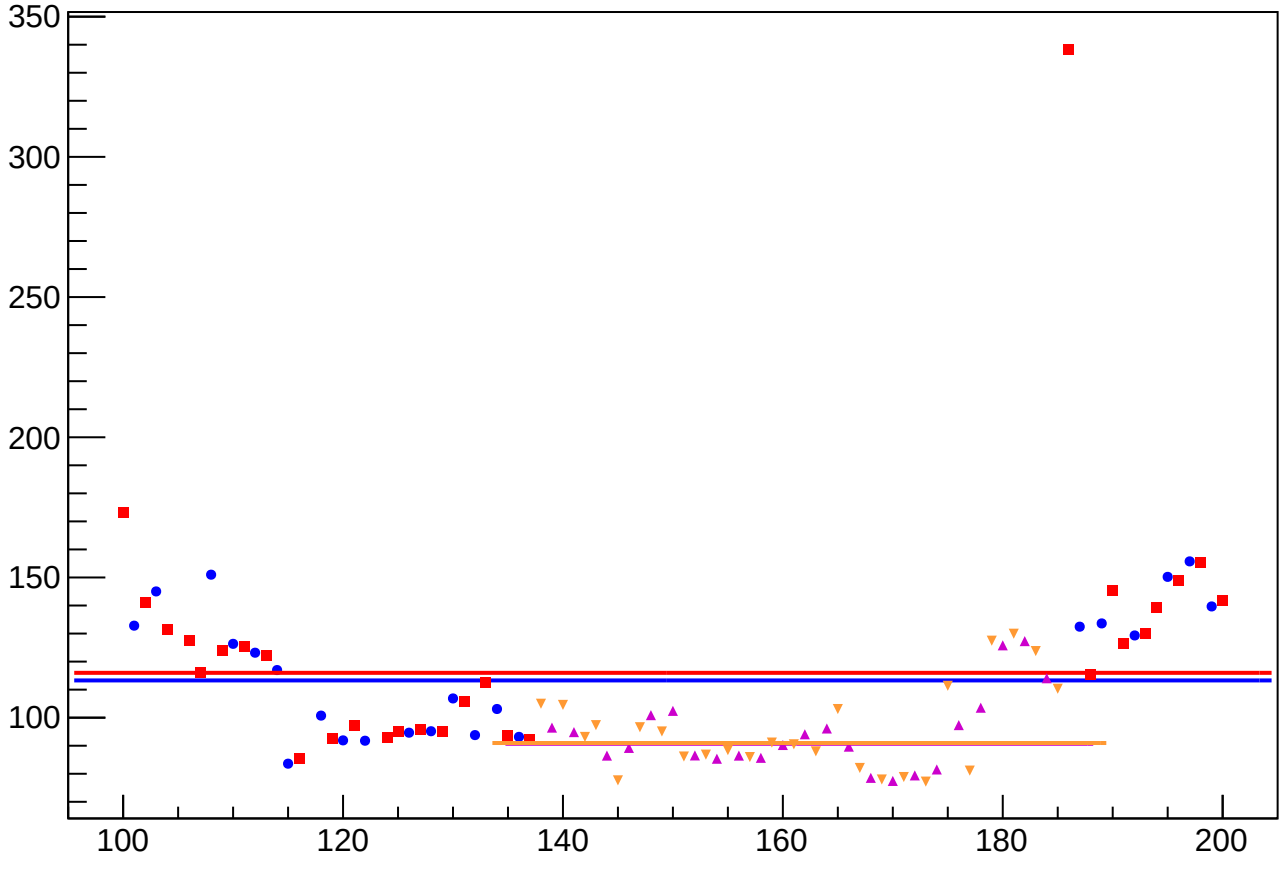
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.360+/-17.879 χ^2/NDF: 59.0/46

All: -6.451+/-12.648 χ^2/NDF: 126.4/97

- sign -35.317+/-17.896 χ^2/NDF: 62.2/50

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.285+/-0.024 χ^2/NDF: 835048.6/21

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

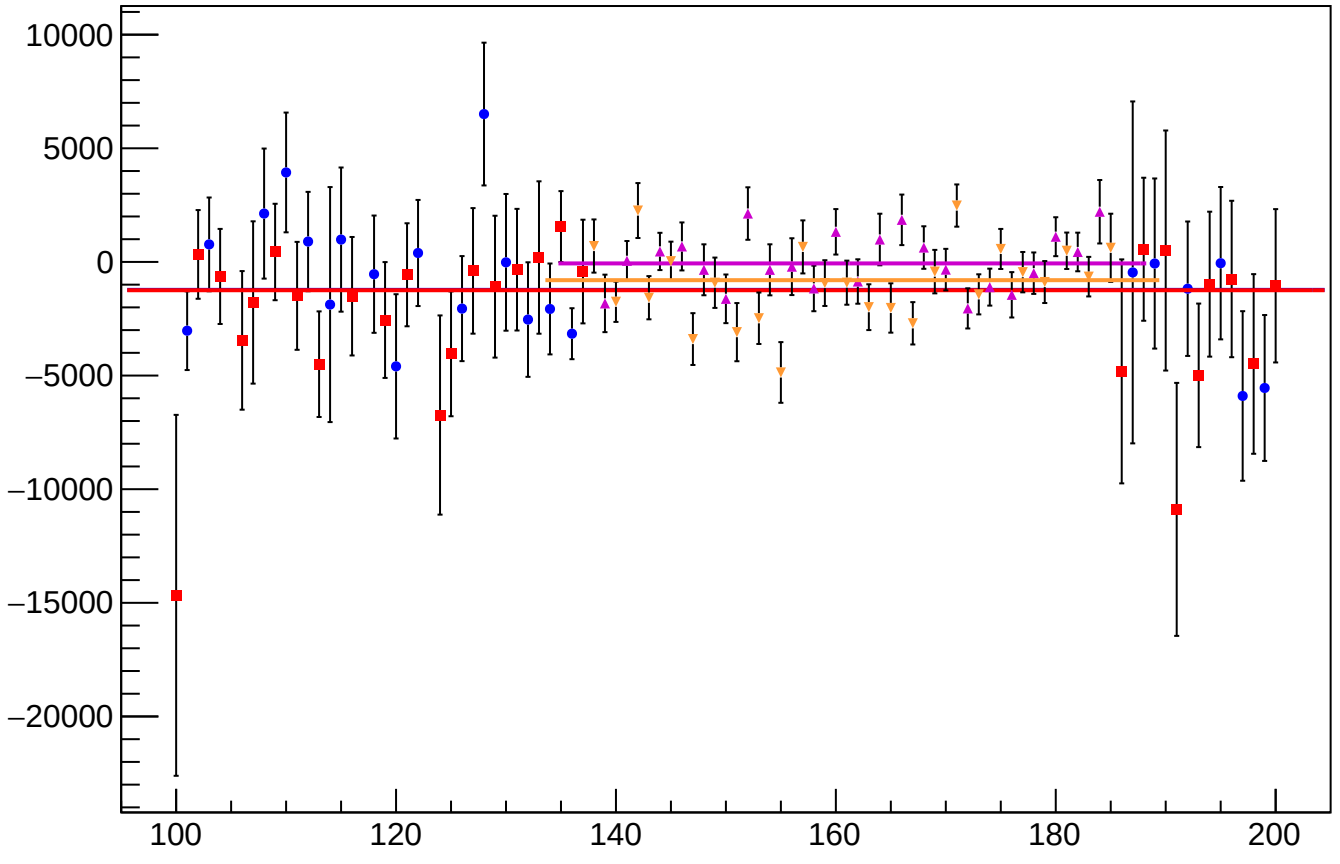
Right Out: 115.993+/-0.023 χ^2/NDF: 1163927.1/27

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 97.087+/-0.013 χ^2/NDF: 2239833.8/46

All: 97.776+/-0.009 χ^2/NDF: 4806787.6/97

- sign 98.467+/-0.013 χ^2/NDF: 2561007.5/50



Right In: -1229.698+/-521.495 χ^2/NDF: 23.7/21

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

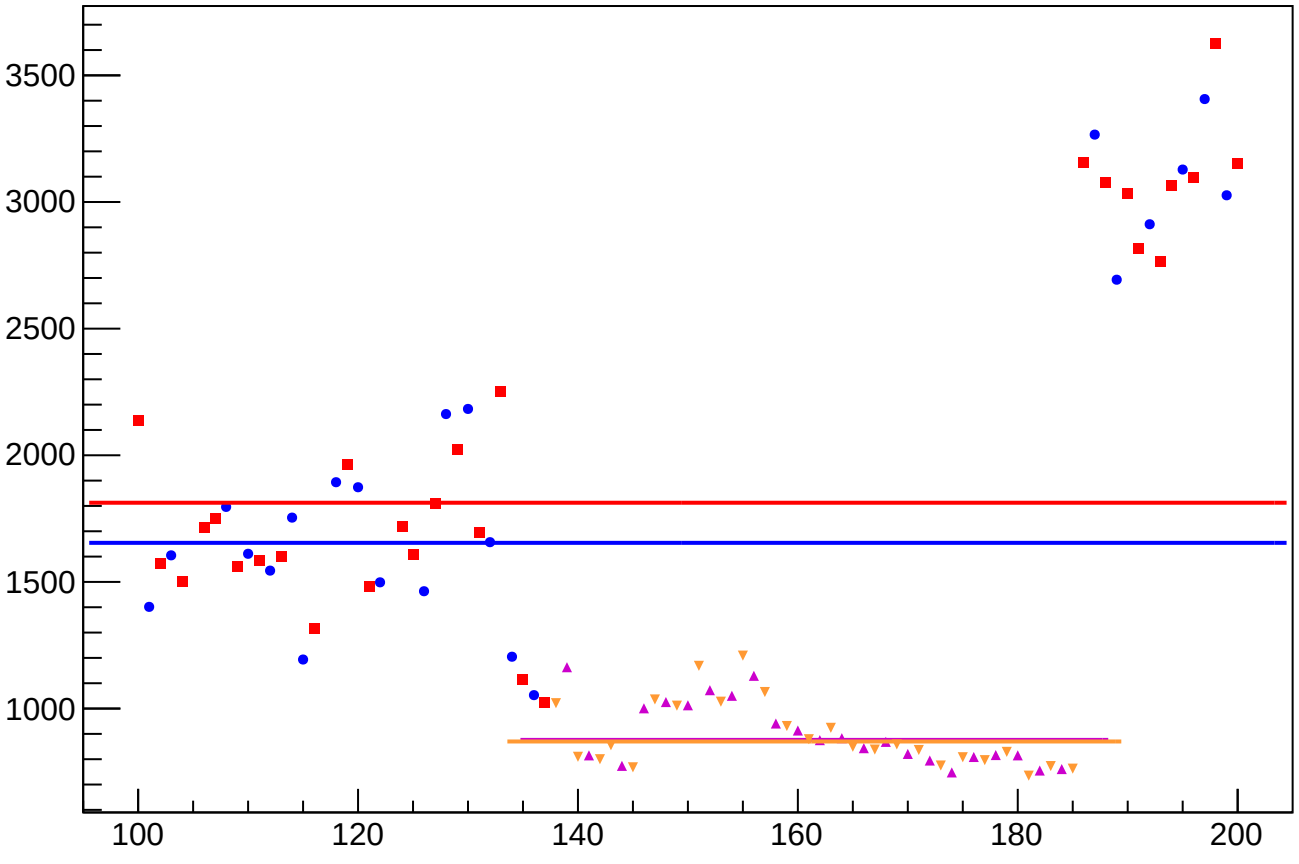
Right Out: -1245.217+/-522.083 χ^2/NDF: 19.5/27

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -857.233+/-186.617 χ^2/NDF: 82.6/46

All: -550.421+/-133.877 χ^2/NDF: 142.9/97

- sign -225.086+/-192.167 χ^2/NDF: 54.7/50



Right In: 1654.289+/-0.369 χ^2/NDF: 2737941.3/21

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1812.643+/-0.369 χ^2/NDF: 3111219.4/27

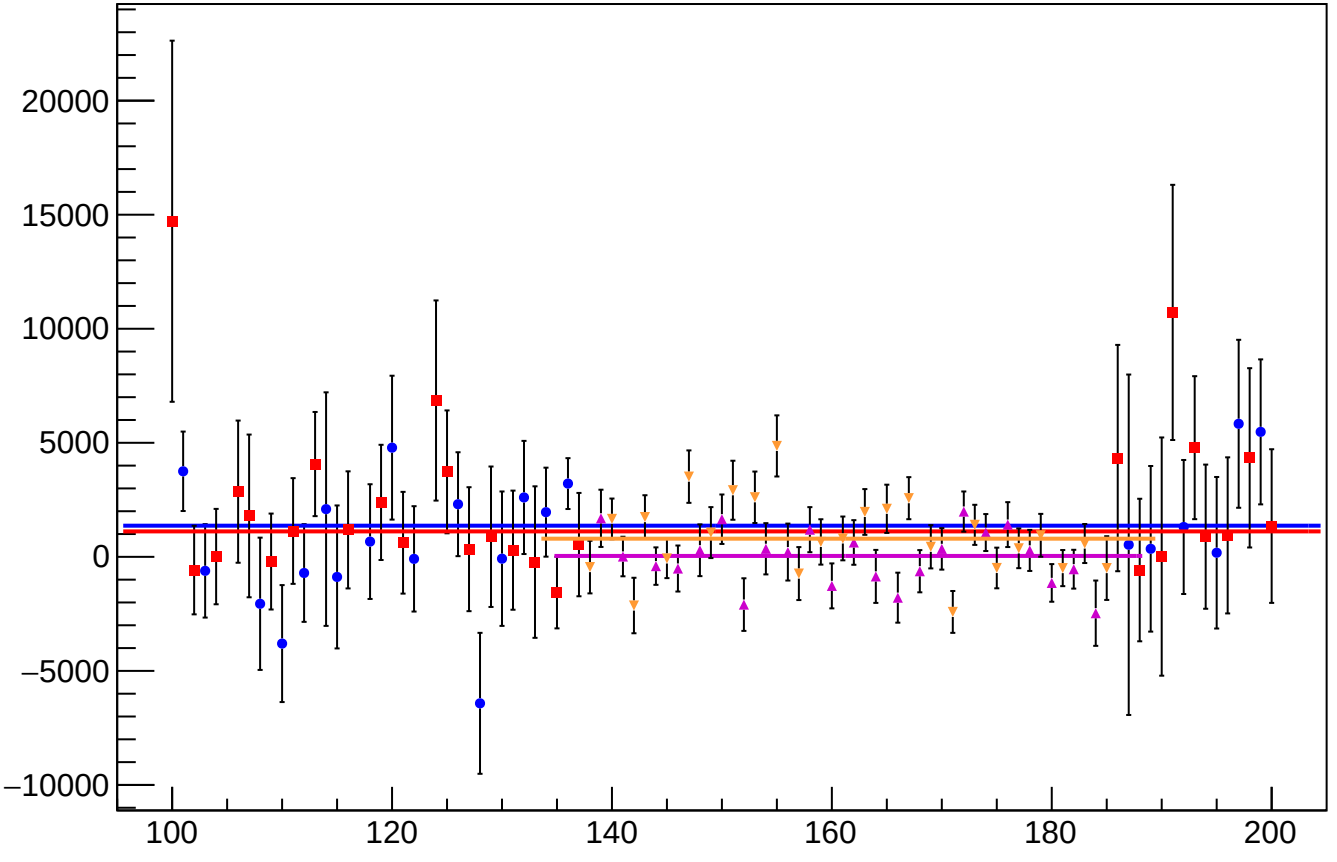
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 970.440+/-0.132 χ^2/NDF: 7329442.4/46

All: 986.308+/-0.095 χ^2/NDF: 16629539.1/97

- sign 1003.133+/-0.136 χ^2/NDF: 9270304.3/50

asym_sam_24_68_dd_mean vs Slug



Right In: 1366.169+/-515.836 χ^2/NDF: 24.6/21

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1115.779+/-518.089 χ^2/NDF: 18.5/27

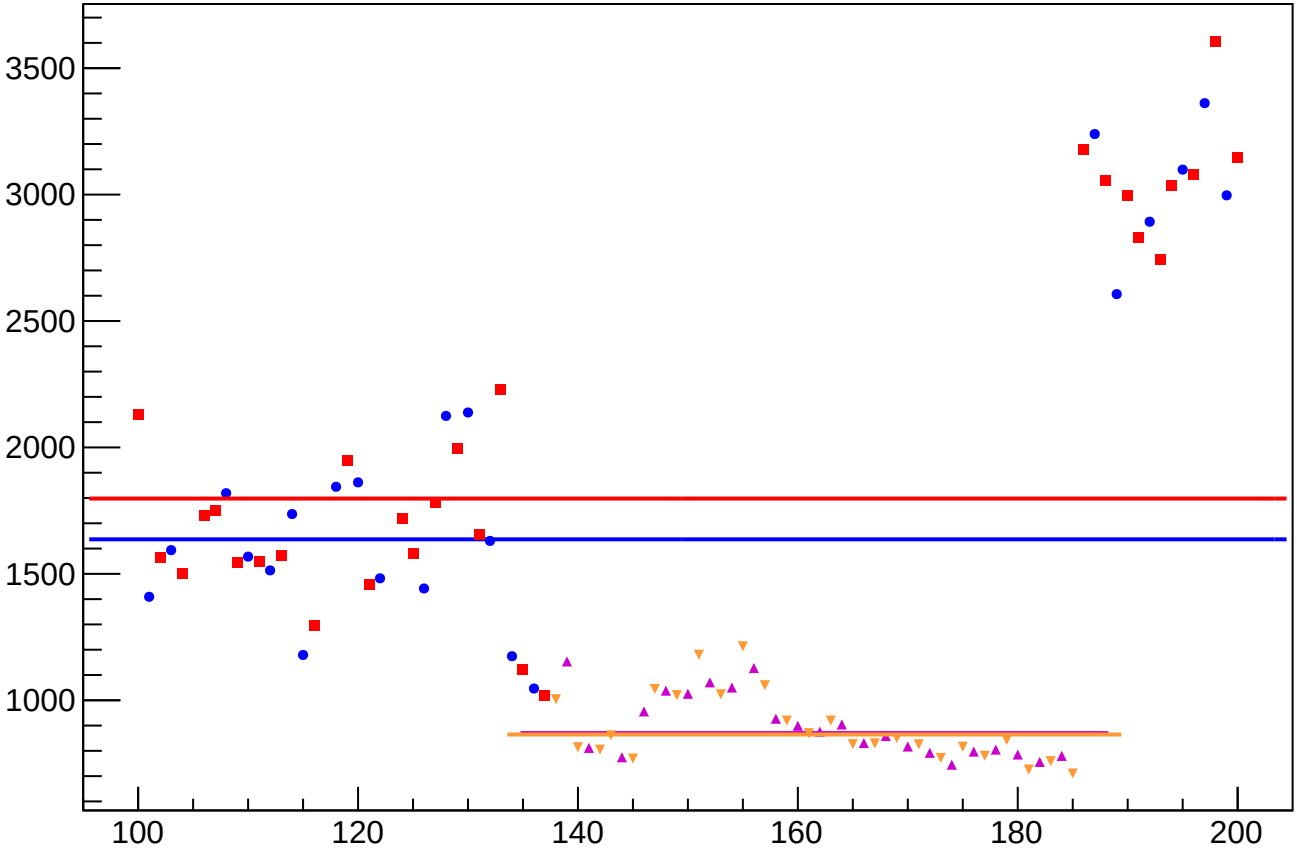
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 869.986+/-185.502 χ^2/NDF: 82.8/46

All: 537.723+/-133.038 χ^2/NDF: 141.4/97

- sign 185.840+/-190.901 χ^2/NDF: 51.9/50

asym_sam_24_68_dd_rms vs Slug



Right In: 1636.554+/-0.365 χ^2/NDF: 2715484.4/21

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

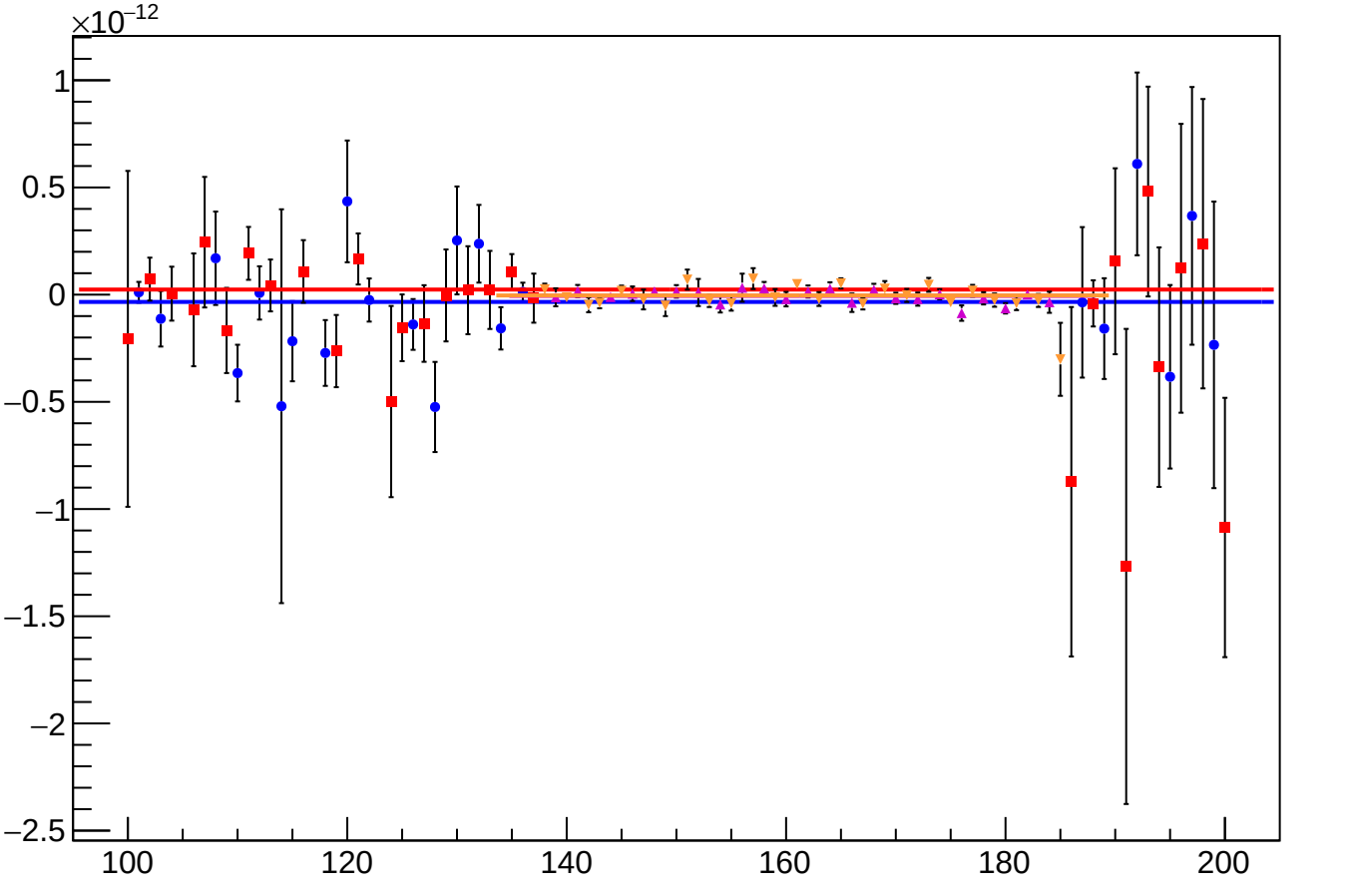
Right Out: 1797.782+/-0.366 χ^2/NDF: 3111672.4/27

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 964.463+/-0.131 χ^2/NDF: 7303903.3/46

All: 979.908+/-0.094 χ^2/NDF: 16587480.1/97

- sign 996.265+/-0.135 χ^2/NDF: 9255029.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

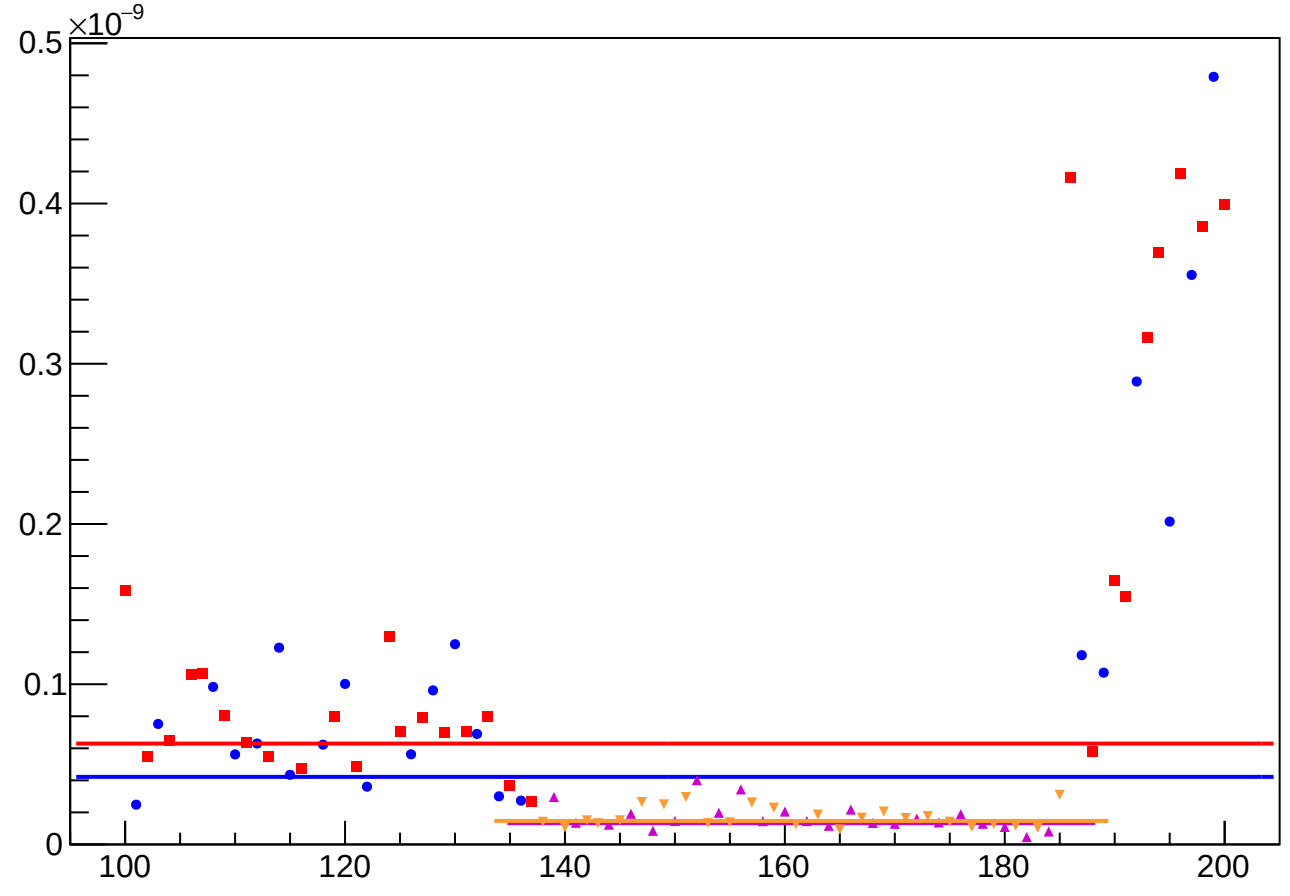
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/27

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.3/46

All: -0.000+/-0.000 χ^2/NDF: 113.6/97

- sign -0.000+/-0.000 χ^2/NDF: 42.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4017718.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3998797.1/27

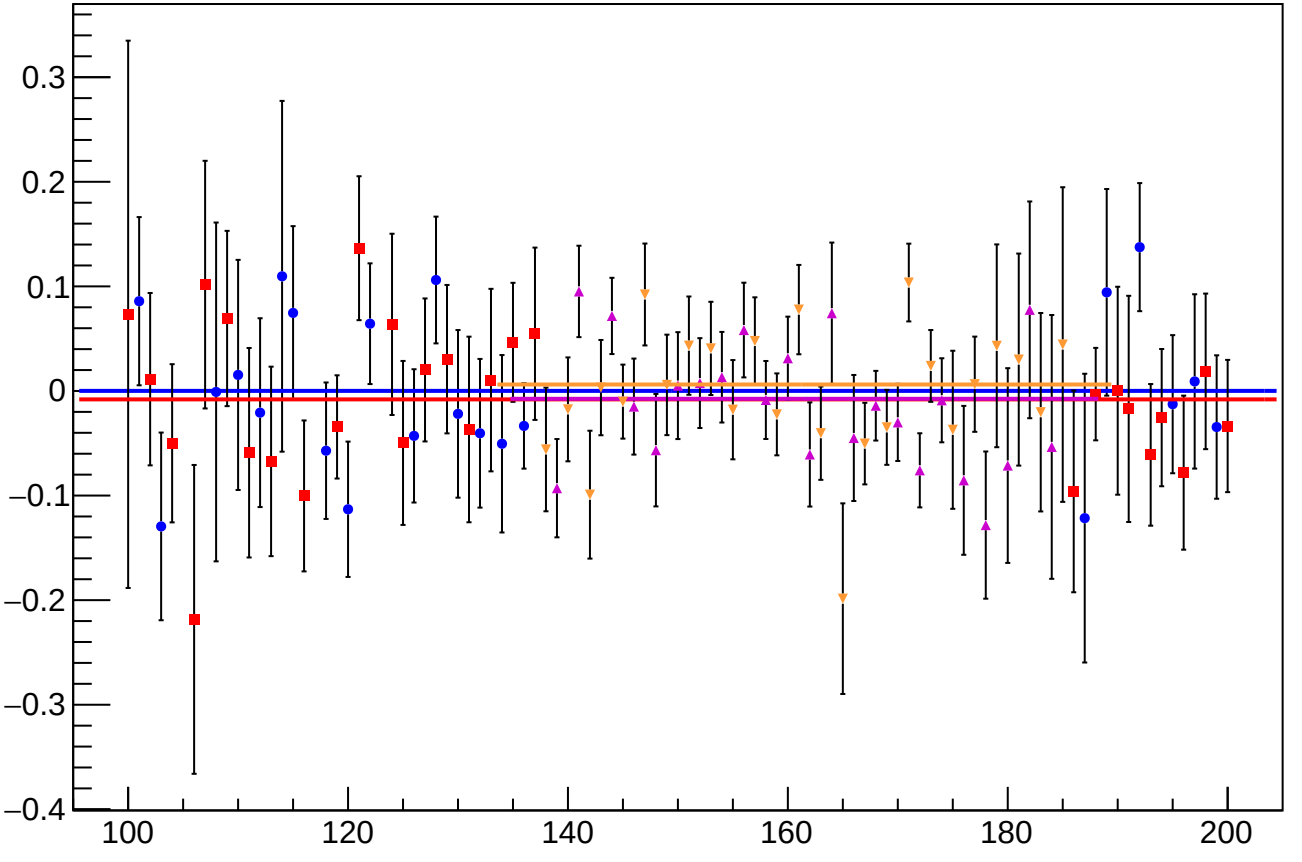
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7430936.8/46

All: 0.000+/-0.000 χ^2/NDF: 18136131.6/97

- sign 0.000+/-0.000 χ^2/NDF: 10661272.2/50

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

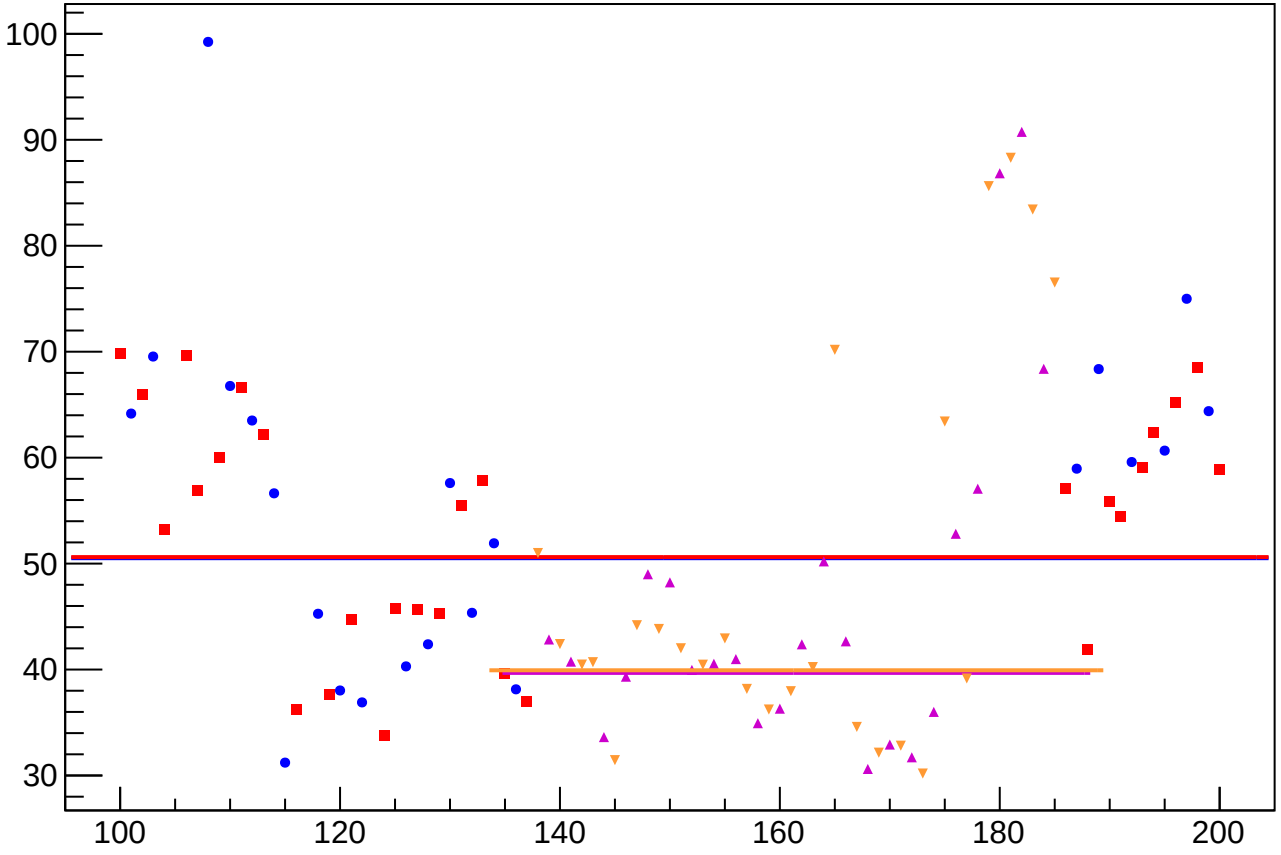
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.002+/-0.006 χ^2/NDF: 101.1/97

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

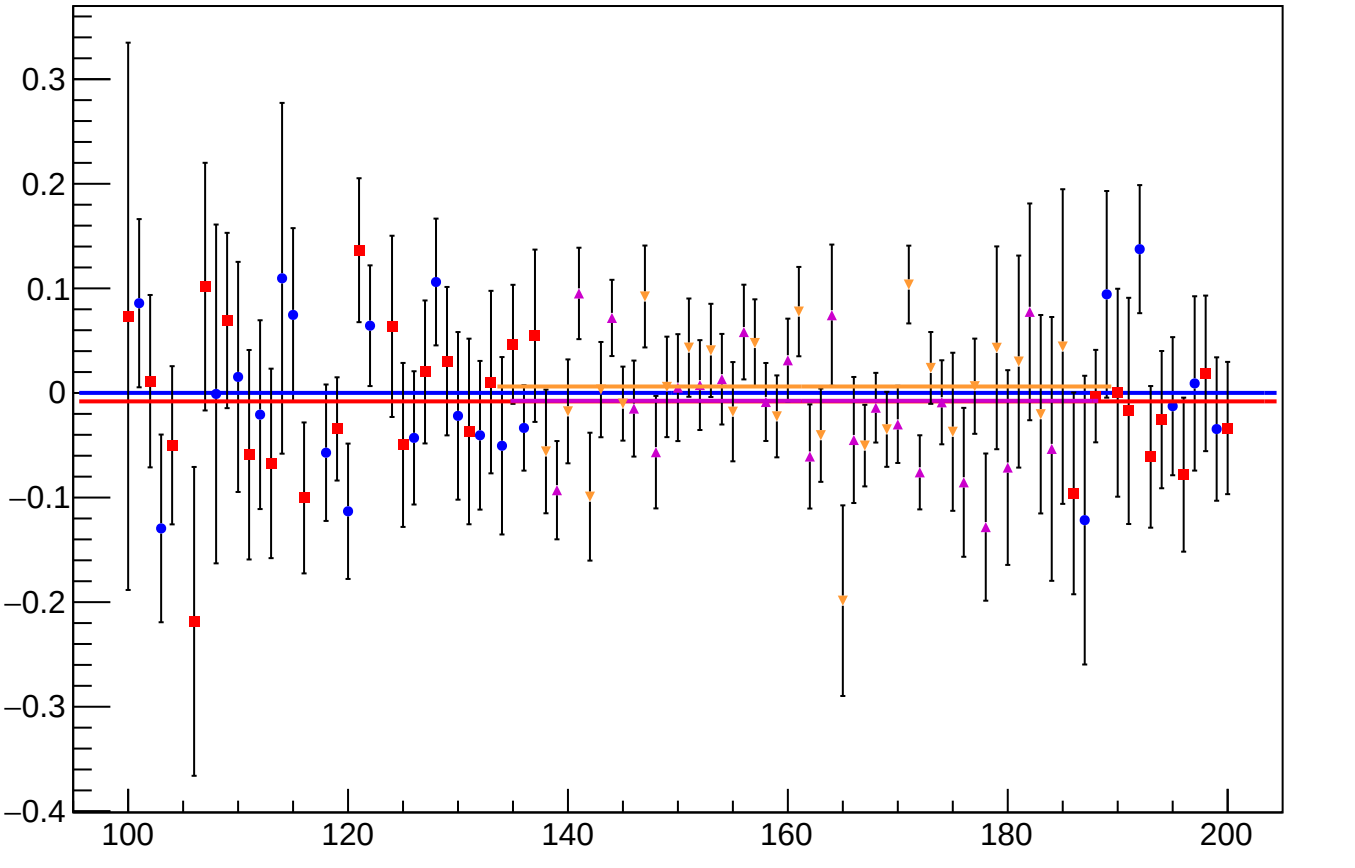
Right Out: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.818+/-0.006 χ^2/NDF: 4582306.1/46

All: 43.003+/-0.004 χ^2/NDF: 8433705.9/97

- sign 43.183+/-0.006 χ^2/NDF: 3849370.1/50



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

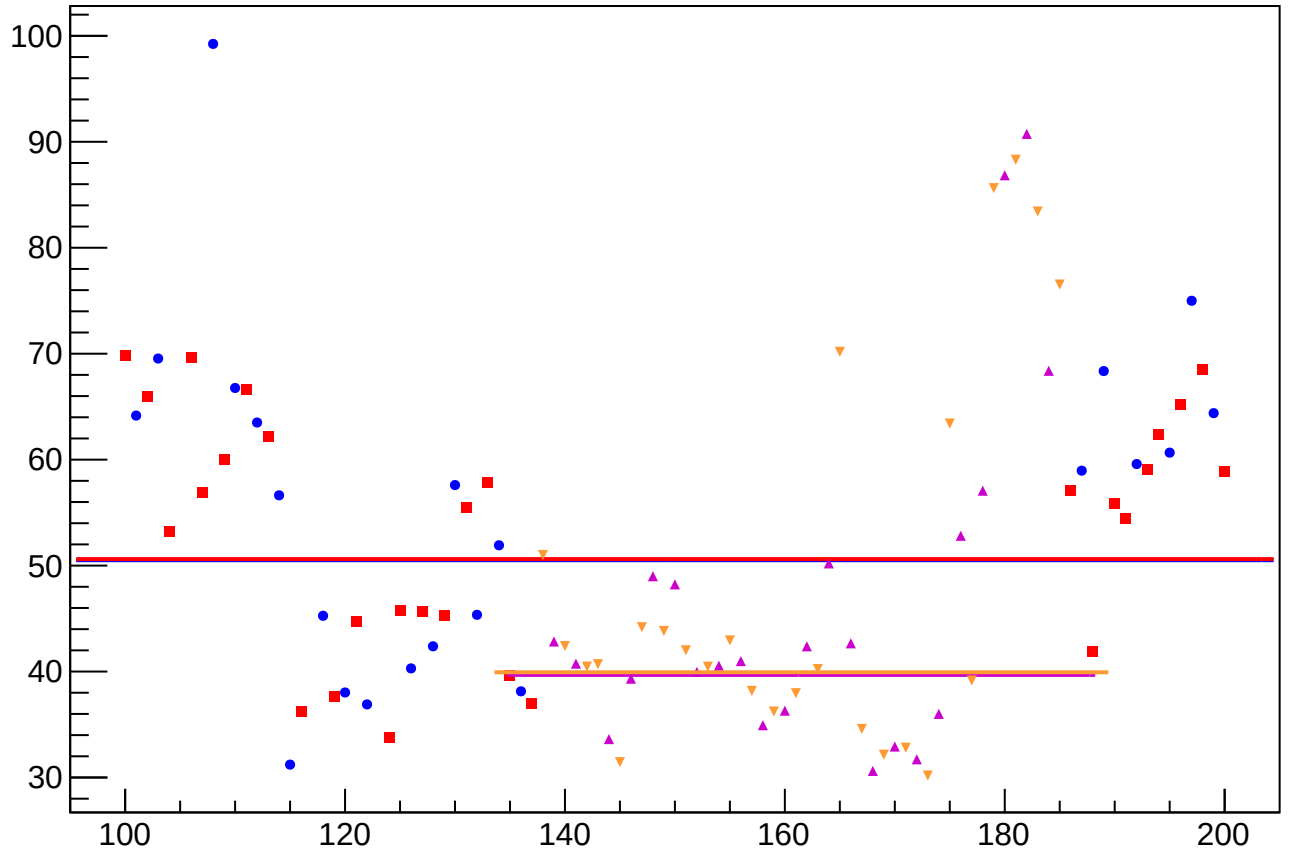
Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.002+/-0.006 χ^2/NDF: 101.1/97

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

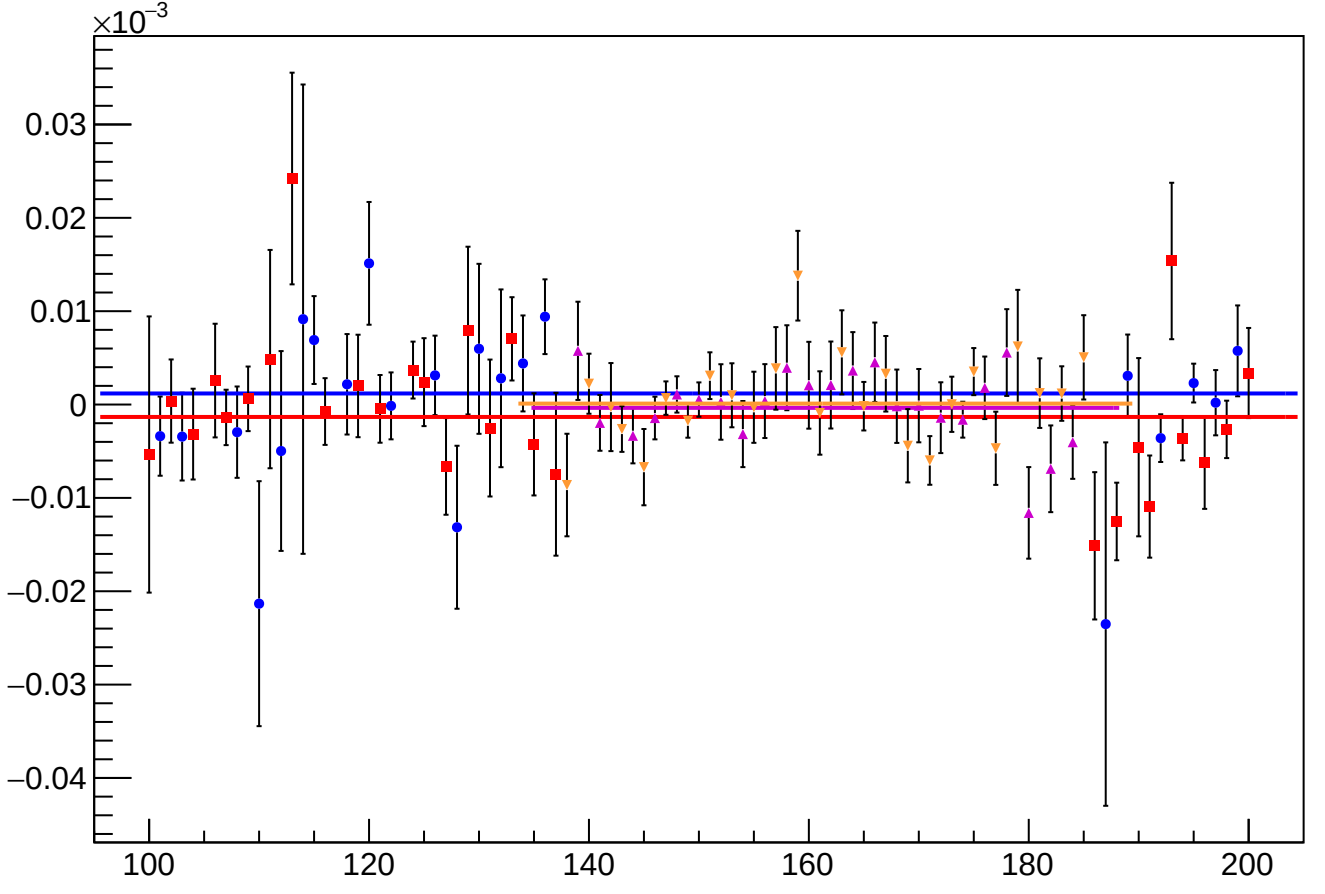
Right Out: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

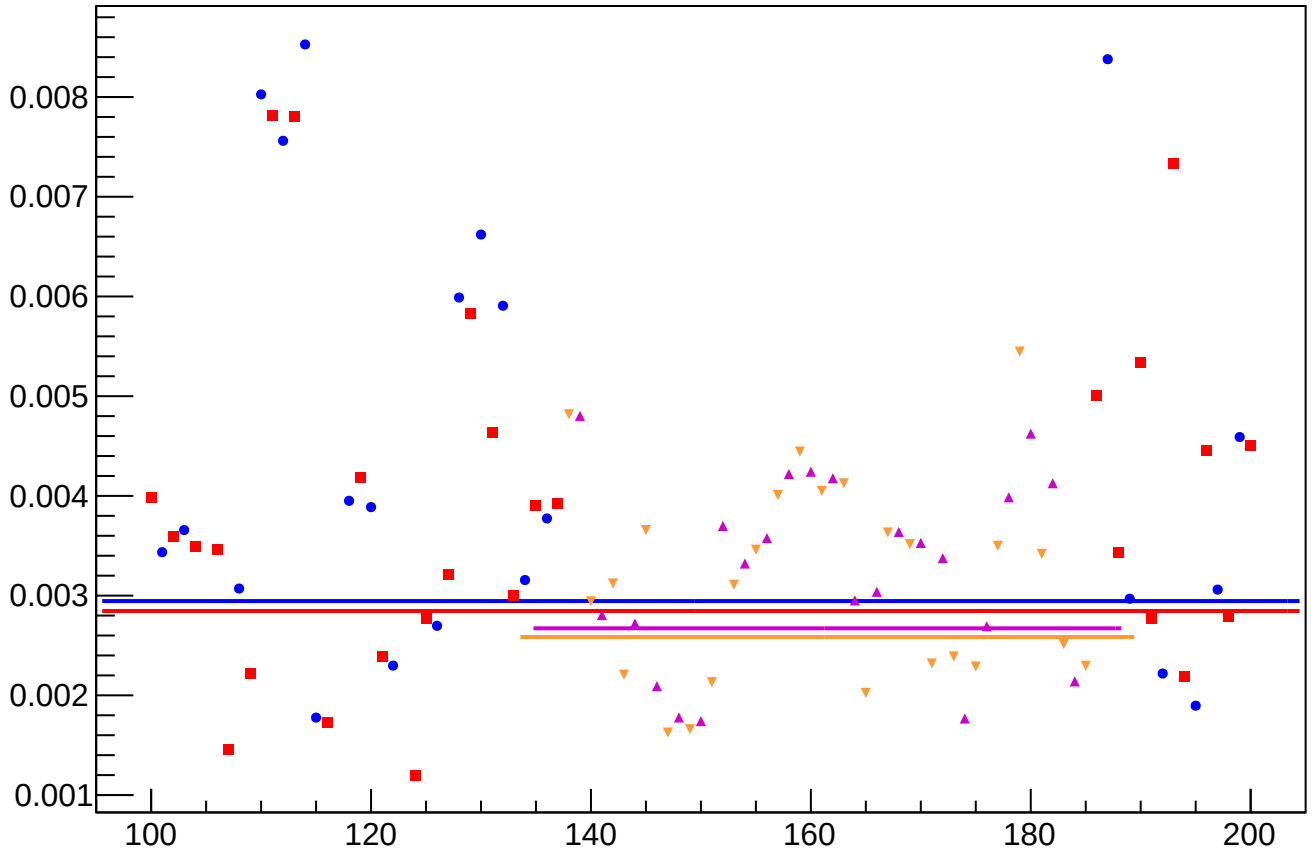
Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.818+/-0.006 χ^2/NDF: 4582306.1/46

All: 43.003+/-0.004 χ^2/NDF: 8433705.9/97

- sign 43.183+/-0.006 χ^2/NDF: 3849370.1/50


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.7/21
Left Out: 0.000+/-0.000 χ²/NDF:33.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.3/27
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 60.8/46
All: -0.000+/-0.000 χ²/NDF: 120.0/97
- sign -0.000+/-0.000 χ²/NDF: 56.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 3060208.3/21

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

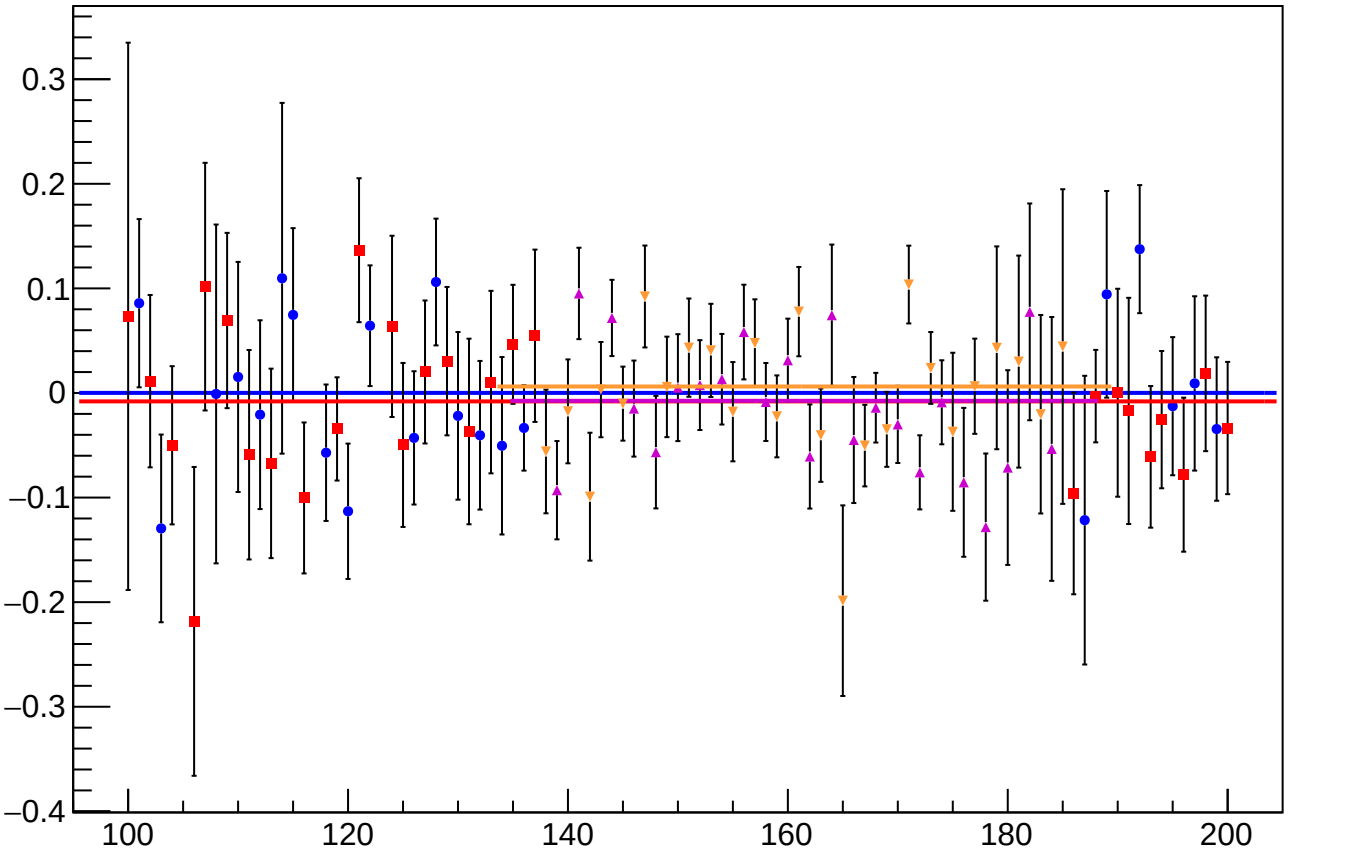
Right Out: 0.003+/-0.000 χ^2/NDF: 4272207.9/27

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

\+ sign 0.003+/-0.000 χ^2/NDF: 7152152.0/46

All: 0.003+/-0.000 χ^2/NDF: 15307983.9/97

\- sign 0.003+/-0.000 χ^2/NDF: 8148616.1/50



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

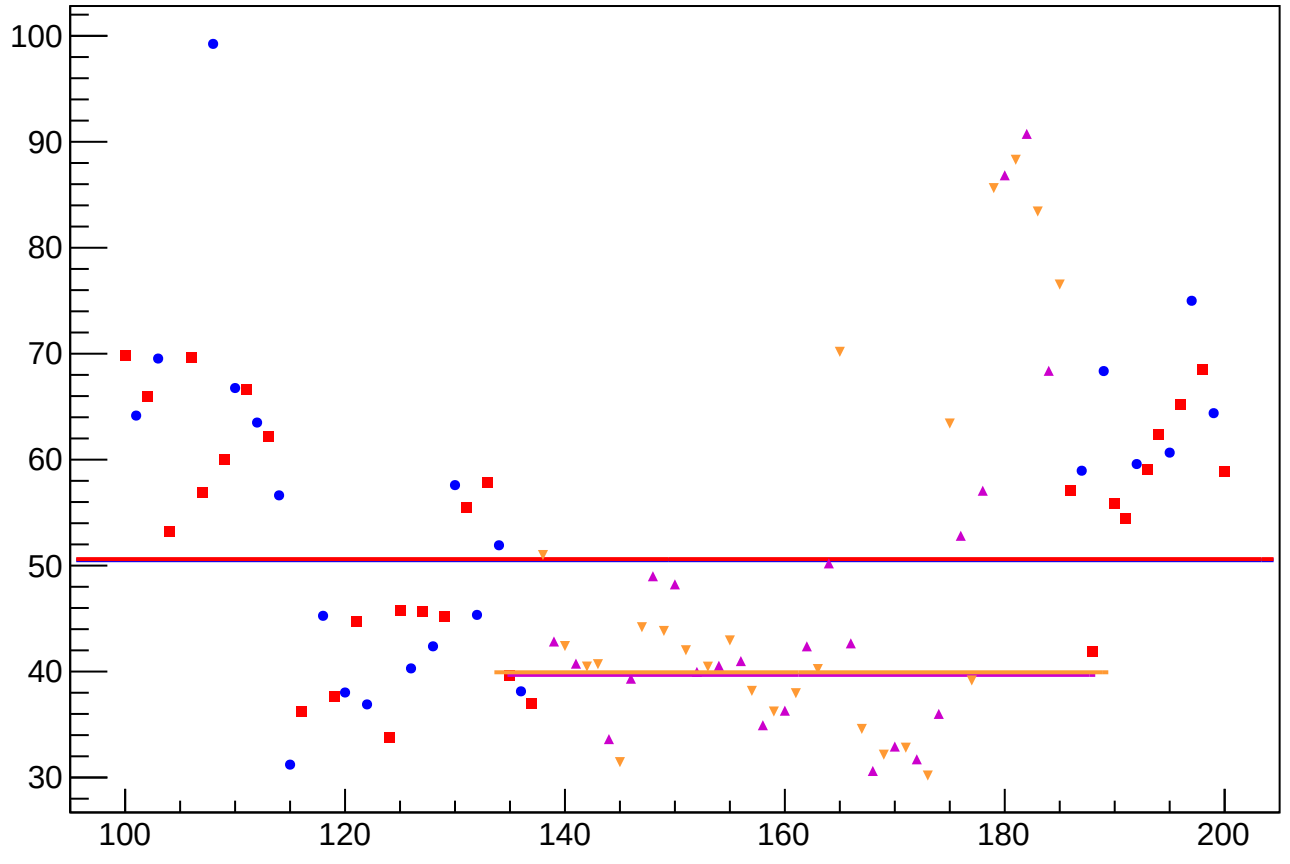
Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.002+/-0.006 χ^2/NDF: 101.1/97

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

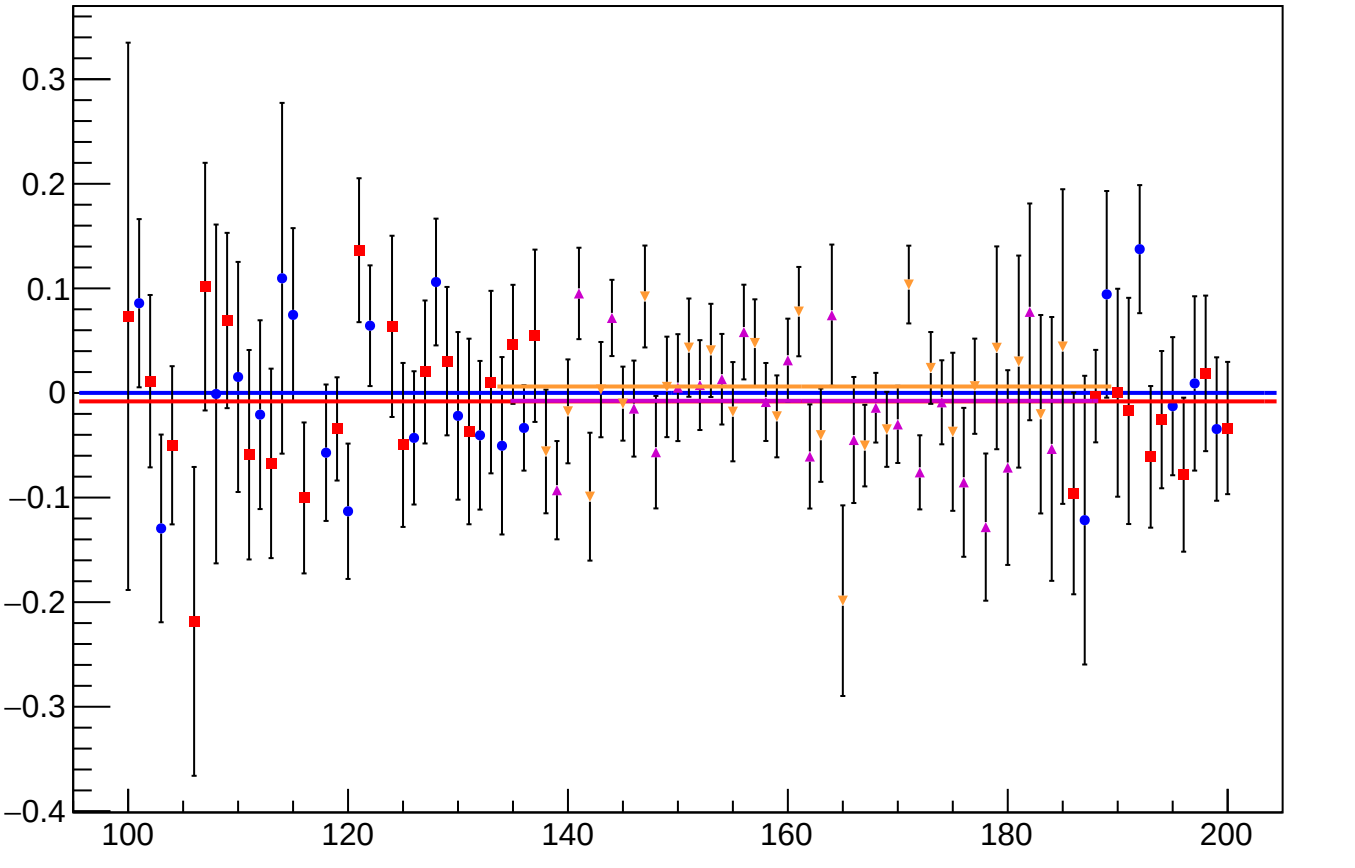
Right Out: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.817+/-0.006 χ^2/NDF: 4582217.0/46

All: 43.002+/-0.004 χ^2/NDF: 8433588.1/97

- sign 43.183+/-0.006 χ^2/NDF: 3849342.5/50



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

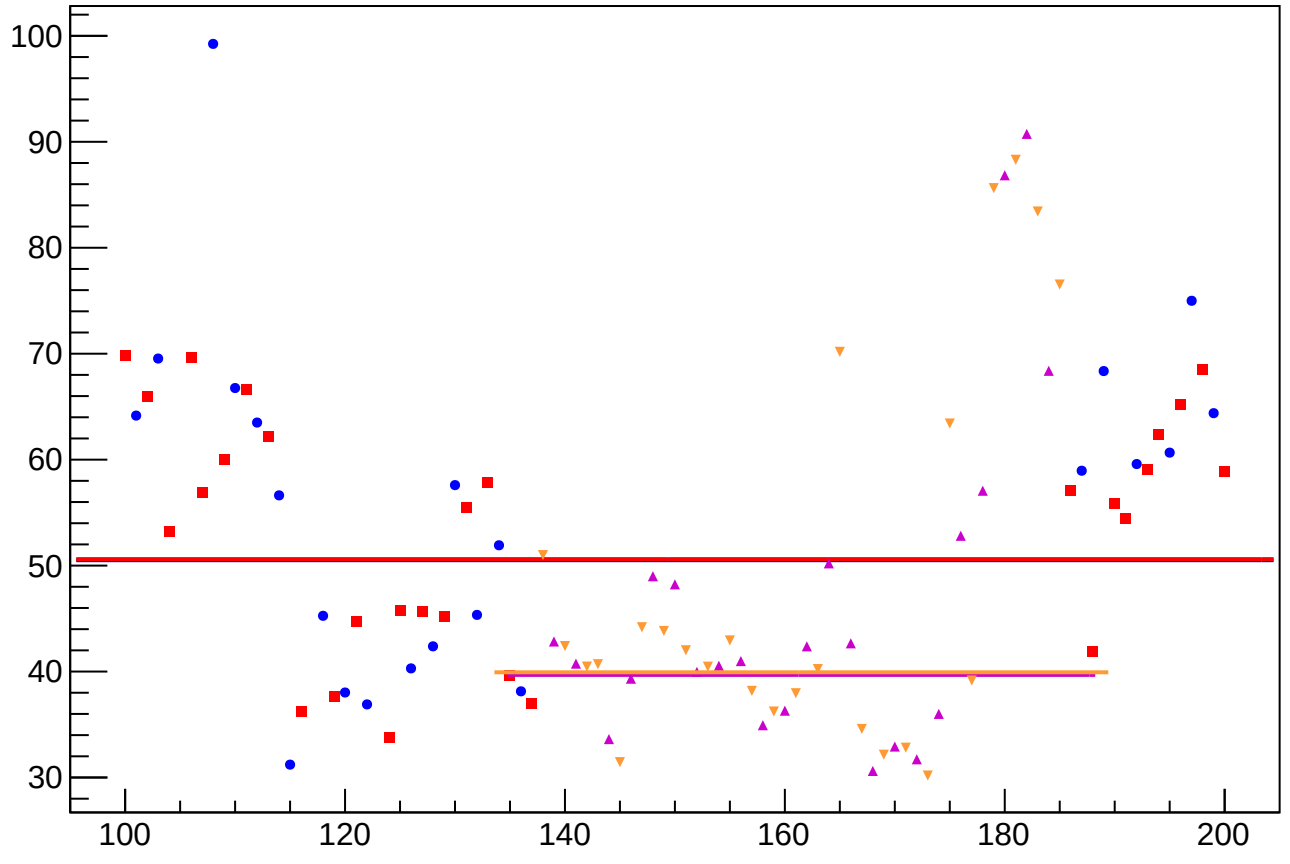
Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.002+/-0.006 χ^2/NDF: 101.1/97

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

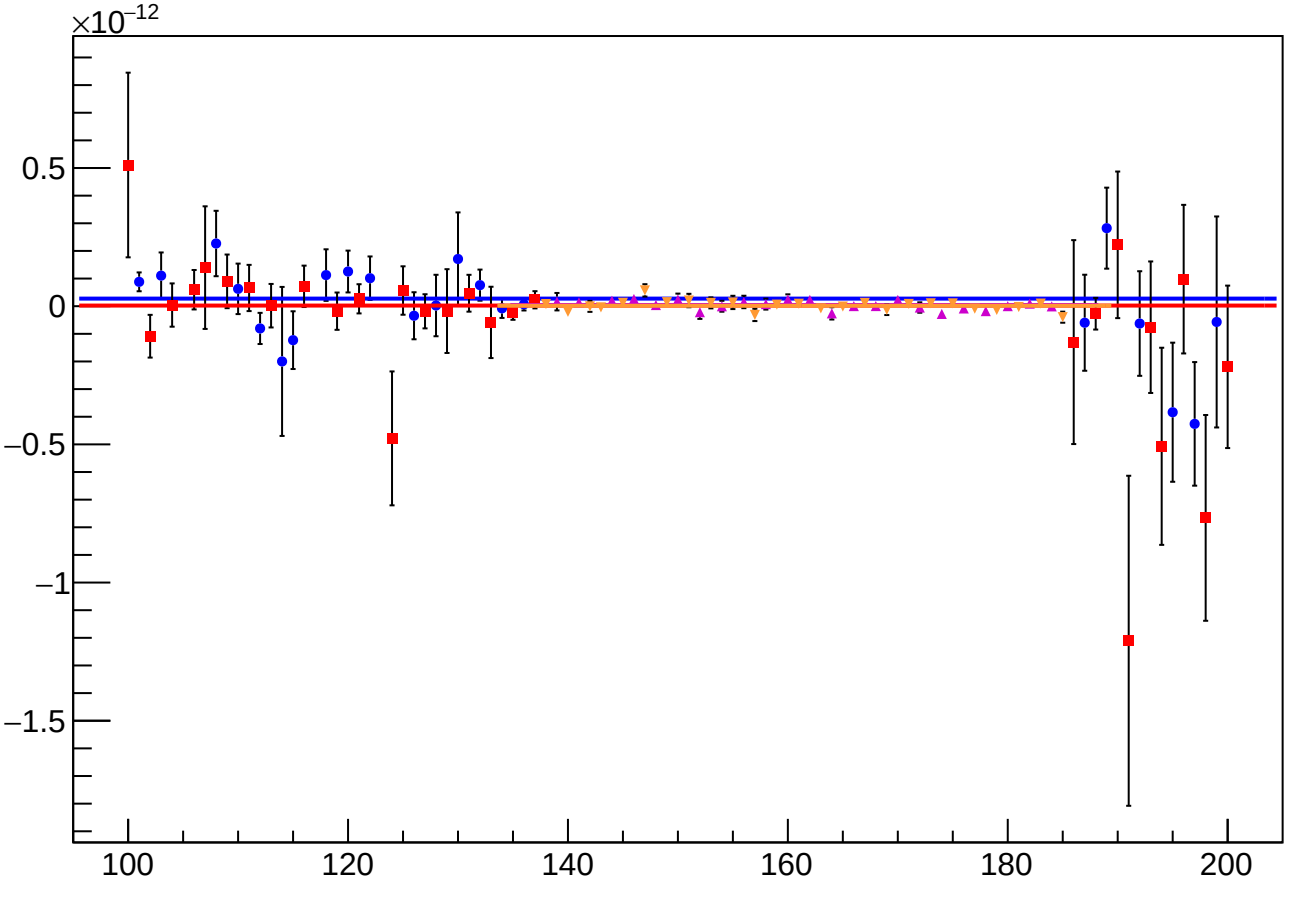
Right Out: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 42.817+/-0.006 χ^2/NDF: 4582217.0/46

All: 43.002+/-0.004 χ^2/NDF: 8433588.1/97

\- sign 43.183+/-0.006 χ^2/NDF: 3849342.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

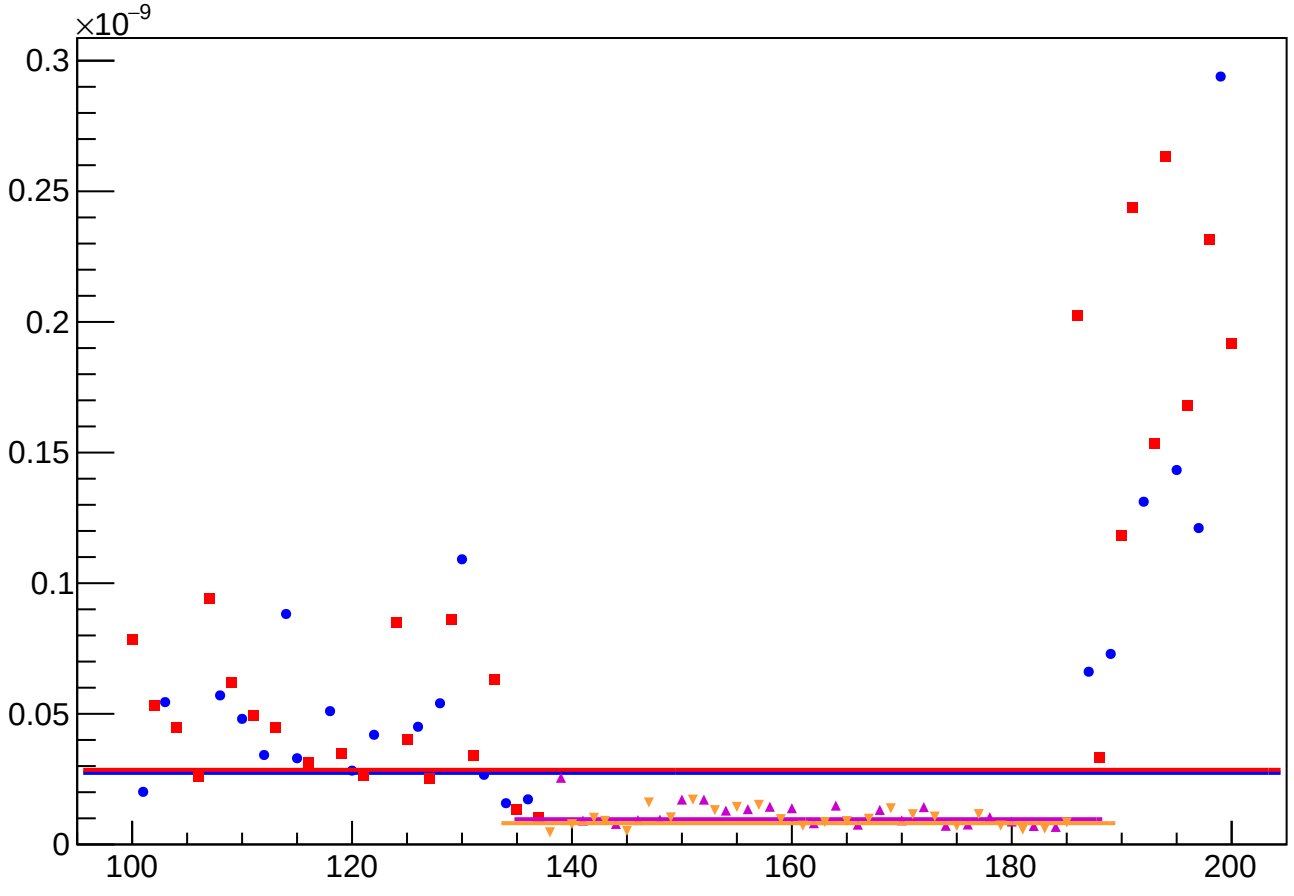
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/46

All: 0.000+/-0.000 χ^2/NDF: 117.1/97

- sign 0.000+/-0.000 χ^2/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4813572.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6985792.6/27

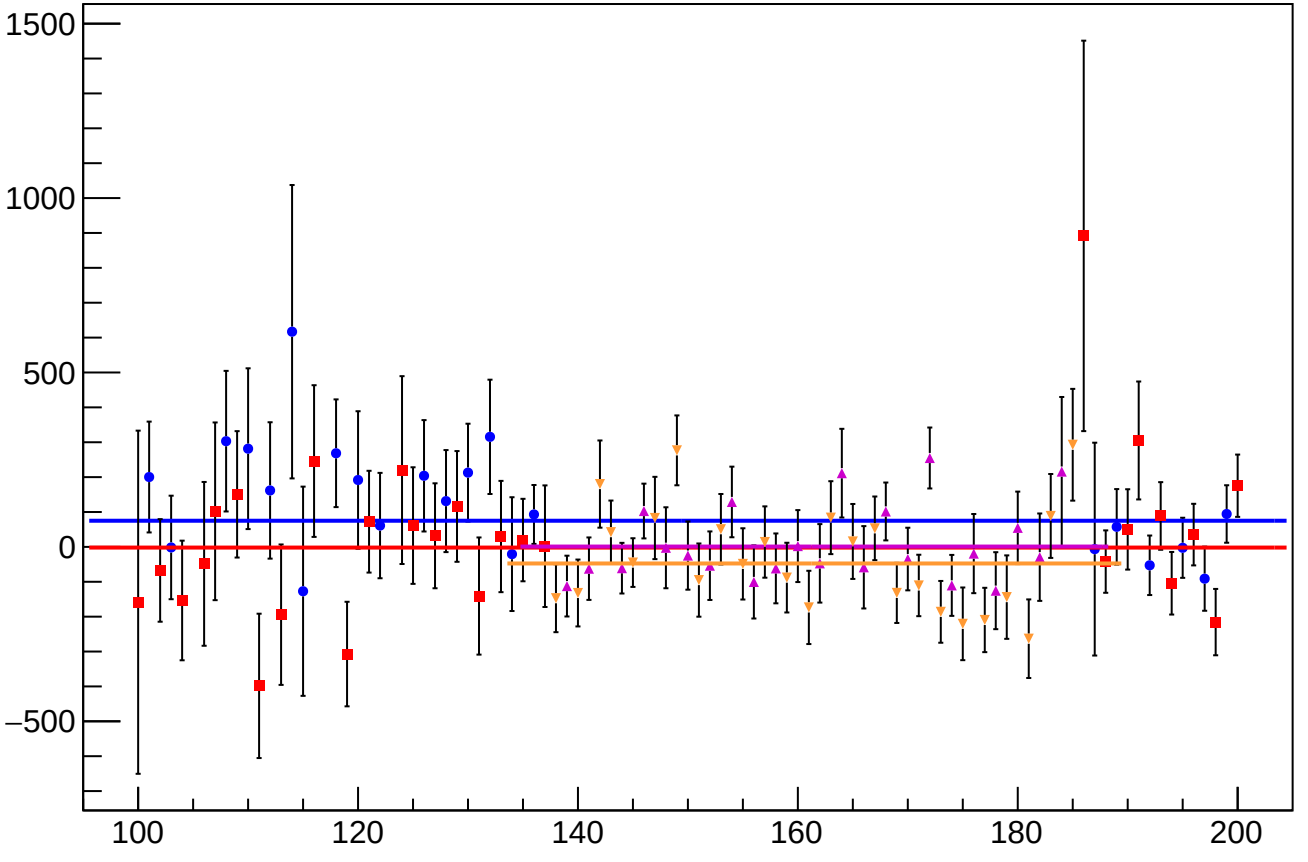
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11190109.8/46

All: 0.000+/-0.000 χ^2/NDF: 24234393.5/97

- sign 0.000+/-0.000 χ^2/NDF: 12665665.9/50

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 74.984+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -1.929+/-26.213 χ^2/NDF: 32.1/27

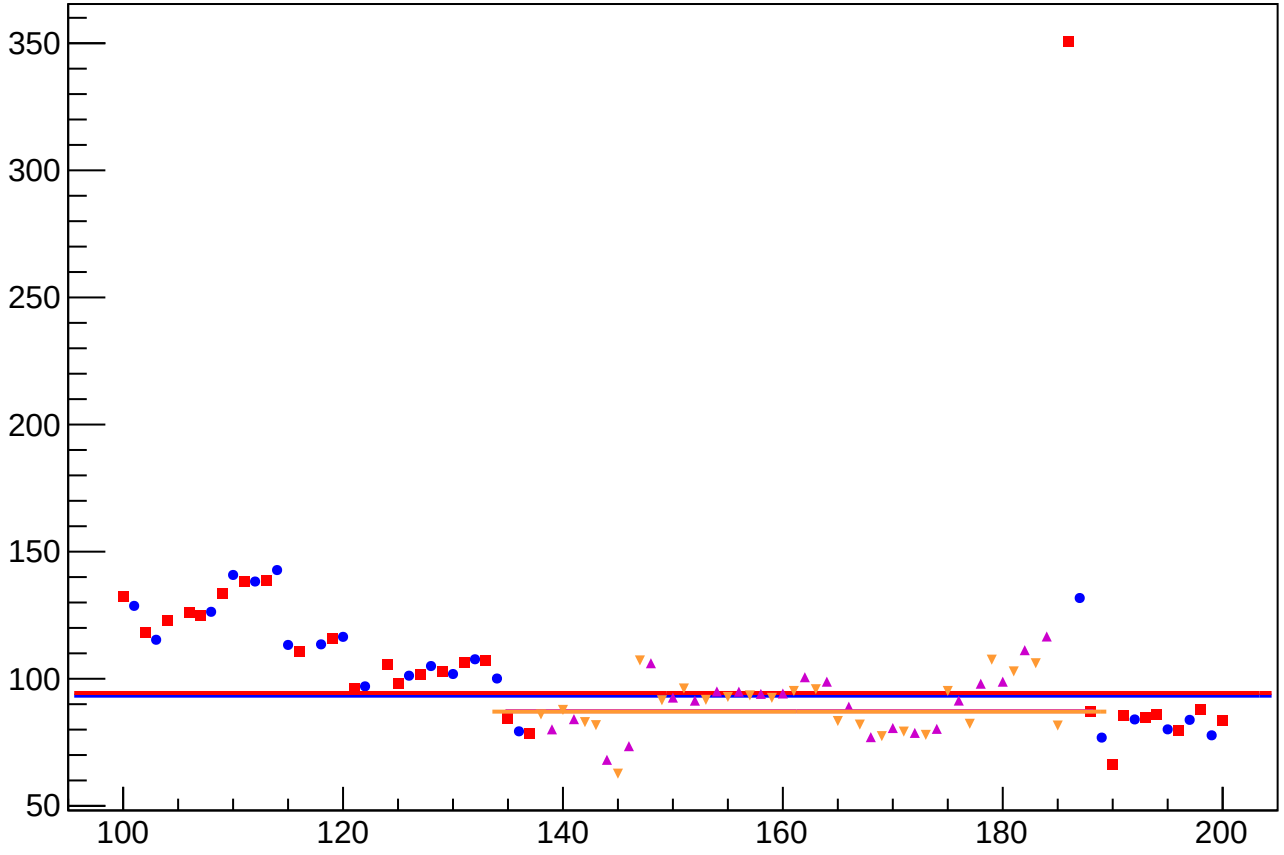
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -6.325+/-16.280 χ^2/NDF: 74.6/46

All: -3.211+/-11.483 χ^2/NDF: 132.2/97

- sign -0.127+/-16.199 χ^2/NDF: 57.5/50

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827726.8/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

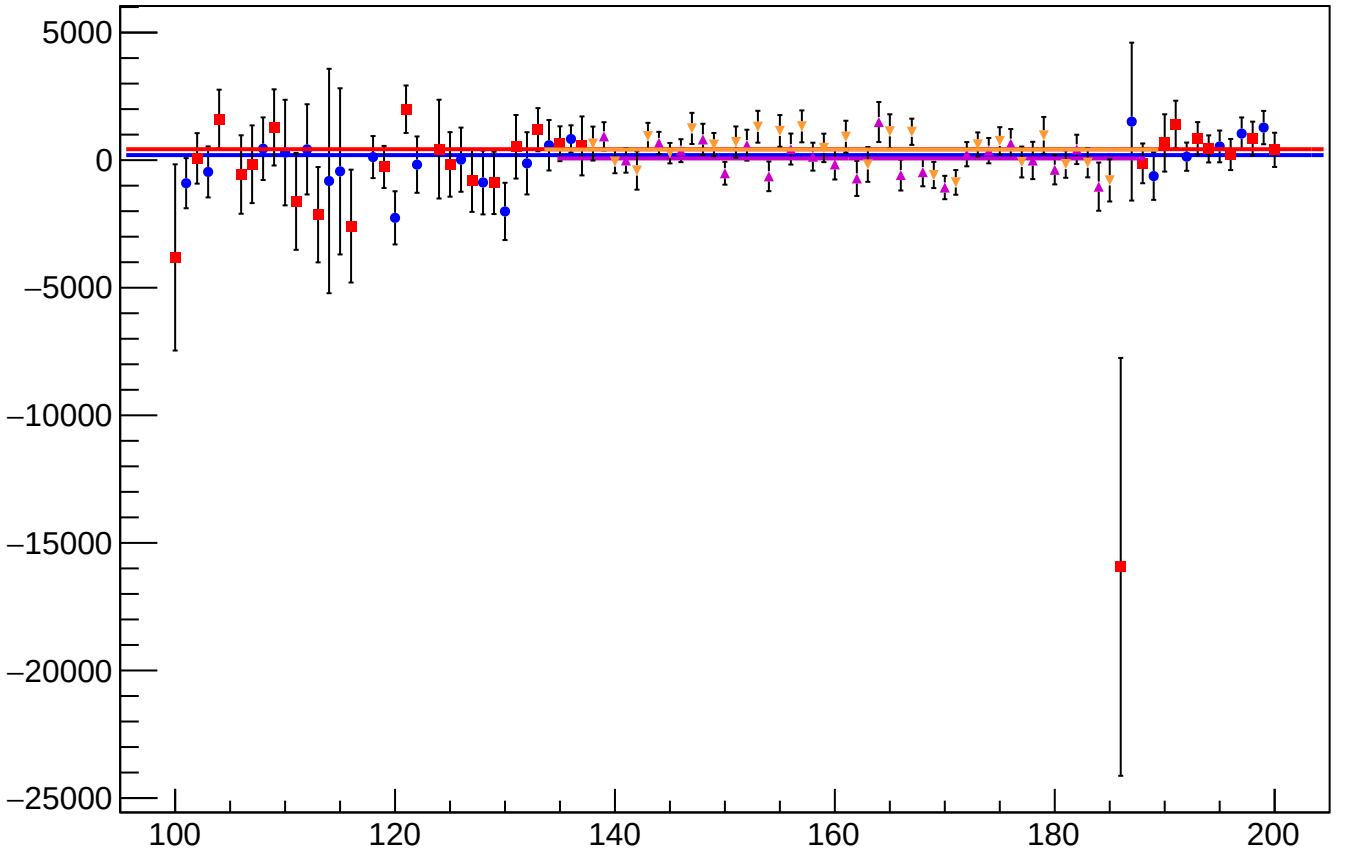
Right Out: 94.408+/-0.019 χ^2/NDF: 1279345.6/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514732.7/46

All: 89.587+/-0.008 χ^2/NDF: 3484328.1/97

- sign 89.987+/-0.011 χ^2/NDF: 1967141.0/50



Right In: 197.233+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 428.835+/-180.954 χ^2/NDF: 21.8/27

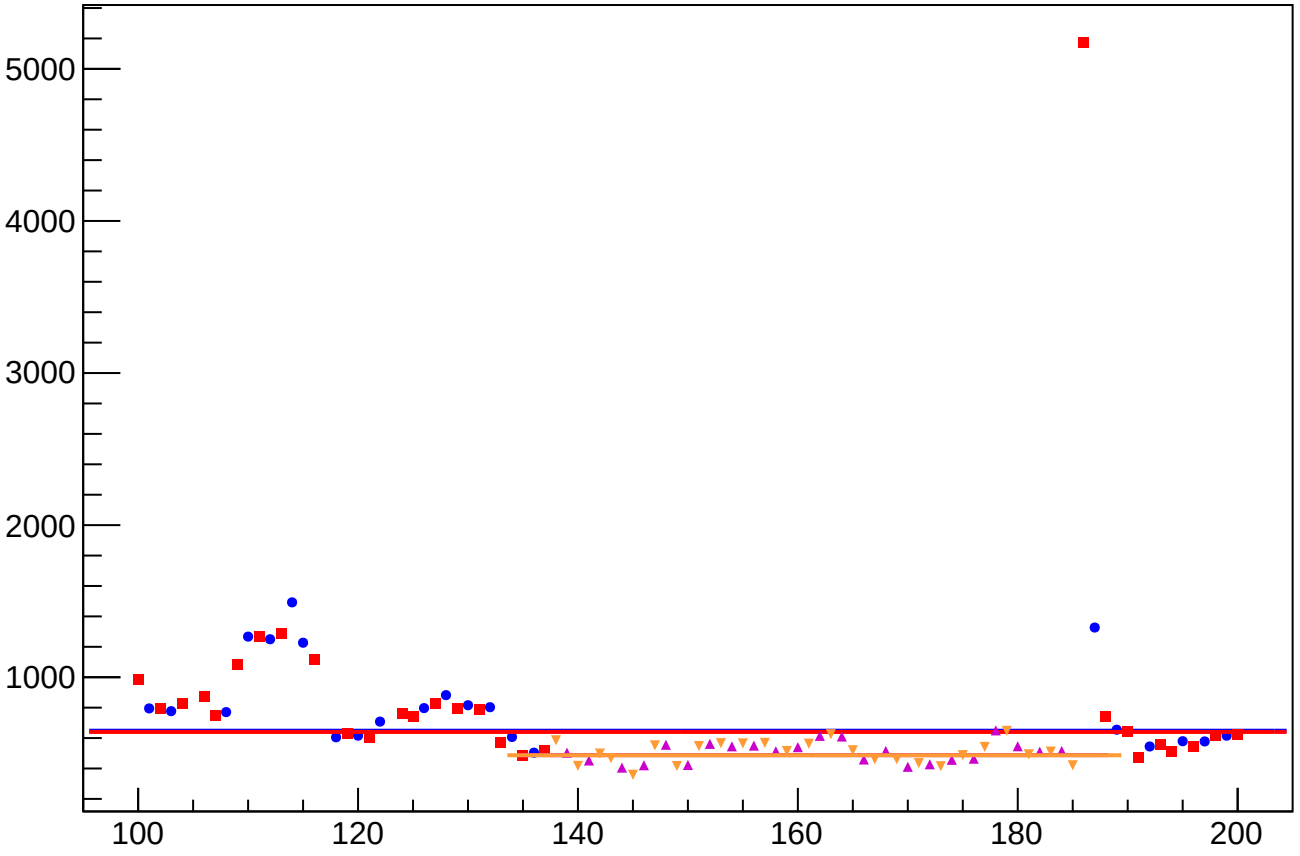
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 362.570+/-97.565 χ^2/NDF: 52.9/46

All: 266.738+/-68.898 χ^2/NDF: 107.0/97

- sign 171.406+/-97.310 χ^2/NDF: 52.2/50

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 648.271+/-0.139 χ^2/NDF: 1202241.5/21

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 640.339+/-0.128 χ^2/NDF: 2095460.6/27

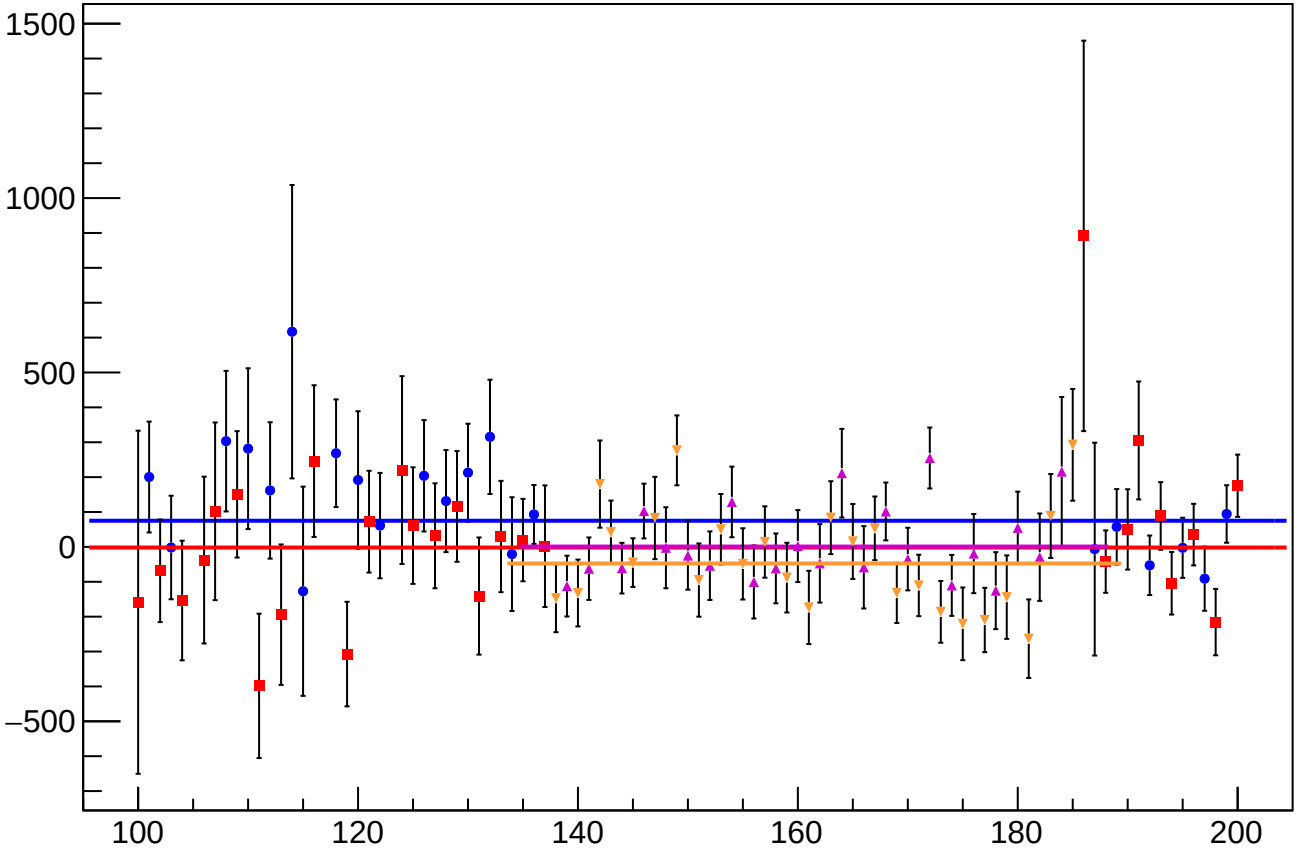
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035243.4/46

All: 529.351+/-0.049 χ^2/NDF: 6776436.3/97

- sign 532.004+/-0.069 χ^2/NDF: 3738211.8/50

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -1.808+/-26.219 χ^2/NDF: 32.1/27

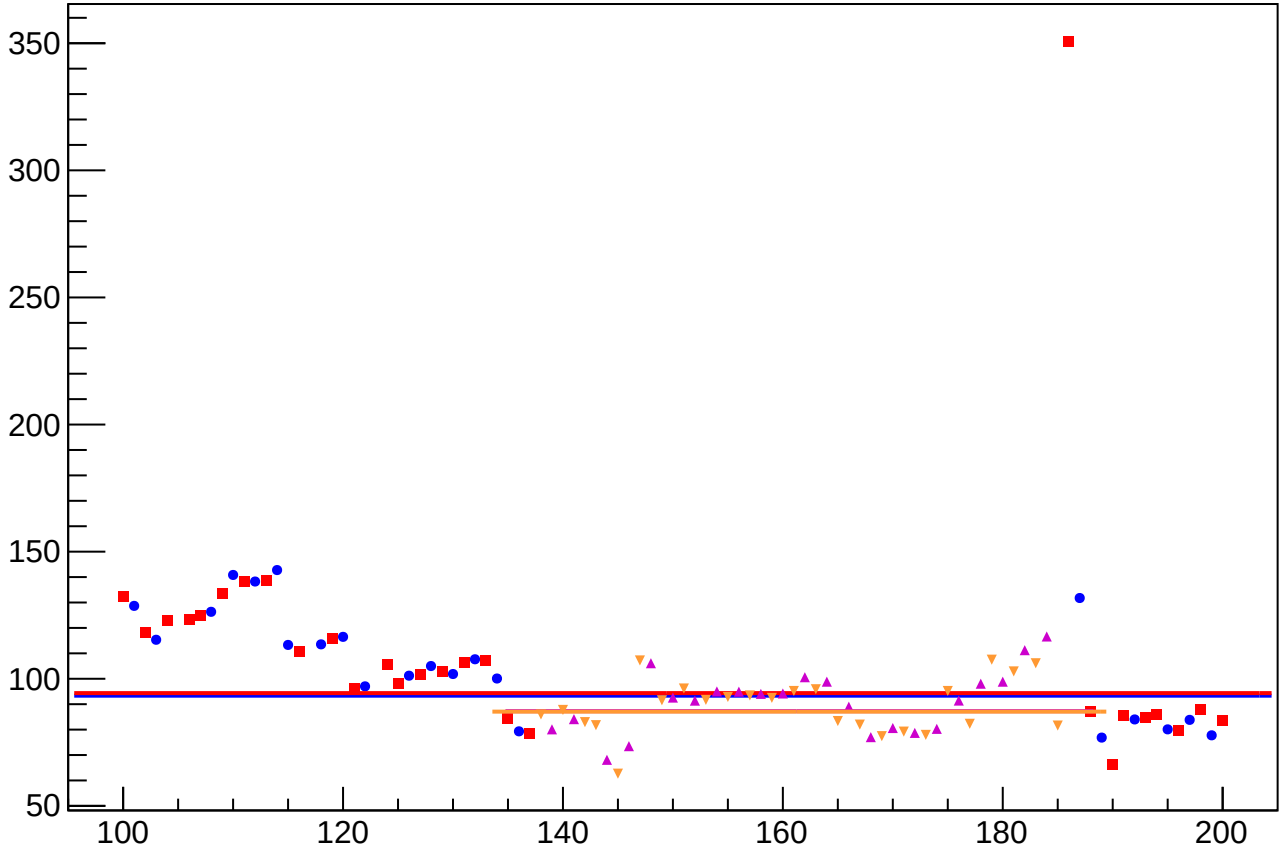
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.333+/-16.280 χ^2/NDF: 74.6/46

All: -3.191+/-11.483 χ^2/NDF: 132.2/97

- sign -0.080+/-16.200 χ^2/NDF: 57.5/50

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

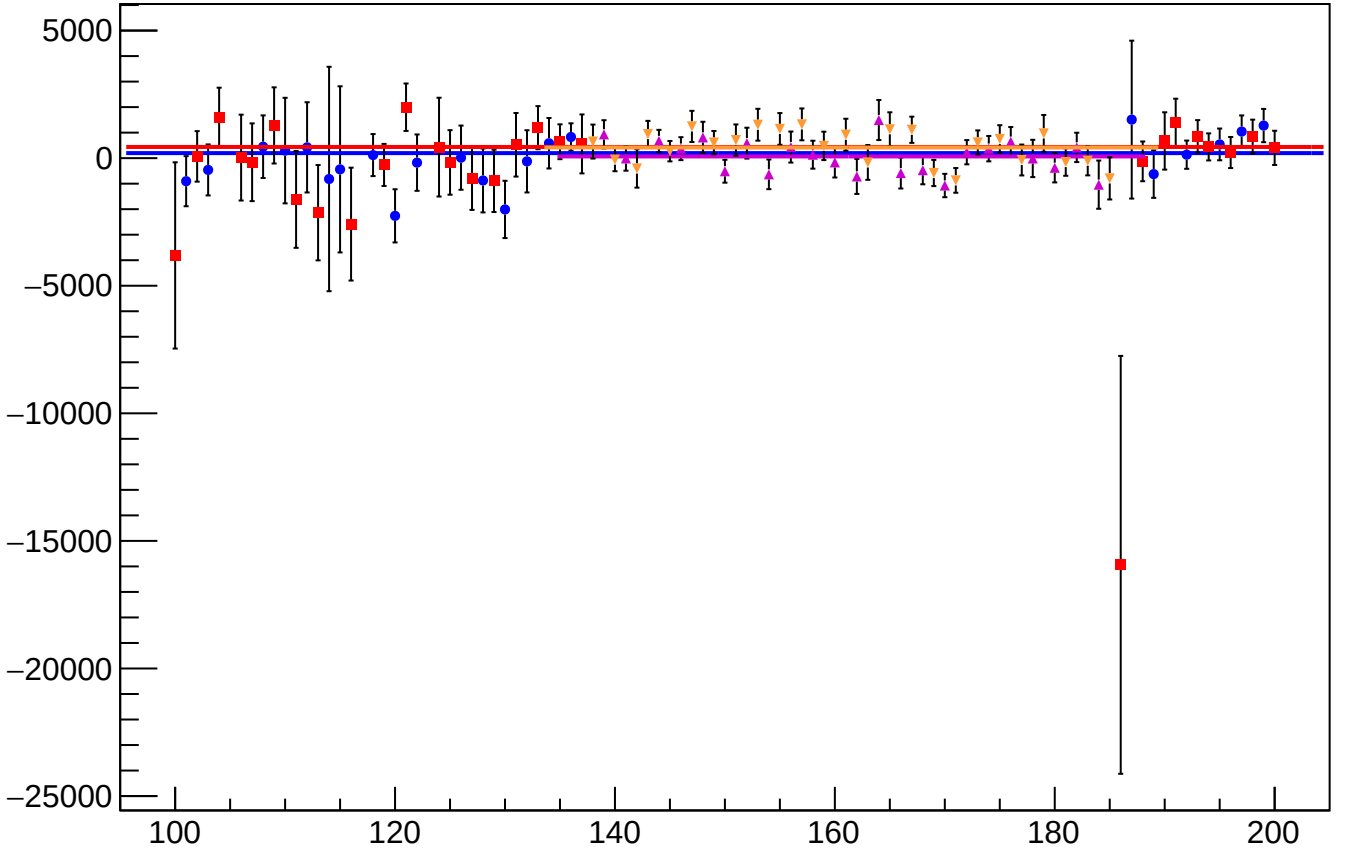
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514733.1/46

All: 89.578+/-0.008 χ^2/NDF: 3475782.8/97

- sign 89.968+/-0.011 χ^2/NDF: 1958710.1/50

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 437.887+/-181.165 χ^2/NDF: 21.4/27

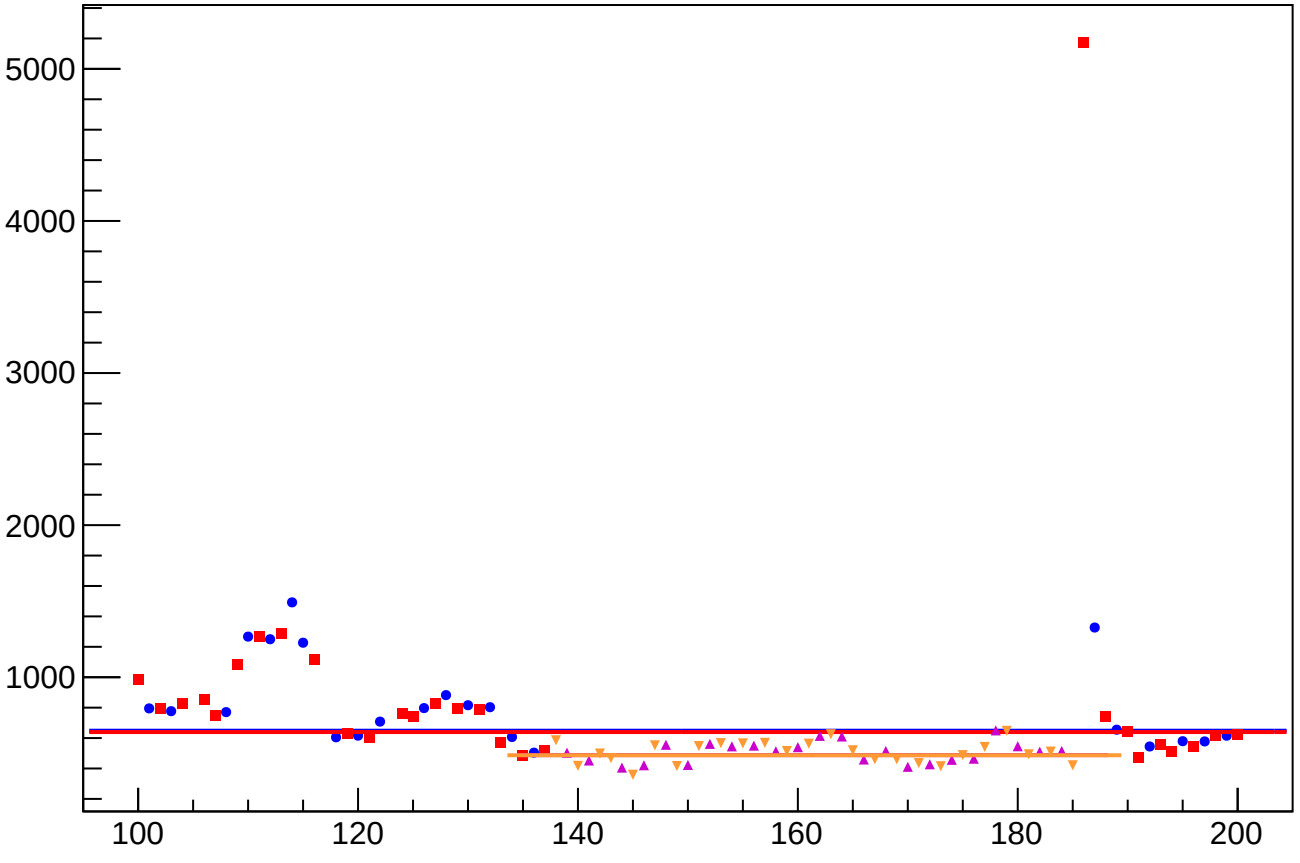
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 362.565+/-97.565 χ^2/NDF: 52.9/46

All: 267.990+/-68.910 χ^2/NDF: 106.7/97

- sign 173.845+/-97.342 χ^2/NDF: 51.9/50

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

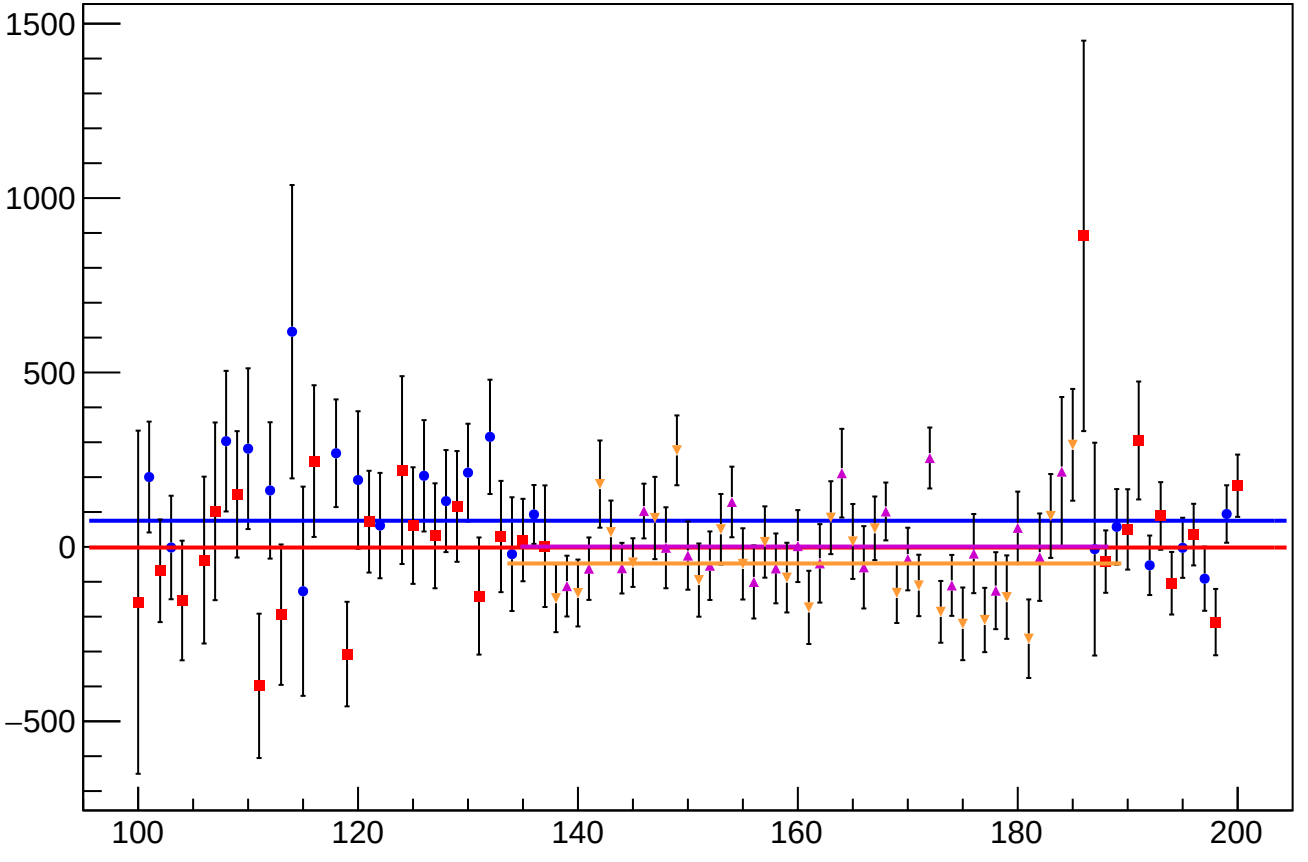
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035248.6/46

All: 529.203+/-0.049 χ^2/NDF: 6750502.5/97

- sign 531.711+/-0.069 χ^2/NDF: 3712593.9/50

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -1.808+/-26.219 χ^2/NDF: 32.1/27

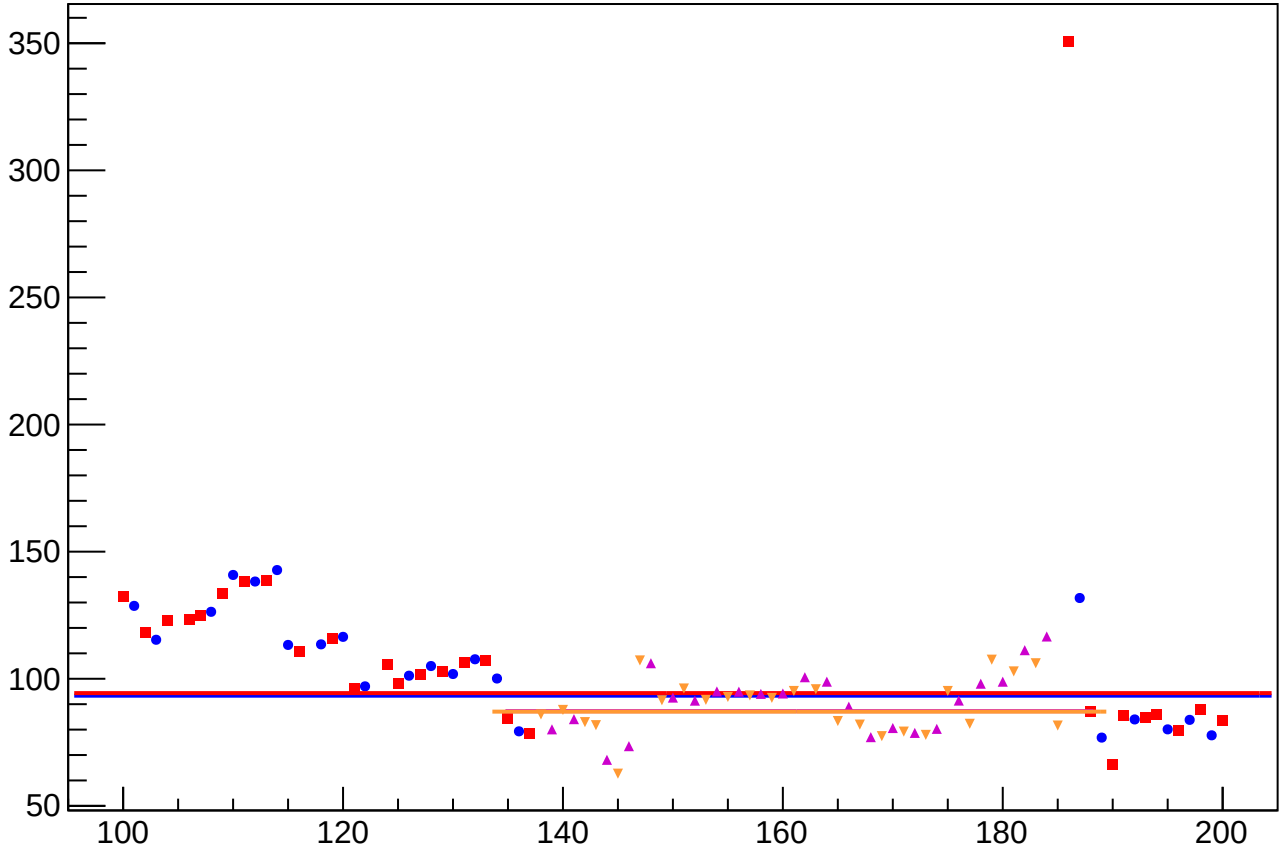
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.333+/-16.280 χ^2/NDF: 74.6/46

All: -3.191+/-11.483 χ^2/NDF: 132.2/97

- sign -0.080+/-16.200 χ^2/NDF: 57.5/50

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

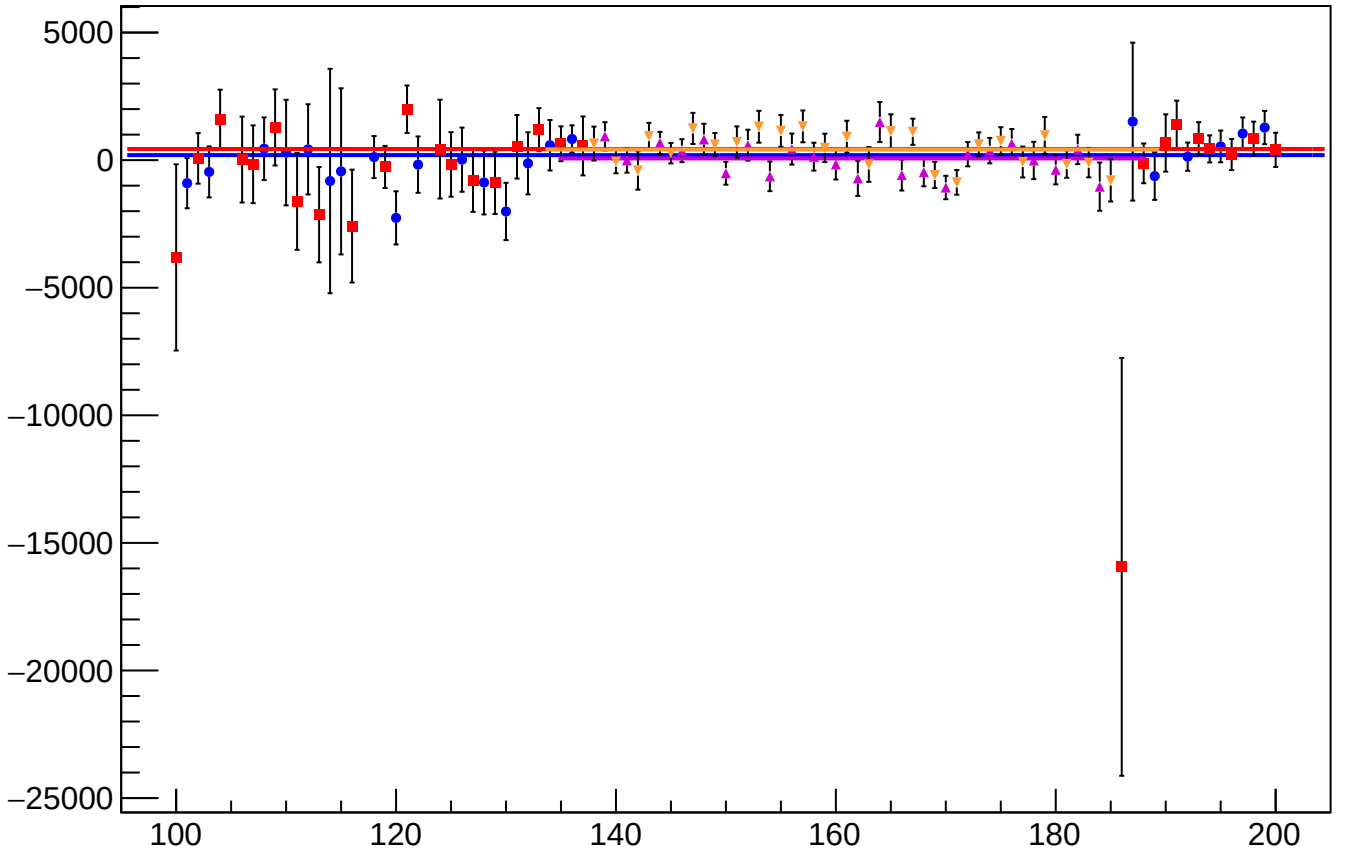
Right Out: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514733.1/46

All: 89.578+/-0.008 χ^2/NDF: 3475782.8/97

- sign 89.968+/-0.011 χ^2/NDF: 1958710.1/50



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

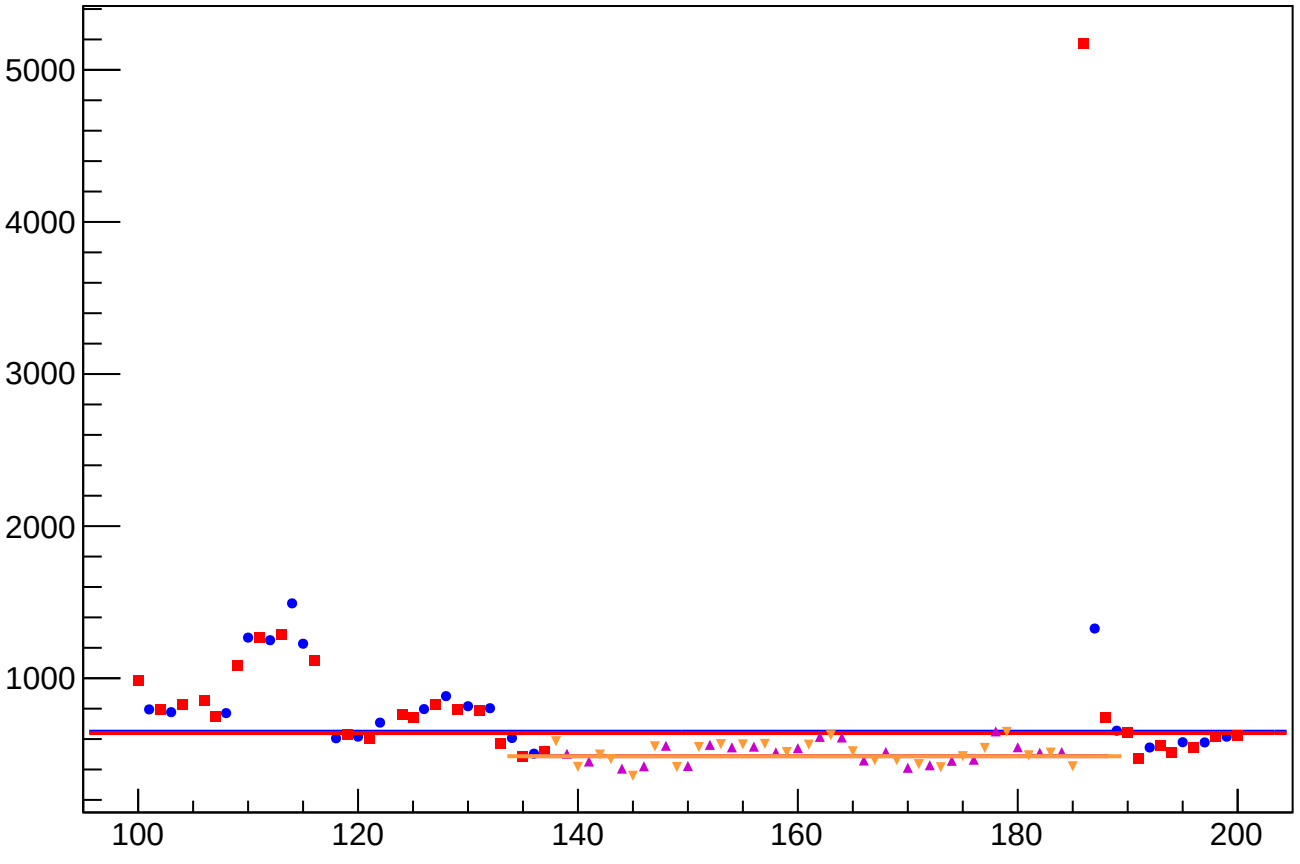
Right Out: 437.887+/-181.165 χ^2/NDF: 21.4/27

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 362.565+/-97.565 χ^2/NDF: 52.9/46

All: 267.990+/-68.910 χ^2/NDF: 106.7/97

\- sign 173.845+/-97.342 χ^2/NDF: 51.9/50



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

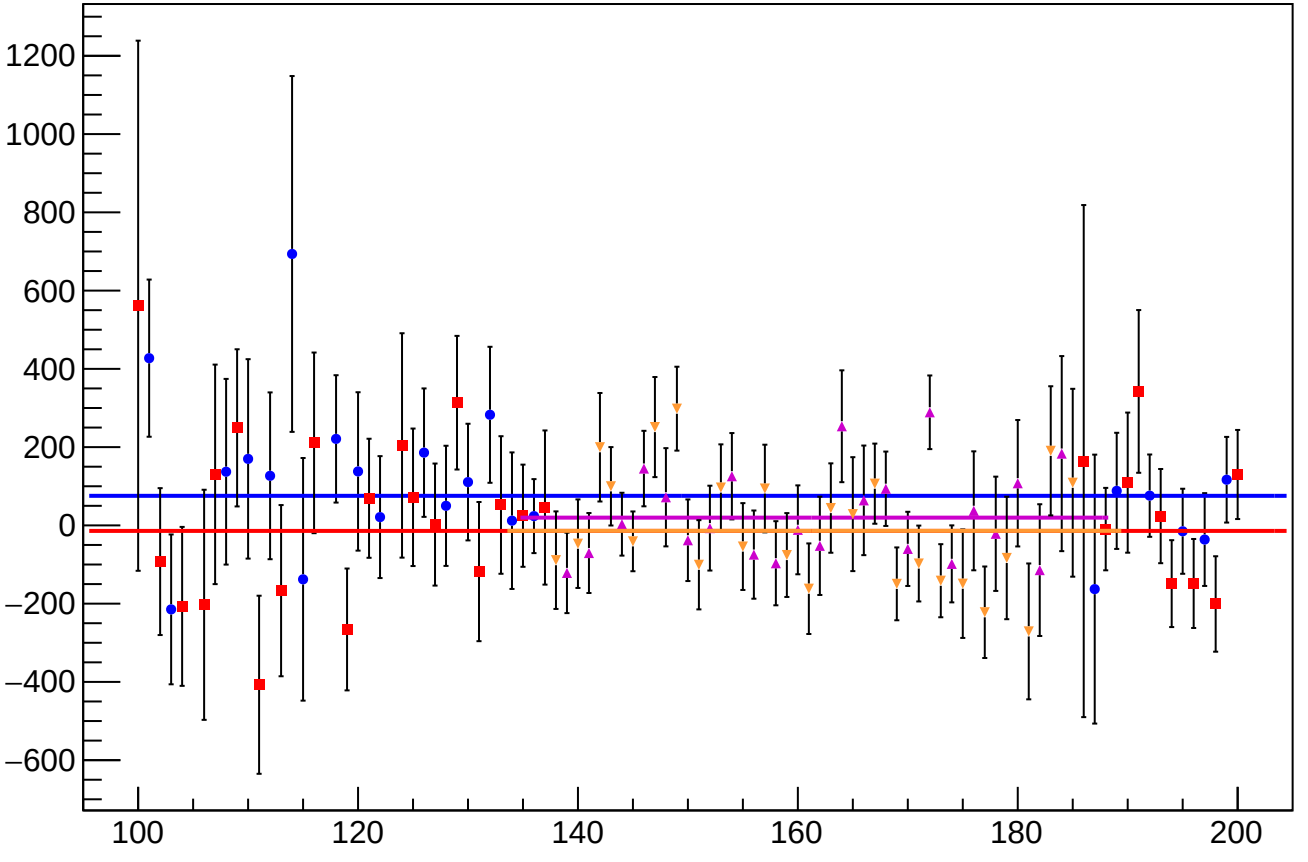
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035248.6/46

All: 529.203+/-0.049 χ^2/NDF: 6750502.5/97

- sign 531.711+/-0.069 χ^2/NDF: 3712593.9/50

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.551+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -14.101+/-31.094 χ^2/NDF: 27.1/27

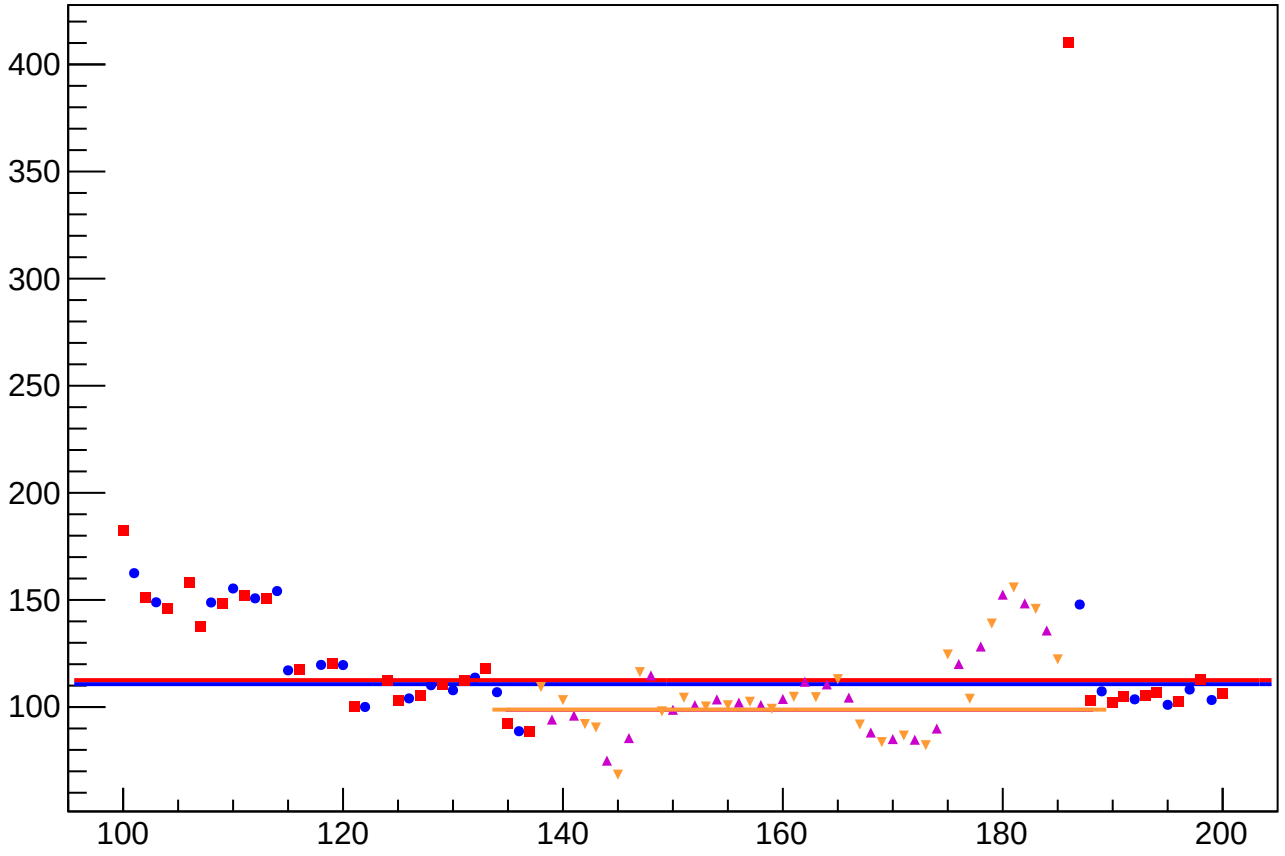
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 15.061+/-18.844 χ^2/NDF: 54.9/46

All: 11.234+/-13.304 χ^2/NDF: 106.1/97

- sign 7.431+/-18.784 χ^2/NDF: 51.2/50

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.694+/-0.023 χ^2/NDF: 607874.3/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 112.570+/-0.022 χ^2/NDF: 991294.2/27

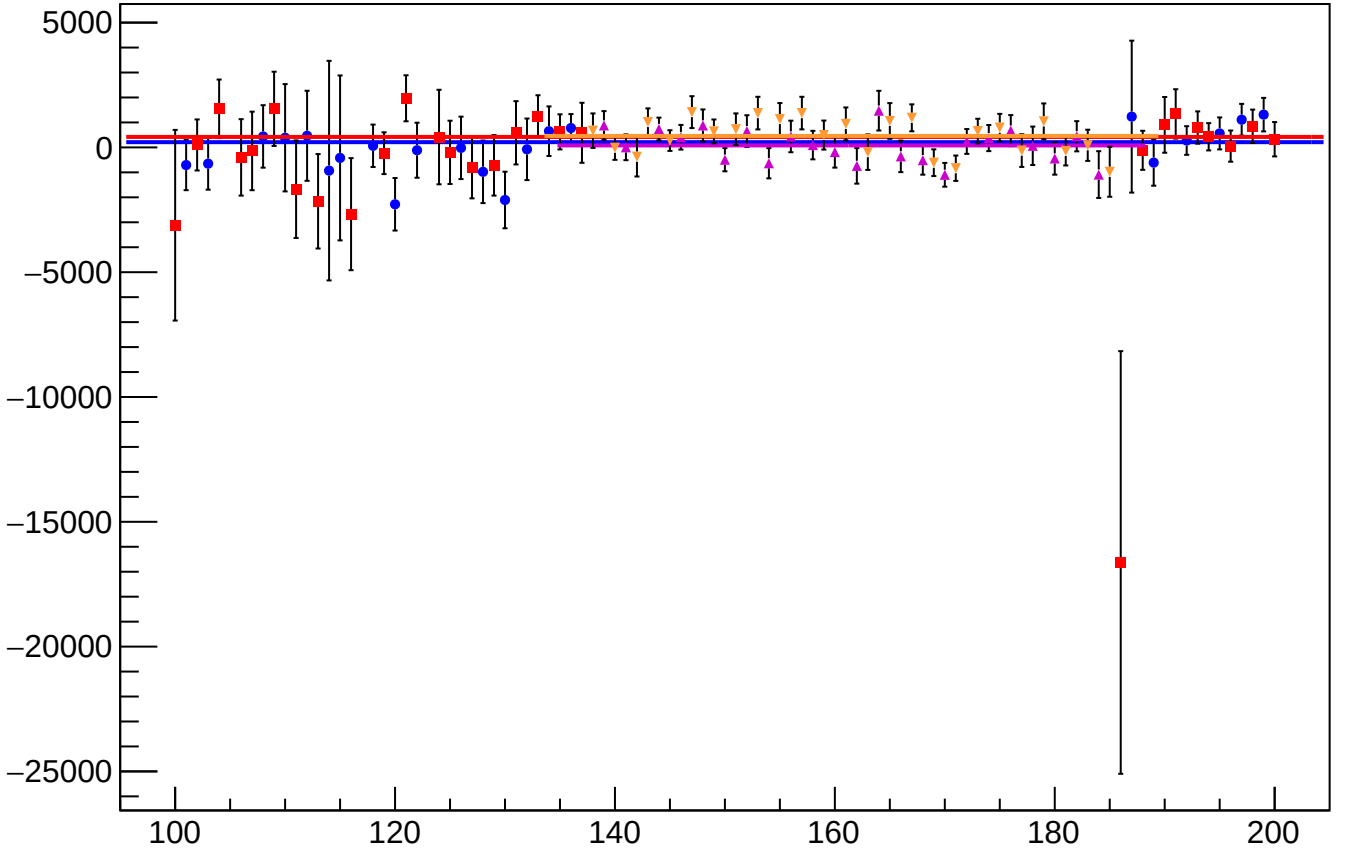
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.650+/-0.013 χ^2/NDF: 1968161.3/46

All: 103.199+/-0.009 χ^2/NDF: 4204387.1/97

- sign 103.745+/-0.013 χ^2/NDF: 2232841.9/50

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 209.599+/-201.131 χ^2/NDF: 19.7/21

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 419.601+/-184.199 χ^2/NDF: 21.1/27

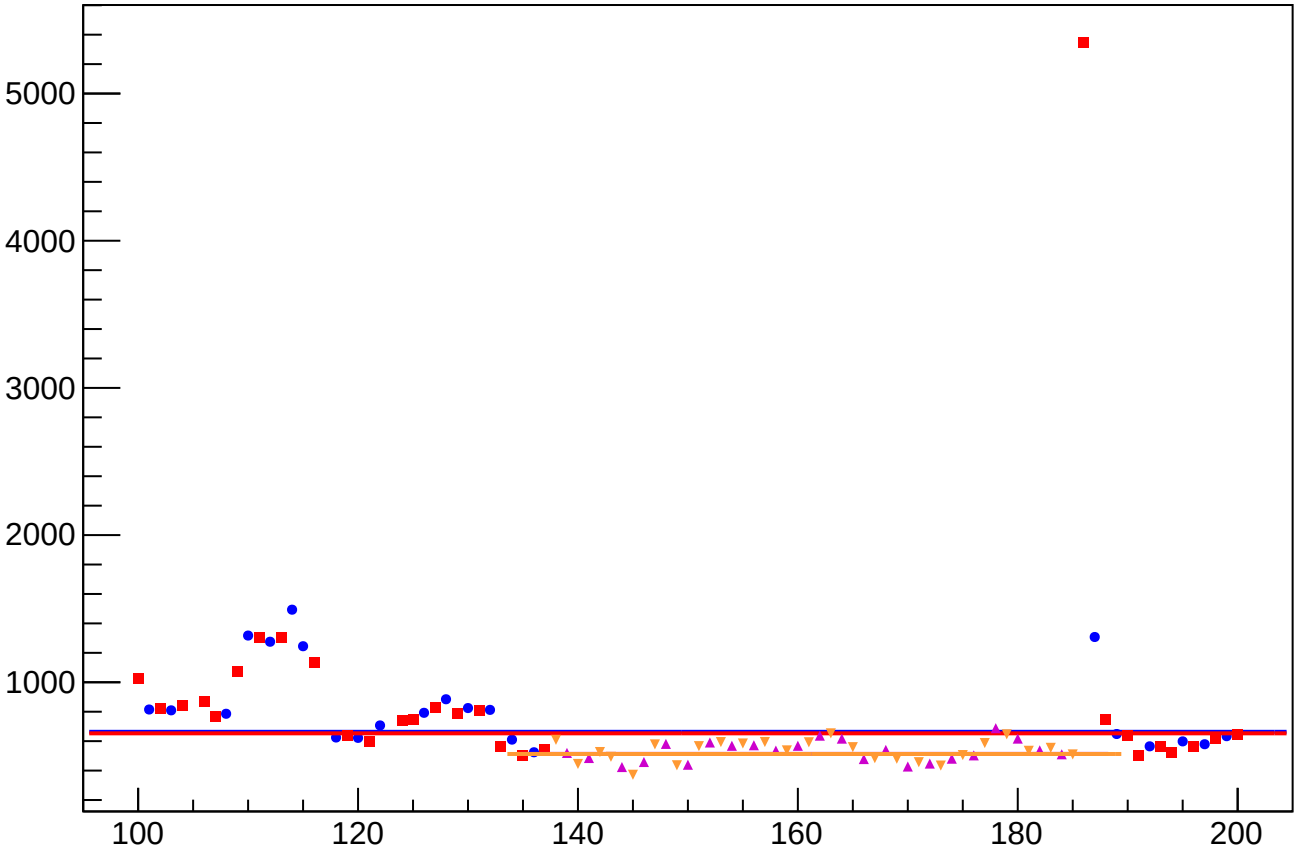
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 395.118+/-101.849 χ^2/NDF: 51.6/46

All: 288.095+/-71.854 χ^2/NDF: 103.5/97

- sign 182.042+/-101.386 χ^2/NDF: 49.7/50

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 663.370+/-0.142 χ^2/NDF: 1154887.2/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 653.026+/-0.130 χ^2/NDF: 2027182.5/27

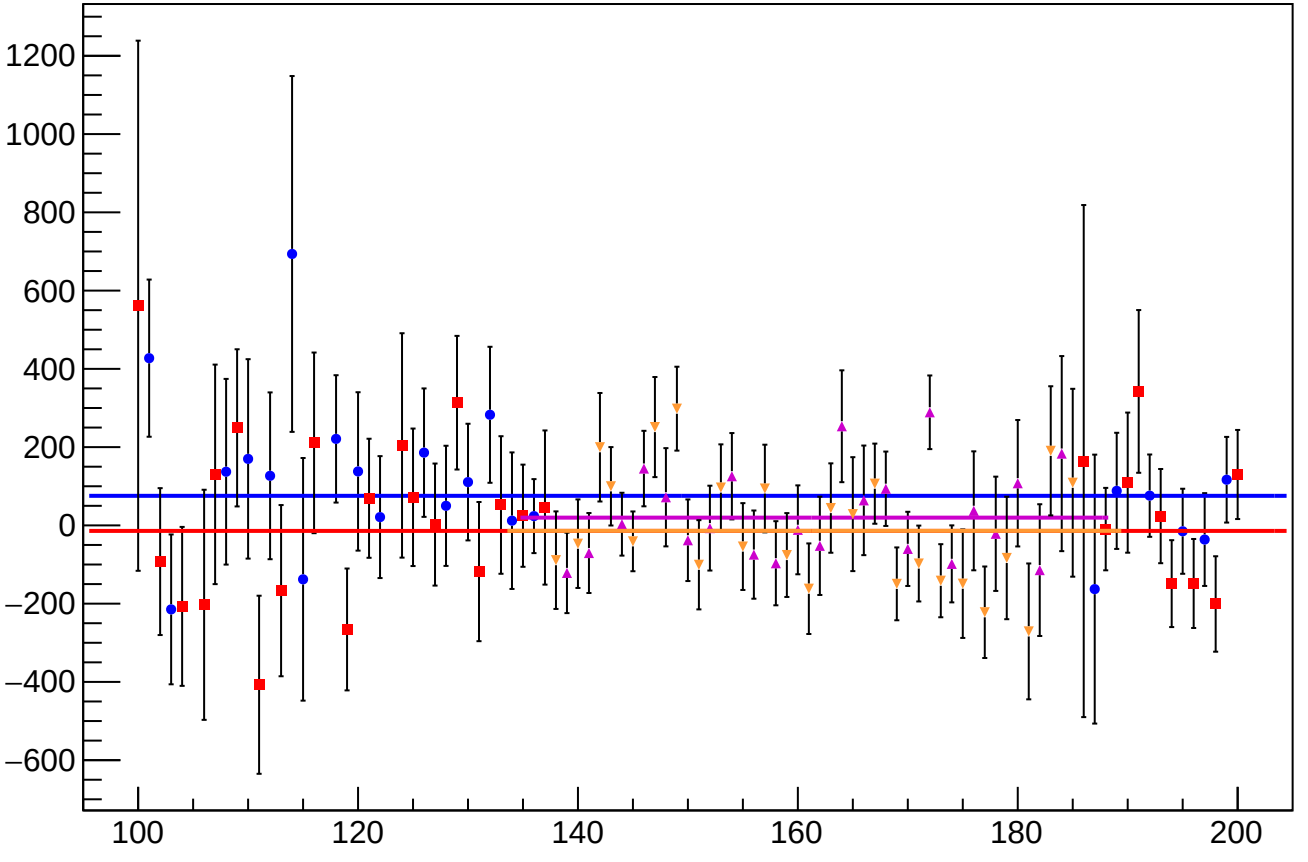
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 551.386+/-0.072 χ^2/NDF: 2787925.0/46

All: 553.544+/-0.051 χ^2/NDF: 6252206.0/97

- sign 555.683+/-0.072 χ^2/NDF: 3462492.9/50

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.550+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -14.102+/-31.094 χ^2/NDF: 27.1/27

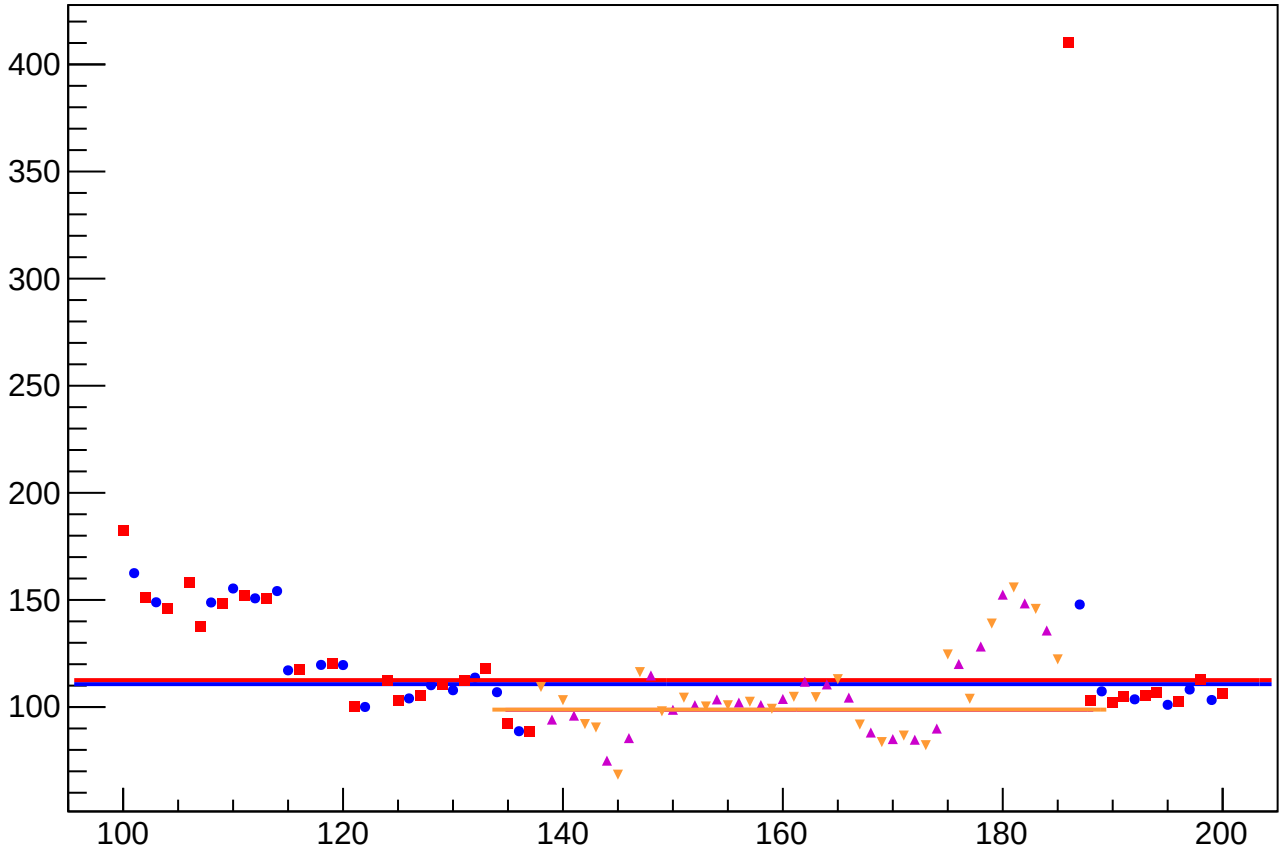
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 15.059+/-18.844 χ^2/NDF: 54.9/46

All: 11.233+/-13.304 χ^2/NDF: 106.1/97

- sign 7.431+/-18.784 χ^2/NDF: 51.2/50

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.694+/-0.023 χ^2/NDF: 607859.4/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

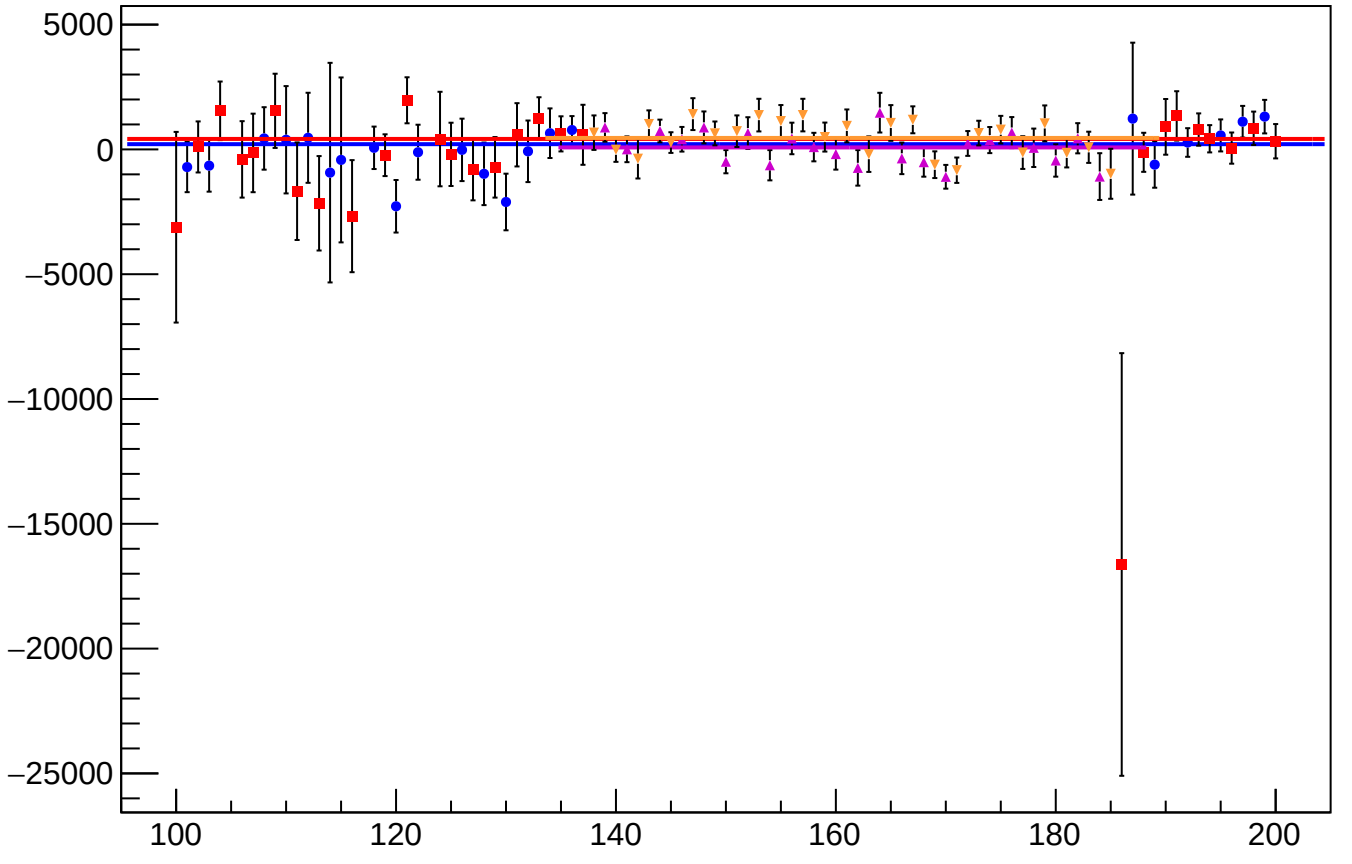
Right Out: 112.570+/-0.022 χ^2/NDF: 991279.5/27

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.650+/-0.013 χ^2/NDF: 1968157.3/46

All: 103.199+/-0.009 χ^2/NDF: 4204364.2/97

- sign 103.745+/-0.013 χ^2/NDF: 2232823.0/50



Right In: 209.598+/-201.130 χ^2/NDF: 19.7/21

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

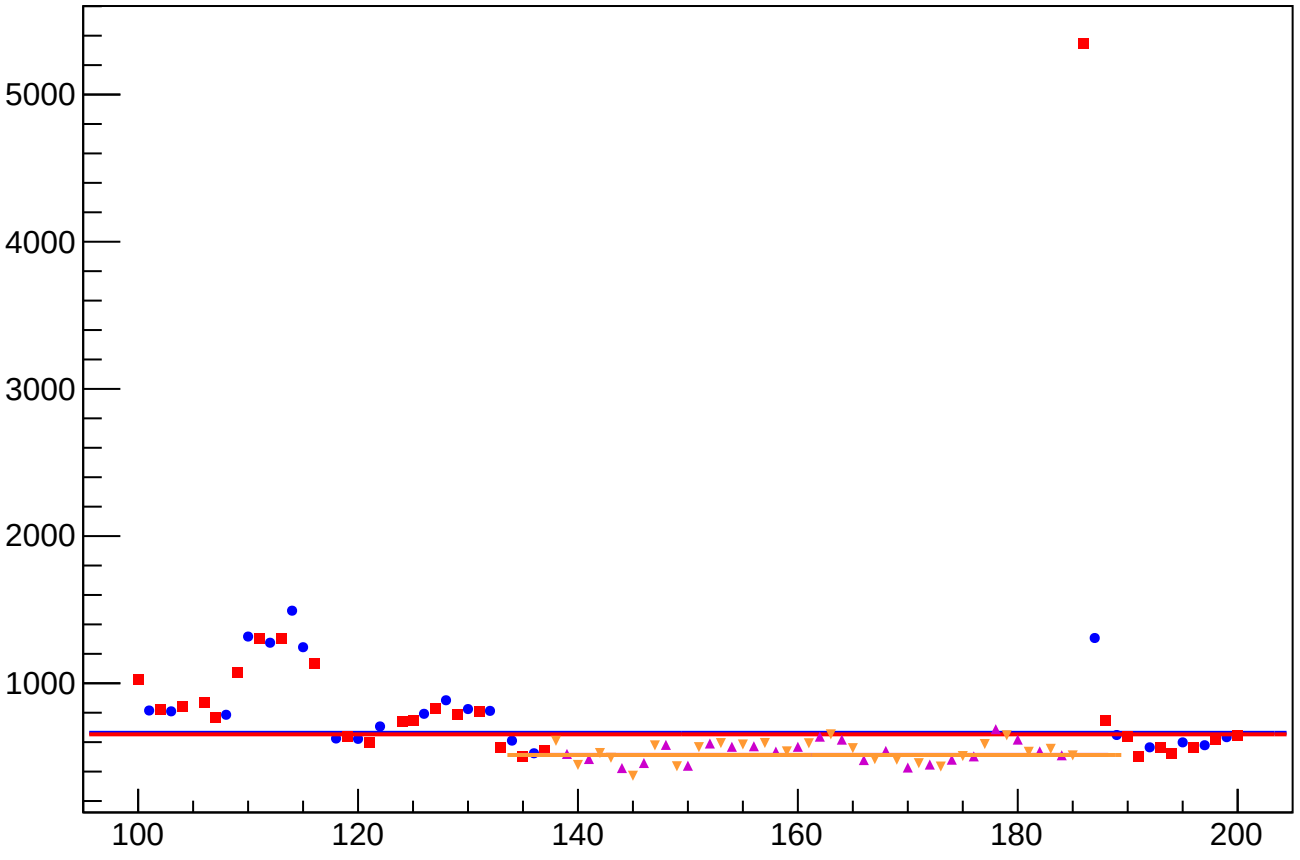
Right Out: 419.600+/-184.199 χ^2/NDF: 21.1/27

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 395.116+/-101.849 χ^2/NDF: 51.6/46

All: 288.094+/-71.854 χ^2/NDF: 103.5/97

- sign 182.042+/-101.386 χ^2/NDF: 49.7/50



Right In: 663.369+/-0.142 χ^2/NDF: 1154885.0/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 653.024+/-0.130 χ^2/NDF: 2027179.3/27

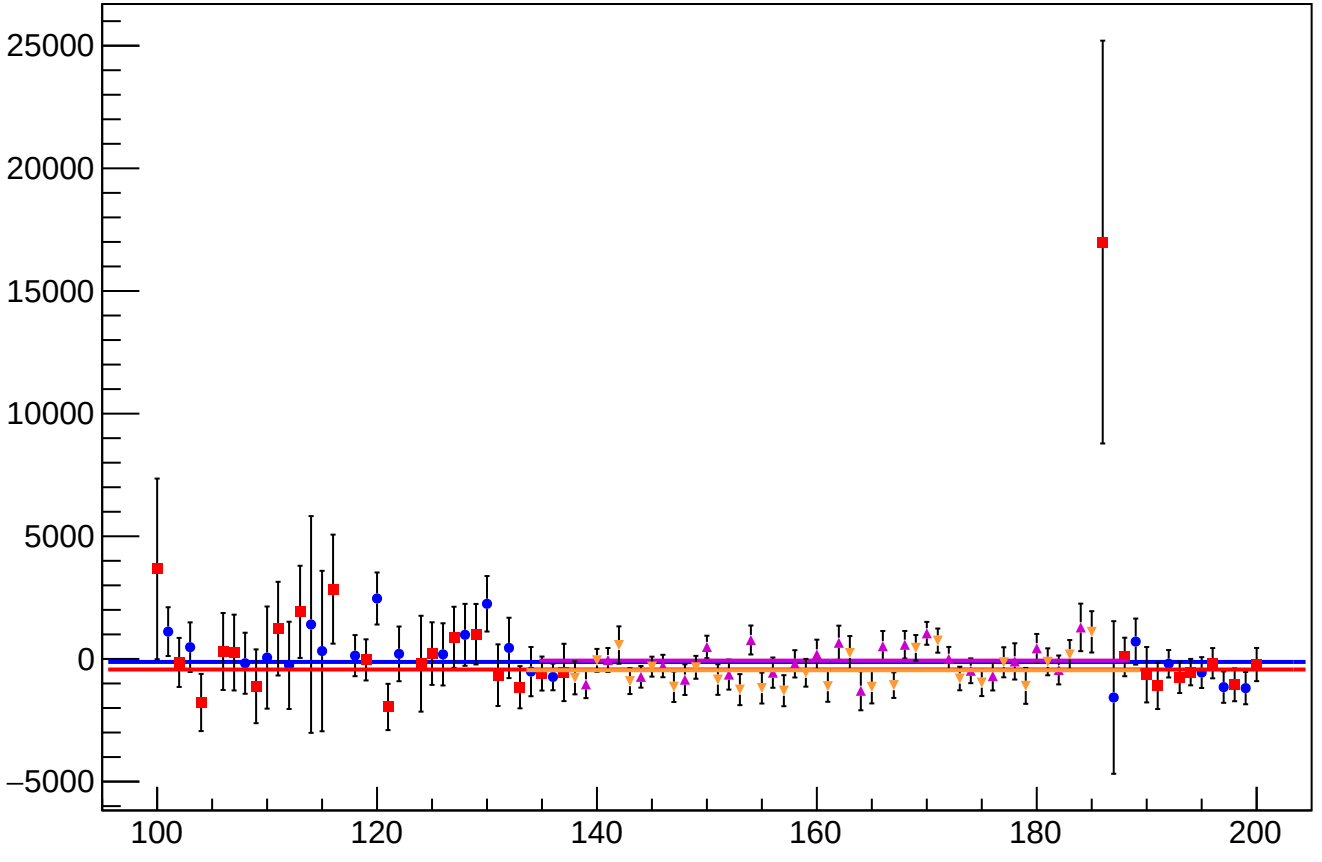
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 551.386+/-0.072 χ^2/NDF: 2787918.3/46

All: 553.544+/-0.051 χ^2/NDF: 6252183.7/97

- sign 555.682+/-0.072 χ^2/NDF: 3462477.4/50

asym_sam_26_48_dd_mean vs Slug



Right In: -122.517+/-199.065 χ^2/NDF: 21.7/21

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -431.184+/-183.122 χ^2/NDF: 21.0/27

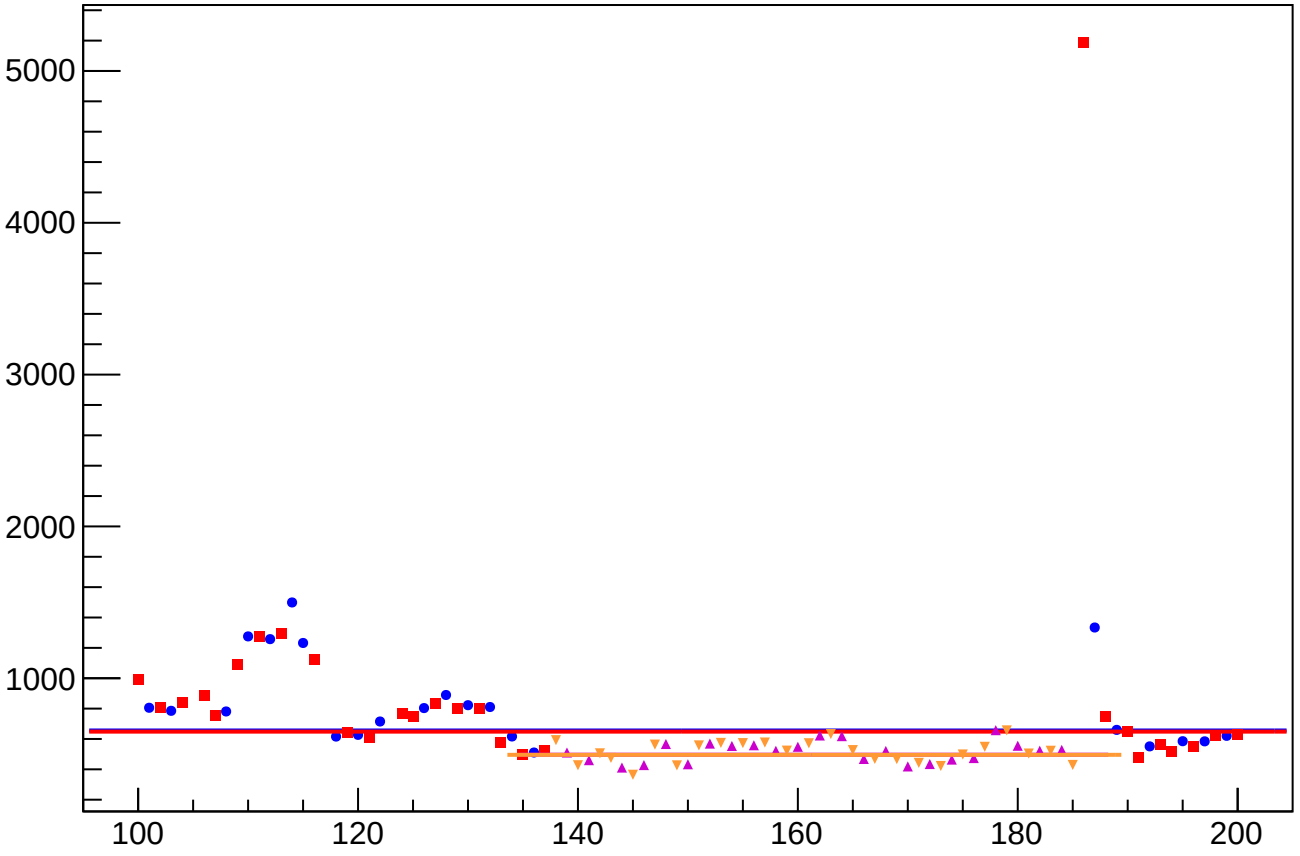
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -376.294+/-99.078 χ^2/NDF: 54.7/46

All: -274.765+/-69.965 χ^2/NDF: 109.3/97

- sign -173.779+/-98.813 χ^2/NDF: 52.4/50

asym_sam_26_48_dd_rms vs Slug



Right In: 655.880+/-0.141 χ^2/NDF: 1188945.4/21

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

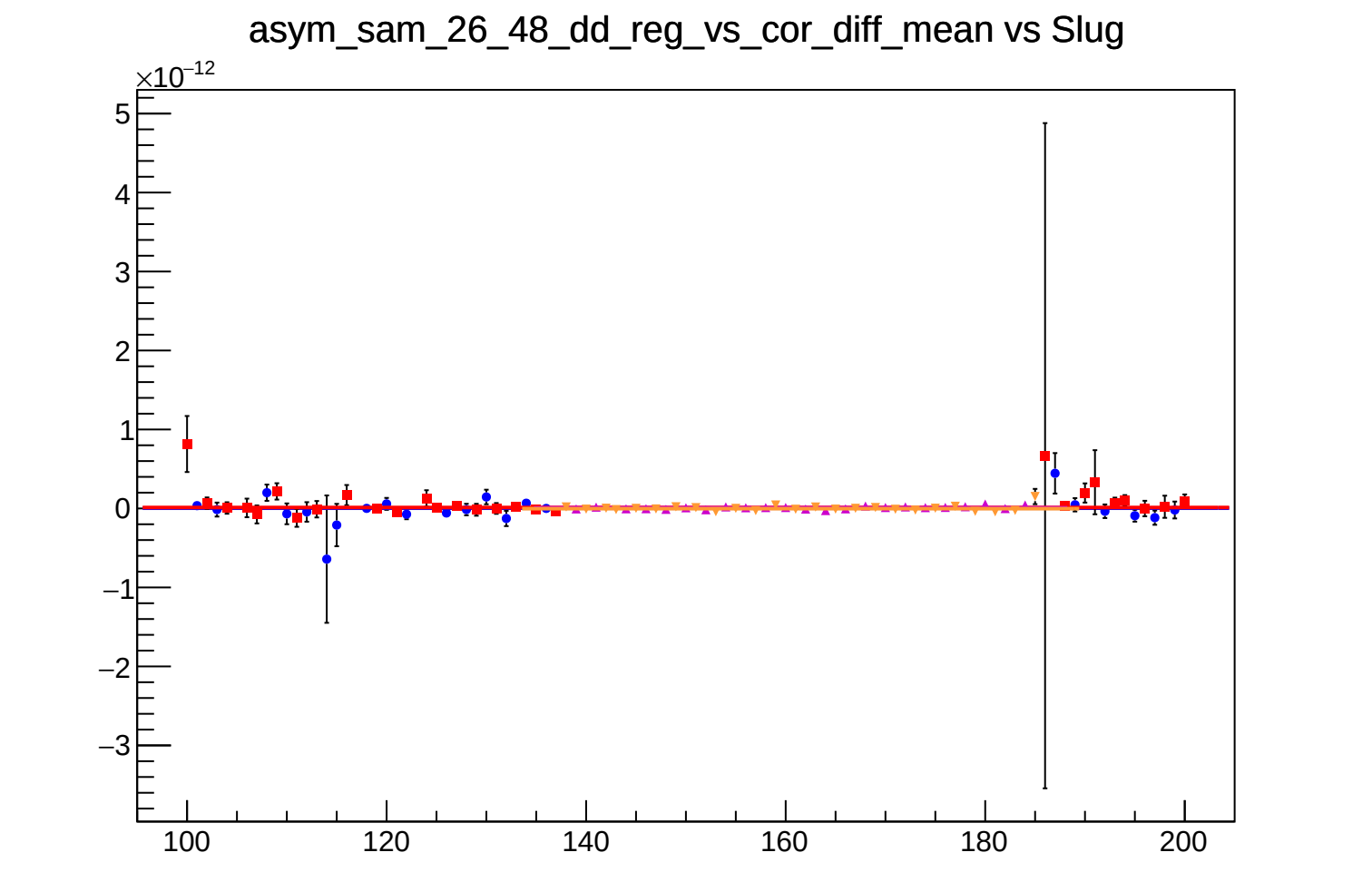
Right Out: 648.362+/-0.129 χ^2/NDF: 2072123.8/27

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 535.240+/-0.070 χ^2/NDF: 2970030.1/46

All: 537.918+/-0.049 χ^2/NDF: 6644864.1/97

- sign 540.581+/-0.070 χ^2/NDF: 3671920.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

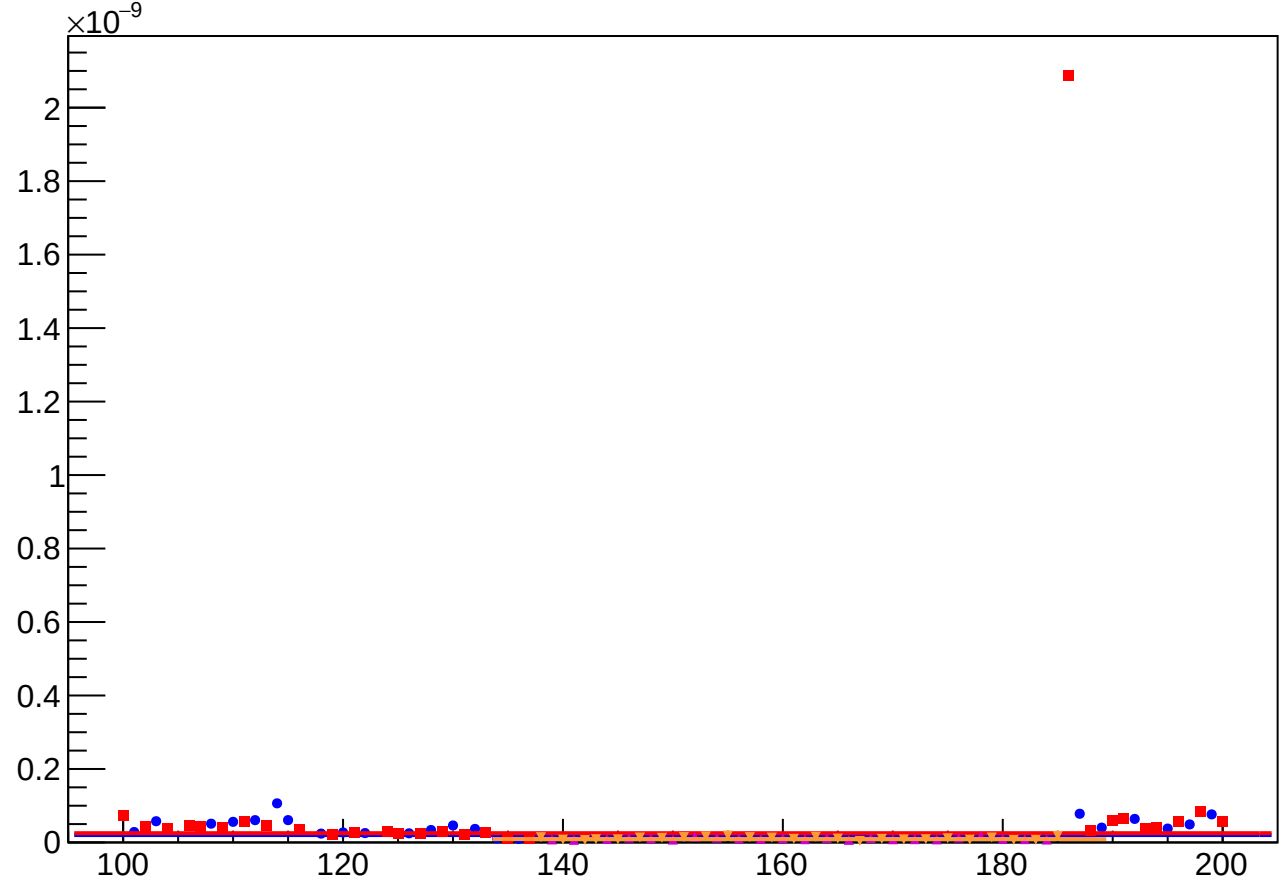
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/27

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 49.7/46

All: 0.000+/-0.000 χ^2/NDF: 94.7/97

\- sign 0.000+/-0.000 χ^2/NDF: 40.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 4095485.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3577043.4/27

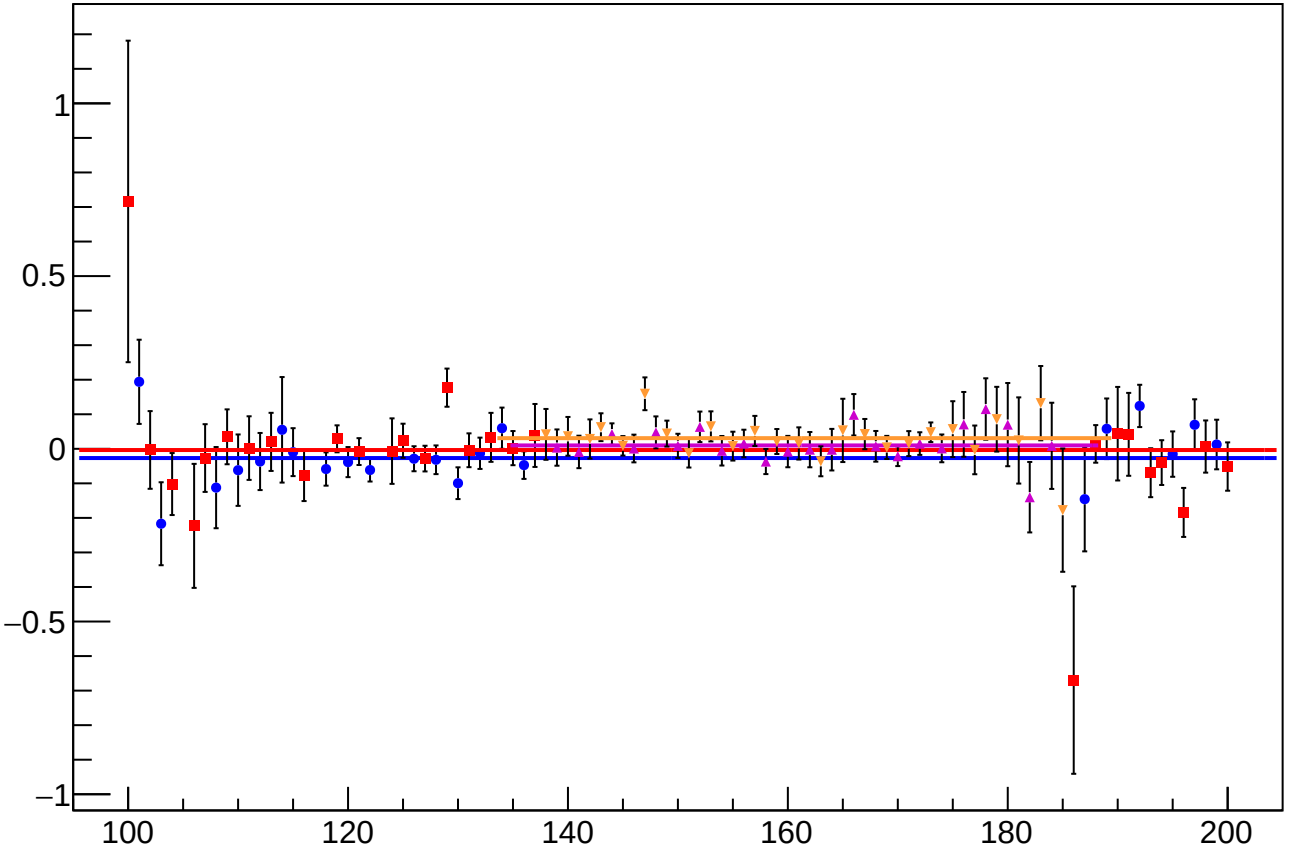
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7700590.2/46

All: 0.000+/-0.000 χ^2/NDF: 14893038.1/97

- sign 0.000+/-0.000 χ^2/NDF: 7128965.3/50

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

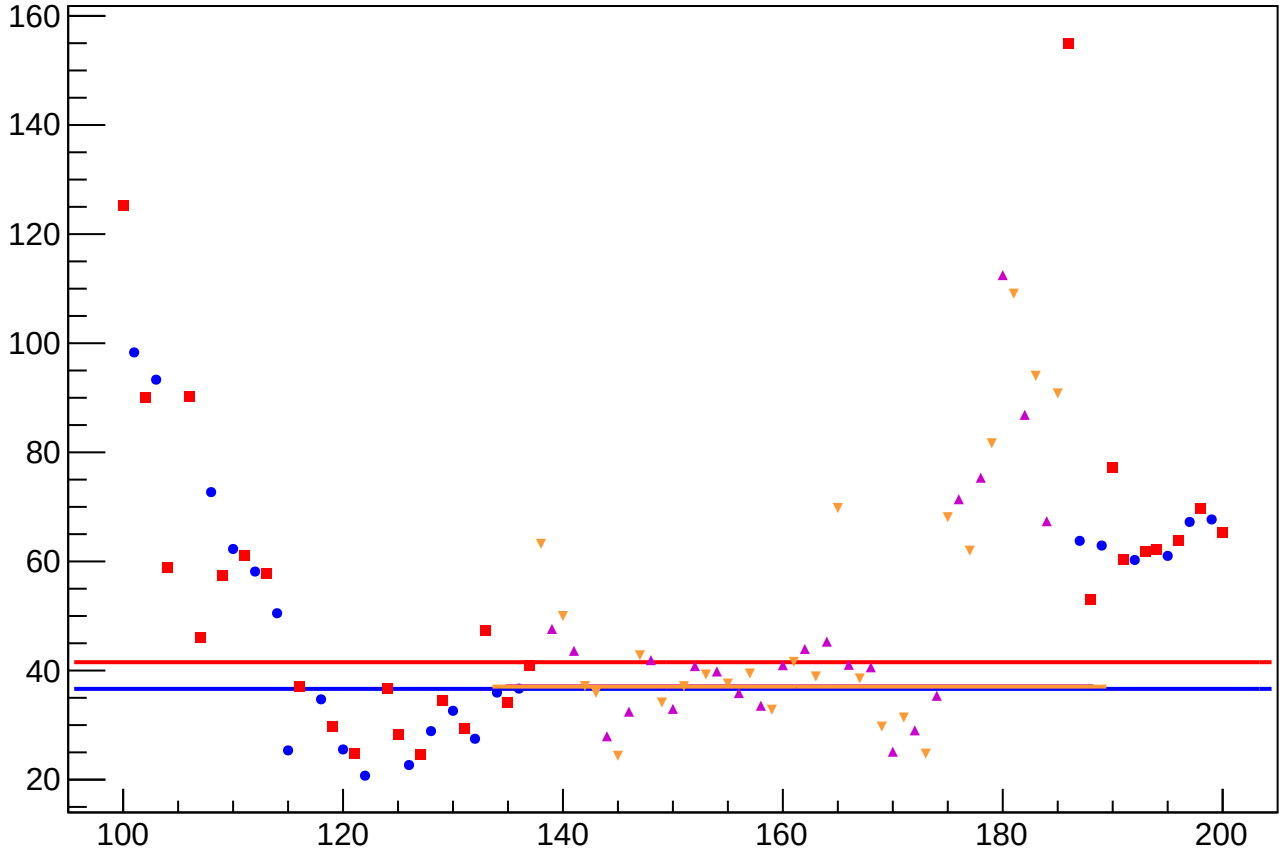
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 103.1/97

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

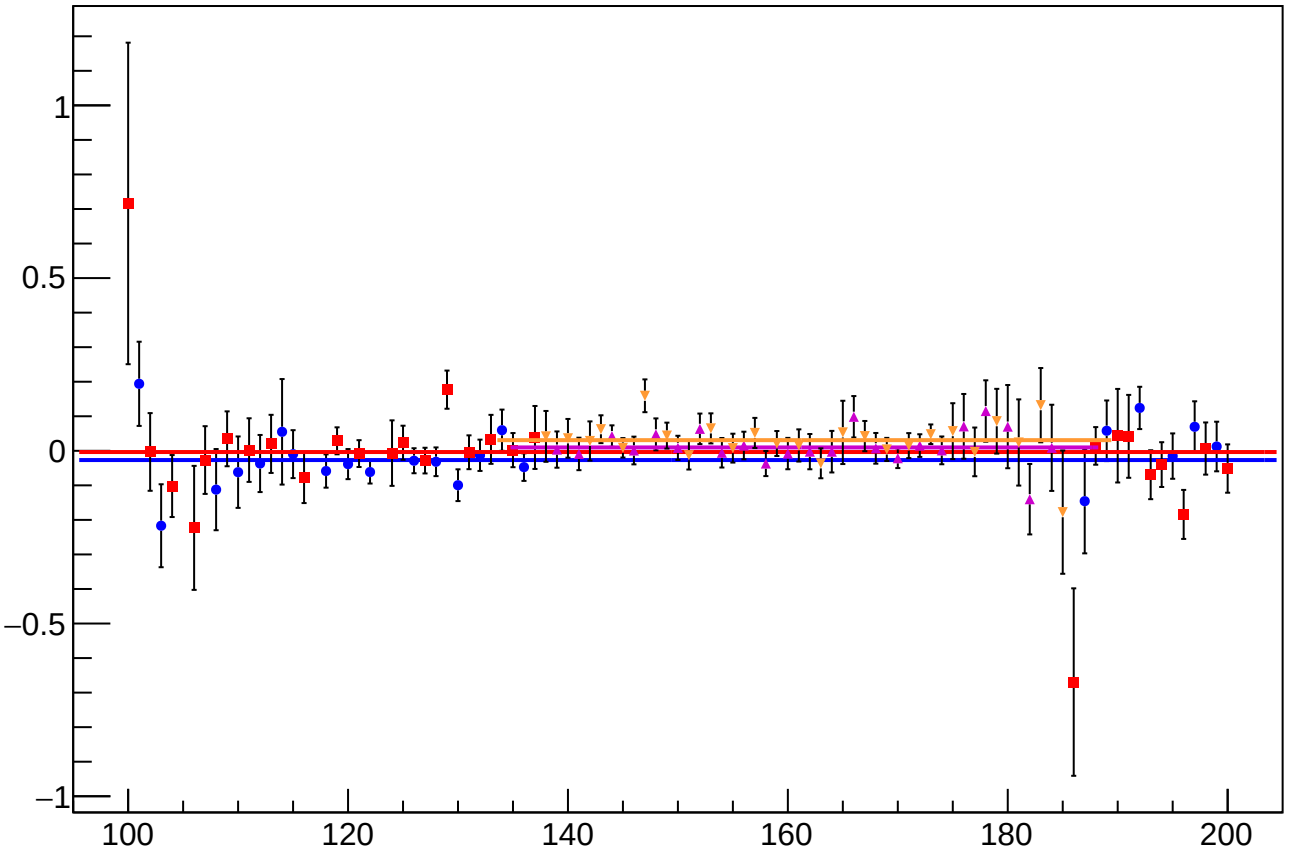
Right Out: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117927.5/46

All: 37.790+/-0.004 χ^2/NDF: 15300899.9/97

- sign 38.723+/-0.005 χ^2/NDF: 7122442.7/50



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

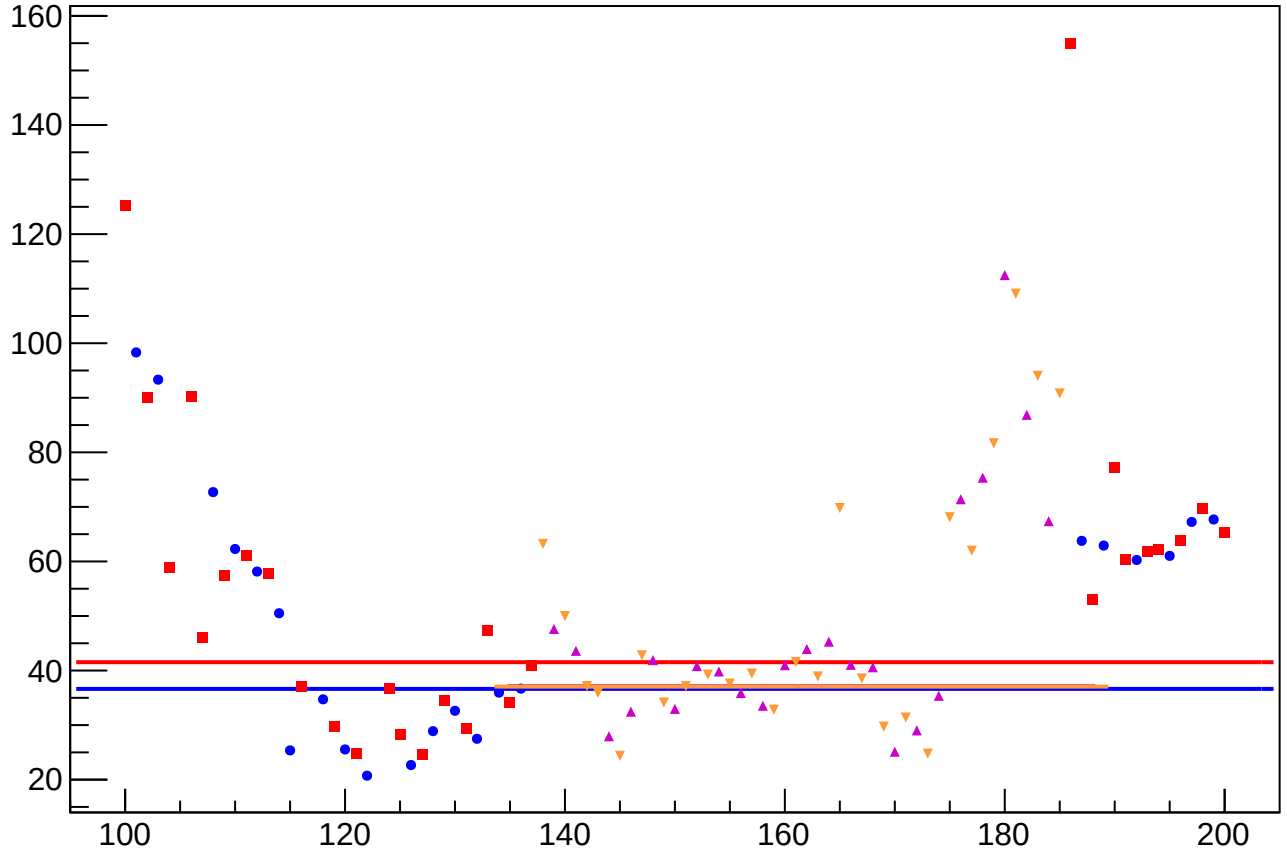
Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 103.1/97

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

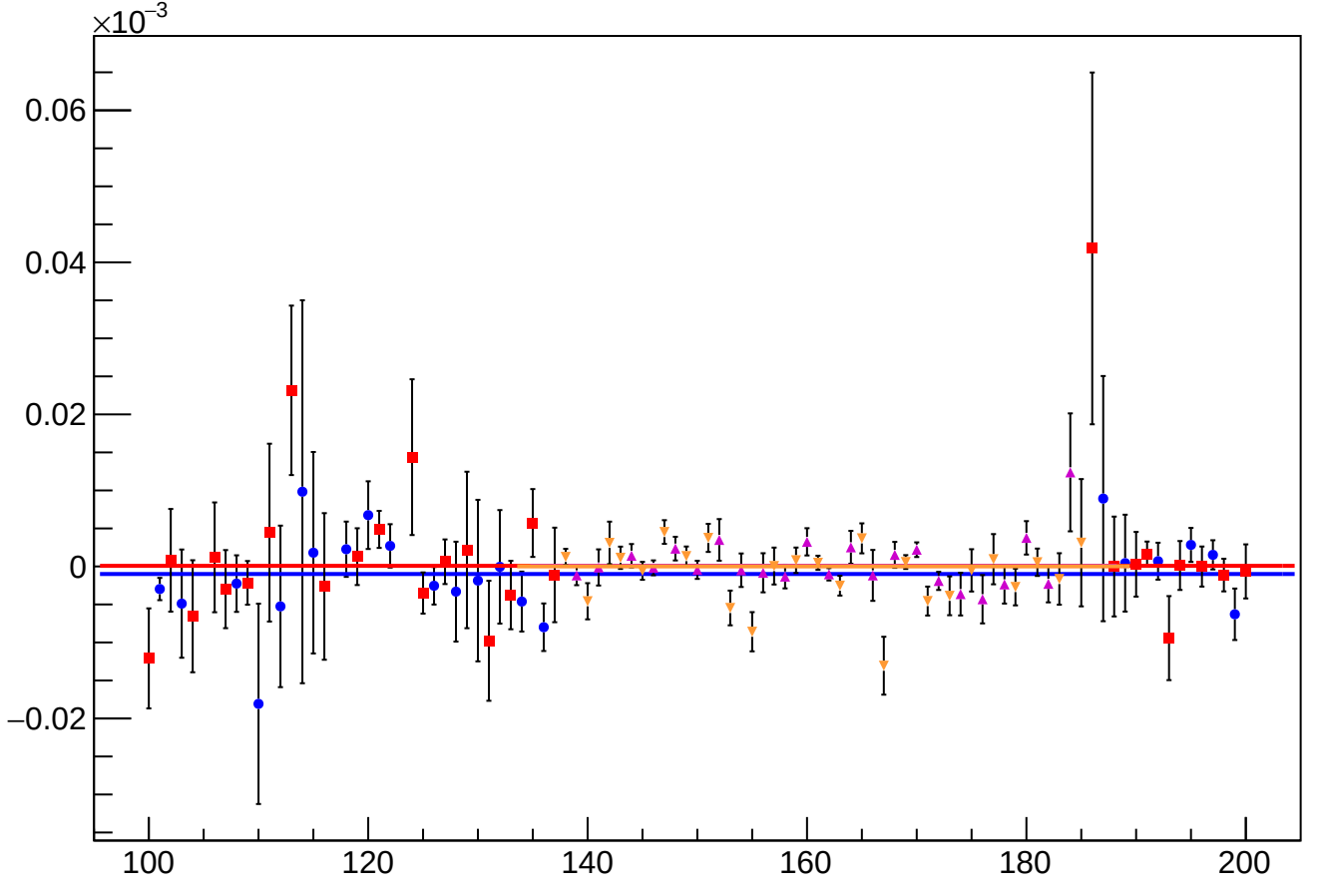
Right Out: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117927.5/46

All: 37.790+/-0.004 χ^2/NDF: 15300899.9/97

- sign 38.723+/-0.005 χ^2/NDF: 7122442.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/27

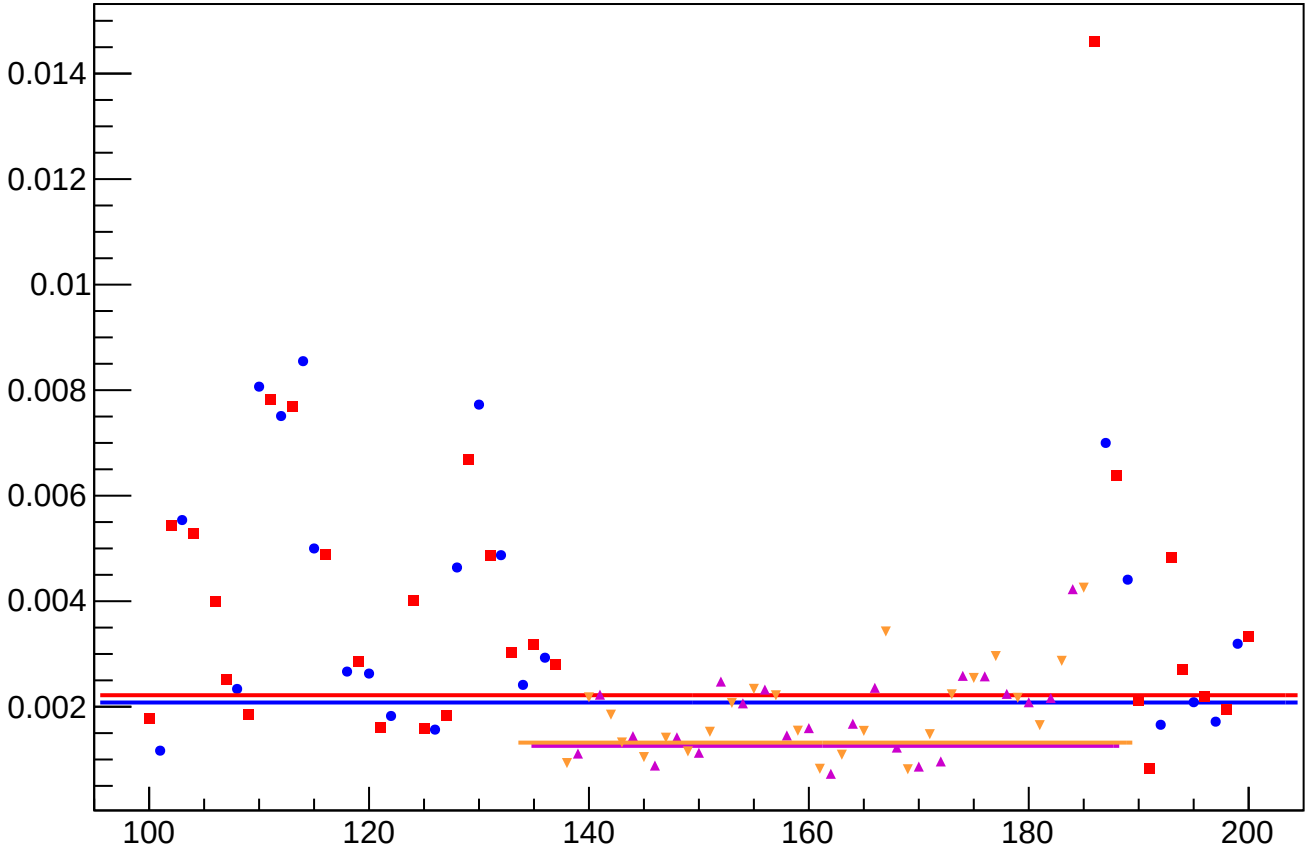
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.5/46

All: -0.000+/-0.000 χ^2/NDF: 154.9/97

- sign 0.000+/-0.000 χ^2/NDF: 61.1/50

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4717845.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

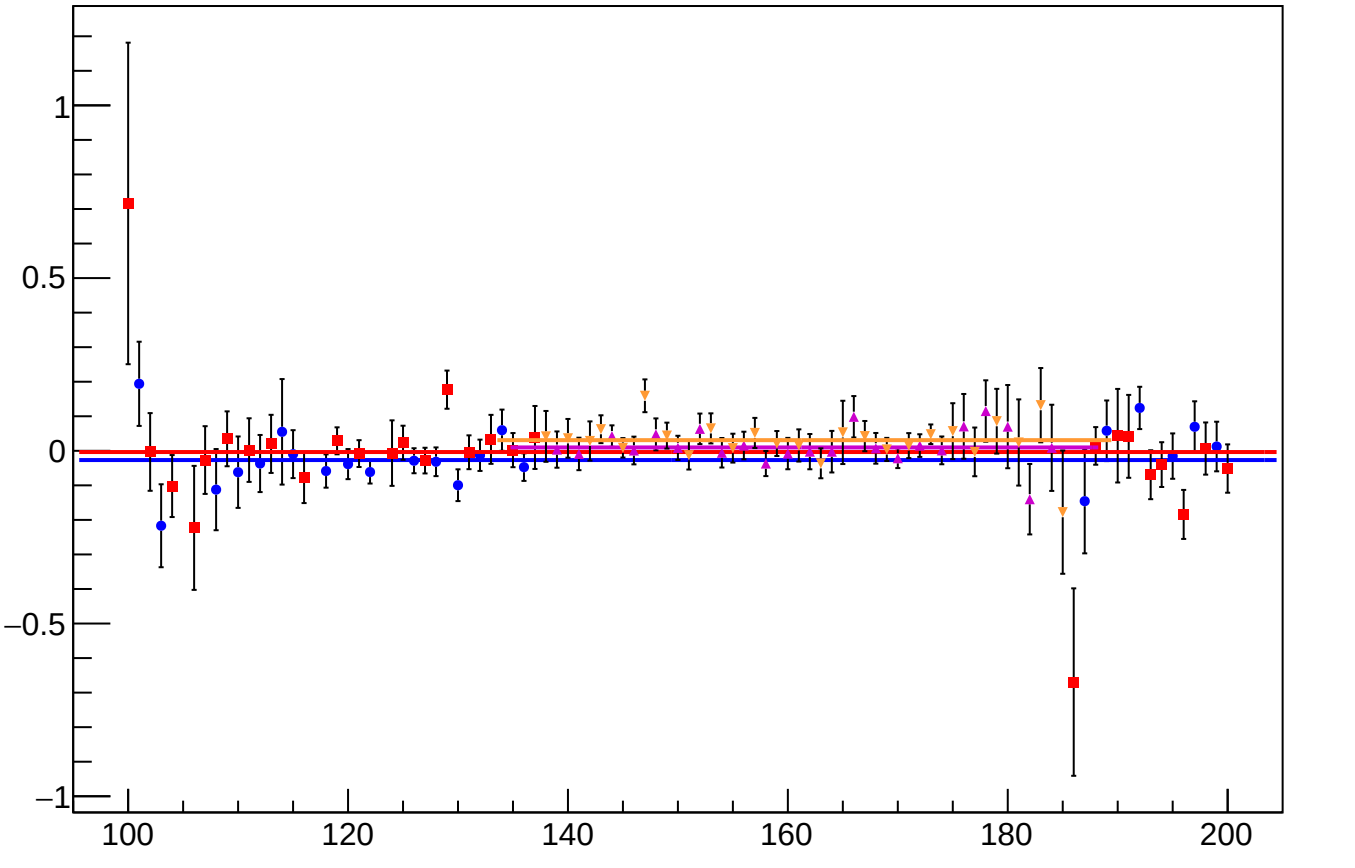
Right Out: 0.002+/-0.000 χ^2/NDF: 6782338.6/27

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 12217950.0/46

All: 0.001+/-0.000 χ^2/NDF: 27344390.7/97

- sign 0.001+/-0.000 χ^2/NDF: 15116297.2/50



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

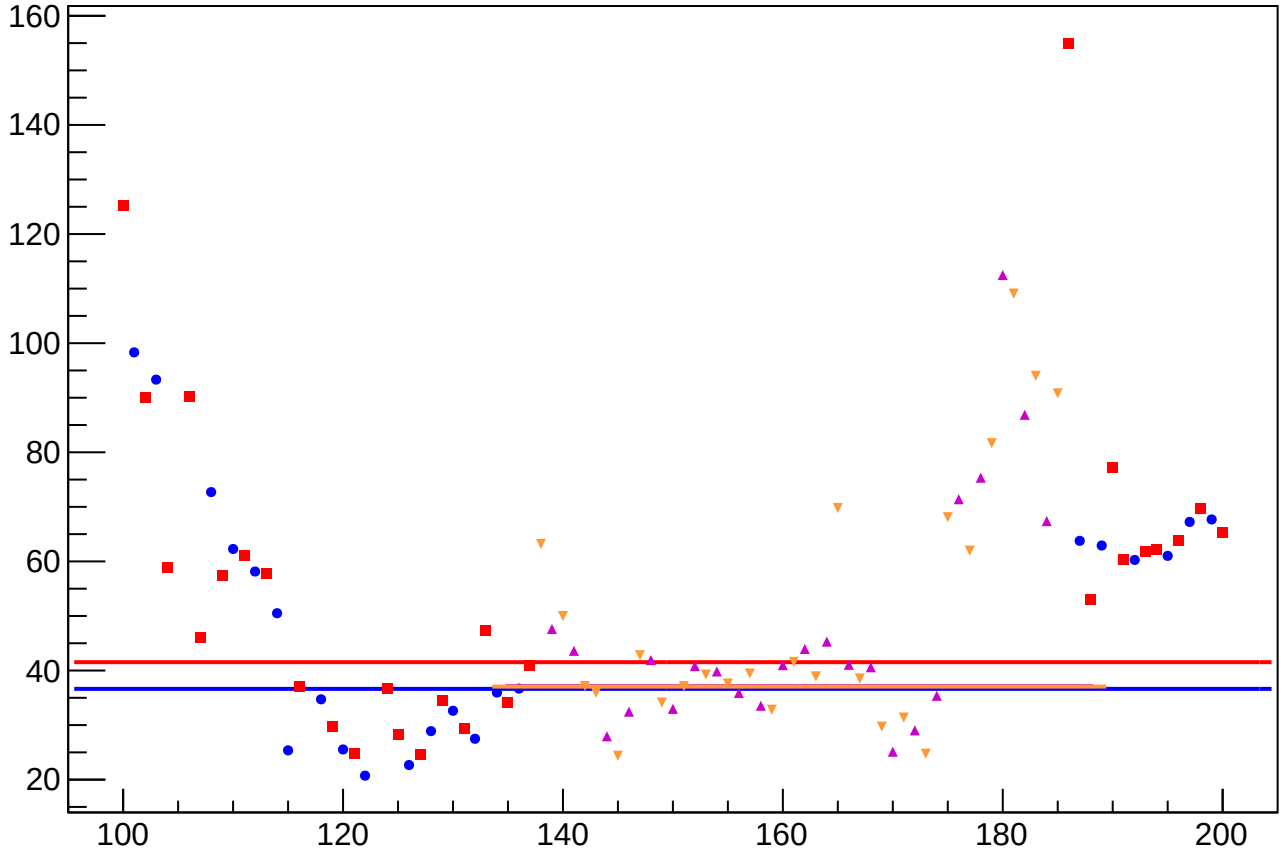
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 103.1/97

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

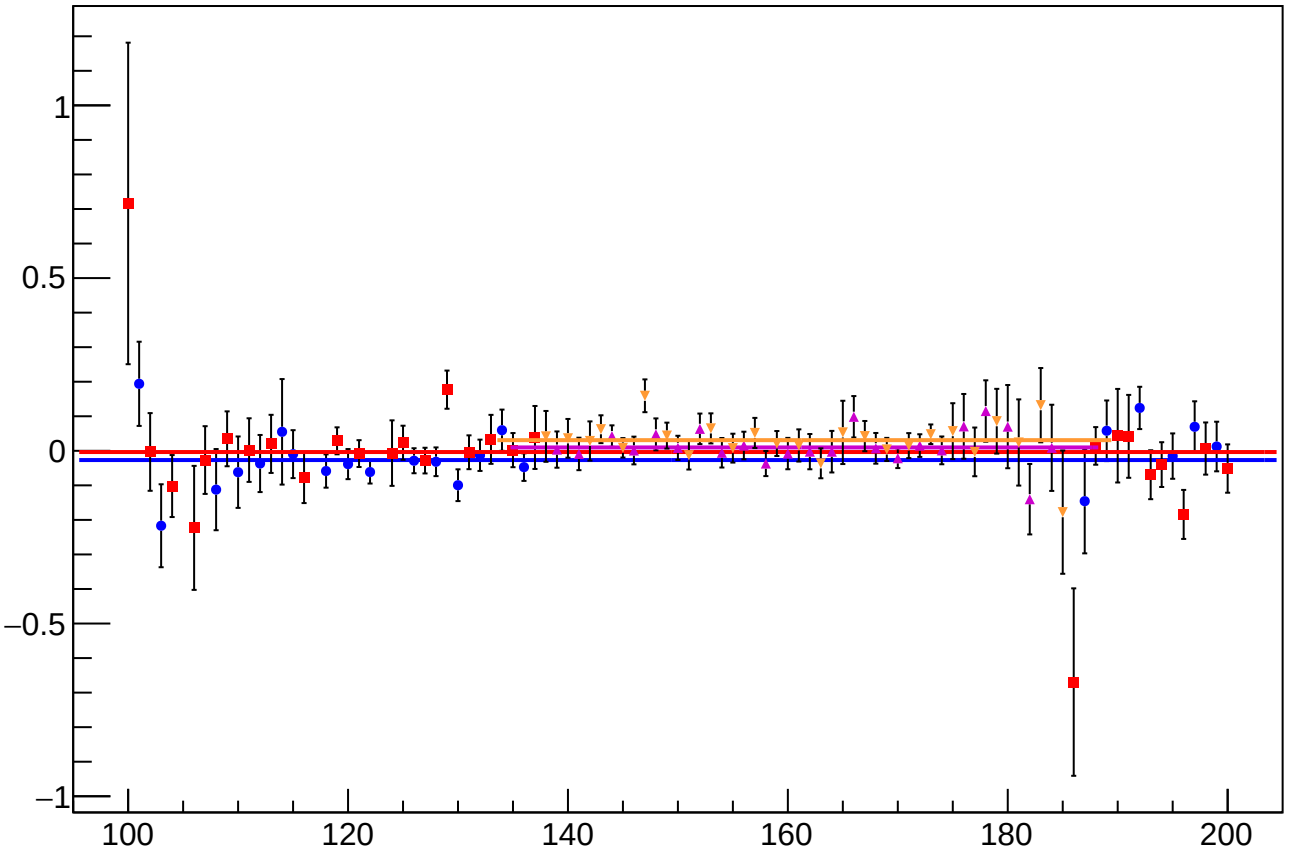
Right Out: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117877.1/46

All: 37.791+/-0.004 χ^2/NDF: 15300672.2/97

- sign 38.724+/-0.005 χ^2/NDF: 7122265.8/50



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

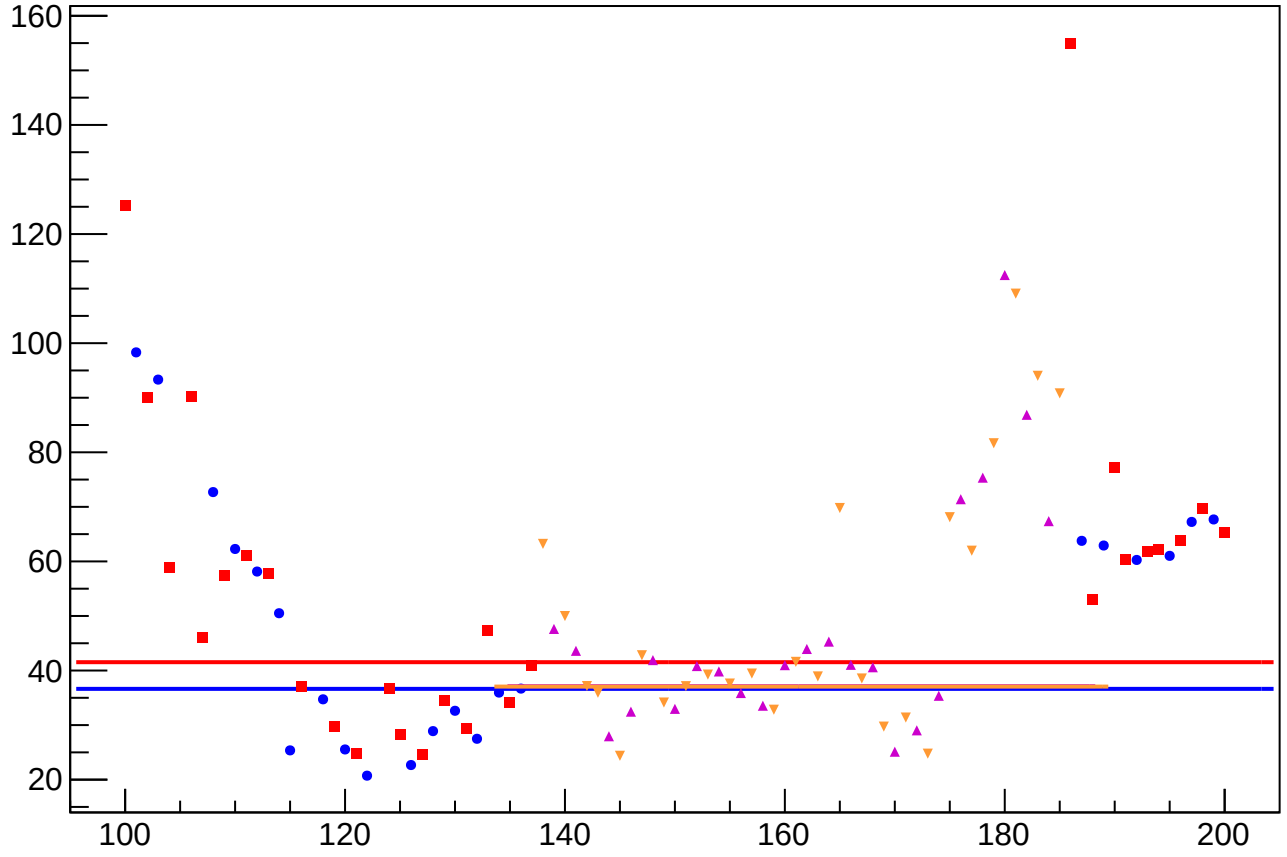
Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 103.1/97

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

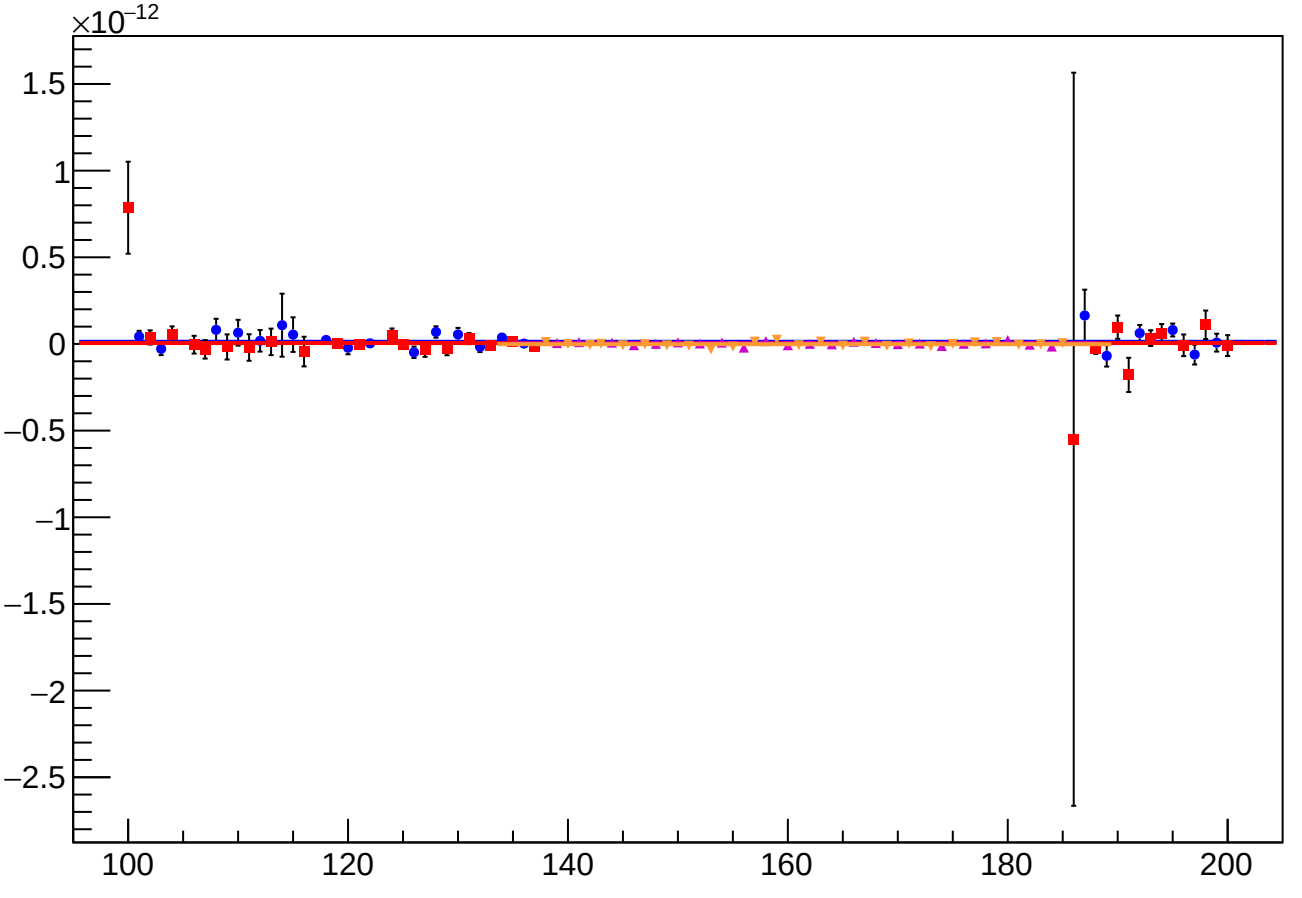
Right Out: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117877.1/46

All: 37.791+/-0.004 χ^2/NDF: 15300672.2/97

- sign 38.724+/-0.005 χ^2/NDF: 7122265.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

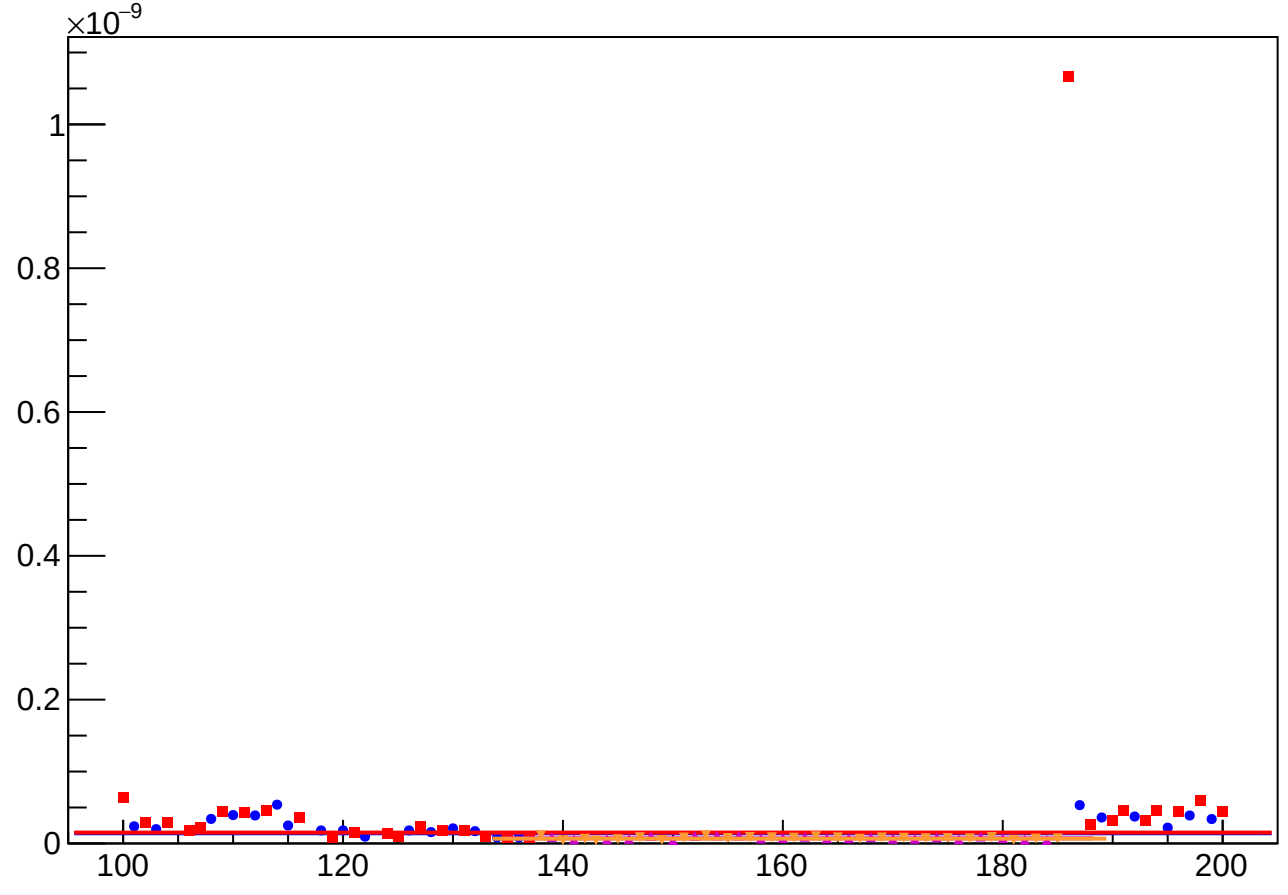
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/46

All: 0.000+/-0.000 χ^2/NDF: 105.4/97

- sign 0.000+/-0.000 χ^2/NDF: 47.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3913246.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6450397.5/27

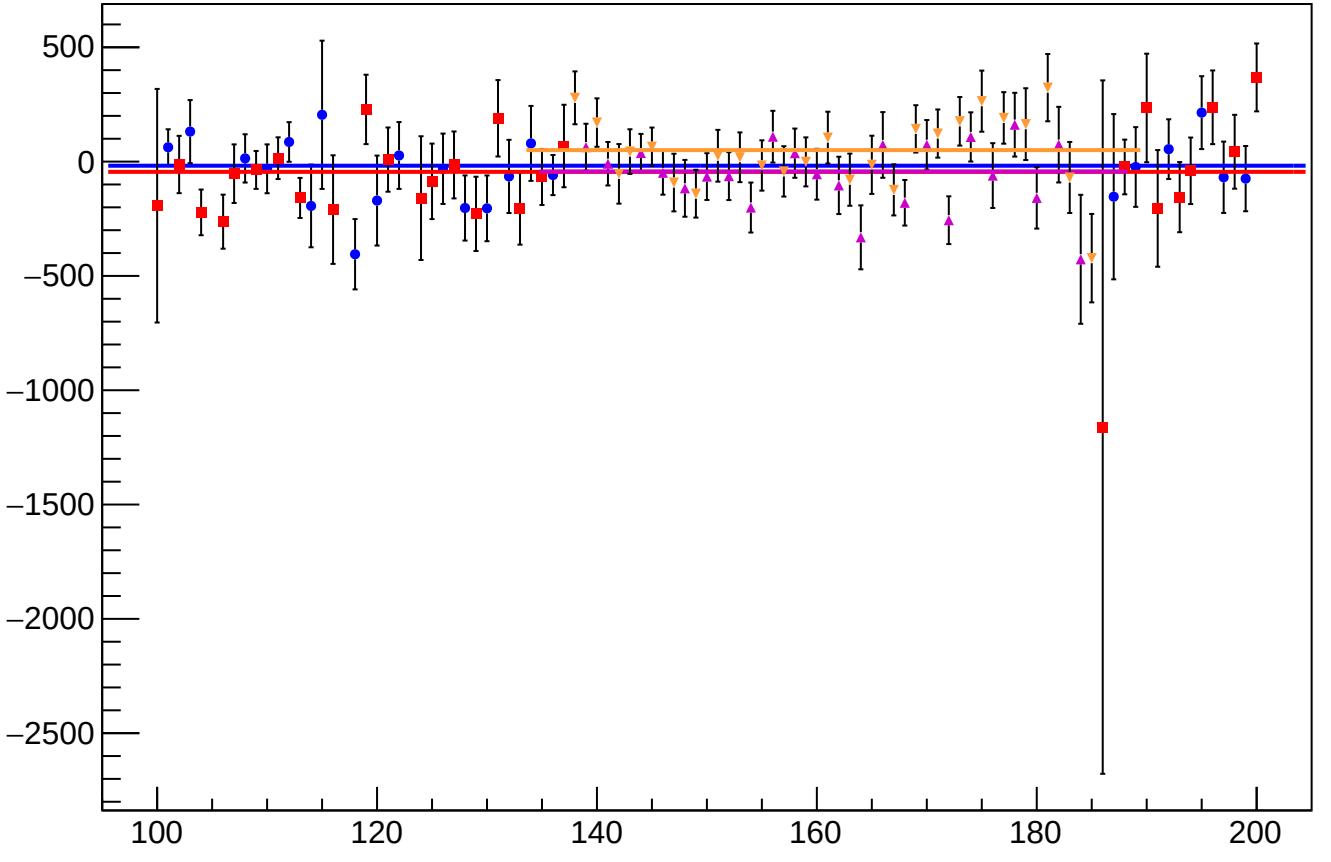
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8546219.5/46

All: 0.000+/-0.000 χ^2/NDF: 19464161.8/97

- sign 0.000+/-0.000 χ^2/NDF: 10838402.7/50

reg_asym_sam_1548_avg_mean vs Slug



Right In: -17.950+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -44.780+/-26.432 χ^2/NDF: 31.7/27

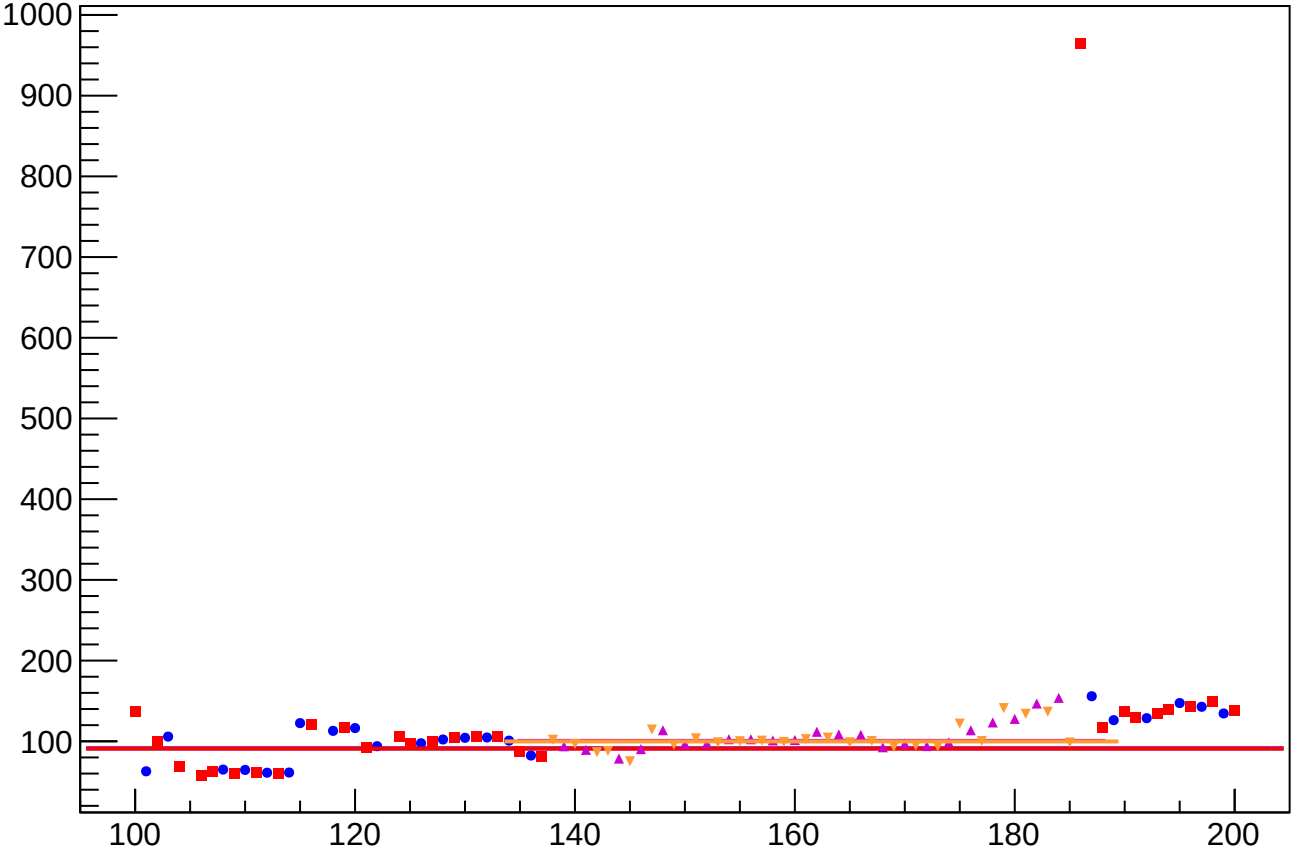
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.150+/-17.814 χ^2/NDF: 56.1/46

All: -10.602+/-12.545 χ^2/NDF: 121.5/97

- sign -43.810+/-17.670 χ^2/NDF: 58.3/50

reg_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952543.2/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

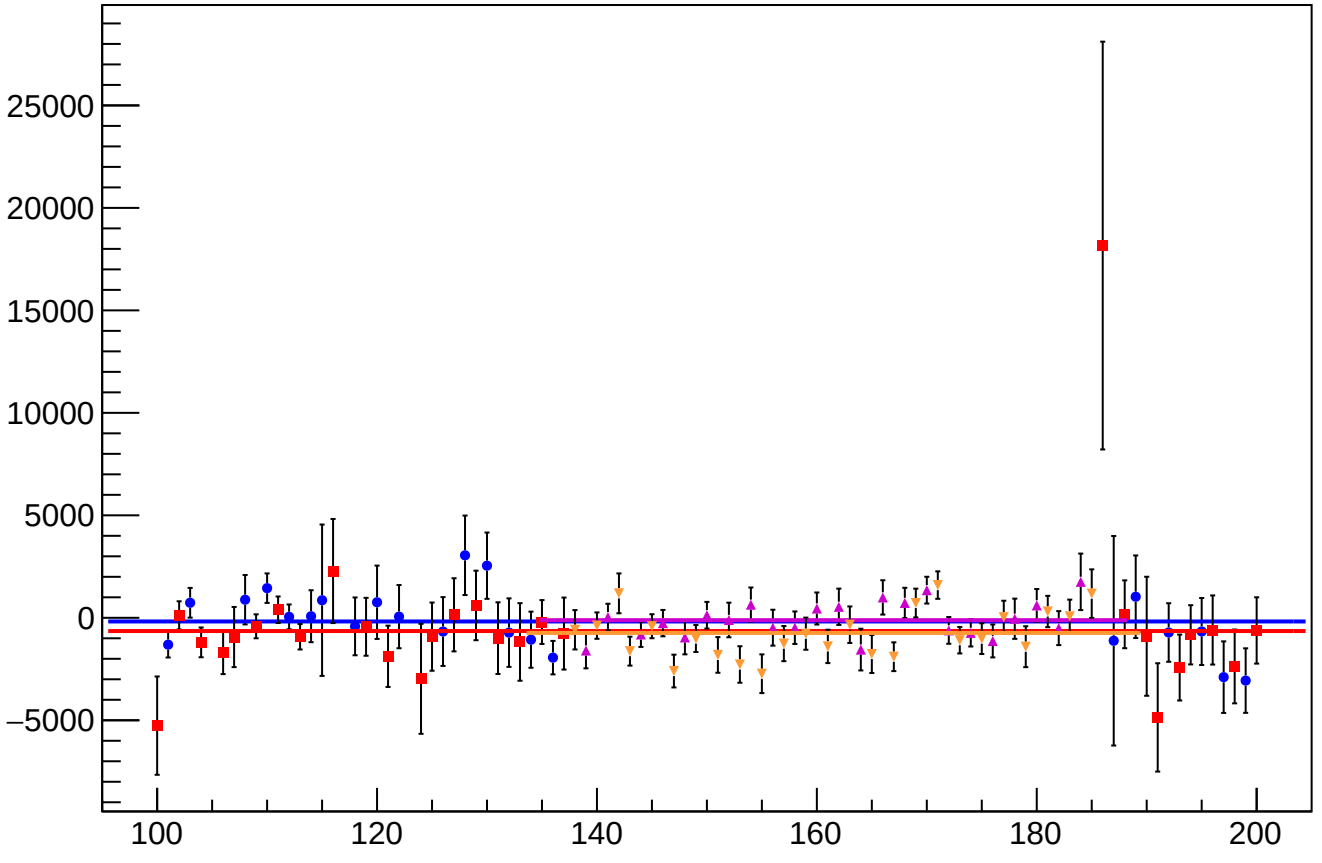
Right Out: 90.950+/-0.019 χ^2/NDF: 3225582.7/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 96.418+/-0.013 χ^2/NDF: 2761882.7/46

All: 96.324+/-0.009 χ^2/NDF: 6788760.4/97

\- sign 96.231+/-0.012 χ^2/NDF: 4026766.6/50



Right In: -178.521+/-242.380 χ^2/NDF: 28.6/21

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -645.980+/-222.907 χ^2/NDF: 21.9/27

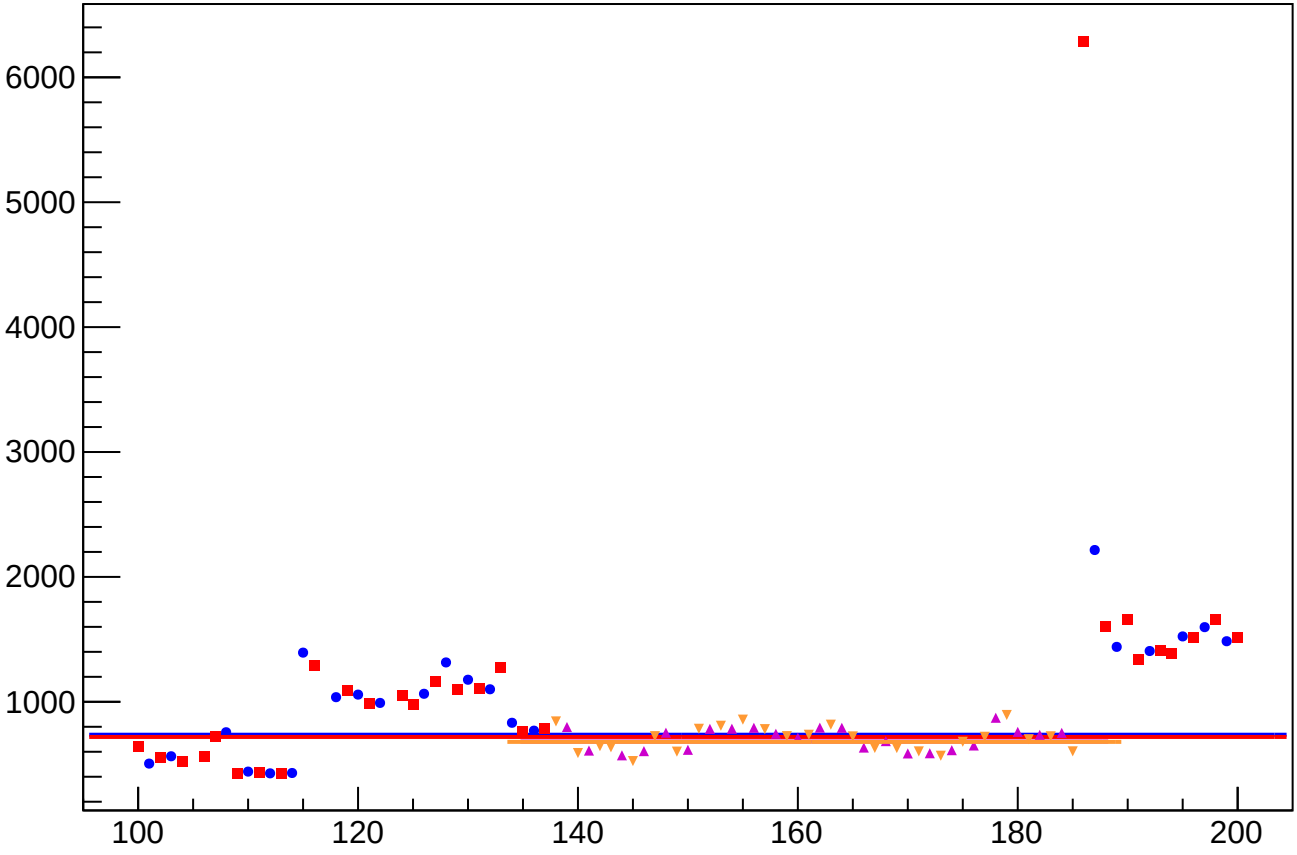
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.919+/-131.363 χ^2/NDF: 82.1/46

All: -434.780+/-92.585 χ^2/NDF: 133.7/97

- sign -297.442+/-130.511 χ^2/NDF: 49.4/50

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 736.490+/-0.171 χ^2/NDF: 4403300.2/21

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 718.674+/-0.158 χ^2/NDF: 6331304.5/27

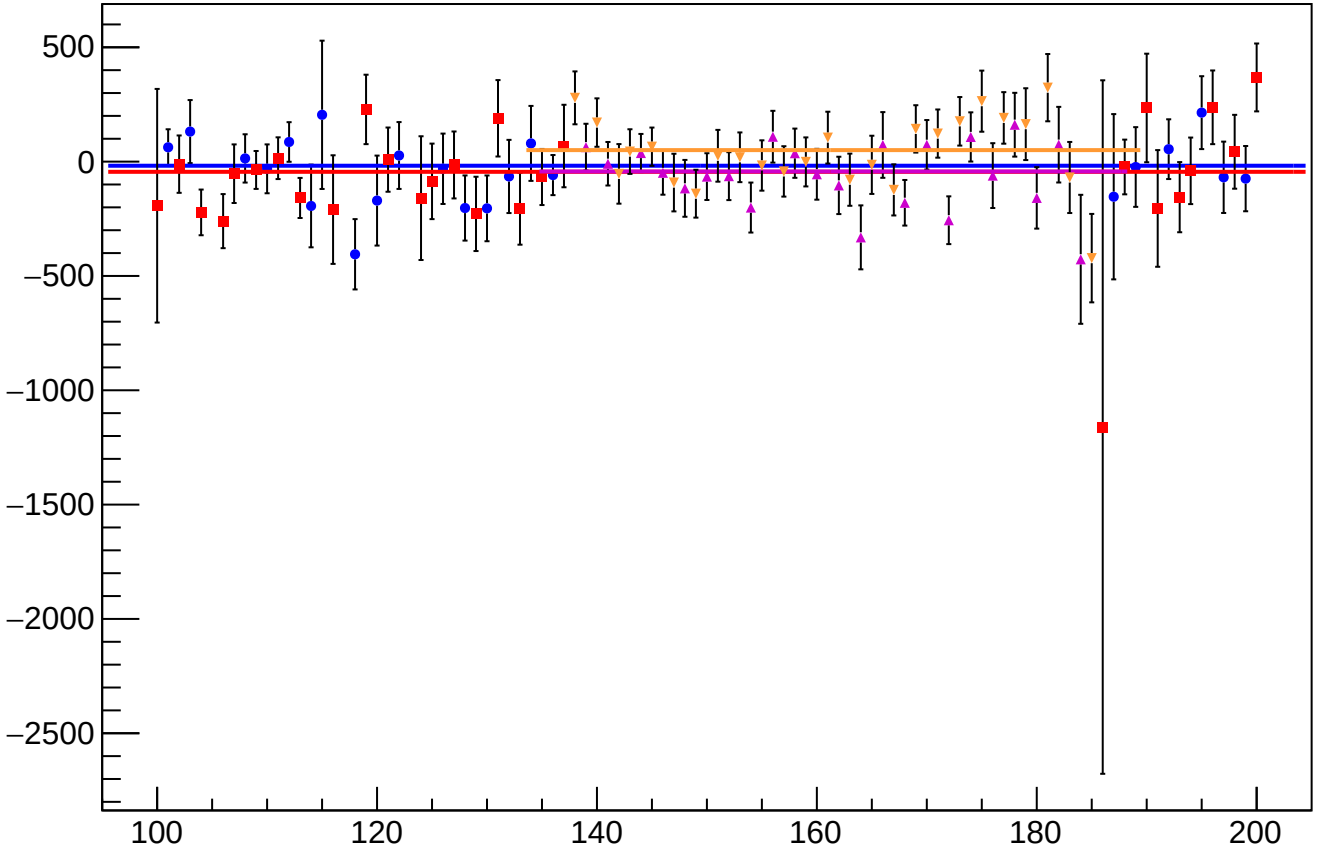
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 695.990+/-0.093 χ^2/NDF: 5219782.9/46

All: 695.241+/-0.065 χ^2/NDF: 12160814.7/97

- sign 694.502+/-0.092 χ^2/NDF: 6940902.5/50

cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -44.573+/-26.433 χ^2/NDF: 31.6/27

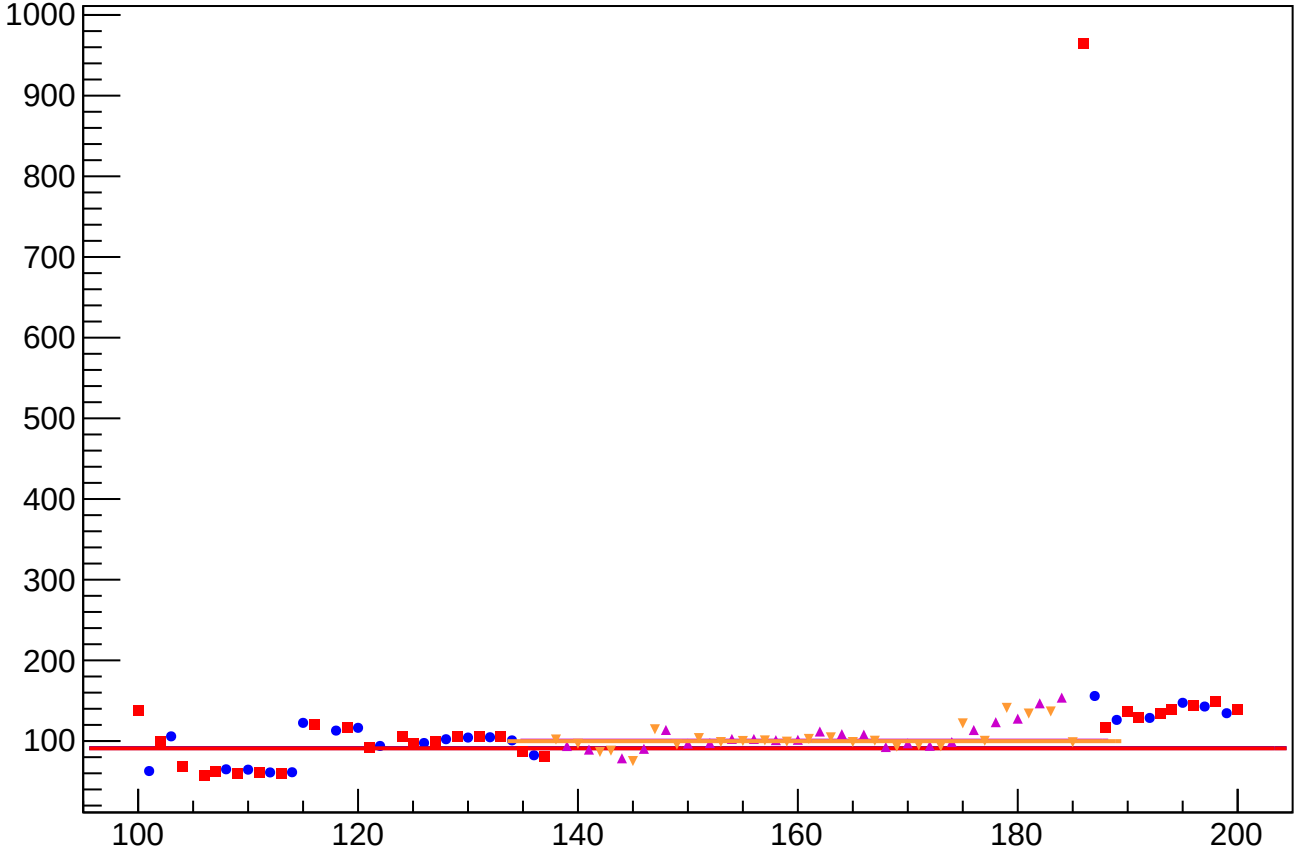
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.154+/-17.814 χ^2/NDF: 56.1/46

All: -10.552+/-12.545 χ^2/NDF: 121.4/97

- sign -43.717+/-17.670 χ^2/NDF: 58.2/50

cor_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

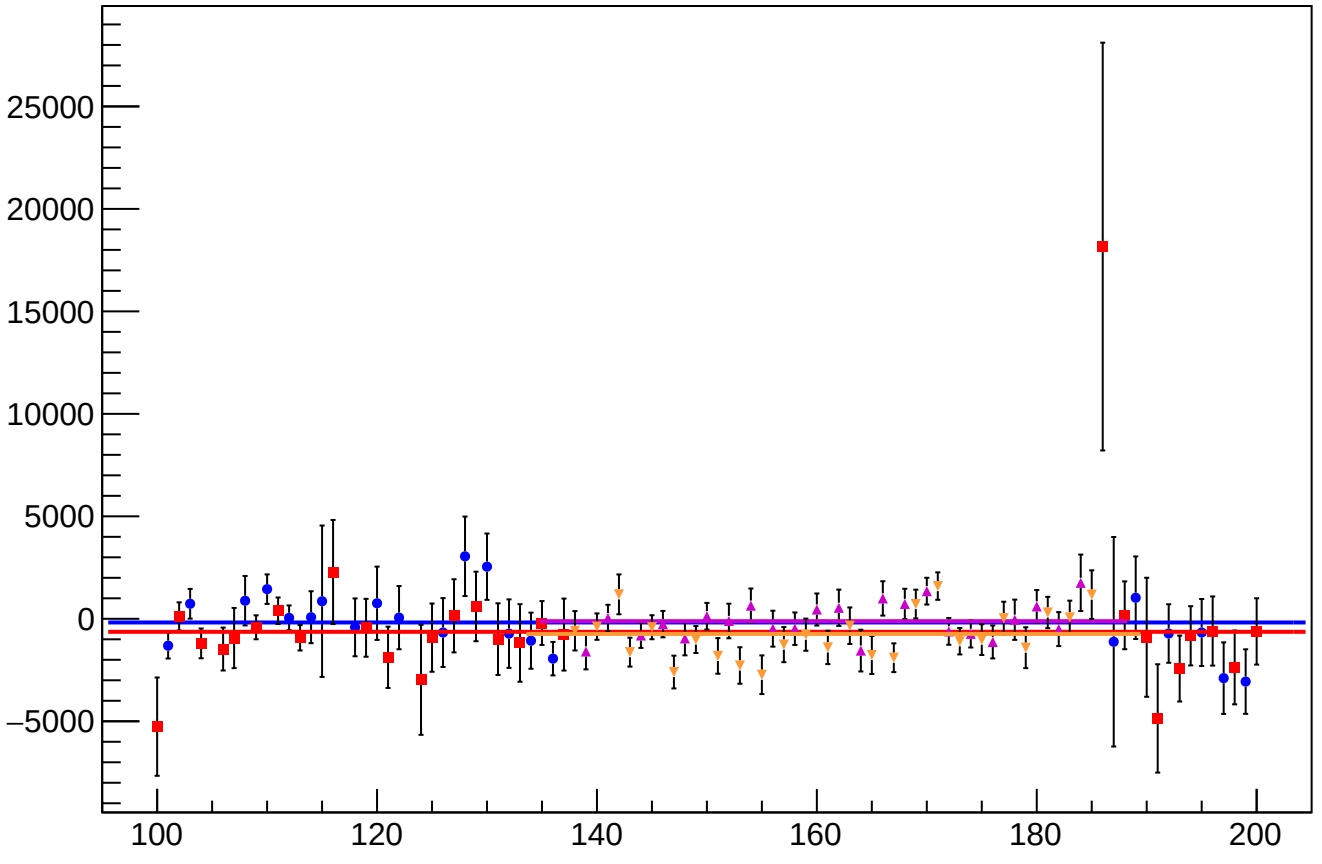
Right Out: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.418+/-0.013 χ^2/NDF: 2761883.9/46

All: 96.321+/-0.009 χ^2/NDF: 6792311.6/97

- sign 96.226+/-0.012 χ^2/NDF: 4030309.7/50



Right In: -178.547+/-242.382 χ^2/NDF: 28.6/21

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -634.765+/-223.028 χ^2/NDF: 21.5/27

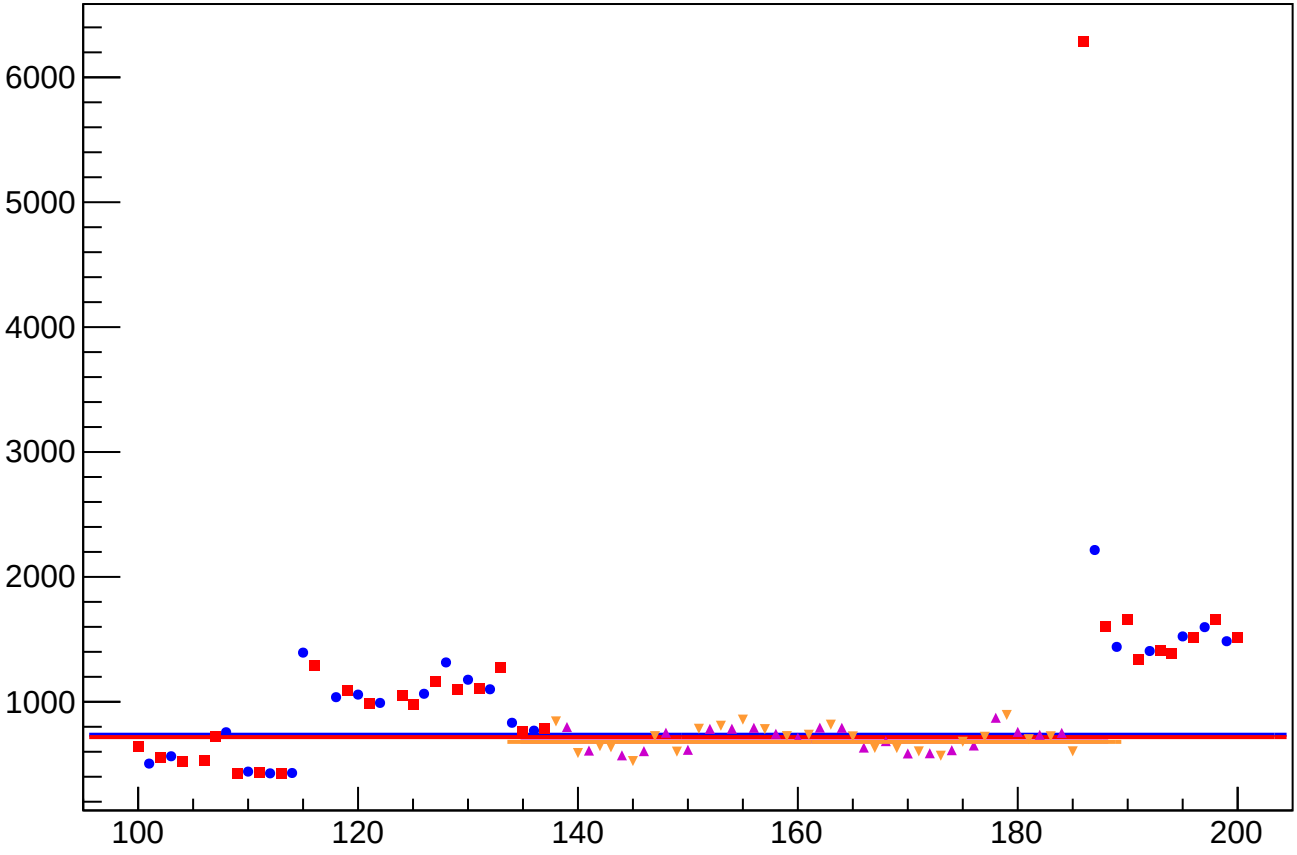
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.921+/-131.364 χ^2/NDF: 82.1/46

All: -432.808+/-92.594 χ^2/NDF: 133.1/97

- sign -293.470+/-130.535 χ^2/NDF: 48.8/50

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

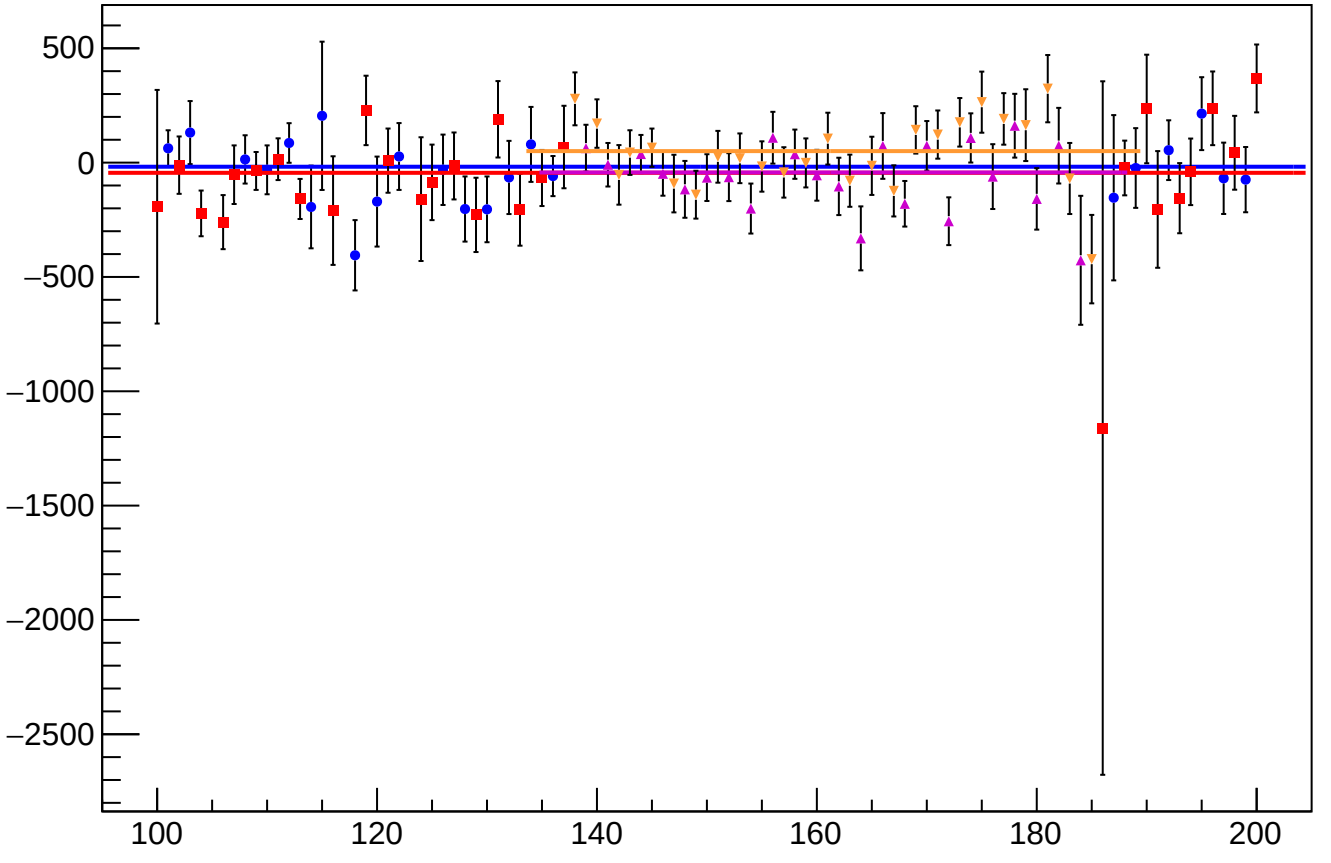
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 695.993+/-0.093 χ^2/NDF: 5219709.2/46

All: 695.007+/-0.065 χ^2/NDF: 12178292.6/97

- sign 694.034+/-0.092 χ^2/NDF: 6958359.6/50

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -44.573+/-26.433 χ^2/NDF: 31.6/27

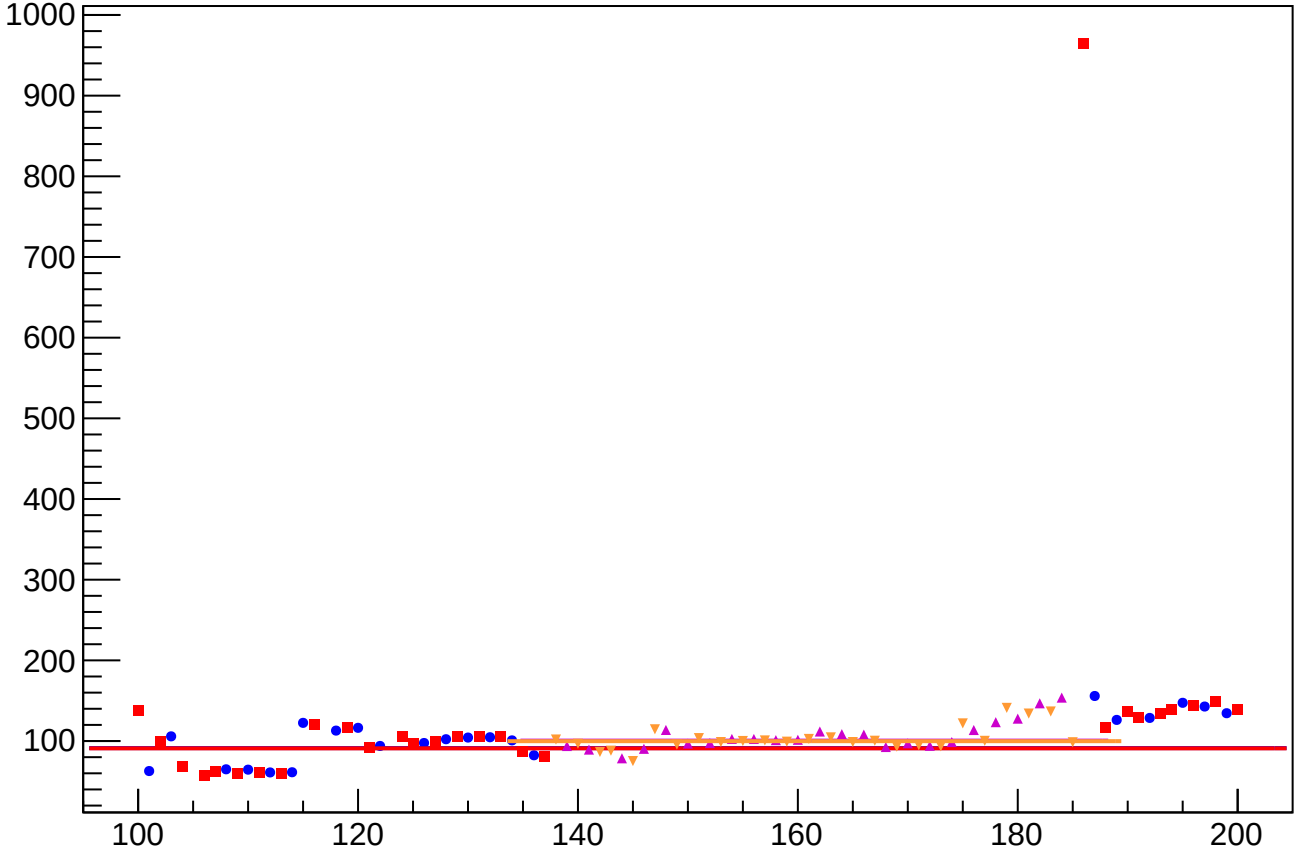
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.154+/-17.814 χ^2/NDF: 56.1/46

All: -10.552+/-12.545 χ^2/NDF: 121.4/97

- sign -43.717+/-17.670 χ^2/NDF: 58.2/50

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

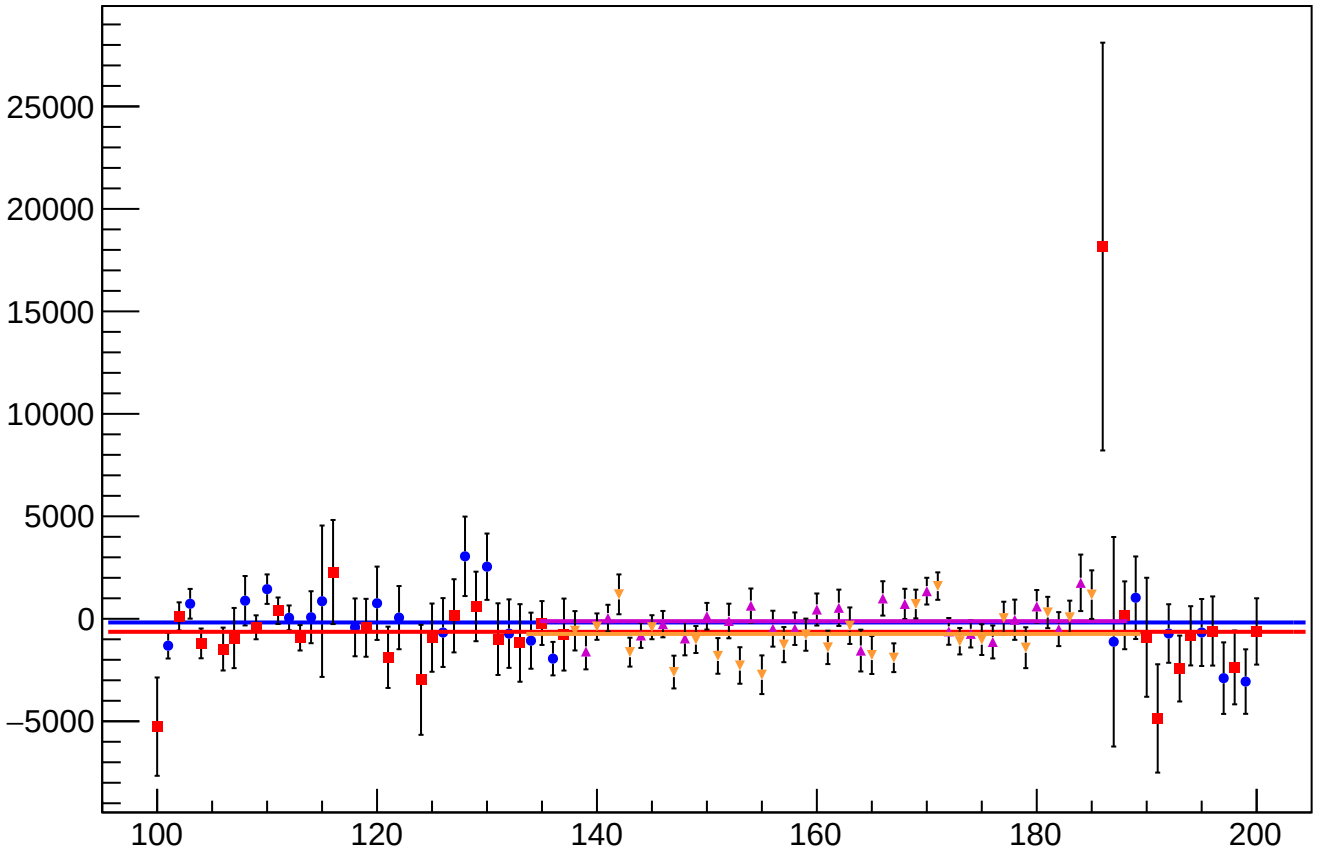
Right Out: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.418+/-0.013 χ^2/NDF: 2761883.9/46

All: 96.321+/-0.009 χ^2/NDF: 6792311.6/97

- sign 96.226+/-0.012 χ^2/NDF: 4030309.7/50



Right In: -178.547+/-242.382 χ^2/NDF: 28.6/21

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

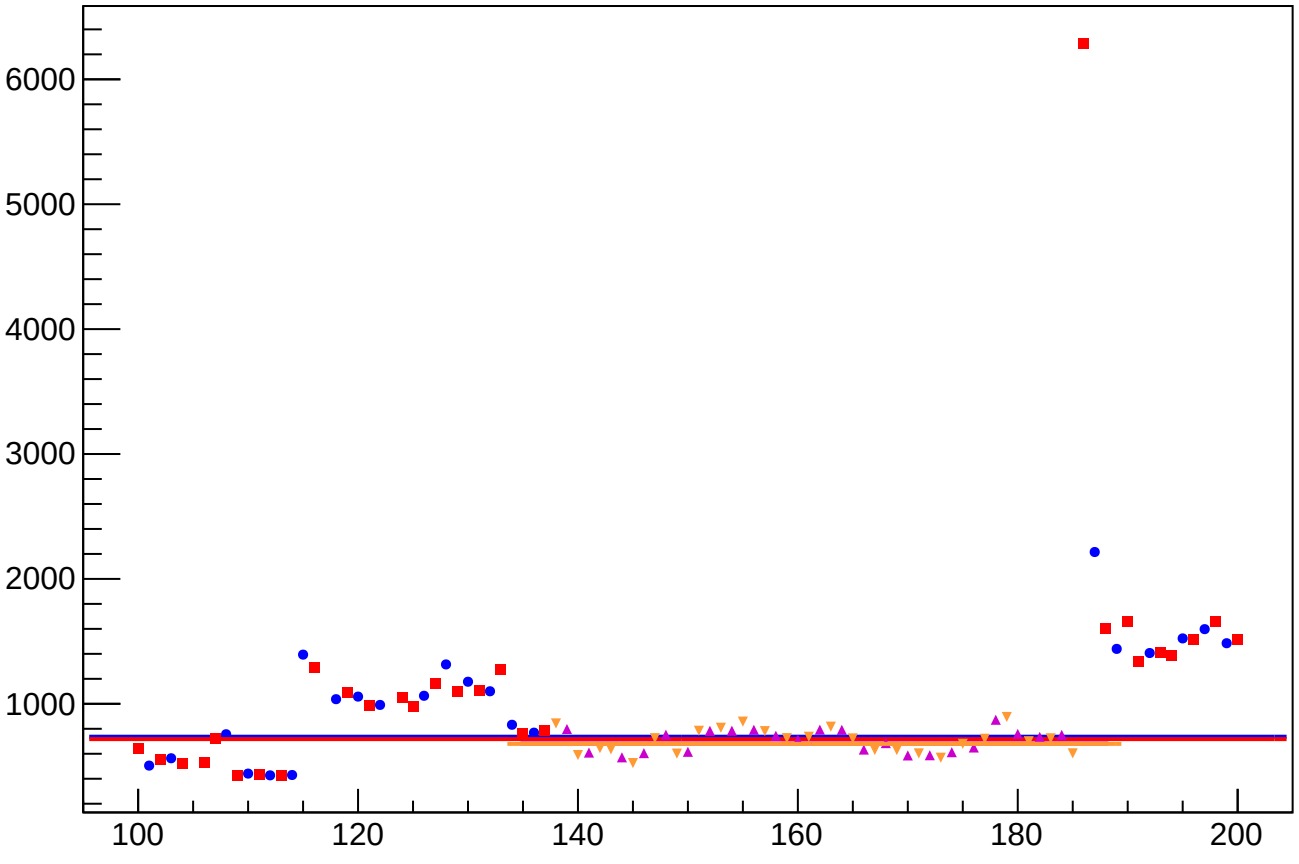
Right Out: -634.765+/-223.028 χ^2/NDF: 21.5/27

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.921+/-131.364 χ^2/NDF: 82.1/46

All: -432.808+/-92.594 χ^2/NDF: 133.1/97

- sign -293.470+/-130.535 χ^2/NDF: 48.8/50



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

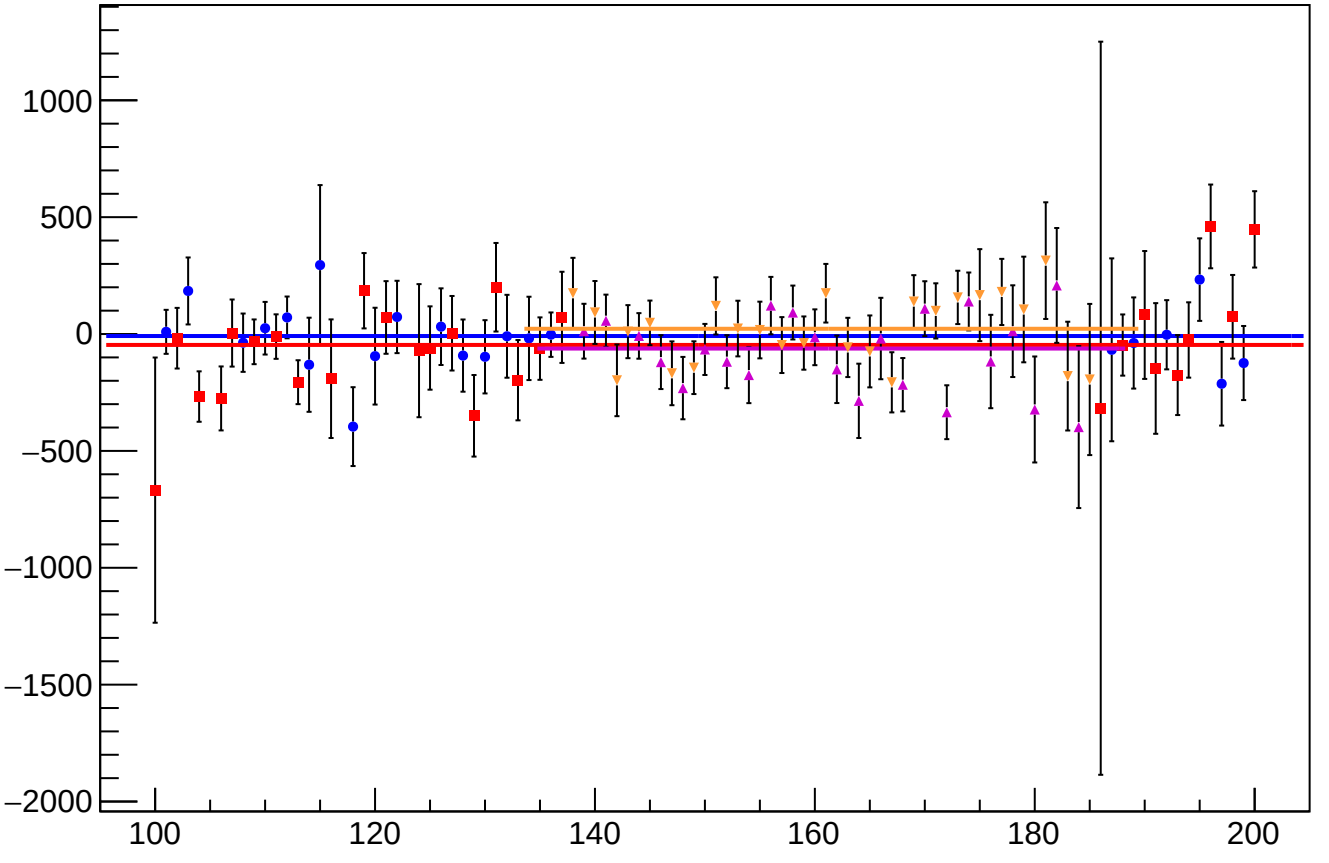
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 695.993+/-0.093 χ^2/NDF: 5219709.2/46

All: 695.007+/-0.065 χ^2/NDF: 12178292.6/97

- sign 694.034+/-0.092 χ^2/NDF: 6958359.6/50

dit_asym_sam_1548_avg_mean vs Slug



Right In: -8.493+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -46.623+/-28.909 χ^2/NDF: 38.9/27

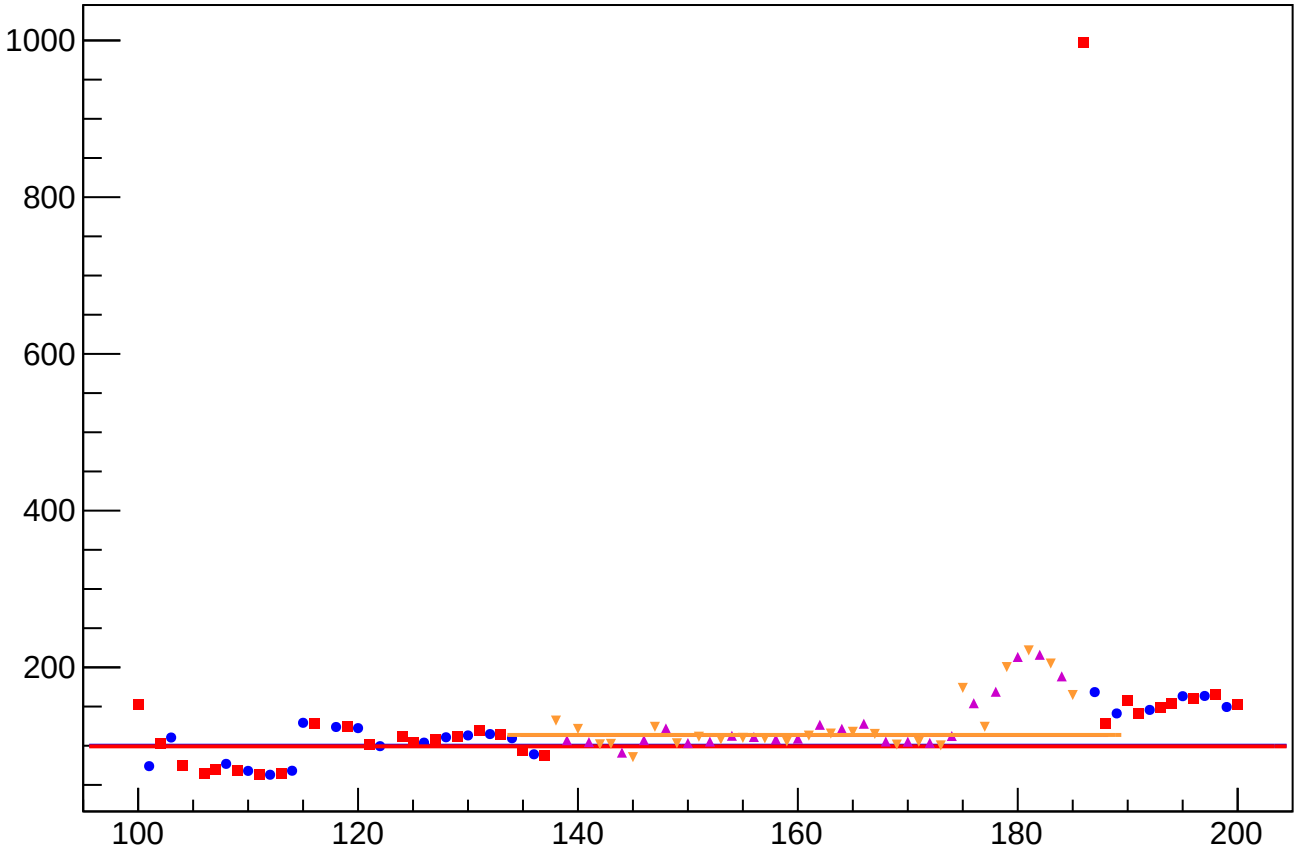
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 9.369+/-20.213 χ^2/NDF: 36.3/46

All: -23.290+/-14.167 χ^2/NDF: 107.8/97

- sign -54.830+/-19.863 χ^2/NDF: 66.4/50

dit_asym_sam_1548_avg_rms vs Slug



Right In: 100.006+/-0.022 χ^2/NDF: 1983459.3/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 99.211+/-0.020 χ^2/NDF: 3258142.1/27

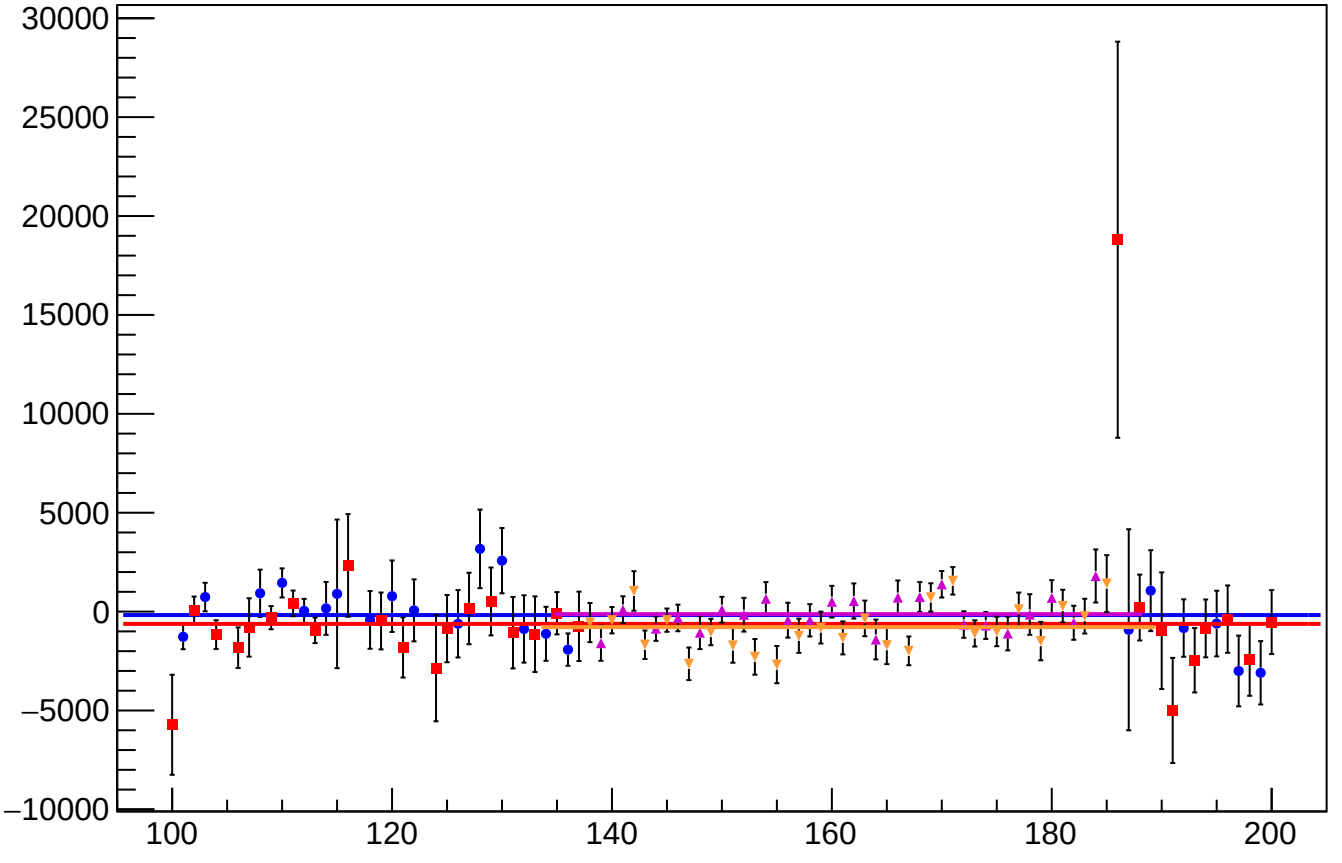
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 107.925+/-0.014 χ^2/NDF: 3789810.1/46

All: 107.377+/-0.010 χ^2/NDF: 8631259.9/97

- sign 106.847+/-0.014 χ^2/NDF: 4838554.8/50

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -621.273+/-225.379 χ^2/NDF: 22.8/27

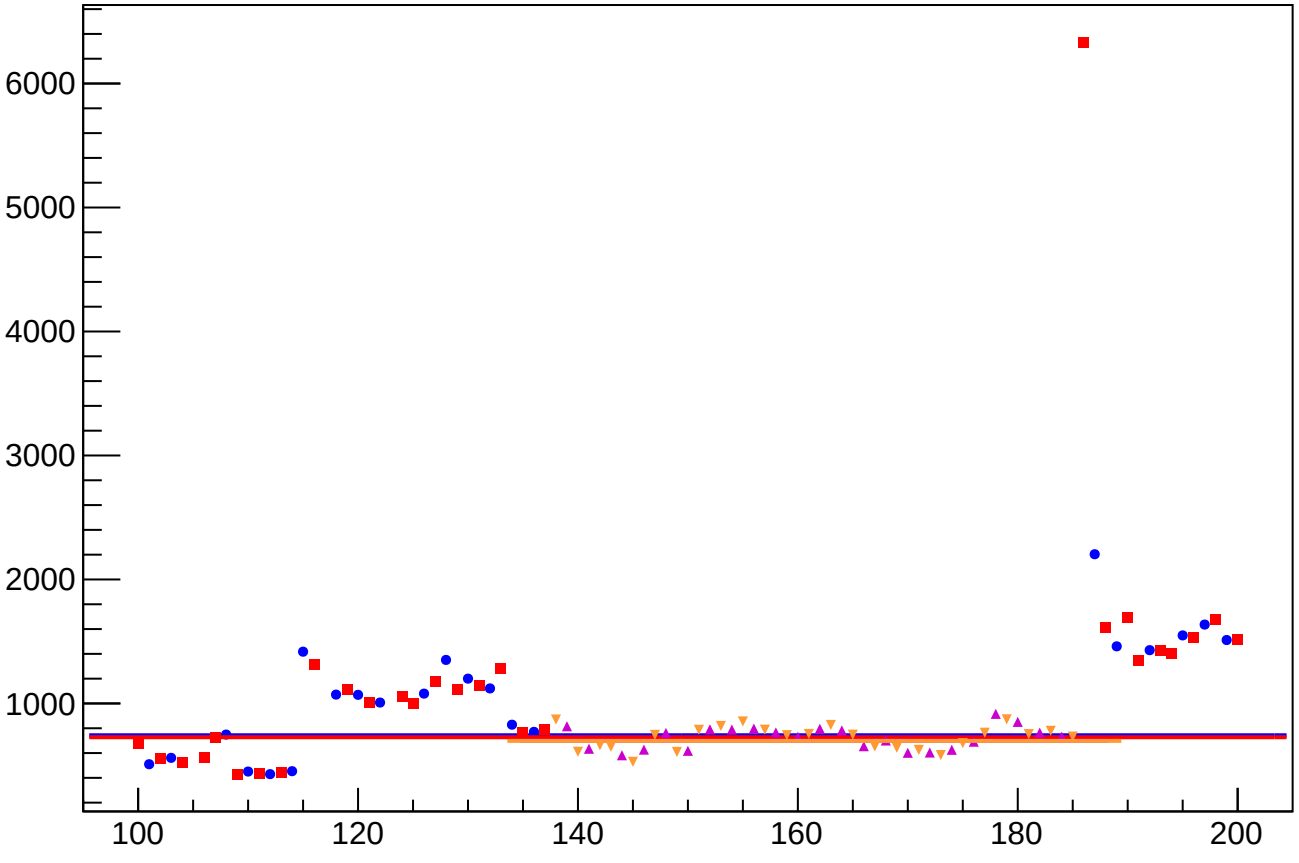
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -601.310+/-134.222 χ^2/NDF: 78.1/46

All: -449.870+/-94.571 χ^2/NDF: 129.3/97

- sign -300.573+/-133.269 χ^2/NDF: 48.7/50

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 743.517+/-0.173 χ^2/NDF: 4448923.6/21

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 727.493+/-0.159 χ^2/NDF: 6317042.1/27

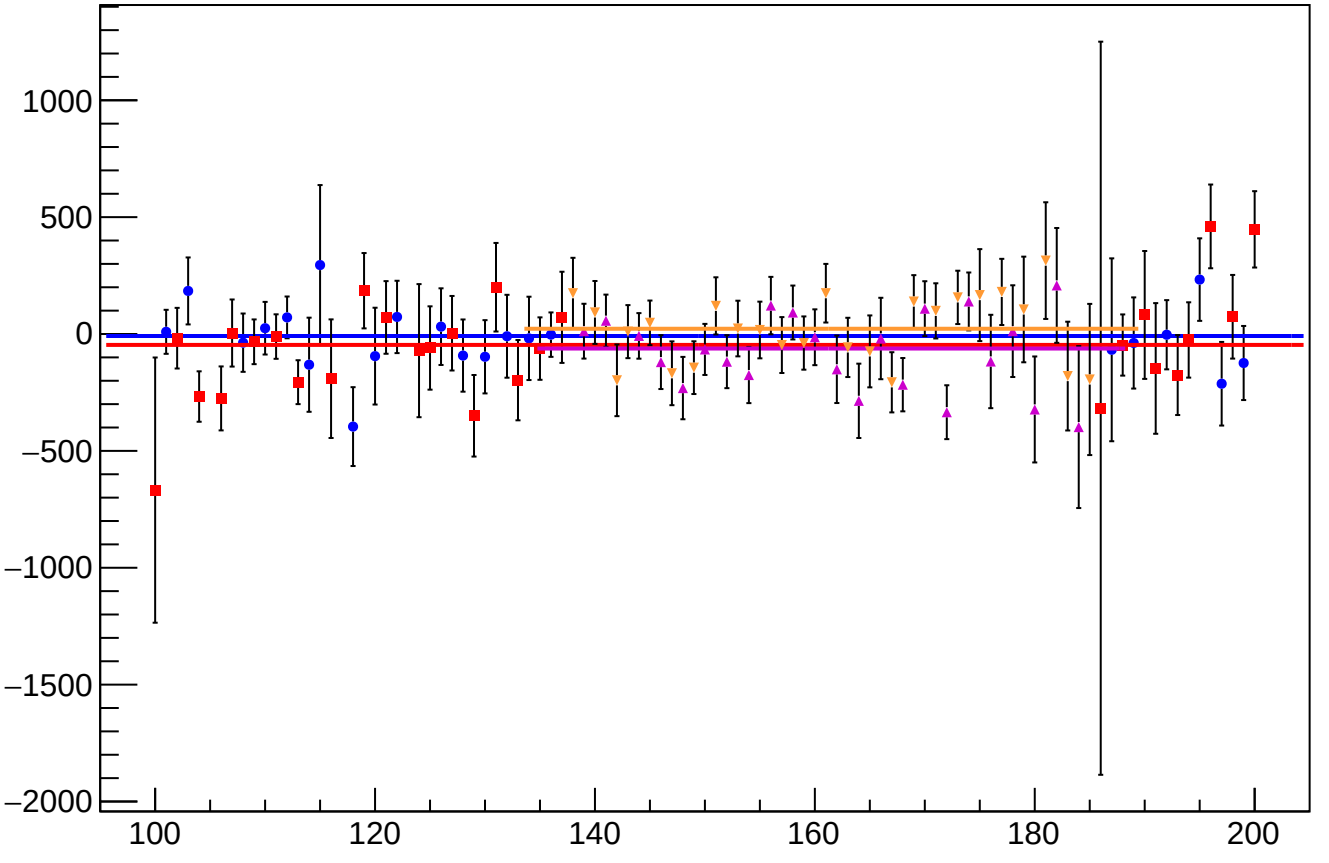
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 711.843+/-0.095 χ^2/NDF: 5211453.0/46

All: 710.746+/-0.067 χ^2/NDF: 12132322.4/97

- sign 709.664+/-0.094 χ^2/NDF: 6920604.0/50

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -8.492+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -46.622+/-28.909 χ^2/NDF: 38.9/27

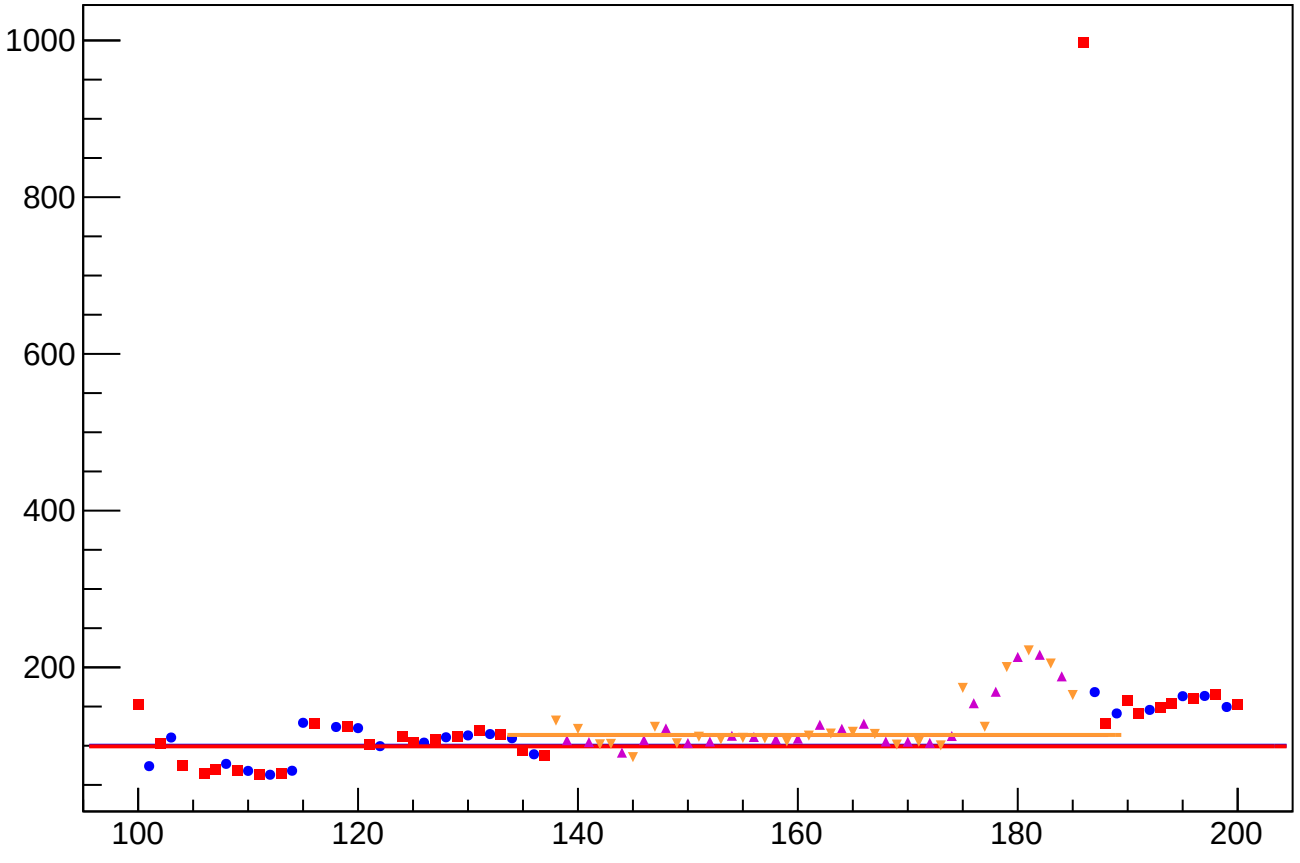
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 9.370+/-20.213 χ^2/NDF: 36.3/46

All: -23.289+/-14.167 χ^2/NDF: 107.8/97

- sign -54.829+/-19.863 χ^2/NDF: 66.4/50

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 100.006+/-0.022 χ^2/NDF: 1983451.4/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

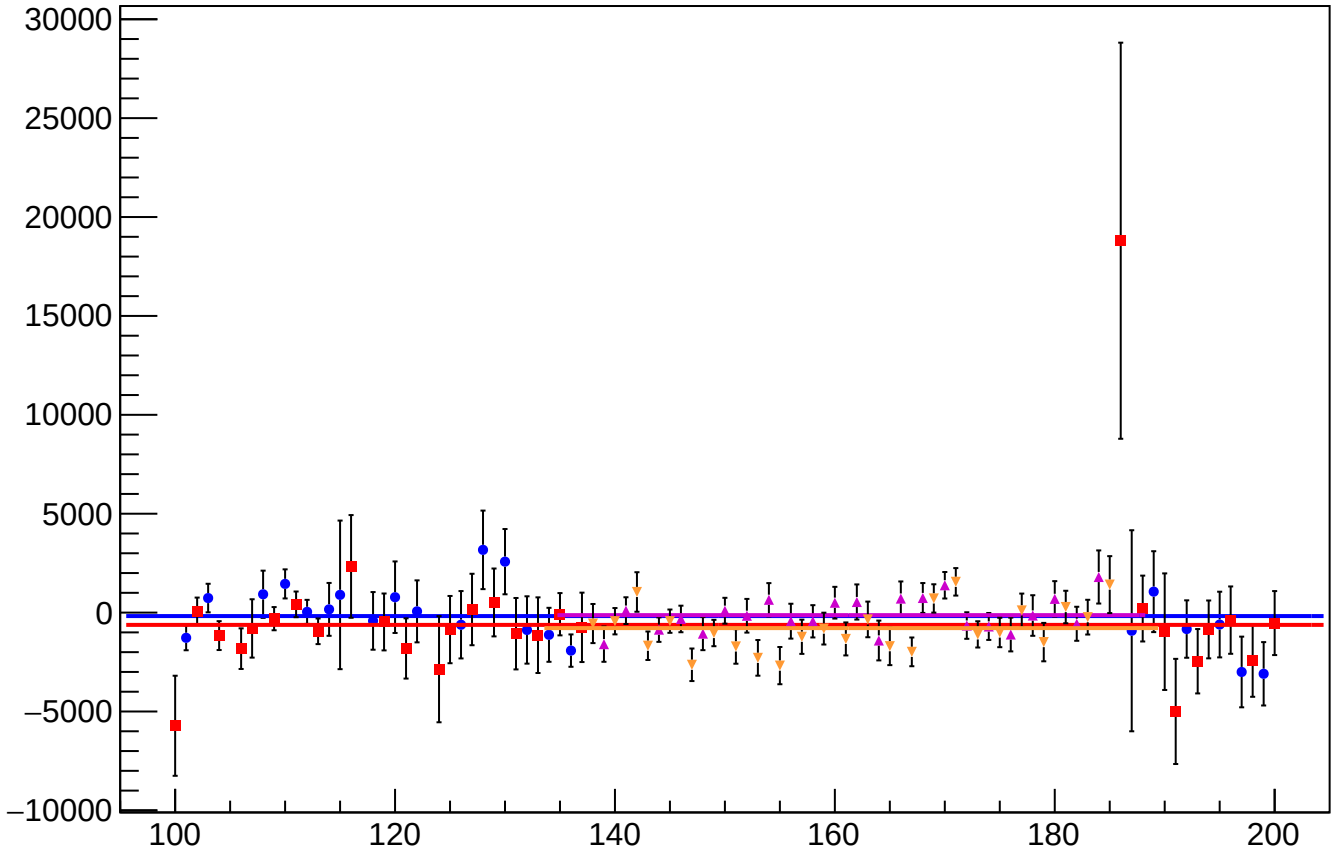
Right Out: 99.211+/-0.020 χ^2/NDF: 3258142.9/27

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 107.925+/-0.014 χ^2/NDF: 3789798.1/46

All: 107.377+/-0.010 χ^2/NDF: 8631234.4/97

- sign 106.847+/-0.014 χ^2/NDF: 4838541.5/50



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

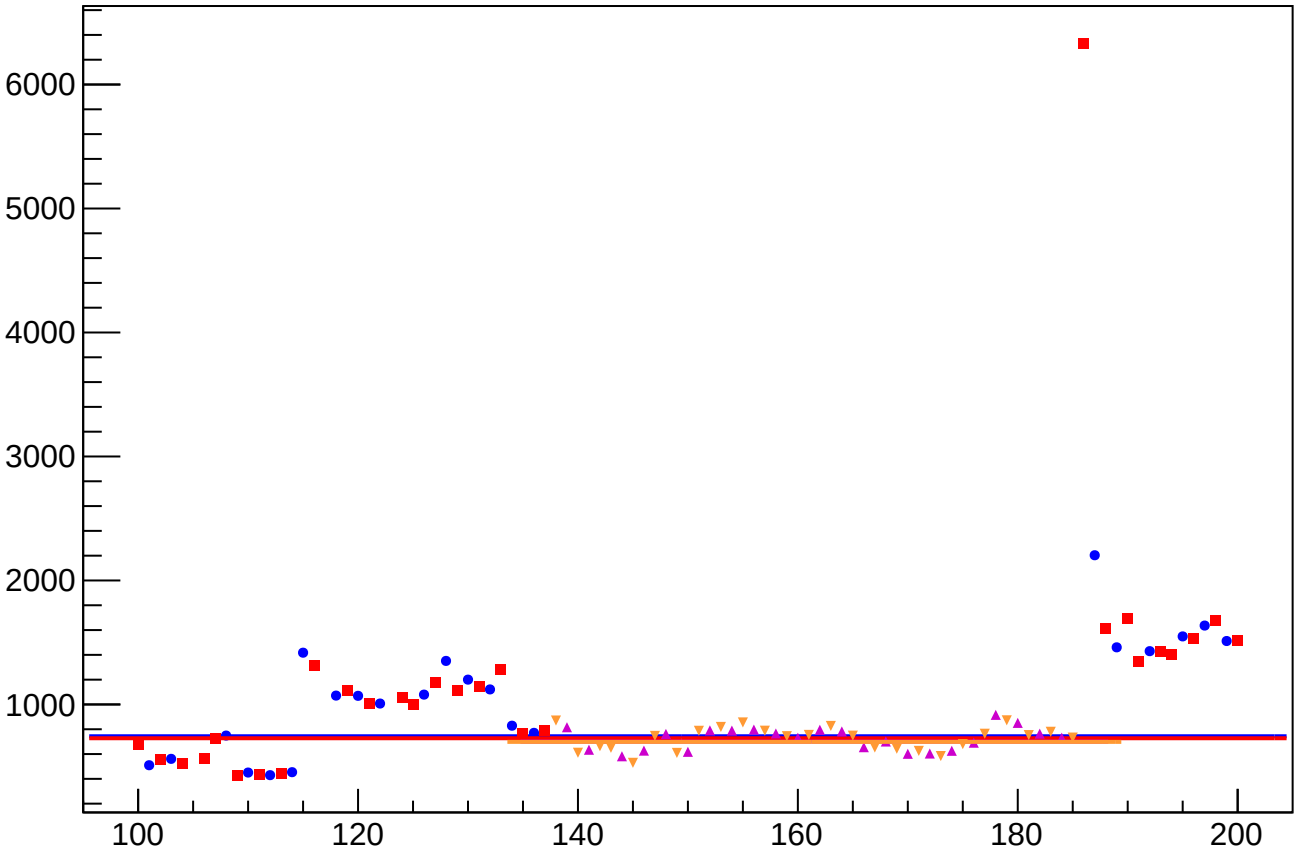
Right Out: -621.272+/-225.379 χ^2/NDF: 22.8/27

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -601.309+/-134.222 χ^2/NDF: 78.1/46

All: -449.869+/-94.570 χ^2/NDF: 129.3/97

- sign -300.572+/-133.269 χ^2/NDF: 48.7/50



Right In: 743.516+/-0.173 χ^2/NDF: 4448925.9/21

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 727.492+/-0.159 χ^2/NDF: 6317038.7/27

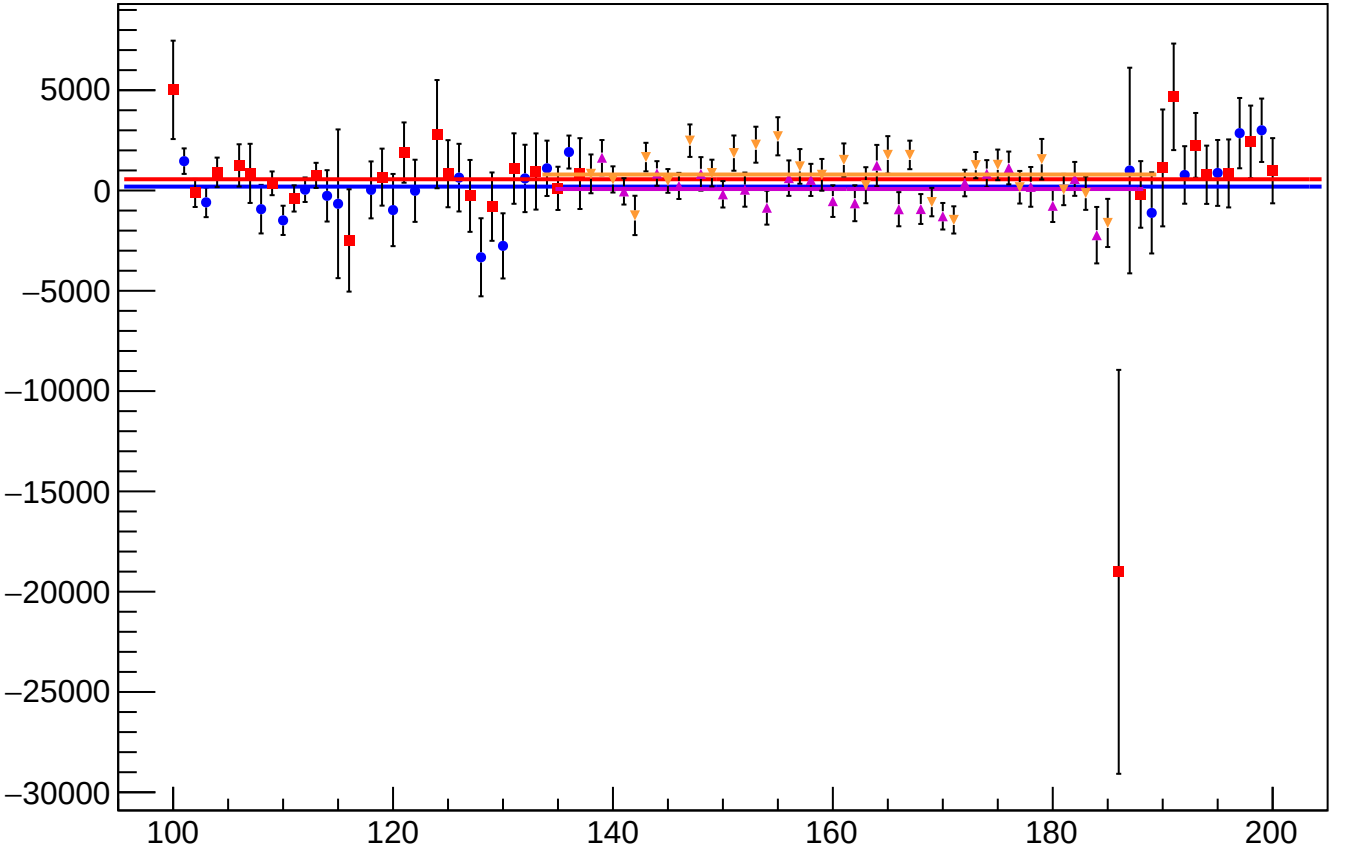
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 711.842+/-0.095 χ^2/NDF: 5211453.5/46

All: 710.745+/-0.067 χ^2/NDF: 12132314.6/97

- sign 709.664+/-0.094 χ^2/NDF: 6920595.8/50

asym_sam_1548_avg_mean vs Slug



Right In: 194.152+/-244.840 χ^2/NDF: 29.8/21

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 560.828+/-225.174 χ^2/NDF: 20.1/27

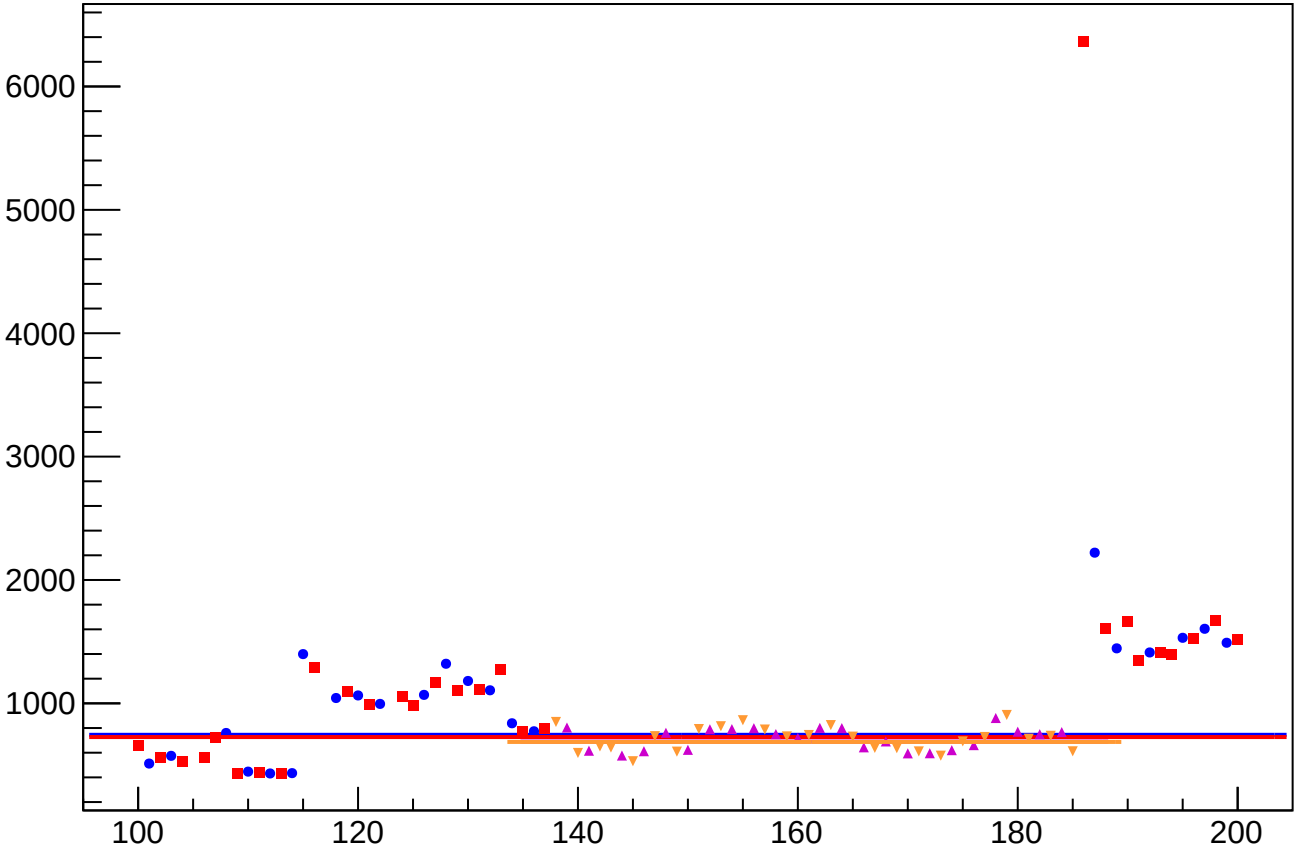
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 619.469+/-132.841 χ^2/NDF: 80.5/46

All: 428.941+/-93.624 χ^2/NDF: 132.7/97

- sign 240.899+/-131.972 χ^2/NDF: 48.1/50

asym_sam_1548_avg_rms vs Slug



Right In: 745.069+/-0.173 χ^2/NDF: 4343040.7/21

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

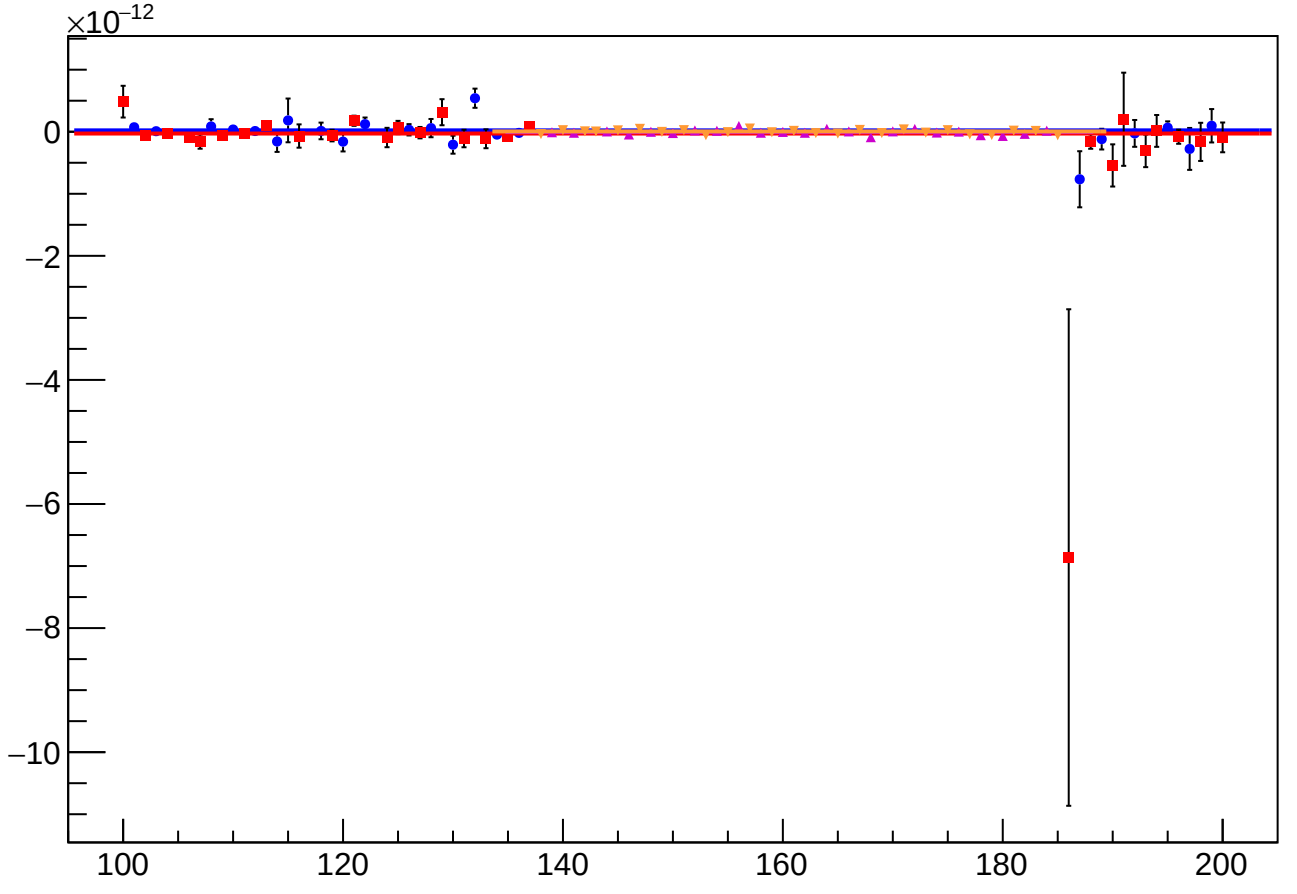
Right Out: 726.845+/-0.159 χ^2/NDF: 6265747.8/27

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 704.266+/-0.094 χ^2/NDF: 5149756.1/46

All: 703.455+/-0.066 χ^2/NDF: 12017902.3/97

- sign 702.654+/-0.093 χ^2/NDF: 6867998.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/27

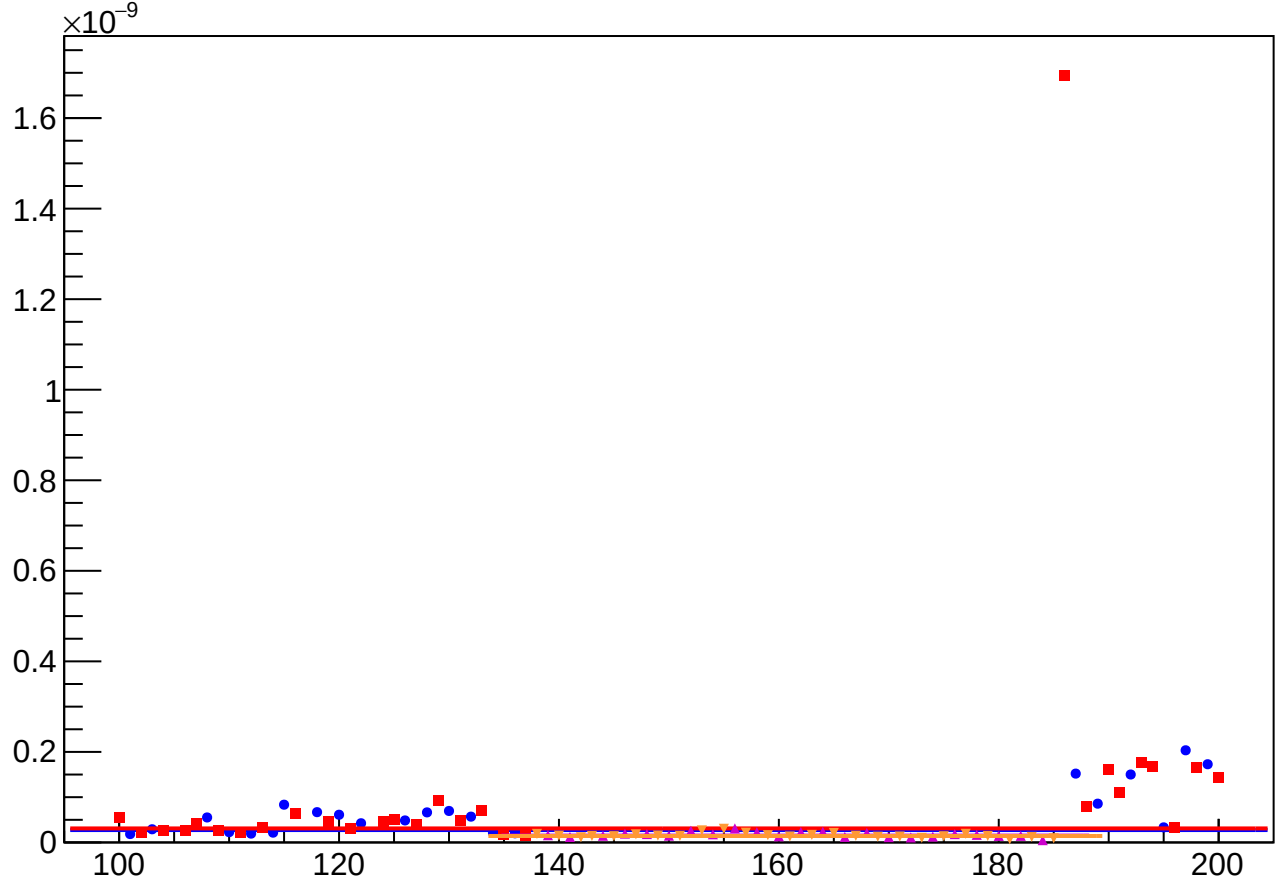
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/46

All: -0.000+/-0.000 χ^2/NDF: 118.1/97

- sign -0.000+/-0.000 χ^2/NDF: 62.3/50

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3528187.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

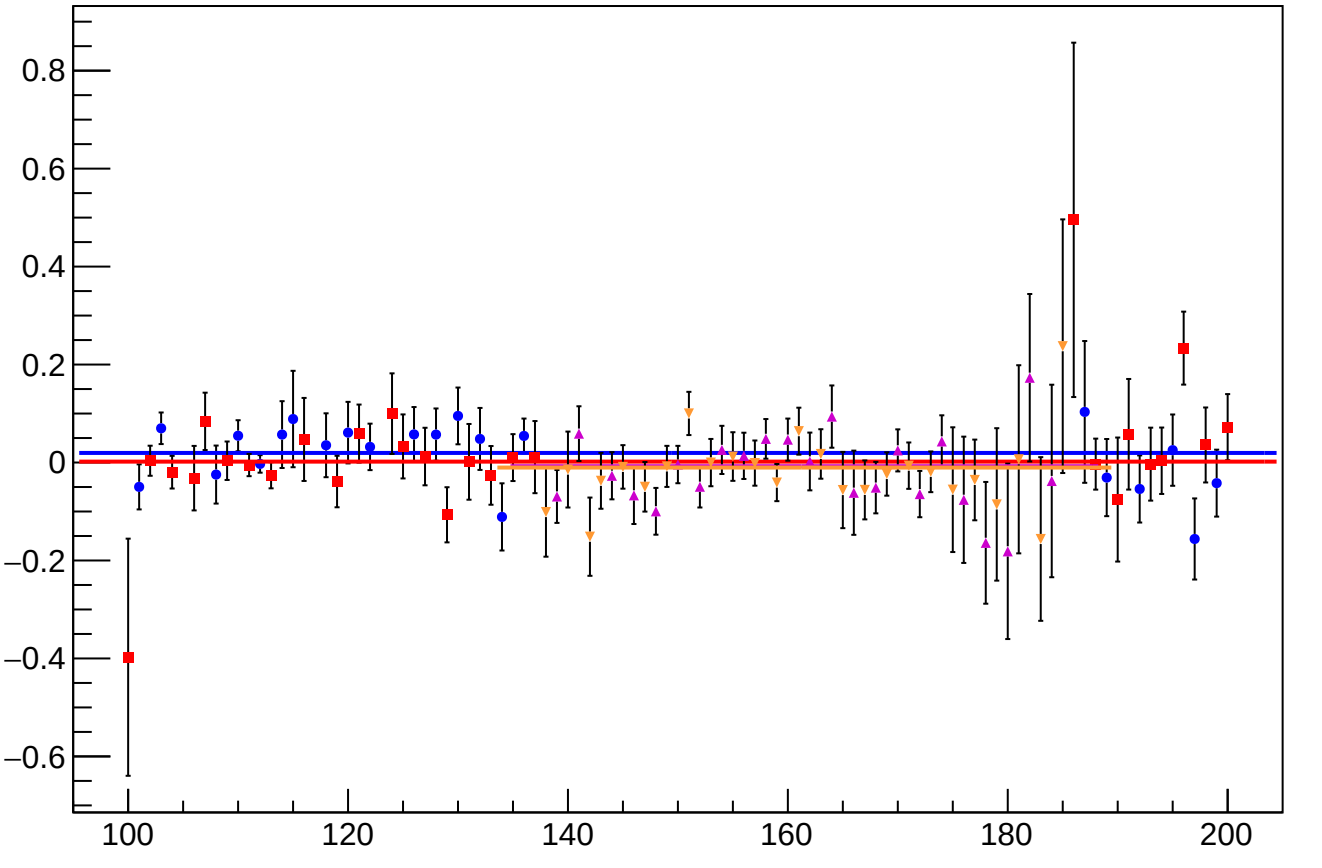
Right Out: 0.000+/-0.000 χ^2/NDF: 4083263.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5876614.6/46

All: 0.000+/-0.000 χ^2/NDF: 12852702.8/97

- sign 0.000+/-0.000 χ^2/NDF: 6921659.0/50



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.010 χ^2/NDF: 27.5/27

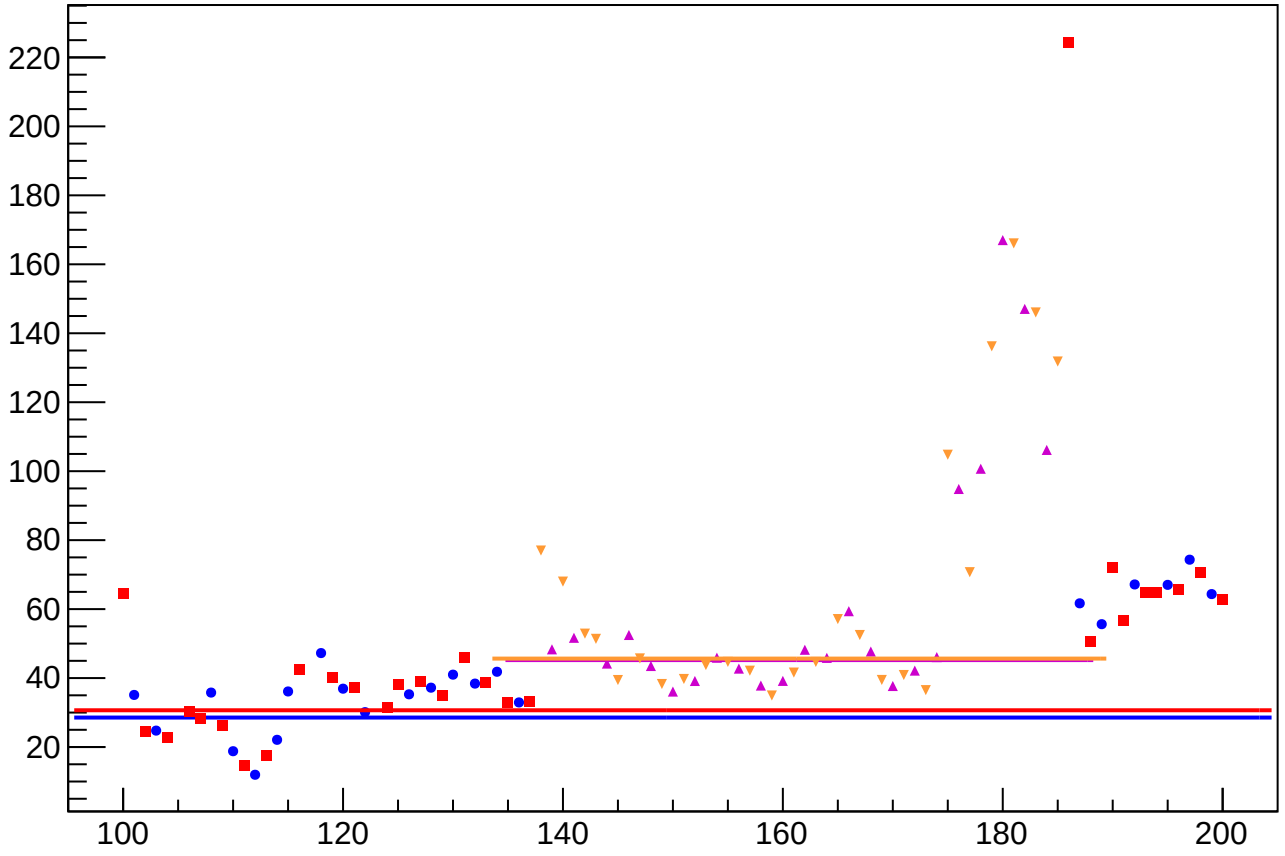
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 98.0/97

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

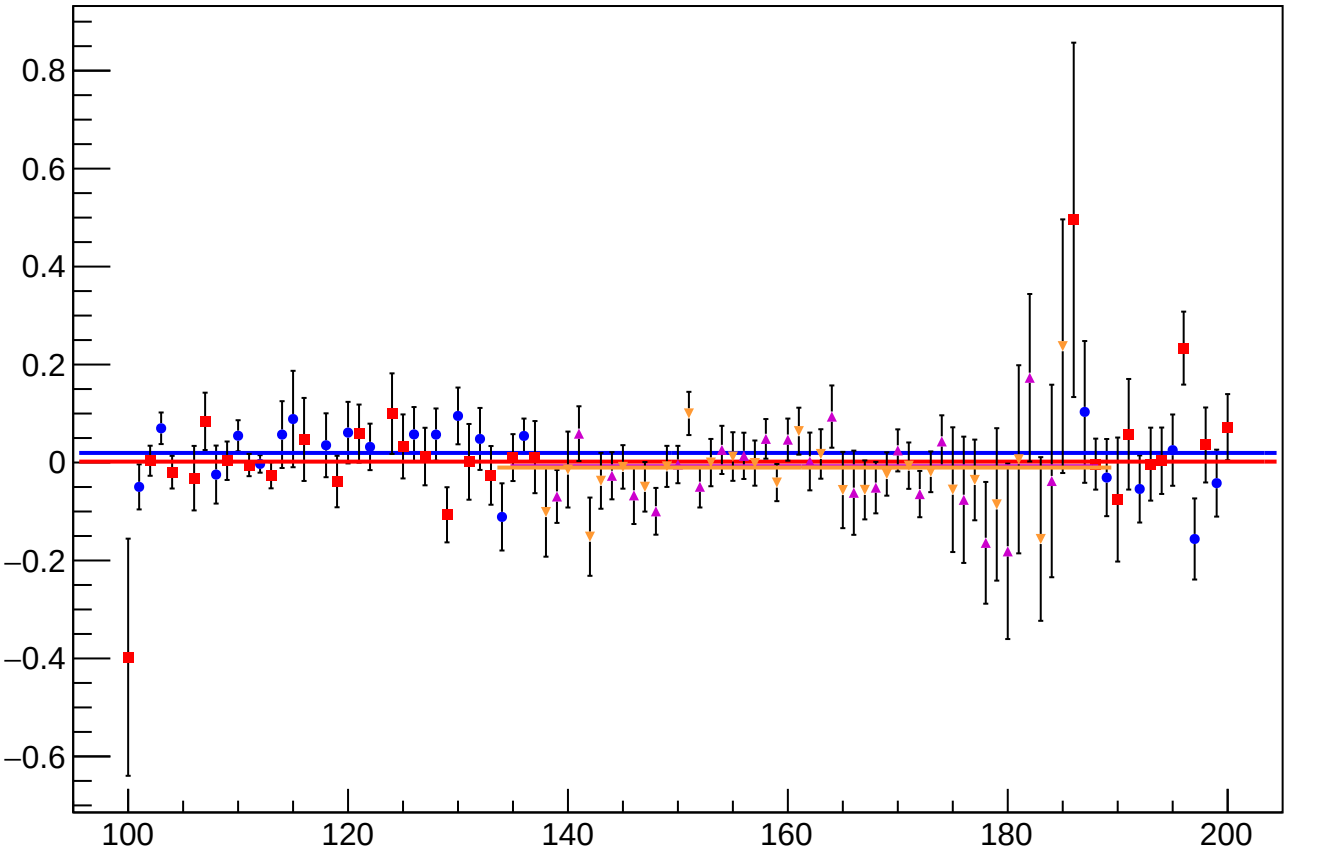
Right Out: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.958+/-0.005 χ^2/NDF: 11888776.4/46

All: 36.333+/-0.004 χ^2/NDF: 22442434.5/97

- sign 36.701+/-0.005 χ^2/NDF: 10543525.7/50



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

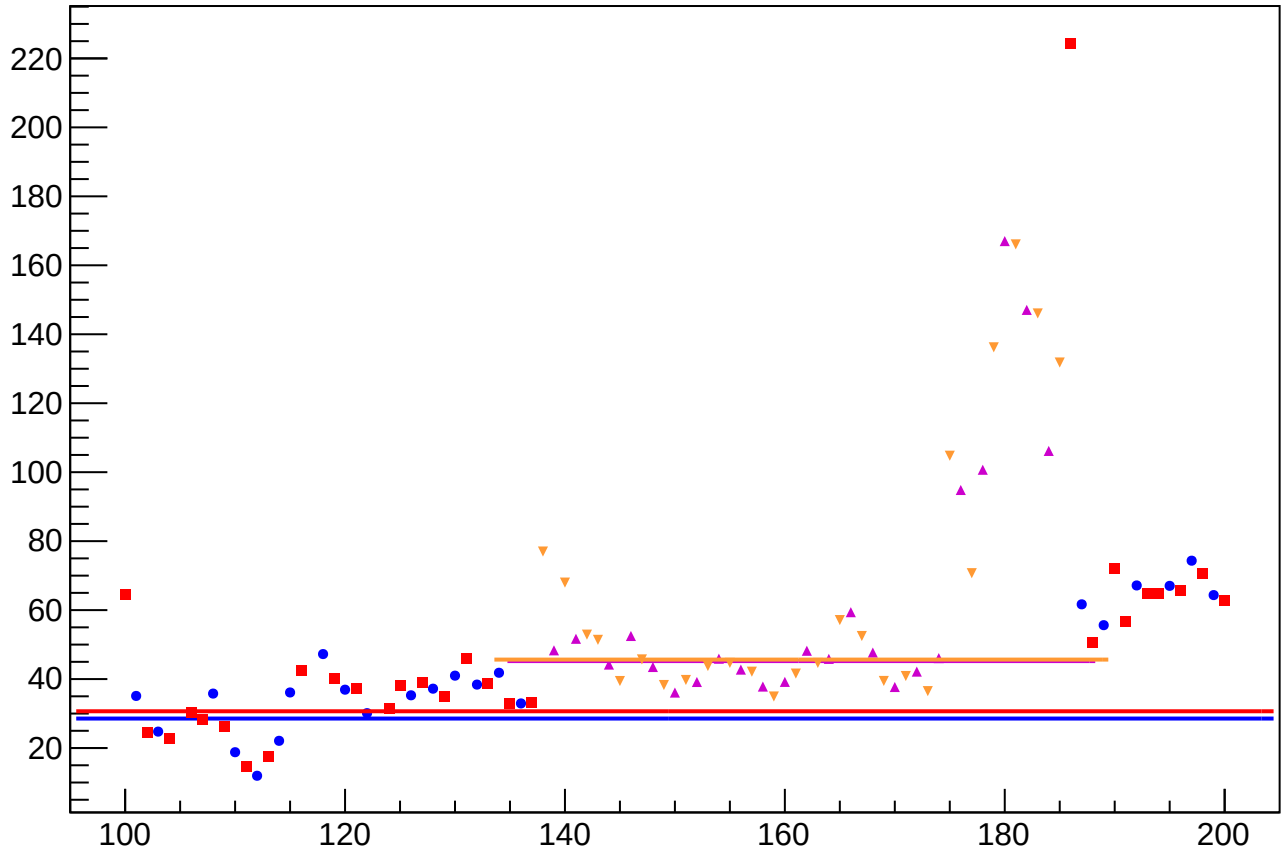
Right Out: 0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 98.0/97

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

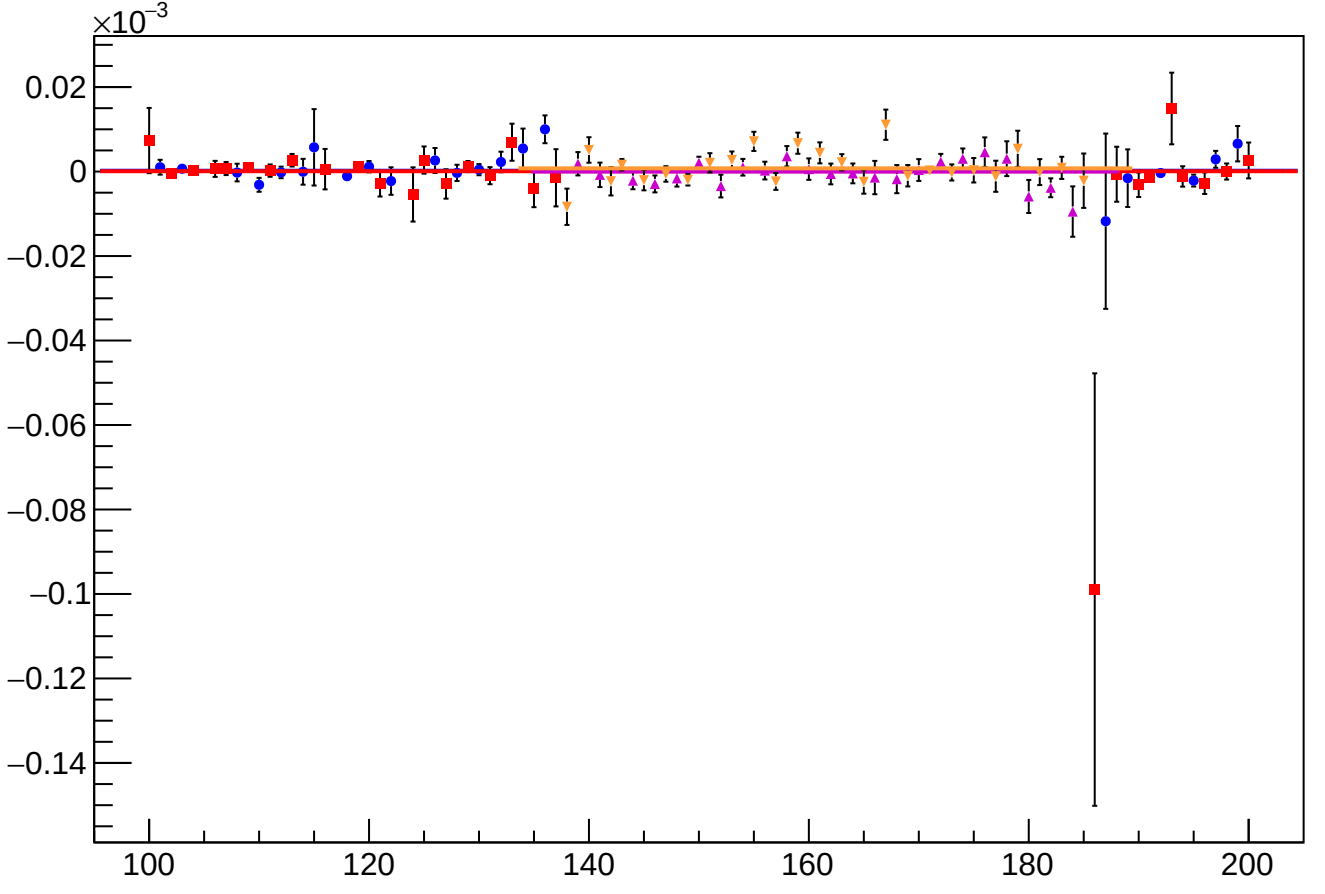
Right Out: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.958+/-0.005 χ^2/NDF: 11888776.4/46

All: 36.333+/-0.004 χ^2/NDF: 22442434.5/97

- sign 36.701+/-0.005 χ^2/NDF: 10543525.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

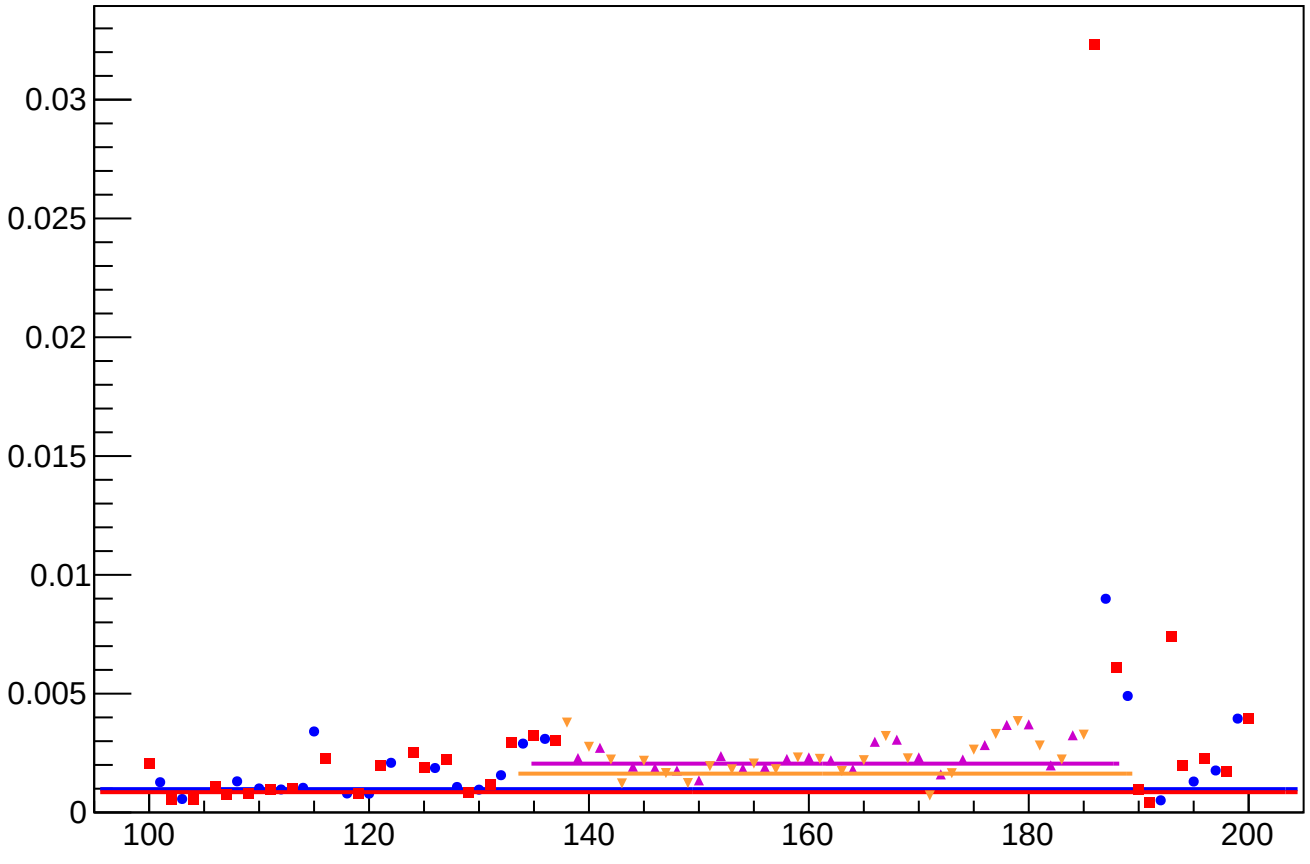
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/27

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/46

All: 0.000+/-0.000 χ^2/NDF: 126.6/97

- sign 0.000+/-0.000 χ^2/NDF: 51.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 5432049.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

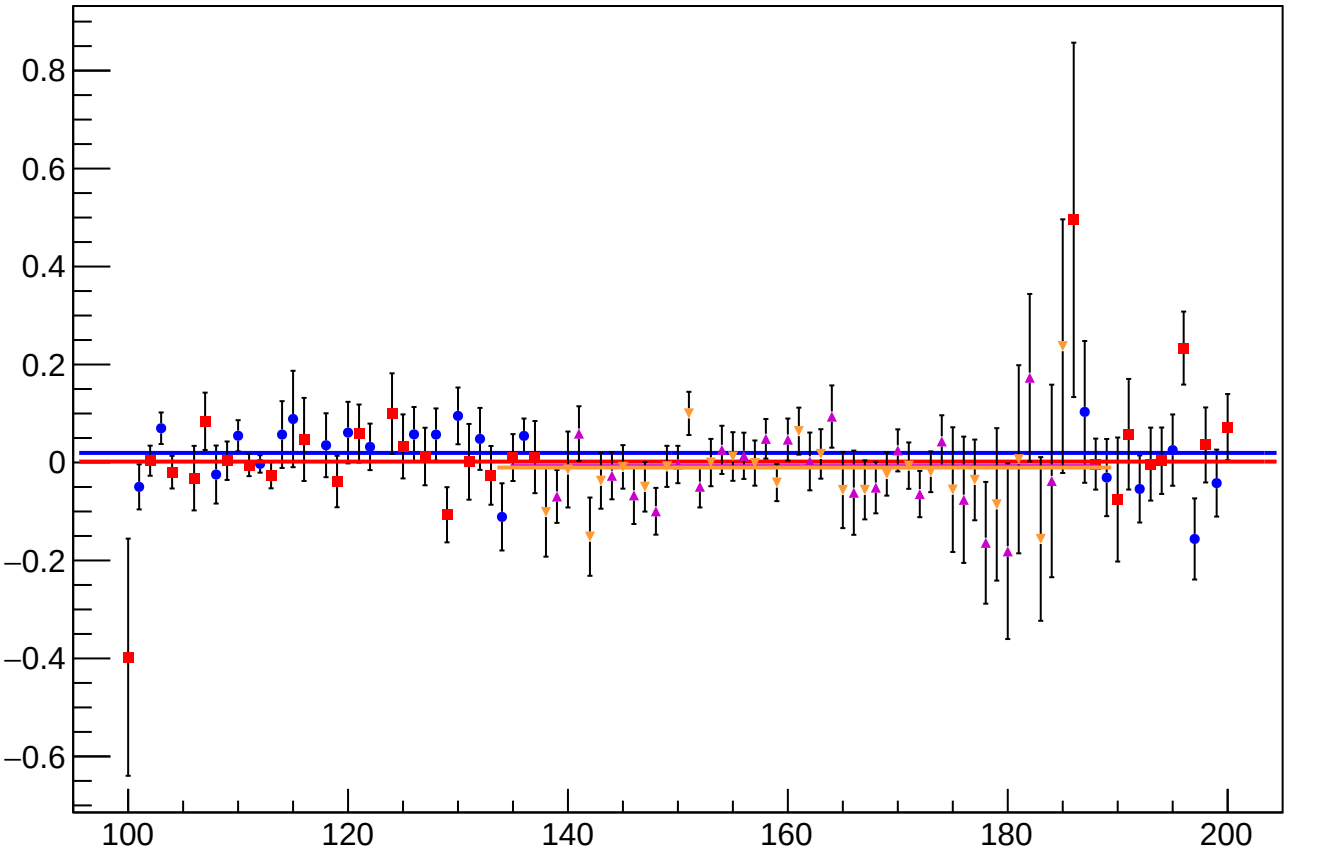
Right Out: 0.001+/-0.000 χ^2/NDF: 9714677.6/27

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 14801717.3/46

All: 0.001+/-0.000 χ^2/NDF: 35152835.0/97

- sign 0.001+/-0.000 χ^2/NDF: 20240911.9/50



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

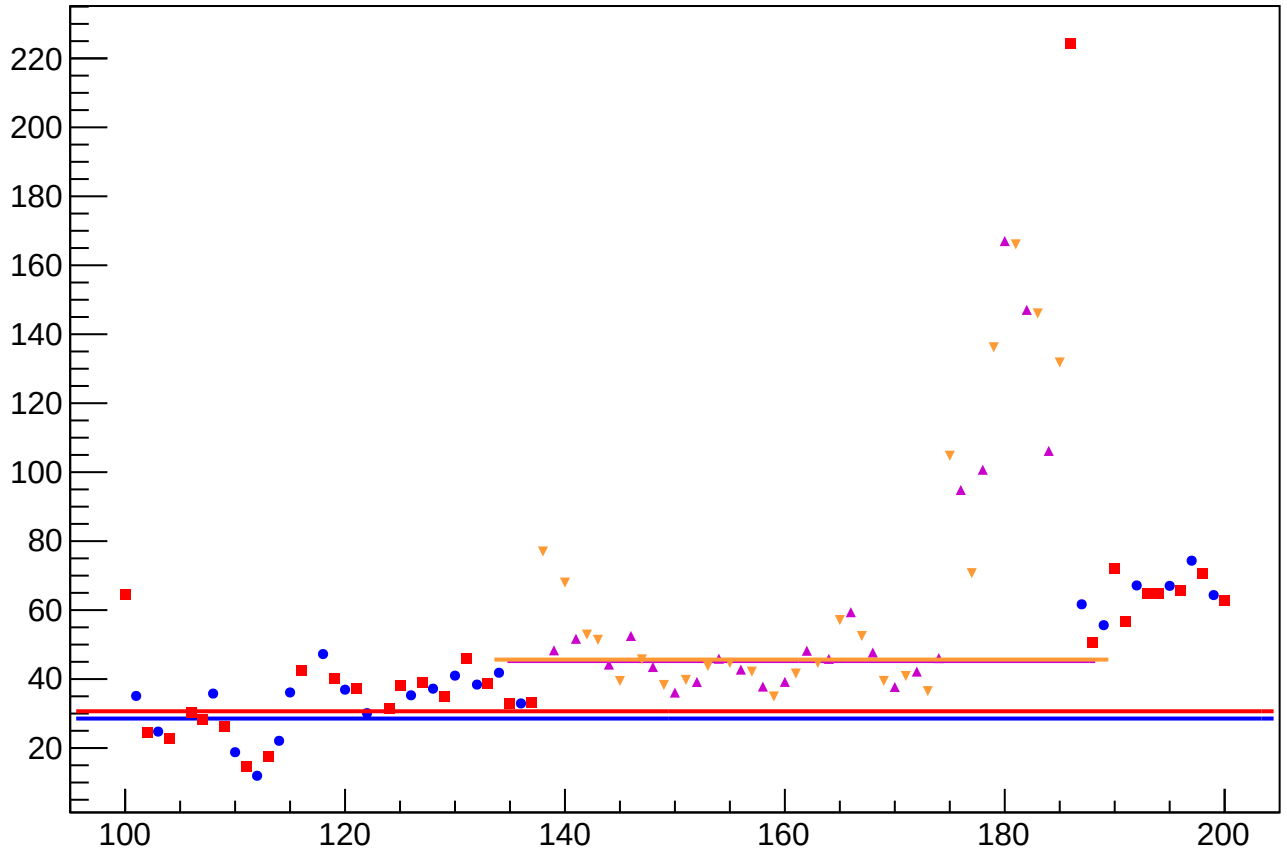
Right Out: 0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 98.0/97

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

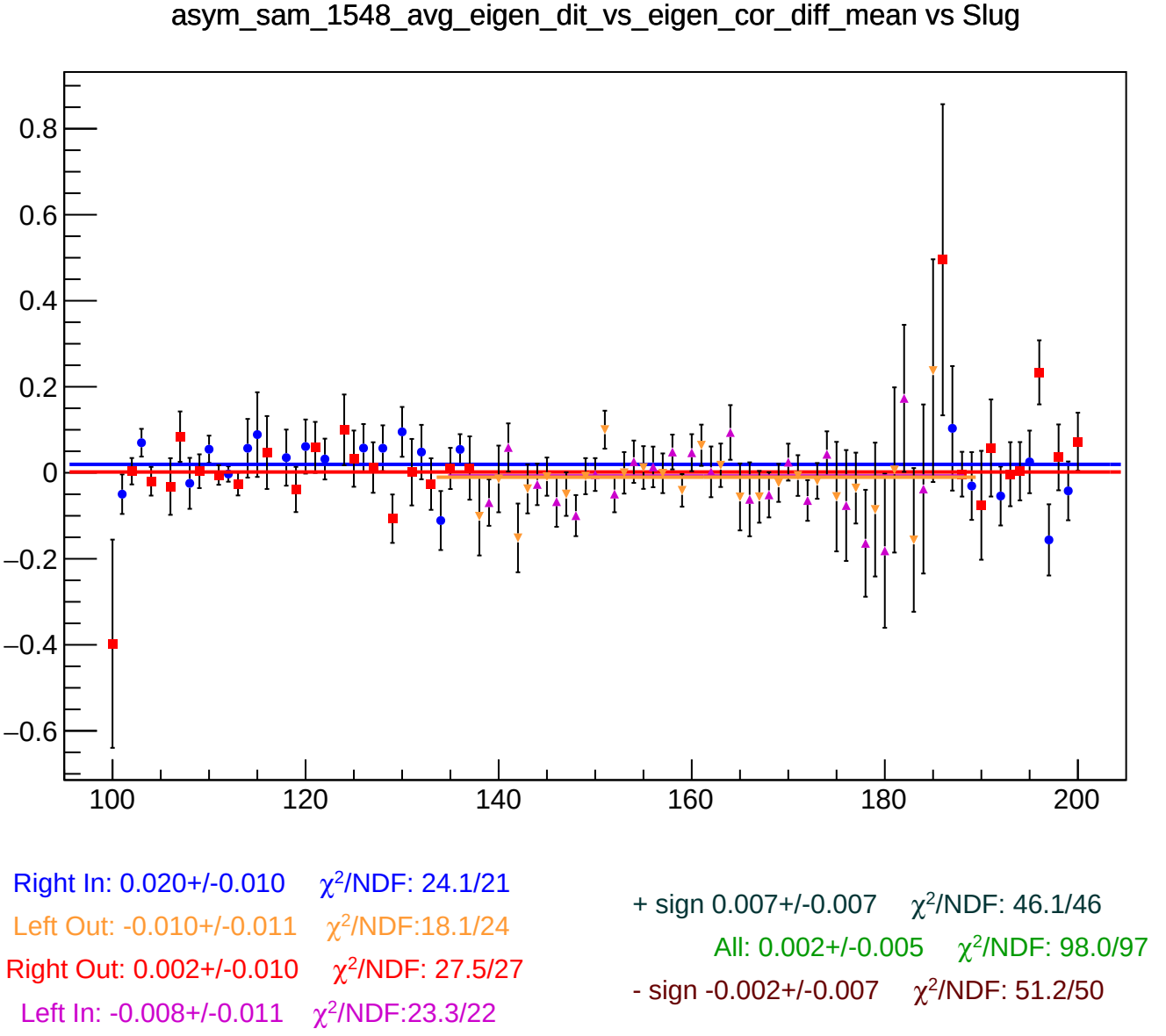
Right Out: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

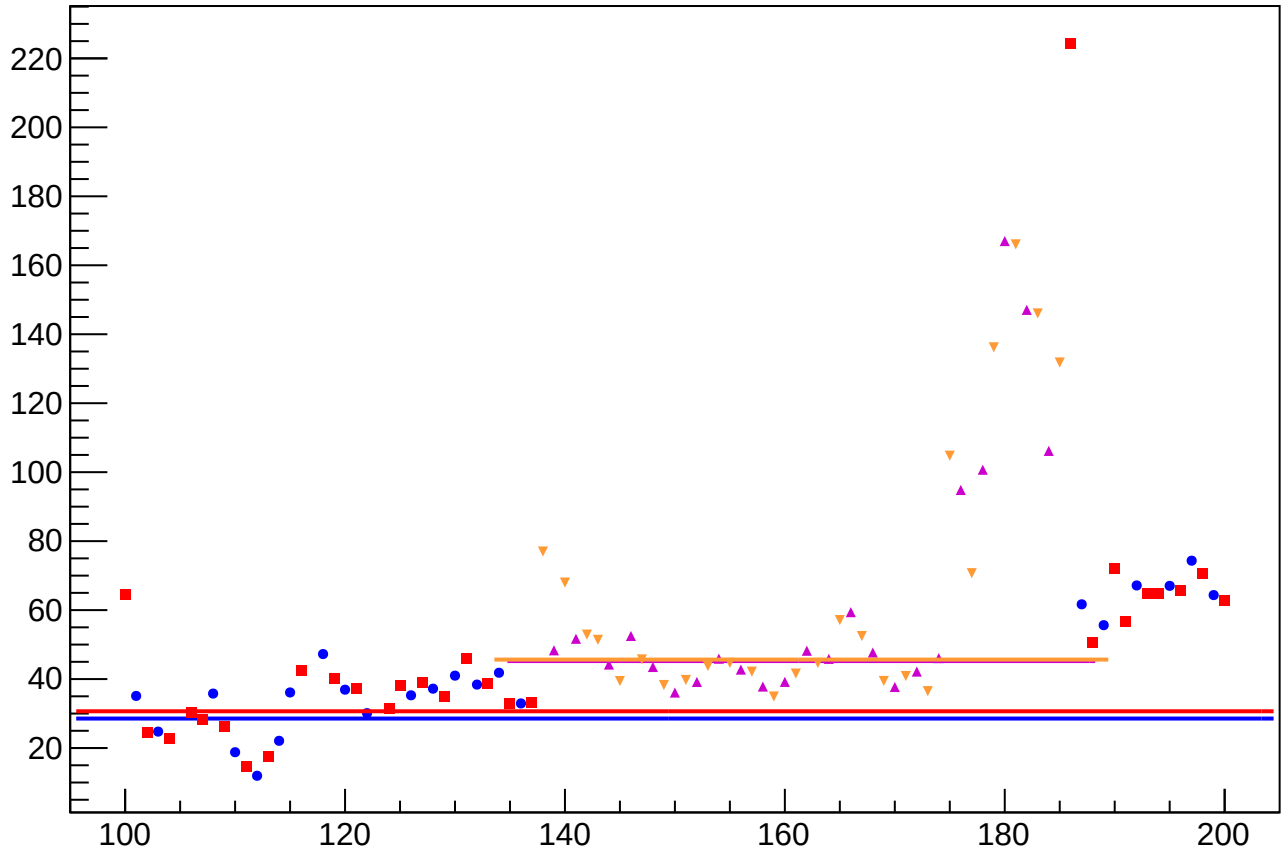
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.957+/-0.005 χ^2/NDF: 11889239.9/46

All: 36.333+/-0.004 χ^2/NDF: 22443259.0/97

- sign 36.701+/-0.005 χ^2/NDF: 10543882.4/50


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.020+/-0.010 χ²/NDF: 24.1/21
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.002+/-0.010 χ²/NDF: 27.5/27
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.007+/-0.007 χ²/NDF: 46.1/46
All: 0.002+/-0.005 χ²/NDF: 98.0/97
- sign -0.002+/-0.007 χ²/NDF: 51.2/50



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

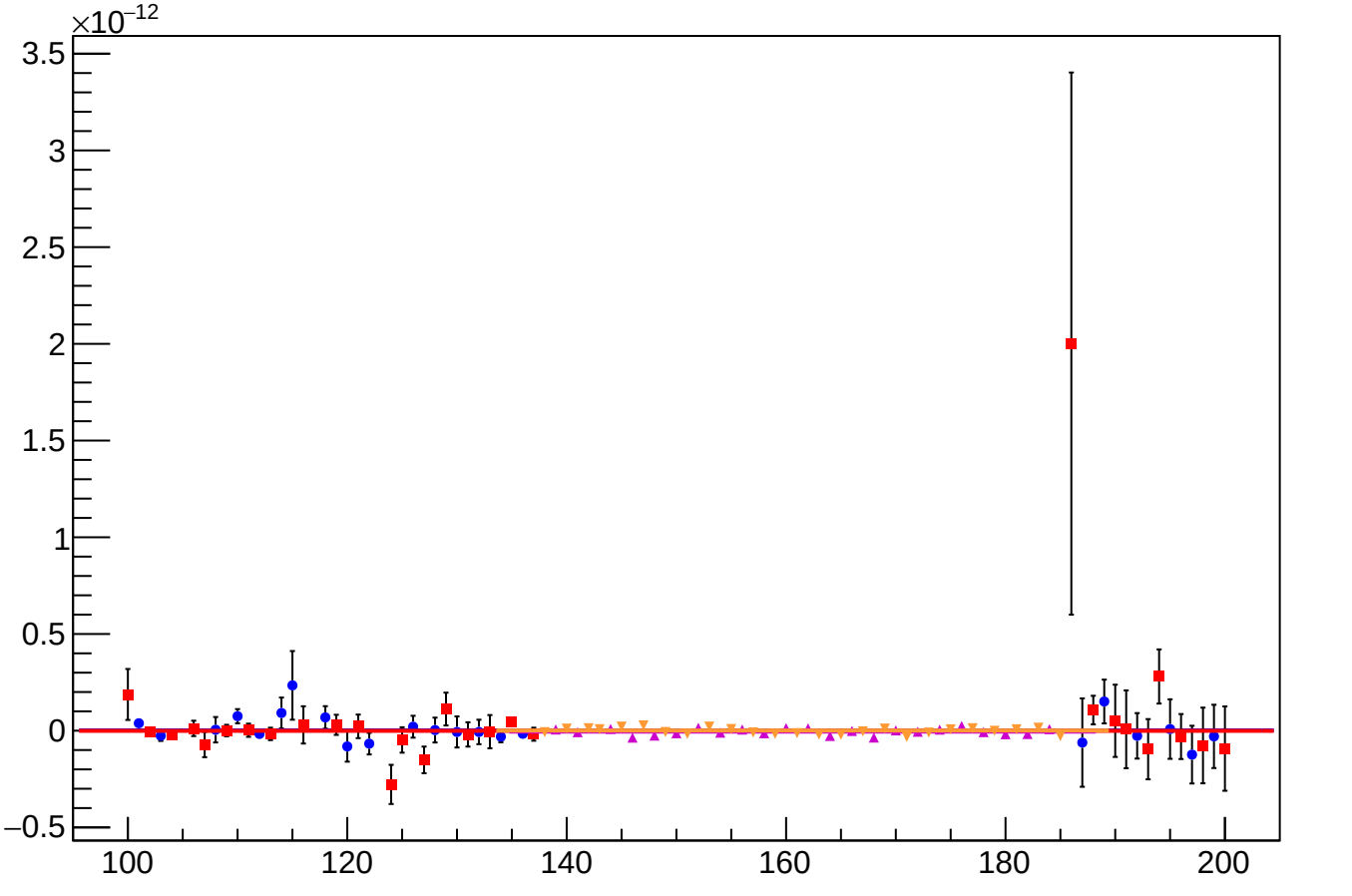
Right Out: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.957+/-0.005 χ^2/NDF: 11889239.9/46

All: 36.333+/-0.004 χ^2/NDF: 22443259.0/97

- sign 36.701+/-0.005 χ^2/NDF: 10543882.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

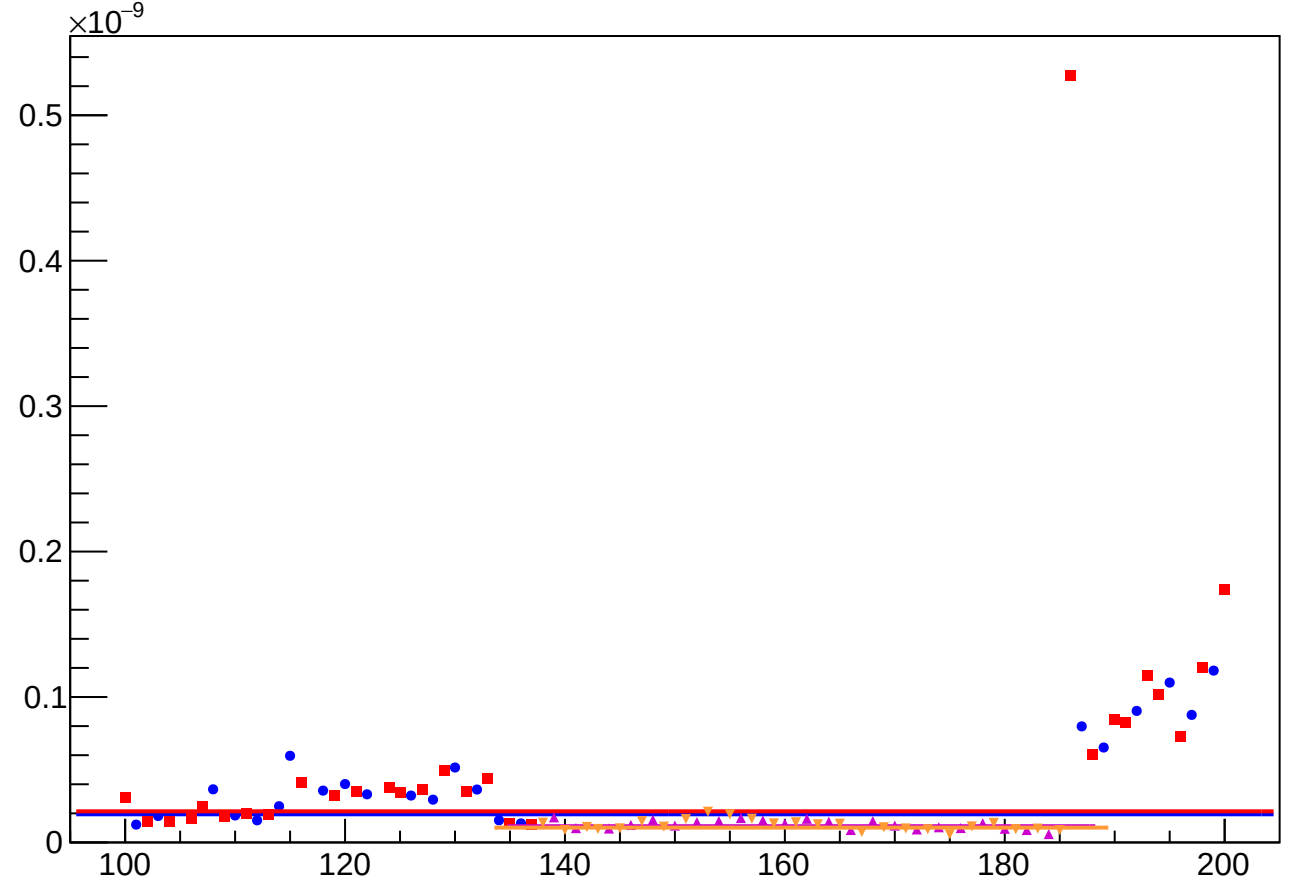
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/27

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/46

All: -0.000+/-0.000 χ^2/NDF: 104.8/97

- sign -0.000+/-0.000 χ^2/NDF: 56.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 4974908.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6247278.1/27

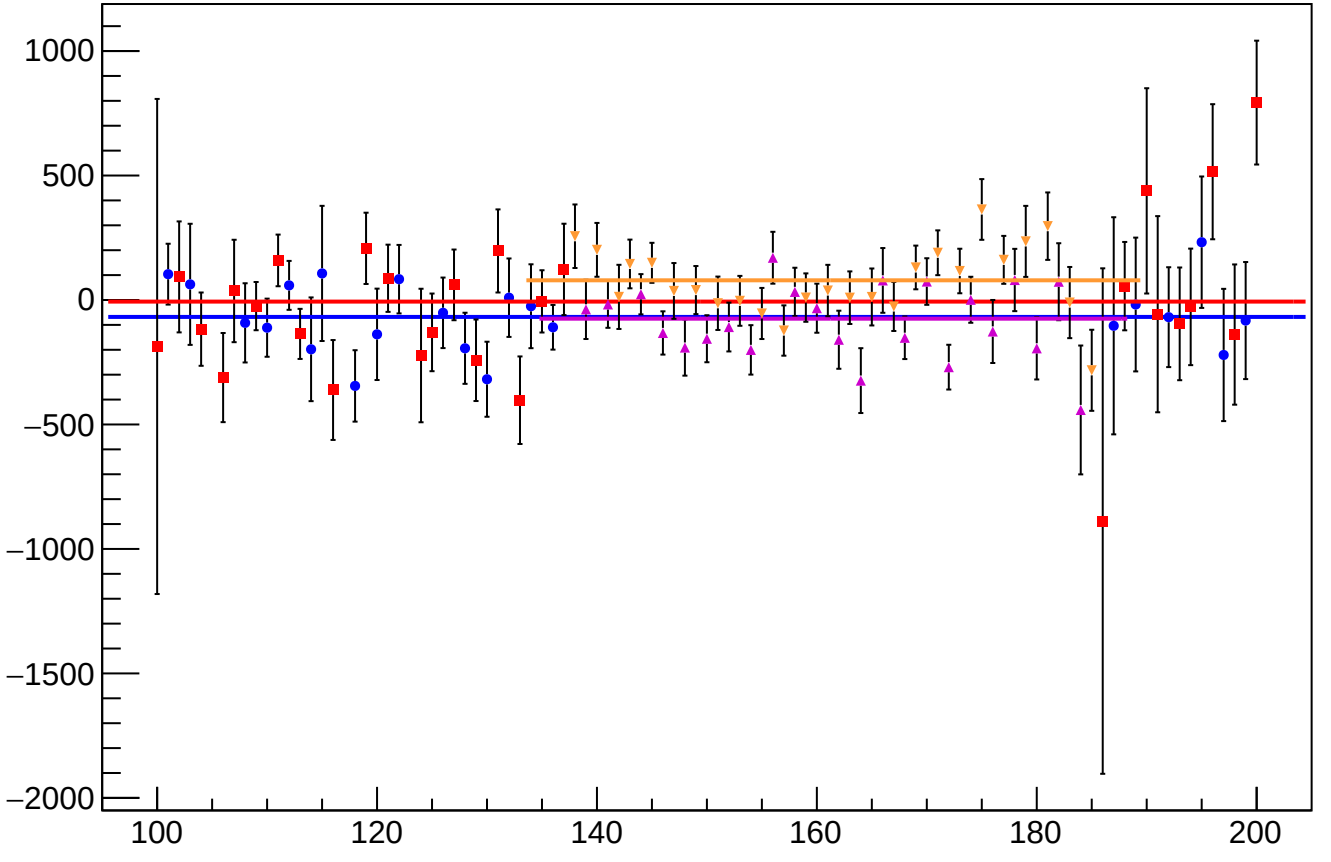
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9272780.8/46

All: 0.000+/-0.000 χ^2/NDF: 19534679.1/97

- sign 0.000+/-0.000 χ^2/NDF: 10100894.8/50

reg_asym_sam_3748_avg_mean vs Slug



Right In: -67.986+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -6.415+/-31.977 χ^2/NDF: 40.9/27

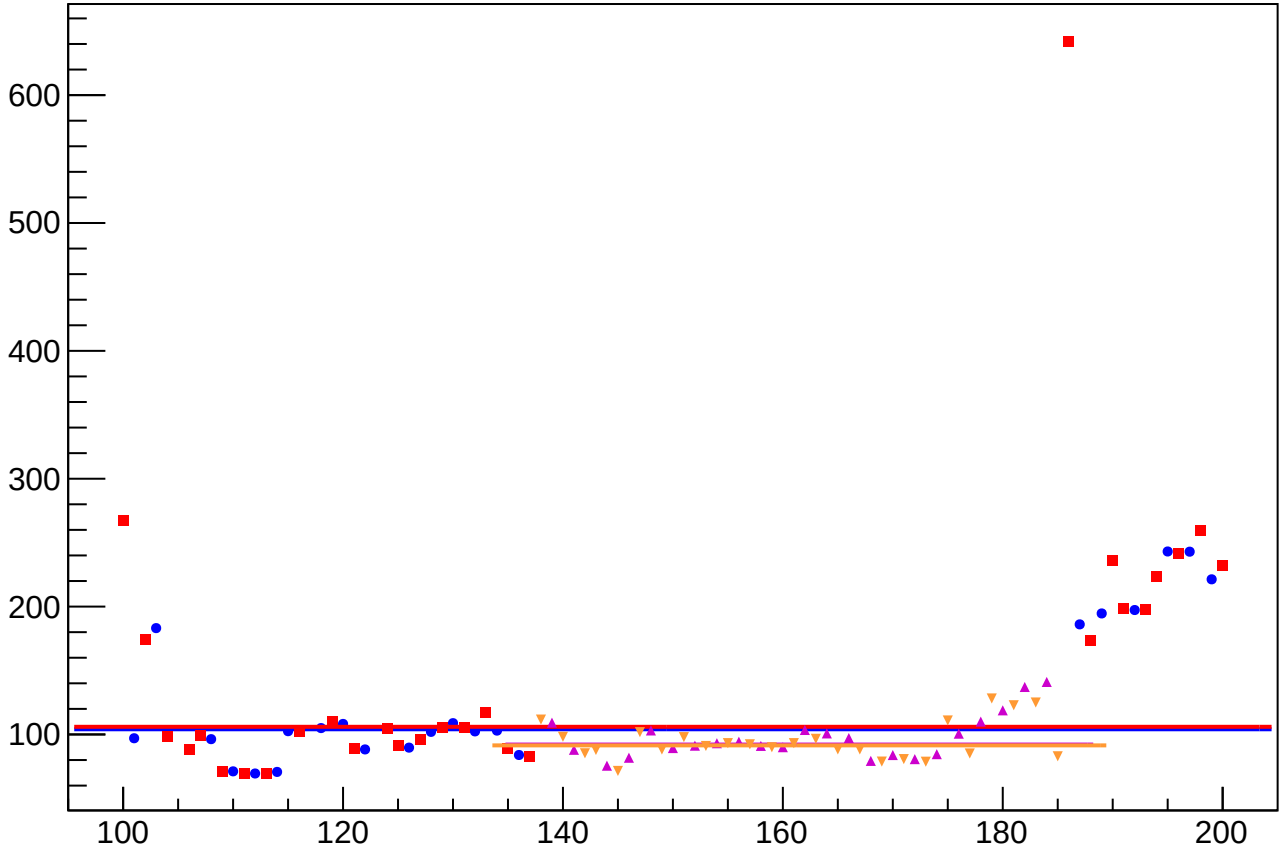
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 36.974+/-17.826 χ^2/NDF: 61.6/46

All: -7.602+/-12.678 χ^2/NDF: 151.0/97

- sign -53.220+/-18.033 χ^2/NDF: 76.7/50

reg_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161799.1/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

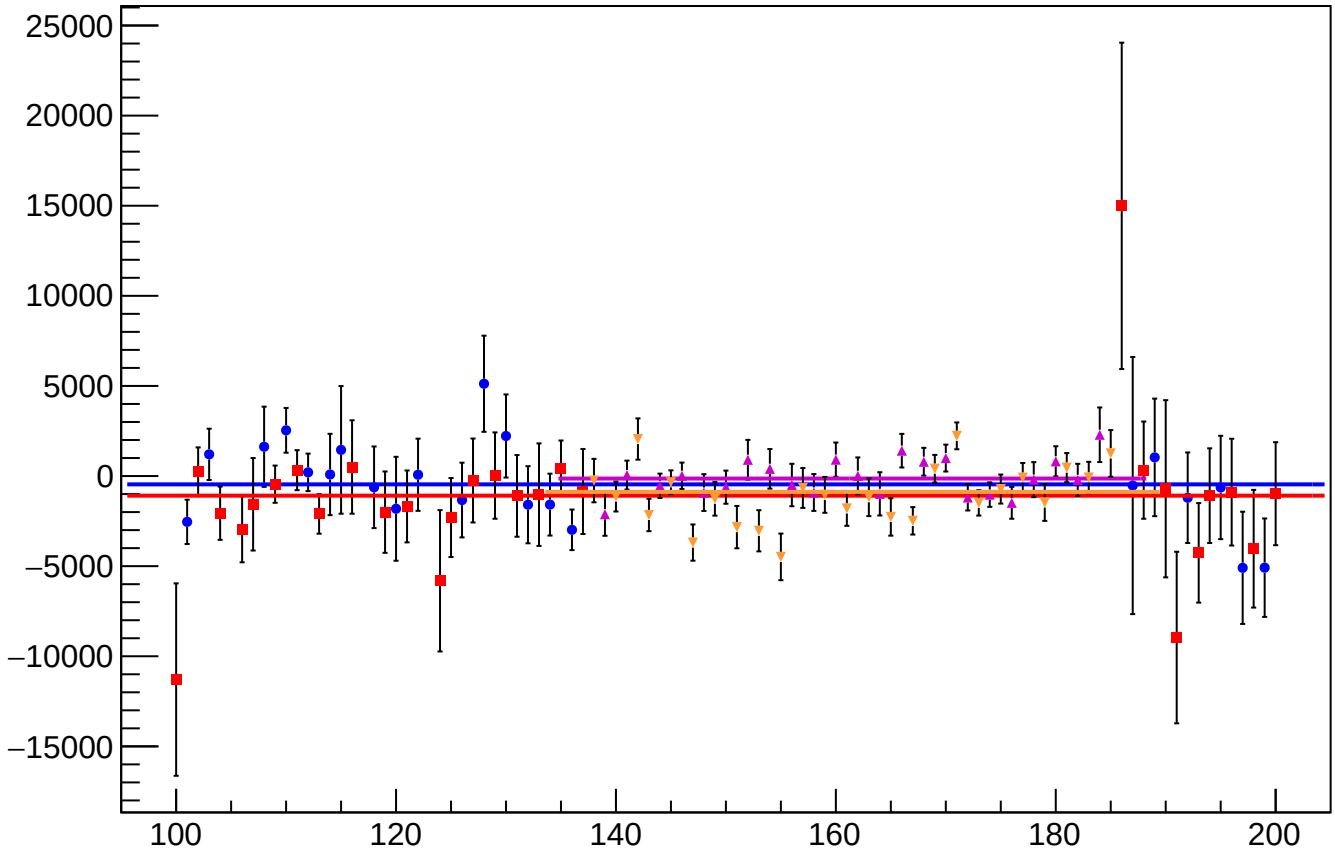
Right Out: 105.986+/-0.023 χ^2/NDF: 4780291.7/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4116999.1/46

All: 95.784+/-0.009 χ^2/NDF: 9860612.3/97

- sign 96.517+/-0.013 χ^2/NDF: 5737087.0/50



Right In: -461.502+/-398.056 χ^2/NDF: 29.0/21

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1088.662+/-376.206 χ^2/NDF: 21.0/27

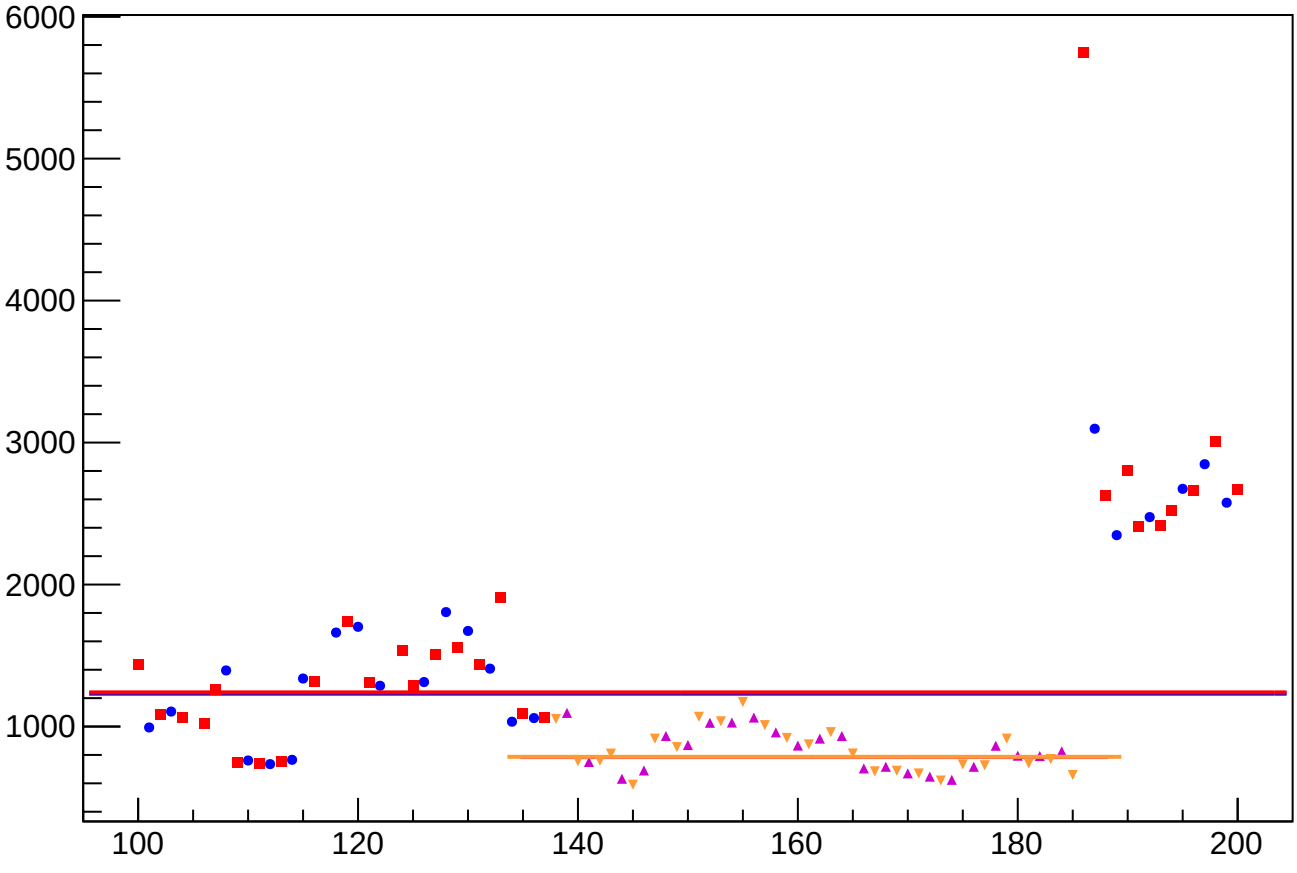
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -806.245+/-165.661 χ^2/NDF: 97.7/46

All: -568.389+/-117.662 χ^2/NDF: 152.2/97

- sign -326.244+/-167.147 χ^2/NDF: 50.3/50

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1231.612+/-0.281 χ^2/NDF: 3705252.6/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1240.552+/-0.266 χ^2/NDF: 5395899.5/27

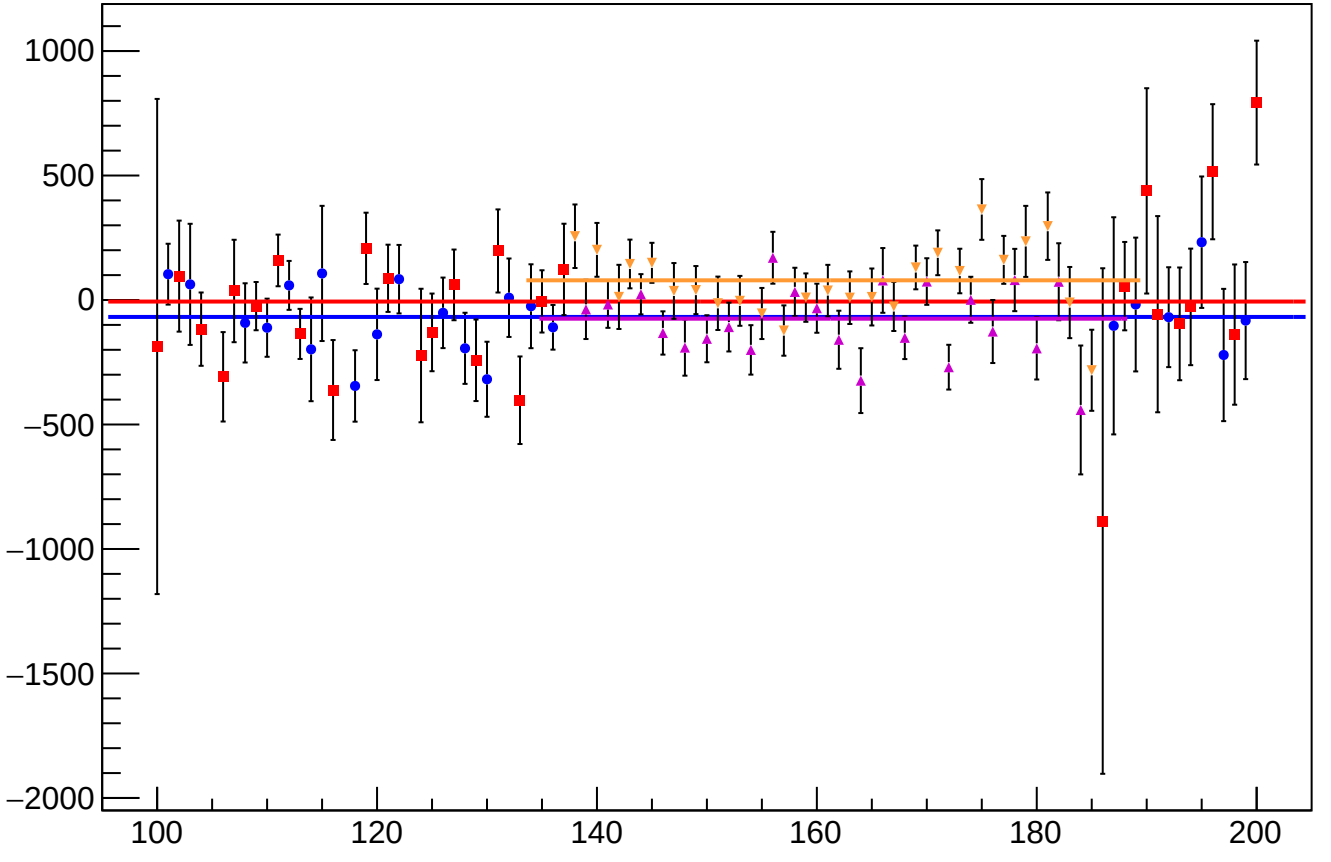
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 863.807+/-0.117 χ^2/NDF: 6981410.5/46

All: 869.251+/-0.083 χ^2/NDF: 15800852.6/97

- sign 874.792+/-0.118 χ^2/NDF: 8815084.6/50

cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -6.191+/-31.980 χ^2/NDF: 40.9/27

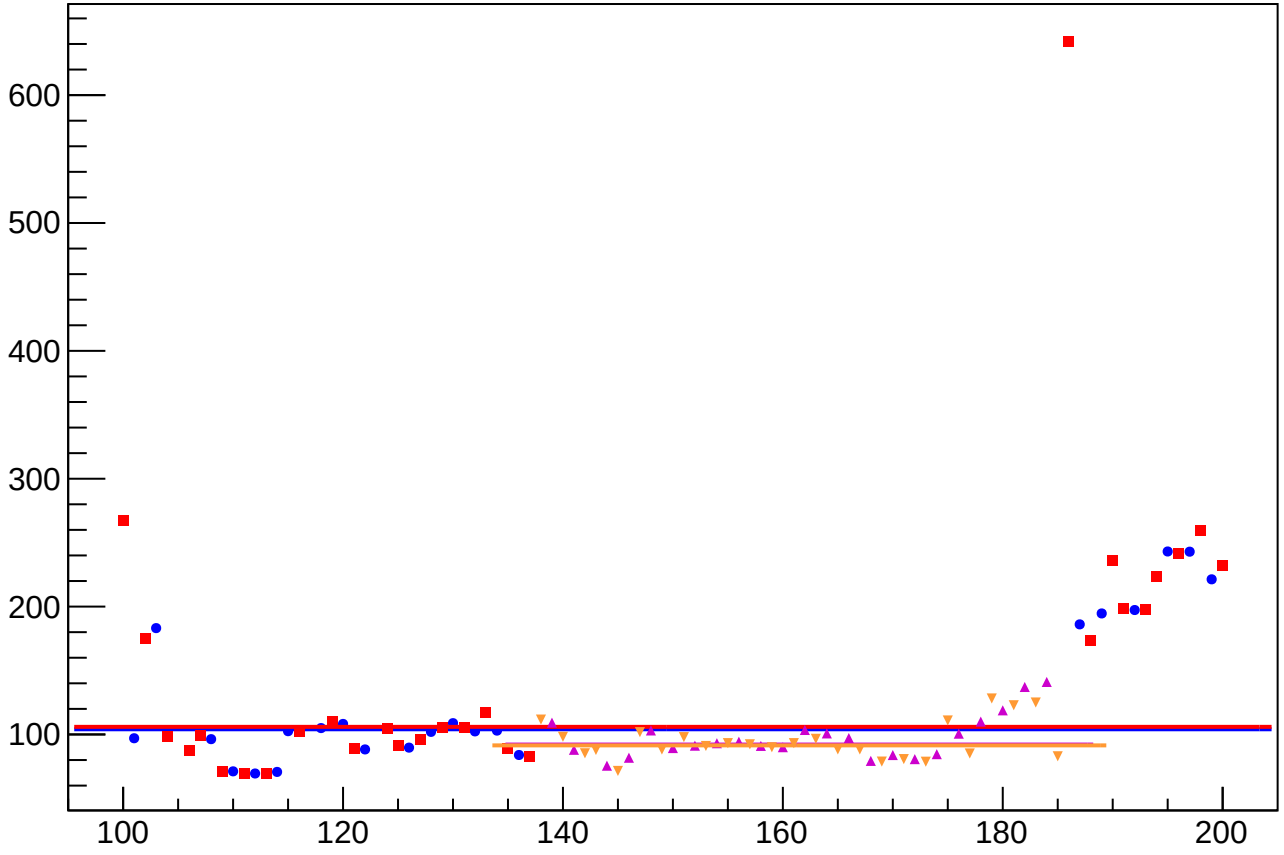
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 36.978+/-17.826 χ^2/NDF: 61.6/46

All: -7.566+/-12.678 χ^2/NDF: 150.9/97

- sign -53.153+/-18.034 χ^2/NDF: 76.7/50

cor_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

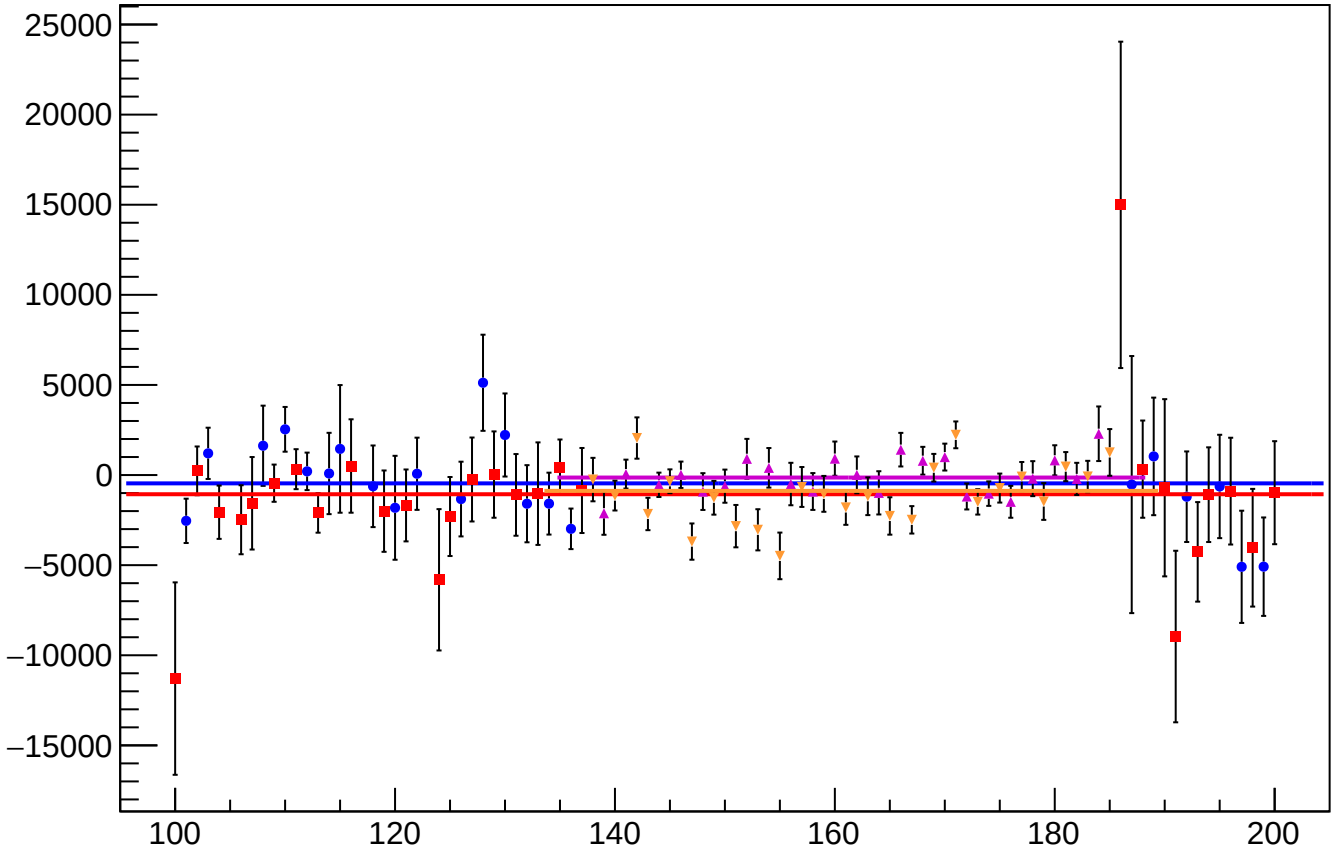
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4117002.2/46

All: 95.778+/-0.009 χ^2/NDF: 9862108.3/97

- sign 96.504+/-0.013 χ^2/NDF: 5738694.1/50

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -461.524+/-398.059 χ^2/NDF: 29.0/21

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1064.628+/-376.874 χ^2/NDF: 20.5/27

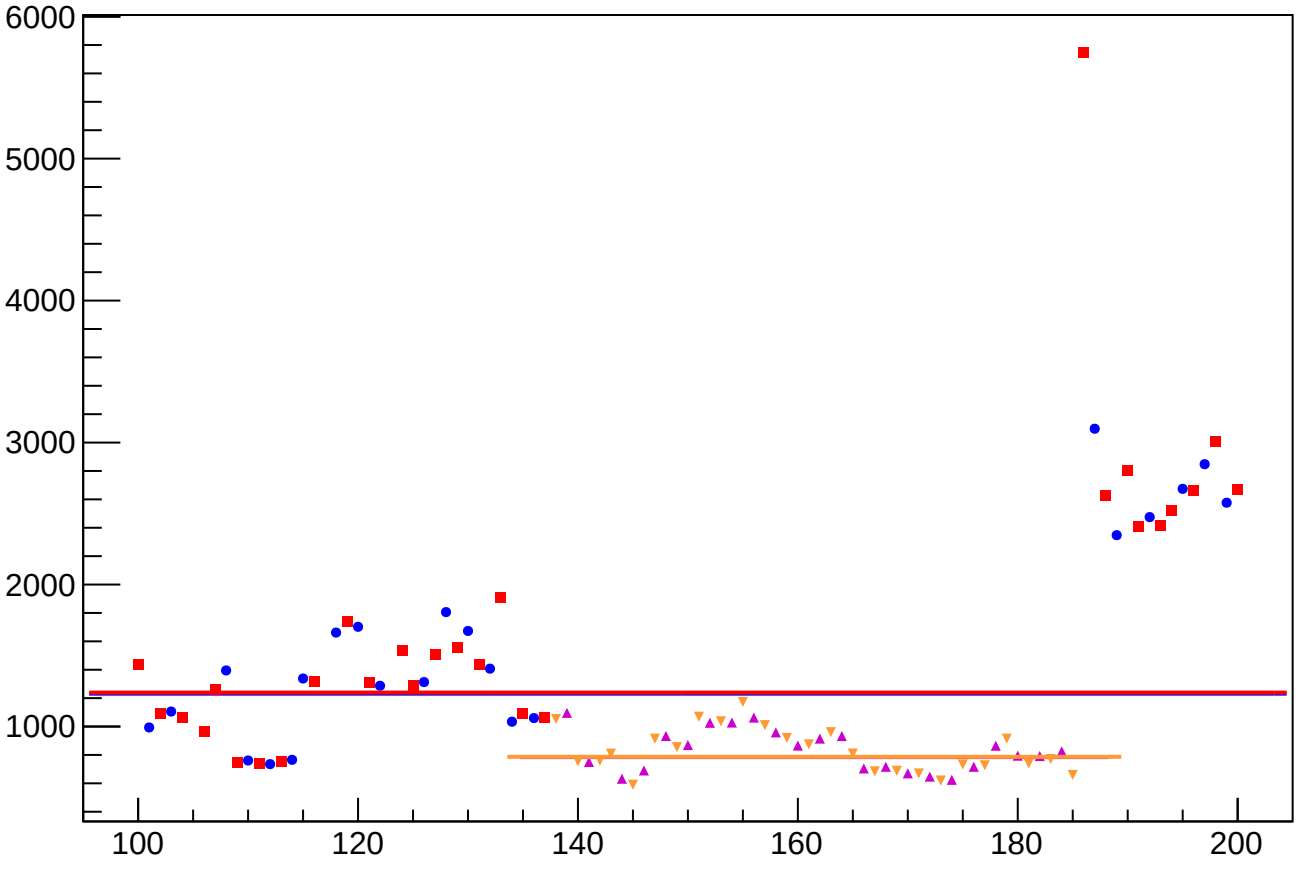
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -806.242+/-165.661 χ^2/NDF: 97.7/46

All: -565.864+/-117.682 χ^2/NDF: 151.5/97

- sign -320.982+/-167.206 χ^2/NDF: 49.6/50

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

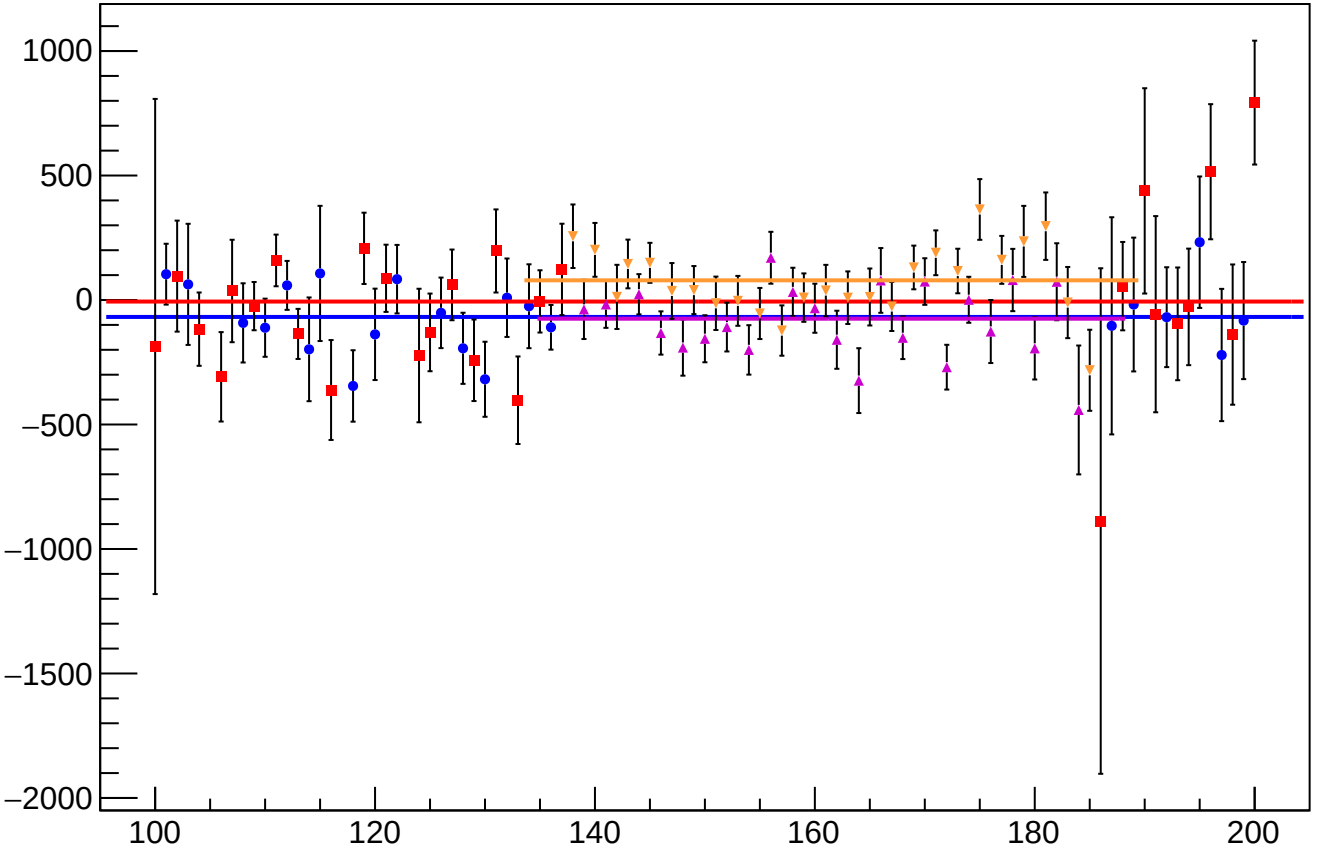
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 863.808+/-0.117 χ^2/NDF: 6981451.8/46

All: 868.987+/-0.083 χ^2/NDF: 15792179.0/97

\- sign 874.264+/-0.118 χ^2/NDF: 8806780.3/50

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -6.191+/-31.980 χ^2/NDF: 40.9/27

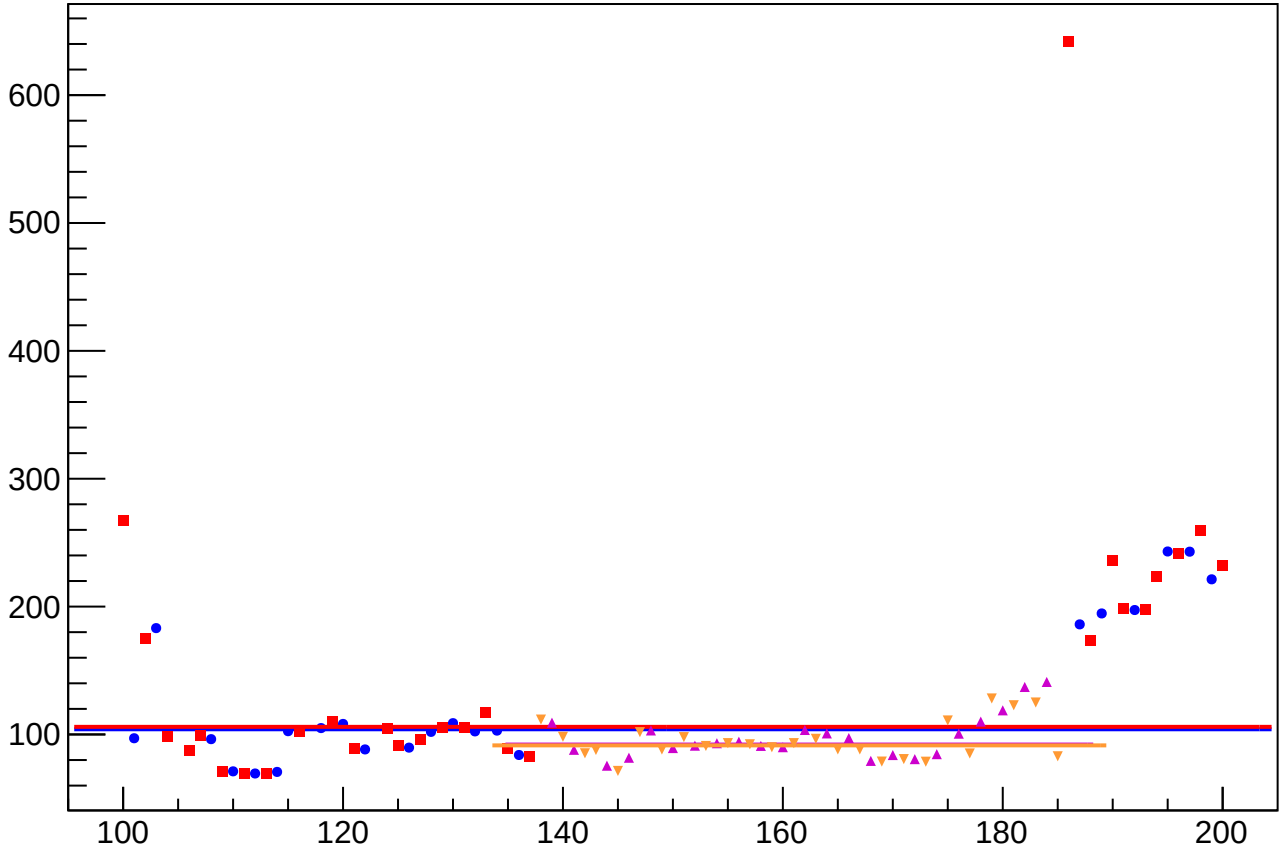
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 36.978+/-17.826 χ^2/NDF: 61.6/46

All: -7.566+/-12.678 χ^2/NDF: 150.9/97

- sign -53.153+/-18.034 χ^2/NDF: 76.7/50

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

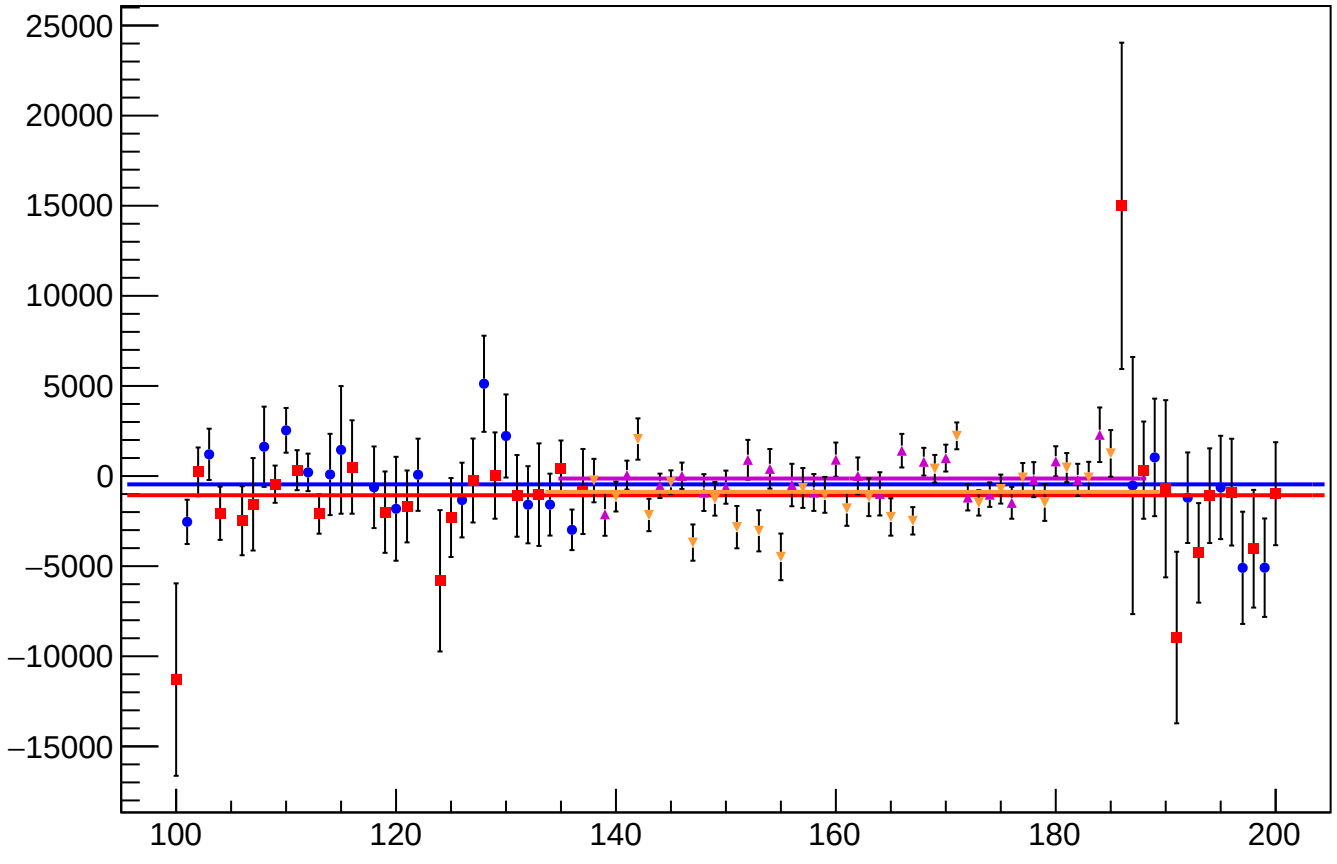
Right Out: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4117002.2/46

All: 95.778+/-0.009 χ^2/NDF: 9862108.3/97

- sign 96.504+/-0.013 χ^2/NDF: 5738694.1/50



Right In: -461.524+/-398.059 χ^2/NDF: 29.0/21

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

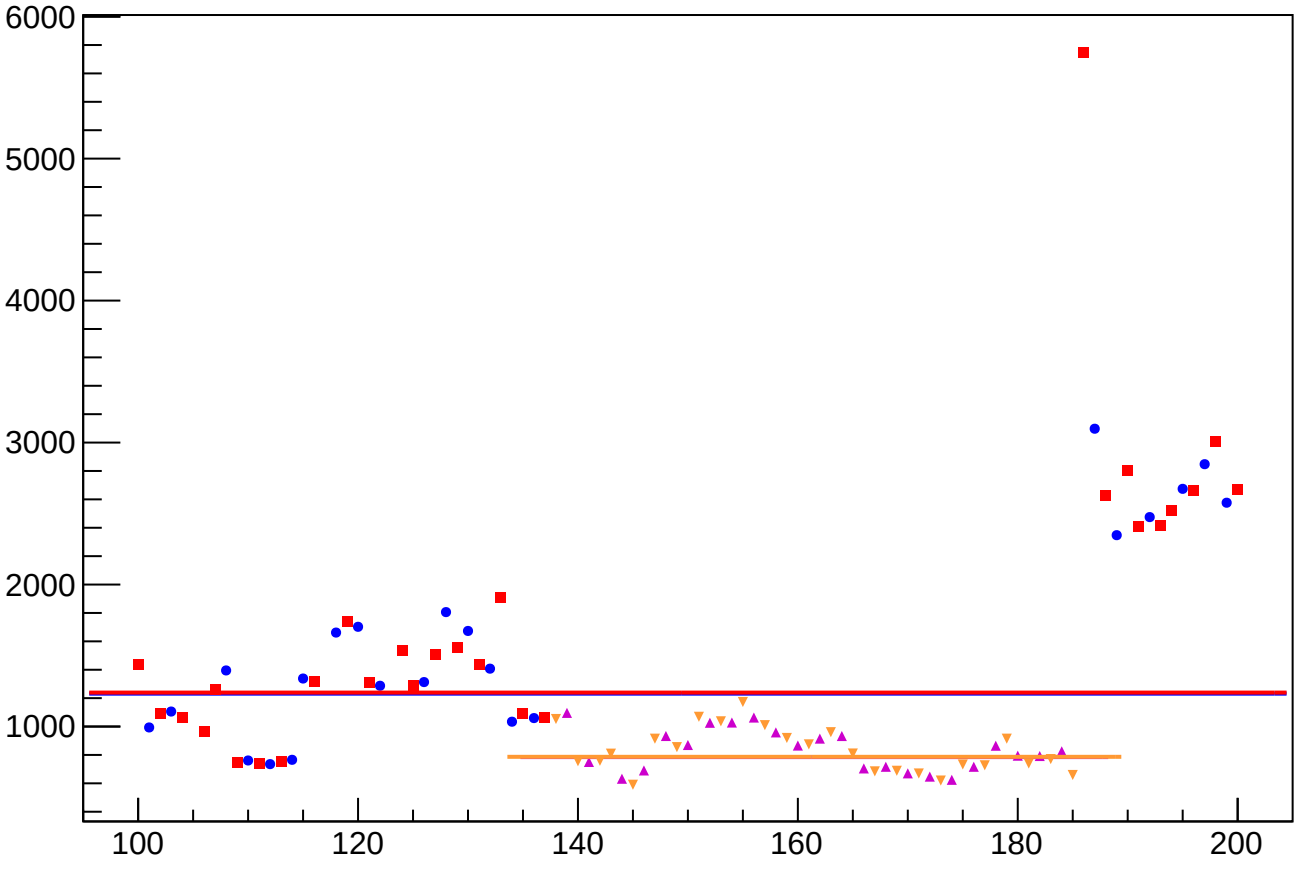
Right Out: -1064.628+/-376.874 χ^2/NDF: 20.5/27

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -806.242+/-165.661 χ^2/NDF: 97.7/46

All: -565.864+/-117.682 χ^2/NDF: 151.5/97

- sign -320.982+/-167.206 χ^2/NDF: 49.6/50



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

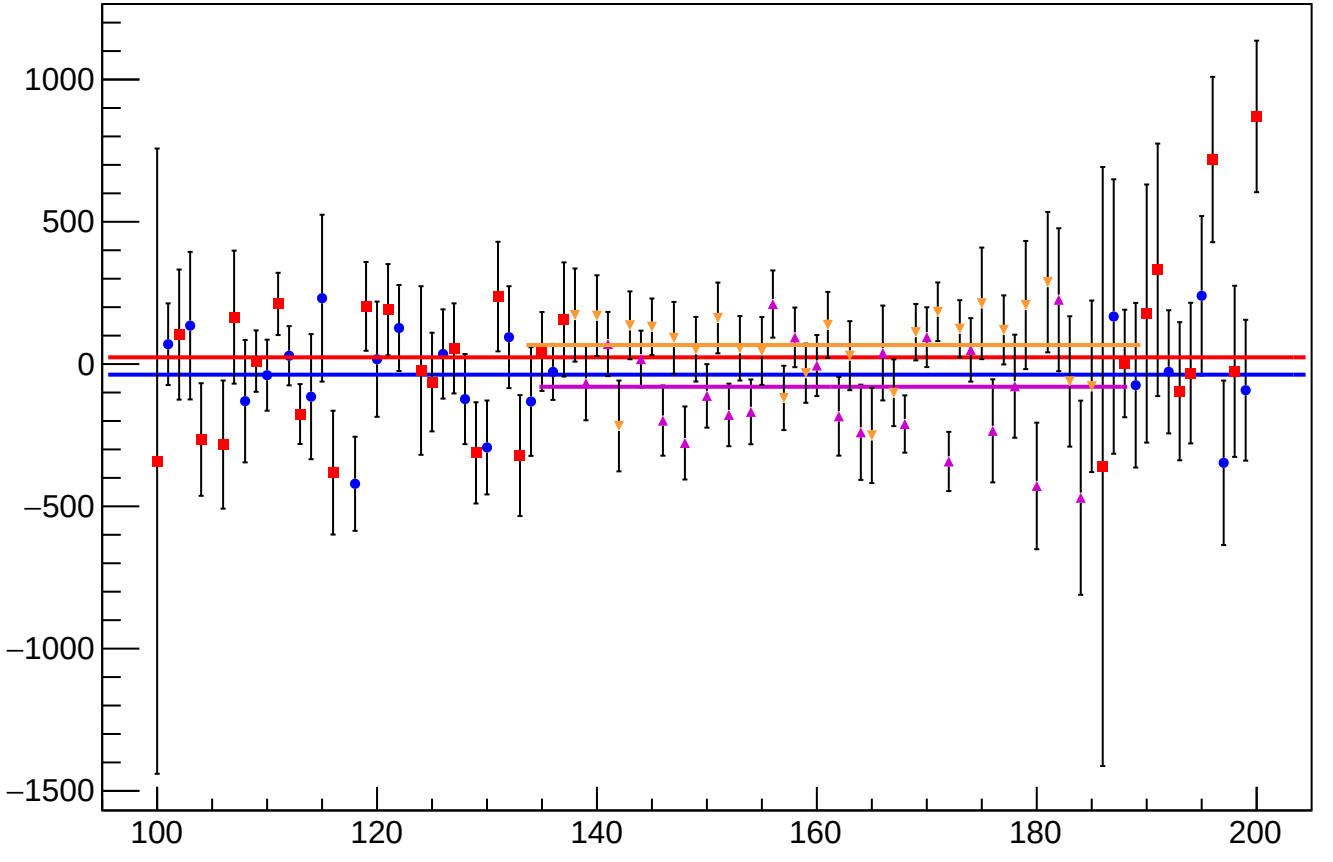
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 863.808+/-0.117 χ^2/NDF: 6981451.8/46

All: 868.987+/-0.083 χ^2/NDF: 15792179.0/97

- sign 874.264+/-0.118 χ^2/NDF: 8806780.3/50

dit_asym_sam_3748_avg_mean vs Slug



Right In: -37.217+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 23.727+/-35.450 χ^2/NDF: 42.1/27

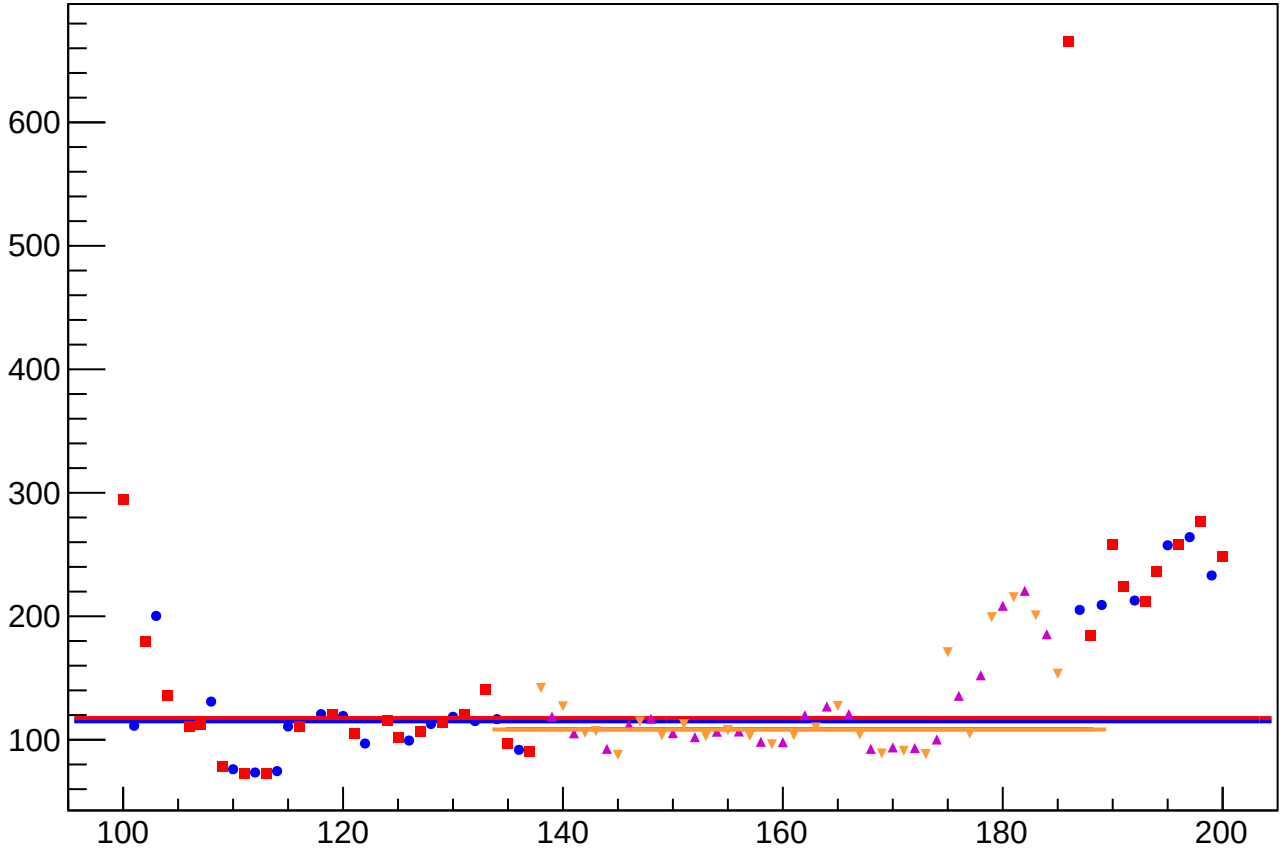
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.034+/-21.015 χ^2/NDF: 40.3/46

All: -4.806+/-14.897 χ^2/NDF: 131.3/97

- sign -43.028+/-21.121 χ^2/NDF: 84.5/50

dit_asym_sam_3748_avg_rms vs Slug



Right In: 114.920+/-0.026 χ^2/NDF: 3167661.1/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 117.591+/-0.025 χ^2/NDF: 4695560.7/27

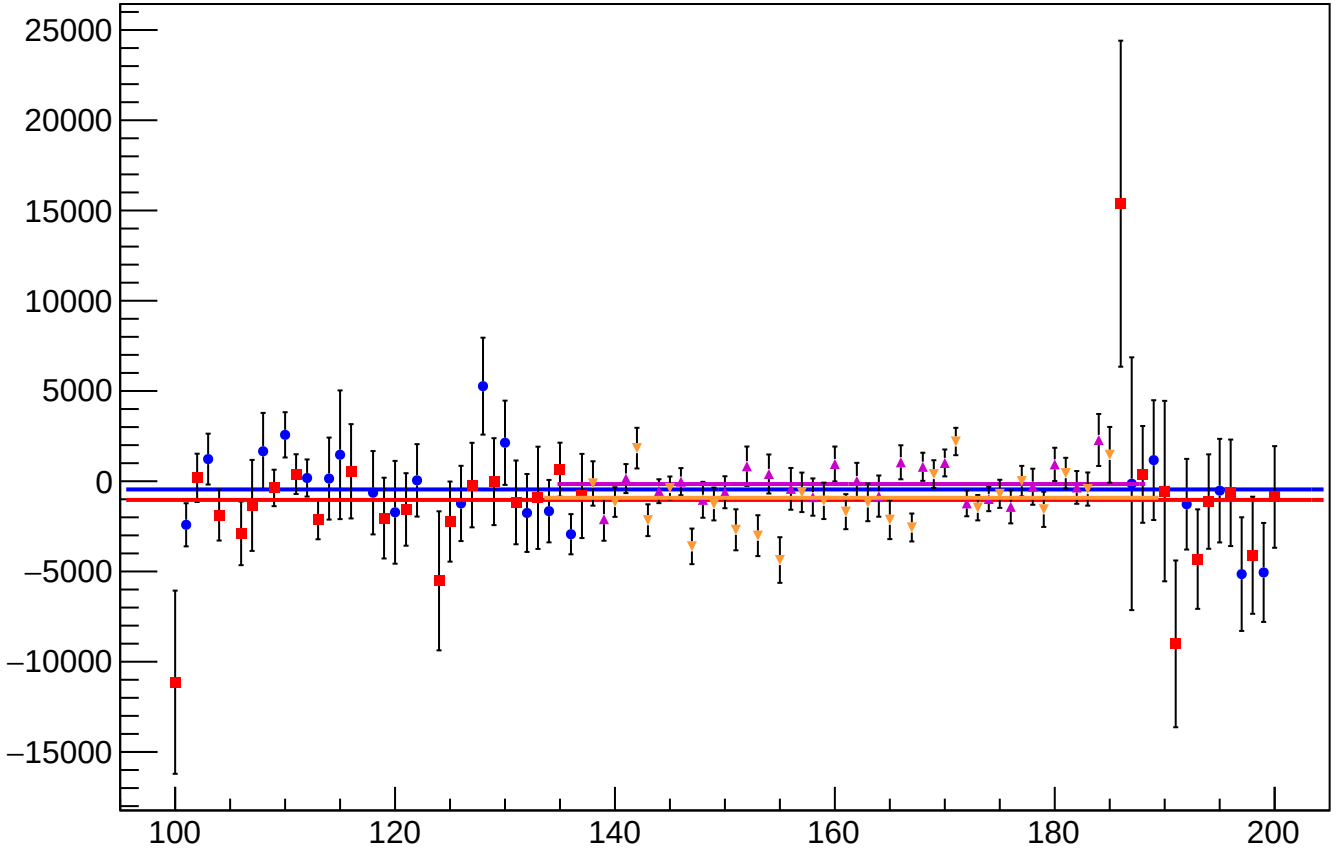
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 110.473+/-0.015 χ^2/NDF: 4985419.1/46

All: 111.095+/-0.011 χ^2/NDF: 11148868.3/97

- sign 111.722+/-0.015 χ^2/NDF: 6159936.2/50

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -453.831+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1035.121+/-372.122 χ^2/NDF: 22.1/27

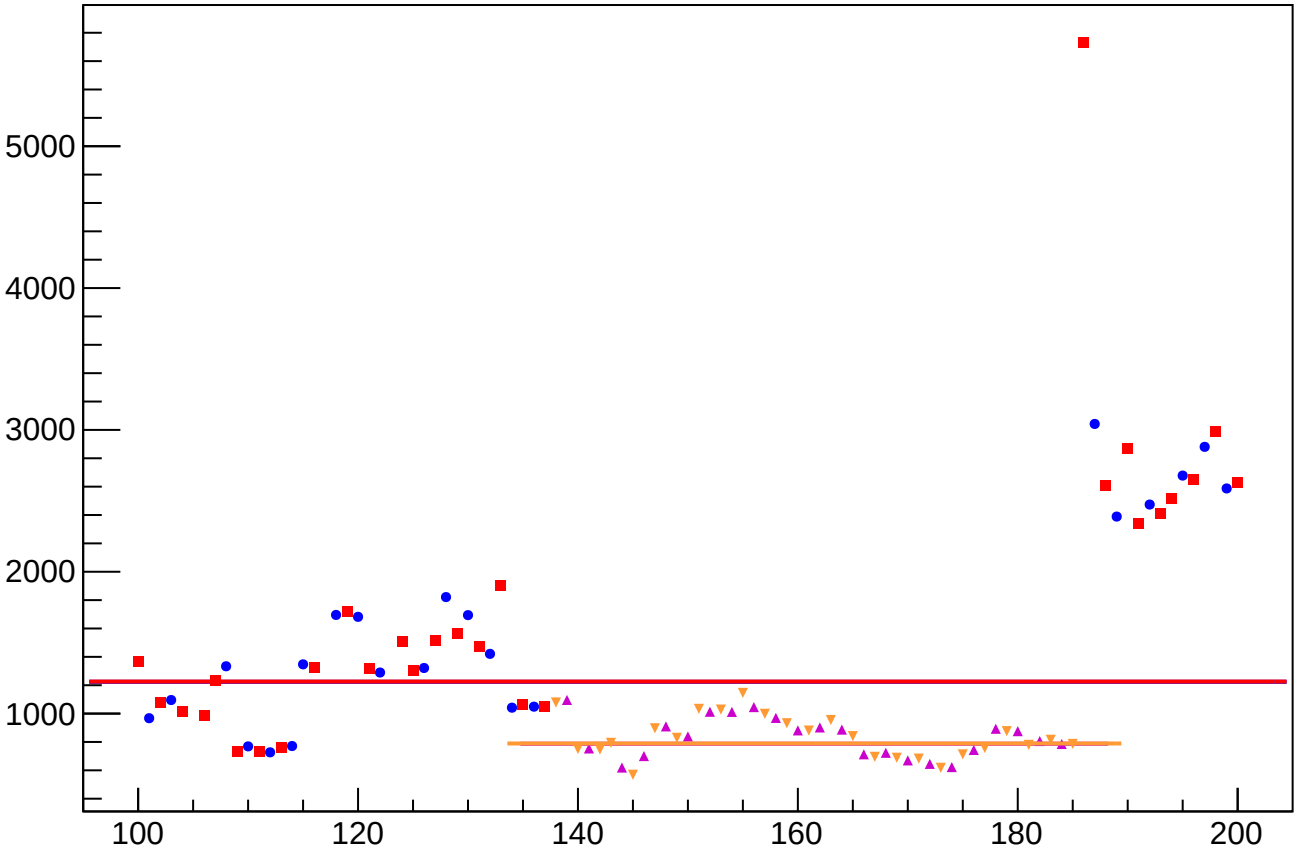
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -837.350+/-165.723 χ^2/NDF: 94.3/46

All: -587.528+/-117.693 χ^2/NDF: 148.5/97

- sign -333.319+/-167.172 χ^2/NDF: 49.6/50

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1224.053+/-0.280 χ^2/NDF: 3775270.4/21

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1225.852+/-0.263 χ^2/NDF: 5468682.6/27

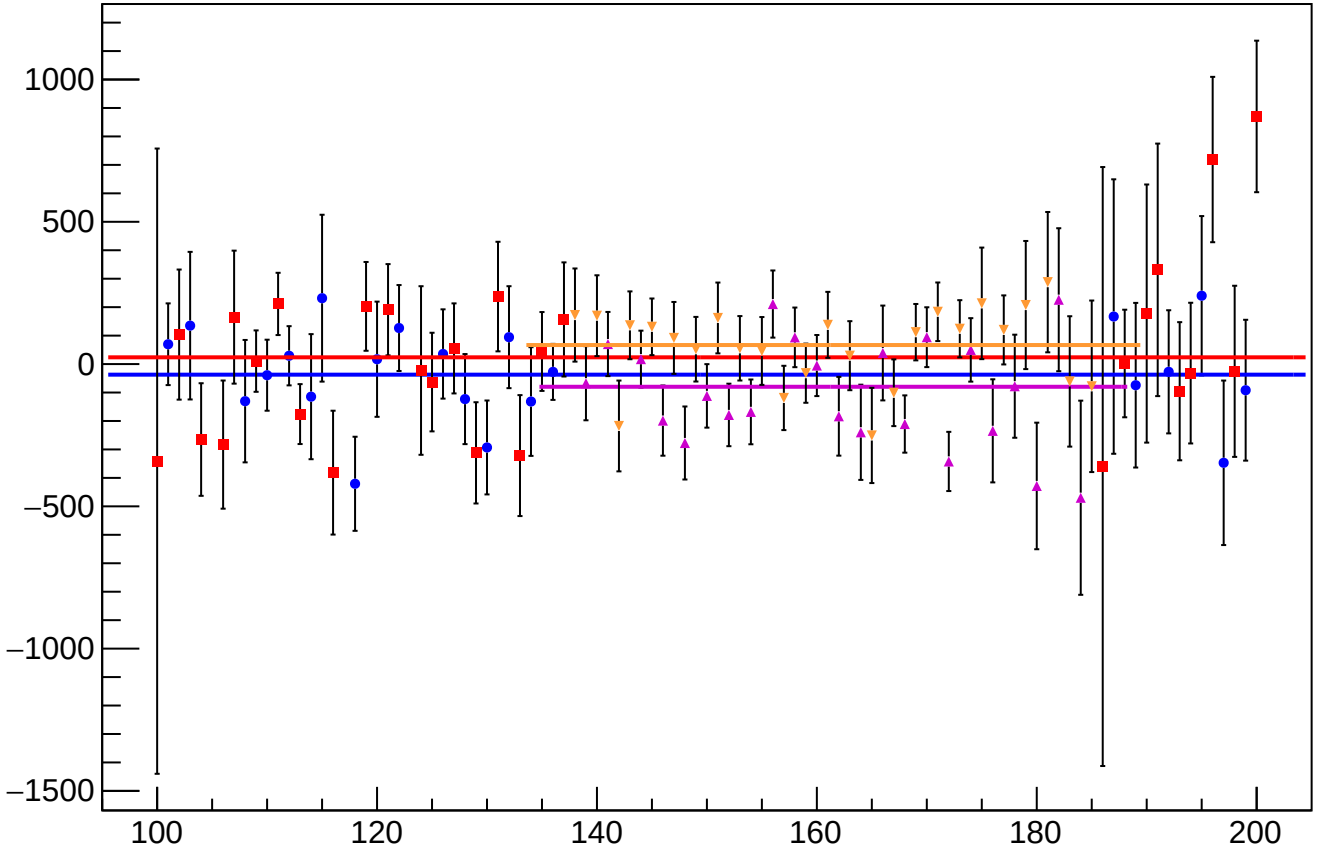
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 865.365+/-0.117 χ^2/NDF: 6940235.9/46

All: 870.576+/-0.083 χ^2/NDF: 15670589.9/97

- sign 875.878+/-0.118 χ^2/NDF: 8726364.7/50

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -37.216+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 23.729+/-35.450 χ^2/NDF: 42.1/27

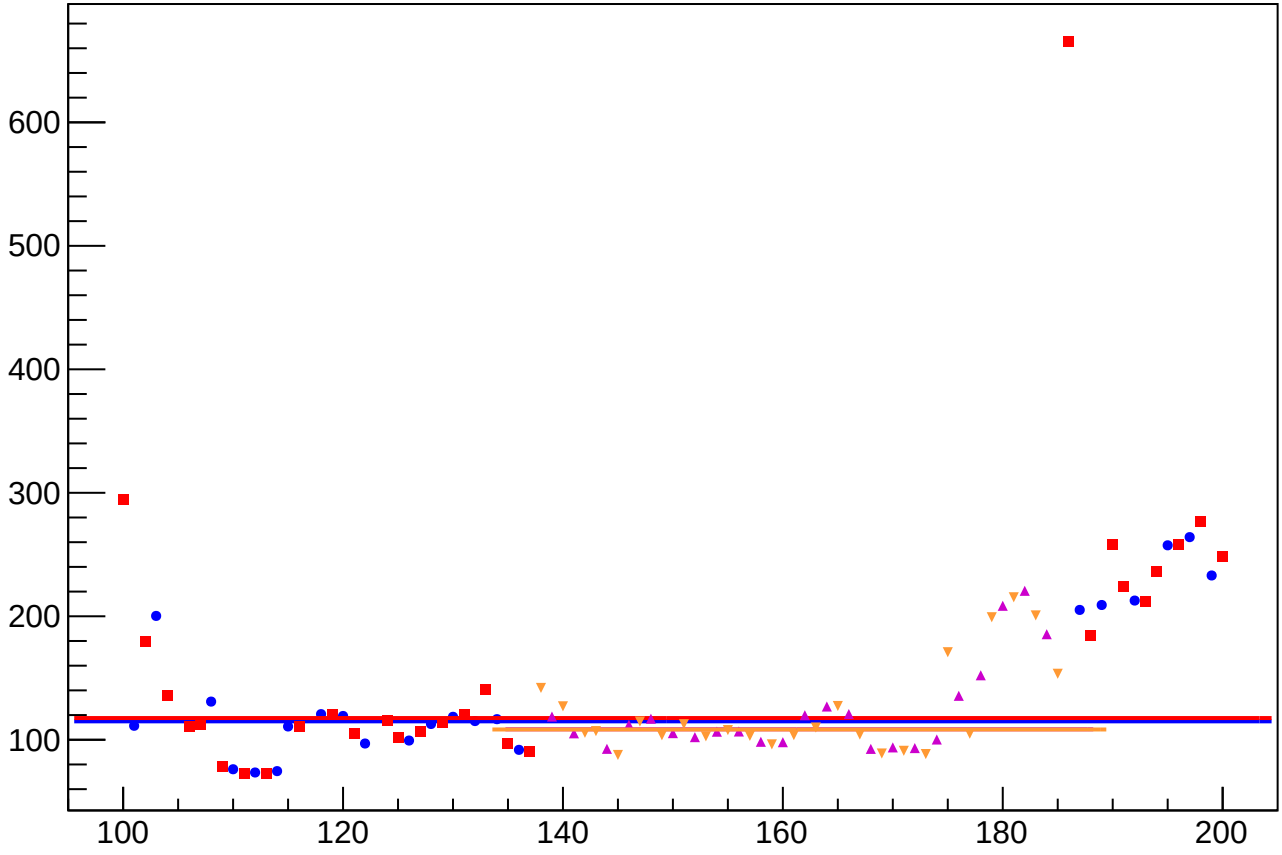
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.035+/-21.015 χ^2/NDF: 40.3/46

All: -4.805+/-14.897 χ^2/NDF: 131.3/97

- sign -43.027+/-21.121 χ^2/NDF: 84.5/50

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 114.920+/-0.026 χ^2/NDF: 3167652.4/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

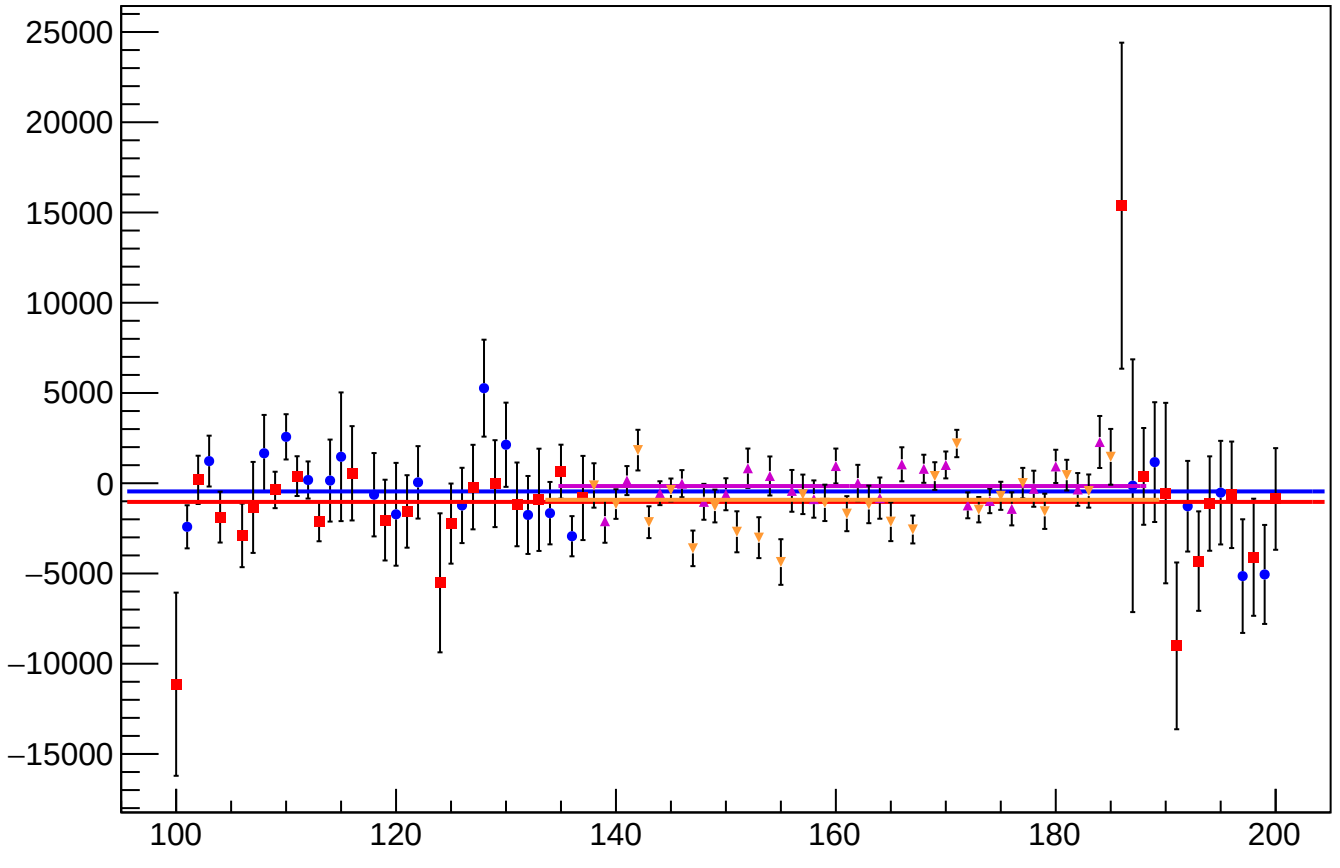
Right Out: 117.591+/-0.025 χ^2/NDF: 4695563.7/27

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 110.474+/-0.015 χ^2/NDF: 4985402.9/46

All: 111.095+/-0.011 χ^2/NDF: 11148833.0/97

- sign 111.722+/-0.015 χ^2/NDF: 6159917.2/50



Right In: -453.829+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

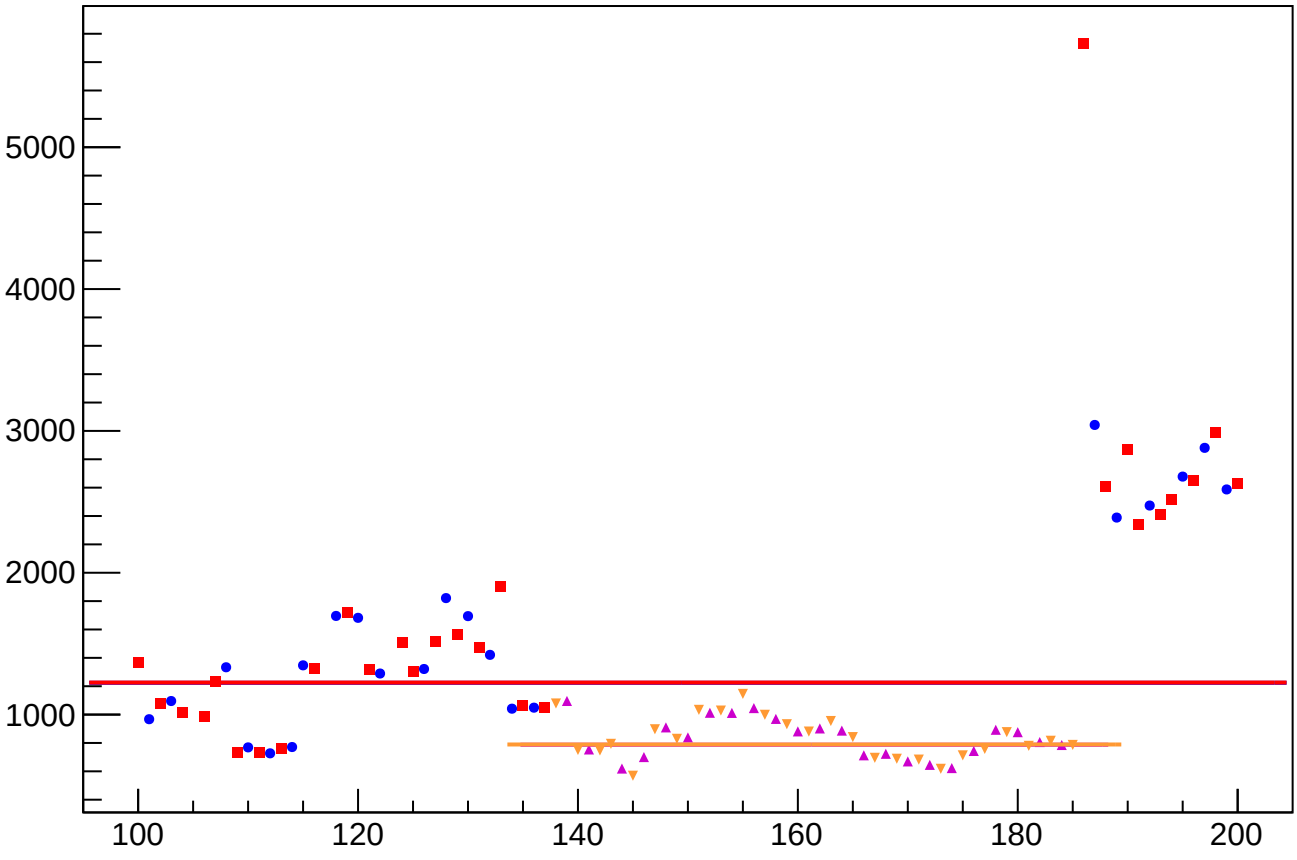
Right Out: -1035.119+/-372.122 χ^2/NDF: 22.1/27

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

\+ sign -837.349+/-165.723 χ^2/NDF: 94.3/46

All: -587.527+/-117.692 χ^2/NDF: 148.5/97

\- sign -333.318+/-167.171 χ^2/NDF: 49.6/50



Right In: 1224.050+/-0.280 χ^2/NDF: 3775278.0/21

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1225.850+/-0.263 χ^2/NDF: 5468686.2/27

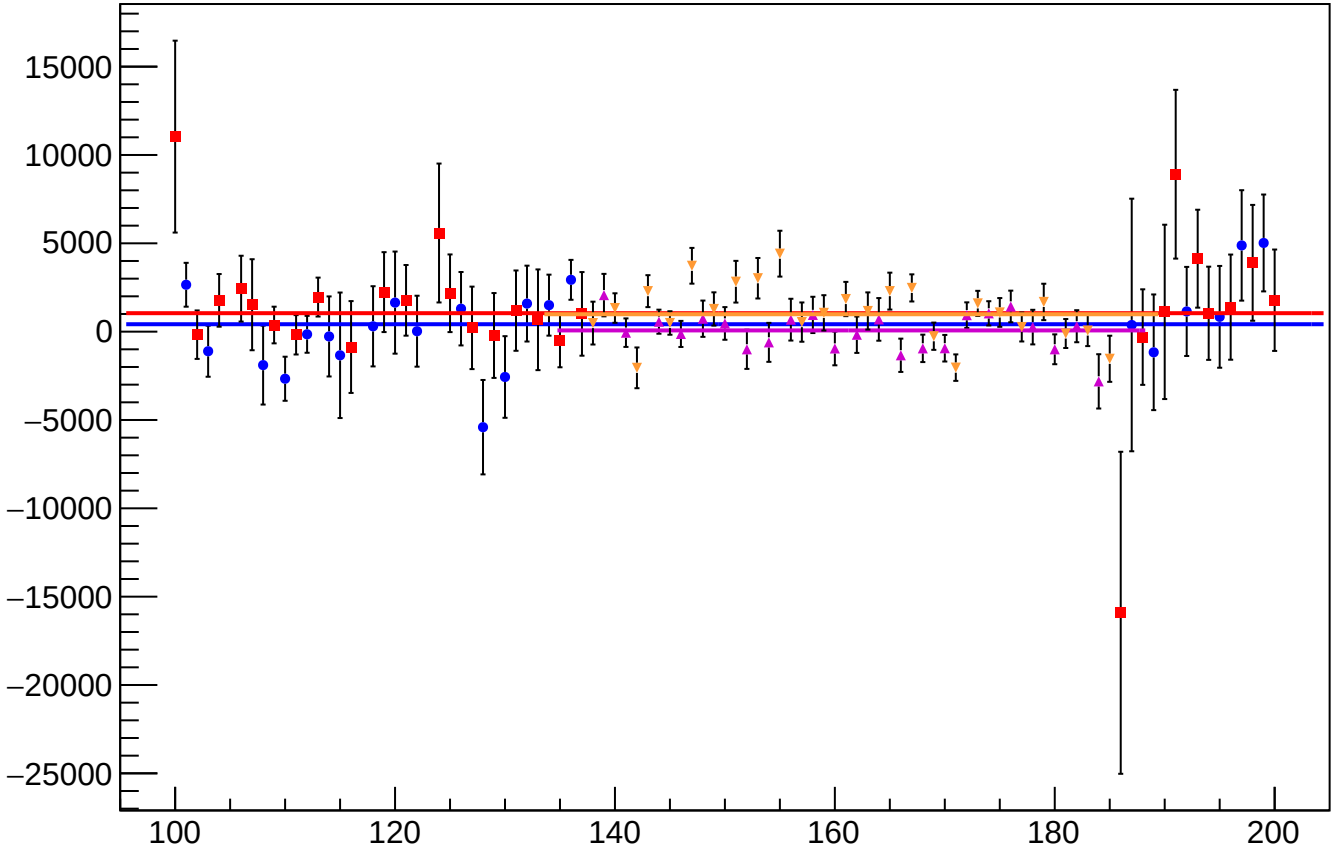
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 865.363+/-0.117 χ^2/NDF: 6940245.5/46

All: 870.574+/-0.083 χ^2/NDF: 15670604.4/97

- sign 875.876+/-0.118 χ^2/NDF: 8726369.5/50

asym_sam_3748_avg_mean vs Slug



Right In: 420.400+/-400.134 χ^2/NDF: 29.8/21

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1045.855+/-378.256 χ^2/NDF: 19.8/27

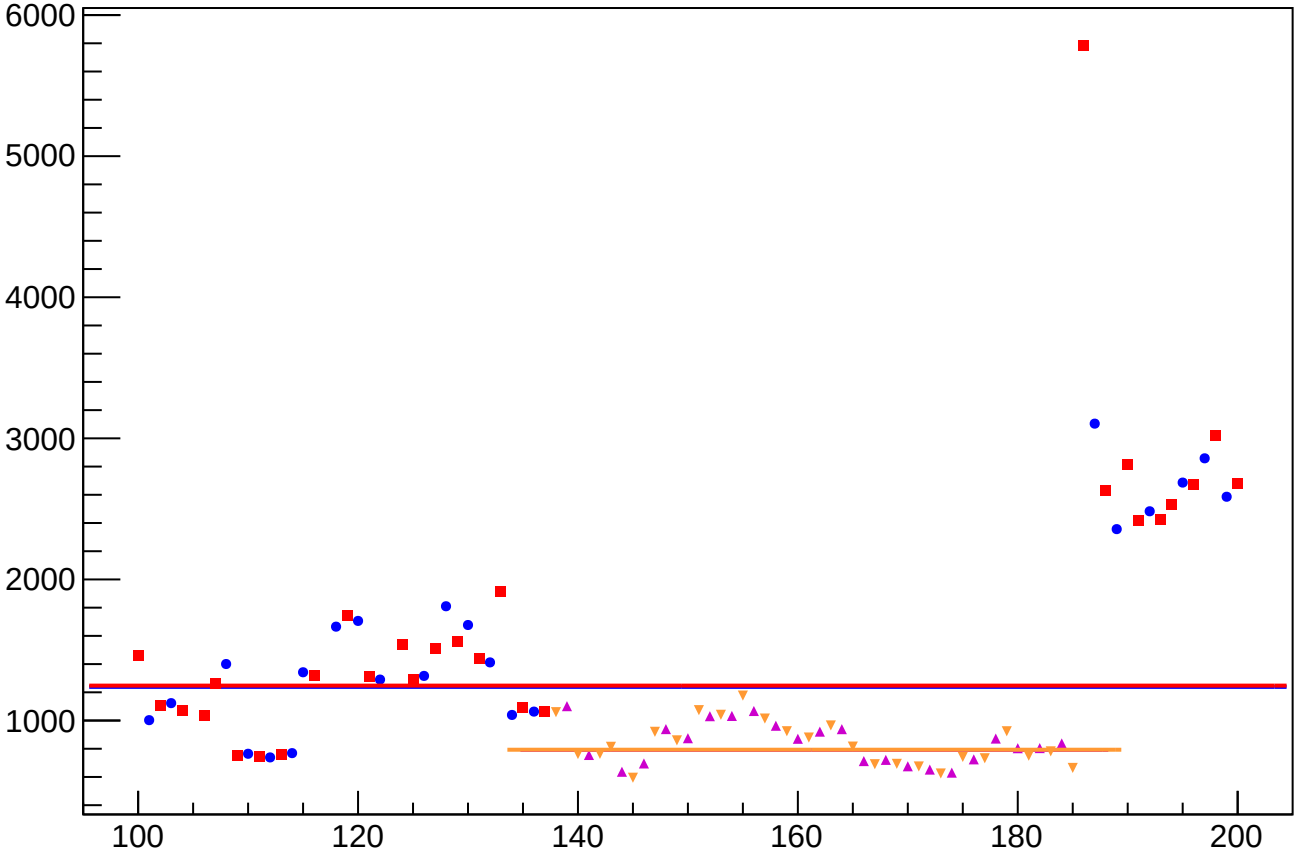
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 887.345+/-166.873 χ^2/NDF: 95.2/46

All: 578.194+/-118.525 χ^2/NDF: 151.7/97

- sign 263.440+/-168.378 χ^2/NDF: 49.5/50

asym_sam_3748_avg_rms vs Slug



Right In: 1238.516+/-0.283 χ^2/NDF: 3691399.4/21

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

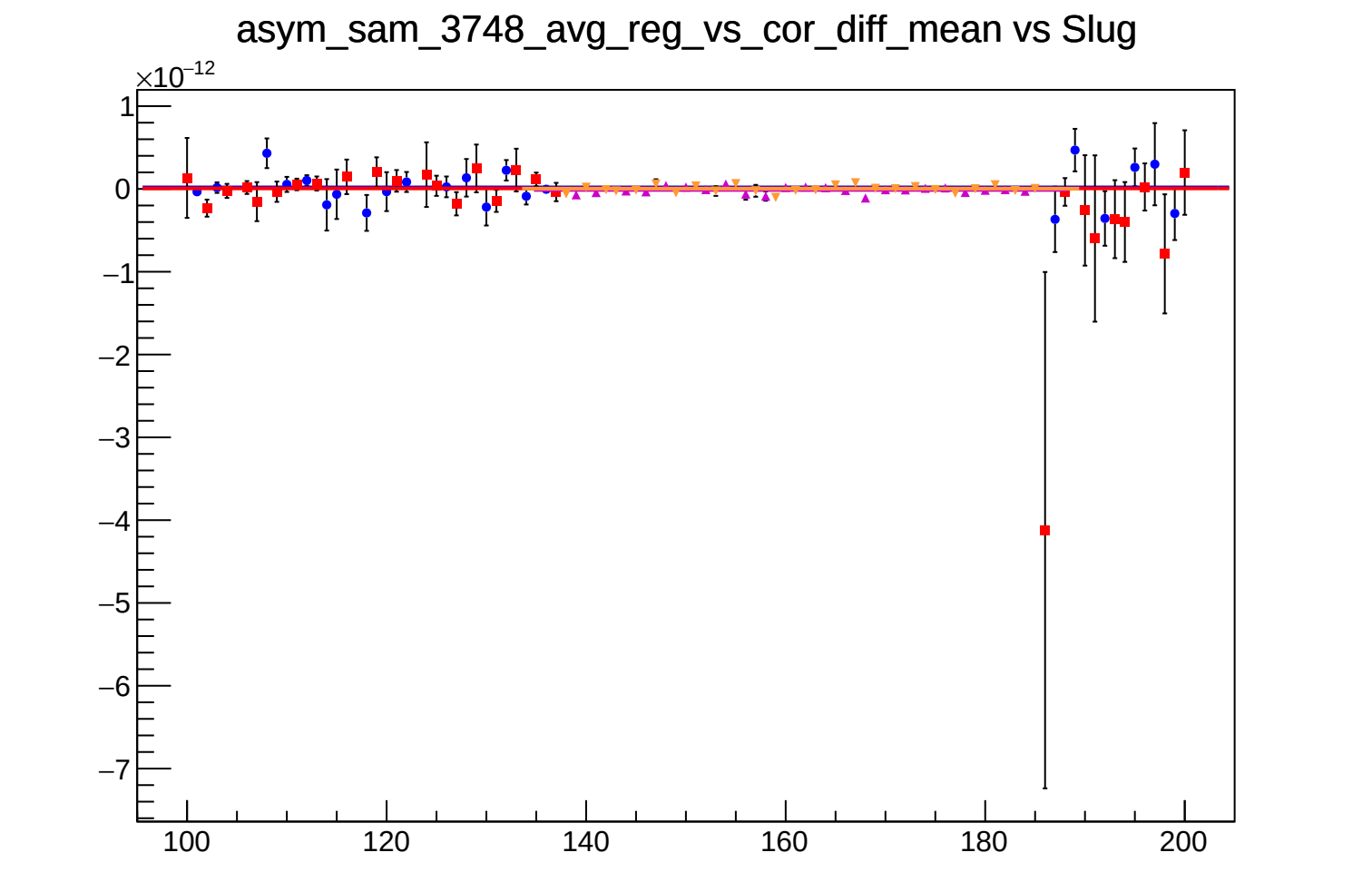
Right Out: 1247.470+/-0.267 χ^2/NDF: 5381626.3/27

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 870.528+/-0.118 χ^2/NDF: 6933067.5/46

All: 876.002+/-0.084 χ^2/NDF: 15702028.2/97

- sign 881.576+/-0.119 χ^2/NDF: 8764617.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

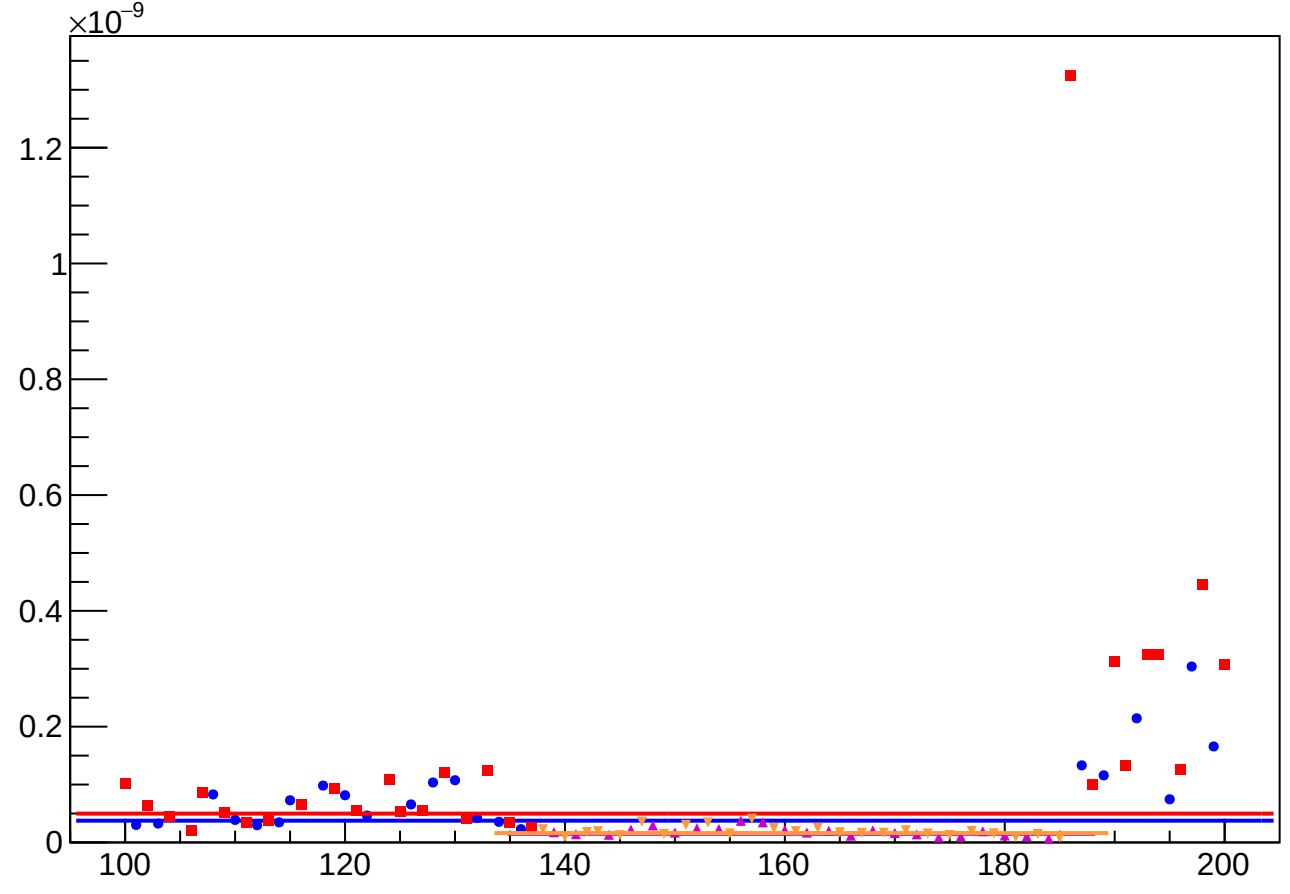
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/27

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.0/46

All: -0.000+/-0.000 χ^2/NDF: 109.0/97

- sign -0.000+/-0.000 χ^2/NDF: 46.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 3051412.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

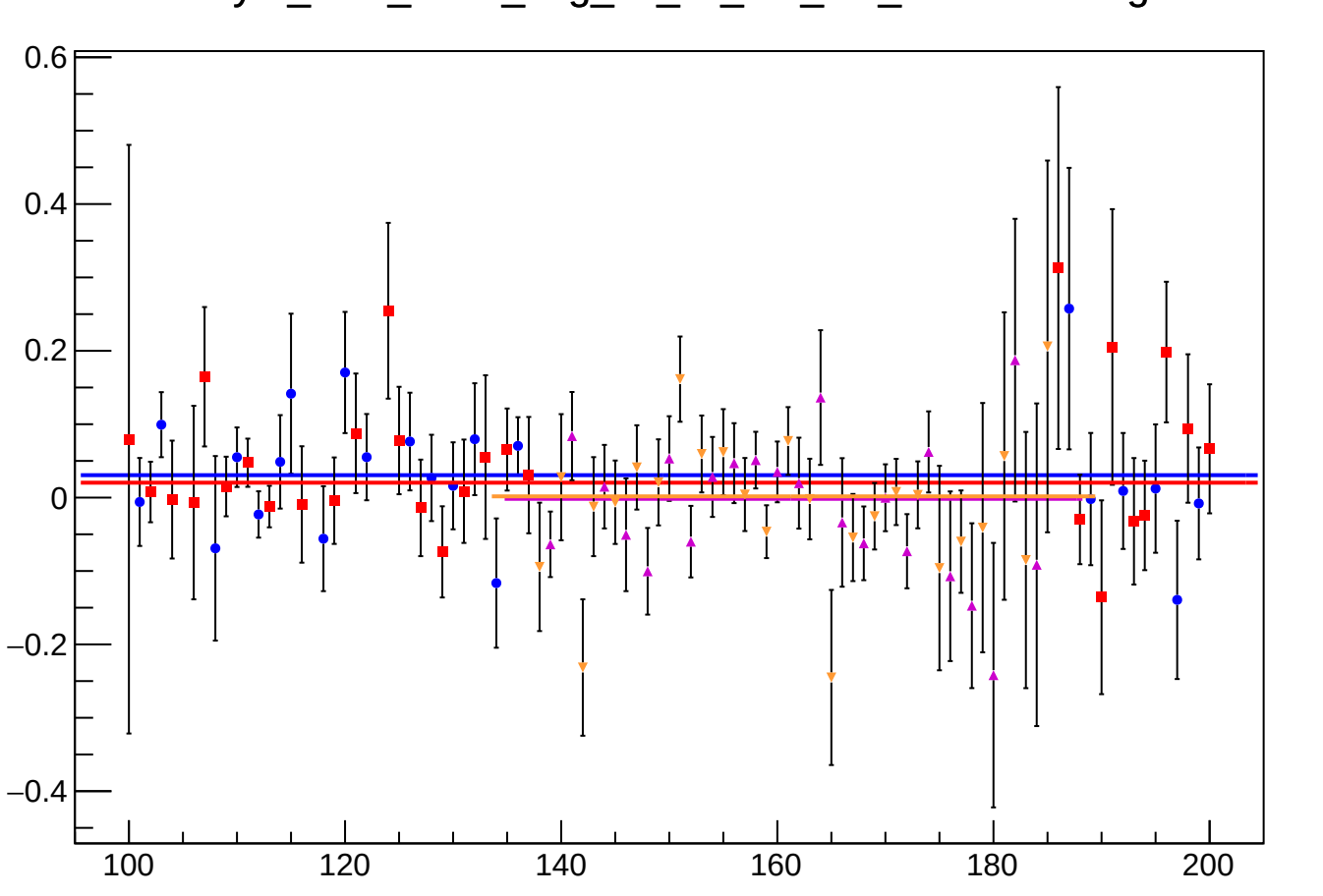
Right Out: 0.000+/-0.000 χ^2/NDF: 4584447.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6602470.1/46

All: 0.000+/-0.000 χ^2/NDF: 16222731.0/97

- sign 0.000+/-0.000 χ^2/NDF: 9586036.7/50



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

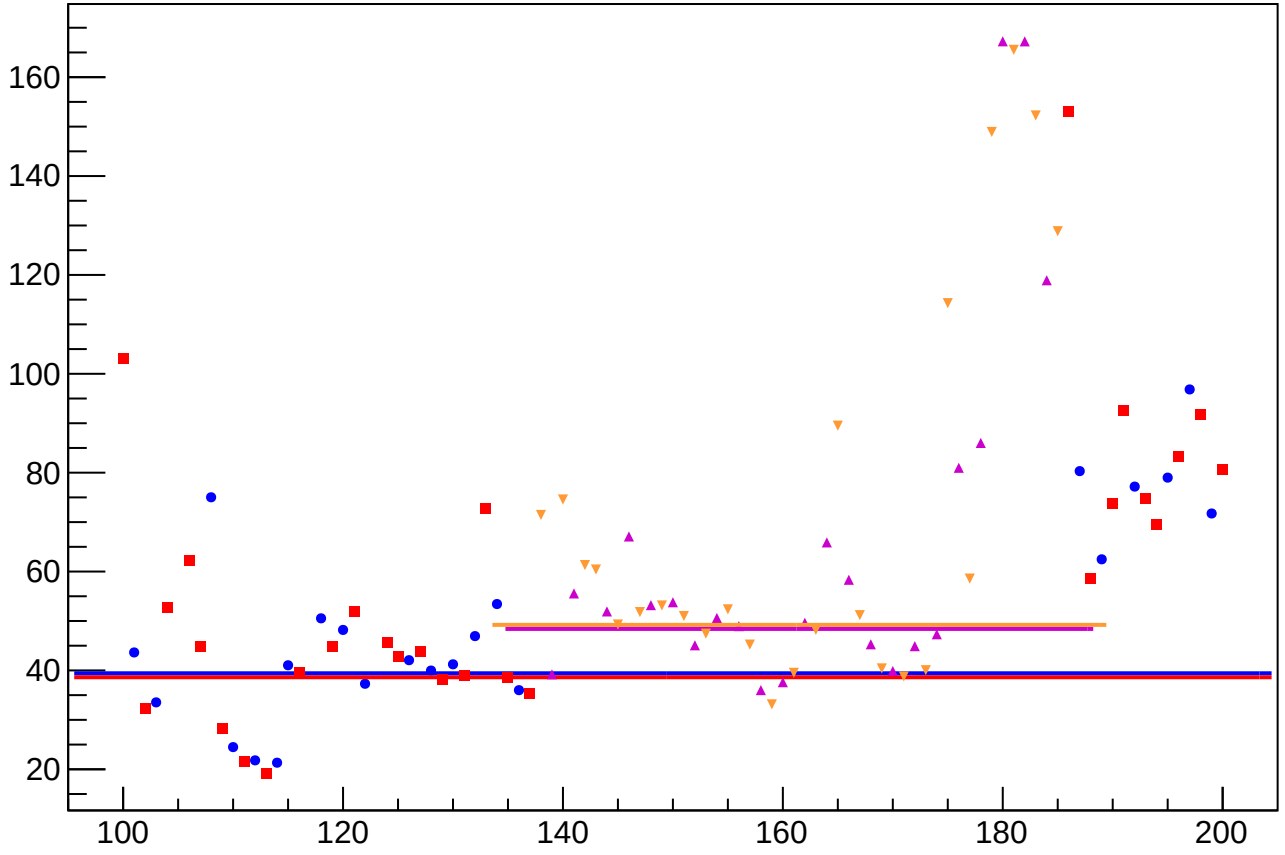
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 105.2/97

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

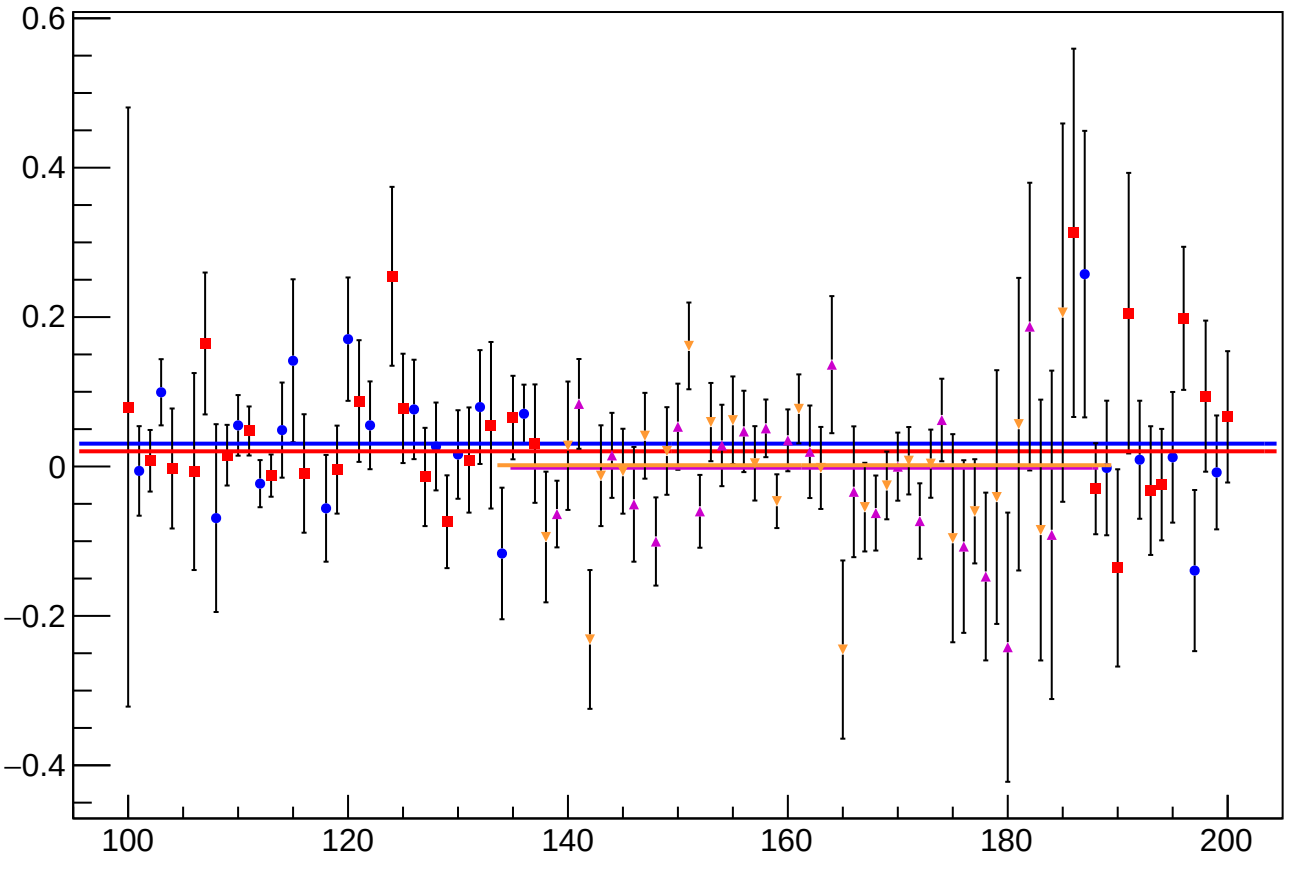
Right Out: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.605+/-0.006 χ^2/NDF: 8208968.4/46

All: 43.981+/-0.004 χ^2/NDF: 17132742.0/97

- sign 43.396+/-0.006 χ^2/NDF: 8904899.1/50



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

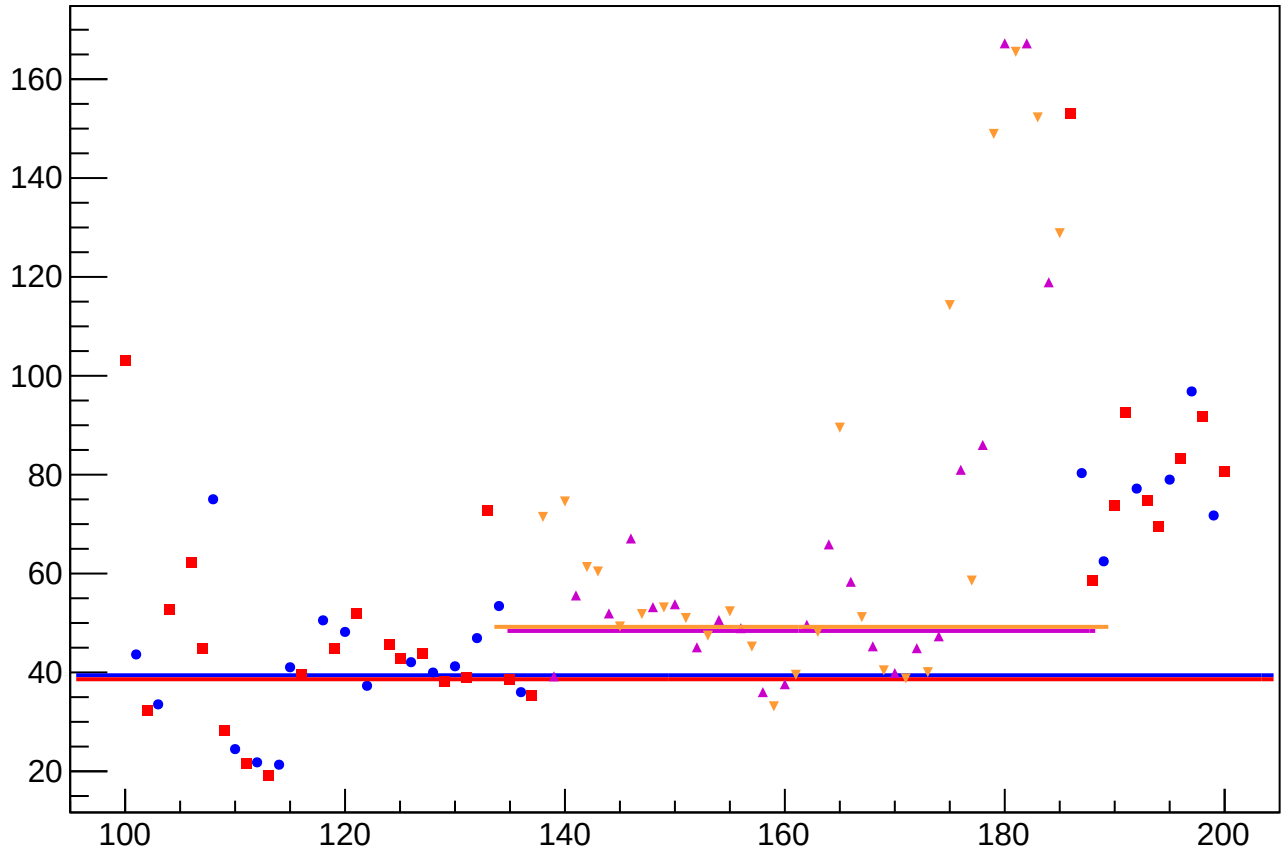
Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 105.2/97

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

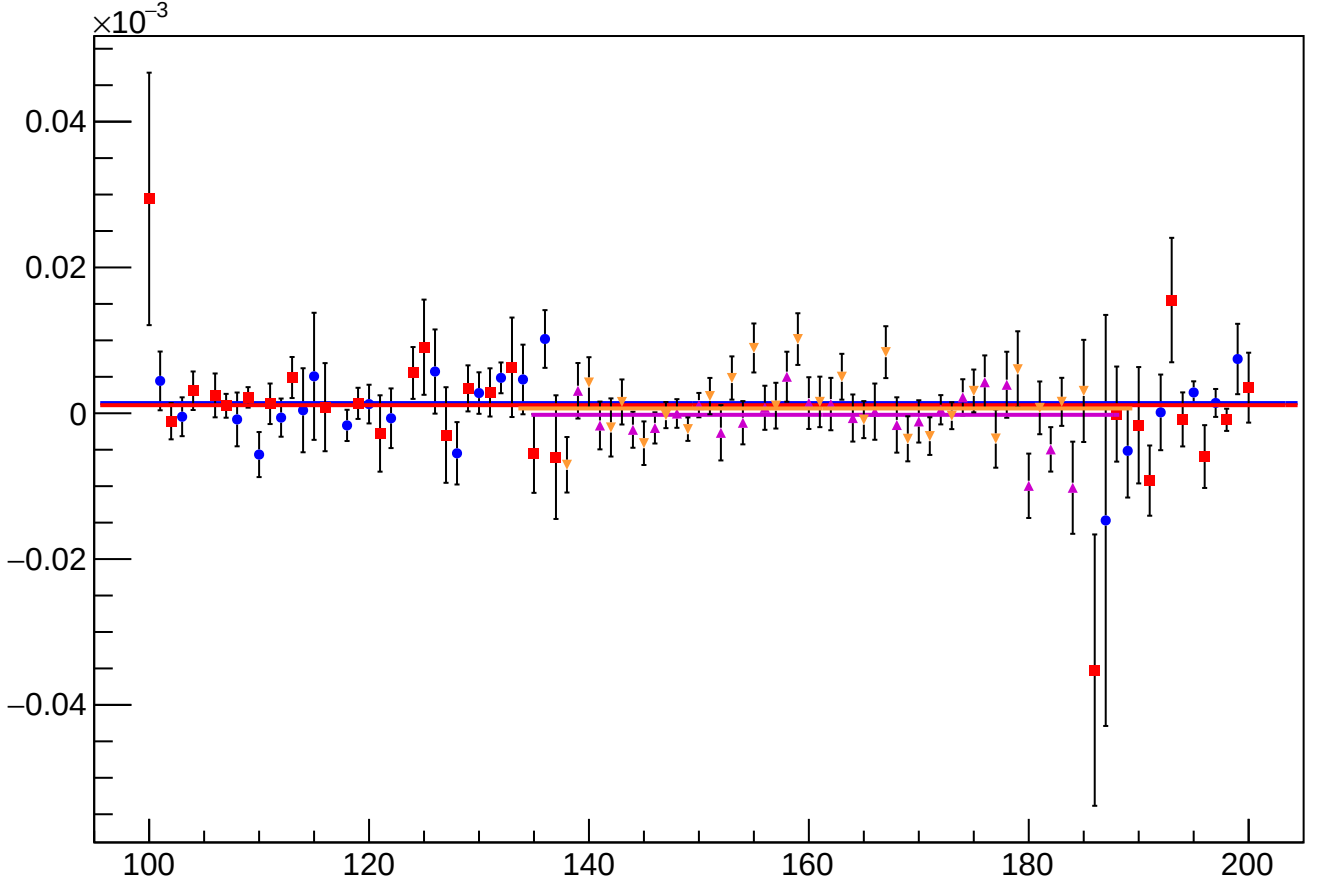
Right Out: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.605+/-0.006 χ^2/NDF: 8208968.4/46

All: 43.981+/-0.004 χ^2/NDF: 17132742.0/97

- sign 43.396+/-0.006 χ^2/NDF: 8904899.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

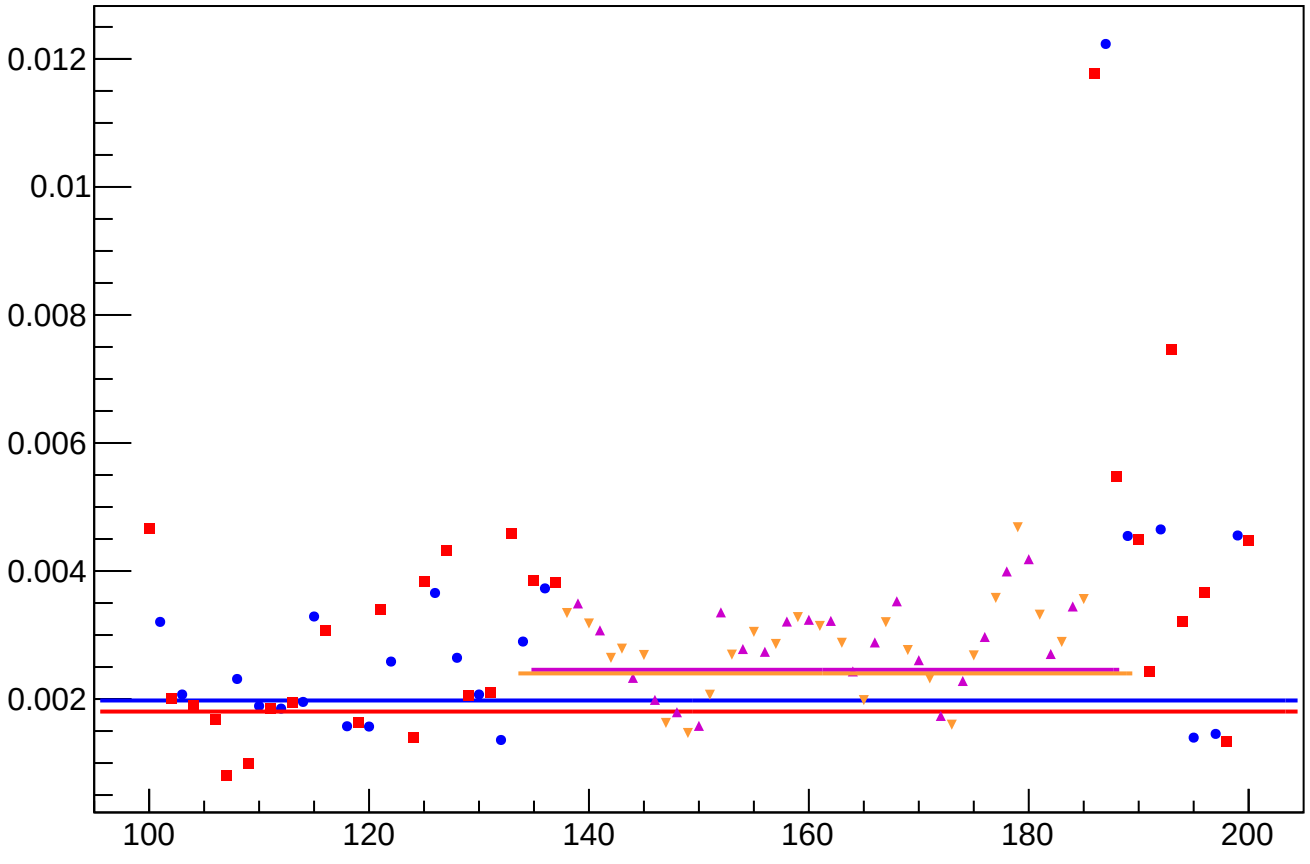
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/27

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/46

All: 0.000+/-0.000 χ^2/NDF: 121.1/97

- sign 0.000+/-0.000 χ^2/NDF: 52.8/50



Right In: 0.002+/-0.000 χ^2/NDF: 3400520.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

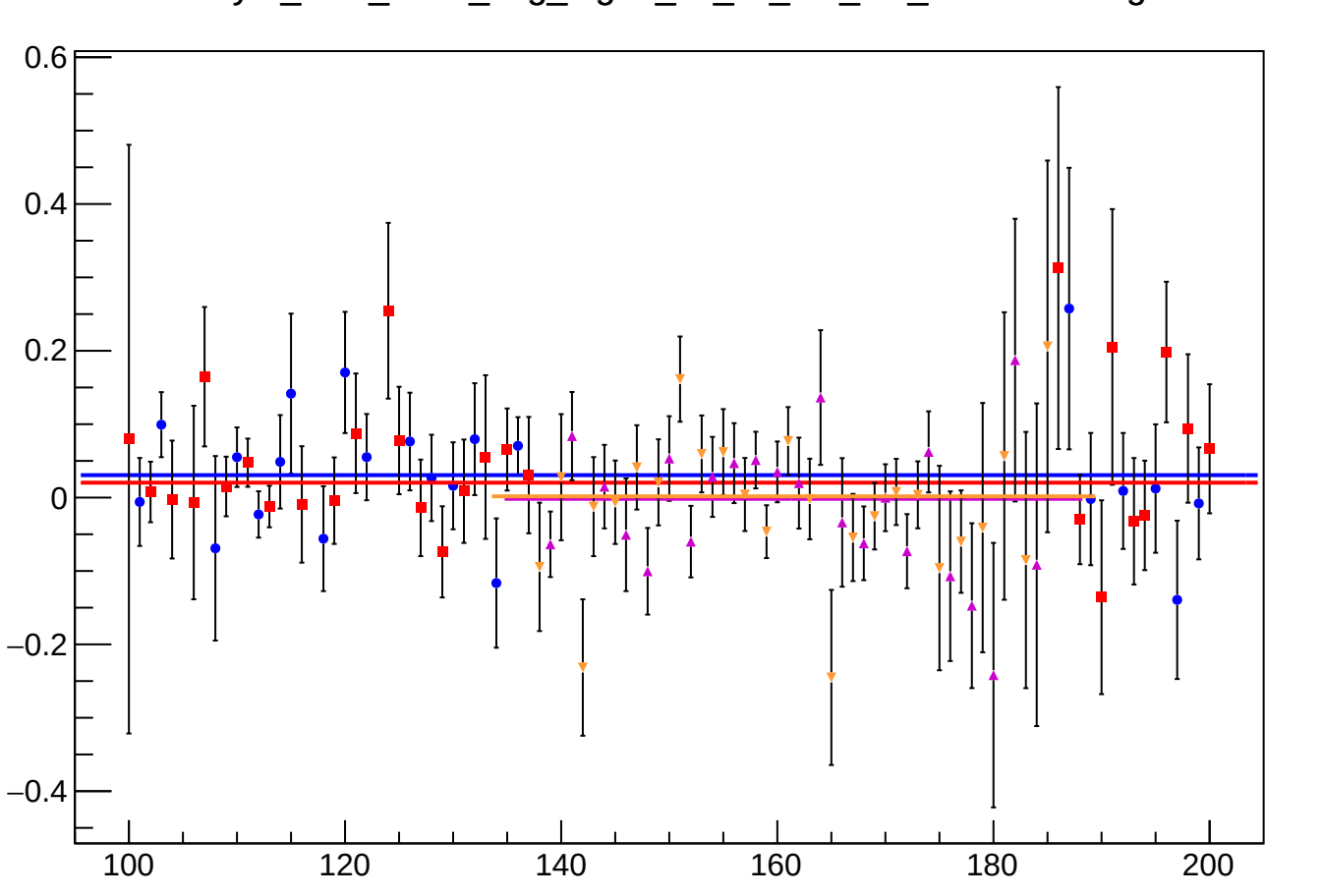
Right Out: 0.002+/-0.000 χ^2/NDF: 6878012.9/27

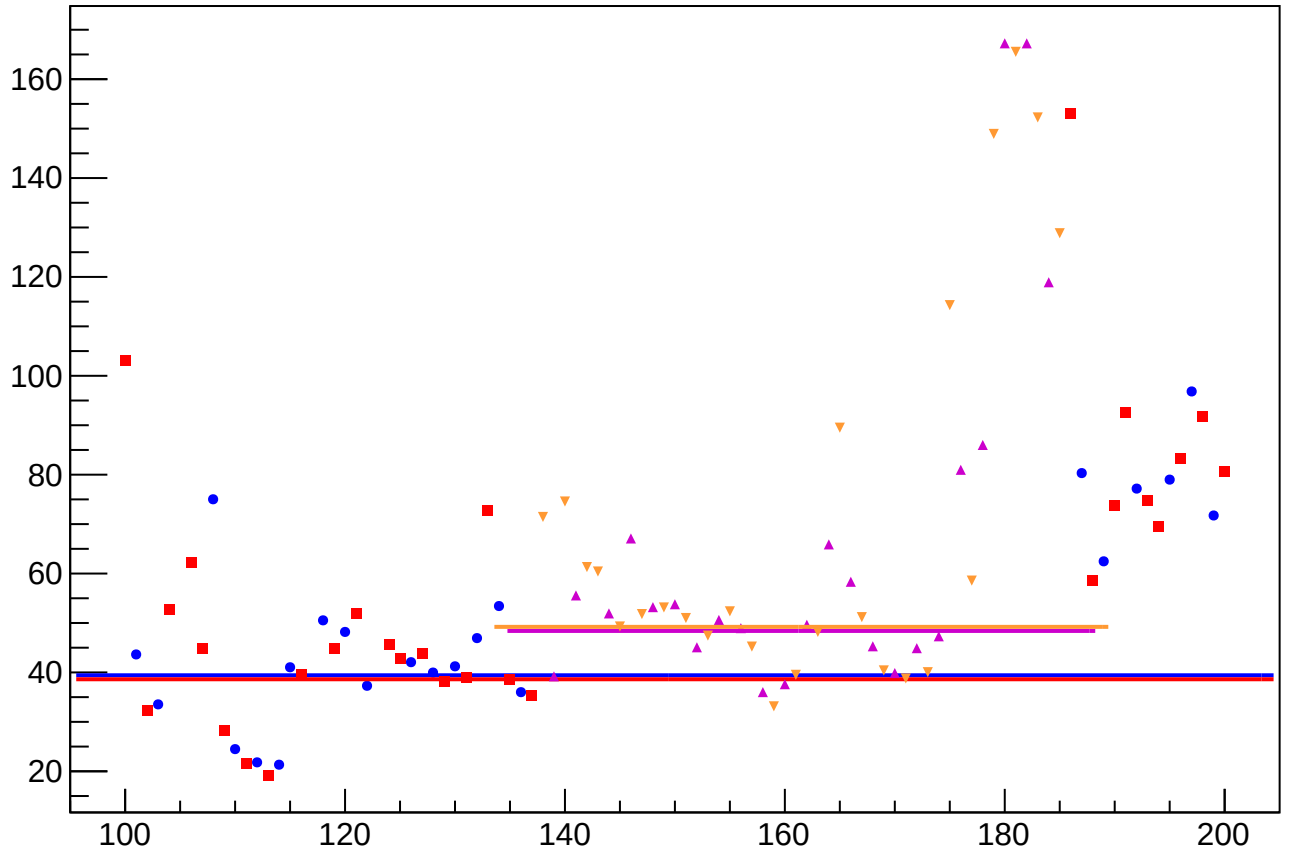
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 6997084.5/46

All: 0.002+/-0.000 χ^2/NDF: 17765540.1/97

- sign 0.002+/-0.000 χ^2/NDF: 10718130.3/50


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.031+/-0.013 χ²/NDF: 21.5/21
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.020+/-0.012 χ²/NDF: 22.8/27
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.015+/-0.009 χ²/NDF: 54.5/46
All: 0.012+/-0.006 χ²/NDF: 105.2/97
- sign 0.010+/-0.009 χ²/NDF: 50.5/50



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

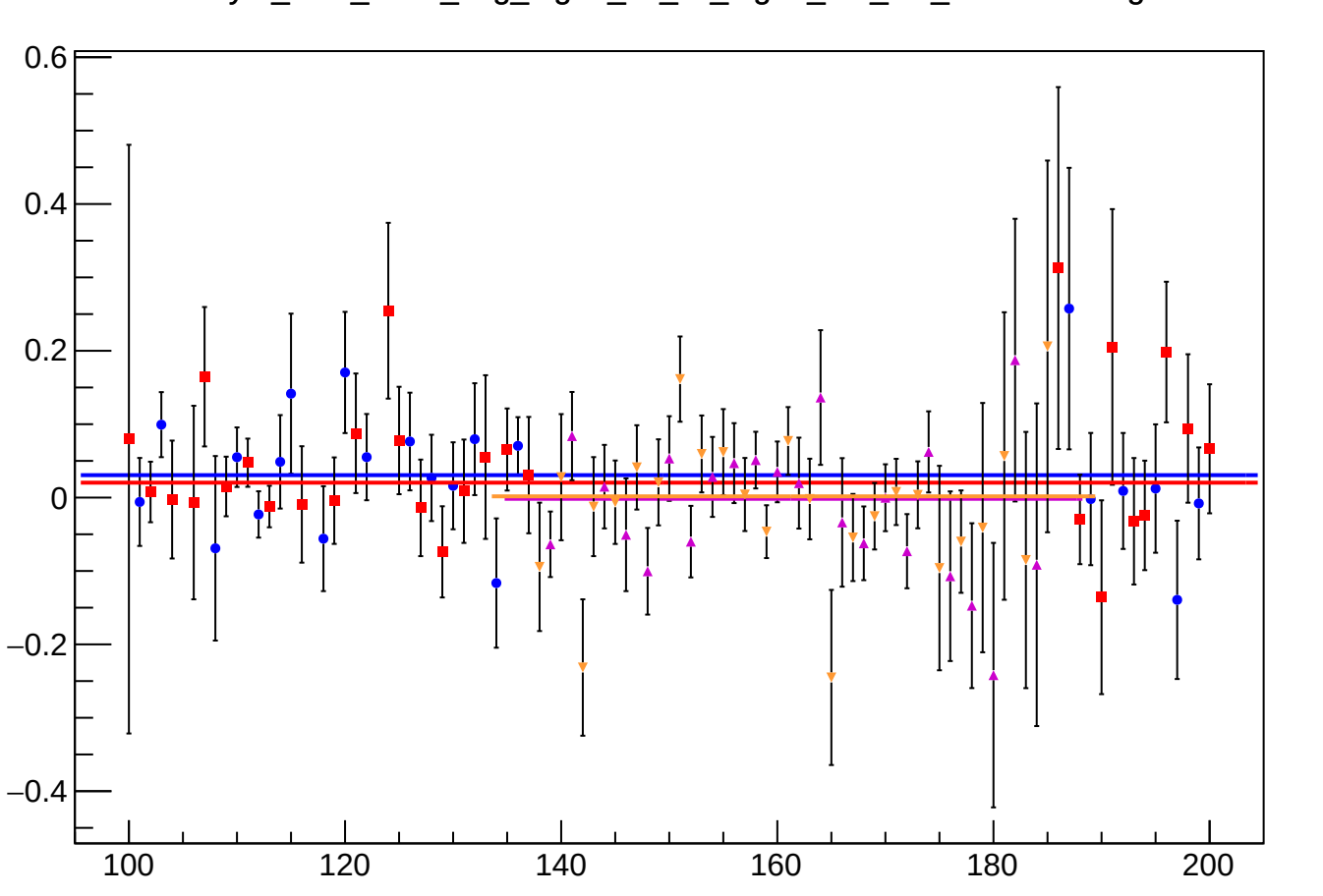
Right Out: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.606+/-0.006 χ^2/NDF: 8208855.9/46

All: 43.981+/-0.004 χ^2/NDF: 17132546.2/97

- sign 43.397+/-0.006 χ^2/NDF: 8904817.5/50



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

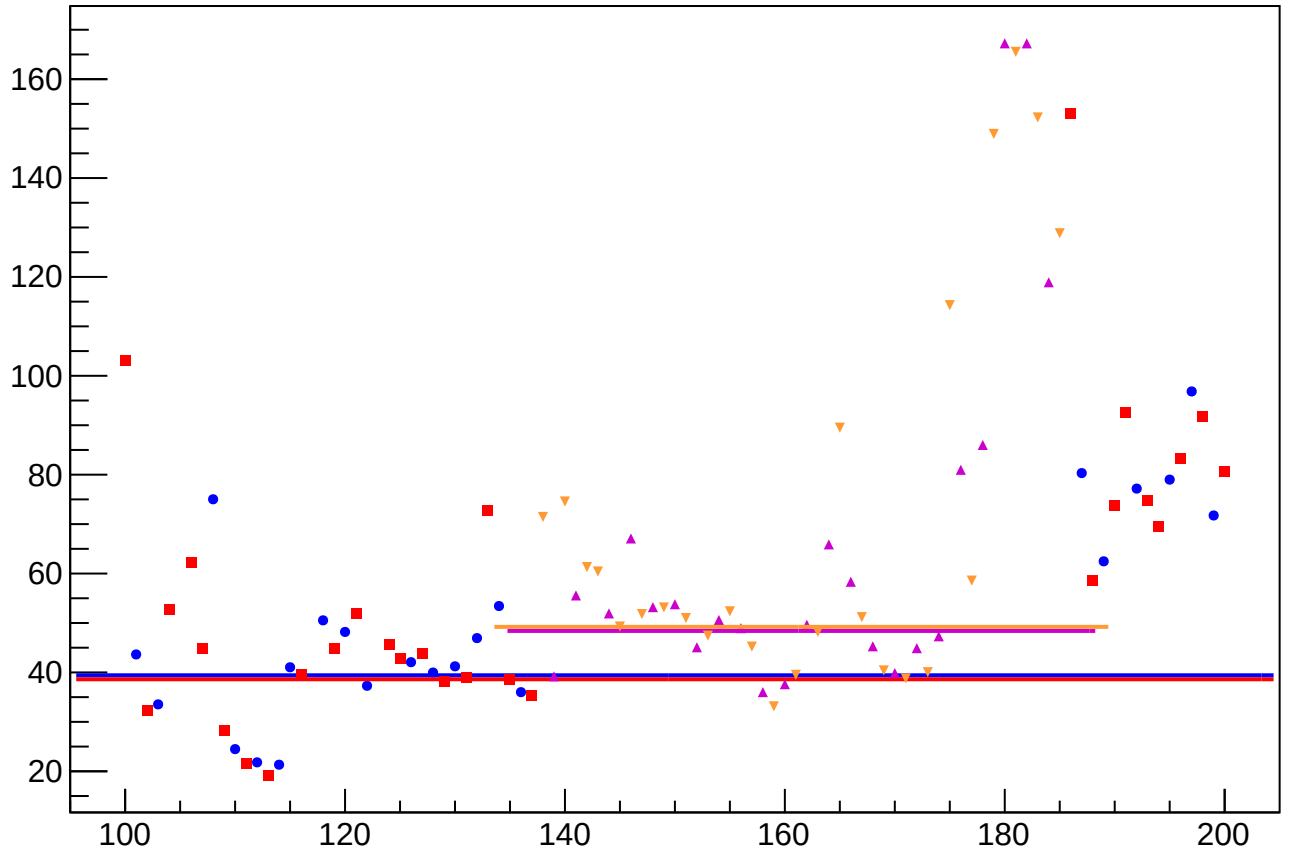
Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 105.2/97

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

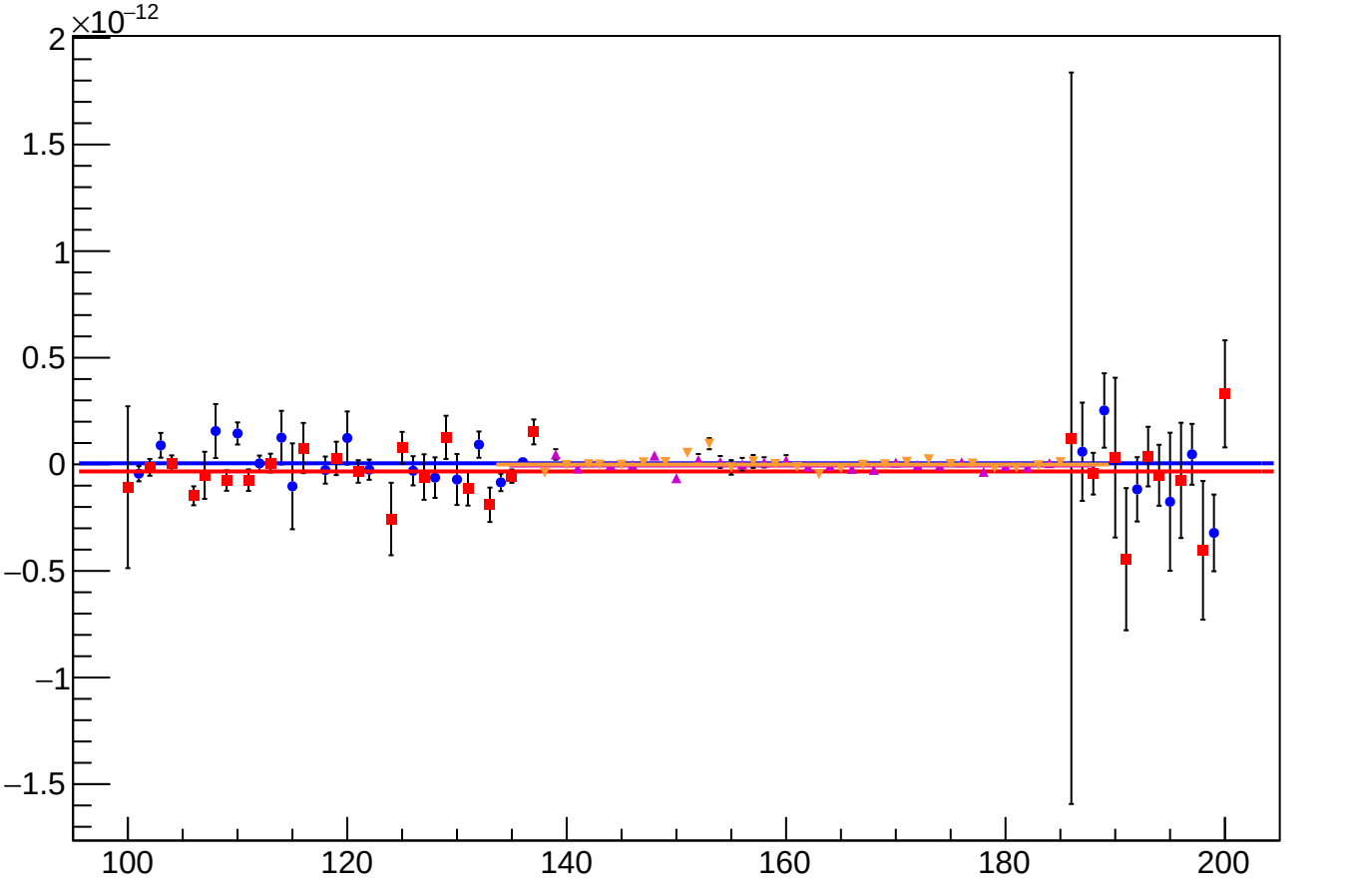
Right Out: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.606+/-0.006 χ^2/NDF: 8208855.9/46

All: 43.981+/-0.004 χ^2/NDF: 17132546.2/97

- sign 43.397+/-0.006 χ^2/NDF: 8904817.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

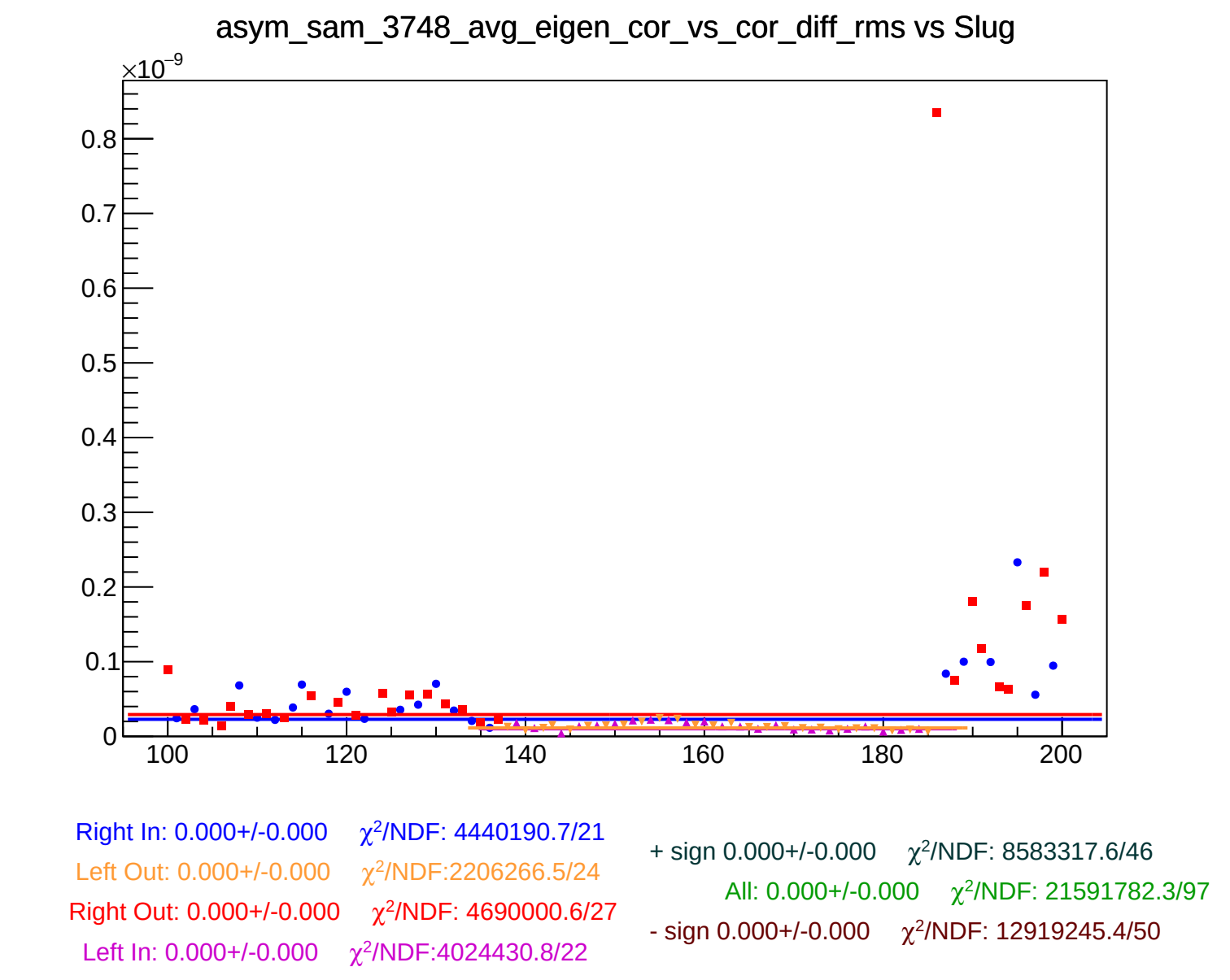
Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/27

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

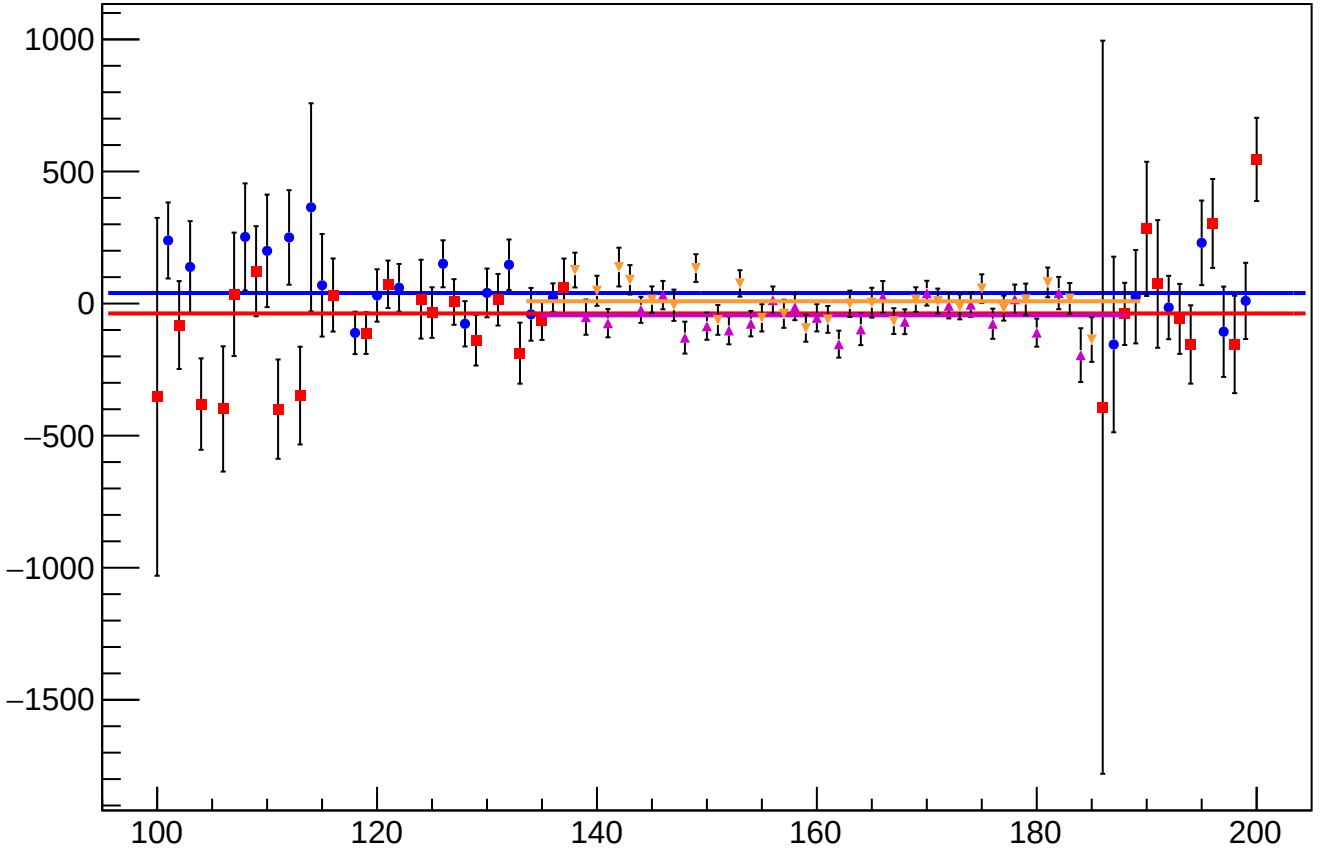
+ sign -0.000+/-0.000 χ^2/NDF: 67.2/46

All: -0.000+/-0.000 χ^2/NDF: 141.2/97

- sign -0.000+/-0.000 χ^2/NDF: 71.6/50


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4440190.7/21
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4690000.6/27
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8583317.6/46
All: 0.000+/-0.000 χ²/NDF: 21591782.3/97
- sign 0.000+/-0.000 χ²/NDF: 12919245.4/50

reg_asym_sam_1526_avg_mean vs Slug



Right In: 39.892+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -37.338+/-24.286 χ^2/NDF: 41.9/27

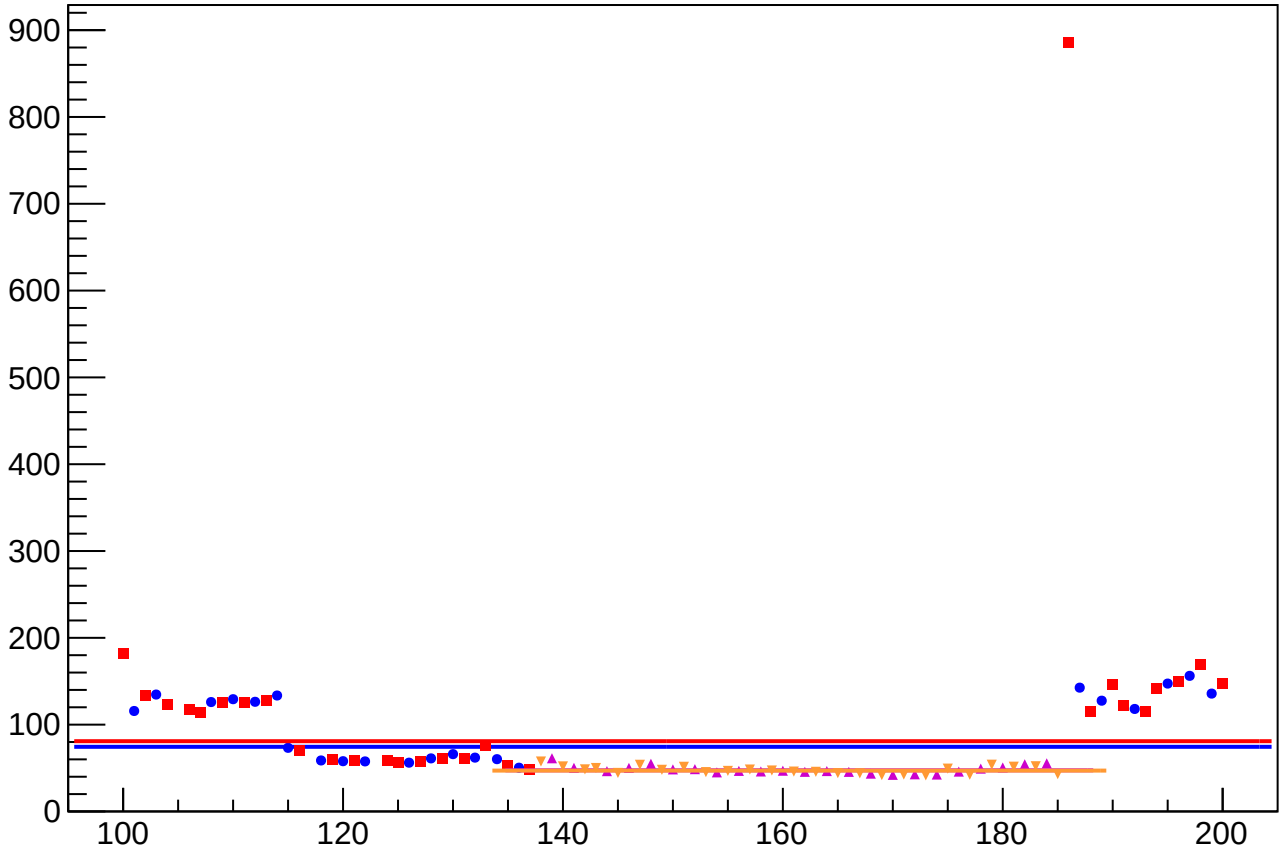
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.975+/-9.826 χ^2/NDF: 53.7/46

All: -13.777+/-7.054 χ^2/NDF: 139.2/97

- sign -43.288+/-10.132 χ^2/NDF: 69.0/50

reg_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465662.8/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

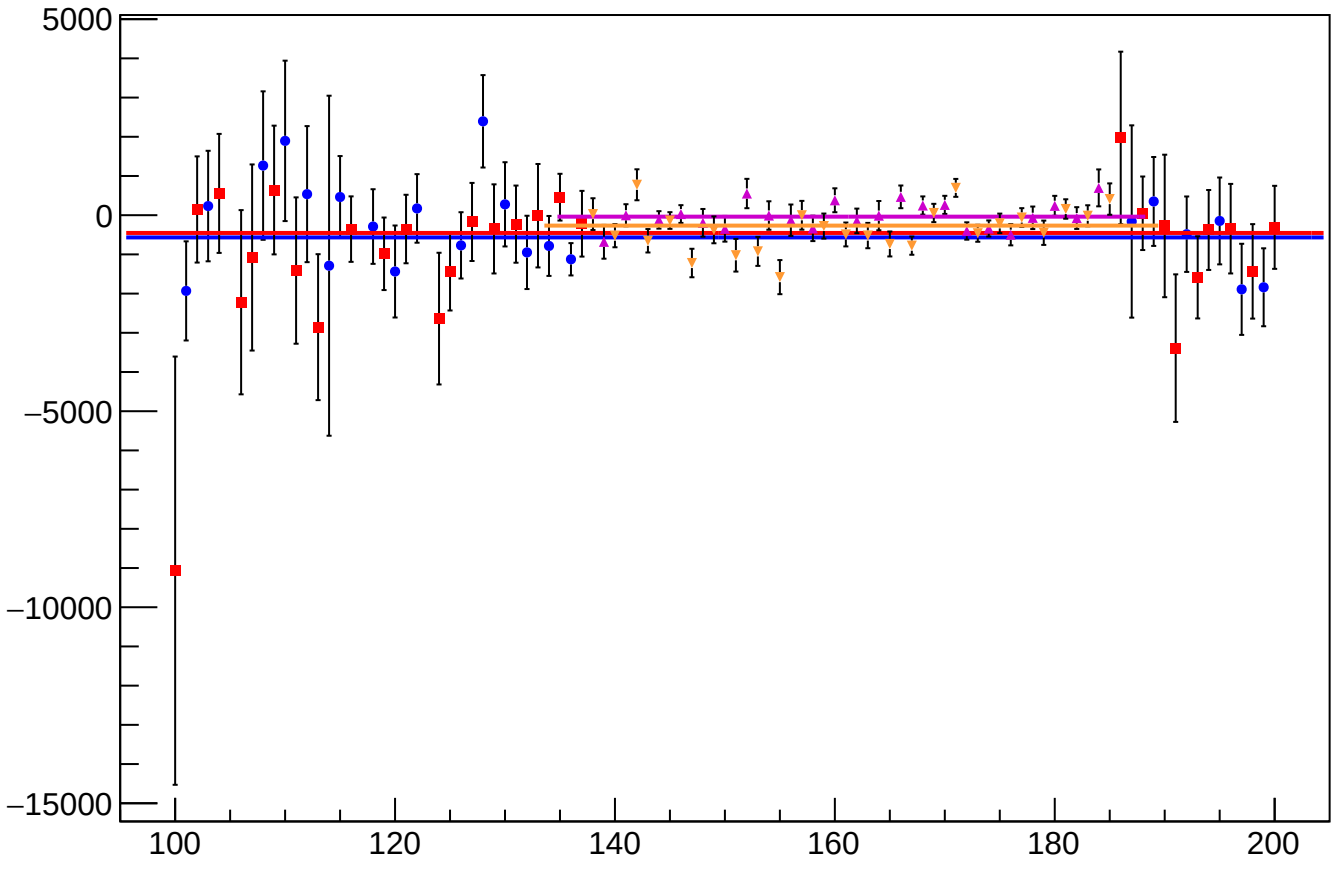
Right Out: 80.936+/-0.017 χ^2/NDF: 4697279.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.658+/-0.007 χ^2/NDF: 5924346.5/46

All: 52.417+/-0.005 χ^2/NDF: 14070064.3/97

- sign 53.223+/-0.007 χ^2/NDF: 8121123.2/50



Right In: -567.175+/-211.272 χ^2/NDF: 19.5/21

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -453.002+/-216.373 χ^2/NDF: 17.6/27

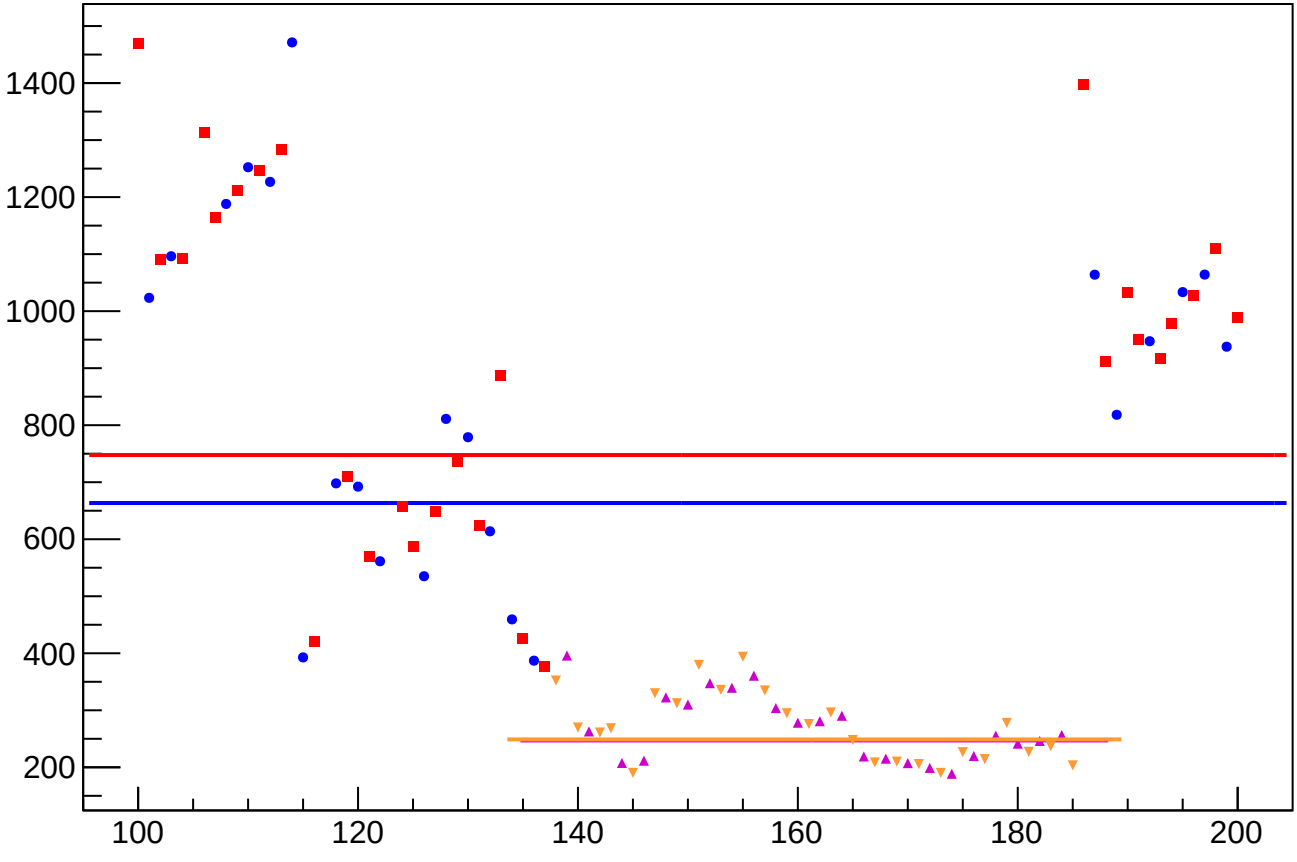
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -286.834+/-55.959 χ^2/NDF: 91.2/46

All: -178.788+/-39.954 χ^2/NDF: 146.4/97

- sign -66.428+/-57.065 χ^2/NDF: 47.7/50

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 663.507+/-0.149 χ^2/NDF: 3140981.0/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 747.661+/-0.153 χ^2/NDF: 3276585.9/27

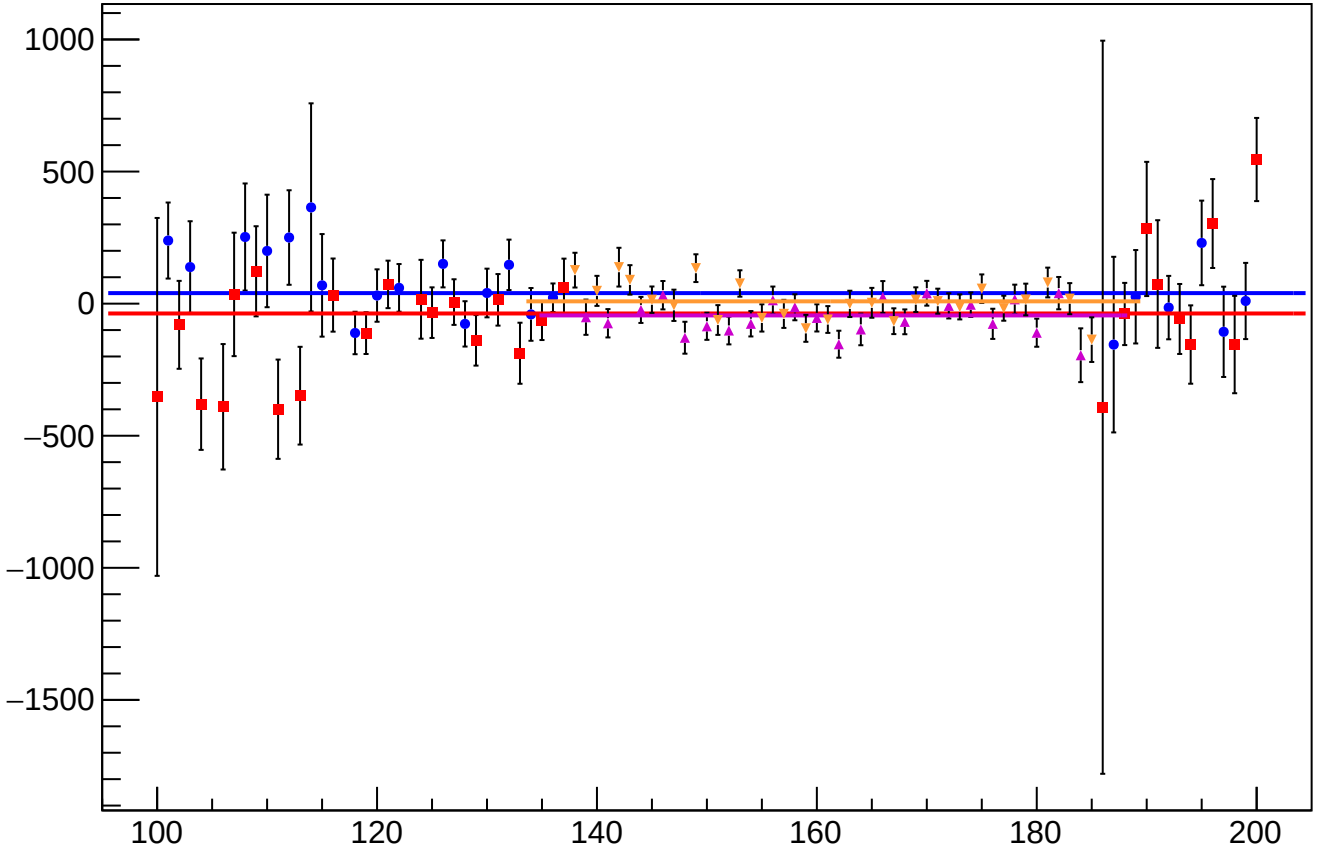
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 277.978+/-0.040 χ^2/NDF: 11966909.7/46

All: 279.913+/-0.028 χ^2/NDF: 26691790.0/97

- sign 281.925+/-0.040 χ^2/NDF: 14720000.5/50

cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -37.215+/-24.287 χ^2/NDF: 41.8/27

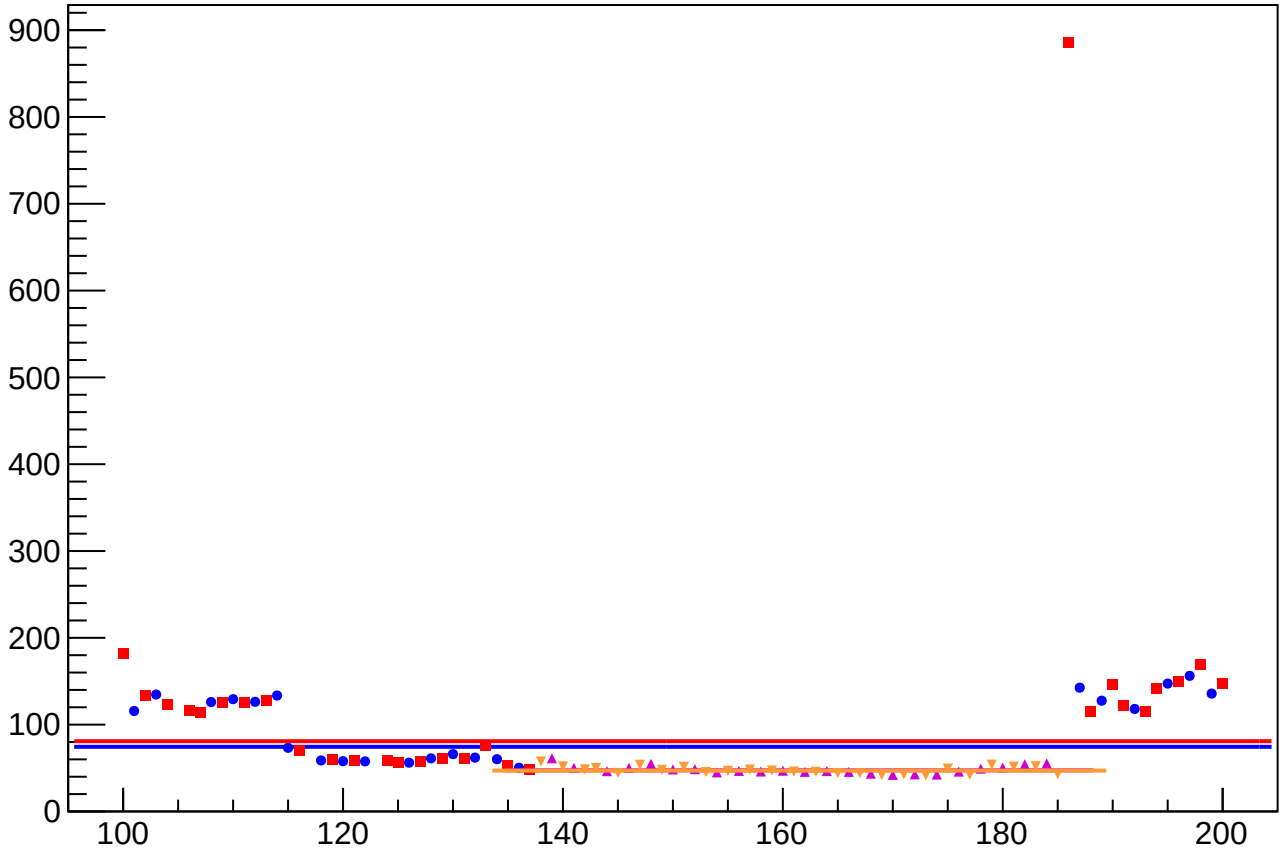
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.976+/-9.826 χ^2/NDF: 53.7/46

All: -13.766+/-7.054 χ^2/NDF: 139.0/97

- sign -43.265+/-10.132 χ^2/NDF: 68.9/50

cor_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

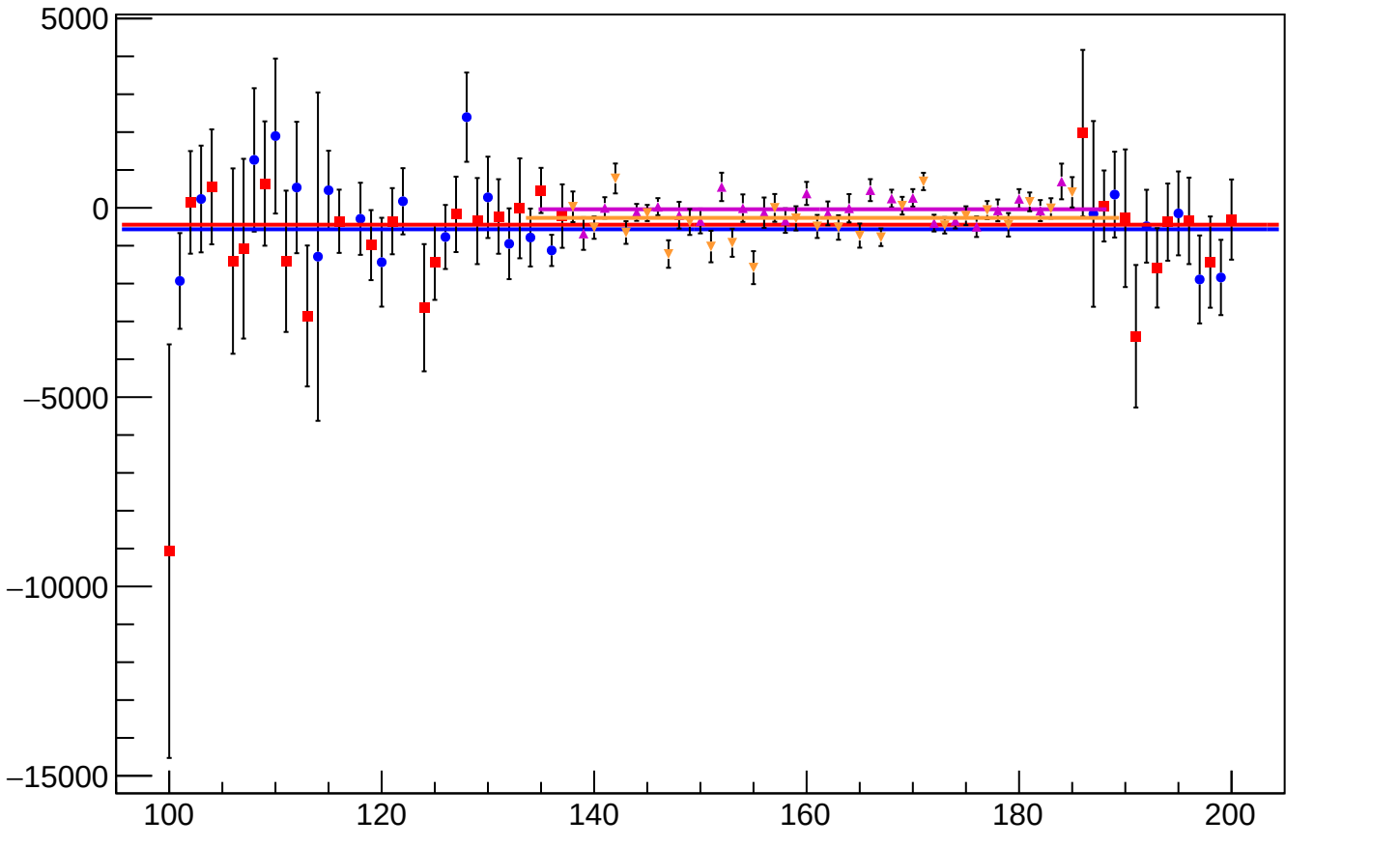
Right Out: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

\+ sign 51.658+/-0.007 χ^2/NDF: 5924348.5/46

All: 52.416+/-0.005 χ^2/NDF: 14065387.6/97

\- sign 53.221+/-0.007 χ^2/NDF: 8116512.8/50



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -445.540+/-216.449 χ^2/NDF: 17.2/27

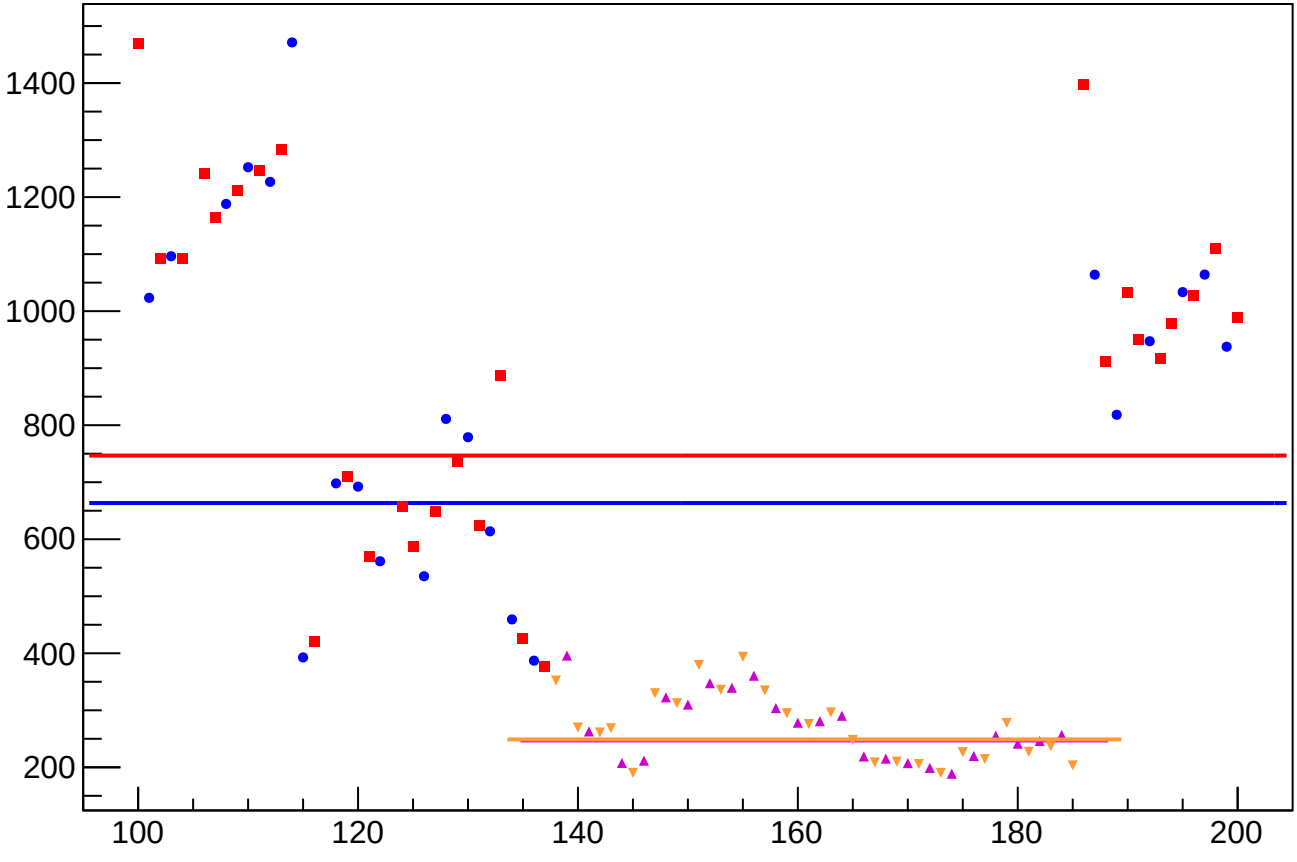
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -286.830+/-55.959 χ^2/NDF: 91.2/46

All: -178.524+/-39.955 χ^2/NDF: 145.9/97

- sign -65.888+/-57.066 χ^2/NDF: 47.1/50

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

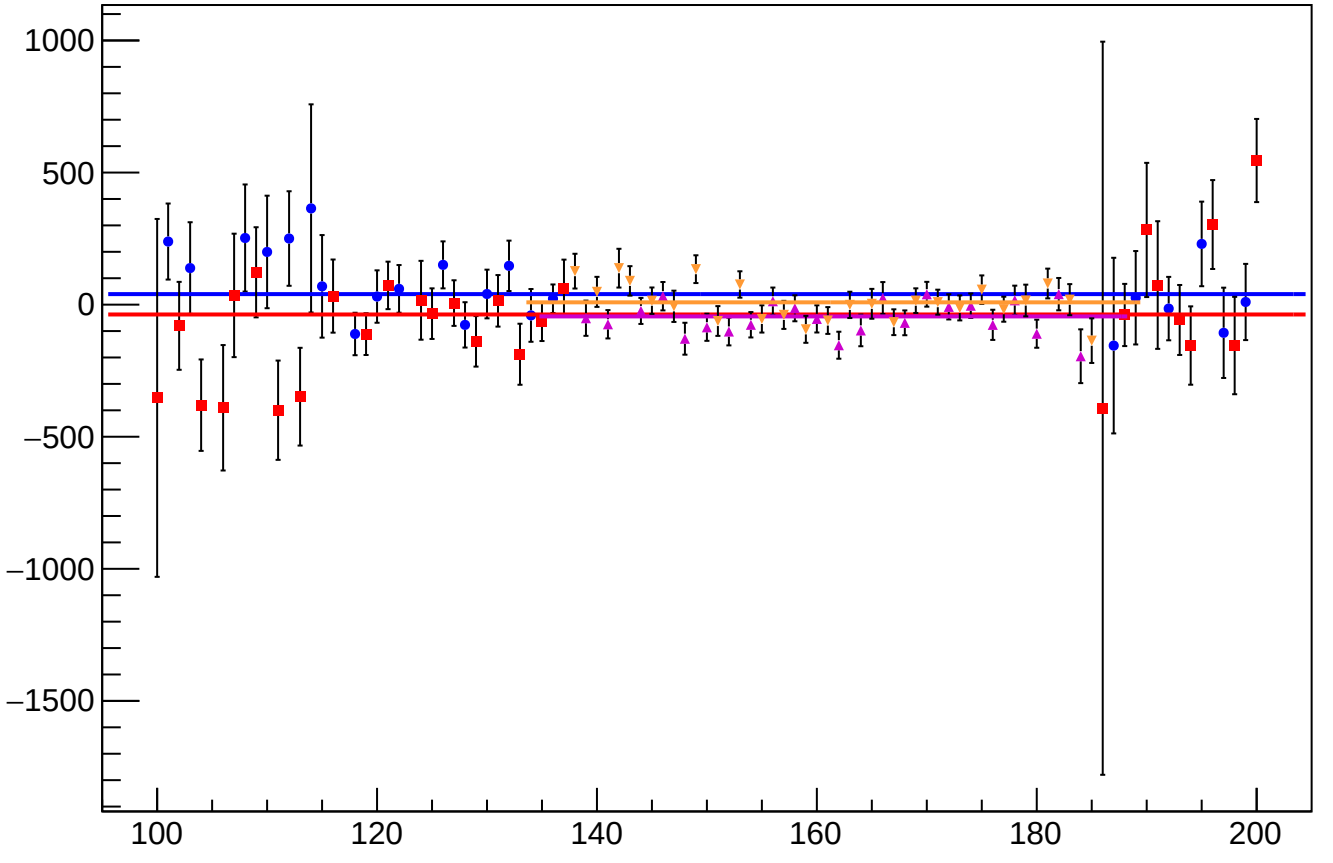
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 277.977+/-0.040 χ^2/NDF: 11966944.5/46

All: 279.870+/-0.028 χ^2/NDF: 26613866.3/97

- sign 281.838+/-0.040 χ^2/NDF: 14642255.4/50

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -37.215+/-24.287 χ^2/NDF: 41.8/27

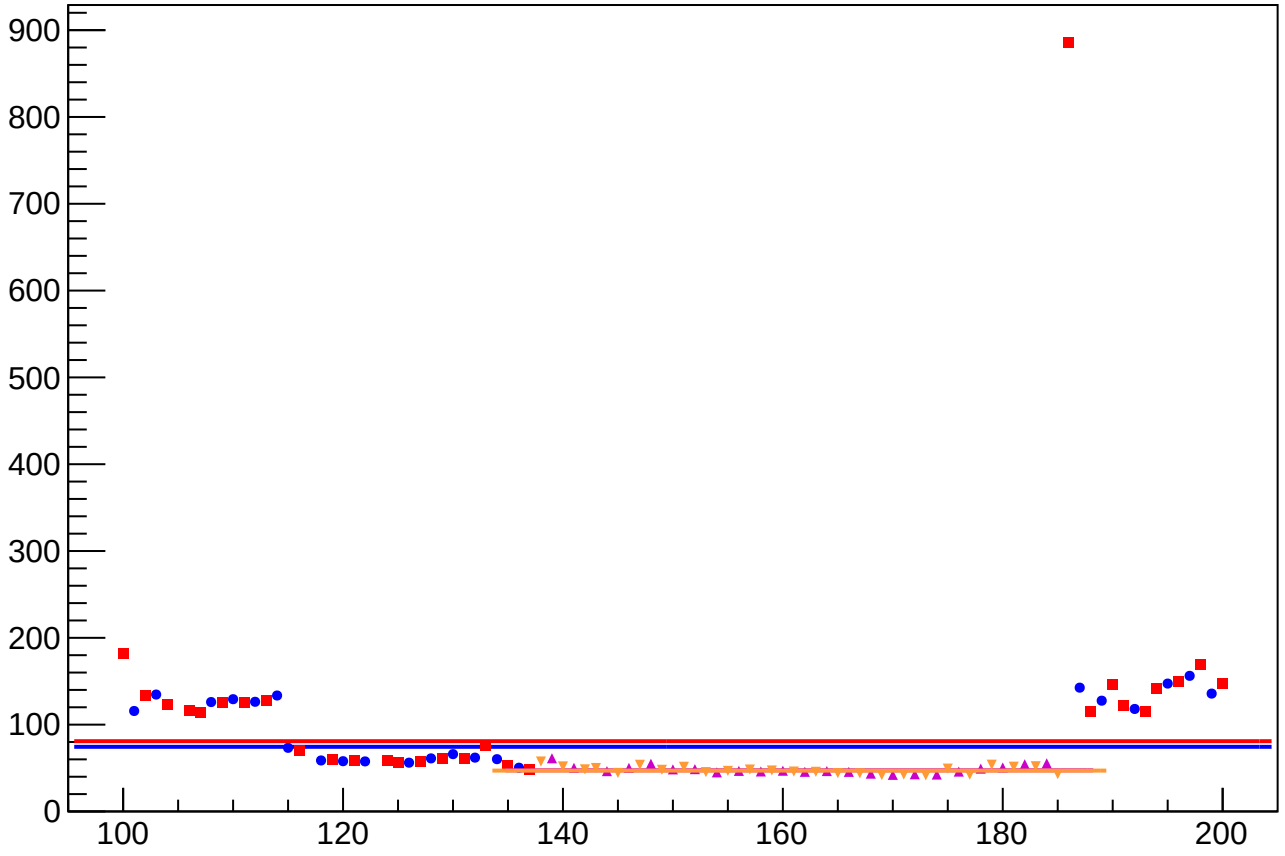
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.976+/-9.826 χ^2/NDF: 53.7/46

All: -13.766+/-7.054 χ^2/NDF: 139.0/97

- sign -43.265+/-10.132 χ^2/NDF: 68.9/50

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

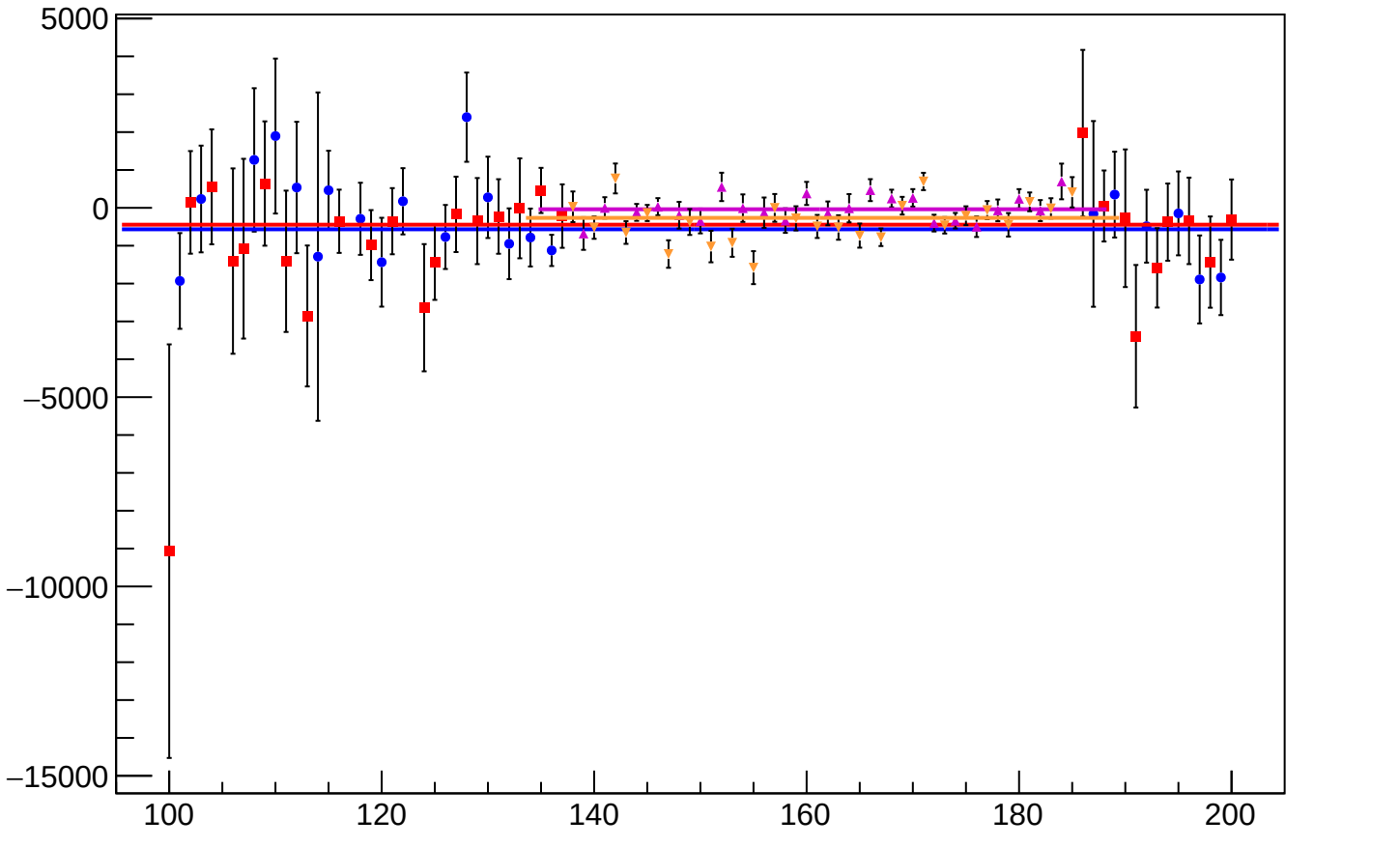
Right Out: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.658+/-0.007 χ^2/NDF: 5924348.5/46

All: 52.416+/-0.005 χ^2/NDF: 14065387.6/97

- sign 53.221+/-0.007 χ^2/NDF: 8116512.8/50



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

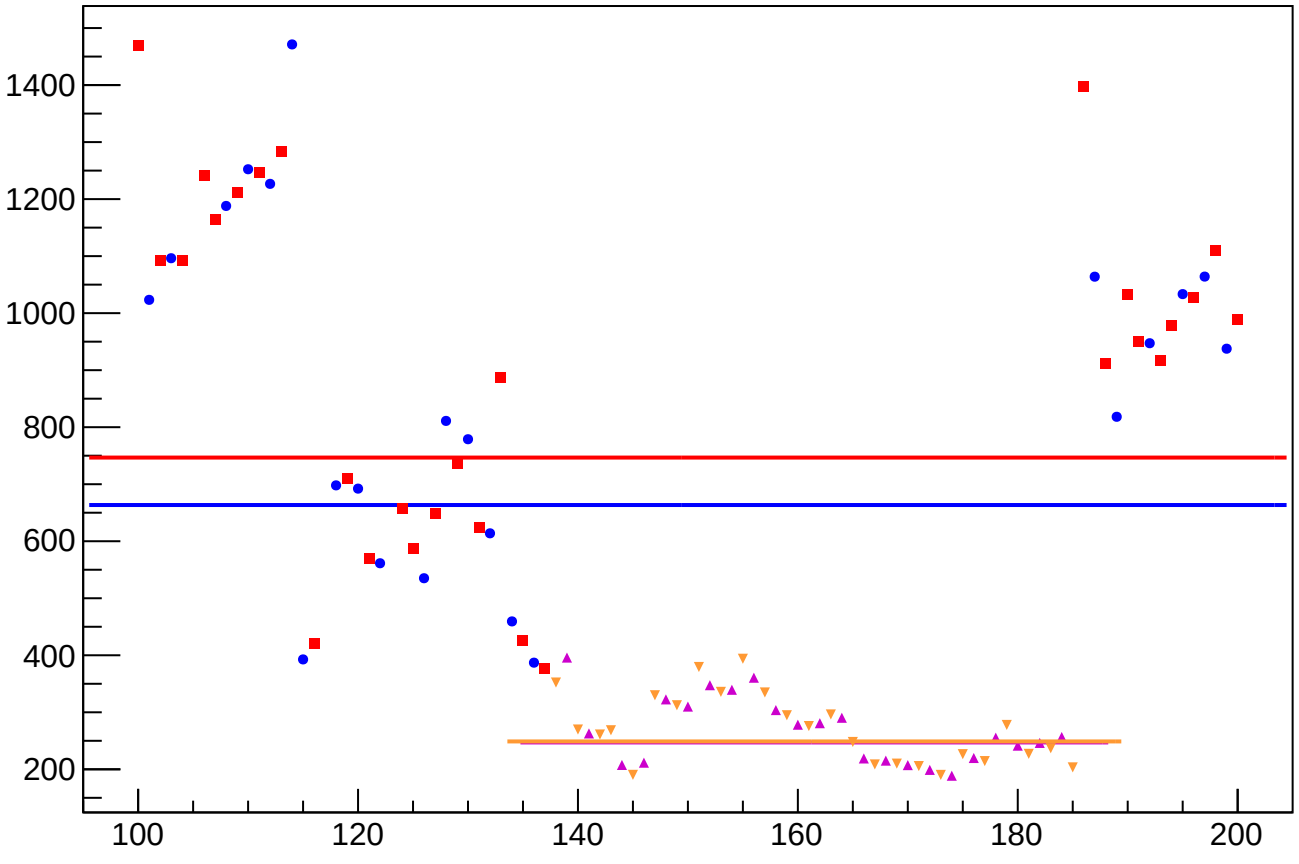
Right Out: -445.540+/-216.449 χ^2/NDF: 17.2/27

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -286.830+/-55.959 χ^2/NDF: 91.2/46

All: -178.524+/-39.955 χ^2/NDF: 145.9/97

- sign -65.888+/-57.066 χ^2/NDF: 47.1/50



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

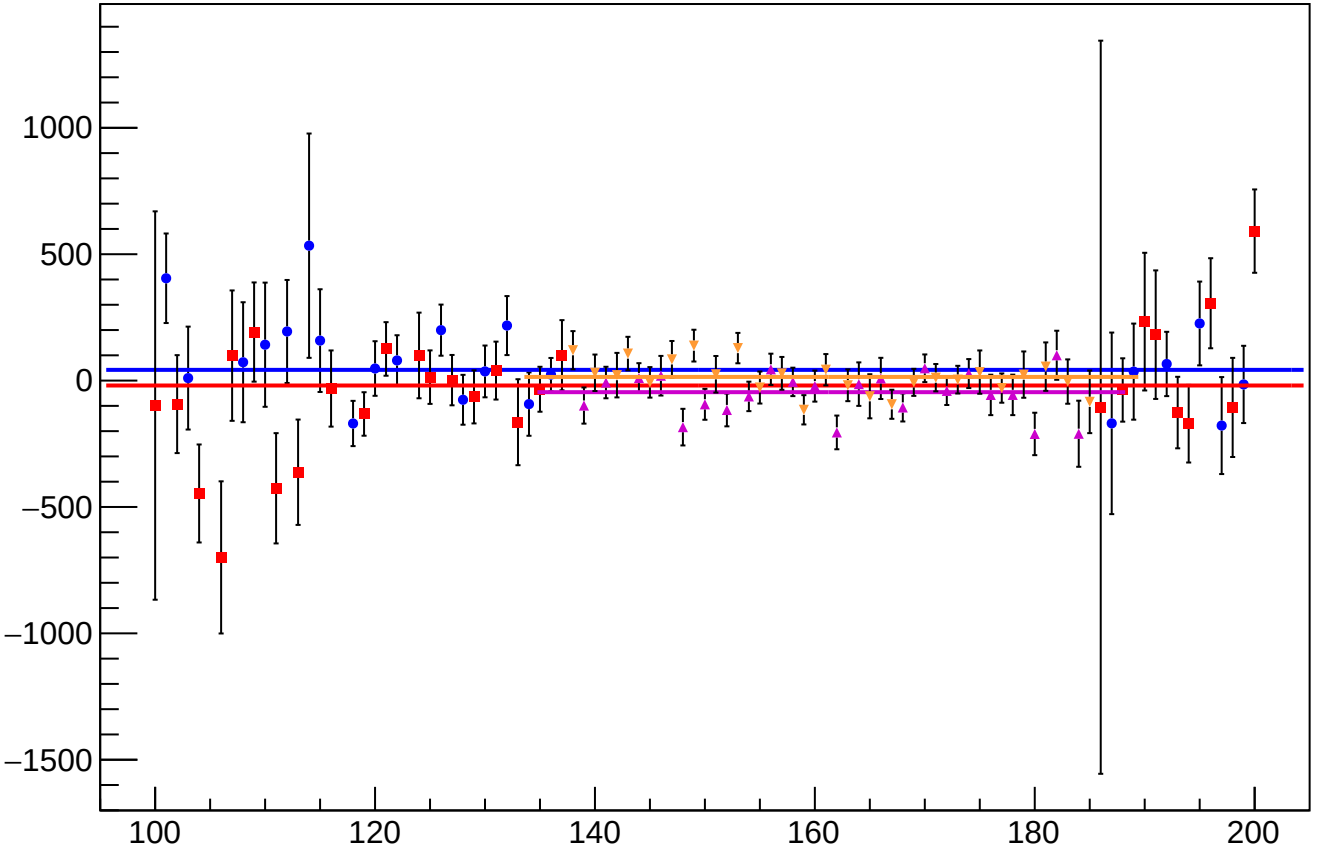
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 277.977+/-0.040 χ^2/NDF: 11966944.5/46

All: 279.870+/-0.028 χ^2/NDF: 26613866.3/97

- sign 281.838+/-0.040 χ^2/NDF: 14642255.4/50

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.451+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -19.413+/-27.694 χ^2/NDF: 44.2/27

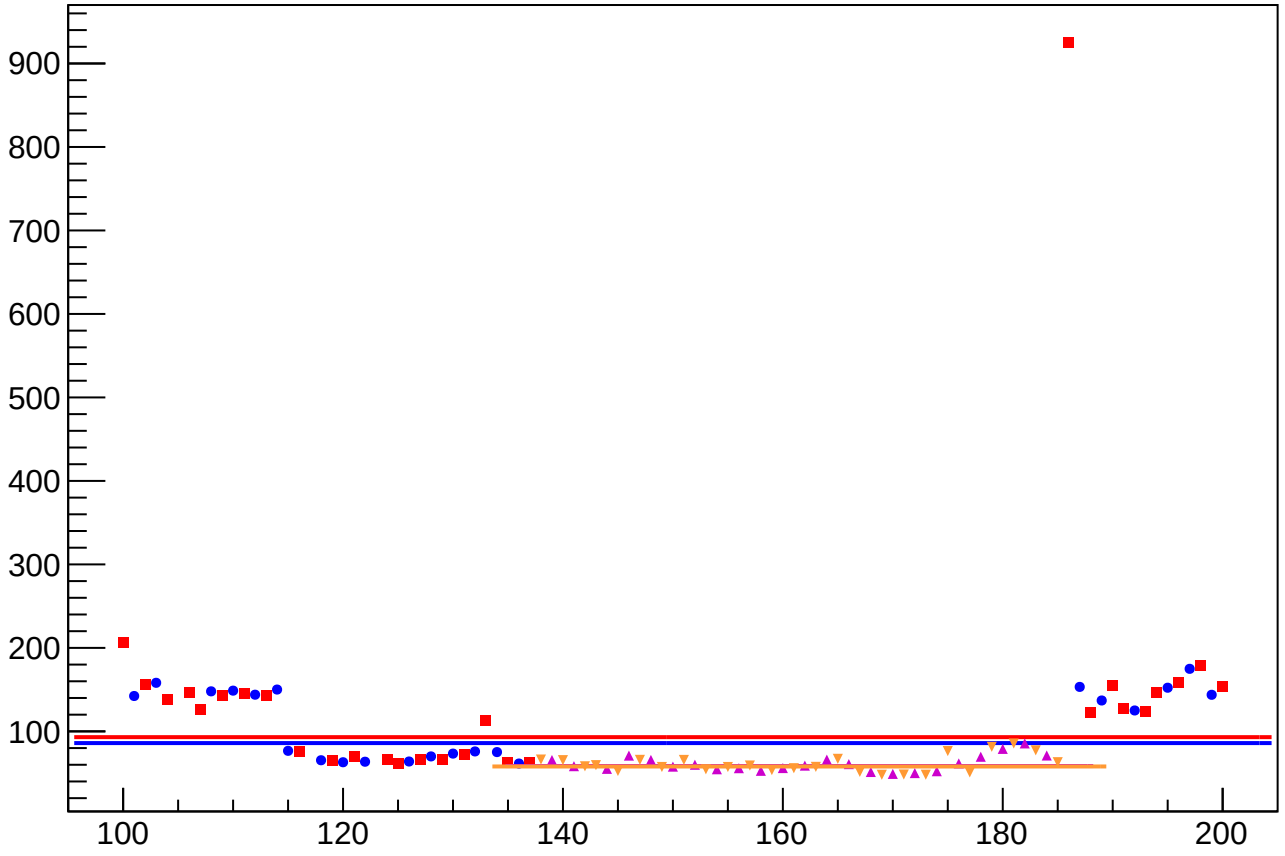
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.894+/-12.086 χ^2/NDF: 48.1/46

All: -9.407+/-8.670 χ^2/NDF: 135.8/97

- sign -40.476+/-12.445 χ^2/NDF: 75.6/50

dit_asym_sam_1526_avg_rms vs Slug



Right In: 85.970+/-0.019 χ^2/NDF: 3148024.0/21

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

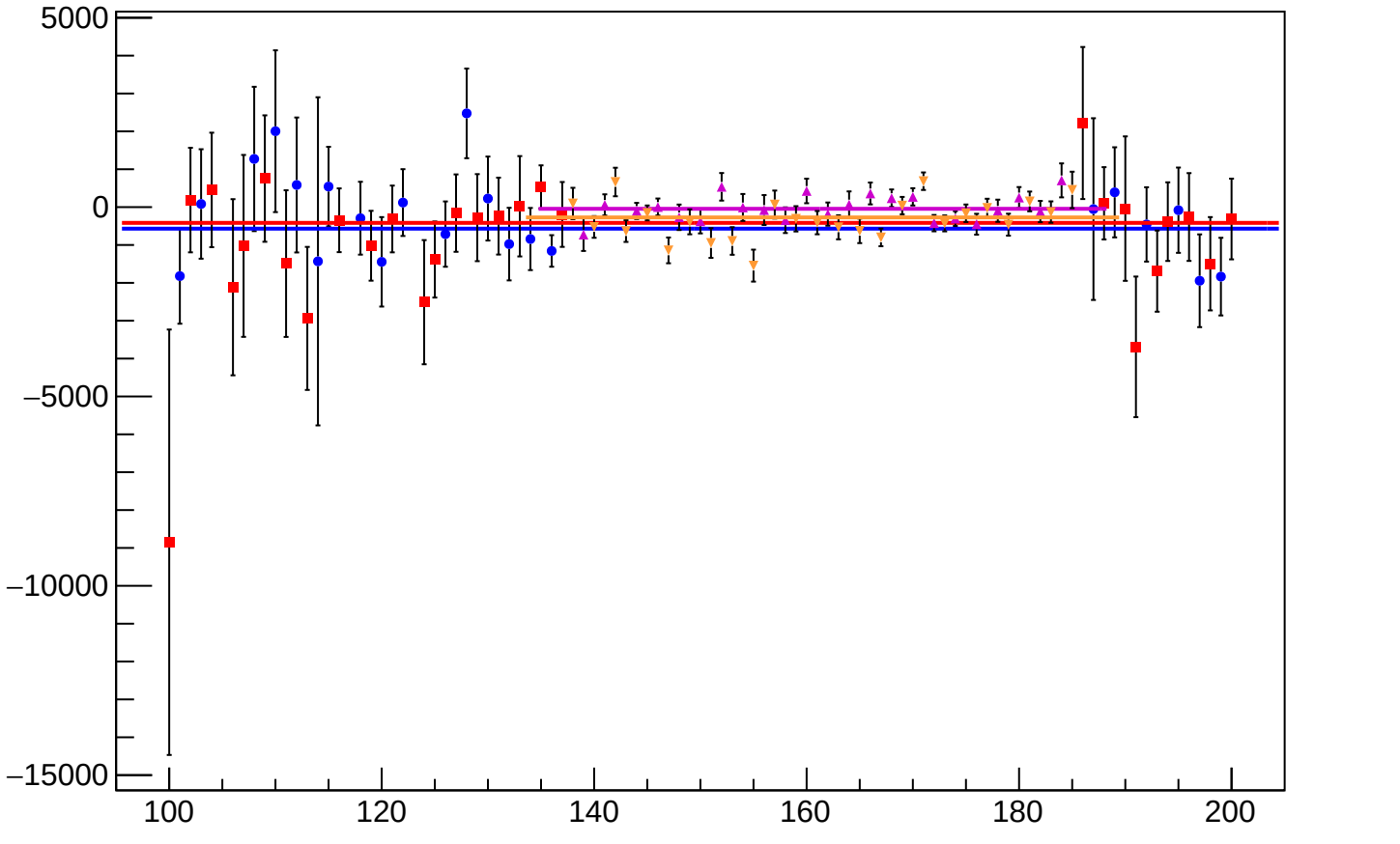
Right Out: 93.074+/-0.020 χ^2/NDF: 4231418.9/27

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 63.371+/-0.009 χ^2/NDF: 5717744.3/46

All: 64.388+/-0.006 χ^2/NDF: 13118991.9/97

- sign 65.466+/-0.009 χ^2/NDF: 7372103.4/50



Right In: -568.922+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -416.307+/-217.290 χ^2/NDF: 19.4/27

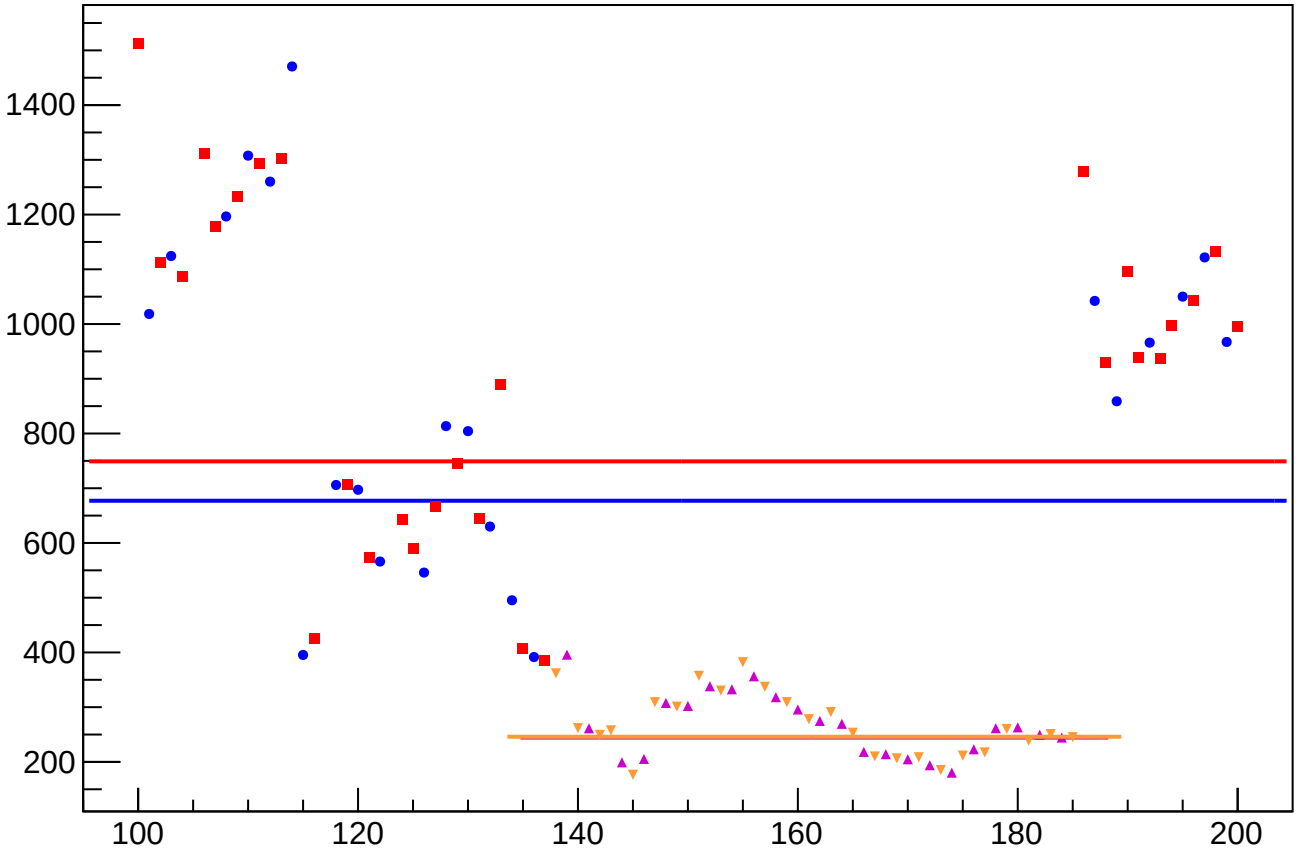
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -292.039+/-55.356 χ^2/NDF: 87.1/46

All: -183.358+/-39.572 χ^2/NDF: 143.5/97

- sign -69.769+/-56.591 χ^2/NDF: 48.6/50

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 677.146+/-0.153 χ^2/NDF: 3172091.4/21

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 749.082+/-0.154 χ^2/NDF: 3429639.1/27

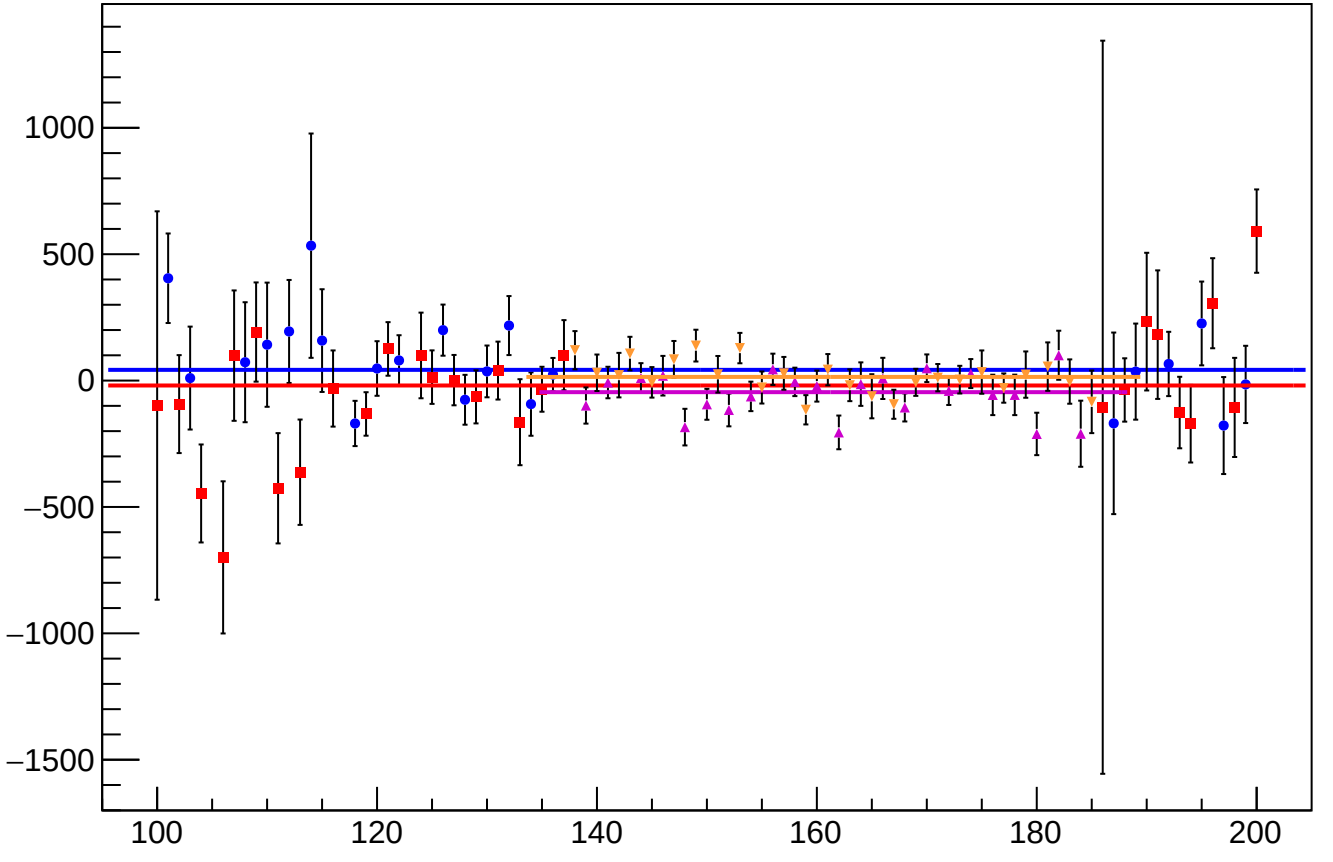
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

\+ sign 274.417+/-0.039 χ^2/NDF: 12317855.5/46

All: 276.501+/-0.028 χ^2/NDF: 27405582.6/97

\- sign 278.679+/-0.040 χ^2/NDF: 15081928.8/50

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.452+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -19.413+/-27.693 χ^2/NDF: 44.2/27

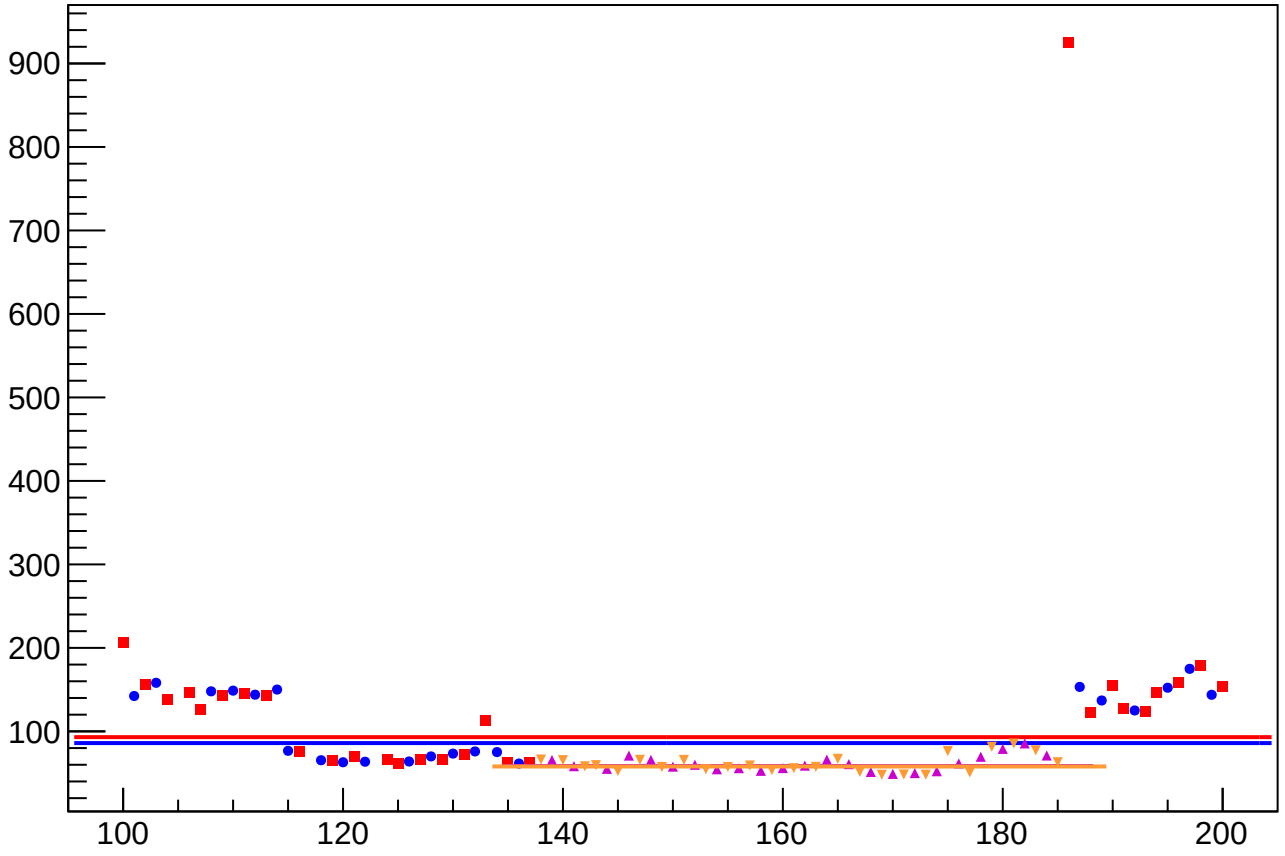
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.894+/-12.086 χ^2/NDF: 48.1/46

All: -9.407+/-8.670 χ^2/NDF: 135.8/97

- sign -40.475+/-12.445 χ^2/NDF: 75.6/50

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 85.970+/-0.019 χ^2/NDF: 3148022.4/21

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

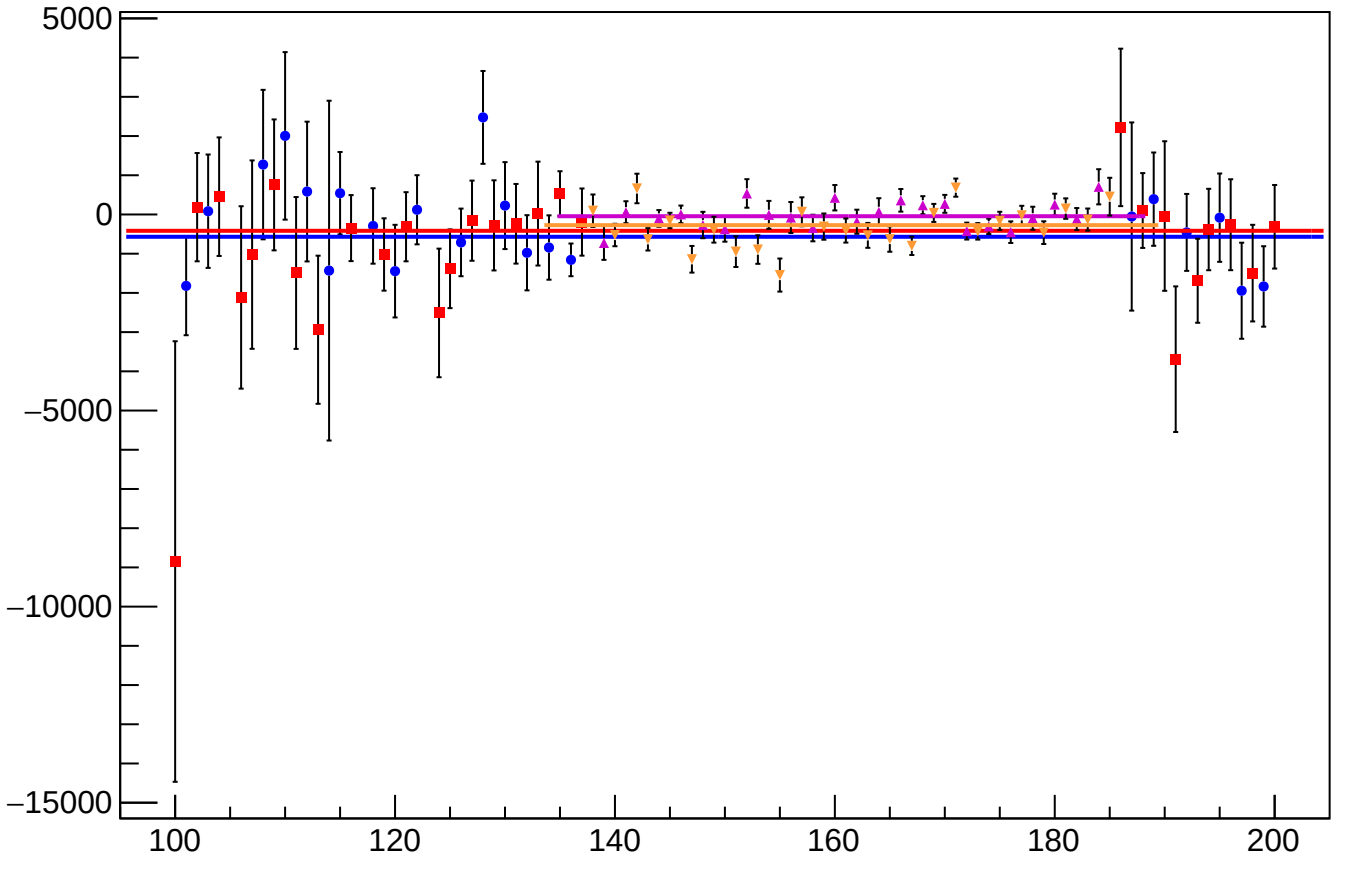
Right Out: 93.074+/-0.020 χ^2/NDF: 4231427.6/27

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 63.372+/-0.009 χ^2/NDF: 5717705.5/46

All: 64.388+/-0.006 χ^2/NDF: 13118895.9/97

- sign 65.466+/-0.009 χ^2/NDF: 7372044.2/50



Right In: -568.920+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

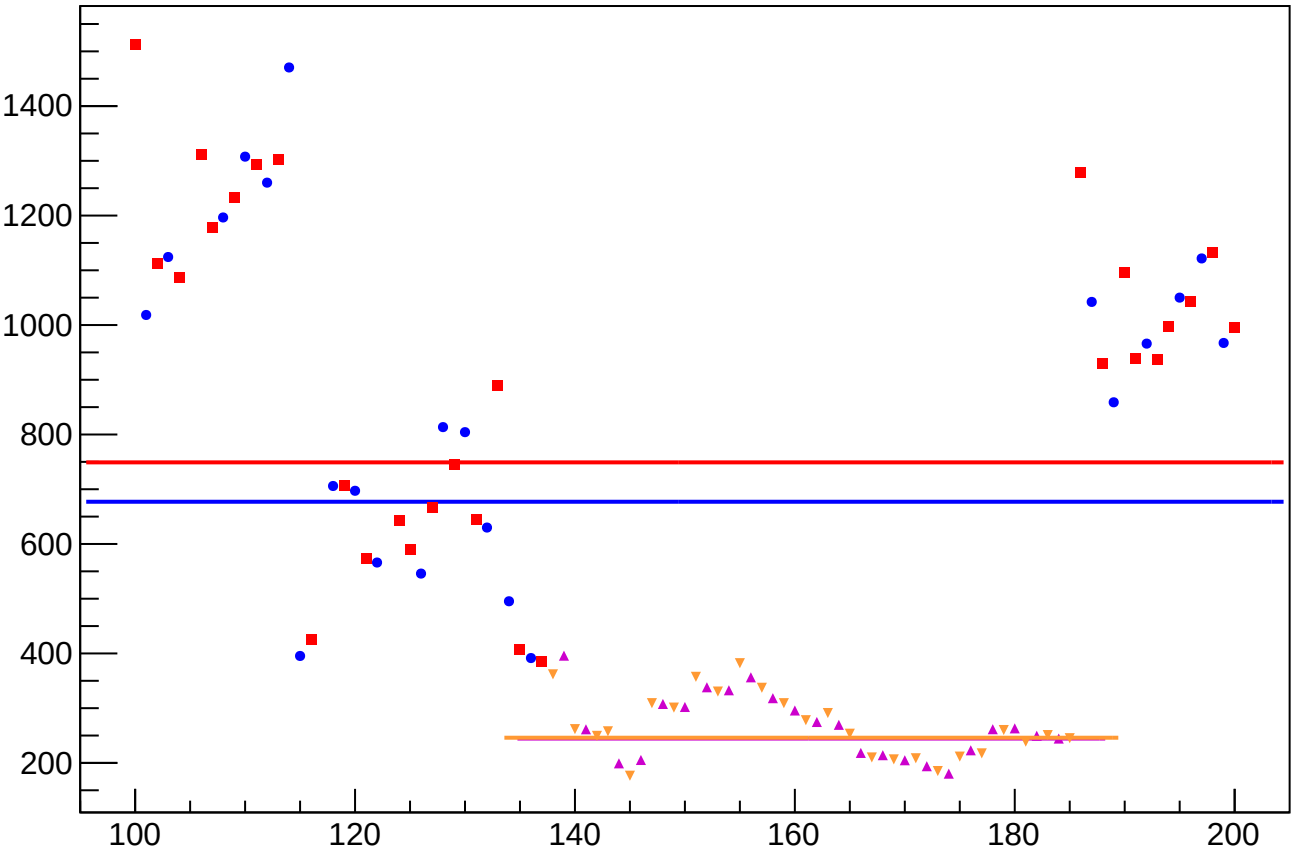
Right Out: -416.307+/-217.290 χ^2/NDF: 19.4/27

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -292.038+/-55.355 χ^2/NDF: 87.1/46

All: -183.357+/-39.572 χ^2/NDF: 143.5/97

- sign -69.768+/-56.591 χ^2/NDF: 48.6/50



Right In: 677.145+/-0.153 χ^2/NDF: 3172075.2/21

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 749.081+/-0.154 χ^2/NDF: 3429622.7/27

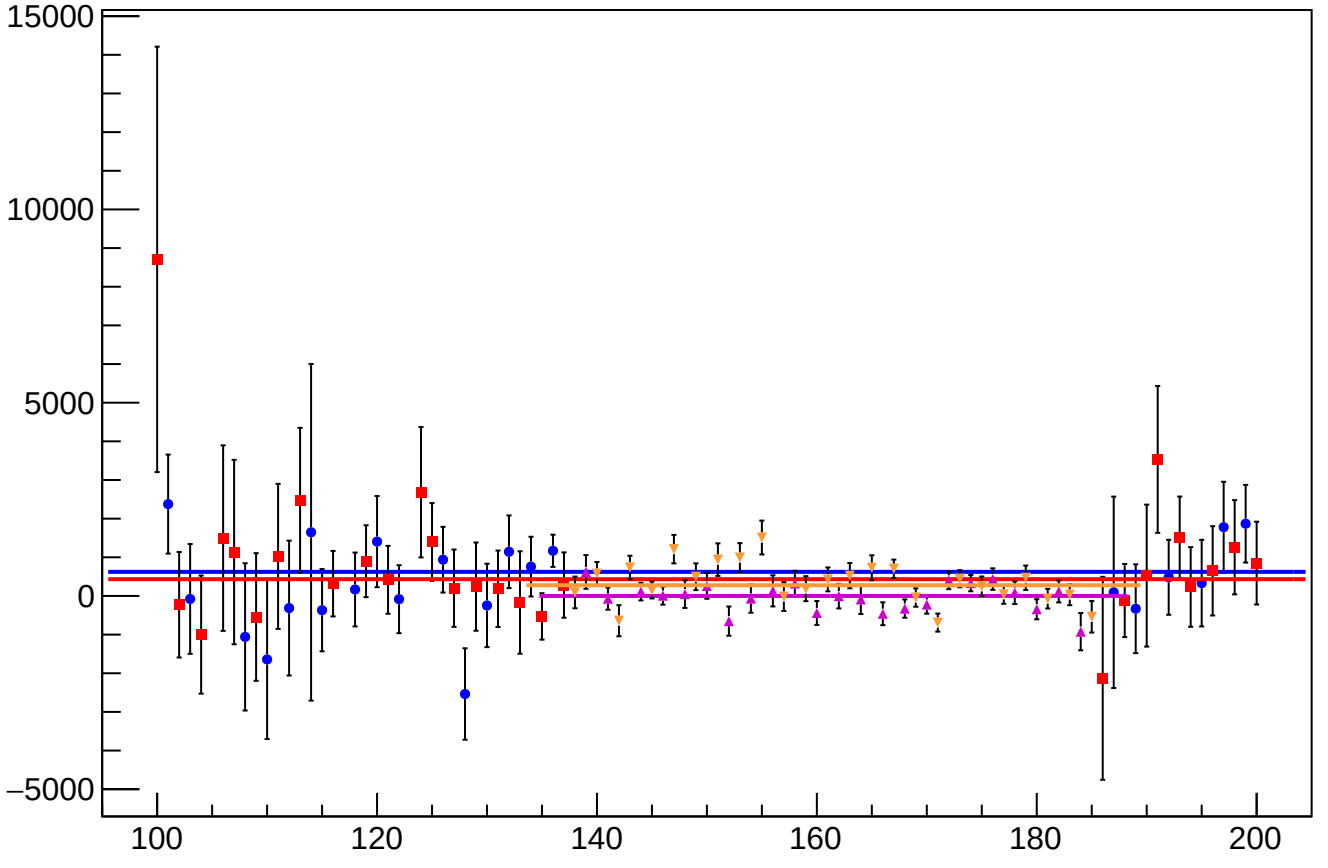
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 274.416+/-0.039 χ^2/NDF: 12317853.8/46

All: 276.501+/-0.028 χ^2/NDF: 27405563.8/97

- sign 278.679+/-0.040 χ^2/NDF: 15081911.1/50

asym_sam_1526_avg_mean vs Slug



Right In: 623.593+/-213.129 χ^2/NDF: 19.9/21

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 433.947+/-218.409 χ^2/NDF: 16.9/27

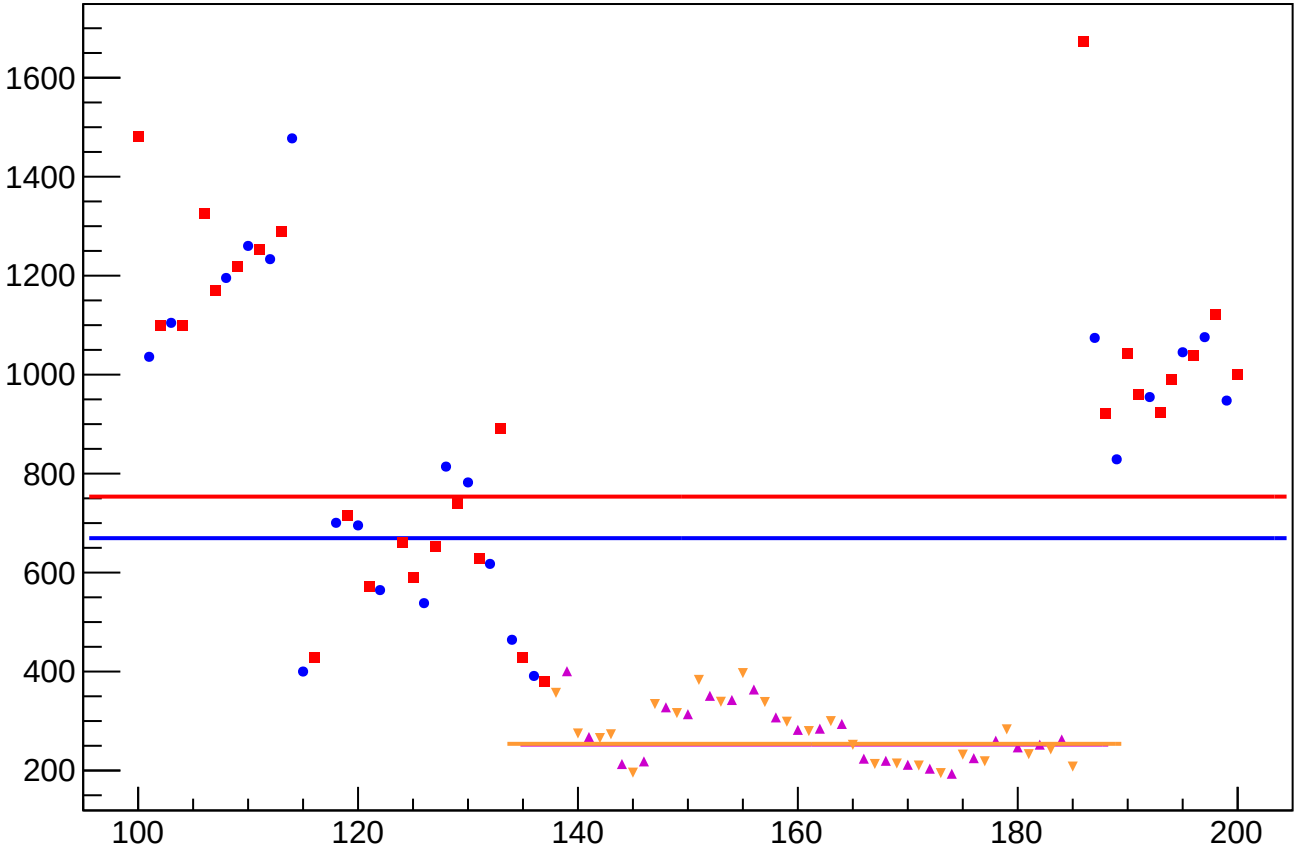
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 301.857+/-56.994 χ^2/NDF: 86.5/46

All: 169.355+/-40.712 χ^2/NDF: 146.2/97

- sign 31.304+/-58.176 χ^2/NDF: 48.7/50

asym_sam_1526_avg_rms vs Slug



Right In: 669.554+/-0.151 χ^2/NDF: 3128526.5/21

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

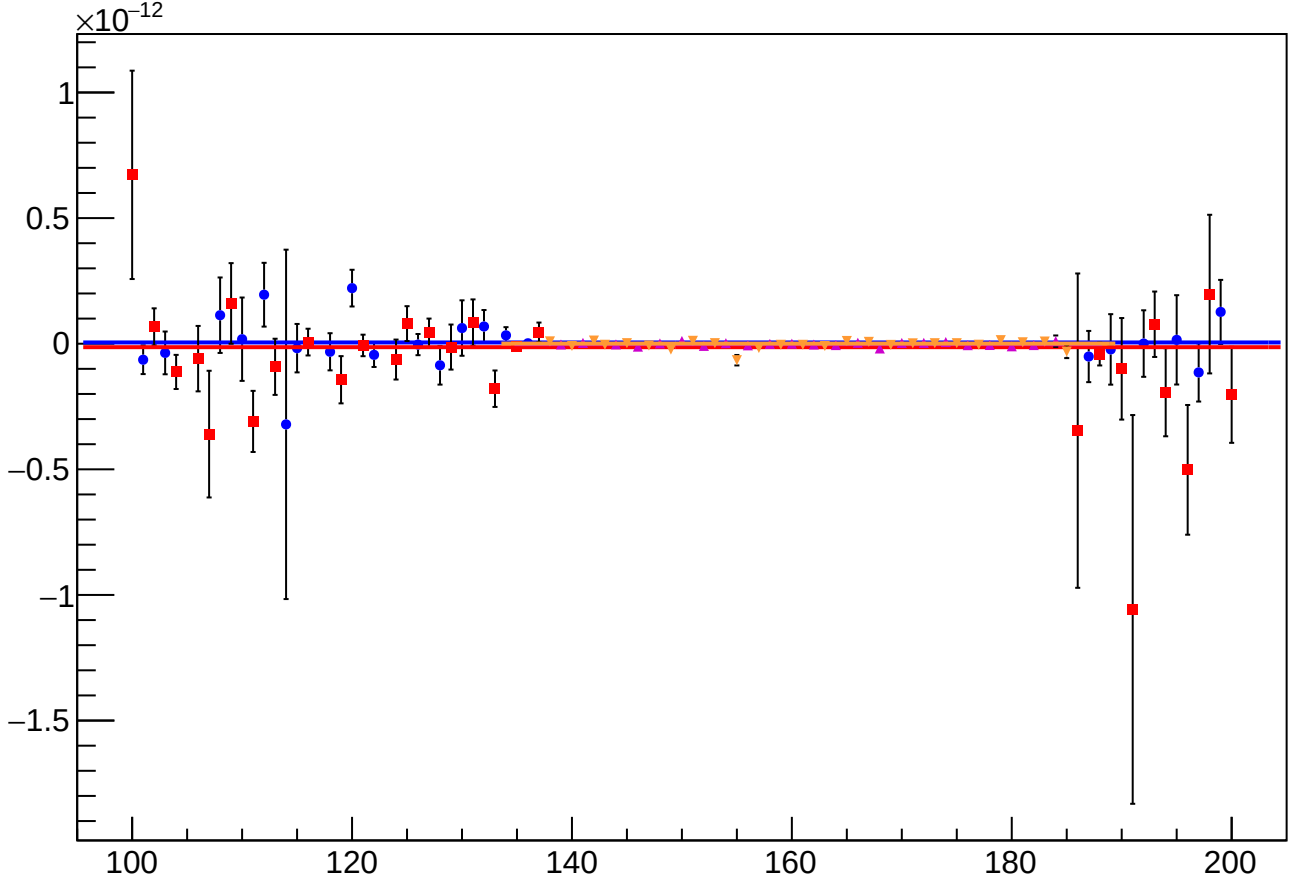
Right Out: 753.515+/-0.154 χ^2/NDF: 3345375.1/27

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 283.674+/-0.040 χ^2/NDF: 11780392.8/46

All: 285.765+/-0.029 χ^2/NDF: 26325288.0/97

- sign 287.944+/-0.041 χ^2/NDF: 14539397.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/27

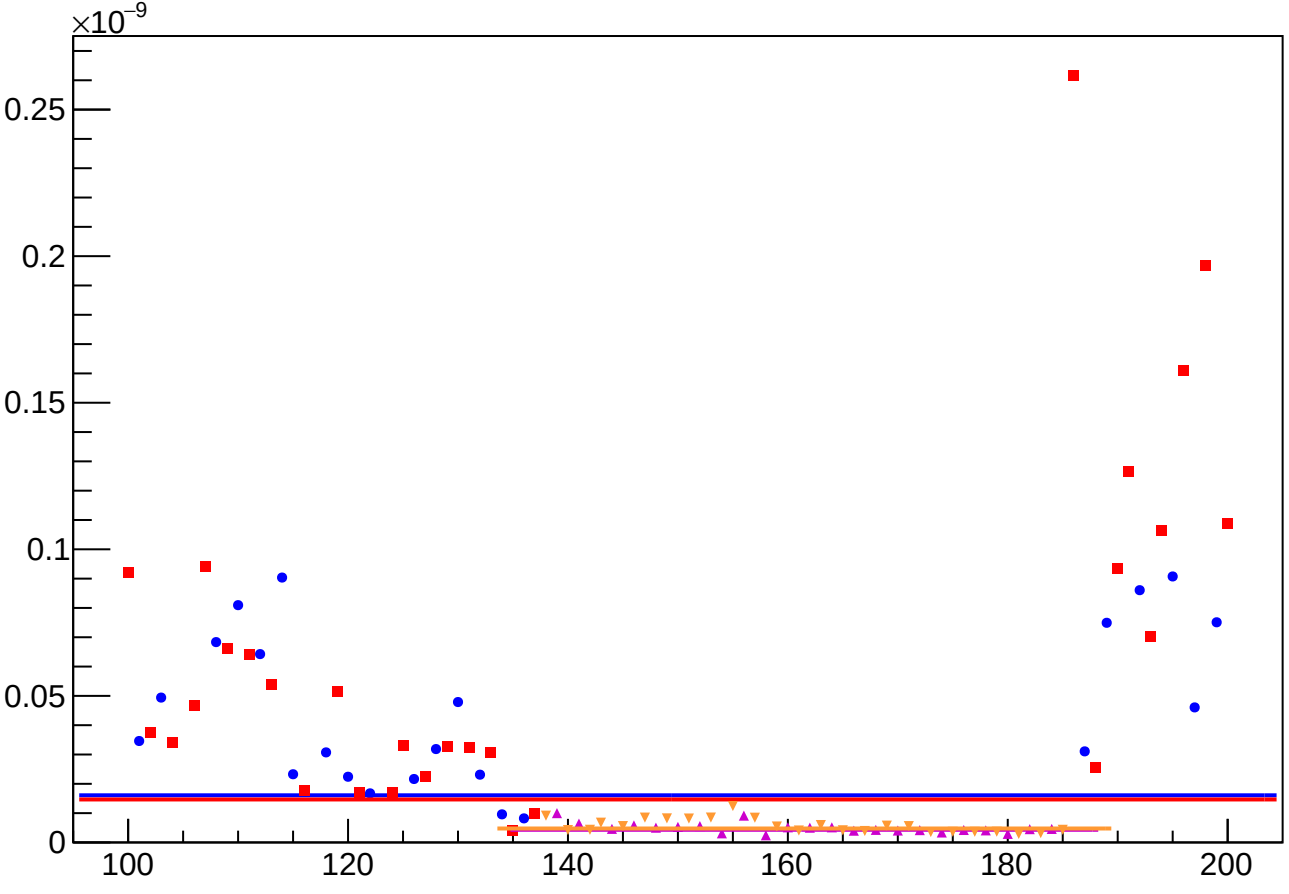
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/46

All: -0.000+/-0.000 χ^2/NDF: 102.8/97

- sign -0.000+/-0.000 χ^2/NDF: 54.1/50

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4423512.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7047984.4/27

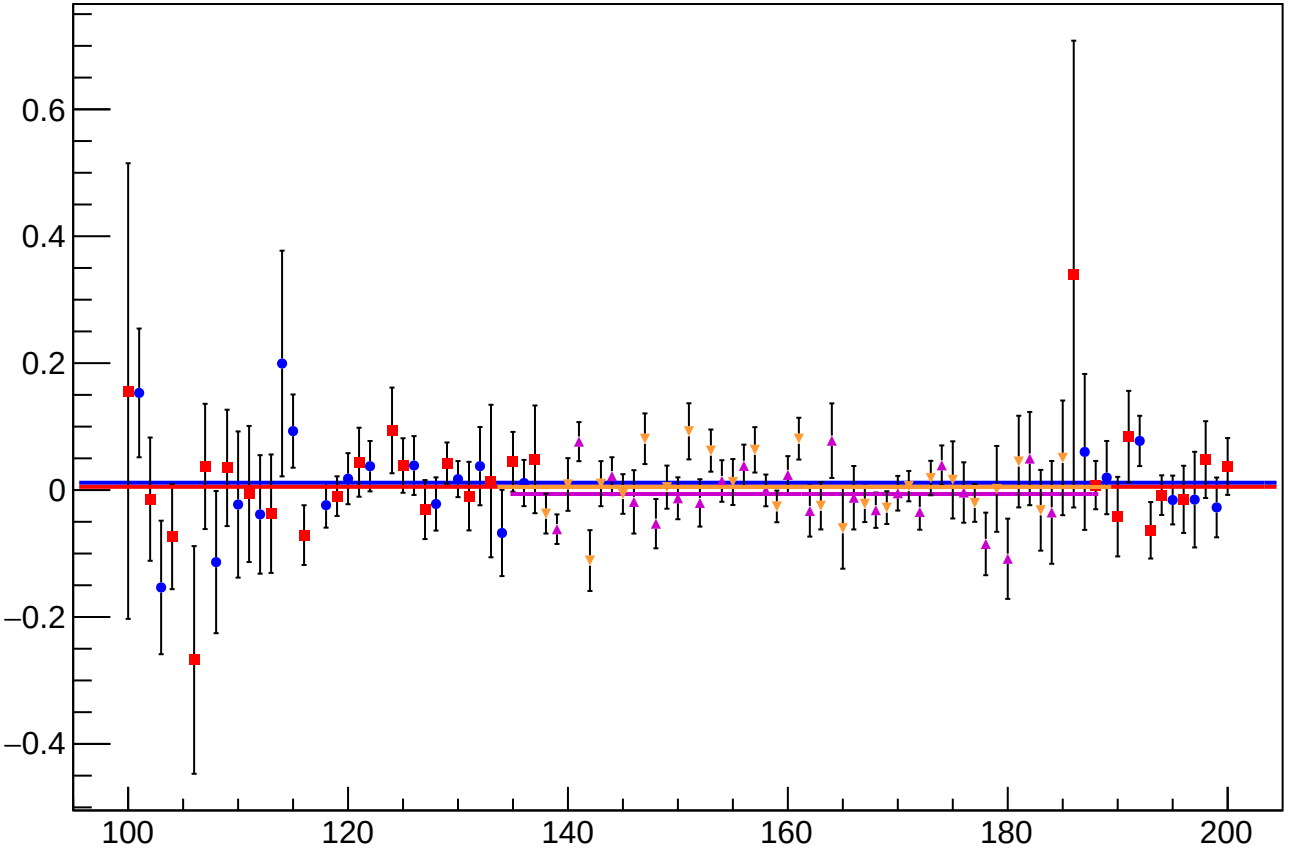
Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8367735.3/46

All: 0.000+/-0.000 χ^2/NDF: 18466052.3/97

- sign 0.000+/-0.000 χ^2/NDF: 10031050.5/50

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

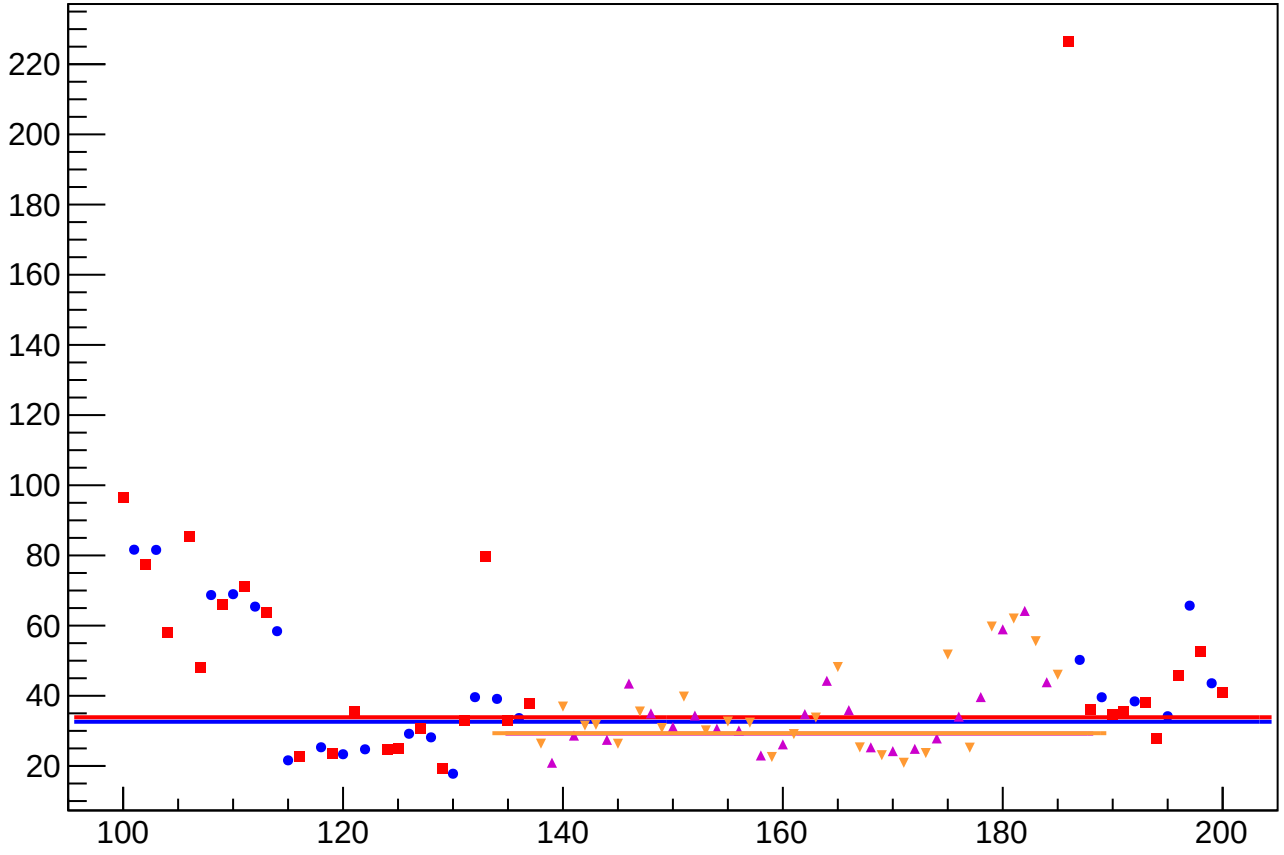
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 103.5/97

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

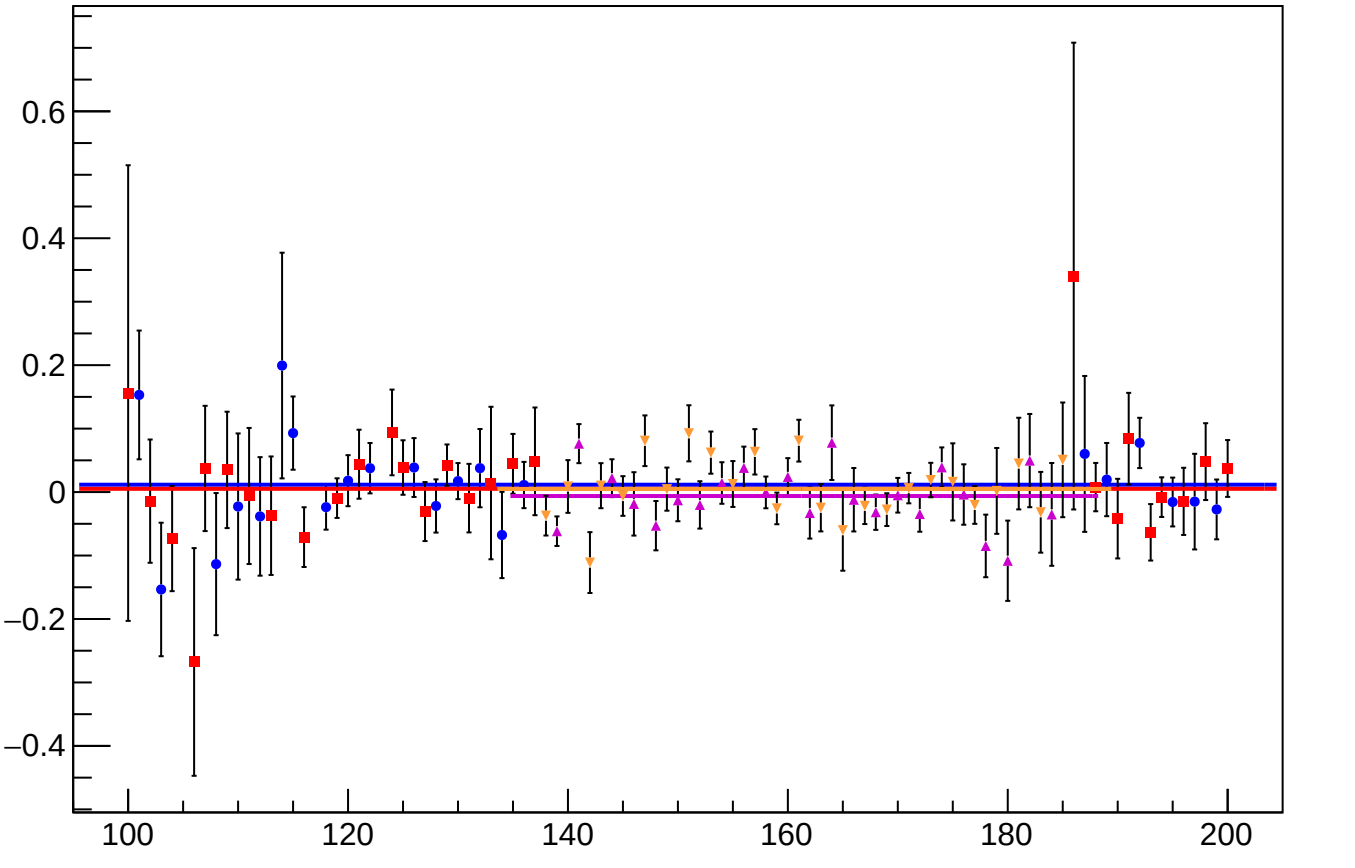
Right Out: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.329+/-0.004 χ^2/NDF: 5985957.4/46

All: 30.555+/-0.003 χ^2/NDF: 12062263.6/97

- sign 30.781+/-0.004 χ^2/NDF: 6070487.9/50



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

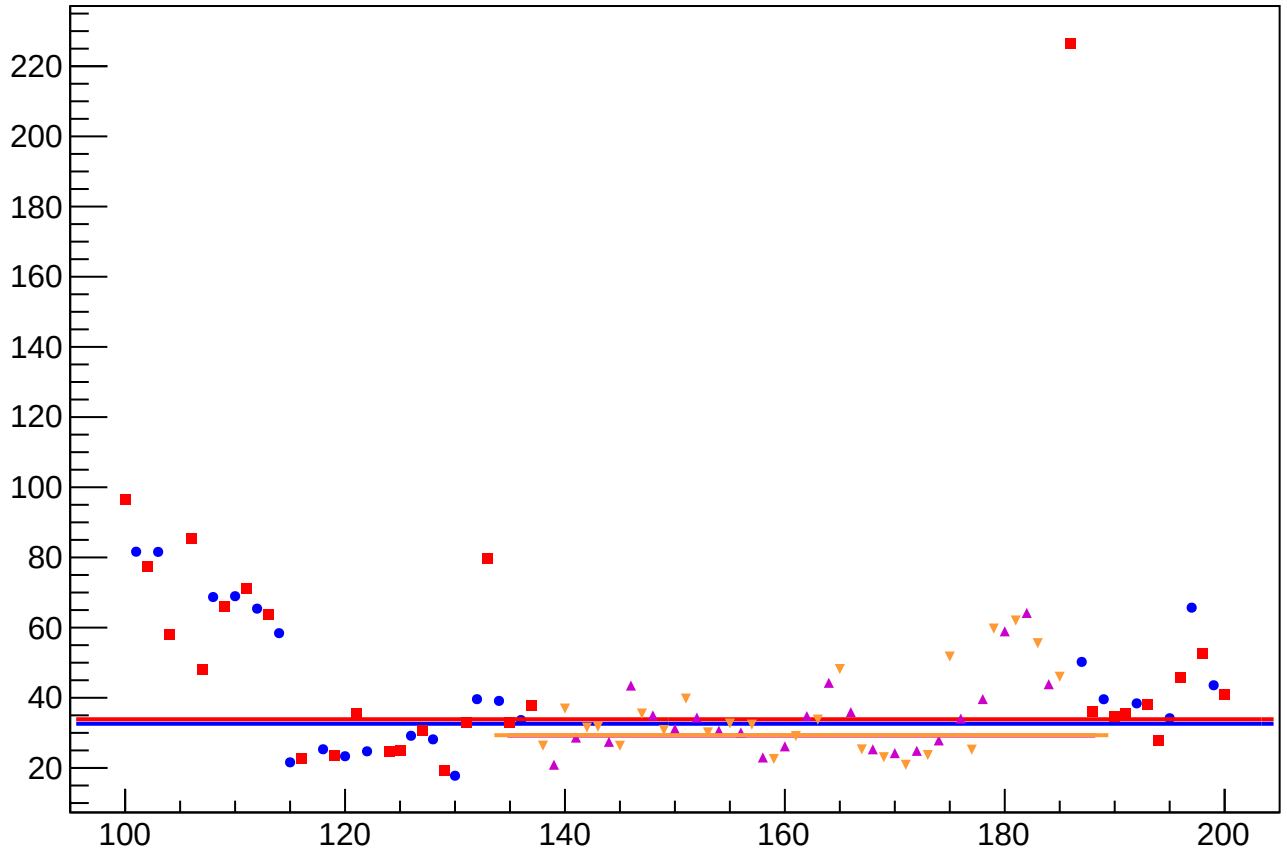
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 103.5/97

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

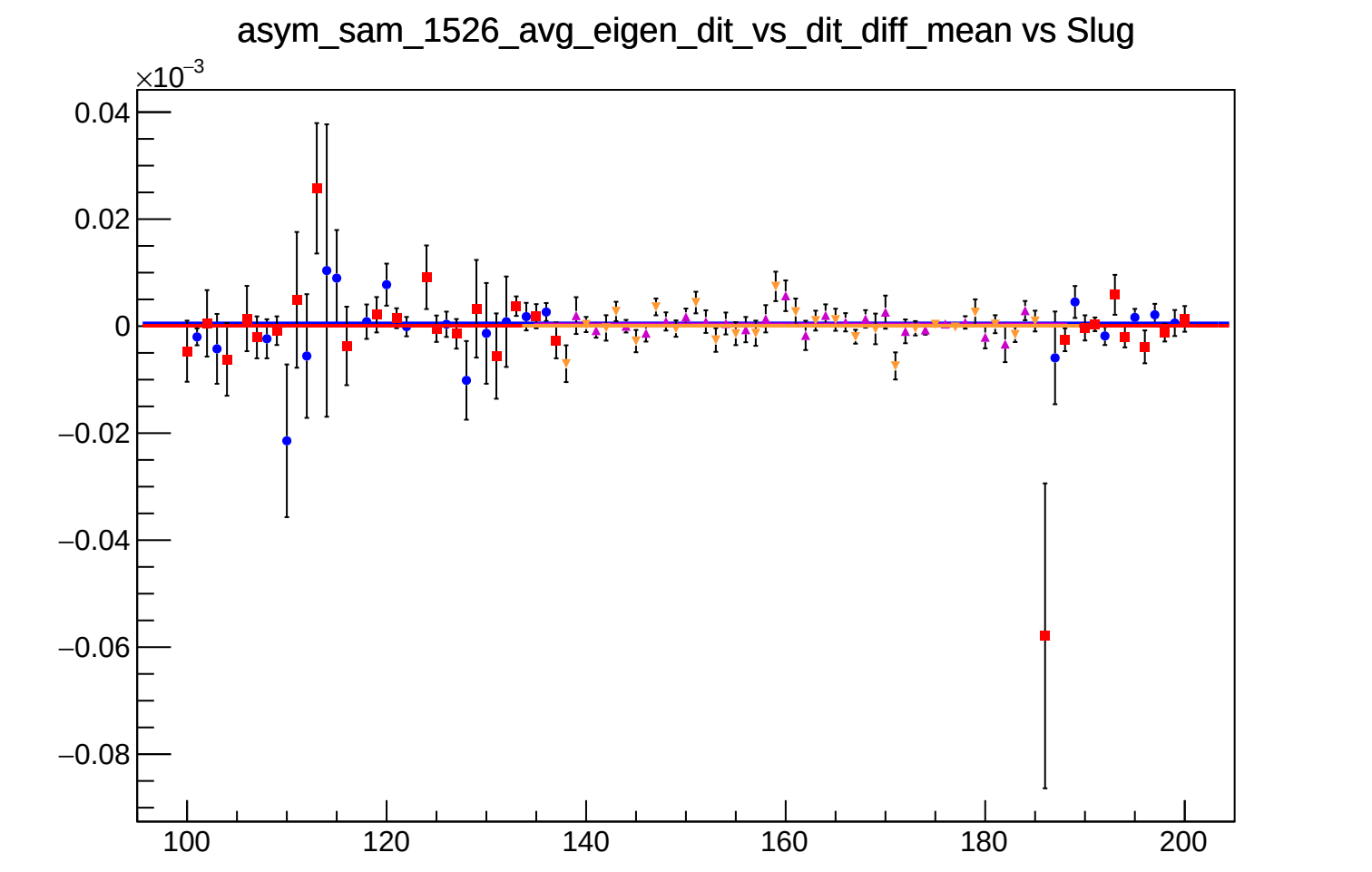
Right Out: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.329+/-0.004 χ^2/NDF: 5985957.4/46

All: 30.555+/-0.003 χ^2/NDF: 12062263.6/97

- sign 30.781+/-0.004 χ^2/NDF: 6070487.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

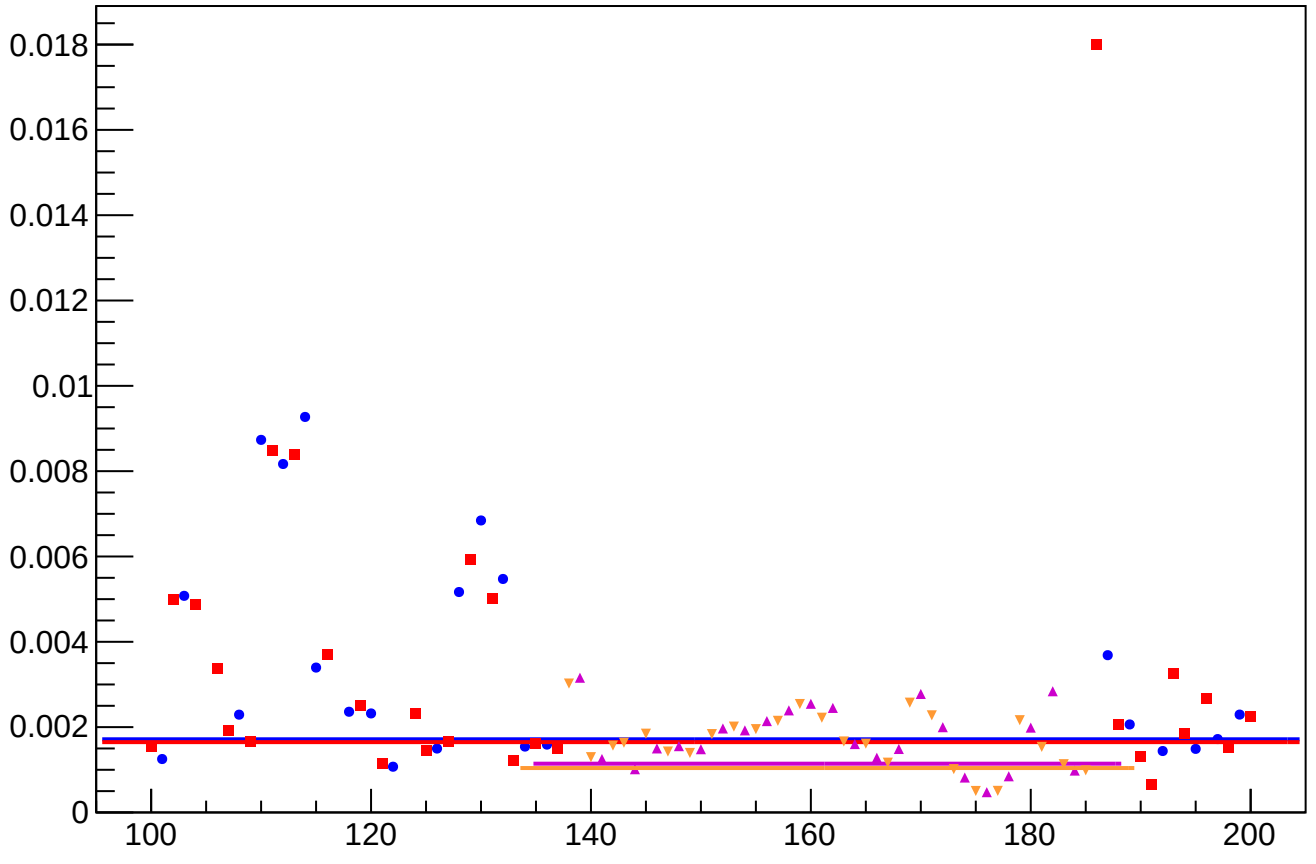
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/27

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.5/46

All: 0.000+/-0.000 χ^2/NDF: 108.4/97

- sign 0.000+/-0.000 χ^2/NDF: 43.9/50



Right In: 0.002+/-0.000 χ^2/NDF: 4268799.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

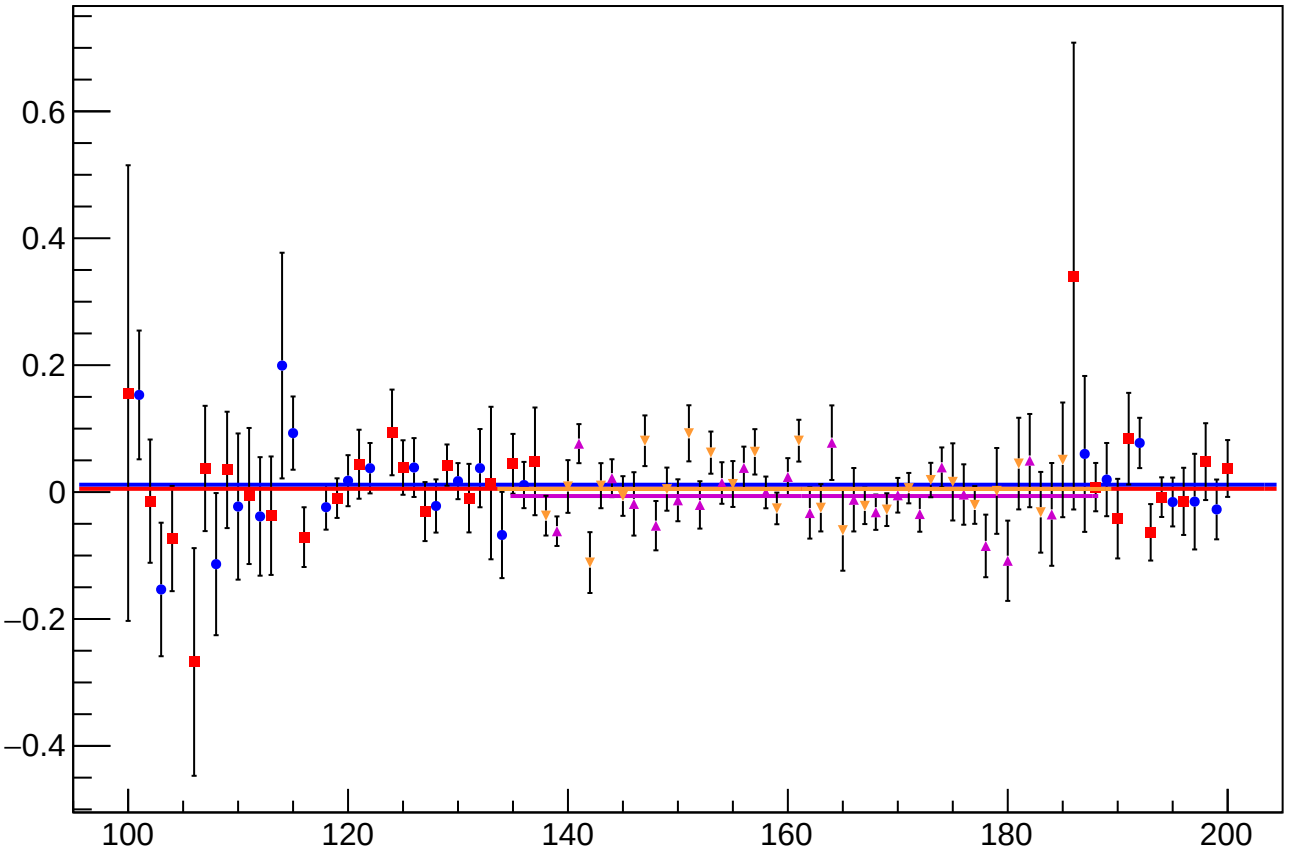
Right Out: 0.002+/-0.000 χ^2/NDF: 6541421.0/27

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16301398.9/46

All: 0.001+/-0.000 χ^2/NDF: 32679628.4/97

- sign 0.001+/-0.000 χ^2/NDF: 16210184.6/50



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

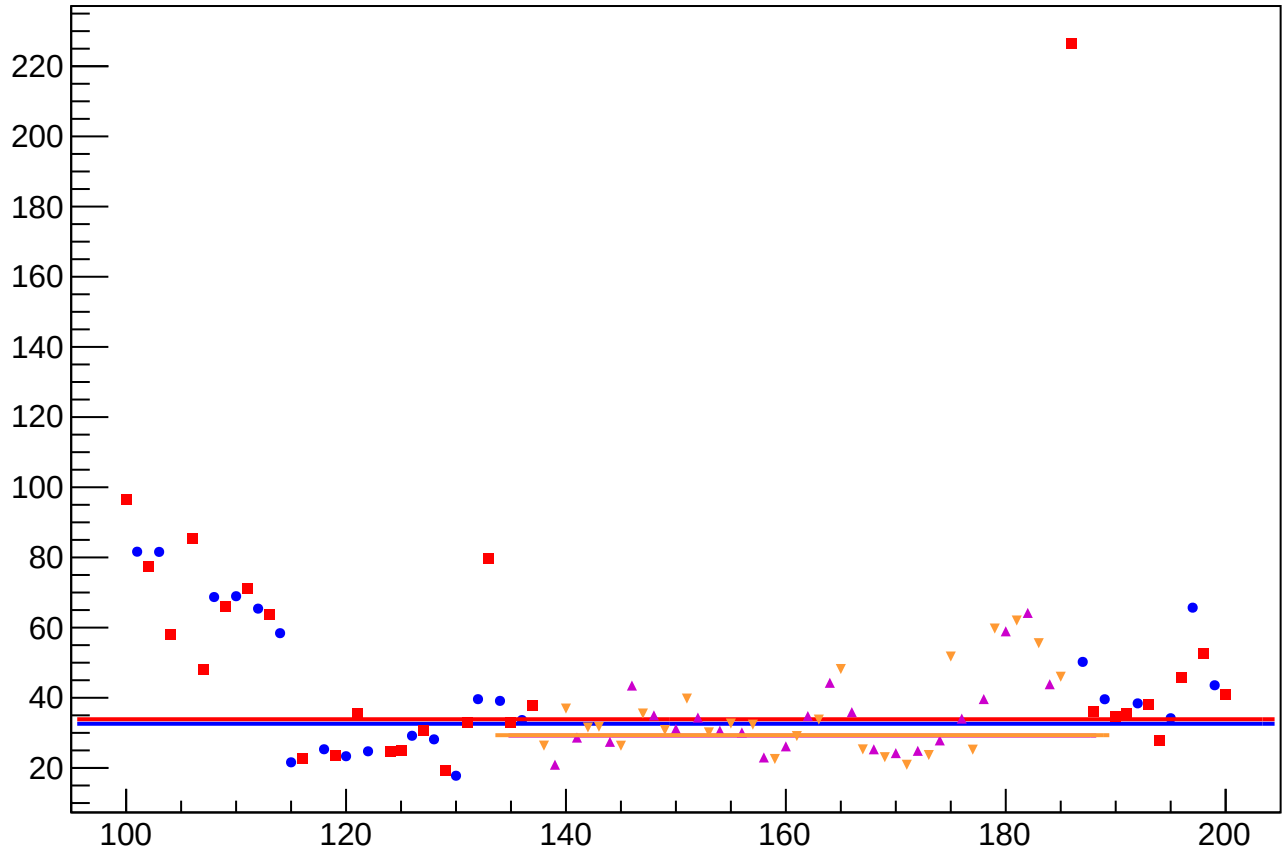
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 103.5/97

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

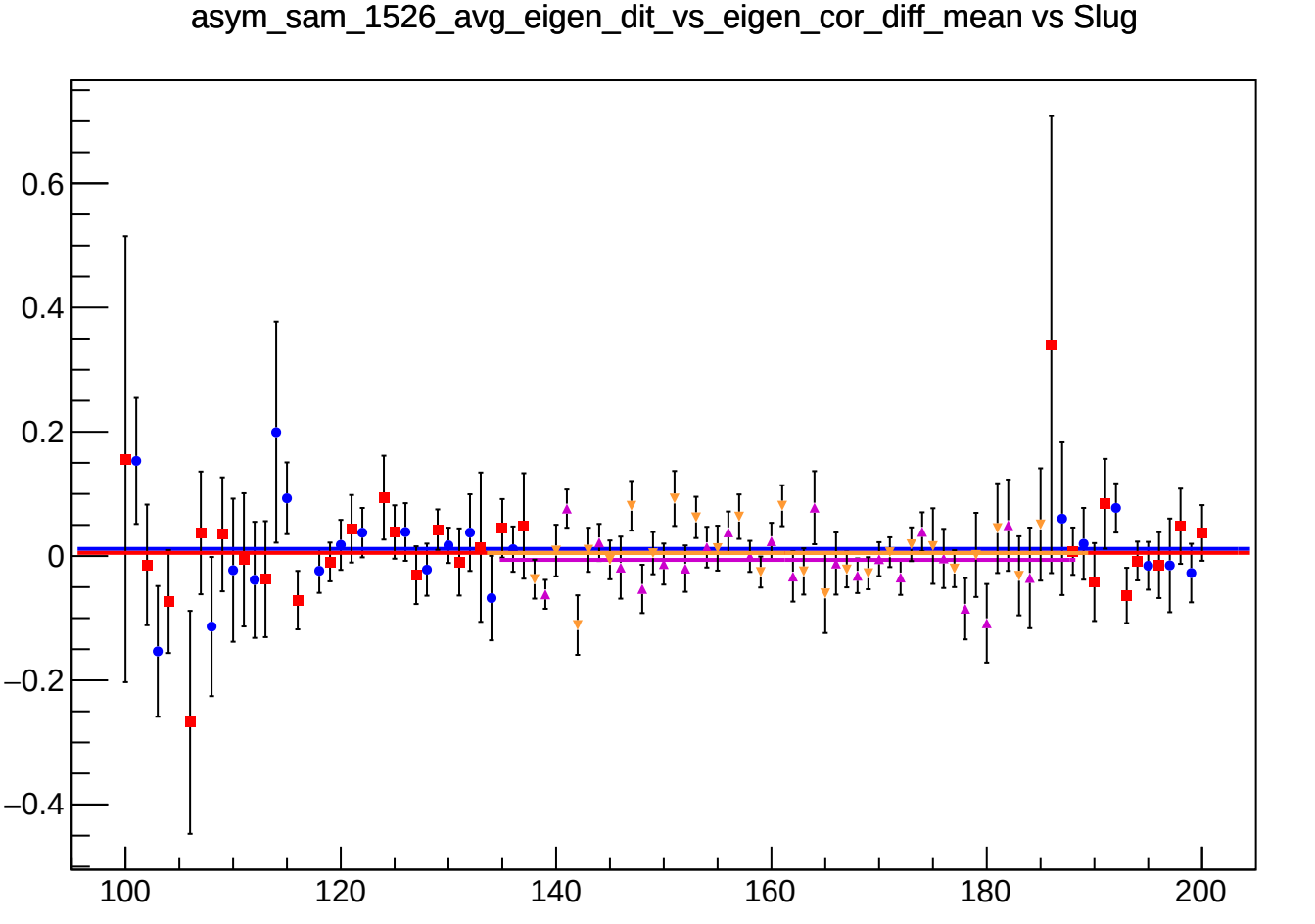
Right Out: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 30.329+/-0.004 χ^2/NDF: 5986204.5/46

All: 30.555+/-0.003 χ^2/NDF: 12062563.2/97

\- sign 30.781+/-0.004 χ^2/NDF: 6070534.8/50



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

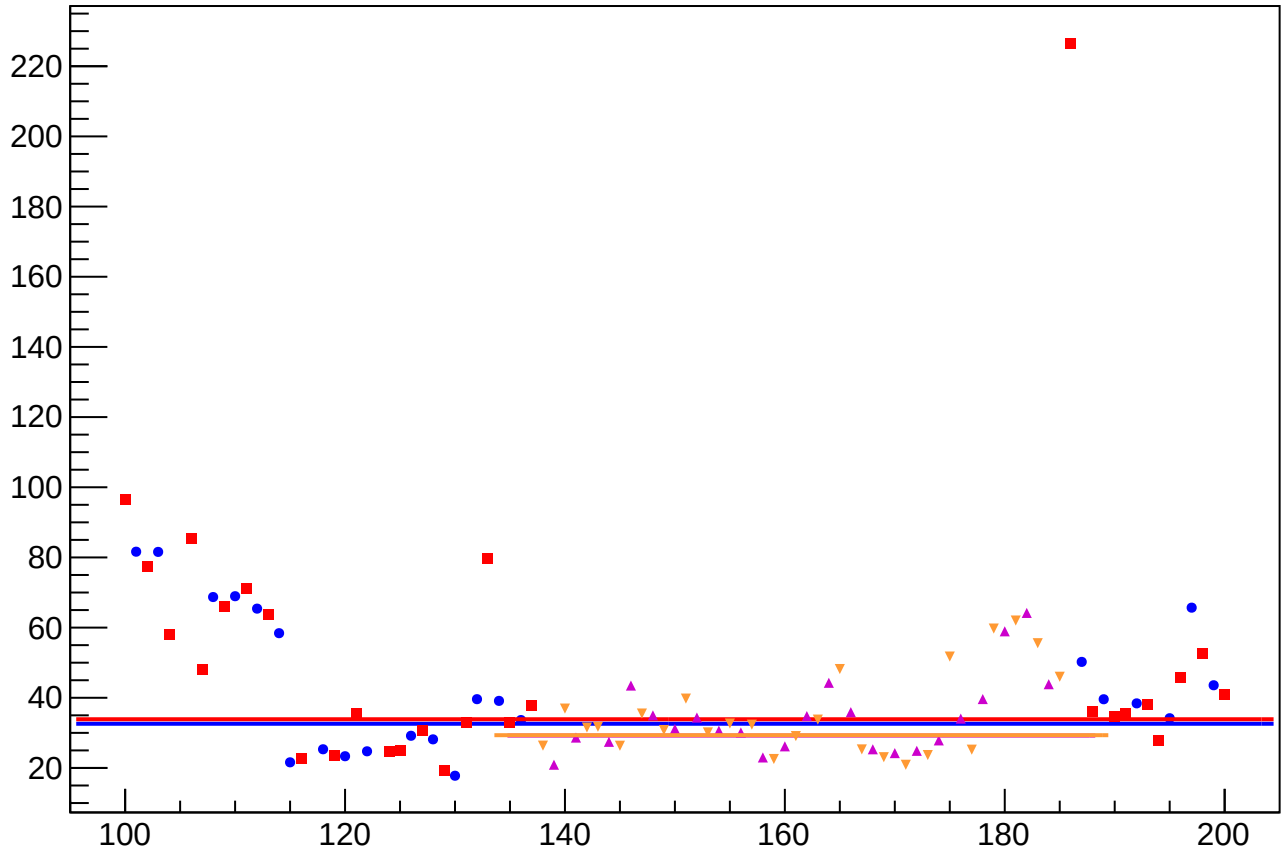
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 103.5/97

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

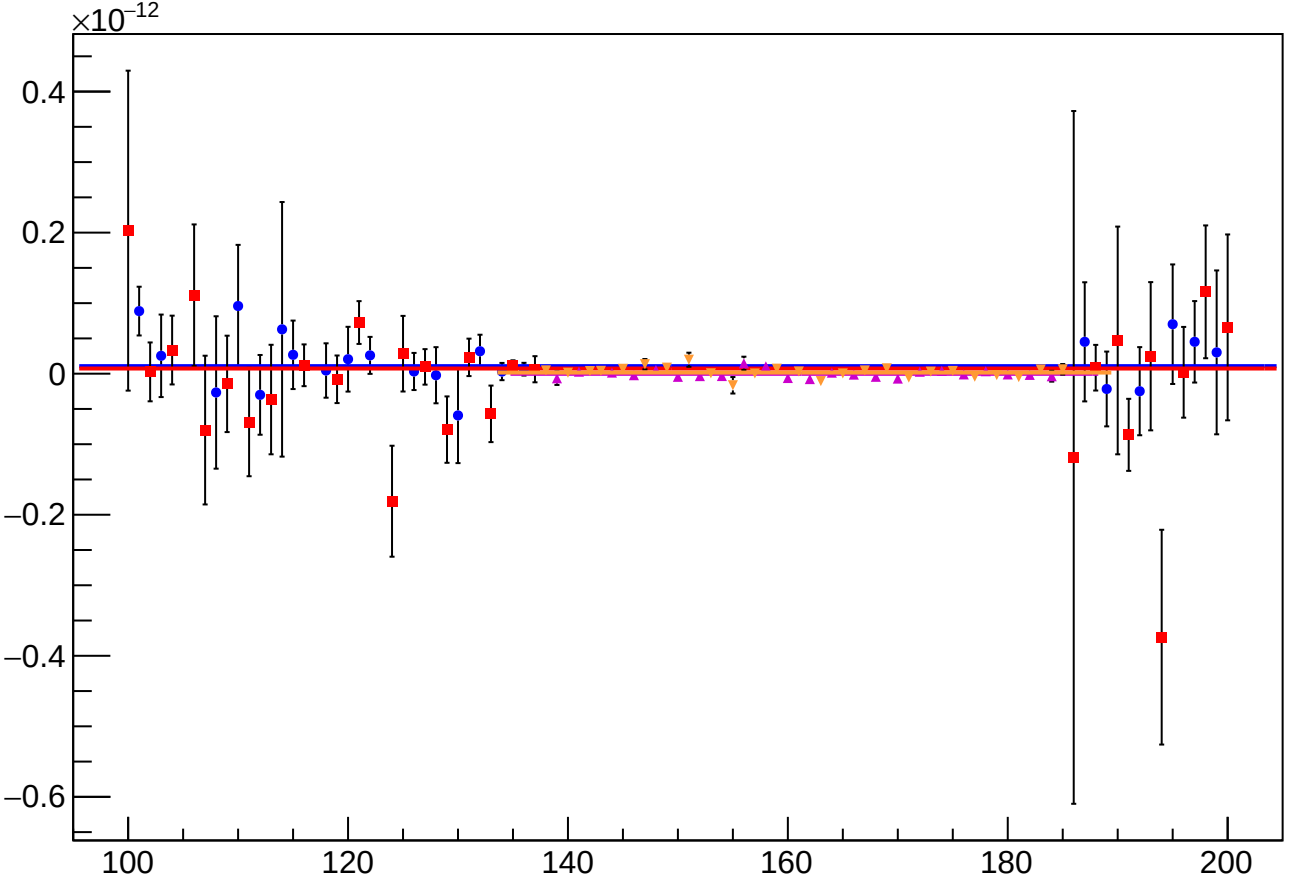
Right Out: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.329+/-0.004 χ^2/NDF: 5986204.5/46

All: 30.555+/-0.003 χ^2/NDF: 12062563.2/97

- sign 30.781+/-0.004 χ^2/NDF: 6070534.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

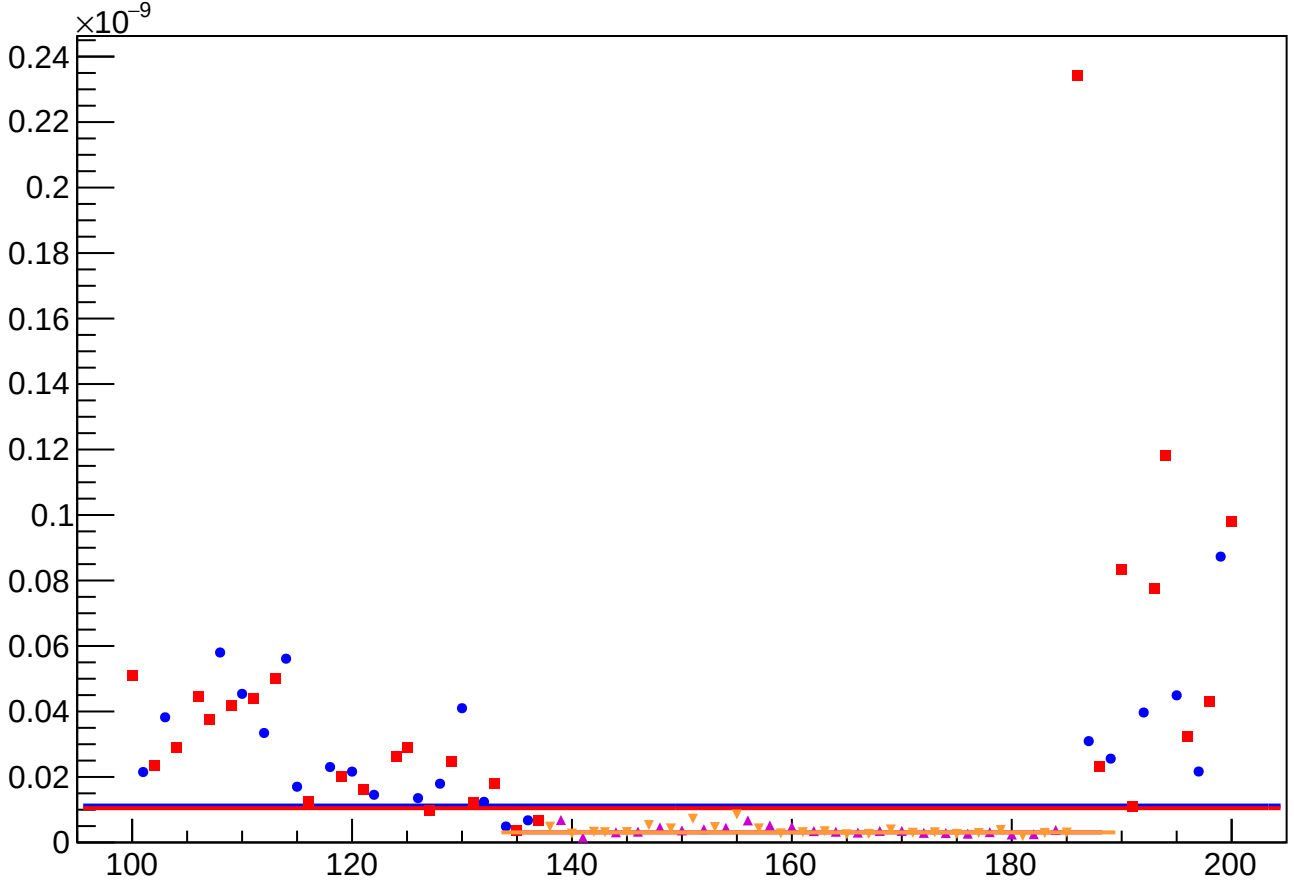
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/27

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/46

All: 0.000+/-0.000 χ^2/NDF: 104.1/97

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 5475851.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8925328.1/27

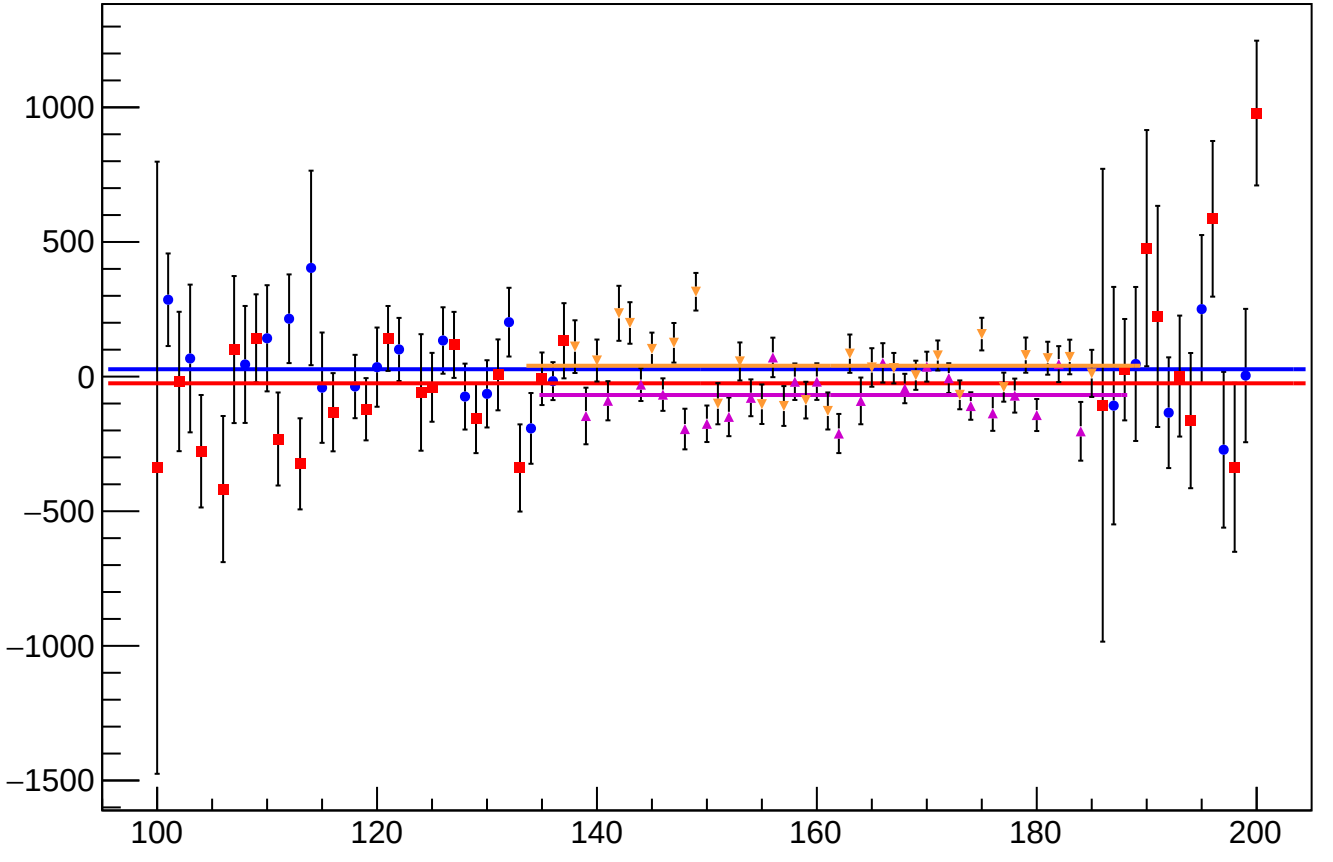
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11306714.9/46

All: 0.000+/-0.000 χ^2/NDF: 25613625.8/97

- sign 0.000+/-0.000 χ^2/NDF: 14306898.5/50

reg_asym_sam_3726_avg_mean vs Slug



Right In: 27.371+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.899+/-32.693 χ^2/NDF: 41.6/27

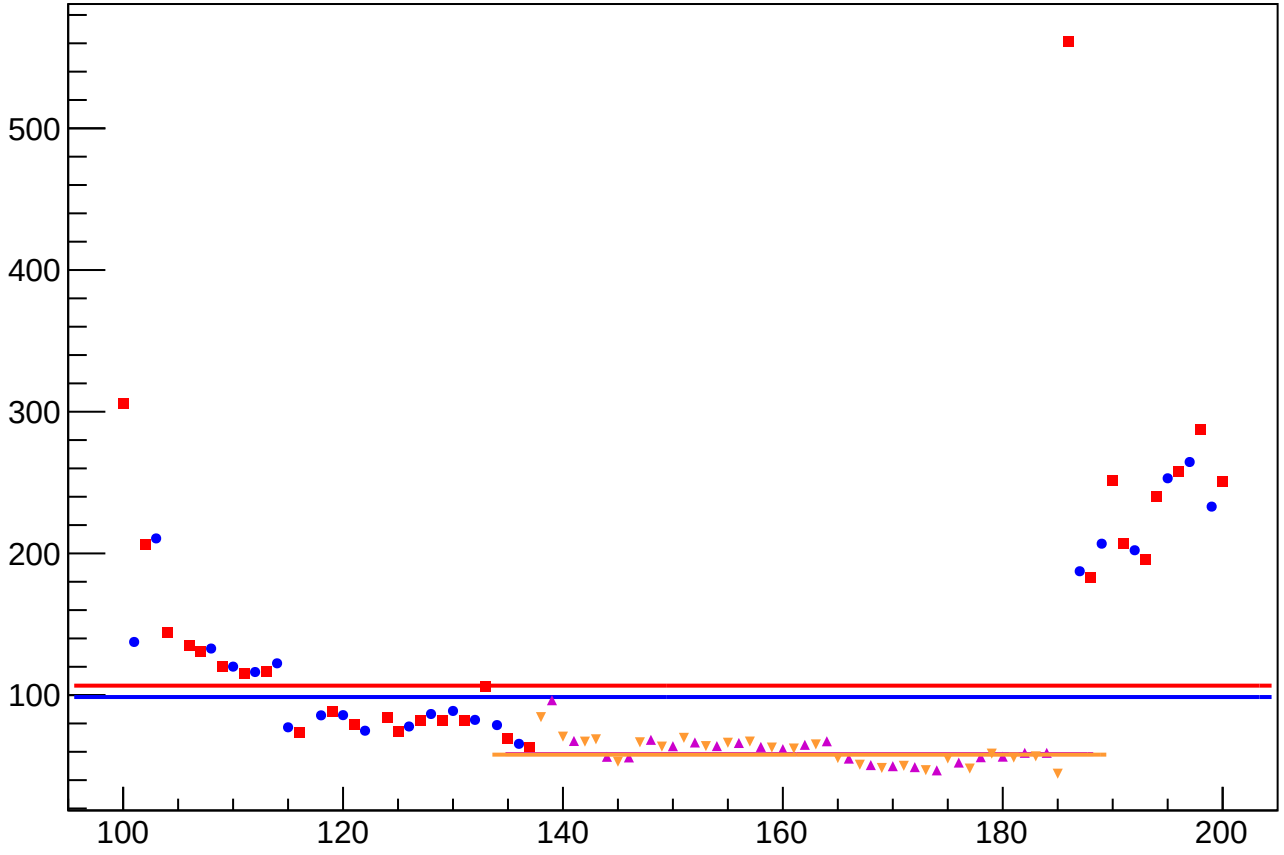
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.445+/-12.383 χ^2/NDF: 74.8/46

All: -10.116+/-8.888 χ^2/NDF: 181.4/97

- sign -61.721+/-12.765 χ^2/NDF: 74.9/50

reg_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040412.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

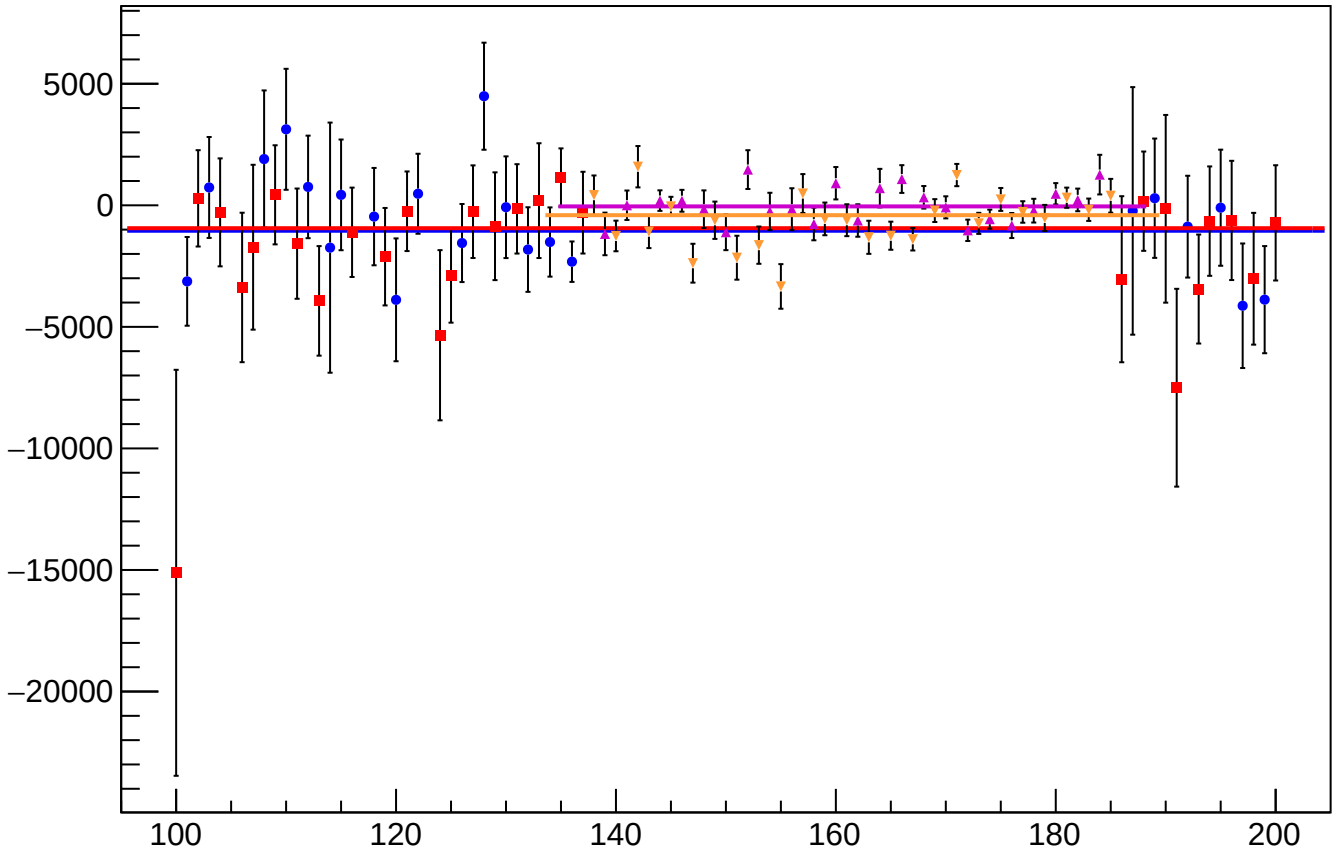
Right Out: 106.685+/-0.023 χ^2/NDF: 5465282.9/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539836.7/46

All: 64.822+/-0.006 χ^2/NDF: 17459166.5/97

- sign 65.759+/-0.009 χ^2/NDF: 9898439.7/50



Right In: -1045.705+/-404.528 χ^2/NDF: 22.2/21

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -941.570+/-411.779 χ^2/NDF: 18.4/27

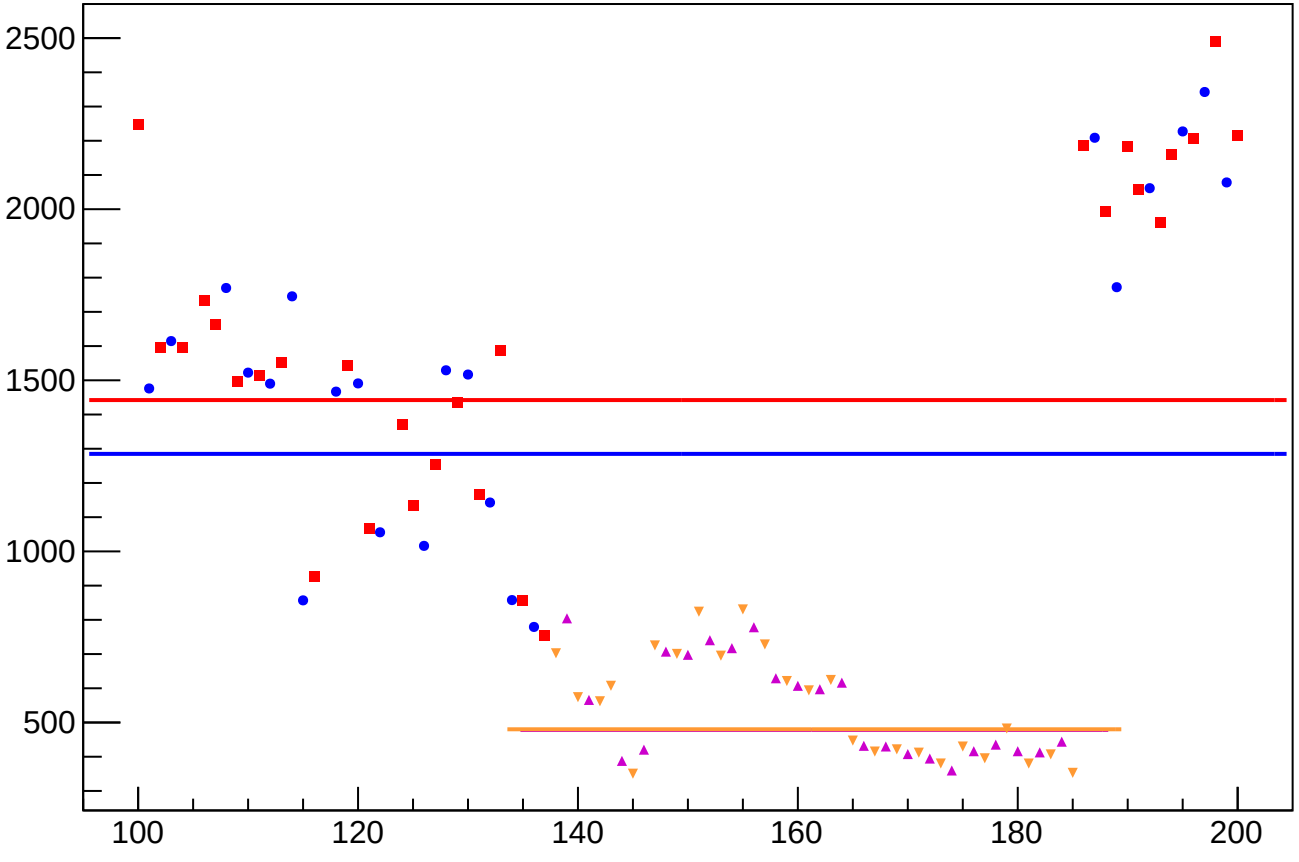
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -452.957+/-109.251 χ^2/NDF: 87.7/46

All: -285.139+/-78.016 χ^2/NDF: 146.3/97

- sign -110.515+/-111.445 χ^2/NDF: 53.8/50

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1284.982+/-0.286 χ^2/NDF: 2694044.5/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1442.242+/-0.291 χ^2/NDF: 2653576.2/27

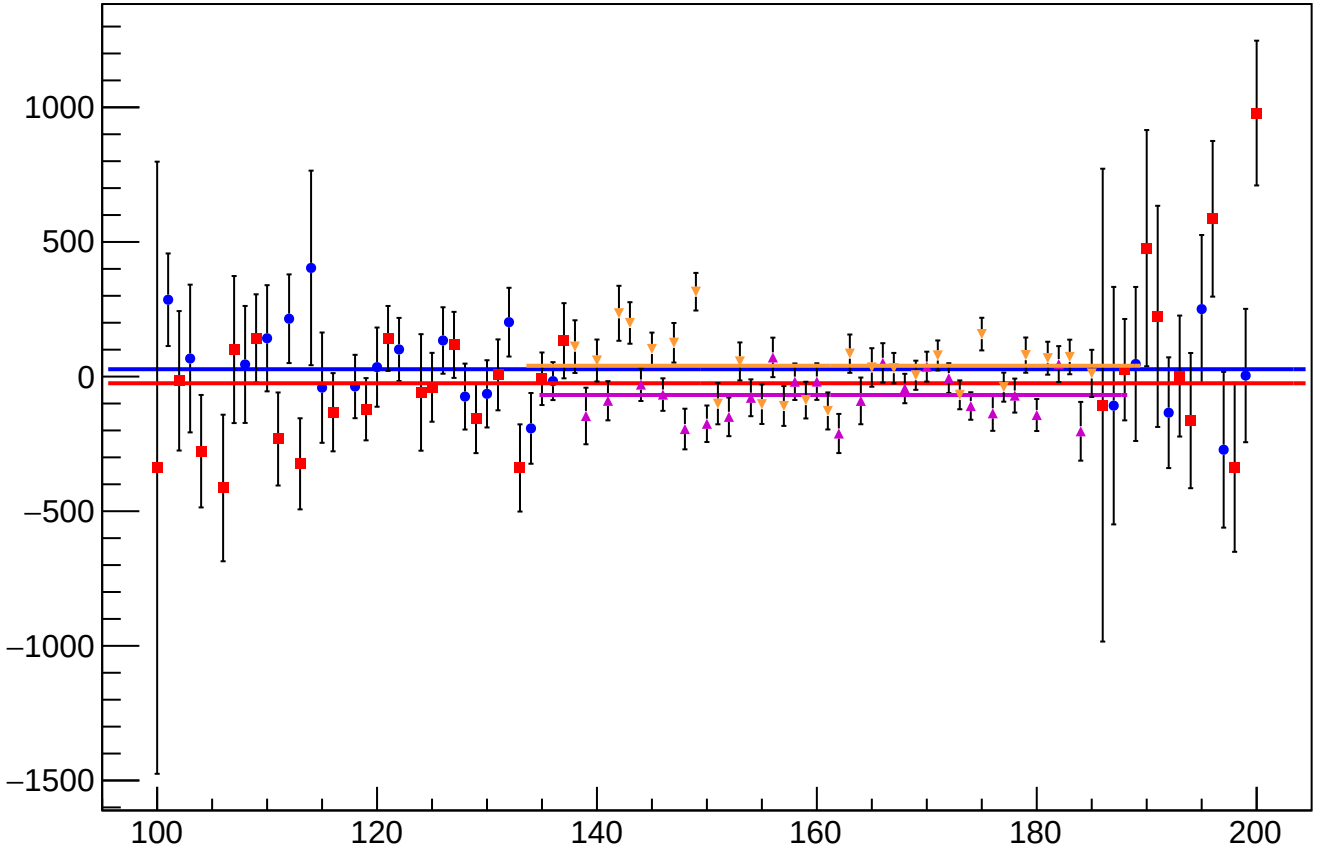
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615300.4/46

All: 543.687+/-0.055 χ^2/NDF: 27653966.1/97

- sign 548.705+/-0.079 χ^2/NDF: 15030712.6/50

cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.765+/-32.695 χ^2/NDF: 41.5/27

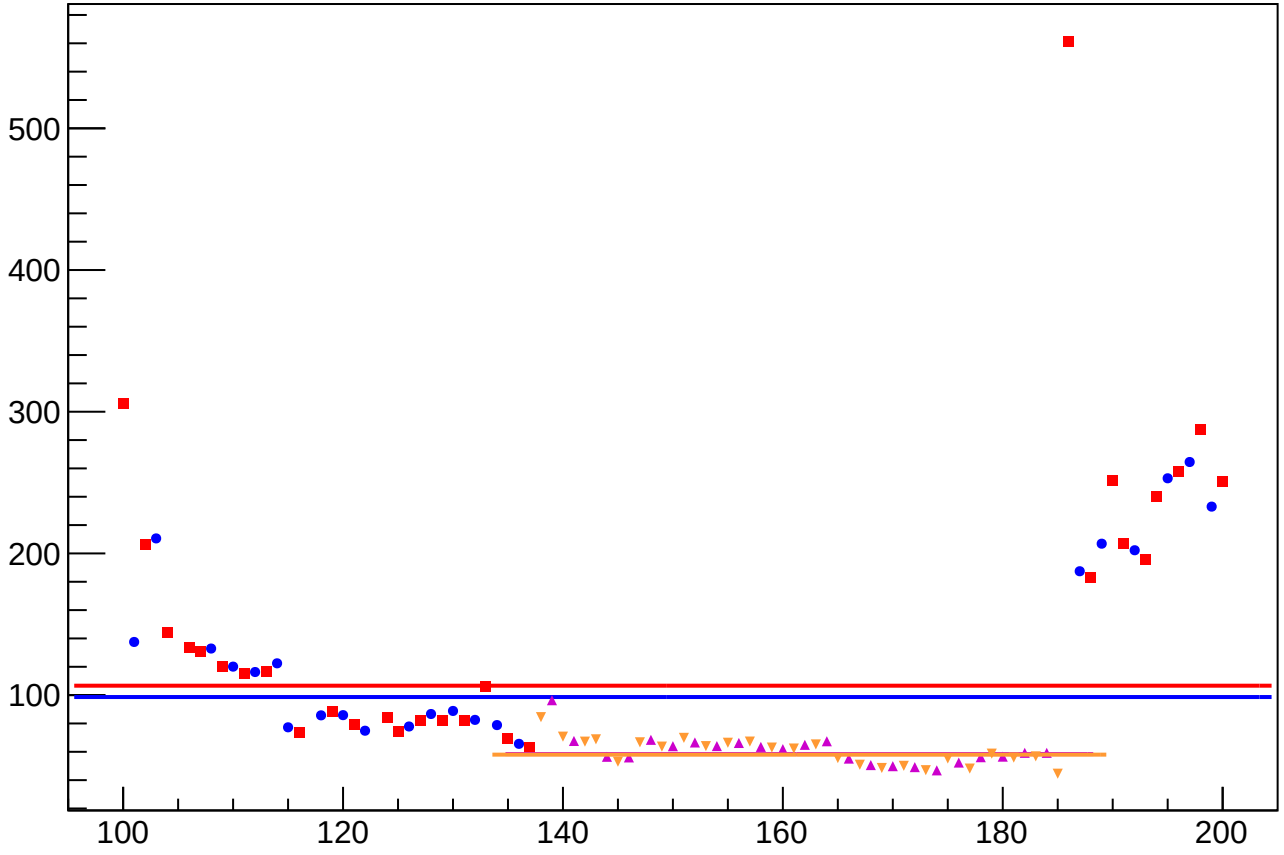
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.446+/-12.383 χ^2/NDF: 74.8/46

All: -10.105+/-8.888 χ^2/NDF: 181.4/97

- sign -61.700+/-12.766 χ^2/NDF: 74.8/50

cor_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

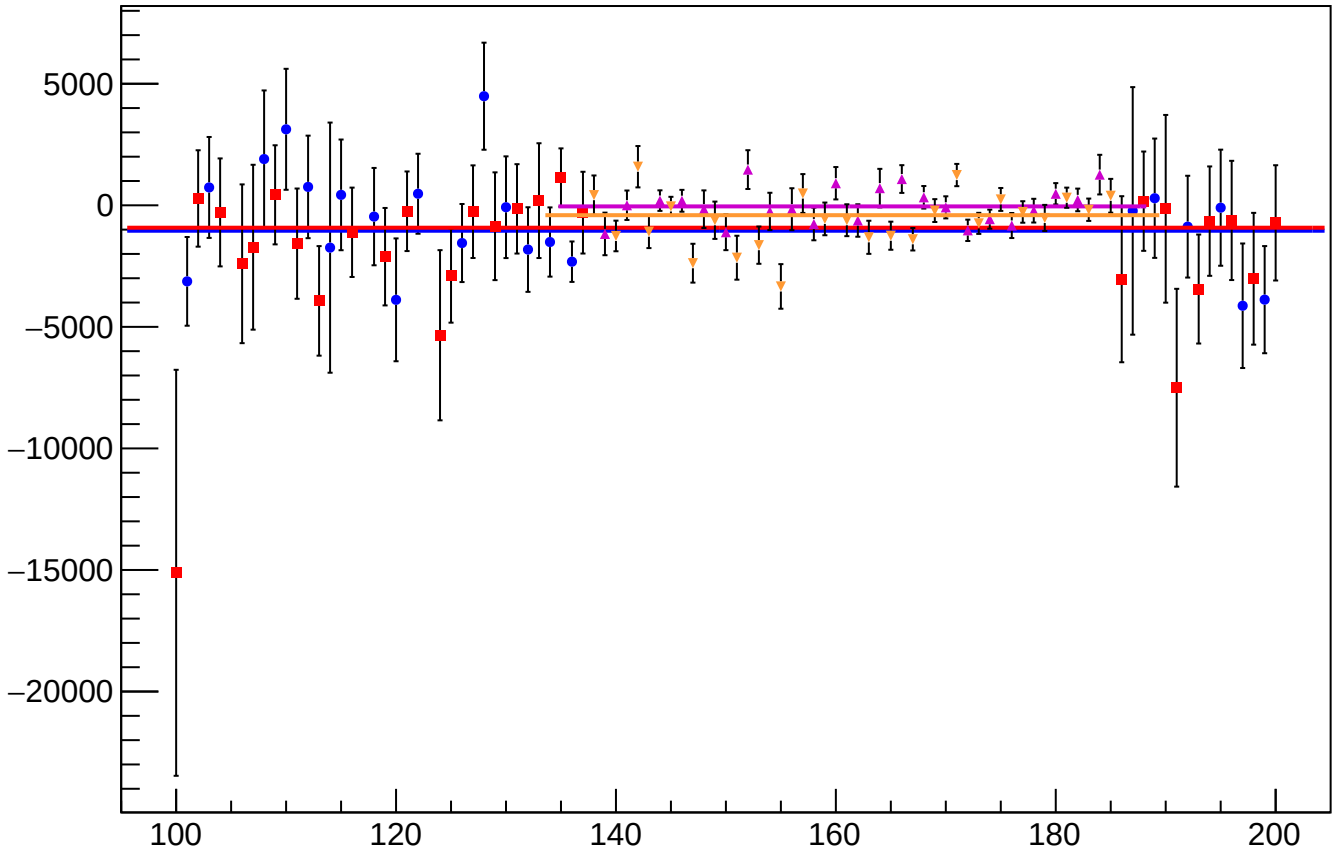
Right Out: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539838.9/46

All: 64.820+/-0.006 χ^2/NDF: 17451254.7/97

- sign 65.753+/-0.009 χ^2/NDF: 9890649.4/50



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -921.393+/-412.213 χ^2/NDF: 17.9/27

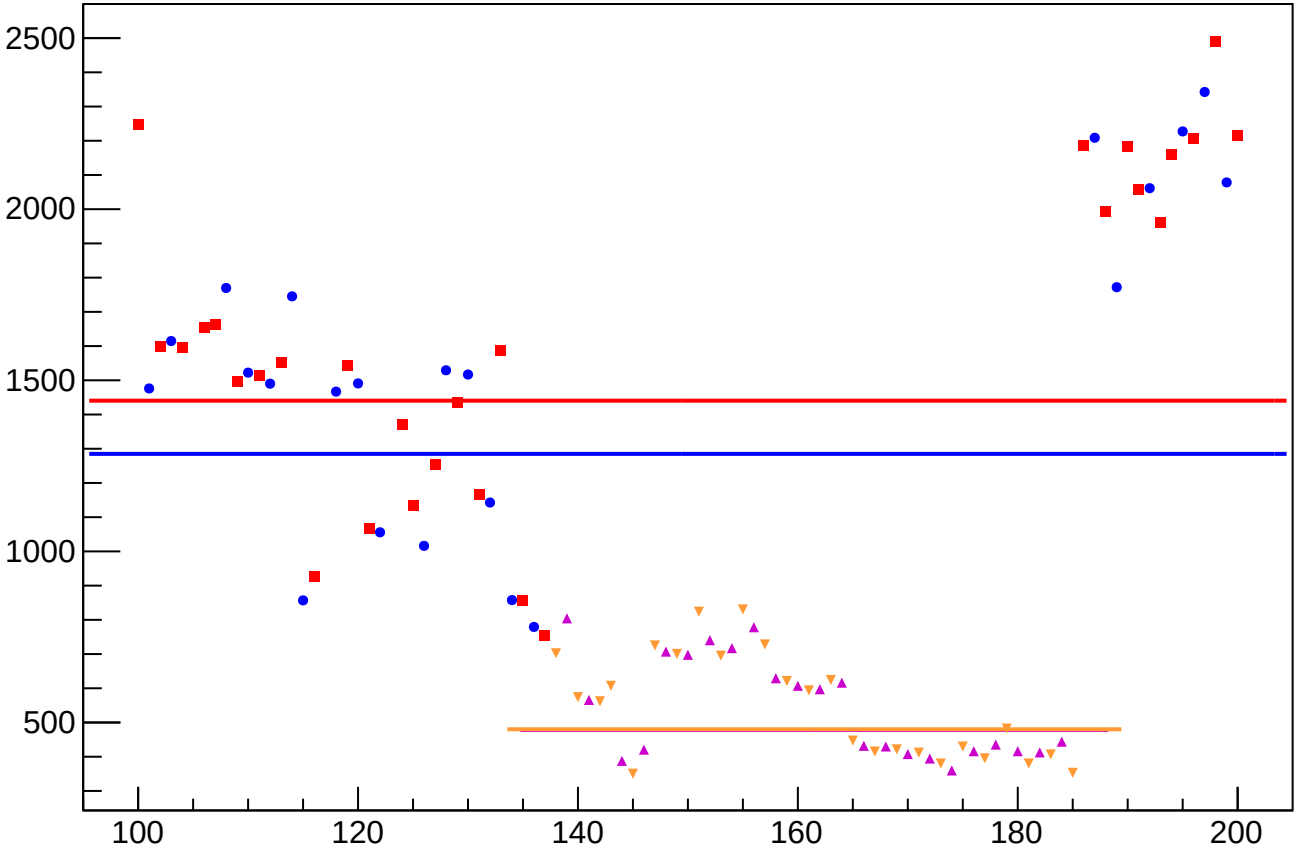
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.953+/-109.251 χ^2/NDF: 87.7/46

All: -284.364+/-78.019 χ^2/NDF: 145.7/97

- sign -108.911+/-111.453 χ^2/NDF: 53.2/50

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

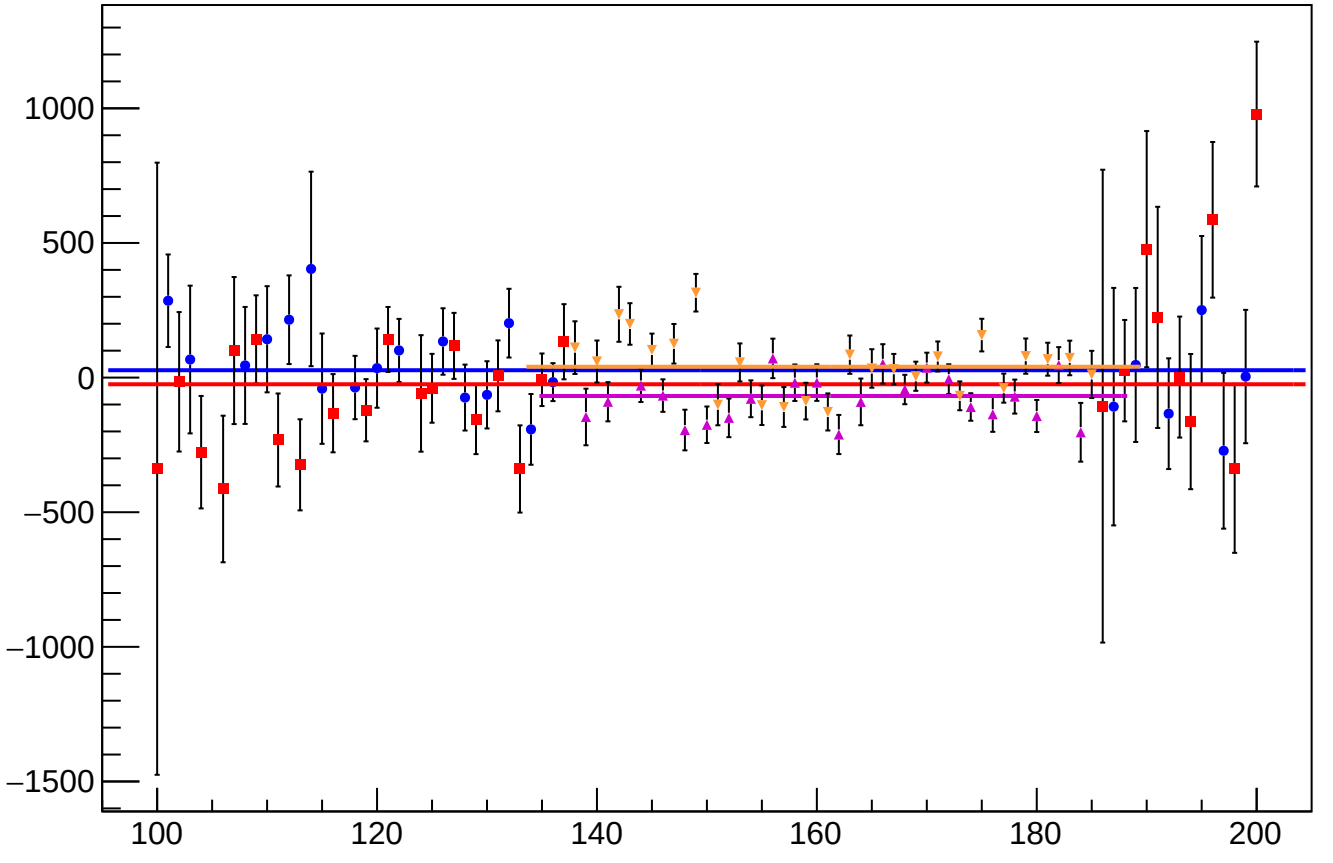
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615326.8/46

All: 543.555+/-0.055 χ^2/NDF: 27586609.0/97

- sign 548.436+/-0.079 χ^2/NDF: 14963758.5/50

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.765+/-32.695 χ^2/NDF: 41.5/27

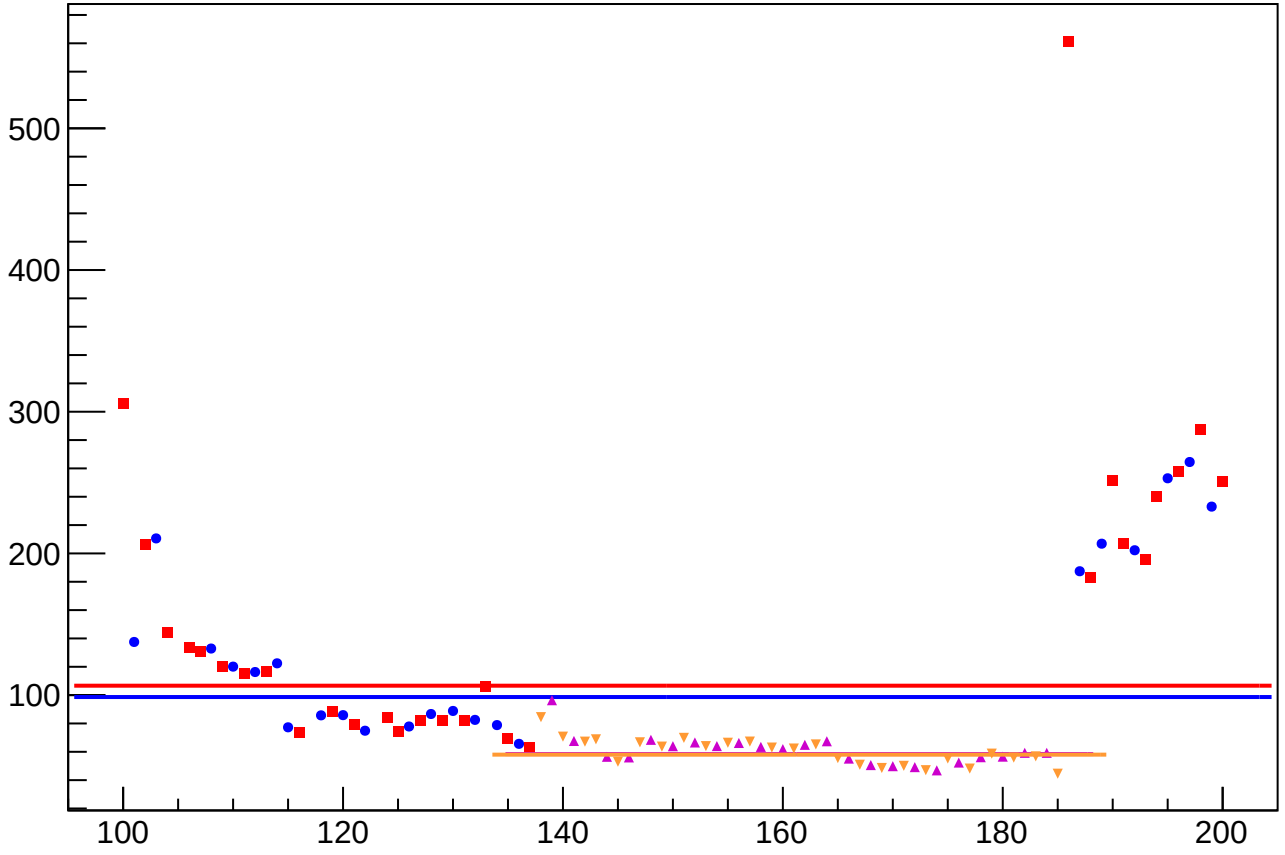
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.446+/-12.383 χ^2/NDF: 74.8/46

All: -10.105+/-8.888 χ^2/NDF: 181.4/97

- sign -61.700+/-12.766 χ^2/NDF: 74.8/50

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

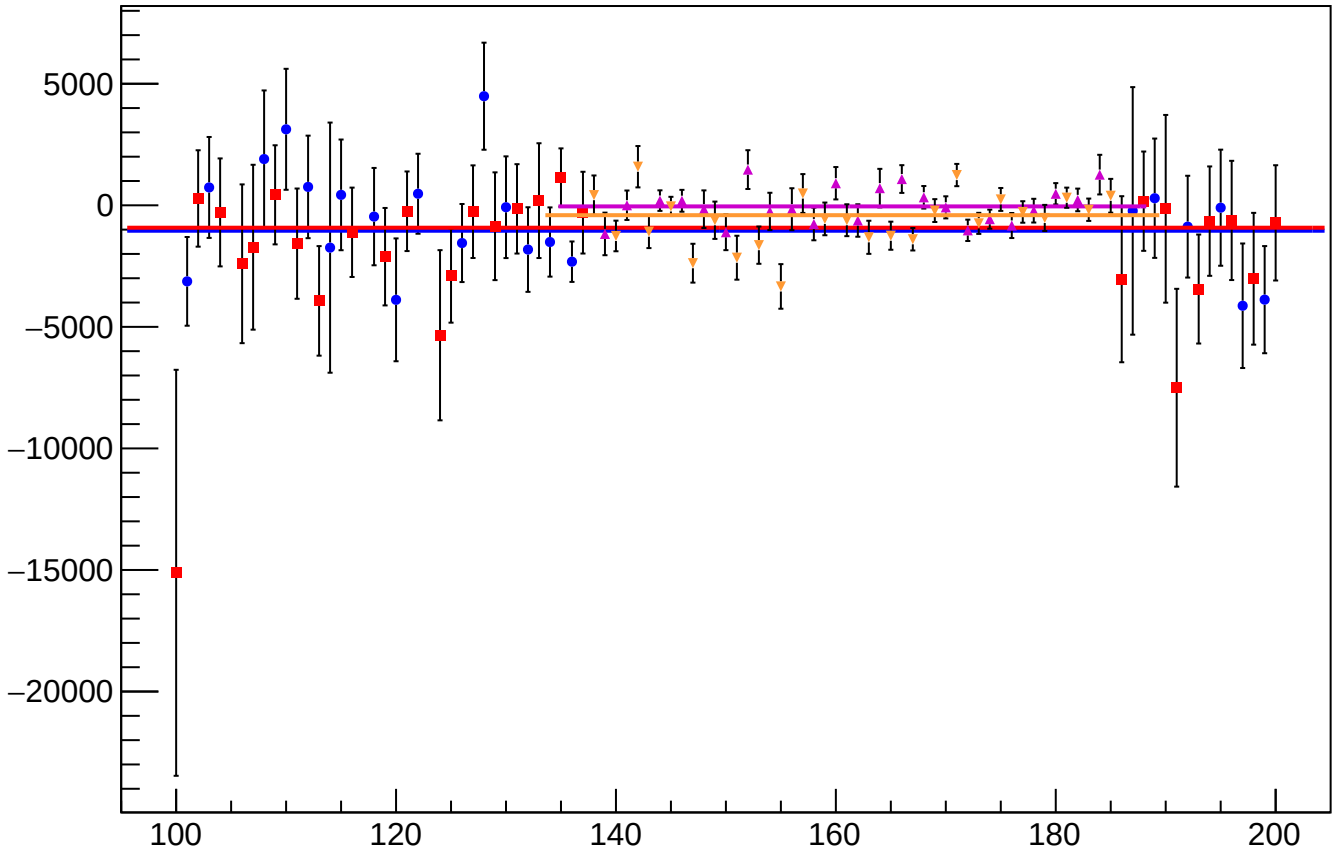
Right Out: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539838.9/46

All: 64.820+/-0.006 χ^2/NDF: 17451254.7/97

- sign 65.753+/-0.009 χ^2/NDF: 9890649.4/50



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

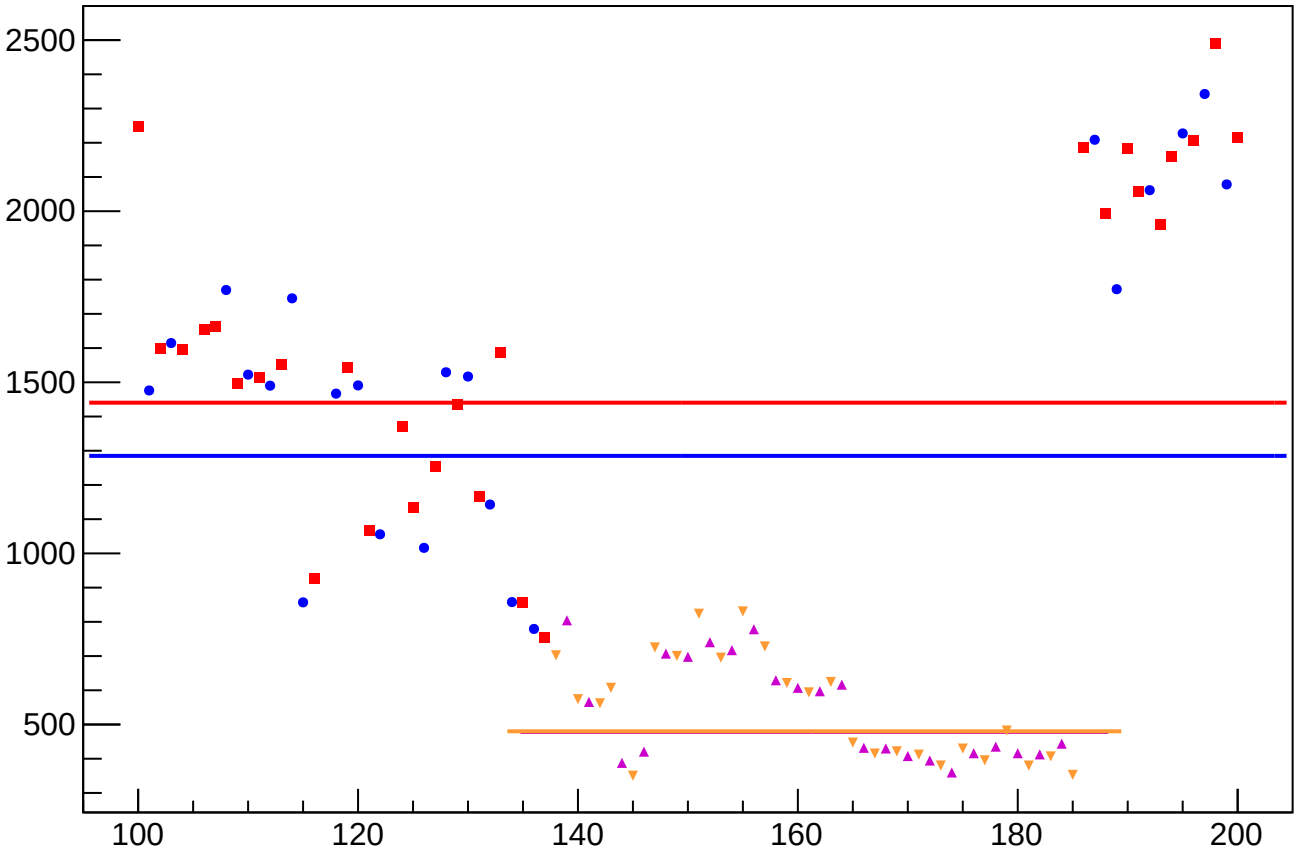
Right Out: -921.393+/-412.213 χ^2/NDF: 17.9/27

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.953+/-109.251 χ^2/NDF: 87.7/46

All: -284.364+/-78.019 χ^2/NDF: 145.7/97

- sign -108.911+/-111.453 χ^2/NDF: 53.2/50



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

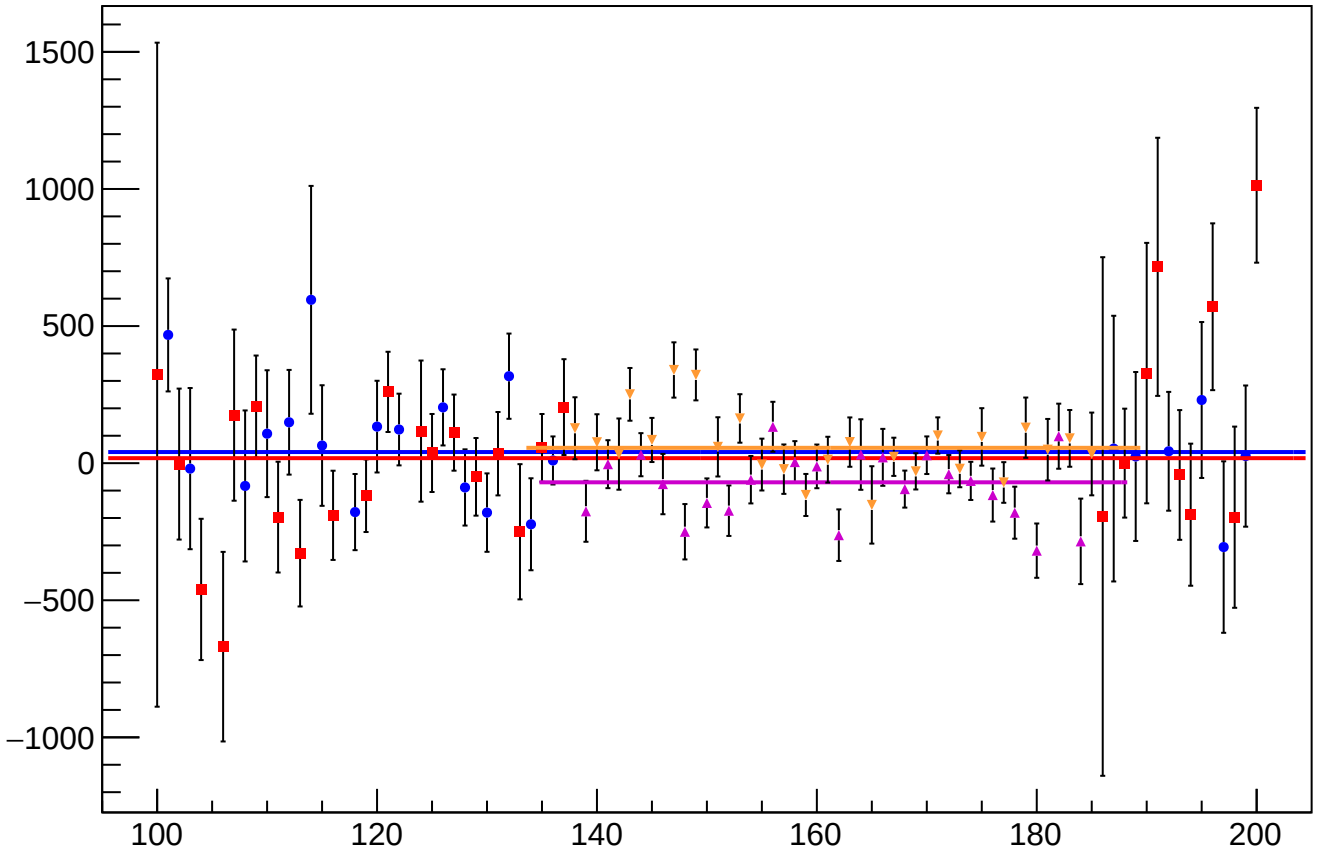
Right Out: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615326.8/46

All: 543.555+/-0.055 χ^2/NDF: 27586609.0/97

- sign 548.436+/-0.079 χ^2/NDF: 14963758.5/50



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 18.223+/-37.964 χ^2/NDF: 41.3/27

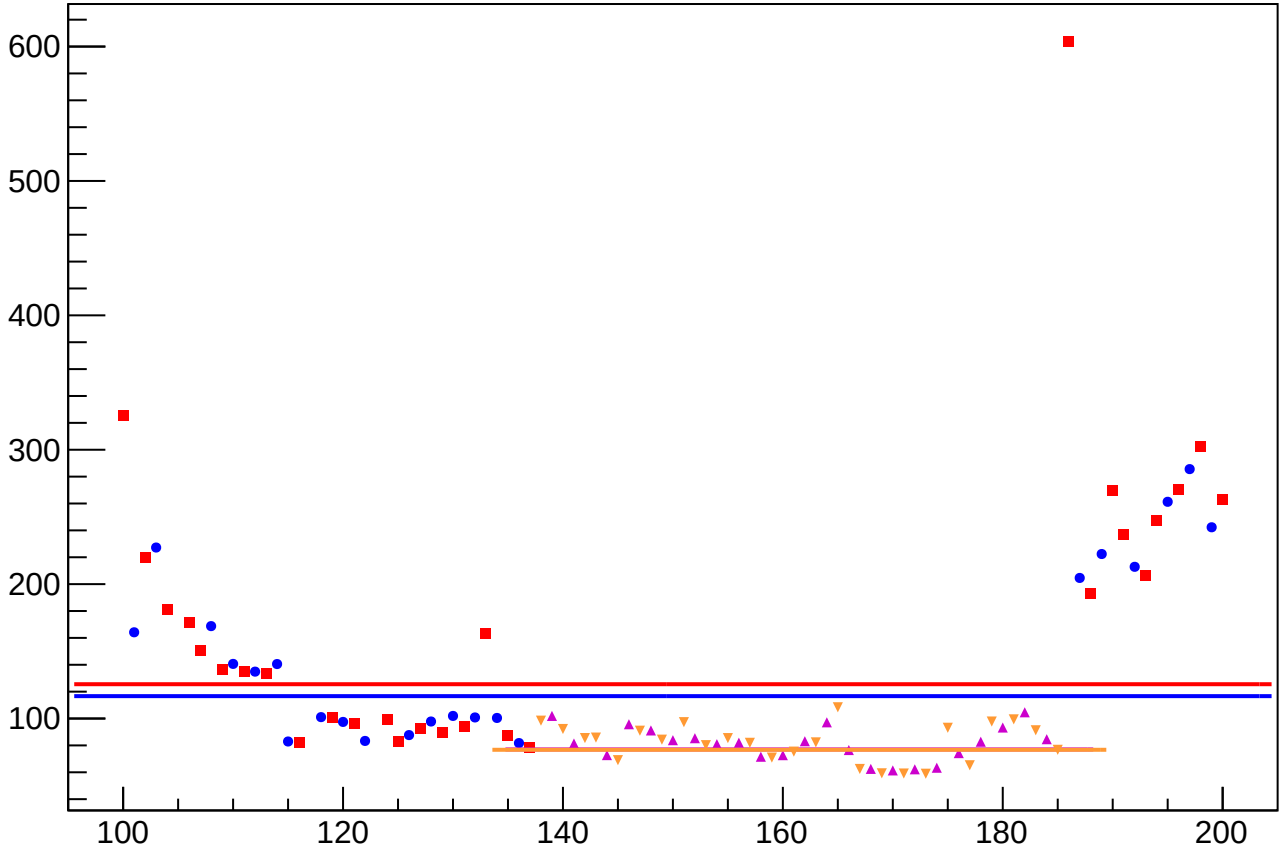
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.115+/-16.213 χ^2/NDF: 60.4/46

All: 1.423+/-11.608 χ^2/NDF: 161.5/97

- sign -52.949+/-16.628 χ^2/NDF: 80.2/50

dit_asym_sam_3726_avg_rms vs Slug



Right In: 116.660+/-0.027 χ^2/NDF: 3511030.2/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 125.536+/-0.027 χ^2/NDF: 4863917.1/27

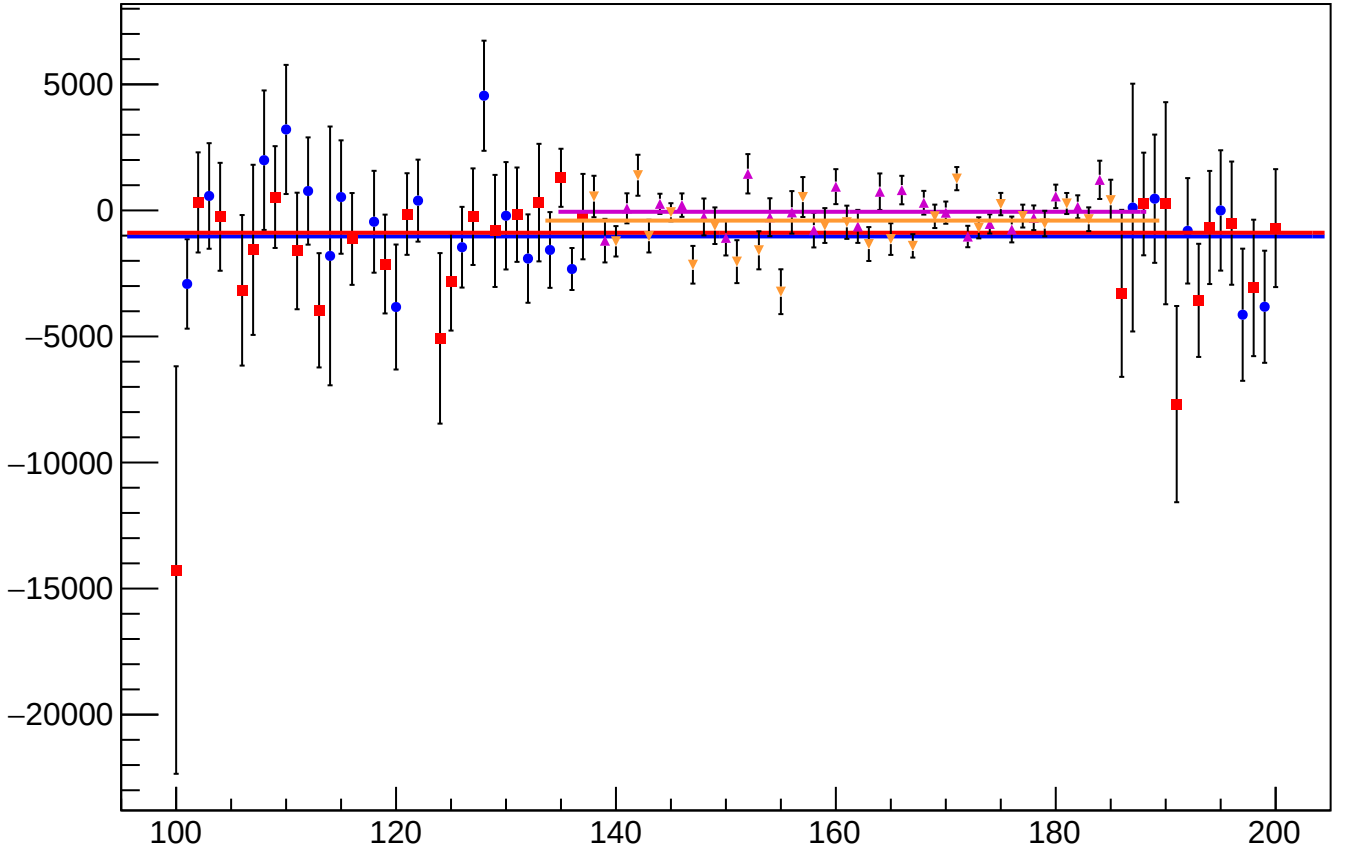
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 84.093+/-0.011 χ^2/NDF: 6566669.8/46

All: 85.181+/-0.008 χ^2/NDF: 14947867.9/97

- sign 86.326+/-0.012 χ^2/NDF: 8362708.6/50

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1031.589+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -885.756+/-408.070 χ^2/NDF: 19.8/27

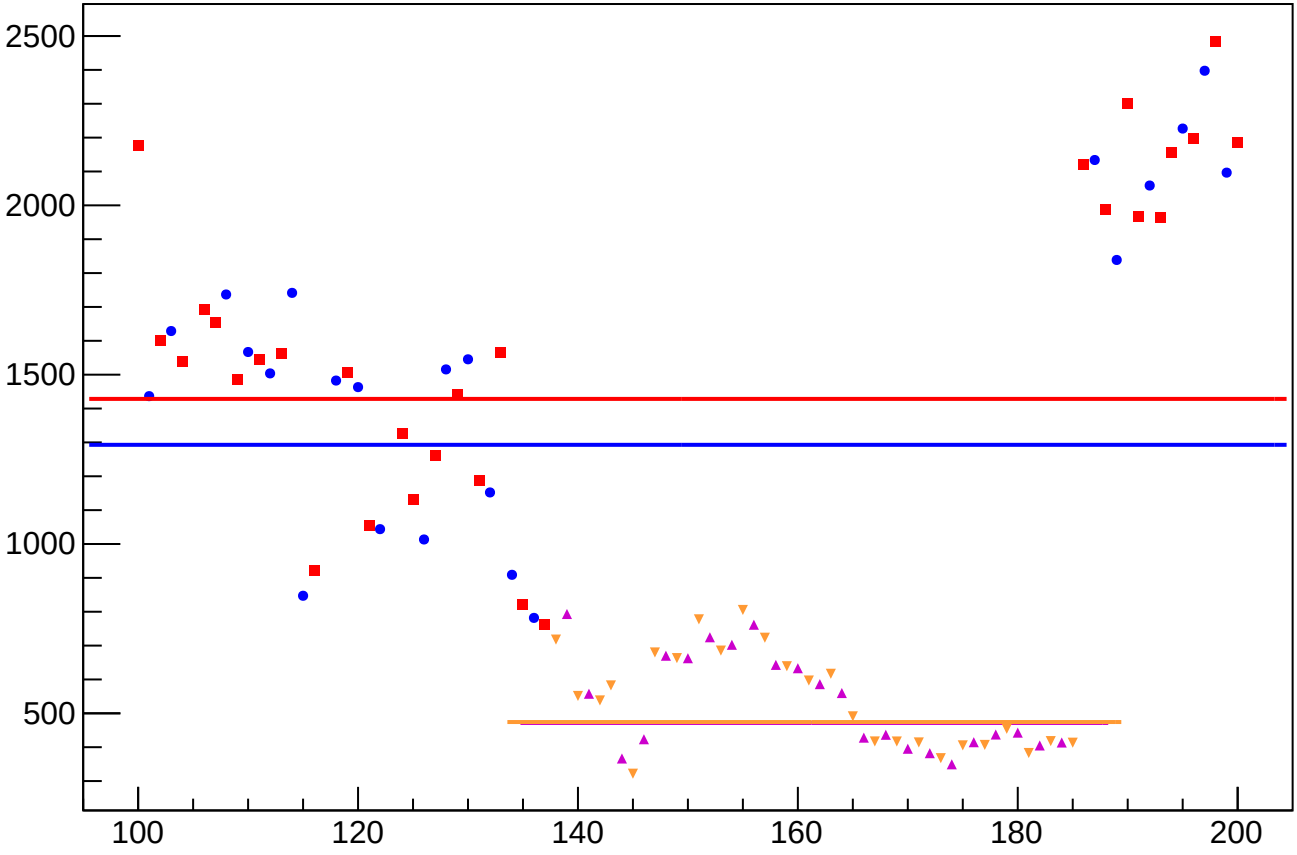
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.521+/-107.774 χ^2/NDF: 85.1/46

All: -284.461+/-76.981 χ^2/NDF: 144.0/97

- sign -114.611+/-109.995 χ^2/NDF: 54.3/50

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1292.861+/-0.287 χ^2/NDF: 2674534.9/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1428.472+/-0.289 χ^2/NDF: 2716934.5/27

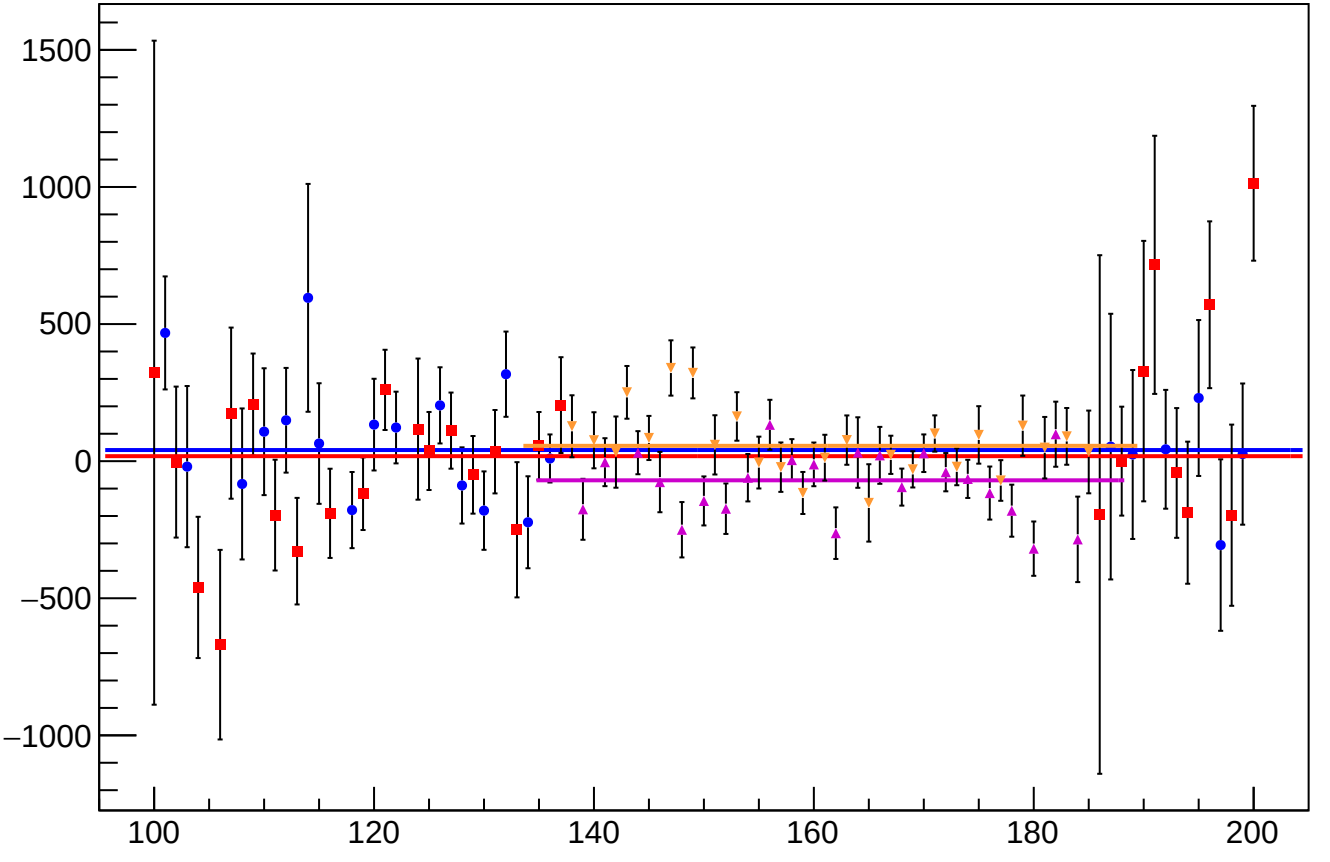
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 531.817+/-0.076 χ^2/NDF: 12751410.7/46

All: 536.310+/-0.054 χ^2/NDF: 27885721.4/97

- sign 540.990+/-0.078 χ^2/NDF: 15127213.2/50

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 18.225+/-37.964 χ^2/NDF: 41.3/27

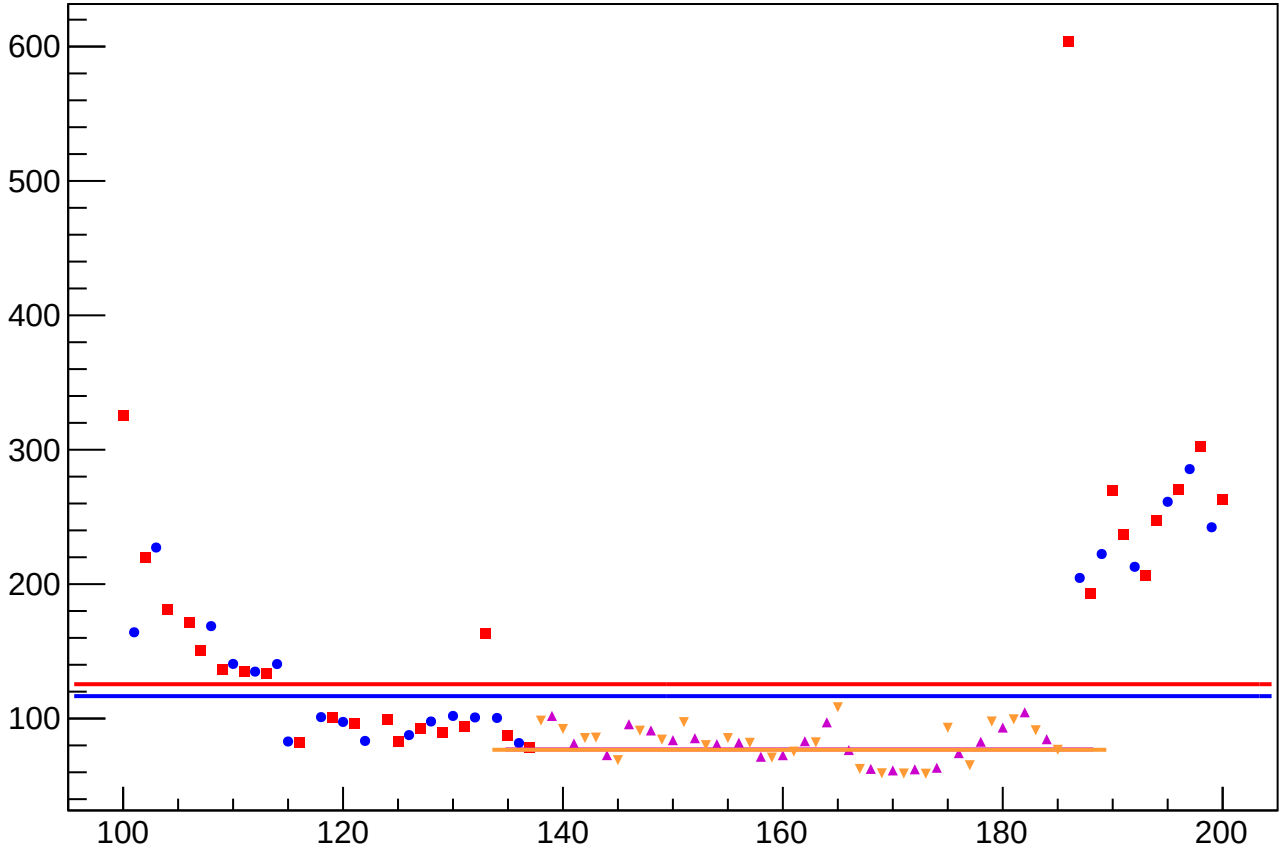
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.114+/-16.213 χ^2/NDF: 60.4/46

All: 1.423+/-11.608 χ^2/NDF: 161.5/97

- sign -52.948+/-16.628 χ^2/NDF: 80.2/50

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 116.660+/-0.027 χ^2/NDF: 3511033.9/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

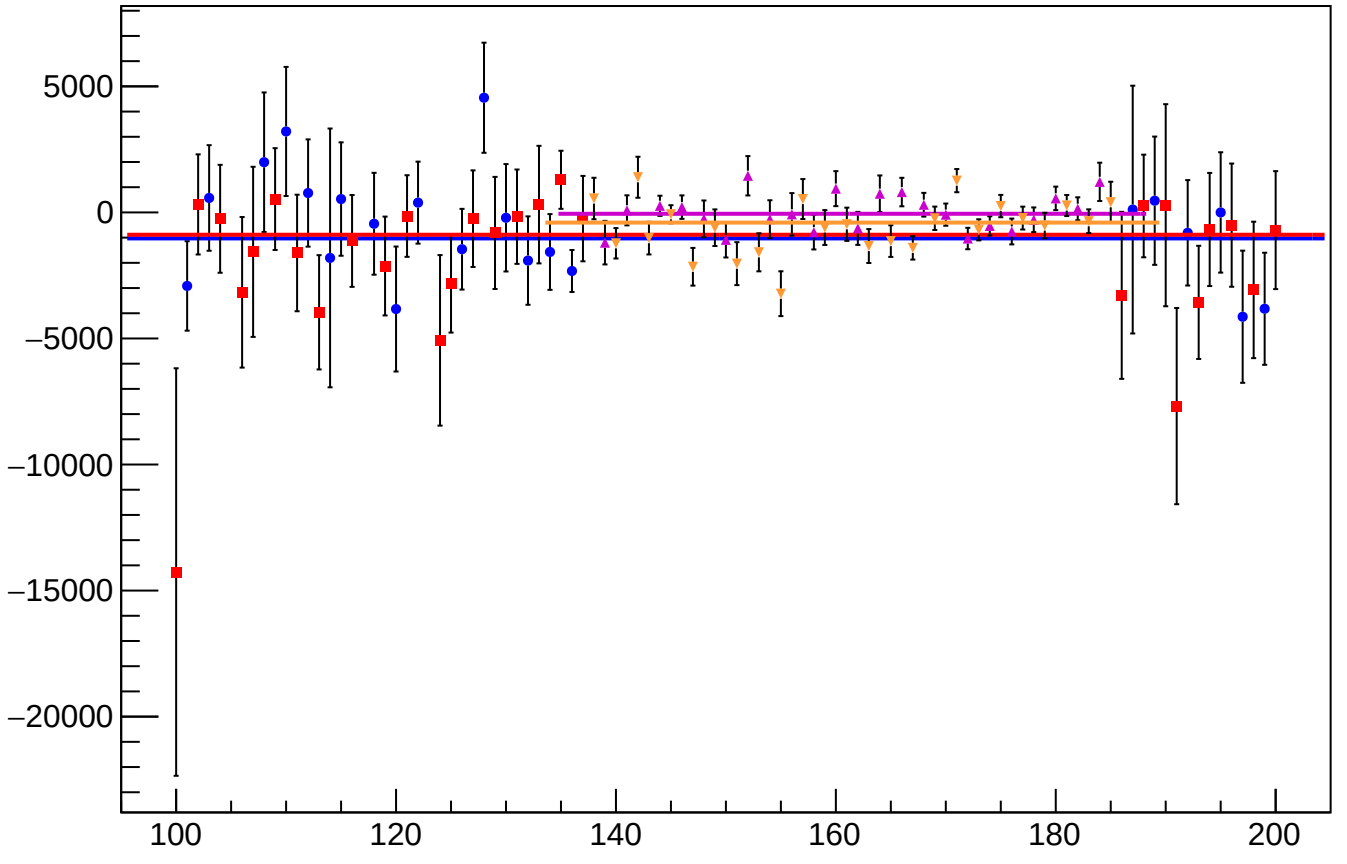
Right Out: 125.536+/-0.027 χ^2/NDF: 4863923.8/27

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 84.093+/-0.011 χ^2/NDF: 6566628.7/46

All: 85.181+/-0.008 χ^2/NDF: 14947783.0/97

- sign 86.326+/-0.012 χ^2/NDF: 8362664.2/50



Right In: -1031.585+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

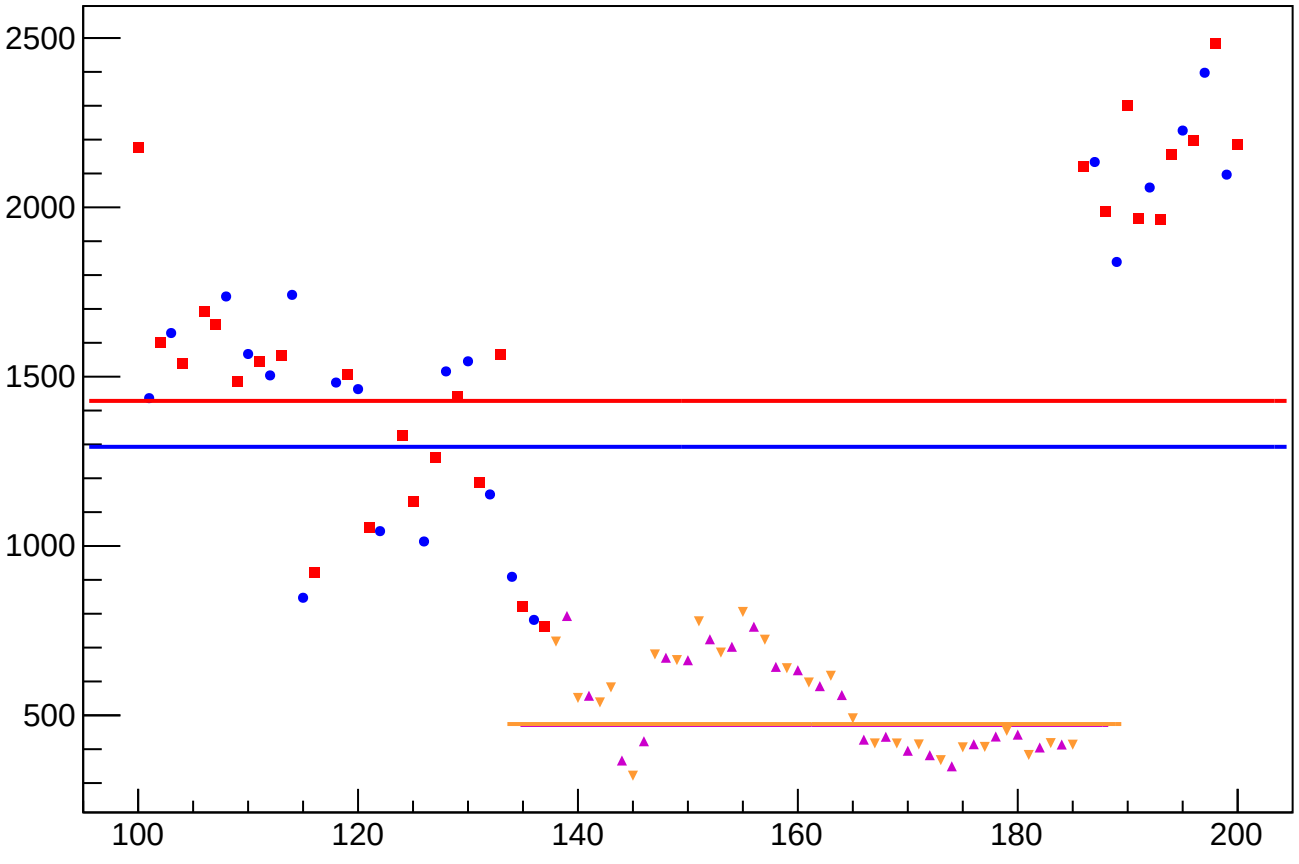
Right Out: -885.756+/-408.069 χ^2/NDF: 19.8/27

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.521+/-107.774 χ^2/NDF: 85.1/46

All: -284.461+/-76.981 χ^2/NDF: 144.0/97

- sign -114.612+/-109.995 χ^2/NDF: 54.3/50



Right In: 1292.860+/-0.287 χ^2/NDF: 2674524.7/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1428.470+/-0.289 χ^2/NDF: 2716930.9/27

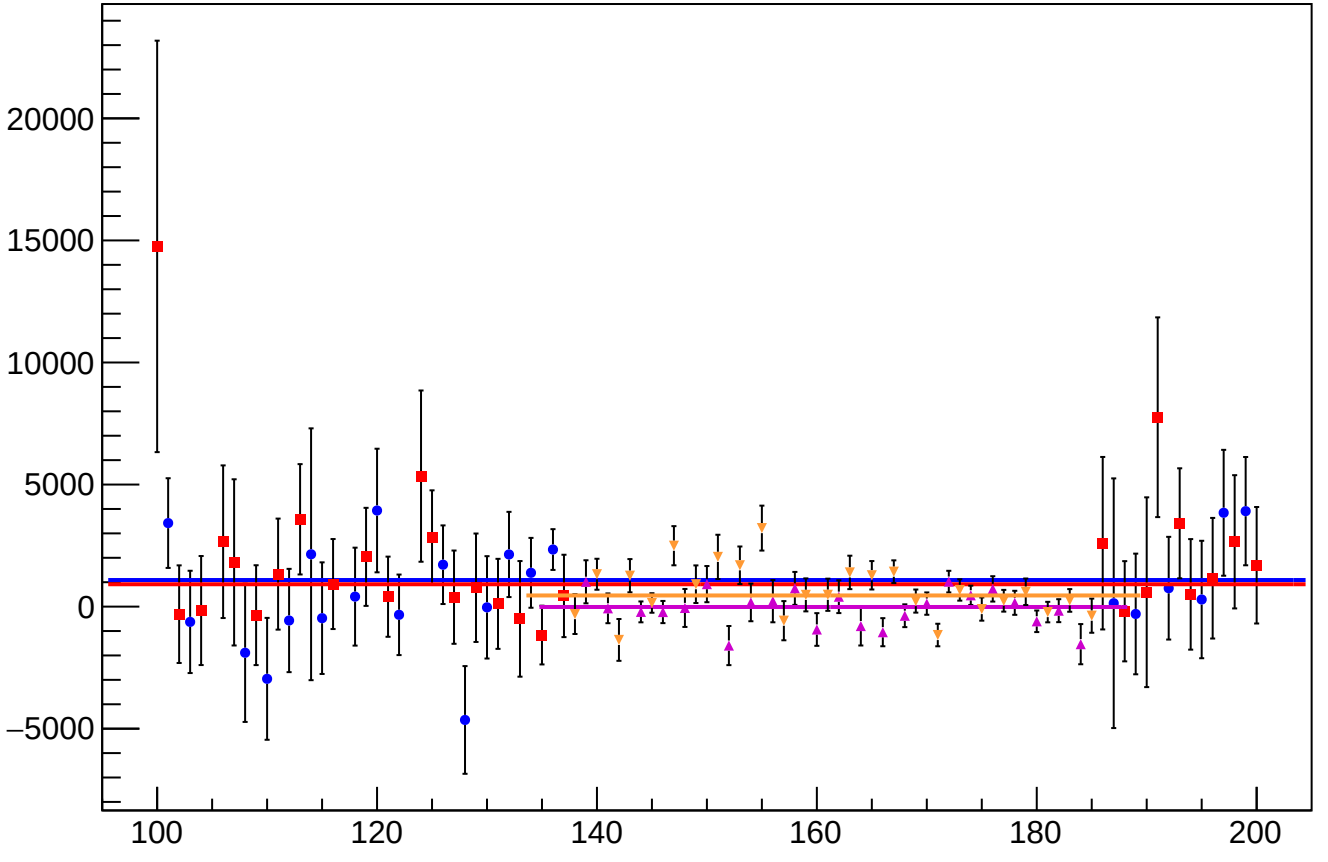
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 531.816+/-0.076 χ^2/NDF: 12751403.3/46

All: 536.310+/-0.054 χ^2/NDF: 27885695.4/97

- sign 540.990+/-0.078 χ^2/NDF: 15127194.4/50

asym_sam_3726_avg_mean vs Slug



Right In: 1089.347+/-406.274 χ^2/NDF: 22.3/21

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 916.064+/-413.700 χ^2/NDF: 17.3/27

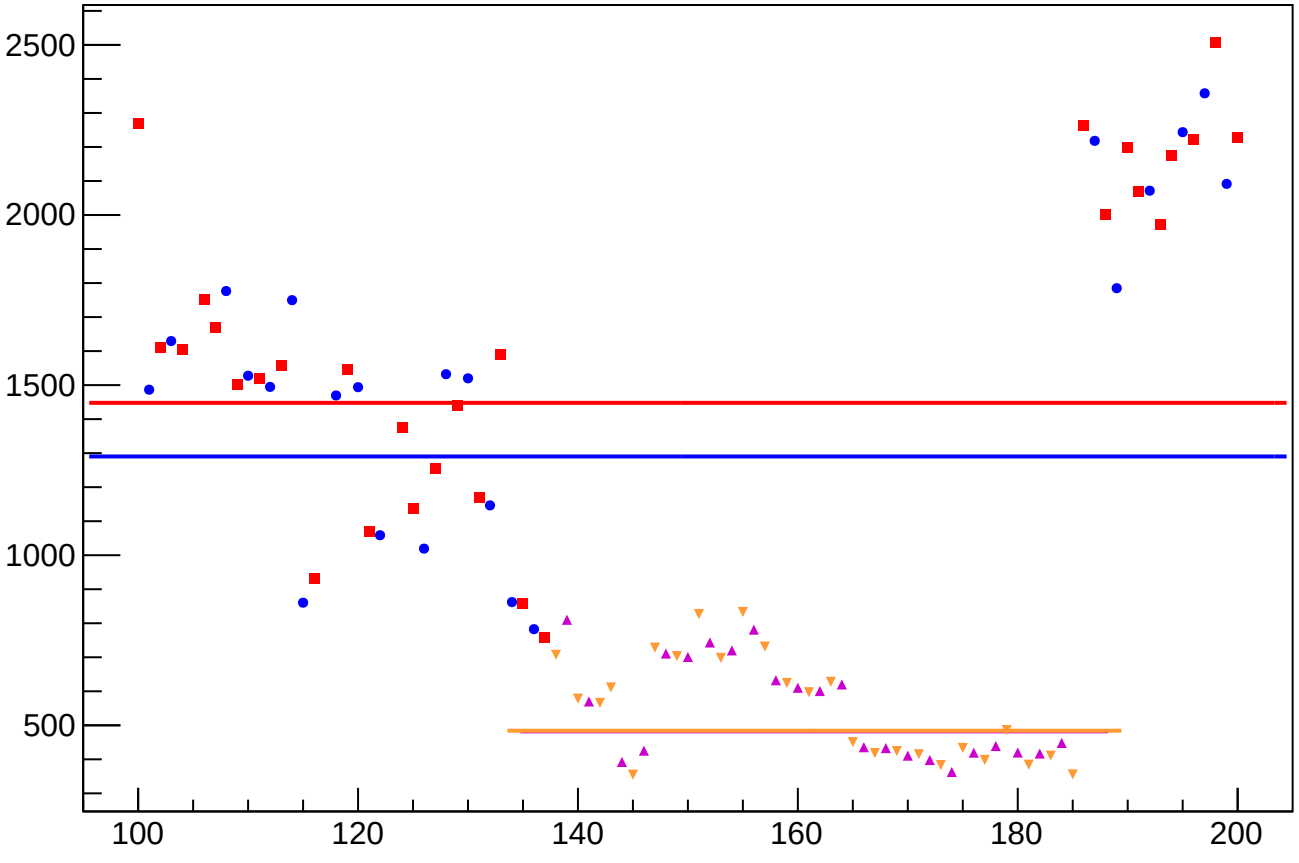
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 503.683+/-110.074 χ^2/NDF: 84.0/46

All: 283.154+/-78.615 χ^2/NDF: 144.4/97

- sign 53.546+/-112.317 χ^2/NDF: 52.2/50

asym_sam_3726_avg_rms vs Slug



Right In: 1290.279+/-0.287 χ^2/NDF: 2702576.3/21

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

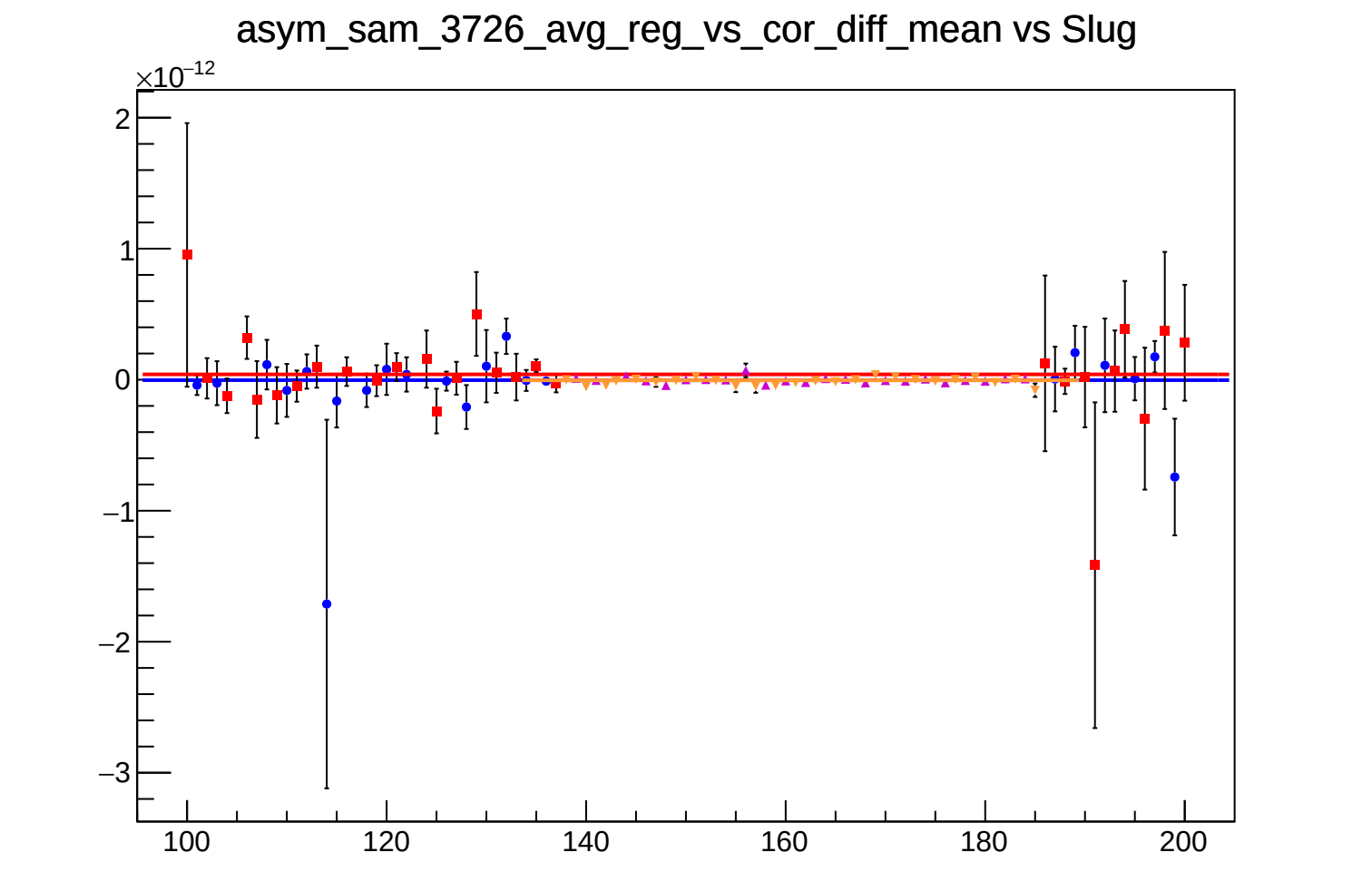
Right Out: 1447.897+/-0.293 χ^2/NDF: 2683858.6/27

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 543.305+/-0.078 χ^2/NDF: 12547562.1/46

All: 548.223+/-0.056 χ^2/NDF: 27521675.0/97

- sign 553.344+/-0.079 χ^2/NDF: 14965962.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/27

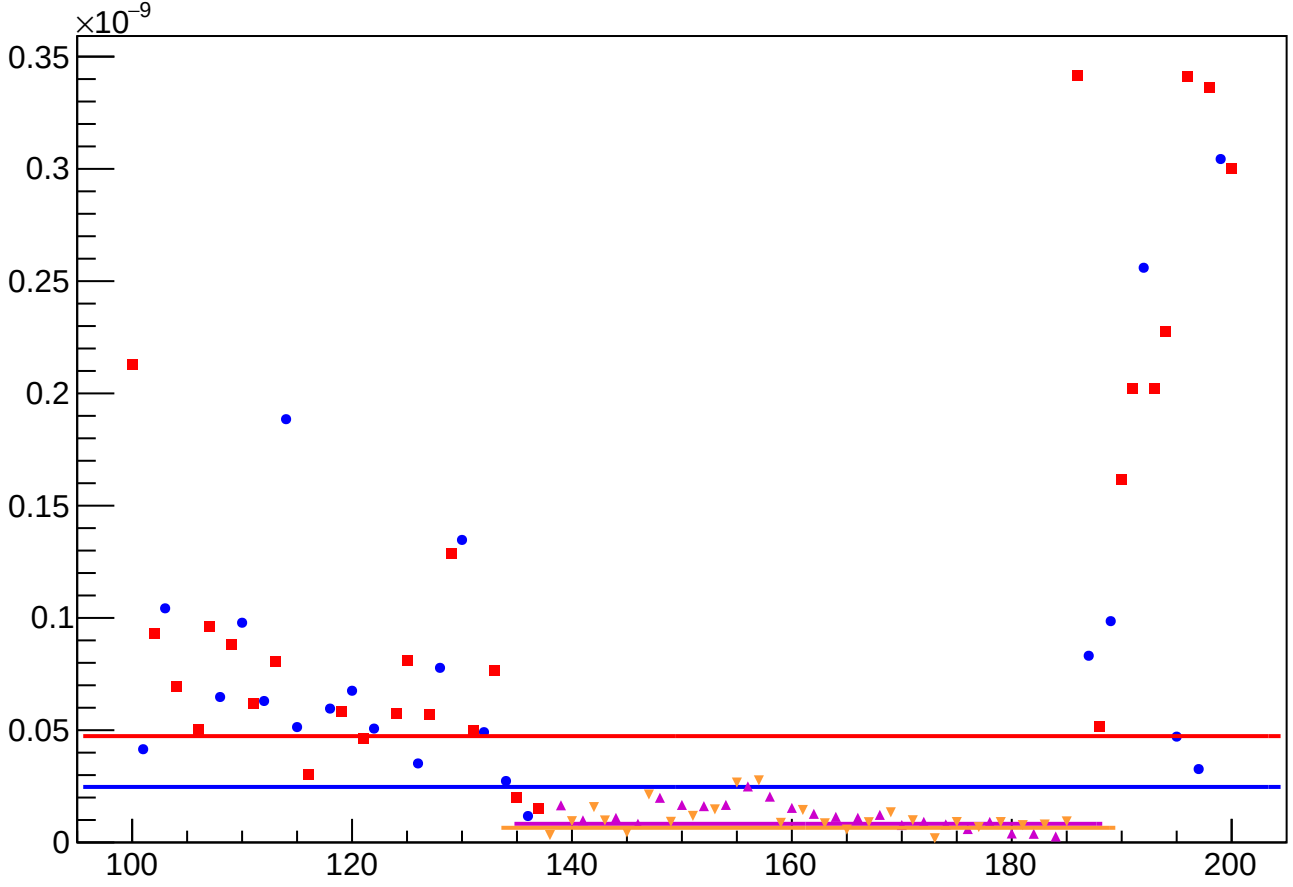
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/46

All: -0.000+/-0.000 χ^2/NDF: 86.1/97

- sign -0.000+/-0.000 χ^2/NDF: 37.1/50

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4925714.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225759.8/27

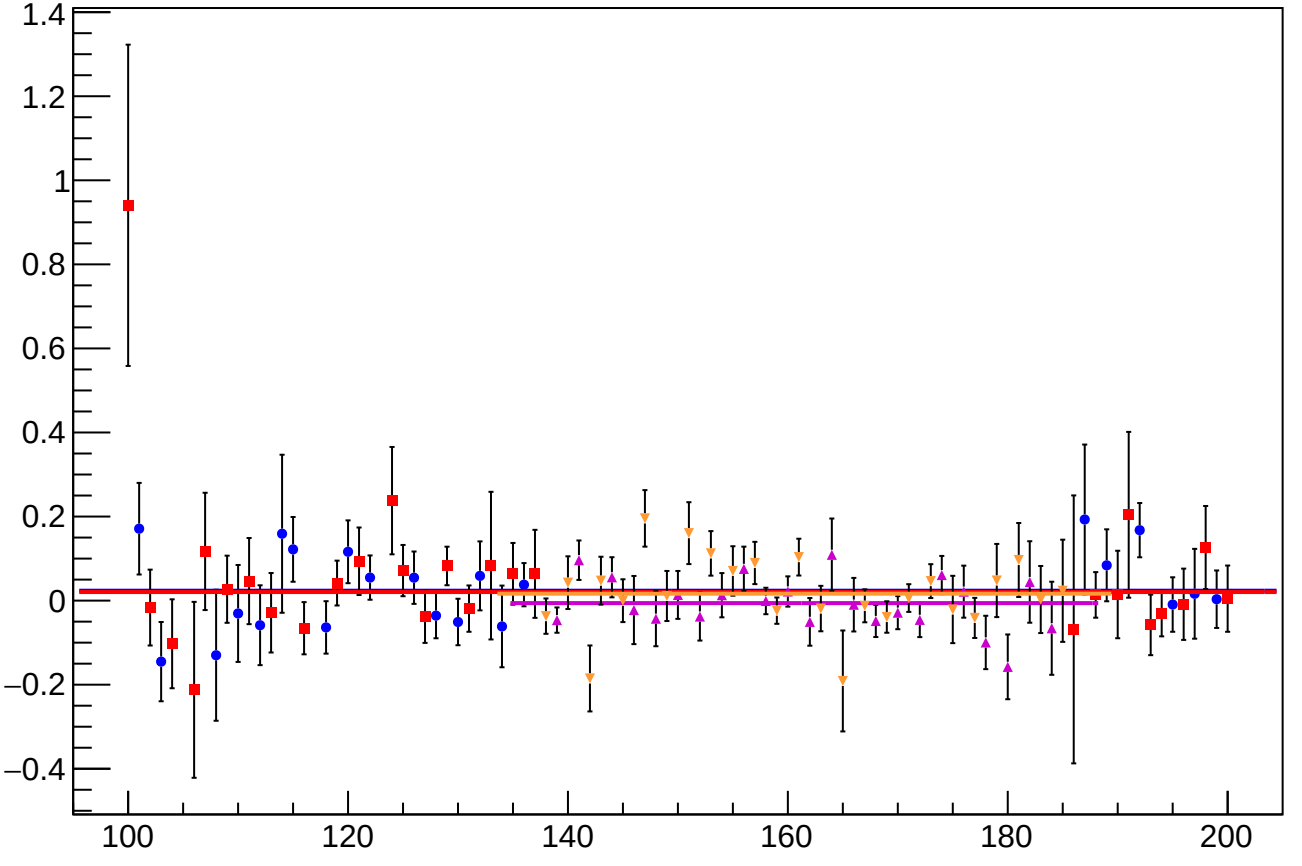
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10890483.5/46

All: 0.000+/-0.000 χ^2/NDF: 23760706.8/97

- sign 0.000+/-0.000 χ^2/NDF: 12537432.4/50

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.020+/-0.015 χ^2/NDF: 24.1/27

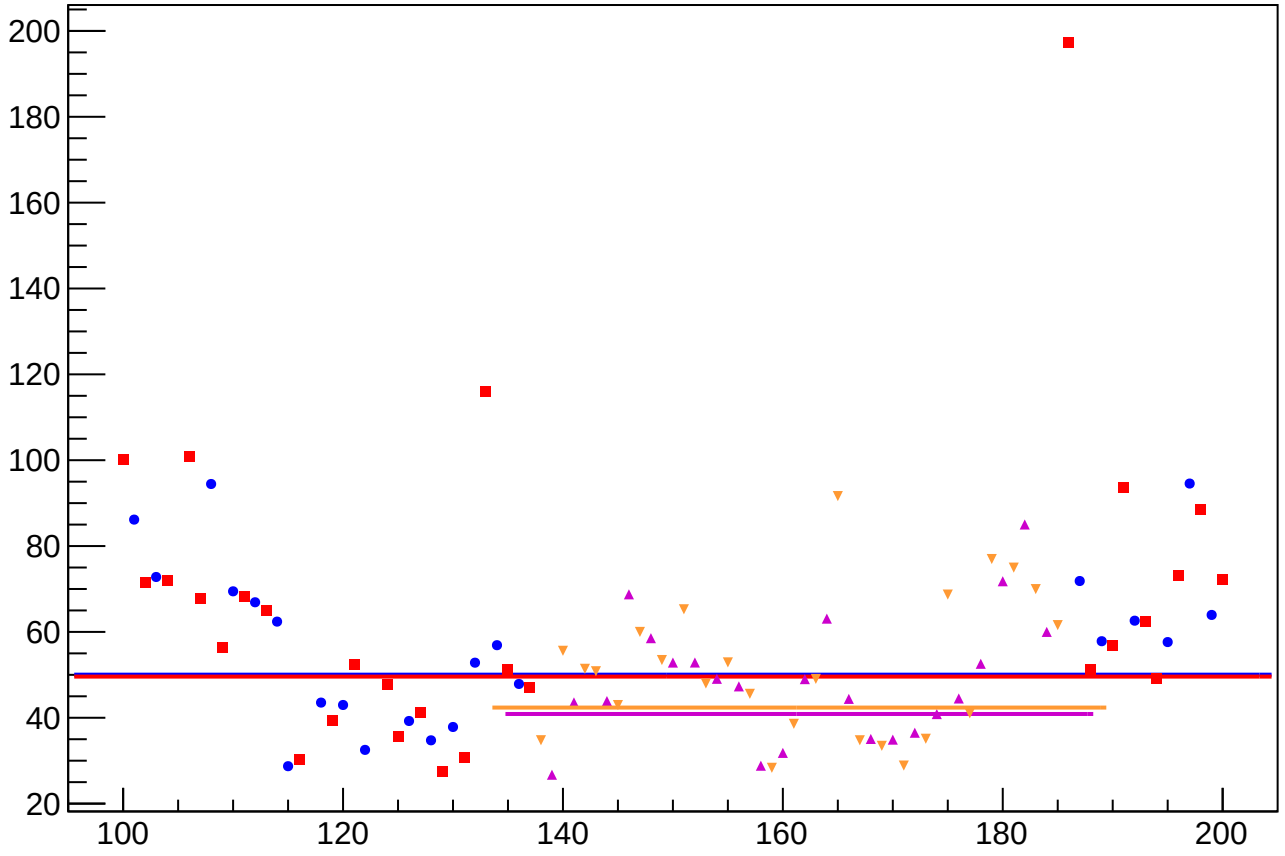
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/97

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

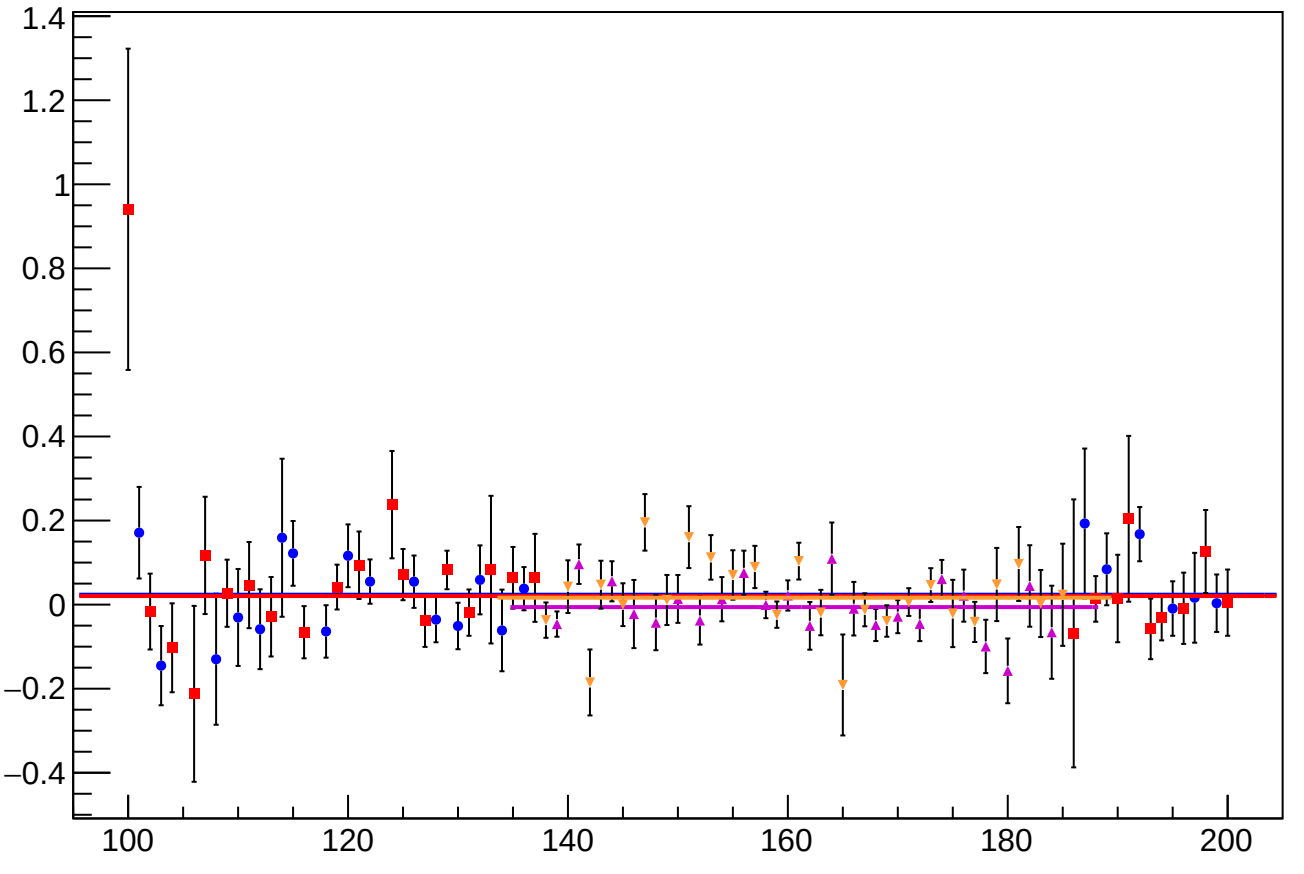
Right Out: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.644+/-0.006 χ^2/NDF: 5471102.7/46

All: 44.160+/-0.004 χ^2/NDF: 11789073.3/97

- sign 43.701+/-0.006 χ^2/NDF: 6305876.7/50



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.020+/-0.015 χ^2/NDF: 24.1/27

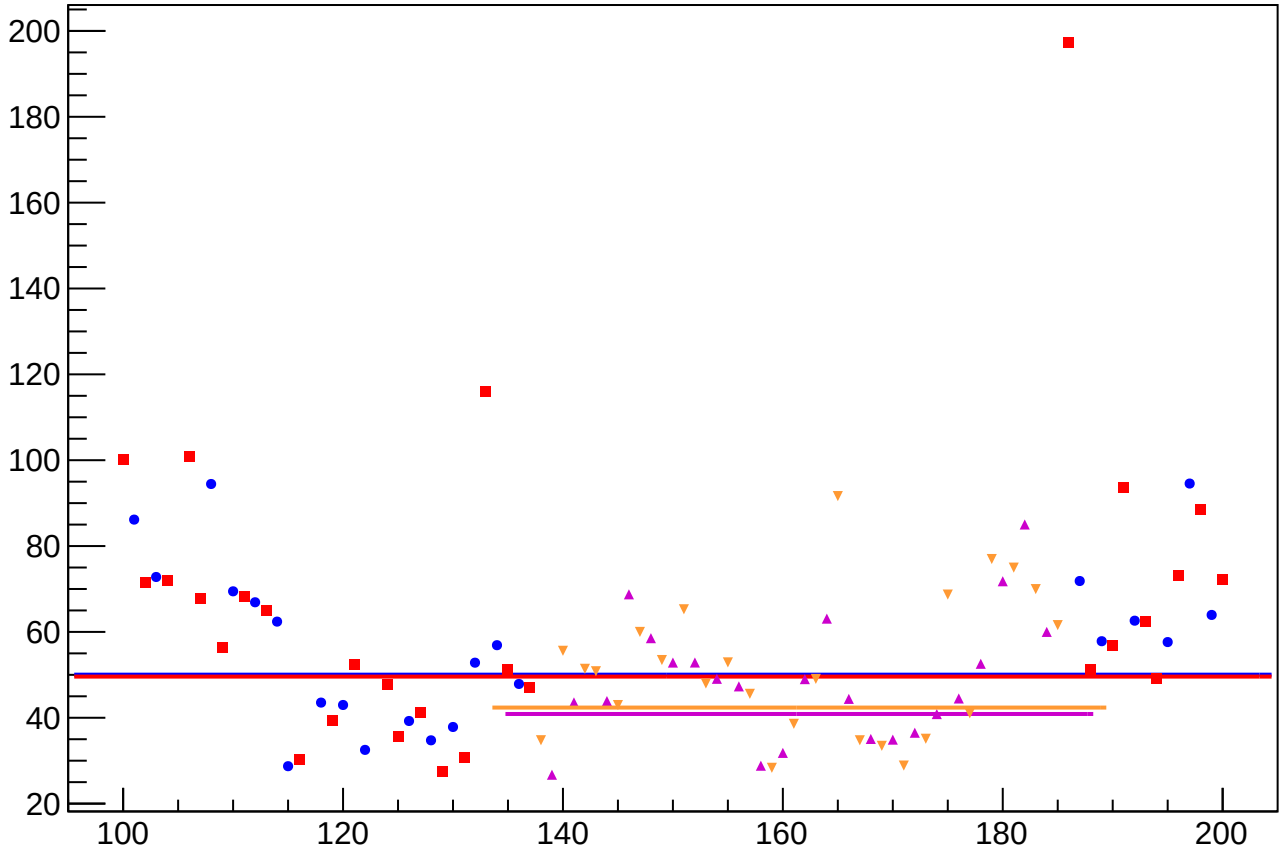
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/97

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

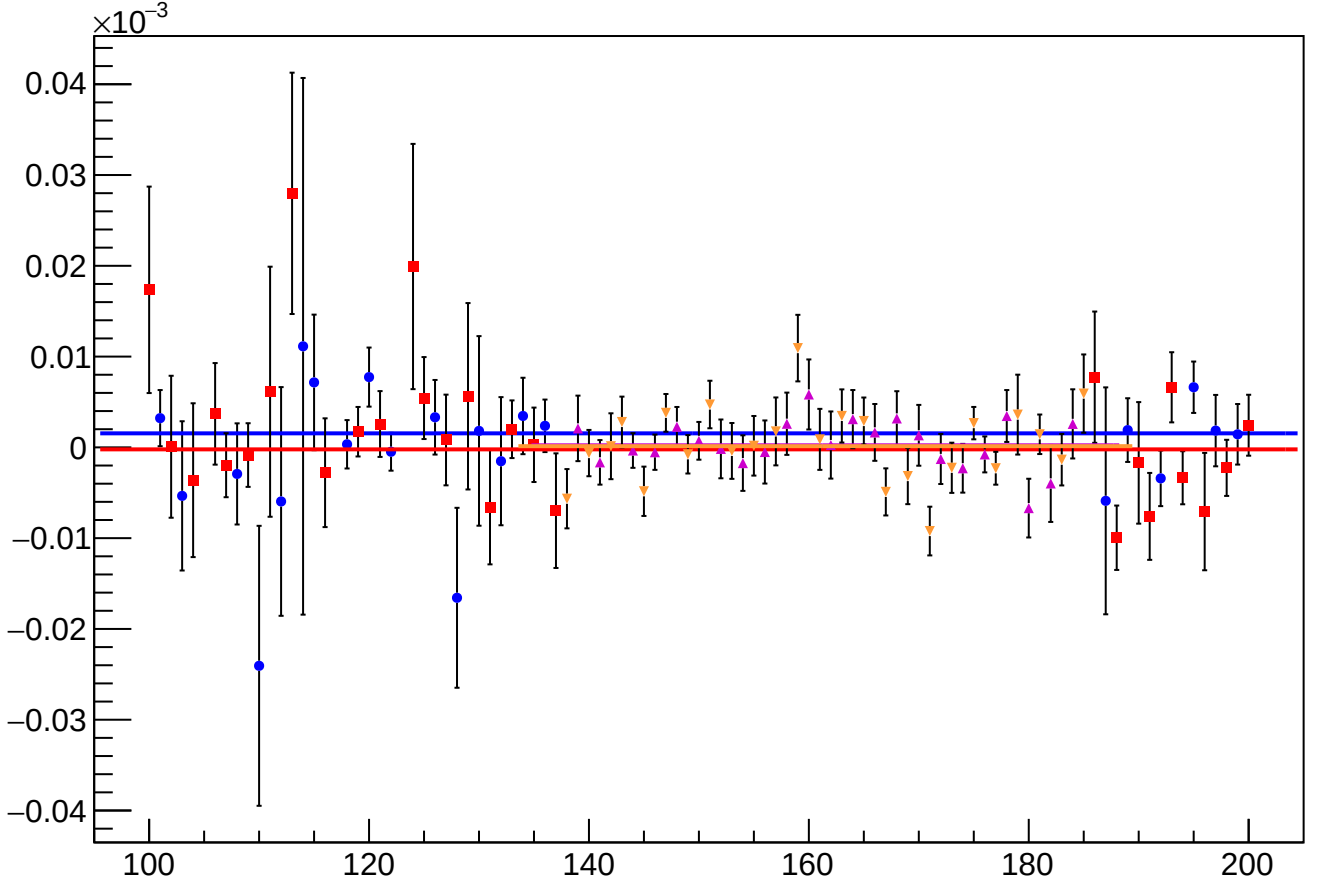
Right Out: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.644+/-0.006 χ^2/NDF: 5471102.7/46

All: 44.160+/-0.004 χ^2/NDF: 11789073.3/97

- sign 43.701+/-0.006 χ^2/NDF: 6305876.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

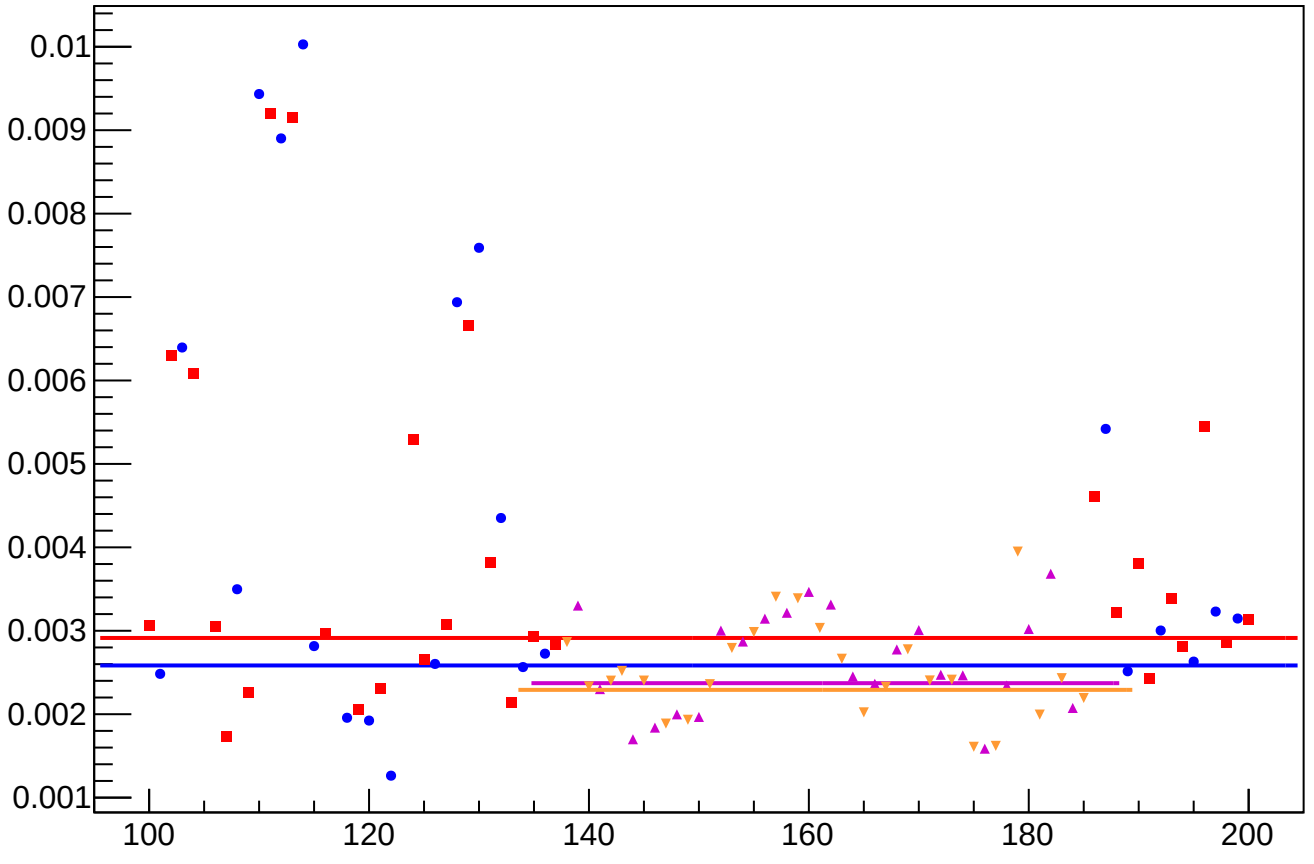
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/27

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.3/46

All: 0.000+/-0.000 χ^2/NDF: 122.6/97

- sign 0.000+/-0.000 χ^2/NDF: 49.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 3737160.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

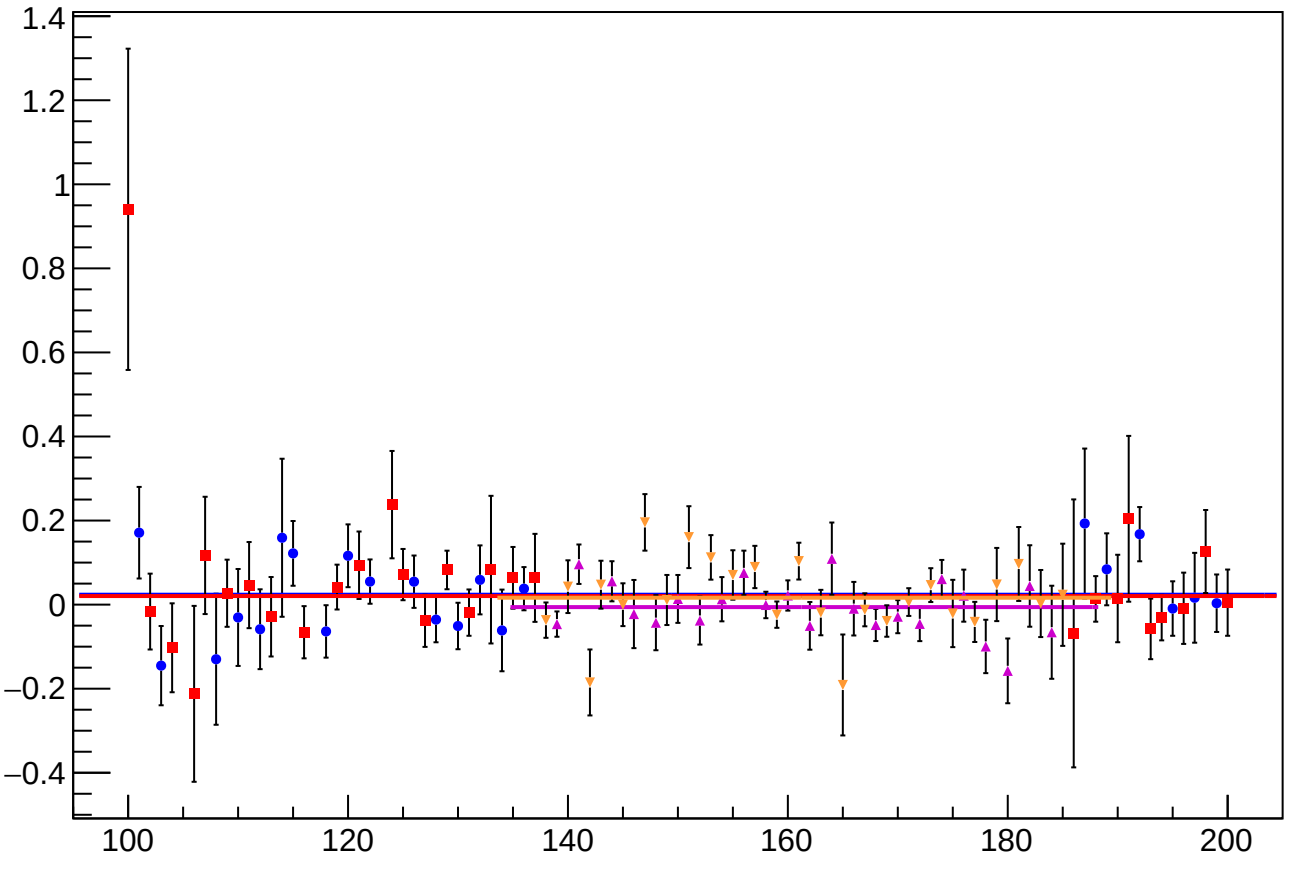
Right Out: 0.003+/-0.000 χ^2/NDF: 3091501.0/27

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5726315.4/46

All: 0.002+/-0.000 χ^2/NDF: 11513683.8/97

- sign 0.003+/-0.000 χ^2/NDF: 5661526.9/50



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.020+/-0.015 χ^2/NDF: 24.1/27

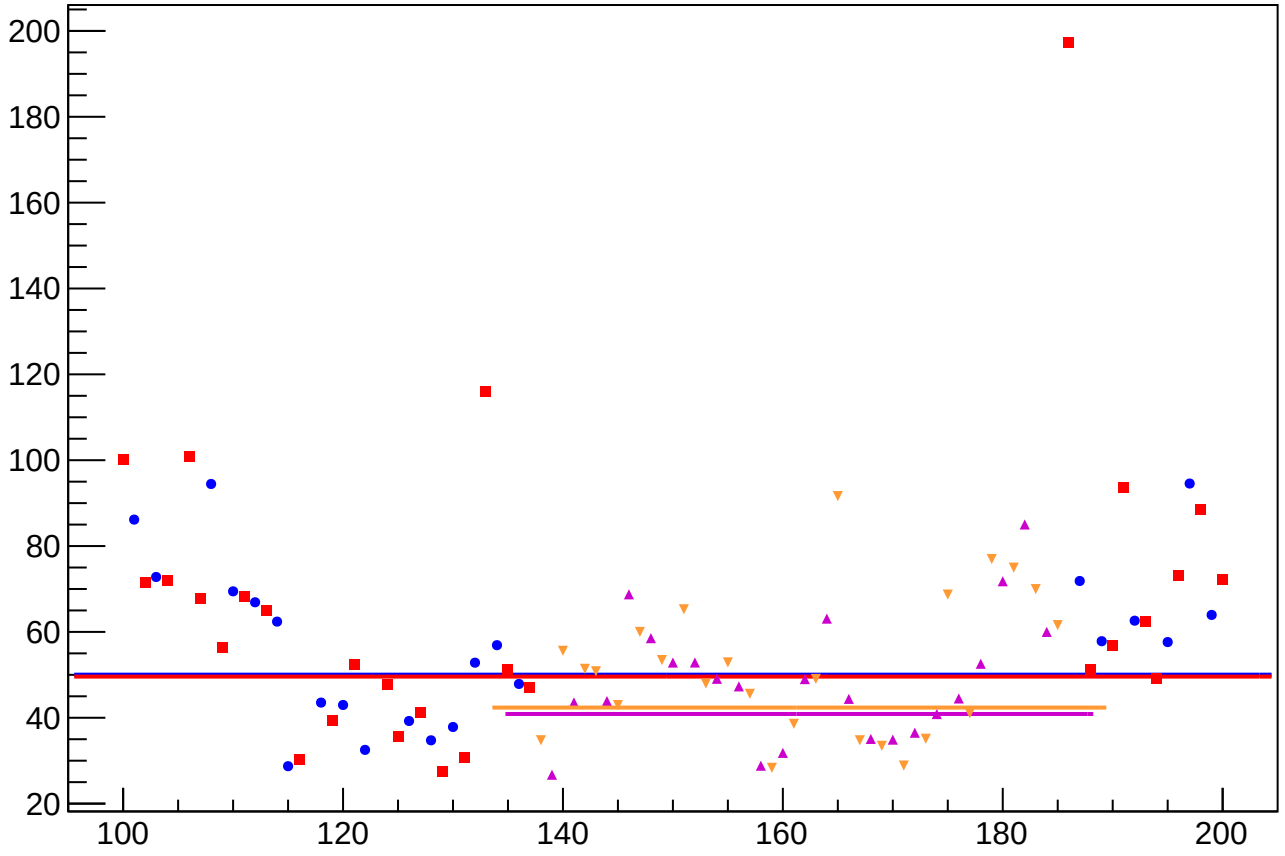
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/97

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

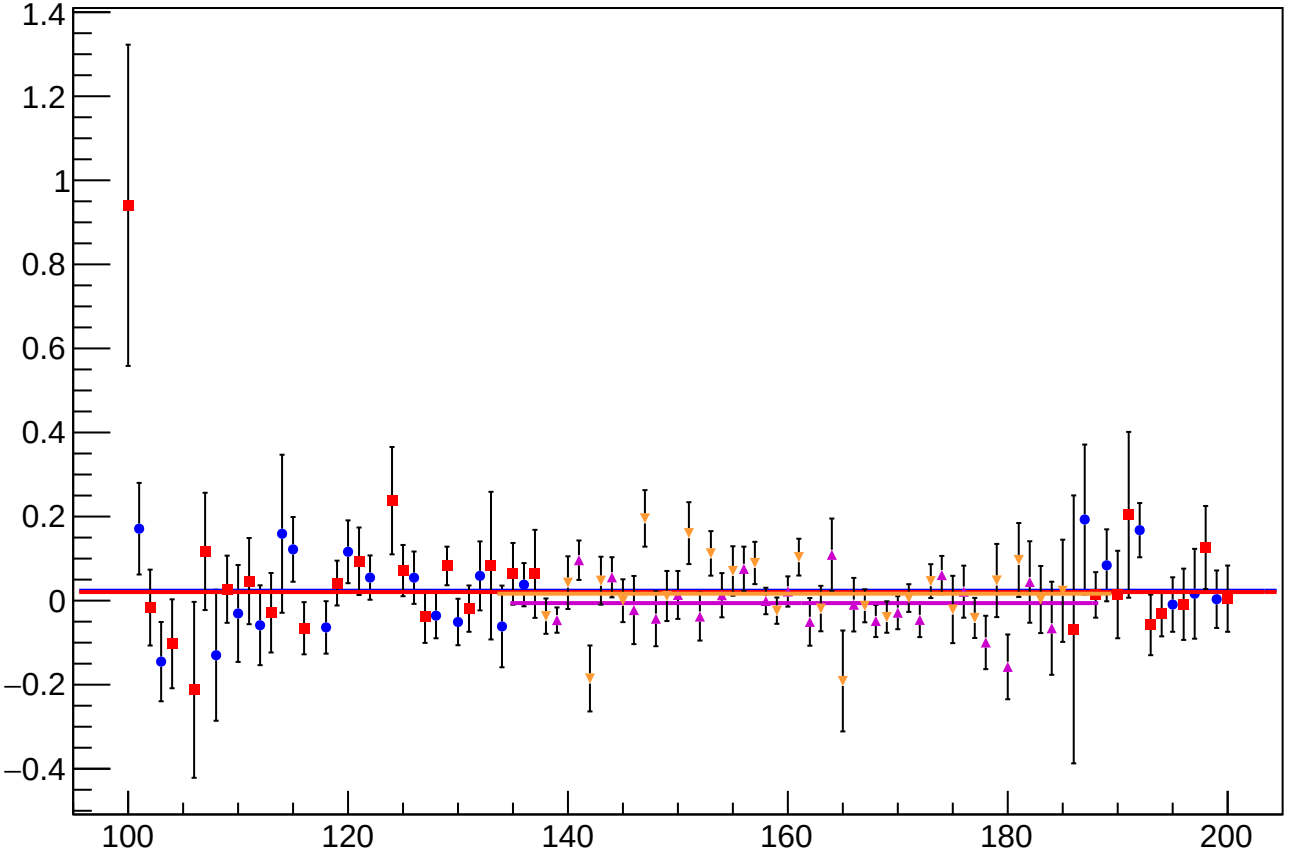
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

\+ sign 44.644+/-0.006 χ^2/NDF: 5471050.2/46

All: 44.160+/-0.004 χ^2/NDF: 11788907.3/97

\- sign 43.702+/-0.006 χ^2/NDF: 6305766.3/50

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

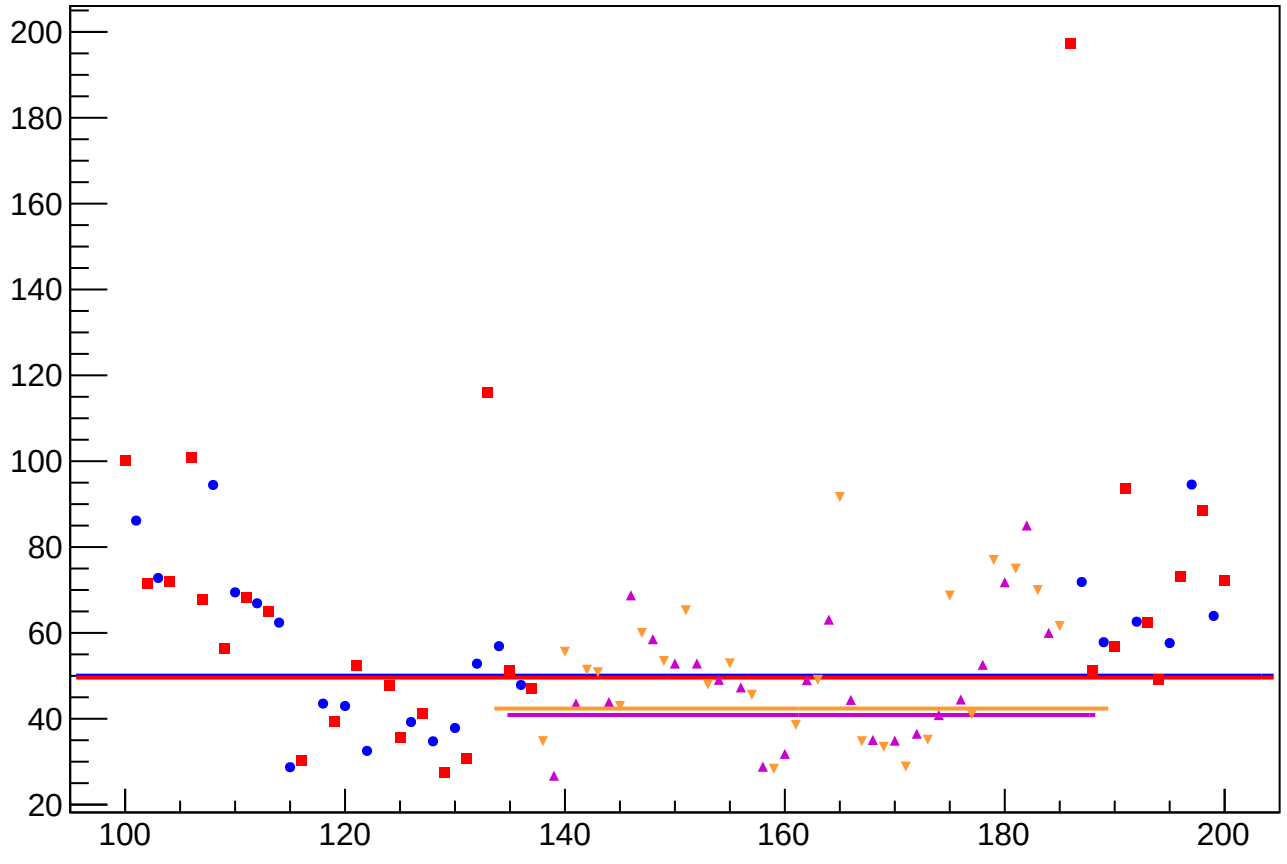
Right Out: 0.020+/-0.015 χ^2/NDF: 24.1/27

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/97

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

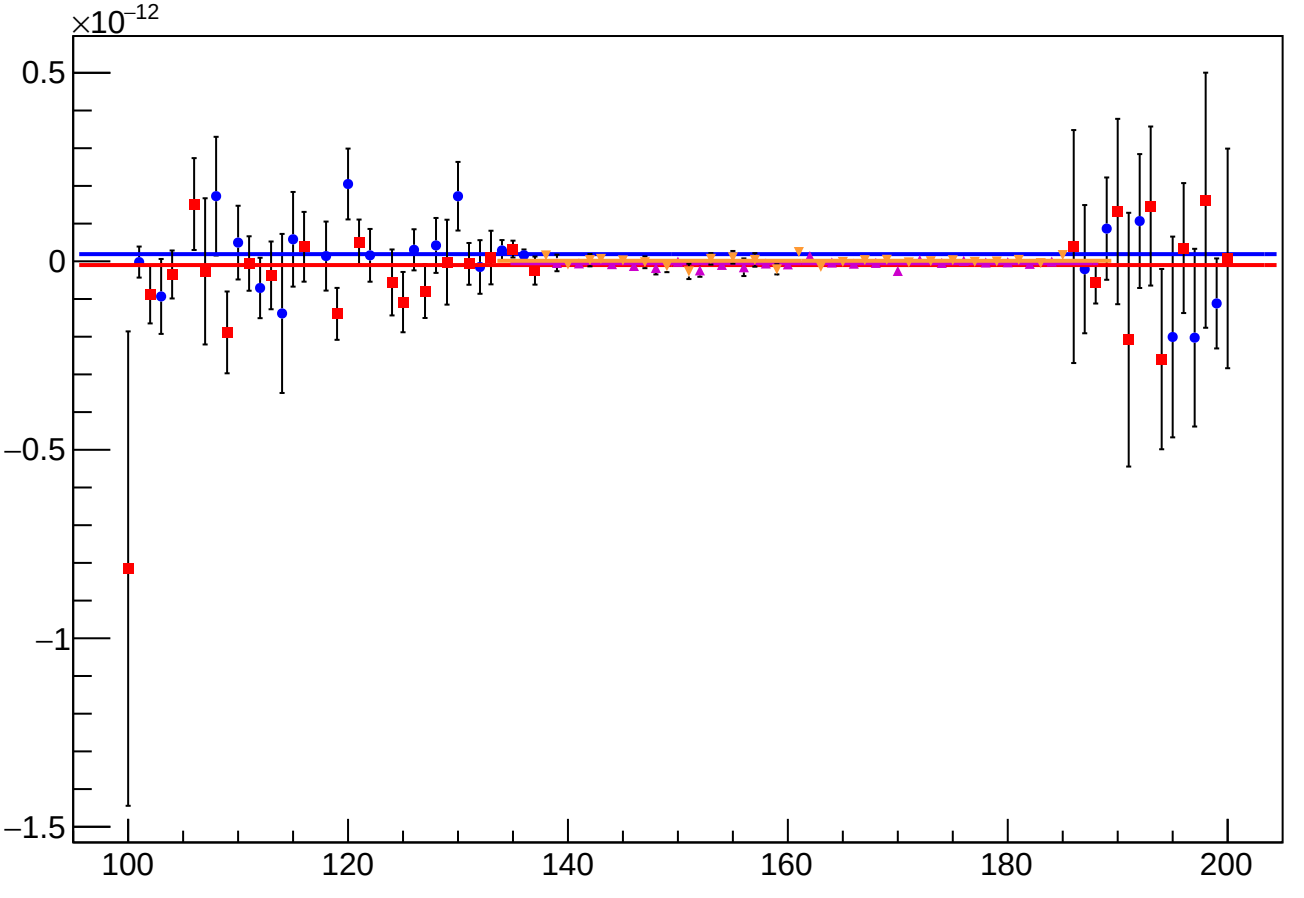
Right Out: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

\+ sign 44.644+/-0.006 χ^2/NDF: 5471050.2/46

All: 44.160+/-0.004 χ^2/NDF: 11788907.3/97

\- sign 43.702+/-0.006 χ^2/NDF: 6305766.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

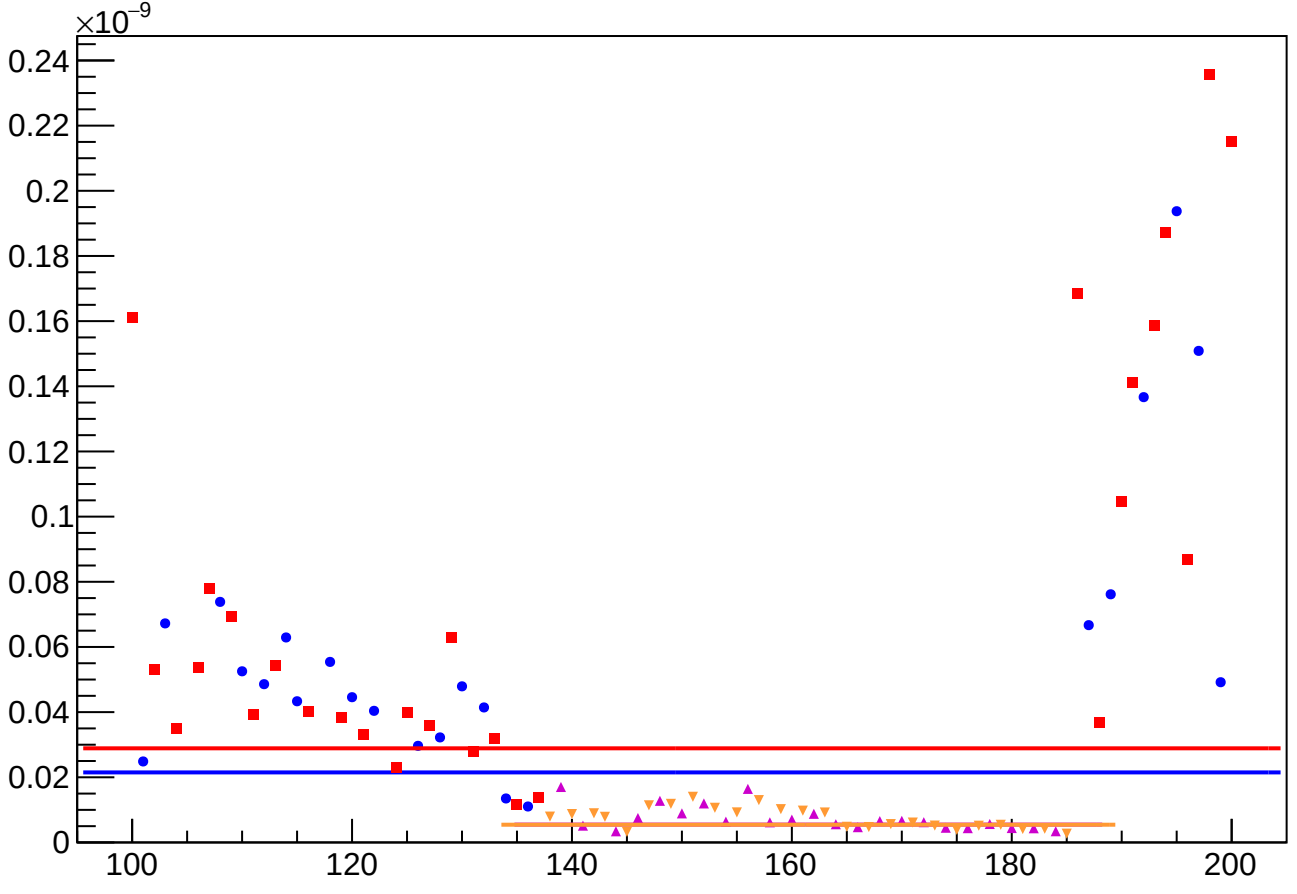
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/46

All: -0.000+/-0.000 χ^2/NDF: 80.9/97

- sign -0.000+/-0.000 χ^2/NDF: 35.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 6150448.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7113972.6/27

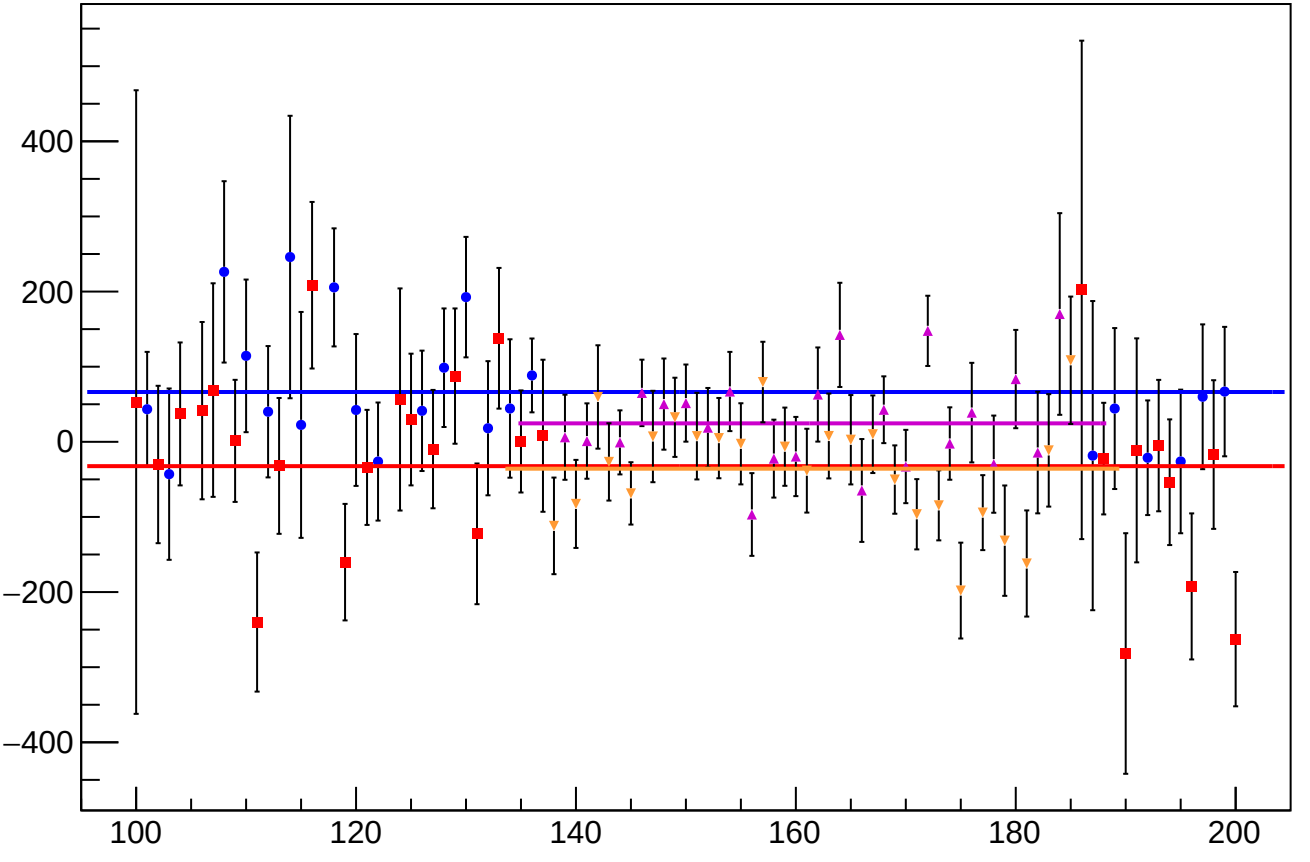
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14076731.9/46

All: 0.000+/-0.000 χ^2/NDF: 30220634.0/97

- sign 0.000+/-0.000 χ^2/NDF: 16142146.2/50

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 66.308+/-18.888 χ^2/NDF: 14.4/21

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -32.385+/-18.194 χ^2/NDF: 33.9/27

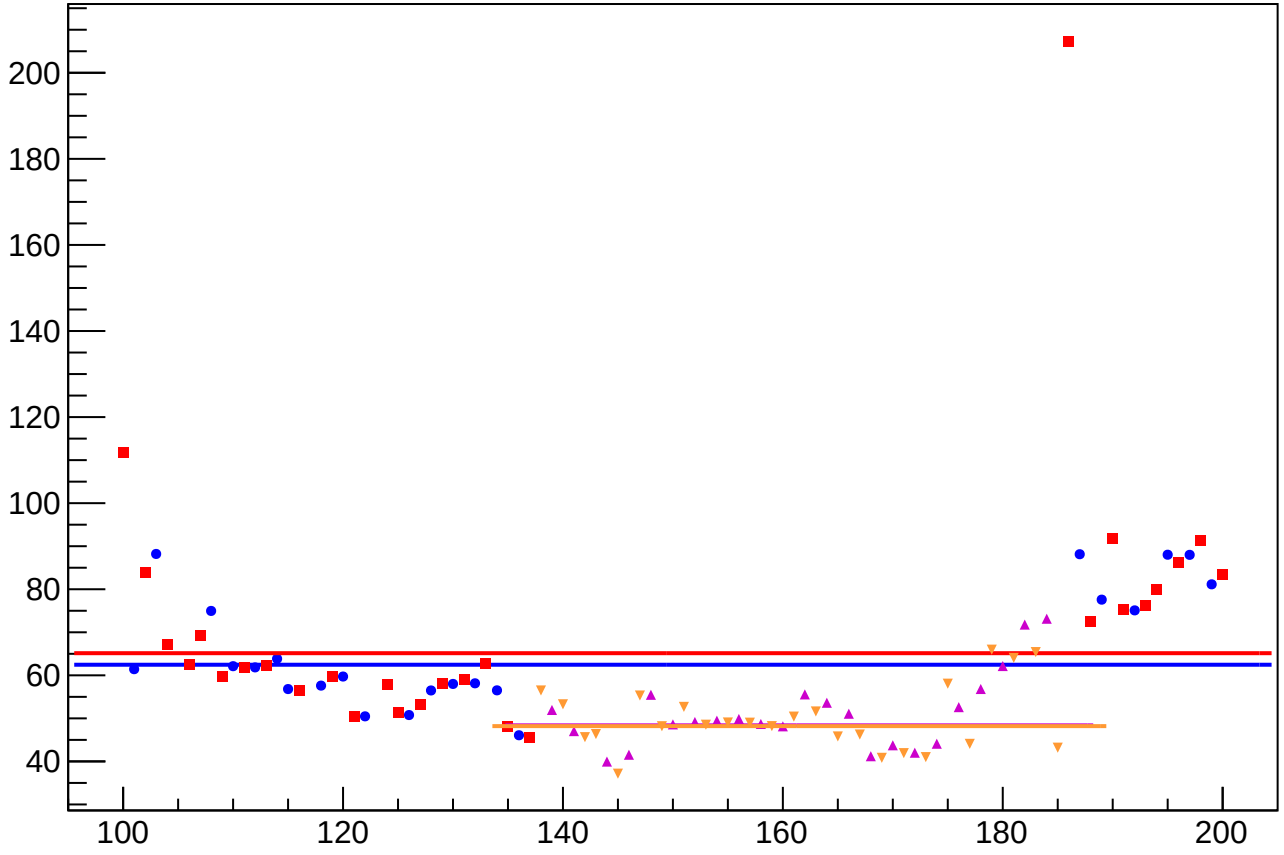
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -9.511+/-9.582 χ^2/NDF: 69.8/46

All: -0.683+/-6.818 χ^2/NDF: 138.2/97

- sign 8.371+/-9.703 χ^2/NDF: 66.7/50

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981263.5/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.145+/-0.013 χ^2/NDF: 1386598.2/27

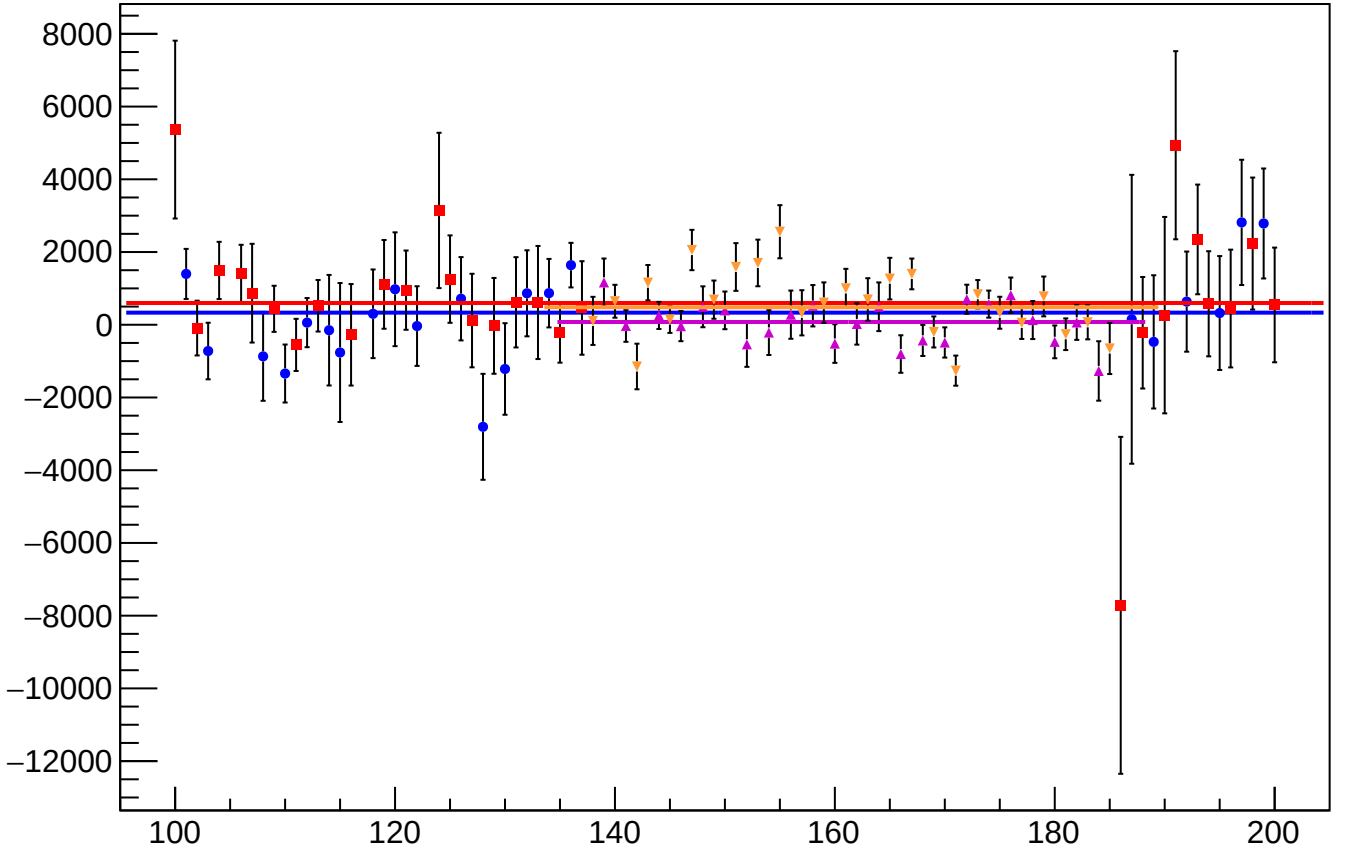
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608427.3/46

All: 52.501+/-0.005 χ^2/NDF: 5923141.7/97

- sign 53.149+/-0.007 χ^2/NDF: 3297091.1/50

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 333.044+/-227.885 χ^2/NDF: 26.8/21

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 598.530+/-212.581 χ^2/NDF: 21.9/27

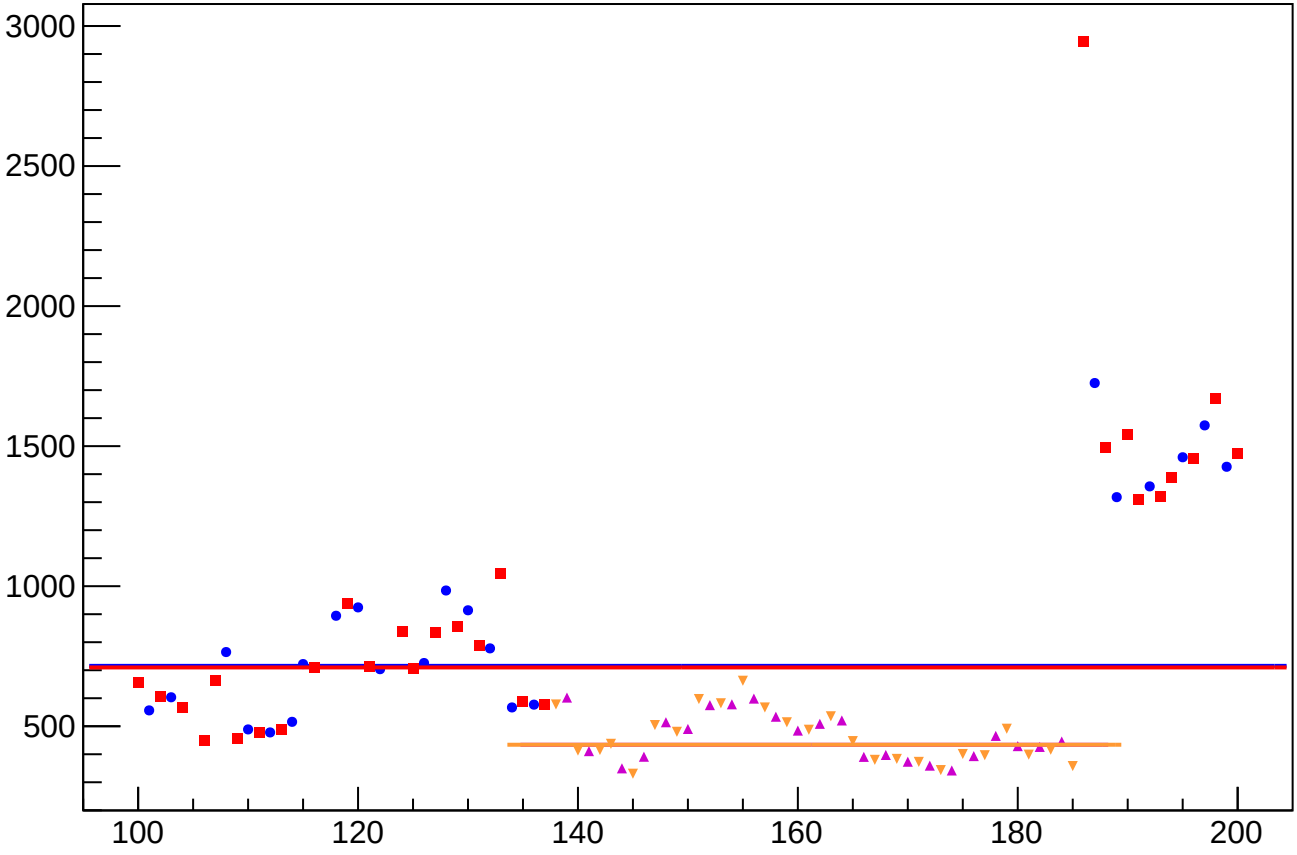
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 456.242+/-91.974 χ^2/NDF: 96.3/46

All: 316.992+/-65.321 χ^2/NDF: 152.3/97

- sign 175.274+/-92.786 χ^2/NDF: 51.3/50

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 715.533+/-0.161 χ^2/NDF: 3119502.2/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 709.921+/-0.150 χ^2/NDF: 4844452.0/27

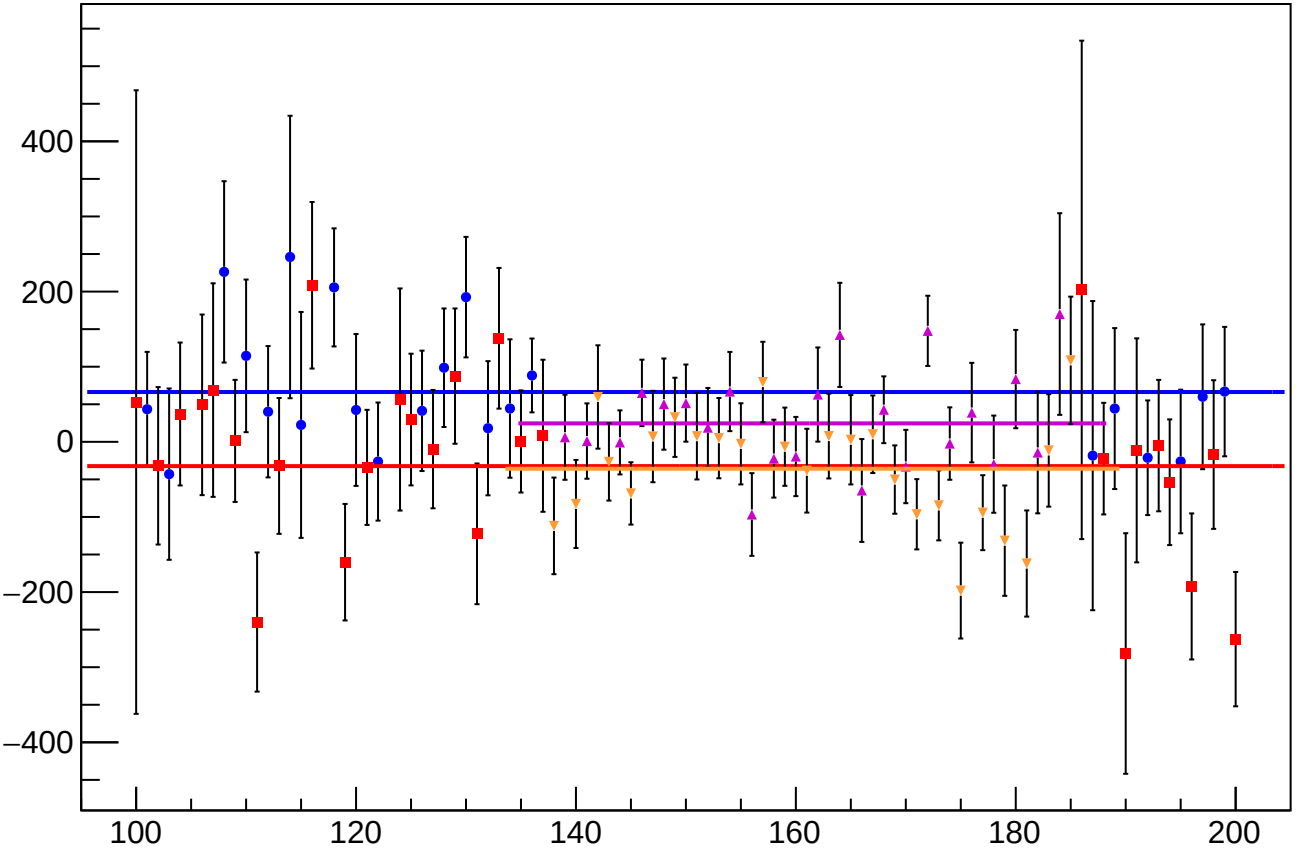
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919482.6/46

All: 483.049+/-0.046 χ^2/NDF: 15596706.3/97

- sign 486.340+/-0.066 χ^2/NDF: 8672232.6/50

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -32.325+/-18.202 χ^2/NDF: 34.0/27

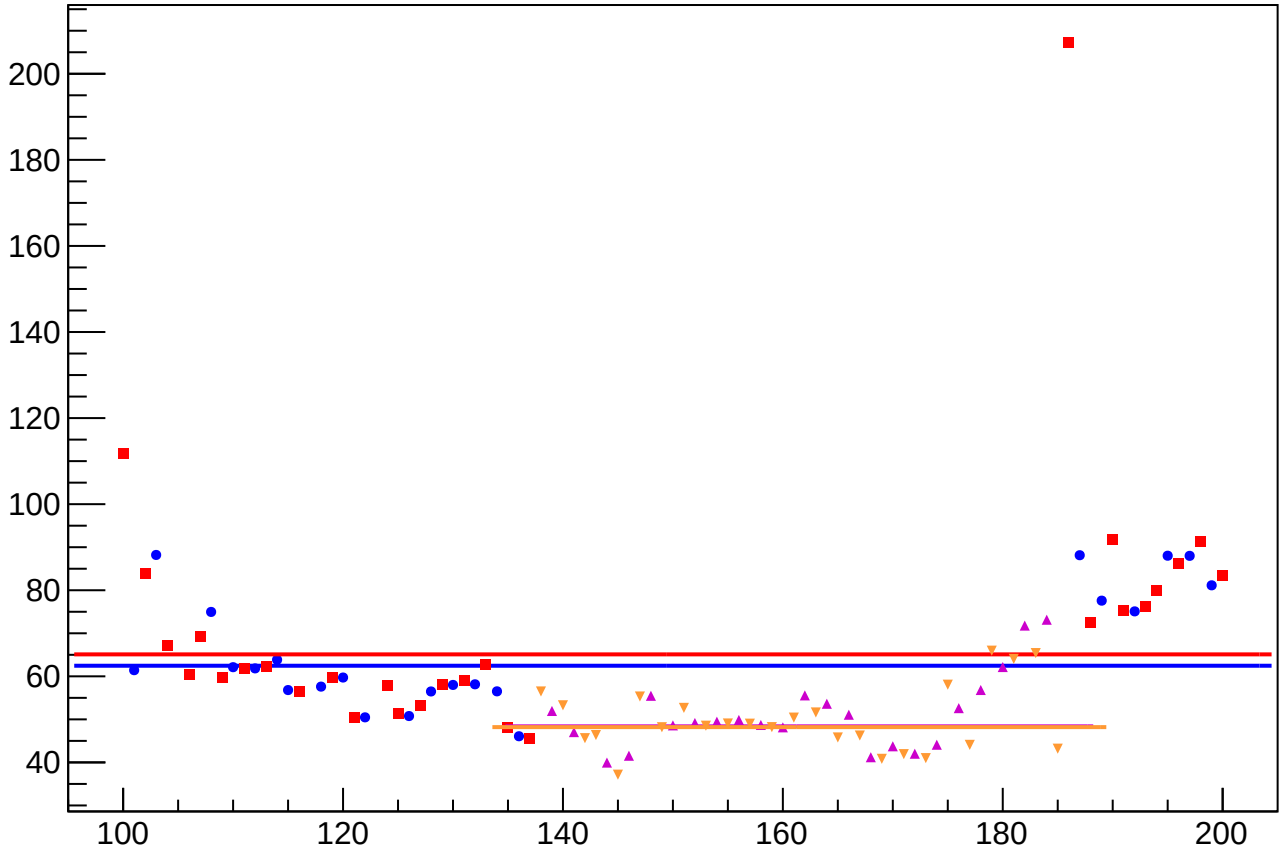
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -9.515+/-9.582 χ^2/NDF: 69.8/46

All: -0.671+/-6.819 χ^2/NDF: 138.3/97

- sign 8.399+/-9.705 χ^2/NDF: 66.7/50

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

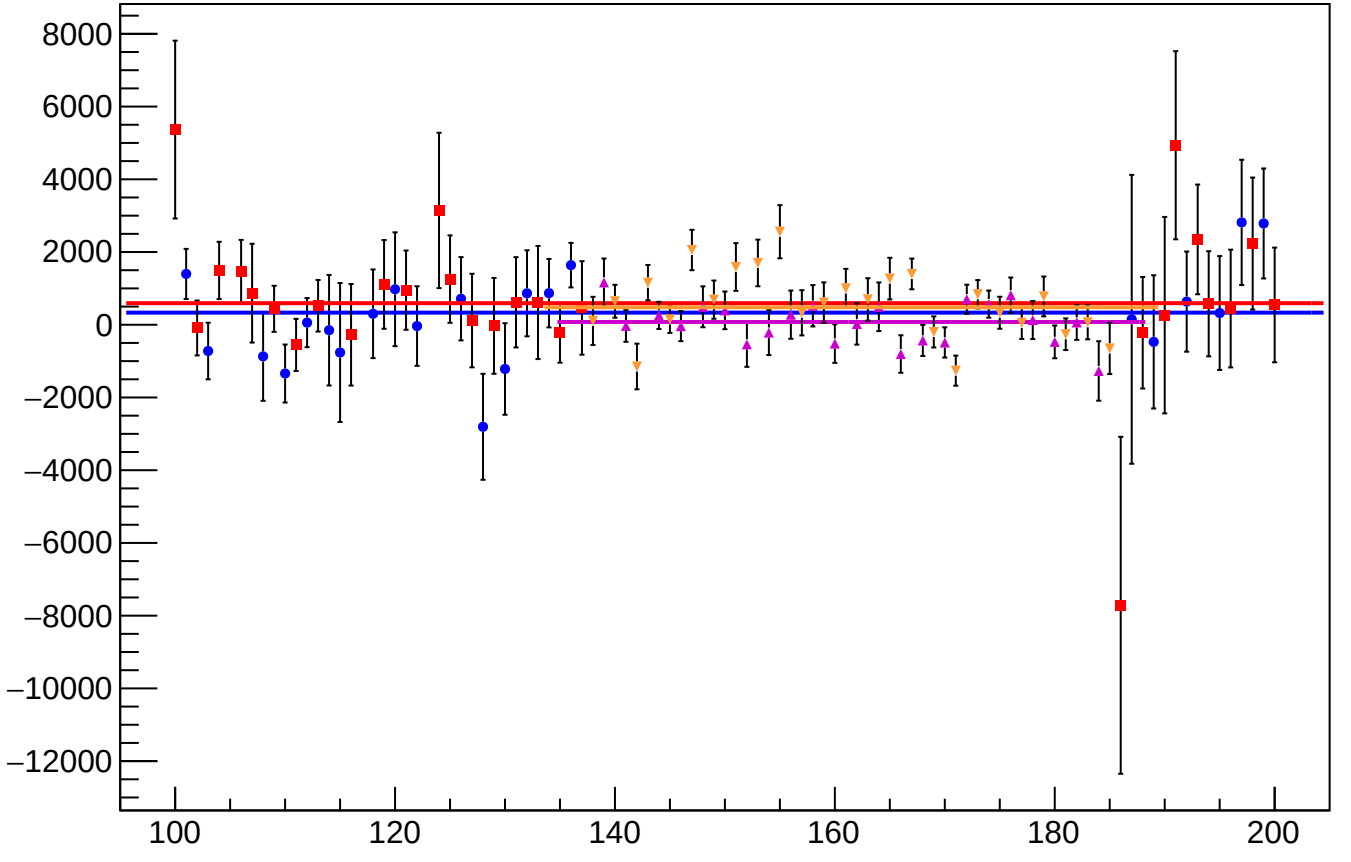
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608431.2/46

All: 52.493+/-0.005 χ^2/NDF: 5917834.6/97

- sign 53.134+/-0.007 χ^2/NDF: 3292206.7/50

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 593.345+/-213.817 χ^2/NDF: 21.9/27

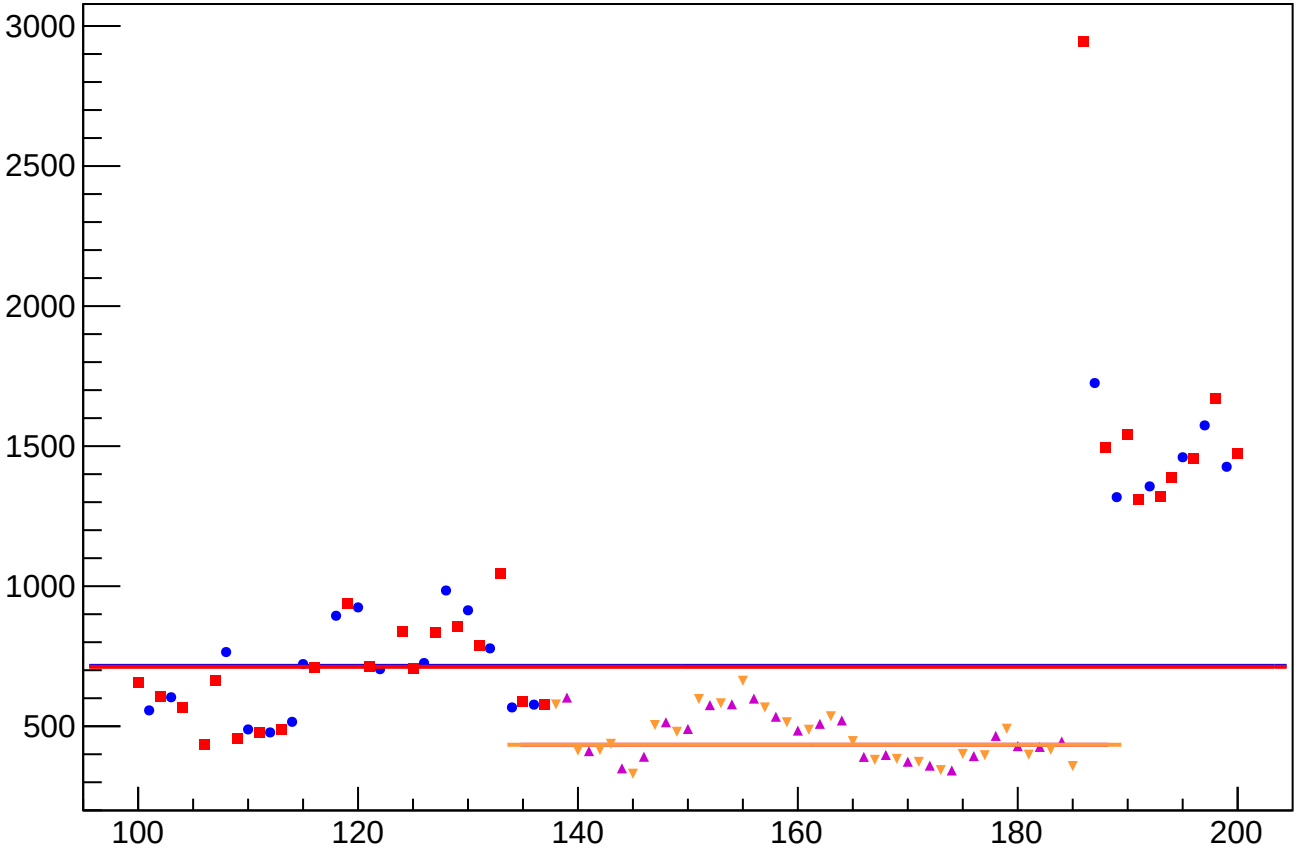
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 456.244+/-91.974 χ^2/NDF: 96.3/46

All: 316.203+/-65.356 χ^2/NDF: 152.1/97

- sign 173.366+/-92.888 χ^2/NDF: 51.1/50

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

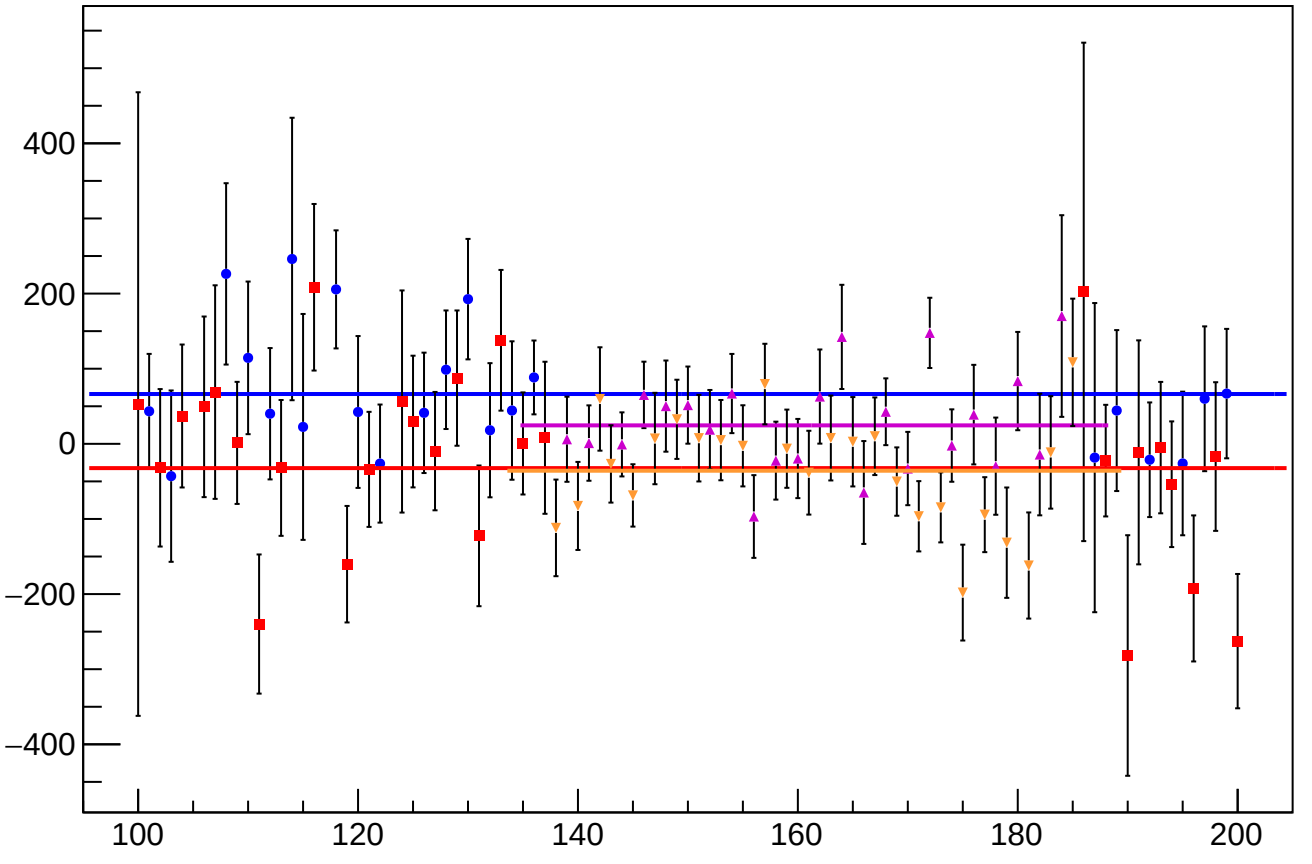
Right Out: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919509.4/46

All: 483.013+/-0.046 χ^2/NDF: 15599286.9/97

- sign 486.275+/-0.066 χ^2/NDF: 8674892.0/50



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -32.325+/-18.202 χ^2/NDF: 34.0/27

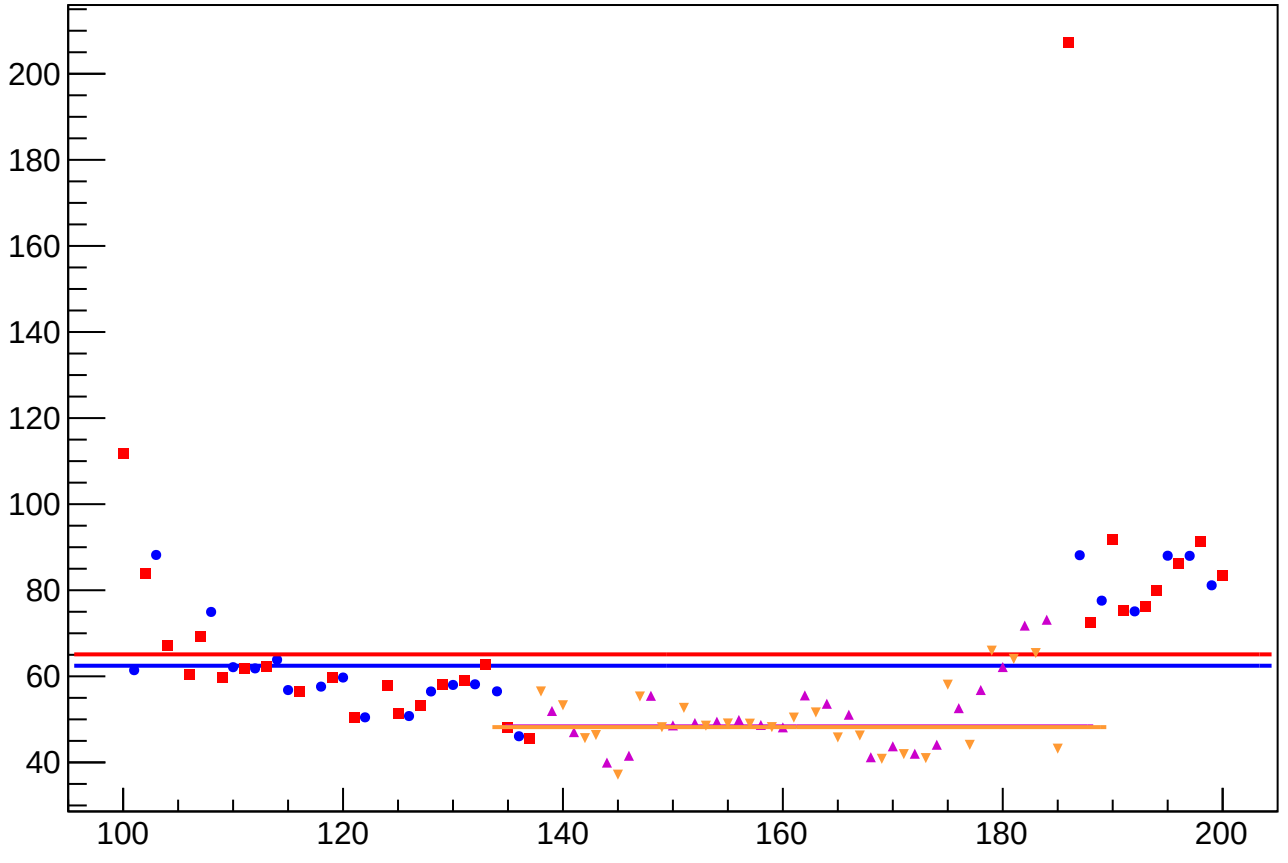
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -9.515+/-9.582 χ^2/NDF: 69.8/46

All: -0.671+/-6.819 χ^2/NDF: 138.3/97

- sign 8.399+/-9.705 χ^2/NDF: 66.7/50

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

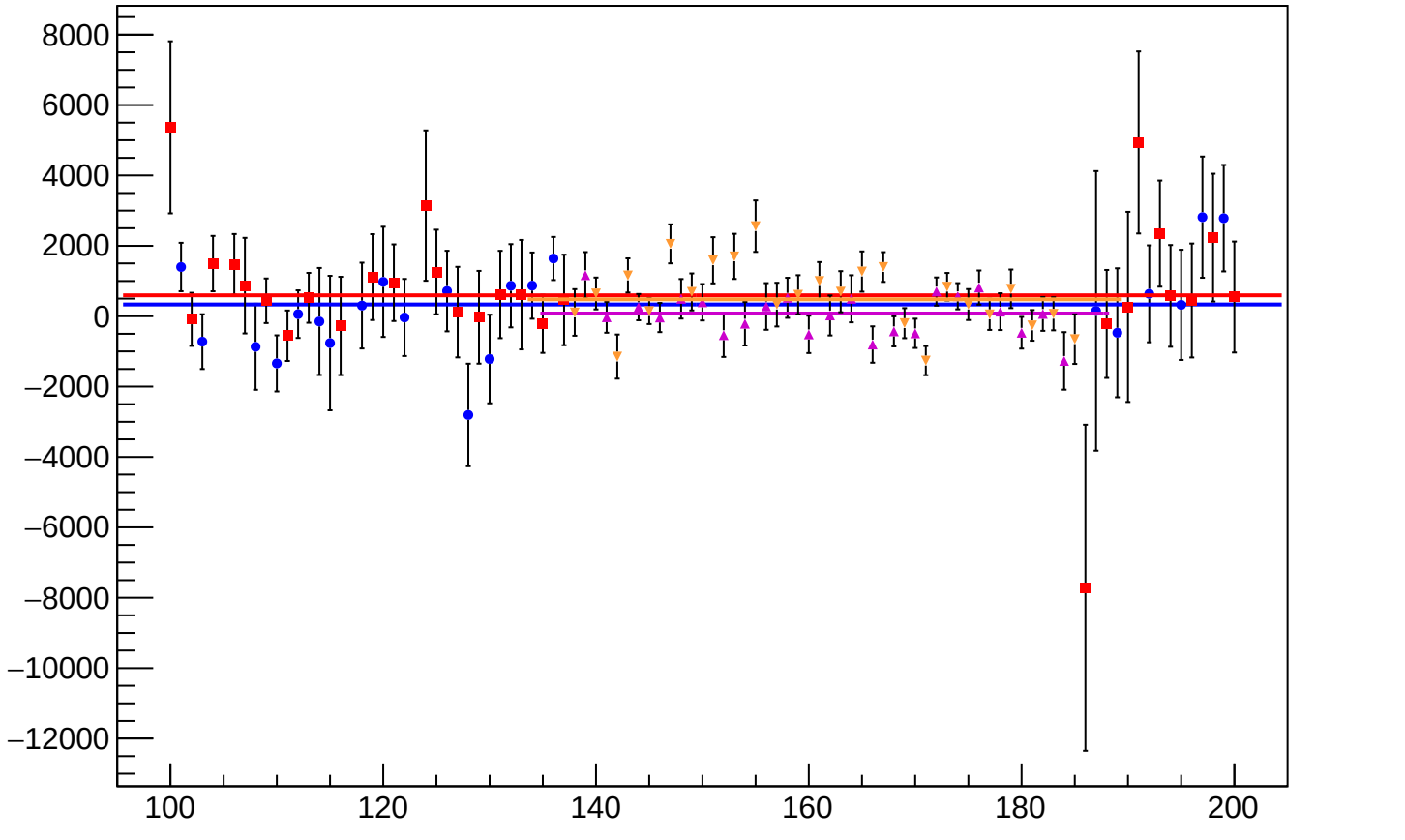
Right Out: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608431.2/46

All: 52.493+/-0.005 χ^2/NDF: 5917834.6/97

- sign 53.134+/-0.007 χ^2/NDF: 3292206.7/50



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

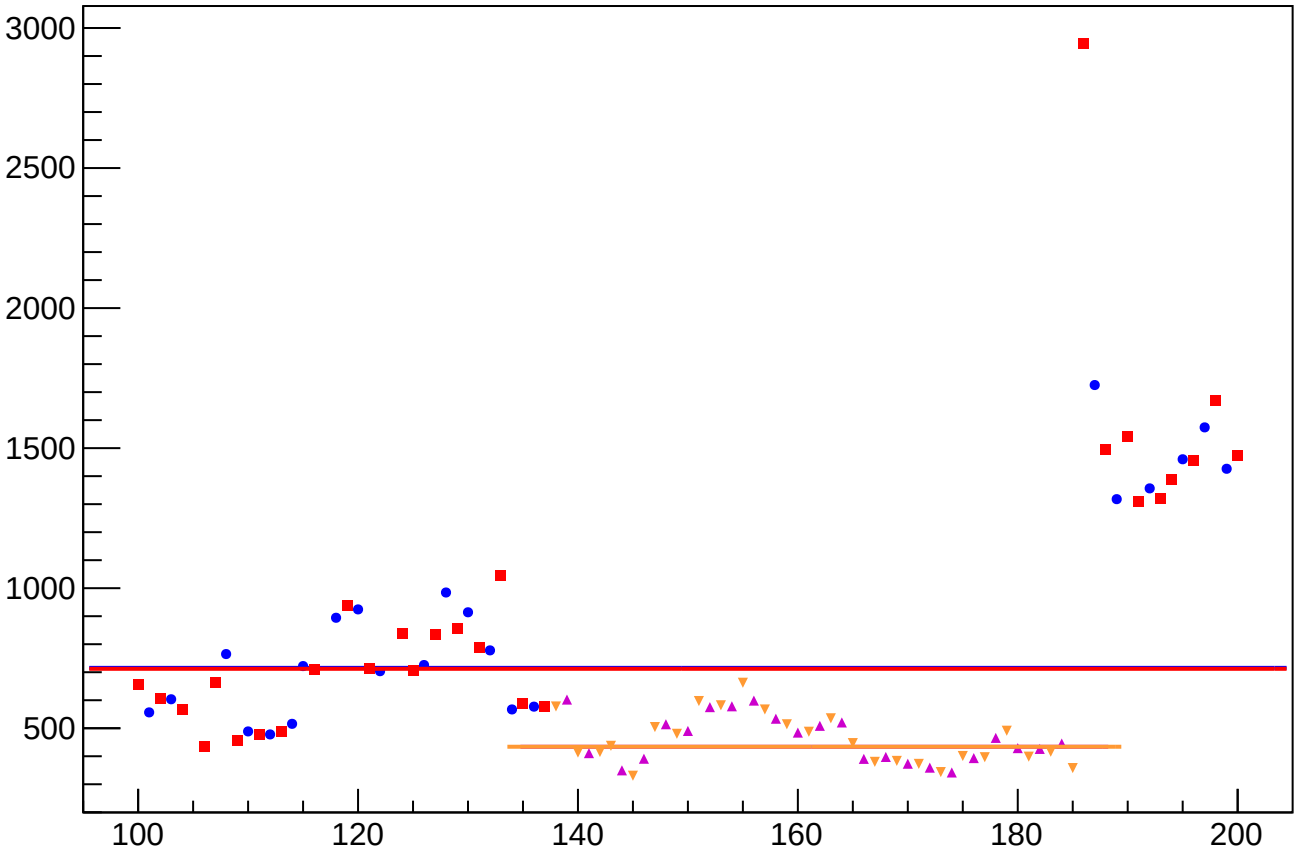
Right Out: 593.345+/-213.817 χ^2/NDF: 21.9/27

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 456.244+/-91.974 χ^2/NDF: 96.3/46

All: 316.203+/-65.356 χ^2/NDF: 152.1/97

- sign 173.366+/-92.888 χ^2/NDF: 51.1/50



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

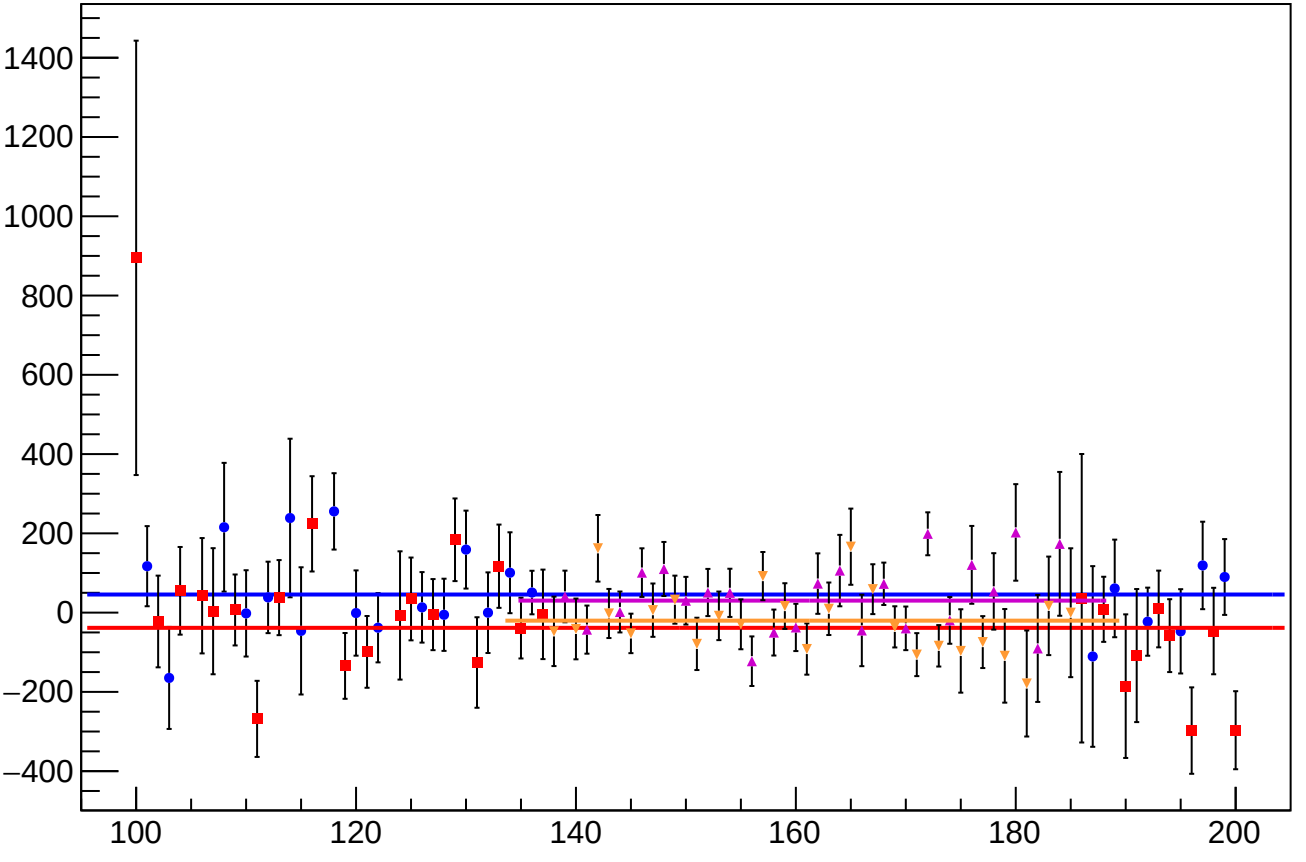
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919509.4/46

All: 483.013+/-0.046 χ^2/NDF: 15599286.9/97

- sign 486.275+/-0.066 χ^2/NDF: 8674892.0/50

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.676+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -38.393+/-20.378 χ^2/NDF: 39.3/27

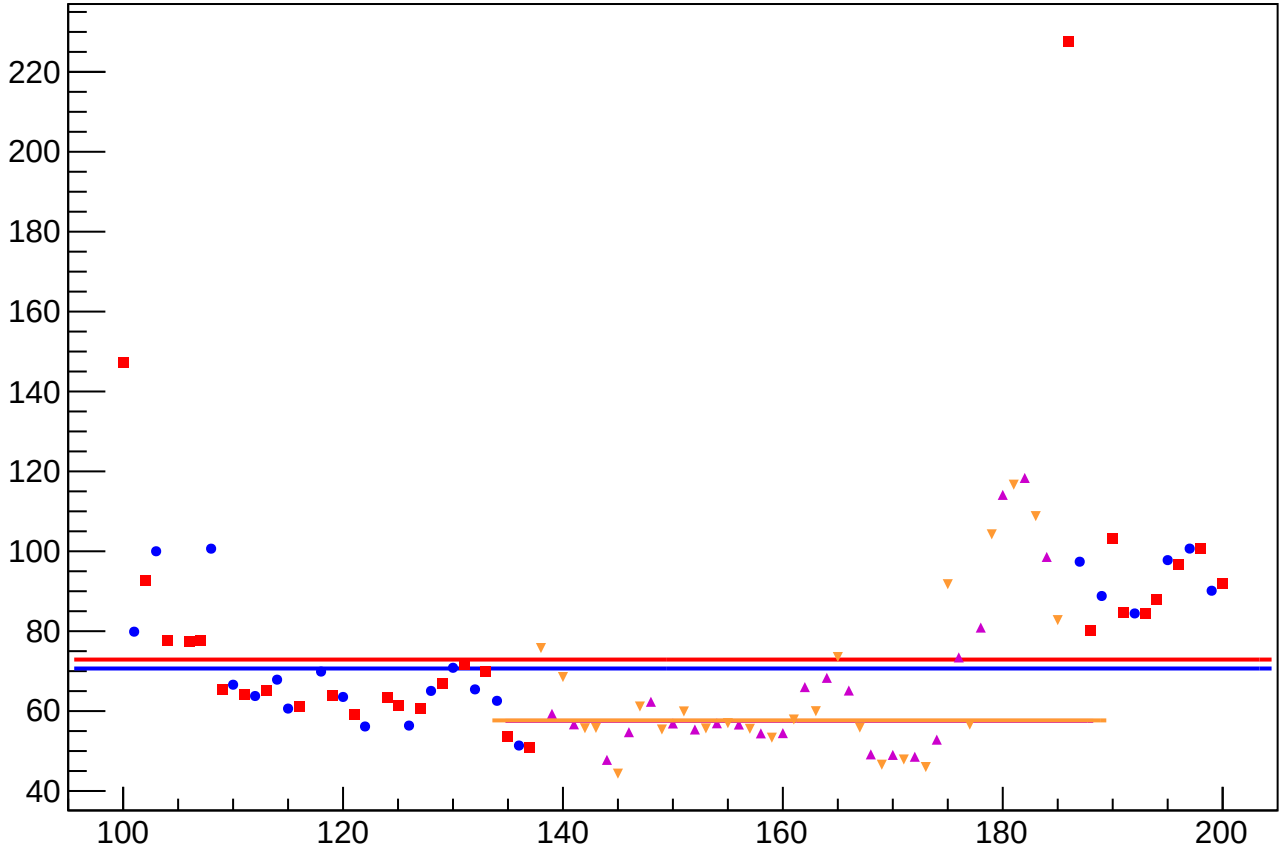
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -1.325+/-11.512 χ^2/NDF: 48.2/46

All: 3.497+/-8.146 χ^2/NDF: 128.2/97

- sign 8.331+/-11.527 χ^2/NDF: 79.6/50

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.660+/-0.015 χ^2/NDF: 1082644.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.899+/-0.014 χ^2/NDF: 1338152.7/27

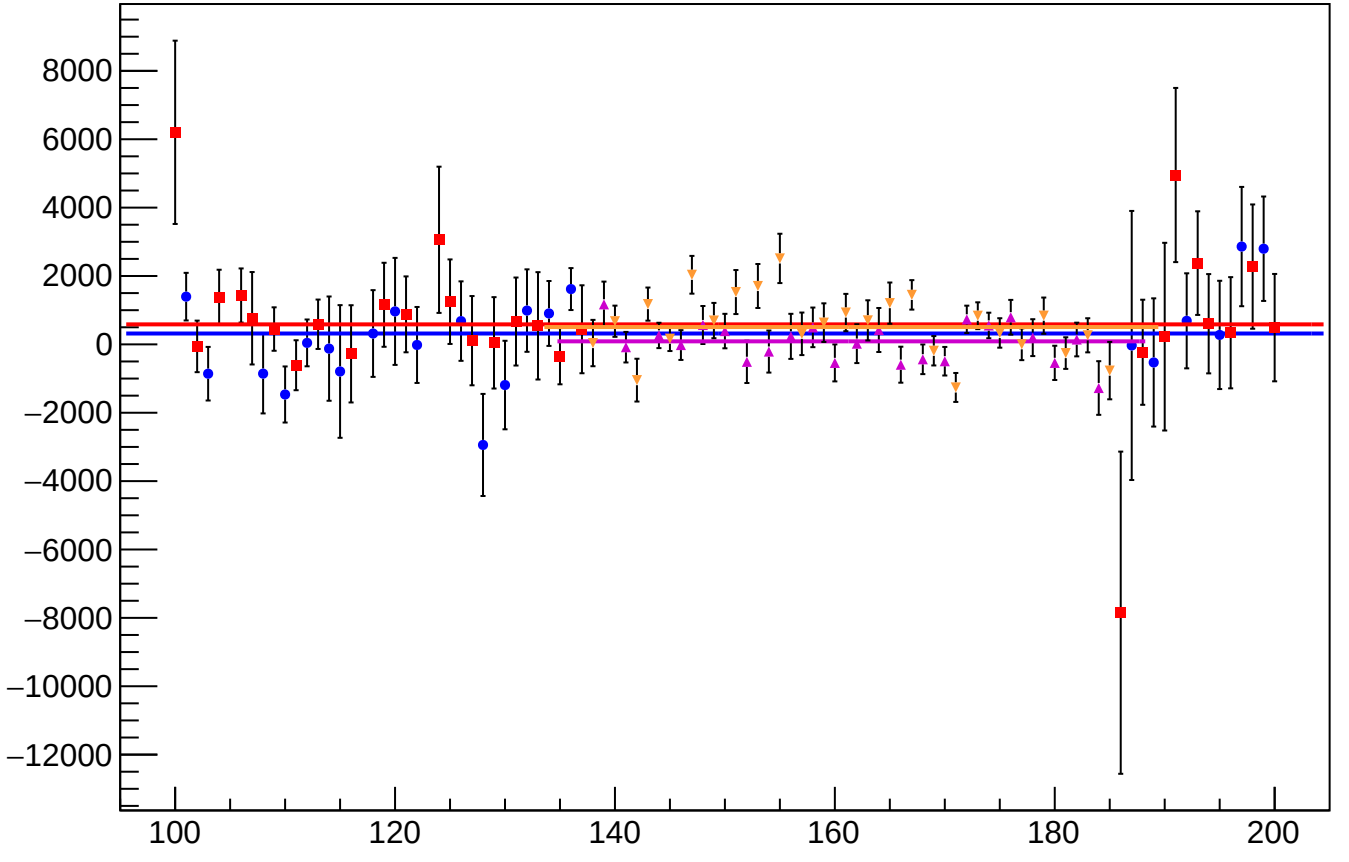
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 61.400+/-0.008 χ^2/NDF: 3513886.2/46

All: 61.927+/-0.006 χ^2/NDF: 7076356.3/97

- sign 62.454+/-0.008 χ^2/NDF: 3554097.9/50

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 585.069+/-214.633 χ^2/NDF: 22.6/27

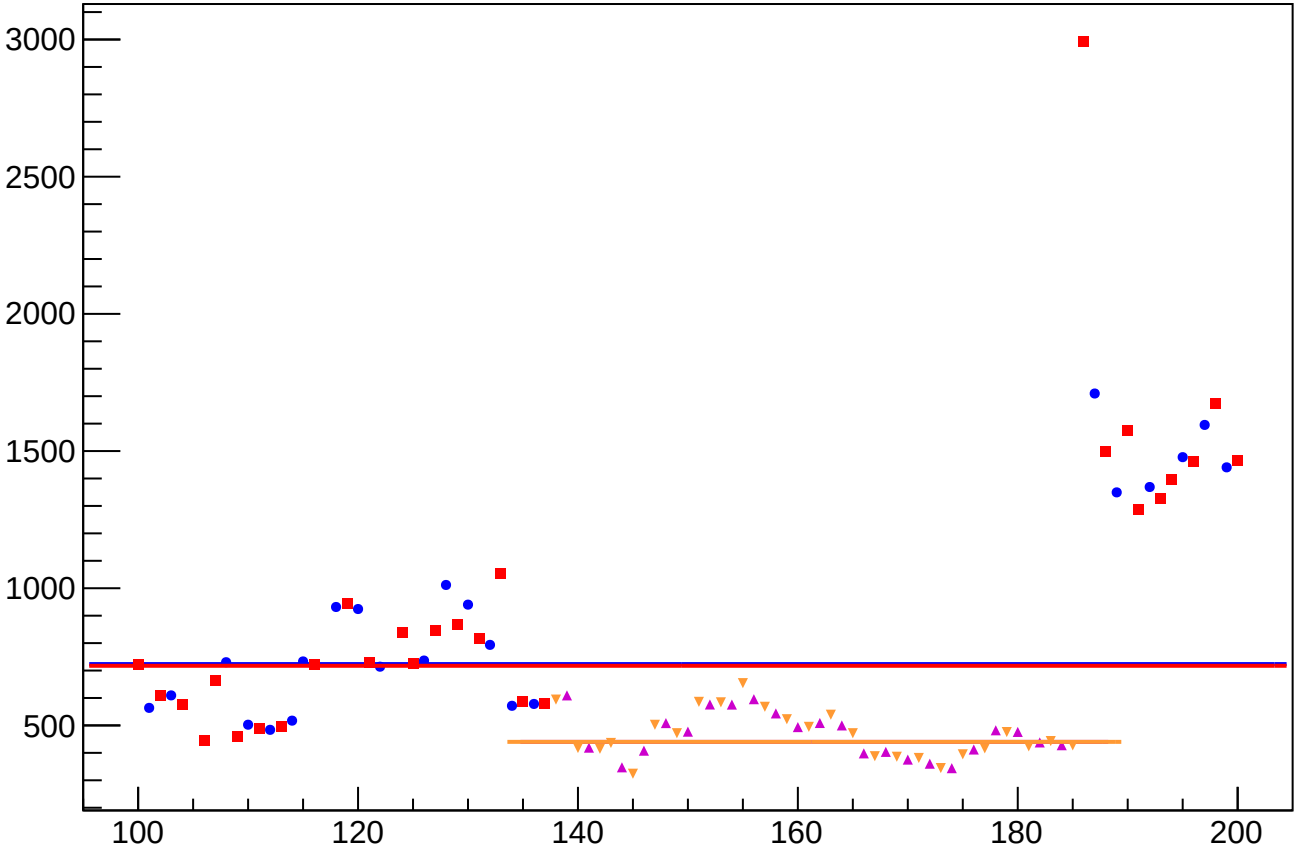
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 476.216+/-93.094 χ^2/NDF: 94.1/46

All: 331.349+/-66.140 χ^2/NDF: 149.2/97

- sign 183.694+/-93.986 χ^2/NDF: 50.2/50

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 723.531+/-0.163 χ^2/NDF: 3135644.2/21

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 717.395+/-0.152 χ^2/NDF: 4822918.7/27

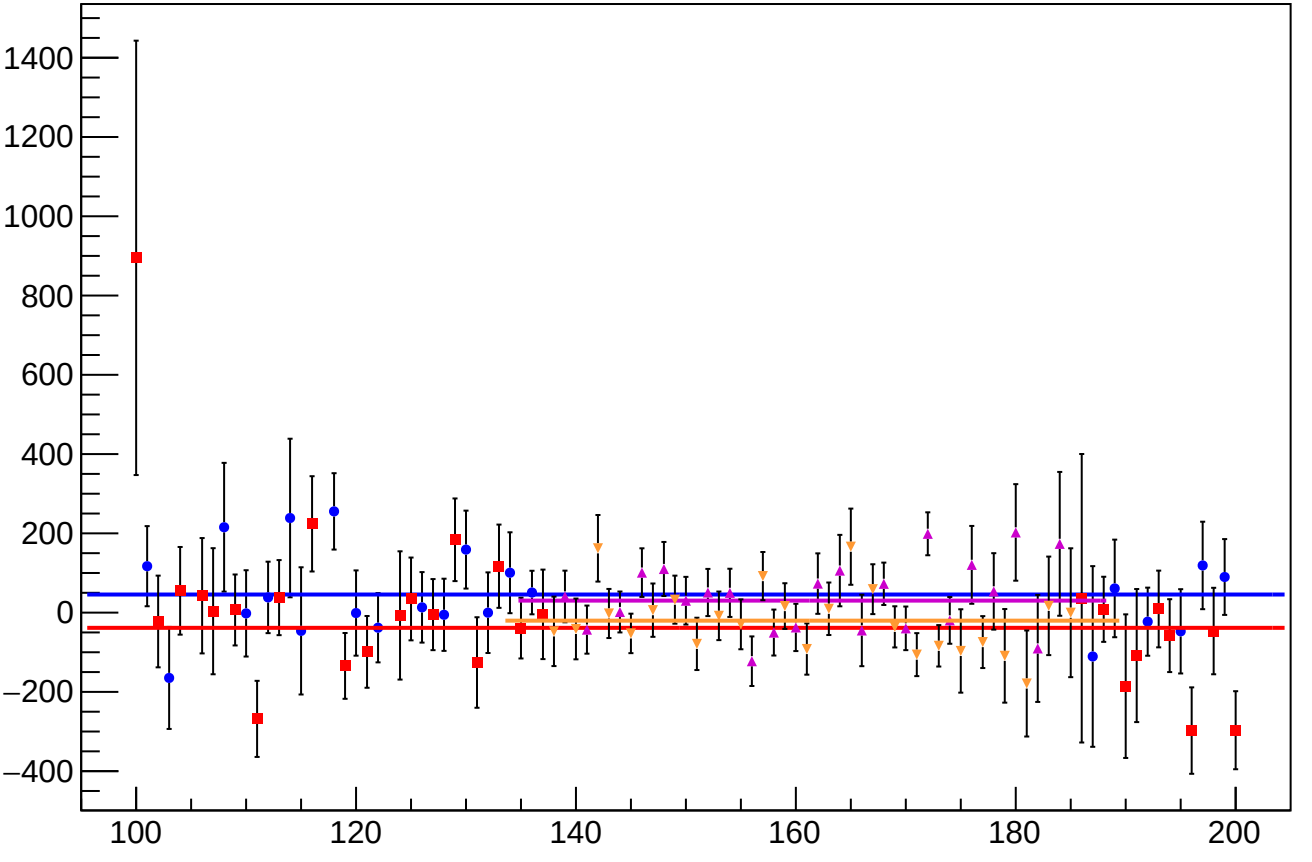
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 486.374+/-0.066 χ^2/NDF: 6866520.3/46

All: 489.700+/-0.047 χ^2/NDF: 15459008.6/97

- sign 493.091+/-0.066 χ^2/NDF: 8587331.9/50

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.675+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -38.393+/-20.377 χ^2/NDF: 39.3/27

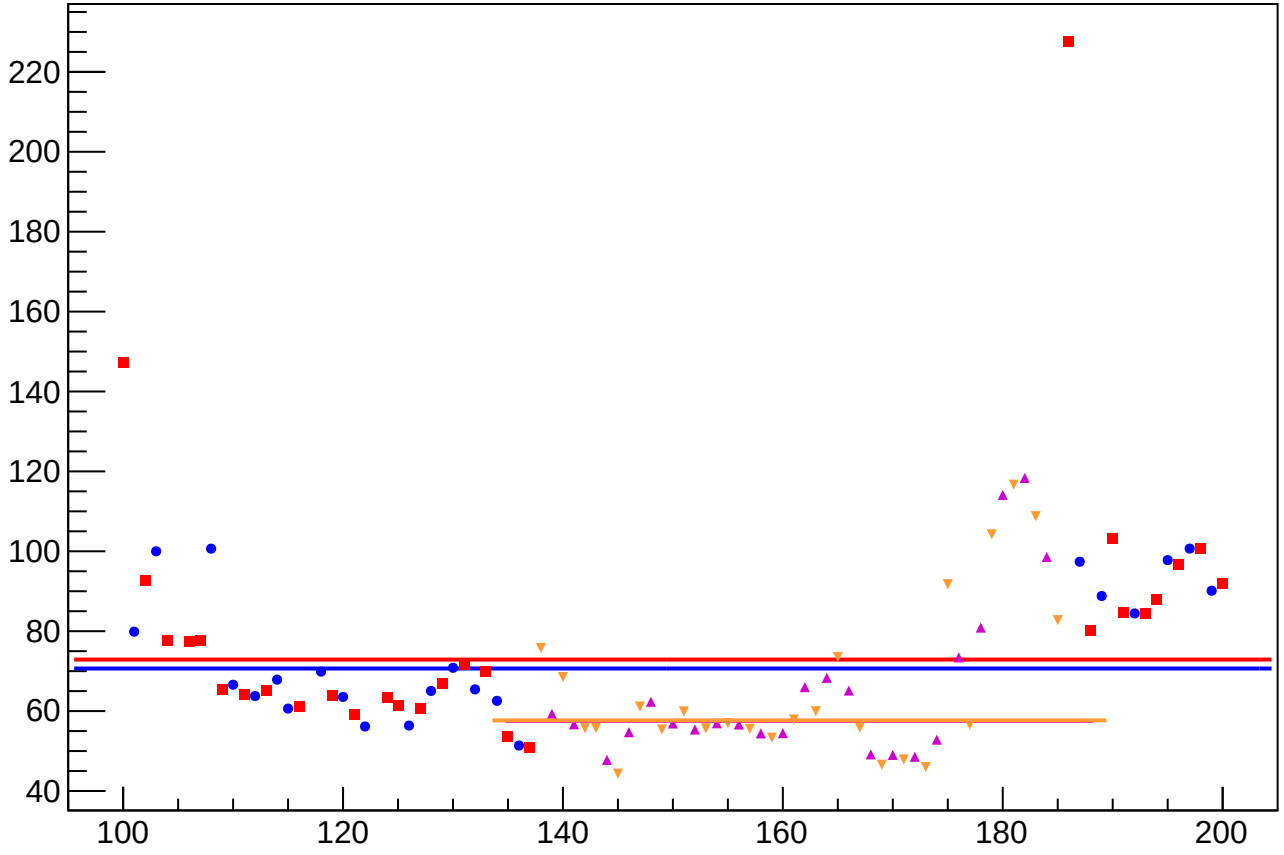
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -1.326+/-11.512 χ^2/NDF: 48.2/46

All: 3.496+/-8.146 χ^2/NDF: 128.2/97

- sign 8.330+/-11.527 χ^2/NDF: 79.6/50

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.659+/-0.015 χ^2/NDF: 1082639.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

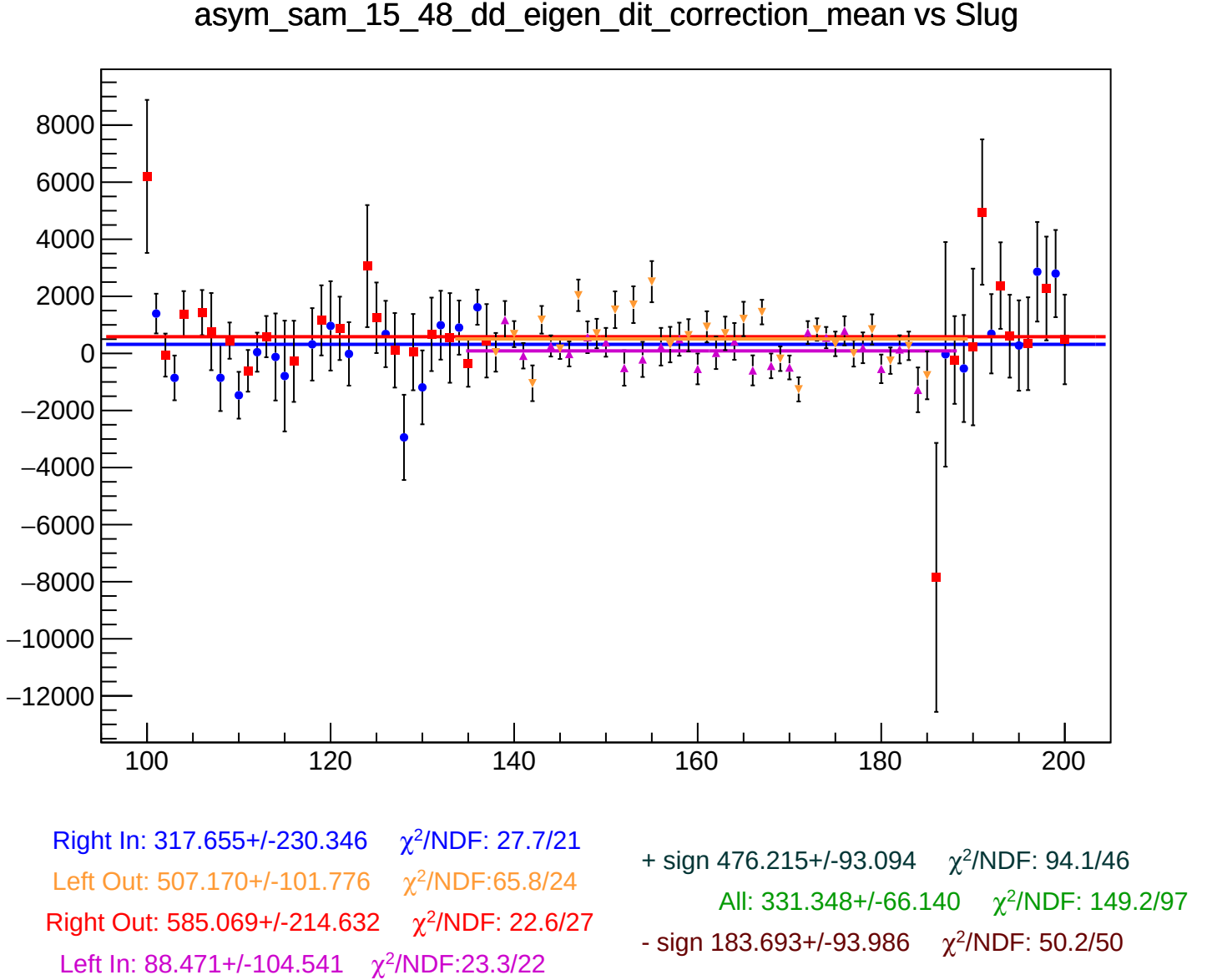
Right Out: 72.899+/-0.014 χ^2/NDF: 1338166.4/27

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

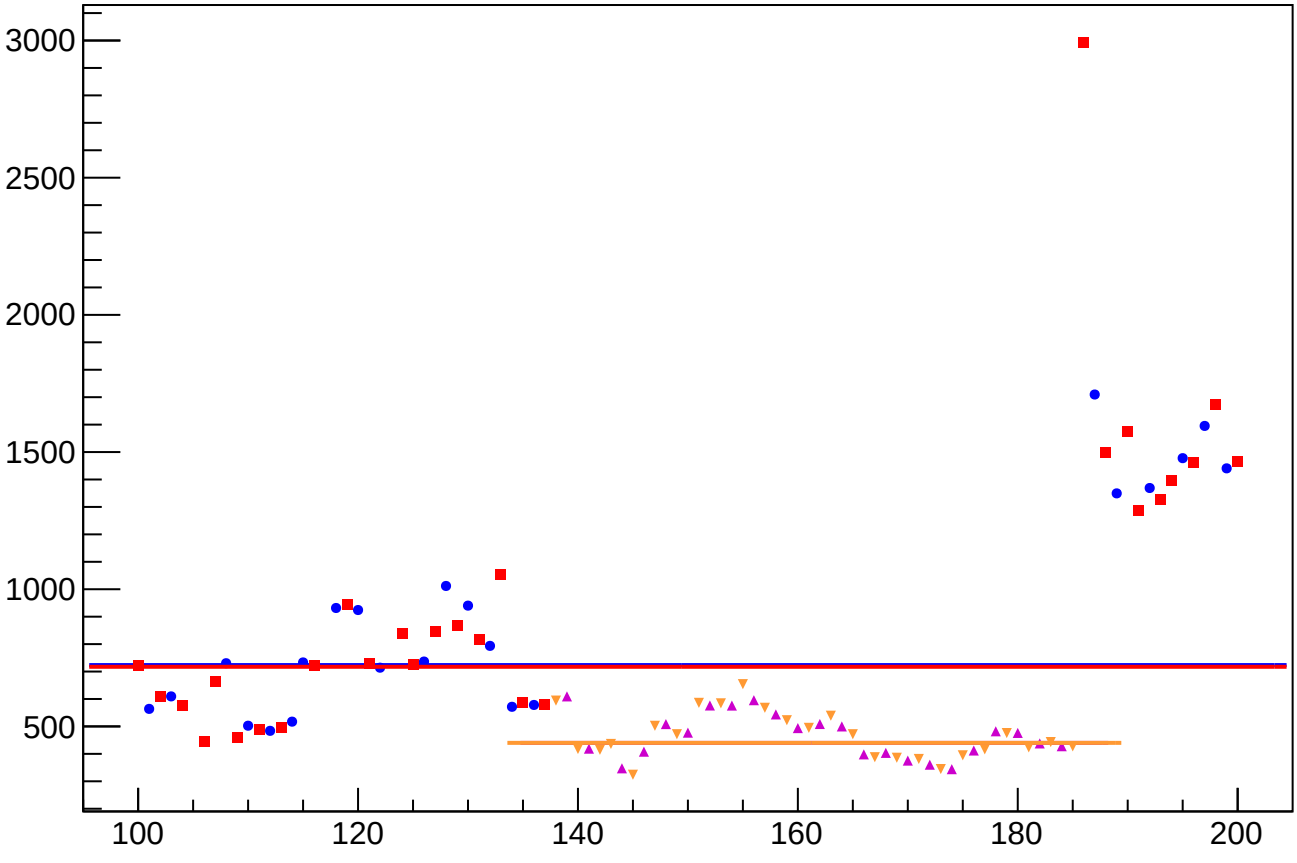
+ sign 61.400+/-0.008 χ^2/NDF: 3513858.9/46

All: 61.927+/-0.006 χ^2/NDF: 7076306.4/97

- sign 62.454+/-0.008 χ^2/NDF: 3554076.2/50


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 317.655+/-230.346 χ²/NDF: 27.7/21
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 585.069+/-214.632 χ²/NDF: 22.6/27
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 476.215+/-93.094 χ²/NDF: 94.1/46
All: 331.348+/-66.140 χ²/NDF: 149.2/97
- sign 183.693+/-93.986 χ²/NDF: 50.2/50

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 723.530+/-0.163 χ^2/NDF: 3135648.0/21

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 717.394+/-0.152 χ^2/NDF: 4822920.7/27

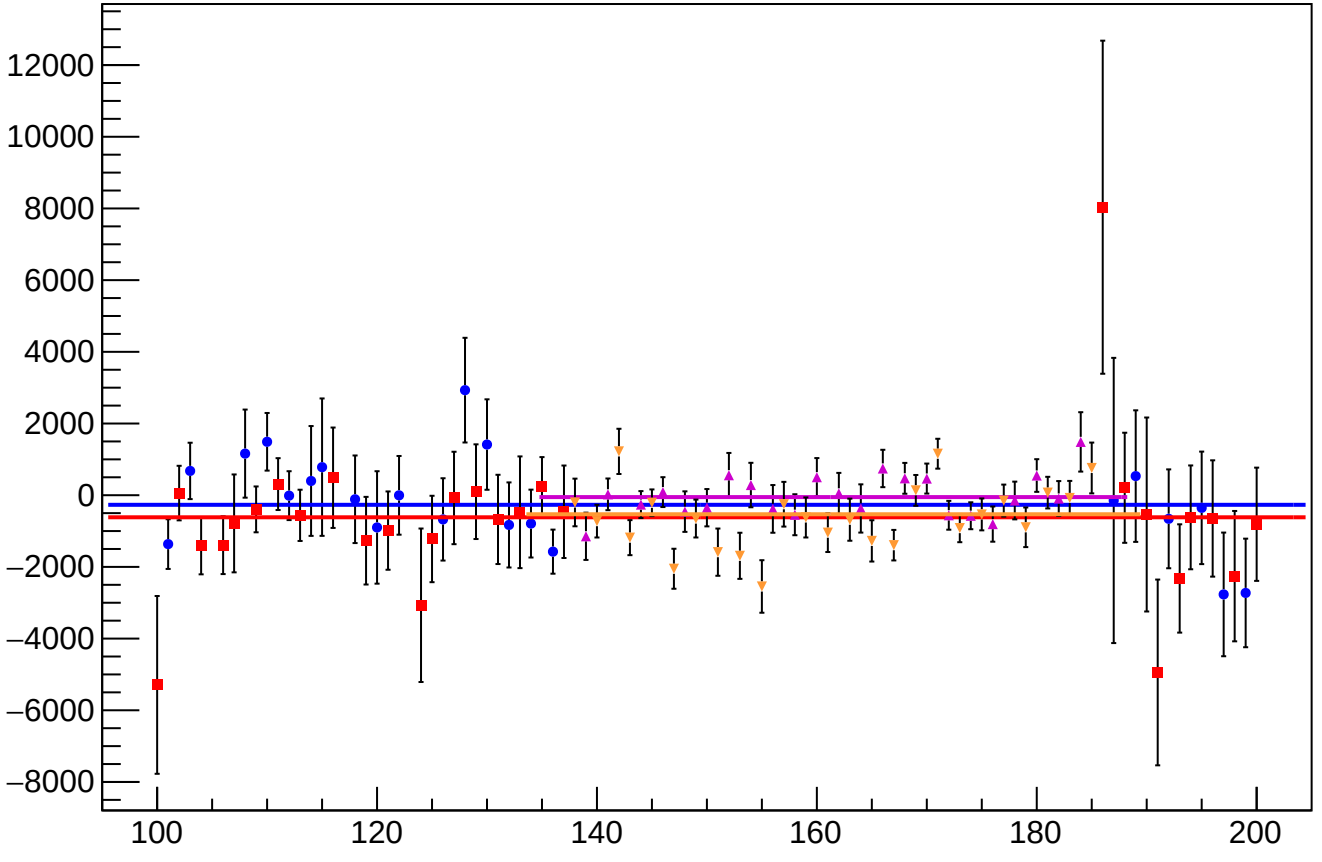
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 486.373+/-0.066 χ^2/NDF: 6866542.7/46

All: 489.699+/-0.047 χ^2/NDF: 15459053.8/97

- sign 493.090+/-0.066 χ^2/NDF: 8587354.8/50

asym_sam_15_48_dd_mean vs Slug



Right In: -267.837+/-229.082 χ^2/NDF: 27.7/21

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -616.069+/-213.974 χ^2/NDF: 20.9/27

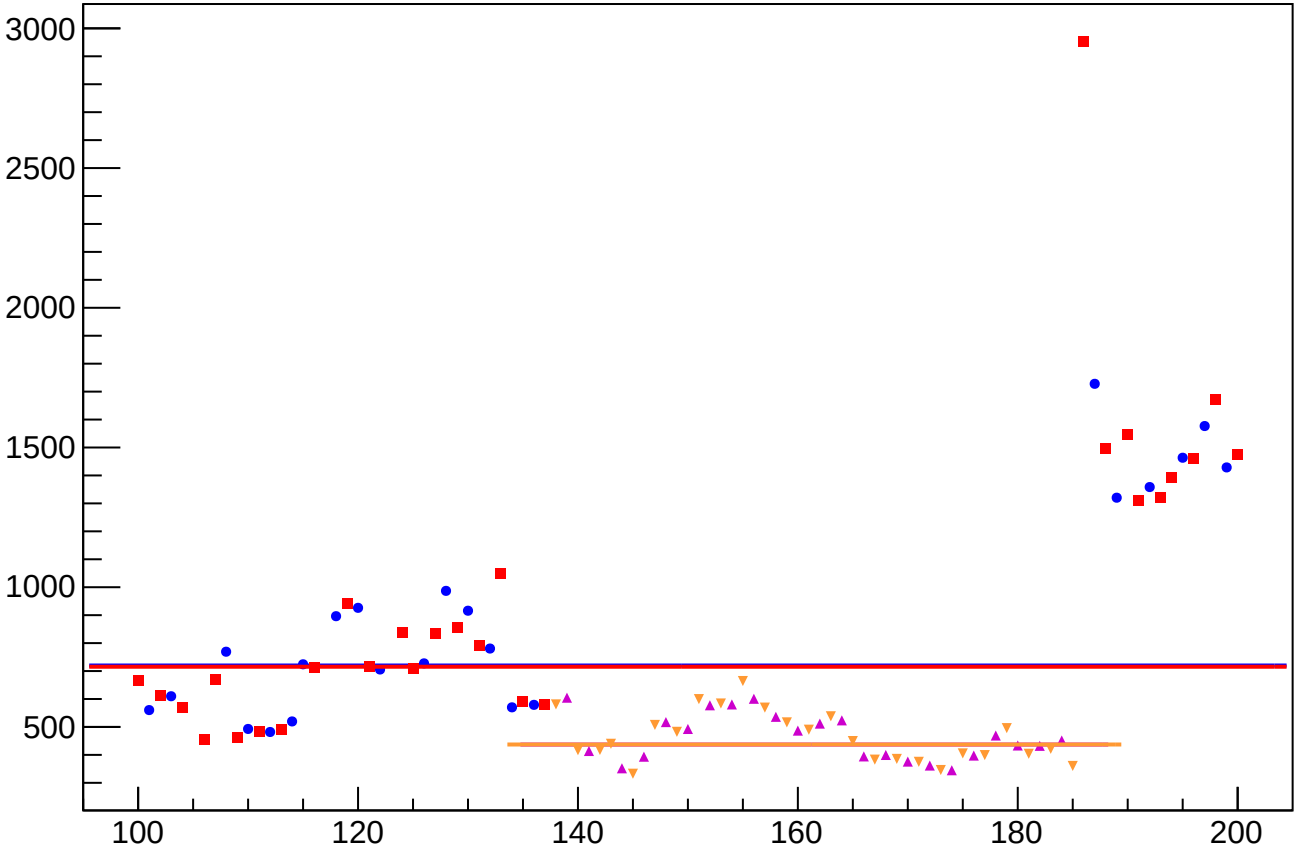
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -488.473+/-92.604 χ^2/NDF: 94.4/46

All: -325.726+/-65.775 χ^2/NDF: 151.2/97

- sign -160.020+/-93.442 χ^2/NDF: 50.6/50

asym_sam_15_48_dd_rms vs Slug



Right In: 719.862+/-0.162 χ^2/NDF: 3089519.8/21

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

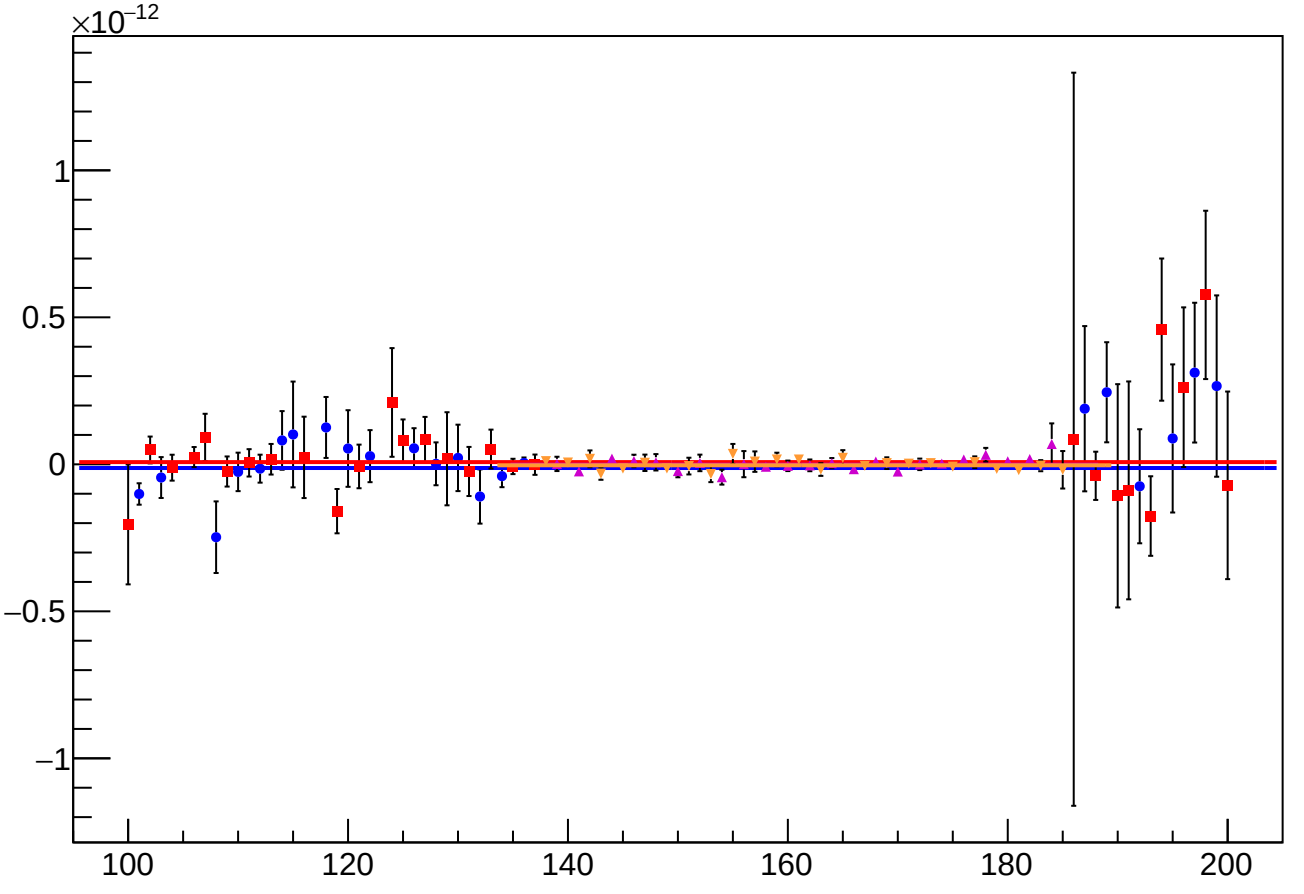
Right Out: 715.475+/-0.151 χ^2/NDF: 4787244.0/27

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 483.354+/-0.065 χ^2/NDF: 6865146.6/46

All: 486.675+/-0.047 χ^2/NDF: 15480344.9/97

- sign 490.056+/-0.066 χ^2/NDF: 8610006.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

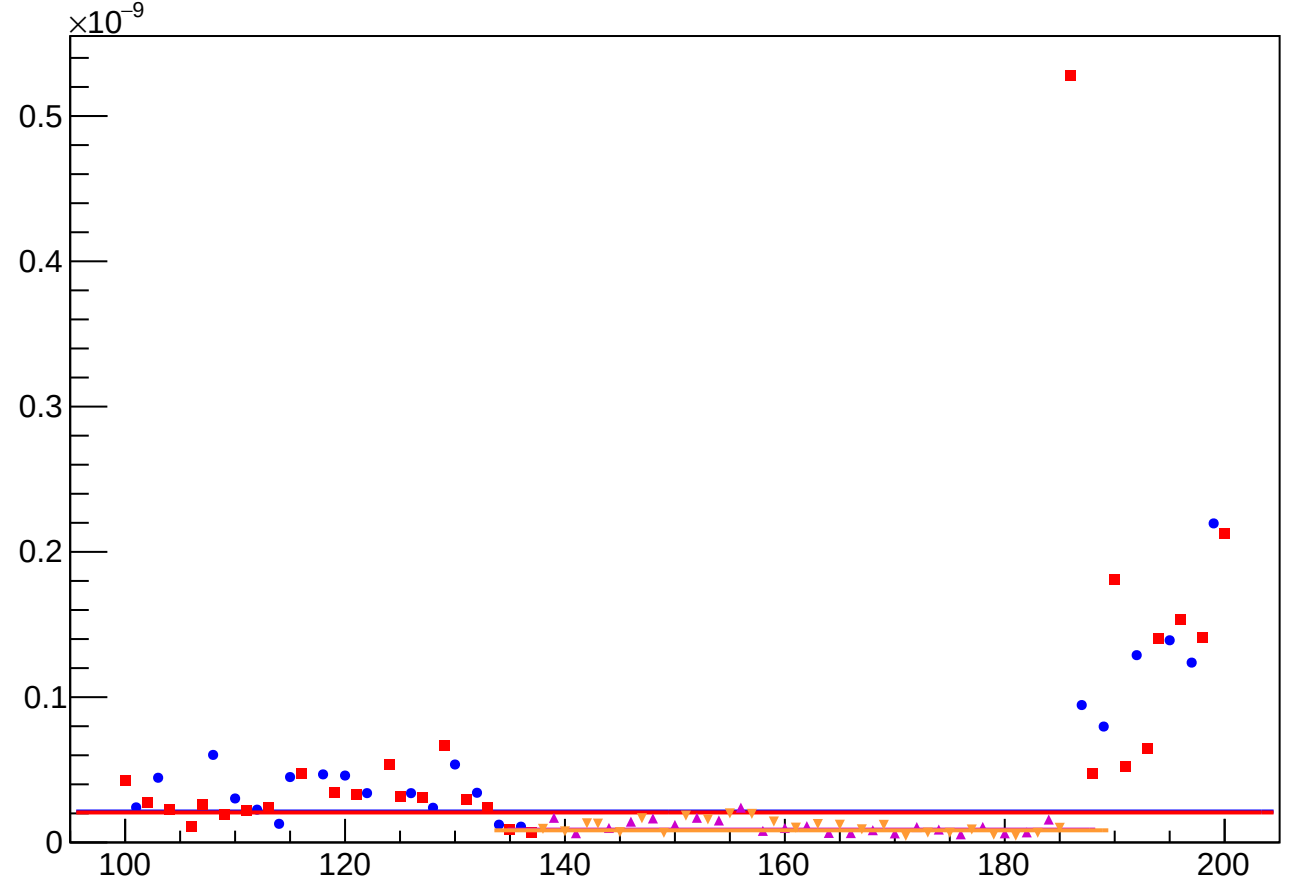
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/46

All: -0.000+/-0.000 χ^2/NDF: 84.3/97

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4401850.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4684989.8/27

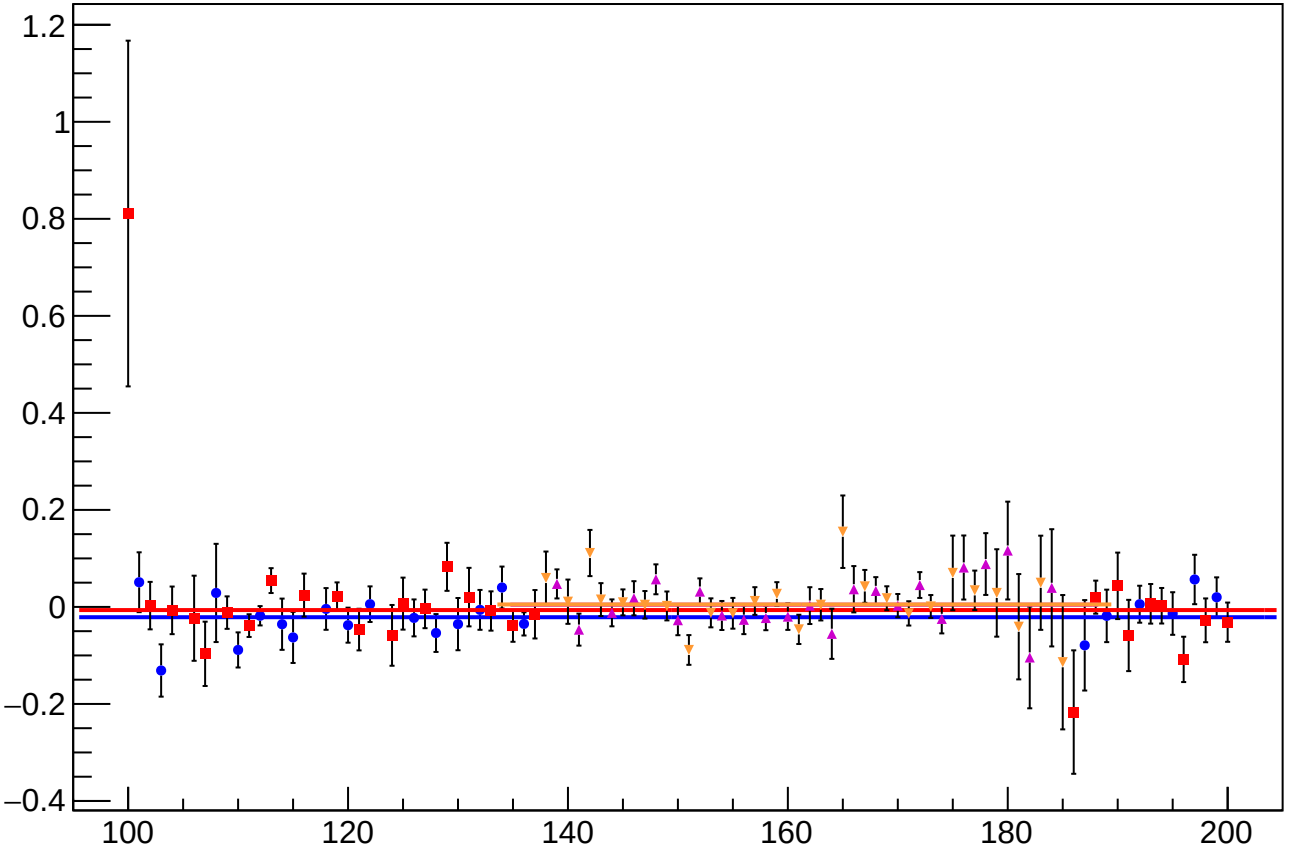
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8608500.6/46

All: 0.000+/-0.000 χ^2/NDF: 16758864.6/97

- sign 0.000+/-0.000 χ^2/NDF: 8120008.1/50

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

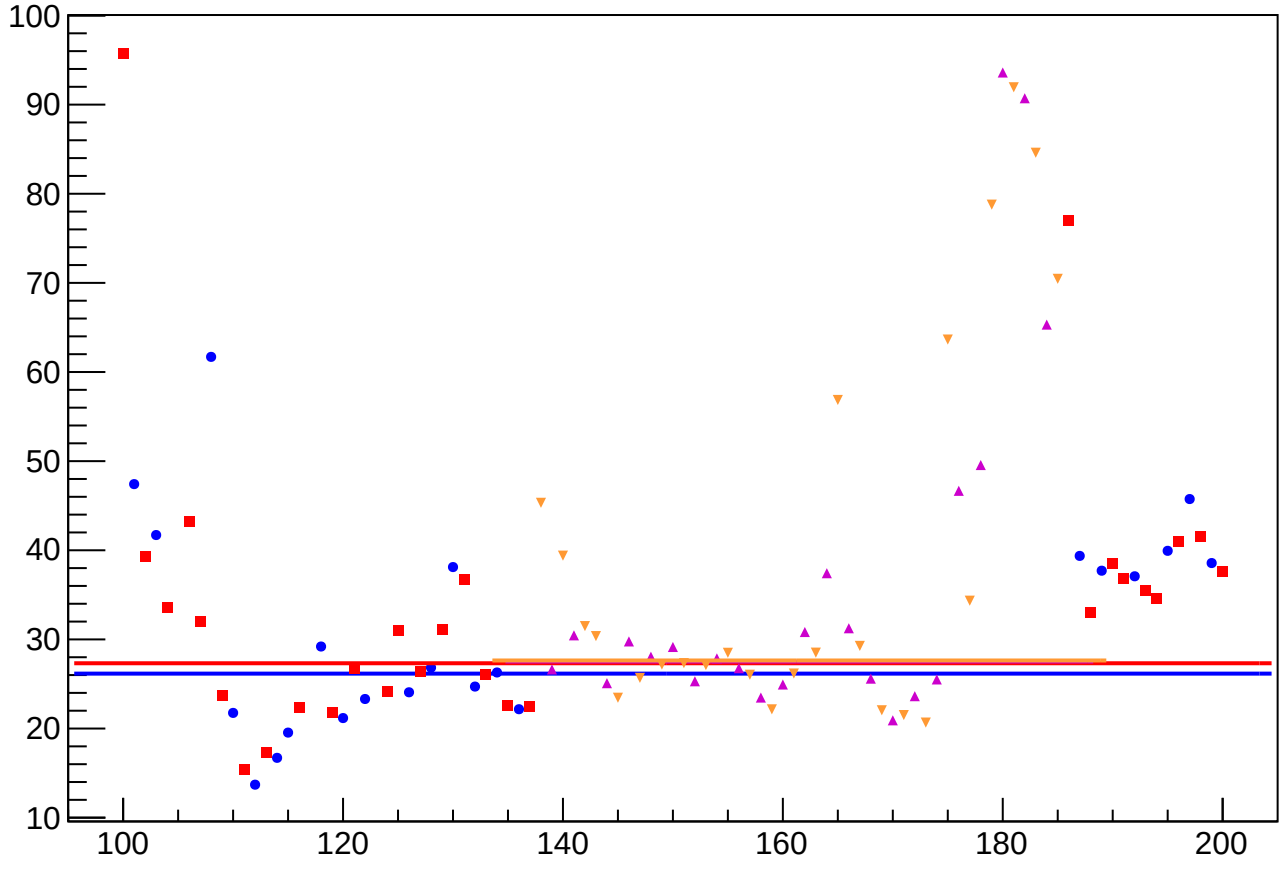
Right Out: -0.006+/-0.008 χ^2/NDF: 32.2/27

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.003+/-0.004 χ^2/NDF: 111.5/97

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

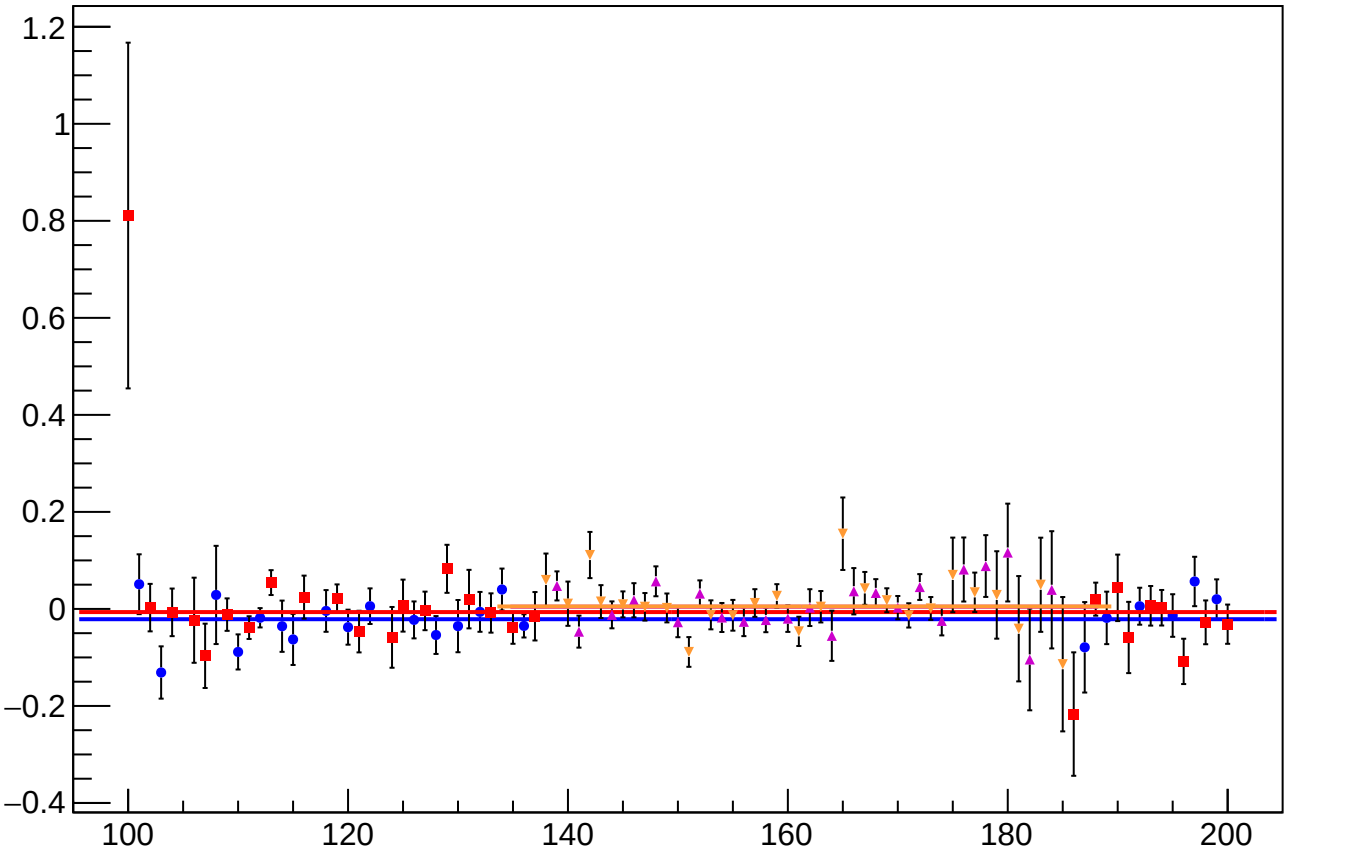
Right Out: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

\+ sign 27.051+/-0.004 χ^2/NDF: 6764209.7/46

All: 27.247+/-0.003 χ^2/NDF: 11900736.9/97

\- sign 27.437+/-0.004 χ^2/NDF: 5131195.3/50



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

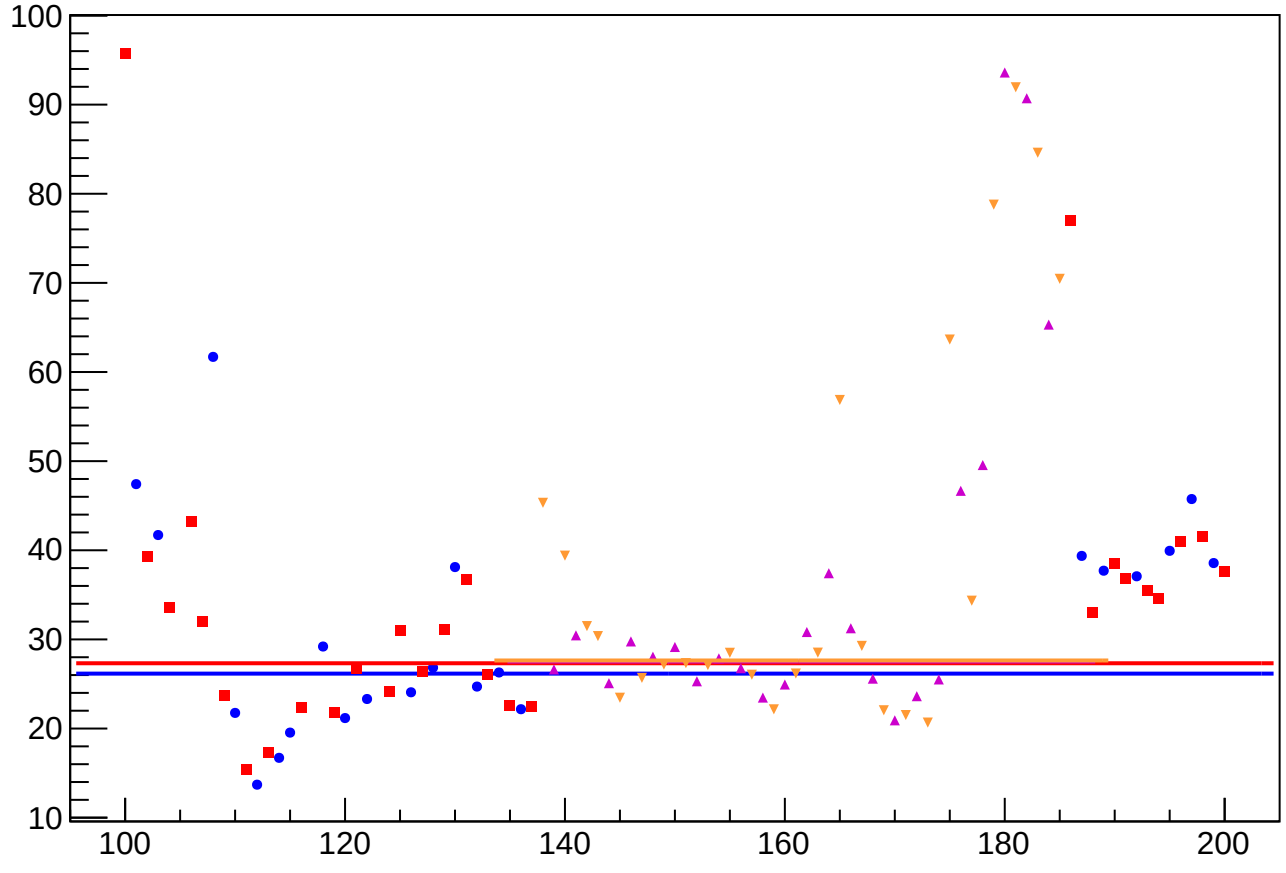
Right Out: -0.006+/-0.008 χ^2/NDF: 32.2/27

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.003+/-0.004 χ^2/NDF: 111.5/97

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

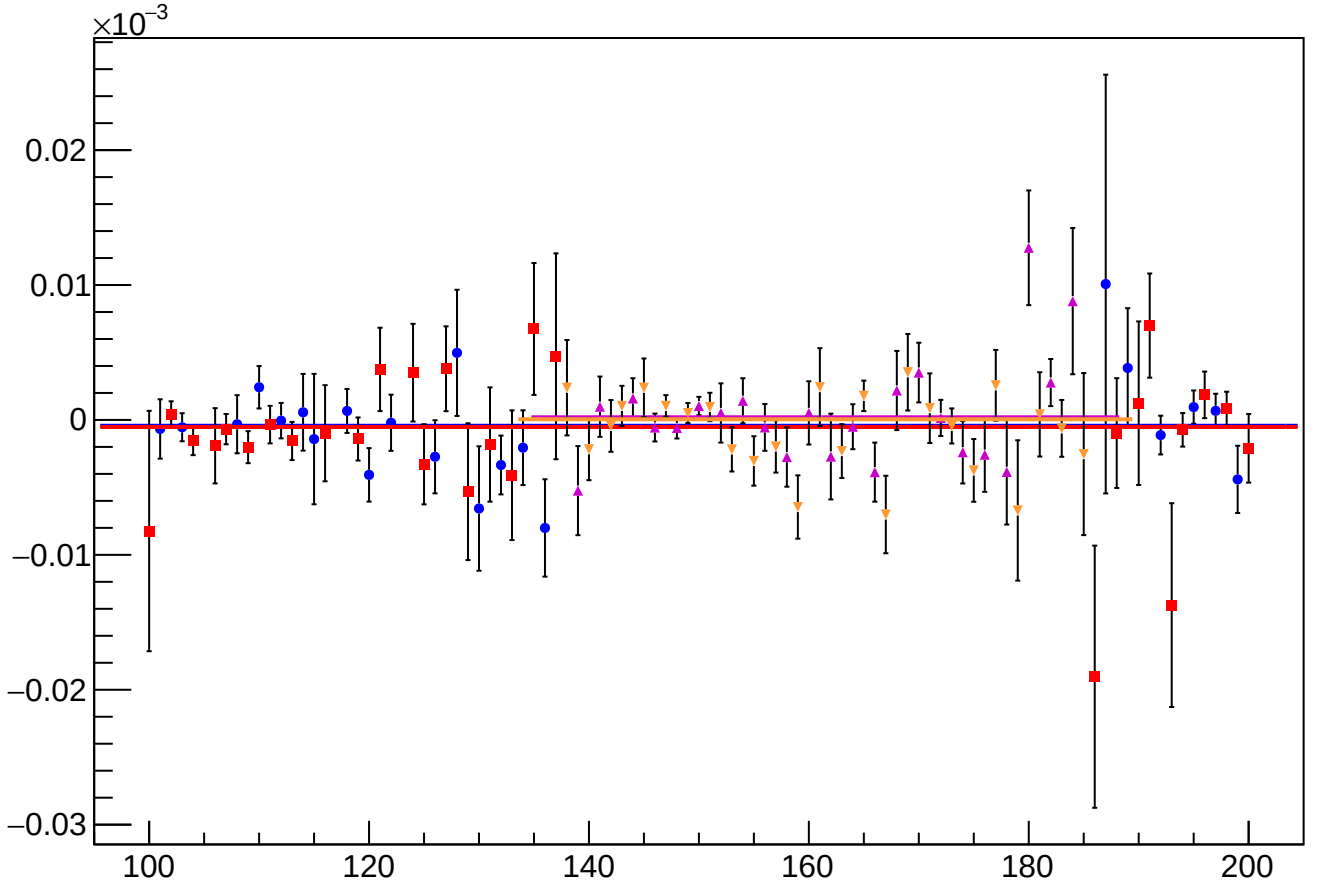
Right Out: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.051+/-0.004 χ^2/NDF: 6764209.7/46

All: 27.247+/-0.003 χ^2/NDF: 11900736.9/97

- sign 27.437+/-0.004 χ^2/NDF: 5131195.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

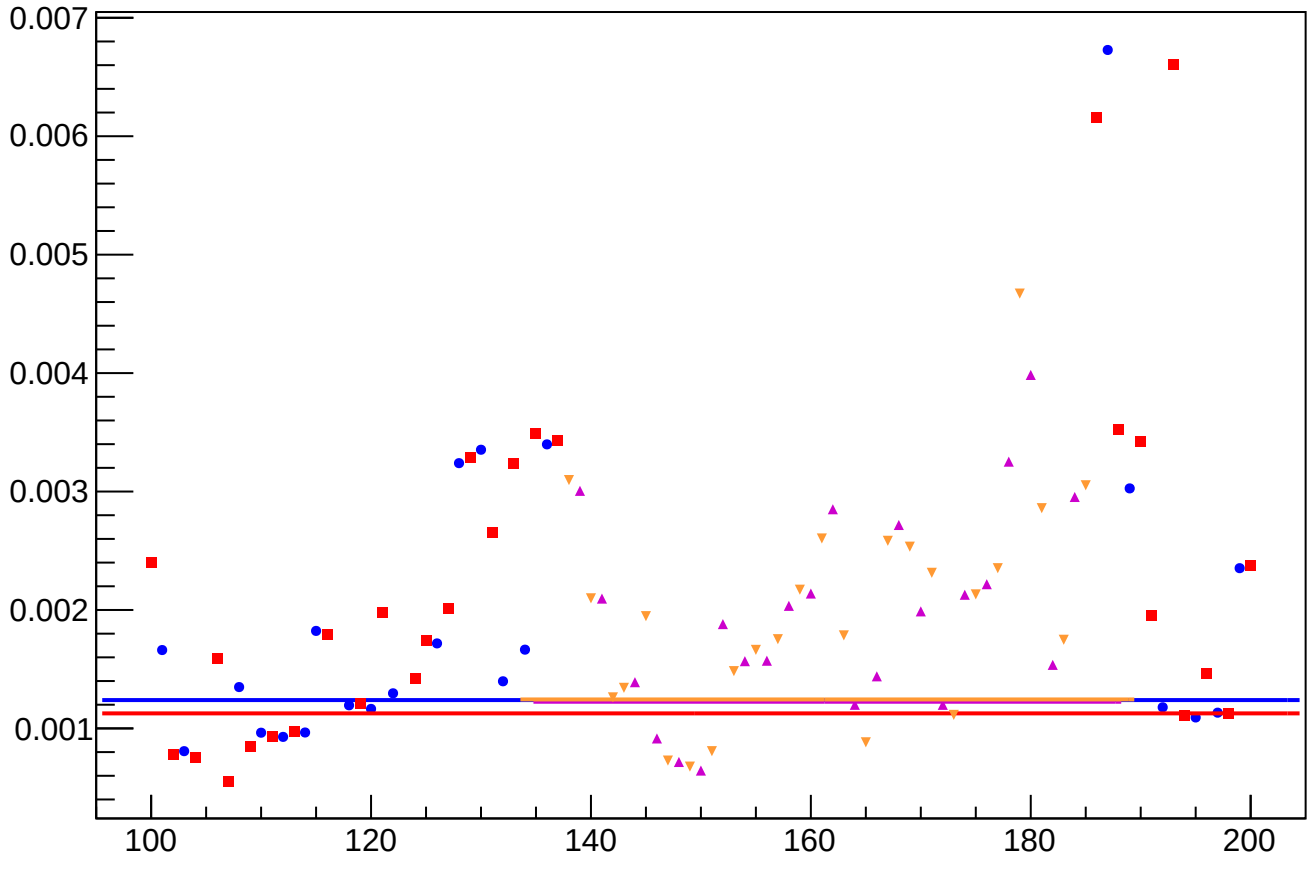
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/27

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/46

All: -0.000+/-0.000 χ^2/NDF: 126.7/97

- sign -0.000+/-0.000 χ^2/NDF: 64.9/50



Right In: 0.001+/-0.000 χ^2/NDF: 3293139.5/21

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

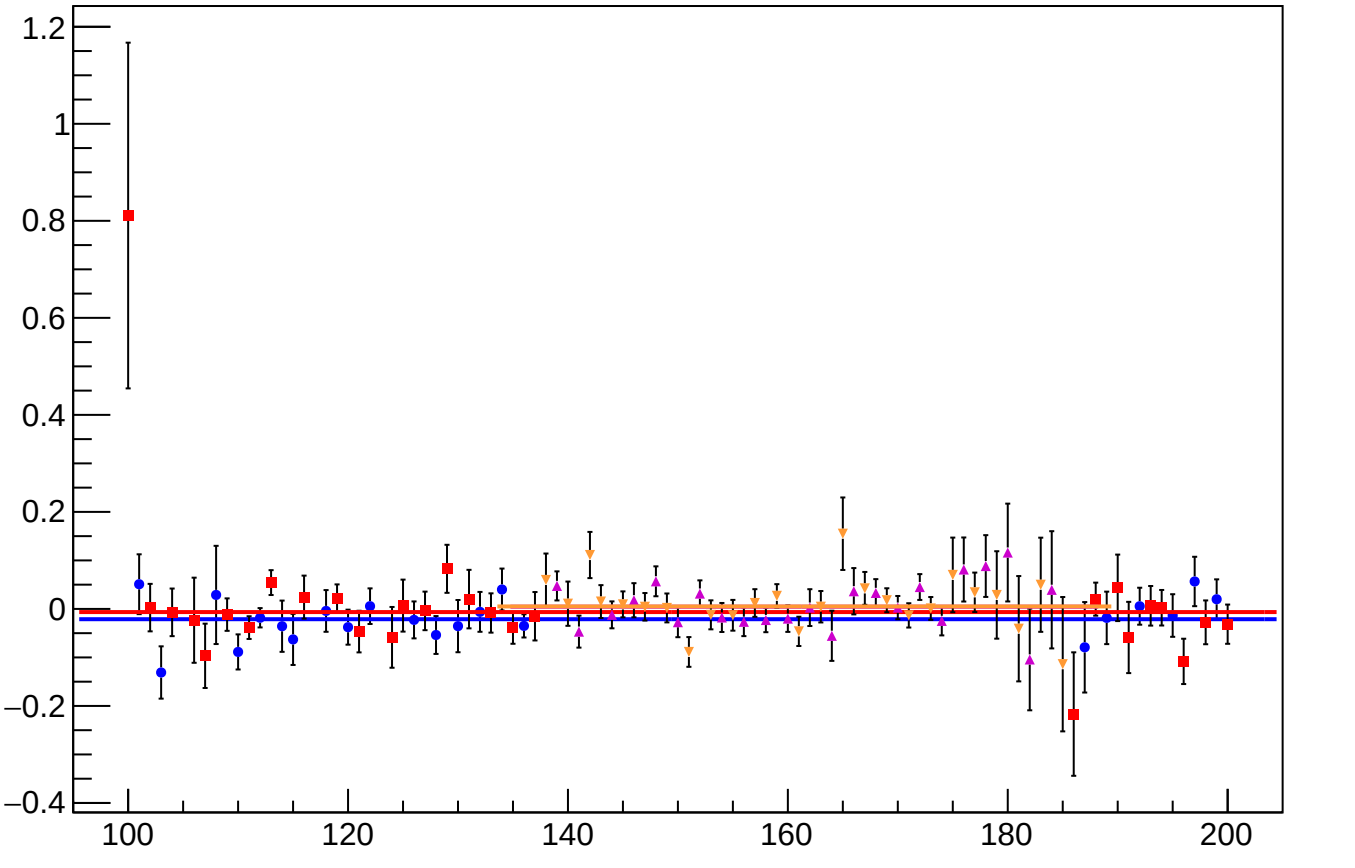
Right Out: 0.001+/-0.000 χ^2/NDF: 6675569.2/27

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11634402.9/46

All: 0.001+/-0.000 χ^2/NDF: 26275208.4/97

- sign 0.001+/-0.000 χ^2/NDF: 14578780.8/50



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

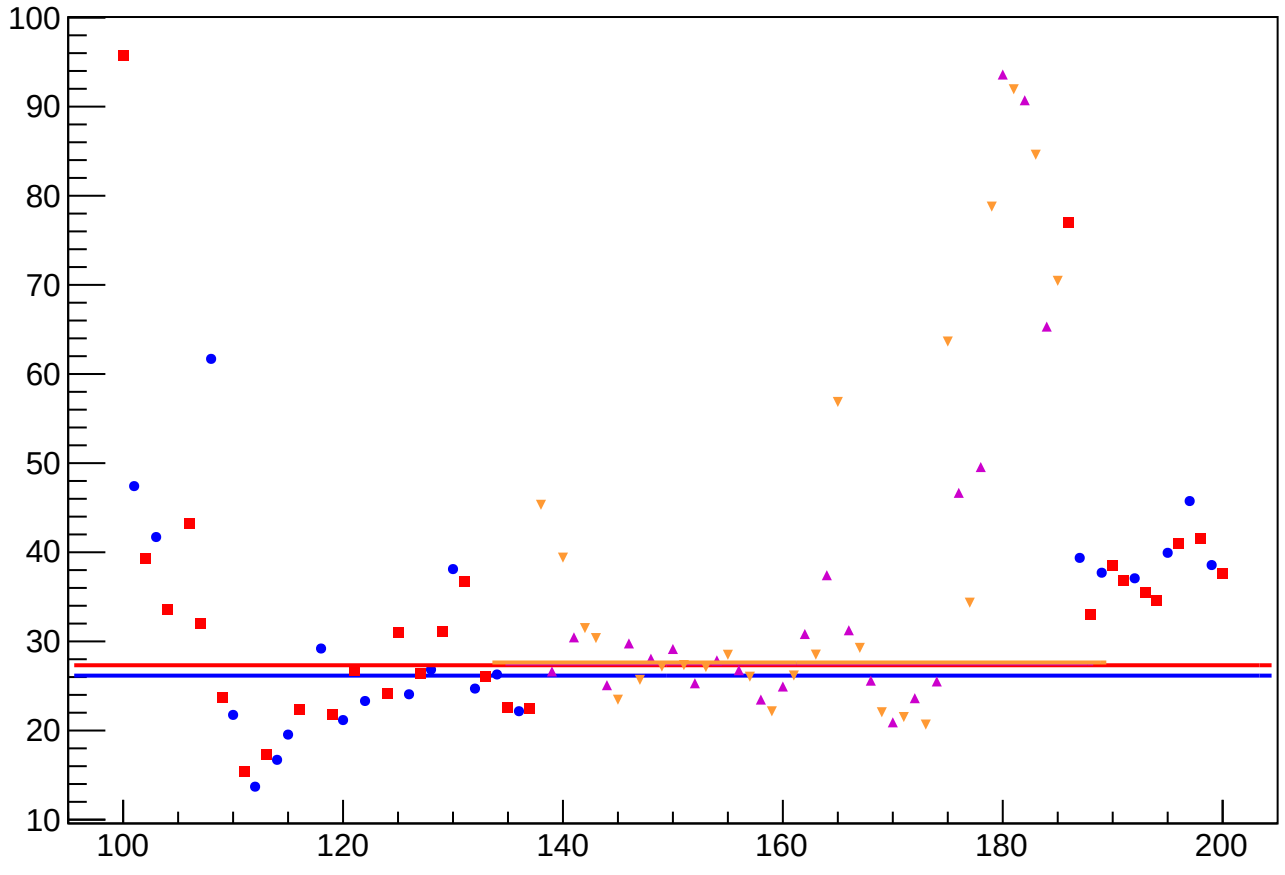
Right Out: -0.006+/-0.008 χ^2/NDF: 32.2/27

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.003+/-0.004 χ^2/NDF: 111.5/97

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

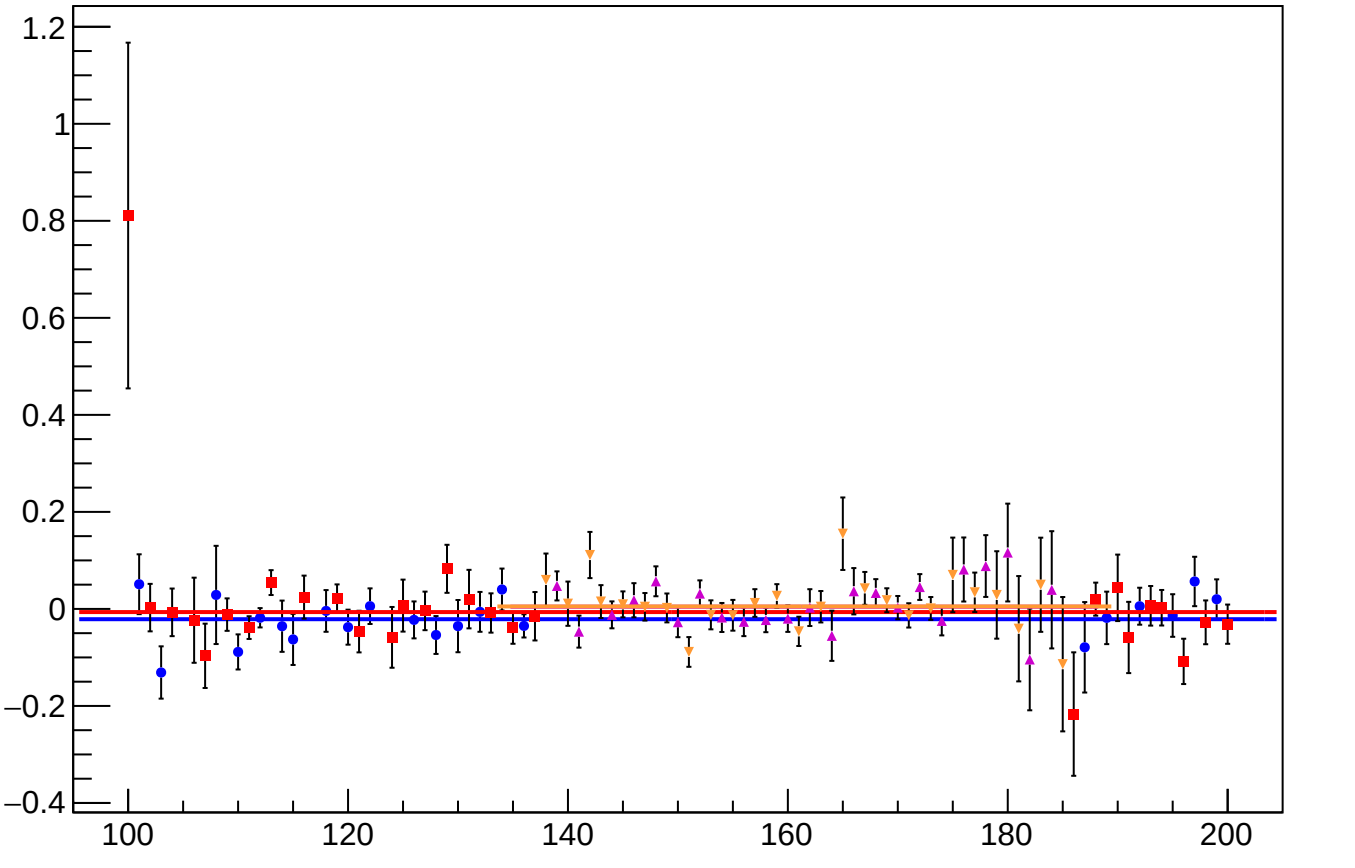
Right Out: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.051+/-0.004 χ^2/NDF: 6764194.7/46

All: 27.247+/-0.003 χ^2/NDF: 11900791.5/97

- sign 27.437+/-0.004 χ^2/NDF: 5131267.3/50



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

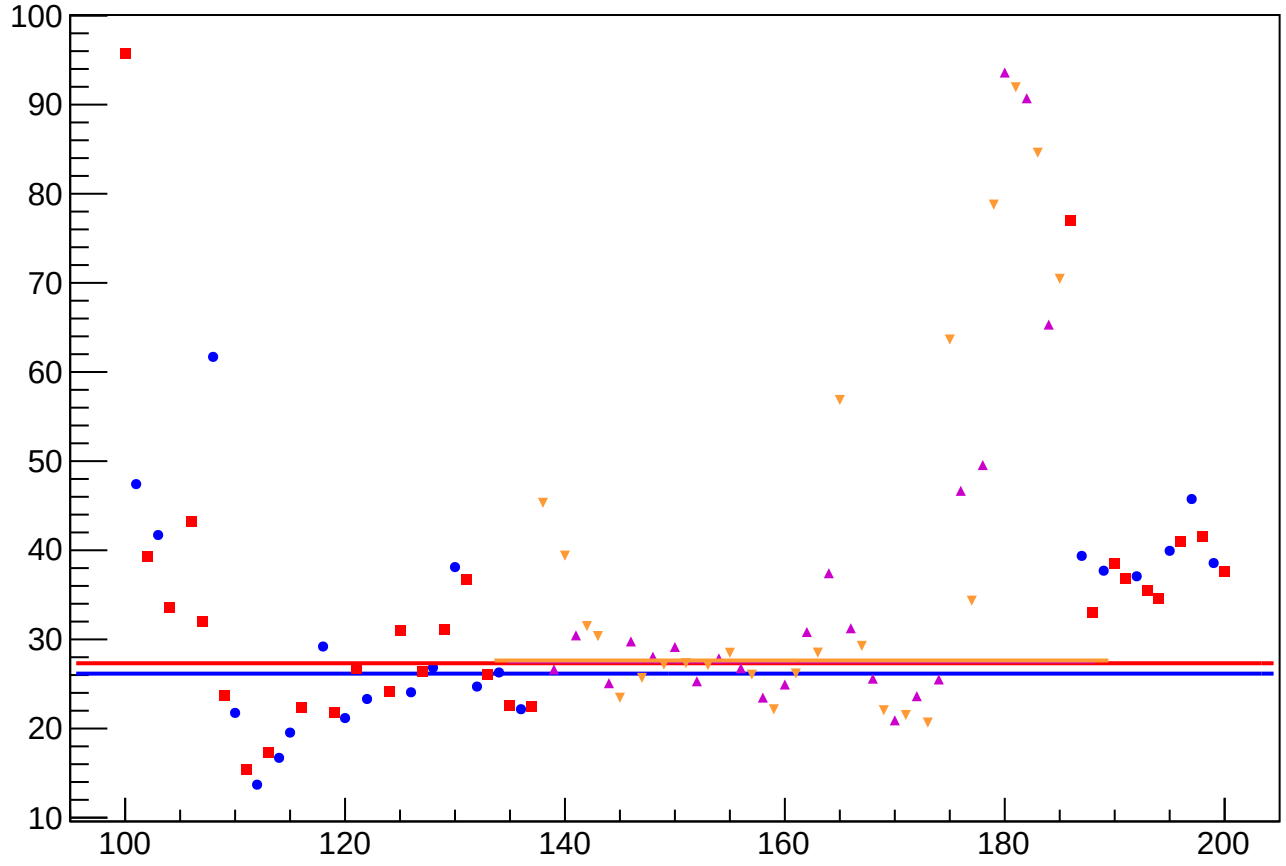
Right Out: -0.006+/-0.008 χ^2/NDF: 32.2/27

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.003+/-0.004 χ^2/NDF: 111.5/97

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

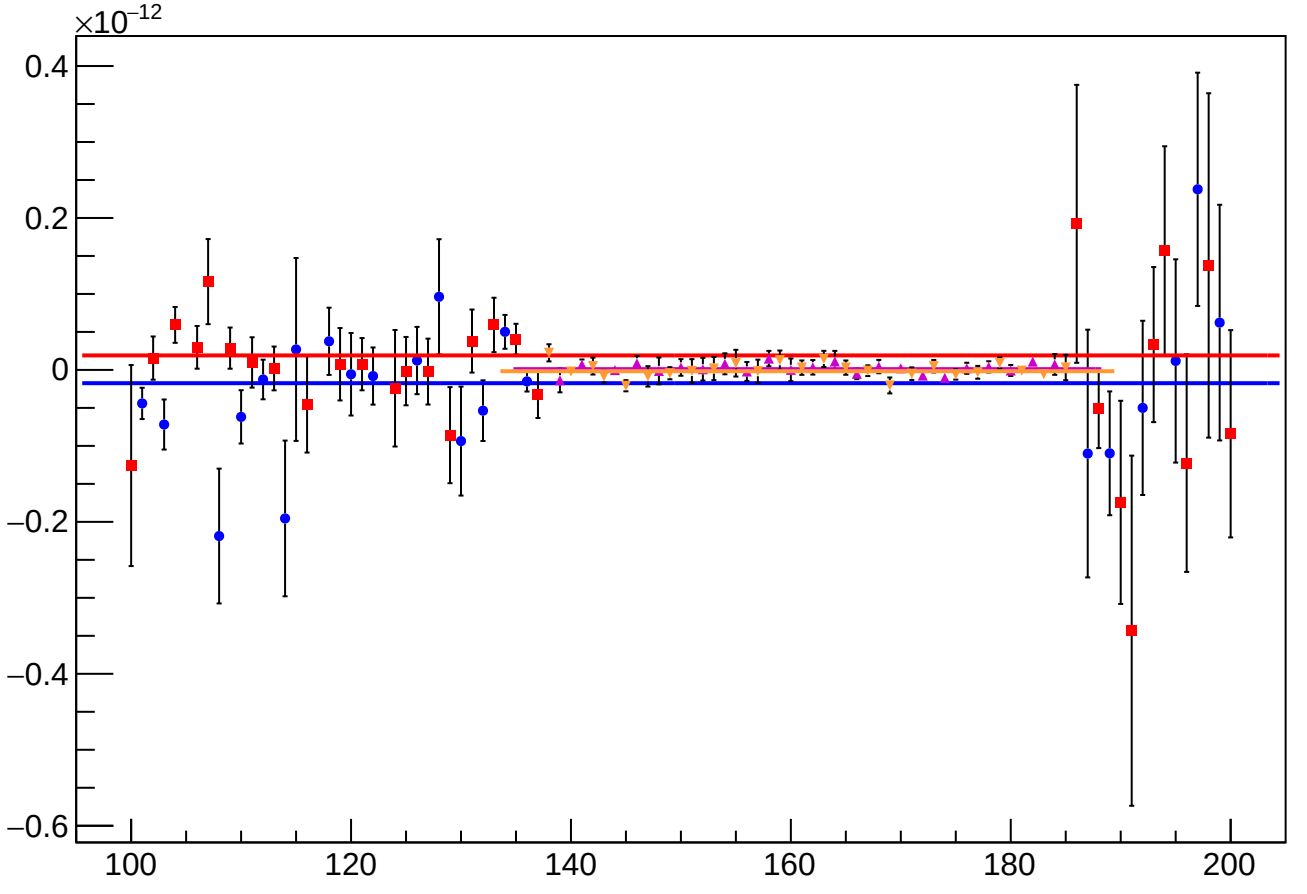
Right Out: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.051+/-0.004 χ^2/NDF: 6764194.7/46

All: 27.247+/-0.003 χ^2/NDF: 11900791.5/97

- sign 27.437+/-0.004 χ^2/NDF: 5131267.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

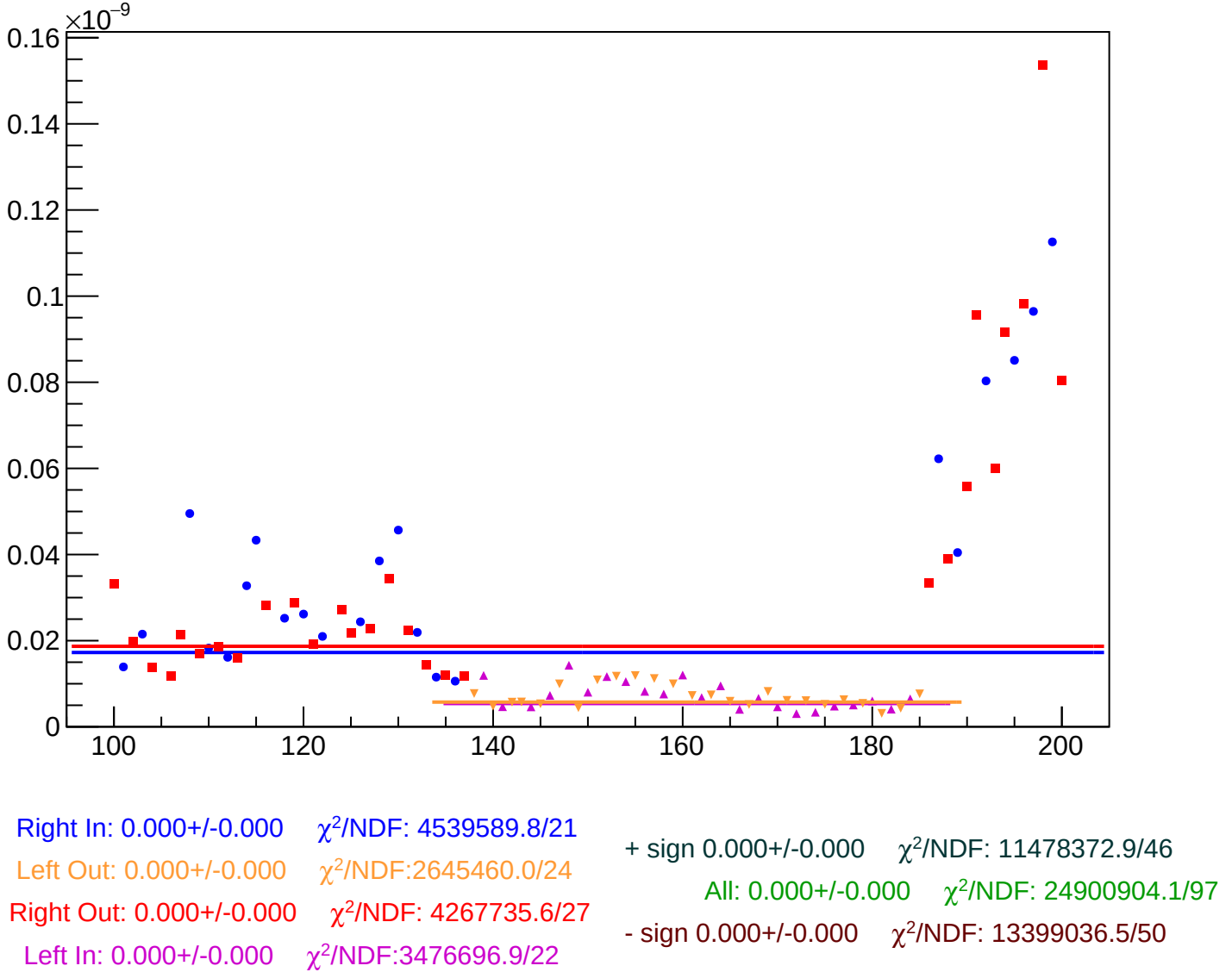
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/27

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

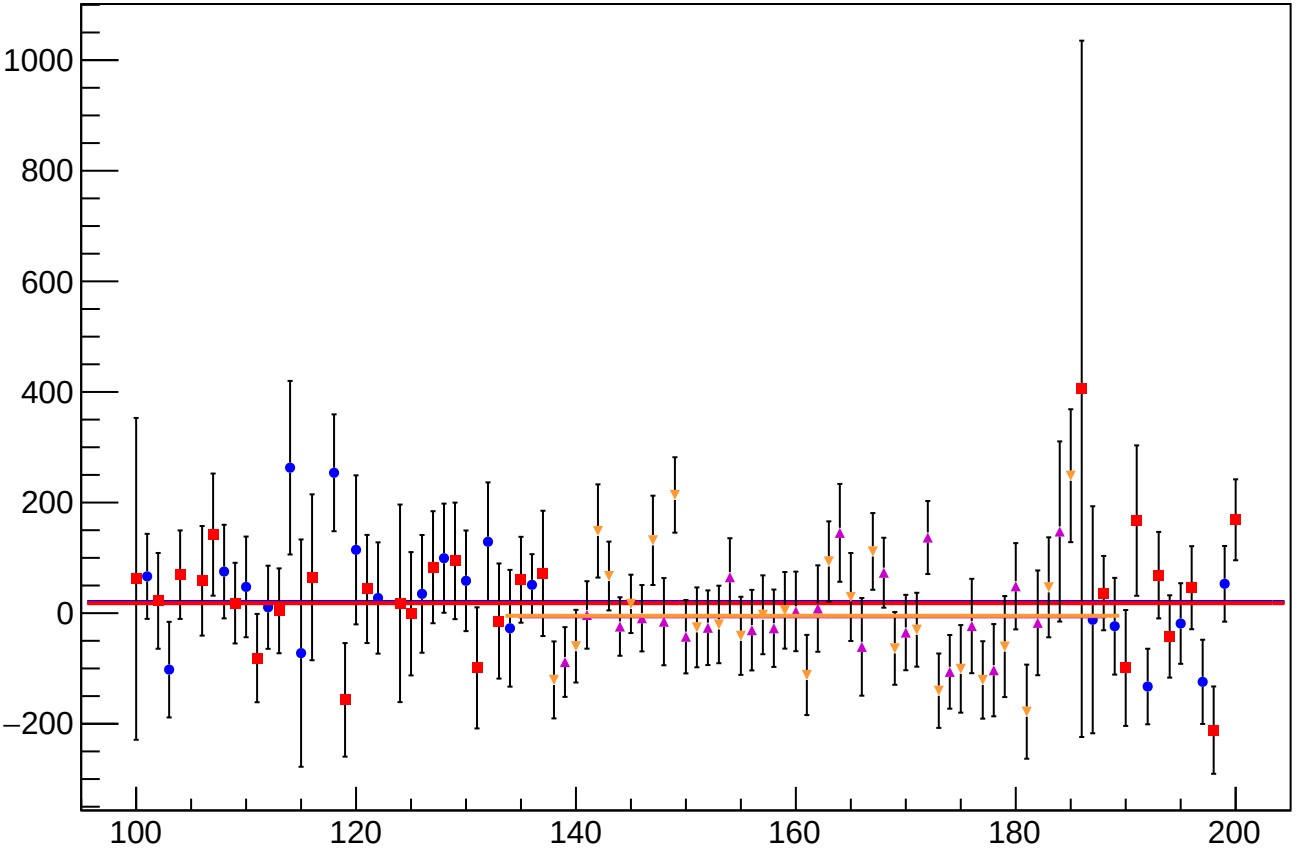
+ sign -0.000+/-0.000 χ^2/NDF: 63.1/46

All: -0.000+/-0.000 χ^2/NDF: 116.4/97

- sign 0.000+/-0.000 χ^2/NDF: 50.0/50


asym_sam_15_48_dd_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
200
Right In: 0.000+/-0.000 χ²/NDF: 4539589.8/21
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4267735.6/27
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 11478372.9/46
All: 0.000+/-0.000 χ²/NDF: 24900904.1/97
- sign 0.000+/-0.000 χ²/NDF: 13399036.5/50

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 20.225+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 18.059+/-17.677 χ^2/NDF: 26.1/27

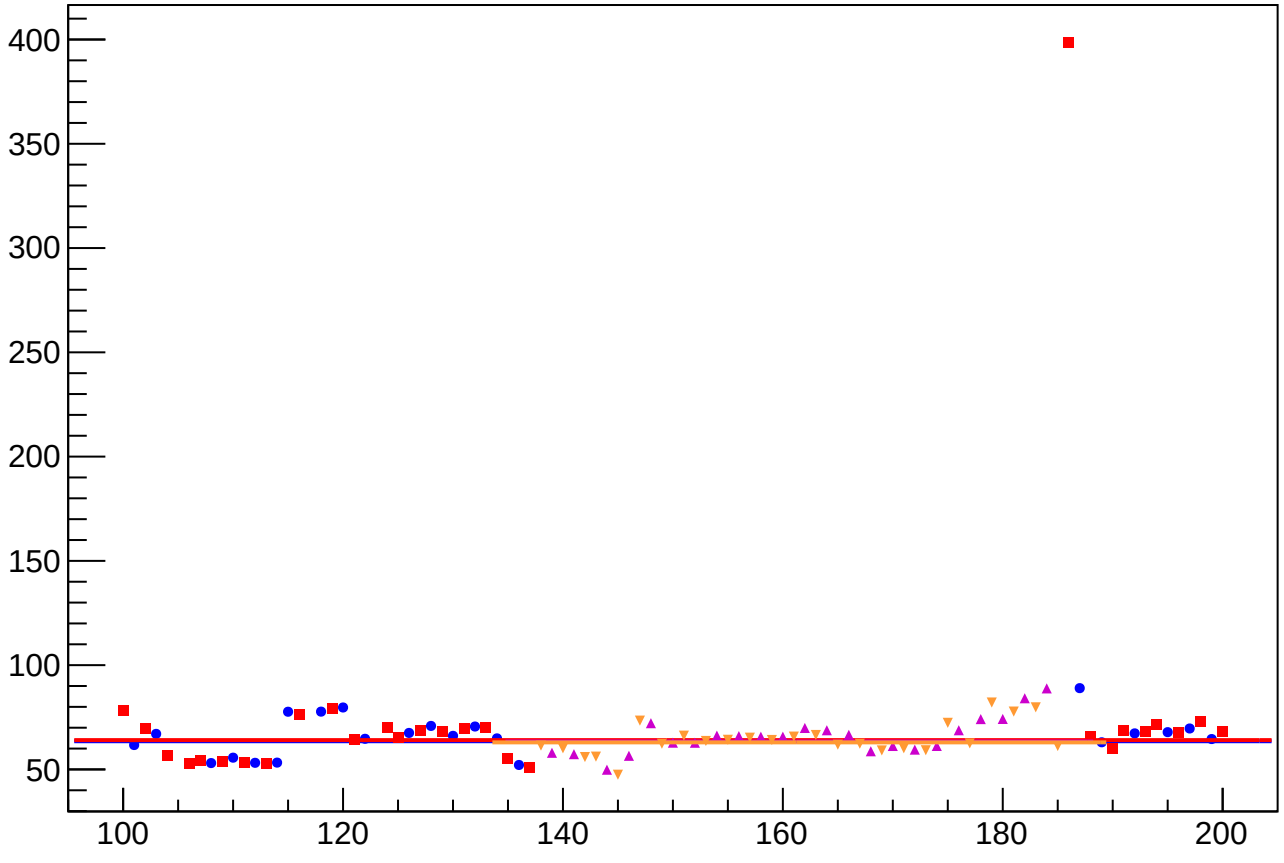
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 4.464+/-11.466 χ^2/NDF: 71.1/46

All: 4.306+/-8.087 χ^2/NDF: 116.5/97

- sign 4.148+/-11.406 χ^2/NDF: 45.4/50

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.1/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

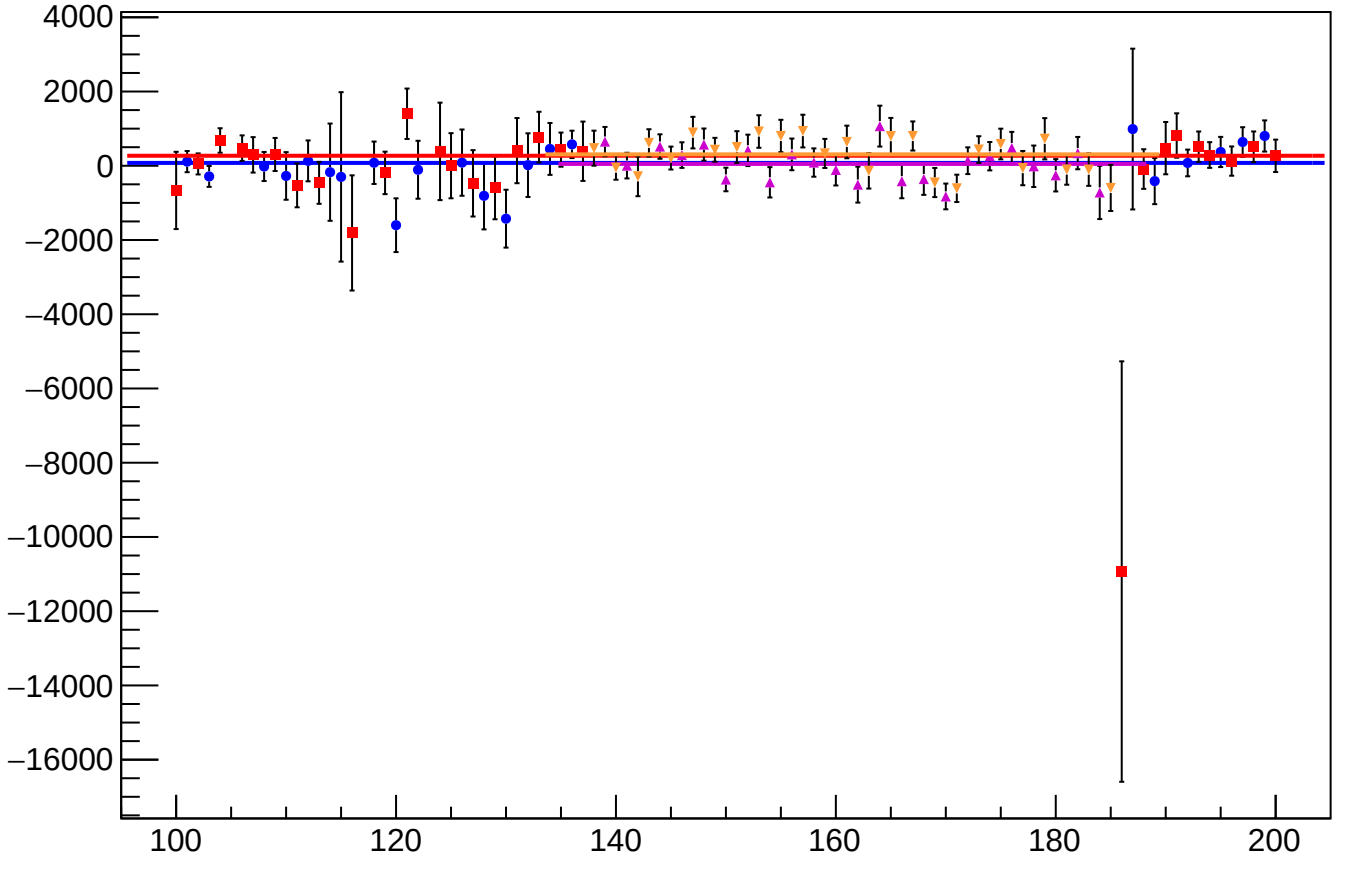
Right Out: 64.053+/-0.012 χ^2/NDF: 955119.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.177+/-0.008 χ^2/NDF: 865107.4/46

All: 63.416+/-0.006 χ^2/NDF: 2320637.0/97

- sign 63.652+/-0.008 χ^2/NDF: 1453810.0/50



Right In: 76.913+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 269.683+/-96.900 χ^2/NDF: 20.7/27

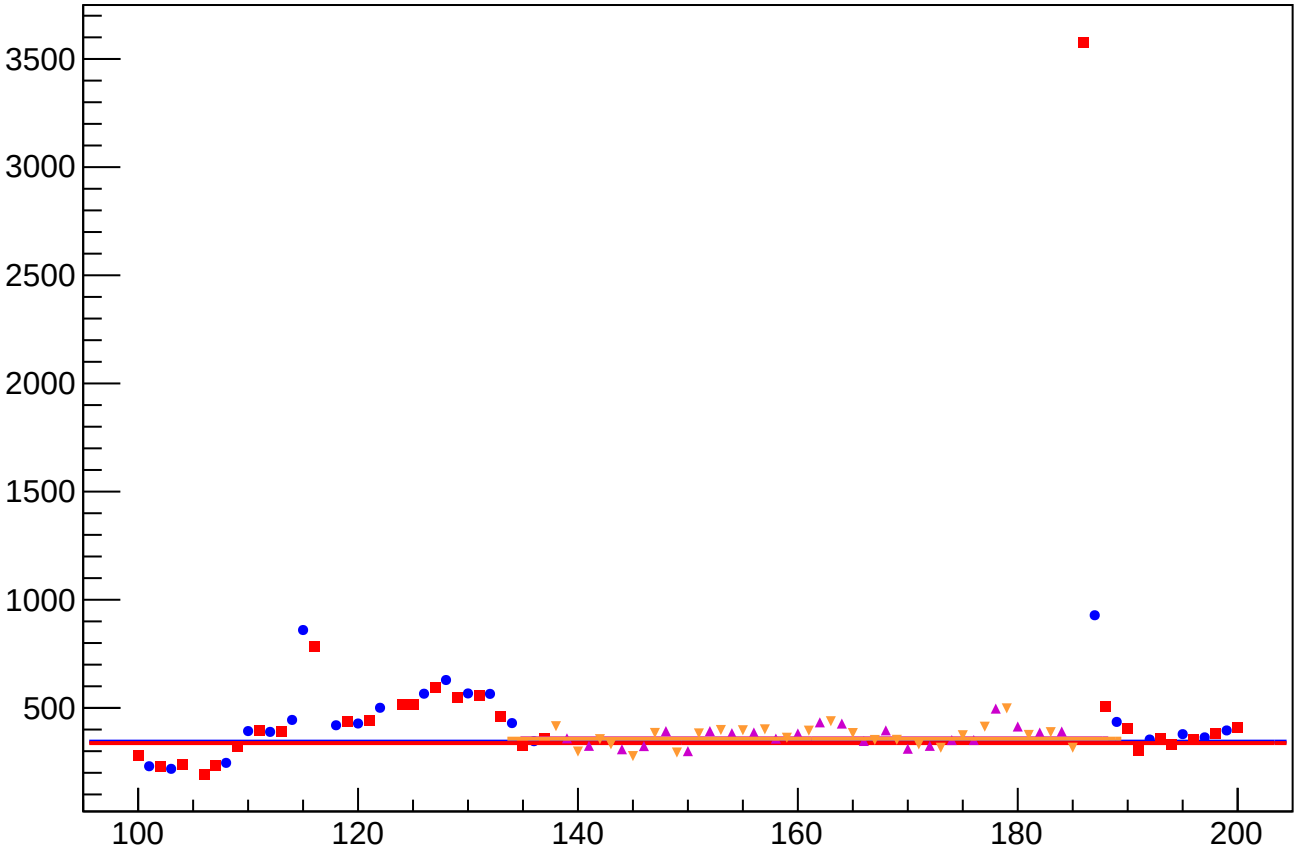
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 182.430+/-45.601 χ^2/NDF: 105.8/97

- sign 145.343+/-63.831 χ^2/NDF: 50.9/50

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 344.072+/-0.075 χ^2/NDF: 2012453.7/21

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 337.383+/-0.069 χ^2/NDF: 2833176.6/27

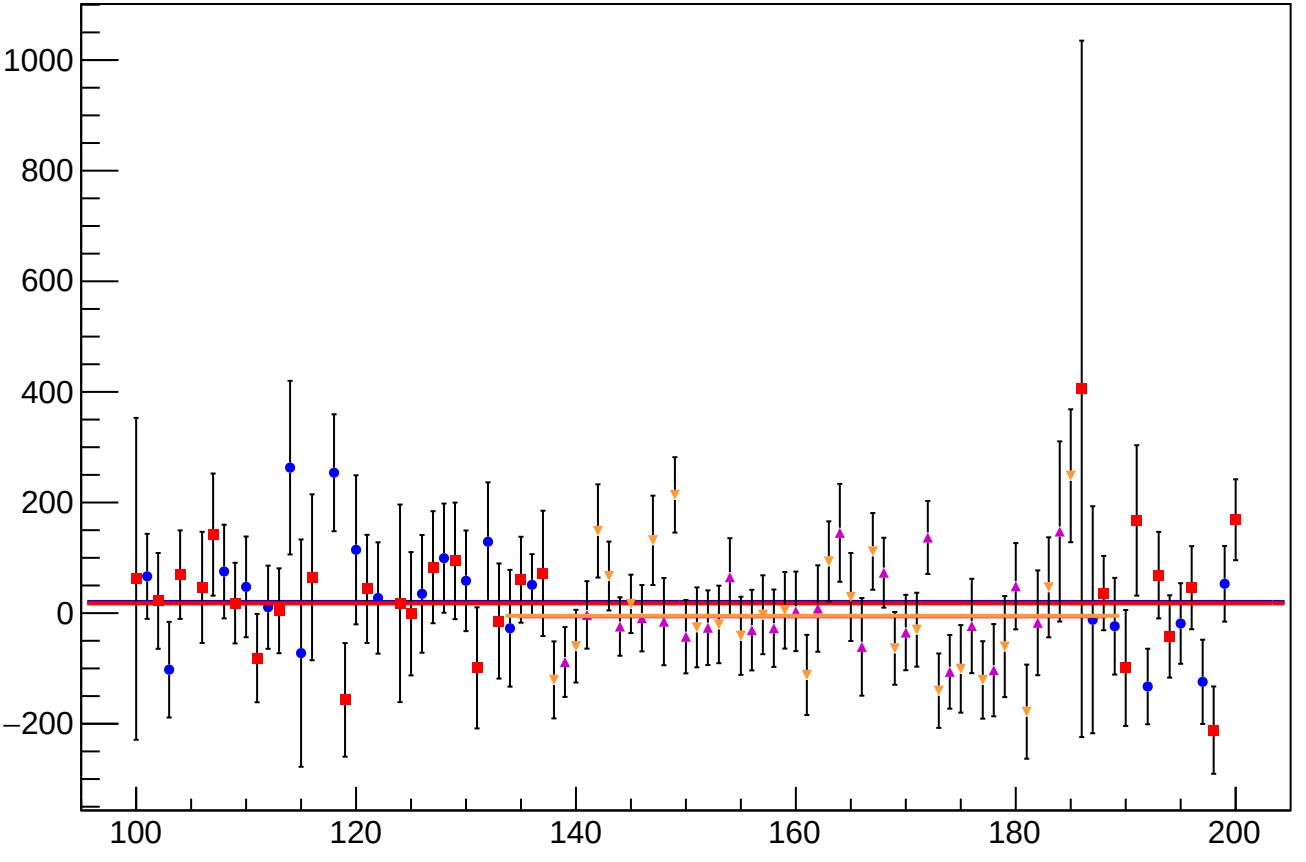
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 352.624+/-0.046 χ^2/NDF: 2716751.2/46

All: 351.192+/-0.032 χ^2/NDF: 6129766.6/97

- sign 349.818+/-0.045 χ^2/NDF: 3411122.2/50

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.653+/-17.685 χ^2/NDF: 26.0/27

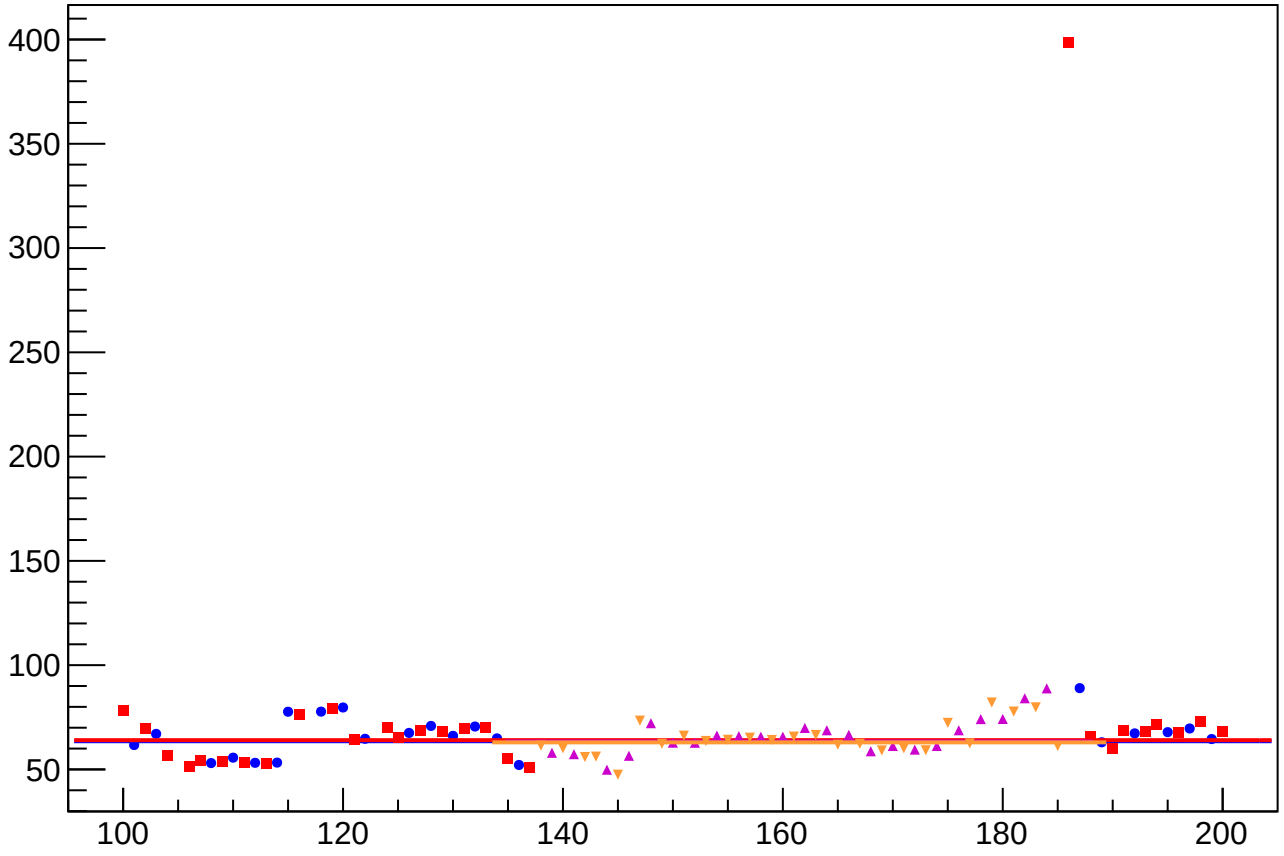
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 4.458+/-11.466 χ^2/NDF: 71.1/46

All: 4.215+/-8.087 χ^2/NDF: 116.4/97

- sign 3.975+/-11.409 χ^2/NDF: 45.3/50

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.030+/-0.013 χ^2/NDF: 959452.3/27

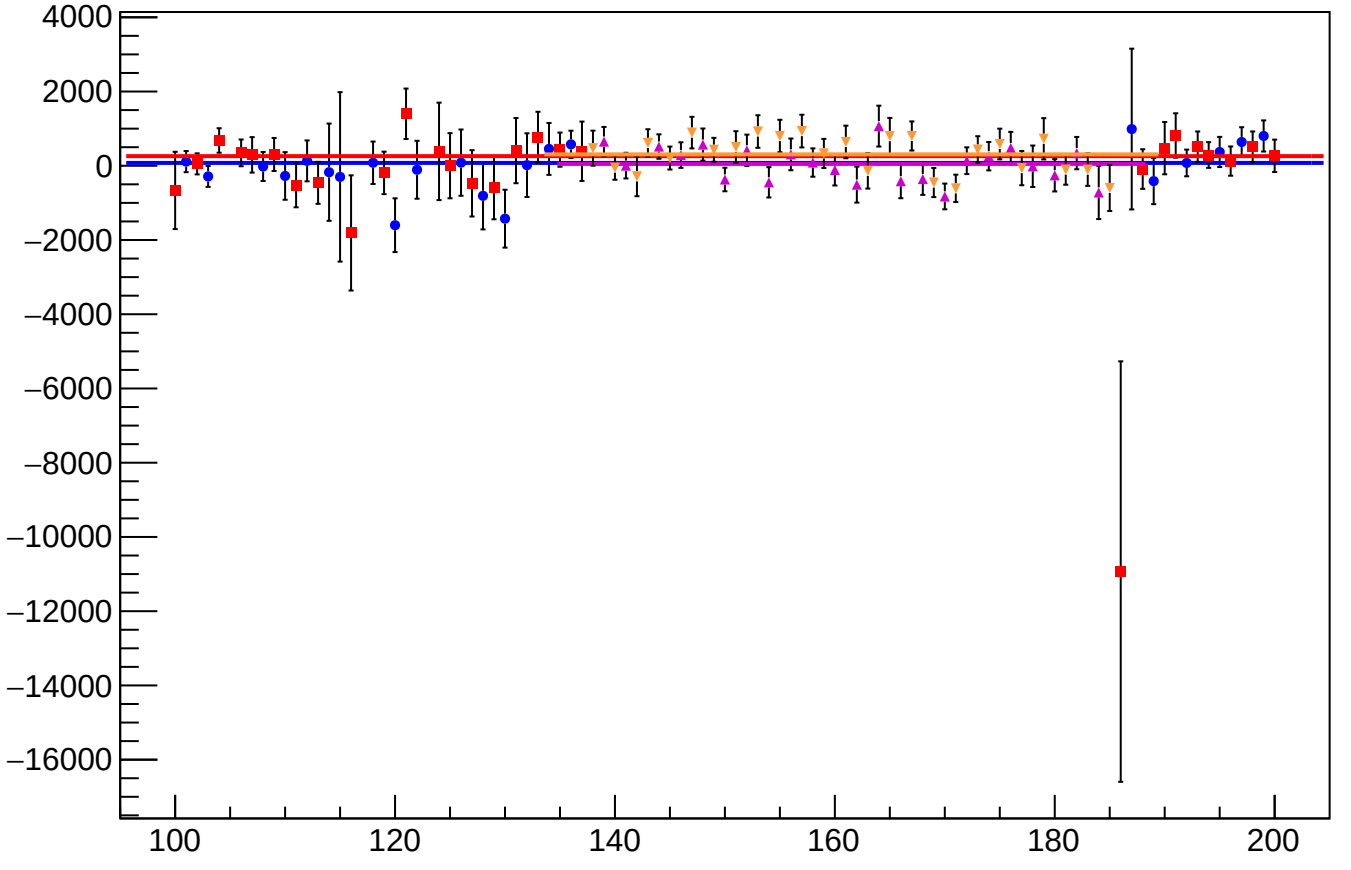
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.177+/-0.008 χ^2/NDF: 865107.6/46

All: 63.411+/-0.006 χ^2/NDF: 2324788.9/97

- sign 63.642+/-0.008 χ^2/NDF: 1458029.6/50

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 259.223+/-97.243 χ^2/NDF: 20.4/27

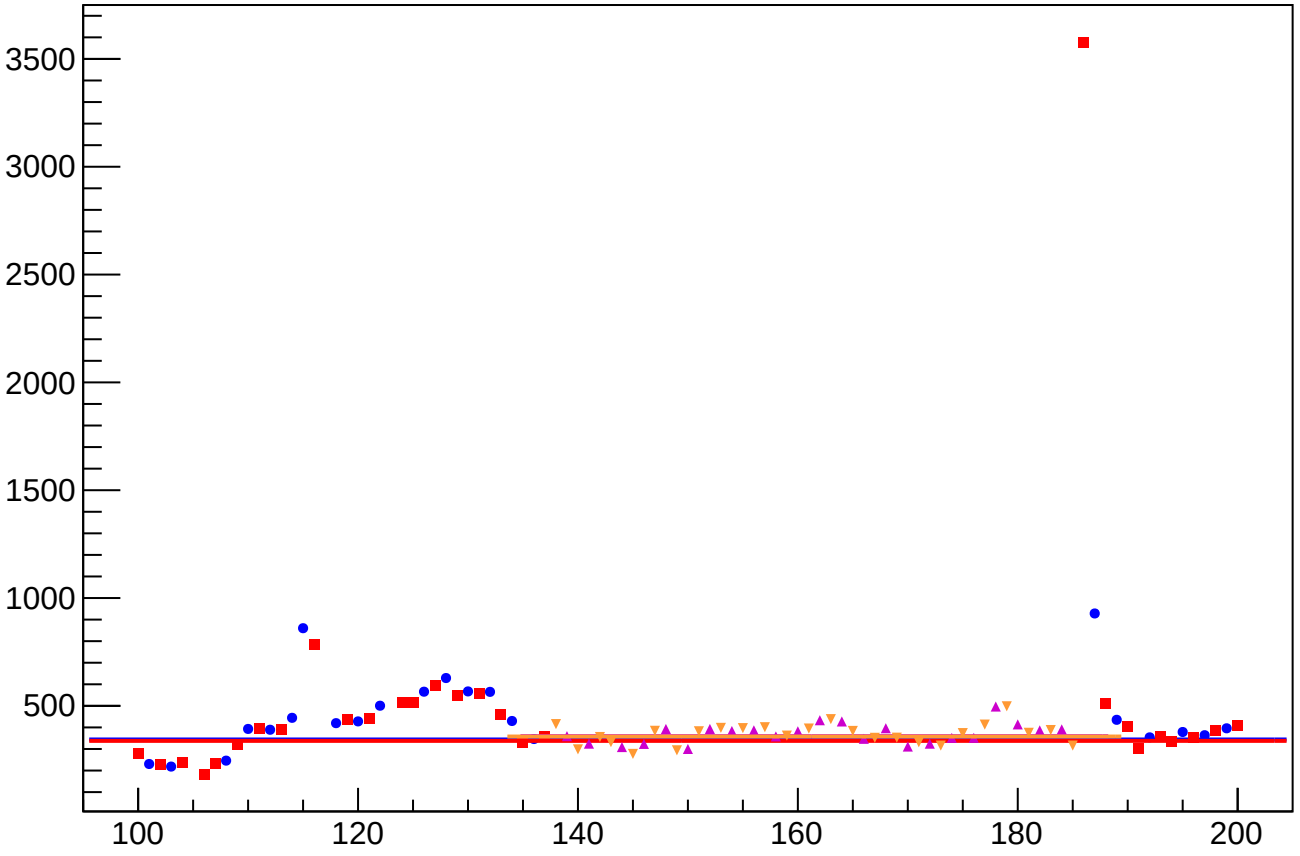
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 179.989+/-45.637 χ^2/NDF: 105.3/97

- sign 140.440+/-63.928 χ^2/NDF: 50.3/50

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

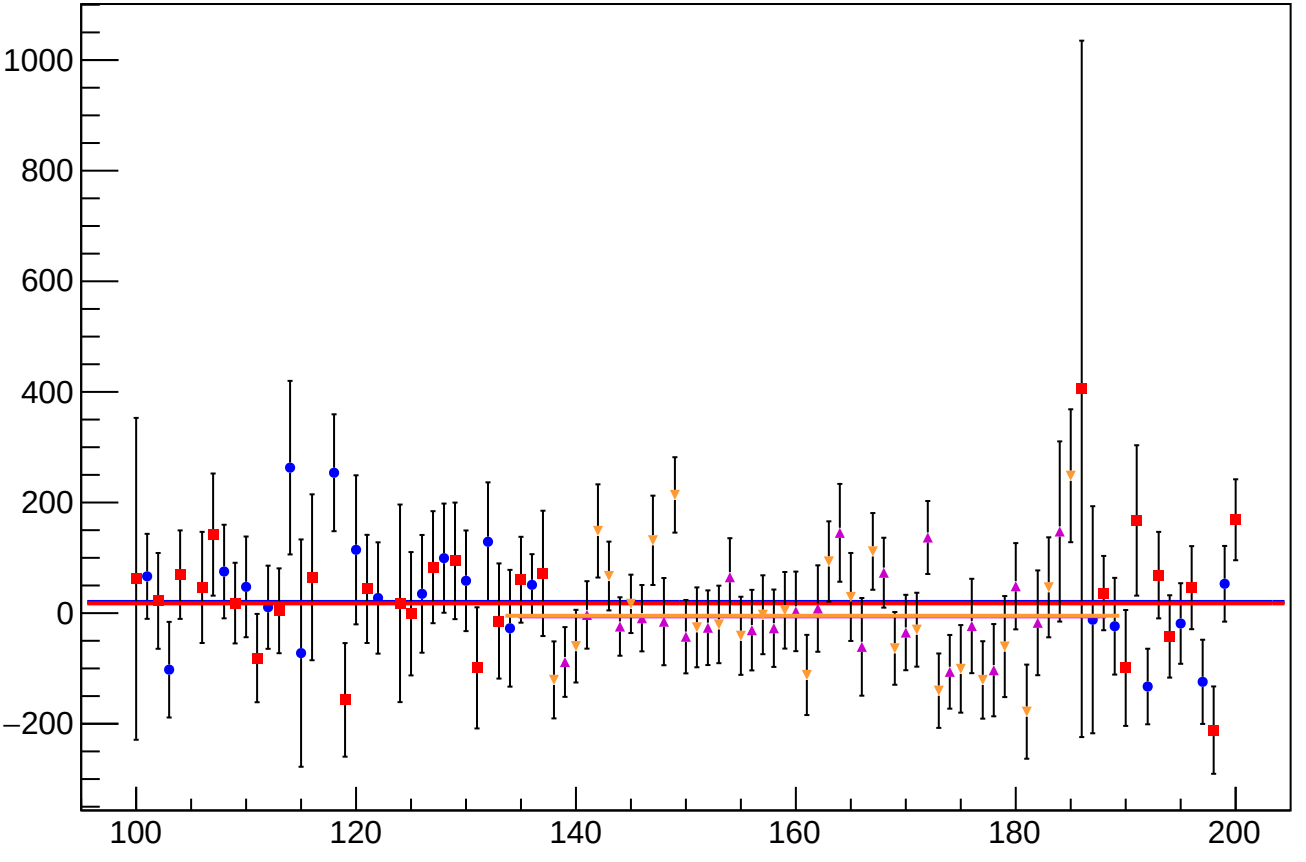
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 352.625+/-0.046 χ^2/NDF: 2716666.5/46

All: 351.277+/-0.032 χ^2/NDF: 6144143.1/97

- sign 349.979+/-0.045 χ^2/NDF: 3425796.4/50

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.653+/-17.685 χ^2/NDF: 26.0/27

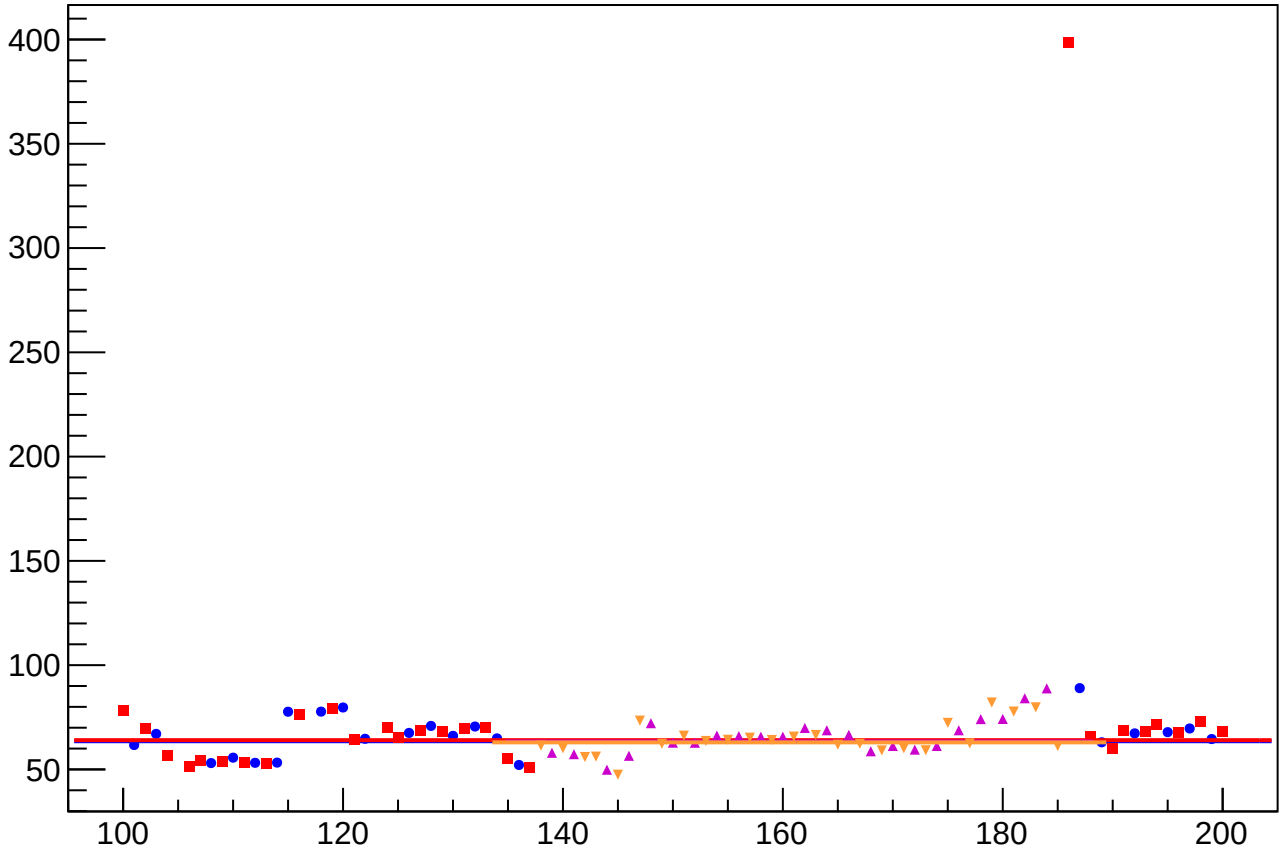
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 4.458+/-11.466 χ^2/NDF: 71.1/46

All: 4.215+/-8.087 χ^2/NDF: 116.4/97

- sign 3.975+/-11.409 χ^2/NDF: 45.3/50

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

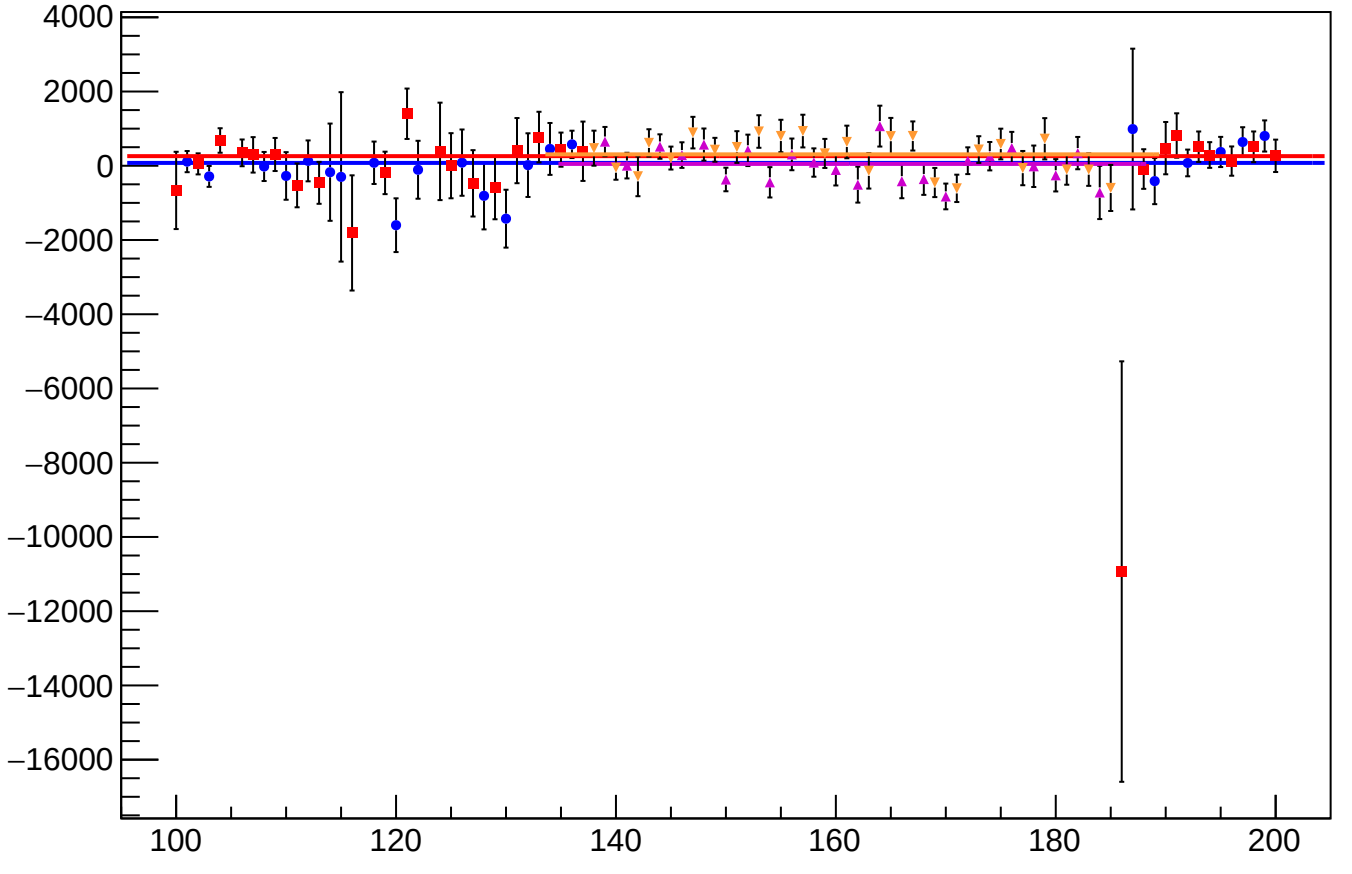
Right Out: 64.030+/-0.013 χ^2/NDF: 959452.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.177+/-0.008 χ^2/NDF: 865107.6/46

All: 63.411+/-0.006 χ^2/NDF: 2324788.9/97

- sign 63.642+/-0.008 χ^2/NDF: 1458029.6/50



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

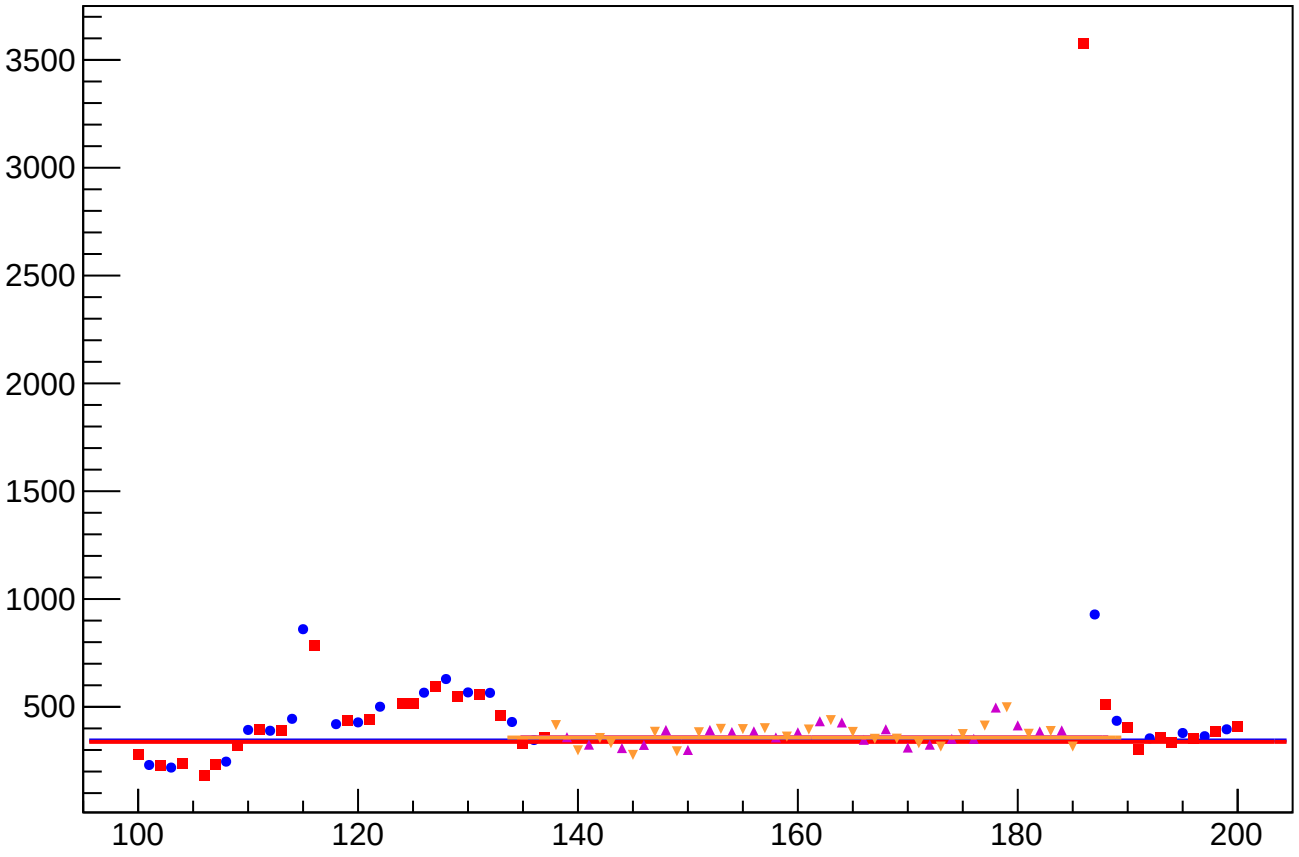
Right Out: 259.223+/-97.243 χ^2/NDF: 20.4/27

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 179.989+/-45.637 χ^2/NDF: 105.3/97

- sign 140.440+/-63.928 χ^2/NDF: 50.3/50



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

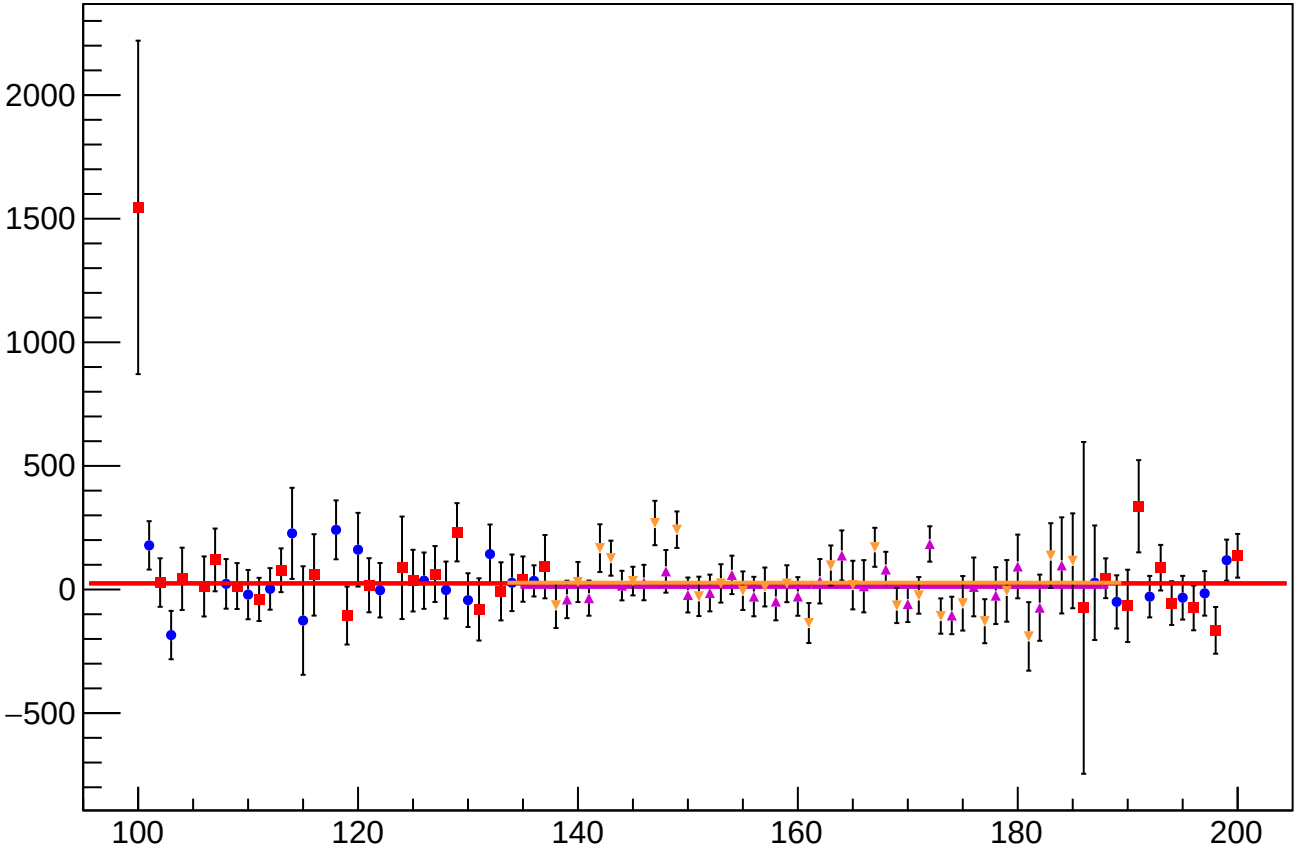
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 352.625+/-0.046 χ^2/NDF: 2716666.5/46

All: 351.277+/-0.032 χ^2/NDF: 6144143.1/97

- sign 349.979+/-0.045 χ^2/NDF: 3425796.4/50

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 25.292+/-21.036 χ^2/NDF: 23.7/27

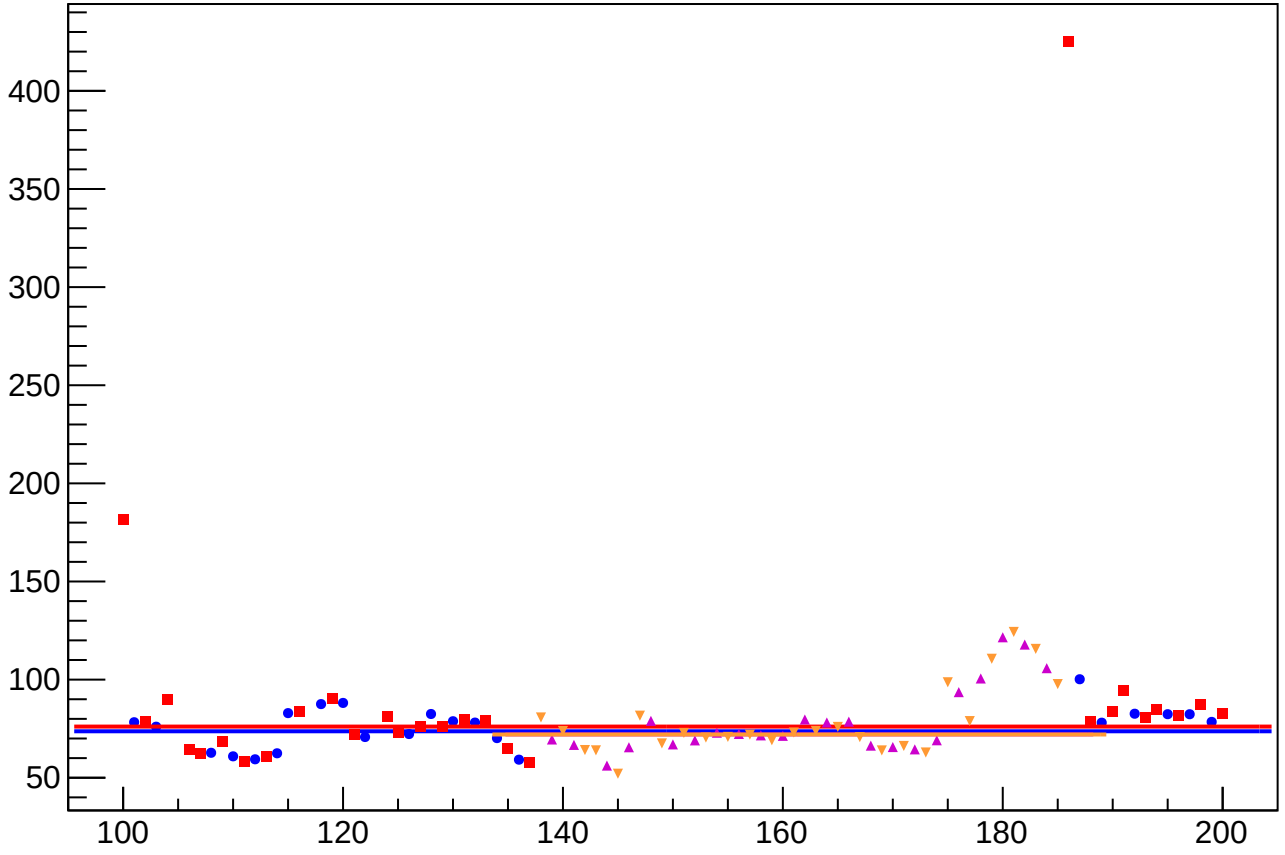
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.488+/-13.311 χ^2/NDF: 59.8/46

All: 21.475+/-9.418 χ^2/NDF: 100.1/97

- sign 16.450+/-13.327 χ^2/NDF: 40.0/50

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.674+/-0.016 χ^2/NDF: 401507.5/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

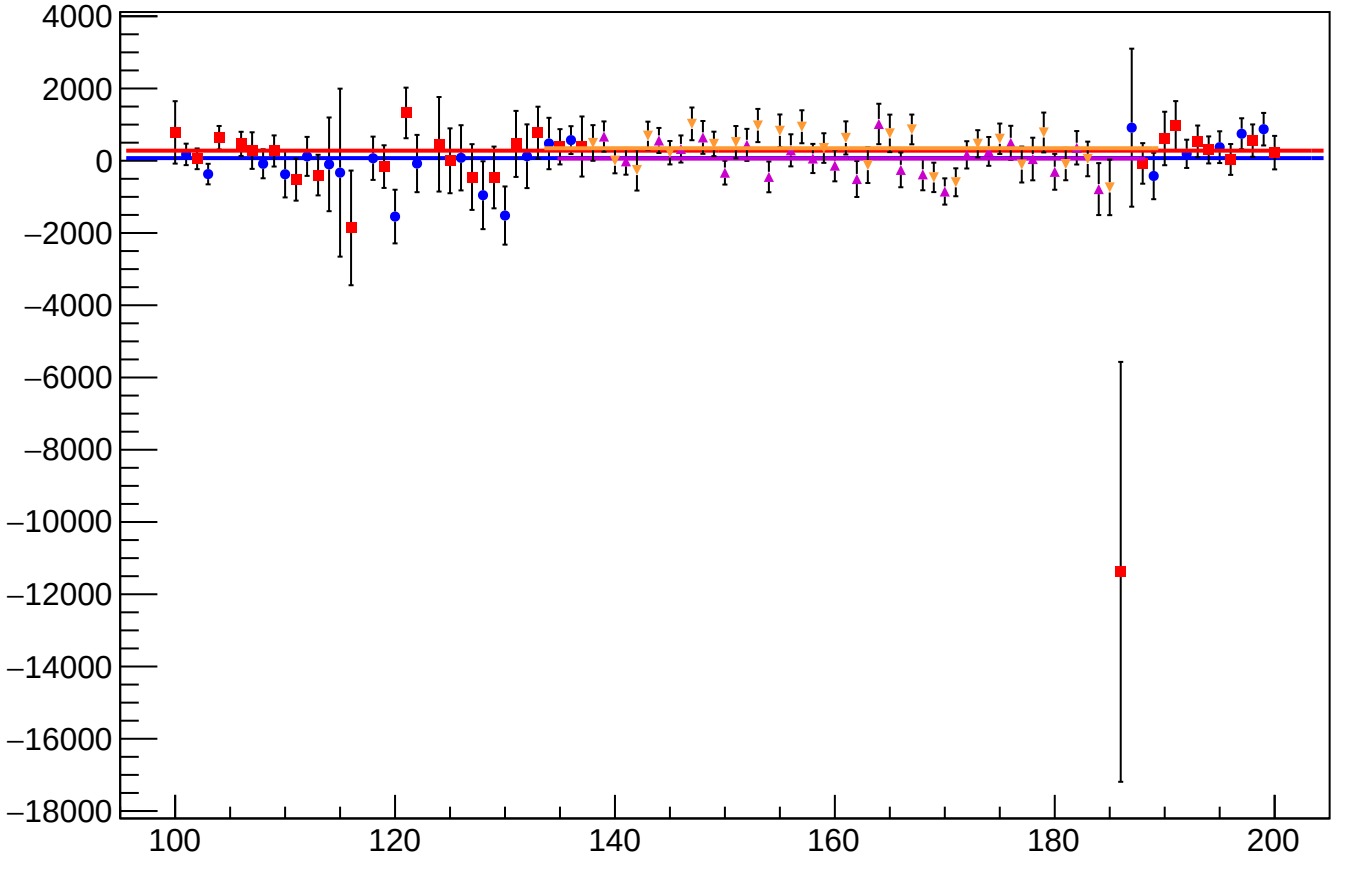
Right Out: 76.068+/-0.015 χ^2/NDF: 1024824.1/27

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

\+ sign 72.641+/-0.009 χ^2/NDF: 1677979.7/46

All: 73.164+/-0.007 χ^2/NDF: 3810609.5/97

\- sign 73.688+/-0.009 χ^2/NDF: 2126455.4/50



Right In: 72.583+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 278.961+/-99.822 χ^2/NDF: 19.2/27

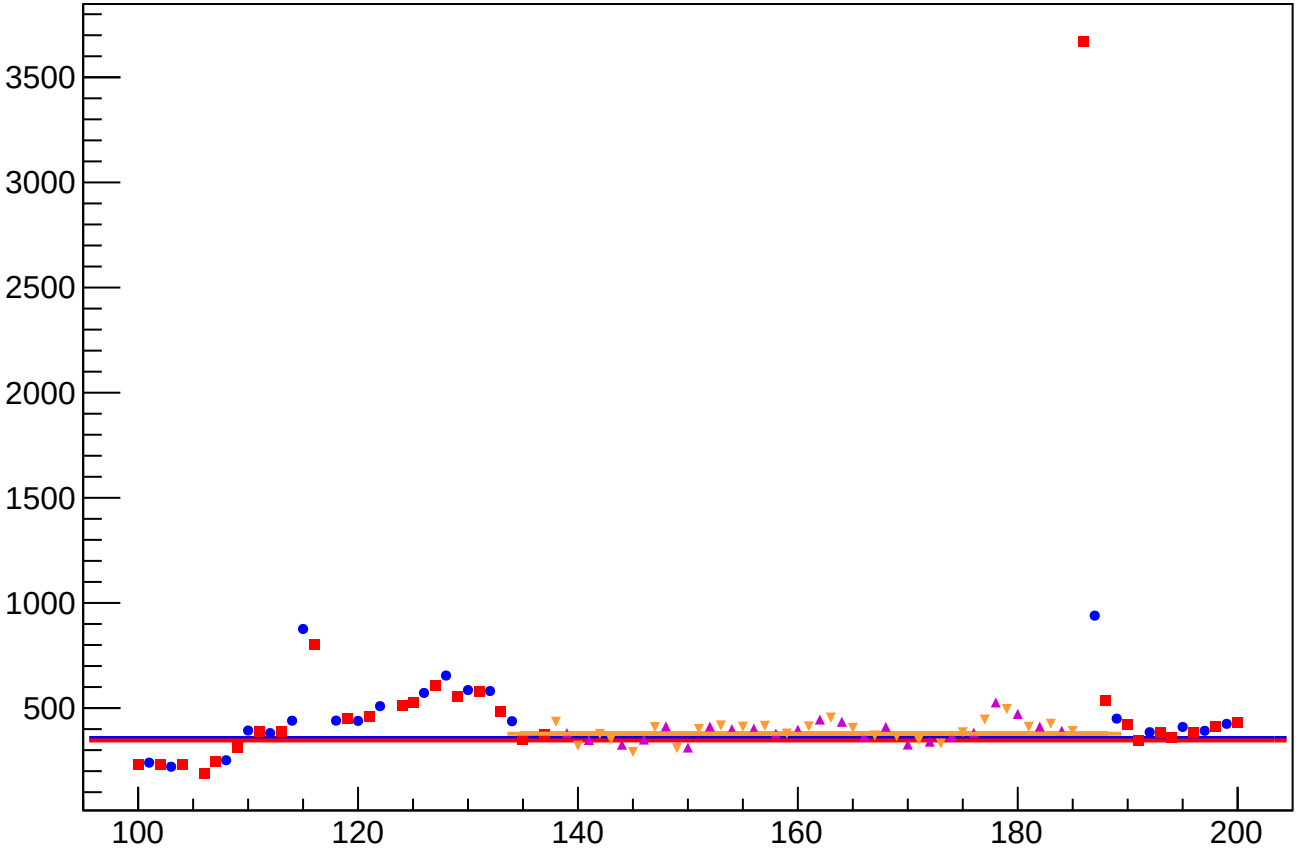
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 242.062+/-68.359 χ^2/NDF: 54.8/46

All: 198.638+/-47.703 χ^2/NDF: 103.3/97

\- sign 157.420+/-66.601 χ^2/NDF: 47.7/50

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 357.662+/-0.078 χ^2/NDF: 2070587.9/21

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 346.010+/-0.071 χ^2/NDF: 3101477.0/27

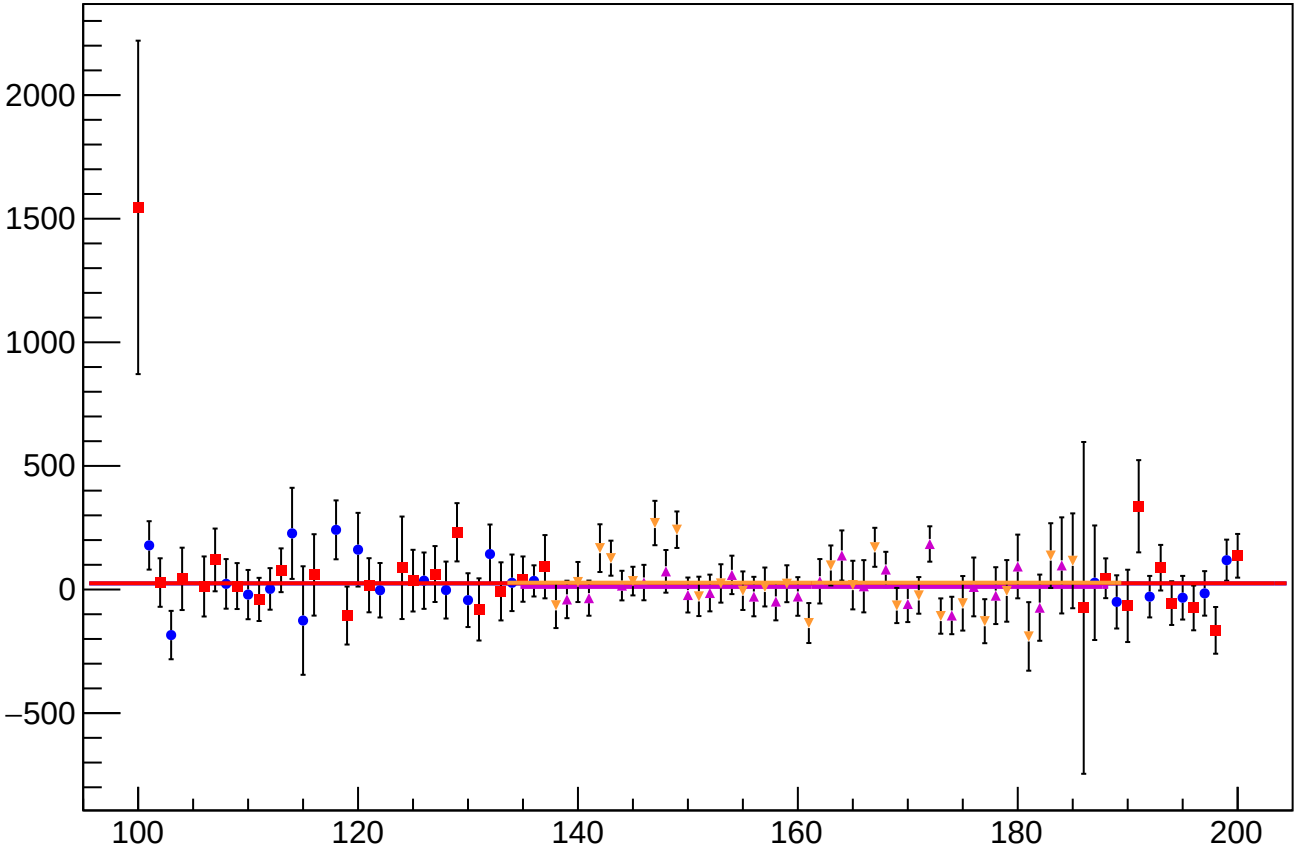
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 370.144+/-0.048 χ^2/NDF: 2748185.0/46

All: 367.116+/-0.034 χ^2/NDF: 6505242.3/97

- sign 364.242+/-0.047 χ^2/NDF: 3749408.7/50

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 25.292+/-21.036 χ^2/NDF: 23.7/27

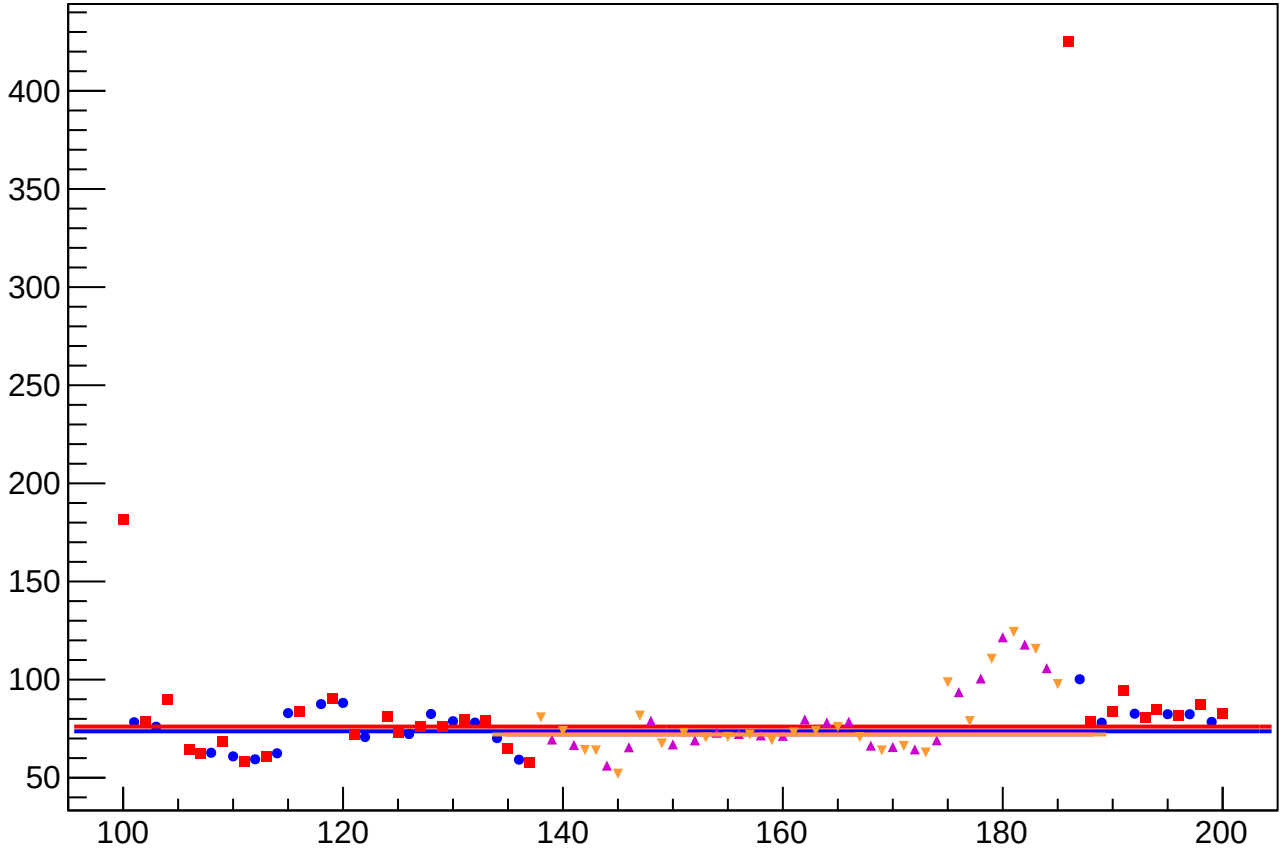
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.487+/-13.311 χ^2/NDF: 59.8/46

All: 21.474+/-9.418 χ^2/NDF: 100.1/97

- sign 16.450+/-13.327 χ^2/NDF: 40.0/50

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.674+/-0.016 χ^2/NDF: 401504.9/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

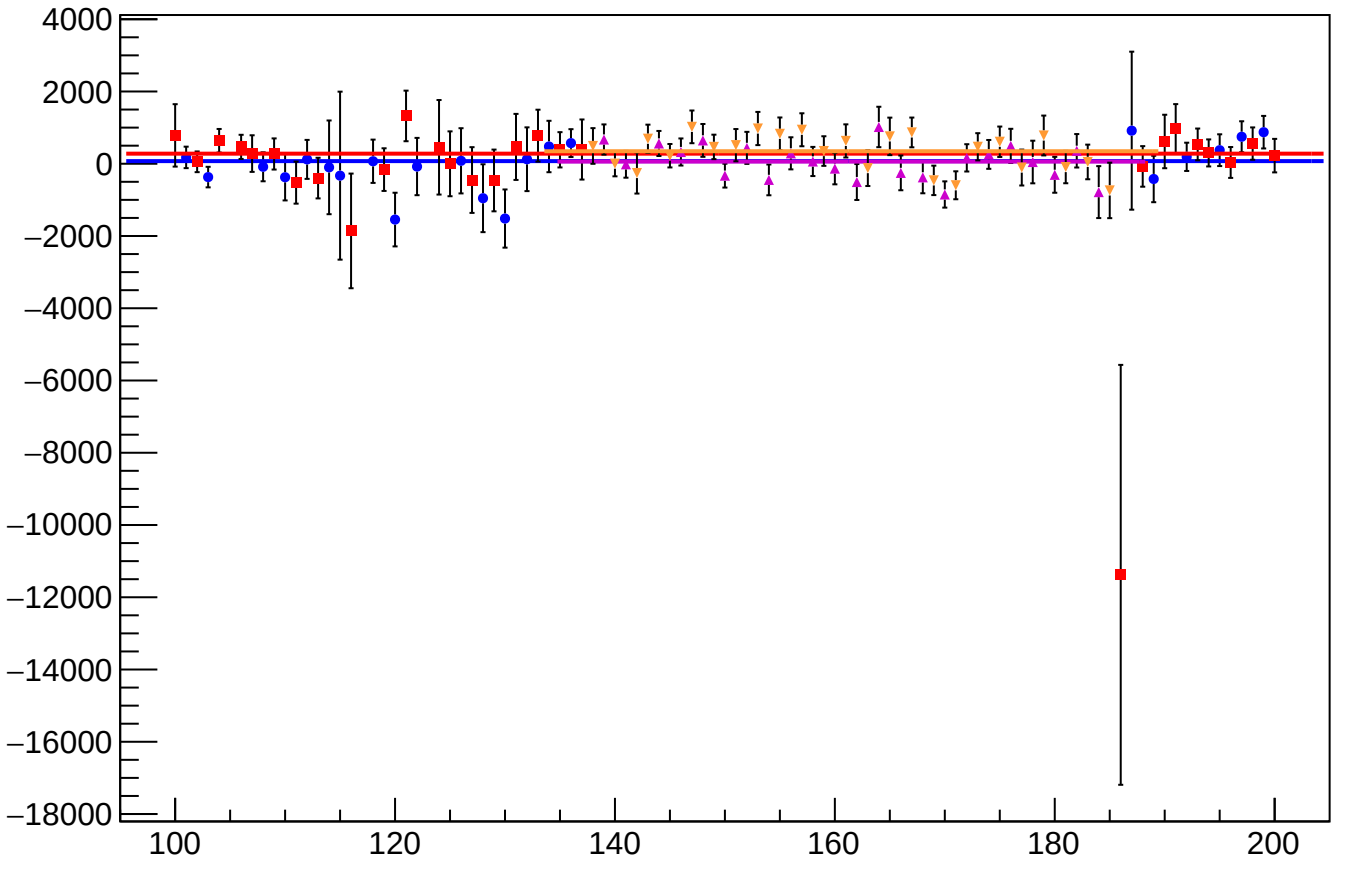
Right Out: 76.068+/-0.015 χ^2/NDF: 1024820.5/27

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.641+/-0.009 χ^2/NDF: 1677985.0/46

All: 73.164+/-0.007 χ^2/NDF: 3810600.2/97

- sign 73.688+/-0.009 χ^2/NDF: 2126441.3/50



Right In: 72.582+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

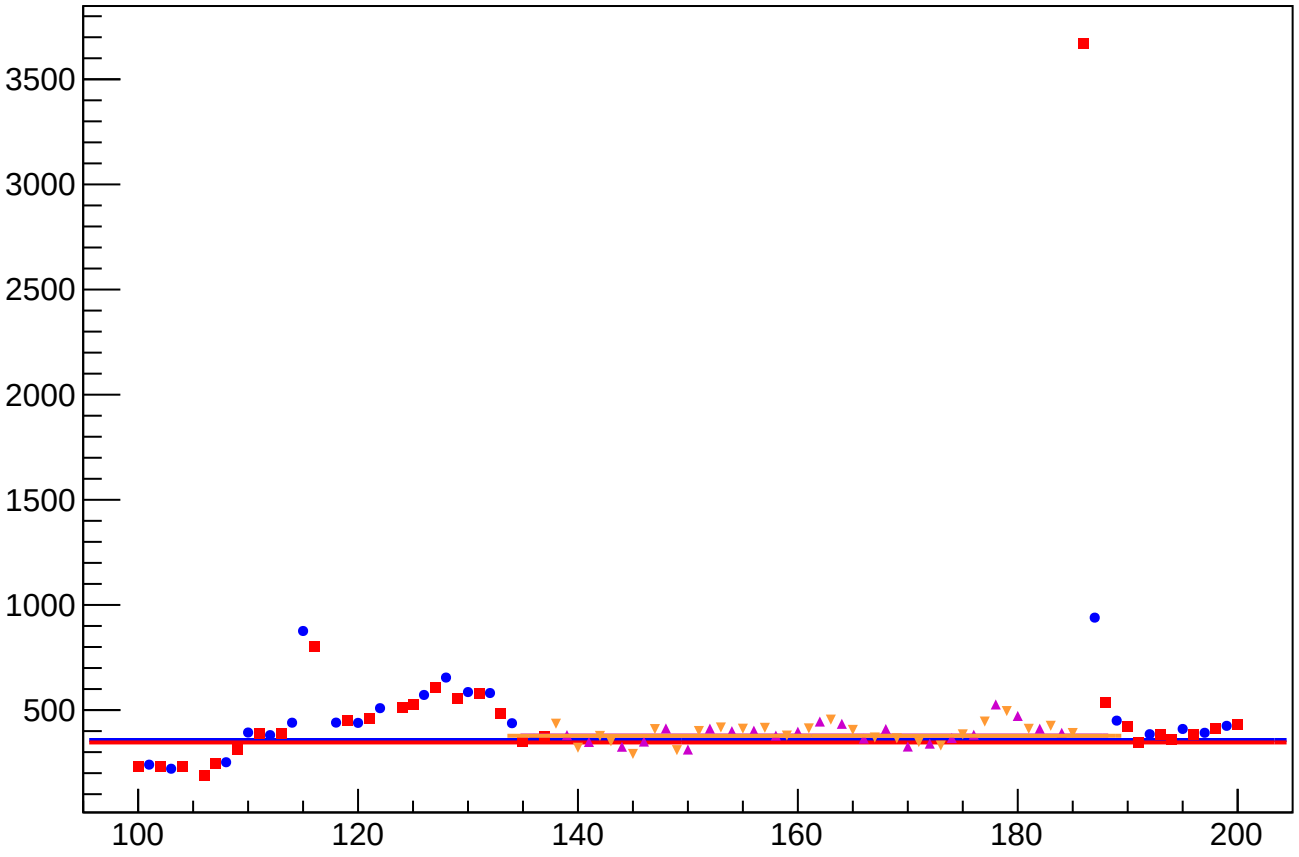
Right Out: 278.960+/-99.822 χ^2/NDF: 19.2/27

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 242.061+/-68.359 χ^2/NDF: 54.8/46

All: 198.638+/-47.703 χ^2/NDF: 103.3/97

- sign 157.419+/-66.601 χ^2/NDF: 47.7/50



Right In: 357.662+/-0.078 χ^2/NDF: 2070583.4/21

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 346.010+/-0.071 χ^2/NDF: 3101464.9/27

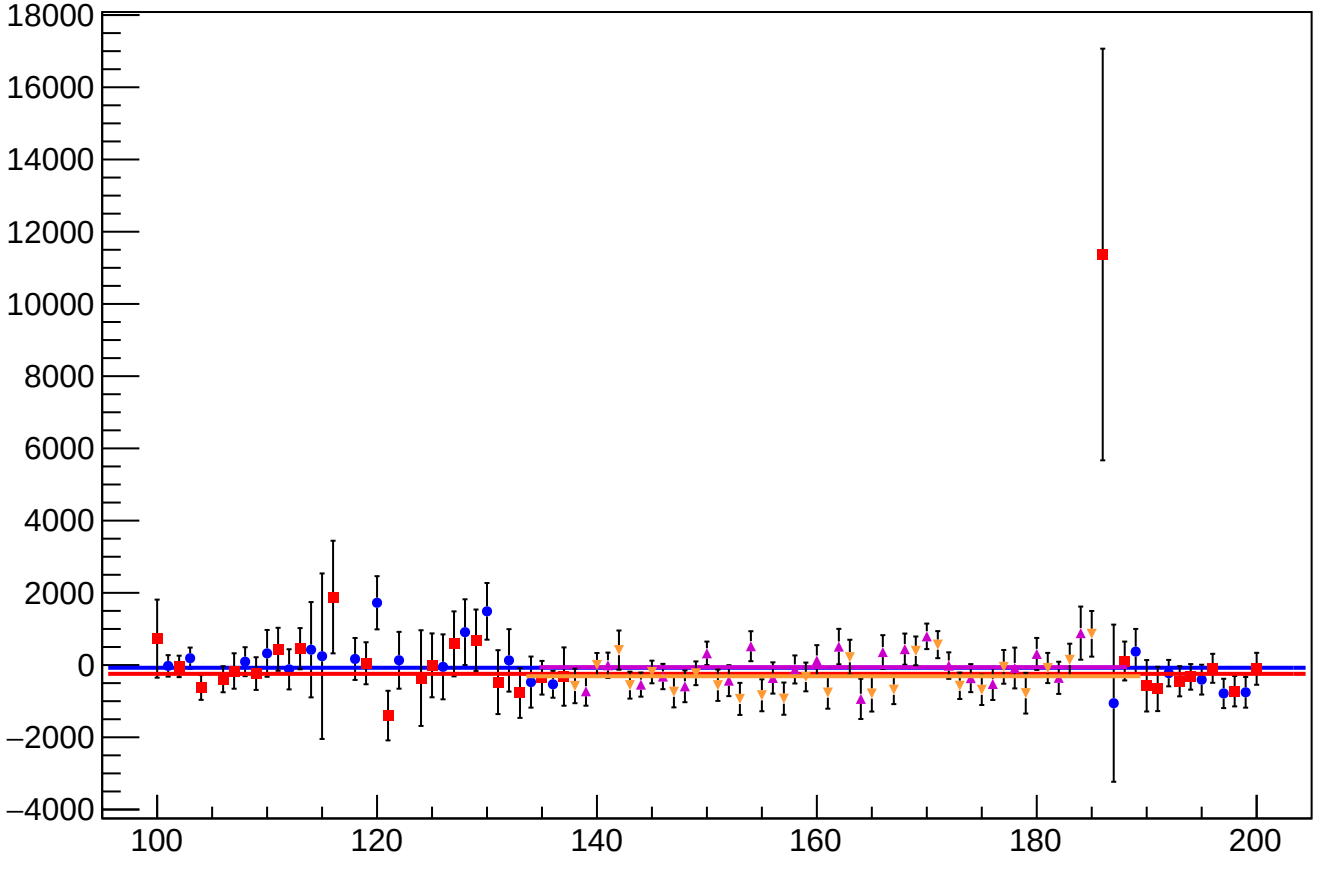
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 370.144+/-0.048 χ^2/NDF: 2748178.7/46

All: 367.116+/-0.034 χ^2/NDF: 6505219.5/97

- sign 364.242+/-0.047 χ^2/NDF: 3749392.0/50

asym_sam_37_48_dd_mean vs Slug



Right In: -74.747+/-109.012 χ^2/NDF: 21.9/21

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -243.276+/-99.236 χ^2/NDF: 20.4/27

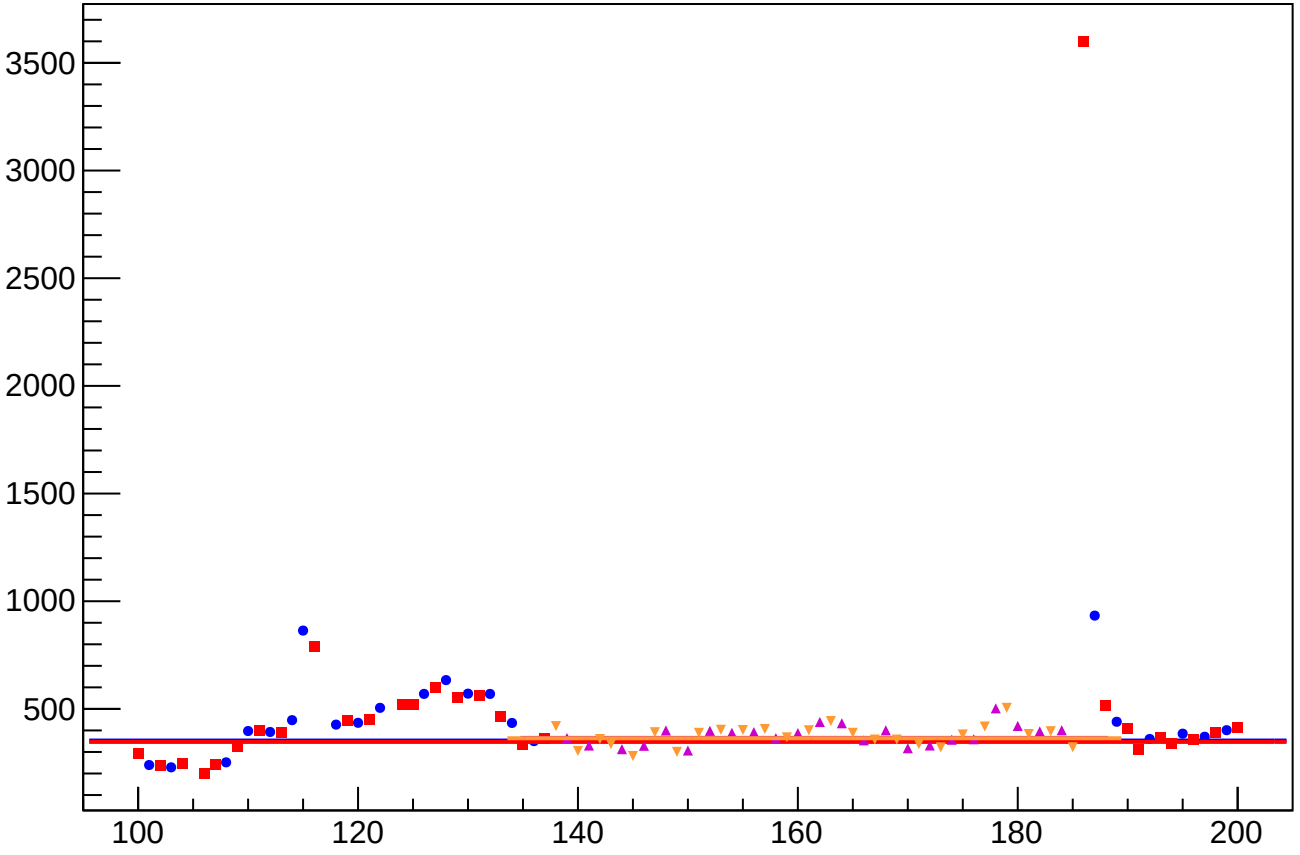
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -222.321+/-66.391 χ^2/NDF: 54.8/46

All: -179.040+/-46.478 χ^2/NDF: 106.0/97

- sign -137.443+/-65.087 χ^2/NDF: 50.4/50

asym_sam_37_48_dd_rms vs Slug



Right In: 353.066+/-0.077 χ^2/NDF: 1874427.1/21

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

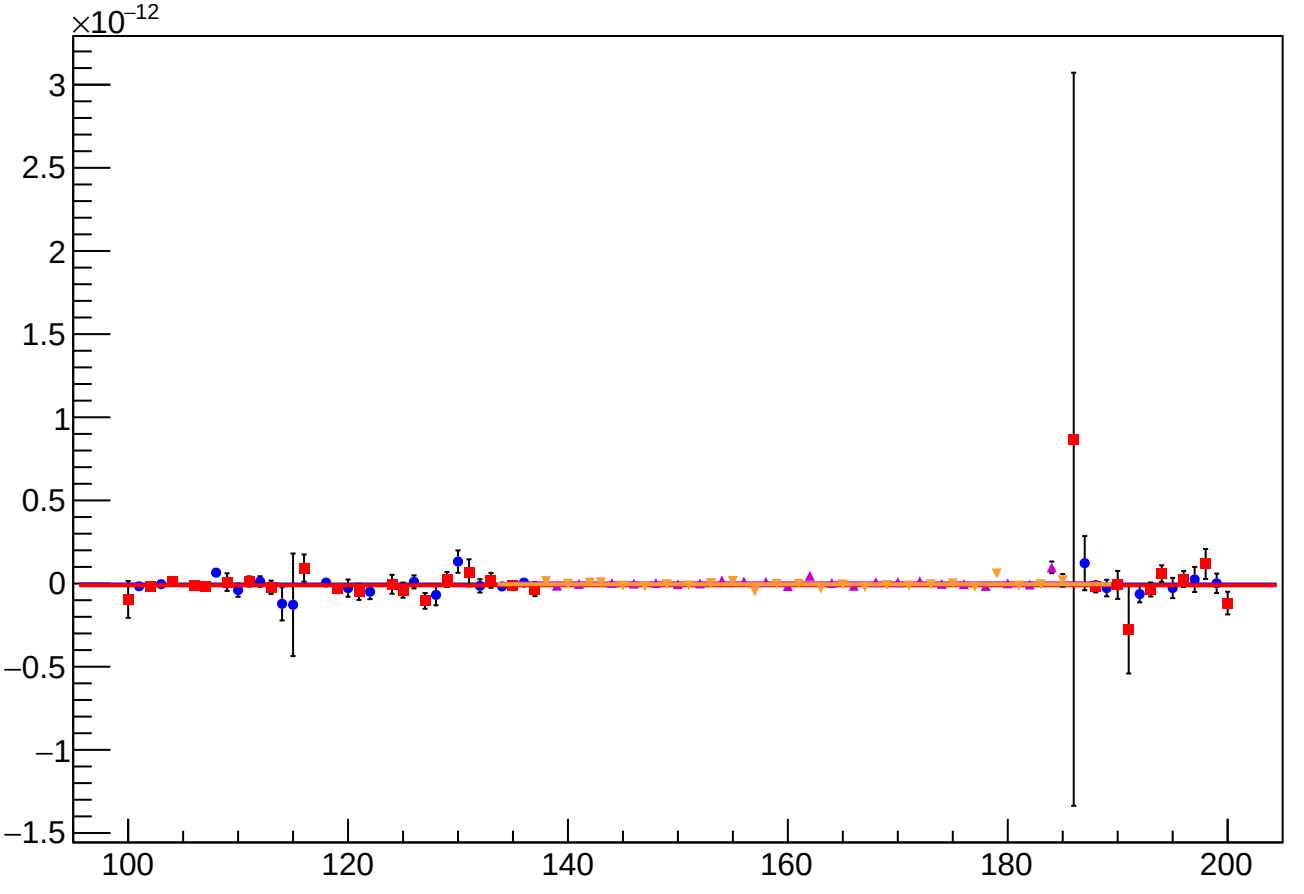
Right Out: 346.701+/-0.070 χ^2/NDF: 2671136.2/27

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 359.765+/-0.047 χ^2/NDF: 2555676.2/46

All: 358.514+/-0.033 χ^2/NDF: 5777836.9/97

- sign 357.312+/-0.046 χ^2/NDF: 3220769.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

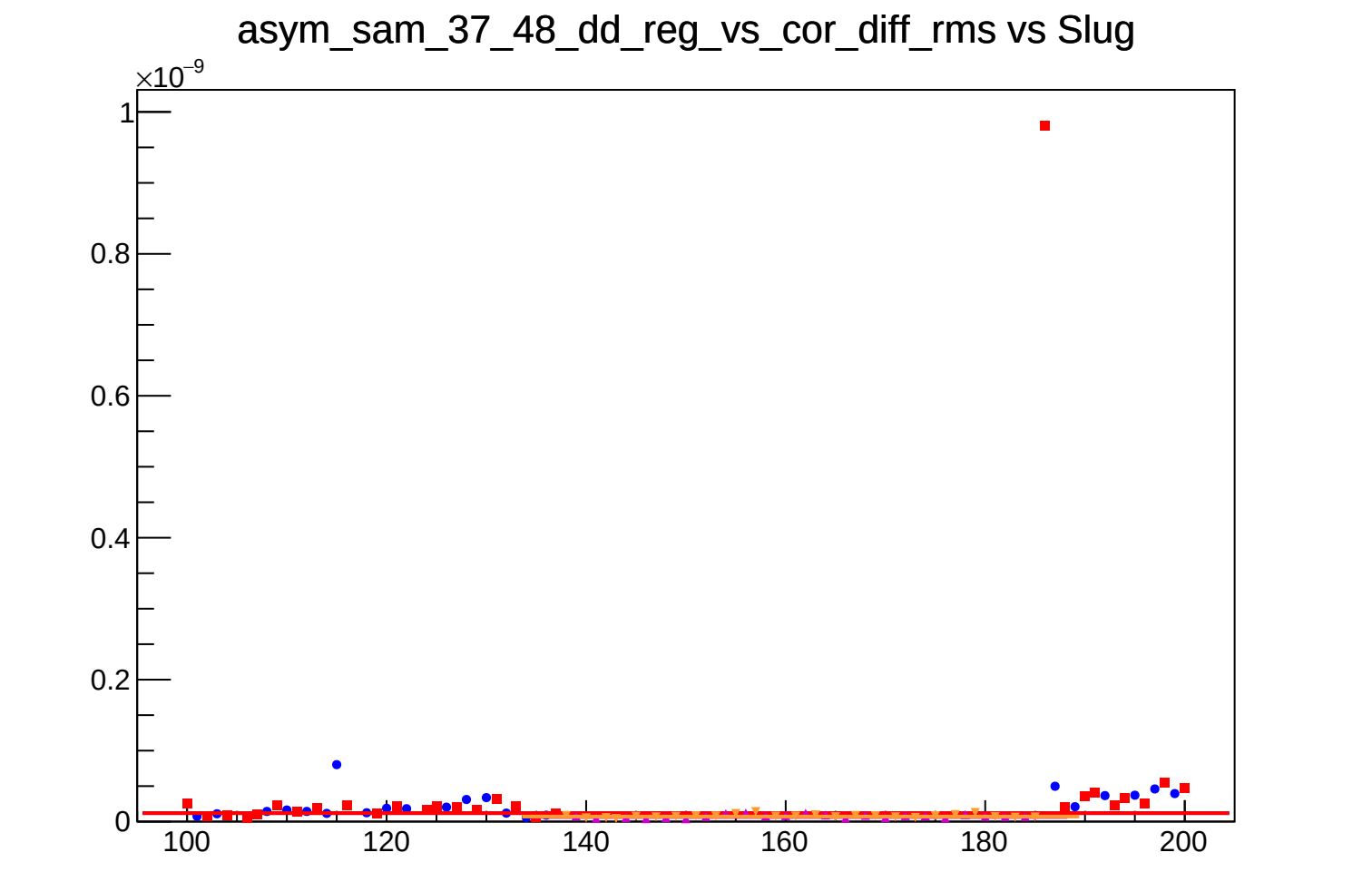
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/27

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/46

All: -0.000+/-0.000 χ^2/NDF: 88.1/97

- sign -0.000+/-0.000 χ^2/NDF: 45.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 3150523.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3958412.4/27

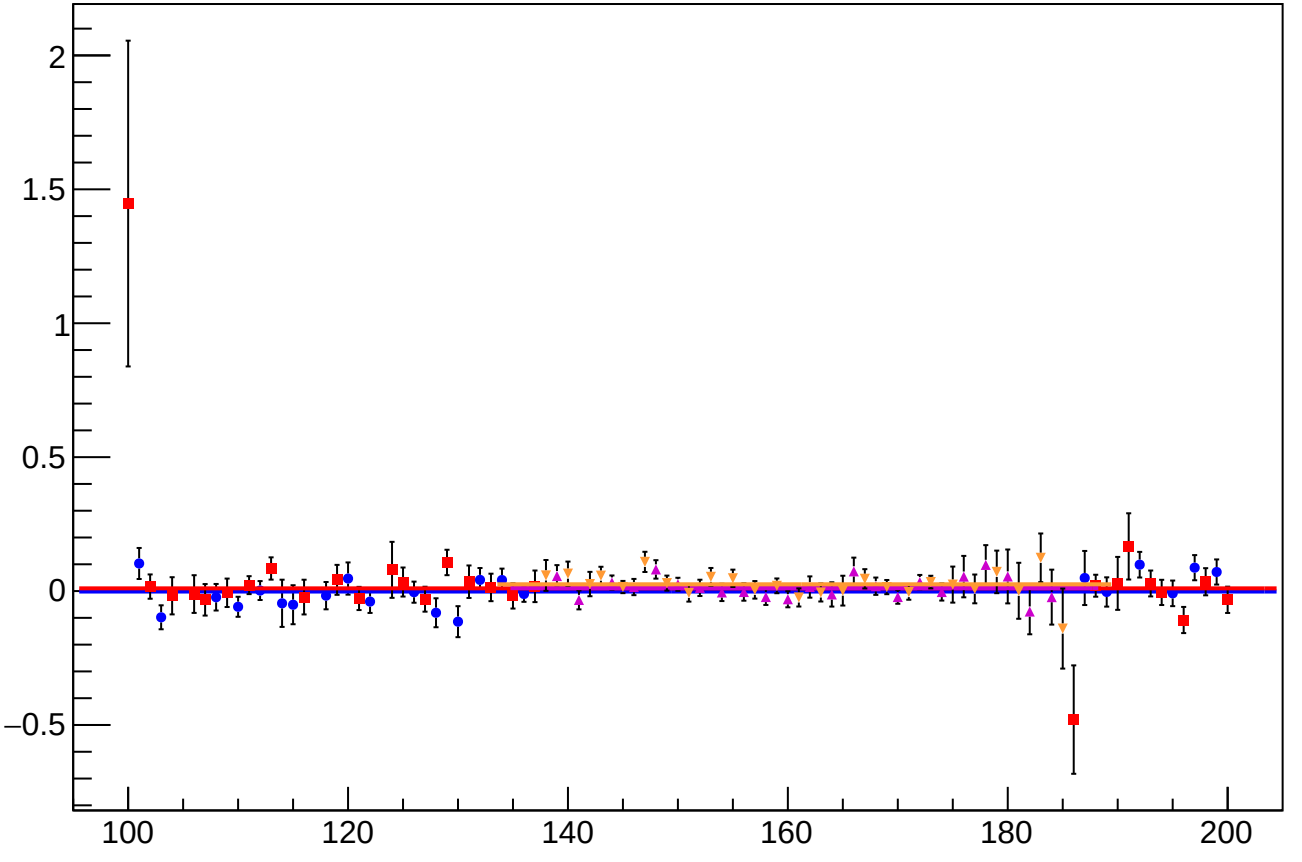
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5031857.4/46

All: 0.000+/-0.000 χ^2/NDF: 11609231.5/97

- sign 0.000+/-0.000 χ^2/NDF: 6528042.0/50

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

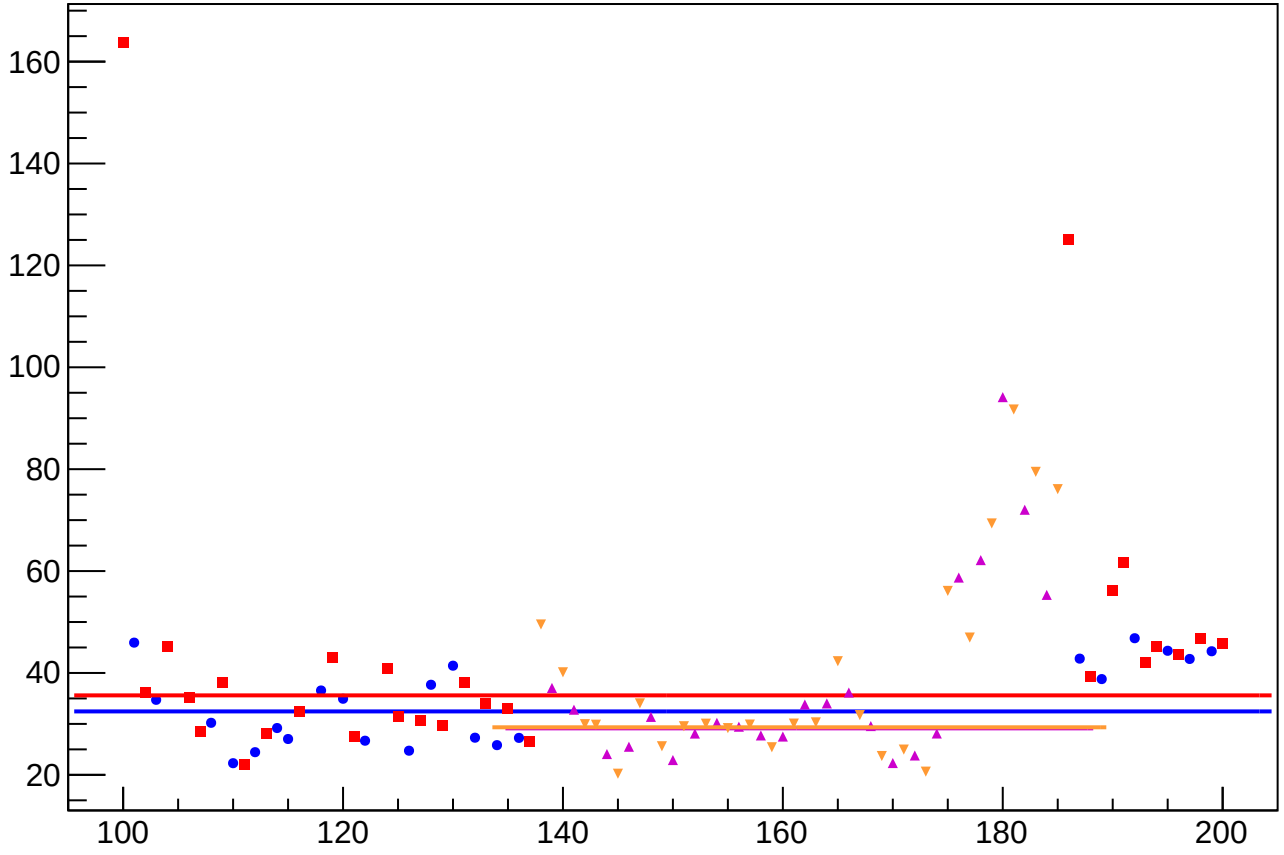
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.013+/-0.004 χ^2/NDF: 104.9/97

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

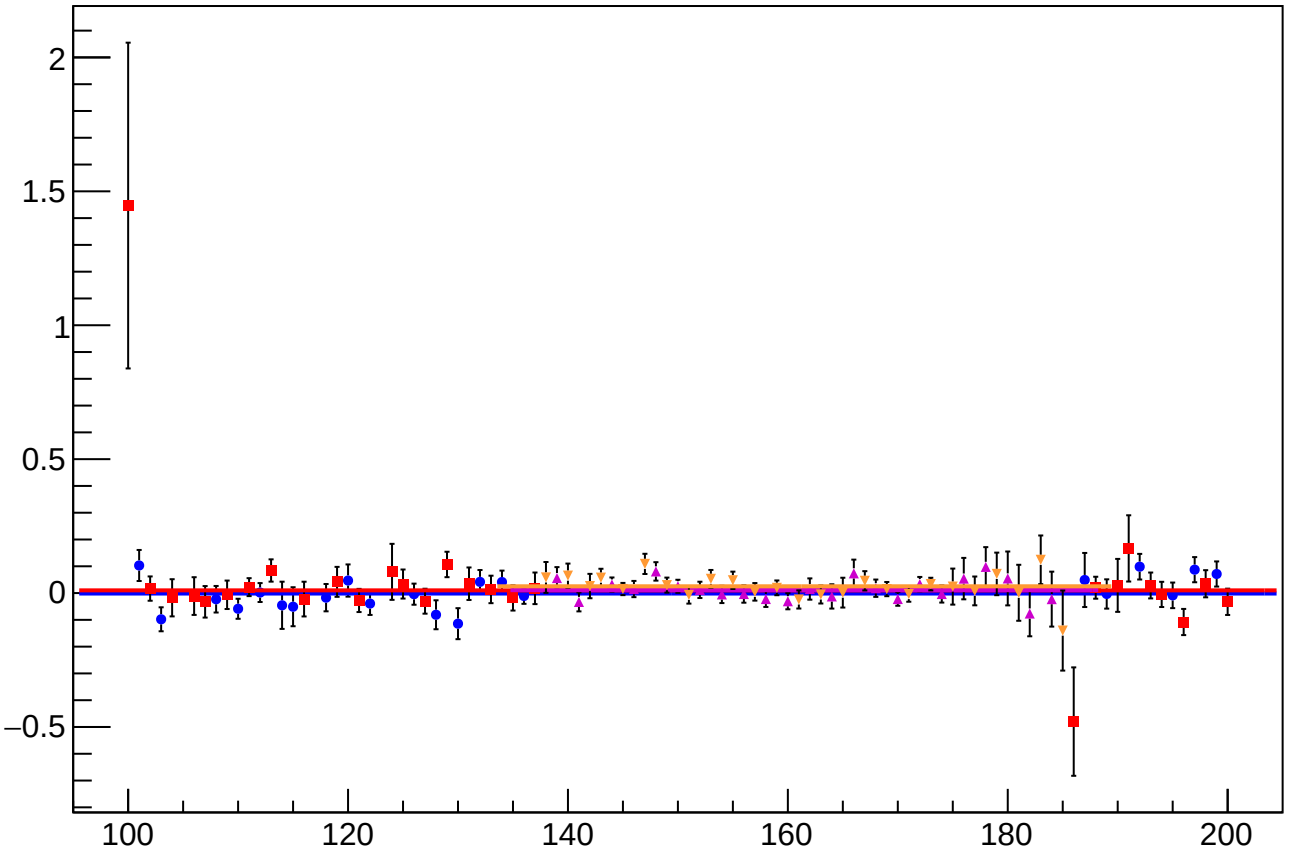
Right Out: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295534.2/46

All: 30.856+/-0.003 χ^2/NDF: 10425163.7/97

- sign 31.333+/-0.004 χ^2/NDF: 5104095.7/50



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

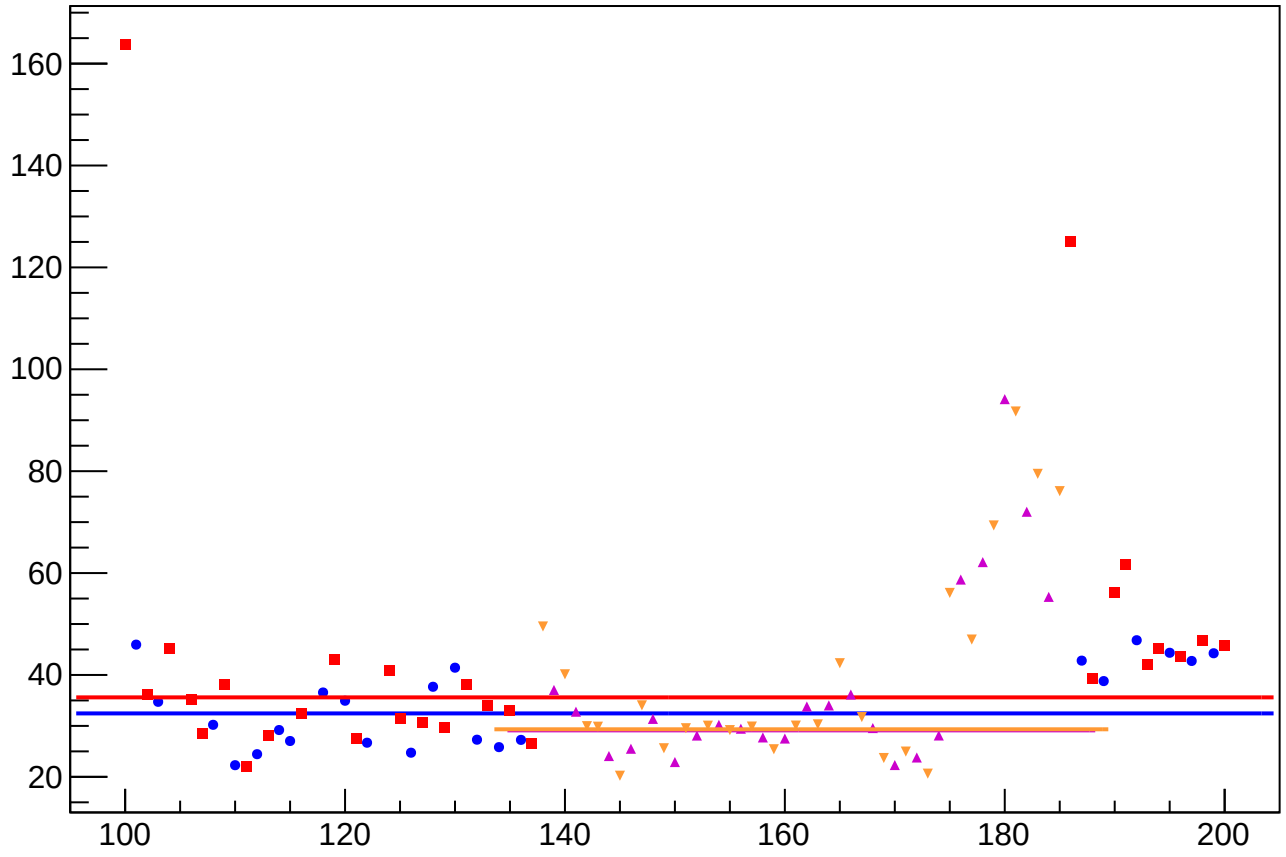
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.013+/-0.004 χ^2/NDF: 104.9/97

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

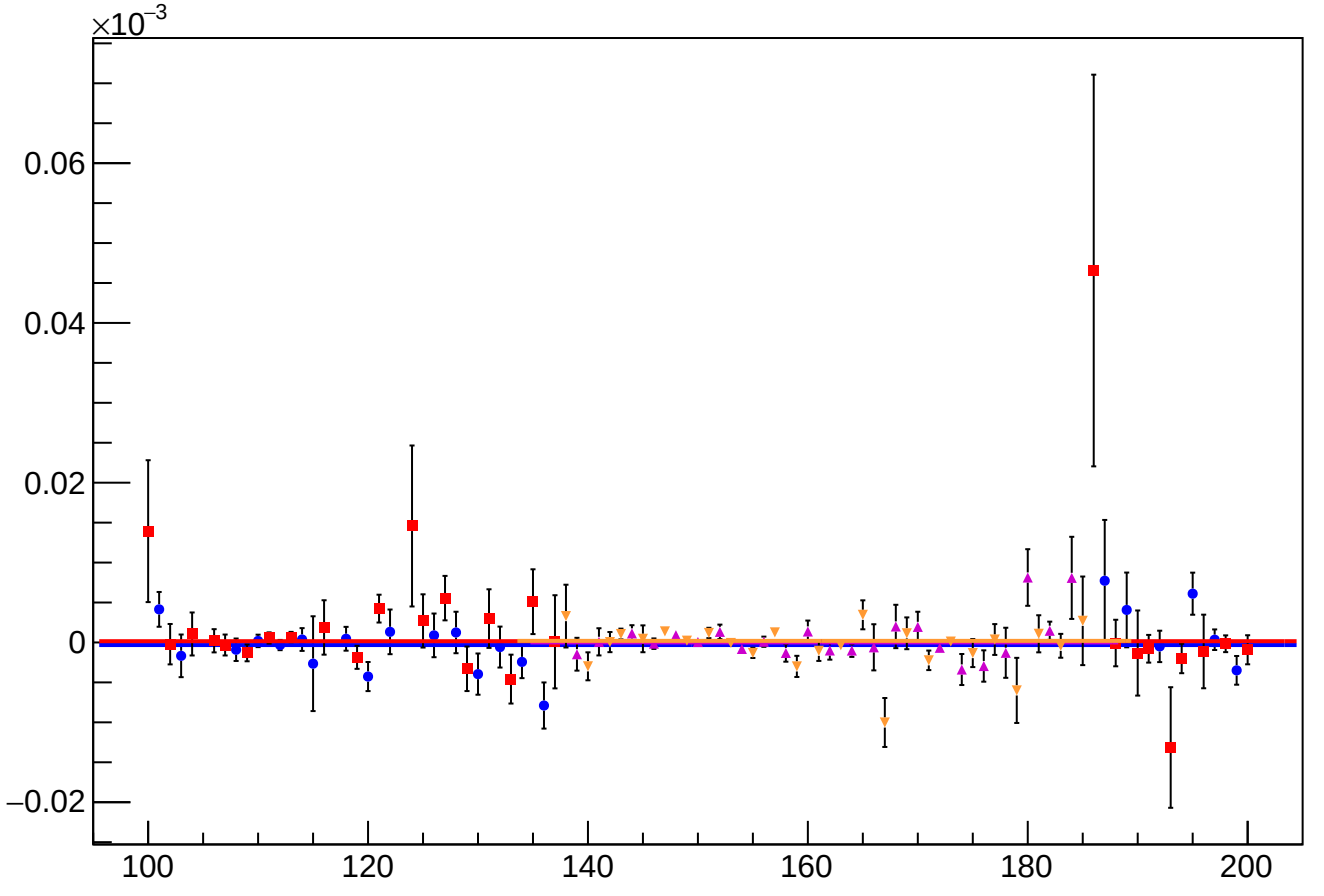
Right Out: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295534.2/46

All: 30.856+/-0.003 χ^2/NDF: 10425163.7/97

- sign 31.333+/-0.004 χ^2/NDF: 5104095.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/27

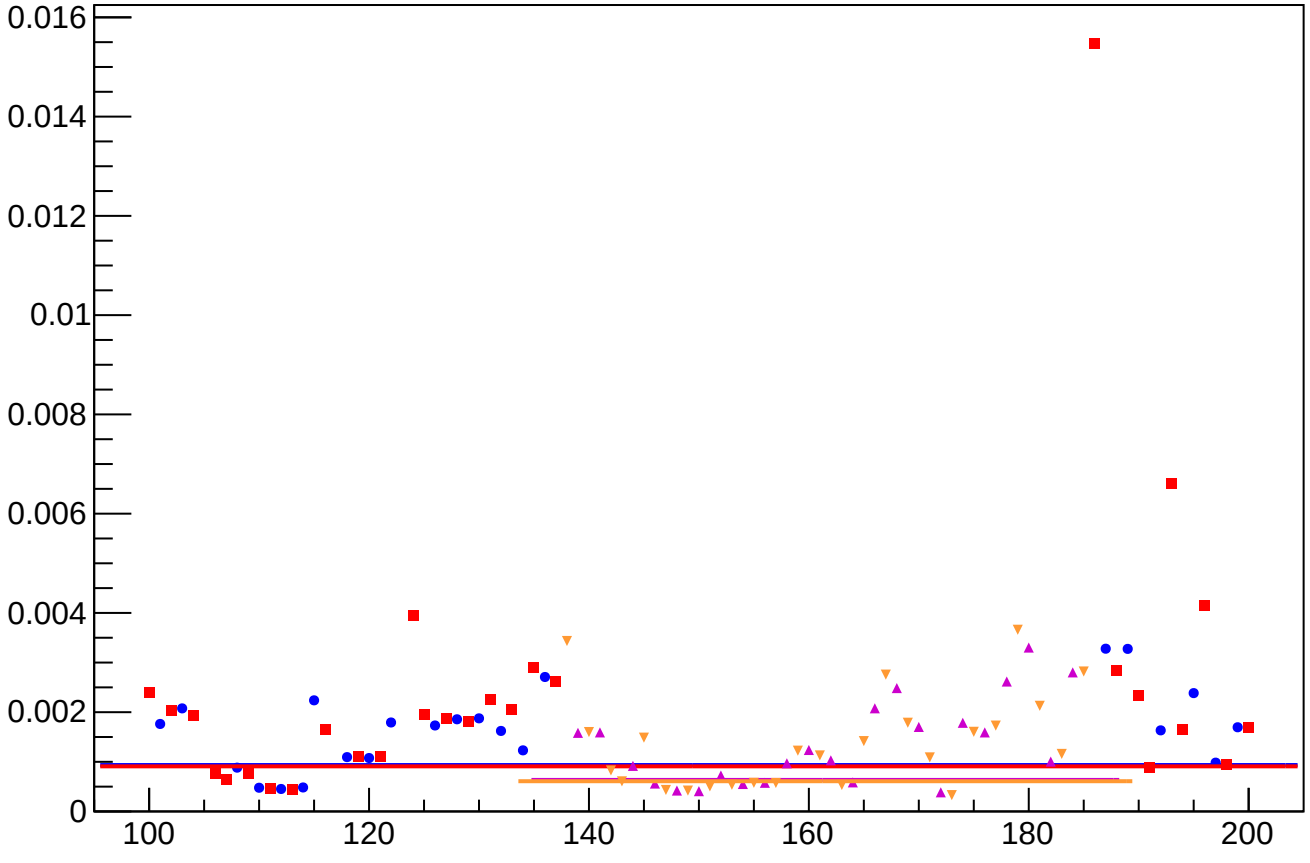
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.2/46

All: 0.000+/-0.000 χ^2/NDF: 155.0/97

- sign 0.000+/-0.000 χ^2/NDF: 67.8/50

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6536448.8/21

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

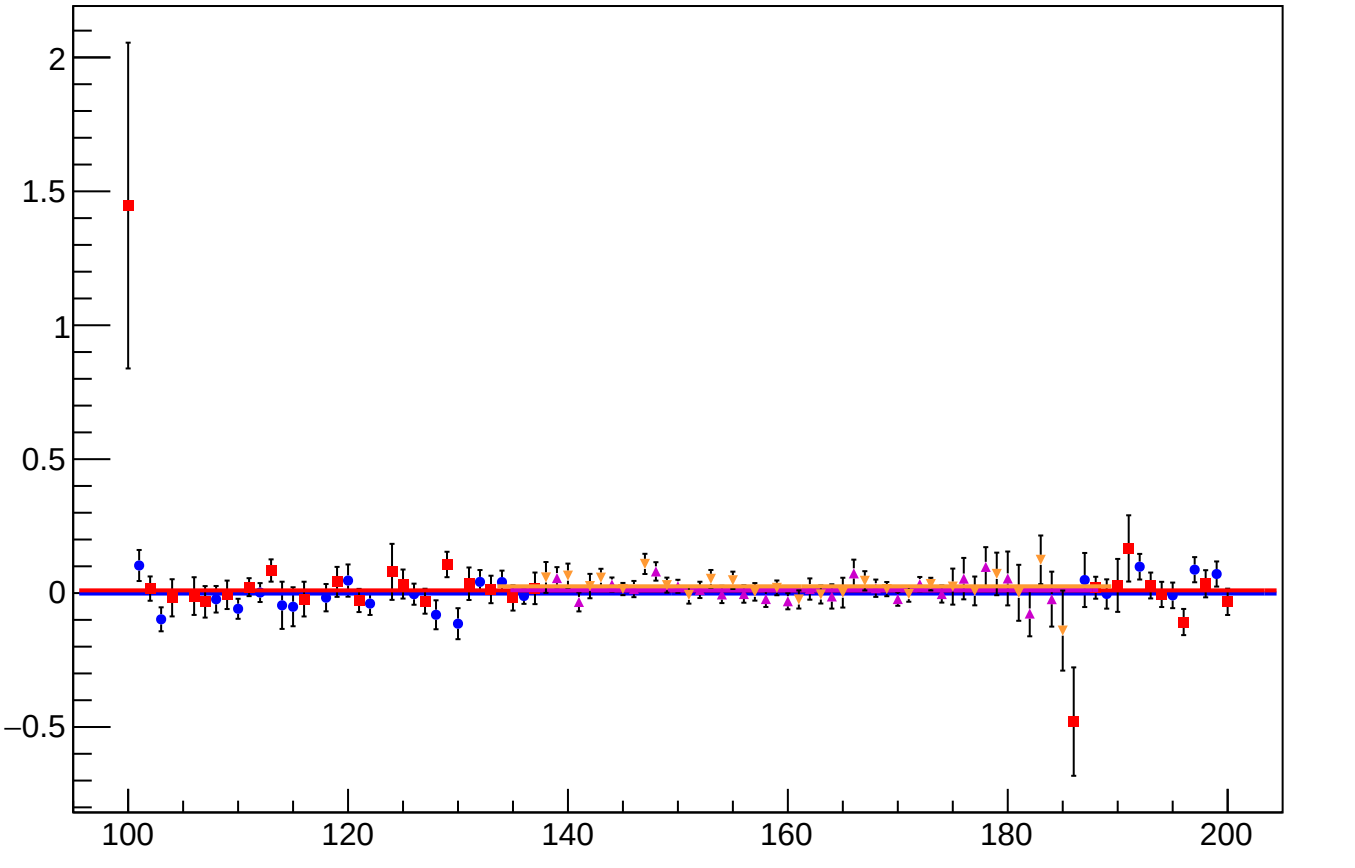
Right Out: 0.001+/-0.000 χ^2/NDF: 9473220.1/27

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 18974605.8/46

All: 0.001+/-0.000 χ^2/NDF: 39016112.2/97

- sign 0.001+/-0.000 χ^2/NDF: 20001330.4/50



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

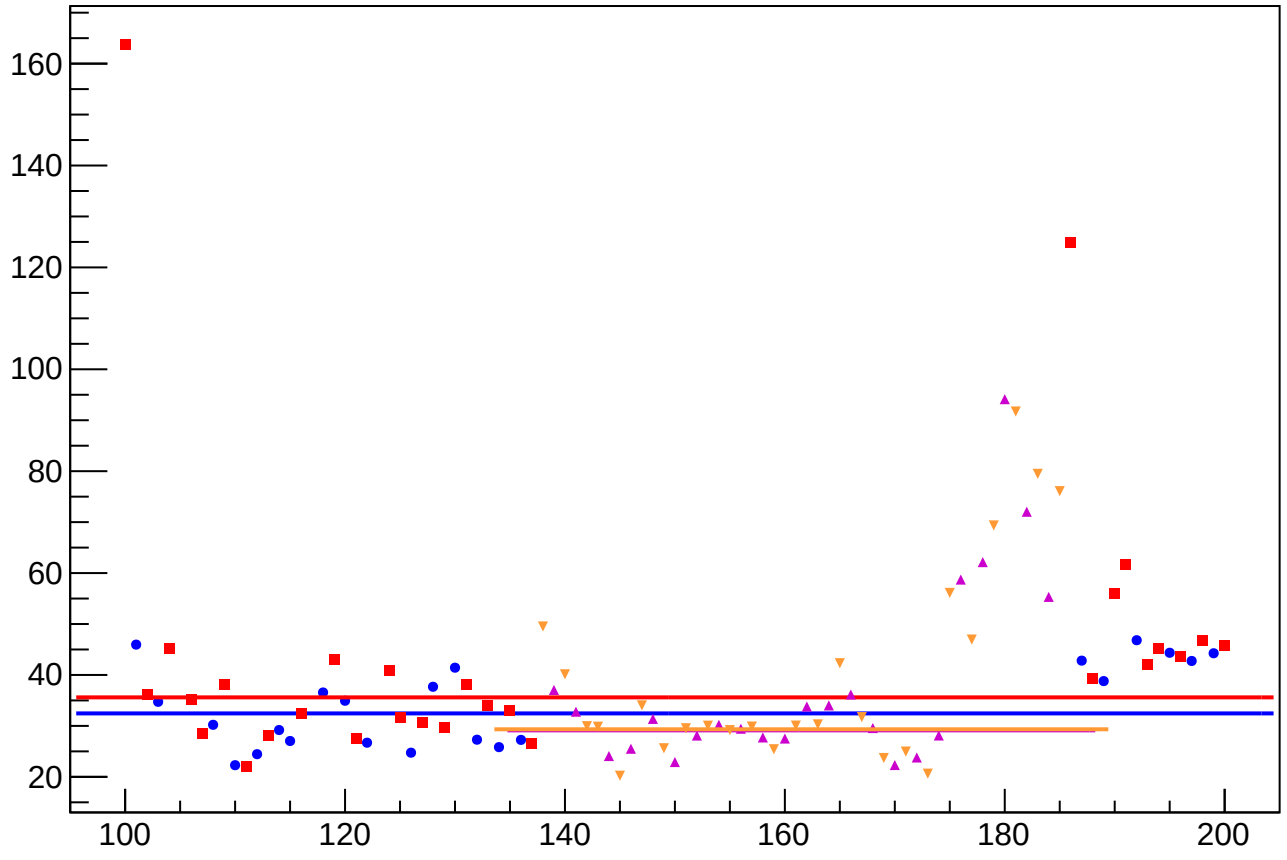
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.013+/-0.004 χ^2/NDF: 104.9/97

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

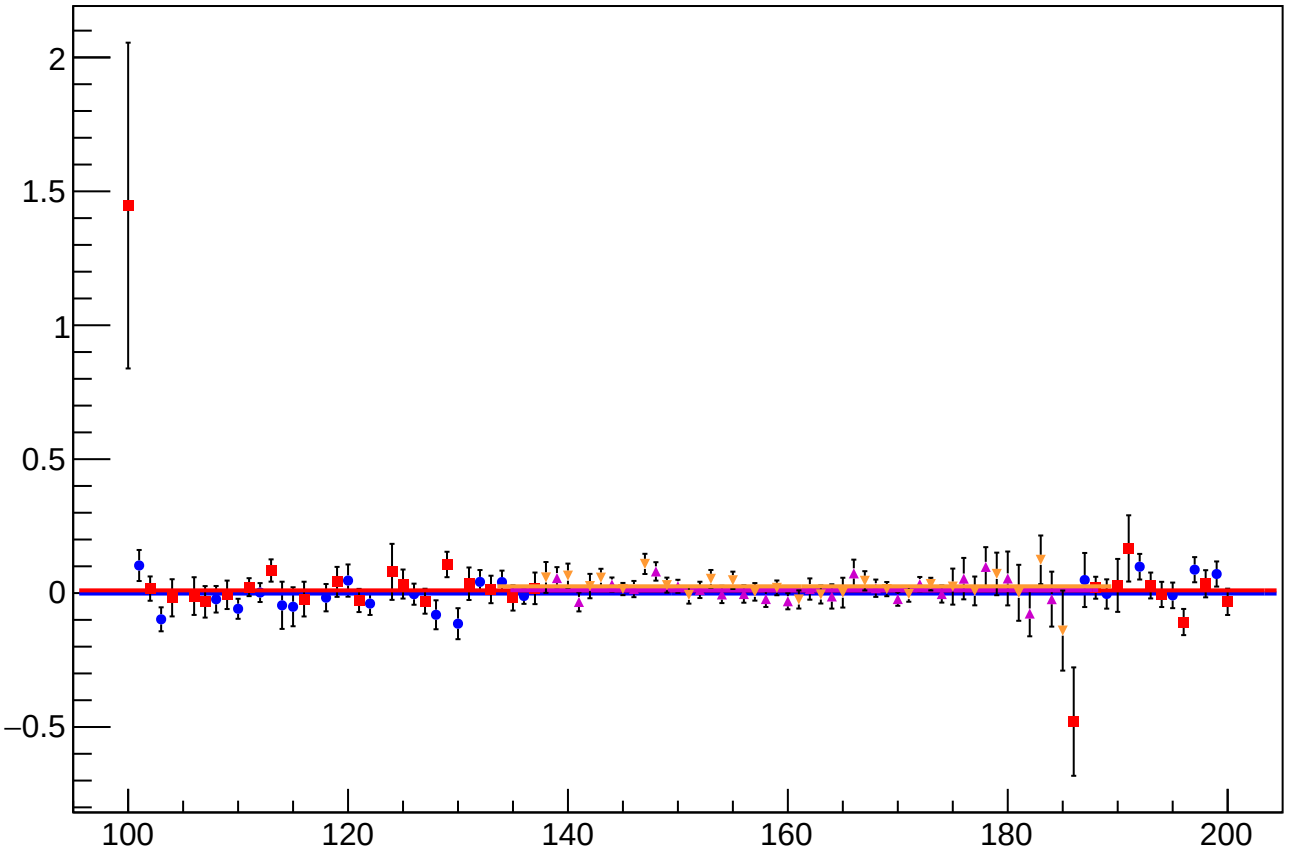
Right Out: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295569.6/46

All: 30.856+/-0.003 χ^2/NDF: 10425090.2/97

- sign 31.333+/-0.004 χ^2/NDF: 5103985.4/50



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

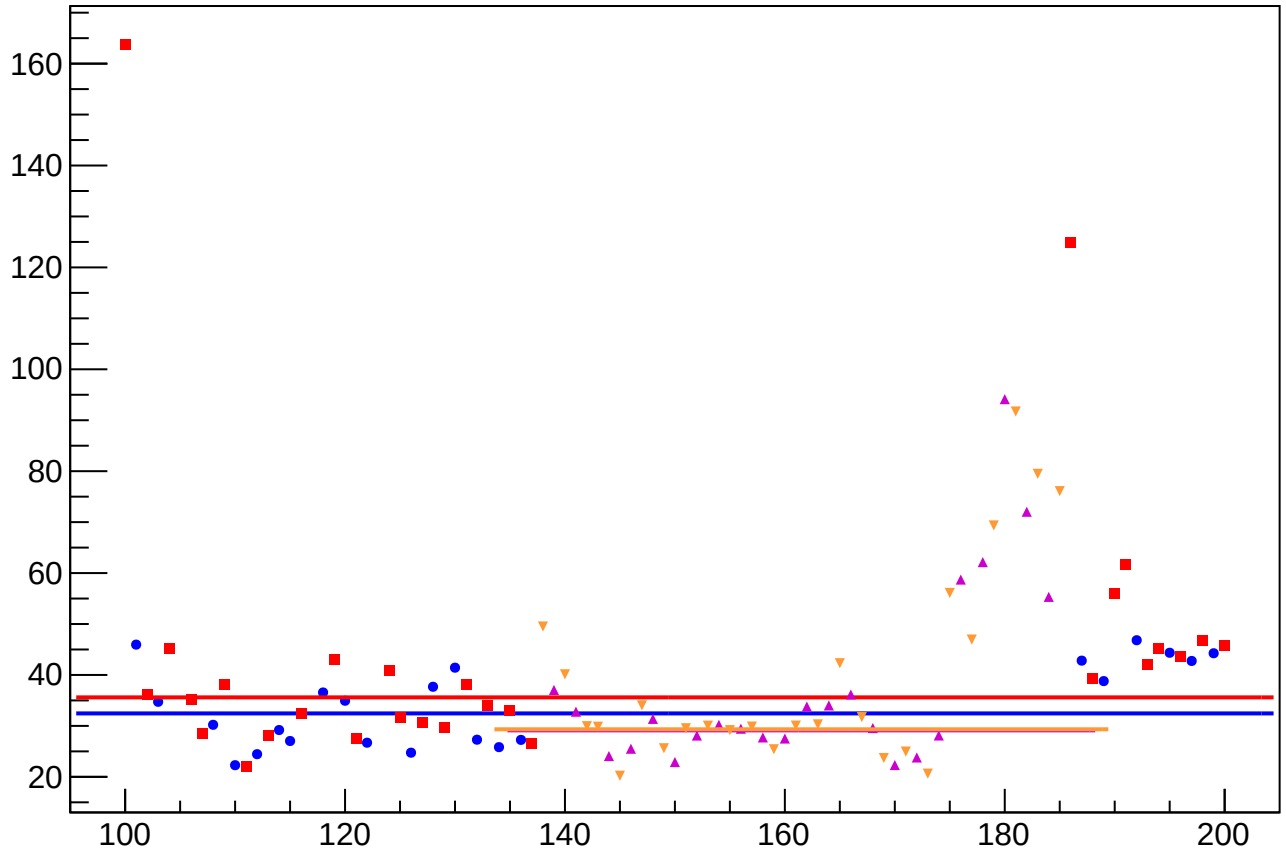
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.013+/-0.004 χ^2/NDF: 104.9/97

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

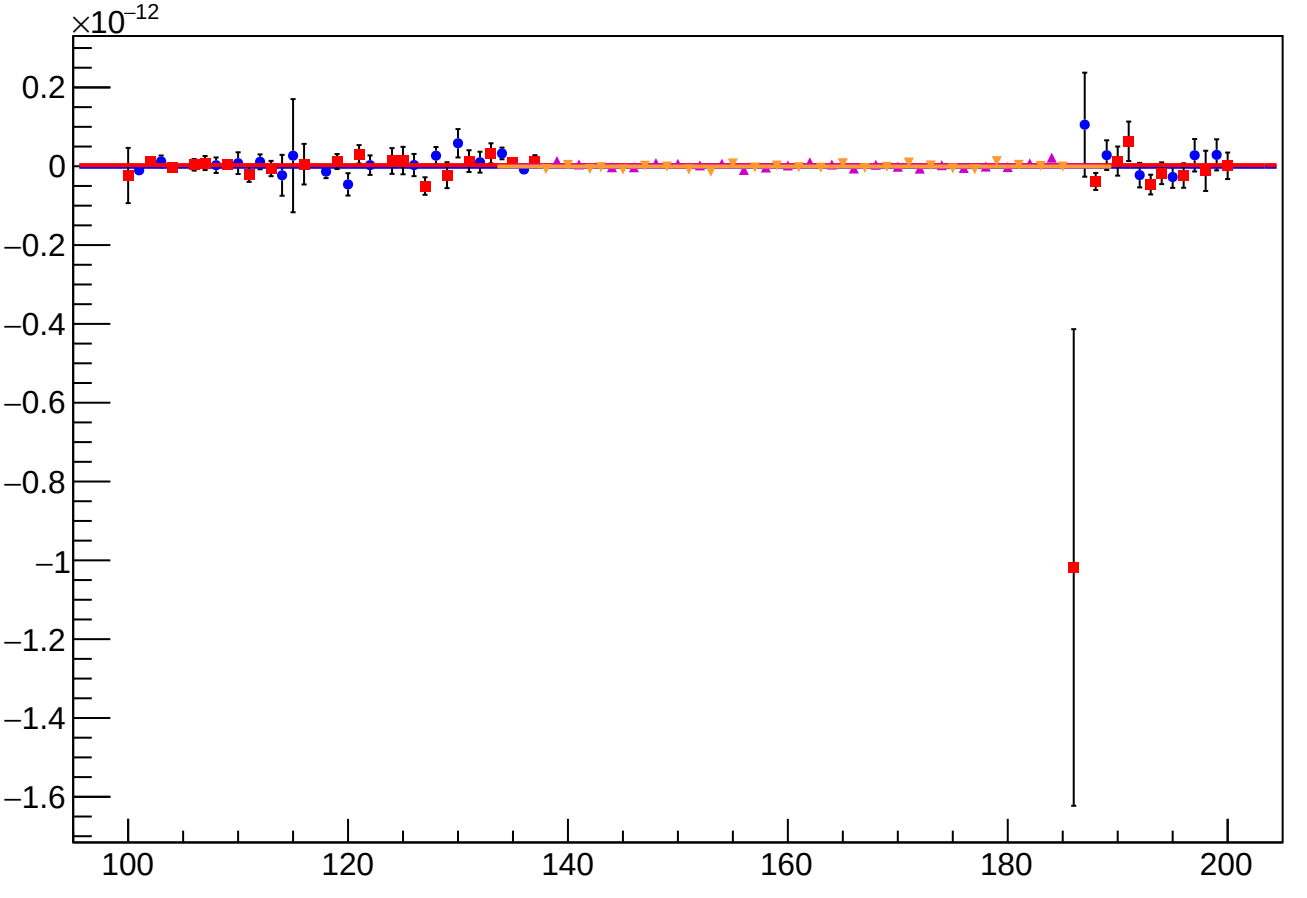
Right Out: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295569.6/46

All: 30.856+/-0.003 χ^2/NDF: 10425090.2/97

- sign 31.333+/-0.004 χ^2/NDF: 5103985.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

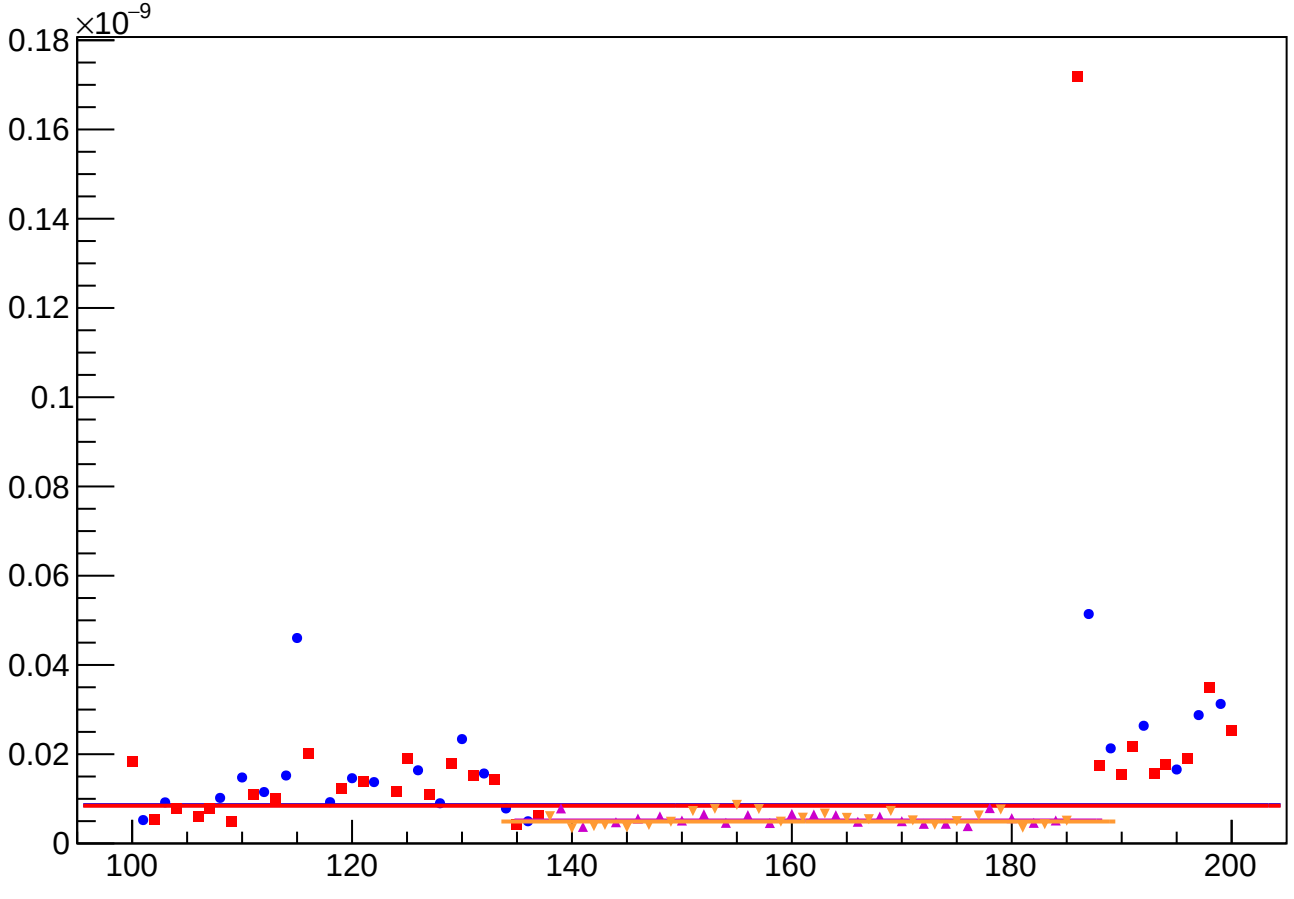
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/27

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/46

All: 0.000+/-0.000 χ^2/NDF: 81.4/97

- sign 0.000+/-0.000 χ^2/NDF: 43.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4550763.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4574558.8/27

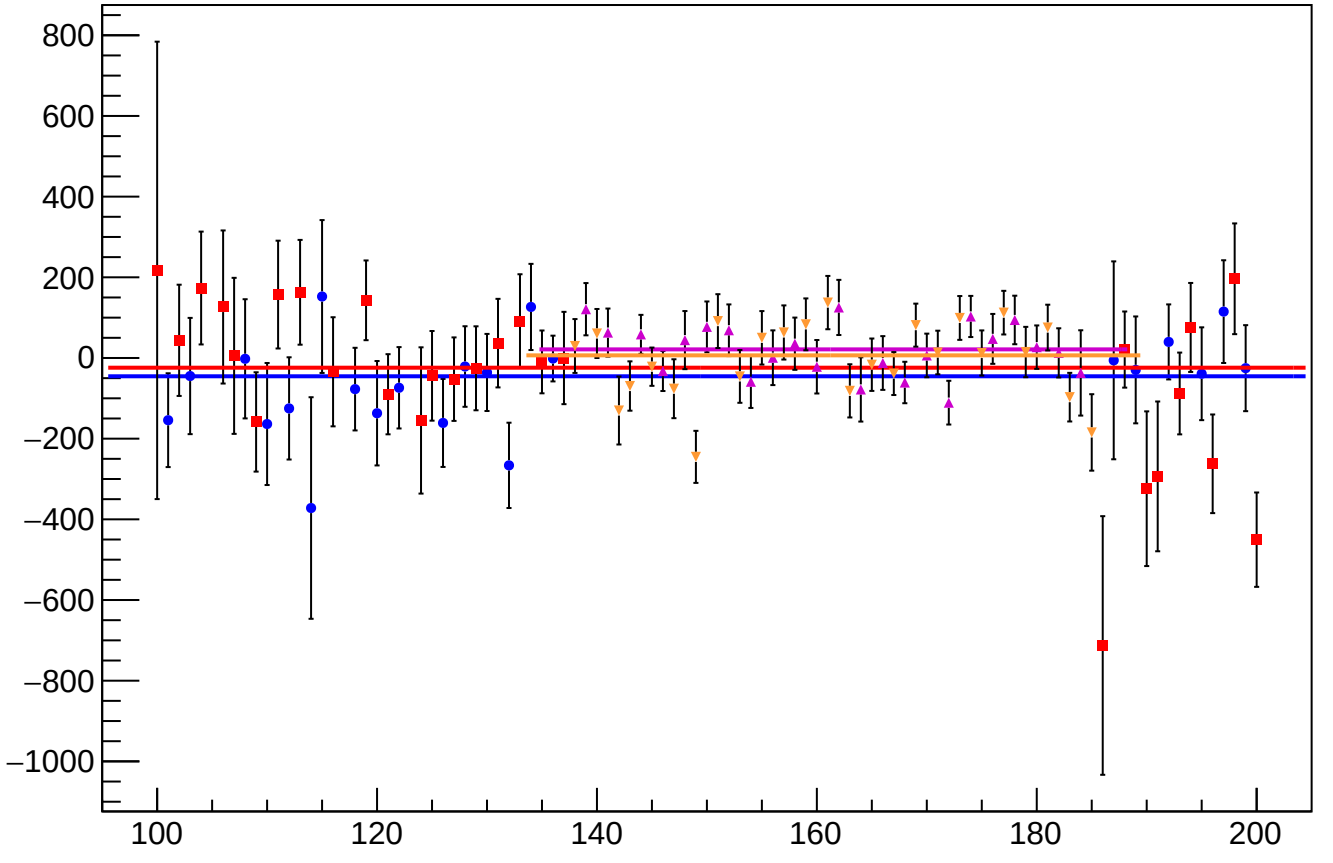
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8141085.1/46

All: 0.000+/-0.000 χ^2/NDF: 15285793.4/97

- sign 0.000+/-0.000 χ^2/NDF: 7101427.7/50

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -45.362+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -24.081+/-23.265 χ^2/NDF: 43.8/27

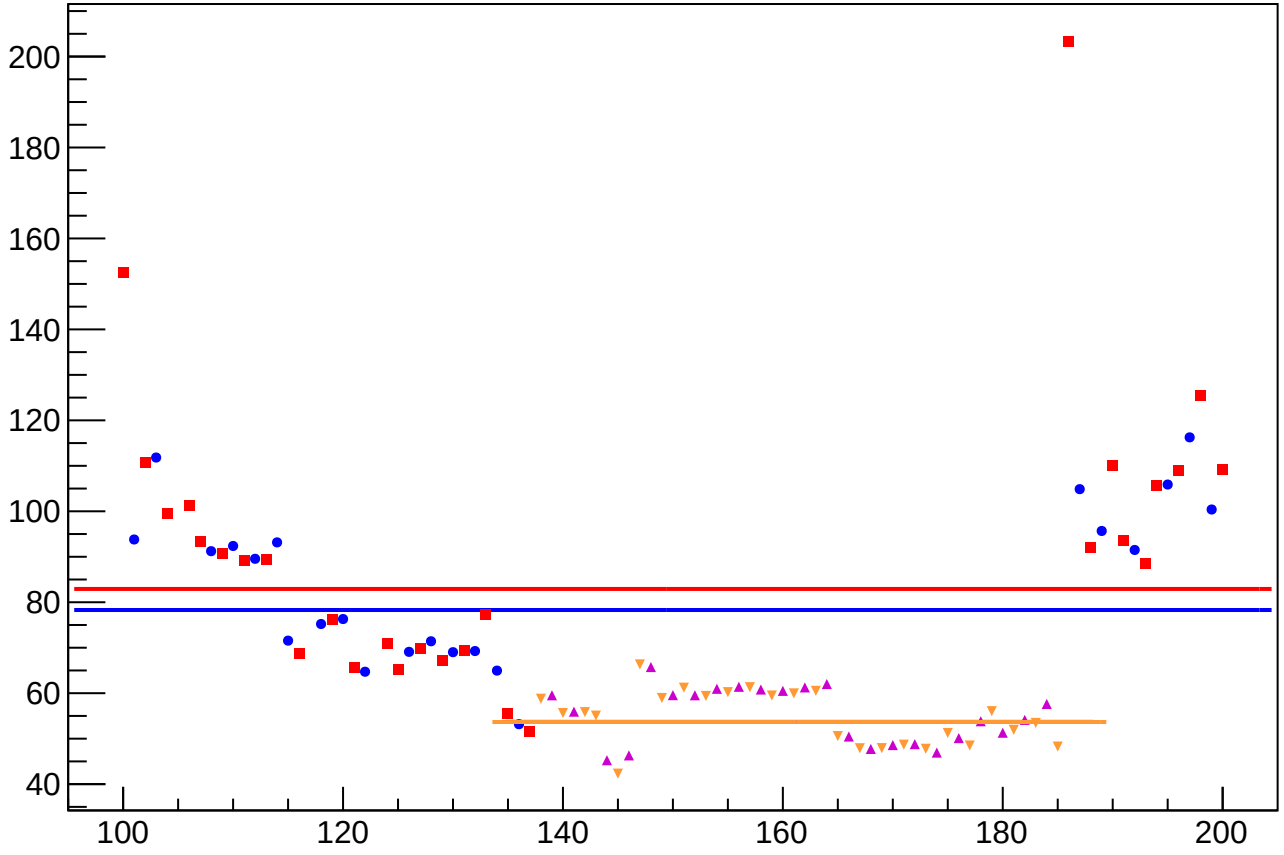
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.393+/-10.918 χ^2/NDF: 70.7/46

All: 3.155+/-7.788 χ^2/NDF: 143.8/97

- sign 10.973+/-11.113 χ^2/NDF: 72.1/50

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196912.7/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

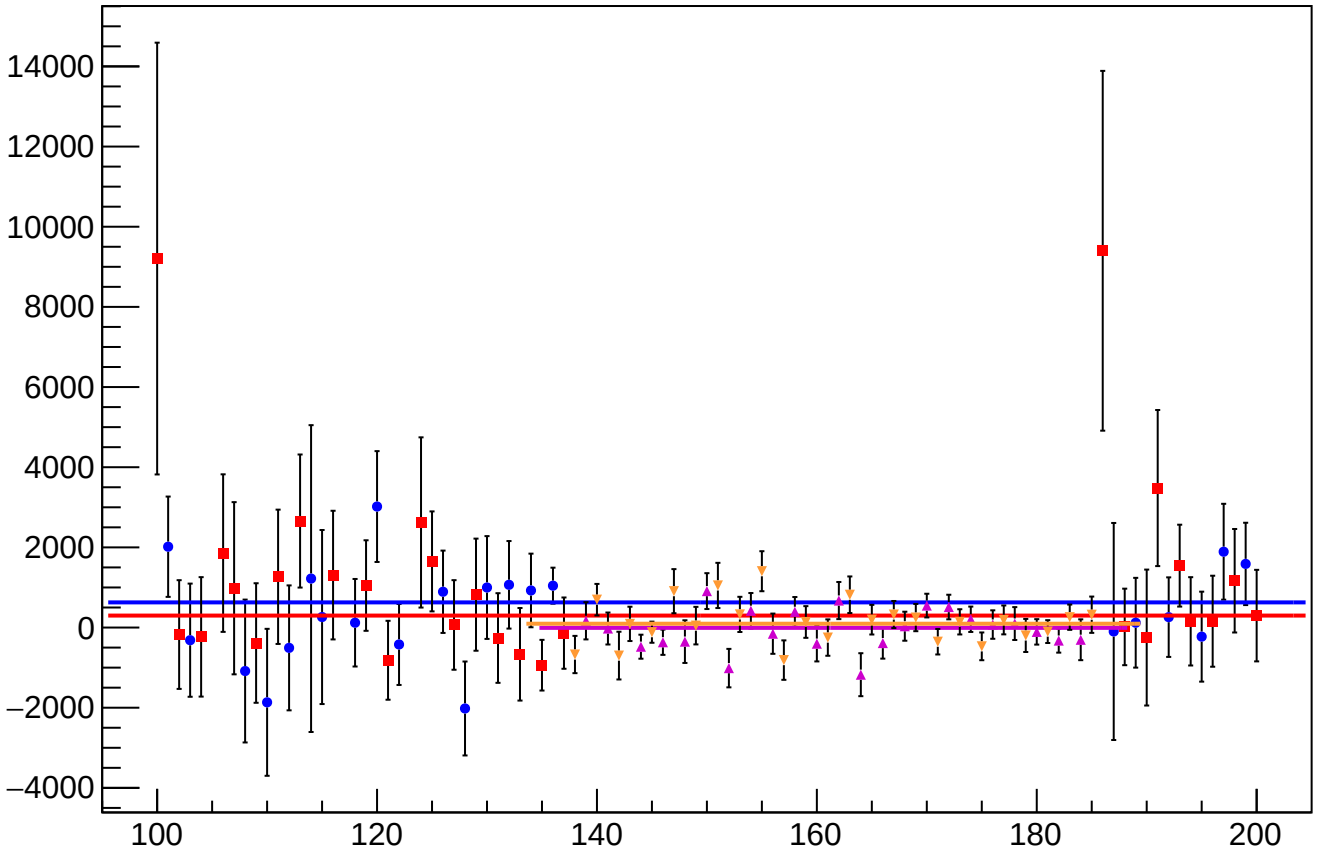
Right Out: 82.926+/-0.016 χ^2/NDF: 1668403.7/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359455.8/46

All: 59.592+/-0.006 χ^2/NDF: 7955067.1/97

- sign 60.364+/-0.008 χ^2/NDF: 4576642.1/50



Right In: 627.538+/-232.879 χ^2/NDF: 18.7/21

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 298.669+/-235.342 χ^2/NDF: 24.9/27

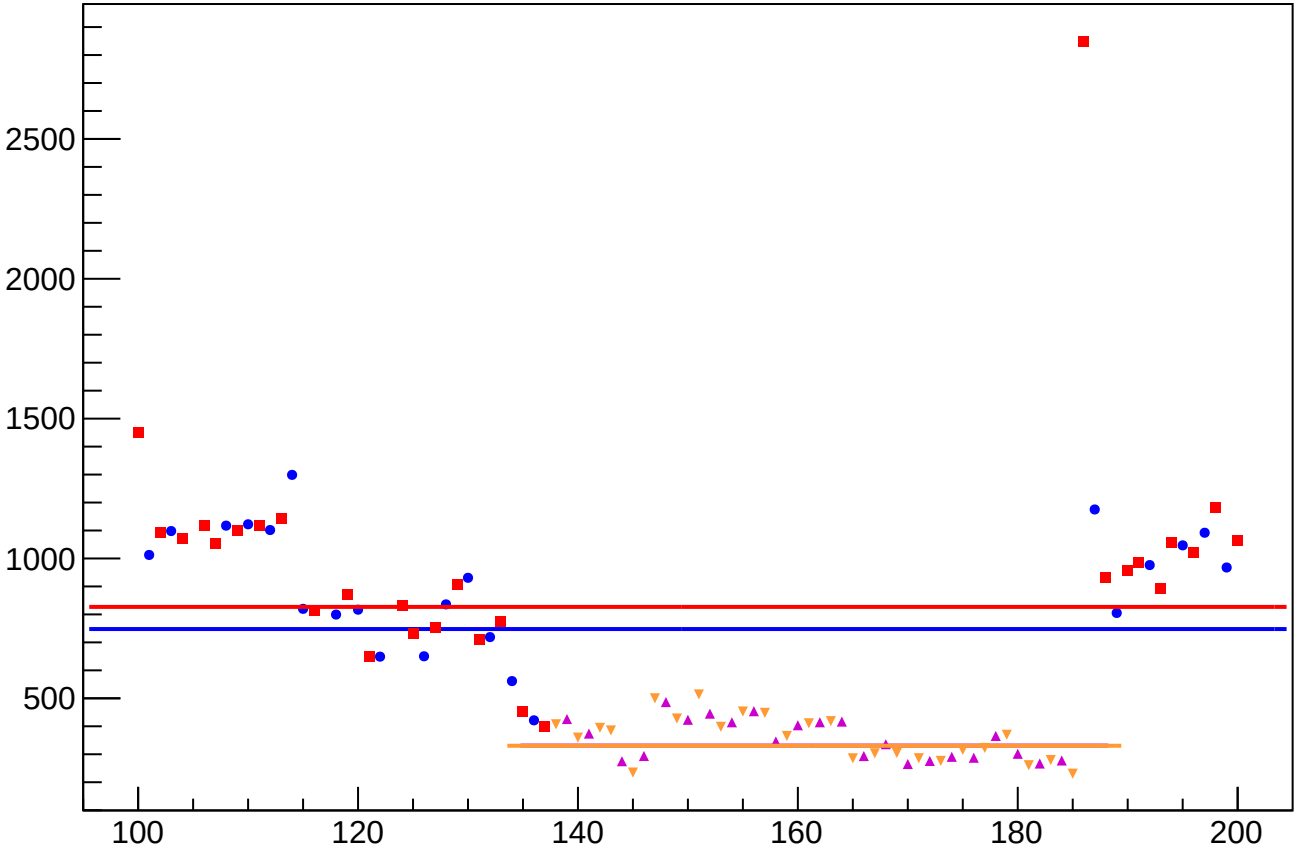
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 148.058+/-73.222 χ^2/NDF: 56.6/46

All: 87.153+/-52.393 χ^2/NDF: 116.7/97

- sign 23.254+/-75.000 χ^2/NDF: 58.8/50

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 747.686+/-0.165 χ^2/NDF: 2327947.4/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 826.887+/-0.166 χ^2/NDF: 2562920.5/27

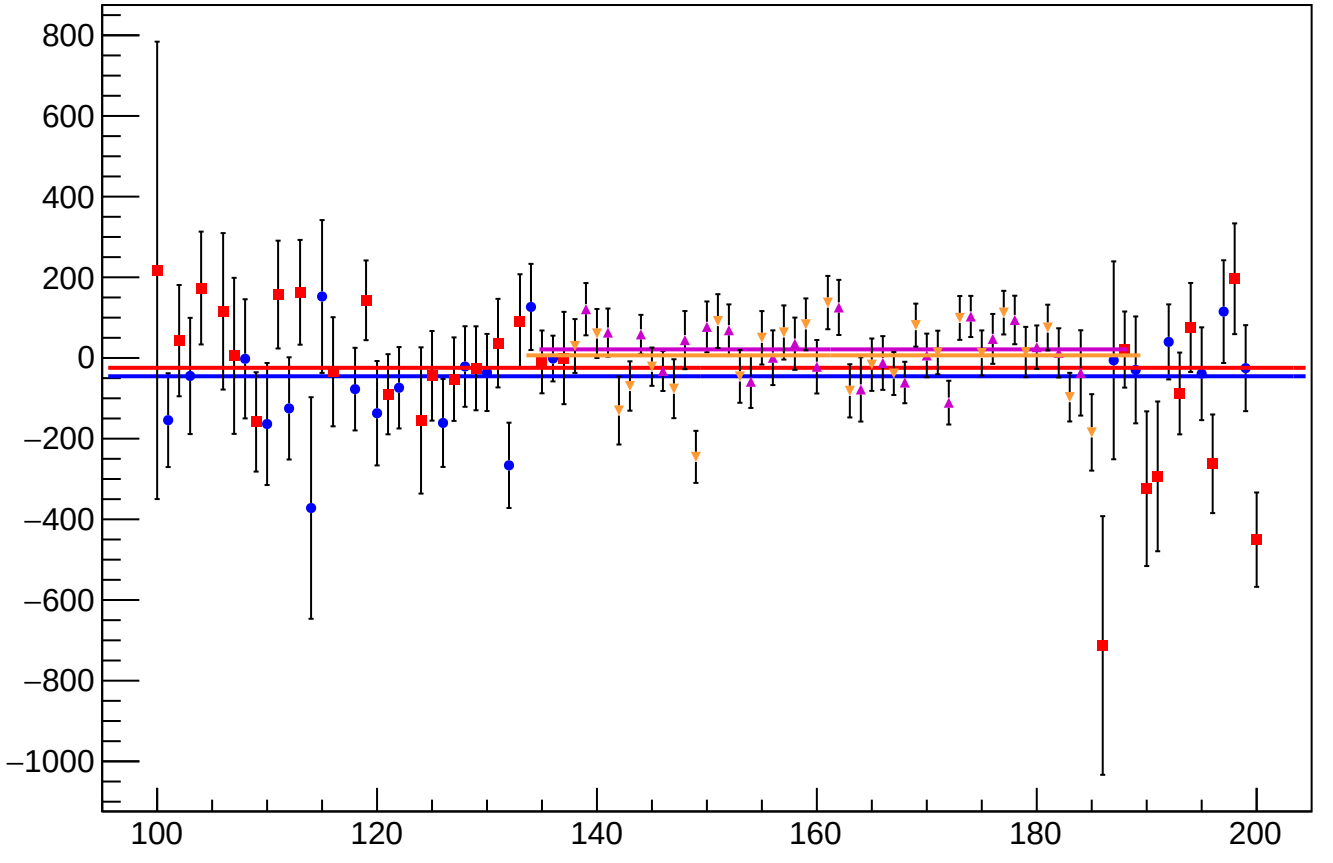
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866943.2/46

All: 376.419+/-0.037 χ^2/NDF: 21748768.8/97

- sign 381.415+/-0.053 χ^2/NDF: 11864495.9/50

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -24.358+/-23.273 χ^2/NDF: 43.6/27

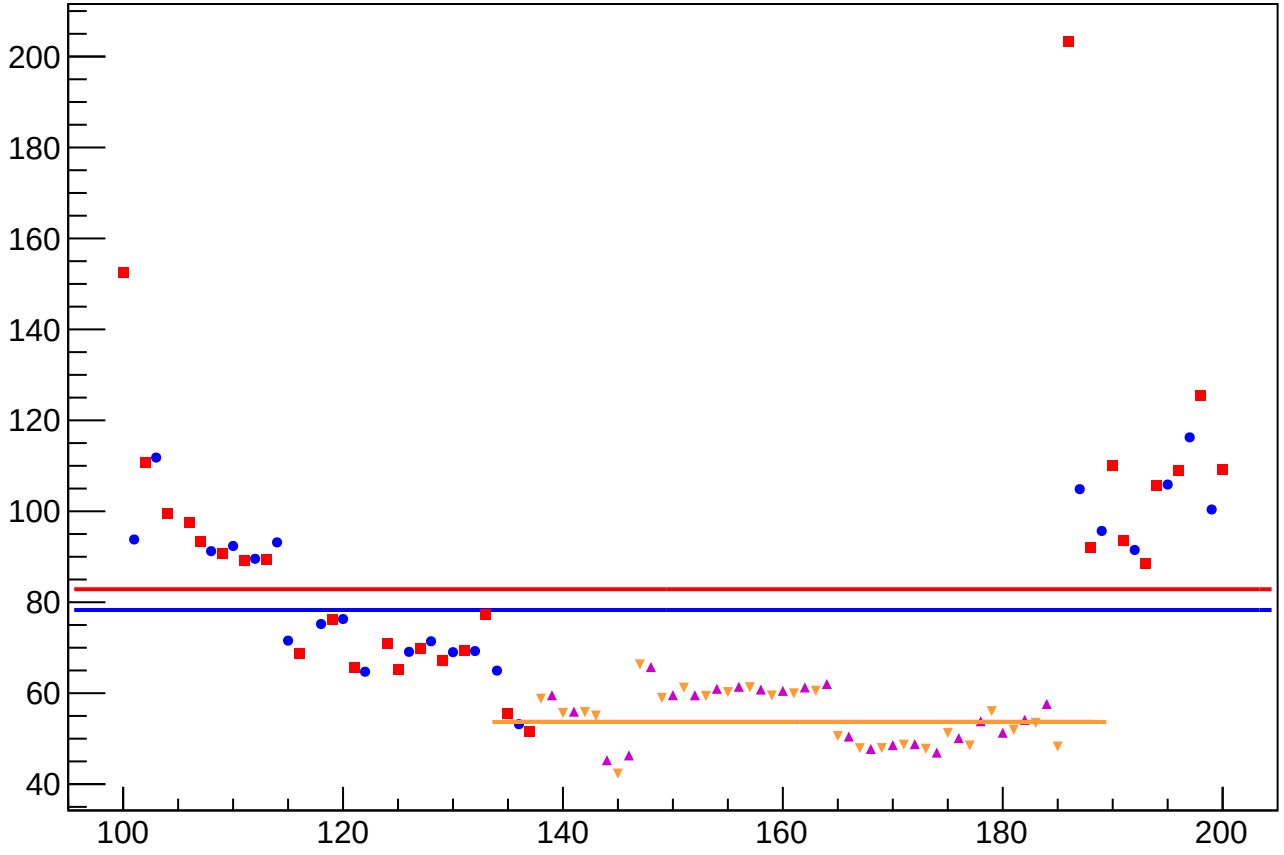
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.389+/-10.918 χ^2/NDF: 70.7/46

All: 3.127+/-7.789 χ^2/NDF: 143.7/97

- sign 10.915+/-11.114 χ^2/NDF: 72.0/50

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

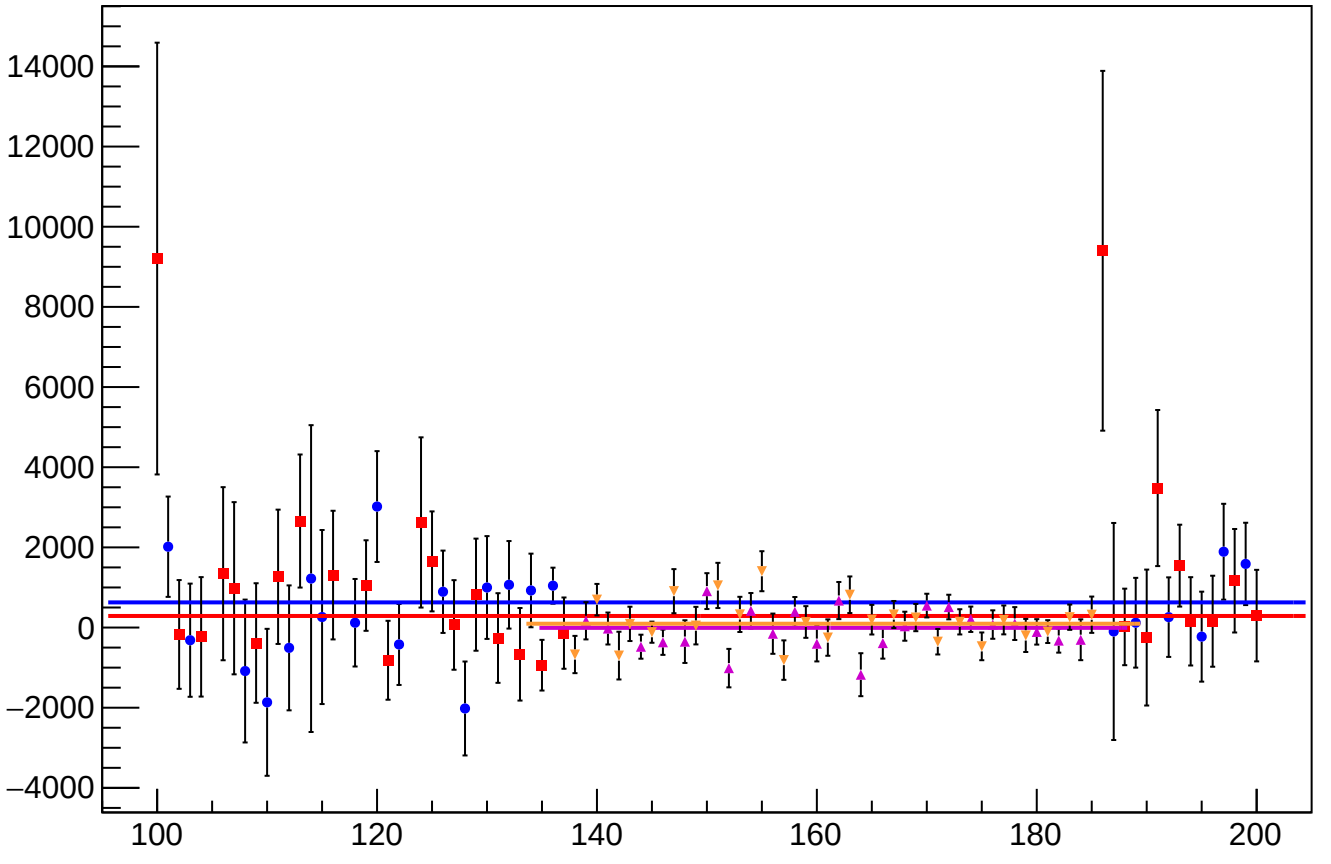
Right Out: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359458.4/46

All: 59.583+/-0.006 χ^2/NDF: 7935704.9/97

- sign 60.346+/-0.008 χ^2/NDF: 4557727.3/50



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

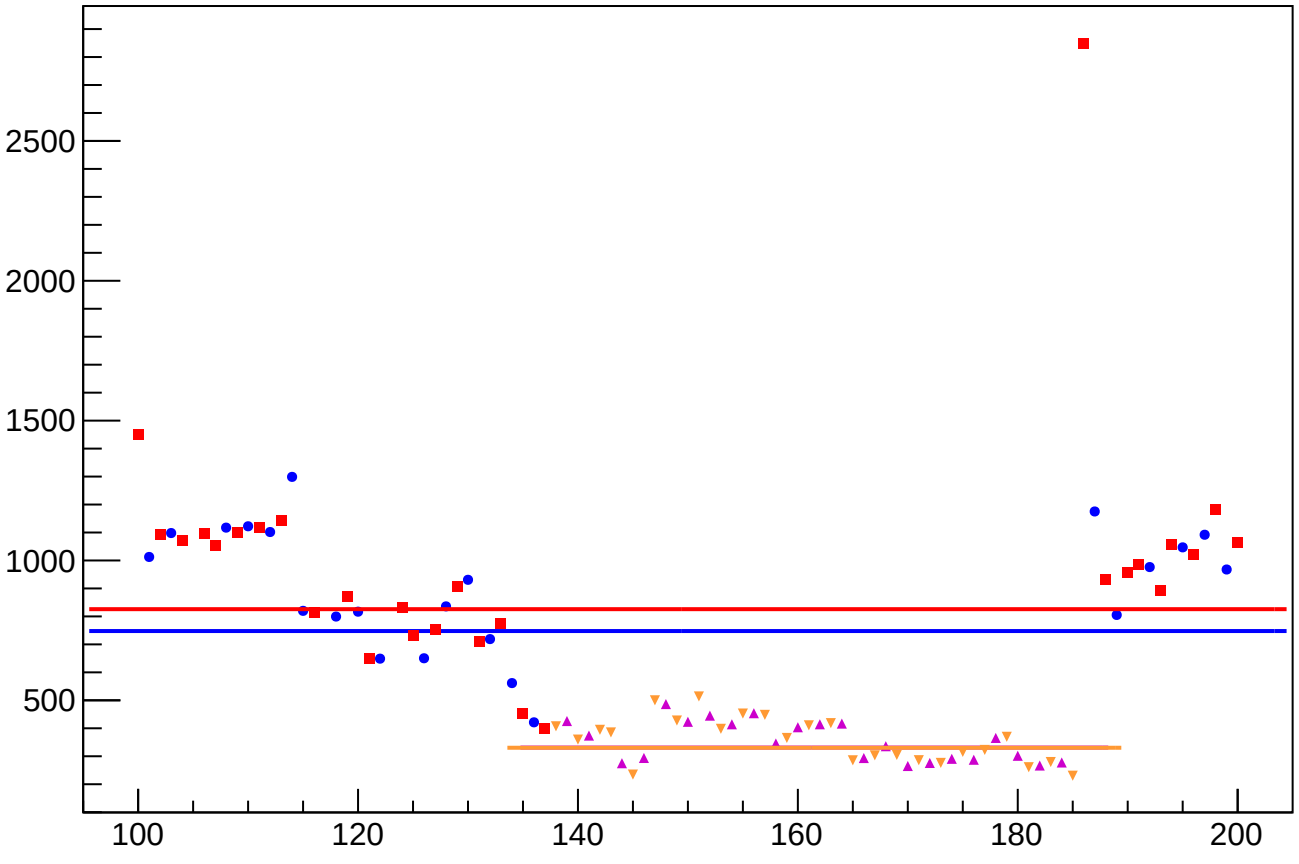
Right Out: 288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 148.060+/-73.222 χ^2/NDF: 56.6/46

All: 86.641+/-52.396 χ^2/NDF: 116.3/97

- sign 22.189+/-75.009 χ^2/NDF: 58.3/50



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

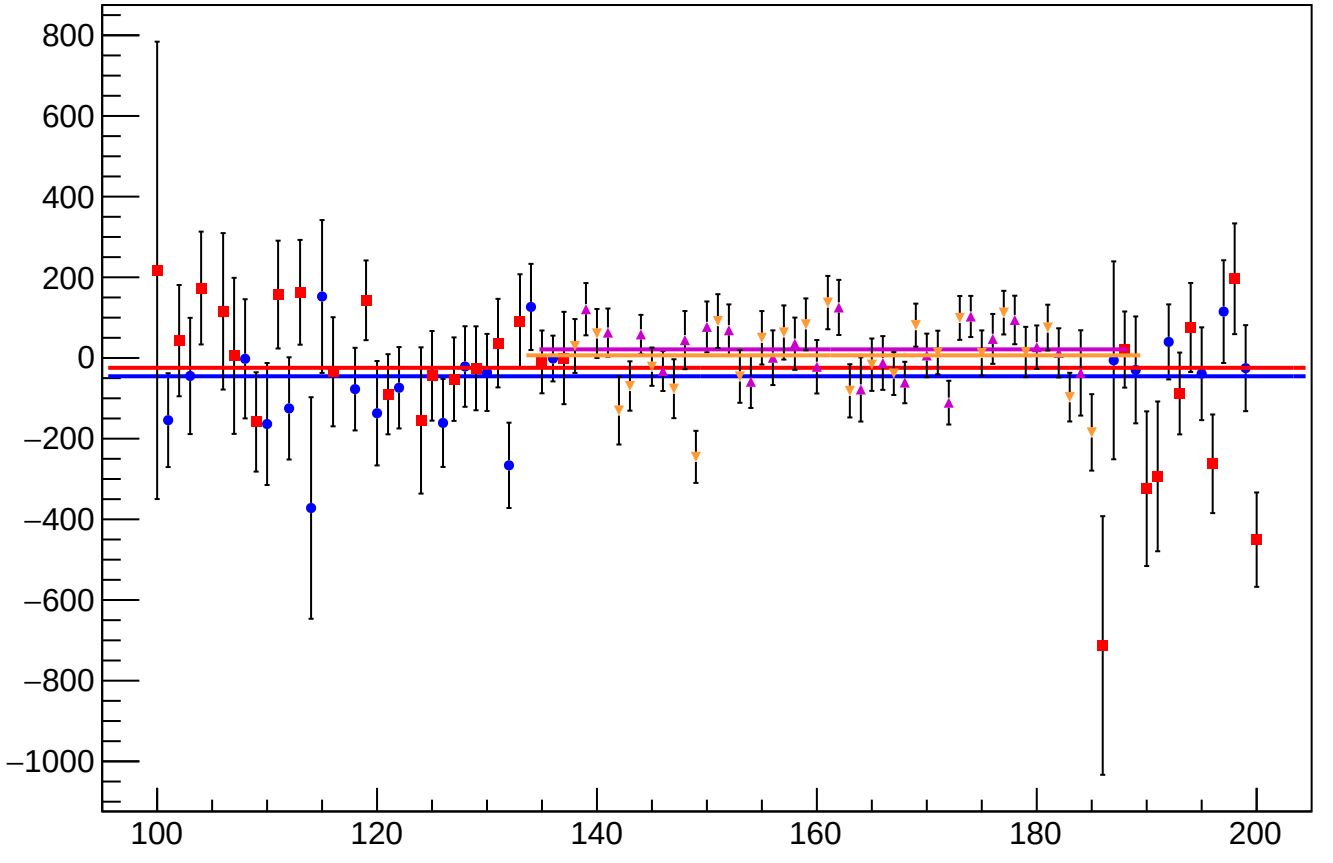
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866962.0/46

All: 376.315+/-0.037 χ^2/NDF: 21686079.4/97

- sign 381.203+/-0.053 χ^2/NDF: 11802535.0/50

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -24.358+/-23.273 χ^2/NDF: 43.6/27

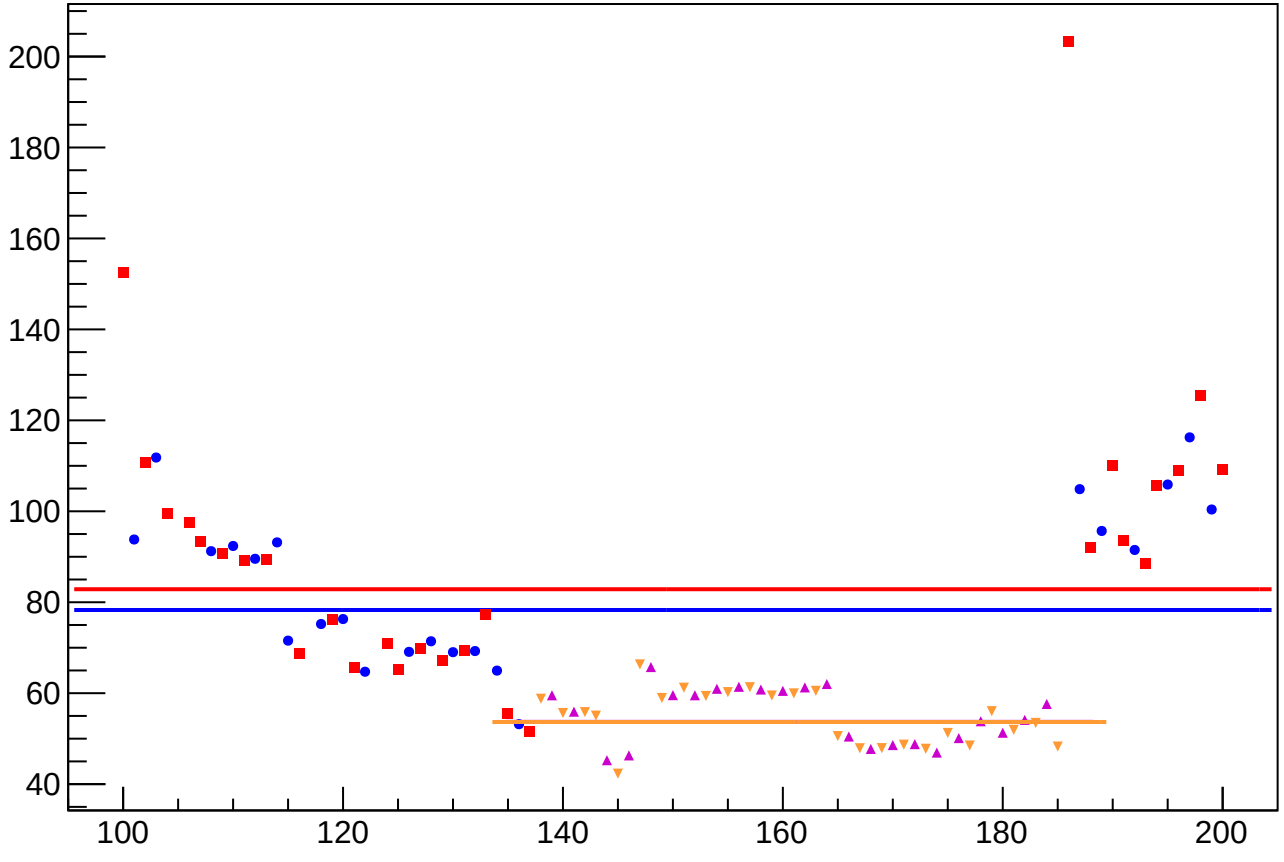
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.389+/-10.918 χ^2/NDF: 70.7/46

All: 3.127+/-7.789 χ^2/NDF: 143.7/97

- sign 10.915+/-11.114 χ^2/NDF: 72.0/50

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

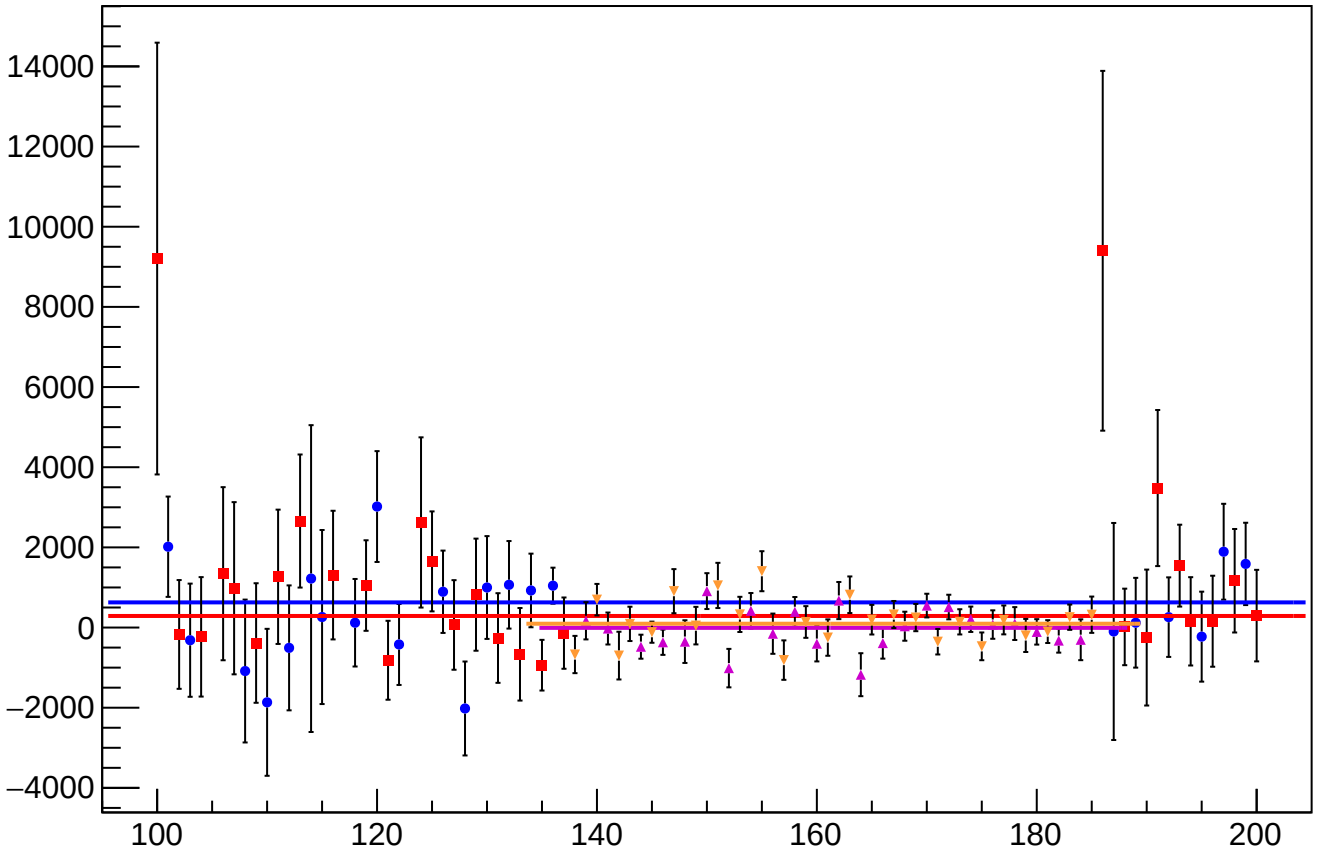
Right Out: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359458.4/46

All: 59.583+/-0.006 χ^2/NDF: 7935704.9/97

- sign 60.346+/-0.008 χ^2/NDF: 4557727.3/50



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

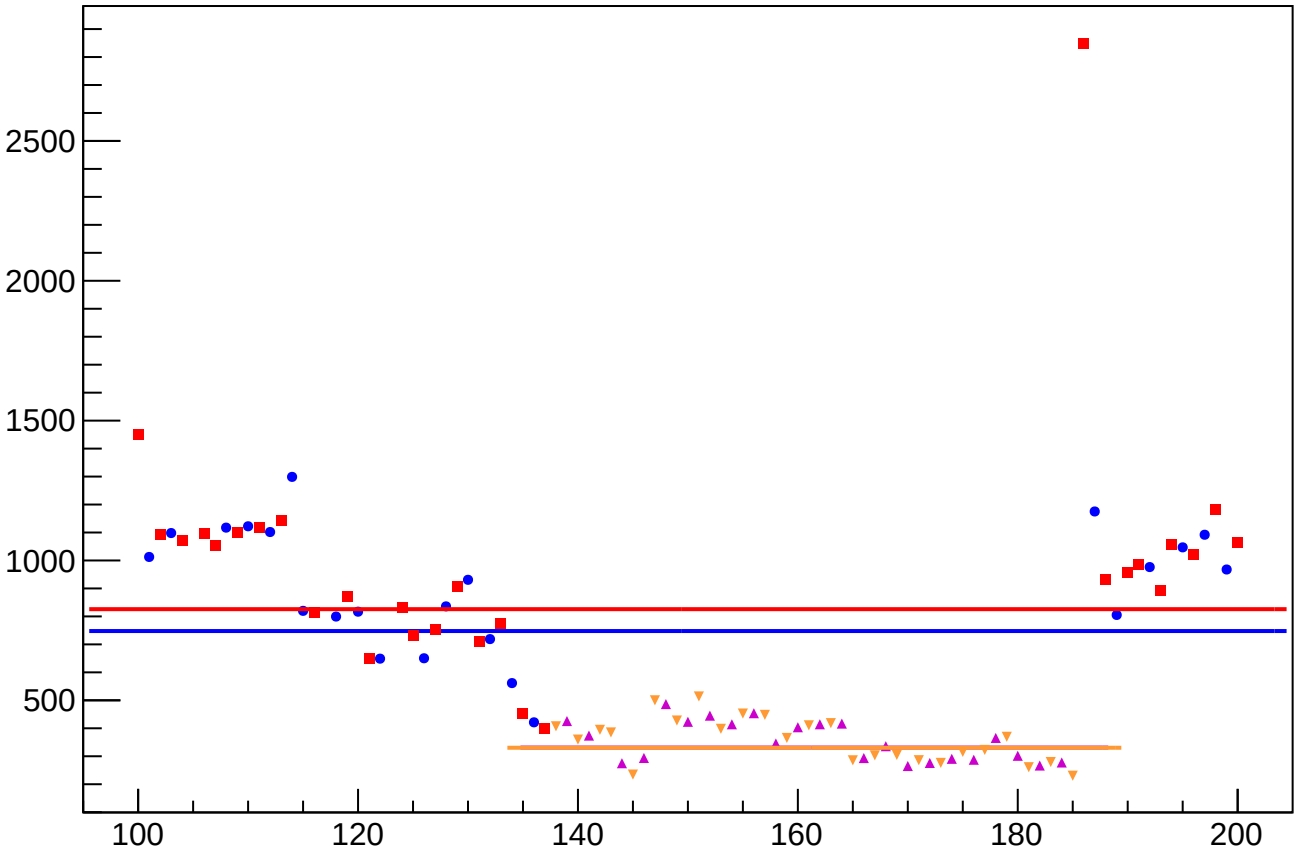
Right Out: 288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 148.060+/-73.222 χ^2/NDF: 56.6/46

All: 86.641+/-52.396 χ^2/NDF: 116.3/97

- sign 22.189+/-75.009 χ^2/NDF: 58.3/50



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

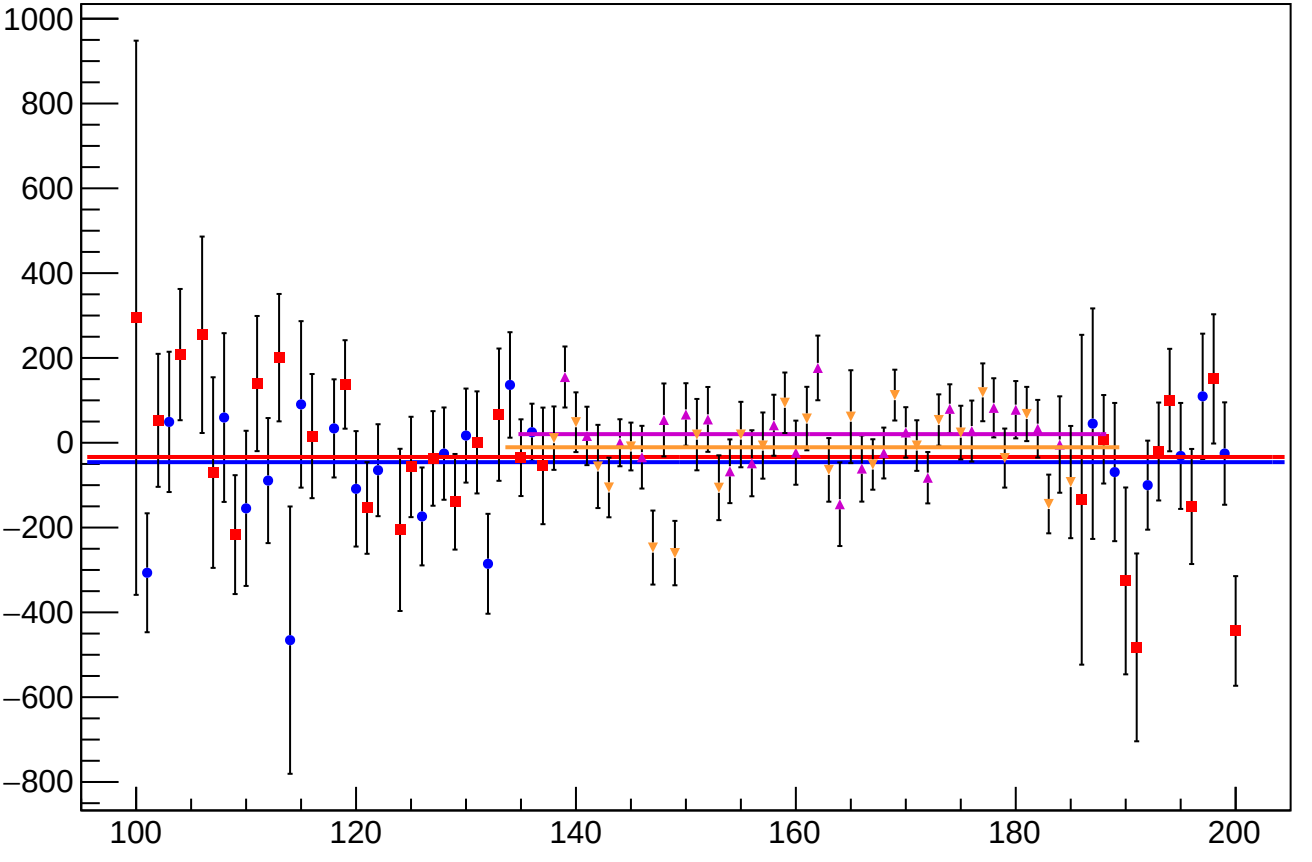
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866962.0/46

All: 376.315+/-0.037 χ^2/NDF: 21686079.4/97

- sign 381.203+/-0.053 χ^2/NDF: 11802535.0/50

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -33.569+/-26.125 χ^2/NDF: 35.8/27

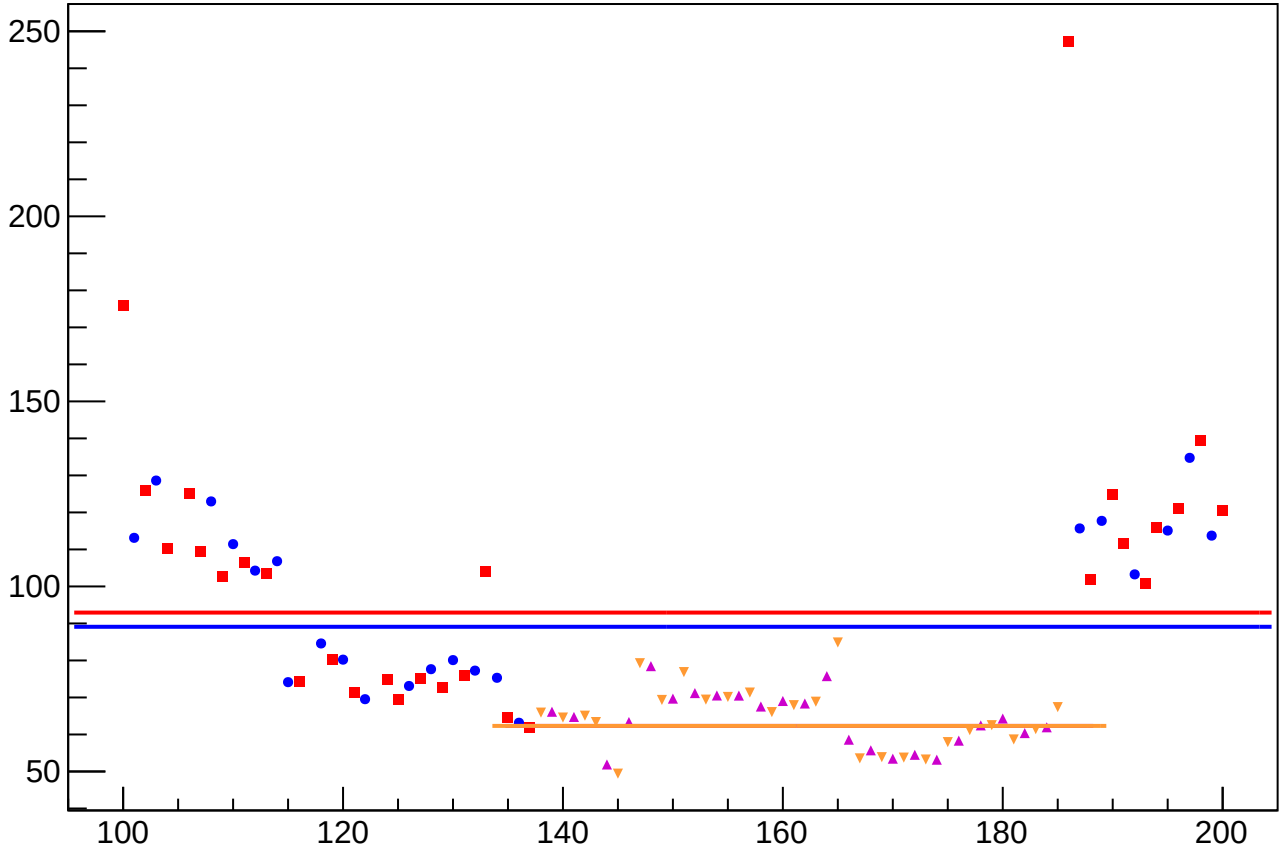
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.257+/-12.660 χ^2/NDF: 61.5/46

All: -5.672+/-9.016 χ^2/NDF: 124.2/97

- sign 7.284+/-12.844 χ^2/NDF: 60.7/50

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.098+/-0.019 χ^2/NDF: 1269458.3/21

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

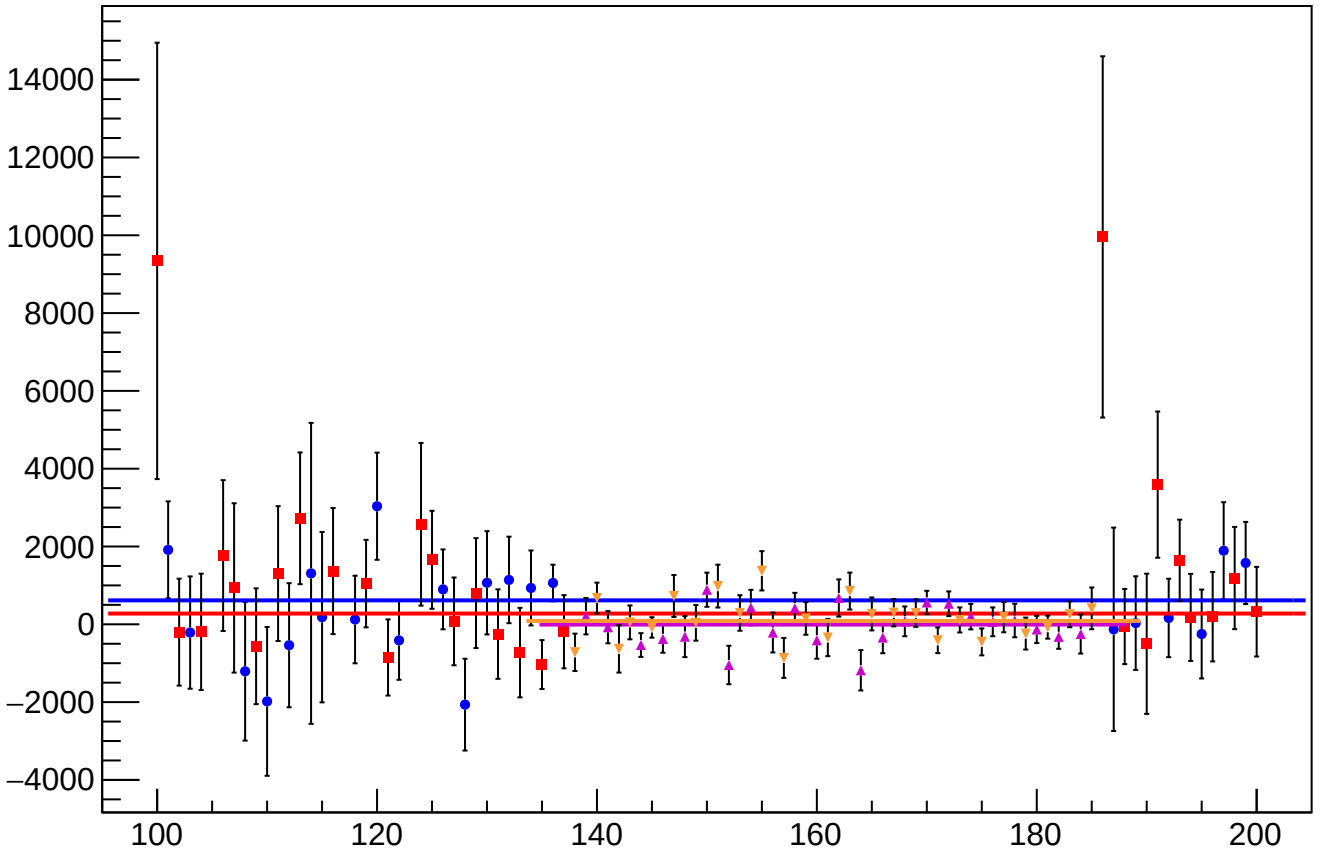
Right Out: 92.937+/-0.018 χ^2/NDF: 1763565.6/27

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 68.140+/-0.009 χ^2/NDF: 3428801.6/46

All: 68.915+/-0.006 χ^2/NDF: 7776276.8/97

- sign 69.713+/-0.009 χ^2/NDF: 4332253.3/50



Right In: 615.267+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 276.157+/-237.902 χ^2/NDF: 26.7/27

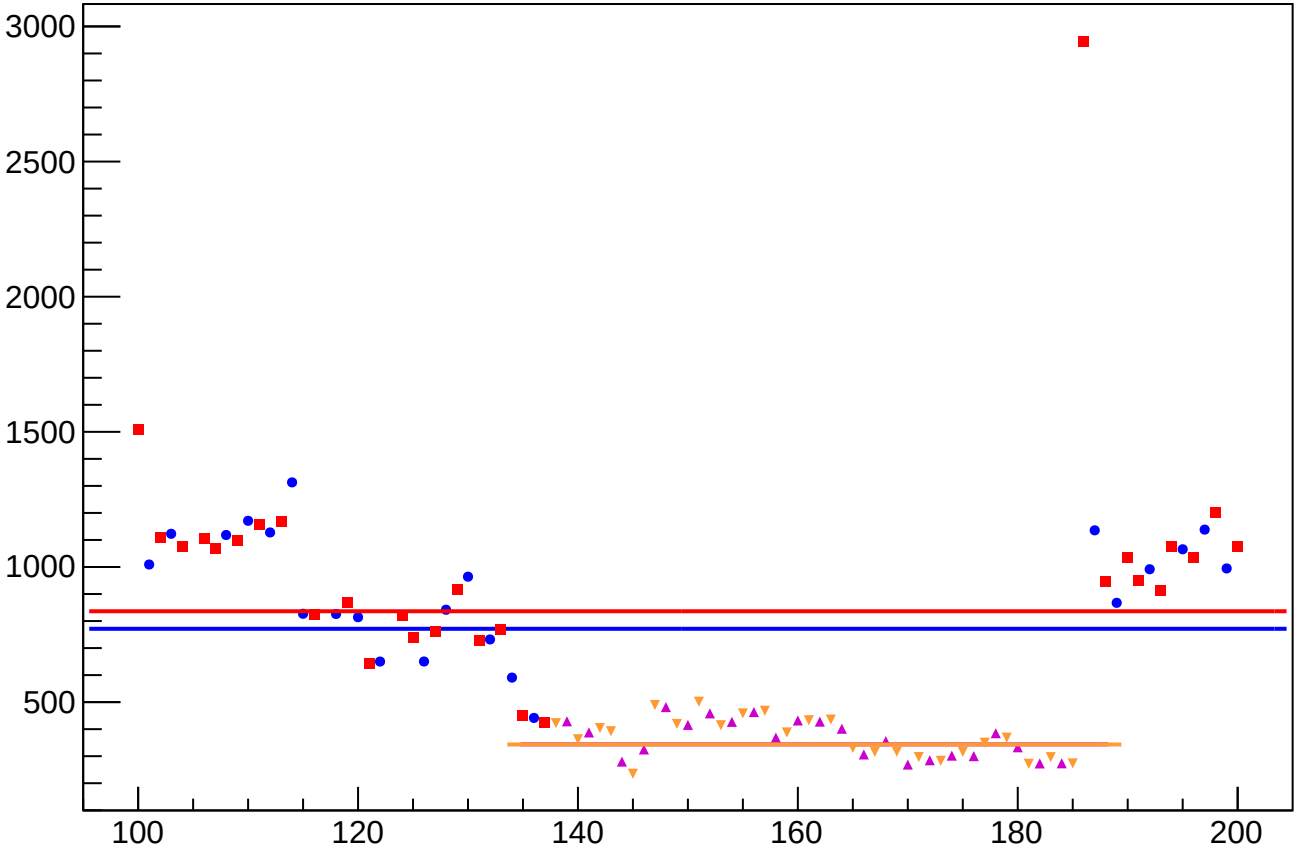
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 139.862+/-75.736 χ^2/NDF: 54.8/46

All: 83.152+/-54.206 χ^2/NDF: 116.3/97

- sign 23.590+/-77.618 χ^2/NDF: 60.4/50

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 771.329+/-0.169 χ^2/NDF: 2207816.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 836.217+/-0.168 χ^2/NDF: 2572980.2/27

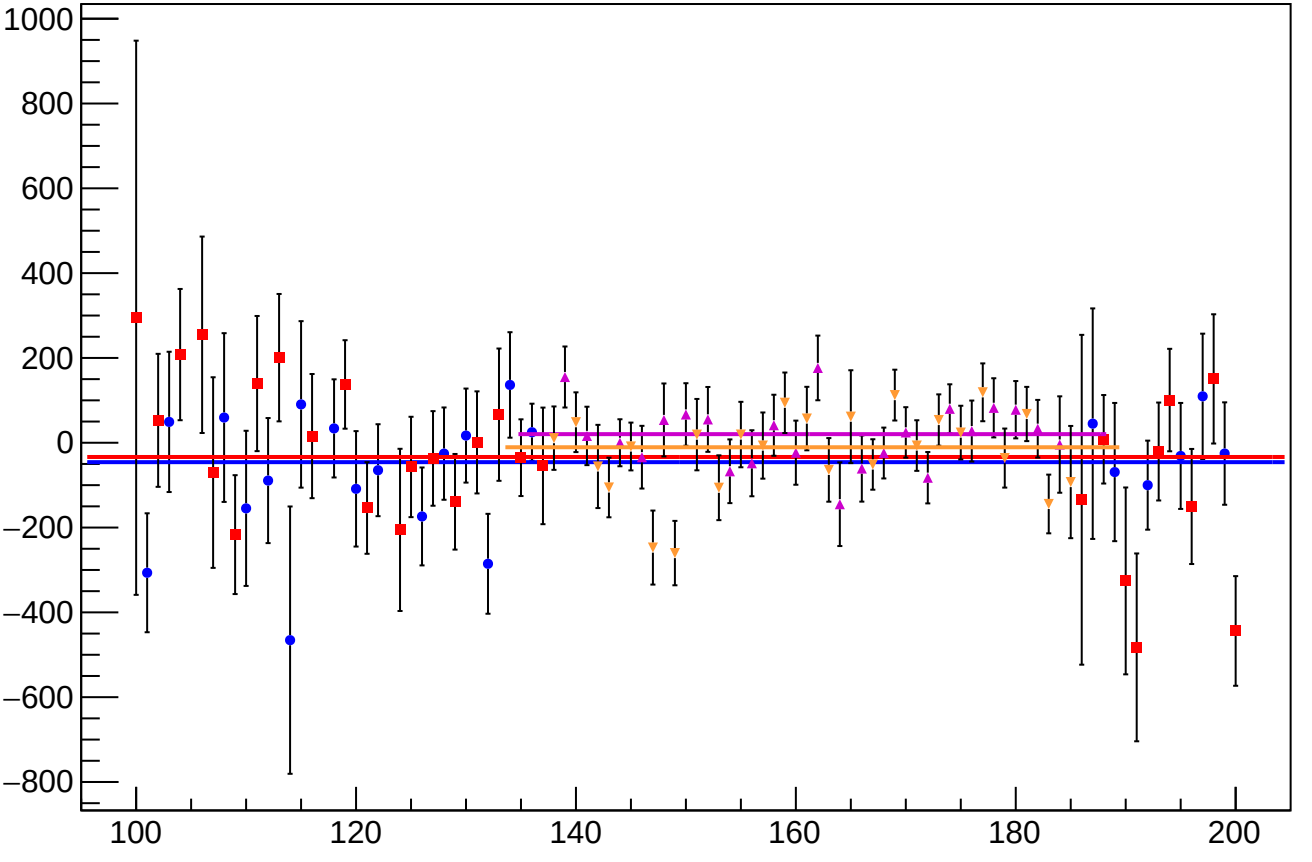
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 386.075+/-0.054 χ^2/NDF: 9559269.0/46

All: 390.984+/-0.038 χ^2/NDF: 21066795.9/97

- sign 396.141+/-0.055 χ^2/NDF: 11490295.1/50

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -33.569+/-26.125 χ^2/NDF: 35.8/27

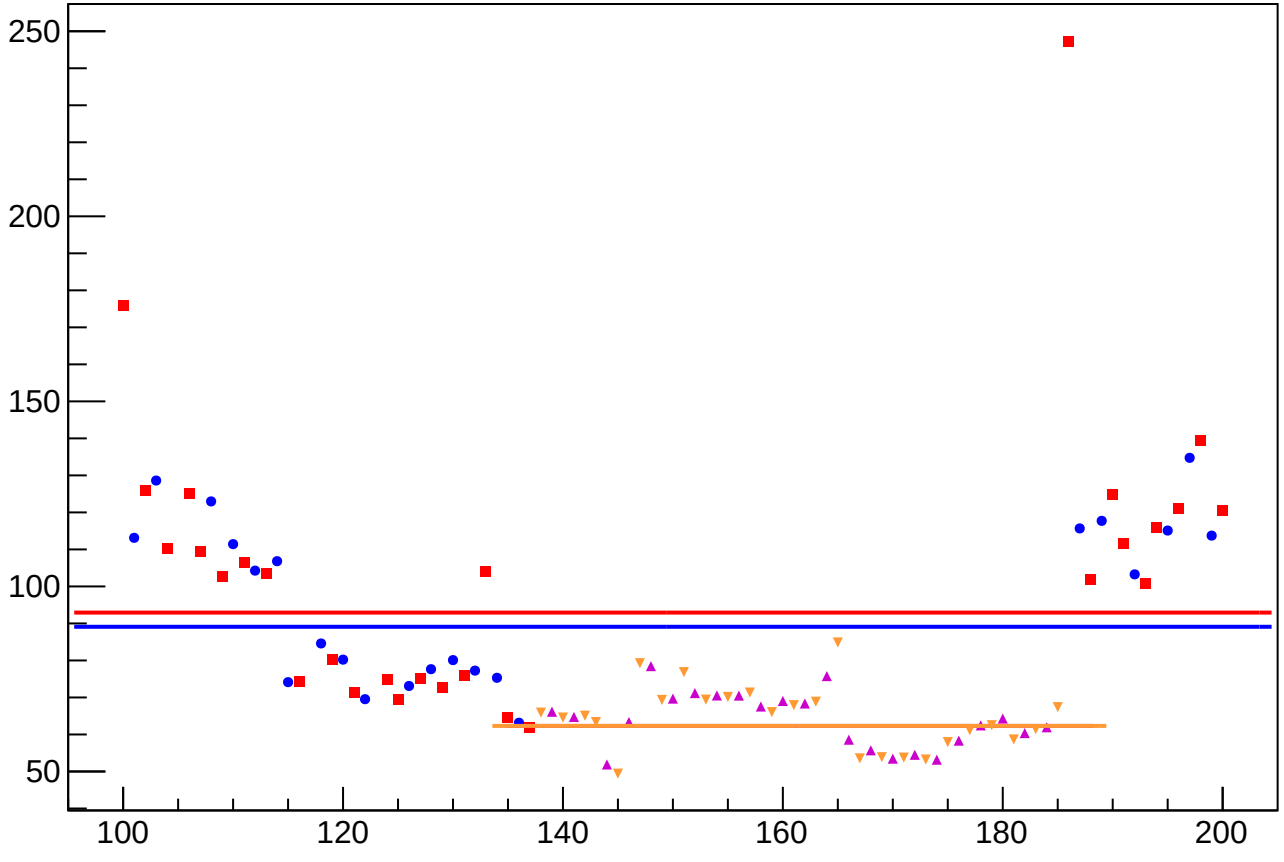
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.257+/-12.660 χ^2/NDF: 61.5/46

All: -5.672+/-9.016 χ^2/NDF: 124.2/97

- sign 7.283+/-12.844 χ^2/NDF: 60.7/50

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.097+/-0.019 χ^2/NDF: 1269473.4/21

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

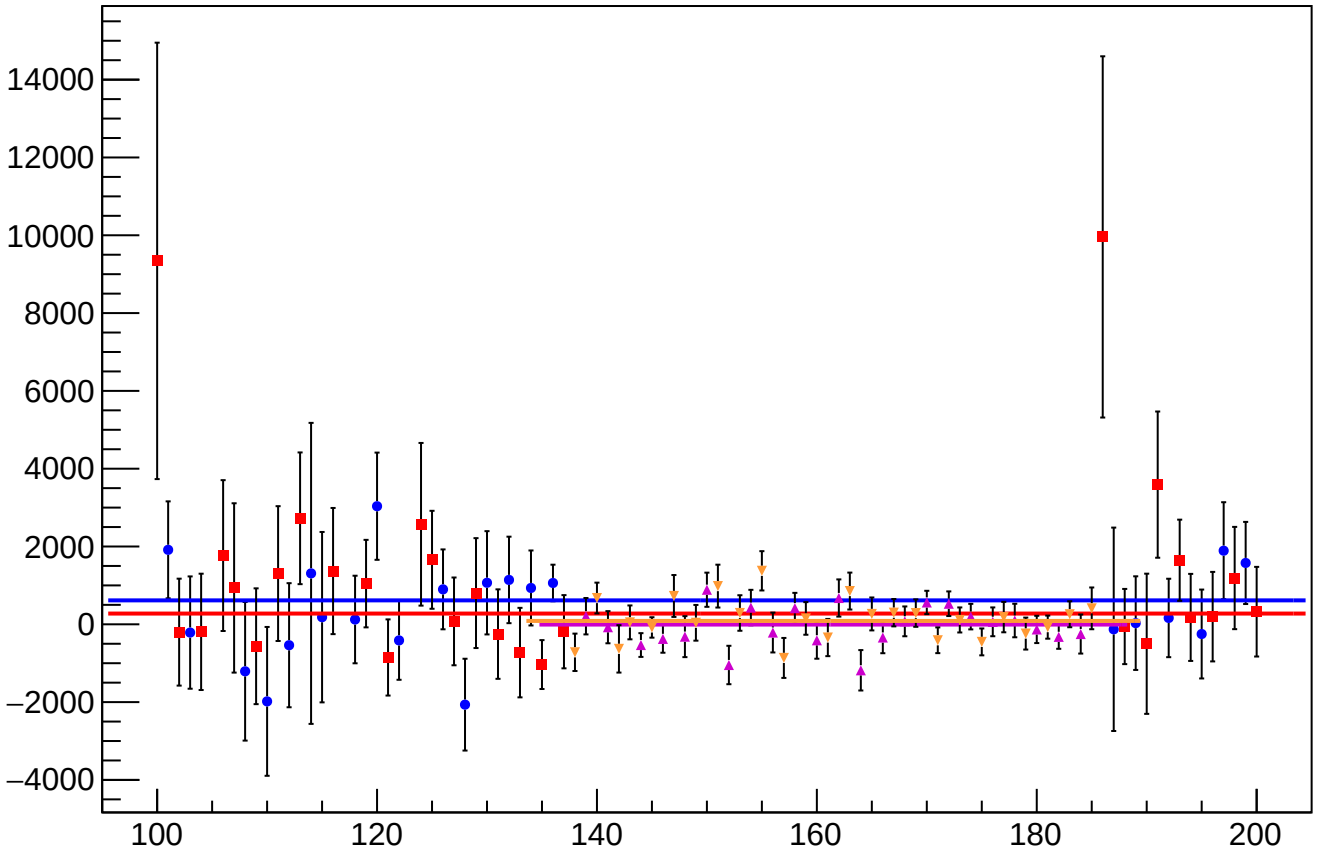
Right Out: 92.936+/-0.018 χ^2/NDF: 1763560.2/27

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 68.140+/-0.009 χ^2/NDF: 3428773.1/46

All: 68.915+/-0.006 χ^2/NDF: 7776188.2/97

- sign 69.713+/-0.009 χ^2/NDF: 4332190.4/50



Right In: 615.266+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

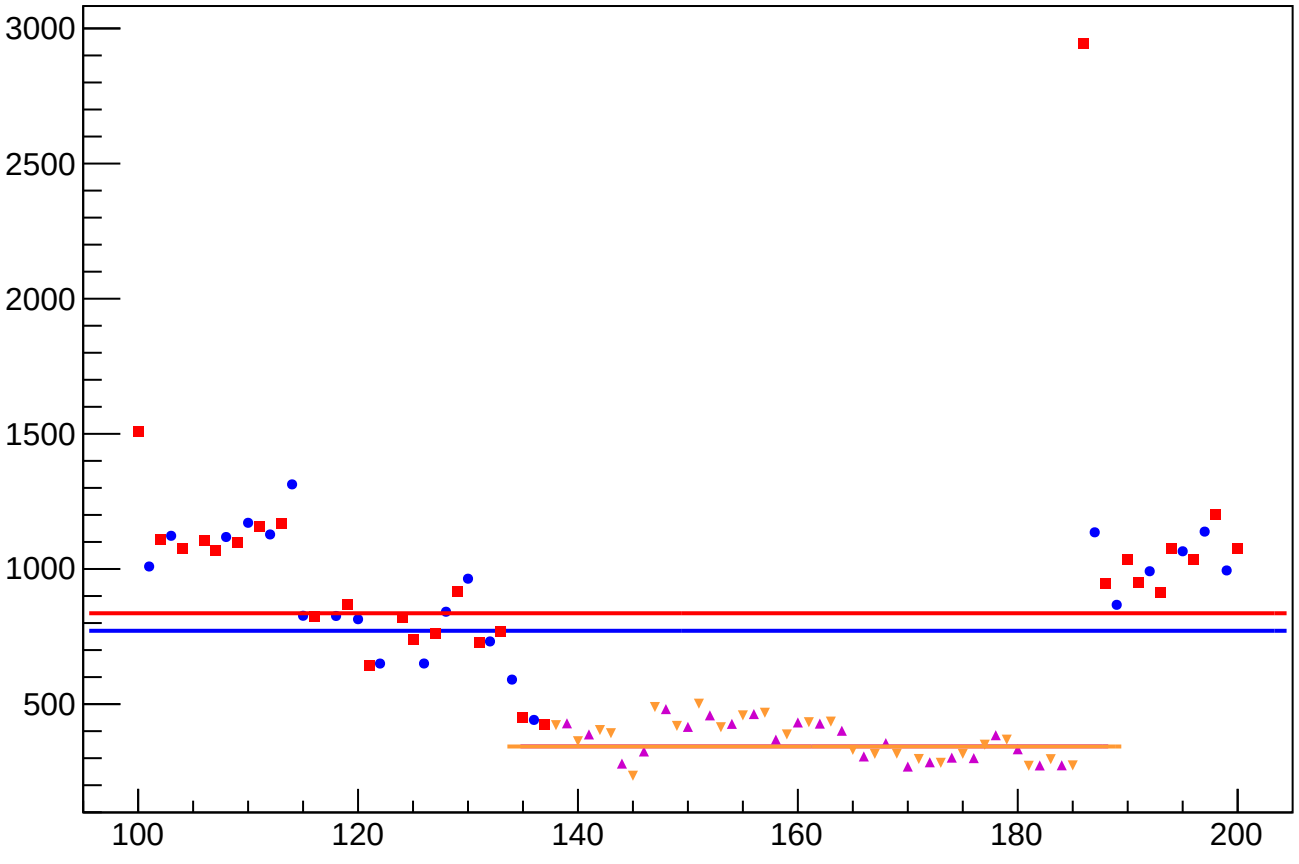
Right Out: 276.158+/-237.902 χ^2/NDF: 26.7/27

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

\+ sign 139.862+/-75.736 χ^2/NDF: 54.8/46

All: 83.153+/-54.206 χ^2/NDF: 116.3/97

\- sign 23.590+/-77.618 χ^2/NDF: 60.4/50



Right In: 771.328+/-0.169 χ^2/NDF: 2207807.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 836.216+/-0.168 χ^2/NDF: 2572977.4/27

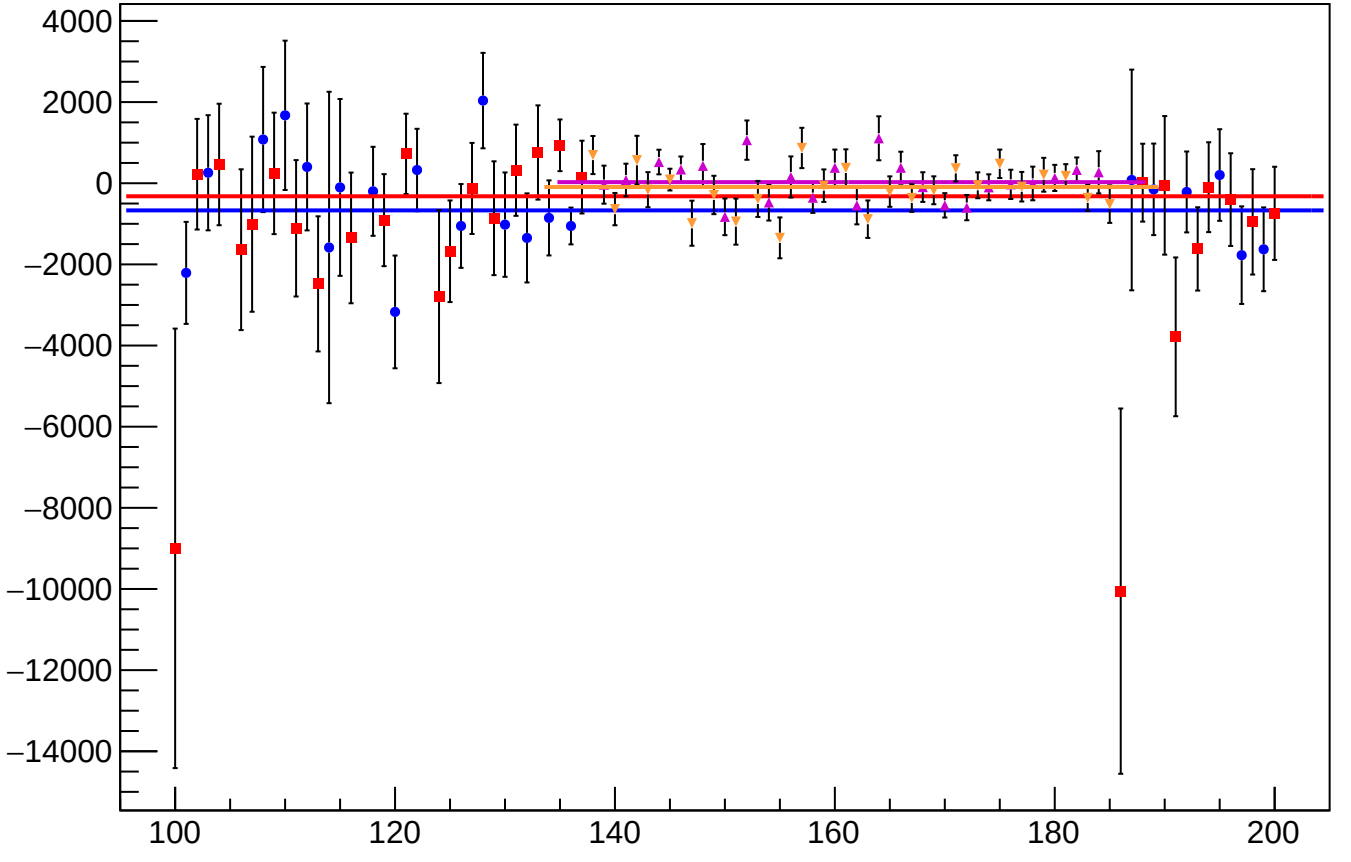
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 386.075+/-0.054 χ^2/NDF: 9559270.9/46

All: 390.985+/-0.038 χ^2/NDF: 21066793.6/97

- sign 396.141+/-0.055 χ^2/NDF: 11490290.4/50

asym_sam_15_26_dd_mean vs Slug



Right In: -669.352+/-234.291 χ^2/NDF: 18.9/21

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -321.394+/-236.640 χ^2/NDF: 25.4/27

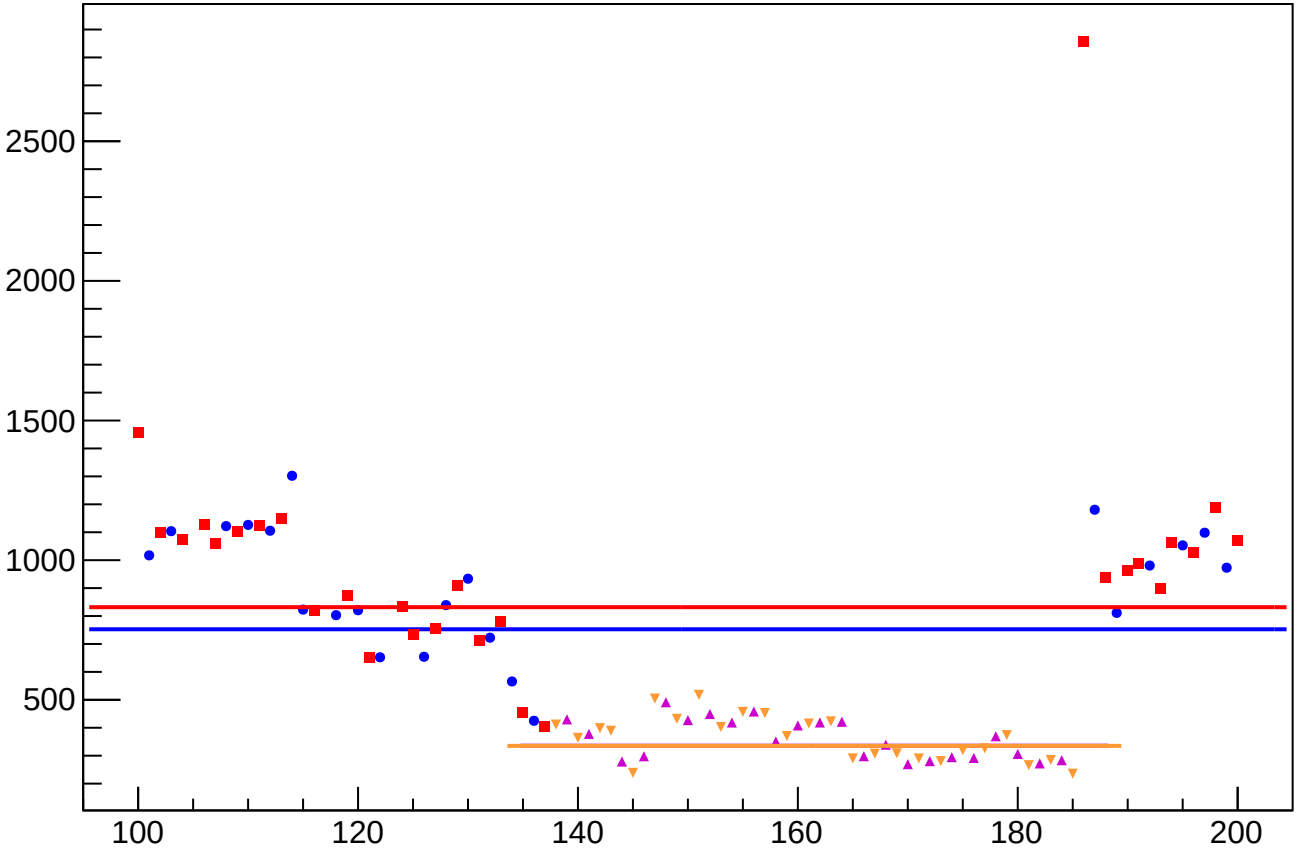
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -150.455+/-74.164 χ^2/NDF: 58.6/46

All: -81.298+/-53.066 χ^2/NDF: 118.6/97

- sign -8.744+/-75.963 χ^2/NDF: 58.2/50

asym_sam_15_26_dd_rms vs Slug



Right In: 752.616+/-0.166 χ^2/NDF: 2307067.7/21

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

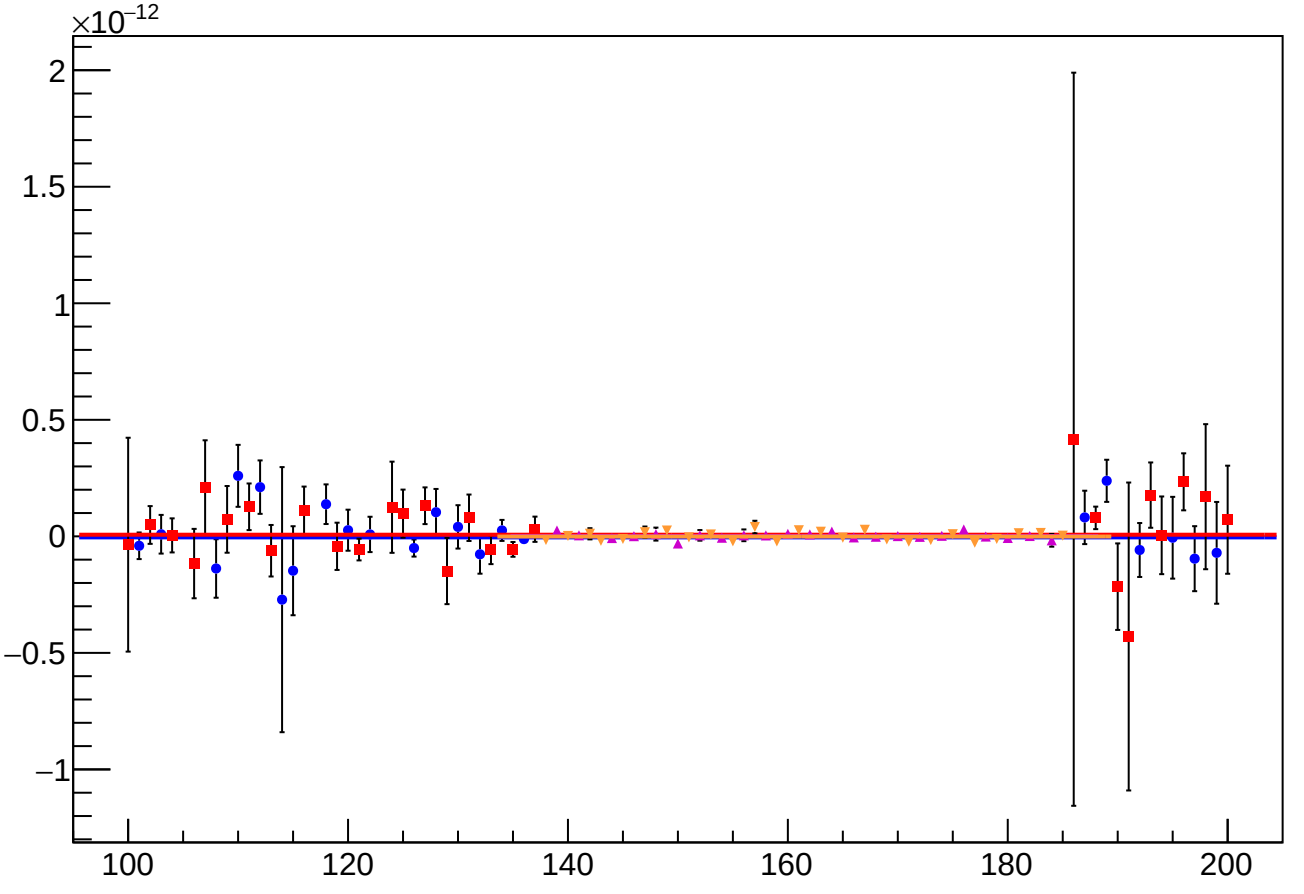
Right Out: 831.708+/-0.167 χ^2/NDF: 2548629.7/27

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 376.980+/-0.052 χ^2/NDF: 9726645.0/46

All: 381.816+/-0.038 χ^2/NDF: 21462643.7/97

- sign 386.889+/-0.054 χ^2/NDF: 11718576.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/27

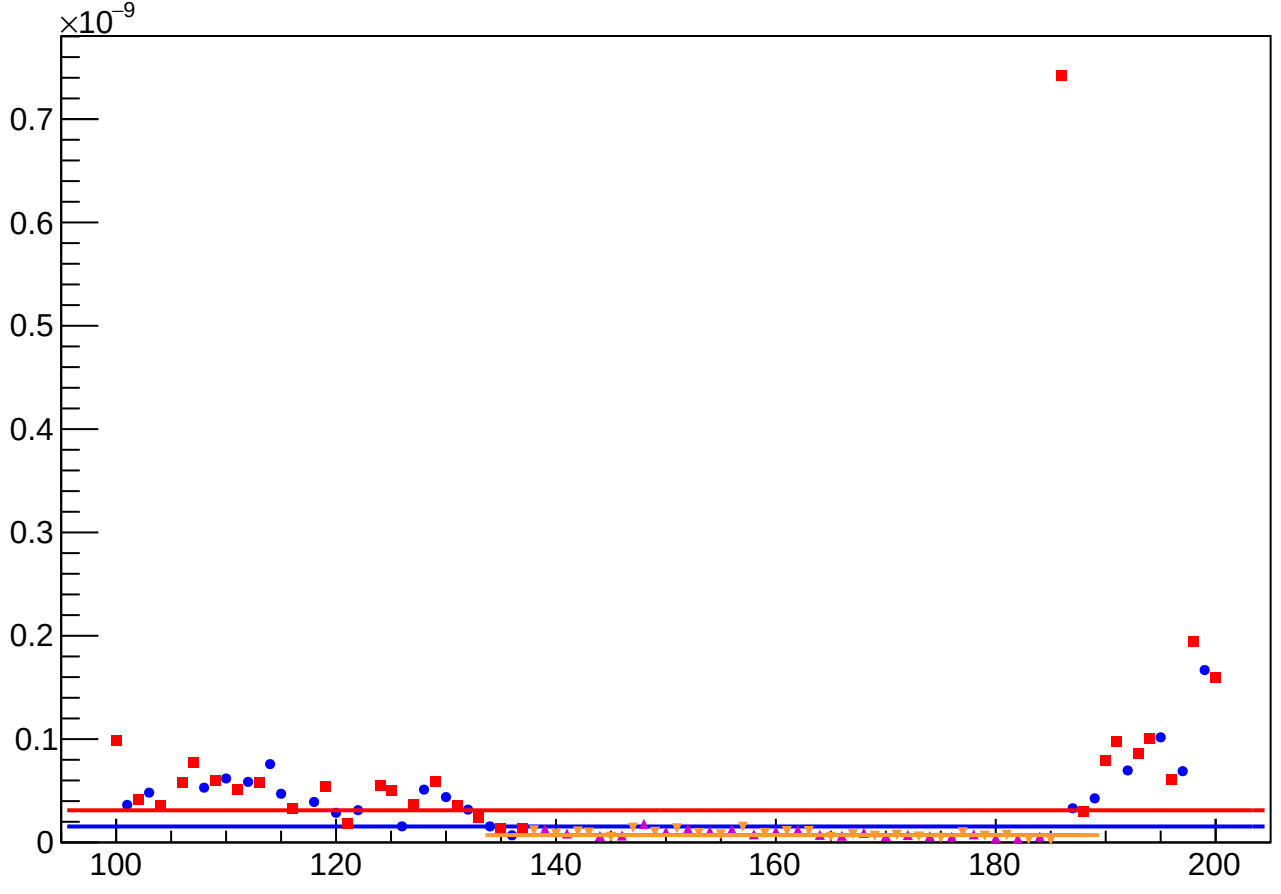
Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: 0.000+/-0.000 χ^2/NDF: 101.8/97

- sign 0.000+/-0.000 χ^2/NDF: 42.1/50

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5519631.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

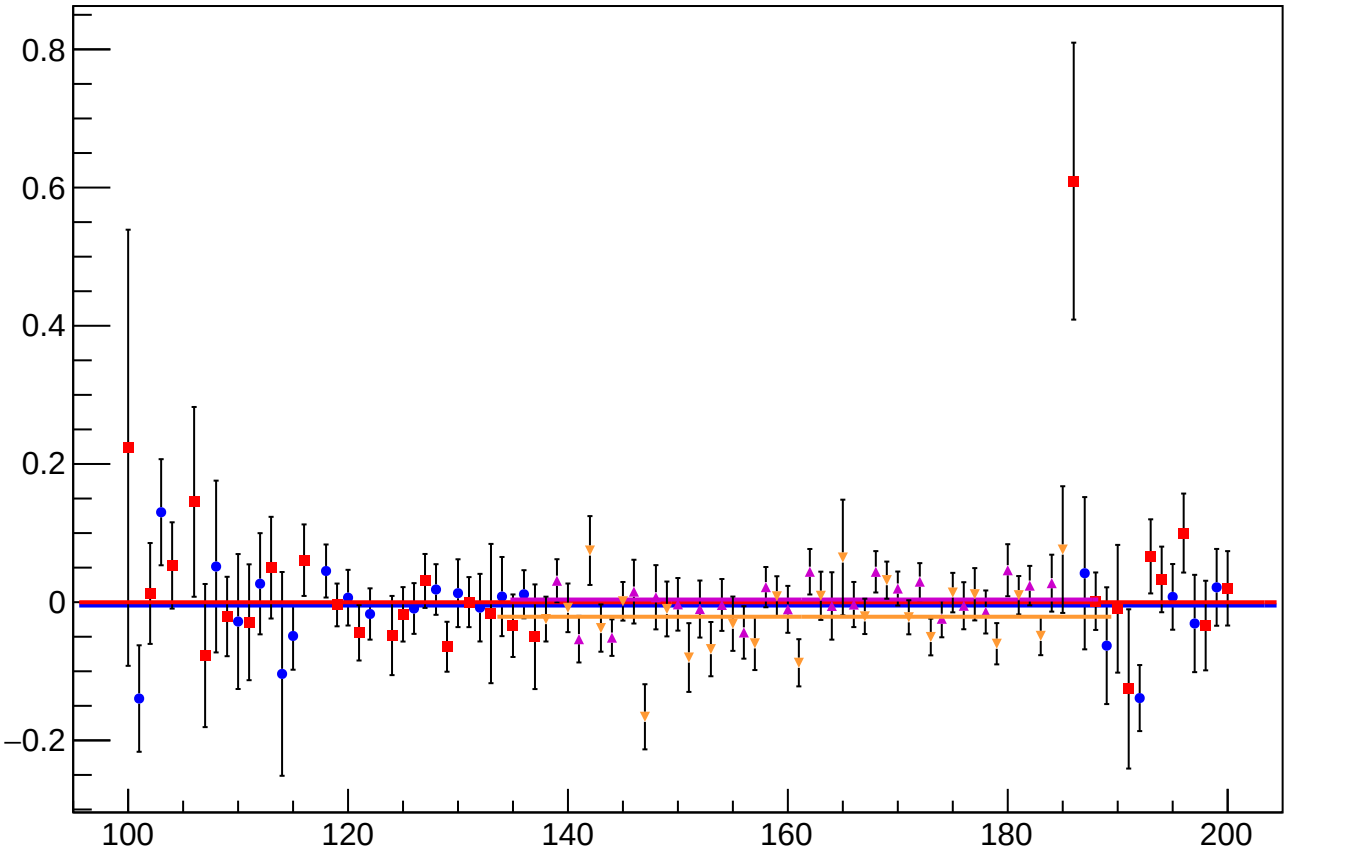
Right Out: 0.000+/-0.000 χ^2/NDF: 4335905.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8758748.2/46

All: 0.000+/-0.000 χ^2/NDF: 19105456.6/97

- sign 0.000+/-0.000 χ^2/NDF: 10331822.7/50



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

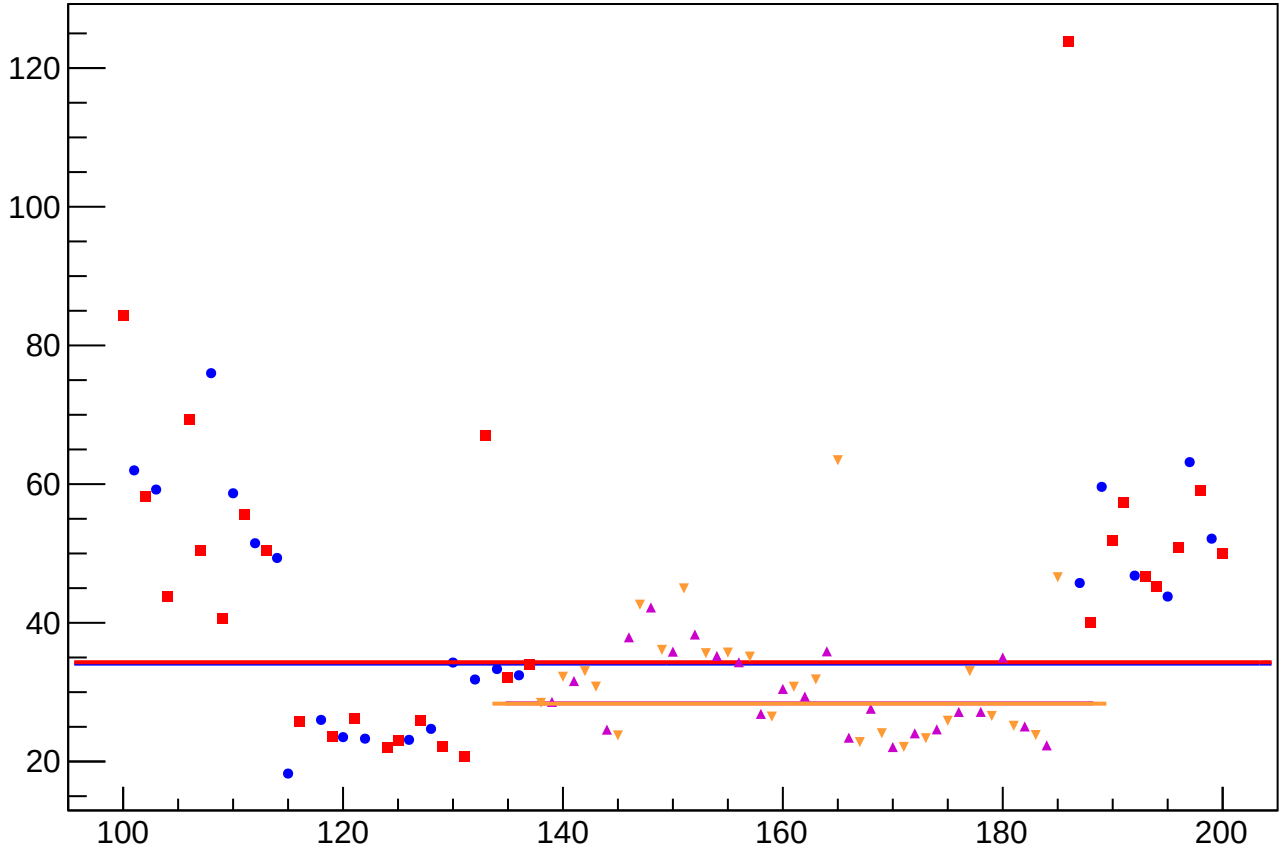
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.7/97

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

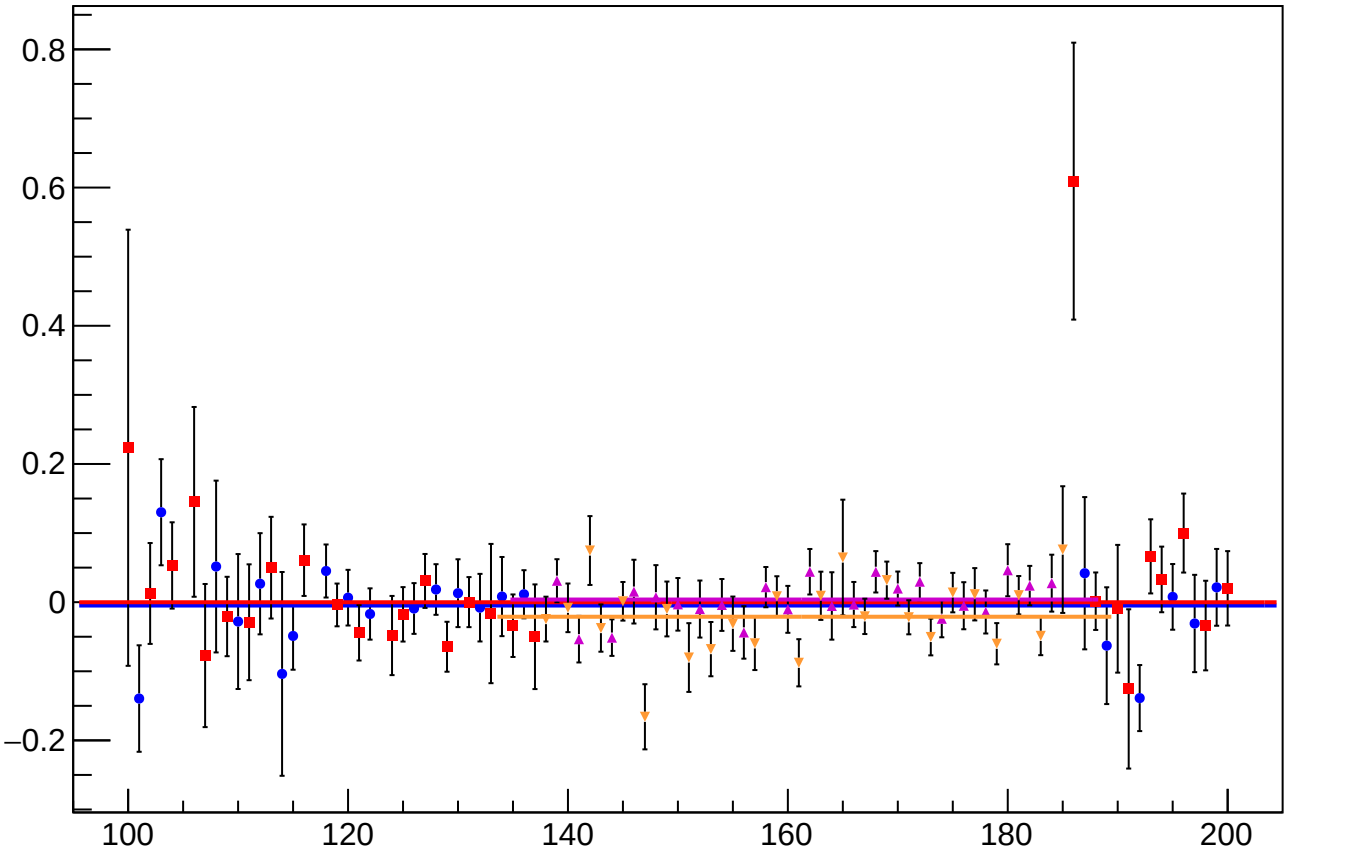
Right Out: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.893+/-0.004 χ^2/NDF: 5007399.6/46

All: 30.067+/-0.003 χ^2/NDF: 10194710.2/97

- sign 30.239+/-0.004 χ^2/NDF: 5183631.1/50



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

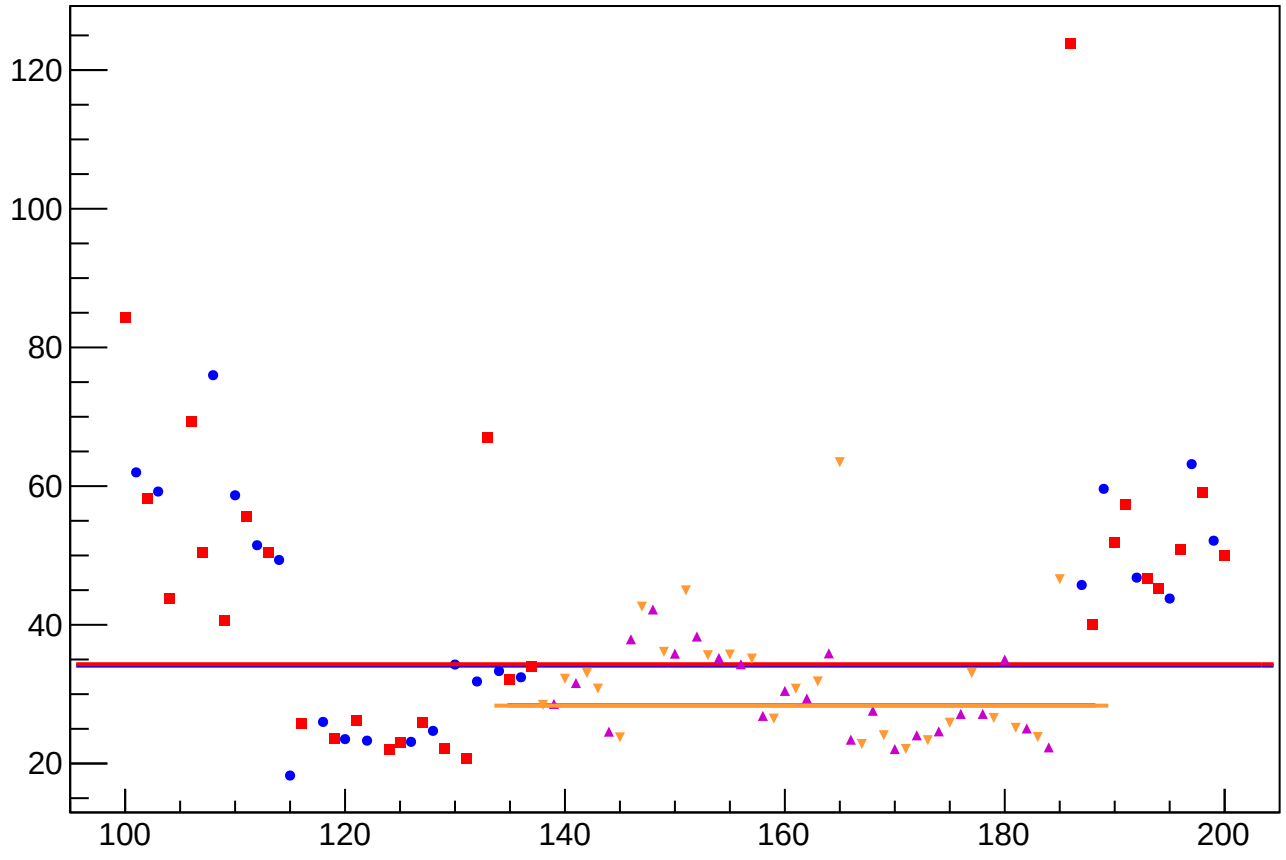
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.7/97

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

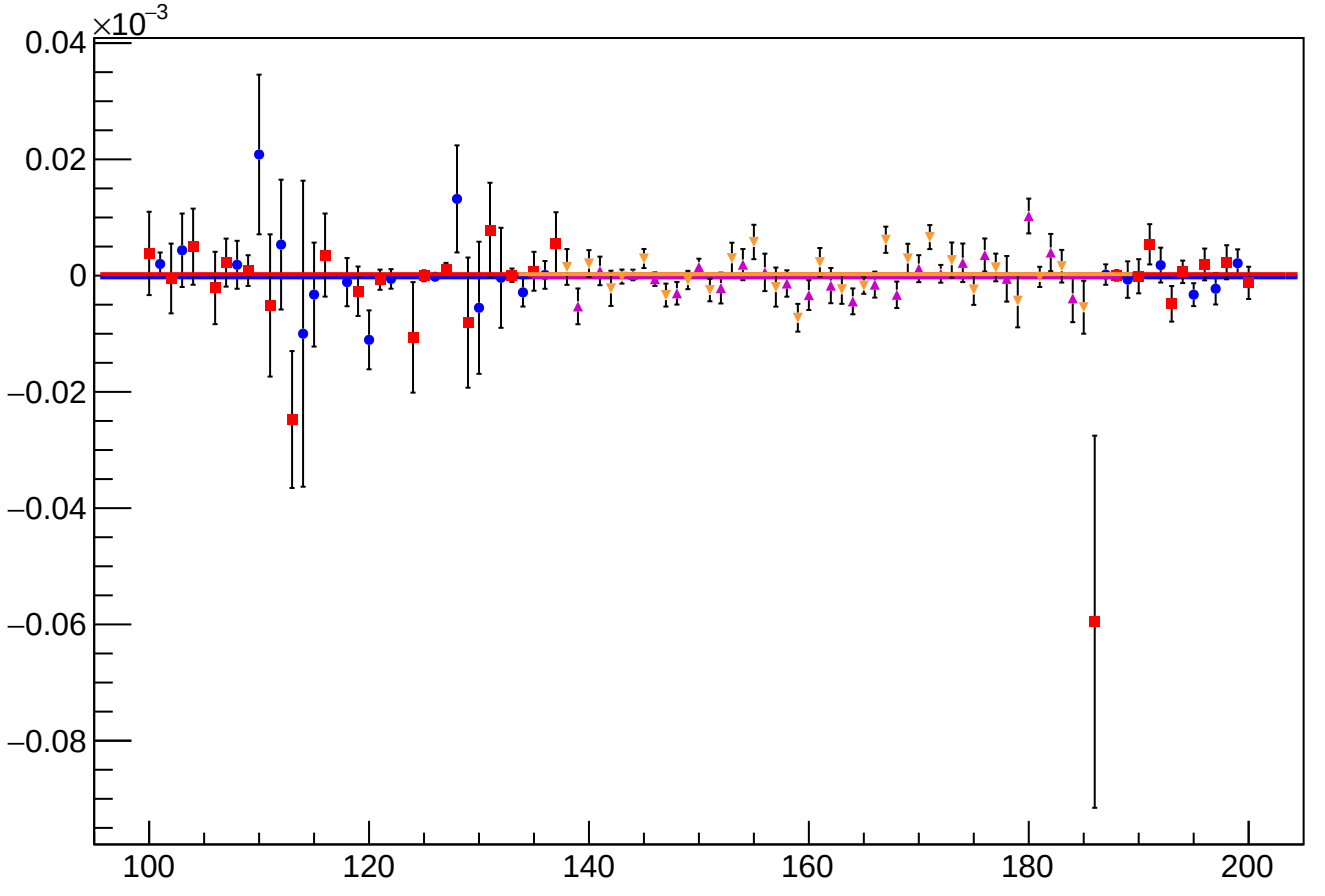
Right Out: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.893+/-0.004 χ^2/NDF: 5007399.6/46

All: 30.067+/-0.003 χ^2/NDF: 10194710.2/97

- sign 30.239+/-0.004 χ^2/NDF: 5183631.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

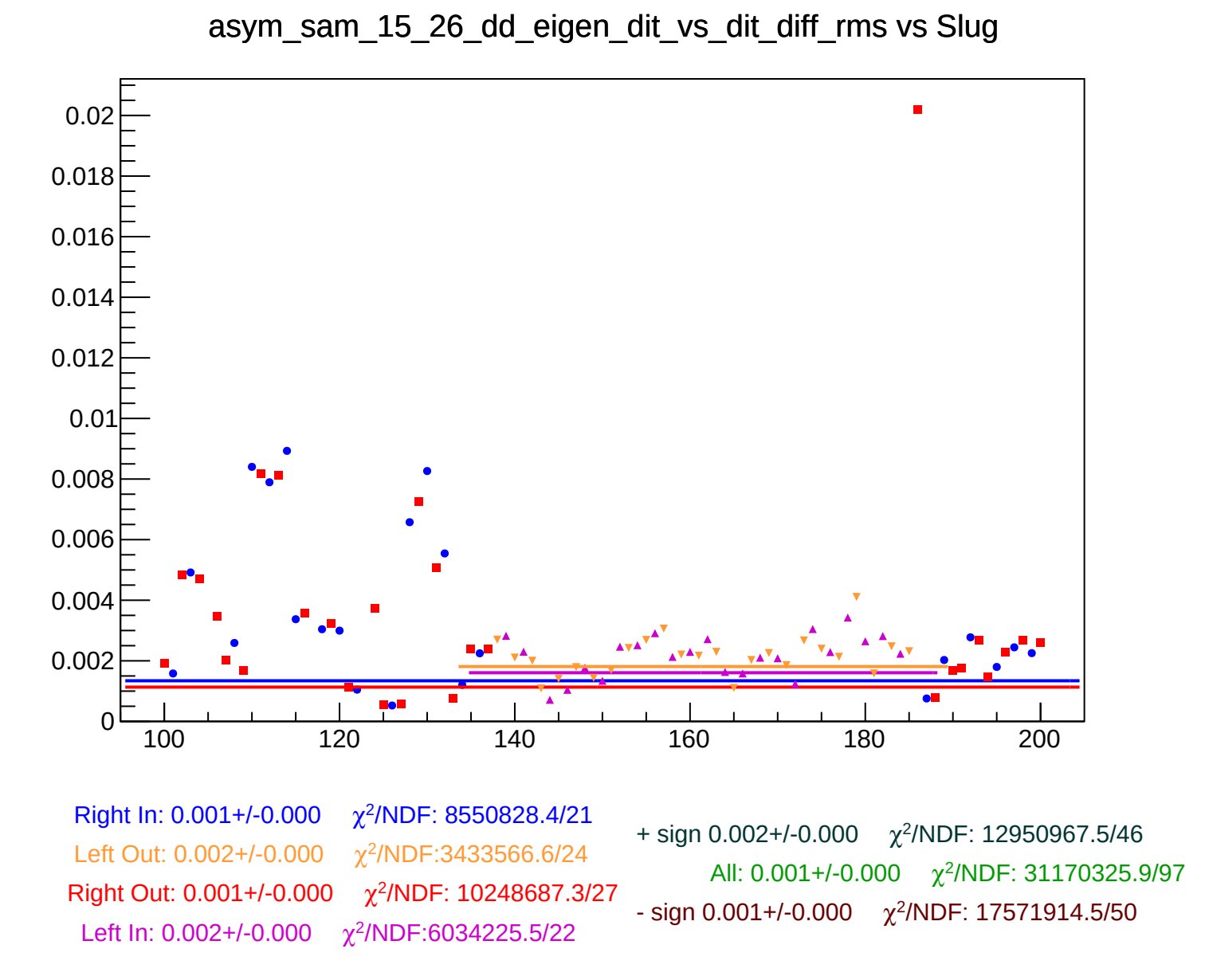
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/27

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/46

All: 0.000+/-0.000 χ^2/NDF: 124.1/97

- sign 0.000+/-0.000 χ^2/NDF: 55.1/50


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
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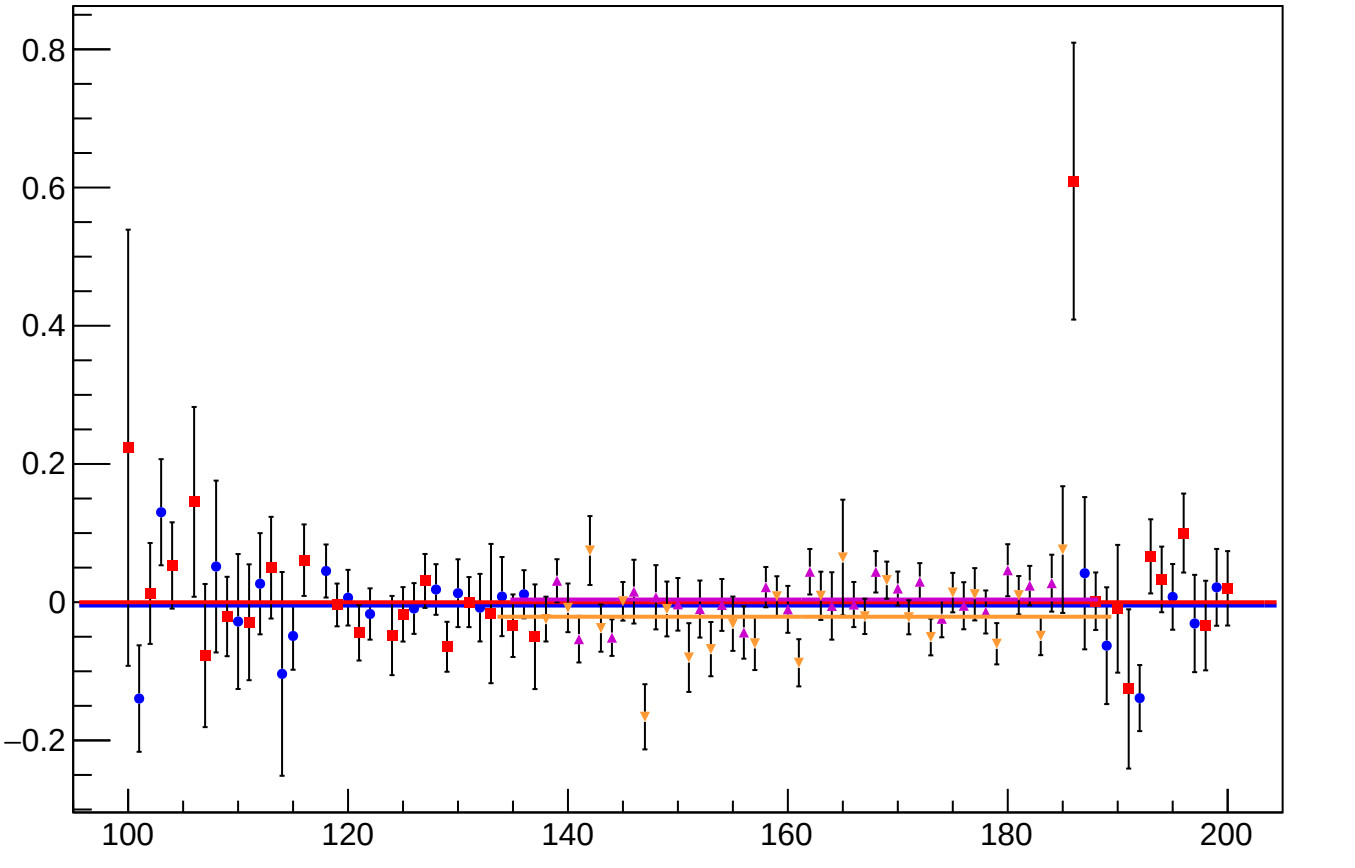
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8550828.4/21
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 10248687.3/27
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12950967.5/46
All: 0.001+/-0.000 χ²/NDF: 31170325.9/97
- sign 0.001+/-0.000 χ²/NDF: 17571914.5/50



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

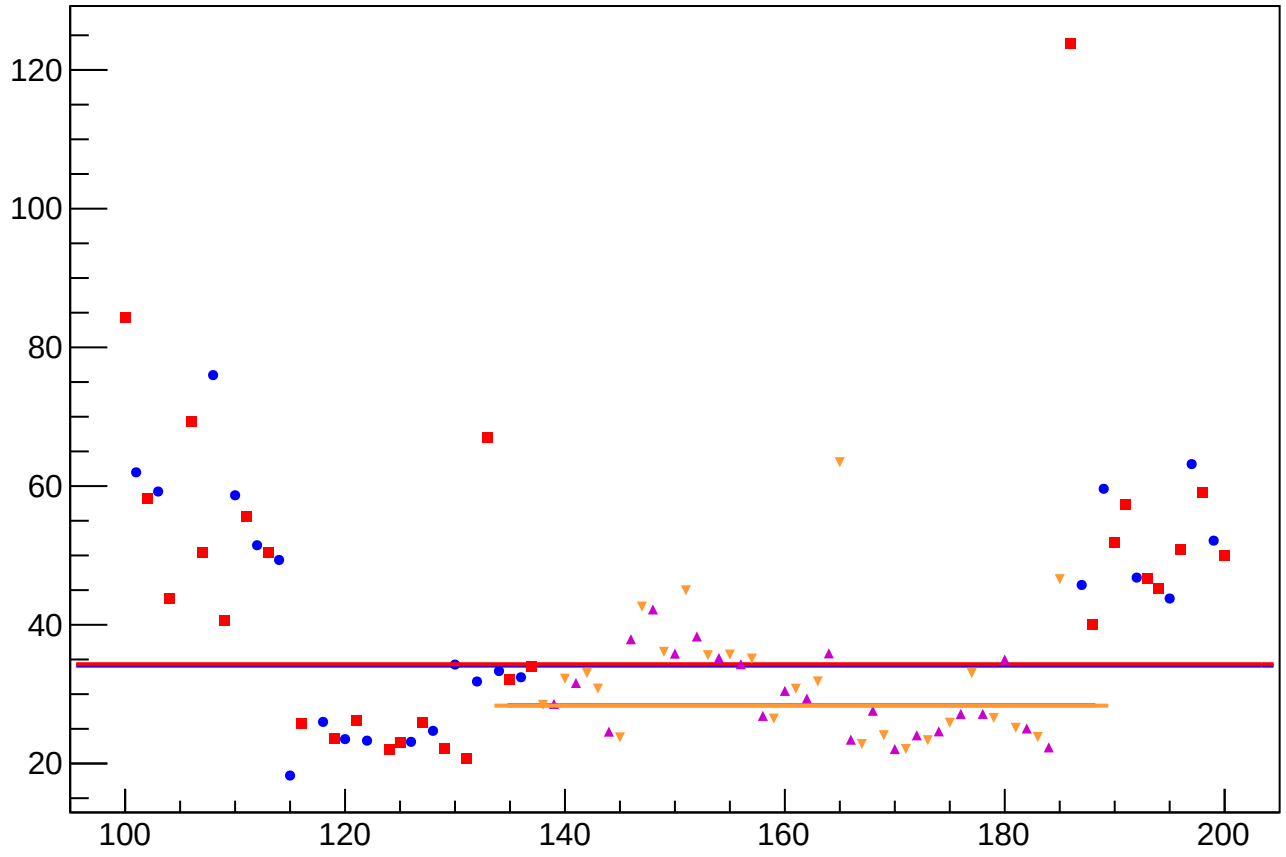
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.7/97

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

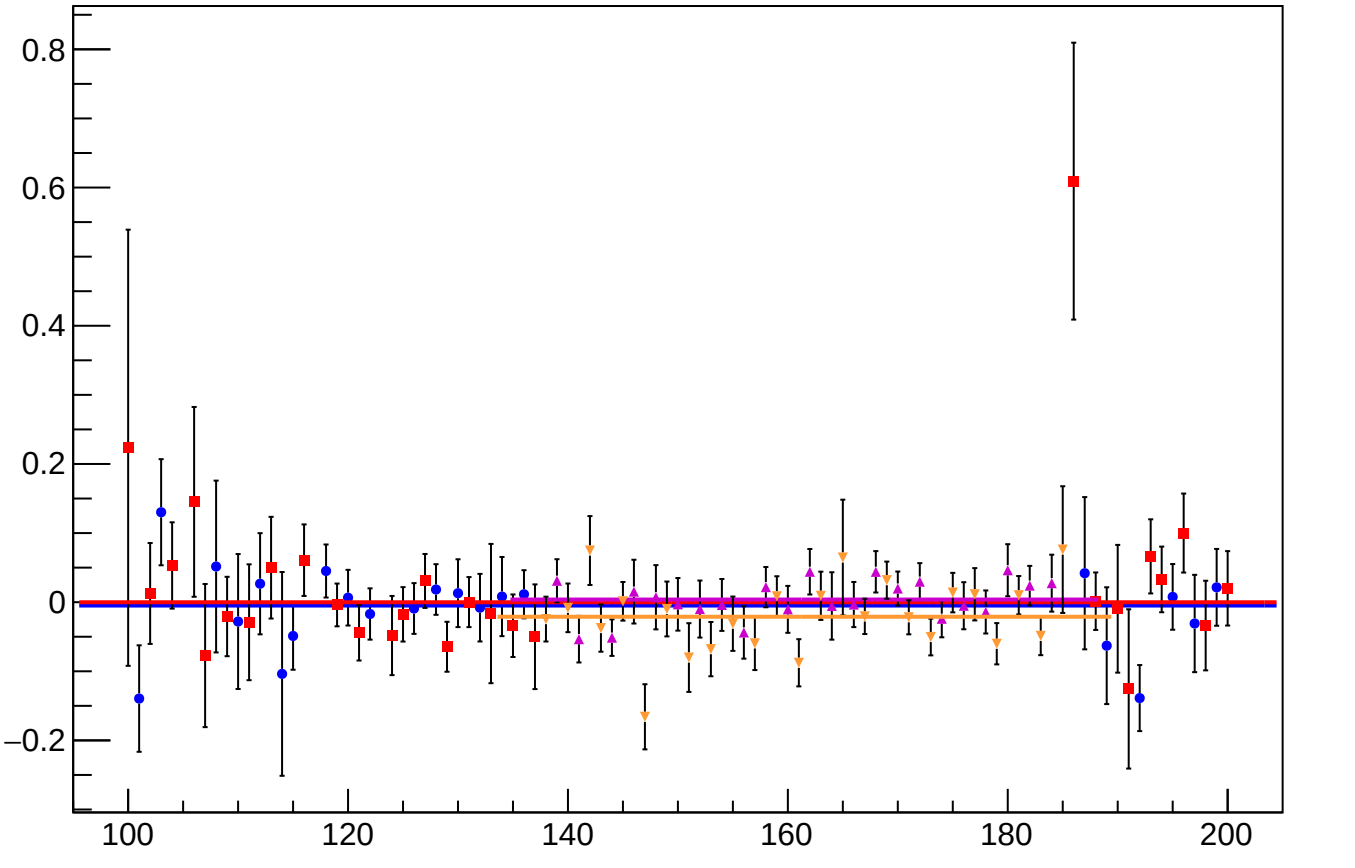
Right Out: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.894+/-0.004 χ^2/NDF: 5007250.4/46

All: 30.067+/-0.003 χ^2/NDF: 10194514.9/97

- sign 30.239+/-0.004 χ^2/NDF: 5183585.0/50



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

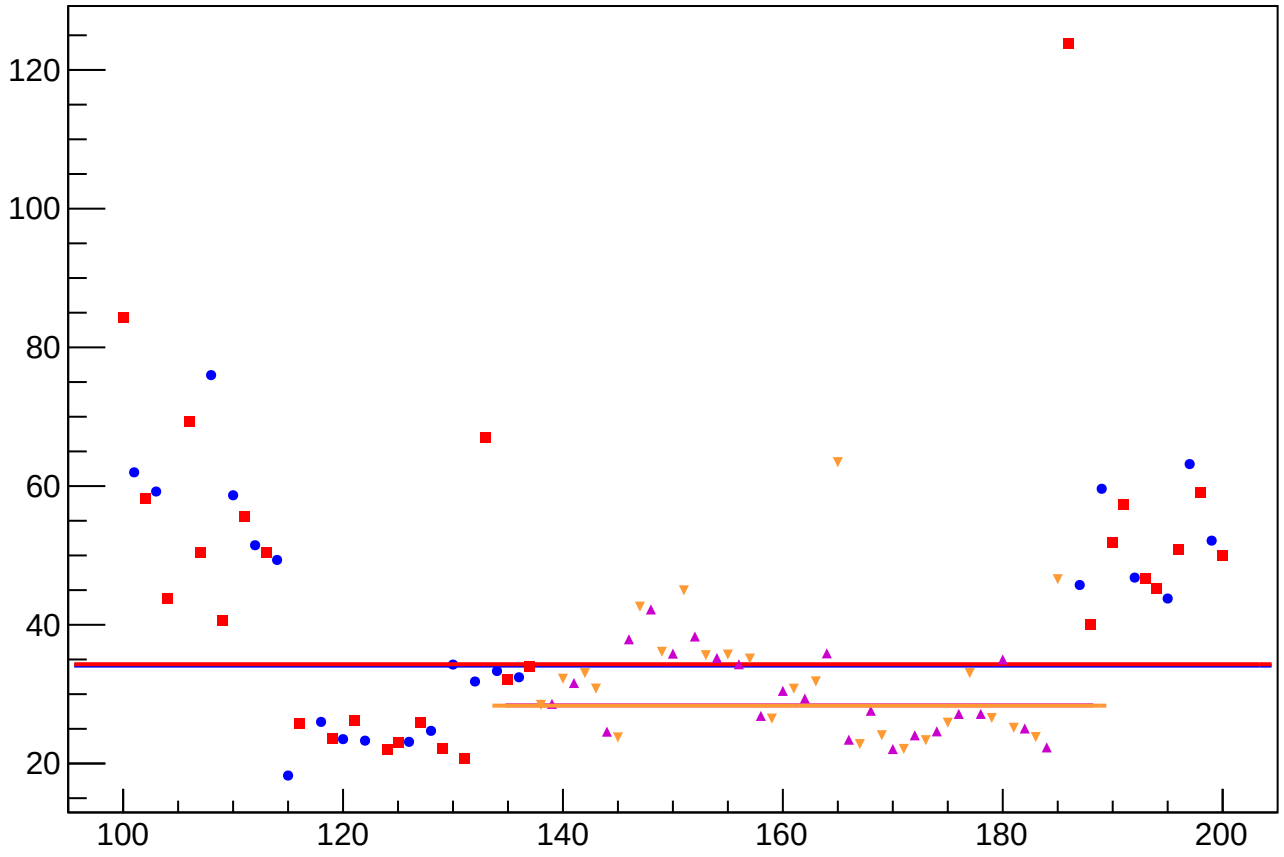
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.7/97

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

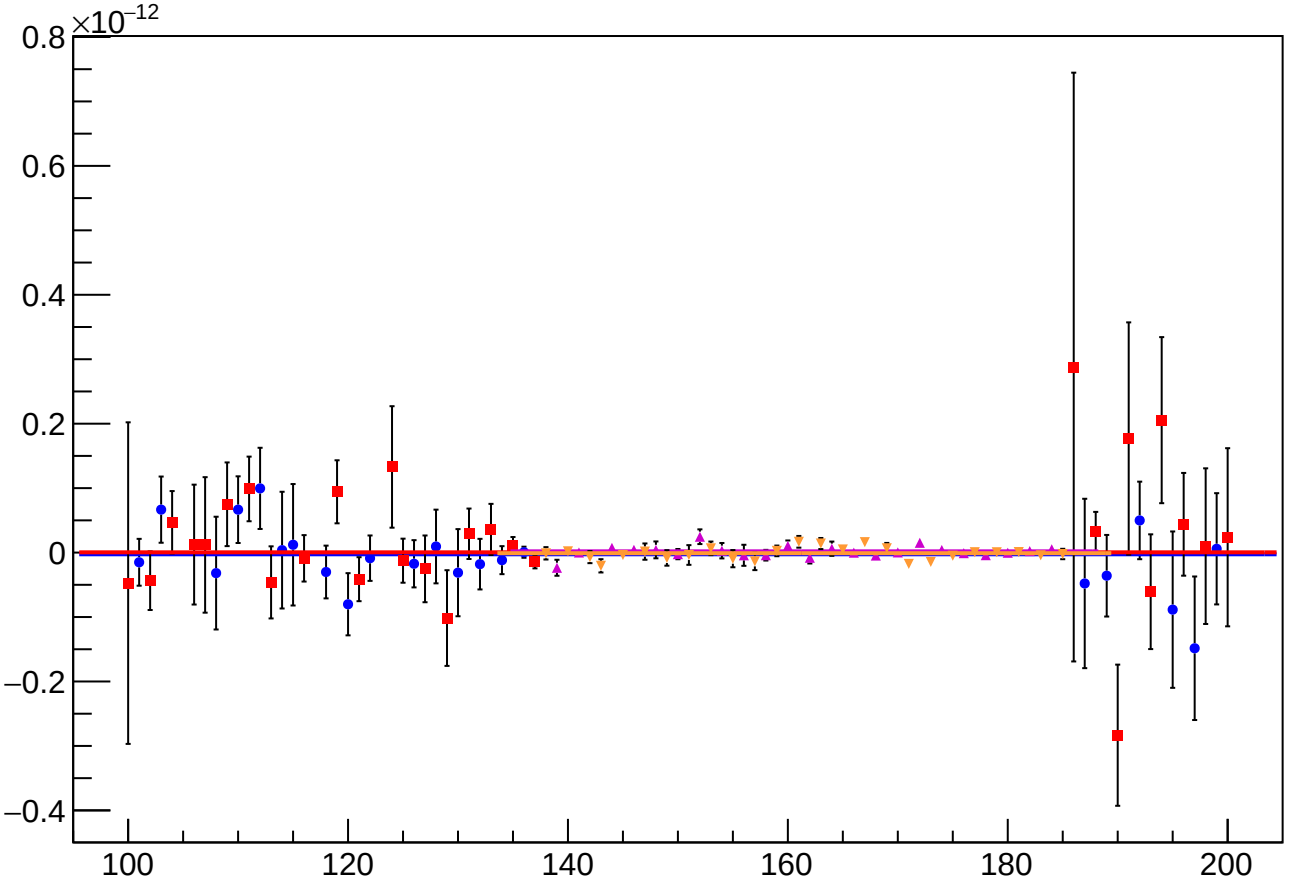
Right Out: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.894+/-0.004 χ^2/NDF: 5007250.4/46

All: 30.067+/-0.003 χ^2/NDF: 10194514.9/97

\- sign 30.239+/-0.004 χ^2/NDF: 5183585.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

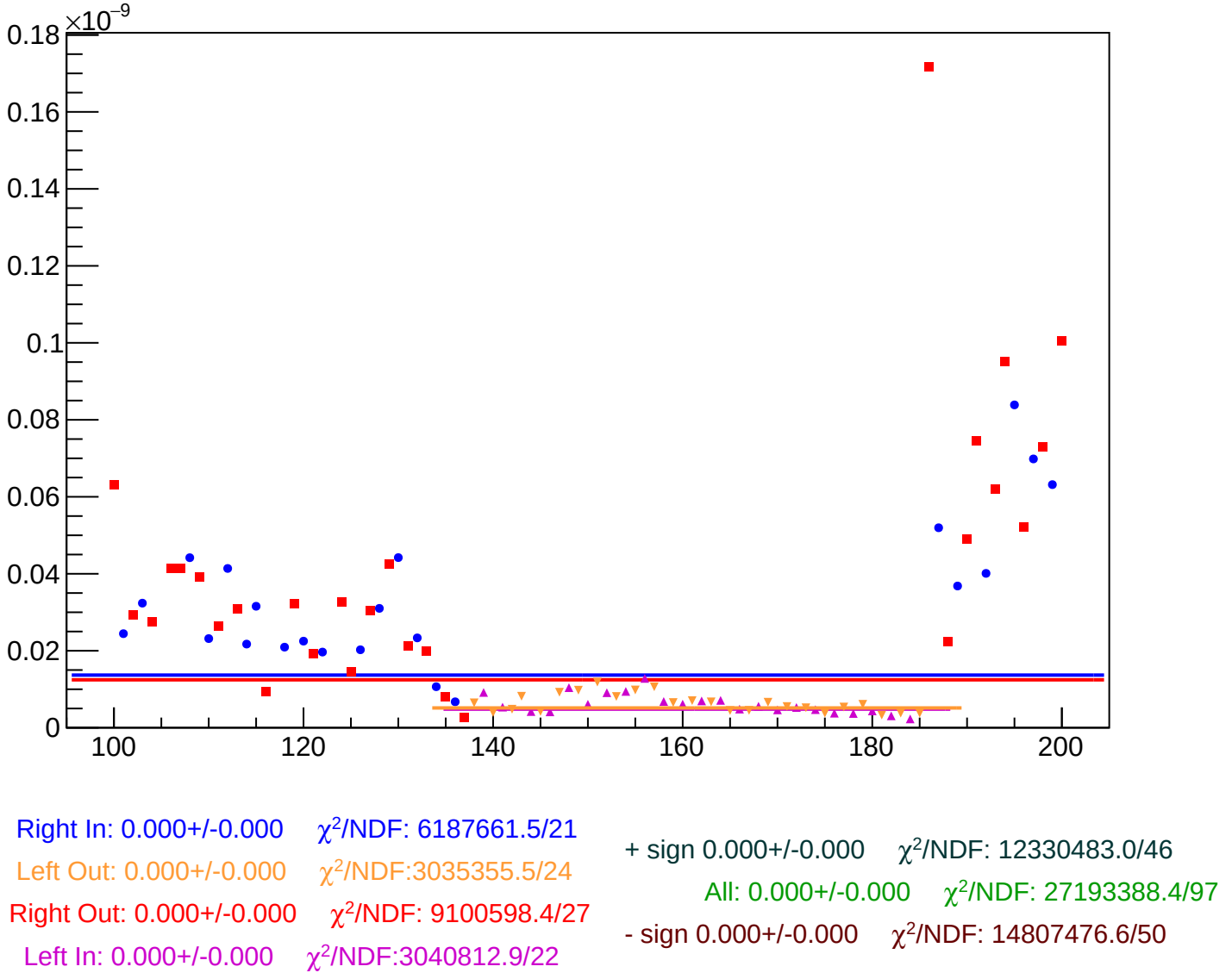
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/27

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

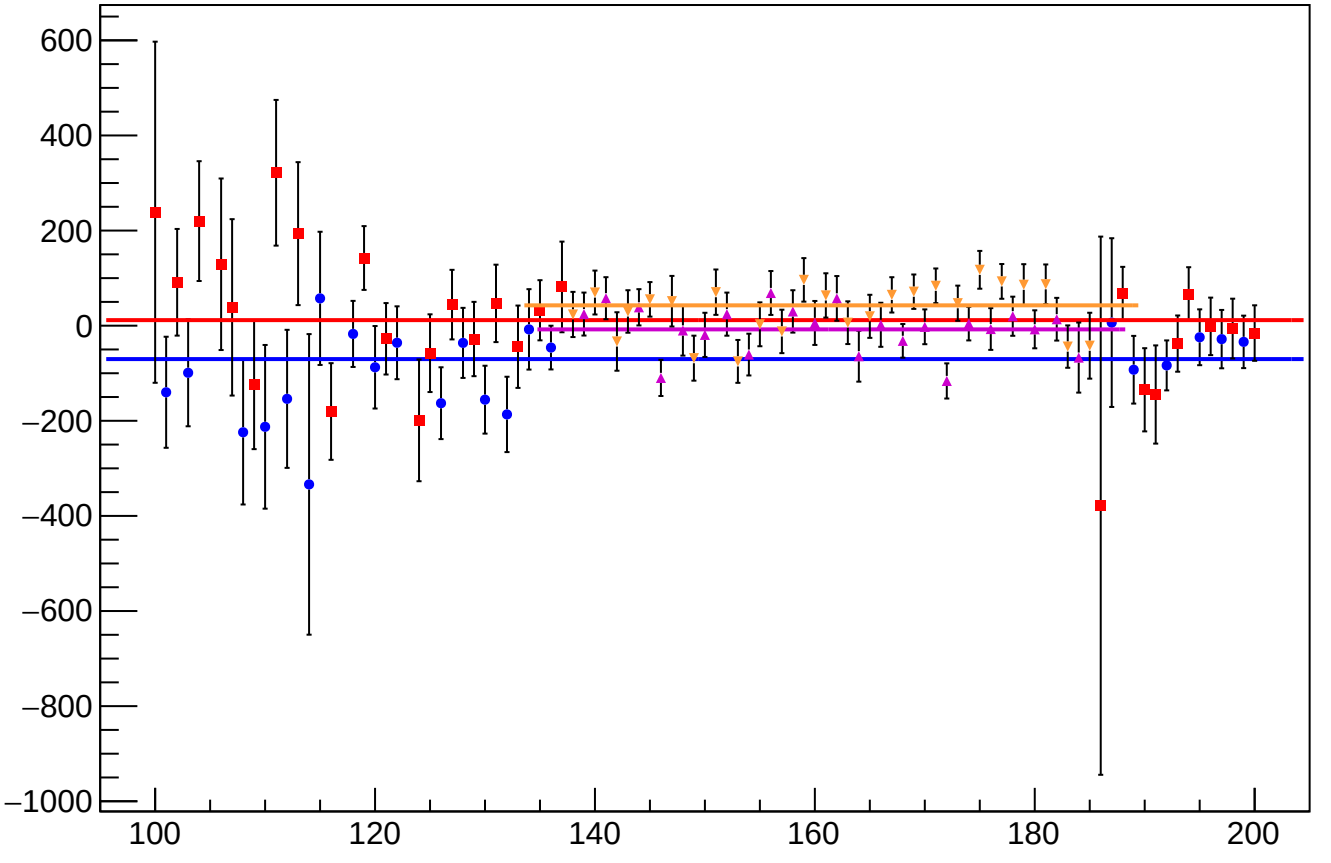
+ sign -0.000+/-0.000 χ^2/NDF: 48.0/46

All: 0.000+/-0.000 χ^2/NDF: 103.5/97

- sign 0.000+/-0.000 χ^2/NDF: 53.5/50


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6187661.5/21
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9100598.4/27
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 12330483.0/46
All: 0.000+/-0.000 χ²/NDF: 27193388.4/97
- sign 0.000+/-0.000 χ²/NDF: 14807476.6/50

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -70.230+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 11.682+/-15.769 χ^2/NDF: 32.0/27

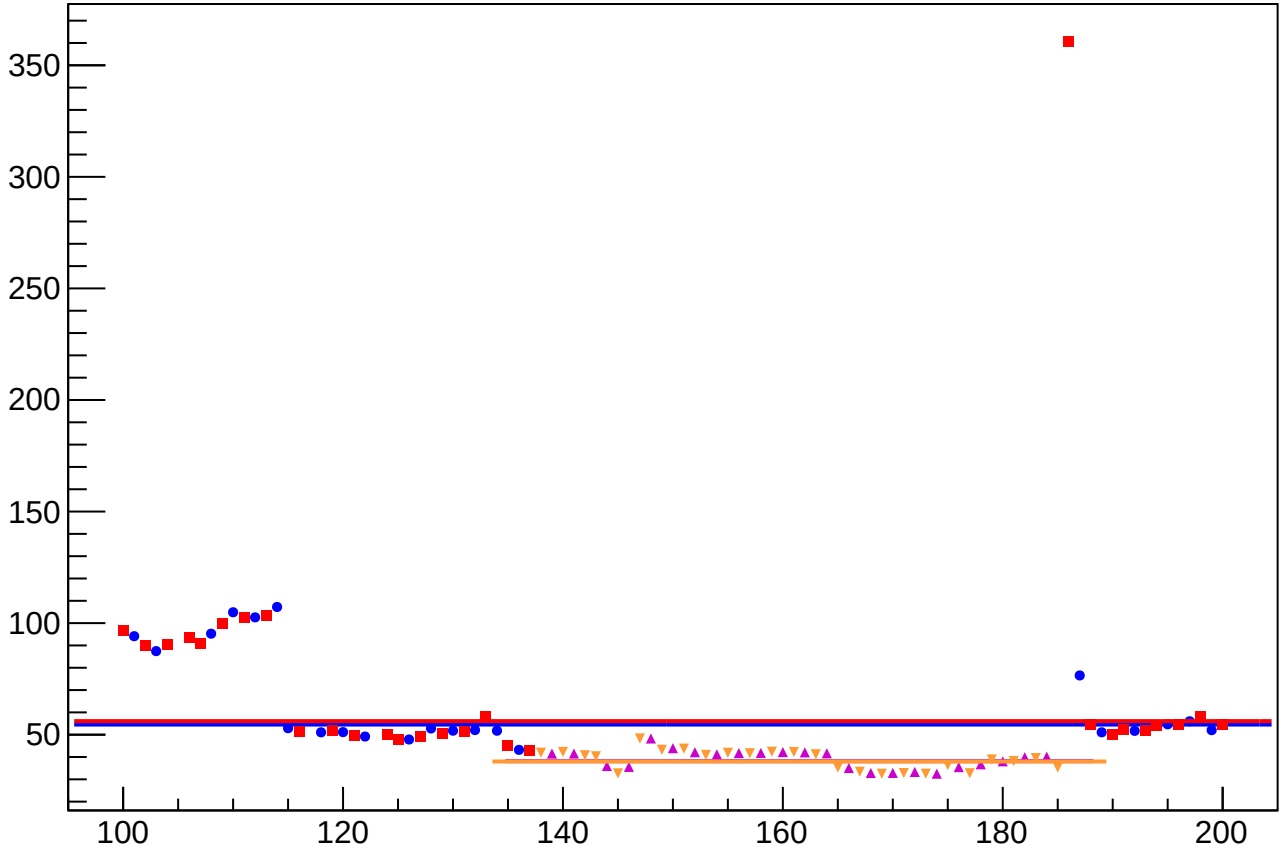
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 18.300+/-7.699 χ^2/NDF: 84.1/46

All: 7.778+/-5.479 χ^2/NDF: 151.6/97

- sign -3.021+/-7.800 χ^2/NDF: 63.7/50

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201072.9/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.086+/-0.011 χ^2/NDF: 1901291.4/27

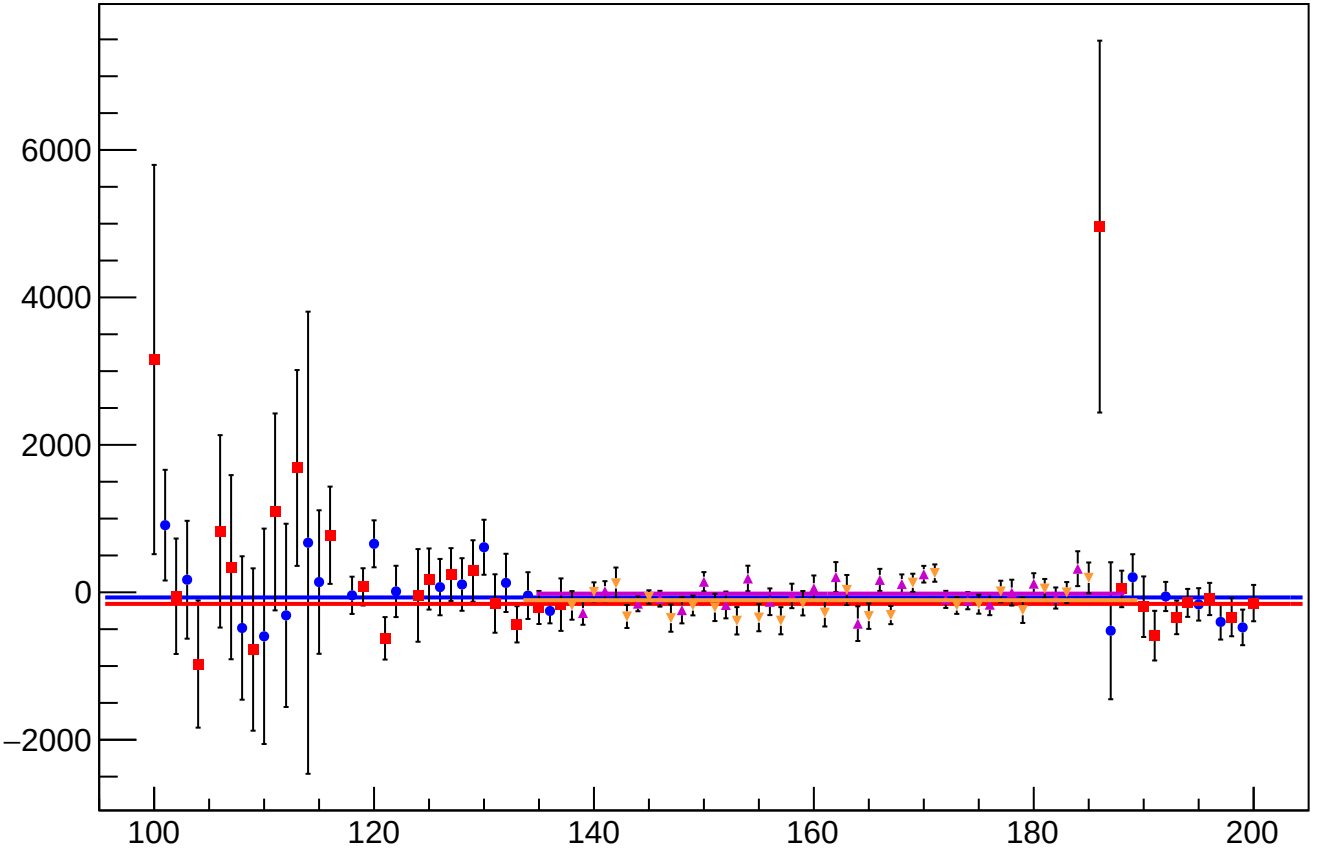
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.1/46

All: 42.044+/-0.004 χ^2/NDF: 7586572.5/97

- sign 42.525+/-0.006 χ^2/NDF: 4287836.4/50

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -69.546+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -157.075+/-64.638 χ^2/NDF: 23.8/27

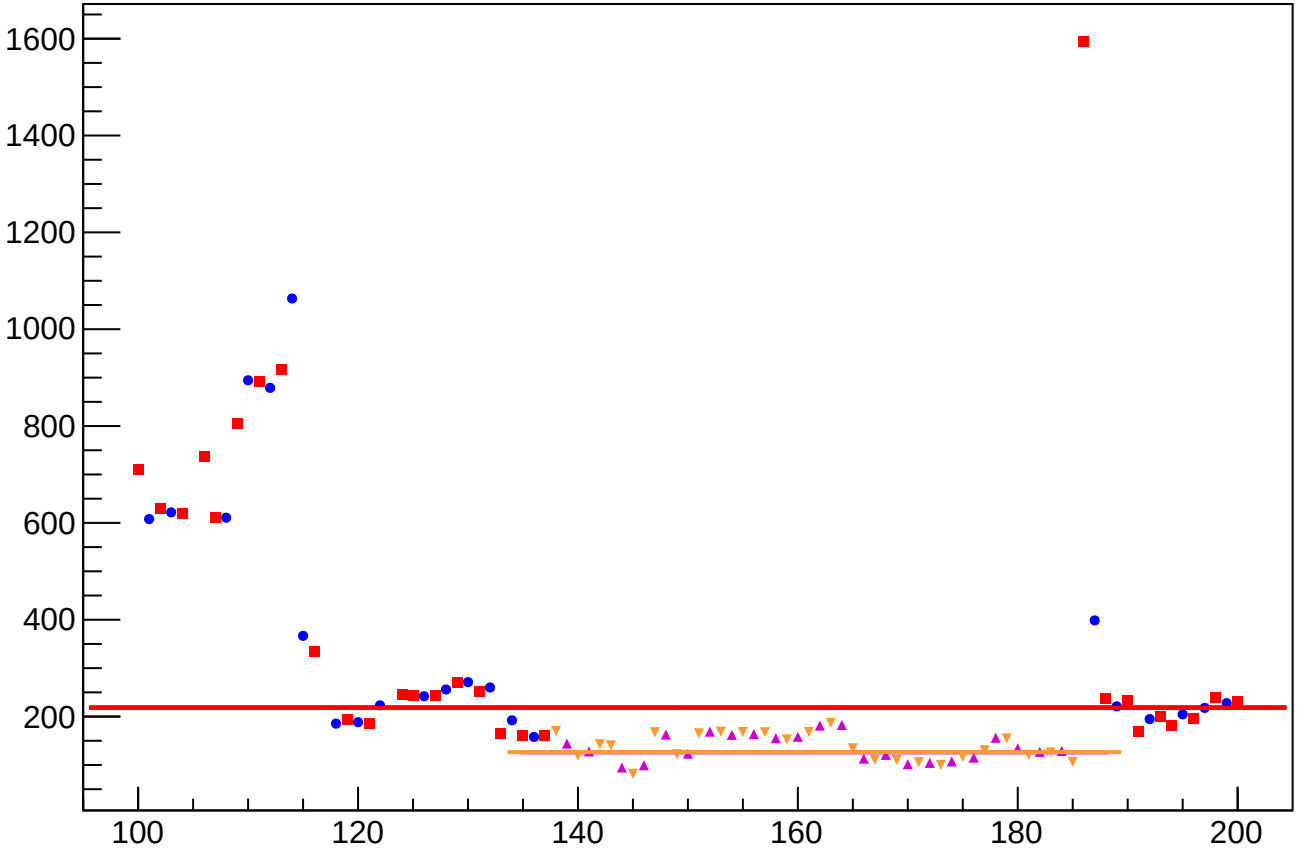
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -100.855+/-27.209 χ^2/NDF: 56.5/46

All: -71.829+/-19.289 χ^2/NDF: 114.7/97

- sign -42.503+/-27.350 χ^2/NDF: 55.9/50

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 219.091+/-0.049 χ^2/NDF: 3089874.2/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 217.805+/-0.046 χ^2/NDF: 4433444.4/27

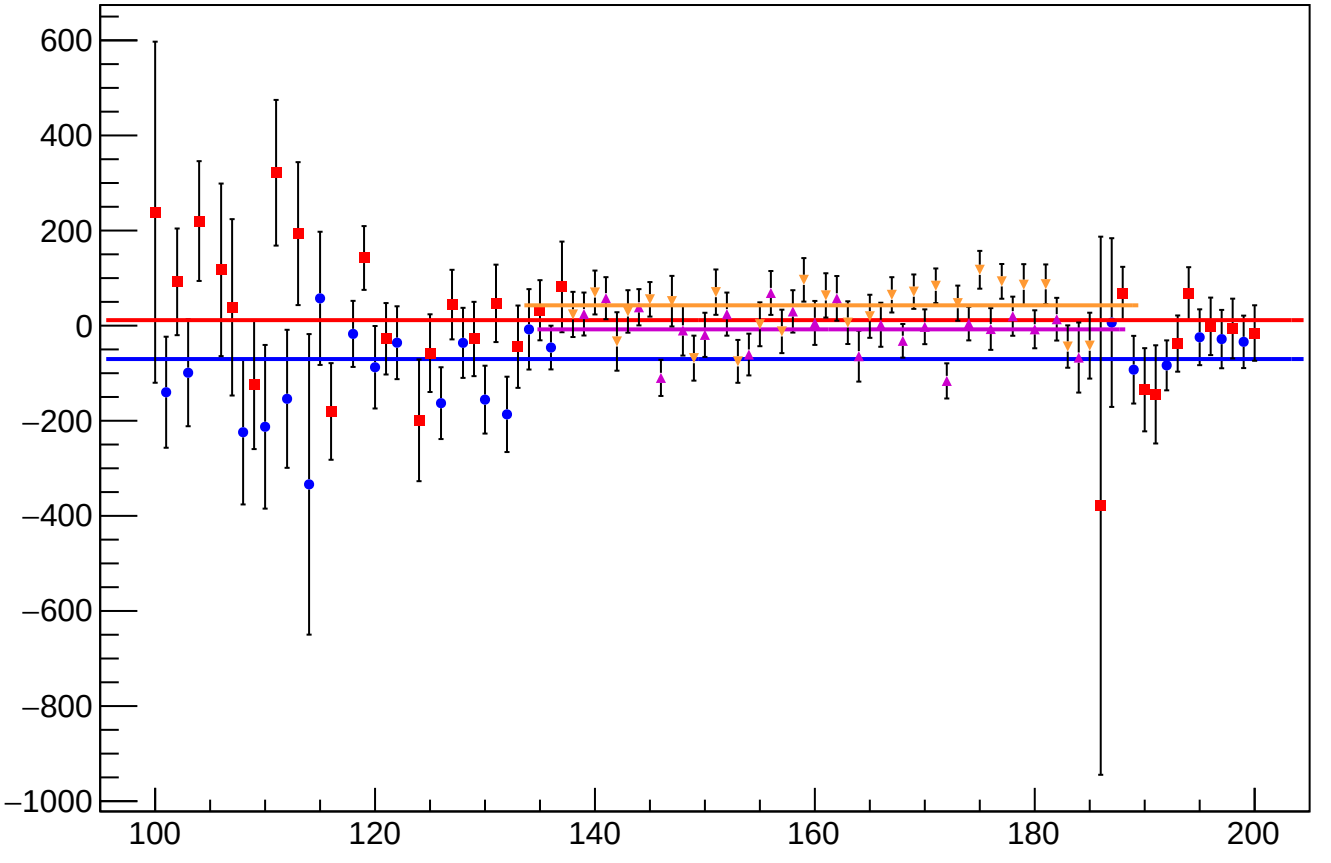
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843953.7/46

All: 141.574+/-0.014 χ^2/NDF: 17003317.6/97

- sign 142.447+/-0.019 χ^2/NDF: 9155306.4/50

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 11.602+/-15.770 χ^2/NDF: 31.9/27

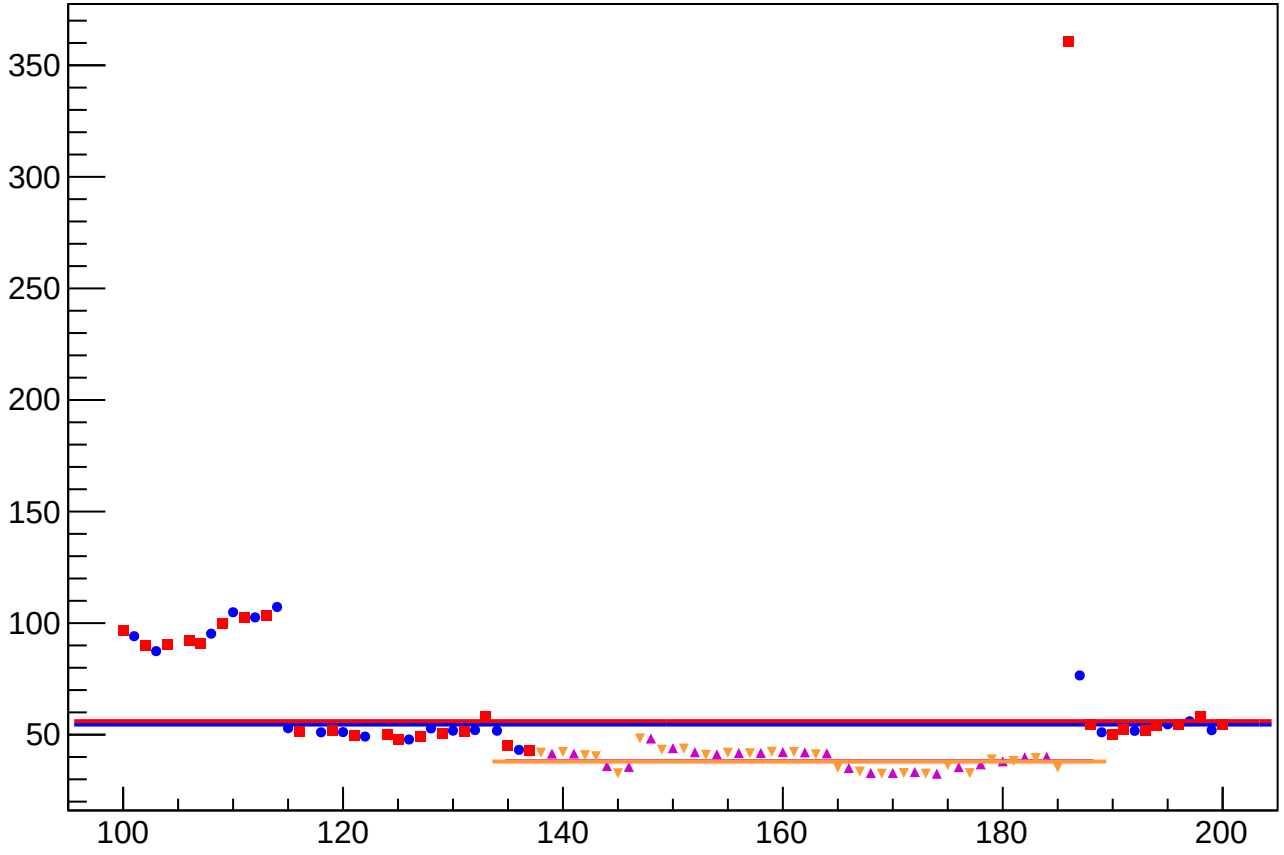
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 18.302+/-7.699 χ^2/NDF: 84.1/46

All: 7.769+/-5.479 χ^2/NDF: 151.5/97

- sign -3.042+/-7.800 χ^2/NDF: 63.6/50

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

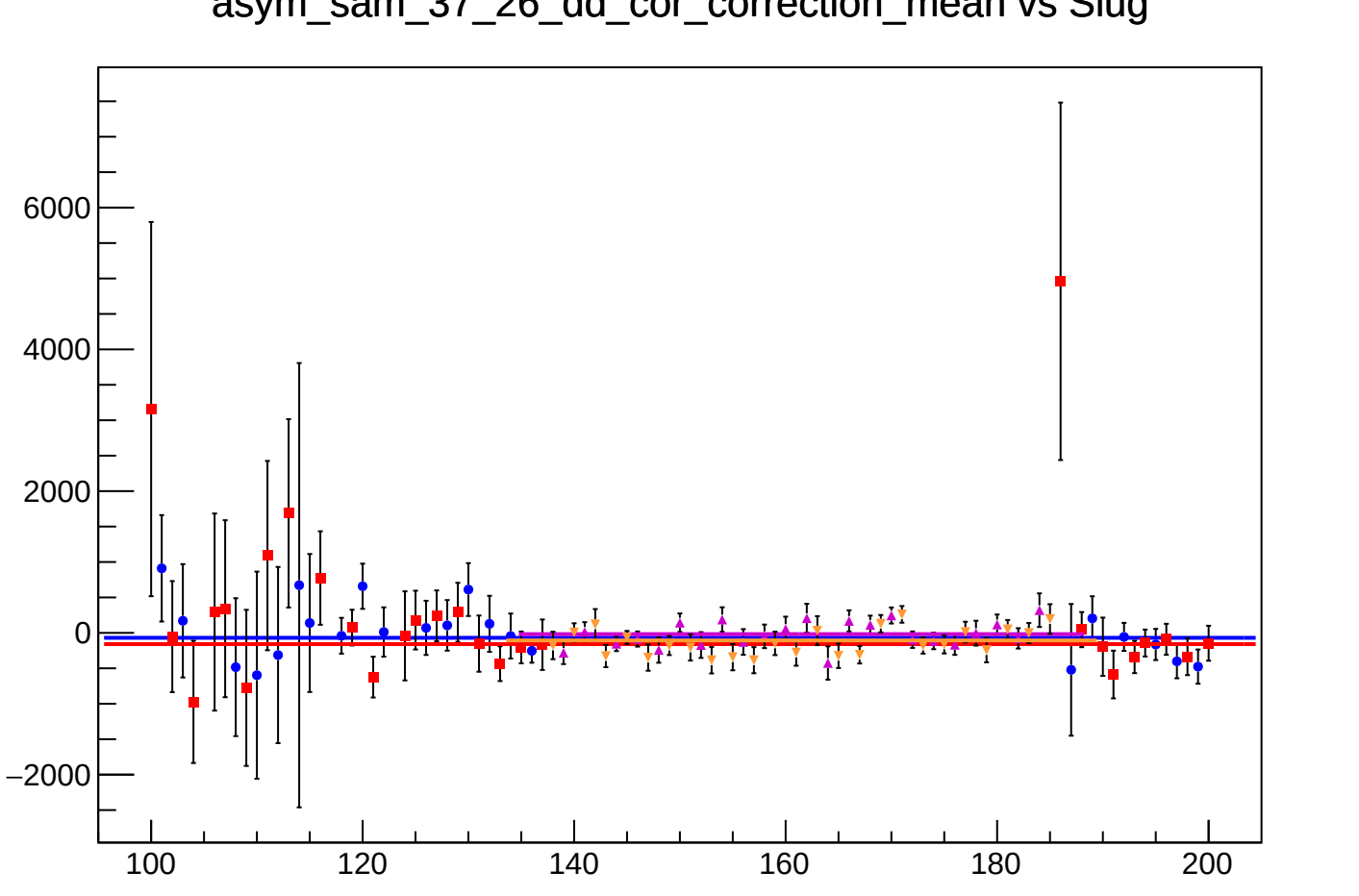
Right Out: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.3/46

All: 42.042+/-0.004 χ^2/NDF: 7575311.3/97

- sign 42.521+/-0.006 χ^2/NDF: 4276700.5/50



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -158.497+/-64.648 χ^2/NDF: 23.4/27

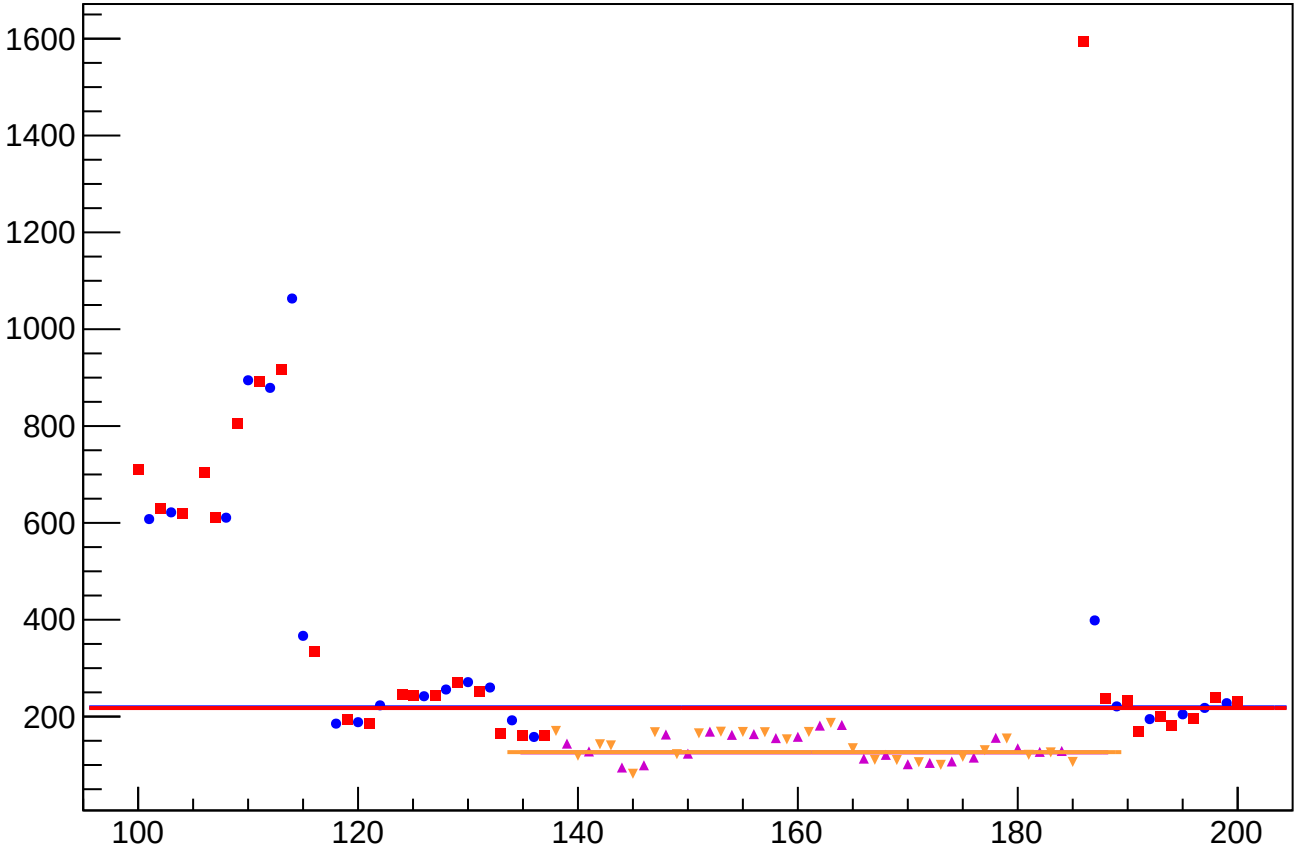
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -100.853+/-27.209 χ^2/NDF: 56.5/46

All: -71.953+/-19.290 χ^2/NDF: 114.3/97

- sign -42.751+/-27.351 χ^2/NDF: 55.5/50

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

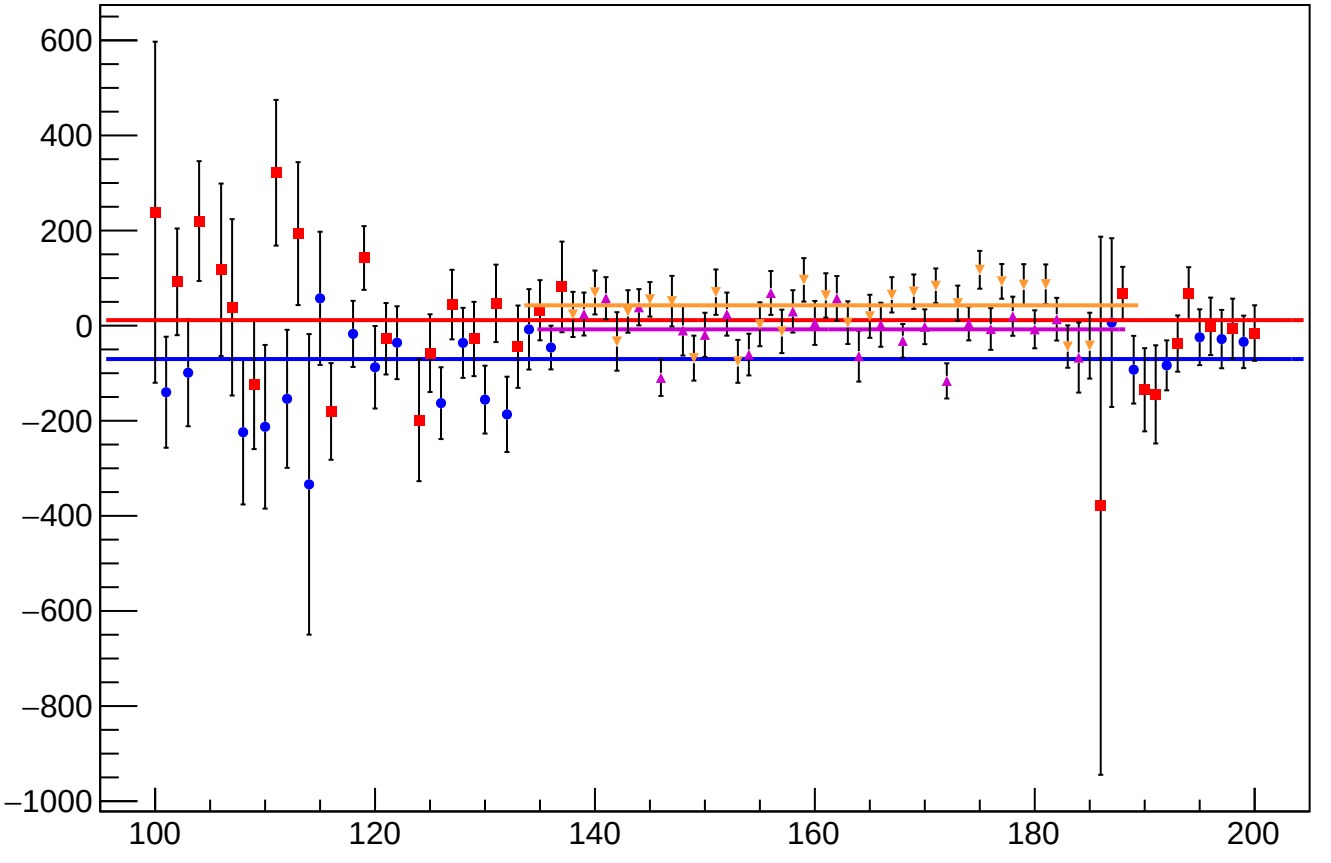
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843948.6/46

All: 141.552+/-0.014 χ^2/NDF: 16915699.5/97

- sign 142.404+/-0.019 χ^2/NDF: 9067895.2/50

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 11.602+/-15.770 χ^2/NDF: 31.9/27

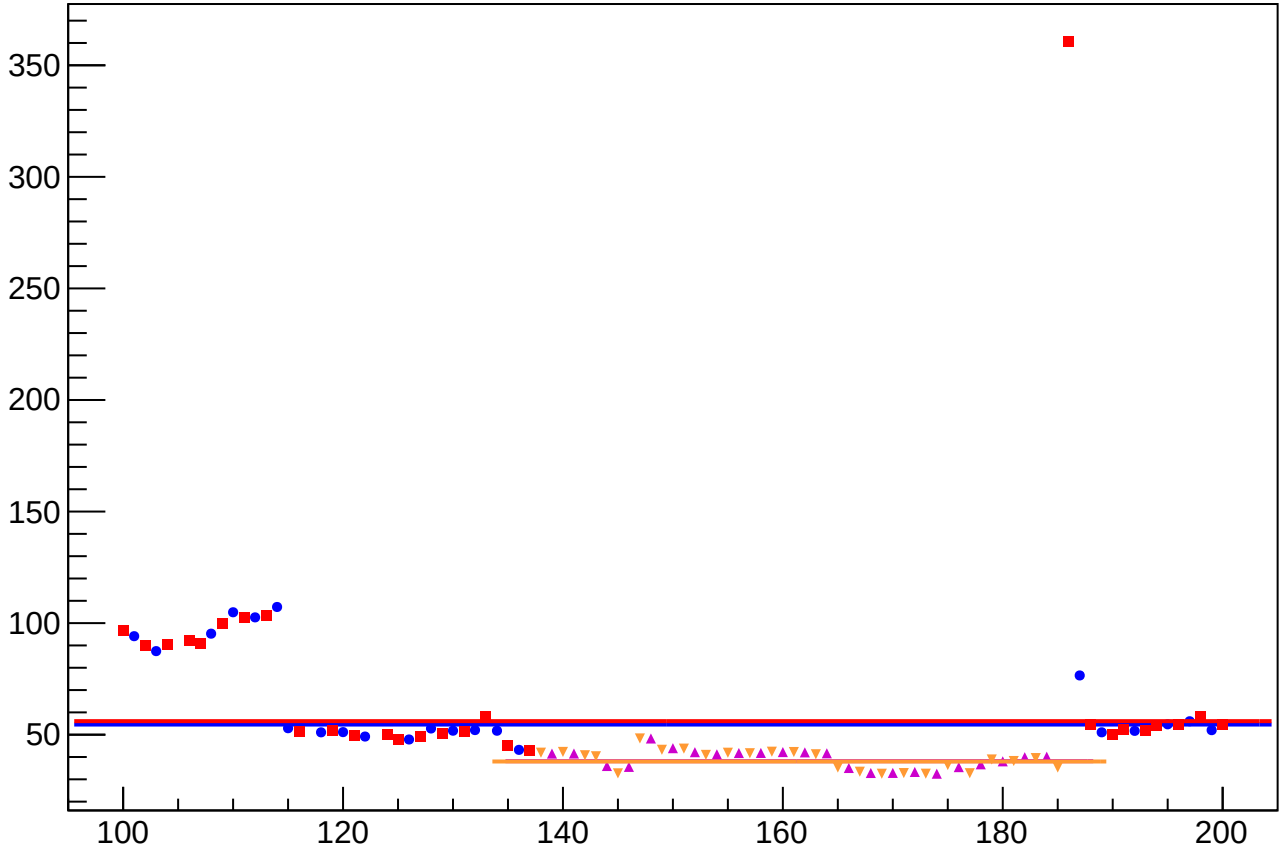
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 18.302+/-7.699 χ^2/NDF: 84.1/46

All: 7.769+/-5.479 χ^2/NDF: 151.5/97

- sign -3.042+/-7.800 χ^2/NDF: 63.6/50

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

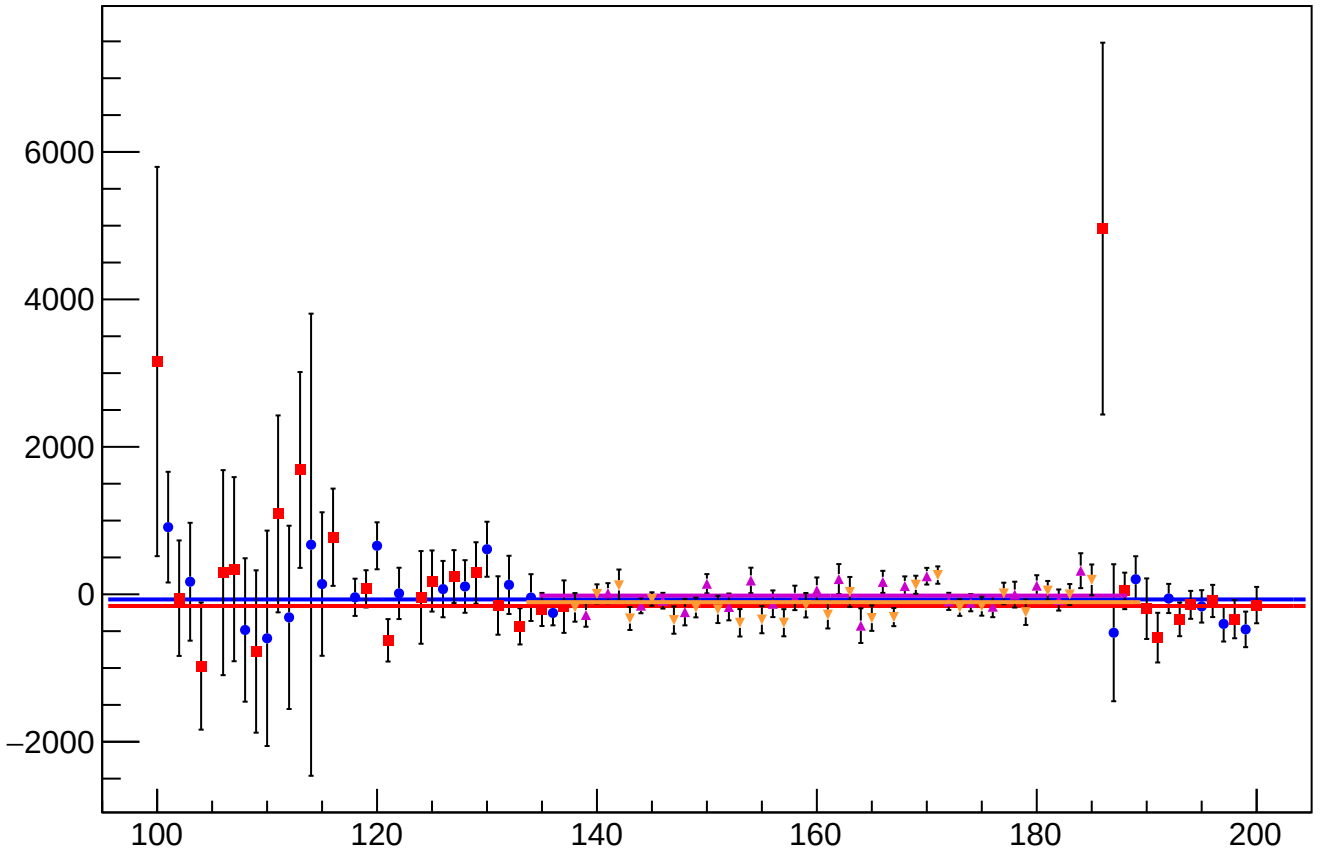
Right Out: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.3/46

All: 42.042+/-0.004 χ^2/NDF: 7575311.3/97

- sign 42.521+/-0.006 χ^2/NDF: 4276700.5/50



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

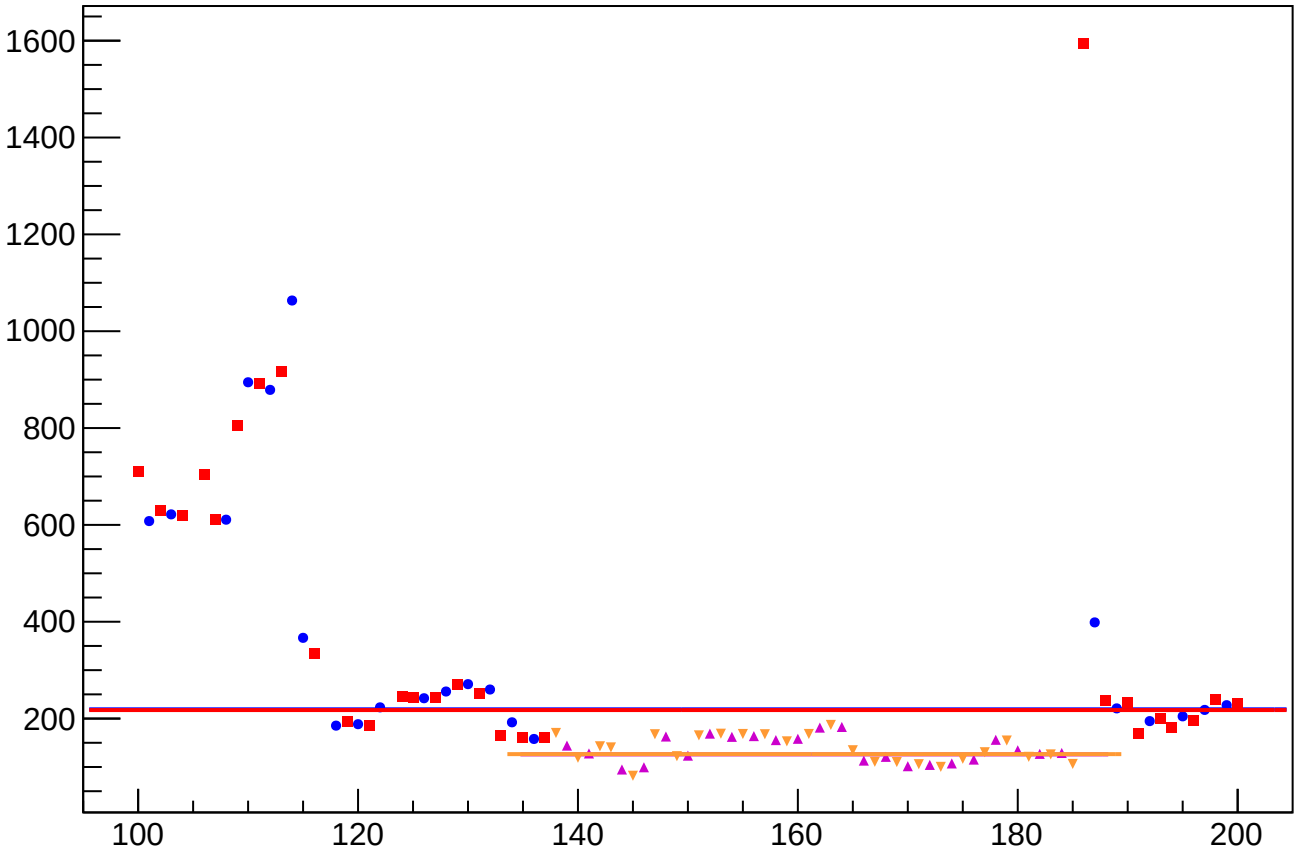
Right Out: -158.497+/-64.648 χ^2/NDF: 23.4/27

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -100.853+/-27.209 χ^2/NDF: 56.5/46

All: -71.953+/-19.290 χ^2/NDF: 114.3/97

- sign -42.751+/-27.351 χ^2/NDF: 55.5/50



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

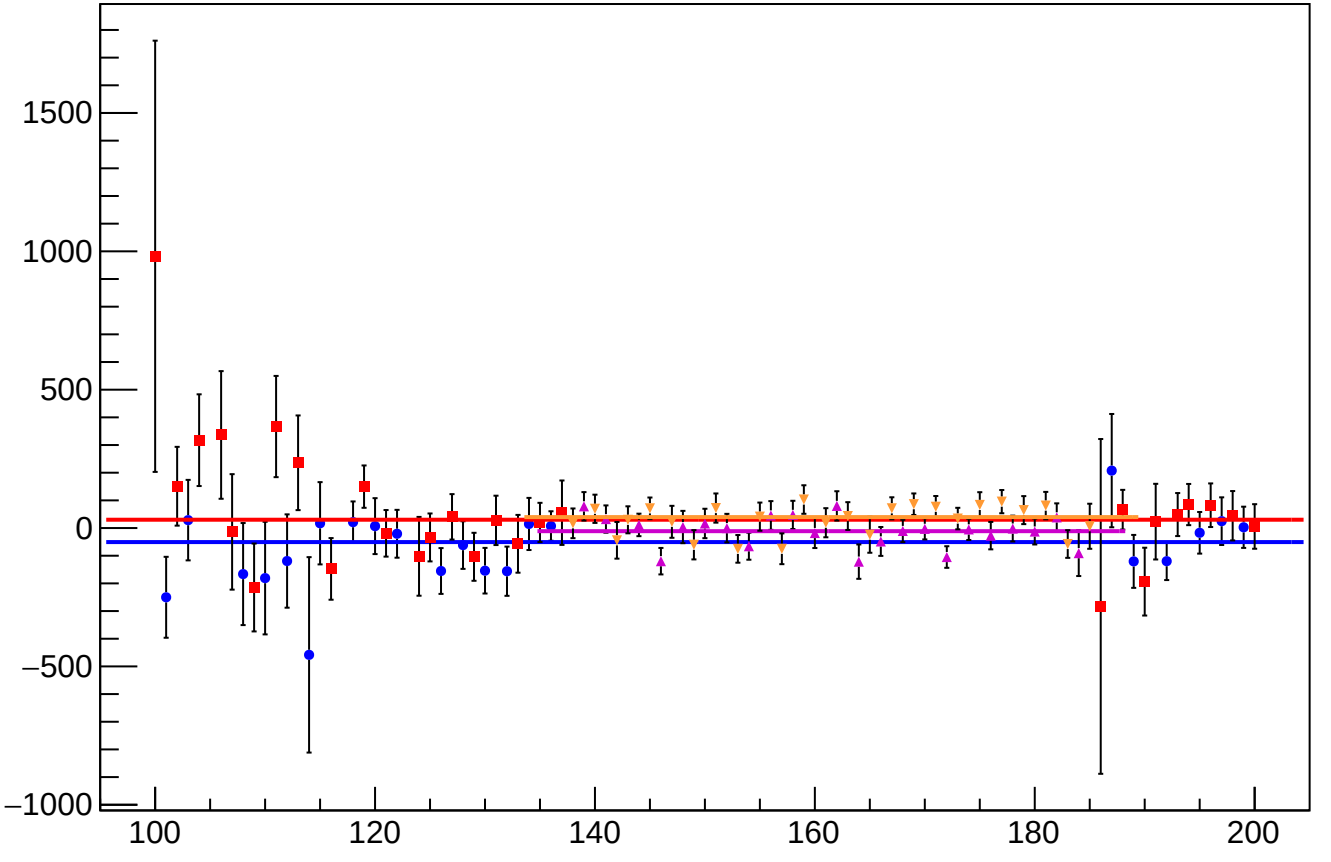
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843948.6/46

All: 141.552+/-0.014 χ^2/NDF: 16915699.5/97

- sign 142.404+/-0.019 χ^2/NDF: 9067895.2/50

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -50.709+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.074+/-19.303 χ^2/NDF: 29.2/27

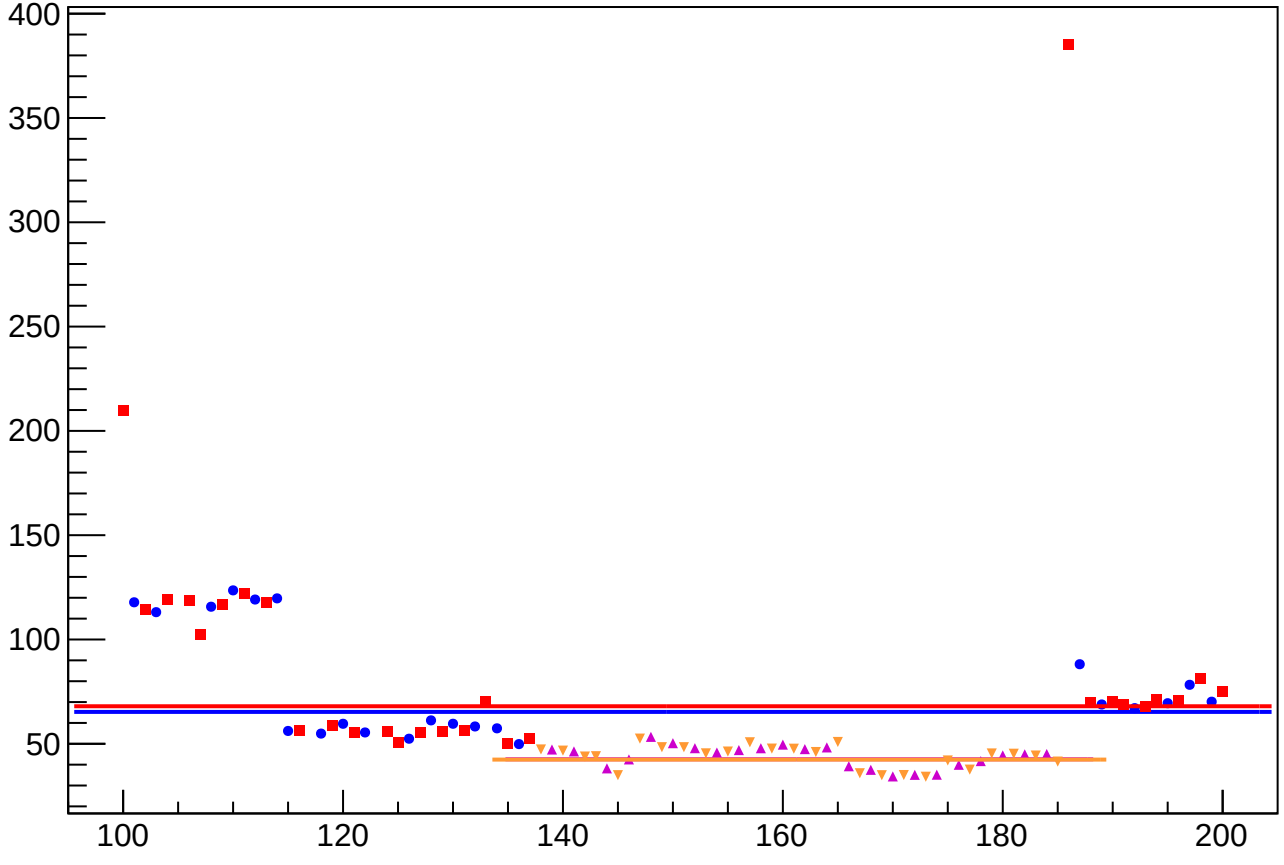
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.204+/-8.758 χ^2/NDF: 63.0/46

All: 10.124+/-6.254 χ^2/NDF: 127.6/97

- sign -2.443+/-8.933 χ^2/NDF: 60.7/50

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.290+/-0.014 χ^2/NDF: 1464119.8/21

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.995+/-0.014 χ^2/NDF: 2244672.0/27

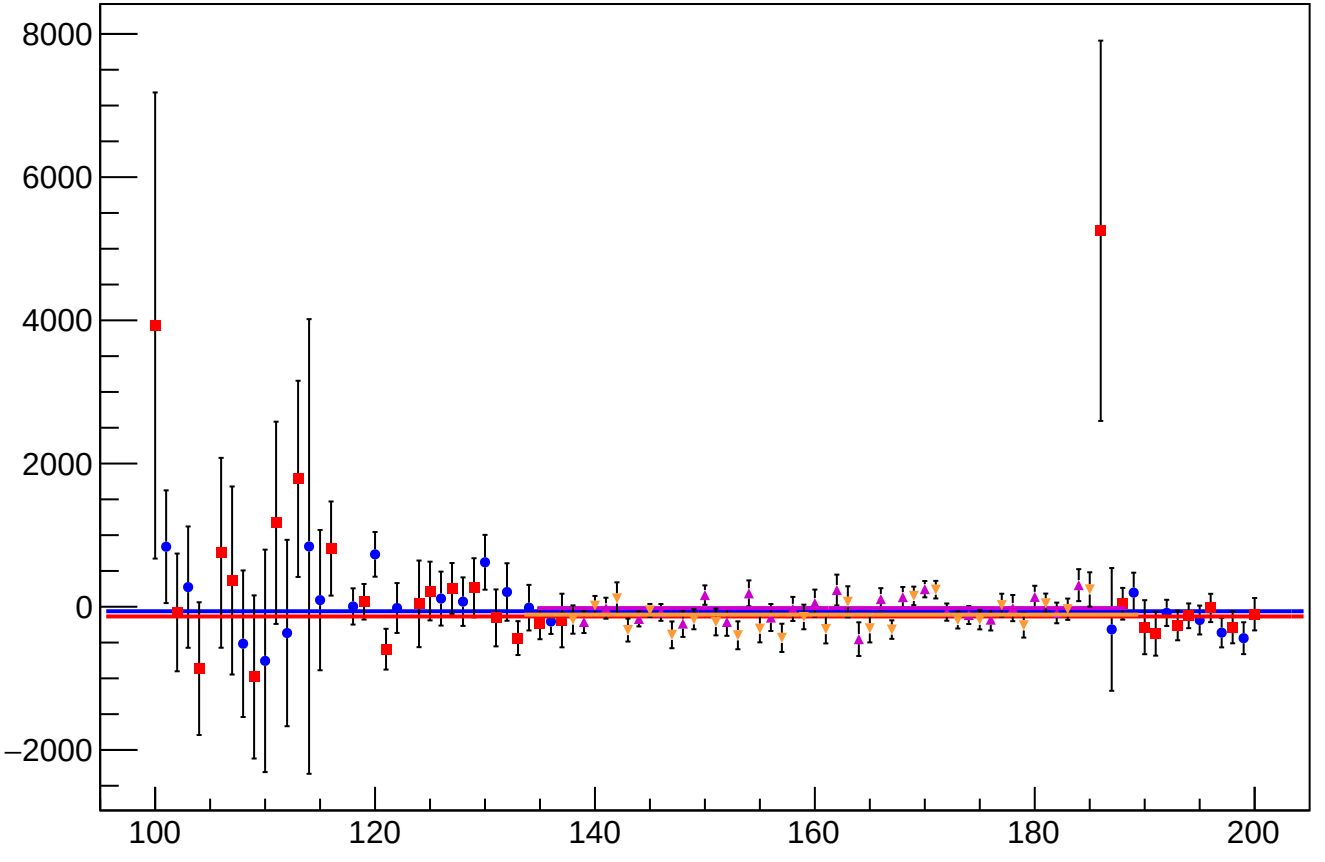
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.823+/-0.006 χ^2/NDF: 4279885.1/46

All: 47.411+/-0.004 χ^2/NDF: 9857694.9/97

- sign 48.022+/-0.006 χ^2/NDF: 5559422.5/50

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -62.938+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -135.614+/-60.627 χ^2/NDF: 23.1/27

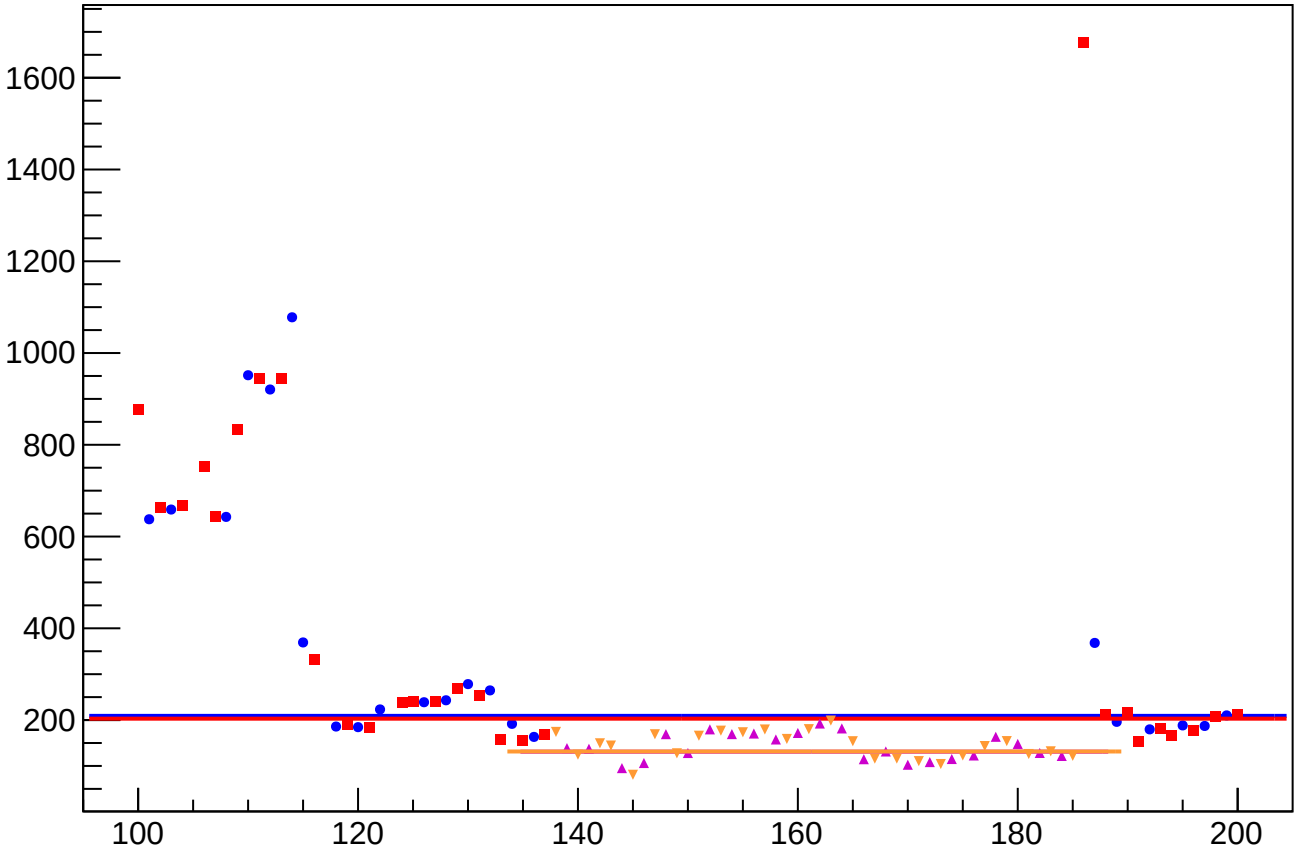
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -101.642+/-27.933 χ^2/NDF: 56.3/46

All: -72.640+/-19.753 χ^2/NDF: 111.7/97

- sign -43.632+/-27.936 χ^2/NDF: 53.2/50

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 209.135+/-0.047 χ^2/NDF: 3256186.8/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 203.036+/-0.043 χ^2/NDF: 4757796.5/27

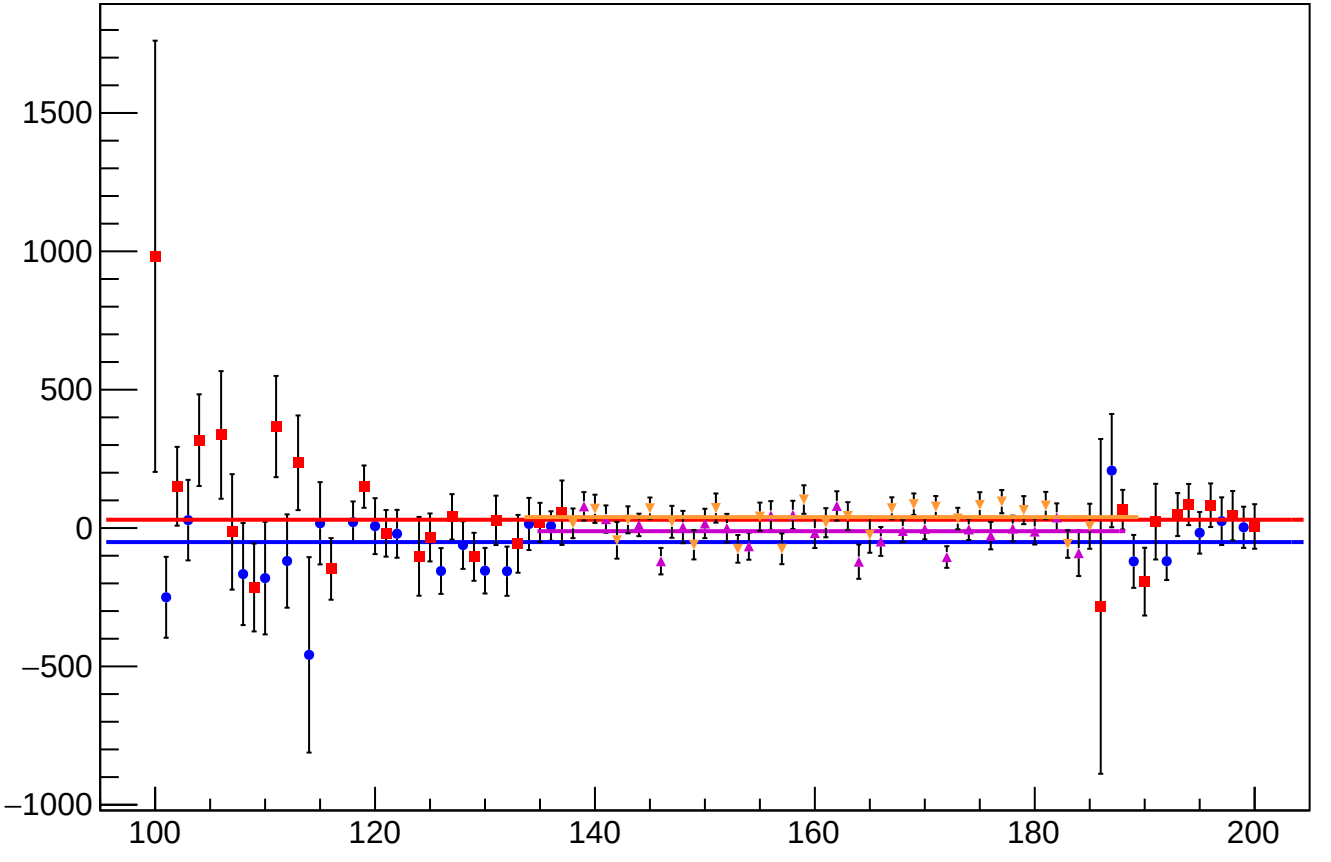
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 145.122+/-0.020 χ^2/NDF: 7391797.5/46

All: 145.737+/-0.014 χ^2/NDF: 15838818.2/97

- sign 146.353+/-0.020 χ^2/NDF: 8445078.9/50

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -50.710+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.075+/-19.303 χ^2/NDF: 29.2/27

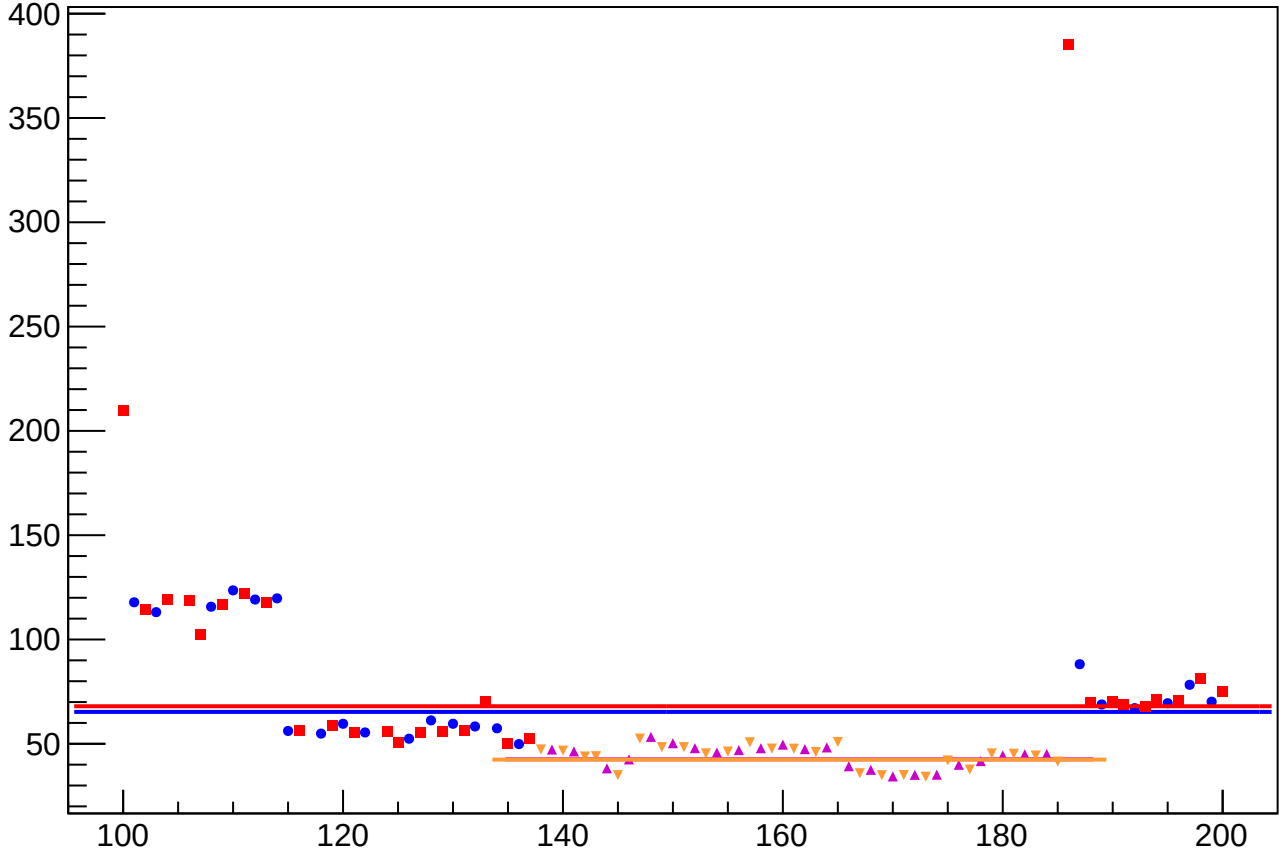
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.204+/-8.758 χ^2/NDF: 63.0/46

All: 10.124+/-6.254 χ^2/NDF: 127.6/97

- sign -2.443+/-8.933 χ^2/NDF: 60.7/50

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.290+/-0.014 χ^2/NDF: 1464124.4/21

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

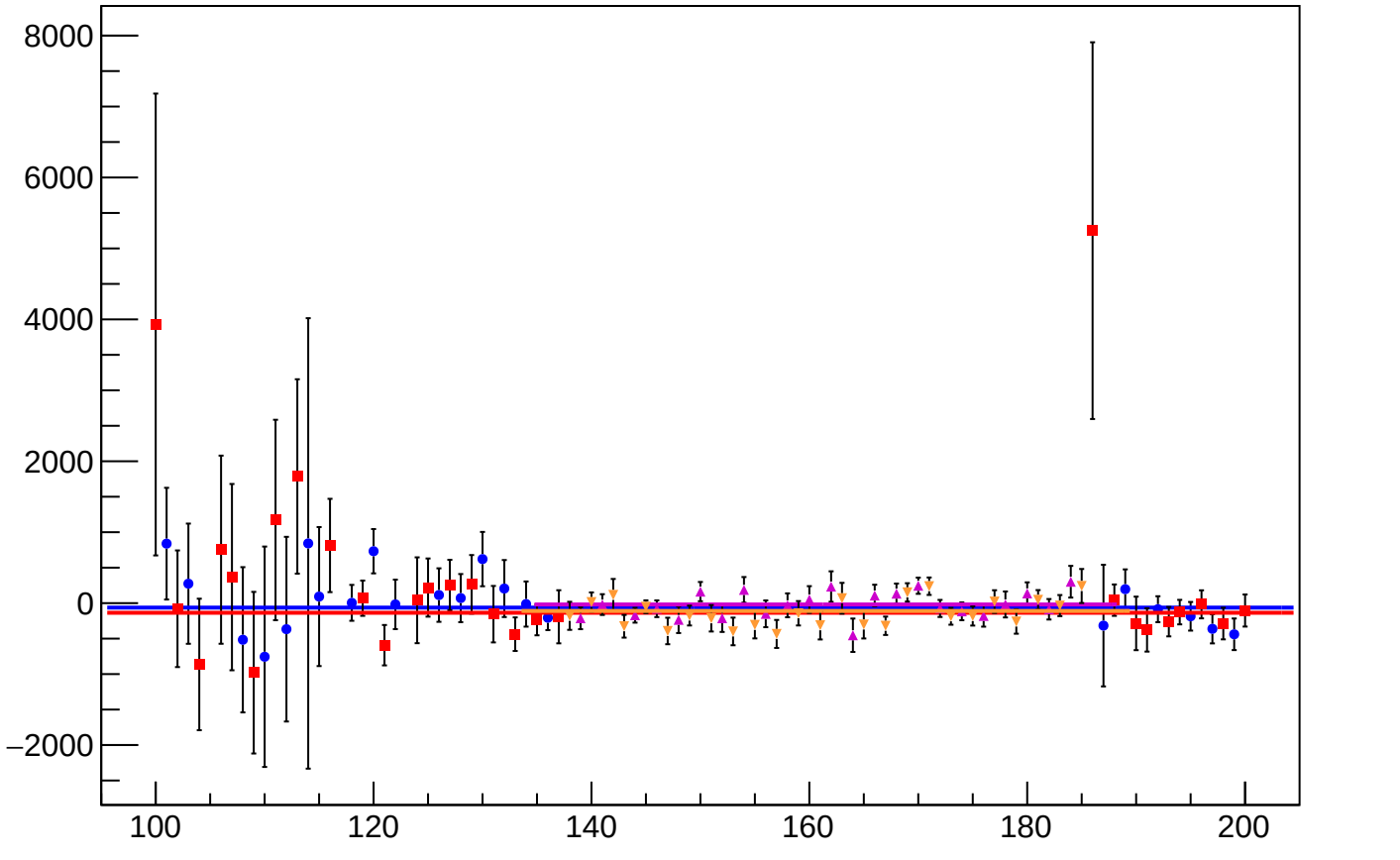
Right Out: 67.995+/-0.014 χ^2/NDF: 2244673.0/27

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.823+/-0.006 χ^2/NDF: 4279889.3/46

All: 47.411+/-0.004 χ^2/NDF: 9857702.2/97

- sign 48.022+/-0.006 χ^2/NDF: 5559422.6/50



Right In: -62.937+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

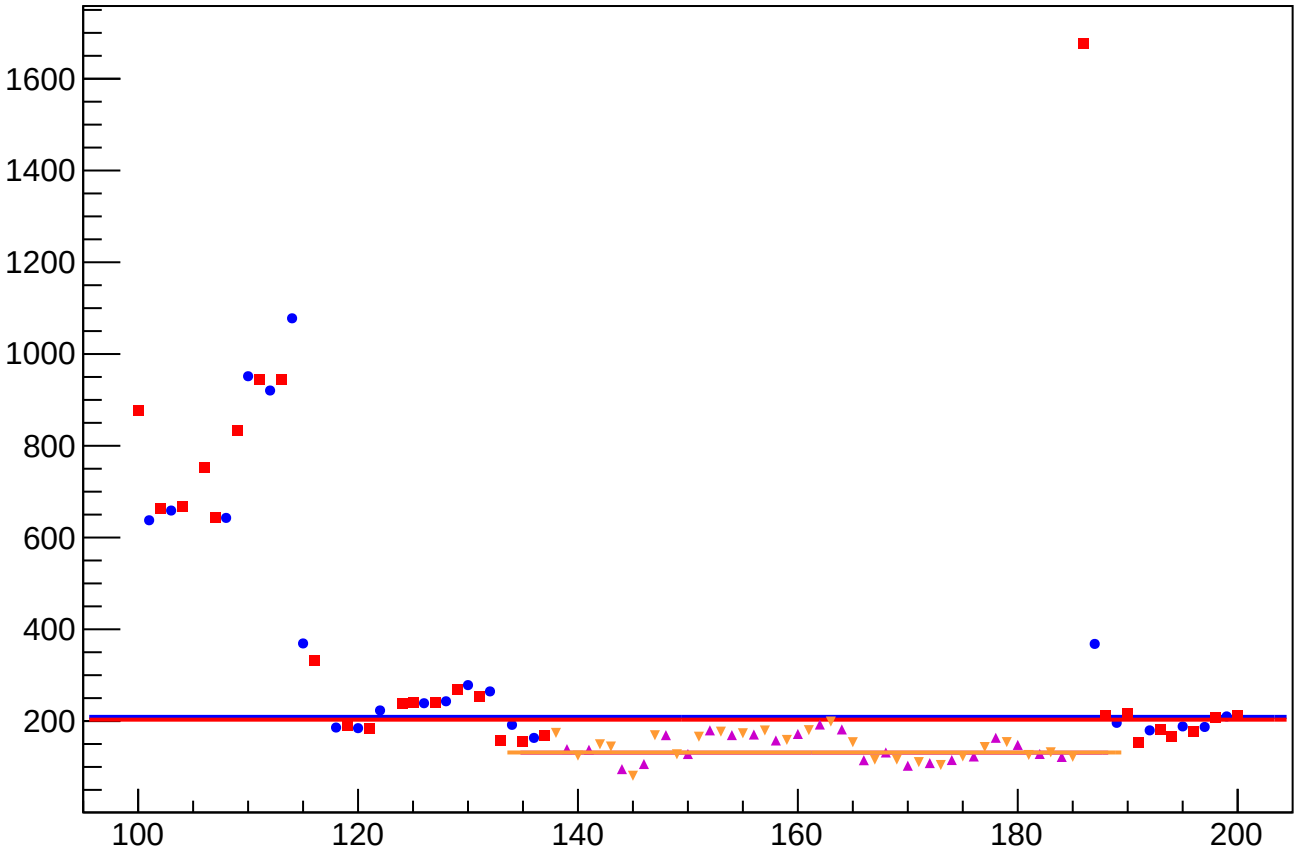
Right Out: -135.613+/-60.627 χ^2/NDF: 23.1/27

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -101.642+/-27.933 χ^2/NDF: 56.3/46

All: -72.640+/-19.753 χ^2/NDF: 111.7/97

- sign -43.632+/-27.936 χ^2/NDF: 53.2/50



Right In: 209.134+/-0.047 χ^2/NDF: 3256182.2/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 203.035+/-0.043 χ^2/NDF: 4757796.0/27

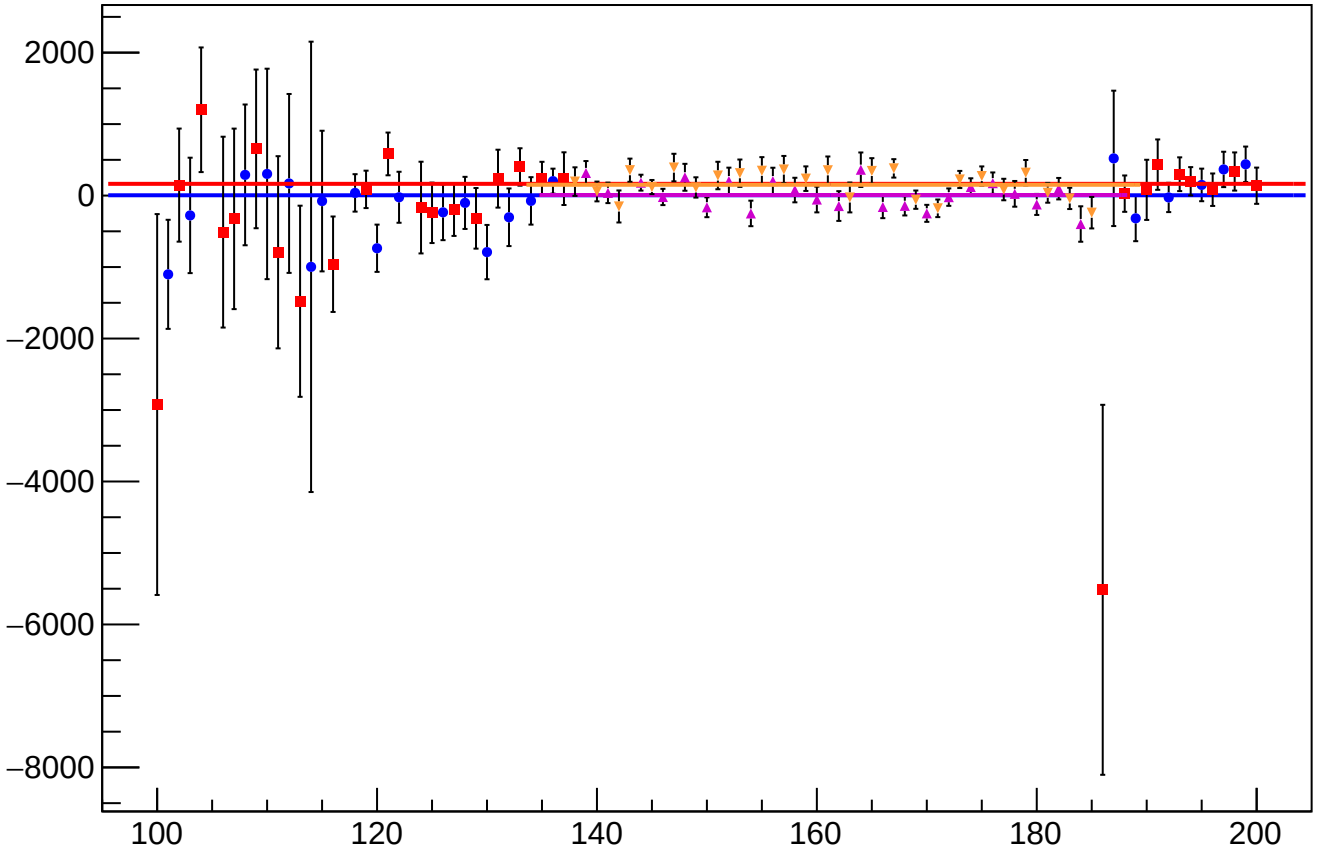
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 145.122+/-0.020 χ^2/NDF: 7391745.6/46

All: 145.737+/-0.014 χ^2/NDF: 15838733.4/97

- sign 146.353+/-0.020 χ^2/NDF: 8445046.1/50

asym_sam_37_26_dd_mean vs Slug



Right In: 4.327+/-71.820 χ^2/NDF: 21.2/21

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 164.236+/-66.901 χ^2/NDF: 21.4/27

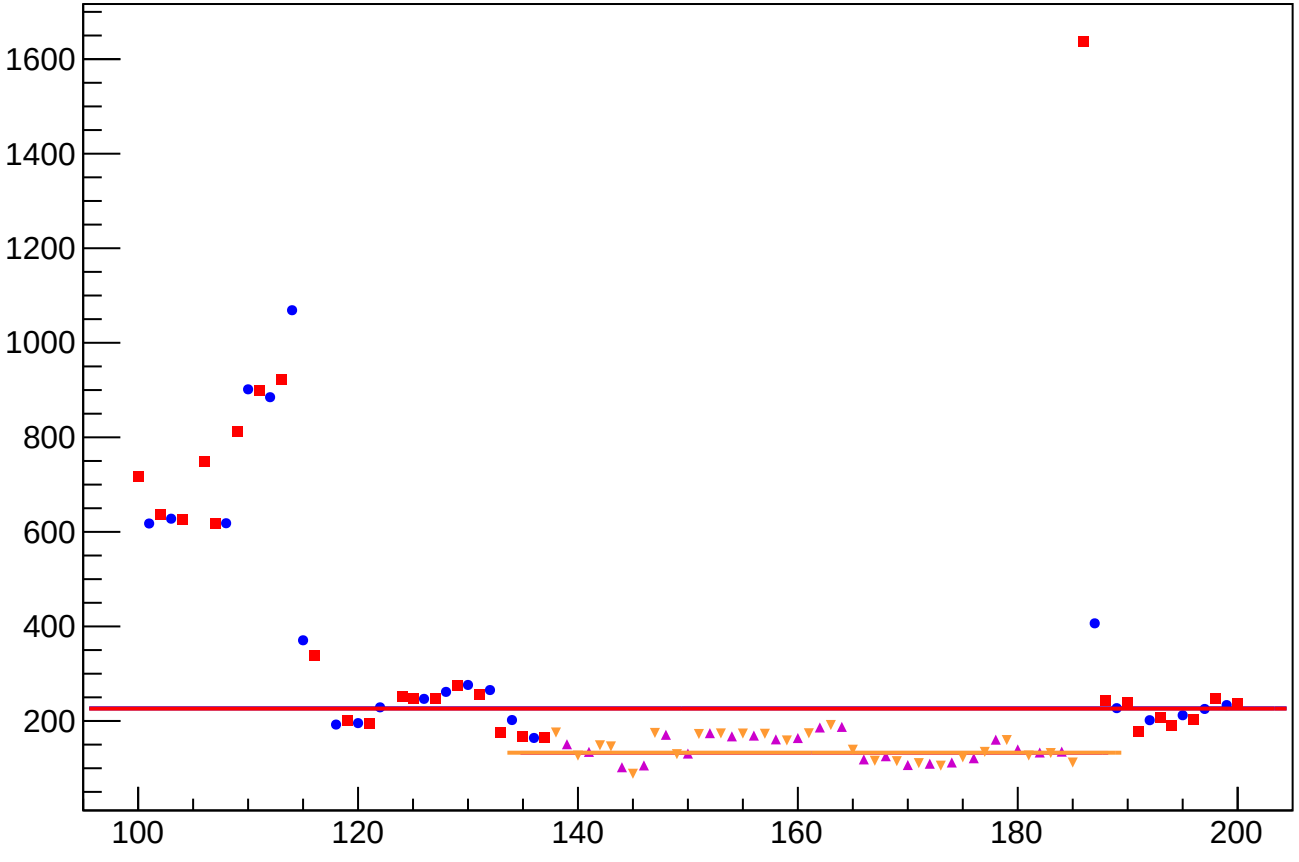
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 128.117+/-28.424 χ^2/NDF: 57.8/46

All: 82.563+/-20.157 χ^2/NDF: 118.3/97

- sign 36.482+/-28.589 χ^2/NDF: 55.3/50

asym_sam_37_26_dd_rms vs Slug



Right In: 226.700+/-0.051 χ^2/NDF: 3003578.6/21

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

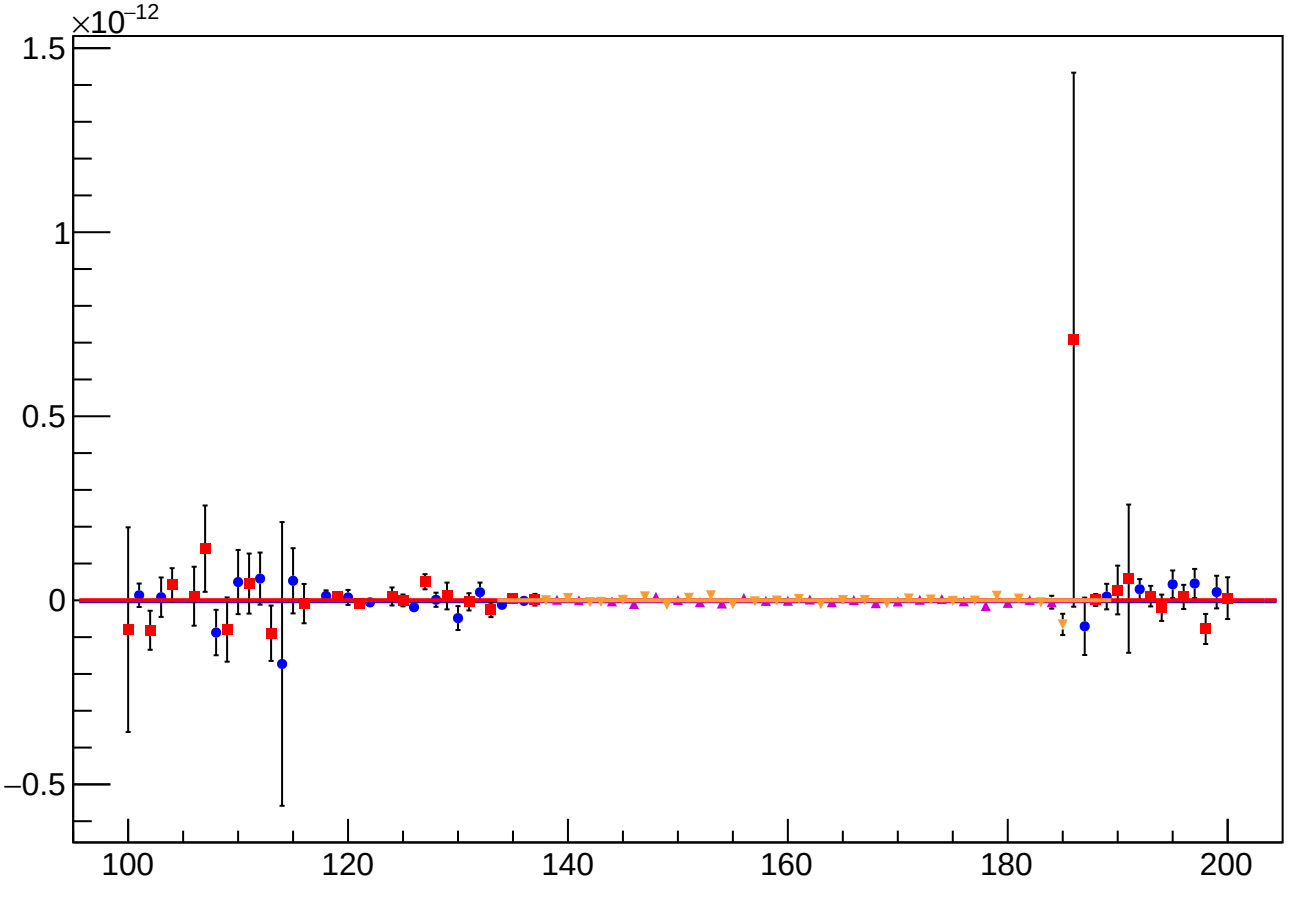
Right Out: 226.152+/-0.047 χ^2/NDF: 4300714.2/27

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 147.572+/-0.020 χ^2/NDF: 7474514.5/46

All: 148.517+/-0.014 χ^2/NDF: 16271787.0/97

- sign 149.472+/-0.020 χ^2/NDF: 8792829.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

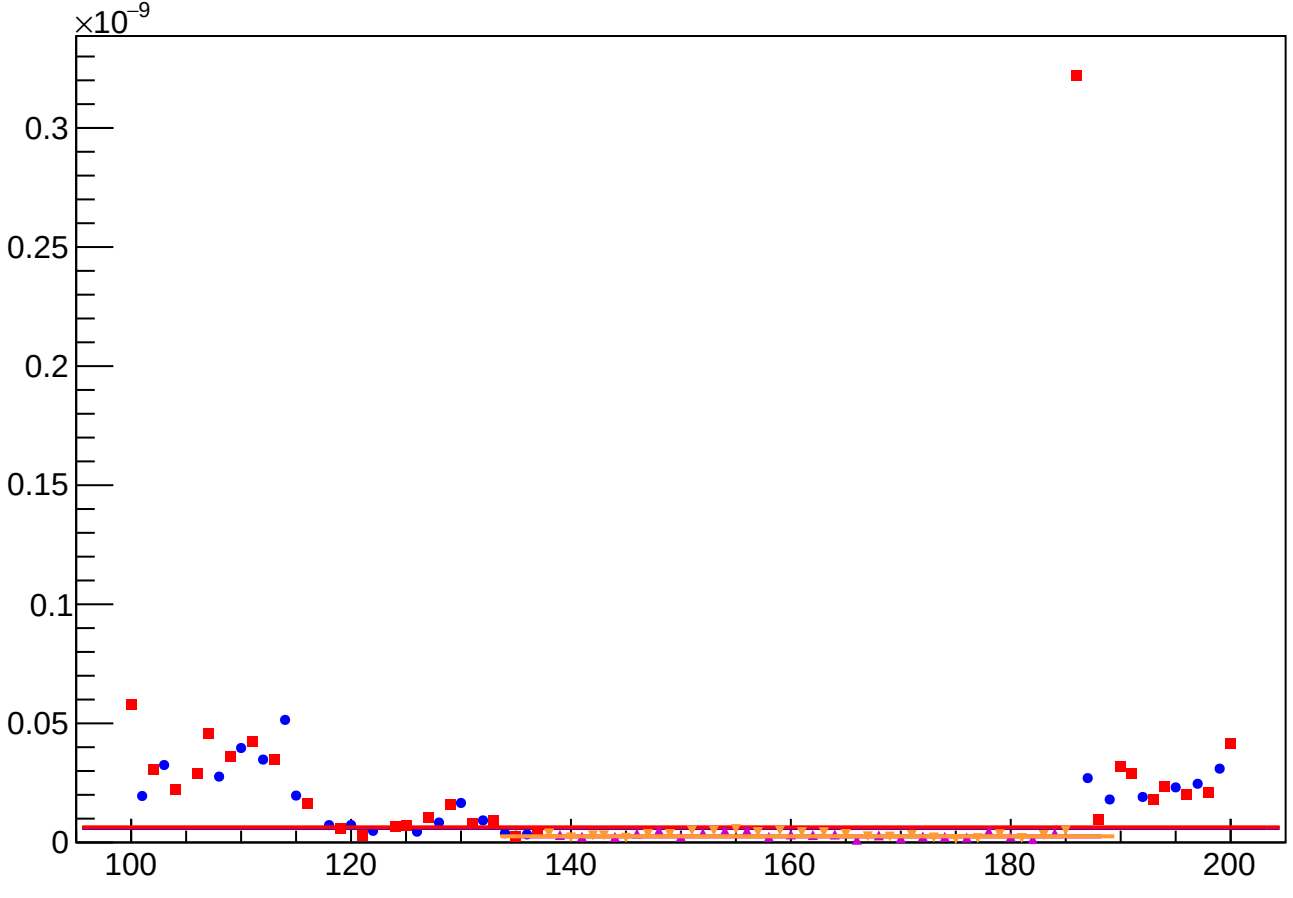
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/27

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/46

All: -0.000+/-0.000 χ^2/NDF: 89.3/97

- sign -0.000+/-0.000 χ^2/NDF: 38.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5057013.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6410797.5/27

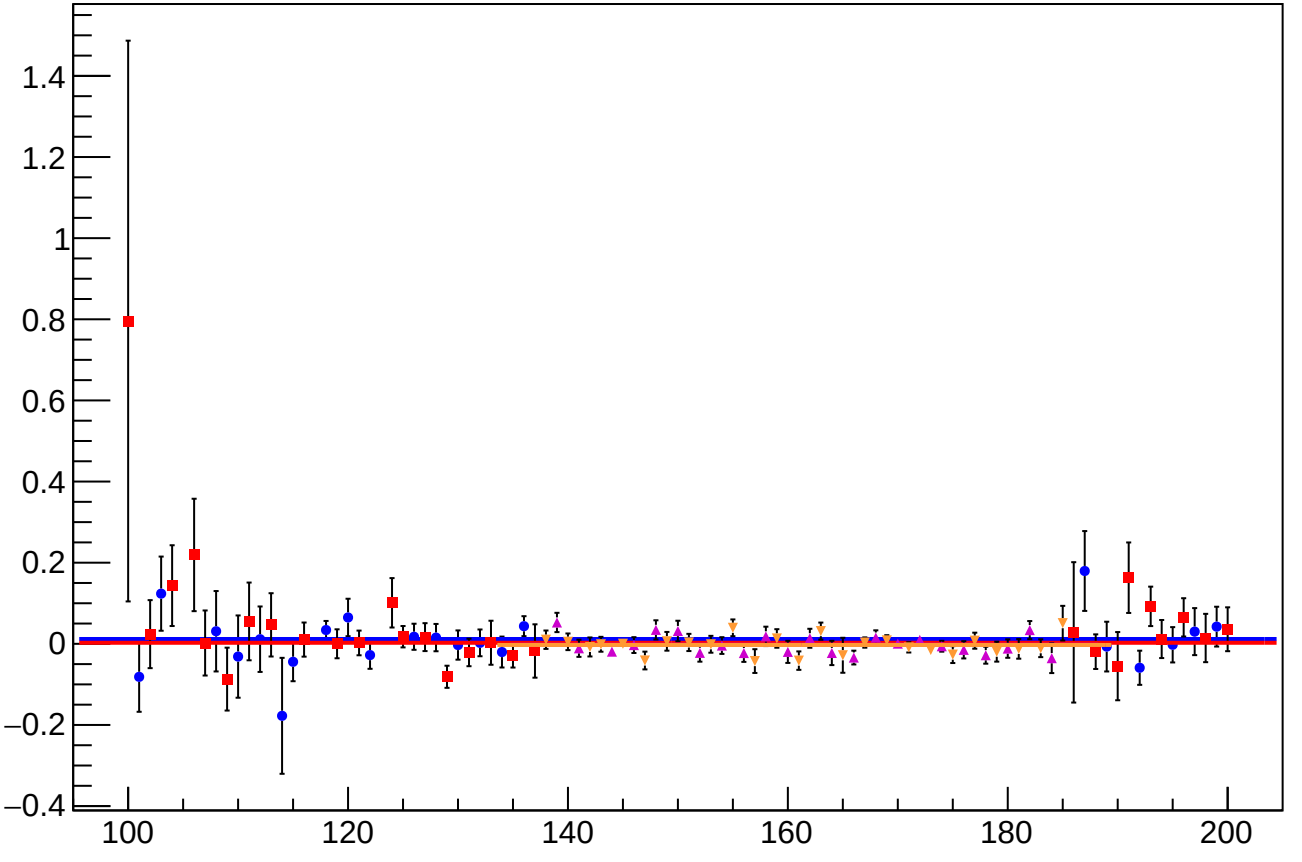
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8992698.1/46

All: 0.000+/-0.000 χ^2/NDF: 18872387.8/97

- sign 0.000+/-0.000 χ^2/NDF: 9878640.3/50

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

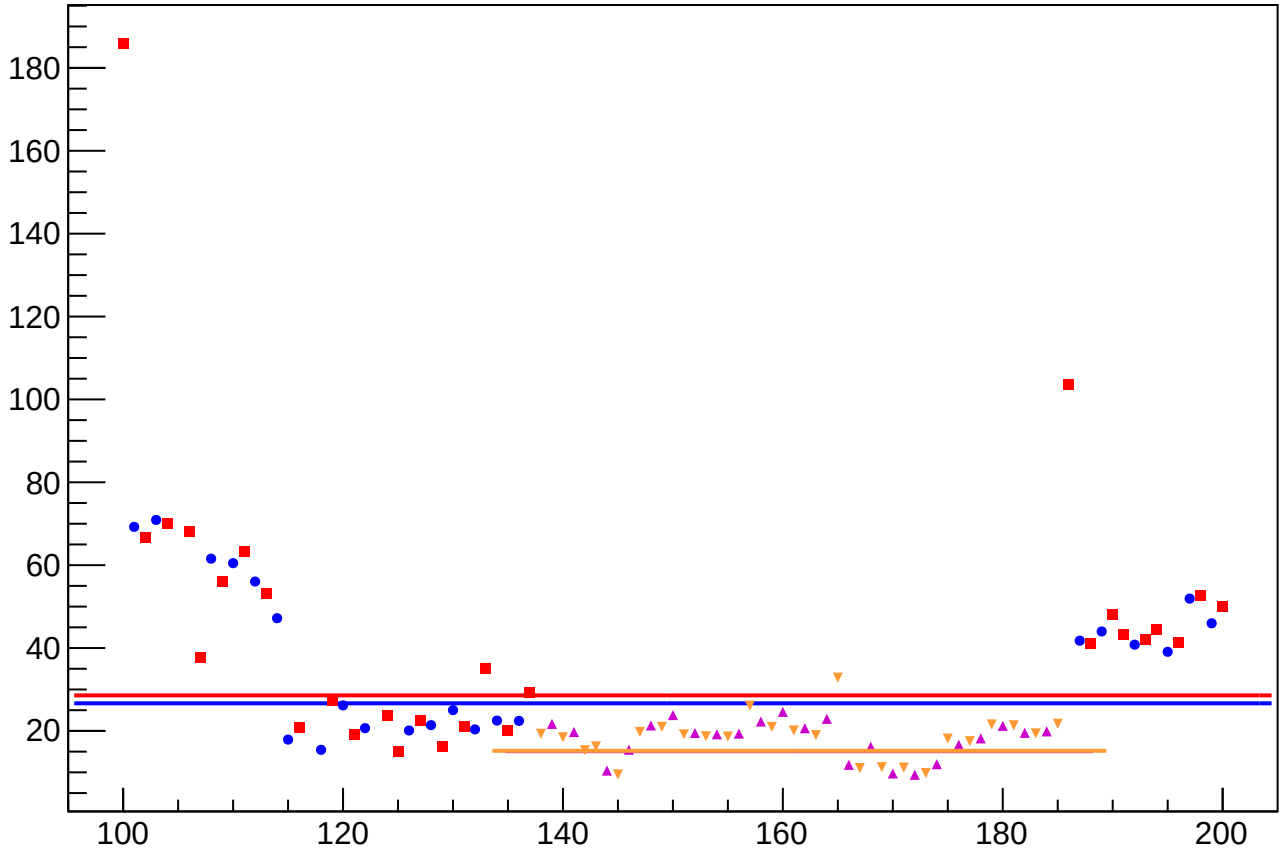
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 103.0/97

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

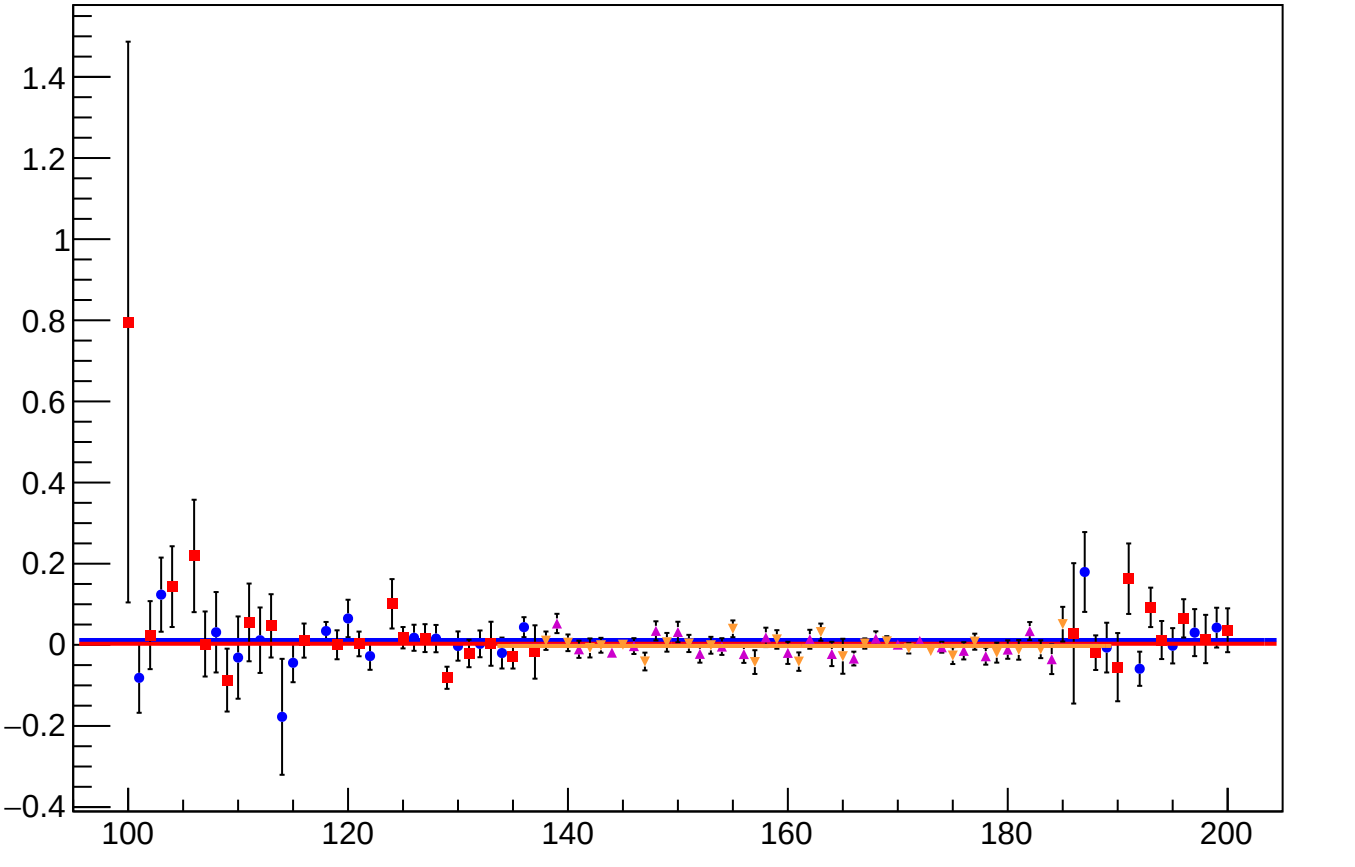
Right Out: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189246.6/46

All: 17.046+/-0.002 χ^2/NDF: 22700777.6/97

- sign 17.222+/-0.002 χ^2/NDF: 12501747.0/50



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

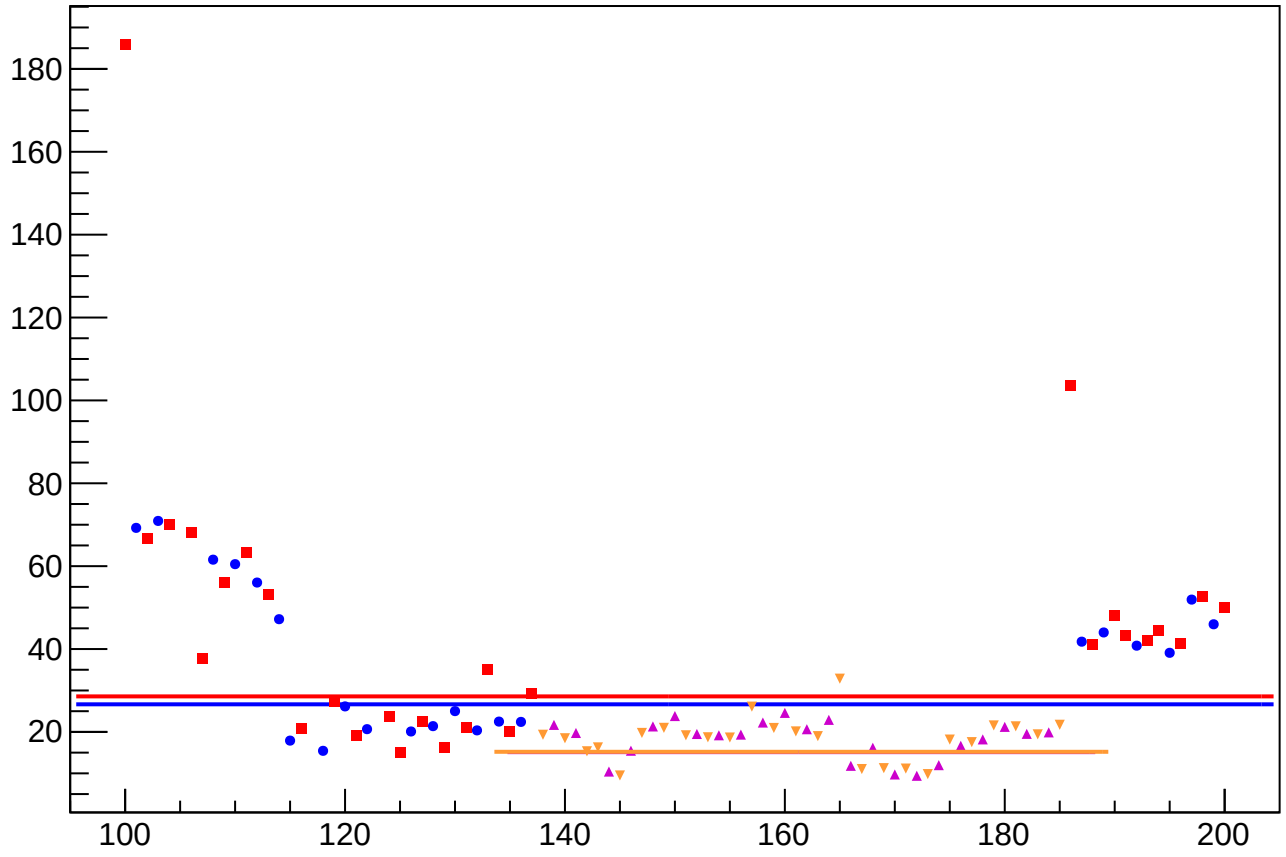
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 103.0/97

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

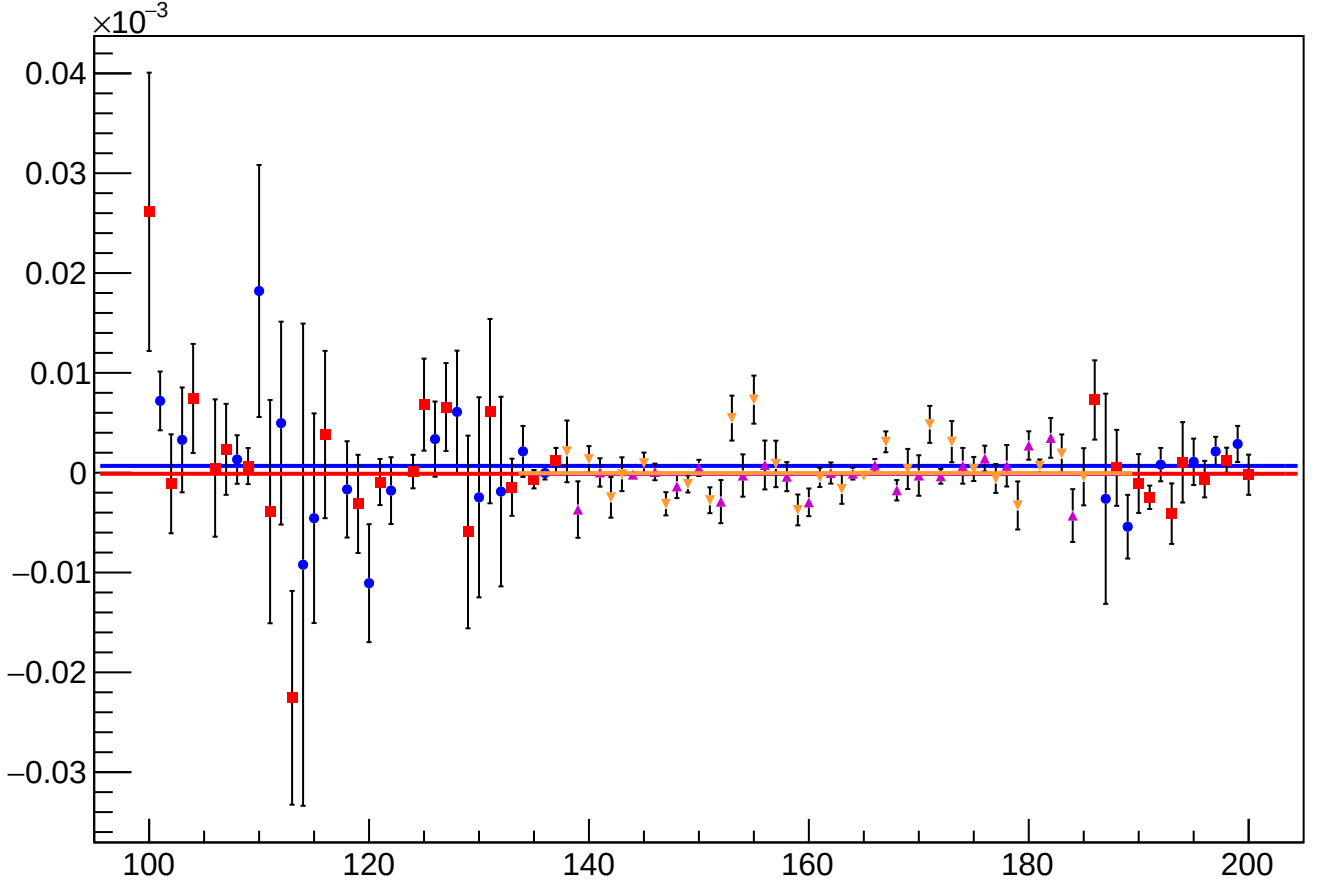
Right Out: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189246.6/46

All: 17.046+/-0.002 χ^2/NDF: 22700777.6/97

- sign 17.222+/-0.002 χ^2/NDF: 12501747.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

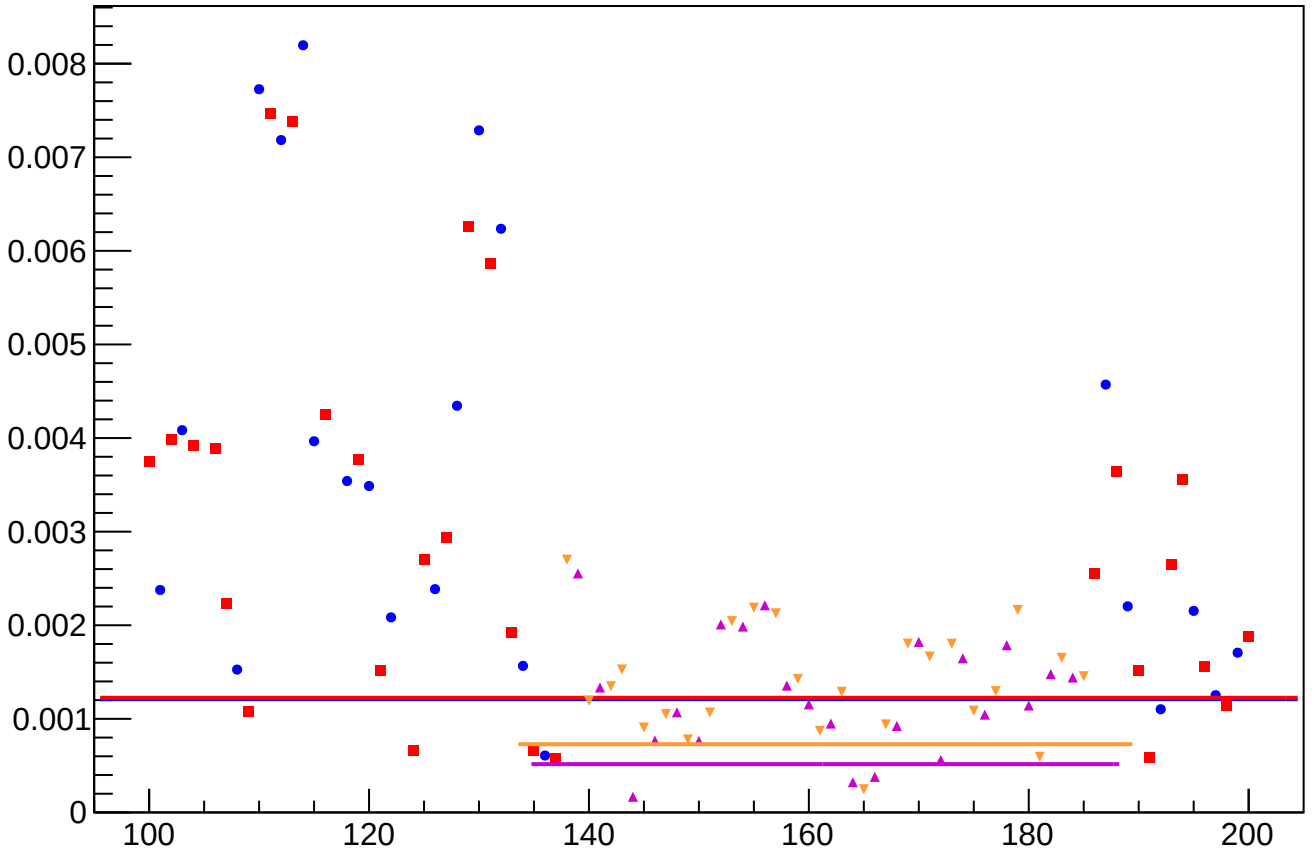
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/27

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.6/46

All: -0.000+/-0.000 χ^2/NDF: 141.6/97

- sign -0.000+/-0.000 χ^2/NDF: 54.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 8050228.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

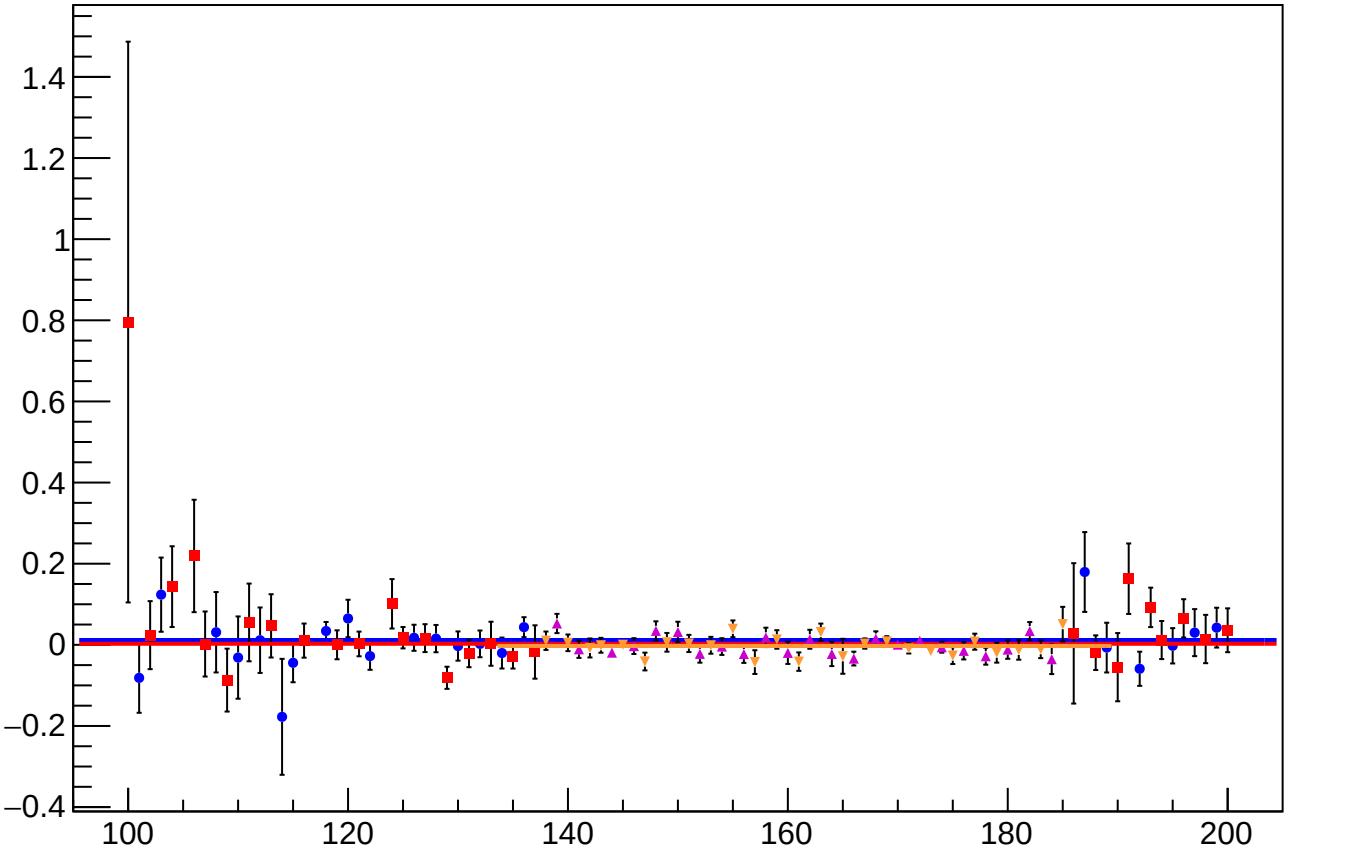
Right Out: 0.001+/-0.000 χ^2/NDF: 9907573.9/27

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 22948576.4/46

All: 0.001+/-0.000 χ^2/NDF: 53741165.1/97

\- sign 0.001+/-0.000 χ^2/NDF: 29615498.5/50



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

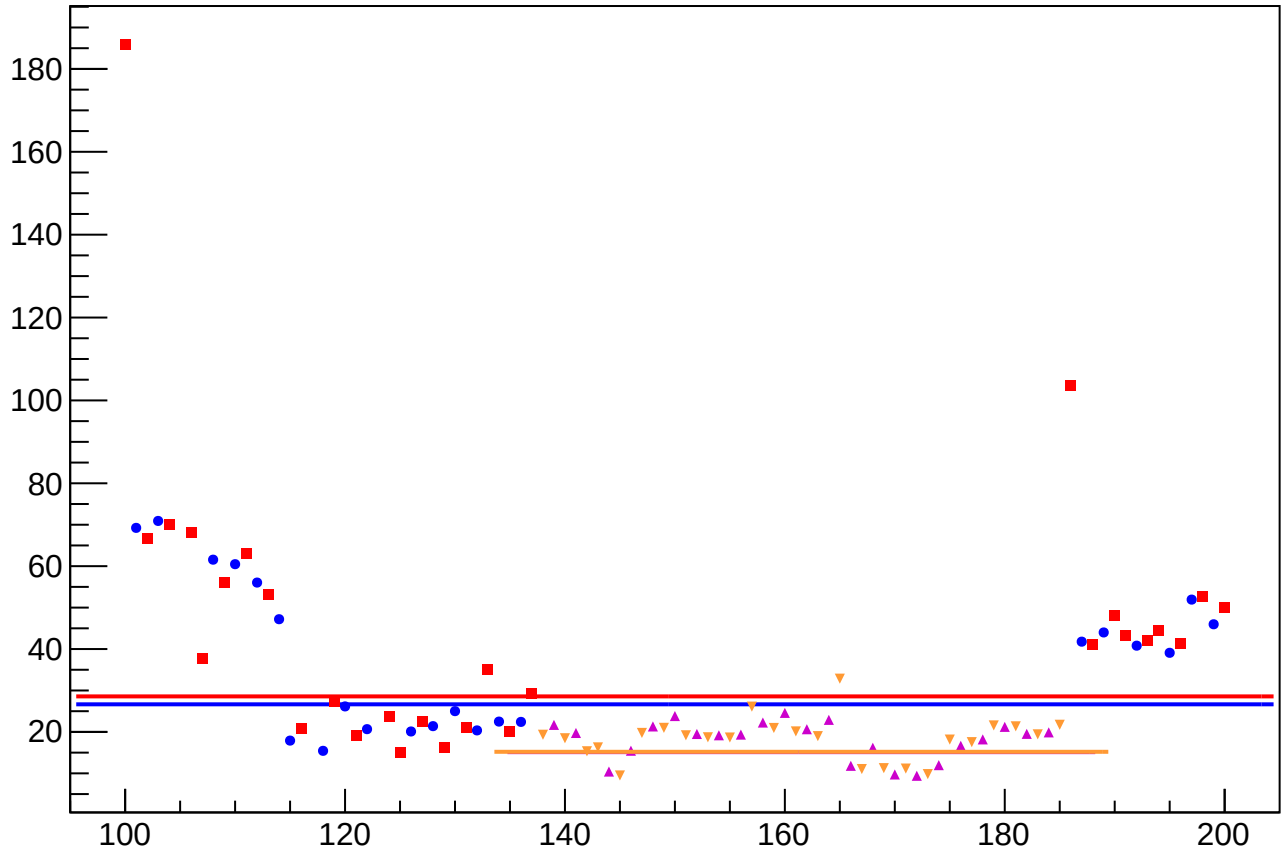
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 103.0/97

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

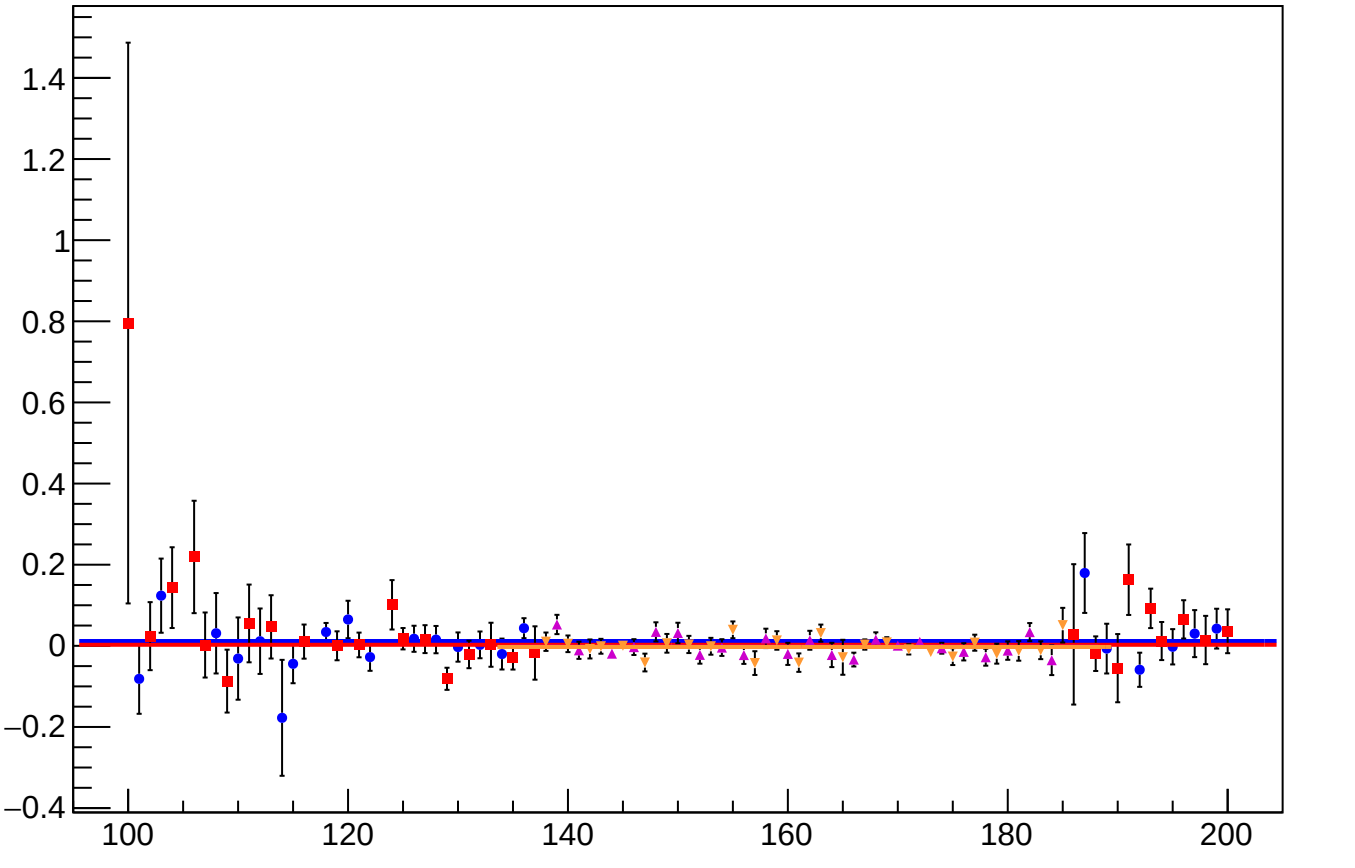
Right Out: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.879+/-0.002 χ^2/NDF: 10189177.1/46

All: 17.046+/-0.002 χ^2/NDF: 22700684.2/97

\- sign 17.222+/-0.002 χ^2/NDF: 12501717.5/50



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

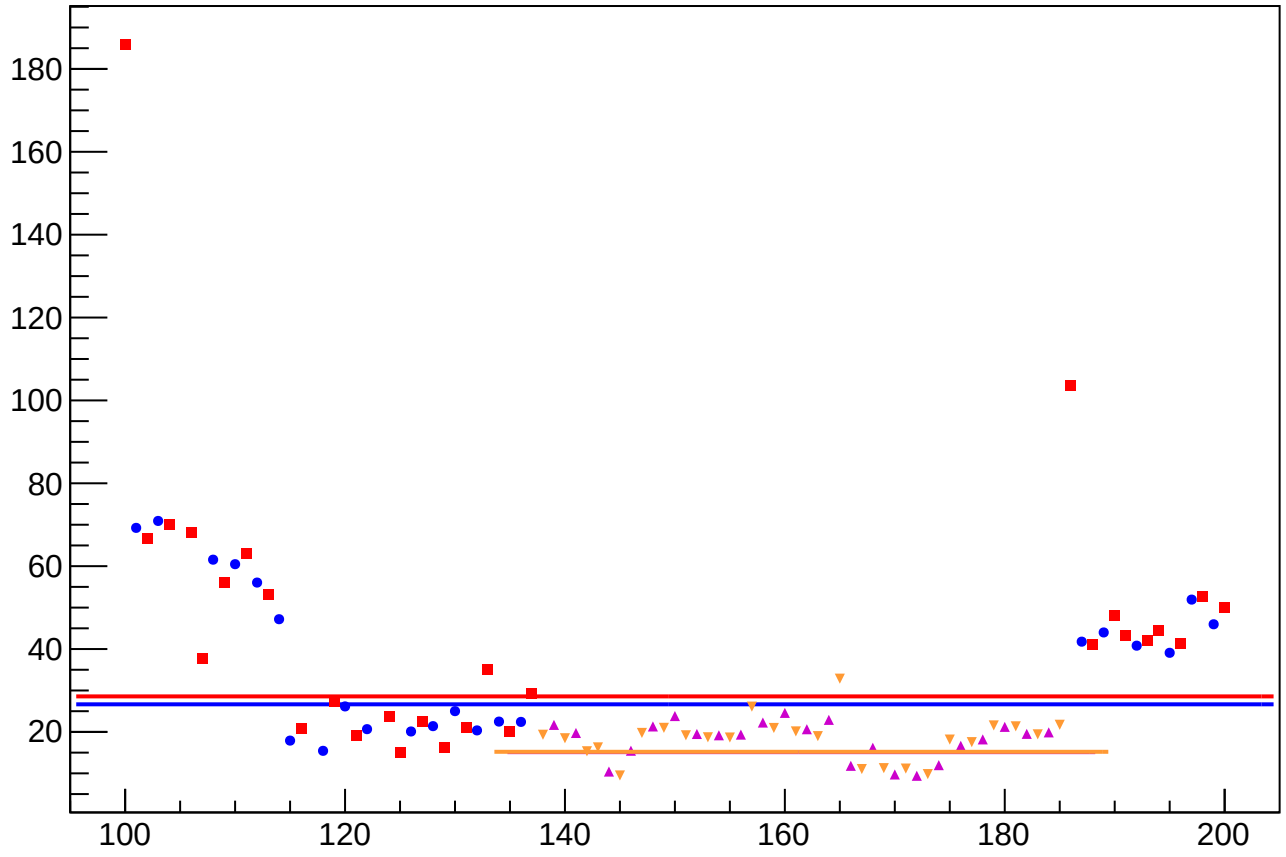
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 103.0/97

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

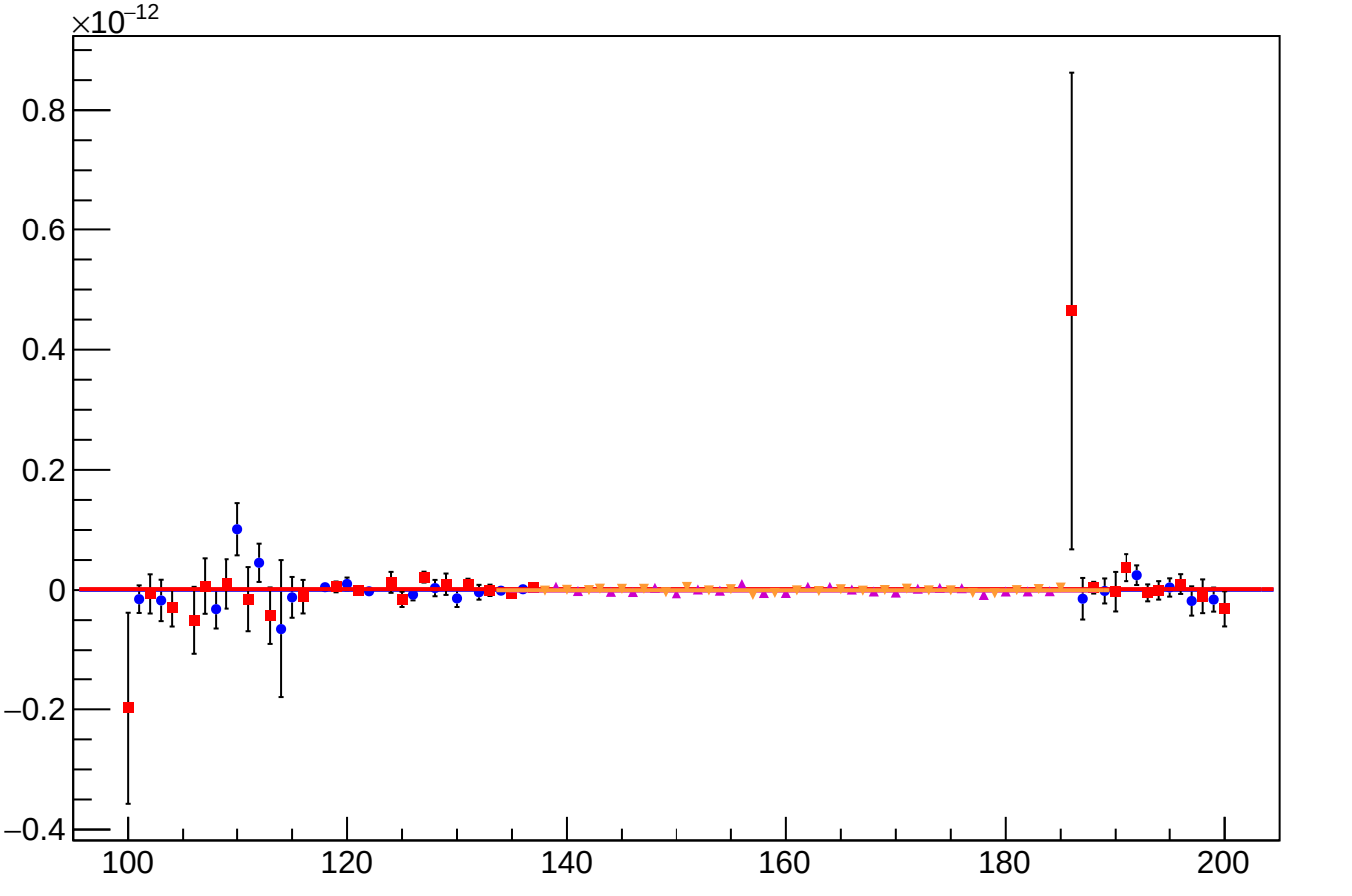
Right Out: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189177.1/46

All: 17.046+/-0.002 χ^2/NDF: 22700684.2/97

- sign 17.222+/-0.002 χ^2/NDF: 12501717.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

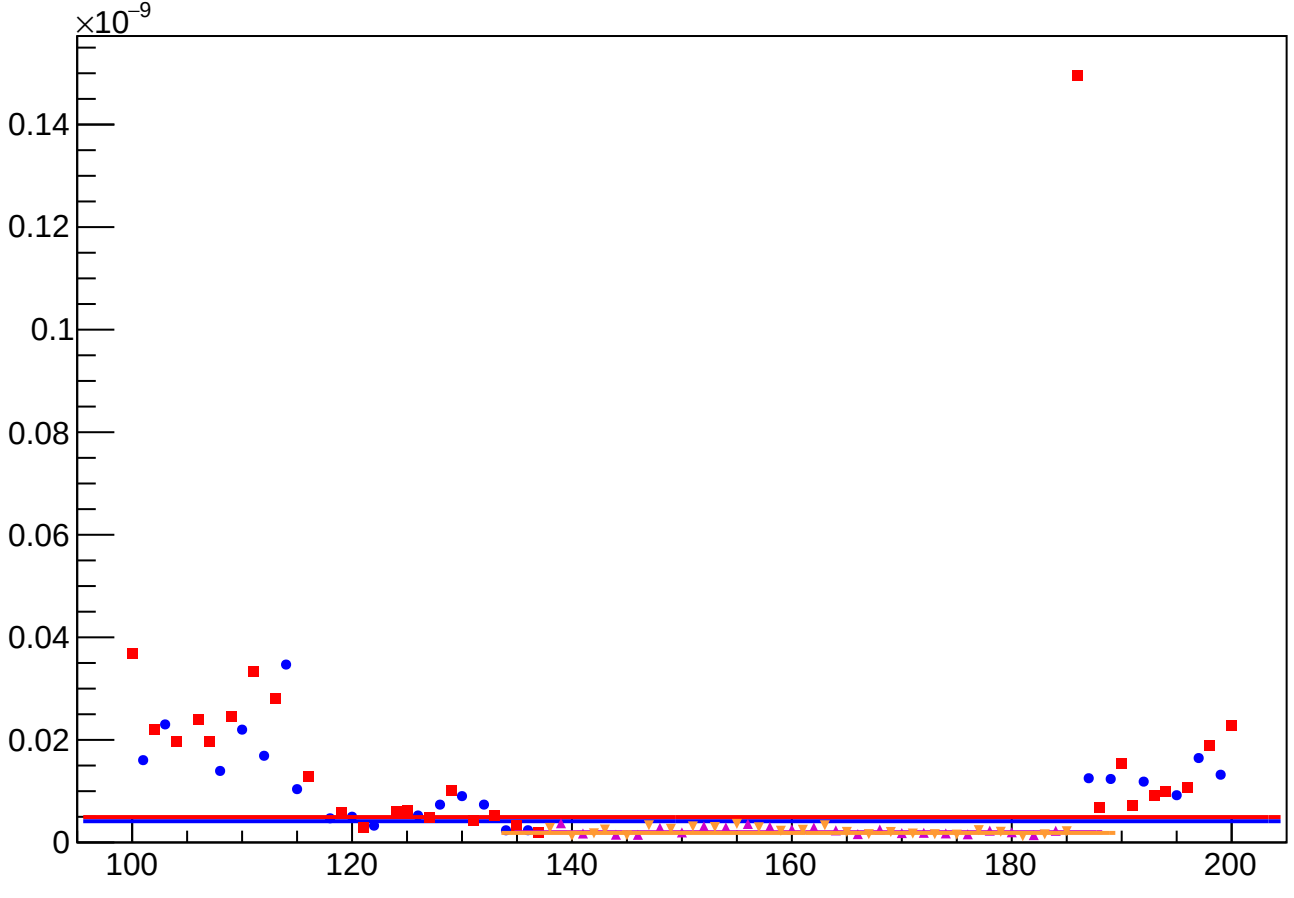
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/46

All: -0.000+/-0.000 χ^2/NDF: 100.8/97

- sign -0.000+/-0.000 χ^2/NDF: 62.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5731612.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7103645.2/27

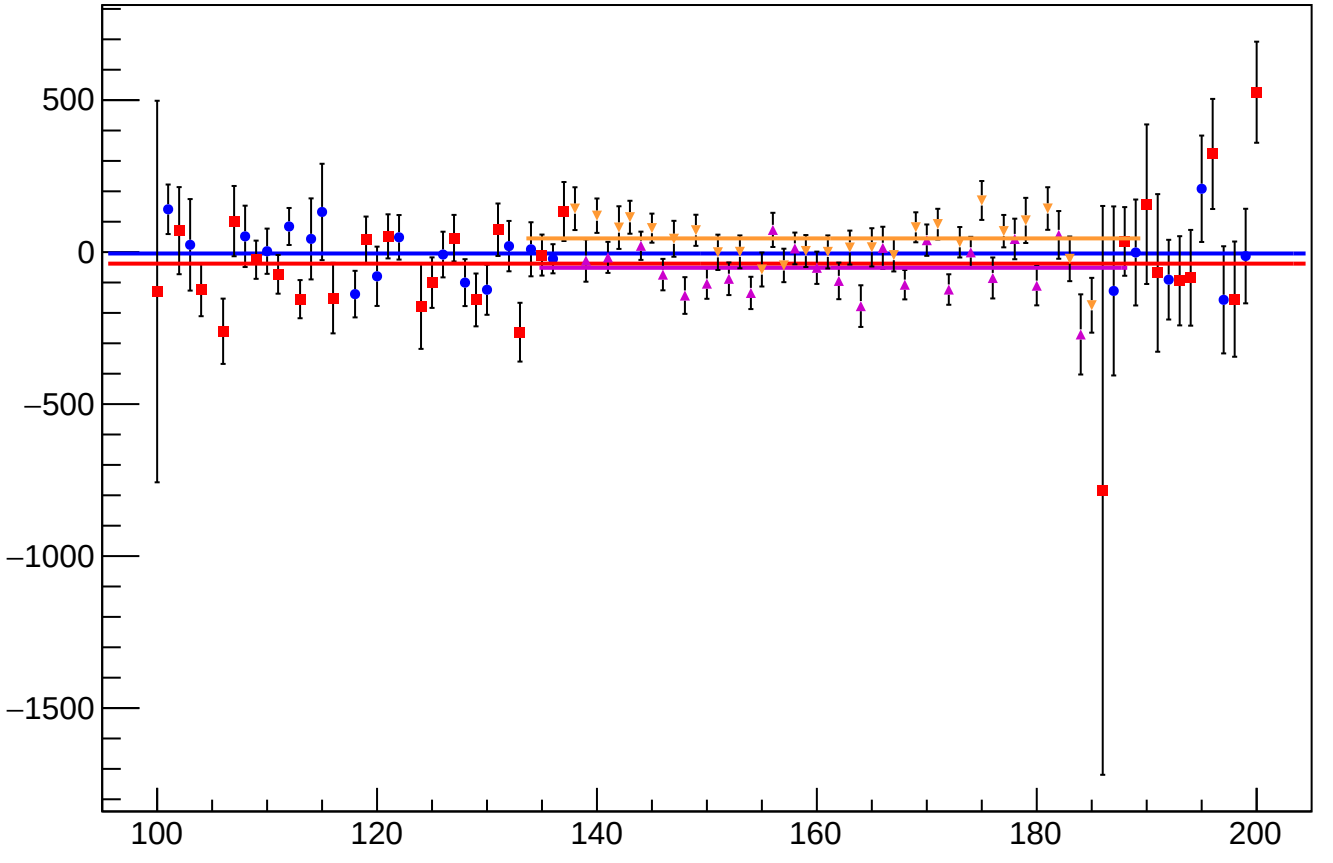
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10826655.7/46

All: 0.000+/-0.000 χ^2/NDF: 23385885.3/97

- sign 0.000+/-0.000 χ^2/NDF: 12441753.8/50

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.534+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.912+/-18.609 χ^2/NDF: 47.4/27

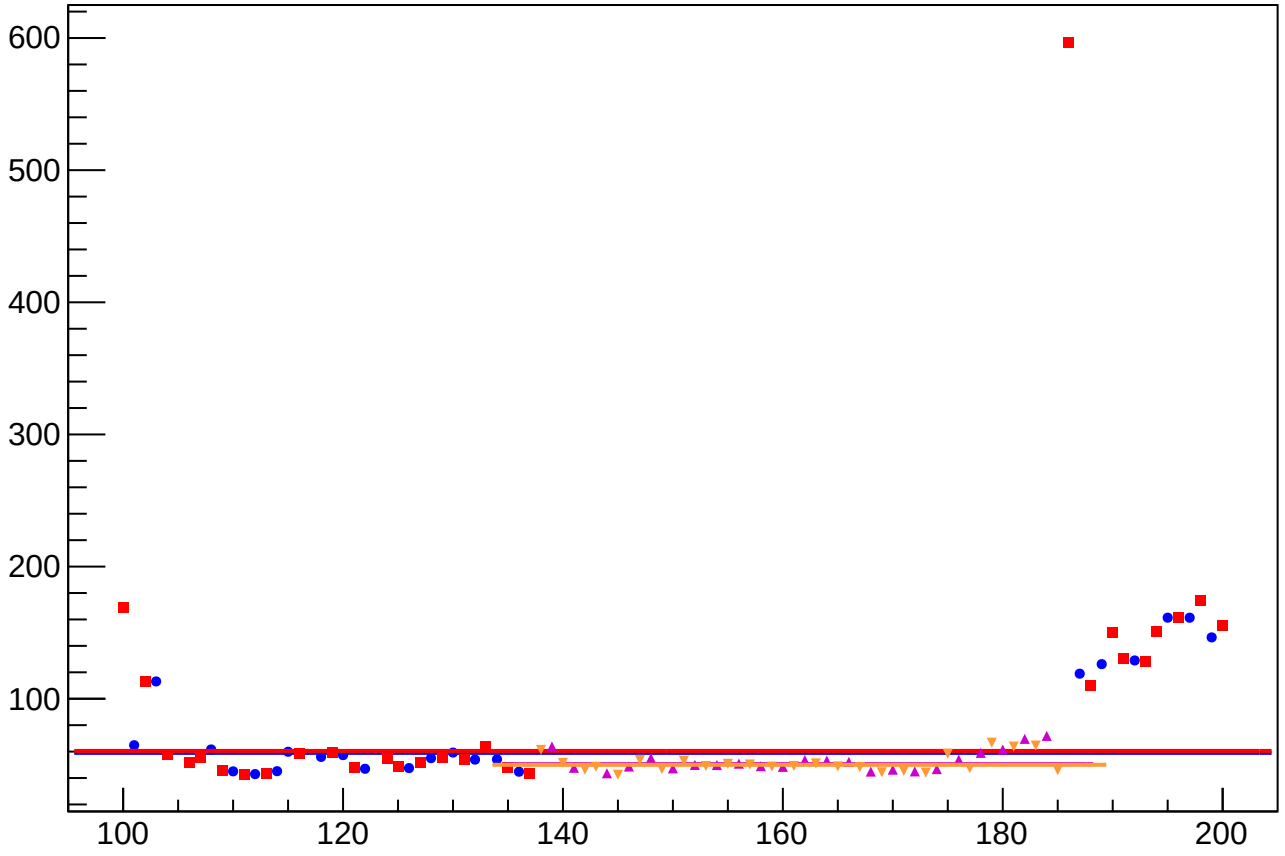
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.003+/-9.863 χ^2/NDF: 53.7/46

All: -7.092+/-7.037 χ^2/NDF: 169.4/97

- sign -47.625+/-10.043 χ^2/NDF: 83.7/50

reg_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748768.8/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 60.511+/-0.013 χ^2/NDF: 5545222.1/27

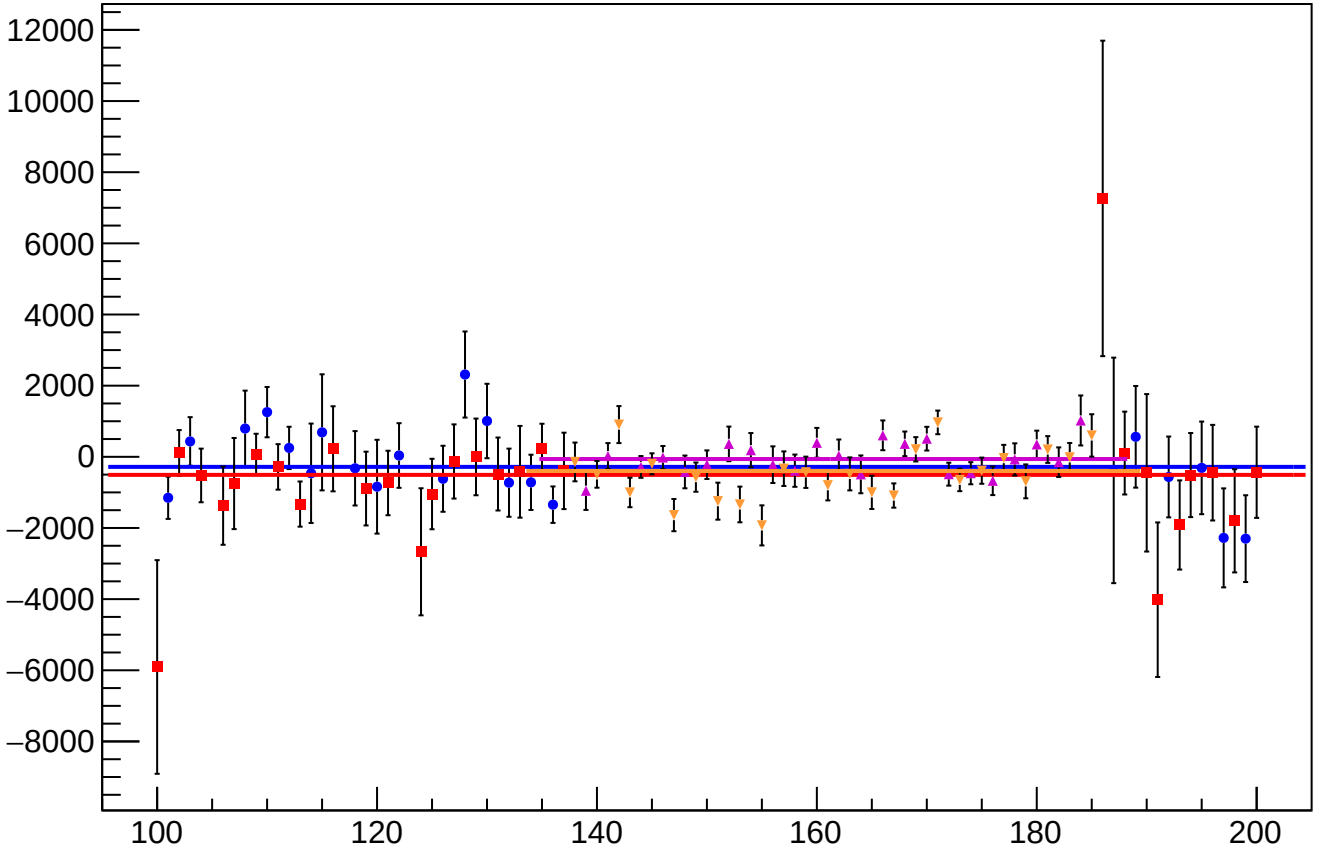
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.401+/-0.007 χ^2/NDF: 4582905.6/46

All: 52.903+/-0.005 χ^2/NDF: 11051371.9/97

- sign 53.424+/-0.007 χ^2/NDF: 6457897.9/50

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -282.571+/-193.341 χ^2/NDF: 26.8/21

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

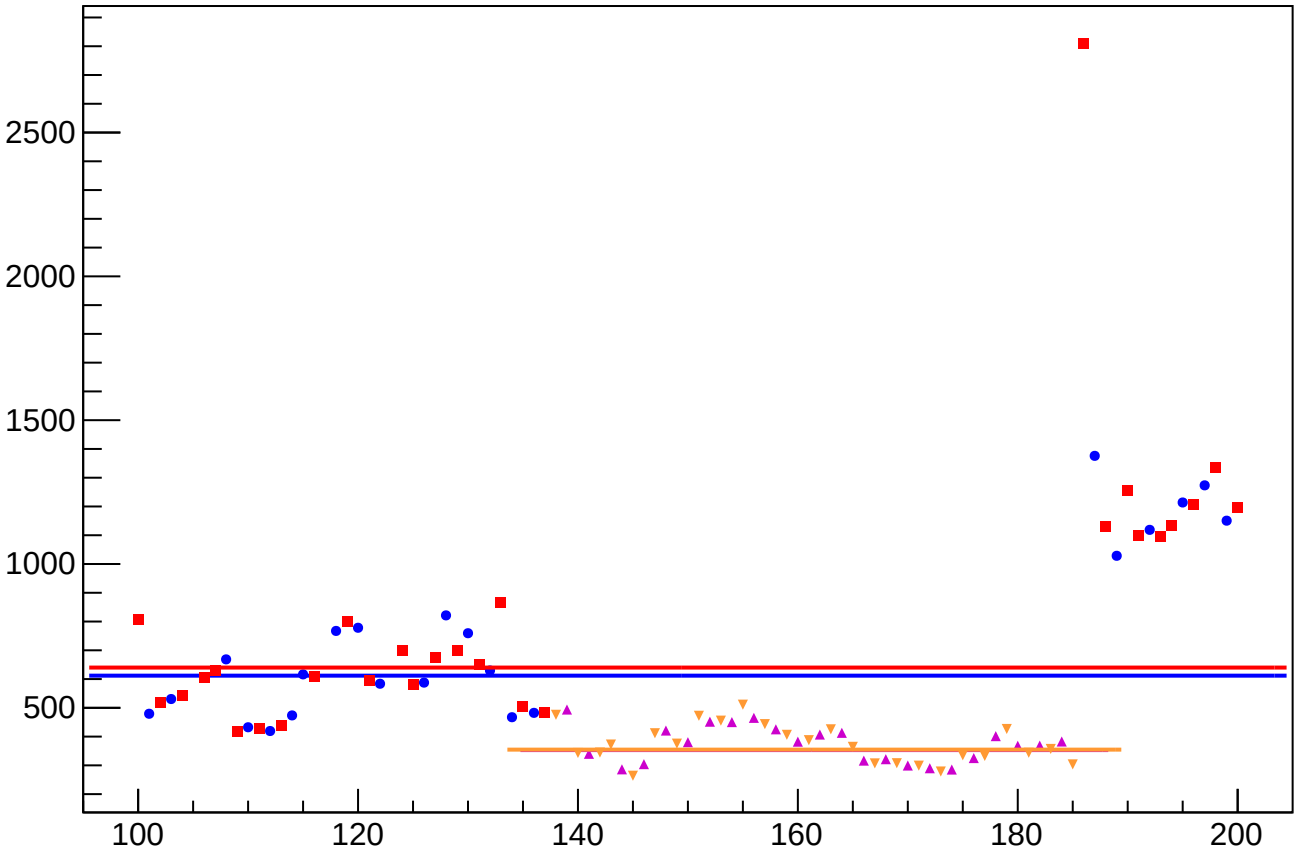
Right Out: -507.421+/-188.166 χ^2/NDF: 19.4/27

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.534+/-75.541 χ^2/NDF: 92.5/46

All: -260.458+/-53.794 χ^2/NDF: 145.7/97

- sign -135.890+/-76.622 χ^2/NDF: 48.0/50



Right In: 611.848+/-0.137 χ^2/NDF: 2823320.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 639.972+/-0.133 χ^2/NDF: 3980088.4/27

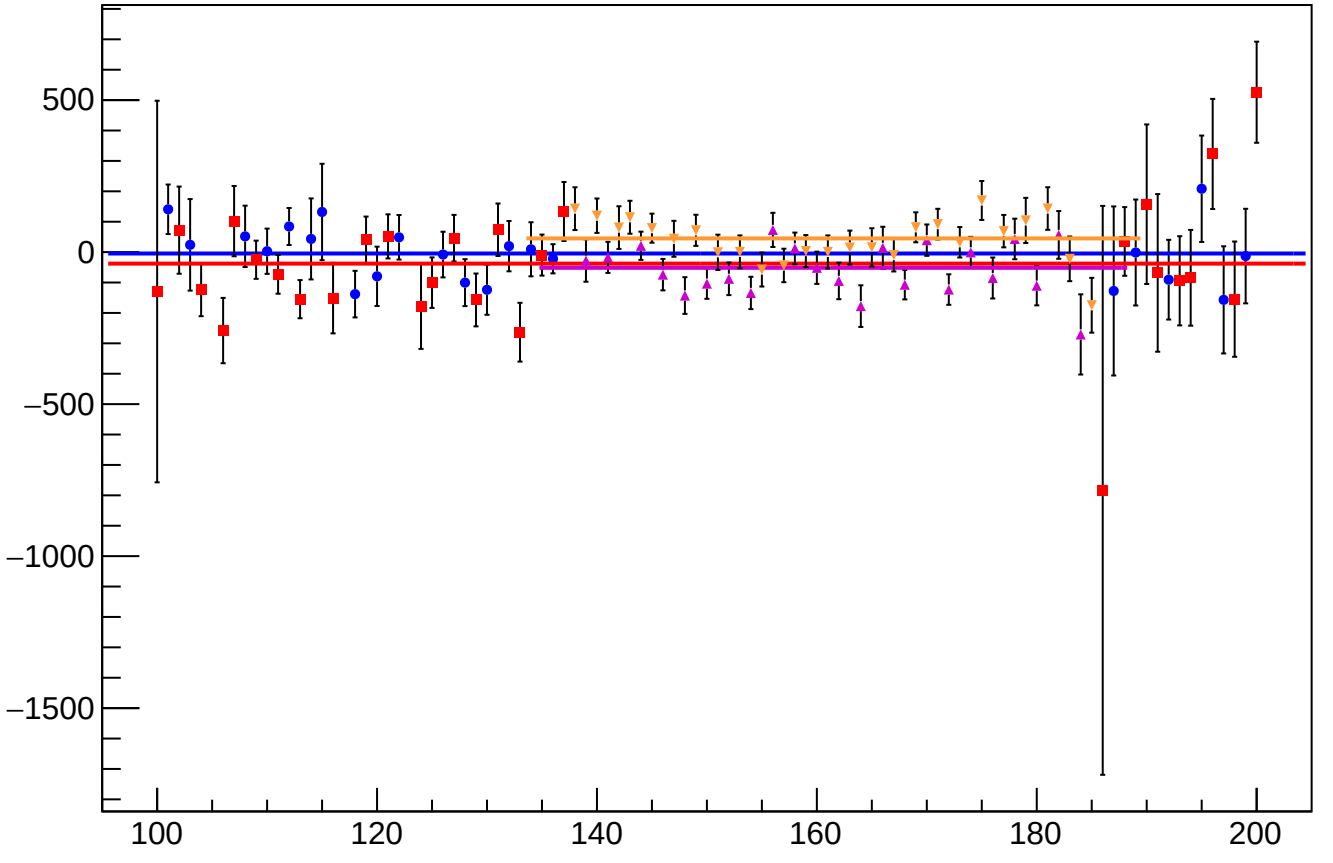
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 393.929+/-0.053 χ^2/NDF: 6967314.7/46

All: 397.255+/-0.038 χ^2/NDF: 15836955.5/97

- sign 400.676+/-0.054 χ^2/NDF: 8861777.5/50

cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.806+/-18.610 χ^2/NDF: 47.3/27

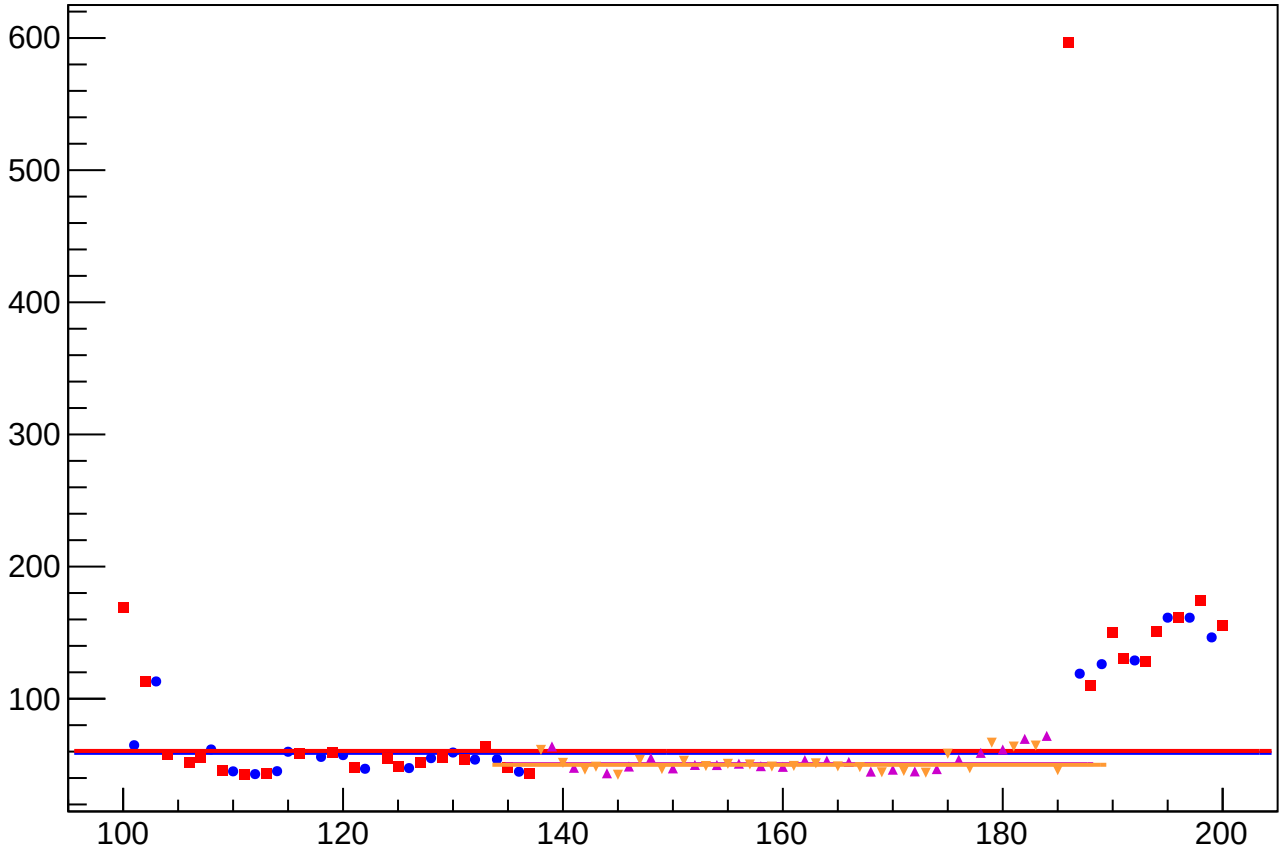
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.004+/-9.863 χ^2/NDF: 53.7/46

All: -7.076+/-7.037 χ^2/NDF: 169.3/97

- sign -47.594+/-10.043 χ^2/NDF: 83.6/50

cor_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

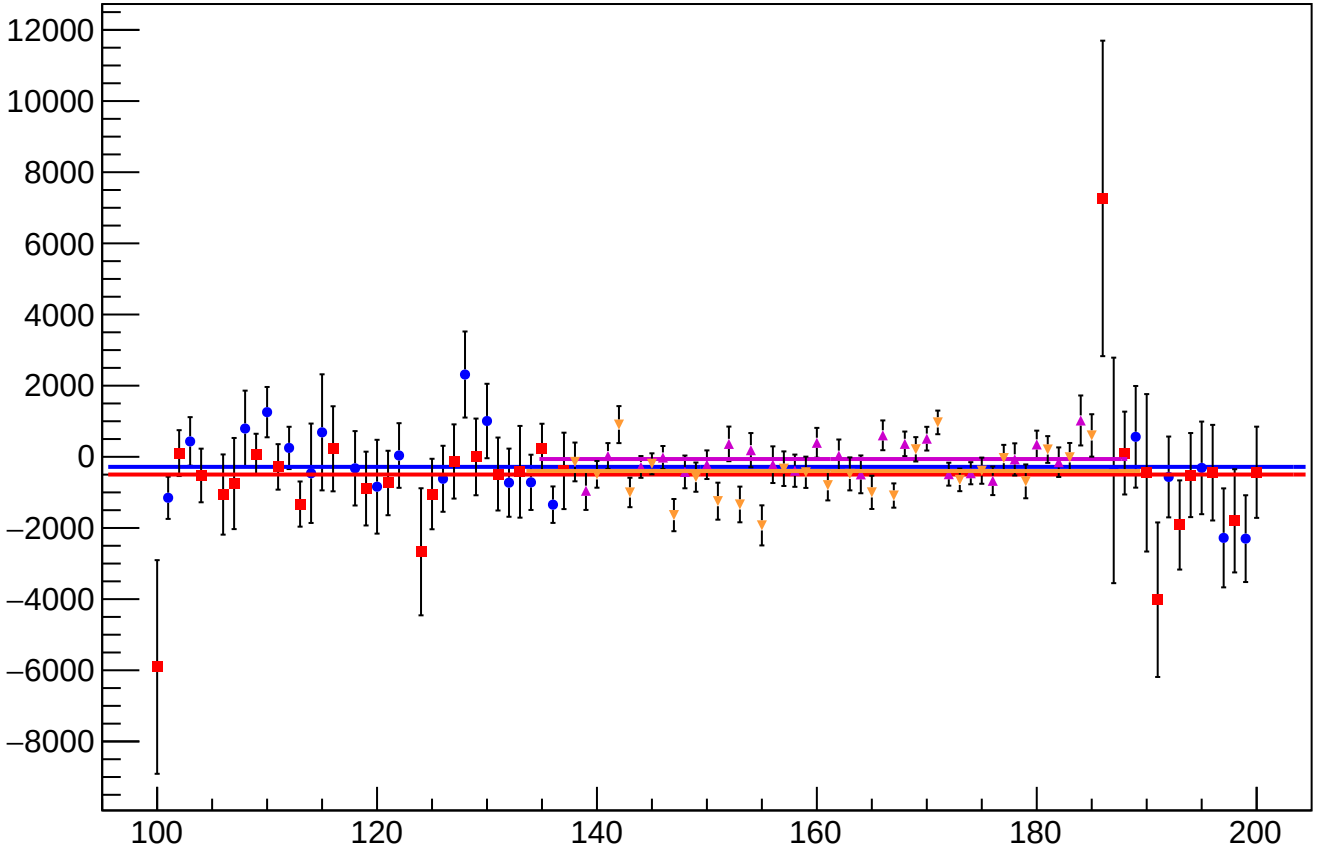
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.401+/-0.007 χ^2/NDF: 4582907.9/46

All: 52.902+/-0.005 χ^2/NDF: 11051738.9/97

- sign 53.422+/-0.007 χ^2/NDF: 6458317.8/50

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

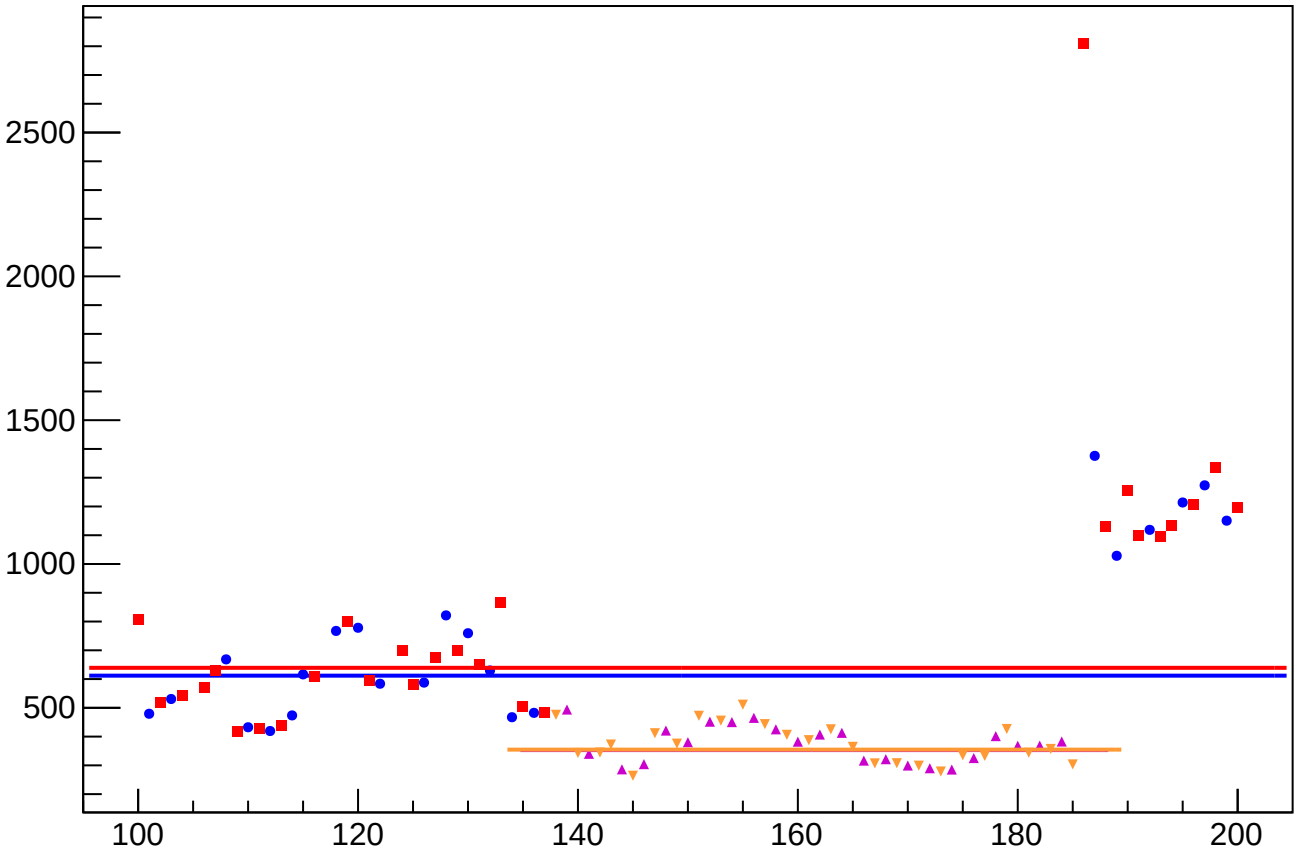
Right Out: -497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.528+/-75.541 χ^2/NDF: 92.5/46

All: -259.639+/-53.797 χ^2/NDF: 145.2/97

- sign -134.202+/-76.632 χ^2/NDF: 47.4/50



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

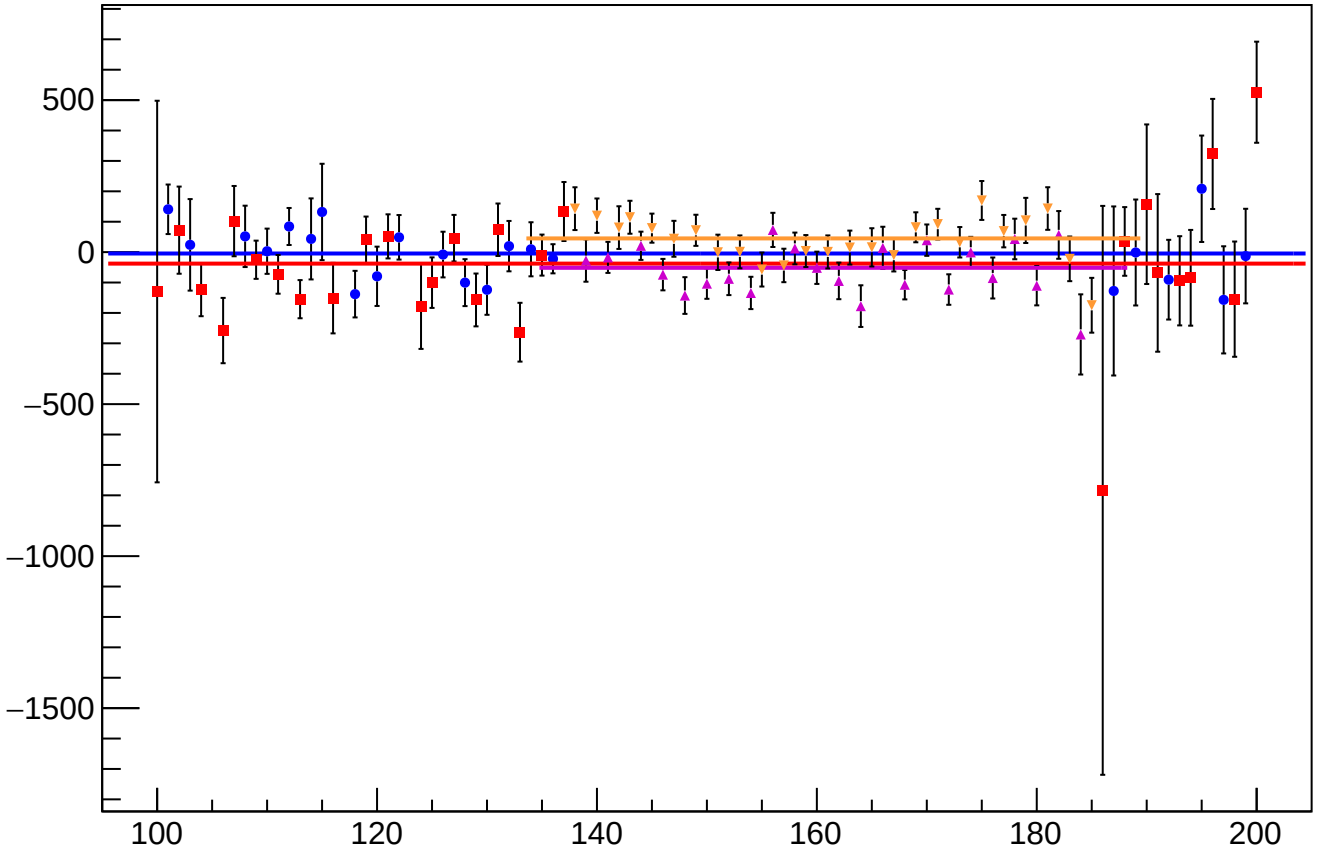
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 393.930+/-0.053 χ^2/NDF: 6967370.0/46

All: 397.151+/-0.038 χ^2/NDF: 15812528.9/97

- sign 400.467+/-0.054 χ^2/NDF: 8837777.7/50

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.806+/-18.610 χ^2/NDF: 47.3/27

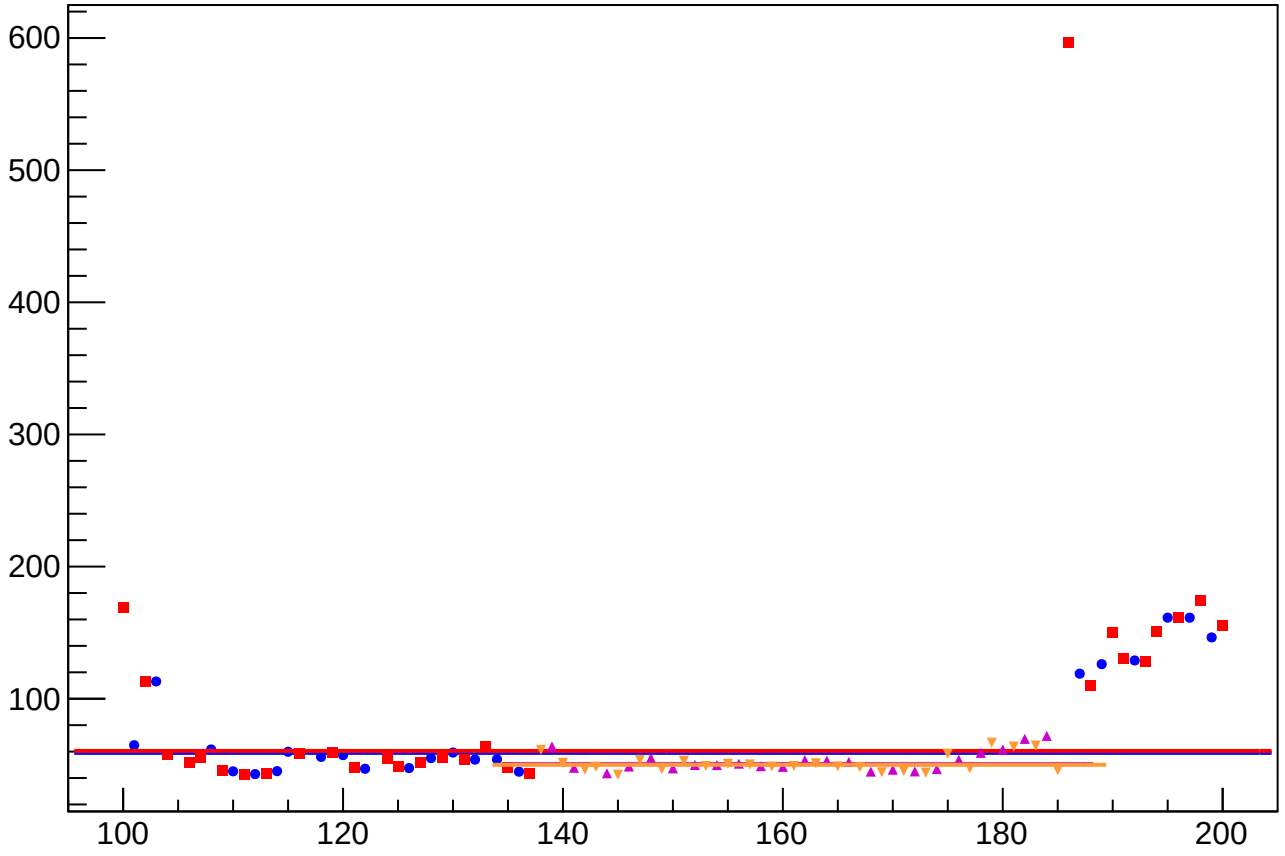
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.004+/-9.863 χ^2/NDF: 53.7/46

All: -7.076+/-7.037 χ^2/NDF: 169.3/97

- sign -47.594+/-10.043 χ^2/NDF: 83.6/50

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

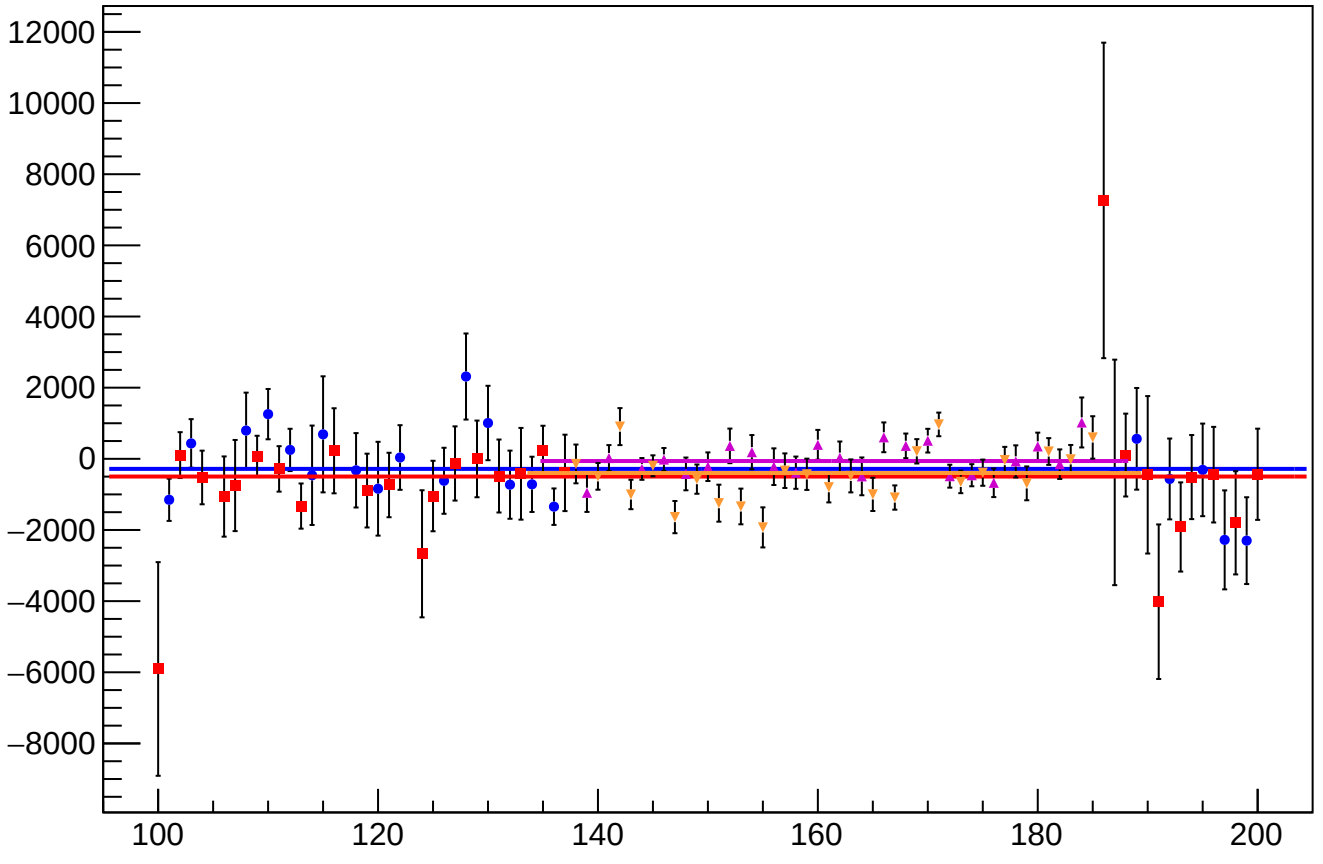
Right Out: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.401+/-0.007 χ^2/NDF: 4582907.9/46

All: 52.902+/-0.005 χ^2/NDF: 11051738.9/97

- sign 53.422+/-0.007 χ^2/NDF: 6458317.8/50



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

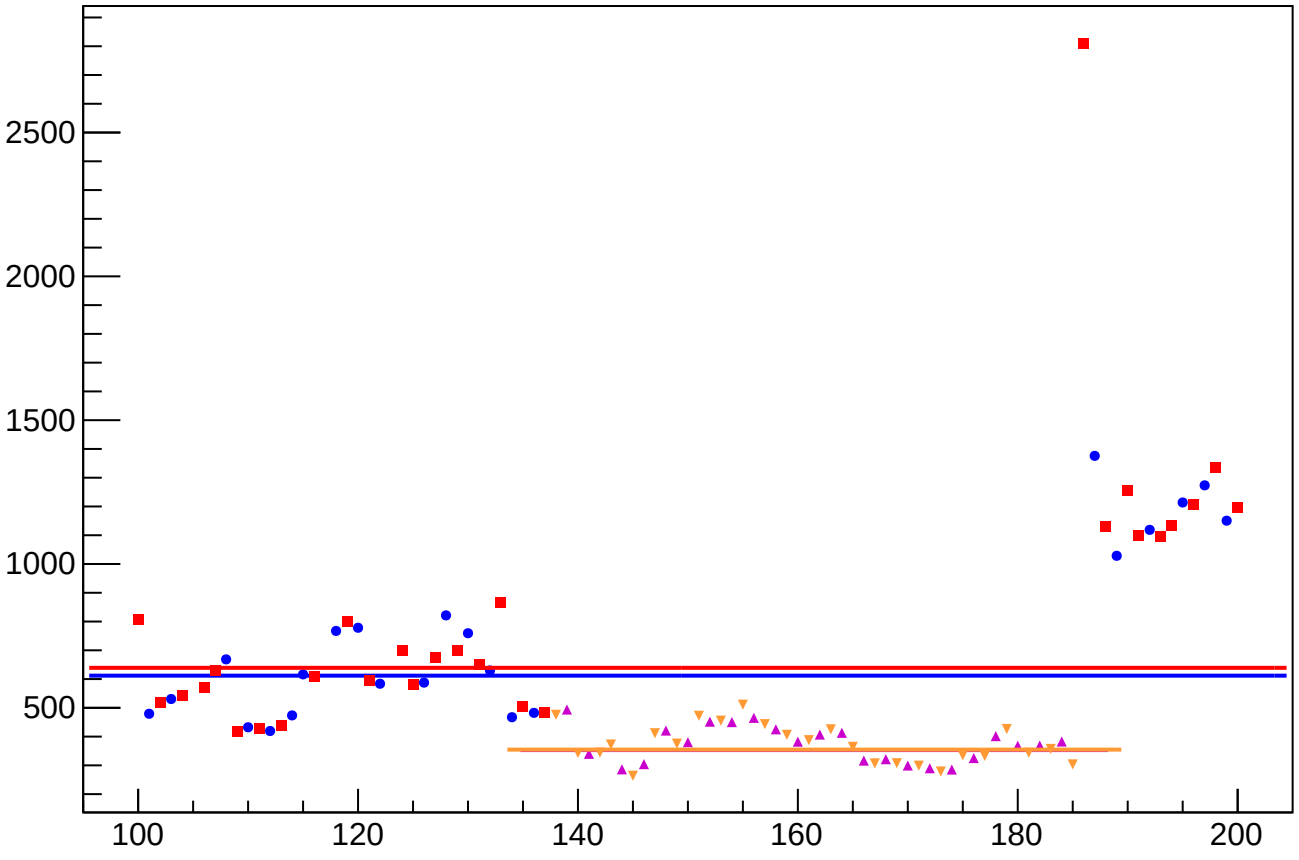
Right Out: -497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.528+/-75.541 χ^2/NDF: 92.5/46

All: -259.639+/-53.797 χ^2/NDF: 145.2/97

- sign -134.202+/-76.632 χ^2/NDF: 47.4/50



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

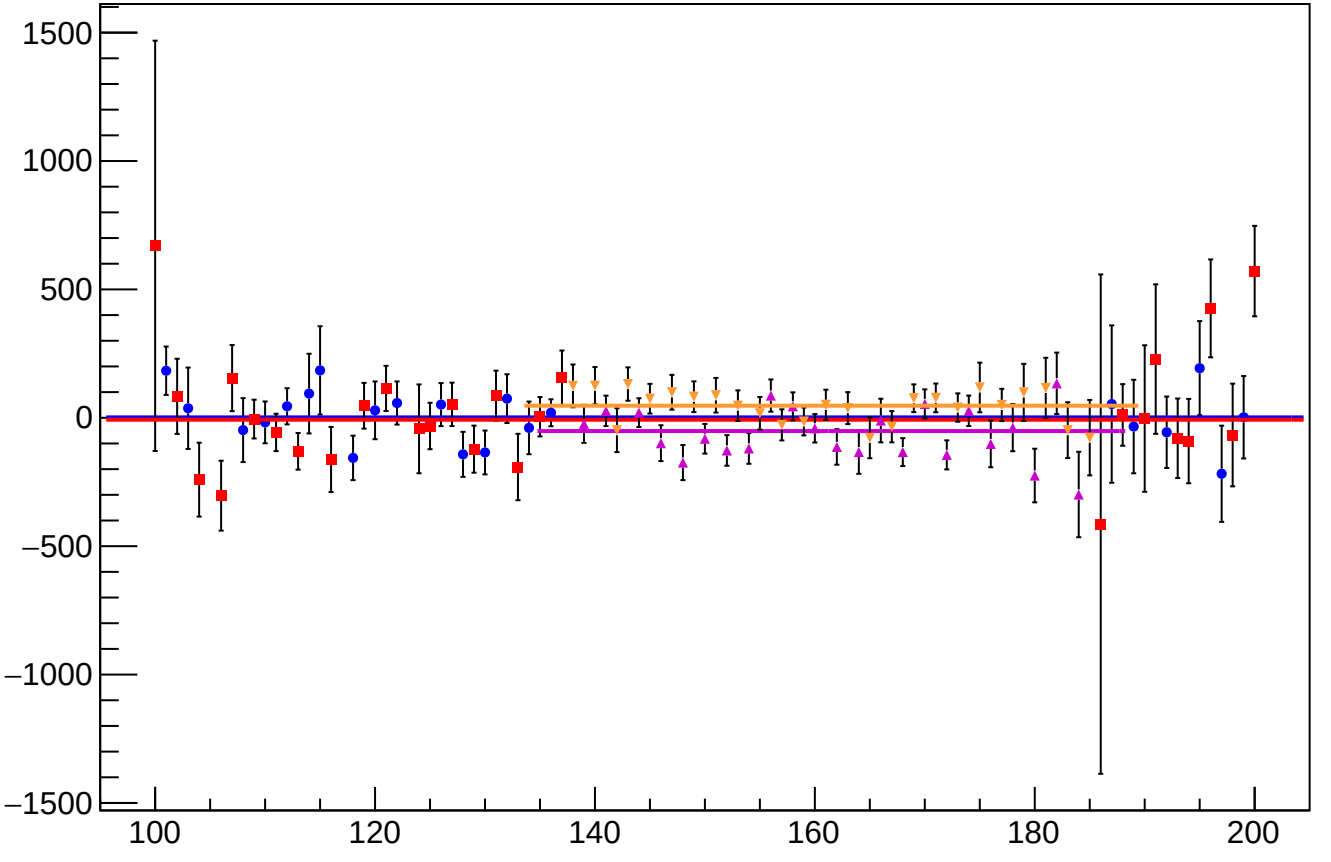
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 393.930+/-0.053 χ^2/NDF: 6967370.0/46

All: 397.151+/-0.038 χ^2/NDF: 15812528.9/97

- sign 400.467+/-0.054 χ^2/NDF: 8837777.7/50

dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -7.416+/-21.383 χ^2/NDF: 42.2/27

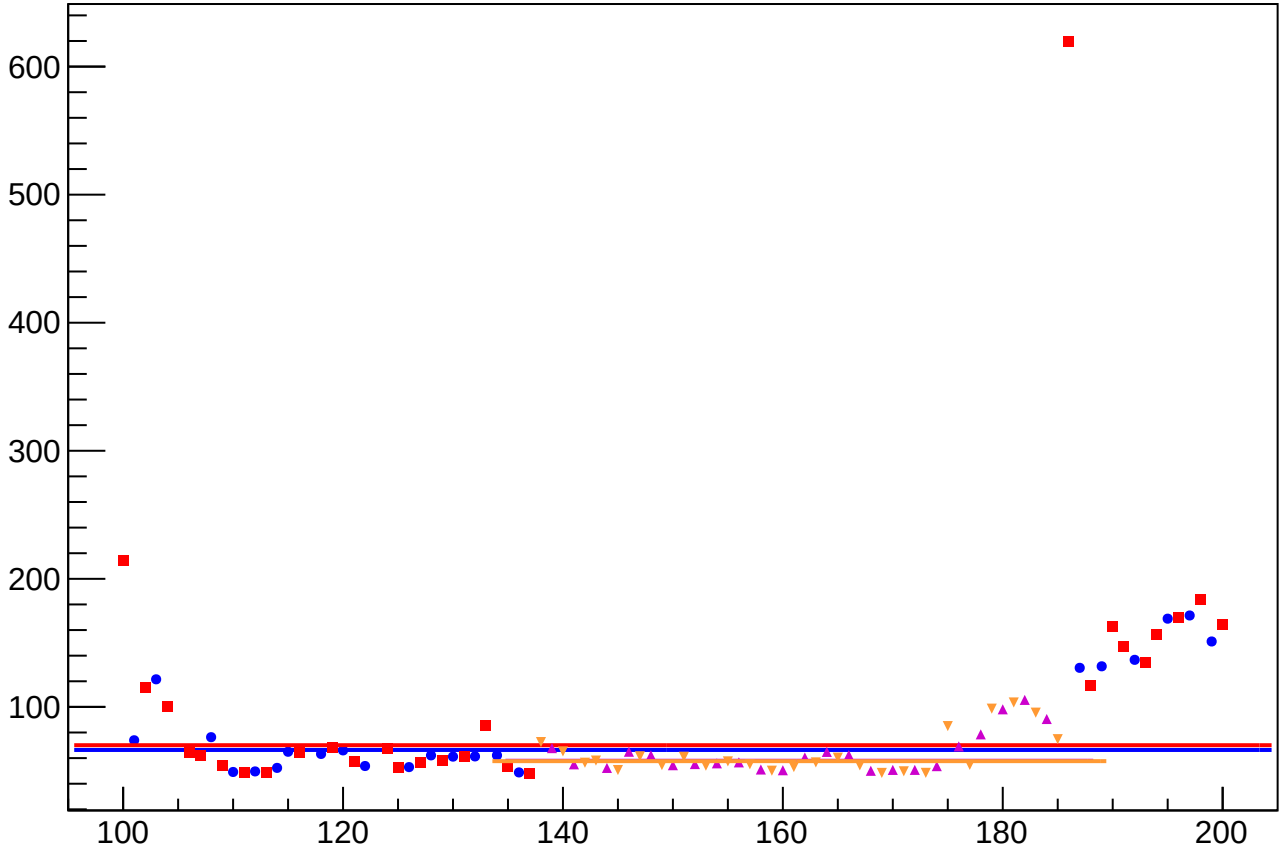
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.219+/-11.436 χ^2/NDF: 39.1/46

All: -1.376+/-8.169 χ^2/NDF: 142.2/97

- sign -38.467+/-11.674 χ^2/NDF: 83.4/50

dit_asym_sam_1357_avg_rms vs Slug



Right In: 66.359+/-0.015 χ^2/NDF: 3497538.3/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 70.073+/-0.015 χ^2/NDF: 5186030.9/27

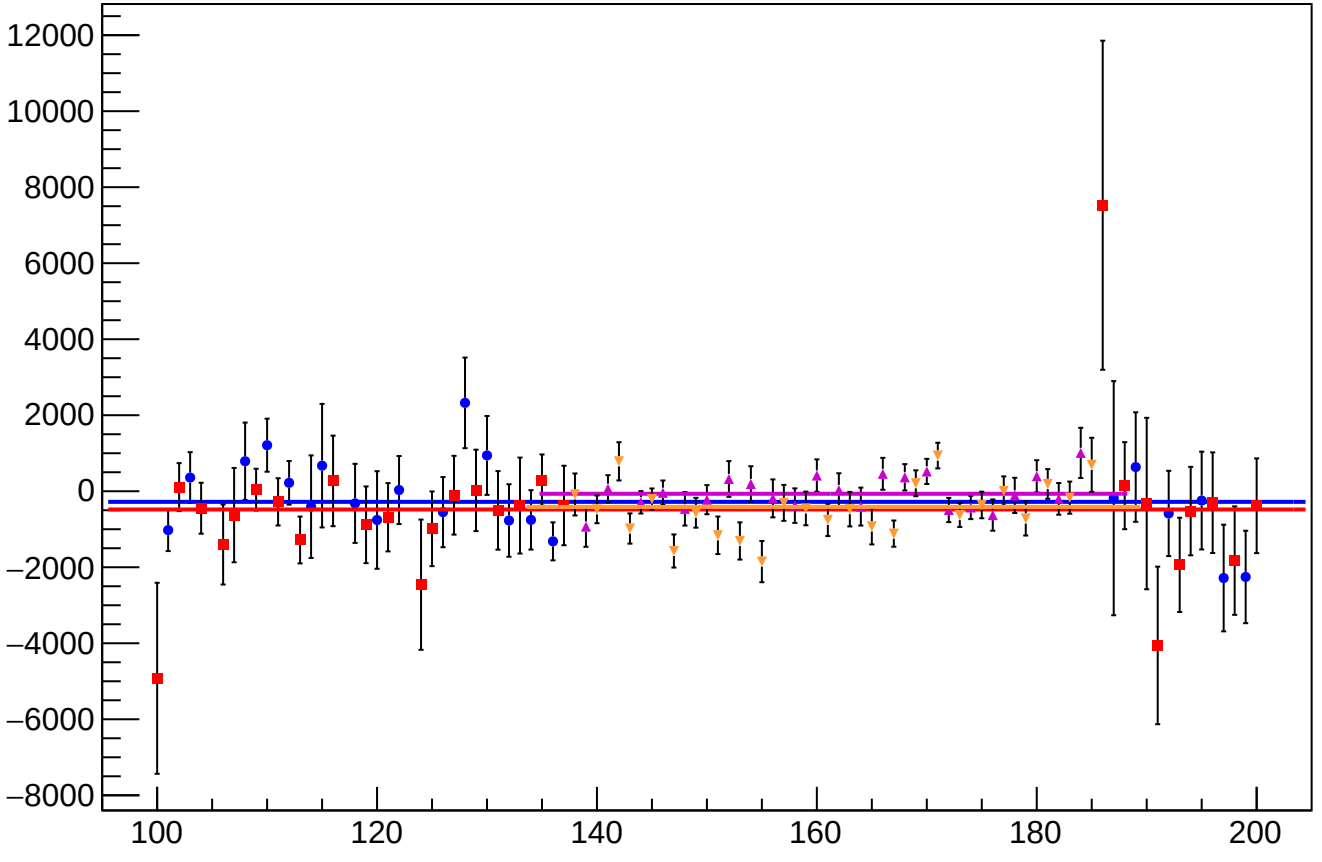
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 60.106+/-0.008 χ^2/NDF: 5099664.2/46

All: 60.816+/-0.006 χ^2/NDF: 11877948.9/97

- sign 61.556+/-0.008 χ^2/NDF: 6762534.5/50

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -279.399+/-188.917 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -480.194+/-182.254 χ^2/NDF: 20.4/27

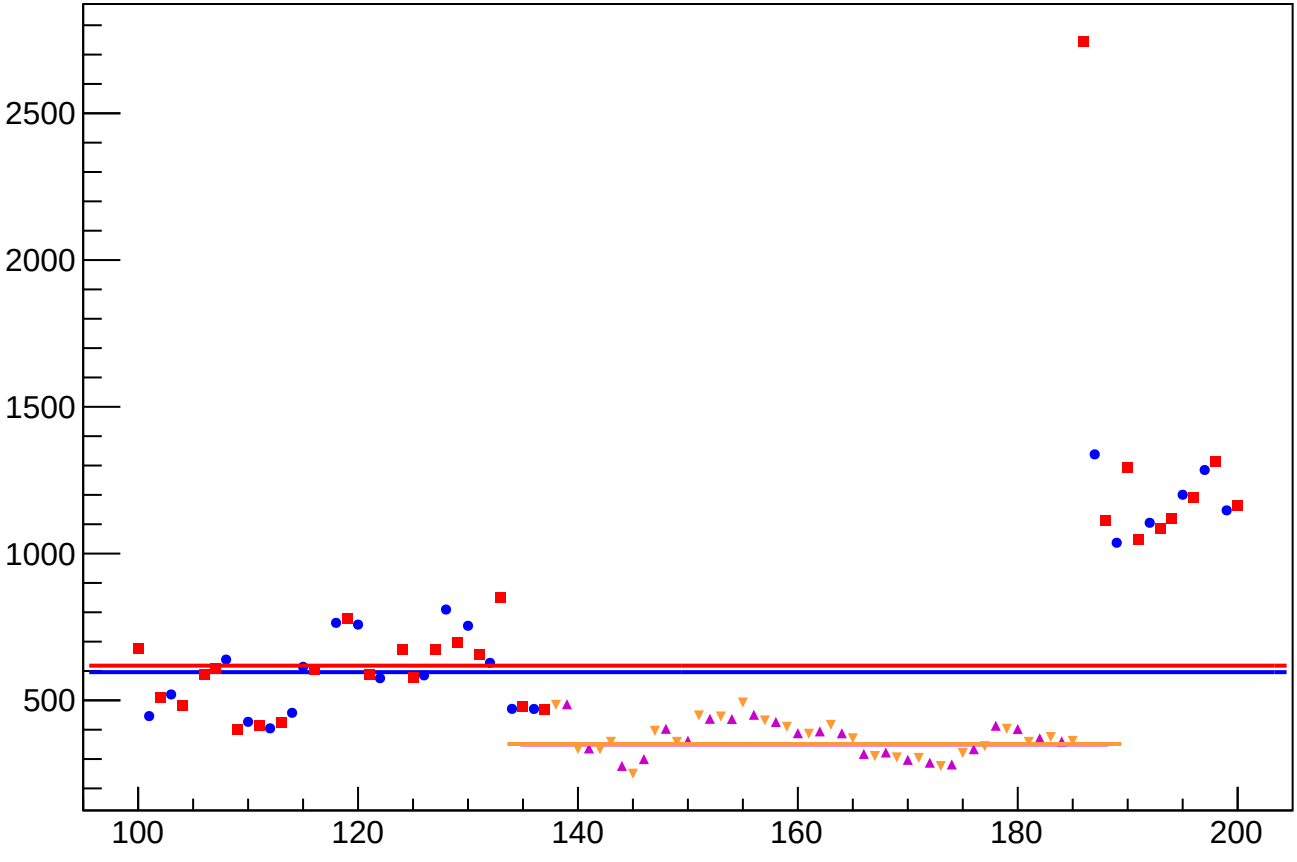
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -392.240+/-74.550 χ^2/NDF: 87.9/46

All: -266.791+/-53.081 χ^2/NDF: 141.2/97

- sign -137.791+/-75.597 χ^2/NDF: 47.5/50

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 596.052+/-0.134 χ^2/NDF: 2962826.5/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 618.138+/-0.129 χ^2/NDF: 4149620.8/27

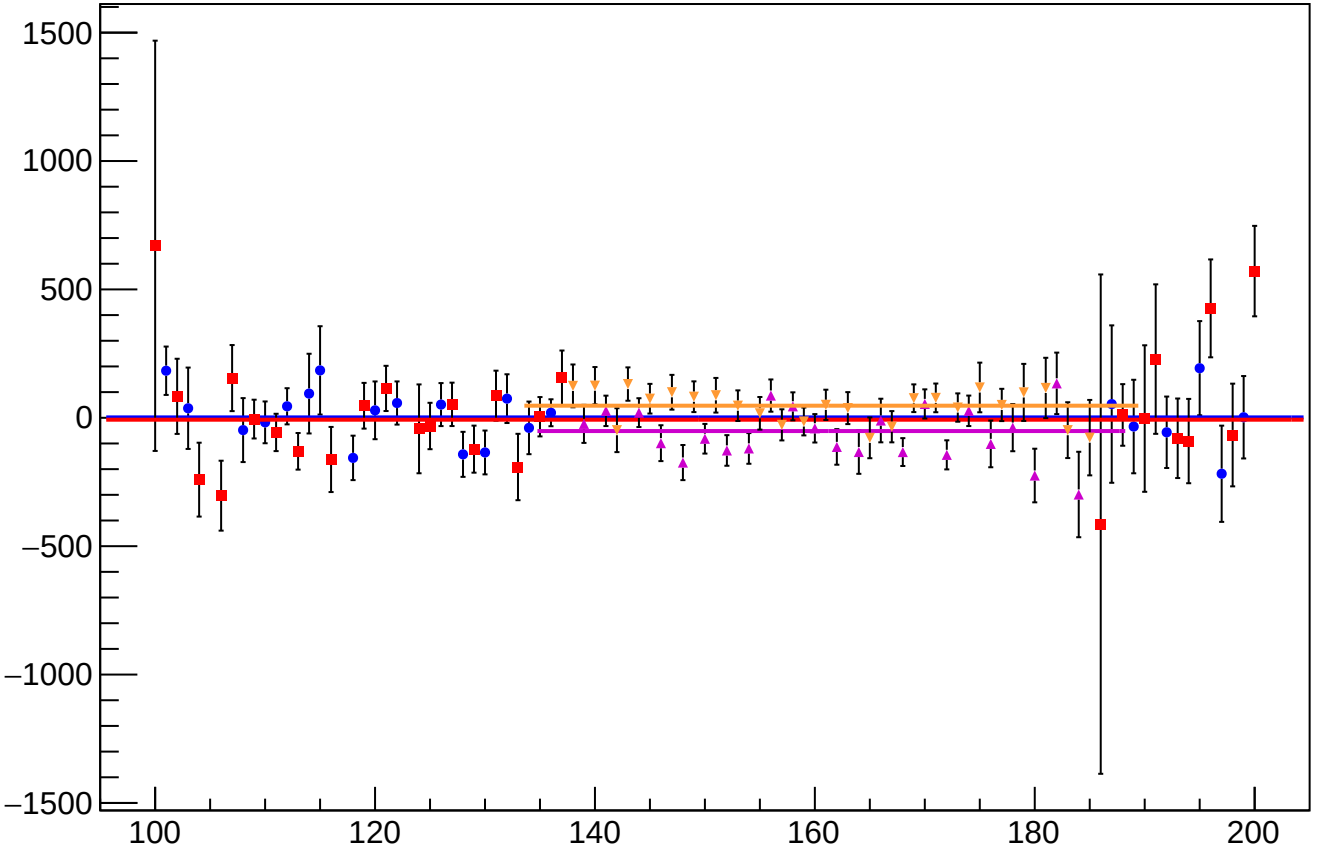
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 389.383+/-0.053 χ^2/NDF: 6916091.1/46

All: 392.635+/-0.038 χ^2/NDF: 15653048.4/97

- sign 395.979+/-0.053 χ^2/NDF: 8729239.0/50

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -7.415+/-21.383 χ^2/NDF: 42.2/27

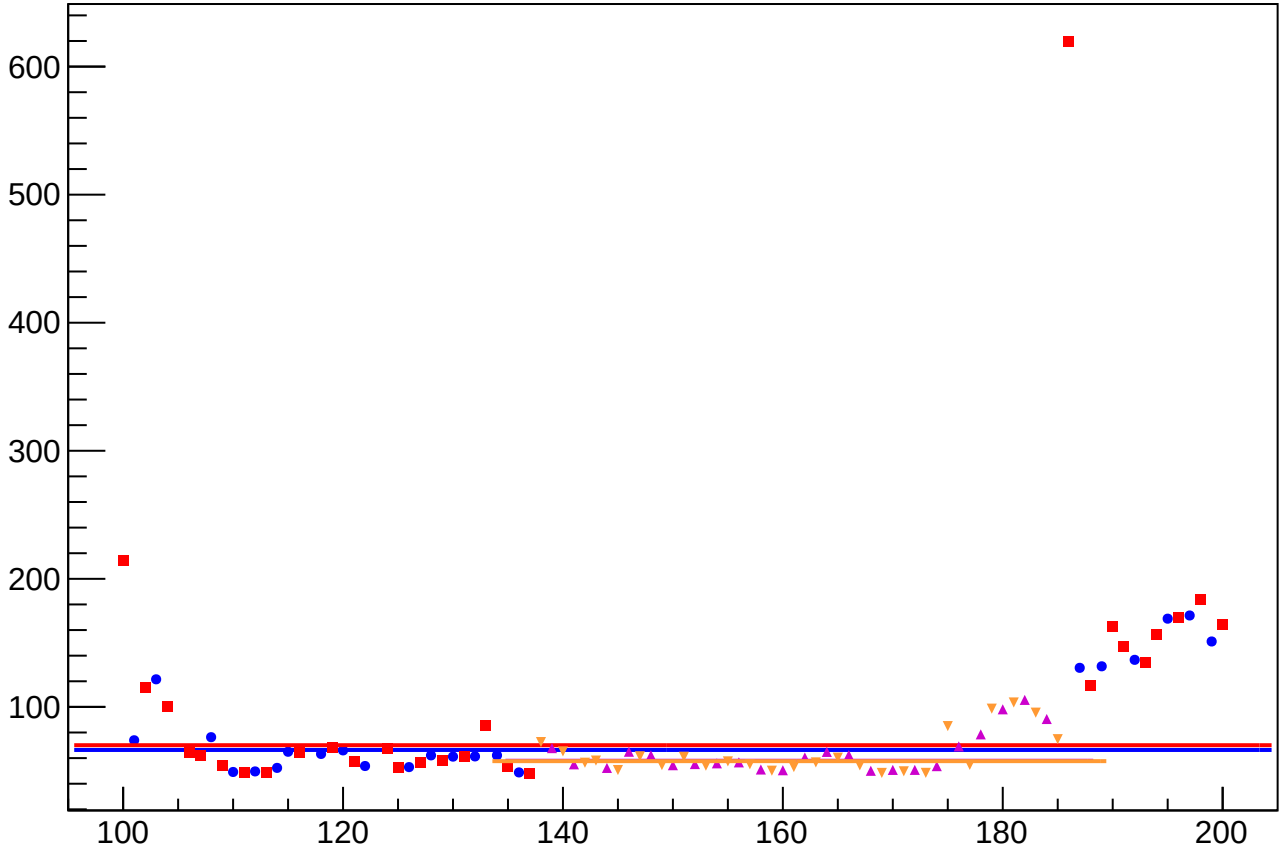
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.220+/-11.436 χ^2/NDF: 39.1/46

All: -1.376+/-8.169 χ^2/NDF: 142.2/97

- sign -38.466+/-11.674 χ^2/NDF: 83.4/50

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 66.359+/-0.015 χ^2/NDF: 3497525.8/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

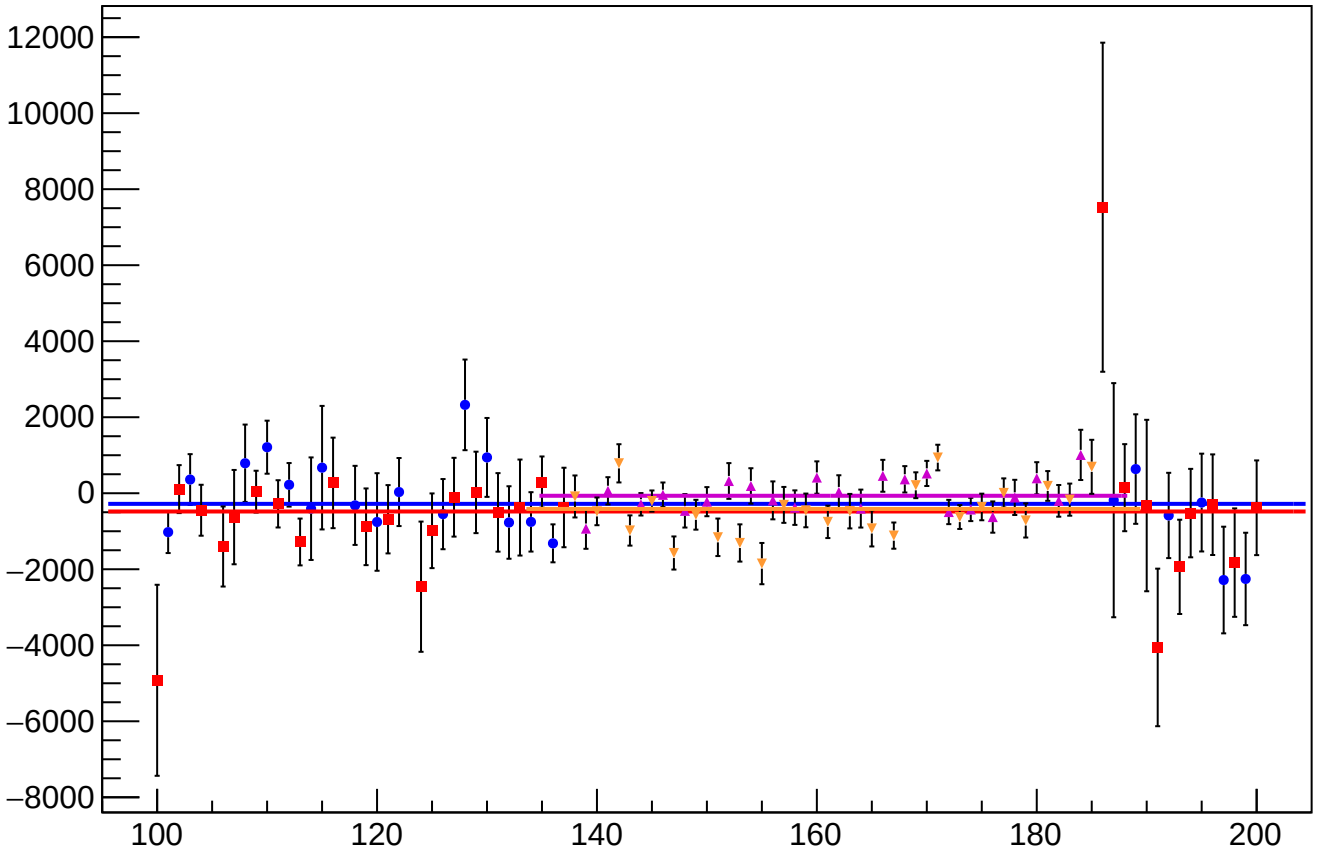
Right Out: 70.073+/-0.015 χ^2/NDF: 5186023.1/27

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 60.106+/-0.008 χ^2/NDF: 5099646.9/46

All: 60.816+/-0.006 χ^2/NDF: 11877911.3/97

- sign 61.556+/-0.008 χ^2/NDF: 6762513.6/50



Right In: -279.399+/-188.916 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

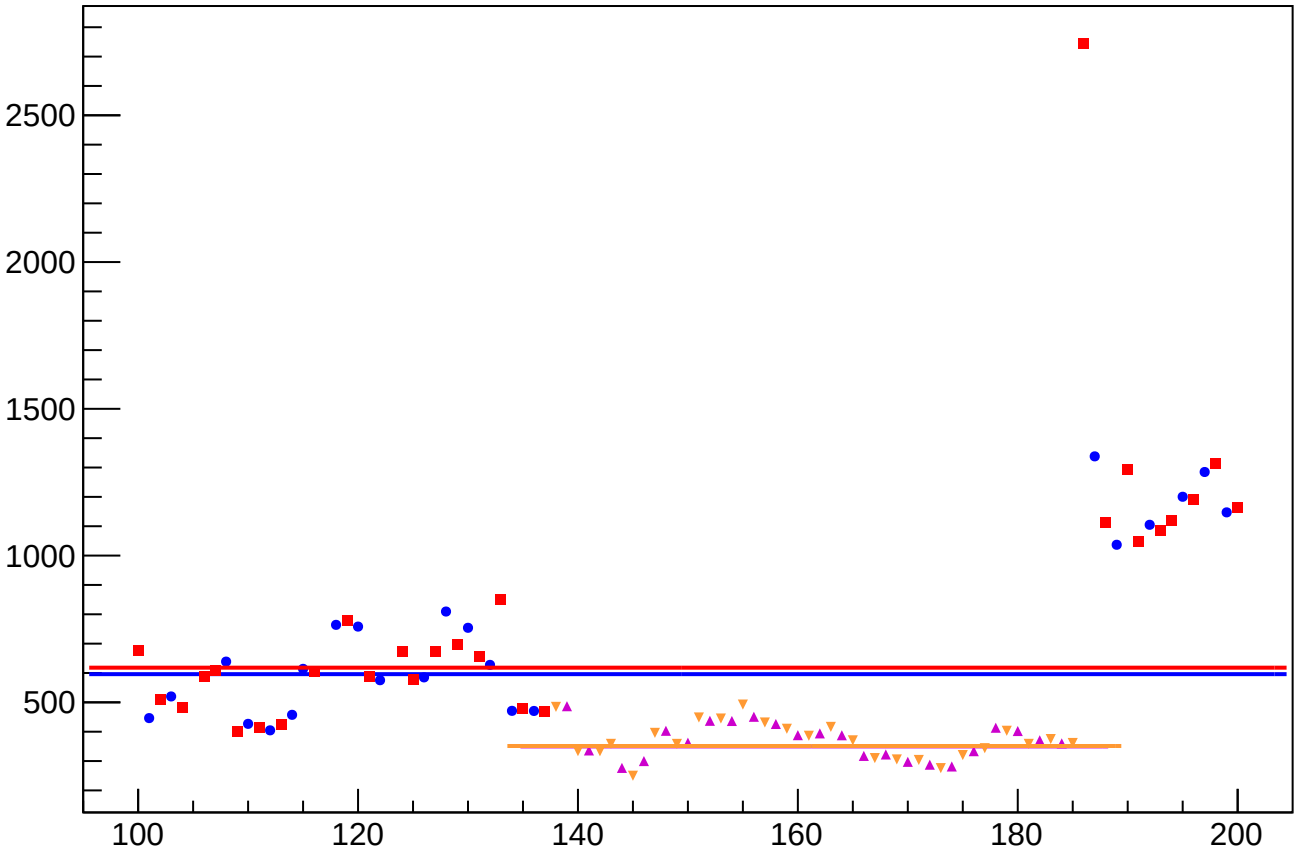
Right Out: -480.193+/-182.253 χ^2/NDF: 20.4/27

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -392.240+/-74.550 χ^2/NDF: 87.9/46

All: -266.790+/-53.081 χ^2/NDF: 141.2/97

- sign -137.790+/-75.597 χ^2/NDF: 47.5/50



Right In: 596.051+/-0.134 χ^2/NDF: 2962832.9/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 618.137+/-0.129 χ^2/NDF: 4149625.1/27

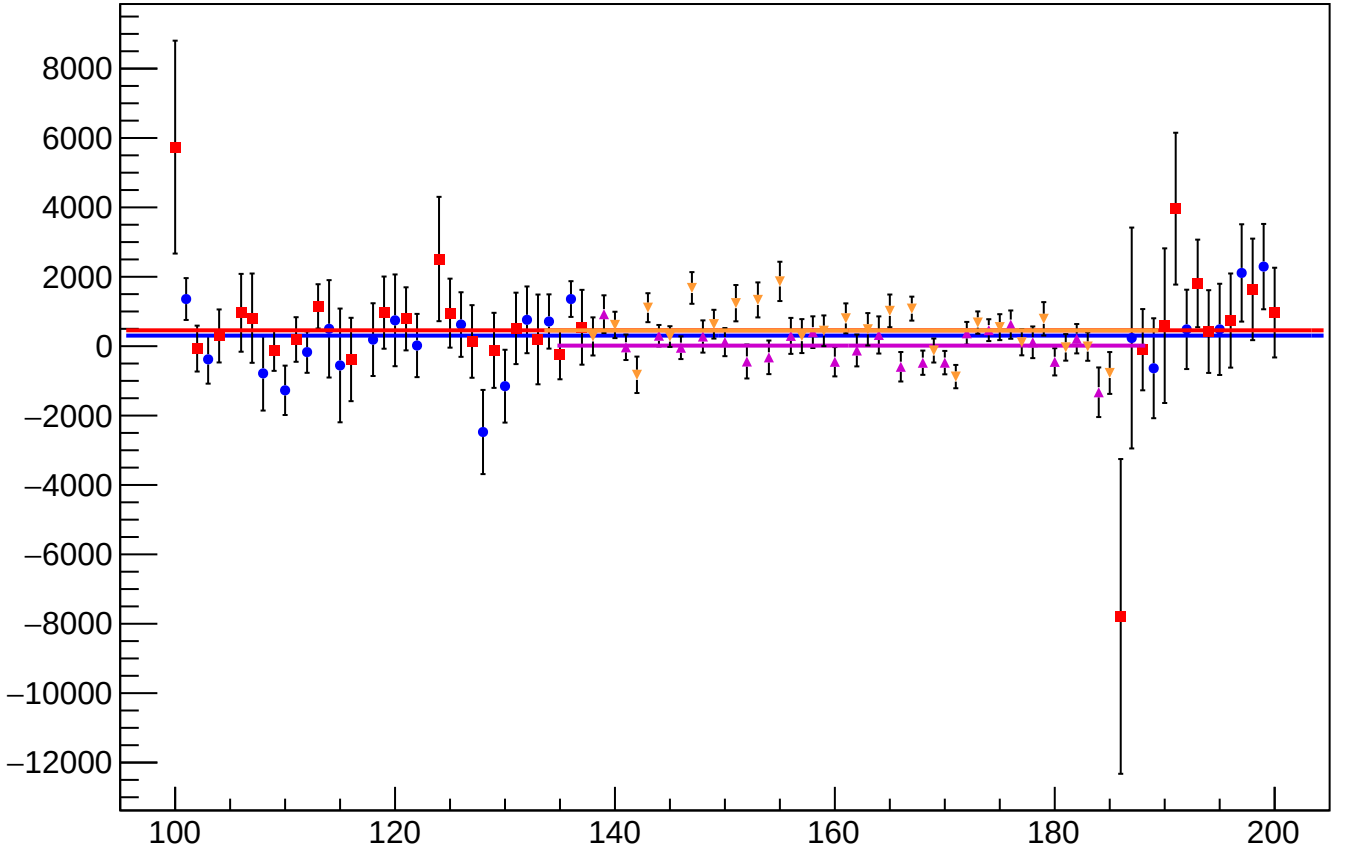
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 389.383+/-0.053 χ^2/NDF: 6916082.3/46

All: 392.635+/-0.038 χ^2/NDF: 15653021.9/97

- sign 395.979+/-0.053 χ^2/NDF: 8729221.0/50

asym_sam_1357_avg_mean vs Slug



Right In: 304.492+/-194.916 χ^2/NDF: 27.8/21

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 457.194+/-189.702 χ^2/NDF: 18.2/27

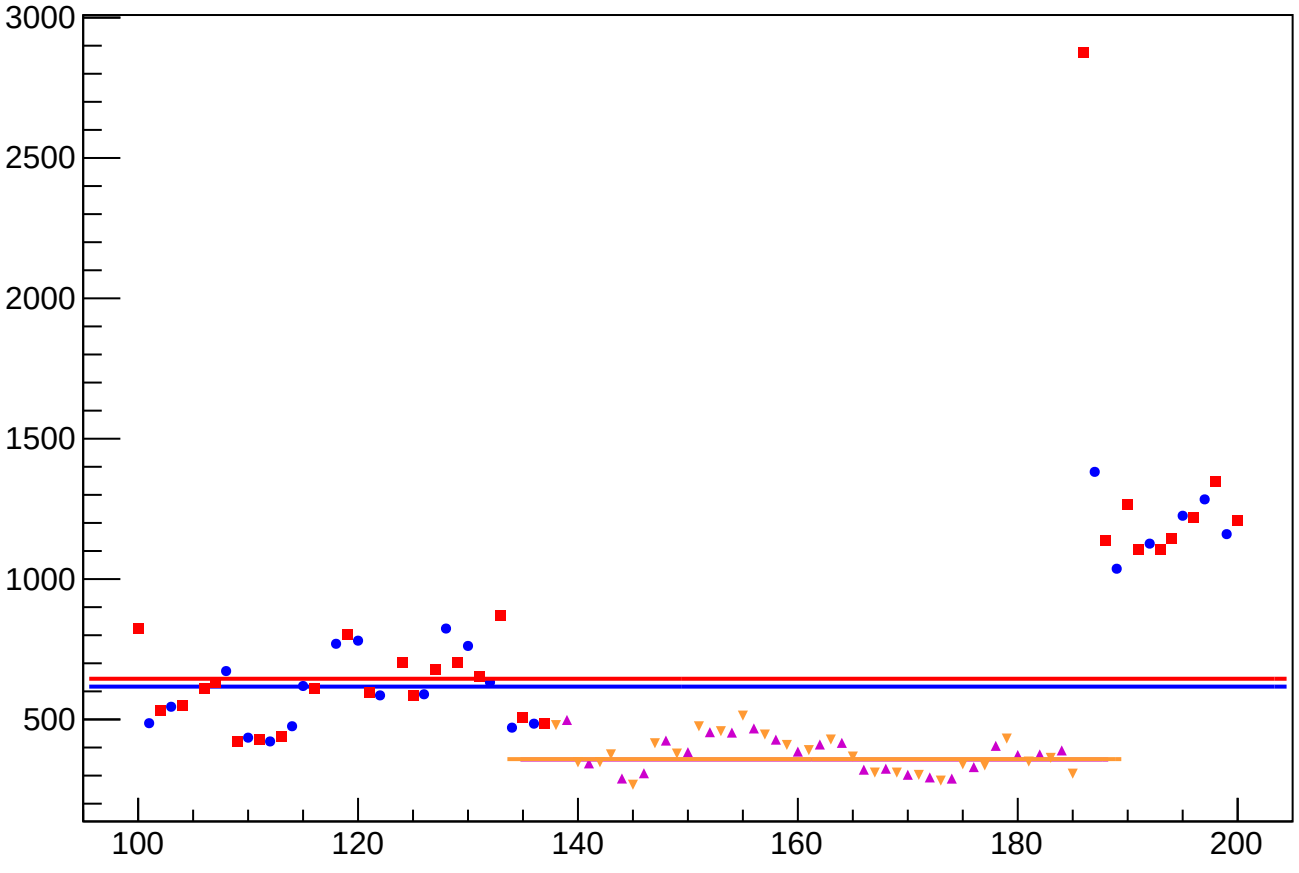
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 432.115+/-76.334 χ^2/NDF: 89.2/46

All: 263.313+/-54.363 χ^2/NDF: 146.7/97

- sign 89.583+/-77.440 χ^2/NDF: 47.6/50

asym_sam_1357_avg_rms vs Slug



Right In: 616.960+/-0.138 χ^2/NDF: 2812958.9/21

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

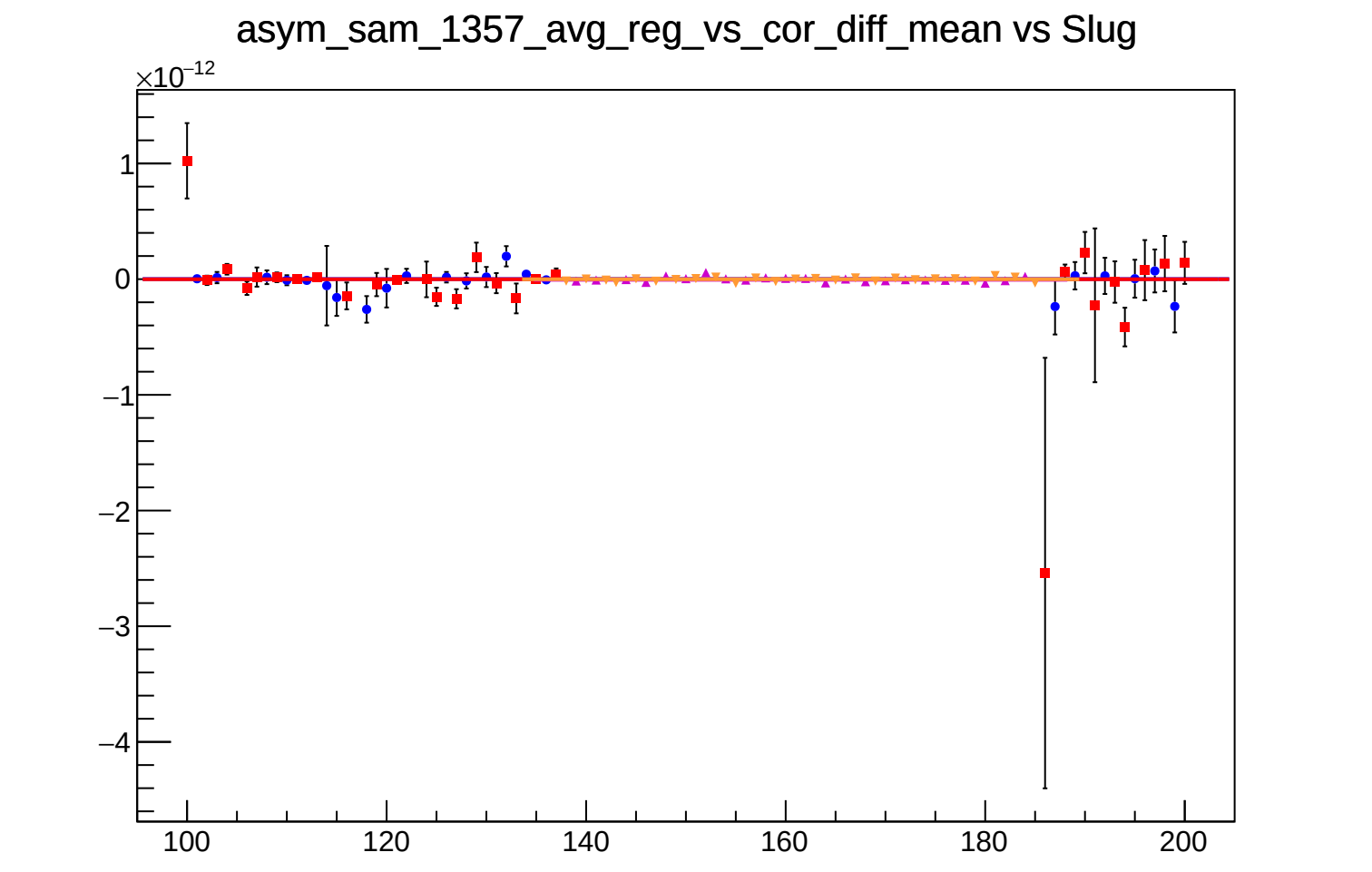
Right Out: 644.979+/-0.134 χ^2/NDF: 3979538.3/27

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 398.290+/-0.054 χ^2/NDF: 6905691.4/46

All: 401.667+/-0.038 χ^2/NDF: 15710898.5/97

- sign 405.142+/-0.055 χ^2/NDF: 8797265.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

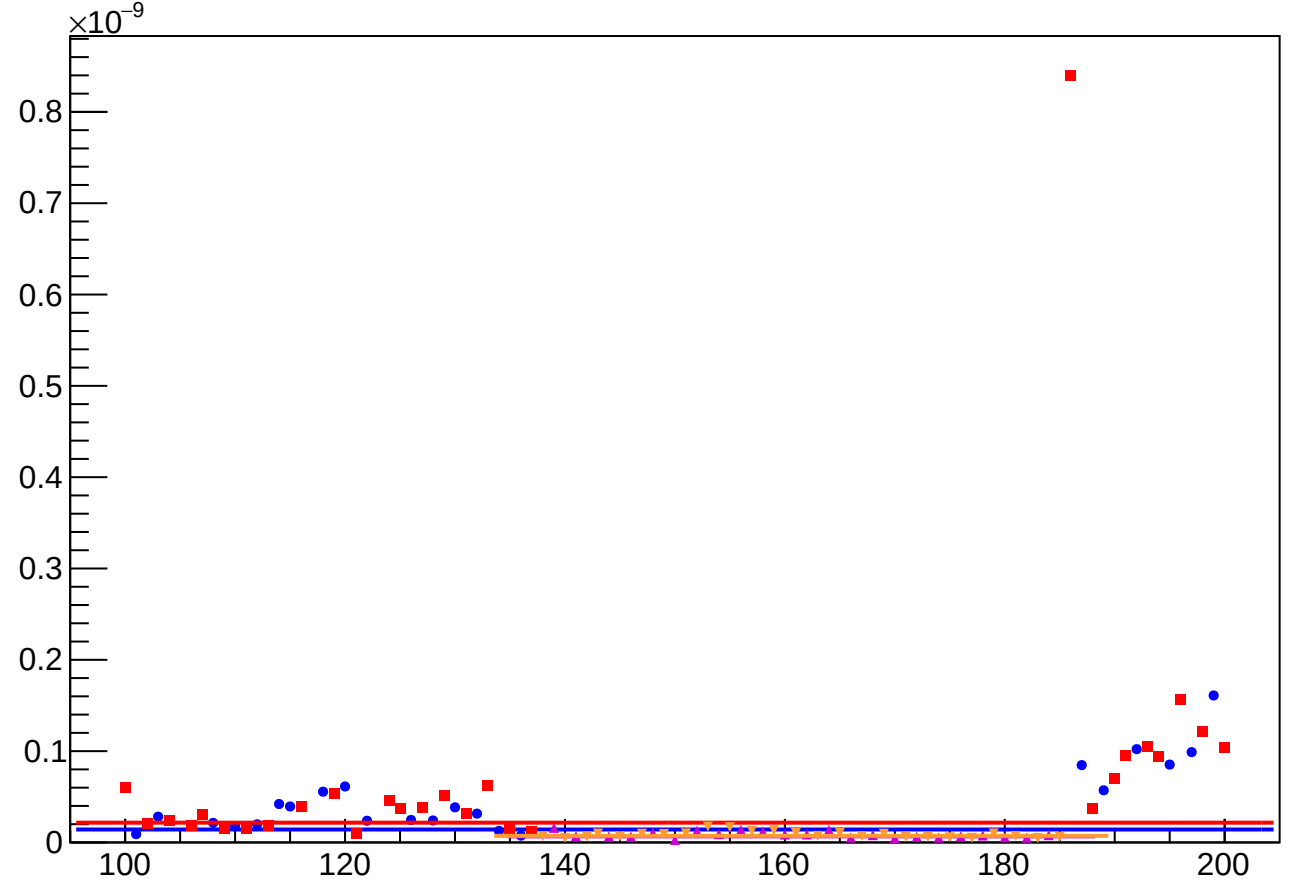
Right Out: -0.000+/-0.000 χ^2/NDF: 41.7/27

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/46

All: -0.000+/-0.000 χ^2/NDF: 105.9/97

- sign -0.000+/-0.000 χ^2/NDF: 70.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 4504057.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

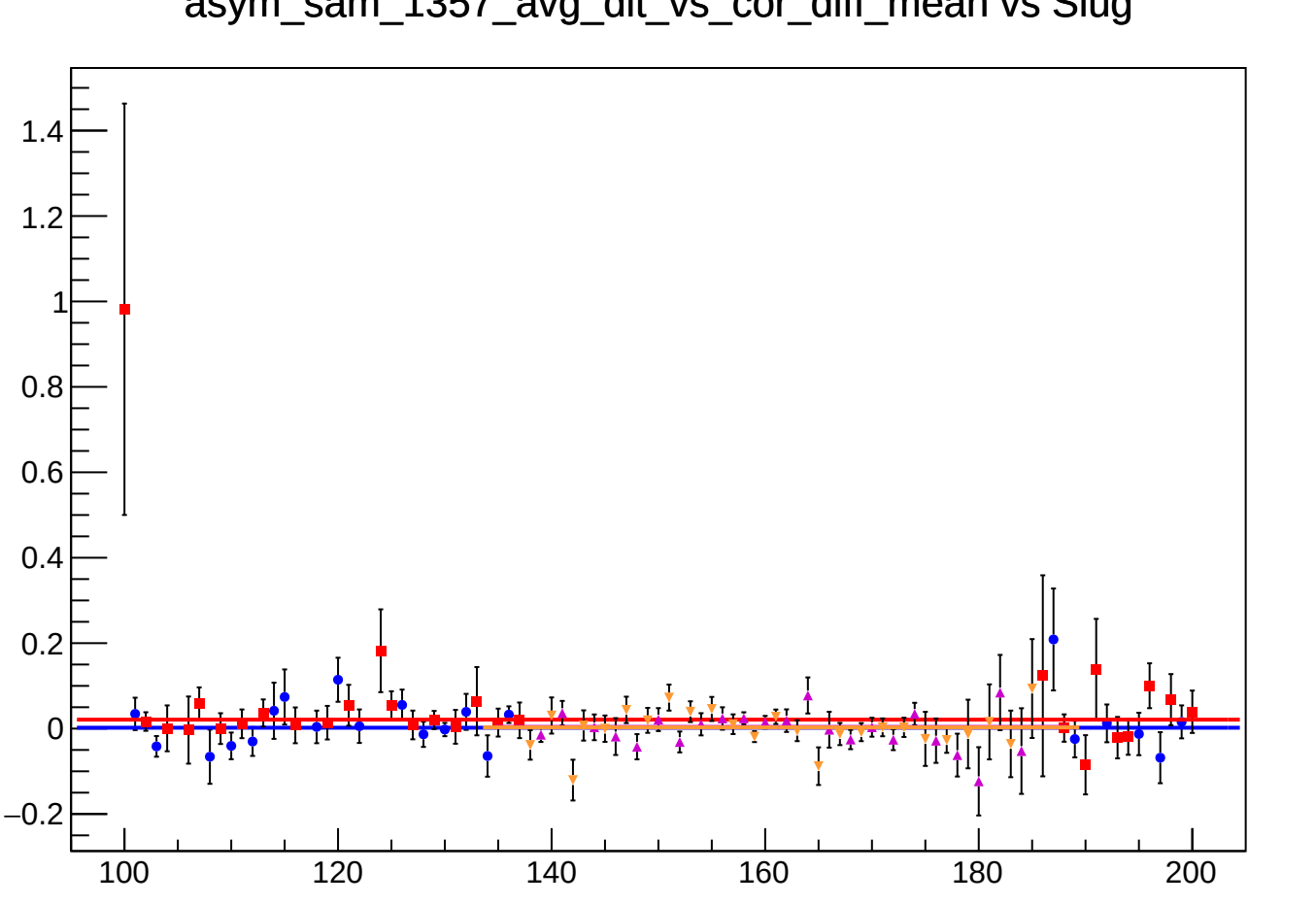
Right Out: 0.000+/-0.000 χ^2/NDF: 4218252.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7022251.0/46

All: 0.000+/-0.000 χ^2/NDF: 16074792.2/97

- sign 0.000+/-0.000 χ^2/NDF: 9029271.5/50



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

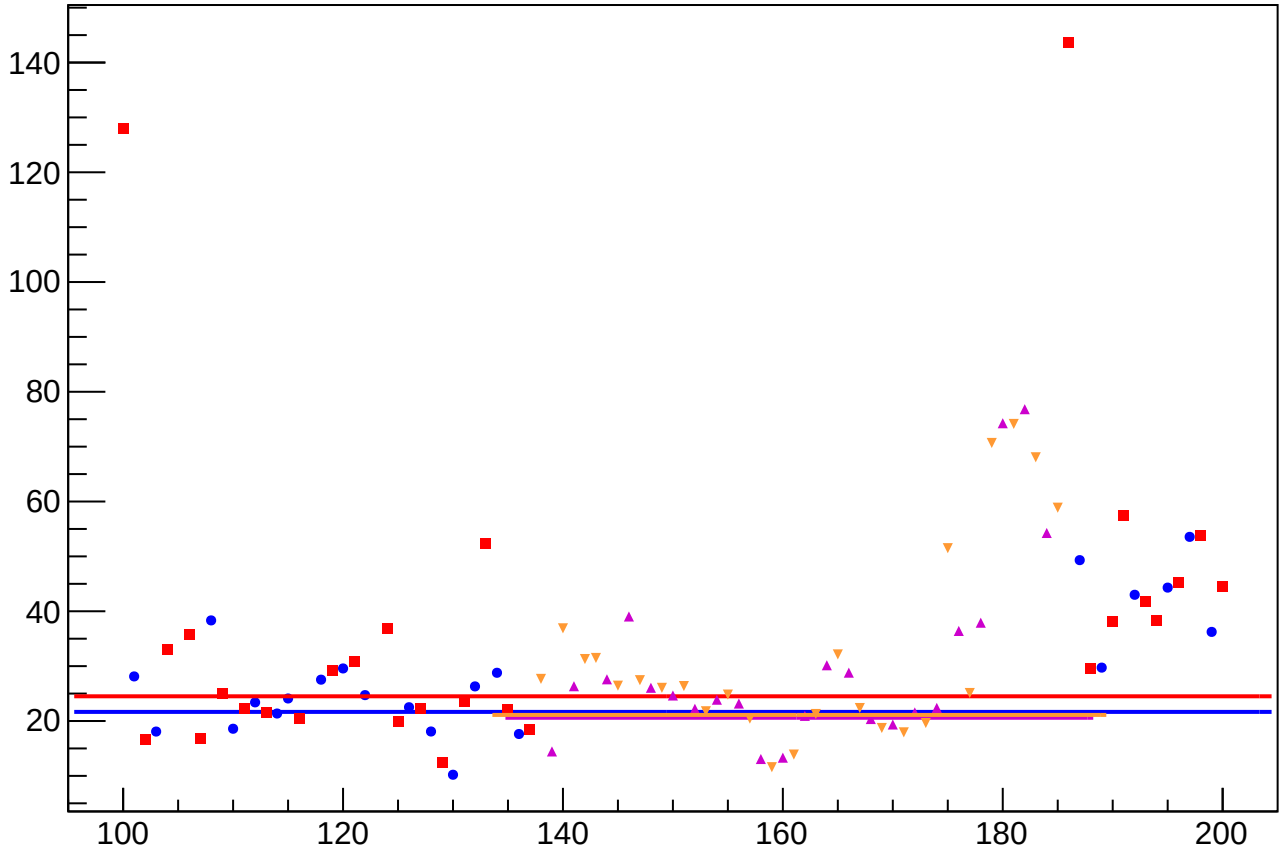
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.4/97

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

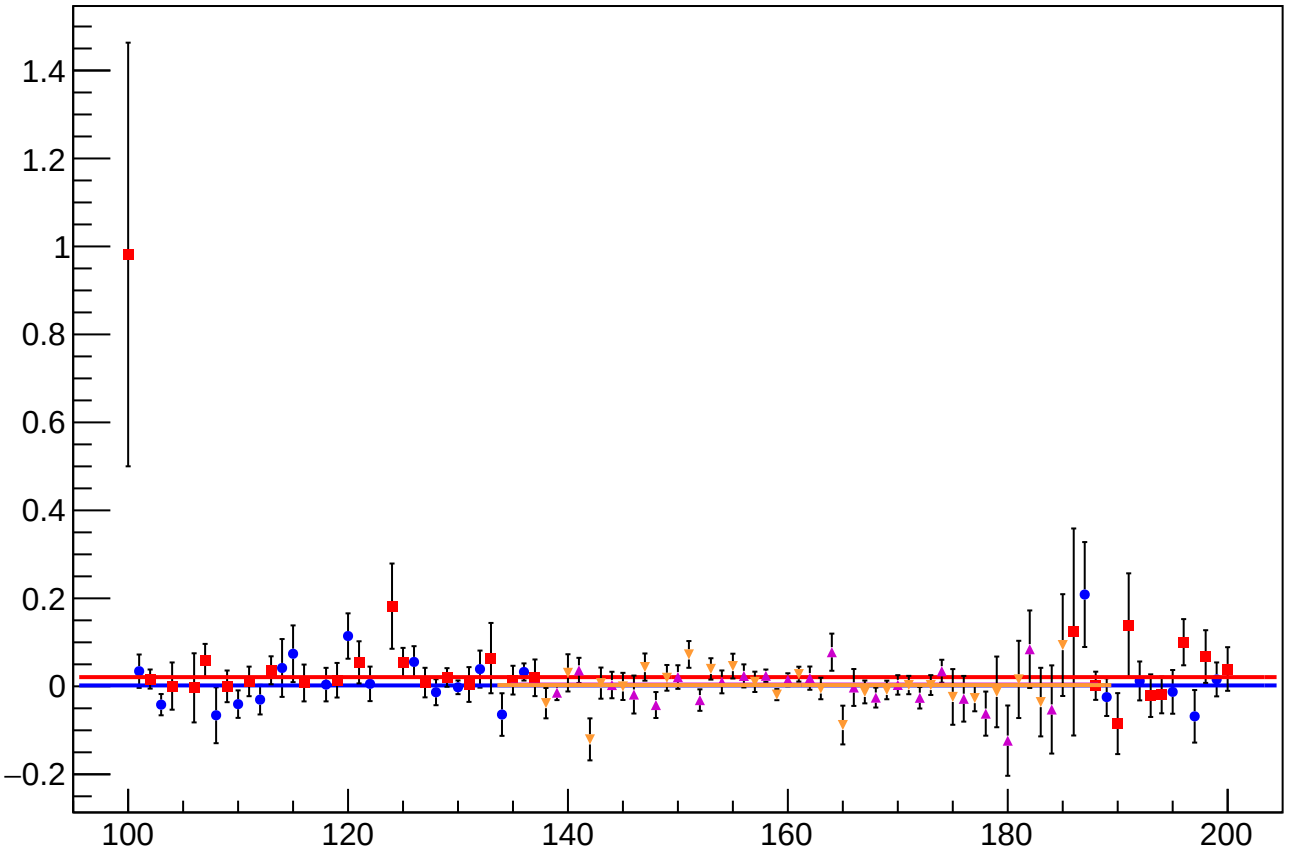
Right Out: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.307+/-0.003 χ^2/NDF: 9107971.9/46

All: 21.608+/-0.002 χ^2/NDF: 18139665.1/97

- sign 21.916+/-0.003 χ^2/NDF: 9012480.2/50



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

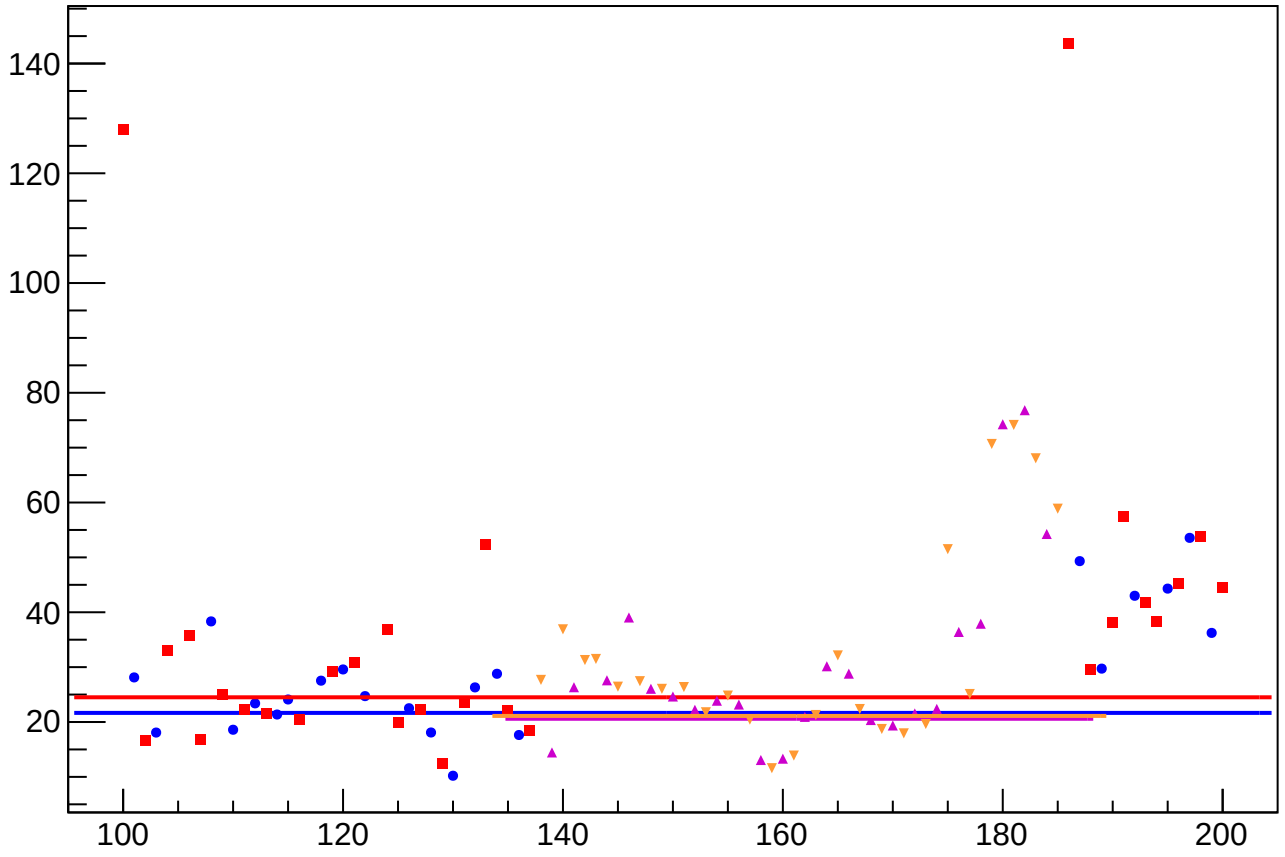
Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.4/97

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

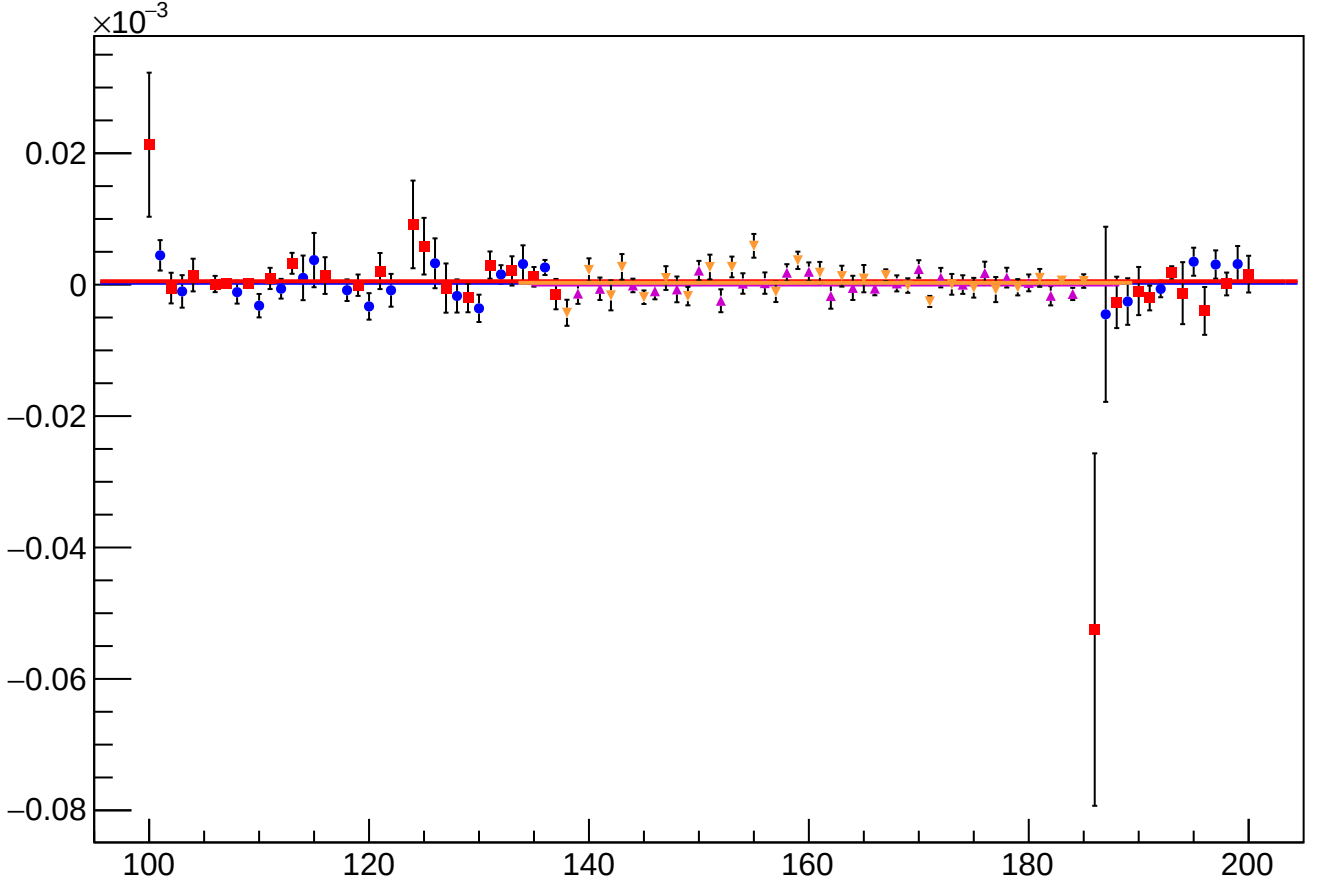
Right Out: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

\+ sign 21.307+/-0.003 χ^2/NDF: 9107971.9/46

All: 21.608+/-0.002 χ^2/NDF: 18139665.1/97

\- sign 21.916+/-0.003 χ^2/NDF: 9012480.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

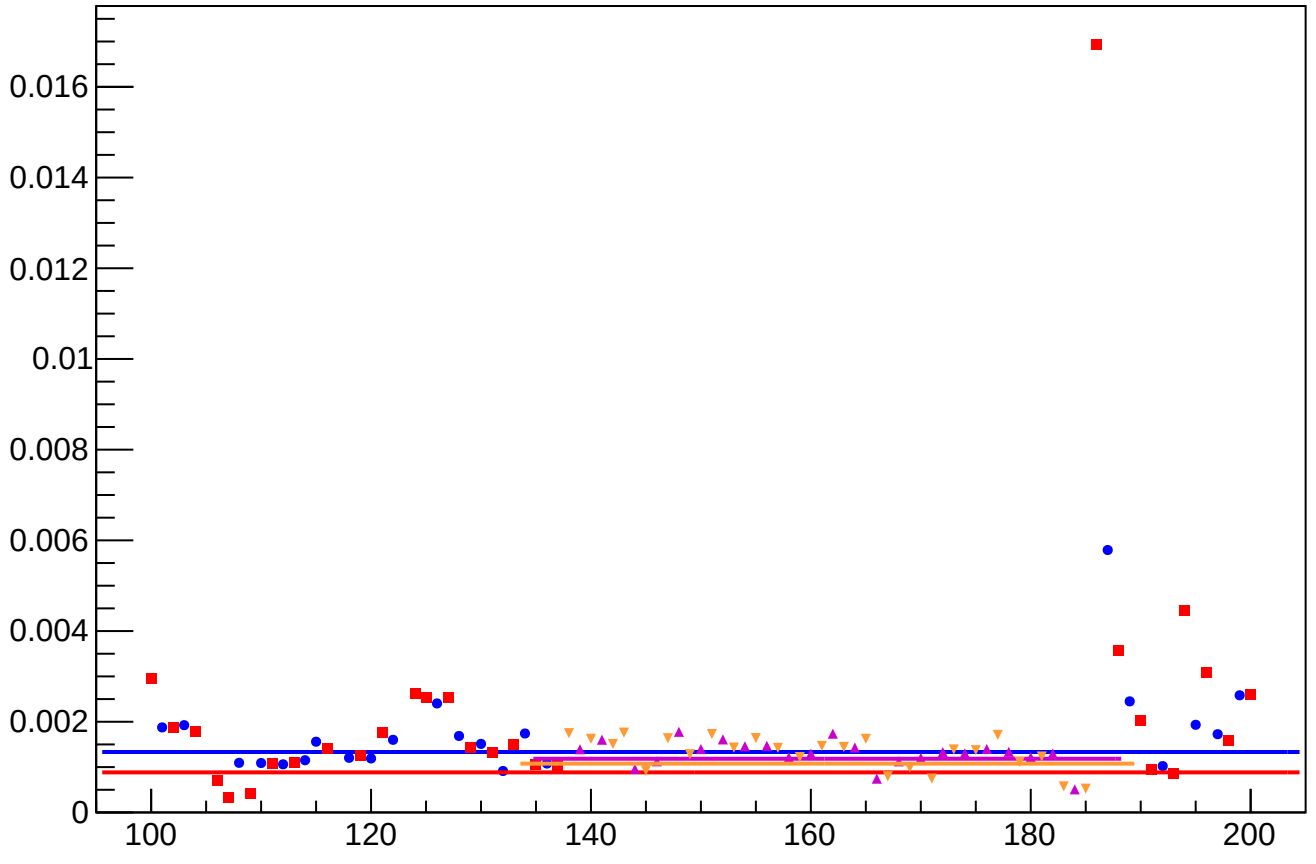
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/27

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/46

All: 0.000+/-0.000 χ^2/NDF: 129.7/97

- sign 0.000+/-0.000 χ^2/NDF: 47.0/50



Right In: 0.001+/-0.000 χ^2/NDF: 2133674.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

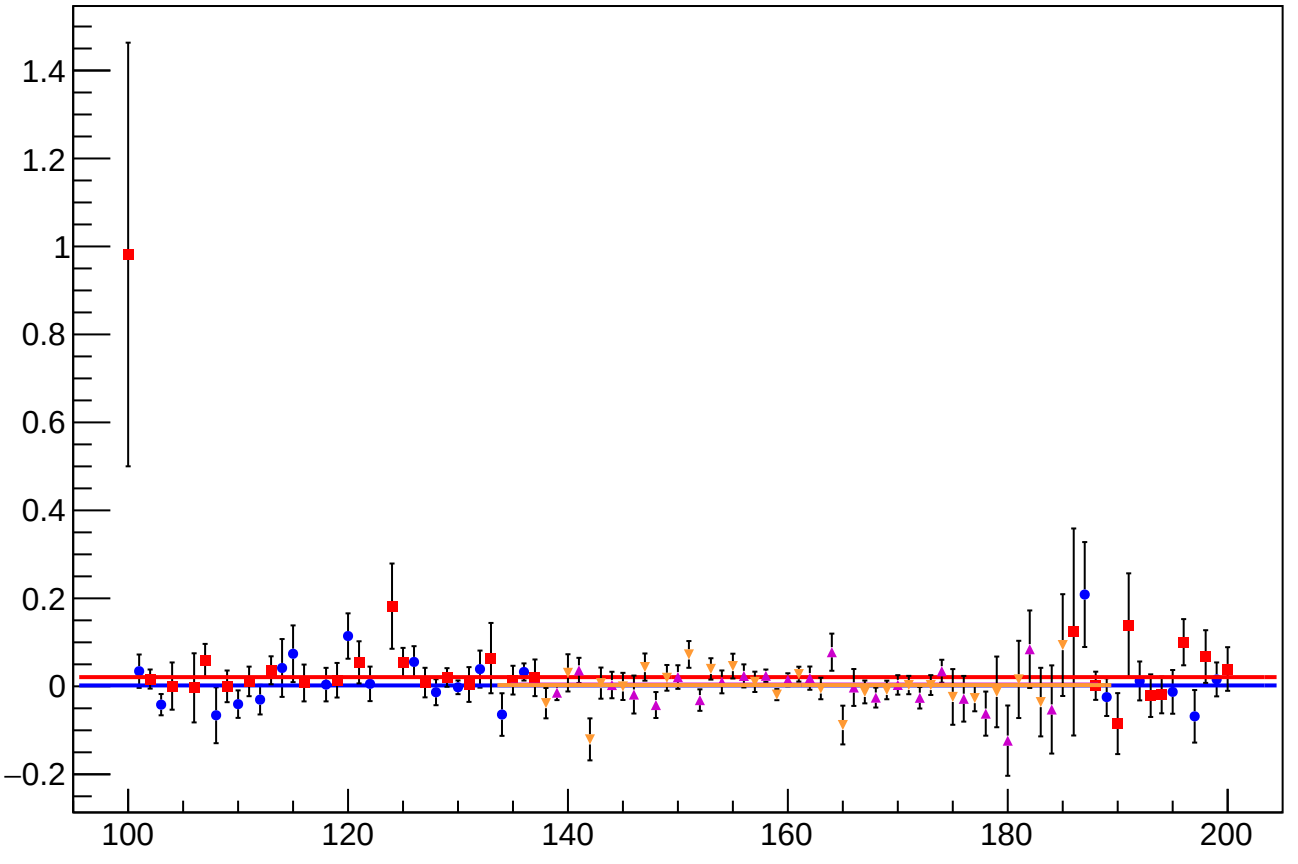
Right Out: 0.001+/-0.000 χ^2/NDF: 9761727.5/27

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 7203882.0/46

All: 0.001+/-0.000 χ^2/NDF: 20681443.3/97

- sign 0.001+/-0.000 χ^2/NDF: 13244825.9/50



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

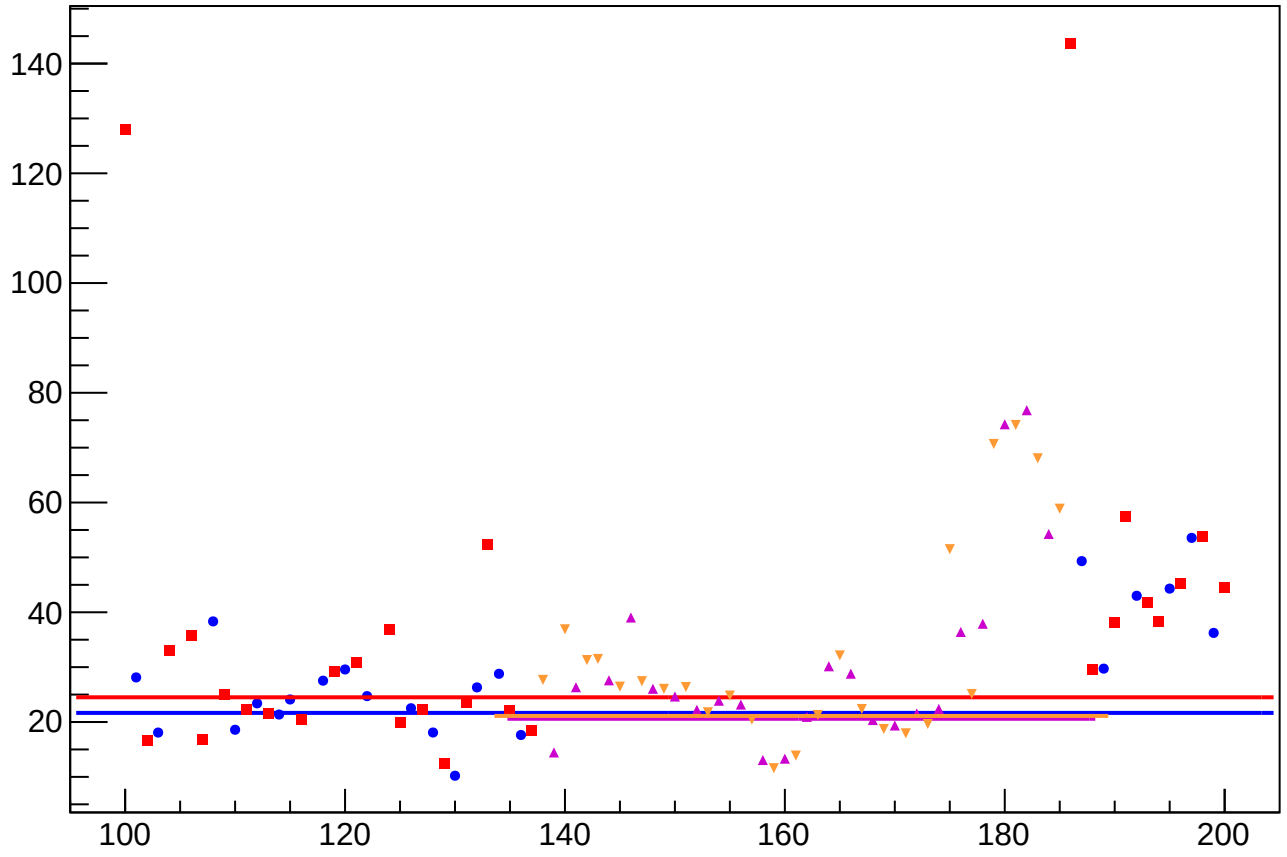
Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.4/97

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

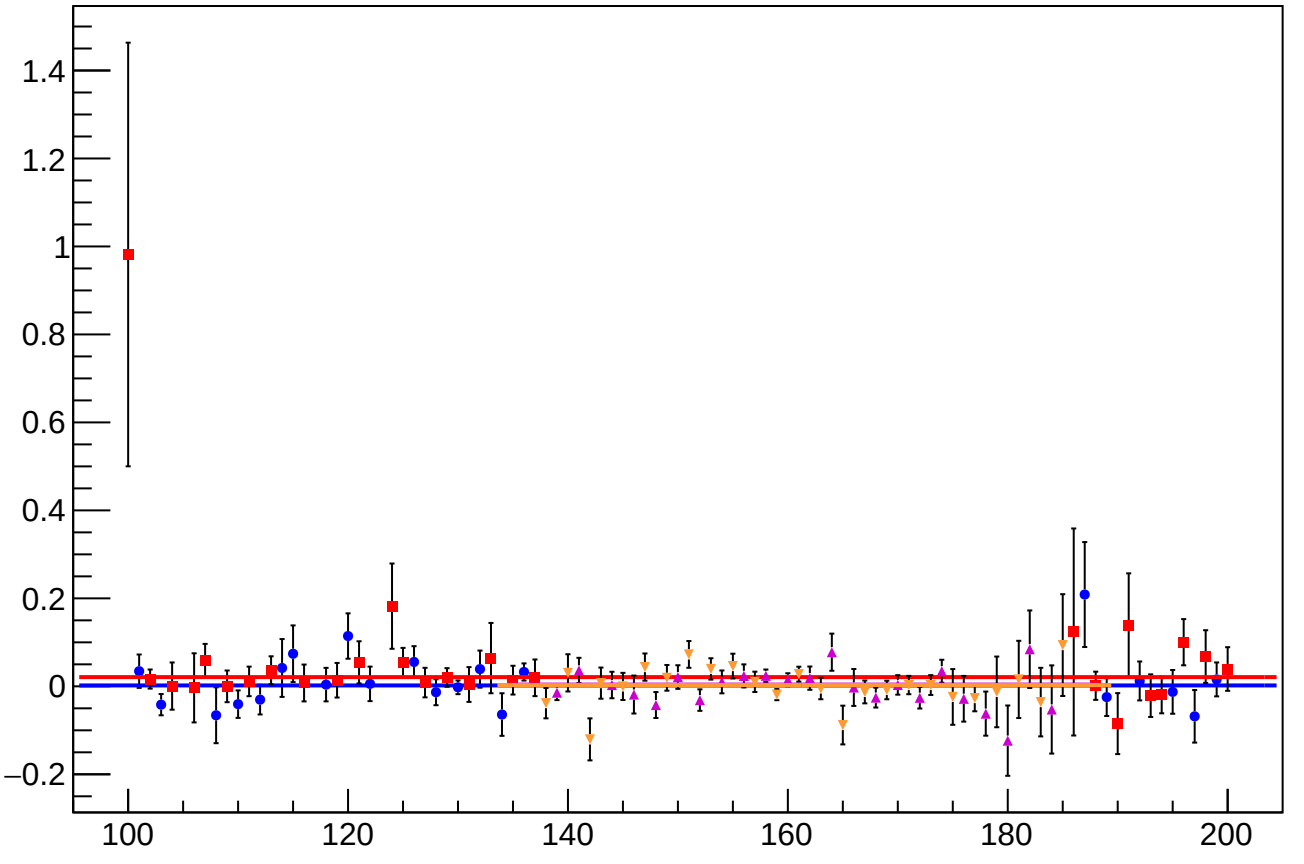
Right Out: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 21.308+/-0.003 χ^2/NDF: 9107915.1/46

All: 21.608+/-0.002 χ^2/NDF: 18139585.9/97

\- sign 21.916+/-0.003 χ^2/NDF: 9012455.4/50



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

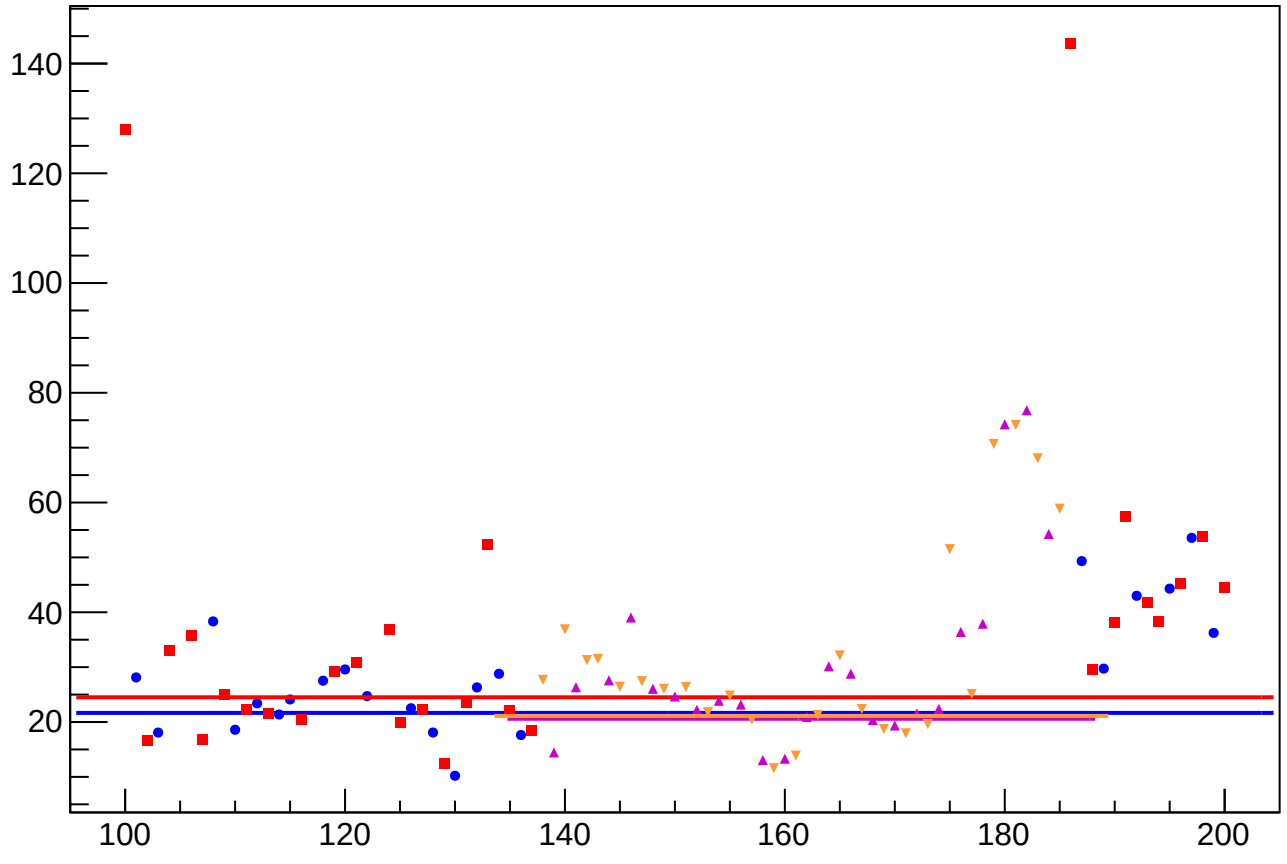
Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.4/97

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

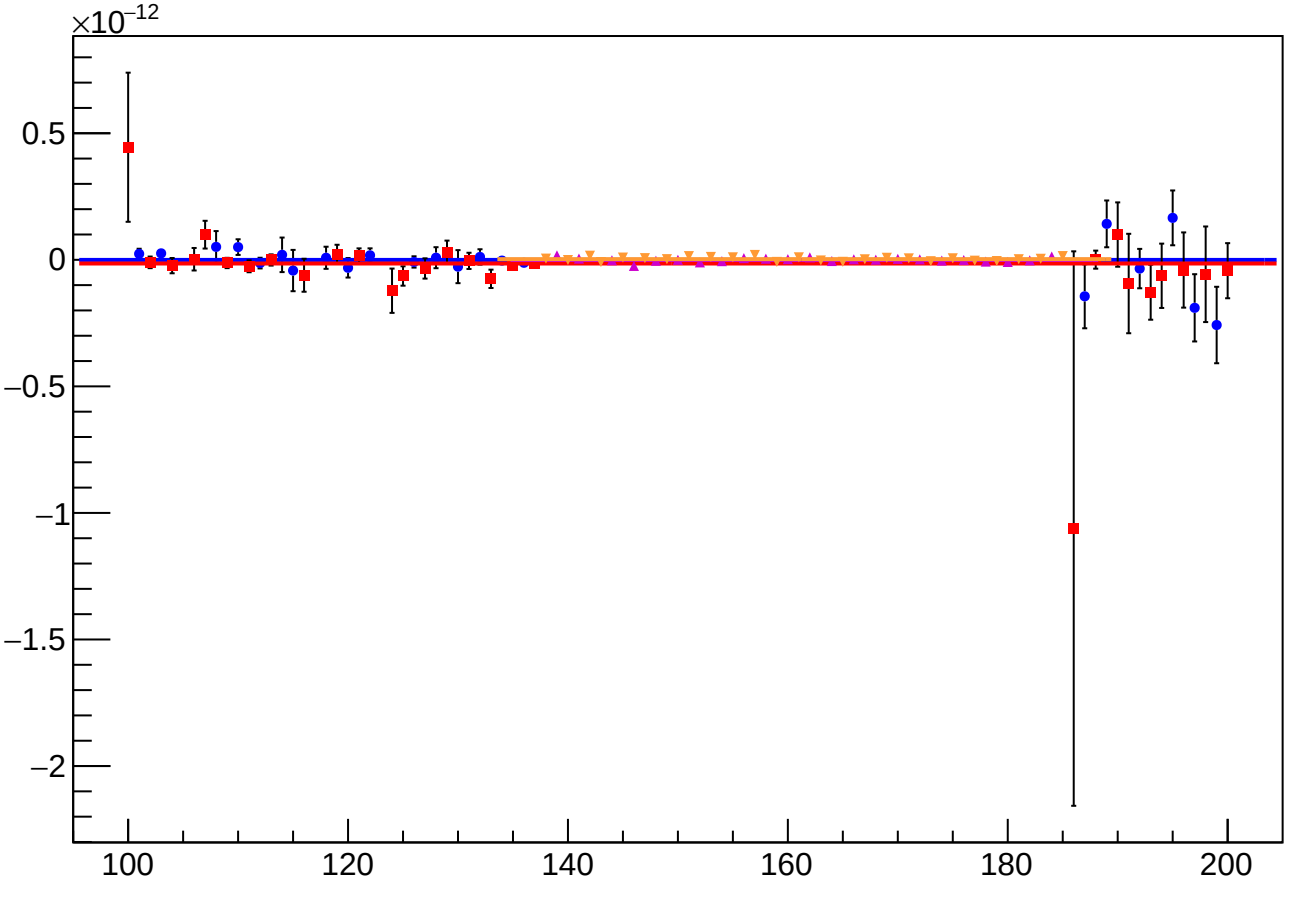
Right Out: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 21.308+/-0.003 χ^2/NDF: 9107915.1/46

All: 21.608+/-0.002 χ^2/NDF: 18139585.9/97

\- sign 21.916+/-0.003 χ^2/NDF: 9012455.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

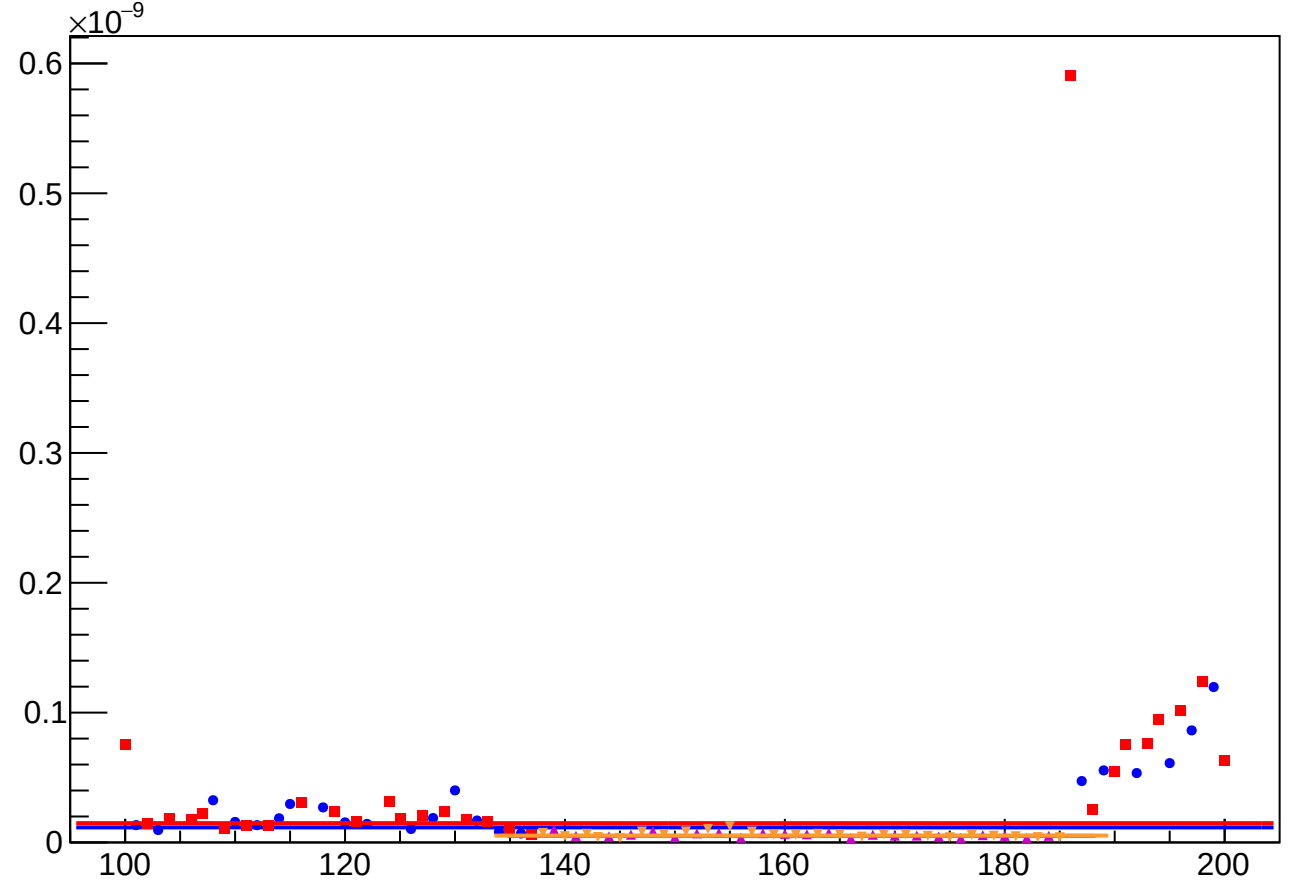
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/27

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.5/46

All: 0.000+/-0.000 χ^2/NDF: 93.0/97

- sign -0.000+/-0.000 χ^2/NDF: 46.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 5149958.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5786195.5/27

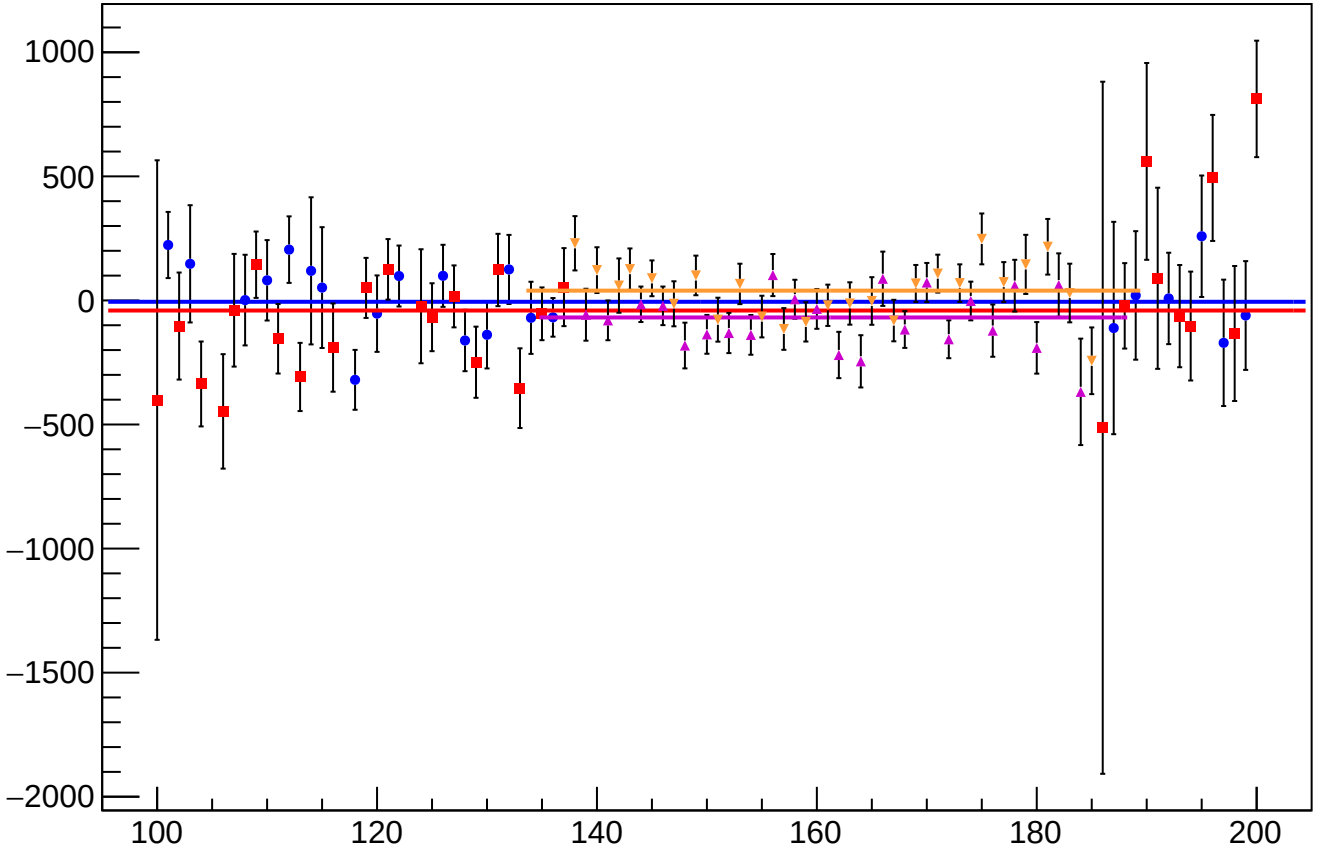
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9606424.4/46

All: 0.000+/-0.000 χ^2/NDF: 21560293.9/97

- sign 0.000+/-0.000 χ^2/NDF: 11949872.5/50

reg_asym_sam_2468_avg_mean vs Slug



Right In: -5.485+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -40.650+/-32.251 χ^2/NDF: 44.0/27

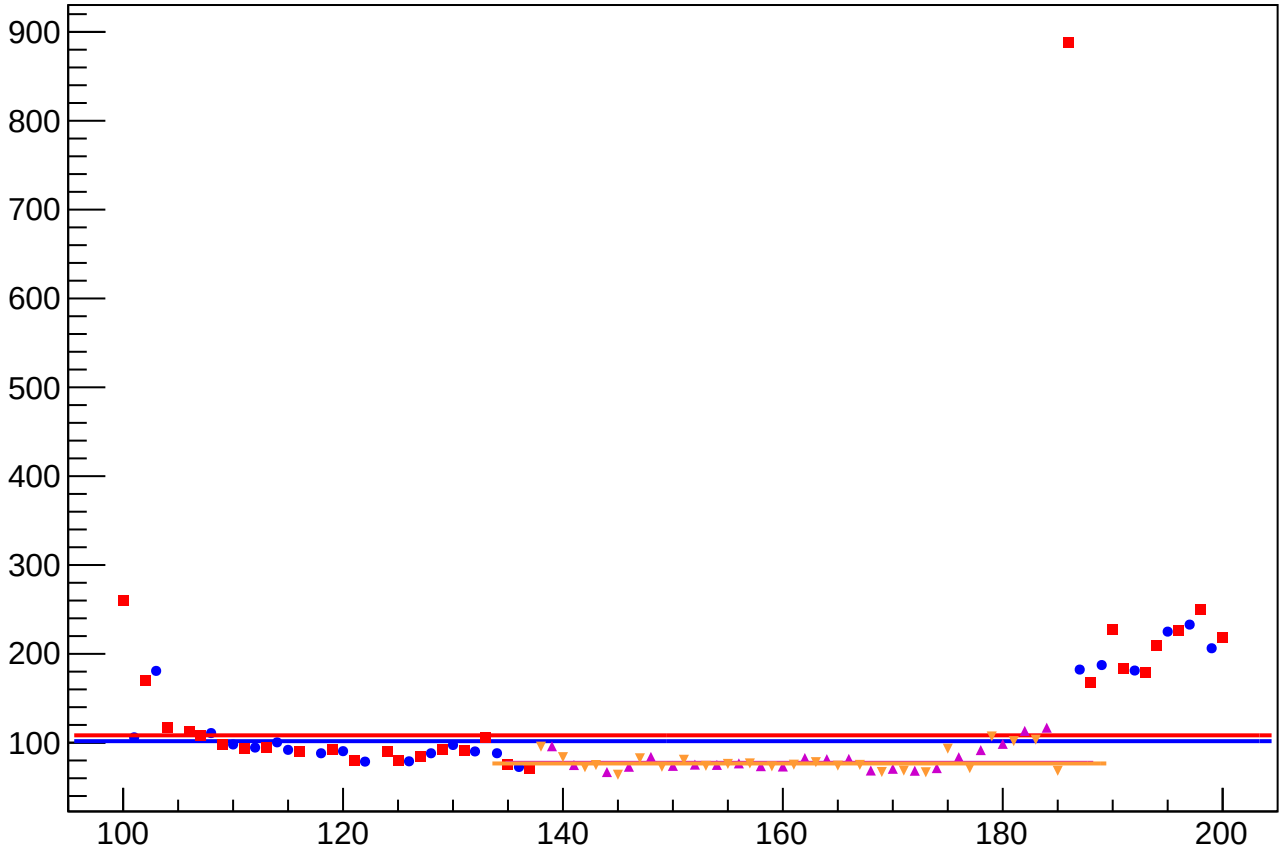
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.166+/-15.509 χ^2/NDF: 54.1/46

All: -15.105+/-11.111 χ^2/NDF: 144.4/97

- sign -61.798+/-15.927 χ^2/NDF: 73.6/50

reg_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904827.9/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

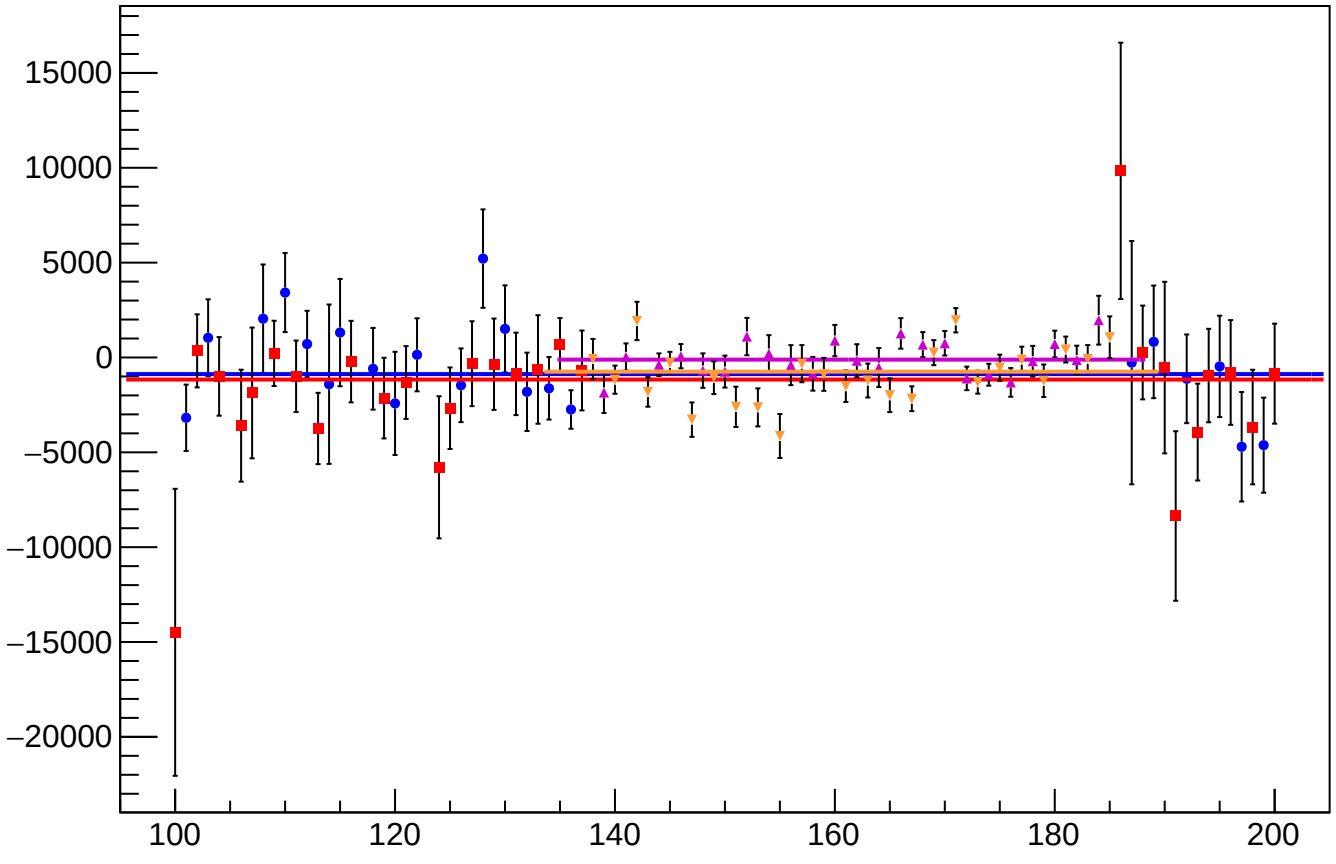
Right Out: 108.299+/-0.023 χ^2/NDF: 4181009.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.400+/-0.011 χ^2/NDF: 4484402.6/46

All: 83.615+/-0.008 χ^2/NDF: 10673801.7/97

- sign 84.897+/-0.011 χ^2/NDF: 6164156.2/50



Right In: -875.809+/-448.762 χ^2/NDF: 24.8/21

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

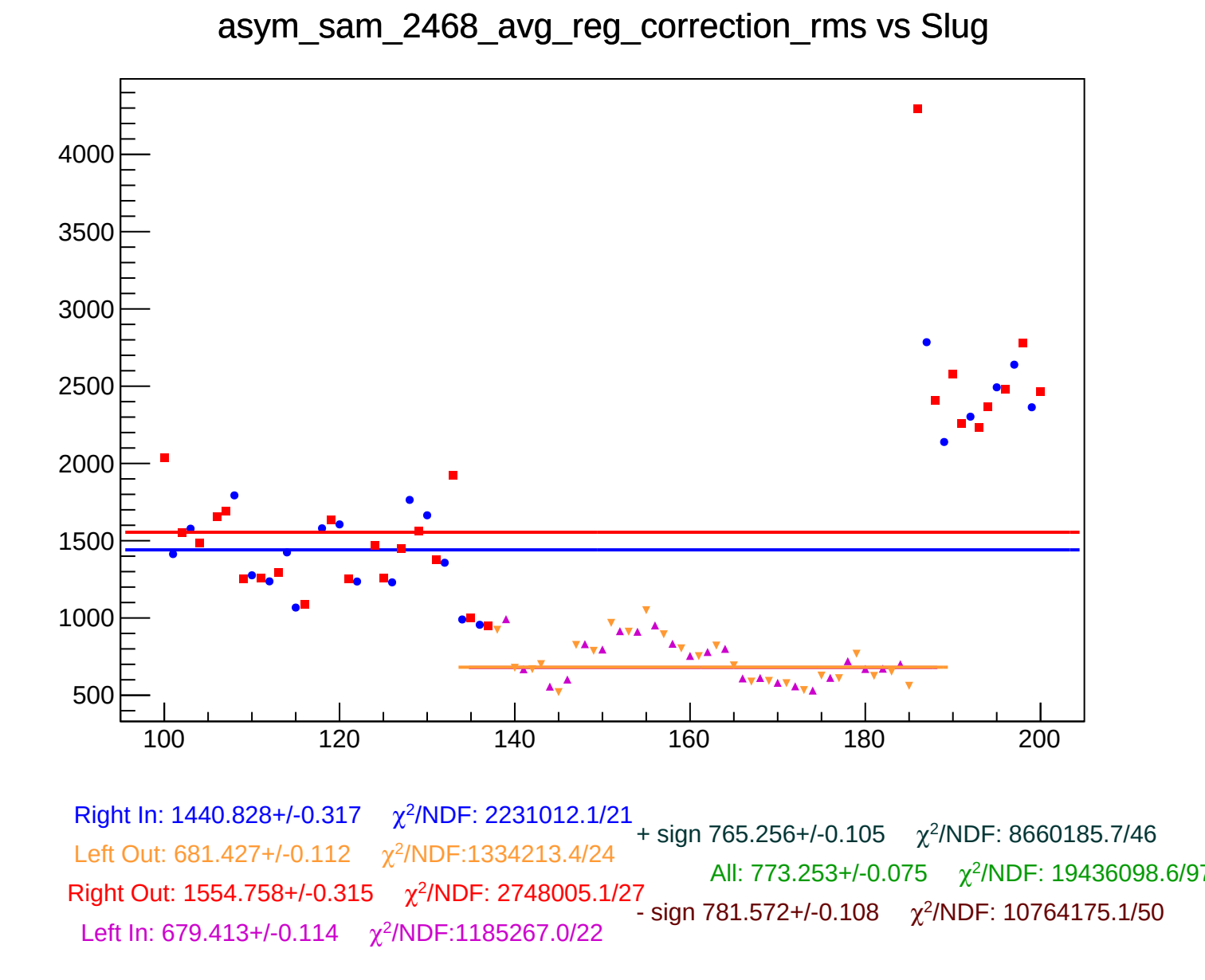
Right Out: -1163.530+/-445.151 χ^2/NDF: 19.0/27

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

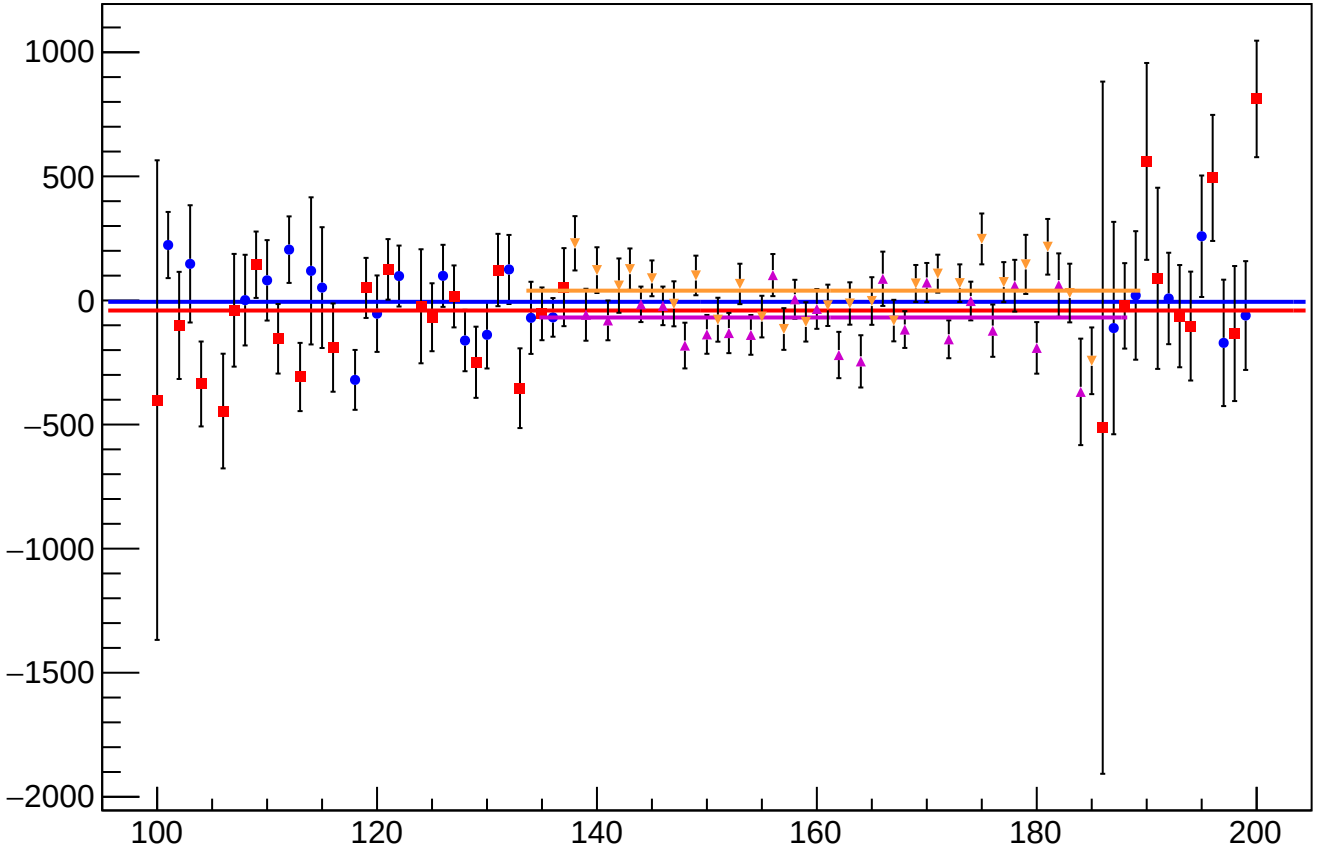
+ sign -763.568+/-149.101 χ^2/NDF: 94.8/46

All: -505.144+/-106.466 χ^2/NDF: 149.9/97

- sign -236.310+/-152.074 χ^2/NDF: 49.0/50


asym_sam_2468_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1440.828+/-0.317 χ²/NDF: 2231012.1/21
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1554.758+/-0.315 χ²/NDF: 2748005.1/27
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
+ sign 765.256+/-0.105 χ²/NDF: 8660185.7/46
All: 773.253+/-0.075 χ²/NDF: 19436098.6/97
- sign 781.572+/-0.108 χ²/NDF: 10764175.1/50

cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -40.526+/-32.252 χ^2/NDF: 43.9/27

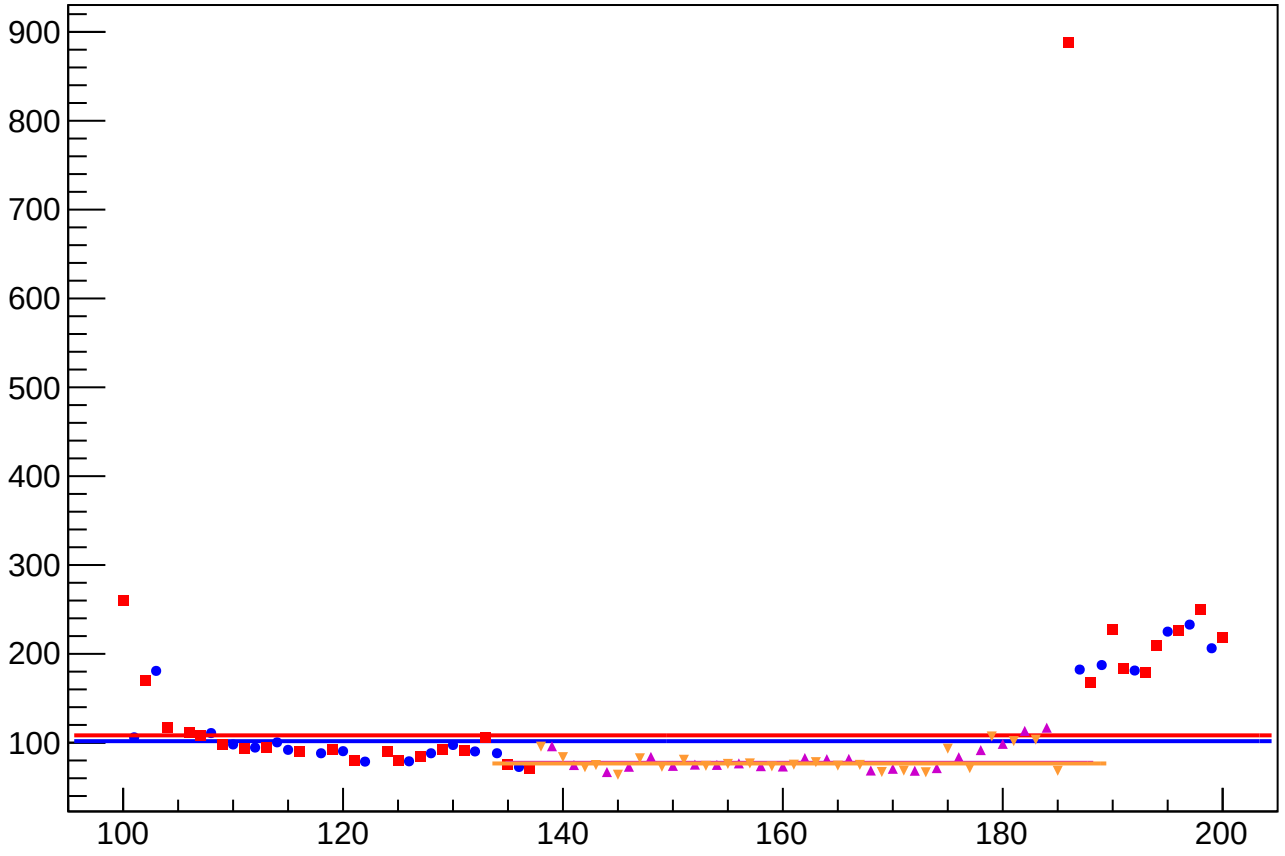
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.170+/-15.509 χ^2/NDF: 54.1/46

All: -15.088+/-11.111 χ^2/NDF: 144.3/97

- sign -61.768+/-15.928 χ^2/NDF: 73.5/50

cor_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

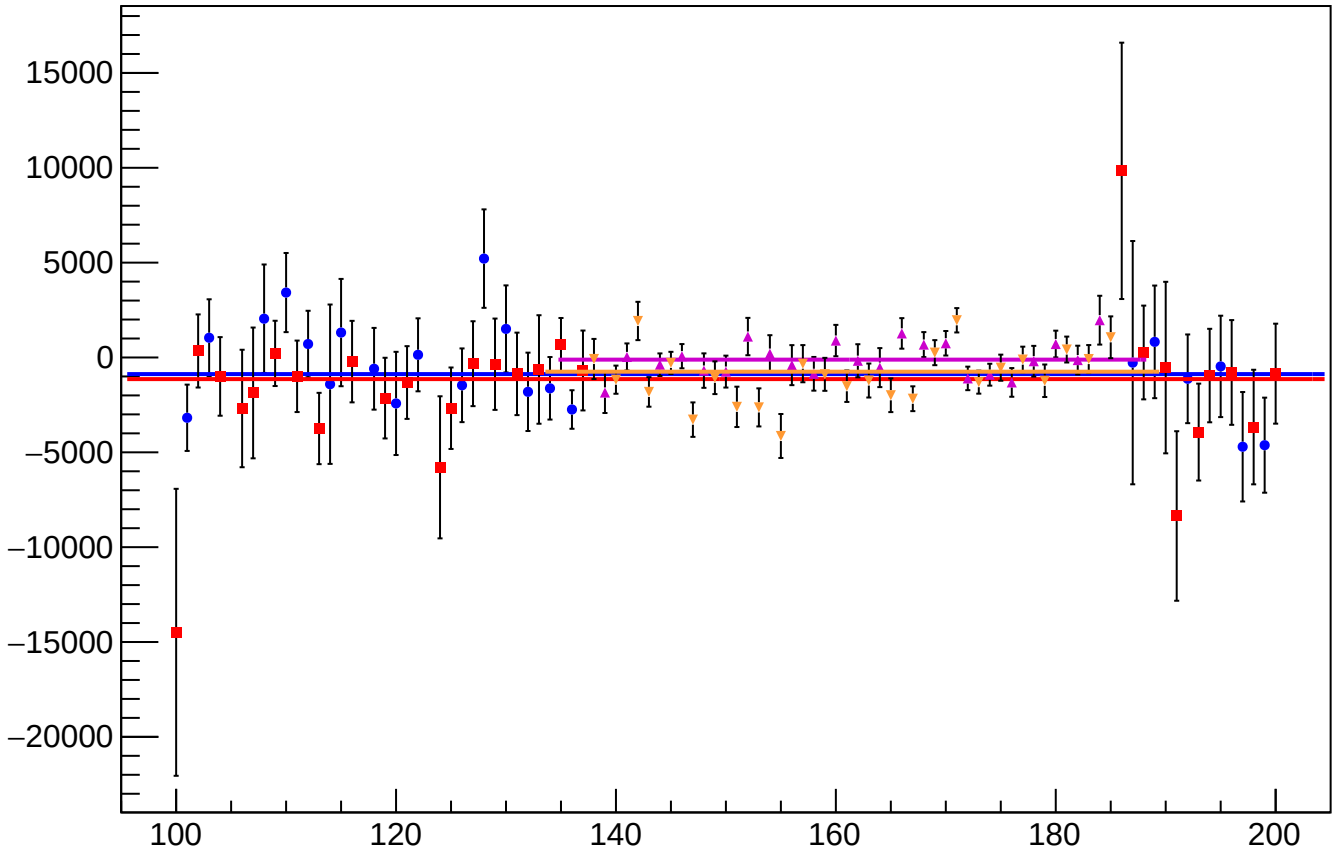
Right Out: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.400+/-0.011 χ^2/NDF: 4484406.1/46

All: 83.612+/-0.008 χ^2/NDF: 10671134.7/97

- sign 84.890+/-0.011 χ^2/NDF: 6161623.1/50



Right In: -875.781+/-448.764 χ^2/NDF: 24.8/21

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1140.150+/-445.632 χ^2/NDF: 18.5/27

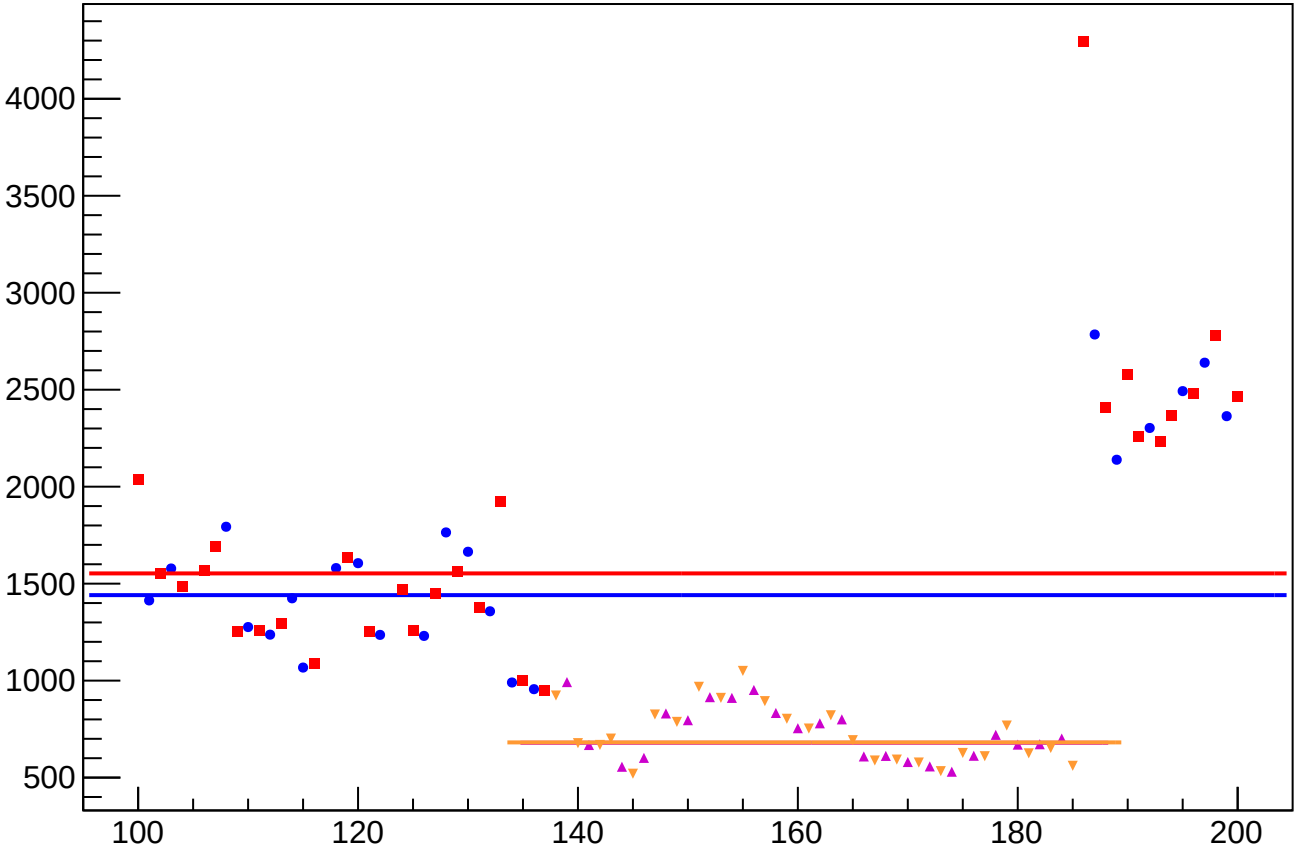
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -763.557+/-149.101 χ^2/NDF: 94.8/46

All: -503.723+/-106.472 χ^2/NDF: 149.3/97

- sign -233.353+/-152.093 χ^2/NDF: 48.3/50

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1552.813+/-0.315 χ^2/NDF: 2745691.7/27

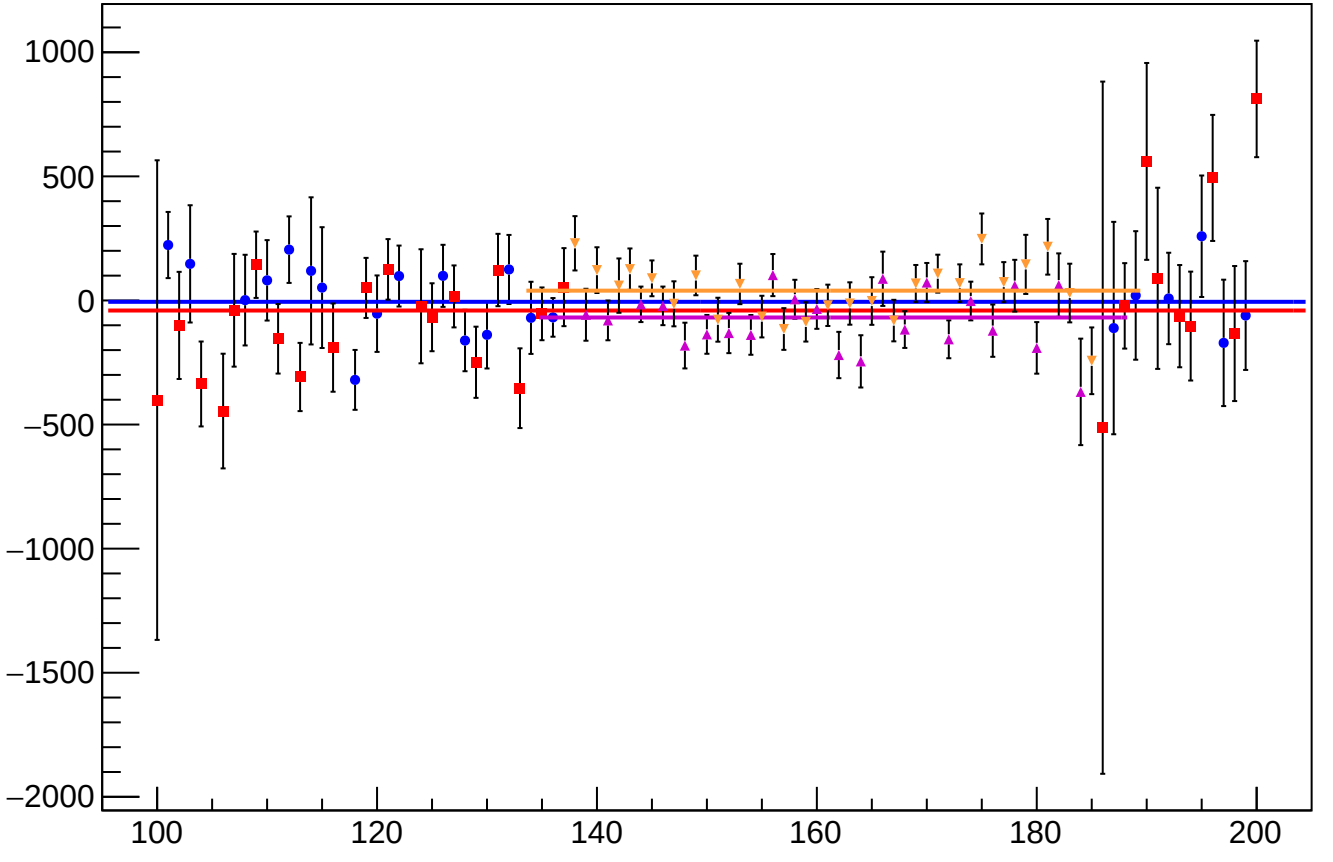
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 765.256+/-0.105 χ^2/NDF: 8660229.0/46

All: 773.046+/-0.075 χ^2/NDF: 19389926.8/97

- sign 781.151+/-0.108 χ^2/NDF: 10718559.2/50

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -40.526+/-32.252 χ^2/NDF: 43.9/27

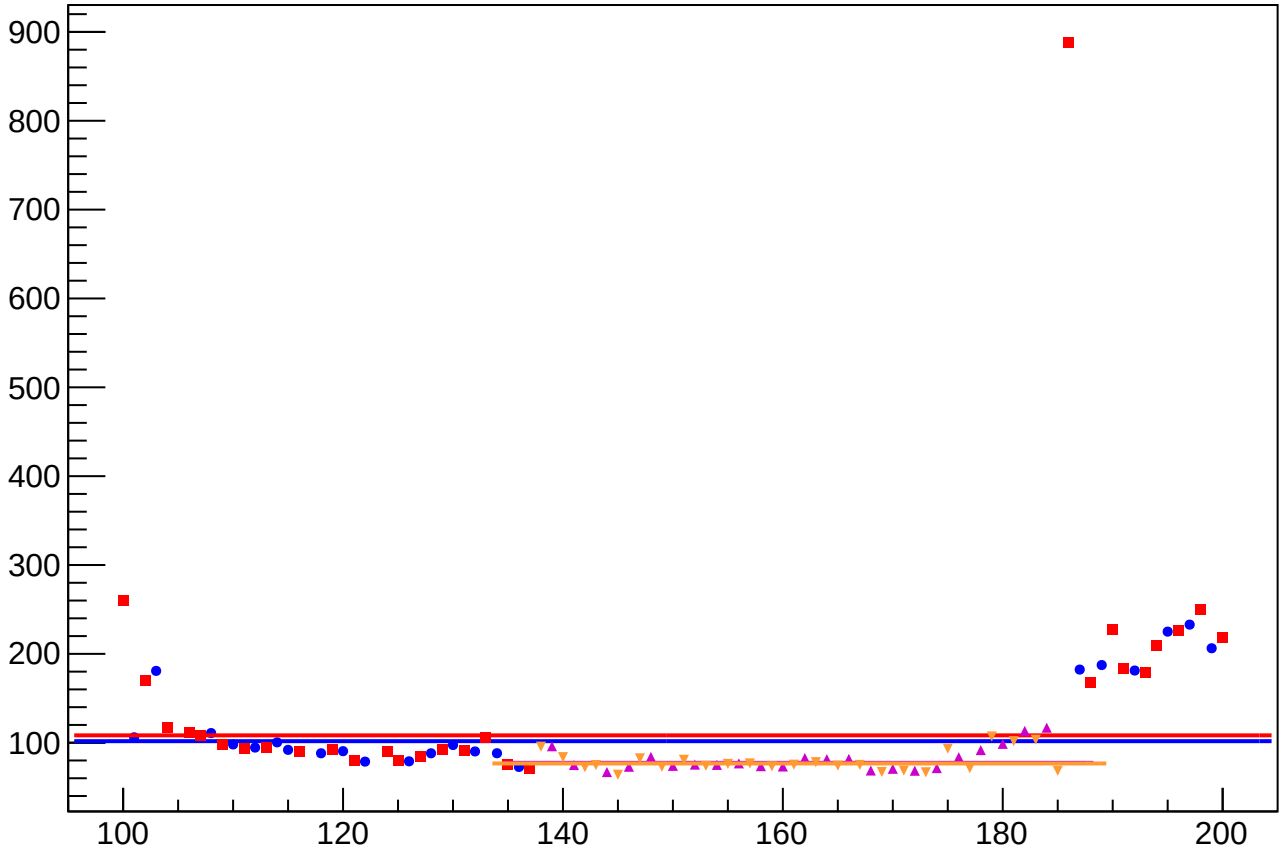
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.170+/-15.509 χ^2/NDF: 54.1/46

All: -15.088+/-11.111 χ^2/NDF: 144.3/97

- sign -61.768+/-15.928 χ^2/NDF: 73.5/50

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

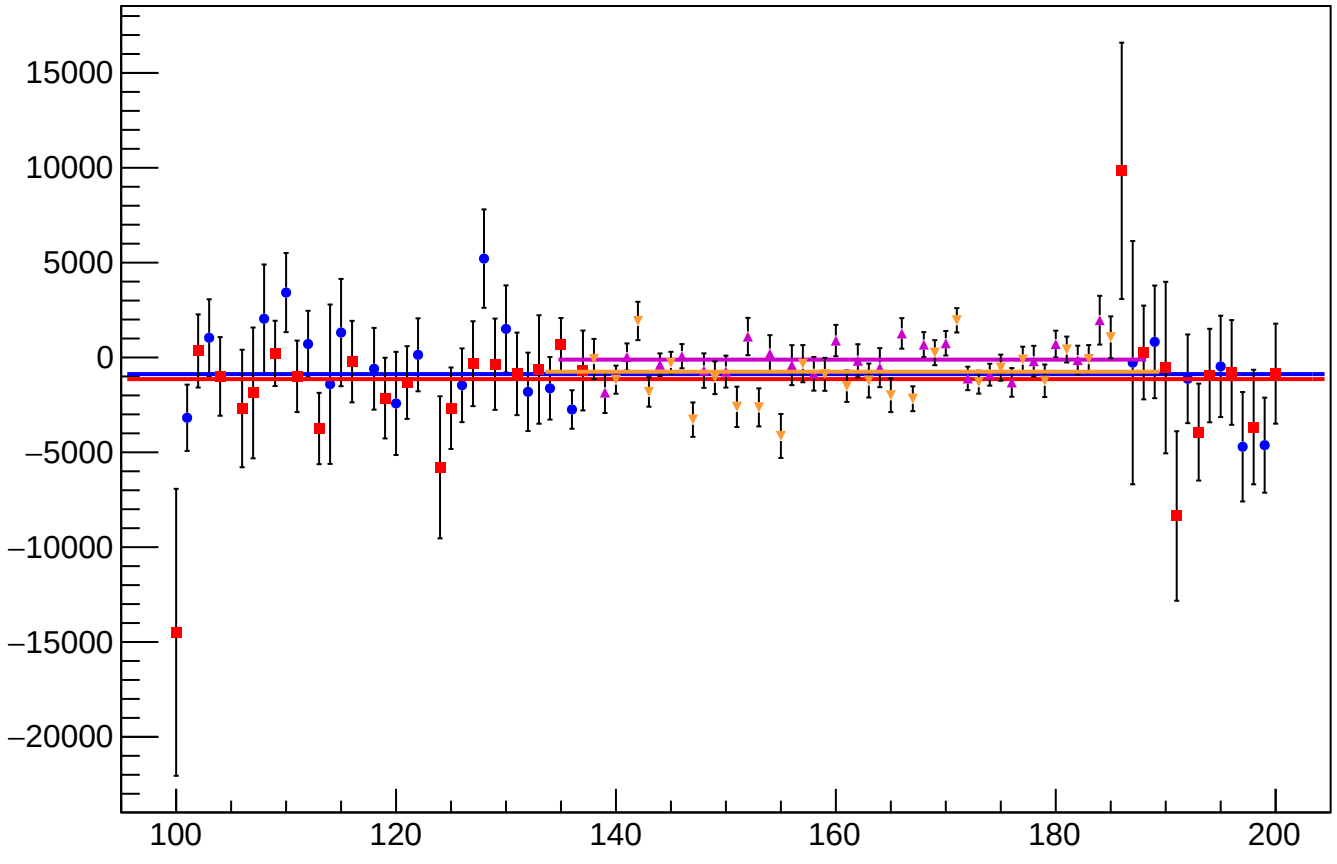
Right Out: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.400+/-0.011 χ^2/NDF: 4484406.1/46

All: 83.612+/-0.008 χ^2/NDF: 10671134.7/97

- sign 84.890+/-0.011 χ^2/NDF: 6161623.1/50



Right In: -875.781+/-448.764 χ^2/NDF: 24.8/21

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

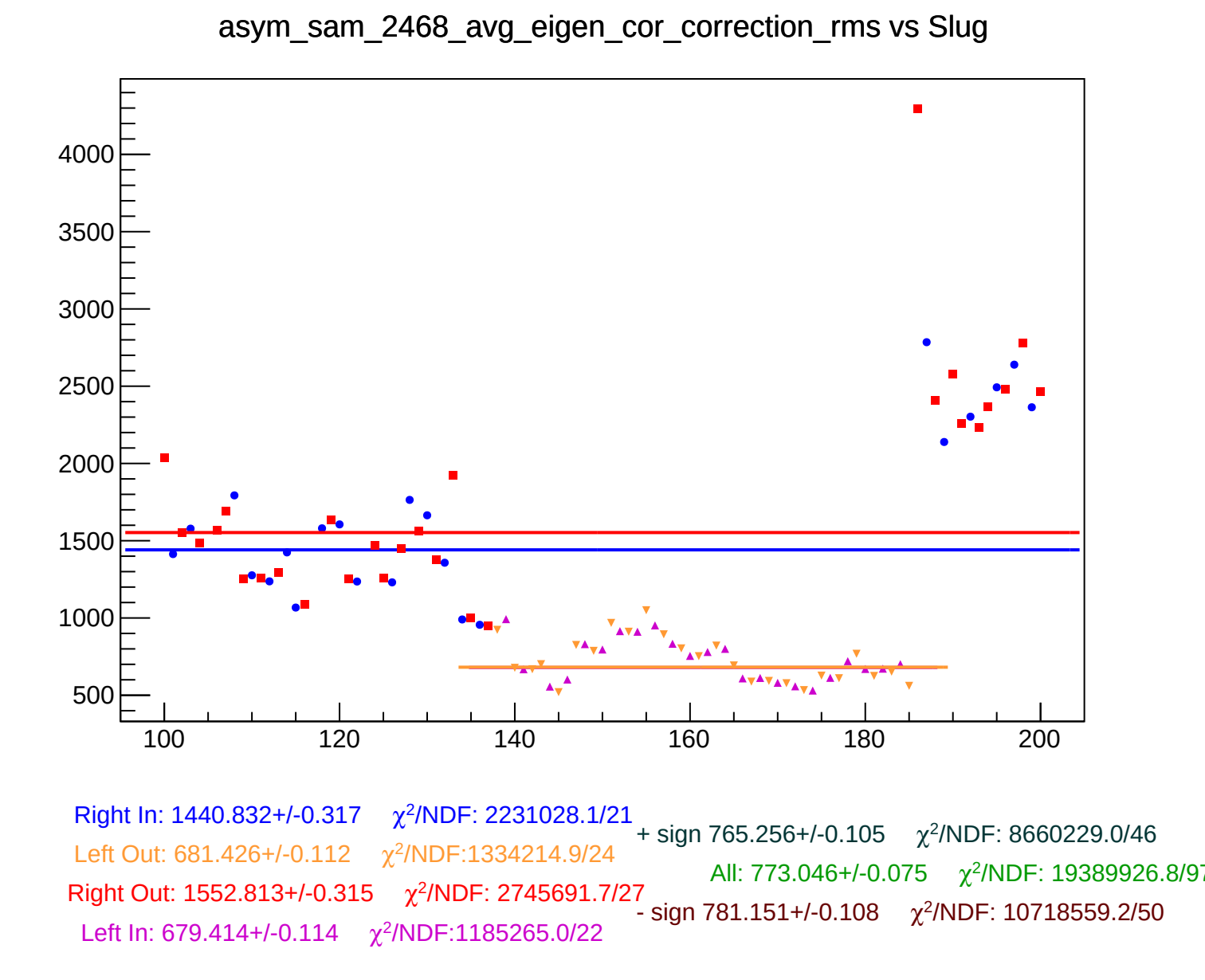
Right Out: -1140.150+/-445.632 χ^2/NDF: 18.5/27

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -763.557+/-149.101 χ^2/NDF: 94.8/46

All: -503.723+/-106.472 χ^2/NDF: 149.3/97

- sign -233.353+/-152.093 χ^2/NDF: 48.3/50


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
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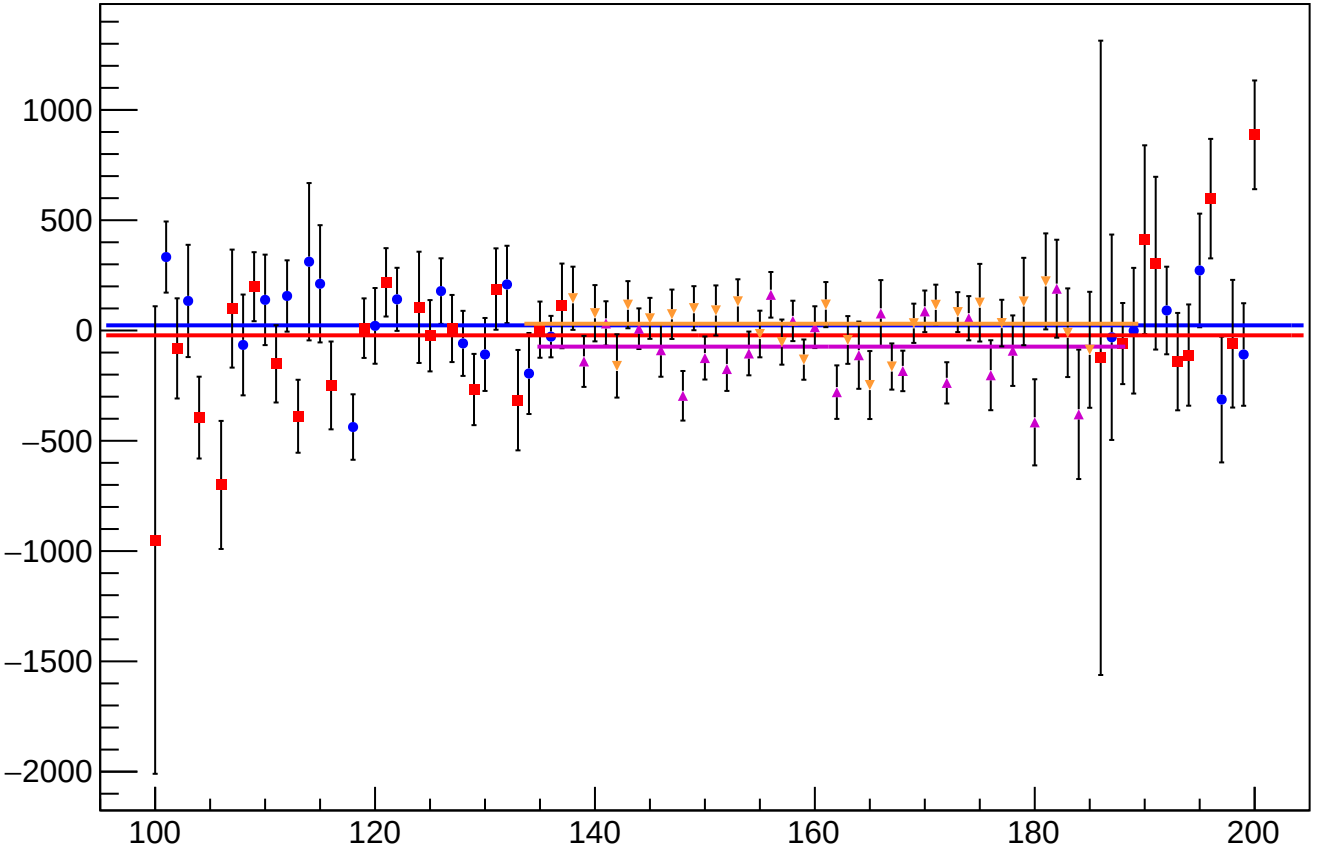
120
140
160
180
200
Right In: 1440.832+/-0.317 χ²/NDF: 2231028.1/21
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1552.813+/-0.315 χ²/NDF: 2745691.7/27
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 765.256+/-0.105 χ²/NDF: 8660229.0/46
All: 773.046+/-0.075 χ²/NDF: 19389926.8/97
- sign 781.151+/-0.108 χ²/NDF: 10718559.2/50

dit_asym_sam_2468_avg_mean vs Slug



Right In: 23.405+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -21.893+/-37.704 χ^2/NDF: 48.9/27

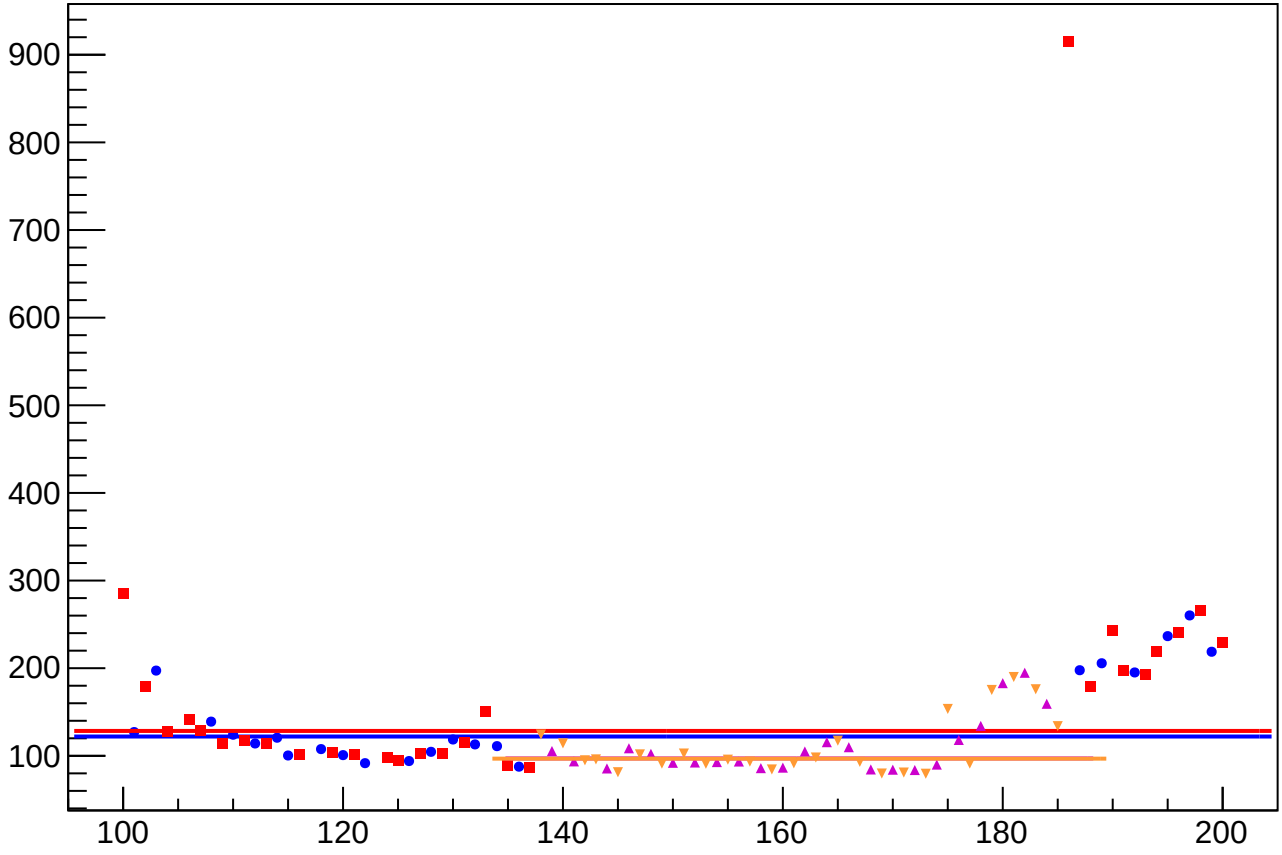
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 28.783+/-19.645 χ^2/NDF: 44.1/46

All: -14.334+/-13.998 χ^2/NDF: 138.7/97

- sign -58.798+/-19.950 χ^2/NDF: 84.8/50

dit_asym_sam_2468_avg_rms vs Slug



Right In: 122.040+/-0.027 χ^2/NDF: 2434077.6/21

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 128.414+/-0.027 χ^2/NDF: 3463532.1/27

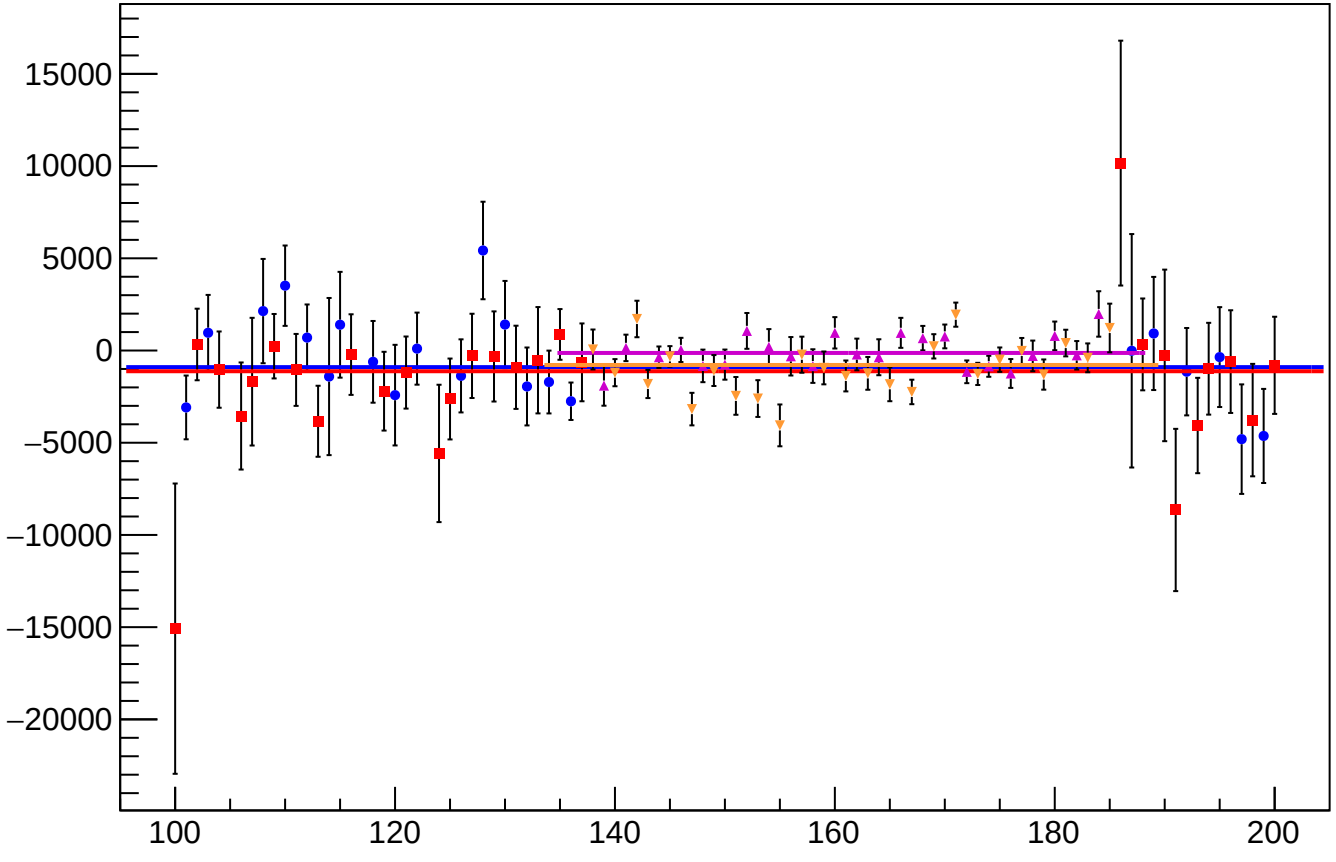
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 103.388+/-0.014 χ^2/NDF: 4791815.5/46

All: 104.579+/-0.010 χ^2/NDF: 10590076.2/97

- sign 105.807+/-0.014 χ^2/NDF: 5783338.7/50

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -900.227+/-455.346 χ^2/NDF: 24.5/21

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1123.195+/-449.384 χ^2/NDF: 20.1/27

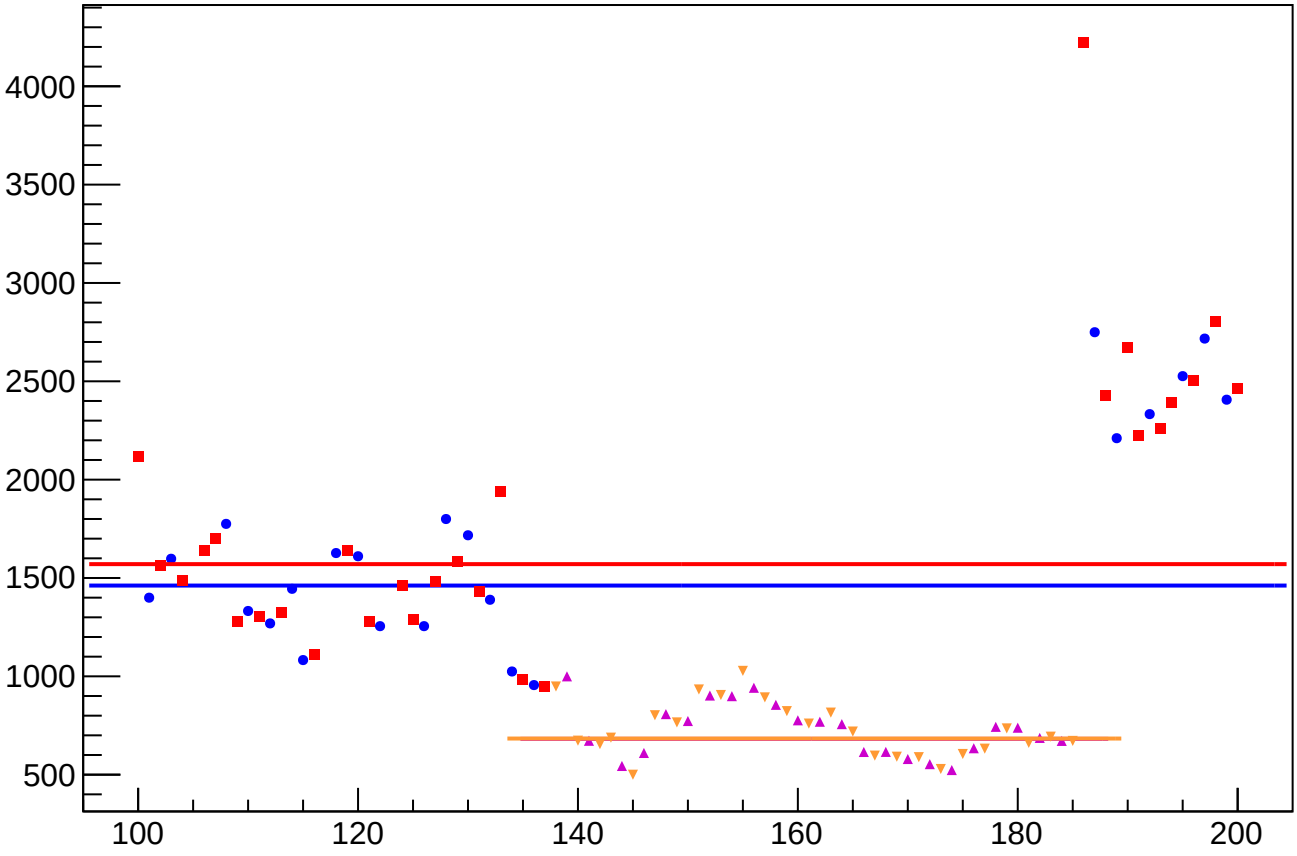
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -796.319+/-149.546 χ^2/NDF: 90.9/46

All: -526.954+/-106.857 χ^2/NDF: 146.2/97

- sign -245.959+/-152.740 χ^2/NDF: 48.7/50

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1461.504+/-0.322 χ^2/NDF: 2263432.8/21

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1570.464+/-0.318 χ^2/NDF: 2751697.3/27

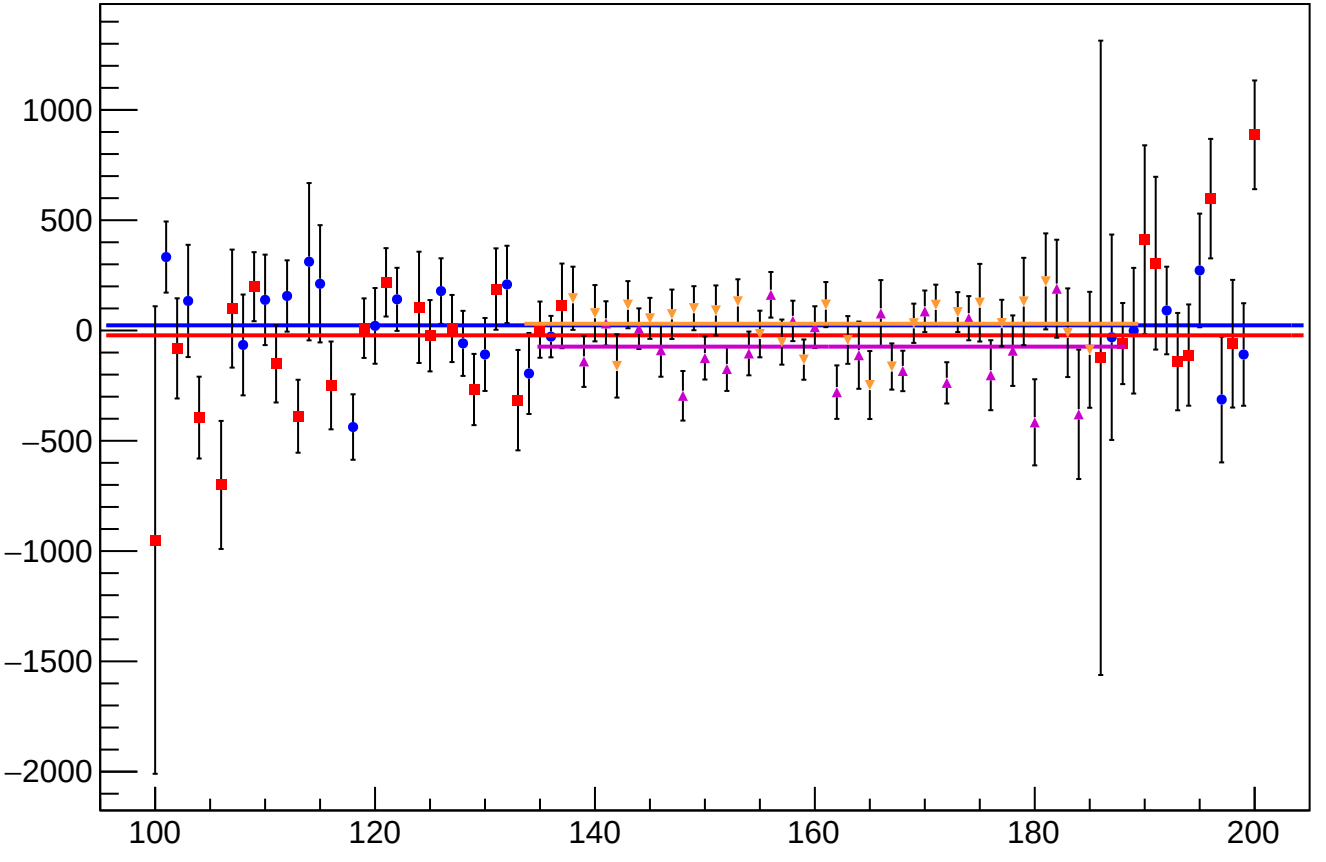
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 767.594+/-0.106 χ^2/NDF: 8767613.8/46

All: 775.920+/-0.076 χ^2/NDF: 19633226.4/97

- sign 784.605+/-0.108 χ^2/NDF: 10852945.7/50

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 23.406+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -21.892+/-37.704 χ^2/NDF: 48.9/27

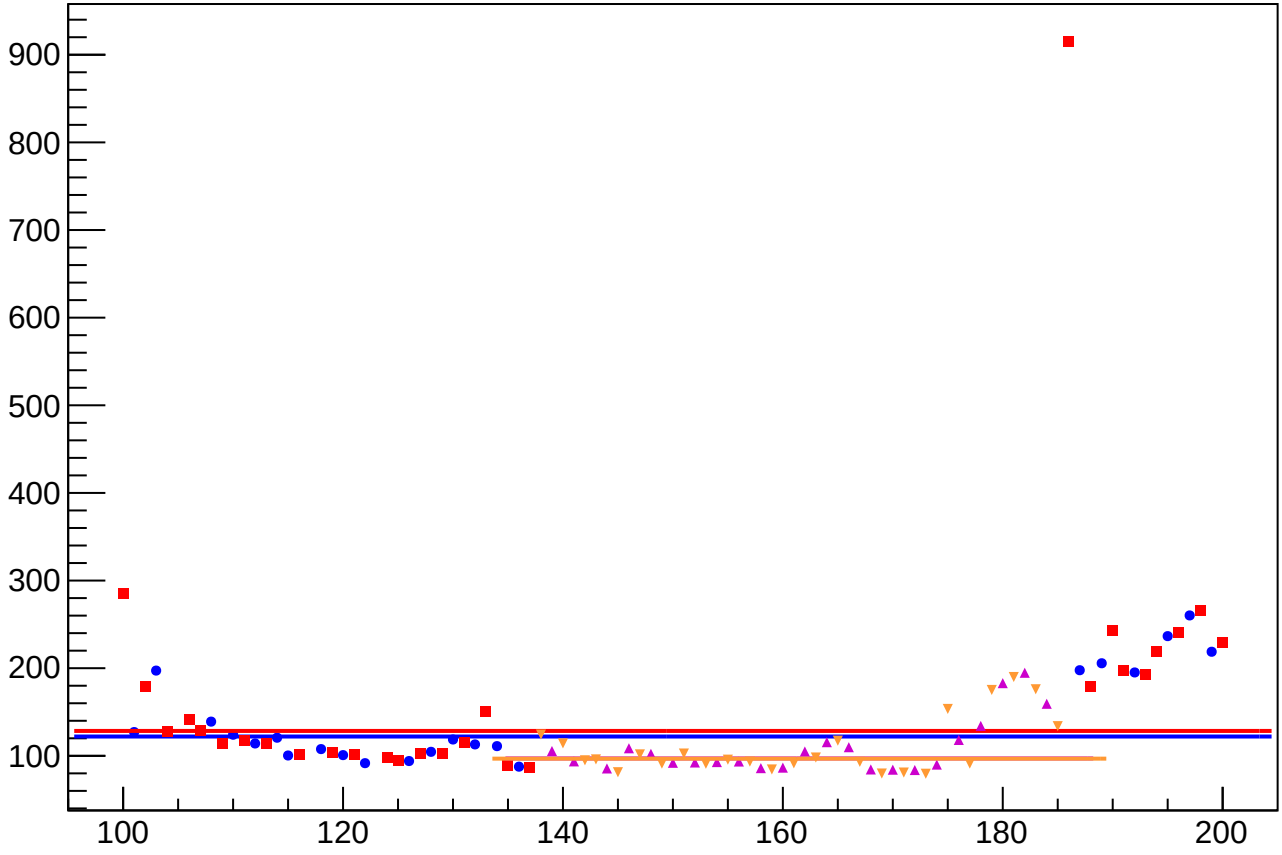
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 28.783+/-19.645 χ^2/NDF: 44.1/46

All: -14.334+/-13.998 χ^2/NDF: 138.6/97

- sign -58.797+/-19.950 χ^2/NDF: 84.7/50

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 122.039+/-0.027 χ^2/NDF: 2434087.1/21

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

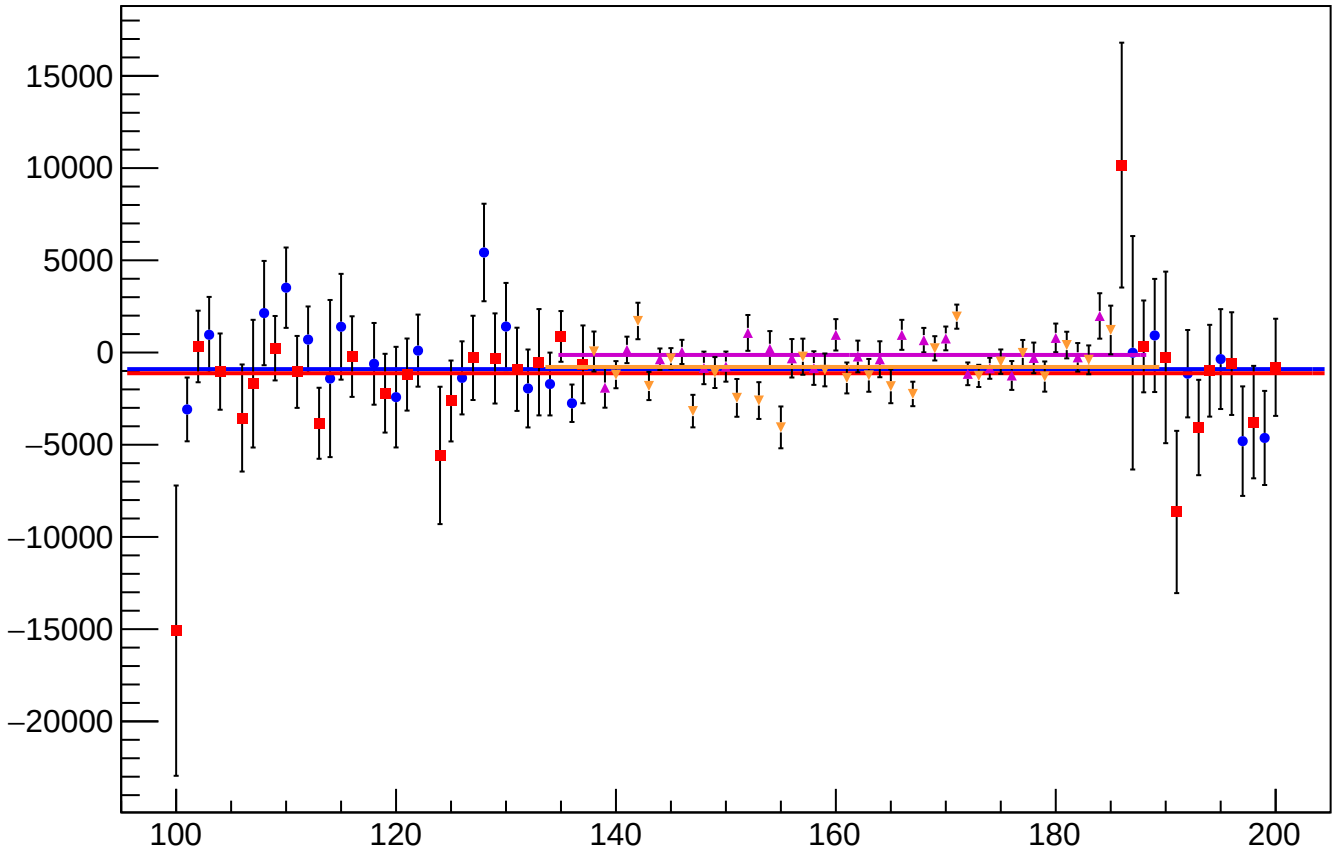
Right Out: 128.413+/-0.027 χ^2/NDF: 3463556.8/27

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 103.388+/-0.014 χ^2/NDF: 4791773.1/46

All: 104.579+/-0.010 χ^2/NDF: 10589983.2/97

- sign 105.807+/-0.014 χ^2/NDF: 5783287.8/50



Right In: -900.221+/-455.345 χ^2/NDF: 24.5/21

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

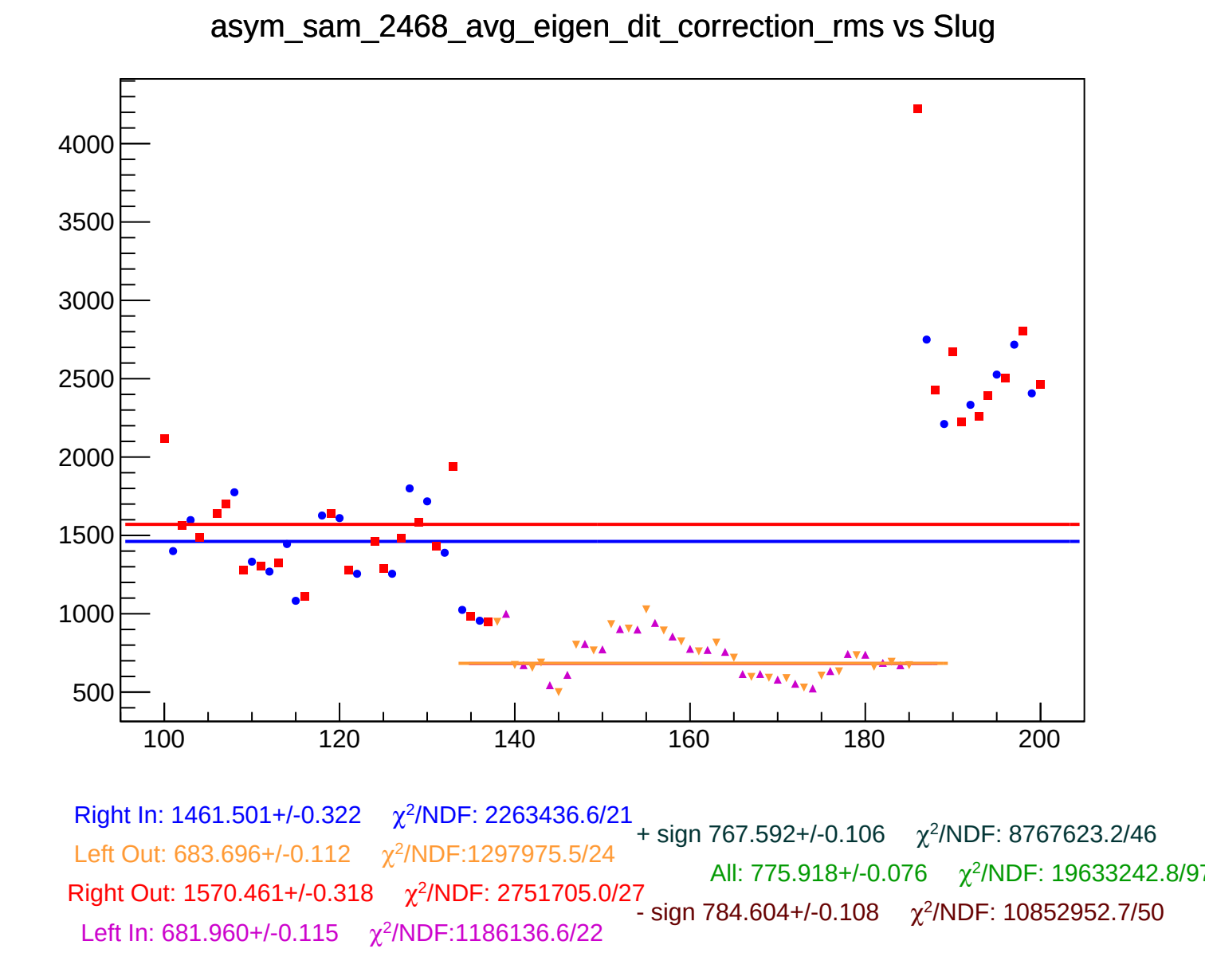
Right Out: -1123.193+/-449.383 χ^2/NDF: 20.1/27

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

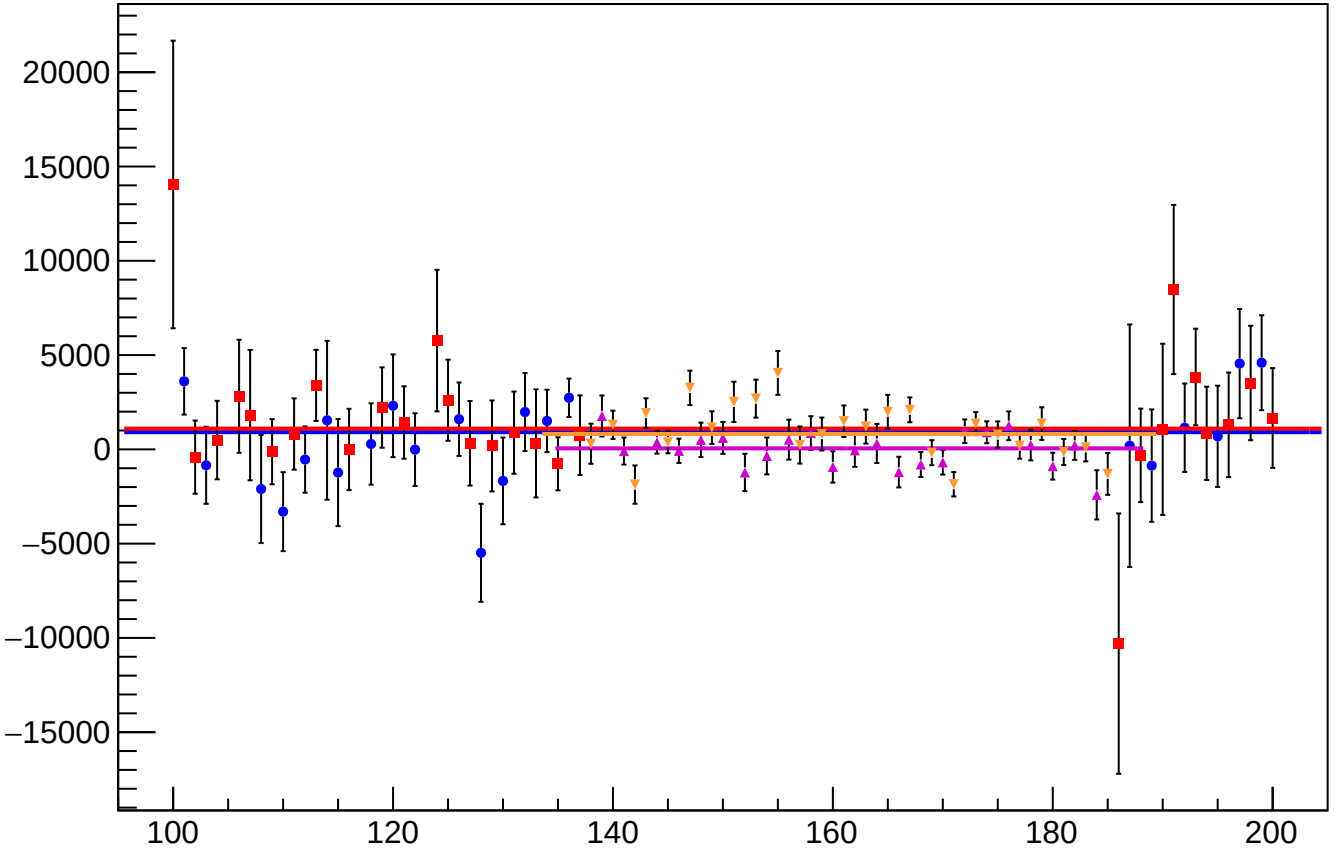
+ sign -796.317+/-149.546 χ^2/NDF: 90.9/46

All: -526.952+/-106.856 χ^2/NDF: 146.2/97

- sign -245.958+/-152.740 χ^2/NDF: 48.7/50


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1461.501+/-0.322 χ²/NDF: 2263436.6/21
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1570.461+/-0.318 χ²/NDF: 2751705.0/27
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
+ sign 767.592+/-0.106 χ²/NDF: 8767623.2/46
All: 775.918+/-0.076 χ²/NDF: 19633242.8/9
- sign 784.604+/-0.108 χ²/NDF: 10852952.7/50

asym_sam_2468_avg_mean vs Slug



Right In: 910.922+/-450.400 χ^2/NDF: 25.2/21

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1100.828+/-446.742 χ^2/NDF: 18.3/27

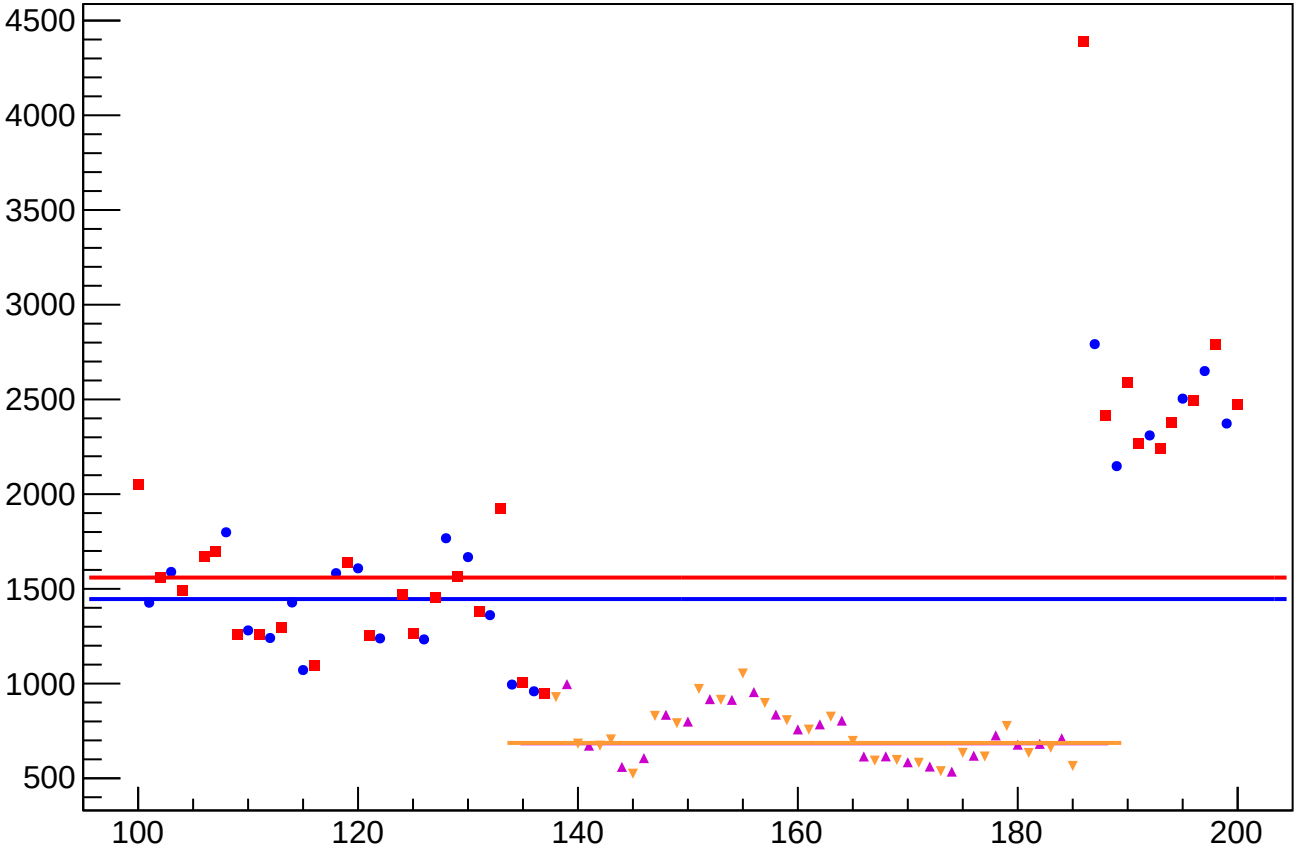
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 824.831+/-150.146 χ^2/NDF: 91.0/46

All: 506.619+/-107.218 χ^2/NDF: 148.7/97

- sign 175.525+/-153.156 χ^2/NDF: 48.5/50

asym_sam_2468_avg_rms vs Slug



Right In: 1446.097+/-0.318 χ^2/NDF: 2231968.2/21

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

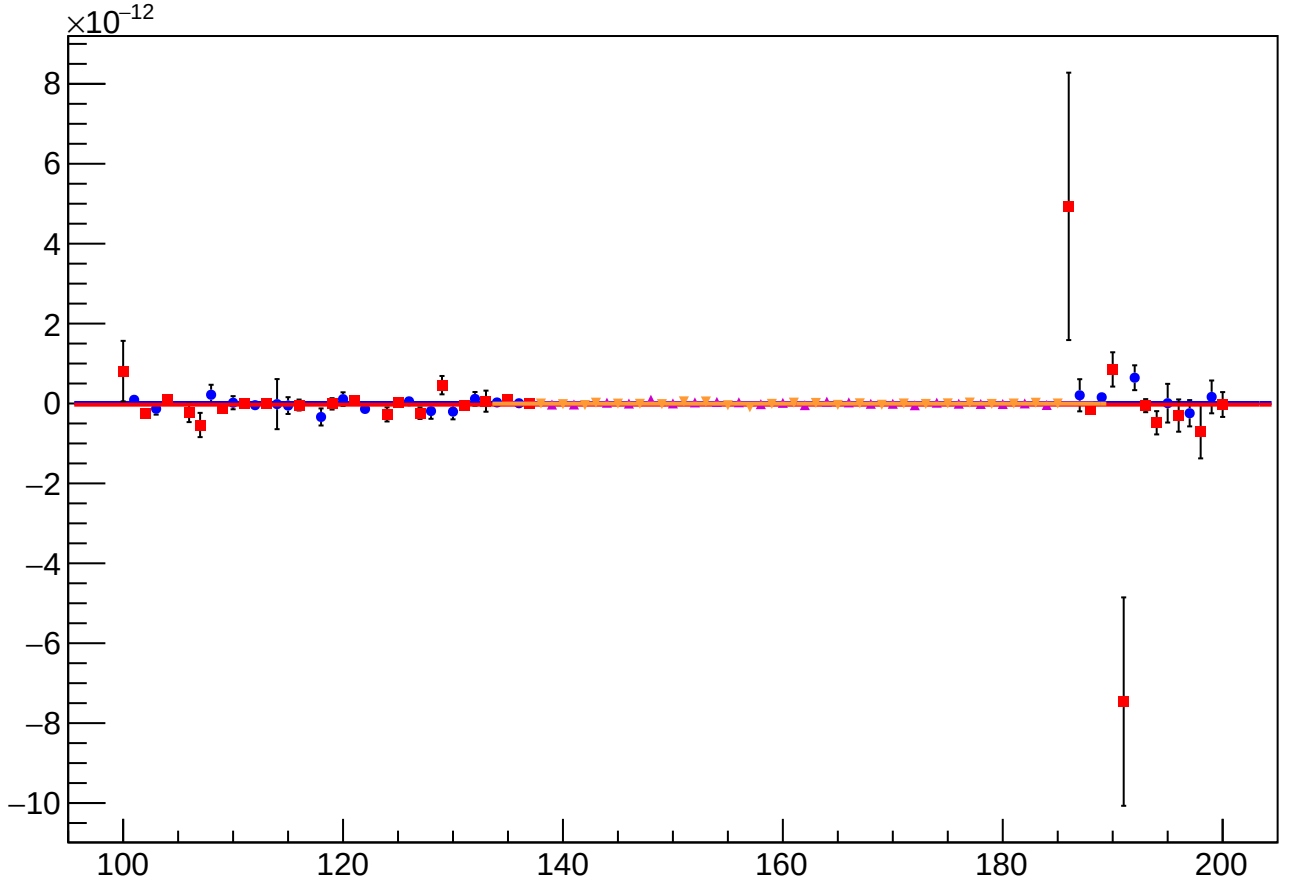
Right Out: 1559.665+/-0.316 χ^2/NDF: 2760053.7/27

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

\+ sign 771.092+/-0.106 χ^2/NDF: 8597891.0/46

All: 779.178+/-0.076 χ^2/NDF: 19304129.4/97

\- sign 787.591+/-0.108 χ^2/NDF: 10694402.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

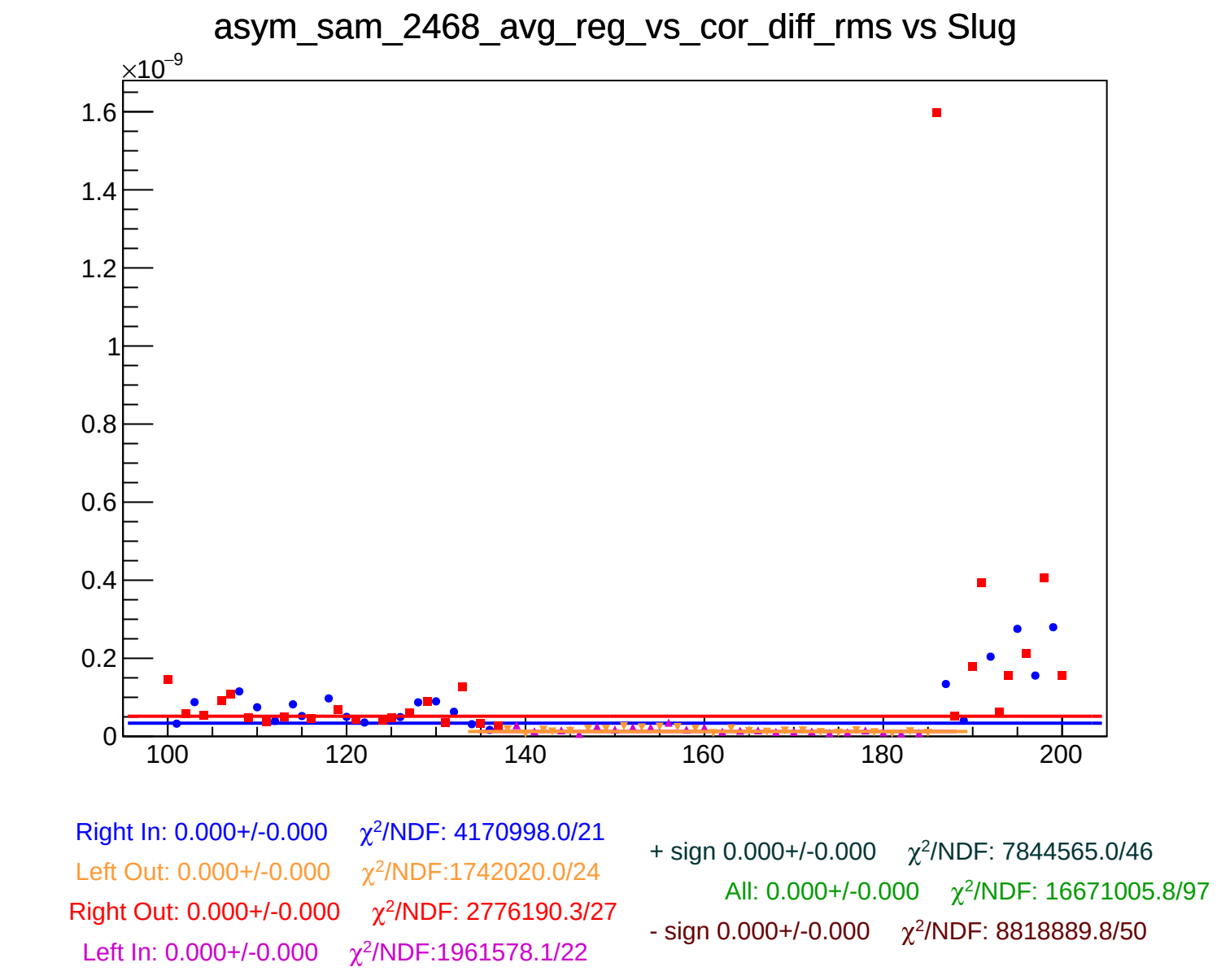
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/27

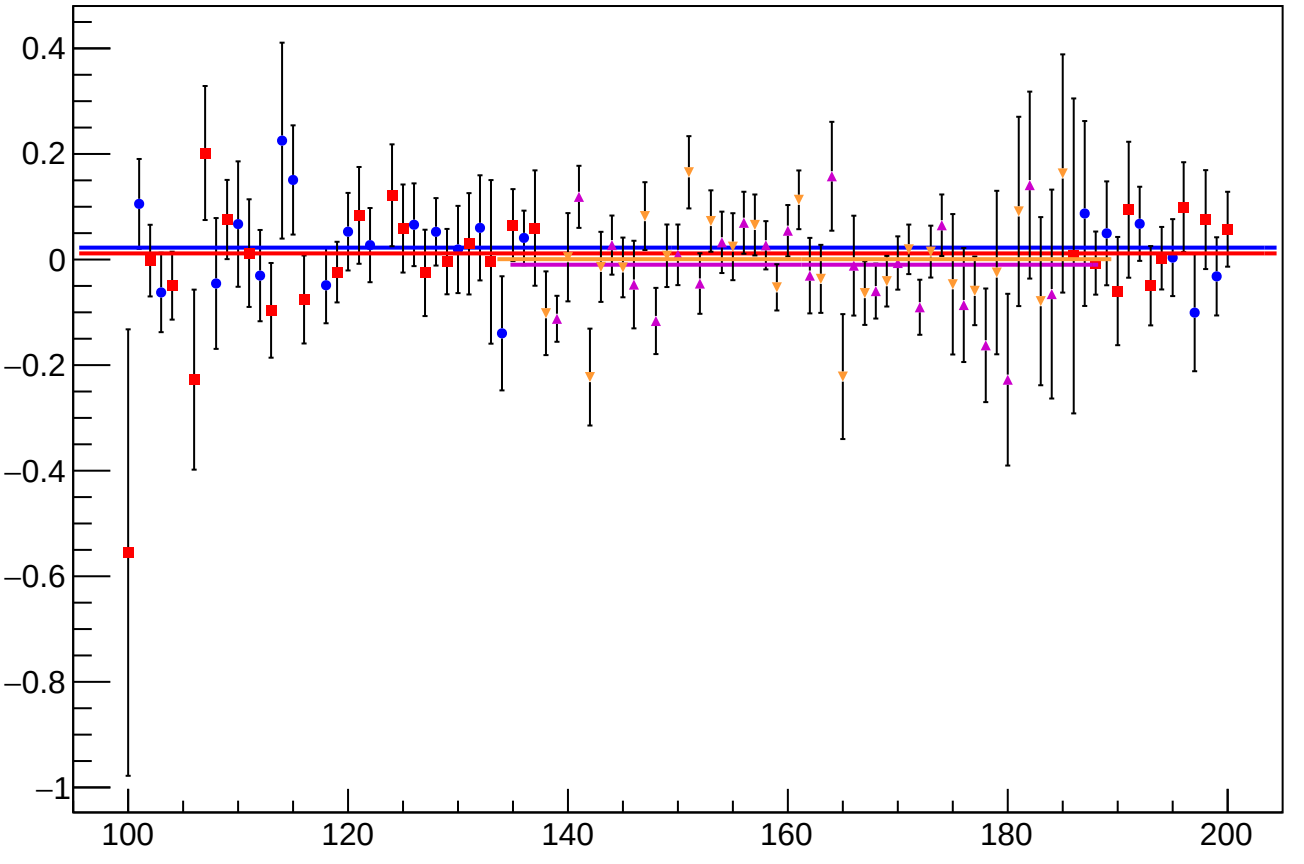
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/46

All: -0.000+/-0.000 χ^2/NDF: 100.8/97

- sign -0.000+/-0.000 χ^2/NDF: 65.6/50


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4170998.0/21
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 2776190.3/27
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7844565.0/46
All: 0.000+/-0.000 χ²/NDF: 16671005.8/97
- sign 0.000+/-0.000 χ²/NDF: 8818889.8/50



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

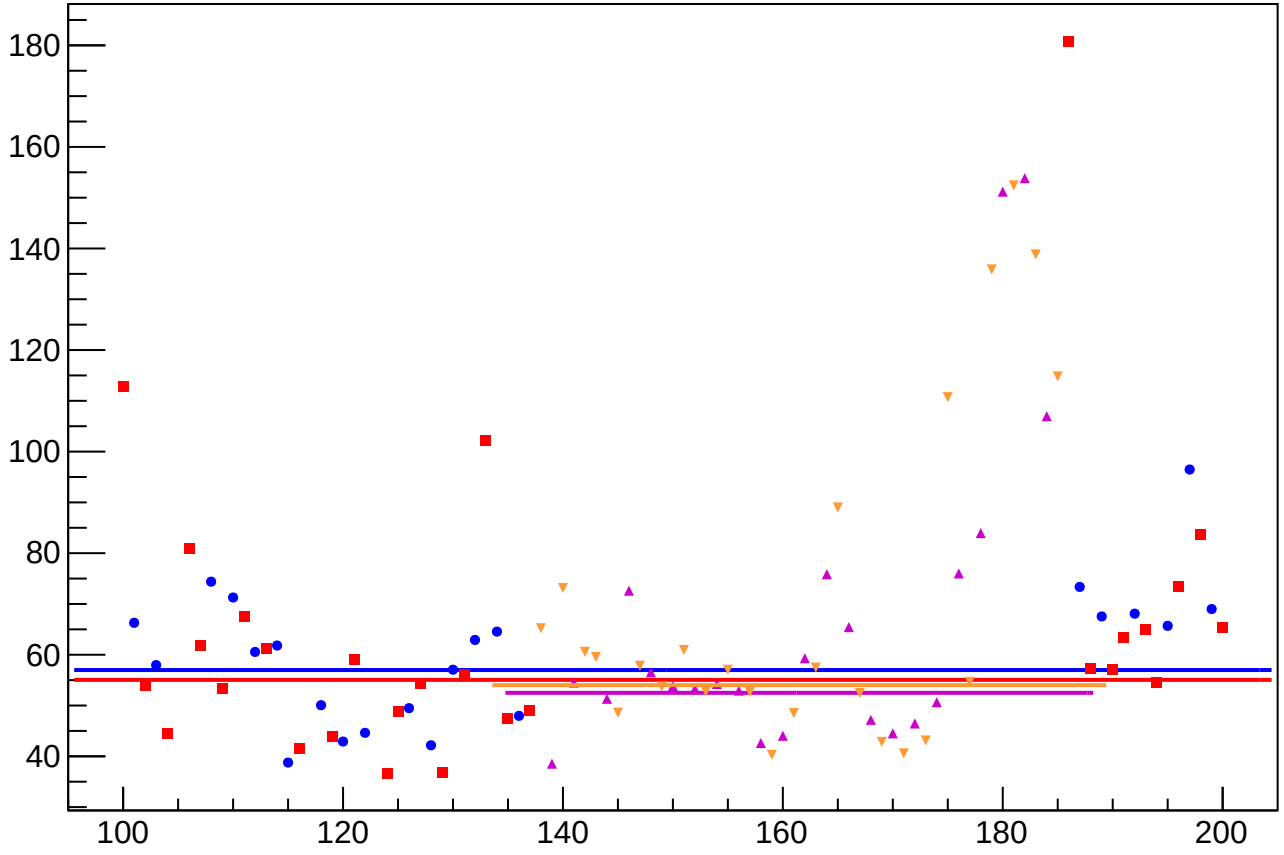
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.004+/-0.007 χ^2/NDF: 96.1/97

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

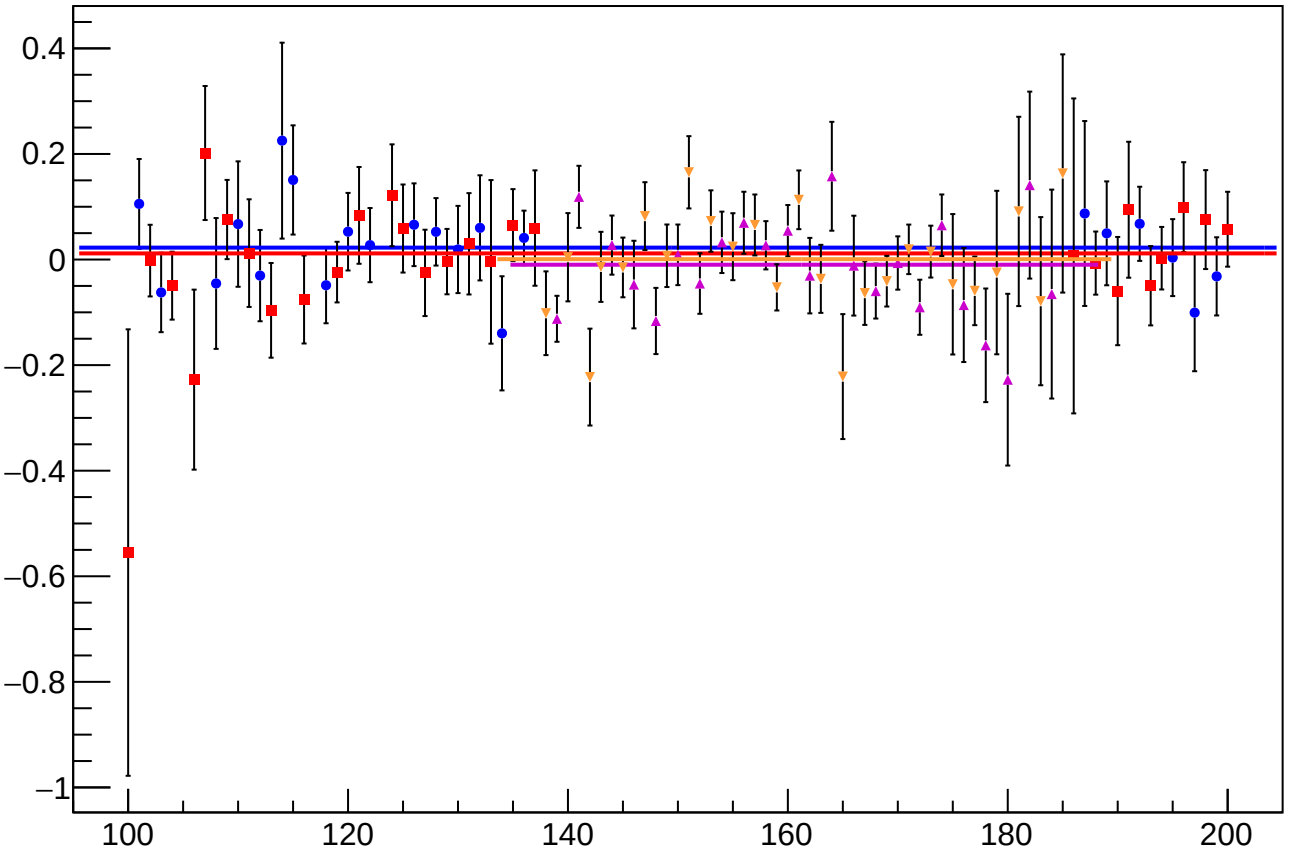
Right Out: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205495.5/46

All: 54.283+/-0.005 χ^2/NDF: 8329551.1/97

- sign 53.552+/-0.007 χ^2/NDF: 4102303.1/50



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

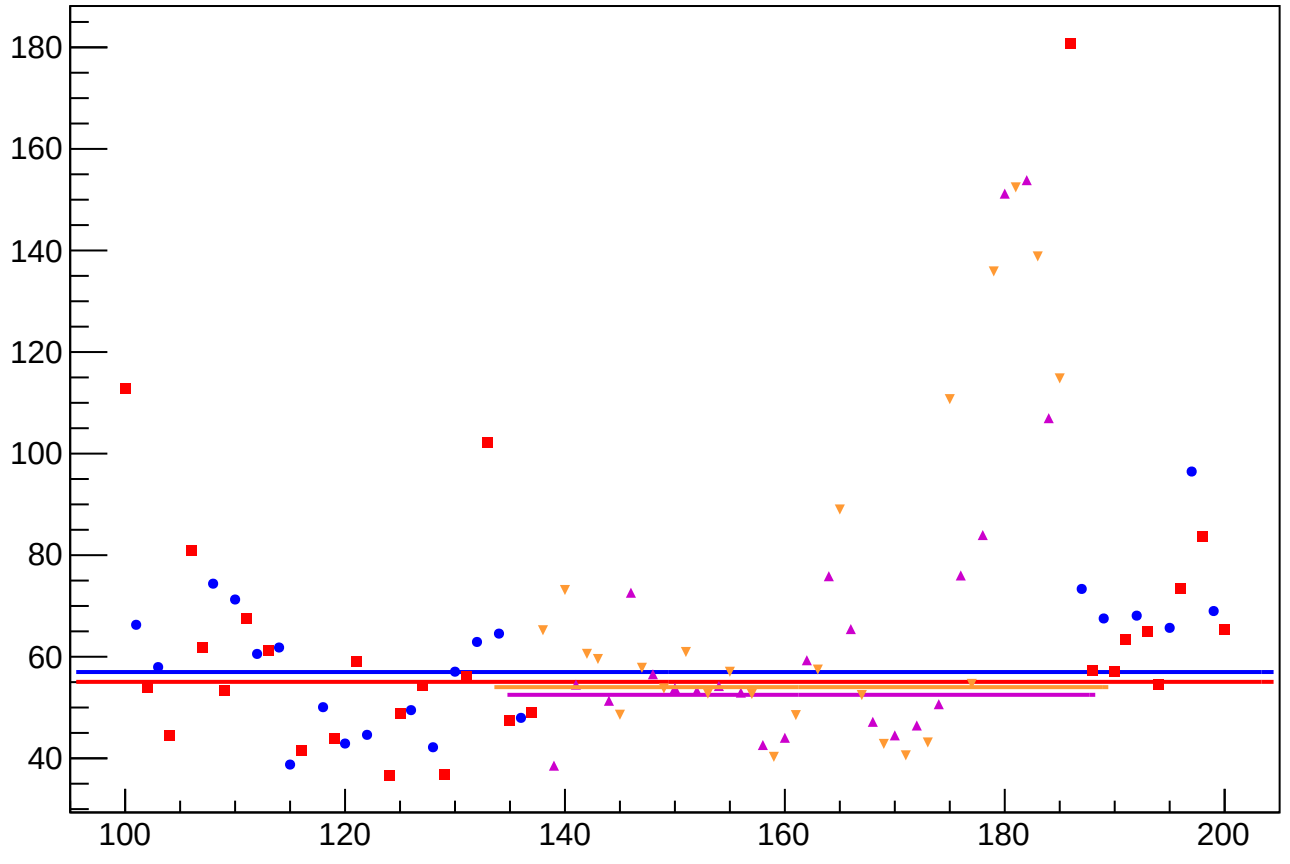
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.004+/-0.007 χ^2/NDF: 96.1/97

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

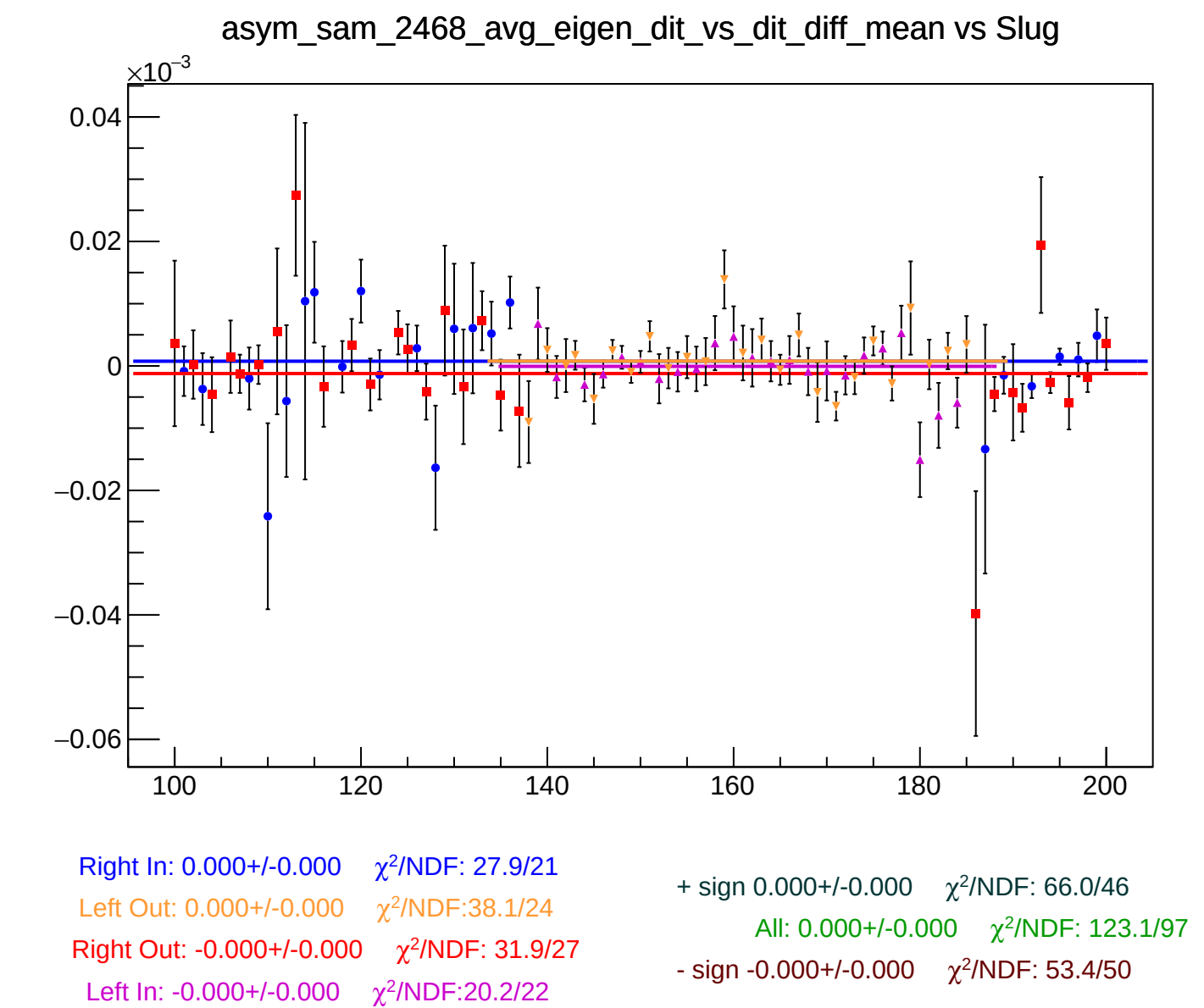
Right Out: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

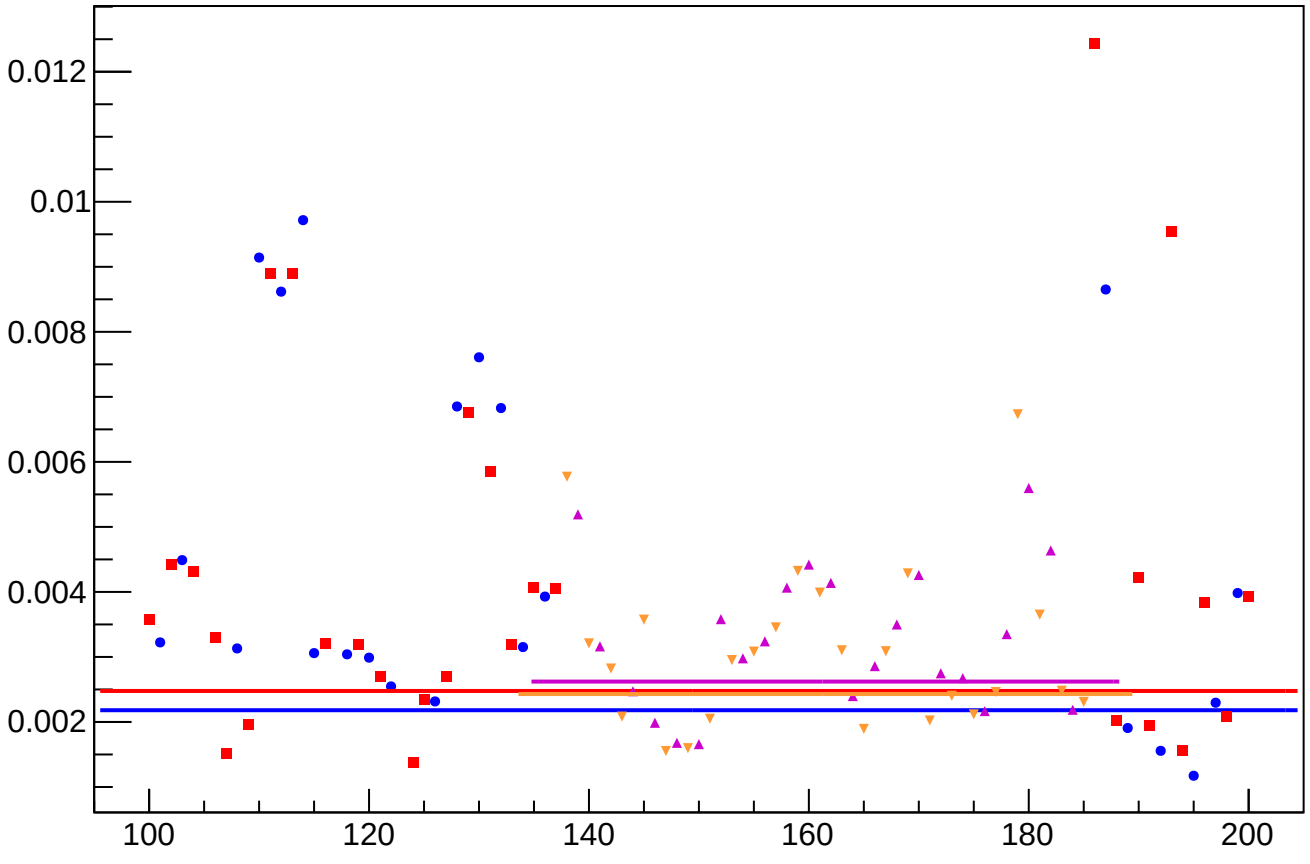
Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205495.5/46

All: 54.283+/-0.005 χ^2/NDF: 8329551.1/97

- sign 53.552+/-0.007 χ^2/NDF: 4102303.1/50


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.9/21
Left Out: 0.000+/-0.000 χ²/NDF:38.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.9/27
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 66.0/46
All: 0.000+/-0.000 χ²/NDF: 123.1/97
- sign -0.000+/-0.000 χ²/NDF: 53.4/50



Right In: 0.002+/-0.000 χ^2/NDF: 5634737.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

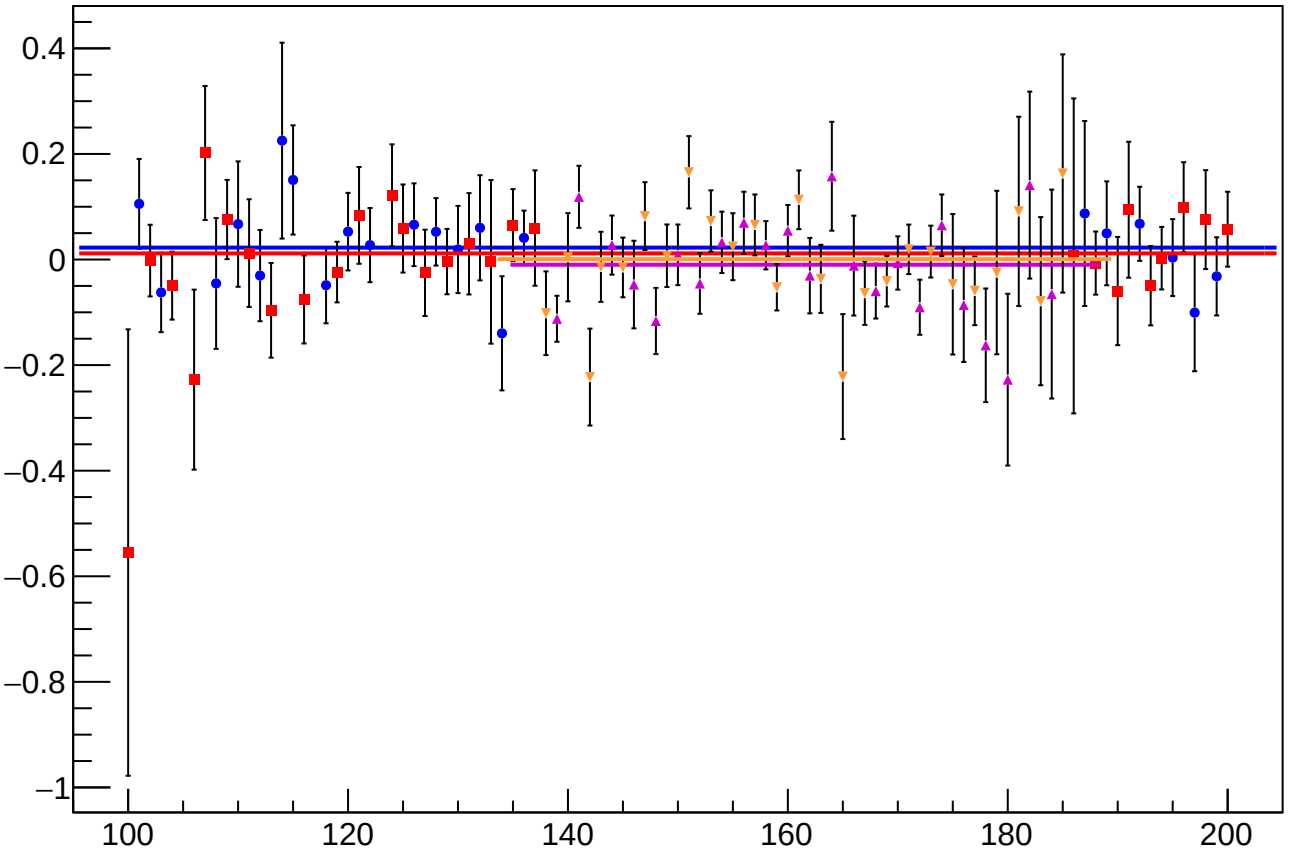
Right Out: 0.002+/-0.000 χ^2/NDF: 5511837.8/27

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 9985255.1/46

All: 0.002+/-0.000 χ^2/NDF: 19703761.4/97

- sign 0.003+/-0.000 χ^2/NDF: 9507033.7/50



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

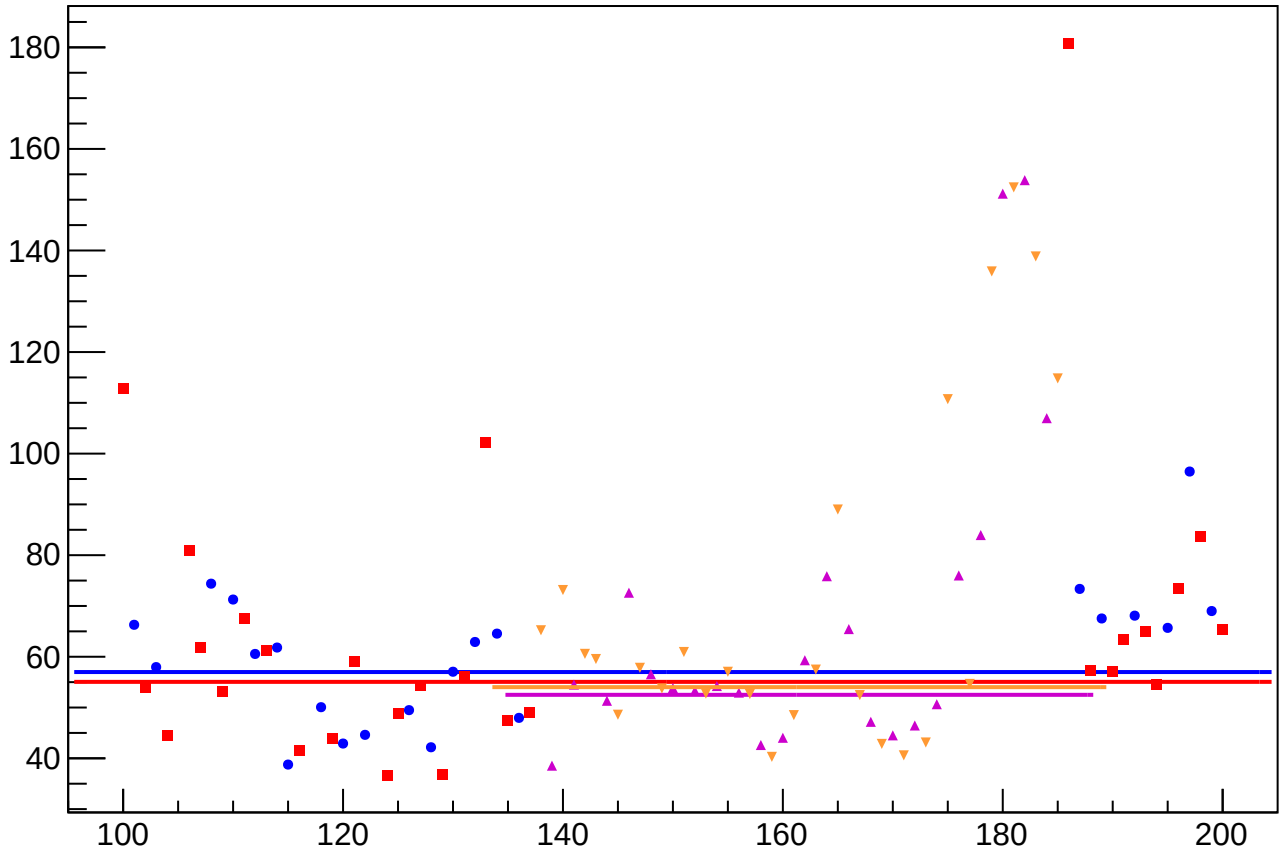
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.004+/-0.007 χ^2/NDF: 96.1/97

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

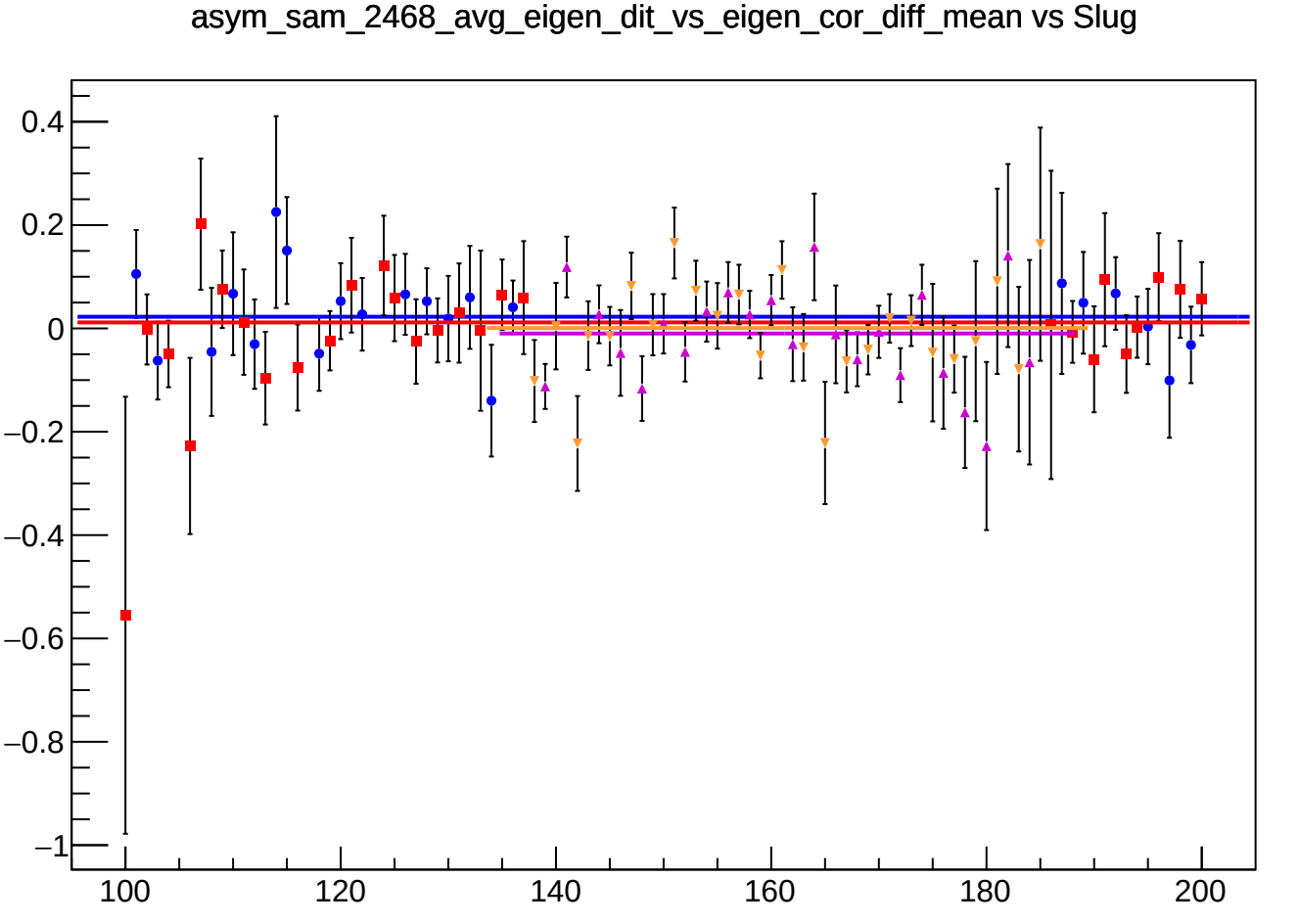
Right Out: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205473.6/46

All: 54.283+/-0.005 χ^2/NDF: 8329597.4/97

- sign 53.551+/-0.007 χ^2/NDF: 4102370.4/50



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

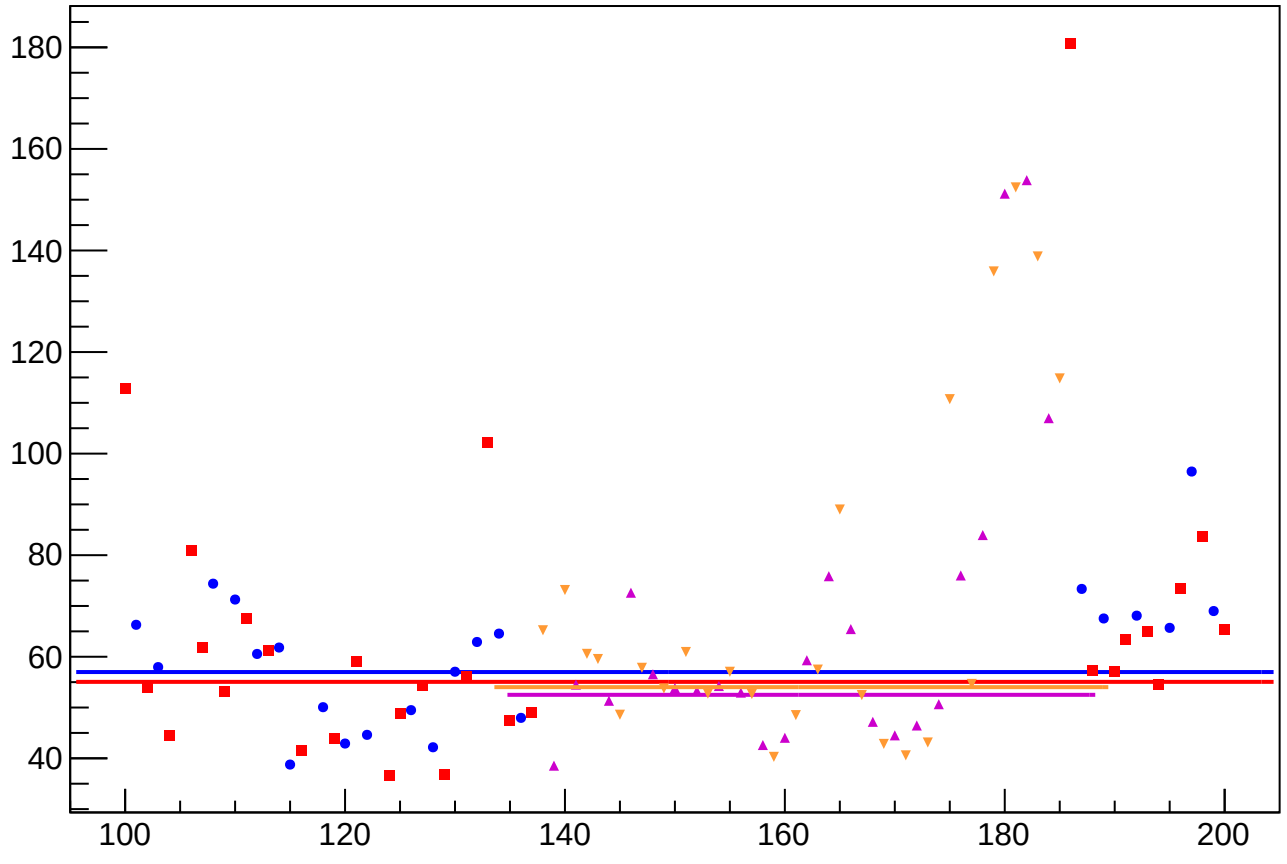
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.004+/-0.007 χ^2/NDF: 96.1/97

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

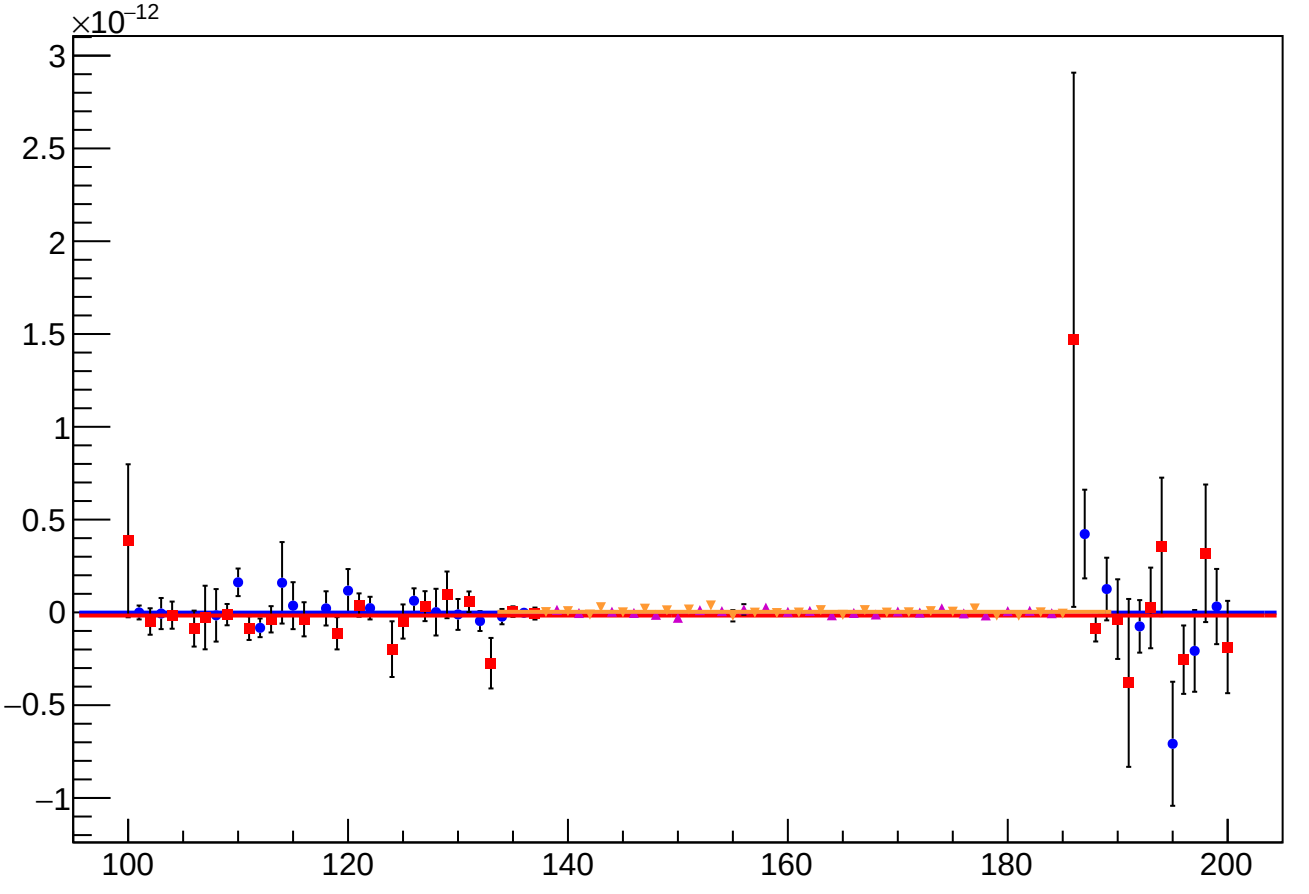
Right Out: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205473.6/46

All: 54.283+/-0.005 χ^2/NDF: 8329597.4/97

- sign 53.551+/-0.007 χ^2/NDF: 4102370.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

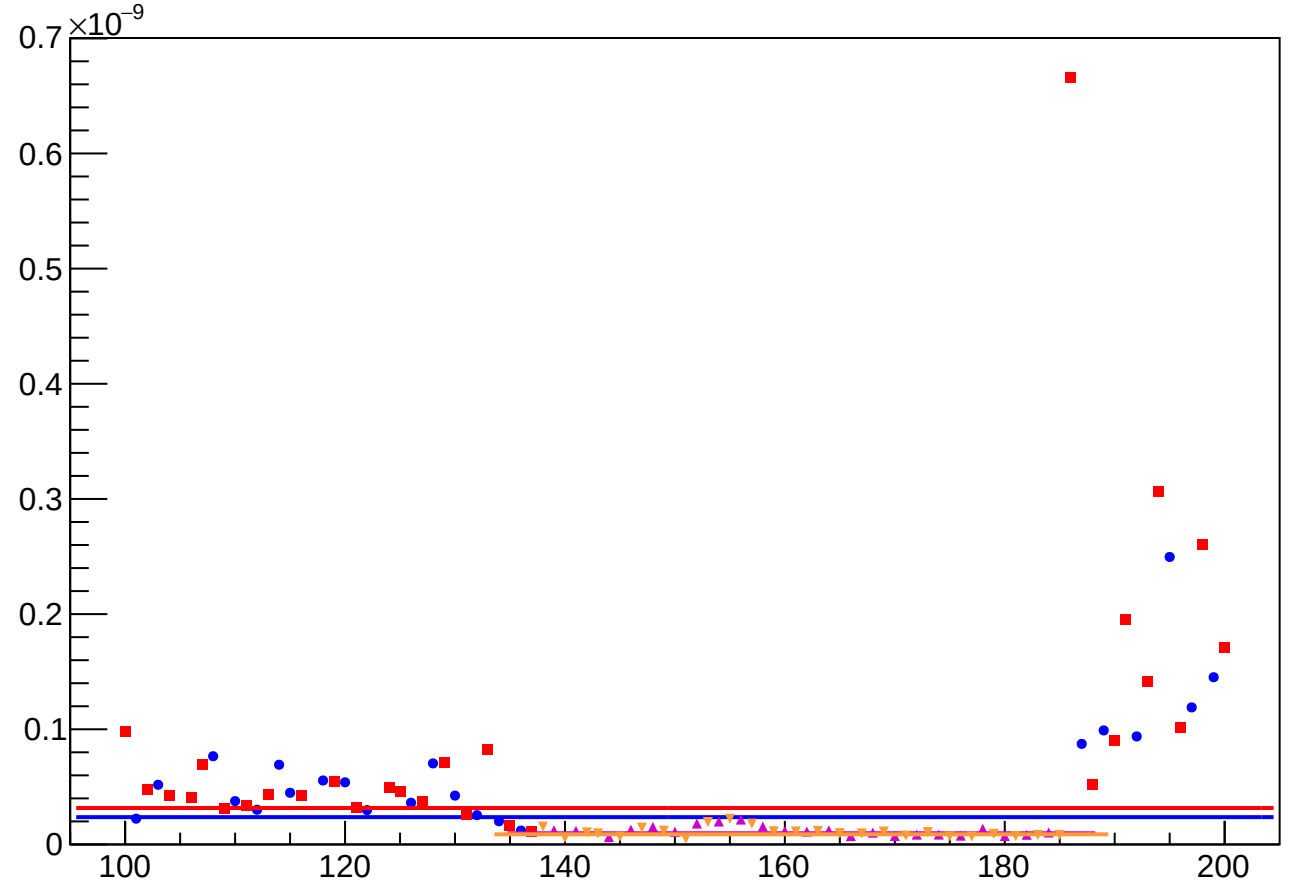
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/46

All: 0.000+/-0.000 χ^2/NDF: 80.1/97

- sign 0.000+/-0.000 χ^2/NDF: 37.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 5617149.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6743712.1/27

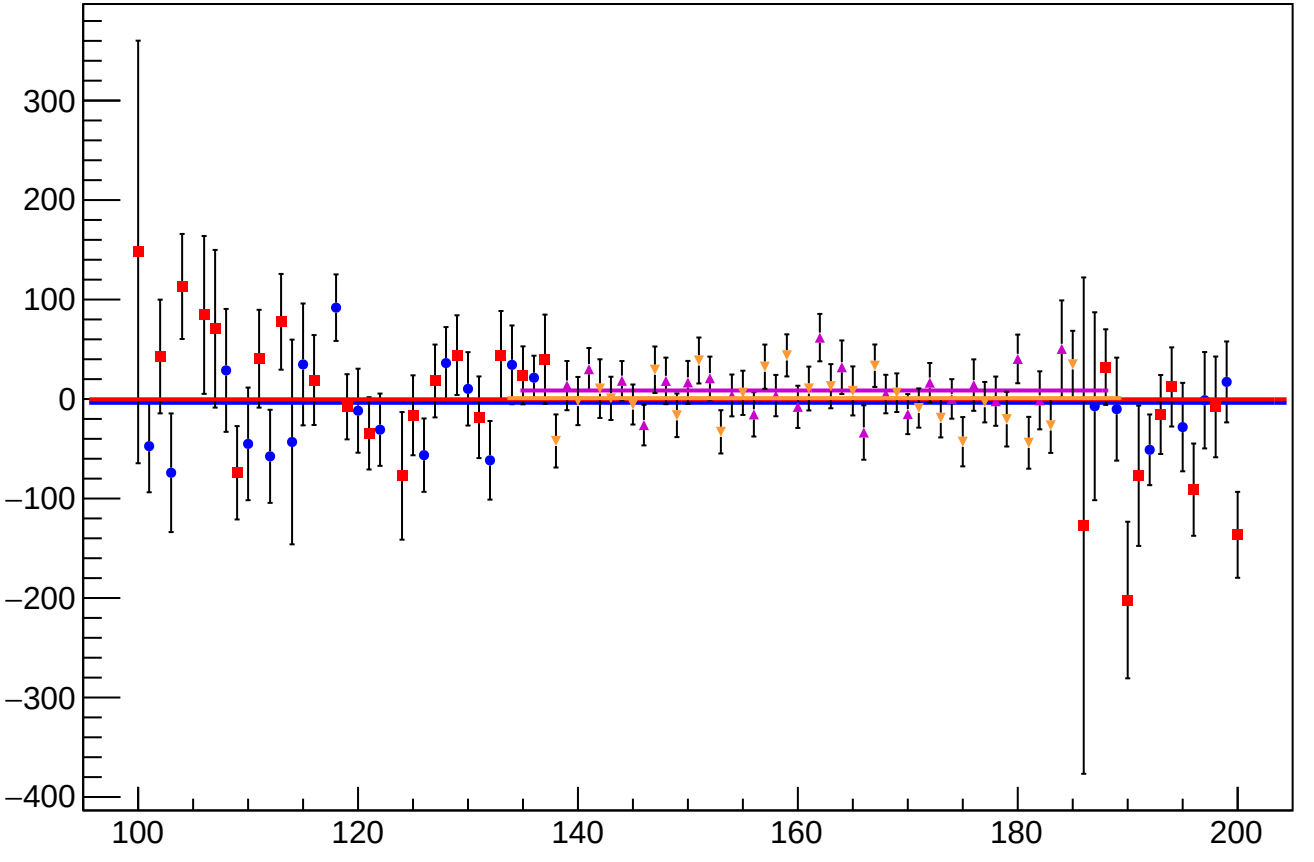
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11150859.8/46

All: 0.000+/-0.000 χ^2/NDF: 25053241.2/97

- sign 0.000+/-0.000 χ^2/NDF: 13737480.1/50

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.764+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -0.248+/-8.699 χ^2/NDF: 43.1/27

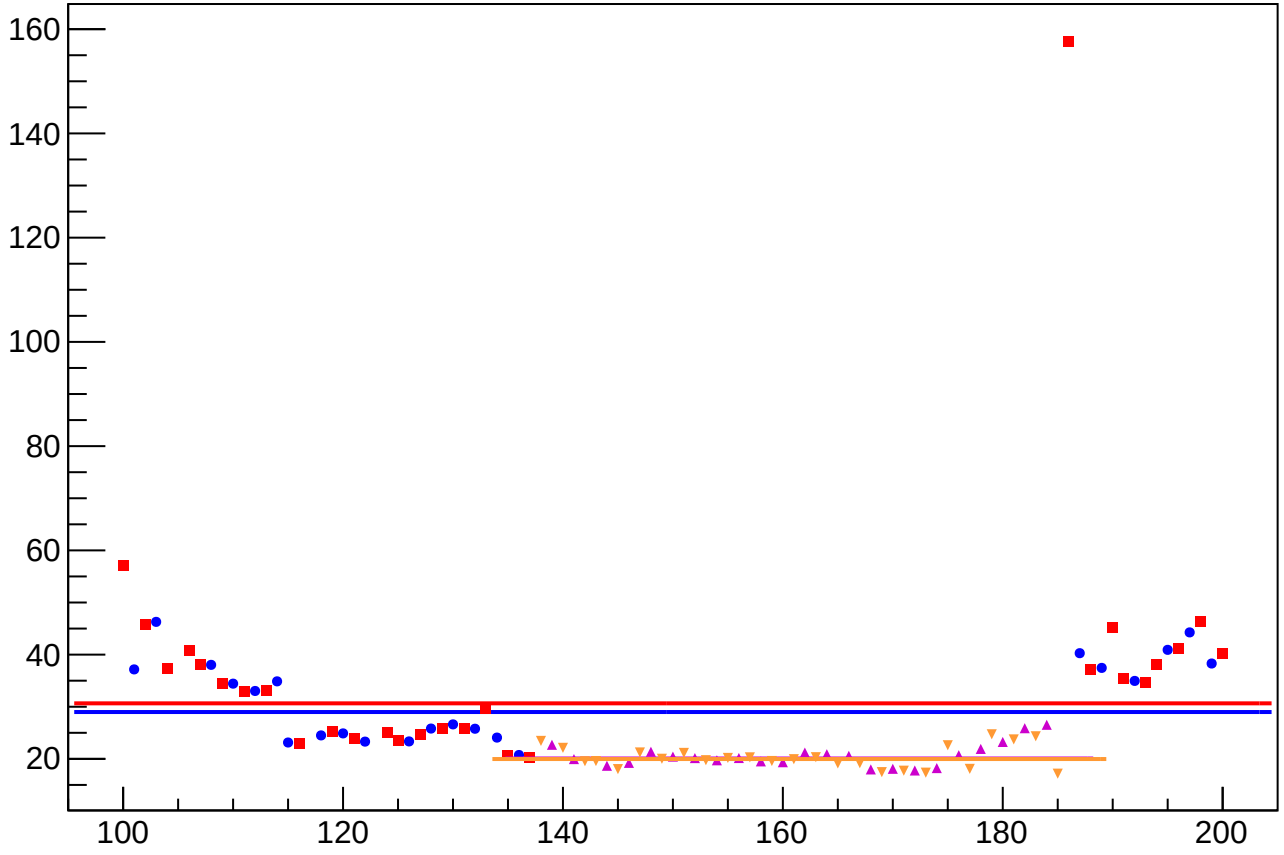
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.067+/-4.065 χ^2/NDF: 53.3/46

All: 3.189+/-2.904 χ^2/NDF: 117.8/97

- sign 6.585+/-4.151 χ^2/NDF: 63.2/50

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413372.1/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

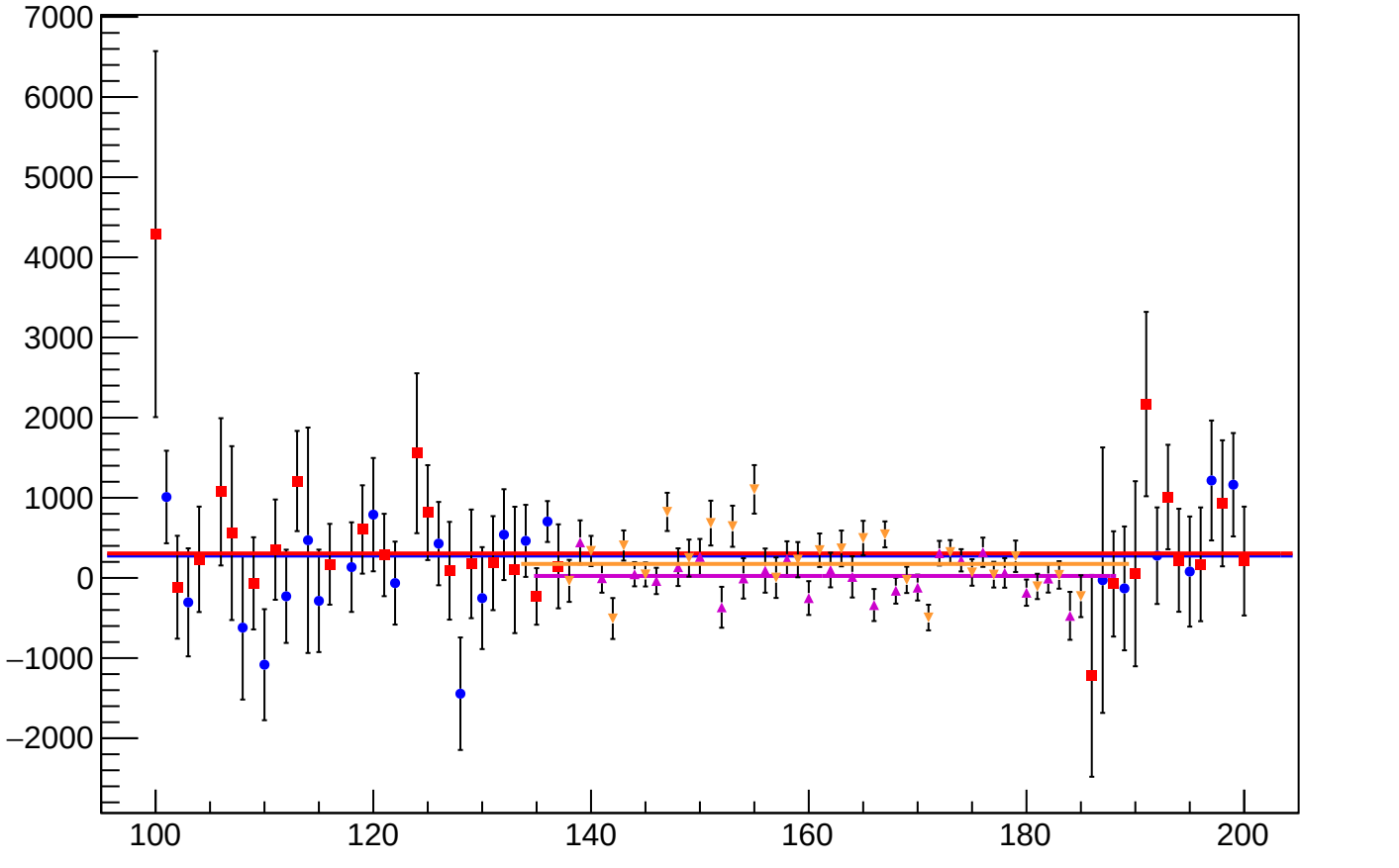
Right Out: 30.654+/-0.006 χ^2/NDF: 2129758.2/27

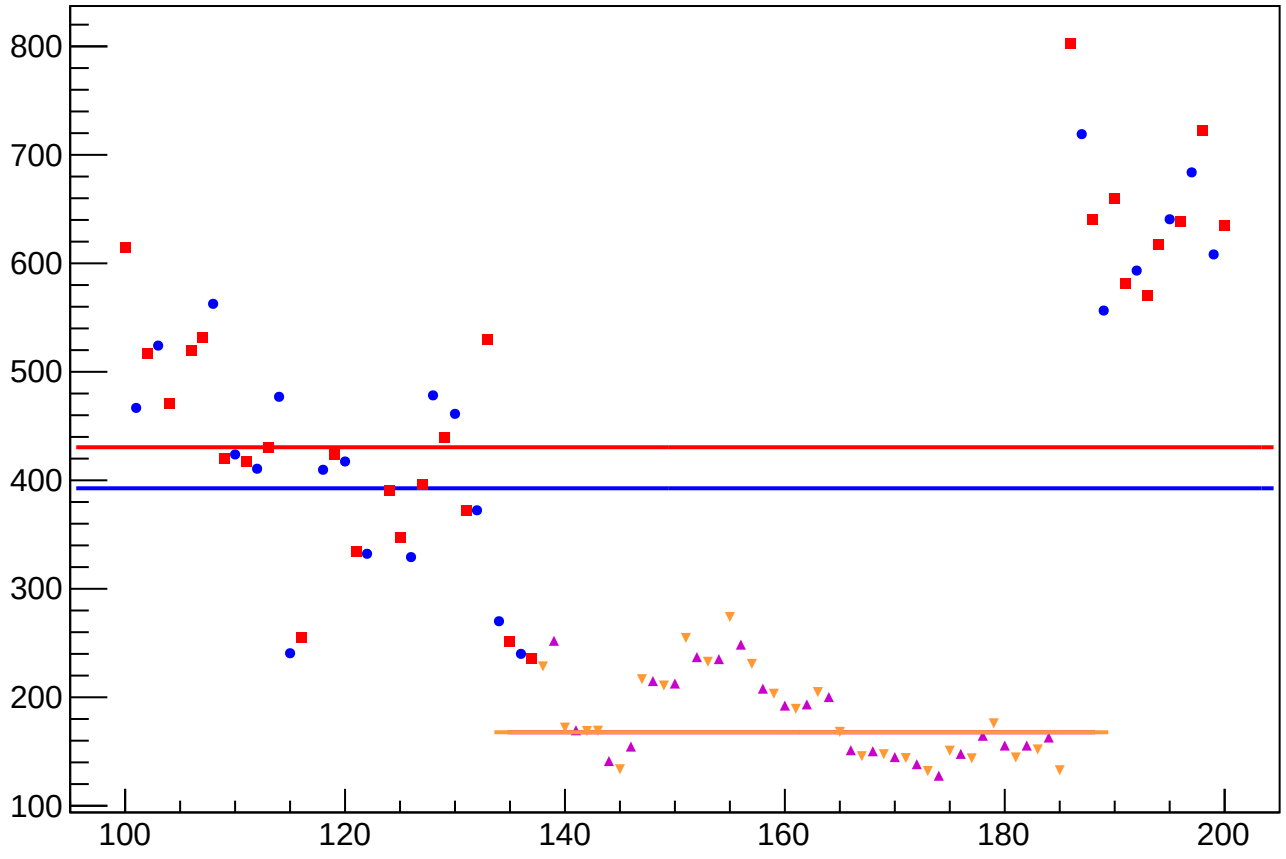
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 21.864+/-0.003 χ^2/NDF: 3434293.9/46

All: 22.167+/-0.002 χ^2/NDF: 8173833.7/97

\- sign 22.482+/-0.003 χ^2/NDF: 4716922.9/50


asym_sam_1357_2468_dd_reg_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
Right In: 278.947+/-123.016 χ²/NDF: 23.6/21
Left Out: 174.693+/-39.049 χ²/NDF:71.2/24
Right Out: 305.675+/-123.045 χ²/NDF: 18.5/27
Left In: 24.589+/-40.070 χ²/NDF:26.9/22
+ sign 184.236+/-37.219 χ²/NDF: 95.5/46
All: 119.442+/-26.624 χ²/NDF: 151.8/97
- sign 51.540+/-38.101 χ²/NDF: 50.1/50



Right In: 392.644+/-0.087 χ^2/NDF: 2464349.0/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 430.476+/-0.087 χ^2/NDF: 2681485.1/27

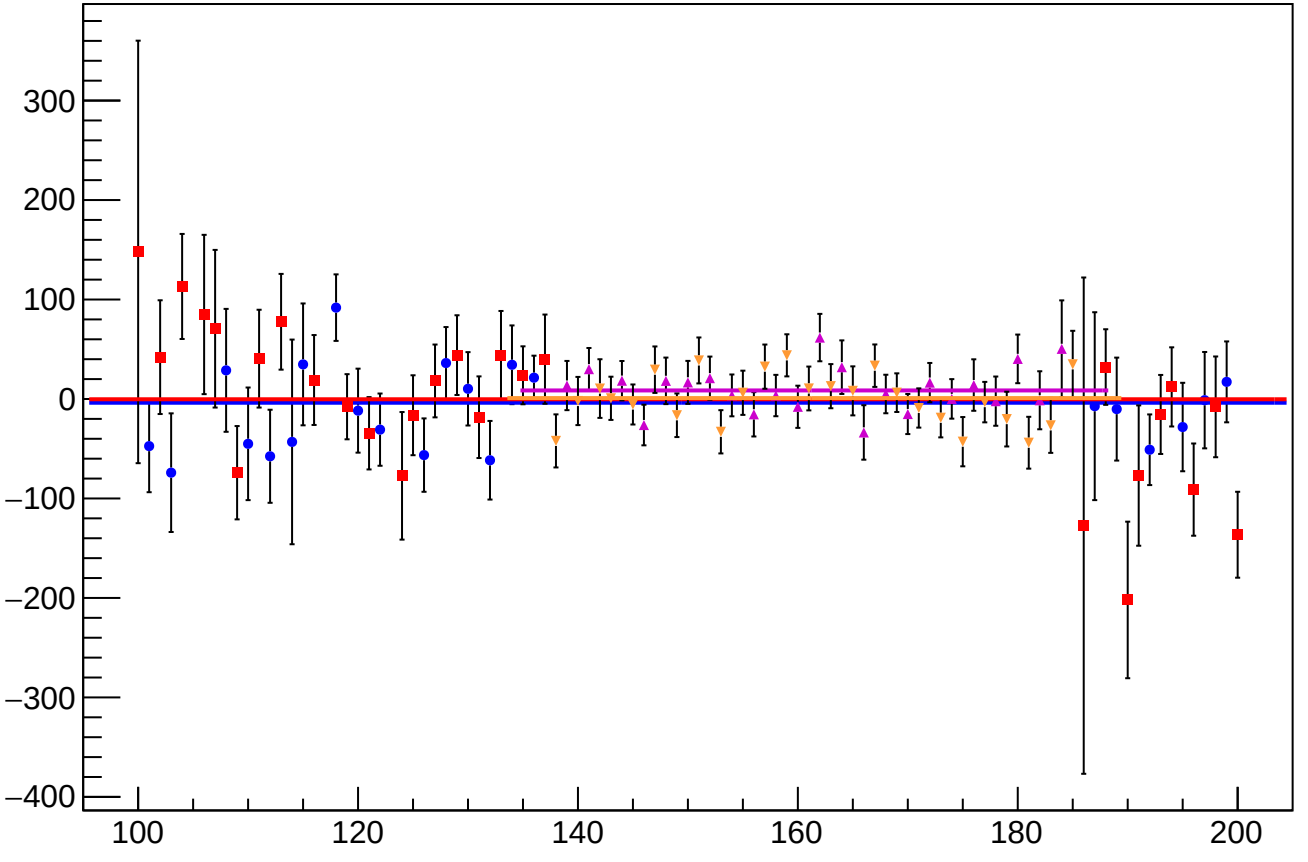
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114920.7/46

All: 190.586+/-0.019 χ^2/NDF: 22458435.2/97

- sign 192.939+/-0.027 χ^2/NDF: 12328605.8/50

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -0.279+/-8.700 χ^2/NDF: 43.0/27

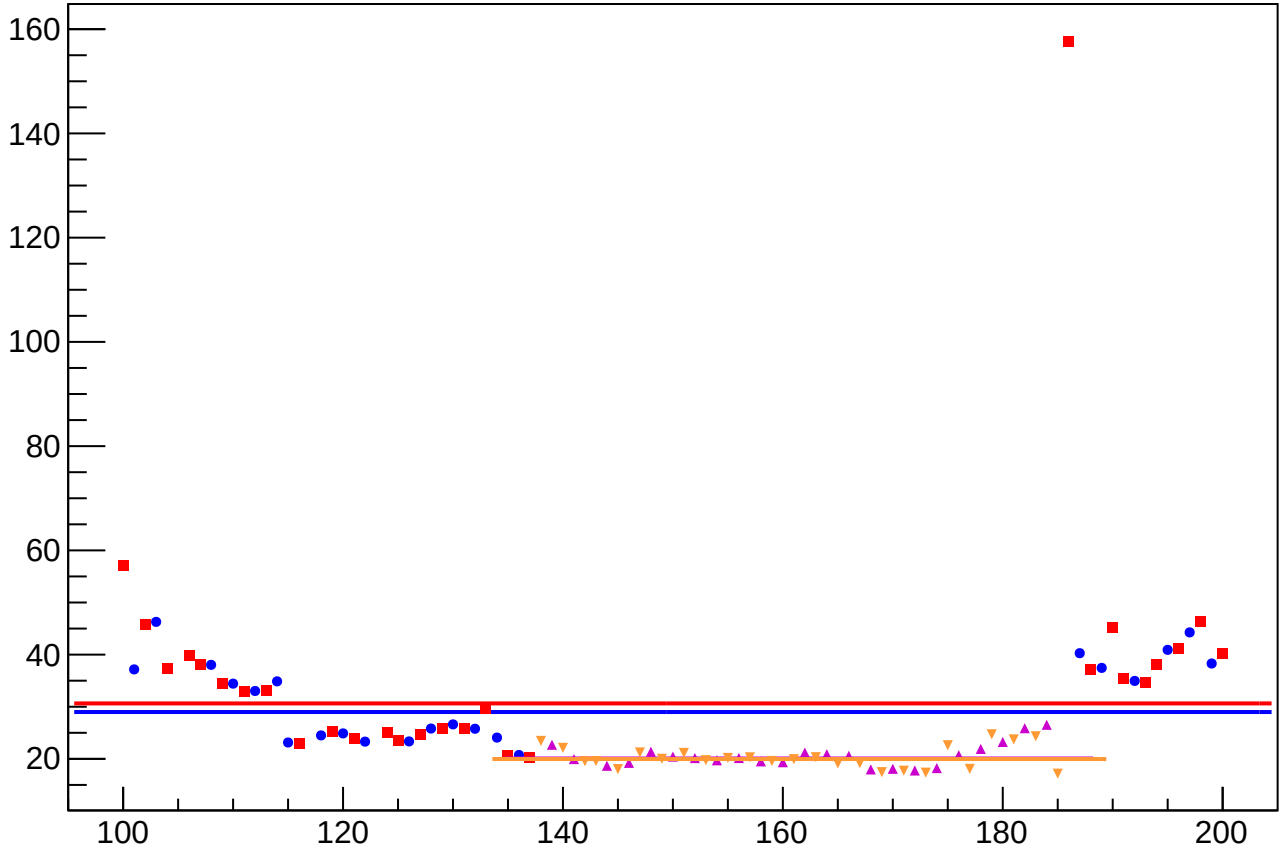
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.068+/-4.065 χ^2/NDF: 53.3/46

All: 3.186+/-2.904 χ^2/NDF: 117.8/97

- sign 6.579+/-4.151 χ^2/NDF: 63.2/50

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

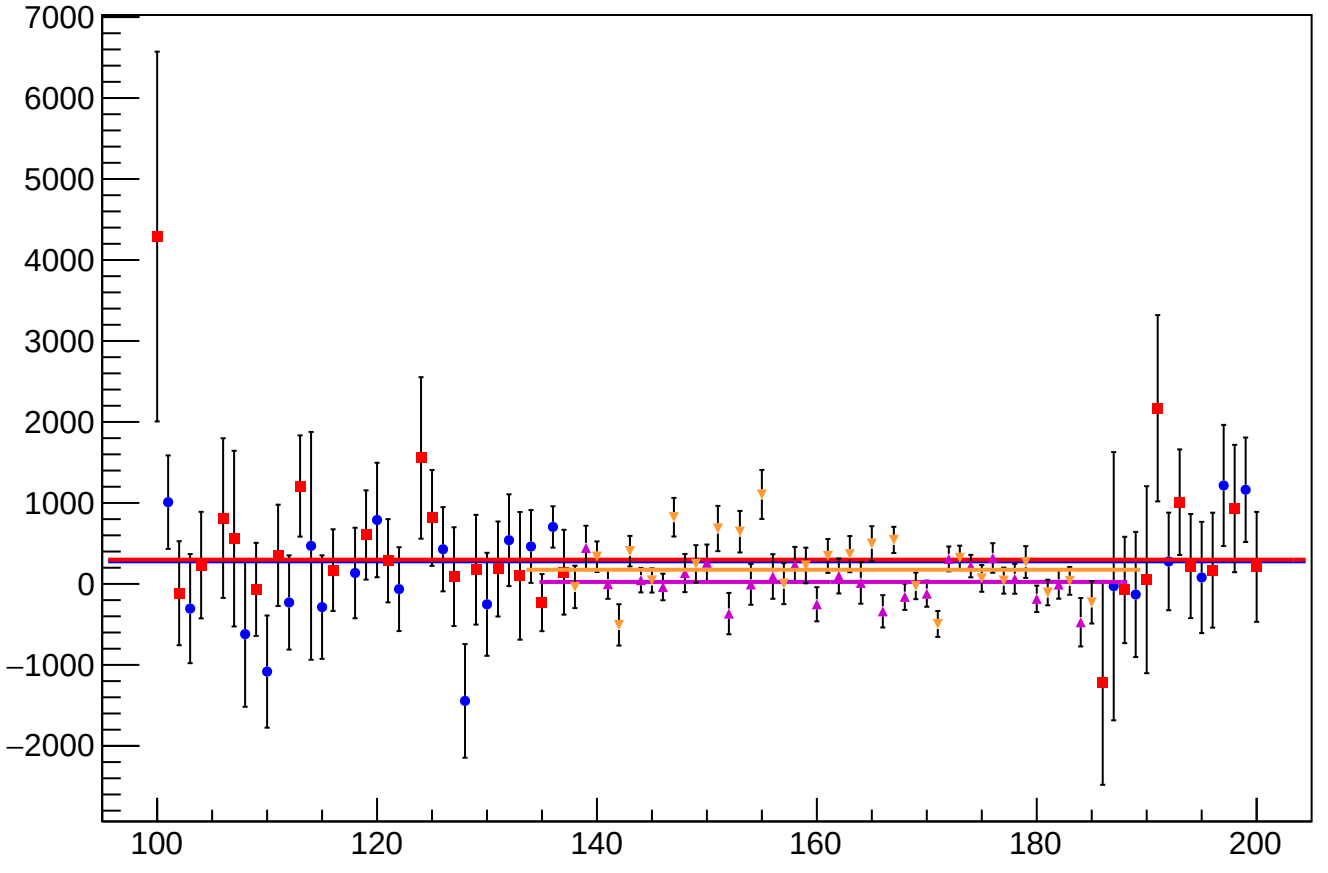
Right Out: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.864+/-0.003 χ^2/NDF: 3434297.2/46

All: 22.165+/-0.002 χ^2/NDF: 8159806.0/97

- sign 22.478+/-0.003 χ^2/NDF: 4703172.4/50



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

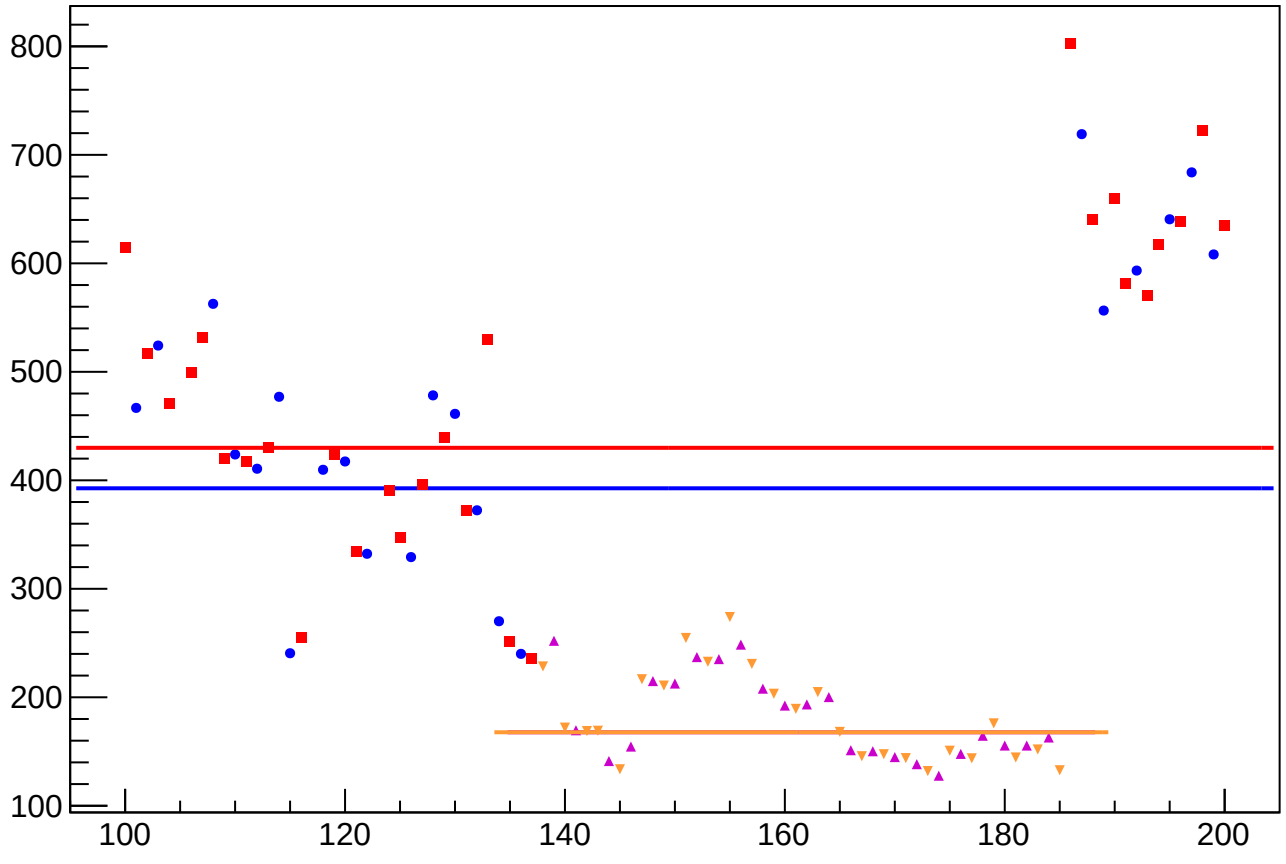
Right Out: 299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.234+/-37.219 χ^2/NDF: 95.5/46

All: 119.148+/-26.626 χ^2/NDF: 151.2/97

- sign 50.925+/-38.105 χ^2/NDF: 49.4/50



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

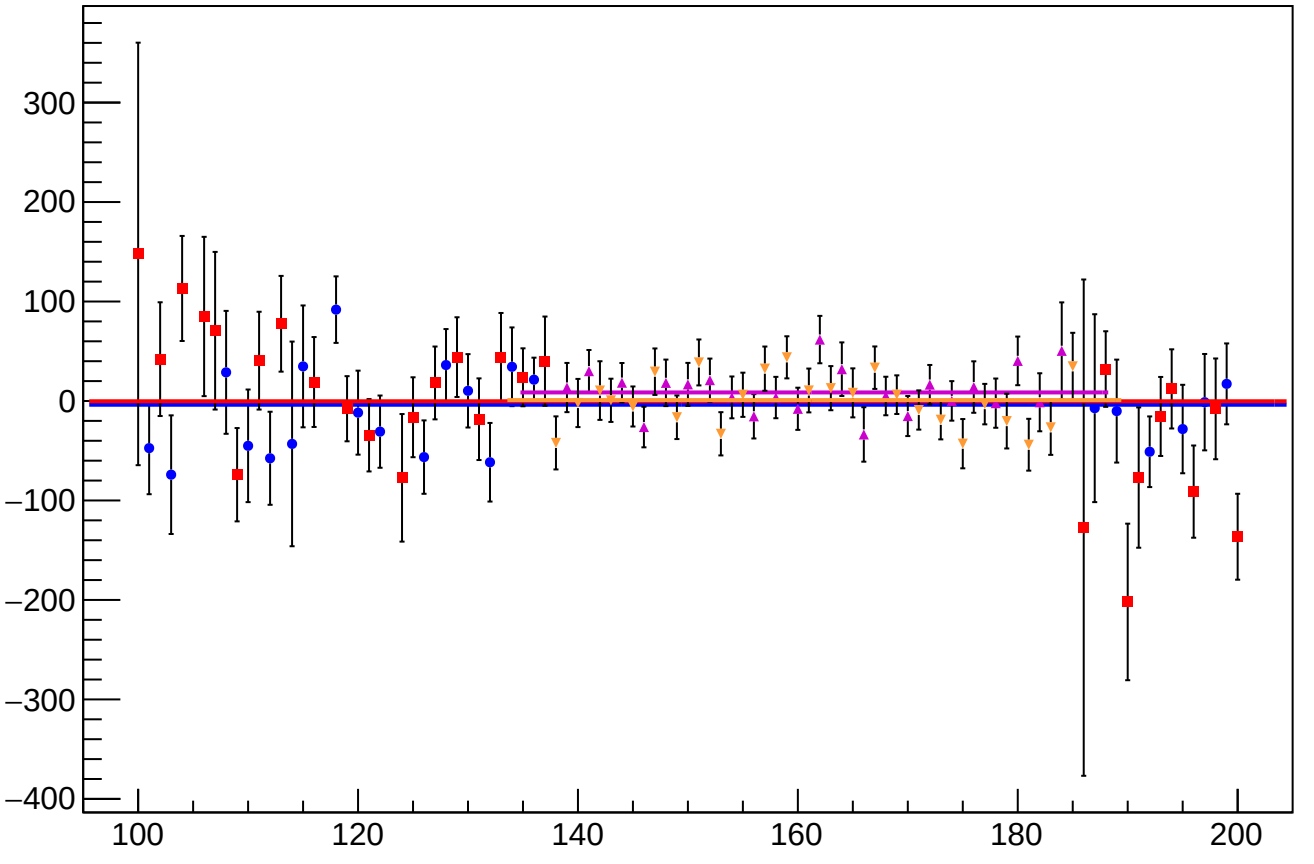
Right Out: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114943.5/46

All: 190.535+/-0.019 χ^2/NDF: 22398201.4/97

- sign 192.835+/-0.027 χ^2/NDF: 12269020.5/50



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -0.279+/-8.700 χ^2/NDF: 43.0/27

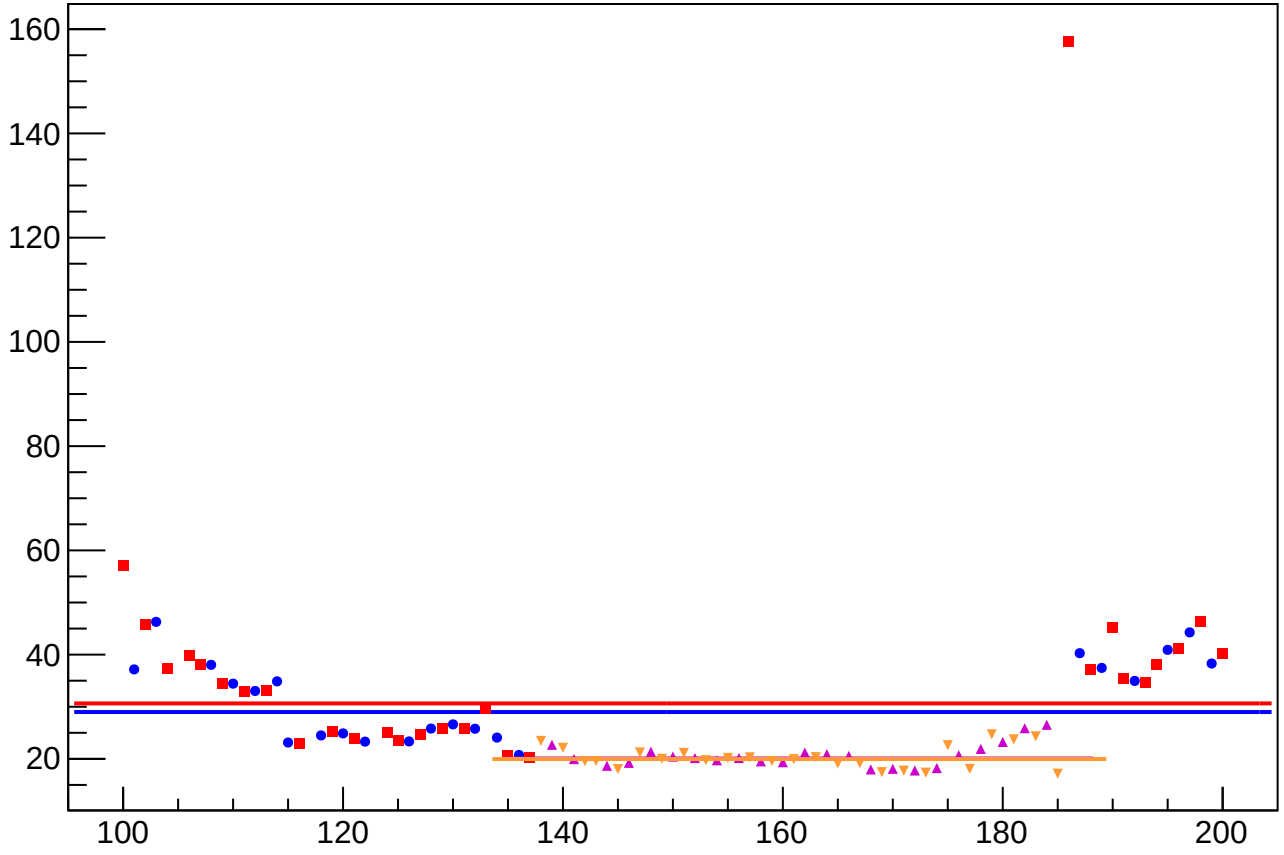
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.068+/-4.065 χ^2/NDF: 53.3/46

All: 3.186+/-2.904 χ^2/NDF: 117.8/97

- sign 6.579+/-4.151 χ^2/NDF: 63.2/50

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

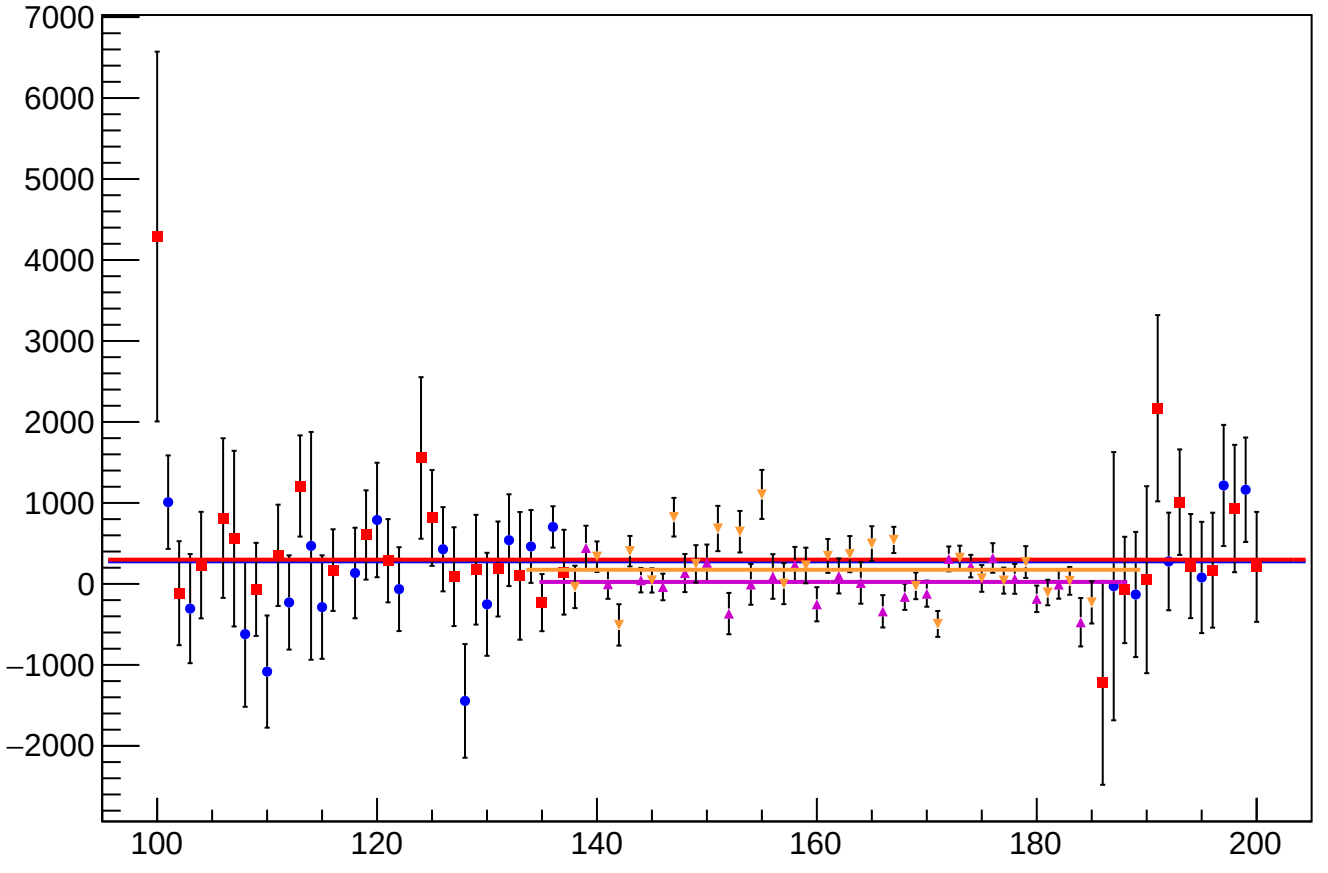
Right Out: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.864+/-0.003 χ^2/NDF: 3434297.2/46

All: 22.165+/-0.002 χ^2/NDF: 8159806.0/97

- sign 22.478+/-0.003 χ^2/NDF: 4703172.4/50



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

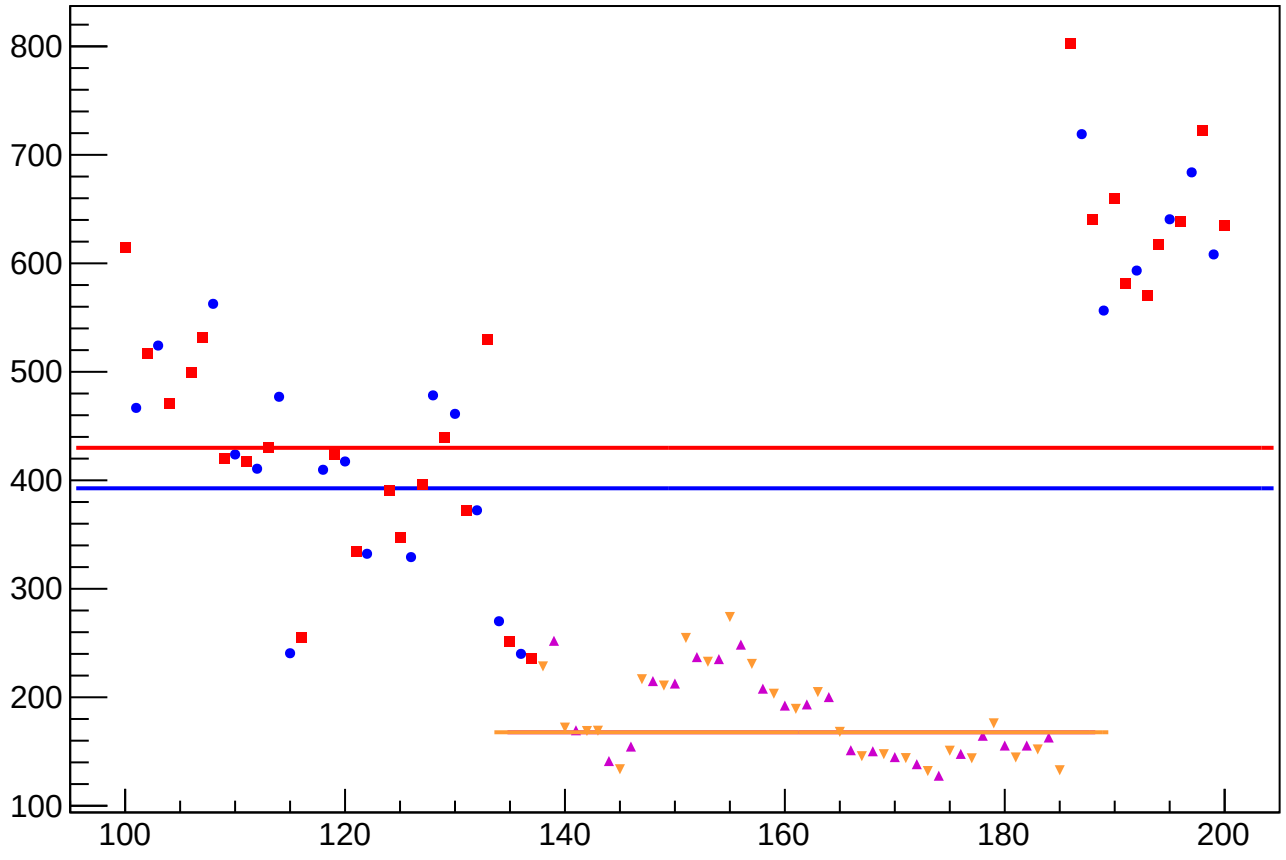
Right Out: 299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.234+/-37.219 χ^2/NDF: 95.5/46

All: 119.148+/-26.626 χ^2/NDF: 151.2/97

- sign 50.925+/-38.105 χ^2/NDF: 49.4/50



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

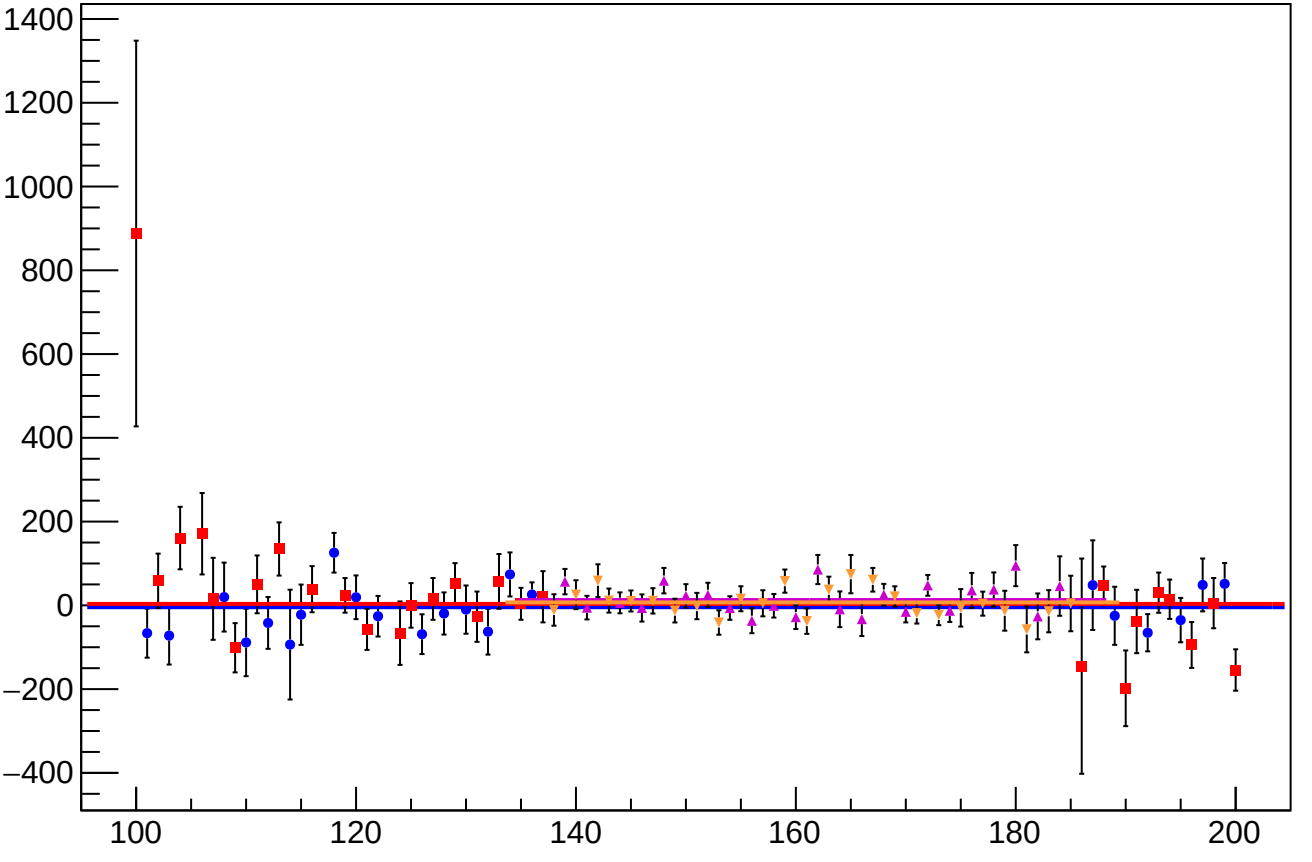
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114943.5/46

All: 190.535+/-0.019 χ^2/NDF: 22398201.4/97

- sign 192.835+/-0.027 χ^2/NDF: 12269020.5/50

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.417+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 3.439+/-11.047 χ^2/NDF: 45.0/27

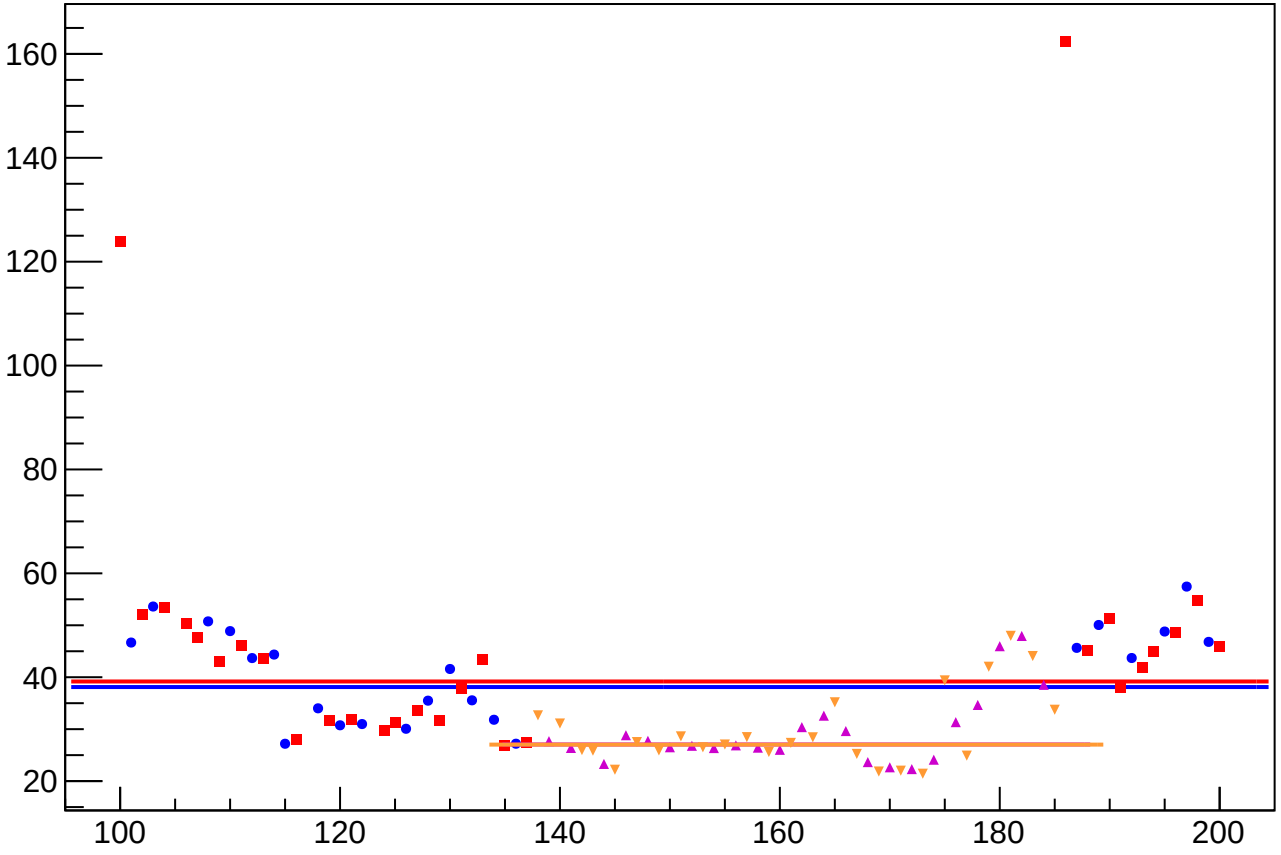
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.451+/-5.562 χ^2/NDF: 46.5/46

All: 7.354+/-3.950 χ^2/NDF: 118.2/97

- sign 10.309+/-5.611 χ^2/NDF: 71.1/50

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.108+/-0.008 χ^2/NDF: 1208032.6/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

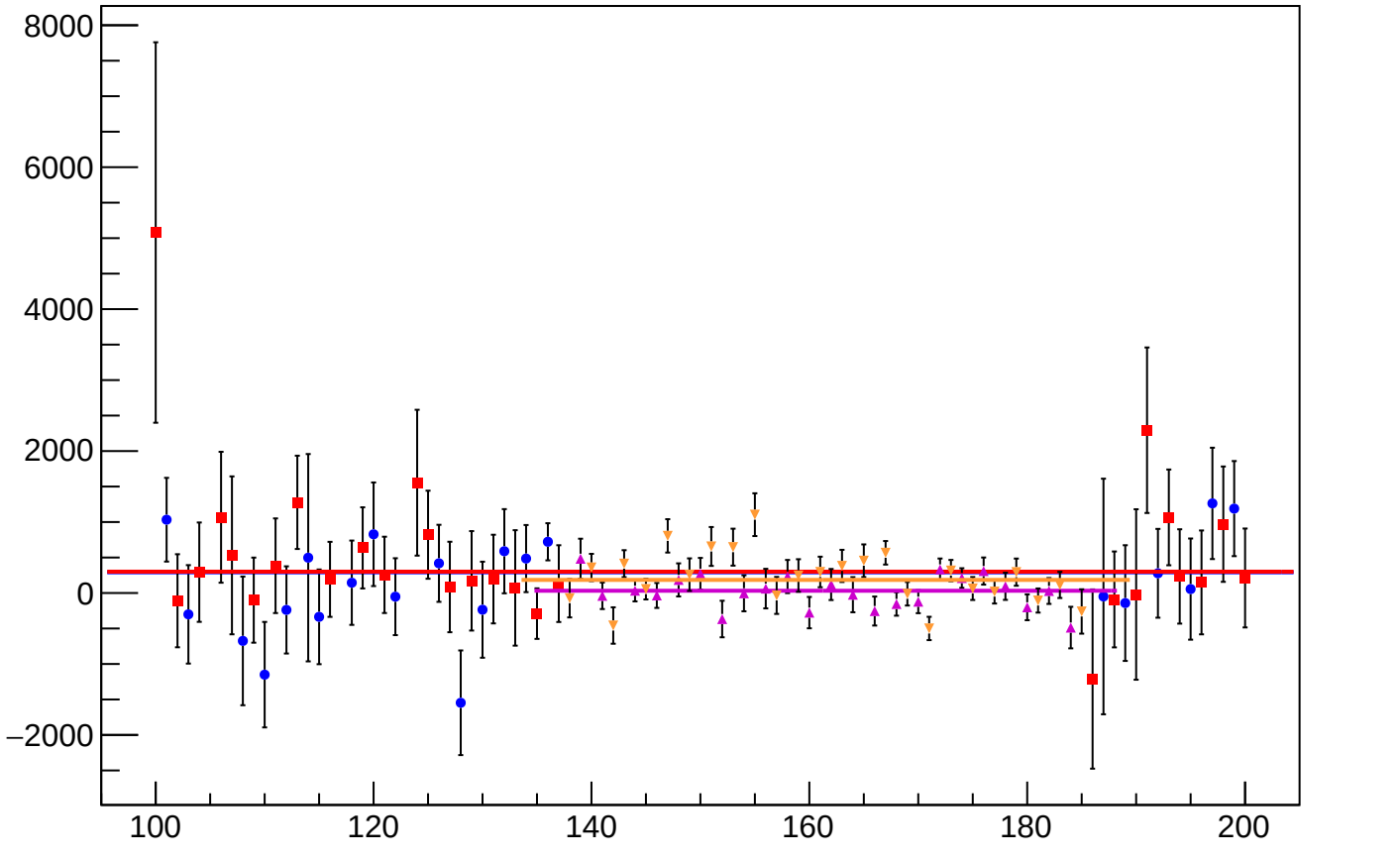
Right Out: 39.180+/-0.008 χ^2/NDF: 1723054.0/27

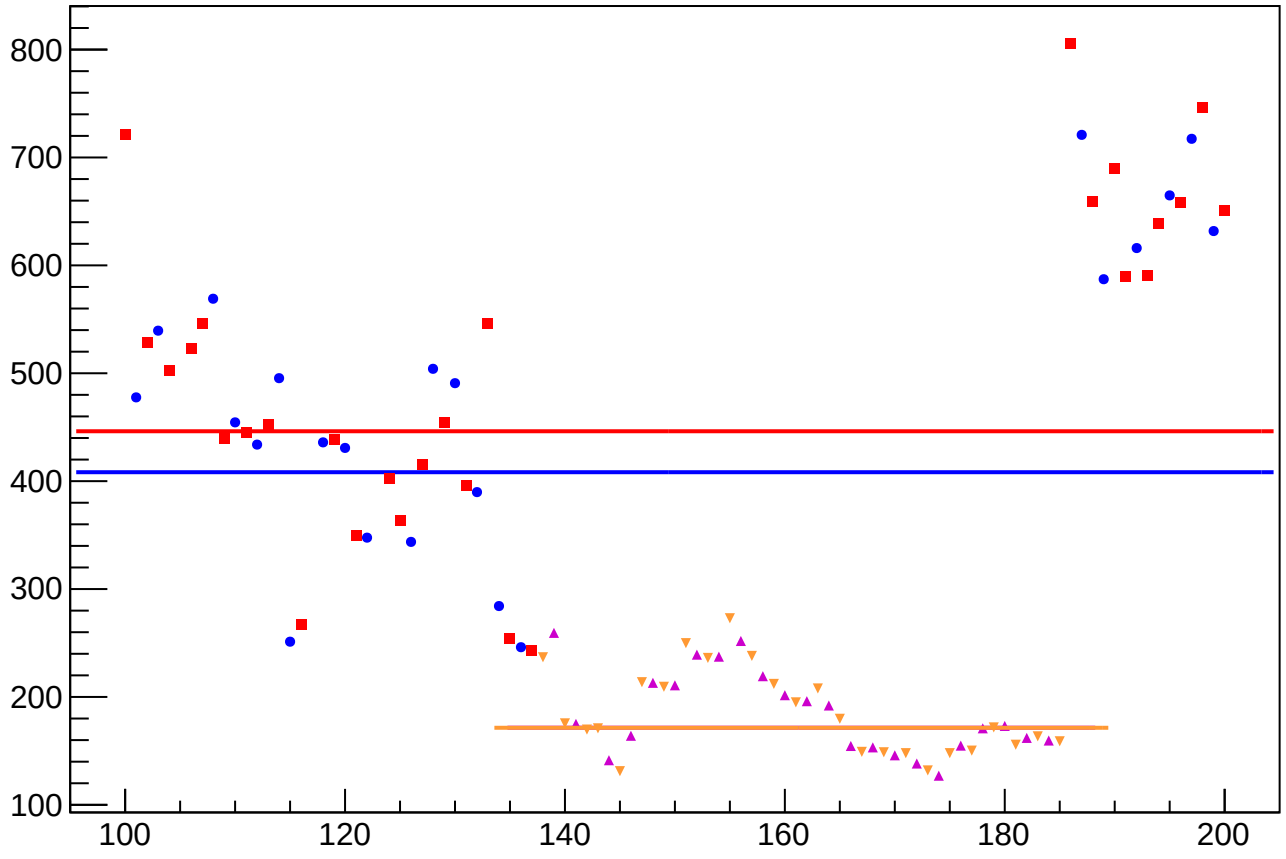
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.560+/-0.004 χ^2/NDF: 4038334.3/46

All: 29.867+/-0.003 χ^2/NDF: 8606902.9/97

- sign 30.181+/-0.004 χ^2/NDF: 4556207.3/50


asym_sam_1357_2468_dd_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 291.769+/-127.967 χ²/NDF: 23.6/21
Left Out: 184.675+/-39.832 χ²/NDF:67.7/24
Right Out: 300.816+/-127.495 χ²/NDF: 19.5/27
Left In: 31.891+/-40.975 χ²/NDF:26.4/22
+ sign 194.134+/-38.032 χ²/NDF: 92.0/46
All: 127.340+/-27.232 χ²/NDF: 148.2/97
- sign 57.067+/-39.010 χ²/NDF: 49.9/50



Right In: 408.290+/-0.090 χ^2/NDF: 2503118.7/21

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 446.252+/-0.090 χ^2/NDF: 2685512.3/27

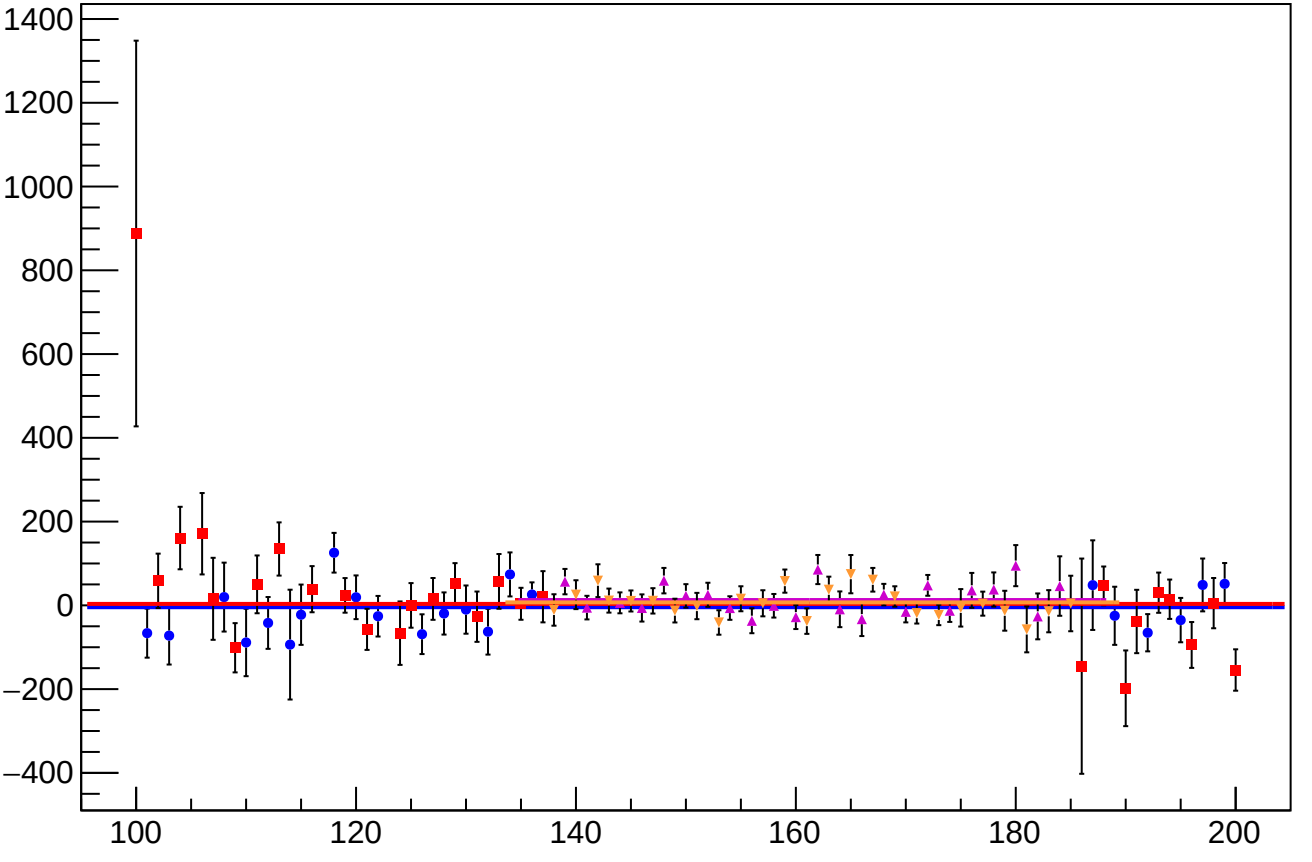
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 192.349+/-0.027 χ^2/NDF: 10276880.2/46

All: 194.719+/-0.019 χ^2/NDF: 22813198.5/97

- sign 197.212+/-0.028 χ^2/NDF: 12520378.3/50

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.418+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 3.439+/-11.047 χ^2/NDF: 45.0/27

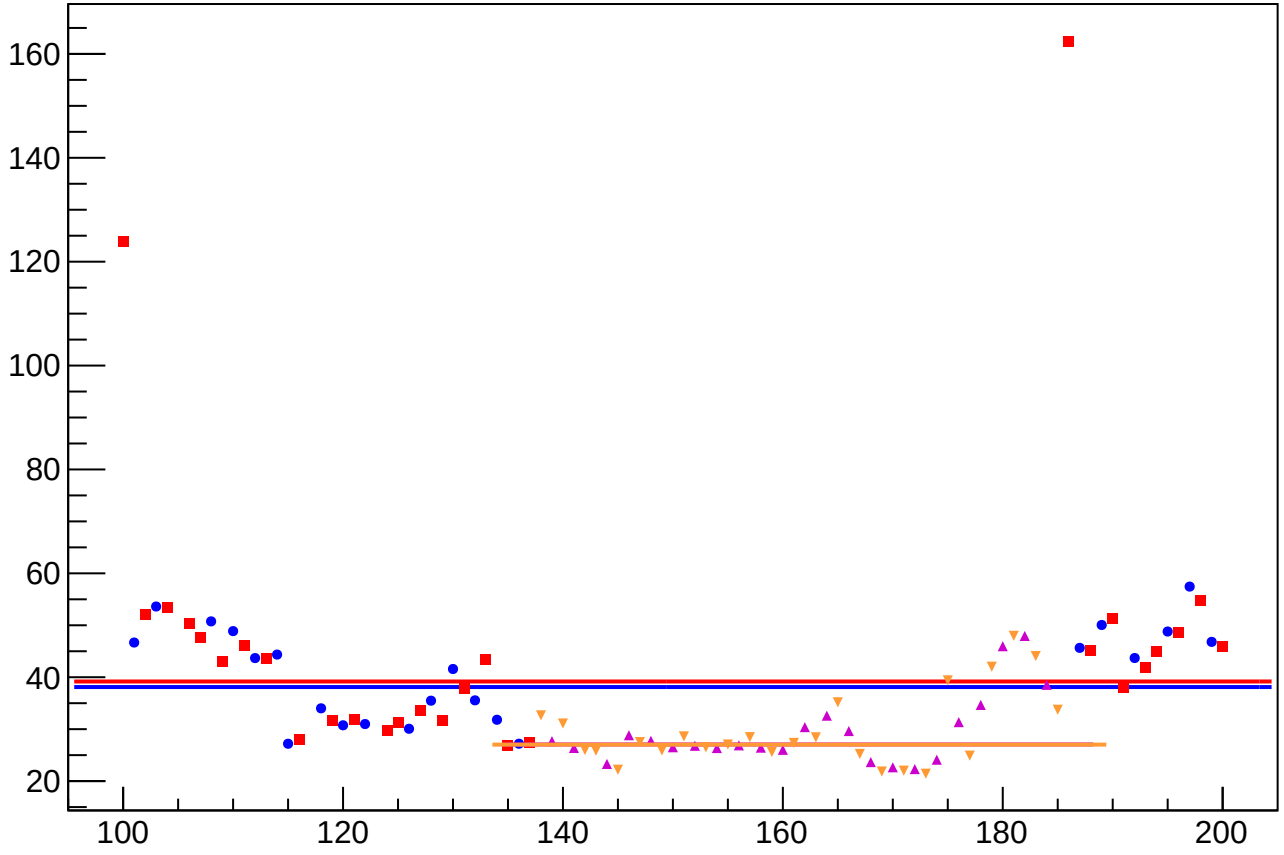
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.451+/-5.562 χ^2/NDF: 46.5/46

All: 7.354+/-3.950 χ^2/NDF: 118.2/97

- sign 10.309+/-5.611 χ^2/NDF: 71.1/50

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.107+/-0.008 χ^2/NDF: 1208032.3/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

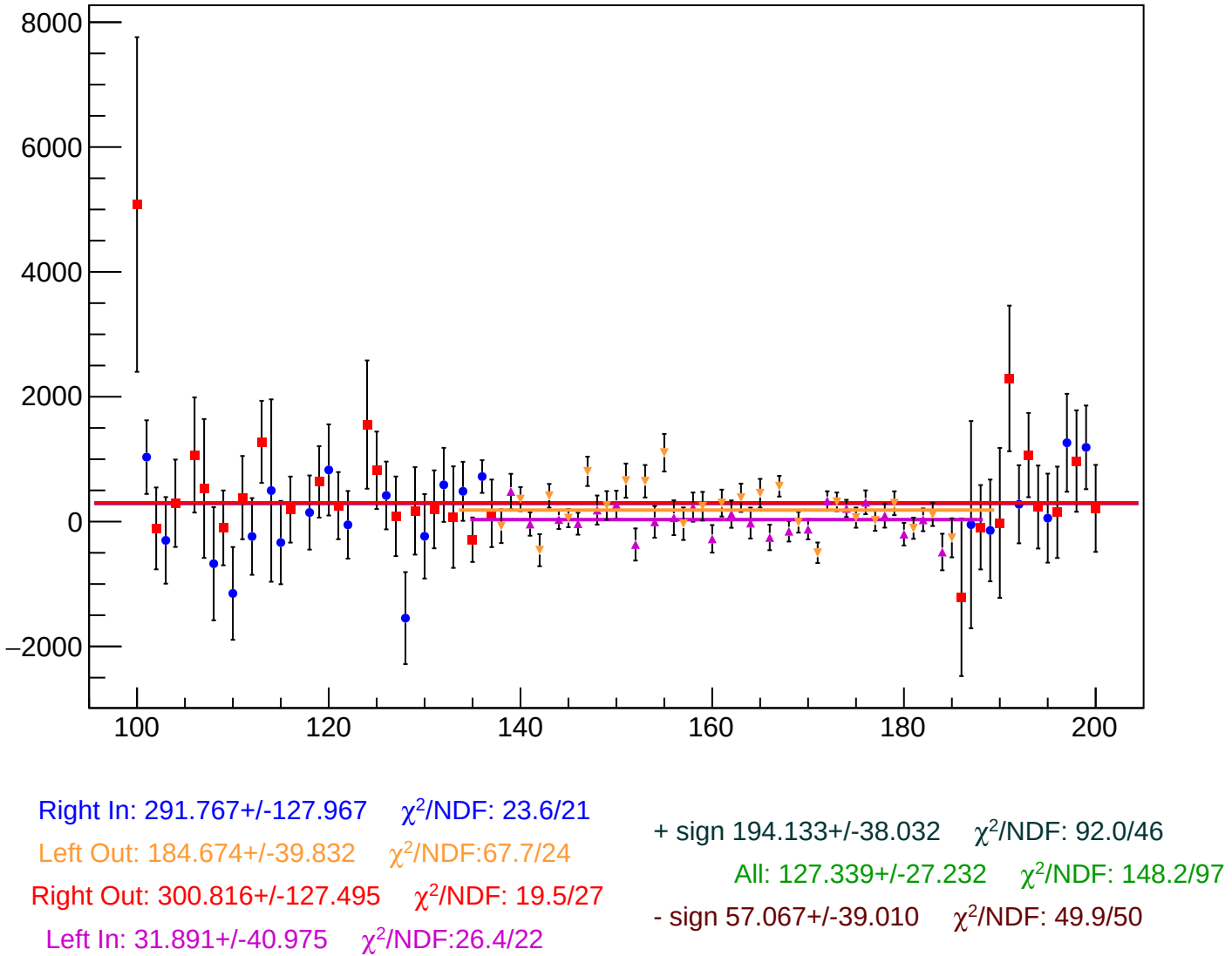
Right Out: 39.180+/-0.008 χ^2/NDF: 1723067.4/27

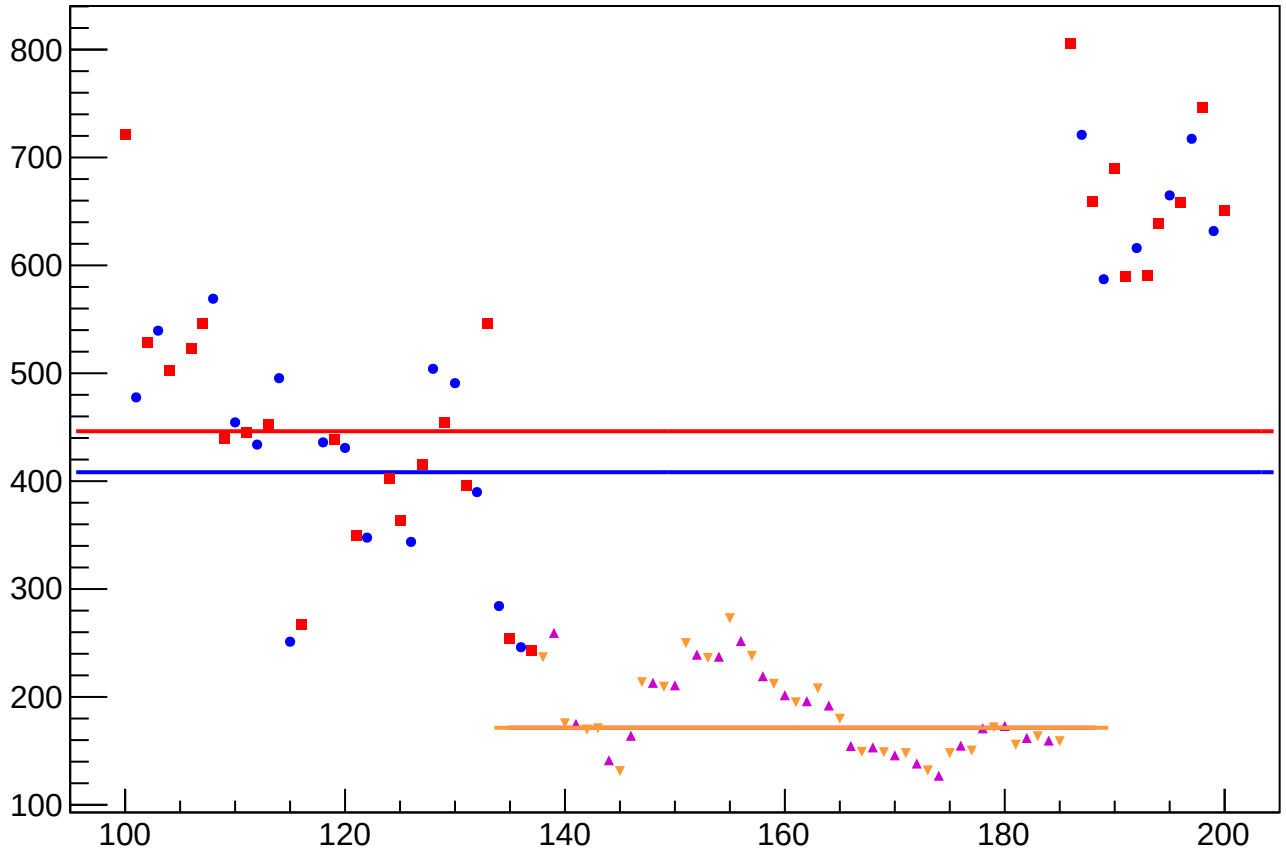
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.560+/-0.004 χ^2/NDF: 4038233.2/46

All: 29.867+/-0.003 χ^2/NDF: 8606690.3/97

- sign 30.181+/-0.004 χ^2/NDF: 4556096.6/50


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 291.767+/-127.967 χ²/NDF: 23.6/21
Left Out: 184.674+/-39.832 χ²/NDF:67.7/24
Right Out: 300.816+/-127.495 χ²/NDF: 19.5/27
Left In: 31.891+/-40.975 χ²/NDF:26.4/22
+ sign 194.133+/-38.032 χ²/NDF: 92.0/46
All: 127.339+/-27.232 χ²/NDF: 148.2/97
- sign 57.067+/-39.010 χ²/NDF: 49.9/50



Right In: 408.289+/-0.090 χ^2/NDF: 2503121.7/21

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 446.251+/-0.090 χ^2/NDF: 2685521.3/27

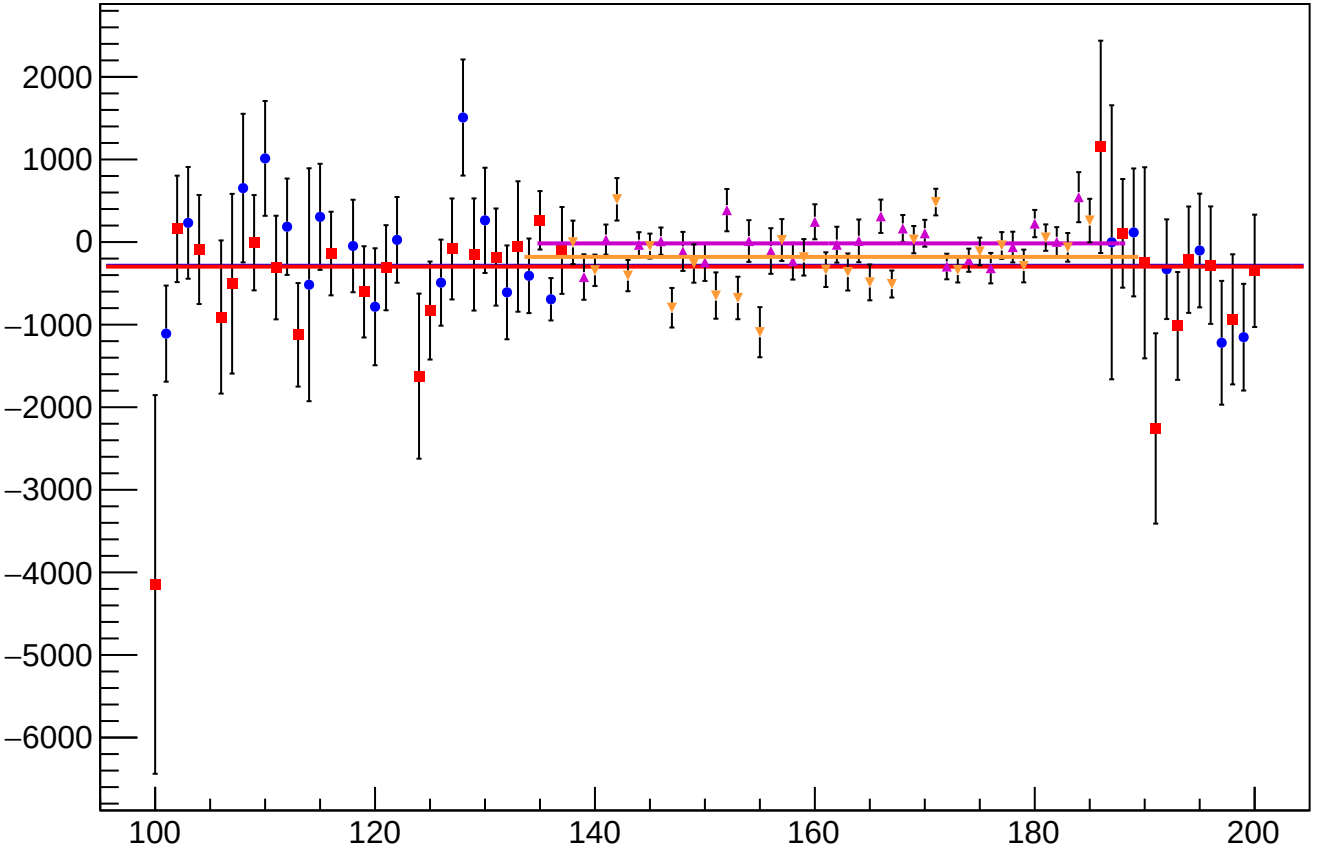
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 192.348+/-0.027 χ^2/NDF: 10276907.8/46

All: 194.718+/-0.019 χ^2/NDF: 22813262.8/97

- sign 197.212+/-0.028 χ^2/NDF: 12520415.7/50

asym_sam_1357_2468_dd_mean vs Slug



Right In: -287.120+/-123.421 χ^2/NDF: 23.8/21

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -297.239+/-123.430 χ^2/NDF: 18.2/27

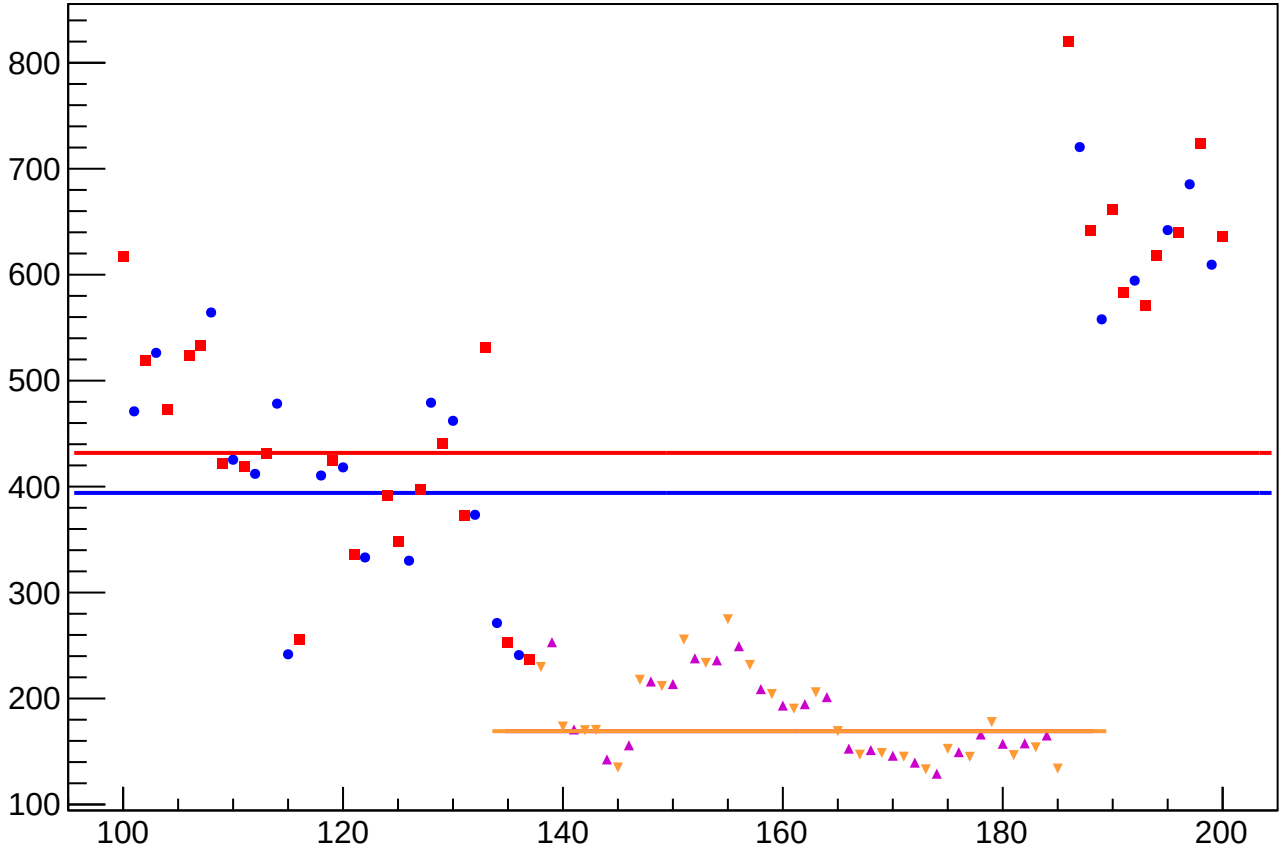
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -189.578+/-37.502 χ^2/NDF: 91.6/46

All: -118.135+/-26.827 χ^2/NDF: 148.5/97

- sign -43.261+/-38.392 χ^2/NDF: 49.5/50

asym_sam_1357_2468_dd_rms vs Slug



Right In: 394.040+/-0.087 χ^2/NDF: 2456867.8/21

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

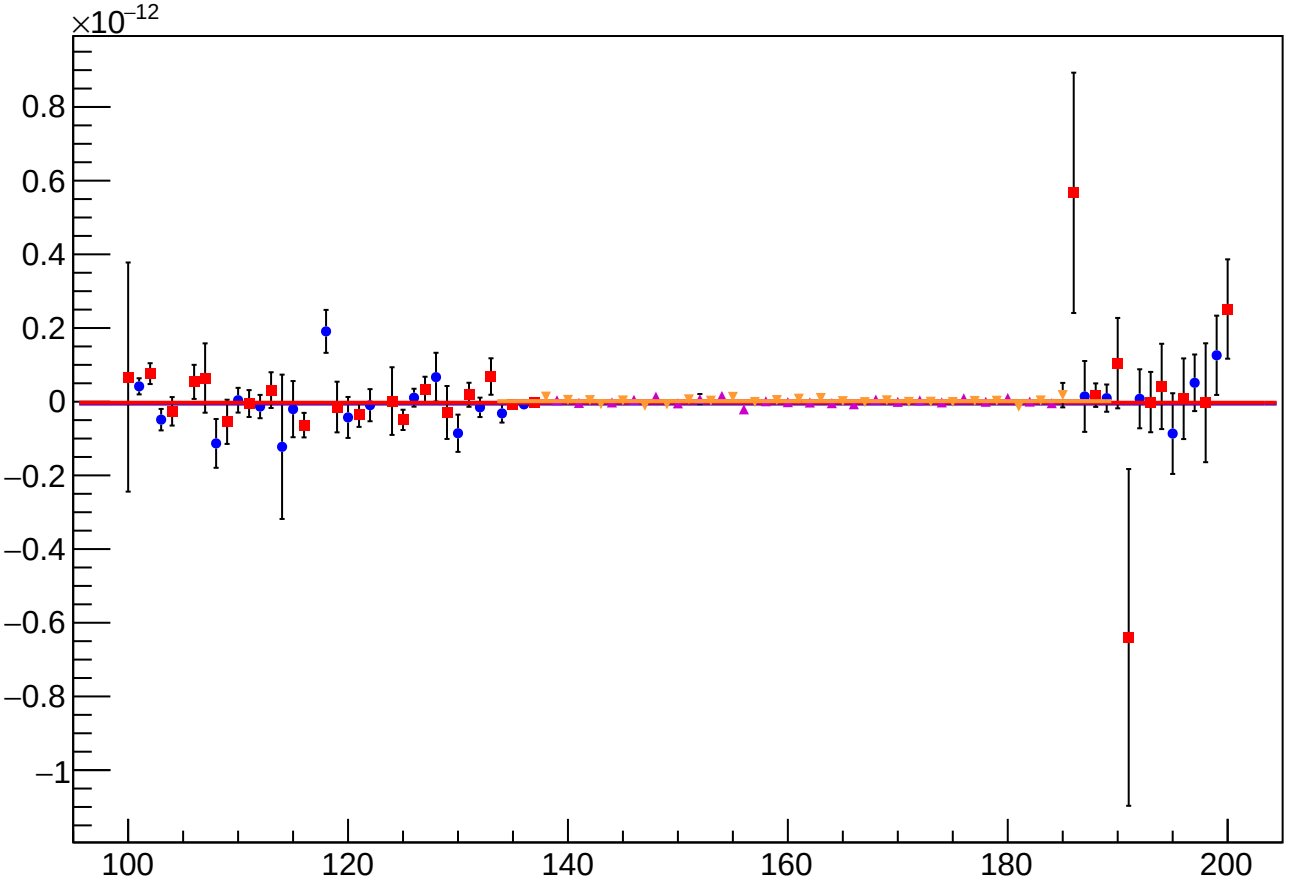
Right Out: 431.801+/-0.087 χ^2/NDF: 2682460.2/27

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 189.942+/-0.027 χ^2/NDF: 10030146.2/46

All: 192.214+/-0.019 χ^2/NDF: 22279809.5/97

- sign 194.595+/-0.027 χ^2/NDF: 12234635.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

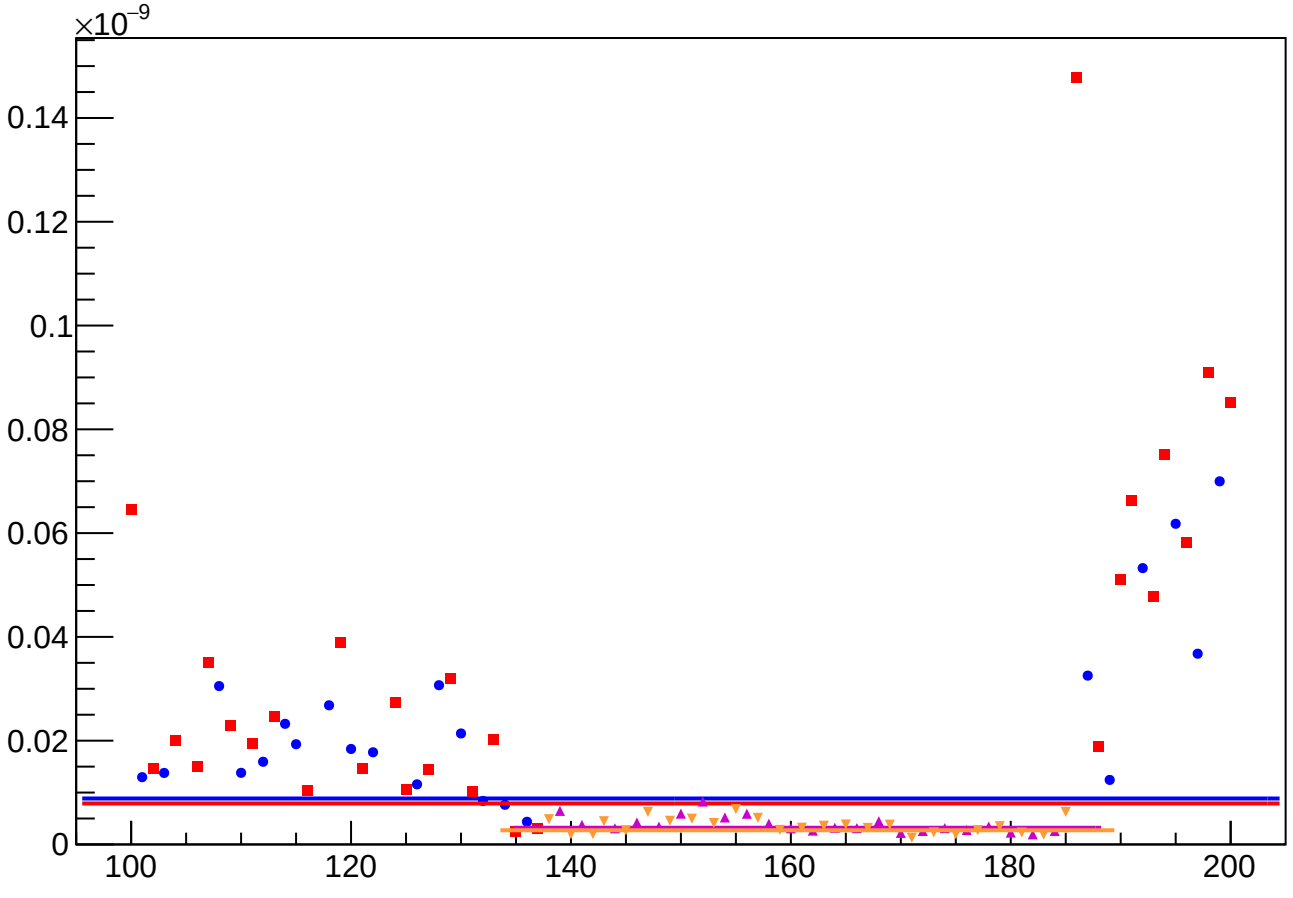
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/27

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.4/97

- sign 0.000+/-0.000 χ^2/NDF: 53.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4126045.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

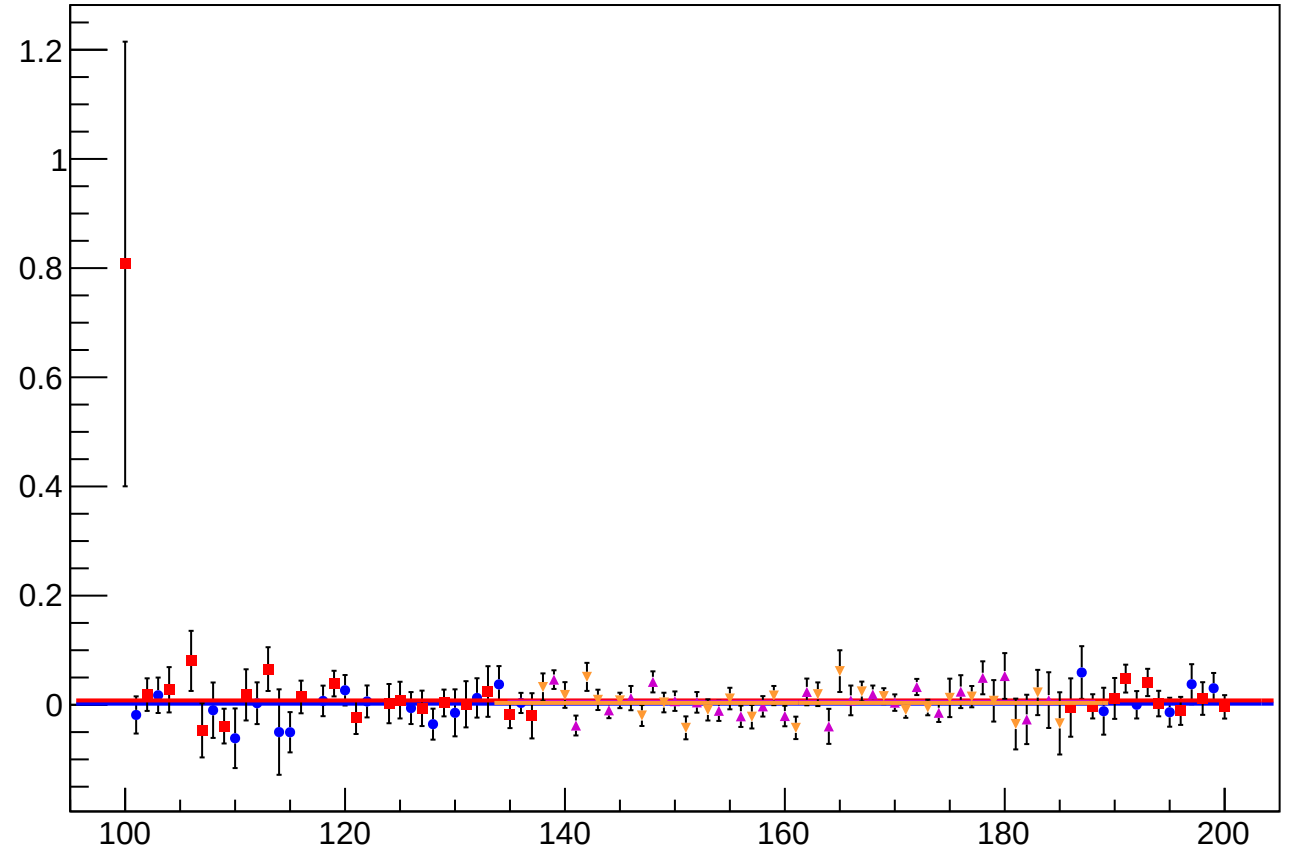
Right Out: 0.000+/-0.000 χ^2/NDF: 7108595.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8364310.6/46

All: 0.000+/-0.000 χ^2/NDF: 18389997.5/97

- sign 0.000+/-0.000 χ^2/NDF: 9862144.6/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

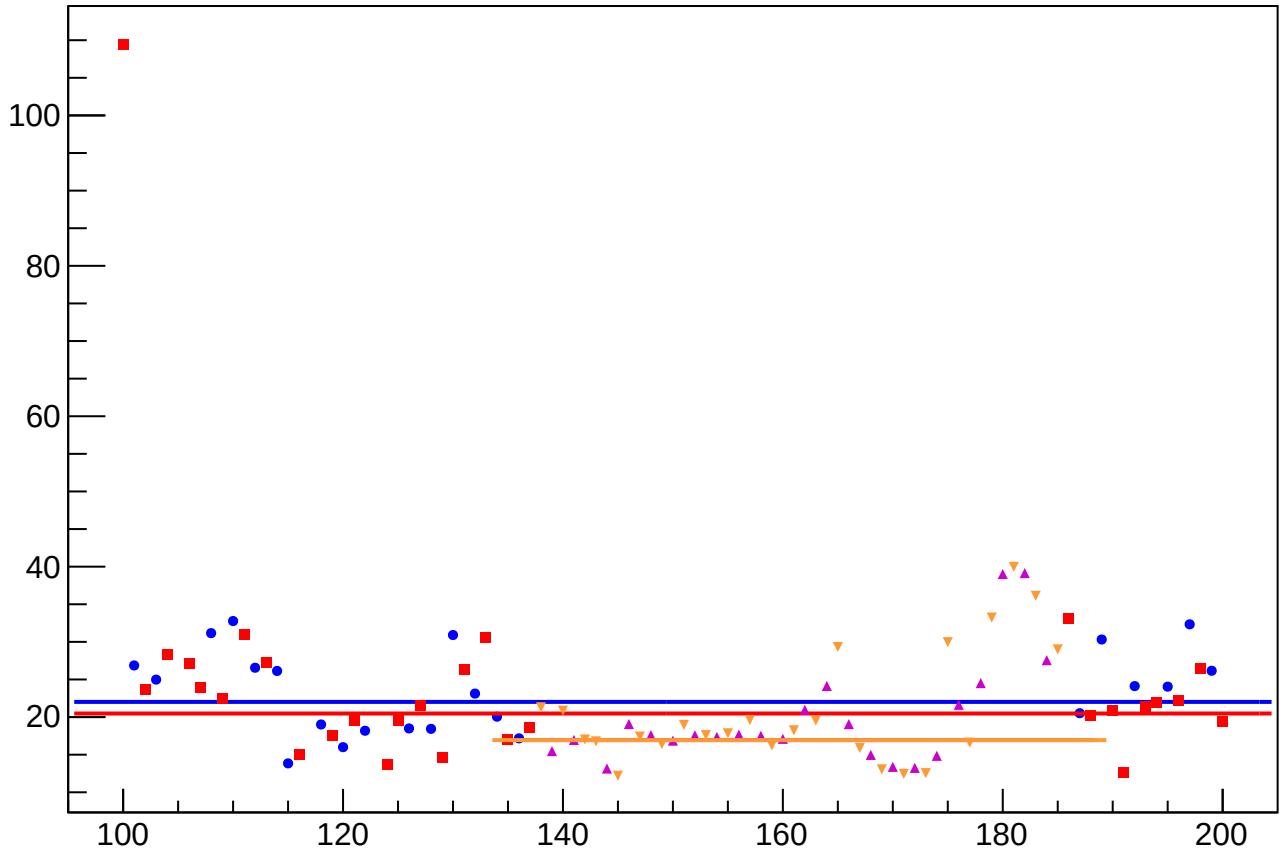
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.7/97

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

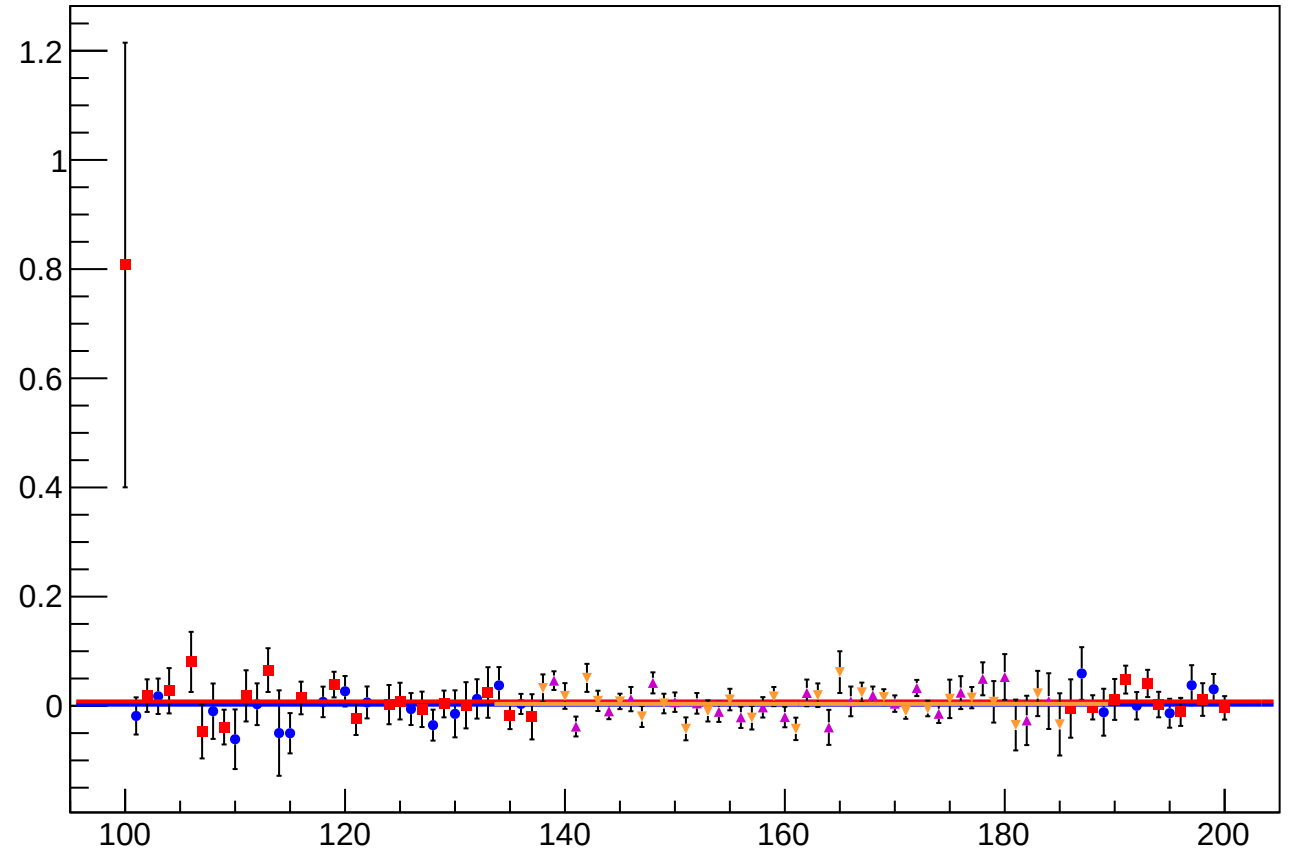
Right Out: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.278+/-0.002 χ^2/NDF: 4728837.9/46

All: 18.203+/-0.002 χ^2/NDF: 8424321.5/97

\- sign 18.133+/-0.002 χ^2/NDF: 3693745.6/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

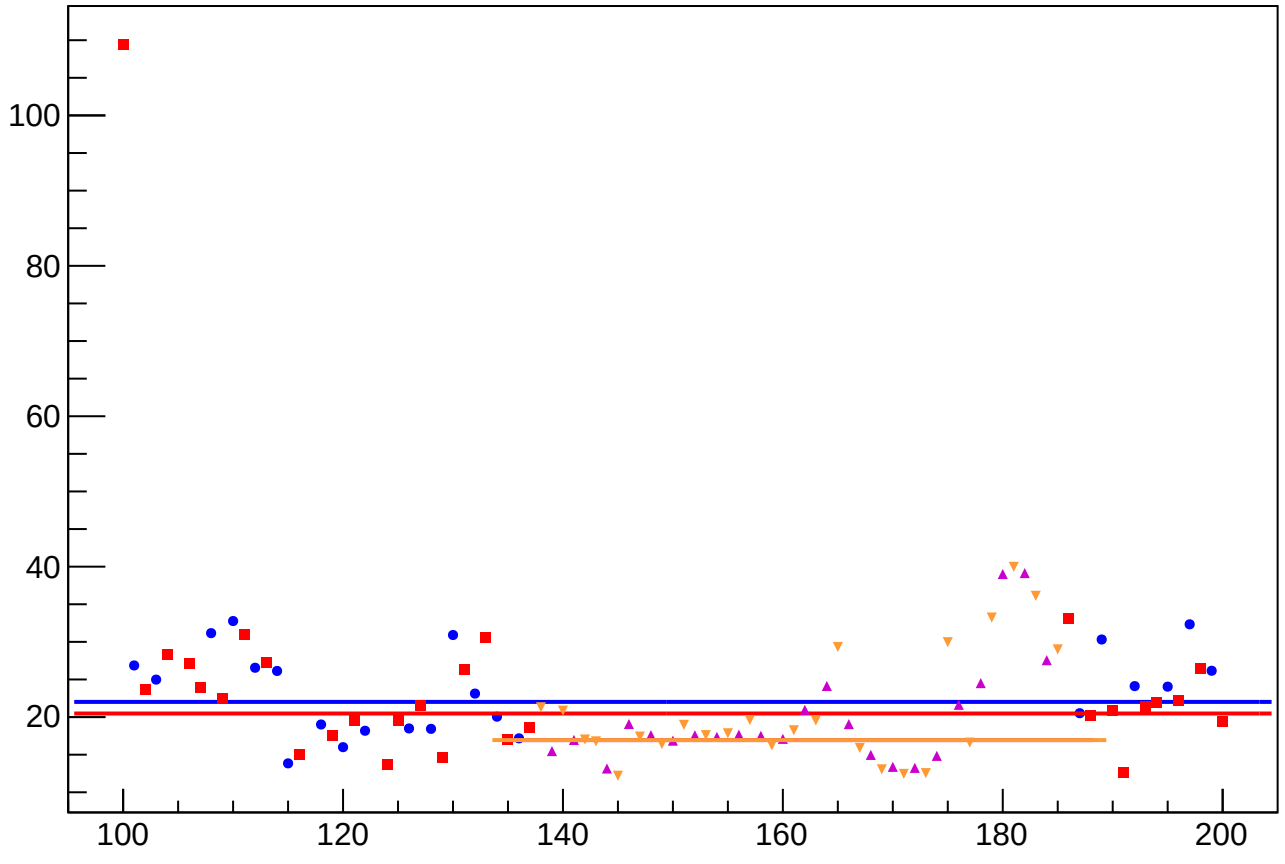
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.7/97

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

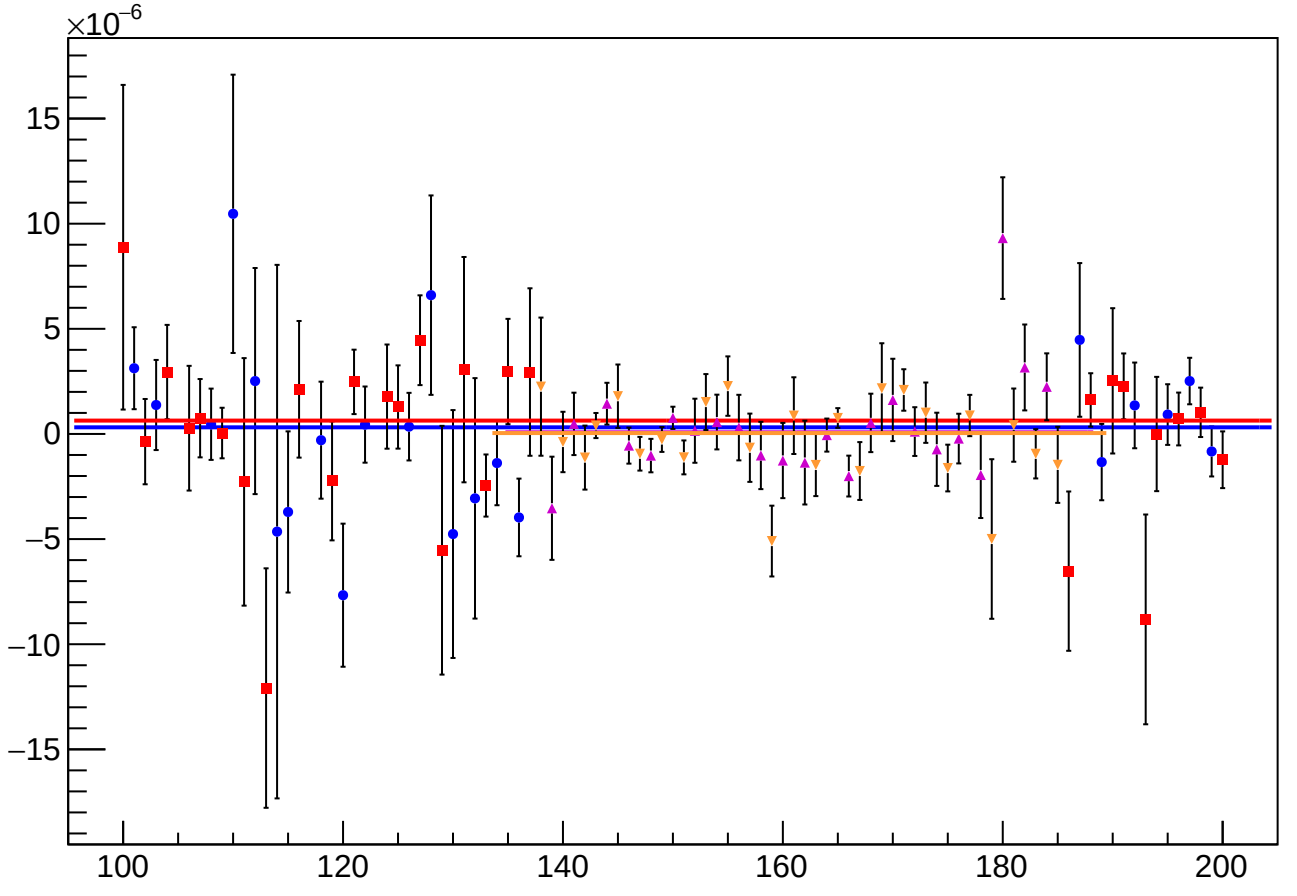
Right Out: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.278+/-0.002 χ^2/NDF: 4728837.9/46

All: 18.203+/-0.002 χ^2/NDF: 8424321.5/97

\- sign 18.133+/-0.002 χ^2/NDF: 3693745.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

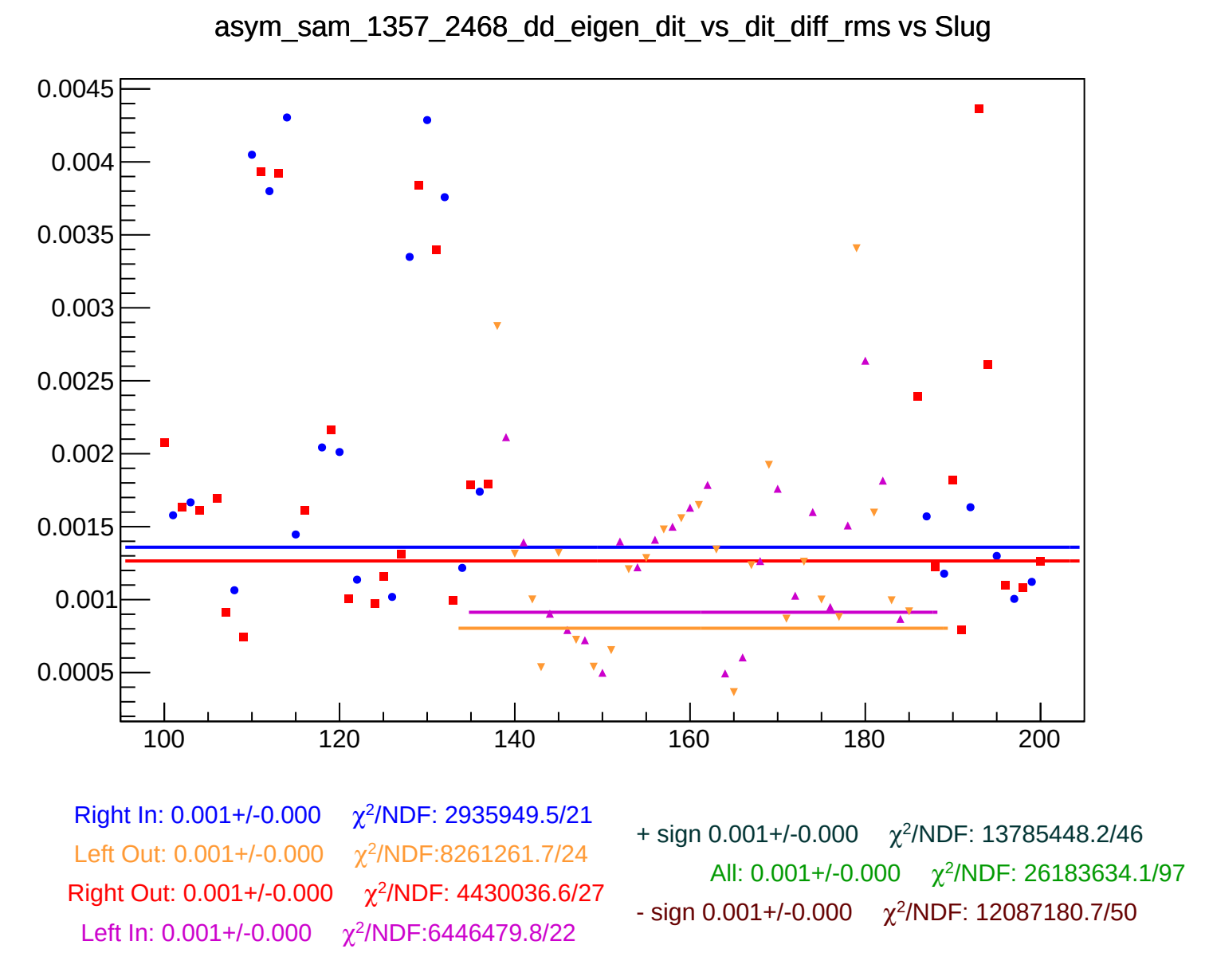
Right Out: 0.000+/-0.000 χ^2/NDF: 32.2/27

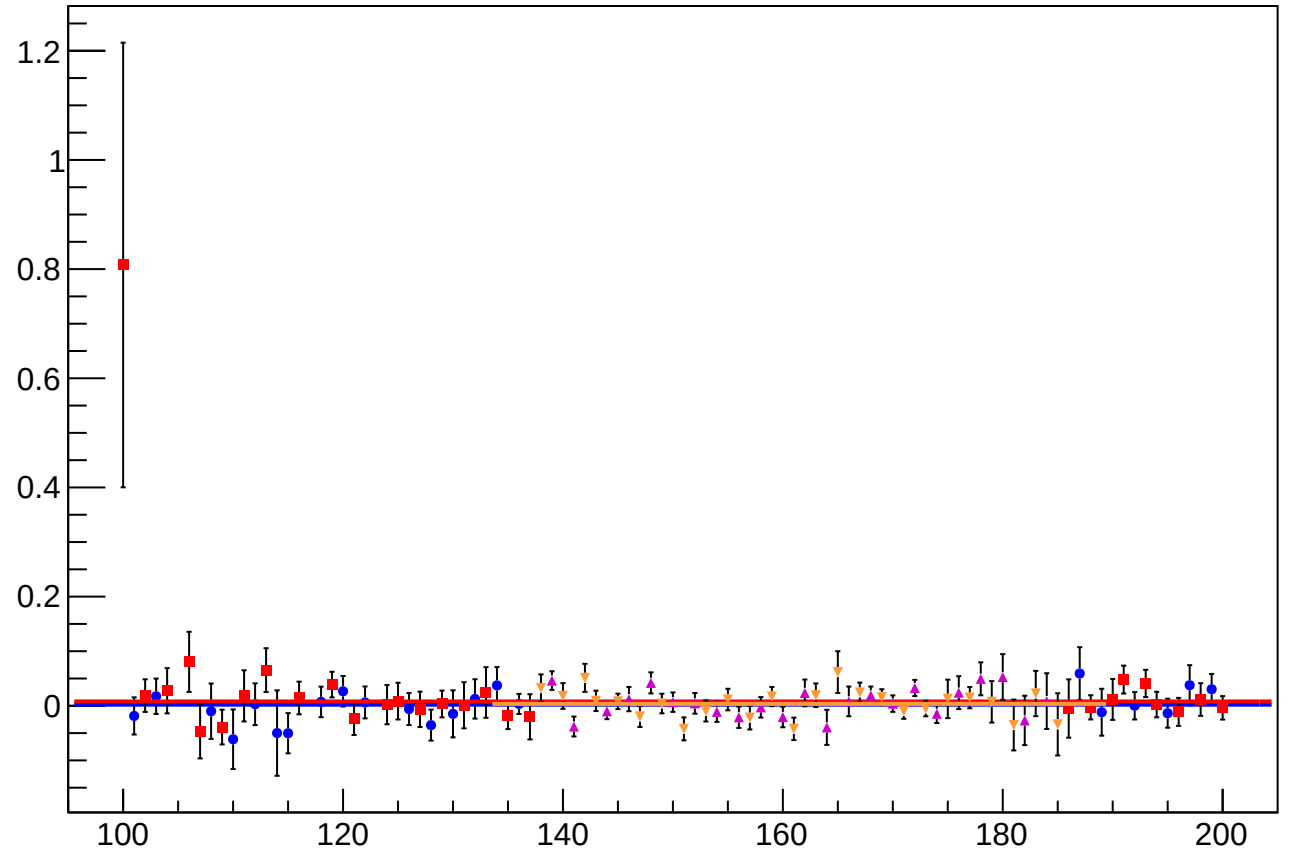
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/46

All: 0.000+/-0.000 χ^2/NDF: 130.5/97

- sign 0.000+/-0.000 χ^2/NDF: 64.7/50


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 2935949.5/21
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4430036.6/27
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13785448.2/46
All: 0.001+/-0.000 χ²/NDF: 26183634.1/97
- sign 0.001+/-0.000 χ²/NDF: 12087180.7/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

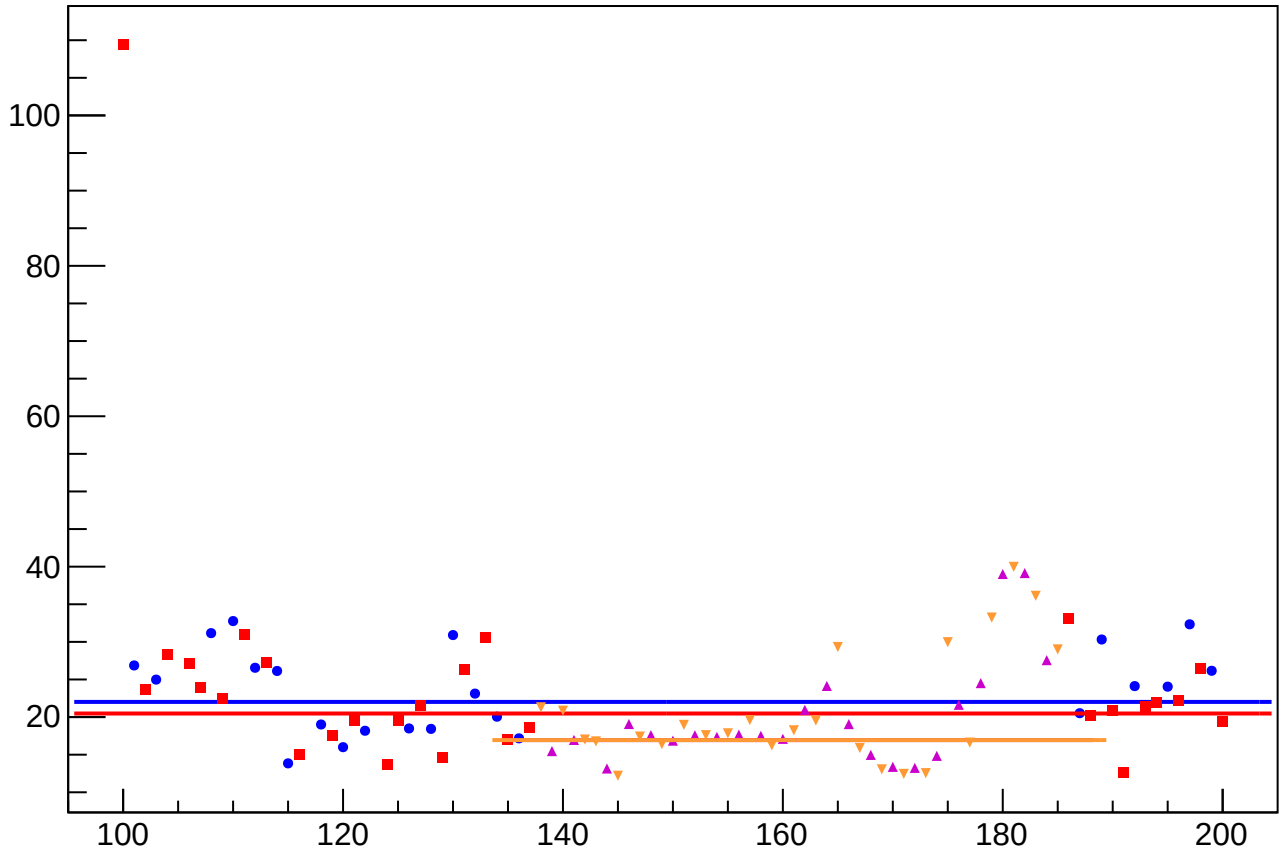
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.7/97

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.474+/-0.004 χ^2/NDF: 1273119.5/27

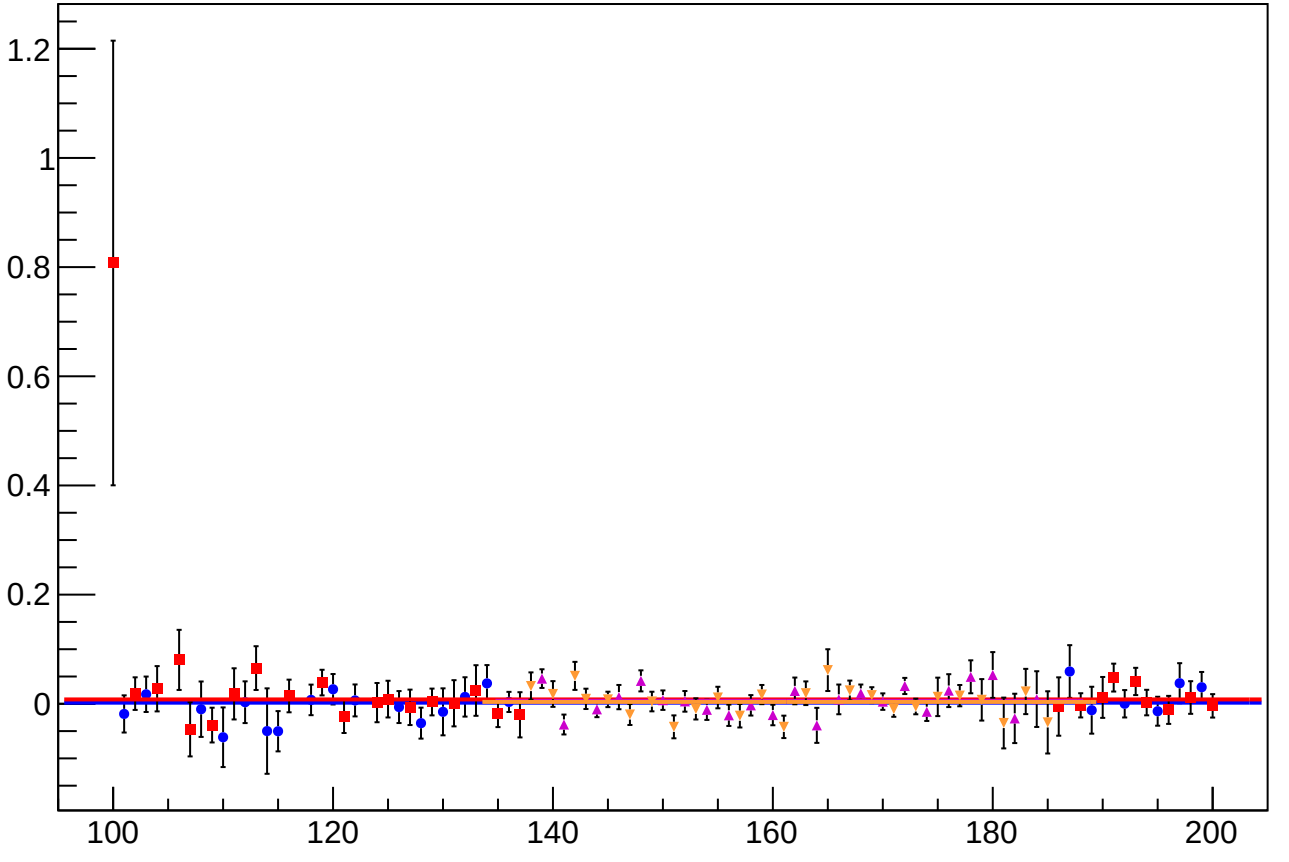
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.278+/-0.002 χ^2/NDF: 4728610.2/46

All: 18.203+/-0.002 χ^2/NDF: 8423986.8/97

- sign 18.133+/-0.002 χ^2/NDF: 3693636.5/50

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

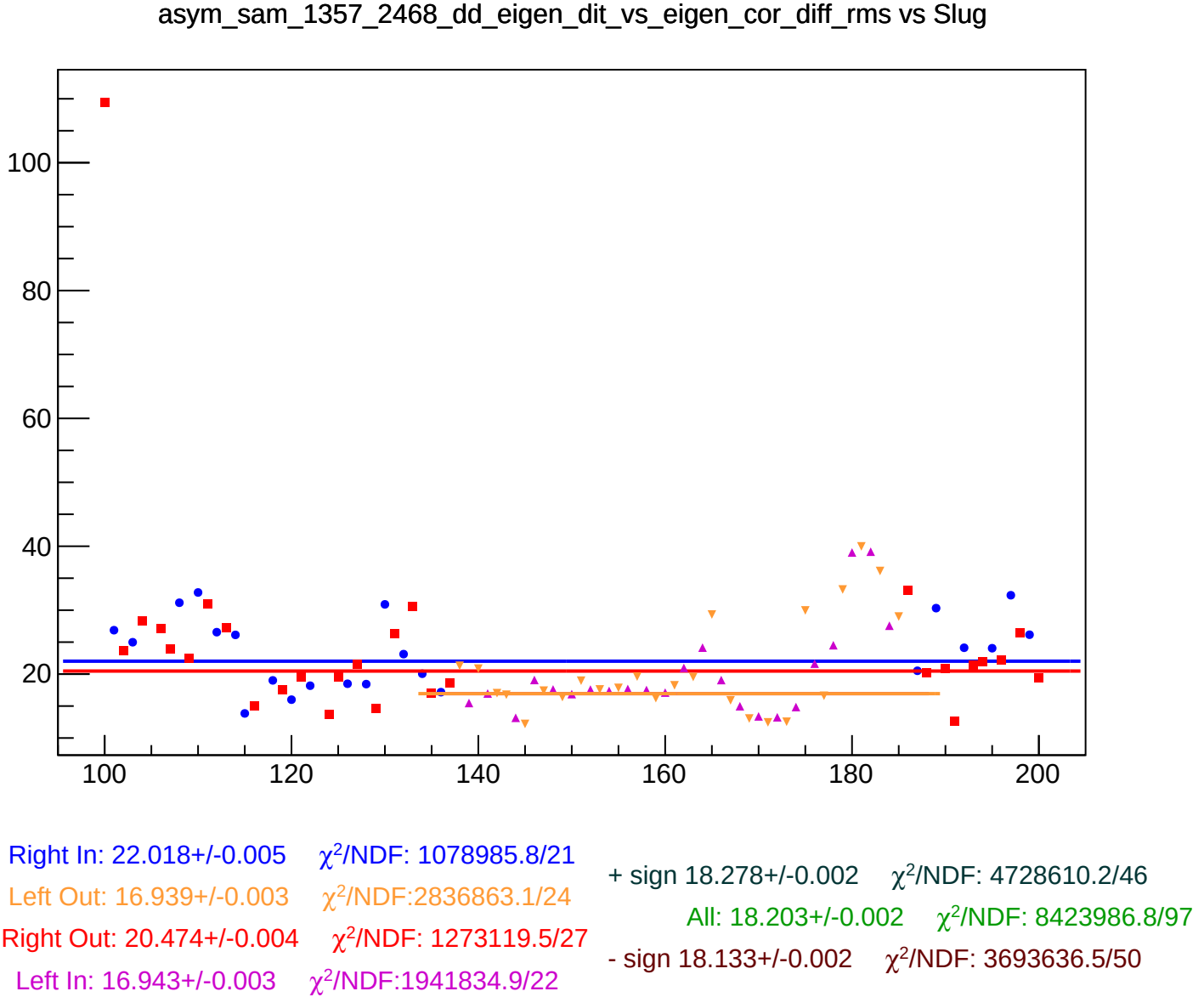
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

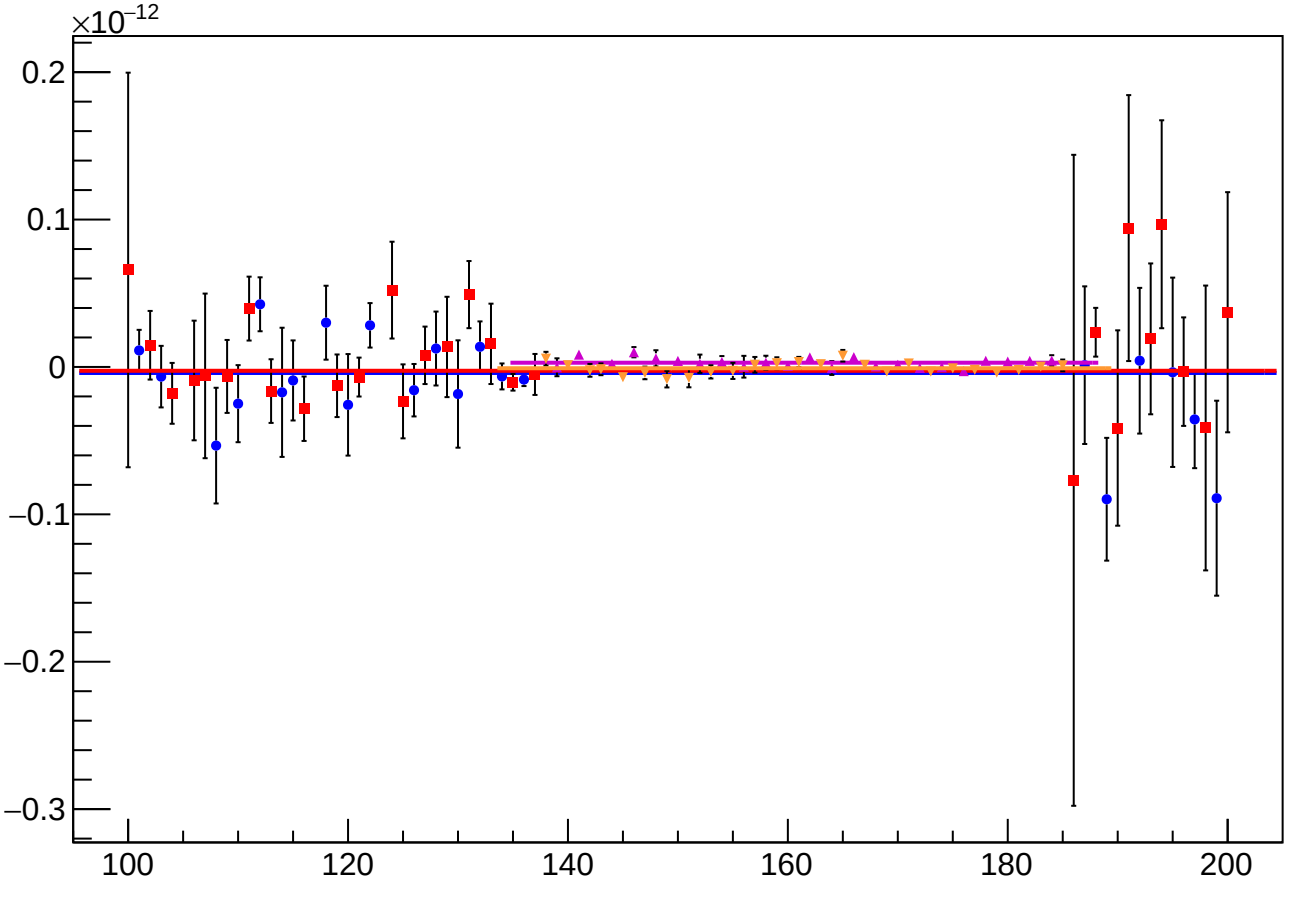
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.7/97

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
120
140
160
180
200
Right In: 22.018+/-0.005 χ²/NDF: 1078985.8/21
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.474+/-0.004 χ²/NDF: 1273119.5/27
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 18.278+/-0.002 χ²/NDF: 4728610.2/46
All: 18.203+/-0.002 χ²/NDF: 8423986.8/97
- sign 18.133+/-0.002 χ²/NDF: 3693636.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

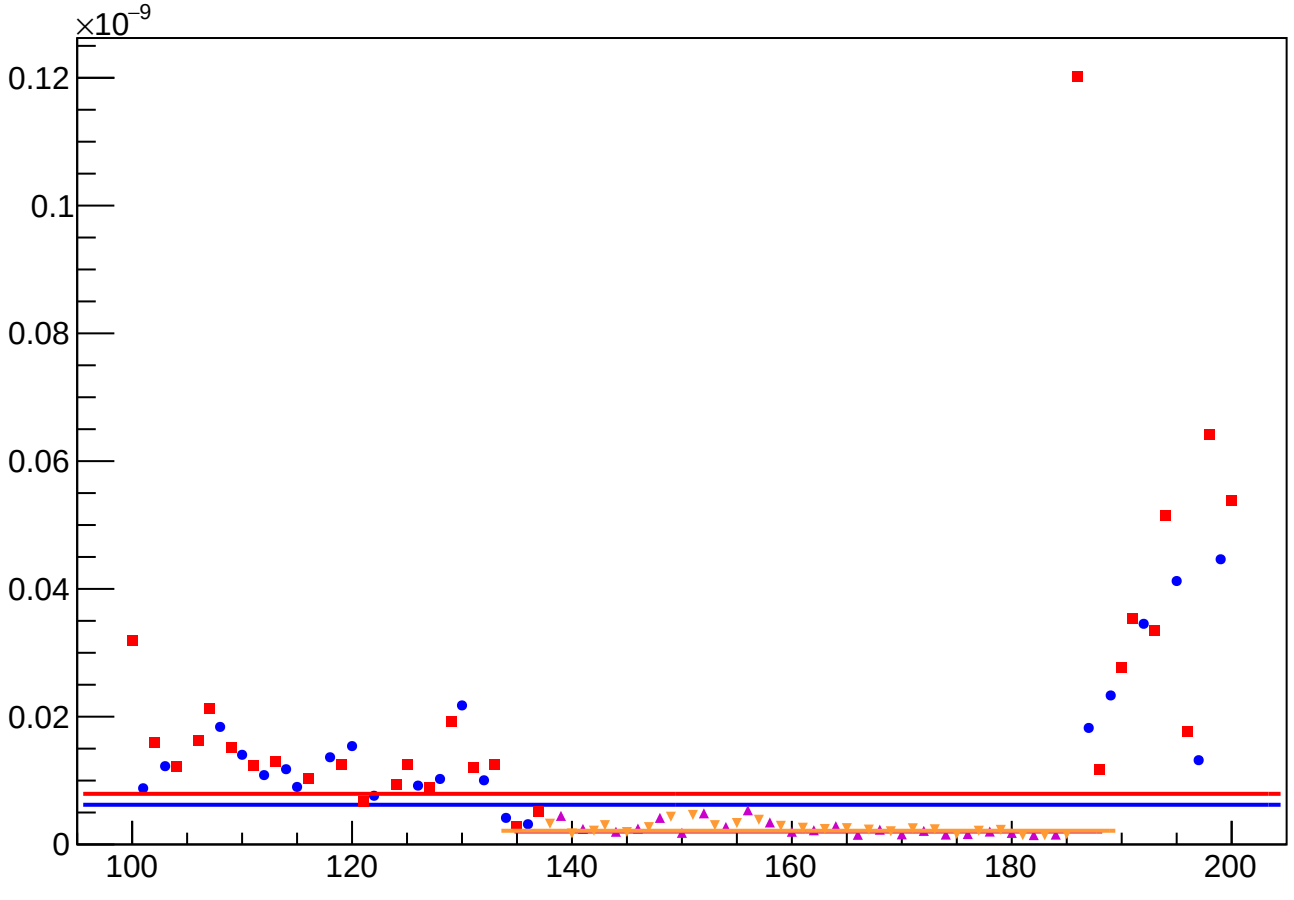
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/27

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/46

All: 0.000+/-0.000 χ^2/NDF: 119.7/97

- sign 0.000+/-0.000 χ^2/NDF: 50.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 5211737.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926597.8/27

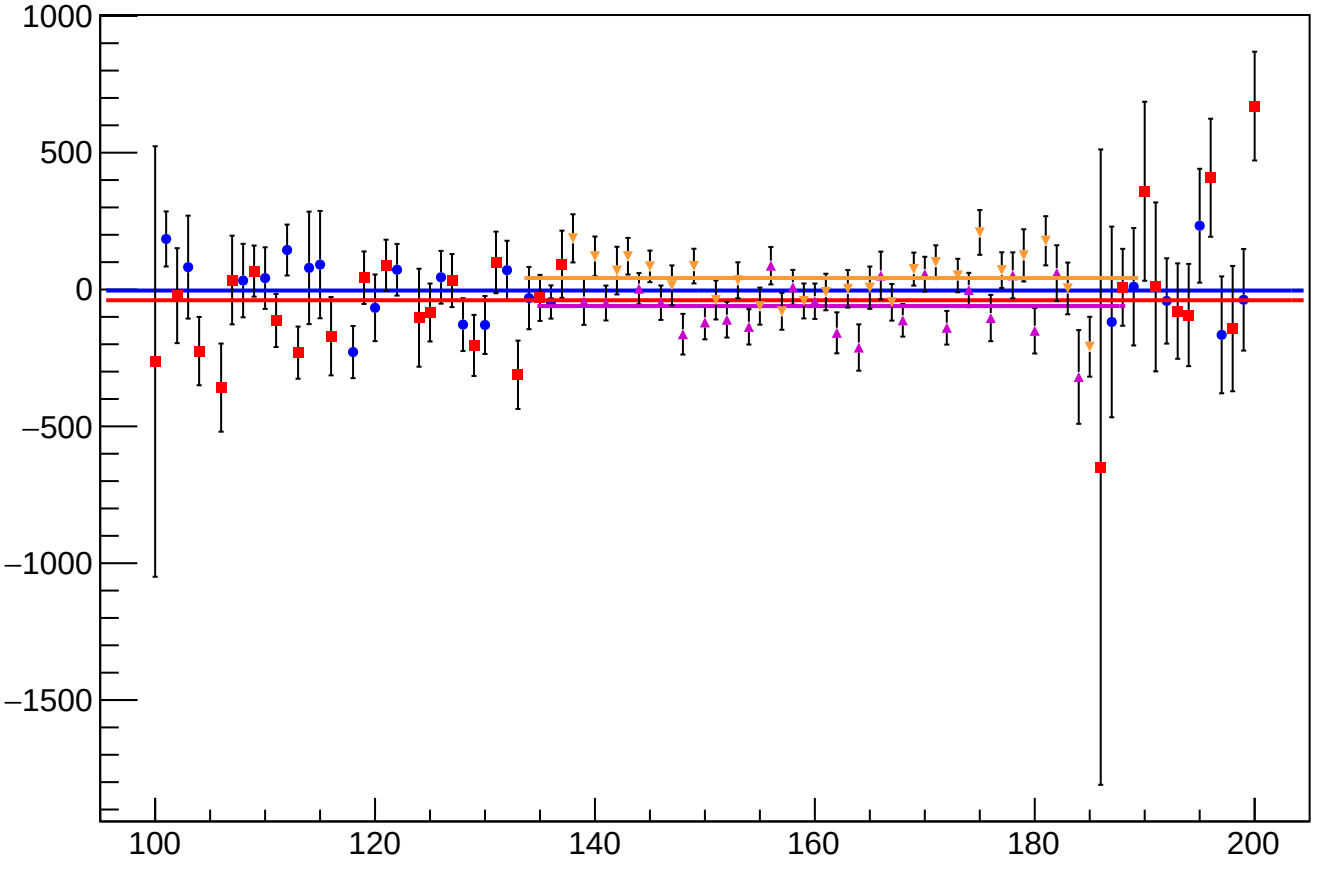
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10483362.1/46

All: 0.000+/-0.000 χ^2/NDF: 24731103.7/97

- sign 0.000+/-0.000 χ^2/NDF: 14216145.7/50

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.645+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -39.209+/-24.728 χ^2/NDF: 45.6/27

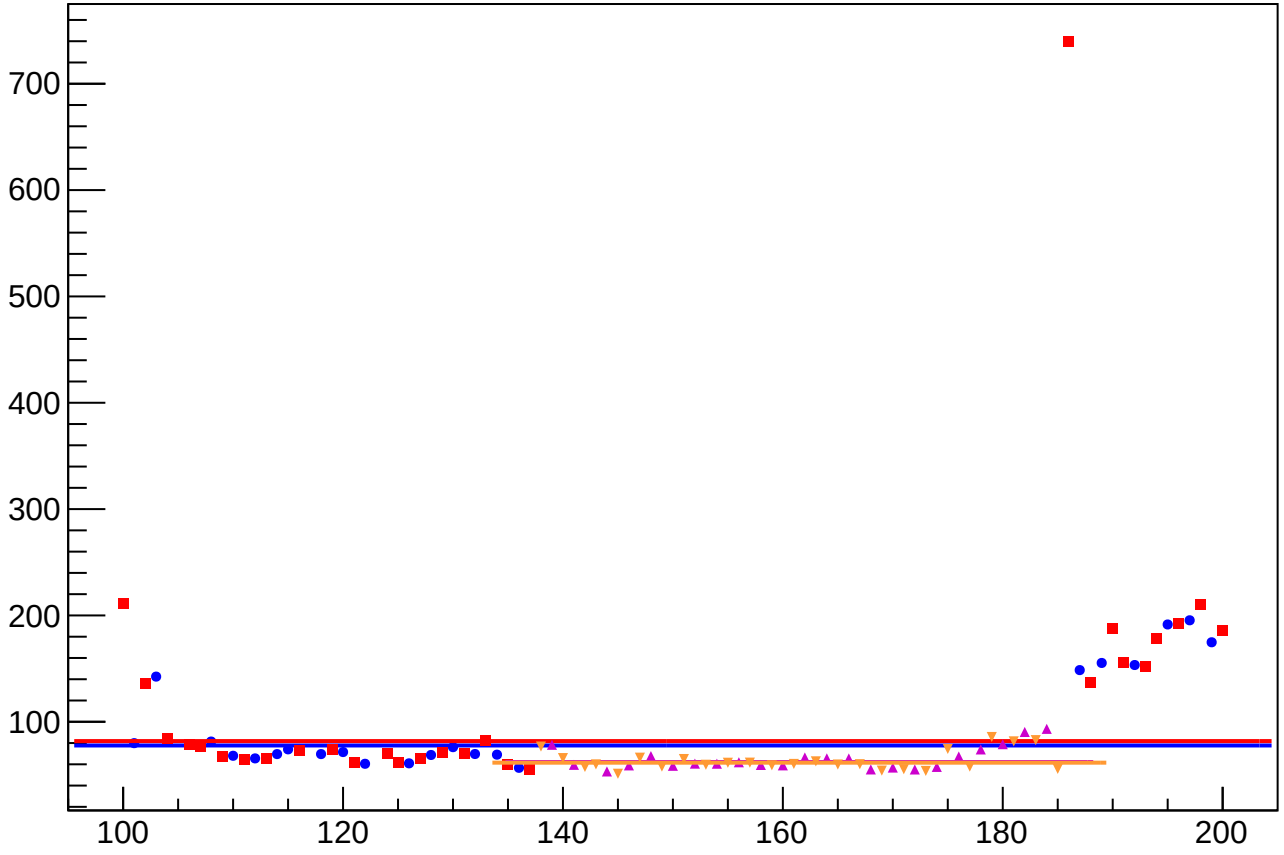
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.895+/-12.334 χ^2/NDF: 54.3/46

All: -10.909+/-8.829 χ^2/NDF: 156.2/97

- sign -54.841+/-12.645 χ^2/NDF: 78.3/50

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286540.9/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

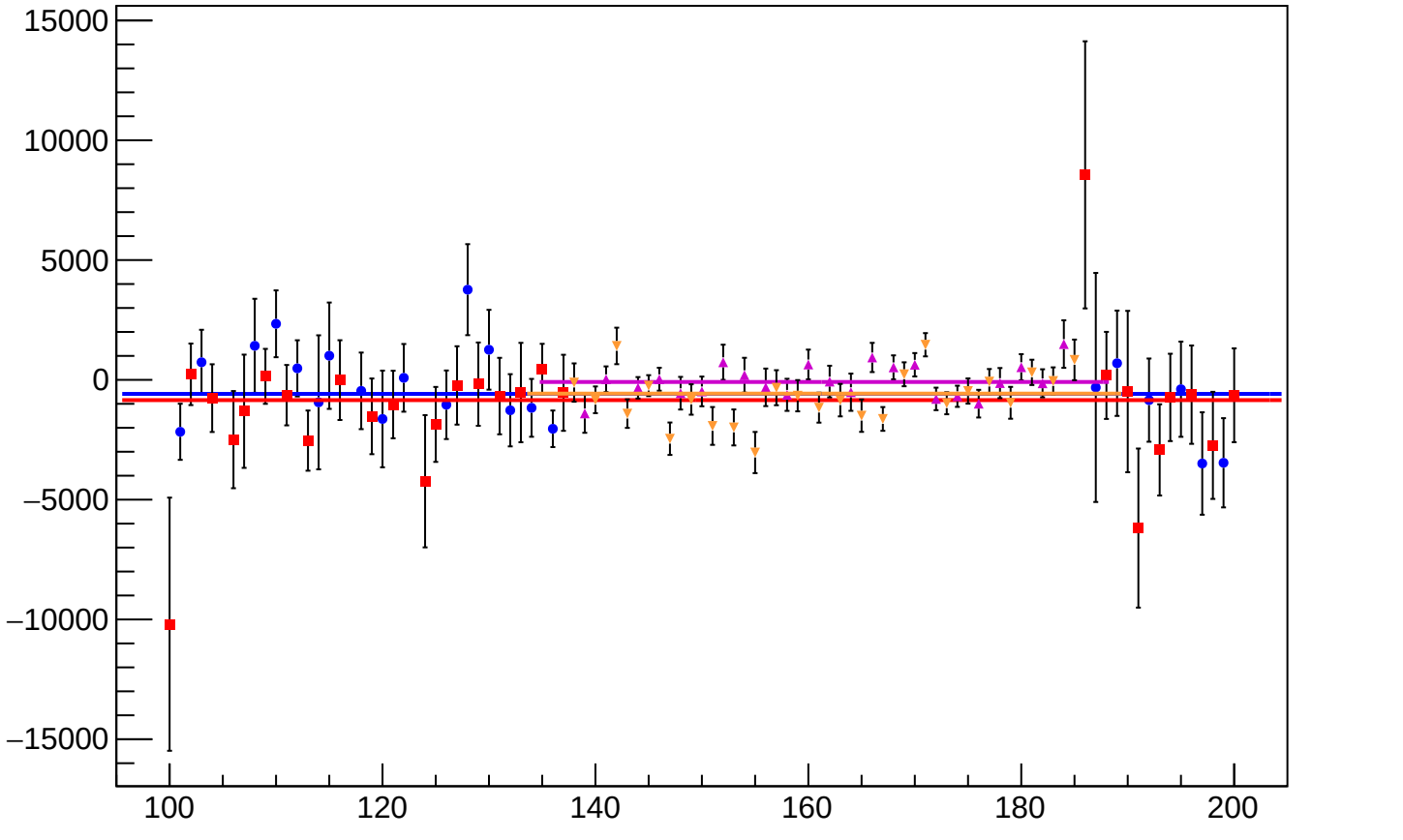
Right Out: 81.841+/-0.017 χ^2/NDF: 4776348.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.480+/-0.009 χ^2/NDF: 4557265.0/46

All: 66.365+/-0.006 χ^2/NDF: 10888634.9/97

- sign 67.295+/-0.009 χ^2/NDF: 6310270.4/50



Right In: -586.493+/-323.444 χ^2/NDF: 25.3/21

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

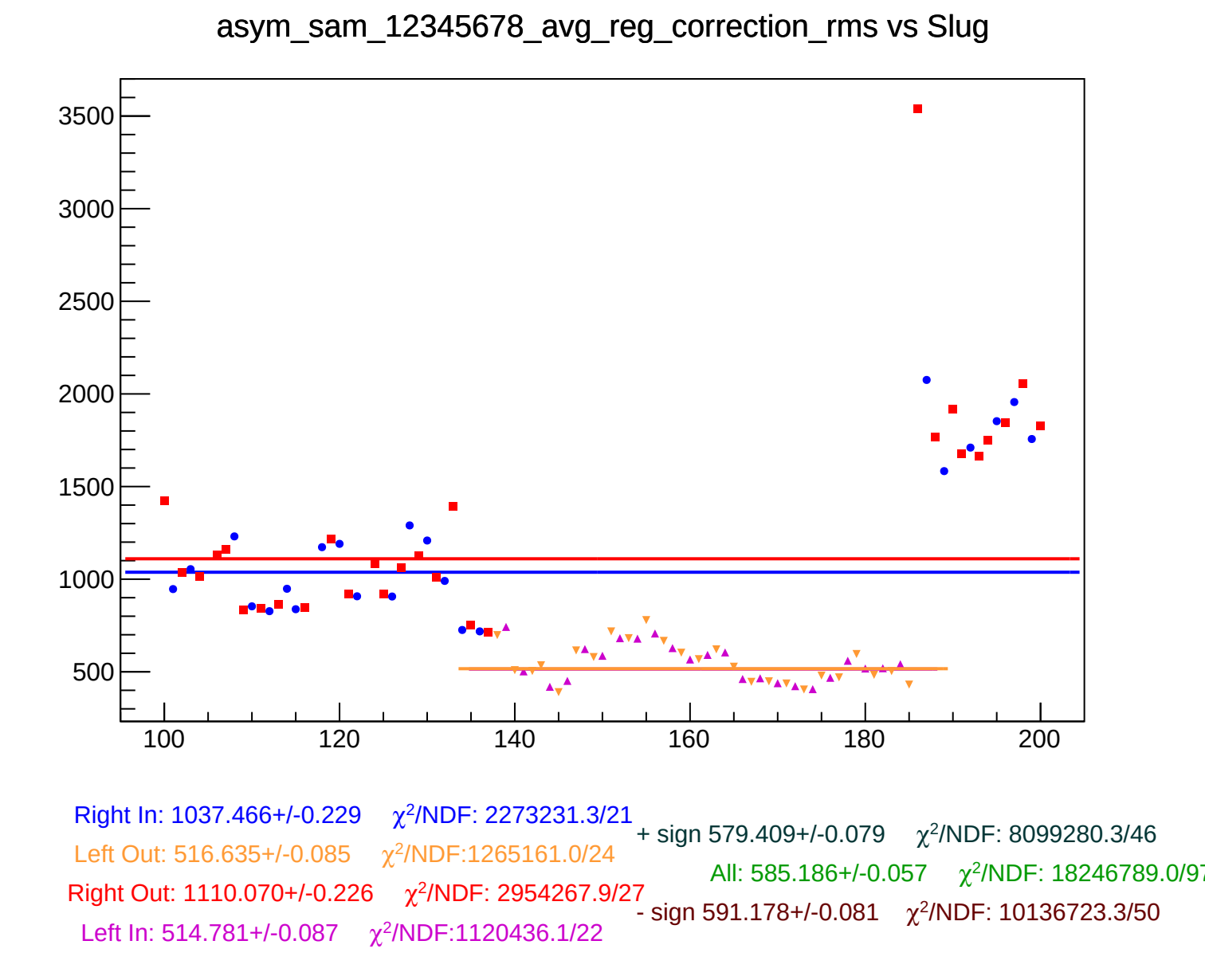
Right Out: -846.116+/-319.234 χ^2/NDF: 19.1/27

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

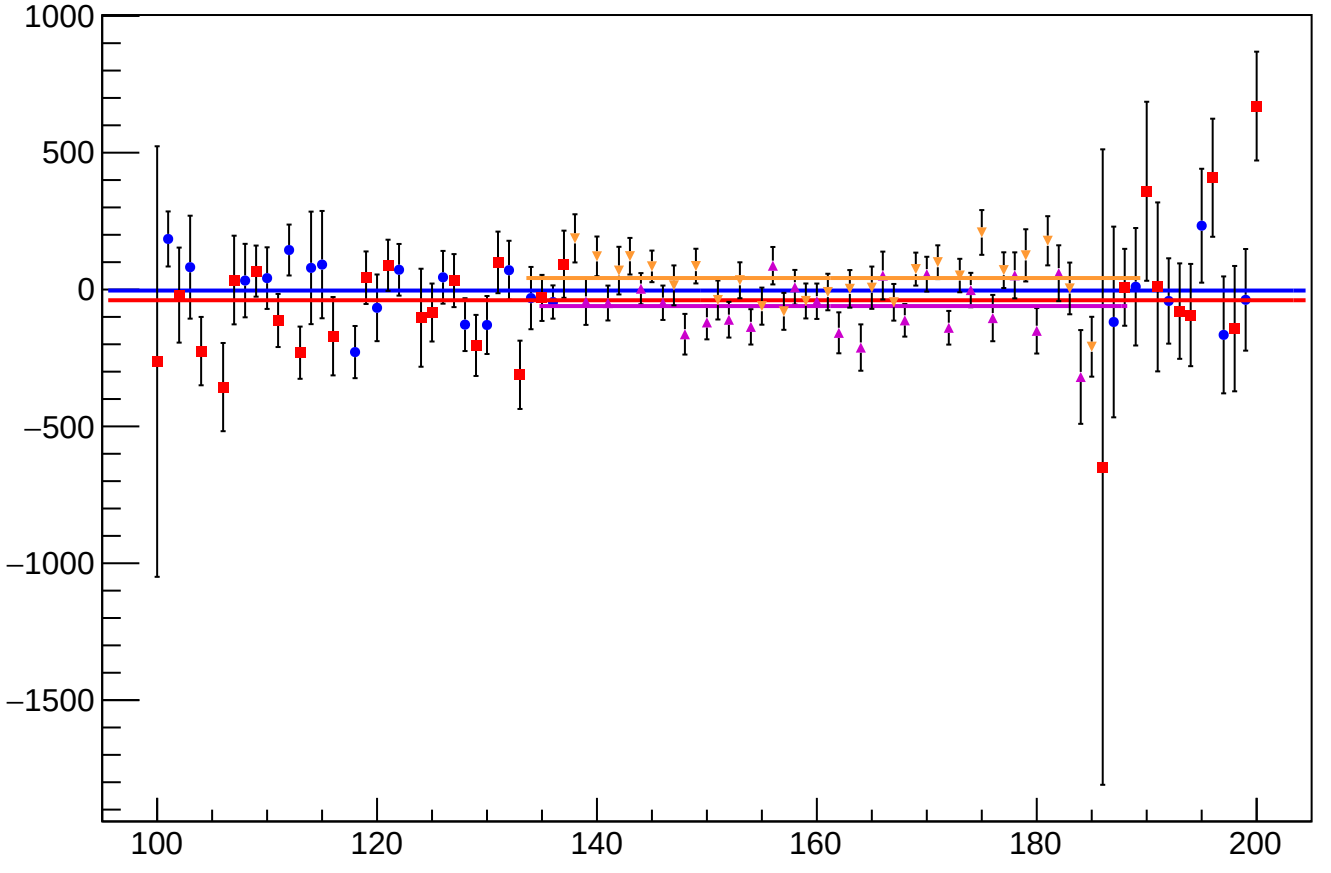
+ sign -576.225+/-112.289 χ^2/NDF: 94.1/46

All: -384.478+/-80.123 χ^2/NDF: 148.6/97

- sign -185.585+/-114.362 χ^2/NDF: 48.6/50


asym_sam_12345678_avg_reg_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1037.466+/-0.229 χ²/NDF: 2273231.3/21
Left Out: 516.635+/-0.085 χ²/NDF:1265161.0/24
Right Out: 1110.070+/-0.226 χ²/NDF: 2954267.9/27
Left In: 514.781+/-0.087 χ²/NDF:1120436.1/22
+ sign 579.409+/-0.079 χ²/NDF: 8099280.3/46
All: 585.186+/-0.057 χ²/NDF: 18246789.0/97
- sign 591.178+/-0.081 χ²/NDF: 10136723.3/50

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -39.100+/-24.729 χ^2/NDF: 45.5/27

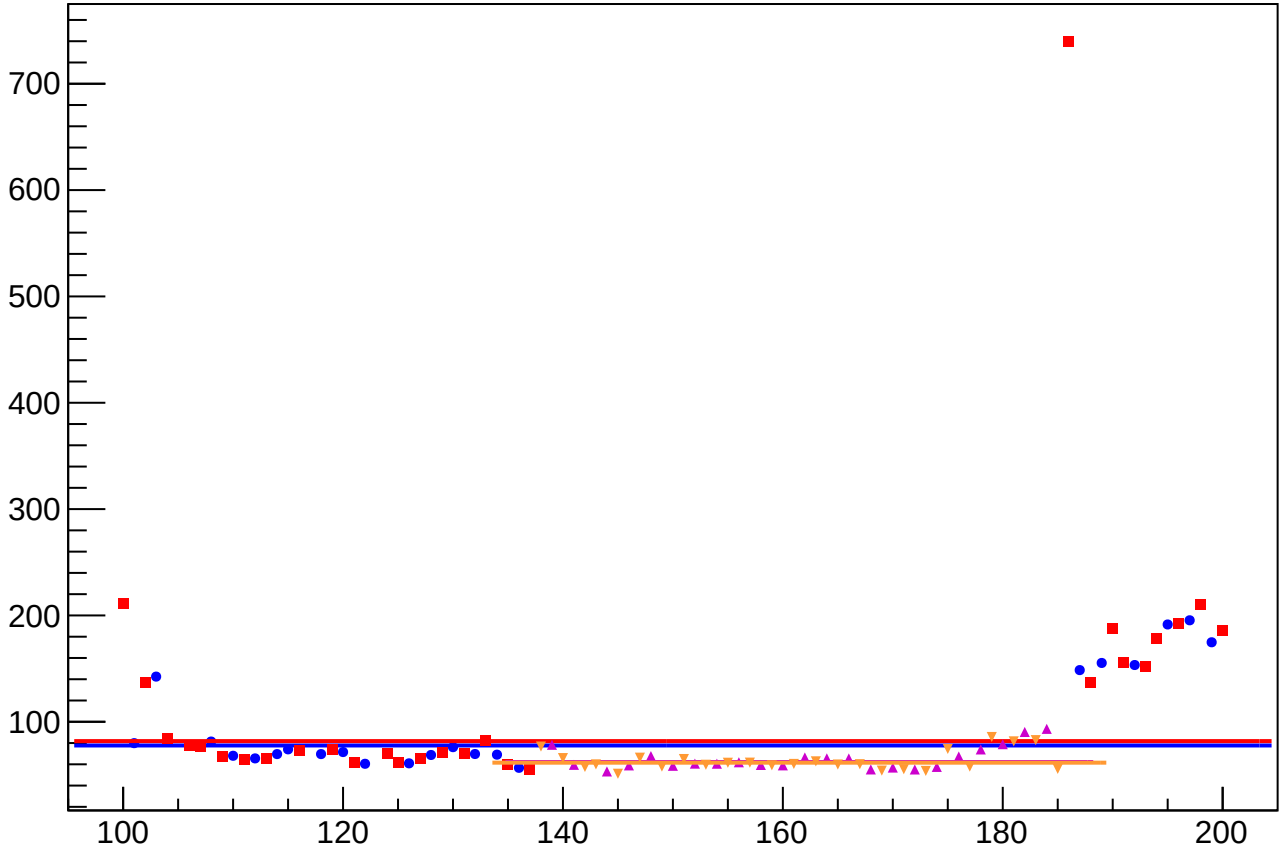
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.897+/-12.334 χ^2/NDF: 54.3/46

All: -10.893+/-8.829 χ^2/NDF: 156.1/97

- sign -54.813+/-12.645 χ^2/NDF: 78.3/50

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

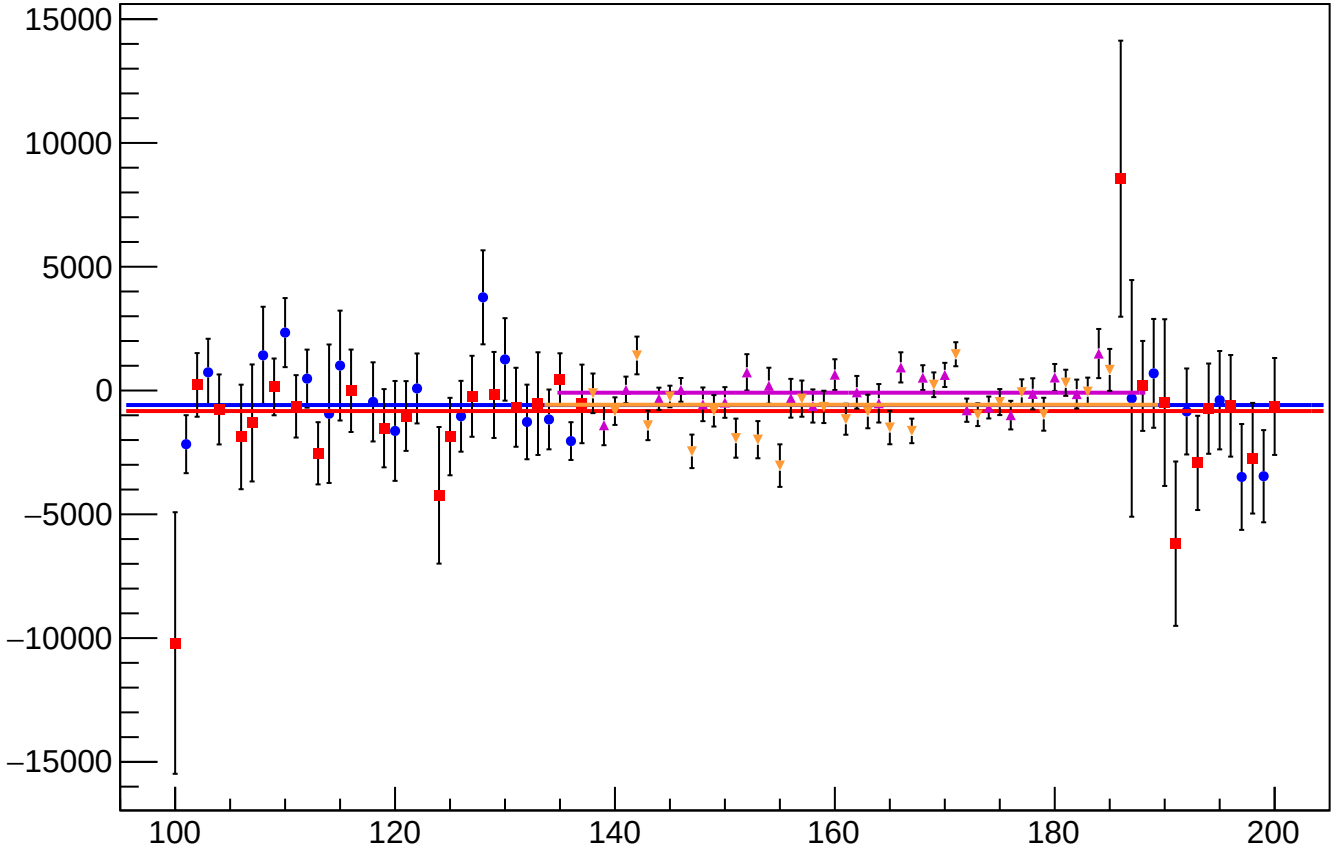
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.480+/-0.009 χ^2/NDF: 4557268.1/46

All: 66.363+/-0.006 χ^2/NDF: 10887661.4/97

- sign 67.290+/-0.009 χ^2/NDF: 6309397.7/50

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

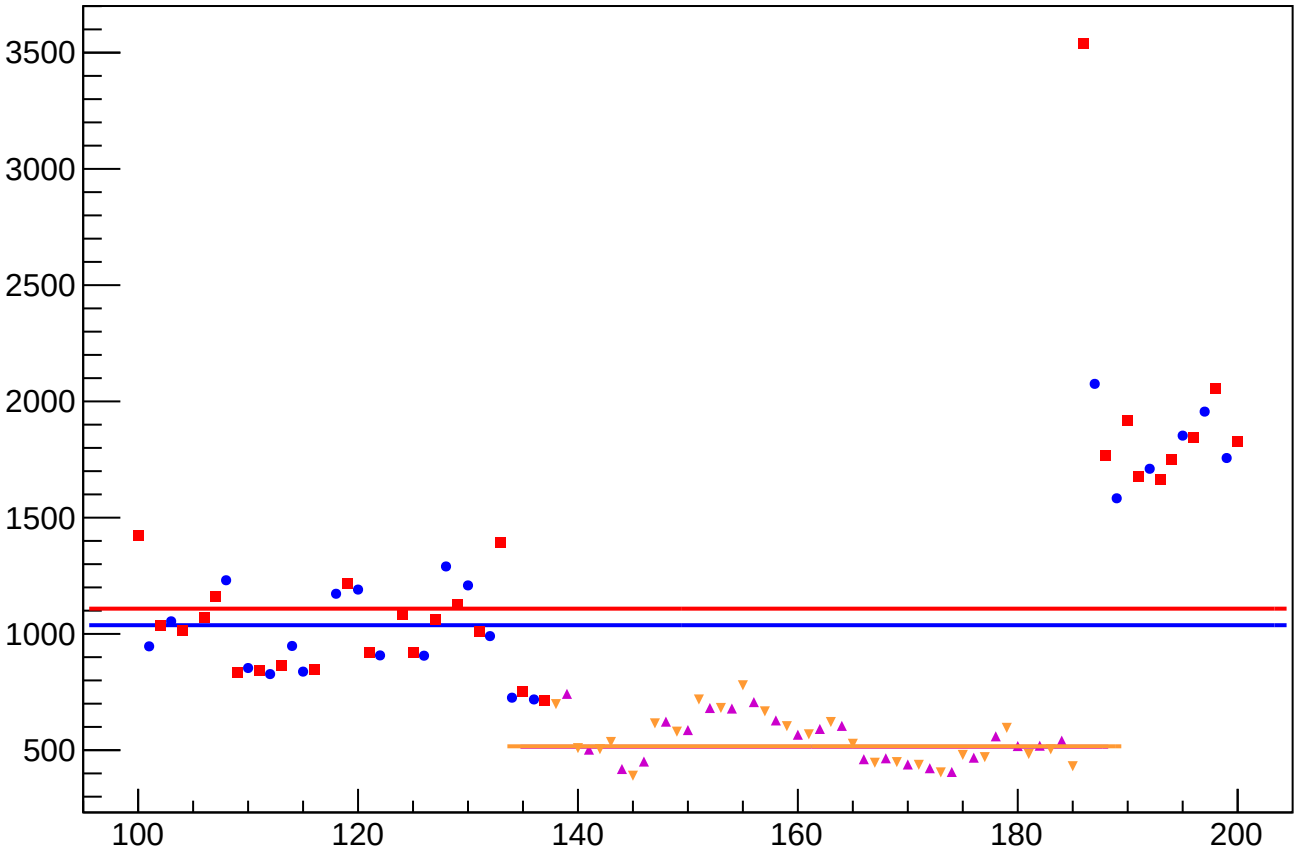
Right Out: -829.157+/-319.556 χ^2/NDF: 18.6/27

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -576.216+/-112.289 χ^2/NDF: 94.1/46

All: -383.349+/-80.128 χ^2/NDF: 148.1/97

- sign -183.241+/-114.377 χ^2/NDF: 47.9/50



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1108.646+/-0.226 χ^2/NDF: 2954585.6/27

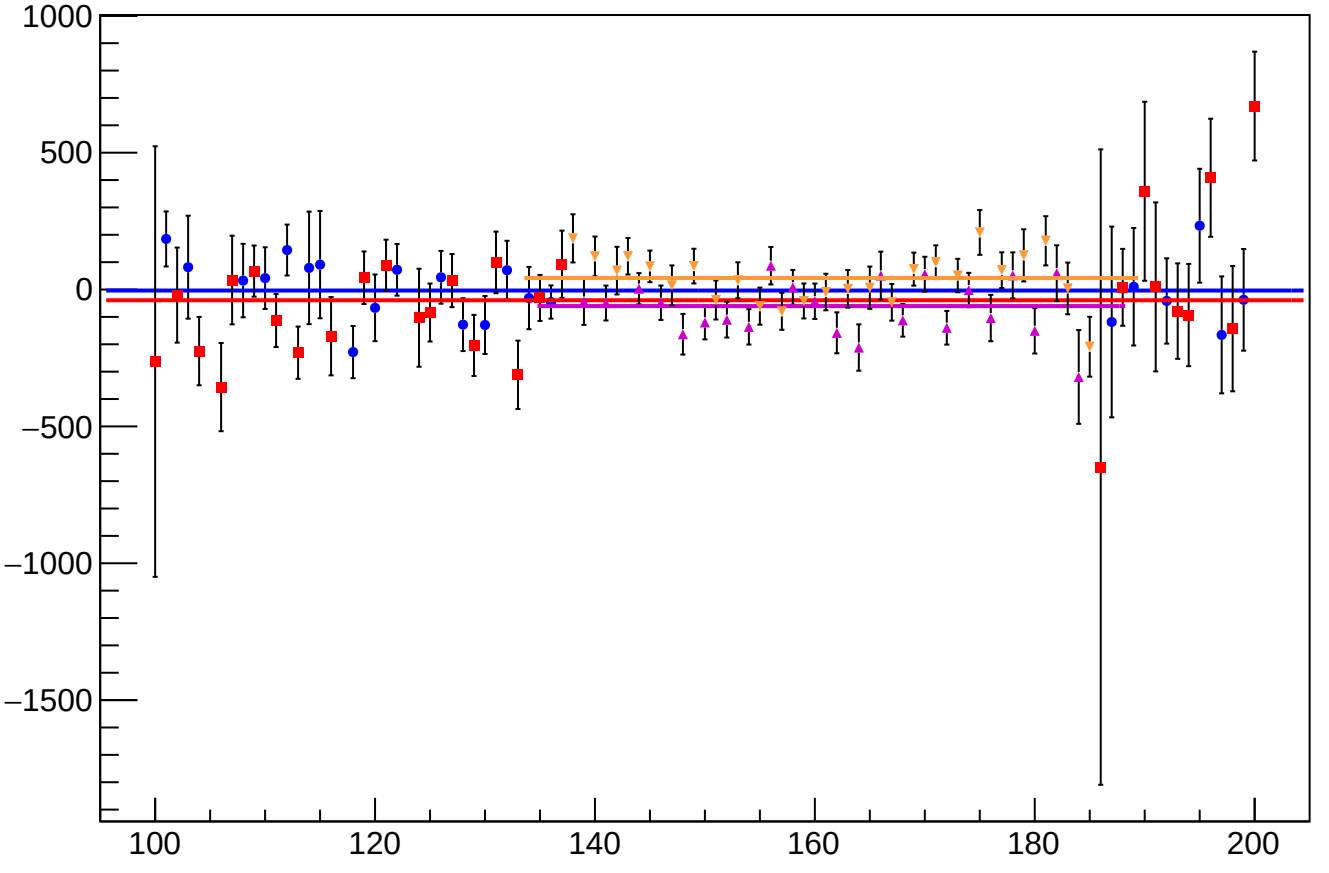
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 579.408+/-0.079 χ^2/NDF: 8099330.7/46

All: 585.029+/-0.057 χ^2/NDF: 18207004.2/97

- sign 590.862+/-0.081 χ^2/NDF: 10097461.5/50

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -39.100+/-24.729 χ^2/NDF: 45.5/27

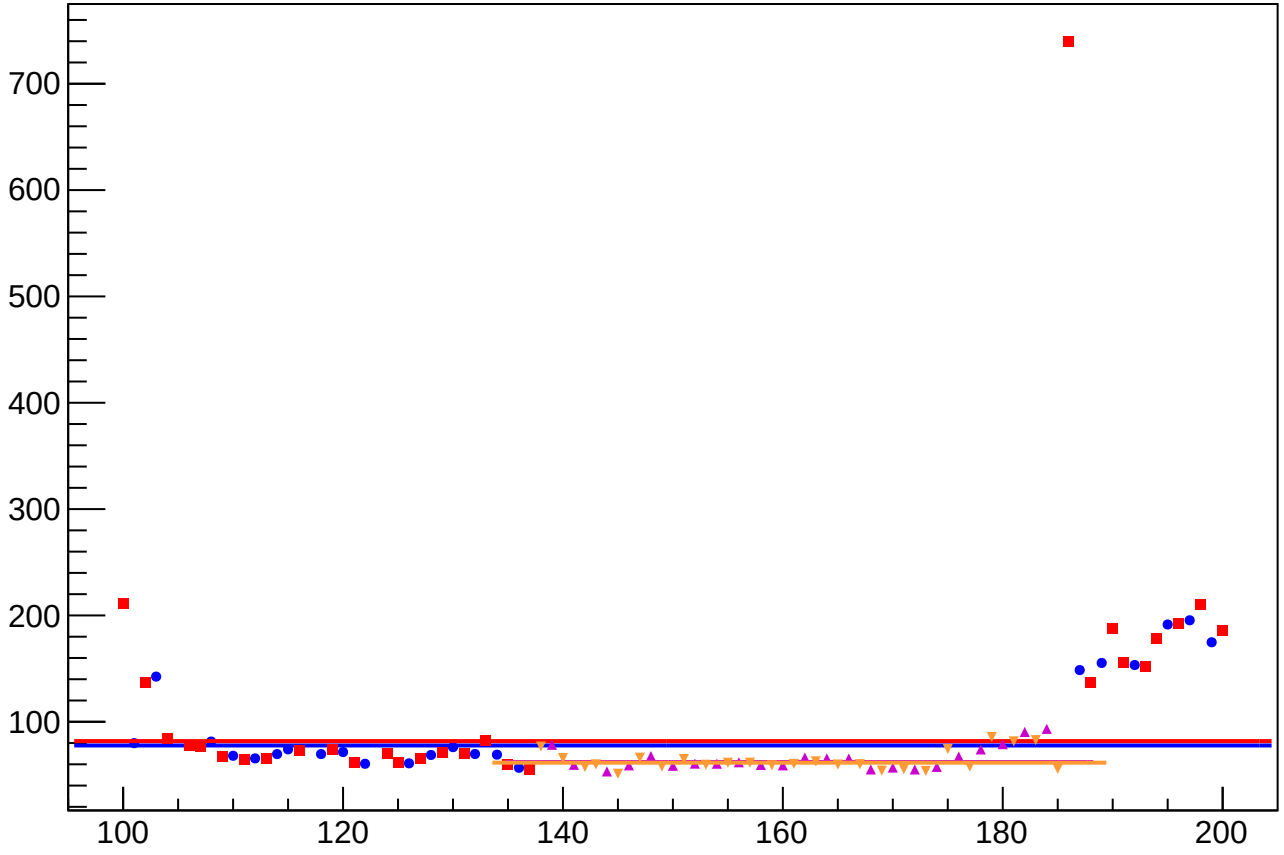
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.897+/-12.334 χ^2/NDF: 54.3/46

All: -10.893+/-8.829 χ^2/NDF: 156.1/97

- sign -54.813+/-12.645 χ^2/NDF: 78.3/50

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

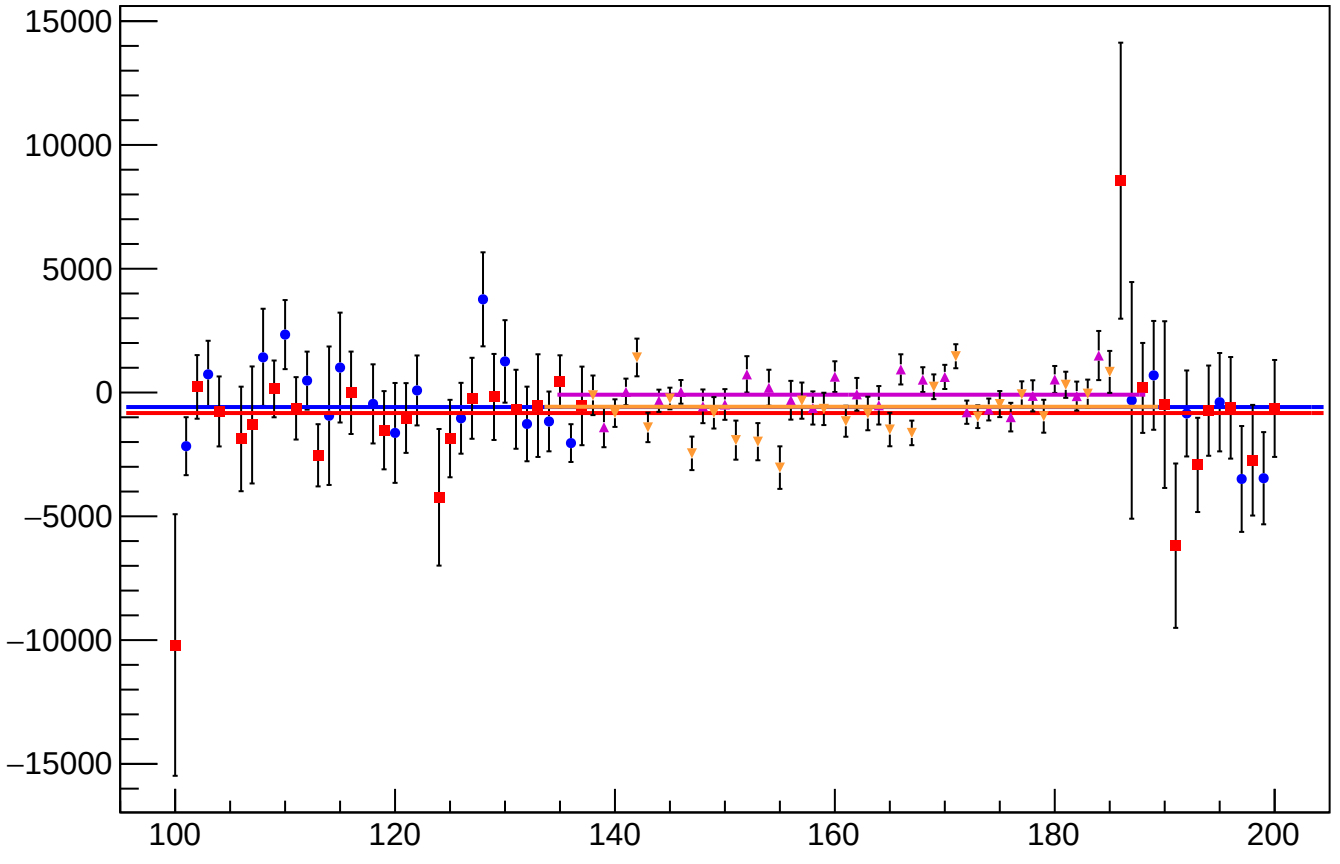
Right Out: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.480+/-0.009 χ^2/NDF: 4557268.1/46

All: 66.363+/-0.006 χ^2/NDF: 10887661.4/97

- sign 67.290+/-0.009 χ^2/NDF: 6309397.7/50



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

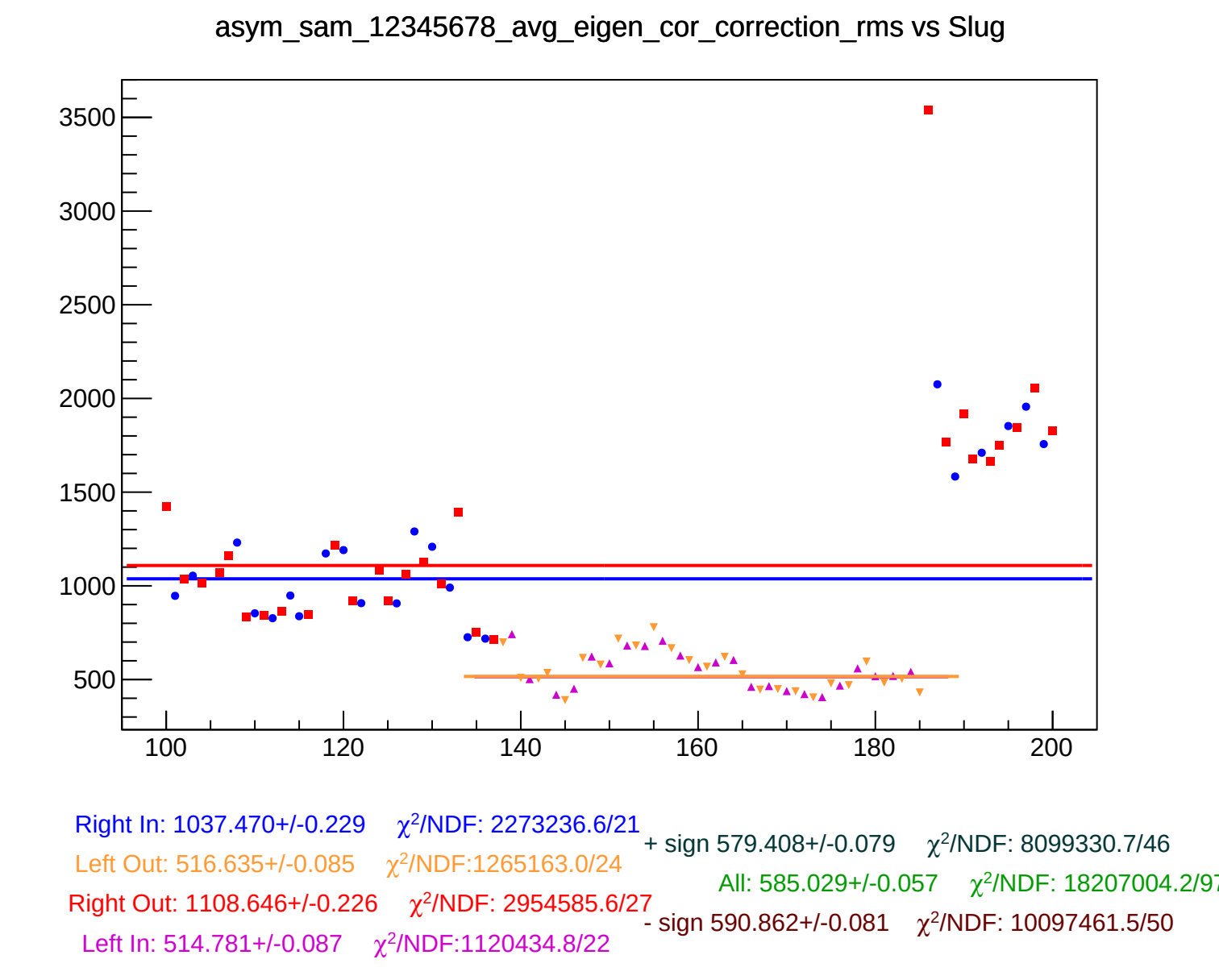
Right Out: -829.157+/-319.556 χ^2/NDF: 18.6/27

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

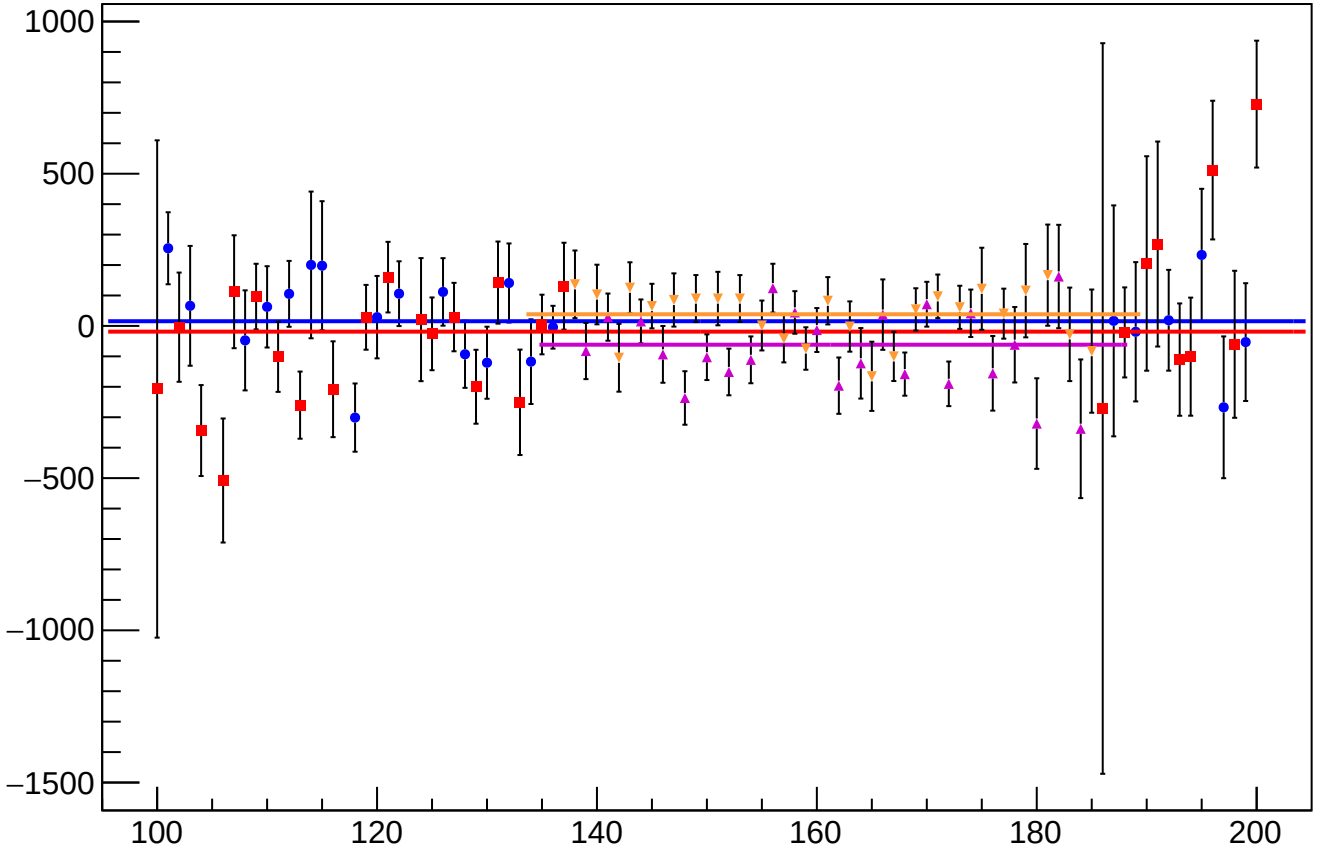
\+ sign -576.216+/-112.289 χ^2/NDF: 94.1/46

All: -383.349+/-80.128 χ^2/NDF: 148.1/97

\- sign -183.241+/-114.377 χ^2/NDF: 47.9/50


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1037.470+/-0.229 χ²/NDF: 2273236.6/21
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1108.646+/-0.226 χ²/NDF: 2954585.6/27
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 579.408+/-0.079 χ²/NDF: 8099330.7/46
All: 585.029+/-0.057 χ²/NDF: 18207004.2/97
- sign 590.862+/-0.081 χ²/NDF: 10097461.5/50

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -18.741+/-28.407 χ^2/NDF: 48.3/27

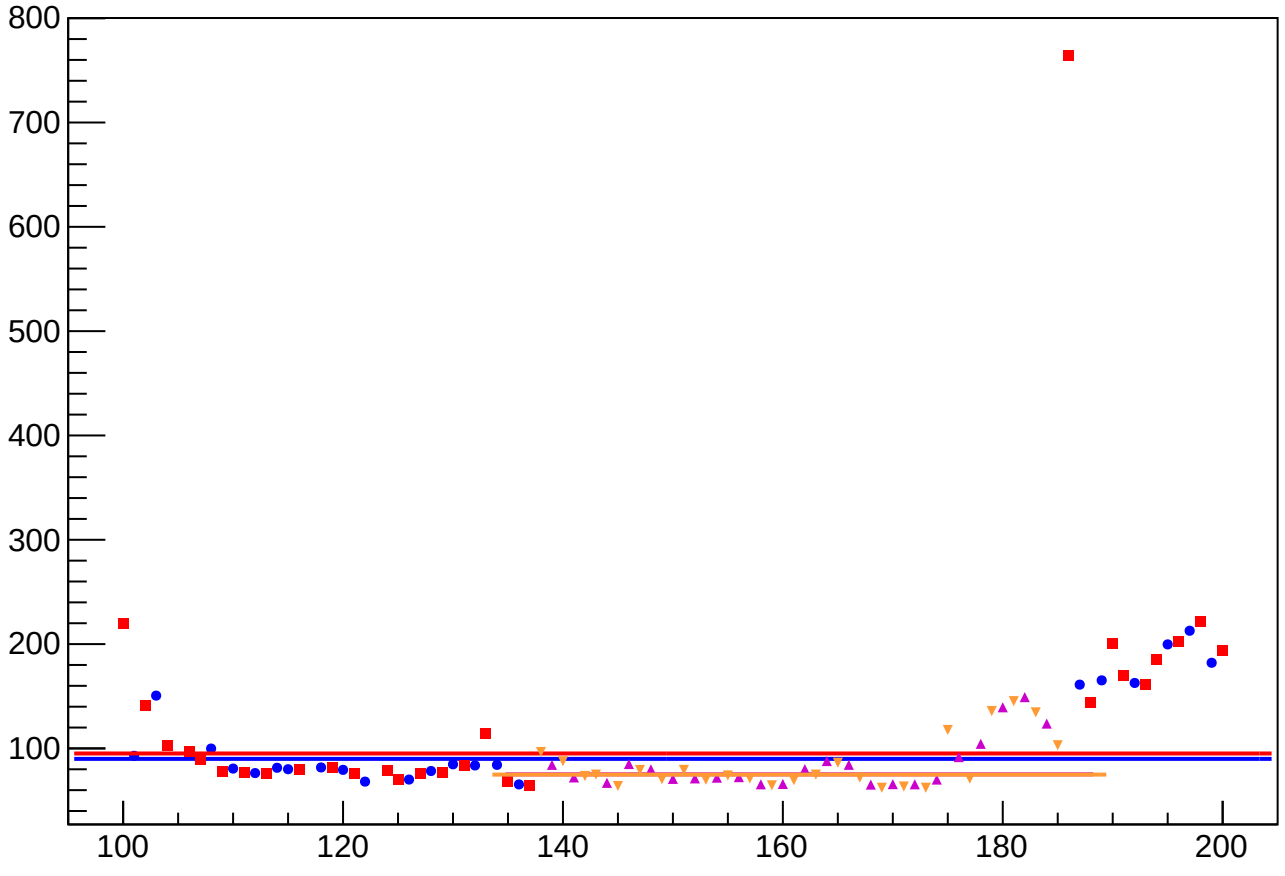
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.001+/-15.045 χ^2/NDF: 42.0/46

All: -7.877+/-10.734 χ^2/NDF: 143.0/97

- sign -49.223+/-15.320 χ^2/NDF: 86.6/50

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 89.980+/-0.020 χ^2/NDF: 2887499.2/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 95.152+/-0.020 χ^2/NDF: 4189622.5/27

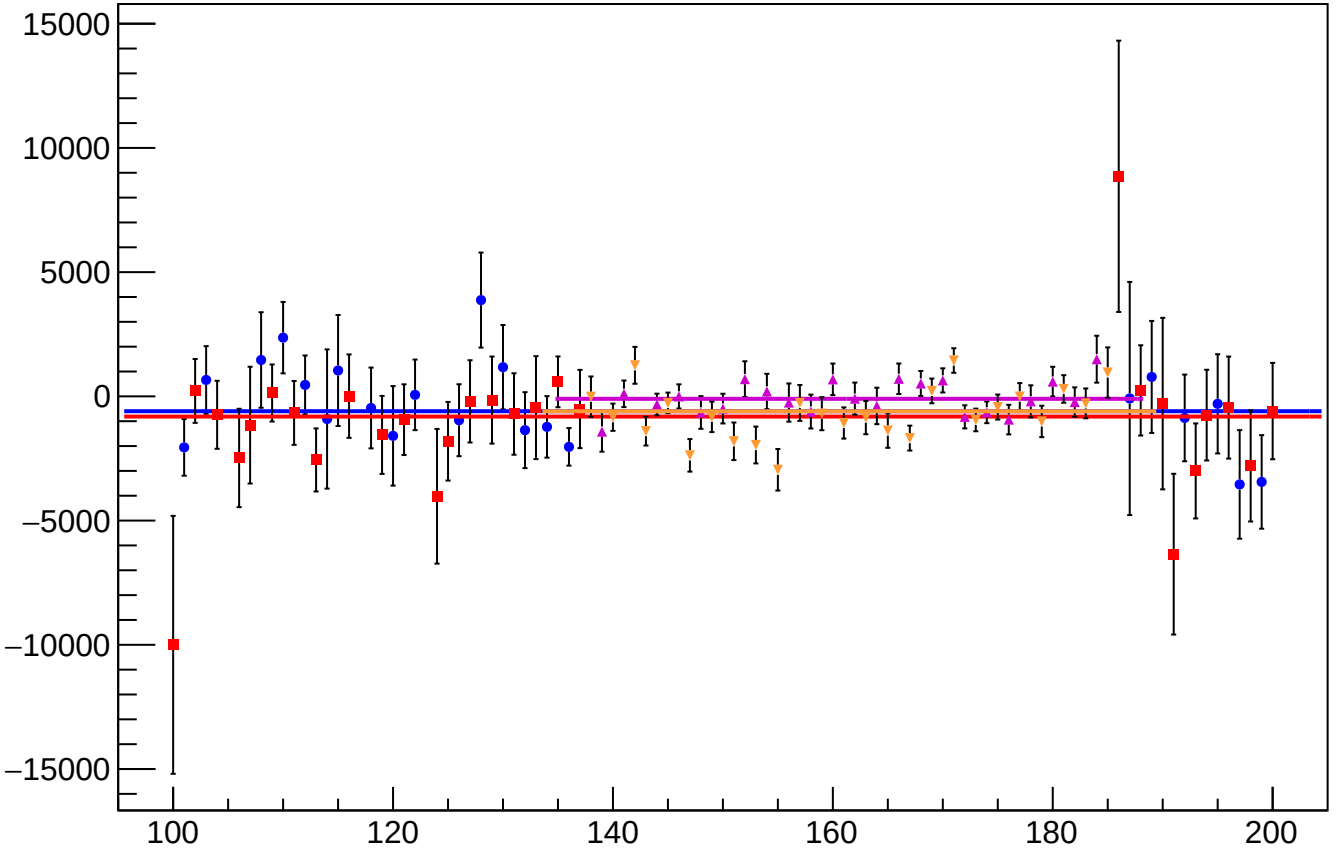
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 79.049+/-0.011 χ^2/NDF: 4949482.7/46

All: 79.993+/-0.008 χ^2/NDF: 11170472.7/97

- sign 80.971+/-0.011 χ^2/NDF: 6204958.5/50

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -597.633+/-324.909 χ^2/NDF: 25.0/21

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -812.773+/-318.833 χ^2/NDF: 20.2/27

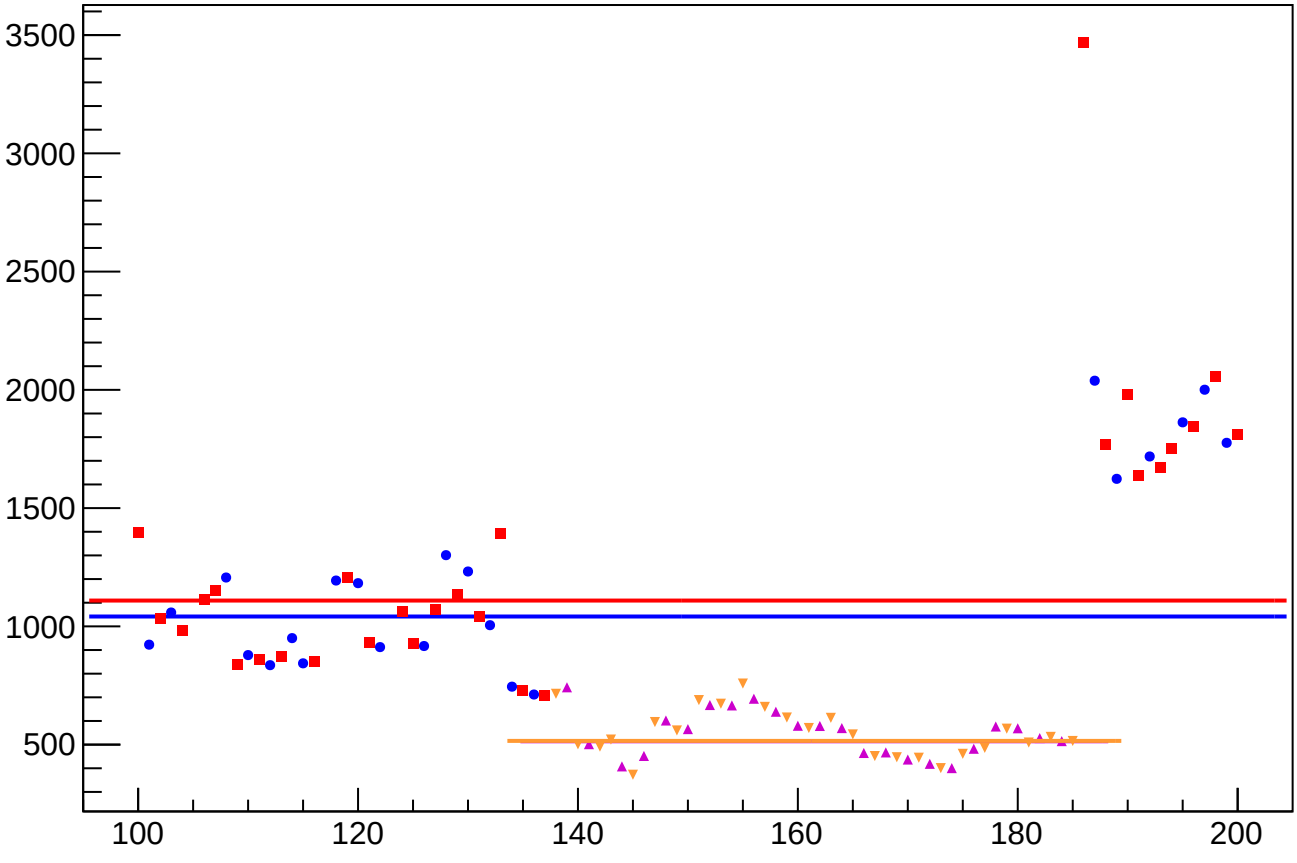
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -598.685+/-112.009 χ^2/NDF: 90.0/46

All: -398.614+/-79.964 χ^2/NDF: 144.7/97

- sign -190.655+/-114.196 χ^2/NDF: 48.2/50

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1041.696+/-0.230 χ^2/NDF: 2310409.4/21

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1109.129+/-0.225 χ^2/NDF: 2969696.6/27

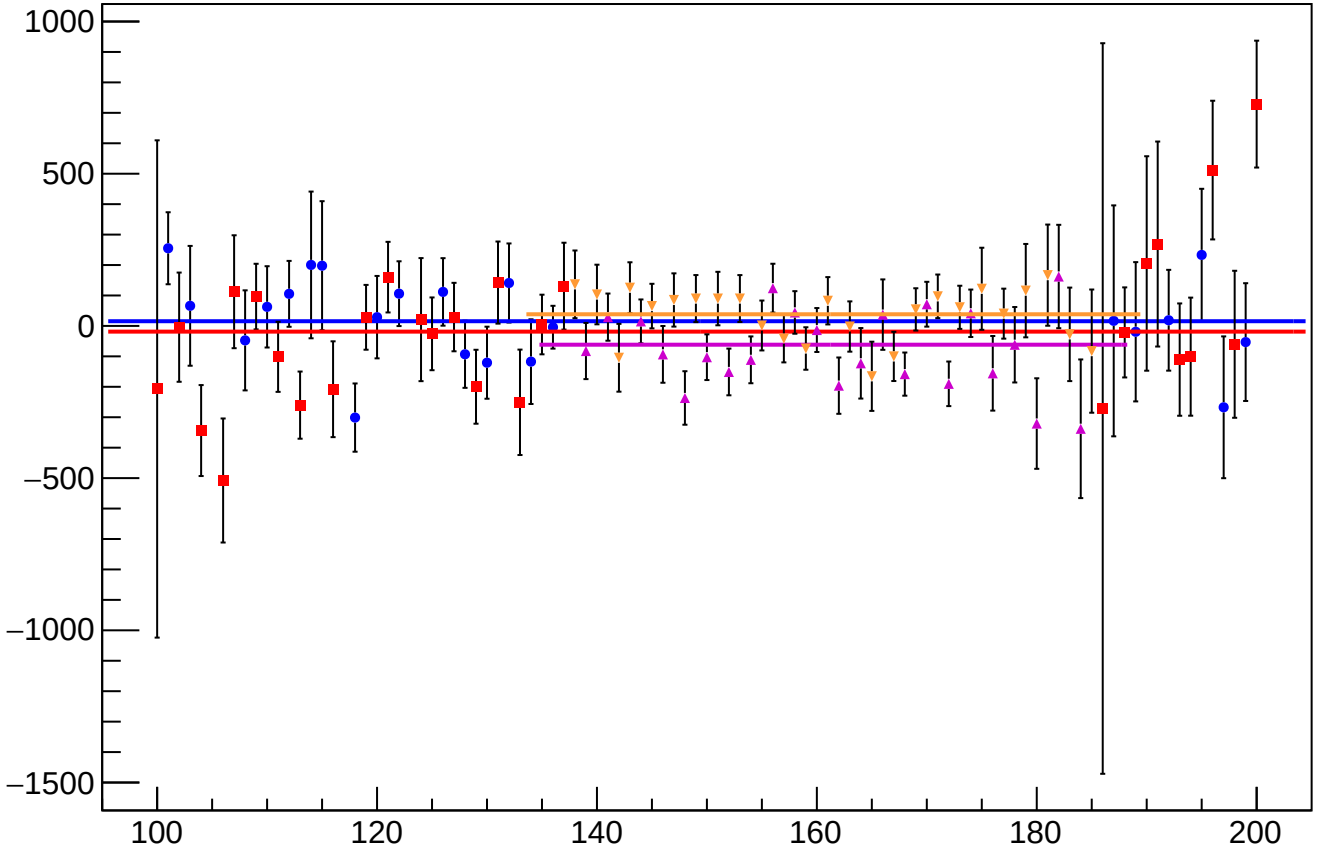
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 578.267+/-0.079 χ^2/NDF: 8160549.1/46

All: 584.227+/-0.057 χ^2/NDF: 18331236.4/97

- sign 590.422+/-0.081 χ^2/NDF: 10159137.3/50

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -18.739+/-28.407 χ^2/NDF: 48.3/27

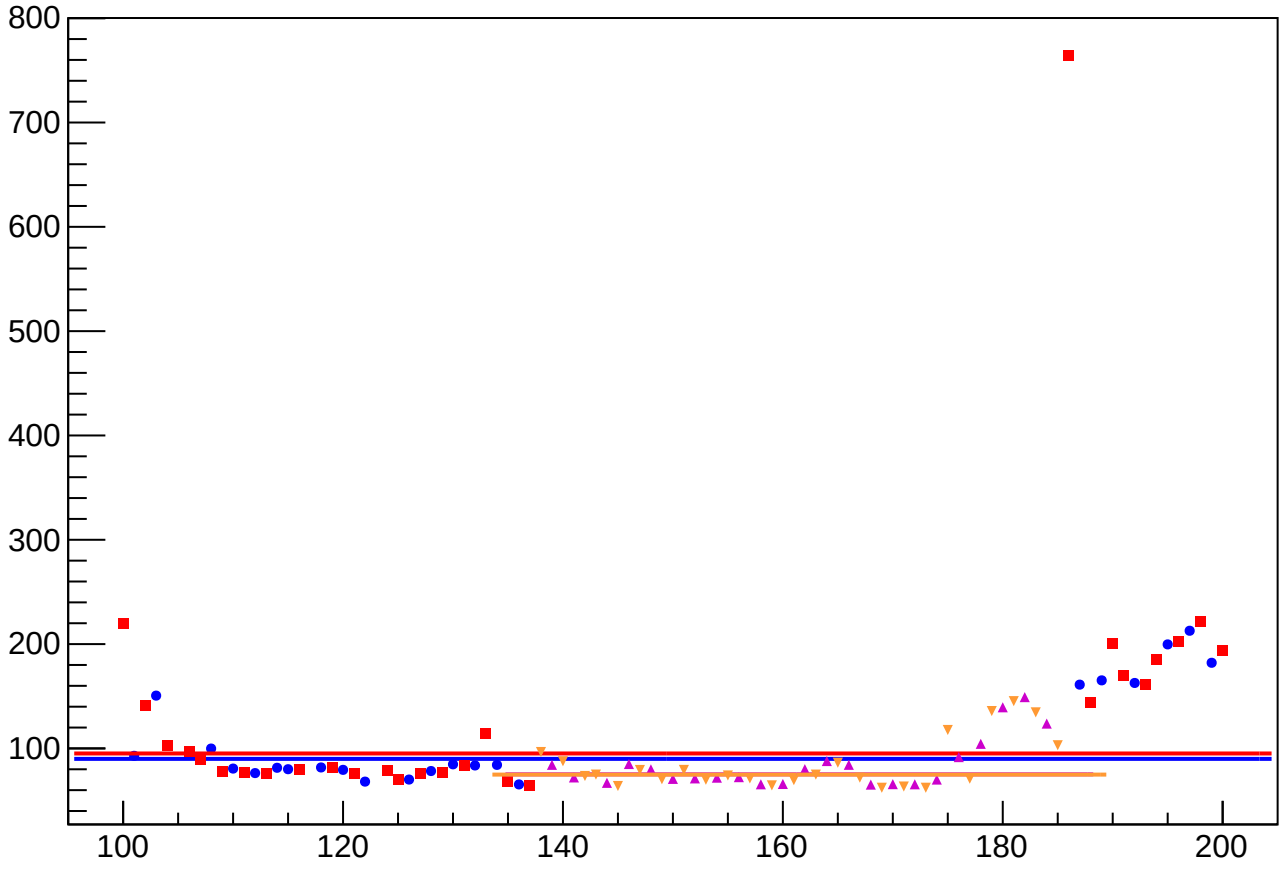
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.001+/-15.045 χ^2/NDF: 42.0/46

All: -7.877+/-10.734 χ^2/NDF: 143.0/97

- sign -49.222+/-15.320 χ^2/NDF: 86.6/50

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 89.980+/-0.020 χ^2/NDF: 2887504.7/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

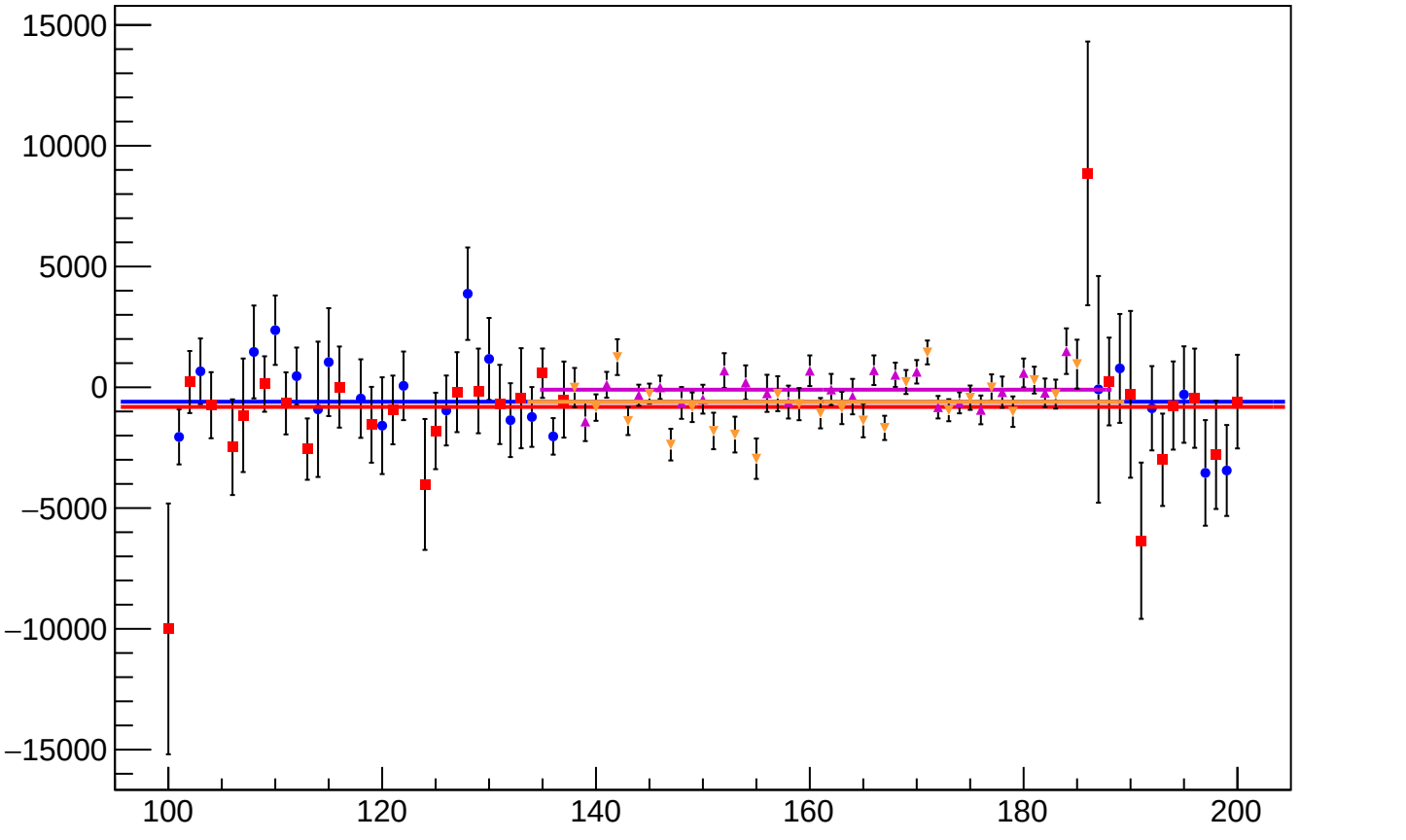
Right Out: 95.152+/-0.020 χ^2/NDF: 4189645.4/27

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 79.049+/-0.011 χ^2/NDF: 4949461.5/46

All: 79.993+/-0.008 χ^2/NDF: 11170427.7/97

- sign 80.971+/-0.011 χ^2/NDF: 6204934.2/50



Right In: -597.630+/-324.908 χ^2/NDF: 25.0/21

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

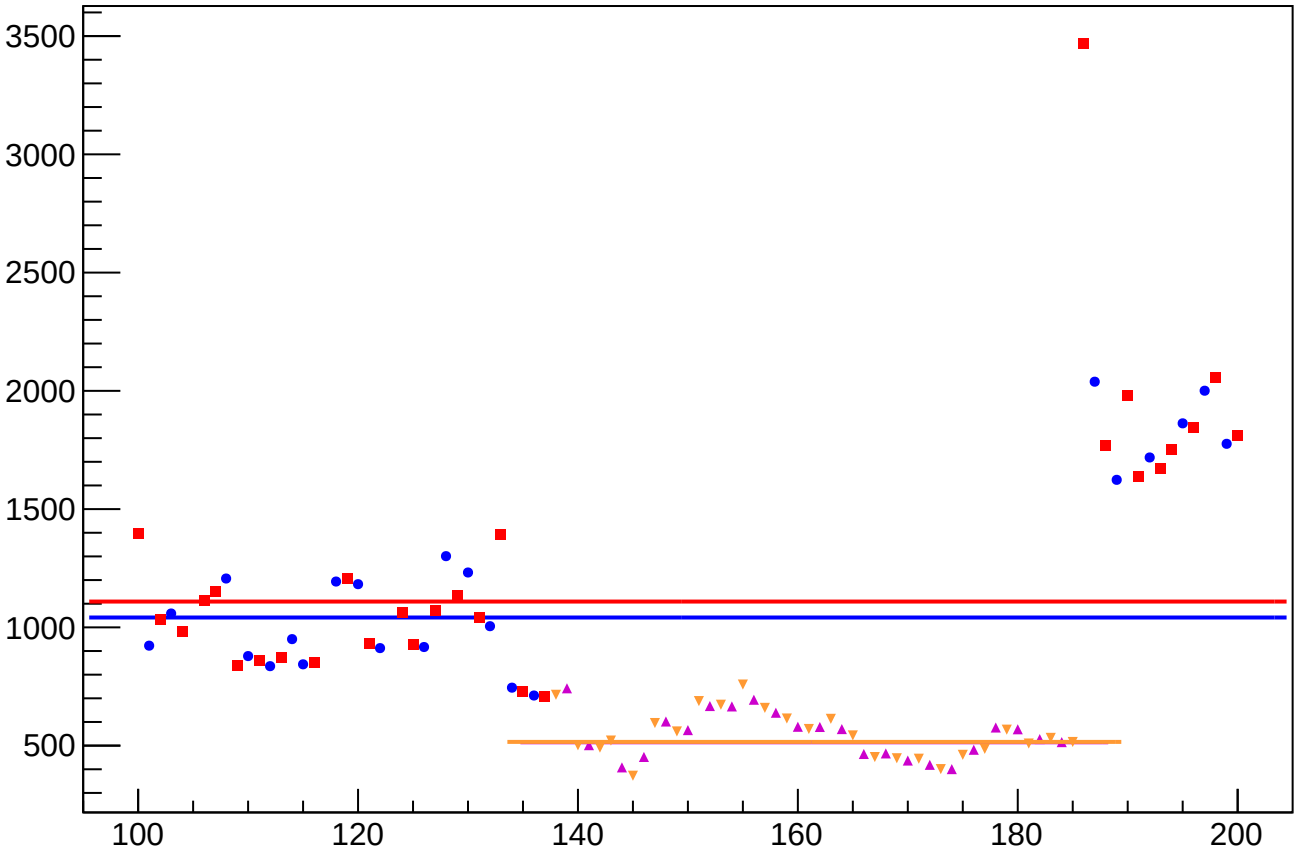
Right Out: -812.771+/-318.832 χ^2/NDF: 20.2/27

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -598.683+/-112.009 χ^2/NDF: 90.0/46

All: -398.613+/-79.964 χ^2/NDF: 144.7/97

- sign -190.655+/-114.196 χ^2/NDF: 48.2/50



Right In: 1041.693+/-0.230 χ^2/NDF: 2310414.1/21

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1109.126+/-0.225 χ^2/NDF: 2969704.4/27

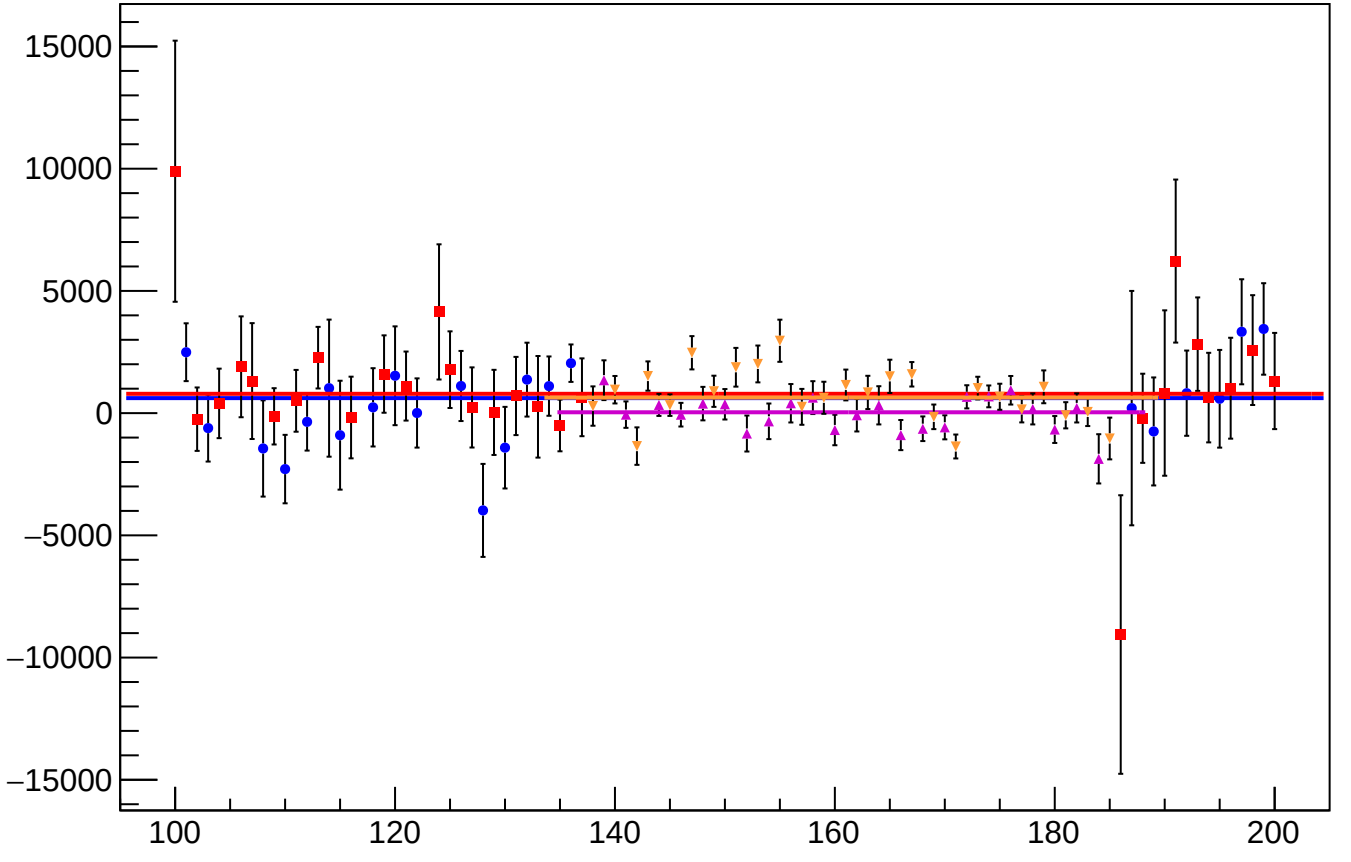
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 578.266+/-0.079 χ^2/NDF: 8160552.1/46

All: 584.226+/-0.057 χ^2/NDF: 18331236.9/97

- sign 590.421+/-0.081 χ^2/NDF: 10159134.7/50

asym_sam_12345678_avg_mean vs Slug



Right In: 614.240+/-324.860 χ^2/NDF: 25.9/21

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 790.587+/-320.615 χ^2/NDF: 18.2/27

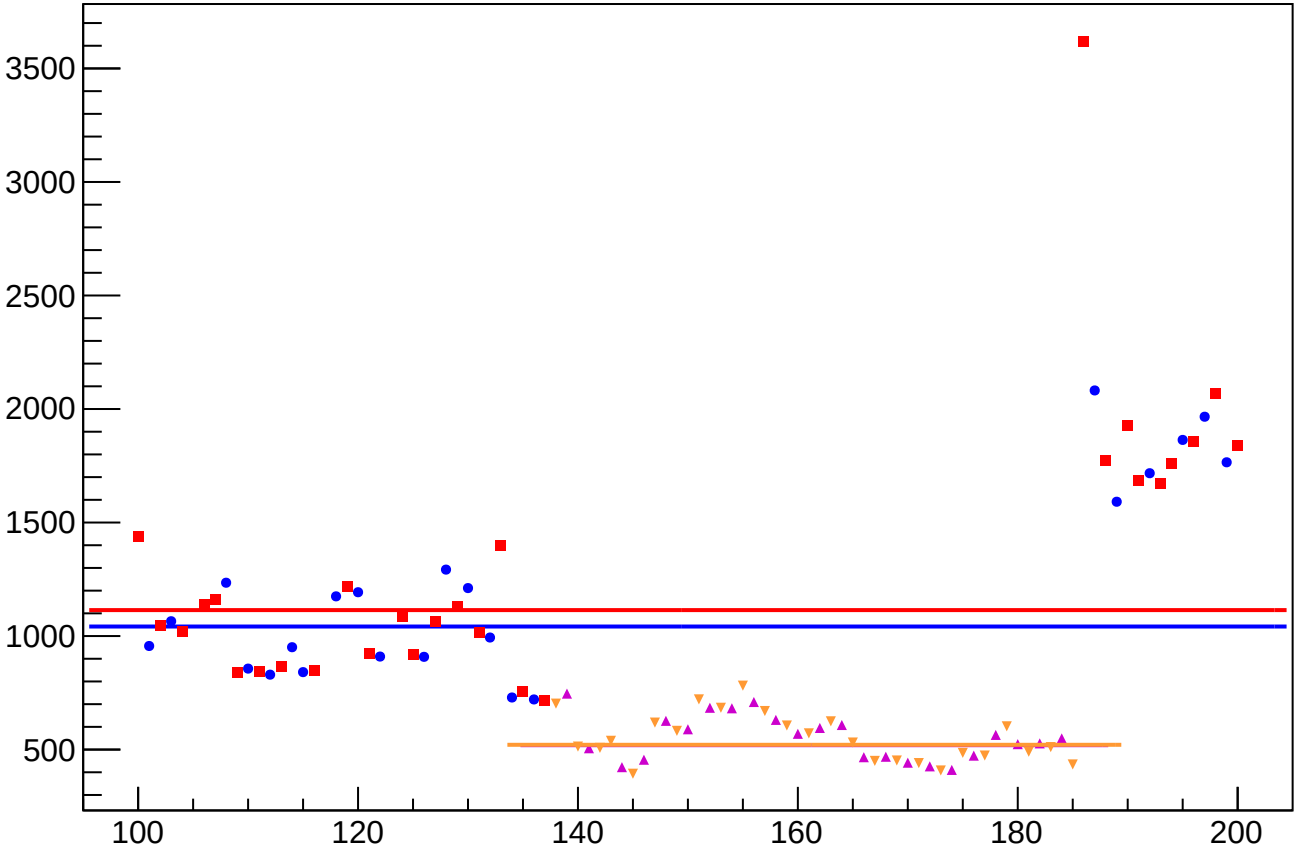
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 632.291+/-113.157 χ^2/NDF: 90.4/46

All: 386.988+/-80.747 χ^2/NDF: 148.2/97

\- sign 132.483+/-115.260 χ^2/NDF: 48.2/50

asym_sam_12345678_avg_rms vs Slug



Right In: 1041.964+/-0.230 χ^2/NDF: 2275400.4/21

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

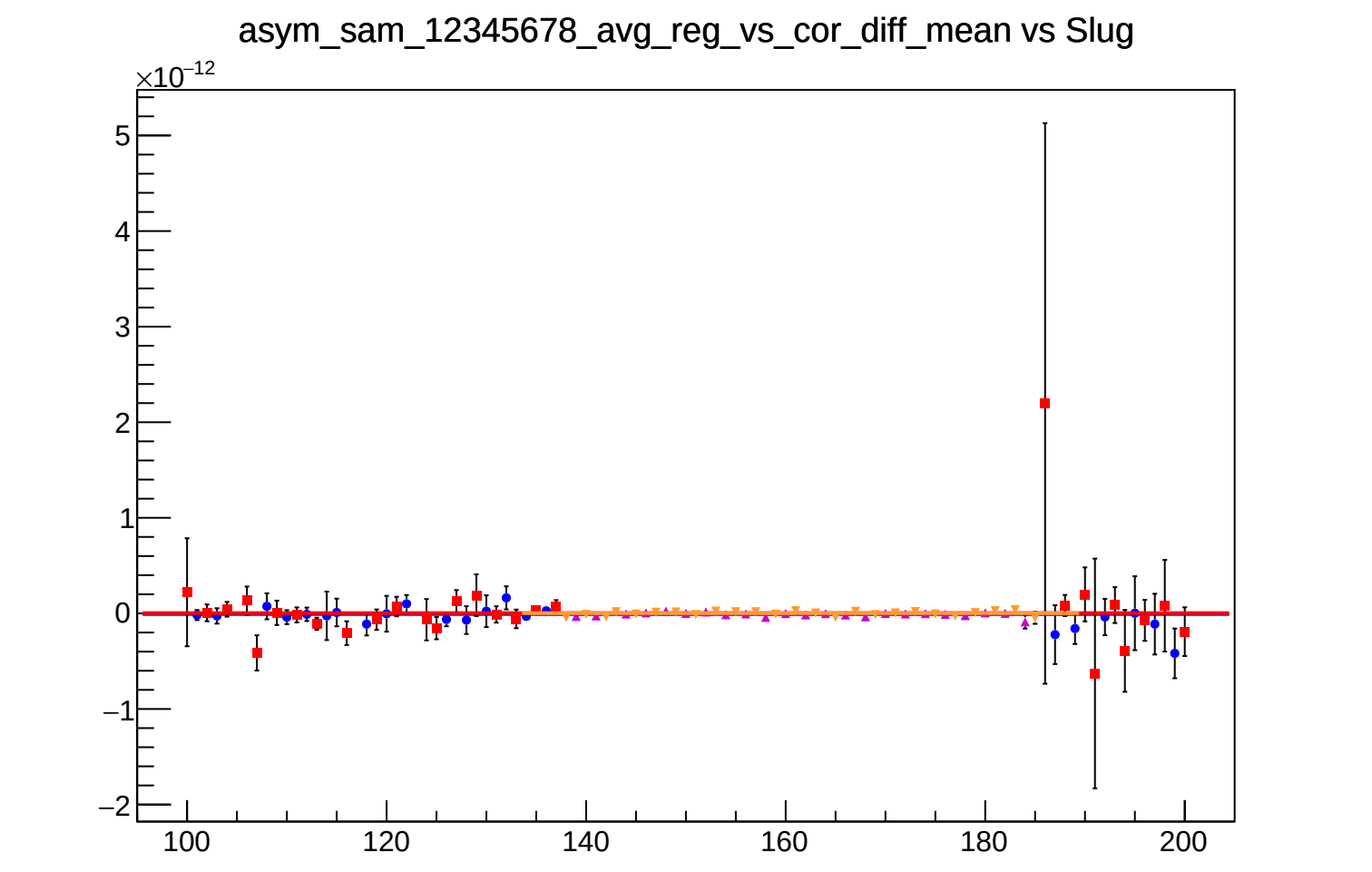
Right Out: 1114.291+/-0.227 χ^2/NDF: 2968385.5/27

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 584.231+/-0.080 χ^2/NDF: 8037339.5/46

All: 590.077+/-0.057 χ^2/NDF: 18116043.7/97

- sign 596.142+/-0.082 χ^2/NDF: 10067827.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

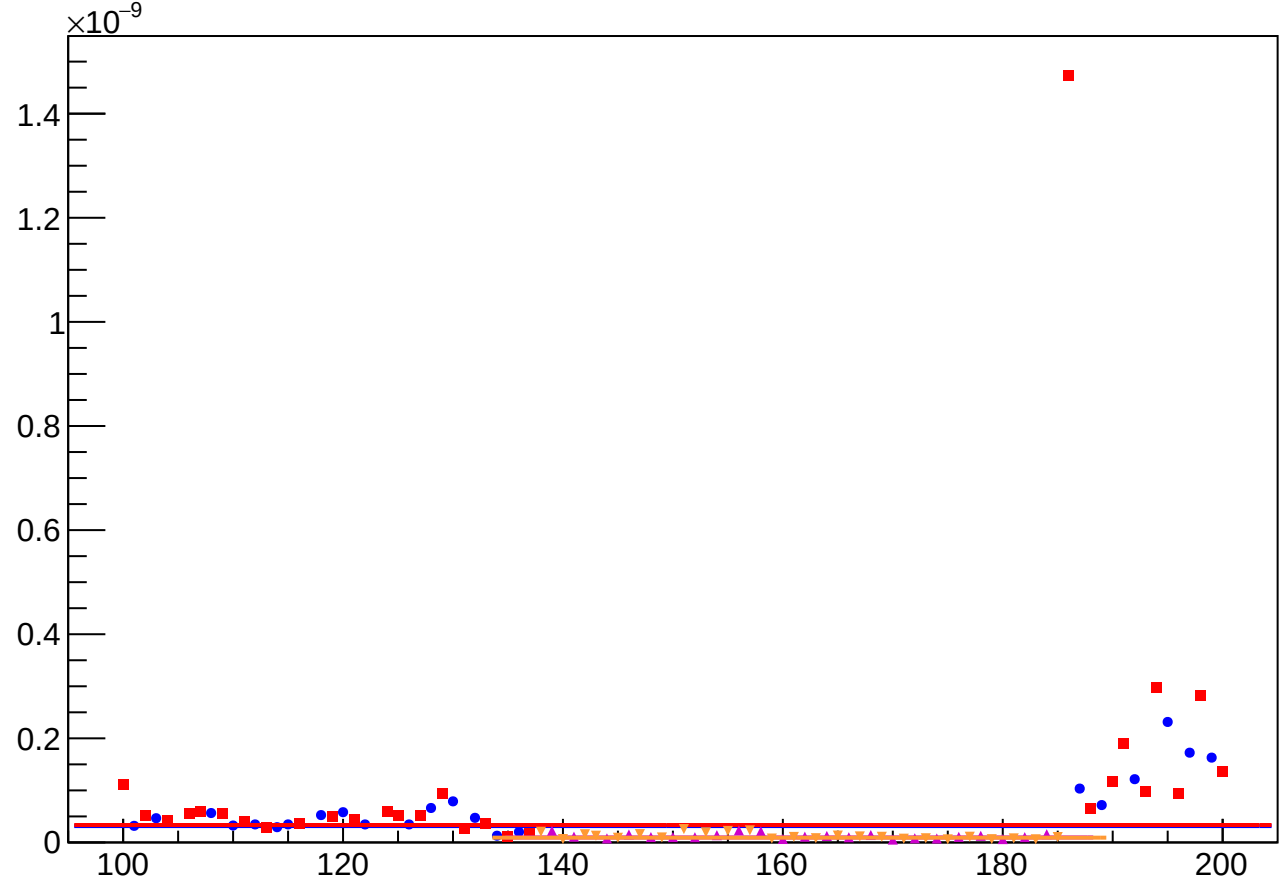
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/27

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/46

All: -0.000+/-0.000 χ^2/NDF: 69.3/97

- sign -0.000+/-0.000 χ^2/NDF: 34.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 3328814.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

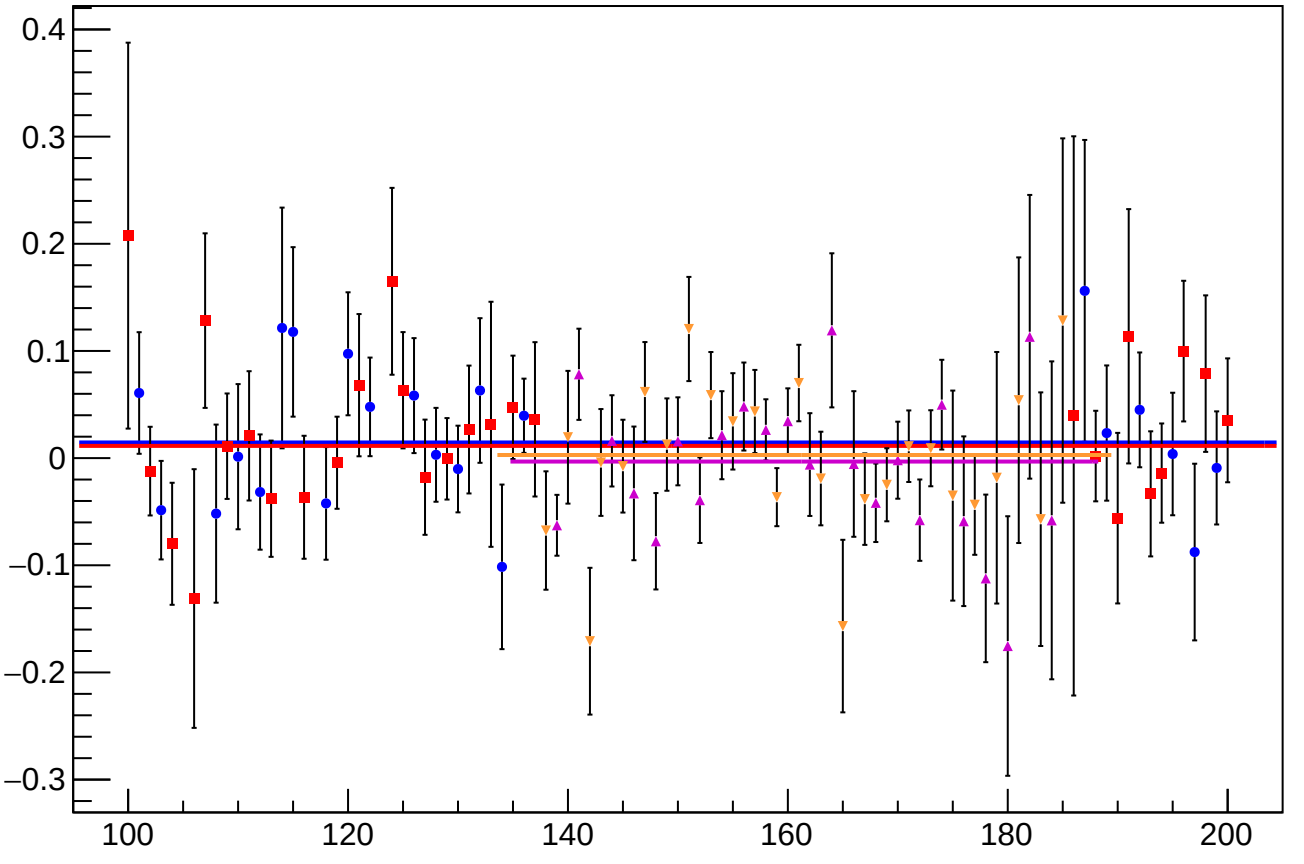
Right Out: 0.000+/-0.000 χ^2/NDF: 4633944.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8576129.3/46

All: 0.000+/-0.000 χ^2/NDF: 17969397.2/97

- sign 0.000+/-0.000 χ^2/NDF: 9381186.8/50



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

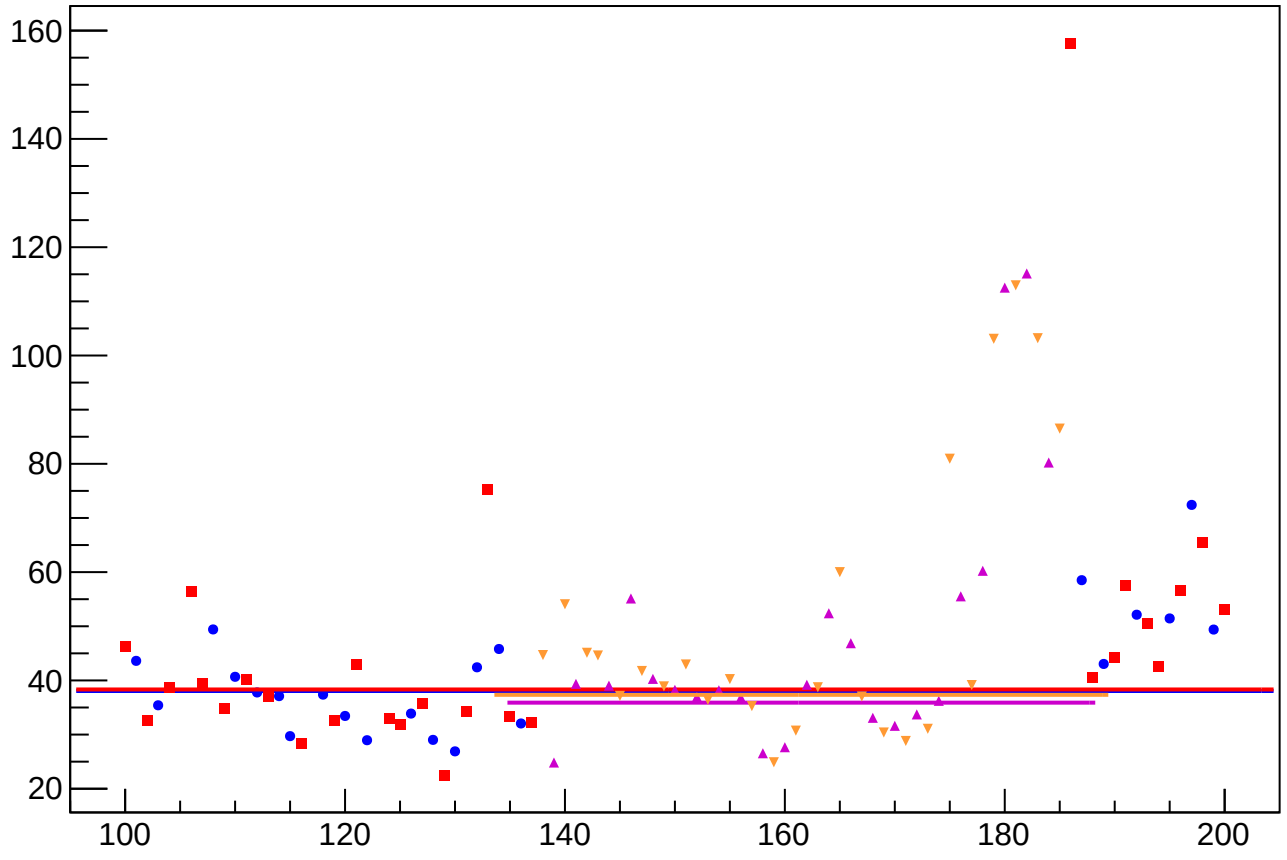
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.8/97

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

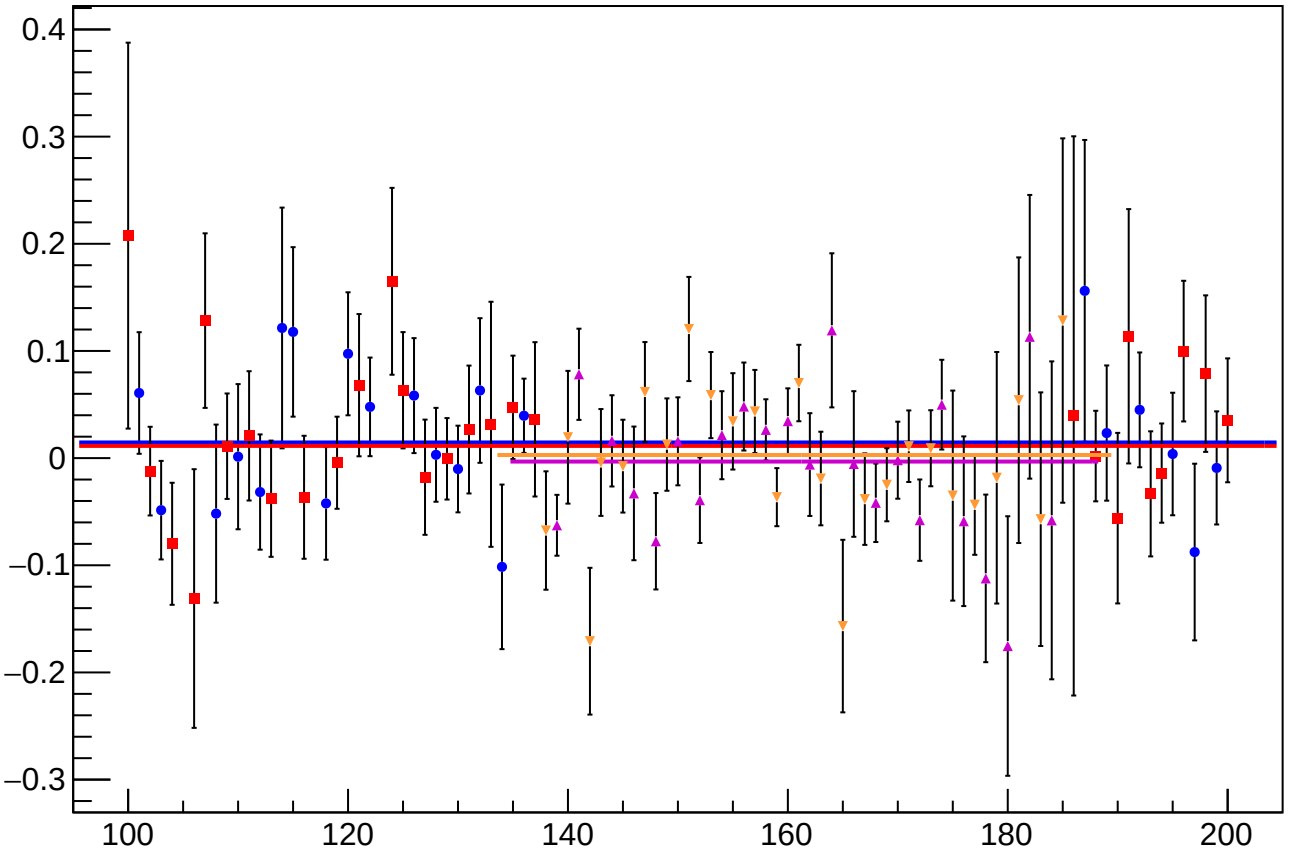
Right Out: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

\+ sign 37.609+/-0.005 χ^2/NDF: 4961663.2/46

All: 37.230+/-0.004 χ^2/NDF: 10172256.1/97

\- sign 36.875+/-0.005 χ^2/NDF: 5200199.6/50



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

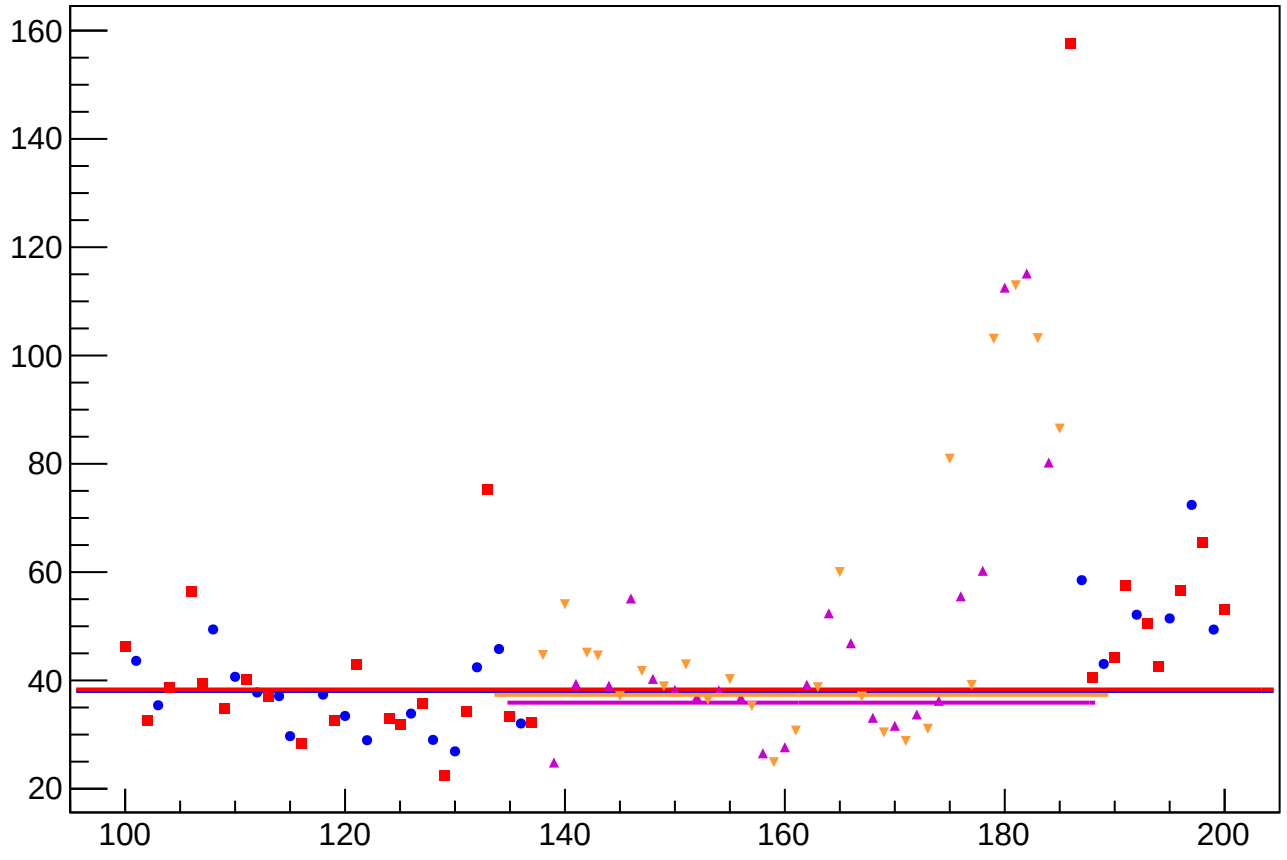
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.8/97

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

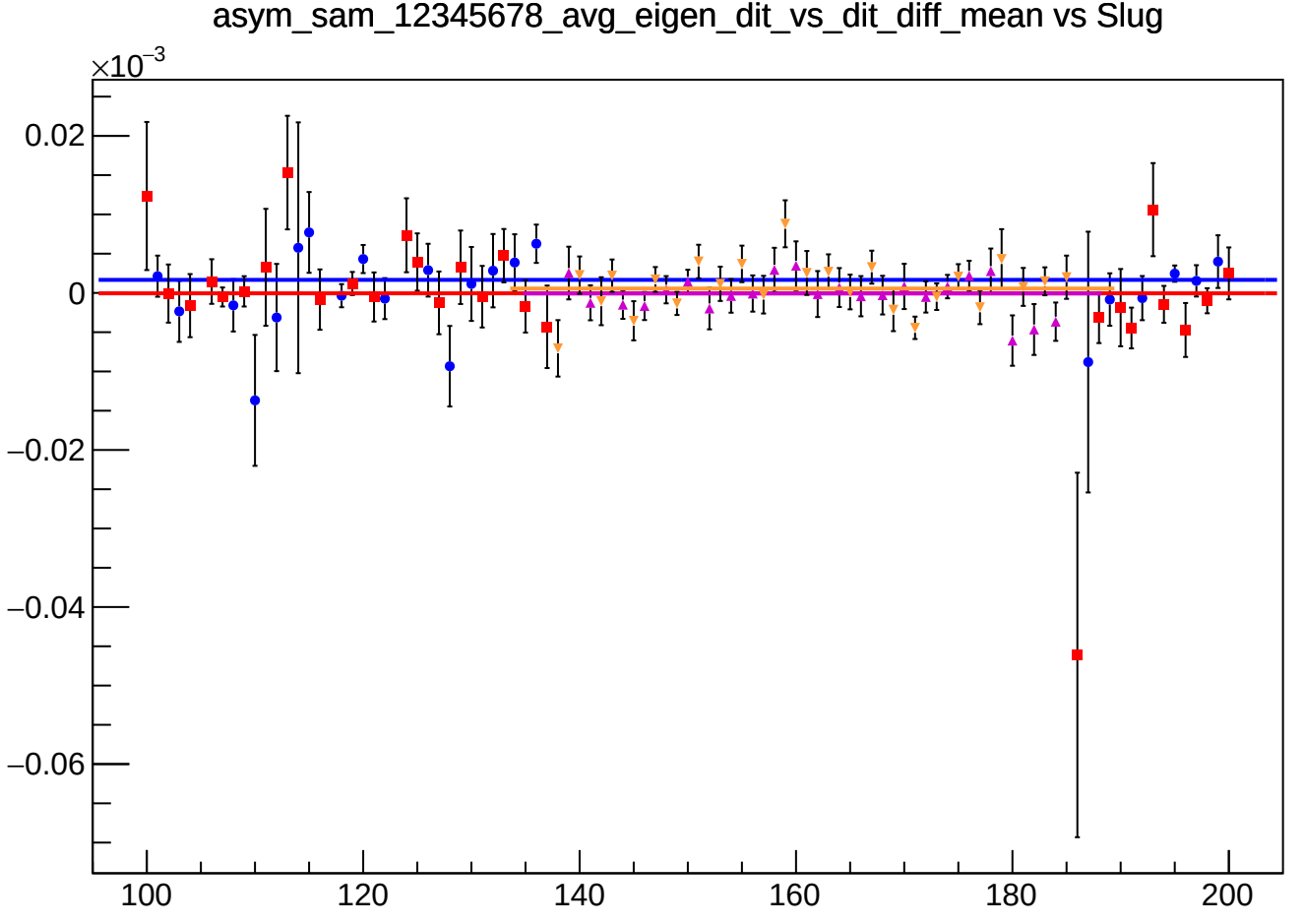
Right Out: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

\+ sign 37.609+/-0.005 χ^2/NDF: 4961663.2/46

All: 37.230+/-0.004 χ^2/NDF: 10172256.1/97

\- sign 36.875+/-0.005 χ^2/NDF: 5200199.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

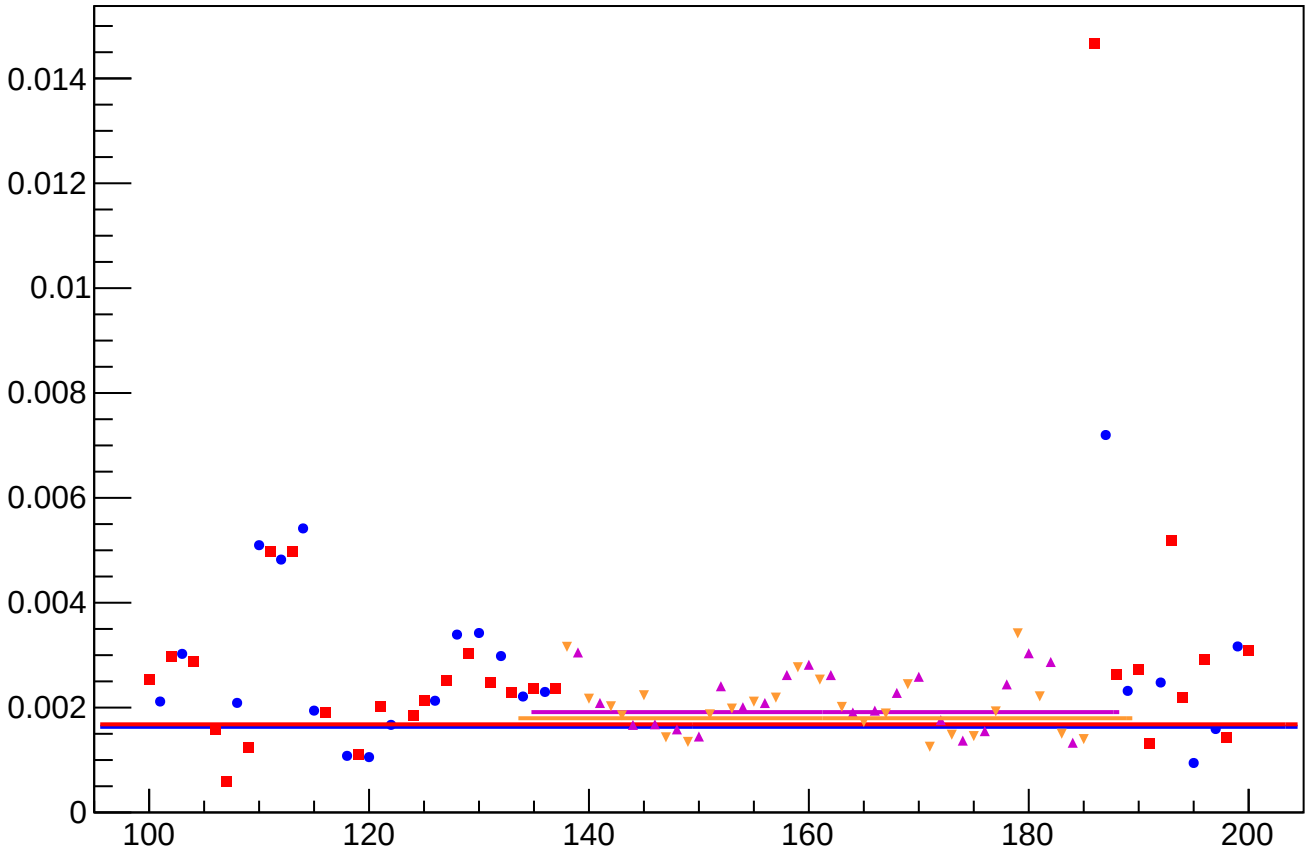
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.8/46

All: 0.000+/-0.000 χ^2/NDF: 120.4/97

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50



Right In: 0.002+/-0.000 χ^2/NDF: 4483520.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

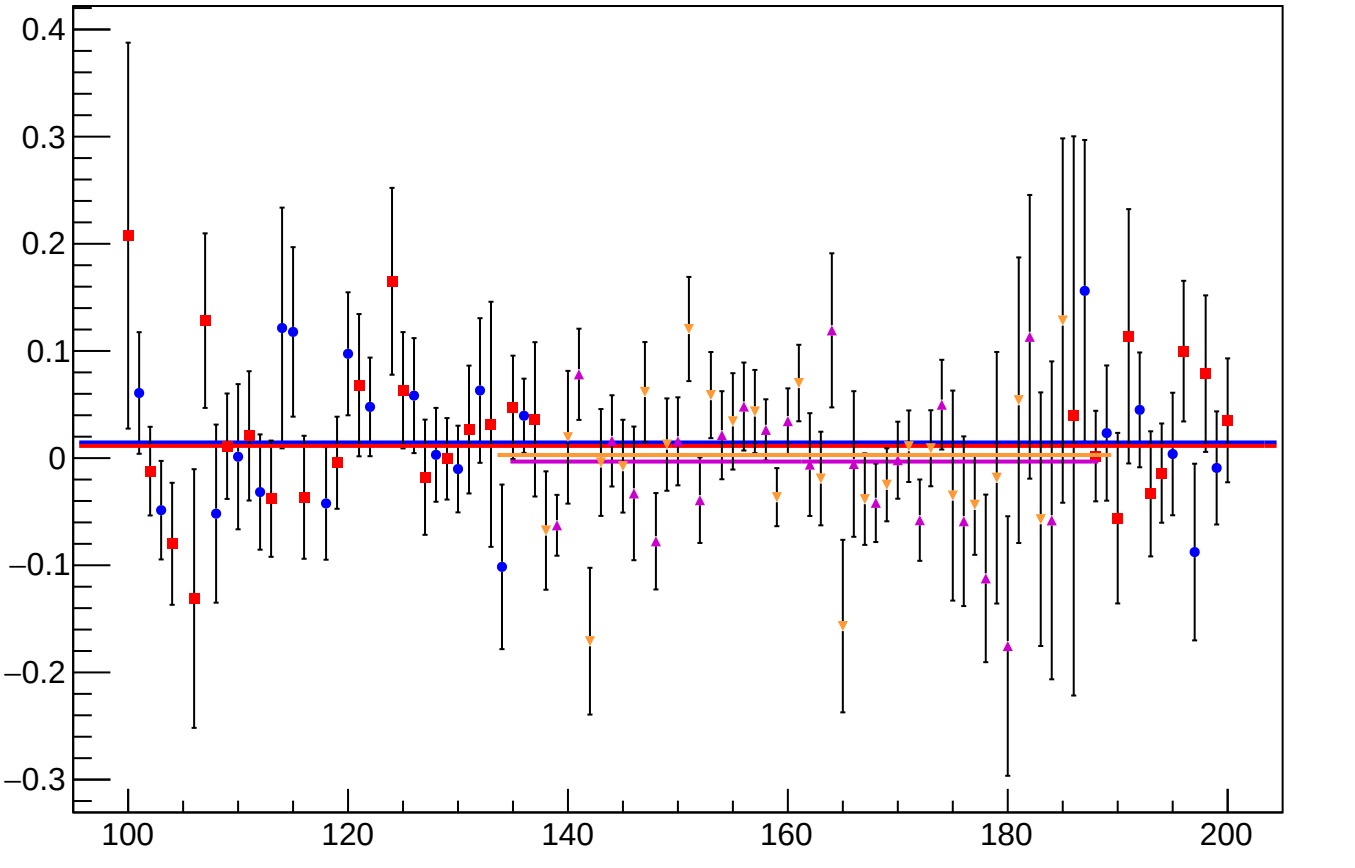
Right Out: 0.002+/-0.000 χ^2/NDF: 6235237.2/27

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 6872591.1/46

All: 0.002+/-0.000 χ^2/NDF: 15545334.0/97

- sign 0.002+/-0.000 χ^2/NDF: 8621895.4/50



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

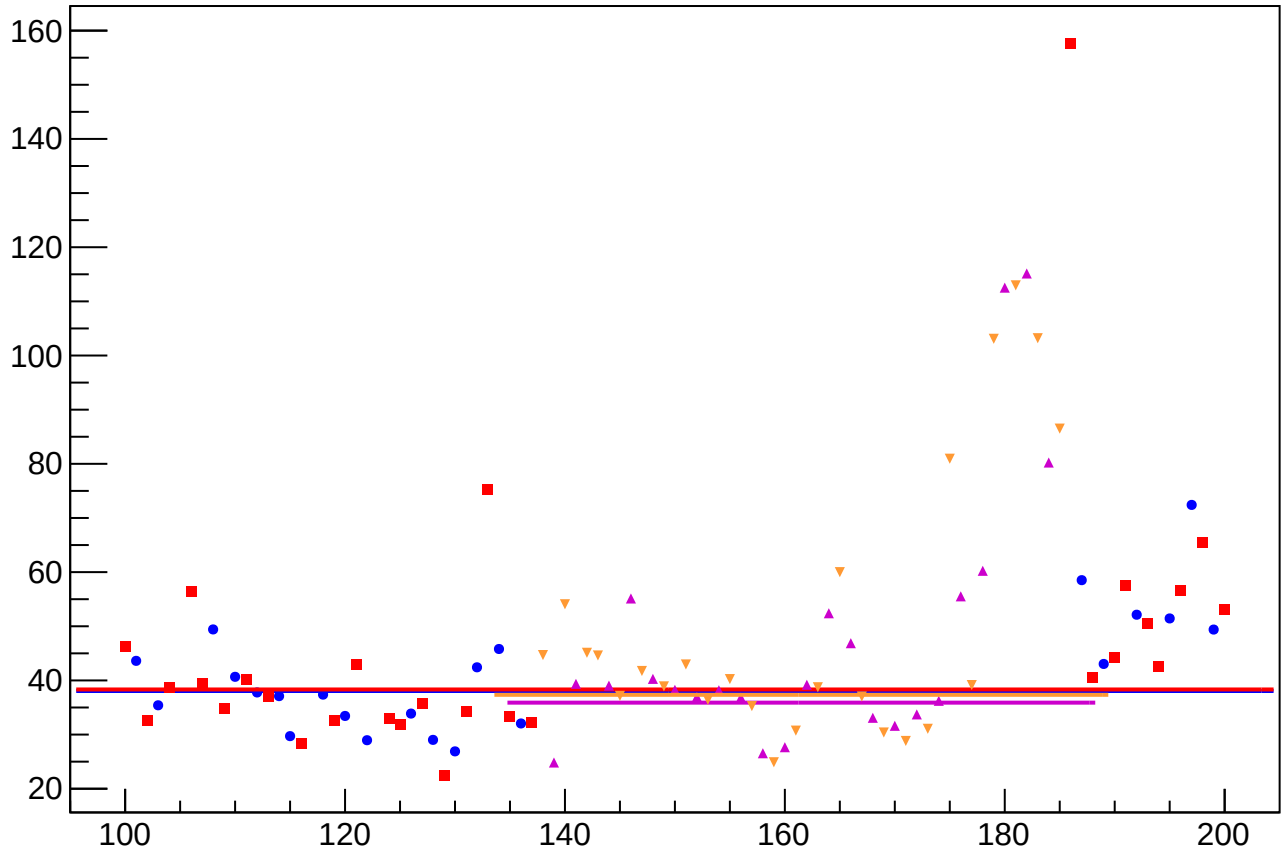
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.8/97

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

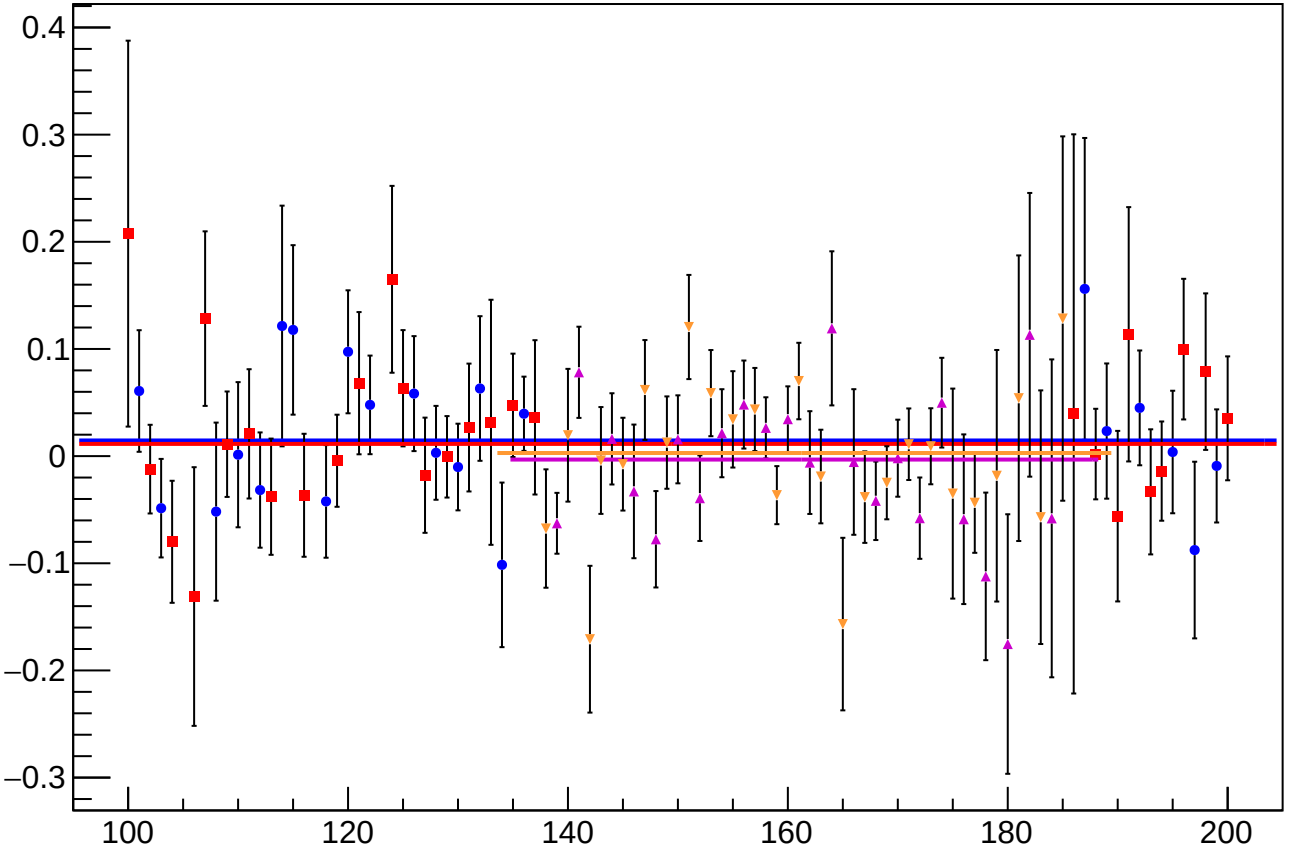
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

\+ sign 37.608+/-0.005 χ^2/NDF: 4961803.9/46

All: 37.230+/-0.004 χ^2/NDF: 10172478.3/97

\- sign 36.875+/-0.005 χ^2/NDF: 5200286.5/50

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

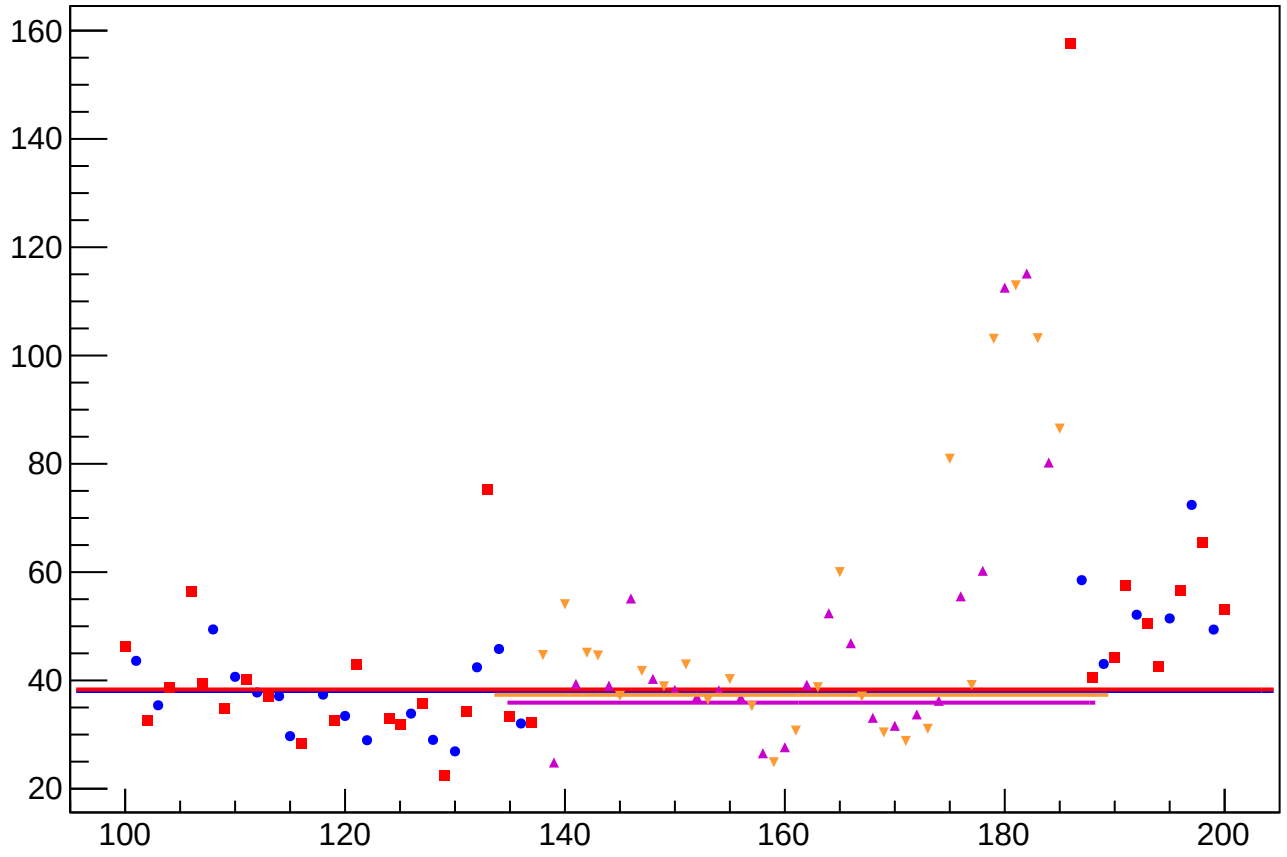
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.8/97

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

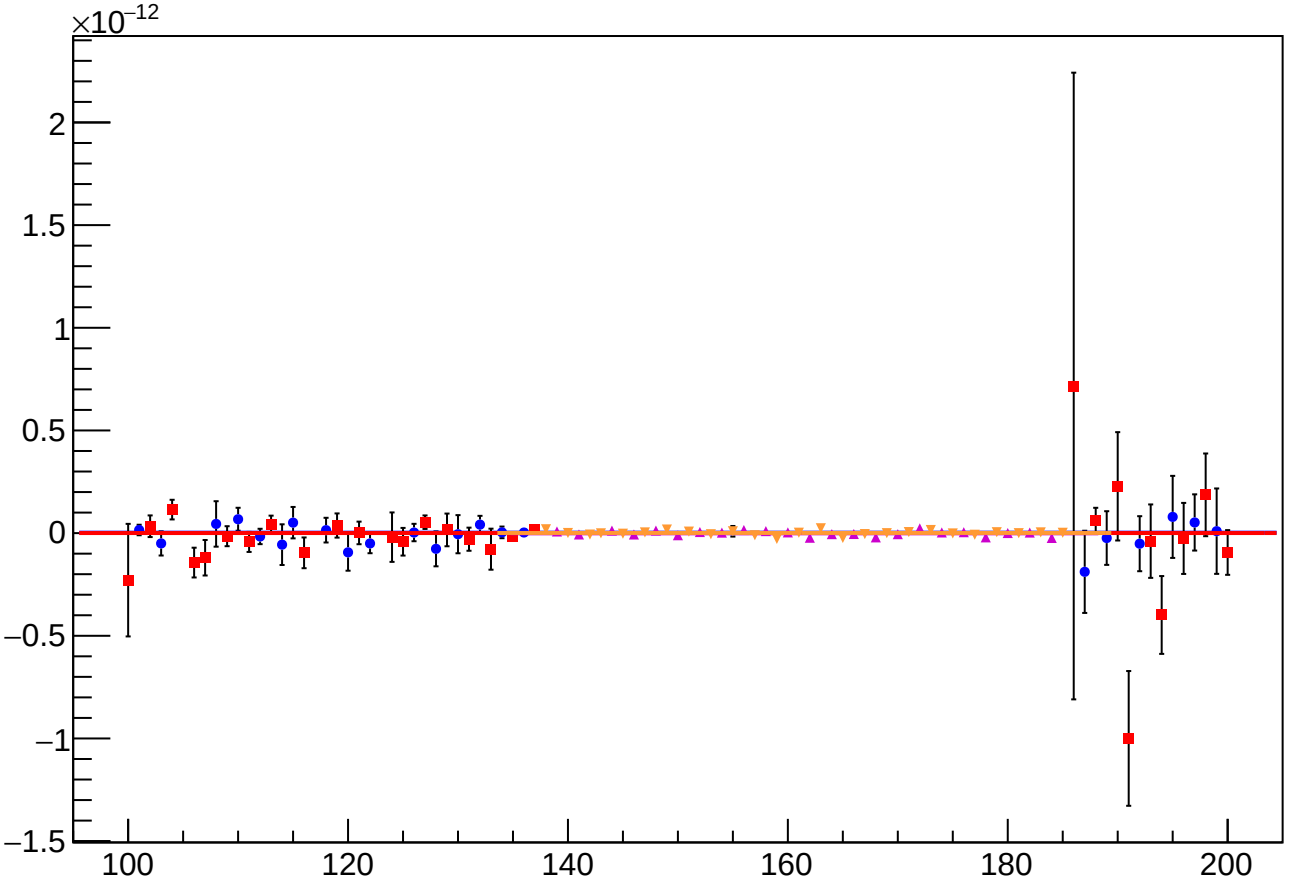
Right Out: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

\+ sign 37.608+/-0.005 χ^2/NDF: 4961803.9/46

All: 37.230+/-0.004 χ^2/NDF: 10172478.3/97

\- sign 36.875+/-0.005 χ^2/NDF: 5200286.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

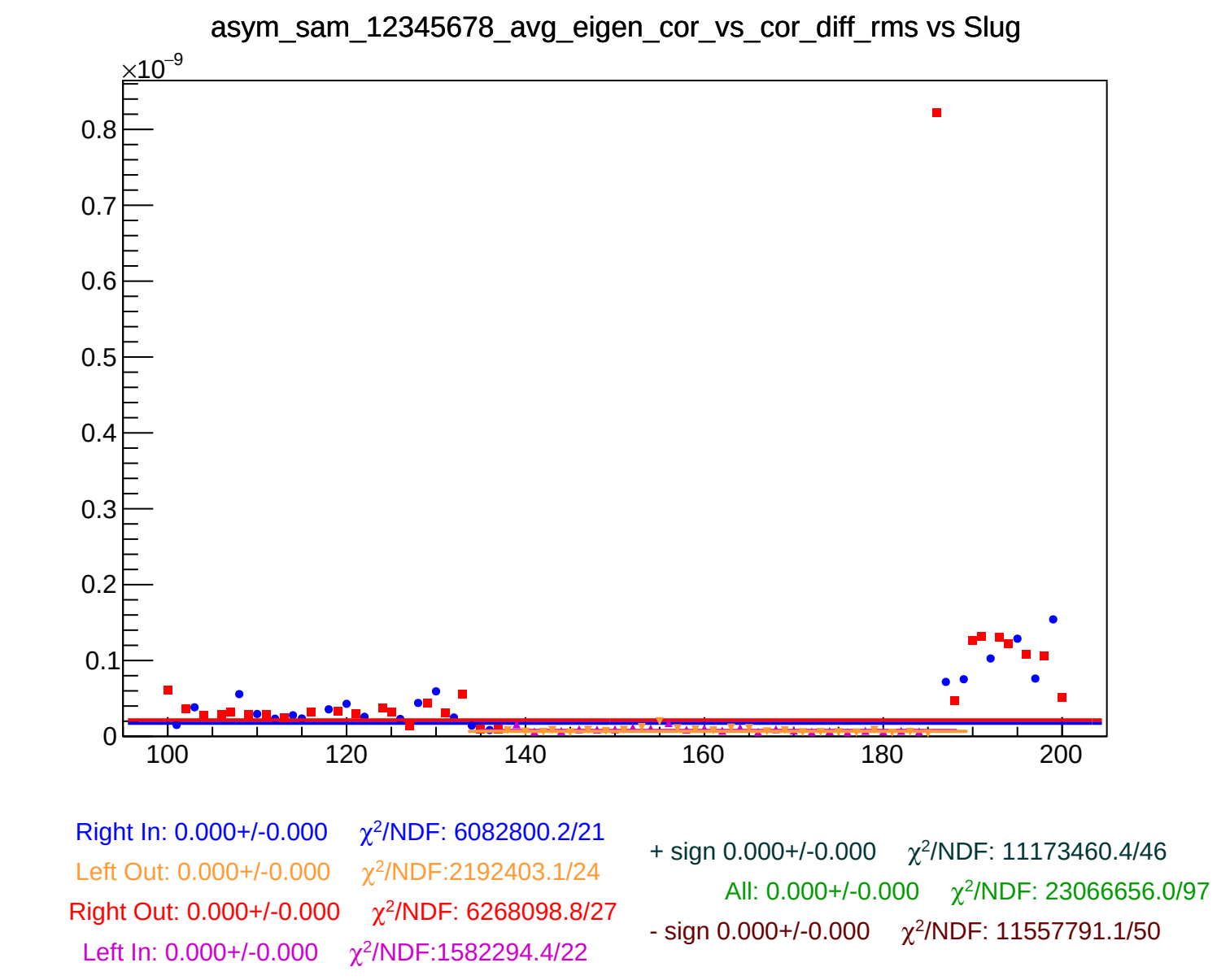
Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/27

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

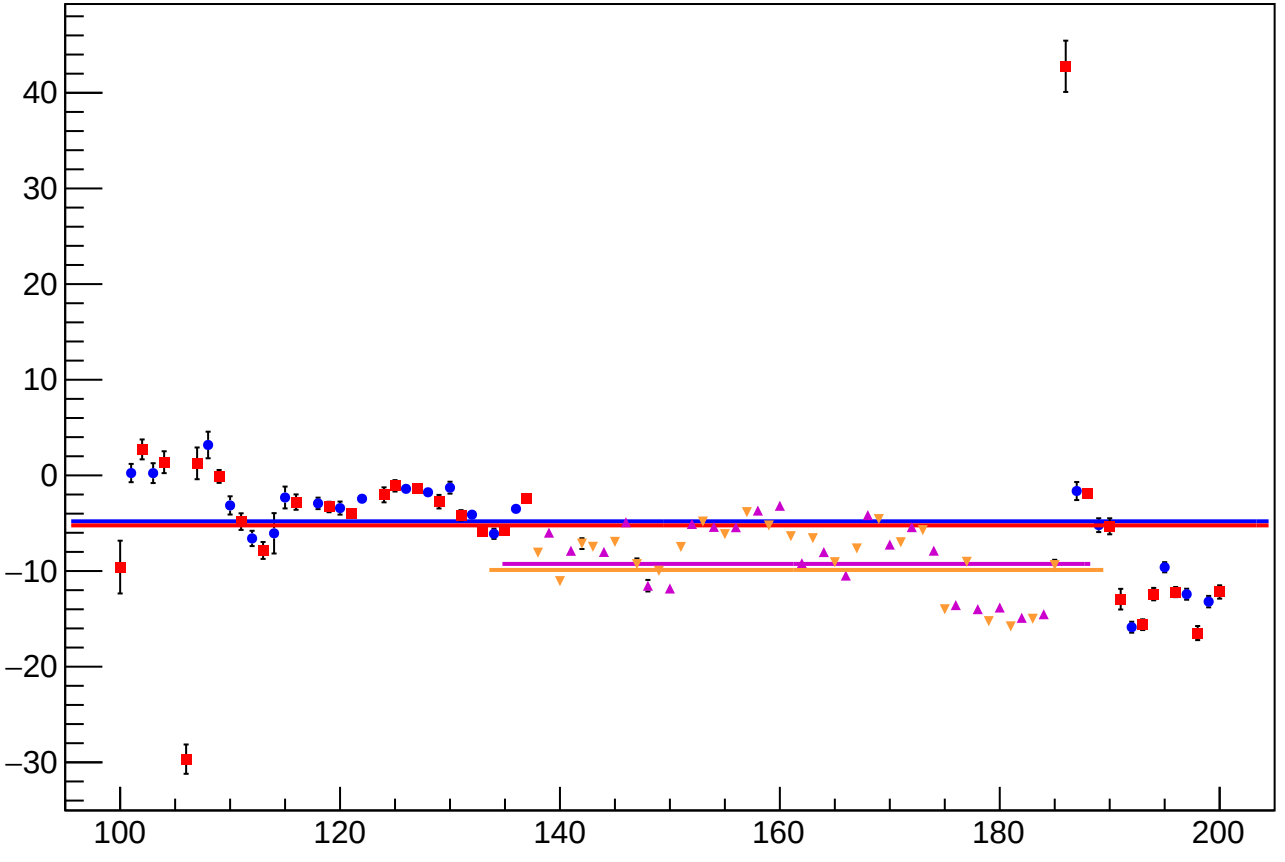
+ sign 0.000+/-0.000 χ^2/NDF: 30.5/46

All: 0.000+/-0.000 χ^2/NDF: 98.8/97

- sign -0.000+/-0.000 χ^2/NDF: 68.0/50


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6082800.2/21
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6268098.8/27
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
+ sign 0.000+/-0.000 χ²/NDF: 11173460.4/46
All: 0.000+/-0.000 χ²/NDF: 23066656.0/97
- sign 0.000+/-0.000 χ²/NDF: 11557791.1/50

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.802+/-0.119 χ^2/NDF: 1135.6/21

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.227+/-0.115 χ^2/NDF: 2102.2/27

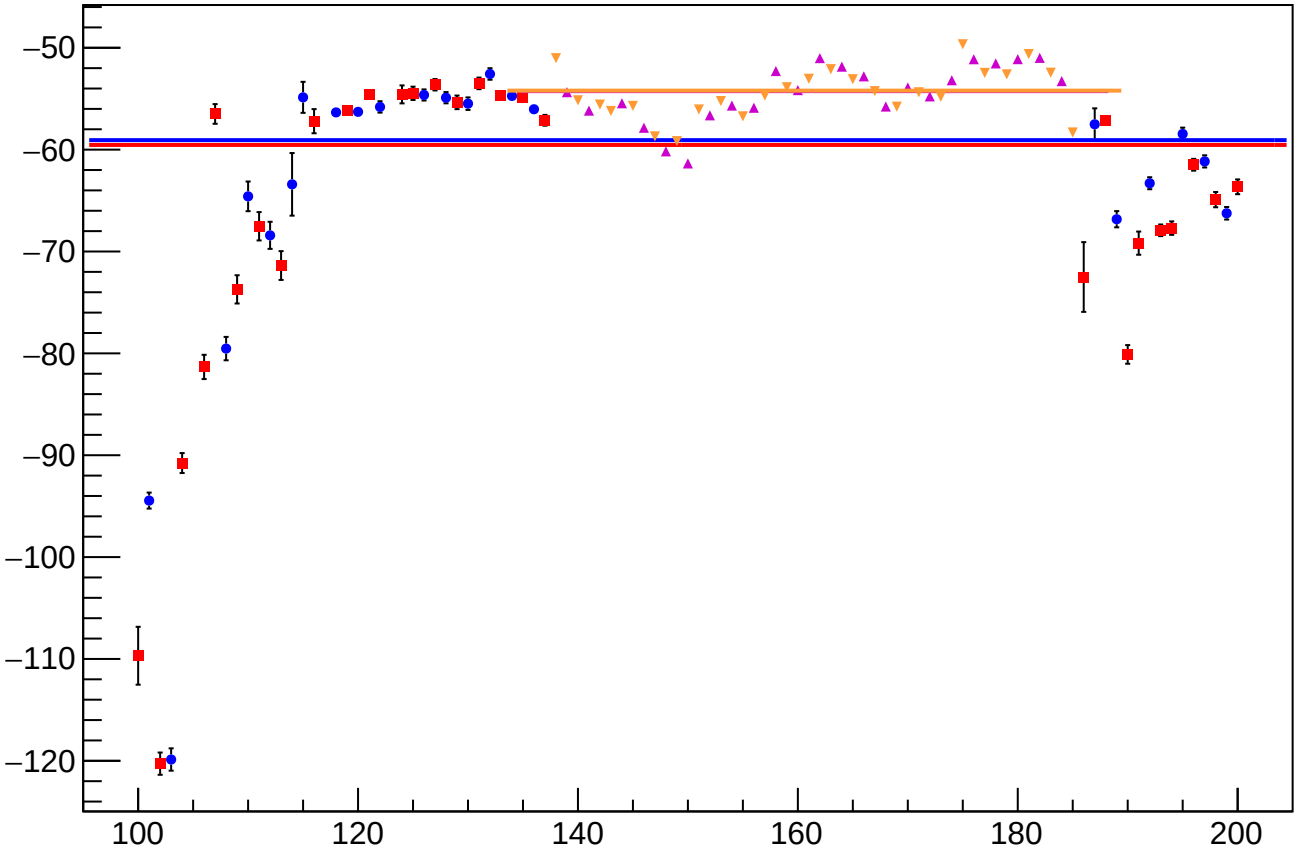
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.599+/-0.060 χ^2/NDF: 5695.8/46

All: -8.366+/-0.043 χ^2/NDF: 11782.1/97

- sign -8.126+/-0.061 χ^2/NDF: 6055.7/50

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.068+/-0.122 χ^2/NDF: 6464.1/21

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.538+/-0.119 χ^2/NDF: 7029.4/27

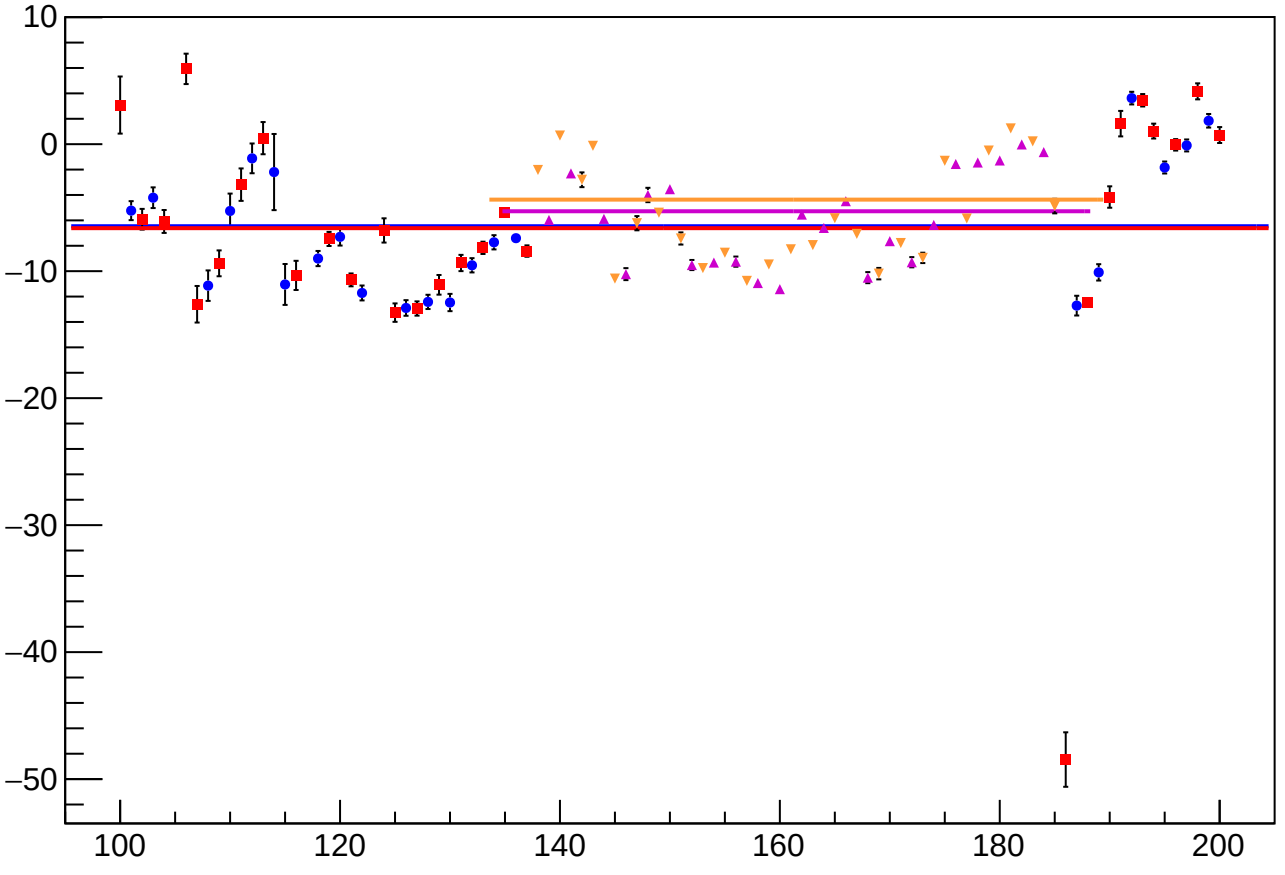
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

\+ sign -55.050+/-0.051 χ^2/NDF: 9637.3/46

All: -55.161+/-0.036 χ^2/NDF: 20753.7/97

\- sign -55.279+/-0.052 χ^2/NDF: 11106.5/50

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.461+/-0.121 χ^2/NDF: 1536.1/21

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.614+/-0.114 χ^2/NDF: 2764.7/27

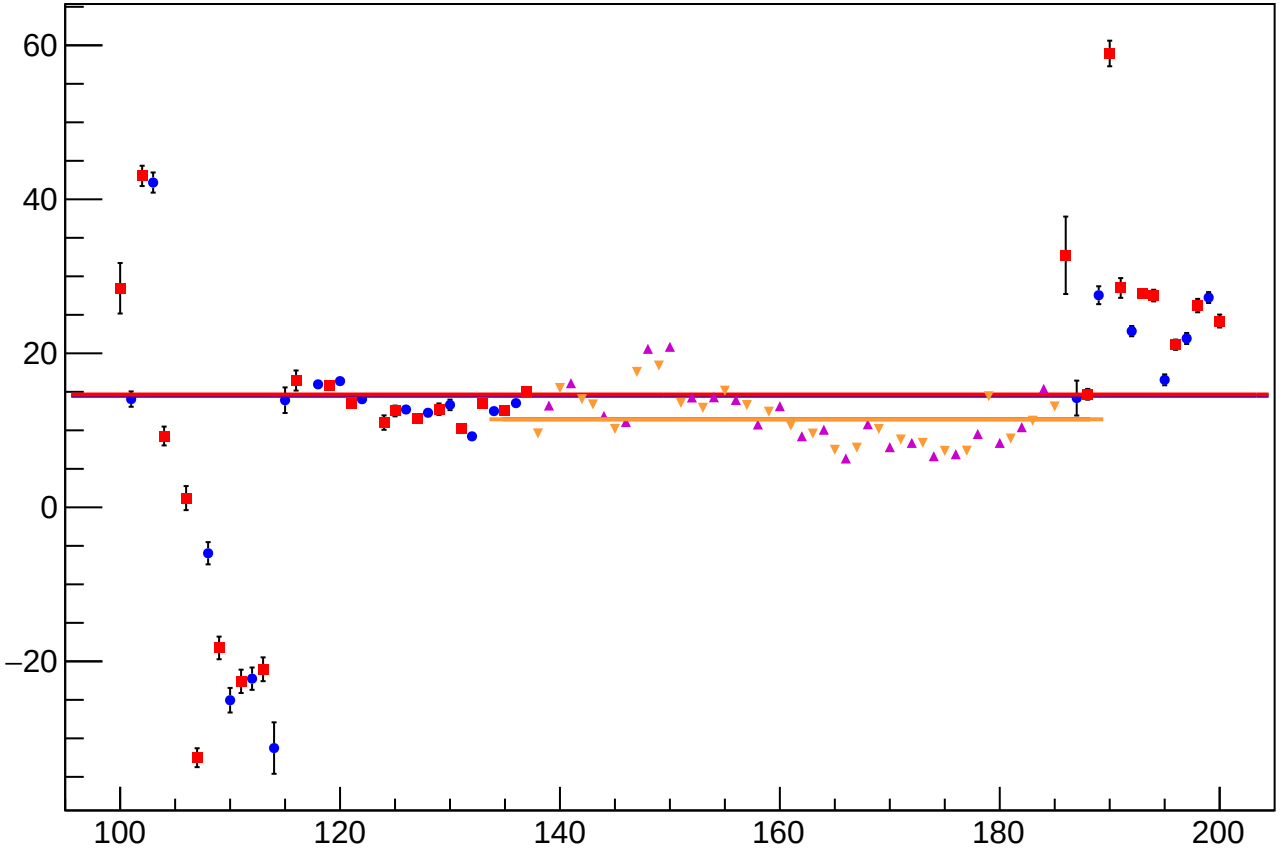
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.883+/-0.060 χ^2/NDF: 5463.5/46

All: -5.268+/-0.043 χ^2/NDF: 11158.8/97

- sign -5.655+/-0.060 χ^2/NDF: 5613.1/50

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.493+/-0.137 χ^2/NDF: 2972.8/21

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.651+/-0.136 χ^2/NDF: 5804.4/27

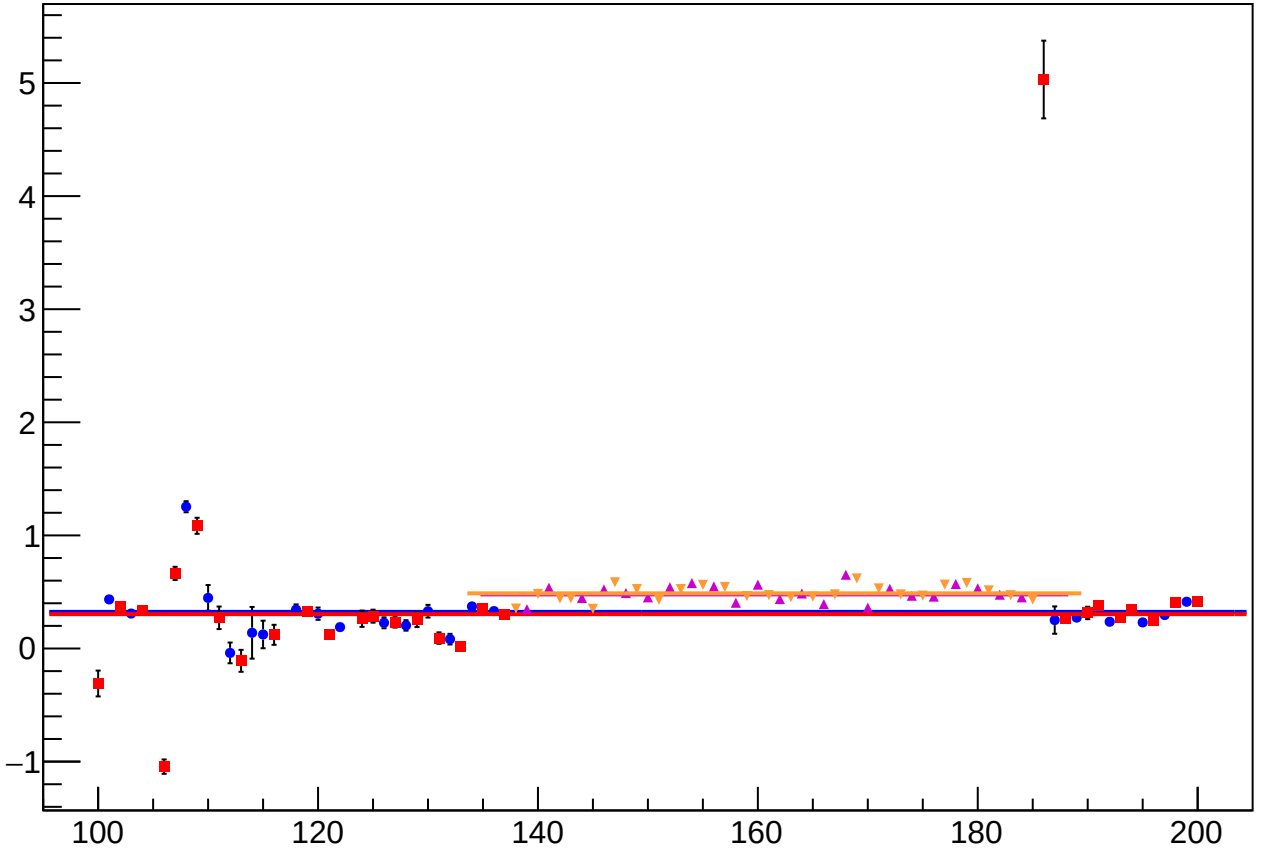
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.958+/-0.056 χ^2/NDF: 5822.0/46

All: 11.990+/-0.040 χ^2/NDF: 15439.1/97

\- sign 12.024+/-0.058 χ^2/NDF: 9616.4/50

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.006 χ^2/NDF: 499.0/21

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.304+/-0.006 χ^2/NDF: 1031.1/27

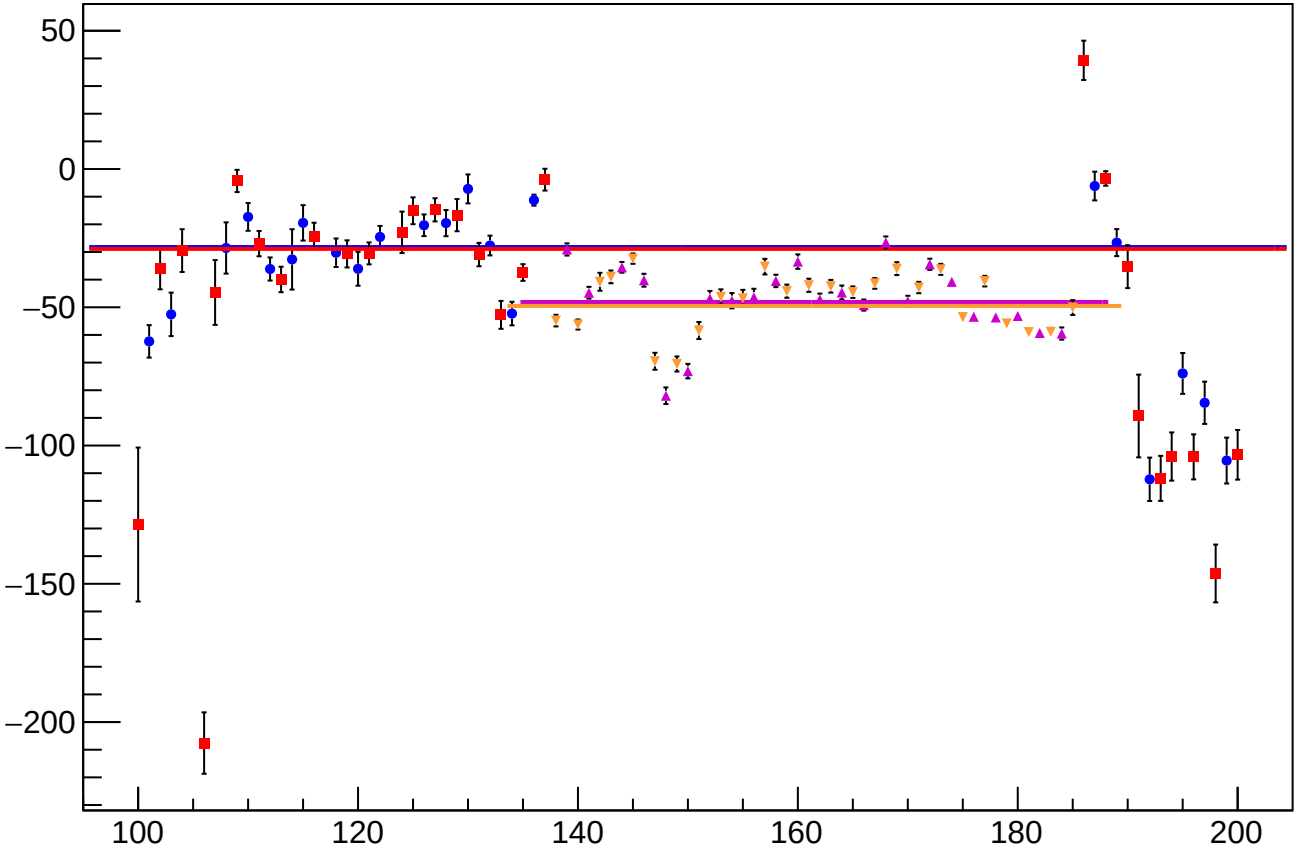
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1616.6/46

All: 0.455+/-0.002 χ^2/NDF: 4125.6/97

- sign 0.449+/-0.003 χ^2/NDF: 2497.2/50

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -28.223+/-1.004 χ^2/NDF: 496.6/21

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -28.877+/-0.989 χ^2/NDF: 1074.3/27

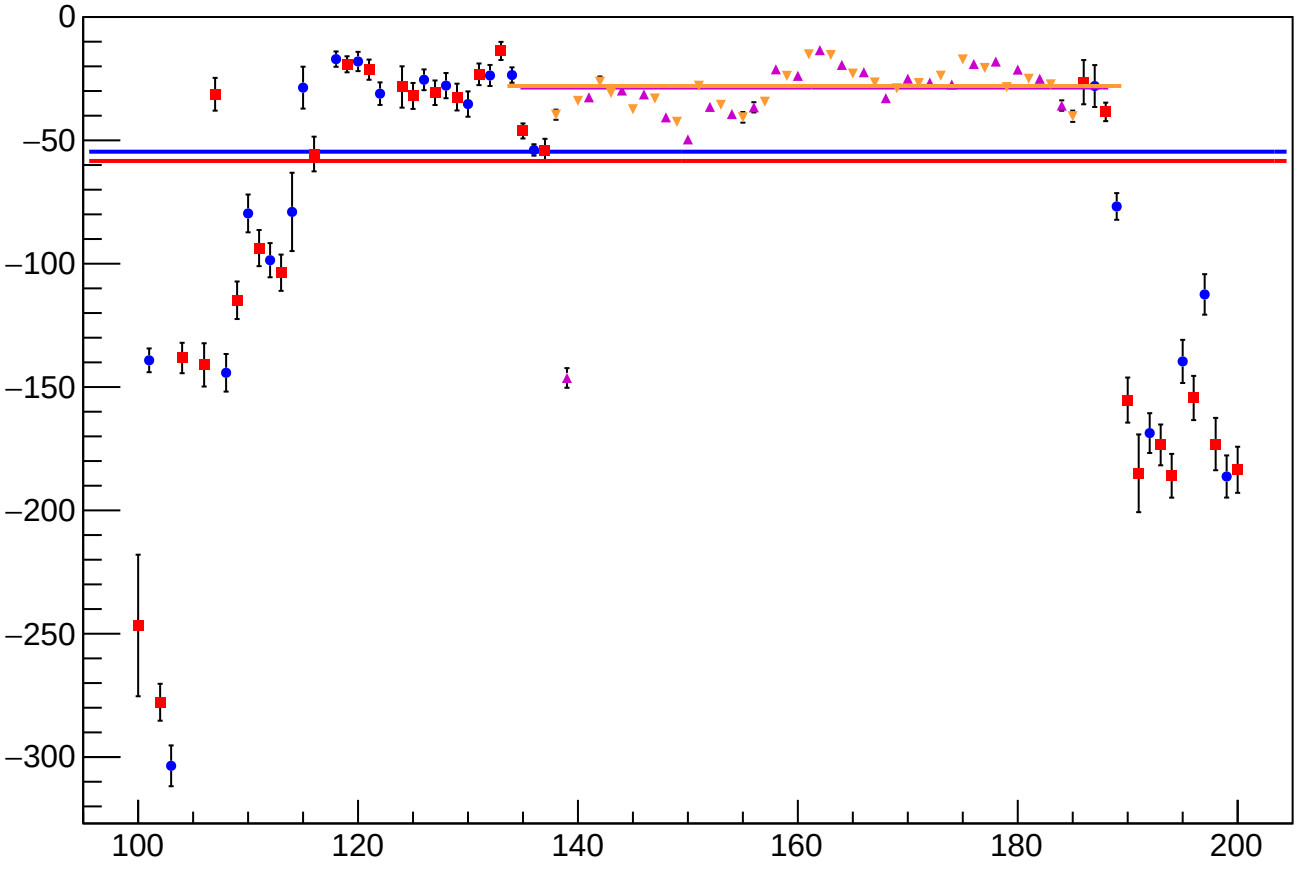
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.568+/-0.374 χ^2/NDF: 1460.6/46

All: -45.890+/-0.268 χ^2/NDF: 3567.9/97

- sign -45.169+/-0.385 χ^2/NDF: 2100.5/50

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -54.593+/-1.037 χ^2/NDF: 2524.2/21

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -58.350+/-1.069 χ^2/NDF: 2869.4/27

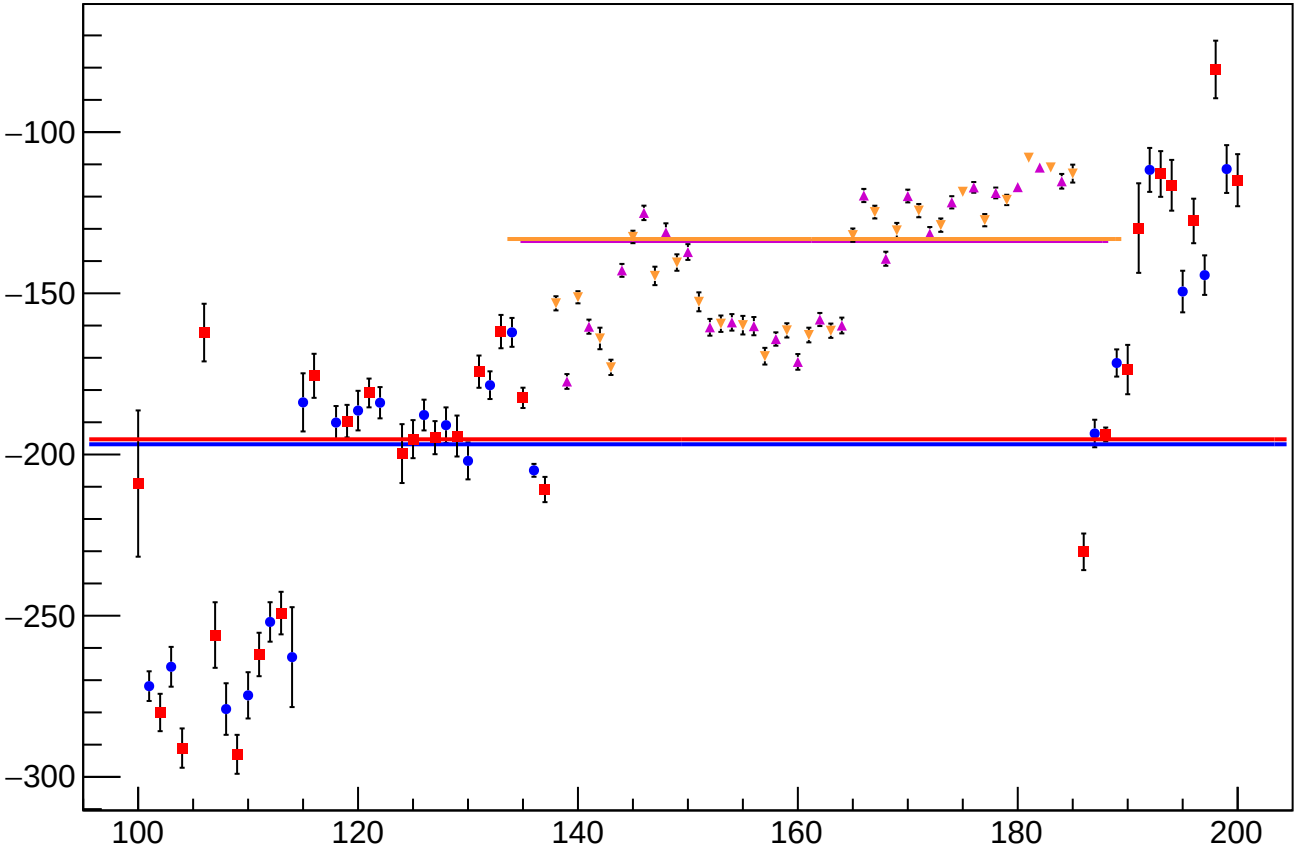
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -30.288+/-0.307 χ^2/NDF: 3624.0/46

All: -30.743+/-0.221 χ^2/NDF: 8684.7/97

\- sign -31.233+/-0.318 χ^2/NDF: 5056.1/50

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -196.829+/-1.042 χ^2/NDF: 1278.8/21

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -195.280+/-1.016 χ^2/NDF: 1712.4/27

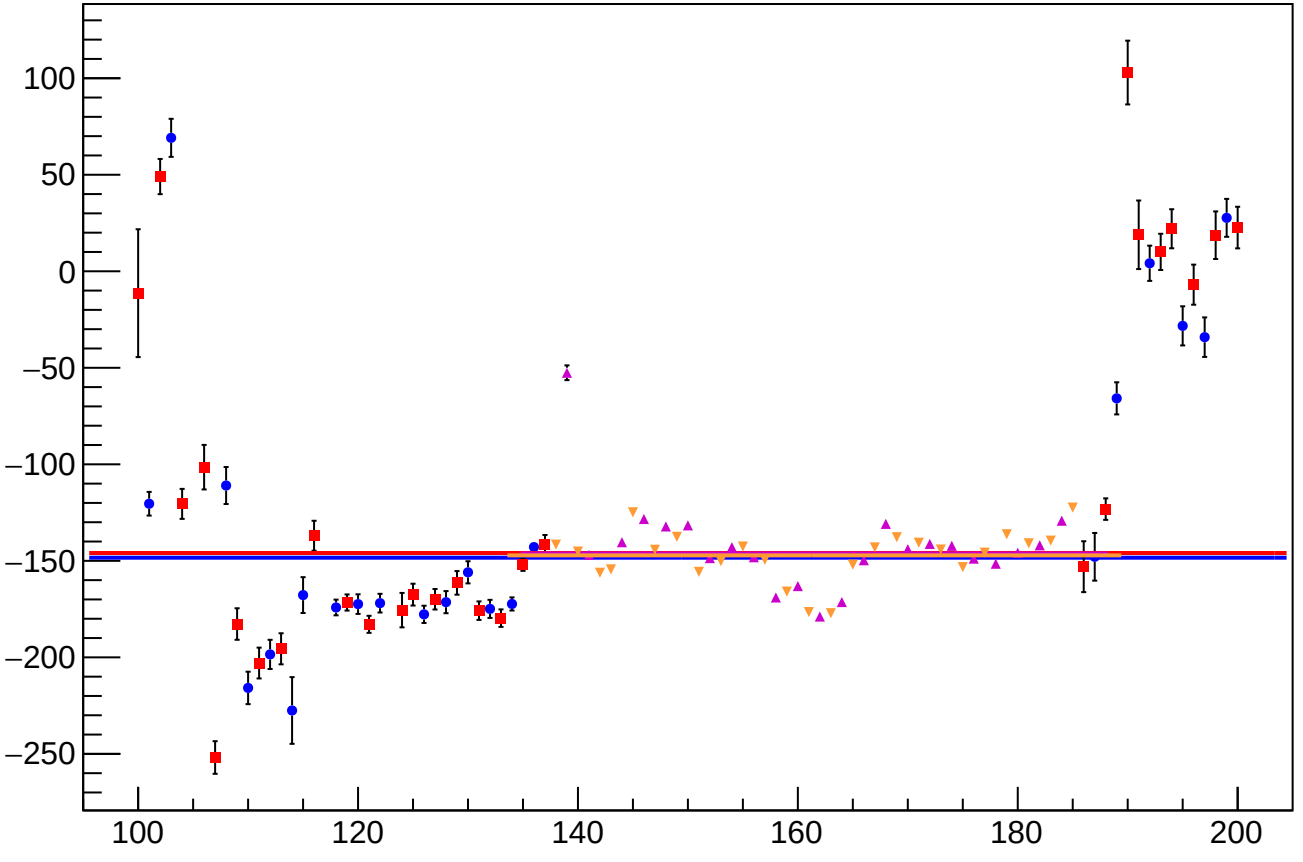
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.442+/-0.376 χ^2/NDF: 7059.7/46

All: -142.029+/-0.269 χ^2/NDF: 14355.9/97

- sign -142.649+/-0.386 χ^2/NDF: 7291.2/50

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -148.368+/-1.172 χ^2/NDF: 1855.7/21

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -145.944+/-1.230 χ^2/NDF: 2511.6/27

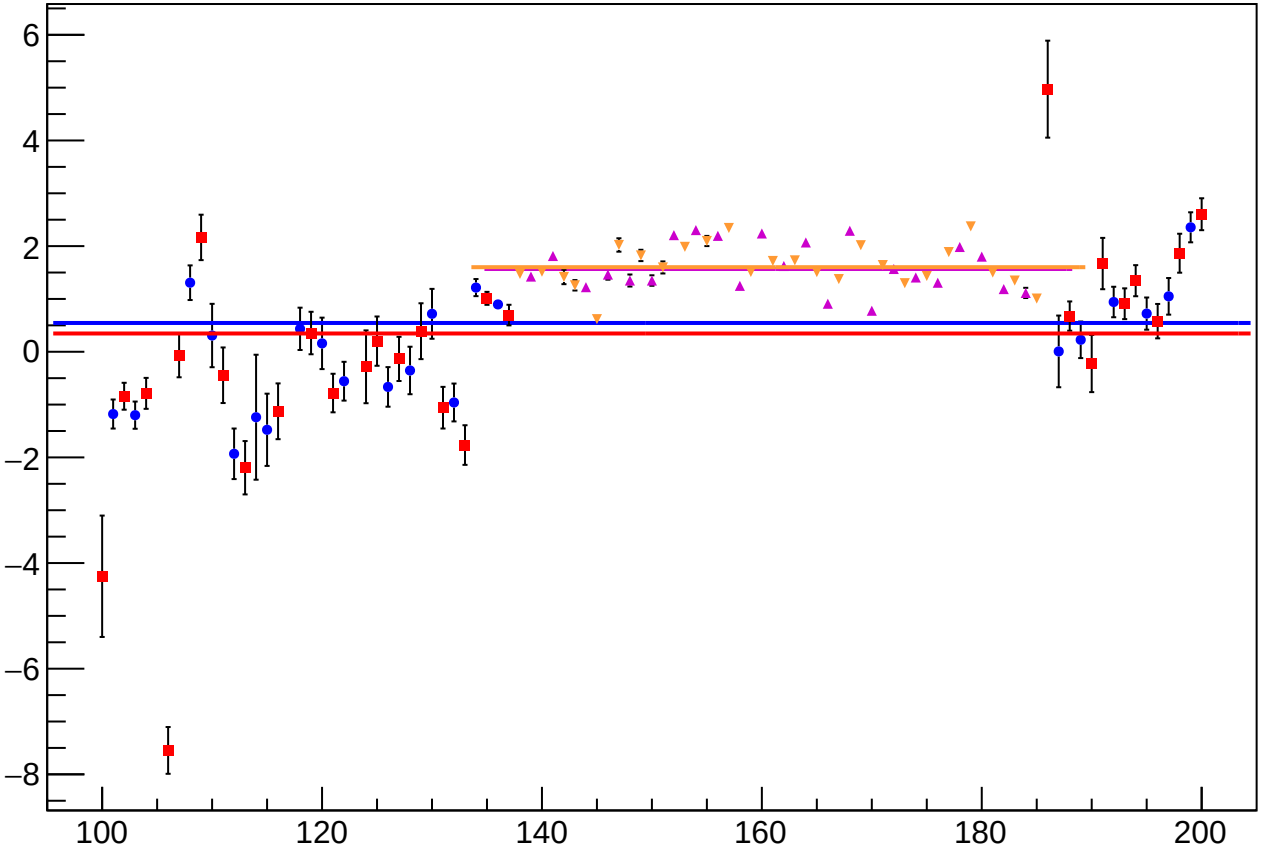
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.269+/-0.342 χ^2/NDF: 3102.3/46

All: -146.731+/-0.246 χ^2/NDF: 7412.8/97

- sign -146.154+/-0.355 χ^2/NDF: 4305.4/50

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.545+/-0.059 χ^2/NDF: 247.7/21

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.346+/-0.062 χ^2/NDF: 637.7/27

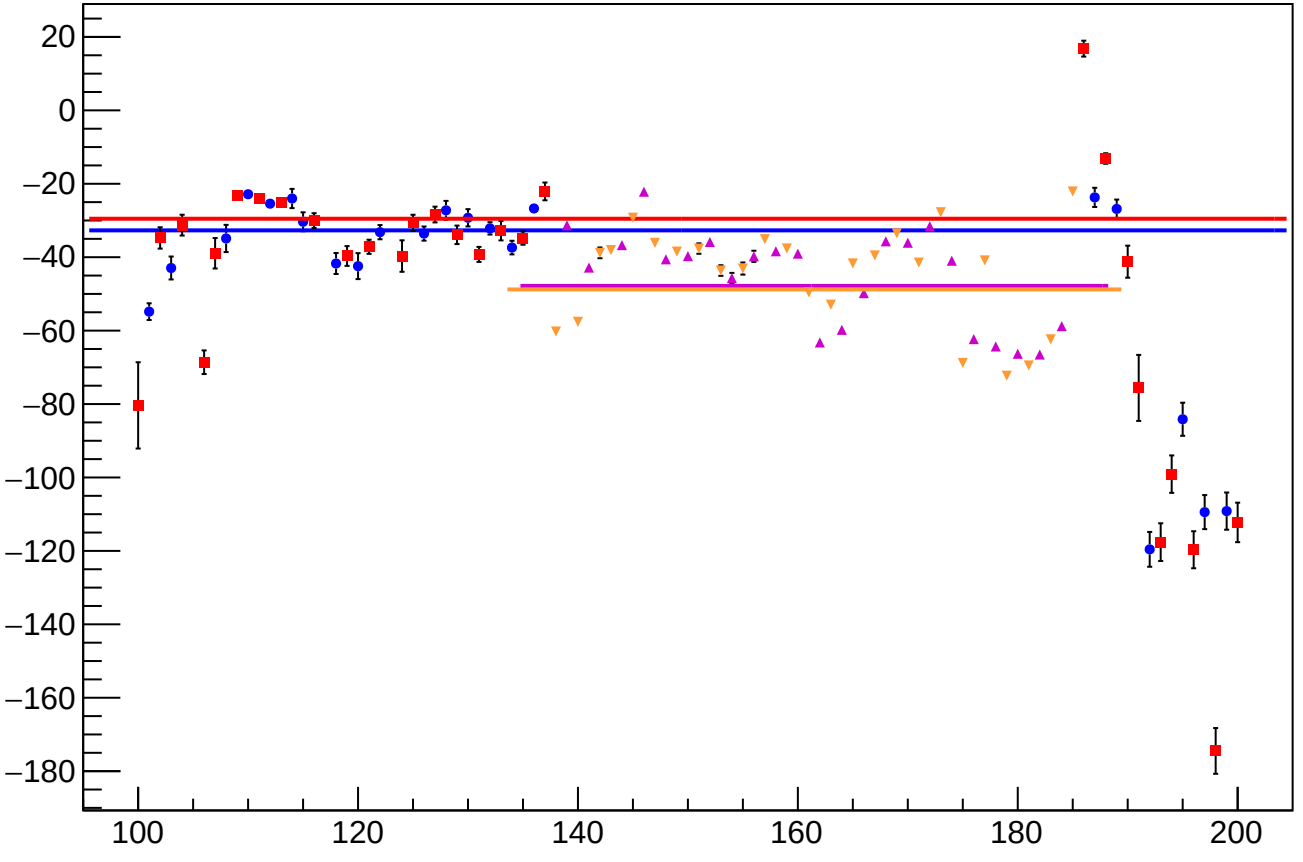
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.528+/-0.015 χ^2/NDF: 1132.4/46

All: 1.508+/-0.011 χ^2/NDF: 2876.7/97

\- sign 1.486+/-0.016 χ^2/NDF: 1740.8/50

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -32.690+/-0.445 χ^2/NDF: 1263.5/21

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.522+/-0.413 χ^2/NDF: 2527.2/27

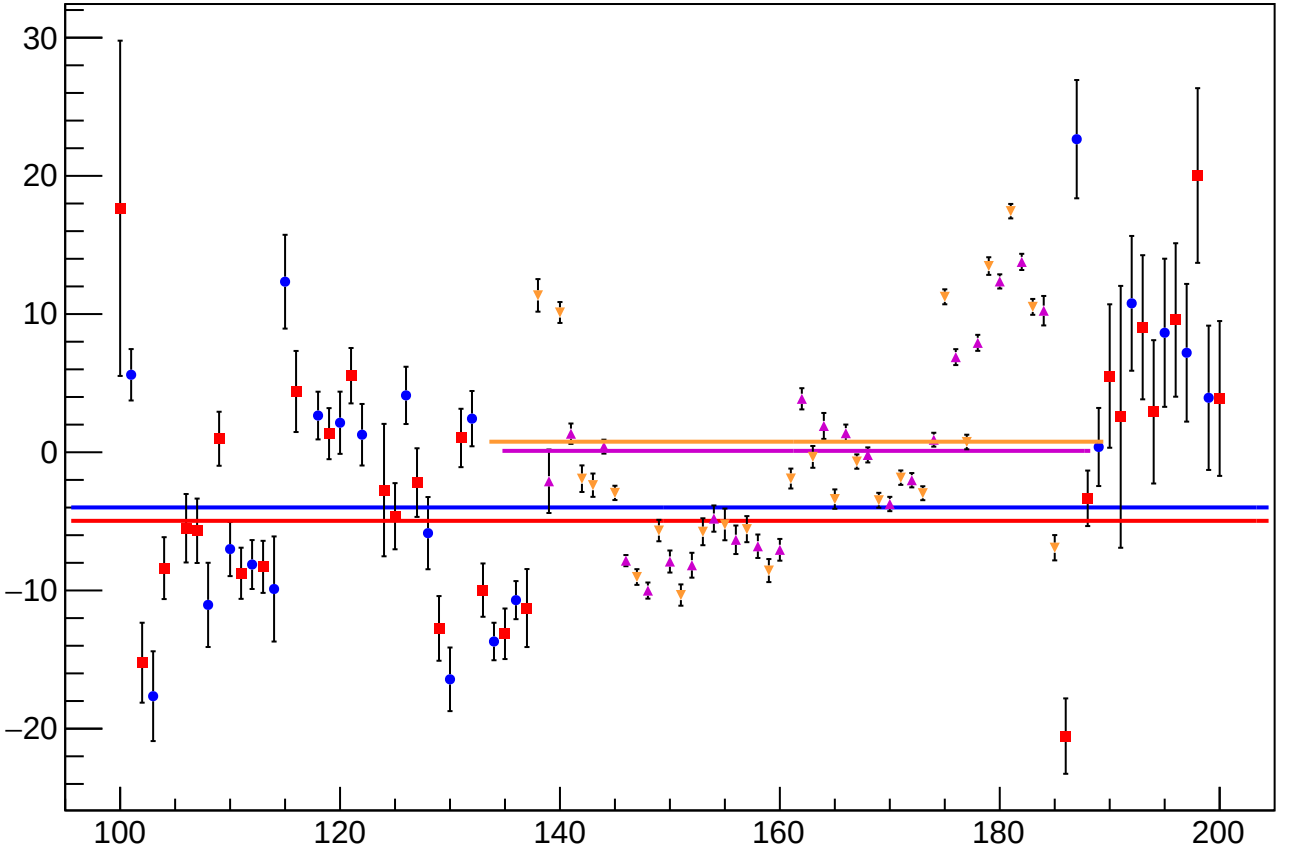
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.802+/-0.156 χ^2/NDF: 11363.7/46

All: -45.991+/-0.111 χ^2/NDF: 22847.8/97

- sign -45.171+/-0.157 χ^2/NDF: 11429.8/50

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.991+/-0.489 χ^2/NDF: 304.3/21

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.962+/-0.486 χ^2/NDF: 209.2/27

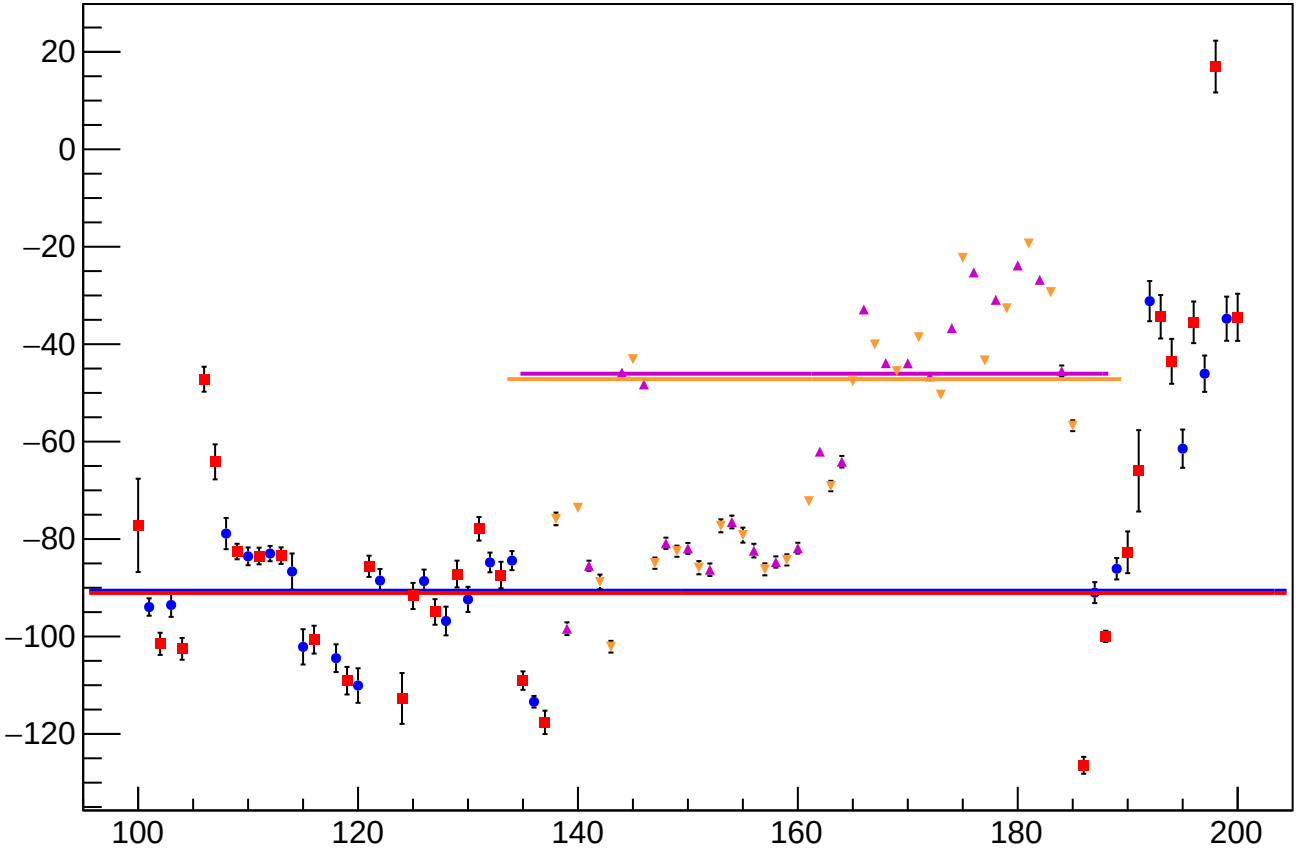
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.441+/-0.128 χ^2/NDF: 3859.8/46

All: 0.096+/-0.090 χ^2/NDF: 6906.6/97

- sign -0.251+/-0.128 χ^2/NDF: 3032.2/50

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -90.605+/-0.492 χ^2/NDF: 1071.7/21

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -91.060+/-0.458 χ^2/NDF: 2264.2/27

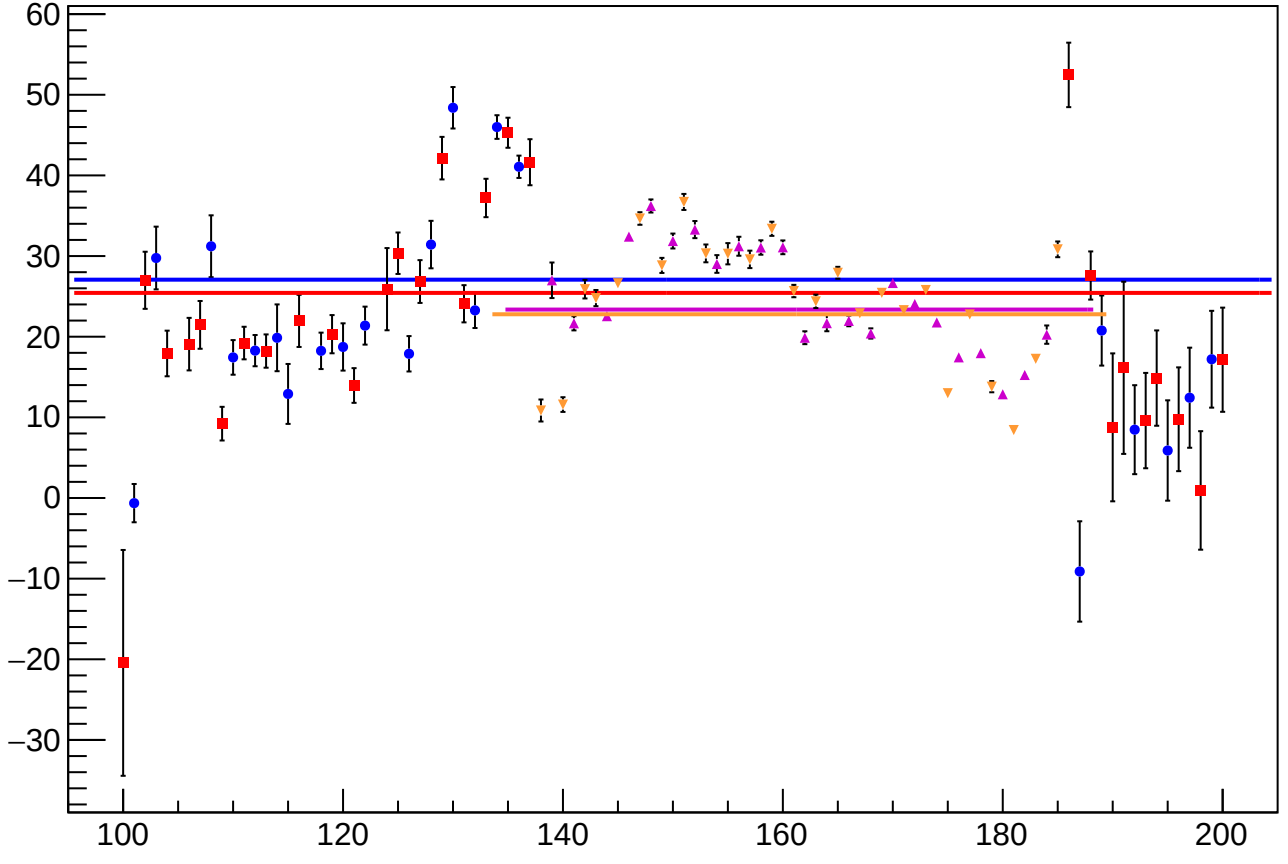
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.687+/-0.159 χ^2/NDF: 25723.7/46

All: -51.602+/-0.112 χ^2/NDF: 51240.6/97

- sign -51.516+/-0.160 χ^2/NDF: 25516.3/50

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.071+/-0.552 χ^2/NDF: 653.3/21

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.431+/-0.560 χ^2/NDF: 434.0/27

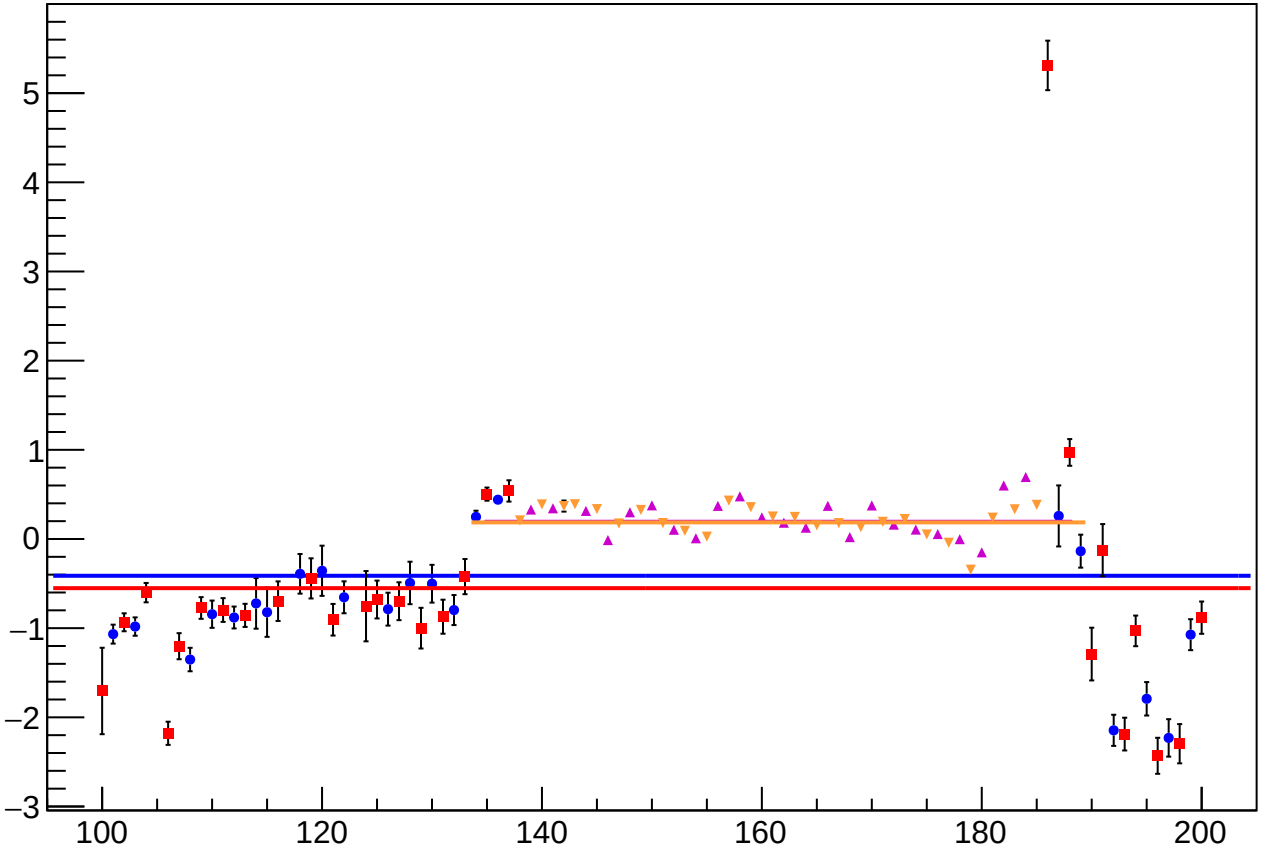
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.067+/-0.142 χ^2/NDF: 3122.6/46

All: 23.282+/-0.101 χ^2/NDF: 5359.3/97

- sign 23.502+/-0.144 χ^2/NDF: 2232.1/50

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.413+/-0.029 χ^2/NDF: 723.6/21

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.551+/-0.030 χ^2/NDF: 1308.4/27

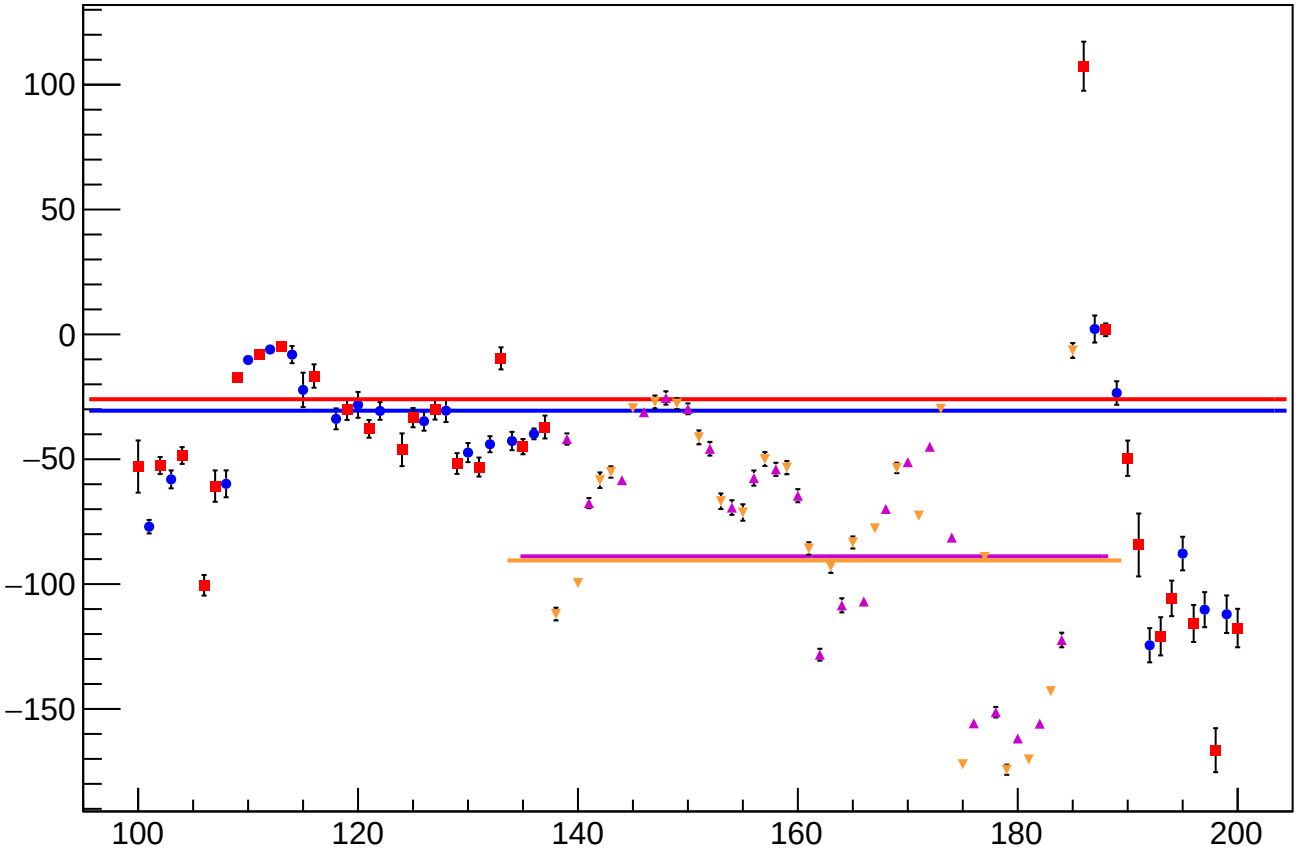
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.156+/-0.006 χ^2/NDF: 1784.8/46

All: 0.157+/-0.005 χ^2/NDF: 4636.1/97

- sign 0.157+/-0.007 χ^2/NDF: 2851.3/50

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -30.556+/-0.699 χ^2/NDF: 1452.6/21

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -25.967+/-0.626 χ^2/NDF: 2152.5/27

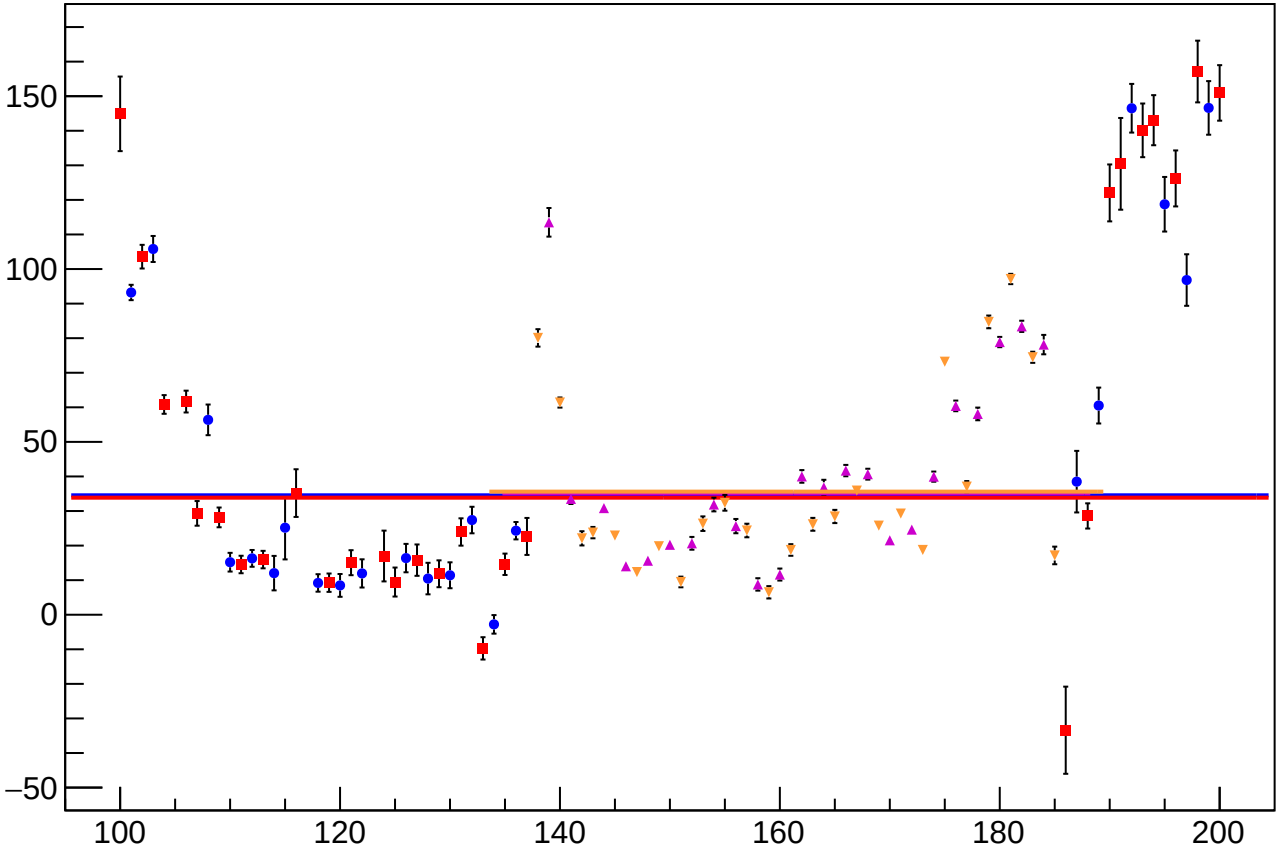
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.536+/-0.361 χ^2/NDF: 22217.7/46

All: -71.453+/-0.254 χ^2/NDF: 43146.8/97

- sign -68.436+/-0.357 χ^2/NDF: 20784.6/50

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 34.549+/-0.777 χ^2/NDF: 2373.7/21

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 33.861+/-0.755 χ^2/NDF: 2390.3/27

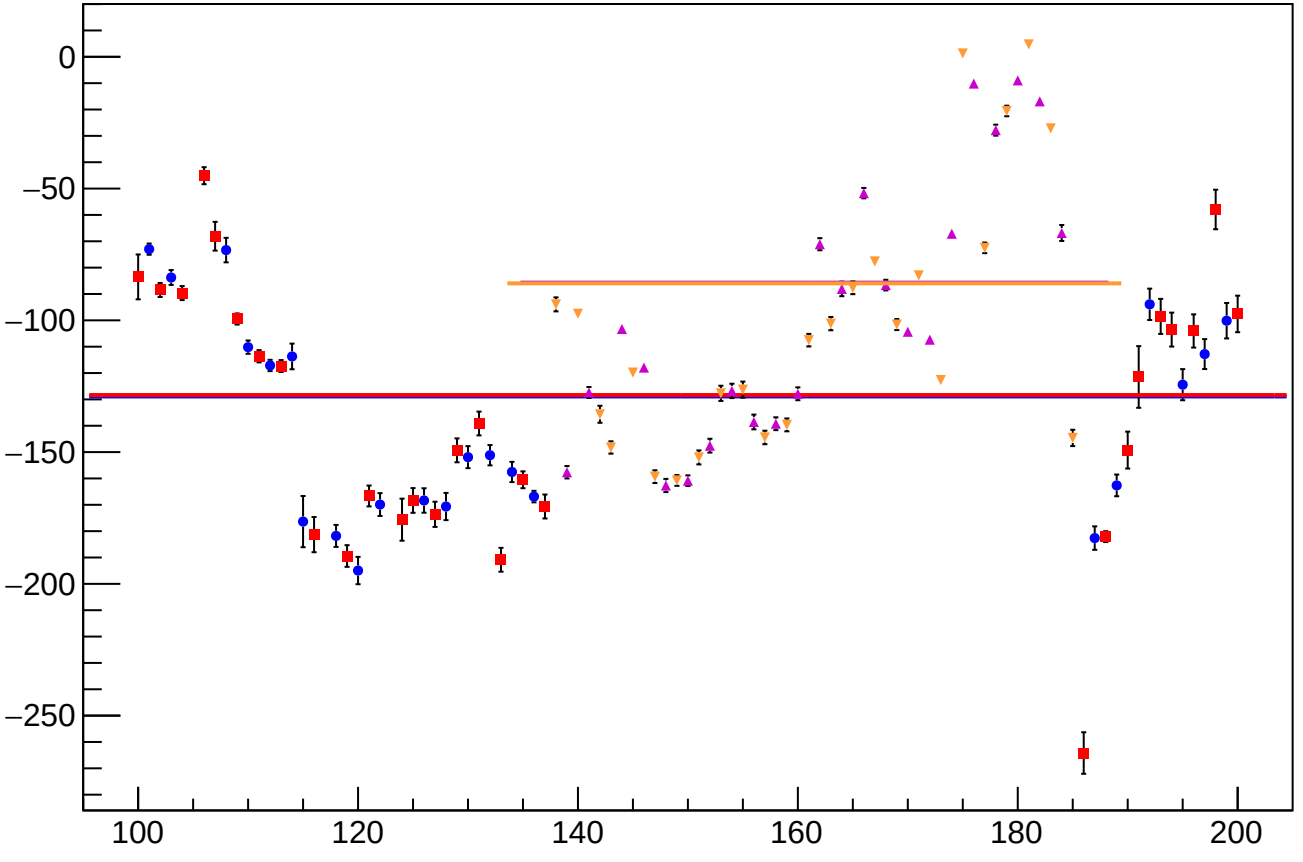
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.453+/-0.300 χ^2/NDF: 8348.3/46

All: 35.185+/-0.215 χ^2/NDF: 14887.0/97

- sign 34.905+/-0.307 χ^2/NDF: 6537.1/50

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.881+/-0.773 χ^2/NDF: 2456.7/21

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.349+/-0.714 χ^2/NDF: 3622.7/27

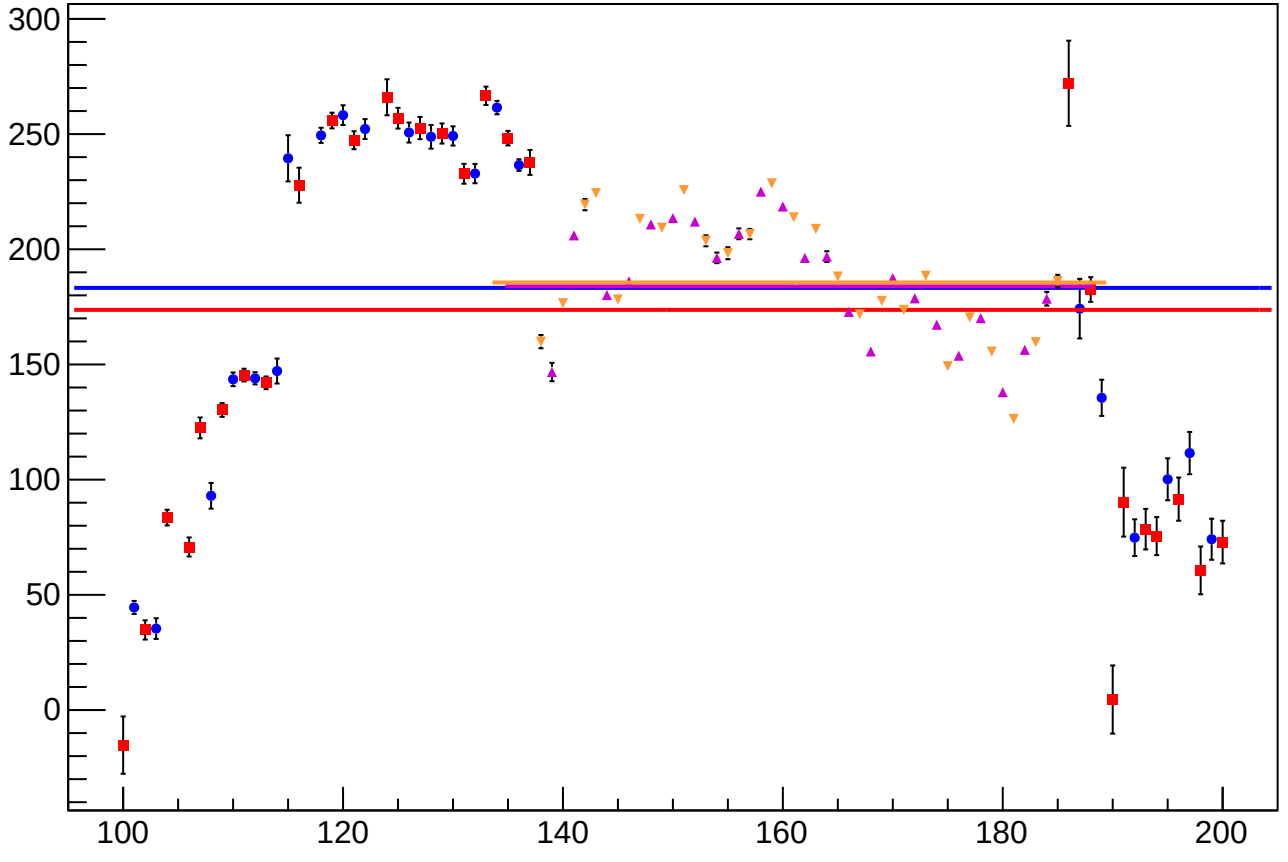
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.778+/-0.370 χ^2/NDF: 21066.2/46

All: -96.463+/-0.261 χ^2/NDF: 41063.5/97

- sign -97.148+/-0.370 χ^2/NDF: 19990.5/50

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.249+/-0.891 χ^2/NDF: 7663.5/21

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 173.708+/-0.871 χ^2/NDF: 7467.9/27

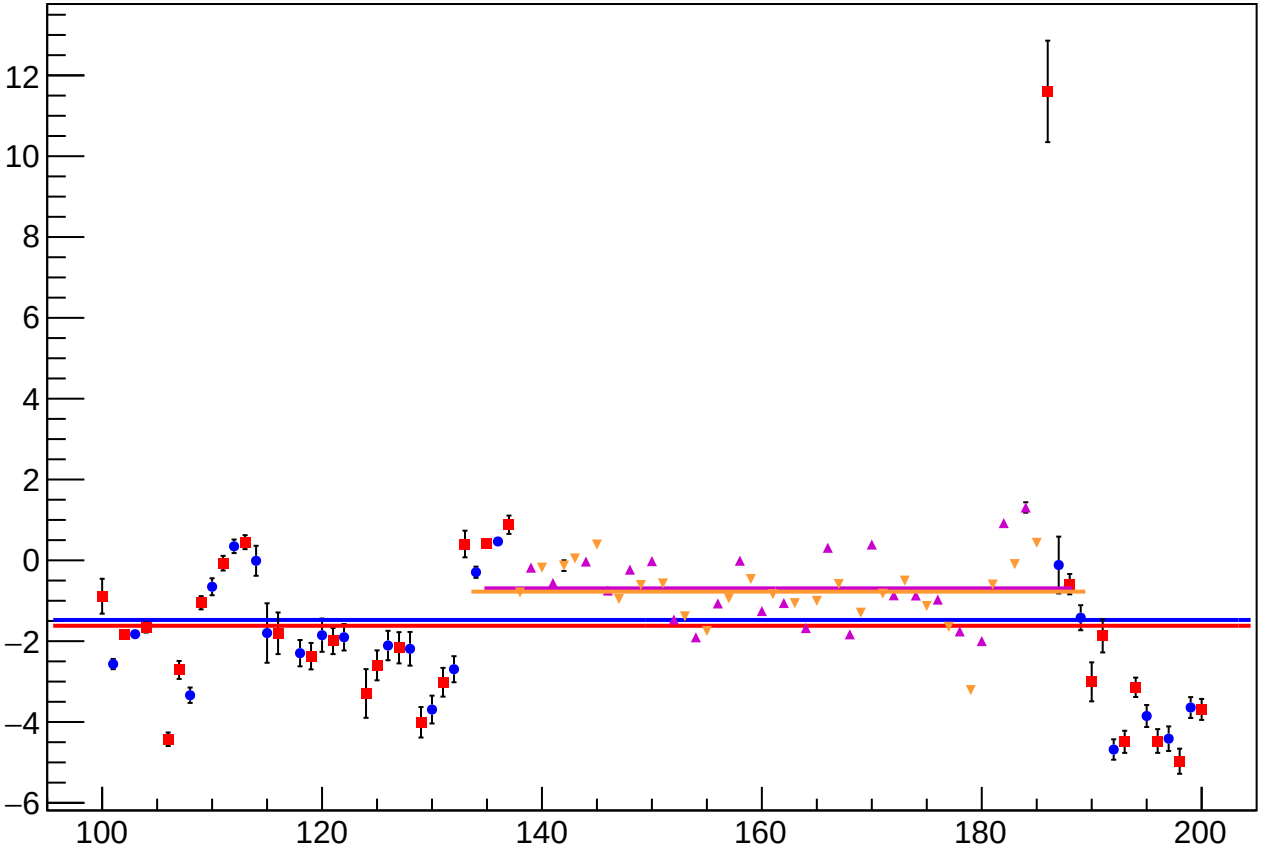
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.245+/-0.339 χ^2/NDF: 13024.1/46

All: 183.813+/-0.242 χ^2/NDF: 24518.2/97

- sign 182.319+/-0.346 χ^2/NDF: 11457.7/50

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.475+/-0.045 χ^2/NDF: 1240.7/21

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.619+/-0.043 χ^2/NDF: 1607.2/27

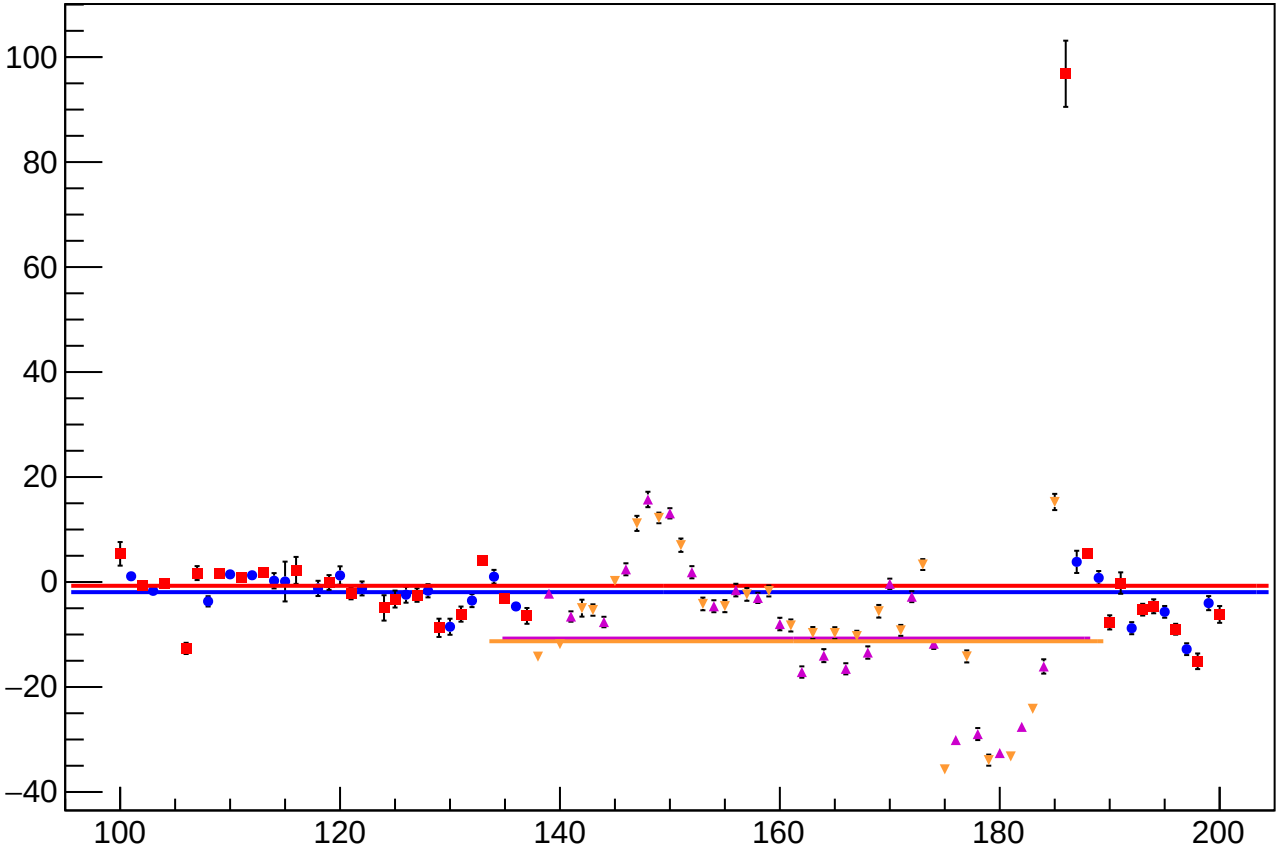
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.858+/-0.015 χ^2/NDF: 3280.6/46

All: -0.837+/-0.011 χ^2/NDF: 7857.0/97

- sign -0.815+/-0.016 χ^2/NDF: 4572.7/50

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.931+/-0.228 χ^2/NDF: 272.5/21

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.719+/-0.194 χ^2/NDF: 845.0/27

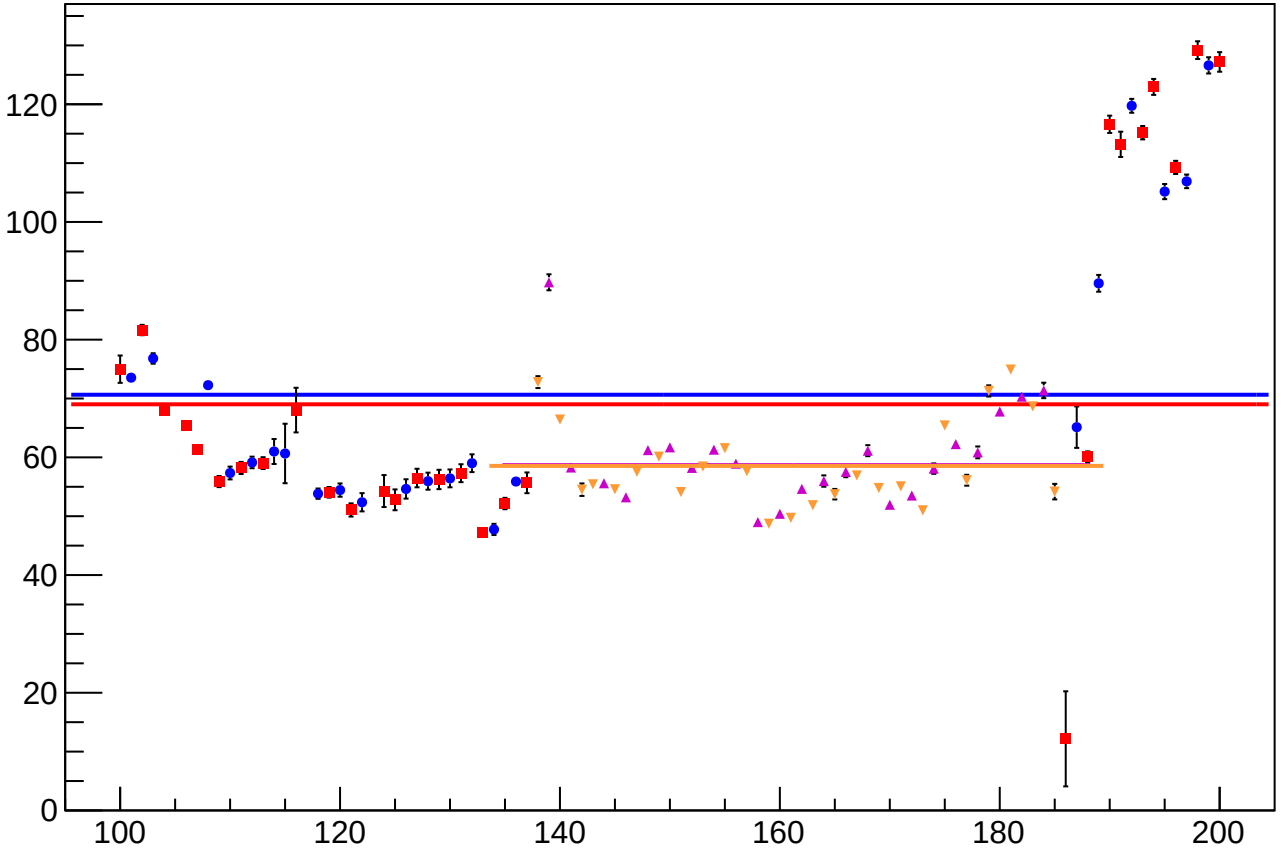
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.026+/-0.154 χ^2/NDF: 5693.3/46

All: -6.090+/-0.105 χ^2/NDF: 11523.1/97

- sign -5.271+/-0.144 χ^2/NDF: 5760.1/50

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 70.641+/-0.240 χ^2/NDF: 7591.3/21

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 69.016+/-0.215 χ^2/NDF: 11988.3/27

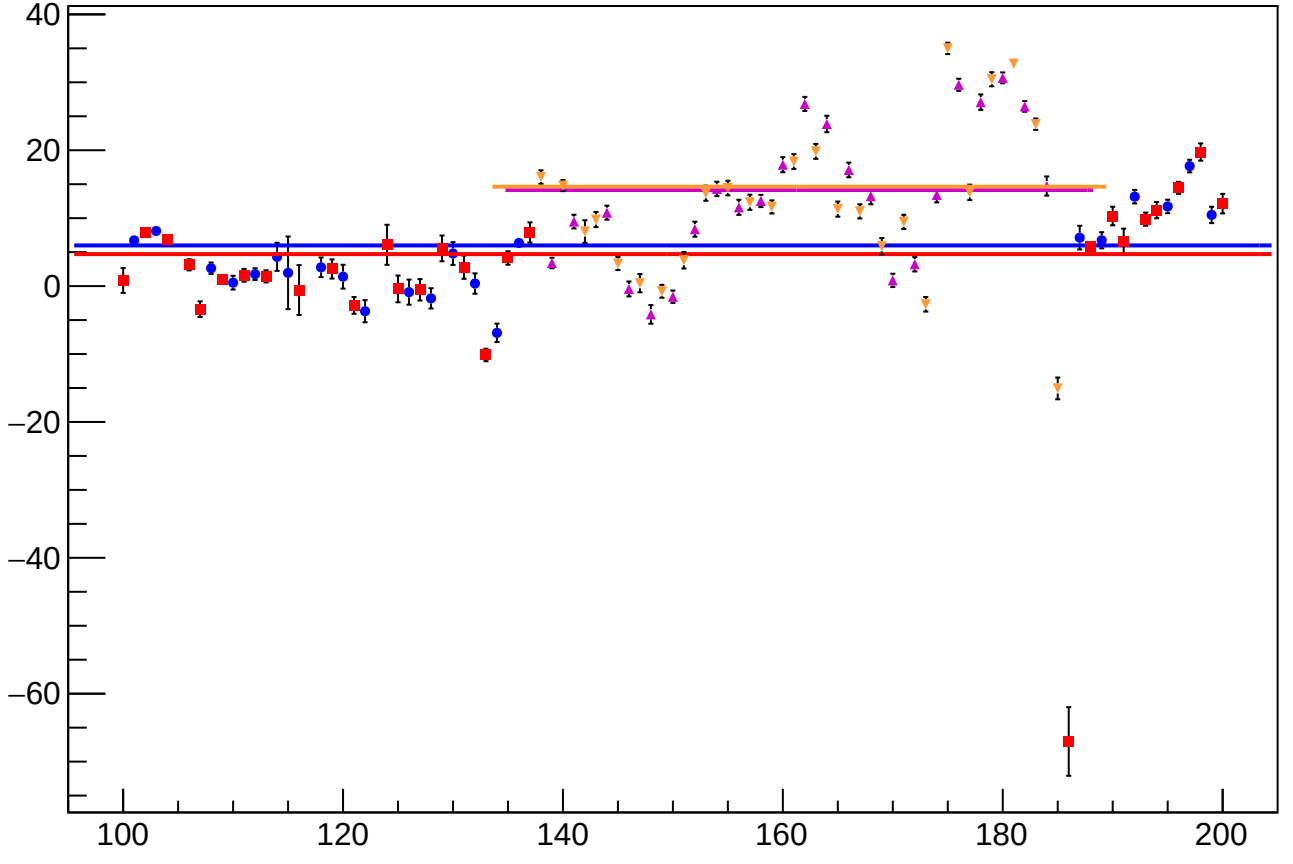
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 62.308+/-0.134 χ^2/NDF: 11243.1/46

All: 62.457+/-0.094 χ^2/NDF: 26278.5/97

- sign 62.603+/-0.133 χ^2/NDF: 15032.9/50

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.986+/-0.229 χ^2/NDF: 533.9/21

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.709+/-0.198 χ^2/NDF: 1041.0/27

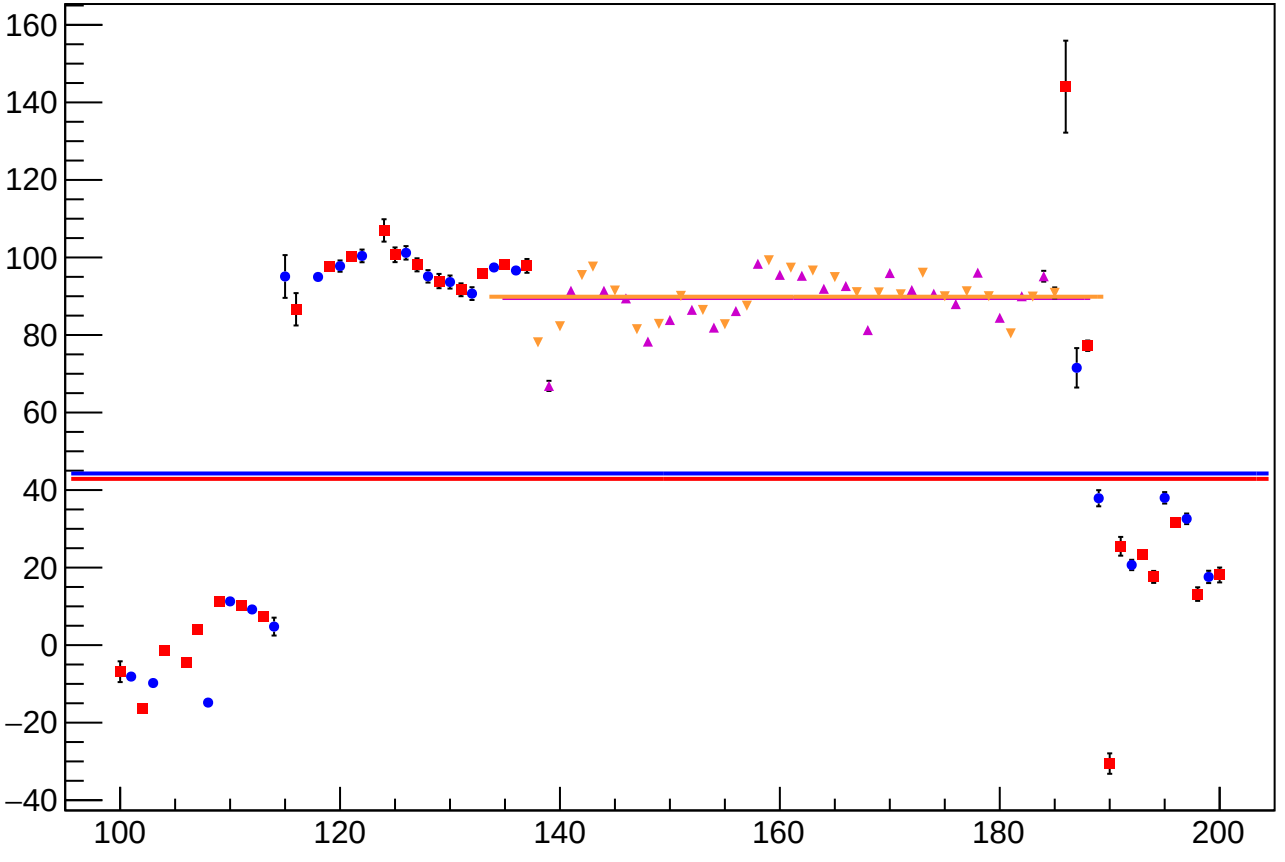
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.746+/-0.153 χ^2/NDF: 4283.1/46

All: 9.890+/-0.105 χ^2/NDF: 8985.0/97

- sign 9.128+/-0.145 χ^2/NDF: 4643.0/50

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.276+/-0.280 χ^2/NDF: 27716.8/21

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.886+/-0.254 χ^2/NDF: 31604.3/27

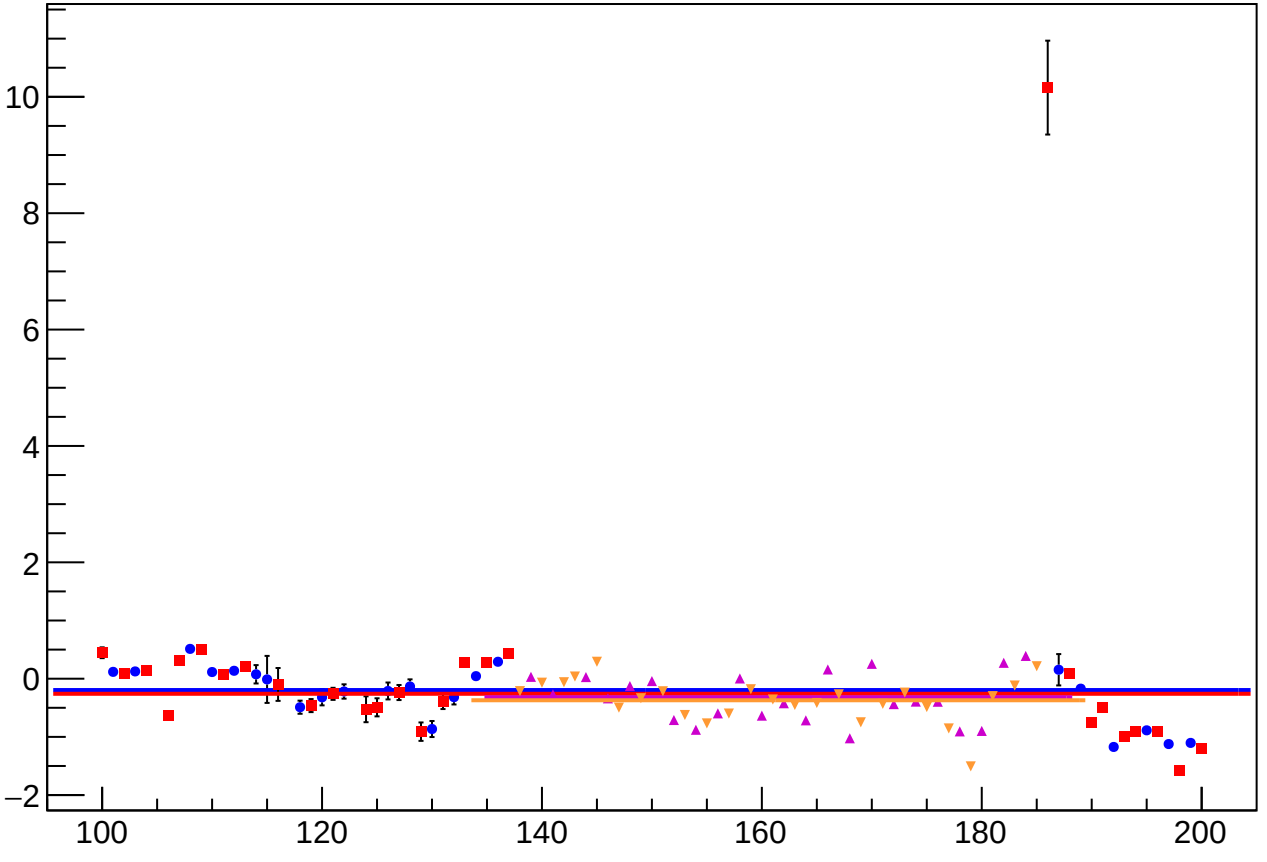
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 76.431+/-0.152 χ^2/NDF: 47489.1/46

All: 74.758+/-0.107 χ^2/NDF: 102228.2/97

- sign 73.109+/-0.151 χ^2/NDF: 54498.6/50

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.195+/-0.012 χ^2/NDF: 2585.3/21

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.259+/-0.011 χ^2/NDF: 3282.8/27

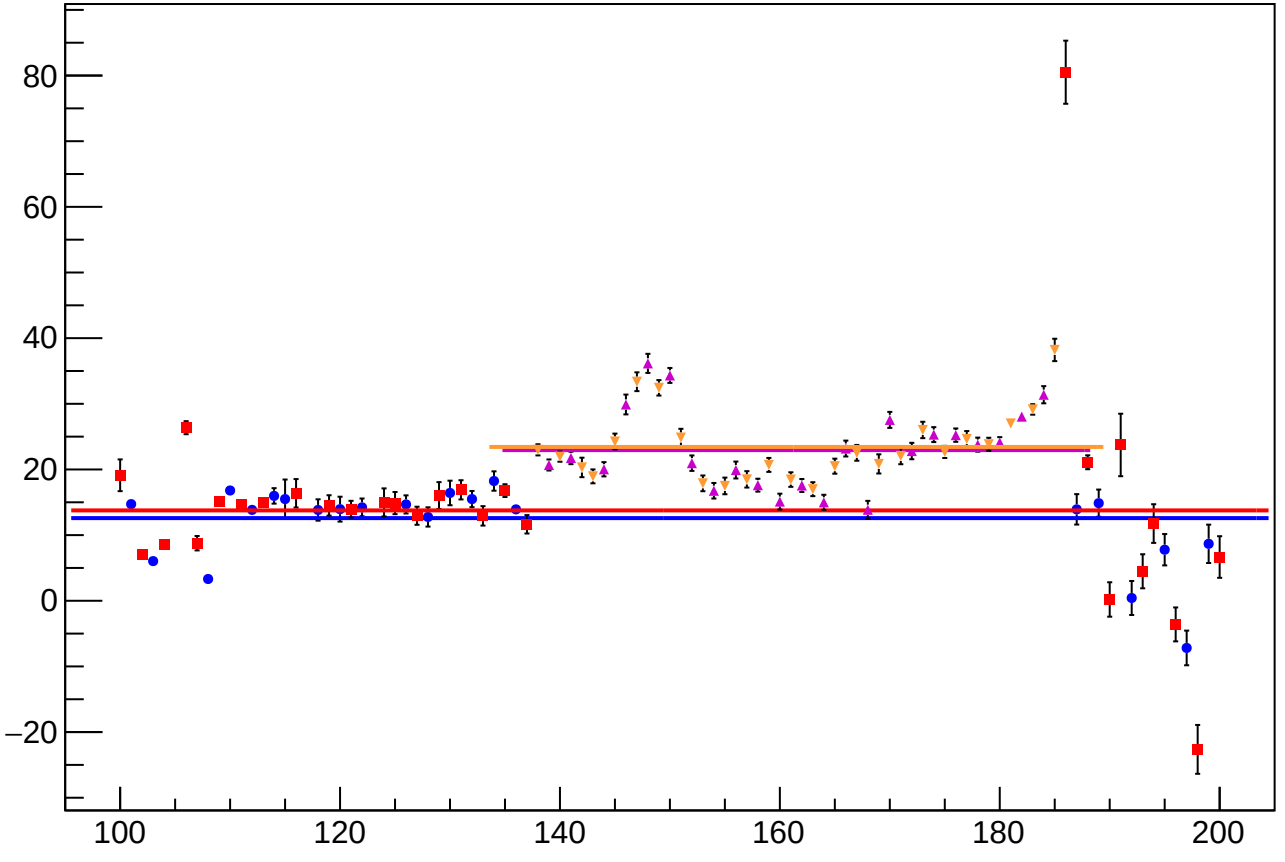
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.314+/-0.007 χ^2/NDF: 4508.2/46

All: -0.306+/-0.005 χ^2/NDF: 10255.2/97

- sign -0.298+/-0.006 χ^2/NDF: 5743.8/50

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.590+/-0.209 χ^2/NDF: 474.8/21

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.764+/-0.197 χ^2/NDF: 835.1/27

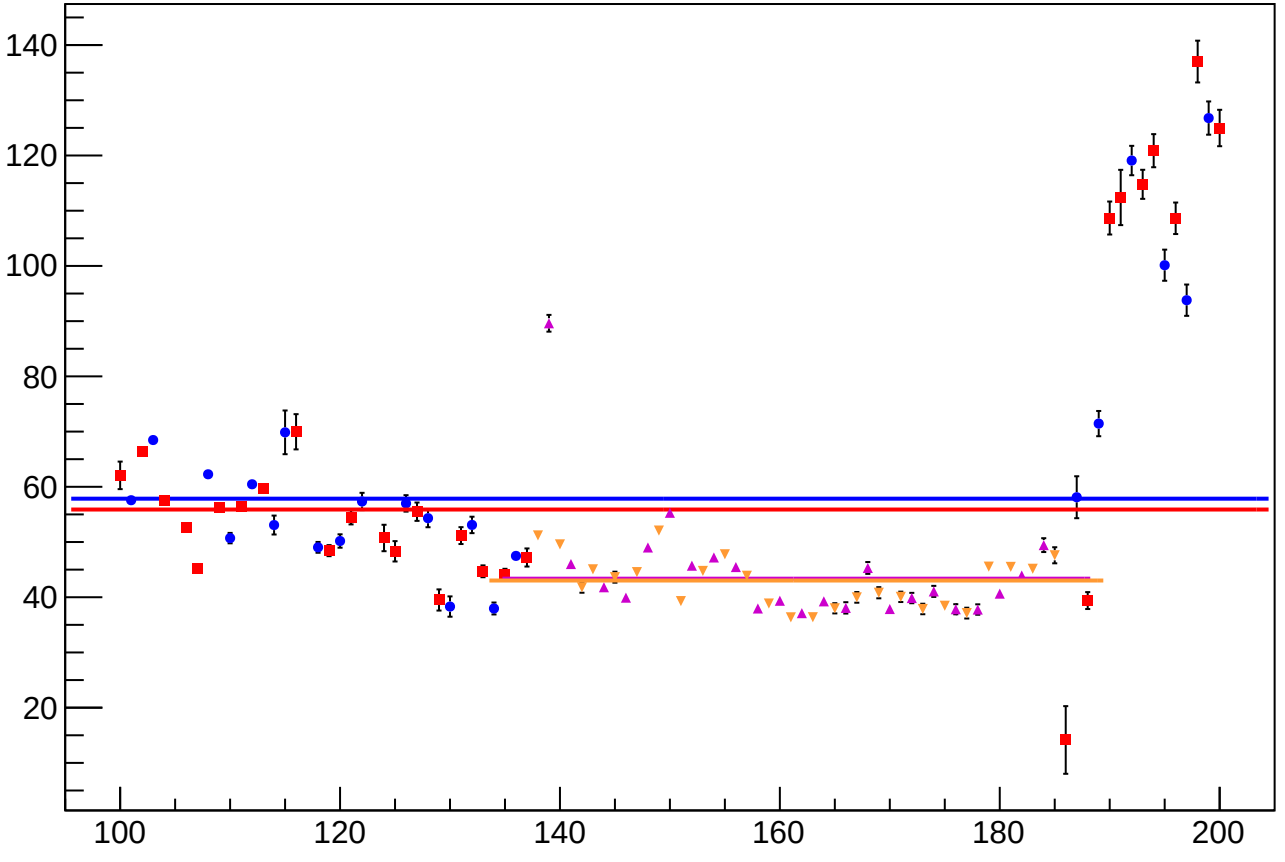
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.843+/-0.150 χ^2/NDF: 2202.8/46

All: 17.795+/-0.106 χ^2/NDF: 4543.9/97

- sign 17.748+/-0.148 χ^2/NDF: 2340.9/50

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.849+/-0.218 χ^2/NDF: 2603.5/21

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.884+/-0.218 χ^2/NDF: 3879.7/27

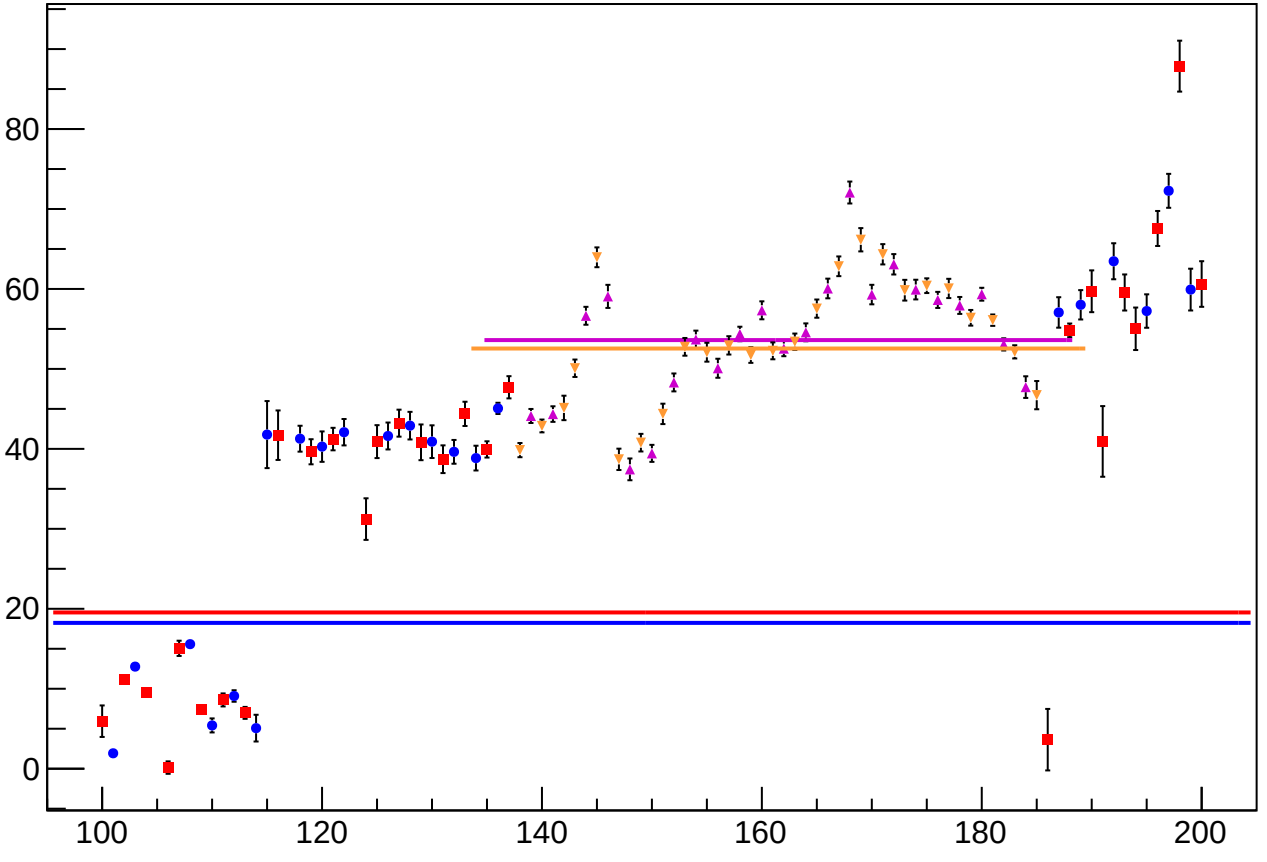
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.529+/-0.133 χ^2/NDF: 6296.7/46

All: 48.433+/-0.095 χ^2/NDF: 13845.6/97

- sign 48.330+/-0.138 χ^2/NDF: 7547.8/50

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 18.238+/-0.208 χ^2/NDF: 7871.7/21

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.542+/-0.207 χ^2/NDF: 7875.8/27

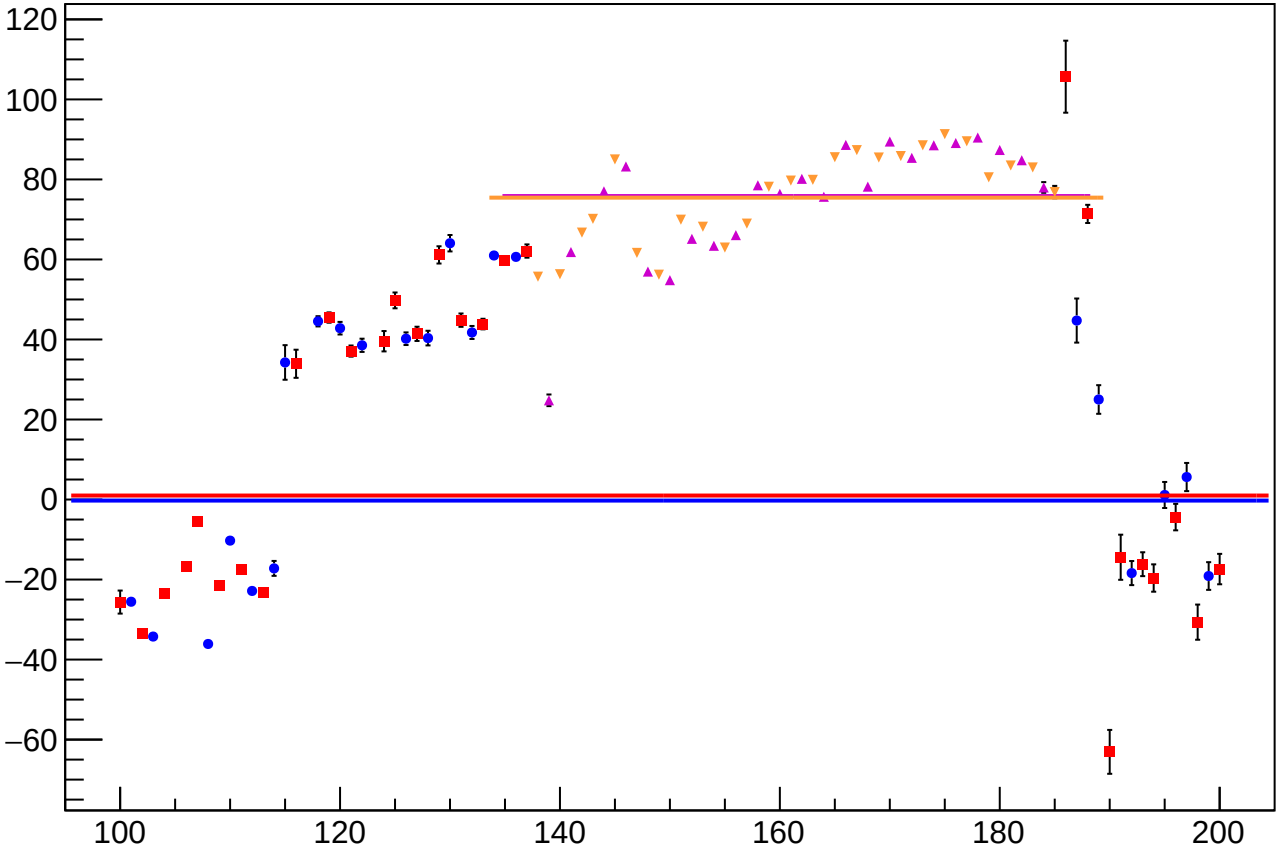
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.826+/-0.149 χ^2/NDF: 22265.7/46

All: 35.086+/-0.106 χ^2/NDF: 43675.6/97

- sign 35.355+/-0.152 χ^2/NDF: 21403.8/50

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.263+/-0.257 χ^2/NDF: 21216.3/21

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.996+/-0.258 χ^2/NDF: 17417.1/27

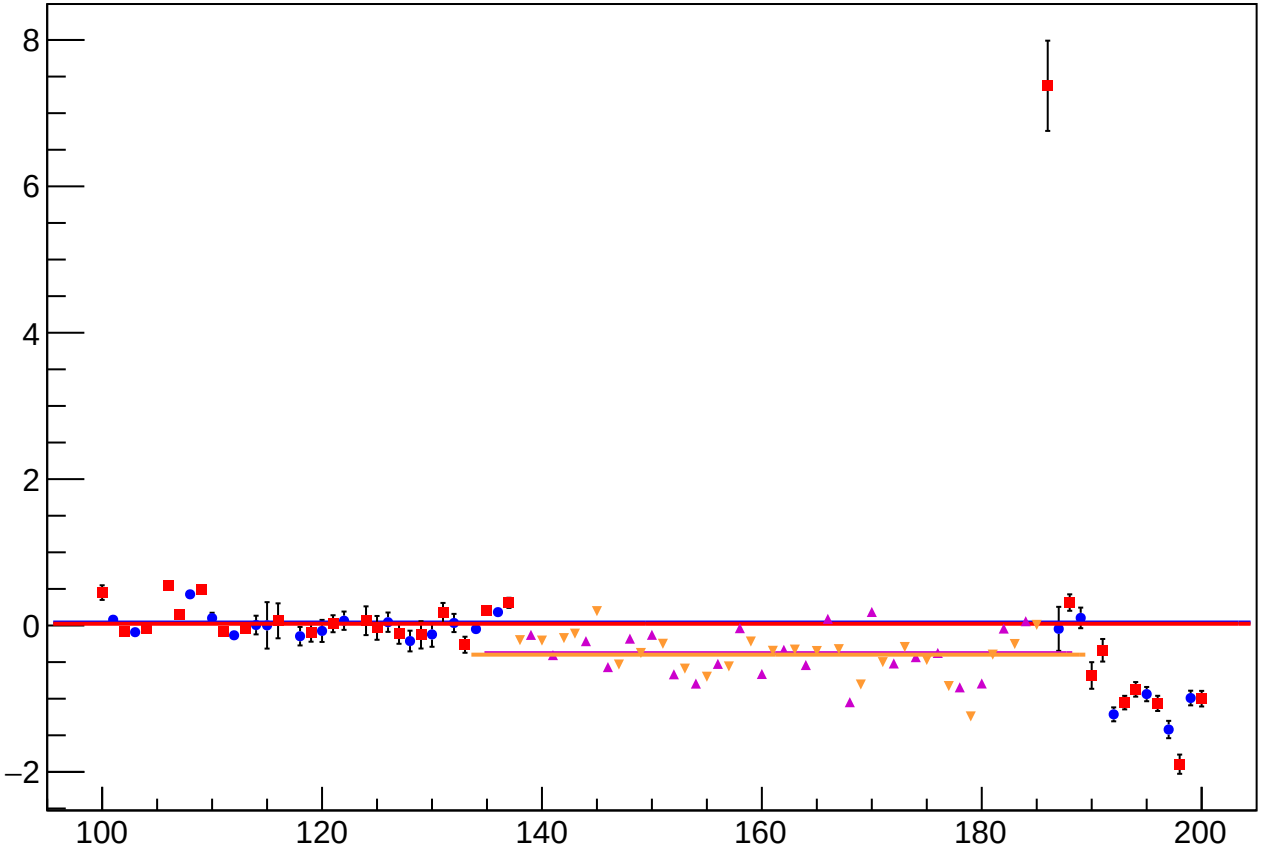
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.023+/-0.152 χ^2/NDF: 81086.3/46

All: 48.612+/-0.109 χ^2/NDF: 156006.4/97

- sign 48.176+/-0.157 χ^2/NDF: 74905.0/50

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.011 χ^2/NDF: 857.1/21

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.024+/-0.011 χ^2/NDF: 1235.6/27

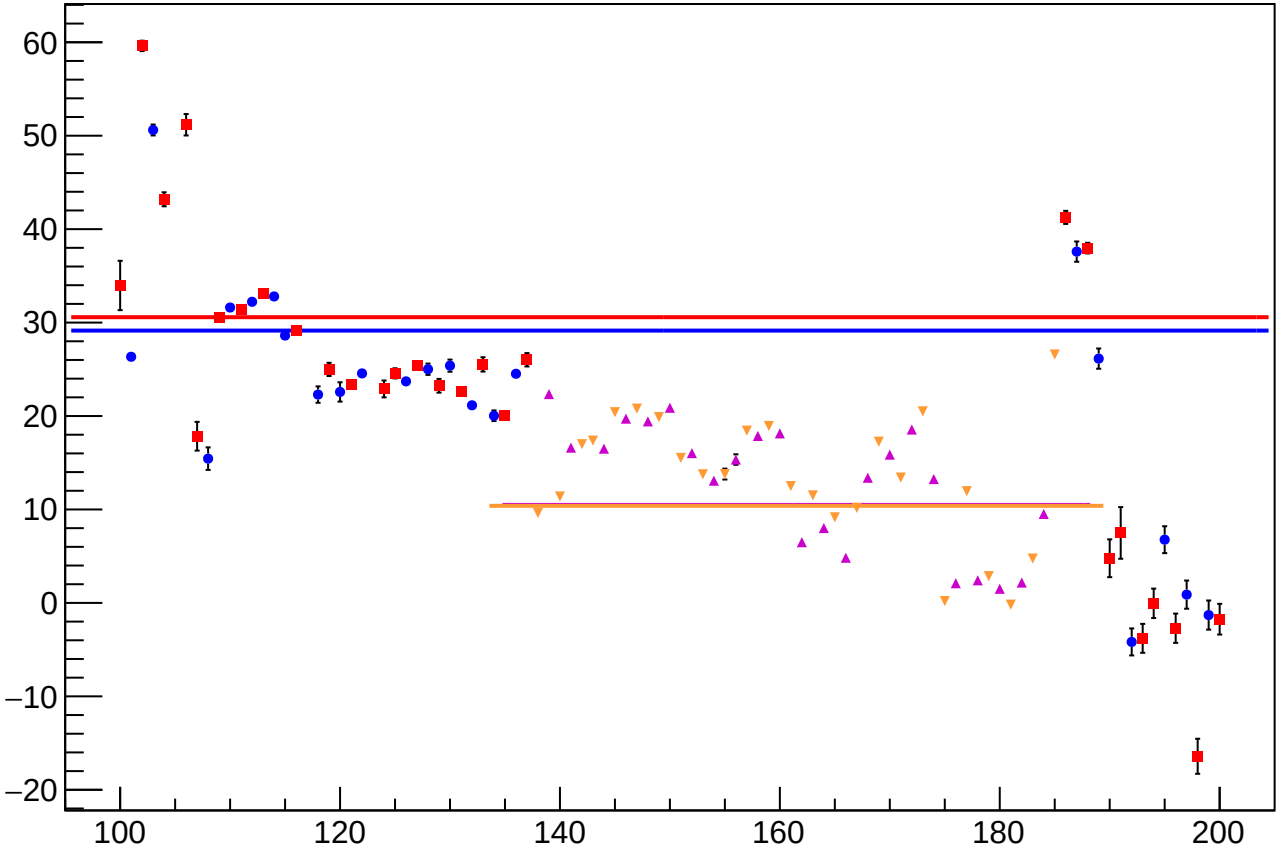
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.235+/-0.007 χ^2/NDF: 2903.7/46

All: -0.230+/-0.005 χ^2/NDF: 6322.5/97

- sign -0.225+/-0.007 χ^2/NDF: 3417.7/50

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.143+/-0.091 χ^2/NDF: 4965.3/21

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.578+/-0.078 χ^2/NDF: 8054.8/27

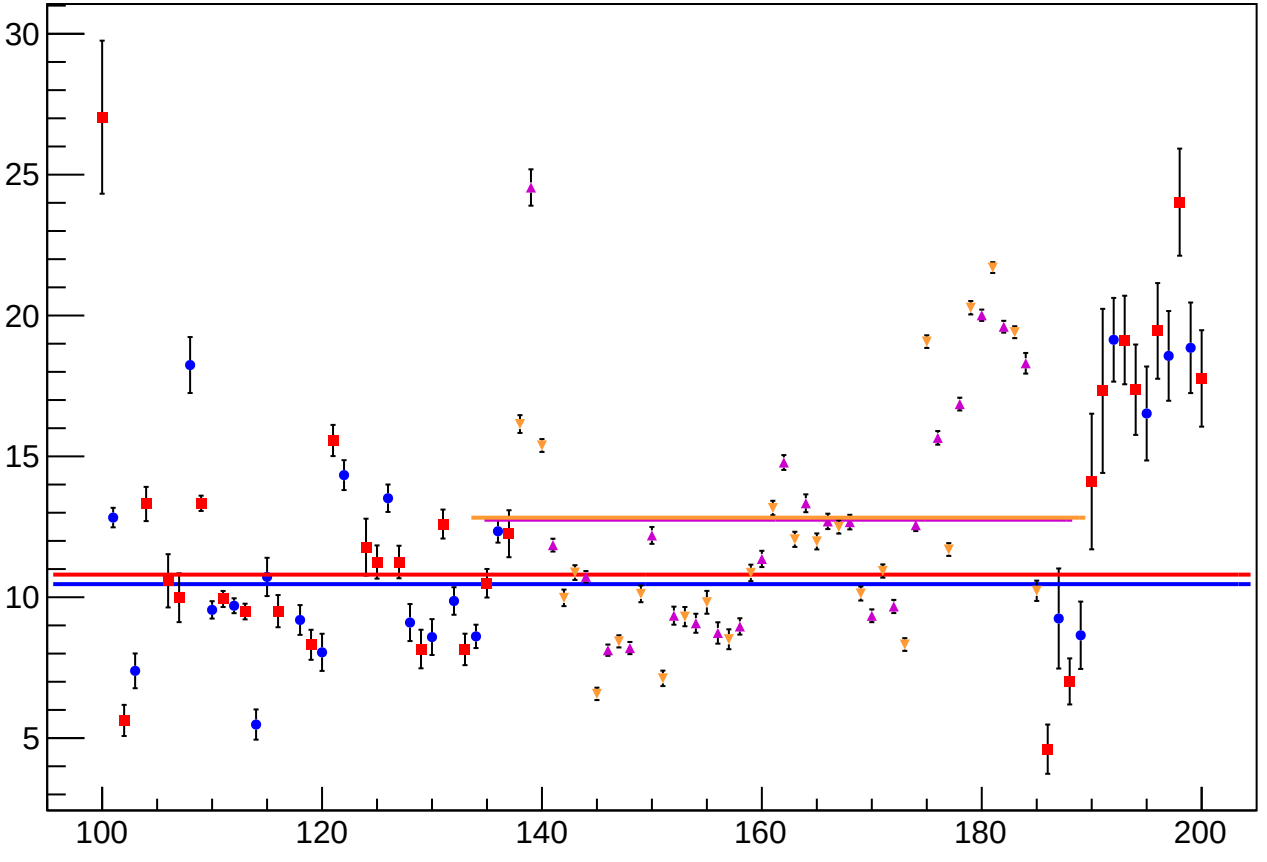
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.647+/-0.052 χ^2/NDF: 47296.5/46

All: 17.831+/-0.036 χ^2/NDF: 105941.2/97

- sign 18.946+/-0.051 χ^2/NDF: 57651.8/50

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.465+/-0.112 χ^2/NDF: 507.3/21

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.803+/-0.110 χ^2/NDF: 630.2/27

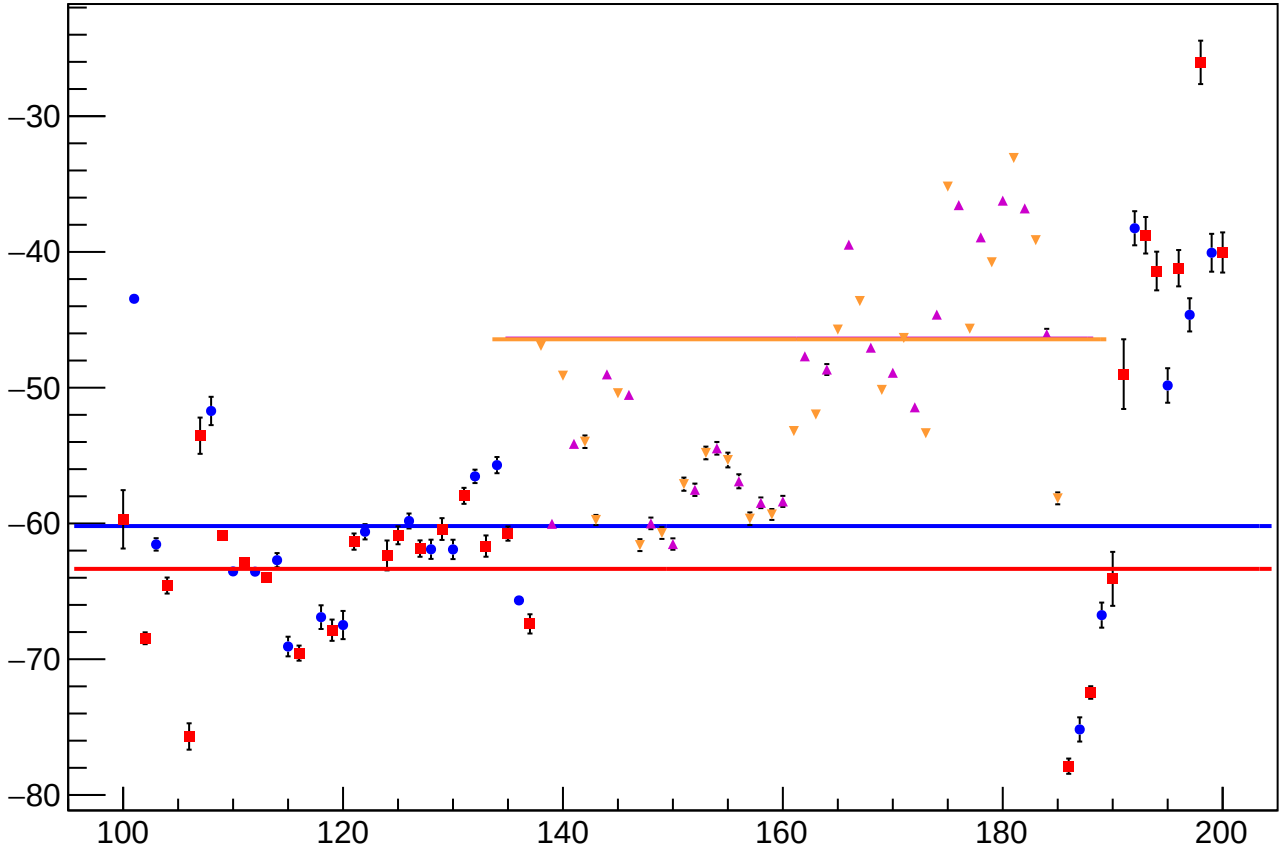
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.419+/-0.046 χ^2/NDF: 8890.8/46

All: 12.402+/-0.033 χ^2/NDF: 15280.5/97

- sign 12.383+/-0.048 χ^2/NDF: 6389.4/50

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.192+/-0.110 χ^2/NDF: 4674.4/21

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.346+/-0.101 χ^2/NDF: 3578.1/27

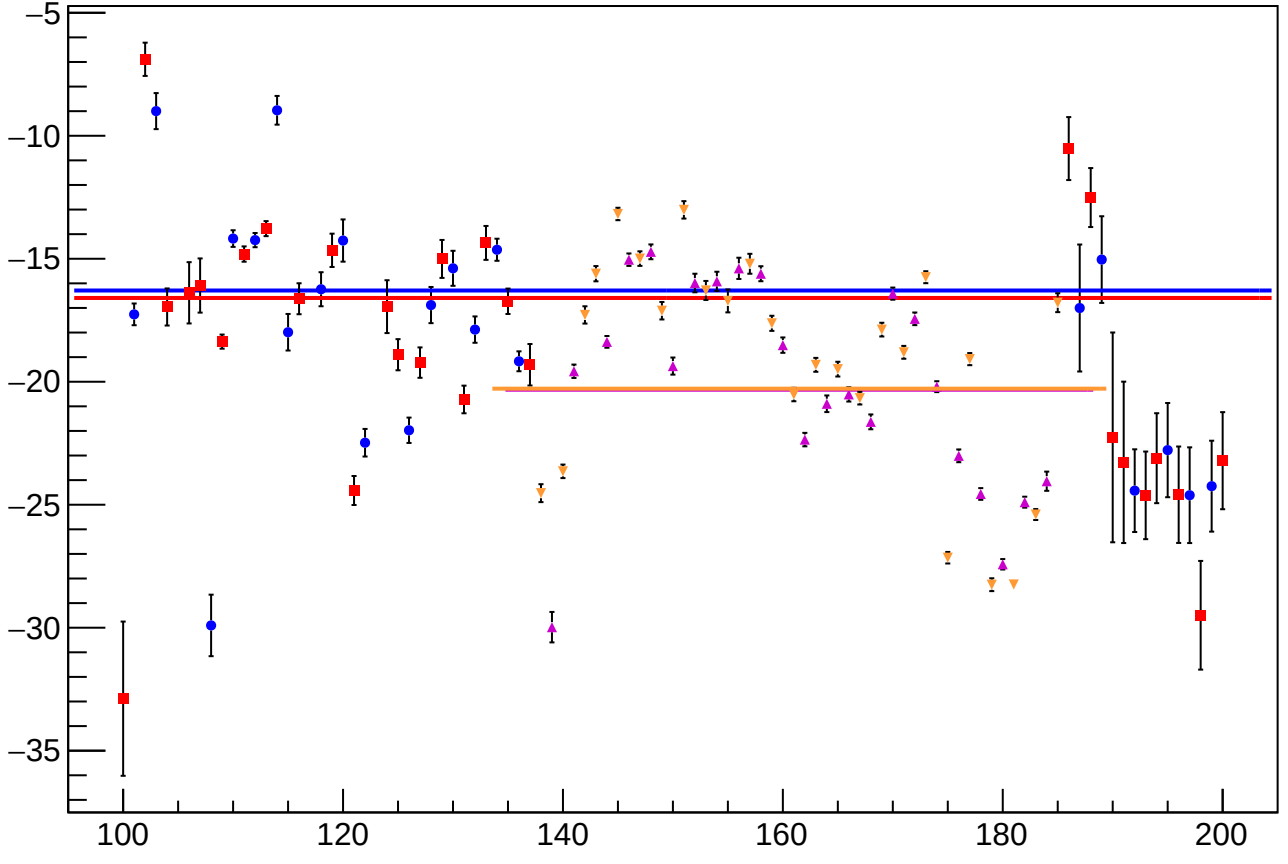
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.965+/-0.056 χ^2/NDF: 34545.5/46

All: -50.745+/-0.039 χ^2/NDF: 73169.0/97

- sign -51.531+/-0.056 χ^2/NDF: 38227.9/50

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.291+/-0.125 χ^2/NDF: 870.7/21

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.594+/-0.122 χ^2/NDF: 820.1/27

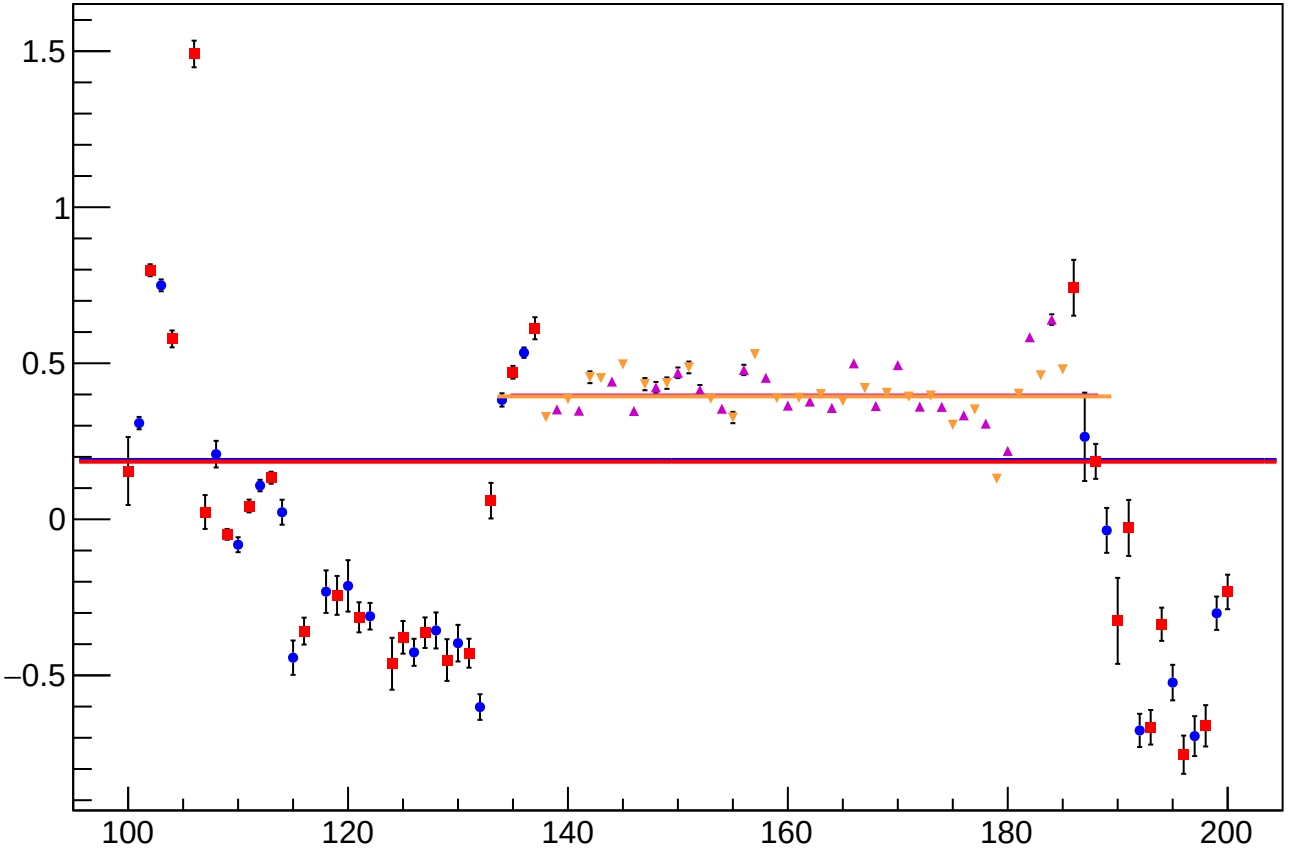
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.597+/-0.052 χ^2/NDF: 8728.0/46

All: -19.606+/-0.037 χ^2/NDF: 14577.9/97

- sign -19.616+/-0.053 χ^2/NDF: 5849.8/50

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.190+/-0.007 χ^2/NDF: 3386.6/21

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.185+/-0.007 χ^2/NDF: 4493.7/27

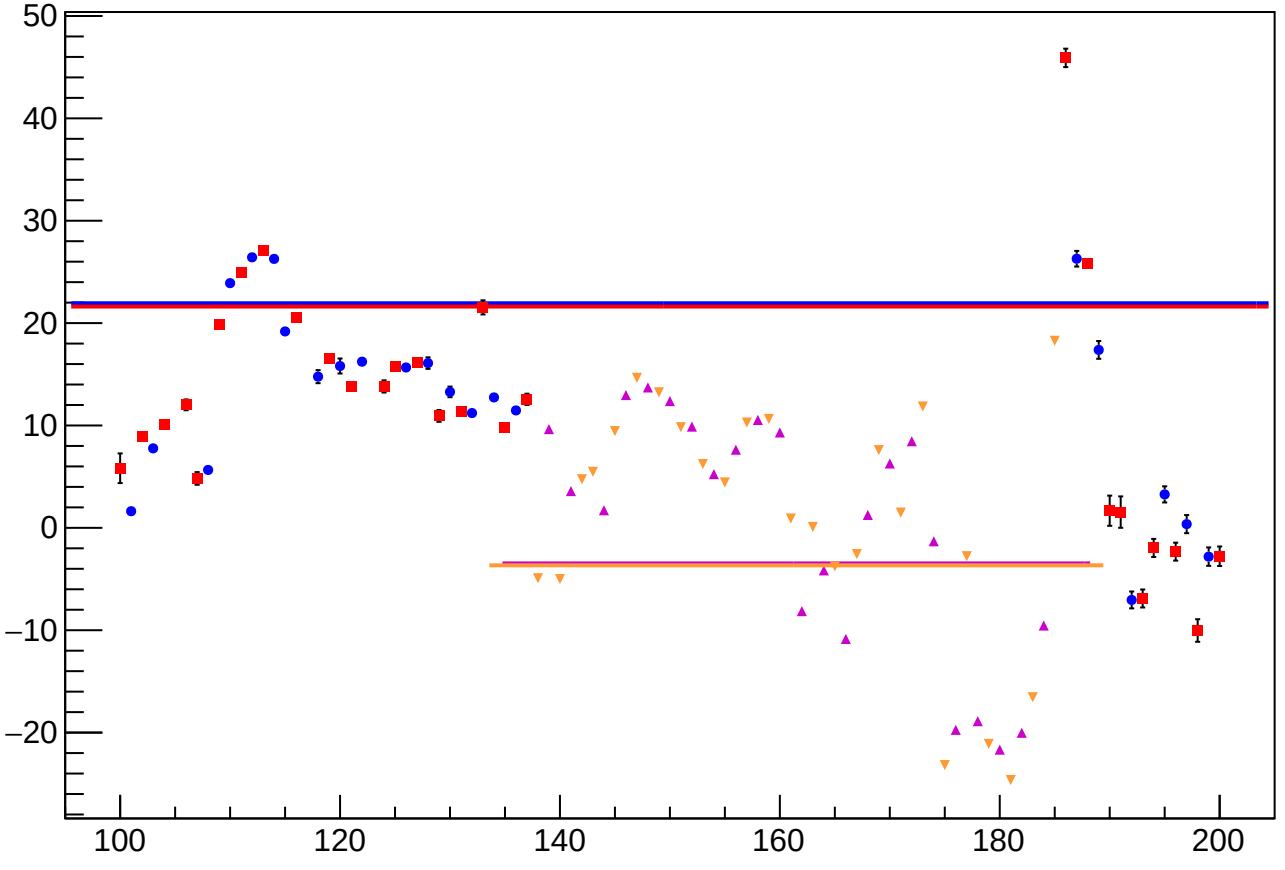
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.369+/-0.002 χ^2/NDF: 5116.3/46

All: 0.369+/-0.002 χ^2/NDF: 11764.7/97

- sign 0.369+/-0.002 χ^2/NDF: 6648.4/50

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.937+/-0.056 χ^2/NDF: 15595.8/21

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.616+/-0.046 χ^2/NDF: 15890.4/27

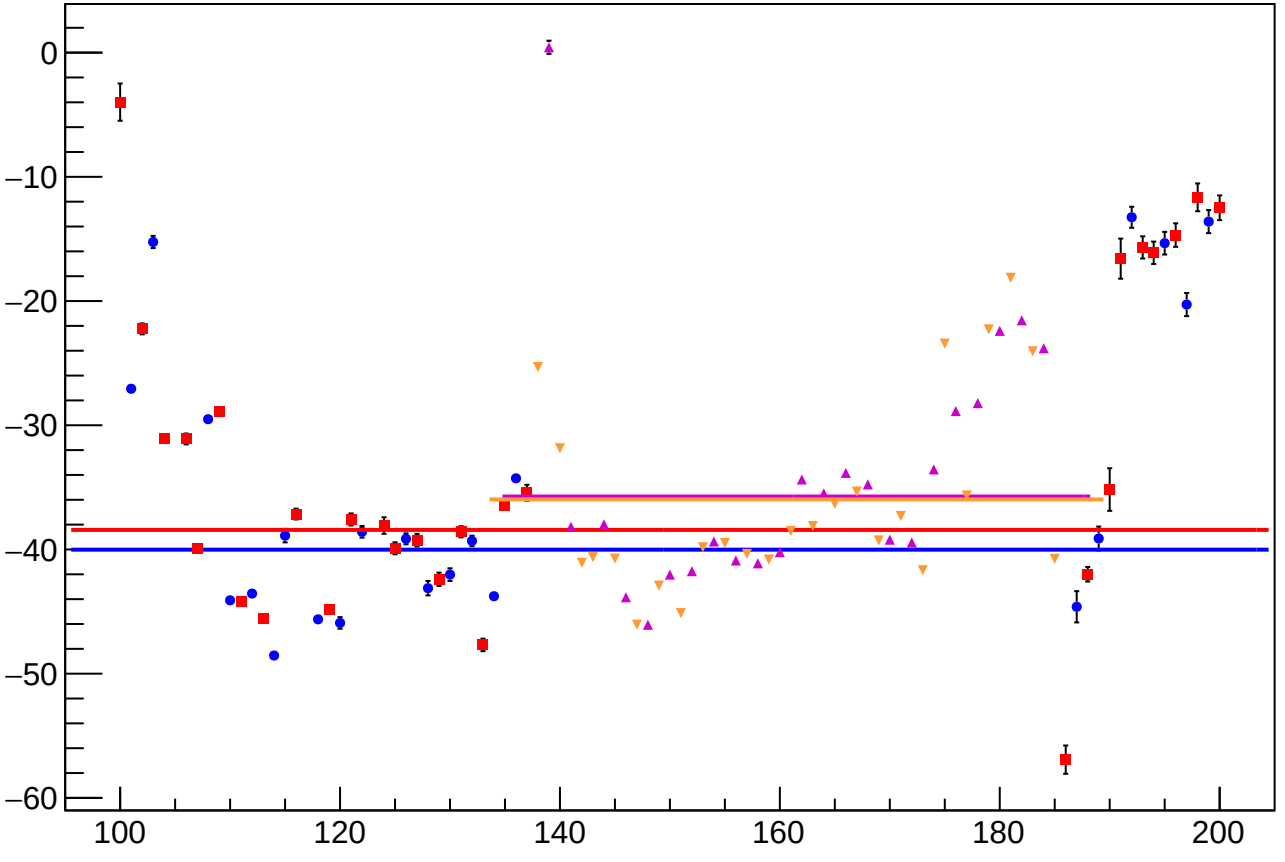
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.847+/-0.039 χ^2/NDF: 179972.5/46

All: 10.511+/-0.026 χ^2/NDF: 361394.4/97

- sign 11.906+/-0.036 χ^2/NDF: 178075.2/50

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.016+/-0.075 χ^2/NDF: 10867.3/21

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.425+/-0.069 χ^2/NDF: 13797.2/27

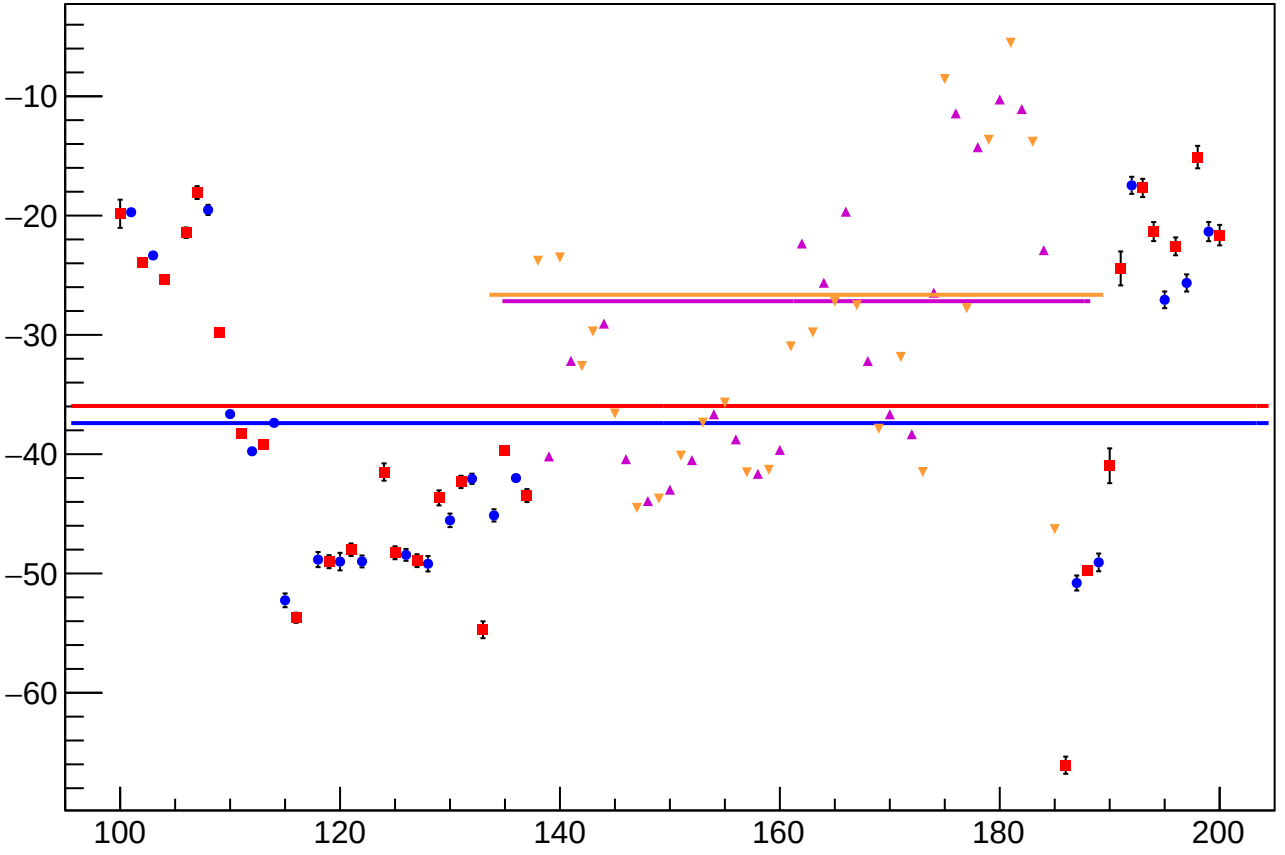
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.952+/-0.037 χ^2/NDF: 46675.5/46

All: -36.746+/-0.026 χ^2/NDF: 88748.8/97

- sign -36.532+/-0.038 χ^2/NDF: 42009.9/50

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.395+/-0.071 χ^2/NDF: 13223.5/21

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.959+/-0.062 χ^2/NDF: 18841.2/27

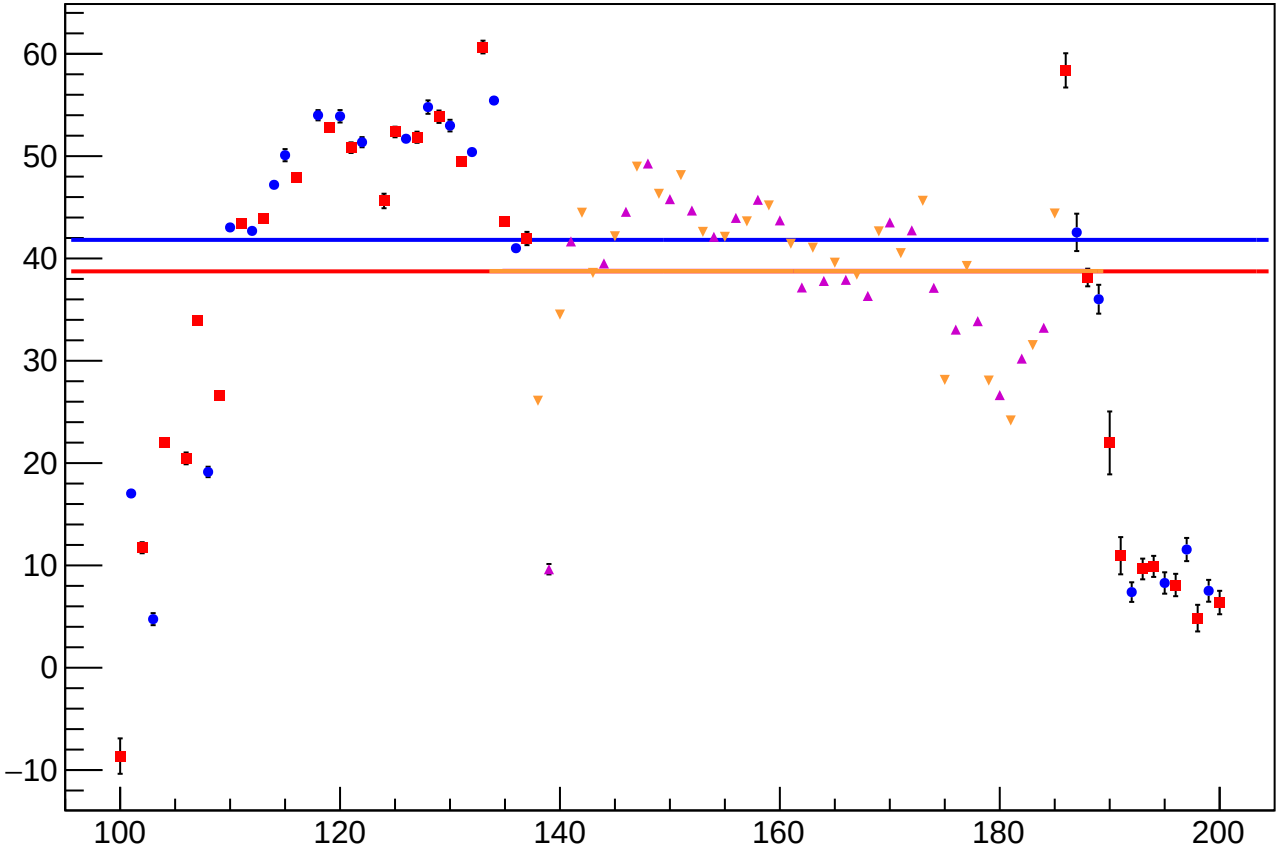
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.600+/-0.043 χ^2/NDF: 77575.5/46

All: -30.923+/-0.030 χ^2/NDF: 148375.4/97

- sign -31.226+/-0.042 χ^2/NDF: 70692.7/50

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.816+/-0.084 χ^2/NDF: 18962.1/21

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.739+/-0.077 χ^2/NDF: 22359.1/27

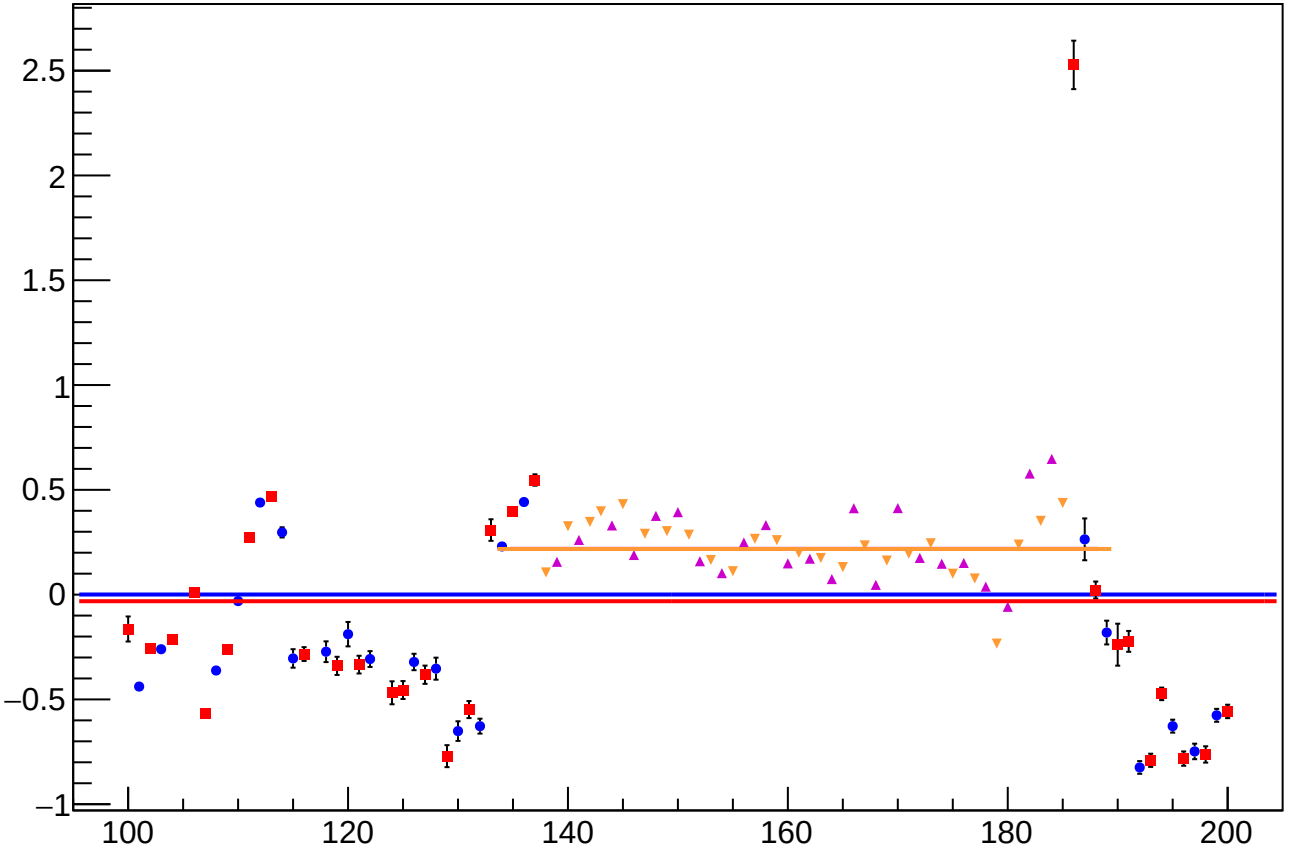
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.523+/-0.041 χ^2/NDF: 41027.5/46

All: 39.154+/-0.030 χ^2/NDF: 79787.8/97

- sign 38.776+/-0.042 χ^2/NDF: 38600.1/50

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.005 χ^2/NDF: 7599.9/21

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.031+/-0.004 χ^2/NDF: 8969.6/27

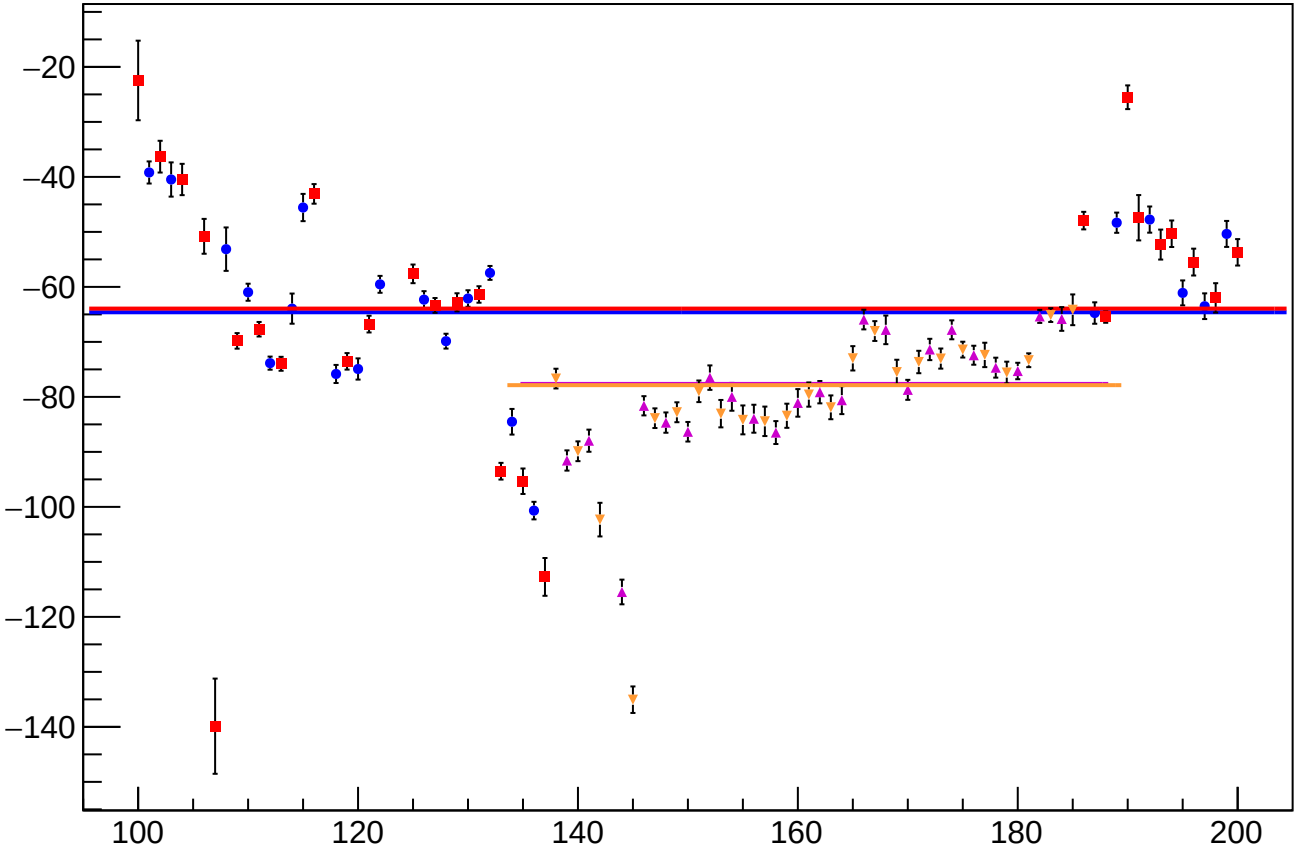
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.179+/-0.002 χ^2/NDF: 13499.3/46

All: 0.171+/-0.001 χ^2/NDF: 30617.9/97

- sign 0.163+/-0.002 χ^2/NDF: 17082.6/50

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.615+/-0.383 χ^2/NDF: 1242.8/21

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.945+/-0.354 χ^2/NDF: 1854.6/26

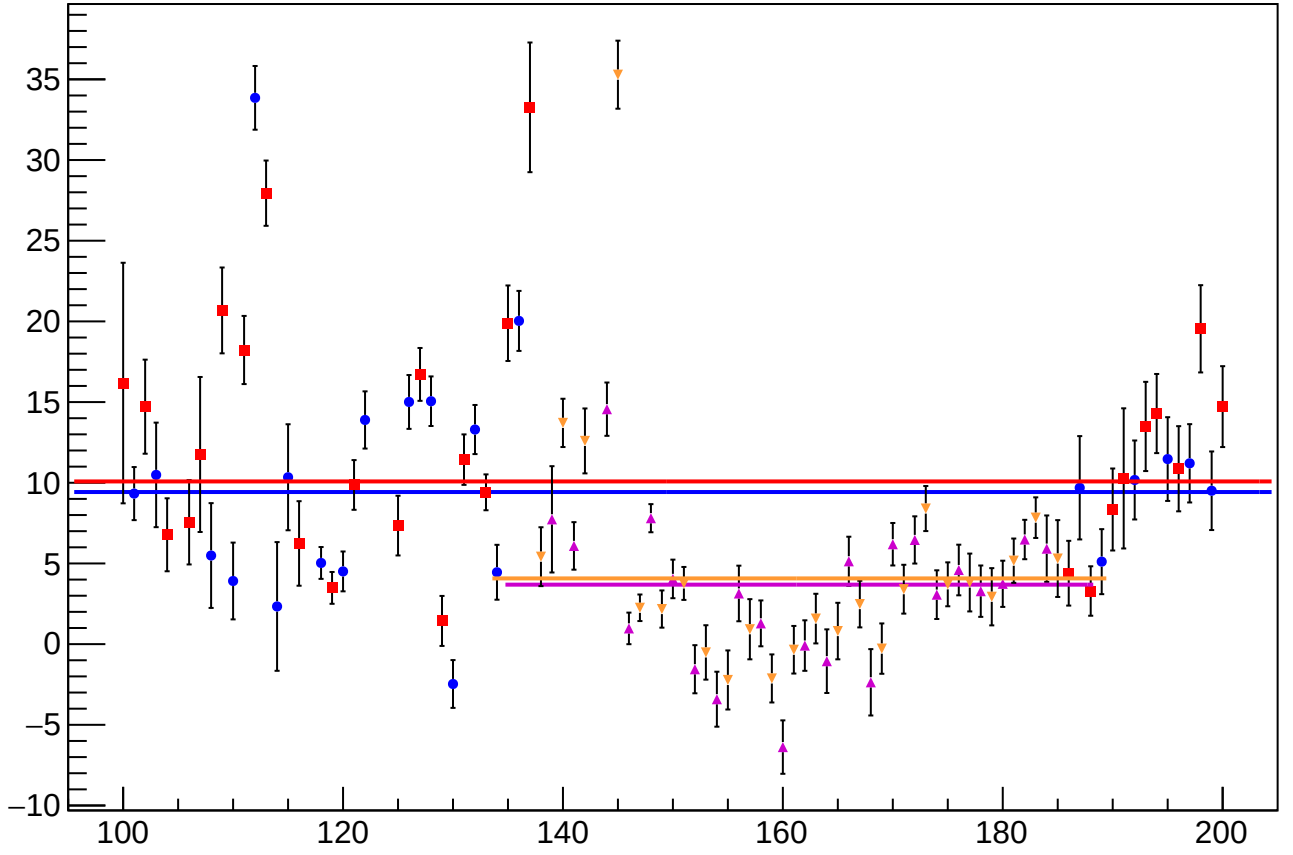
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.061+/-0.275 χ^2/NDF: 2755.9/45

All: -70.521+/-0.190 χ^2/NDF: 5975.3/95

- sign -70.023+/-0.264 χ^2/NDF: 3212.0/49

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.426+/-0.394 χ^2/NDF: 347.8/21

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.082+/-0.381 χ^2/NDF: 312.1/26

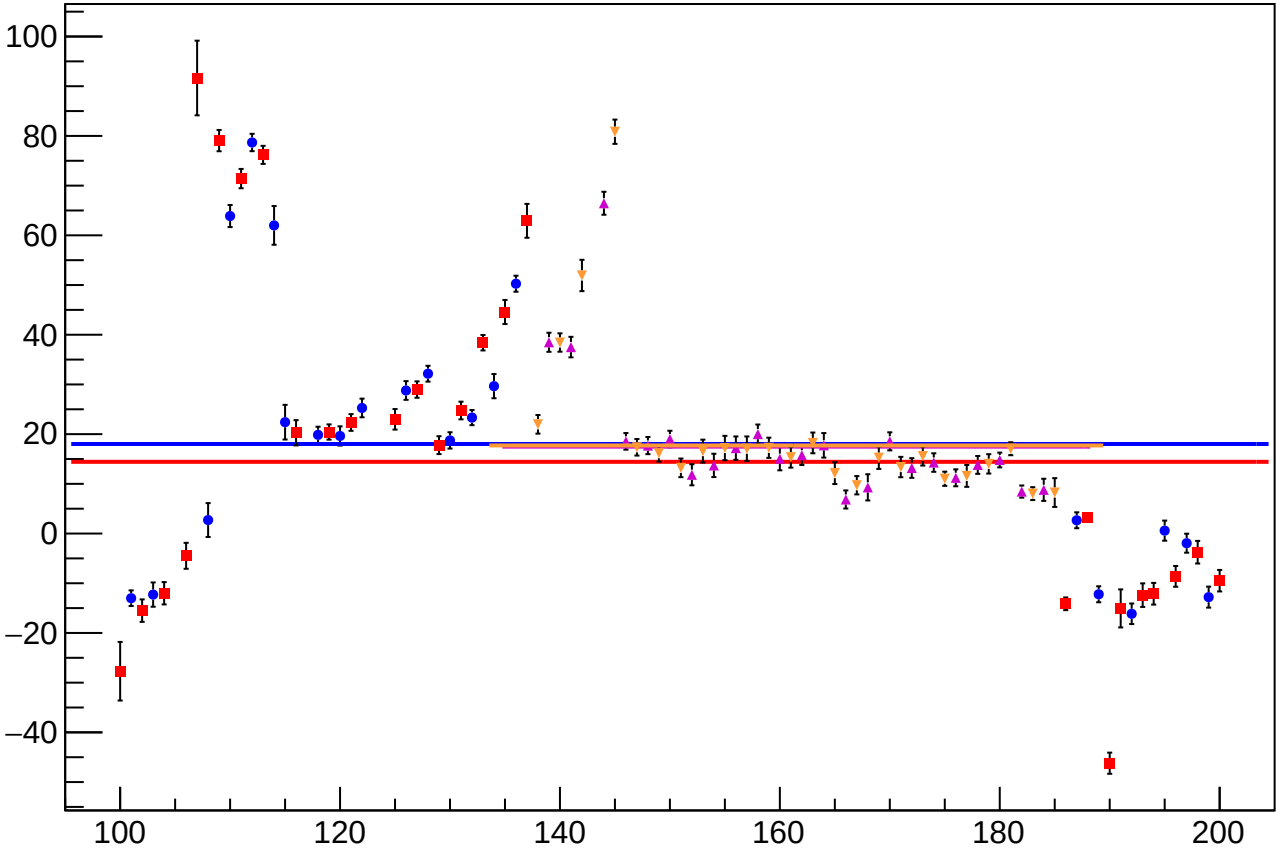
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.013+/-0.237 χ^2/NDF: 836.3/45

All: 6.082+/-0.167 χ^2/NDF: 1504.4/95

\- sign 6.151+/-0.237 χ^2/NDF: 667.9/49

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 18.019+/-0.407 χ^2/NDF: 4003.9/21

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 14.429+/-0.367 χ^2/NDF: 6334.1/26

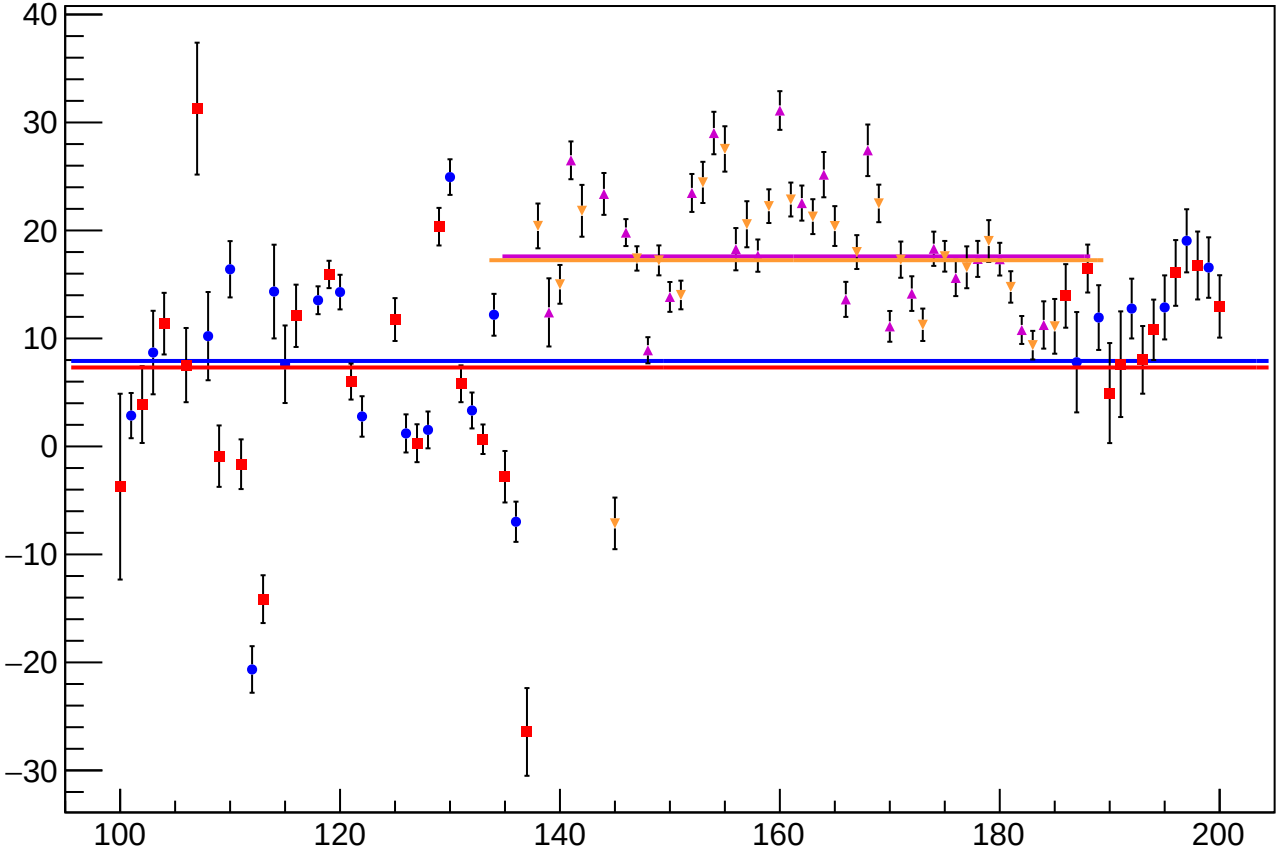
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 17.865+/-0.282 χ^2/NDF: 5062.5/45

All: 16.812+/-0.194 χ^2/NDF: 12276.3/95

- sign 15.858+/-0.268 χ^2/NDF: 7187.2/49

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.915+/-0.460 χ^2/NDF: 480.1/21

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.312+/-0.450 χ^2/NDF: 420.7/26

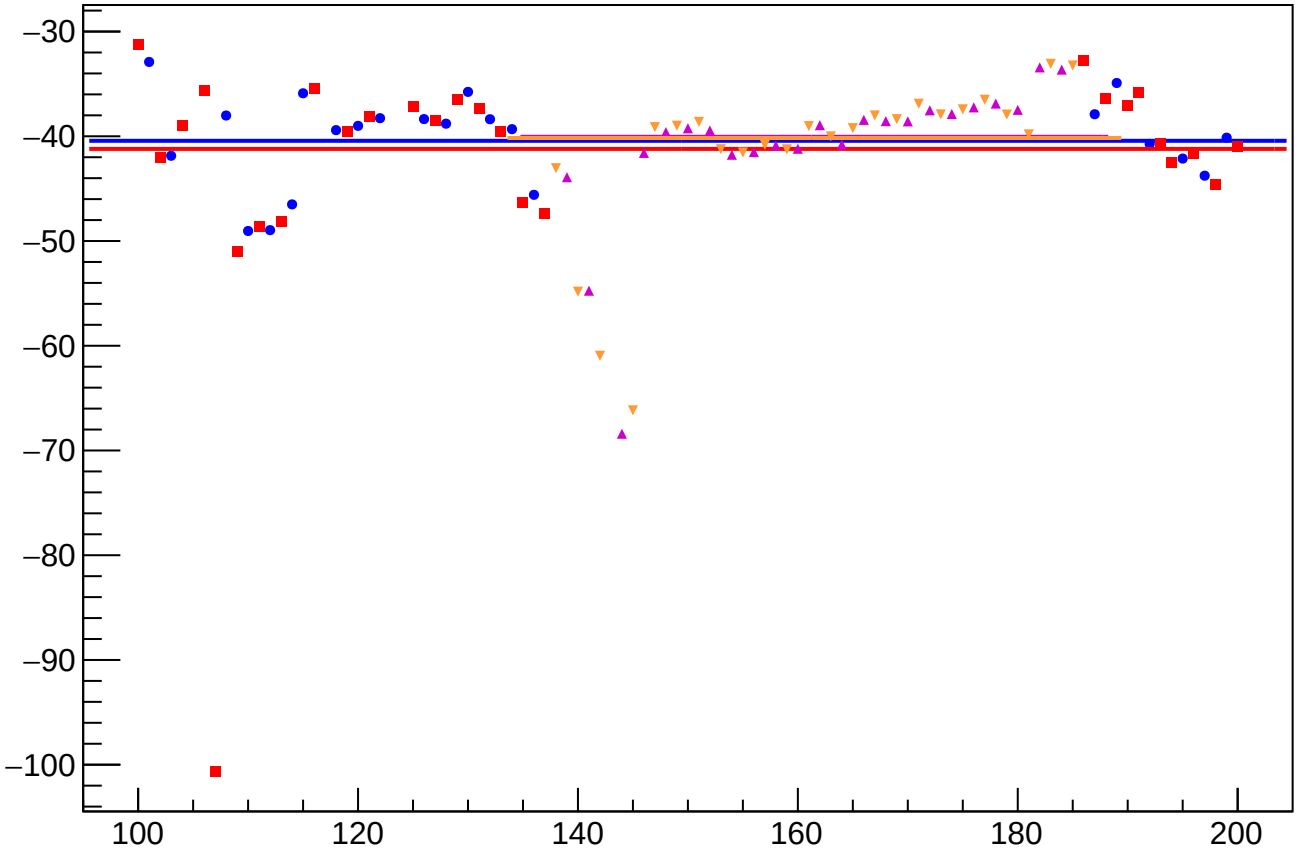
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.976+/-0.273 χ^2/NDF: 1007.7/45

All: 13.902+/-0.193 χ^2/NDF: 2069.2/95

- sign 13.828+/-0.272 χ^2/NDF: 1061.3/49

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.431+/-0.025 χ^2/NDF: 24703.6/21

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.204+/-0.023 χ^2/NDF: 67306.4/26

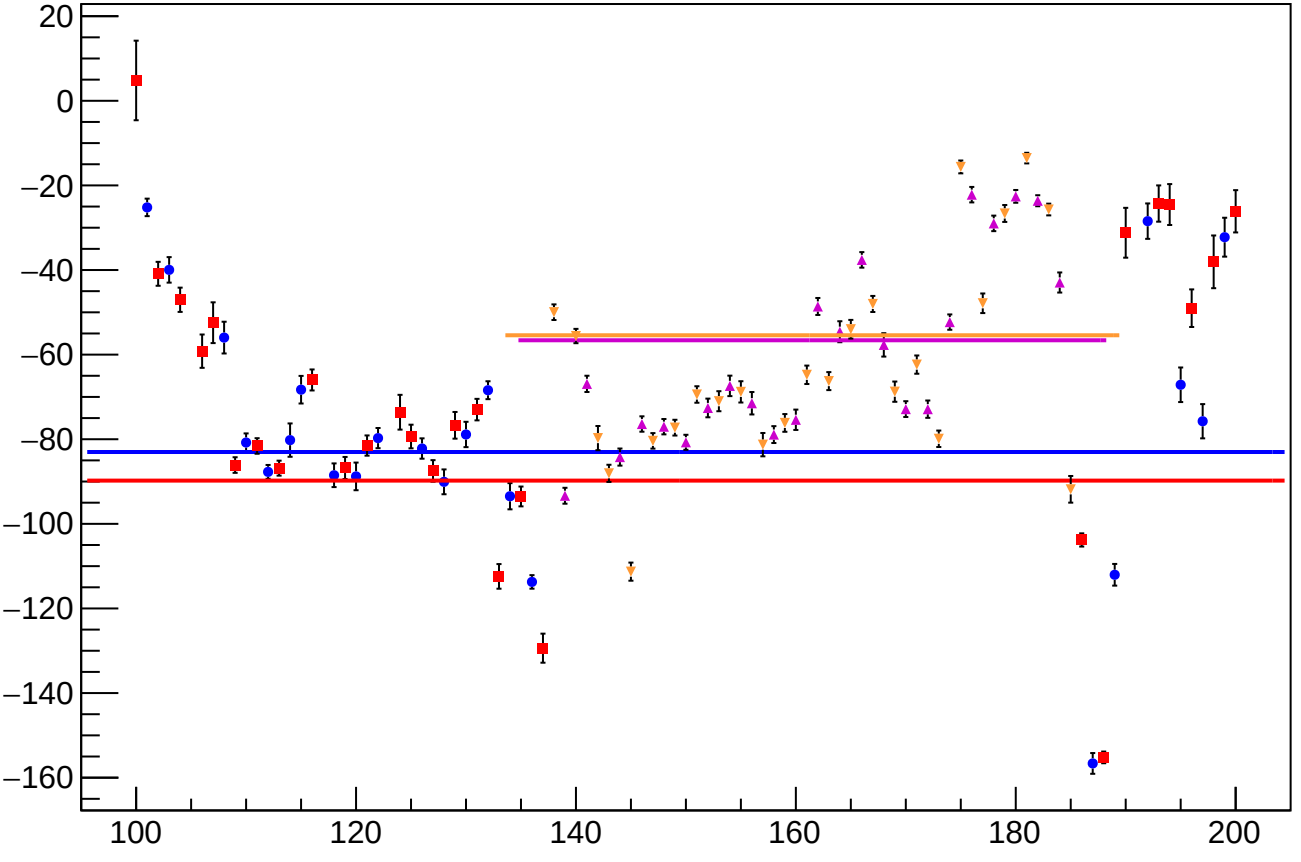
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.239+/-0.013 χ^2/NDF: 188122.6/45

All: -40.320+/-0.009 χ^2/NDF: 393644.7/95

- sign -40.399+/-0.013 χ^2/NDF: 205446.4/49

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.019+/-0.557 χ^2/NDF: 2850.3/21

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -89.779+/-0.505 χ^2/NDF: 4310.9/26

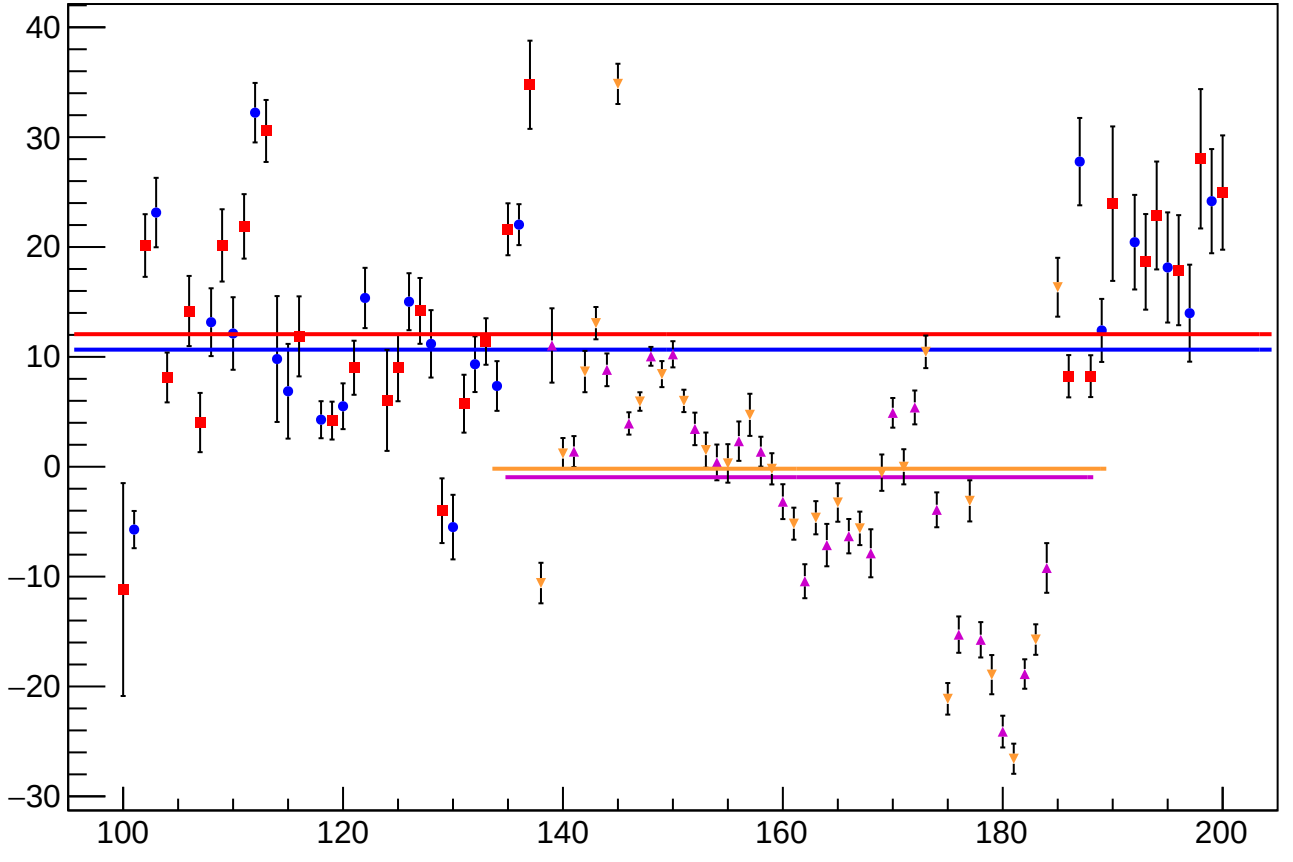
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.602+/-0.321 χ^2/NDF: 9012.8/46

All: -67.113+/-0.225 χ^2/NDF: 19424.1/96

- sign -69.534+/-0.315 χ^2/NDF: 10291.2/49

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.659+/-0.581 χ^2/NDF: 305.3/21

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.066+/-0.557 χ^2/NDF: 227.6/26

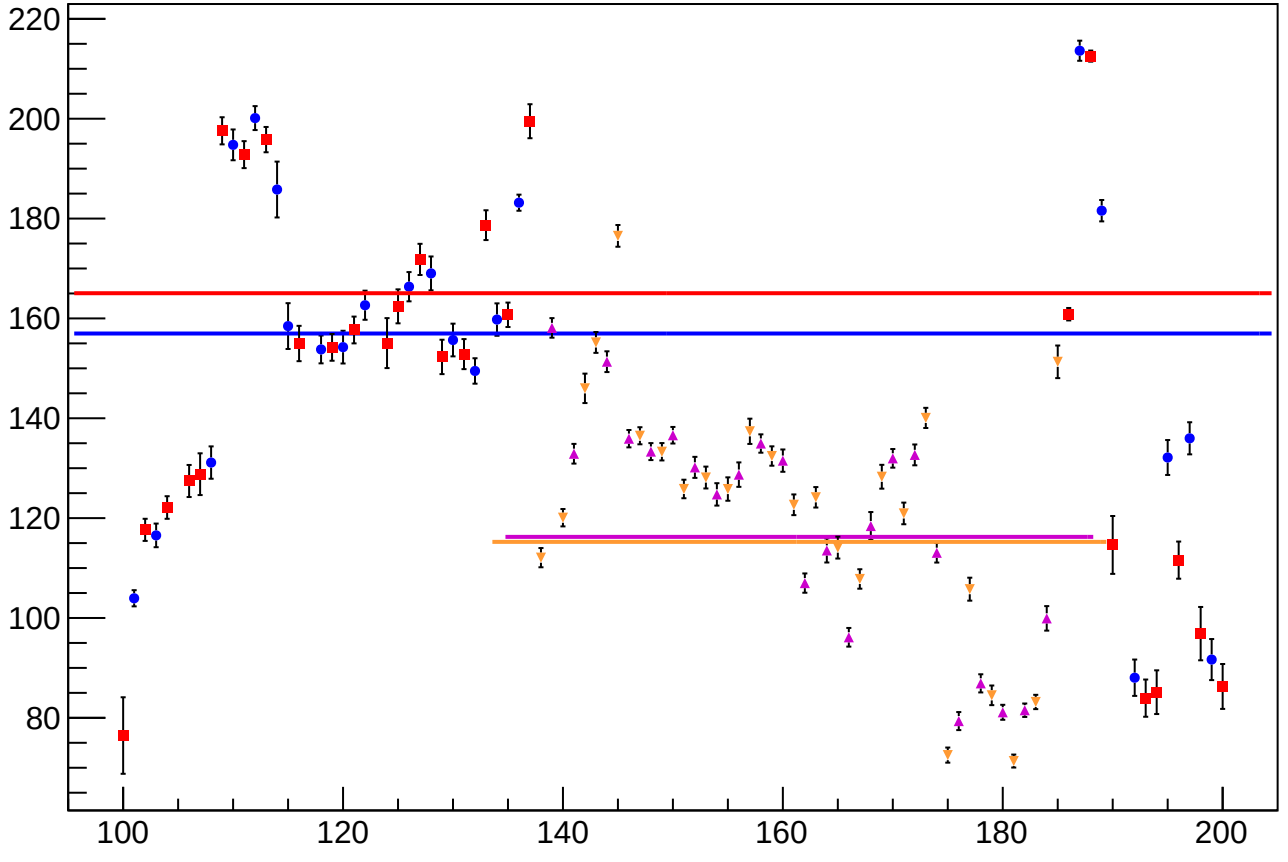
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.034+/-0.262 χ^2/NDF: 2181.0/46

All: 2.037+/-0.187 χ^2/NDF: 3899.5/96

\- sign 2.040+/-0.267 χ^2/NDF: 1718.5/49

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 156.977+/-0.572 χ^2/NDF: 3857.1/21

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 165.047+/-0.506 χ^2/NDF: 5158.2/26

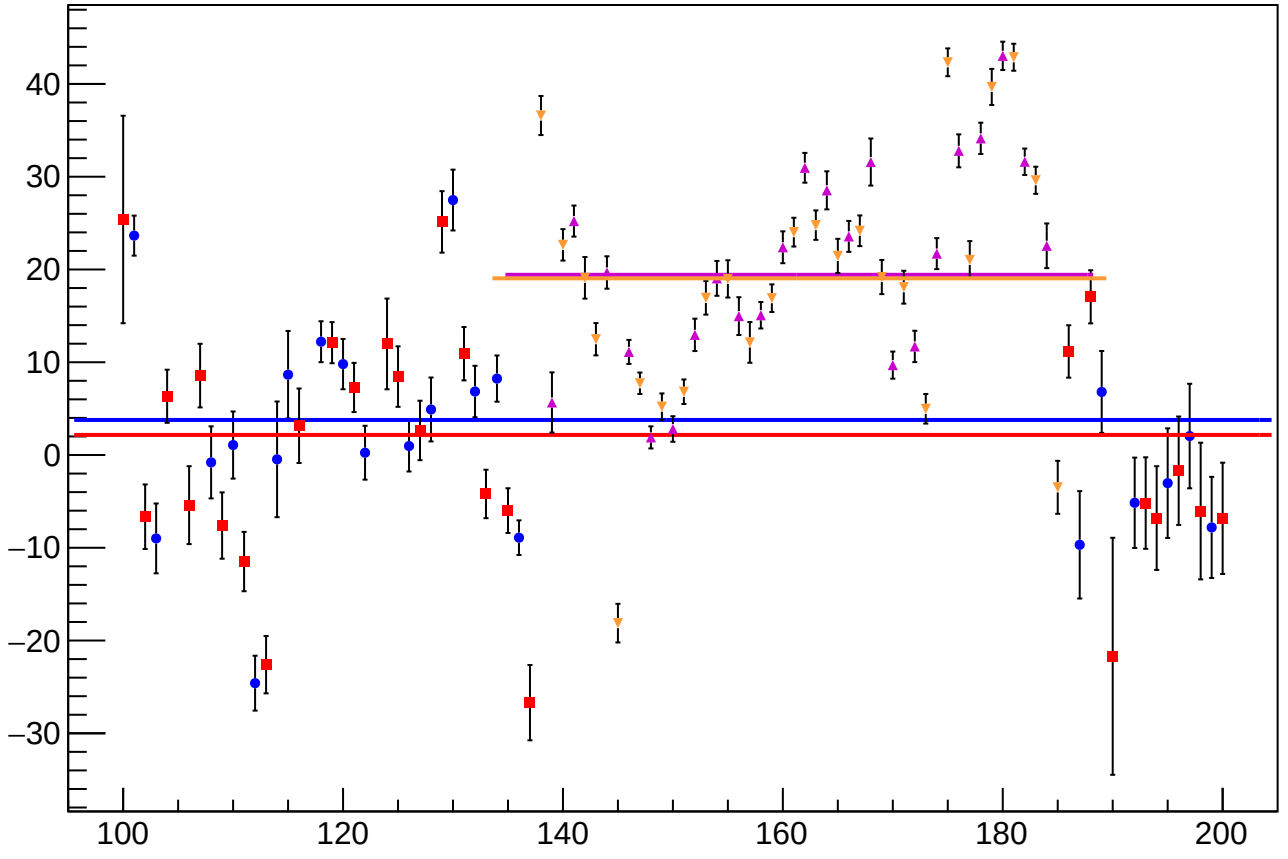
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.518+/-0.322 χ^2/NDF: 12329.7/46

All: 131.841+/-0.225 χ^2/NDF: 27070.2/96

- sign 134.981+/-0.313 χ^2/NDF: 14533.8/49

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.780+/-0.677 χ^2/NDF: 332.1/21

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.166+/-0.664 χ^2/NDF: 315.8/26

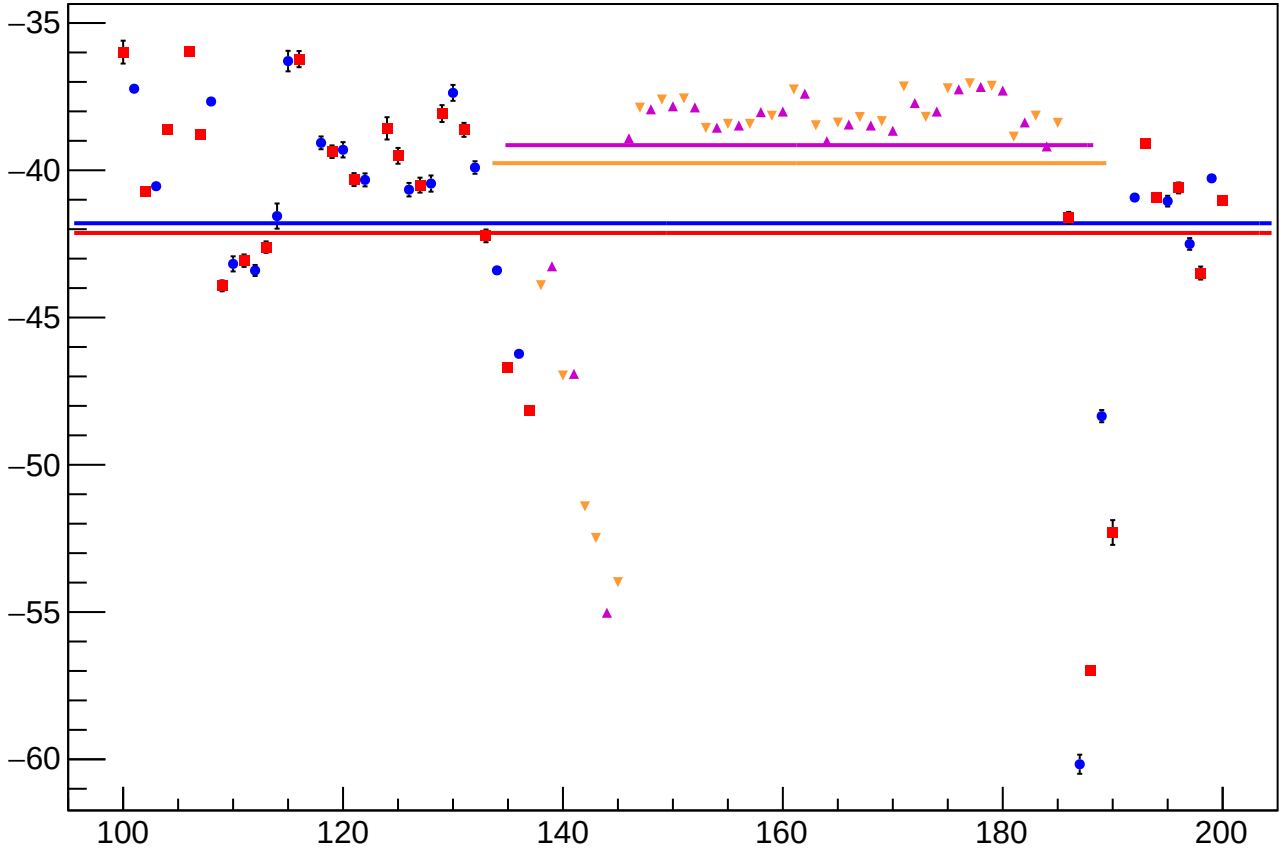
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.030+/-0.301 χ^2/NDF: 2285.3/46

All: 15.889+/-0.215 χ^2/NDF: 4210.6/96

- sign 15.742+/-0.307 χ^2/NDF: 1924.9/49

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.798+/-0.034 χ^2/NDF: 12352.5/21

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.128+/-0.034 χ^2/NDF: 19097.4/26

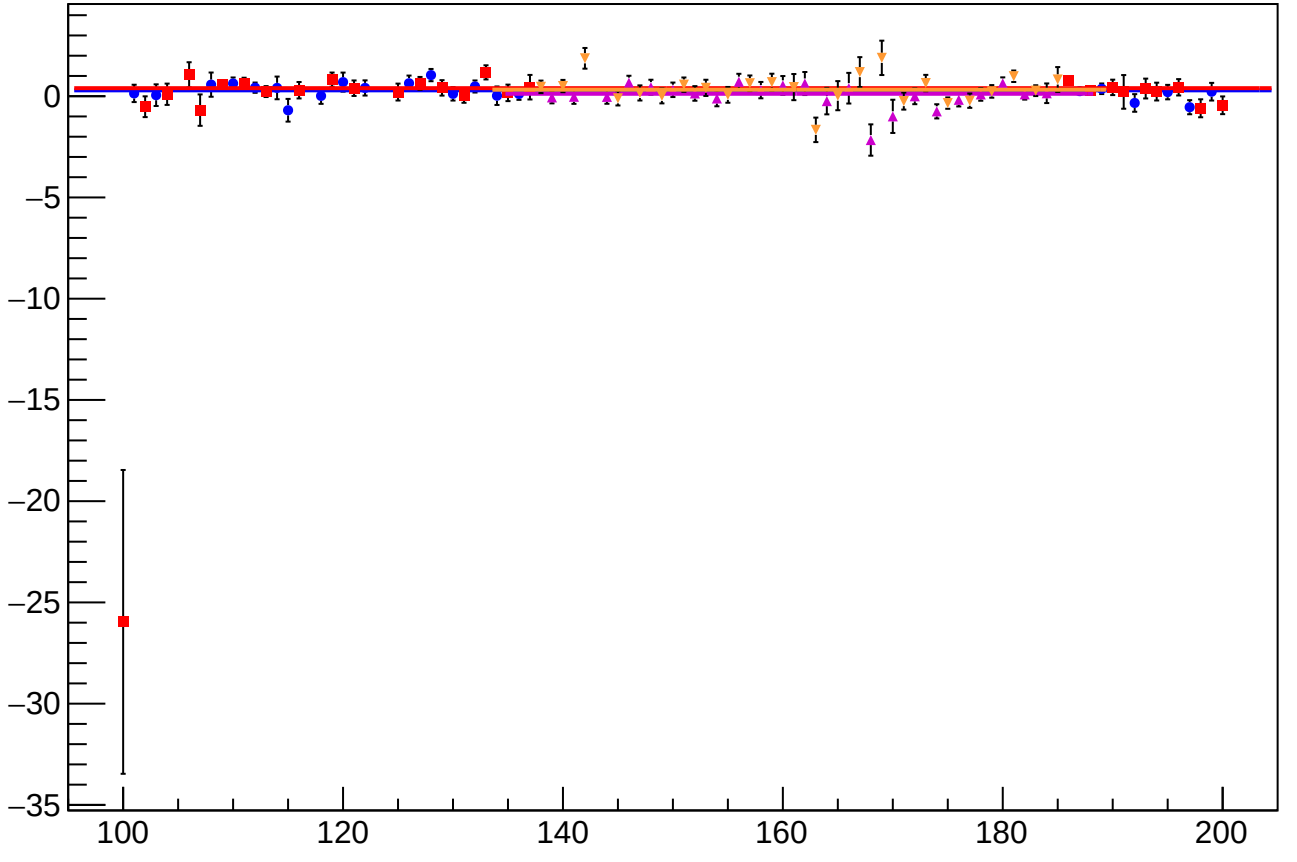
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.105+/-0.014 χ^2/NDF: 97186.0/46

All: -39.891+/-0.010 χ^2/NDF: 170092.2/96

- sign -39.673+/-0.014 χ^2/NDF: 72438.5/49

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.290+/-0.075 χ^2/NDF: 23.0/21

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.397+/-0.063 χ^2/NDF: 43.9/26

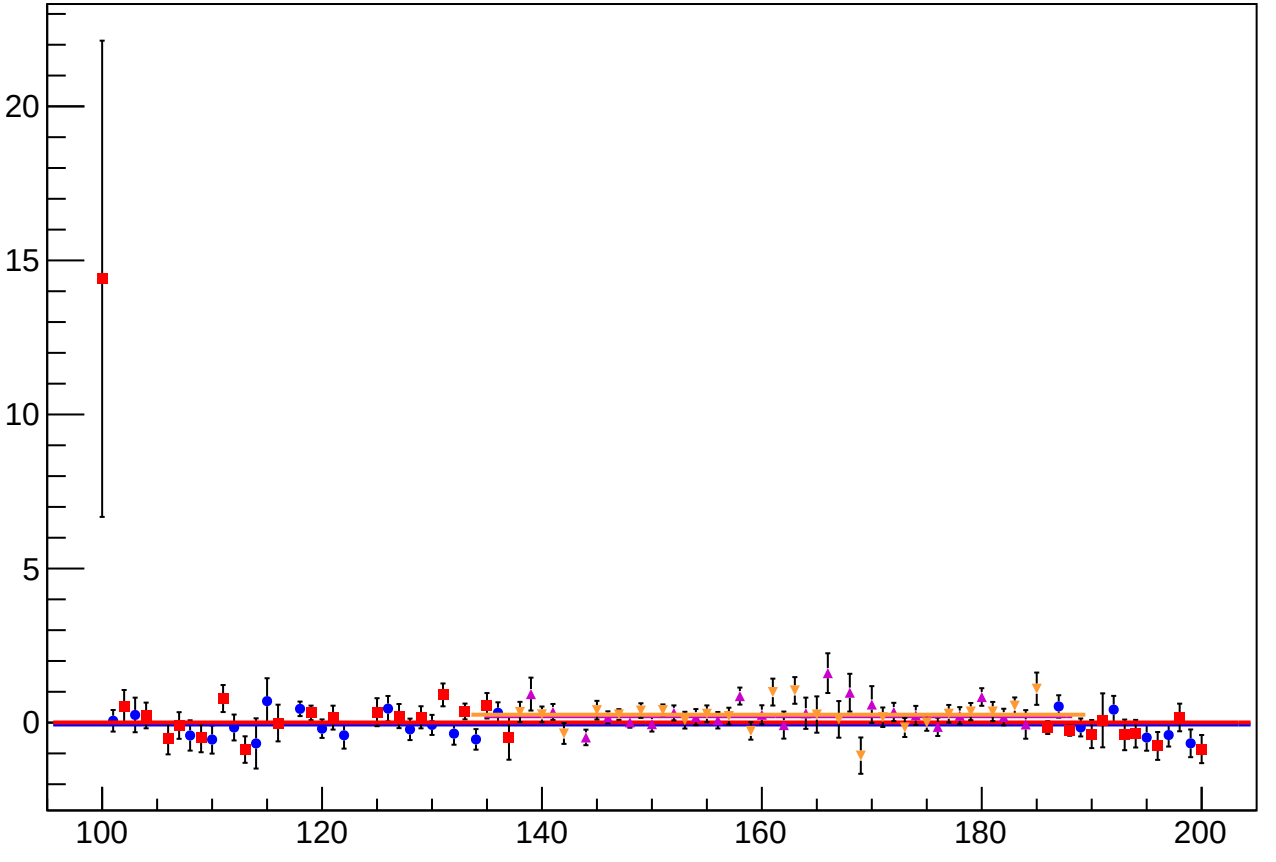
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.305+/-0.054 χ^2/NDF: 70.0/45

All: 0.297+/-0.036 χ^2/NDF: 151.3/95

- sign 0.290+/-0.049 χ^2/NDF: 81.3/49

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.061+/-0.080 χ^2/NDF: 22.6/21

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.004+/-0.072 χ^2/NDF: 38.1/26

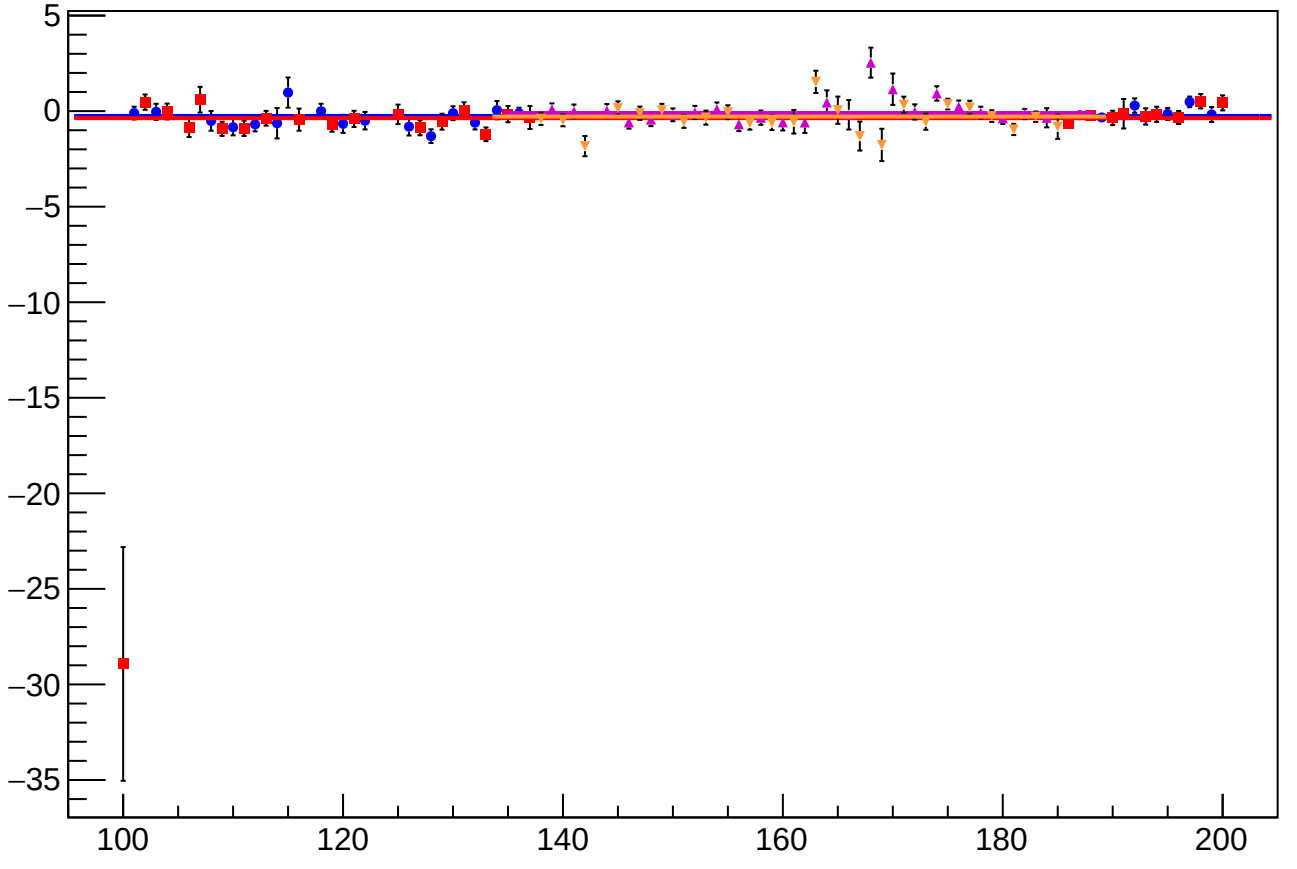
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.145+/-0.048 χ^2/NDF: 59.3/45

All: 0.134+/-0.033 χ^2/NDF: 134.1/95

- sign 0.123+/-0.046 χ^2/NDF: 74.7/49

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.253+/-0.074 χ^2/NDF: 29.3/21

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.367+/-0.060 χ^2/NDF: 58.8/26

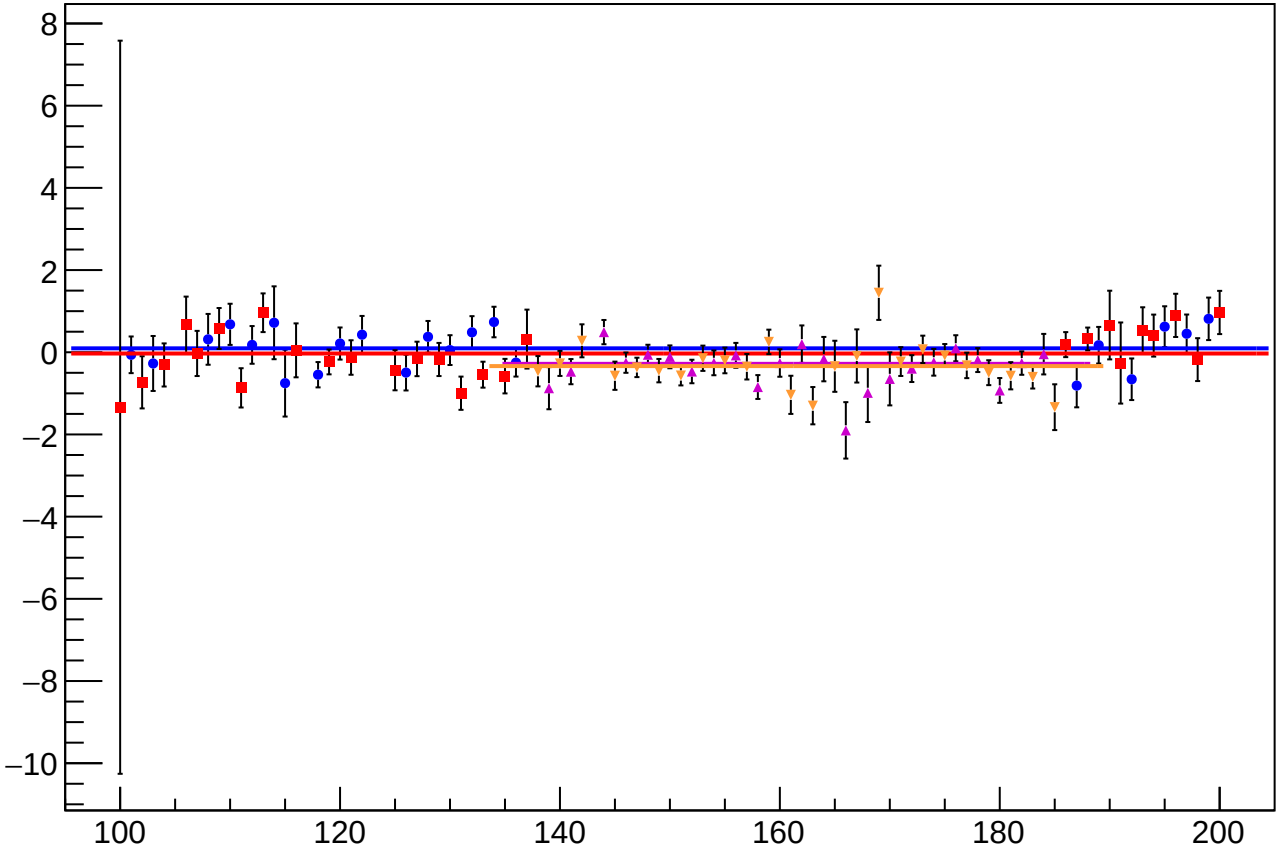
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.269+/-0.054 χ^2/NDF: 74.5/45

All: -0.269+/-0.036 χ^2/NDF: 173.9/95

- sign -0.269+/-0.047 χ^2/NDF: 99.4/49

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.095+/-0.095 χ^2/NDF: 24.7/21

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.031+/-0.089 χ^2/NDF: 34.7/26

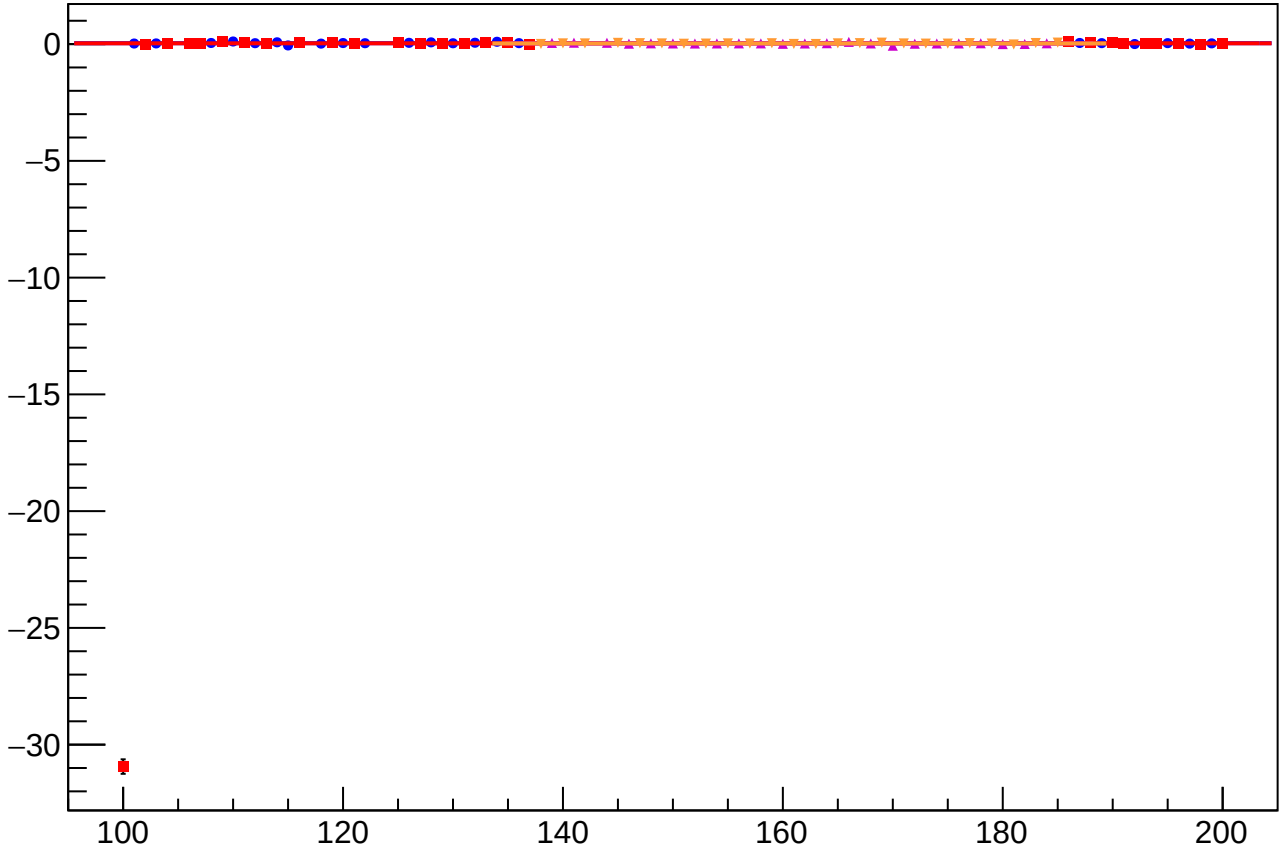
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.191+/-0.055 χ^2/NDF: 68.5/45

All: -0.189+/-0.039 χ^2/NDF: 137.1/95

- sign -0.187+/-0.054 χ^2/NDF: 68.7/49

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.040+/-0.005 χ^2/NDF: 28.3/21

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.034+/-0.004 χ^2/NDF: 10044.8/26

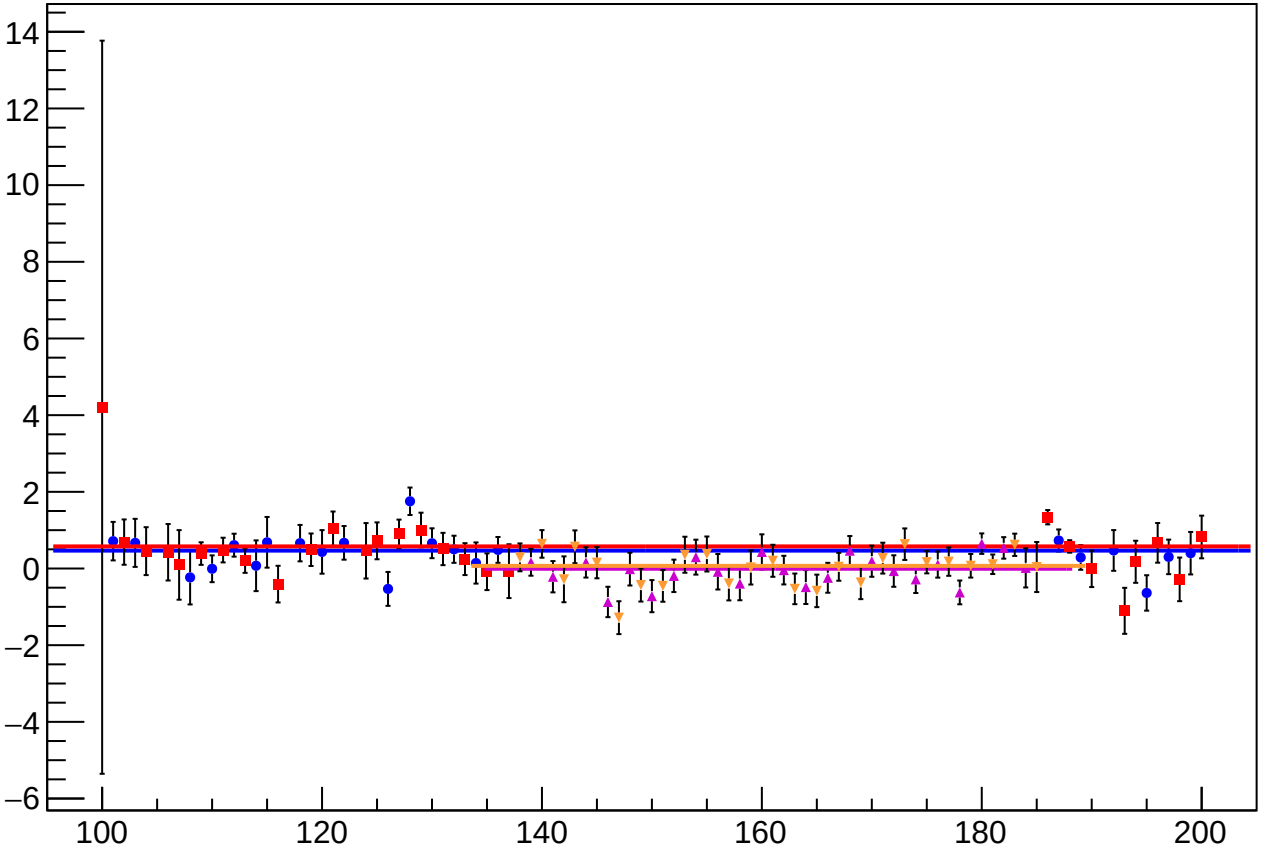
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.2/45

All: 0.031+/-0.002 χ^2/NDF: 10144.7/95

- sign 0.031+/-0.002 χ^2/NDF: 10084.5/49

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.467+/-0.090 χ^2/NDF: 29.9/21

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.576+/-0.075 χ^2/NDF: 41.9/26

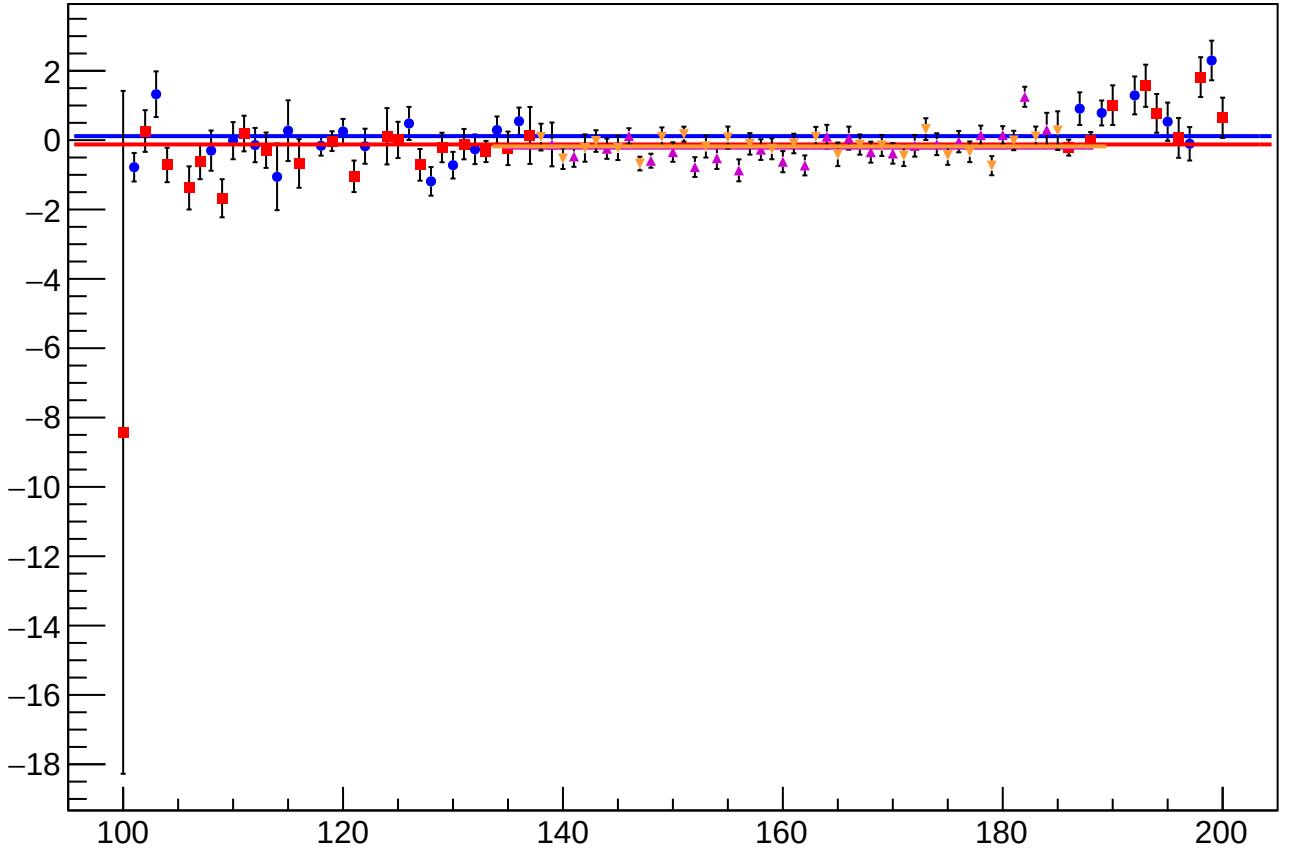
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.237+/-0.059 χ^2/NDF: 72.3/46

All: 0.272+/-0.040 χ^2/NDF: 171.8/96

- sign 0.302+/-0.055 χ^2/NDF: 98.9/49

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.097 χ^2/NDF: 55.8/21

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.124+/-0.086 χ^2/NDF: 51.3/26

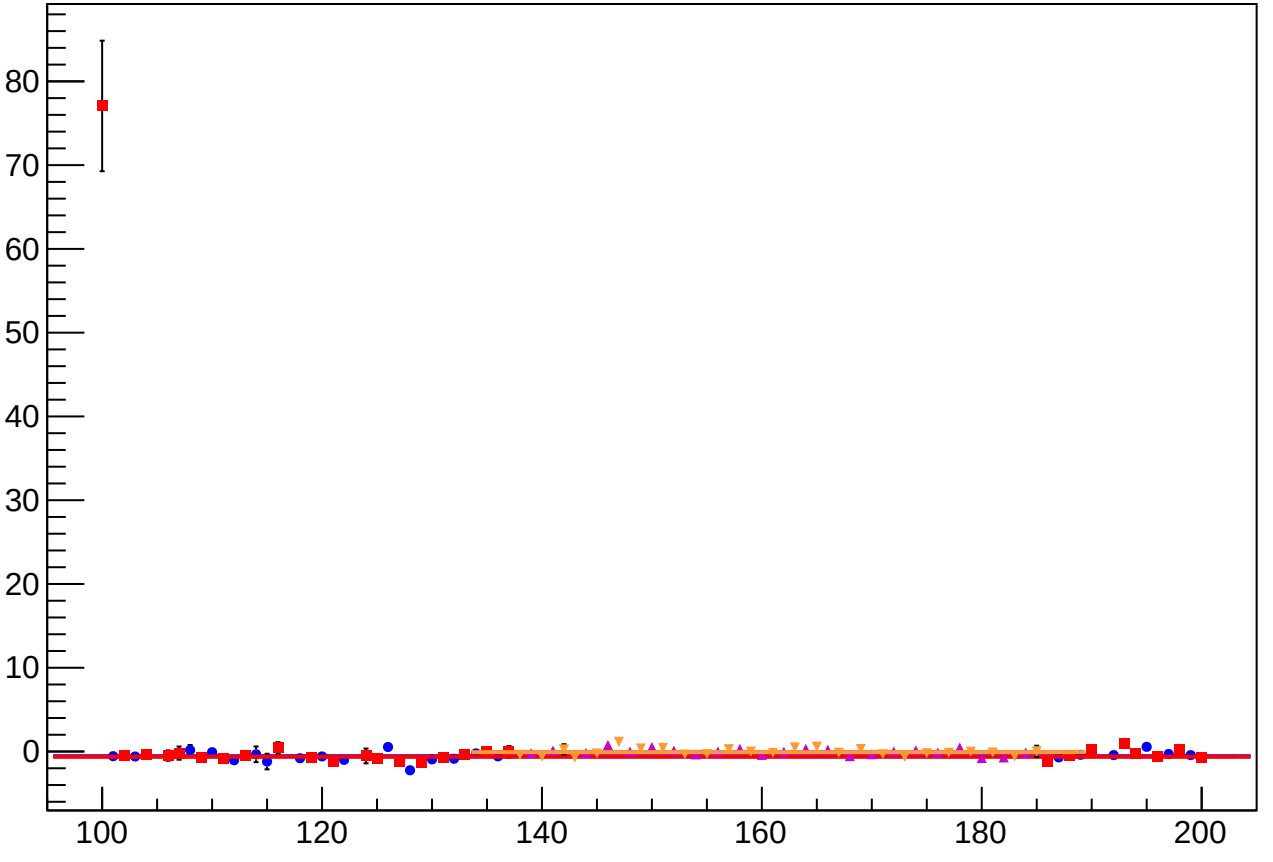
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.100+/-0.050 χ^2/NDF: 87.3/46

All: -0.142+/-0.036 χ^2/NDF: 194.4/96

- sign -0.184+/-0.050 χ^2/NDF: 105.6/49

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.564+/-0.091 χ^2/NDF: 35.7/21

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.626+/-0.071 χ^2/NDF: 139.9/26

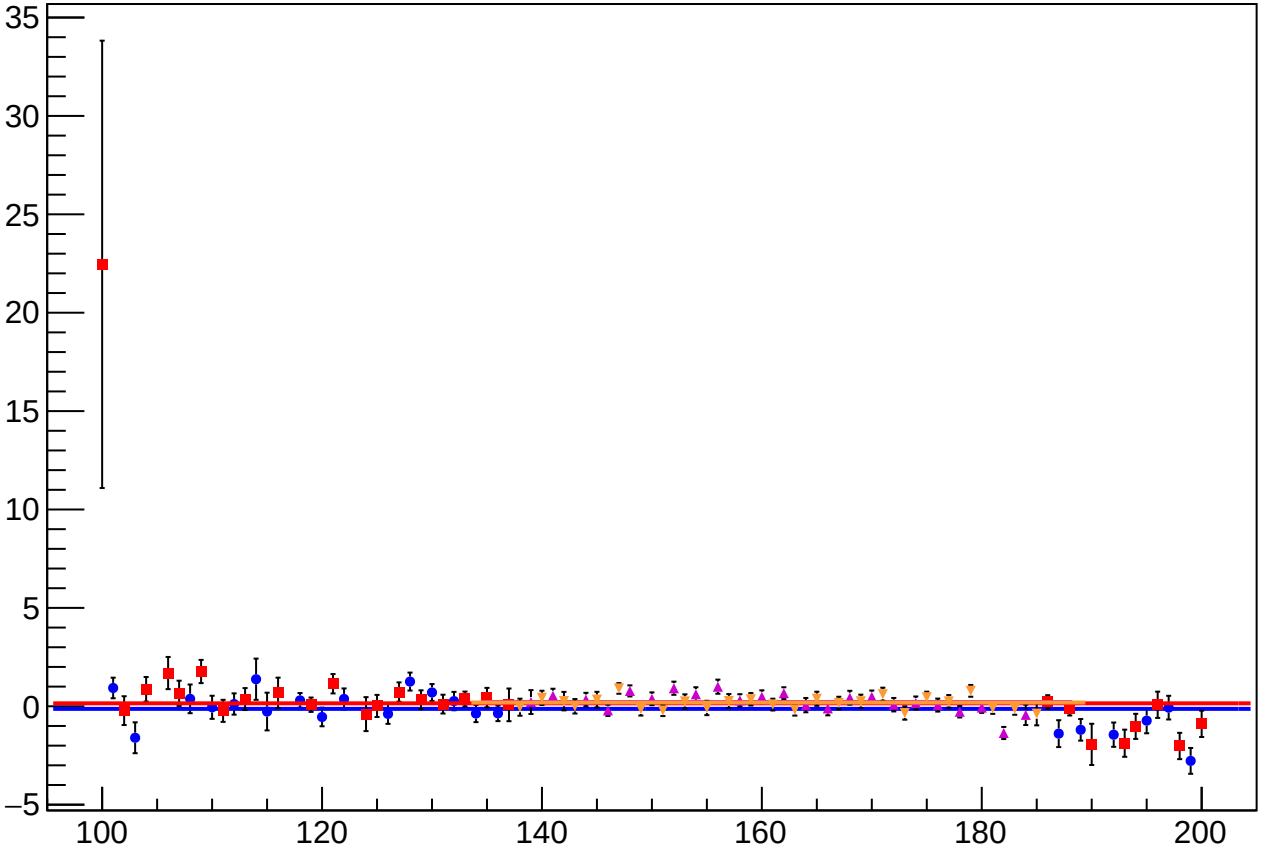
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.281+/-0.059 χ^2/NDF: 82.5/46

All: -0.334+/-0.039 χ^2/NDF: 279.1/96

- sign -0.378+/-0.053 χ^2/NDF: 195.1/49

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.131+/-0.114 χ^2/NDF: 56.7/21

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.150+/-0.105 χ^2/NDF: 54.6/26

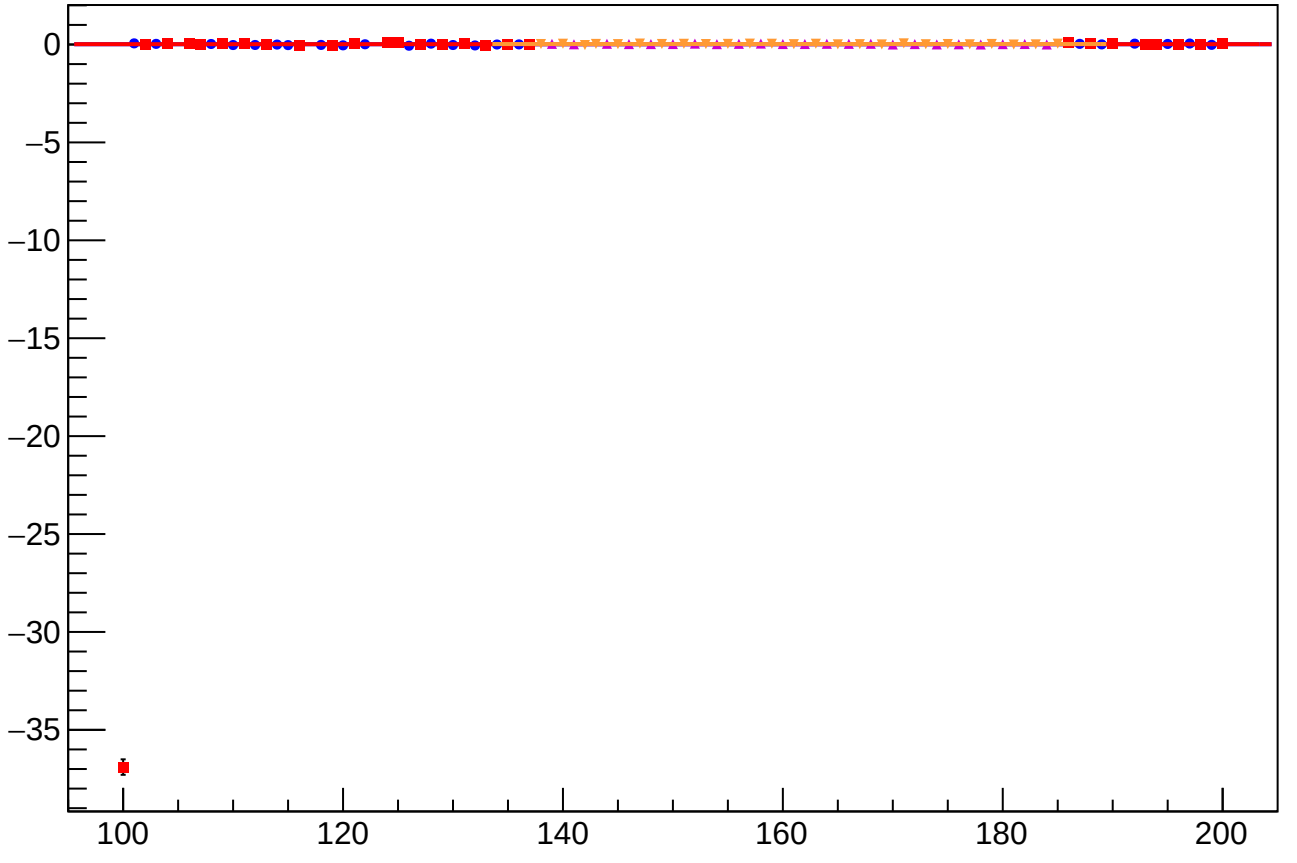
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.110+/-0.058 χ^2/NDF: 88.6/46

All: 0.153+/-0.041 χ^2/NDF: 199.7/96

- sign 0.195+/-0.058 χ^2/NDF: 109.9/49

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.006 χ^2/NDF: 27.7/21

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.005 χ^2/NDF: 8777.6/26

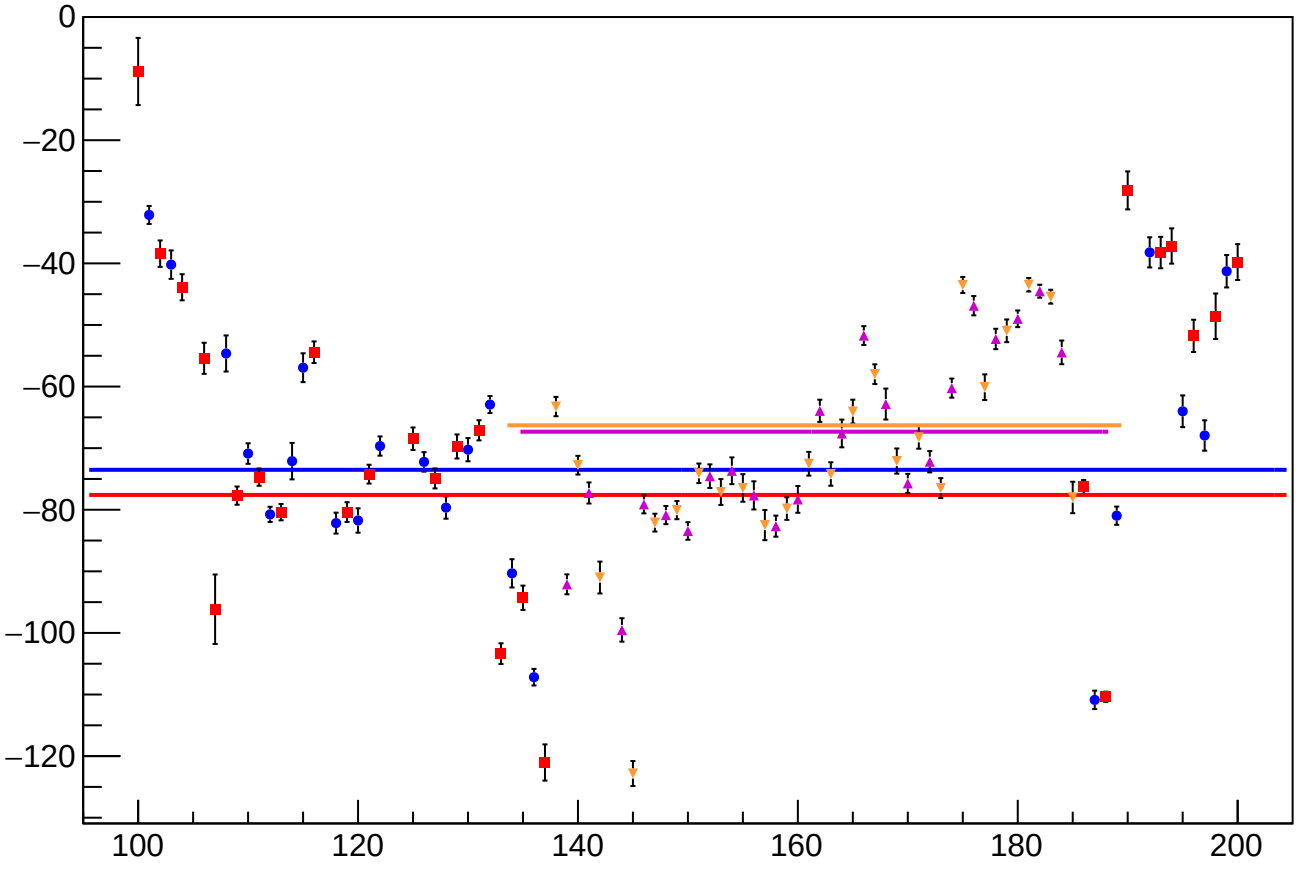
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 60.8/46

All: 0.022+/-0.002 χ^2/NDF: 8857.9/96

- sign 0.022+/-0.003 χ^2/NDF: 8797.0/49

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -73.517+/-0.381 χ^2/NDF: 2972.5/21

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -77.595+/-0.346 χ^2/NDF: 4223.8/25

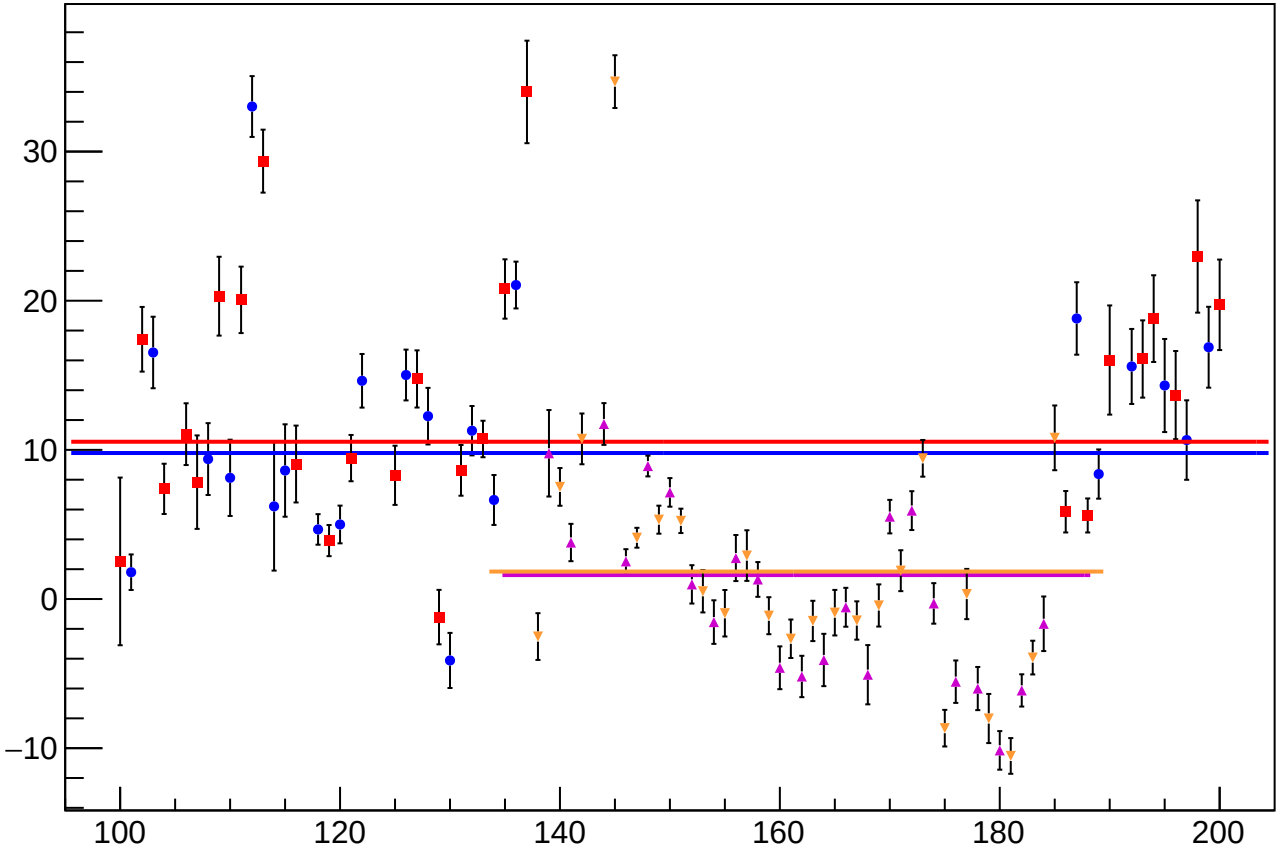
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.533+/-0.255 χ^2/NDF: 5721.3/45

All: -71.057+/-0.176 χ^2/NDF: 12557.4/94

- sign -72.454+/-0.244 χ^2/NDF: 6767.8/48

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.789+/-0.389 χ^2/NDF: 383.2/21

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.545+/-0.376 χ^2/NDF: 357.1/25

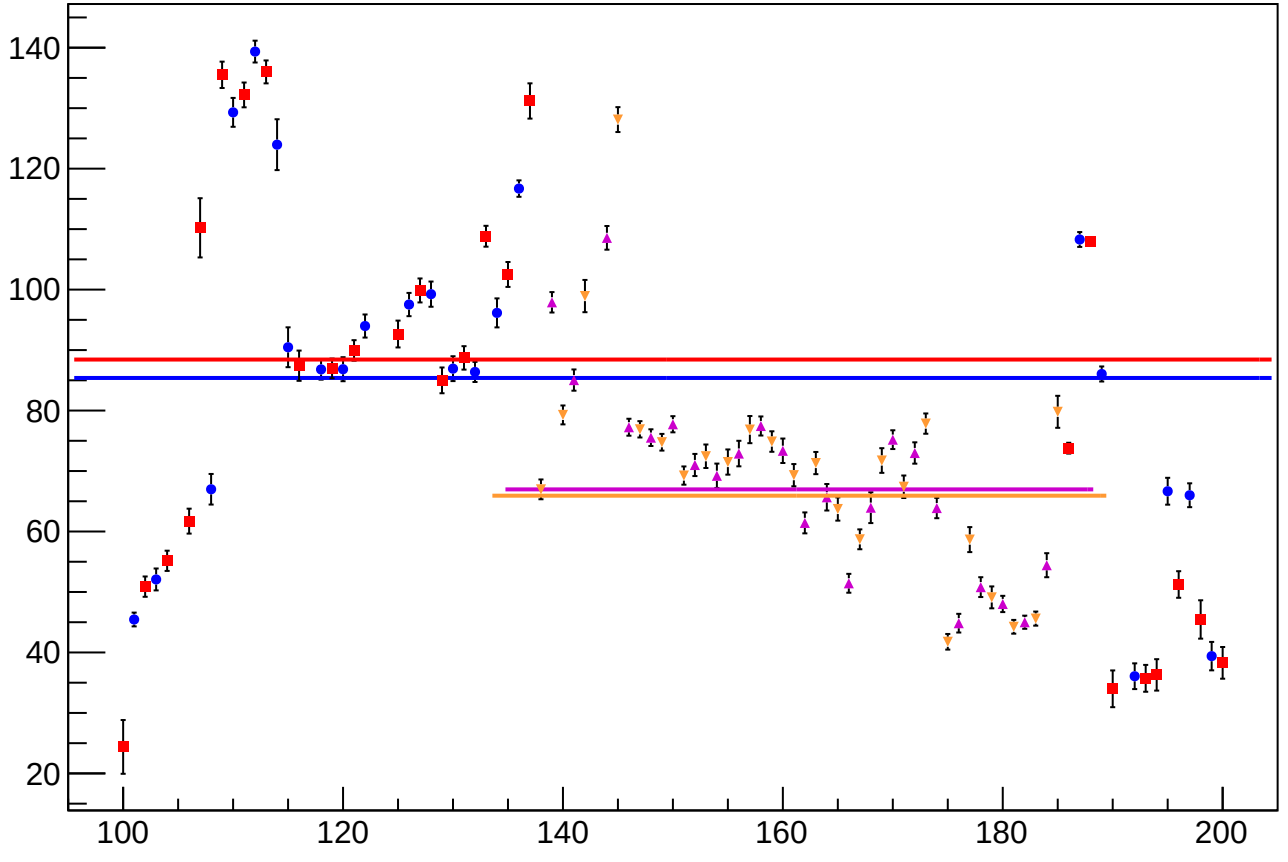
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.223+/-0.213 χ^2/NDF: 1457.0/45

All: 4.350+/-0.151 χ^2/NDF: 2695.8/94

- sign 4.476+/-0.213 χ^2/NDF: 1238.1/48

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 85.389+/-0.386 χ^2/NDF: 5031.0/21

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 88.434+/-0.339 χ^2/NDF: 6536.6/25

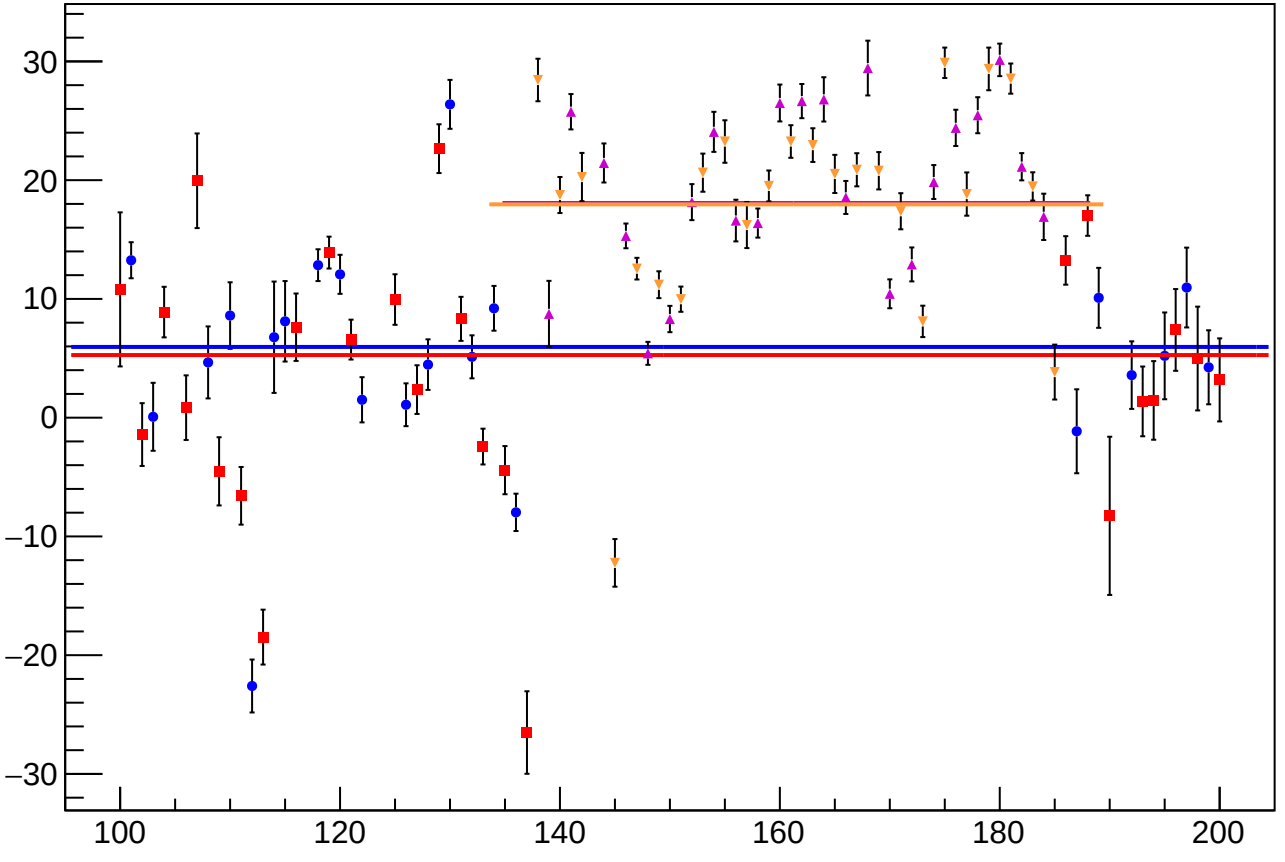
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.451+/-0.255 χ^2/NDF: 9018.4/45

All: 76.209+/-0.175 χ^2/NDF: 19858.6/94

- sign 77.770+/-0.240 χ^2/NDF: 10750.7/48

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.957+/-0.461 χ^2/NDF: 436.8/21

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.272+/-0.453 χ^2/NDF: 494.4/25

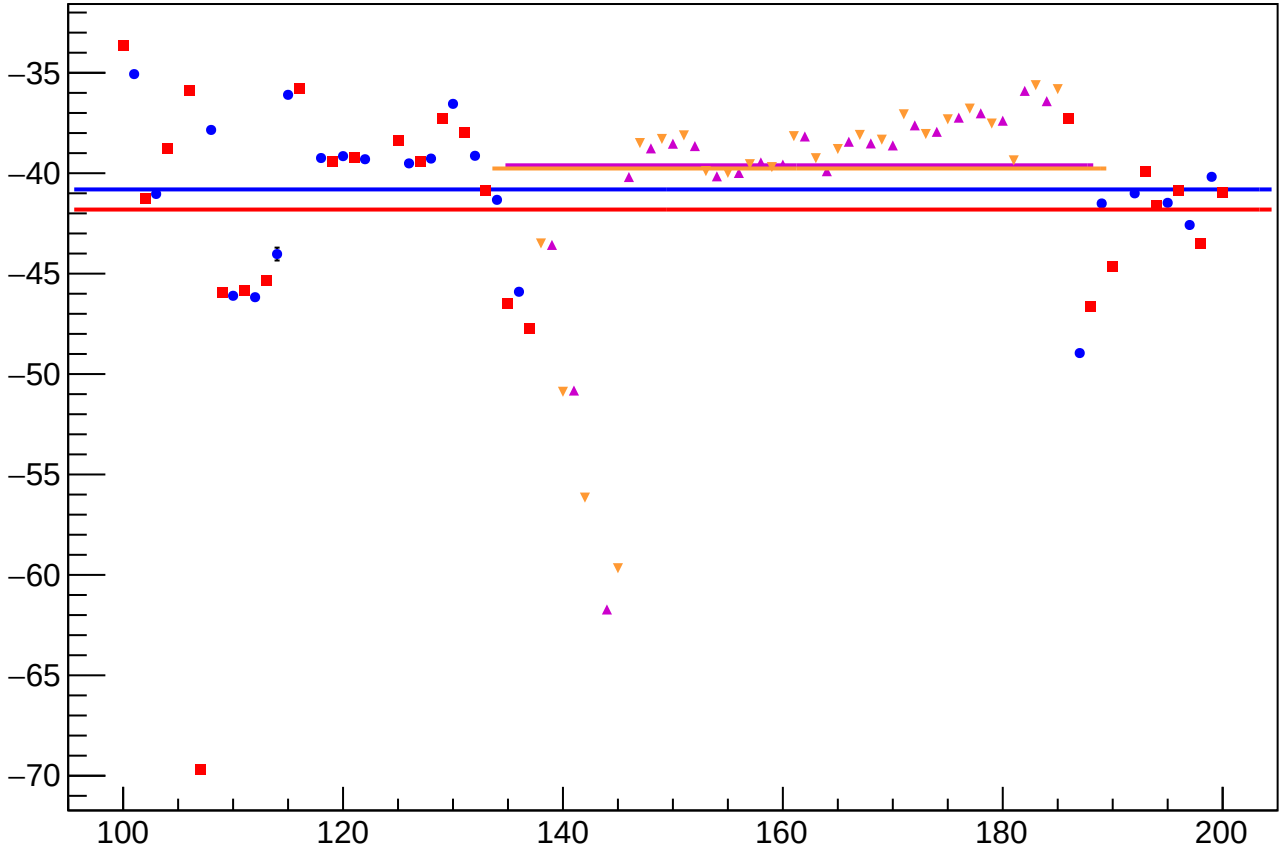
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.522+/-0.247 χ^2/NDF: 1653.5/45

All: 14.393+/-0.175 χ^2/NDF: 3315.7/94

- sign 14.263+/-0.247 χ^2/NDF: 1661.6/48

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.807+/-0.024 χ^2/NDF: 20318.6/21

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.809+/-0.023 χ^2/NDF: 41698.5/25

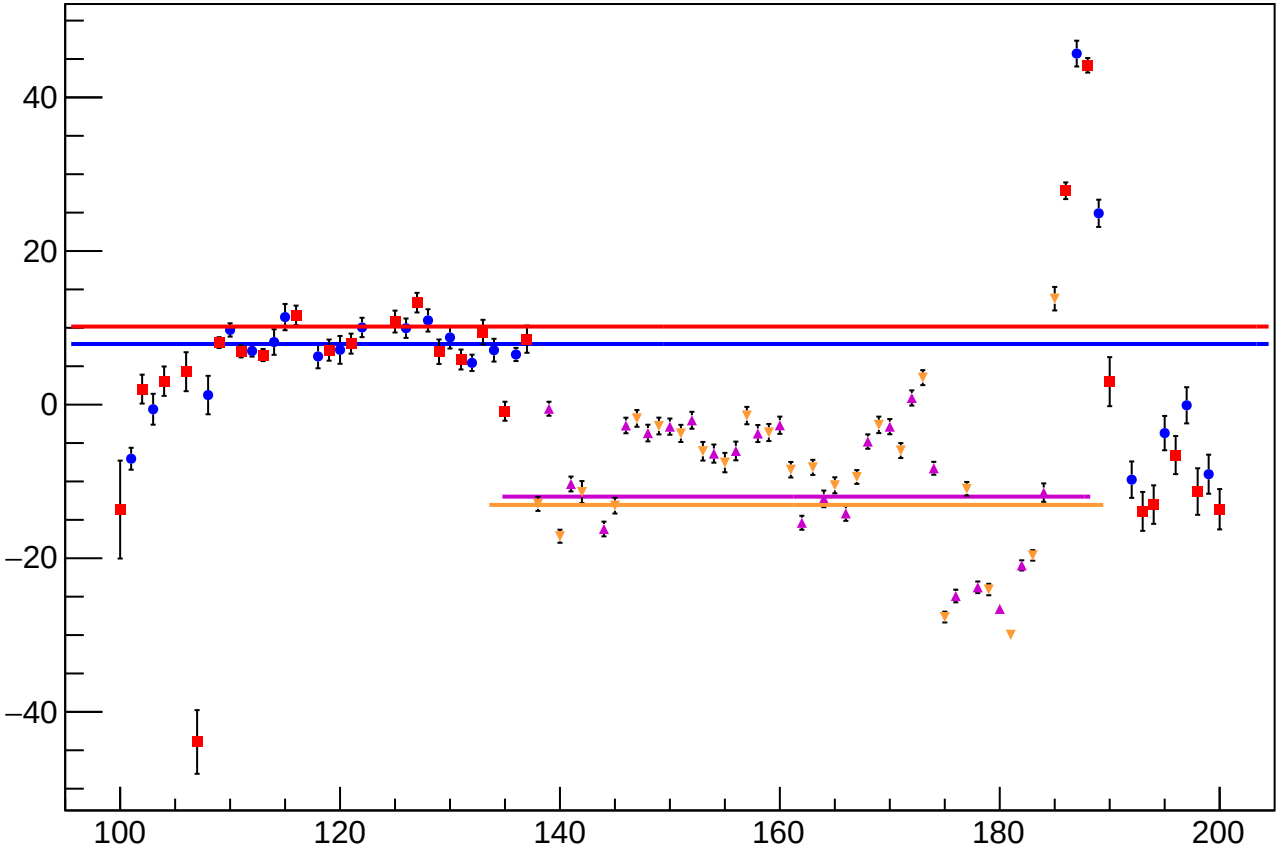
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.016+/-0.012 χ^2/NDF: 151657.2/45

All: -40.085+/-0.008 χ^2/NDF: 306780.7/94

- sign -40.152+/-0.012 χ^2/NDF: 155056.3/48

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.896+/-0.291 χ^2/NDF: 900.3/21

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.165+/-0.267 χ^2/NDF: 2284.4/25

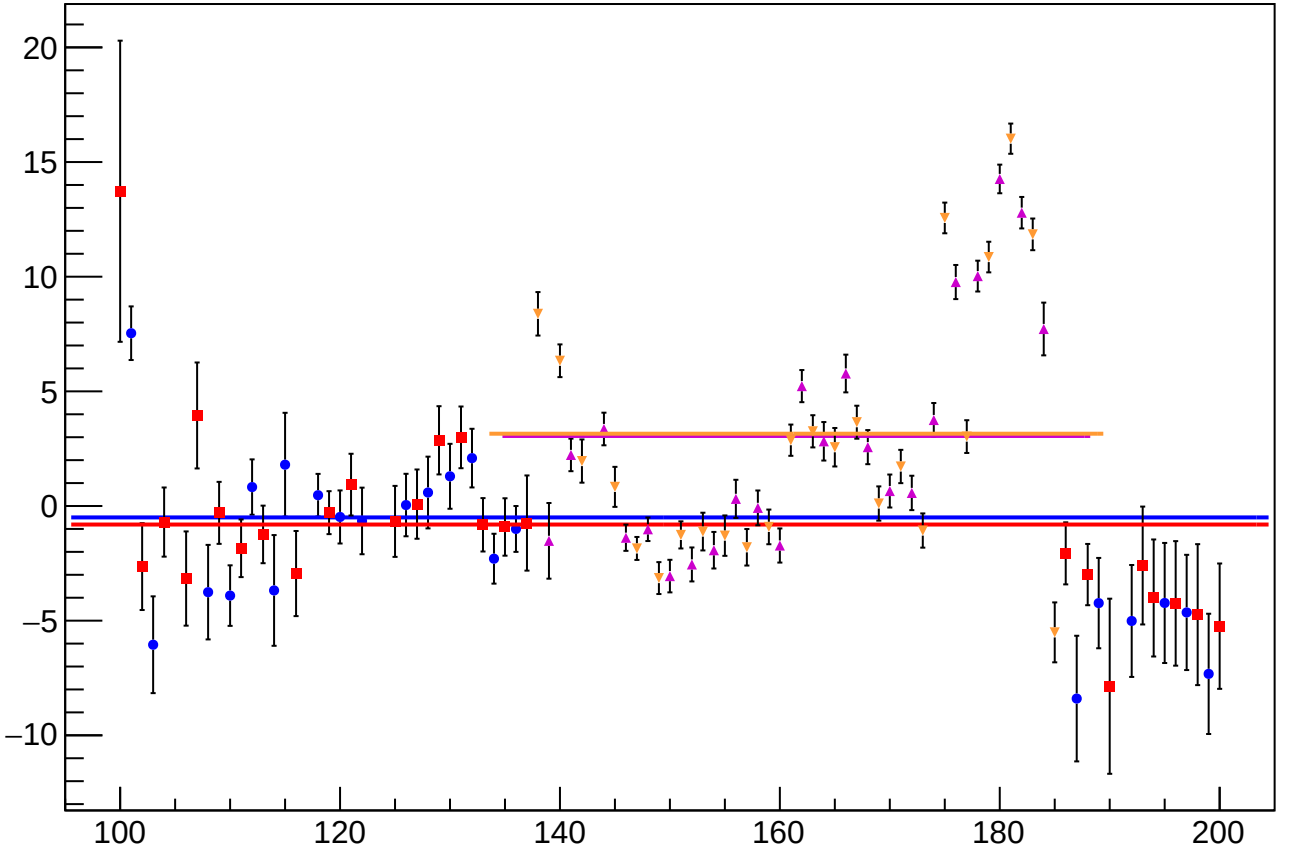
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.653+/-0.161 χ^2/NDF: 7377.3/45

All: -5.429+/-0.113 χ^2/NDF: 16430.5/94

- sign -4.250+/-0.158 χ^2/NDF: 8939.2/48

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.497+/-0.315 χ^2/NDF: 104.6/21

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.808+/-0.312 χ^2/NDF: 45.0/25

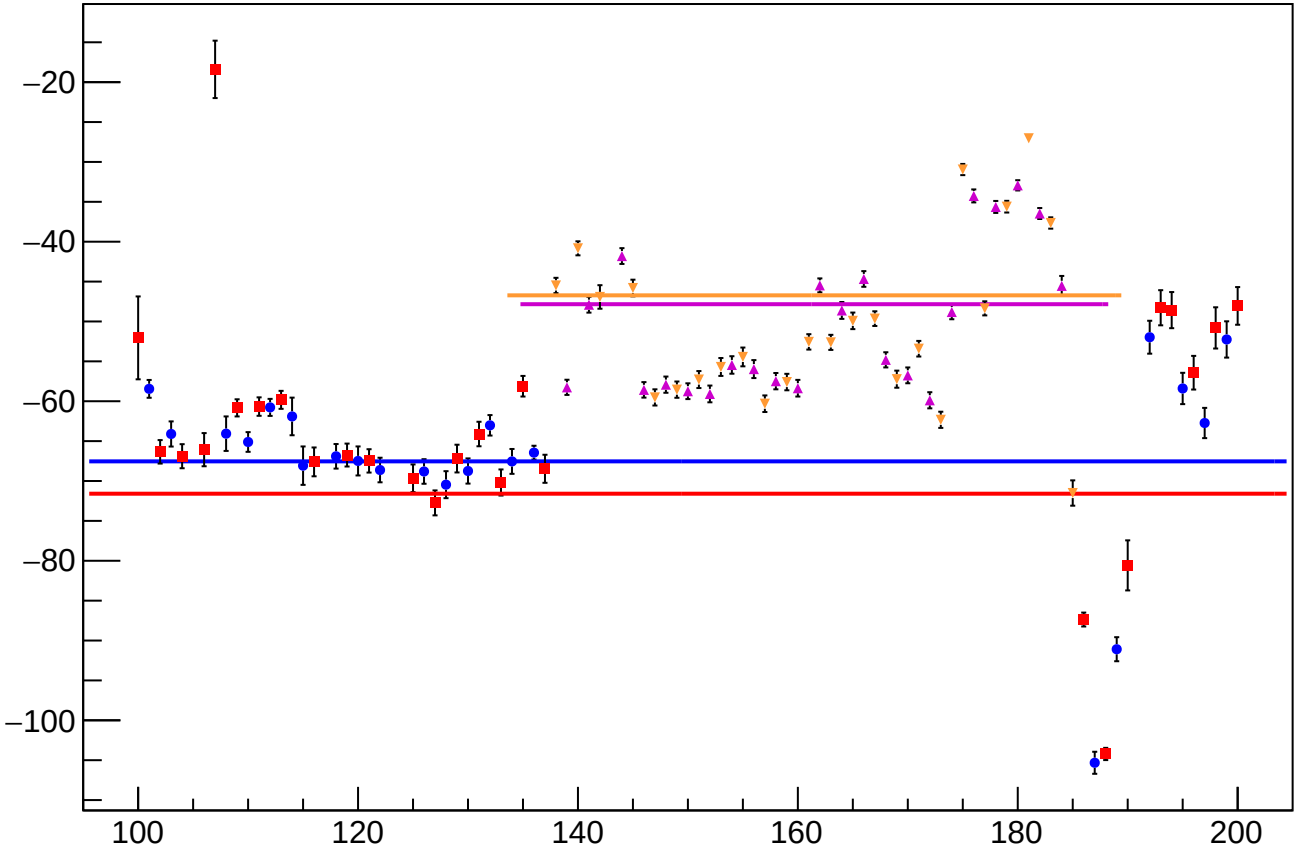
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.483+/-0.135 χ^2/NDF: 1599.6/45

All: 2.399+/-0.096 χ^2/NDF: 2914.4/94

- sign 2.313+/-0.137 χ^2/NDF: 1314.0/48

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.538+/-0.318 χ^2/NDF: 1264.7/21

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

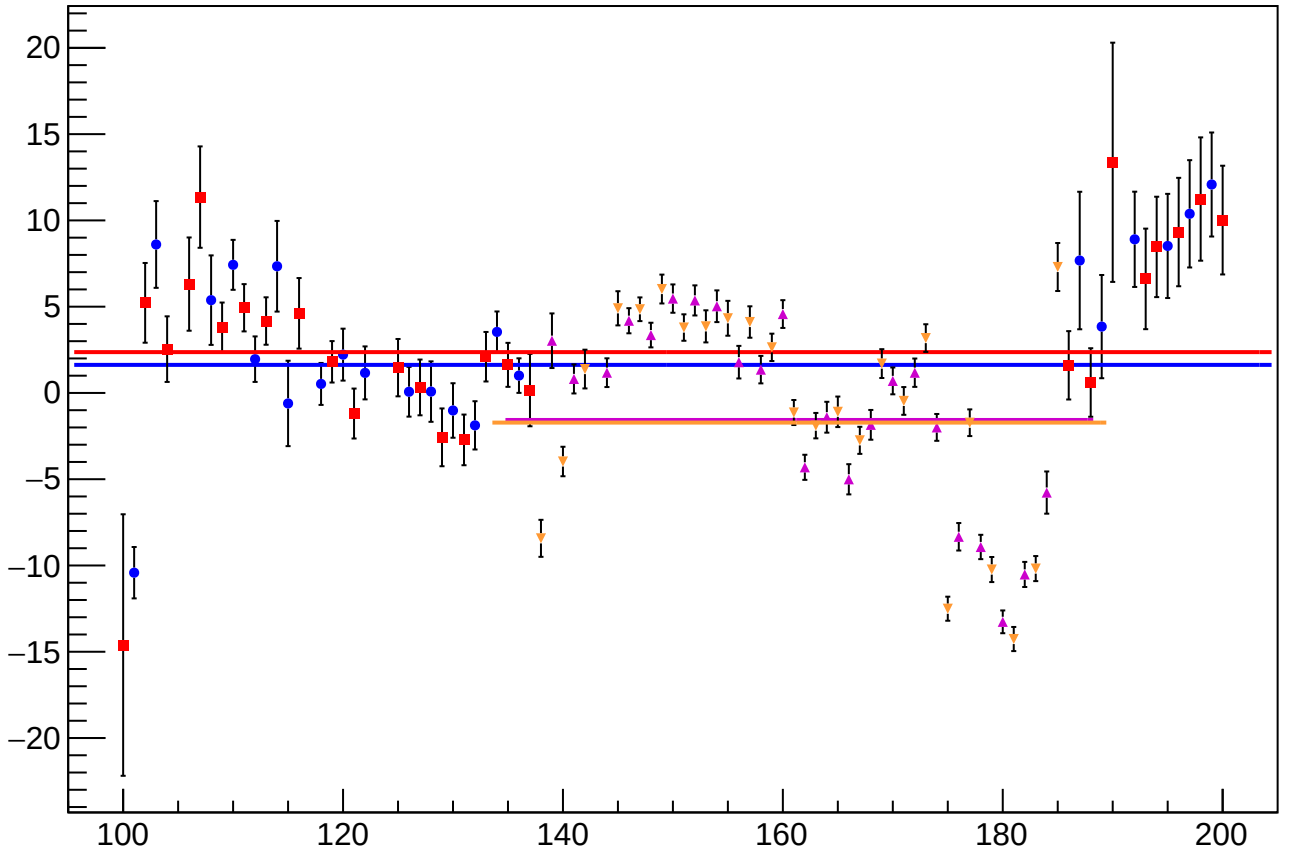
Right Out: -71.592+/-0.291 χ^2/NDF: 3310.0/25

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -52.274+/-0.164 χ^2/NDF: 7859.2/45

All: -53.721+/-0.115 χ^2/NDF: 18486.8/94

\- sign -55.122+/-0.161 χ^2/NDF: 10474.5/48



Right In: 1.626+/-0.360 χ^2/NDF: 146.9/21

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.366+/-0.362 χ^2/NDF: 82.8/25

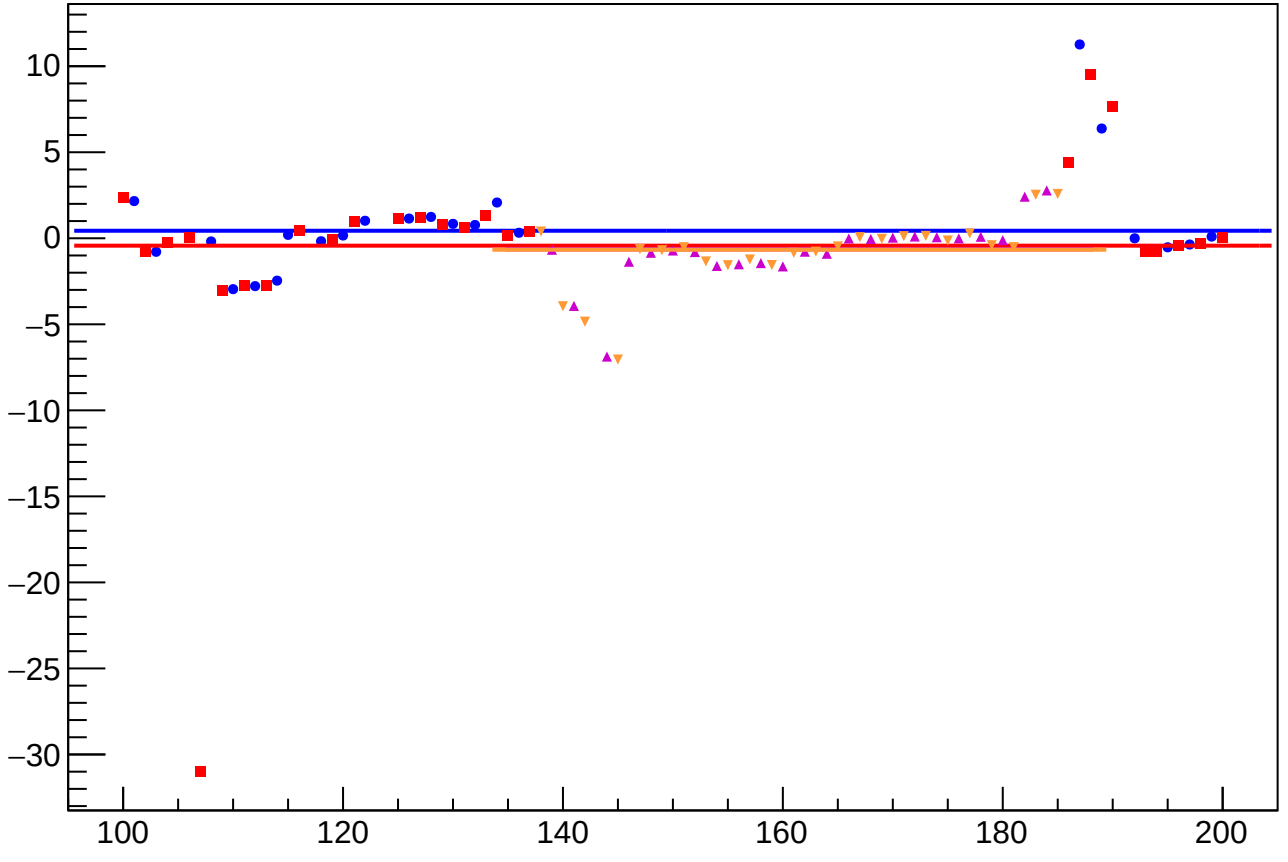
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.121+/-0.152 χ^2/NDF: 1624.0/45

All: -0.988+/-0.108 χ^2/NDF: 2922.5/94

- sign -0.852+/-0.154 χ^2/NDF: 1297.0/48

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.437+/-0.019 χ^2/NDF: 9631.2/21

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.430+/-0.019 χ^2/NDF: 59969.5/25

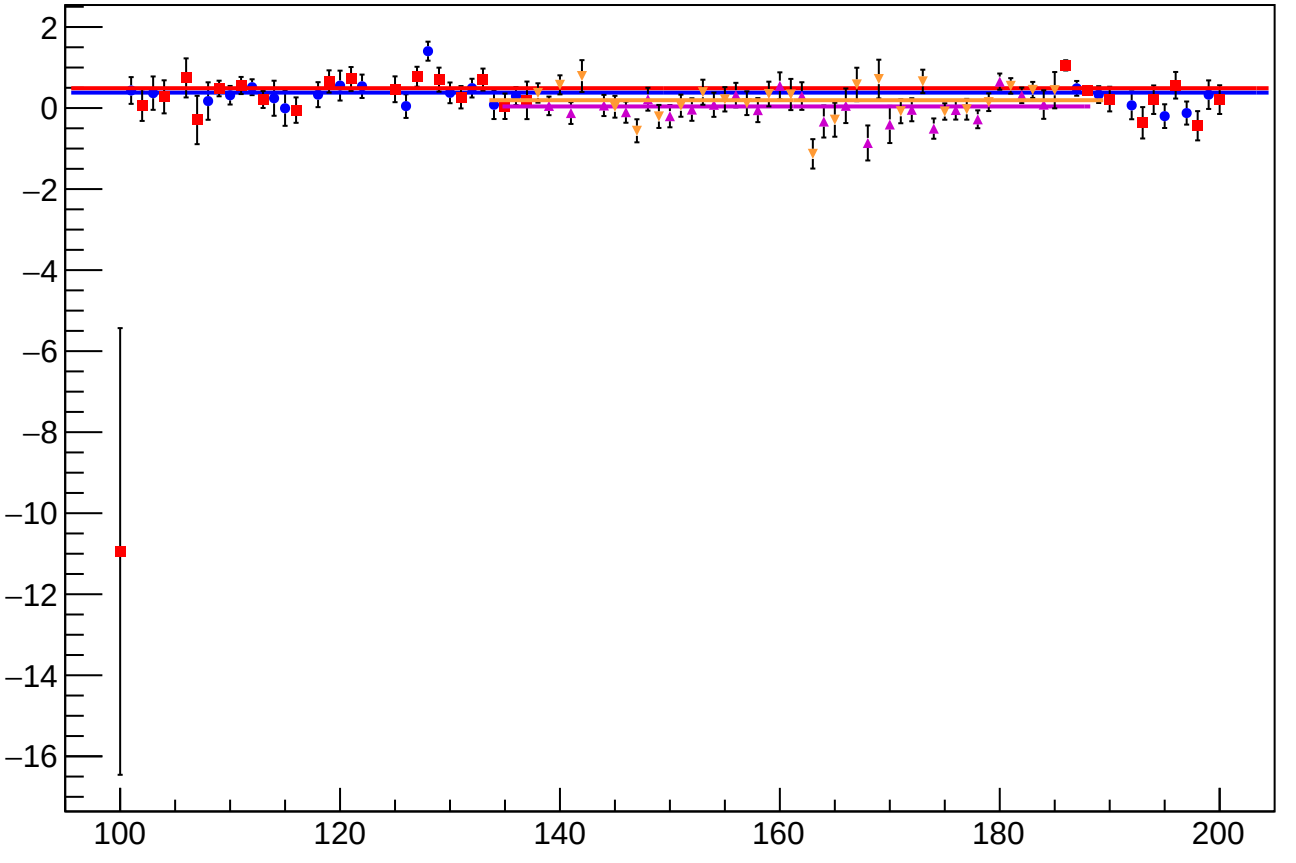
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.515+/-0.007 χ^2/NDF: 67860.2/45

All: -0.565+/-0.005 χ^2/NDF: 173617.9/94

- sign -0.617+/-0.007 χ^2/NDF: 105651.6/48

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.381+/-0.059 χ^2/NDF: 32.0/21

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.490+/-0.049 χ^2/NDF: 52.8/25

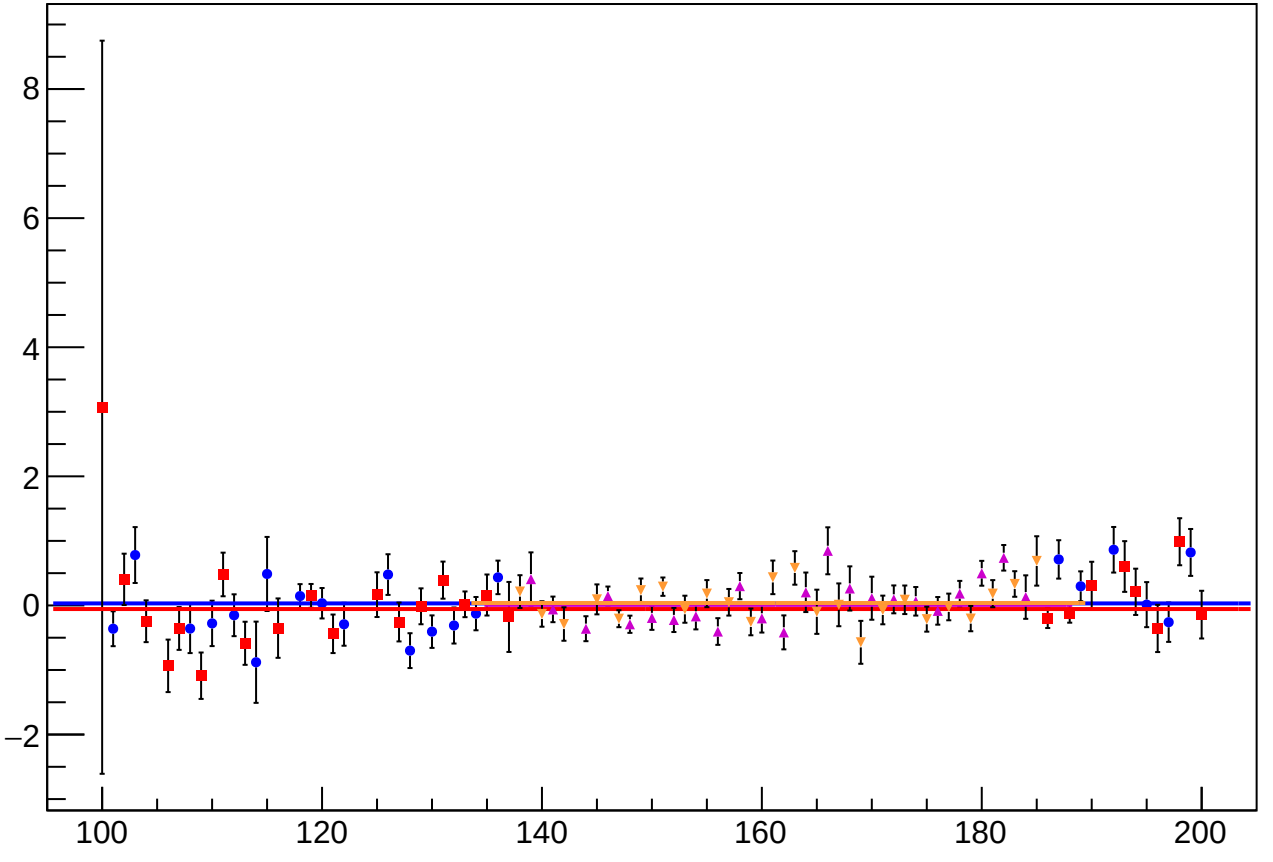
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.284+/-0.041 χ^2/NDF: 81.4/45

All: 0.293+/-0.028 χ^2/NDF: 200.1/94

- sign 0.299+/-0.037 χ^2/NDF: 118.6/48

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.031+/-0.063 χ^2/NDF: 45.7/21

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.056+/-0.056 χ^2/NDF: 42.3/25

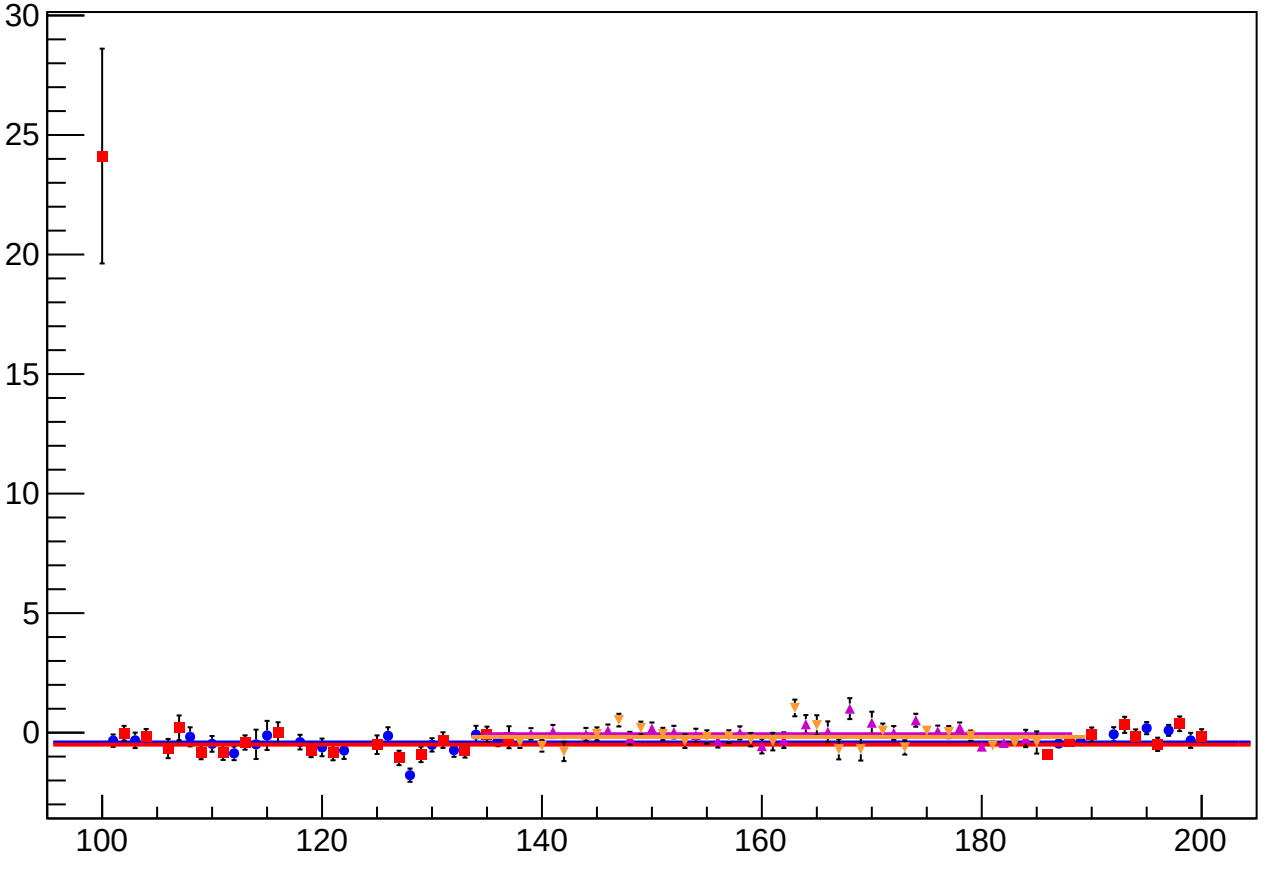
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.036+/-0.036 χ^2/NDF: 78.5/45

All: 0.009+/-0.025 χ^2/NDF: 174.1/94

- sign -0.016+/-0.035 χ^2/NDF: 94.5/48

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.411+/-0.059 χ^2/NDF: 43.8/21

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.500+/-0.047 χ^2/NDF: 84.5/25

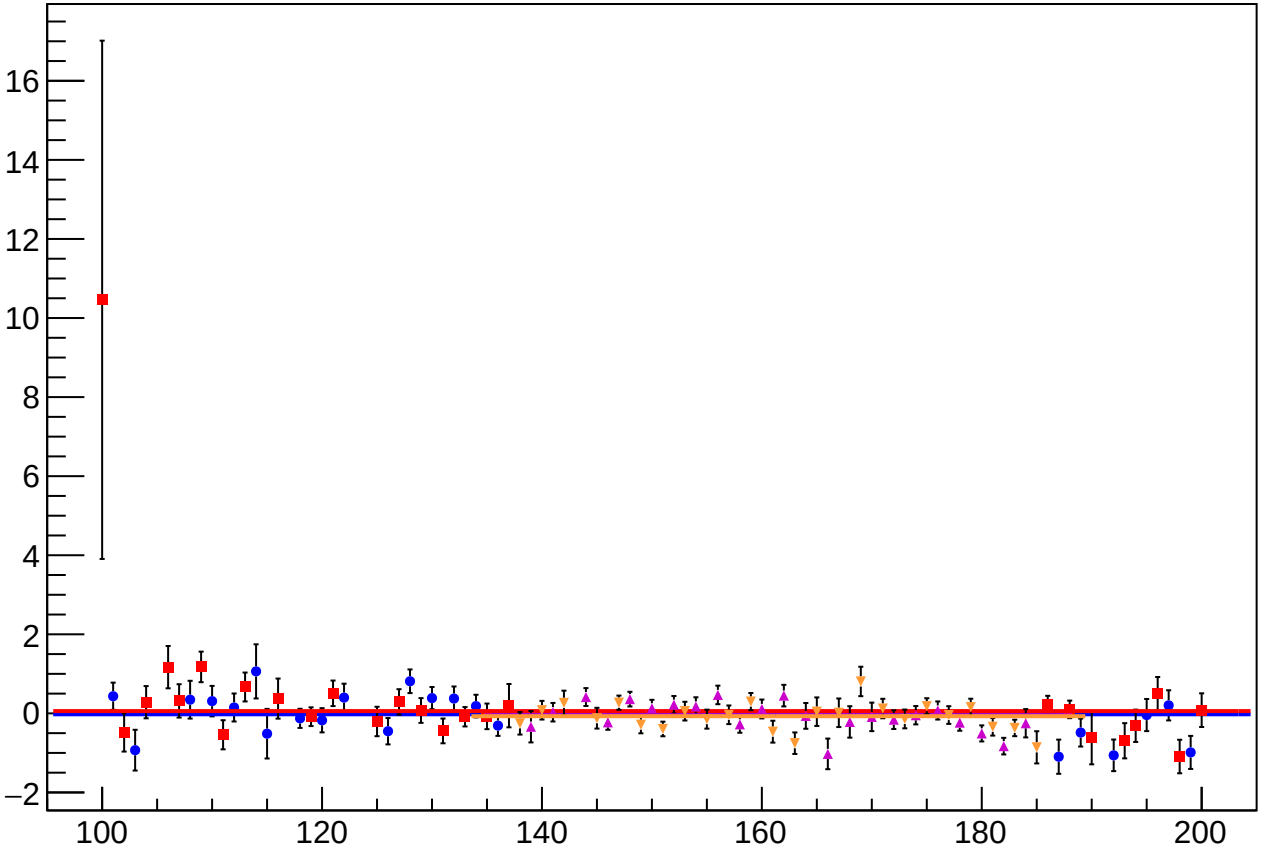
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.290+/-0.041 χ^2/NDF: 94.2/45

All: -0.309+/-0.027 χ^2/NDF: 245.2/94

- sign -0.325+/-0.036 χ^2/NDF: 150.6/48

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.023+/-0.074 χ^2/NDF: 46.7/21

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.058+/-0.069 χ^2/NDF: 43.0/25

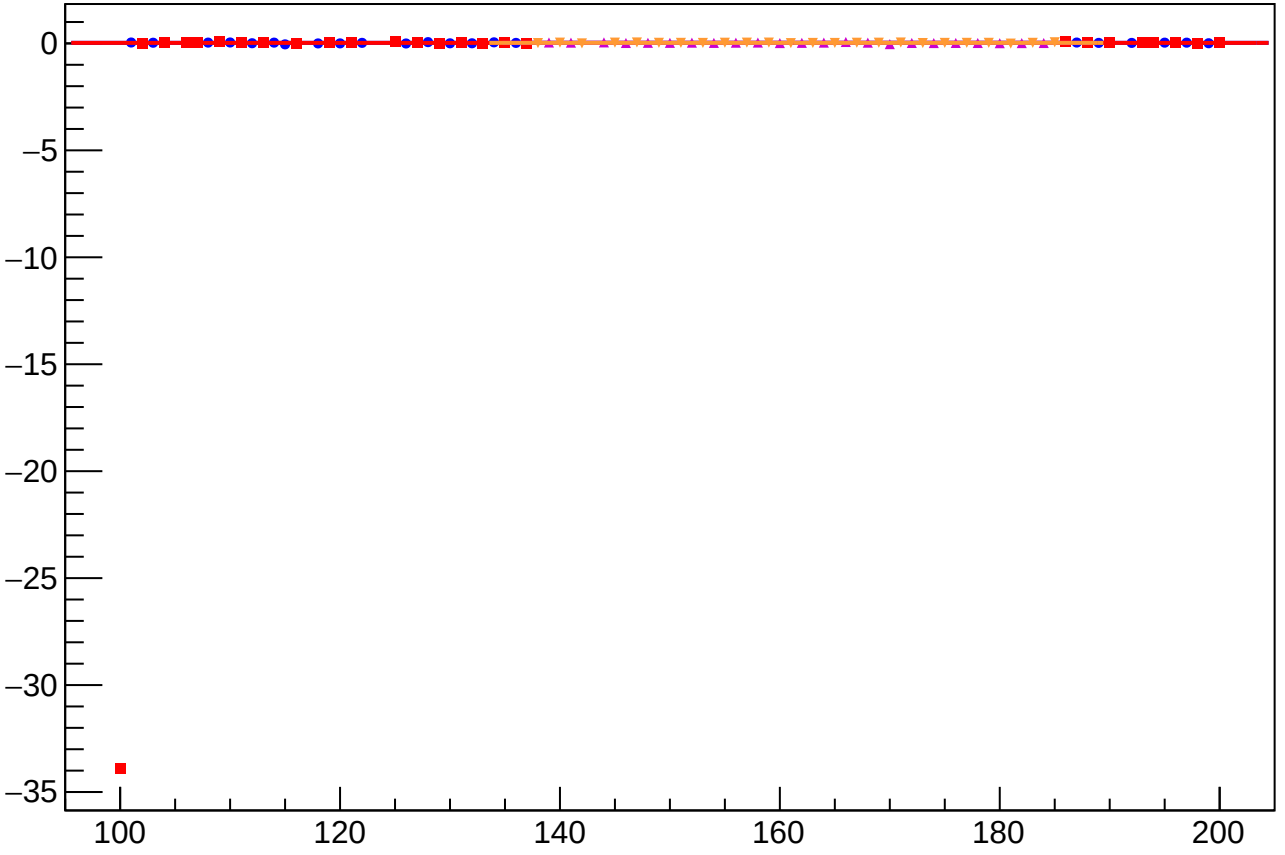
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.057+/-0.041 χ^2/NDF: 84.8/45

All: -0.034+/-0.029 χ^2/NDF: 180.4/94

- sign -0.011+/-0.041 χ^2/NDF: 95.0/48

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 18.6/21

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.003 χ^2/NDF: 22306.6/25

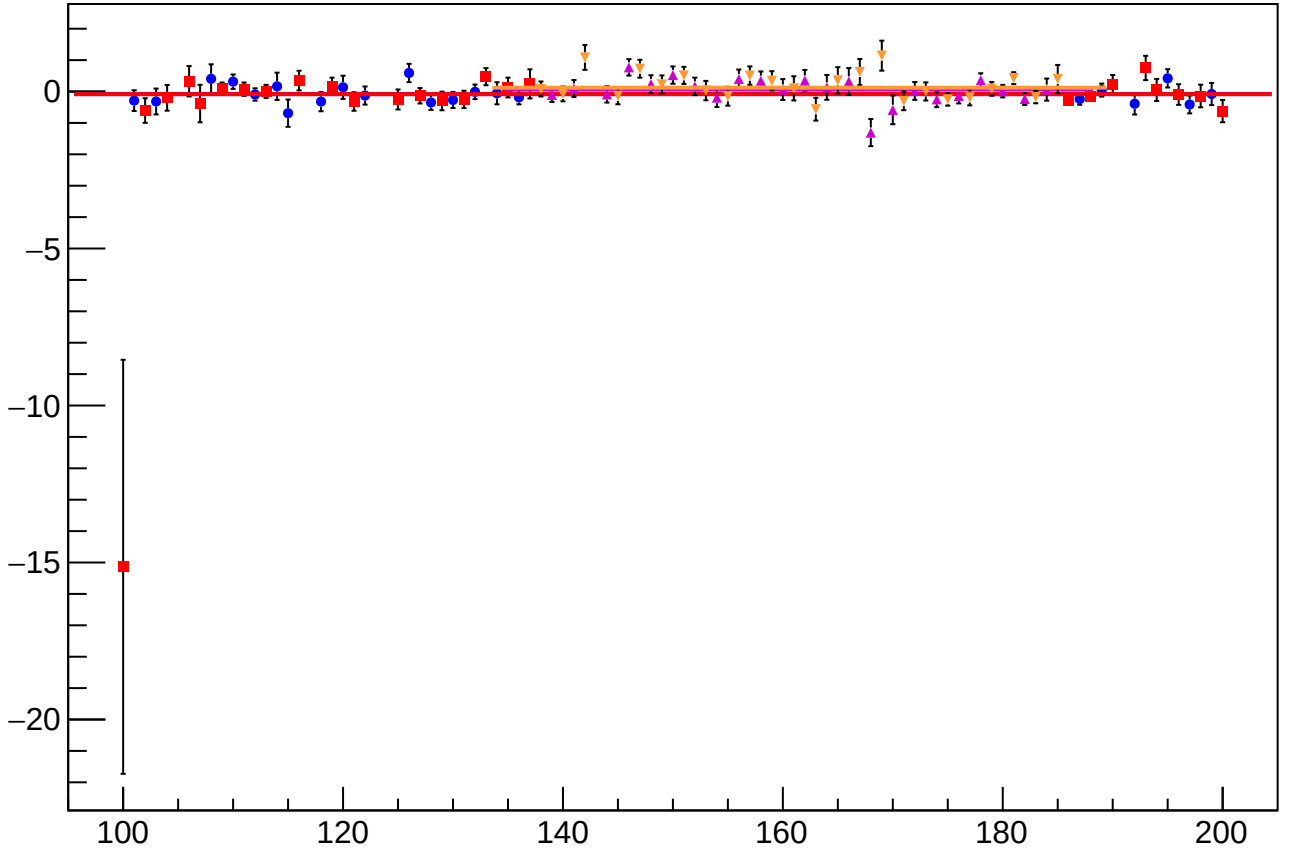
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 50.0/45

All: 0.026+/-0.001 χ^2/NDF: 22396.4/94

- sign 0.026+/-0.002 χ^2/NDF: 22346.3/48

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/21

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.083+/-0.049 χ^2/NDF: 30.9/25

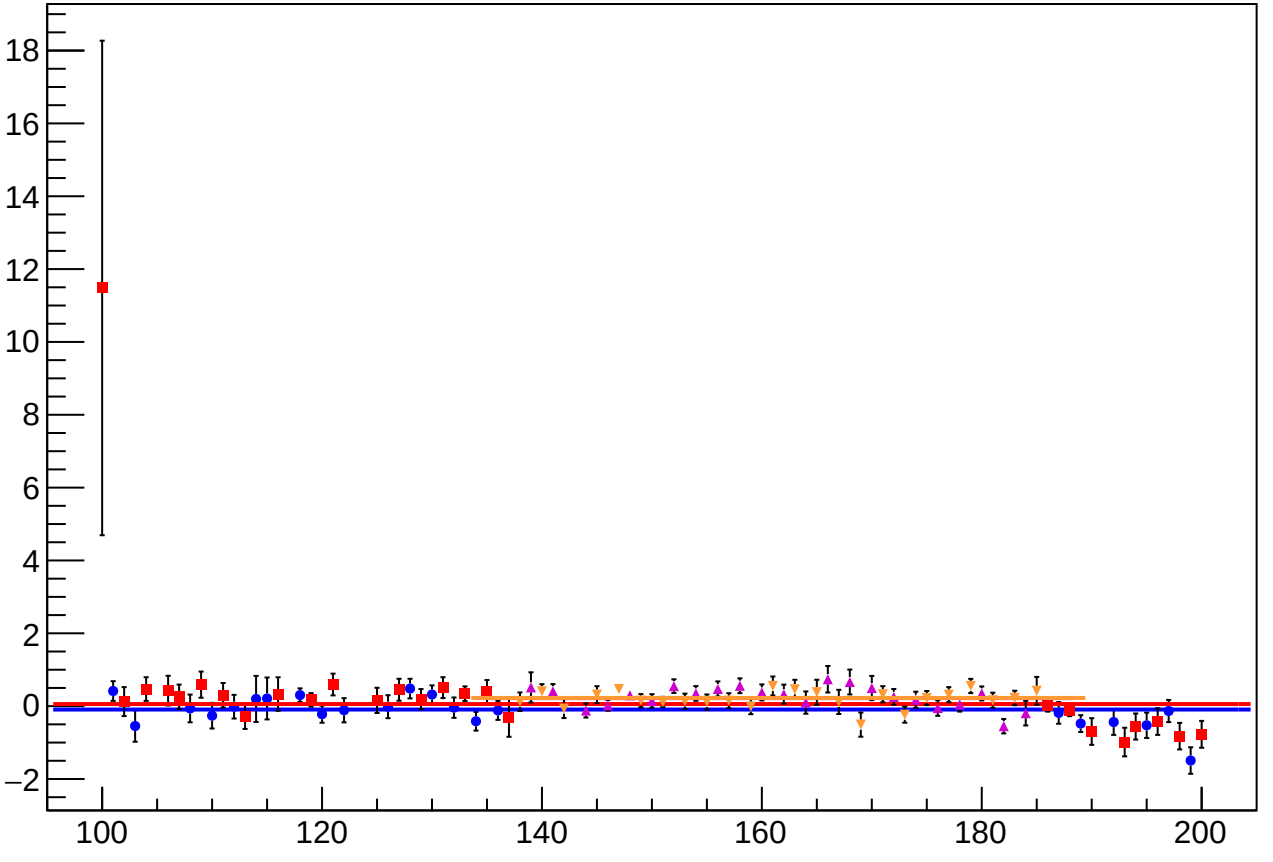
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.023+/-0.041 χ^2/NDF: 67.7/45

All: -0.001+/-0.028 χ^2/NDF: 137.2/94

- sign -0.021+/-0.037 χ^2/NDF: 68.9/48

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.093+/-0.063 χ^2/NDF: 39.4/21

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.057+/-0.056 χ^2/NDF: 50.1/25

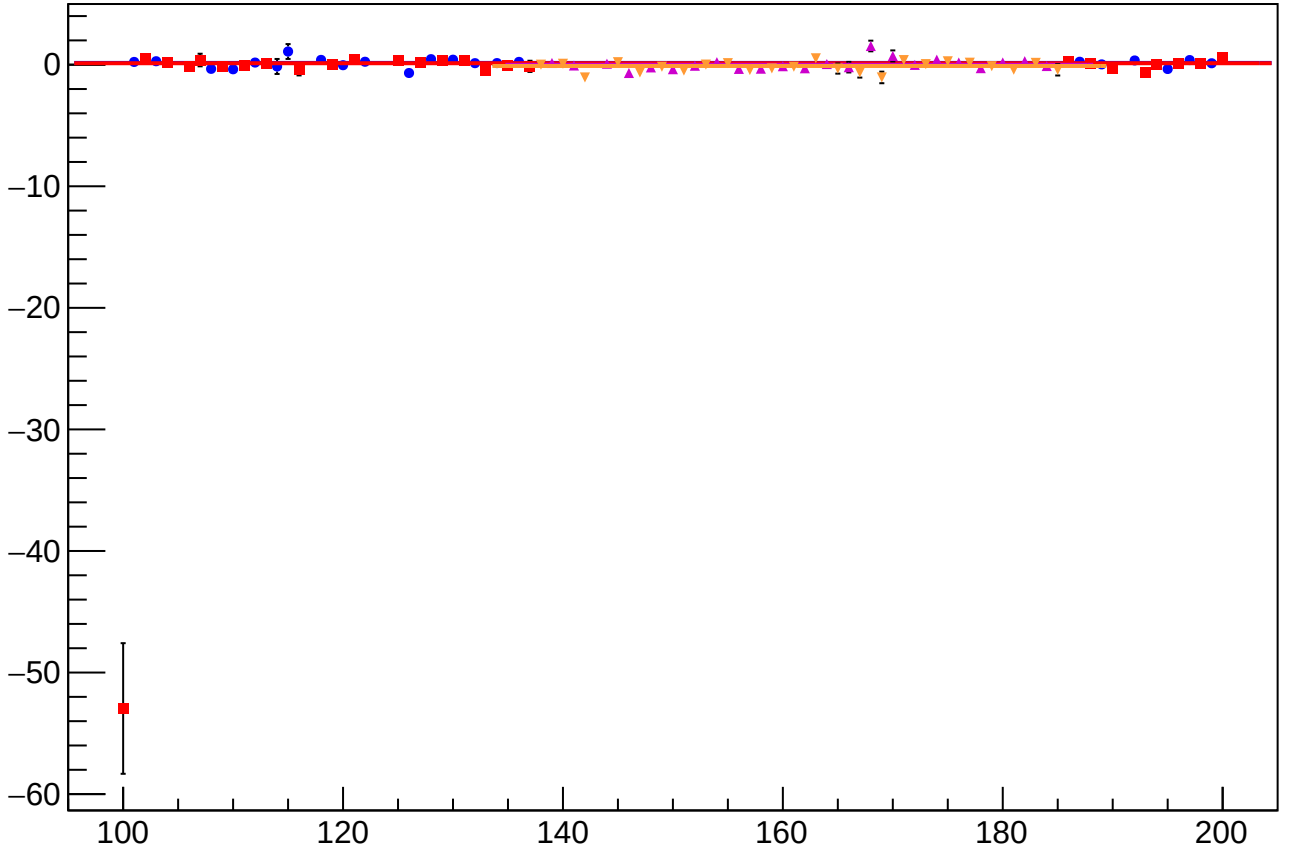
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.123+/-0.036 χ^2/NDF: 80.8/45

All: 0.141+/-0.025 χ^2/NDF: 176.0/94

- sign 0.159+/-0.035 χ^2/NDF: 94.6/48

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.147+/-0.059 χ^2/NDF: 21.9/21

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.122+/-0.047 χ^2/NDF: 120.4/25

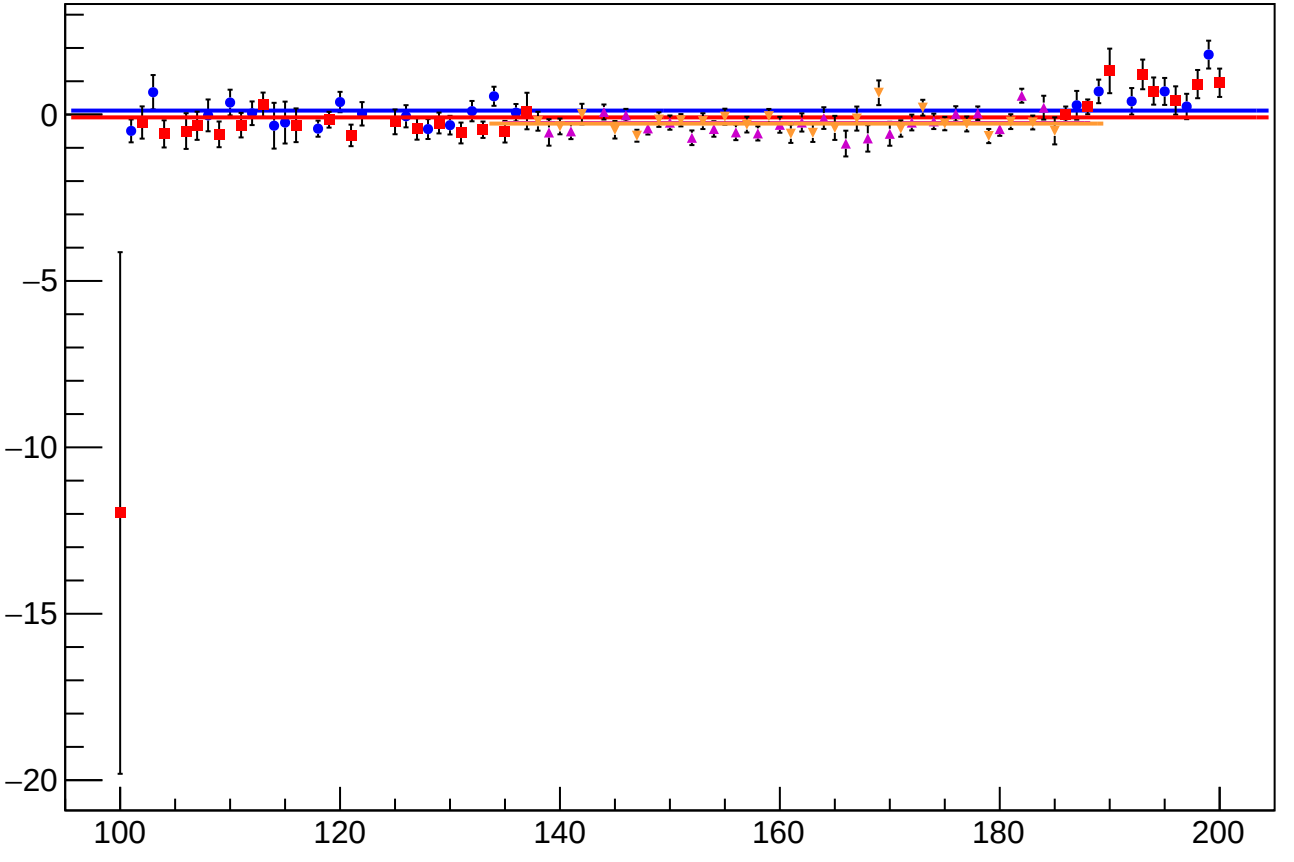
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.016+/-0.041 χ^2/NDF: 69.1/45

All: 0.046+/-0.027 χ^2/NDF: 231.7/94

- sign 0.069+/-0.036 χ^2/NDF: 161.6/48

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.119+/-0.074 χ^2/NDF: 41.5/21

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.086+/-0.069 χ^2/NDF: 50.8/25

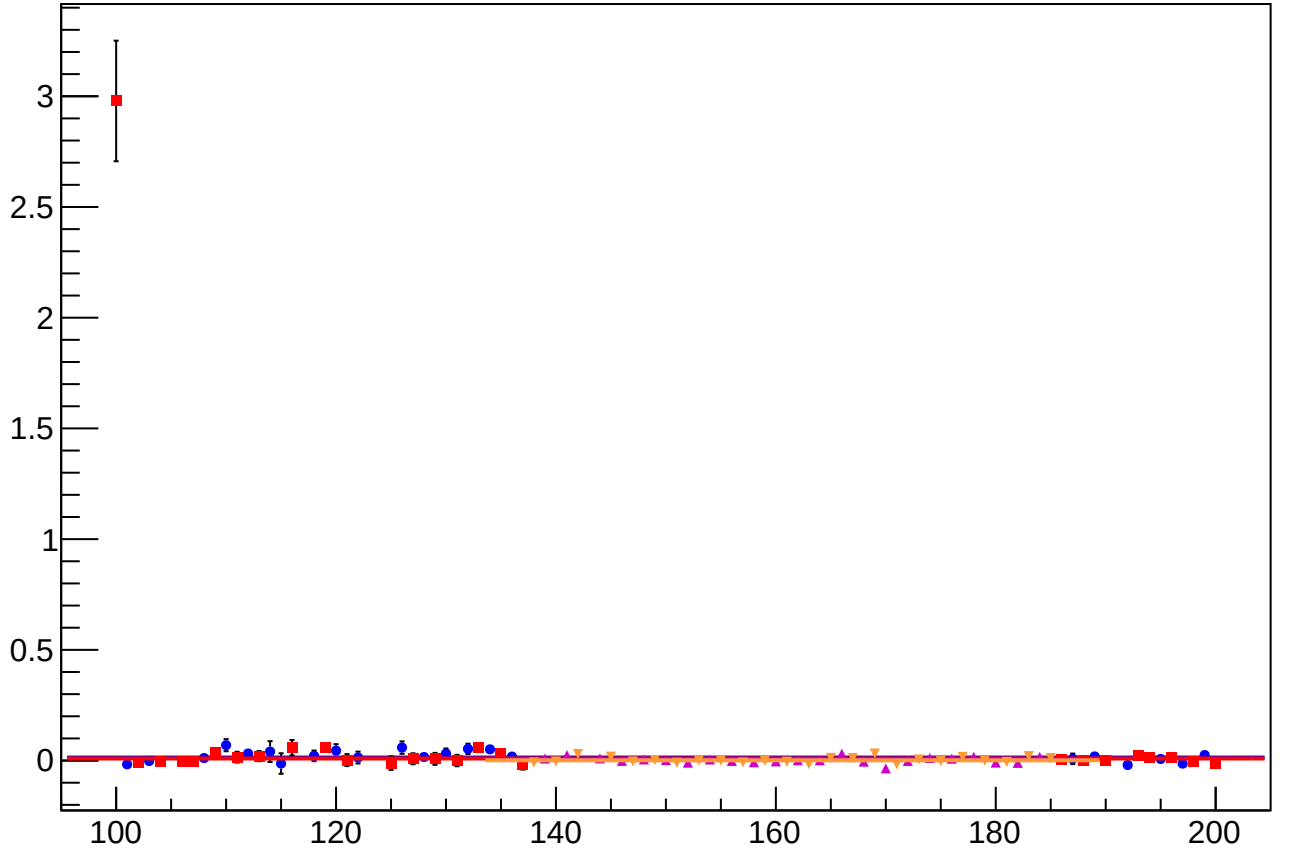
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.153+/-0.041 χ^2/NDF: 85.4/45

All: -0.175+/-0.029 χ^2/NDF: 181.3/94

- sign -0.196+/-0.041 χ^2/NDF: 95.3/48

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.014+/-0.004 χ^2/NDF: 37.9/21

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 148.7/25

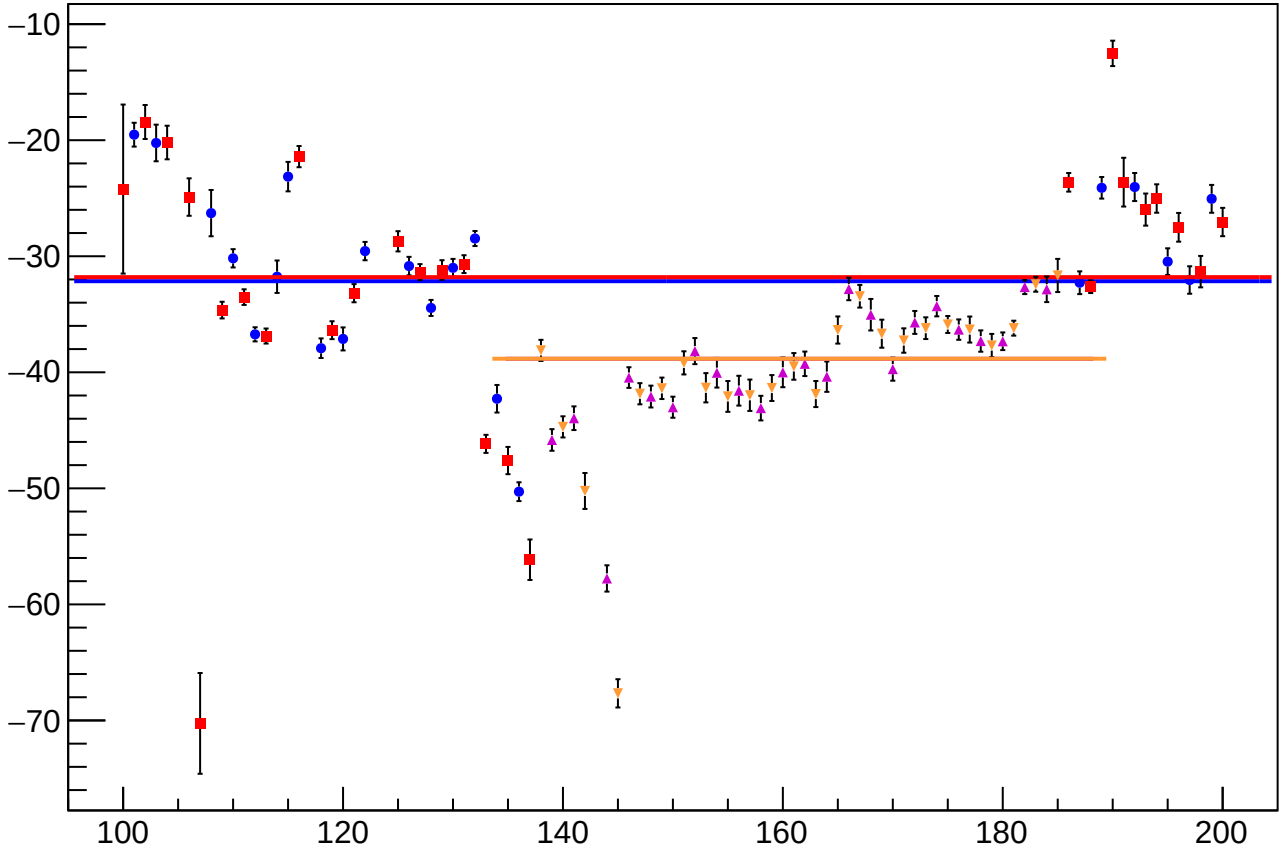
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 73.0/45

All: 0.004+/-0.001 χ^2/NDF: 249.4/94

- sign 0.004+/-0.002 χ^2/NDF: 176.4/48

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.150+/-0.196 χ^2/NDF: 1192.0/21

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.802+/-0.181 χ^2/NDF: 1736.2/26

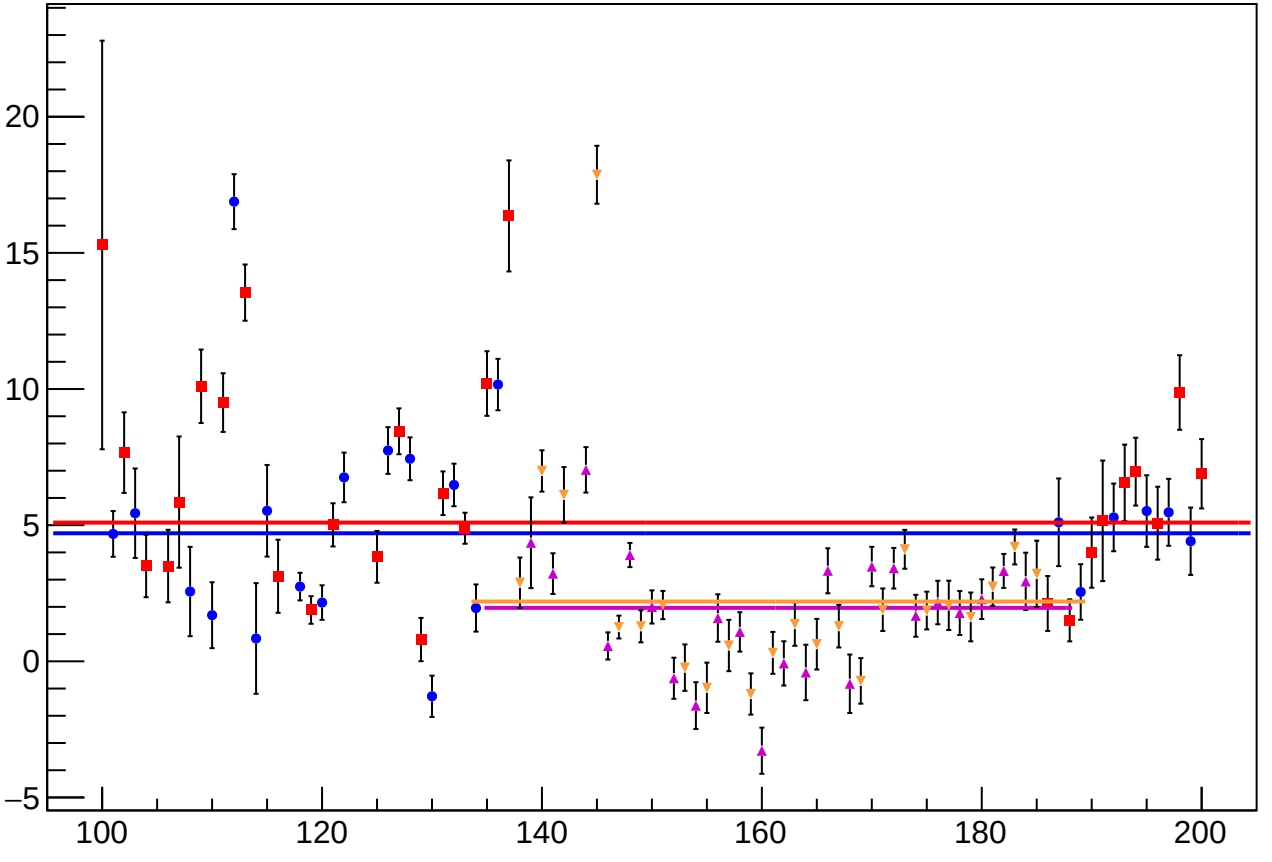
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.384+/-0.141 χ^2/NDF: 2672.6/45

All: -35.134+/-0.097 χ^2/NDF: 5737.0/95

\- sign -34.904+/-0.135 χ^2/NDF: 3058.4/49

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.702+/-0.201 χ^2/NDF: 335.2/21

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.095+/-0.195 χ^2/NDF: 294.3/26

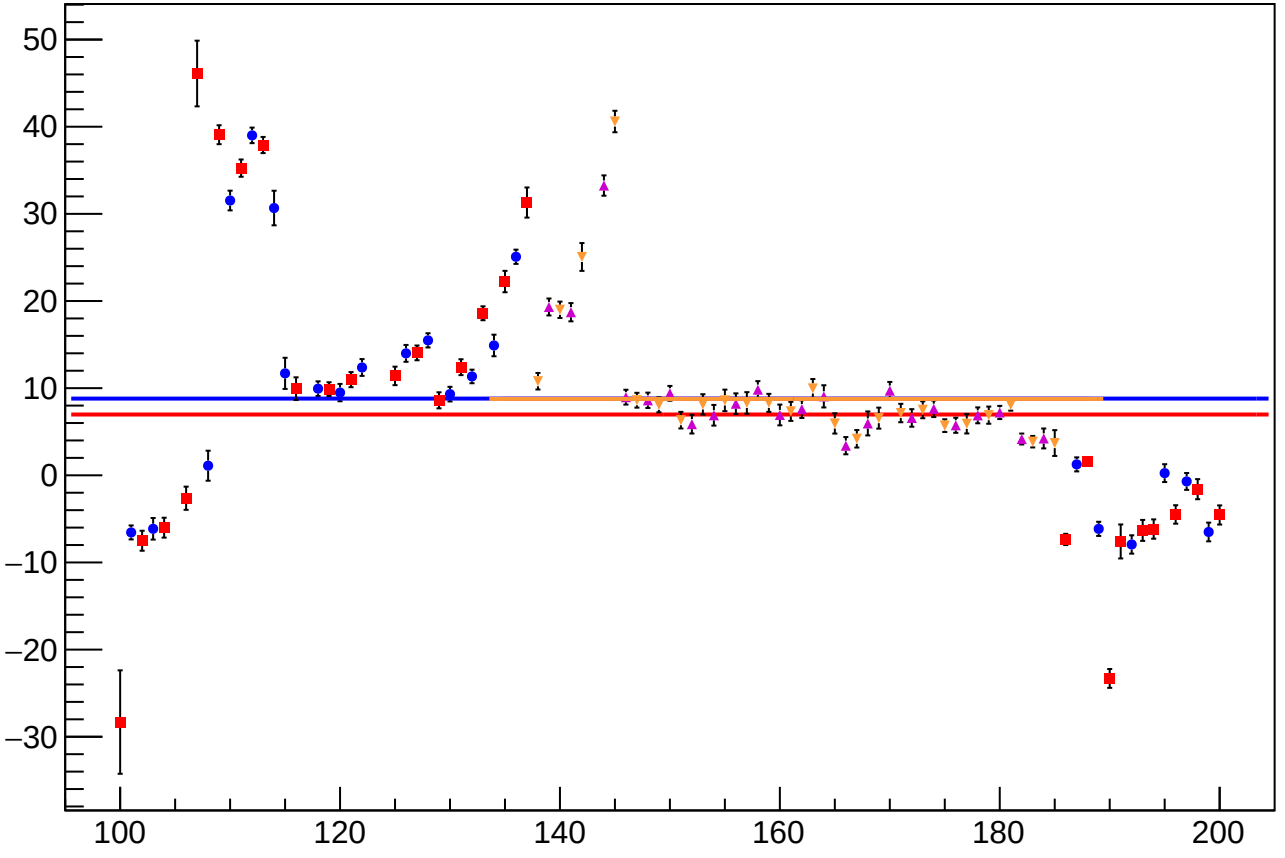
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.107+/-0.121 χ^2/NDF: 799.1/45

All: 3.142+/-0.086 χ^2/NDF: 1425.3/95

- sign 3.176+/-0.121 χ^2/NDF: 626.1/49

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 8.804+/-0.207 χ^2/NDF: 3799.7/21

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.976+/-0.187 χ^2/NDF: 6047.4/26

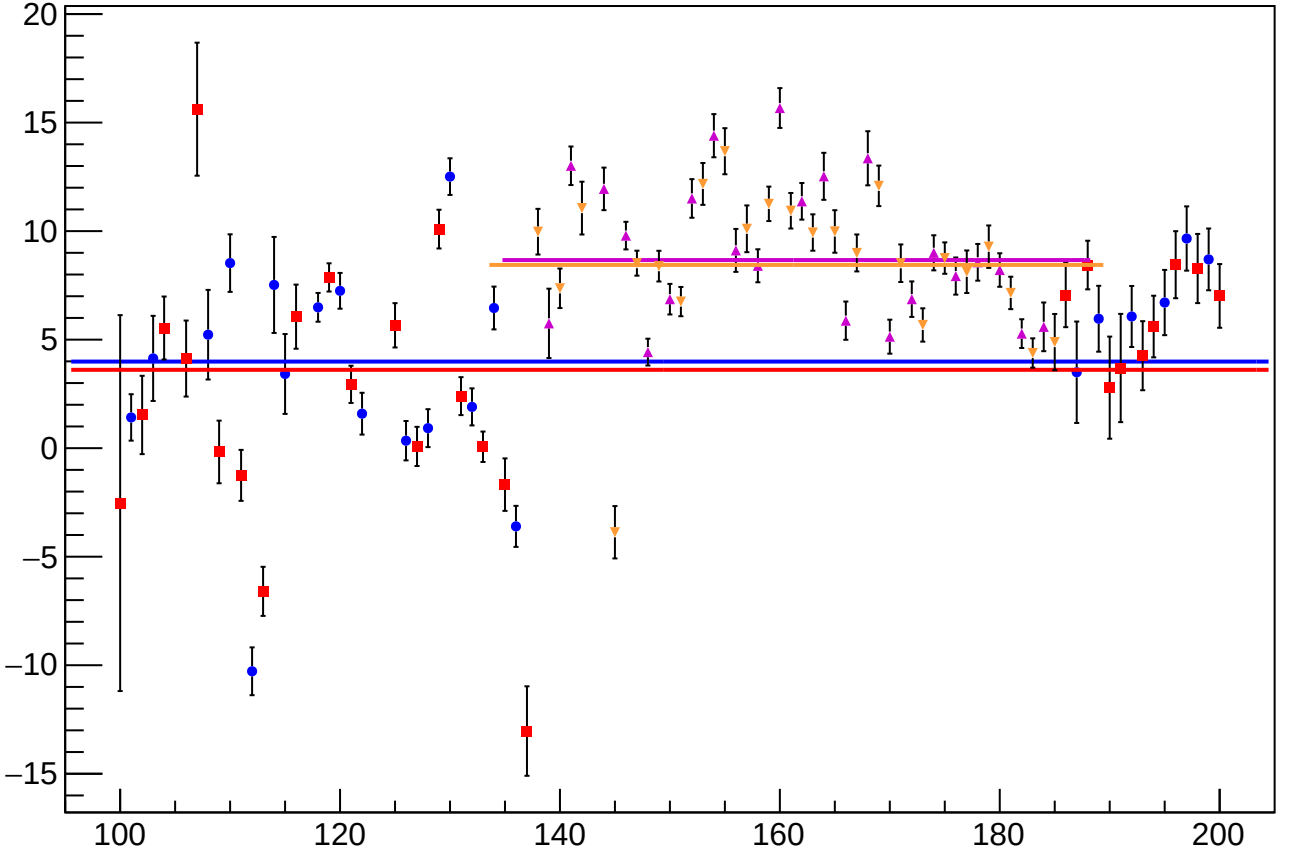
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 8.784+/-0.144 χ^2/NDF: 4835.1/45

All: 8.272+/-0.099 χ^2/NDF: 11744.4/95

\- sign 7.808+/-0.137 χ^2/NDF: 6885.2/49

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.990+/-0.235 χ^2/NDF: 464.5/21

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.610+/-0.230 χ^2/NDF: 404.8/26

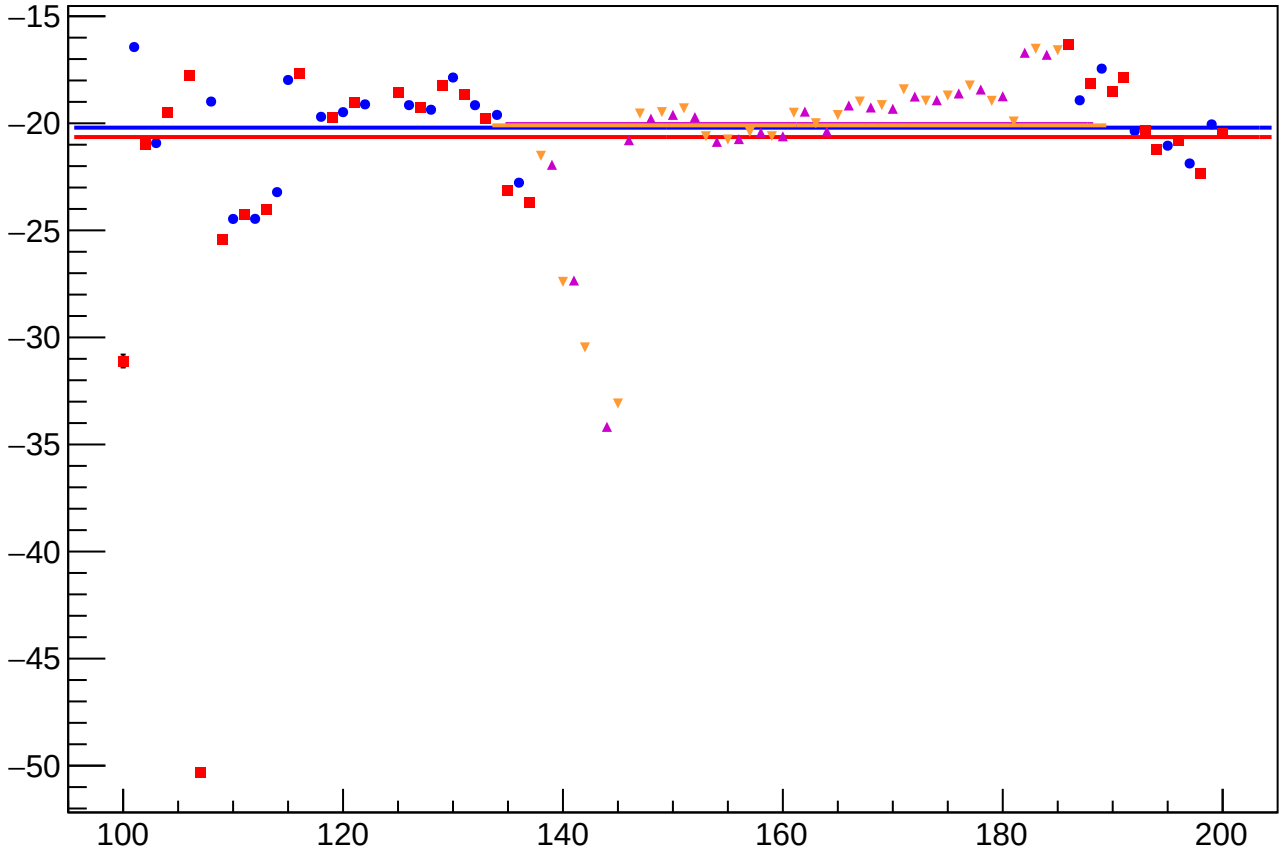
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.874+/-0.140 χ^2/NDF: 960.6/45

All: 6.840+/-0.099 χ^2/NDF: 1975.3/95

- sign 6.805+/-0.140 χ^2/NDF: 1014.6/49

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.203+/-0.013 χ^2/NDF: 23758.9/21

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.642+/-0.012 χ^2/NDF: 66221.3/26

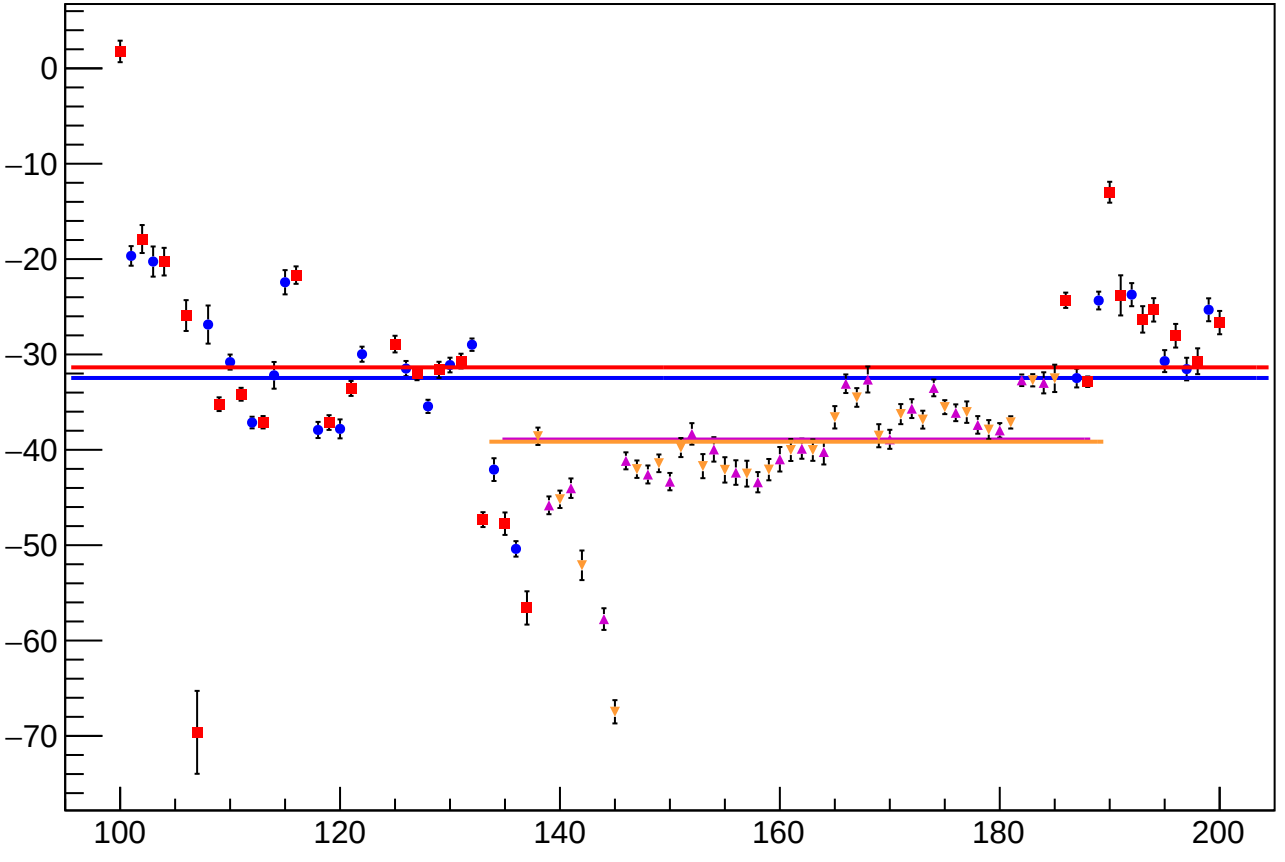
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.126+/-0.007 χ^2/NDF: 183104.1/45

All: -20.175+/-0.005 χ^2/NDF: 383510.0/95

- sign -20.222+/-0.007 χ^2/NDF: 200302.9/49

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.466+/-0.196 χ^2/NDF: 1198.7/21

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.353+/-0.179 χ^2/NDF: 2663.2/26

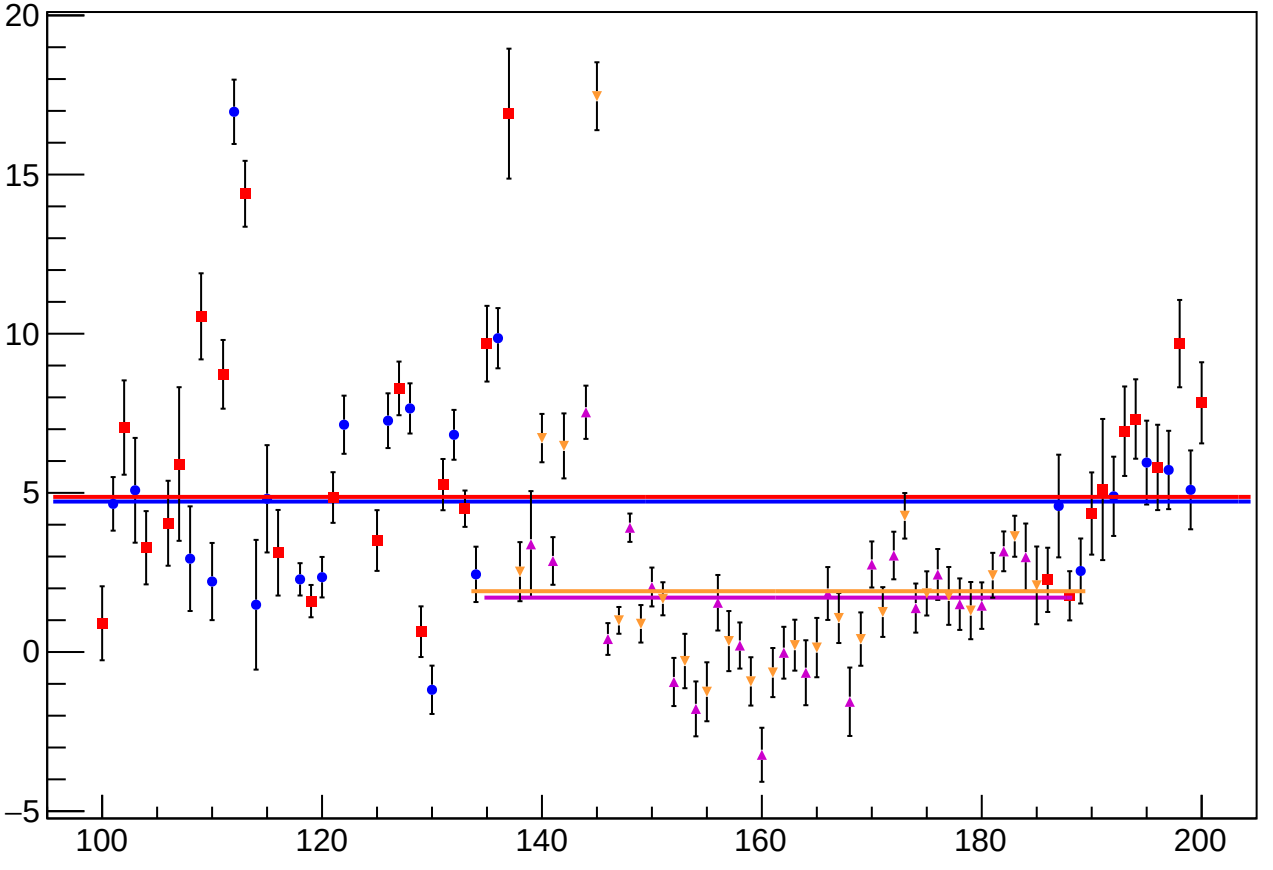
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -35.702+/-0.141 χ^2/NDF: 2659.3/45

All: -35.148+/-0.097 χ^2/NDF: 6816.0/95

\- sign -34.644+/-0.134 χ^2/NDF: 4127.2/49

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.727+/-0.202 χ^2/NDF: 331.9/21

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.873+/-0.192 χ^2/NDF: 320.3/26

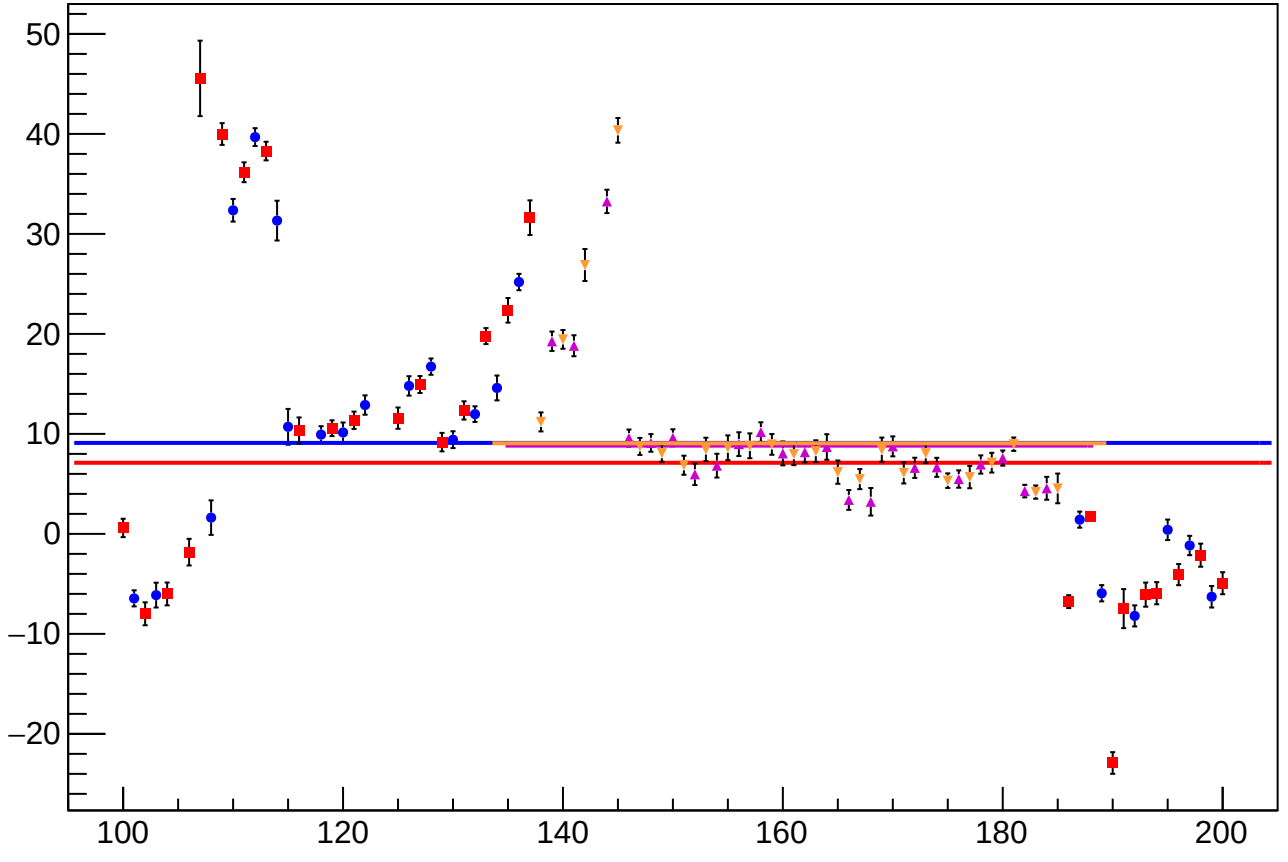
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.935+/-0.122 χ^2/NDF: 815.4/45

All: 2.945+/-0.086 χ^2/NDF: 1482.2/95

- sign 2.954+/-0.121 χ^2/NDF: 666.8/49

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 9.099+/-0.208 χ^2/NDF: 3910.5/21

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.113+/-0.184 χ^2/NDF: 6182.0/26

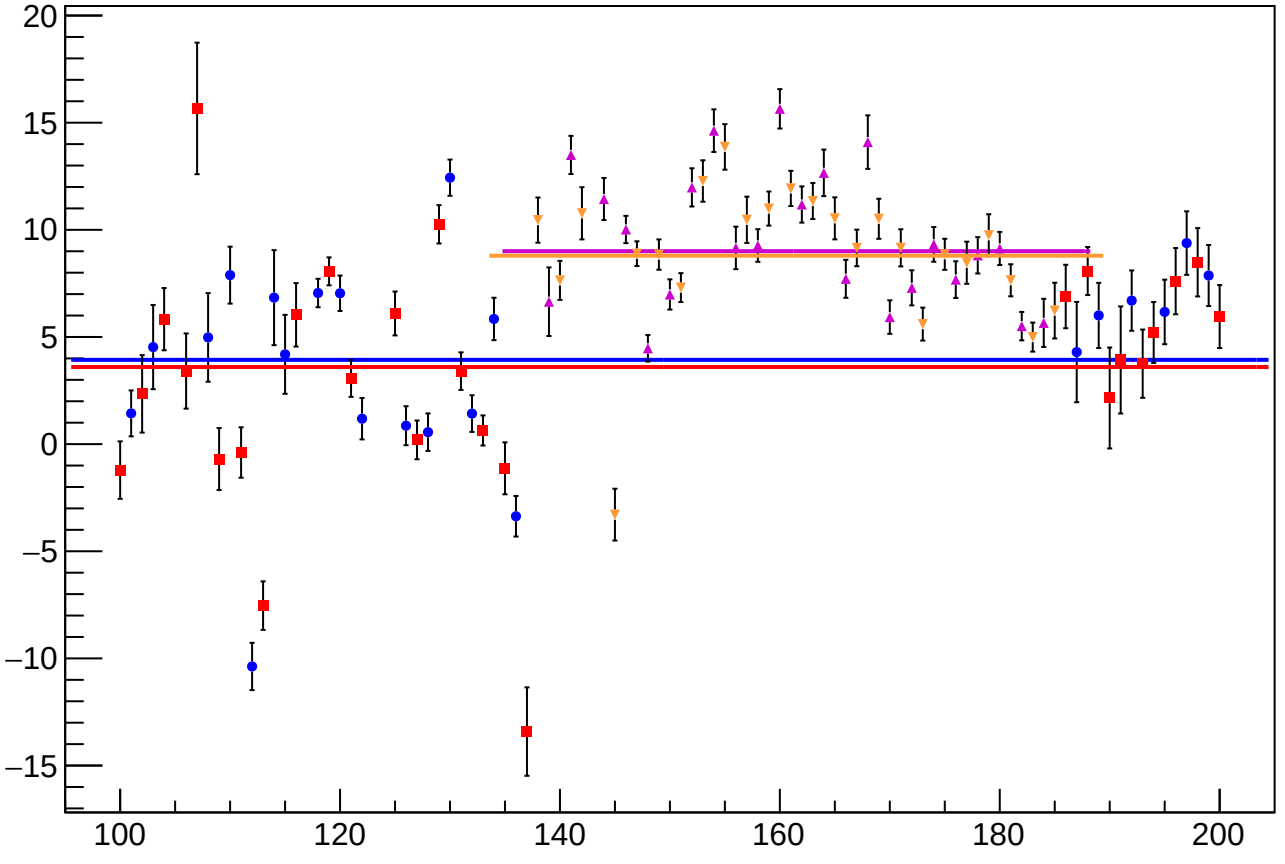
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.079+/-0.144 χ^2/NDF: 4944.0/45

All: 8.448+/-0.099 χ^2/NDF: 12002.8/95

- sign 7.889+/-0.136 χ^2/NDF: 7022.8/49

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.933+/-0.236 χ^2/NDF: 457.0/21

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.597+/-0.227 χ^2/NDF: 416.0/26

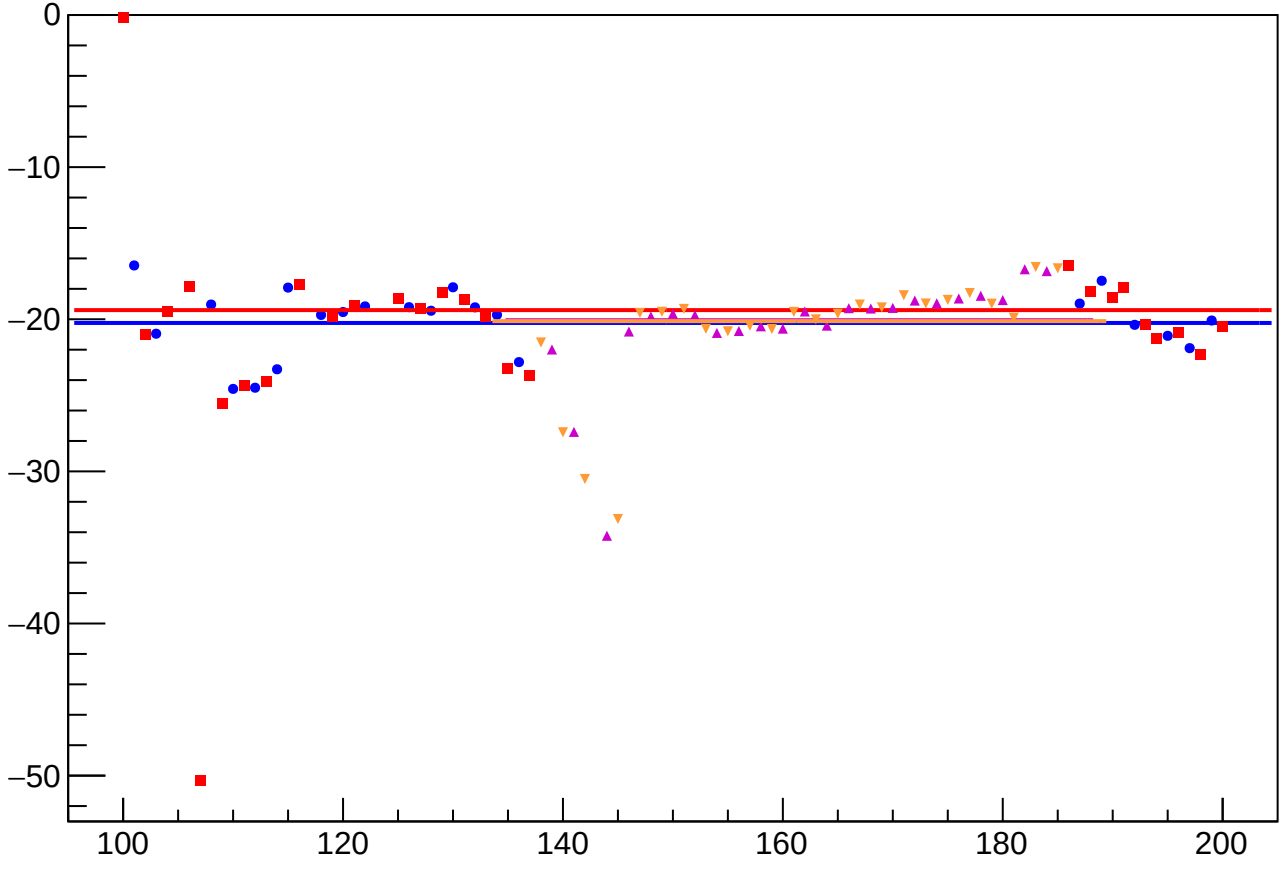
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.082+/-0.140 χ^2/NDF: 976.2/45

All: 7.030+/-0.099 χ^2/NDF: 2035.6/95

- sign 6.978+/-0.139 χ^2/NDF: 1059.1/49

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.243+/-0.013 χ^2/NDF: 23767.4/21

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.399+/-0.012 χ^2/NDF: 246370.4/26

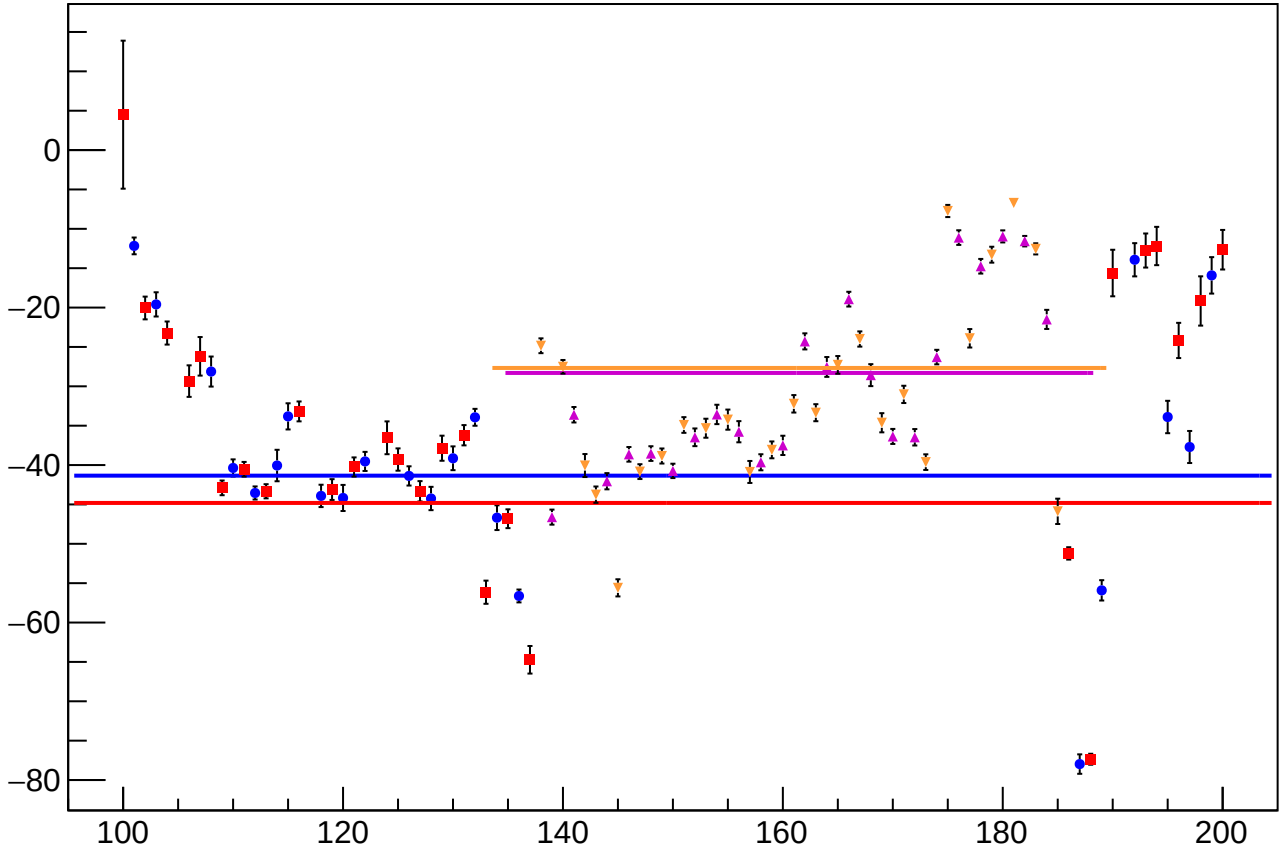
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.157+/-0.007 χ^2/NDF: 182410.3/45

All: -20.000+/-0.005 χ^2/NDF: 564778.8/95

- sign -19.852+/-0.007 χ^2/NDF: 381305.7/49

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.346+/-0.283 χ^2/NDF: 2766.0/21

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.811+/-0.256 χ^2/NDF: 4139.0/26

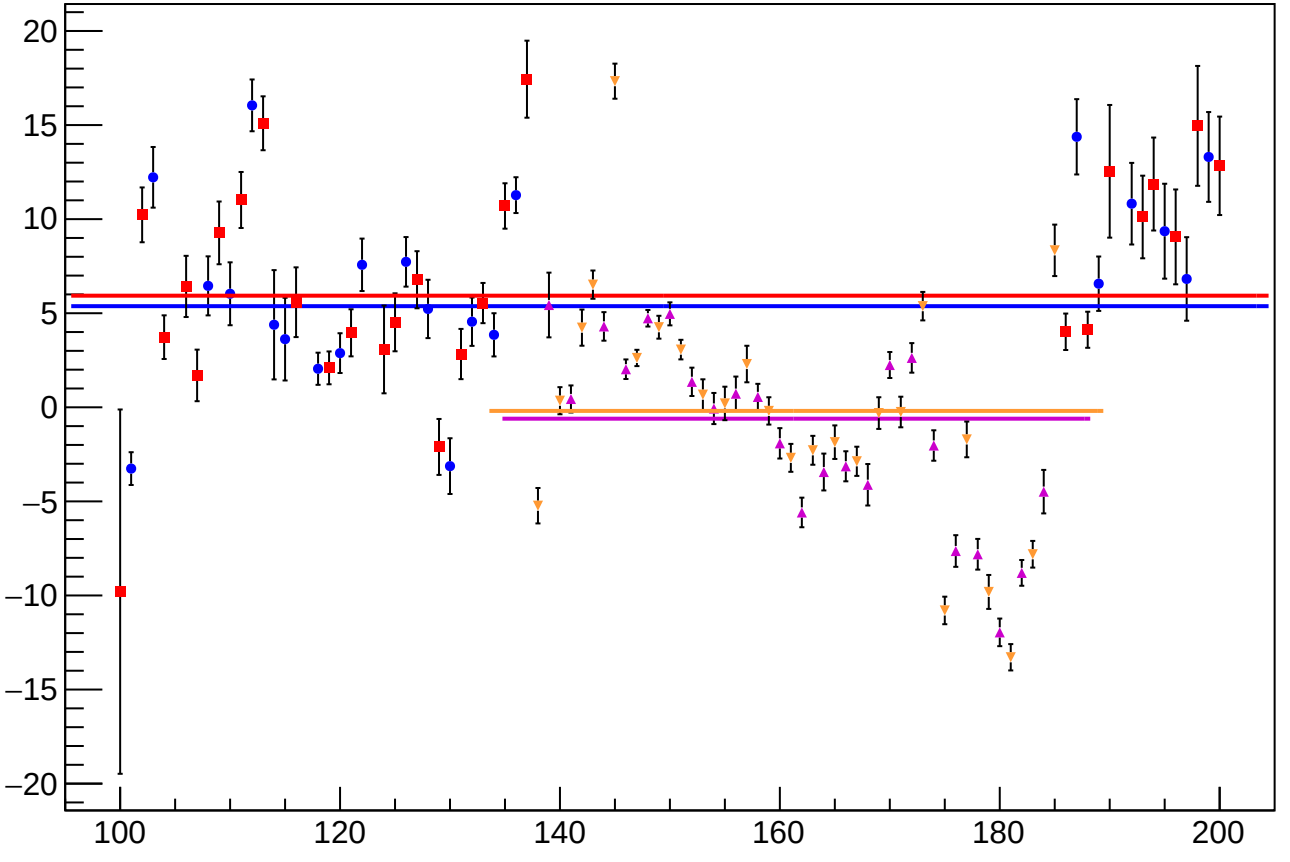
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.243+/-0.164 χ^2/NDF: 8720.2/46

All: -33.535+/-0.115 χ^2/NDF: 18780.3/96

- sign -34.779+/-0.160 χ^2/NDF: 9937.6/49

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.375+/-0.295 χ^2/NDF: 318.9/21

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.932+/-0.282 χ^2/NDF: 224.6/26

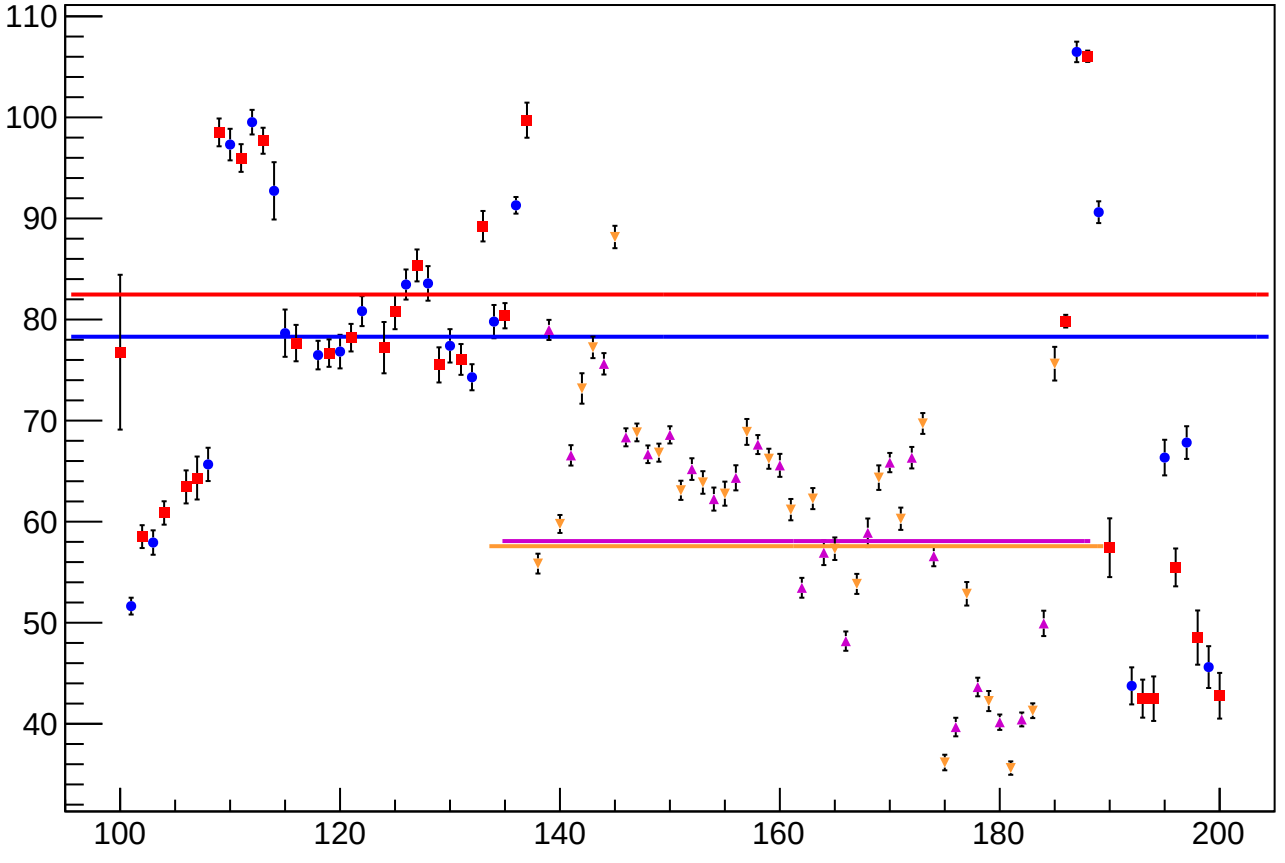
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.953+/-0.134 χ^2/NDF: 2147.2/46

All: 0.932+/-0.095 χ^2/NDF: 3758.1/96

- sign 0.911+/-0.136 χ^2/NDF: 1610.8/49

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 78.299+/-0.290 χ^2/NDF: 3728.3/21

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 82.475+/-0.256 χ^2/NDF: 4909.3/26

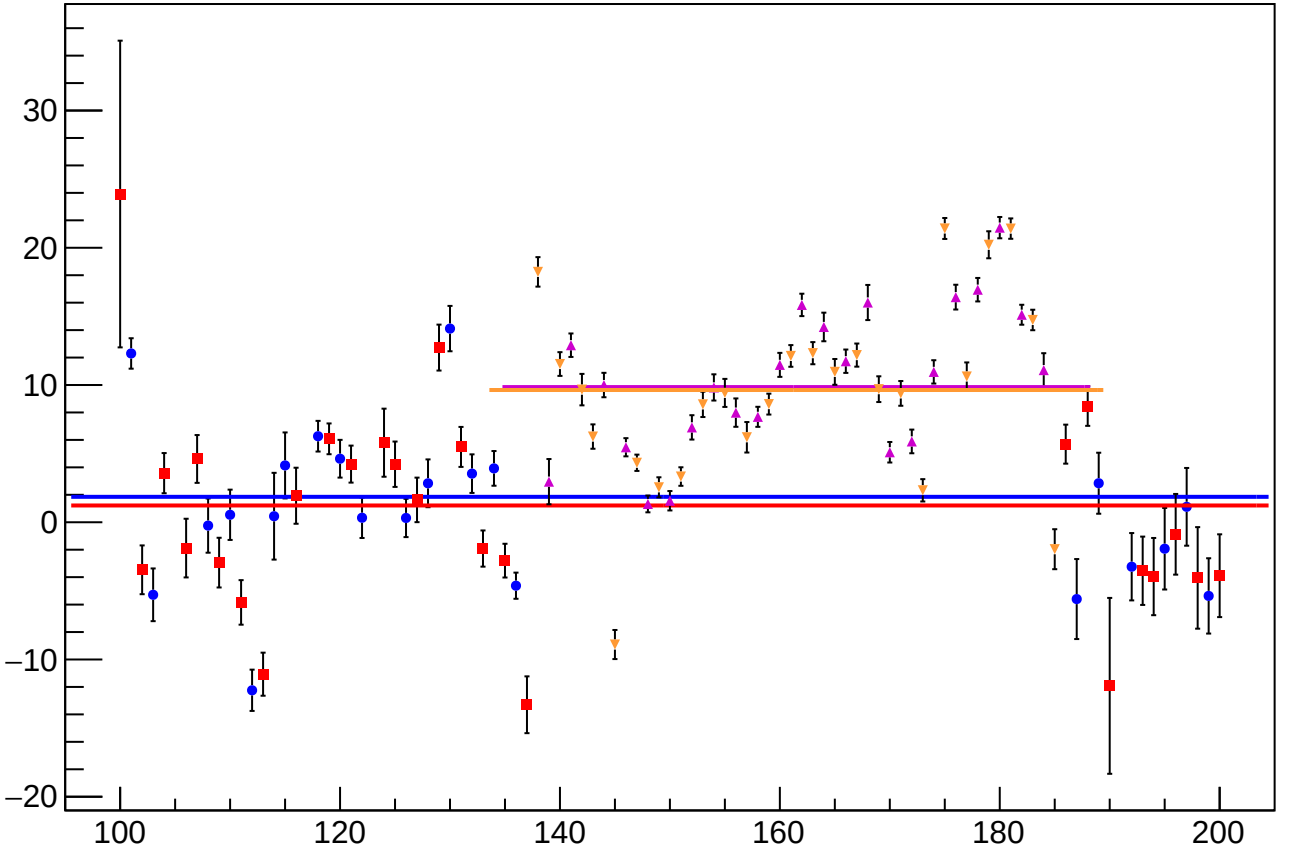
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.204+/-0.164 χ^2/NDF: 11884.8/46

All: 65.907+/-0.114 χ^2/NDF: 26121.5/96

- sign 67.514+/-0.159 χ^2/NDF: 14027.3/49

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.853+/-0.344 χ^2/NDF: 340.4/21

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.222+/-0.337 χ^2/NDF: 309.1/26

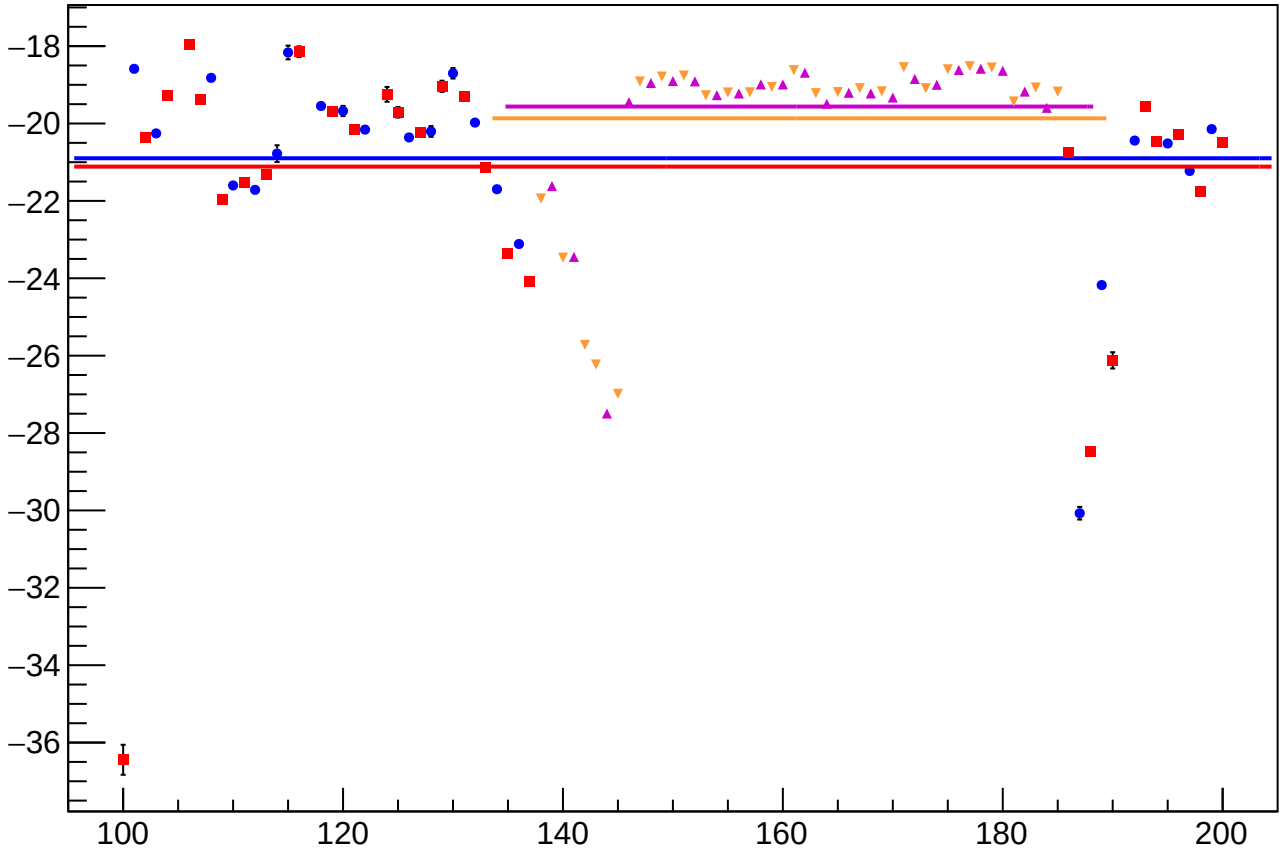
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.089+/-0.153 χ^2/NDF: 2241.8/46

All: 8.043+/-0.109 χ^2/NDF: 4058.8/96

- sign 7.995+/-0.156 χ^2/NDF: 1816.7/49

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.898+/-0.017 χ^2/NDF: 12010.0/21

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.114+/-0.017 χ^2/NDF: 20000.3/26

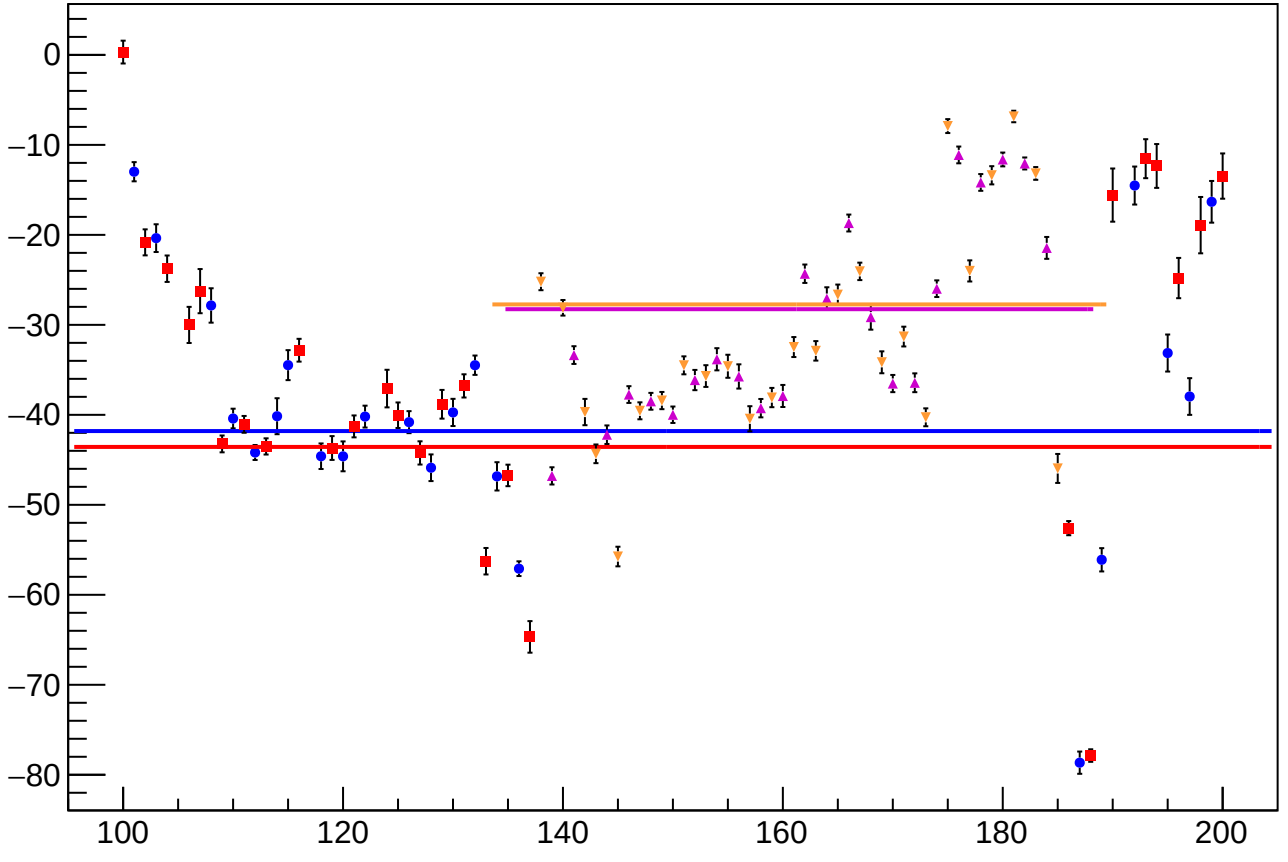
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.042+/-0.007 χ^2/NDF: 93840.3/46

All: -19.940+/-0.005 χ^2/NDF: 166155.7/96

- sign -19.836+/-0.007 χ^2/NDF: 71905.4/49

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.803+/-0.283 χ^2/NDF: 2753.4/21

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.566+/-0.251 χ^2/NDF: 5387.6/26

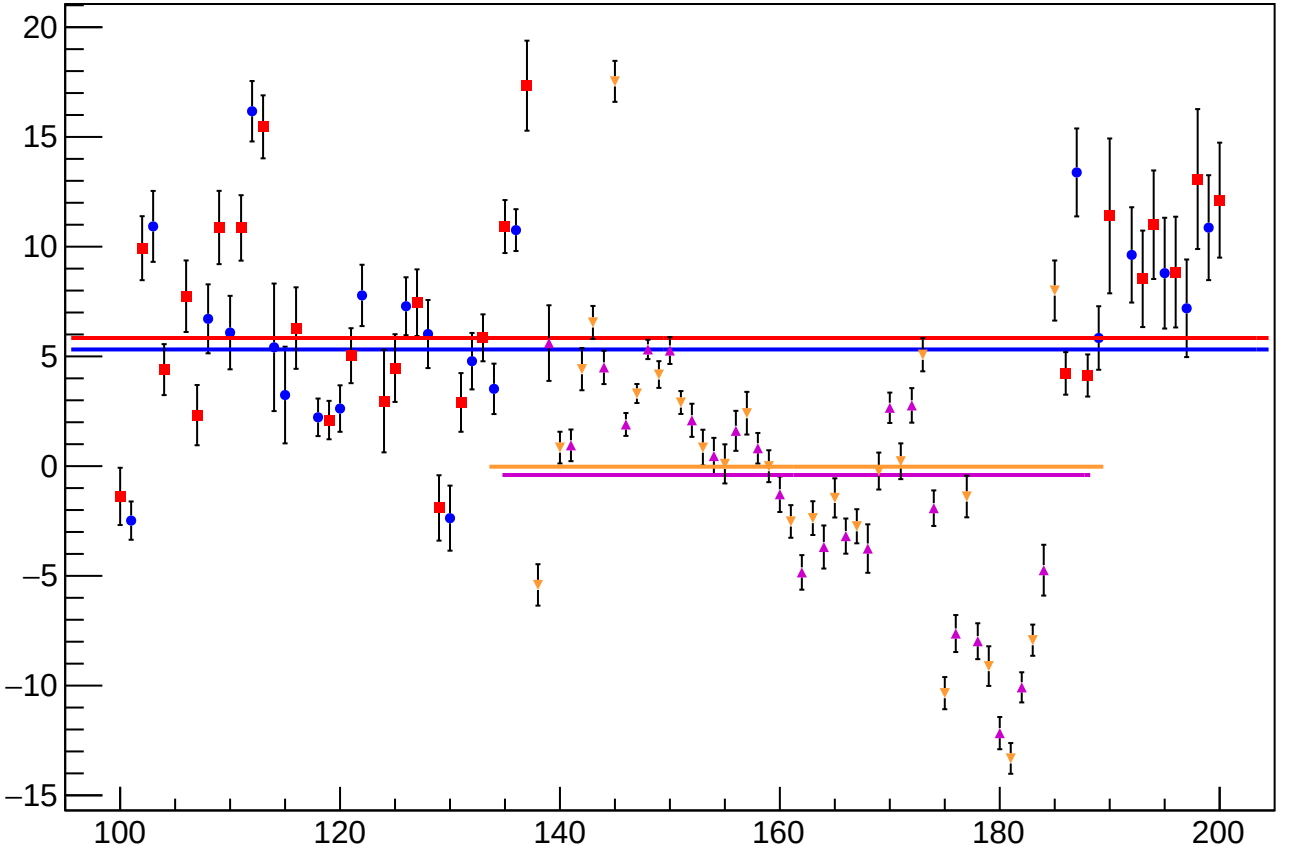
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.437+/-0.164 χ^2/NDF: 8697.2/46

All: -33.451+/-0.114 χ^2/NDF: 19547.5/96

- sign -34.412+/-0.159 χ^2/NDF: 10775.6/49

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.316+/-0.295 χ^2/NDF: 271.3/21

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.839+/-0.277 χ^2/NDF: 243.1/26

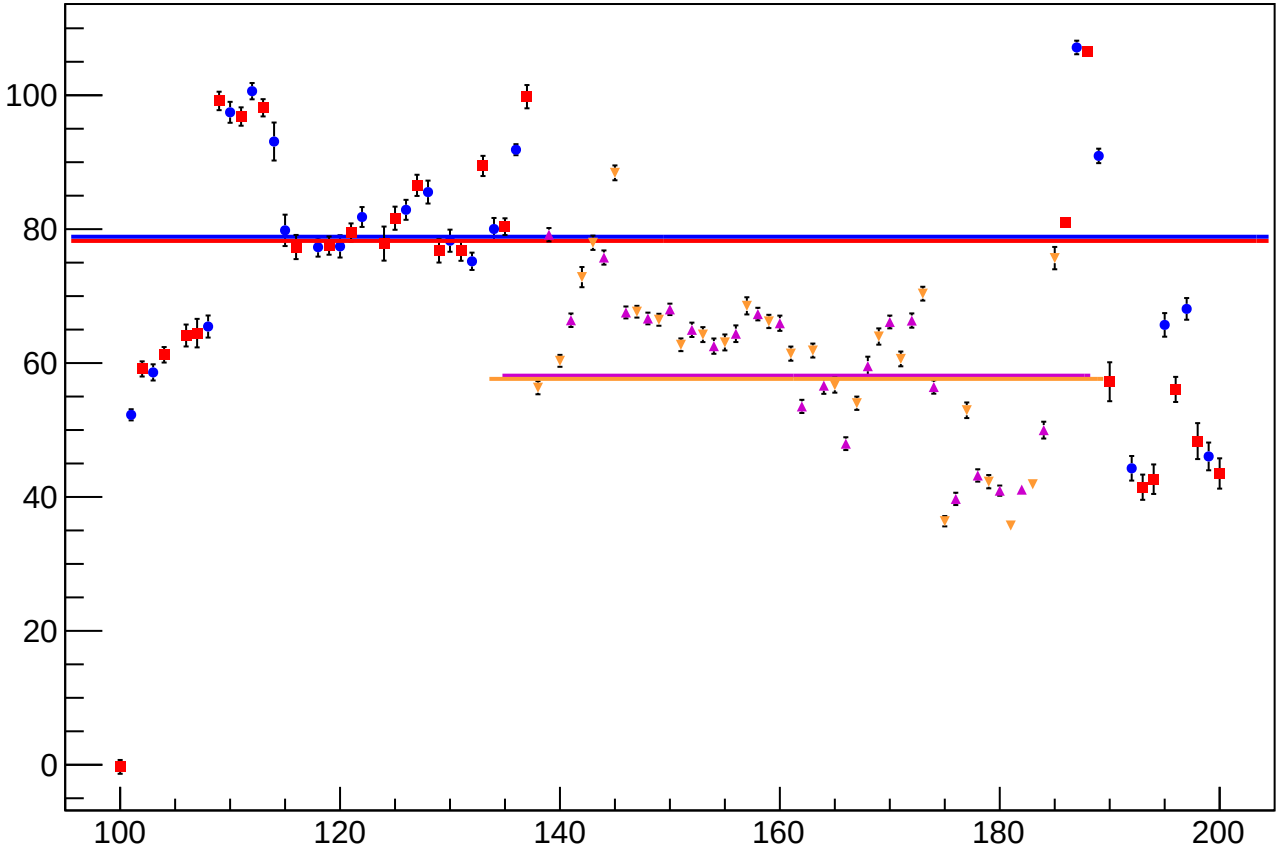
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.073+/-0.134 χ^2/NDF: 2062.9/46

All: 1.084+/-0.095 χ^2/NDF: 3777.4/96

- sign 1.095+/-0.136 χ^2/NDF: 1714.4/49

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 78.868+/-0.291 χ^2/NDF: 3739.8/21

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.242+/-0.249 χ^2/NDF: 11062.0/26

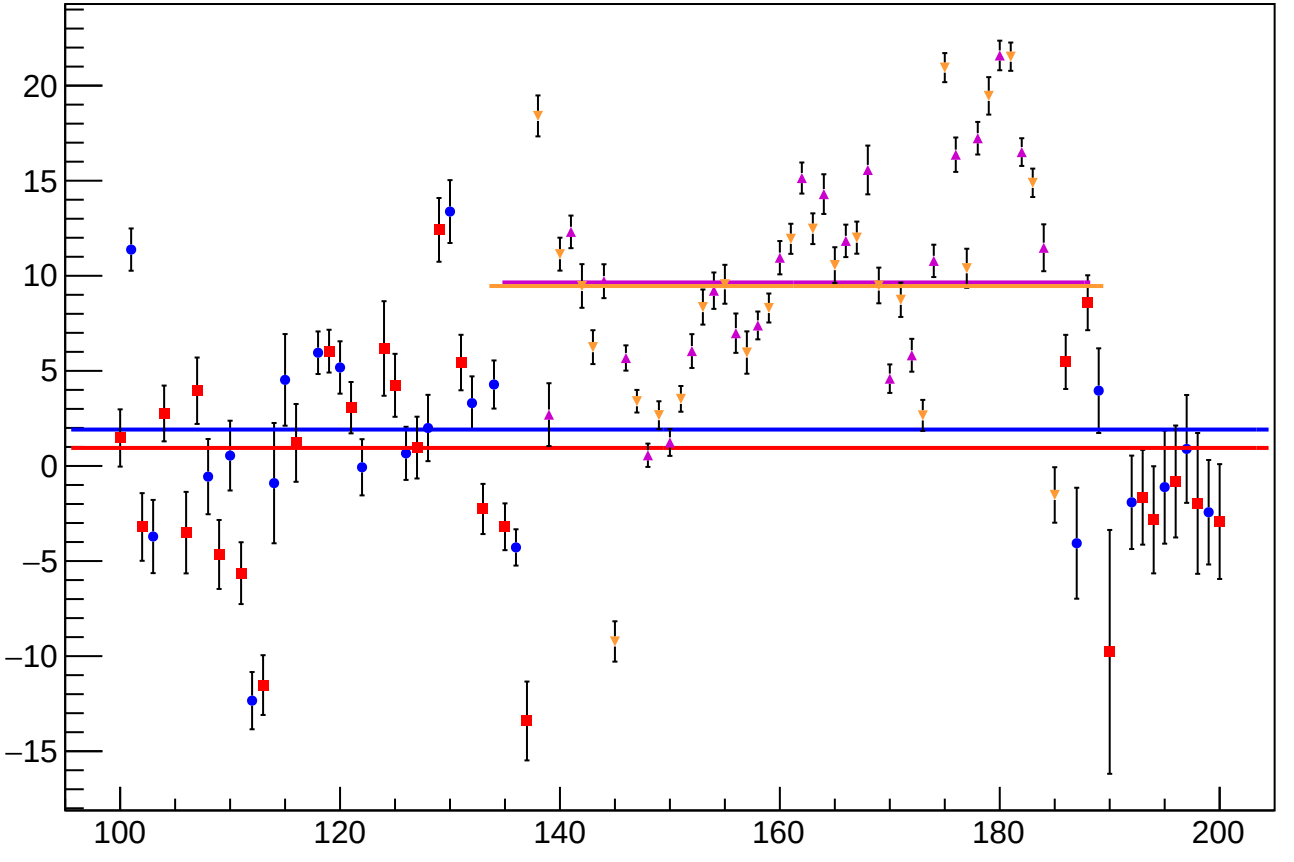
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.429+/-0.164 χ^2/NDF: 11983.6/46

All: 65.344+/-0.114 χ^2/NDF: 30457.0/96

- sign 66.187+/-0.158 χ^2/NDF: 18413.9/49

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.915+/-0.345 χ^2/NDF: 301.9/21

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.948+/-0.329 χ^2/NDF: 302.5/26

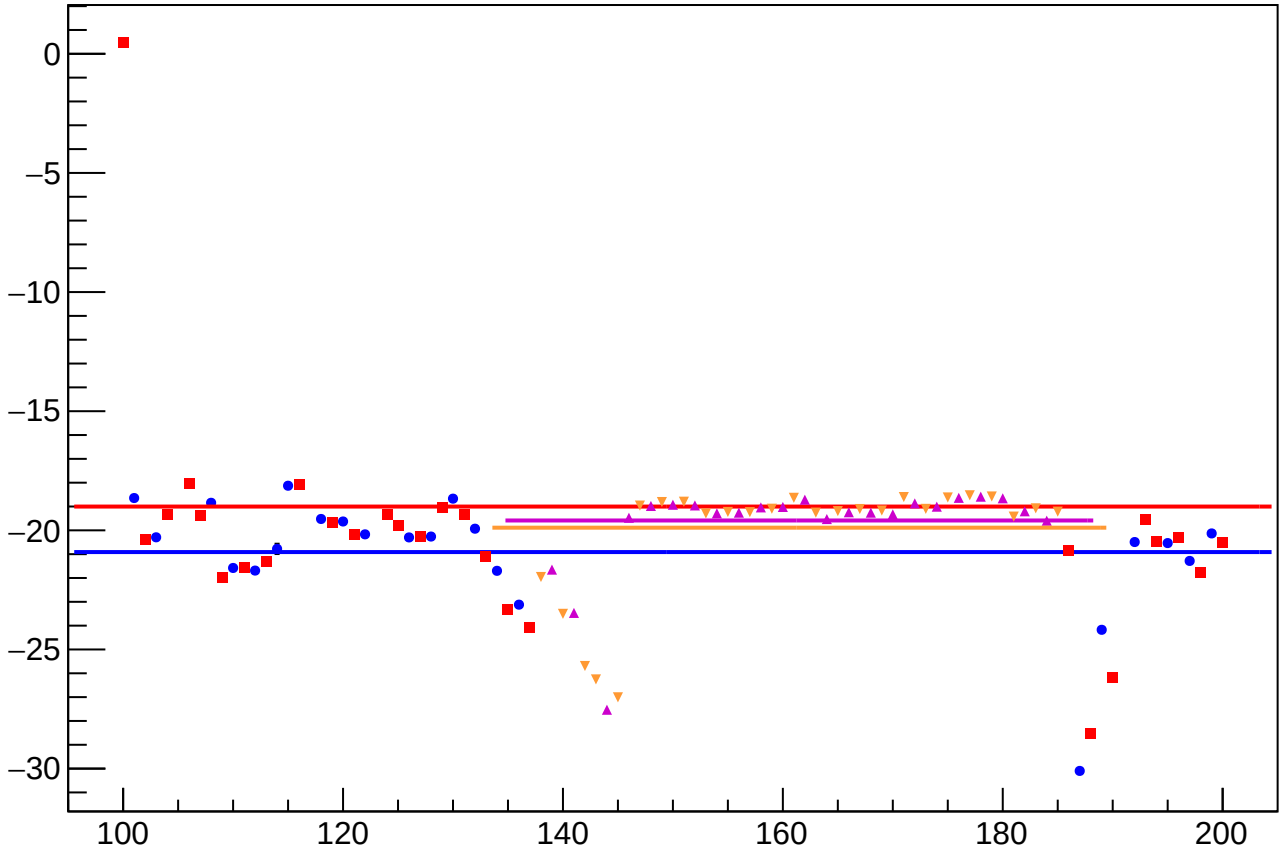
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 7.961+/-0.154 χ^2/NDF: 2169.2/46

All: 7.836+/-0.109 χ^2/NDF: 4093.7/96

\- sign 7.707+/-0.156 χ^2/NDF: 1923.1/49

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.912+/-0.017 χ^2/NDF: 11884.9/21

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.002+/-0.016 χ^2/NDF: 171588.4/26

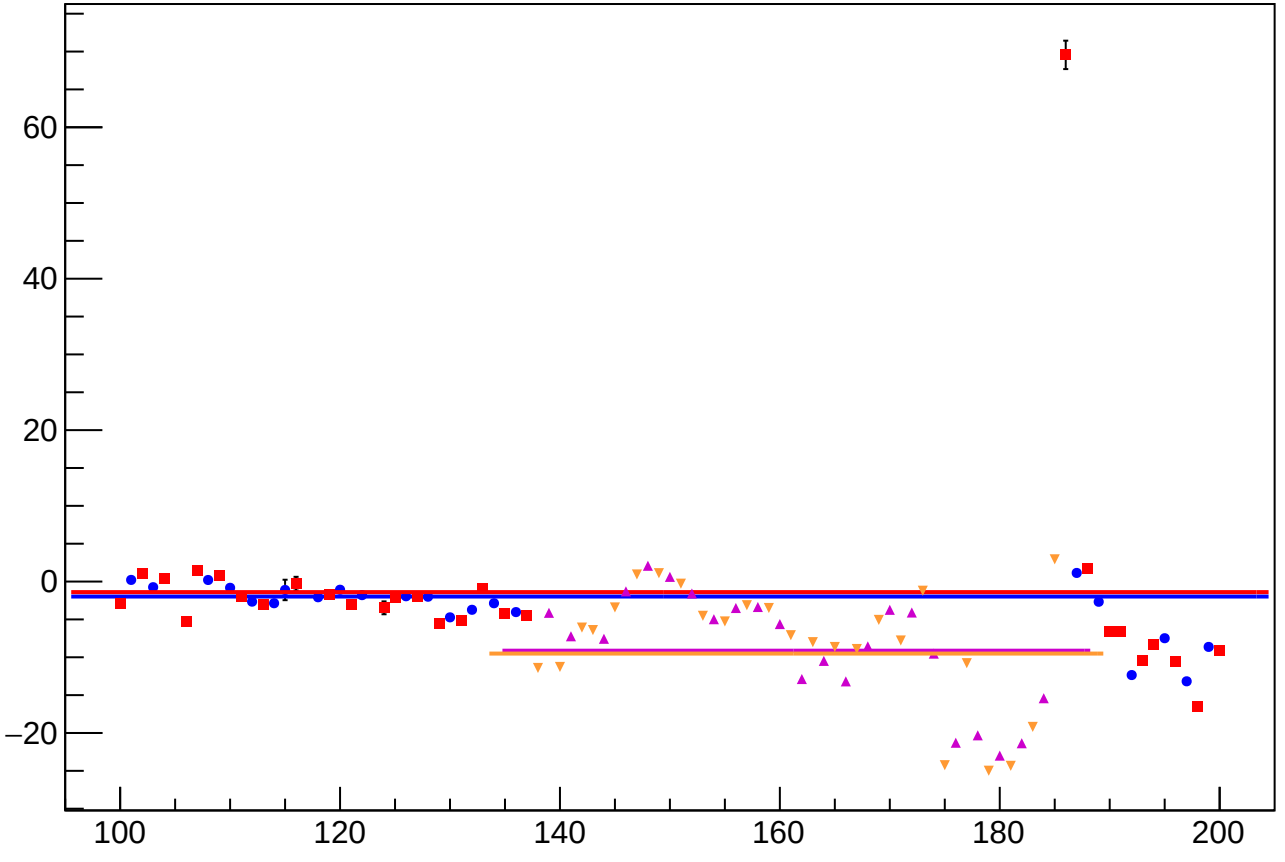
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.063+/-0.007 χ^2/NDF: 93276.9/46

All: -19.768+/-0.005 χ^2/NDF: 314361.0/96

- sign -19.474+/-0.007 χ^2/NDF: 217705.6/49

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.977+/-0.052 χ^2/NDF: 3060.4/21

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

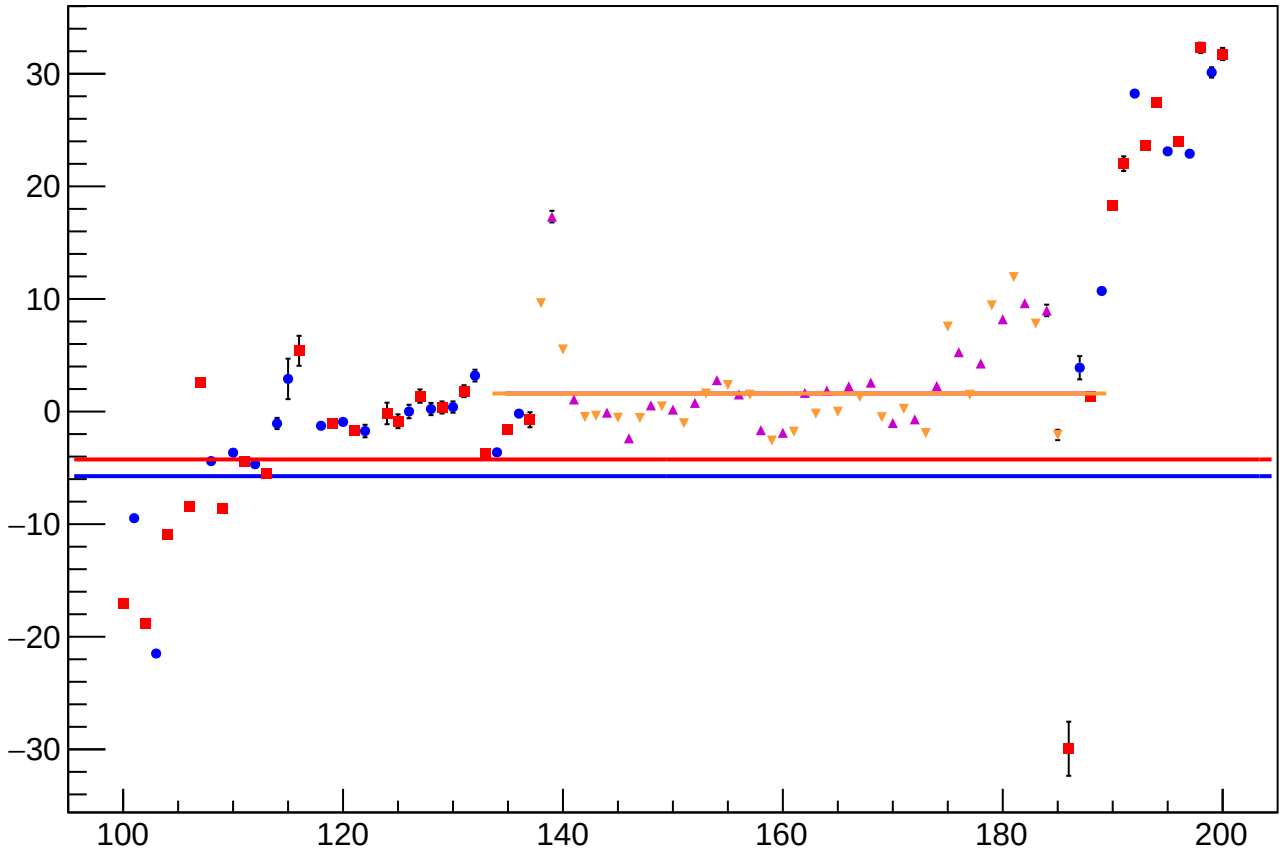
Right Out: -1.393+/-0.047 χ^2/NDF: 6421.9/27

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.510+/-0.042 χ^2/NDF: 23120.8/46

All: -4.014+/-0.029 χ^2/NDF: 47885.5/97

- sign -3.574+/-0.040 χ^2/NDF: 24503.2/50



Right In: -5.738+/-0.054 χ^2/NDF: 43189.8/21

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -4.251+/-0.053 χ^2/NDF: 51913.5/27

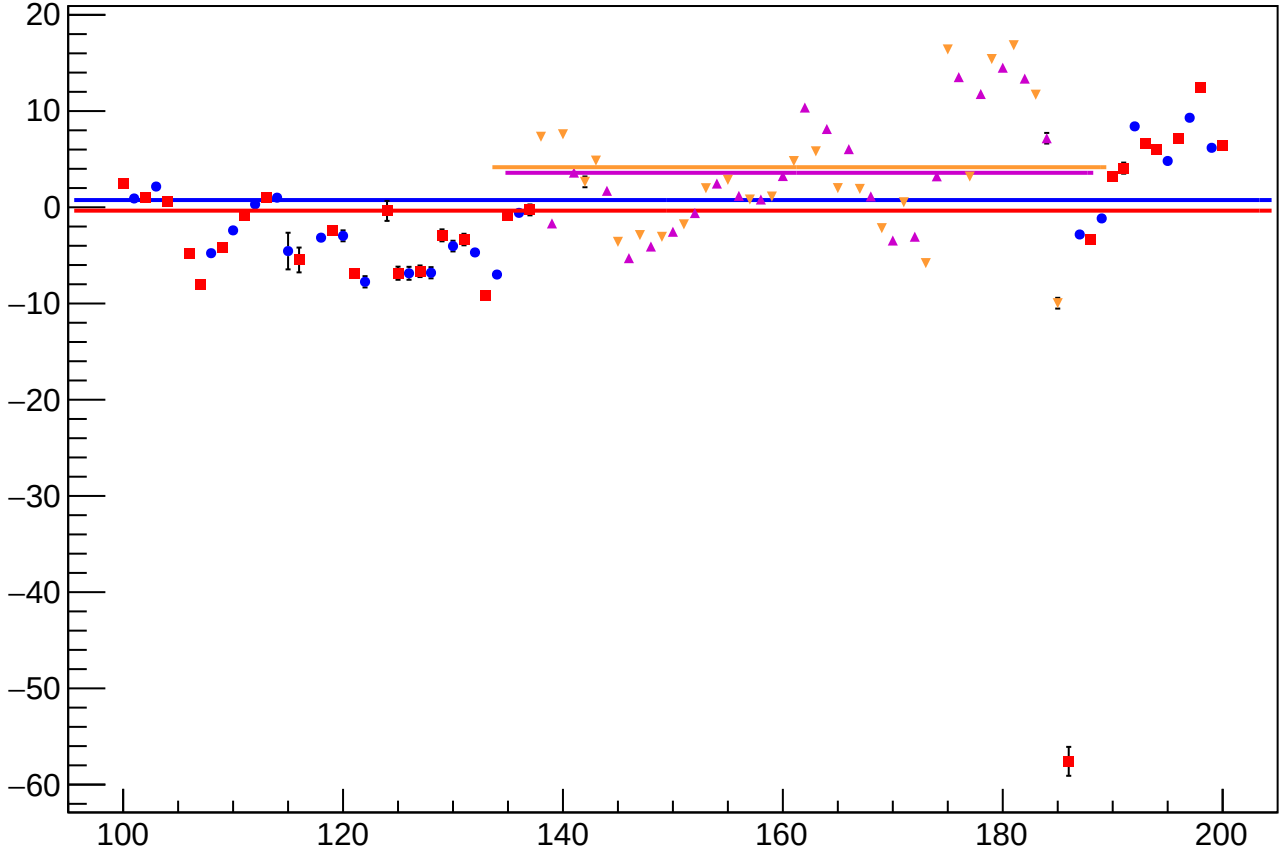
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -2.133+/-0.039 χ^2/NDF: 56885.1/46

All: -1.849+/-0.027 χ^2/NDF: 118132.8/97

\- sign -1.558+/-0.039 χ^2/NDF: 61138.6/50

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.752+/-0.050 χ^2/NDF: 3953.9/21

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.349+/-0.047 χ^2/NDF: 7826.4/27

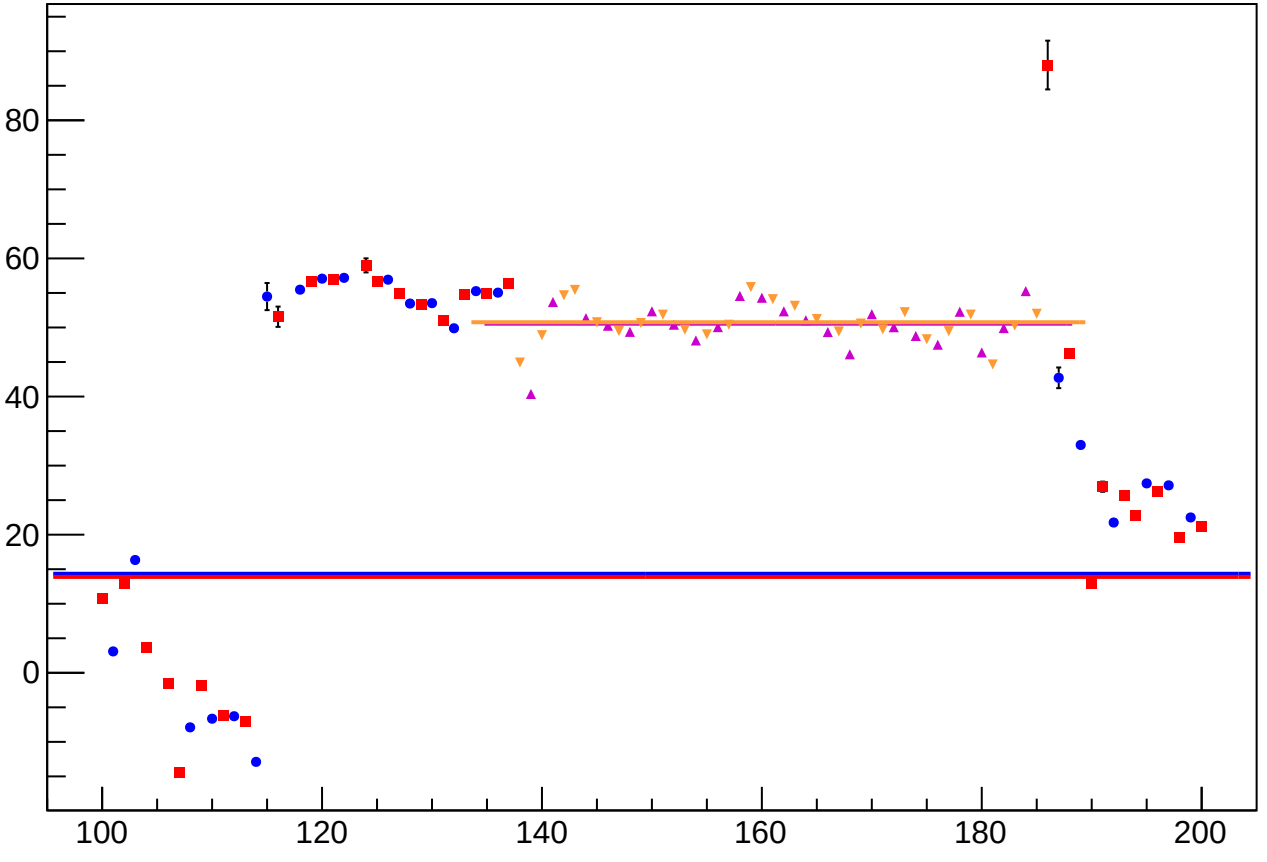
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.849+/-0.041 χ^2/NDF: 14723.0/46

All: 1.309+/-0.029 χ^2/NDF: 32124.4/97

- sign 0.795+/-0.040 χ^2/NDF: 17060.8/50

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.340+/-0.065 χ^2/NDF: 112402.1/21

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.886+/-0.063 χ^2/NDF: 128922.0/27

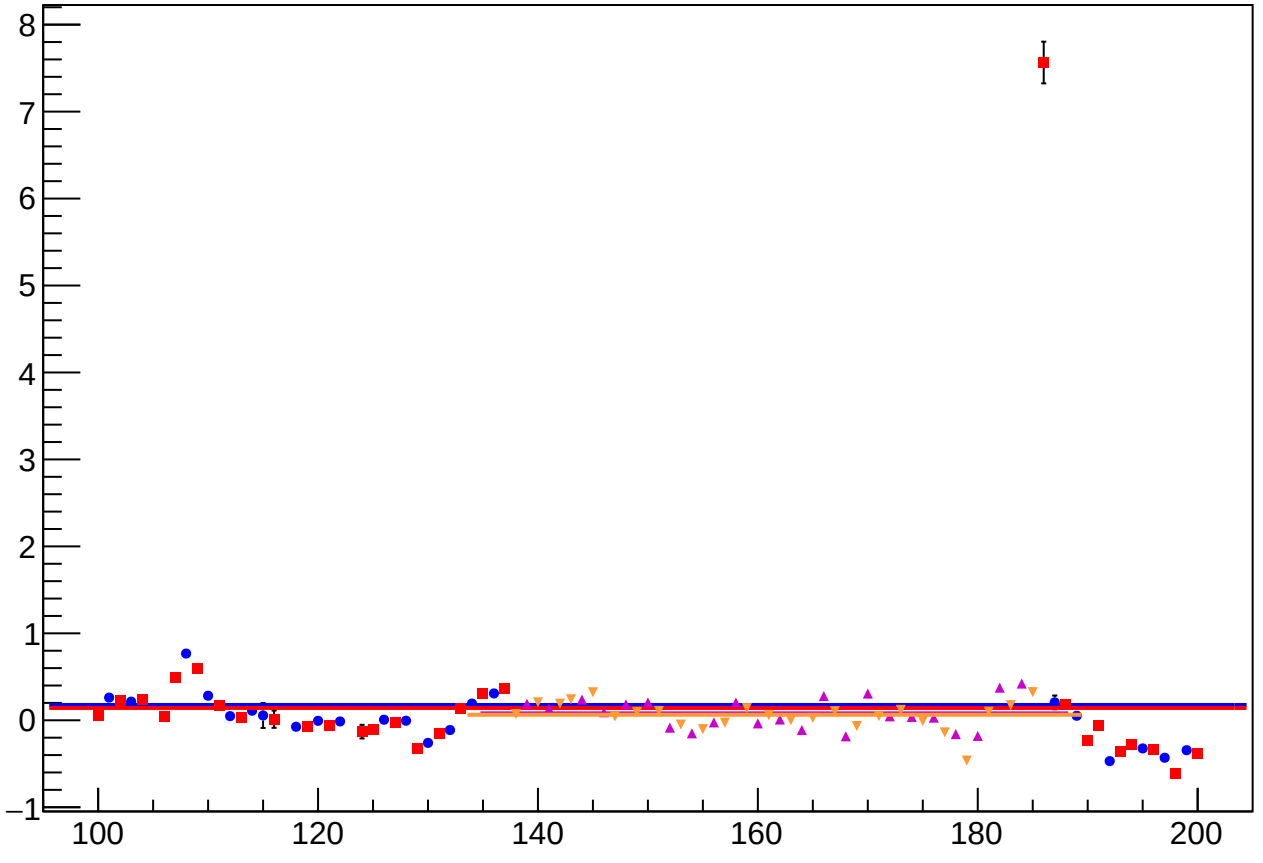
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.209+/-0.045 χ^2/NDF: 278128.3/46

All: 32.520+/-0.032 χ^2/NDF: 572934.7/97

- sign 31.821+/-0.045 χ^2/NDF: 294333.2/50

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.176+/-0.003 χ^2/NDF: 11470.6/21

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.142+/-0.002 χ^2/NDF: 11622.2/27

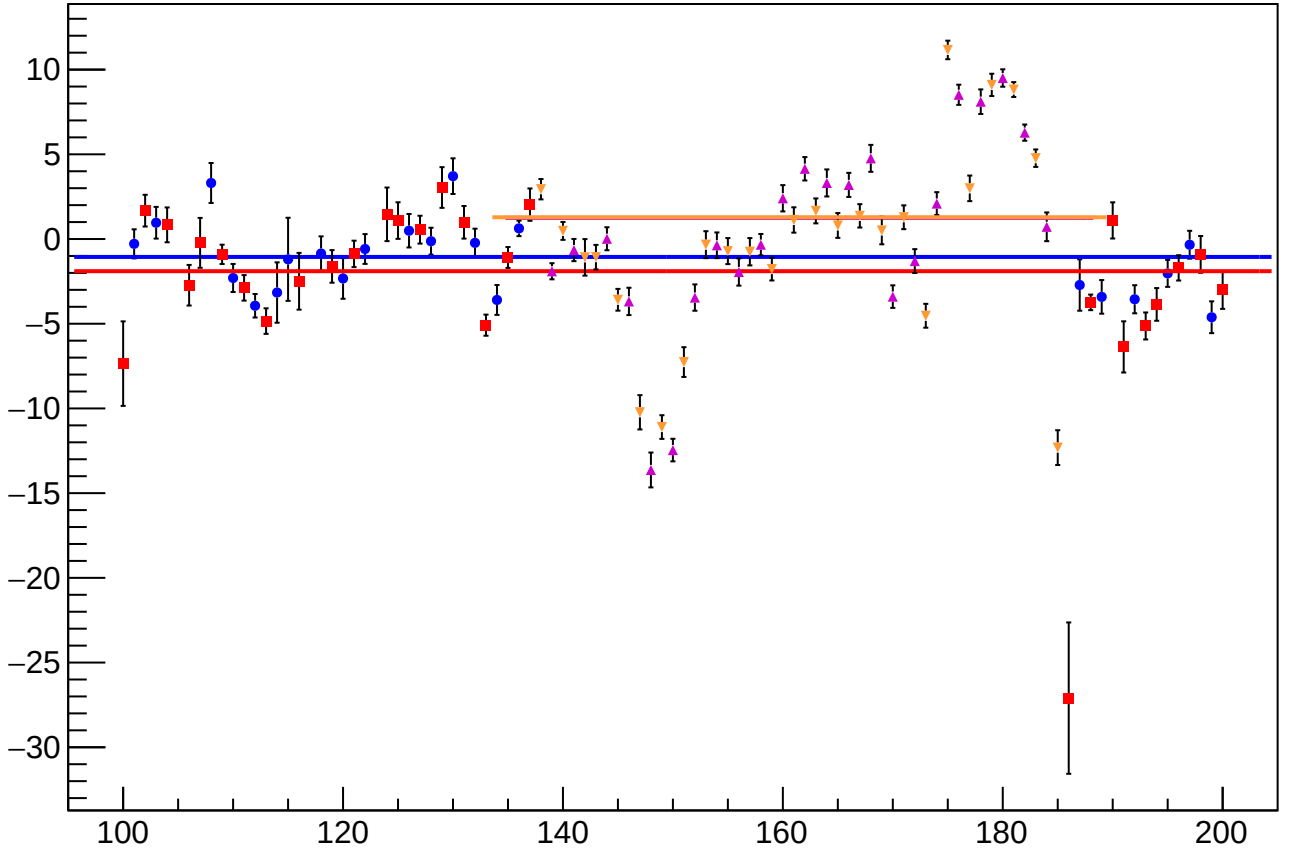
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.124+/-0.002 χ^2/NDF: 14915.3/46

All: 0.120+/-0.001 χ^2/NDF: 30270.9/97

- sign 0.115+/-0.002 χ^2/NDF: 15343.7/50

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.057+/-0.188 χ^2/NDF: 121.3/21

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.899+/-0.166 χ^2/NDF: 228.9/27

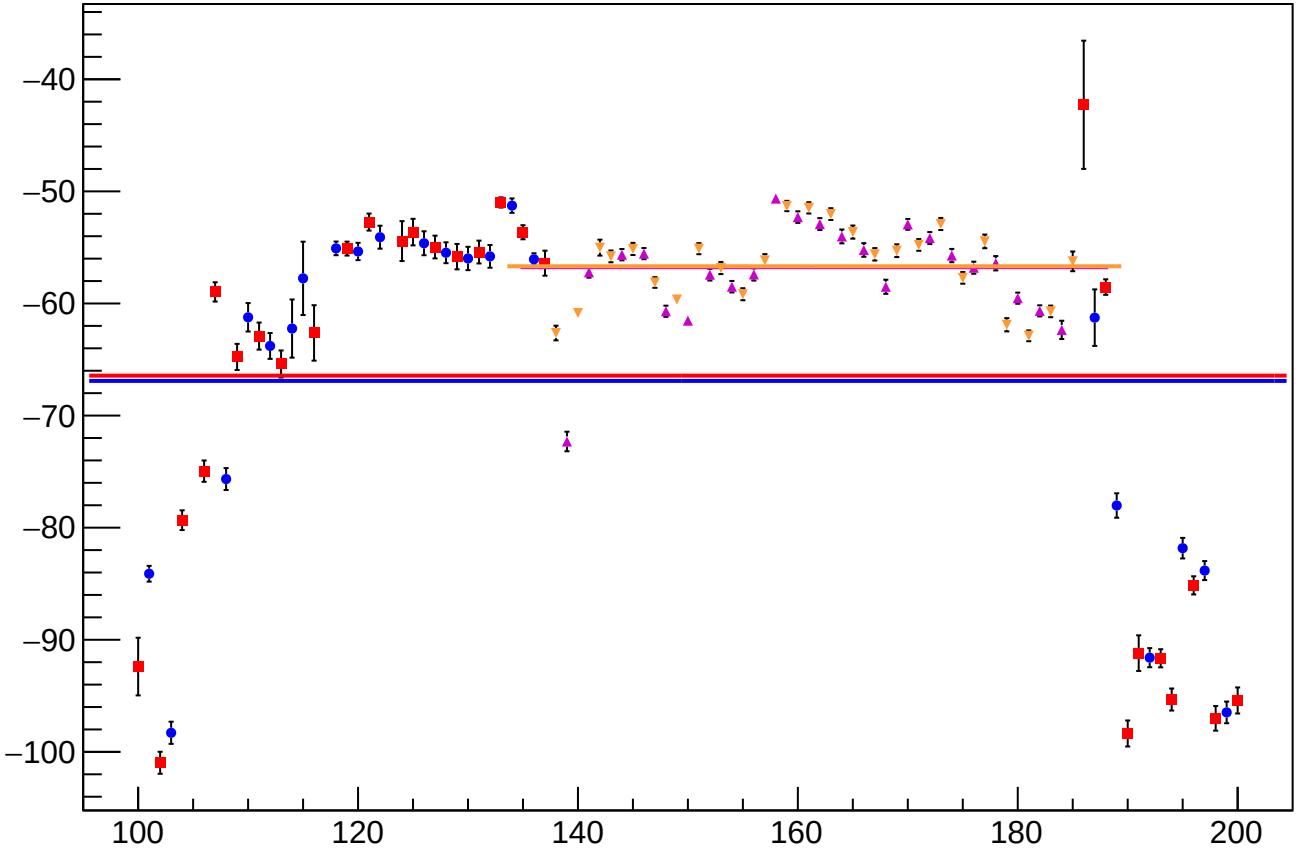
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.471+/-0.111 χ^2/NDF: 1938.1/46

All: 0.197+/-0.077 χ^2/NDF: 3899.9/97

- sign -0.061+/-0.107 χ^2/NDF: 1949.9/50

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -66.906+/-0.193 χ^2/NDF: 6540.8/21

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -66.436+/-0.176 χ^2/NDF: 9427.0/27

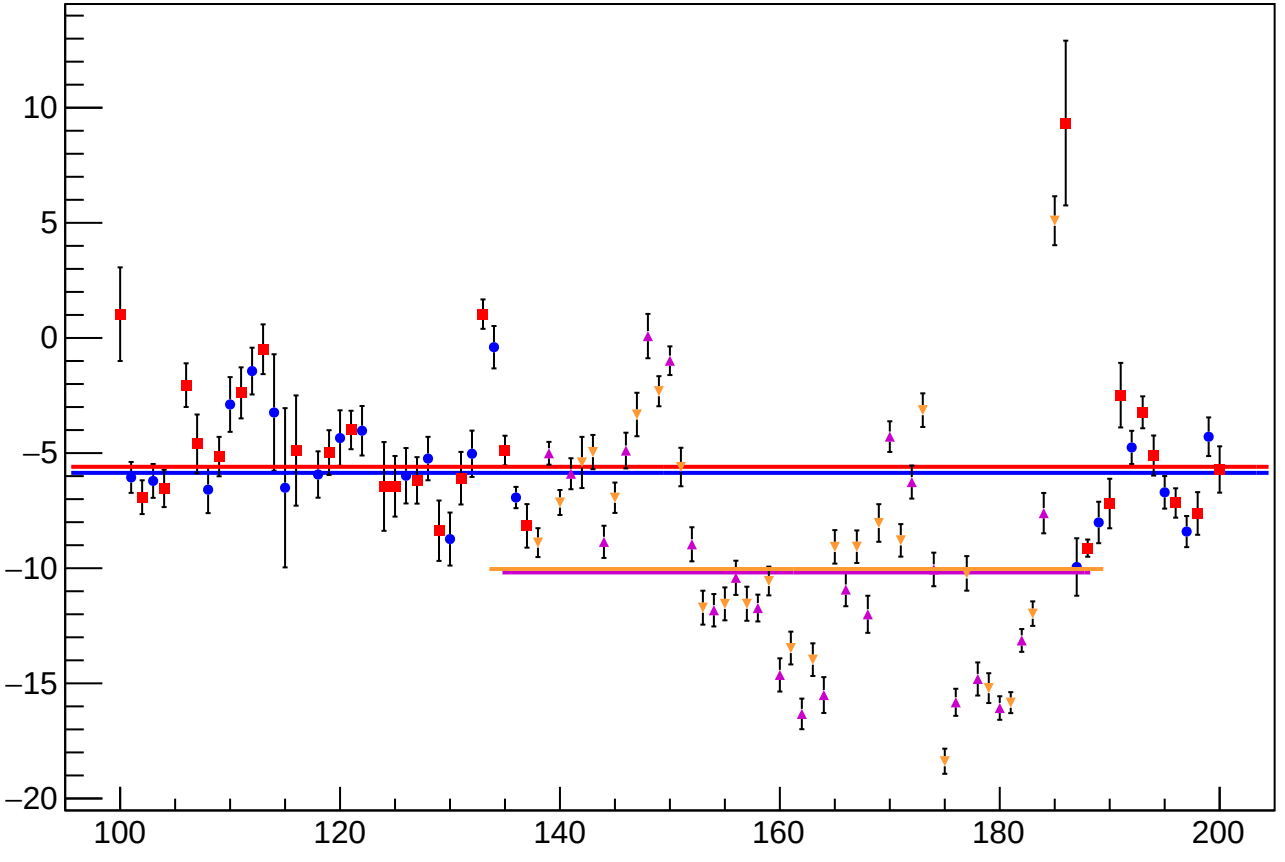
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.094+/-0.094 χ^2/NDF: 9702.5/46

All: -59.322+/-0.067 χ^2/NDF: 22401.9/97

- sign -59.554+/-0.094 χ^2/NDF: 12687.4/50

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.858+/-0.188 χ^2/NDF: 117.4/21

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.595+/-0.165 χ^2/NDF: 323.8/27

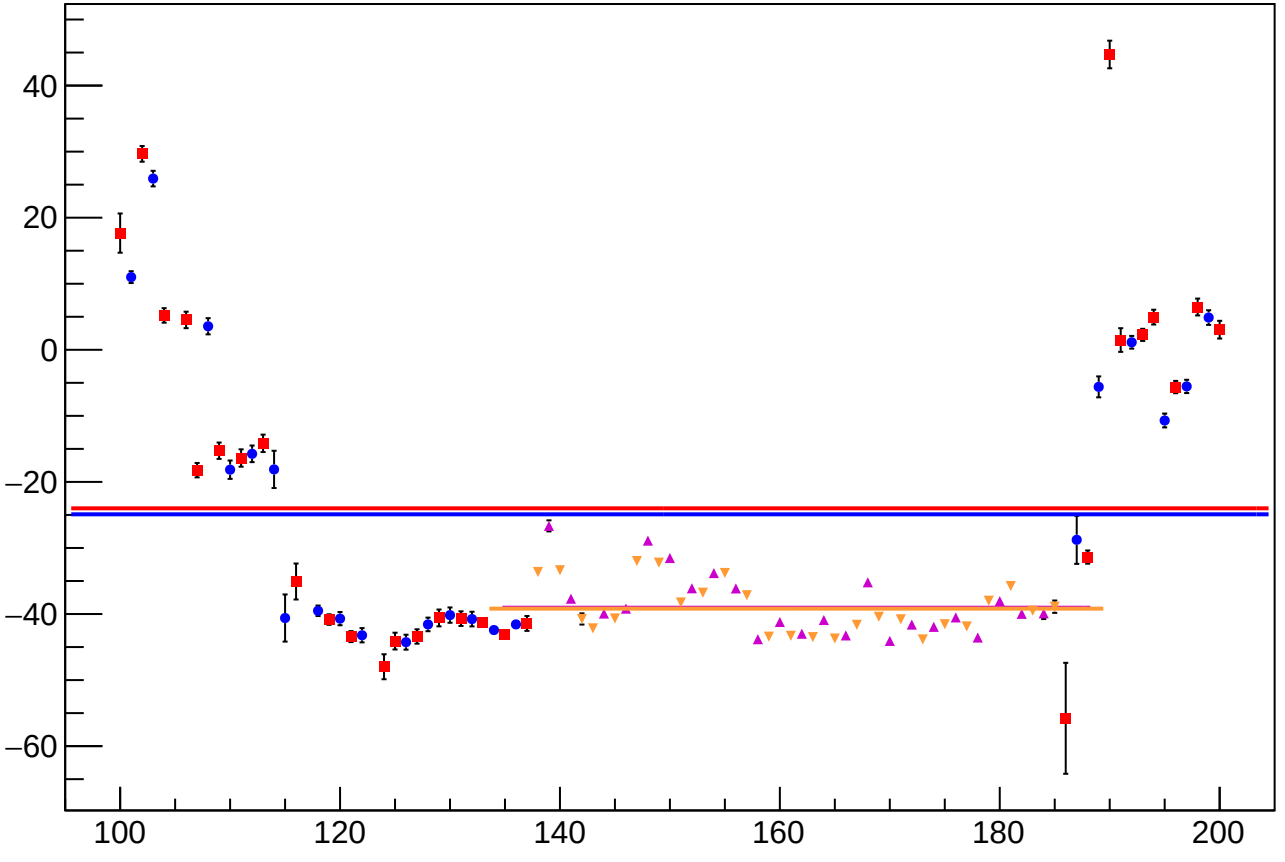
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.596+/-0.110 χ^2/NDF: 1623.4/46

All: -8.429+/-0.077 χ^2/NDF: 3547.0/97

- sign -8.274+/-0.106 χ^2/NDF: 1919.2/50

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -24.906+/-0.222 χ^2/NDF: 9613.0/21

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -23.997+/-0.206 χ^2/NDF: 12058.0/27

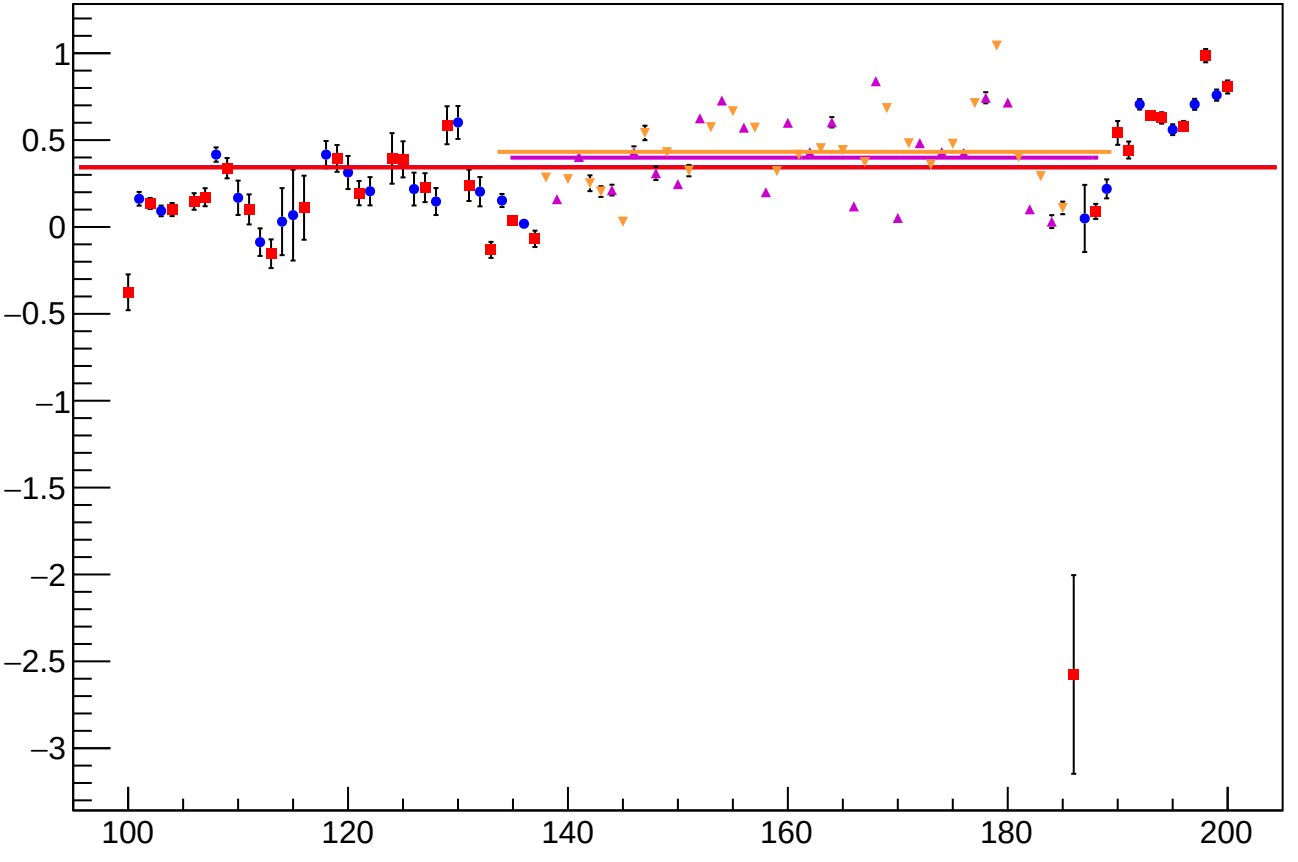
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.949+/-0.106 χ^2/NDF: 13852.7/46

All: -35.495+/-0.075 χ^2/NDF: 31084.6/97

- sign -35.033+/-0.106 χ^2/NDF: 17194.5/50

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.344+/-0.010 χ^2/NDF: 897.8/21

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.343+/-0.009 χ^2/NDF: 1306.4/27

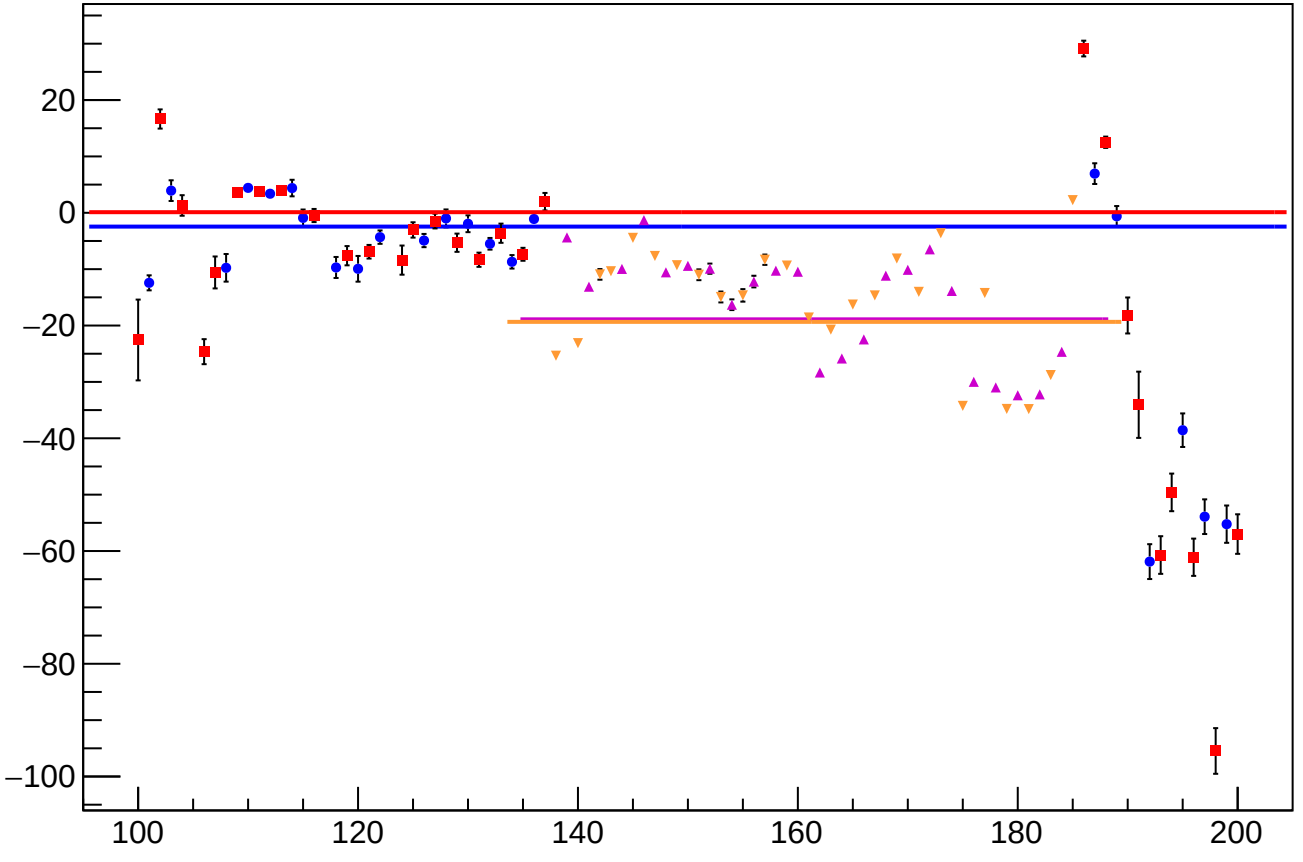
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.412+/-0.005 χ^2/NDF: 2331.5/46

All: 0.398+/-0.003 χ^2/NDF: 5607.6/97

- sign 0.384+/-0.005 χ^2/NDF: 3258.6/50

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -2.448+/-0.270 χ^2/NDF: 1433.7/21

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.108+/-0.249 χ^2/NDF: 2891.9/27

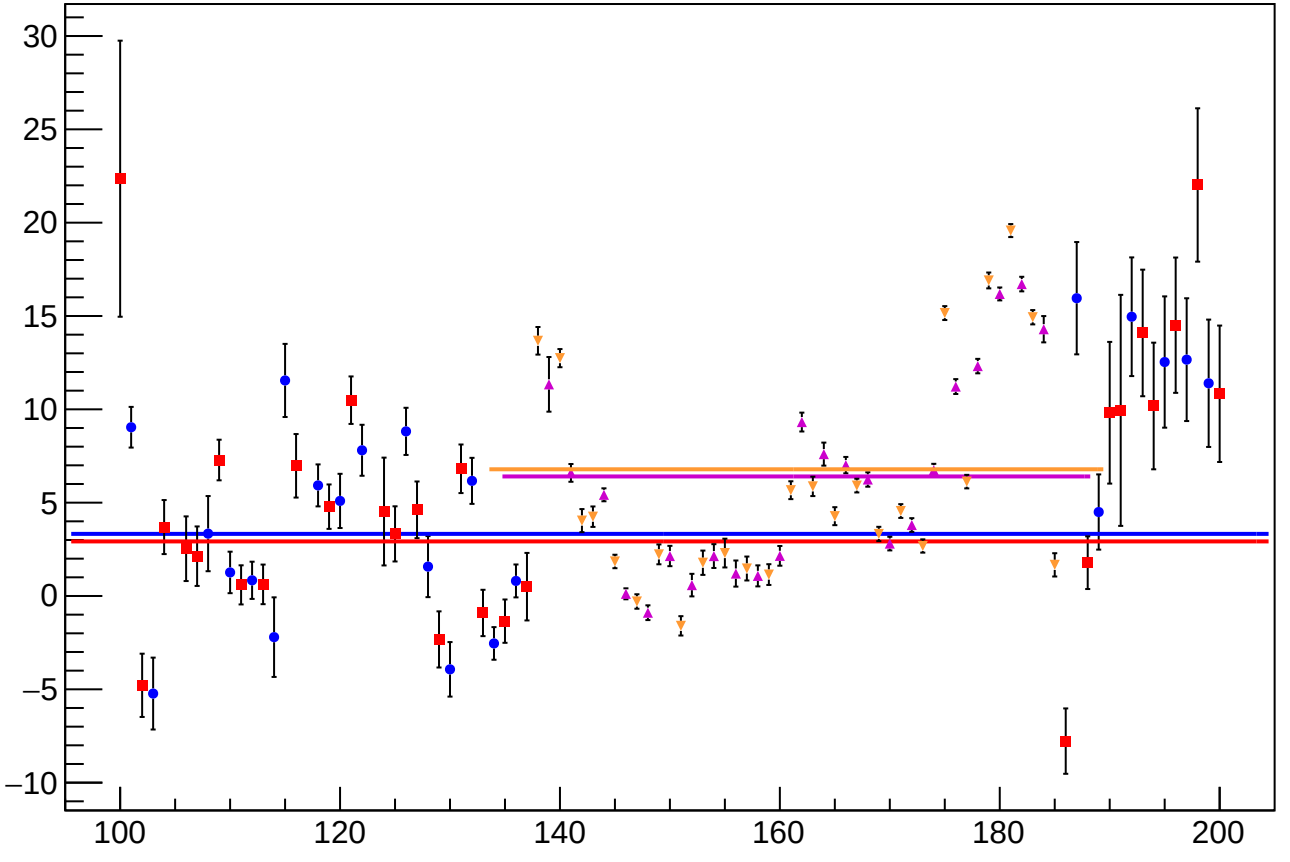
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.815+/-0.105 χ^2/NDF: 15158.3/46

All: -16.162+/-0.074 χ^2/NDF: 31210.3/97

- sign -15.500+/-0.105 χ^2/NDF: 15973.4/50

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.328+/-0.303 χ^2/NDF: 254.0/21

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.924+/-0.302 χ^2/NDF: 239.5/27

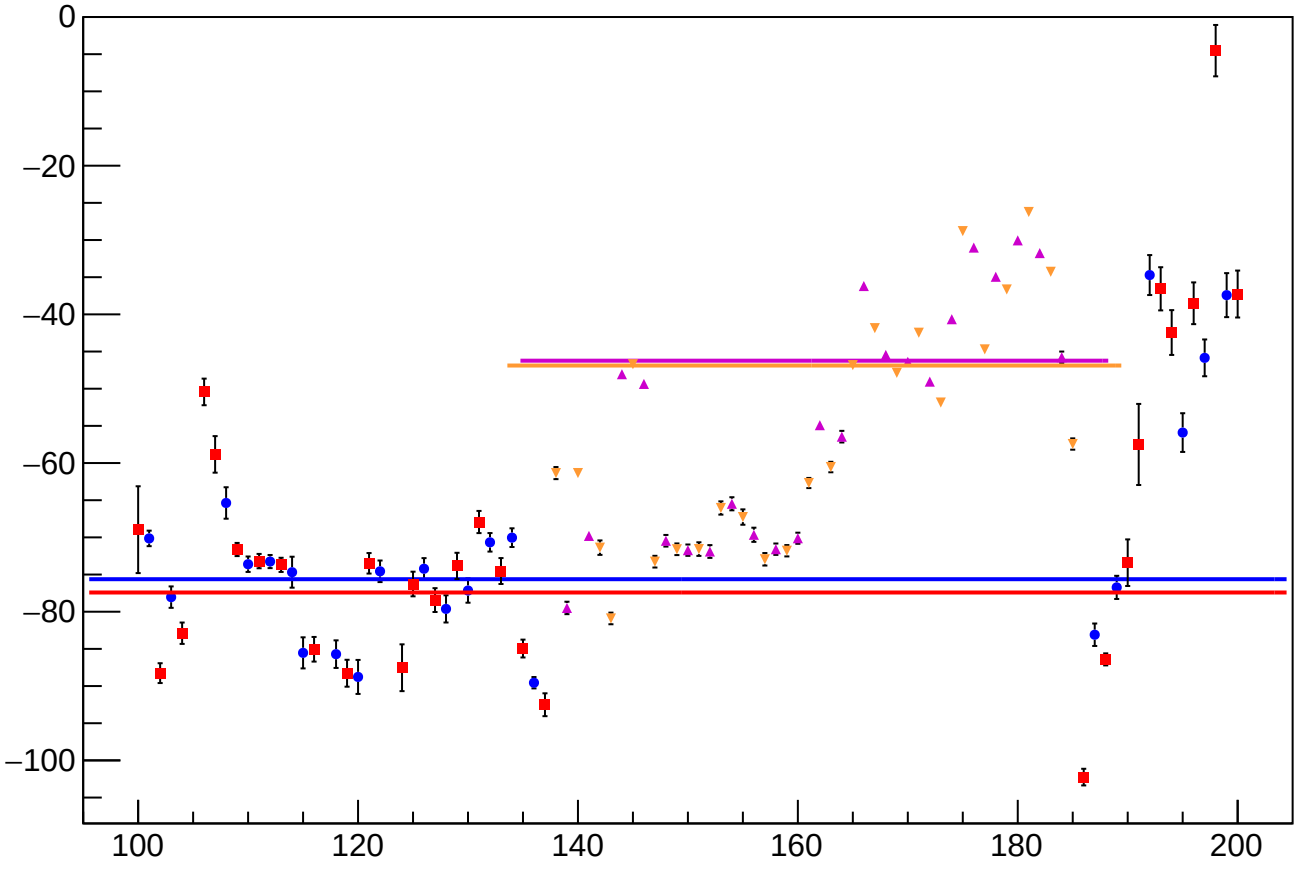
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.507+/-0.086 χ^2/NDF: 5006.4/46

All: 6.312+/-0.061 χ^2/NDF: 8788.0/97

- sign 6.114+/-0.087 χ^2/NDF: 3771.4/50

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -75.626+/-0.304 χ^2/NDF: 1149.8/21

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.415+/-0.285 χ^2/NDF: 2465.7/27

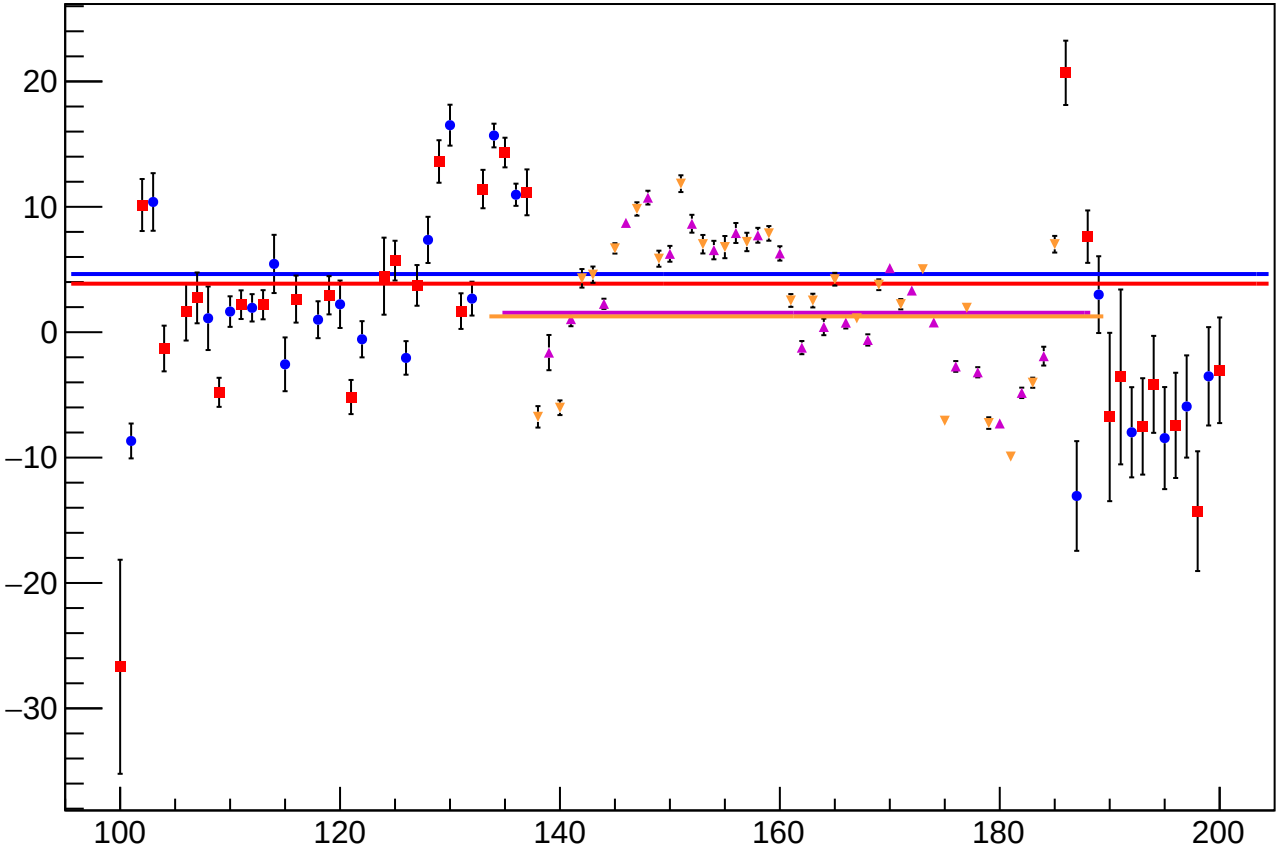
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -50.417+/-0.107 χ^2/NDF: 26954.7/46

All: -50.541+/-0.076 χ^2/NDF: 54826.8/97

\- sign -50.668+/-0.108 χ^2/NDF: 27869.4/50

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.639+/-0.341 χ^2/NDF: 464.7/21

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.871+/-0.346 χ^2/NDF: 378.8/27

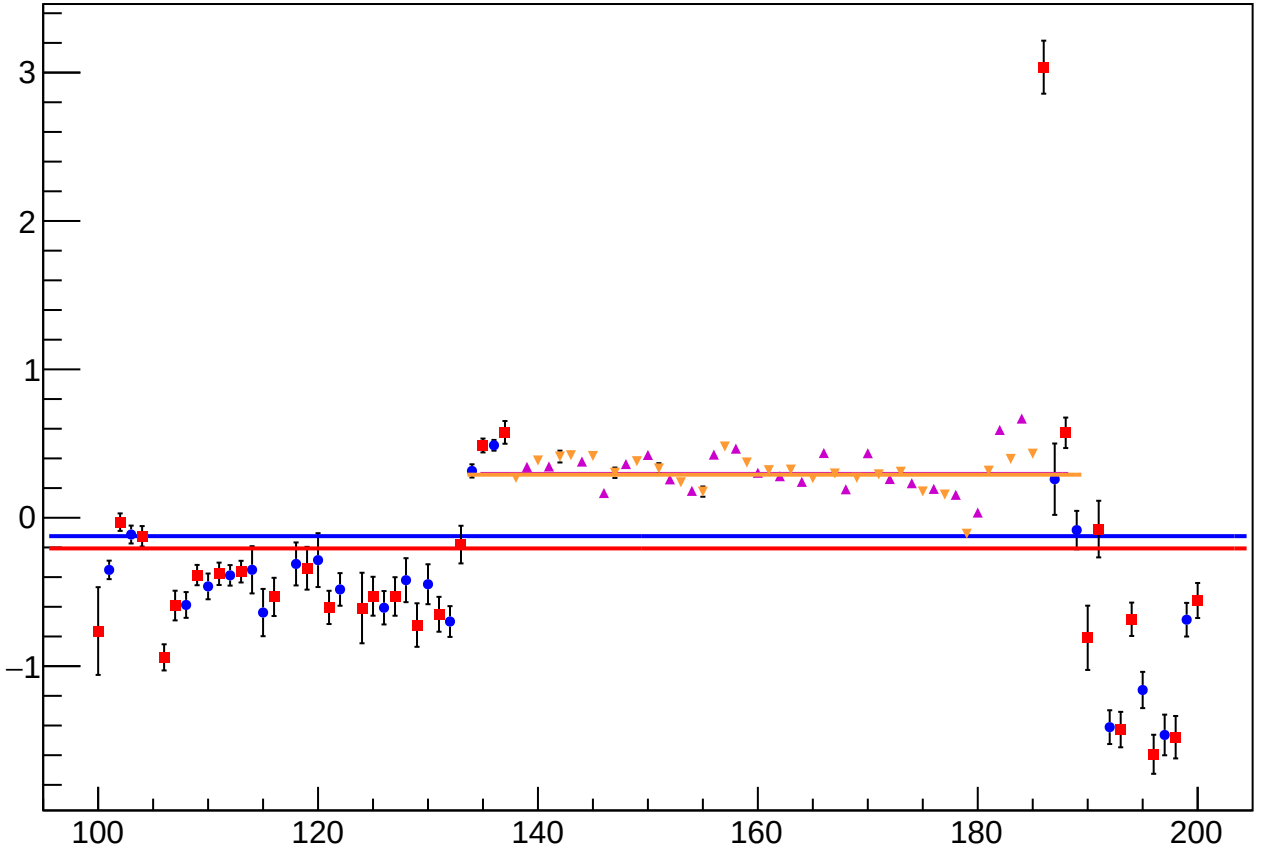
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.531+/-0.096 χ^2/NDF: 4000.6/46

All: 1.632+/-0.069 χ^2/NDF: 6758.7/97

- sign 1.737+/-0.098 χ^2/NDF: 2755.9/50

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.124+/-0.018 χ^2/NDF: 862.4/21

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.207+/-0.018 χ^2/NDF: 1218.2/27

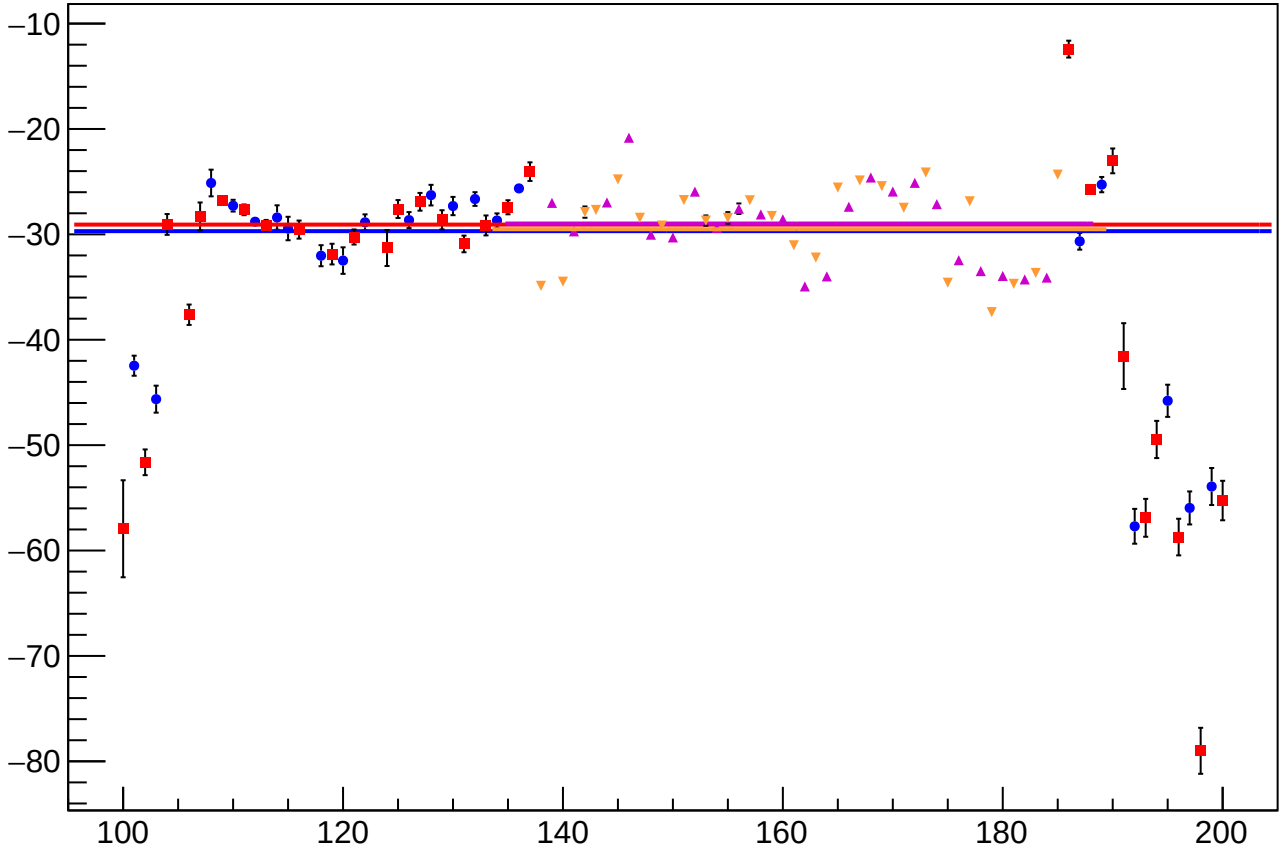
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.266+/-0.004 χ^2/NDF: 2088.4/46

All: 0.266+/-0.003 χ^2/NDF: 5042.6/97

- sign 0.266+/-0.004 χ^2/NDF: 2954.1/50

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.696+/-0.172 χ^2/NDF: 1424.1/21

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.073+/-0.159 χ^2/NDF: 2473.4/27

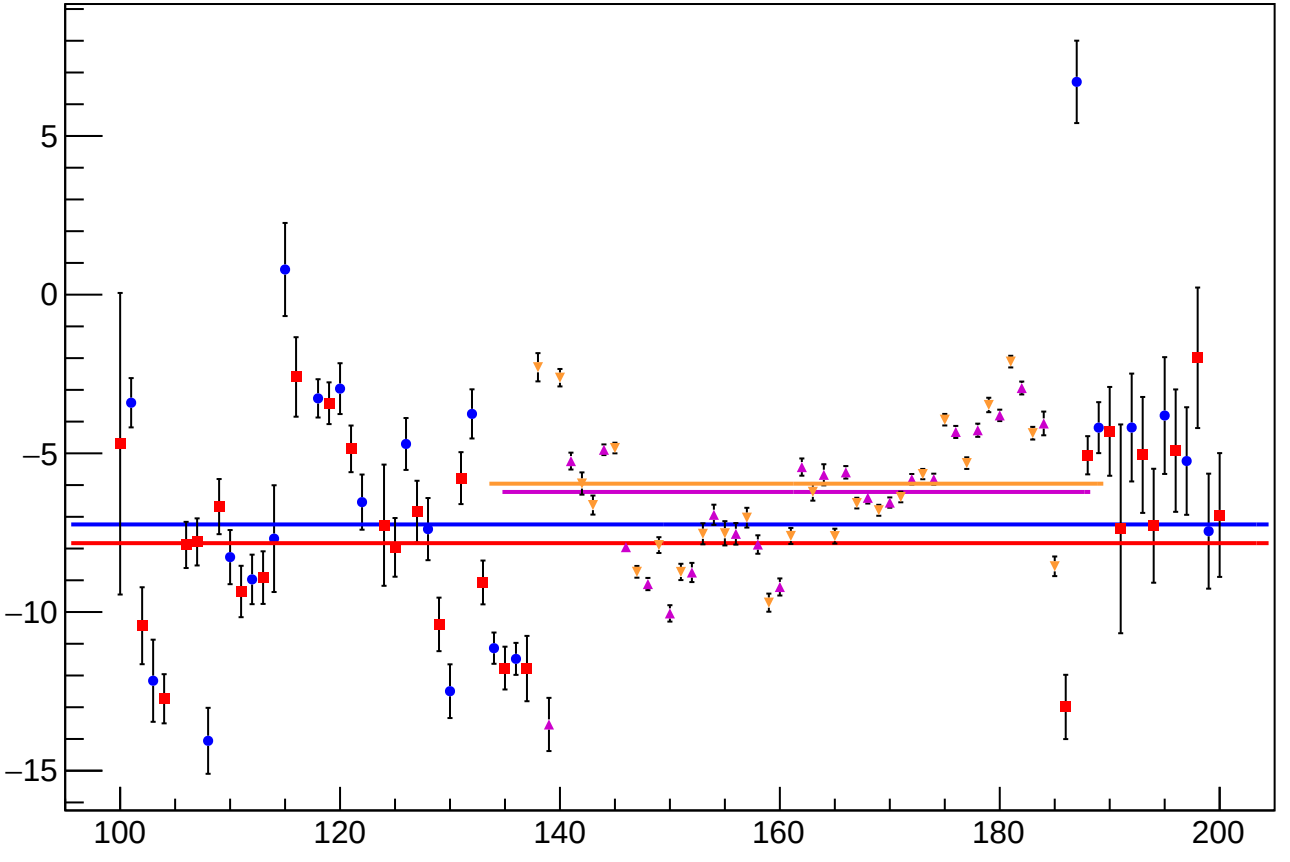
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.534+/-0.054 χ^2/NDF: 7513.5/46

All: -29.259+/-0.038 χ^2/NDF: 15388.7/97

- sign -28.982+/-0.054 χ^2/NDF: 7822.3/50

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.240+/-0.183 χ^2/NDF: 530.5/21

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.830+/-0.178 χ^2/NDF: 265.0/27

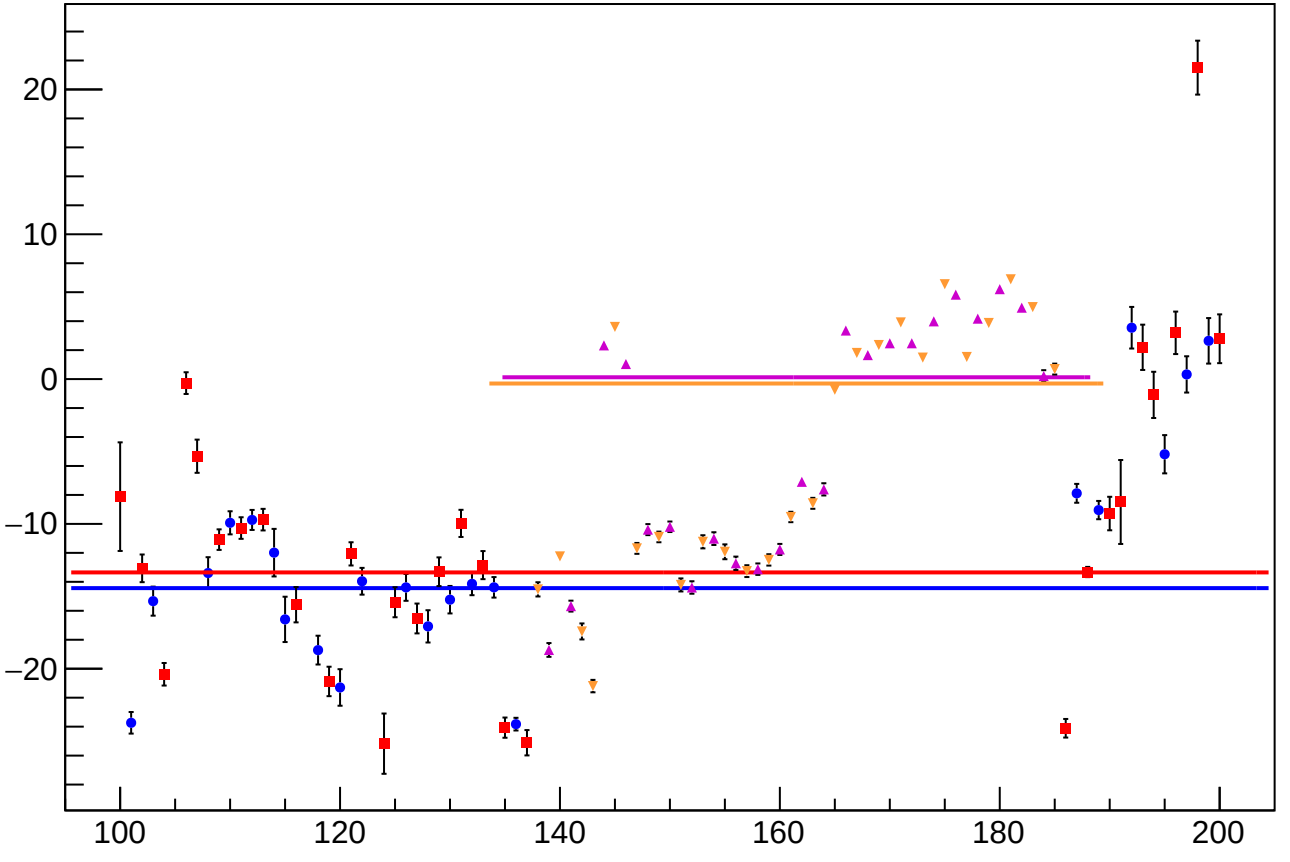
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2434.7/46

All: -6.170+/-0.030 χ^2/NDF: 4540.3/97

- sign -6.310+/-0.043 χ^2/NDF: 2084.1/50

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -14.435+/-0.183 χ^2/NDF: 1391.4/21

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.350+/-0.167 χ^2/NDF: 2047.2/27

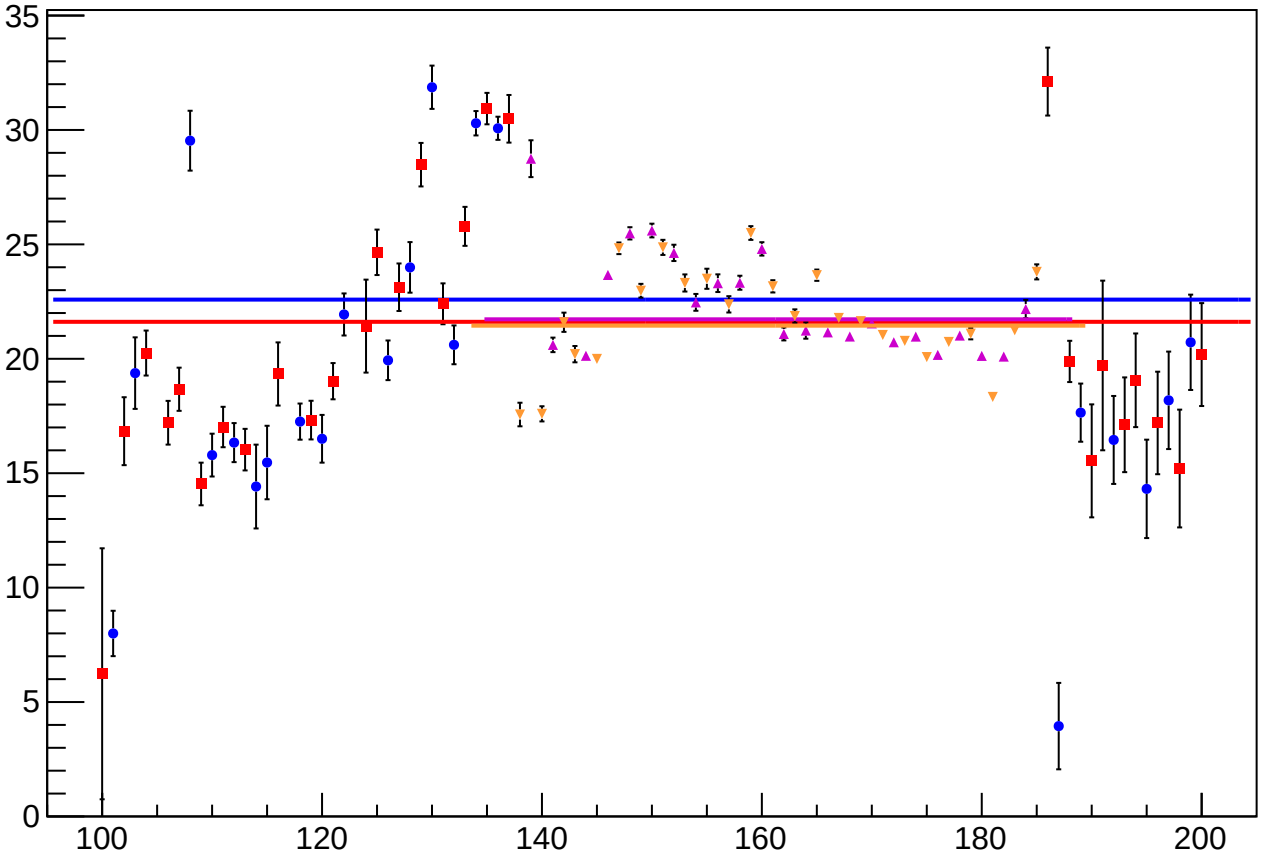
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.535+/-0.054 χ^2/NDF: 23999.9/46

All: -1.411+/-0.038 χ^2/NDF: 45756.8/97

- sign -1.288+/-0.054 χ^2/NDF: 21746.5/50

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.586+/-0.209 χ^2/NDF: 1159.0/21

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.616+/-0.209 χ^2/NDF: 635.3/27

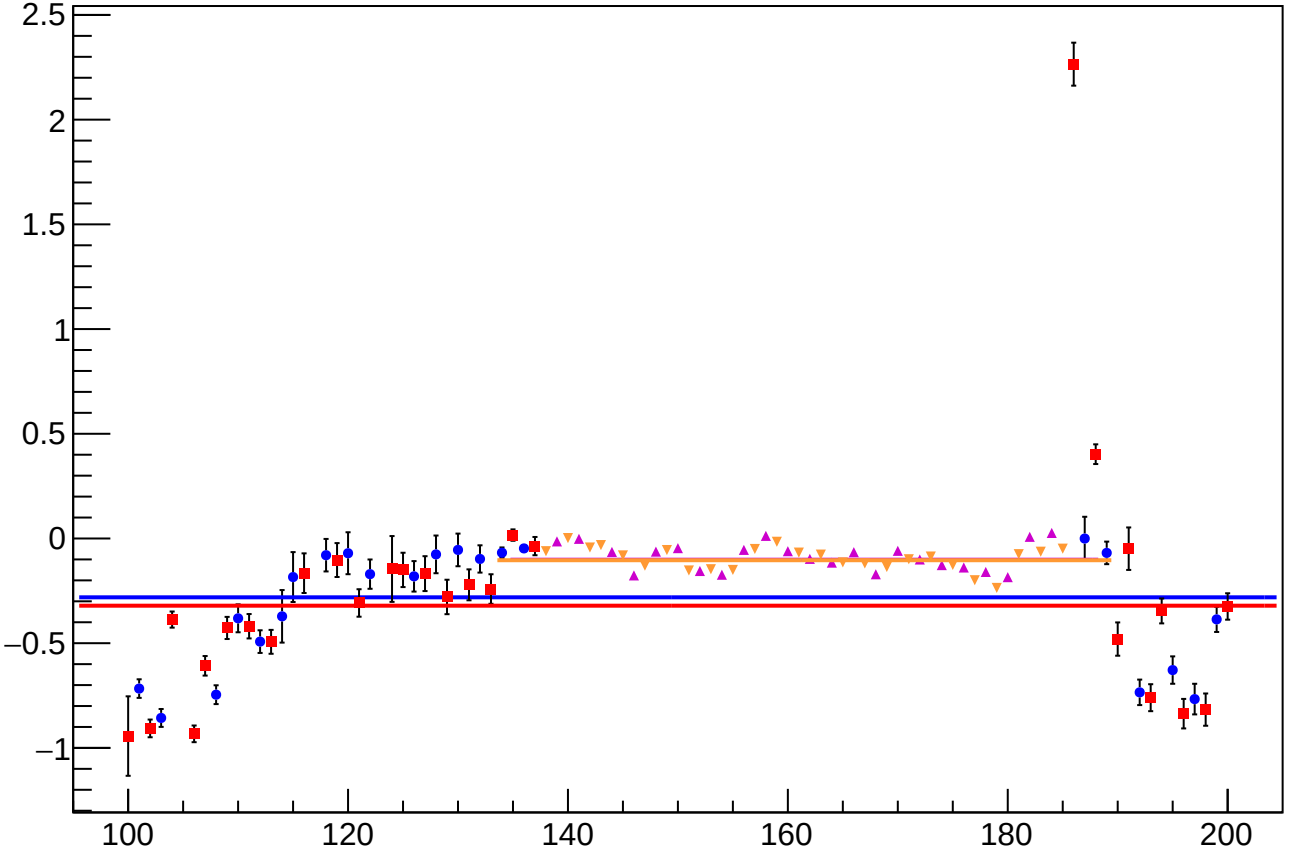
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

\+ sign 21.507+/-0.048 χ^2/NDF: 2512.3/46

All: 21.613+/-0.034 χ^2/NDF: 4331.2/97

\- sign 21.719+/-0.048 χ^2/NDF: 1809.2/50

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.281+/-0.011 χ^2/NDF: 794.3/21

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/27

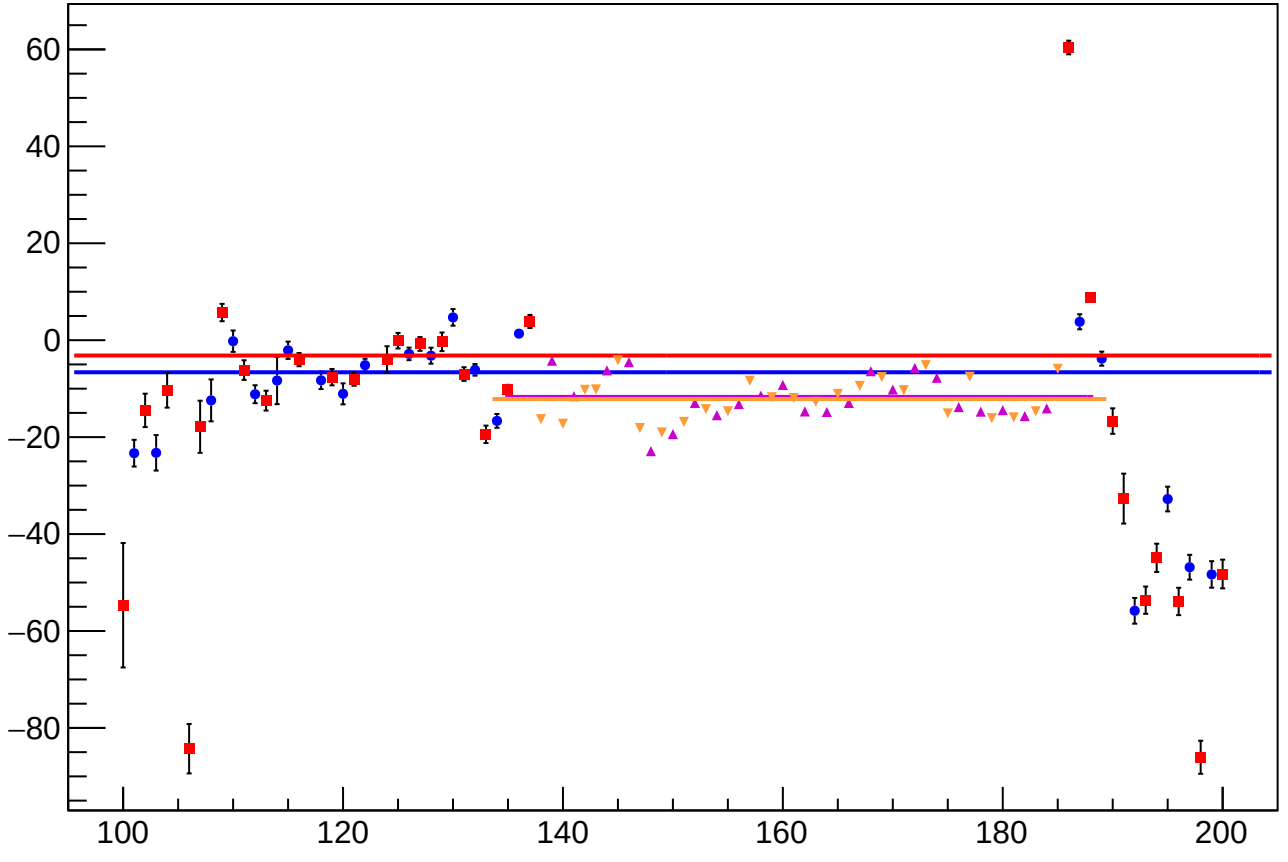
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1605.4/46

All: -0.111+/-0.002 χ^2/NDF: 4496.4/97

- sign -0.110+/-0.002 χ^2/NDF: 2890.9/50

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.618+/-0.347 χ^2/NDF: 1307.4/21

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

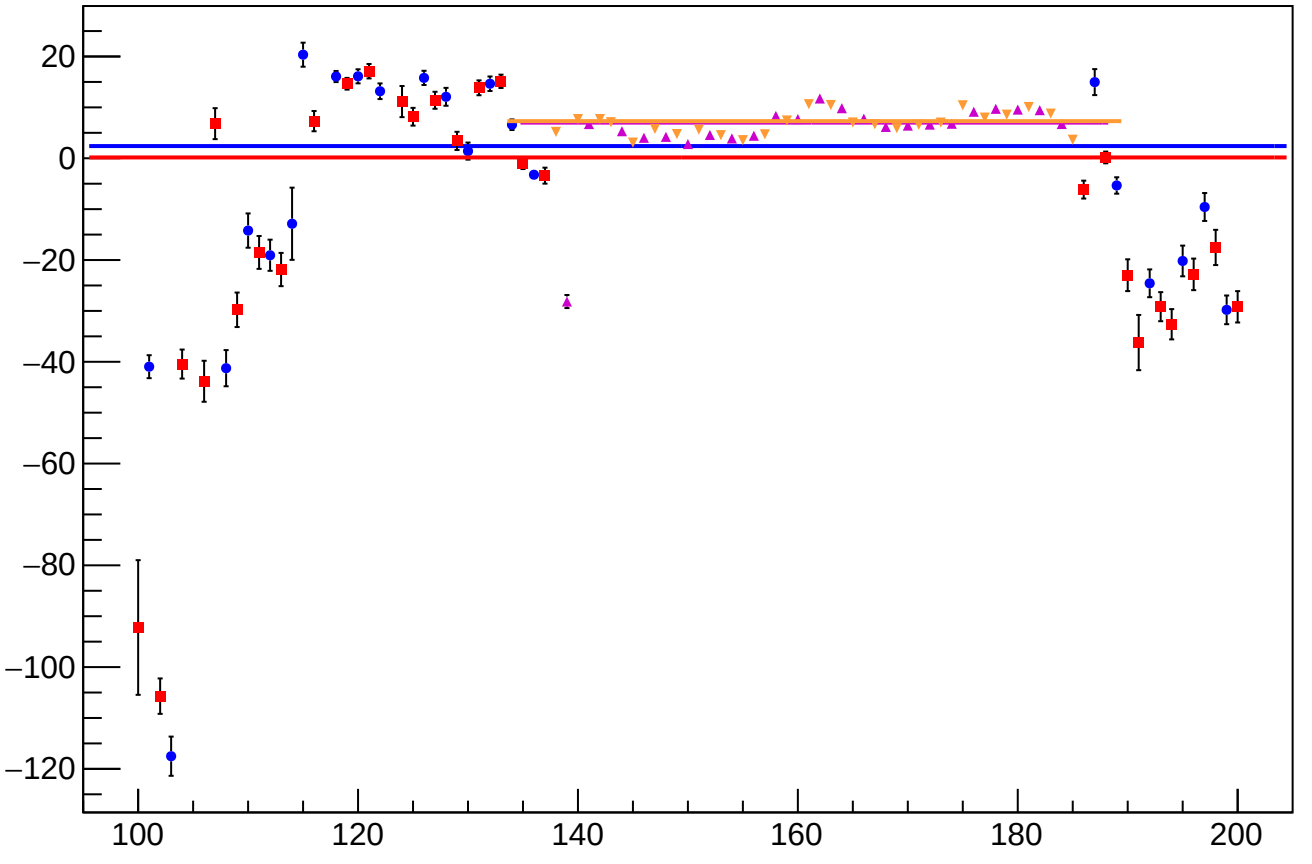
Right Out: -3.162+/-0.338 χ^2/NDF: 4500.9/27

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.783+/-0.088 χ^2/NDF: 3675.5/46

All: -11.441+/-0.063 χ^2/NDF: 10750.0/97

- sign -11.082+/-0.091 χ^2/NDF: 7043.9/50



Right In: 2.397+/-0.358 χ^2/NDF: 2543.5/21

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.162+/-0.369 χ^2/NDF: 2589.5/27

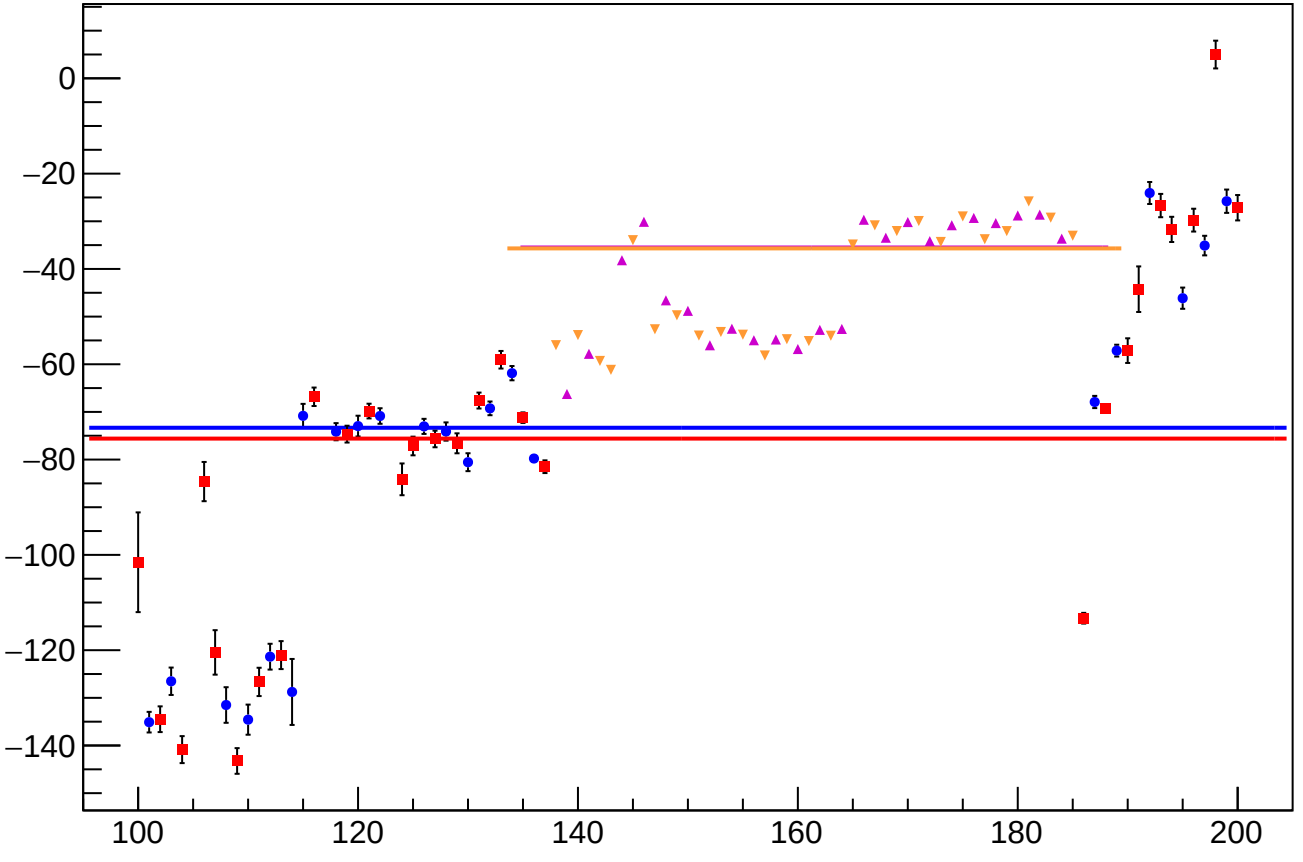
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.092+/-0.073 χ^2/NDF: 3545.5/46

All: 6.911+/-0.052 χ^2/NDF: 8052.9/97

- sign 6.726+/-0.074 χ^2/NDF: 4495.2/50

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -73.325+/-0.358 χ^2/NDF: 3846.5/21

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -75.598+/-0.339 χ^2/NDF: 5906.6/27

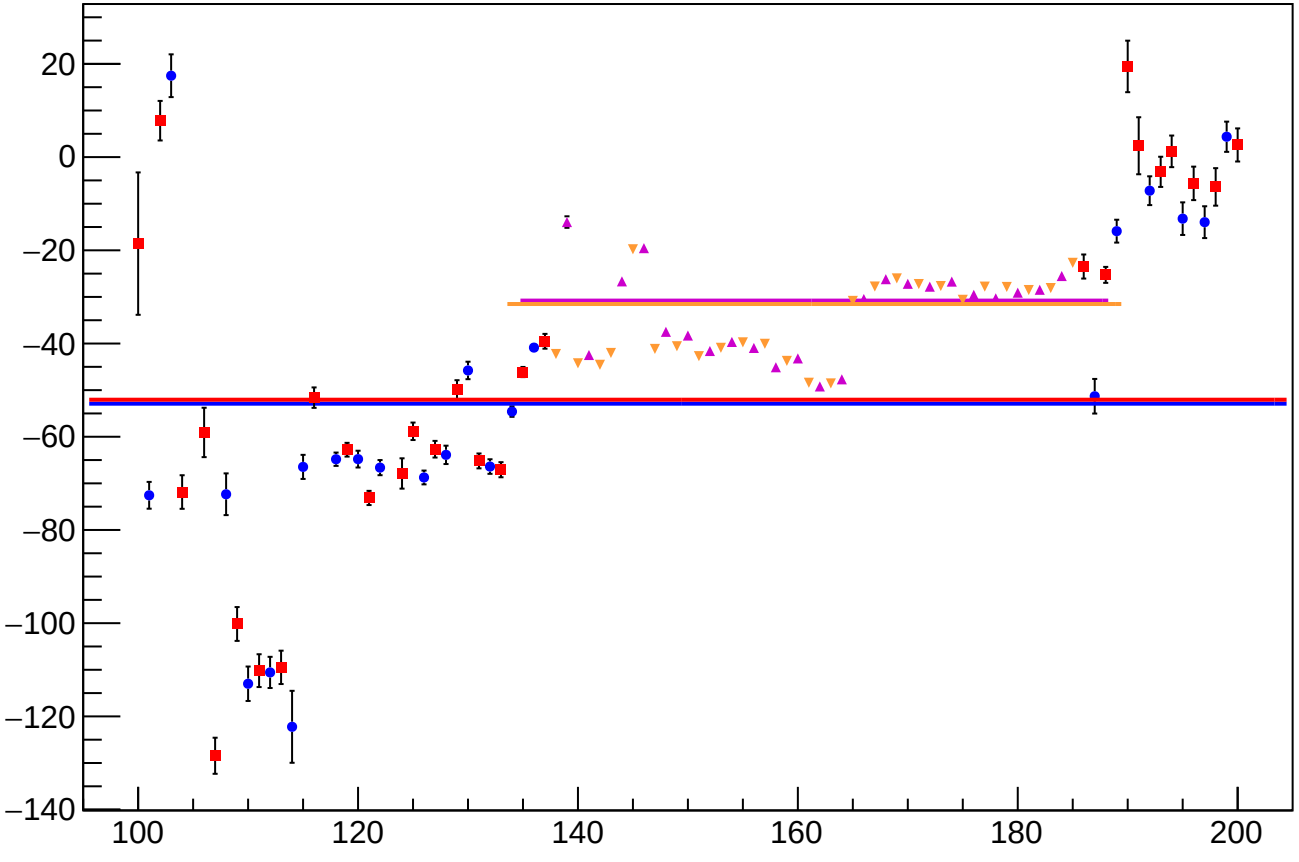
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.033+/-0.089 χ^2/NDF: 26991.9/46

All: -38.211+/-0.064 χ^2/NDF: 57059.4/97

\- sign -38.395+/-0.091 χ^2/NDF: 30059.4/50

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -52.905+/-0.404 χ^2/NDF: 2640.9/21

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -52.053+/-0.427 χ^2/NDF: 3516.4/27

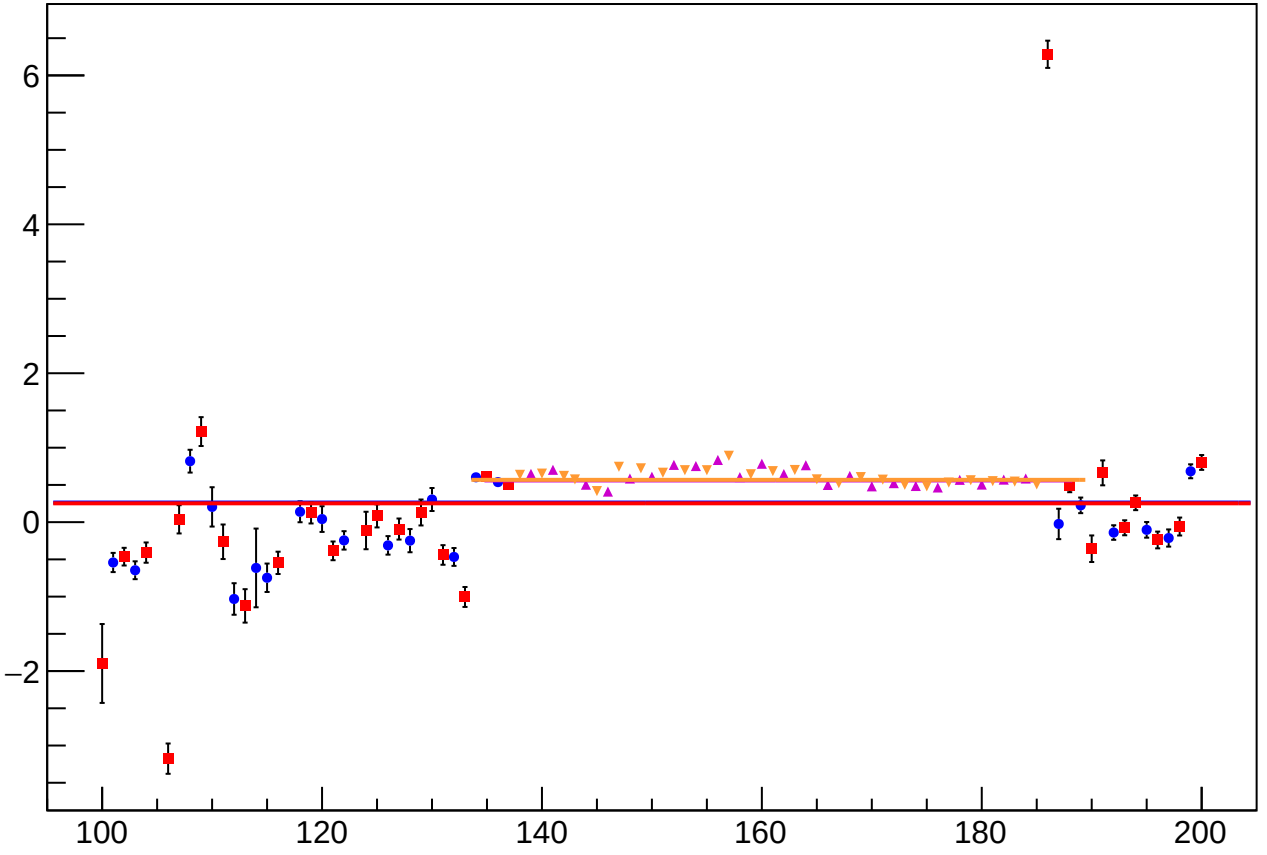
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.381+/-0.081 χ^2/NDF: 13786.1/46

All: -31.991+/-0.058 χ^2/NDF: 27282.6/97

- sign -31.586+/-0.083 χ^2/NDF: 13449.3/50

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.263+/-0.020 χ^2/NDF: 446.0/21

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

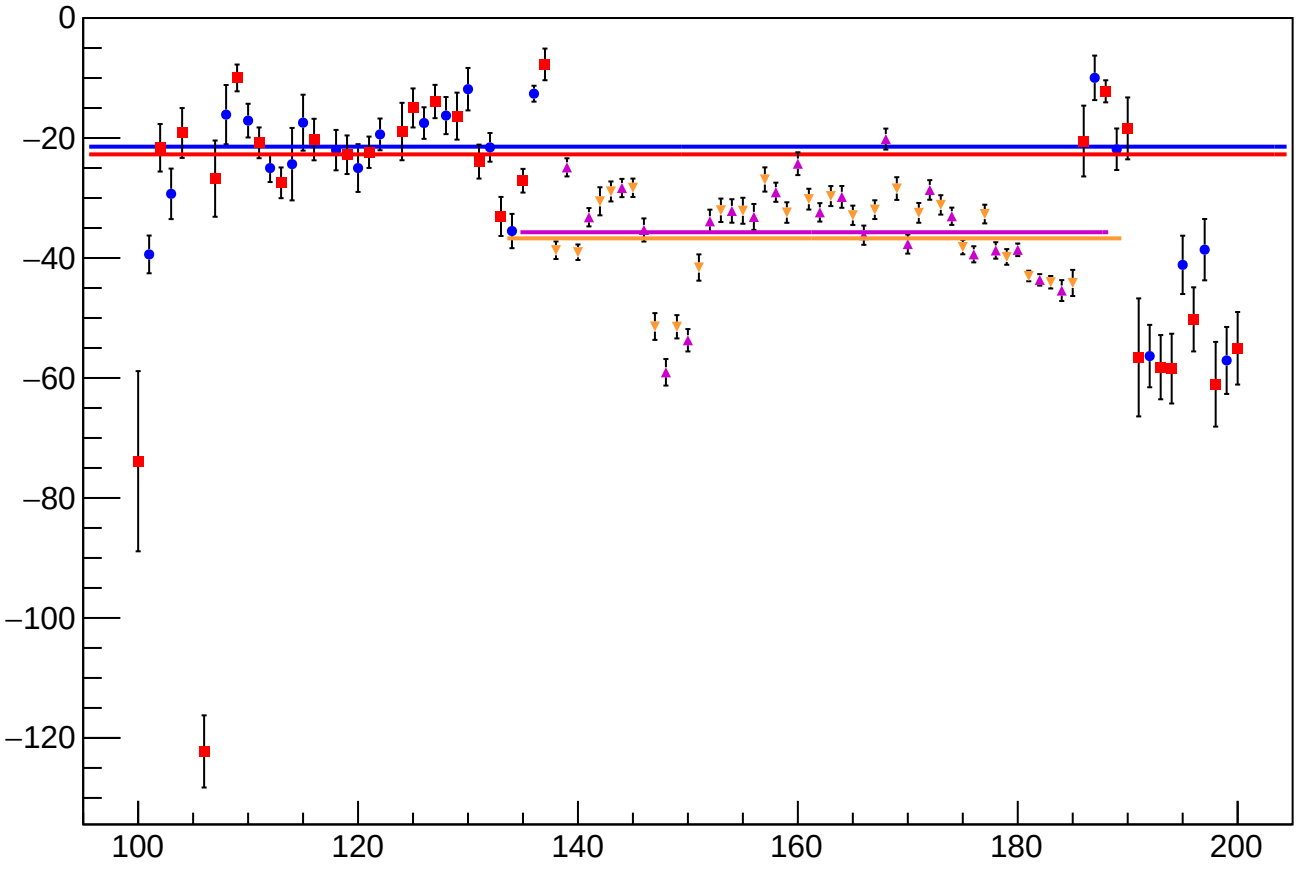
Right Out: 0.253+/-0.022 χ^2/NDF: 1873.1/27

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

\+ sign 0.559+/-0.004 χ^2/NDF: 1216.3/46

All: 0.555+/-0.003 χ^2/NDF: 3956.3/97

\- sign 0.551+/-0.004 χ^2/NDF: 2737.8/50



Right In: -21.444+/-0.649 χ^2/NDF: 248.4/21

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.728+/-0.635 χ^2/NDF: 601.7/27

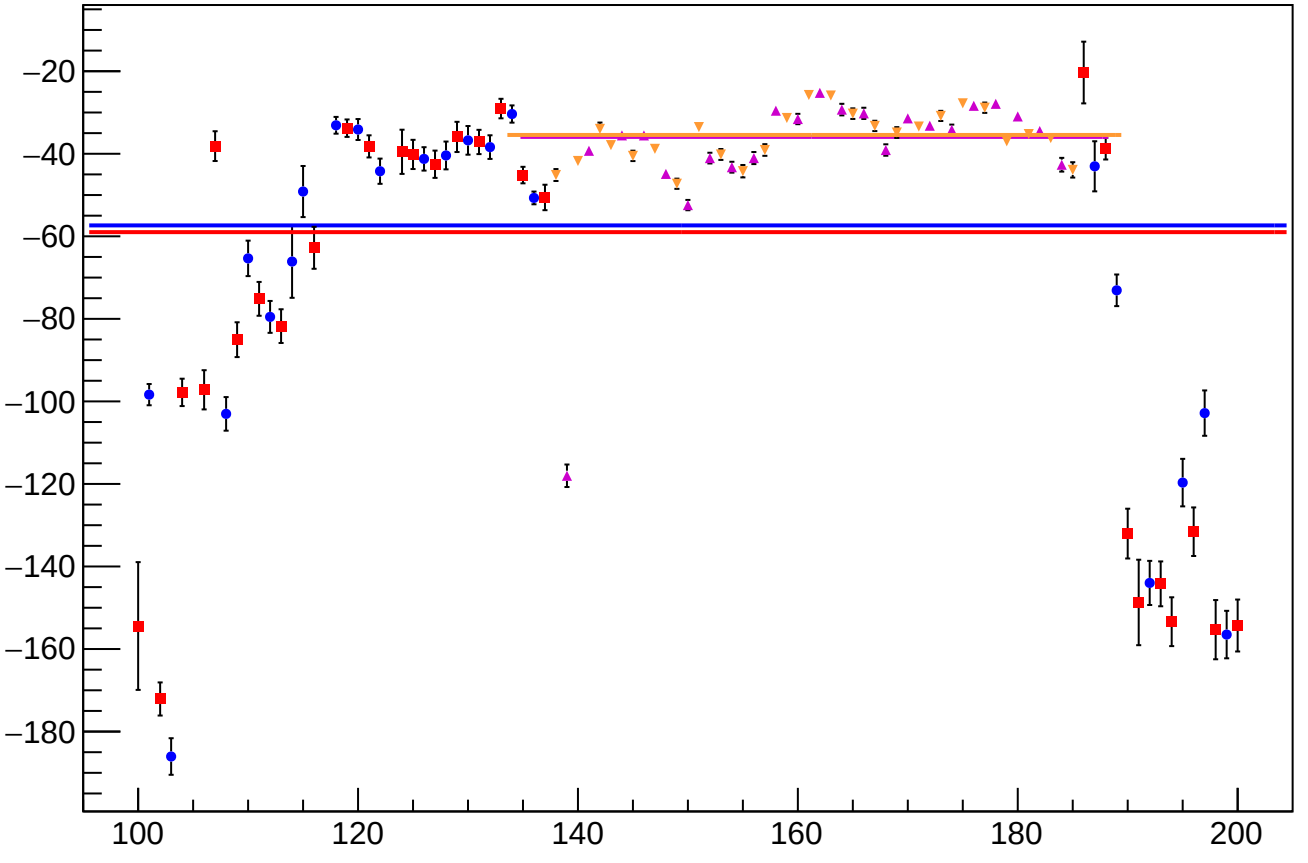
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

\+ sign -33.879+/-0.280 χ^2/NDF: 1120.9/46

All: -33.469+/-0.201 χ^2/NDF: 2637.7/97

\- sign -33.034+/-0.288 χ^2/NDF: 1512.4/50

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -57.358+/-0.671 χ^2/NDF: 2596.8/21

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -58.989+/-0.686 χ^2/NDF: 3102.9/27

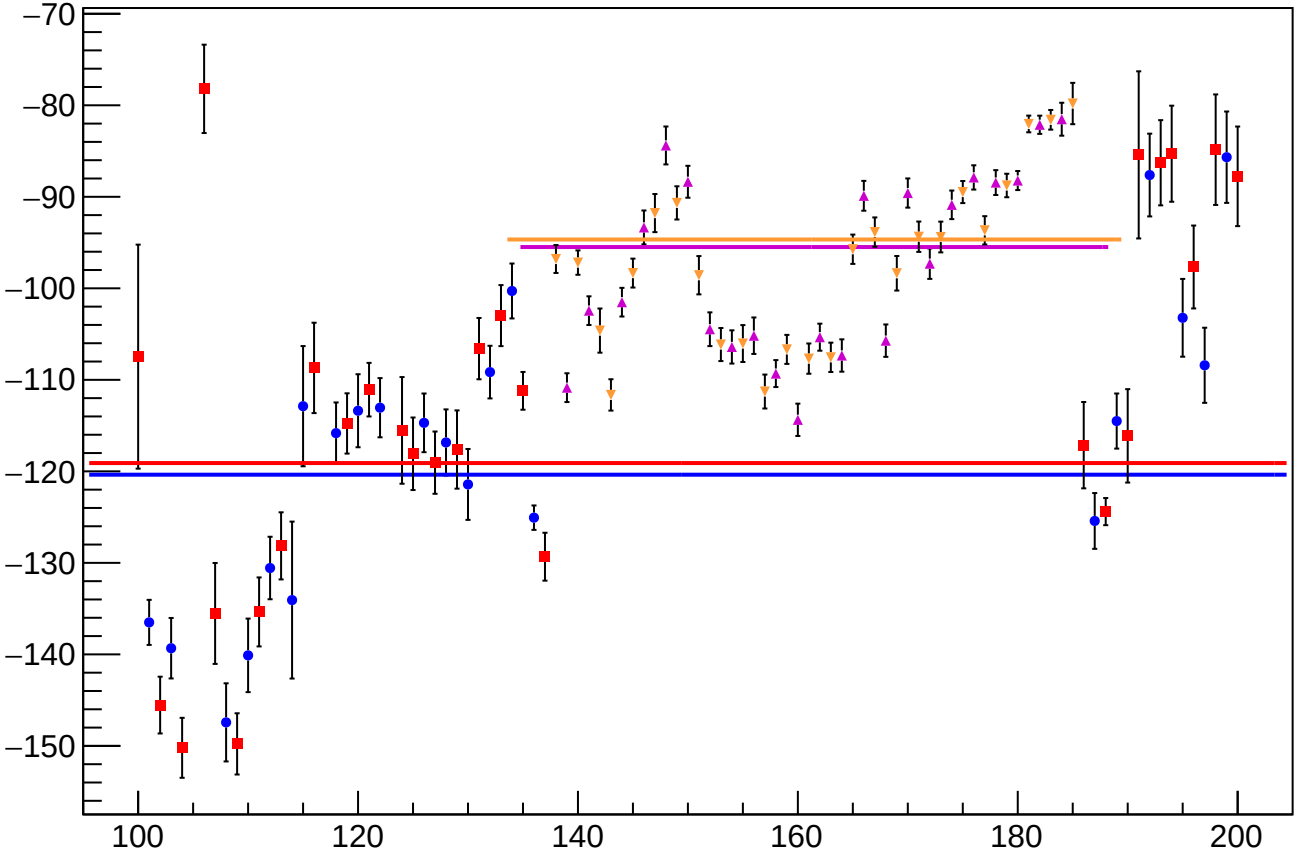
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.015+/-0.230 χ^2/NDF: 4074.9/46

All: -38.359+/-0.166 χ^2/NDF: 9717.7/97

- sign -38.733+/-0.240 χ^2/NDF: 5638.1/50

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -120.365+/-0.674 χ^2/NDF: 371.5/21

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.093+/-0.659 χ^2/NDF: 640.4/27

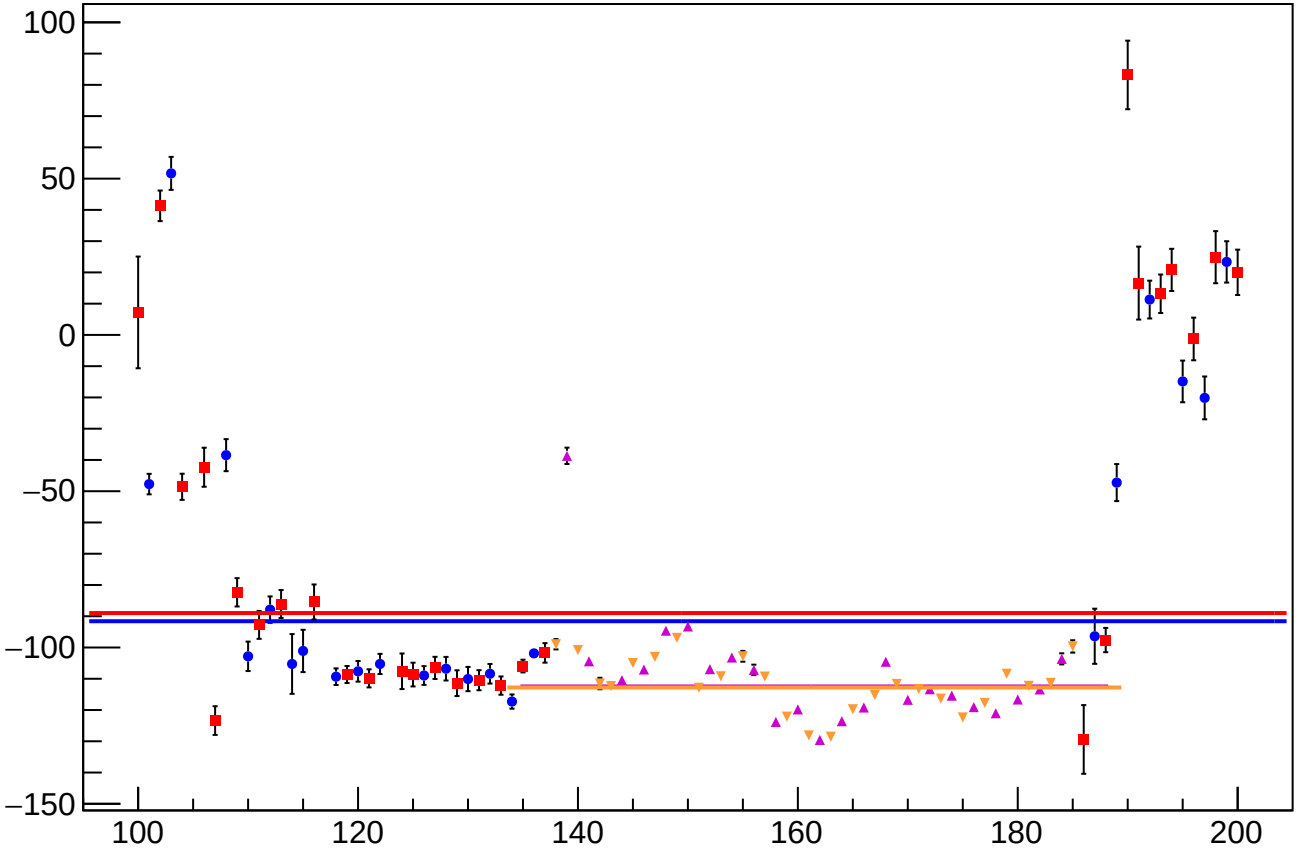
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.143+/-0.282 χ^2/NDF: 2471.3/46

All: -99.569+/-0.202 χ^2/NDF: 5122.3/97

- sign -100.016+/-0.289 χ^2/NDF: 2646.3/50

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -91.593+/-0.761 χ^2/NDF: 2281.5/21

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -88.981+/-0.790 χ^2/NDF: 2803.0/27

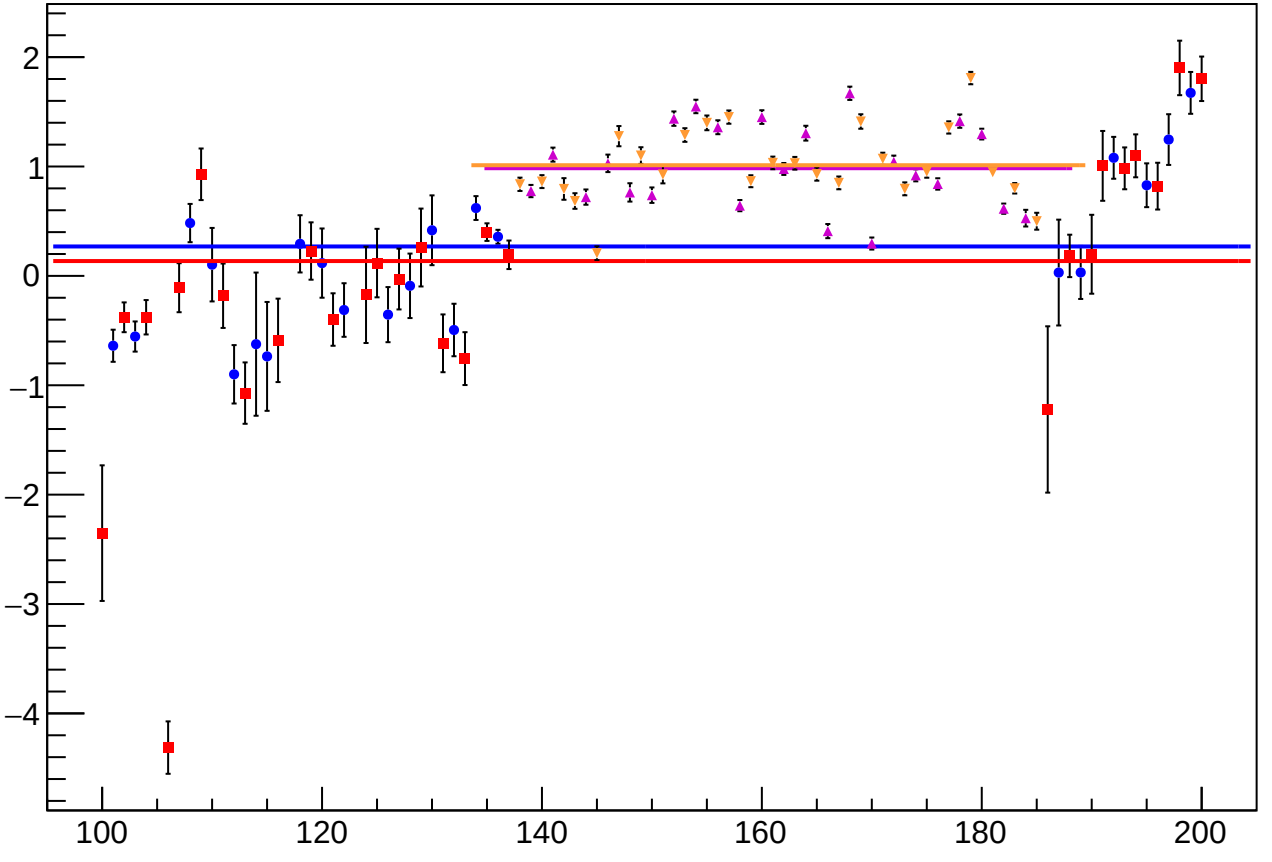
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.362+/-0.258 χ^2/NDF: 3904.5/46

All: -110.075+/-0.186 χ^2/NDF: 9280.3/97

- sign -109.765+/-0.268 χ^2/NDF: 5373.2/50

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.269+/-0.038 χ^2/NDF: 235.5/21

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.136+/-0.039 χ^2/NDF: 642.3/27

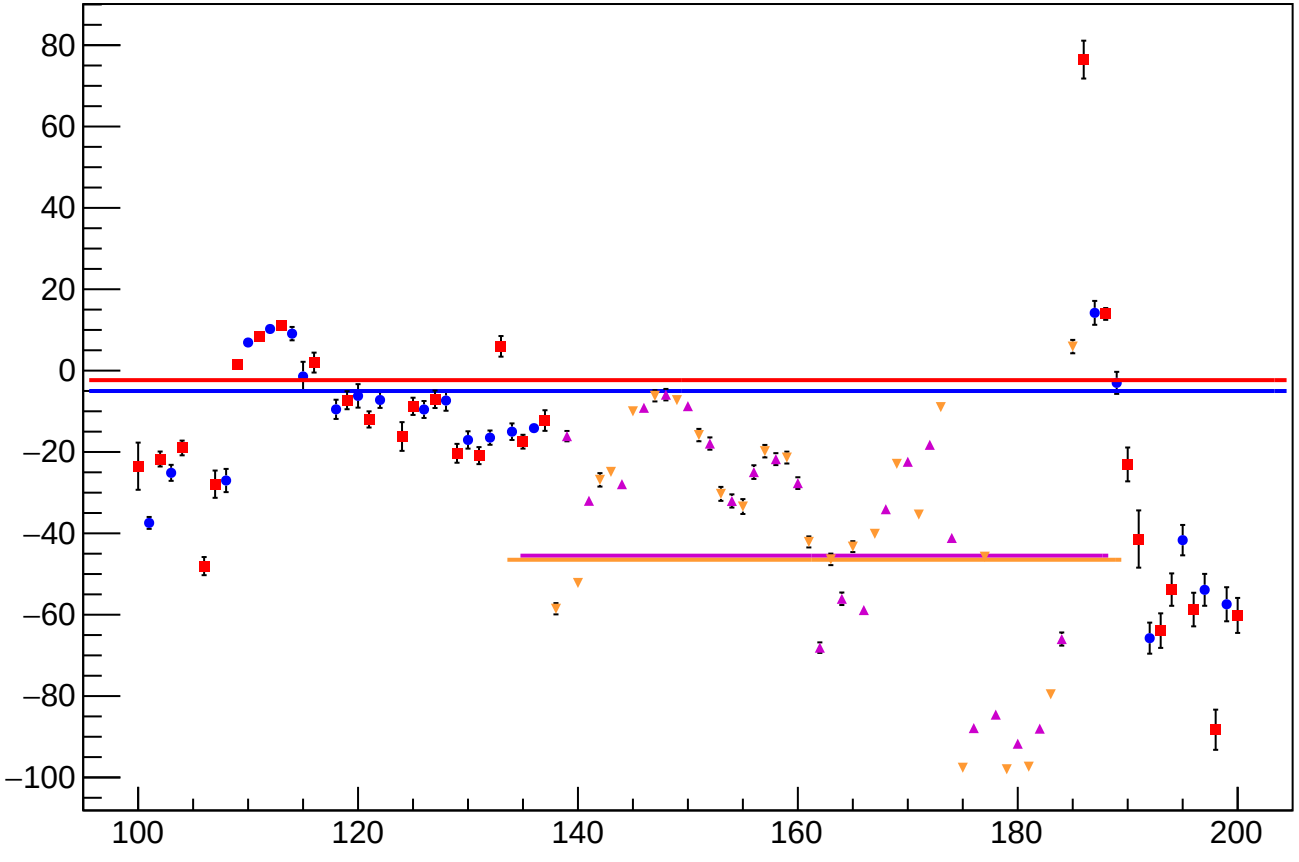
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.940+/-0.012 χ^2/NDF: 1279.7/46

All: 0.923+/-0.008 χ^2/NDF: 3255.9/97

- sign 0.905+/-0.012 χ^2/NDF: 1971.6/50

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.013+/-0.364 χ^2/NDF: 2249.6/21

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.340+/-0.323 χ^2/NDF: 3046.6/27

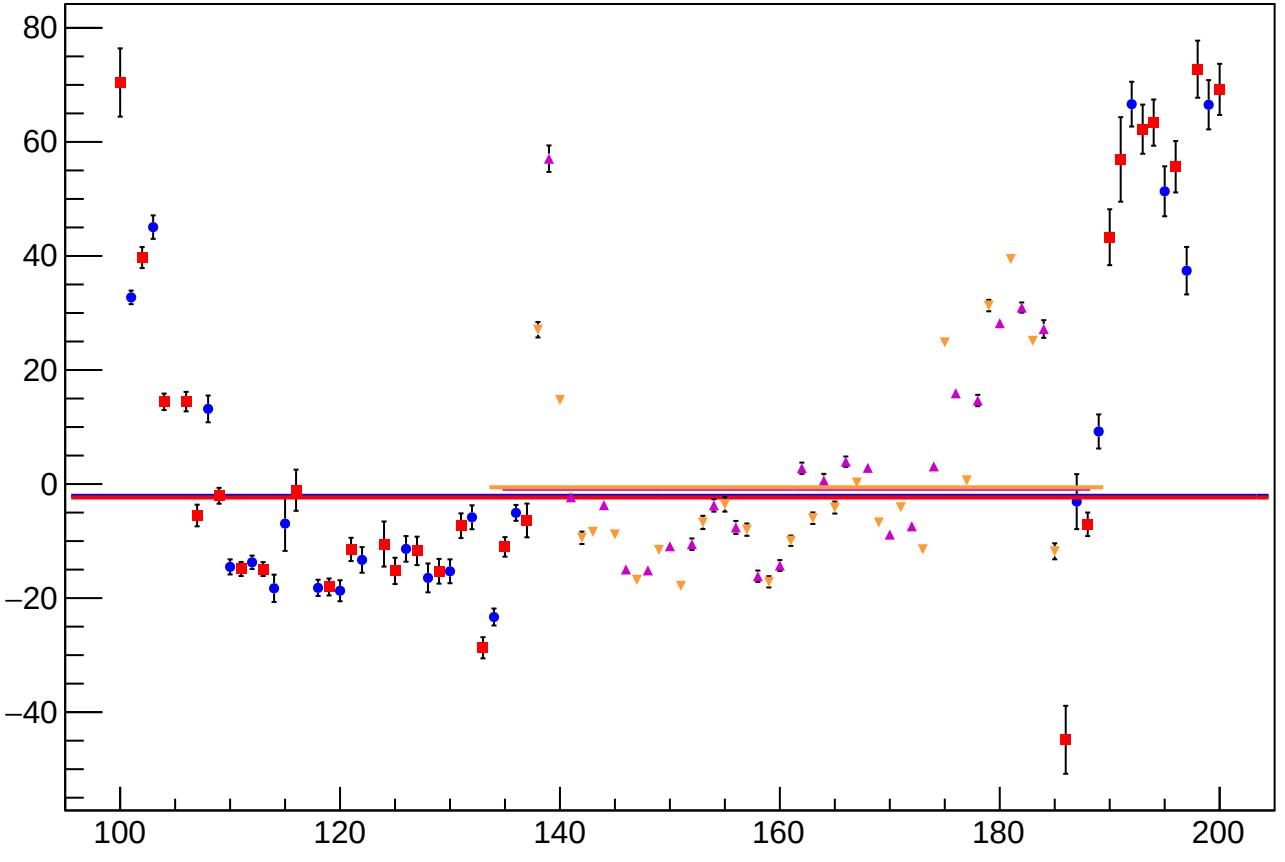
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.638+/-0.194 χ^2/NDF: 31585.3/46

All: -32.440+/-0.136 χ^2/NDF: 62044.1/97

- sign -30.312+/-0.191 χ^2/NDF: 30207.4/50

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.055+/-0.416 χ^2/NDF: 2997.5/21

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -2.359+/-0.402 χ^2/NDF: 2904.1/27

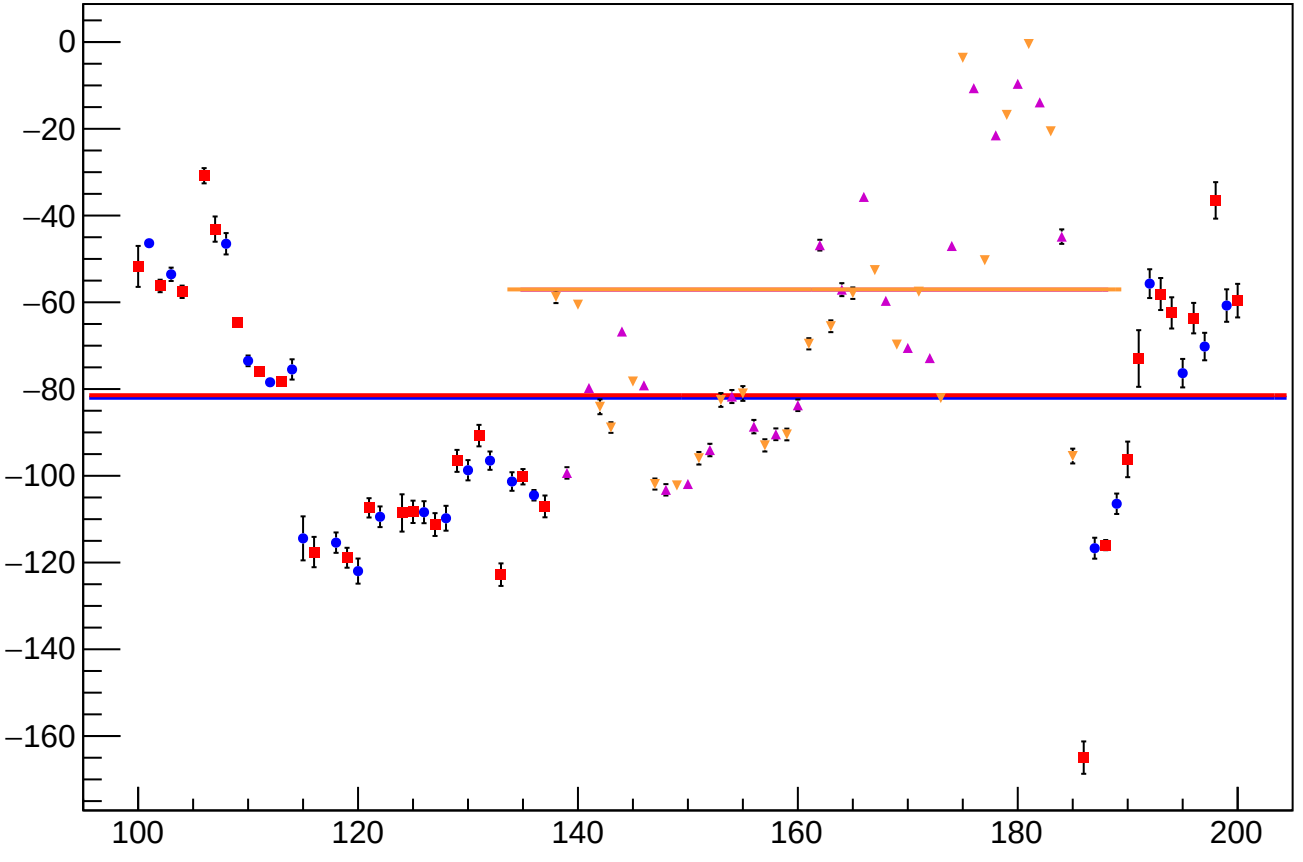
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.800+/-0.163 χ^2/NDF: 11459.7/46

All: -0.942+/-0.117 χ^2/NDF: 20494.0/97

- sign -1.091+/-0.167 χ^2/NDF: 9032.7/50

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.006+/-0.411 χ^2/NDF: 3300.8/21

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.425+/-0.378 χ^2/NDF: 4850.0/27

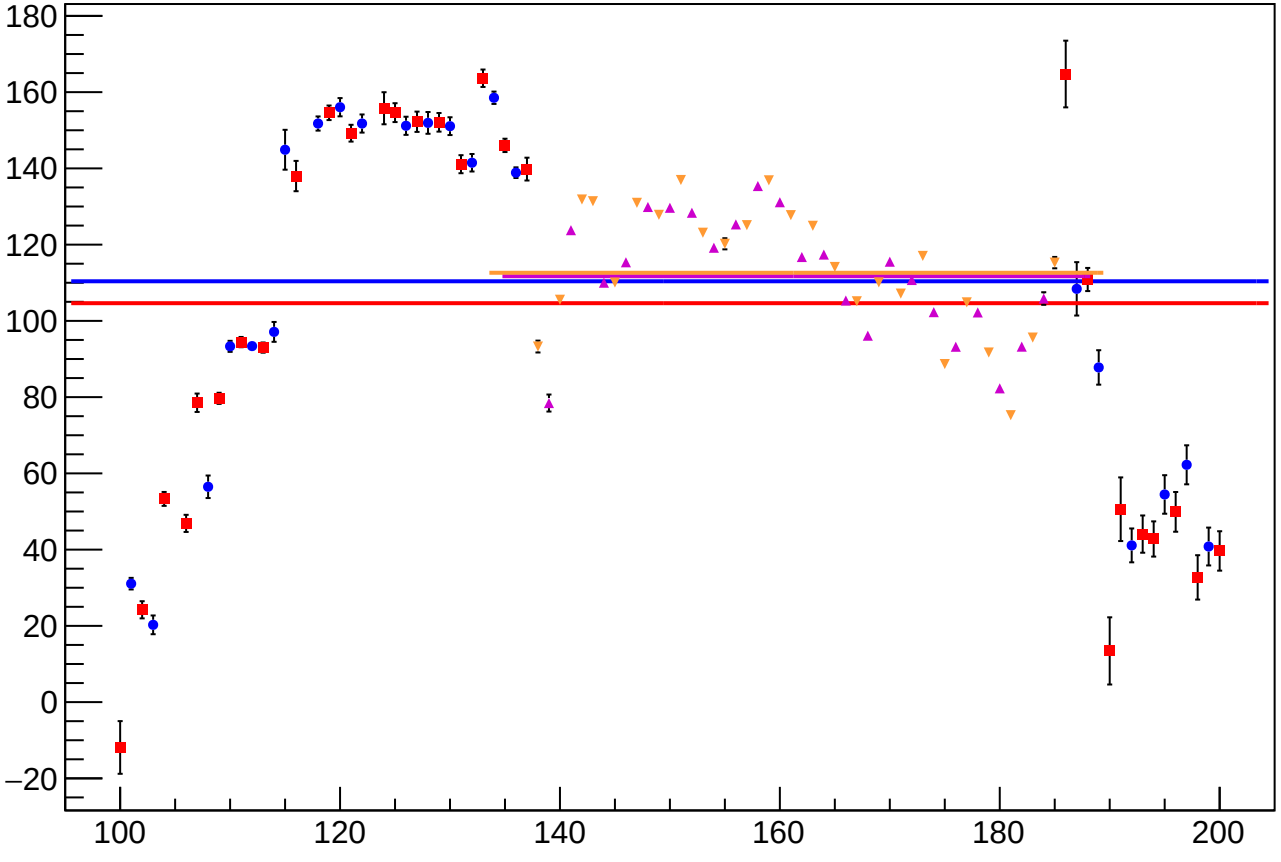
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.973+/-0.201 χ^2/NDF: 26419.7/46

All: -63.455+/-0.142 χ^2/NDF: 51425.5/97

- sign -63.938+/-0.201 χ^2/NDF: 24994.2/50

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.390+/-0.476 χ^2/NDF: 8911.7/21

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 104.643+/-0.462 χ^2/NDF: 8534.6/27

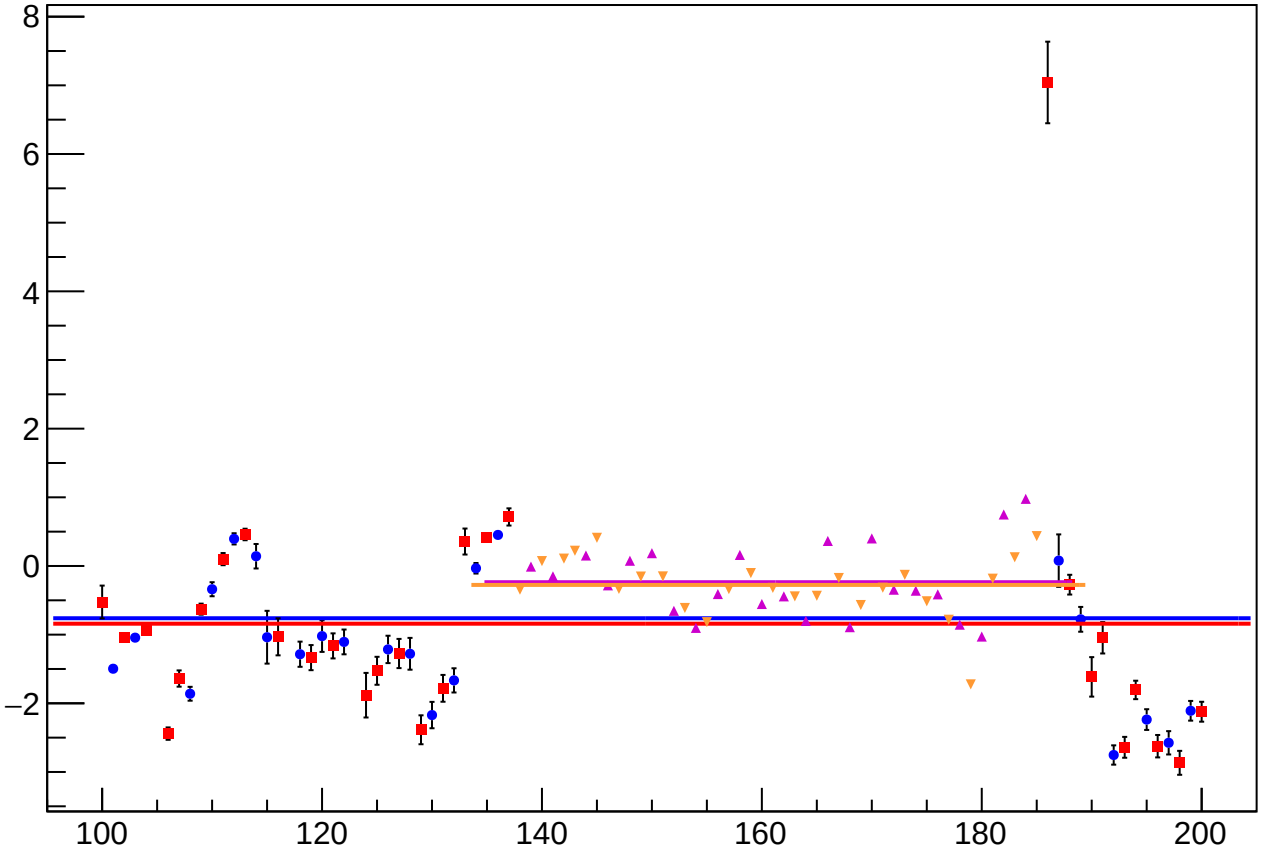
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.289+/-0.184 χ^2/NDF: 15638.5/46

All: 111.435+/-0.132 χ^2/NDF: 29309.7/97

- sign 110.544+/-0.188 χ^2/NDF: 13627.4/50

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.761+/-0.024 χ^2/NDF: 1656.4/21

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.841+/-0.023 χ^2/NDF: 2093.3/27

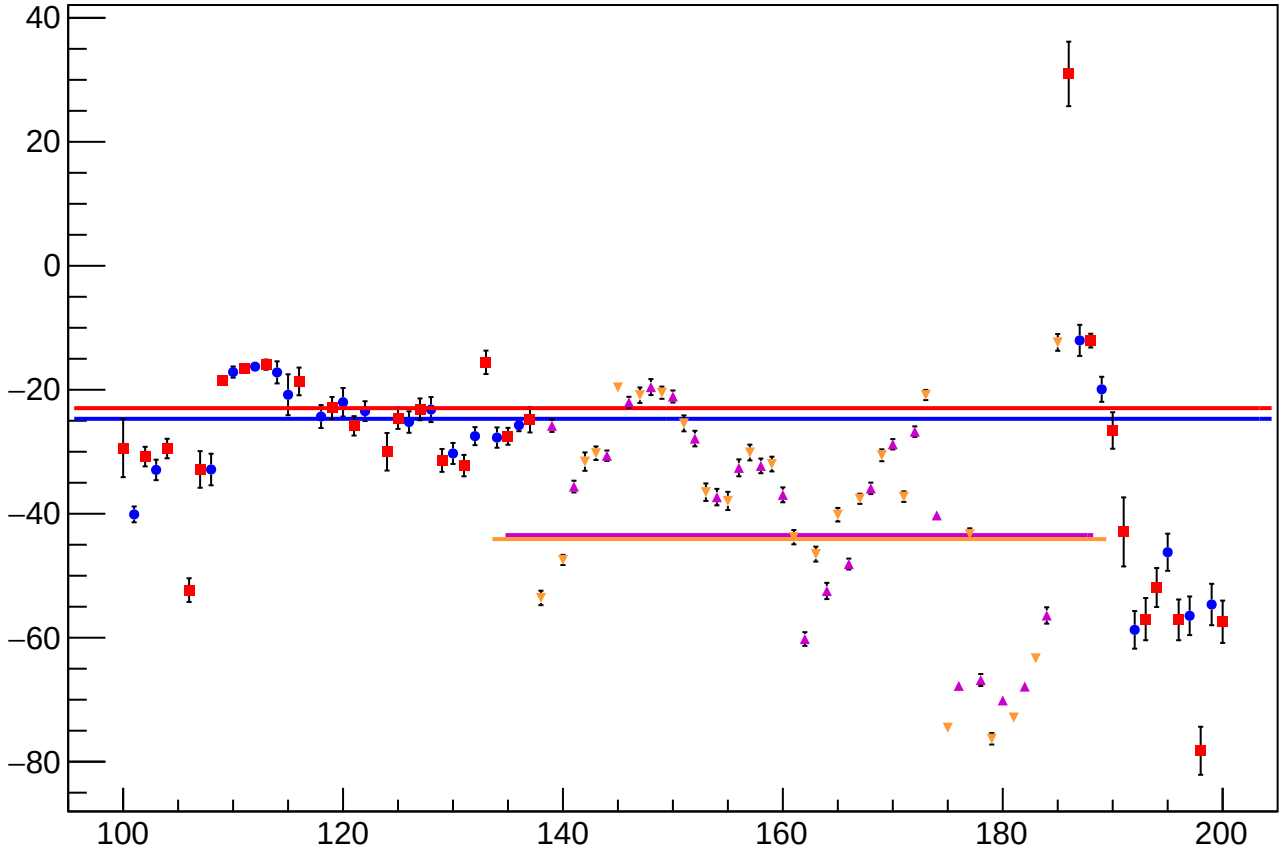
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.335+/-0.008 χ^2/NDF: 4134.3/46

All: -0.327+/-0.006 χ^2/NDF: 9780.8/97

- sign -0.319+/-0.009 χ^2/NDF: 5644.7/50

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -24.685+/-0.332 χ^2/NDF: 808.9/21

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.967+/-0.300 χ^2/NDF: 1371.1/27

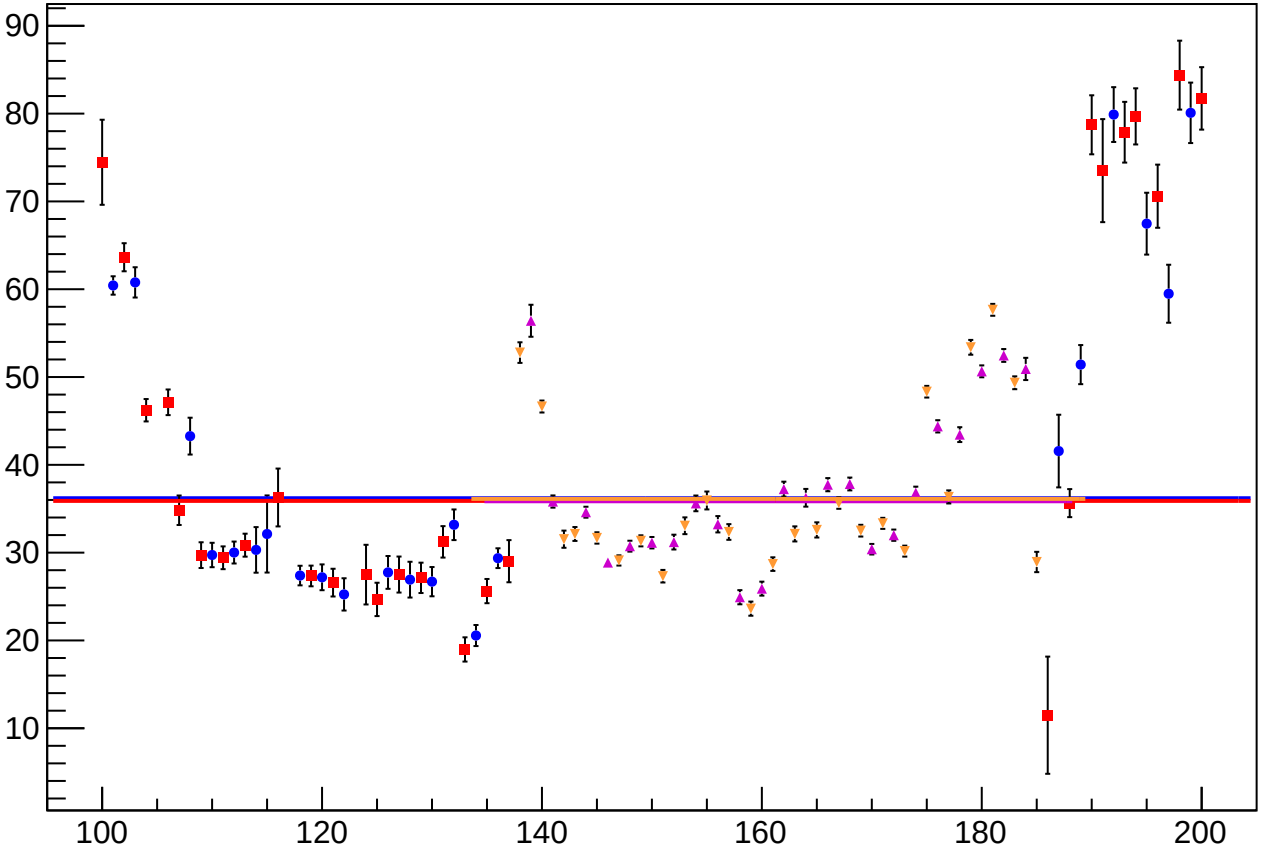
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.191+/-0.167 χ^2/NDF: 13698.9/46

All: -38.193+/-0.118 χ^2/NDF: 26194.4/97

- sign -37.210+/-0.166 χ^2/NDF: 12424.6/50

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 36.195+/-0.360 χ^2/NDF: 1757.0/21

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.894+/-0.351 χ^2/NDF: 1902.8/27

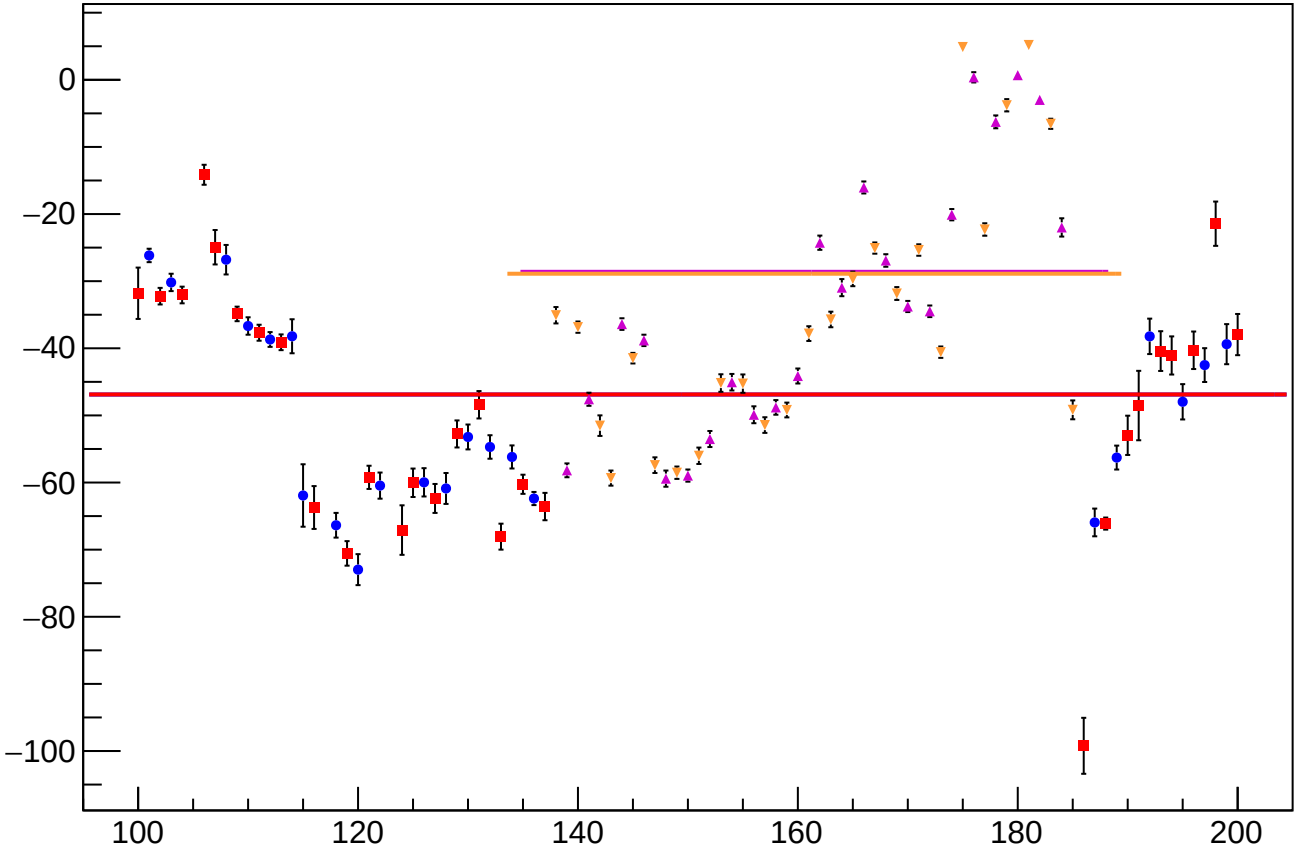
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

\+ sign 36.134+/-0.138 χ^2/NDF: 5315.6/46

All: 35.999+/-0.099 χ^2/NDF: 9513.9/97

\- sign 35.859+/-0.142 χ^2/NDF: 4196.3/50

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.890+/-0.361 χ^2/NDF: 1626.3/21

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.876+/-0.333 χ^2/NDF: 2434.4/27

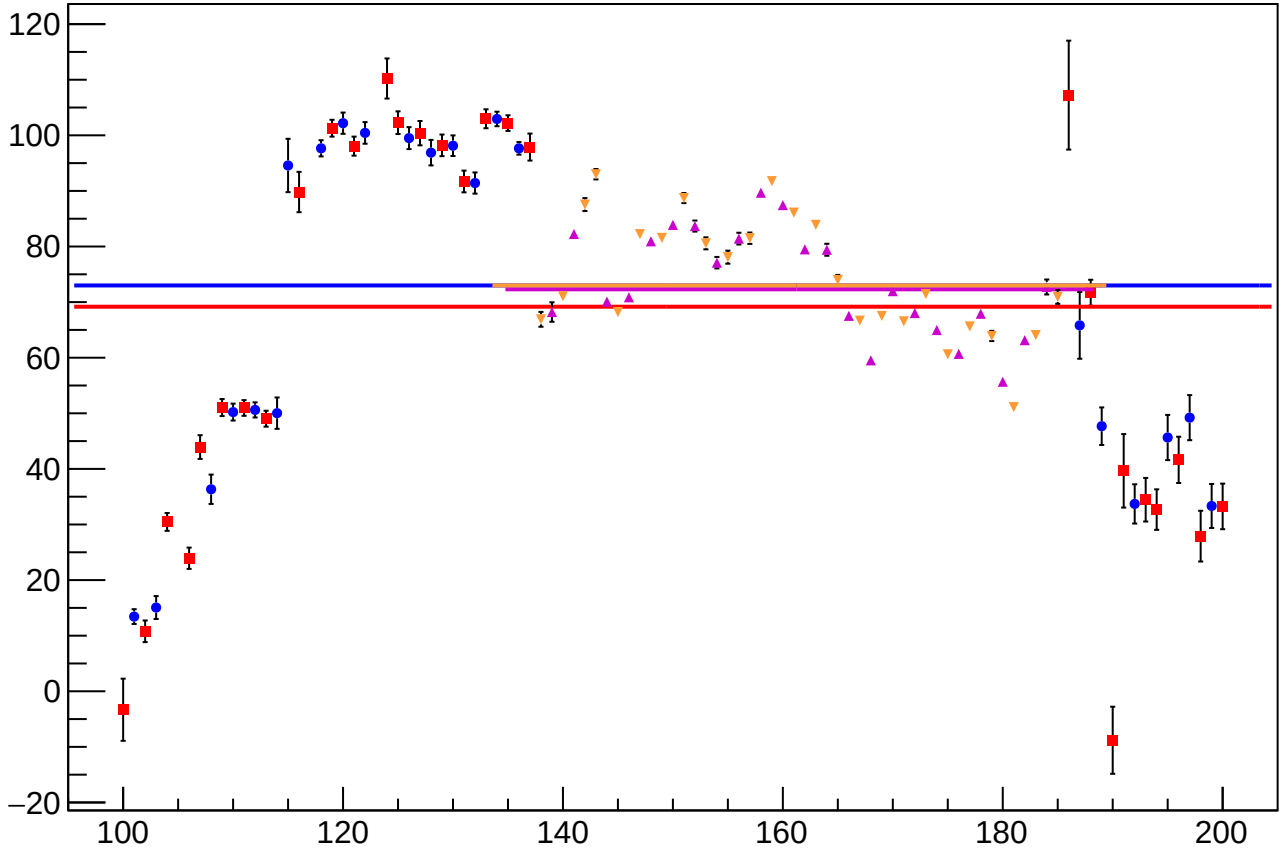
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.890+/-0.170 χ^2/NDF: 15361.9/46

All: -33.126+/-0.120 χ^2/NDF: 30037.1/97

- sign -33.362+/-0.170 χ^2/NDF: 14671.3/50

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.995+/-0.413 χ^2/NDF: 6212.9/21

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.172+/-0.406 χ^2/NDF: 6241.5/27

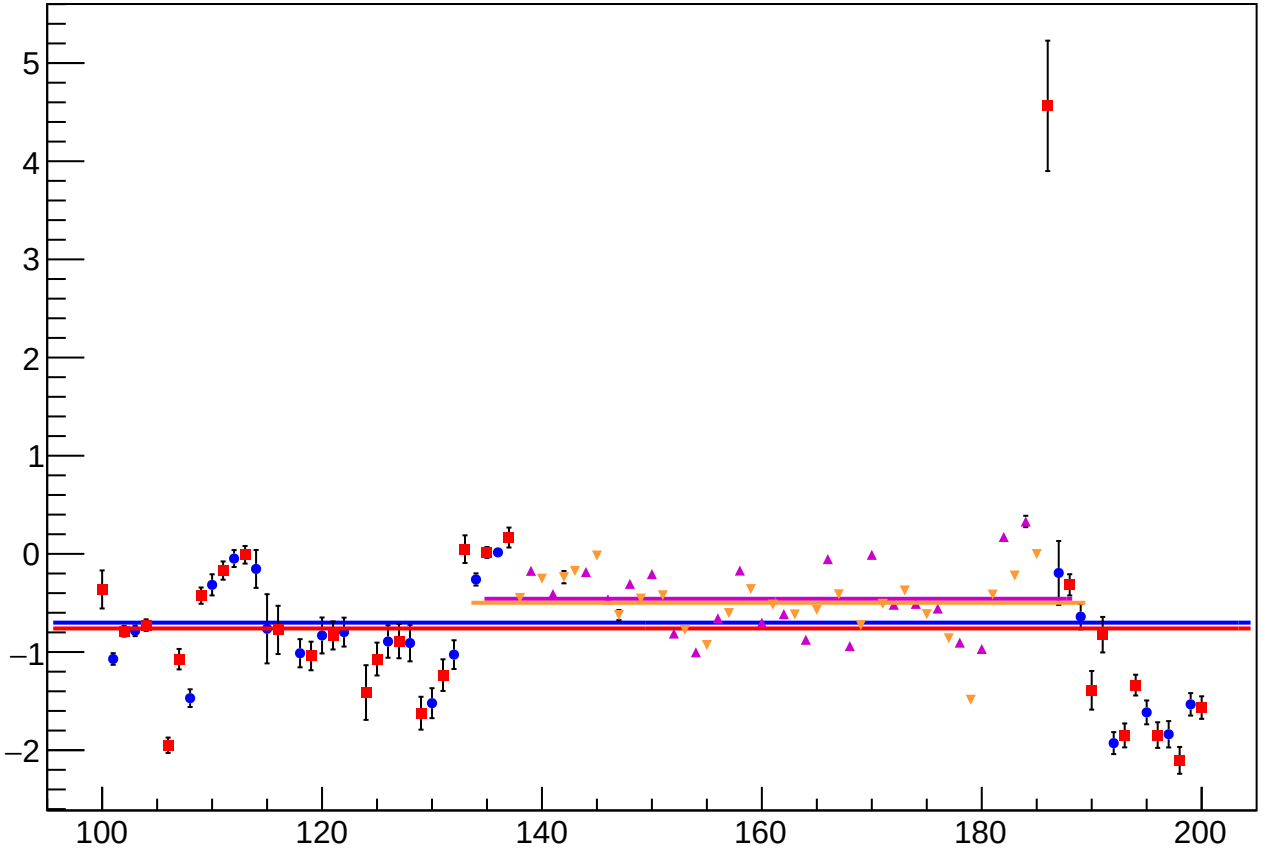
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.001+/-0.156 χ^2/NDF: 10265.3/46

All: 72.423+/-0.112 χ^2/NDF: 19497.7/97

- sign 71.819+/-0.159 χ^2/NDF: 9204.4/50

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.701+/-0.021 χ^2/NDF: 836.0/21

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.760+/-0.020 χ^2/NDF: 1147.5/27

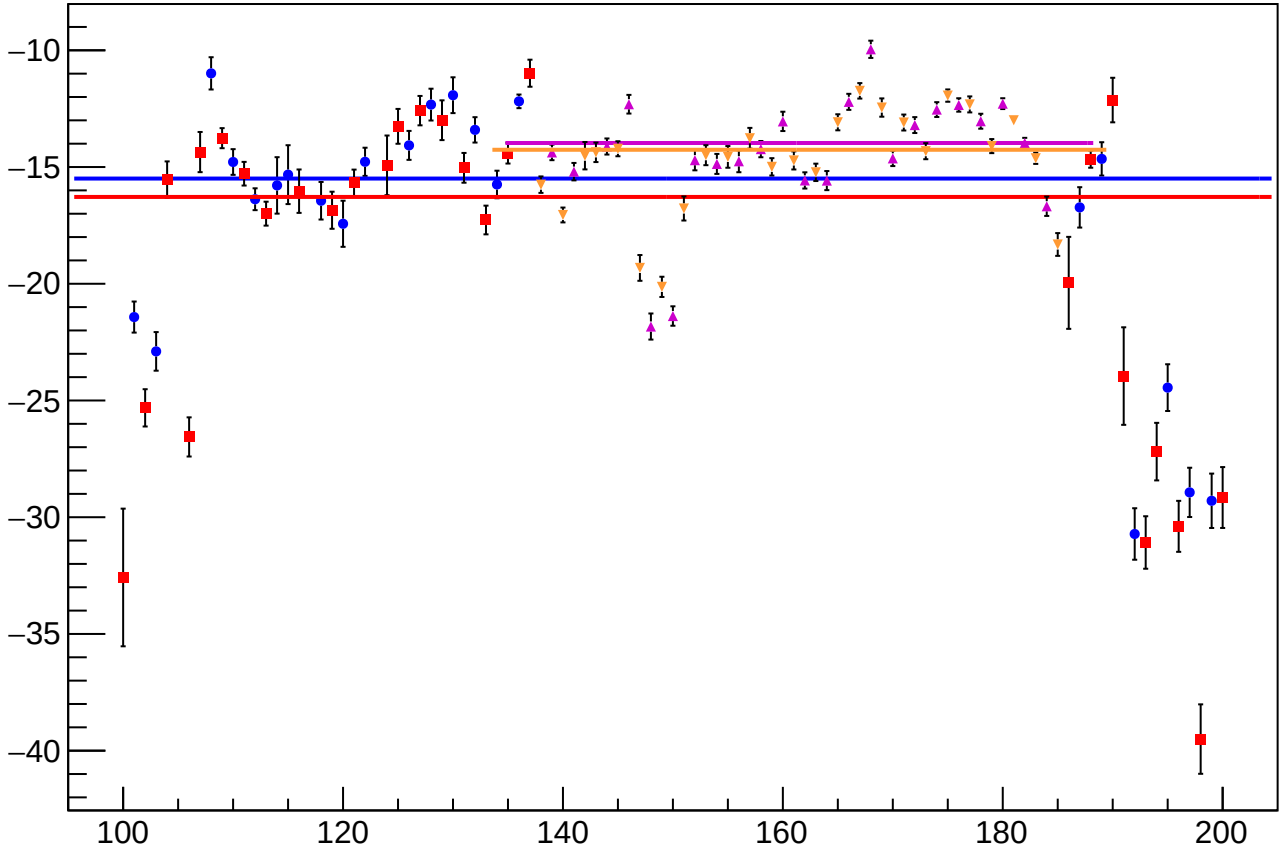
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.522+/-0.007 χ^2/NDF: 2404.6/46

All: -0.509+/-0.005 χ^2/NDF: 5862.1/97

- sign -0.497+/-0.007 χ^2/NDF: 3451.0/50

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.494+/-0.139 χ^2/NDF: 982.7/21

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.281+/-0.133 χ^2/NDF: 1346.6/27

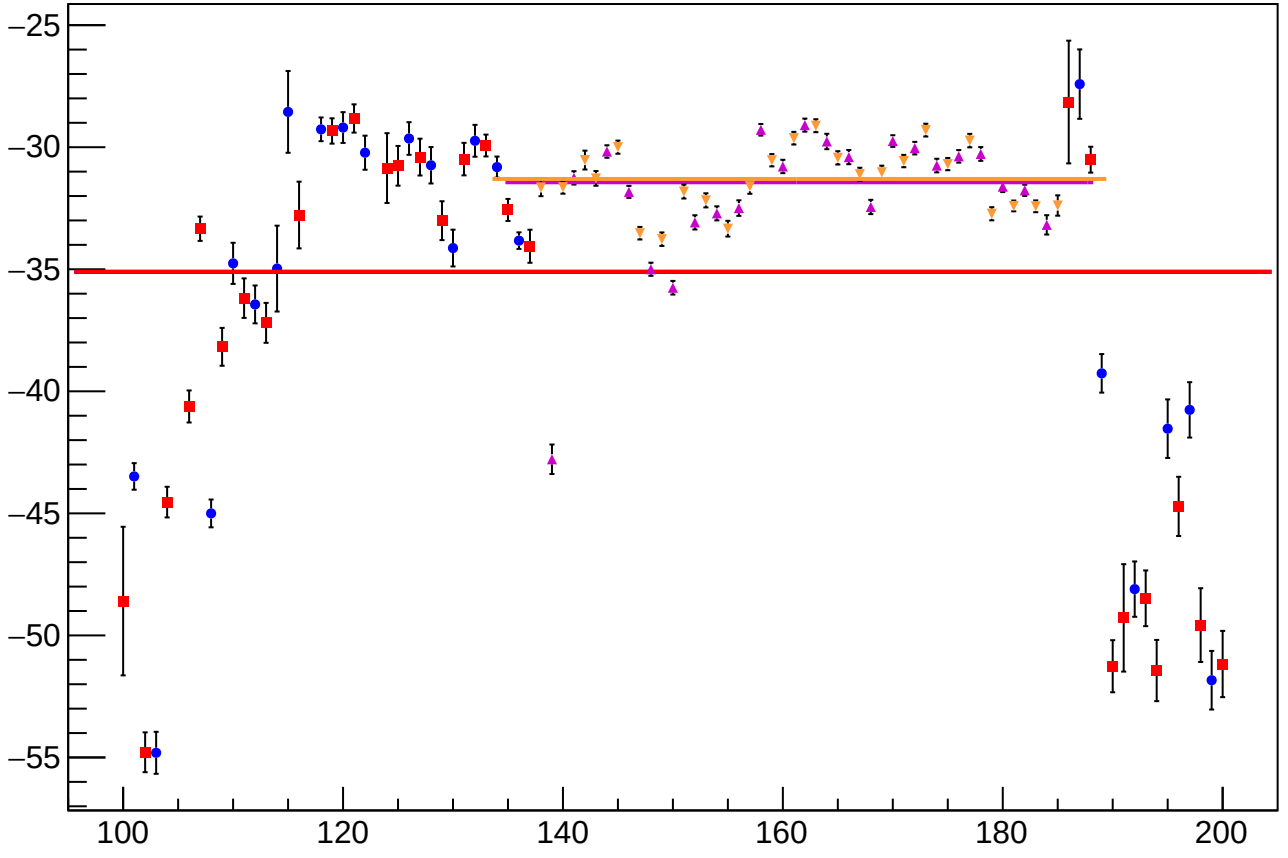
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.507+/-0.062 χ^2/NDF: 1769.3/46

All: -14.501+/-0.044 χ^2/NDF: 4258.0/97

- sign -14.494+/-0.063 χ^2/NDF: 2488.7/50

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.106+/-0.145 χ^2/NDF: 2083.0/21

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

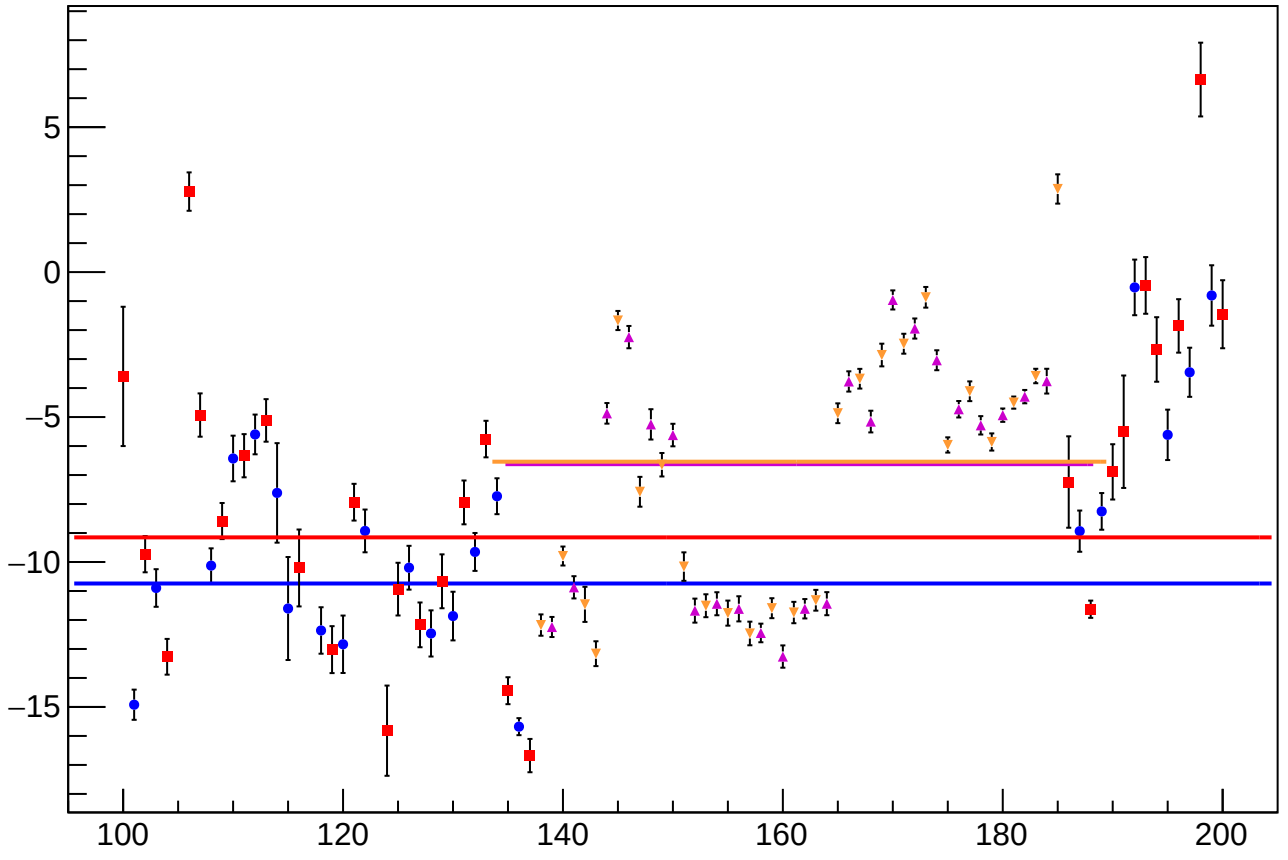
Right Out: -35.101+/-0.141 χ^2/NDF: 2432.1/27

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

\+ sign -31.783+/-0.052 χ^2/NDF: 3238.3/46

All: -31.865+/-0.037 χ^2/NDF: 7466.8/97

\- sign -31.952+/-0.053 χ^2/NDF: 4223.3/50



Right In: -10.742+/-0.144 χ^2/NDF: 821.7/21

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.150+/-0.136 χ^2/NDF: 1305.6/27

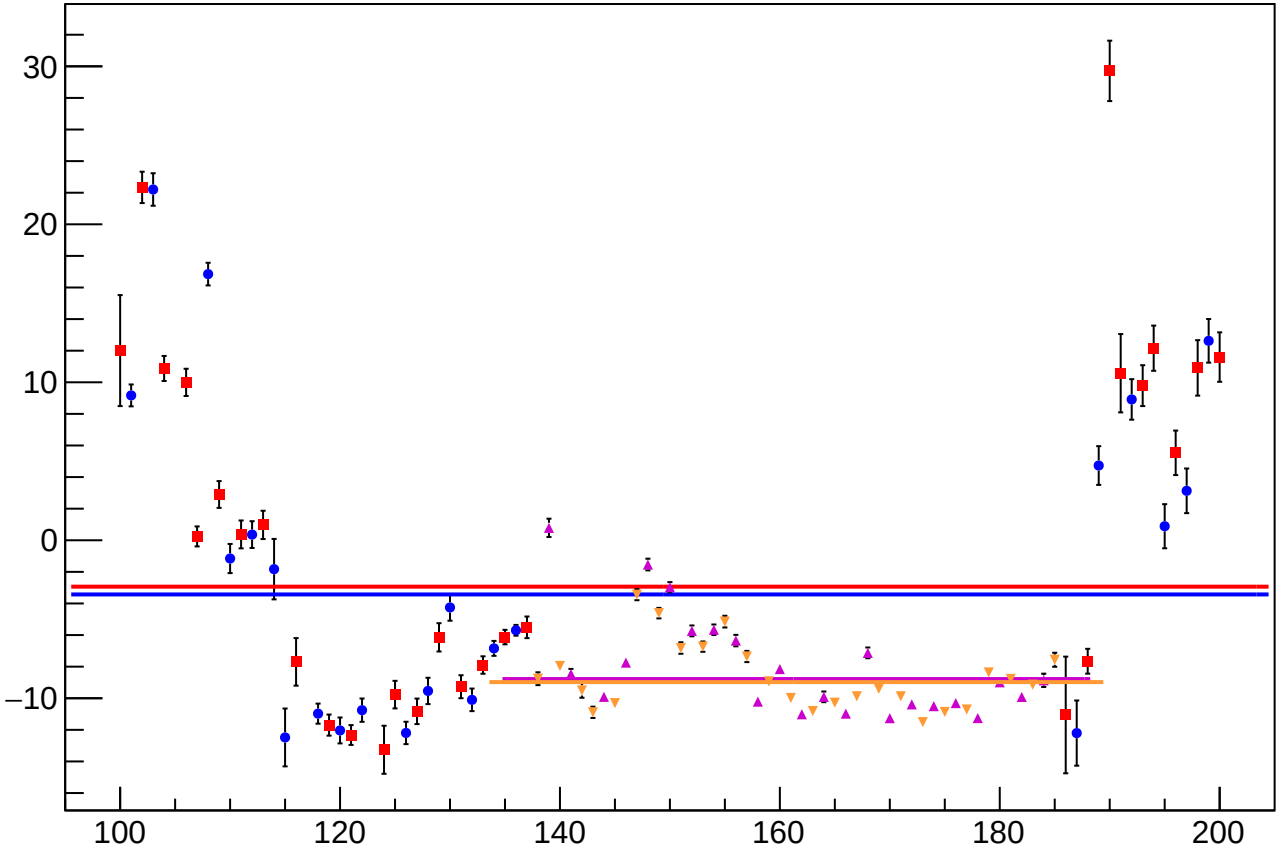
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.334+/-0.063 χ^2/NDF: 4754.3/46

All: -7.254+/-0.044 χ^2/NDF: 9241.7/97

- sign -7.172+/-0.063 χ^2/NDF: 4484.0/50

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.429+/-0.165 χ^2/NDF: 2864.7/21

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

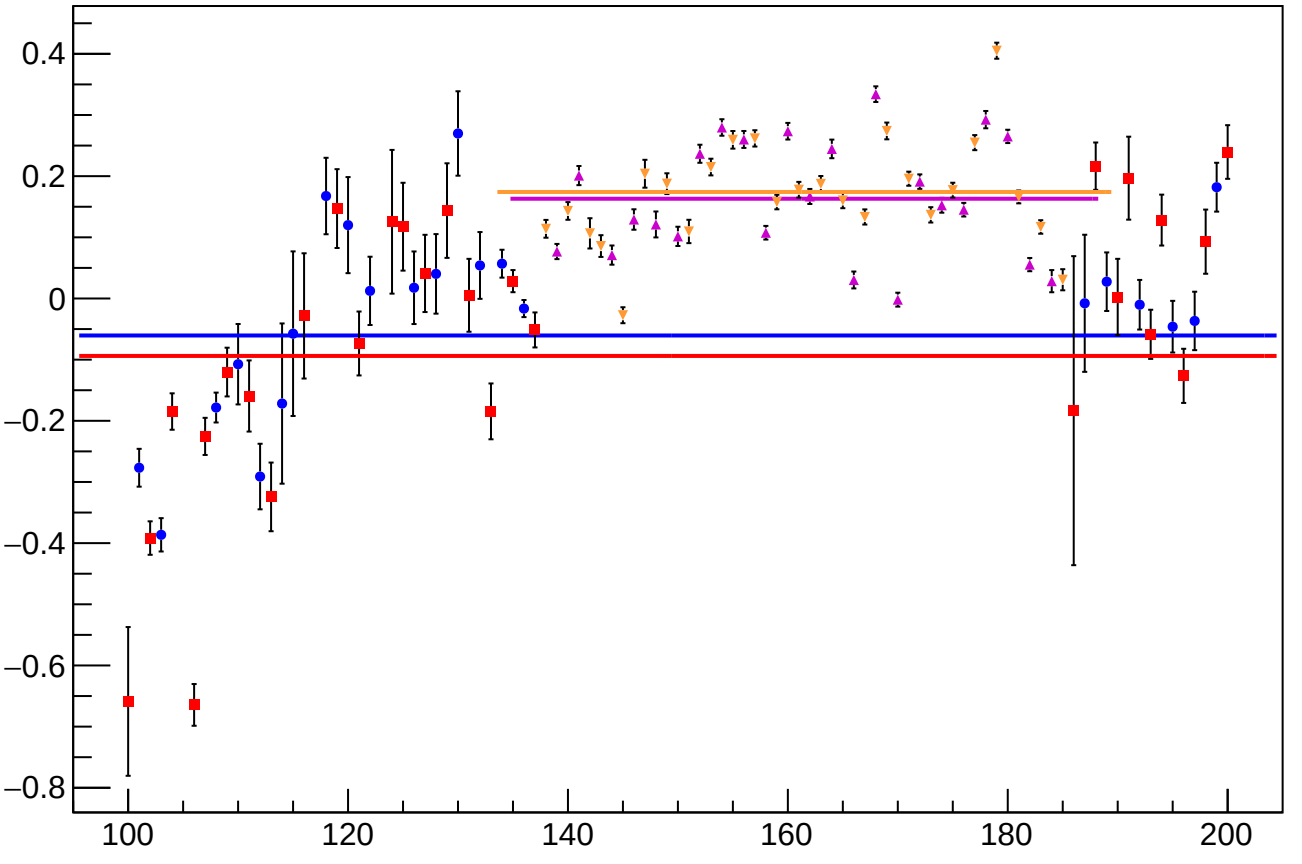
Right Out: -2.937+/-0.165 χ^2/NDF: 2898.0/27

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.299+/-0.058 χ^2/NDF: 4832.9/46

All: -8.170+/-0.041 χ^2/NDF: 10520.7/97

- sign -8.033+/-0.059 χ^2/NDF: 5677.3/50



Right In: -0.060+/-0.008 χ^2/NDF: 365.5/21

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.094+/-0.008 χ^2/NDF: 747.1/27

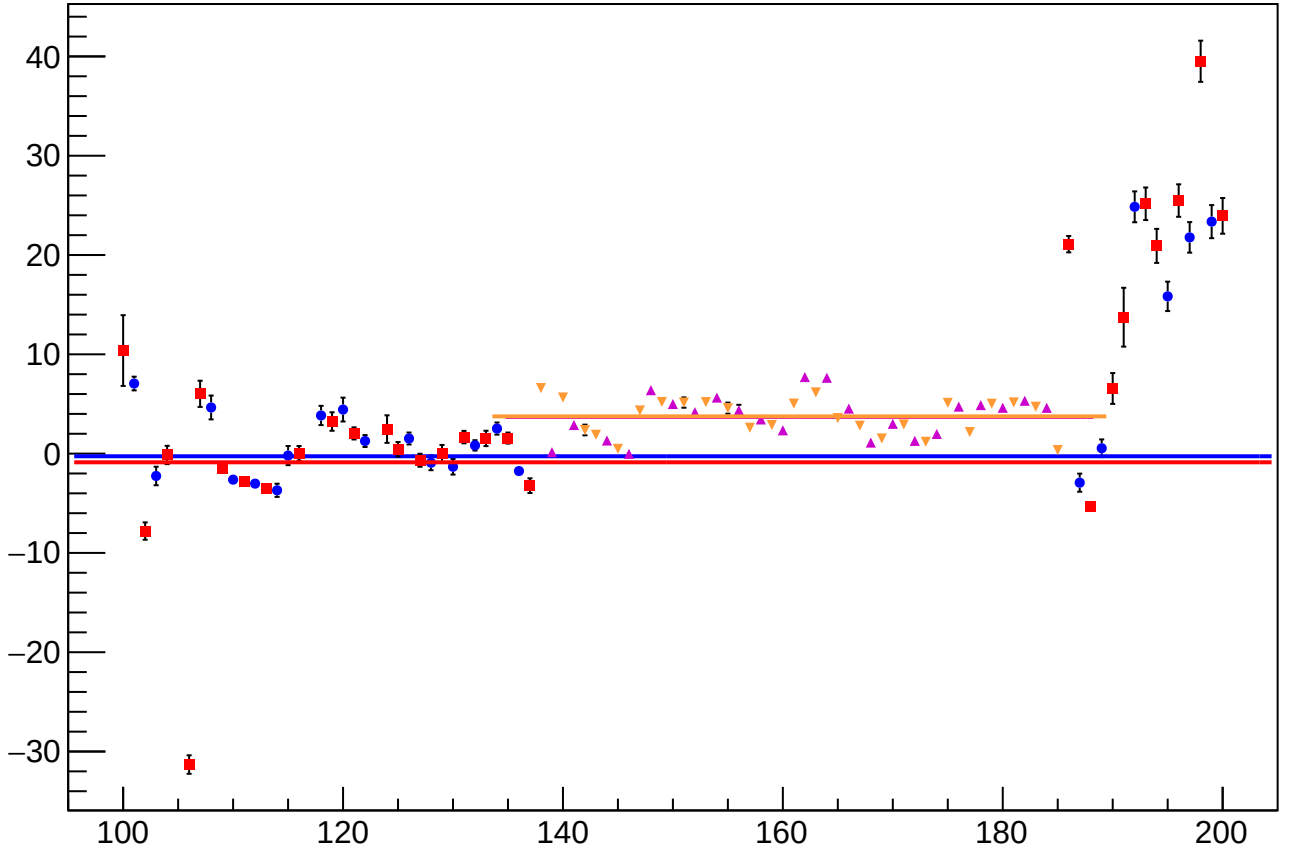
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2092.0/46

All: 0.142+/-0.002 χ^2/NDF: 4983.5/97

- sign 0.135+/-0.003 χ^2/NDF: 2877.7/50

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.266+/-0.132 χ^2/NDF: 1196.2/21

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.874+/-0.121 χ^2/NDF: 3477.7/27

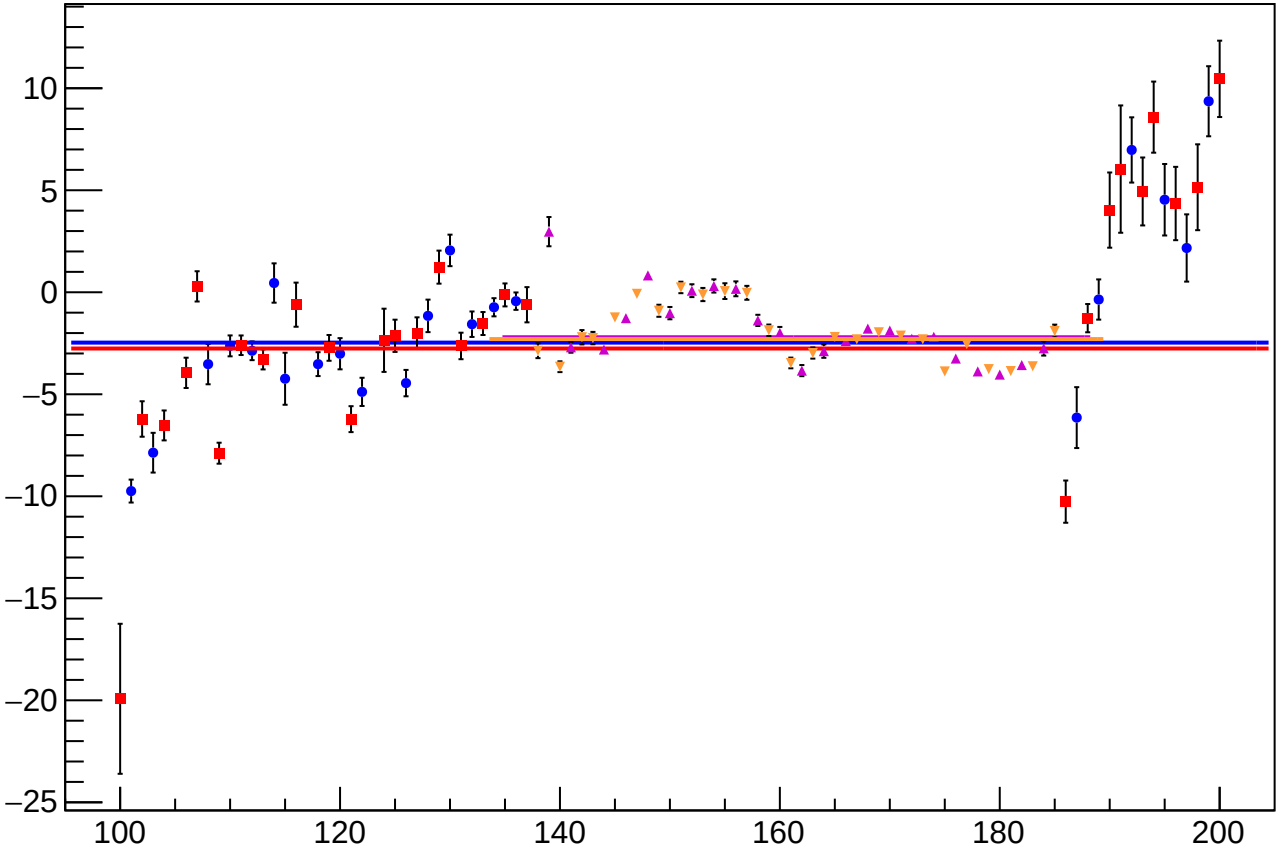
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.021+/-0.056 χ^2/NDF: 2768.0/46

All: 2.857+/-0.040 χ^2/NDF: 8330.0/97

- sign 2.691+/-0.056 χ^2/NDF: 5544.8/50

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.468+/-0.151 χ^2/NDF: 430.6/21

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.757+/-0.149 χ^2/NDF: 498.9/27

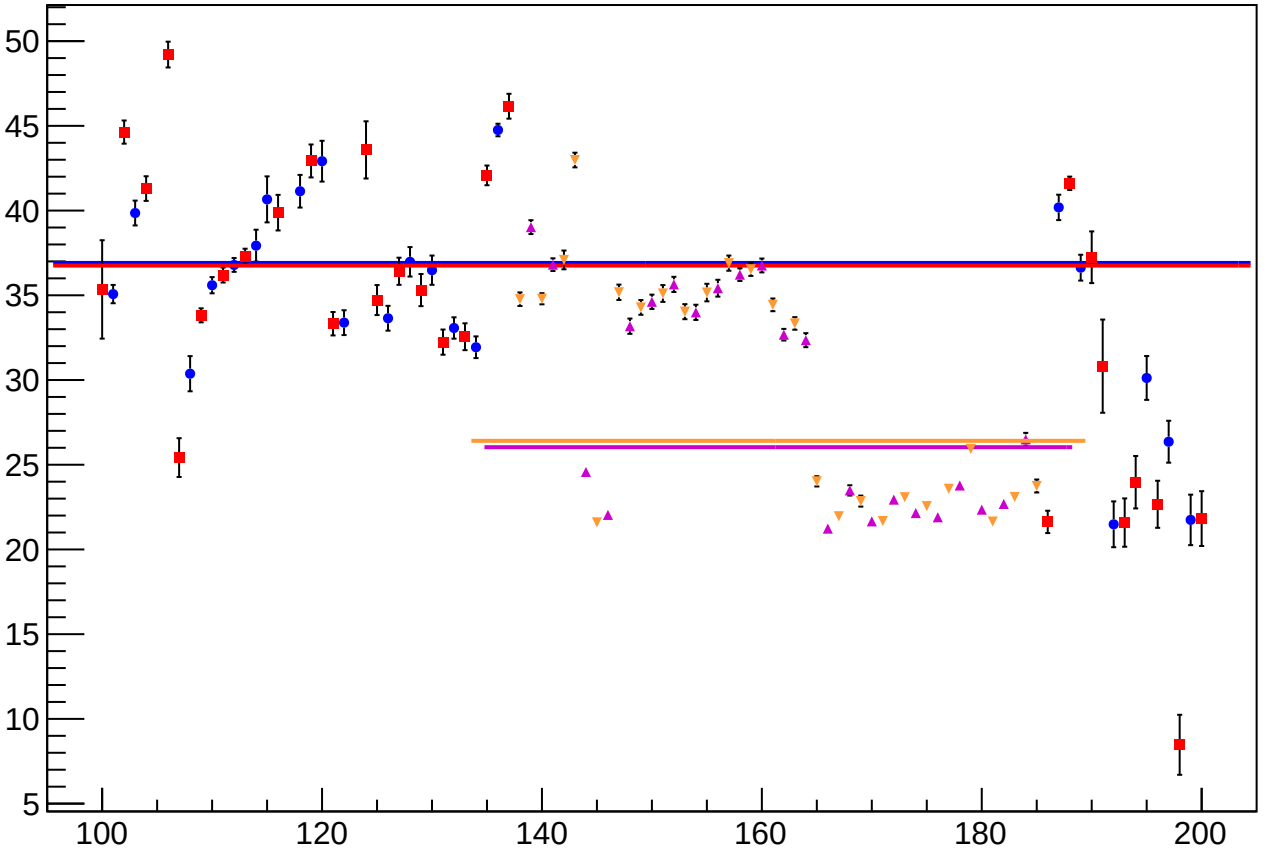
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.311+/-0.047 χ^2/NDF: 1063.3/46

All: -2.287+/-0.034 χ^2/NDF: 2299.7/97

- sign -2.262+/-0.048 χ^2/NDF: 1235.9/50

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.910+/-0.150 χ^2/NDF: 1071.5/21

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.753+/-0.140 χ^2/NDF: 2307.7/27

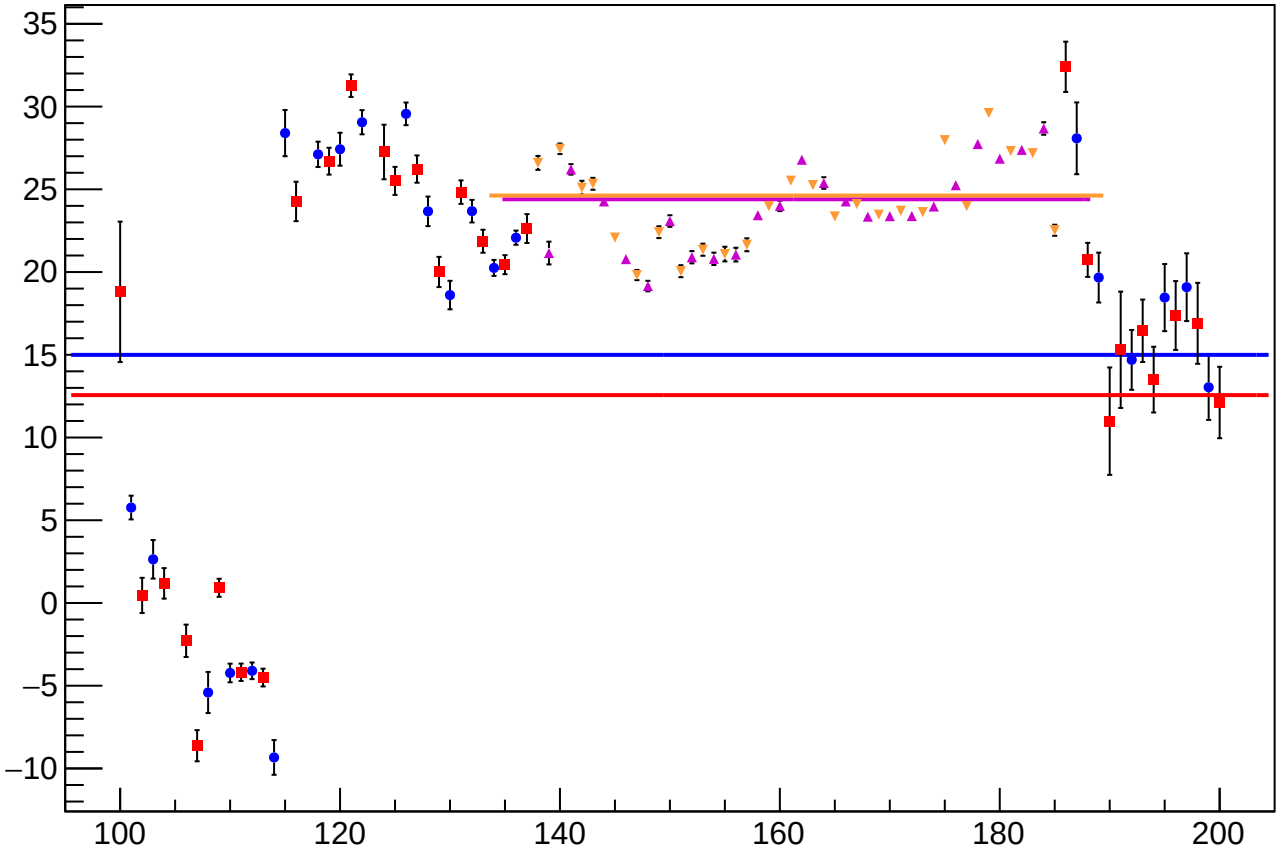
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.955+/-0.058 χ^2/NDF: 14473.4/46

All: 27.915+/-0.041 χ^2/NDF: 29451.7/97

- sign 27.874+/-0.058 χ^2/NDF: 14977.3/50

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.995+/-0.170 χ^2/NDF: 5741.4/21

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

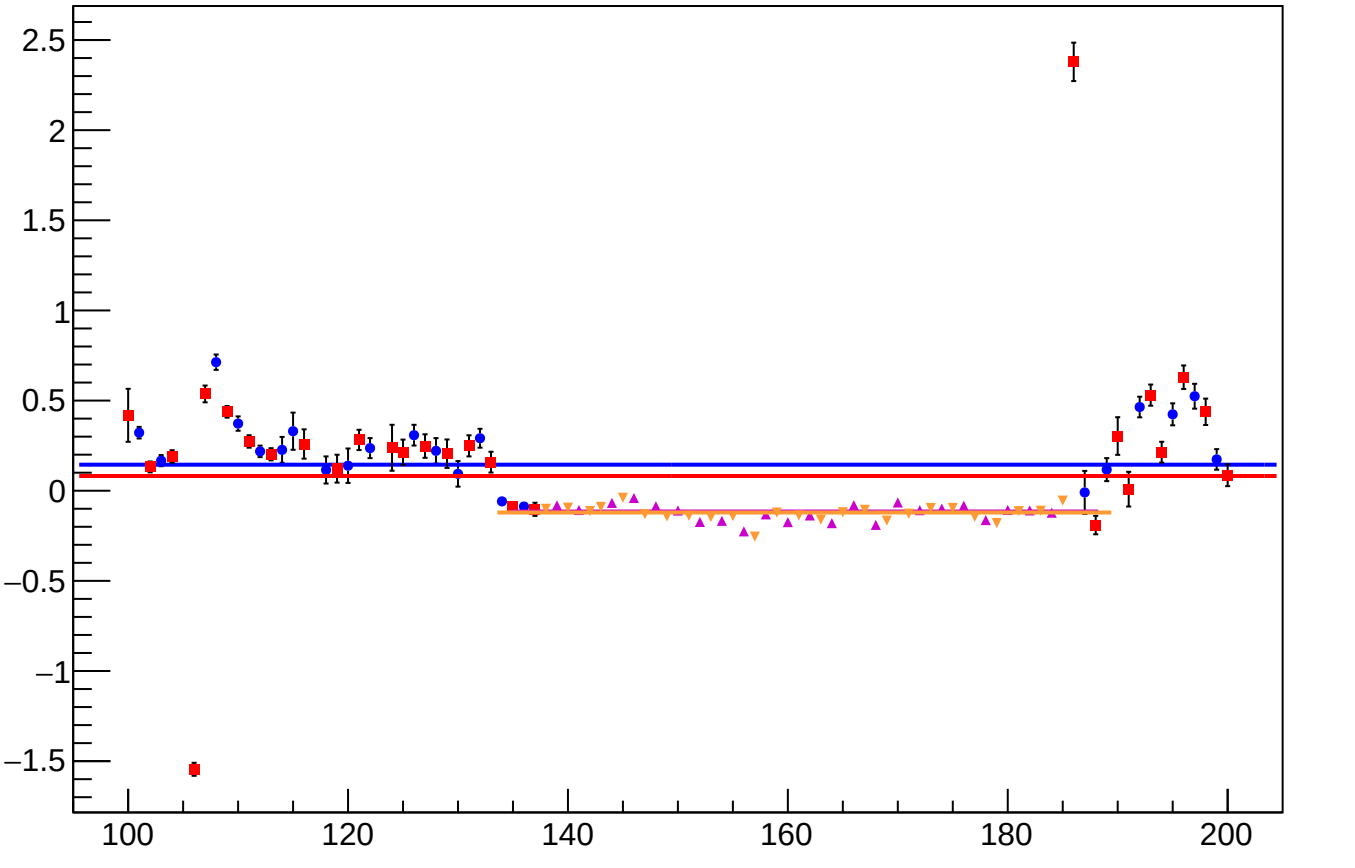
Right Out: 12.563+/-0.170 χ^2/NDF: 6364.6/27

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.703+/-0.052 χ^2/NDF: 10607.5/46

All: 23.466+/-0.037 χ^2/NDF: 23103.1/97

- sign 23.219+/-0.054 χ^2/NDF: 12454.1/50



Right In: 0.144+/-0.009 χ^2/NDF: 610.0/21

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

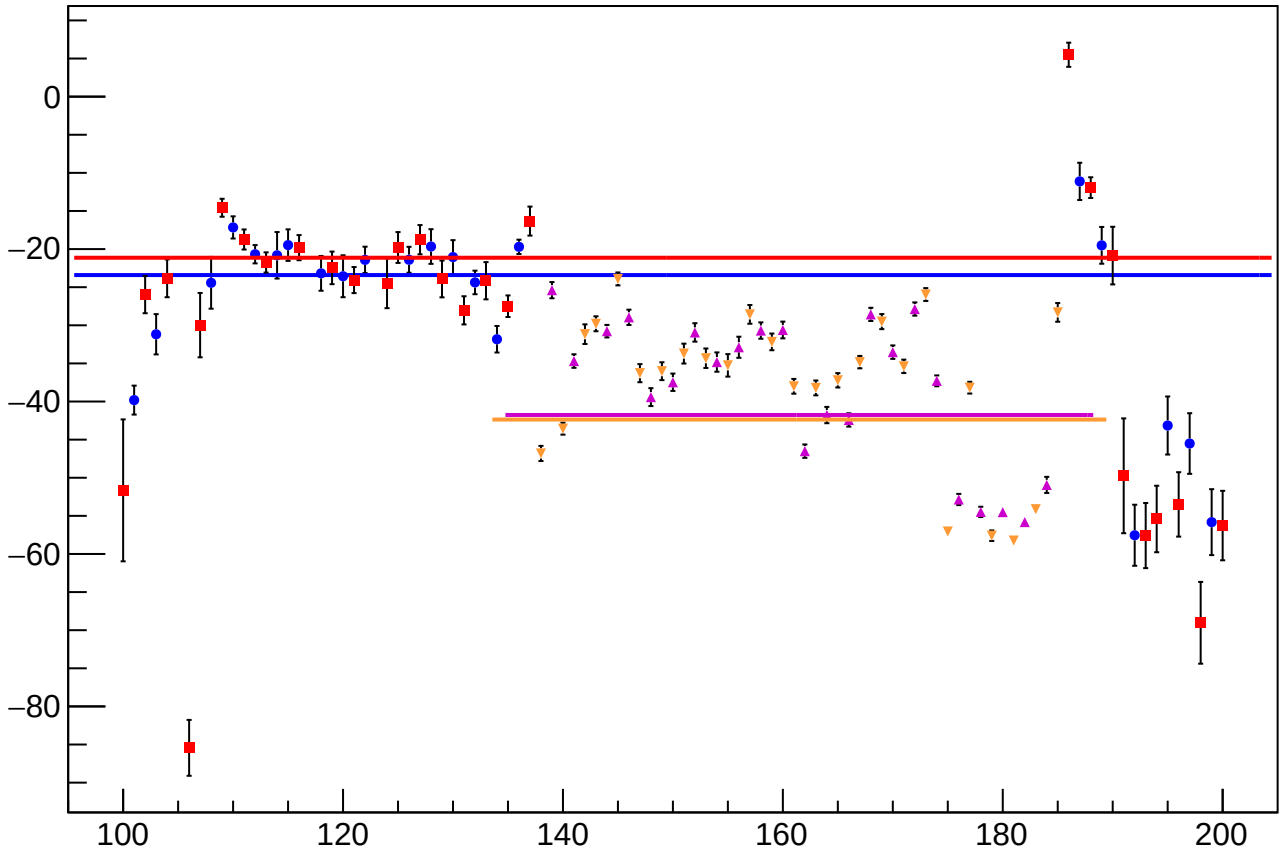
Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/27

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.102+/-0.002 χ^2/NDF: 1702.1/46

All: -0.101+/-0.002 χ^2/NDF: 5532.9/97

- sign -0.101+/-0.002 χ^2/NDF: 3830.7/50



Right In: -23.409+/-0.412 χ^2/NDF: 371.8/21

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.136+/-0.391 χ^2/NDF: 1087.2/27

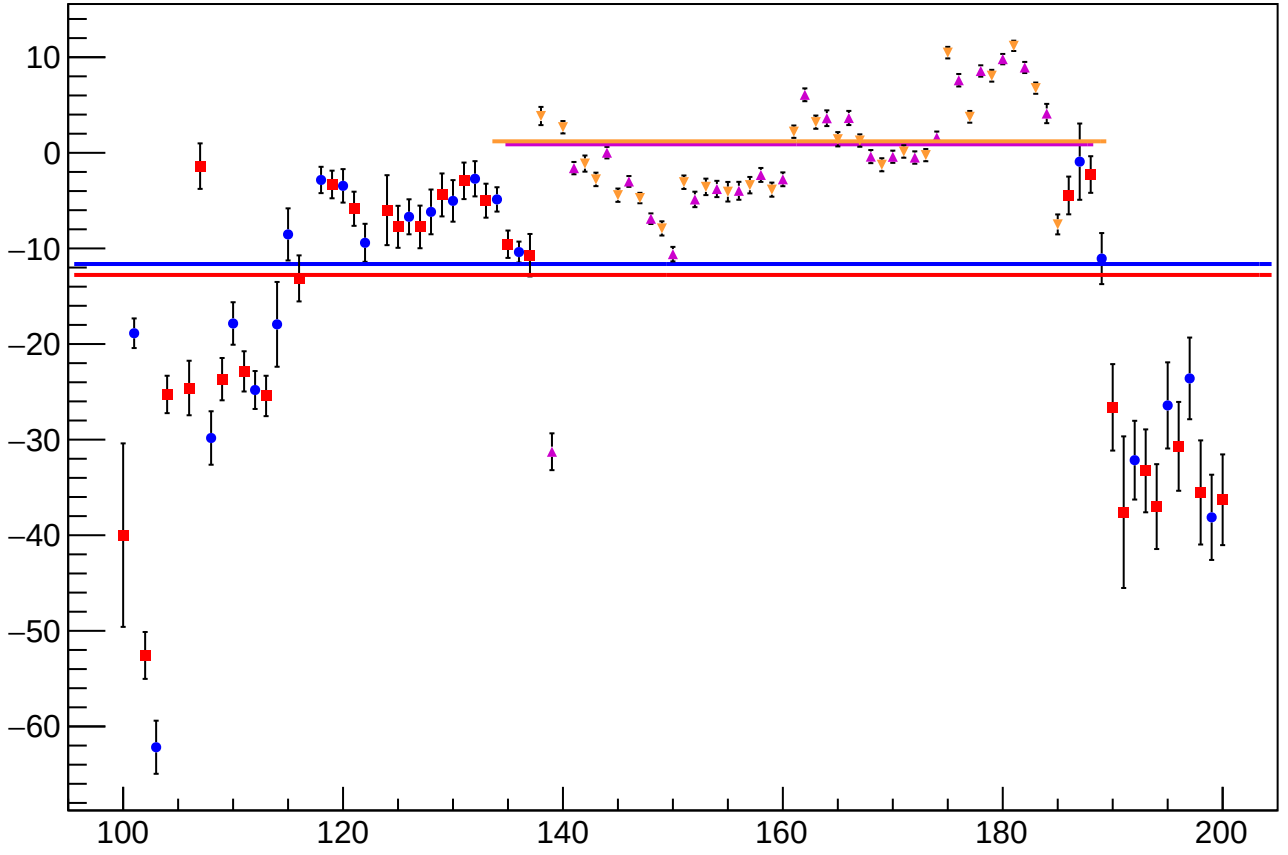
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

\+ sign -39.466+/-0.161 χ^2/NDF: 6639.9/46

All: -38.795+/-0.115 χ^2/NDF: 13514.2/97

\- sign -38.094+/-0.165 χ^2/NDF: 6838.9/50

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.630+/-0.435 χ^2/NDF: 675.4/21

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

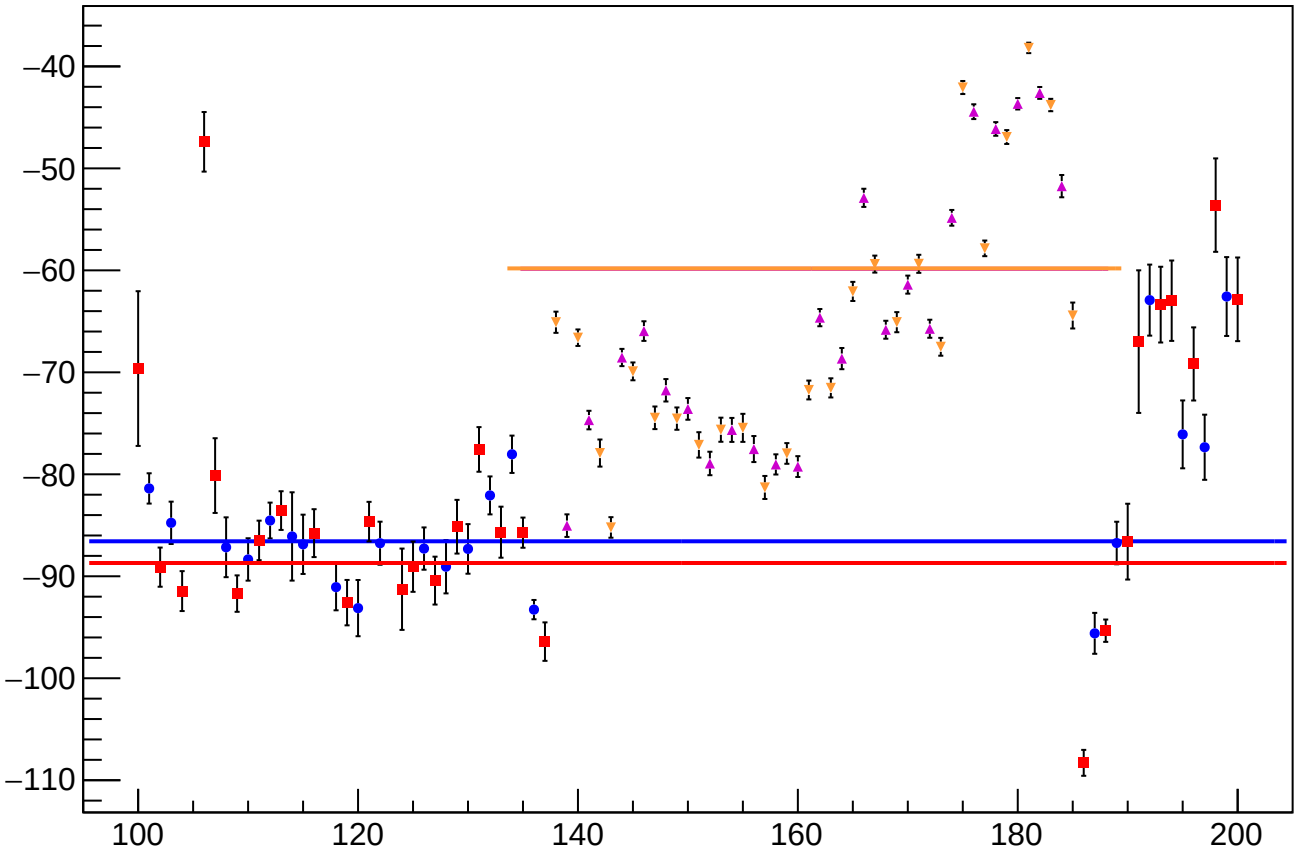
Right Out: -12.773+/-0.441 χ^2/NDF: 748.6/27

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.028+/-0.132 χ^2/NDF: 2929.3/46

All: -0.184+/-0.095 χ^2/NDF: 6315.6/97

- sign -0.410+/-0.136 χ^2/NDF: 3381.0/50



Right In: -86.569+/-0.441 χ^2/NDF: 226.6/21

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

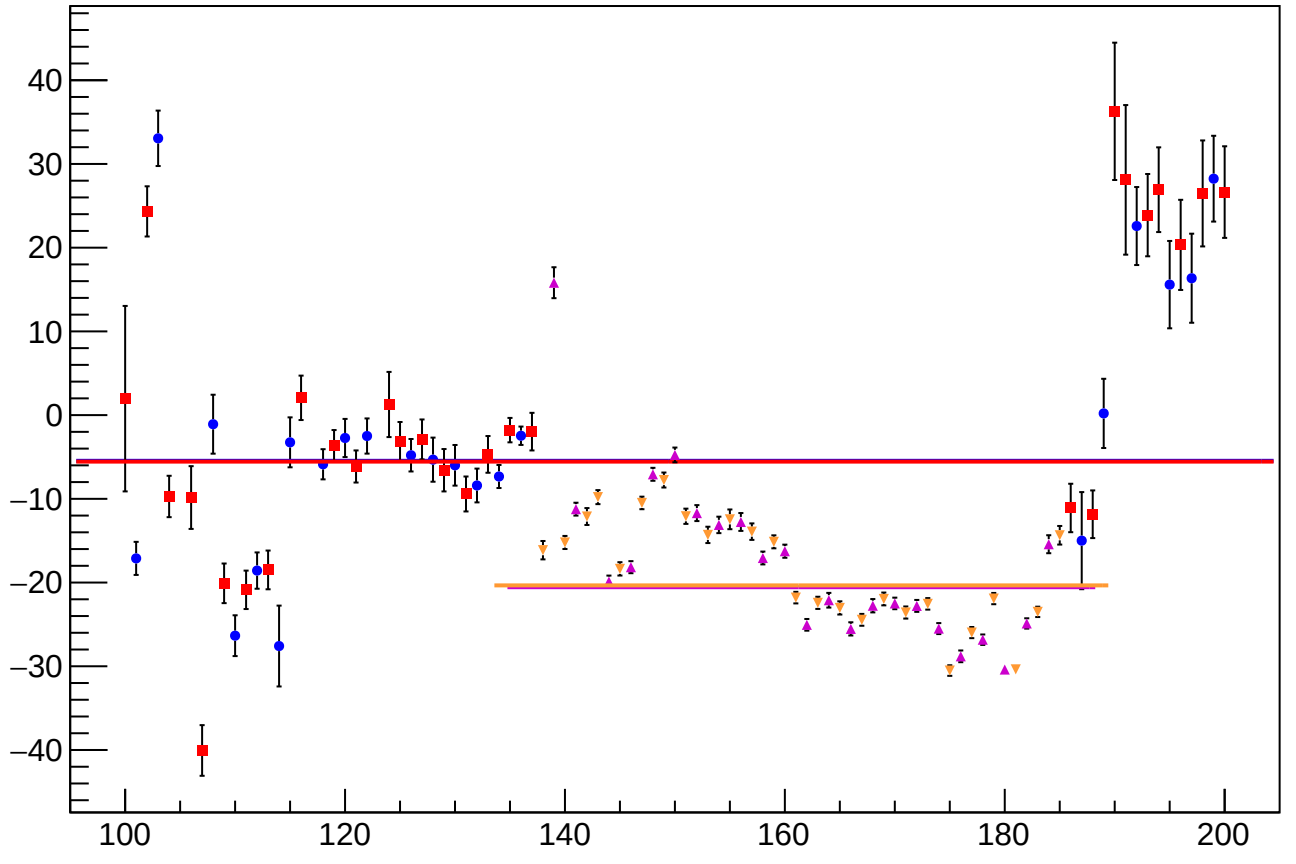
Right Out: -88.698+/-0.416 χ^2/NDF: 786.7/27

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.463+/-0.163 χ^2/NDF: 10053.4/46

All: -63.941+/-0.116 χ^2/NDF: 20433.3/97

- sign -64.438+/-0.166 χ^2/NDF: 10362.3/50



Right In: -5.460+/-0.493 χ^2/NDF: 435.6/21

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.553+/-0.510 χ^2/NDF: 584.4/27

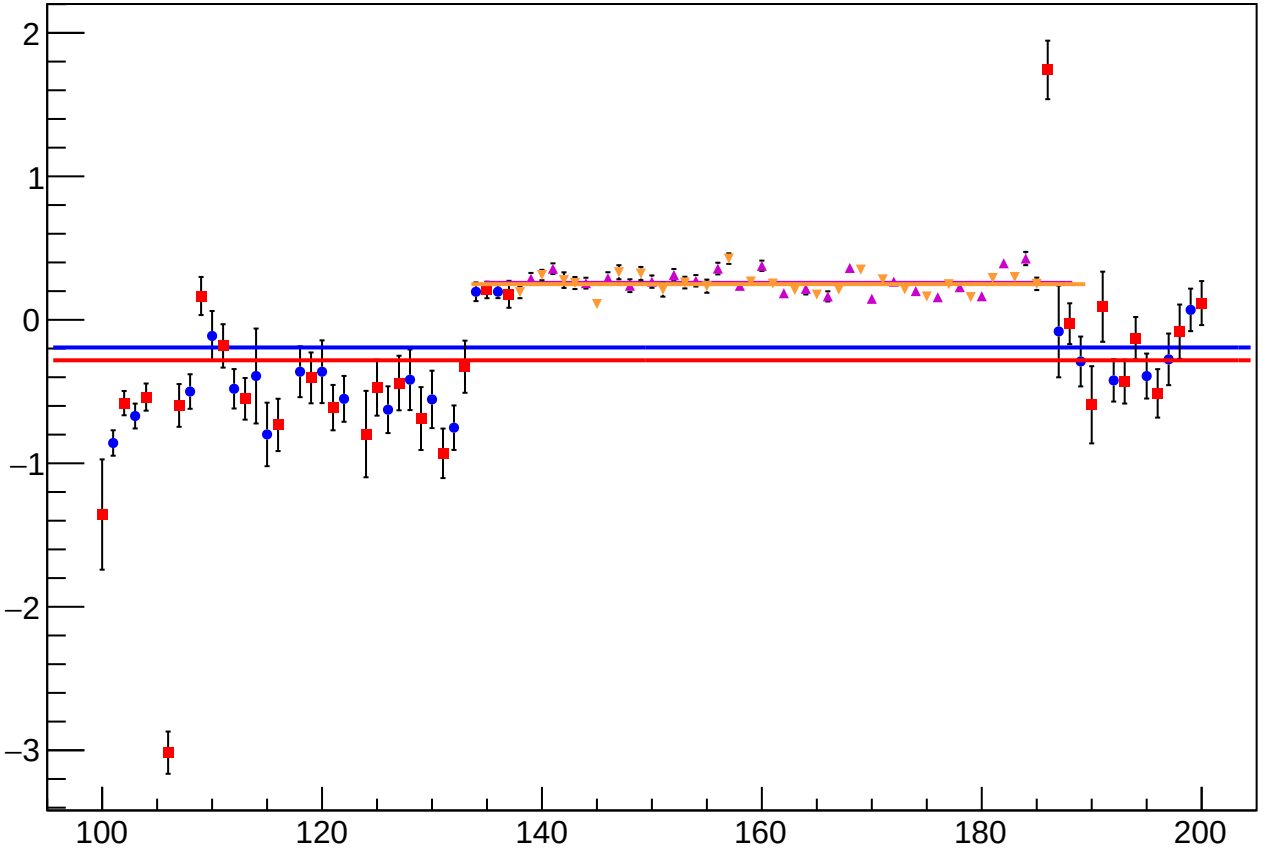
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.005+/-0.147 χ^2/NDF: 2967.2/46

All: -19.107+/-0.106 χ^2/NDF: 6535.8/97

- sign -19.215+/-0.152 χ^2/NDF: 3567.7/50

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.193+/-0.025 χ^2/NDF: 255.2/21

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.282+/-0.026 χ^2/NDF: 638.9/27

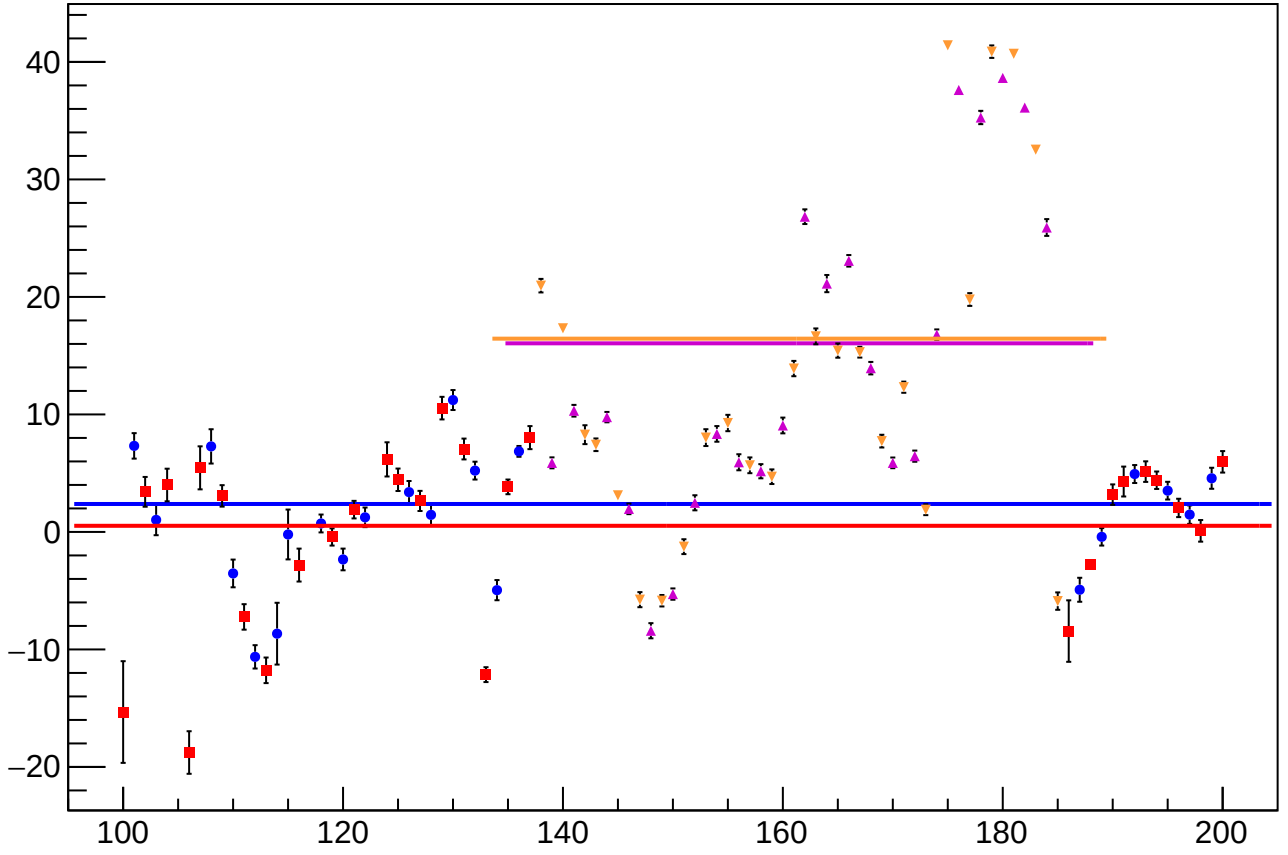
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.217+/-0.007 χ^2/NDF: 637.8/46

All: 0.219+/-0.005 χ^2/NDF: 1807.5/97

- sign 0.220+/-0.007 χ^2/NDF: 1169.6/50

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.379+/-0.186 χ^2/NDF: 660.2/21

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

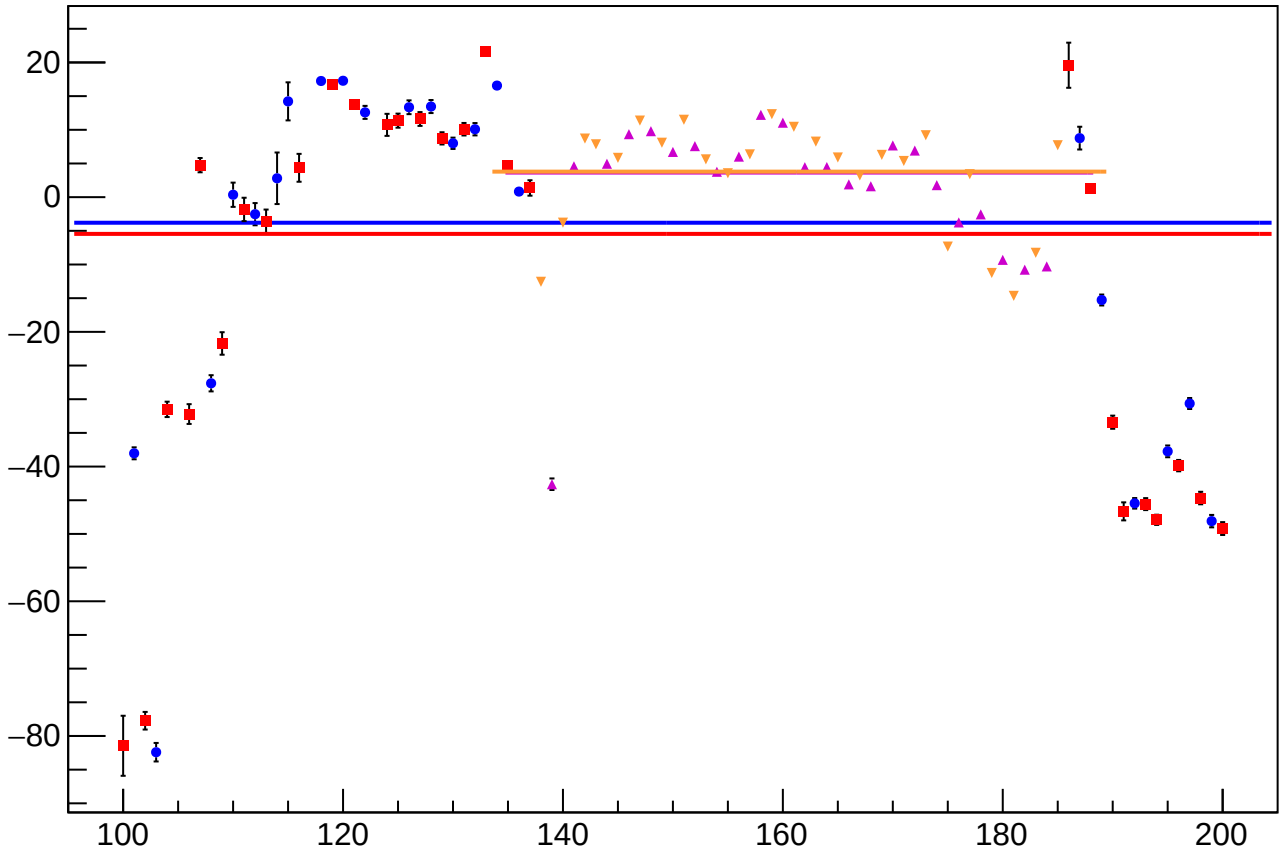
Right Out: 0.522+/-0.165 χ^2/NDF: 1231.1/27

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.086+/-0.091 χ^2/NDF: 26434.1/46

All: 12.265+/-0.064 χ^2/NDF: 51657.7/97

- sign 11.456+/-0.090 χ^2/NDF: 25060.9/50



Right In: -3.797+/-0.182 χ^2/NDF: 18979.6/21

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -5.454+/-0.170 χ^2/NDF: 24894.6/27

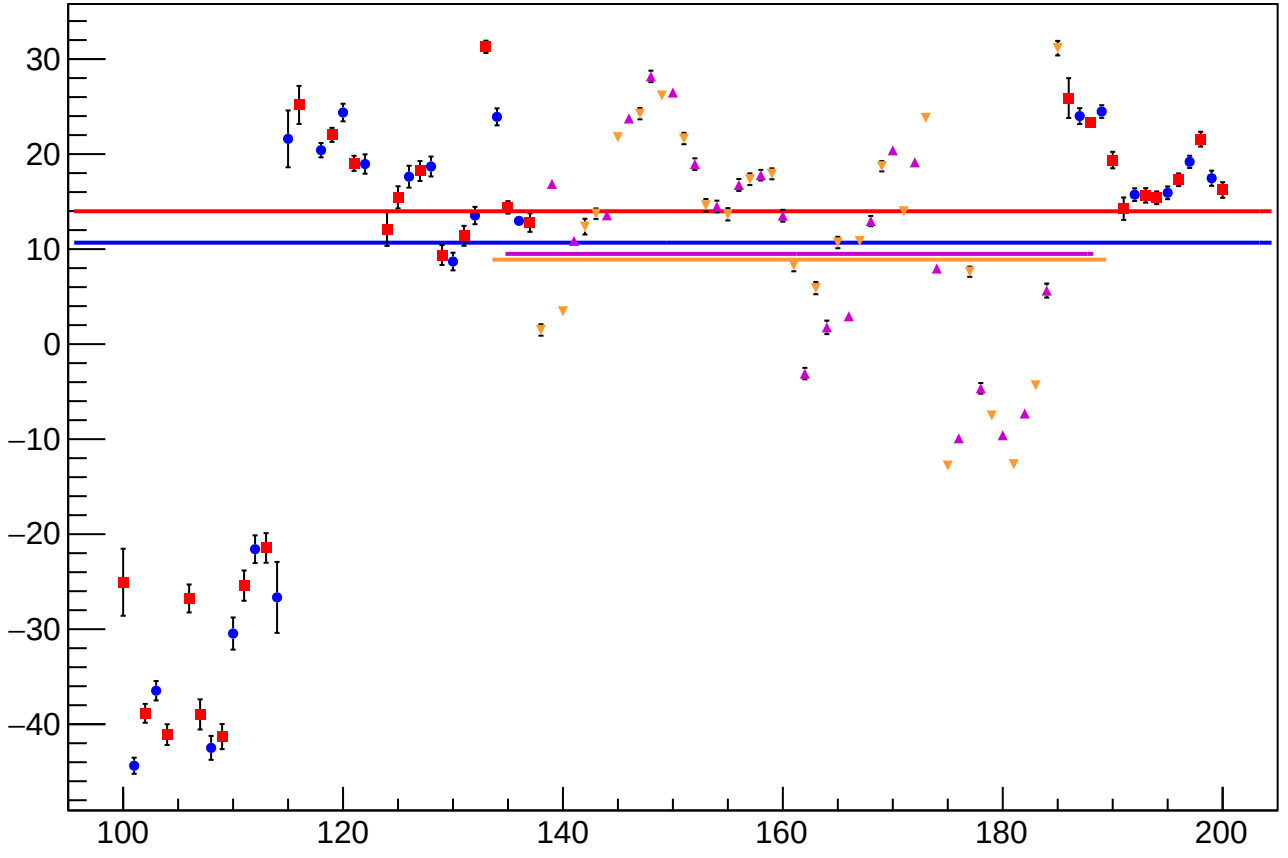
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 2.559+/-0.073 χ^2/NDF: 29536.6/46

All: 2.234+/-0.052 χ^2/NDF: 65099.2/97

- sign 1.897+/-0.075 χ^2/NDF: 35522.5/50

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.677+/-0.183 χ^2/NDF: 11158.6/21

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.983+/-0.159 χ^2/NDF: 12340.6/27

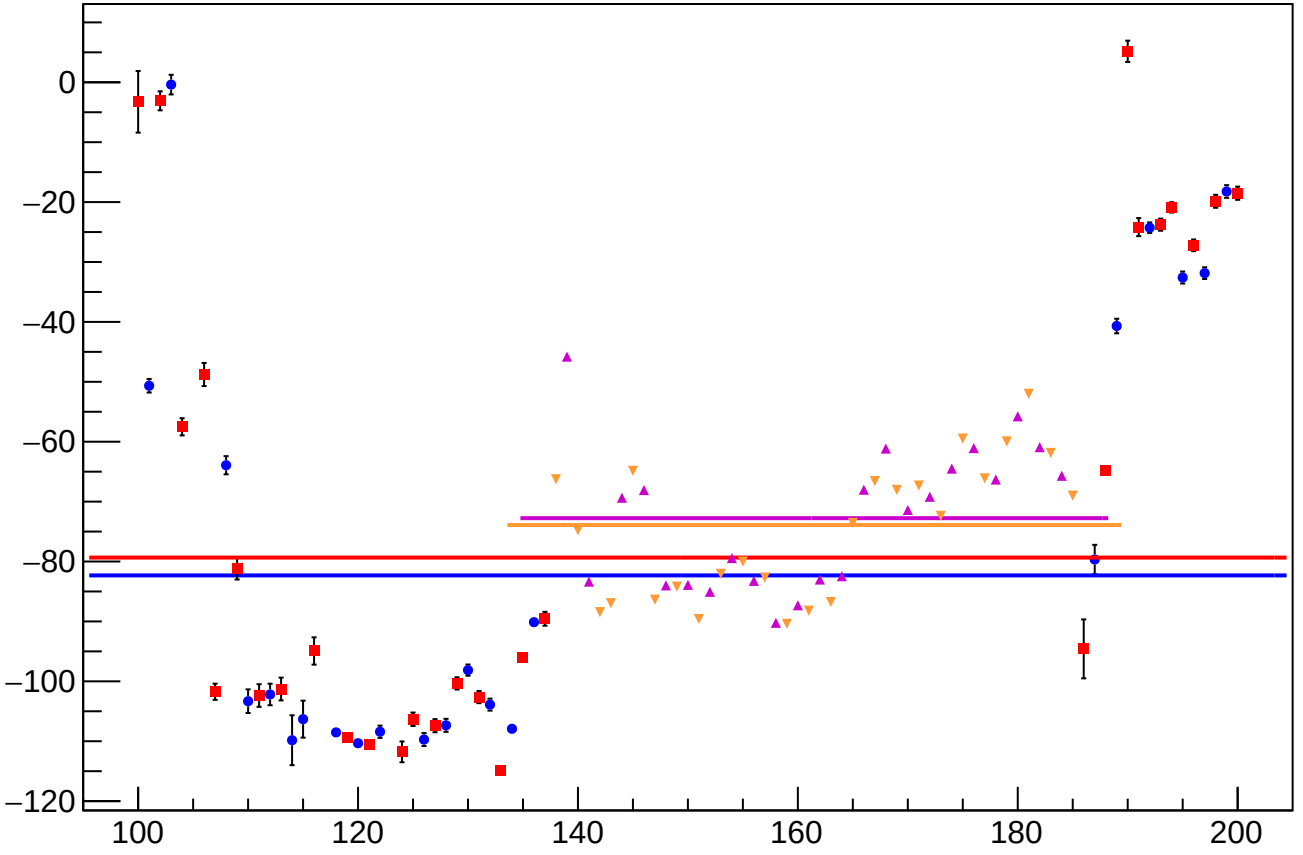
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.326+/-0.090 χ^2/NDF: 26658.8/46

All: 10.125+/-0.063 χ^2/NDF: 52744.2/97

- sign 10.892+/-0.088 χ^2/NDF: 25931.7/50

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -82.320+/-0.212 χ^2/NDF: 25343.6/21

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -79.344+/-0.201 χ^2/NDF: 35302.7/27

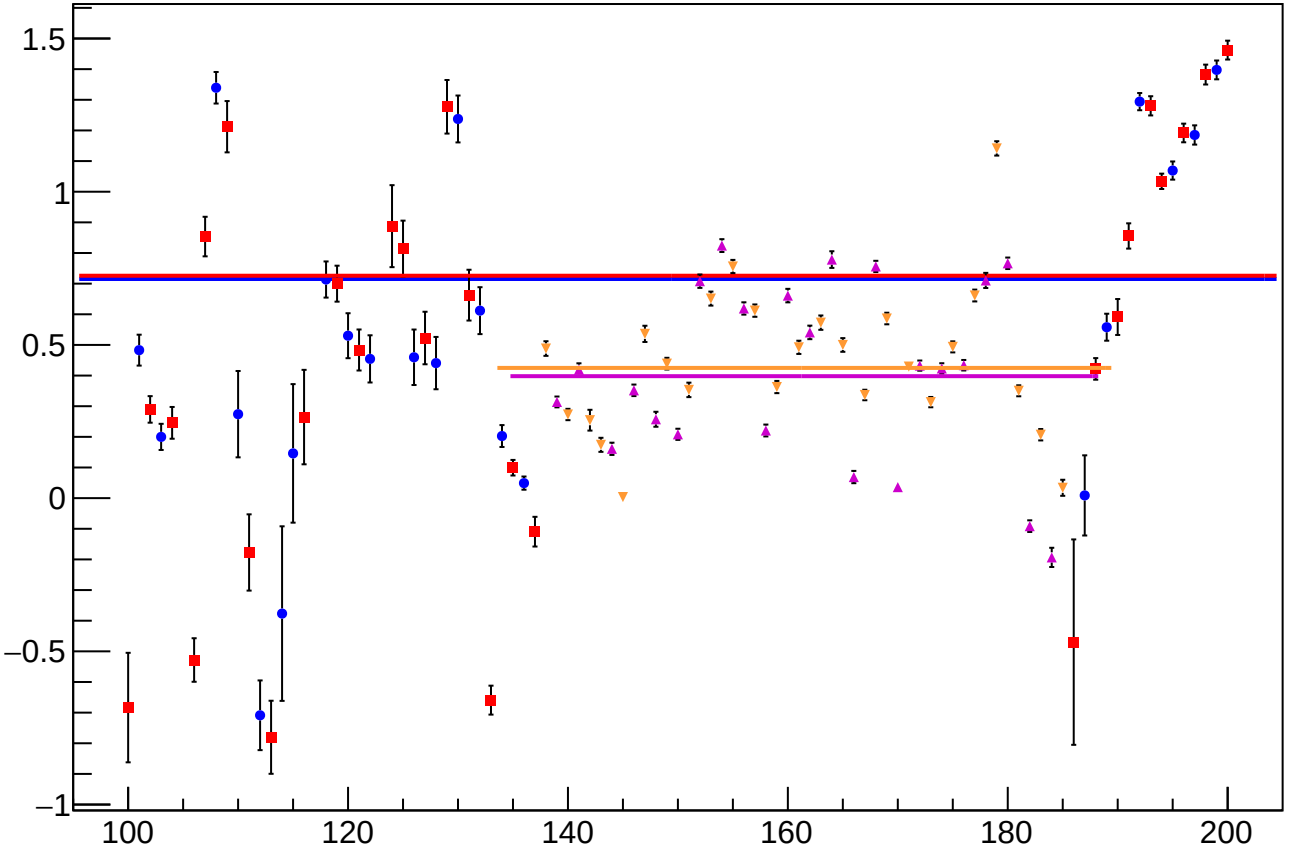
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.198+/-0.083 χ^2/NDF: 42238.1/46

All: -74.573+/-0.059 χ^2/NDF: 91147.5/97

- sign -73.927+/-0.085 χ^2/NDF: 48794.8/50

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.715+/-0.010 χ^2/NDF: 3078.7/21

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.726+/-0.009 χ^2/NDF: 4429.6/27

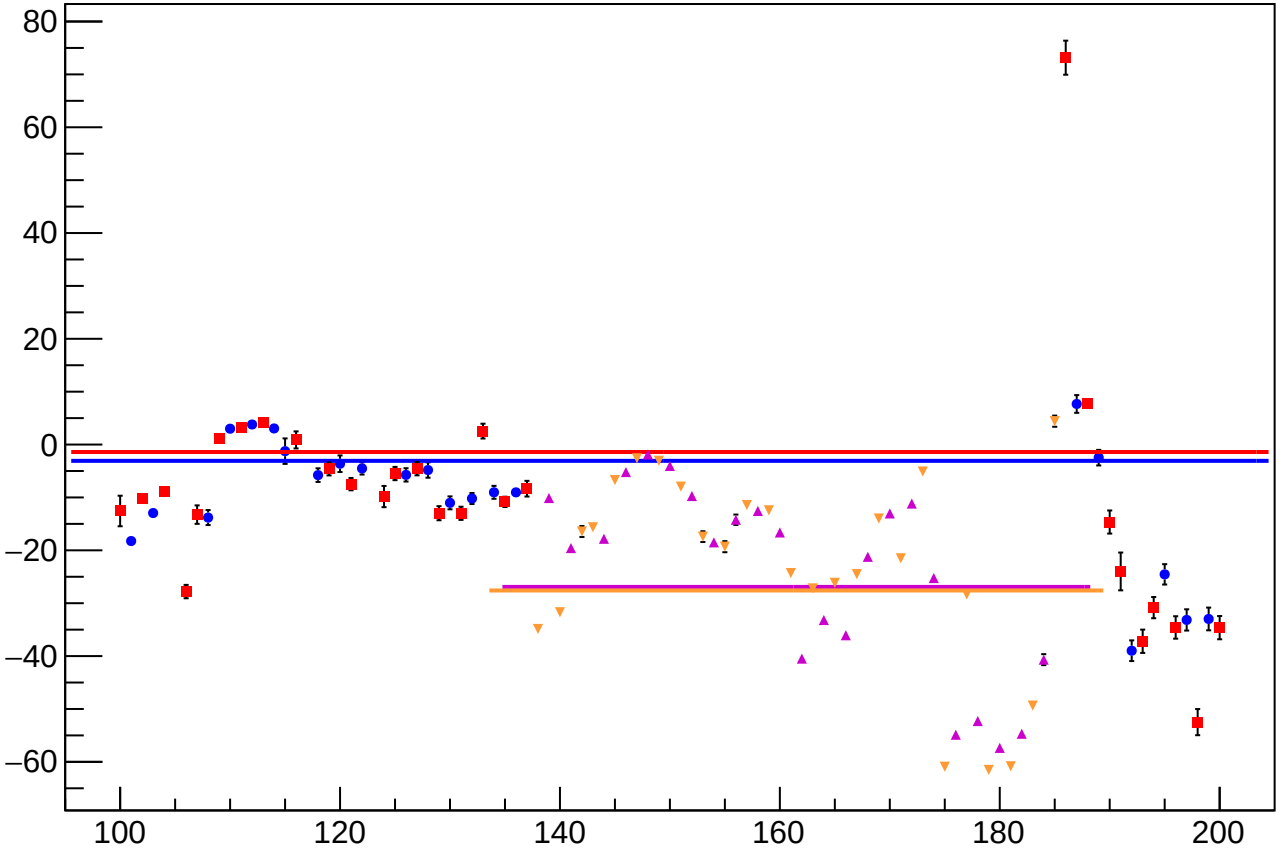
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.468+/-0.004 χ^2/NDF: 6881.8/46

All: 0.462+/-0.003 χ^2/NDF: 16703.5/97

- sign 0.456+/-0.004 χ^2/NDF: 9816.1/50

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.080+/-0.186 χ^2/NDF: 2433.8/21

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.407+/-0.163 χ^2/NDF: 3611.0/27

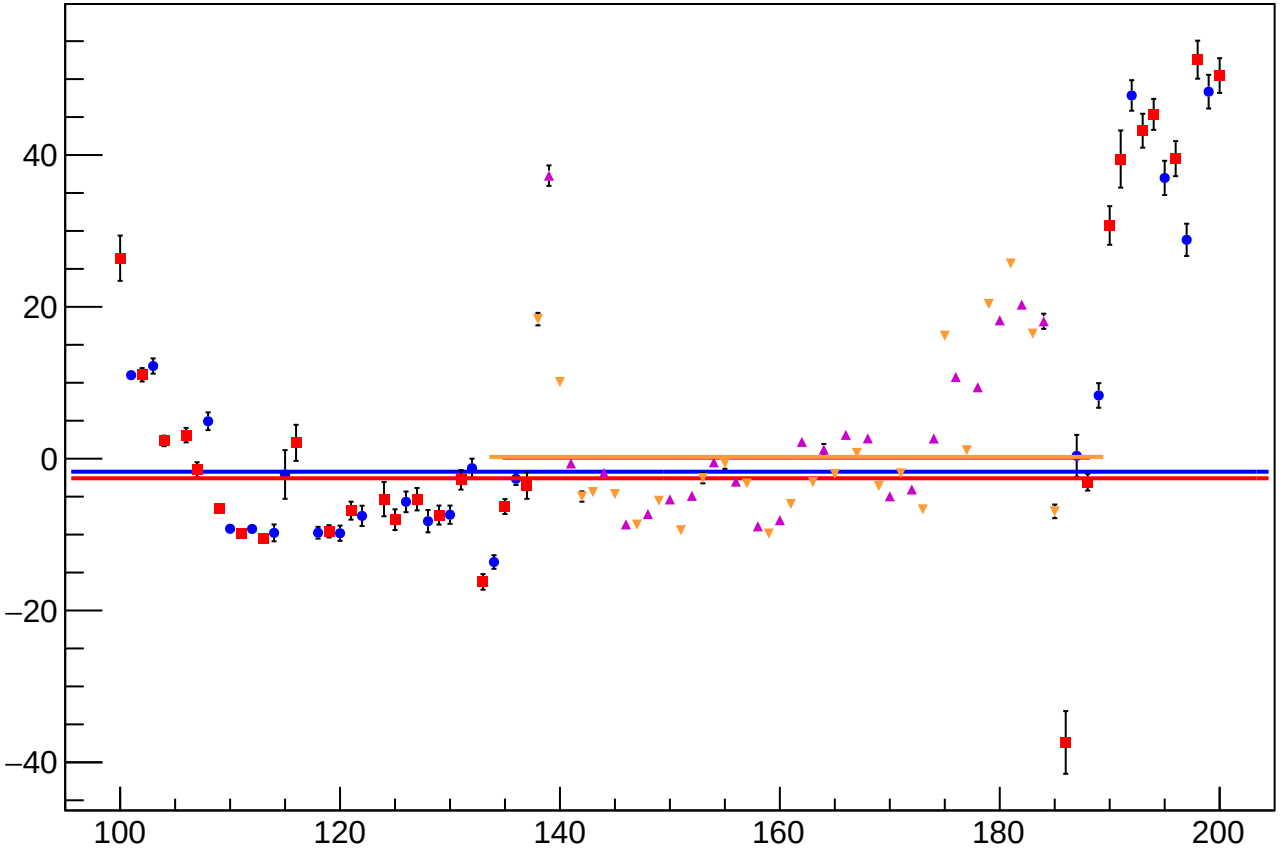
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.375+/-0.114 χ^2/NDF: 33047.2/46

All: -16.784+/-0.079 χ^2/NDF: 65884.0/97

- sign -15.300+/-0.110 χ^2/NDF: 32460.4/50

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -1.717+/-0.218 χ^2/NDF: 3168.2/21

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -2.584+/-0.209 χ^2/NDF: 3809.2/27

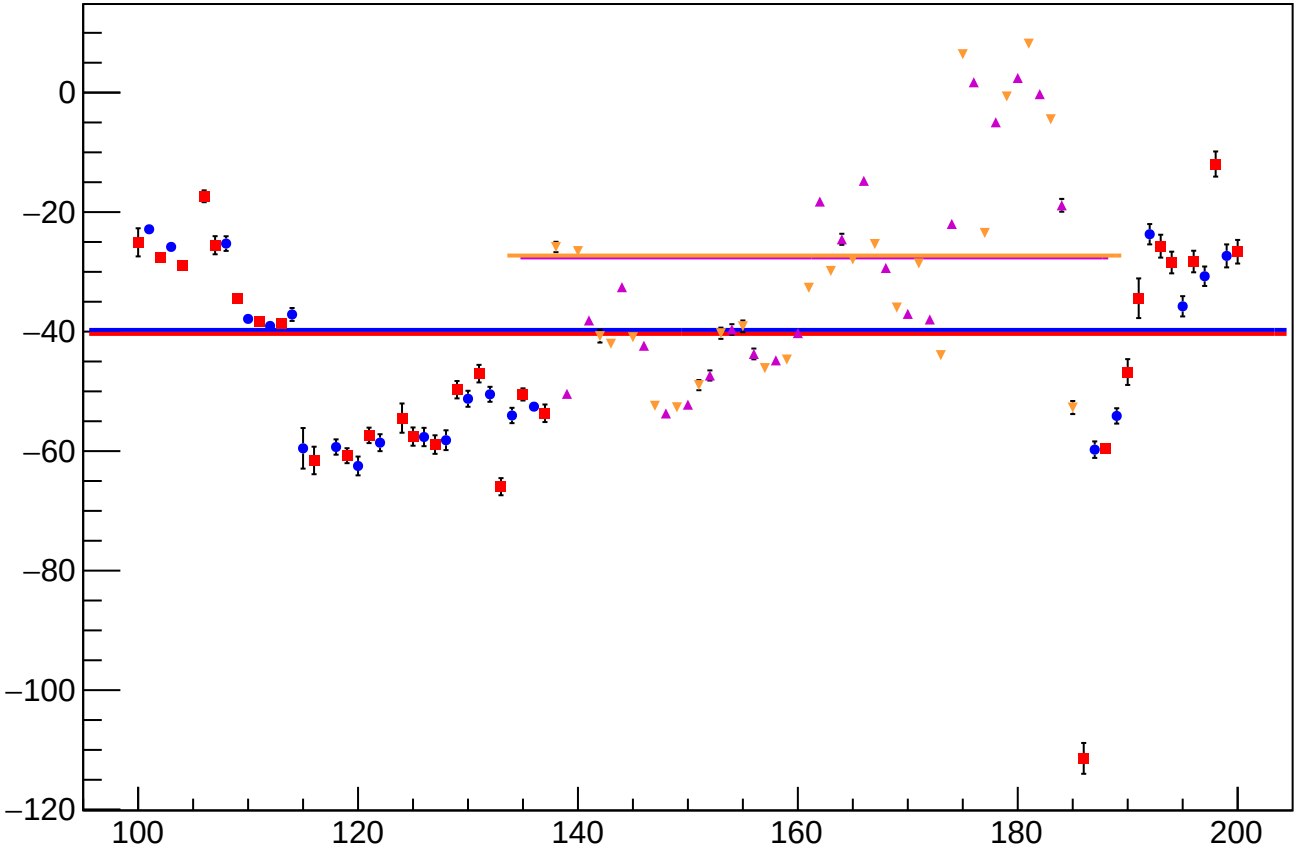
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.160+/-0.098 χ^2/NDF: 11267.8/46

All: -0.325+/-0.070 χ^2/NDF: 21050.4/97

- sign -0.497+/-0.100 χ^2/NDF: 9776.8/50

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.715+/-0.212 χ^2/NDF: 3462.1/21

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.382+/-0.194 χ^2/NDF: 4937.8/27

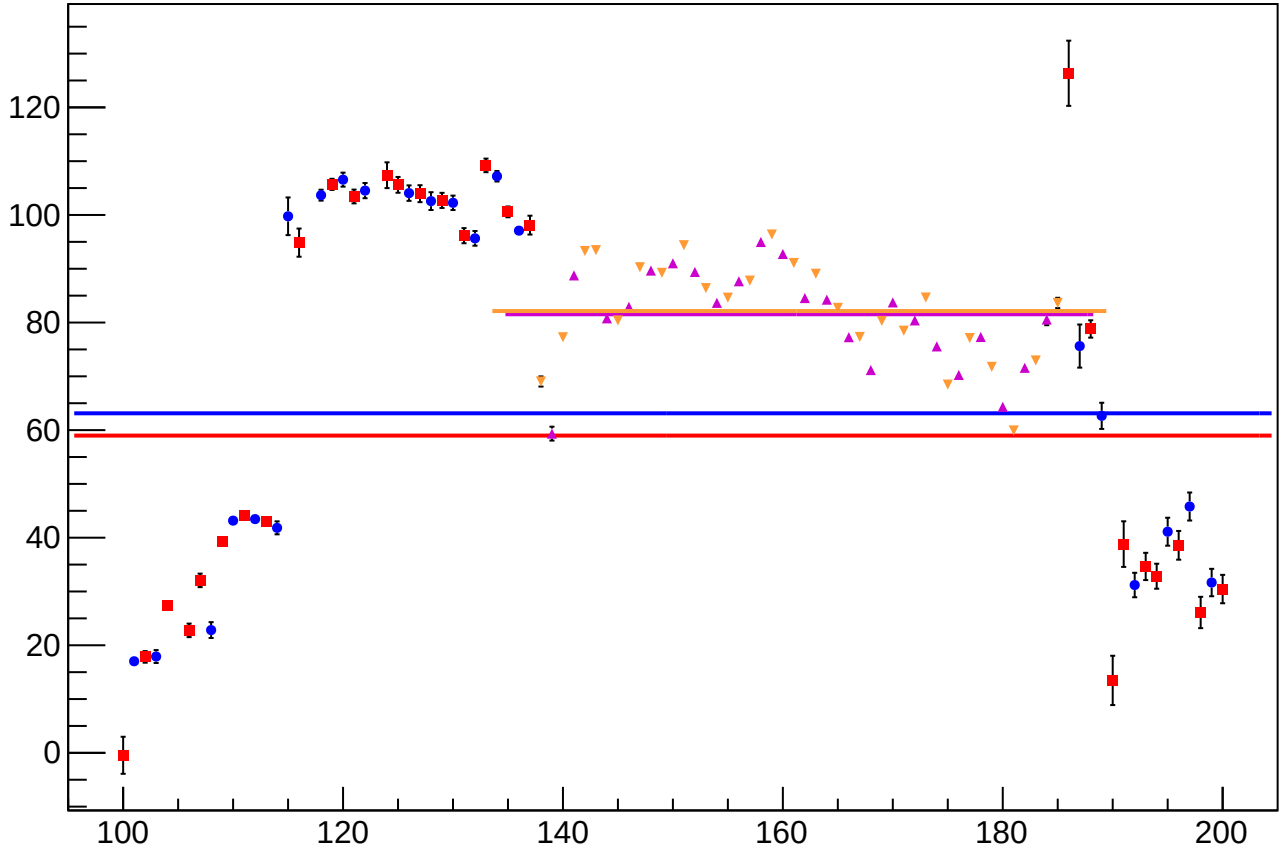
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.183+/-0.119 χ^2/NDF: 24340.4/46

All: -31.746+/-0.084 χ^2/NDF: 47717.1/97

- sign -32.296+/-0.118 χ^2/NDF: 23332.6/50

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 63.126+/-0.250 χ^2/NDF: 19089.0/21

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.982+/-0.240 χ^2/NDF: 18359.2/27

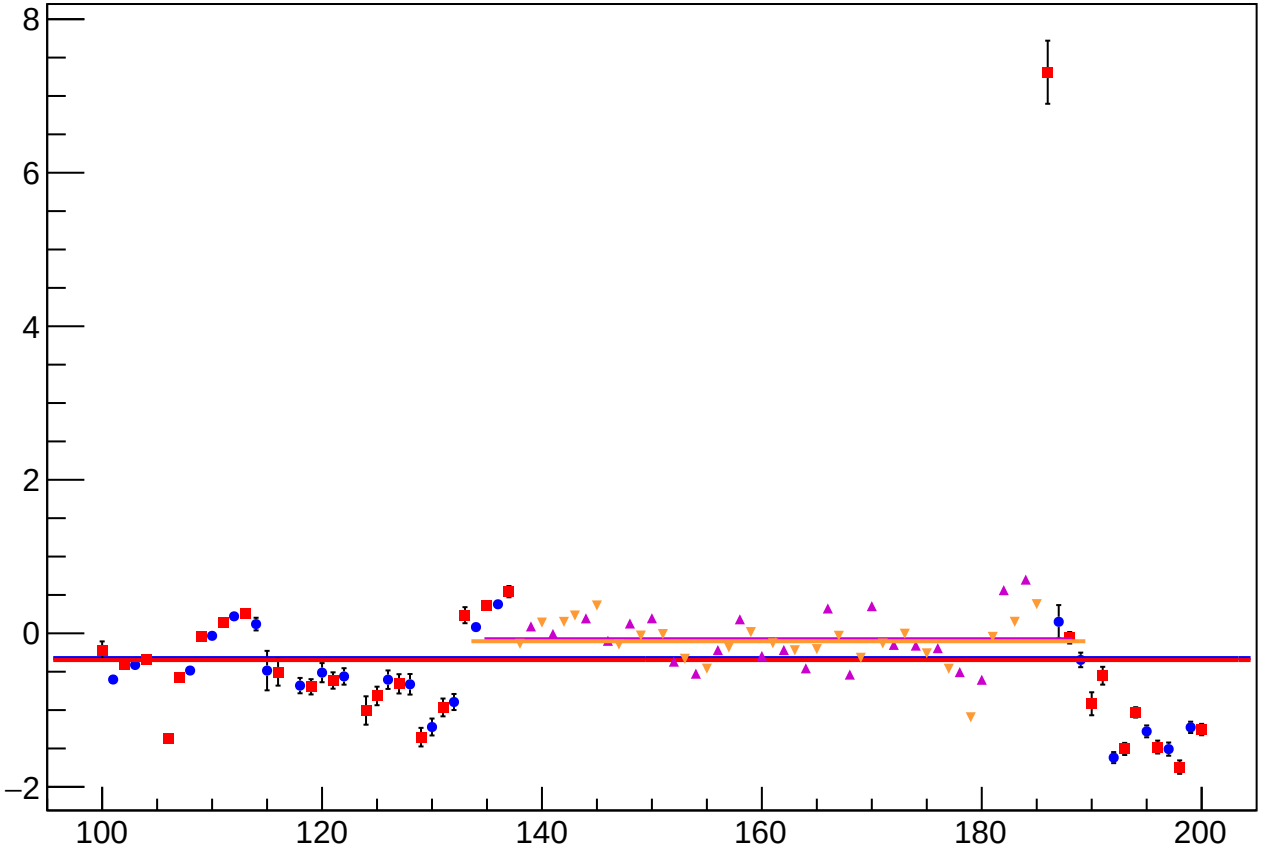
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.352+/-0.112 χ^2/NDF: 29082.9/46

All: 77.428+/-0.080 χ^2/NDF: 58497.0/97

- sign 76.473+/-0.114 χ^2/NDF: 29274.8/50

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.322+/-0.013 χ^2/NDF: 1835.6/21

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.348+/-0.012 χ^2/NDF: 2757.7/27

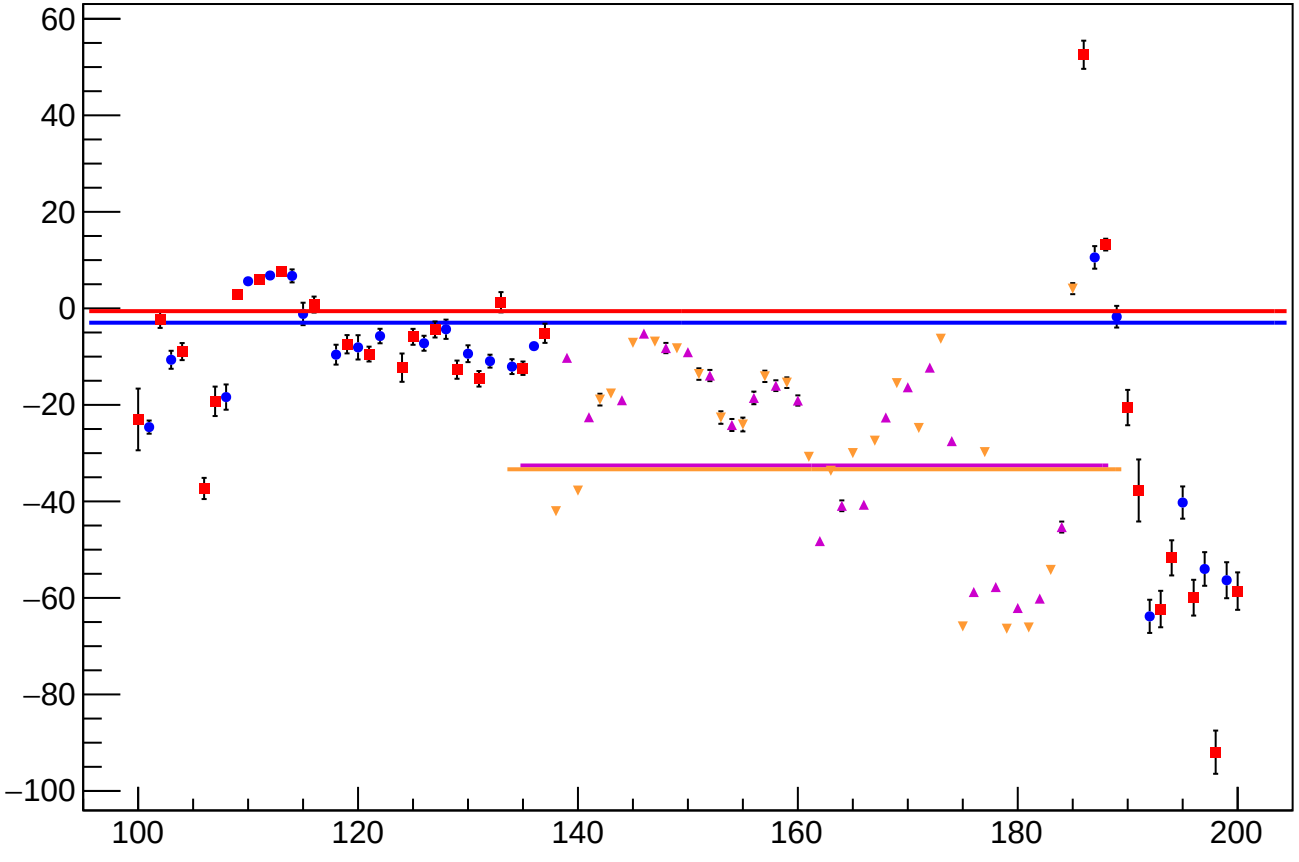
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.140+/-0.005 χ^2/NDF: 4498.5/46

All: -0.134+/-0.004 χ^2/NDF: 11004.4/97

- sign -0.128+/-0.005 χ^2/NDF: 6503.5/50

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -2.971+/-0.298 χ^2/NDF: 1809.0/21

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.576+/-0.269 χ^2/NDF: 2819.5/27

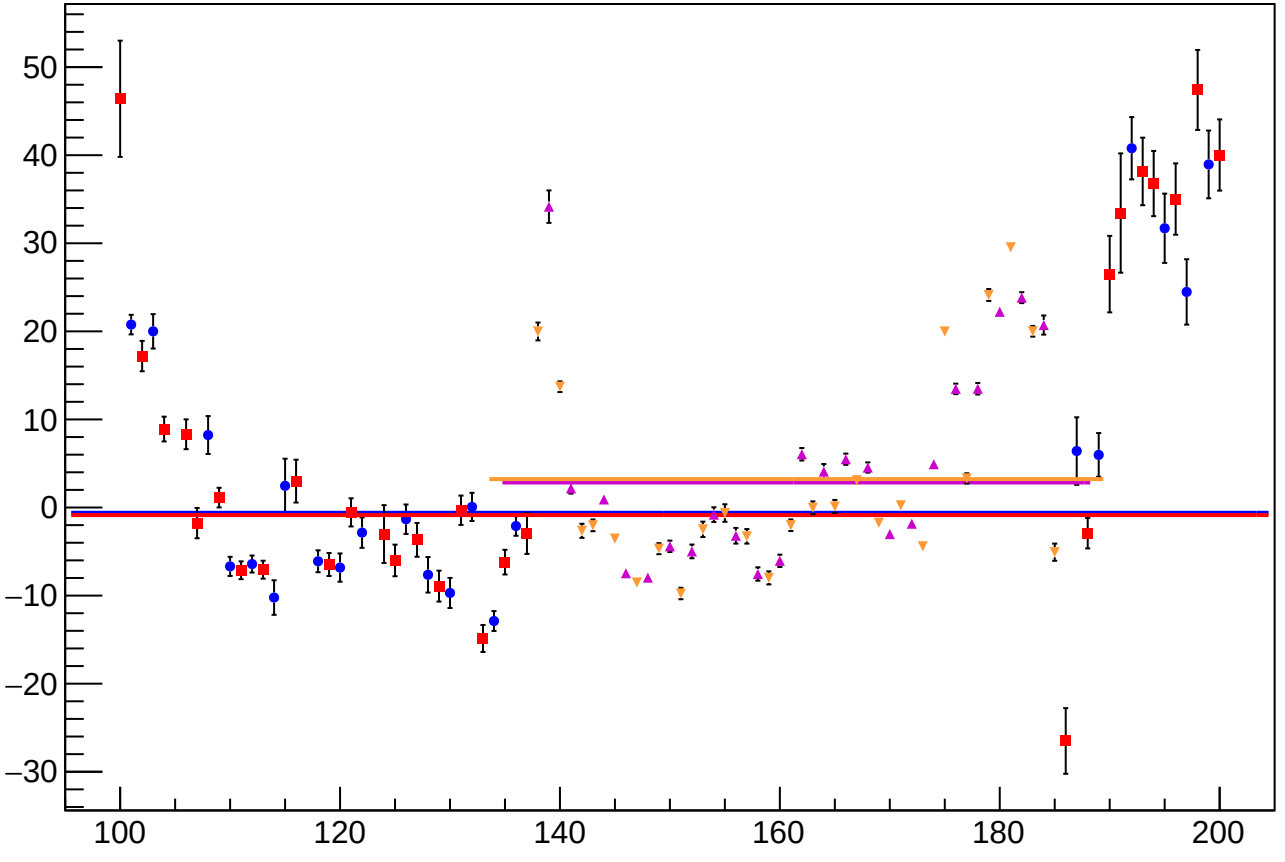
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.252+/-0.144 χ^2/NDF: 27751.1/46

All: -24.859+/-0.102 χ^2/NDF: 54767.6/97

- sign -23.480+/-0.143 χ^2/NDF: 26830.6/50

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -0.599+/-0.345 χ^2/NDF: 1154.9/21

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.860+/-0.339 χ^2/NDF: 1084.0/27

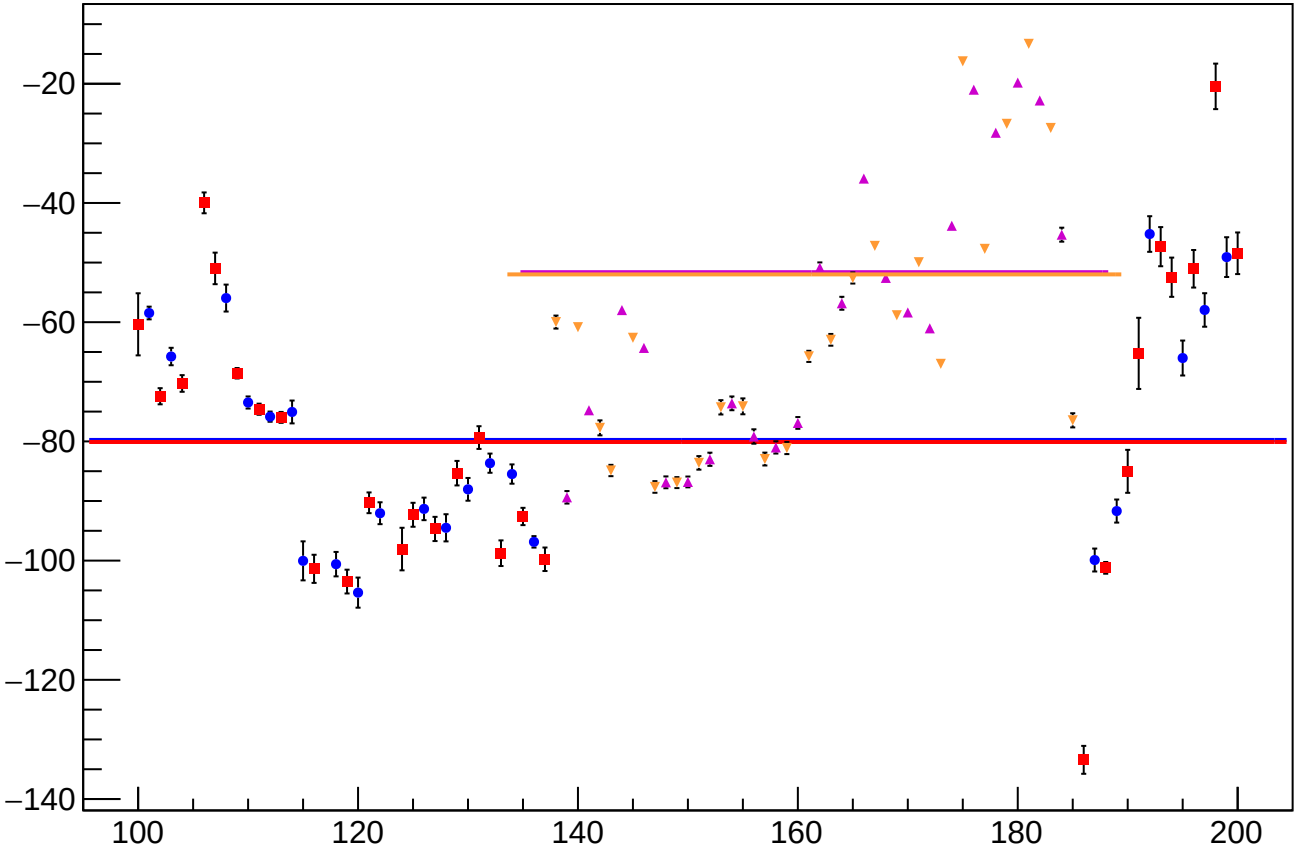
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.761+/-0.120 χ^2/NDF: 8938.4/46

All: 2.565+/-0.086 χ^2/NDF: 15587.3/97

- sign 2.362+/-0.122 χ^2/NDF: 6643.5/50

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.756+/-0.343 χ^2/NDF: 1836.0/21

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.098+/-0.320 χ^2/NDF: 3163.7/27

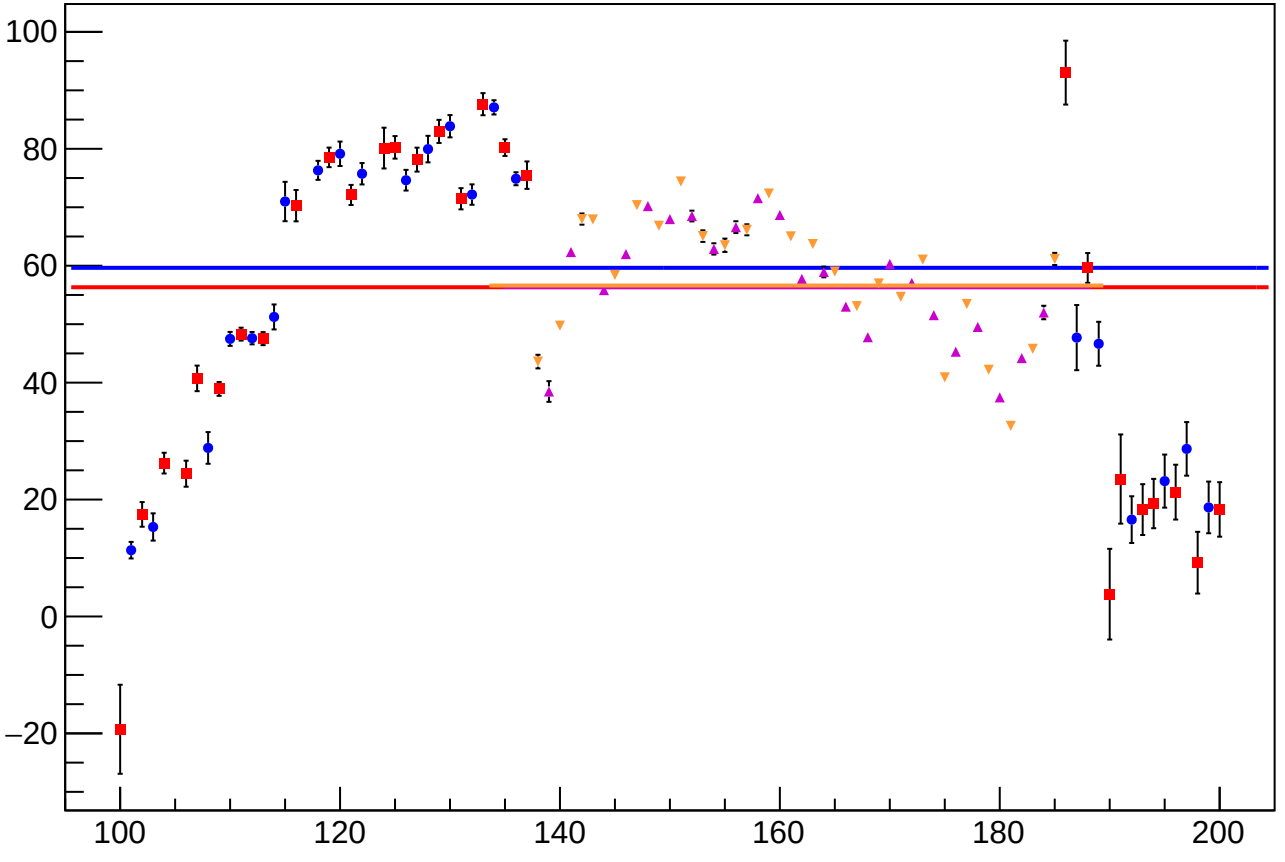
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.198+/-0.149 χ^2/NDF: 28057.0/46

All: -57.510+/-0.105 χ^2/NDF: 55046.0/97

- sign -57.826+/-0.150 χ^2/NDF: 26980.1/50

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 59.641+/-0.391 χ^2/NDF: 3572.0/21

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.316+/-0.386 χ^2/NDF: 3254.5/27

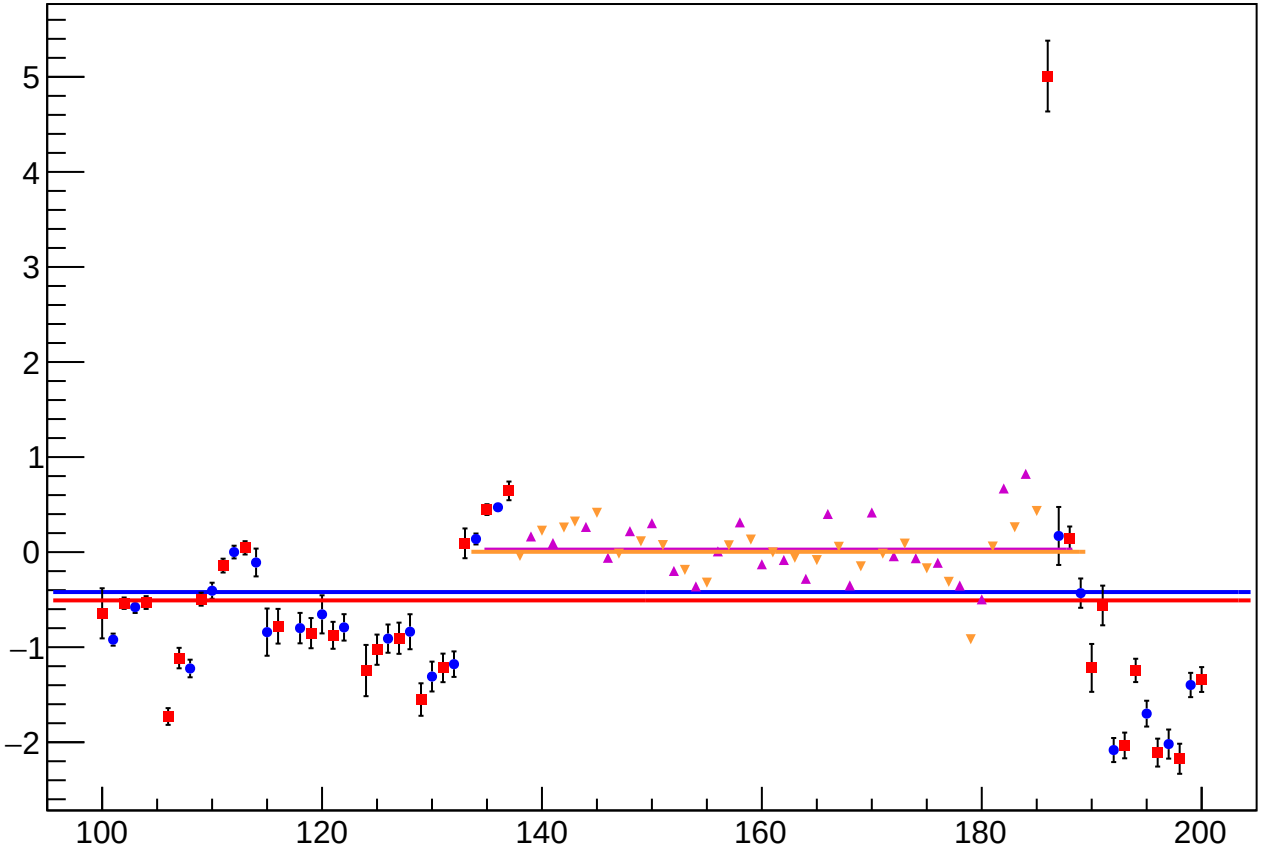
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.974+/-0.135 χ^2/NDF: 9291.0/46

All: 56.665+/-0.096 χ^2/NDF: 16524.9/97

- sign 56.344+/-0.138 χ^2/NDF: 7223.2/50

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.420+/-0.020 χ^2/NDF: 1201.7/21

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.508+/-0.020 χ^2/NDF: 1538.8/27

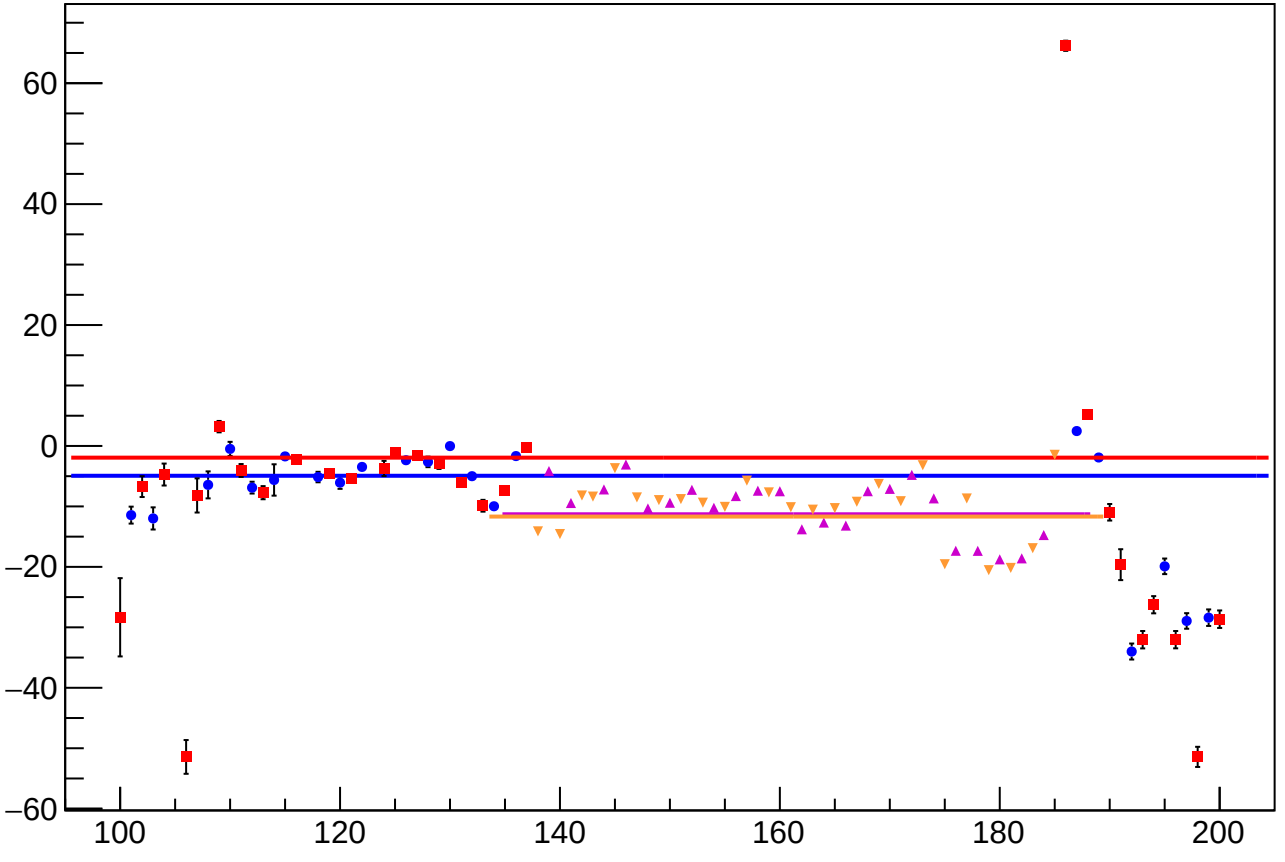
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.035+/-0.006 χ^2/NDF: 3295.6/46

All: -0.030+/-0.004 χ^2/NDF: 7819.4/97

- sign -0.025+/-0.006 χ^2/NDF: 4522.5/50

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.931+/-0.173 χ^2/NDF: 1642.0/21

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -1.934+/-0.169 χ^2/NDF: 9969.2/27

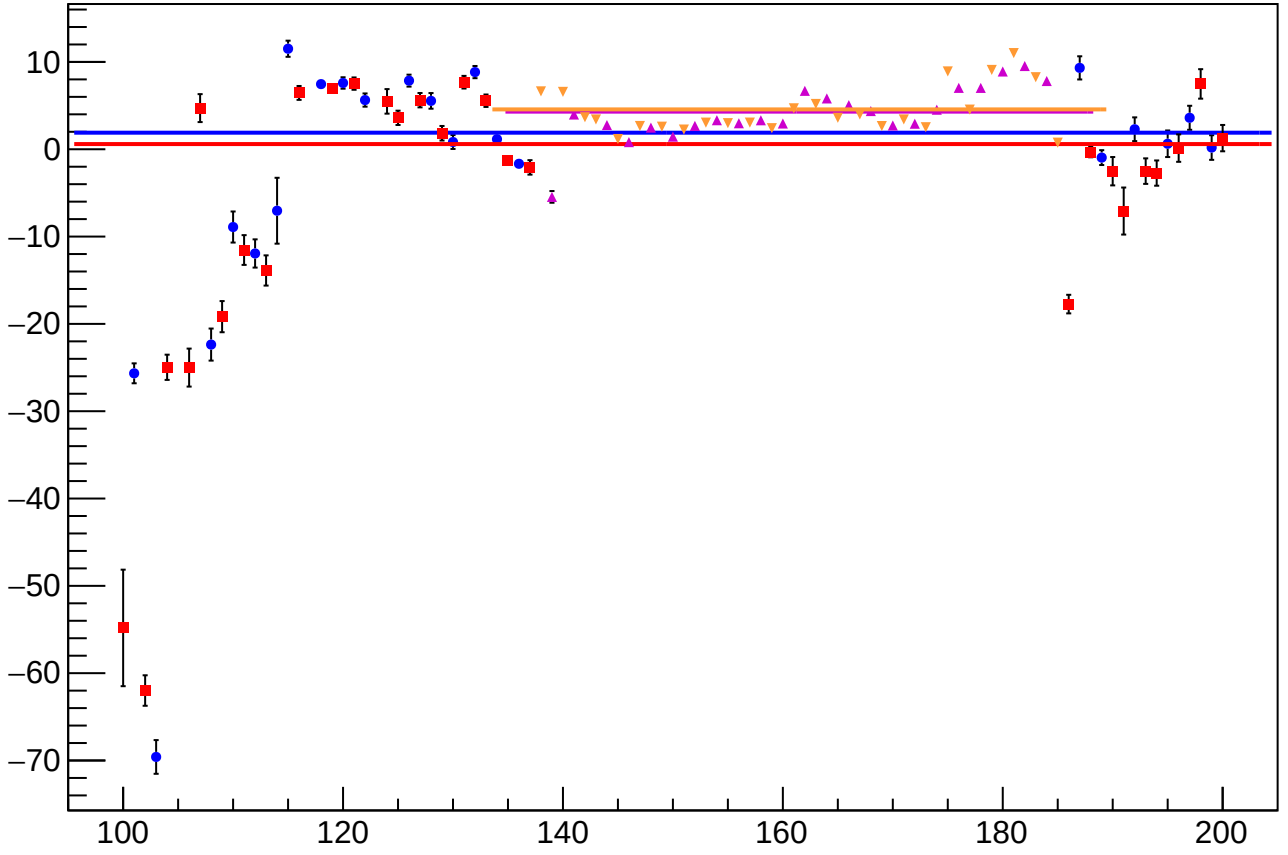
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.106+/-0.050 χ^2/NDF: 15641.0/46

All: -10.777+/-0.036 χ^2/NDF: 37717.2/97

- sign -10.433+/-0.051 χ^2/NDF: 21988.8/50

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.897+/-0.177 χ^2/NDF: 2884.5/21

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.594+/-0.184 χ^2/NDF: 2917.3/27

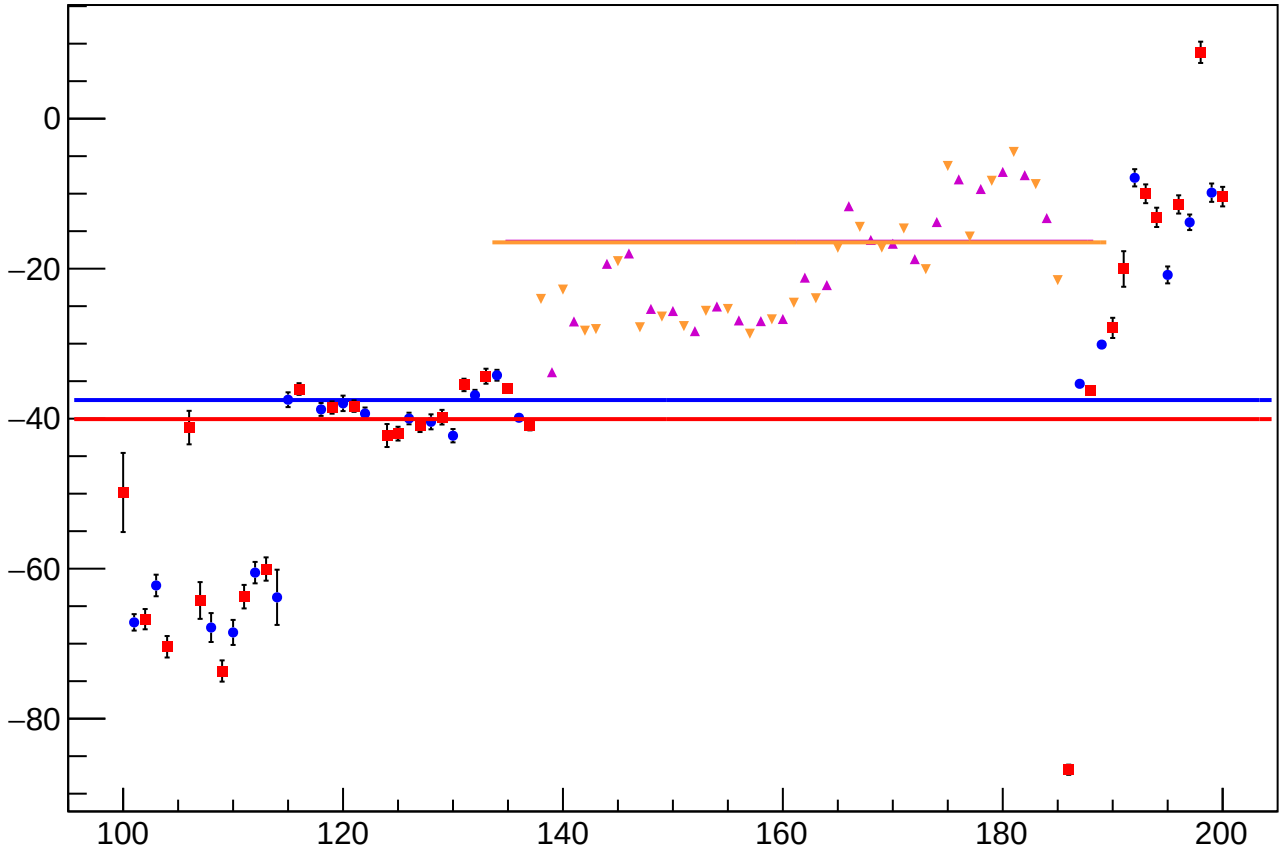
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.426+/-0.040 χ^2/NDF: 7456.1/46

All: 4.278+/-0.029 χ^2/NDF: 14395.3/97

- sign 4.124+/-0.041 χ^2/NDF: 6911.7/50

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -37.518+/-0.180 χ^2/NDF: 4106.0/21

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -40.059+/-0.173 χ^2/NDF: 10396.7/27

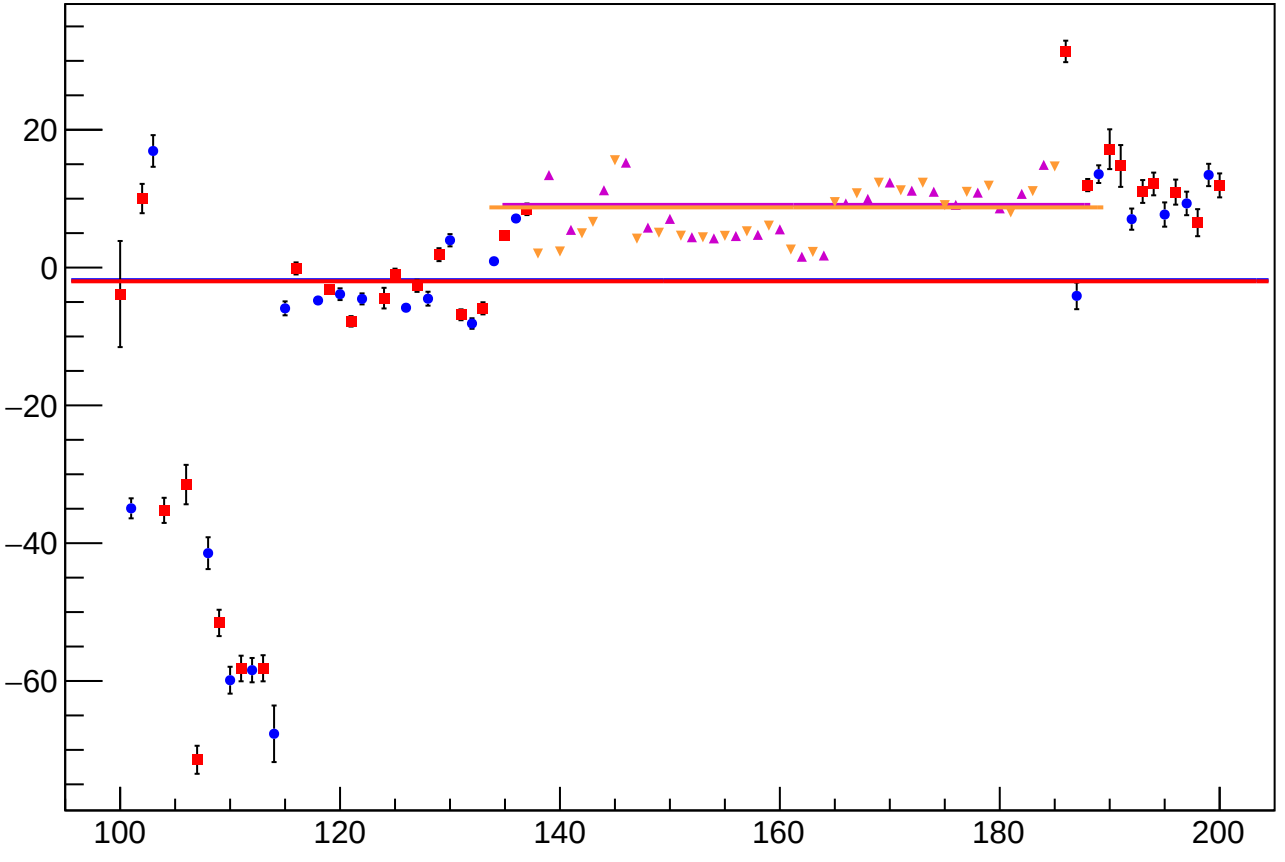
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.160+/-0.051 χ^2/NDF: 38672.8/46

All: -18.331+/-0.036 χ^2/NDF: 84248.9/97

- sign -18.507+/-0.051 χ^2/NDF: 45553.1/50

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -1.829+/-0.200 χ^2/NDF: 4092.3/21

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.992+/-0.212 χ^2/NDF: 5597.4/27

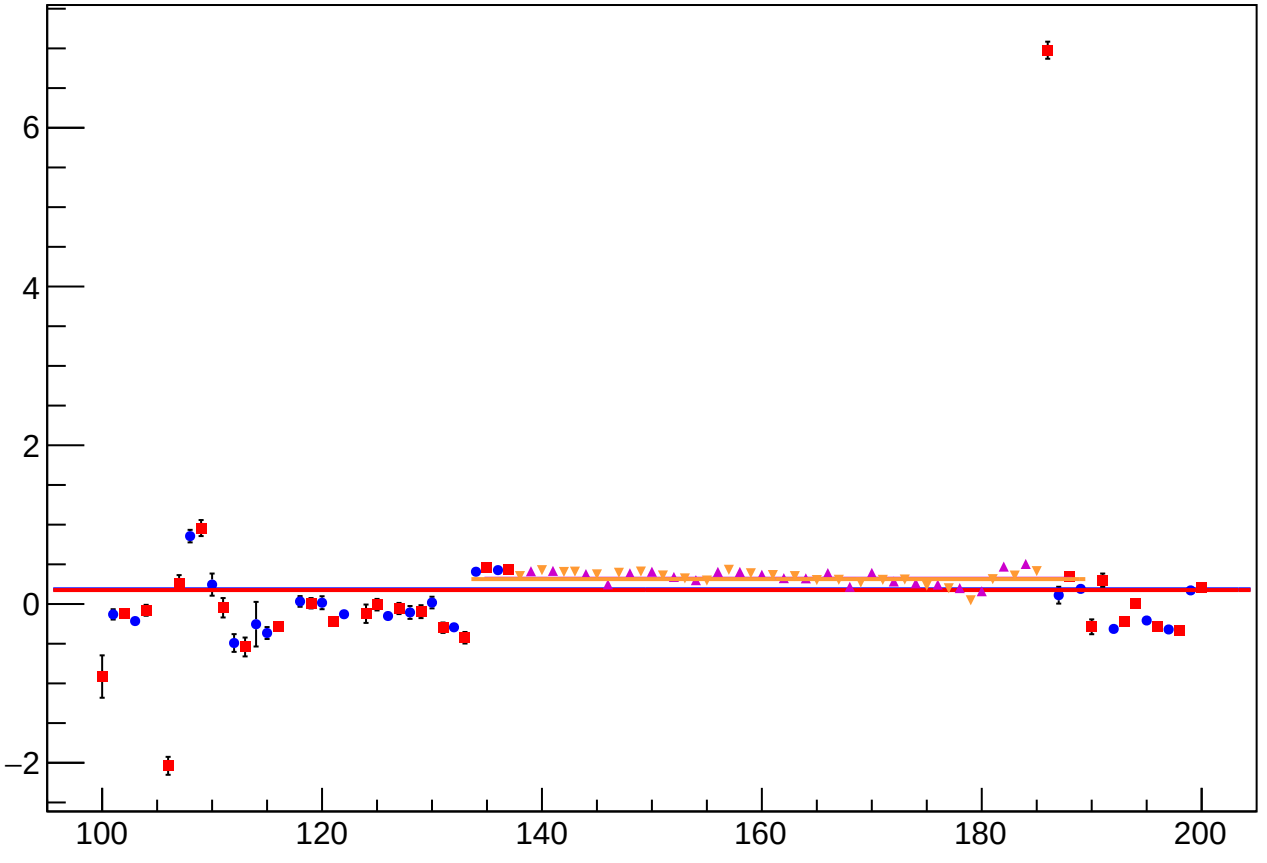
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.198+/-0.045 χ^2/NDF: 13626.0/46

All: 8.383+/-0.032 χ^2/NDF: 27593.7/97

- sign 8.577+/-0.046 χ^2/NDF: 13933.0/50

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.185+/-0.010 χ^2/NDF: 903.7/21

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

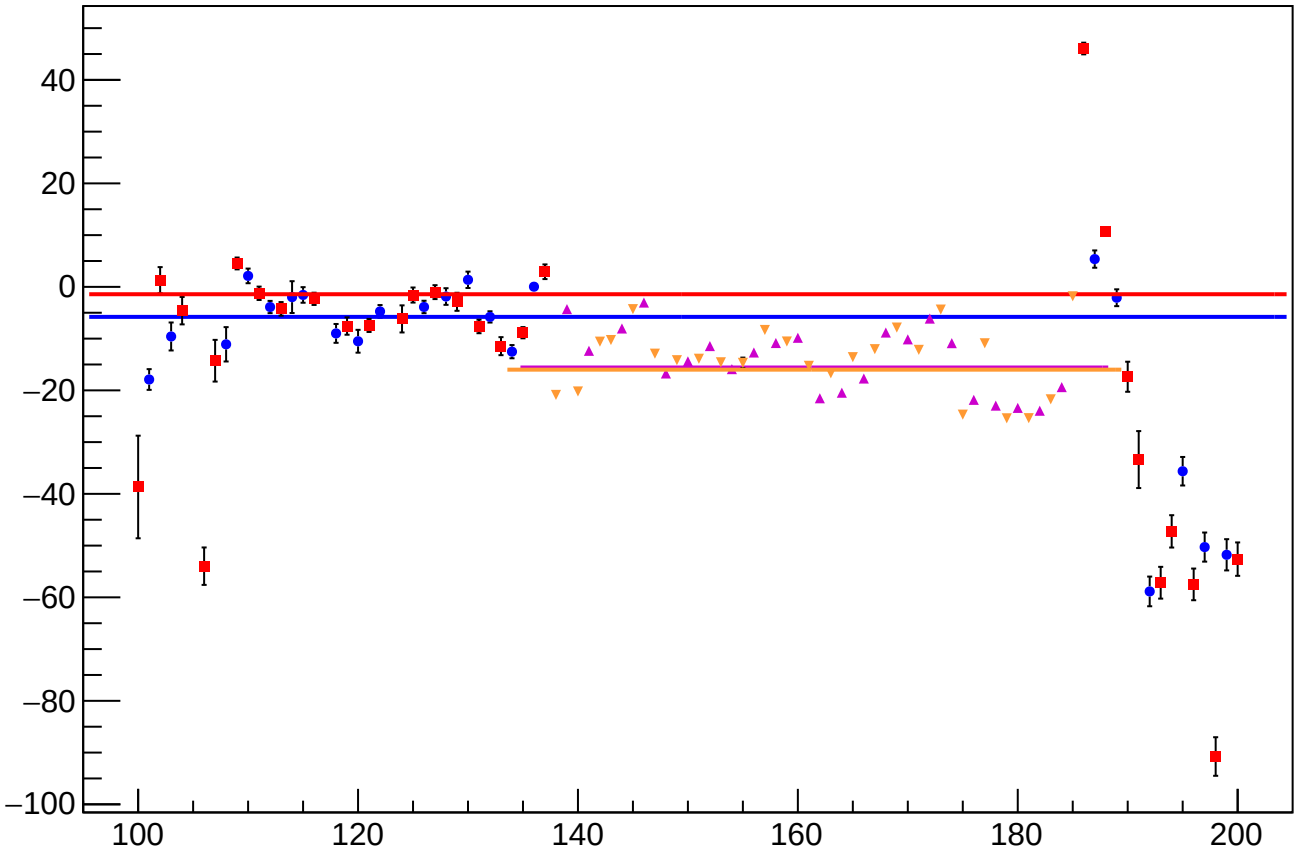
Right Out: 0.176+/-0.011 χ^2/NDF: 5277.2/27

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2658.4/46

All: 0.311+/-0.001 χ^2/NDF: 9889.9/97

- sign 0.314+/-0.002 χ^2/NDF: 7228.9/50



Right In: -5.799+/-0.323 χ^2/NDF: 1209.7/21

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -1.421+/-0.309 χ^2/NDF: 4139.3/27

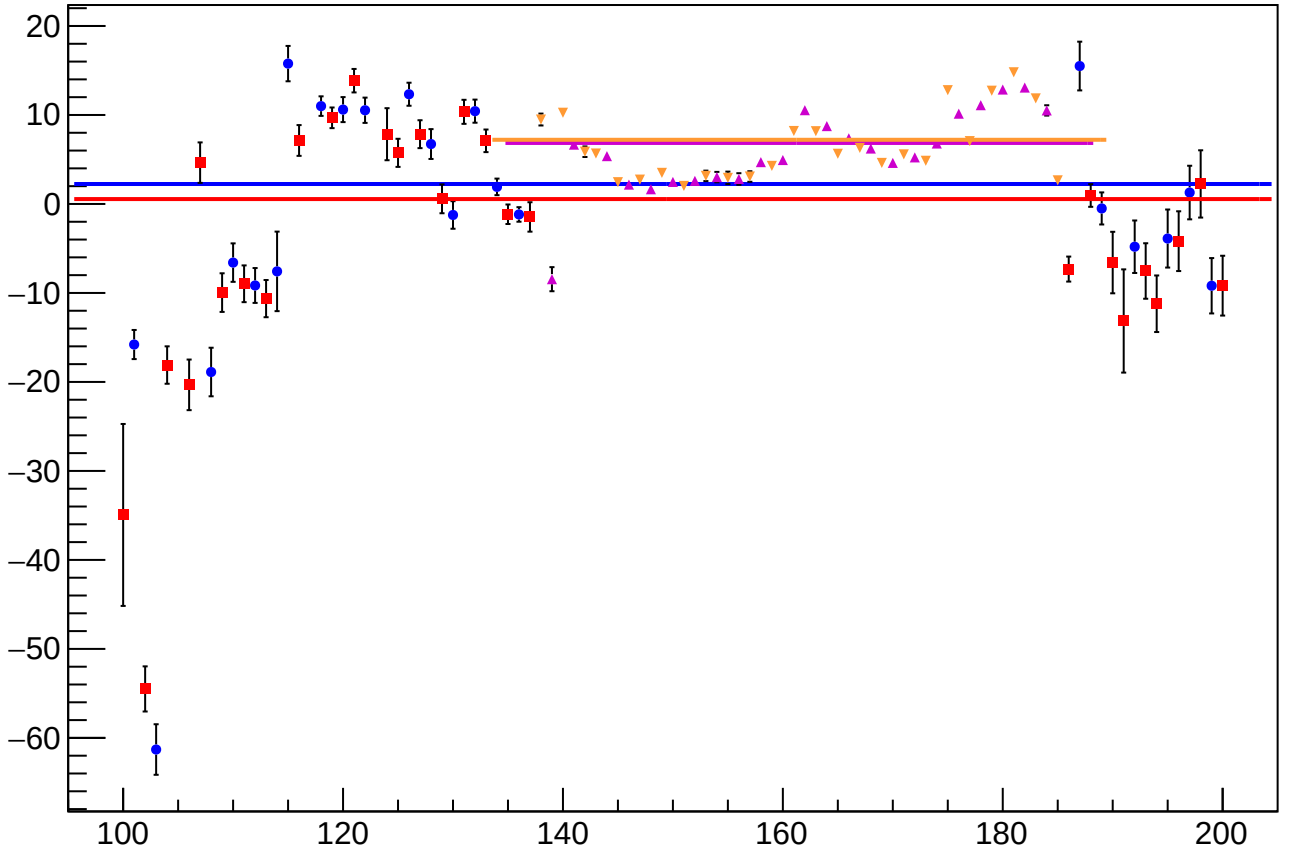
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.119+/-0.095 χ^2/NDF: 8082.9/46

All: -14.663+/-0.068 χ^2/NDF: 18925.2/97

- sign -14.189+/-0.097 χ^2/NDF: 10795.3/50

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.242+/-0.339 χ^2/NDF: 1095.7/21

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.550+/-0.345 χ^2/NDF: 1064.7/27

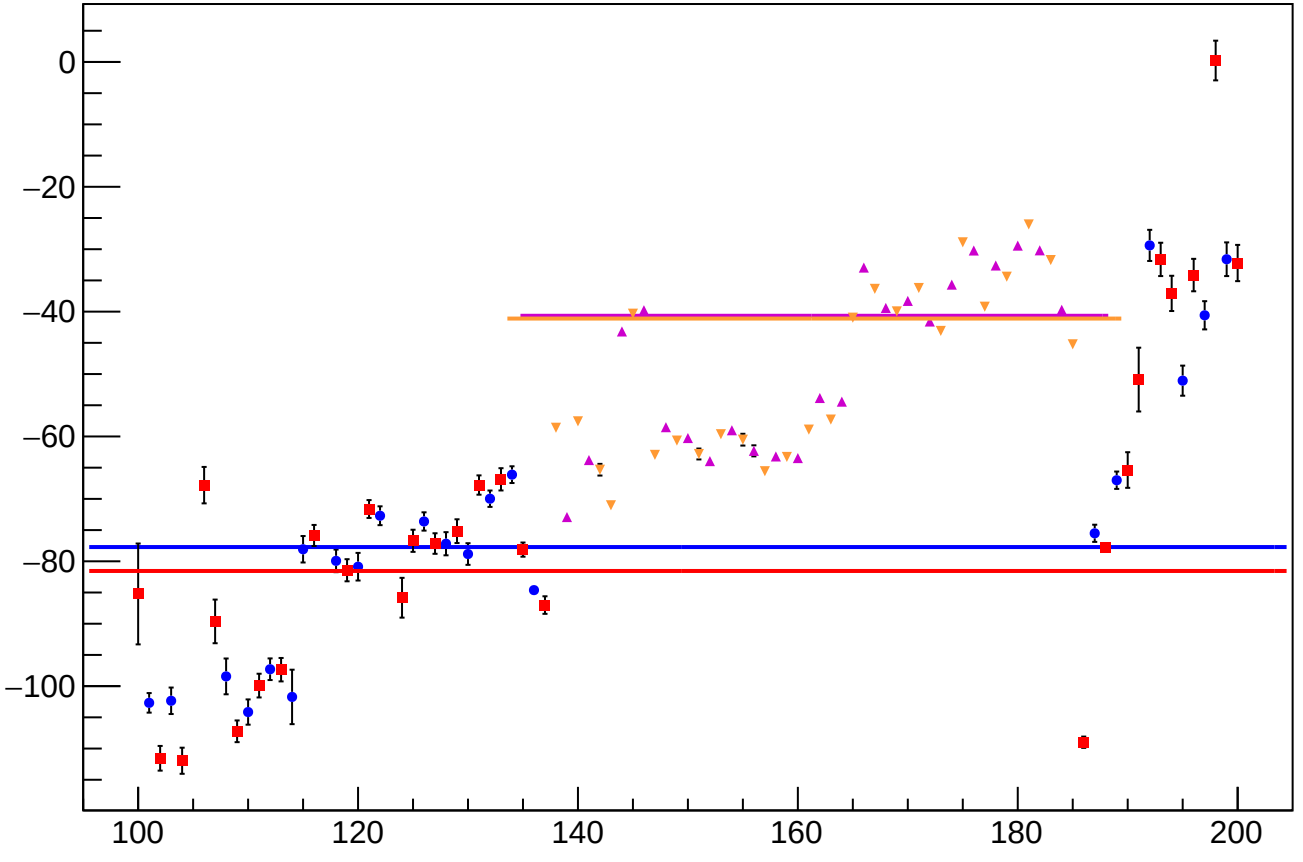
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.949+/-0.078 χ^2/NDF: 3755.6/46

All: 6.740+/-0.055 χ^2/NDF: 7307.6/97

- sign 6.526+/-0.079 χ^2/NDF: 3537.4/50

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -77.717+/-0.343 χ^2/NDF: 2118.0/21

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -81.549+/-0.321 χ^2/NDF: 4004.5/27

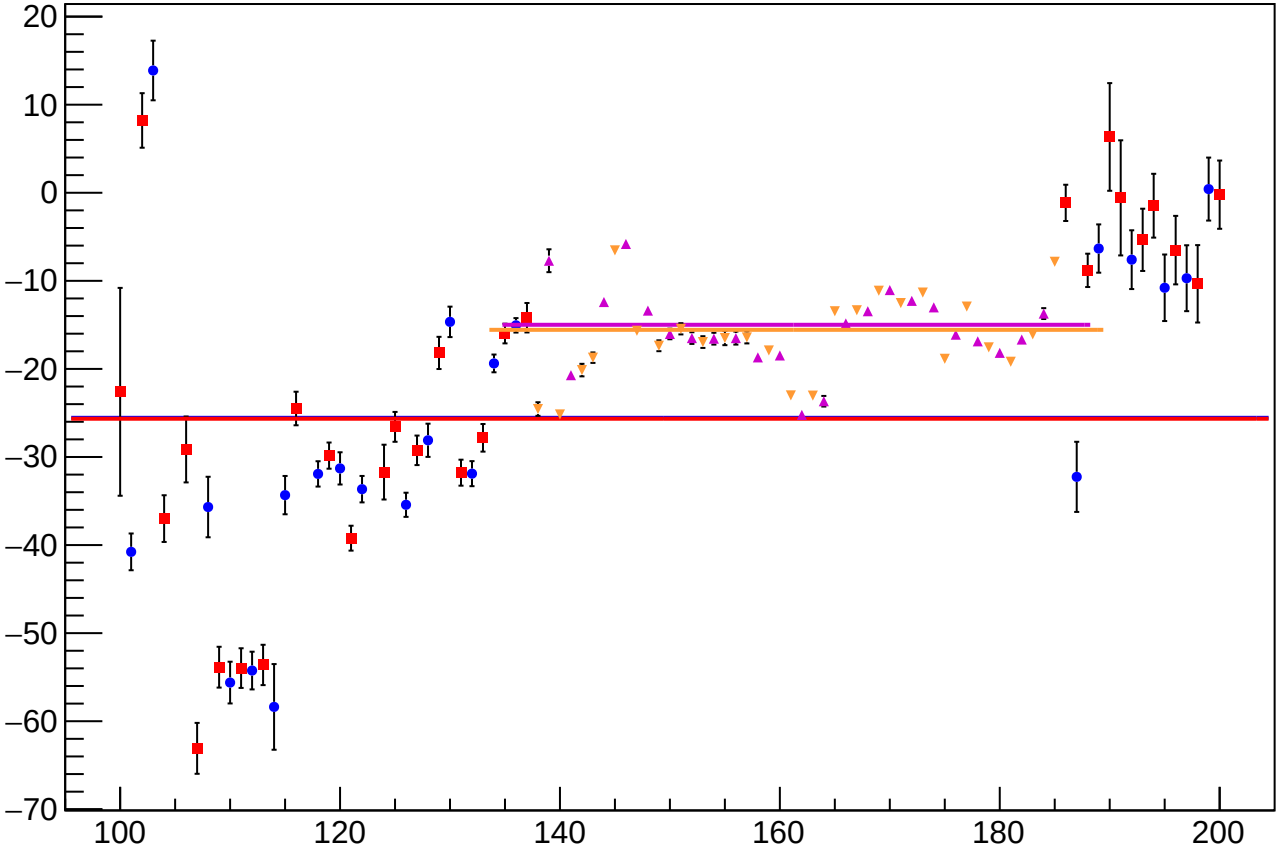
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.974+/-0.096 χ^2/NDF: 28597.8/46

All: -44.199+/-0.068 χ^2/NDF: 60889.2/97

- sign -44.431+/-0.097 χ^2/NDF: 32280.2/50

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -25.552+/-0.381 χ^2/NDF: 1140.3/21

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.656+/-0.399 χ^2/NDF: 1449.1/27

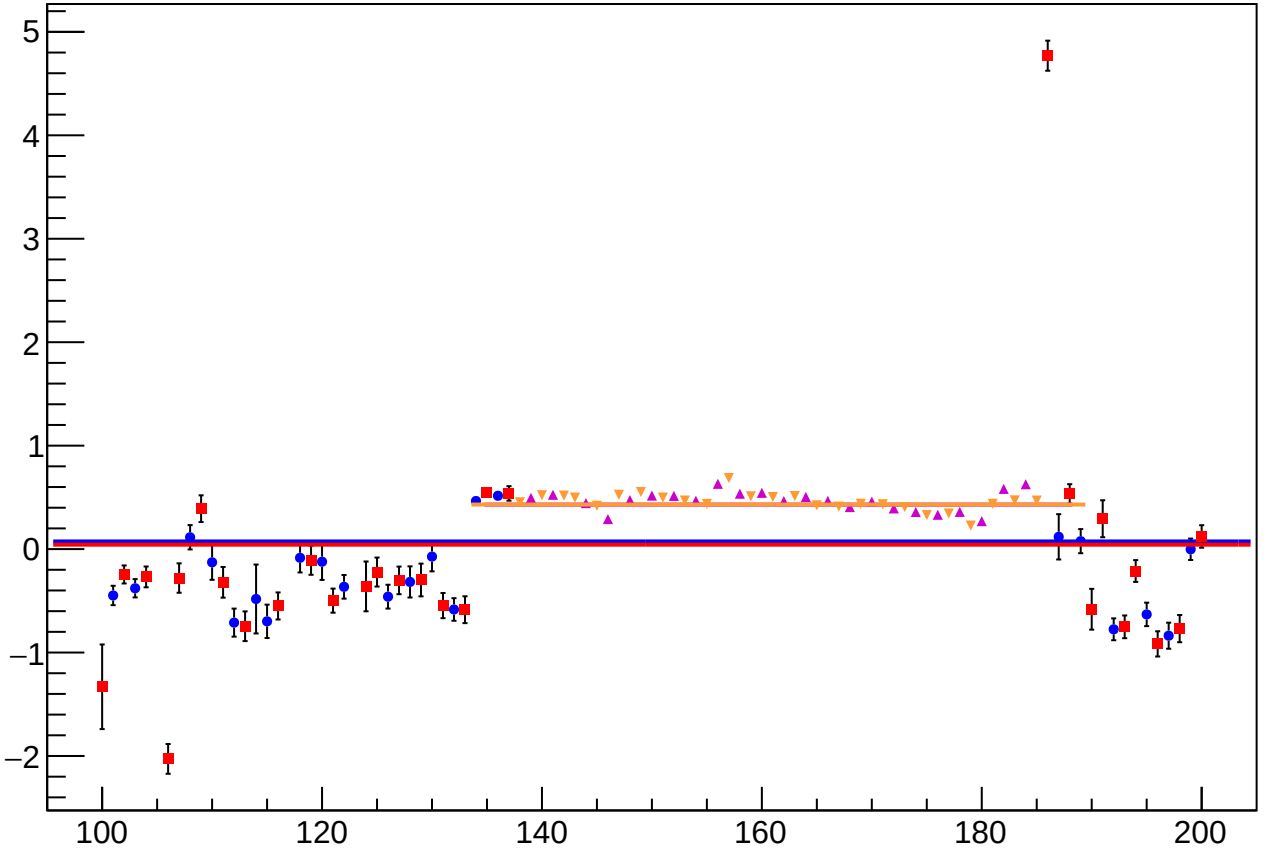
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.078+/-0.087 χ^2/NDF: 4342.5/46

All: -15.799+/-0.062 χ^2/NDF: 8644.0/97

- sign -15.510+/-0.088 χ^2/NDF: 4280.4/50

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.074+/-0.020 χ^2/NDF: 595.9/21

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.043+/-0.021 χ^2/NDF: 1833.6/27

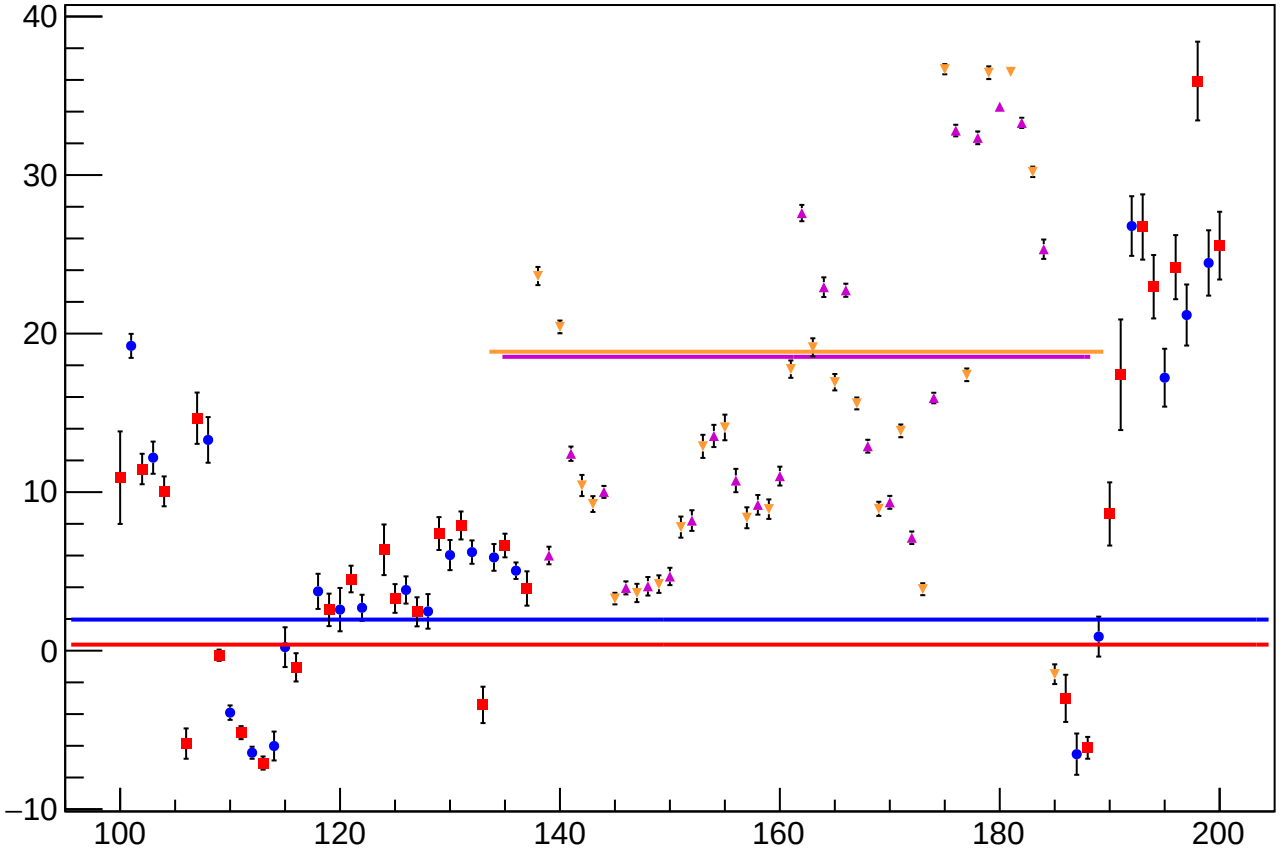
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.417+/-0.004 χ^2/NDF: 1332.4/46

All: 0.416+/-0.003 χ^2/NDF: 4079.3/97

- sign 0.416+/-0.004 χ^2/NDF: 2746.8/50

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.961+/-0.176 χ^2/NDF: 2037.1/21

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.382+/-0.159 χ^2/NDF: 2064.4/27

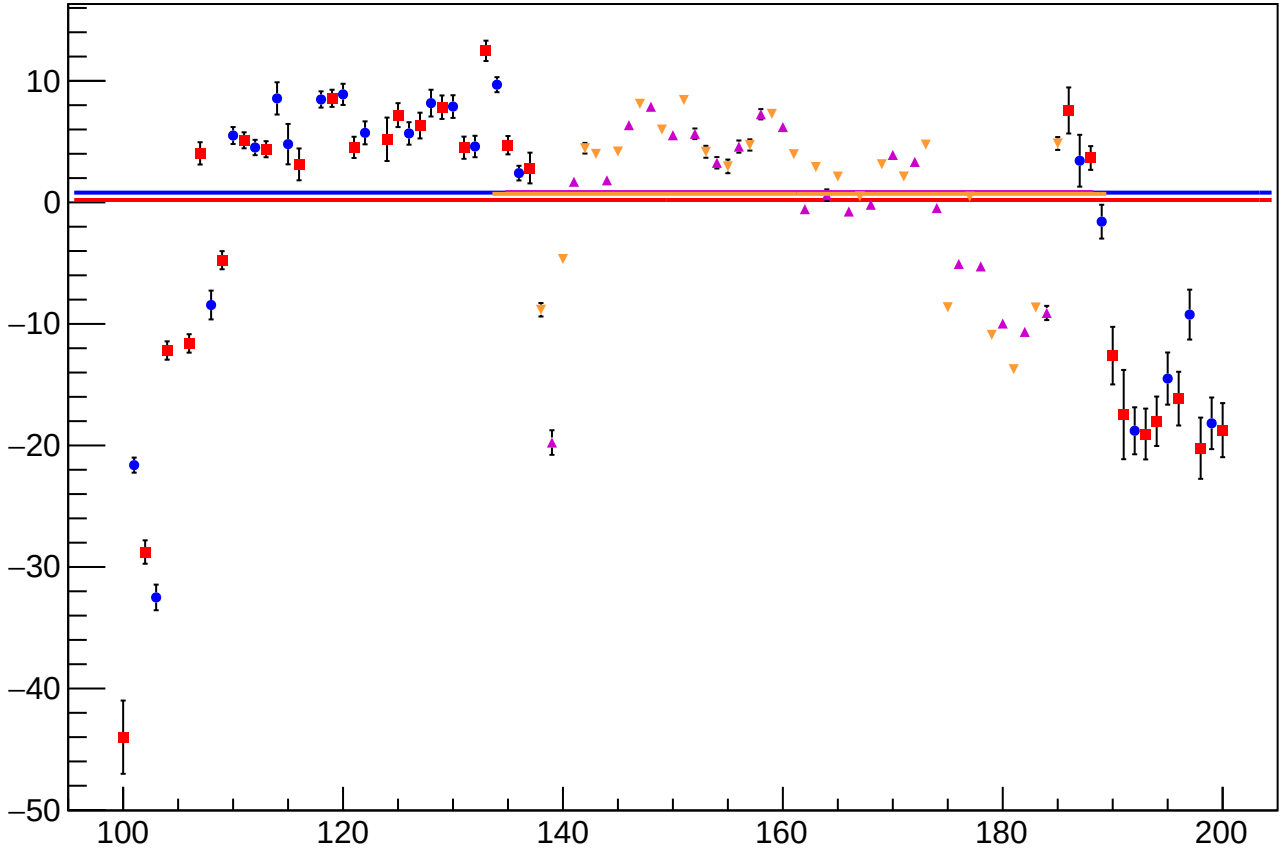
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.343+/-0.080 χ^2/NDF: 27677.2/46

All: 14.610+/-0.057 χ^2/NDF: 53698.2/97

- sign 13.878+/-0.080 χ^2/NDF: 25855.2/50

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.804+/-0.197 χ^2/NDF: 3352.4/21

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.198+/-0.192 χ^2/NDF: 2826.8/27

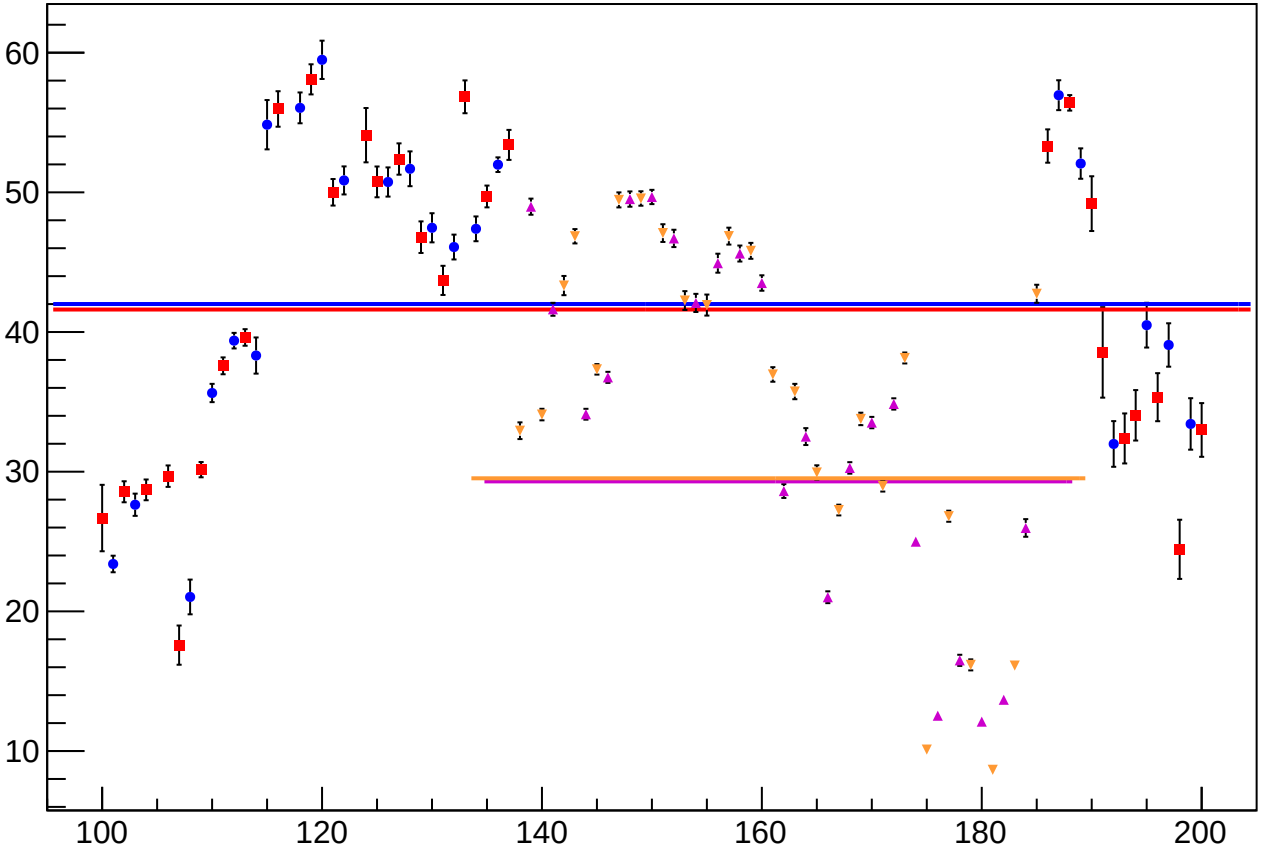
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.714+/-0.066 χ^2/NDF: 11590.5/46

All: 0.739+/-0.047 χ^2/NDF: 20473.0/97

- sign 0.766+/-0.068 χ^2/NDF: 8882.2/50

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.004+/-0.197 χ^2/NDF: 3098.3/21

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.610+/-0.182 χ^2/NDF: 3699.8/27

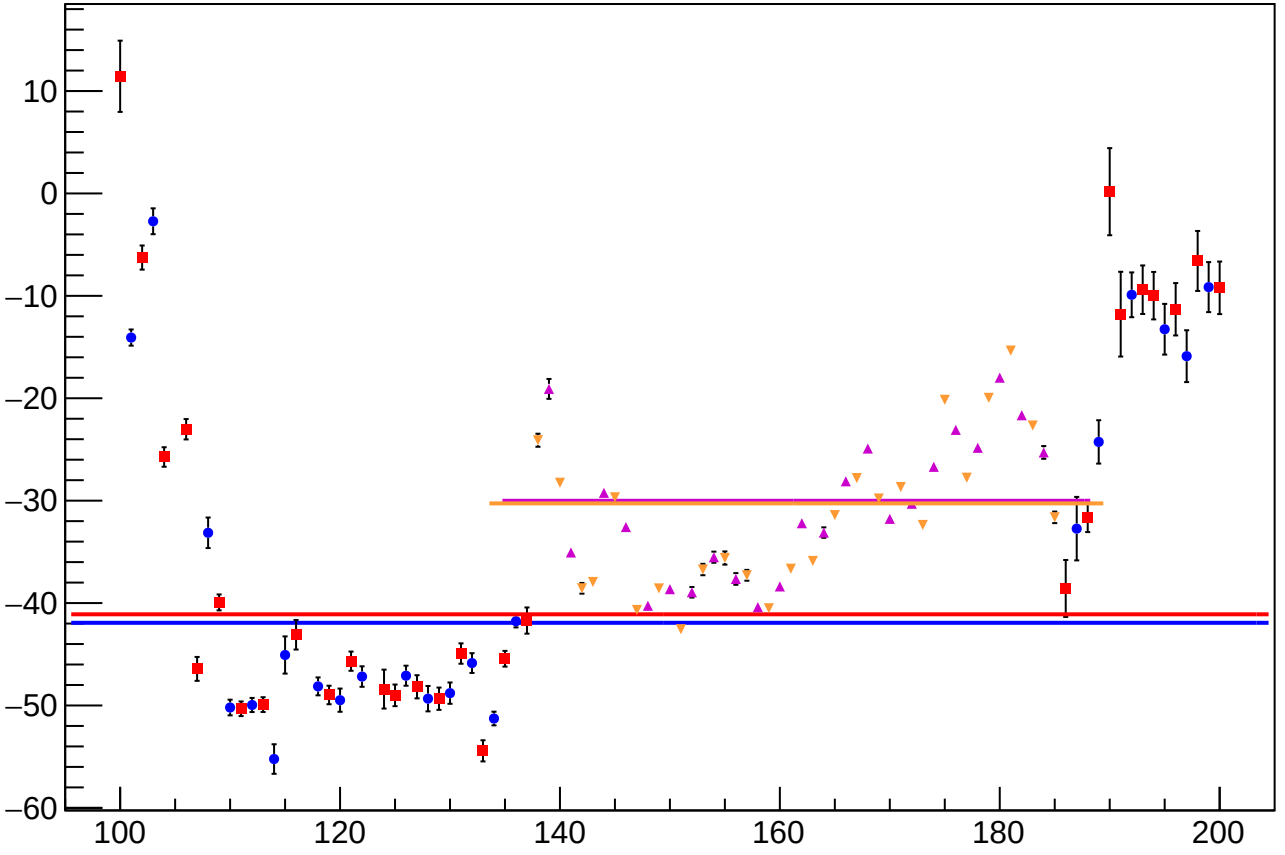
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.701+/-0.082 χ^2/NDF: 27489.6/46

All: 31.774+/-0.058 χ^2/NDF: 52670.3/97

- sign 31.848+/-0.083 χ^2/NDF: 25179.2/50

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.927+/-0.223 χ^2/NDF: 3733.0/21

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

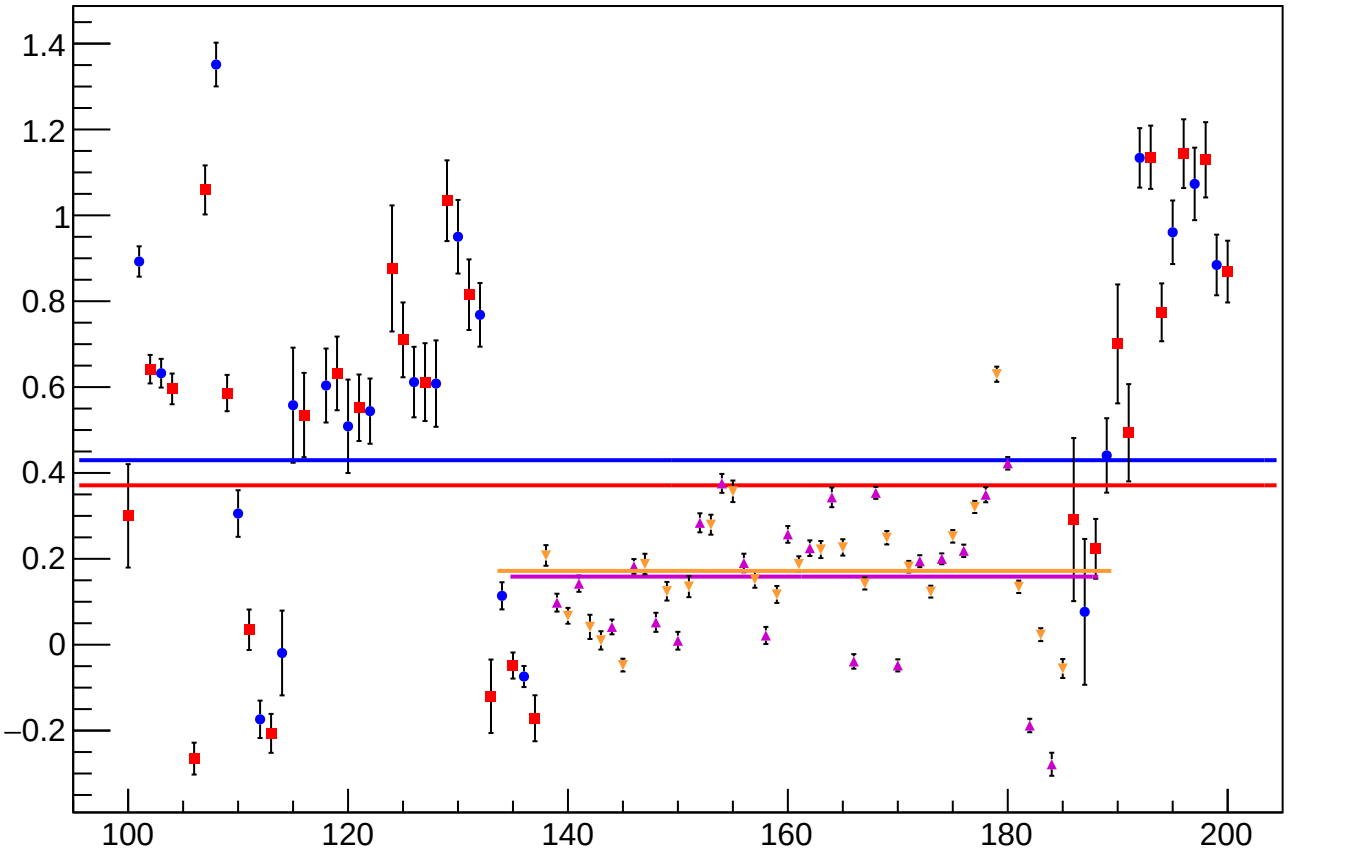
Right Out: -41.098+/-0.220 χ^2/NDF: 3490.2/27

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.571+/-0.075 χ^2/NDF: 14652.3/46

All: -31.458+/-0.053 χ^2/NDF: 26456.2/97

- sign -31.339+/-0.076 χ^2/NDF: 11799.1/50



Right In: 0.430+/-0.011 χ^2/NDF: 1605.2/21

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.371+/-0.011 χ^2/NDF: 1612.3/27

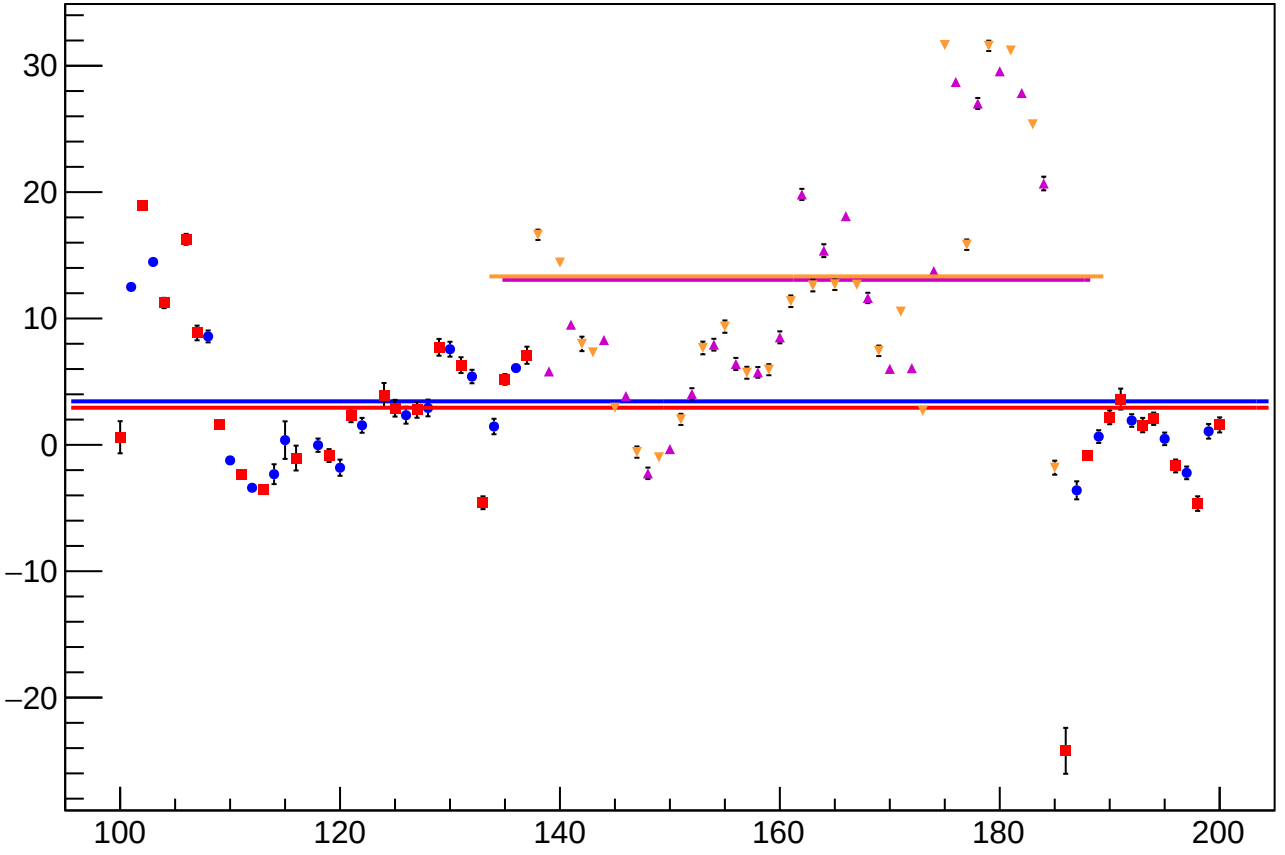
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.195+/-0.003 χ^2/NDF: 3568.4/46

All: 0.187+/-0.002 χ^2/NDF: 7708.2/97

- sign 0.179+/-0.003 χ^2/NDF: 4129.6/50

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.443+/-0.103 χ^2/NDF: 3010.8/21

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.939+/-0.091 χ^2/NDF: 5081.6/27

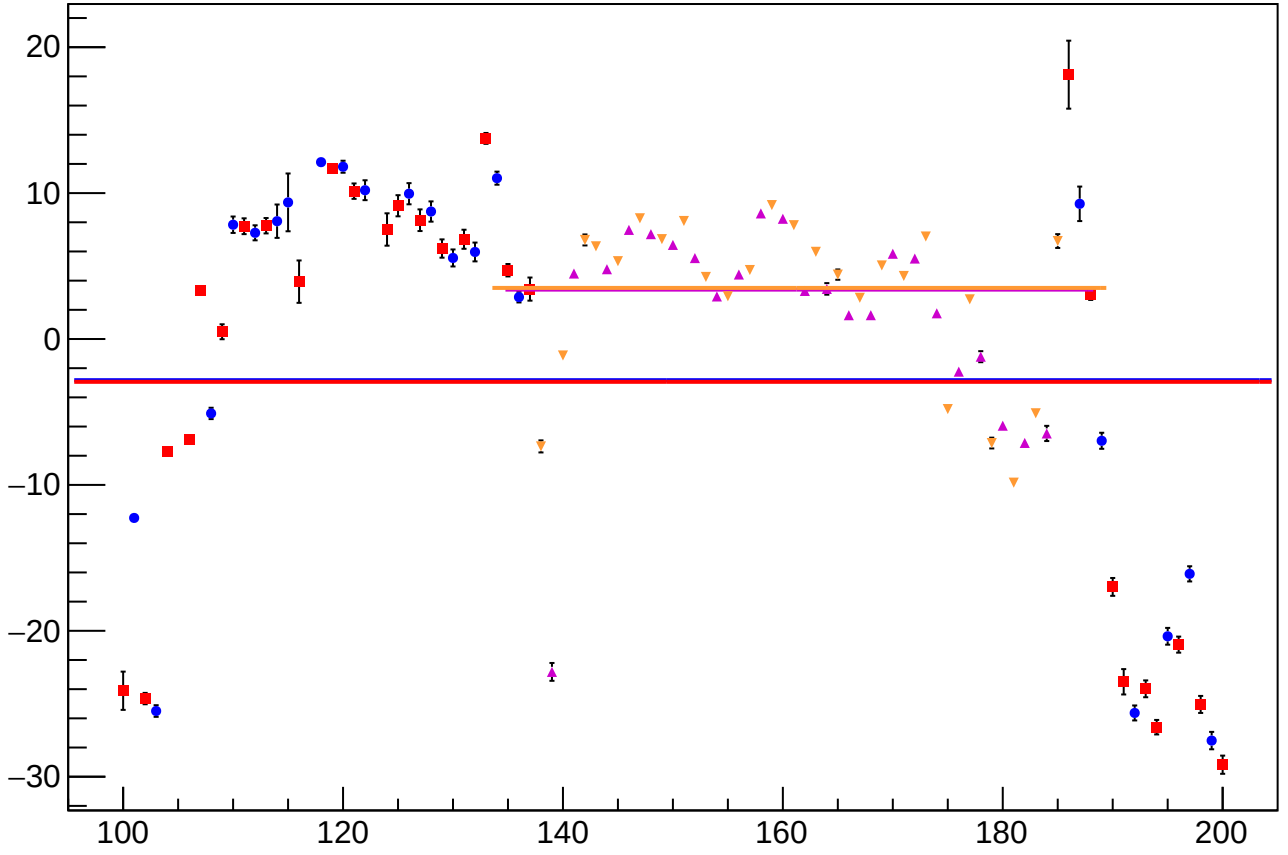
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.806+/-0.062 χ^2/NDF: 28357.4/46

All: 9.229+/-0.043 χ^2/NDF: 56208.8/97

- sign 8.685+/-0.060 χ^2/NDF: 27681.0/50

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -2.822+/-0.104 χ^2/NDF: 16817.7/21

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -2.934+/-0.096 χ^2/NDF: 20233.5/27

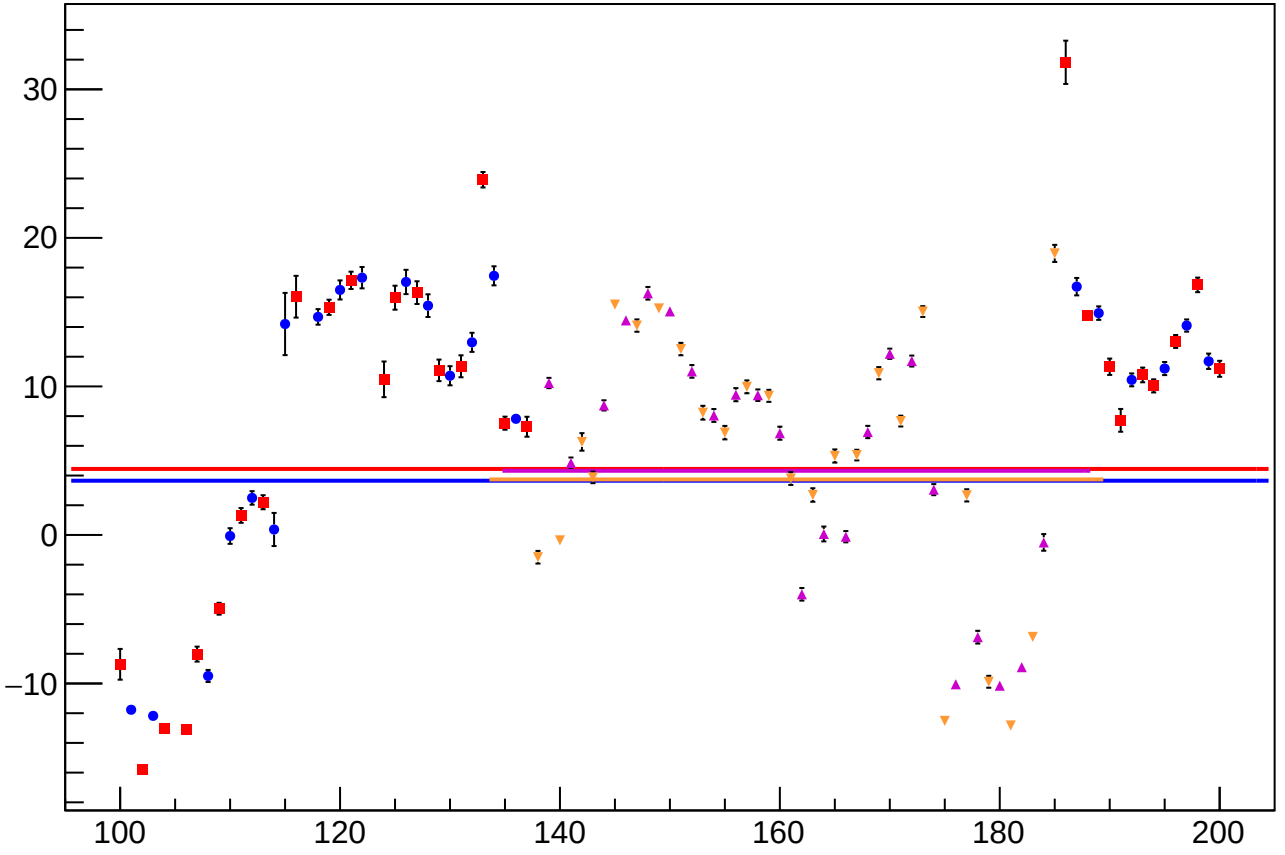
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.989+/-0.051 χ^2/NDF: 27520.2/46

All: 1.782+/-0.036 χ^2/NDF: 57572.5/97

- sign 1.572+/-0.052 χ^2/NDF: 30019.3/50

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 3.652+/-0.101 χ^2/NDF: 12764.1/21

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

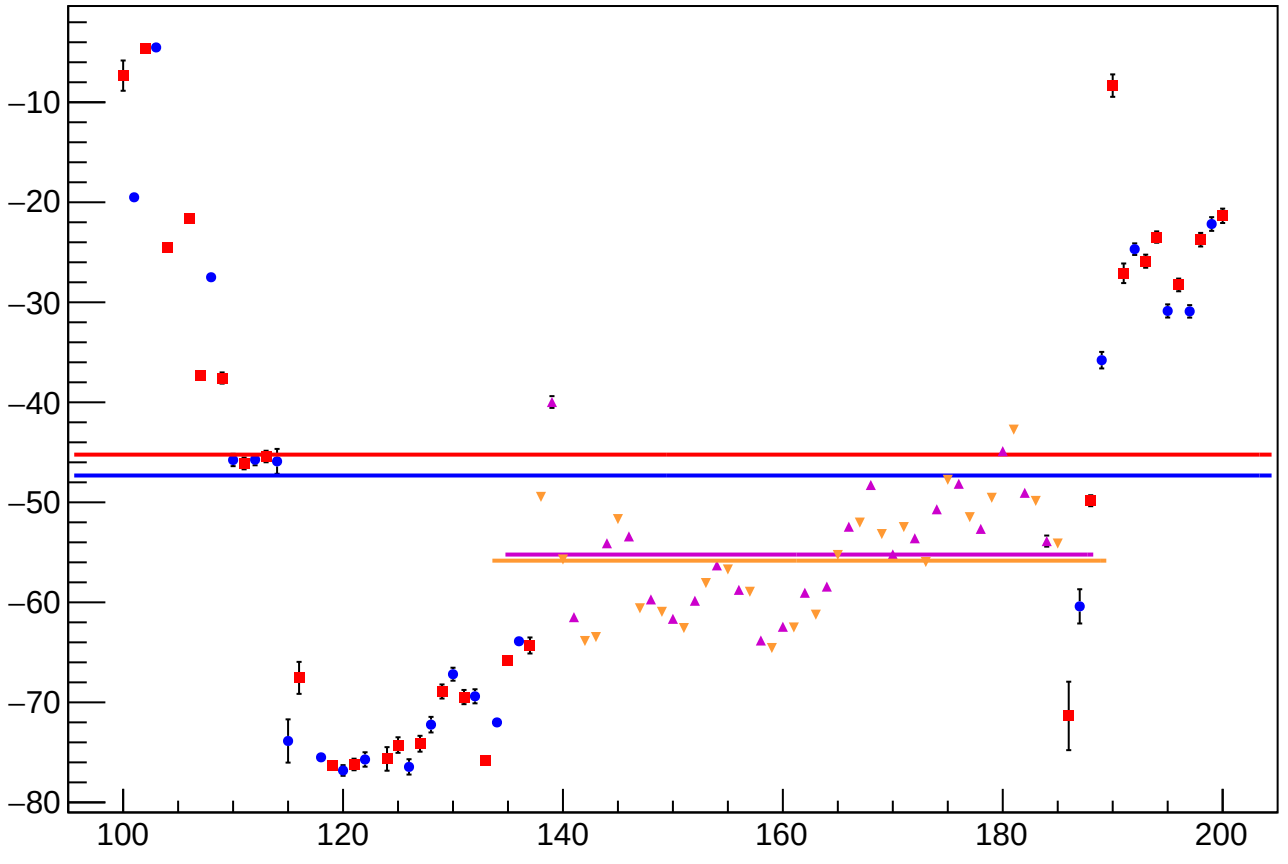
Right Out: 4.445+/-0.089 χ^2/NDF: 19270.6/27

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.707+/-0.061 χ^2/NDF: 28351.3/46

All: 4.052+/-0.042 χ^2/NDF: 60168.6/97

- sign 4.376+/-0.059 χ^2/NDF: 31755.0/50



Right In: -47.318+/-0.123 χ^2/NDF: 39035.2/21

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -45.230+/-0.115 χ^2/NDF: 41932.4/27

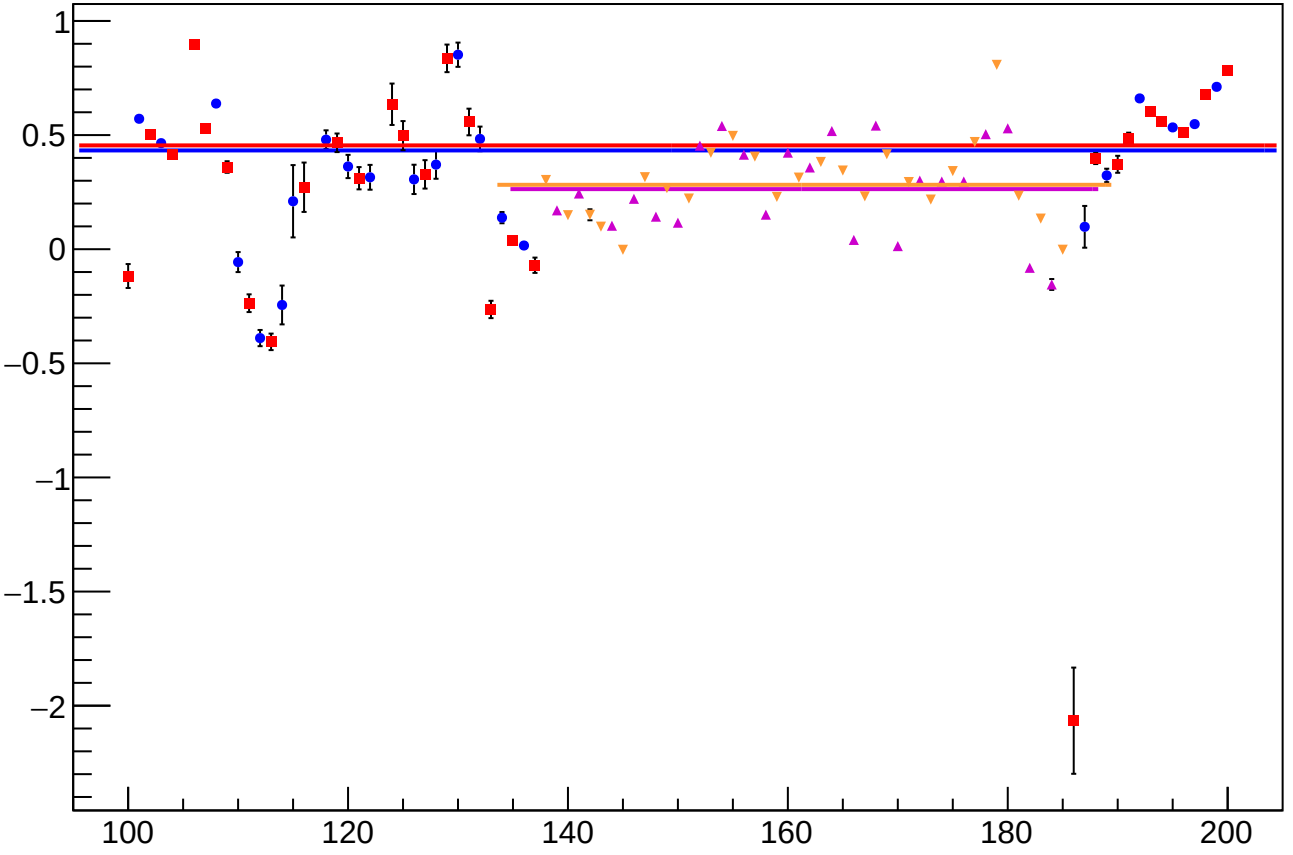
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

\+ sign -53.915+/-0.058 χ^2/NDF: 50336.1/46

All: -53.258+/-0.041 χ^2/NDF: 104442.8/97

\- sign -52.588+/-0.059 χ^2/NDF: 53851.0/50

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.433+/-0.005 χ^2/NDF: 2425.8/21

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.455+/-0.005 χ^2/NDF: 3564.7/27

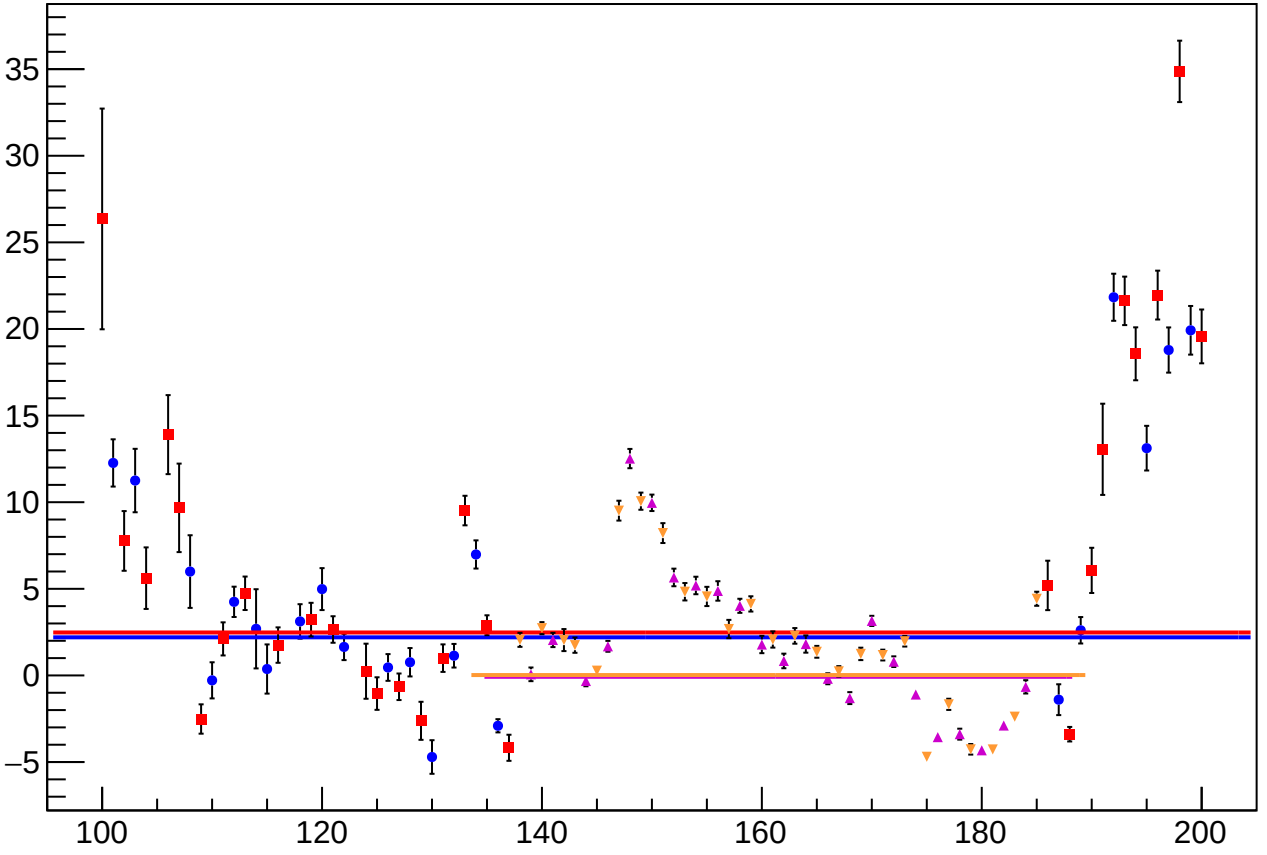
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.319+/-0.003 χ^2/NDF: 5764.7/46

All: 0.319+/-0.002 χ^2/NDF: 14316.6/97

- sign 0.319+/-0.003 χ^2/NDF: 8551.8/50

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.199+/-0.191 χ^2/NDF: 994.6/21

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.479+/-0.185 χ^2/NDF: 1472.5/27

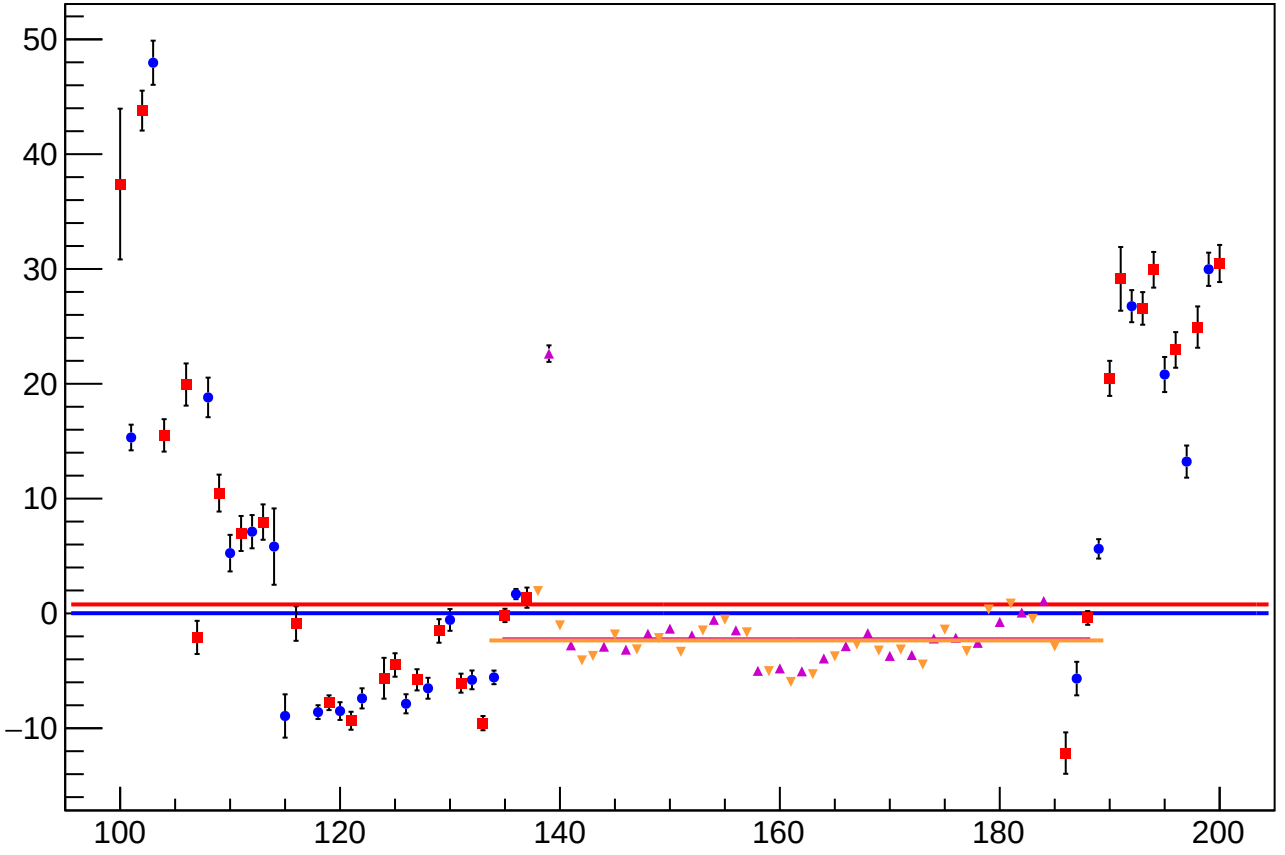
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.270+/-0.065 χ^2/NDF: 3868.9/46

All: 0.259+/-0.046 χ^2/NDF: 7973.0/97

- sign 0.246+/-0.066 χ^2/NDF: 4104.0/50

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.018+/-0.199 χ^2/NDF: 2811.0/21

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.783+/-0.201 χ^2/NDF: 3459.0/27

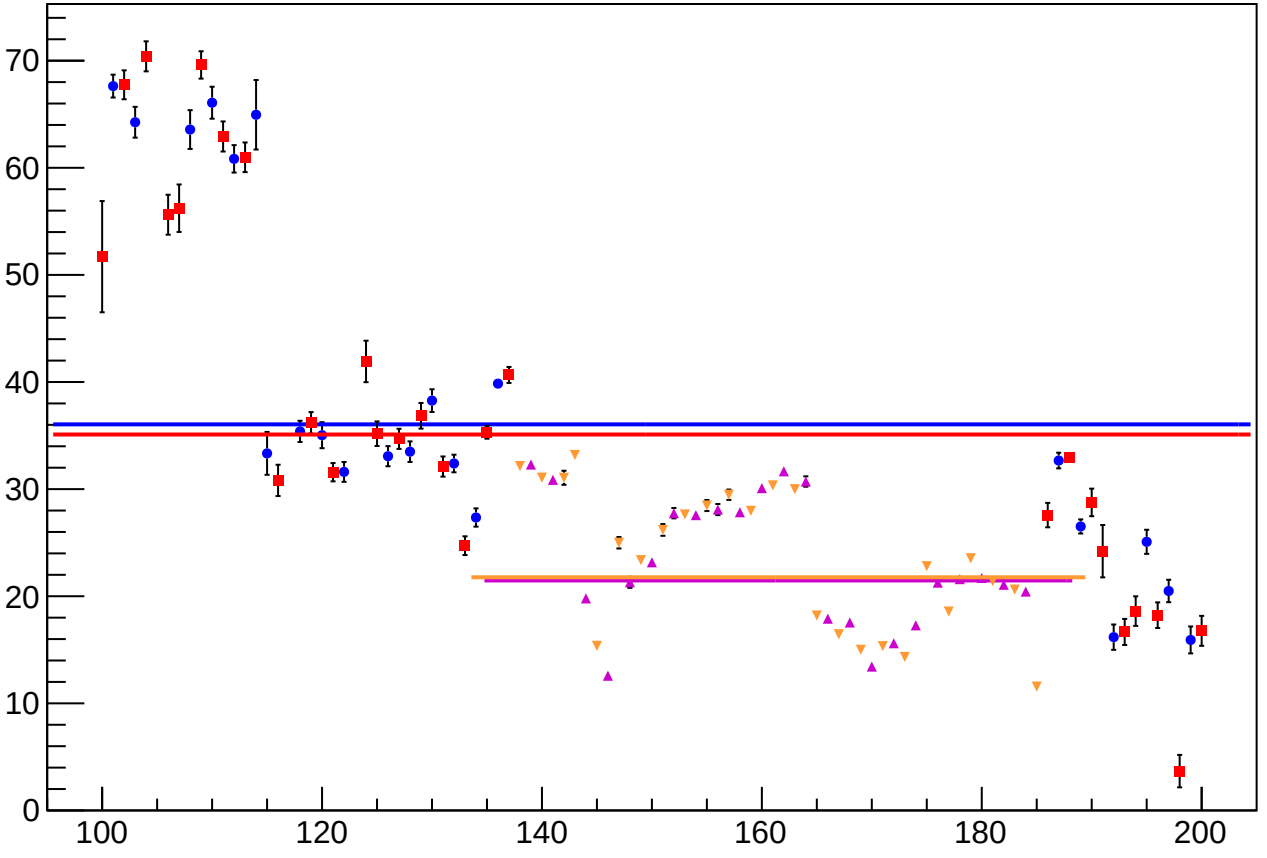
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

\+ sign -2.183+/-0.053 χ^2/NDF: 4069.0/46

All: -2.110+/-0.038 χ^2/NDF: 9621.2/97

\- sign -2.035+/-0.054 χ^2/NDF: 5548.4/50

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 36.047+/-0.197 χ^2/NDF: 3704.1/21

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.098+/-0.185 χ^2/NDF: 4462.1/27

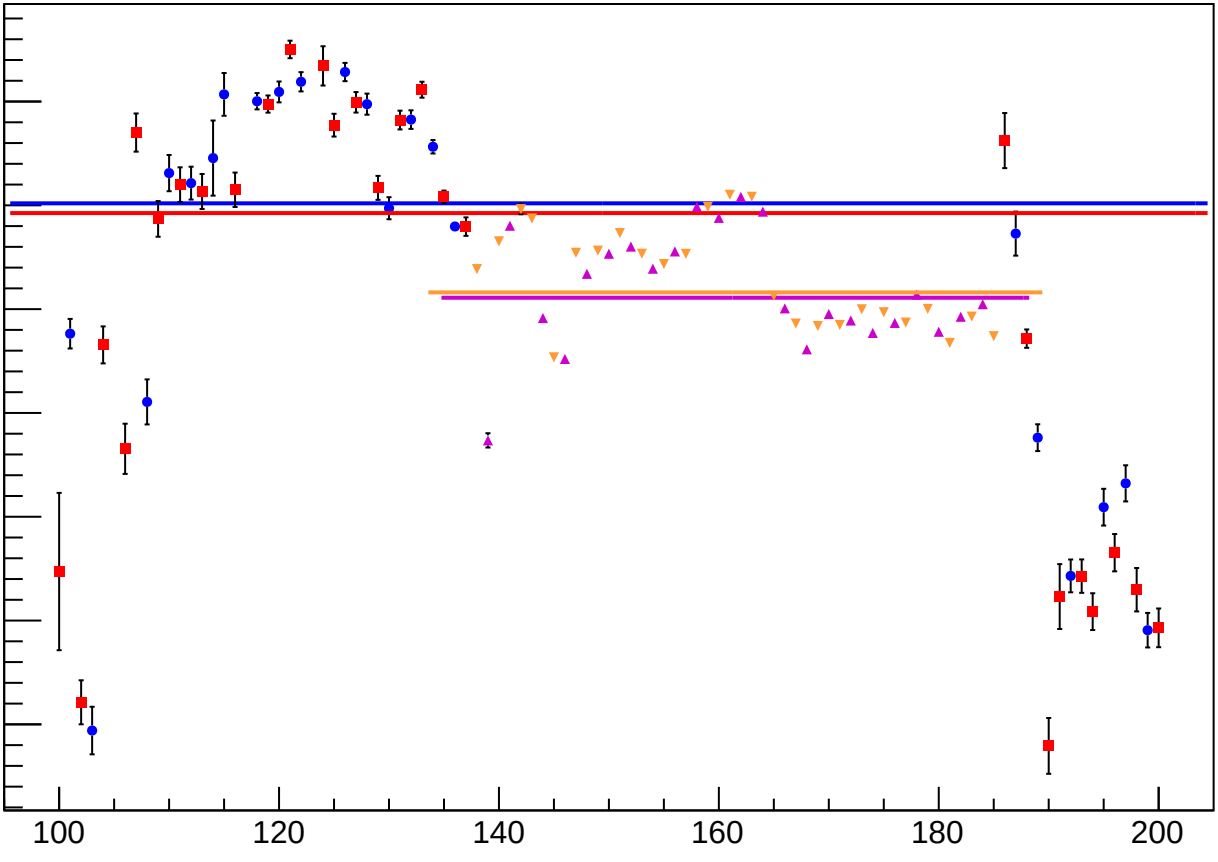
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.330+/-0.065 χ^2/NDF: 15220.9/46

All: 23.264+/-0.046 χ^2/NDF: 30186.0/97

- sign 23.197+/-0.066 χ^2/NDF: 14963.0/50

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 50.194+/-0.225 χ^2/NDF: 3526.9/21

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 49.254+/-0.233 χ^2/NDF: 4503.3/27

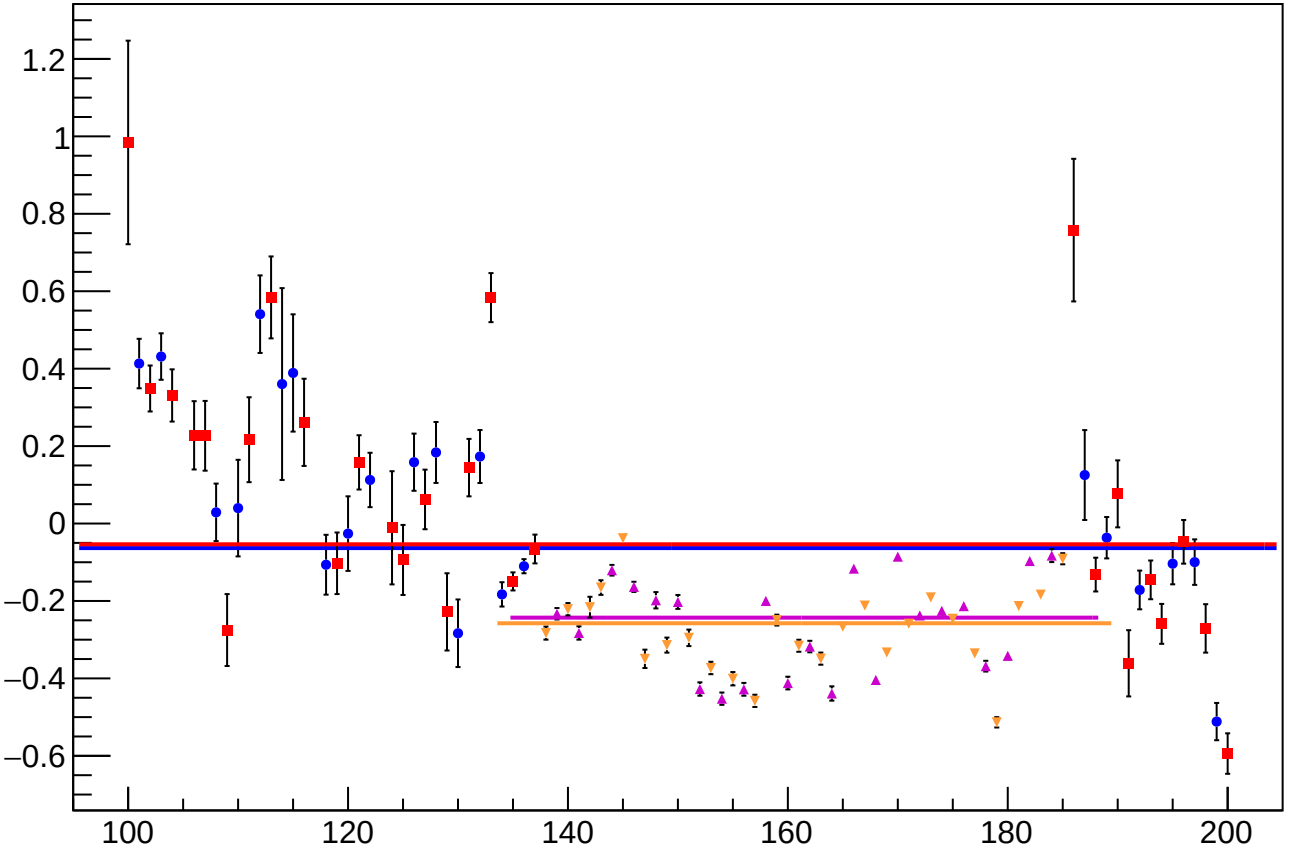
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.205+/-0.059 χ^2/NDF: 10656.0/46

All: 41.933+/-0.042 χ^2/NDF: 21824.0/97

- sign 41.648+/-0.061 χ^2/NDF: 11124.7/50

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.063+/-0.011 χ^2/NDF: 334.1/21

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.054+/-0.012 χ^2/NDF: 486.2/27

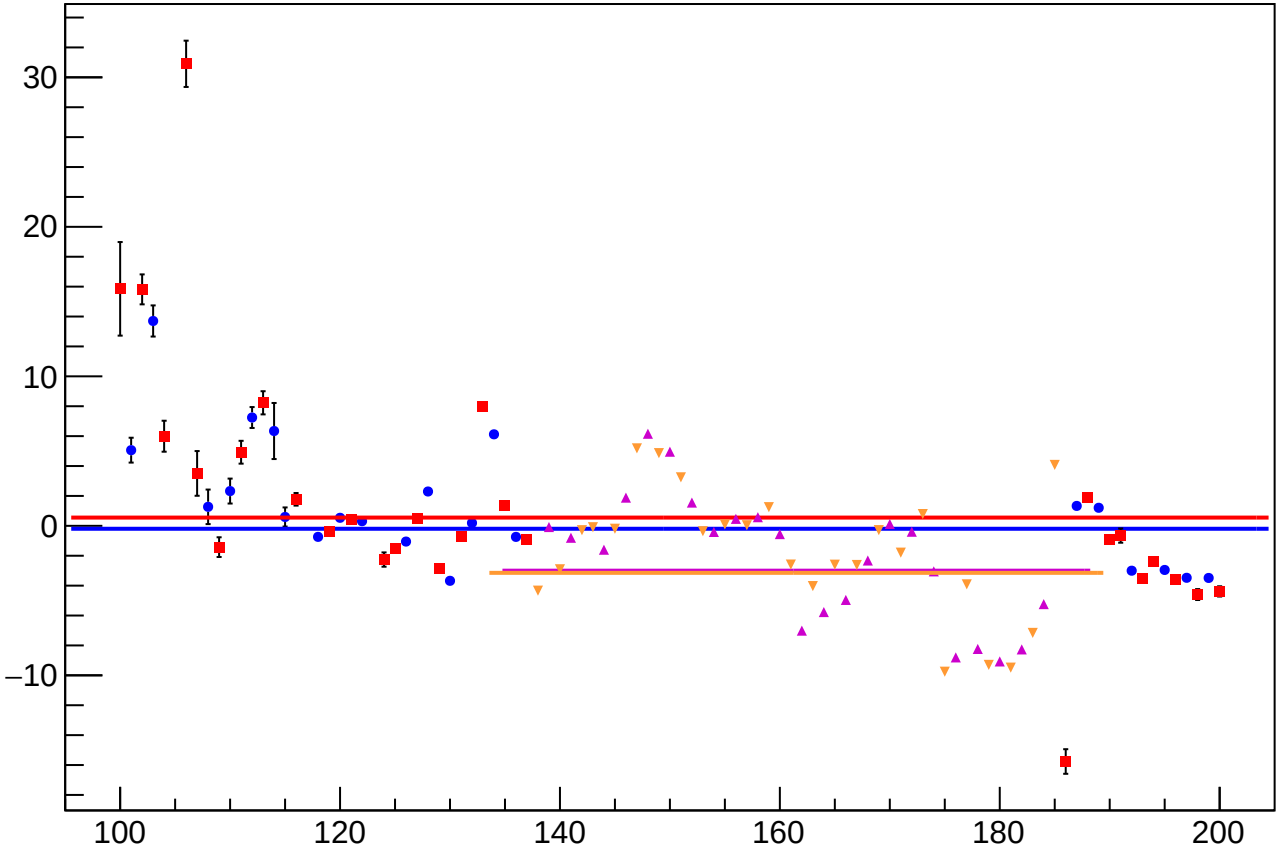
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2133.9/46

All: -0.240+/-0.002 χ^2/NDF: 4699.0/97

- sign -0.233+/-0.003 χ^2/NDF: 2551.4/50

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.196+/-0.064 χ^2/NDF: 1635.4/21

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.552+/-0.058 χ^2/NDF: 4009.6/27

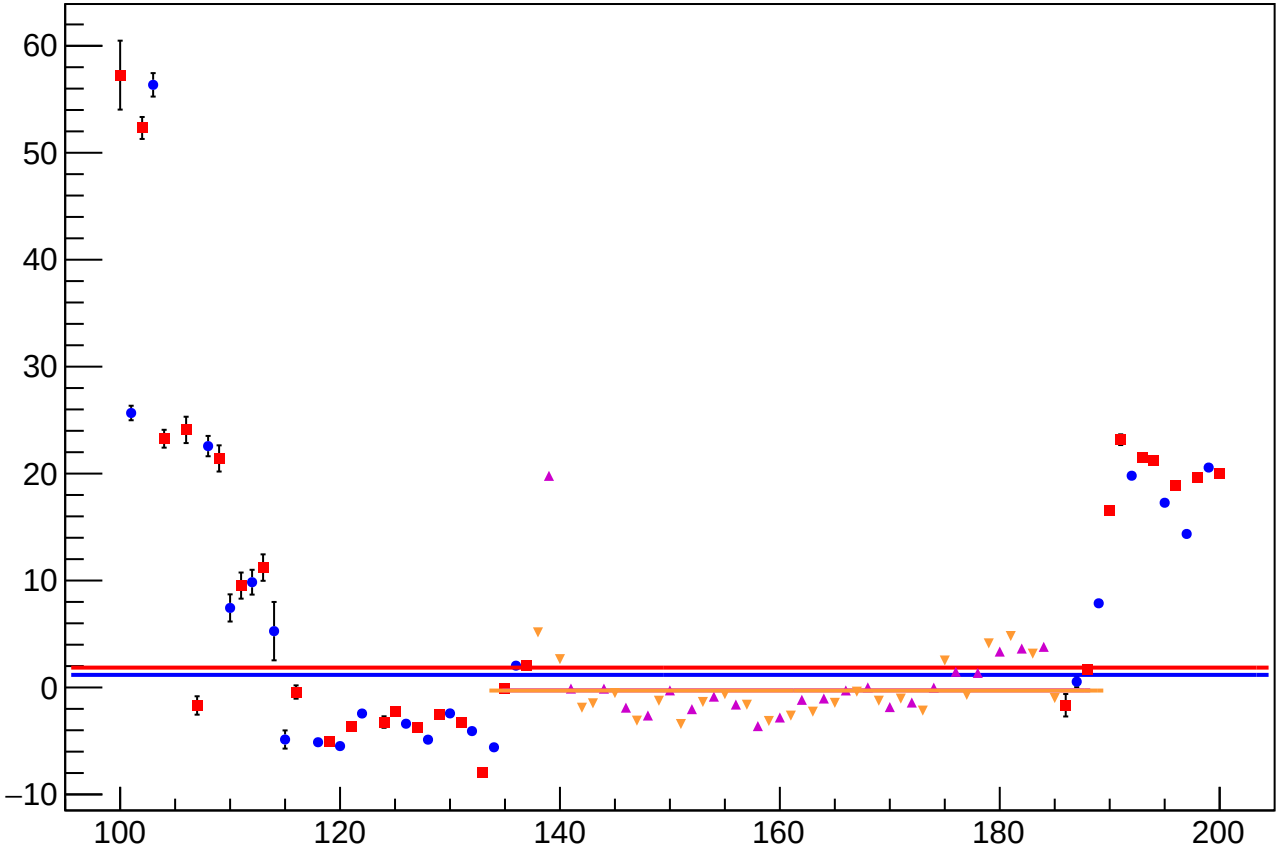
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.682+/-0.025 χ^2/NDF: 28767.9/46

All: -2.495+/-0.018 χ^2/NDF: 58347.7/97

- sign -2.306+/-0.026 χ^2/NDF: 29471.6/50

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 1.178+/-0.062 χ^2/NDF: 22447.4/21

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 1.858+/-0.059 χ^2/NDF: 32595.0/27

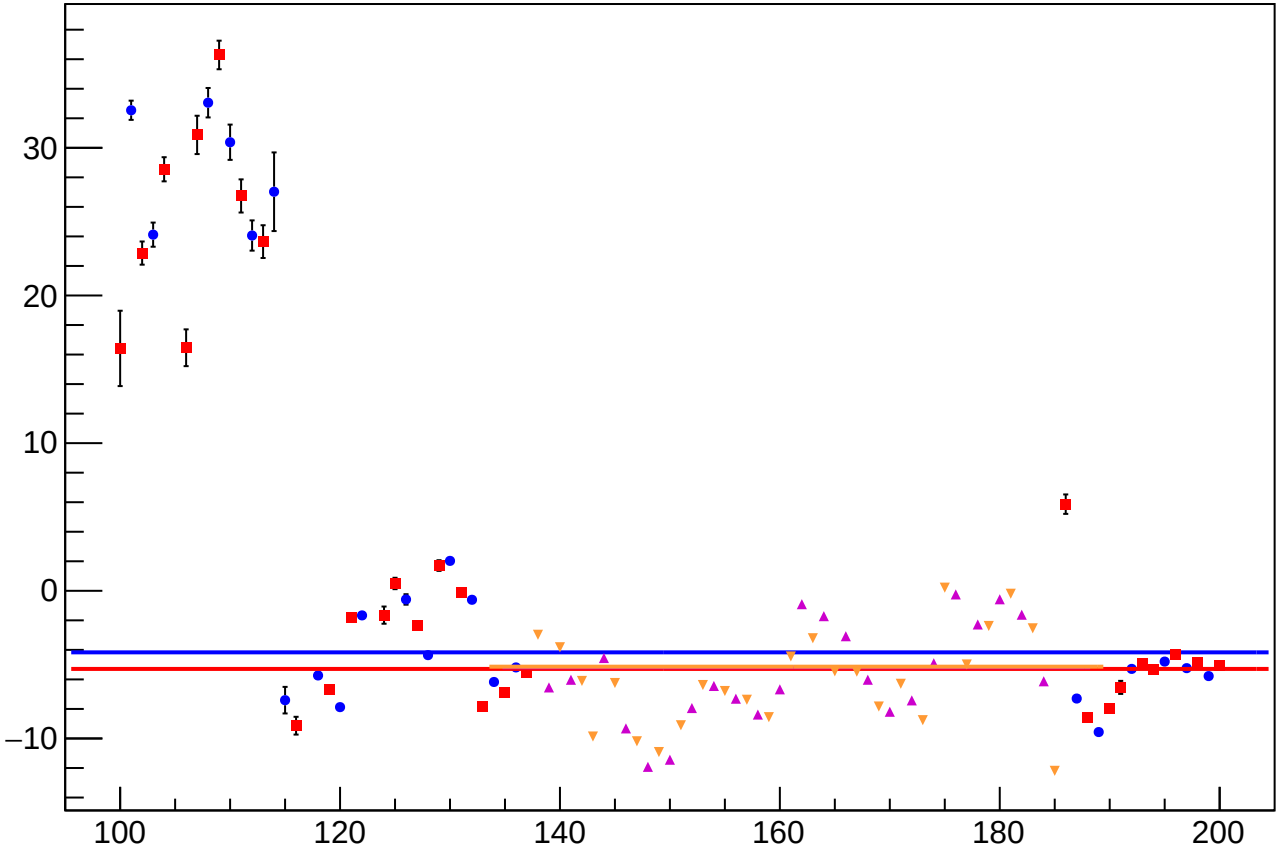
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

\+ sign -0.127+/-0.021 χ^2/NDF: 35139.9/46

All: -0.065+/-0.015 χ^2/NDF: 82130.1/97

\- sign -0.001+/-0.021 χ^2/NDF: 46971.6/50

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.168+/-0.064 χ^2/NDF: 9376.3/21

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.290+/-0.055 χ^2/NDF: 10479.9/27

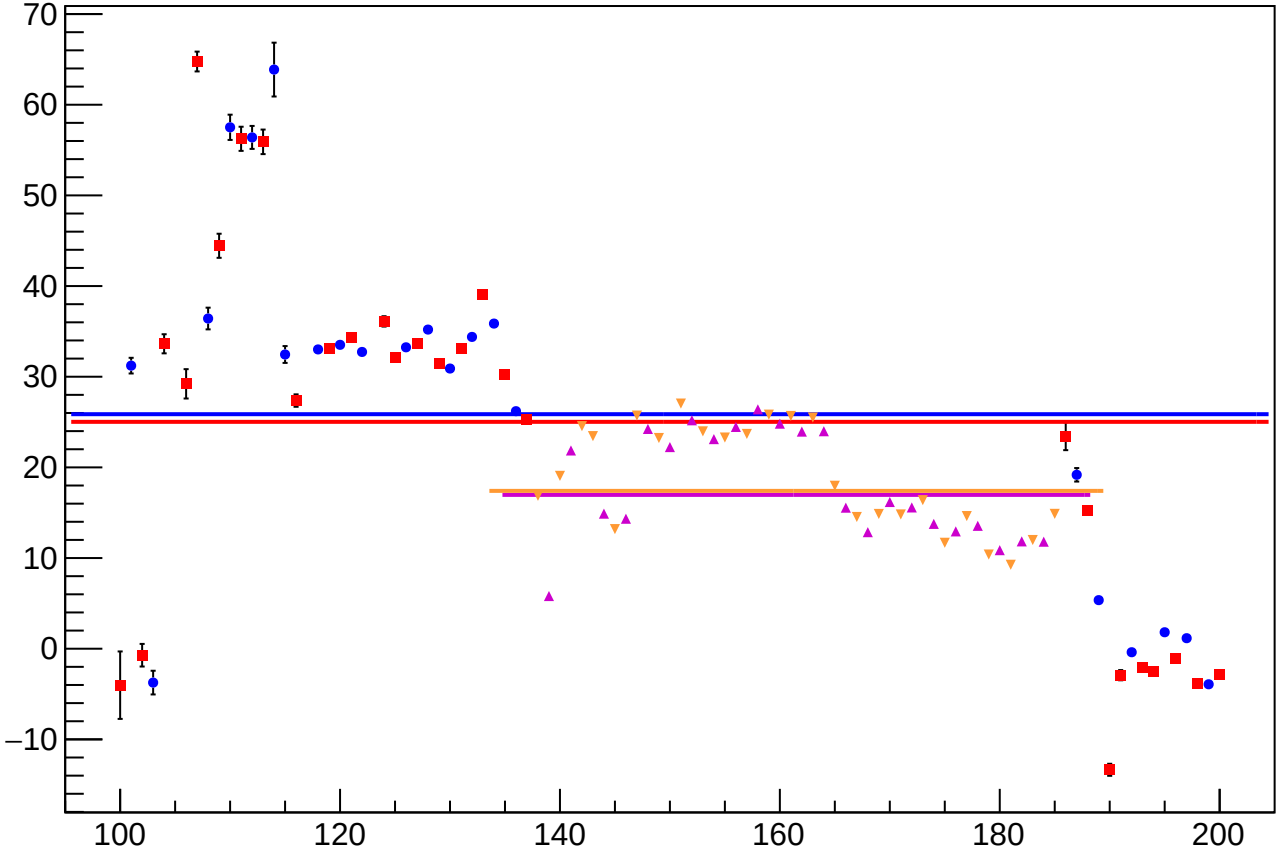
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.984+/-0.025 χ^2/NDF: 24195.6/46

All: -5.093+/-0.018 χ^2/NDF: 48679.0/97

- sign -5.201+/-0.025 χ^2/NDF: 24446.9/50

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.867+/-0.073 χ^2/NDF: 32553.1/21

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 25.024+/-0.069 χ^2/NDF: 50462.9/27

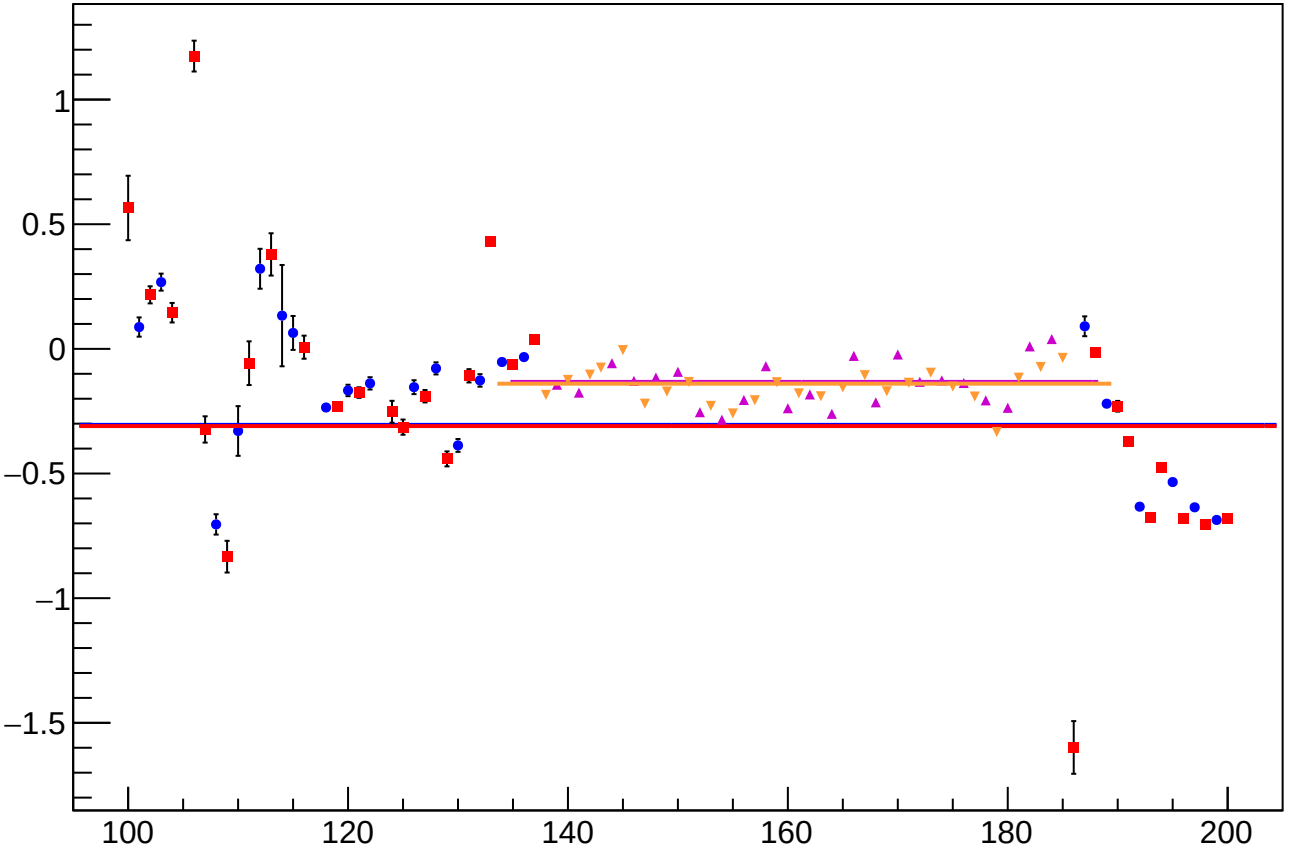
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.271+/-0.023 χ^2/NDF: 95380.4/46

All: 18.085+/-0.017 χ^2/NDF: 197852.1/97

\- sign 17.894+/-0.024 χ^2/NDF: 102341.4/50

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.305+/-0.004 χ^2/NDF: 6263.2/21

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.310+/-0.003 χ^2/NDF: 10630.0/27

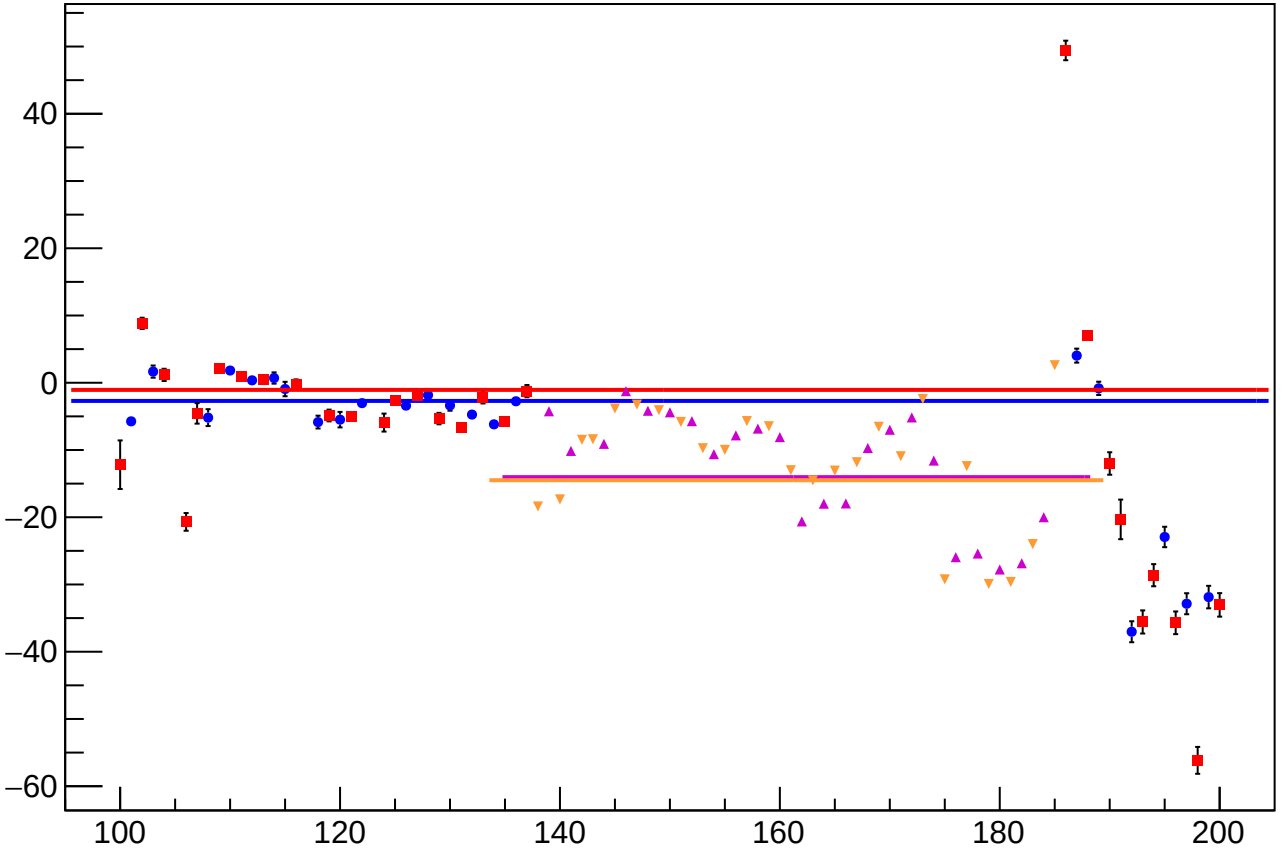
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.154+/-0.001 χ^2/NDF: 12374.9/46

All: -0.152+/-0.001 χ^2/NDF: 31131.1/97

- sign -0.150+/-0.001 χ^2/NDF: 18750.4/50

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.702+/-0.151 χ^2/NDF: 1716.5/21

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.060+/-0.139 χ^2/NDF: 4461.4/27

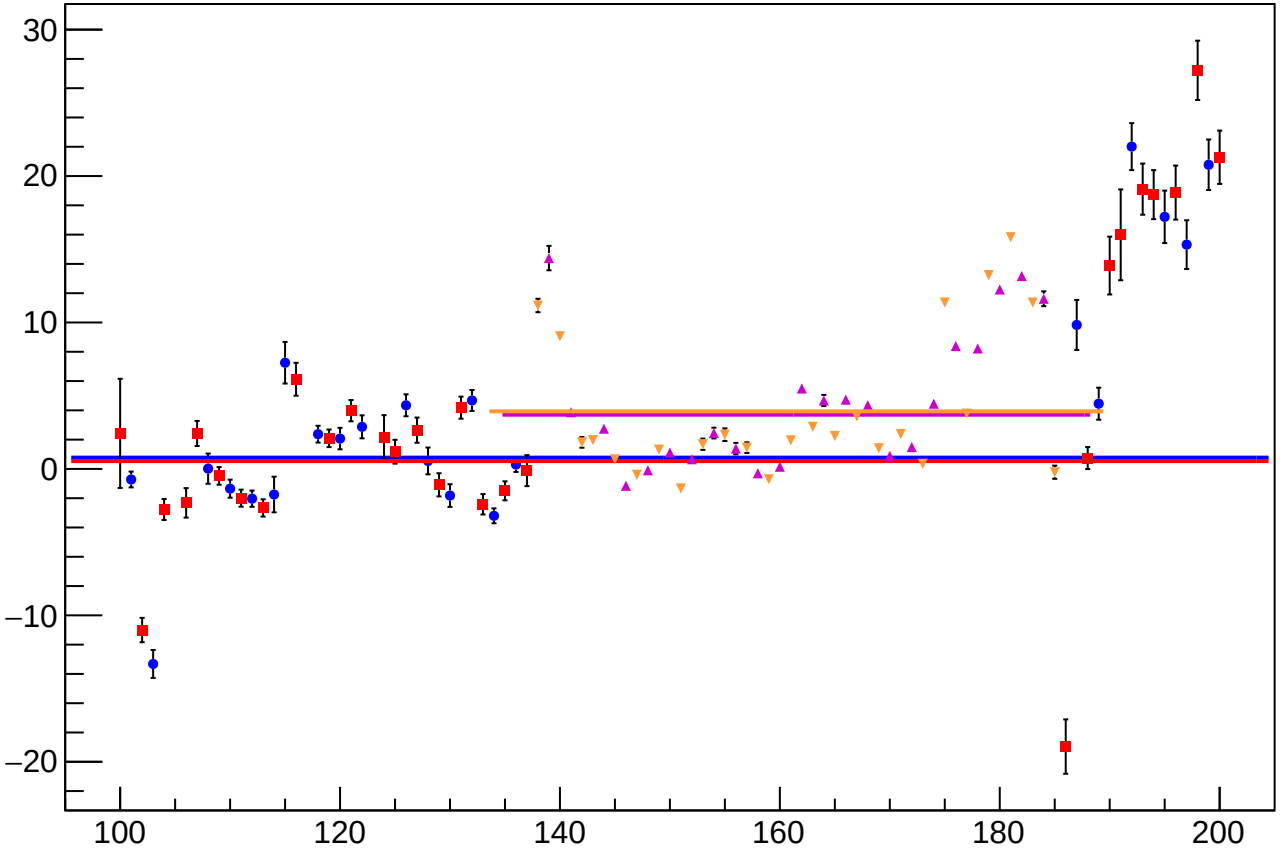
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.164+/-0.067 χ^2/NDF: 23865.2/46

All: -11.589+/-0.047 χ^2/NDF: 48617.8/97

- sign -11.010+/-0.067 χ^2/NDF: 24604.6/50

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.770+/-0.167 χ^2/NDF: 943.0/21

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.536+/-0.167 χ^2/NDF: 1209.3/27

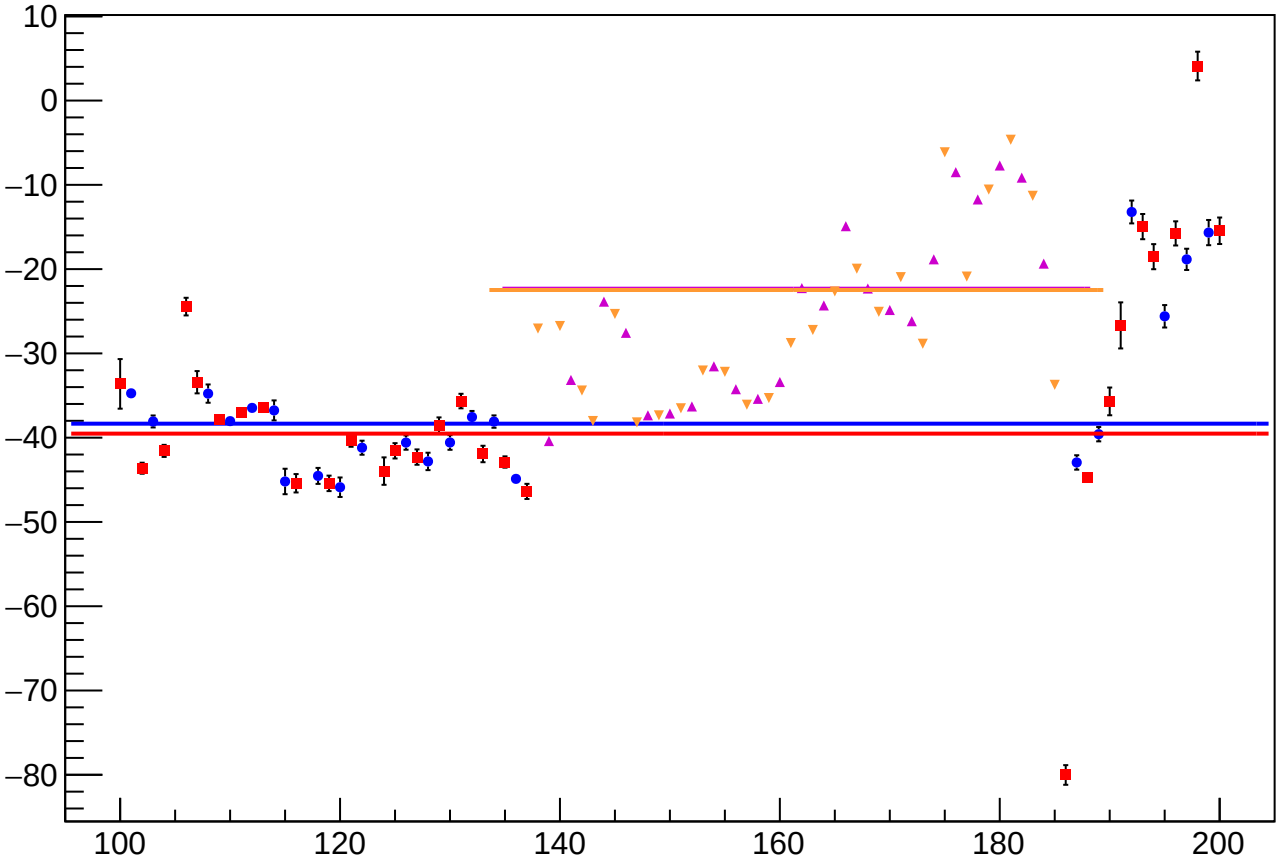
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.591+/-0.055 χ^2/NDF: 8243.2/46

All: 3.473+/-0.039 χ^2/NDF: 14569.5/97

- sign 3.349+/-0.056 χ^2/NDF: 6316.7/50

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.339+/-0.167 χ^2/NDF: 1384.5/21

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.520+/-0.159 χ^2/NDF: 3571.0/27

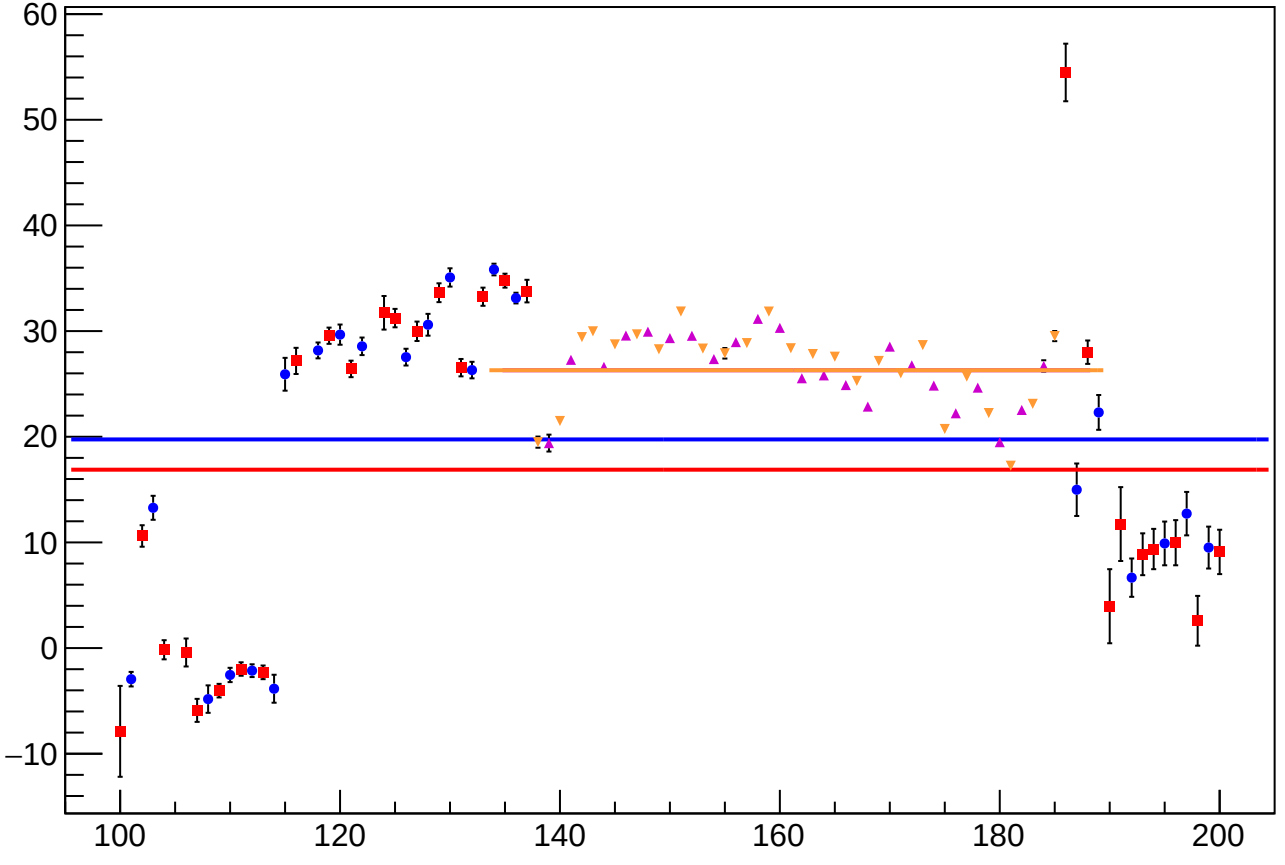
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.119+/-0.068 χ^2/NDF: 29291.6/46

All: -25.330+/-0.049 χ^2/NDF: 59470.6/97

\- sign -25.546+/-0.069 χ^2/NDF: 30159.7/50

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.747+/-0.189 χ^2/NDF: 6807.7/21

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.883+/-0.191 χ^2/NDF: 7139.2/27

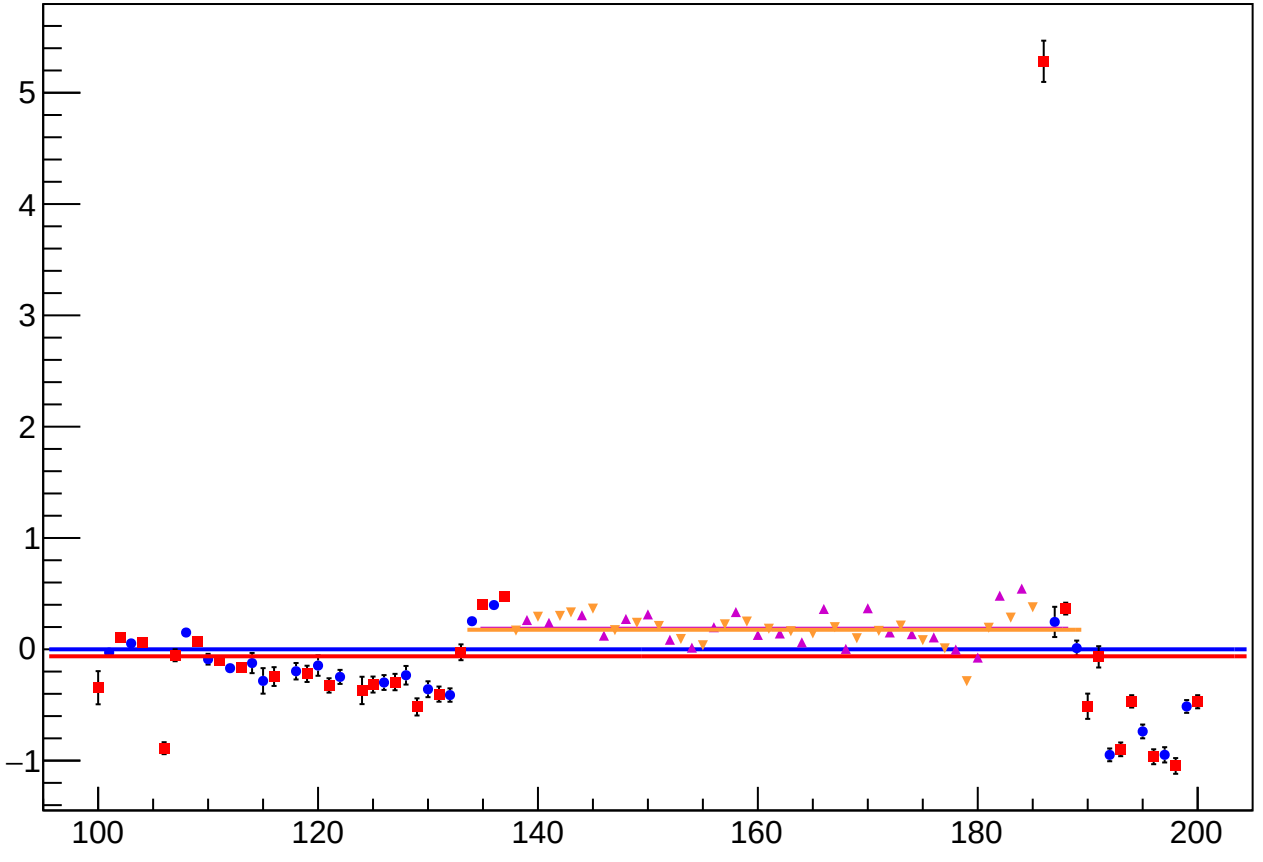
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

\+ sign 25.603+/-0.062 χ^2/NDF: 11186.8/46

All: 25.442+/-0.044 χ^2/NDF: 22684.6/97

\- sign 25.273+/-0.063 χ^2/NDF: 11483.7/50

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.000+/-0.010 χ^2/NDF: 1325.4/21

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

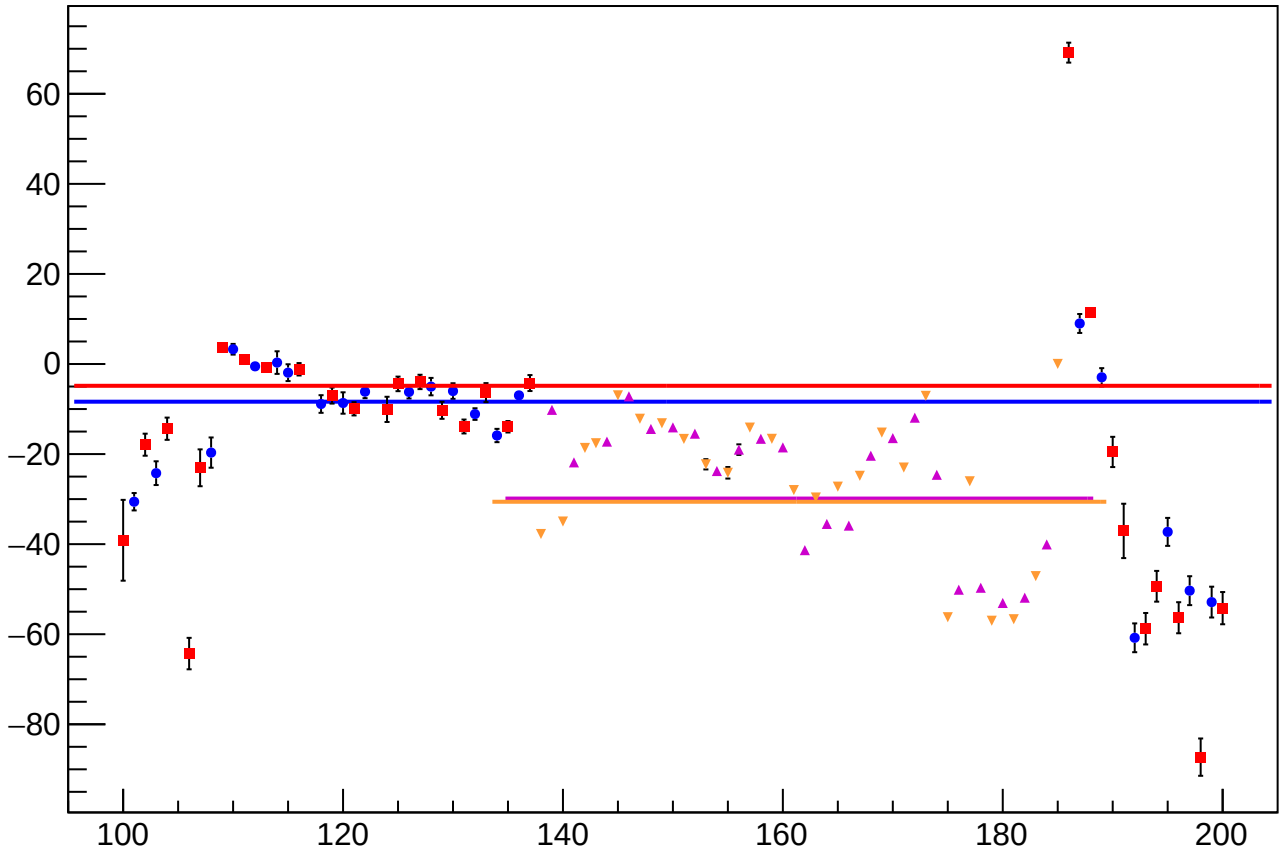
Right Out: -0.063+/-0.010 χ^2/NDF: 2452.9/27

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.161+/-0.003 χ^2/NDF: 3560.7/46

All: 0.163+/-0.002 χ^2/NDF: 9122.9/97

- sign 0.165+/-0.003 χ^2/NDF: 5561.5/50



Right In: -8.369+/-0.355 χ^2/NDF: 1177.0/21

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

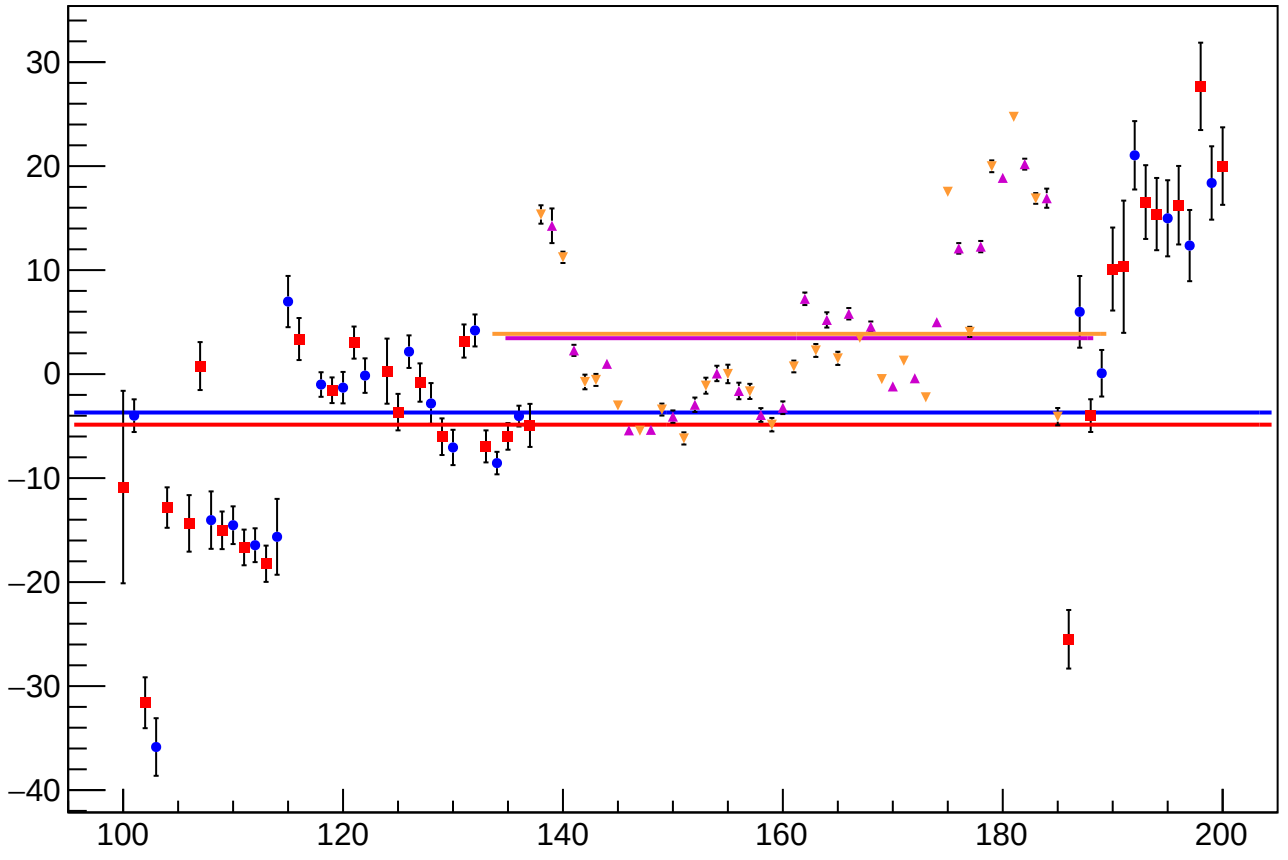
Right Out: -4.838+/-0.336 χ^2/NDF: 3202.6/27

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.515+/-0.132 χ^2/NDF: 20601.3/46

All: -26.716+/-0.094 χ^2/NDF: 40584.1/97

- sign -25.890+/-0.134 χ^2/NDF: 19908.1/50



Right In: -3.693+/-0.378 χ^2/NDF: 507.2/21

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.861+/-0.385 χ^2/NDF: 658.9/27

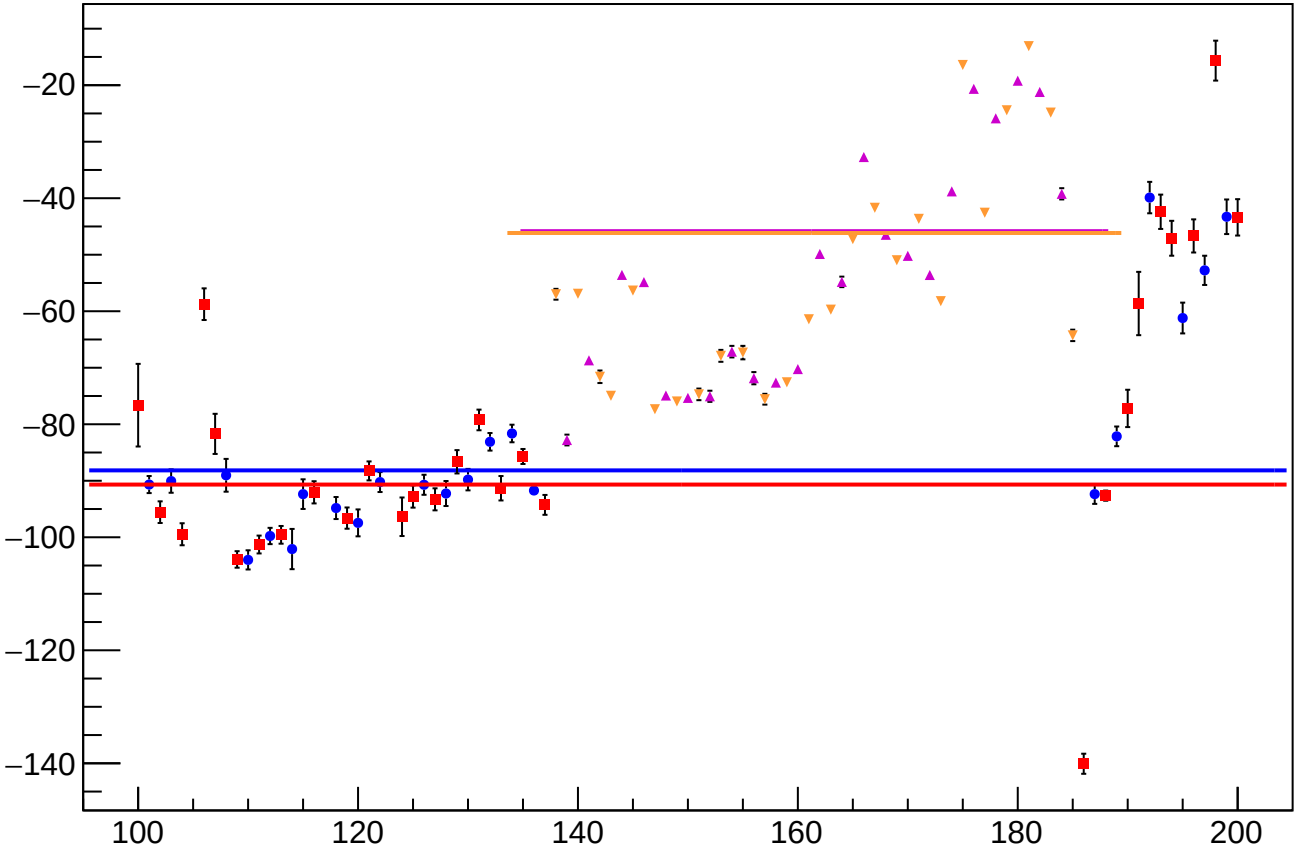
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.269+/-0.107 χ^2/NDF: 7418.8/46

All: 3.033+/-0.076 χ^2/NDF: 13210.2/97

- sign 2.787+/-0.109 χ^2/NDF: 5781.4/50

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -88.163+/-0.385 χ^2/NDF: 1072.7/21

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -90.674+/-0.368 χ^2/NDF: 2576.8/27

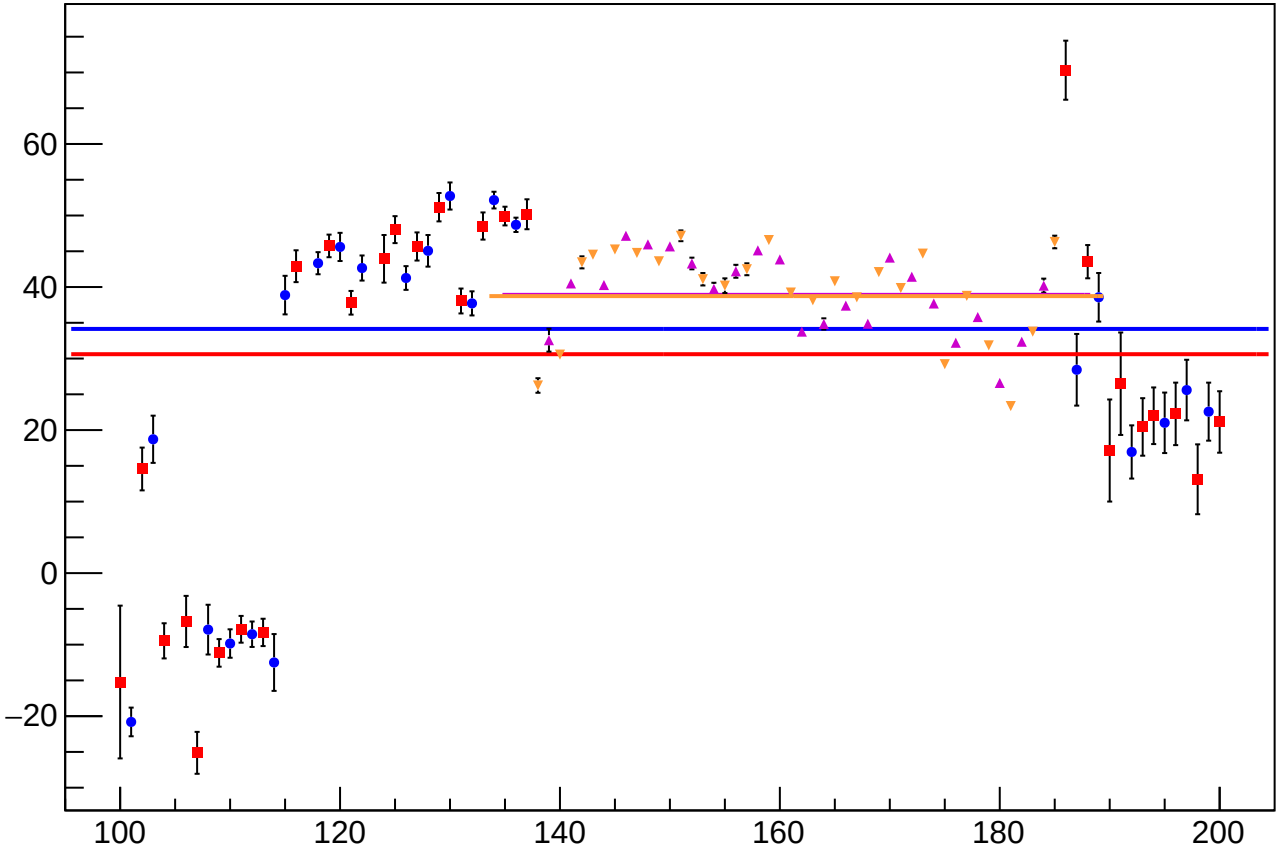
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

\+ sign -51.208+/-0.134 χ^2/NDF: 33000.6/46

All: -51.559+/-0.095 χ^2/NDF: 66322.3/97

\- sign -51.922+/-0.136 χ^2/NDF: 33307.6/50

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.143+/-0.427 χ^2/NDF: 2857.1/21

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.609+/-0.441 χ^2/NDF: 3071.5/27

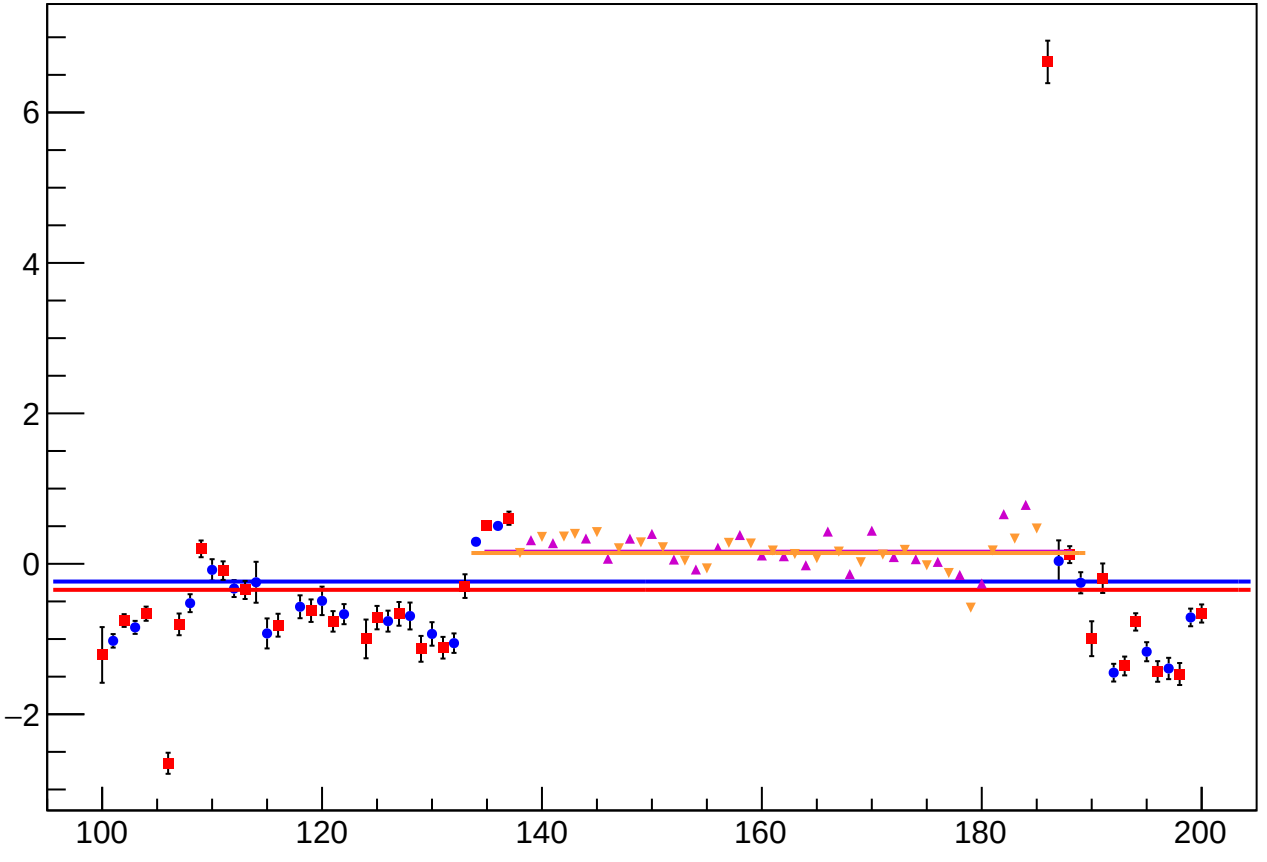
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.370+/-0.120 χ^2/NDF: 5745.3/46

All: 38.319+/-0.086 χ^2/NDF: 11115.3/97

- sign 38.266+/-0.122 χ^2/NDF: 5369.6/50

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.236+/-0.022 χ^2/NDF: 907.4/21

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

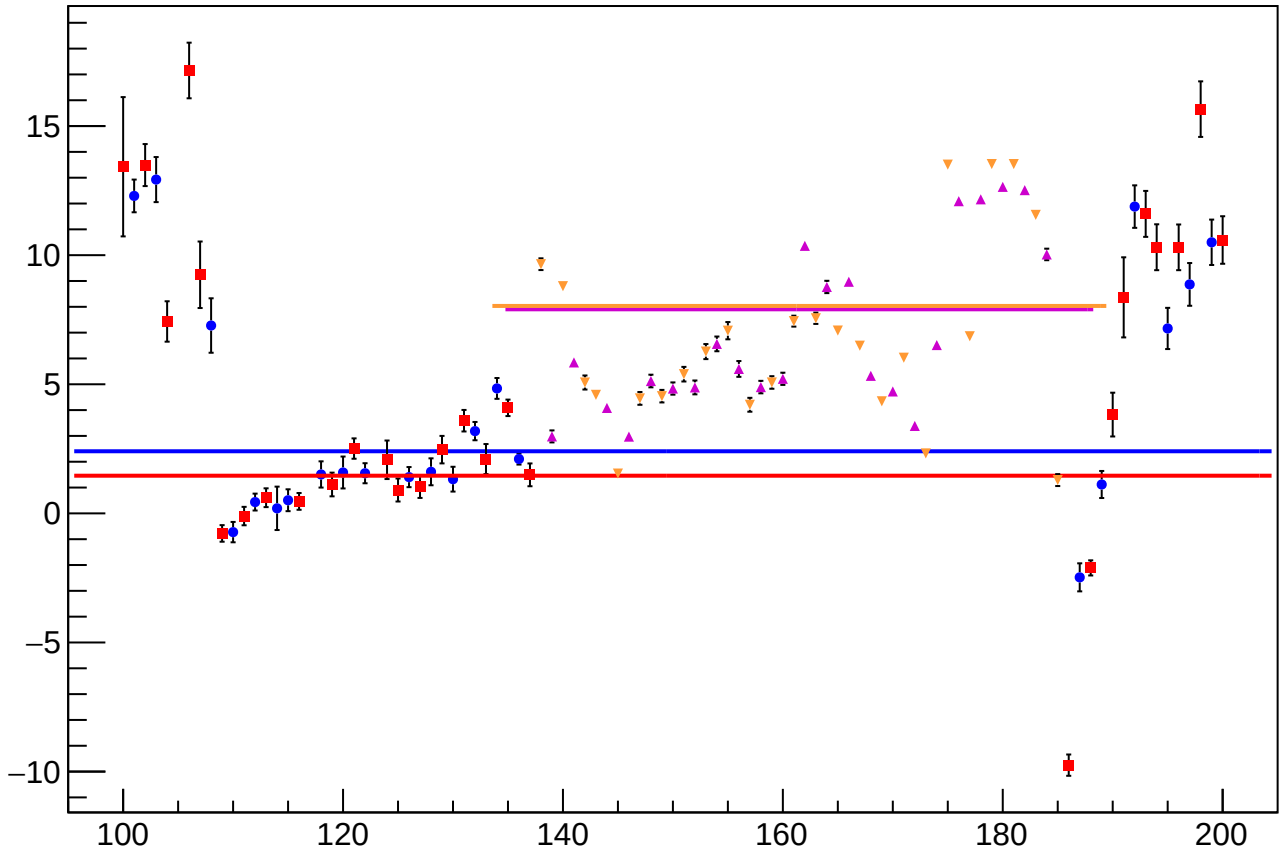
Right Out: -0.346+/-0.023 χ^2/NDF: 1681.6/27

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2628.1/46

All: 0.126+/-0.004 χ^2/NDF: 6687.9/97

- sign 0.132+/-0.006 χ^2/NDF: 4057.8/50



Right In: 2.405+/-0.098 χ^2/NDF: 1004.5/21

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

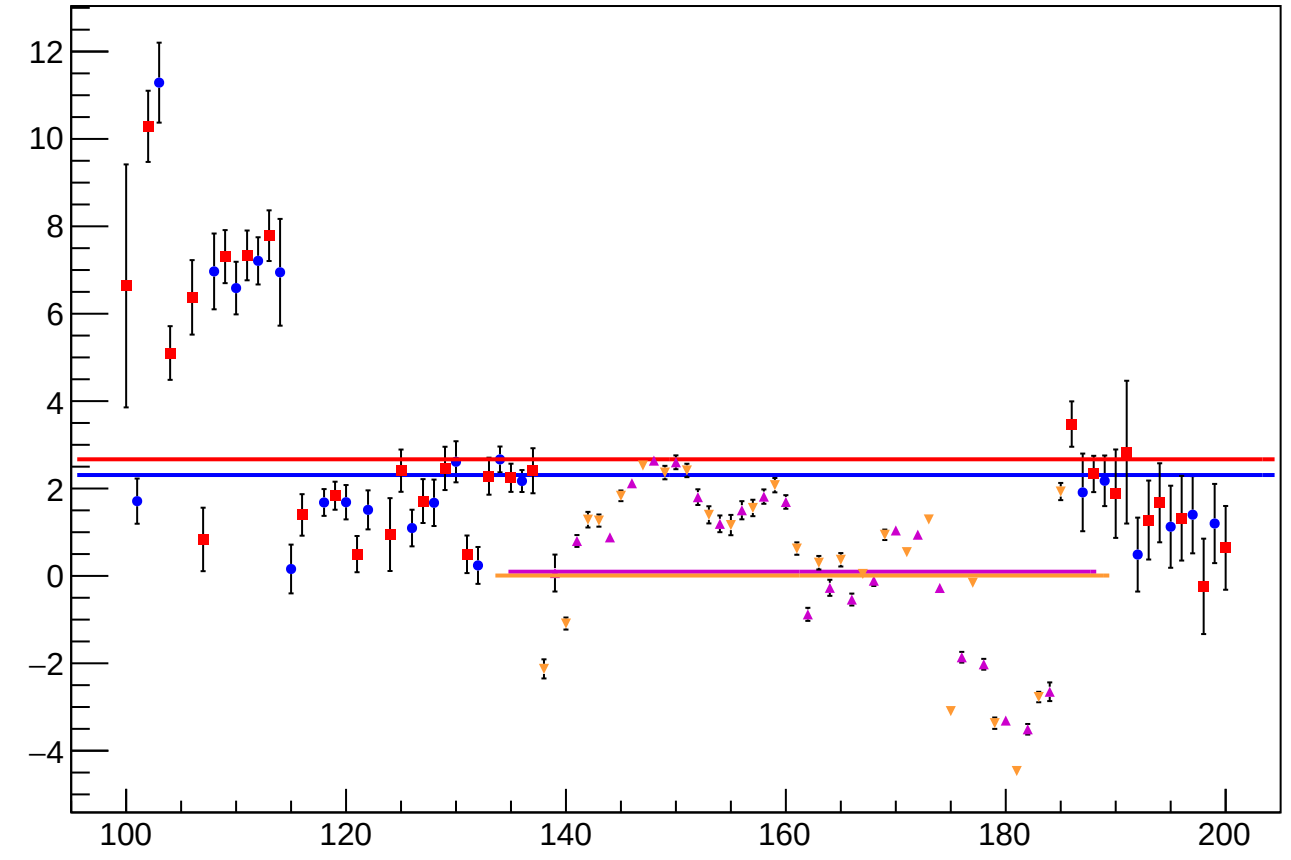
Right Out: 1.459+/-0.093 χ^2/NDF: 2253.1/27

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.409+/-0.033 χ^2/NDF: 17845.3/46

All: 7.245+/-0.023 χ^2/NDF: 34330.7/97

- sign 7.075+/-0.033 χ^2/NDF: 16434.3/50



Right In: 2.309+/-0.103 χ^2/NDF: 343.6/21

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.668+/-0.105 χ^2/NDF: 432.7/27

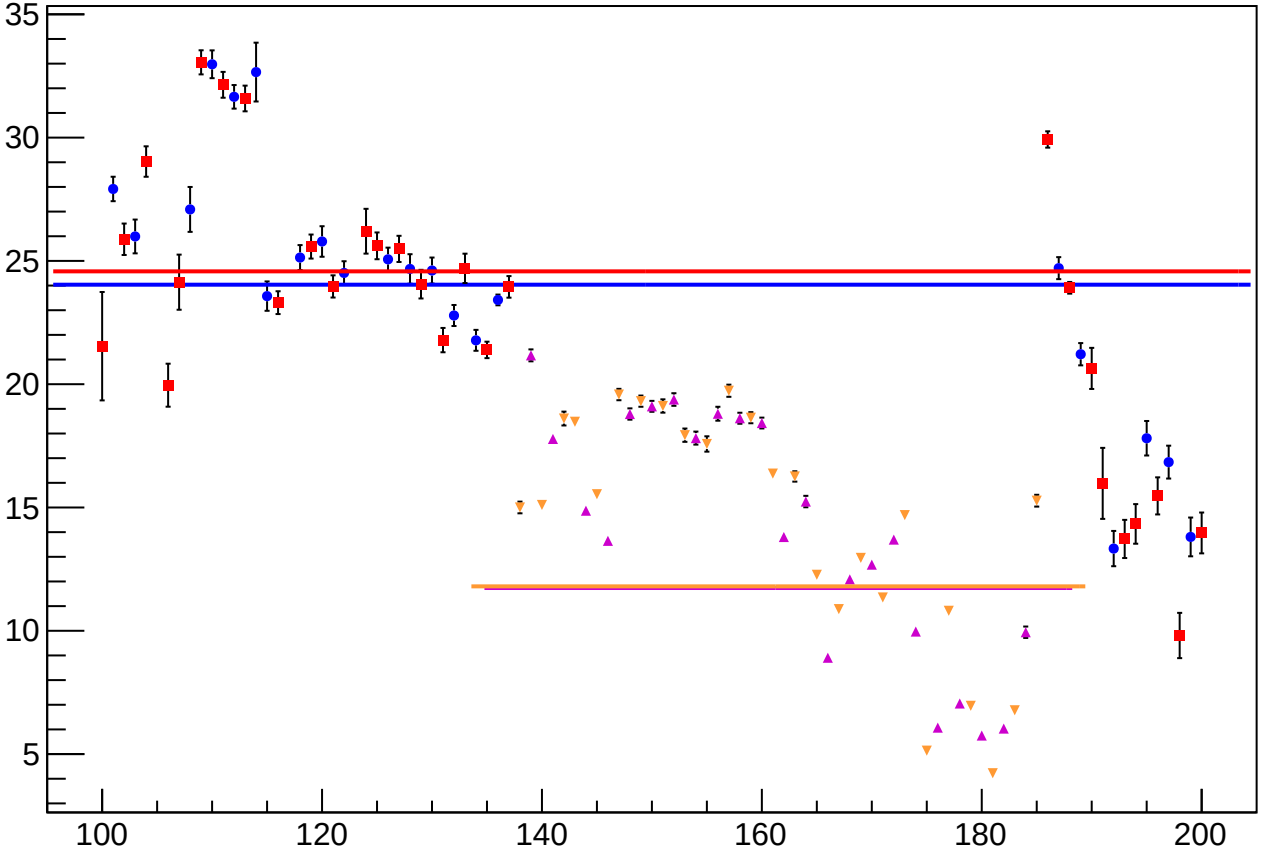
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.162+/-0.027 χ^2/NDF: 6571.3/46

All: 0.214+/-0.019 χ^2/NDF: 12005.5/97

- sign 0.268+/-0.027 χ^2/NDF: 5426.3/50

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.035+/-0.105 χ^2/NDF: 1334.4/21

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.576+/-0.099 χ^2/NDF: 2181.4/27

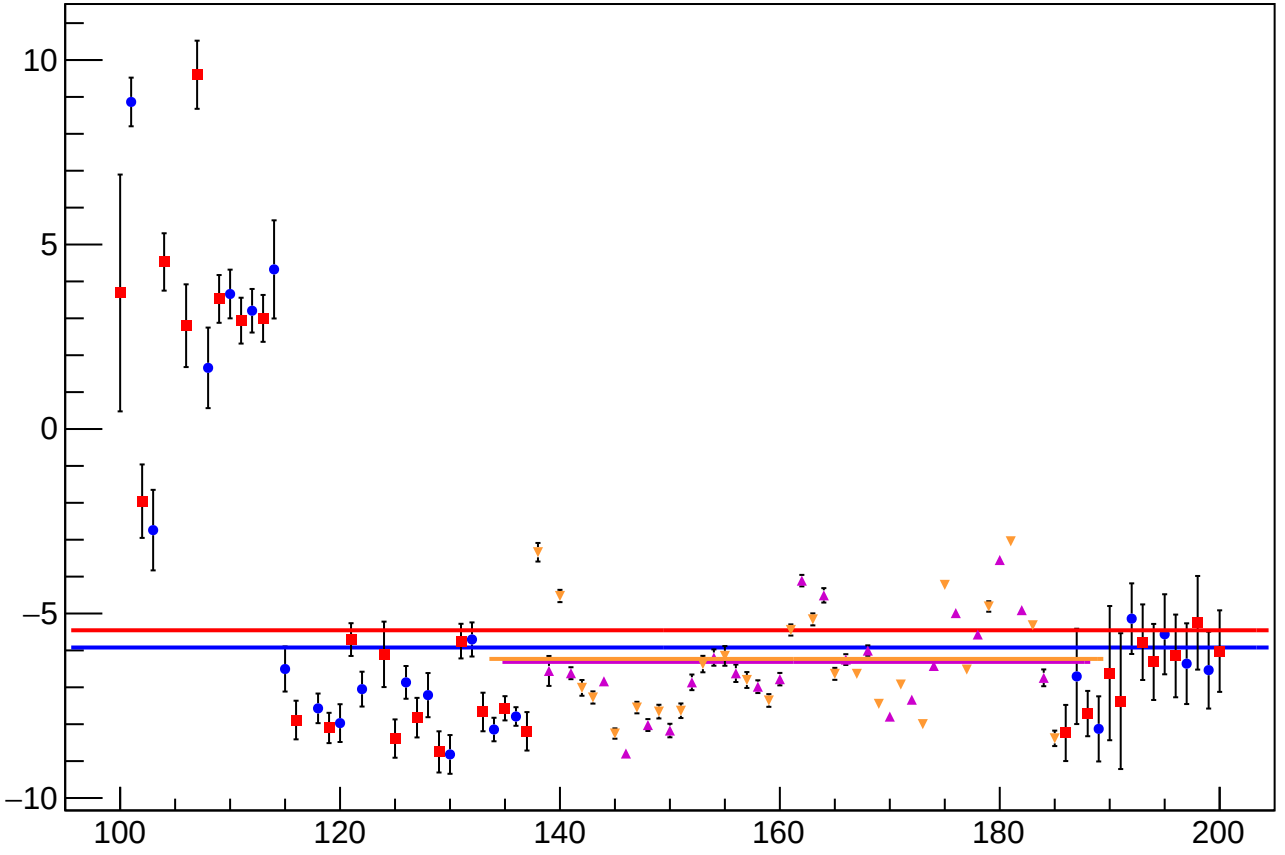
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.009+/-0.033 χ^2/NDF: 34977.5/46

All: 13.110+/-0.024 χ^2/NDF: 69993.1/97

- sign 13.214+/-0.034 χ^2/NDF: 34996.6/50

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.921+/-0.116 χ^2/NDF: 1259.4/21

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.454+/-0.121 χ^2/NDF: 1325.0/27

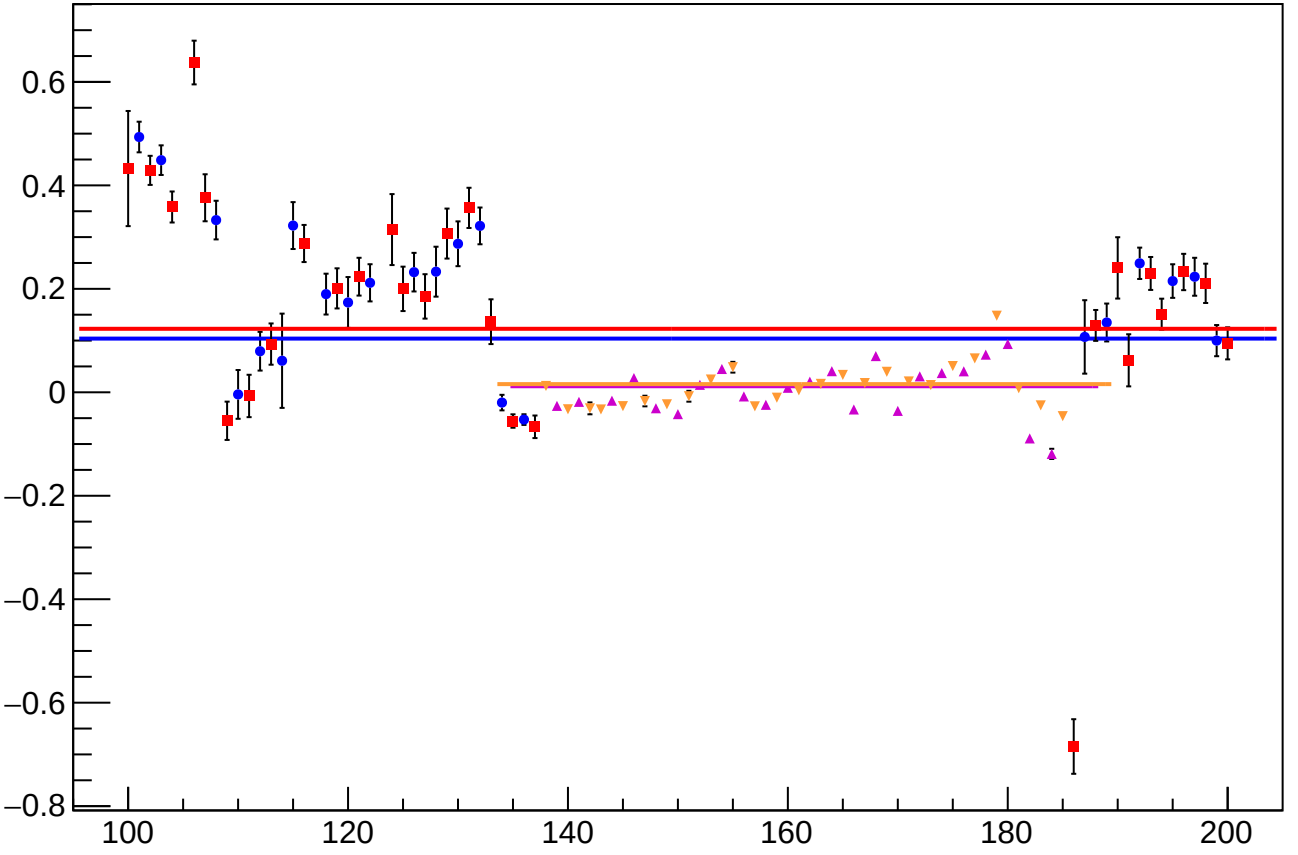
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.1/46

All: -6.233+/-0.021 χ^2/NDF: 7119.8/97

- sign -6.257+/-0.030 χ^2/NDF: 3402.4/50

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/21

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

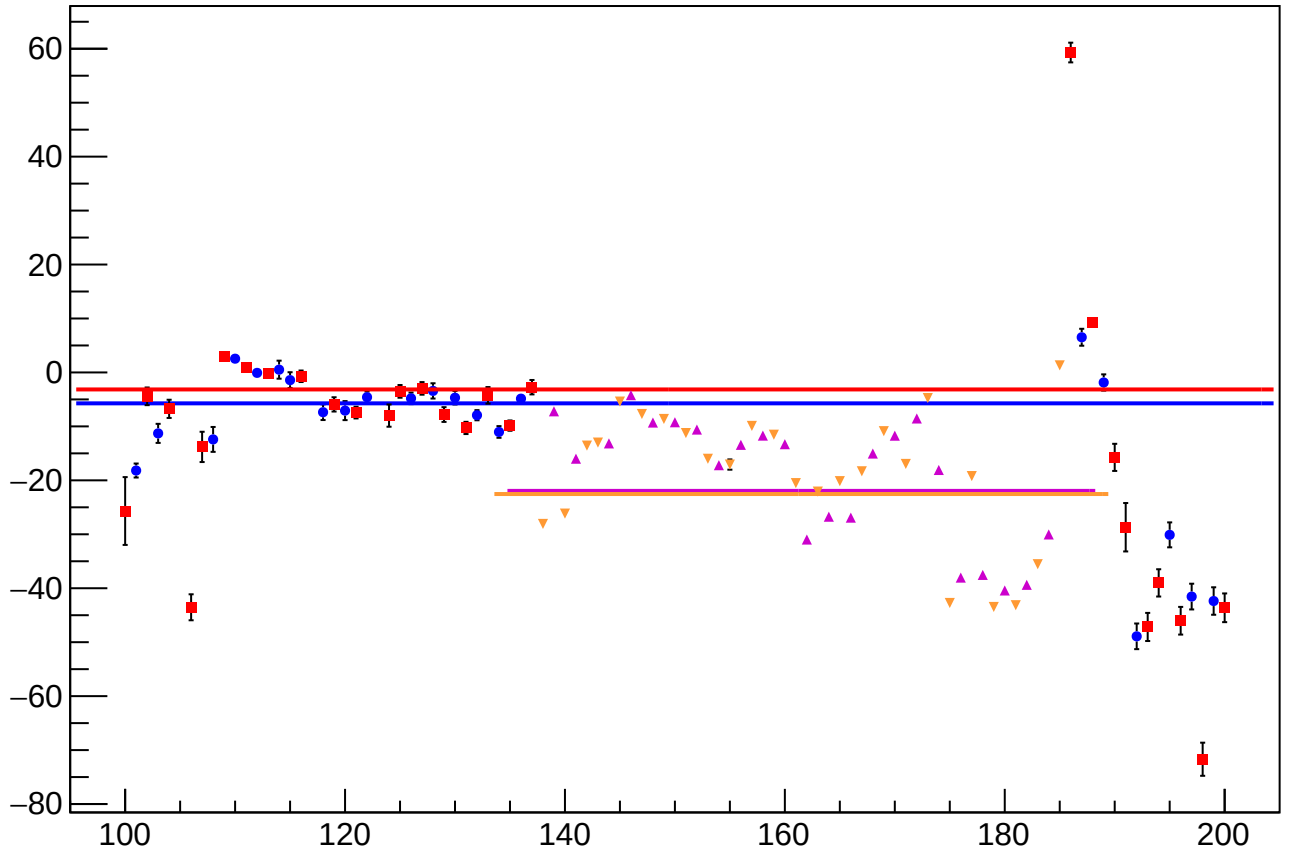
Right Out: 0.123+/-0.006 χ^2/NDF: 1030.1/27

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1958.5/46

All: 0.019+/-0.001 χ^2/NDF: 4587.4/97

- sign 0.017+/-0.001 χ^2/NDF: 2626.1/50



Right In: -5.729+/-0.255 χ^2/NDF: 1295.2/21

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.152+/-0.240 χ^2/NDF: 3533.0/27

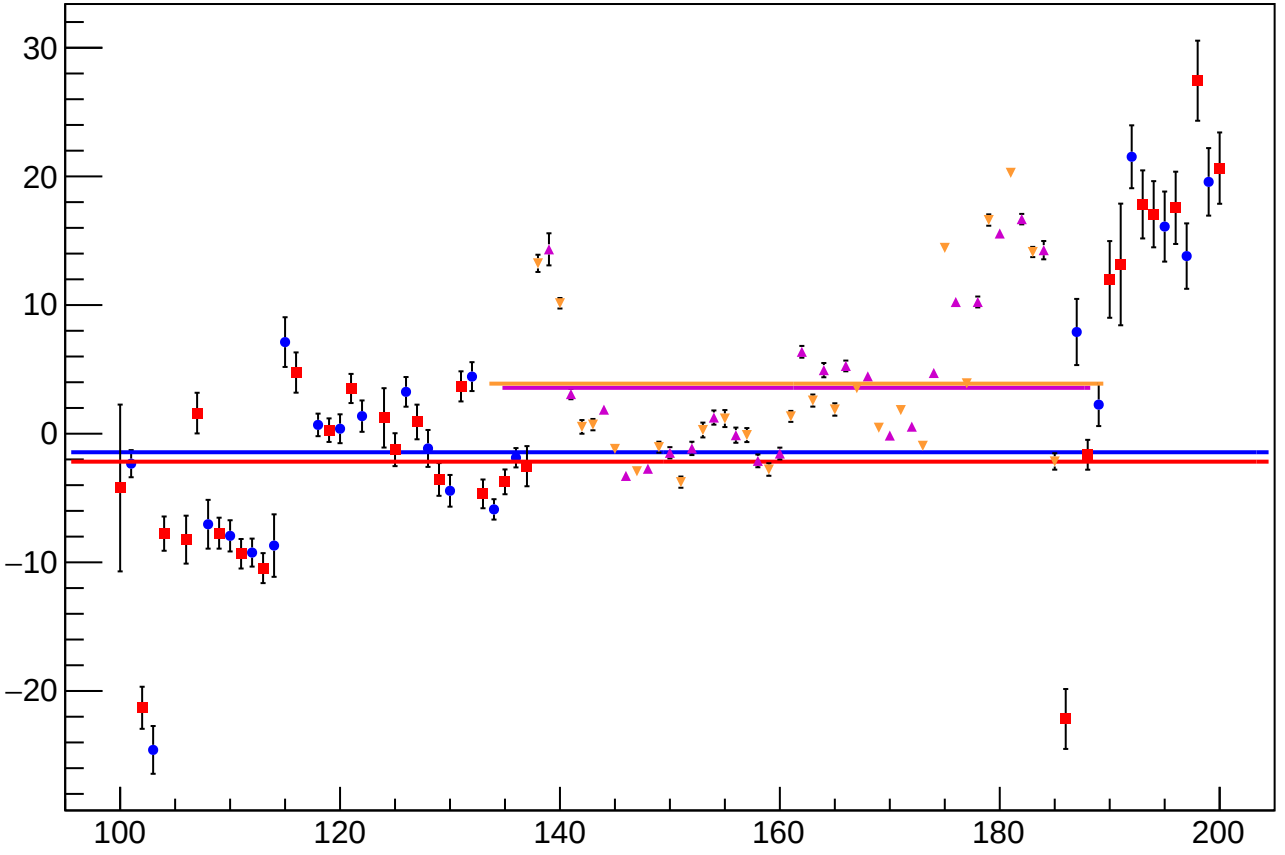
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.971+/-0.100 χ^2/NDF: 21527.2/46

All: -19.310+/-0.071 χ^2/NDF: 42797.4/97

- sign -18.630+/-0.101 χ^2/NDF: 21180.5/50

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.442+/-0.274 χ^2/NDF: 616.8/21

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

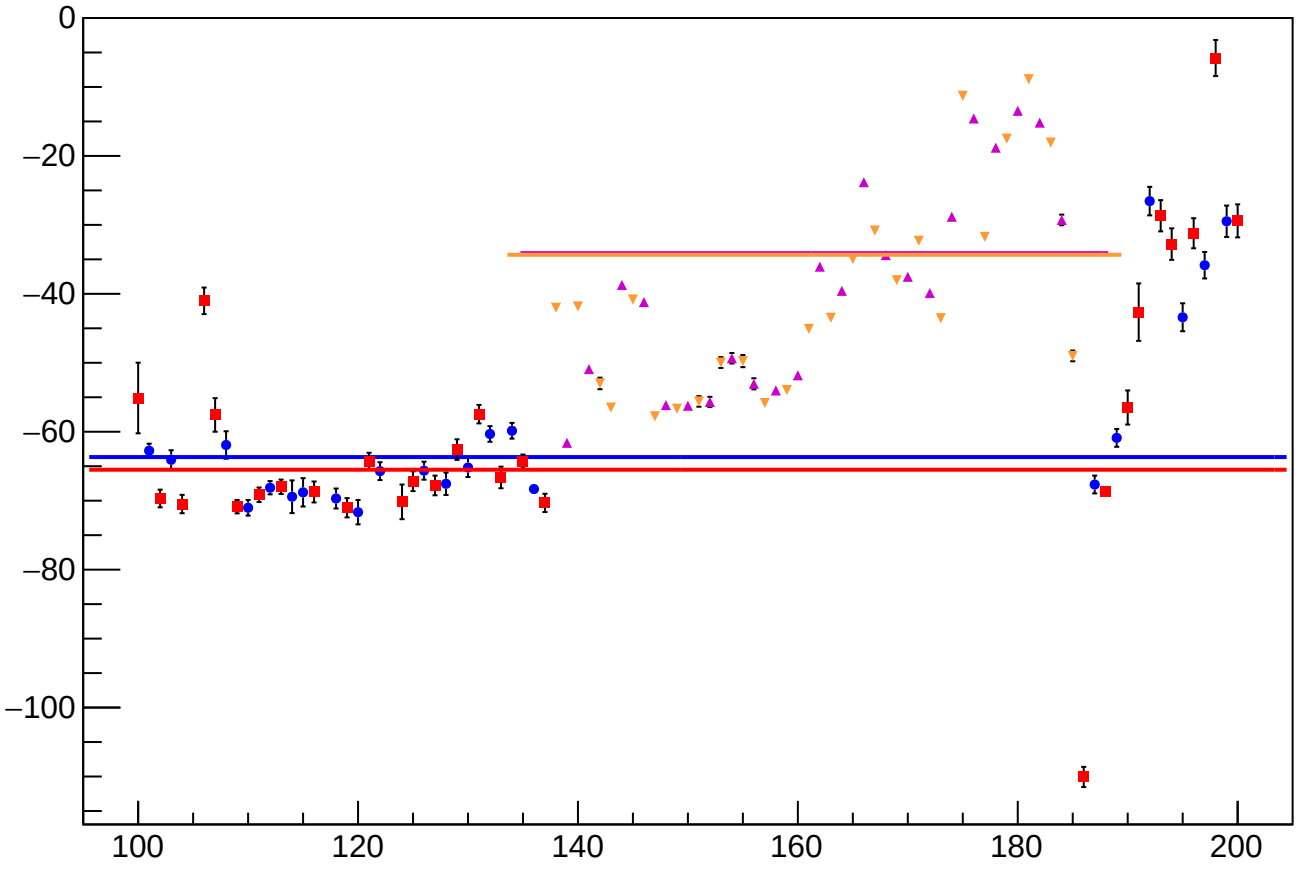
Right Out: -2.174+/-0.278 χ^2/NDF: 803.1/27

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

\+ sign 3.429+/-0.081 χ^2/NDF: 7688.0/46

All: 3.250+/-0.058 χ^2/NDF: 13629.6/97

\- sign 3.062+/-0.082 χ^2/NDF: 5931.4/50



Right In: -63.673+/-0.278 χ^2/NDF: 1068.7/21

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.508+/-0.266 χ^2/NDF: 2786.9/27

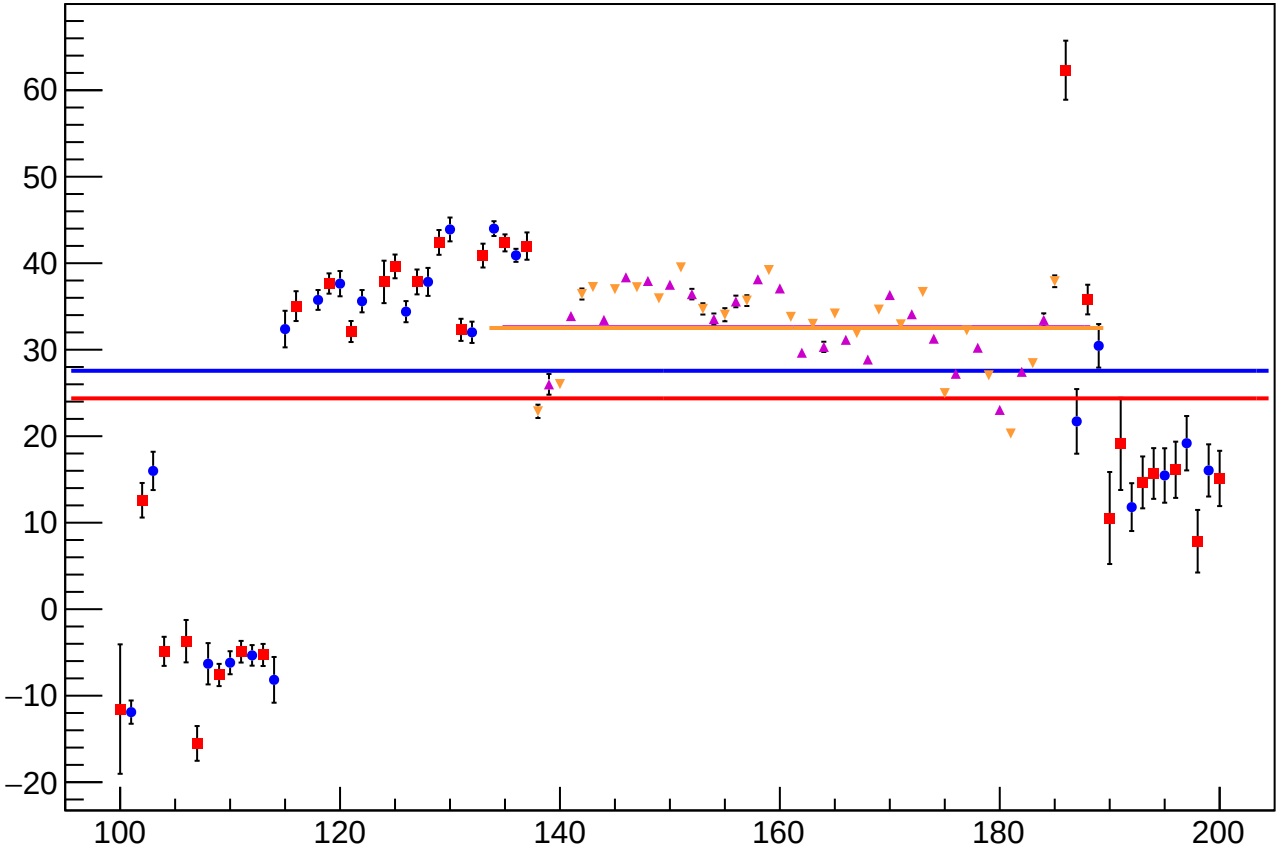
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.198+/-0.101 χ^2/NDF: 31939.3/46

All: -38.467+/-0.072 χ^2/NDF: 64341.6/97

- sign -38.744+/-0.102 χ^2/NDF: 32387.8/50

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.564+/-0.309 χ^2/NDF: 3803.4/21

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.373+/-0.318 χ^2/NDF: 4072.5/27

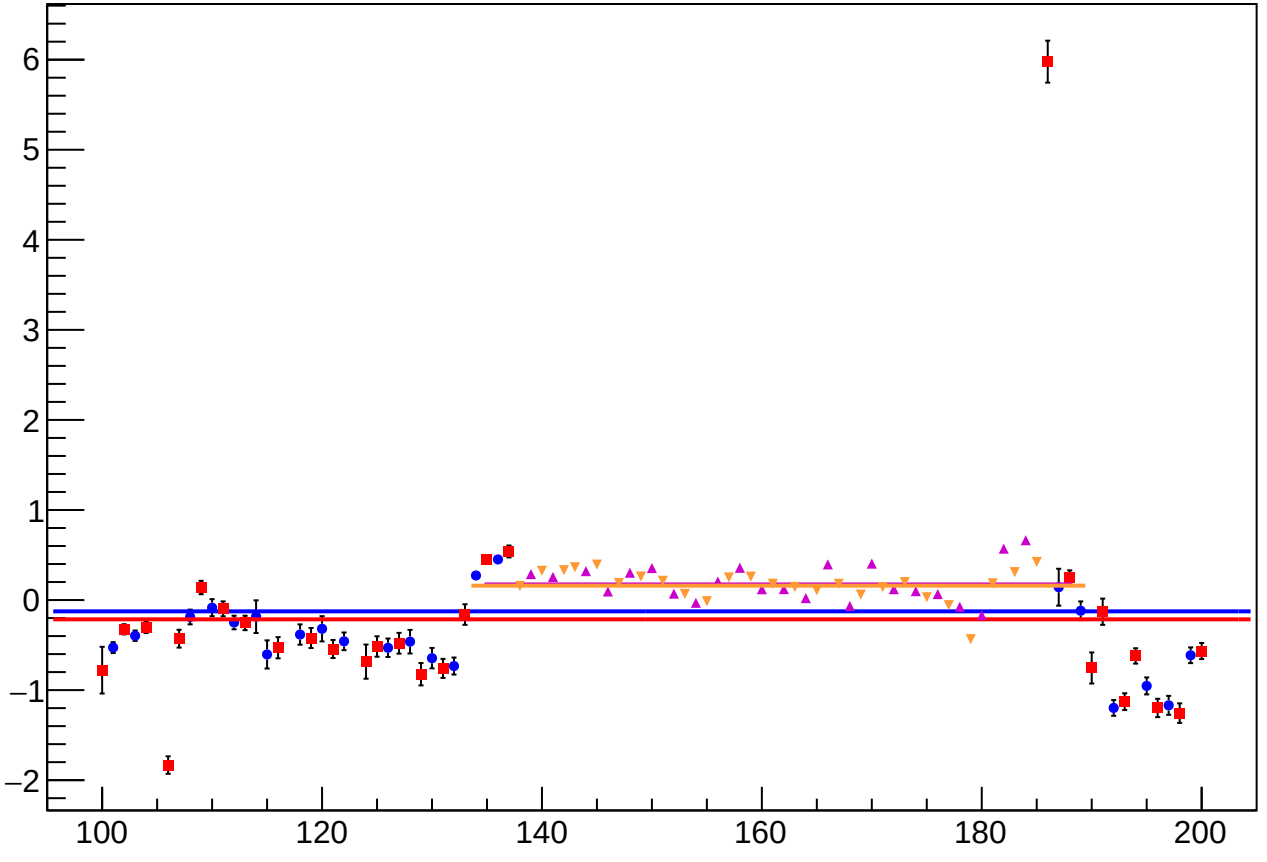
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.089+/-0.090 χ^2/NDF: 6975.1/46

All: 31.998+/-0.065 χ^2/NDF: 13673.9/97

- sign 31.902+/-0.093 χ^2/NDF: 6696.7/50

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.125+/-0.016 χ^2/NDF: 990.4/21

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.214+/-0.017 χ^2/NDF: 1903.4/27

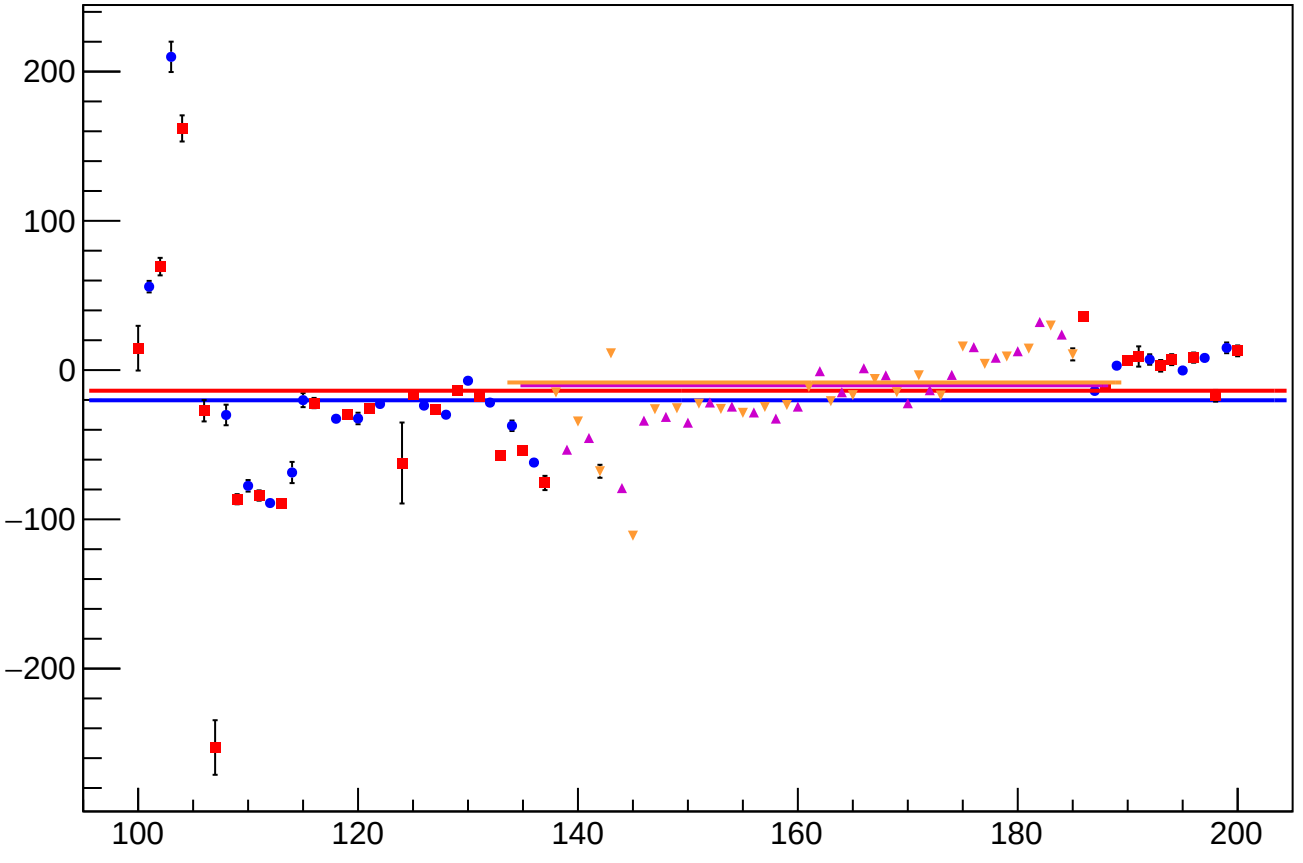
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.141+/-0.004 χ^2/NDF: 2900.4/46

All: 0.145+/-0.003 χ^2/NDF: 7444.5/97

- sign 0.149+/-0.004 χ^2/NDF: 4542.4/50

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -20.232+/-0.667 χ^2/NDF: 2489.1/21

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -13.820+/-0.579 χ^2/NDF: 4099.8/27

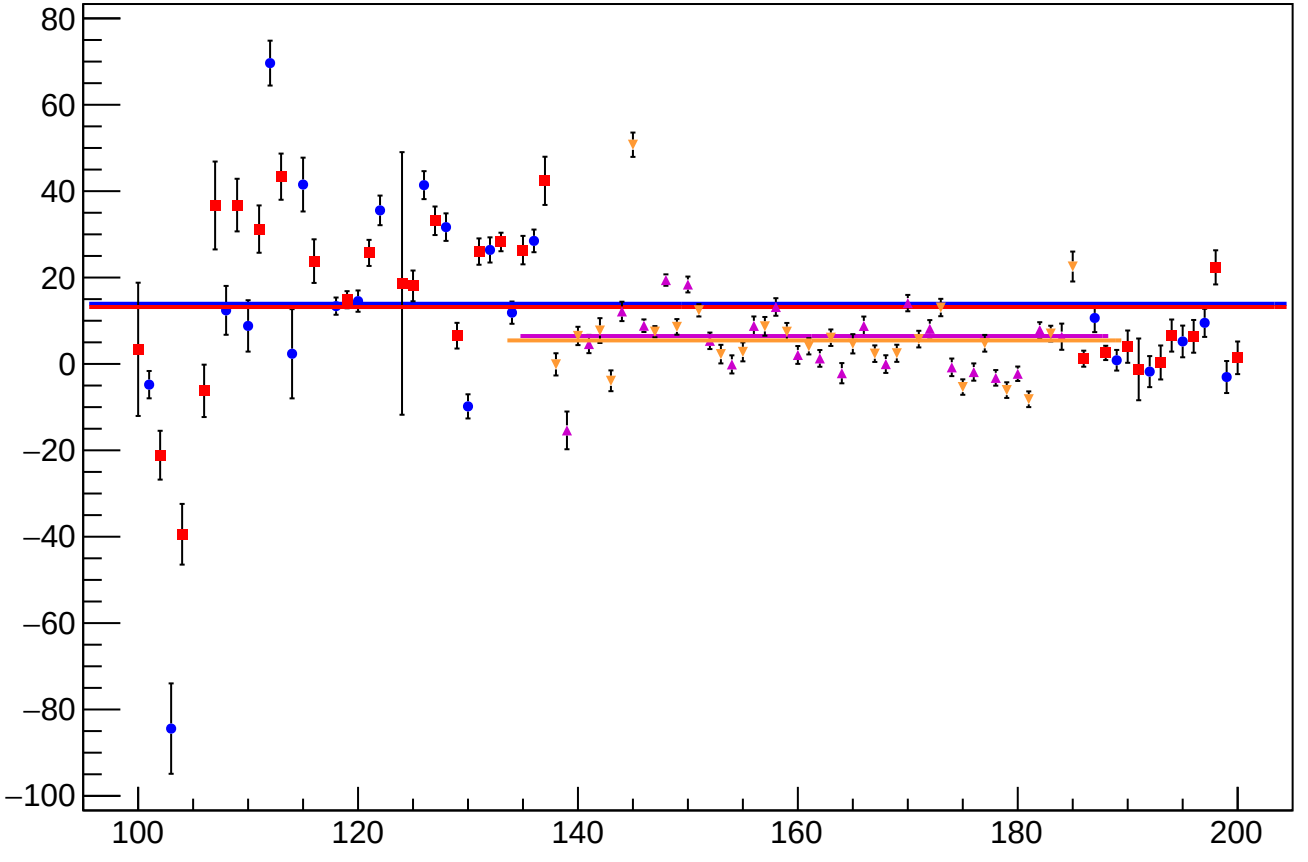
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -12.739+/-0.407 χ^2/NDF: 5249.6/46

All: -12.264+/-0.281 χ^2/NDF: 11892.0/97

- sign -11.829+/-0.389 χ^2/NDF: 6639.8/50

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.931+/-0.696 χ^2/NDF: 603.4/21

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.179+/-0.644 χ^2/NDF: 467.9/27

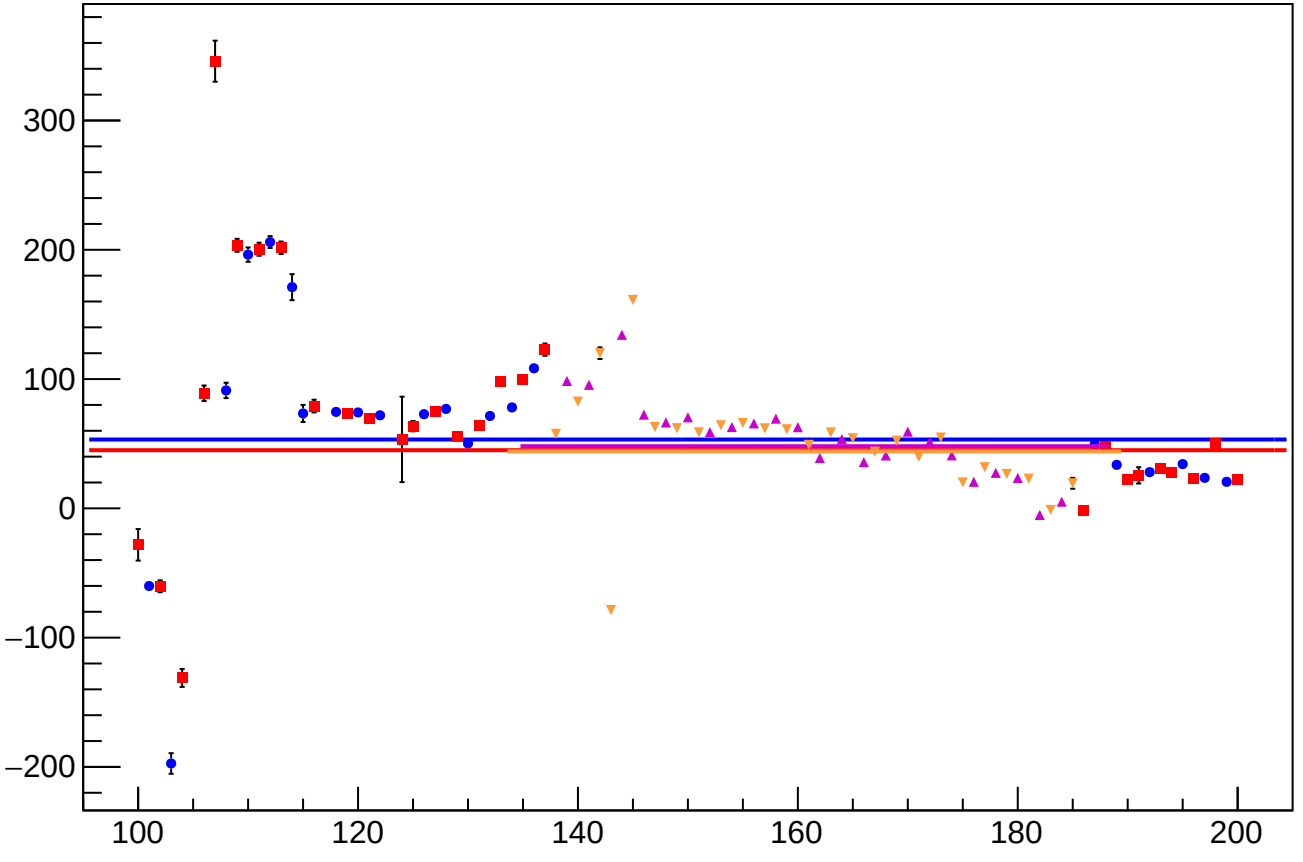
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.505+/-0.343 χ^2/NDF: 1209.7/46

All: 7.943+/-0.243 χ^2/NDF: 2094.6/97

- sign 8.387+/-0.345 χ^2/NDF: 881.6/50

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 53.247+/-0.654 χ^2/NDF: 5695.0/21

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 44.984+/-0.539 χ^2/NDF: 7574.4/27

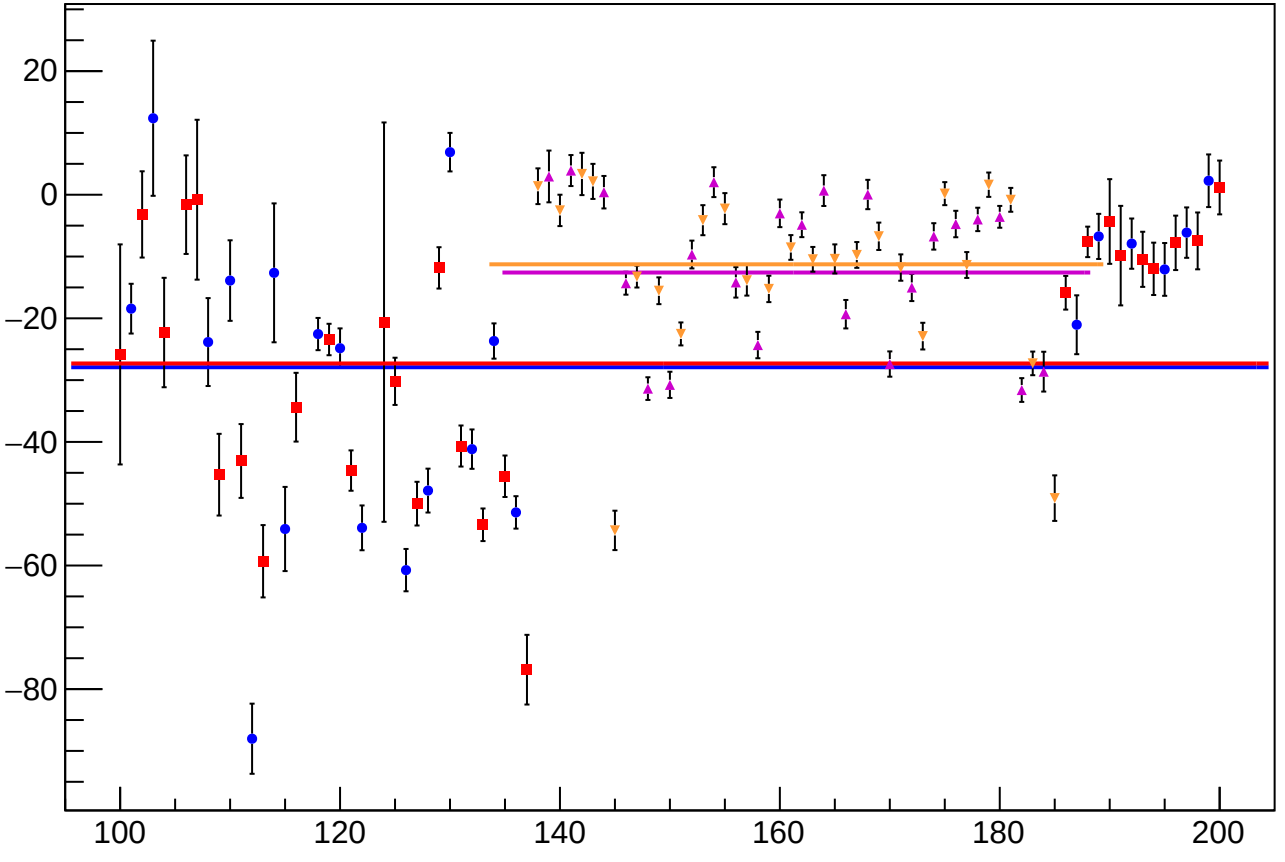
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

\+ sign 47.522+/-0.402 χ^2/NDF: 10382.1/46

All: 47.020+/-0.274 χ^2/NDF: 21352.9/97

\- sign 46.583+/-0.375 χ^2/NDF: 10967.9/50

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -27.915+/-0.823 χ^2/NDF: 706.3/21

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -27.306+/-0.789 χ^2/NDF: 592.9/27

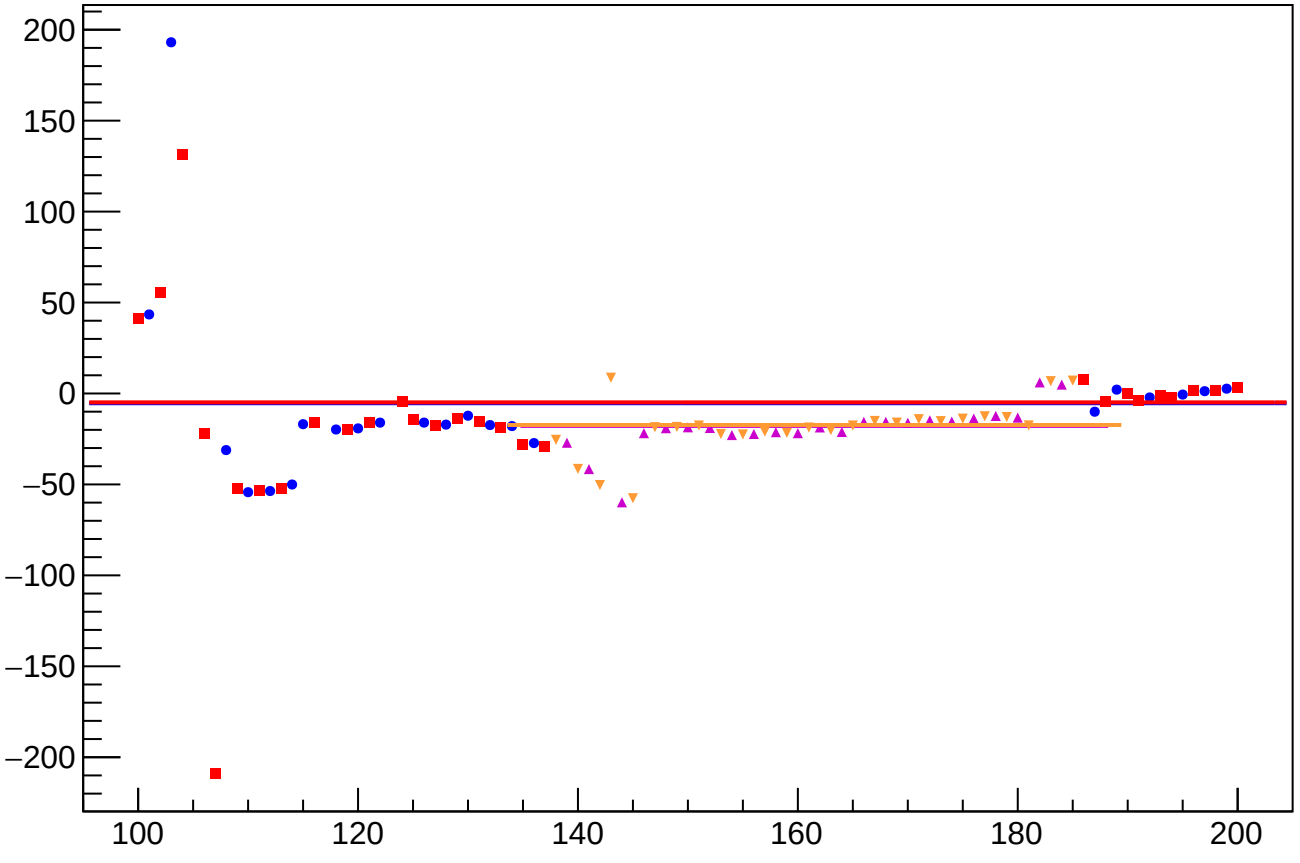
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.025+/-0.391 χ^2/NDF: 1666.5/46

All: -15.658+/-0.279 χ^2/NDF: 3196.4/97

- sign -16.307+/-0.397 χ^2/NDF: 1524.7/50

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -5.362+/-0.041 χ^2/NDF: 541064.9/21

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -4.884+/-0.038 χ^2/NDF: 481590.1/27

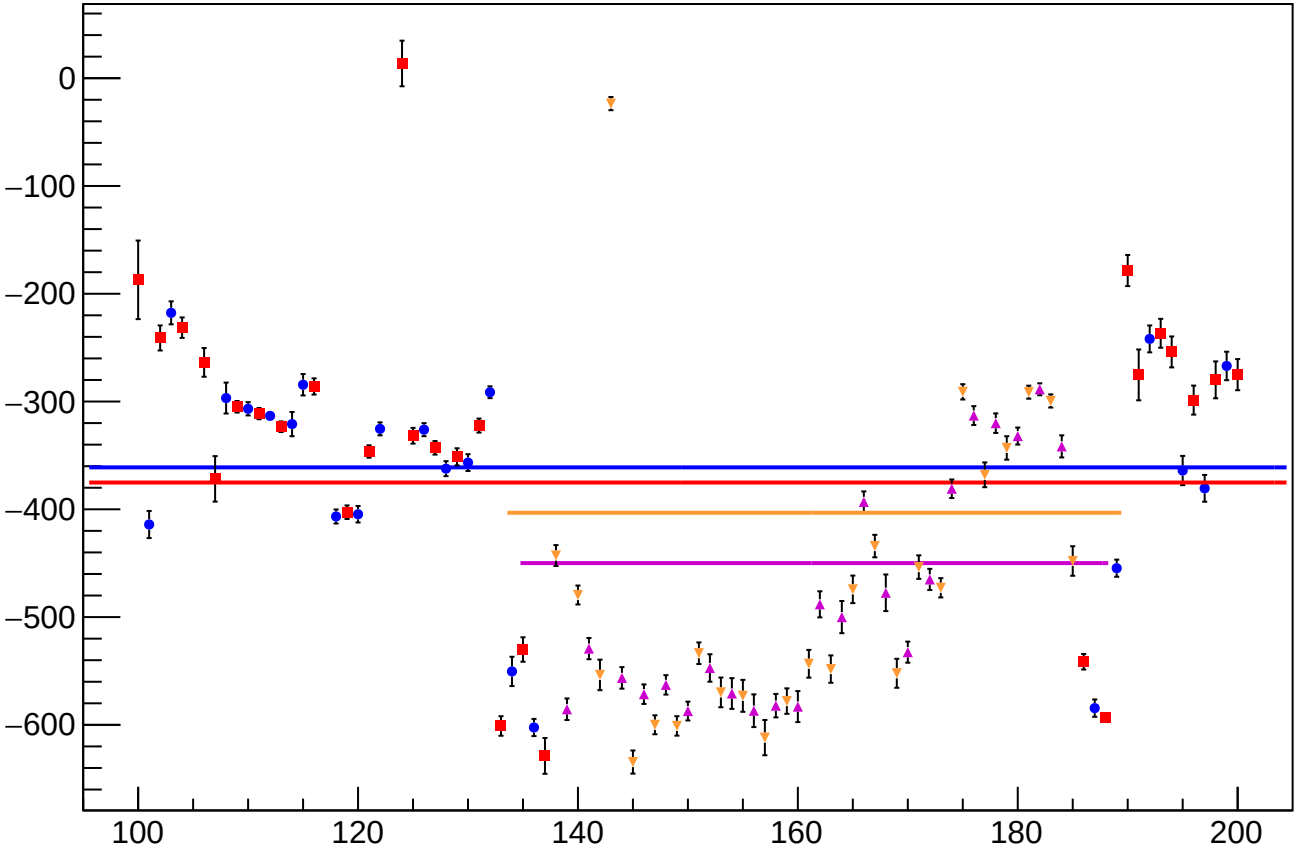
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.021+/-0.018 χ^2/NDF: 958176.6/46

All: -15.017+/-0.013 χ^2/NDF: 1795753.8/97

- sign -15.013+/-0.018 χ^2/NDF: 837577.1/50

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -361.087+/-1.677 χ^2/NDF: 2955.8/21

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -375.148+/-1.530 χ^2/NDF: 6191.4/27

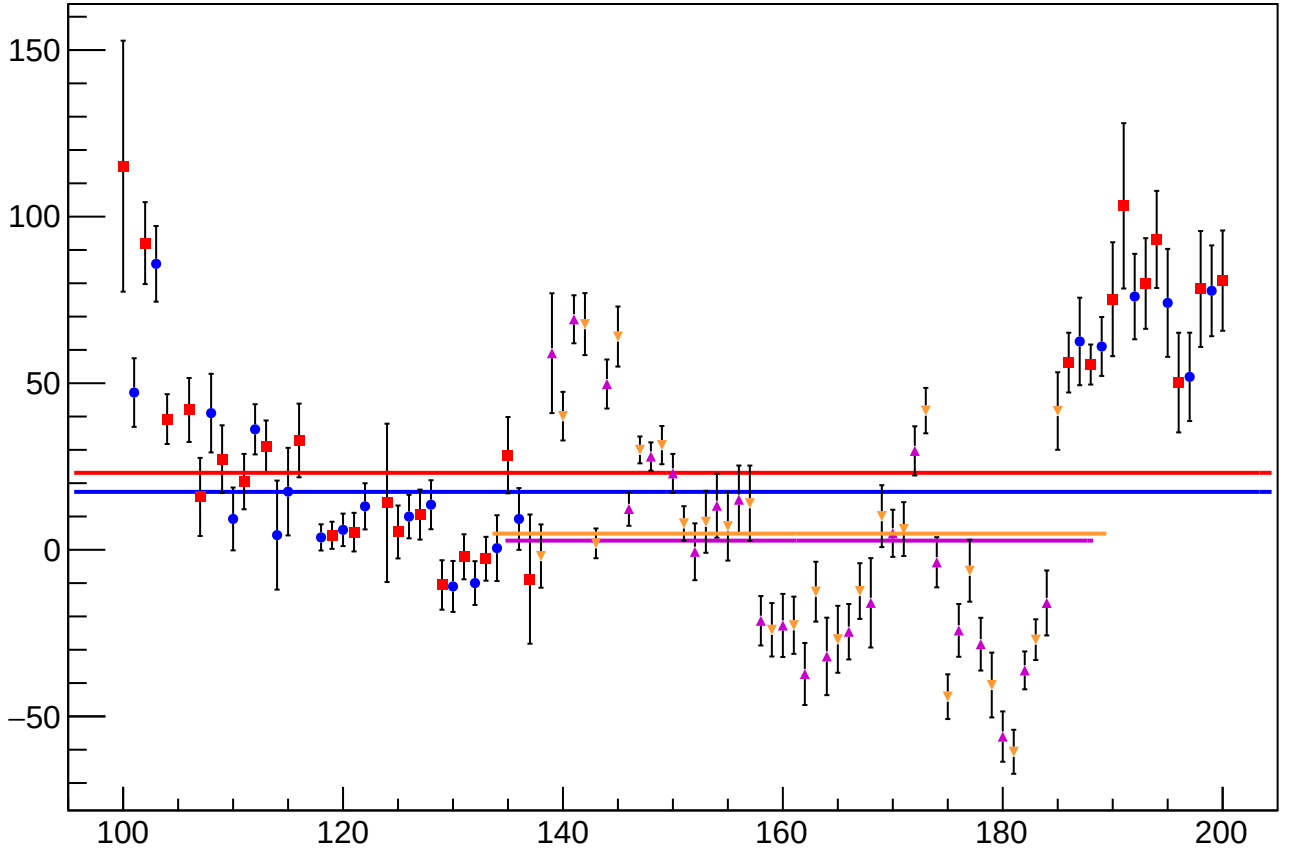
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.226+/-1.265 χ^2/NDF: 10977.7/46

All: -390.986+/-0.880 χ^2/NDF: 21413.4/97

- sign -402.004+/-1.225 χ^2/NDF: 10268.4/50

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 17.388+/-1.730 χ^2/NDF: 206.4/21

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 23.108+/-1.671 χ^2/NDF: 270.9/27

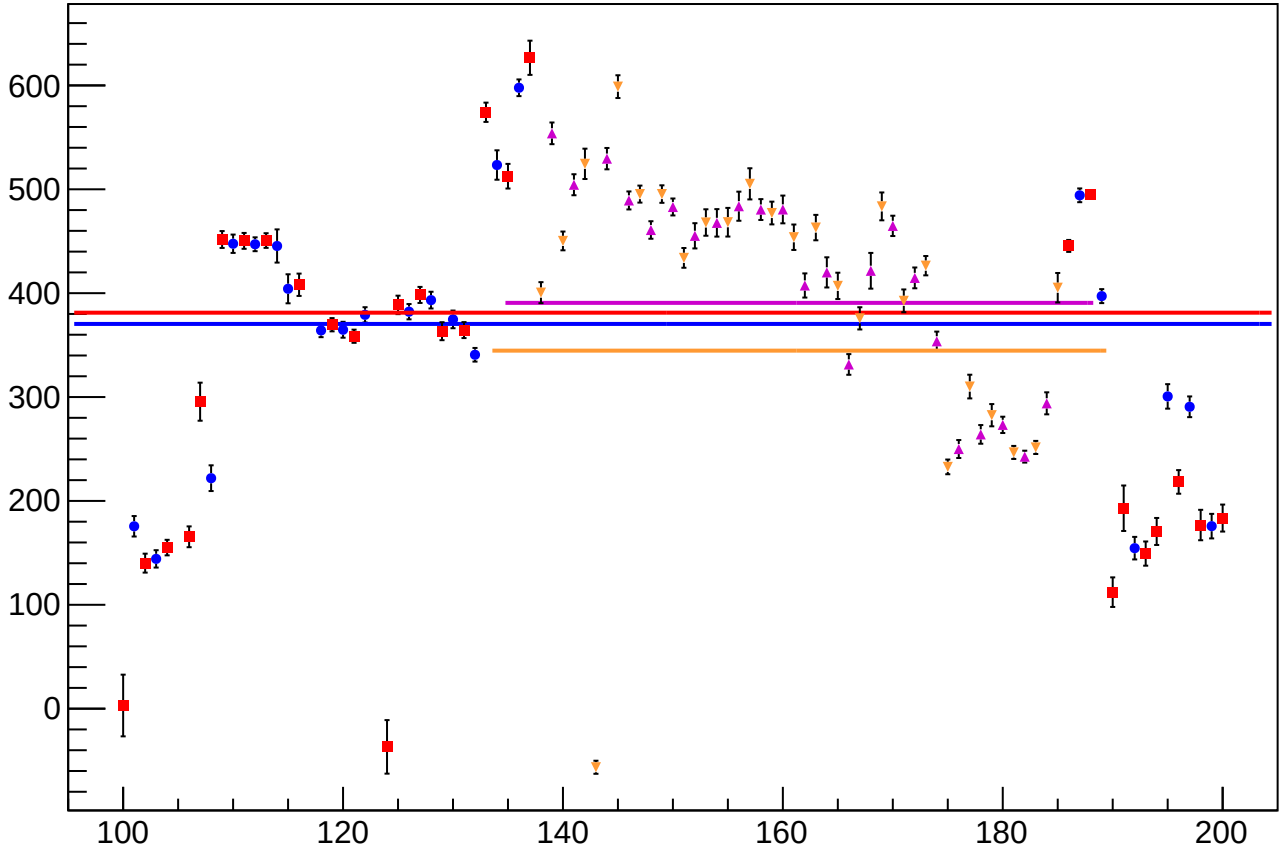
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 10.015+/-1.110 χ^2/NDF: 694.5/46

All: 11.080+/-0.795 χ^2/NDF: 1446.4/97

- sign 12.199+/-1.138 χ^2/NDF: 750.1/50

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 370.385+/-1.814 χ^2/NDF: 3586.0/21

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 381.216+/-1.600 χ^2/NDF: 6525.3/27

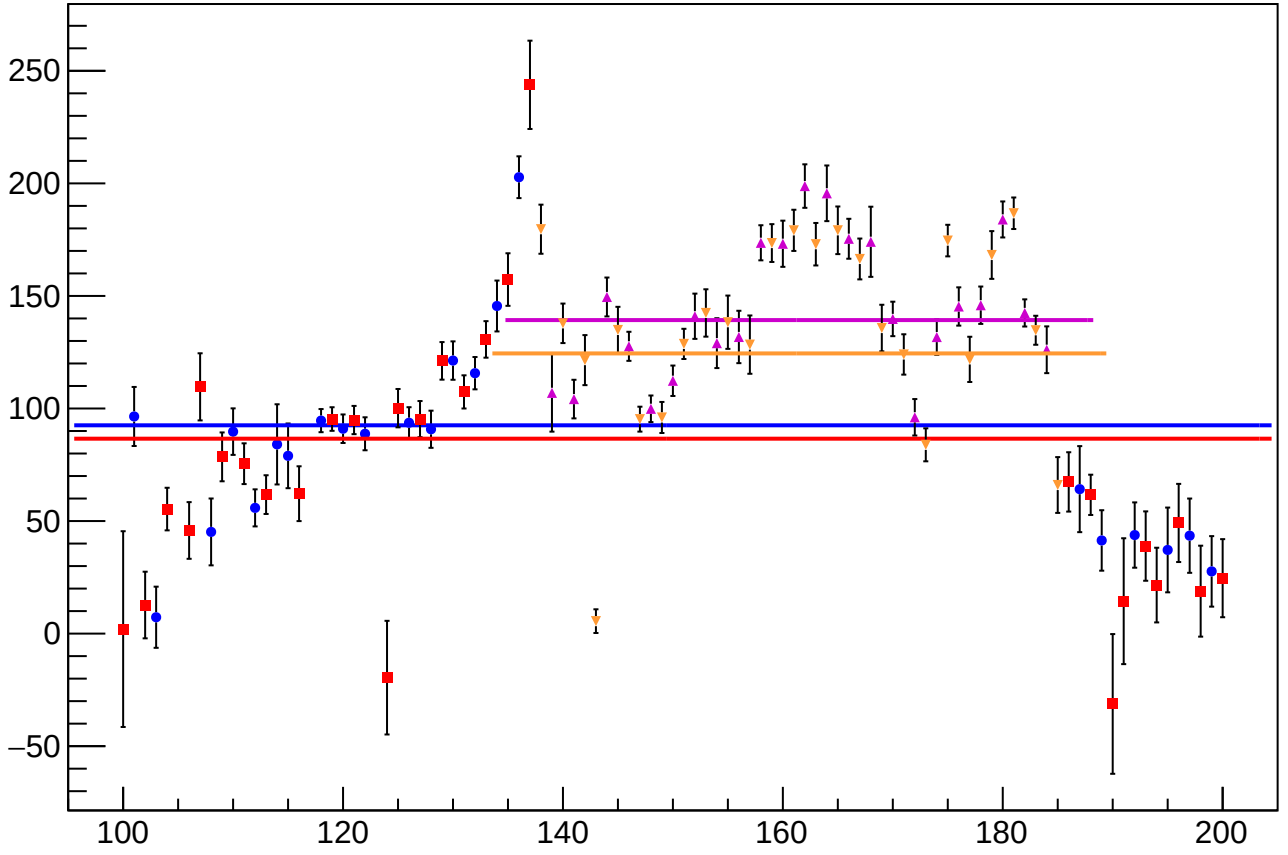
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 358.290+/-1.320 χ^2/NDF: 10958.7/46

All: 372.217+/-0.910 χ^2/NDF: 20382.5/97

- sign 384.841+/-1.257 χ^2/NDF: 9211.5/50

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 92.532+/-2.036 χ^2/NDF: 318.7/21

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 86.590+/-1.976 χ^2/NDF: 333.0/27

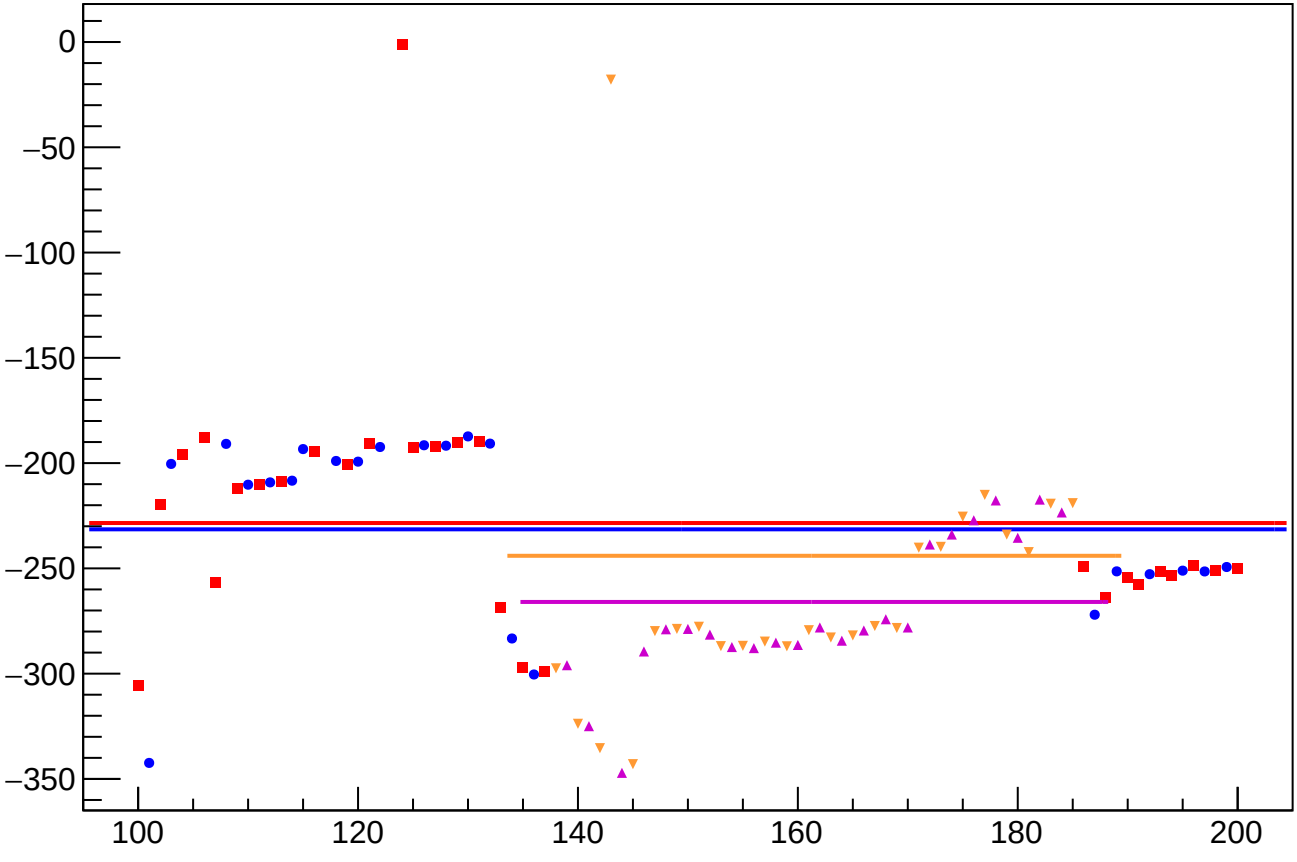
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 111.702+/-1.288 χ^2/NDF: 1403.8/46

All: 113.715+/-0.921 χ^2/NDF: 2397.4/97

- sign 115.826+/-1.318 χ^2/NDF: 988.5/50

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -231.458+/-0.118 χ^2/NDF: 133518.8/21

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -228.459+/-0.110 χ^2/NDF: 108937.6/27

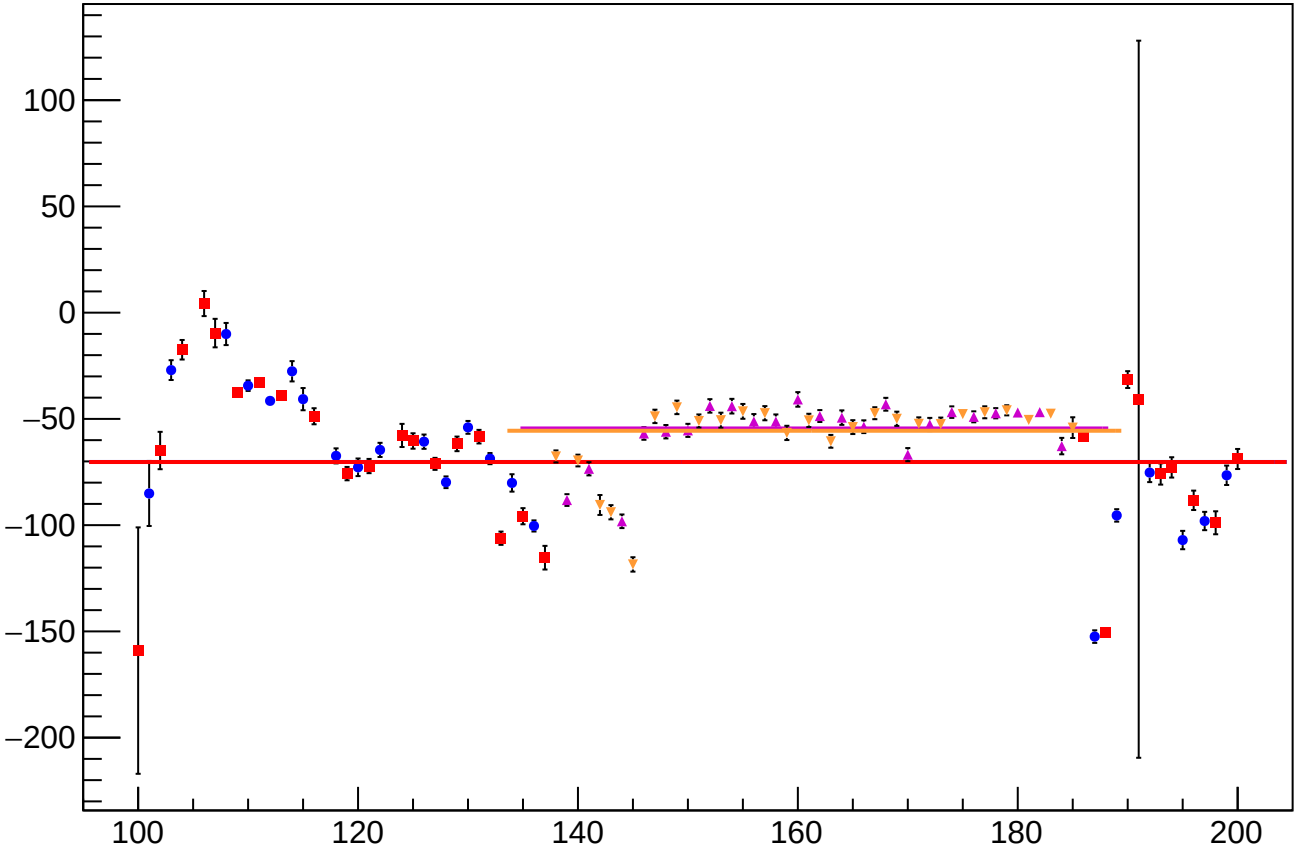
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.239+/-0.065 χ^2/NDF: 1139422.4/46

All: -246.504+/-0.046 χ^2/NDF: 1513102.9/97

- sign -252.814+/-0.065 χ^2/NDF: 354832.6/50

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -70.269+/-0.727 χ^2/NDF: 1874.4/21

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.289+/-0.629 χ^2/NDF: 3759.0/27

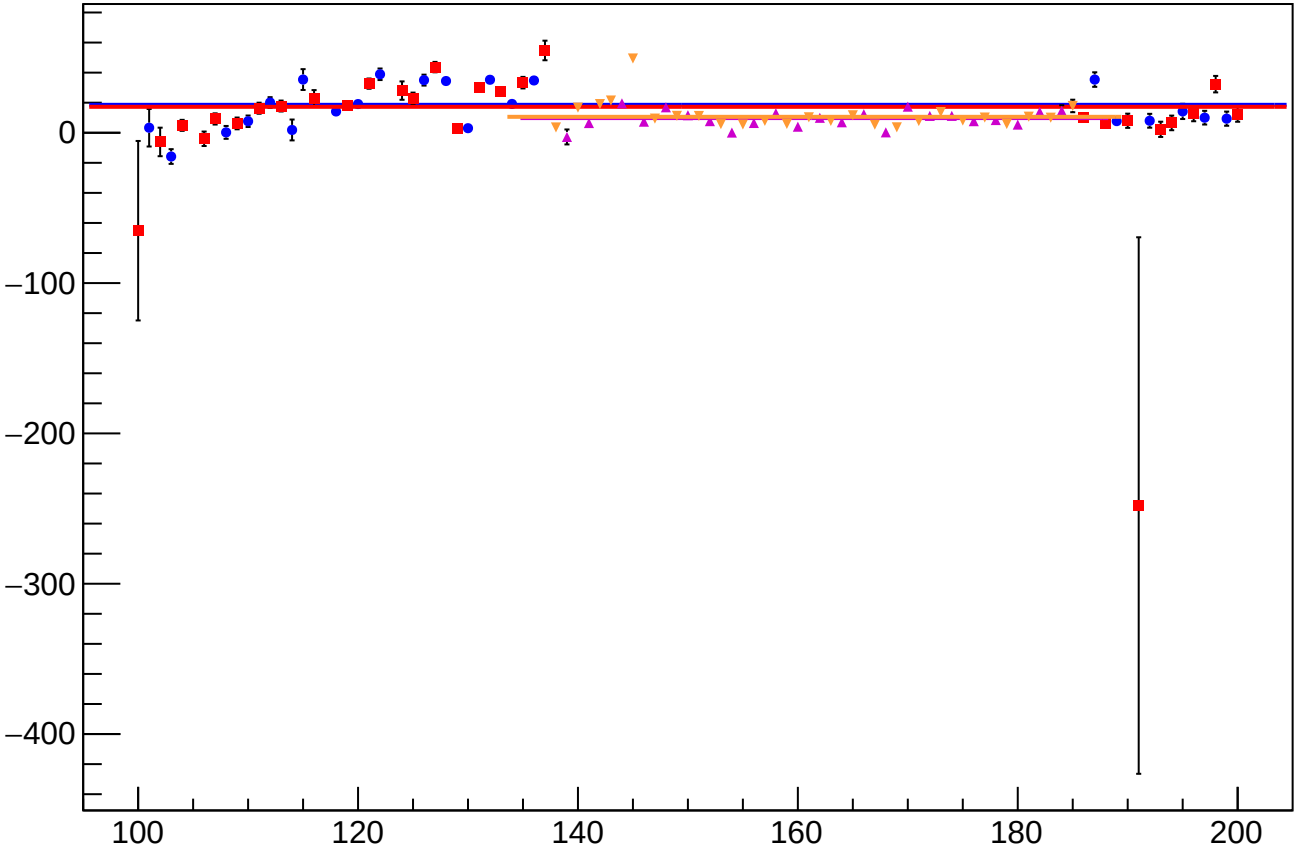
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -61.407+/-0.458 χ^2/NDF: 2806.9/46

All: -61.772+/-0.316 χ^2/NDF: 7394.2/97

\- sign -62.104+/-0.436 χ^2/NDF: 4586.1/50

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.582+/-0.779 χ^2/NDF: 286.3/21

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.259+/-0.703 χ^2/NDF: 302.2/27

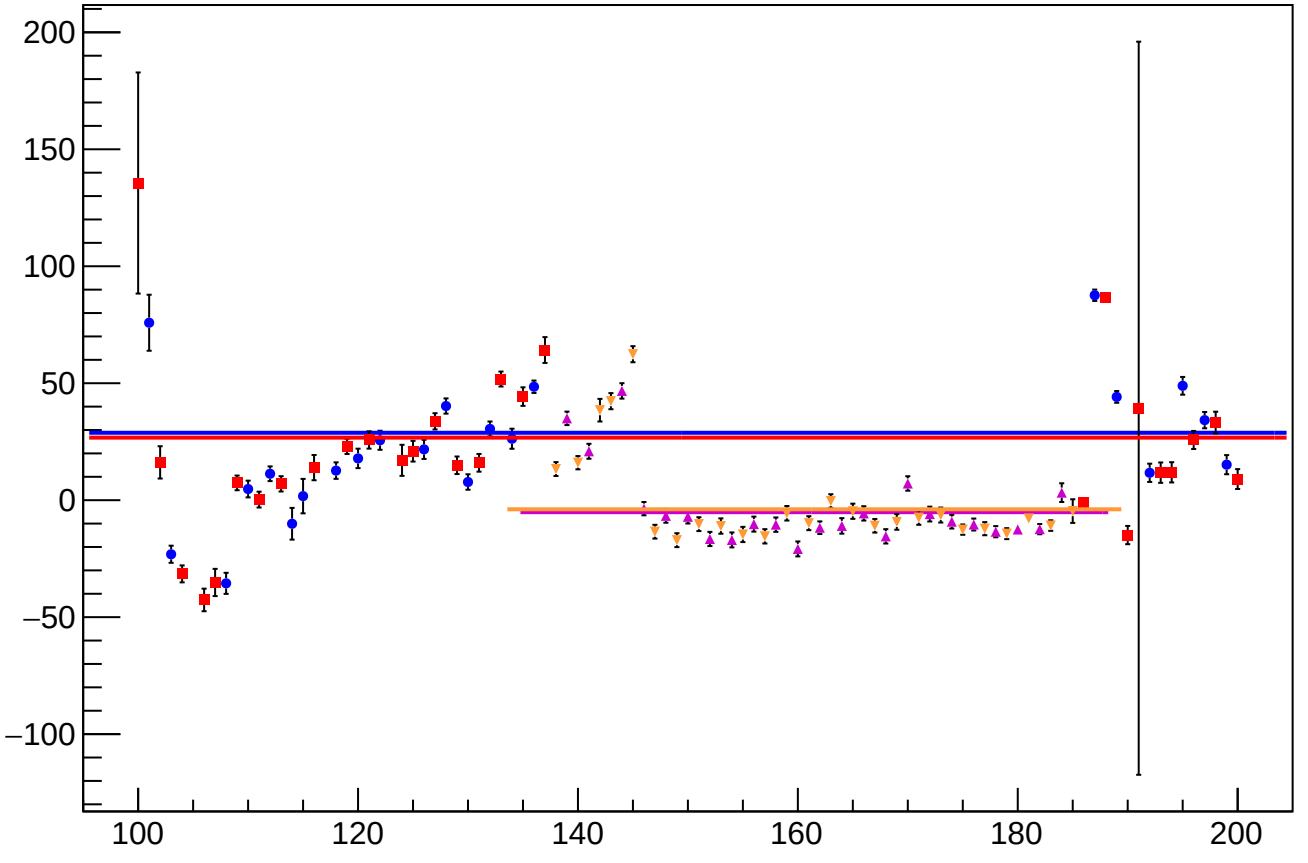
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.594+/-0.389 χ^2/NDF: 620.1/46

All: 12.326+/-0.275 χ^2/NDF: 1123.1/97

- sign 12.059+/-0.389 χ^2/NDF: 502.0/50

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.823+/-0.767 χ^2/NDF: 1368.0/21

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.746+/-0.633 χ^2/NDF: 3298.8/27

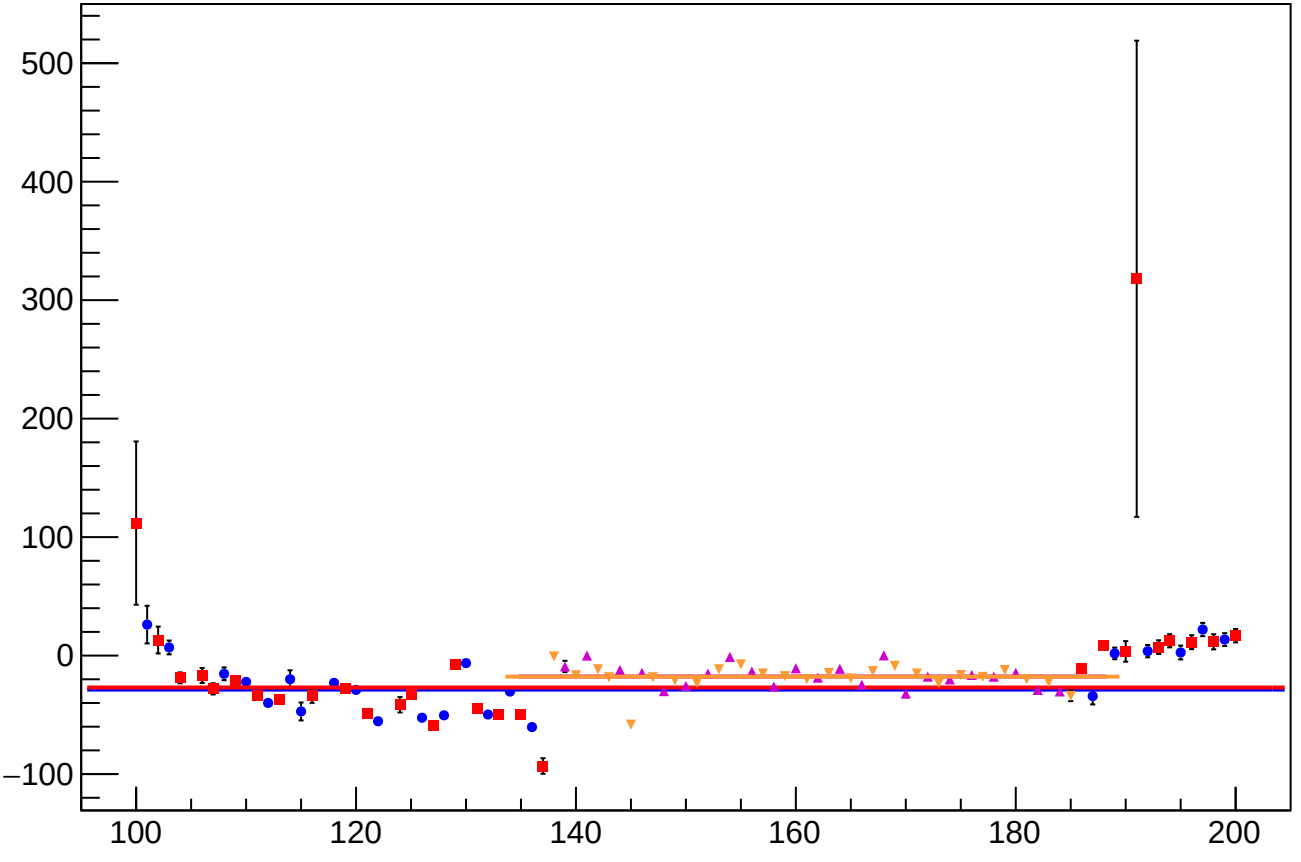
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.135+/-0.465 χ^2/NDF: 3368.0/46

All: 9.102+/-0.318 χ^2/NDF: 8660.8/97

- sign 9.949+/-0.435 χ^2/NDF: 5284.7/50

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -28.706+/-0.908 χ^2/NDF: 634.9/21

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -26.939+/-0.845 χ^2/NDF: 773.0/27

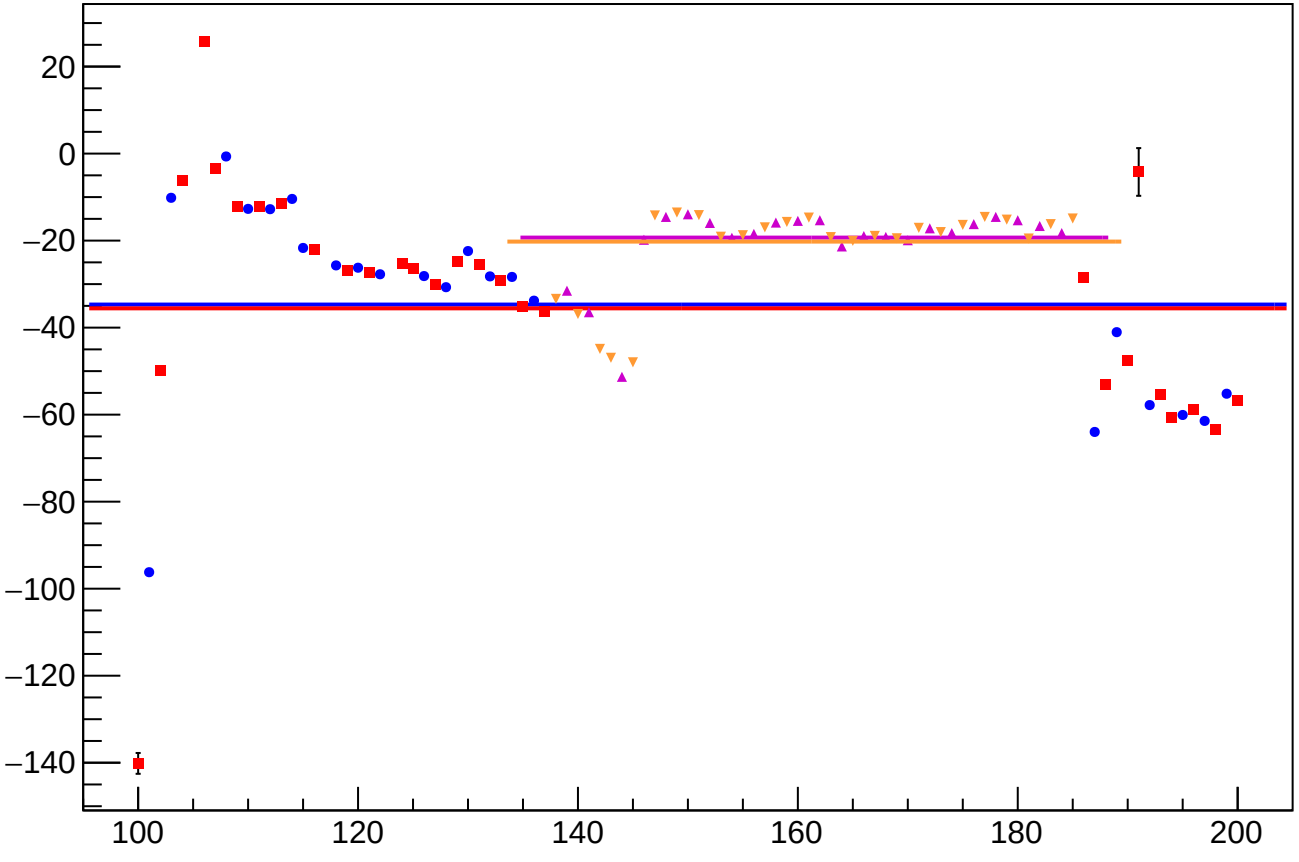
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.388+/-0.444 χ^2/NDF: 996.8/46

All: -20.314+/-0.315 χ^2/NDF: 2143.0/97

- sign -20.238+/-0.447 χ^2/NDF: 1146.1/50

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -34.700+/-0.046 χ^2/NDF: 175944.8/21

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -35.569+/-0.044 χ^2/NDF: 261411.2/27

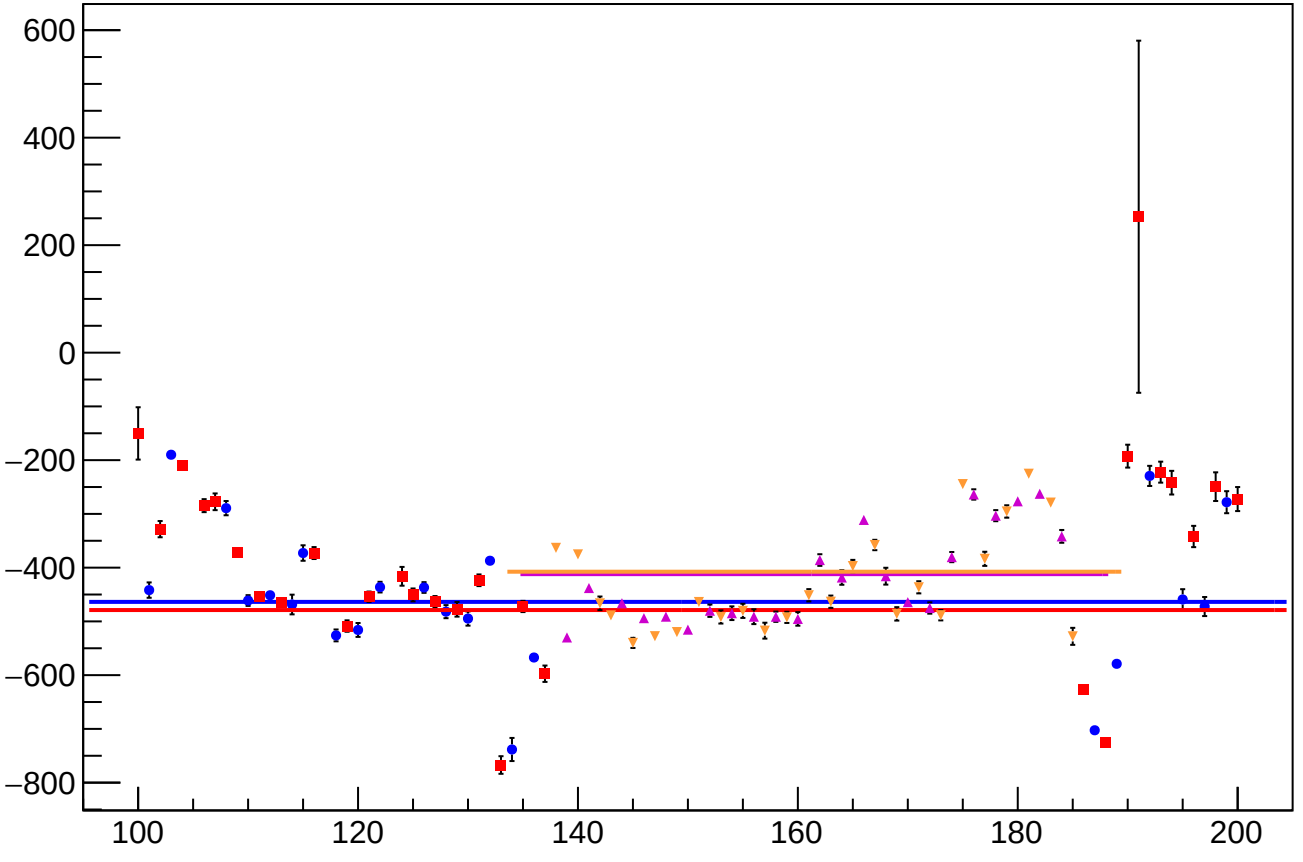
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.048+/-0.021 χ^2/NDF: 401457.9/46

All: -22.952+/-0.015 χ^2/NDF: 862514.5/97

- sign -22.856+/-0.021 χ^2/NDF: 461012.8/50

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -463.702+/-2.402 χ^2/NDF: 2706.0/21

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -478.892+/-2.091 χ^2/NDF: 5928.9/27

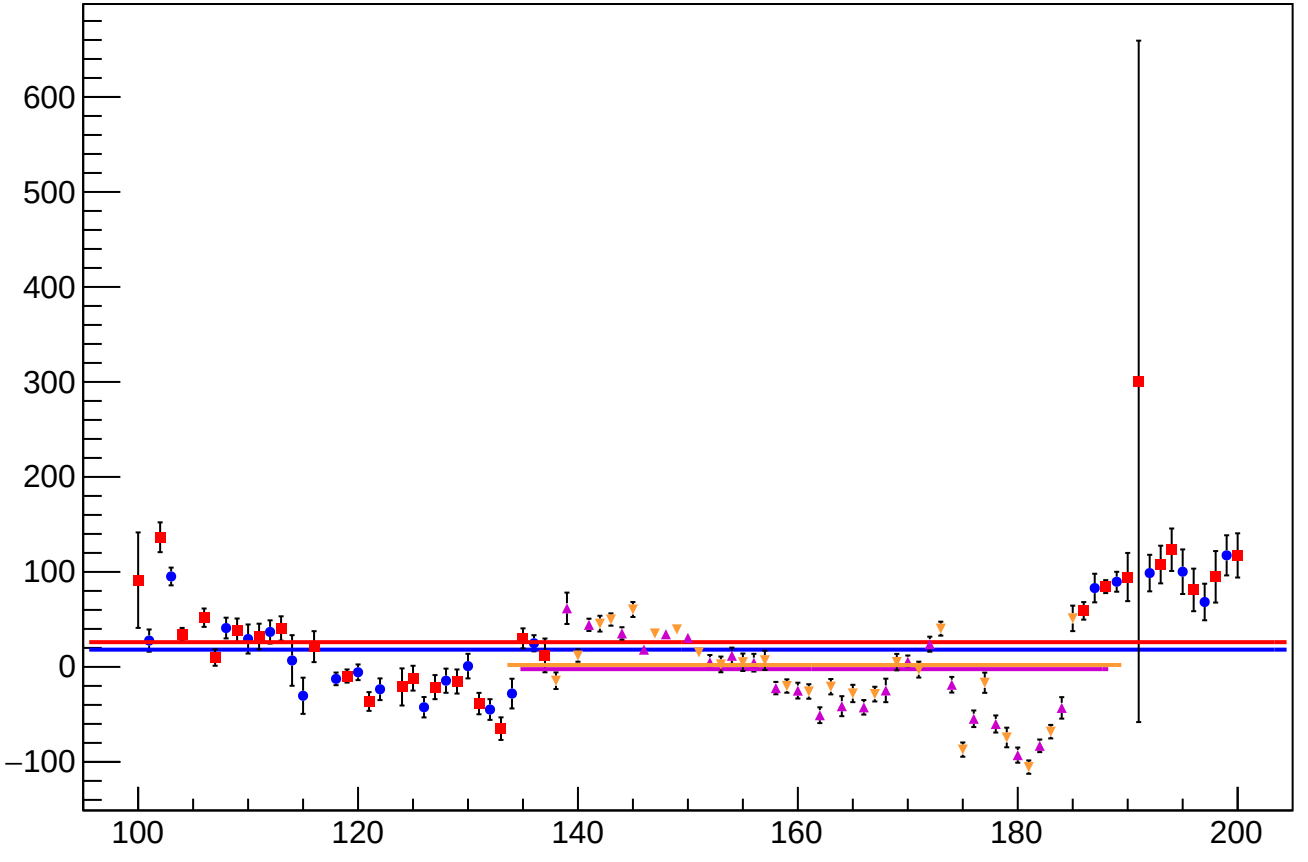
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -429.867+/-1.514 χ^2/NDF: 5907.7/46

All: -437.330+/-1.047 χ^2/NDF: 14596.2/97

- sign -444.155+/-1.448 χ^2/NDF: 8642.0/50

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 18.177+/-2.521 χ^2/NDF: 332.2/21

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 26.049+/-2.250 χ^2/NDF: 421.8/27

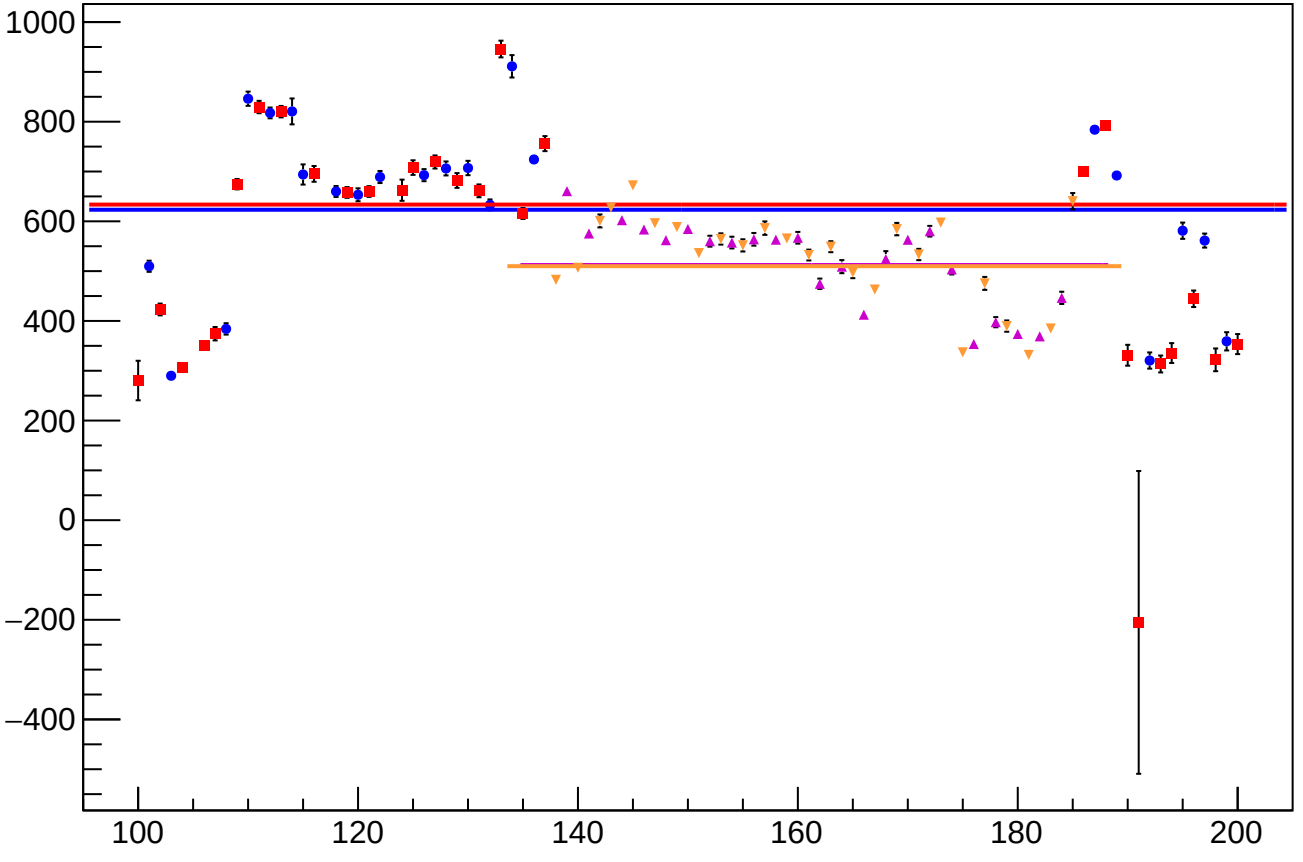
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 5.947+/-1.241 χ^2/NDF: 1274.0/46

All: 6.093+/-0.876 χ^2/NDF: 2540.5/97

\- sign 6.237+/-1.238 χ^2/NDF: 1266.4/50

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 623.247+/-2.434 χ^2/NDF: 5013.6/21

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 633.591+/-2.042 χ^2/NDF: 8257.8/27

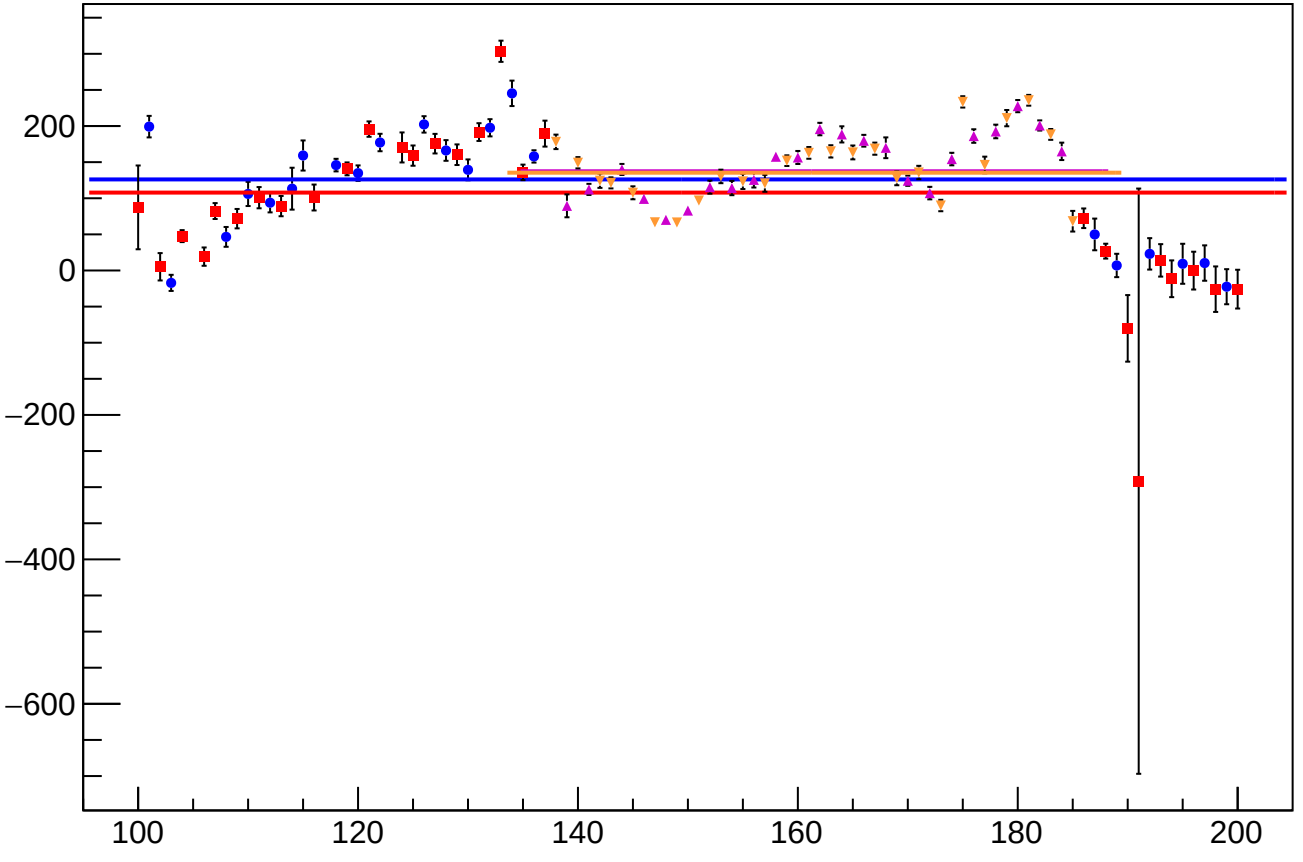
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 553.828+/-1.515 χ^2/NDF: 9004.6/46

All: 563.039+/-1.037 χ^2/NDF: 21235.1/97

\- sign 571.166+/-1.423 χ^2/NDF: 12160.9/50

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 126.085+/-2.970 χ^2/NDF: 572.1/21

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 107.850+/-2.717 χ^2/NDF: 726.5/27

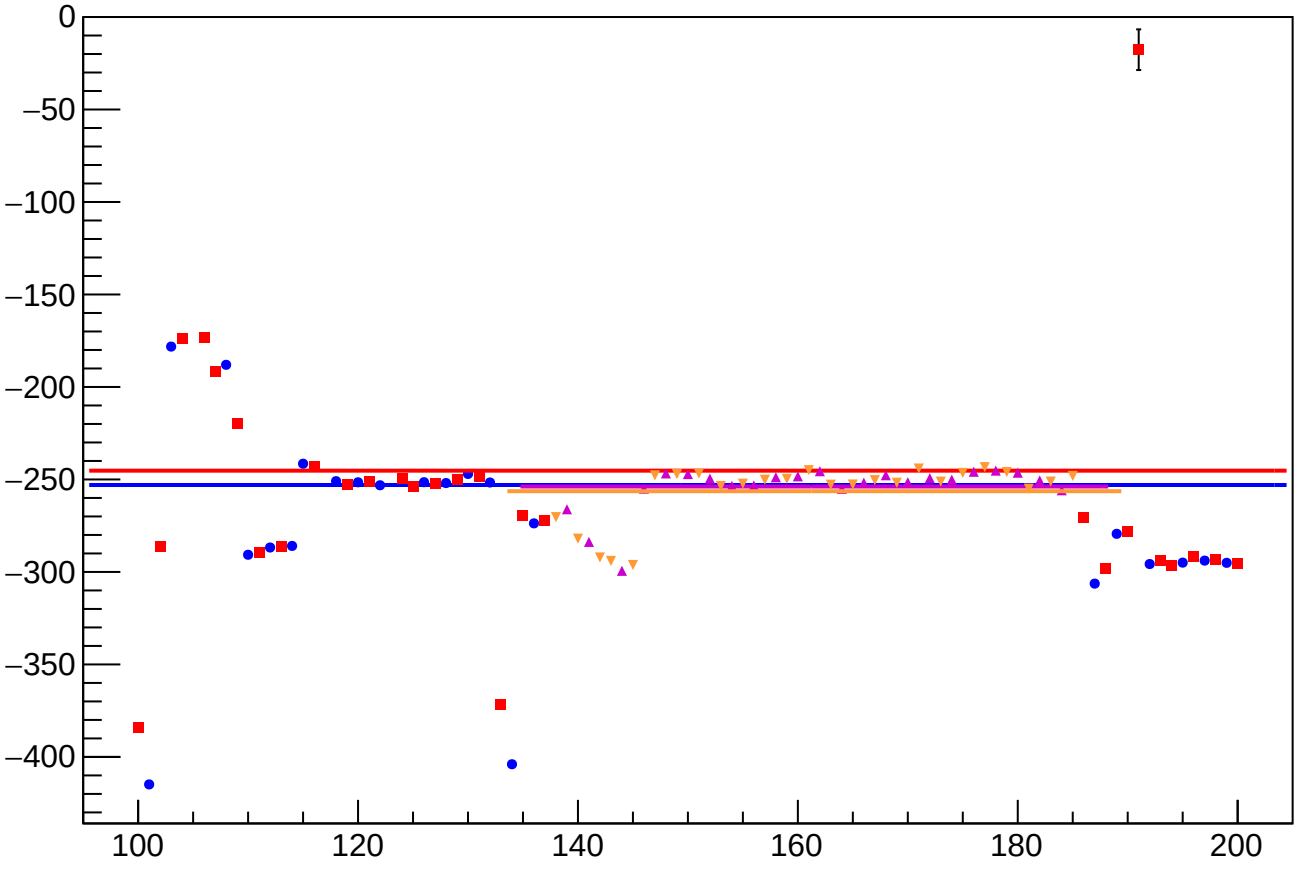
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 133.211+/-1.442 χ^2/NDF: 1502.7/46

All: 131.133+/-1.020 χ^2/NDF: 3024.1/97

- sign 129.053+/-1.442 χ^2/NDF: 1517.2/50

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -252.996+/-0.146 χ^2/NDF: 192179.1/21

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -245.244+/-0.137 χ^2/NDF: 141982.1/27

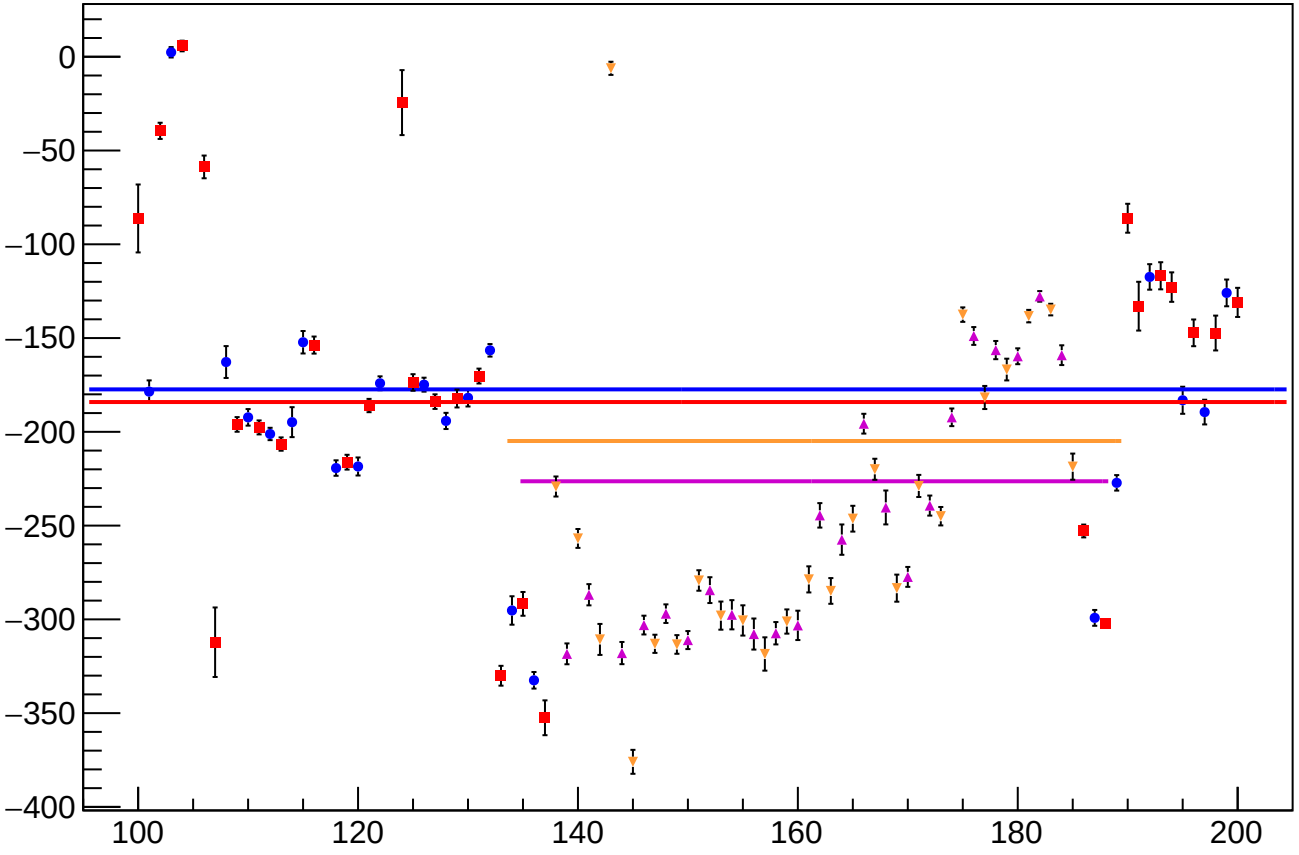
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -255.614+/-0.068 χ^2/NDF: 232104.8/46

All: -253.657+/-0.048 χ^2/NDF: 402766.5/97

- sign -251.725+/-0.068 χ^2/NDF: 169020.4/50

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -177.363+/-0.970 χ^2/NDF: 7090.9/21

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.111+/-0.875 χ^2/NDF: 11275.3/27

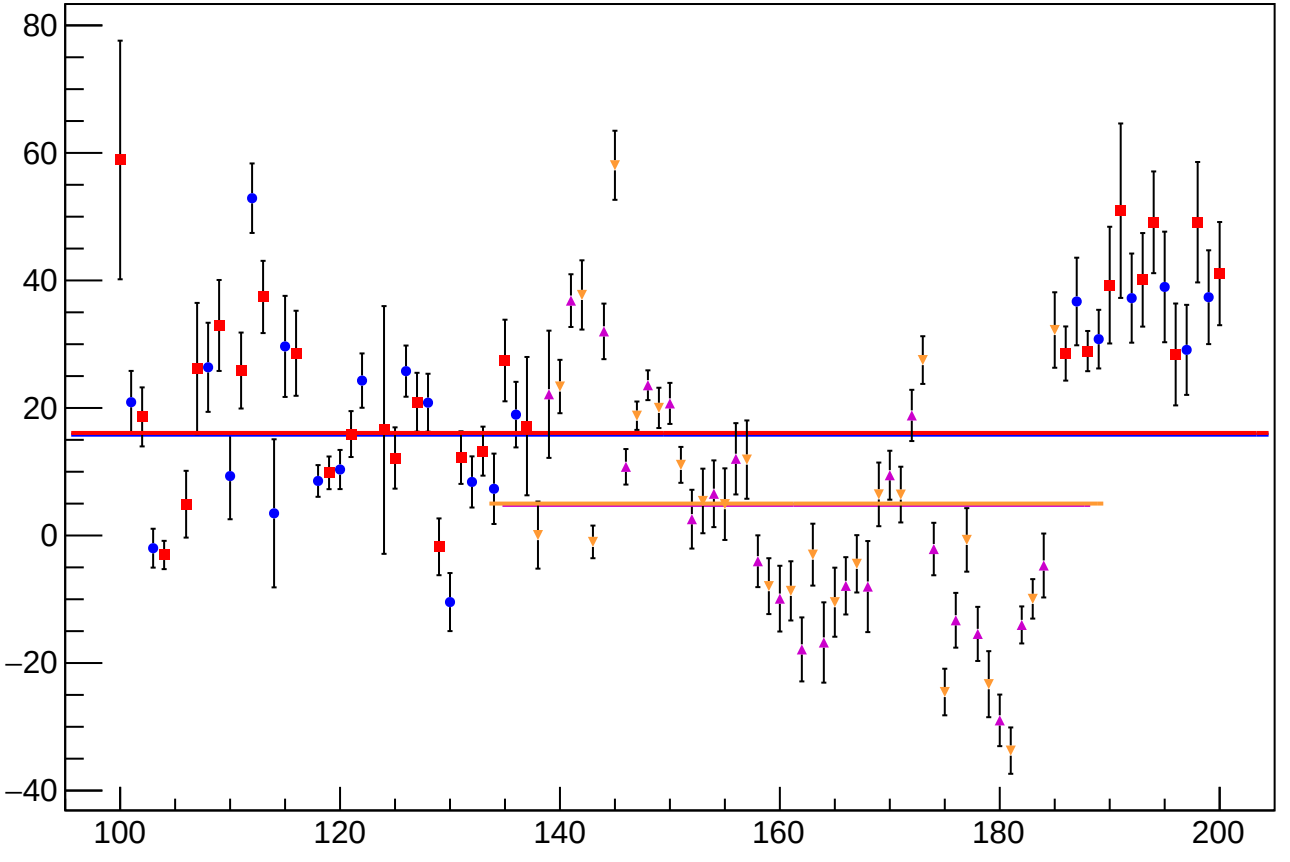
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.017+/-0.713 χ^2/NDF: 15287.2/46

All: -195.408+/-0.494 χ^2/NDF: 31790.3/97

- sign -200.394+/-0.686 χ^2/NDF: 16393.1/50

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 15.812+/-0.998 χ^2/NDF: 199.8/21

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.083+/-0.920 χ^2/NDF: 230.0/27

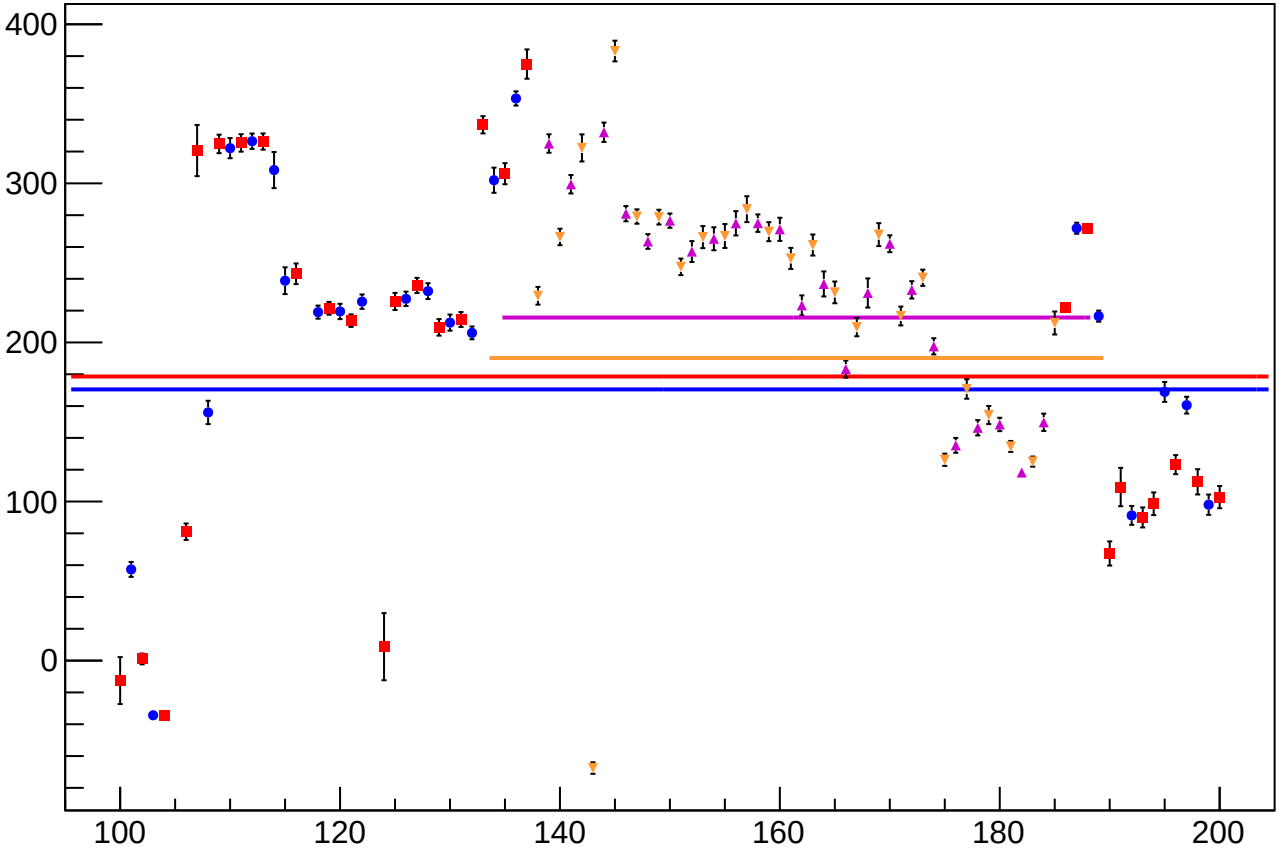
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.189+/-0.621 χ^2/NDF: 820.2/46

All: 9.581+/-0.440 χ^2/NDF: 1558.8/97

- sign 9.974+/-0.623 χ^2/NDF: 737.8/50

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 170.476+/-0.976 χ^2/NDF: 15367.1/21

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 178.596+/-0.850 χ^2/NDF: 20625.0/27

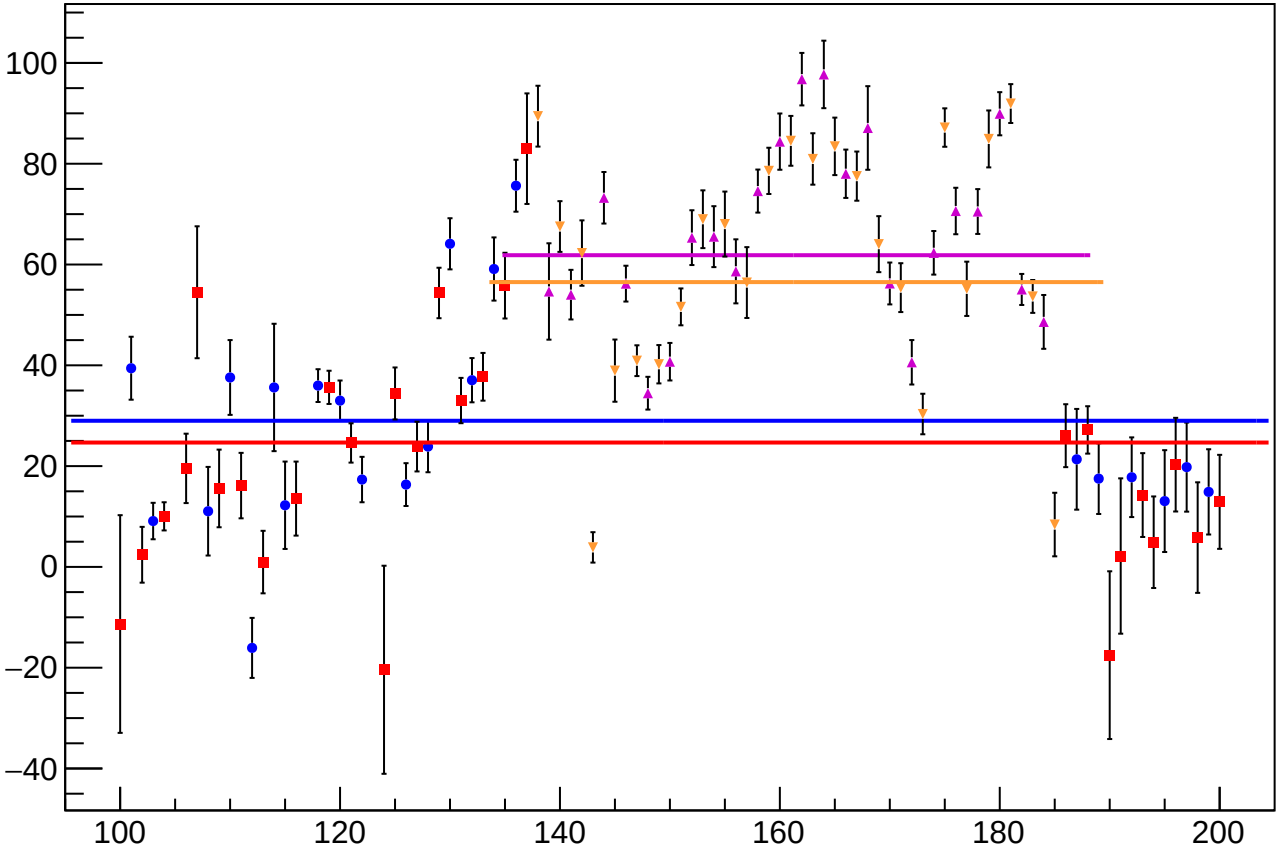
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 179.624+/-0.715 χ^2/NDF: 24940.8/46

All: 186.444+/-0.490 χ^2/NDF: 50335.3/97

- sign 192.475+/-0.672 χ^2/NDF: 25223.0/50

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 28.998+/-1.180 χ^2/NDF: 290.0/21

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.678+/-1.107 χ^2/NDF: 208.8/27

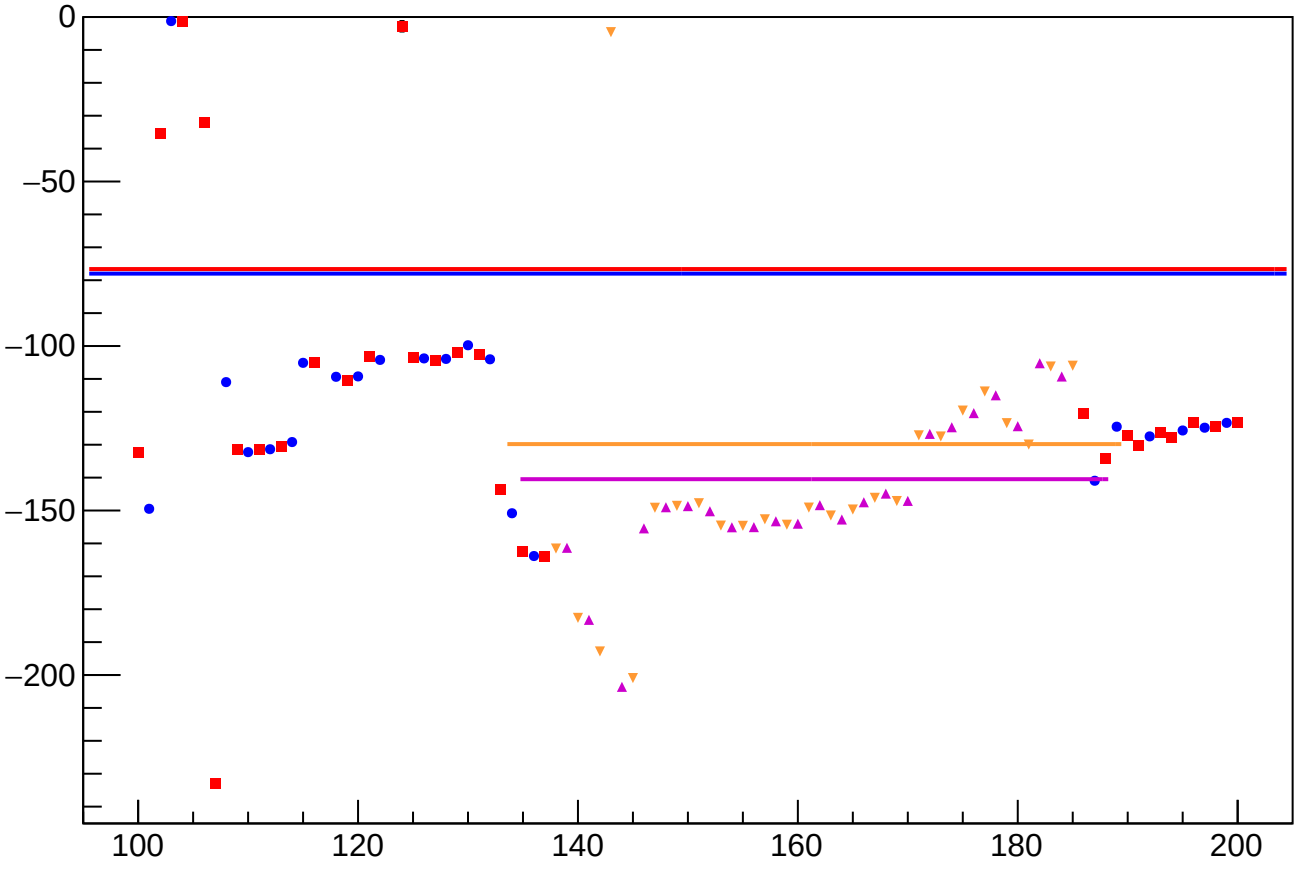
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.265+/-0.720 χ^2/NDF: 1430.2/46

All: 46.067+/-0.511 χ^2/NDF: 2602.6/97

- sign 45.865+/-0.726 χ^2/NDF: 1172.3/50

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -77.993+/-0.056 χ^2/NDF: 1244916.7/21

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -76.607+/-0.053 χ^2/NDF: 1212806.1/27

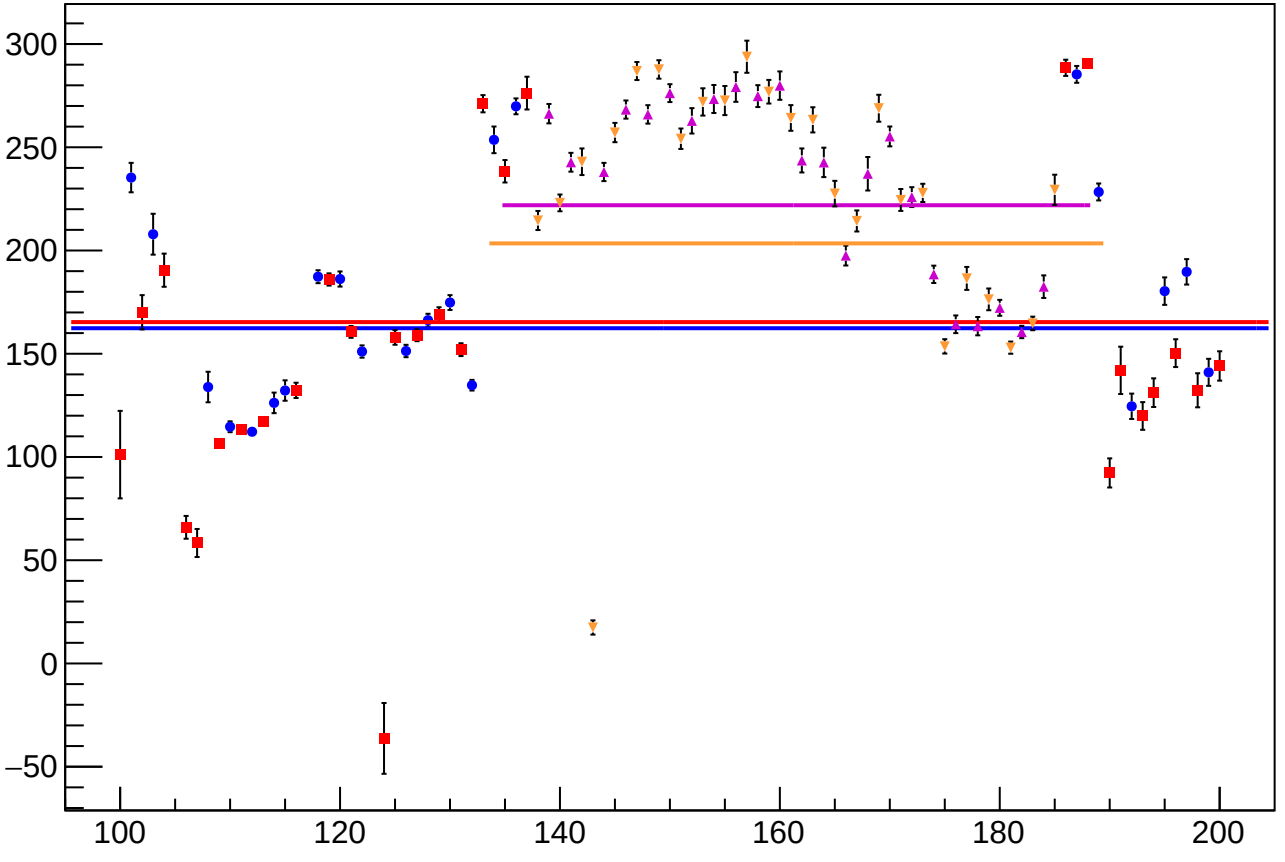
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.257+/-0.034 χ^2/NDF: 2810830.0/46

All: -112.971+/-0.024 χ^2/NDF: 5147547.8/97

- sign -114.678+/-0.034 χ^2/NDF: 2331577.8/50

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.359+/-0.805 χ^2/NDF: 3614.4/21

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.333+/-0.732 χ^2/NDF: 8052.4/27

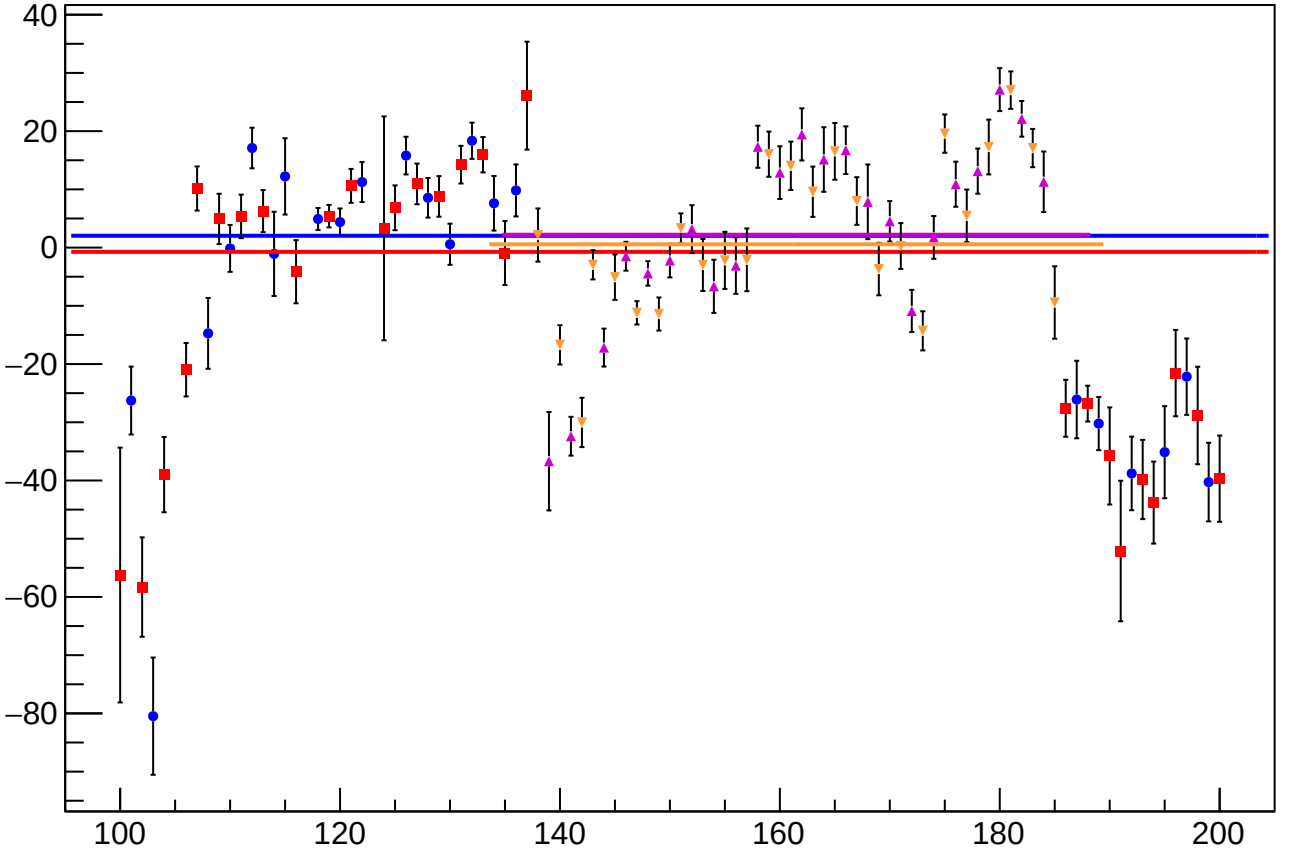
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.477+/-0.615 χ^2/NDF: 10190.8/46

All: 182.344+/-0.426 χ^2/NDF: 22349.5/97

- sign 184.993+/-0.591 χ^2/NDF: 12116.9/50

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.032+/-0.839 χ^2/NDF: 369.1/21

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -0.733+/-0.810 χ^2/NDF: 486.0/27

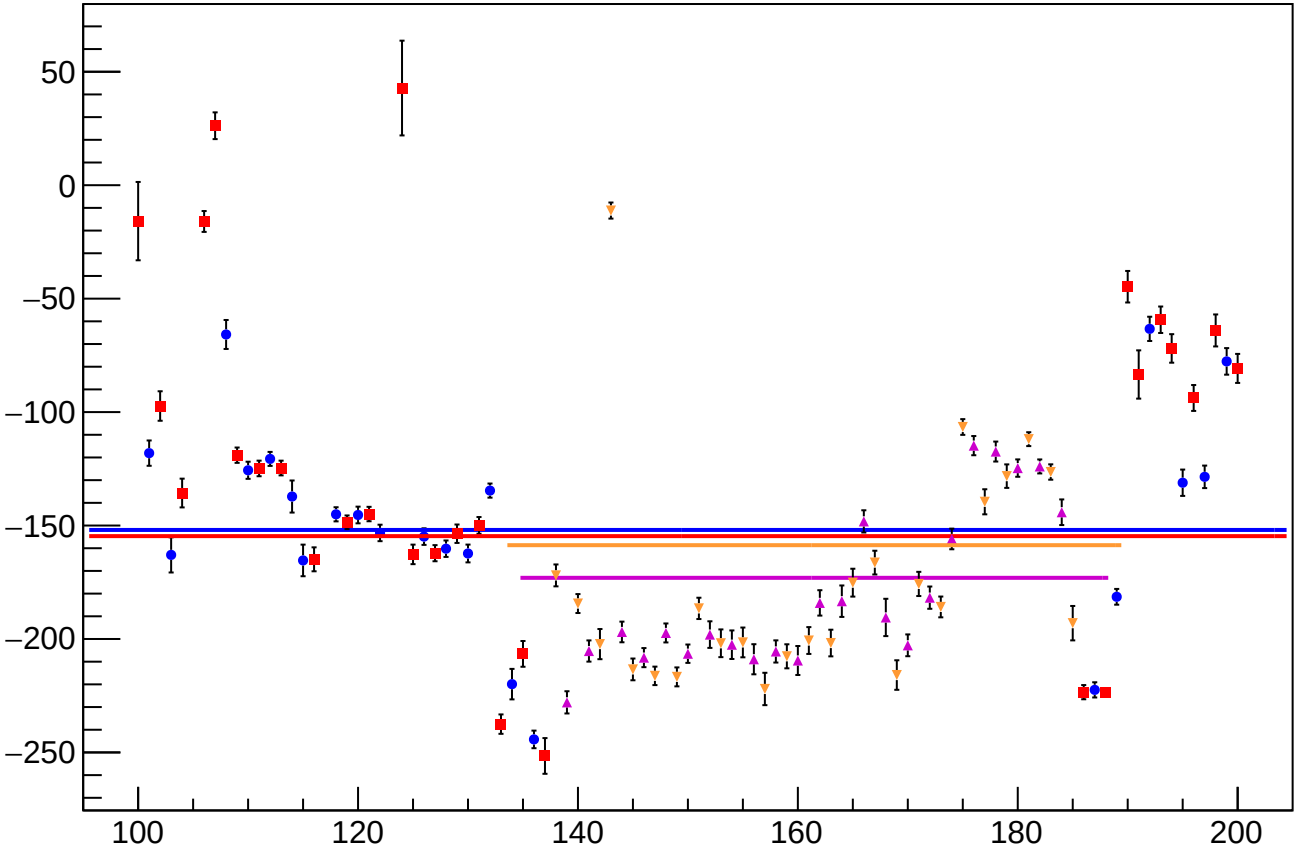
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.184+/-0.545 χ^2/NDF: 716.3/46

All: 1.011+/-0.388 χ^2/NDF: 1567.7/97

- sign 0.831+/-0.554 χ^2/NDF: 851.2/50

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -151.944+/-0.892 χ^2/NDF: 2088.5/21

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -154.666+/-0.791 χ^2/NDF: 6167.6/27

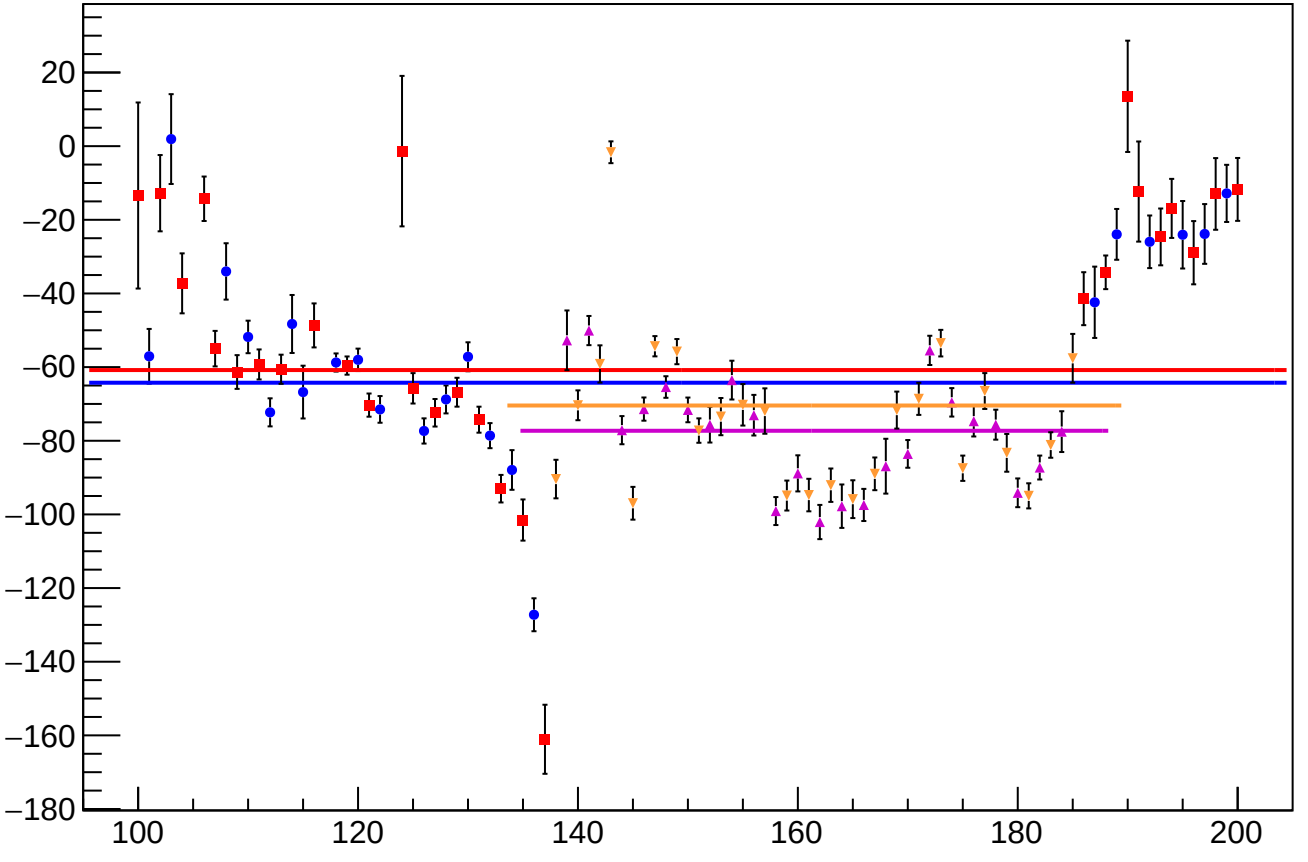
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

\+ sign -155.087+/-0.650 χ^2/NDF: 5606.8/46

All: -158.597+/-0.449 χ^2/NDF: 13438.7/97

\- sign -161.780+/-0.619 χ^2/NDF: 7776.4/50

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -64.241+/-0.984 χ^2/NDF: 486.4/21

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -60.802+/-0.953 χ^2/NDF: 586.8/27

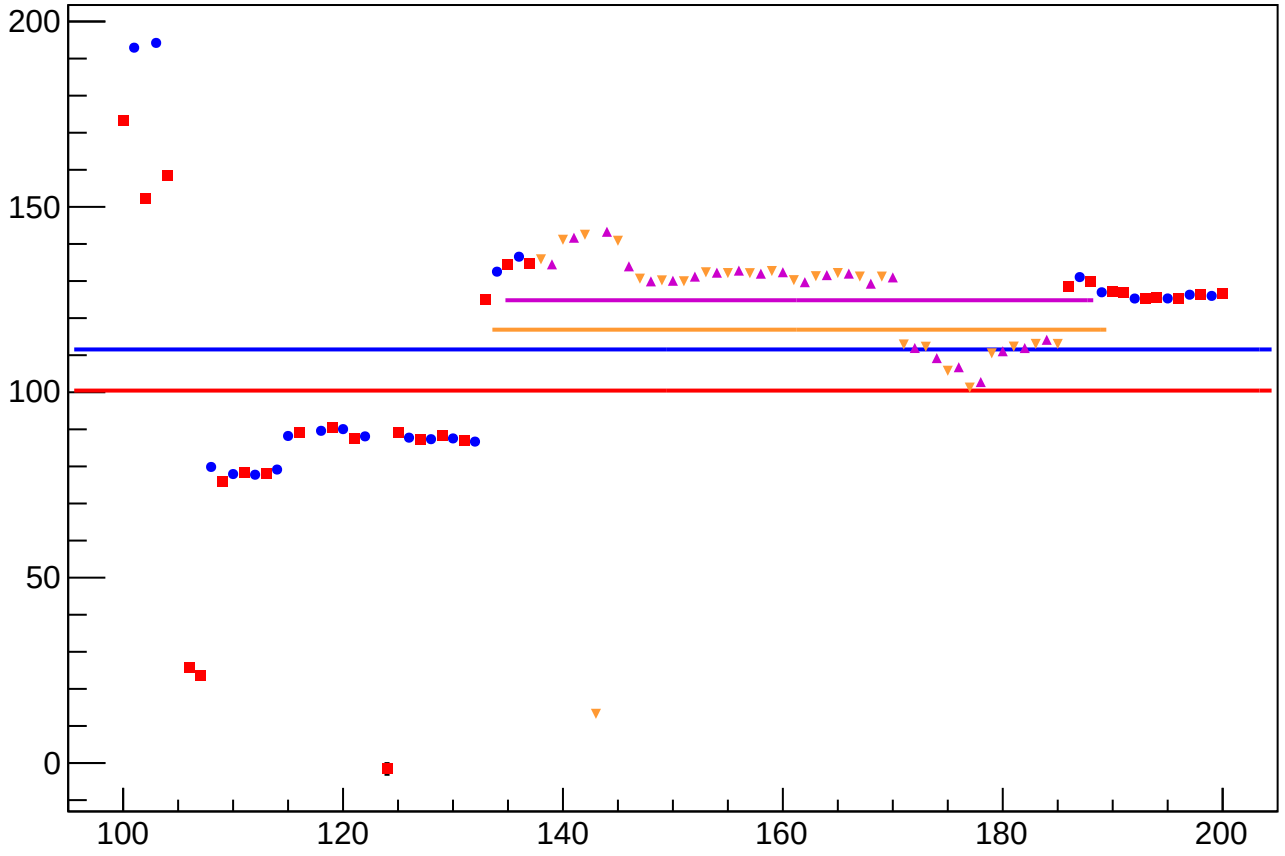
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -67.889+/-0.631 χ^2/NDF: 1411.4/46

All: -68.846+/-0.449 χ^2/NDF: 2421.1/97

- sign -69.834+/-0.641 χ^2/NDF: 1005.0/50

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 111.549+/-0.060 χ^2/NDF: 263850.1/21

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 100.456+/-0.054 χ^2/NDF: 490477.0/27

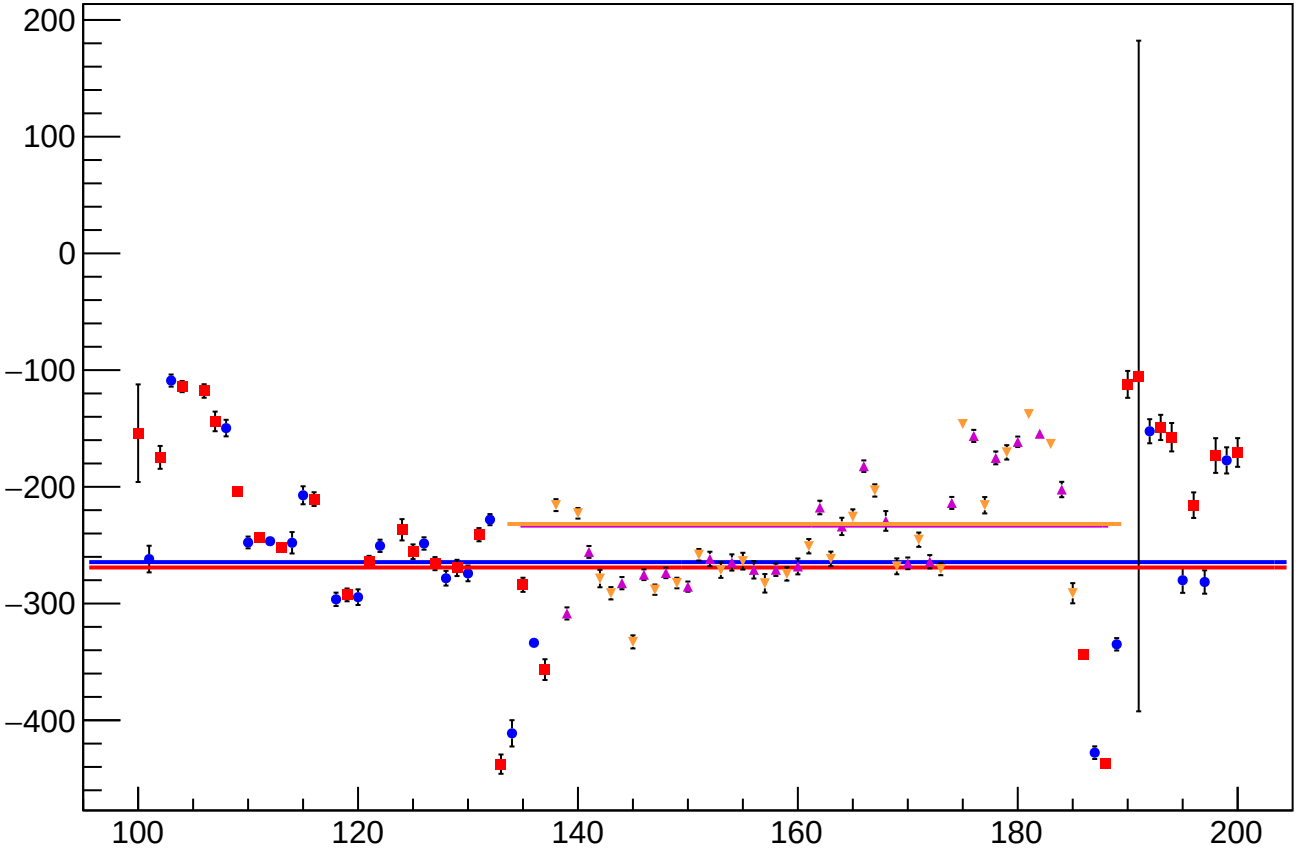
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.340+/-0.032 χ^2/NDF: 892623.1/46

All: 115.843+/-0.023 χ^2/NDF: 1605332.7/97

- sign 116.335+/-0.032 χ^2/NDF: 712223.9/50

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.515+/-1.303 χ^2/NDF: 3096.0/21

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -269.111+/-1.128 χ^2/NDF: 7315.5/27

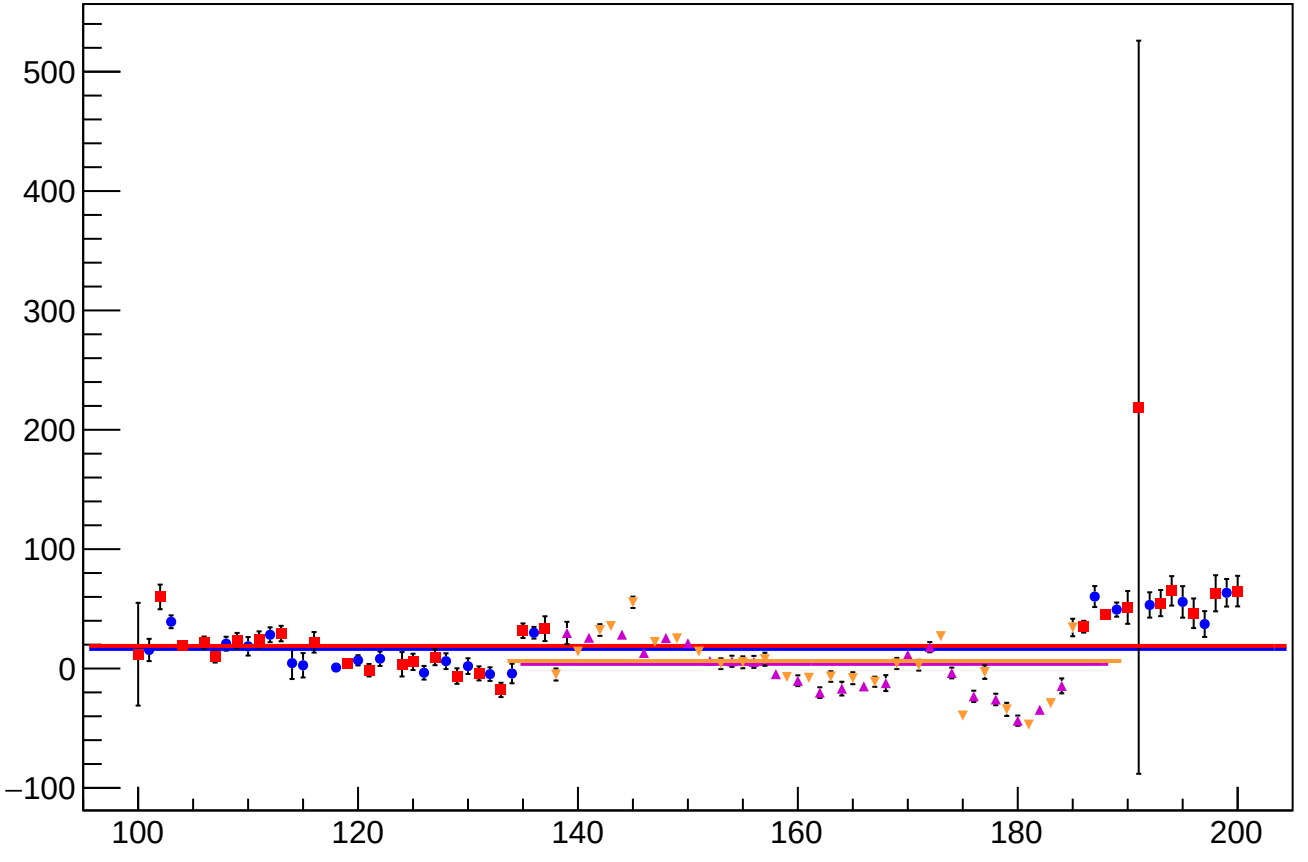
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.152+/-0.832 χ^2/NDF: 6145.2/46

All: -248.150+/-0.573 χ^2/NDF: 16066.7/97

- sign -250.857+/-0.790 χ^2/NDF: 9896.8/50

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 16.452+/-1.368 χ^2/NDF: 195.9/21

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.937+/-1.217 χ^2/NDF: 250.4/27

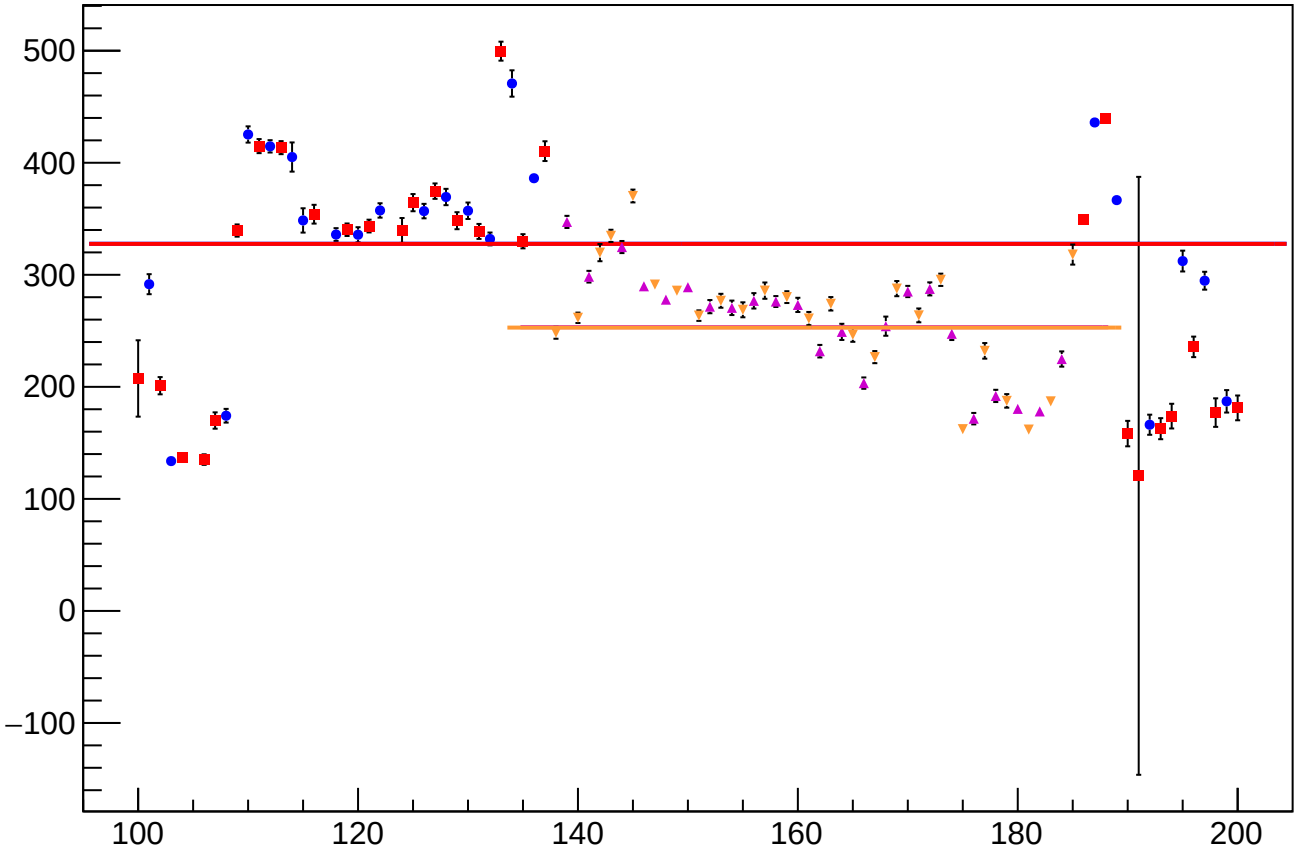
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

\+ sign 8.826+/-0.684 χ^2/NDF: 1108.7/46

All: 8.705+/-0.482 χ^2/NDF: 2114.6/97

\- sign 8.585+/-0.679 χ^2/NDF: 1005.8/50

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 327.720+/-1.350 χ^2/NDF: 5032.0/21

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 327.596+/-1.124 χ^2/NDF: 9482.0/27

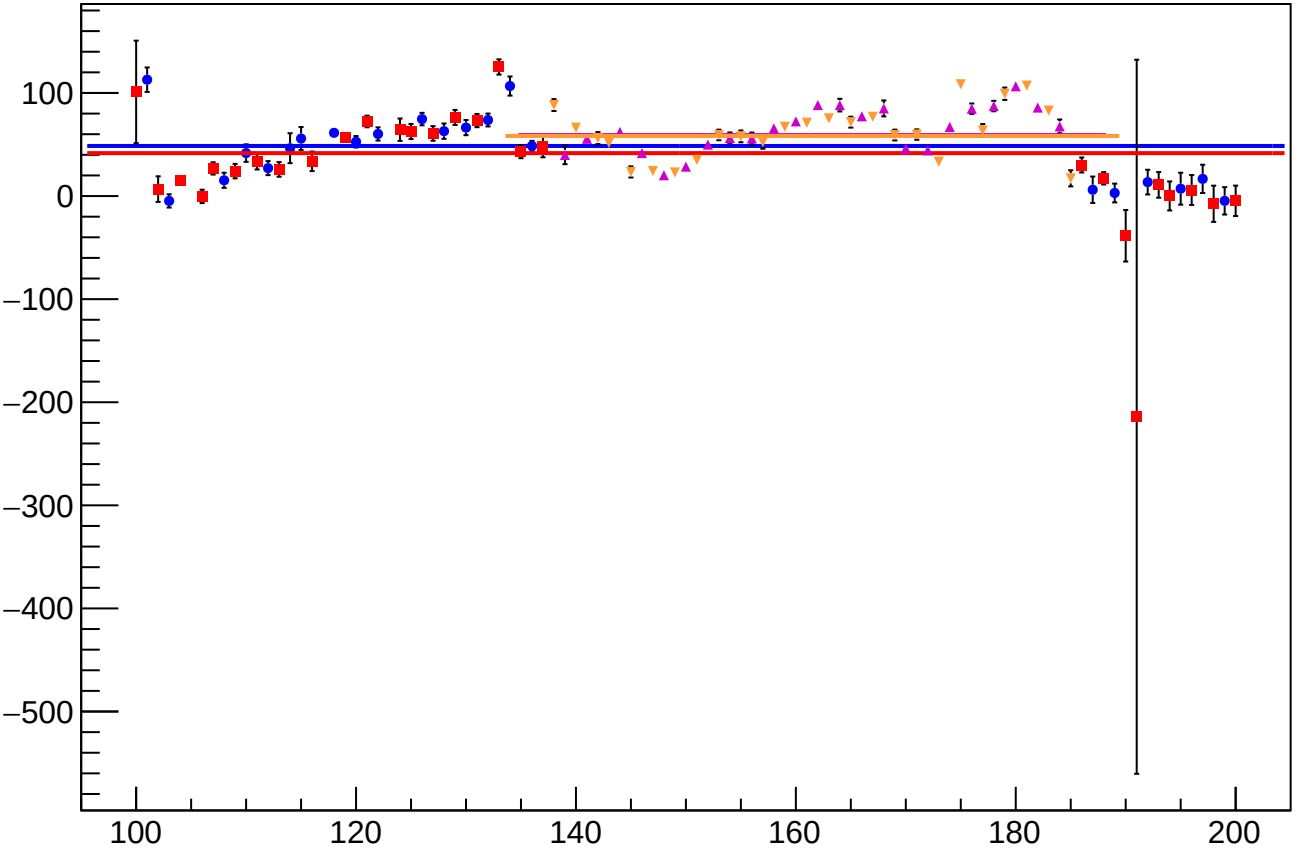
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 281.768+/-0.839 χ^2/NDF: 9497.2/46

All: 285.839+/-0.573 χ^2/NDF: 23330.8/97

- sign 289.393+/-0.784 χ^2/NDF: 13789.5/50

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 48.596+/-1.608 χ^2/NDF: 298.8/21

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 41.643+/-1.464 χ^2/NDF: 404.1/27

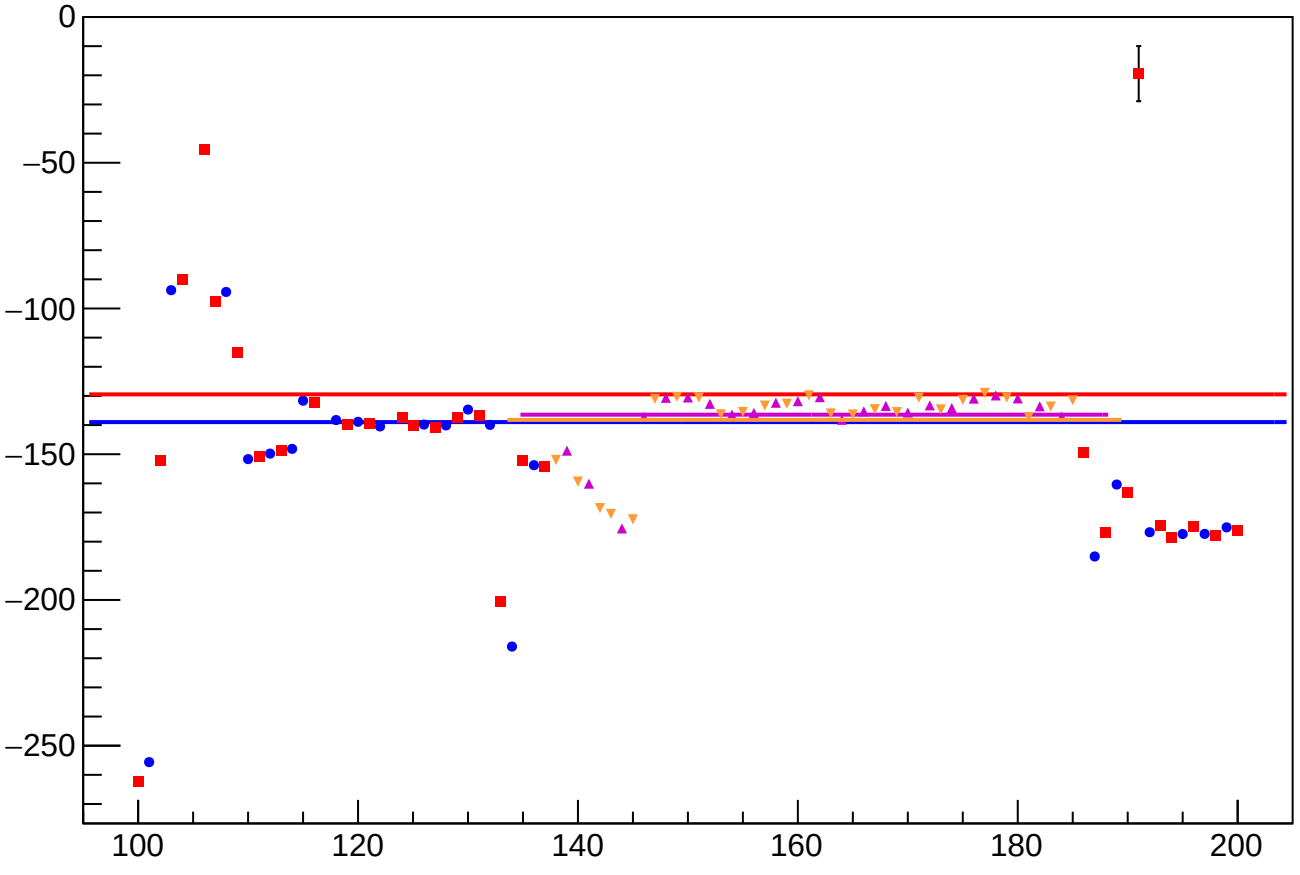
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

\+ sign 55.945+/-0.793 χ^2/NDF: 1176.6/46

All: 54.997+/-0.560 χ^2/NDF: 2317.4/97

\- sign 54.055+/-0.790 χ^2/NDF: 1137.9/50

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -138.981+/-0.081 χ^2/NDF: 221846.0/21

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -129.463+/-0.075 χ^2/NDF: 315558.3/27

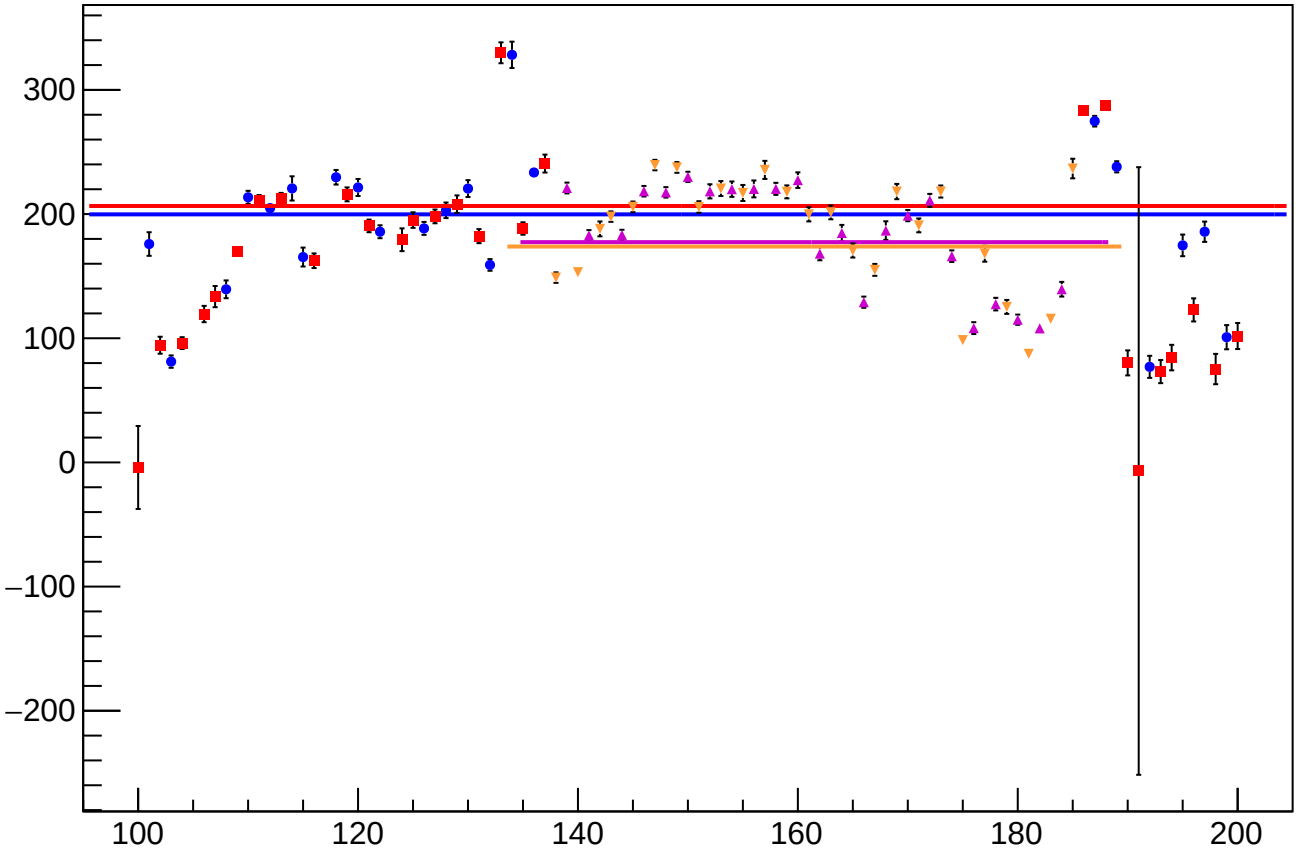
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.381+/-0.038 χ^2/NDF: 303743.6/46

All: -136.523+/-0.026 χ^2/NDF: 680406.6/97

- sign -134.712+/-0.037 χ^2/NDF: 371863.1/50

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 199.771+/-1.230 χ^2/NDF: 1735.4/21

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

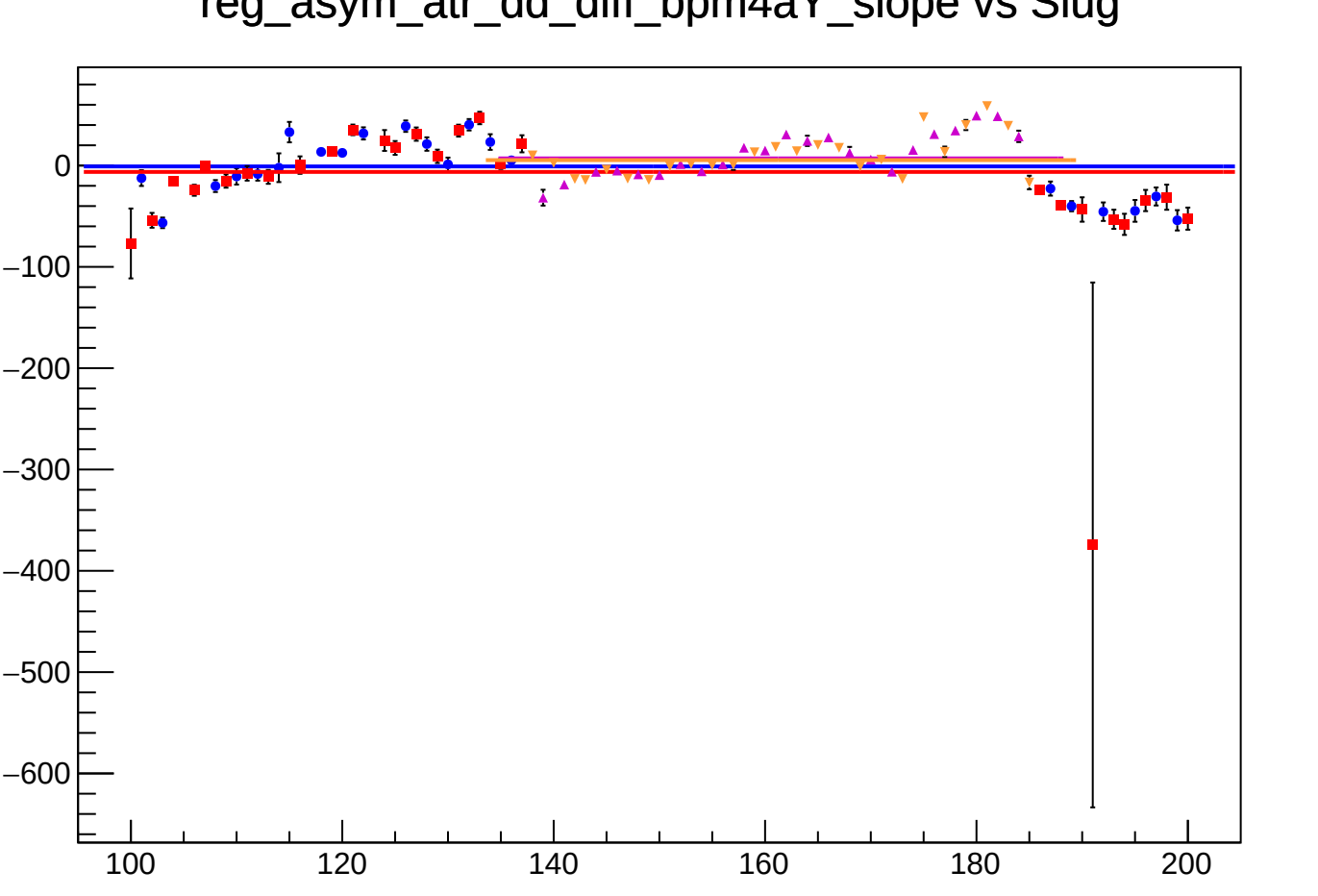
Right Out: 206.519+/-1.059 χ^2/NDF: 4009.2/27

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 183.694+/-0.758 χ^2/NDF: 4638.2/46

All: 187.543+/-0.524 χ^2/NDF: 11061.2/97

\- sign 191.068+/-0.725 χ^2/NDF: 6373.6/50



Right In: -0.868+/-1.309 χ^2/NDF: 473.0/21

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -6.274+/-1.161 χ^2/NDF: 569.1/27

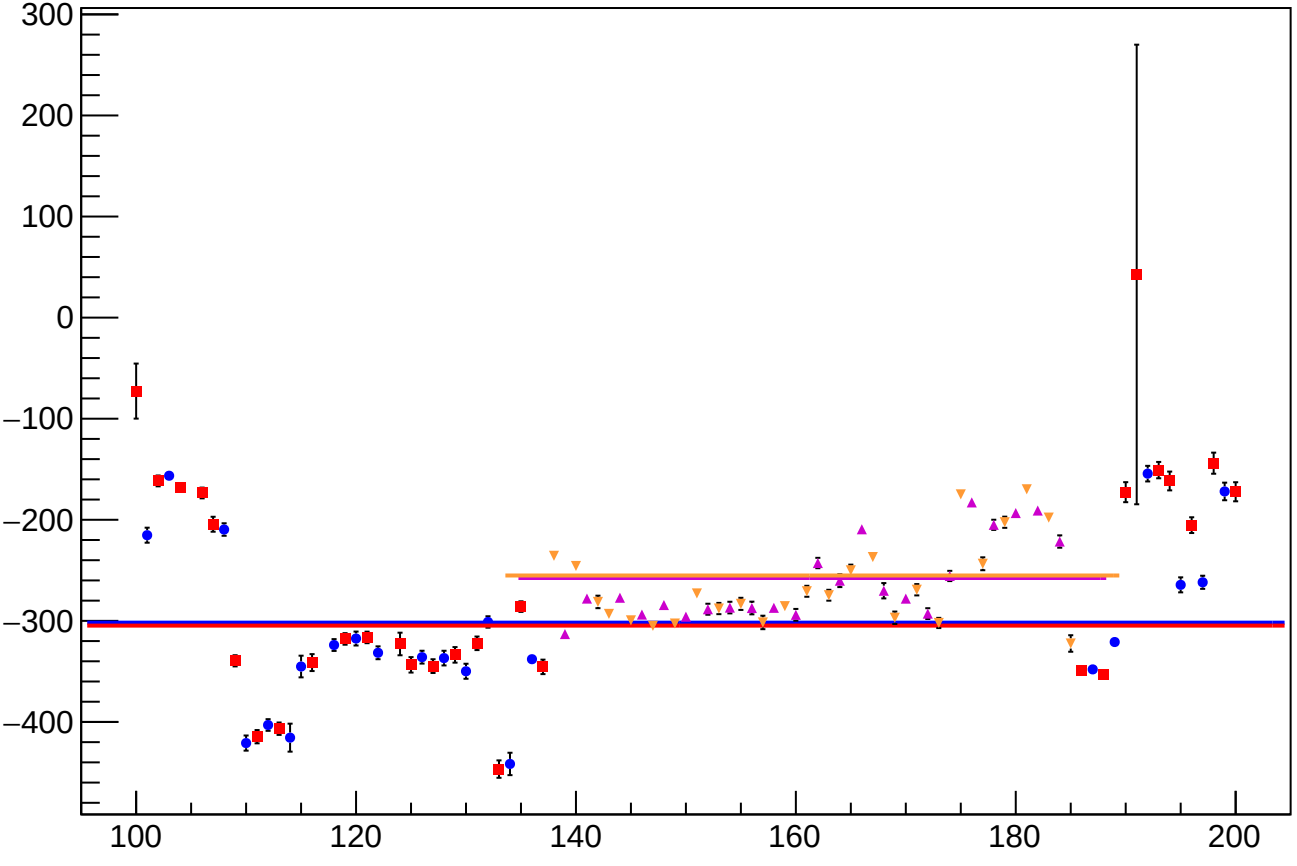
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 3.945+/-0.624 χ^2/NDF: 1300.4/46

All: 3.571+/-0.442 χ^2/NDF: 2673.7/97

- sign 3.197+/-0.625 χ^2/NDF: 1372.5/50

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -301.768+/-1.239 χ^2/NDF: 3635.7/21

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -304.702+/-1.022 χ^2/NDF: 6220.5/27

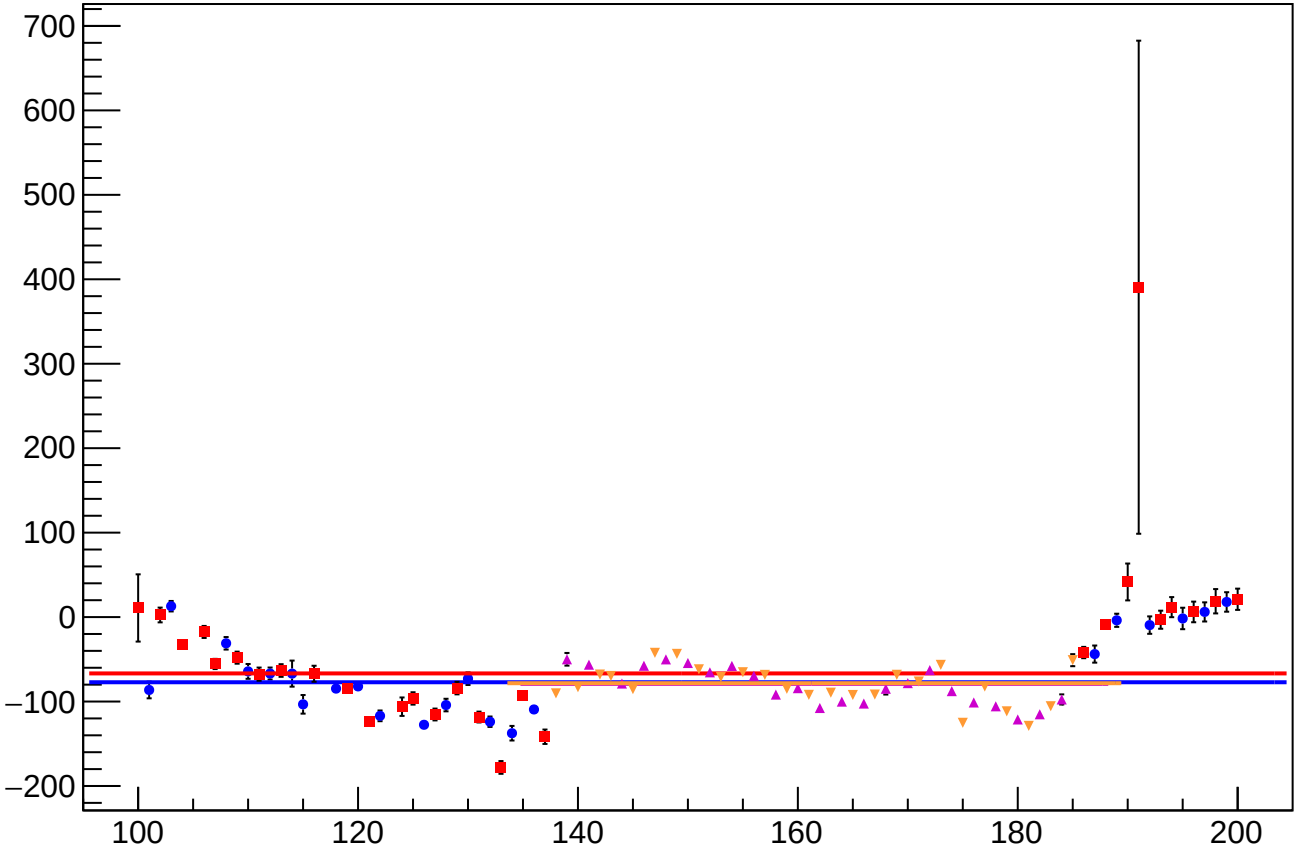
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -272.544+/-0.757 χ^2/NDF: 6869.2/46

All: -276.661+/-0.518 χ^2/NDF: 16054.4/97

- sign -280.275+/-0.709 χ^2/NDF: 9129.7/50

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -77.166+/-1.539 χ^2/NDF: 855.5/21

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -66.699+/-1.404 χ^2/NDF: 1143.4/27

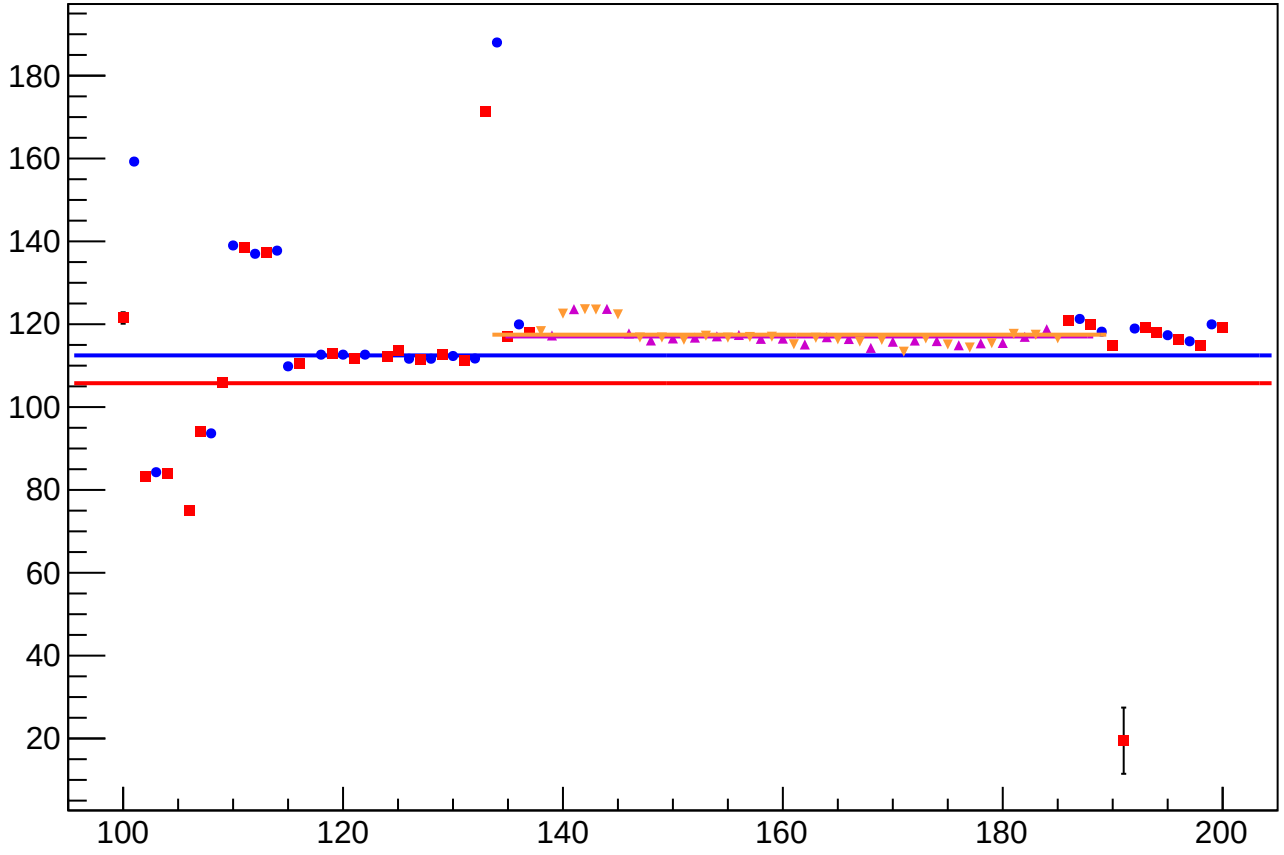
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -78.044+/-0.723 χ^2/NDF: 1724.1/46

All: -76.906+/-0.512 χ^2/NDF: 3631.9/97

- sign -75.756+/-0.726 χ^2/NDF: 1902.9/50

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.473+/-0.075 χ^2/NDF: 85561.9/21

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 105.763+/-0.069 χ^2/NDF: 75174.8/27

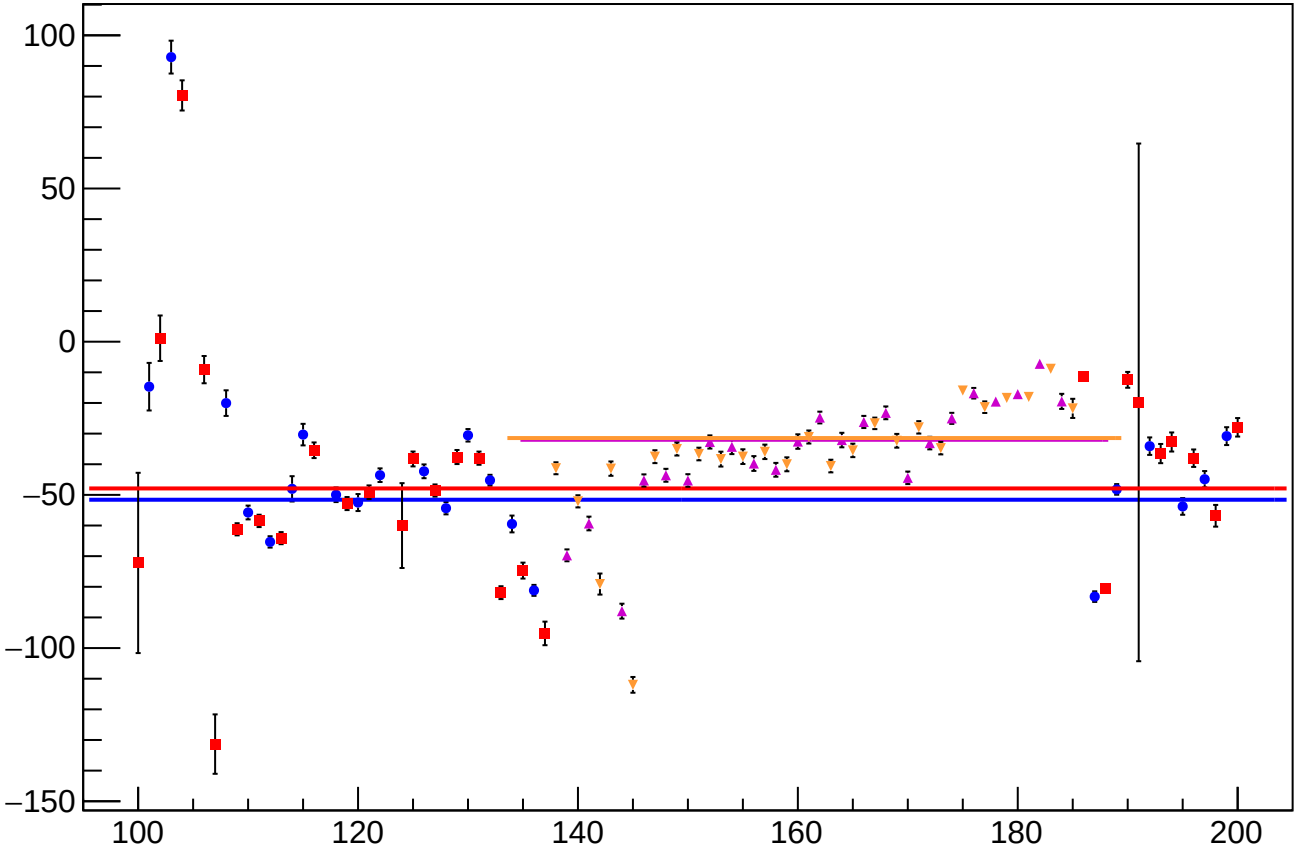
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.459+/-0.034 χ^2/NDF: 93827.8/46

All: 115.397+/-0.024 χ^2/NDF: 194690.8/97

- sign 114.351+/-0.034 χ^2/NDF: 98918.6/50

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -51.584+/-0.508 χ^2/NDF: 1768.3/21

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.898+/-0.434 χ^2/NDF: 4182.4/27

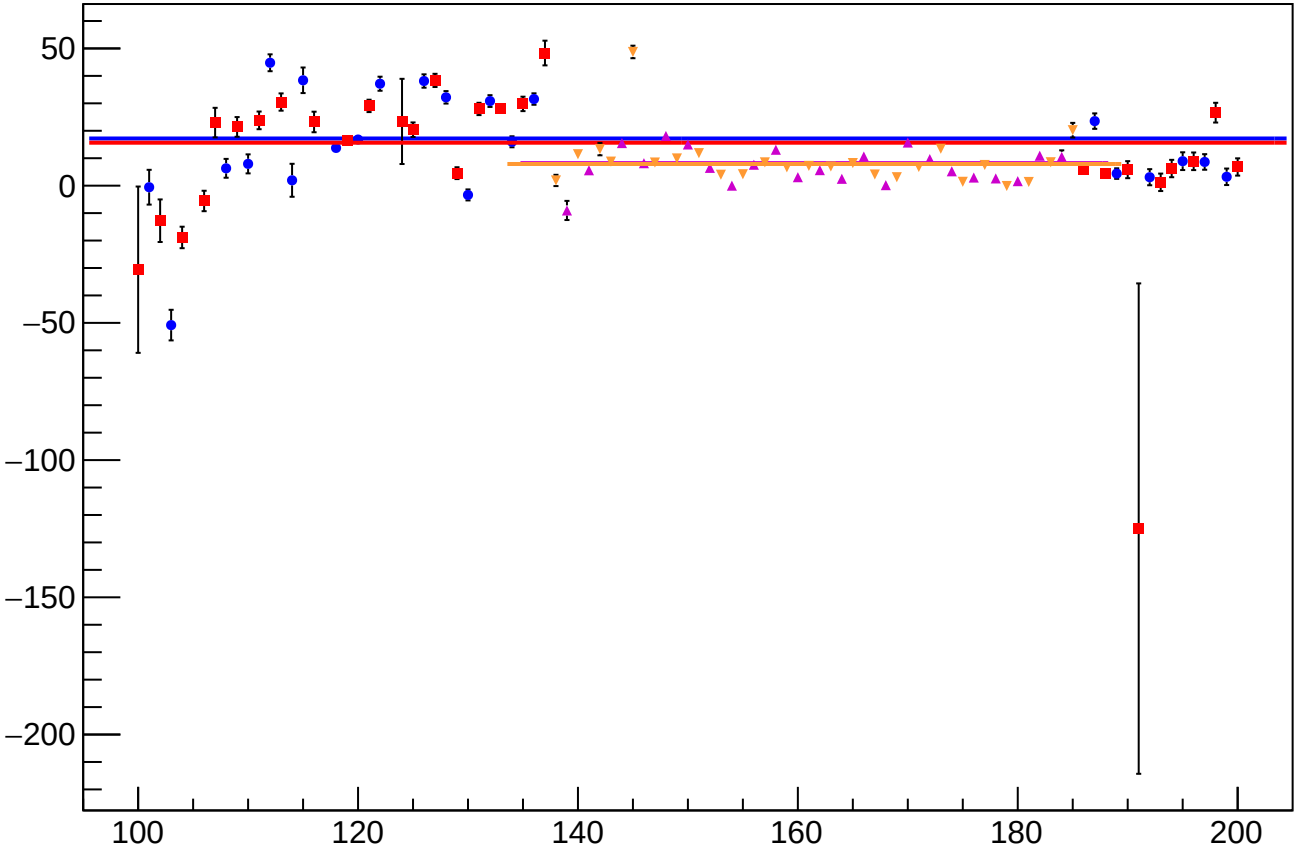
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.129+/-0.314 χ^2/NDF: 4731.9/46

All: -39.313+/-0.216 χ^2/NDF: 11536.6/97

- sign -39.479+/-0.298 χ^2/NDF: 6804.1/50

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.189+/-0.533 χ^2/NDF: 768.0/21

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.653+/-0.483 χ^2/NDF: 682.1/27

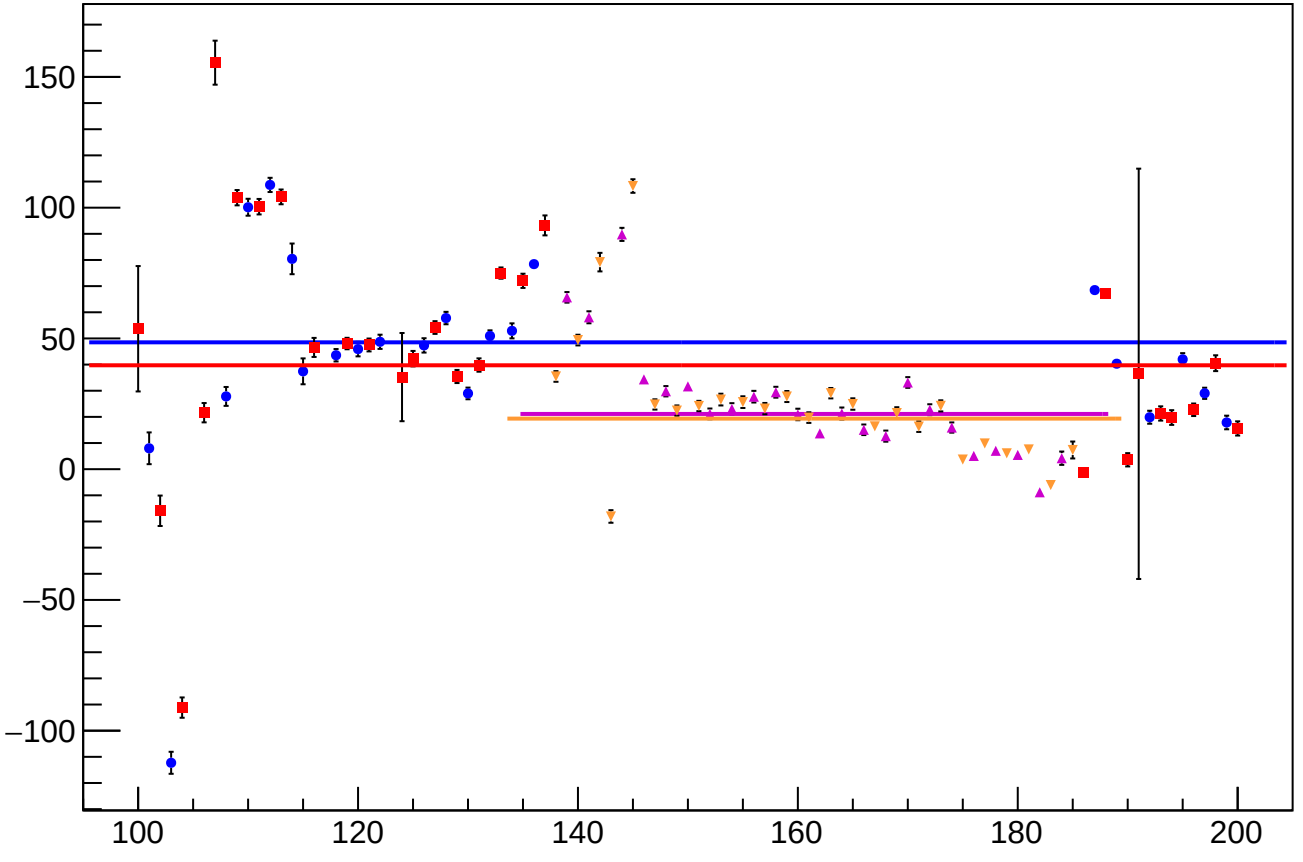
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.173+/-0.264 χ^2/NDF: 1487.6/46

All: 10.308+/-0.187 χ^2/NDF: 2674.7/97

\- sign 10.444+/-0.264 χ^2/NDF: 1186.6/50

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 48.506+/-0.518 χ^2/NDF: 3285.3/21

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 39.729+/-0.415 χ^2/NDF: 7491.8/27

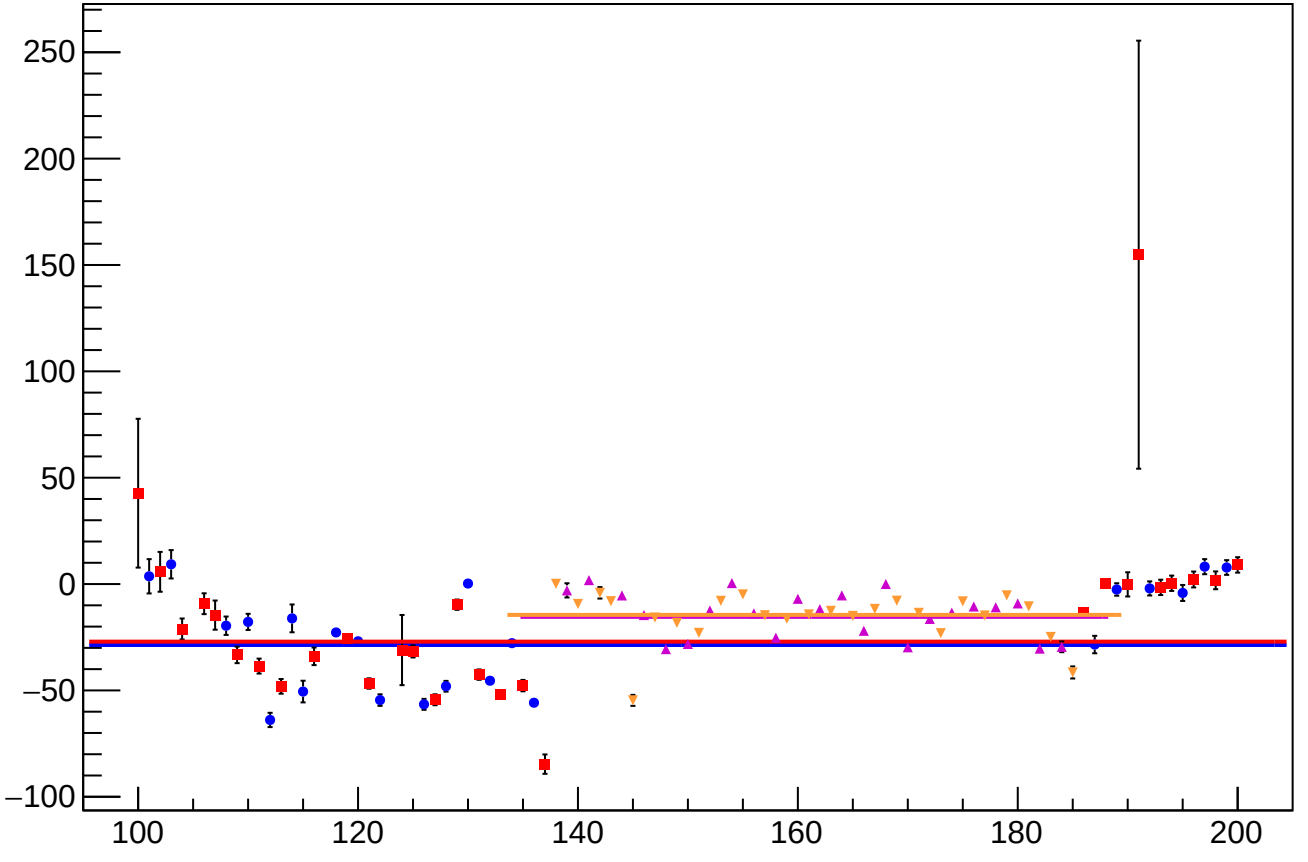
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.089+/-0.314 χ^2/NDF: 7971.4/46

All: 30.140+/-0.213 χ^2/NDF: 18996.9/97

- sign 30.184+/-0.290 χ^2/NDF: 11025.4/50

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -28.637+/-0.627 χ^2/NDF: 1263.7/21

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -27.068+/-0.591 χ^2/NDF: 1324.8/27

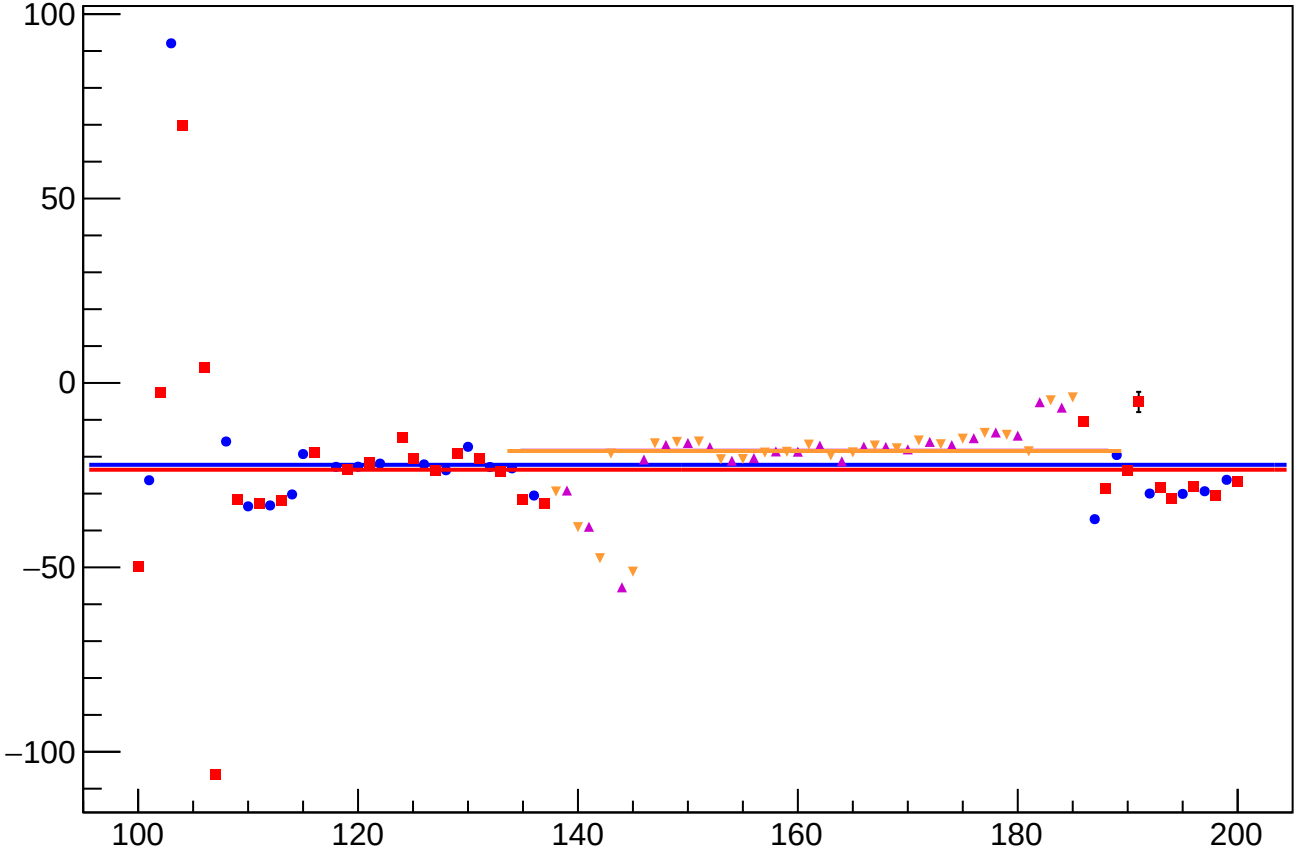
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.770+/-0.302 χ^2/NDF: 2295.2/46

All: -18.138+/-0.214 χ^2/NDF: 4707.4/97

- sign -18.513+/-0.304 χ^2/NDF: 2409.2/50

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -22.192+/-0.032 χ^2/NDF: 456543.0/21

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.527+/-0.031 χ^2/NDF: 378271.0/27

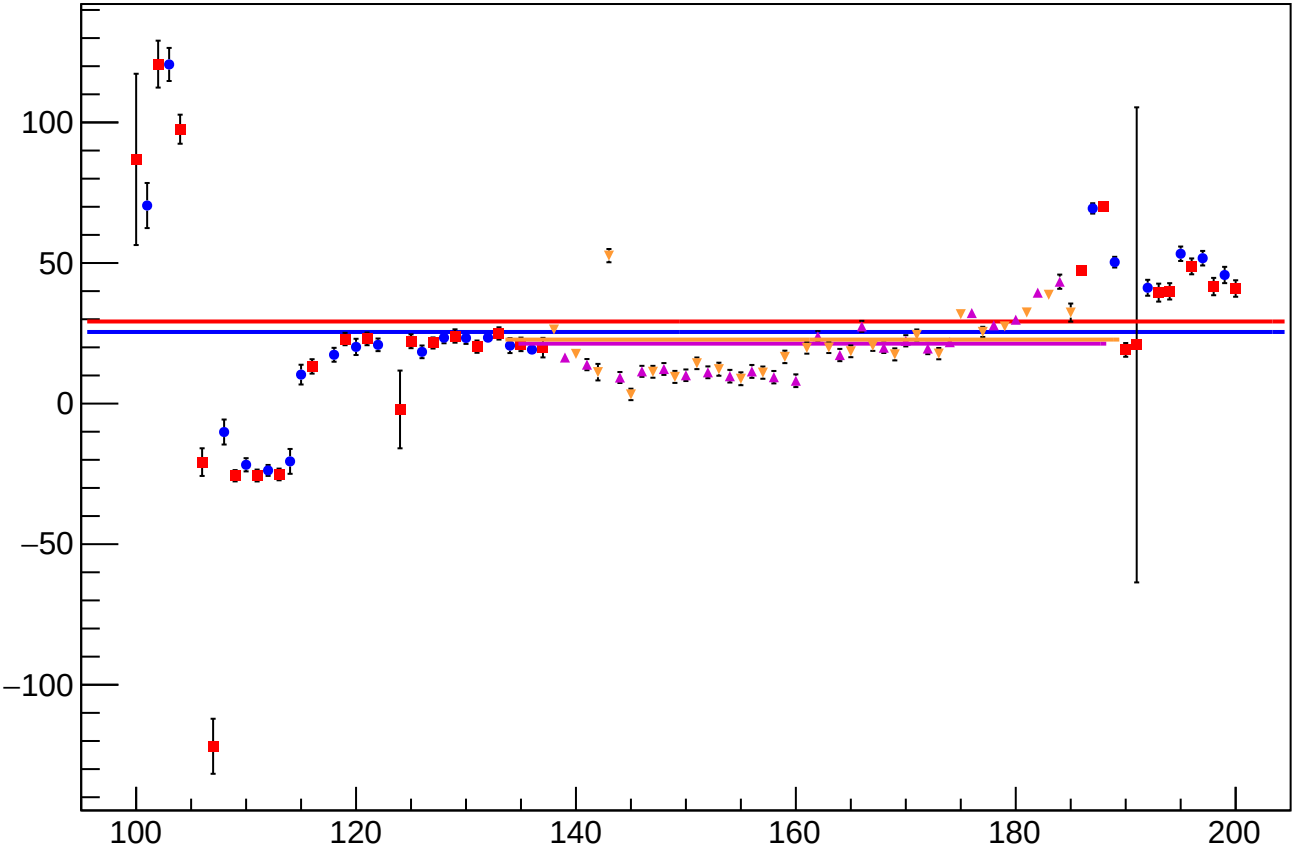
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.146+/-0.014 χ^2/NDF: 762773.5/46

All: -19.295+/-0.010 χ^2/NDF: 1413454.9/97

- sign -19.445+/-0.014 χ^2/NDF: 650452.9/50

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 25.471+/-0.516 χ^2/NDF: 2618.3/21

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 29.201+/-0.454 χ^2/NDF: 4639.2/27

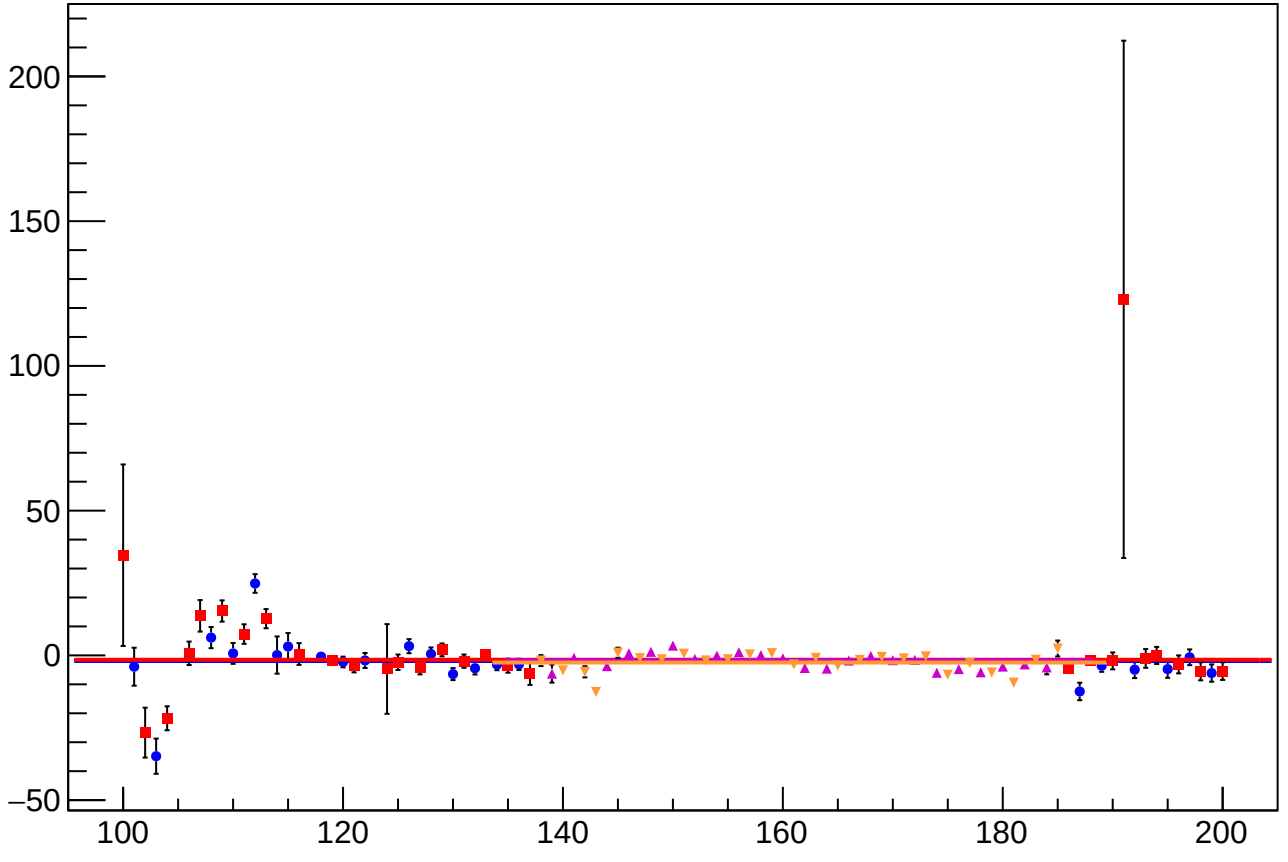
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.727+/-0.307 χ^2/NDF: 3358.8/46

All: 24.227+/-0.214 χ^2/NDF: 8805.2/97

- sign 24.695+/-0.297 χ^2/NDF: 5441.2/50

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.944+/-0.541 χ^2/NDF: 135.6/21

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.509+/-0.503 χ^2/NDF: 105.3/27

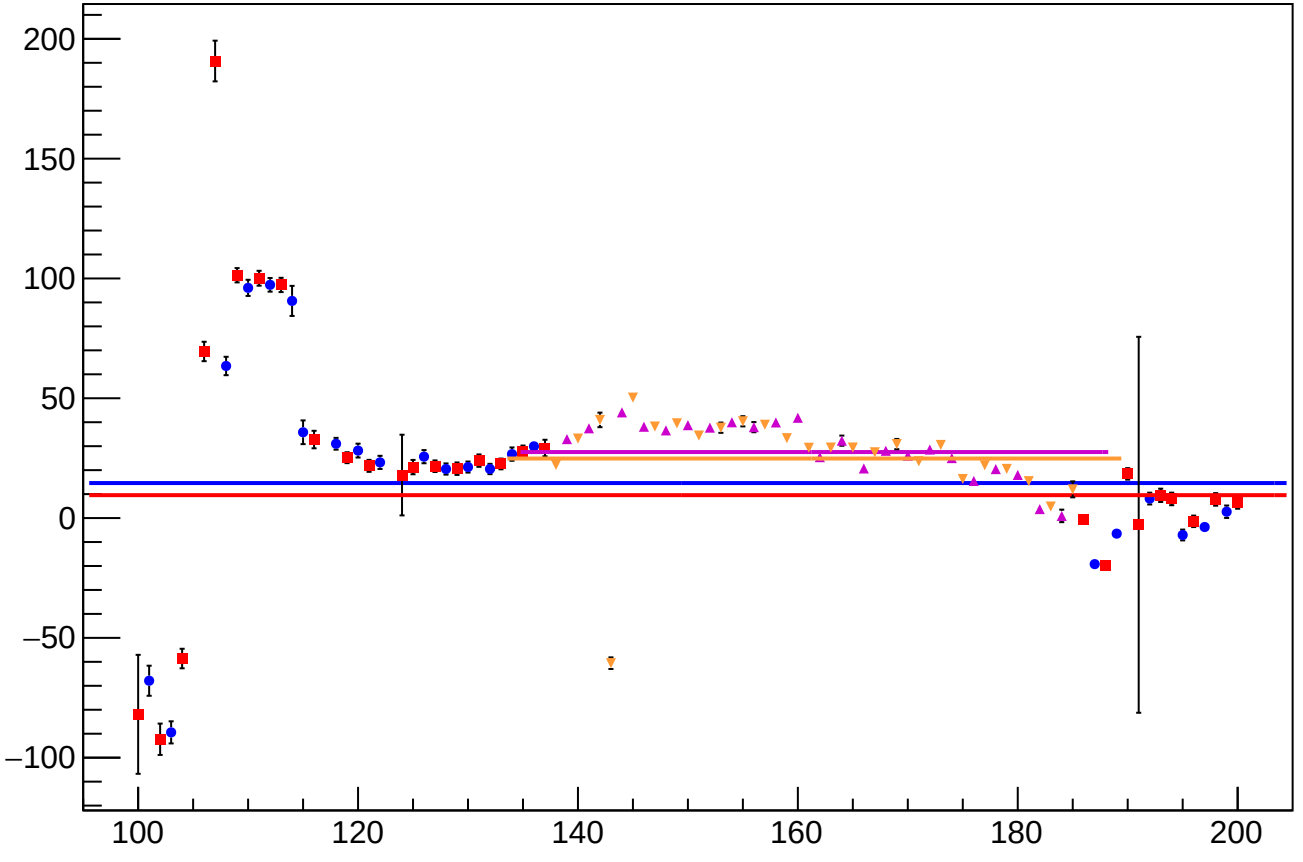
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.349+/-0.258 χ^2/NDF: 253.0/46

All: -1.988+/-0.183 χ^2/NDF: 432.5/97

- sign -1.619+/-0.260 χ^2/NDF: 175.6/50

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 14.614+/-0.528 χ^2/NDF: 3520.8/21

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.561+/-0.441 χ^2/NDF: 5480.8/27

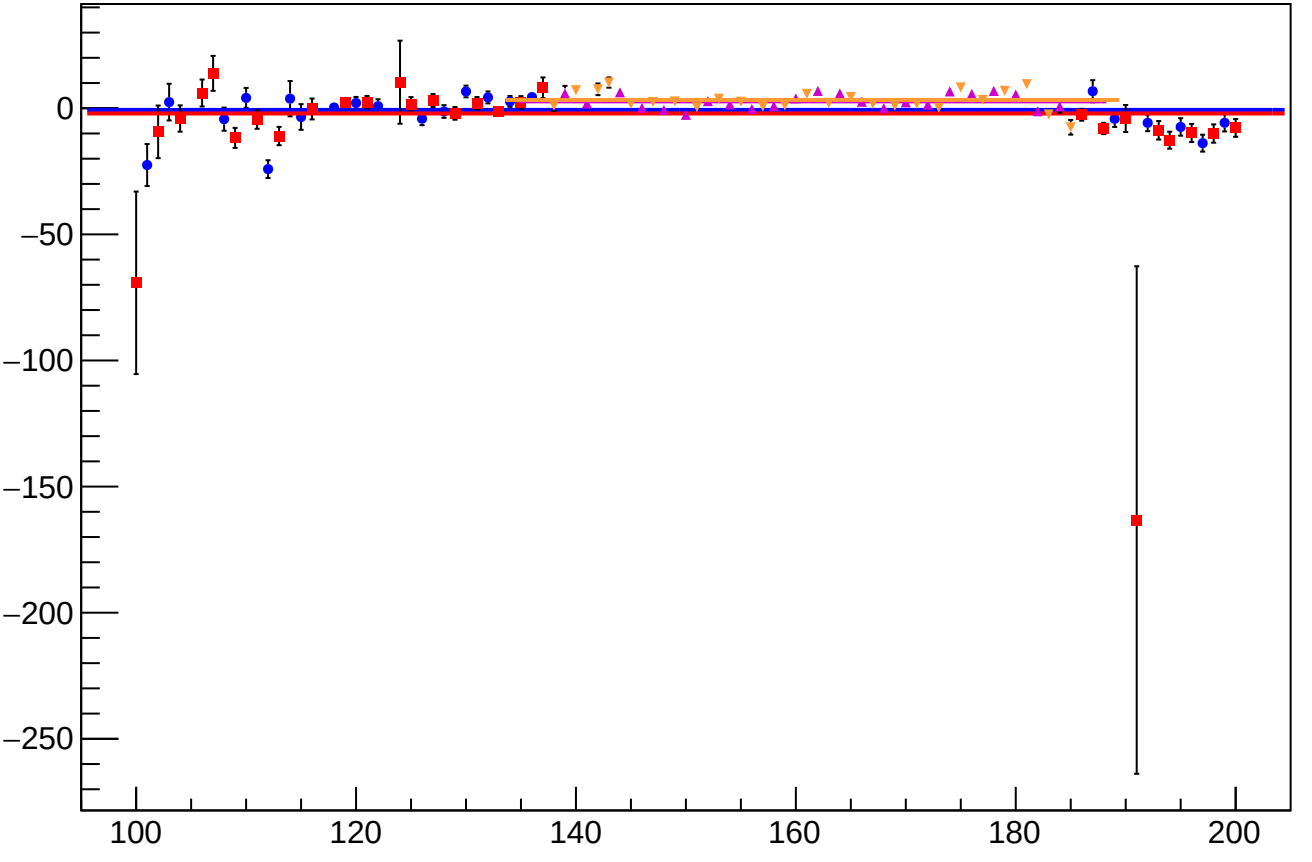
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.356+/-0.308 χ^2/NDF: 5817.4/46

All: 20.475+/-0.212 χ^2/NDF: 13131.4/97

- sign 19.685+/-0.292 χ^2/NDF: 7298.4/50

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.657+/-0.631 χ^2/NDF: 109.7/21

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.079+/-0.607 χ^2/NDF: 86.0/27

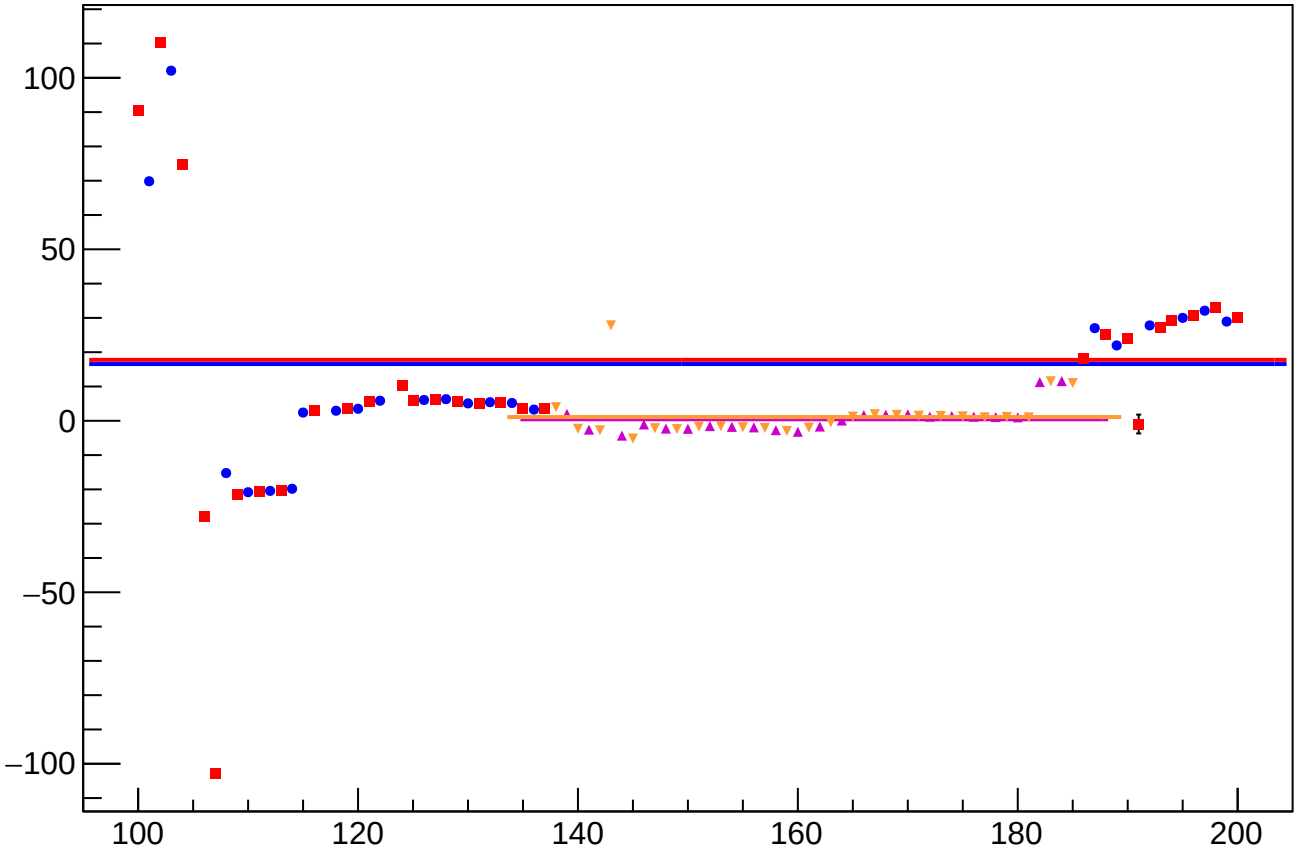
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.434+/-0.293 χ^2/NDF: 246.7/46

All: 2.009+/-0.209 χ^2/NDF: 459.1/97

- sign 1.570+/-0.298 χ^2/NDF: 208.2/50

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 16.547+/-0.032 χ^2/NDF: 439567.8/21

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 17.773+/-0.031 χ^2/NDF: 595409.0/27

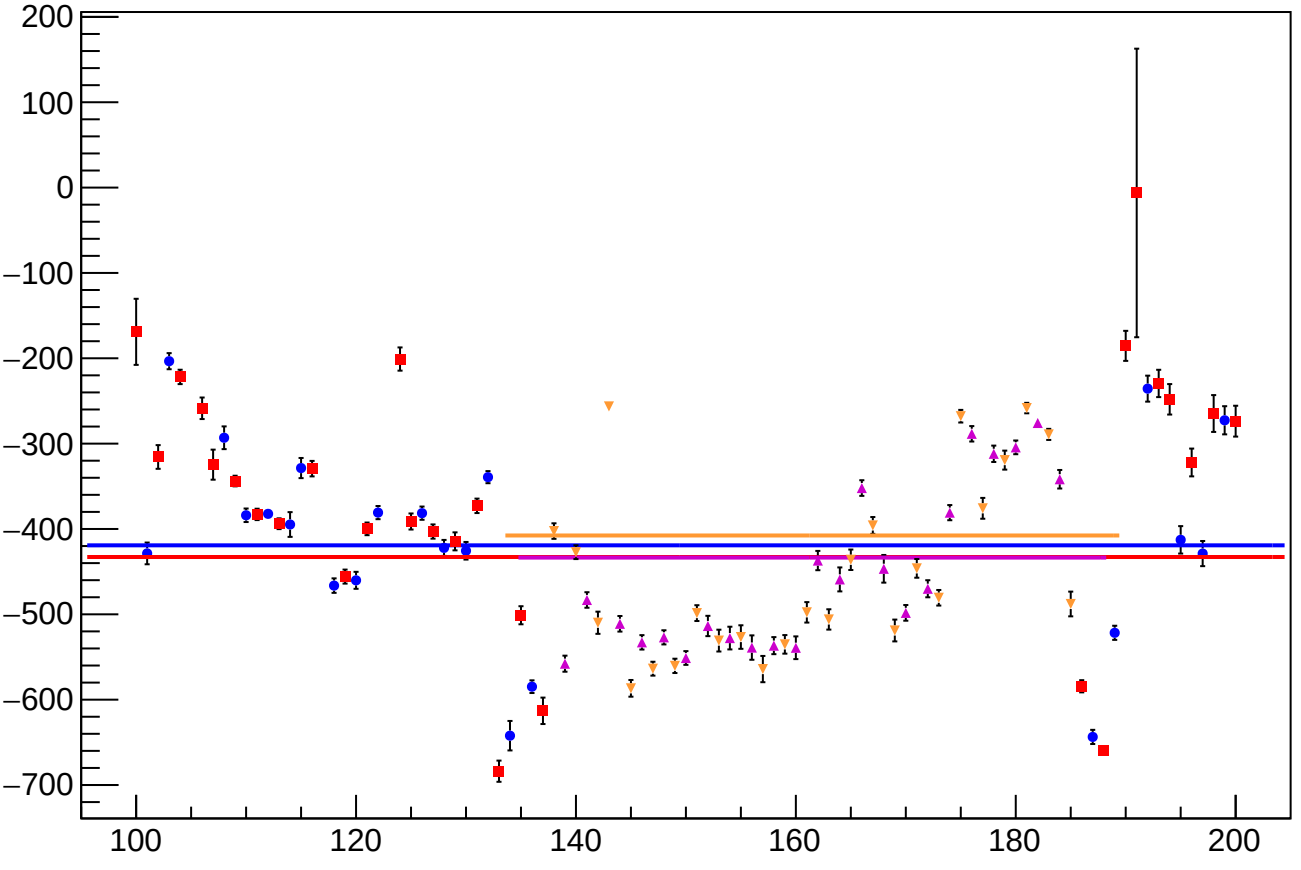
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

\+ sign 3.848+/-0.013 χ^2/NDF: 761664.8/46

All: 3.839+/-0.010 χ^2/NDF: 1668441.8/97

\- sign 3.830+/-0.014 χ^2/NDF: 906776.1/50

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -419.164+/-2.018 χ^2/NDF: 2731.7/21

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -432.844+/-1.789 χ^2/NDF: 6168.7/27

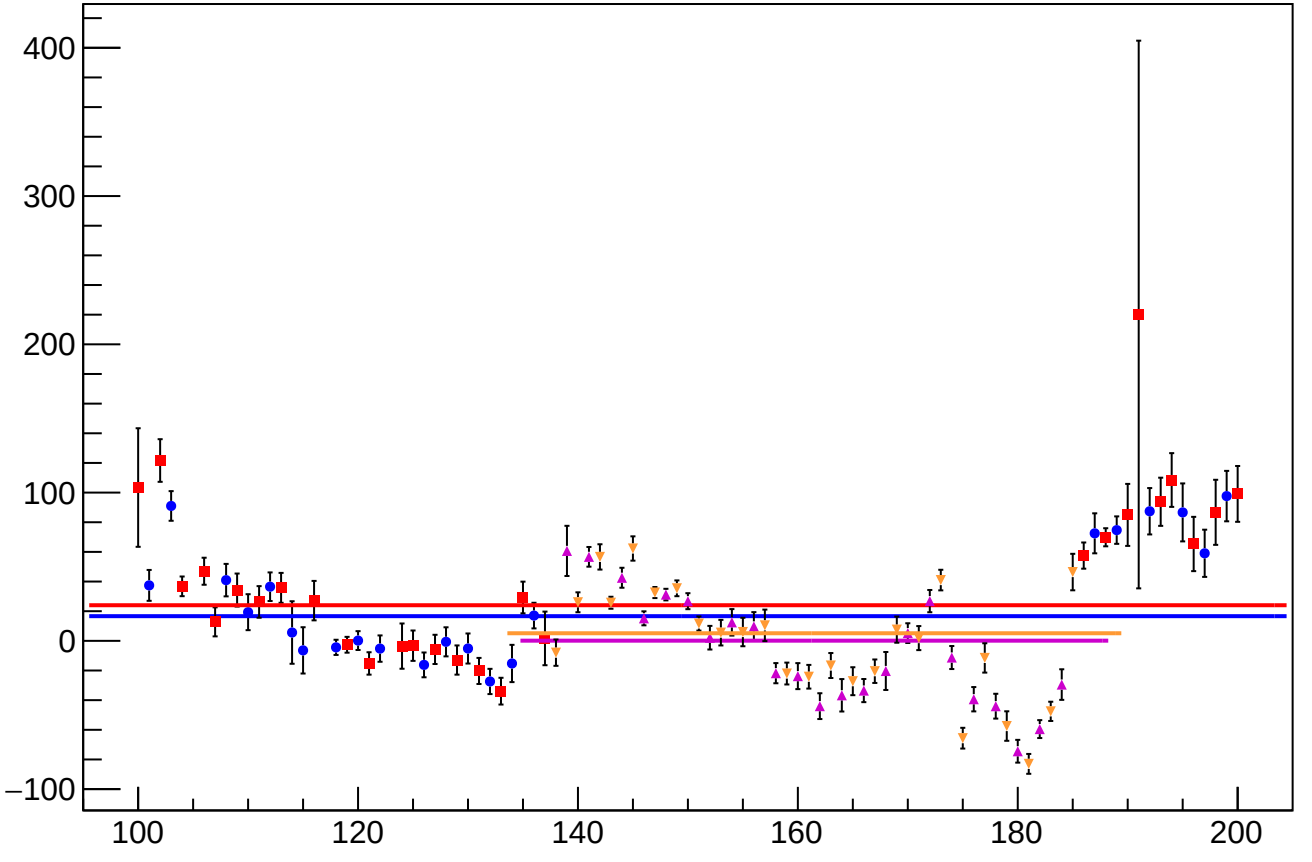
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -412.947+/-1.371 χ^2/NDF: 6755.0/46

All: -423.342+/-0.955 χ^2/NDF: 15760.0/97

- sign -433.150+/-1.332 χ^2/NDF: 8893.3/50

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.647+/-2.102 χ^2/NDF: 276.5/21

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 24.026+/-1.947 χ^2/NDF: 367.5/27

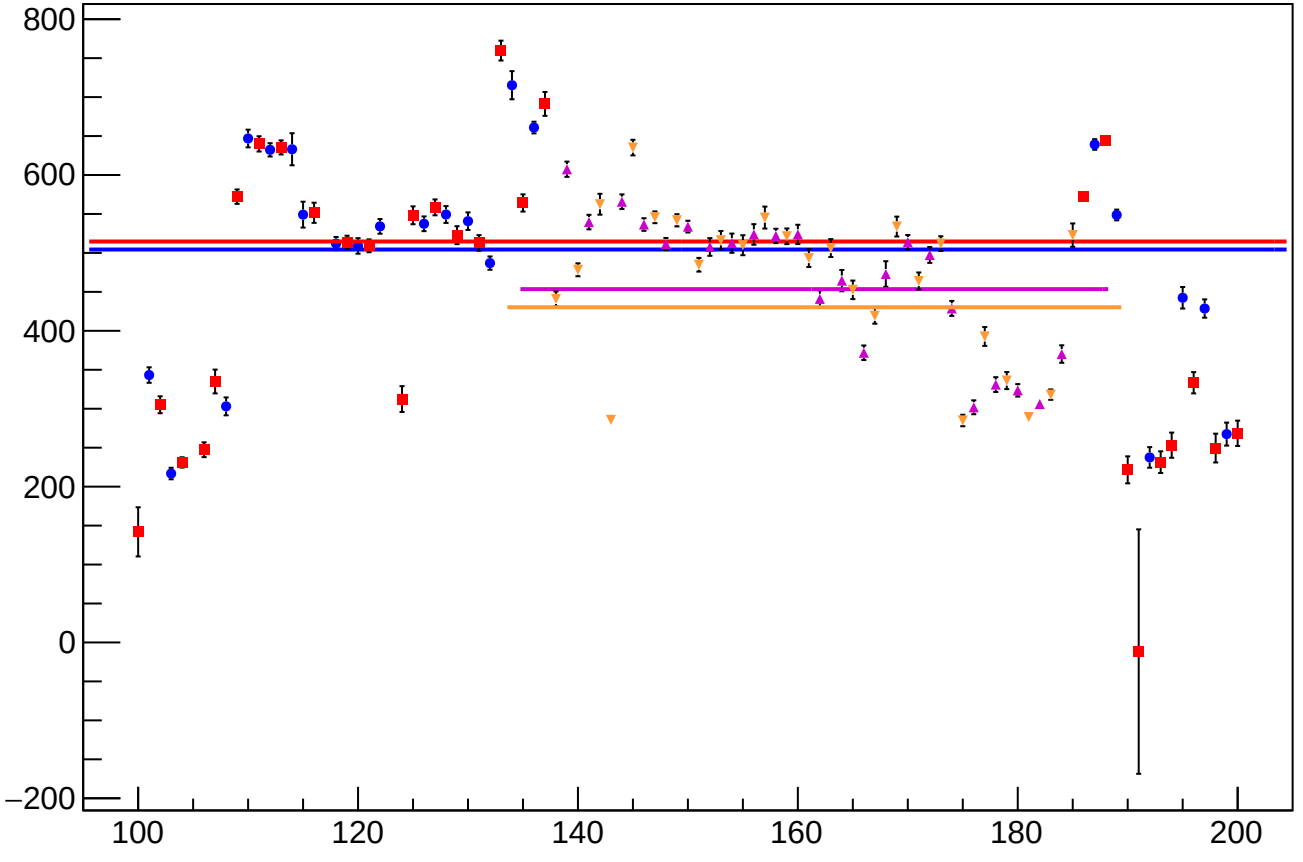
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 8.591+/-1.153 χ^2/NDF: 986.7/46

All: 8.766+/-0.826 χ^2/NDF: 2017.9/97

- sign 8.950+/-1.183 χ^2/NDF: 1031.1/50

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 504.347+/-2.103 χ^2/NDF: 4293.7/21

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 514.652+/-1.798 χ^2/NDF: 7393.6/27

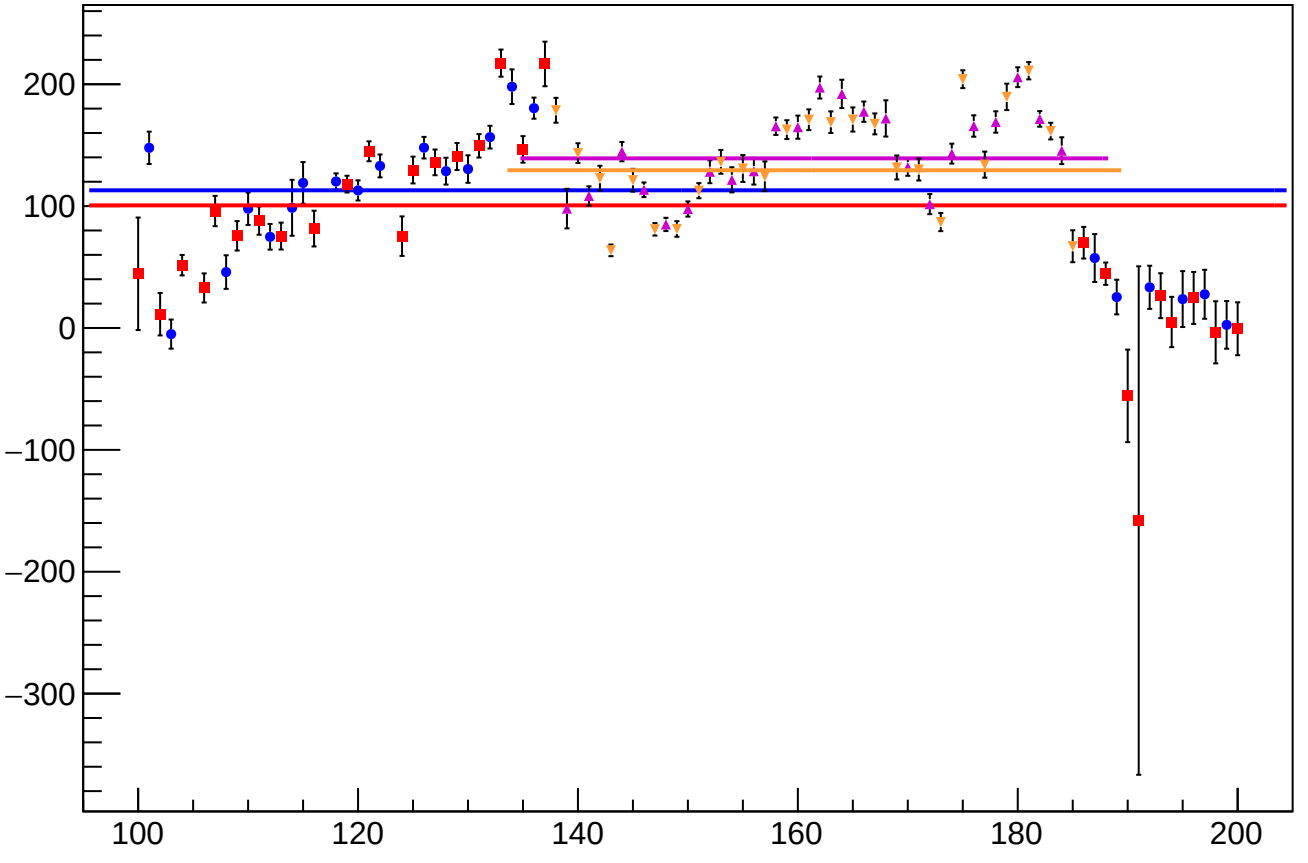
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 462.785+/-1.394 χ^2/NDF: 8395.2/46

All: 475.421+/-0.962 χ^2/NDF: 18890.0/97

- sign 486.916+/-1.329 χ^2/NDF: 10337.8/50

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 112.979+/-2.480 χ^2/NDF: 418.2/21

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 100.607+/-2.330 χ^2/NDF: 520.7/27

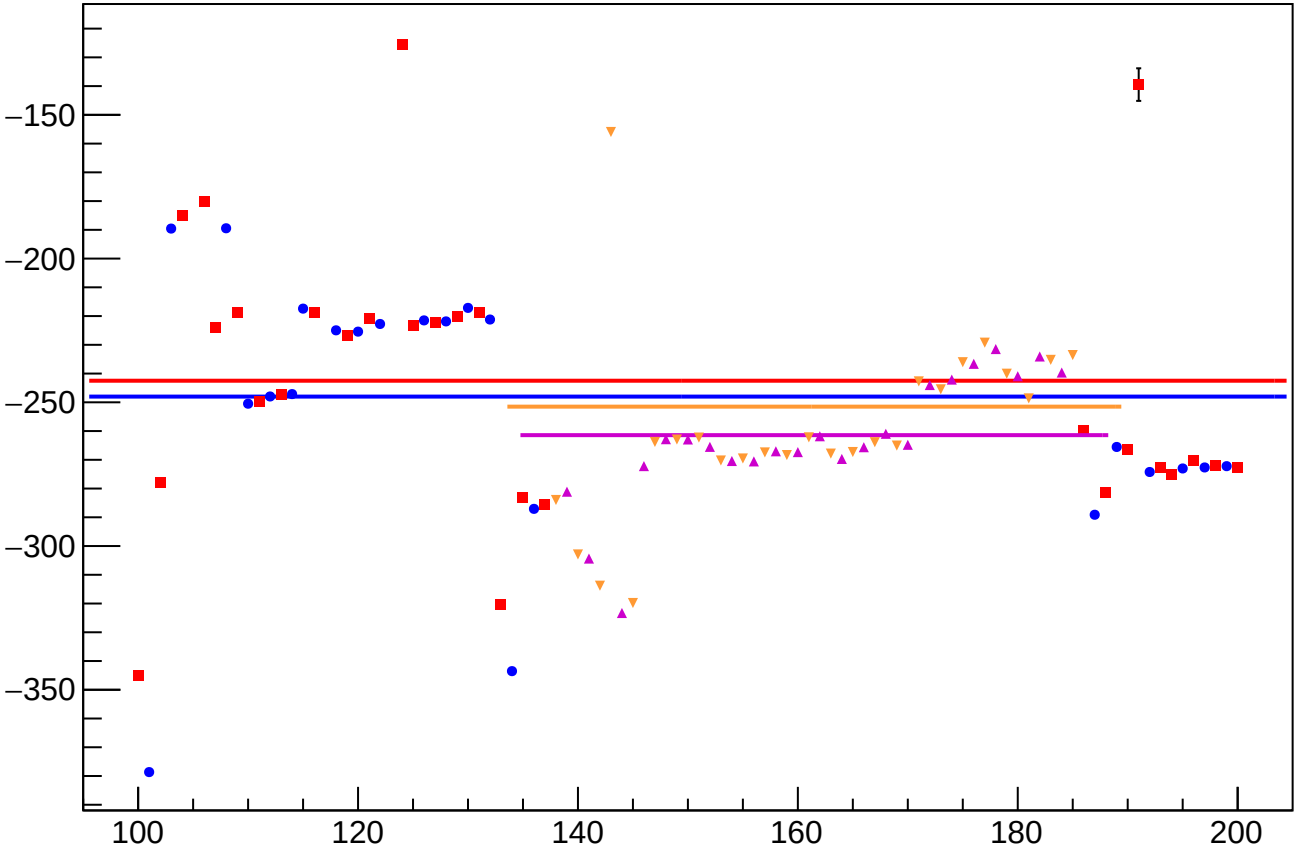
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 124.618+/-1.340 χ^2/NDF: 1263.6/46

All: 125.155+/-0.960 χ^2/NDF: 2397.1/97

- sign 125.722+/-1.376 χ^2/NDF: 1133.2/50

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.011+/-0.132 χ^2/NDF: 145352.1/21

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -242.490+/-0.124 χ^2/NDF: 109258.4/27

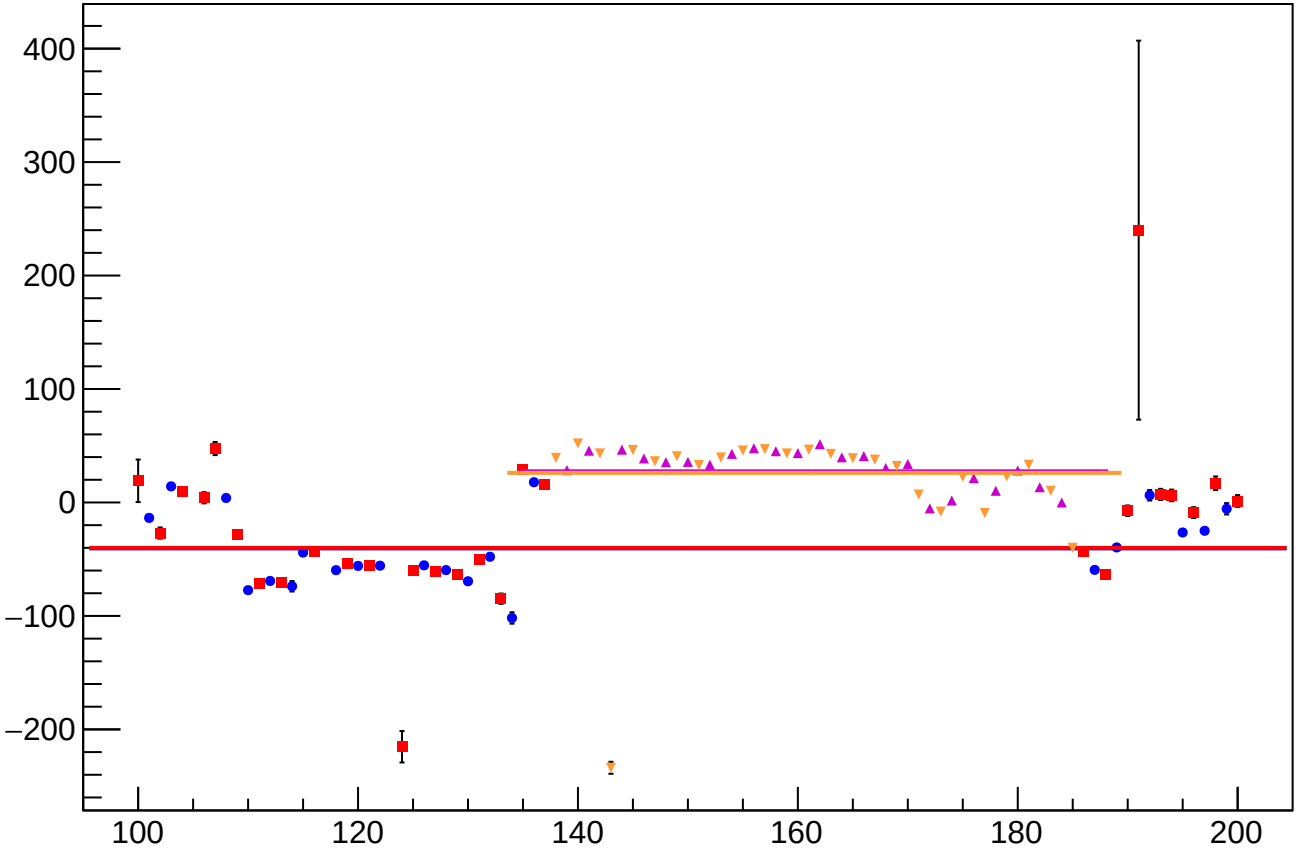
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.659+/-0.065 χ^2/NDF: 400810.0/46

All: -253.319+/-0.046 χ^2/NDF: 599775.5/97

- sign -256.064+/-0.066 χ^2/NDF: 195553.3/50

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.481+/-0.648 χ^2/NDF: 2634.9/21

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.063+/-0.559 χ^2/NDF: 3147.8/27

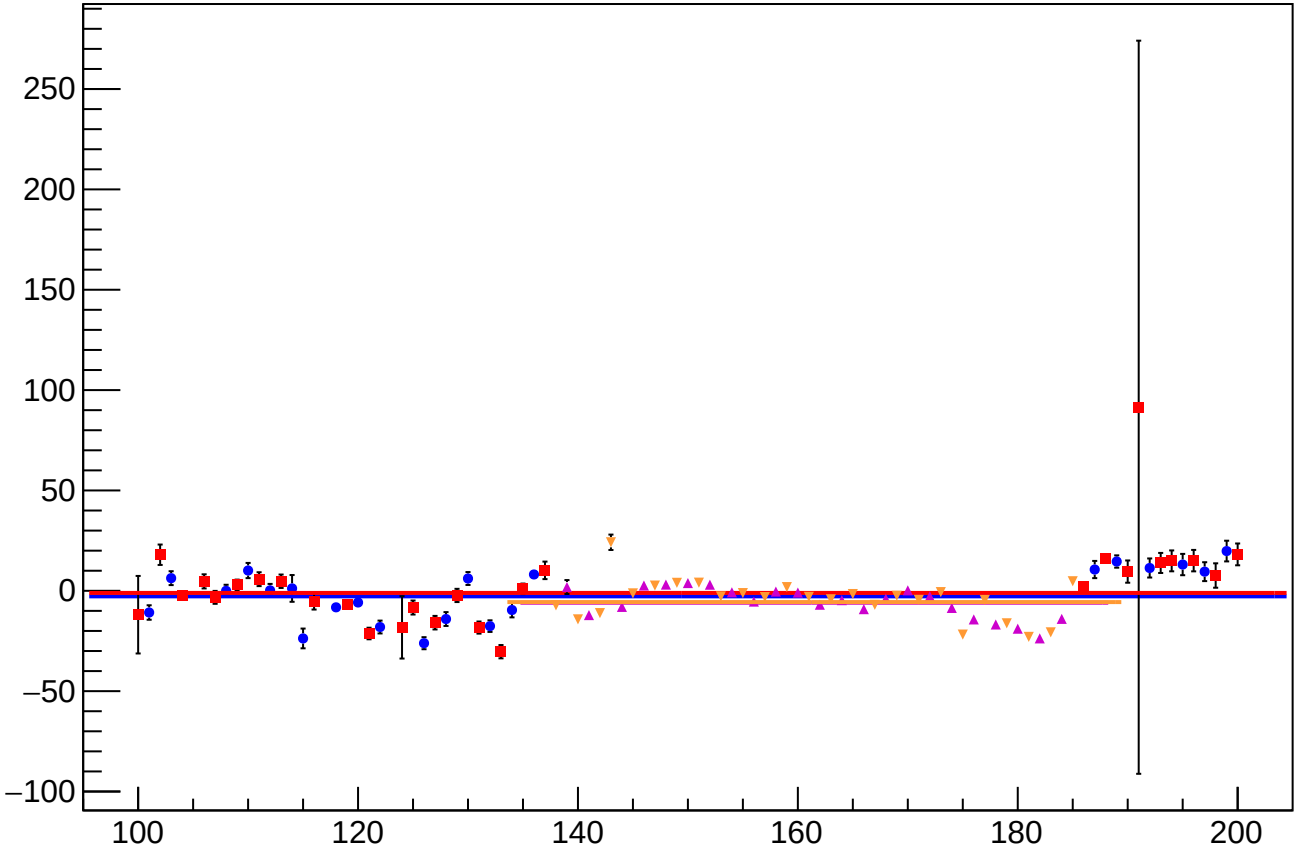
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.422+/-0.334 χ^2/NDF: 15163.3/46

All: 6.600+/-0.232 χ^2/NDF: 29707.1/97

- sign 4.896+/-0.323 χ^2/NDF: 14486.1/50

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.767+/-0.692 χ^2/NDF: 297.4/21

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.057+/-0.633 χ^2/NDF: 342.9/27

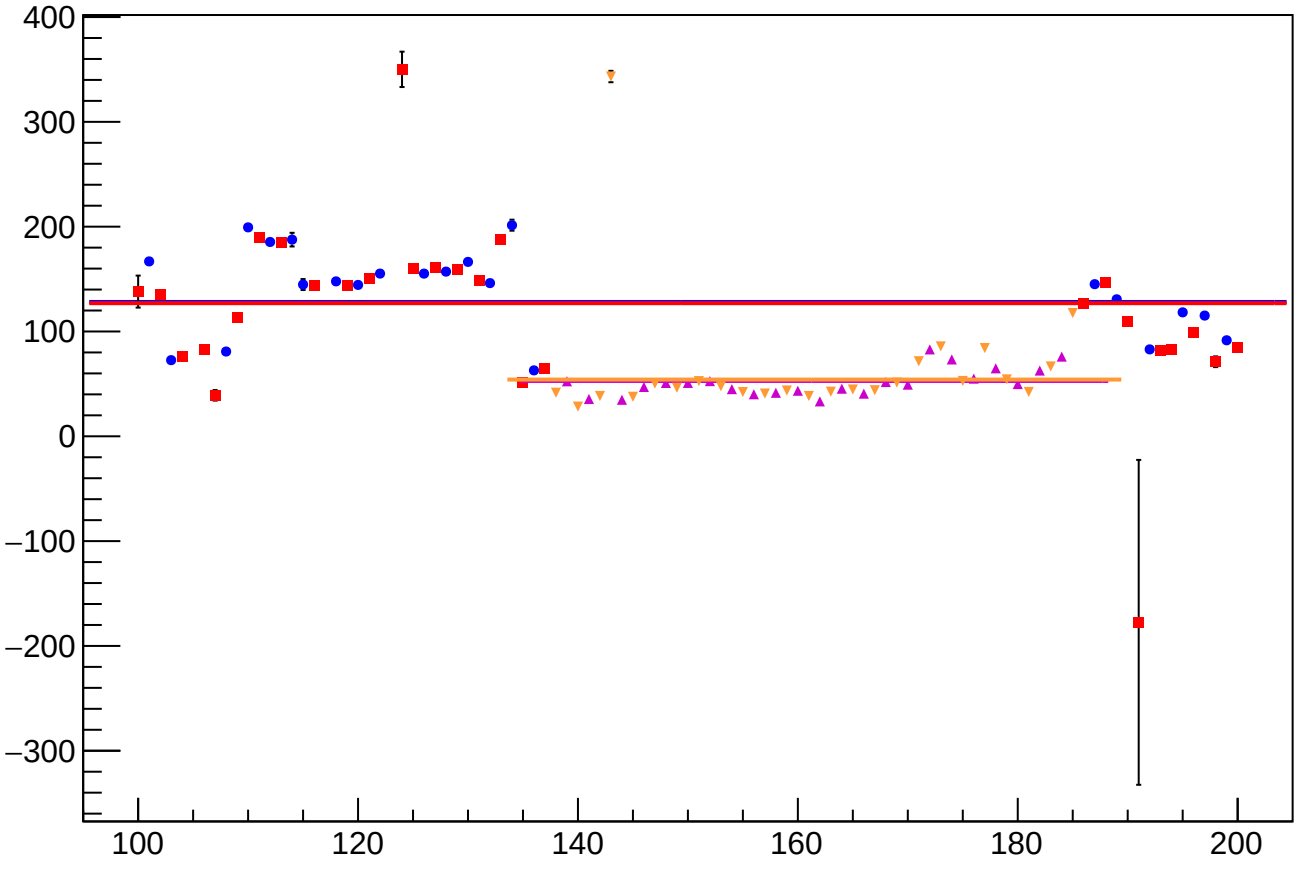
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.169+/-0.277 χ^2/NDF: 1205.0/46

All: -5.085+/-0.196 χ^2/NDF: 2308.4/97

- sign -5.001+/-0.278 χ^2/NDF: 1103.2/50

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 128.164+/-0.671 χ^2/NDF: 3904.7/21

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 127.002+/-0.564 χ^2/NDF: 4246.4/27

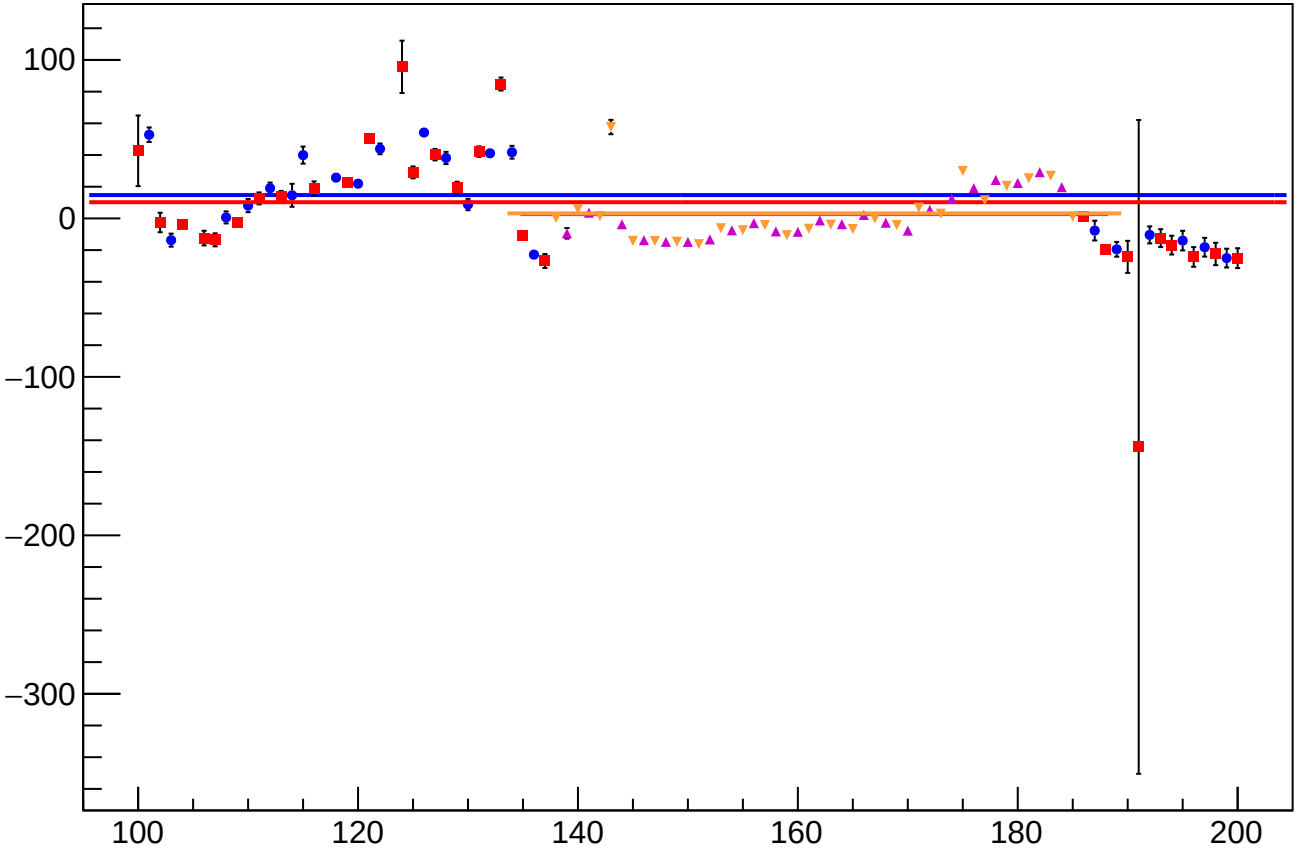
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 72.610+/-0.335 χ^2/NDF: 17622.8/46

All: 74.904+/-0.232 χ^2/NDF: 34599.4/97

- sign 77.021+/-0.322 χ^2/NDF: 16886.6/50

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 14.721+/-0.805 χ^2/NDF: 1069.1/21

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 10.222+/-0.756 χ^2/NDF: 1224.6/27

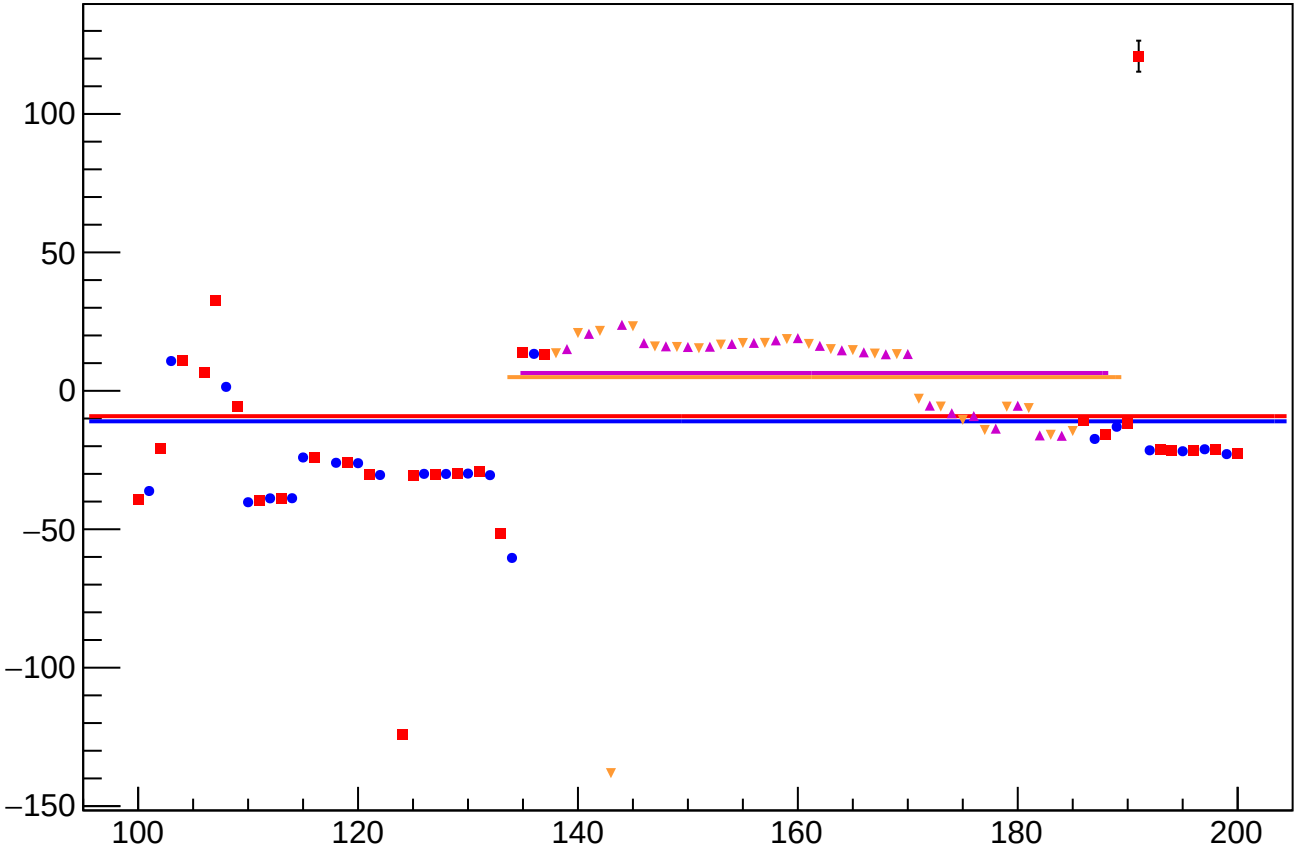
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.903+/-0.313 χ^2/NDF: 3256.5/46

All: 4.467+/-0.222 χ^2/NDF: 6301.5/97

- sign 4.025+/-0.315 χ^2/NDF: 3041.1/50

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.012+/-0.040 χ^2/NDF: 286869.8/21

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -9.154+/-0.038 χ^2/NDF: 263670.9/27

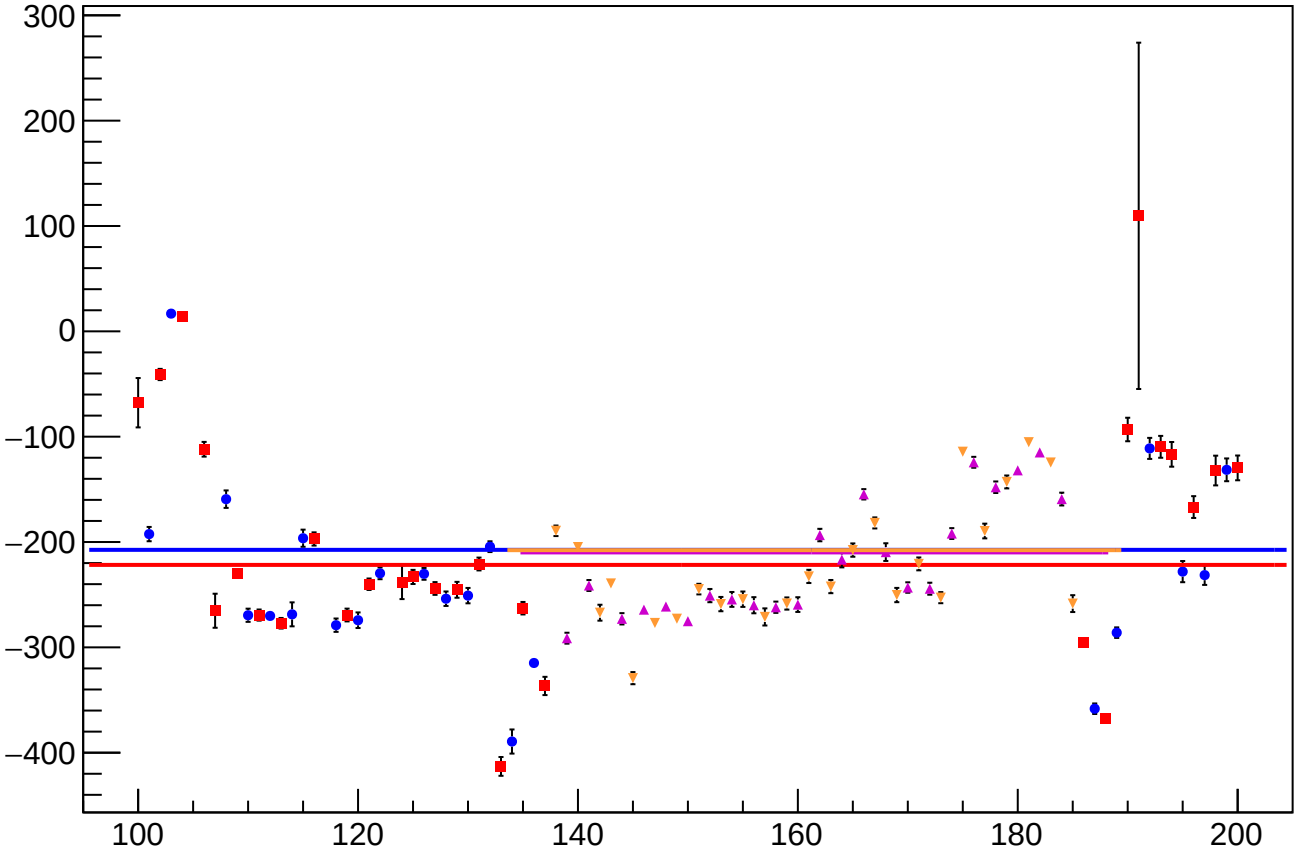
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.914+/-0.014 χ^2/NDF: 1563350.0/46

All: 3.609+/-0.010 χ^2/NDF: 2703198.8/97

- sign 4.307+/-0.014 χ^2/NDF: 1135060.2/50

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -207.432+/-1.273 χ^2/NDF: 8667.1/21

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.728+/-1.131 χ^2/NDF: 12068.2/27

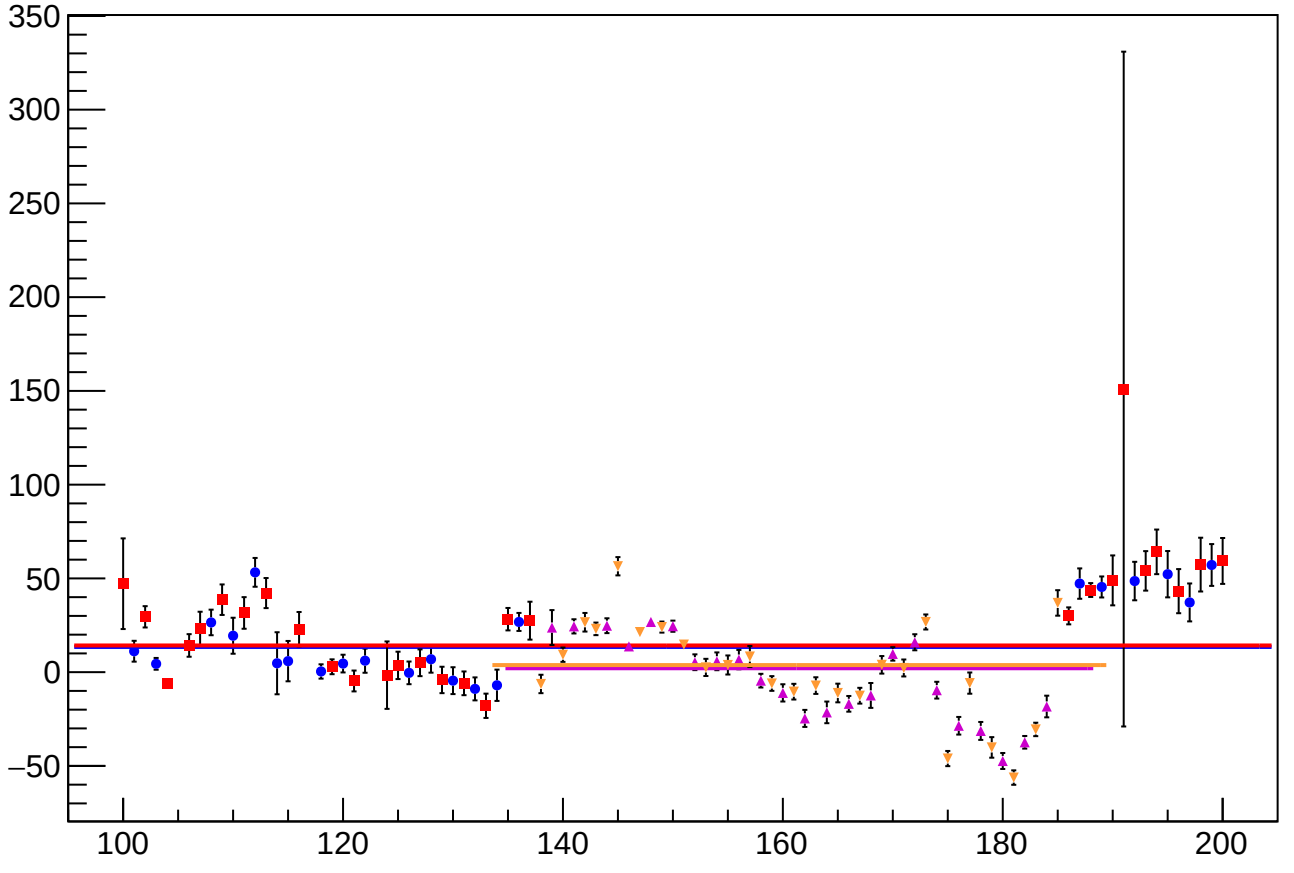
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.615+/-0.819 χ^2/NDF: 12154.3/46

All: -211.781+/-0.568 χ^2/NDF: 27340.7/97

- sign -215.645+/-0.789 χ^2/NDF: 15136.5/50

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.454+/-1.331 χ^2/NDF: 188.5/21

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 14.234+/-1.189 χ^2/NDF: 324.4/27

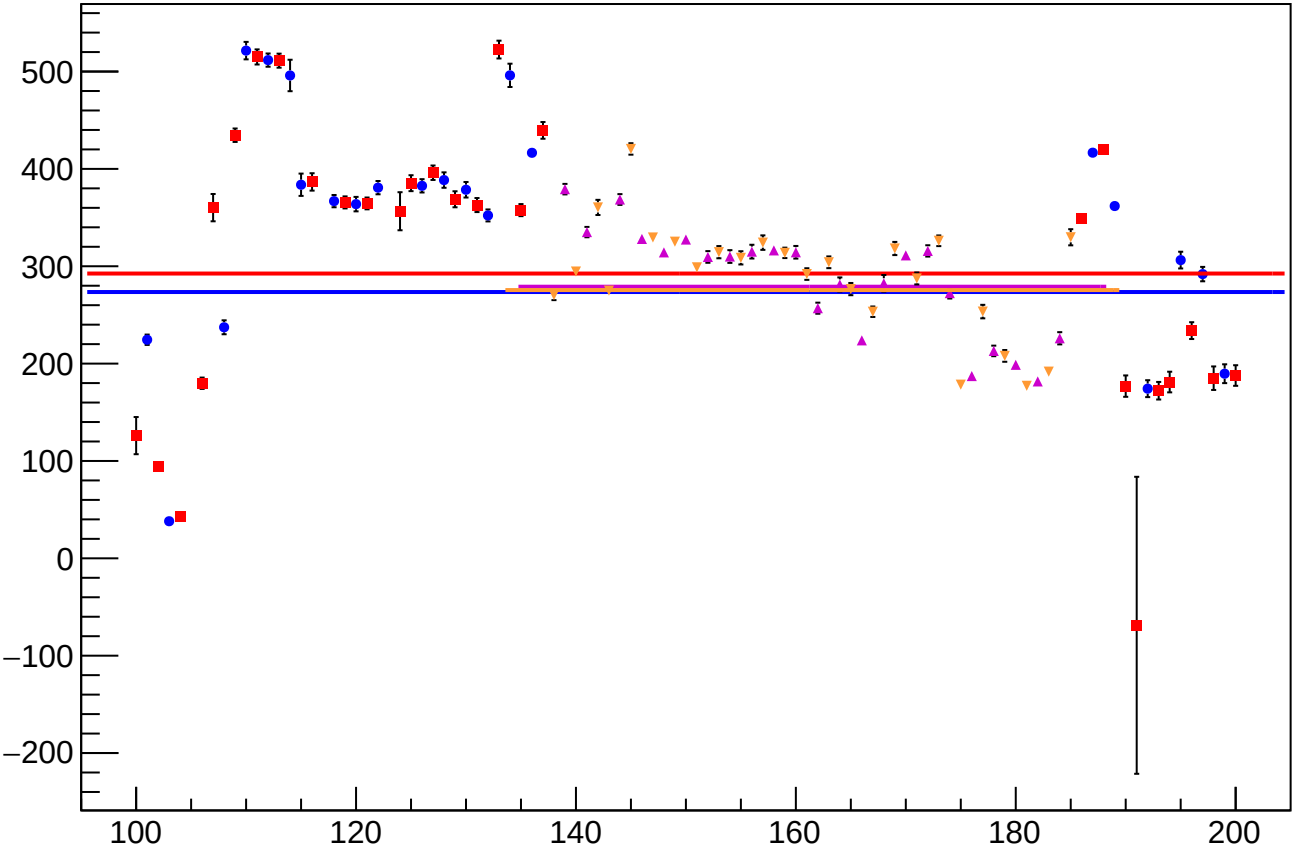
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.280+/-0.678 χ^2/NDF: 1199.8/46

All: 6.137+/-0.478 χ^2/NDF: 2365.3/97

\- sign 5.996+/-0.675 χ^2/NDF: 1165.4/50

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 273.525+/-1.224 χ^2/NDF: 17495.4/21

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 292.518+/-1.056 χ^2/NDF: 21719.5/27

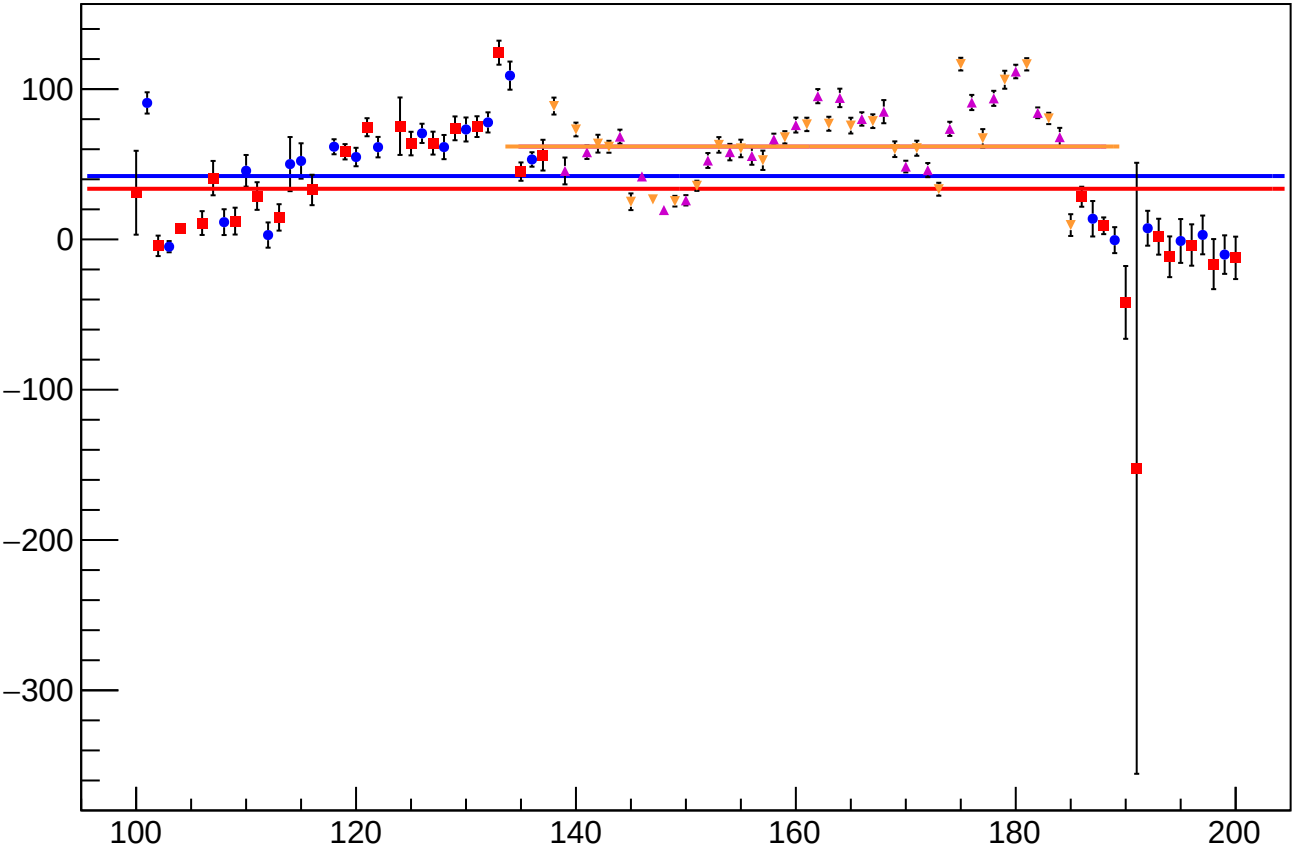
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.672+/-0.802 χ^2/NDF: 20820.1/46

All: 280.633+/-0.551 χ^2/NDF: 45838.4/97

- sign 285.958+/-0.758 χ^2/NDF: 24913.7/50

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.157+/-1.573 χ^2/NDF: 468.0/21

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 33.688+/-1.450 χ^2/NDF: 504.1/27

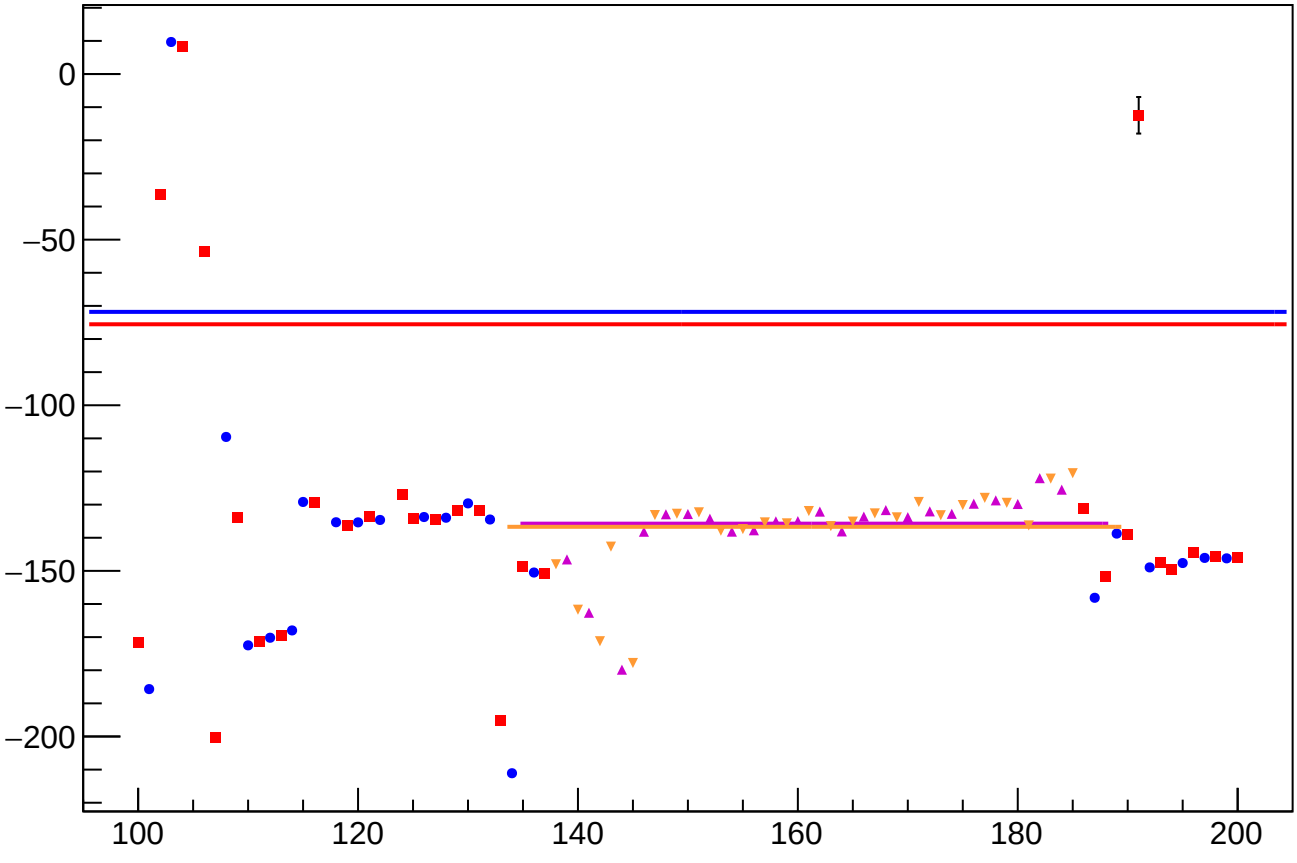
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.906+/-0.786 χ^2/NDF: 1544.8/46

All: 55.194+/-0.556 χ^2/NDF: 3058.6/97

- sign 53.473+/-0.788 χ^2/NDF: 1504.3/50

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -71.805+/-0.067 χ^2/NDF: 1441228.0/21

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -75.548+/-0.066 χ^2/NDF: 1163547.3/27

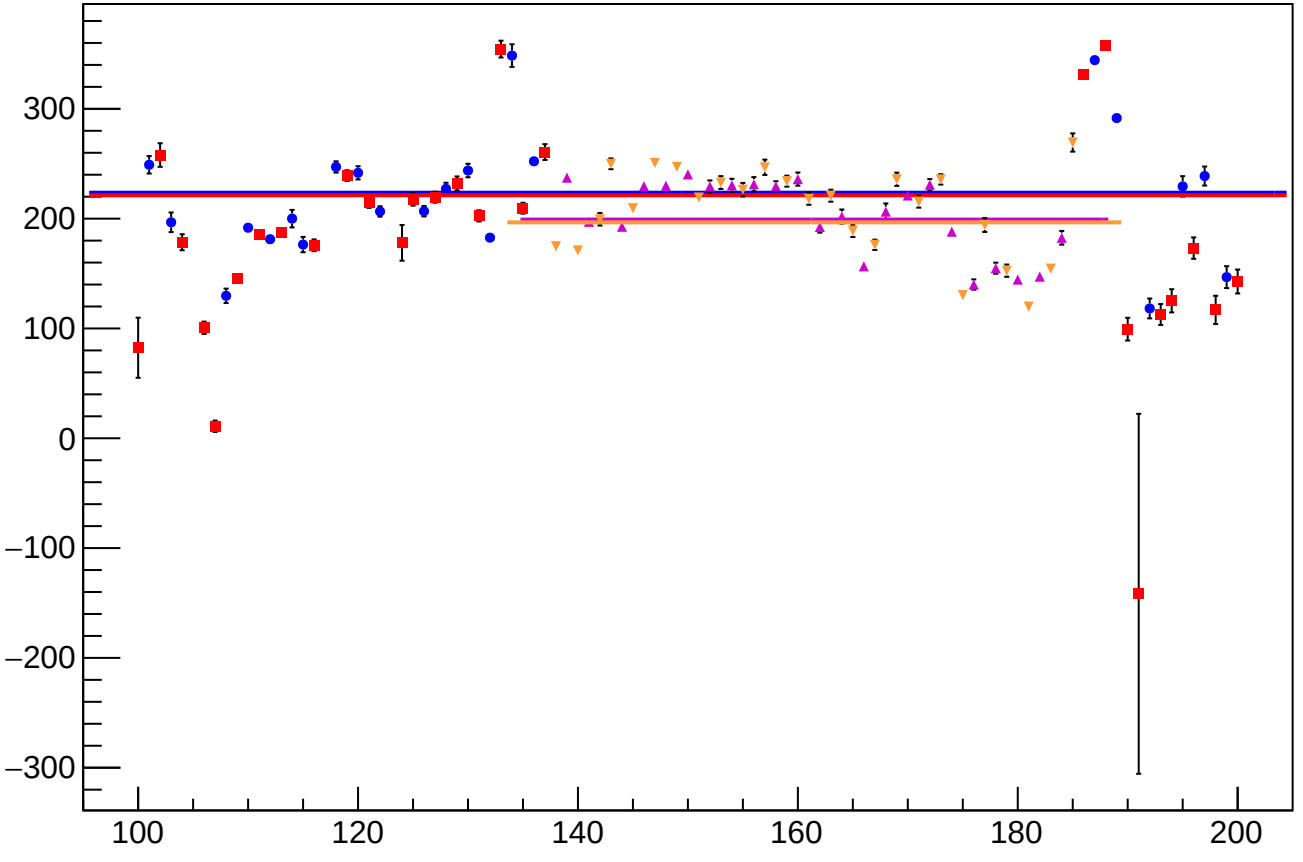
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

\+ sign -118.262+/-0.036 χ^2/NDF: 2190404.1/46

All: -118.144+/-0.025 χ^2/NDF: 3999866.1/97

\- sign -118.025+/-0.036 χ^2/NDF: 1809440.1/50

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 223.627+/-1.163 χ^2/NDF: 2013.6/21

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.301+/-1.003 χ^2/NDF: 7983.1/27

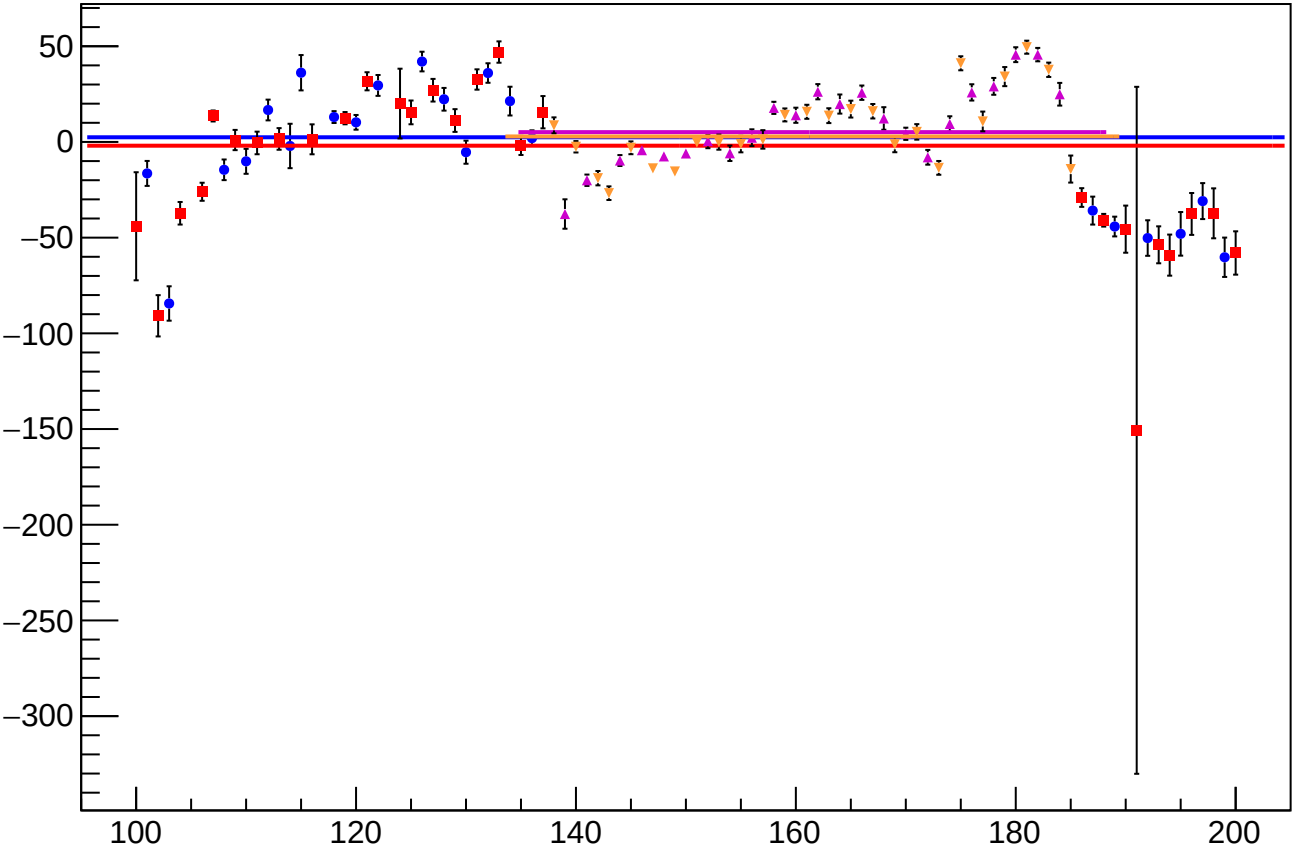
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.378+/-0.734 χ^2/NDF: 4413.8/46

All: 208.698+/-0.506 χ^2/NDF: 13949.0/97

- sign 209.891+/-0.698 χ^2/NDF: 9529.0/50

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440+/-1.231 χ^2/NDF: 509.1/21

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -1.960+/-1.086 χ^2/NDF: 676.4/27

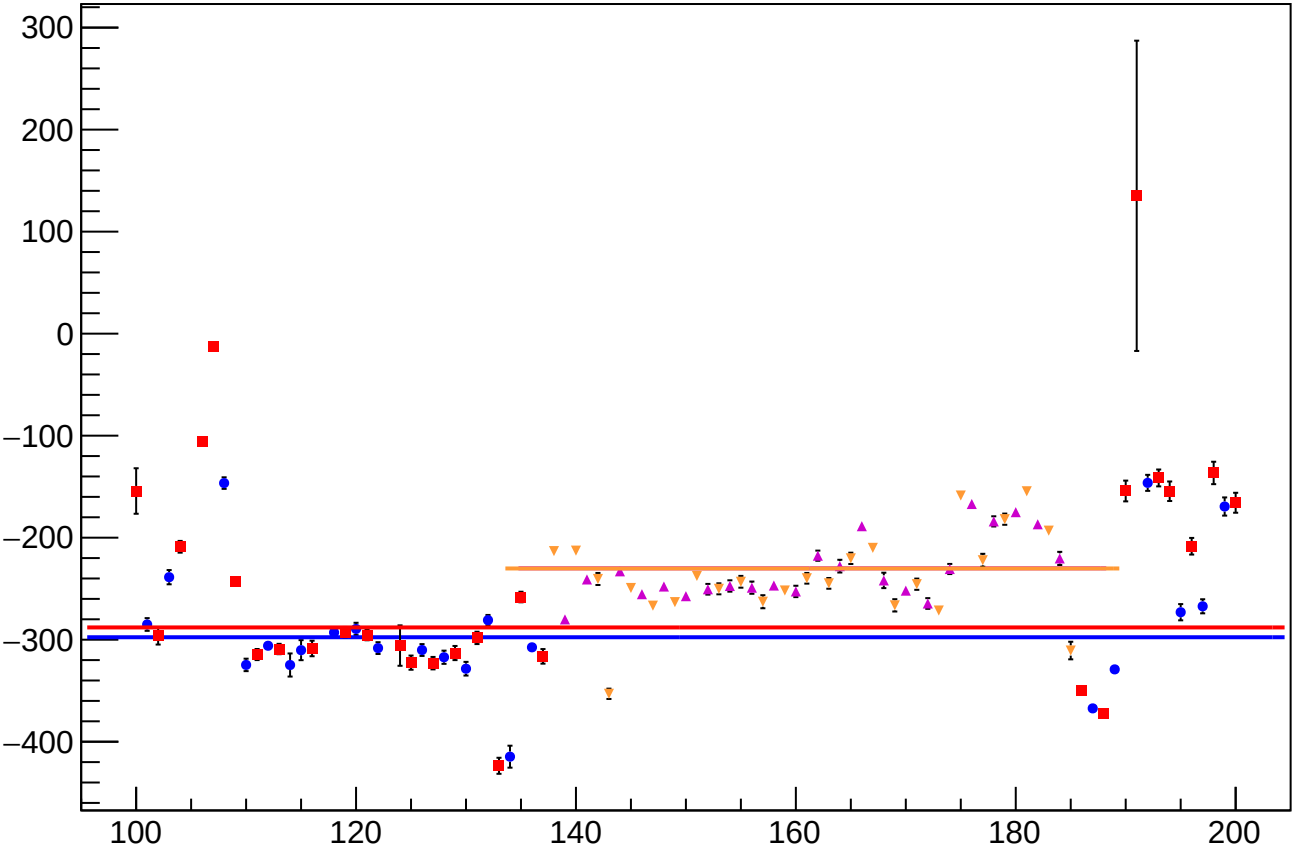
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.767+/-0.604 χ^2/NDF: 1262.0/46

All: 2.870+/-0.425 χ^2/NDF: 2596.7/97

- sign 2.971+/-0.599 χ^2/NDF: 1334.6/50

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -297.598+/-1.220 χ^2/NDF: 2025.1/21

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.980+/-1.013 χ^2/NDF: 9627.7/27

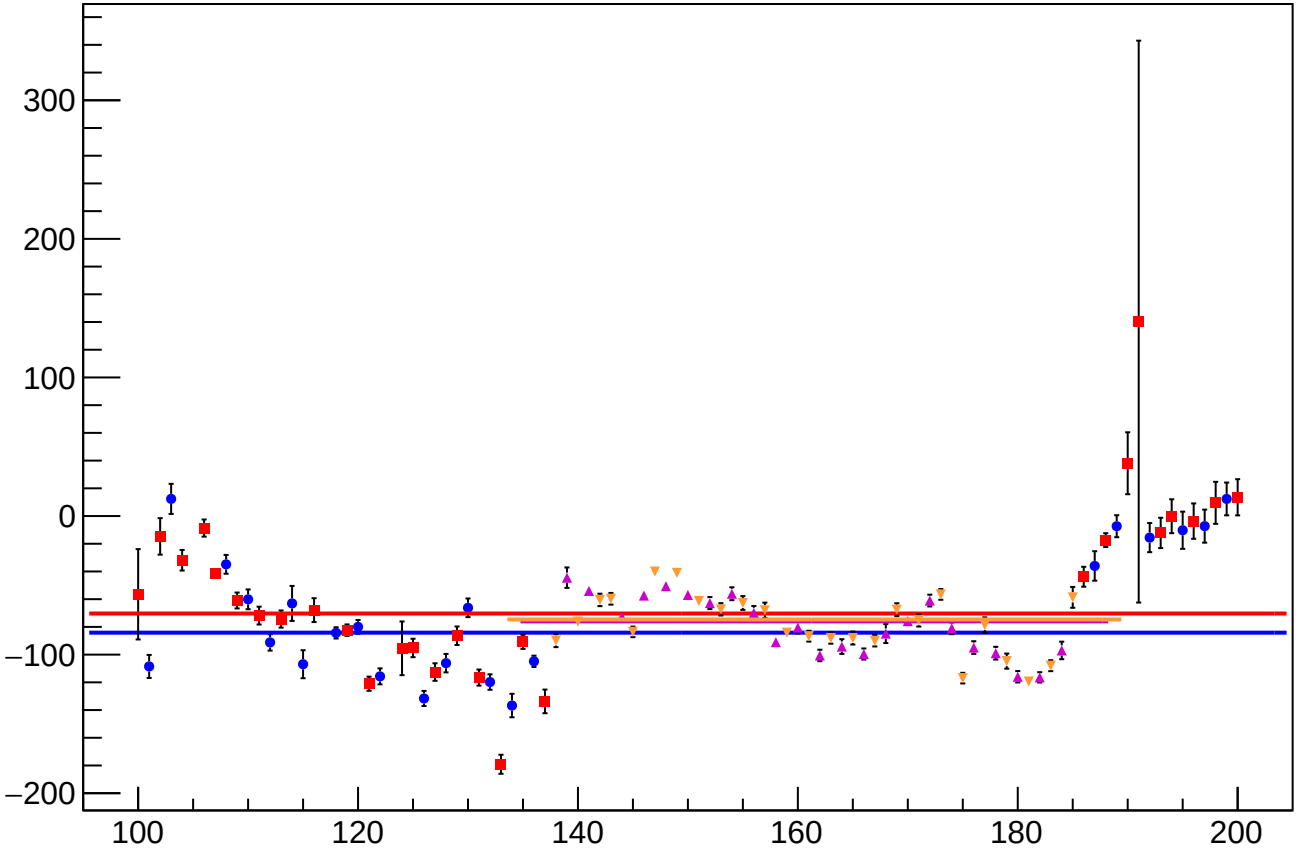
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.268+/-0.744 χ^2/NDF: 6125.1/46

All: -256.449+/-0.509 χ^2/NDF: 18572.9/97

- sign -257.486+/-0.697 χ^2/NDF: 12443.1/50

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -84.154+/-1.446 χ^2/NDF: 686.7/21

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -70.336+/-1.306 χ^2/NDF: 1075.1/27

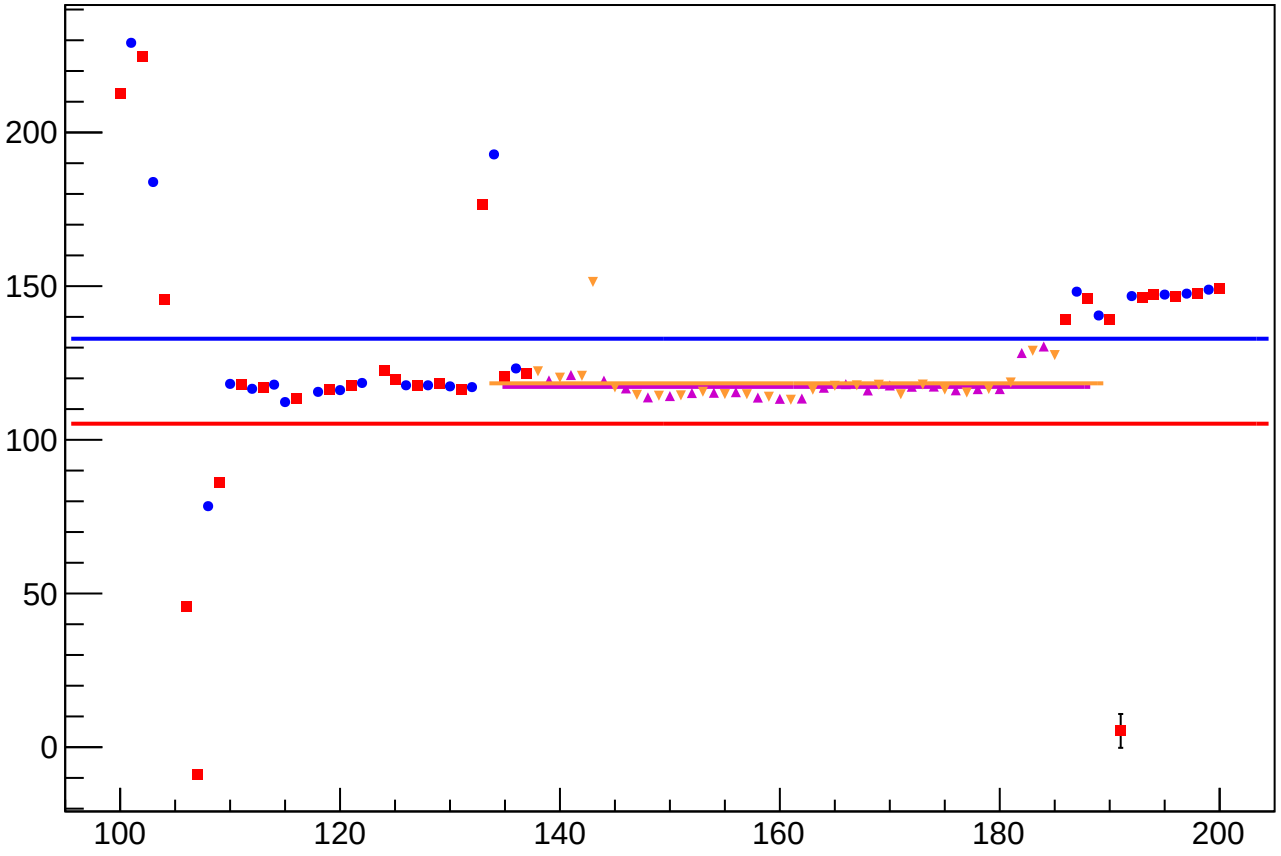
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.876+/-0.700 χ^2/NDF: 1550.8/46

All: -75.634+/-0.494 χ^2/NDF: 3291.8/97

- sign -74.405+/-0.697 χ^2/NDF: 1734.7/50

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 132.892+/-0.078 χ^2/NDF: 193146.5/21

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 105.248+/-0.068 χ^2/NDF: 727331.7/27

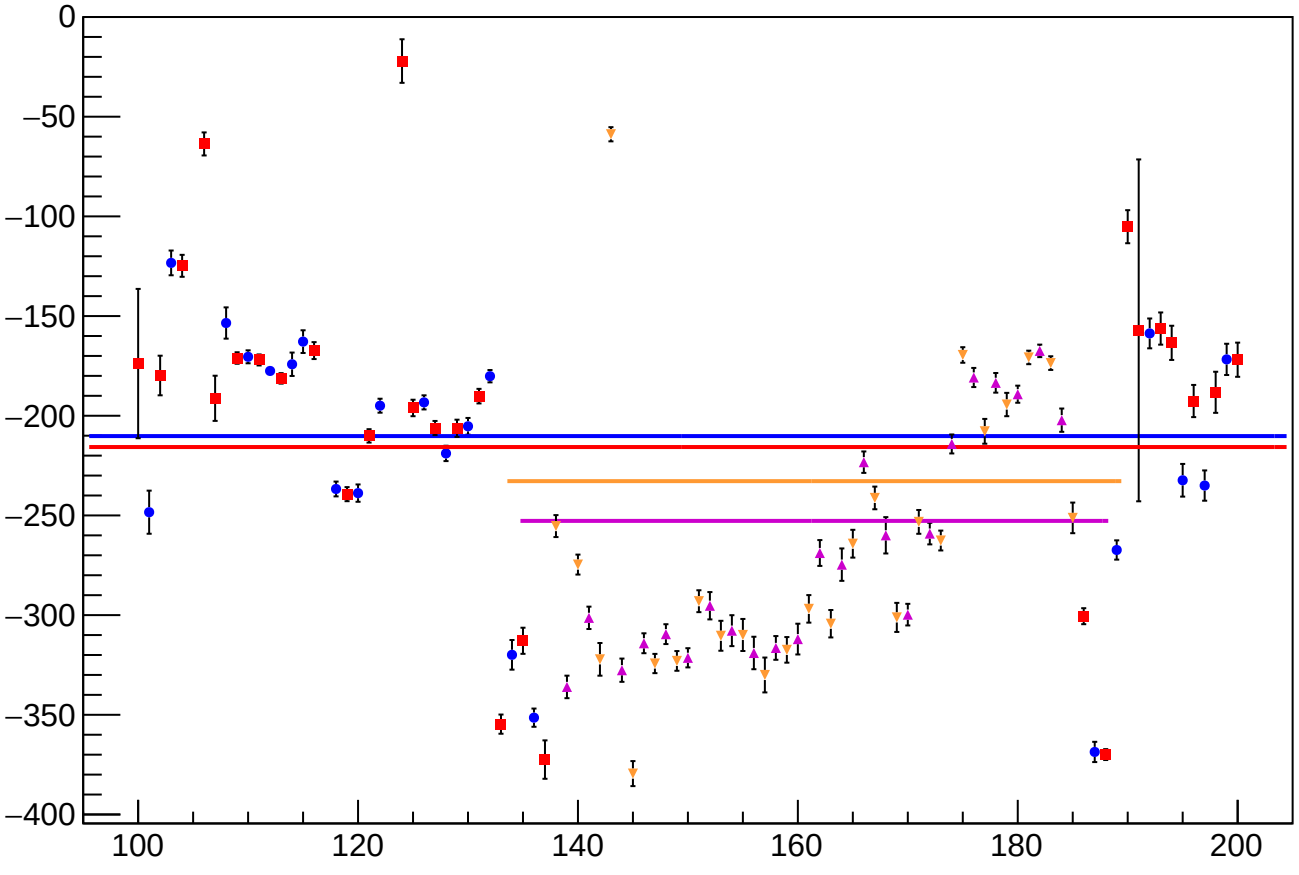
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.084+/-0.034 χ^2/NDF: 256301.8/46

All: 117.694+/-0.024 χ^2/NDF: 1037371.3/97

- sign 114.440+/-0.033 χ^2/NDF: 761150.1/50

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.201+/-0.953 χ^2/NDF: 3306.4/21

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.692+/-0.866 χ^2/NDF: 7482.5/27

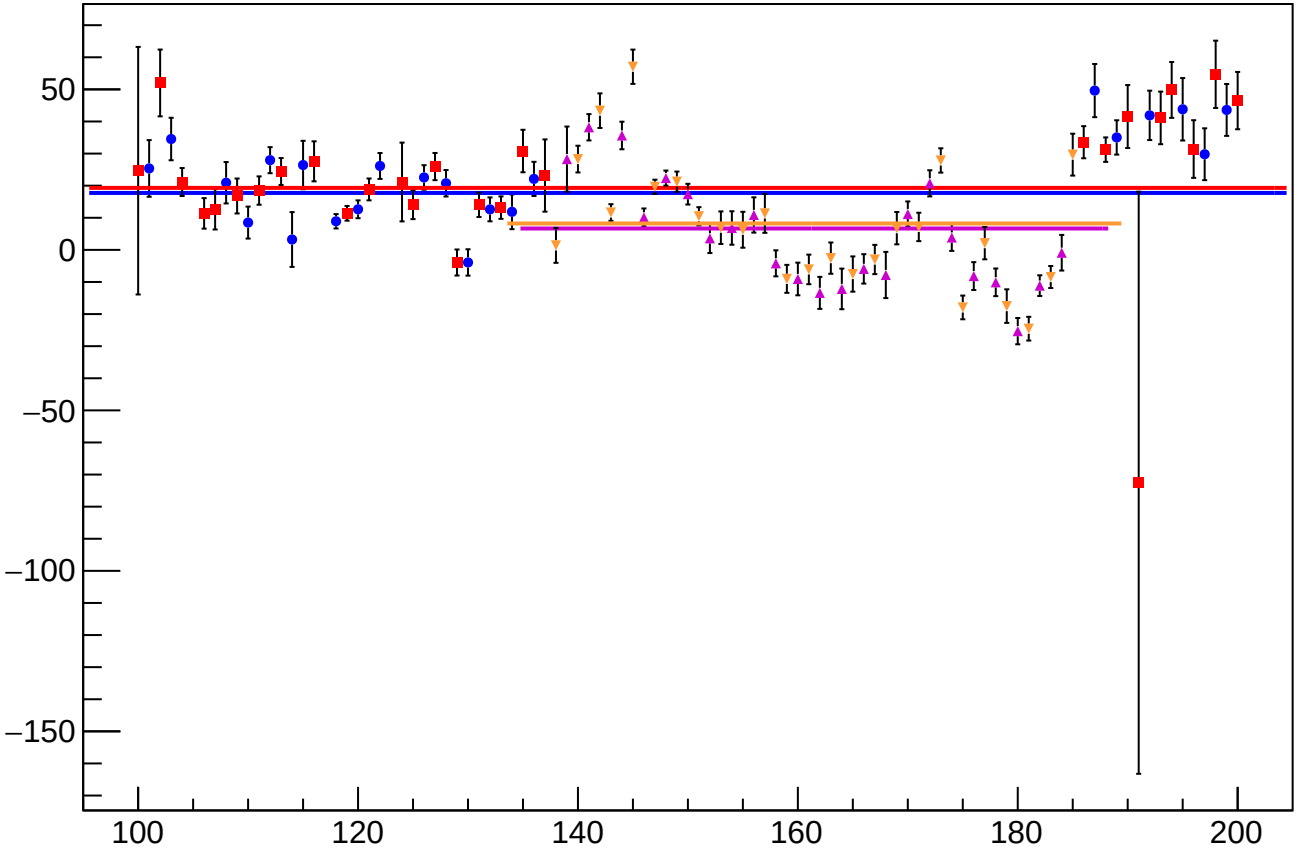
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.175+/-0.712 χ^2/NDF: 9318.7/46

All: -224.947+/-0.495 χ^2/NDF: 20478.1/97

- sign -229.398+/-0.688 χ^2/NDF: 11072.7/50

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.737+/-0.991 χ^2/NDF: 133.1/21

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.313+/-0.948 χ^2/NDF: 140.1/27

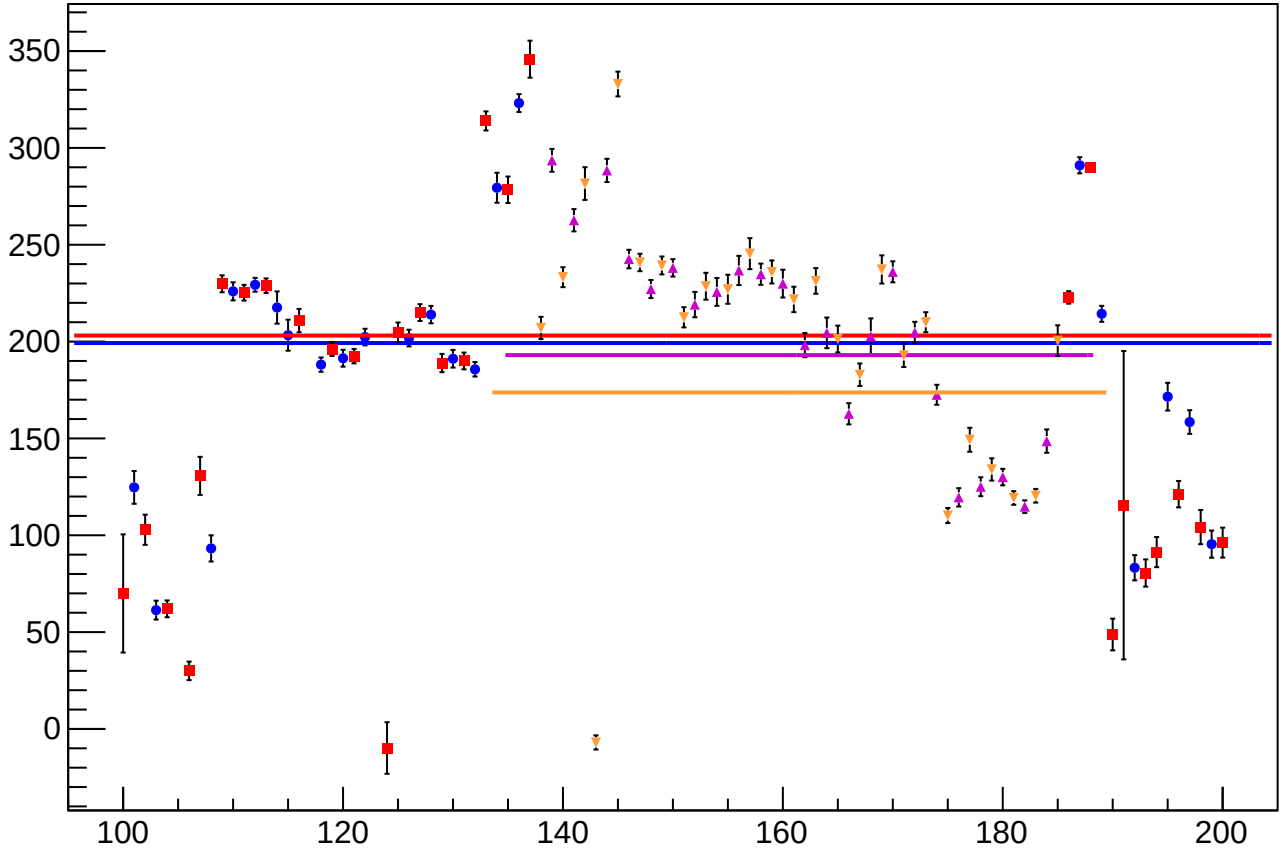
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.994+/-0.624 χ^2/NDF: 646.7/46

All: 12.171+/-0.445 χ^2/NDF: 1239.7/97

- sign 12.356+/-0.636 χ^2/NDF: 592.9/50

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.254+/-1.051 χ^2/NDF: 3195.3/21

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 203.112+/-0.928 χ^2/NDF: 6783.9/27

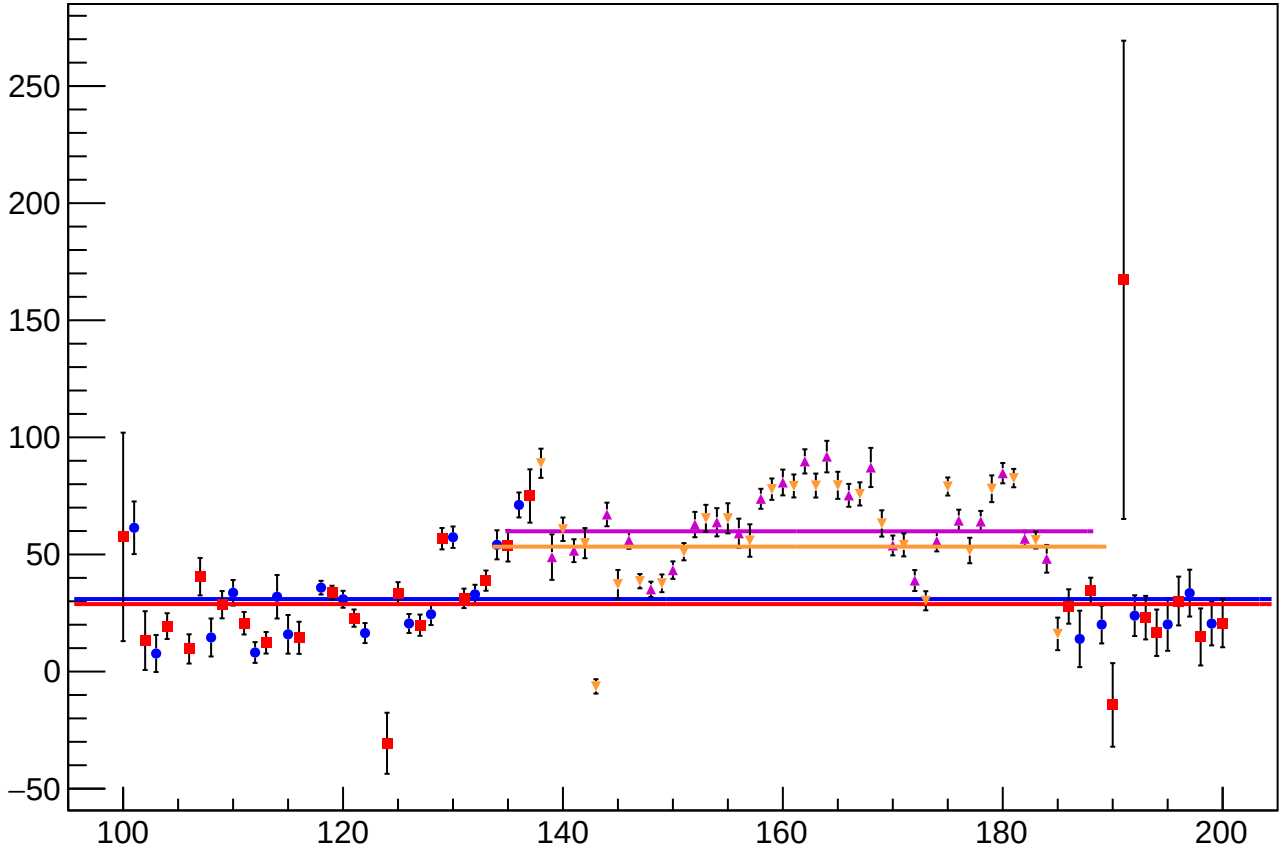
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 186.717+/-0.749 χ^2/NDF: 8745.6/46

All: 193.154+/-0.517 χ^2/NDF: 18230.5/97

- sign 199.016+/-0.715 χ^2/NDF: 9343.9/50

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.955+/-1.162 χ^2/NDF: 184.2/21

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.797+/-1.119 χ^2/NDF: 153.6/27

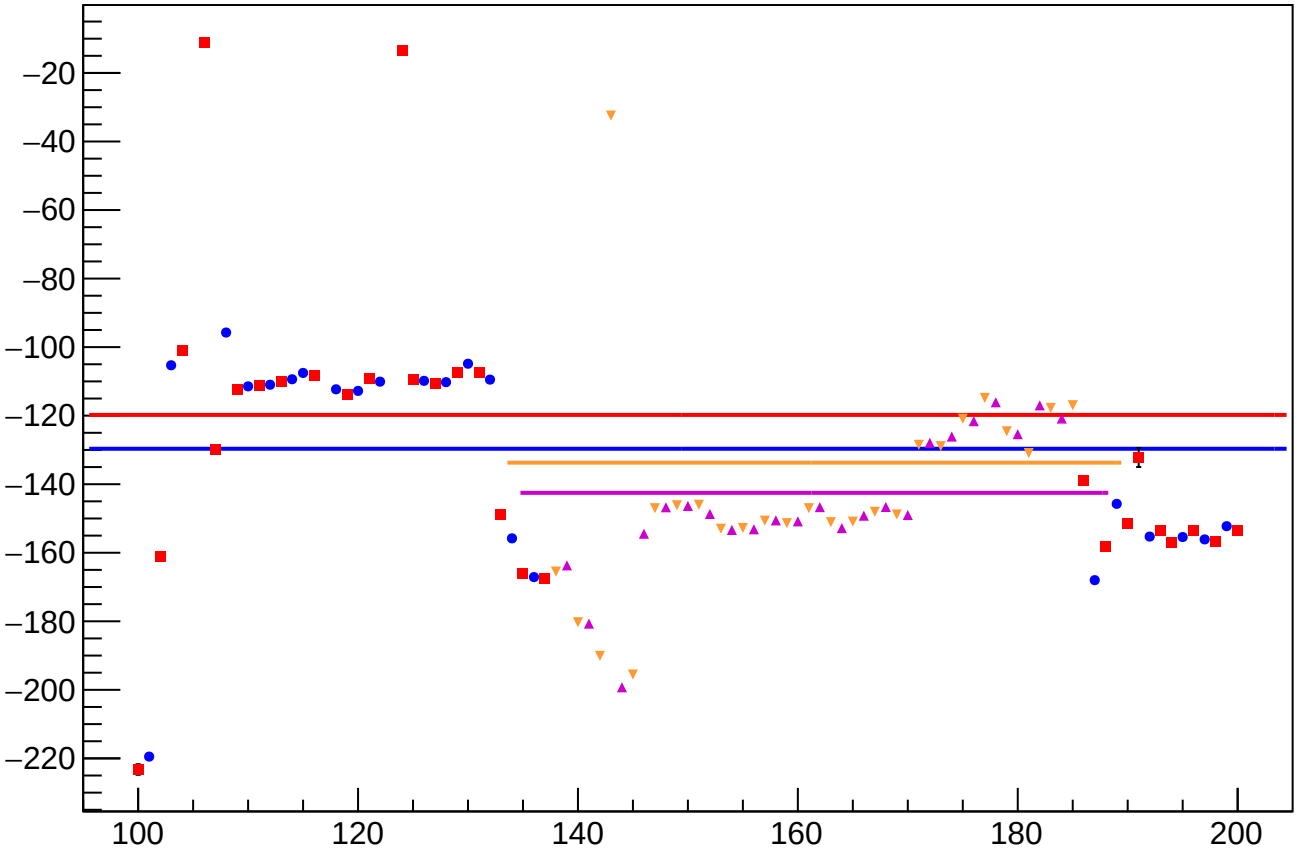
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.690+/-0.722 χ^2/NDF: 1190.7/46

All: 45.548+/-0.515 χ^2/NDF: 2036.5/97

- sign 46.439+/-0.736 χ^2/NDF: 842.9/50

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -129.655+/-0.068 χ^2/NDF: 163882.3/21

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -119.779+/-0.063 χ^2/NDF: 479634.2/27

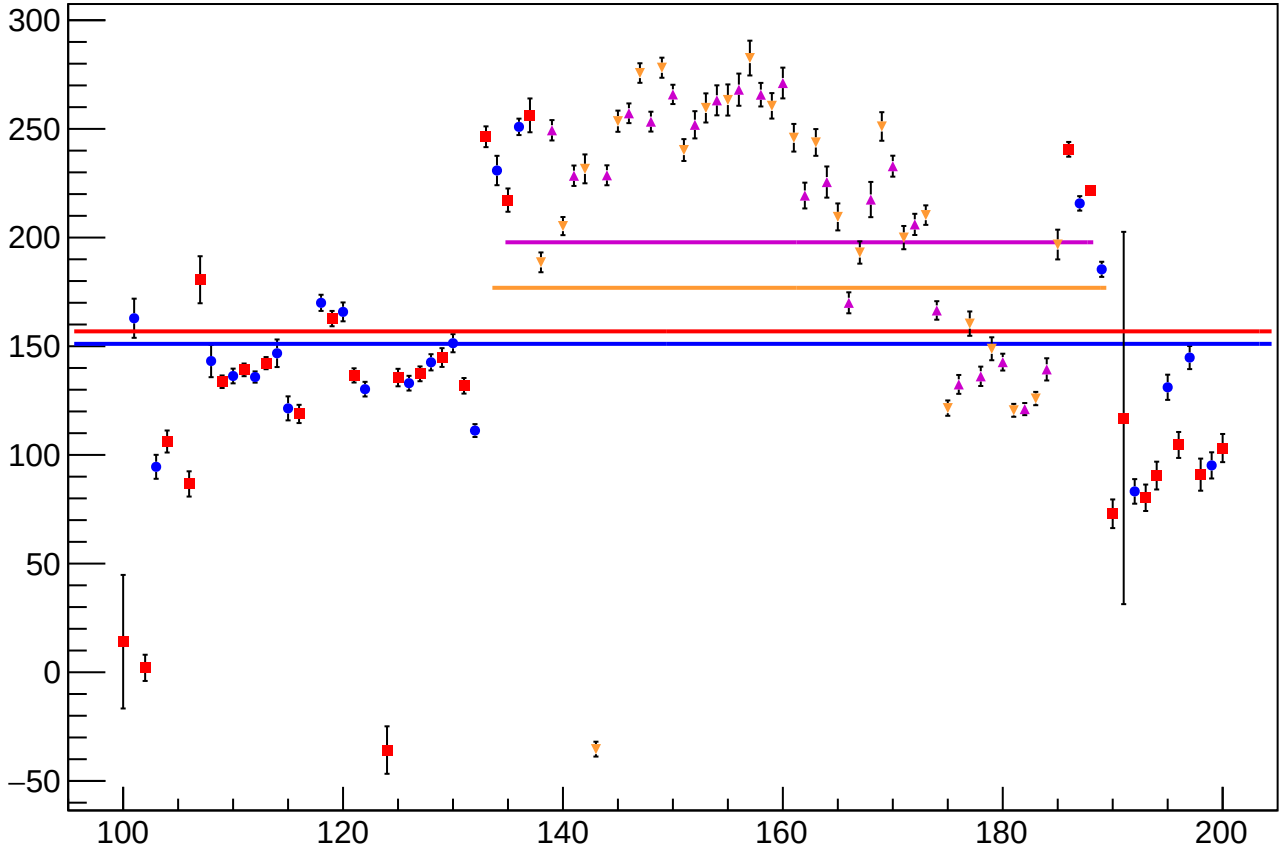
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.563+/-0.036 χ^2/NDF: 842340.8/46

All: -133.761+/-0.026 χ^2/NDF: 1589754.7/97

- sign -134.960+/-0.036 χ^2/NDF: 745230.4/50

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 151.099+/-0.880 χ^2/NDF: 2035.9/21

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 156.846+/-0.783 χ^2/NDF: 4840.1/27

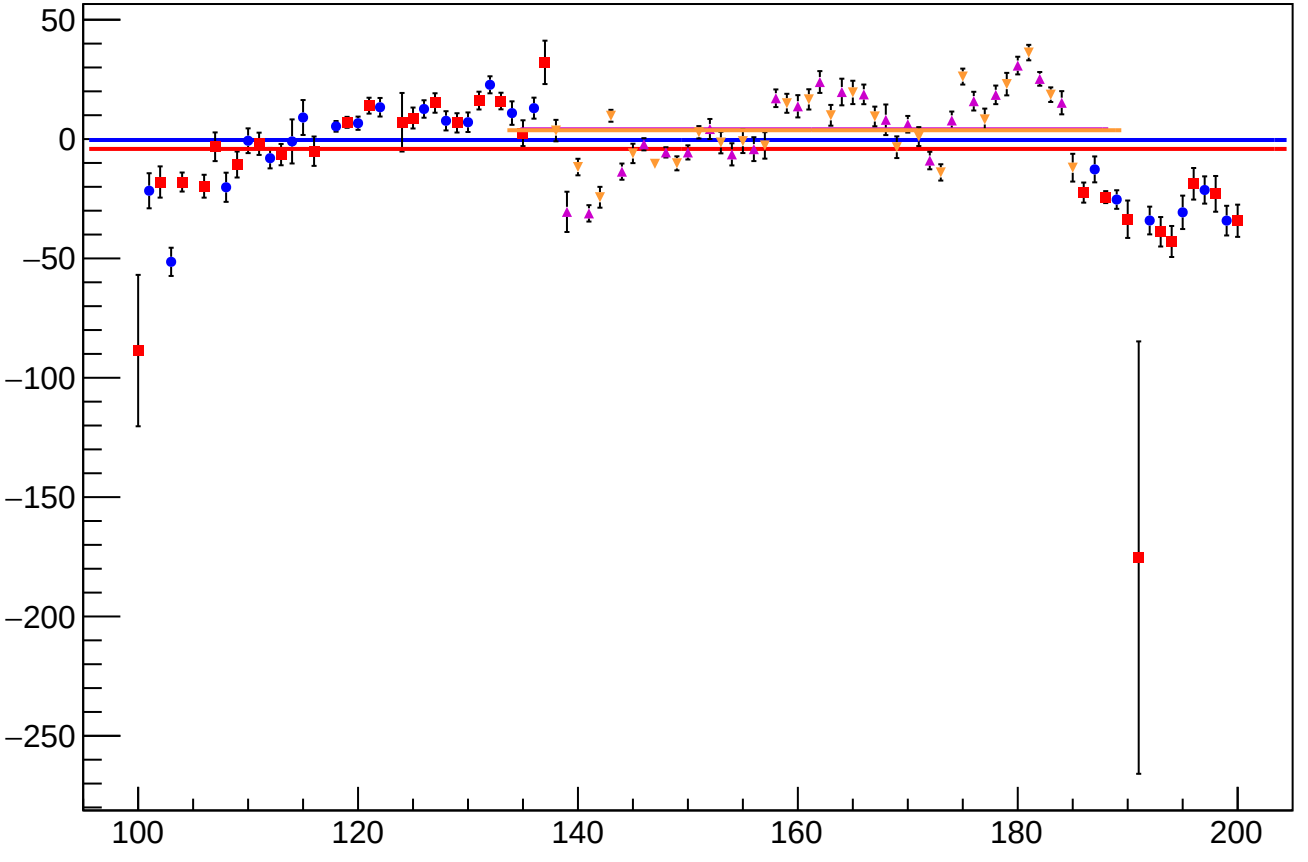
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.911+/-0.648 χ^2/NDF: 9853.6/46

All: 167.831+/-0.447 χ^2/NDF: 18805.0/97

\- sign 172.303+/-0.618 χ^2/NDF: 8841.5/50

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.383+/-0.926 χ^2/NDF: 341.8/21

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -4.125+/-0.870 χ^2/NDF: 408.7/27

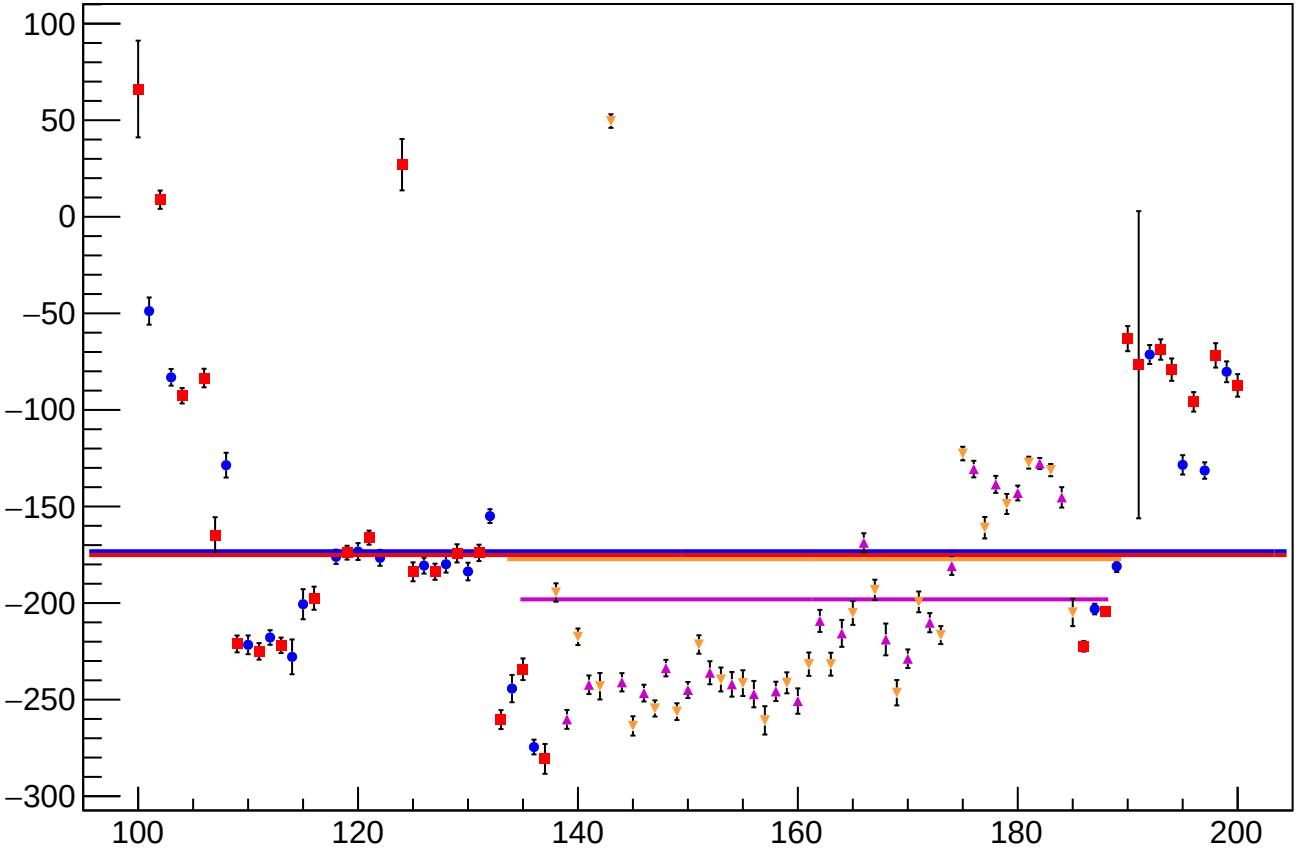
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.158+/-0.570 χ^2/NDF: 754.8/46

All: 1.335+/-0.405 χ^2/NDF: 1616.9/97

- sign 0.494+/-0.576 χ^2/NDF: 857.9/50

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -173.169+/-0.923 χ^2/NDF: 2957.4/21

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -175.128+/-0.787 χ^2/NDF: 6089.6/27

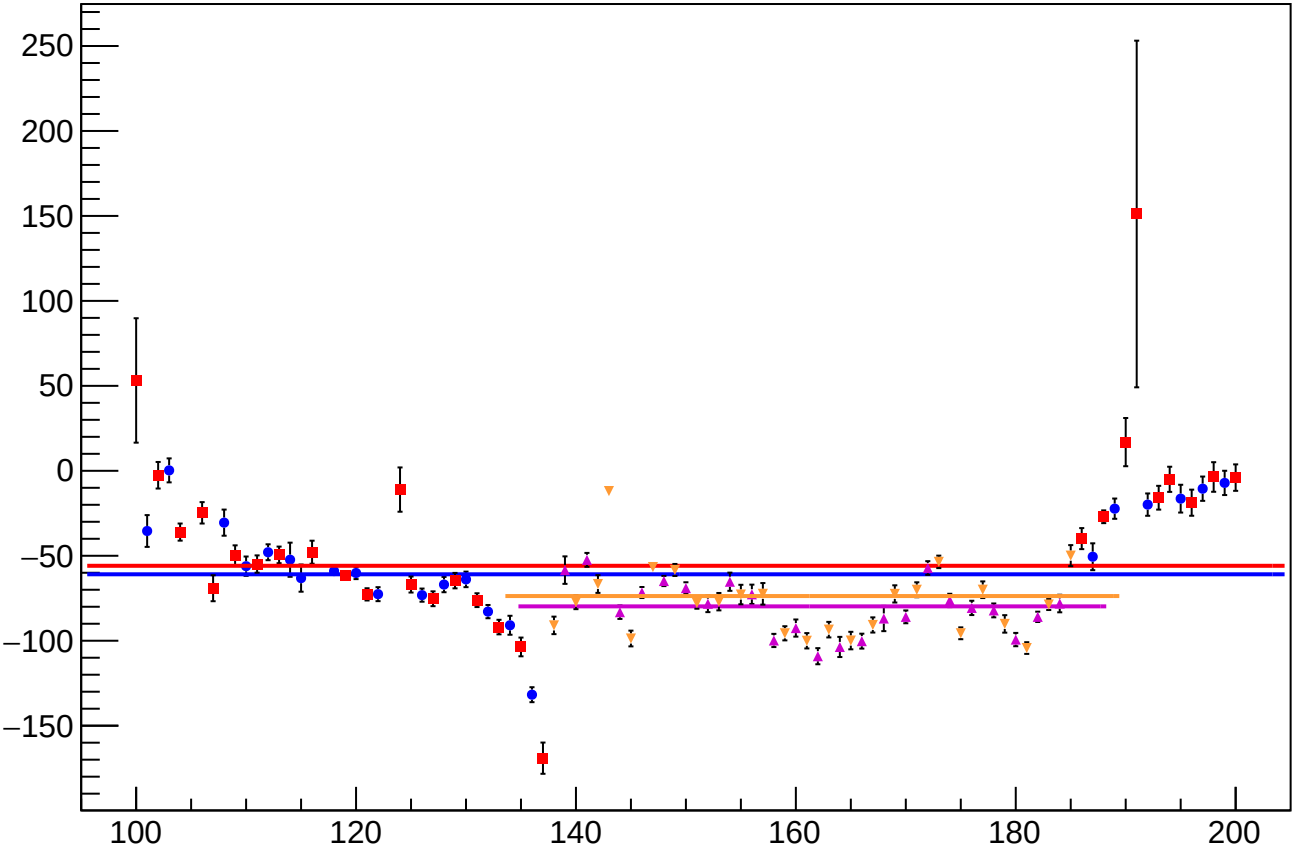
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -175.154+/-0.664 χ^2/NDF: 10007.0/46

All: -179.841+/-0.453 χ^2/NDF: 18901.4/97

- sign -183.902+/-0.618 χ^2/NDF: 8801.5/50

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.901+/-1.092 χ^2/NDF: 666.2/21

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -55.896+/-1.041 χ^2/NDF: 771.4/27

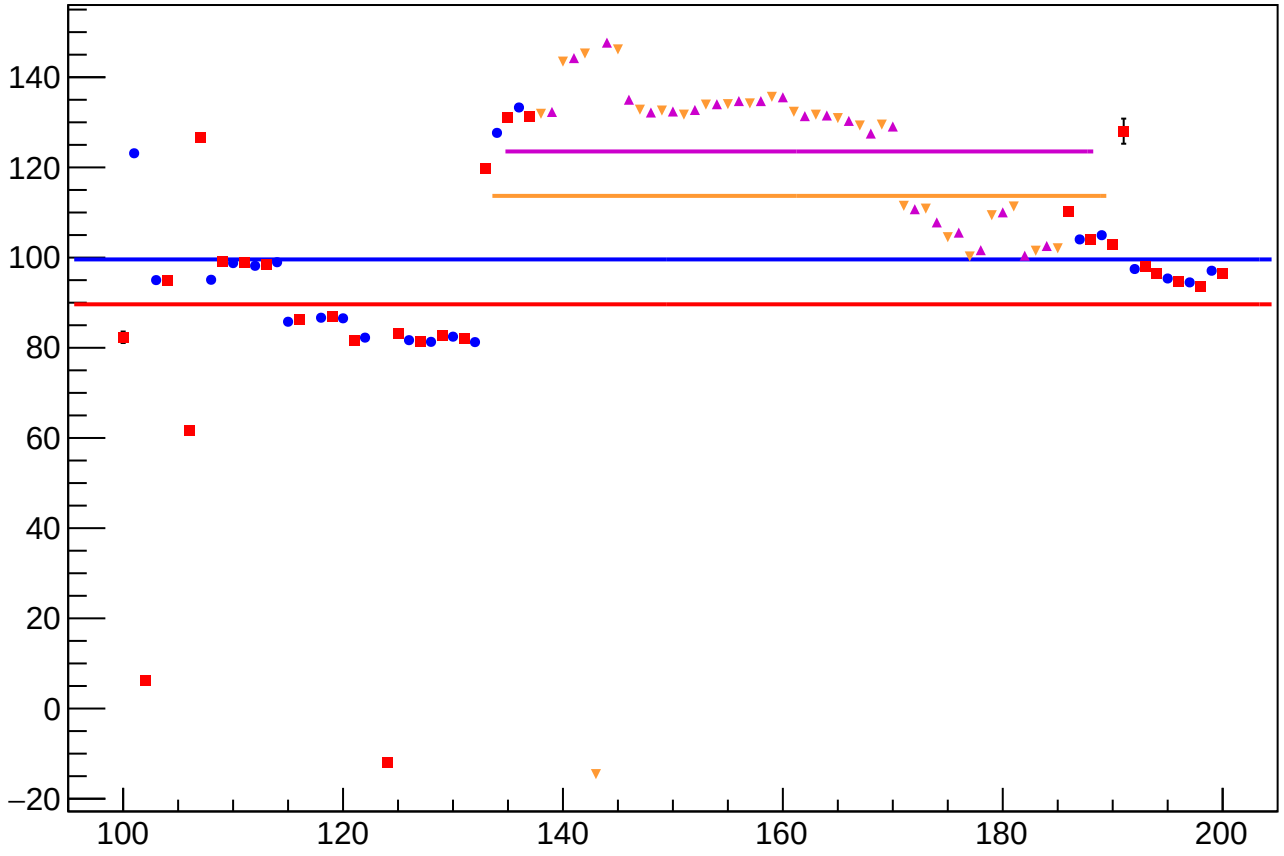
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -69.026+/-0.660 χ^2/NDF: 1593.0/46

All: -69.461+/-0.470 χ^2/NDF: 2950.9/97

- sign -69.907+/-0.669 χ^2/NDF: 1357.0/50

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.596+/-0.060 χ^2/NDF: 69078.0/21

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 89.641+/-0.054 χ^2/NDF: 282734.6/27

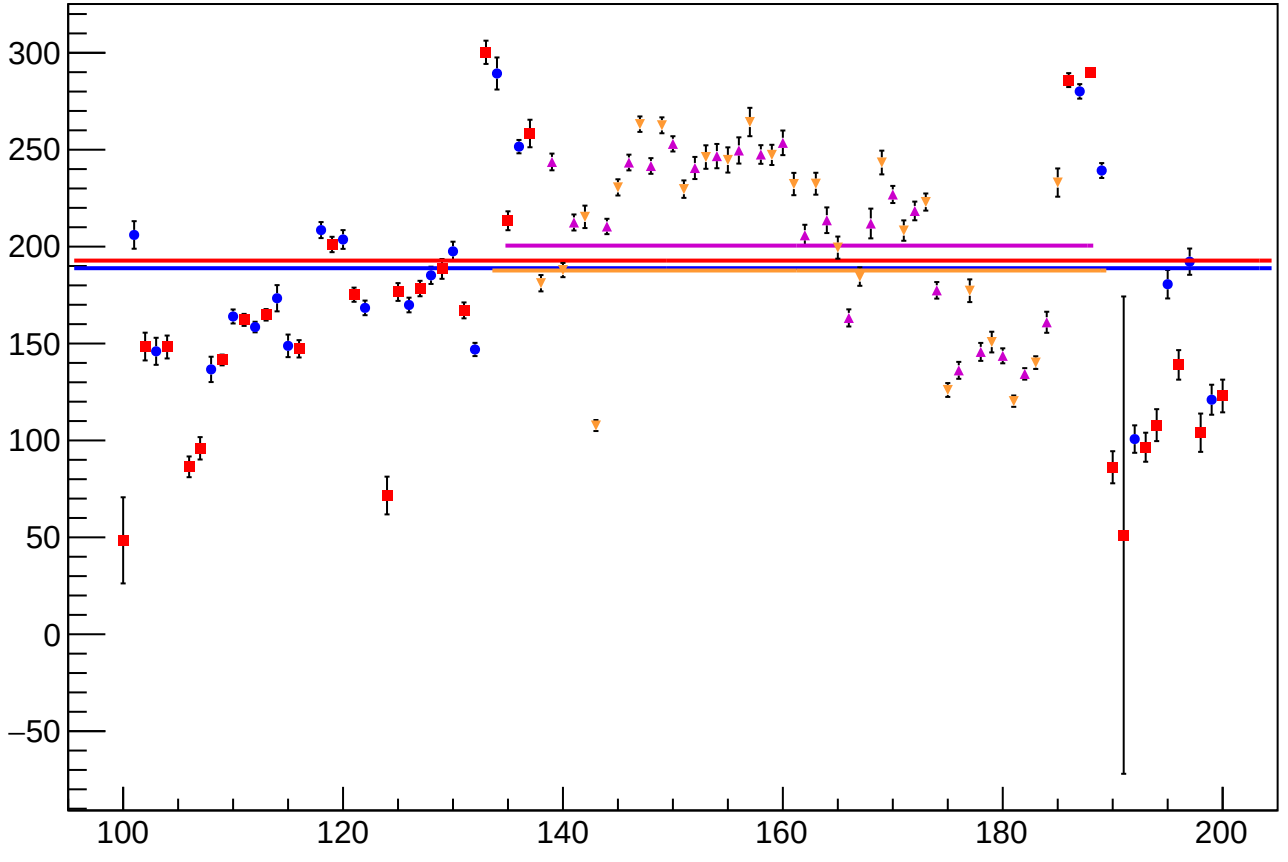
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.569+/-0.032 χ^2/NDF: 1071670.0/46

All: 110.667+/-0.023 χ^2/NDF: 1745996.5/97

- sign 111.746+/-0.032 χ^2/NDF: 672032.7/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

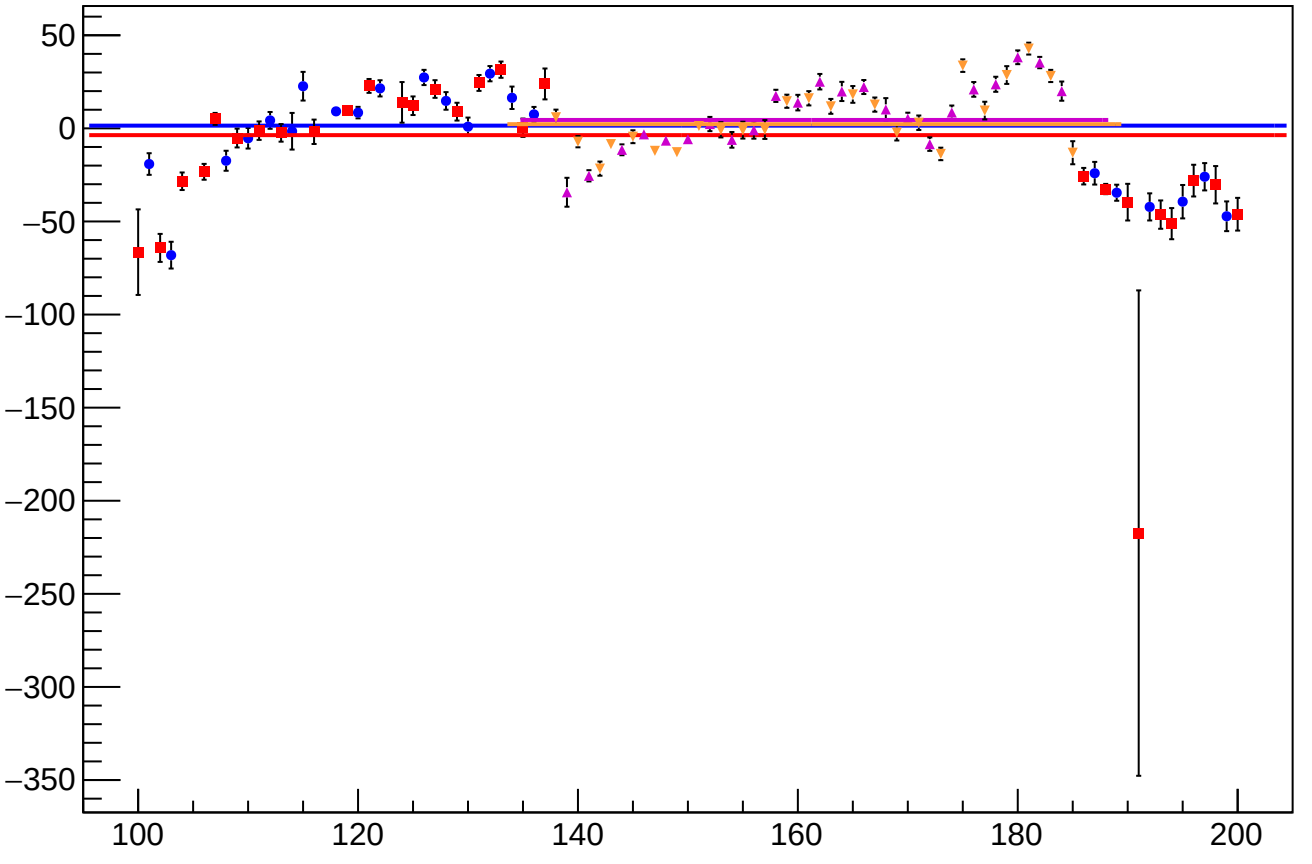
Right Out: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97

\- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

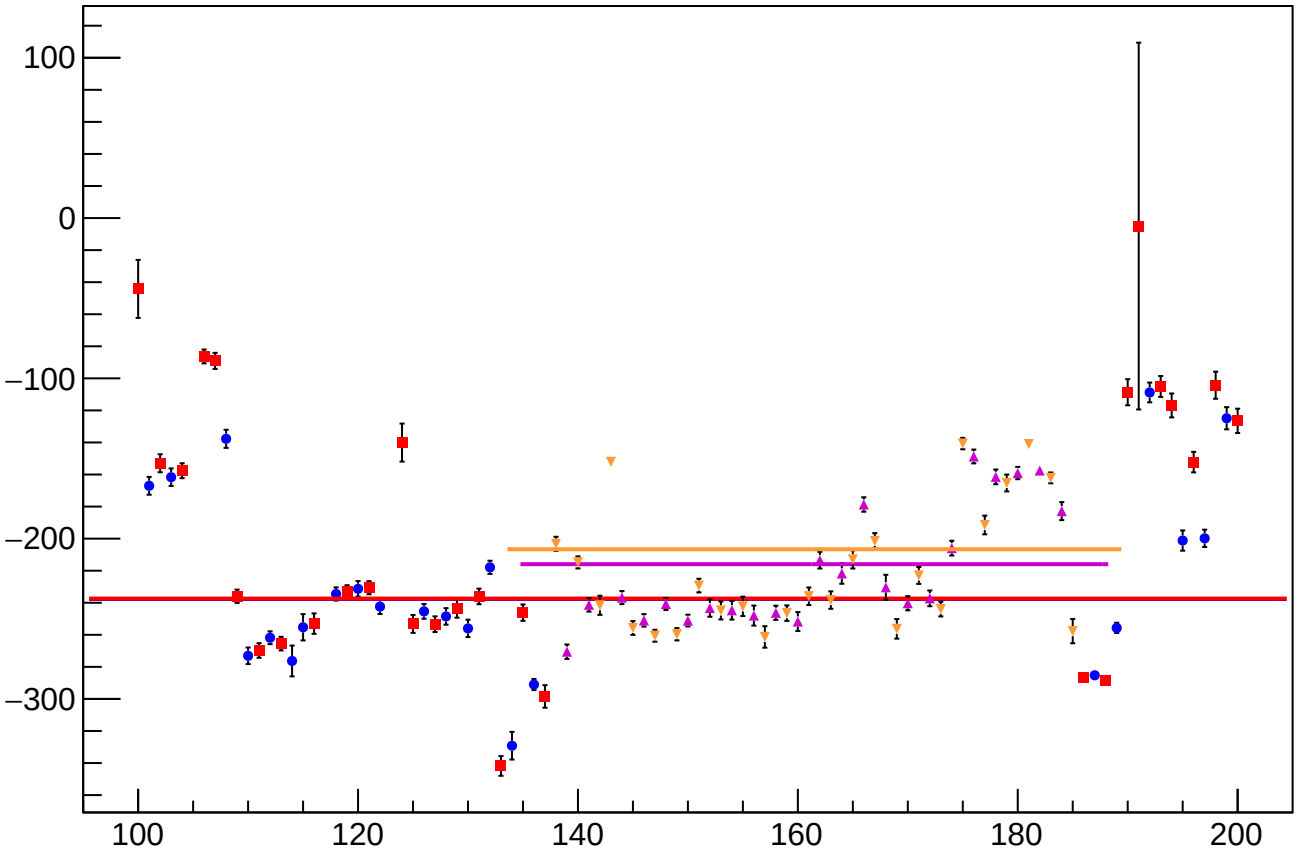
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.762+/-0.398 χ^2/NDF: 2285.2/97

- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

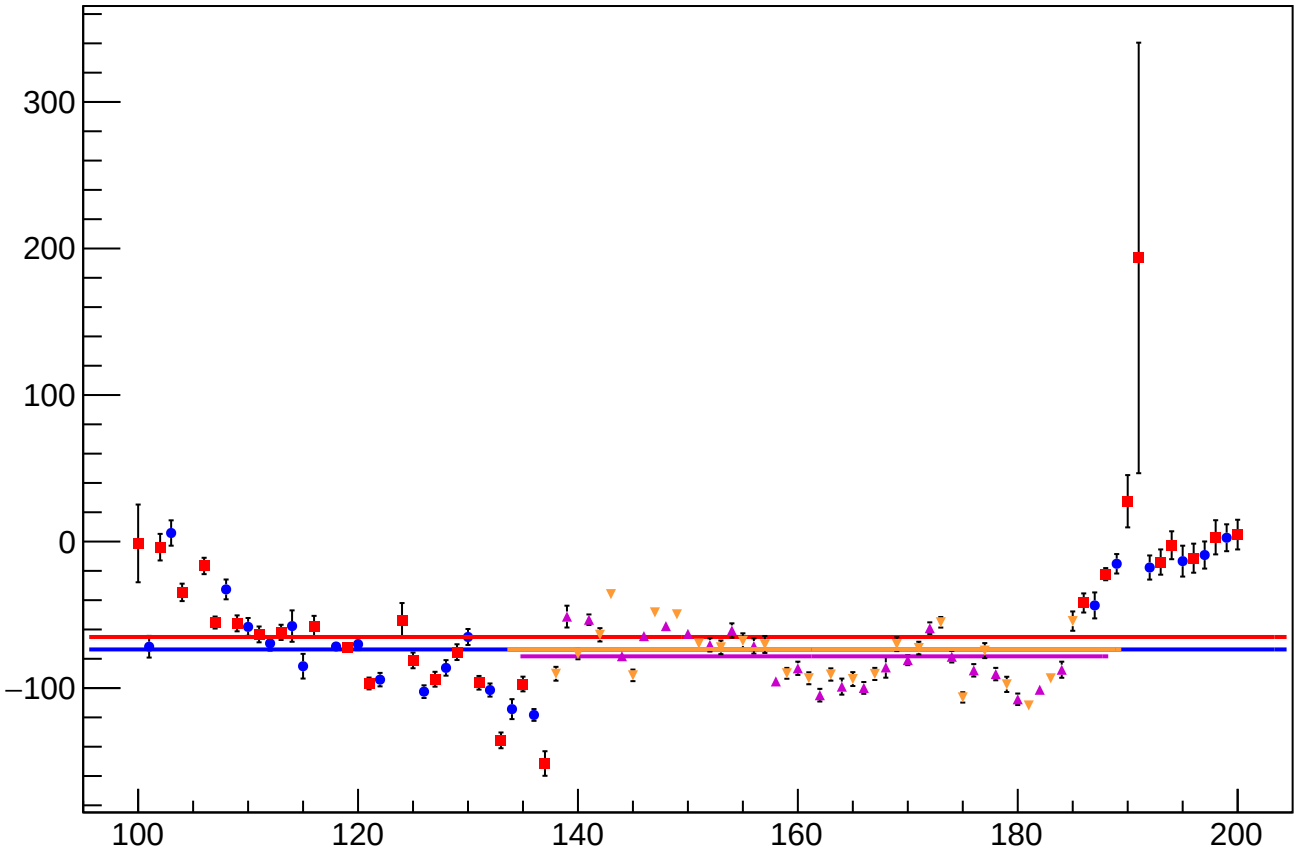
Right Out: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.060+/-0.674 χ^2/NDF: 5209.4/46

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

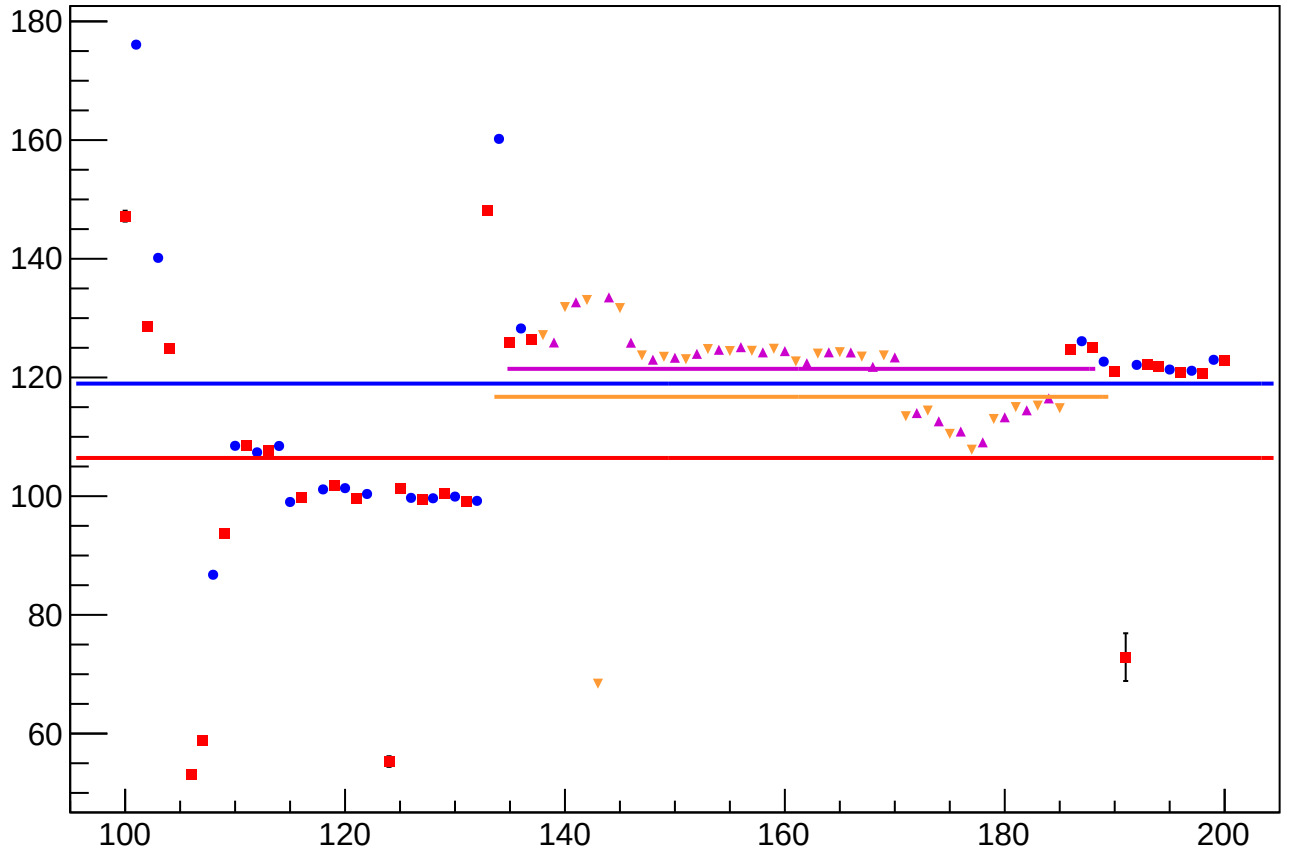
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

\- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

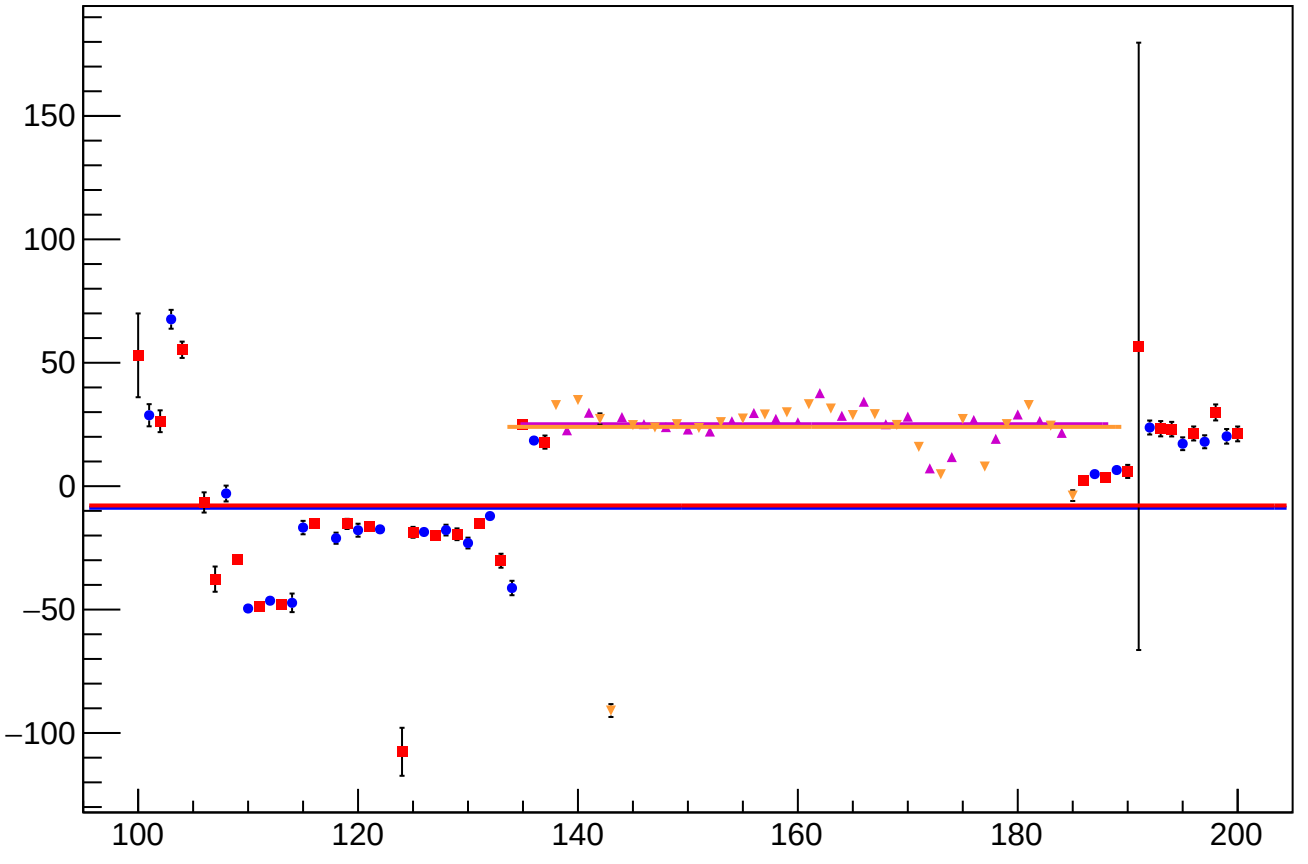
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.820+/-0.416 χ^2/NDF: 3236.0/27

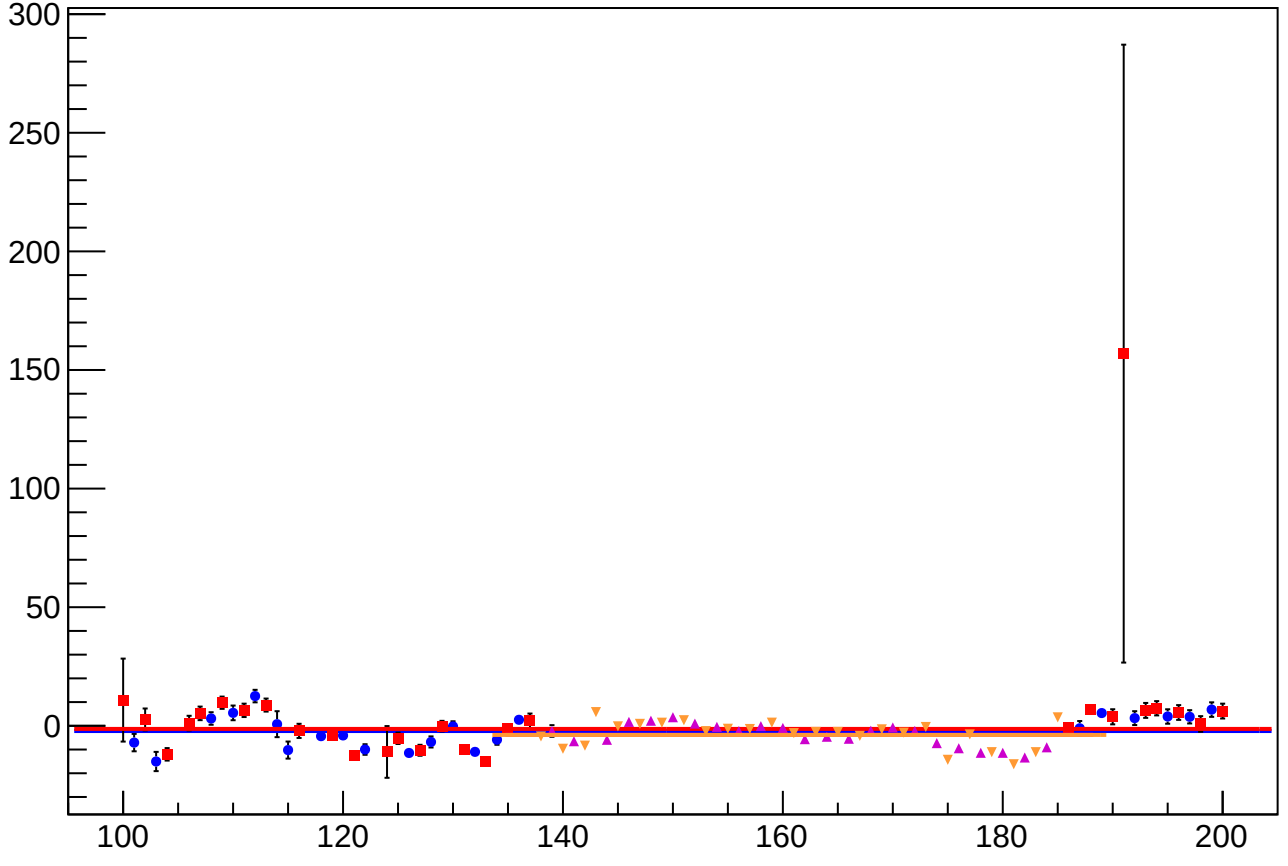
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.350+/-0.242 χ^2/NDF: 9200.0/46

All: 14.894+/-0.169 χ^2/NDF: 17179.0/97

- sign 14.459+/-0.236 χ^2/NDF: 7972.0/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.308+/-0.465 χ^2/NDF: 241.0/27

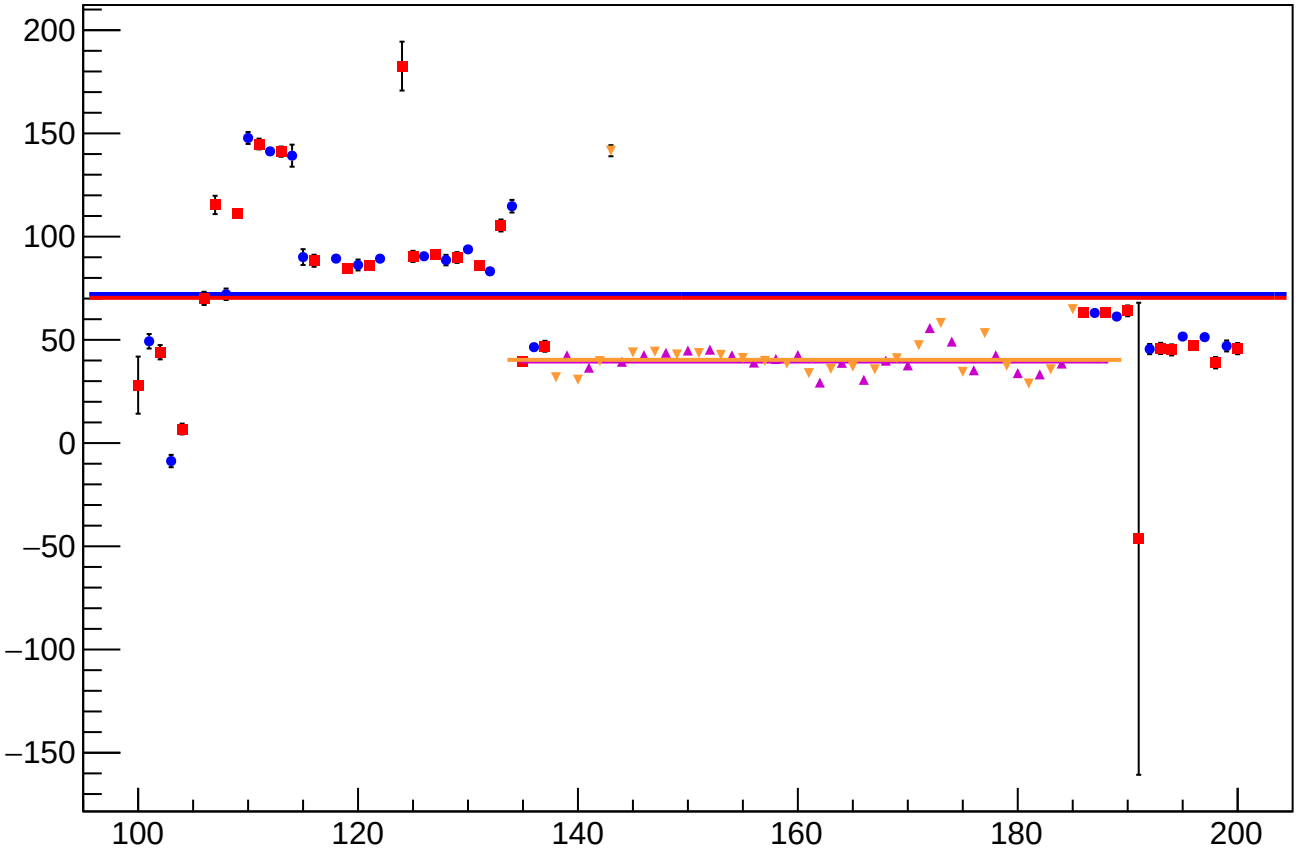
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.580+/-0.199 χ^2/NDF: 823.5/46

All: -3.449+/-0.142 χ^2/NDF: 1598.1/97

- sign -3.316+/-0.202 χ^2/NDF: 773.7/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

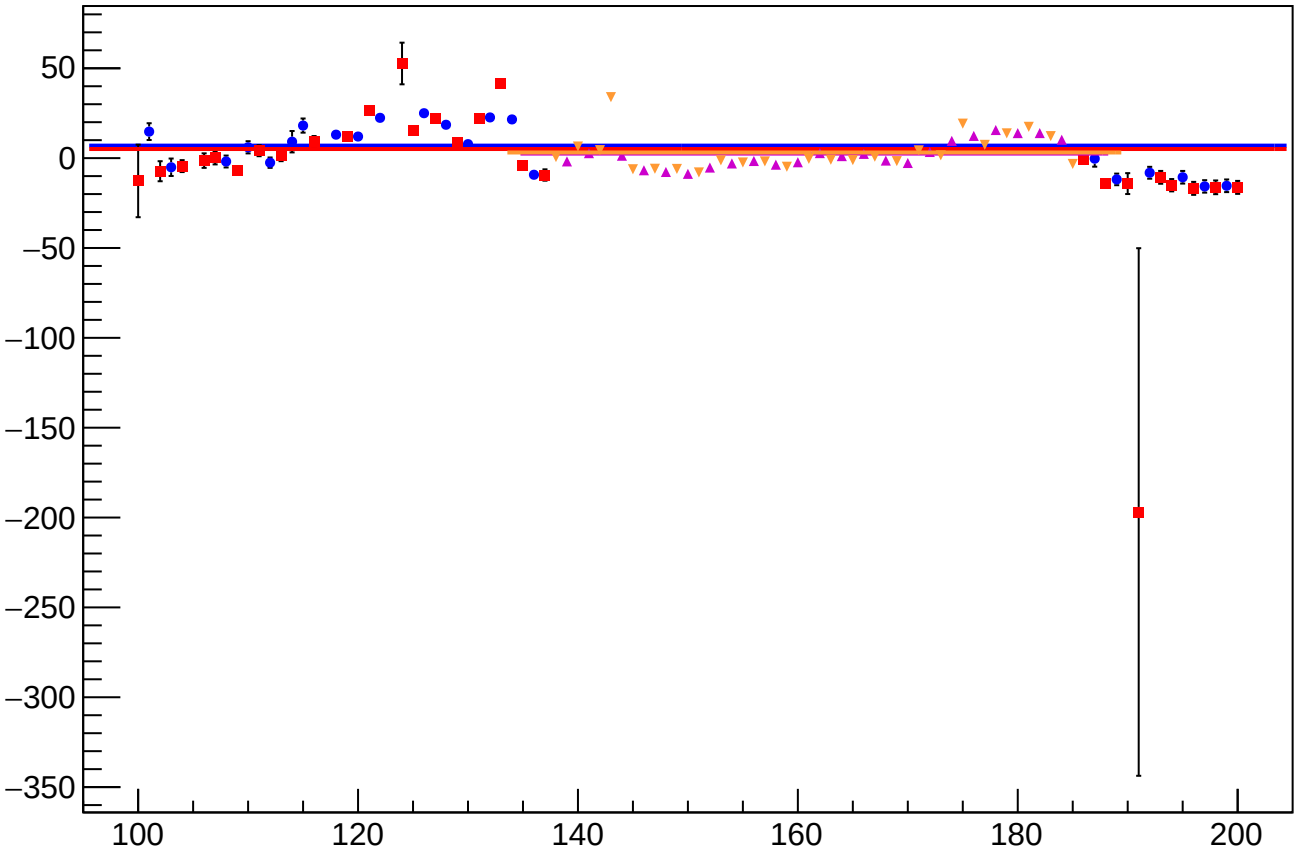
Right Out: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.253+/-0.243 χ^2/NDF: 9322.5/46

All: 48.867+/-0.169 χ^2/NDF: 17850.5/97

- sign 49.439+/-0.234 χ^2/NDF: 8515.7/50



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

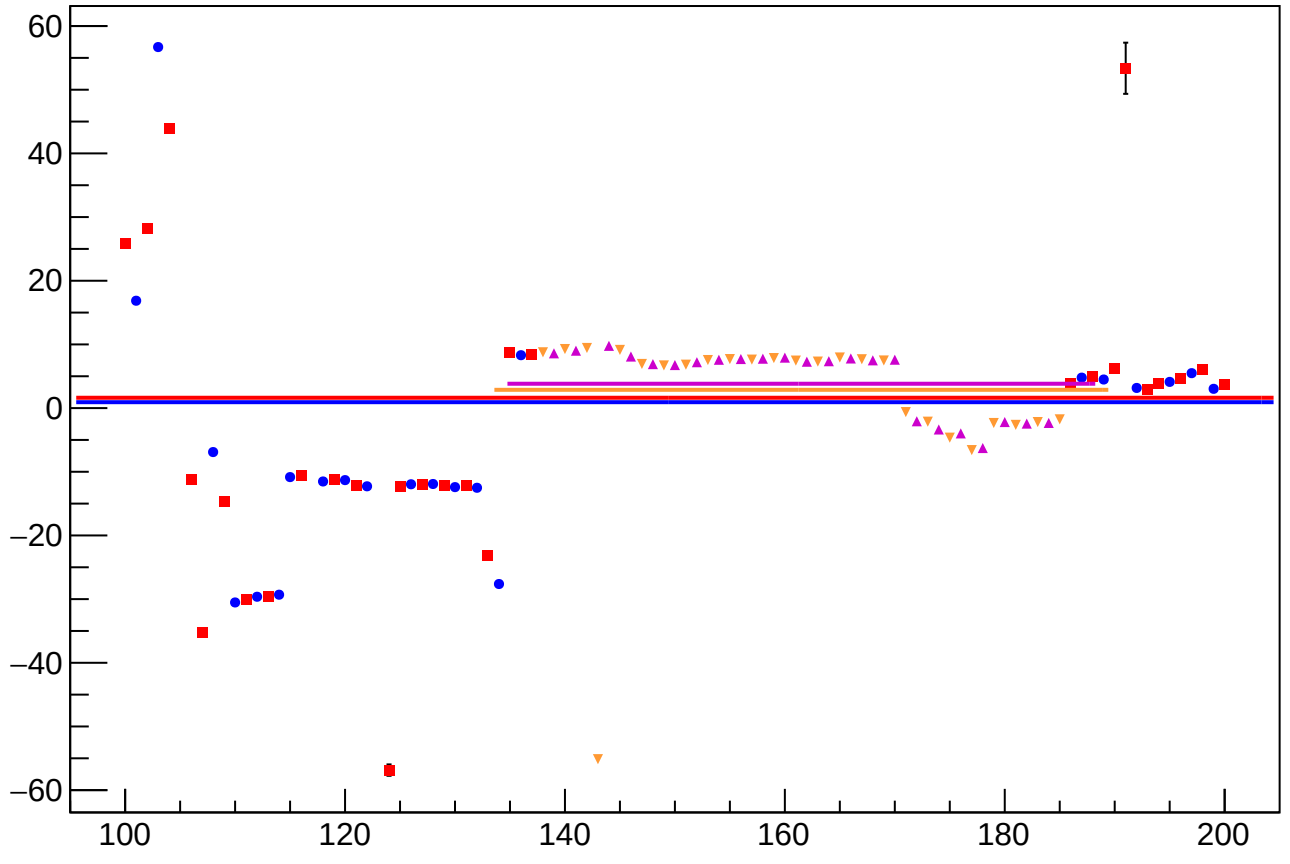
Right Out: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.731+/-0.226 χ^2/NDF: 1859.6/46

All: 3.347+/-0.161 χ^2/NDF: 3644.9/97

- sign 2.953+/-0.229 χ^2/NDF: 1779.4/50



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

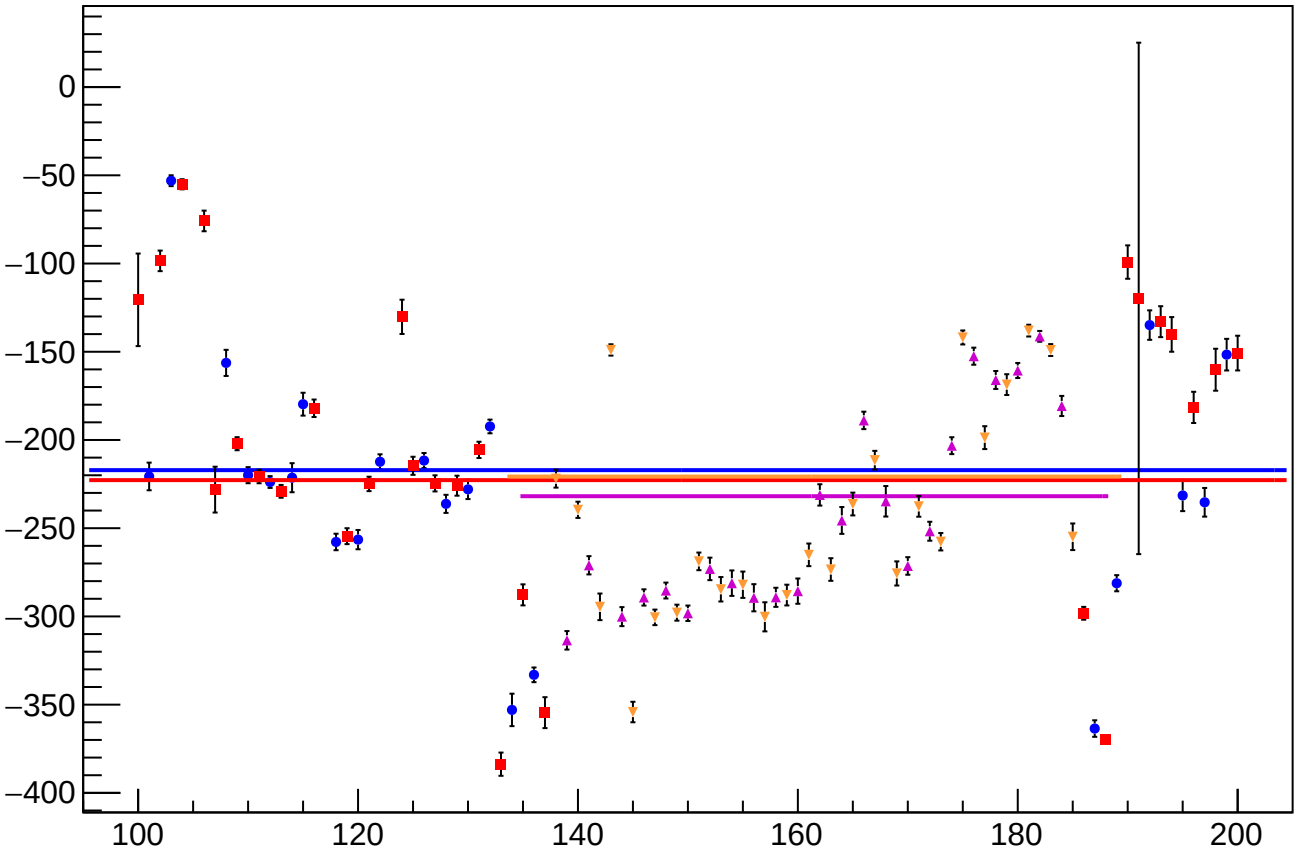
Right Out: 1.625+/-0.028 χ^2/NDF: 325225.6/27

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.624+/-0.010 χ^2/NDF: 890769.1/46

All: 3.070+/-0.007 χ^2/NDF: 1458459.9/97

- sign 3.520+/-0.010 χ^2/NDF: 563891.7/50



Right In: -217.098+/-1.078 χ^2/NDF: 5482.7/21

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -222.754+/-0.956 χ^2/NDF: 10042.4/27

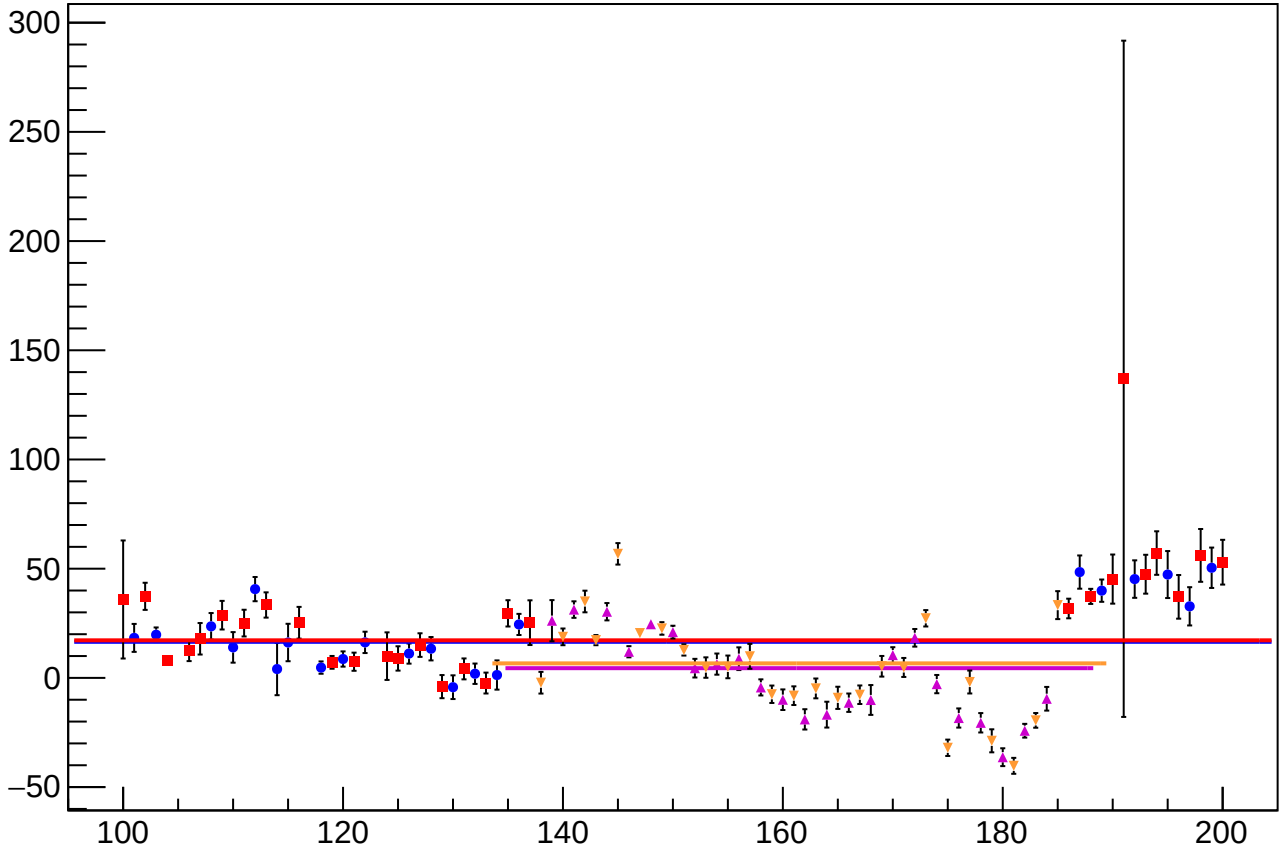
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.014+/-0.740 χ^2/NDF: 9540.9/46

All: -223.027+/-0.514 χ^2/NDF: 22840.6/97

- sign -226.771+/-0.715 χ^2/NDF: 13242.8/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.521+/-1.122 χ^2/NDF: 154.1/21

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 17.195+/-1.007 χ^2/NDF: 212.8/27

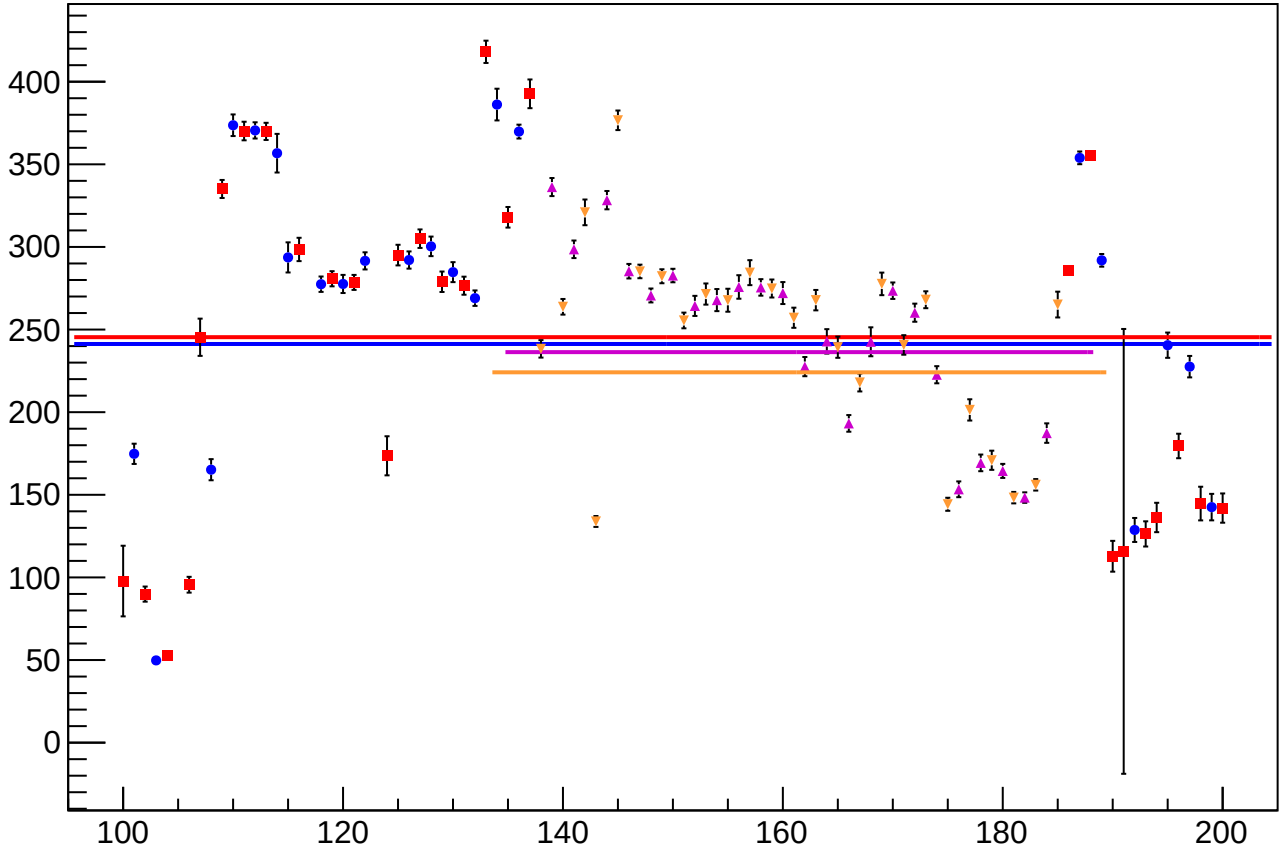
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.706+/-0.625 χ^2/NDF: 942.5/46

All: 9.569+/-0.444 χ^2/NDF: 1820.0/97

- sign 9.430+/-0.630 χ^2/NDF: 877.4/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 241.267+/-1.090 χ^2/NDF: 10882.0/21

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

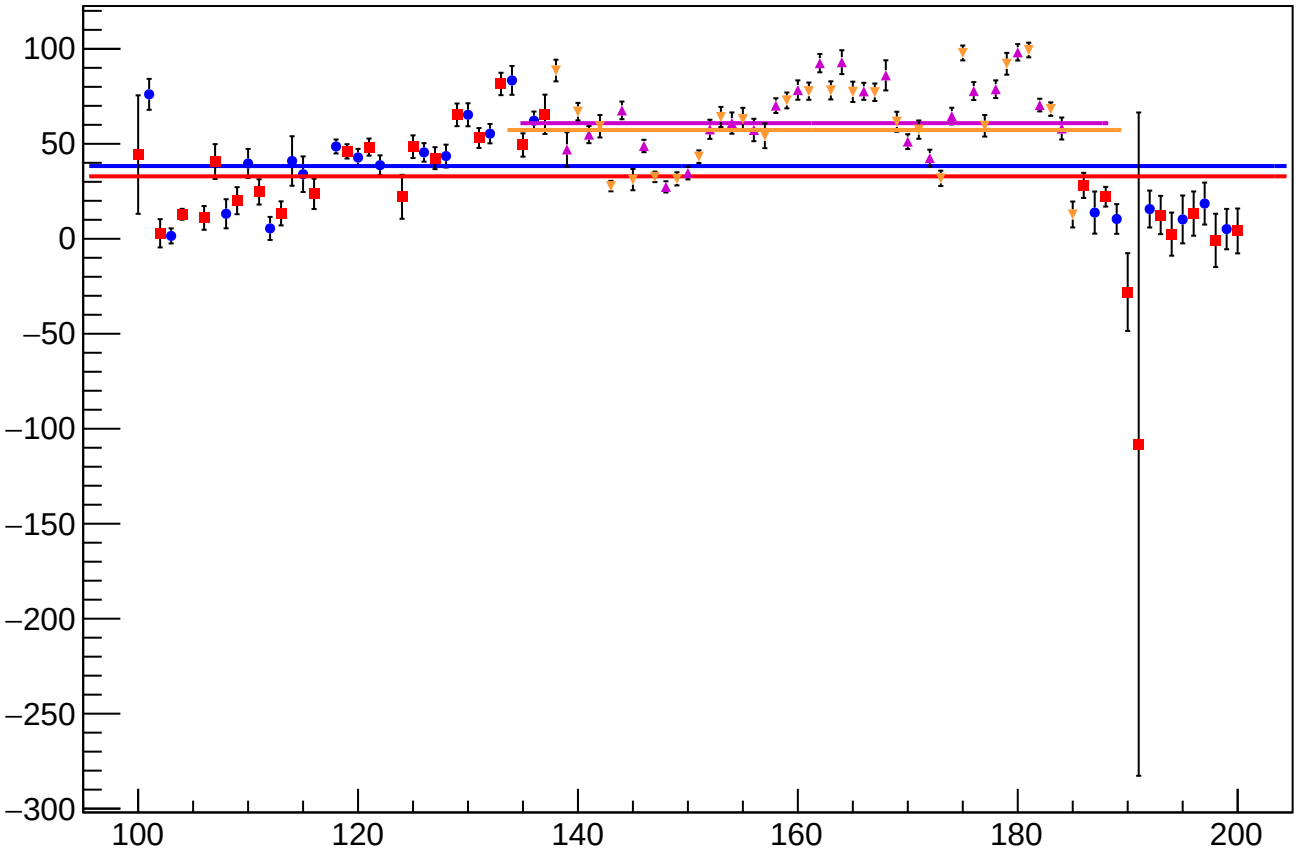
Right Out: 245.395+/-0.933 χ^2/NDF: 16379.2/27

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.071+/-0.742 χ^2/NDF: 14981.2/46

All: 237.032+/-0.510 χ^2/NDF: 34478.9/97

- sign 241.471+/-0.702 χ^2/NDF: 19413.0/50



Right In: 38.295+/-1.324 χ^2/NDF: 291.3/21

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

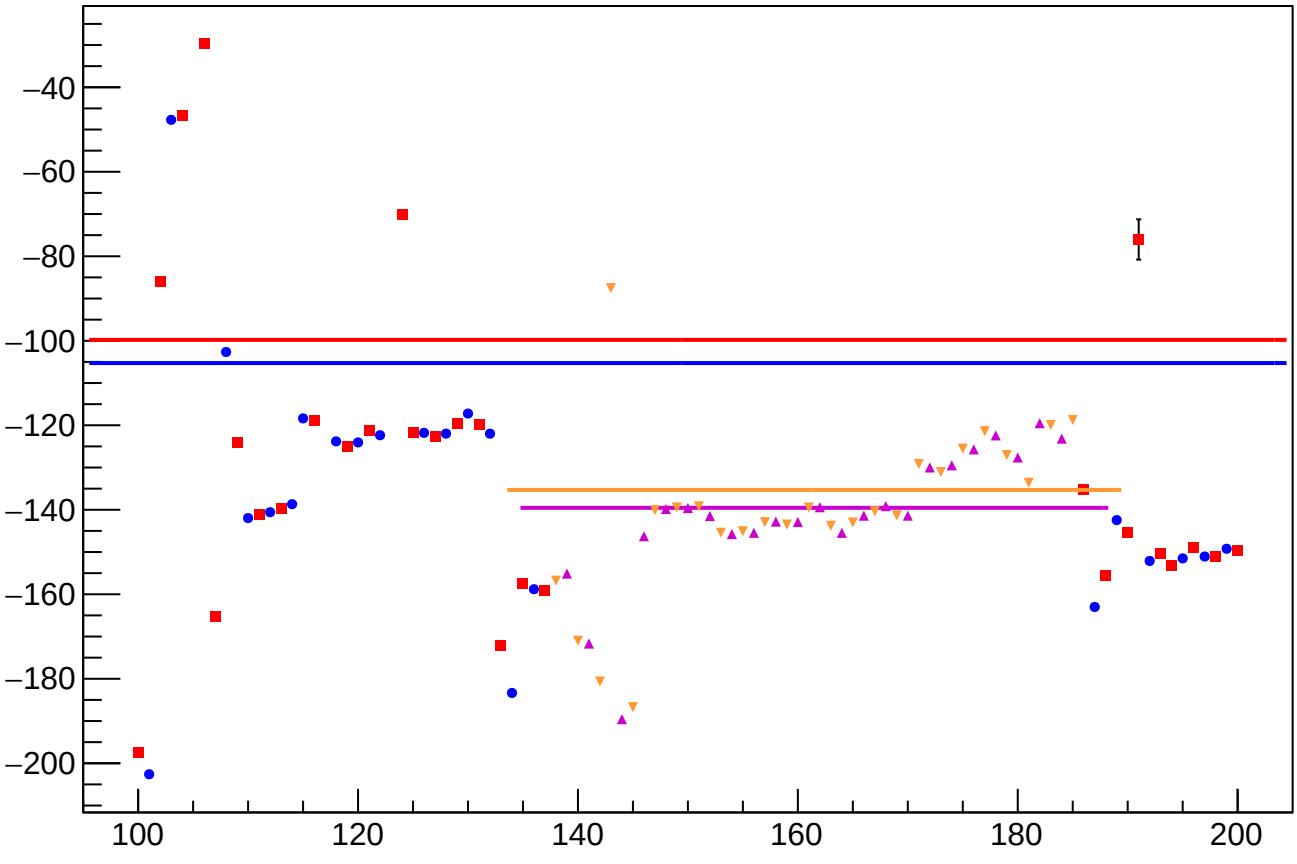
Right Out: 32.885+/-1.216 χ^2/NDF: 297.9/27

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.579+/-0.726 χ^2/NDF: 1203.1/46

All: 51.120+/-0.516 χ^2/NDF: 2292.9/97

- sign 50.649+/-0.735 χ^2/NDF: 1089.0/50



Right In: -105.269+/-0.063 χ^2/NDF: 631997.1/21

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

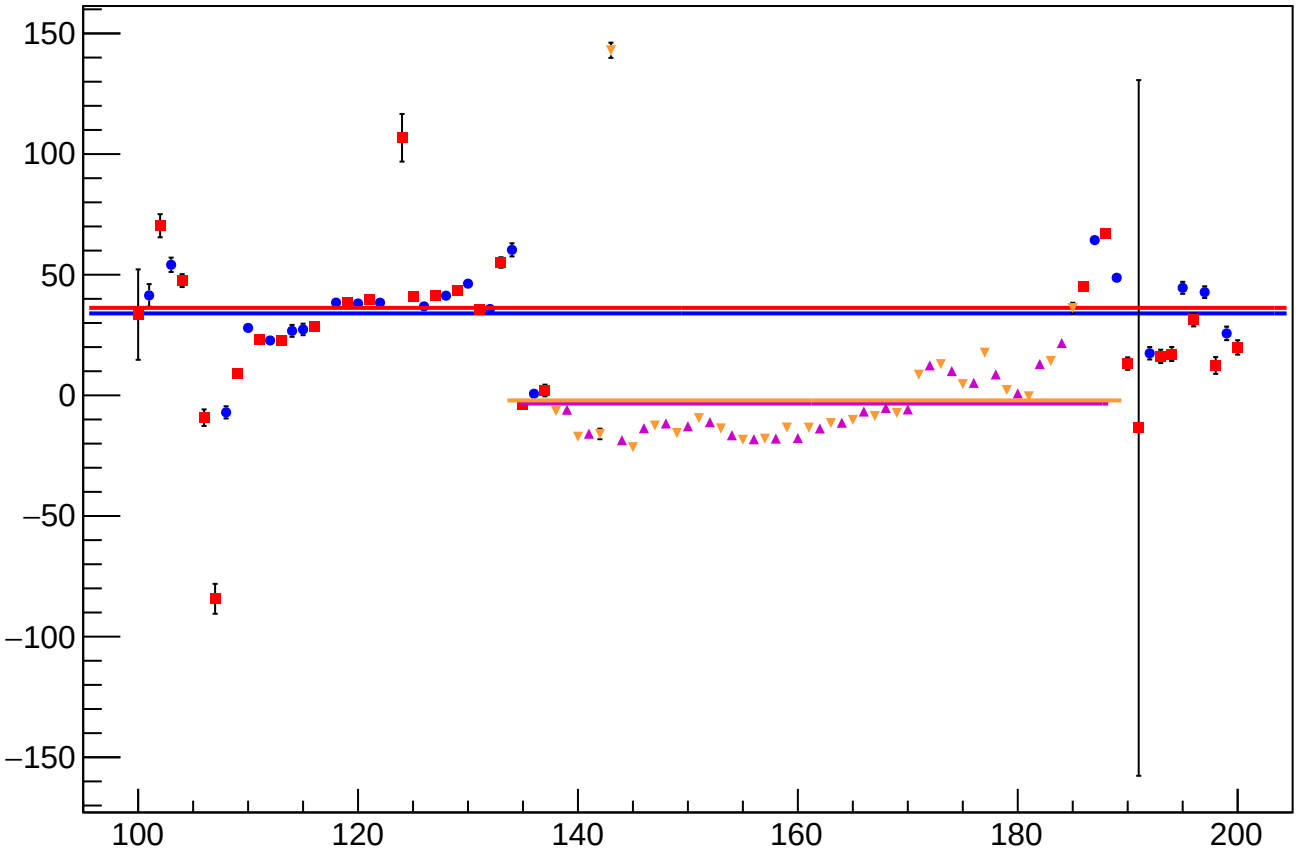
Right Out: -99.786+/-0.059 χ^2/NDF: 687506.6/27

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.483+/-0.034 χ^2/NDF: 1055822.6/46

All: -126.335+/-0.024 χ^2/NDF: 2157011.2/97

- sign -126.186+/-0.034 χ^2/NDF: 1101151.1/50



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

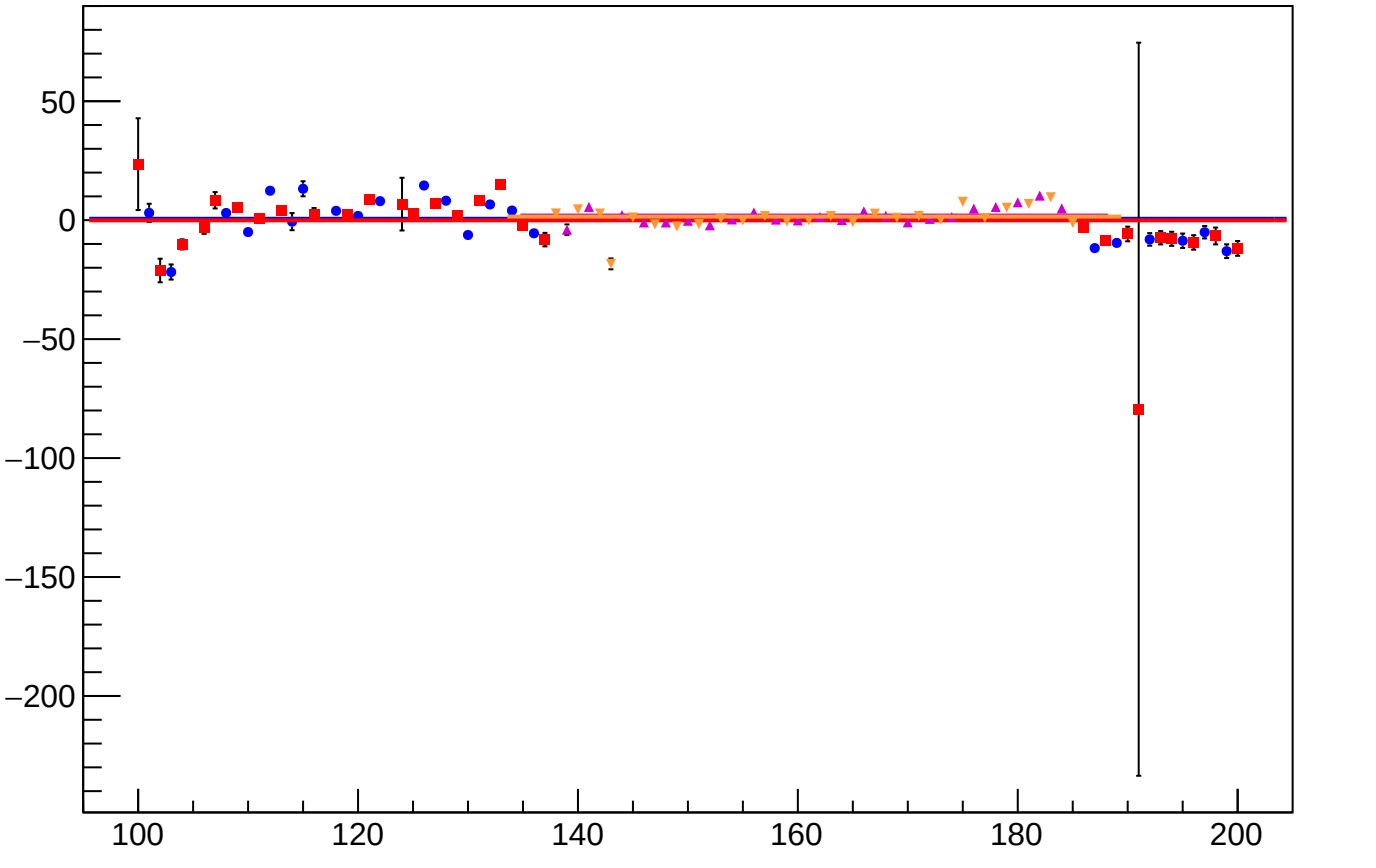
Right Out: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.258+/-0.216 χ^2/NDF: 12690.4/46

All: 11.838+/-0.149 χ^2/NDF: 28093.5/97

- sign 13.278+/-0.207 χ^2/NDF: 15301.2/50



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

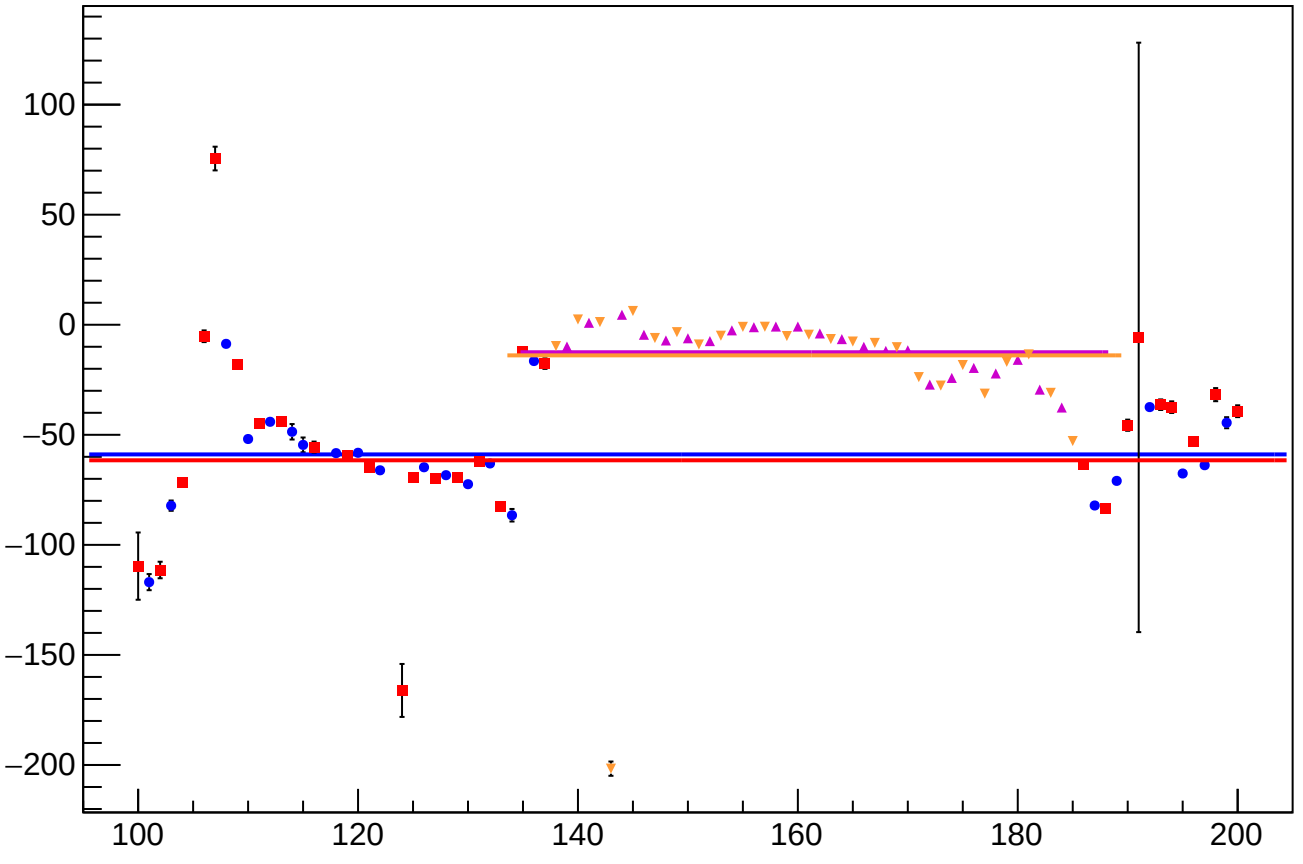
Right Out: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.298+/-0.182 χ^2/NDF: 737.0/46

All: 1.369+/-0.129 χ^2/NDF: 1363.3/97

\- sign 1.439+/-0.183 χ^2/NDF: 626.0/50



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

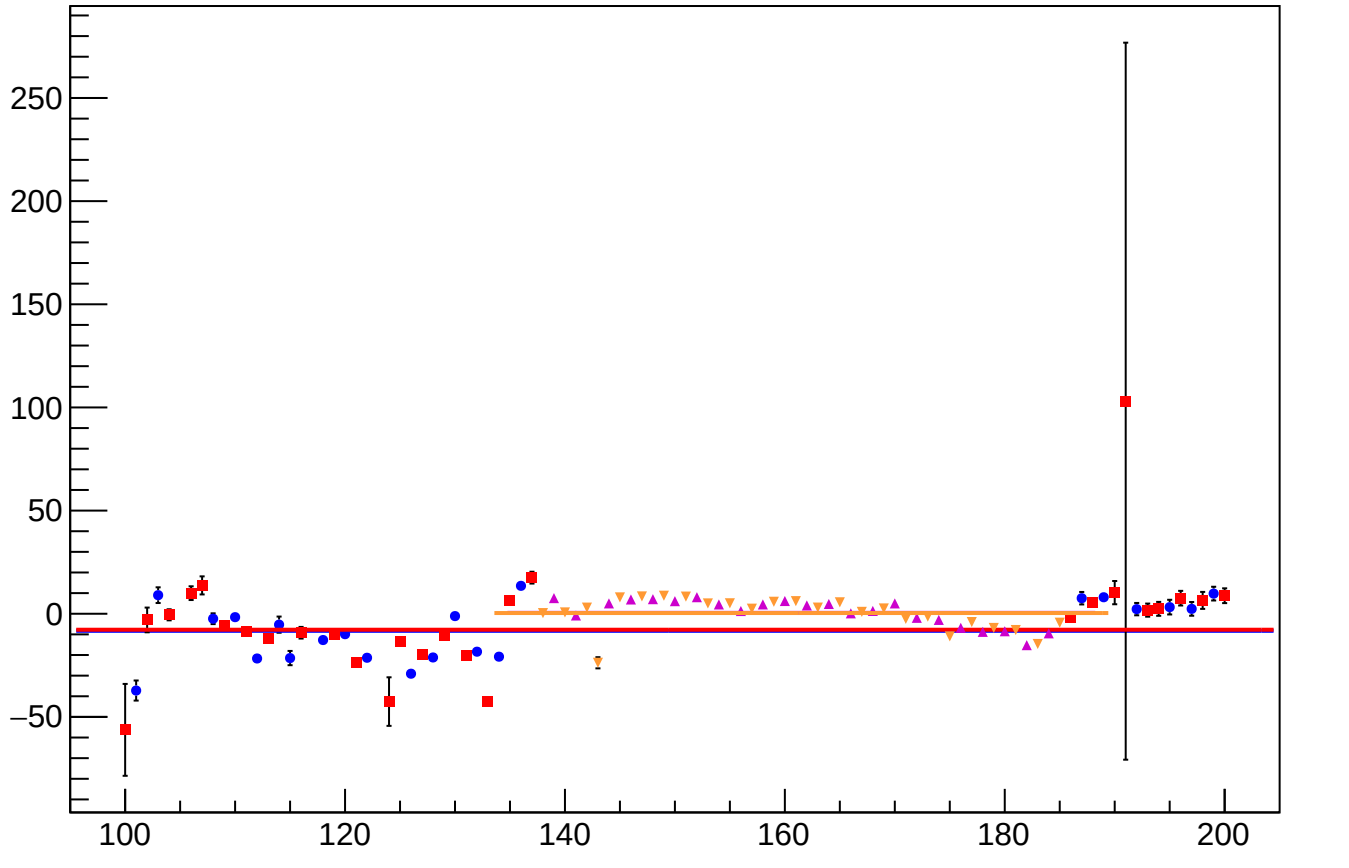
Right Out: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.333+/-0.218 χ^2/NDF: 17645.8/46

All: -30.945+/-0.149 χ^2/NDF: 38822.3/97

\- sign -33.233+/-0.204 χ^2/NDF: 20907.6/50



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

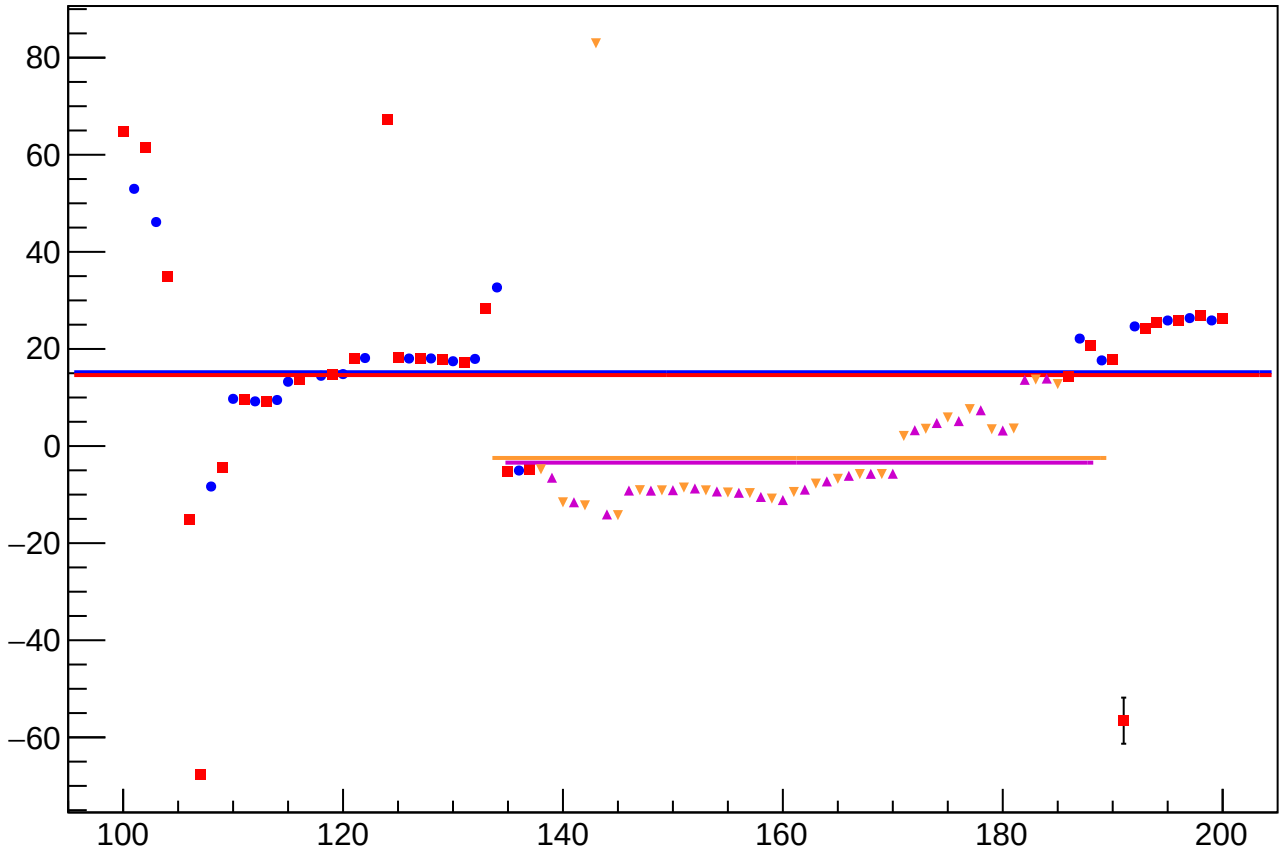
Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.351+/-0.207 χ^2/NDF: 2022.7/46

All: -1.362+/-0.147 χ^2/NDF: 3954.9/97

\- sign -1.373+/-0.209 χ^2/NDF: 1932.2/50



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

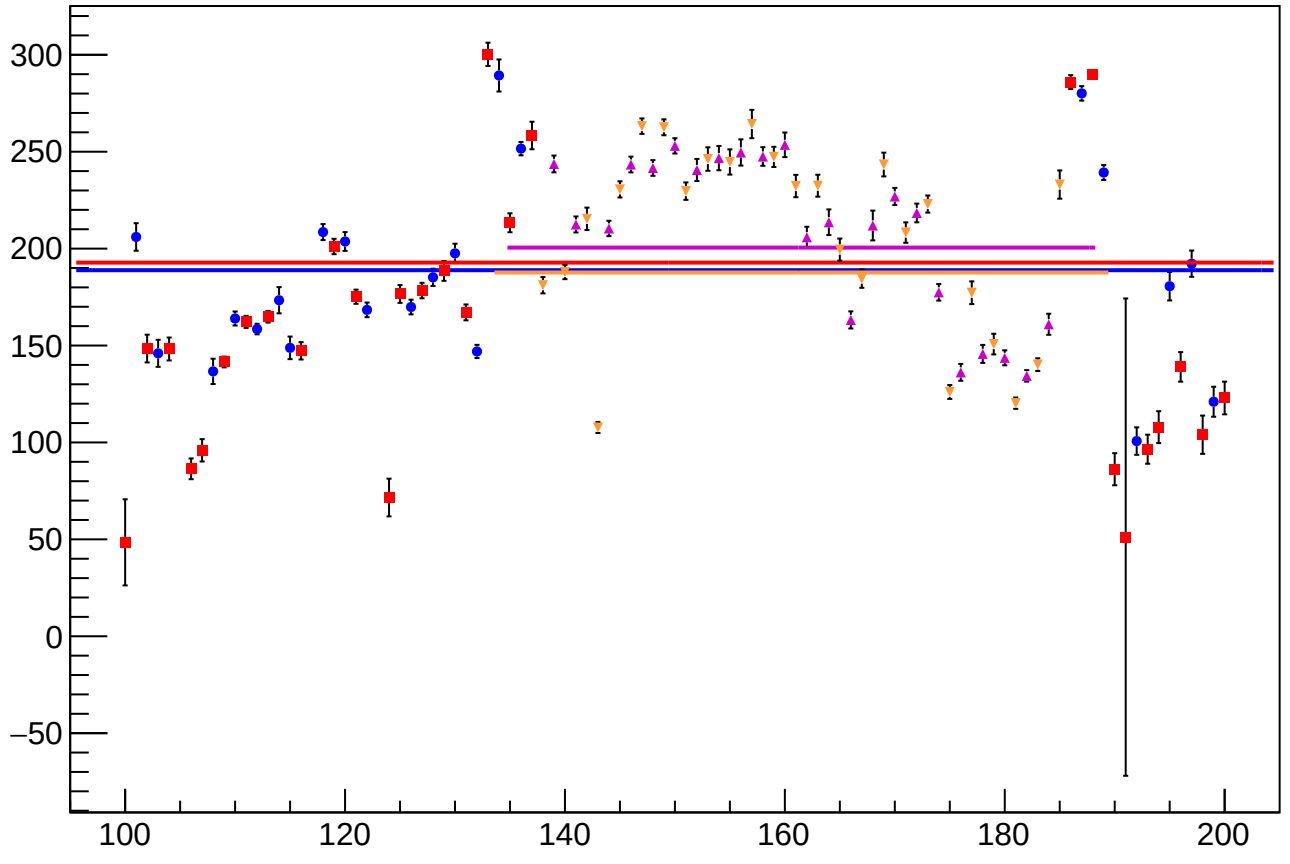
Right Out: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.156+/-0.010 χ^2/NDF: 1801279.9/46

All: -0.195+/-0.007 χ^2/NDF: 3359148.6/97

- sign -0.546+/-0.010 χ^2/NDF: 1555171.1/50



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

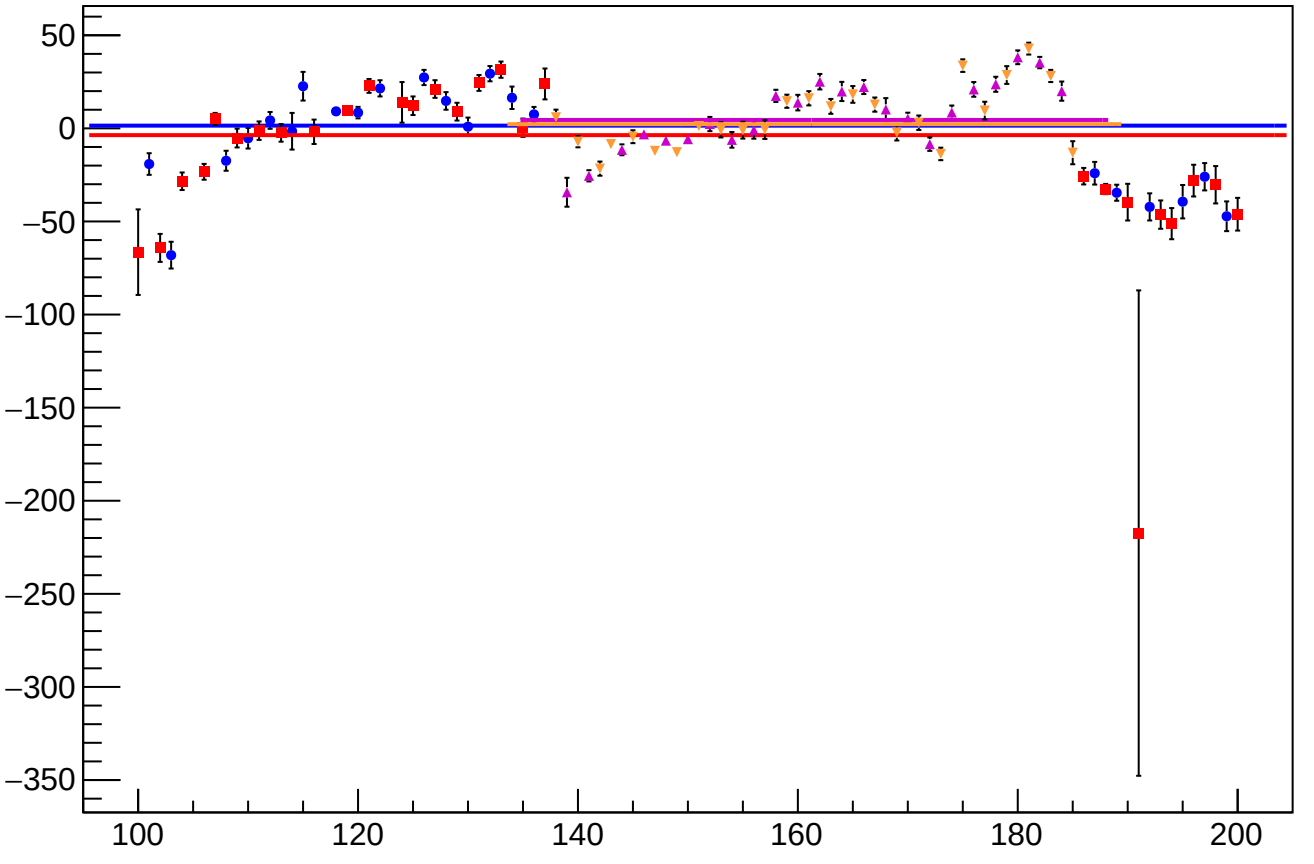
Right Out: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97

\- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

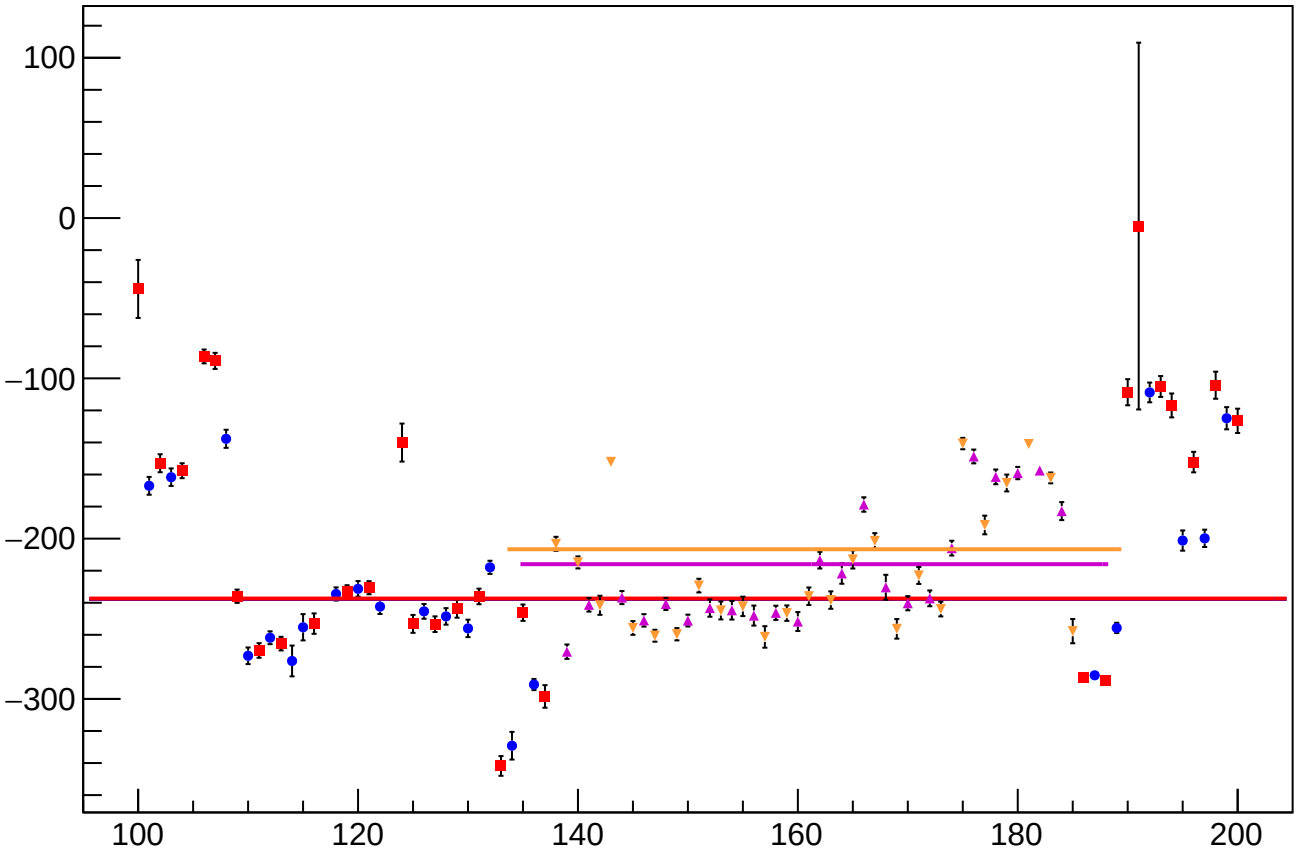
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.762+/-0.398 χ^2/NDF: 2285.2/97

\- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

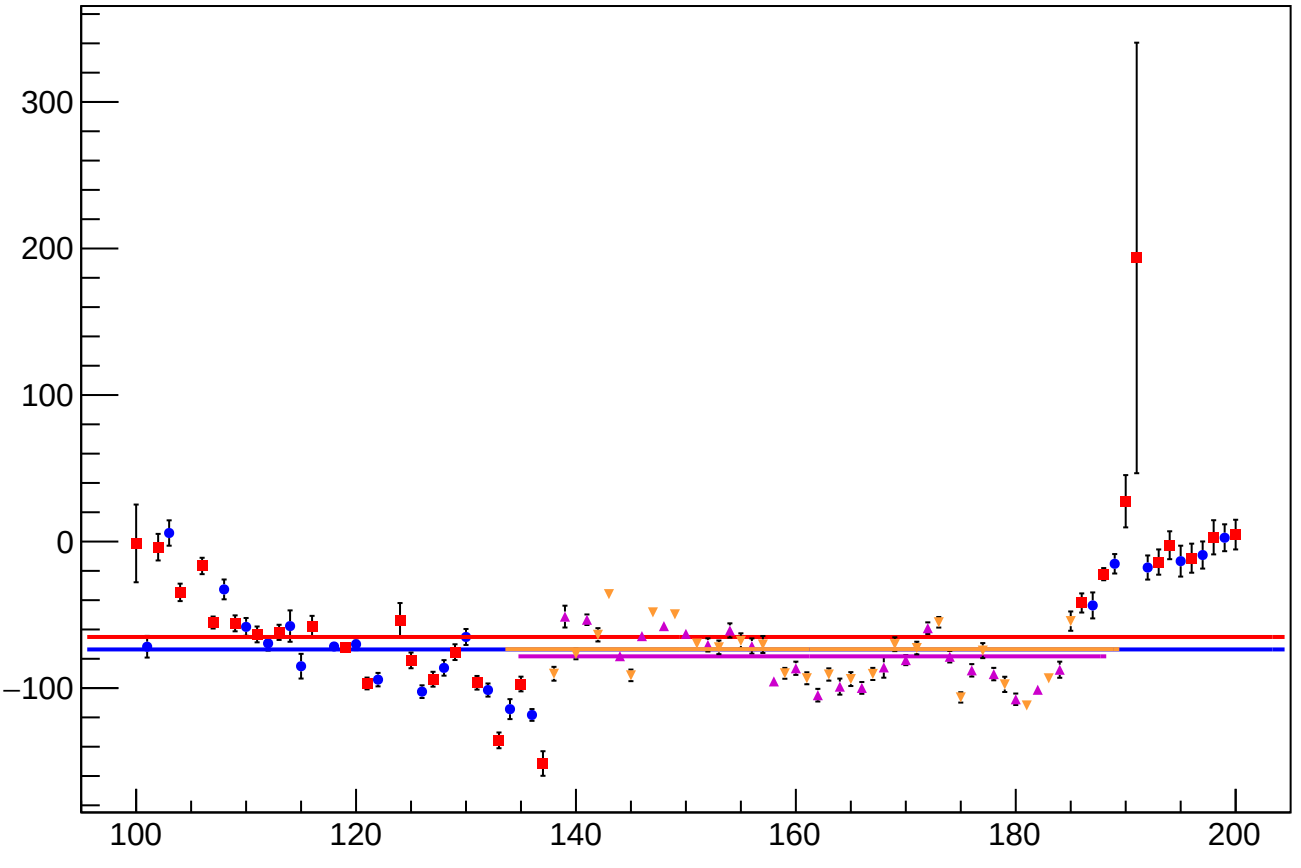
Right Out: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.060+/-0.674 χ^2/NDF: 5209.4/46

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

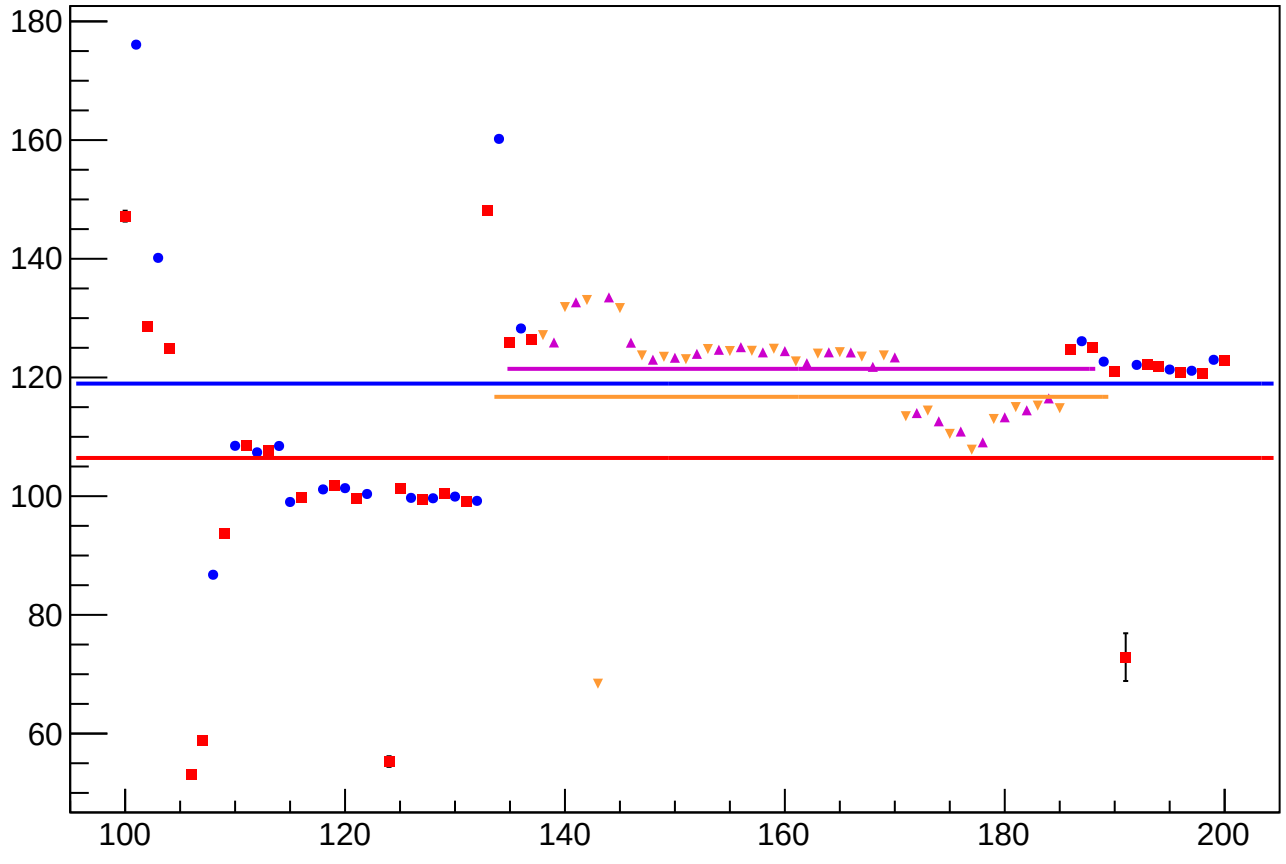
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

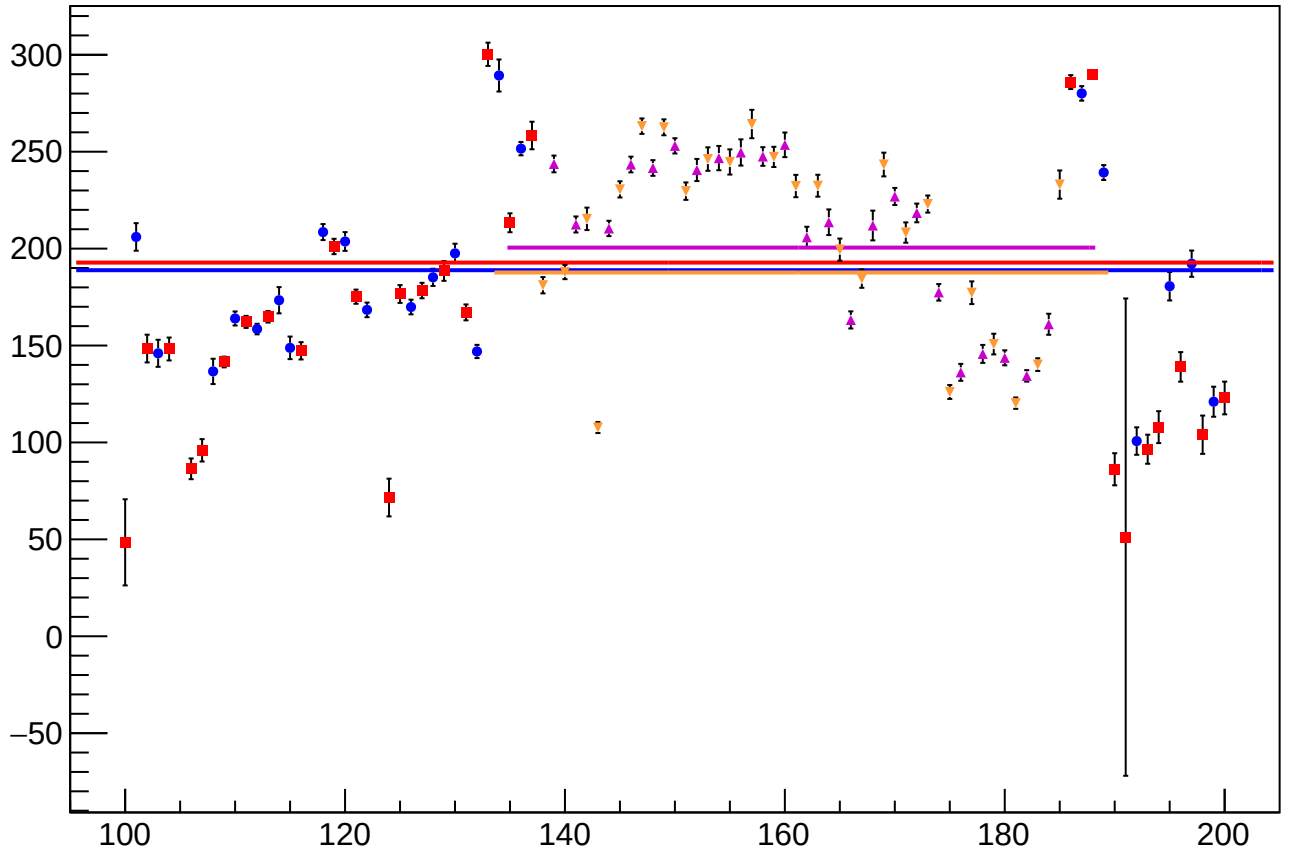
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

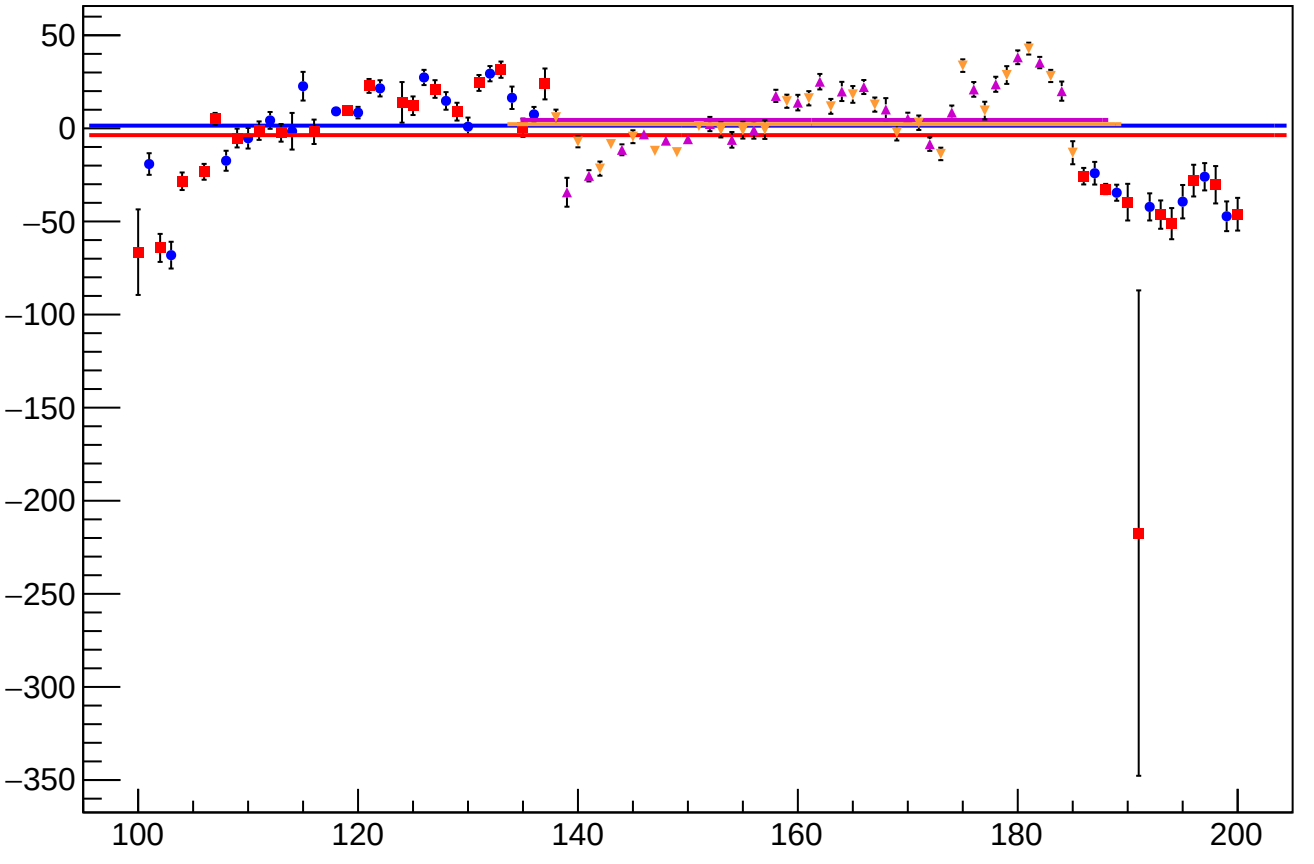
Right Out: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97

- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

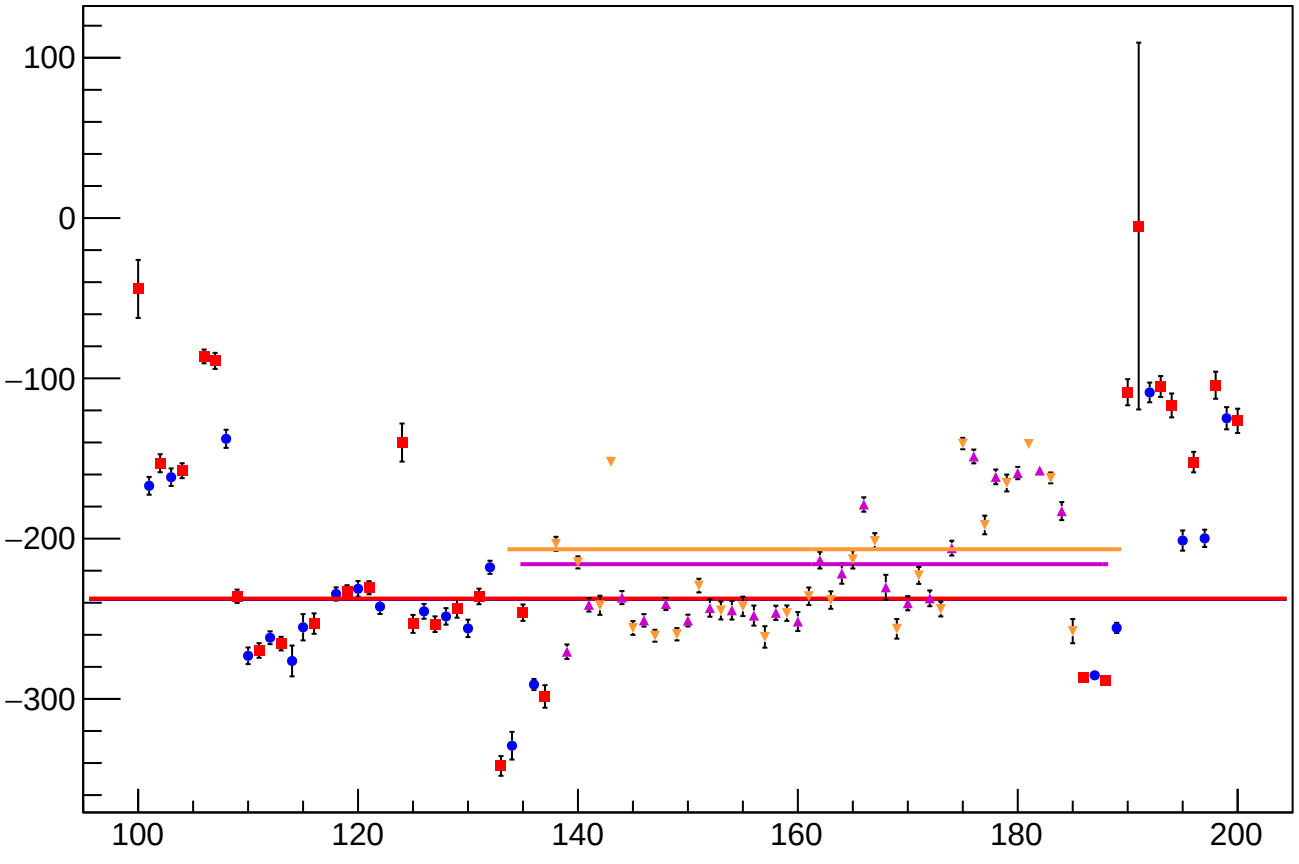
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.762+/-0.398 χ^2/NDF: 2285.2/97

- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

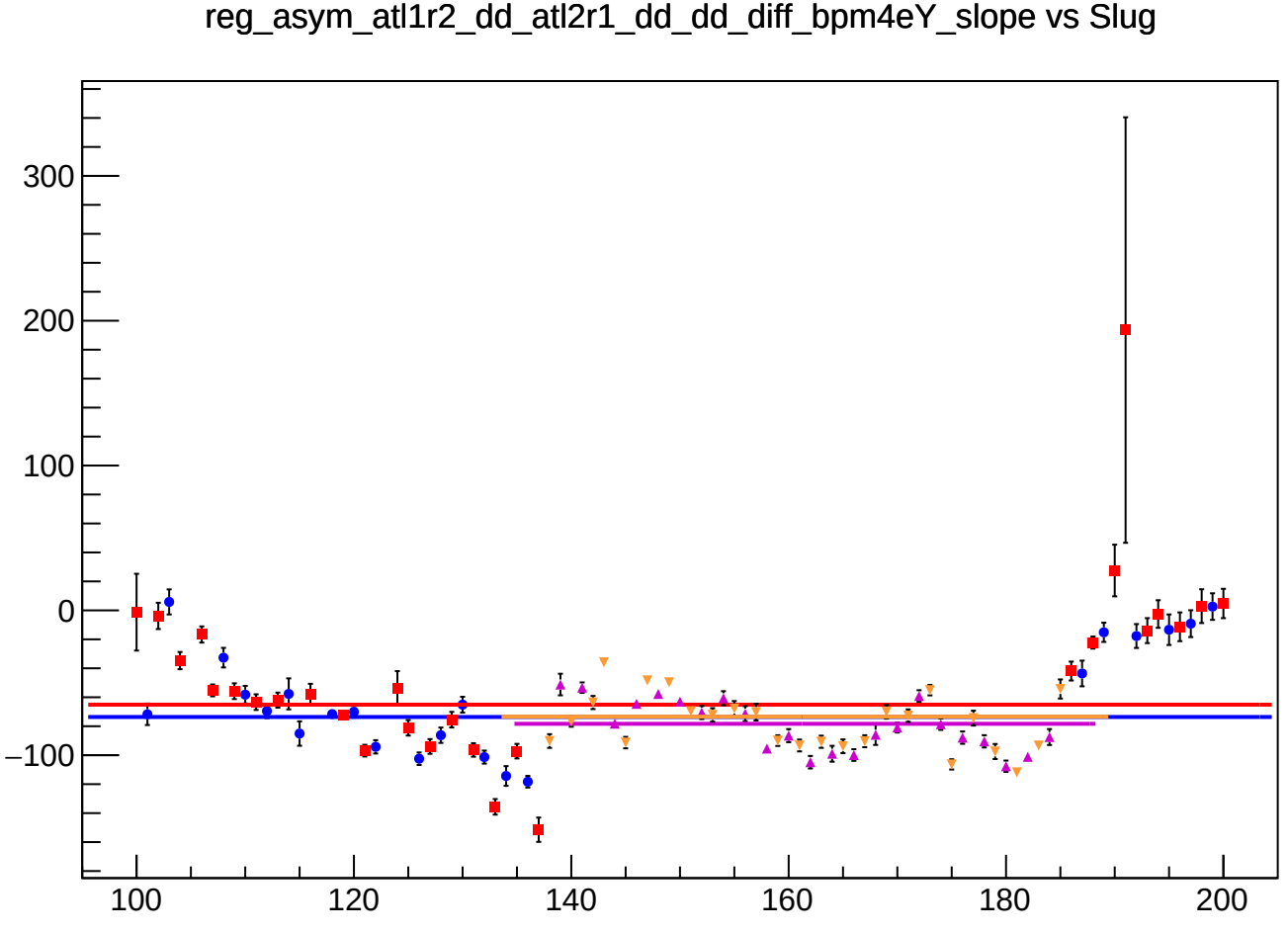
Right Out: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.060+/-0.674 χ^2/NDF: 5209.4/46

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

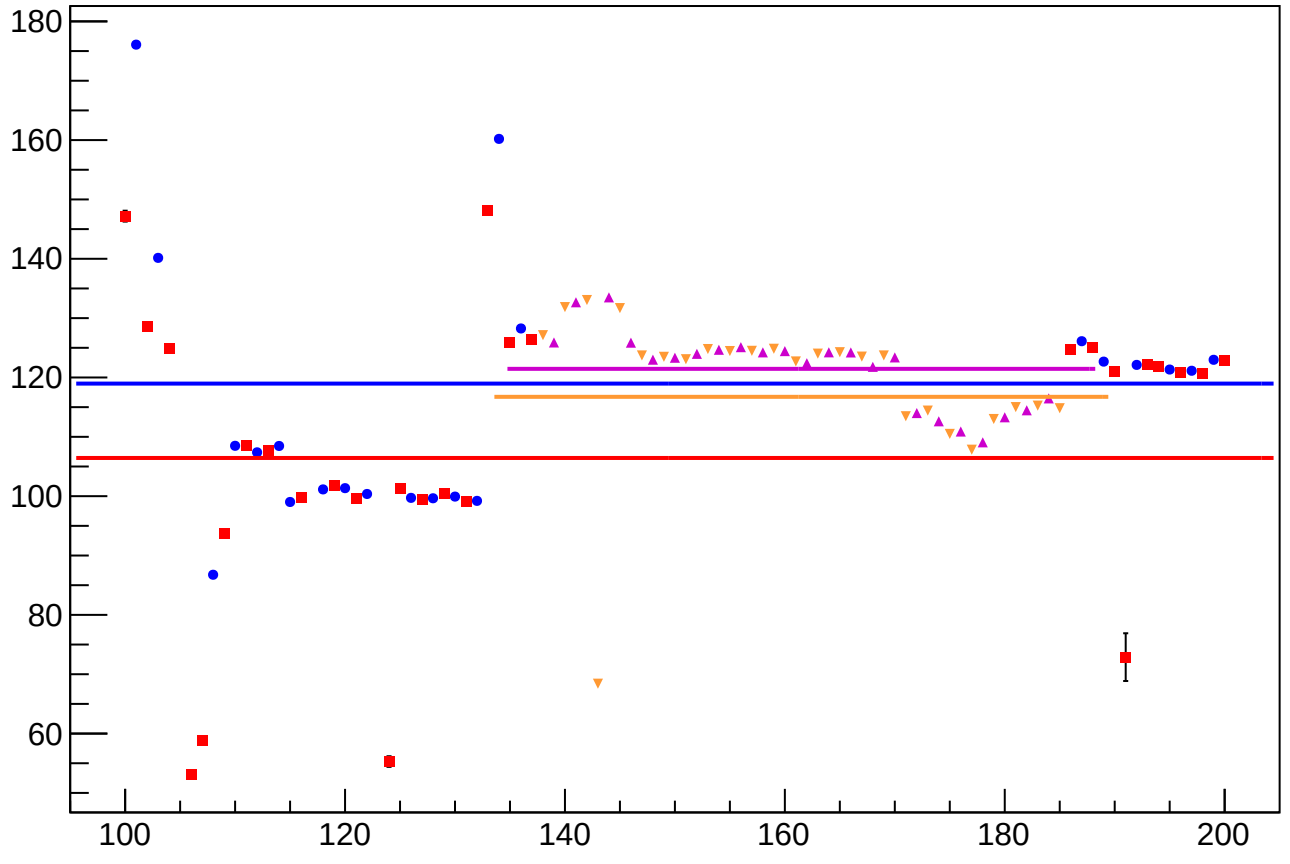
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

\- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

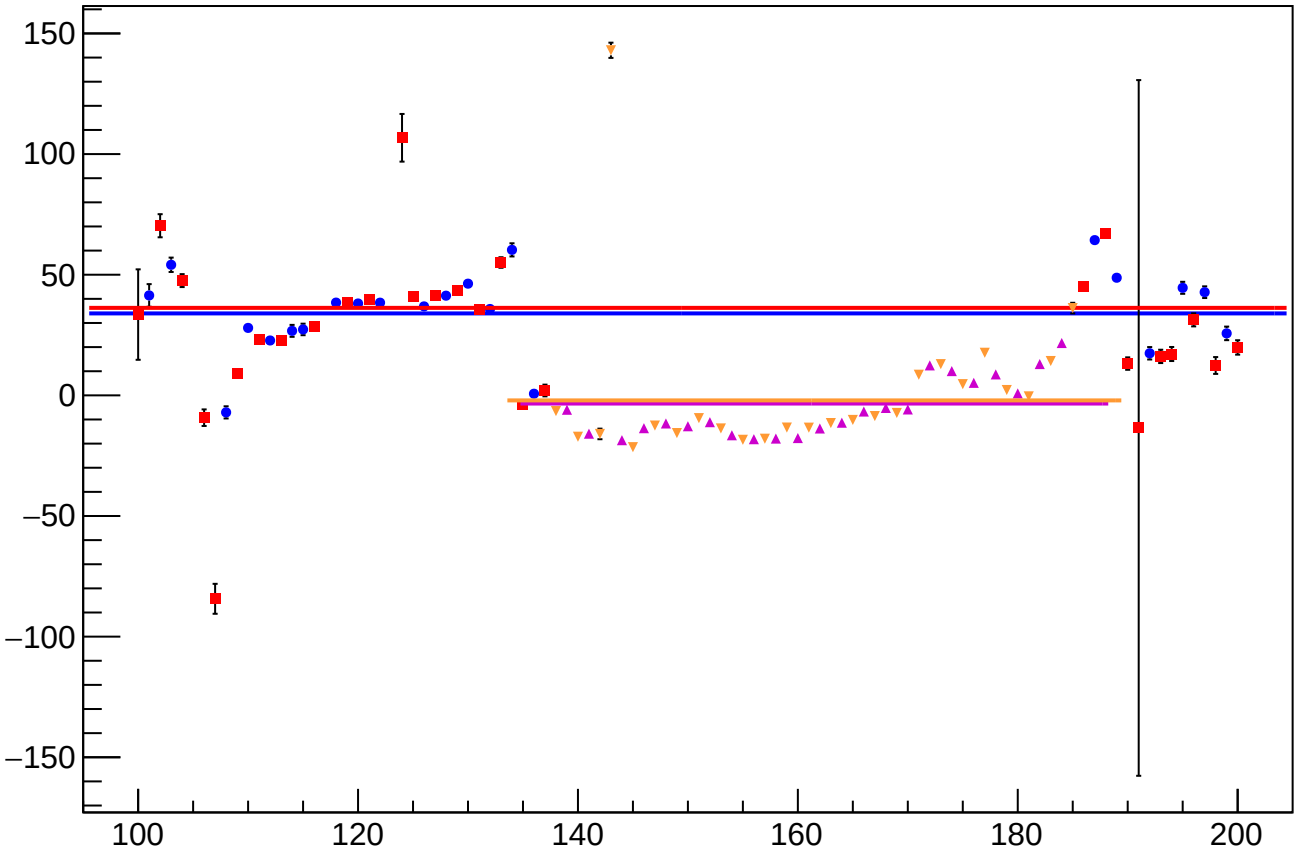
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

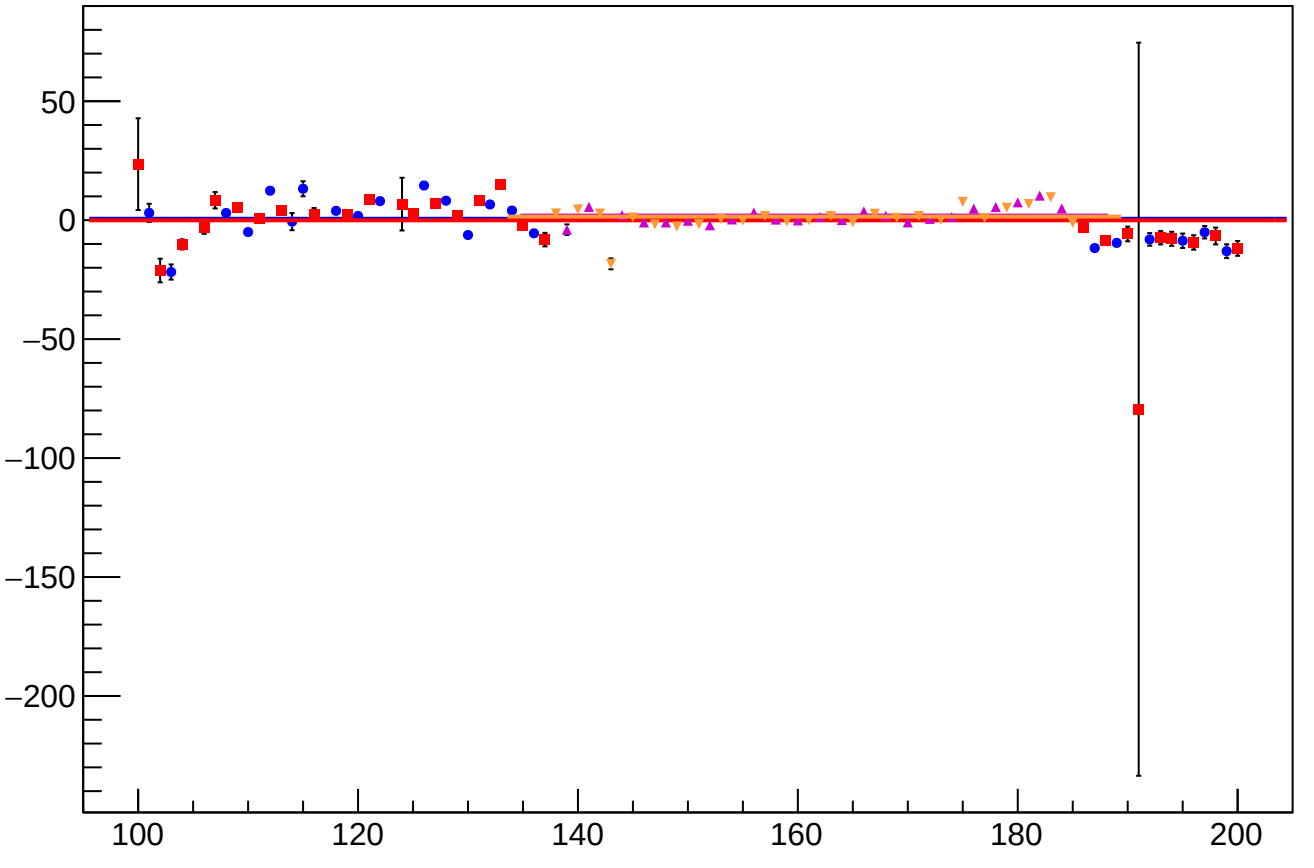
Right Out: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.258+/-0.216 χ^2/NDF: 12690.4/46

All: 11.838+/-0.149 χ^2/NDF: 28093.5/97

- sign 13.278+/-0.207 χ^2/NDF: 15301.2/50



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

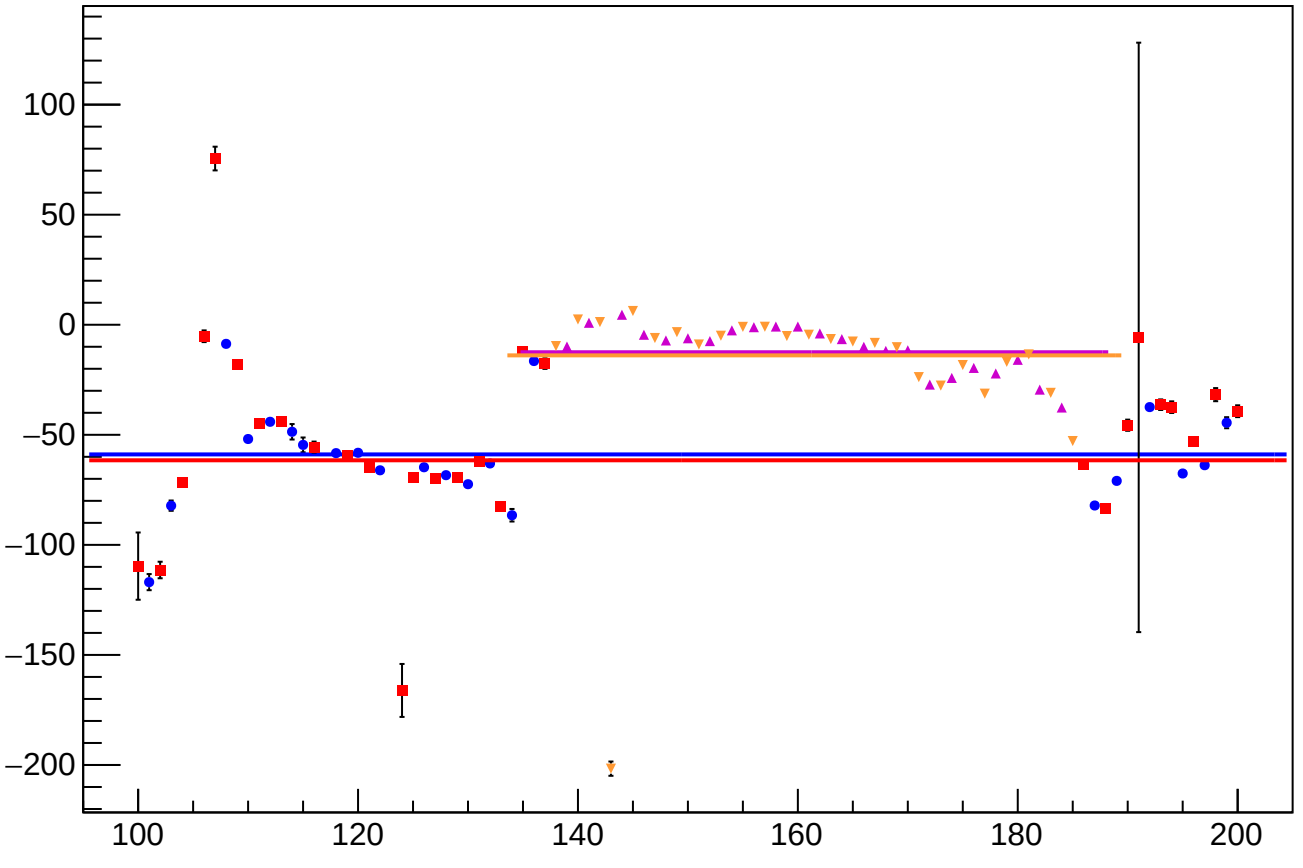
Right Out: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.298+/-0.182 χ^2/NDF: 737.0/46

All: 1.369+/-0.129 χ^2/NDF: 1363.3/97

\- sign 1.439+/-0.183 χ^2/NDF: 626.0/50



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

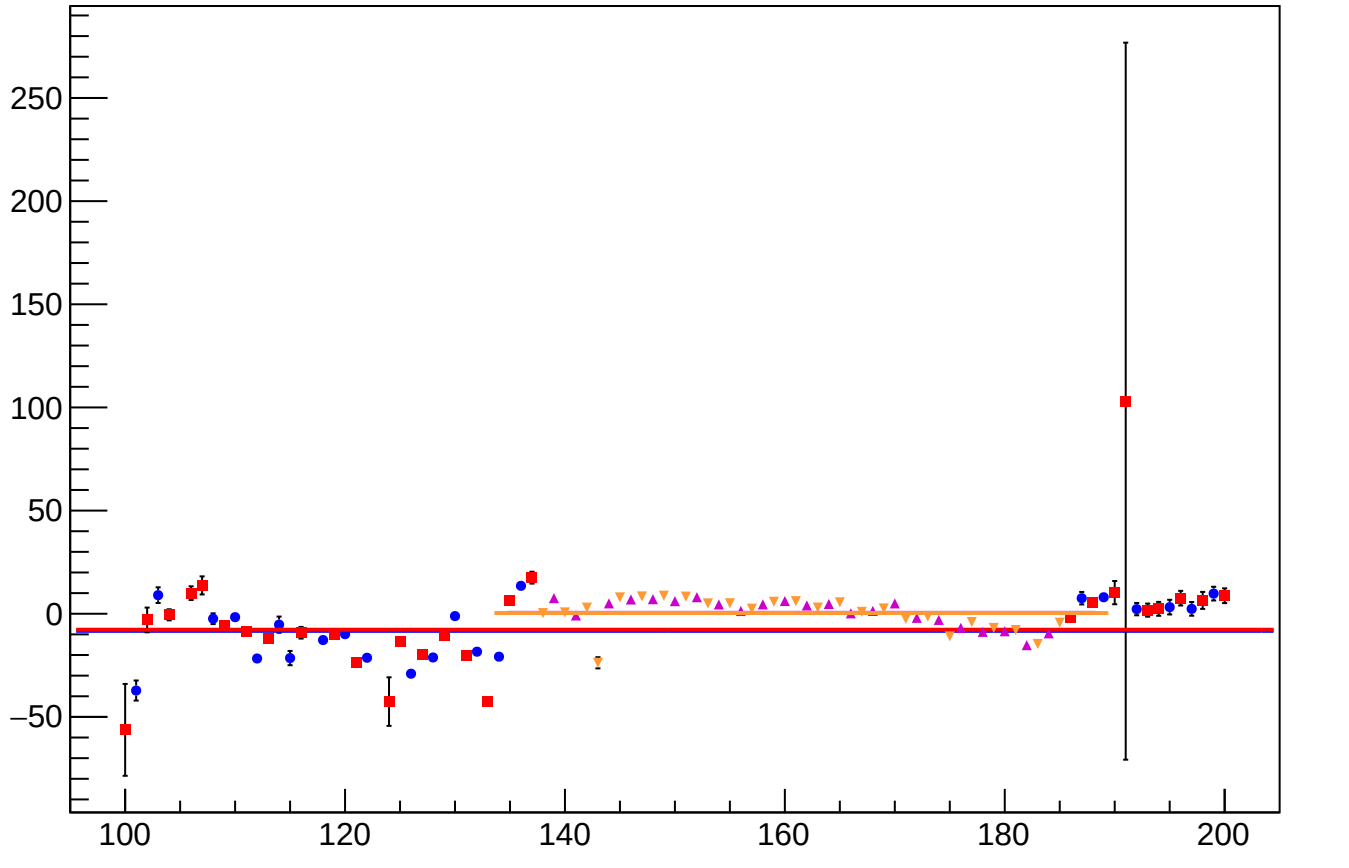
Right Out: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.333+/-0.218 χ^2/NDF: 17645.8/46

All: -30.945+/-0.149 χ^2/NDF: 38822.3/97

\- sign -33.233+/-0.204 χ^2/NDF: 20907.6/50



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

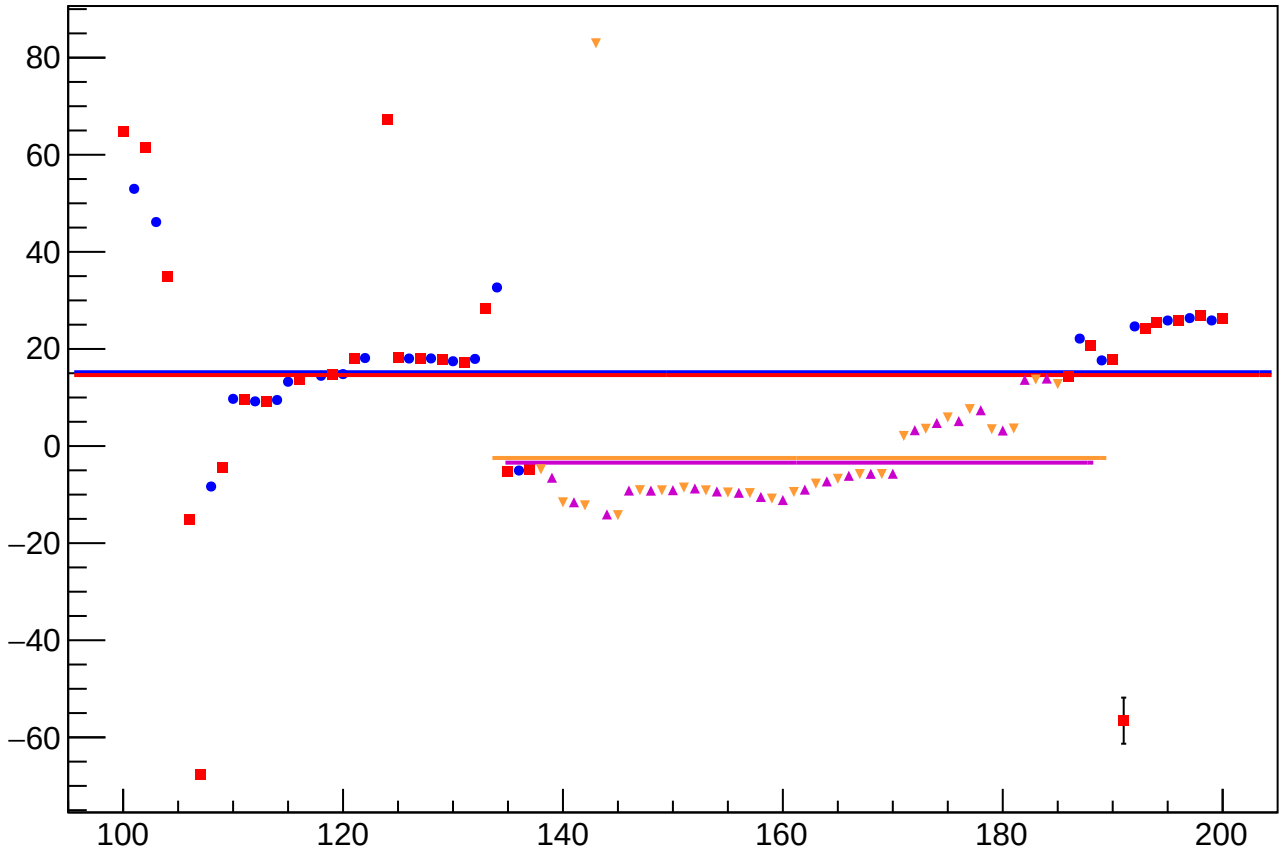
Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.351+/-0.207 χ^2/NDF: 2022.7/46

All: -1.362+/-0.147 χ^2/NDF: 3954.9/97

- sign -1.373+/-0.209 χ^2/NDF: 1932.2/50



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

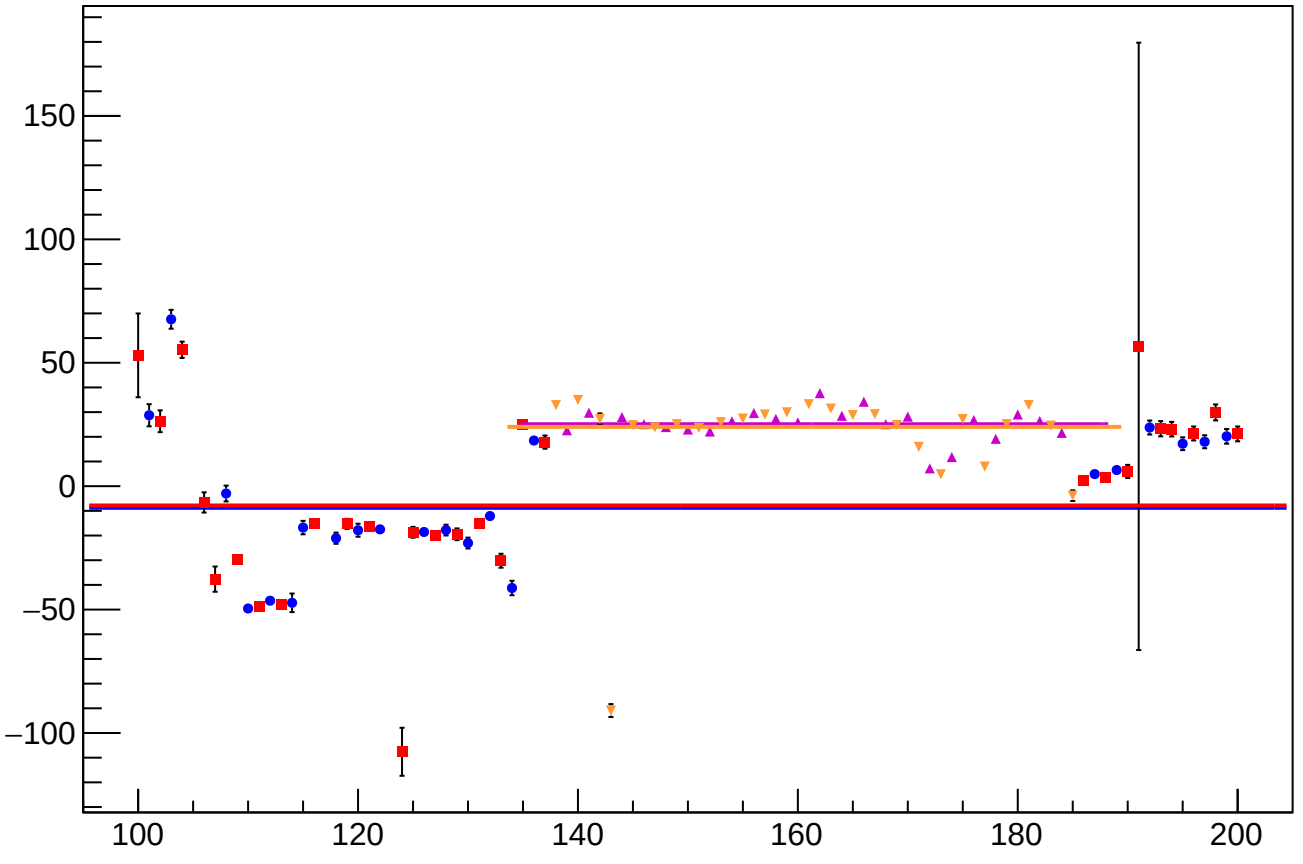
Right Out: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.156+/-0.010 χ^2/NDF: 1801279.9/46

All: -0.195+/-0.007 χ^2/NDF: 3359148.6/97

- sign -0.546+/-0.010 χ^2/NDF: 1555171.1/50



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.820+/-0.416 χ^2/NDF: 3236.0/27

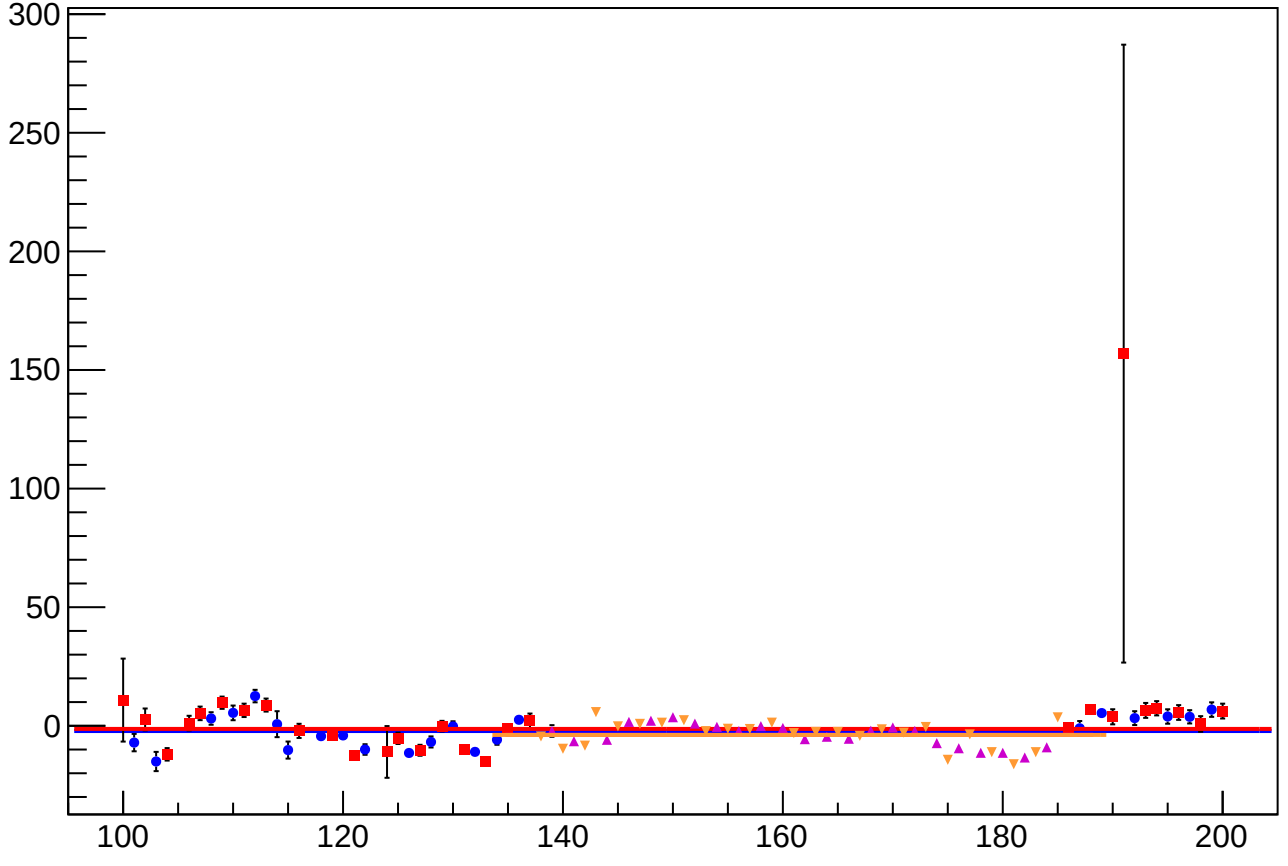
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.350+/-0.242 χ^2/NDF: 9200.0/46

All: 14.894+/-0.169 χ^2/NDF: 17179.0/97

- sign 14.459+/-0.236 χ^2/NDF: 7972.0/50

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

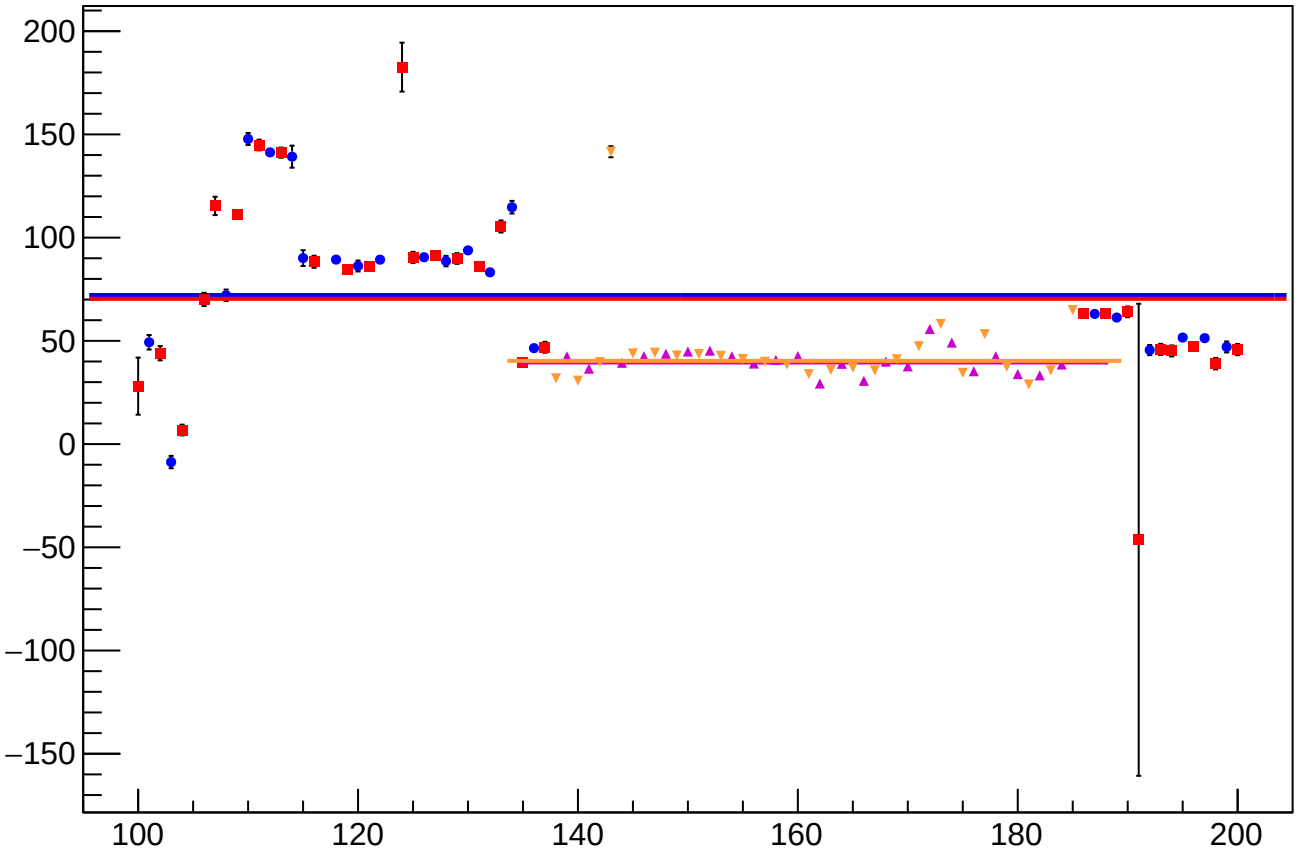
Right Out: -1.308+/-0.465 χ^2/NDF: 241.0/27

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.580+/-0.199 χ^2/NDF: 823.5/46

All: -3.449+/-0.142 χ^2/NDF: 1598.1/97

- sign -3.316+/-0.202 χ^2/NDF: 773.7/50



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

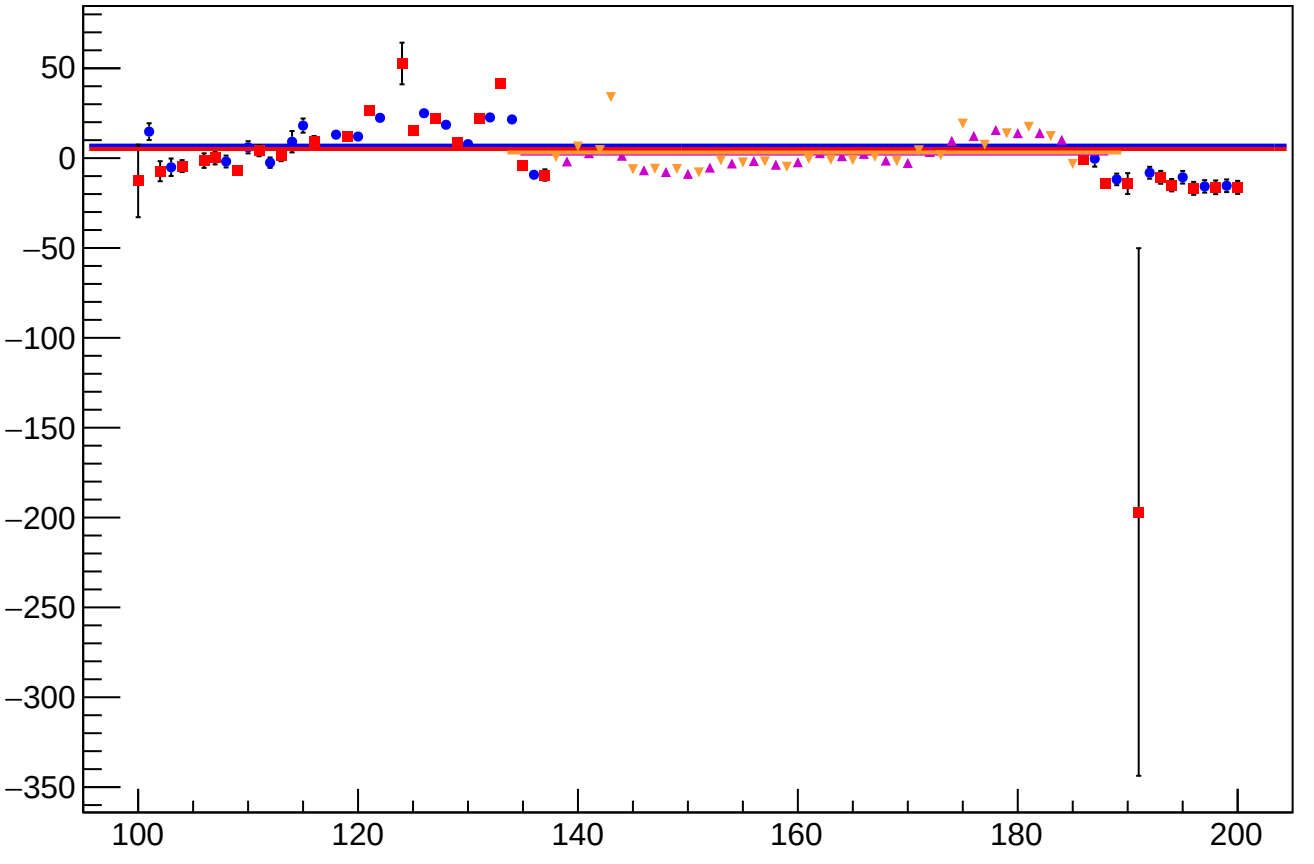
Right Out: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.253+/-0.243 χ^2/NDF: 9322.5/46

All: 48.867+/-0.169 χ^2/NDF: 17850.5/97

\- sign 49.439+/-0.234 χ^2/NDF: 8515.7/50



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

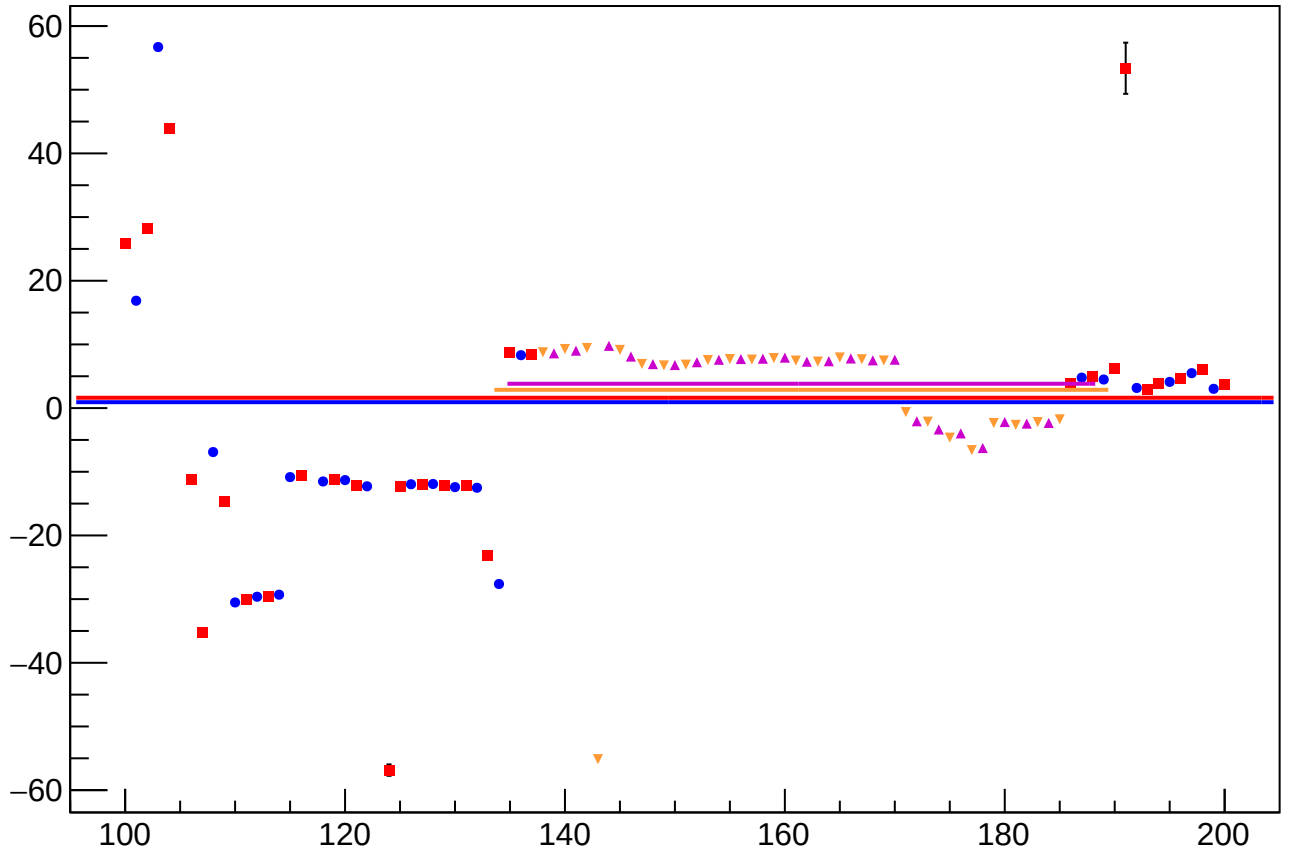
Right Out: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.731+/-0.226 χ^2/NDF: 1859.6/46

All: 3.347+/-0.161 χ^2/NDF: 3644.9/97

- sign 2.953+/-0.229 χ^2/NDF: 1779.4/50



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.625+/-0.028 χ^2/NDF: 325225.6/27

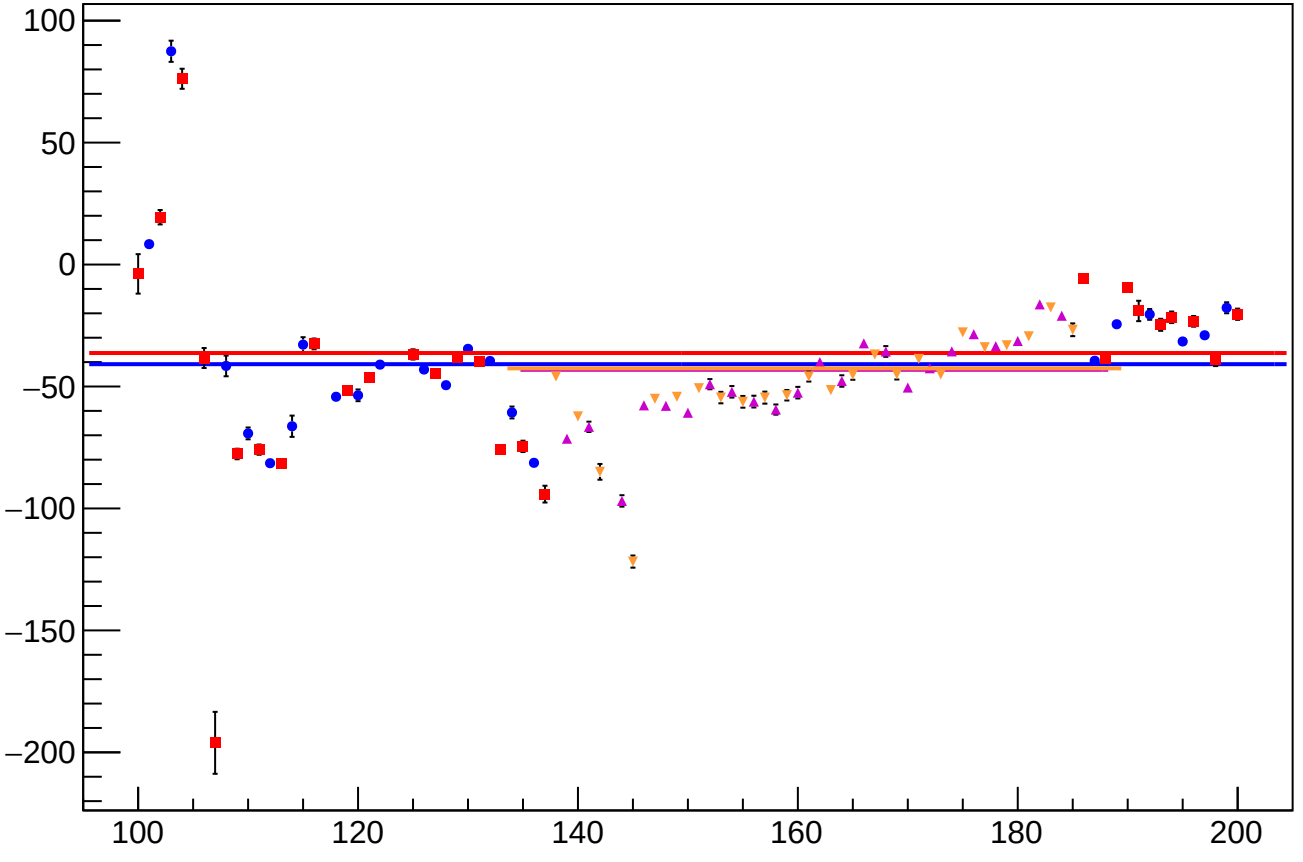
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.624+/-0.010 χ^2/NDF: 890769.1/46

All: 3.070+/-0.007 χ^2/NDF: 1458459.9/97

- sign 3.520+/-0.010 χ^2/NDF: 563891.7/50

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -40.849+/-0.429 χ^2/NDF: 3301.1/21

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.273+/-0.368 χ^2/NDF: 5135.1/26

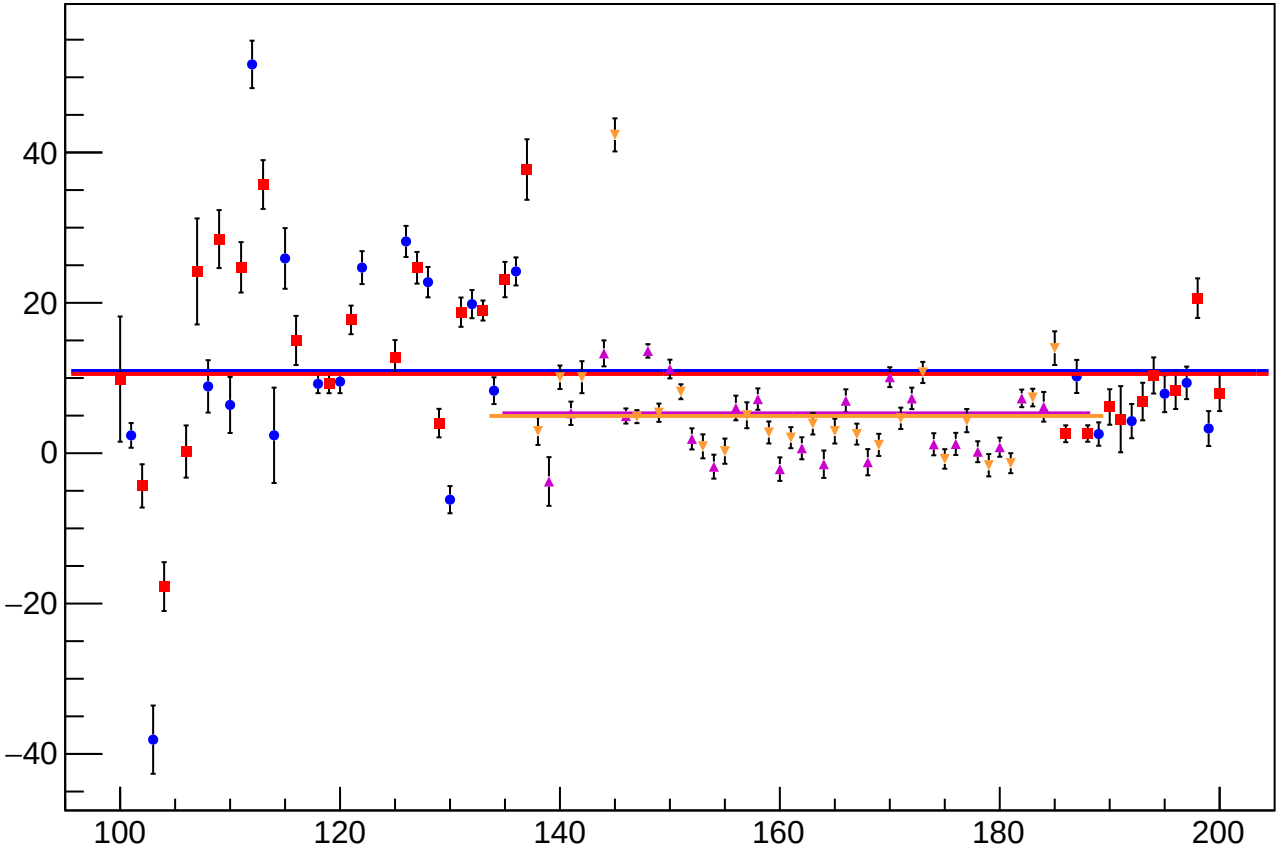
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -41.812+/-0.284 χ^2/NDF: 5636.5/45

All: -40.622+/-0.194 χ^2/NDF: 13179.7/95

\- sign -39.586+/-0.265 χ^2/NDF: 7510.3/49

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.933+/-0.443 χ^2/NDF: 689.9/21

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.544+/-0.406 χ^2/NDF: 548.8/26

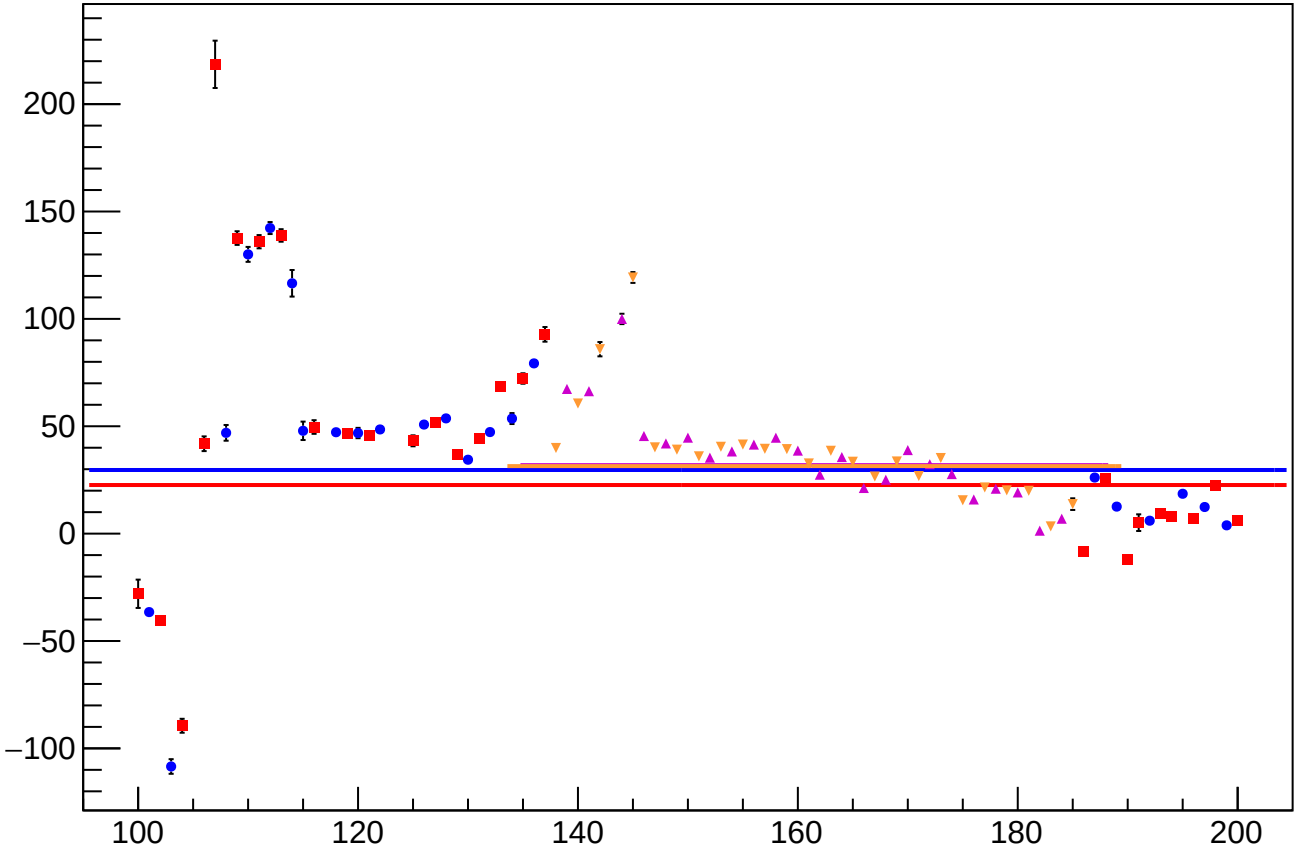
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.735+/-0.242 χ^2/NDF: 1266.9/45

All: 6.919+/-0.170 χ^2/NDF: 2212.8/95

- sign 7.098+/-0.238 χ^2/NDF: 944.7/49

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 29.633+/-0.421 χ^2/NDF: 8327.8/21

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 22.633+/-0.342 χ^2/NDF: 11161.7/26

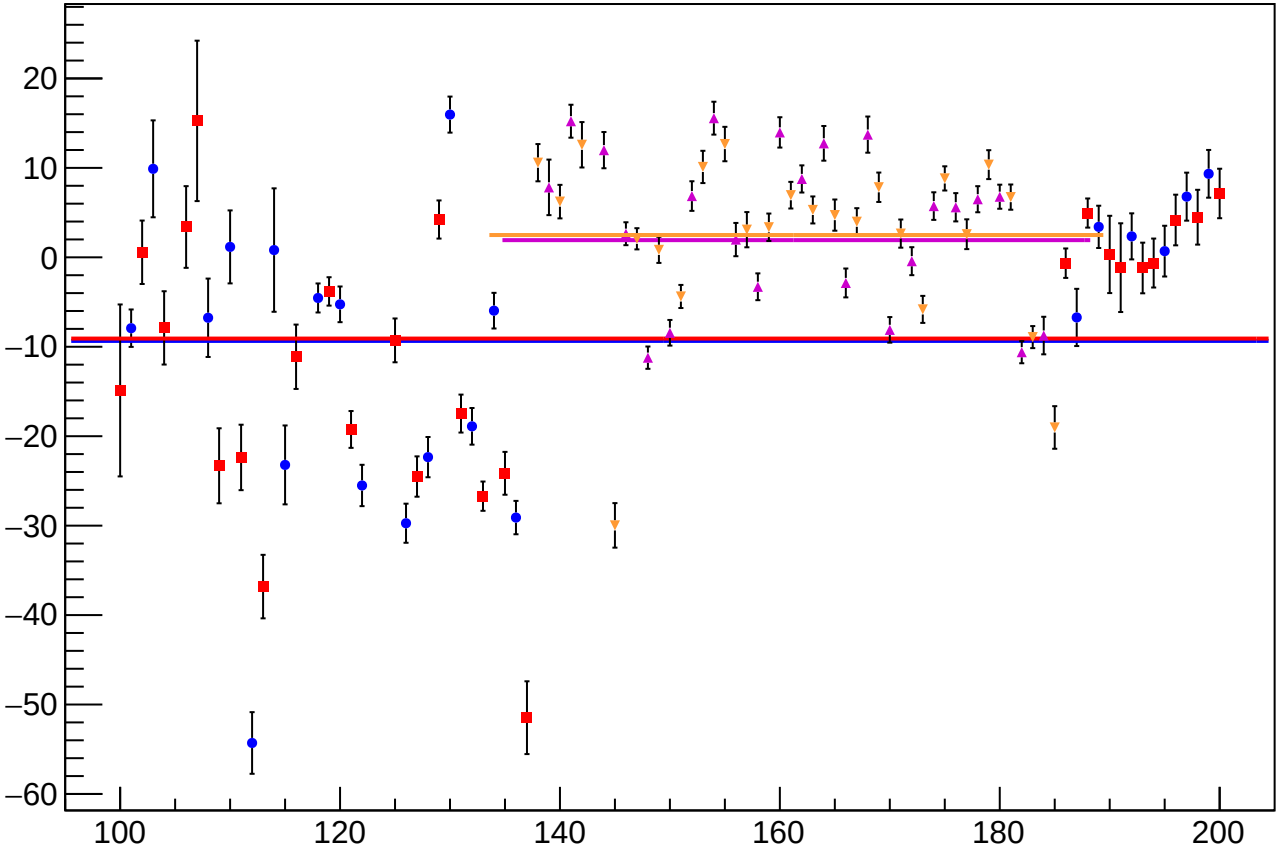
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 30.638+/-0.280 χ^2/NDF: 11100.1/45

All: 28.534+/-0.188 χ^2/NDF: 25461.4/95

\- sign 26.807+/-0.254 χ^2/NDF: 14258.6/49

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -9.345+/-0.526 χ^2/NDF: 826.9/21

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -9.084+/-0.500 χ^2/NDF: 710.5/26

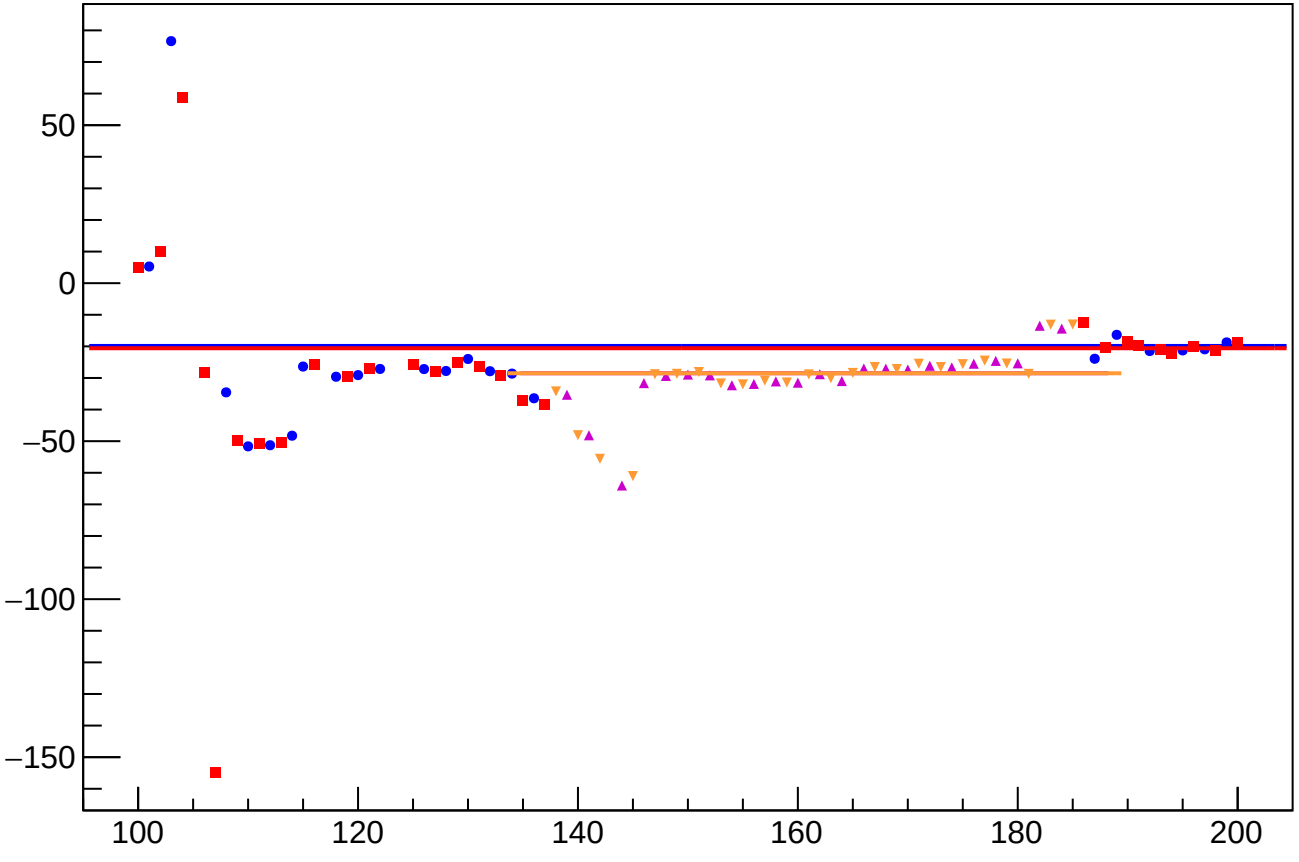
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.801+/-0.278 χ^2/NDF: 1751.0/45

All: -1.126+/-0.196 χ^2/NDF: 3479.6/95

\- sign -1.449+/-0.277 χ^2/NDF: 1725.8/49

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.868+/-0.026 χ^2/NDF: 649685.6/21

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.592+/-0.024 χ^2/NDF: 553745.2/26

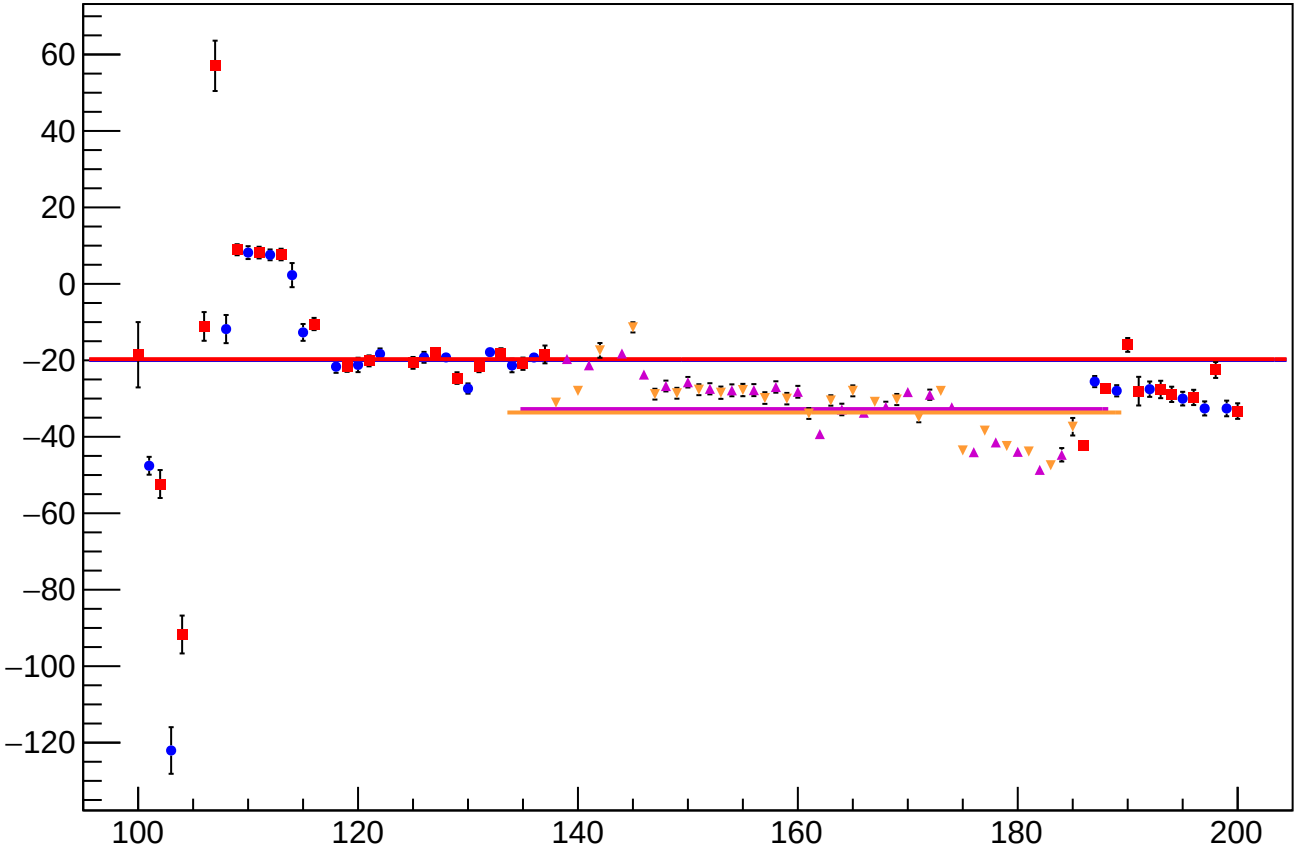
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -26.412+/-0.013 χ^2/NDF: 1066767.1/45

All: -26.385+/-0.009 χ^2/NDF: 1985289.9/95

\- sign -26.358+/-0.013 χ^2/NDF: 918513.8/49

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -19.915+/-0.350 χ^2/NDF: 1359.1/21

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.697+/-0.323 χ^2/NDF: 2056.5/26

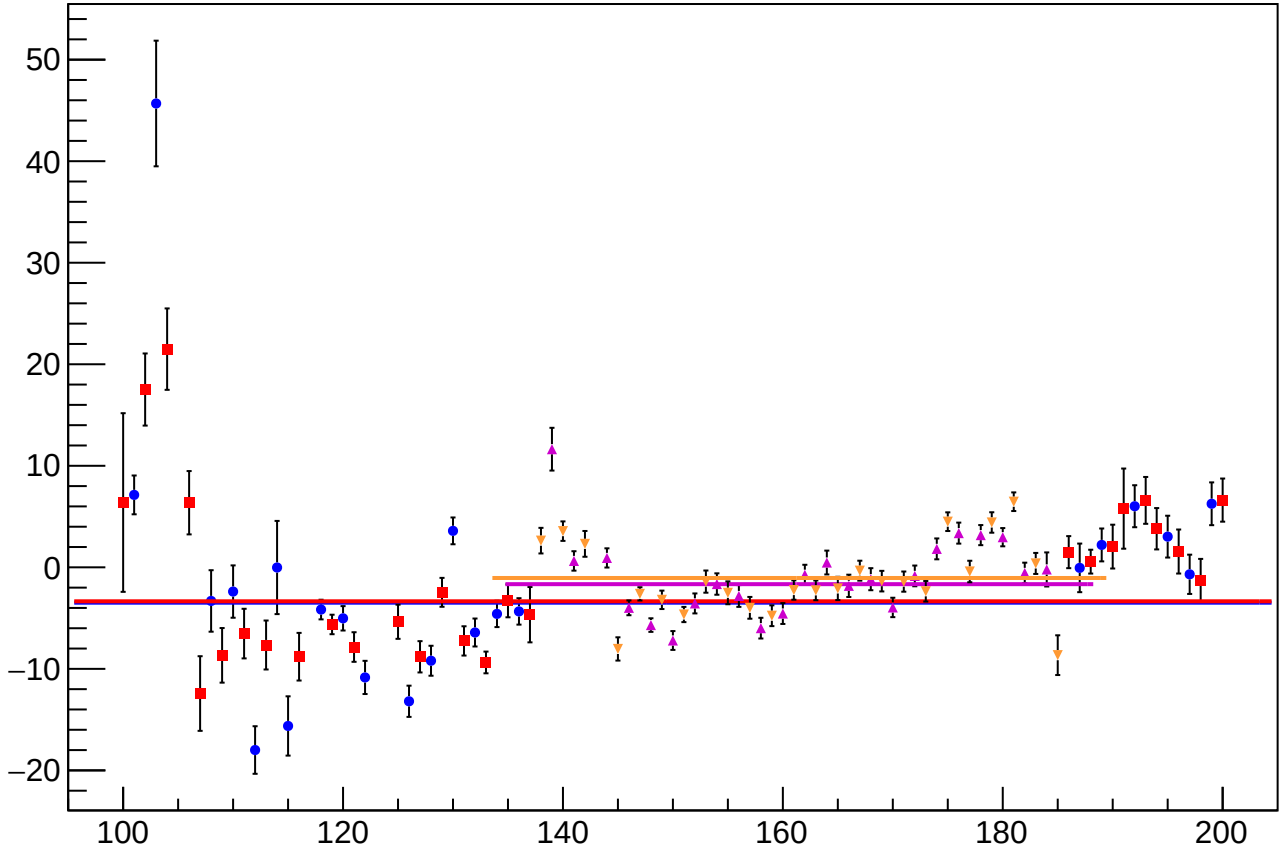
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.640+/-0.211 χ^2/NDF: 3352.0/45

All: -28.013+/-0.148 χ^2/NDF: 7534.9/95

- sign -27.414+/-0.206 χ^2/NDF: 4165.7/49

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.481+/-0.360 χ^2/NDF: 331.1/21

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.346+/-0.350 χ^2/NDF: 264.0/26

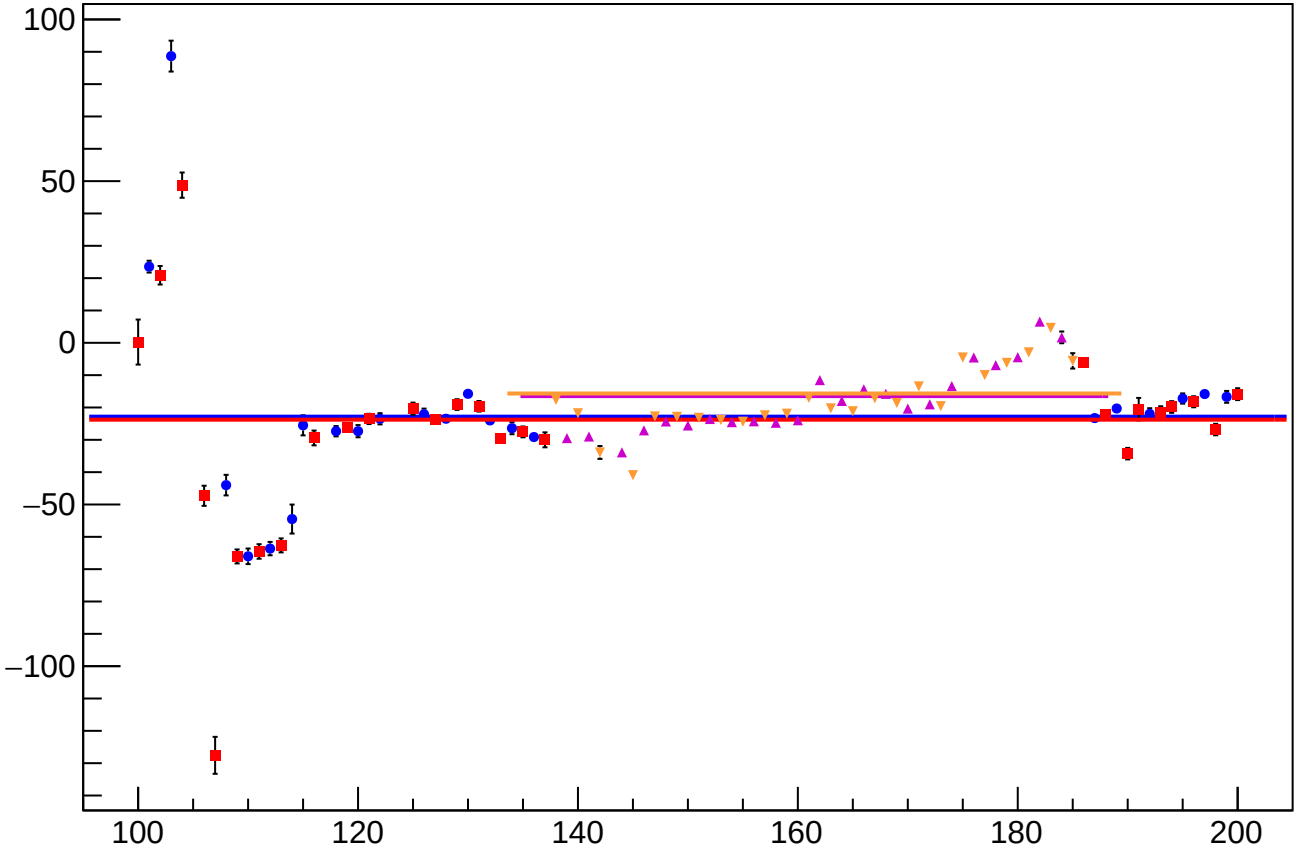
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.637+/-0.177 χ^2/NDF: 655.2/45

All: -1.865+/-0.125 χ^2/NDF: 1204.2/95

- sign -2.096+/-0.178 χ^2/NDF: 545.7/49

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -22.835+/-0.362 χ^2/NDF: 2117.5/21

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.769+/-0.324 χ^2/NDF: 2465.4/26

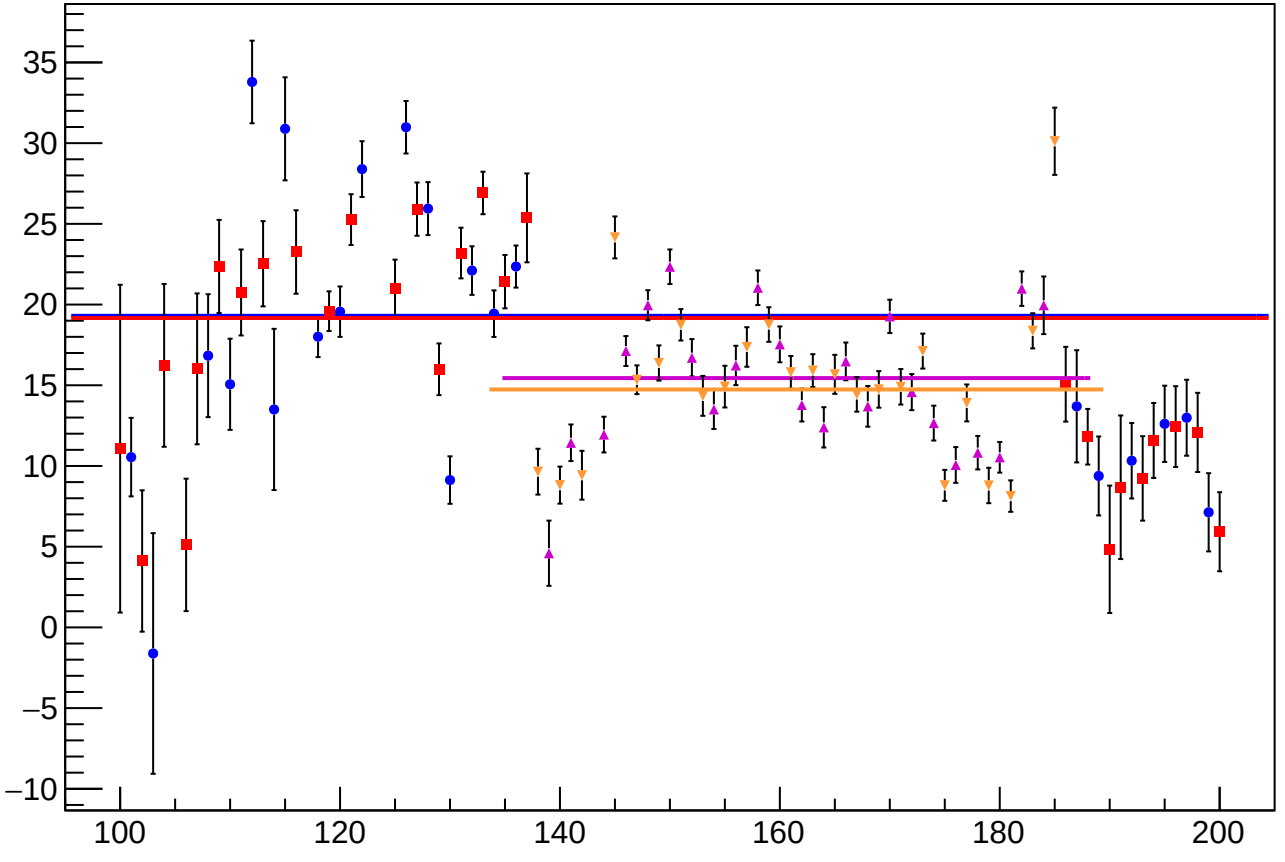
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.146+/-0.213 χ^2/NDF: 3894.1/45

All: -18.804+/-0.148 χ^2/NDF: 8378.3/95

- sign -19.417+/-0.205 χ^2/NDF: 4465.8/49

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.302+/-0.418 χ^2/NDF: 297.9/21

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.169+/-0.414 χ^2/NDF: 225.6/26

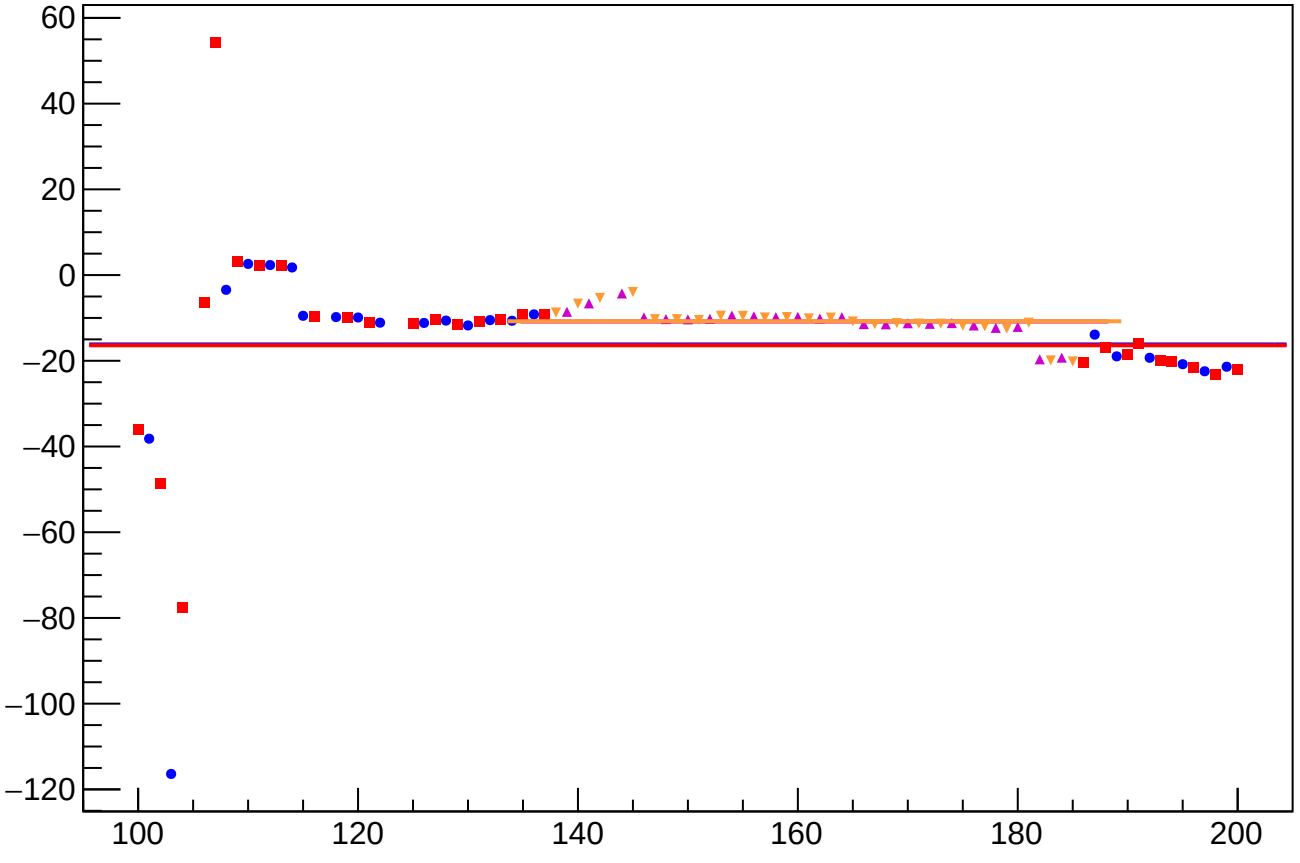
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

\+ sign 15.797+/-0.201 χ^2/NDF: 720.5/45

All: 16.066+/-0.143 χ^2/NDF: 1301.5/95

\- sign 16.340+/-0.203 χ^2/NDF: 577.4/49

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -16.187+/-0.022 χ^2/NDF: 376016.8/21

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -16.384+/-0.021 χ^2/NDF: 363929.6/26

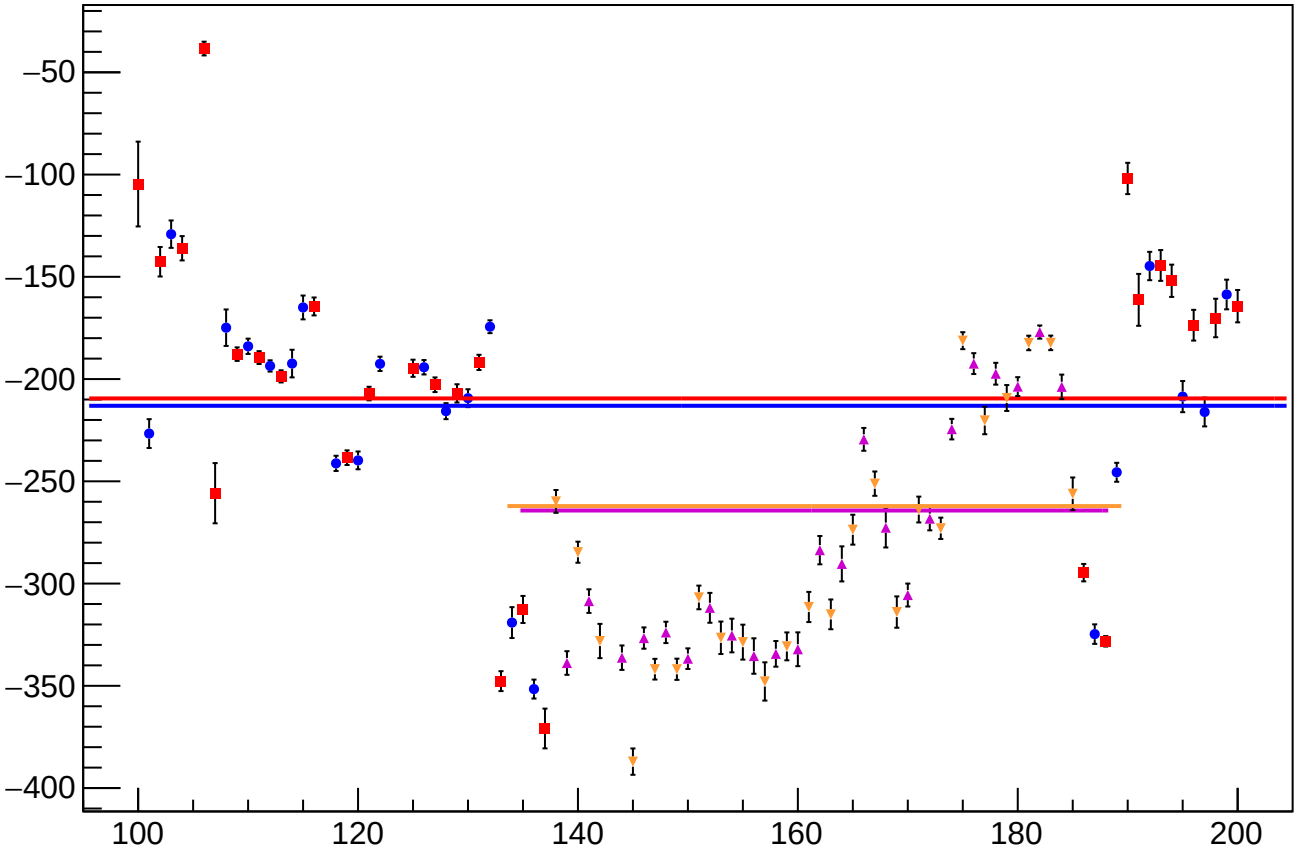
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.772+/-0.009 χ^2/NDF: 511605.8/45

All: -11.848+/-0.007 χ^2/NDF: 1006640.6/95

- sign -11.924+/-0.009 χ^2/NDF: 494900.9/49

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -213.067+/-0.977 χ^2/NDF: 2519.0/21

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.469+/-0.873 χ^2/NDF: 7466.0/26

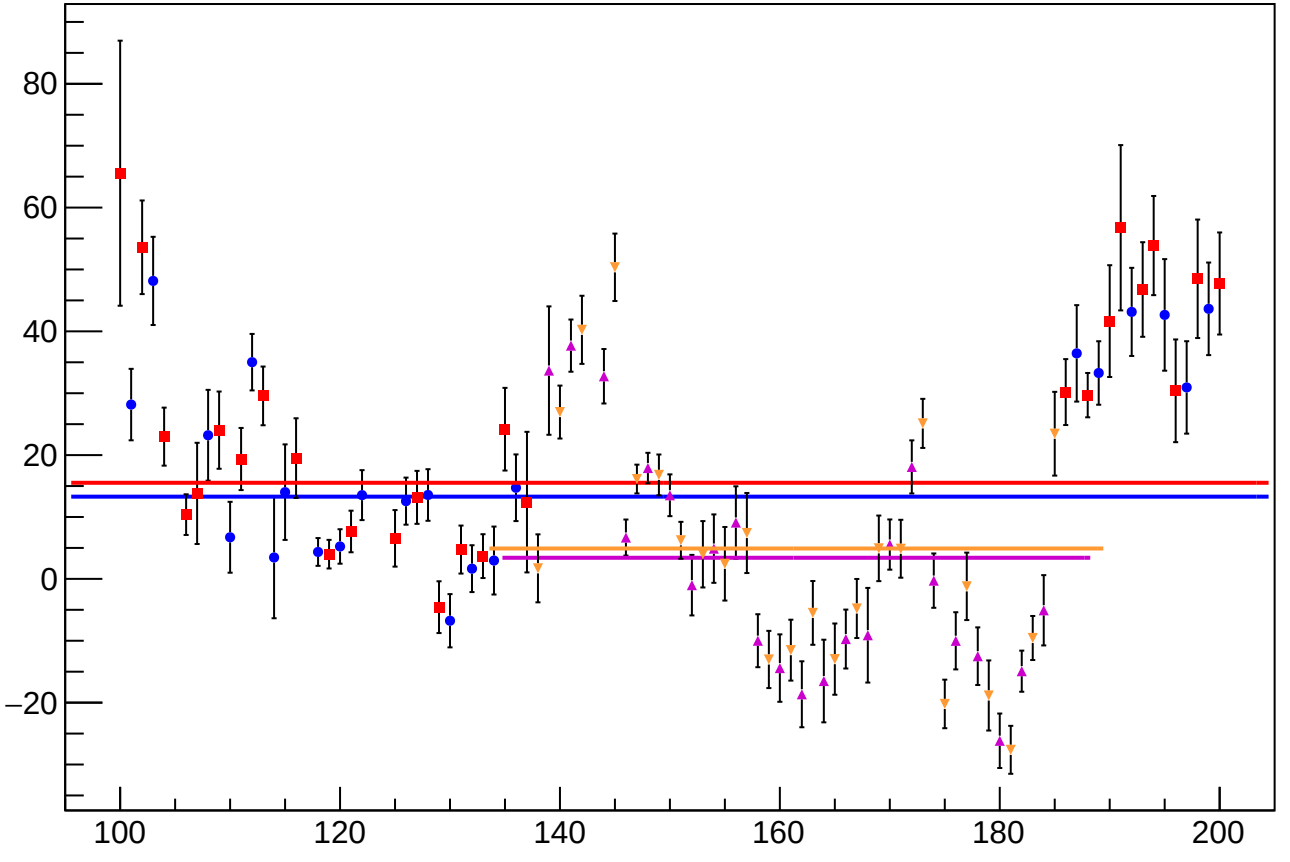
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -233.035+/-0.753 χ^2/NDF: 6508.8/45

All: -230.737+/-0.514 χ^2/NDF: 18119.7/95

- sign -228.732+/-0.703 χ^2/NDF: 11593.5/49

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.287+/-0.998 χ^2/NDF: 190.7/21

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.527+/-0.944 χ^2/NDF: 236.7/26

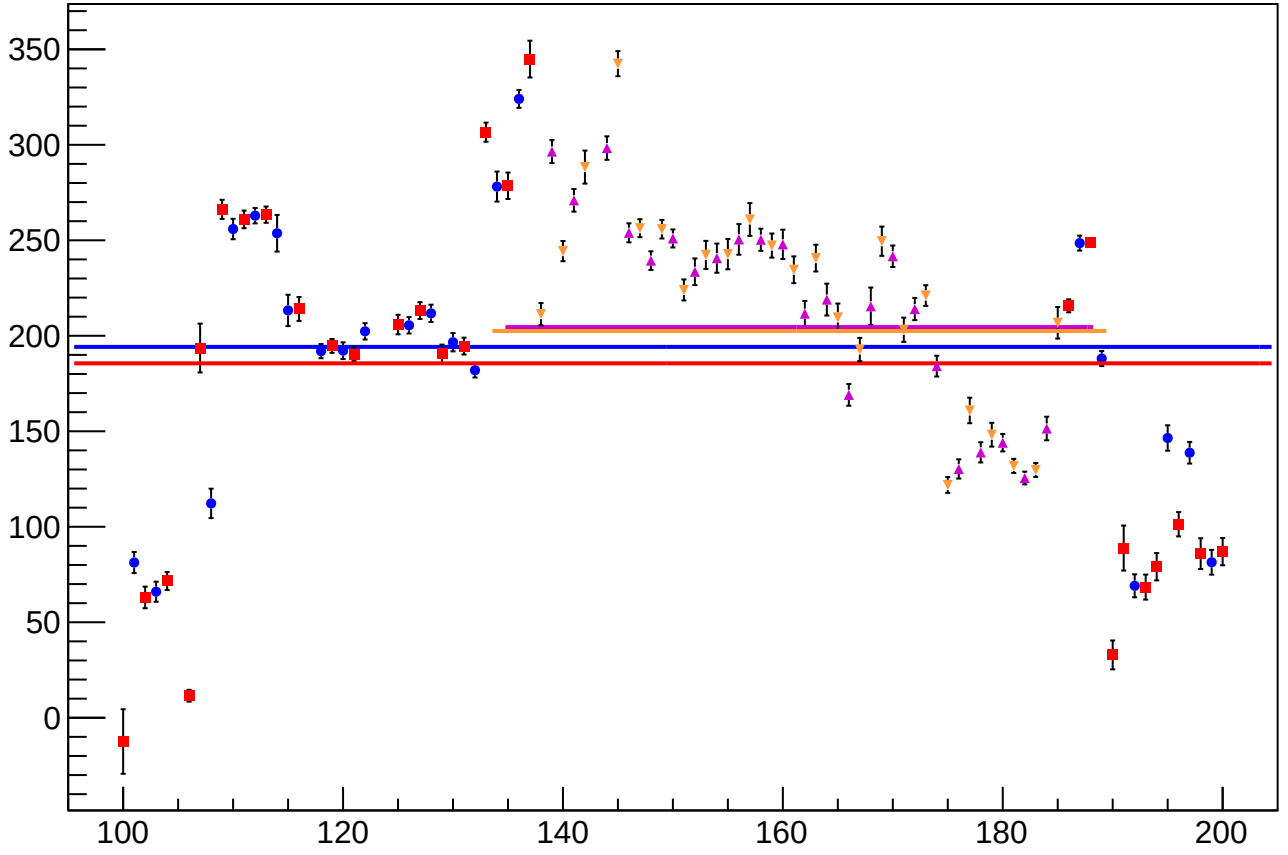
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.601+/-0.663 χ^2/NDF: 629.0/45

All: 8.898+/-0.465 χ^2/NDF: 1285.7/95

- sign 9.184+/-0.652 χ^2/NDF: 656.3/49

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 194.191+/-1.054 χ^2/NDF: 3588.2/21

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 185.577+/-0.908 χ^2/NDF: 8918.7/26

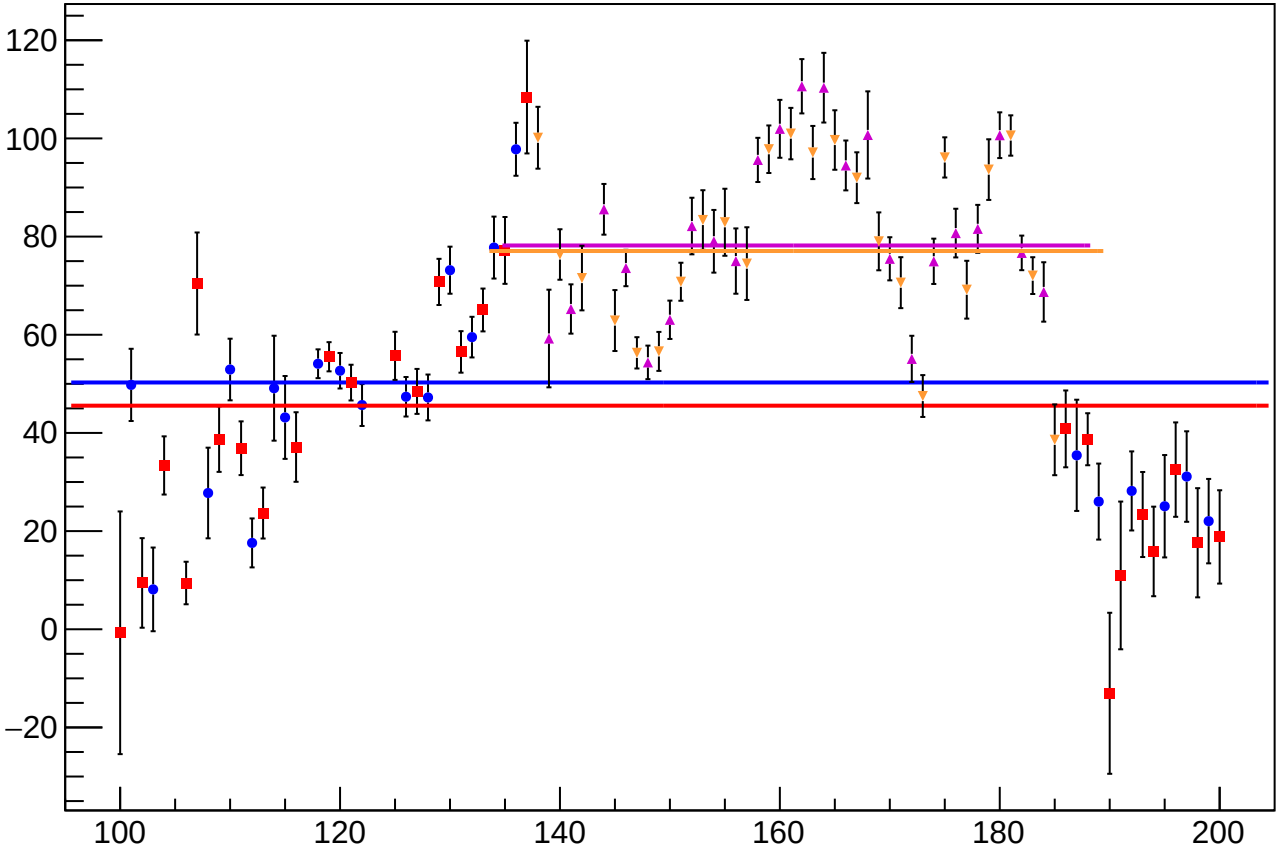
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 197.910+/-0.784 χ^2/NDF: 6009.5/45

All: 195.055+/-0.530 χ^2/NDF: 17401.3/95

- sign 192.655+/-0.719 χ^2/NDF: 11367.4/49

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 50.278+/-1.176 χ^2/NDF: 242.8/21

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.553+/-1.123 χ^2/NDF: 299.2/26

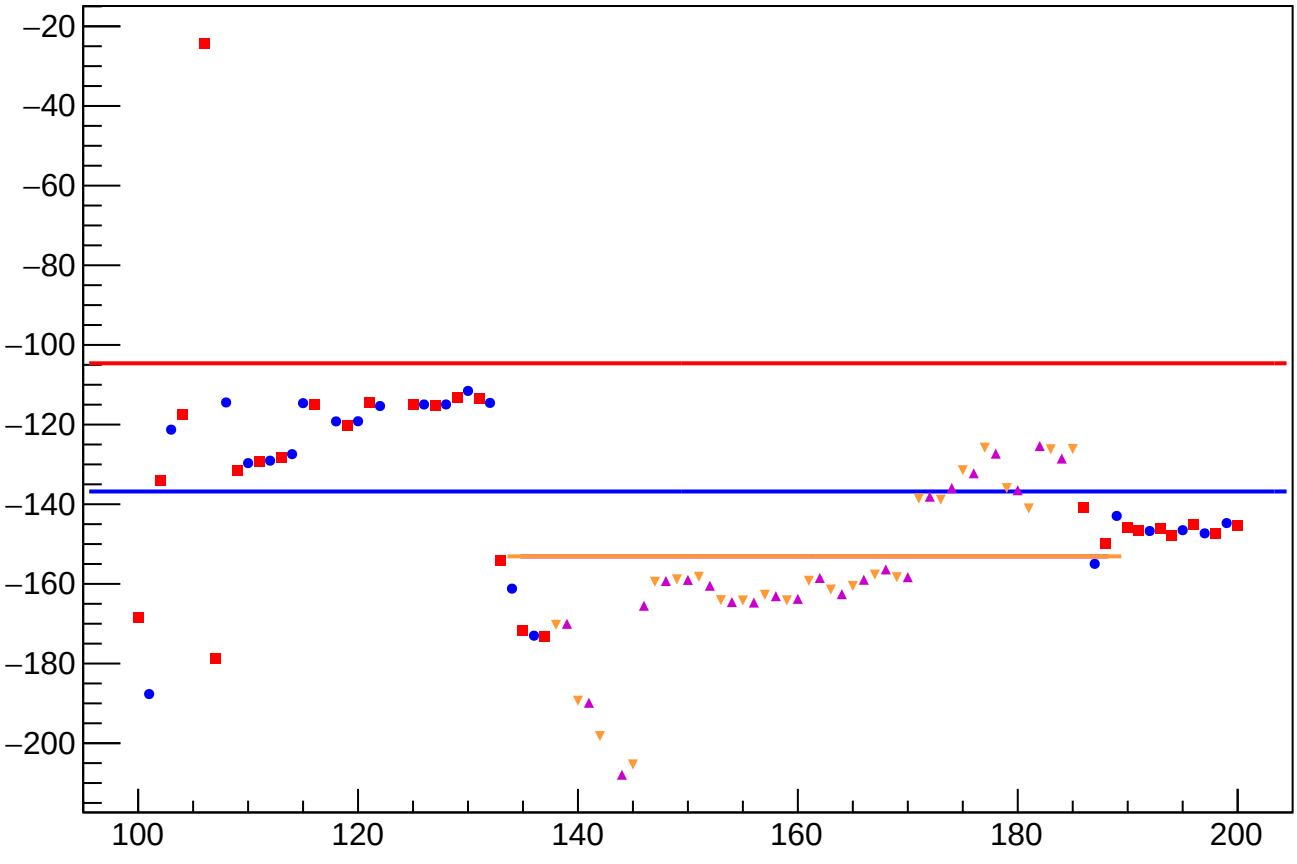
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.624+/-0.768 χ^2/NDF: 851.3/45

All: 64.466+/-0.539 χ^2/NDF: 1848.2/95

- sign 63.341+/-0.757 χ^2/NDF: 992.4/49

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -136.797+/-0.068 χ^2/NDF: 101706.9/21

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -104.610+/-0.055 χ^2/NDF: 947078.8/26

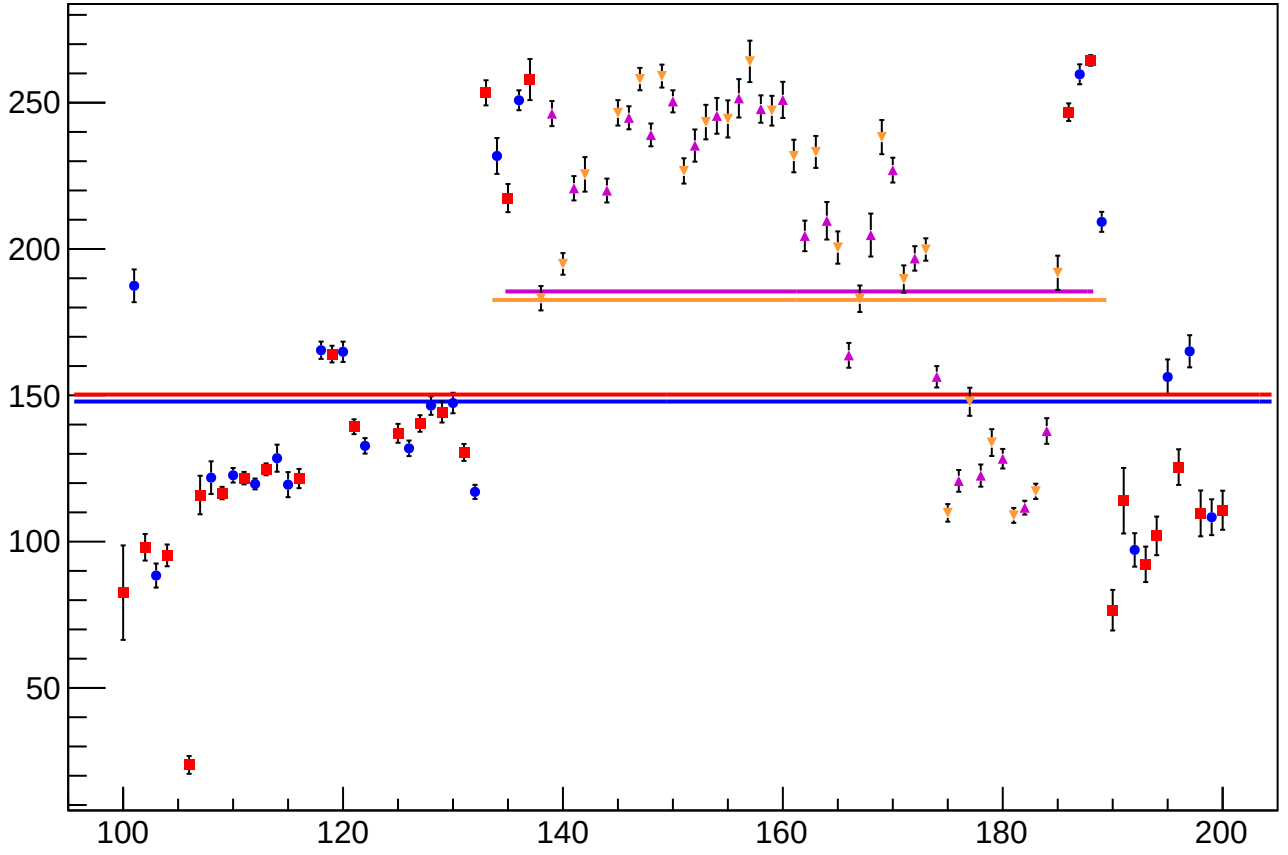
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.849+/-0.039 χ^2/NDF: 318050.9/45

All: -139.663+/-0.026 χ^2/NDF: 1968497.5/95

- sign -132.746+/-0.036 χ^2/NDF: 1567648.3/49

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 147.873+/-0.723 χ^2/NDF: 3603.7/21

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.263+/-0.643 χ^2/NDF: 9291.6/26

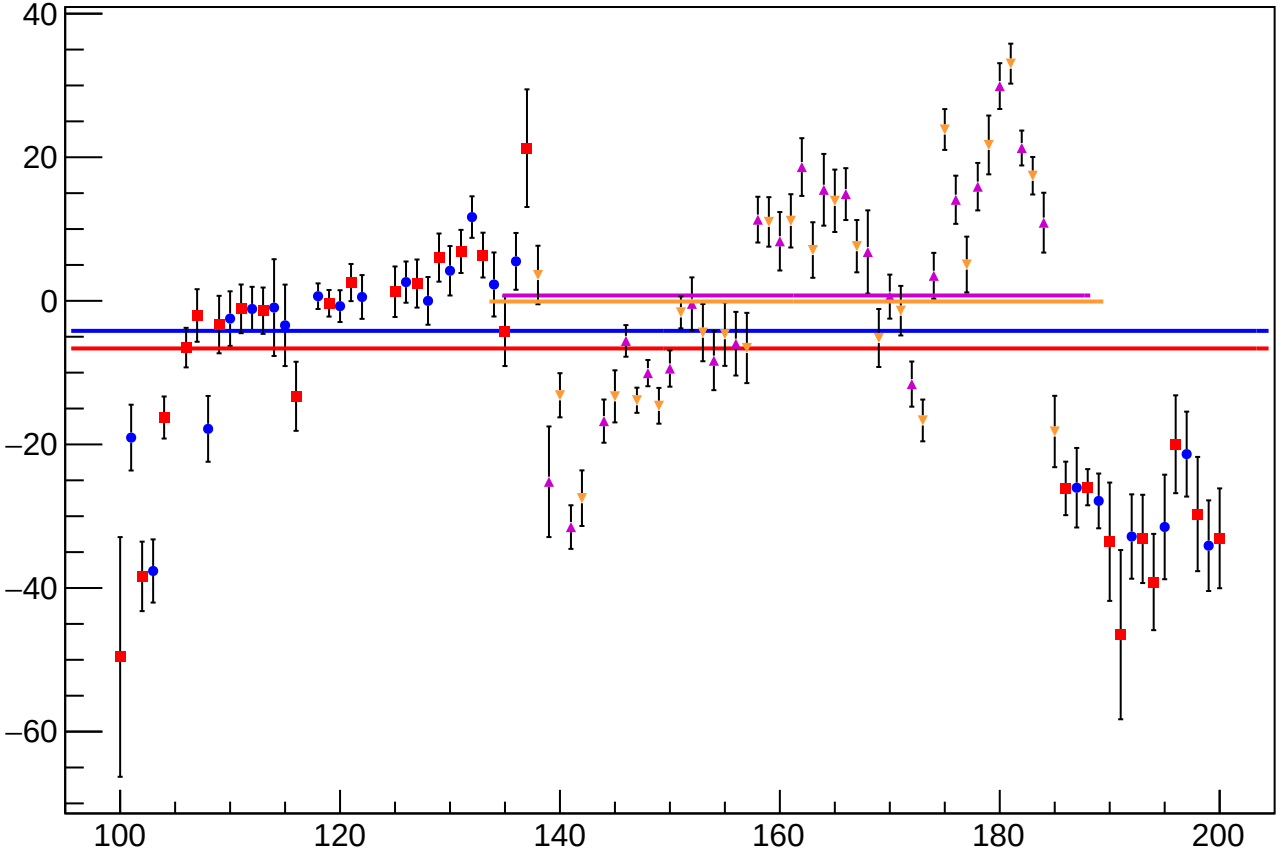
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.128+/-0.555 χ^2/NDF: 8703.5/45

All: 162.421+/-0.379 χ^2/NDF: 22874.3/95

- sign 162.677+/-0.518 χ^2/NDF: 14170.2/49

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.181+/-0.760 χ^2/NDF: 264.8/21

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.631+/-0.709 χ^2/NDF: 347.3/26

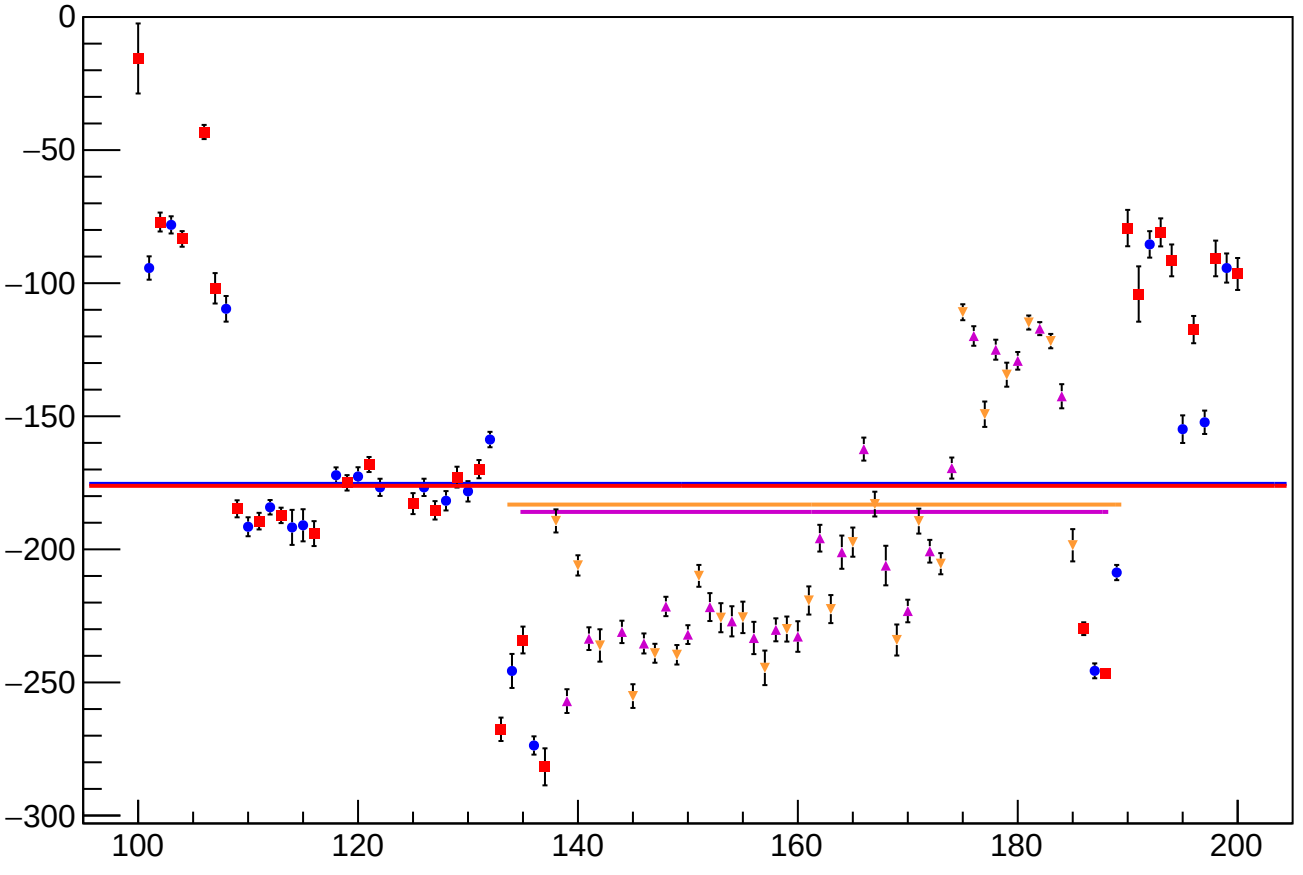
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.835+/-0.496 χ^2/NDF: 836.7/45

All: -2.280+/-0.347 χ^2/NDF: 1740.9/95

- sign -2.705+/-0.485 χ^2/NDF: 902.7/49

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -175.402+/-0.784 χ^2/NDF: 3817.3/21

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -176.130+/-0.671 χ^2/NDF: 9537.9/26

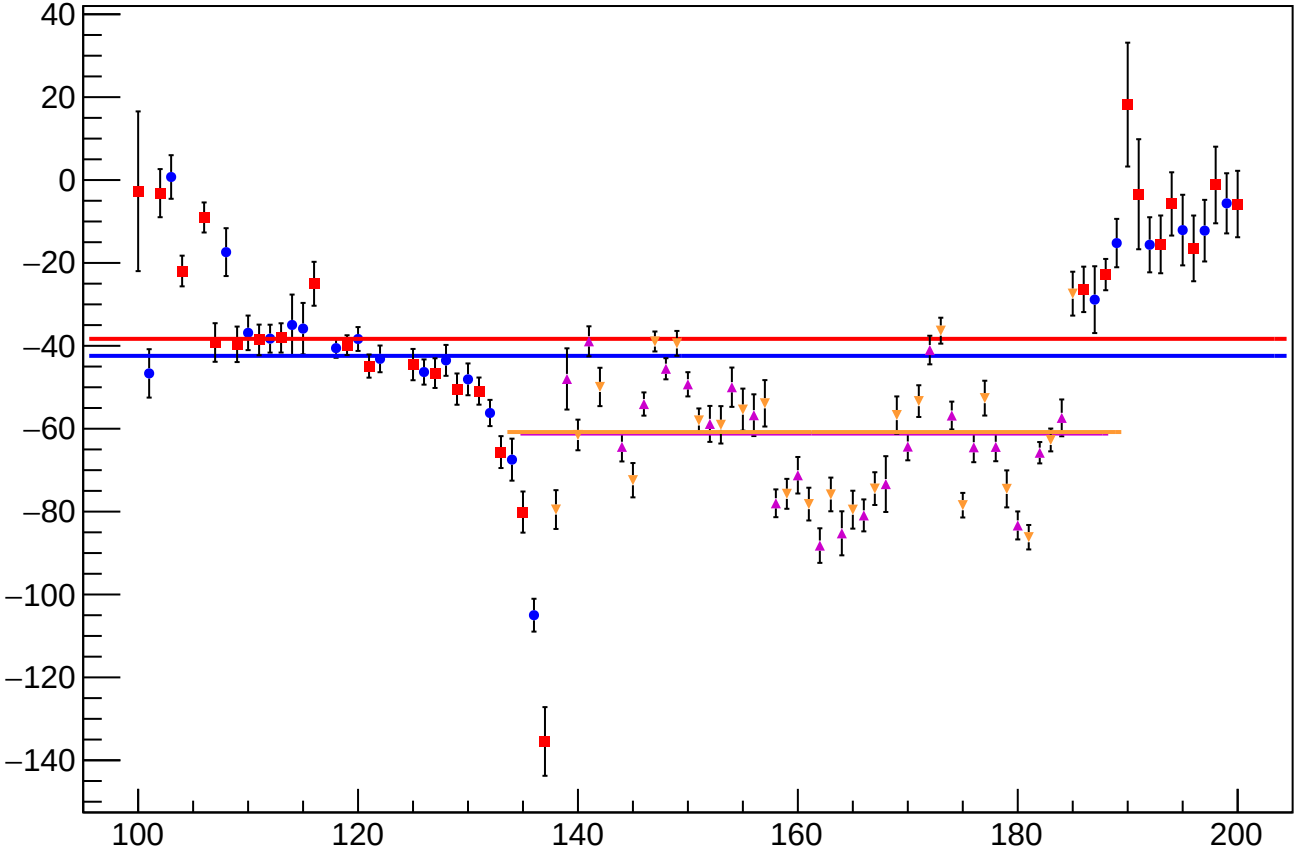
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -178.917+/-0.580 χ^2/NDF: 7223.0/45

All: -179.399+/-0.391 χ^2/NDF: 20023.7/95

- sign -179.802+/-0.531 χ^2/NDF: 12799.5/49

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -42.422+/-0.892 χ^2/NDF: 487.3/21

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -38.317+/-0.844 χ^2/NDF: 541.1/26

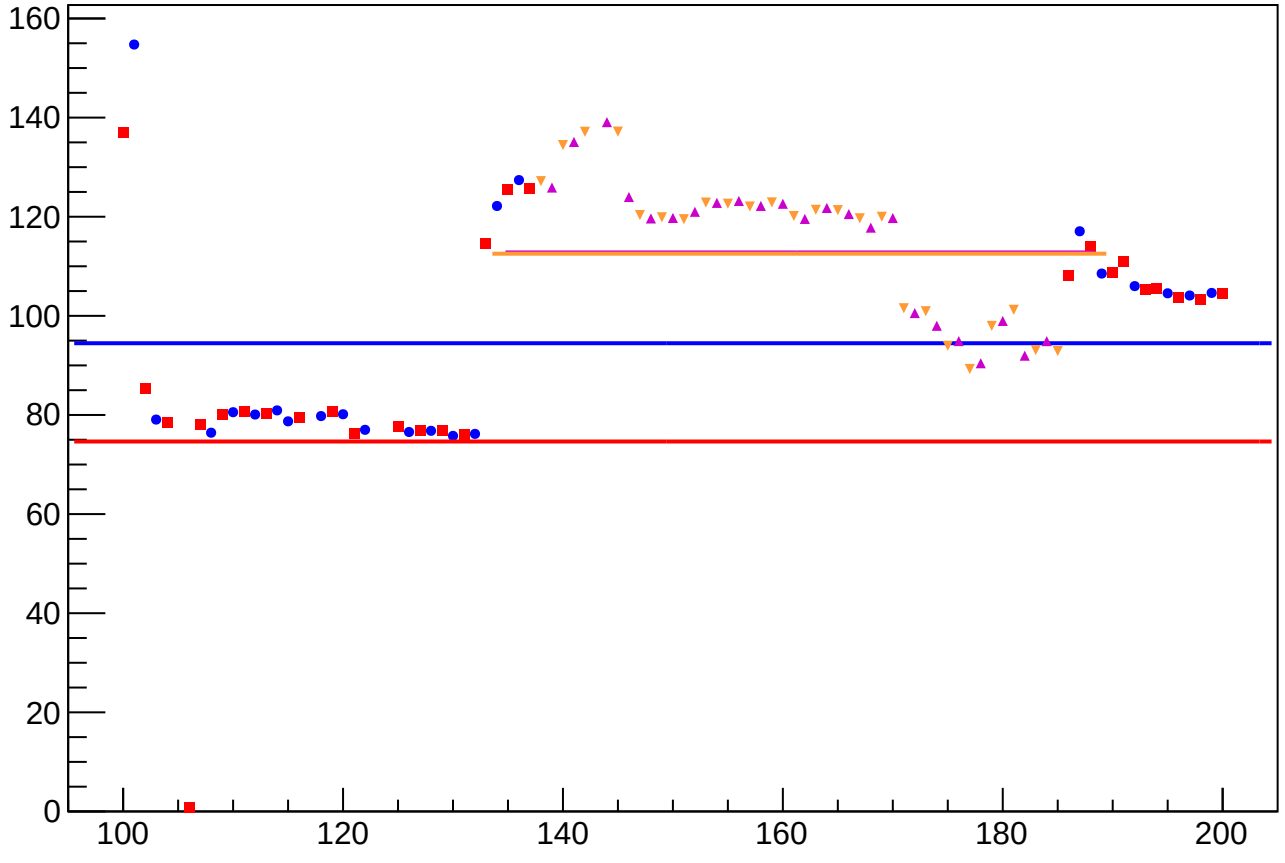
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.206+/-0.574 χ^2/NDF: 1210.2/45

All: -52.075+/-0.402 χ^2/NDF: 2482.2/95

- sign -50.985+/-0.563 χ^2/NDF: 1264.5/49

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 94.476+/-0.051 χ^2/NDF: 178827.0/21

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 74.645+/-0.043 χ^2/NDF: 850241.2/26

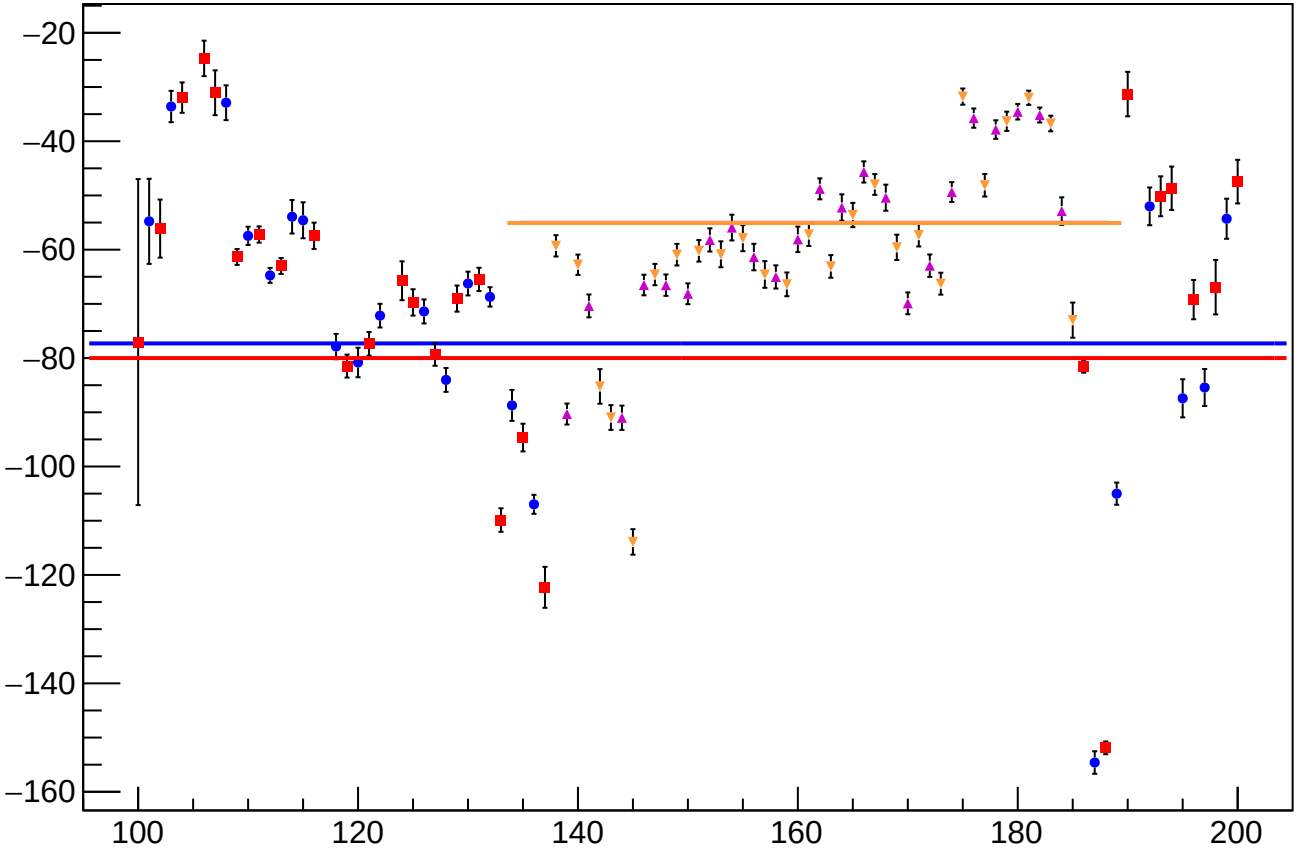
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.826+/-0.029 χ^2/NDF: 439621.1/45

All: 102.028+/-0.020 χ^2/NDF: 1996768.3/95

- sign 97.806+/-0.027 χ^2/NDF: 1504220.5/49

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.292+/-0.500 χ^2/NDF: 2797.4/21

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -79.994+/-0.430 χ^2/NDF: 5867.9/26

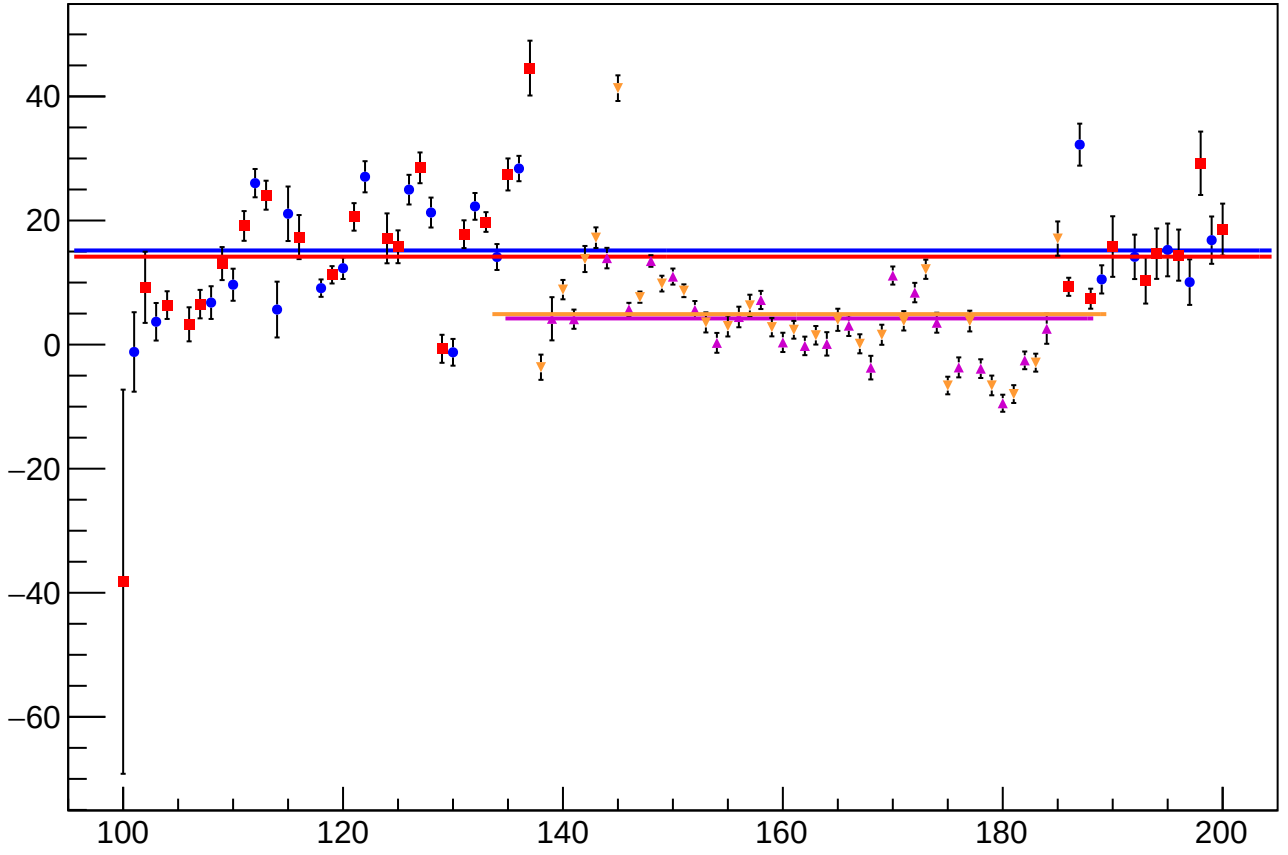
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.771+/-0.312 χ^2/NDF: 6003.9/46

All: -65.439+/-0.215 χ^2/NDF: 15228.9/96

- sign -66.944+/-0.297 χ^2/NDF: 9170.7/49

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-0.533 χ^2/NDF: 274.3/21

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.174+/-0.477 χ^2/NDF: 284.5/26

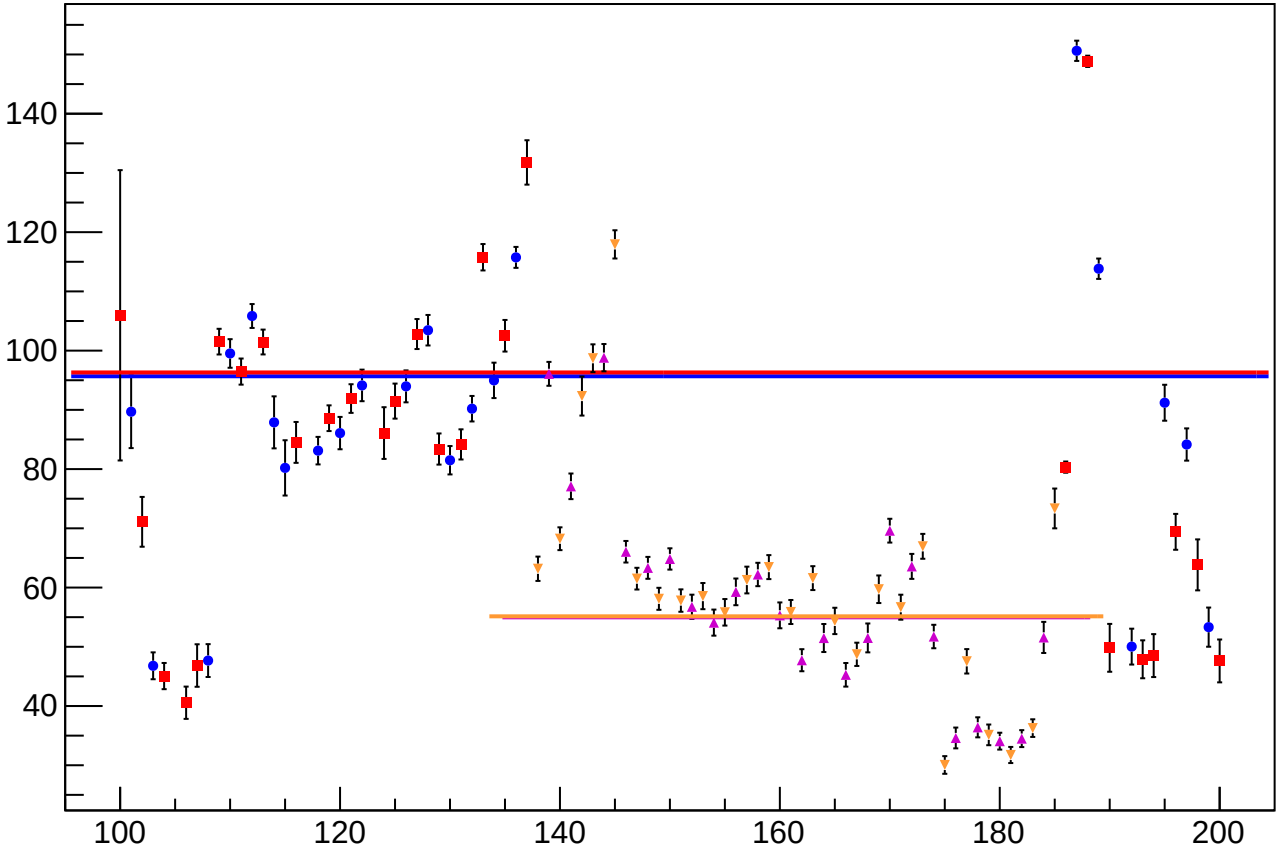
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.397+/-0.262 χ^2/NDF: 1296.9/46

All: 7.300+/-0.185 χ^2/NDF: 2301.7/96

- sign 7.203+/-0.261 χ^2/NDF: 1004.6/49

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 95.673+/-0.530 χ^2/NDF: 2584.1/21

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 96.318+/-0.433 χ^2/NDF: 5657.1/26

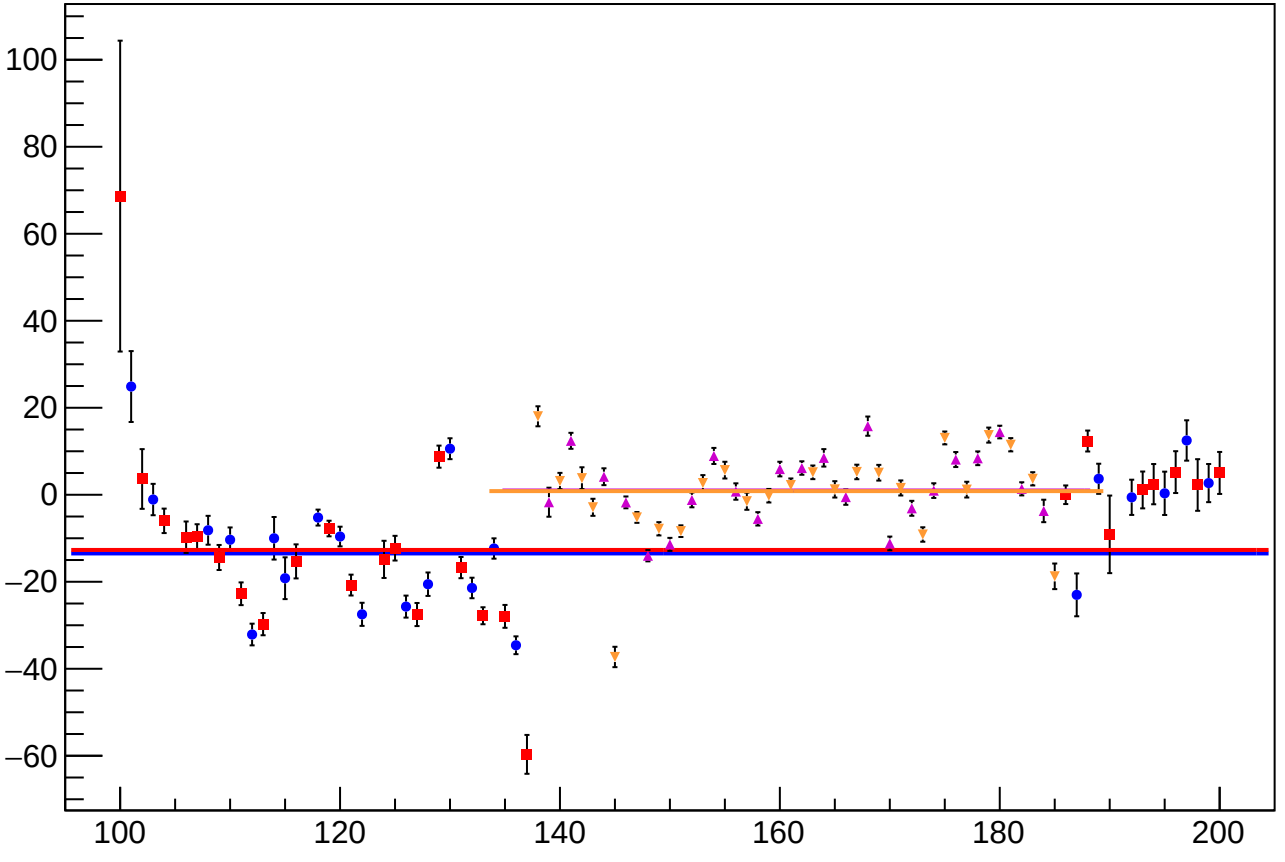
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.707+/-0.318 χ^2/NDF: 8573.8/46

All: 72.156+/-0.217 χ^2/NDF: 20976.1/96

- sign 74.283+/-0.296 χ^2/NDF: 12291.3/49

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.491+/-0.622 χ^2/NDF: 486.4/21

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

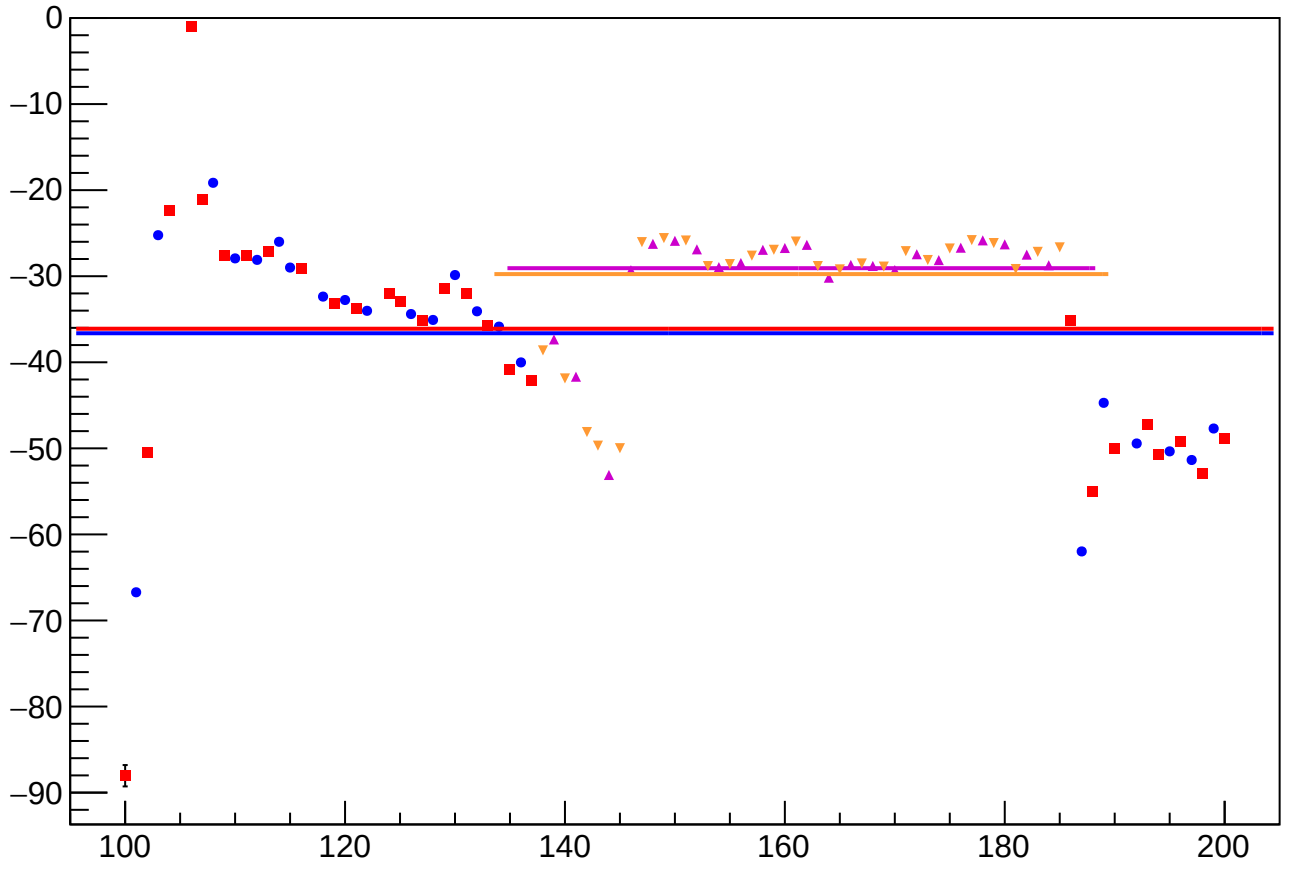
Right Out: -12.686+/-0.574 χ^2/NDF: 605.8/26

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.498+/-0.300 χ^2/NDF: 1610.4/46

All: -2.636+/-0.213 χ^2/NDF: 3186.2/96

\- sign -2.775+/-0.301 χ^2/NDF: 1575.3/49



Right In: -36.628+/-0.033 χ^2/NDF: 101222.3/21

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.102+/-0.031 χ^2/NDF: 197627.0/26

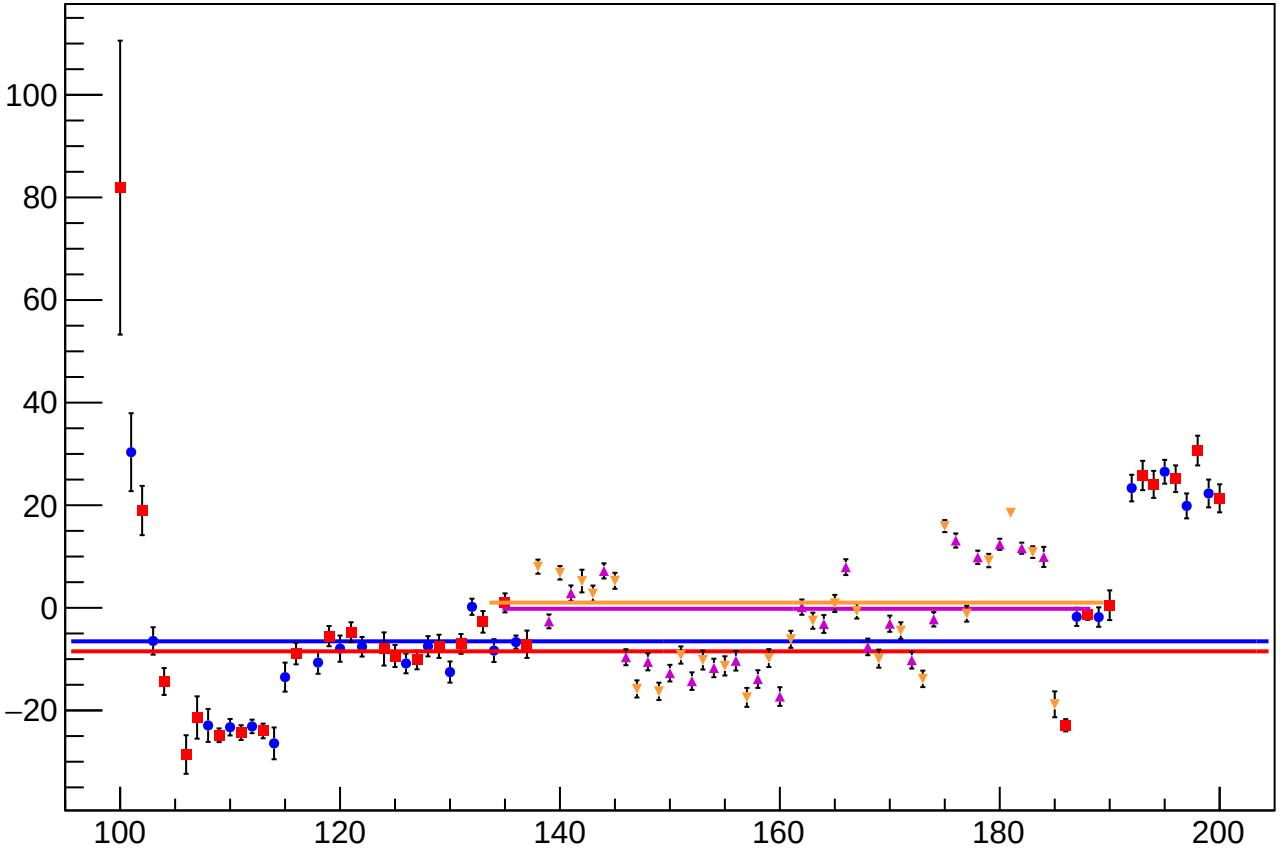
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.024+/-0.014 χ^2/NDF: 300762.7/46

All: -30.771+/-0.010 χ^2/NDF: 641474.3/96

- sign -30.517+/-0.014 χ^2/NDF: 340064.0/49

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -6.530+/-0.435 χ^2/NDF: 978.9/21

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -8.479+/-0.384 χ^2/NDF: 1487.1/26

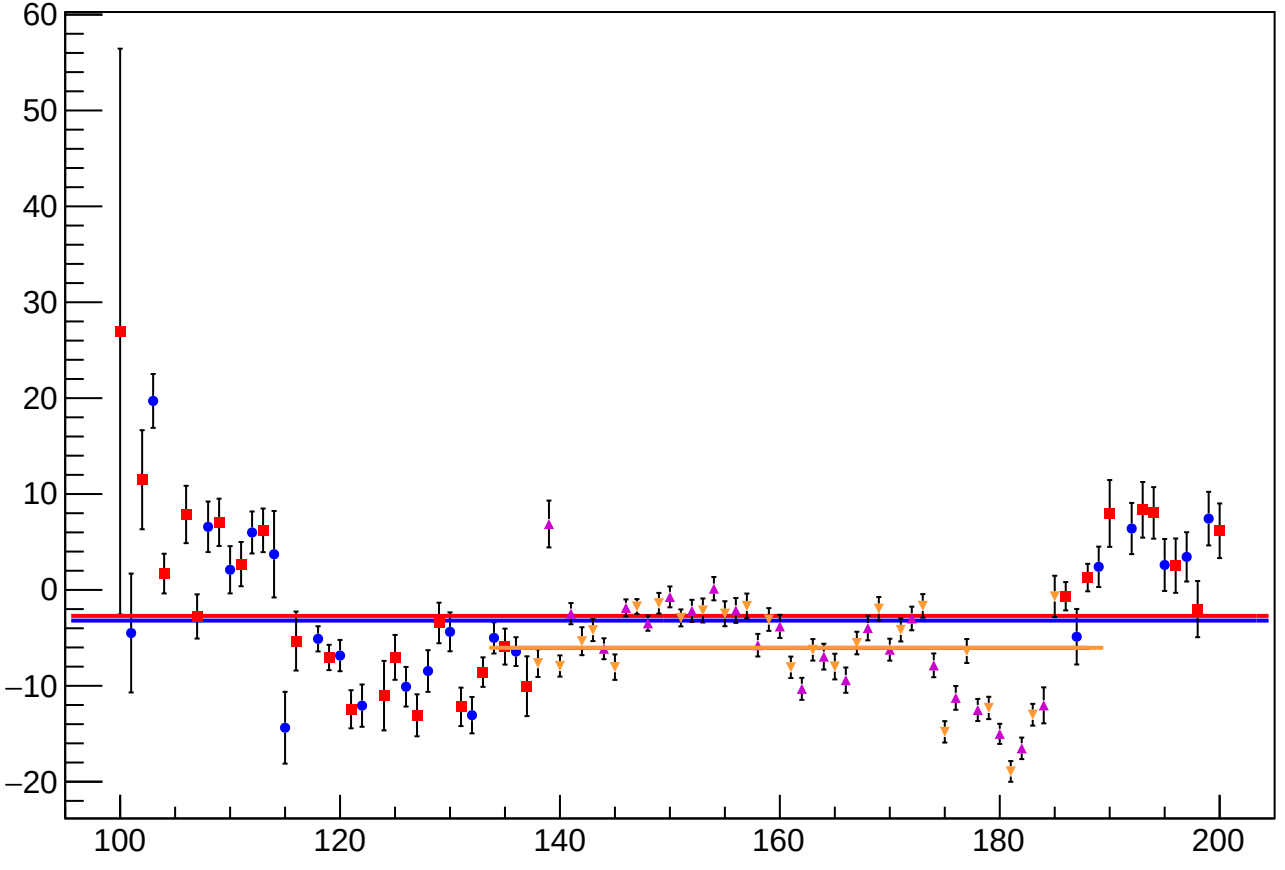
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.470+/-0.250 χ^2/NDF: 2515.8/46

All: -2.523+/-0.174 χ^2/NDF: 5299.4/96

- sign -3.523+/-0.243 χ^2/NDF: 2748.9/49

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.198+/-0.464 χ^2/NDF: 233.4/21

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.706+/-0.428 χ^2/NDF: 237.1/26

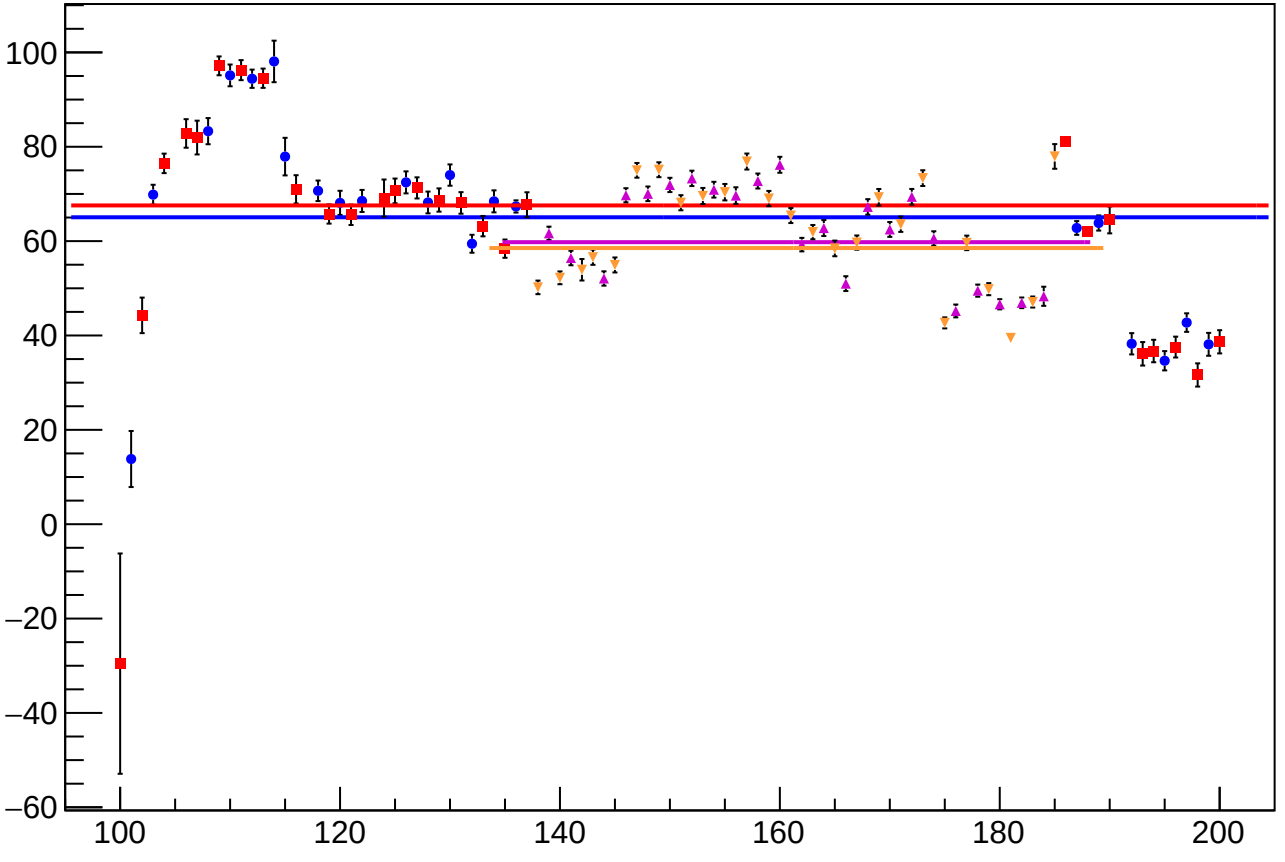
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.463+/-0.208 χ^2/NDF: 678.2/46

All: -5.349+/-0.148 χ^2/NDF: 1358.1/96

- sign -5.232+/-0.211 χ^2/NDF: 679.3/49

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 65.053+/-0.454 χ^2/NDF: 1259.7/21

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 67.565+/-0.385 χ^2/NDF: 1833.5/26

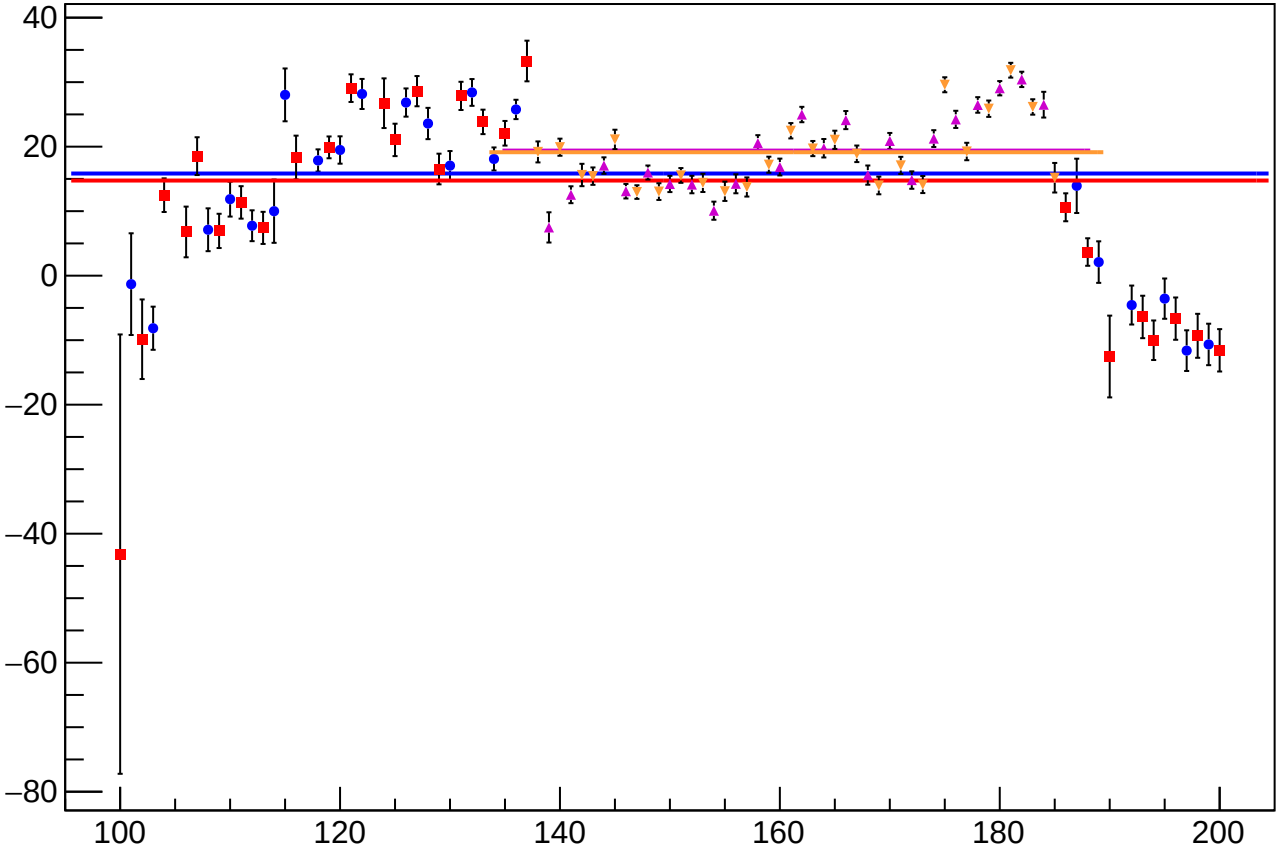
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 60.543+/-0.252 χ^2/NDF: 2851.5/46

All: 61.747+/-0.175 χ^2/NDF: 6046.7/96

\- sign 62.859+/-0.242 χ^2/NDF: 3151.3/49

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 15.836+/-0.536 χ^2/NDF: 483.6/21

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 14.748+/-0.510 χ^2/NDF: 571.9/26

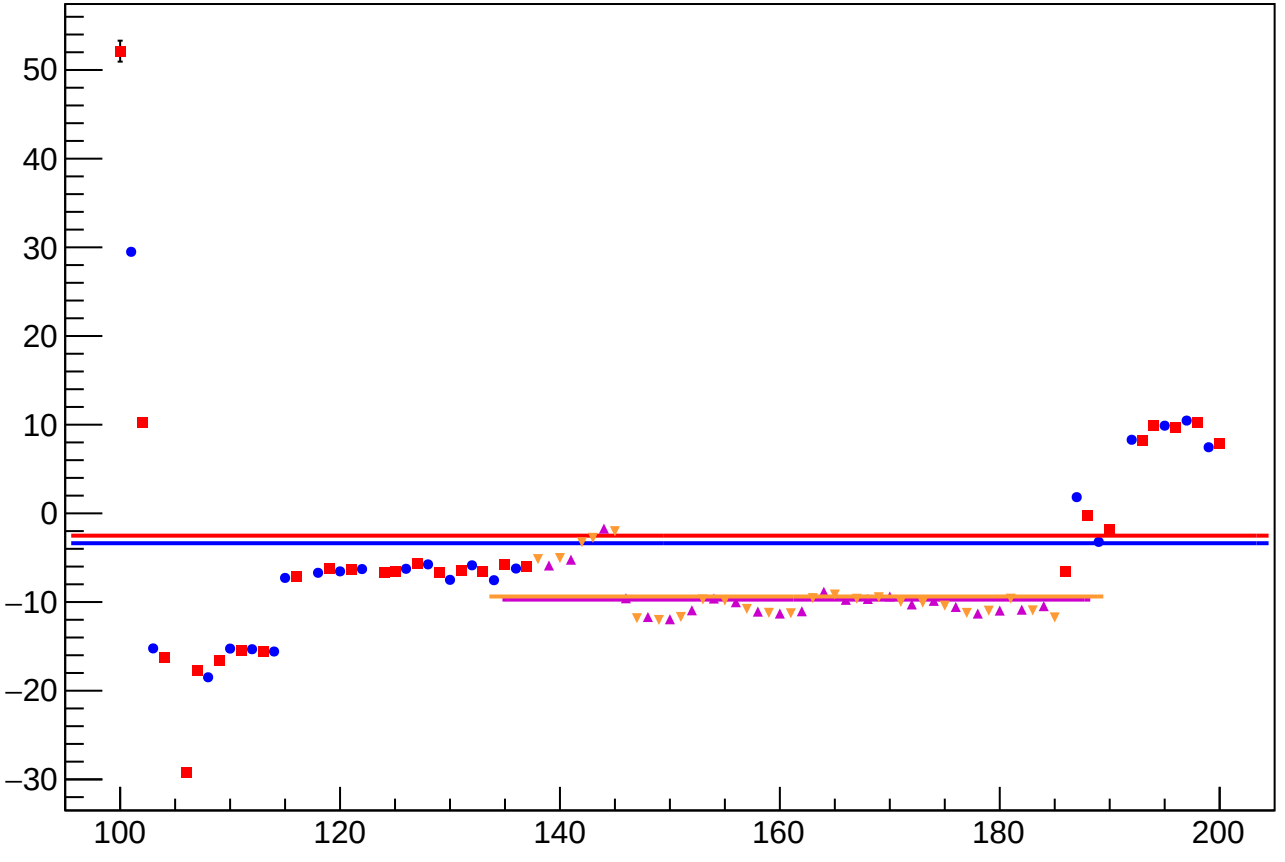
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.493+/-0.237 χ^2/NDF: 947.9/46

All: 18.424+/-0.169 χ^2/NDF: 2052.0/96

- sign 18.352+/-0.241 χ^2/NDF: 1104.0/49

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -3.367+/-0.026 χ^2/NDF: 129970.9/21

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -2.515+/-0.026 χ^2/NDF: 174043.4/26

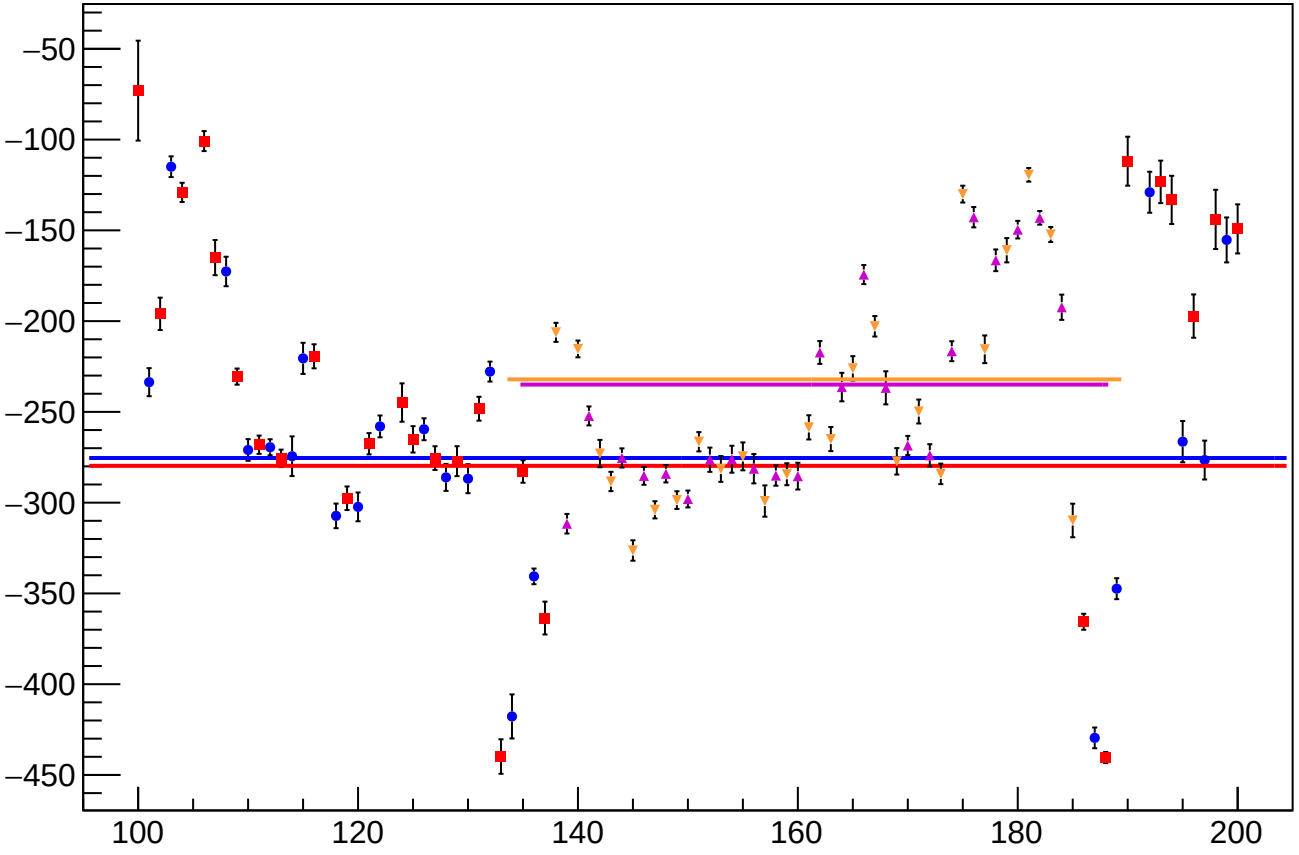
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.366+/-0.011 χ^2/NDF: 222844.0/46

All: -8.386+/-0.008 χ^2/NDF: 493681.3/96

- sign -8.407+/-0.011 χ^2/NDF: 270830.1/49

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -275.400+/-1.450 χ^2/NDF: 2664.3/21

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -279.721+/-1.256 χ^2/NDF: 6573.1/26

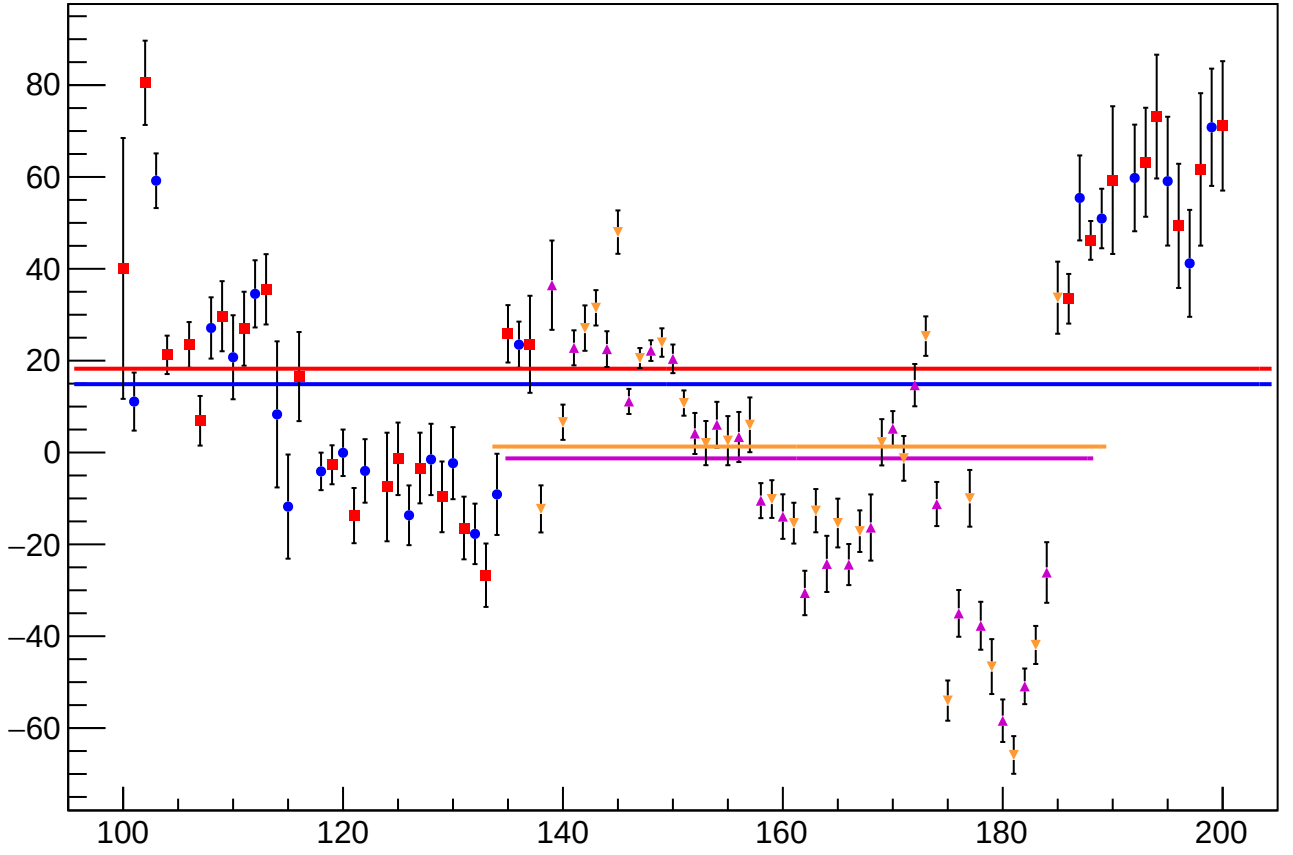
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.686+/-0.898 χ^2/NDF: 6484.4/46

All: -252.431+/-0.620 χ^2/NDF: 16238.1/96

- sign -255.855+/-0.858 χ^2/NDF: 9720.4/49

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.881+/-1.522 χ^2/NDF: 273.0/21

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 18.249+/-1.357 χ^2/NDF: 331.2/26

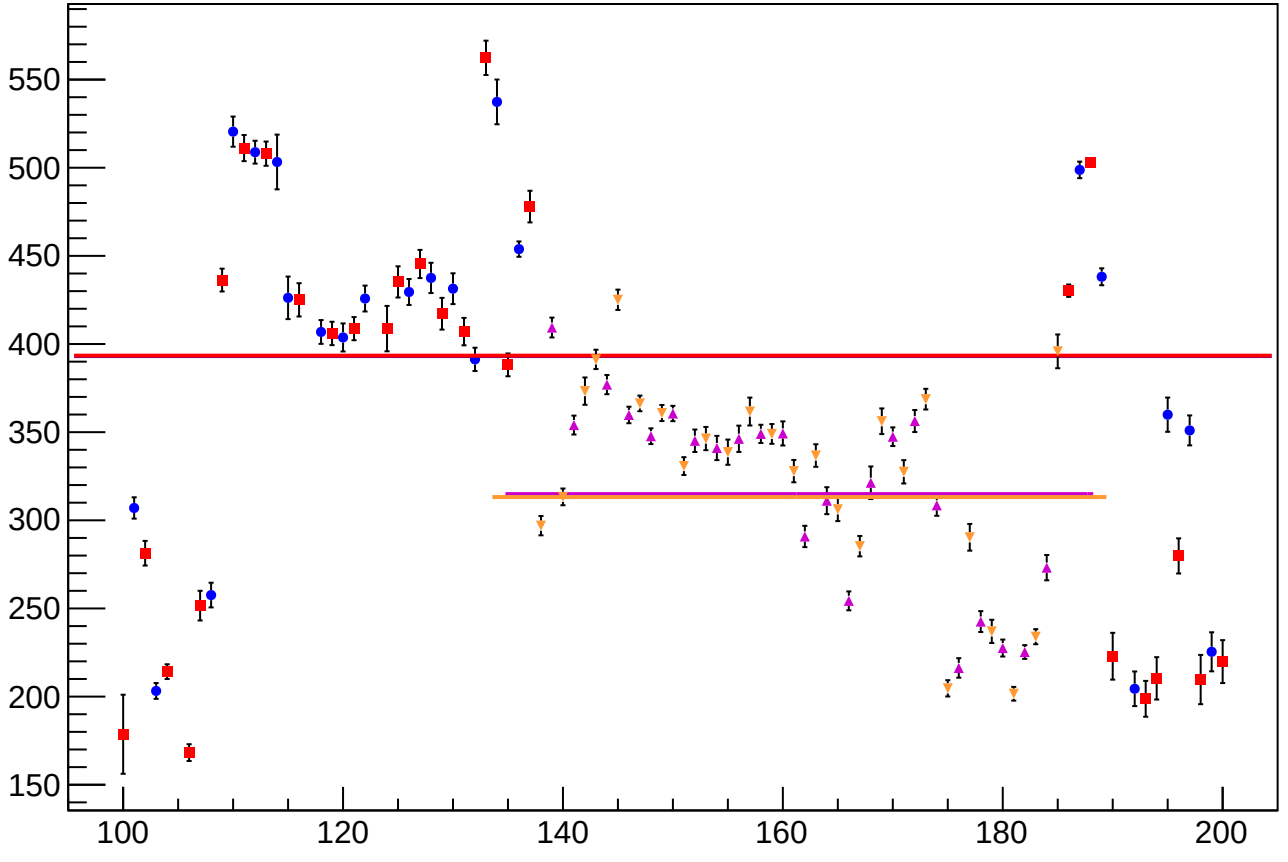
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.448+/-0.733 χ^2/NDF: 1383.6/46

All: 4.424+/-0.518 χ^2/NDF: 2672.9/96

- sign 4.400+/-0.732 χ^2/NDF: 1289.3/49

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 393.175+/-1.472 χ^2/NDF: 4622.5/21

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 393.386+/-1.231 χ^2/NDF: 9134.7/26

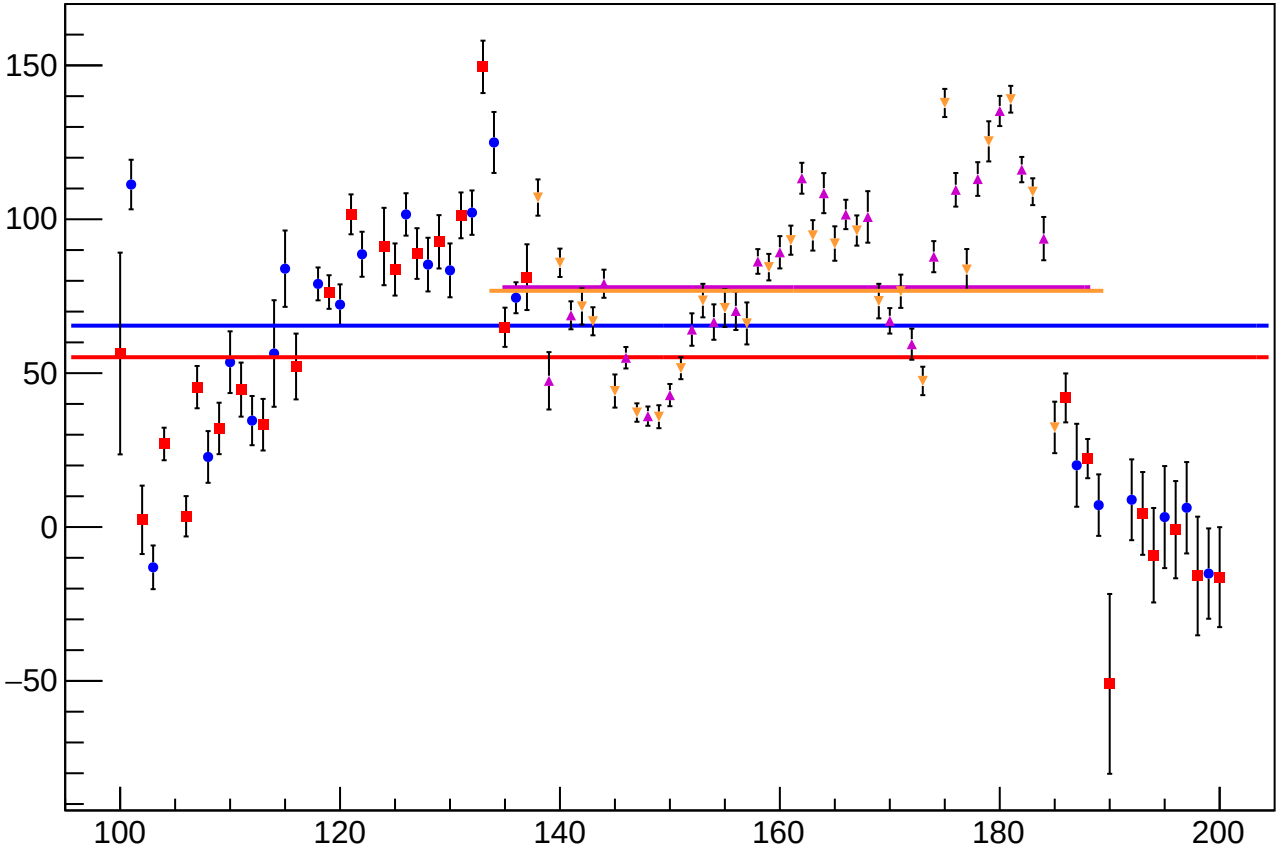
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 342.978+/-0.898 χ^2/NDF: 9610.6/46

All: 347.680+/-0.615 χ^2/NDF: 23378.4/96

- sign 351.837+/-0.845 χ^2/NDF: 13716.2/49

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 65.434+/-1.790 χ^2/NDF: 443.2/21

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 55.178+/-1.639 χ^2/NDF: 542.0/26

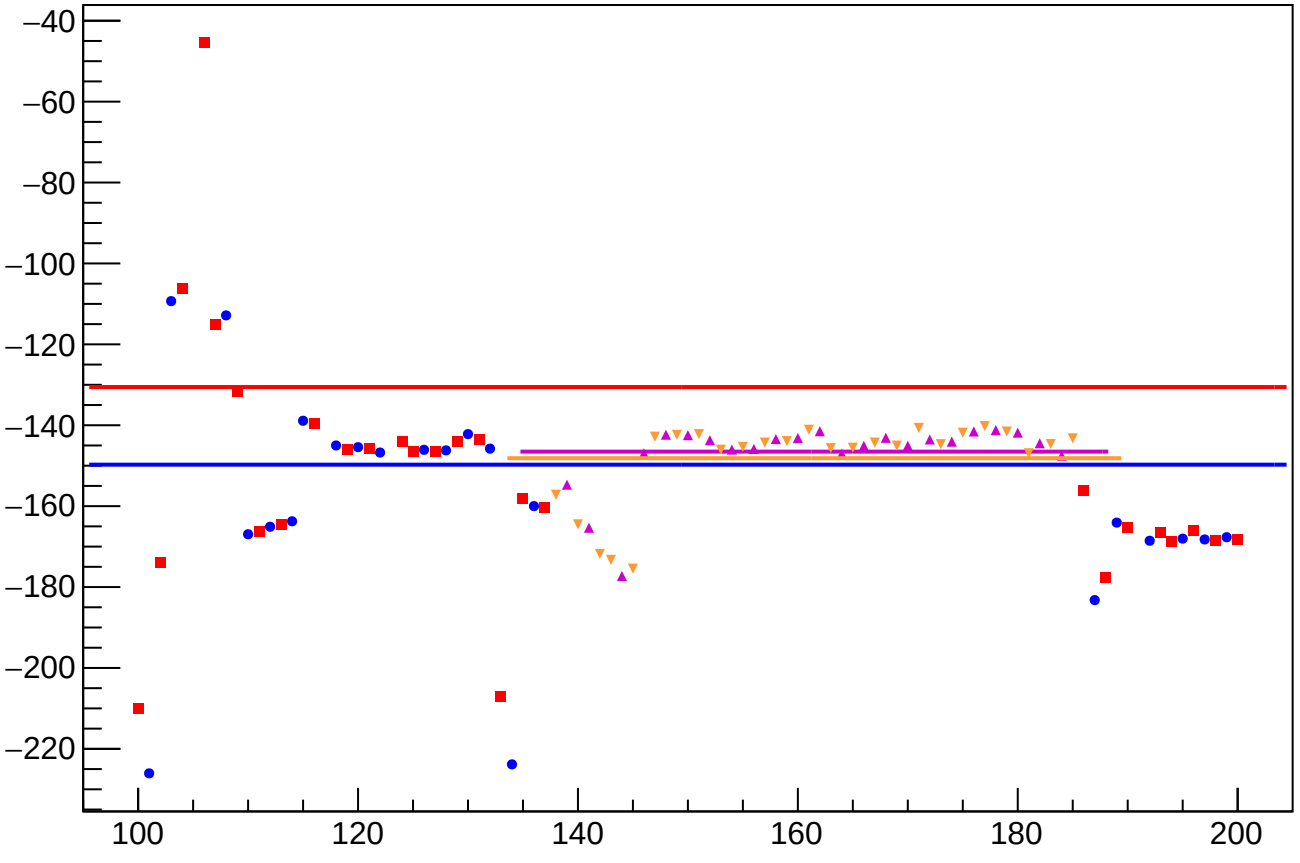
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.202+/-0.851 χ^2/NDF: 1509.5/46

All: 72.992+/-0.602 χ^2/NDF: 2980.0/96

- sign 71.780+/-0.852 χ^2/NDF: 1466.4/49

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -149.746+/-0.088 χ^2/NDF: 143343.7/21

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -130.557+/-0.079 χ^2/NDF: 337161.1/26

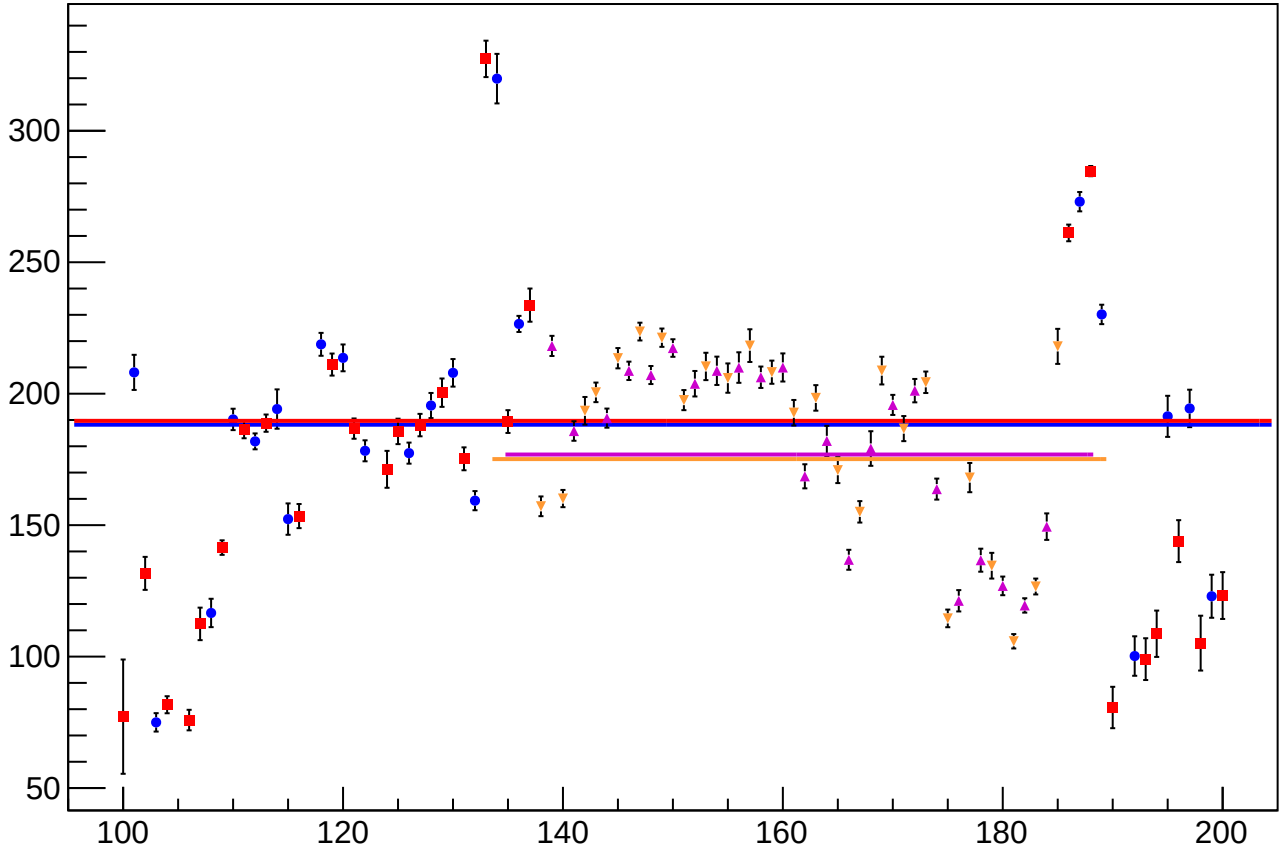
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.479+/-0.040 χ^2/NDF: 192513.5/46

All: -145.444+/-0.028 χ^2/NDF: 600868.5/96

- sign -142.519+/-0.039 χ^2/NDF: 397141.2/49

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 188.208+/-0.971 χ^2/NDF: 2654.1/21

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.673+/-0.831 χ^2/NDF: 6568.7/26

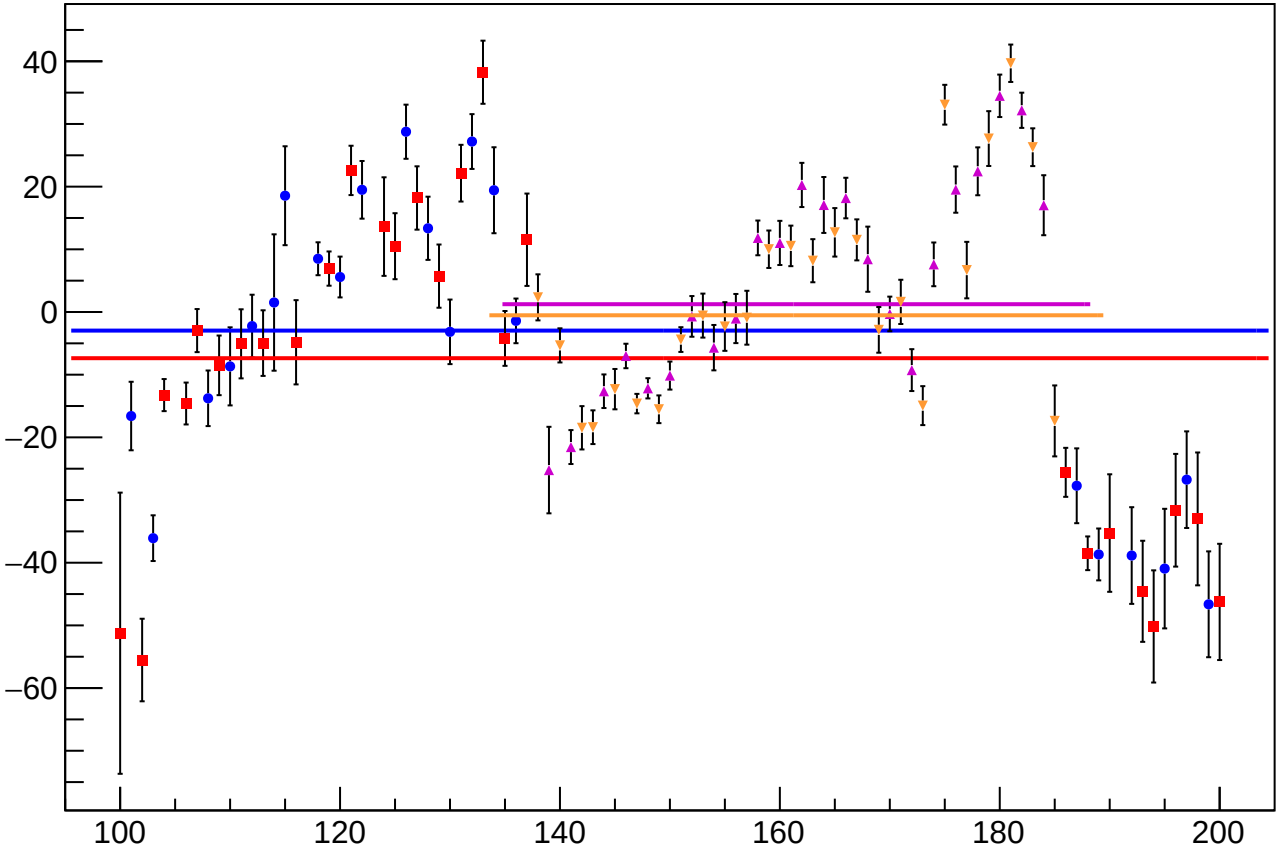
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.585+/-0.627 χ^2/NDF: 5055.0/46

All: 182.065+/-0.431 χ^2/NDF: 13506.9/96

- sign 183.388+/-0.593 χ^2/NDF: 8441.4/49

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.966+/-1.018 χ^2/NDF: 441.2/21

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.370+/-0.894 χ^2/NDF: 577.2/26

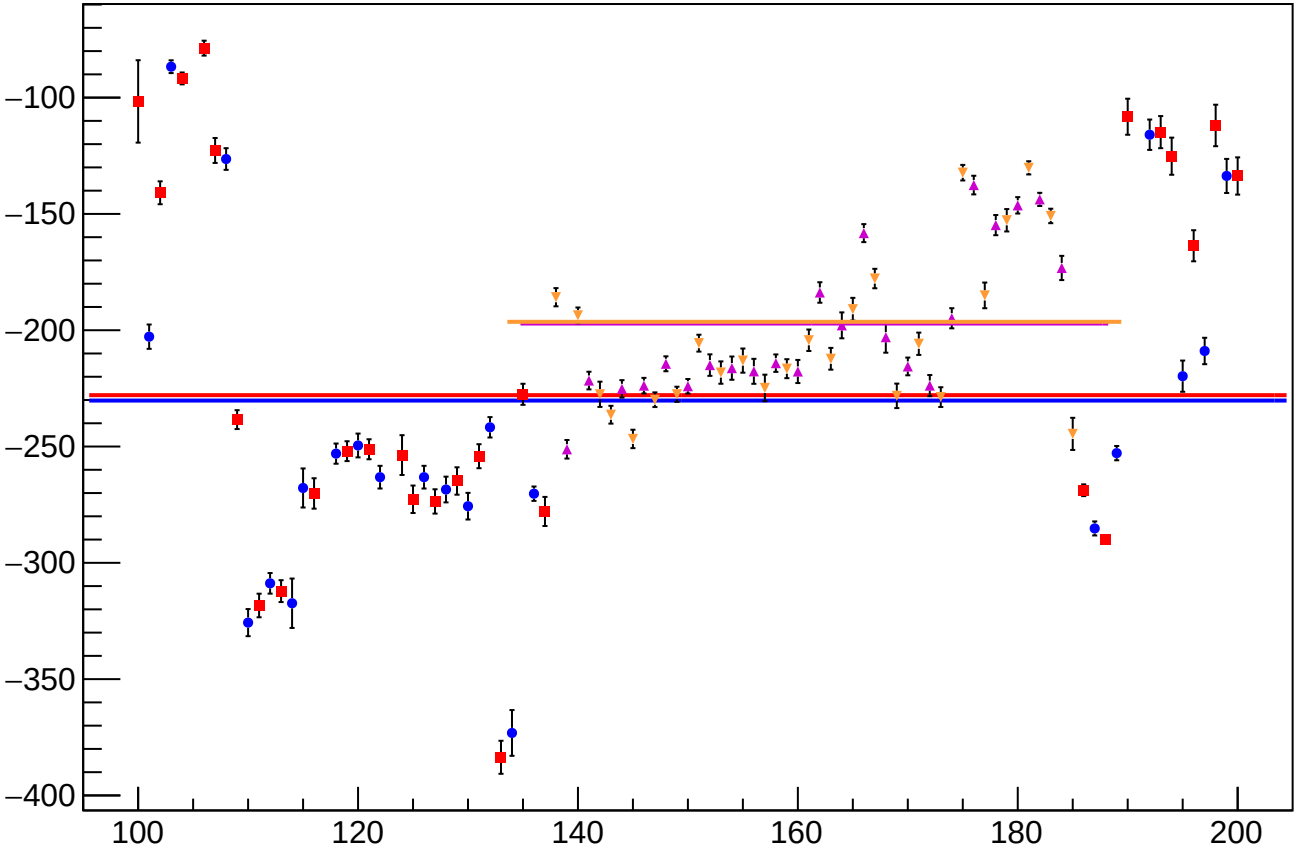
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.154+/-0.517 χ^2/NDF: 1169.9/46

All: -1.373+/-0.364 χ^2/NDF: 2430.4/96

- sign -1.588+/-0.512 χ^2/NDF: 1260.1/49

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -230.237+/-0.983 χ^2/NDF: 5434.4/21

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -227.917+/-0.811 χ^2/NDF: 10171.7/26

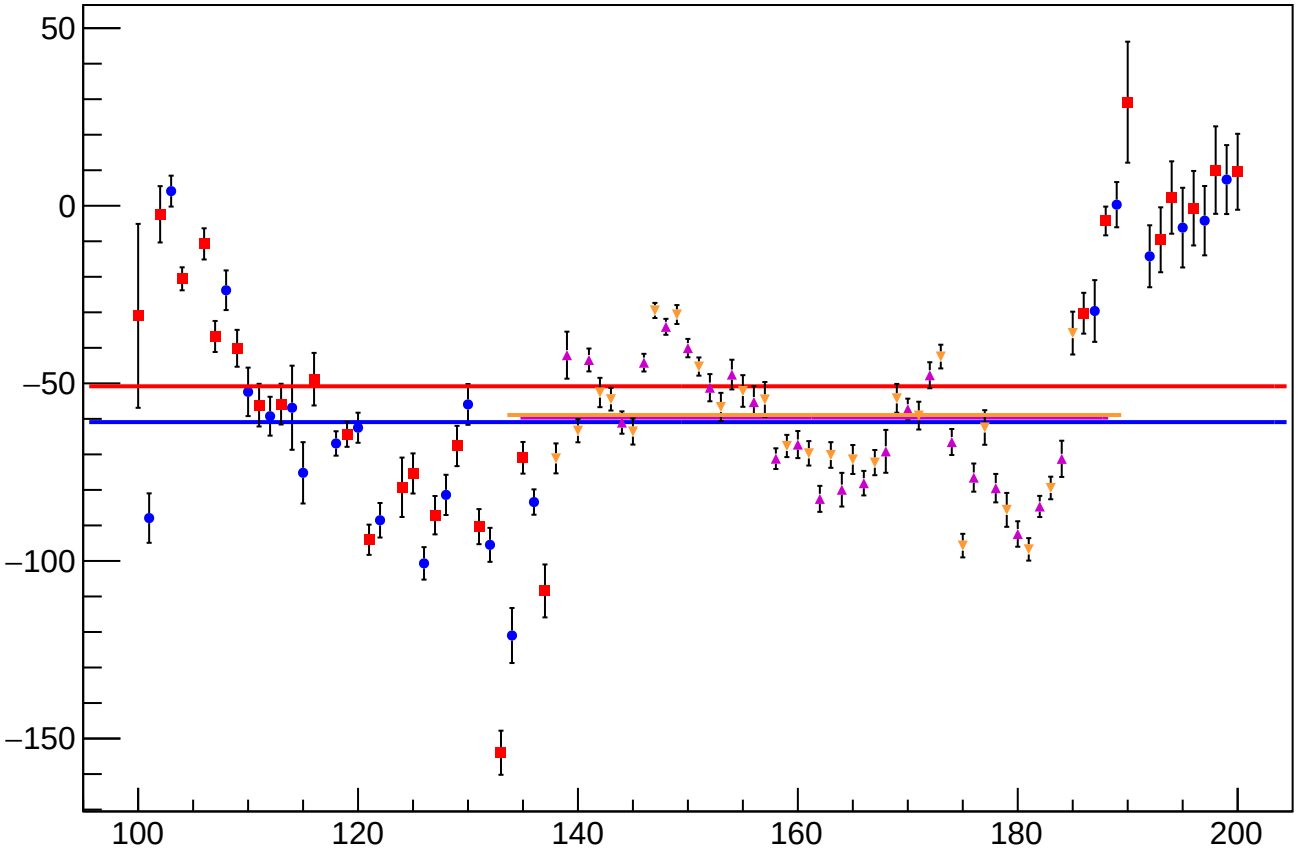
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

\+ sign -210.190+/-0.628 χ^2/NDF: 8134.7/46

All: -211.705+/-0.427 χ^2/NDF: 20617.0/96

\- sign -213.009+/-0.582 χ^2/NDF: 12471.4/49

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.912+/-1.202 χ^2/NDF: 805.4/21

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -50.828+/-1.082 χ^2/NDF: 1141.6/26

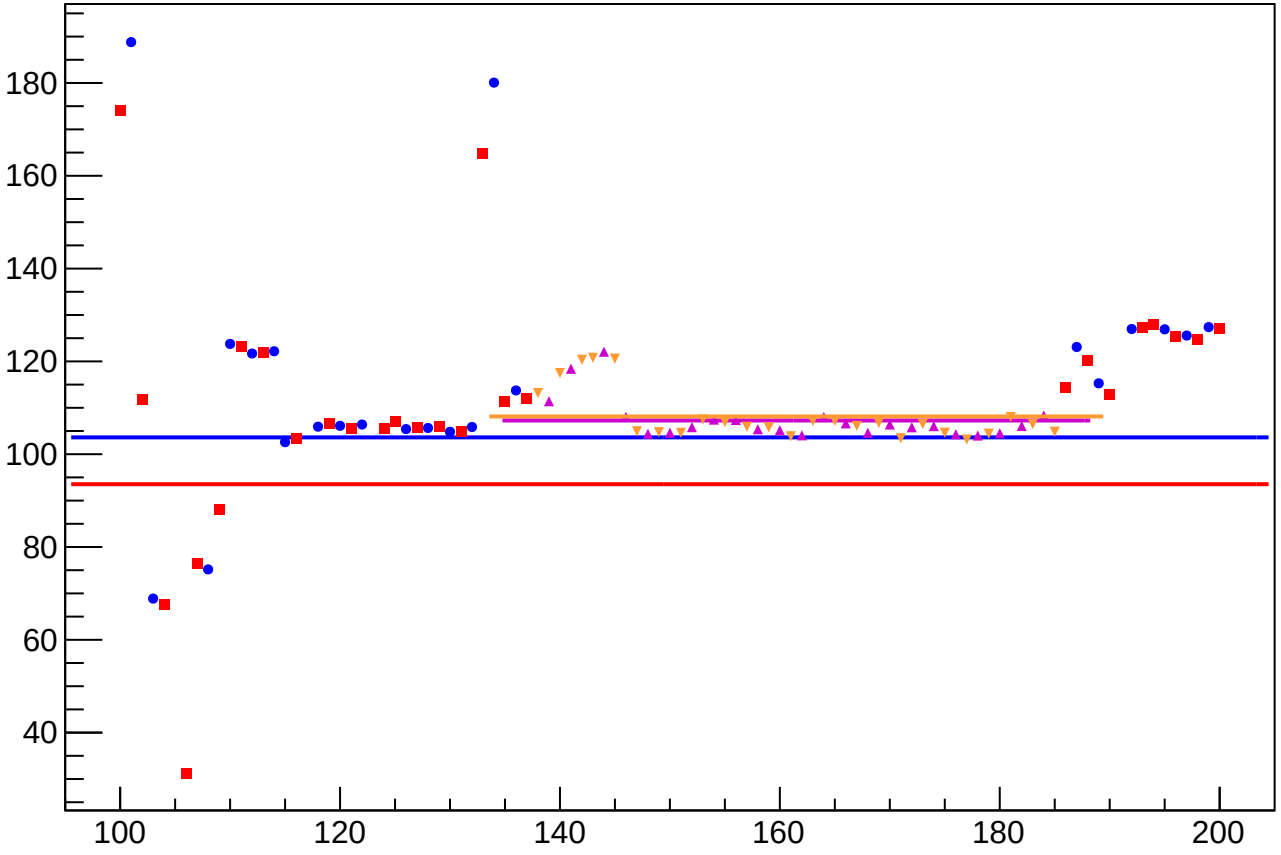
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.411+/-0.602 χ^2/NDF: 1589.9/46

All: -58.171+/-0.424 χ^2/NDF: 3383.1/96

- sign -56.943+/-0.598 χ^2/NDF: 1784.7/49

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 103.626+/-0.059 χ^2/NDF: 260881.0/21

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

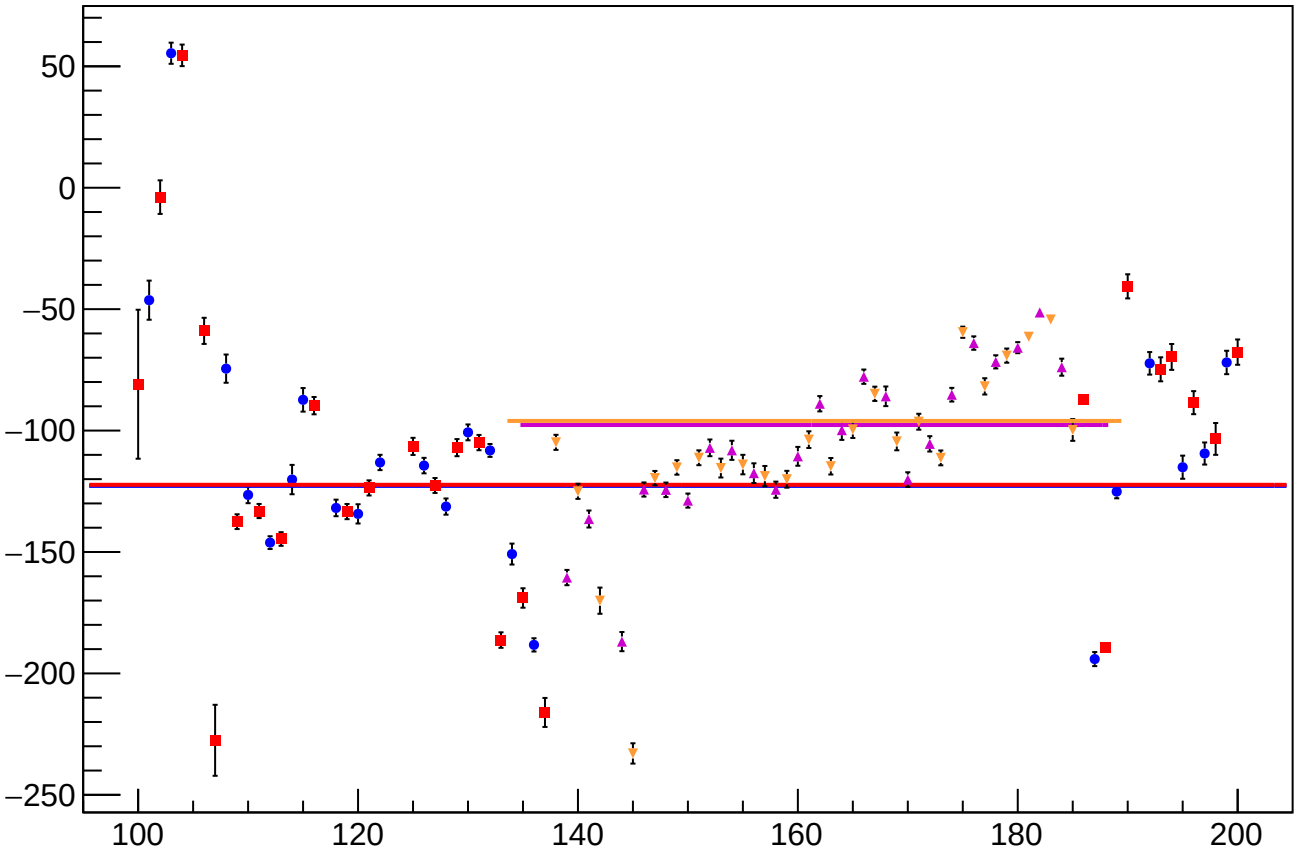
Right Out: 93.533+/-0.053 χ^2/NDF: 366501.5/26

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.088+/-0.028 χ^2/NDF: 291788.0/46

All: 105.250+/-0.020 χ^2/NDF: 731673.6/96

- sign 103.475+/-0.028 χ^2/NDF: 431669.4/49



Right In: -122.777+/-0.769 χ^2/NDF: 3545.9/21

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -122.331+/-0.664 χ^2/NDF: 5897.6/25

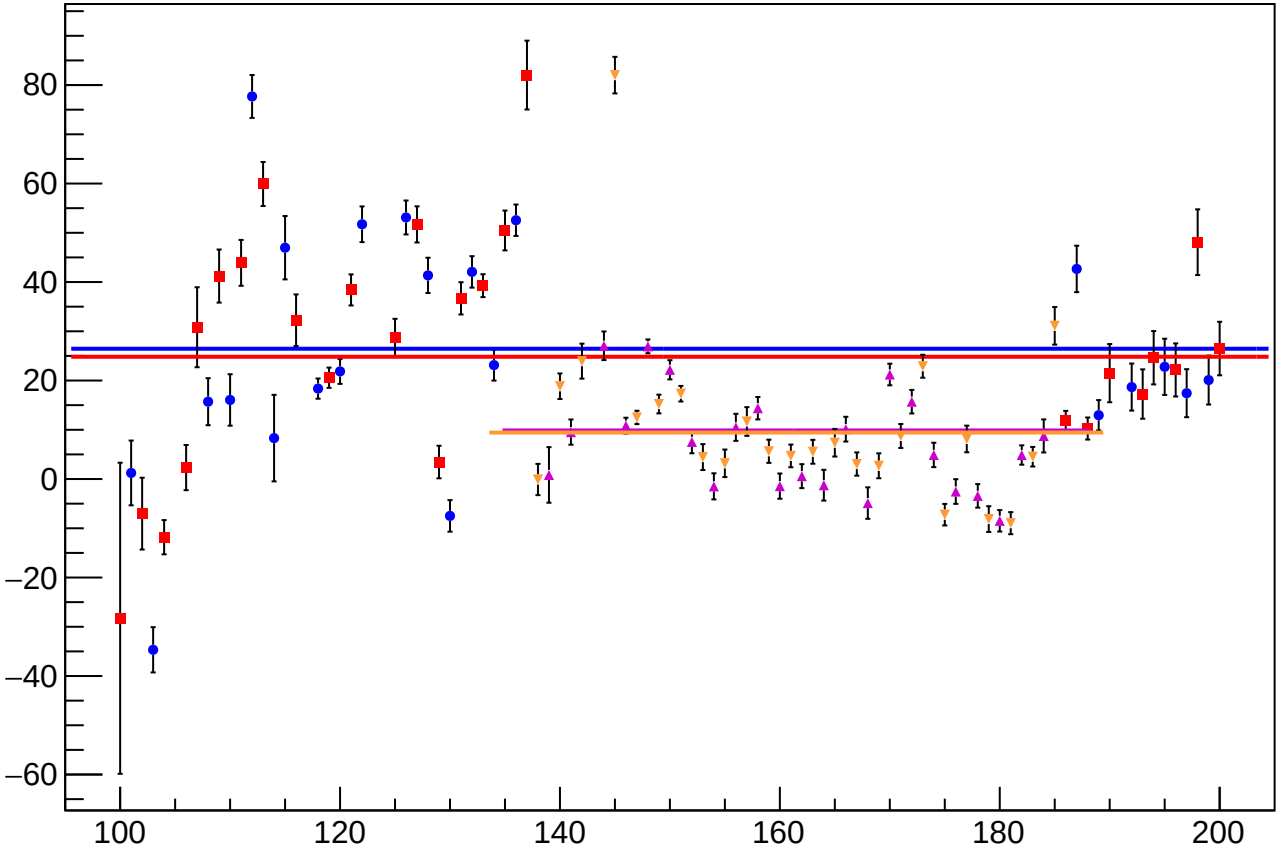
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -106.871+/-0.490 χ^2/NDF: 7036.6/45

All: -108.291+/-0.335 χ^2/NDF: 16305.3/94

\- sign -109.545+/-0.460 χ^2/NDF: 9252.8/48

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.458+/-0.797 χ^2/NDF: 741.4/21

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

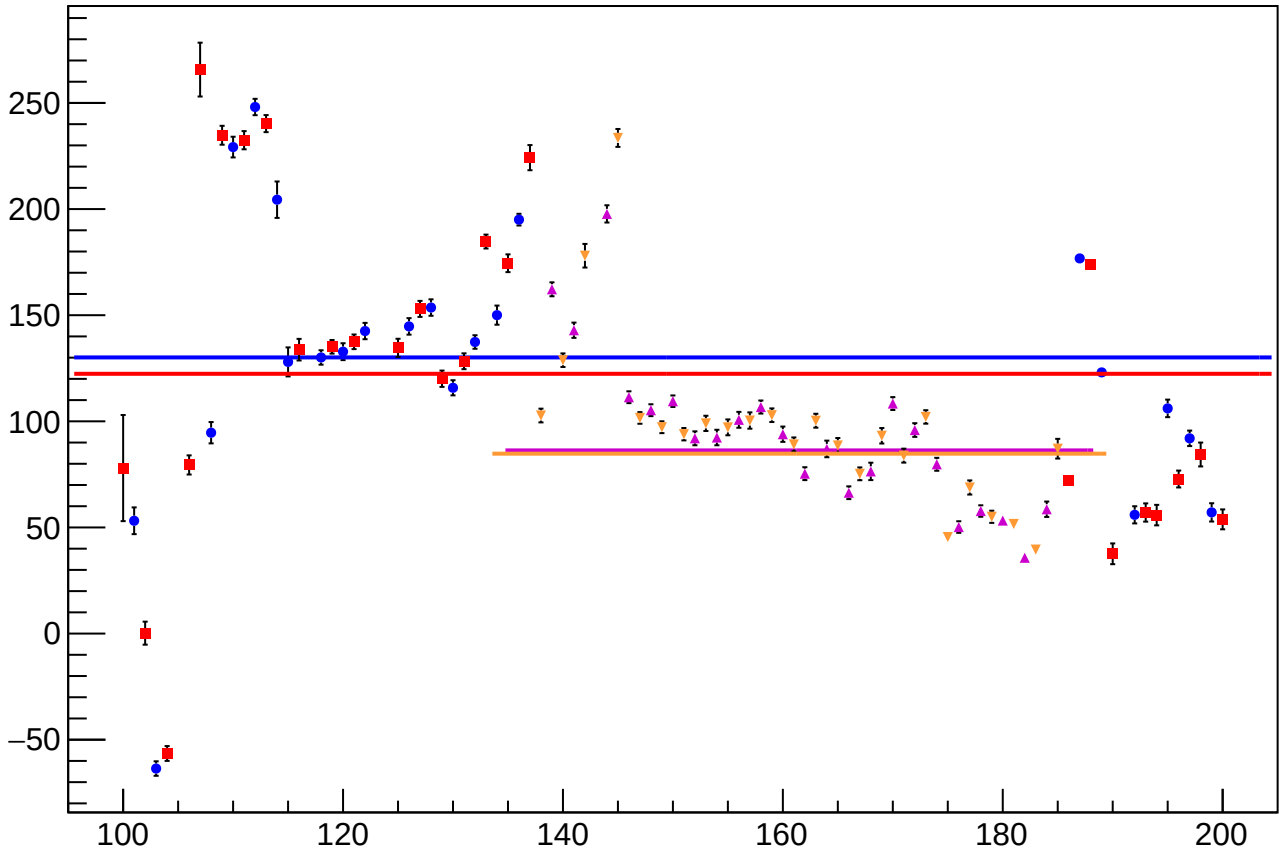
Right Out: 24.827+/-0.726 χ^2/NDF: 624.1/25

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.943+/-0.410 χ^2/NDF: 1813.4/45

All: 14.227+/-0.288 χ^2/NDF: 3217.0/94

\- sign 14.503+/-0.404 χ^2/NDF: 1402.7/48



Right In: 130.107+/-0.788 χ^2/NDF: 6656.4/21

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 122.388+/-0.640 χ^2/NDF: 10549.9/25

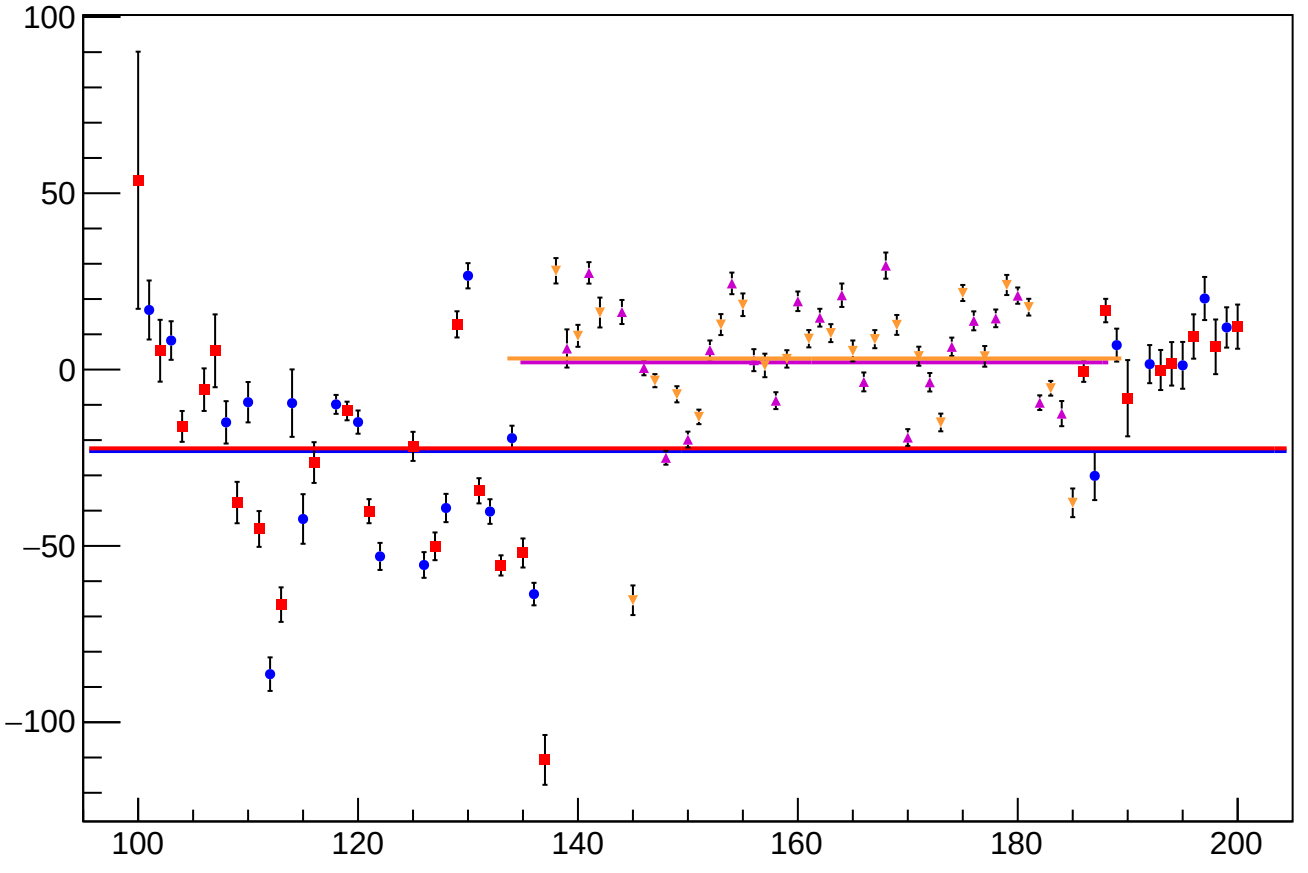
Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.399+/-0.492 χ^2/NDF: 11787.9/45

All: 103.325+/-0.332 χ^2/NDF: 27106.3/94

\- sign 104.099+/-0.450 χ^2/NDF: 15311.8/48

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -23.103+/-0.937 χ^2/NDF: 980.1/21

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

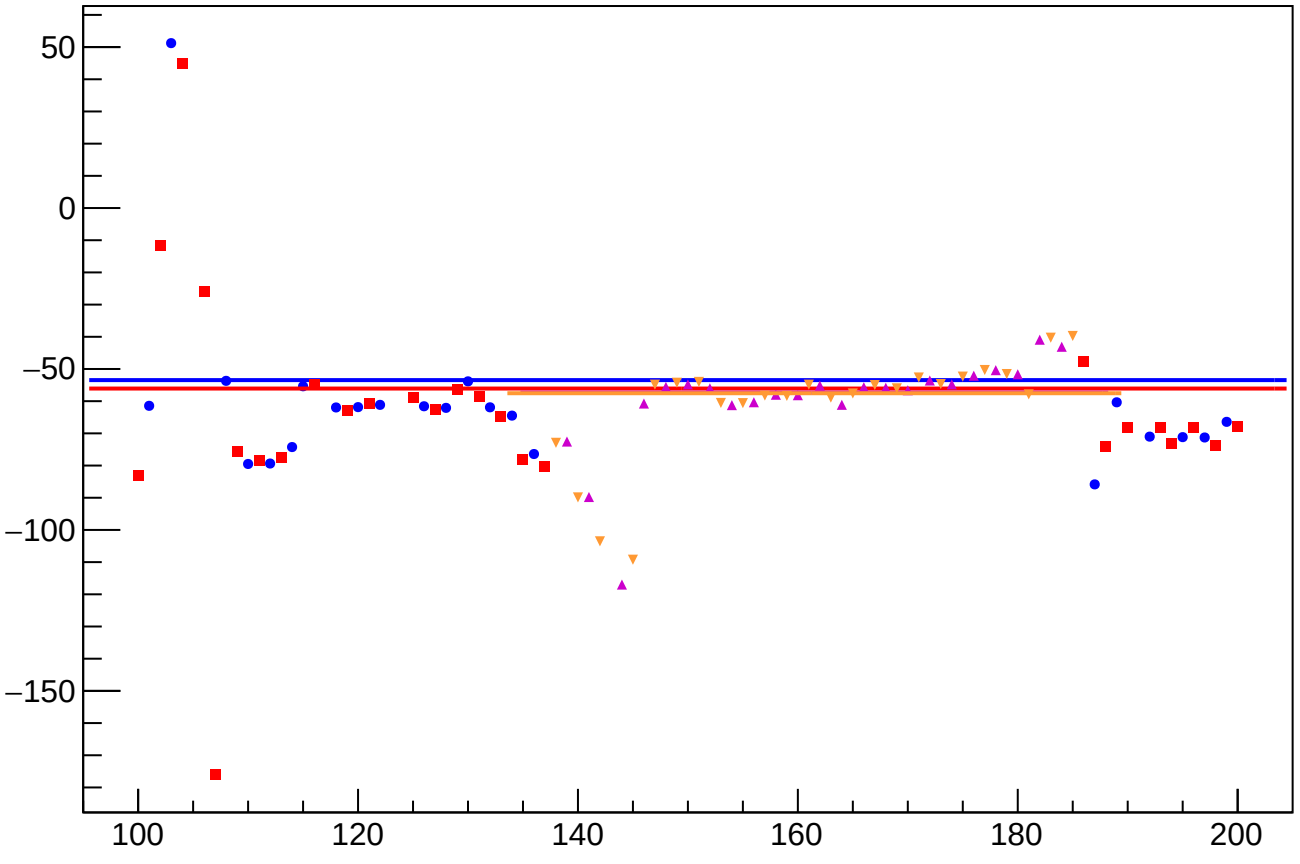
Right Out: -22.338+/-0.883 χ^2/NDF: 971.3/25

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.460+/-0.470 χ^2/NDF: 2381.1/45

All: -4.128+/-0.332 χ^2/NDF: 4756.5/94

- sign -4.788+/-0.467 χ^2/NDF: 2371.4/48



Right In: -53.456+/-0.048 χ^2/NDF: 634483.1/21

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.077+/-0.047 χ^2/NDF: 560872.1/25

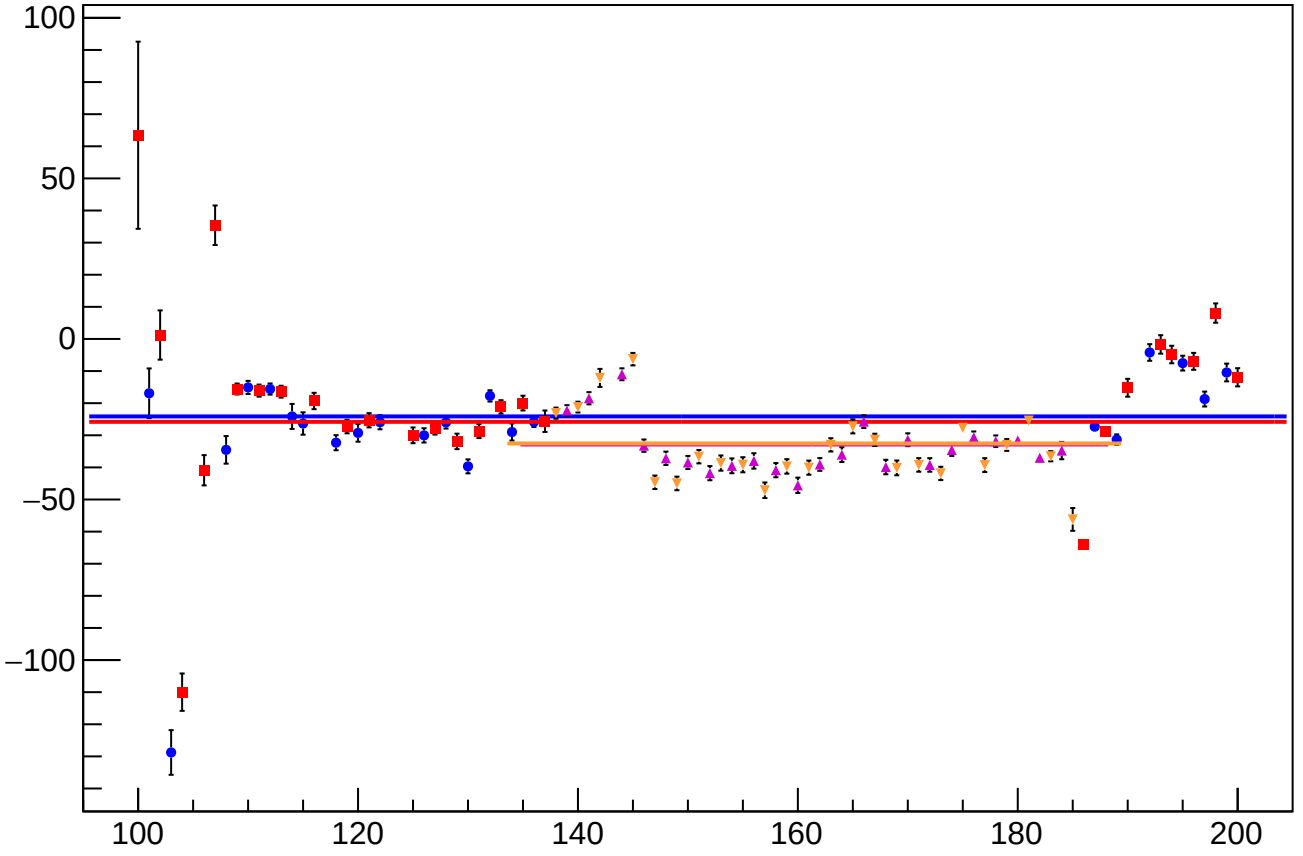
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.687+/-0.022 χ^2/NDF: 907130.6/45

All: -56.890+/-0.016 χ^2/NDF: 1695916.1/94

\- sign -57.090+/-0.022 χ^2/NDF: 788617.2/48

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -24.123+/-0.477 χ^2/NDF: 536.1/21

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

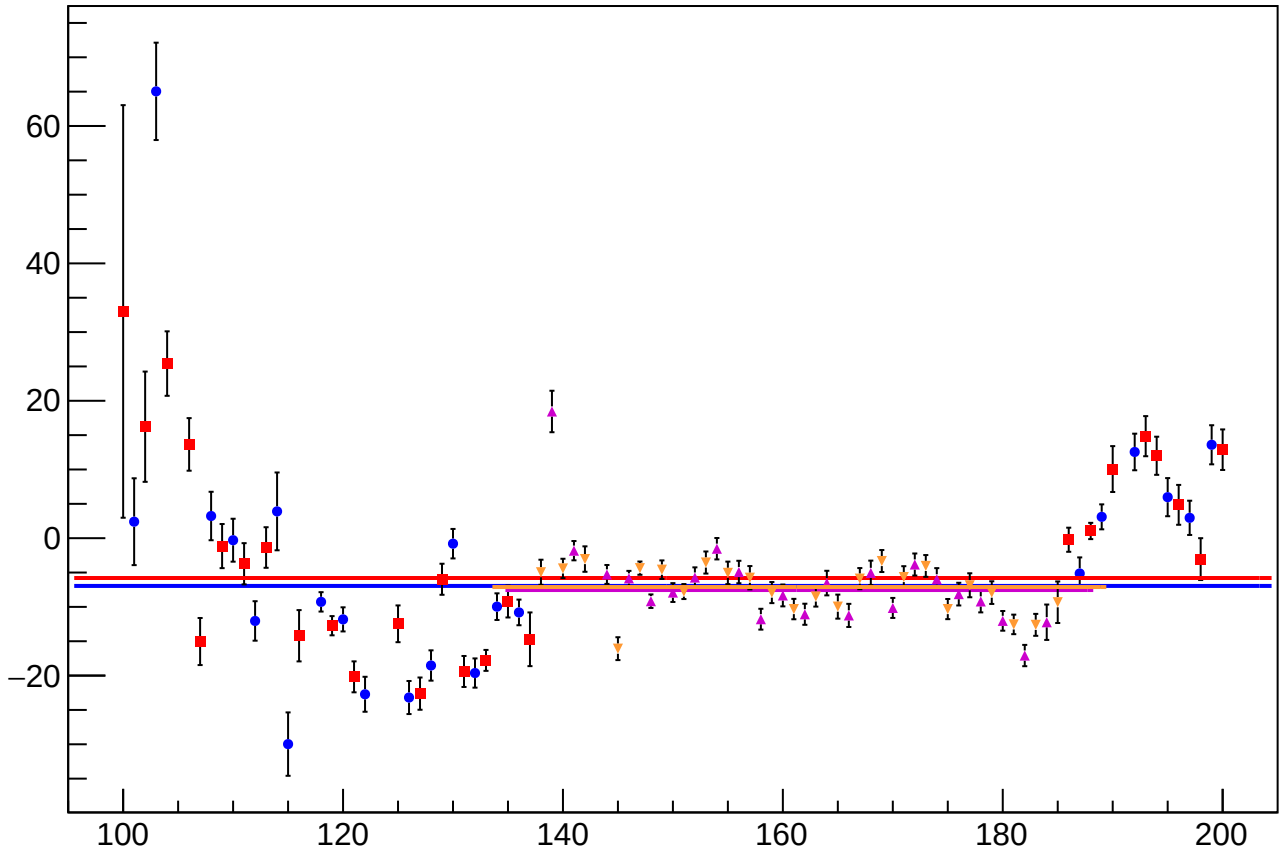
Right Out: -25.805+/-0.422 χ^2/NDF: 1542.2/25

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.005+/-0.309 χ^2/NDF: 1320.3/45

All: -29.227+/-0.213 χ^2/NDF: 3380.3/94

- sign -29.428+/-0.295 χ^2/NDF: 2059.0/48



Right In: -6.949+/-0.512 χ^2/NDF: 496.8/21

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

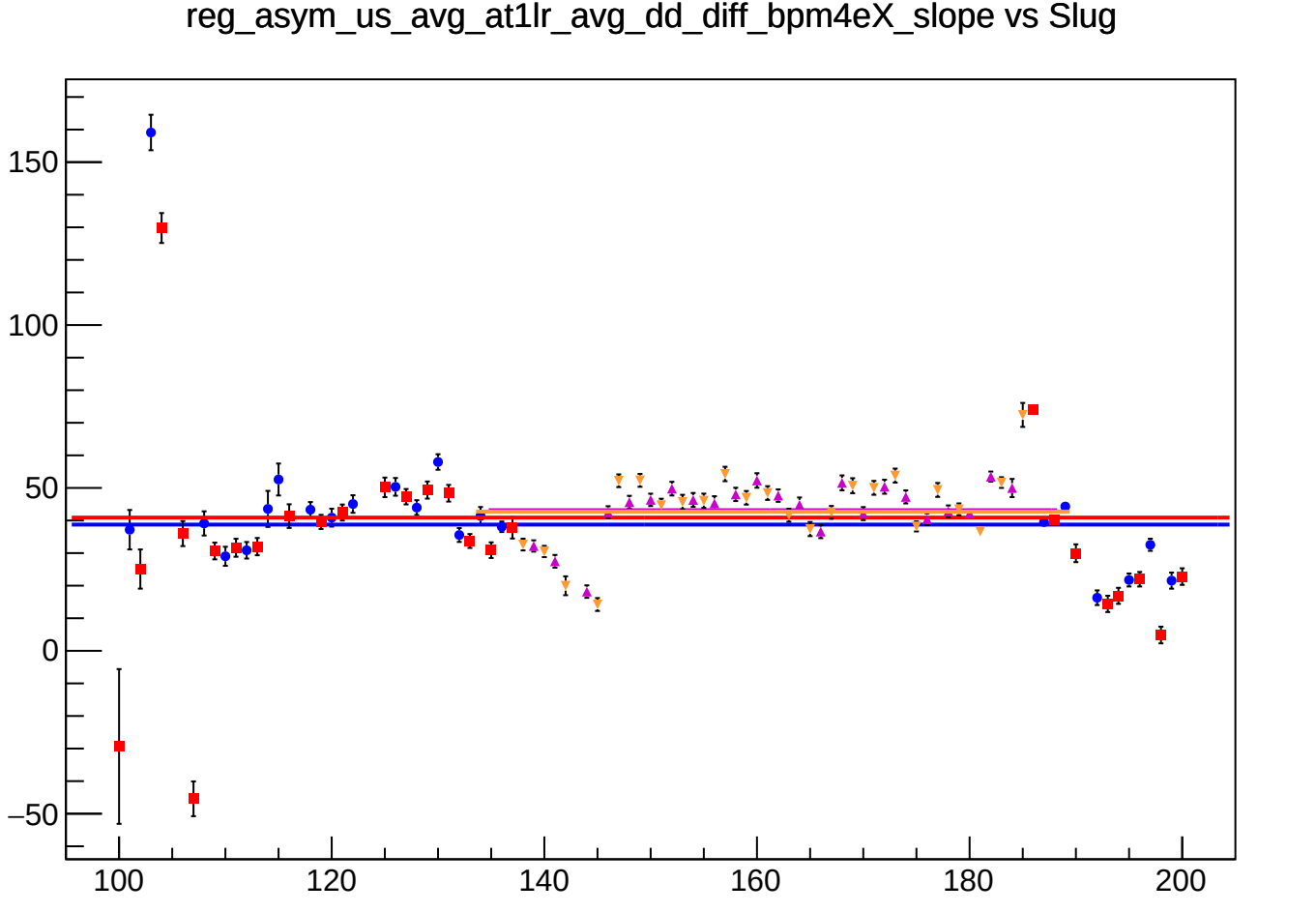
Right Out: -5.796+/-0.475 χ^2/NDF: 536.7/25

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.067+/-0.265 χ^2/NDF: 606.4/45

All: -7.039+/-0.186 χ^2/NDF: 1352.3/94

- sign -7.012+/-0.263 χ^2/NDF: 745.9/48



Right In: 38.748+/-0.480 χ^2/NDF: 868.7/21

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

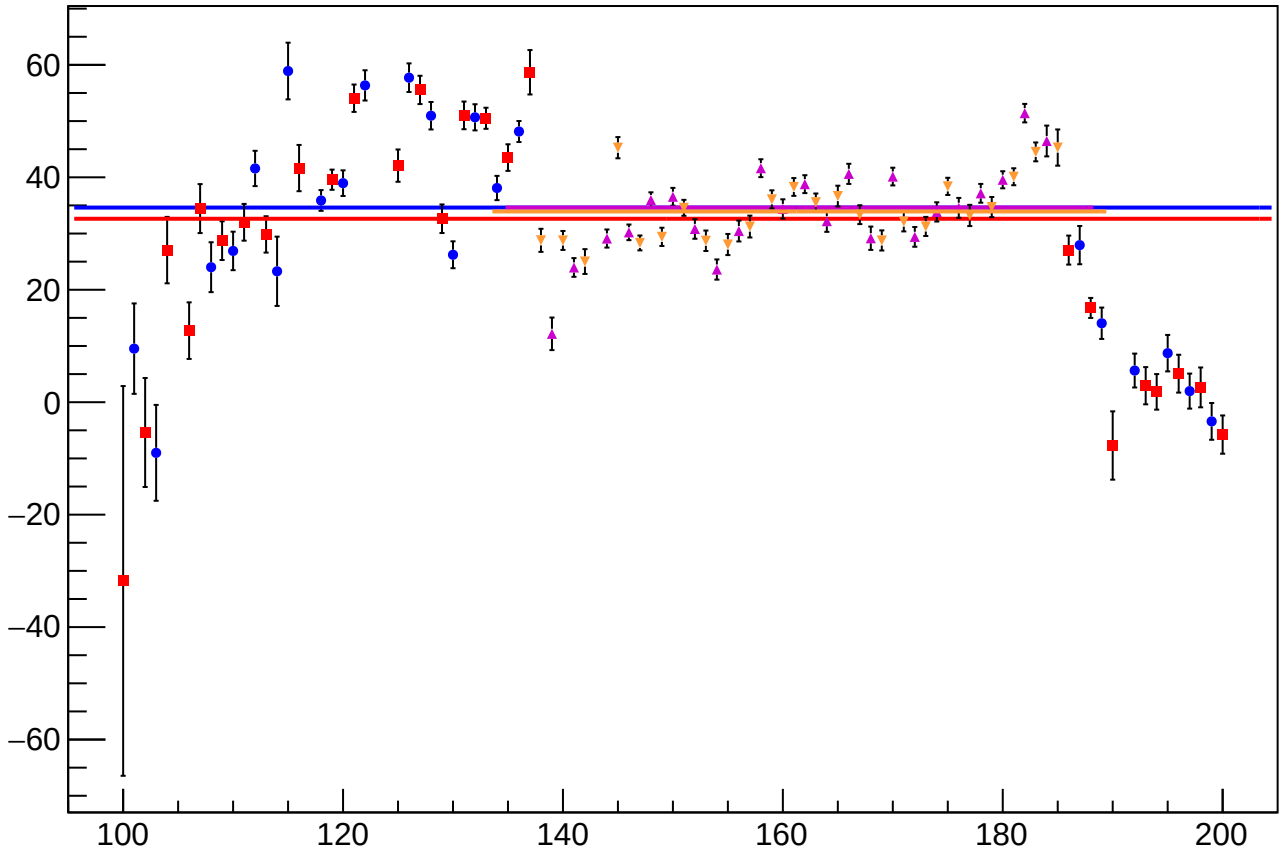
Right Out: 40.899+/-0.407 χ^2/NDF: 2167.4/25

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.089+/-0.309 χ^2/NDF: 1540.9/45

All: 41.594+/-0.210 χ^2/NDF: 4141.8/94

- sign 42.033+/-0.288 χ^2/NDF: 2595.9/48



Right In: 34.620+/-0.602 χ^2/NDF: 849.1/21

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

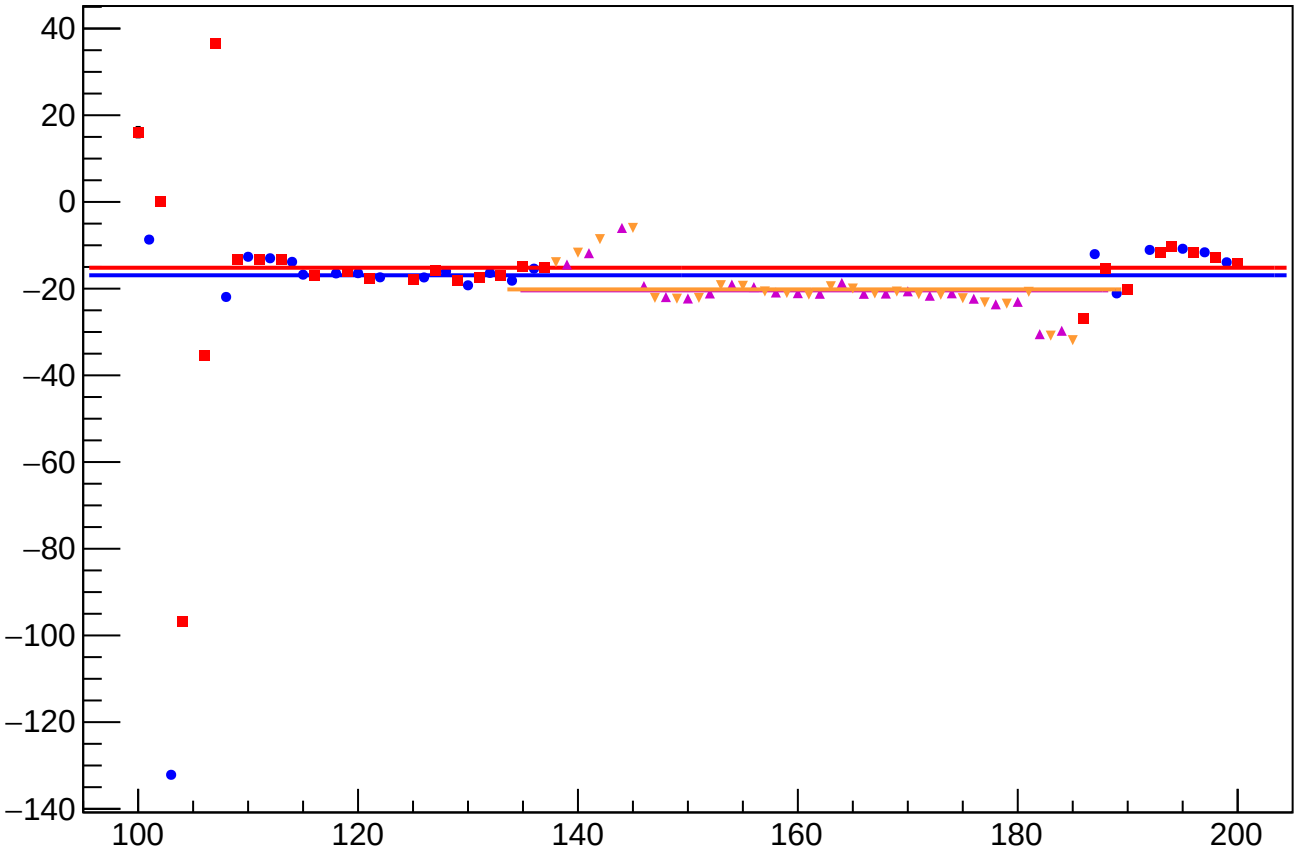
Right Out: 32.628+/-0.576 χ^2/NDF: 1009.6/25

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 34.105+/-0.303 χ^2/NDF: 1066.6/45

All: 34.088+/-0.214 χ^2/NDF: 2460.9/94

\- sign 34.072+/-0.303 χ^2/NDF: 1394.3/48



Right In: -16.919+/-0.031 χ^2/NDF: 265356.1/21

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.178+/-0.029 χ^2/NDF: 217264.8/25

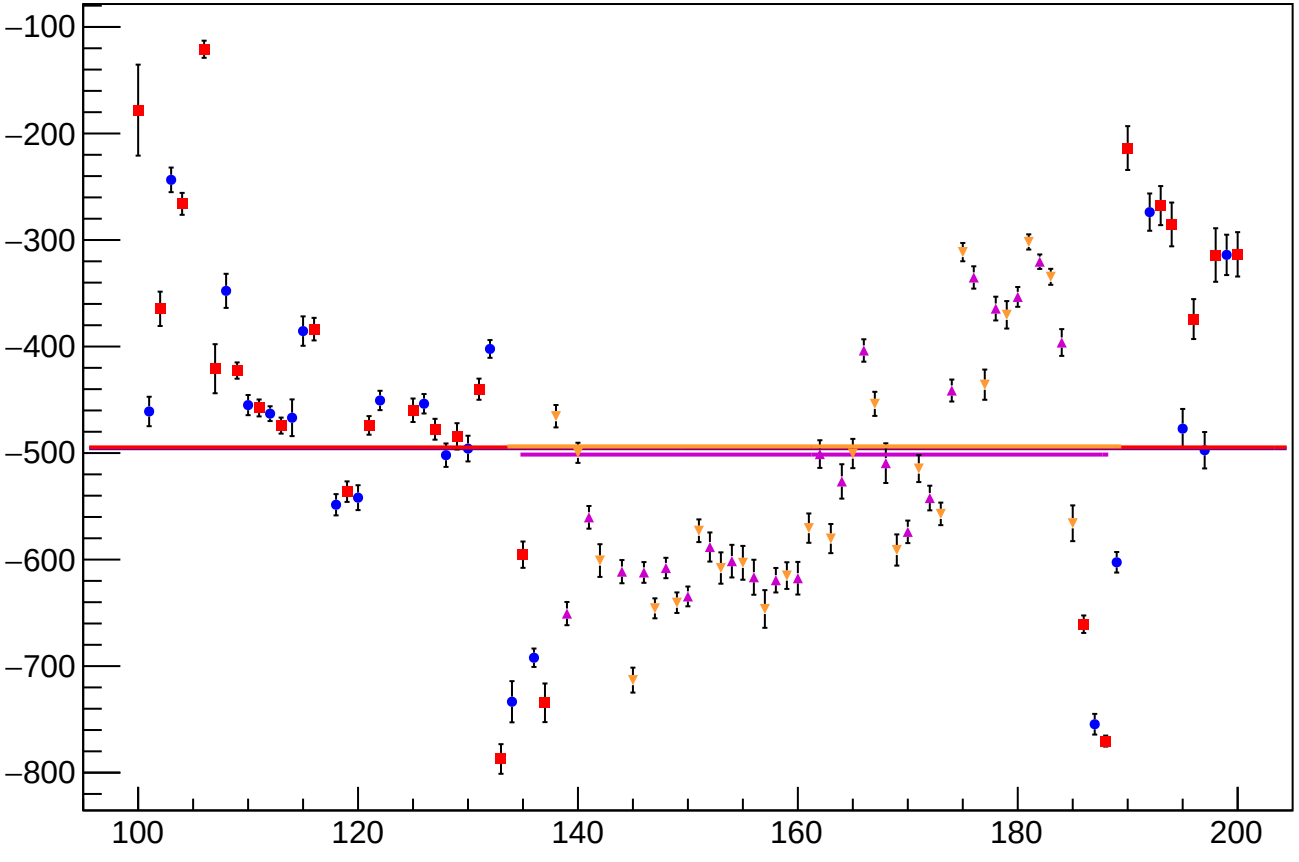
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.490+/-0.014 χ^2/NDF: 374249.1/45

All: -19.348+/-0.010 χ^2/NDF: 697735.2/94

- sign -19.209+/-0.014 χ^2/NDF: 323283.4/48

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -495.436+/-2.370 χ^2/NDF: 2647.3/21

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

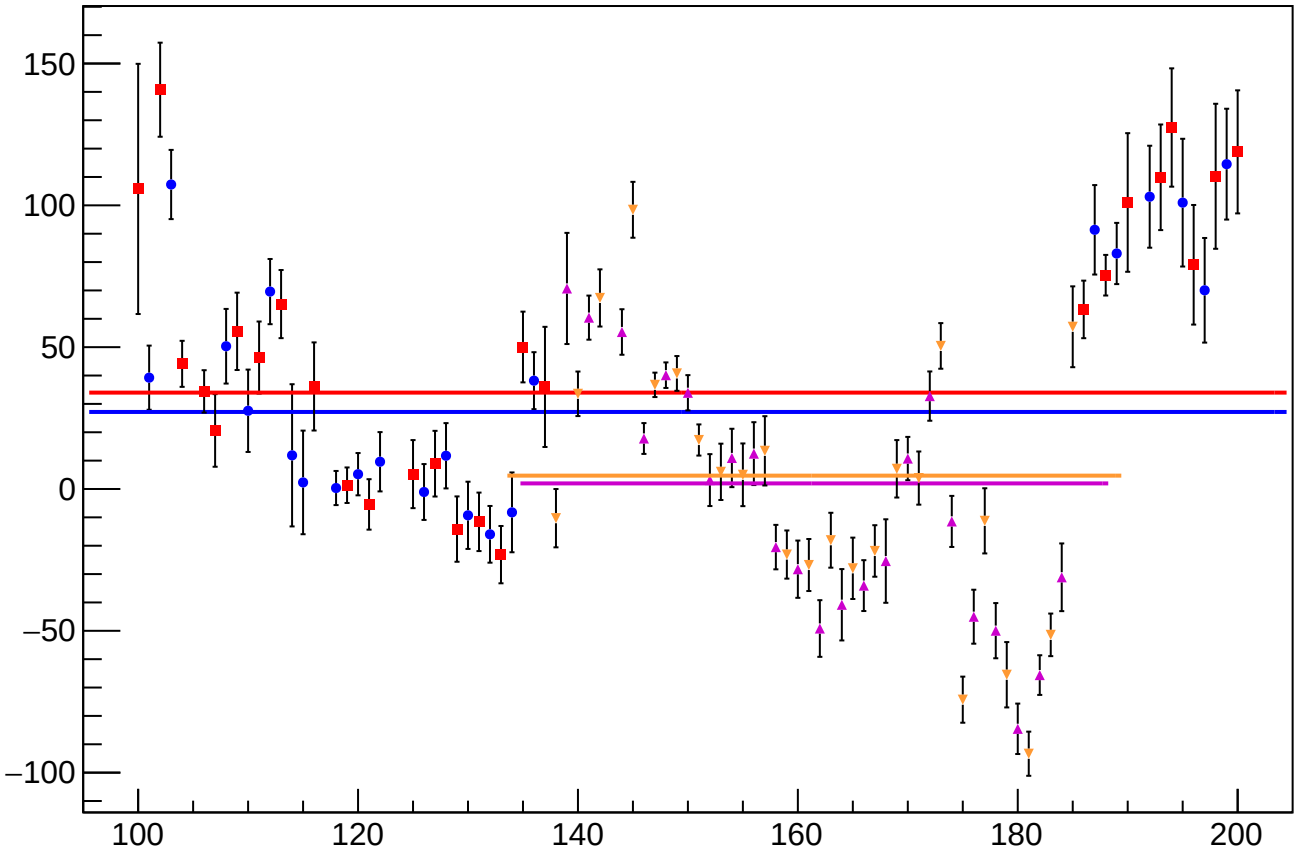
Right Out: -494.689+/-2.078 χ^2/NDF: 7632.4/25

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.551+/-1.649 χ^2/NDF: 5797.6/45

All: -496.233+/-1.127 χ^2/NDF: 16125.9/94

- sign -497.708+/-1.544 χ^2/NDF: 10326.4/48



Right In: 27.159+/-2.461 χ^2/NDF: 237.6/21

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

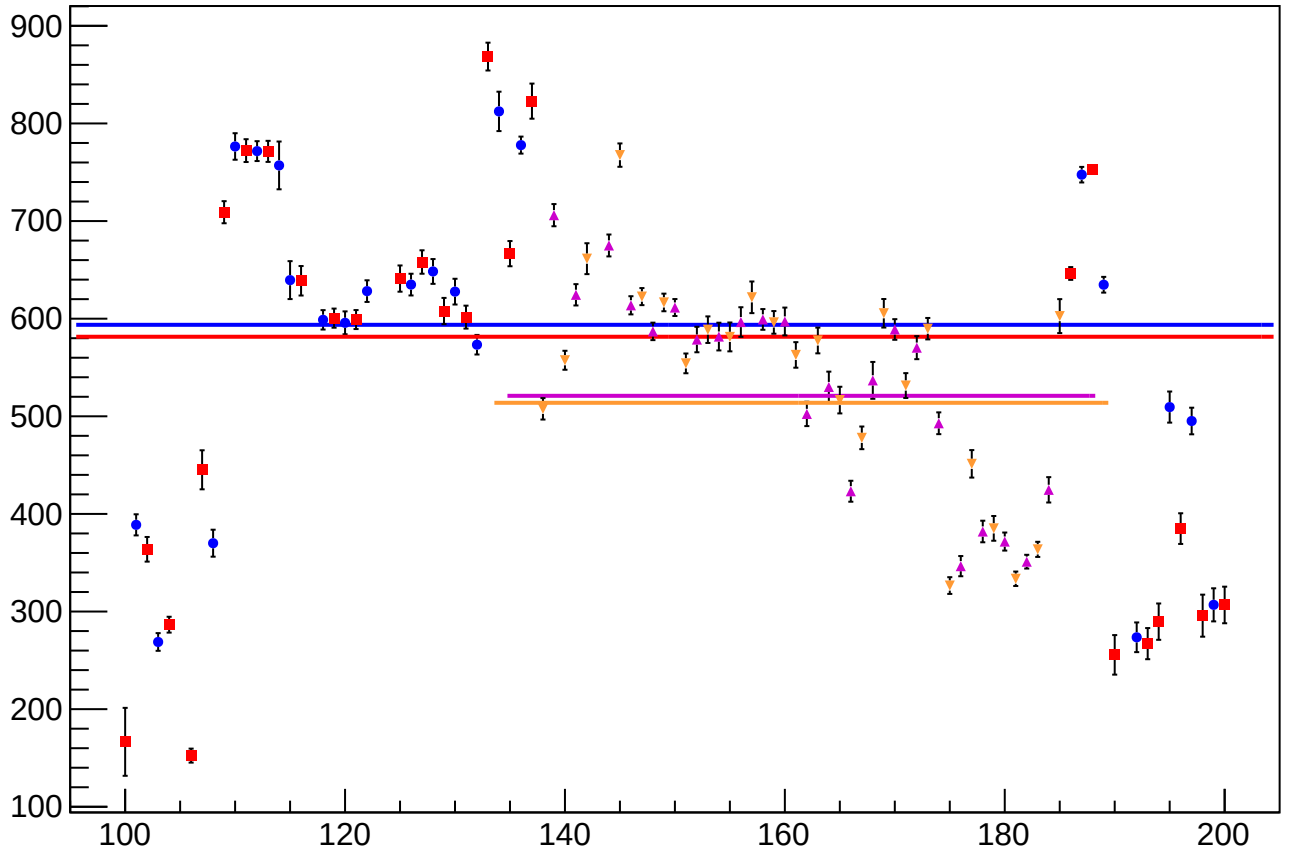
Right Out: 33.979+/-2.259 χ^2/NDF: 299.7/25

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 11.937+/-1.396 χ^2/NDF: 974.4/45

All: 12.853+/-0.978 χ^2/NDF: 1962.7/94

- sign 13.734+/-1.369 χ^2/NDF: 987.5/48



Right In: 593.721+/-2.464 χ^2/NDF: 4267.5/21

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

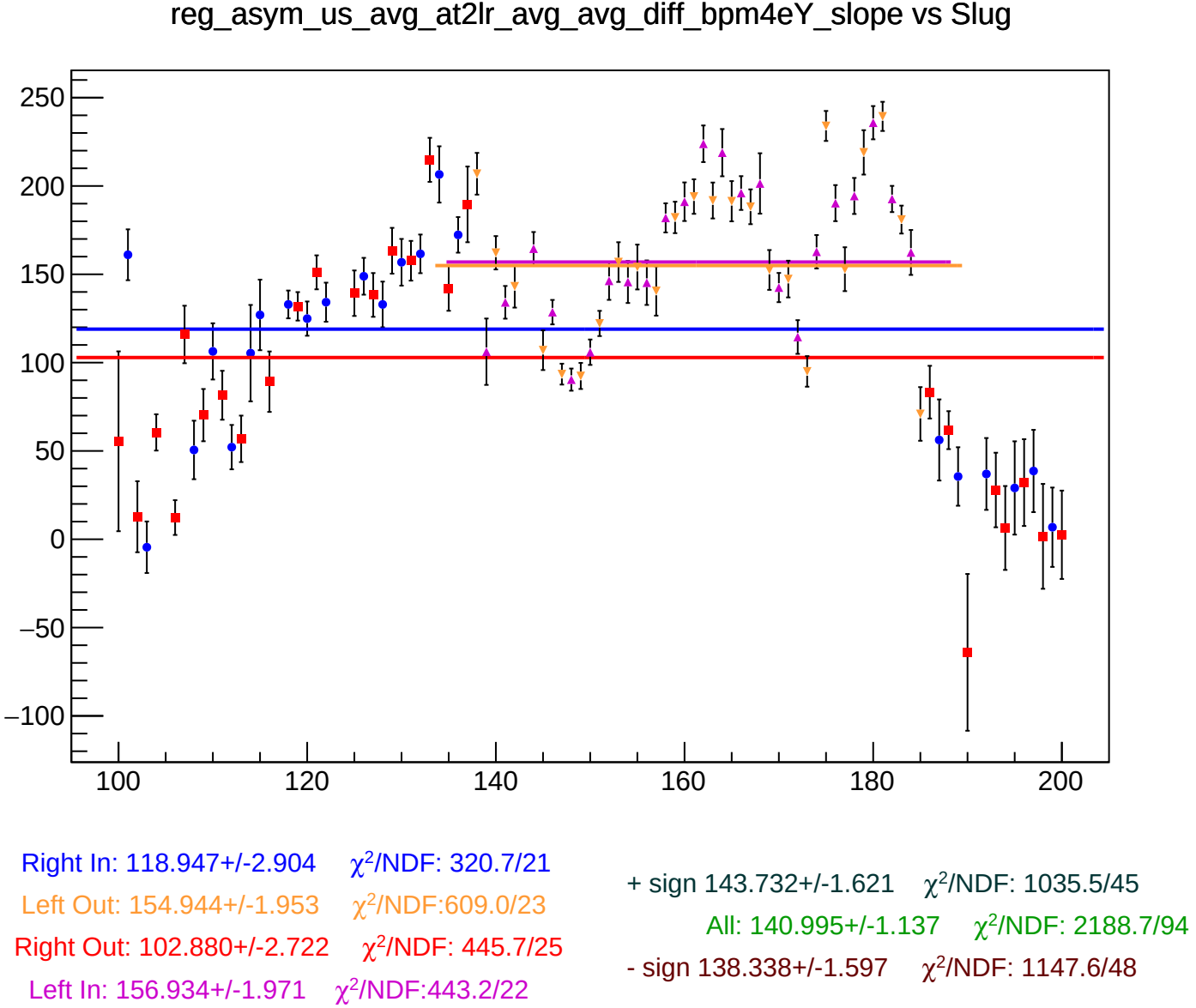
Right Out: 581.497+/-2.074 χ^2/NDF: 10052.1/25

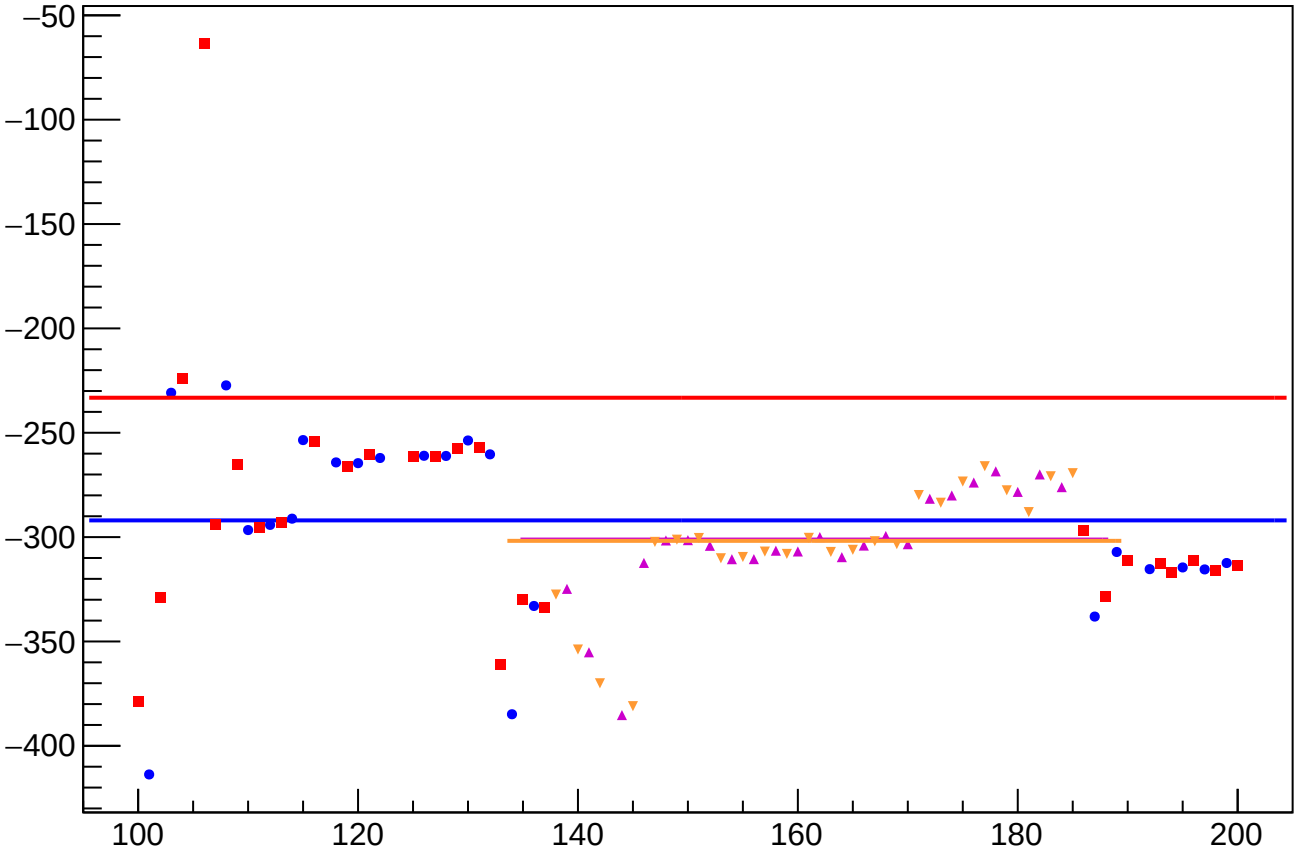
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 550.631+/-1.672 χ^2/NDF: 7570.1/45

All: 552.535+/-1.131 χ^2/NDF: 20452.1/94

- sign 554.139+/-1.535 χ^2/NDF: 12879.7/48


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 118.947+/-2.904 χ²/NDF: 320.7/21
Left Out: 154.944+/-1.953 χ²/NDF:609.0/23
Right Out: 102.880+/-2.722 χ²/NDF: 445.7/25
Left In: 156.934+/-1.971 χ²/NDF:443.2/22
+ sign 143.732+/-1.621 χ²/NDF: 1035.5/45
All: 140.995+/-1.137 χ²/NDF: 2188.7/94
- sign 138.338+/-1.597 χ²/NDF: 1147.6/48



Right In: -291.987+/-0.155 χ^2/NDF: 111638.8/21

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -233.218+/-0.130 χ^2/NDF: 661178.3/25

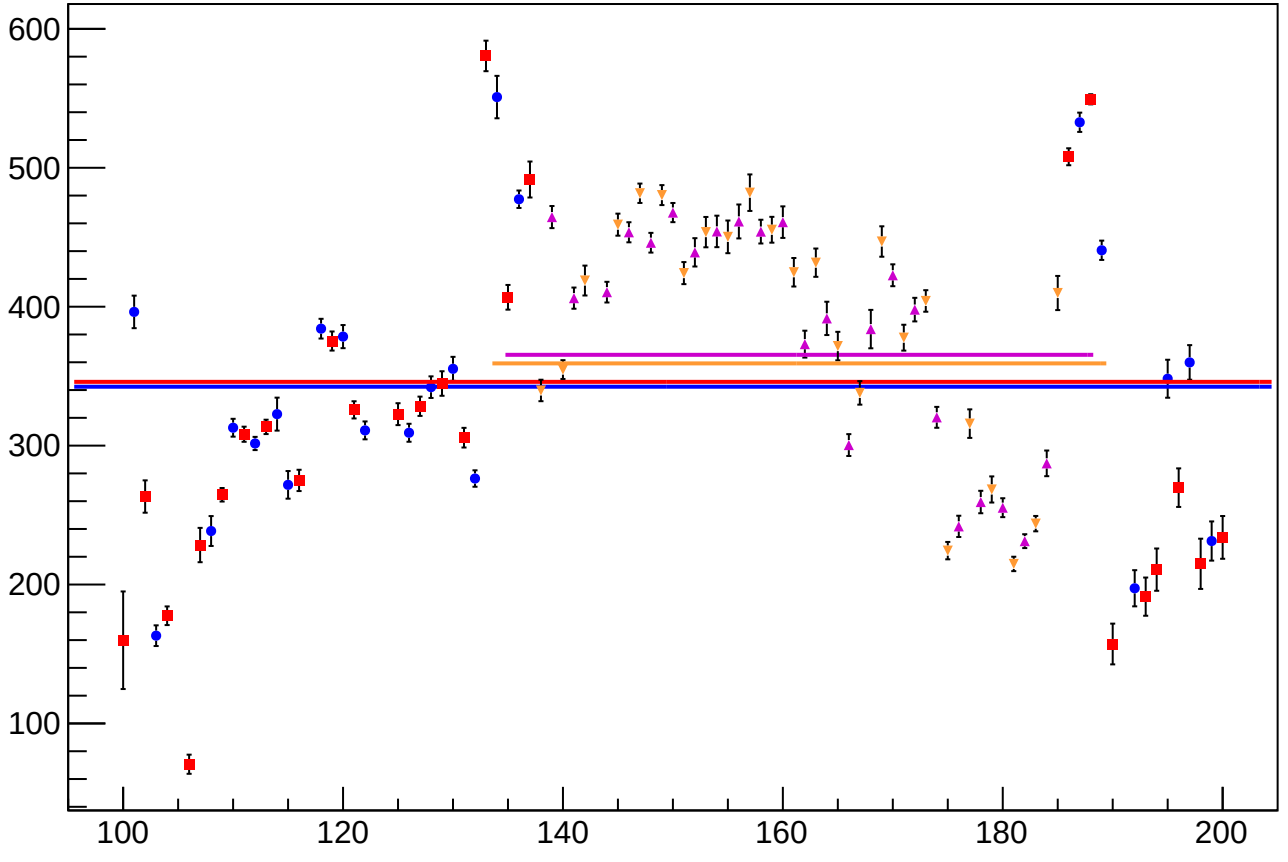
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.271+/-0.078 χ^2/NDF: 201346.9/45

All: -288.679+/-0.054 χ^2/NDF: 1156822.1/94

- sign -279.201+/-0.074 χ^2/NDF: 920783.0/48

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 342.403+/-1.680 χ^2/NDF: 2861.0/21

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

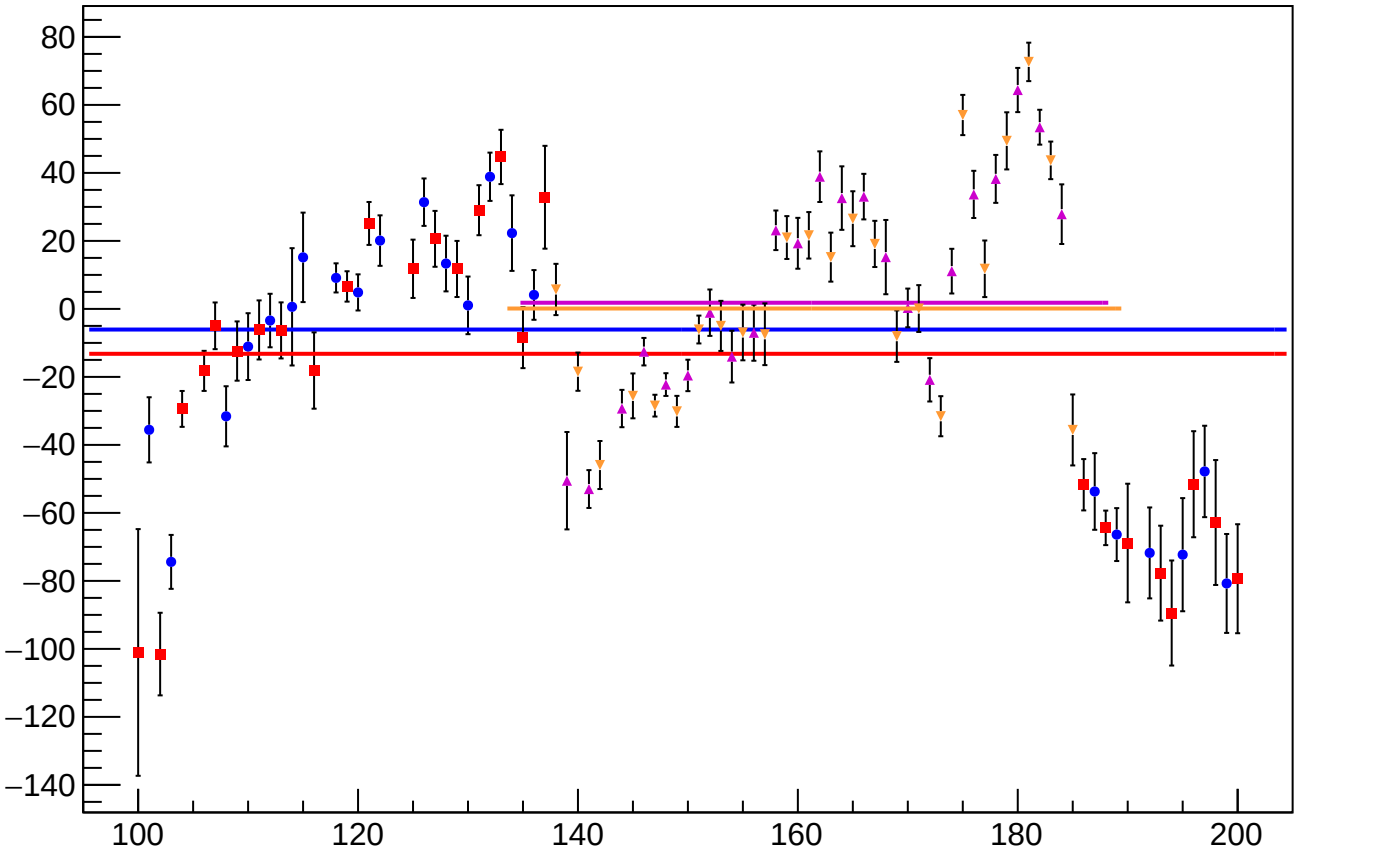
Right Out: 345.909+/-1.473 χ^2/NDF: 7870.9/25

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 350.790+/-1.188 χ^2/NDF: 6098.8/45

All: 352.659+/-0.812 χ^2/NDF: 16789.0/94

- sign 354.292+/-1.111 χ^2/NDF: 10685.6/48



Right In: -6.070+/-1.759 χ^2/NDF: 361.9/21

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

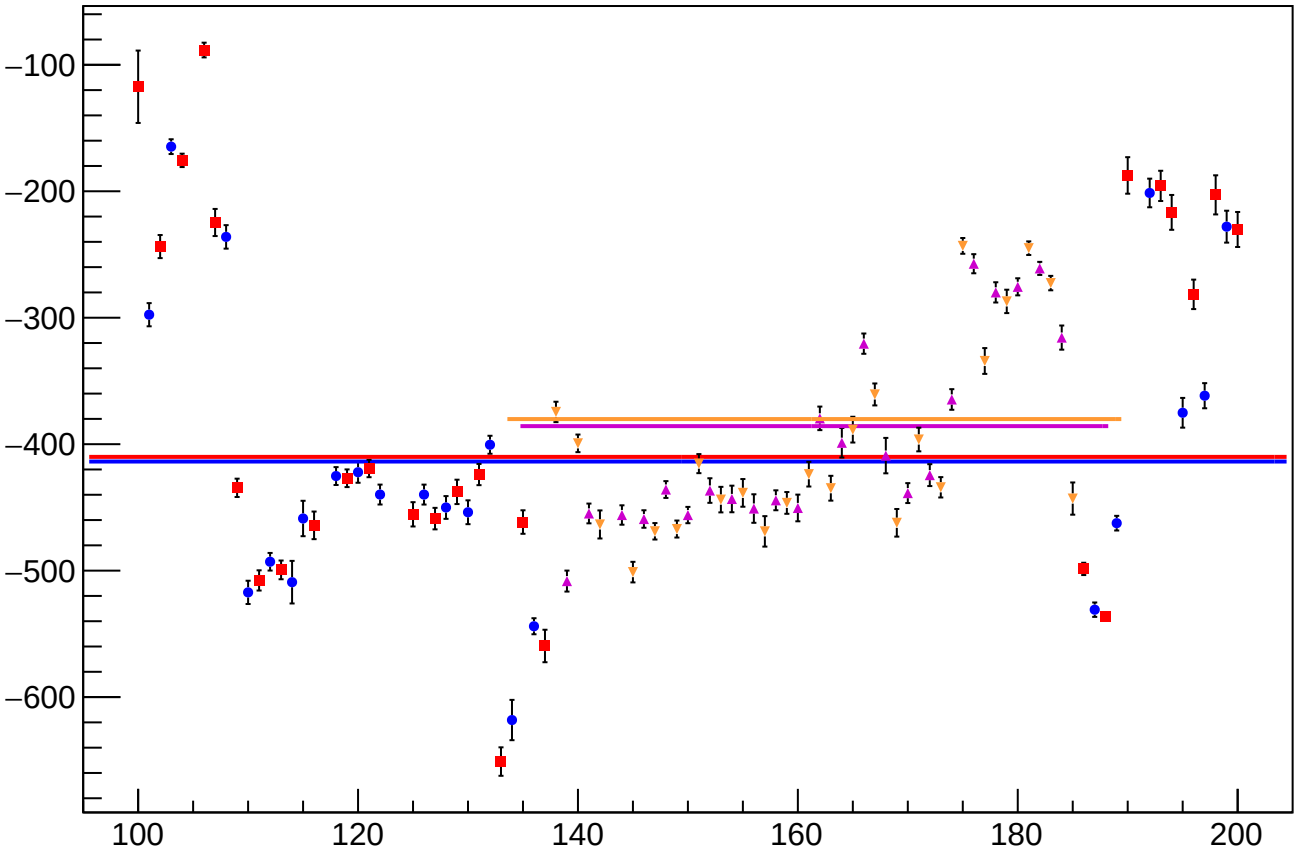
Right Out: -13.206+/-1.598 χ^2/NDF: 472.2/25

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -1.954+/-1.017 χ^2/NDF: 1008.1/45

All: -2.994+/-0.710 χ^2/NDF: 2113.6/94

\- sign -3.985+/-0.993 χ^2/NDF: 1103.5/48



Right In: -413.718+/-1.755 χ^2/NDF: 4389.8/21

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

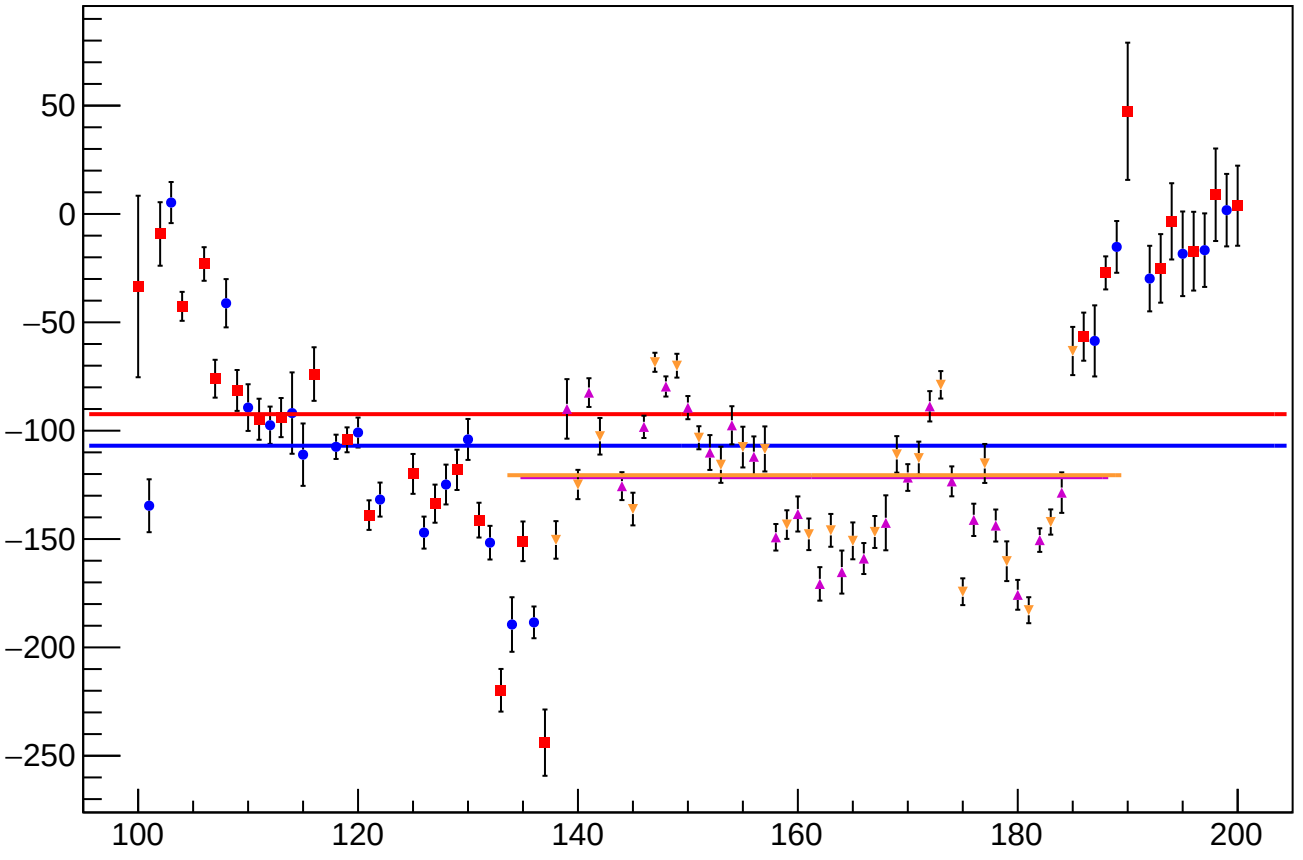
Right Out: -410.043+/-1.478 χ^2/NDF: 10191.4/25

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -396.092+/-1.210 χ^2/NDF: 7200.4/45

All: -397.893+/-0.817 χ^2/NDF: 19875.5/94

- sign -399.407+/-1.109 χ^2/NDF: 12671.0/48



Right In: -106.936+/-2.074 χ^2/NDF: 613.7/21

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

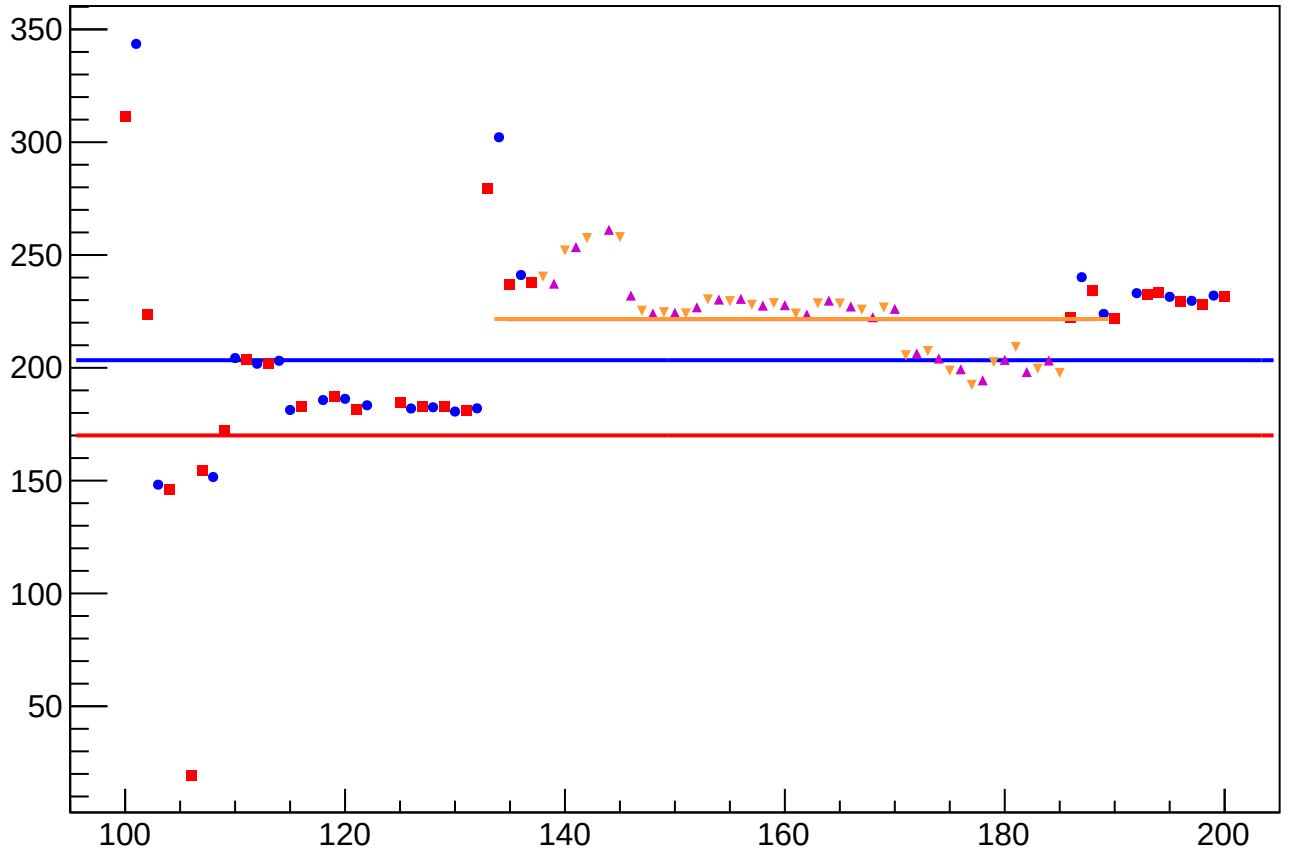
Right Out: -92.372+/-1.923 χ^2/NDF: 823.6/25

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -116.136+/-1.180 χ^2/NDF: 1254.3/45

All: -113.474+/-0.826 χ^2/NDF: 2666.4/94

- sign -110.914+/-1.158 χ^2/NDF: 1402.1/48



Right In: 203.368+/-0.110 χ^2/NDF: 195647.4/21

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

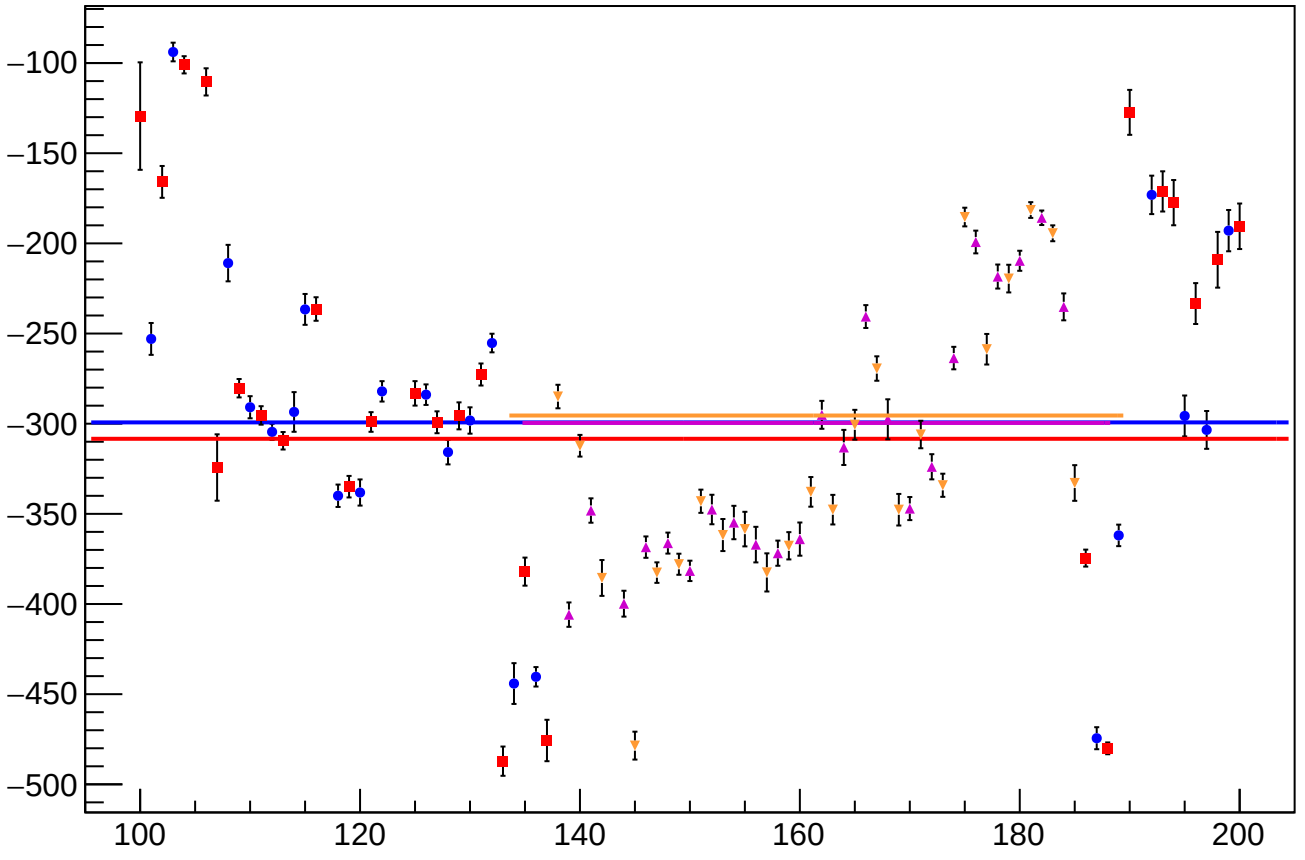
Right Out: 170.040+/-0.096 χ^2/NDF: 625883.3/25

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.720+/-0.057 χ^2/NDF: 283142.9/45

All: 210.603+/-0.039 χ^2/NDF: 1188064.1/94

- sign 204.999+/-0.055 χ^2/NDF: 882837.9/48



Right In: -299.281+/-1.453 χ^2/NDF: 3909.9/21

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -308.374+/-1.299 χ^2/NDF: 7473.6/25

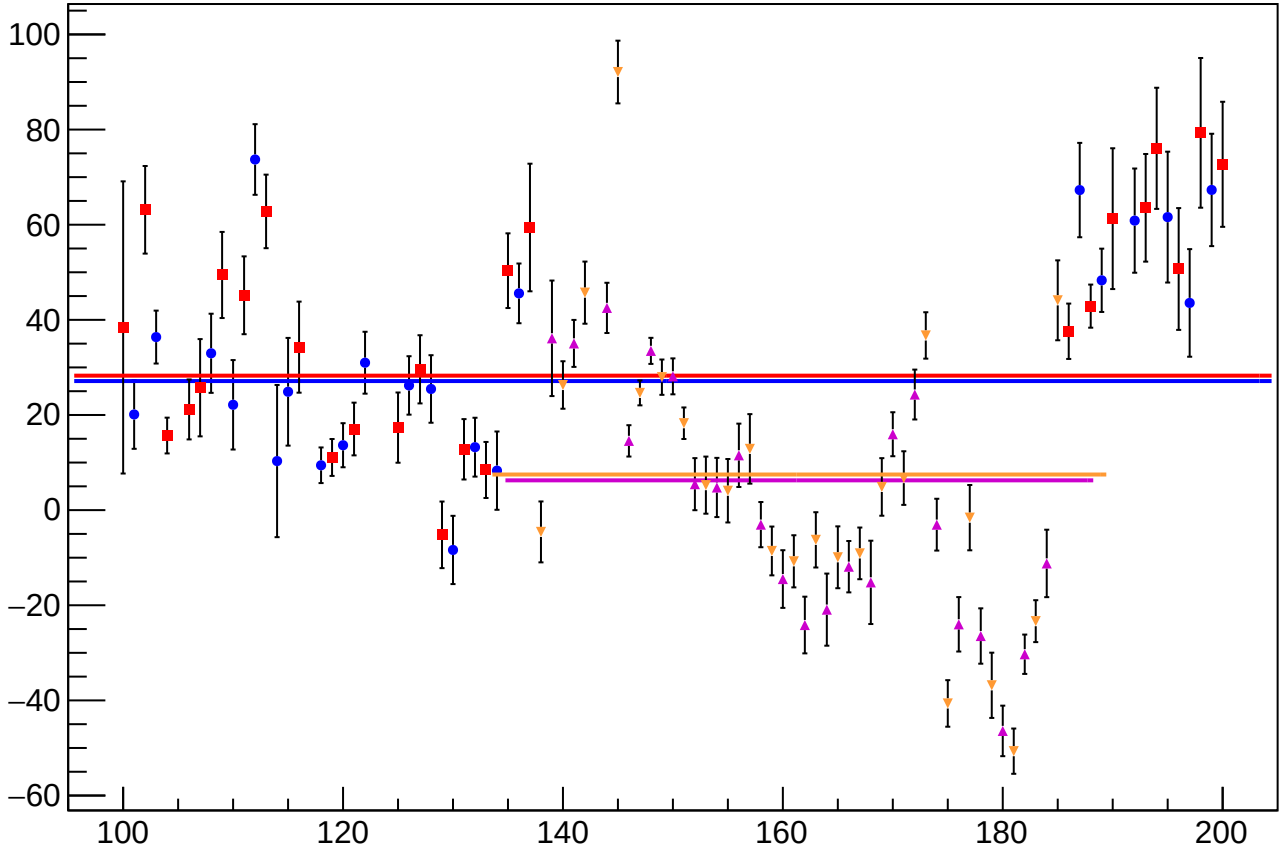
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -297.291+/-1.006 χ^2/NDF: 7259.8/45

All: -300.990+/-0.691 χ^2/NDF: 17752.0/94

- sign -304.300+/-0.951 χ^2/NDF: 10466.6/48

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.132+/-1.504 χ^2/NDF: 175.6/21

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 28.268+/-1.389 χ^2/NDF: 203.2/25

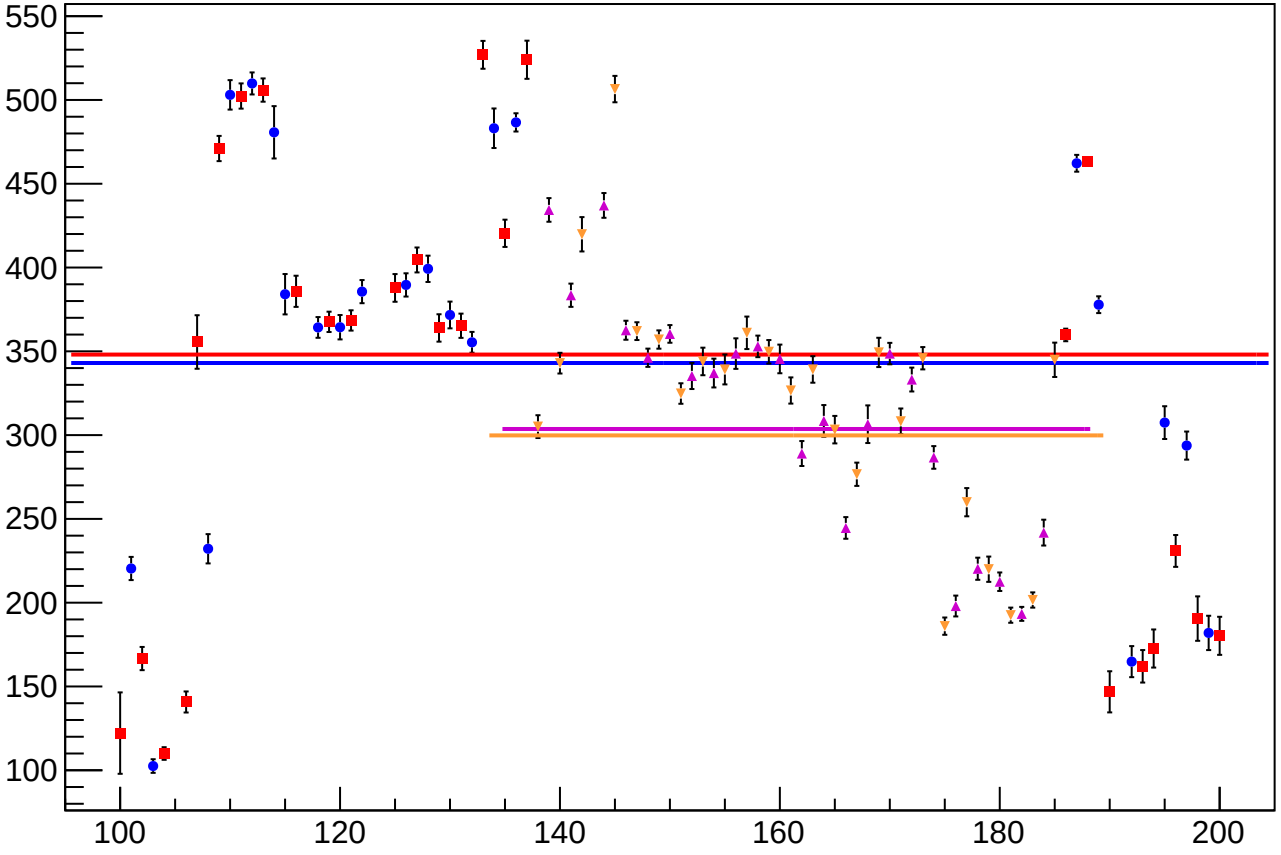
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.754+/-0.850 χ^2/NDF: 1030.2/45

All: 13.989+/-0.596 χ^2/NDF: 1953.4/94

- sign 14.216+/-0.835 χ^2/NDF: 923.0/48

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 343.032+/-1.486 χ^2/NDF: 7326.6/21

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 348.060+/-1.277 χ^2/NDF: 11275.7/25

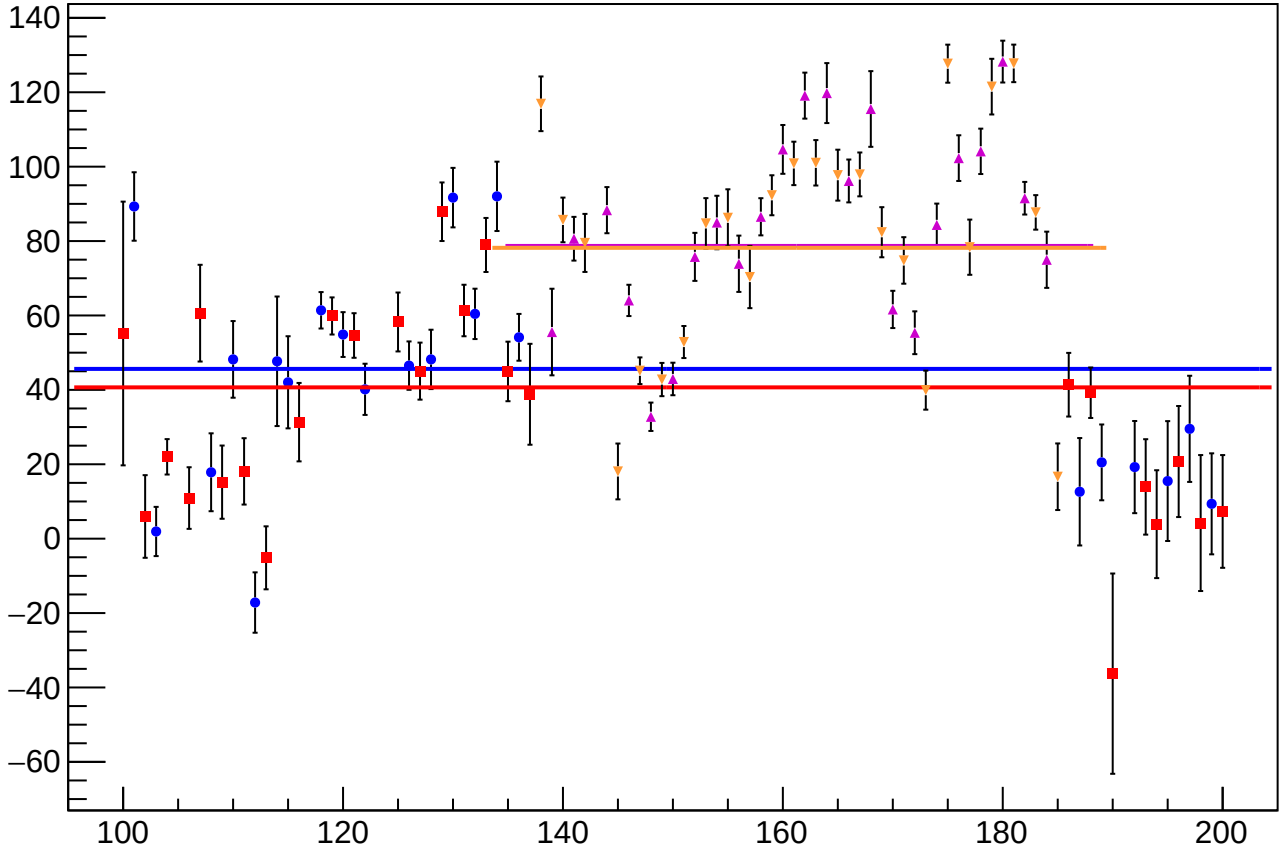
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 319.845+/-1.012 χ^2/NDF: 10856.3/45

All: 324.020+/-0.688 χ^2/NDF: 25592.8/94

- sign 327.611+/-0.938 χ^2/NDF: 14704.9/48

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 45.636+/-1.775 χ^2/NDF: 239.0/21

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

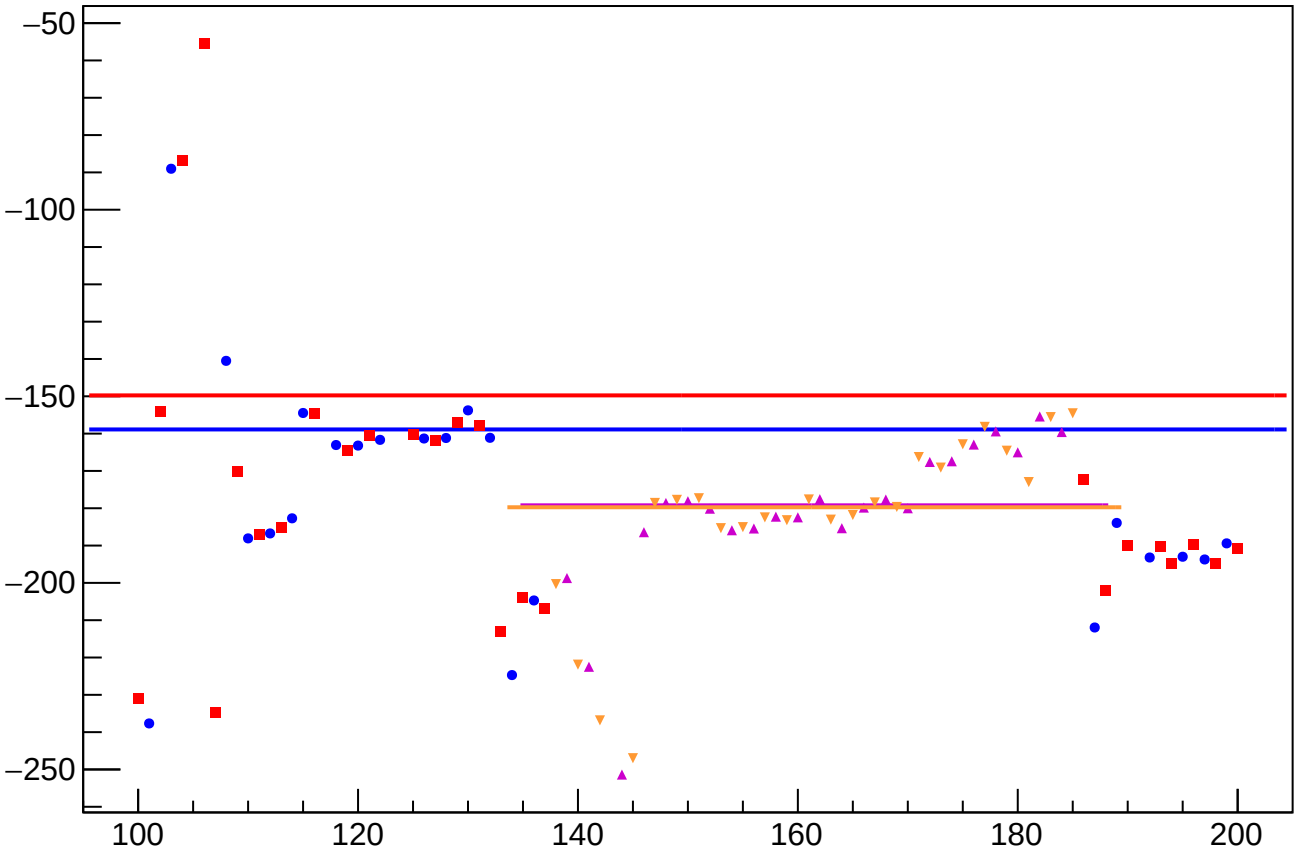
Right Out: 40.671+/-1.674 χ^2/NDF: 211.8/25

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.154+/-0.985 χ^2/NDF: 1134.9/45

All: 66.991+/-0.692 χ^2/NDF: 2179.7/94

- sign 65.859+/-0.973 χ^2/NDF: 1042.1/48



Right In: -158.883+/-0.089 χ^2/NDF: 295524.7/21

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

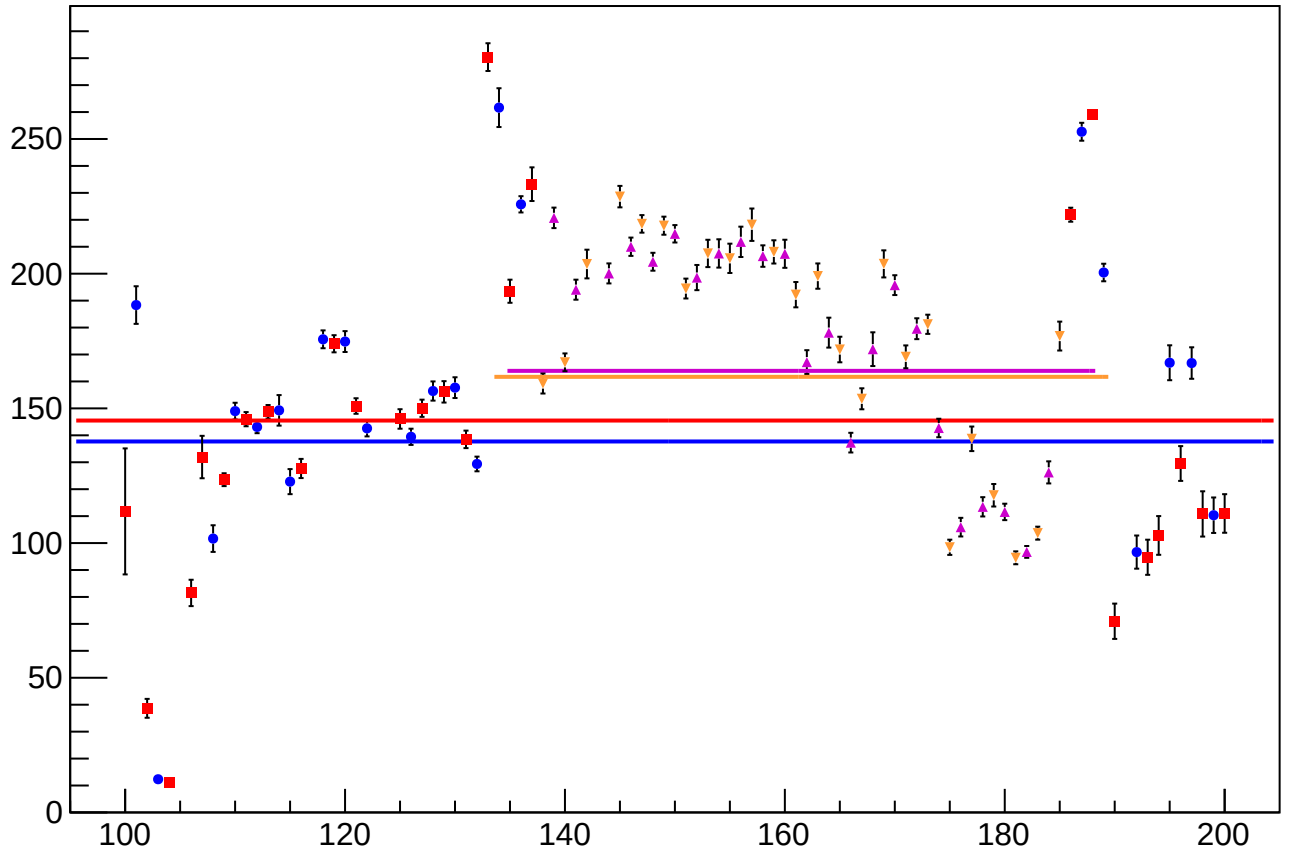
Right Out: -149.758+/-0.083 χ^2/NDF: 407243.8/25

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.989+/-0.047 χ^2/NDF: 467361.0/45

All: -172.154+/-0.033 χ^2/NDF: 1078473.3/94

- sign -170.409+/-0.046 χ^2/NDF: 608112.3/48



Right In: 137.714+/-0.744 χ^2/NDF: 8008.2/21

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

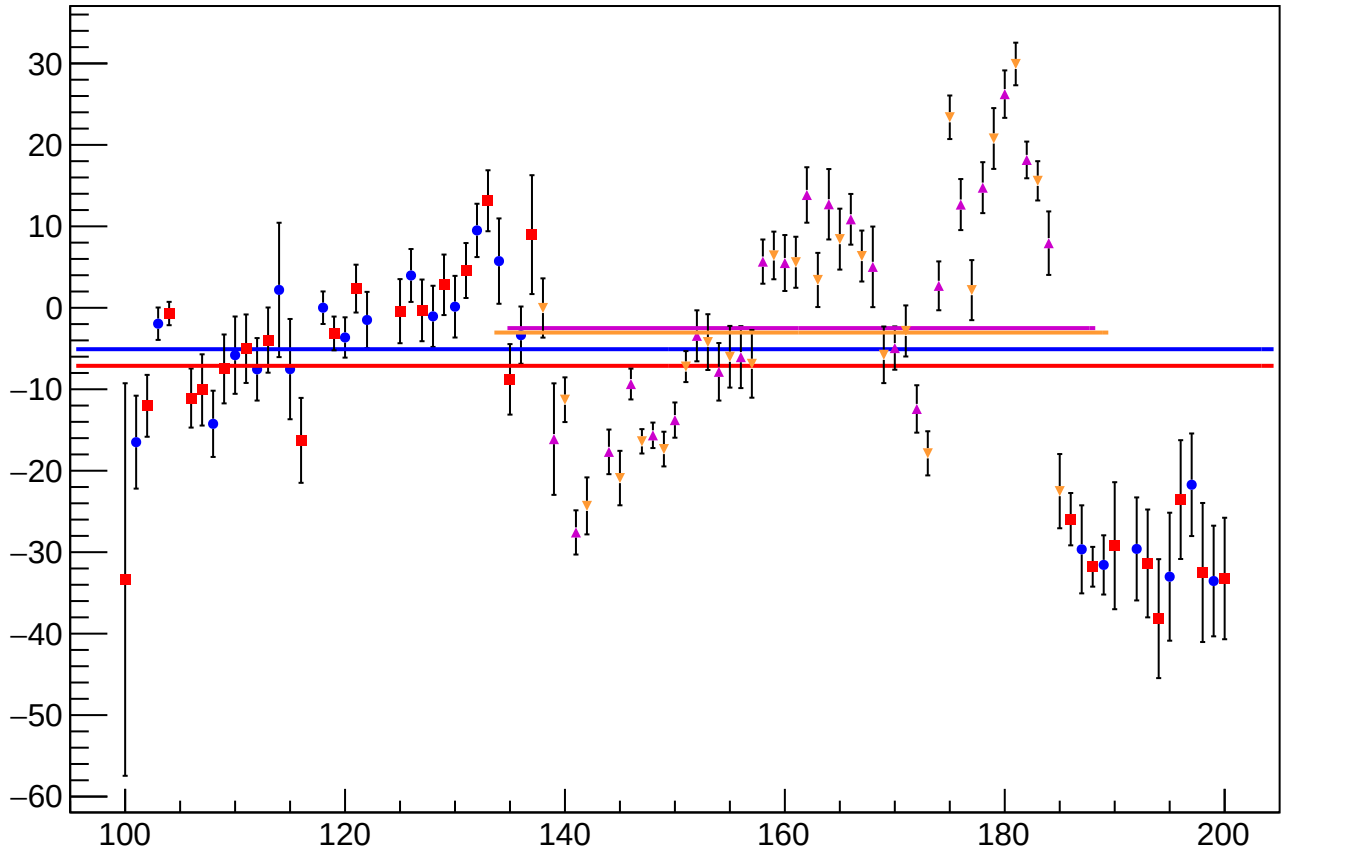
Right Out: 145.485+/-0.665 χ^2/NDF: 13053.1/25

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.197+/-0.537 χ^2/NDF: 12093.7/45

All: 151.347+/-0.368 χ^2/NDF: 28836.7/94

- sign 153.253+/-0.506 χ^2/NDF: 16712.8/48



Right In: -5.081+/-0.781 χ^2/NDF: 182.0/21

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

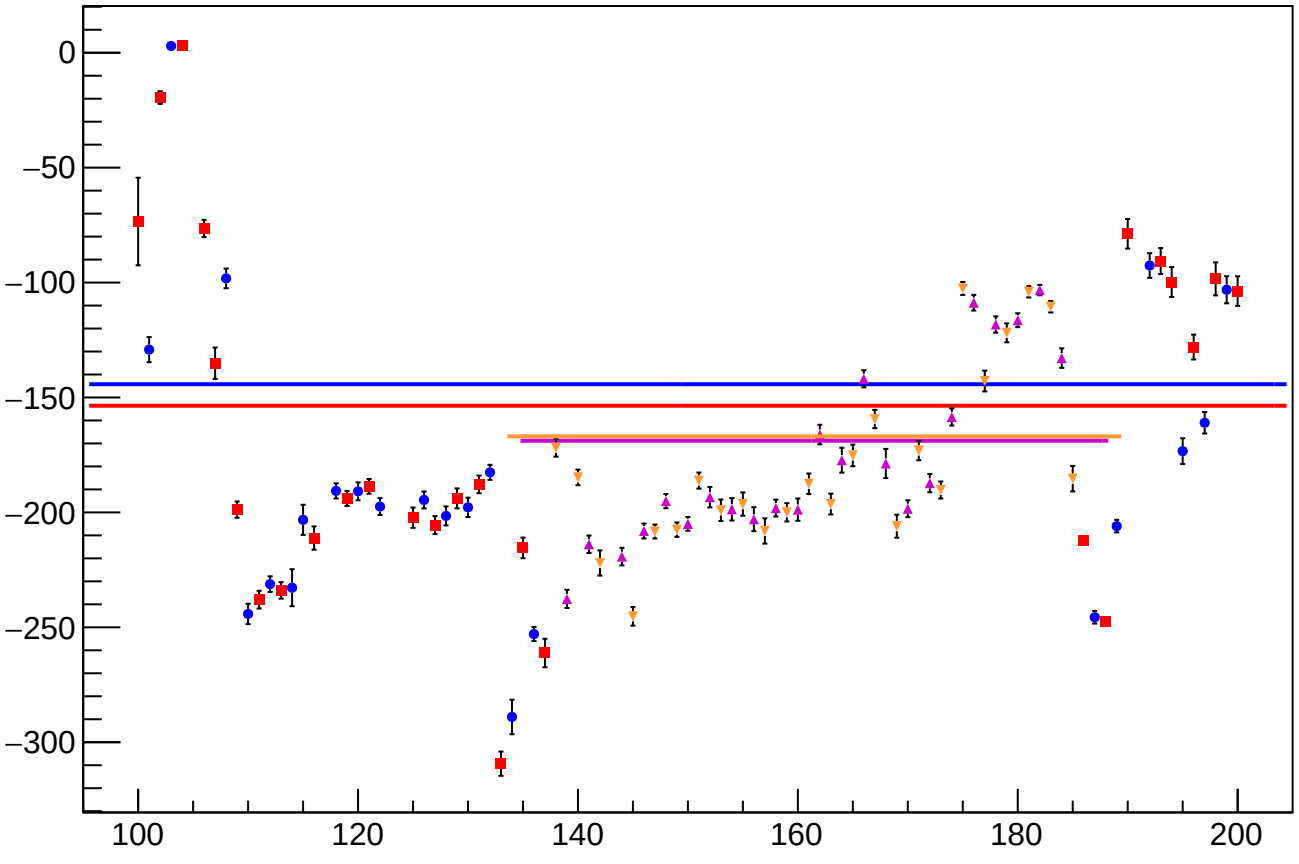
Right Out: -7.123+/-0.697 χ^2/NDF: 304.4/25

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -3.762+/-0.465 χ^2/NDF: 840.9/45

All: -4.099+/-0.323 χ^2/NDF: 1735.1/94

- sign -4.413+/-0.449 χ^2/NDF: 893.2/48



Right In: -144.240+/-0.744 χ^2/NDF: 17062.0/21

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

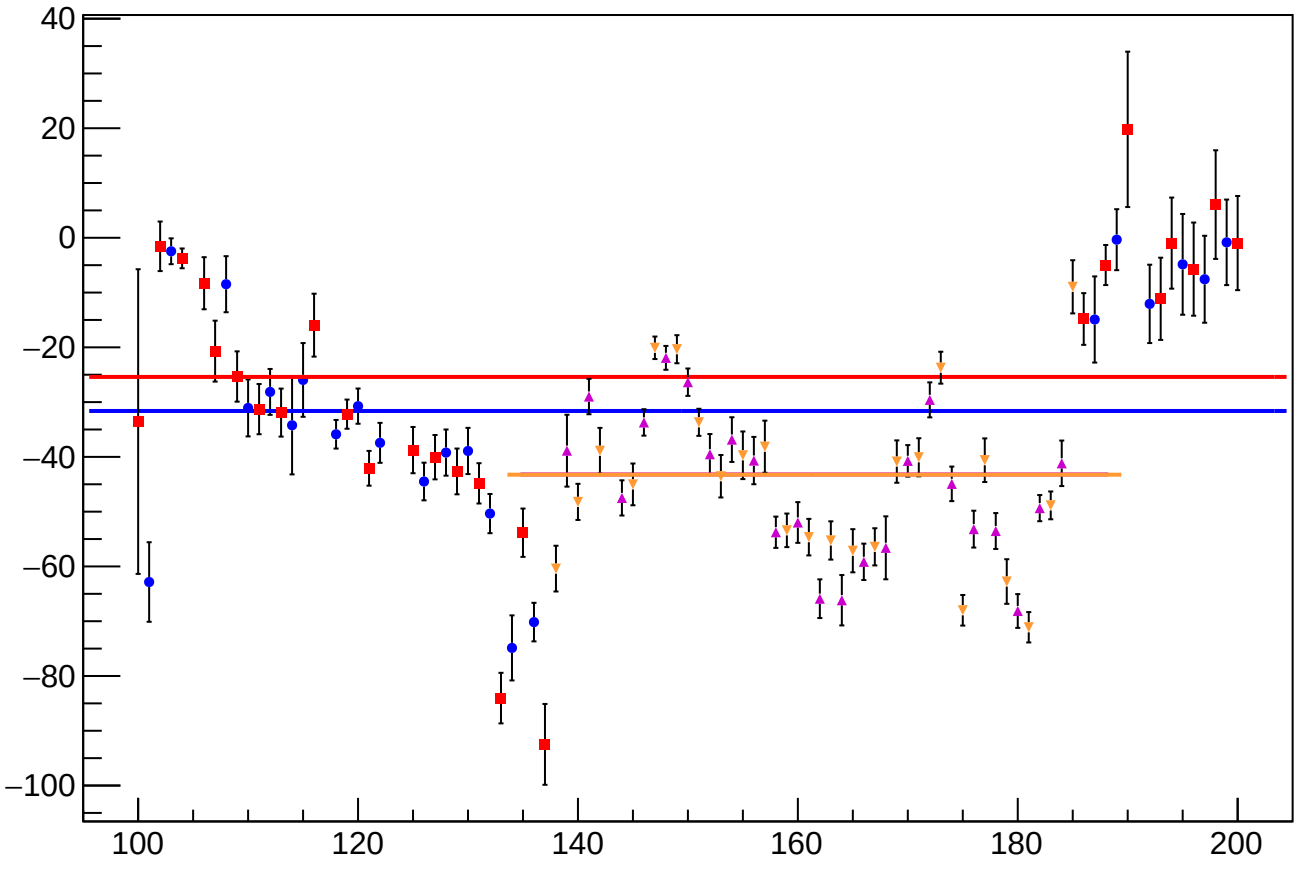
Right Out: -153.582+/-0.645 χ^2/NDF: 23646.0/25

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.177+/-0.535 χ^2/NDF: 20606.0/45

All: -157.690+/-0.364 χ^2/NDF: 47581.4/94

- sign -159.840+/-0.495 χ^2/NDF: 26934.5/48



Right In: -31.618+/-0.921 χ^2/NDF: 495.7/21

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

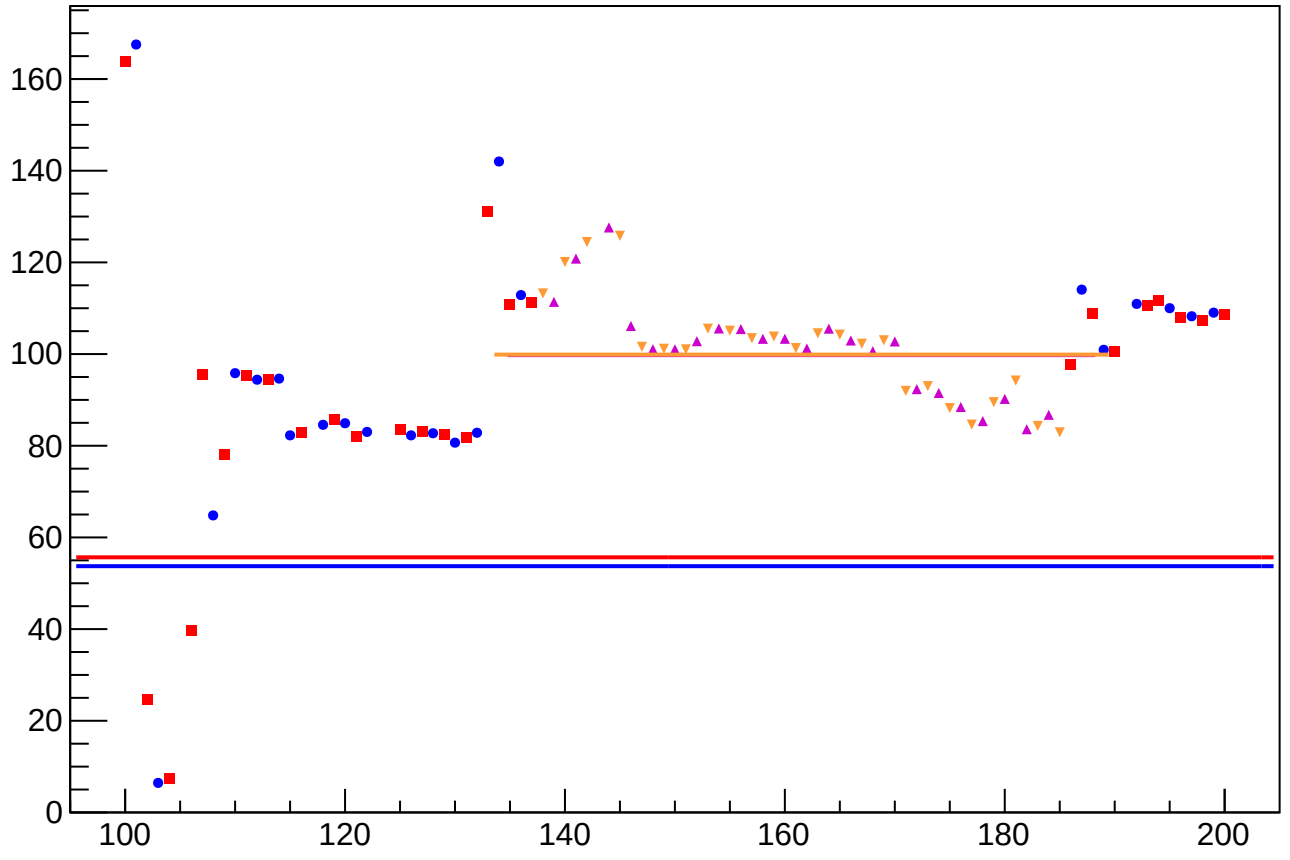
Right Out: -25.400+/-0.842 χ^2/NDF: 661.7/25

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -39.270+/-0.539 χ^2/NDF: 1210.9/45

All: -37.747+/-0.376 χ^2/NDF: 2567.8/94

\- sign -36.304+/-0.524 χ^2/NDF: 1341.3/48



Right In: 53.727+/-0.041 χ^2/NDF: 1386117.3/21

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

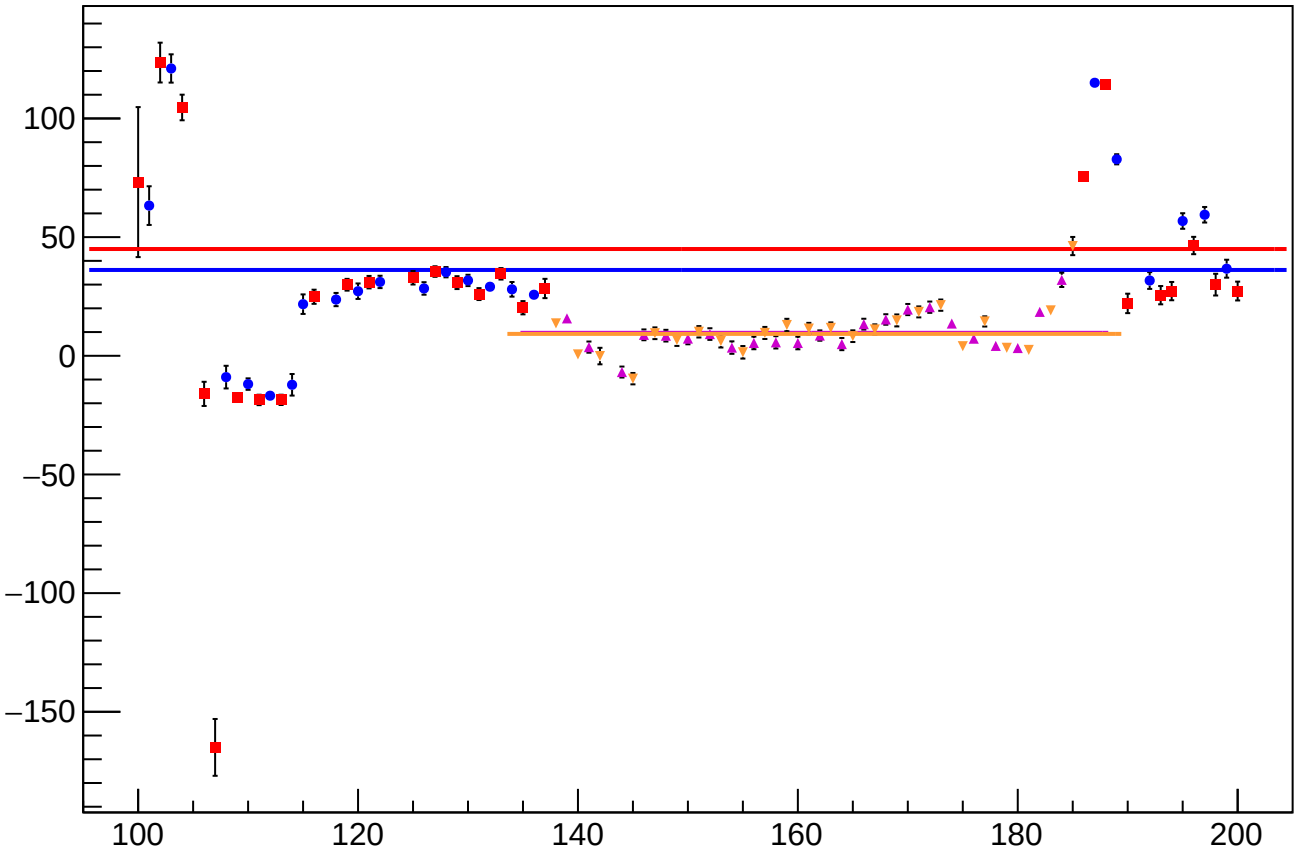
Right Out: 55.662+/-0.040 χ^2/NDF: 1211804.5/25

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.507+/-0.025 χ^2/NDF: 2308024.2/45

All: 83.624+/-0.017 χ^2/NDF: 4390909.5/94

- sign 83.738+/-0.024 χ^2/NDF: 2082841.2/48



Right In: 36.166+/-0.584 χ^2/NDF: 3740.3/21

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

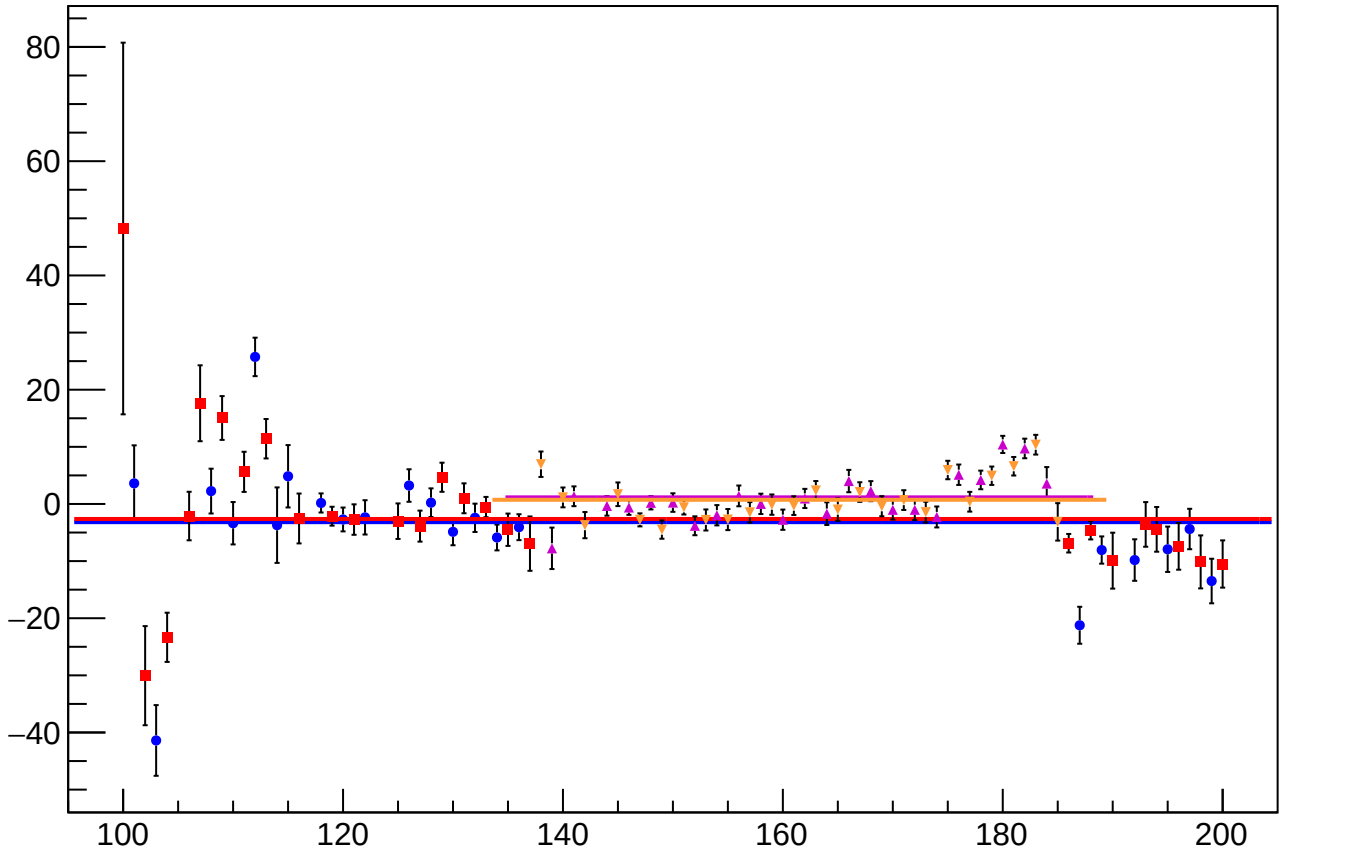
Right Out: 44.994+/-0.510 χ^2/NDF: 7810.0/25

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 19.433+/-0.360 χ^2/NDF: 5387.4/45

All: 22.664+/-0.248 χ^2/NDF: 16228.0/94

- sign 25.596+/-0.343 χ^2/NDF: 10686.7/48



Right In: -3.184+/-0.620 χ^2/NDF: 177.5/21

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

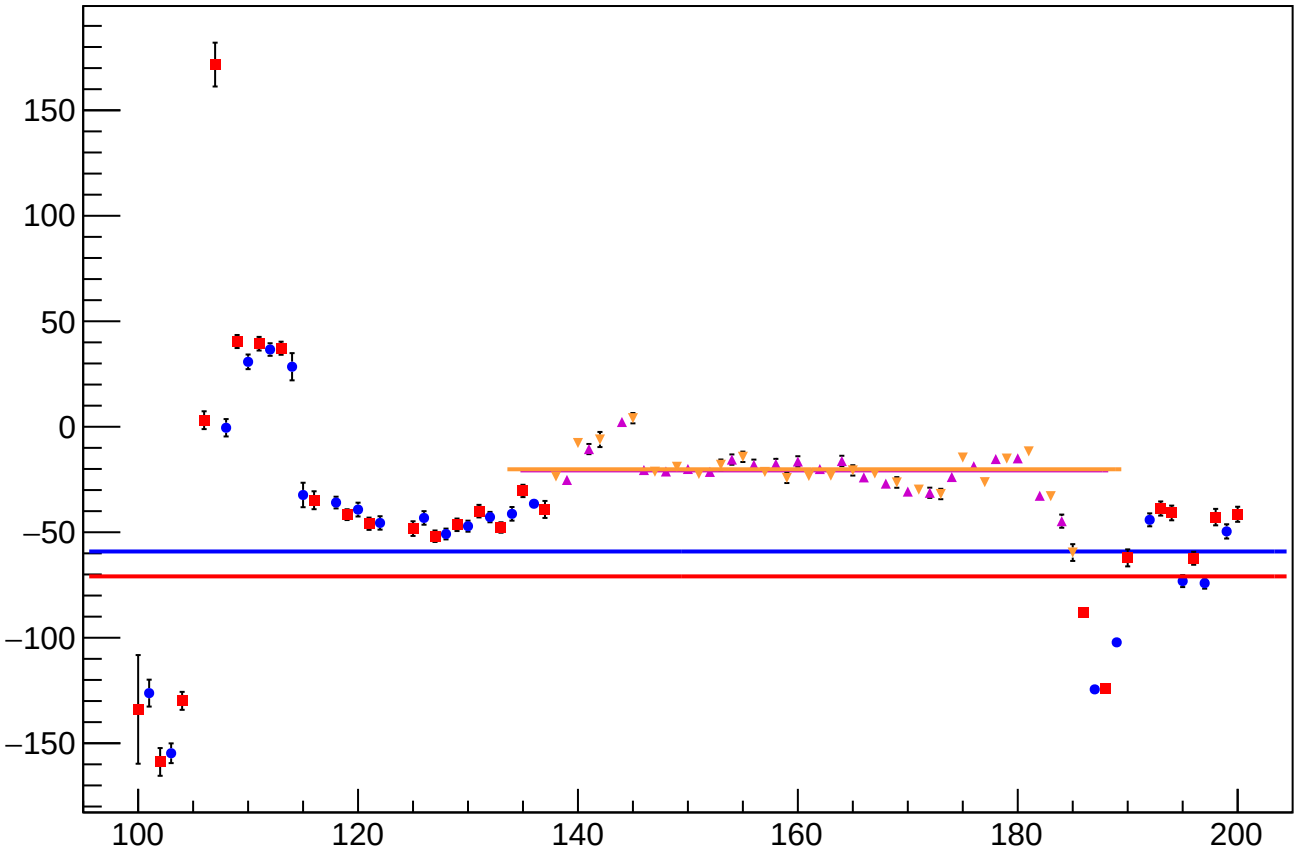
Right Out: -2.625+/-0.571 χ^2/NDF: 119.8/25

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.214+/-0.304 χ^2/NDF: 317.4/45

All: -0.060+/-0.215 χ^2/NDF: 579.7/94

\- sign 0.092+/-0.303 χ^2/NDF: 261.7/48



Right In: -59.112+/-0.601 χ^2/NDF: 5309.9/21

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

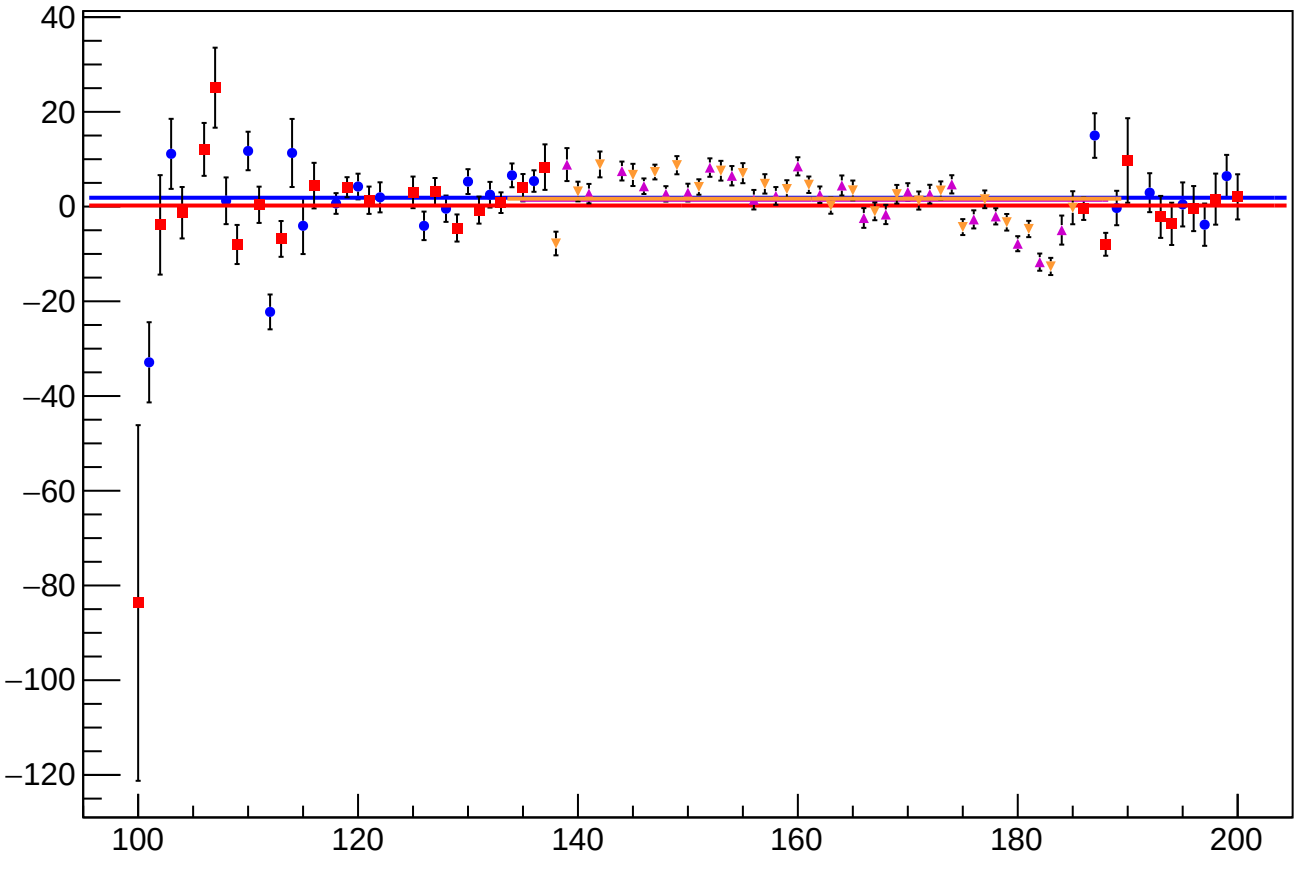
Right Out: -70.916+/-0.495 χ^2/NDF: 9576.7/25

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -34.258+/-0.361 χ^2/NDF: 8415.4/45

All: -39.396+/-0.246 χ^2/NDF: 24233.8/94

\- sign -43.838+/-0.336 χ^2/NDF: 15441.4/48



Right In: 1.864+/-0.725 χ^2/NDF: 94.3/21

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

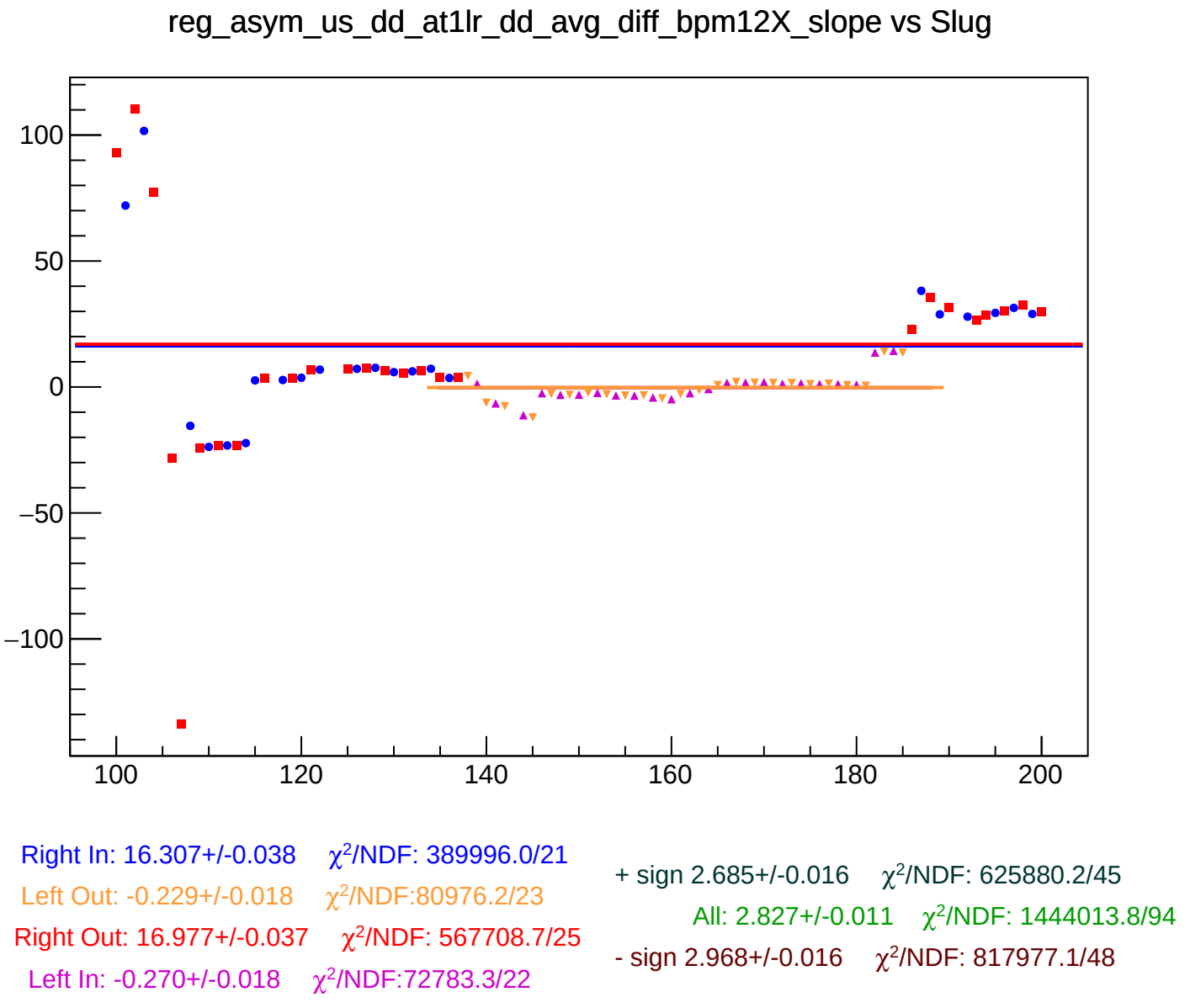
Right Out: 0.220+/-0.693 χ^2/NDF: 53.2/25

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

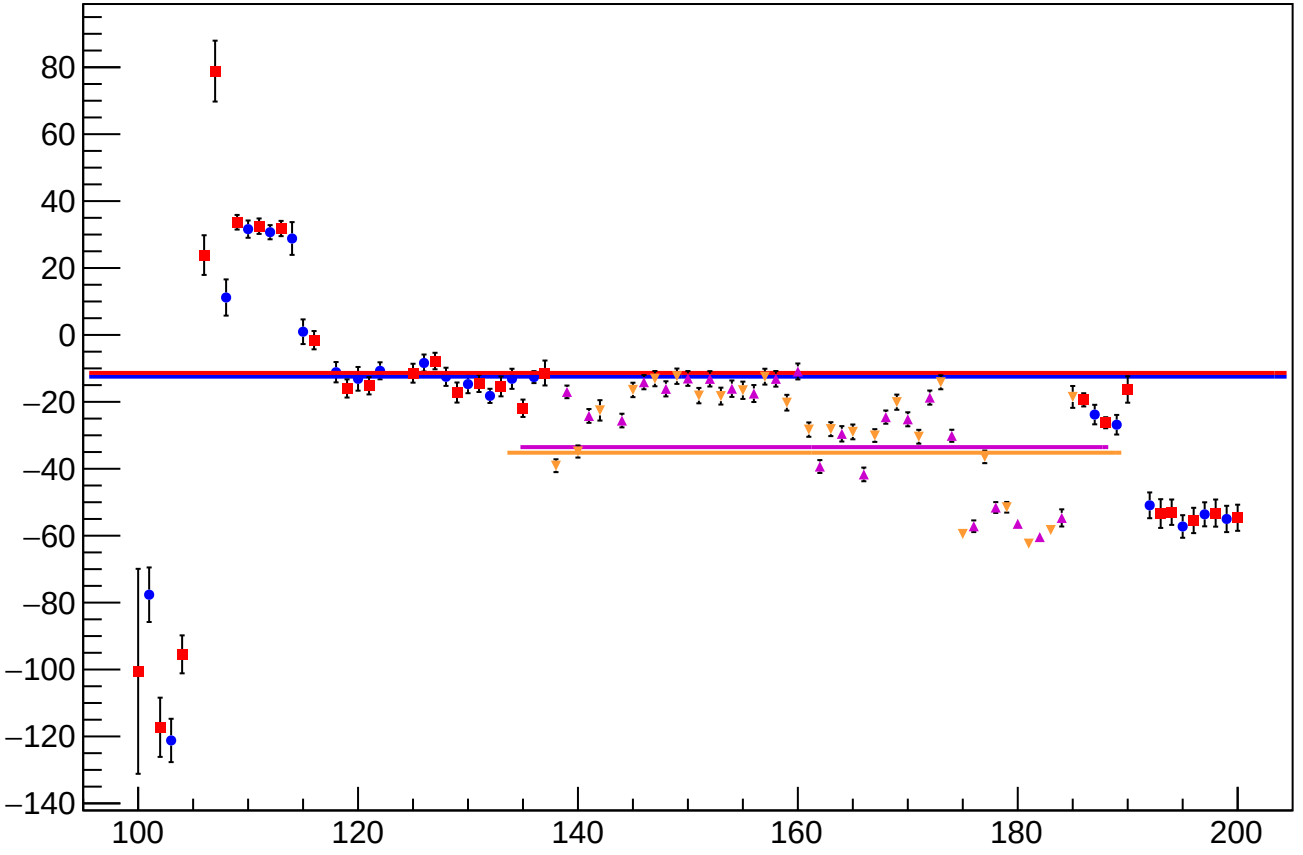
+ sign 1.715+/-0.347 χ^2/NDF: 272.4/45

All: 1.420+/-0.246 χ^2/NDF: 492.1/94

- sign 1.123+/-0.348 χ^2/NDF: 218.3/48


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 16.307+/-0.038 χ²/NDF: 389996.0/21
Left Out: -0.229+/-0.018 χ²/NDF:80976.2/23
Right Out: 16.977+/-0.037 χ²/NDF: 567708.7/25
Left In: -0.270+/-0.018 χ²/NDF:72783.3/22
+ sign 2.685+/-0.016 χ²/NDF: 625880.2/45
All: 2.827+/-0.011 χ²/NDF: 1444013.8/94
- sign 2.968+/-0.016 χ²/NDF: 817977.1/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -12.467+/-0.632 χ^2/NDF: 1730.0/21

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

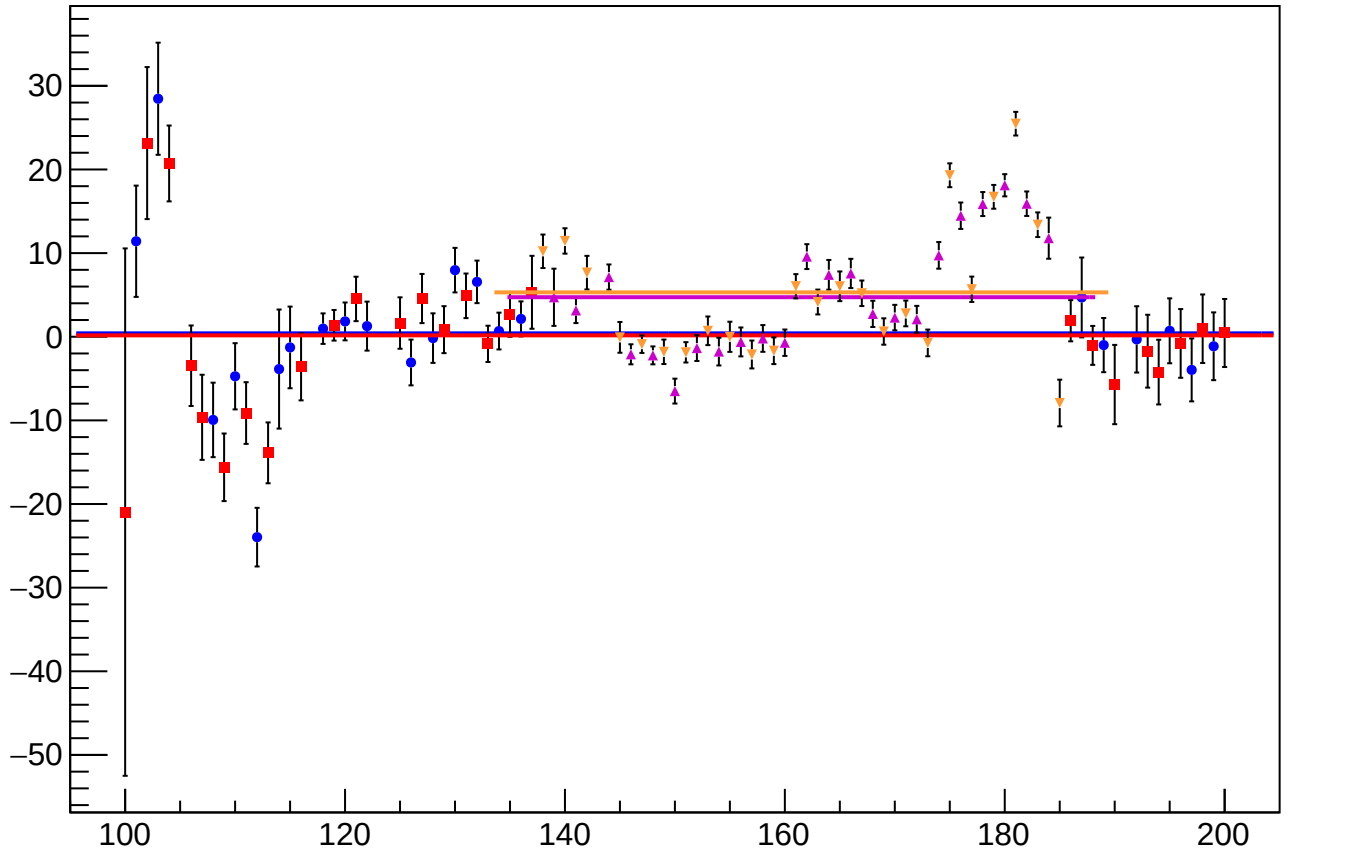
Right Out: -11.355+/-0.579 χ^2/NDF: 2371.8/25

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.505+/-0.343 χ^2/NDF: 4494.5/45

All: -27.245+/-0.240 χ^2/NDF: 9670.5/94

- sign -26.030+/-0.337 χ^2/NDF: 5149.5/48



Right In: 0.405+/-0.660 χ^2/NDF: 95.5/21

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

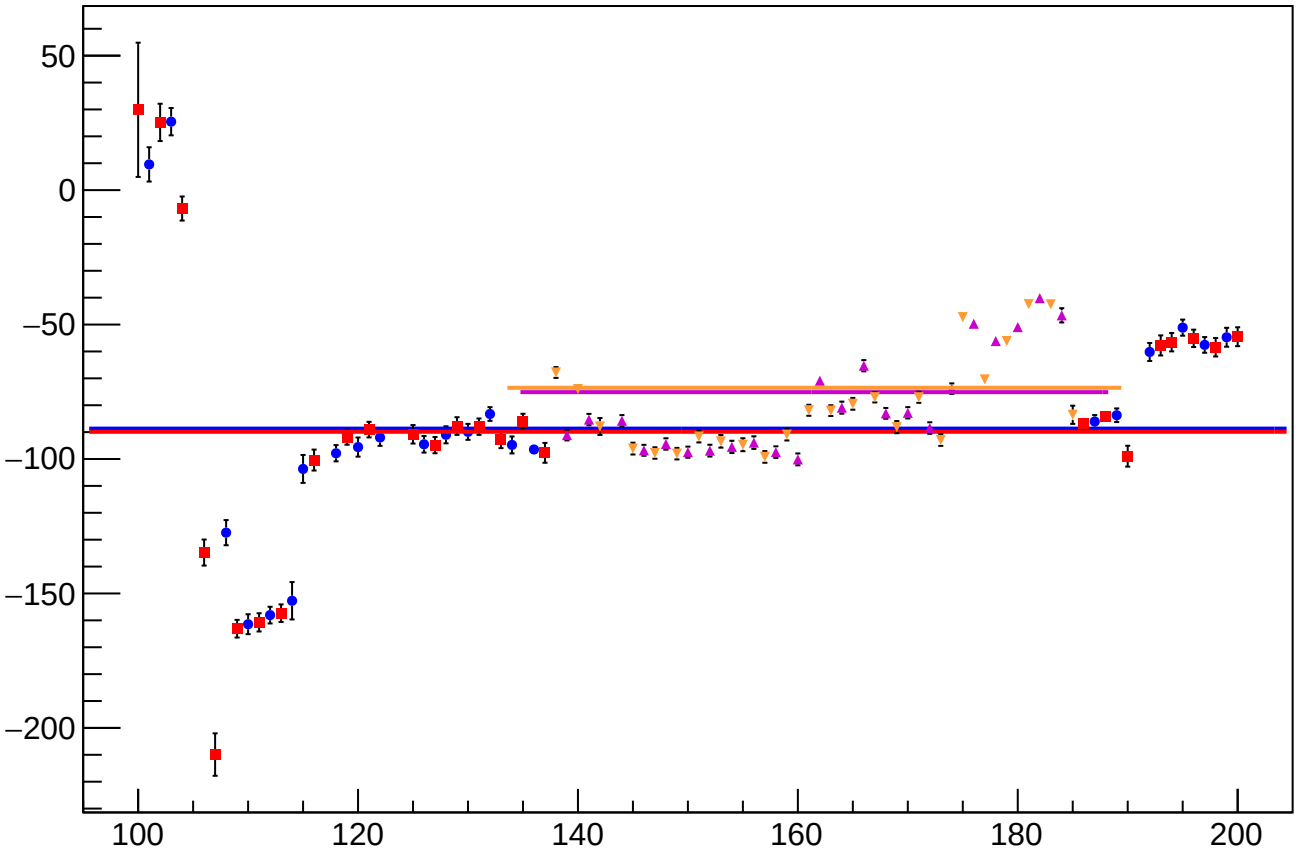
Right Out: 0.165+/-0.639 χ^2/NDF: 84.2/25

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.399+/-0.284 χ^2/NDF: 764.7/45

All: 4.106+/-0.202 χ^2/NDF: 1387.7/94

- sign 3.807+/-0.287 χ^2/NDF: 620.9/48



Right In: -88.691+/-0.668 χ^2/NDF: 2277.3/21

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -89.869+/-0.590 χ^2/NDF: 2836.6/25

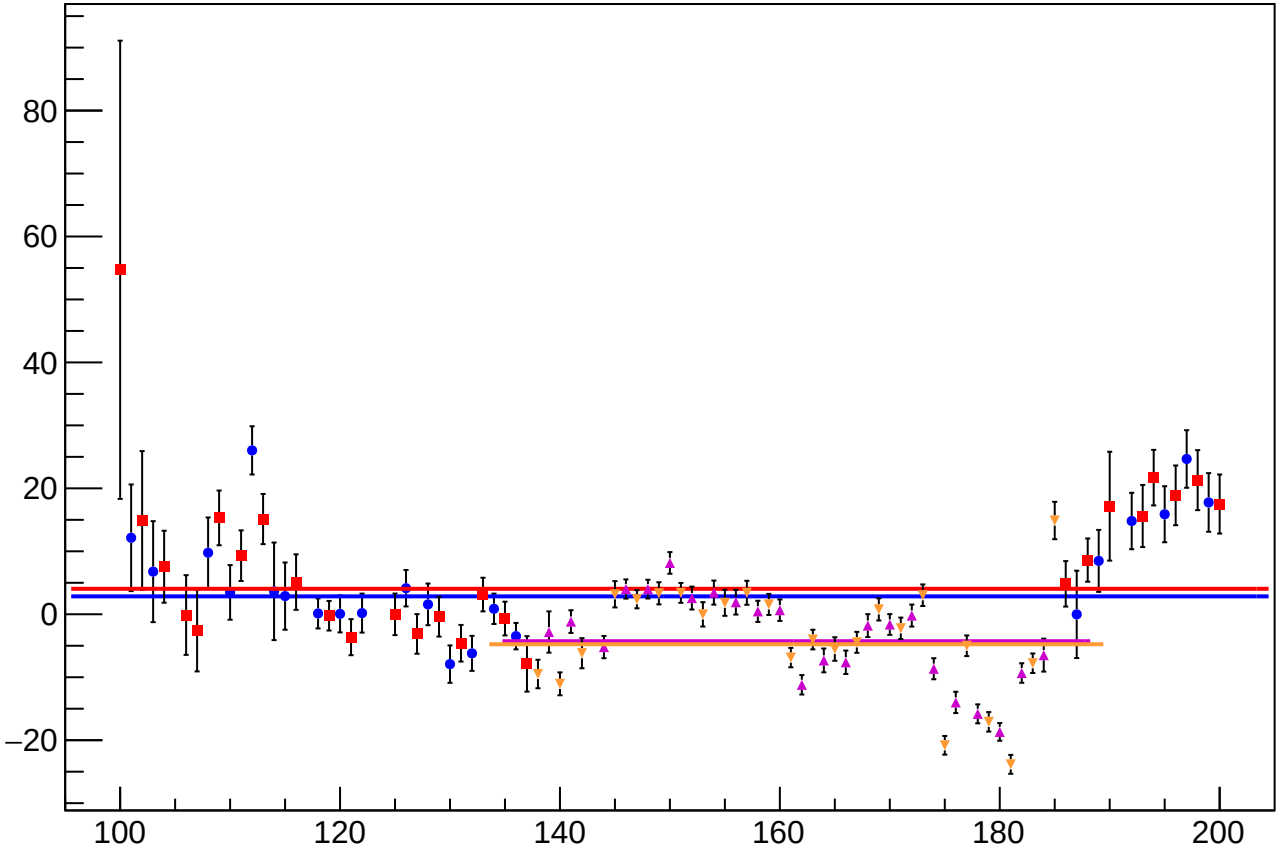
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -77.593+/-0.346 χ^2/NDF: 5047.1/45

All: -78.796+/-0.241 χ^2/NDF: 10689.7/94

- sign -79.932+/-0.337 χ^2/NDF: 5619.2/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.843+/-0.758 χ^2/NDF: 126.6/21

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

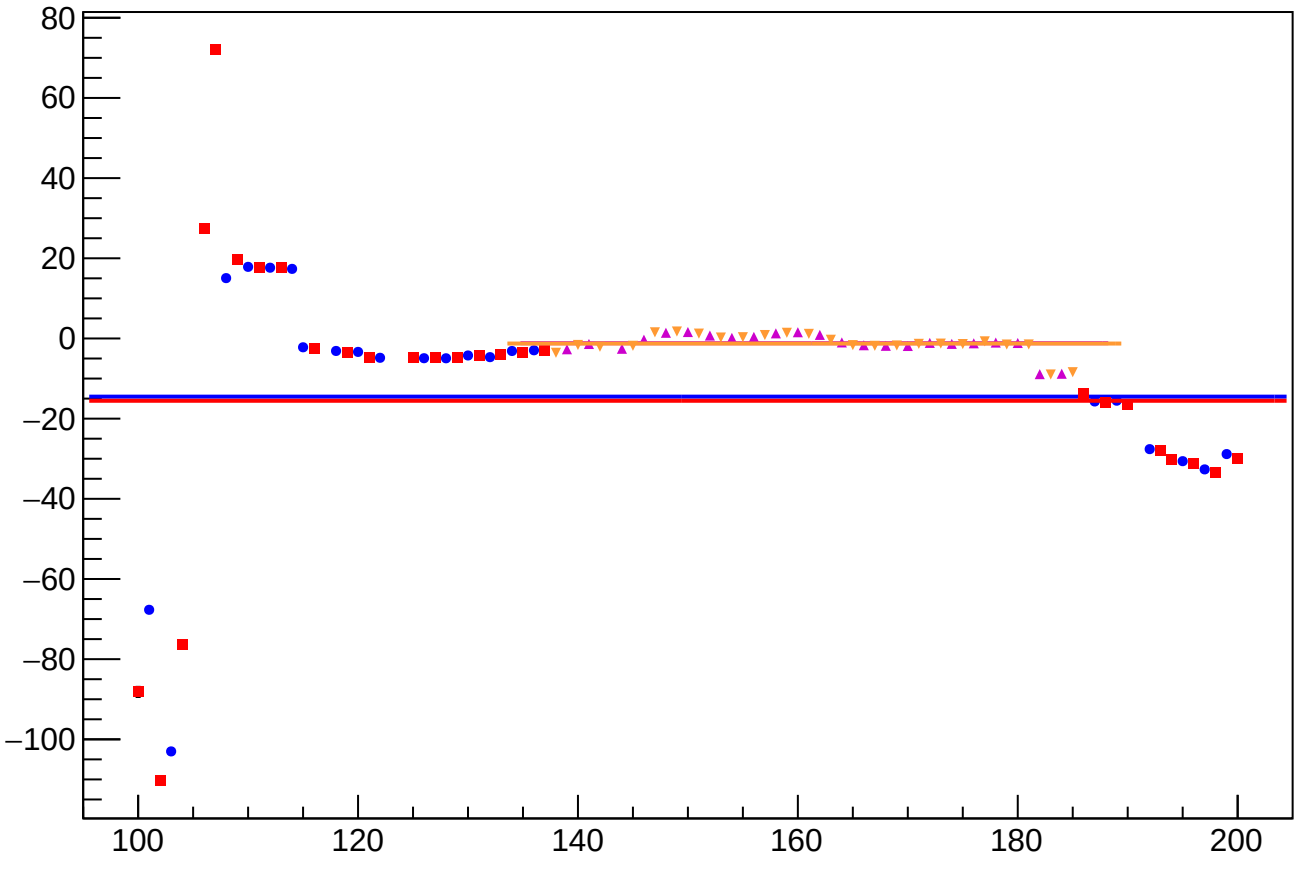
Right Out: 4.047+/-0.753 χ^2/NDF: 116.3/25

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -3.397+/-0.321 χ^2/NDF: 786.0/45

All: -3.064+/-0.229 χ^2/NDF: 1428.1/94

\- sign -2.722+/-0.325 χ^2/NDF: 639.9/48



Right In: -14.513+/-0.039 χ^2/NDF: 339269.6/21

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -15.542+/-0.038 χ^2/NDF: 438913.8/25

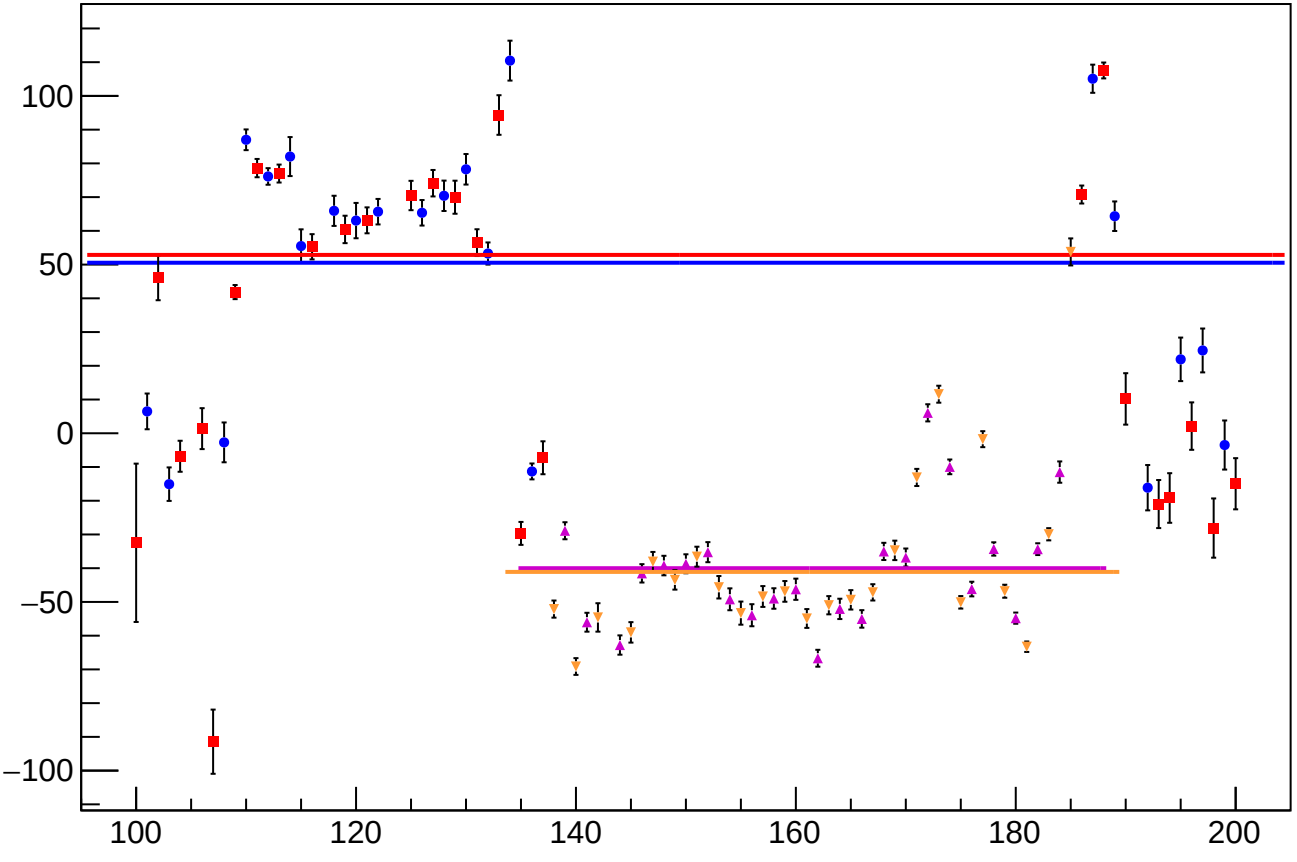
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -3.163+/-0.015 χ^2/NDF: 464136.7/45

All: -3.230+/-0.010 χ^2/NDF: 1047307.0/94

- sign -3.297+/-0.015 χ^2/NDF: 583128.5/48

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.550+/-0.887 χ^2/NDF: 1873.8/21

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 52.870+/-0.785 χ^2/NDF: 2583.0/25

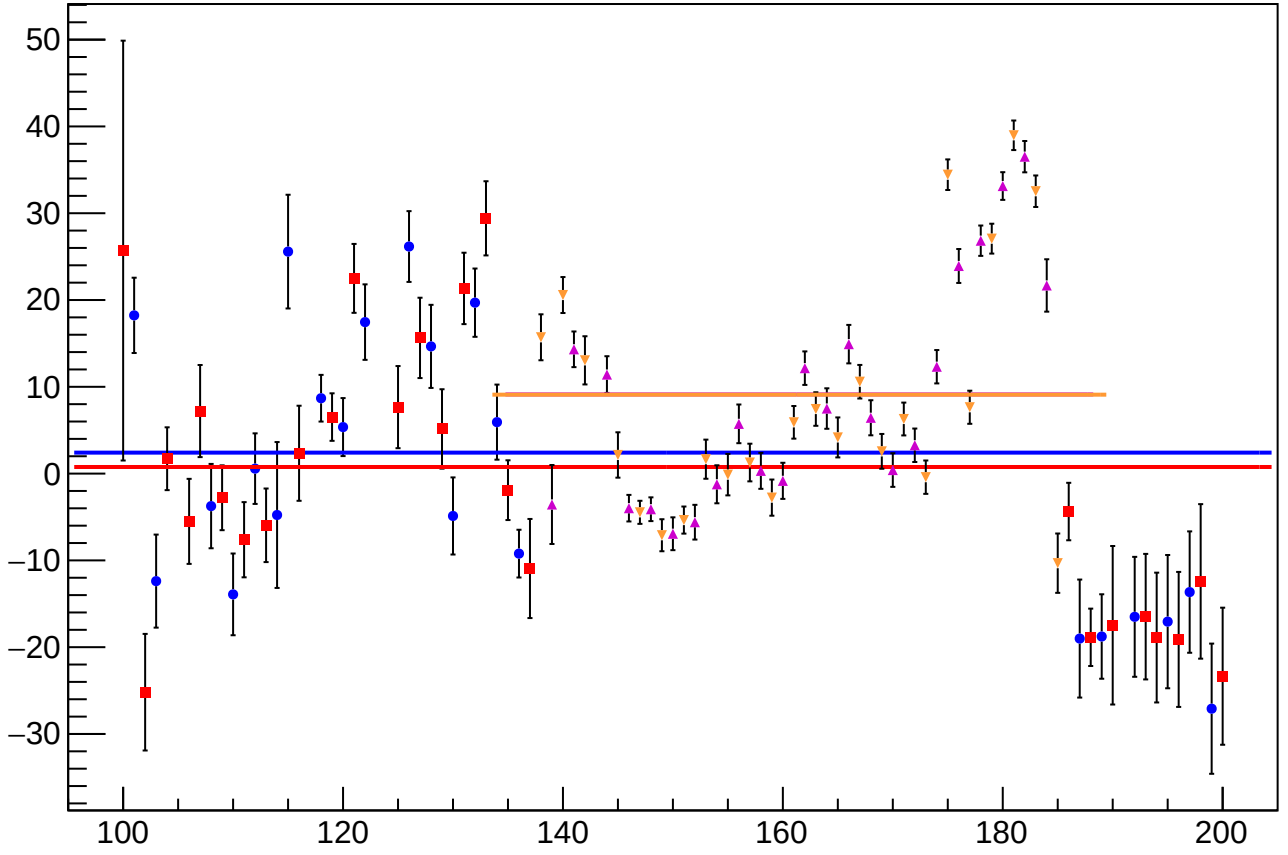
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -17.828+/-0.447 χ^2/NDF: 11789.4/45

All: -14.503+/-0.312 χ^2/NDF: 25195.8/94

- sign -11.339+/-0.436 χ^2/NDF: 13298.4/48

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.416+/-0.954 χ^2/NDF: 210.7/21

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

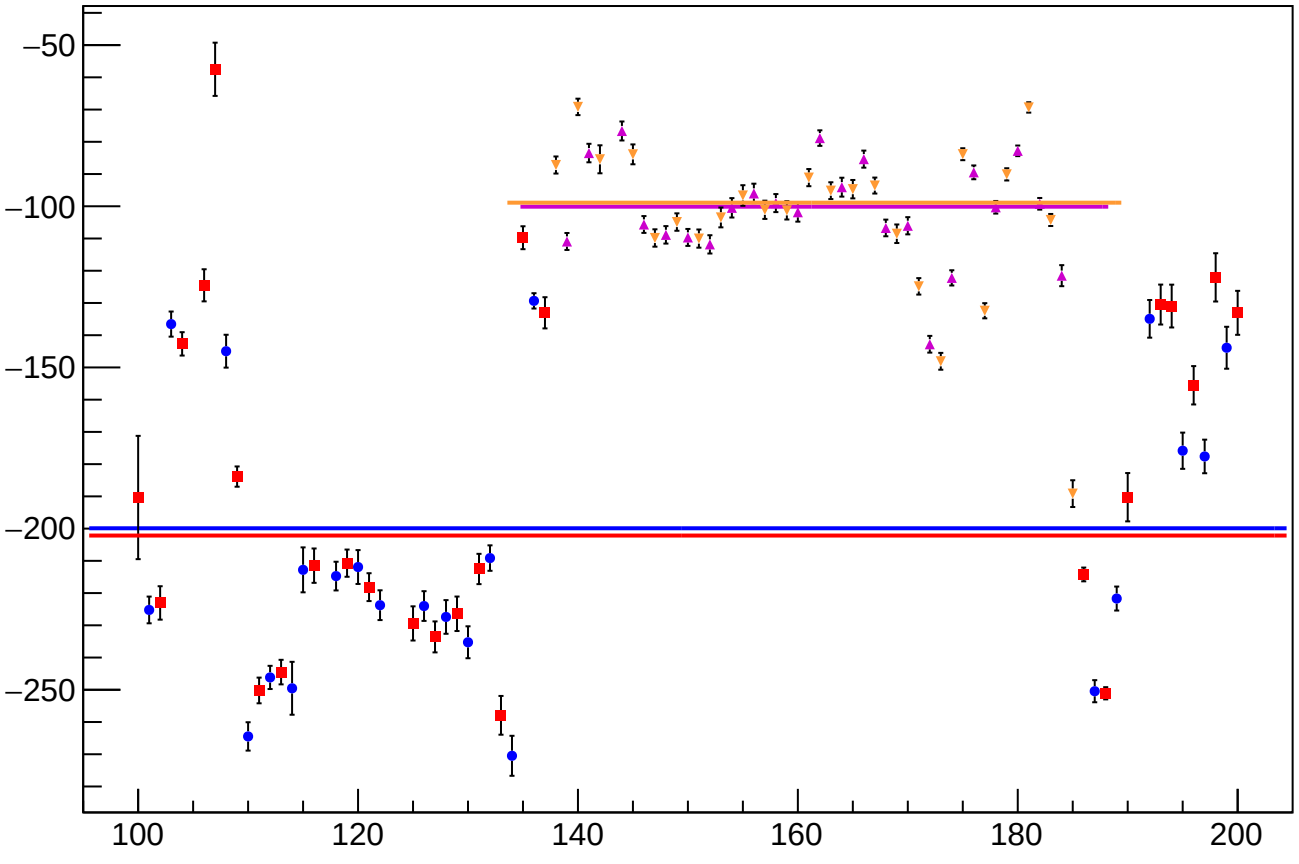
Right Out: 0.761+/-0.900 χ^2/NDF: 221.2/25

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

\+ sign 8.090+/-0.370 χ^2/NDF: 1506.1/45

All: 7.892+/-0.262 χ^2/NDF: 2851.1/94

\- sign 7.692+/-0.372 χ^2/NDF: 1344.5/48



Right In: -199.896+/-0.940 χ^2/NDF: 2489.8/21

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

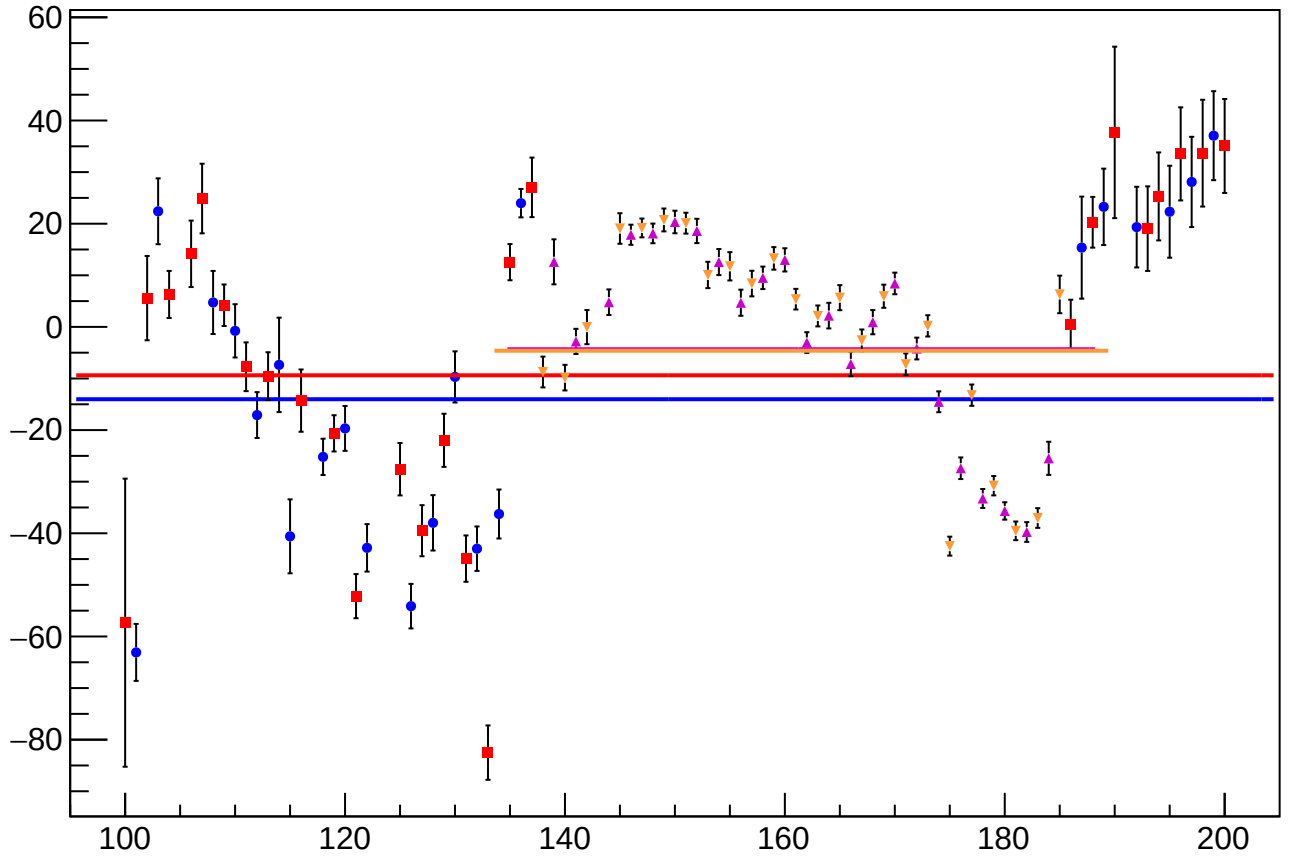
Right Out: -202.152+/-0.819 χ^2/NDF: 3447.9/25

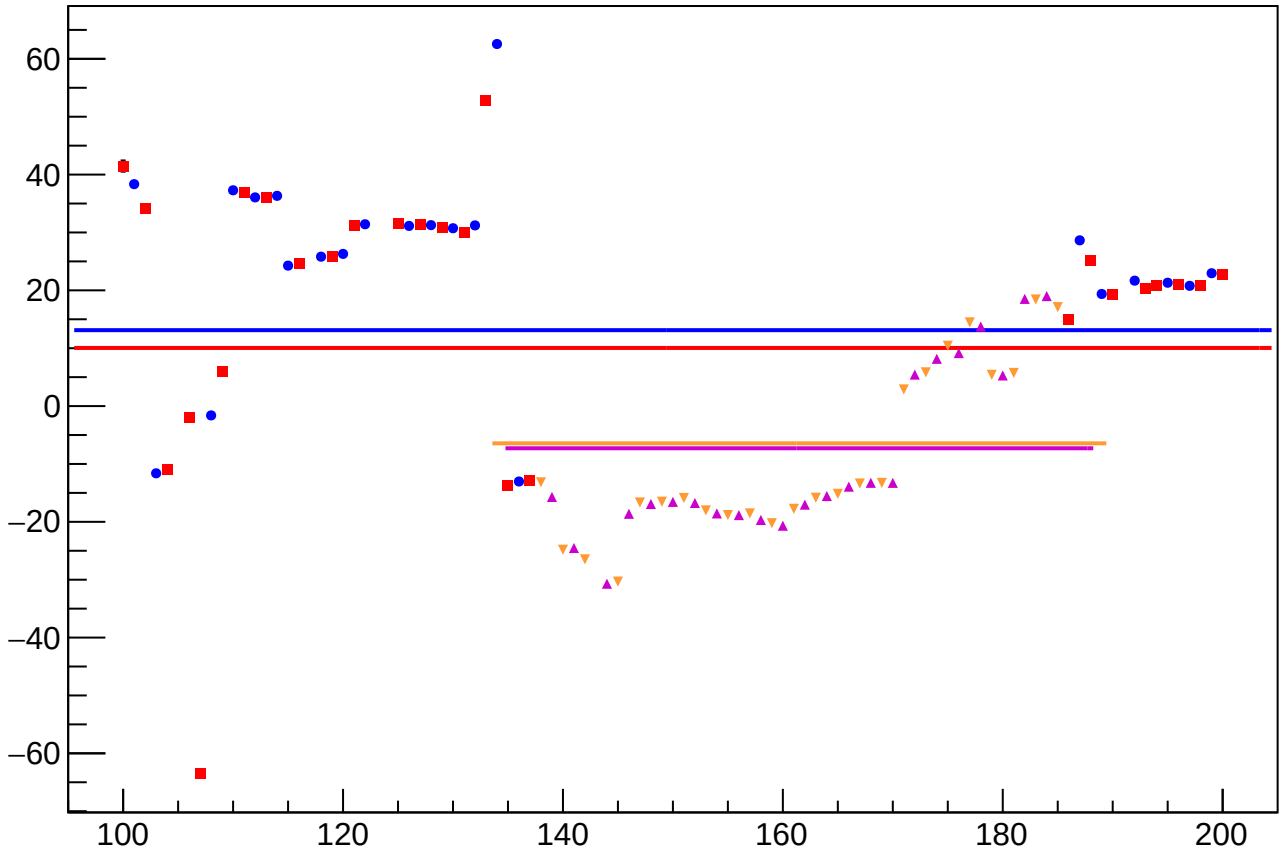
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

\+ sign -122.129+/-0.451 χ^2/NDF: 13197.2/45

All: -125.876+/-0.315 χ^2/NDF: 28653.8/94

\- sign -129.425+/-0.439 χ^2/NDF: 15322.3/48


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -14.019+/-1.099 χ²/NDF: 685.1/21
Left Out: -4.618+/-0.451 χ²/NDF:2078.3/23
Right Out: -9.381+/-1.060 χ²/NDF: 710.8/25
Left In: -4.328+/-0.459 χ²/NDF:1854.2/22
+ sign -5.975+/-0.418 χ²/NDF: 2826.0/45
All: -5.554+/-0.296 χ²/NDF: 5412.2/94
- sign -5.126+/-0.421 χ²/NDF: 2584.1/48



Right In: 13.118+/-0.056 χ^2/NDF: 171860.7/21

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

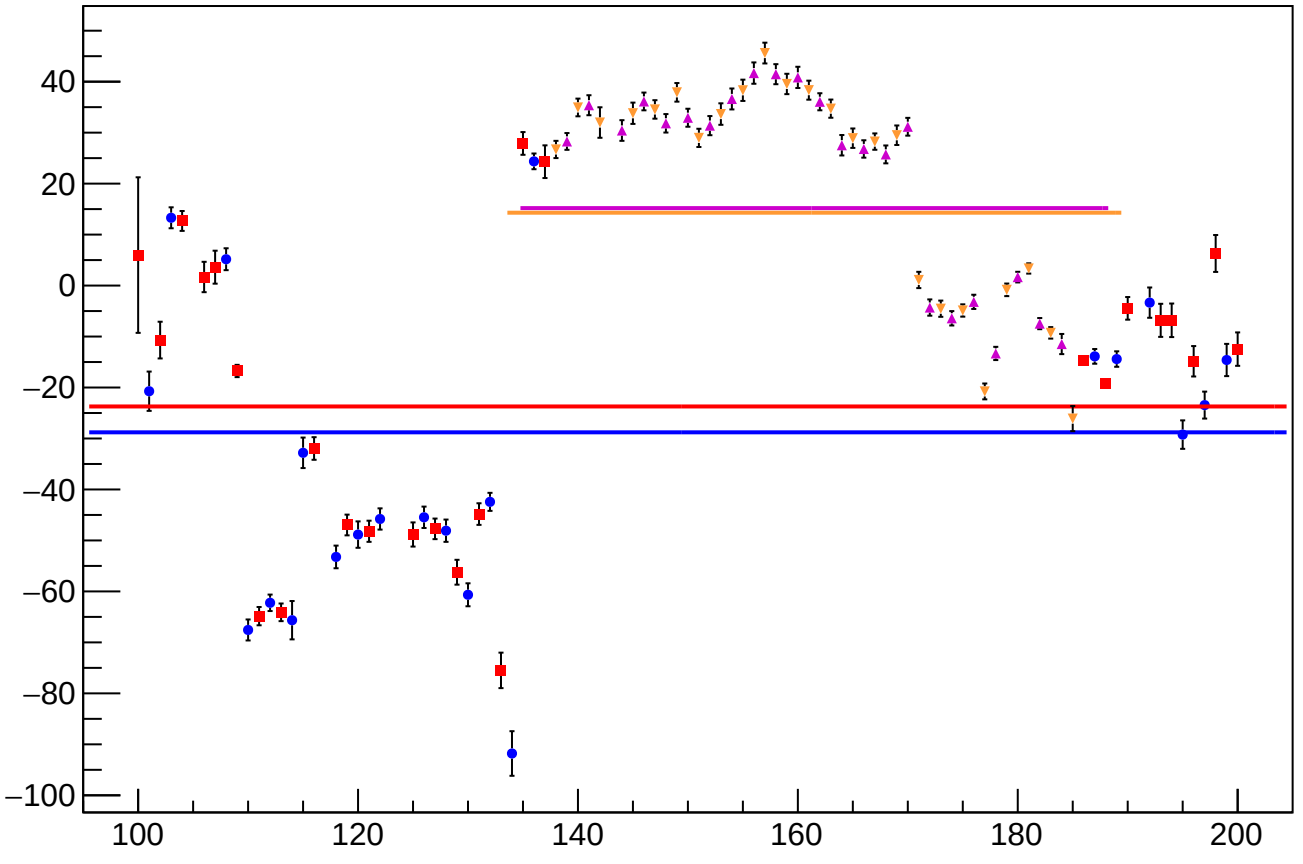
Right Out: 10.046+/-0.054 χ^2/NDF: 172828.2/25

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.159+/-0.019 χ^2/NDF: 777816.0/45

All: -4.645+/-0.013 χ^2/NDF: 1531099.1/94

- sign -5.132+/-0.019 χ^2/NDF: 751971.8/48



Right In: -28.791+/-0.460 χ^2/NDF: 3895.9/21

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

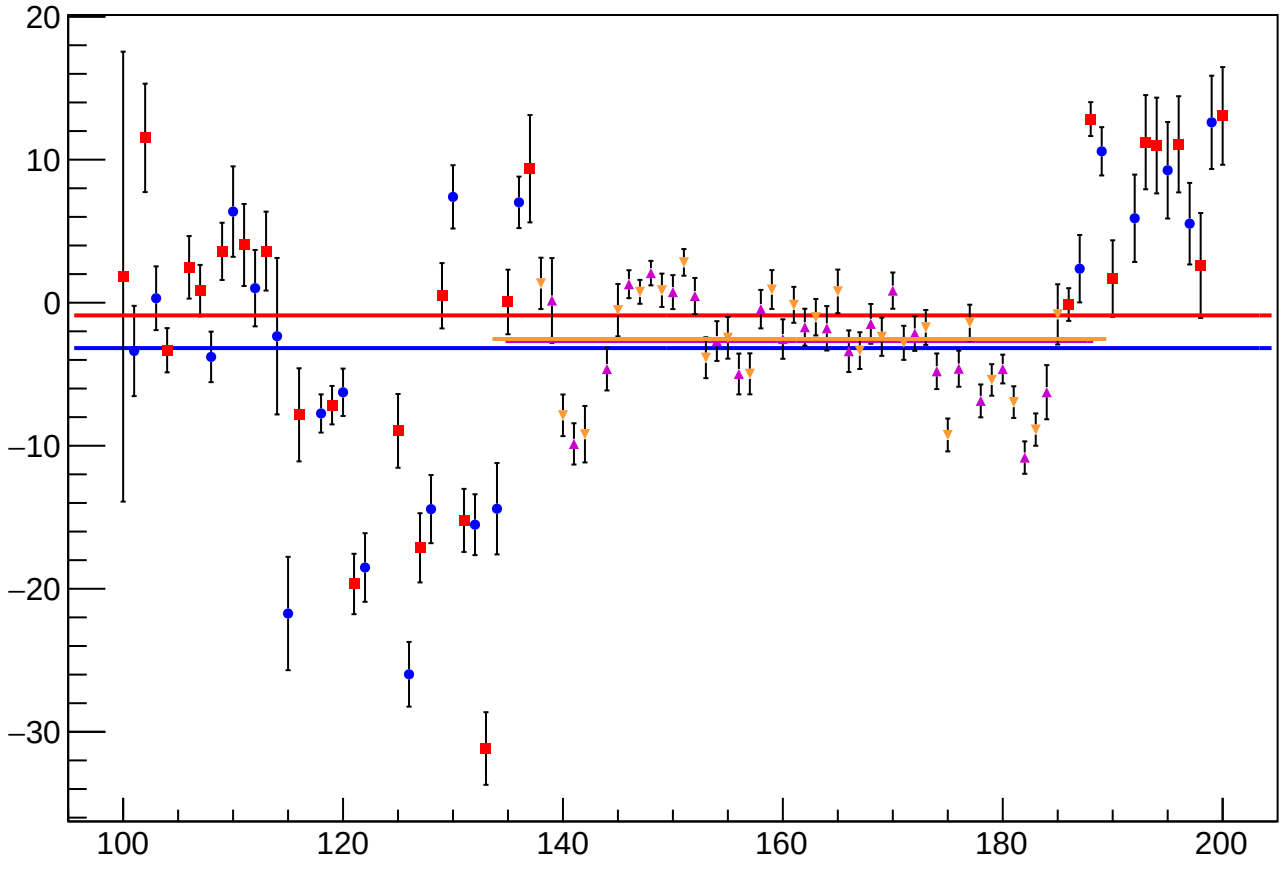
Right Out: -23.717+/-0.379 χ^2/NDF: 3748.8/25

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

\+ sign -0.661+/-0.271 χ^2/NDF: 13357.4/45

All: -1.450+/-0.185 χ^2/NDF: 26382.2/94

\- sign -2.136+/-0.253 χ^2/NDF: 13008.9/48



Right In: -3.173+/-0.488 χ^2/NDF: 444.2/21

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.887+/-0.424 χ^2/NDF: 572.2/25

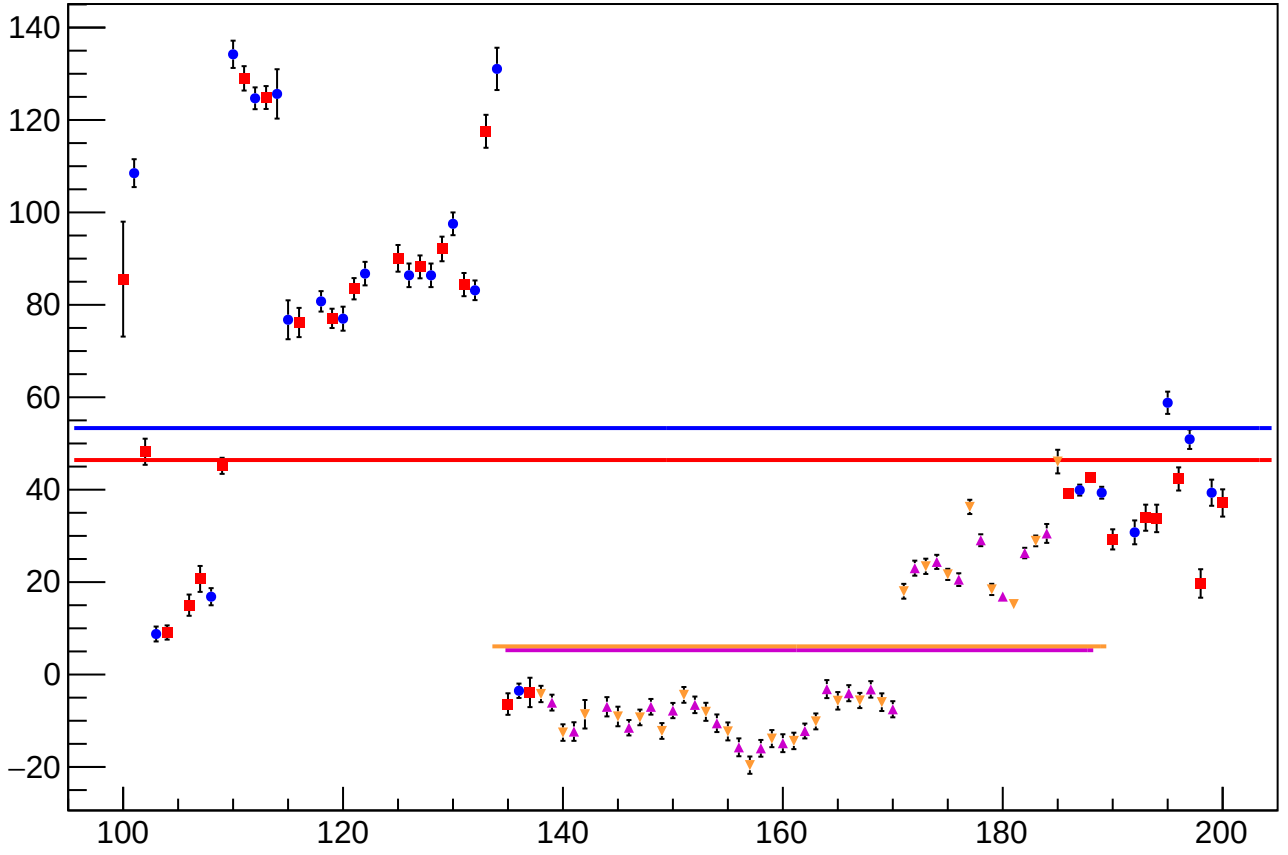
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.678+/-0.229 χ^2/NDF: 643.9/45

All: -2.423+/-0.160 χ^2/NDF: 1413.5/94

\- sign -2.177+/-0.225 χ^2/NDF: 767.1/48

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.331+/-0.455 χ^2/NDF: 6604.4/21

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

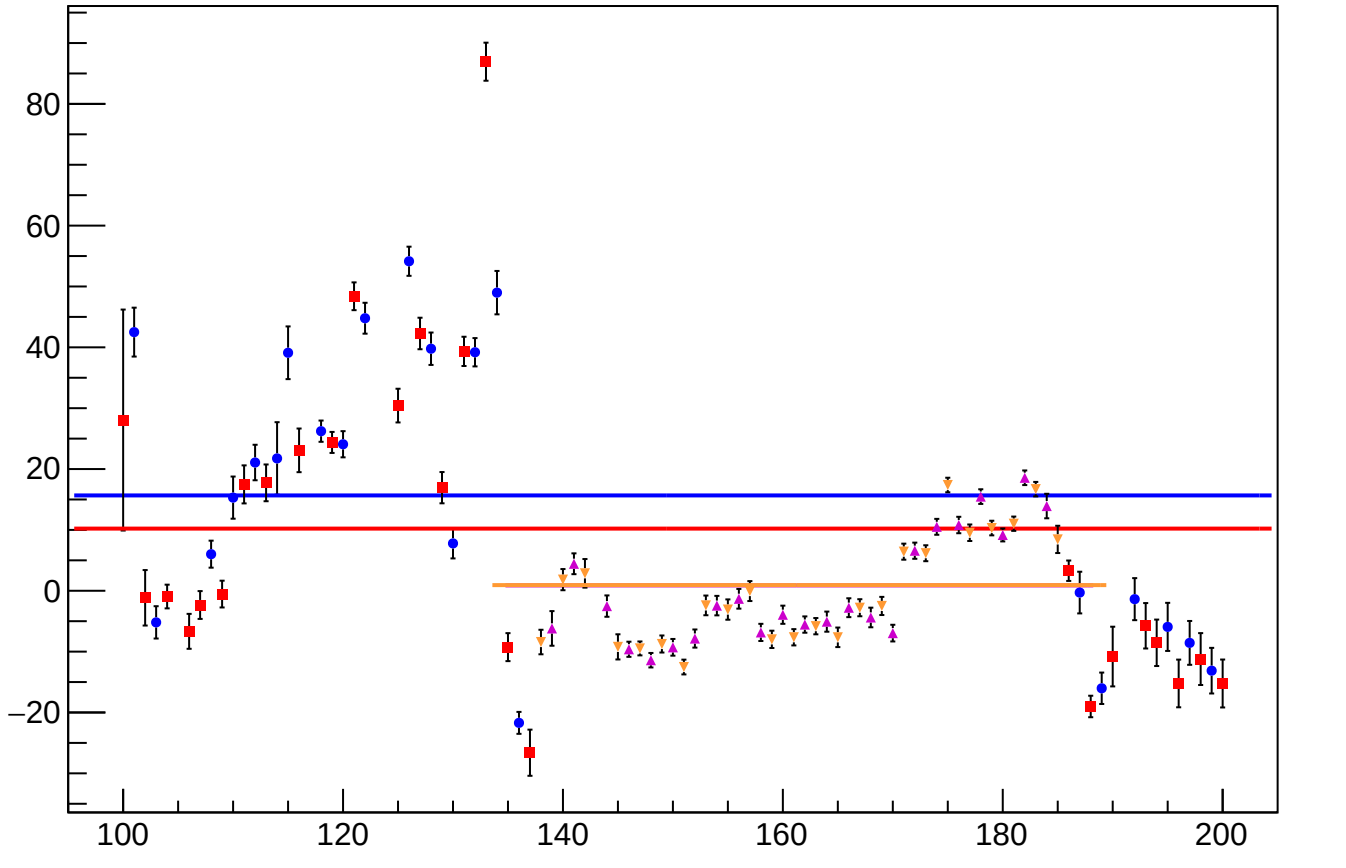
Right Out: 46.416+/-0.359 χ^2/NDF: 5926.2/25

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.545+/-0.269 χ^2/NDF: 16391.4/45

All: 23.607+/-0.181 χ^2/NDF: 31782.3/94

- sign 24.494+/-0.246 χ^2/NDF: 15362.3/48



Right In: 15.666+/-0.580 χ^2/NDF: 1644.1/21

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

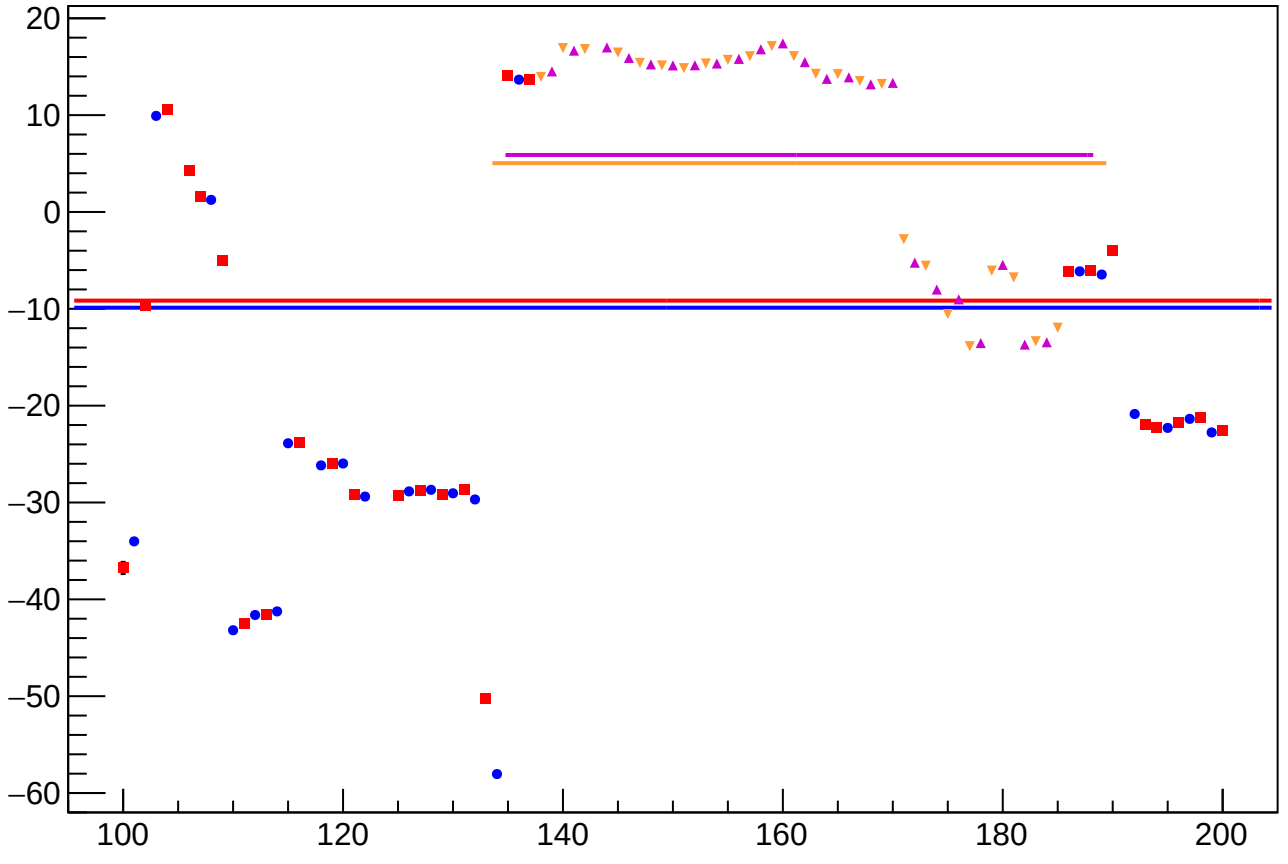
Right Out: 10.214+/-0.523 χ^2/NDF: 2090.1/25

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 3.905+/-0.261 χ^2/NDF: 3200.8/45

All: 3.529+/-0.184 χ^2/NDF: 6542.1/94

\- sign 3.160+/-0.258 χ^2/NDF: 3337.1/48



Right In: -9.884+/-0.028 χ^2/NDF: 466667.8/21

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

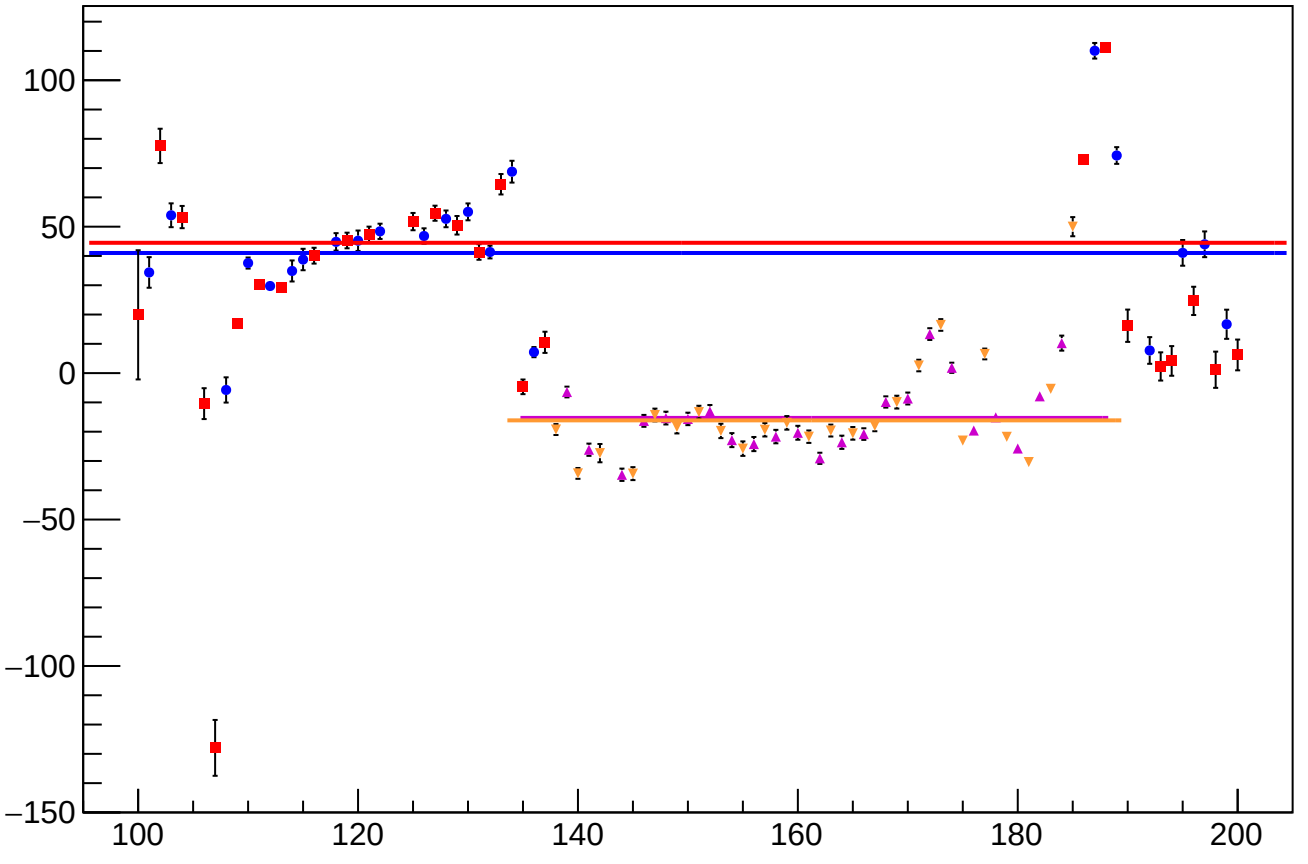
Right Out: -9.154+/-0.026 χ^2/NDF: 387284.8/25

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.330+/-0.012 χ^2/NDF: 1559514.6/45

All: 2.580+/-0.008 χ^2/NDF: 3060324.7/94

- sign 2.826+/-0.012 χ^2/NDF: 1499923.1/48



Right In: 41.019+/-0.600 χ^2/NDF: 1563.3/21

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.496+/-0.534 χ^2/NDF: 3997.1/25

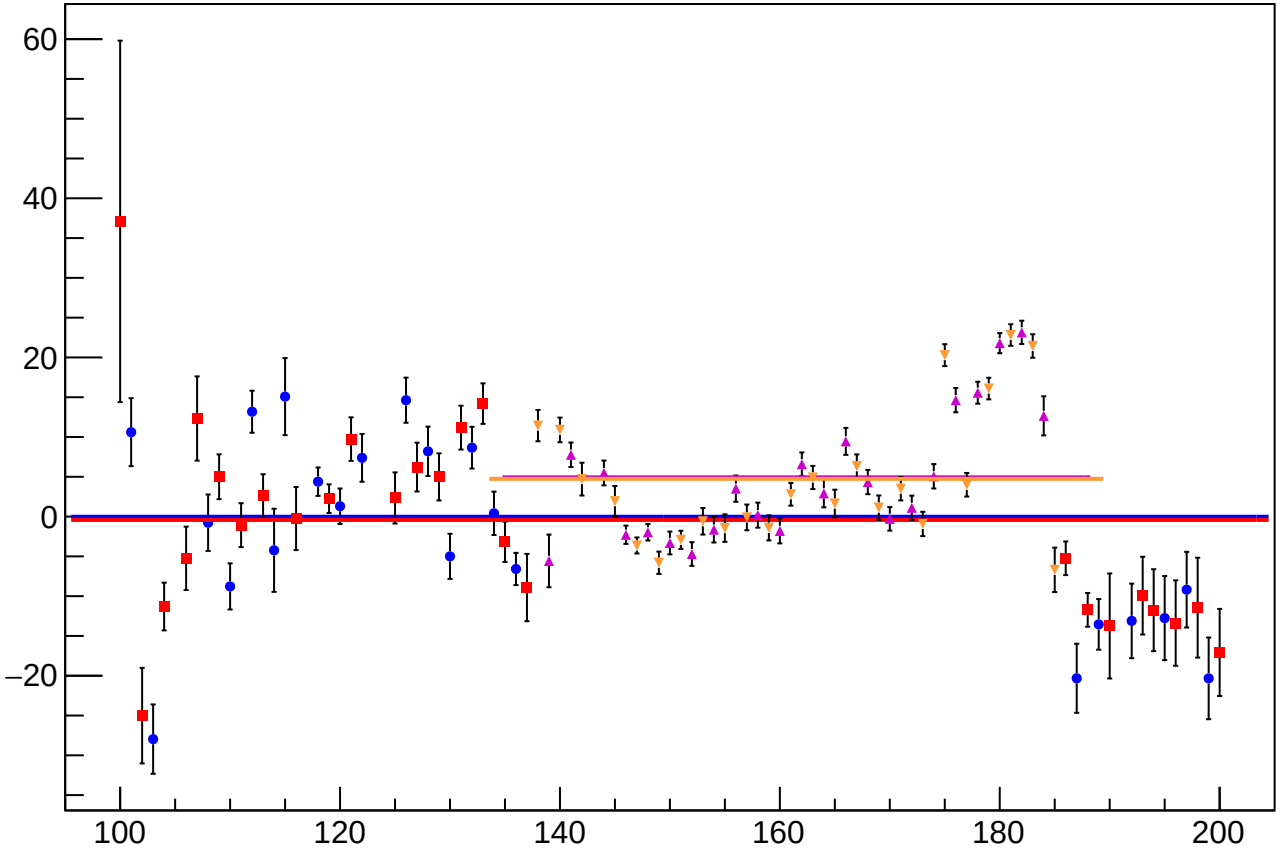
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.320+/-0.332 χ^2/NDF: 9227.8/45

All: 3.956+/-0.231 χ^2/NDF: 22100.8/94

- sign 6.437+/-0.322 χ^2/NDF: 12750.3/48

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.021+/-0.653 χ^2/NDF: 235.6/21

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.421+/-0.621 χ^2/NDF: 190.1/25

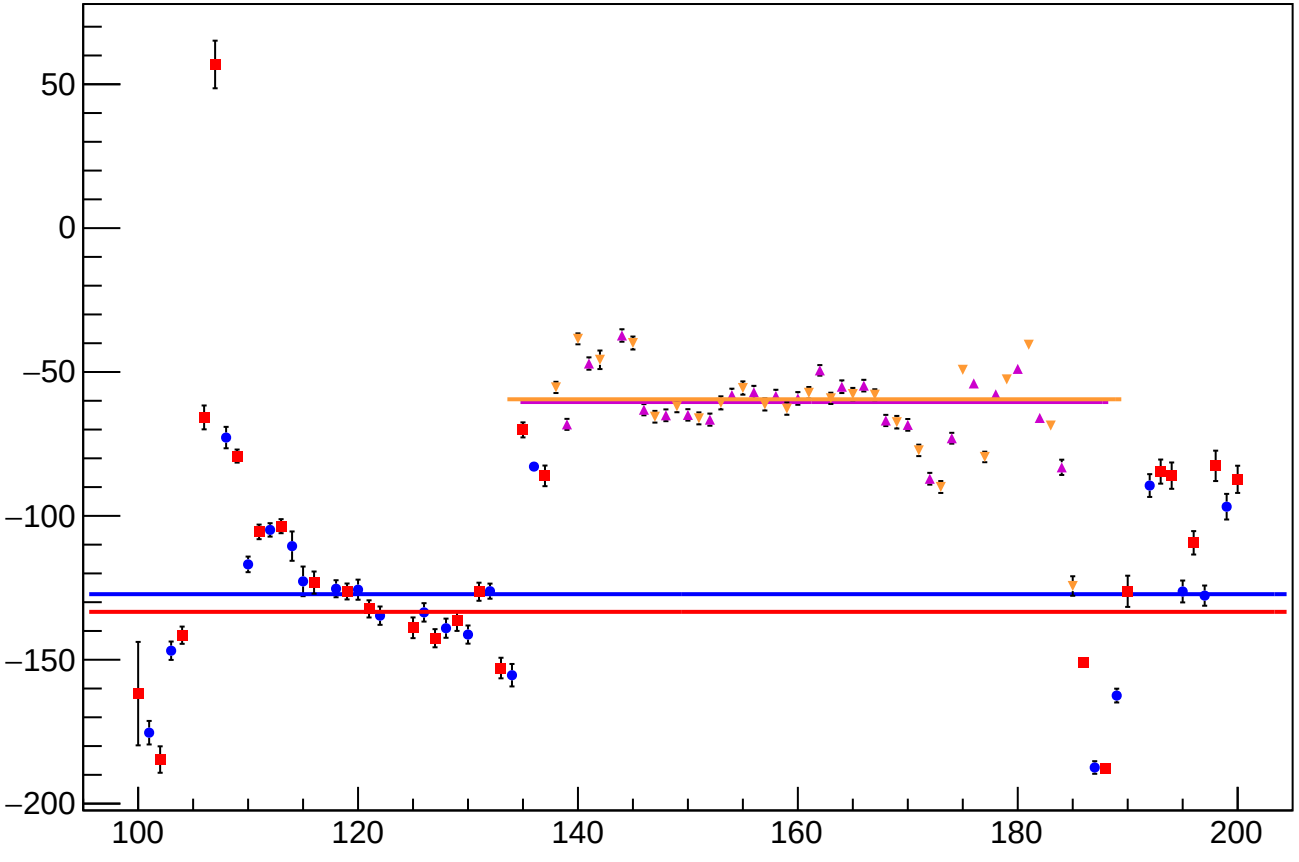
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.884+/-0.277 χ^2/NDF: 1073.1/45

All: 3.866+/-0.197 χ^2/NDF: 2010.9/94

- sign 3.849+/-0.279 χ^2/NDF: 937.9/48

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -127.211+/-0.646 χ^2/NDF: 2353.8/21

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

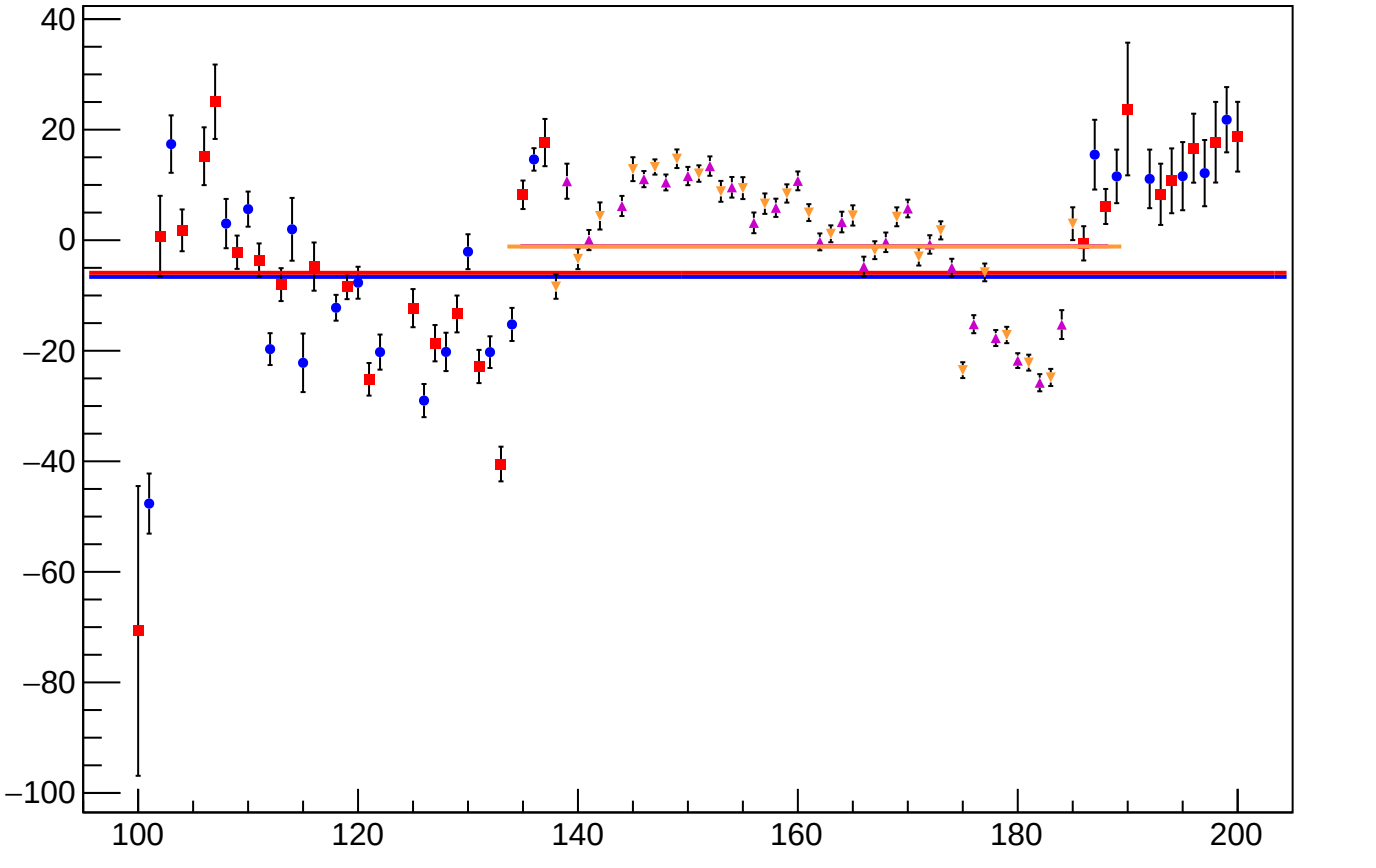
Right Out: -133.356+/-0.558 χ^2/NDF: 5205.6/25

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.887+/-0.337 χ^2/NDF: 11719.4/45

All: -81.650+/-0.234 χ^2/NDF: 29123.6/94

\- sign -85.146+/-0.325 χ^2/NDF: 17163.7/48



Right In: -6.630+/-0.753 χ^2/NDF: 446.3/21

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

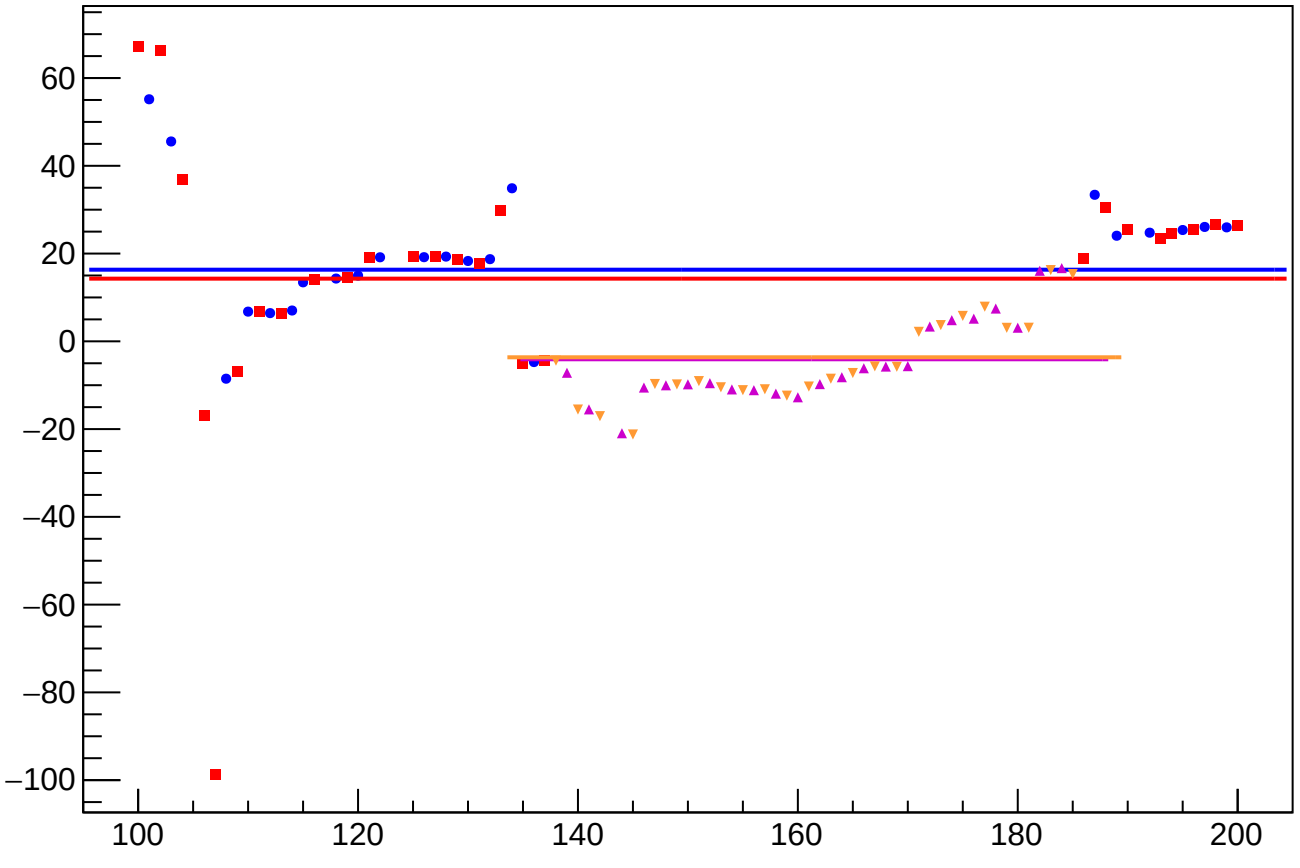
Right Out: -5.894+/-0.732 χ^2/NDF: 409.0/25

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

\+ sign -2.099+/-0.314 χ^2/NDF: 1793.2/45

All: -2.042+/-0.223 χ^2/NDF: 3394.8/94

\- sign -1.984+/-0.317 χ^2/NDF: 1601.5/48



Right In: 16.323+/-0.040 χ^2/NDF: 201759.4/21

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

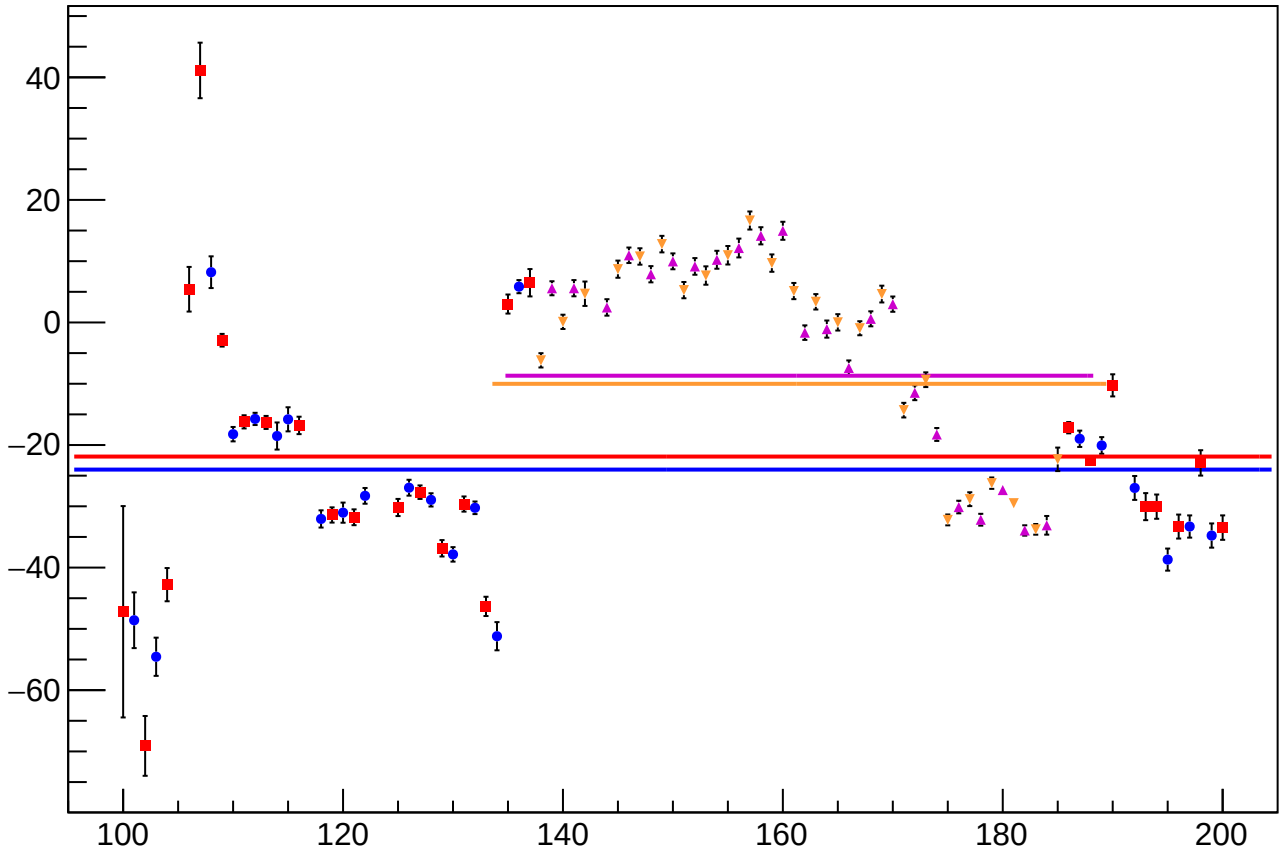
Right Out: 14.283+/-0.039 χ^2/NDF: 332531.4/25

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

\+ sign -0.997+/-0.014 χ^2/NDF: 768498.8/45

All: -1.287+/-0.010 χ^2/NDF: 1626613.6/94

\- sign -1.577+/-0.014 χ^2/NDF: 857304.8/48



Right In: -24.008+/-0.310 χ^2/NDF: 1719.5/21

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

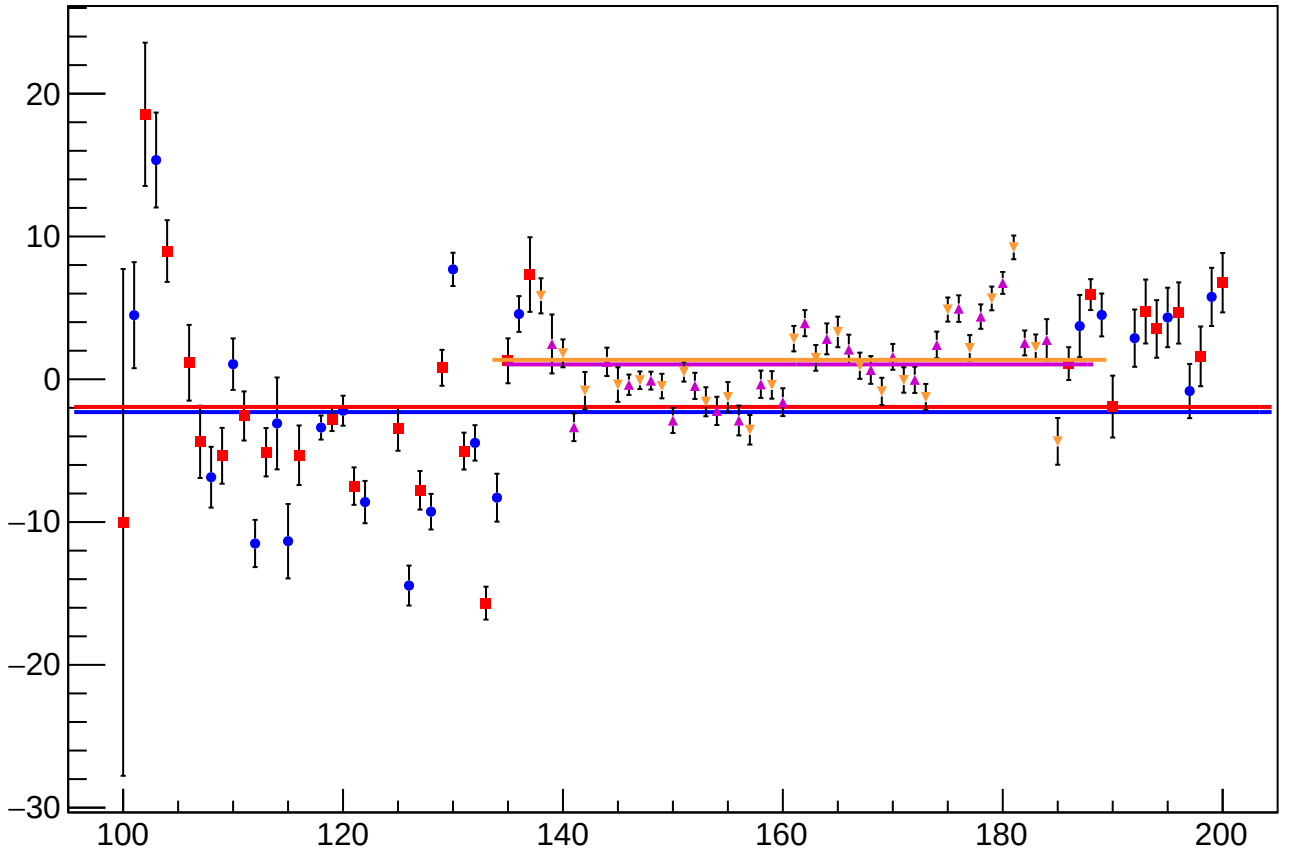
Right Out: -21.882+/-0.281 χ^2/NDF: 1981.2/25

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -15.367+/-0.192 χ^2/NDF: 7952.3/45

All: -14.897+/-0.134 χ^2/NDF: 16207.4/94

- sign -14.457+/-0.186 χ^2/NDF: 8243.4/48



Right In: -2.298+/-0.329 χ^2/NDF: 389.7/21

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

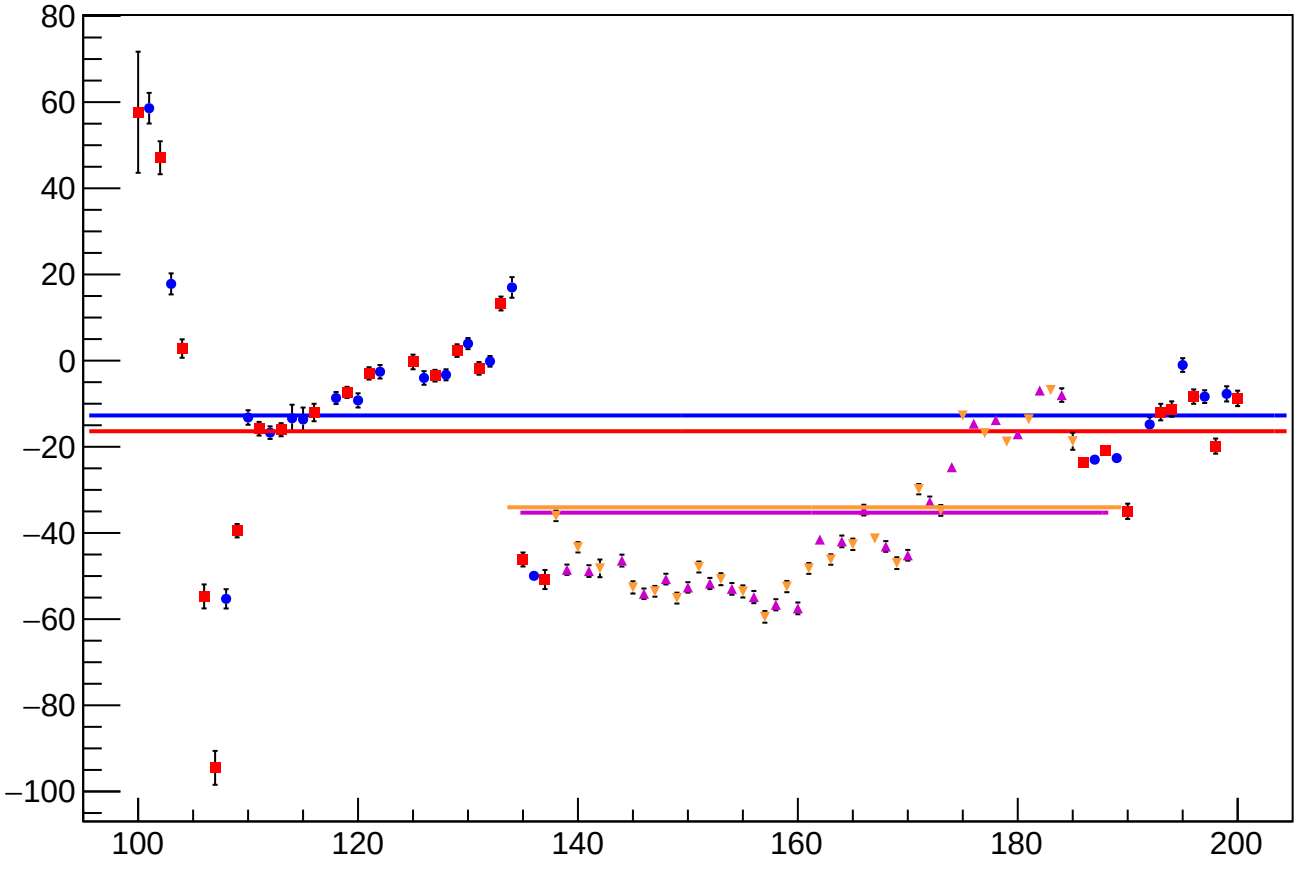
Right Out: -1.937+/-0.313 χ^2/NDF: 368.5/25

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.457+/-0.163 χ^2/NDF: 723.4/45

All: 0.340+/-0.116 χ^2/NDF: 1354.8/94

- sign 0.223+/-0.164 χ^2/NDF: 630.4/48



Right In: -12.725+/-0.330 χ^2/NDF: 2904.8/21

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.388+/-0.287 χ^2/NDF: 3009.5/25

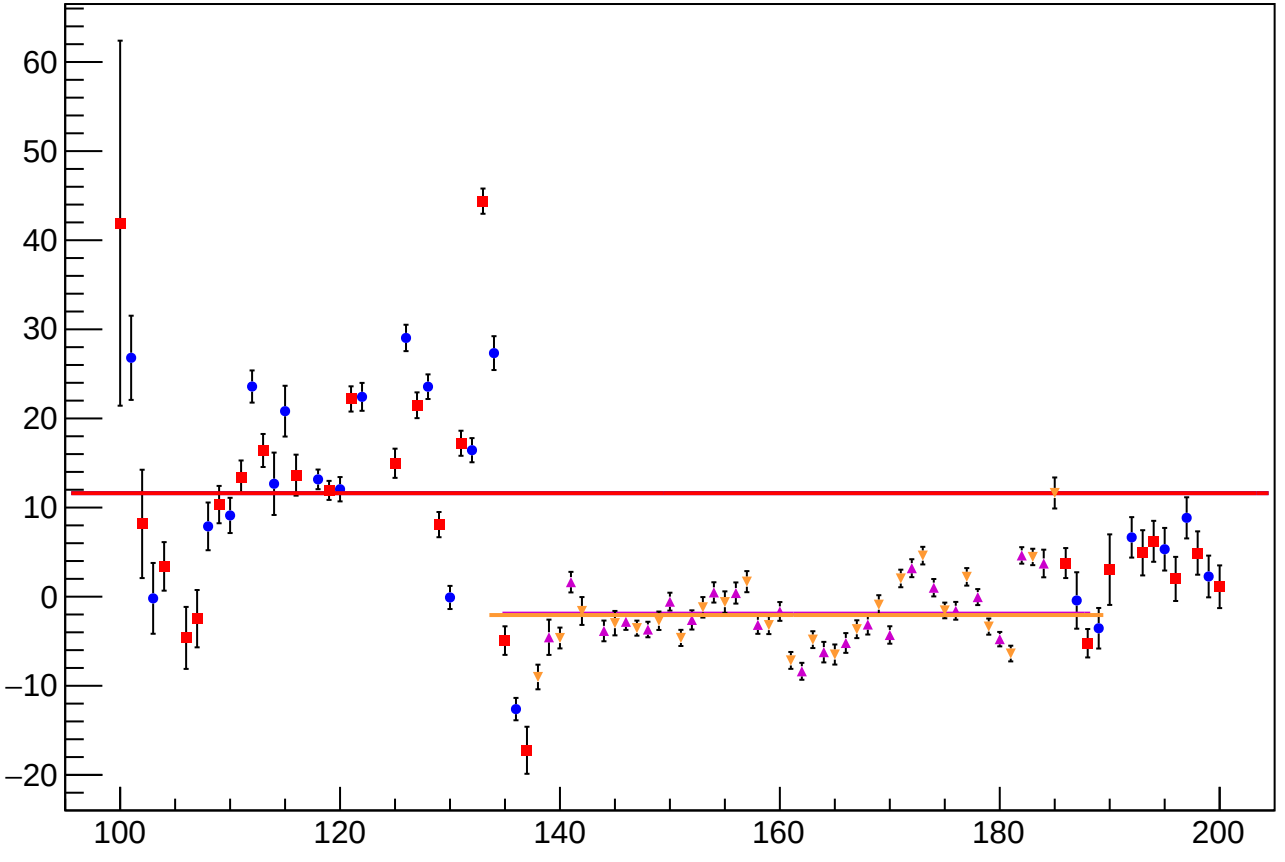
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -26.571+/-0.196 χ^2/NDF: 10574.8/45

All: -26.948+/-0.135 χ^2/NDF: 21097.4/94

\- sign -27.291+/-0.186 χ^2/NDF: 10515.5/48

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.618+/-0.382 χ^2/NDF: 963.5/21

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

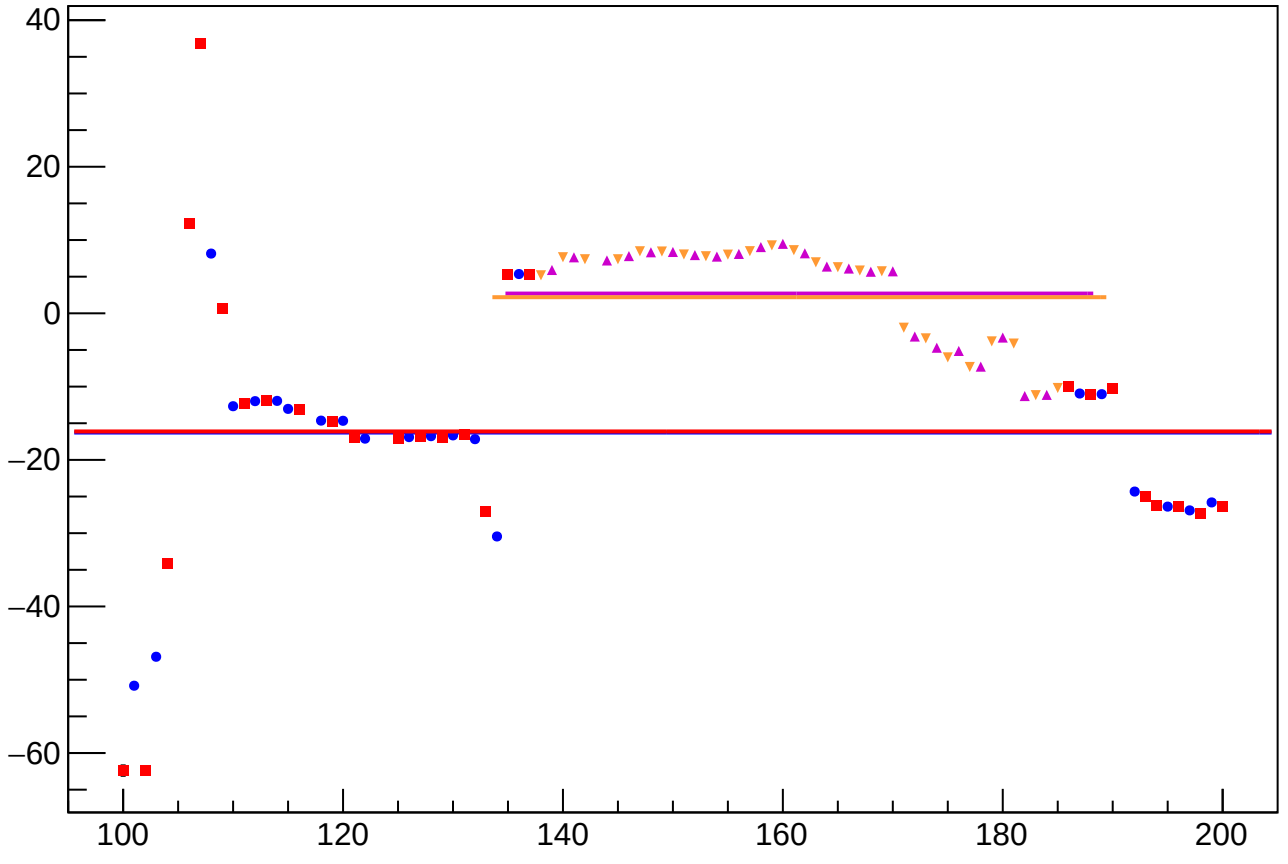
Right Out: 11.612+/-0.371 χ^2/NDF: 1144.2/25

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.162+/-0.186 χ^2/NDF: 2275.1/45

All: 1.340+/-0.132 χ^2/NDF: 4634.0/94

\- sign 1.520+/-0.187 χ^2/NDF: 2357.0/48



Right In: -16.268+/-0.021 χ^2/NDF: 468605.0/21

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -16.120+/-0.020 χ^2/NDF: 554043.7/25

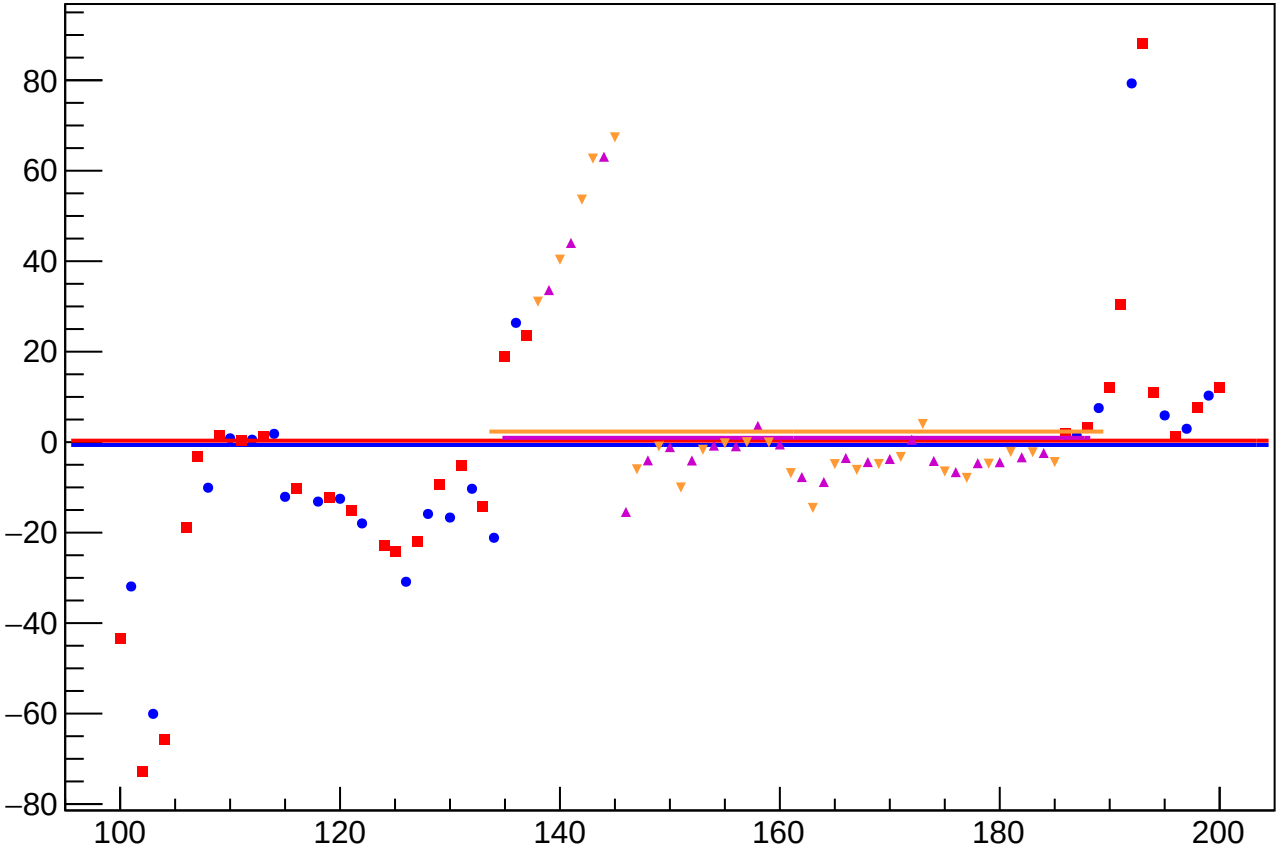
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -1.060+/-0.009 χ^2/NDF: 1644494.3/45

All: -0.982+/-0.006 χ^2/NDF: 3439413.0/94

\- sign -0.904+/-0.009 χ^2/NDF: 1794753.7/48

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -0.622+/-0.046 χ^2/NDF: 115556.0/21

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.329+/-0.038 χ^2/NDF: 118667.4/27

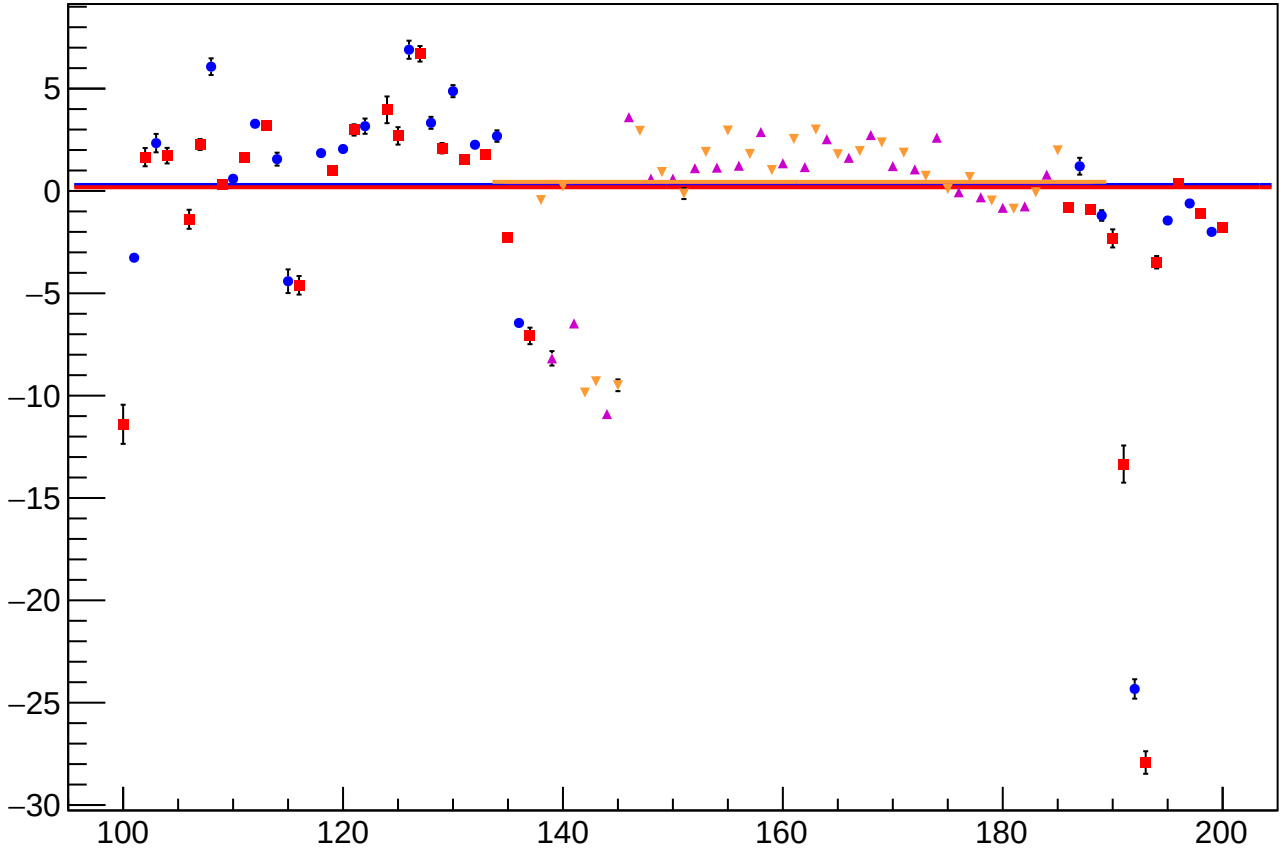
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.059+/-0.030 χ^2/NDF: 294885.7/46

All: 0.825+/-0.020 χ^2/NDF: 546311.1/97

- sign 0.630+/-0.028 χ^2/NDF: 251316.1/50

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.293+/-0.051 χ^2/NDF: 5775.1/21

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.180+/-0.047 χ^2/NDF: 5027.6/27

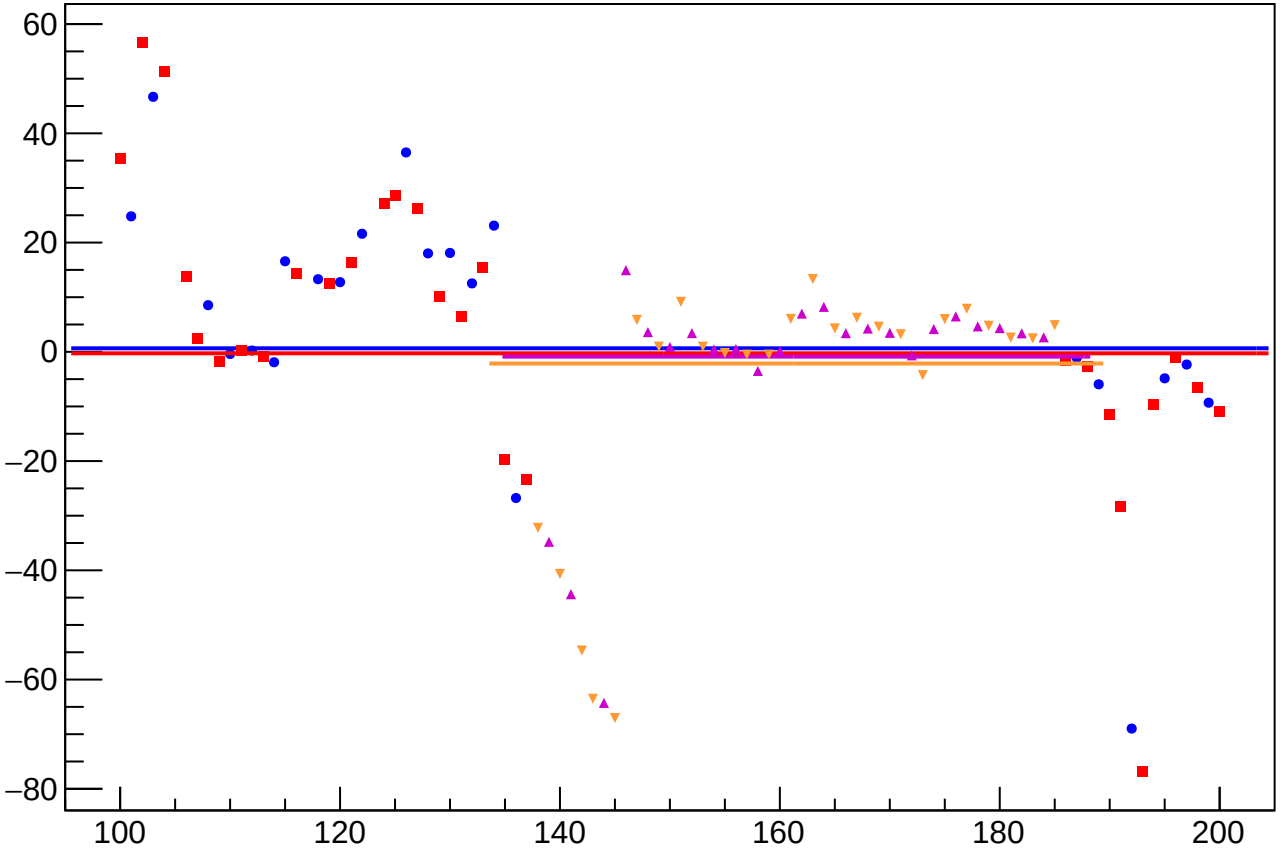
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.402+/-0.028 χ^2/NDF: 12825.7/46

All: 0.375+/-0.019 χ^2/NDF: 24976.3/97

- sign 0.352+/-0.026 χ^2/NDF: 12148.8/50

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 0.644+/-0.048 χ^2/NDF: 114786.7/21

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.273+/-0.041 χ^2/NDF: 117194.4/27

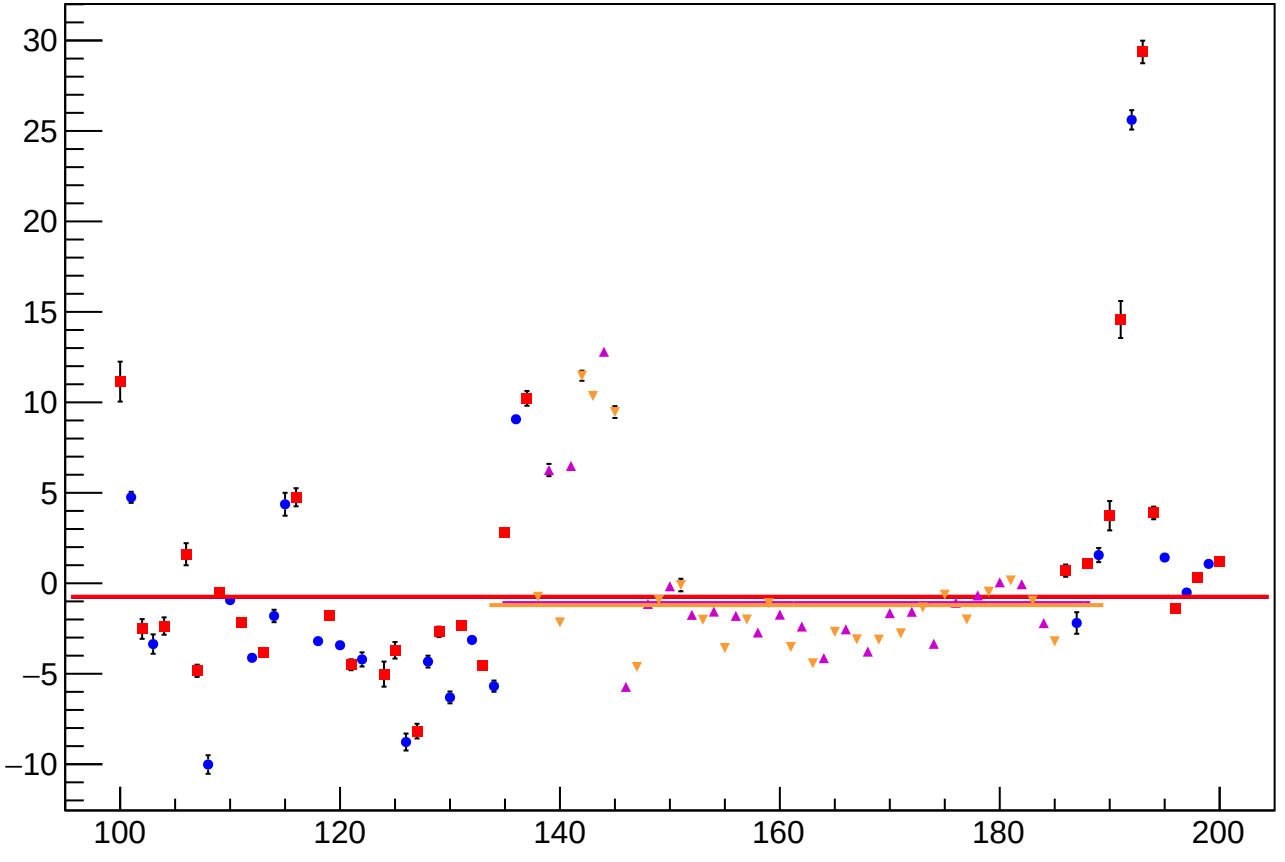
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.004+/-0.031 χ^2/NDF: 288017.6/46

All: -0.780+/-0.021 χ^2/NDF: 534620.5/97

- sign -0.591+/-0.028 χ^2/NDF: 246506.4/50

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.756+/-0.060 χ^2/NDF: 7293.5/21

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

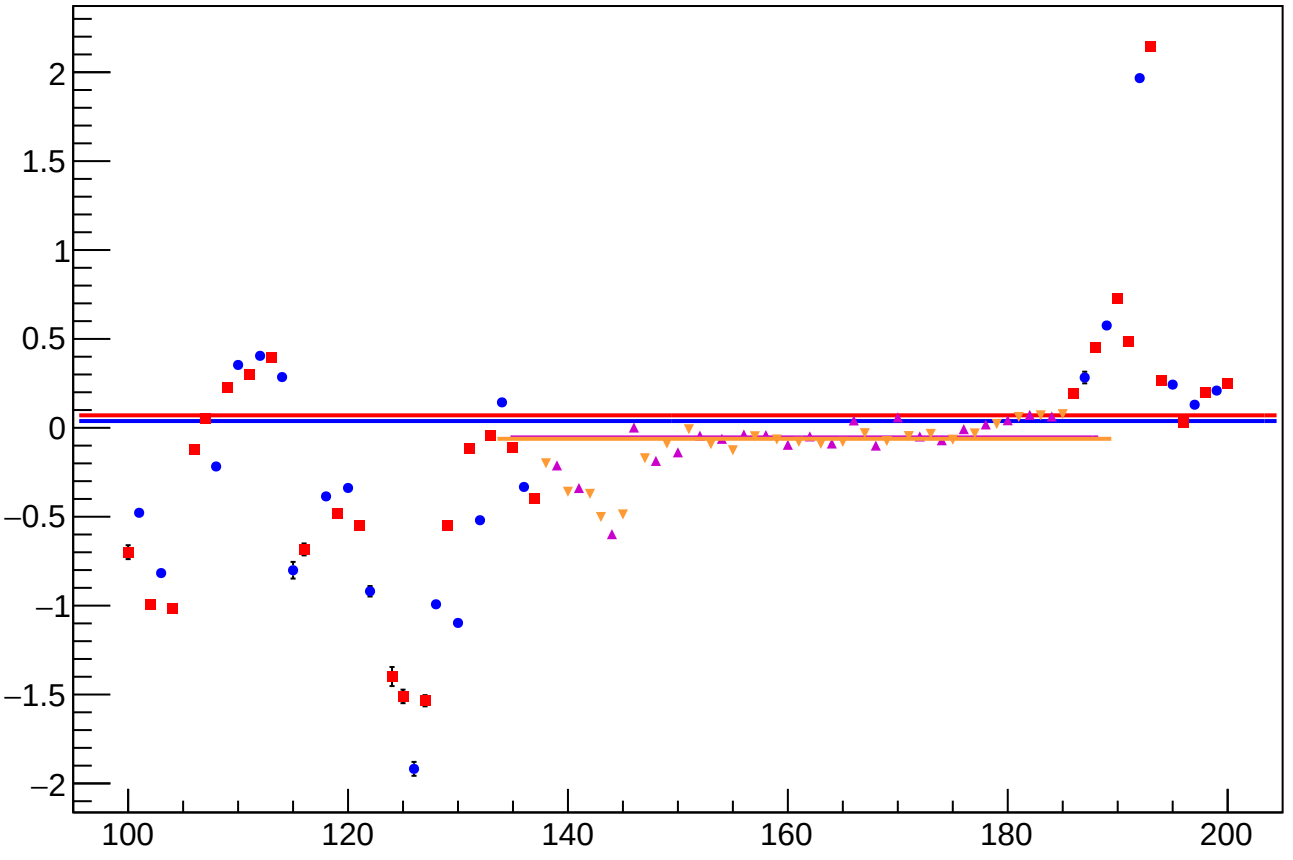
Right Out: -0.743+/-0.055 χ^2/NDF: 5573.2/27

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.086+/-0.031 χ^2/NDF: 14337.5/46

All: -1.038+/-0.021 χ^2/NDF: 26973.2/97

- sign -0.994+/-0.029 χ^2/NDF: 12631.1/50



Right In: 0.038+/-0.003 χ^2/NDF: 33199.4/21

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.070+/-0.003 χ^2/NDF: 33886.9/27

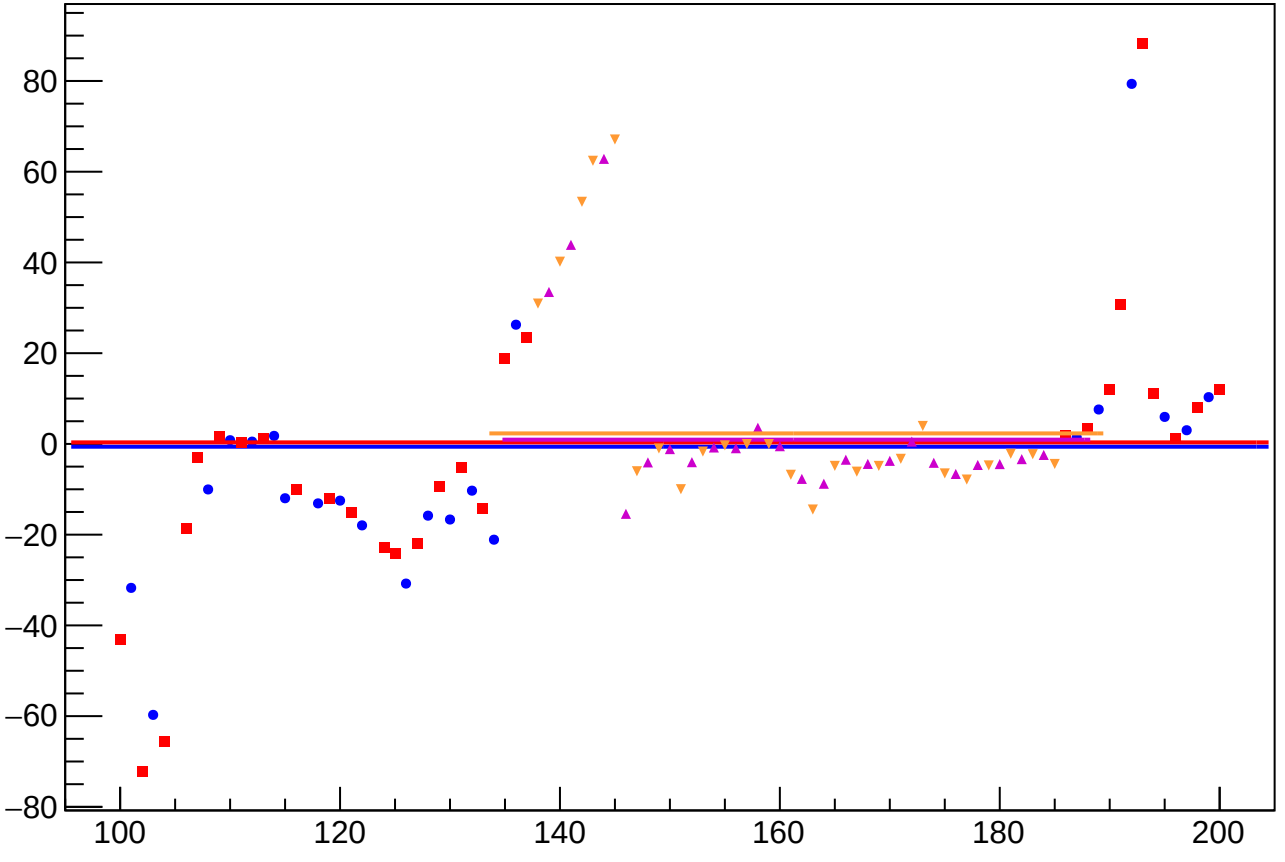
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.038+/-0.001 χ^2/NDF: 39851.4/46

All: -0.030+/-0.001 χ^2/NDF: 80513.5/97

- sign -0.024+/-0.001 χ^2/NDF: 40604.2/50

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -0.613+/-0.046 χ^2/NDF: 115960.0/21

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.340+/-0.038 χ^2/NDF: 119147.3/27

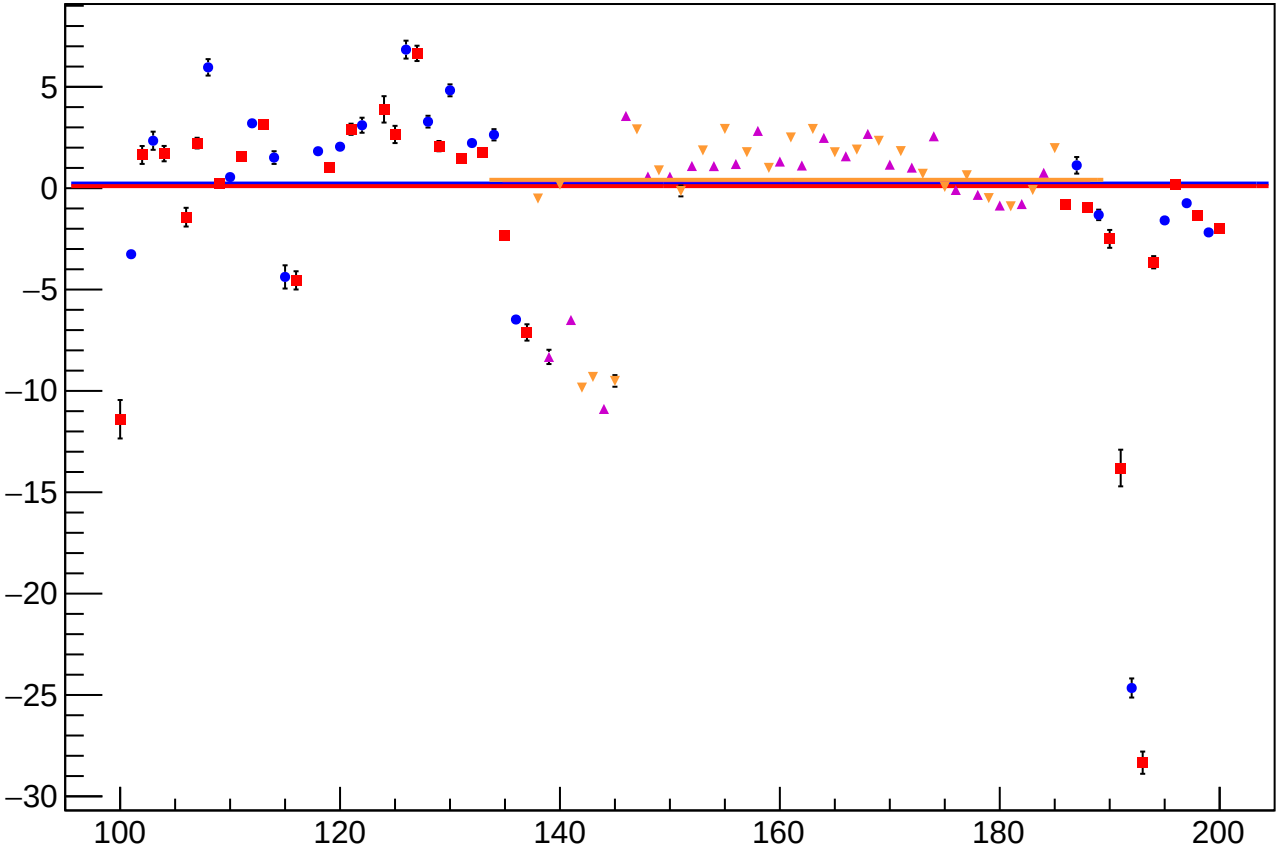
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.046+/-0.030 χ^2/NDF: 295021.1/46

All: 0.815+/-0.020 χ^2/NDF: 546797.0/97

- sign 0.624+/-0.028 χ^2/NDF: 251669.2/50

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.229+/-0.051 χ^2/NDF: 5899.2/21

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.102+/-0.047 χ^2/NDF: 5191.7/27

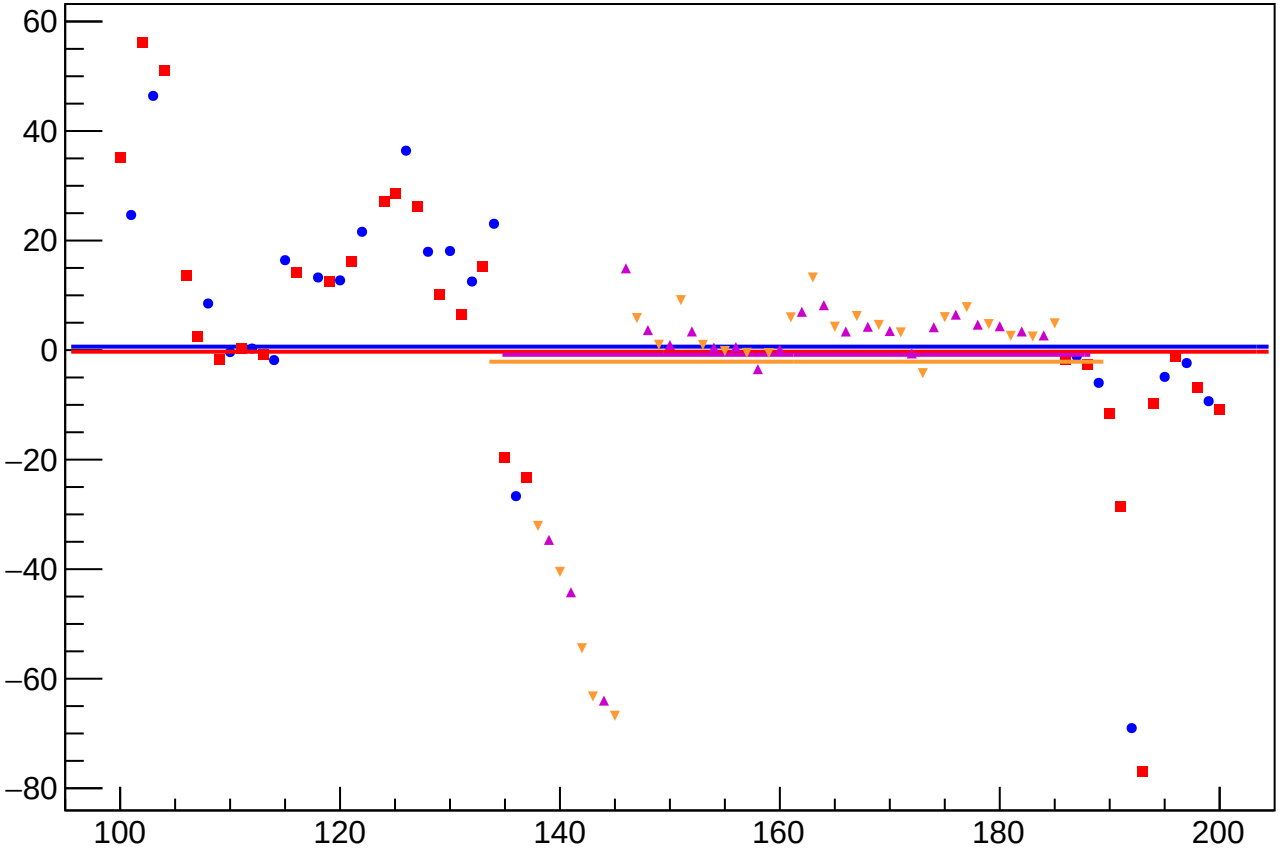
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.360+/-0.028 χ^2/NDF: 12955.8/46

All: 0.328+/-0.019 χ^2/NDF: 25290.0/97

- sign 0.300+/-0.026 χ^2/NDF: 12331.8/50

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 0.630+/-0.048 χ^2/NDF: 115178.4/21

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.292+/-0.041 χ^2/NDF: 117664.2/27

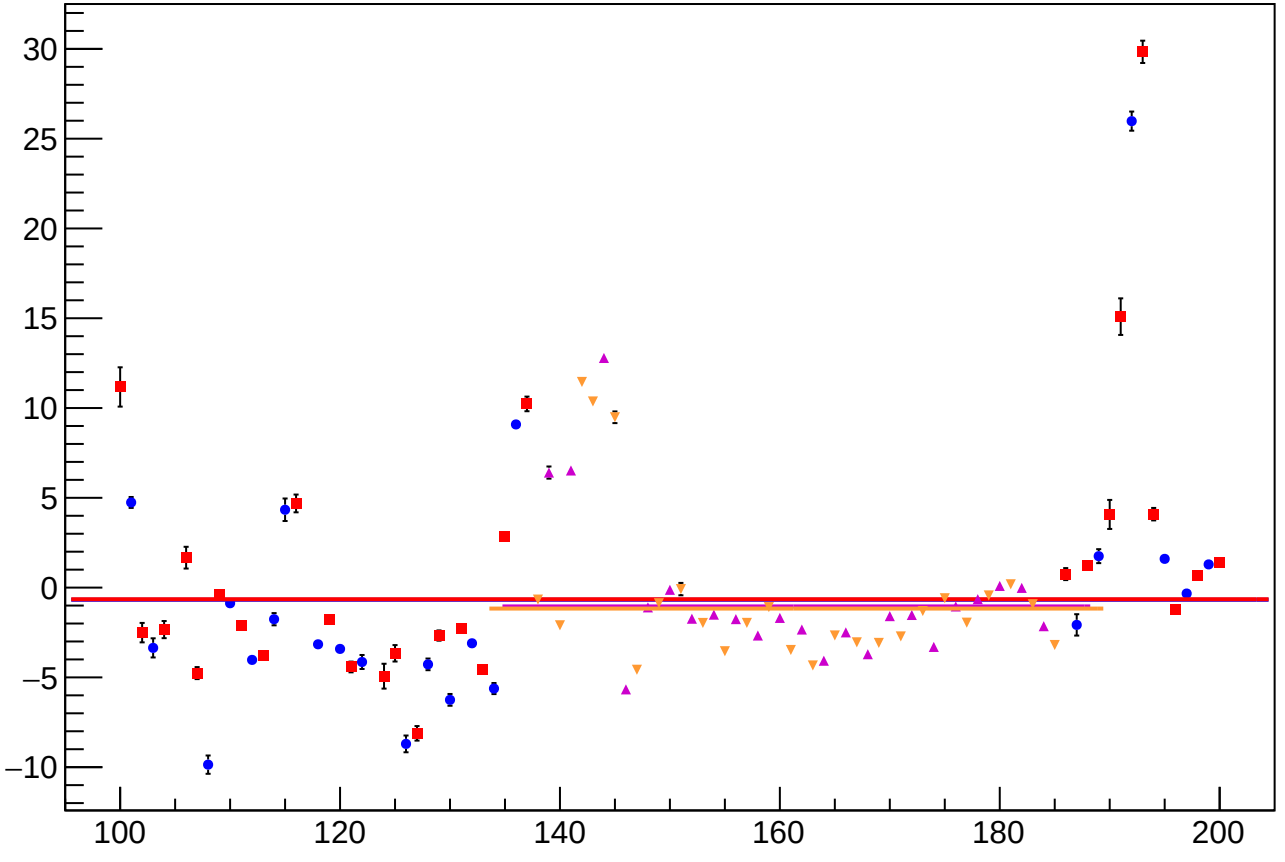
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.993+/-0.031 χ^2/NDF: 288142.1/46

All: -0.773+/-0.021 χ^2/NDF: 535085.3/97

- sign -0.587+/-0.028 χ^2/NDF: 246849.0/50

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.677+/-0.060 χ^2/NDF: 7401.9/21

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

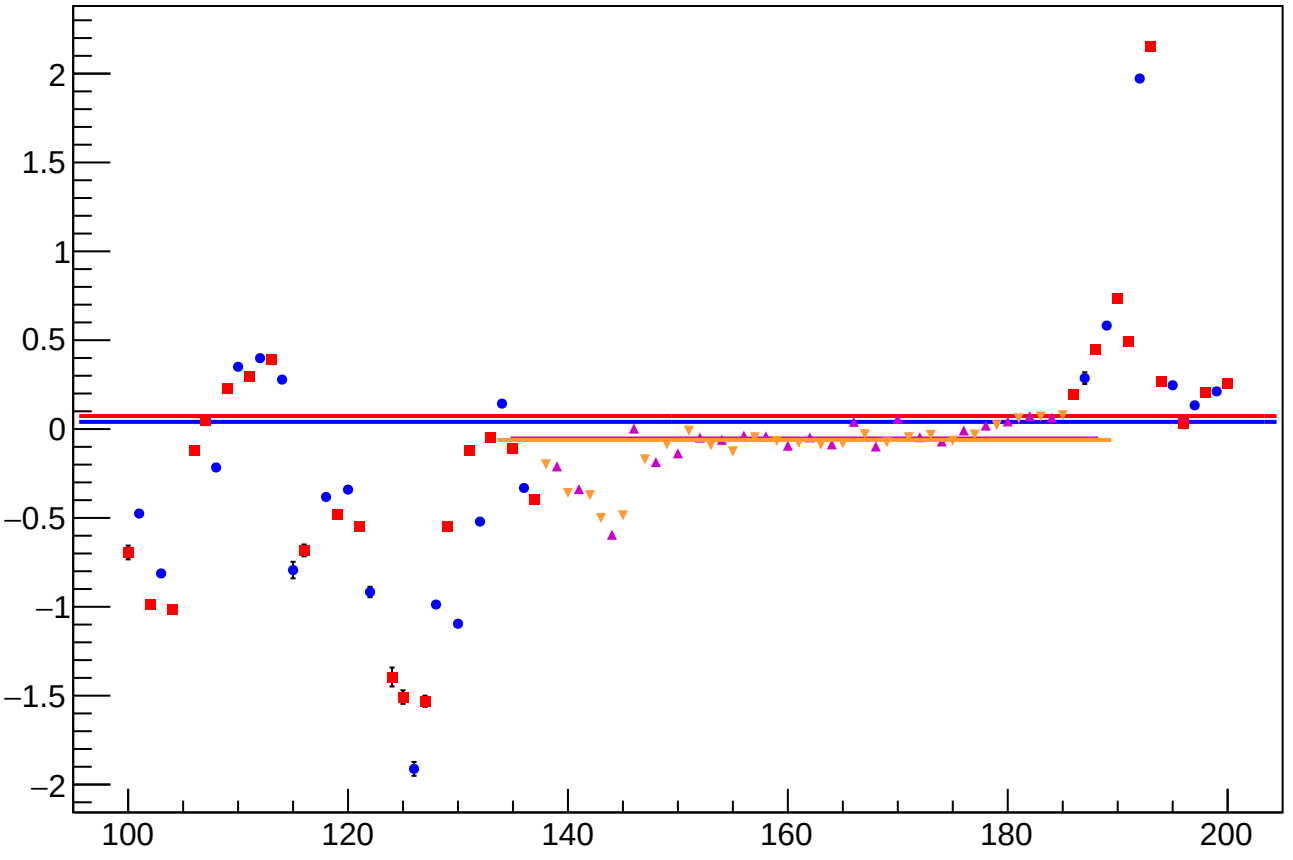
Right Out: -0.649+/-0.055 χ^2/NDF: 5727.1/27

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.036+/-0.031 χ^2/NDF: 14452.4/46

All: -0.983+/-0.021 χ^2/NDF: 27263.7/97

- sign -0.934+/-0.029 χ^2/NDF: 12805.6/50



Right In: 0.040+/-0.003 χ^2/NDF: 33465.9/21

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.073+/-0.003 χ^2/NDF: 34197.2/27

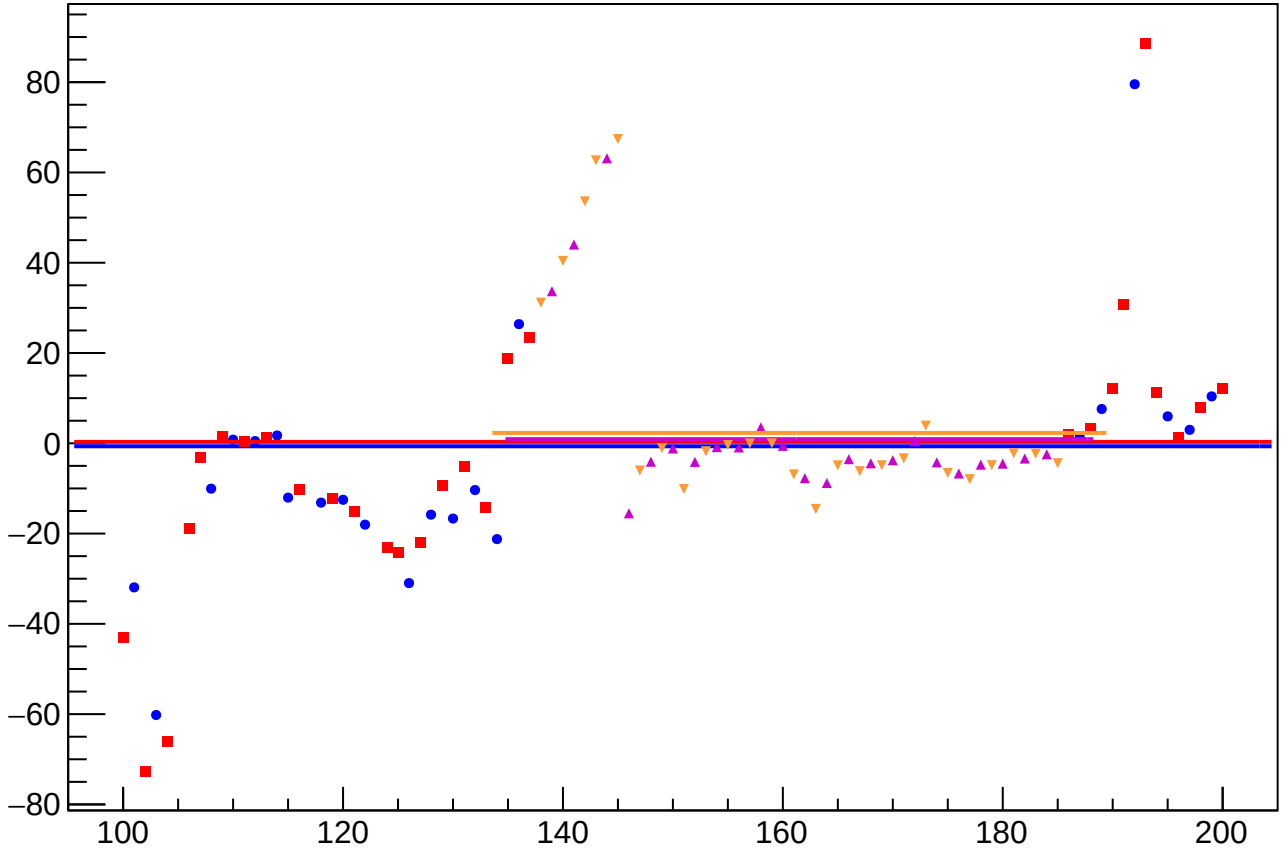
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.037+/-0.001 χ^2/NDF: 40178.9/46

All: -0.029+/-0.001 χ^2/NDF: 81206.1/97

- sign -0.022+/-0.001 χ^2/NDF: 40965.1/50

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -0.661+/-0.046 χ^2/NDF: 115953.7/21

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.316+/-0.038 χ^2/NDF: 119179.4/27

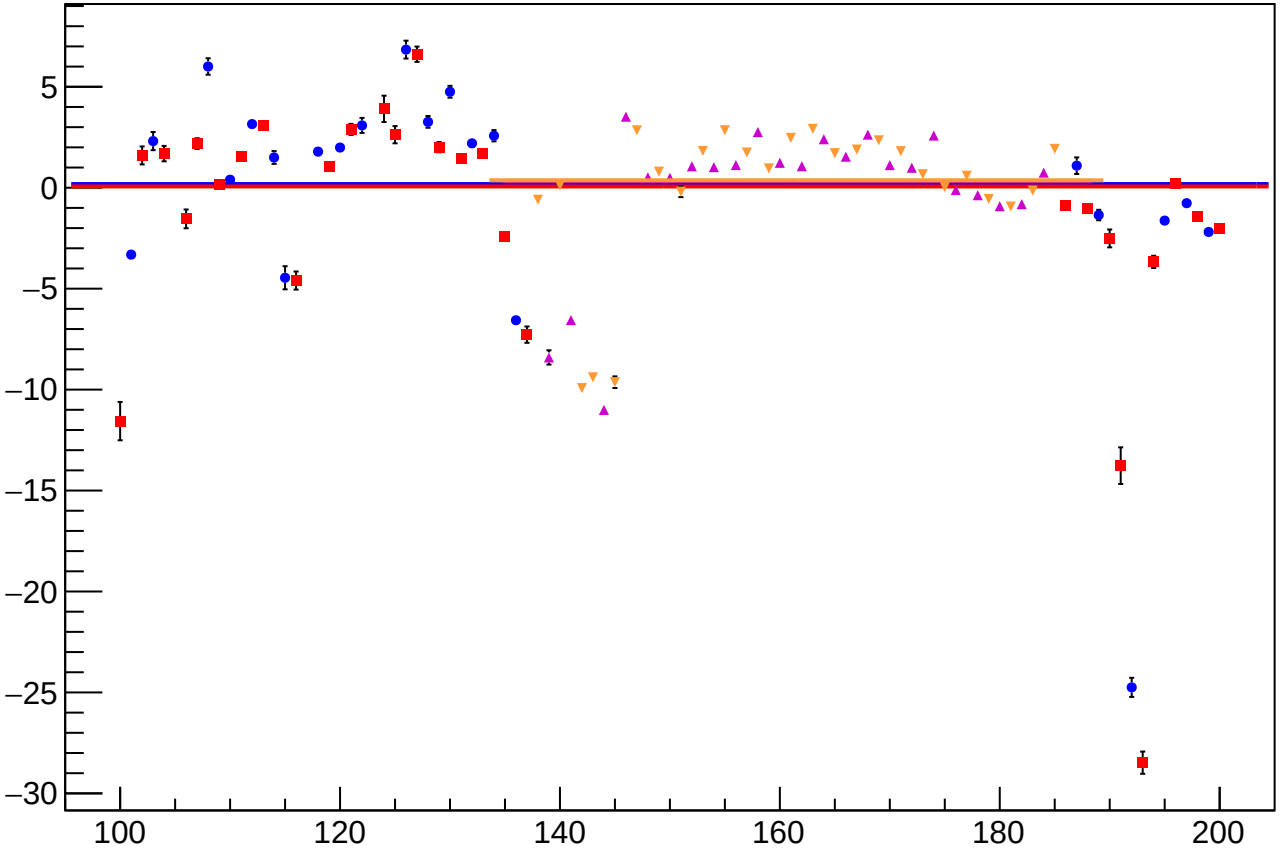
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.016+/-0.030 χ^2/NDF: 295469.3/46

All: 0.789+/-0.020 χ^2/NDF: 547441.2/97

- sign 0.601+/-0.028 χ^2/NDF: 251869.5/50

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.182+/-0.051 χ^2/NDF: 5883.5/21

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.063+/-0.047 χ^2/NDF: 5189.6/27

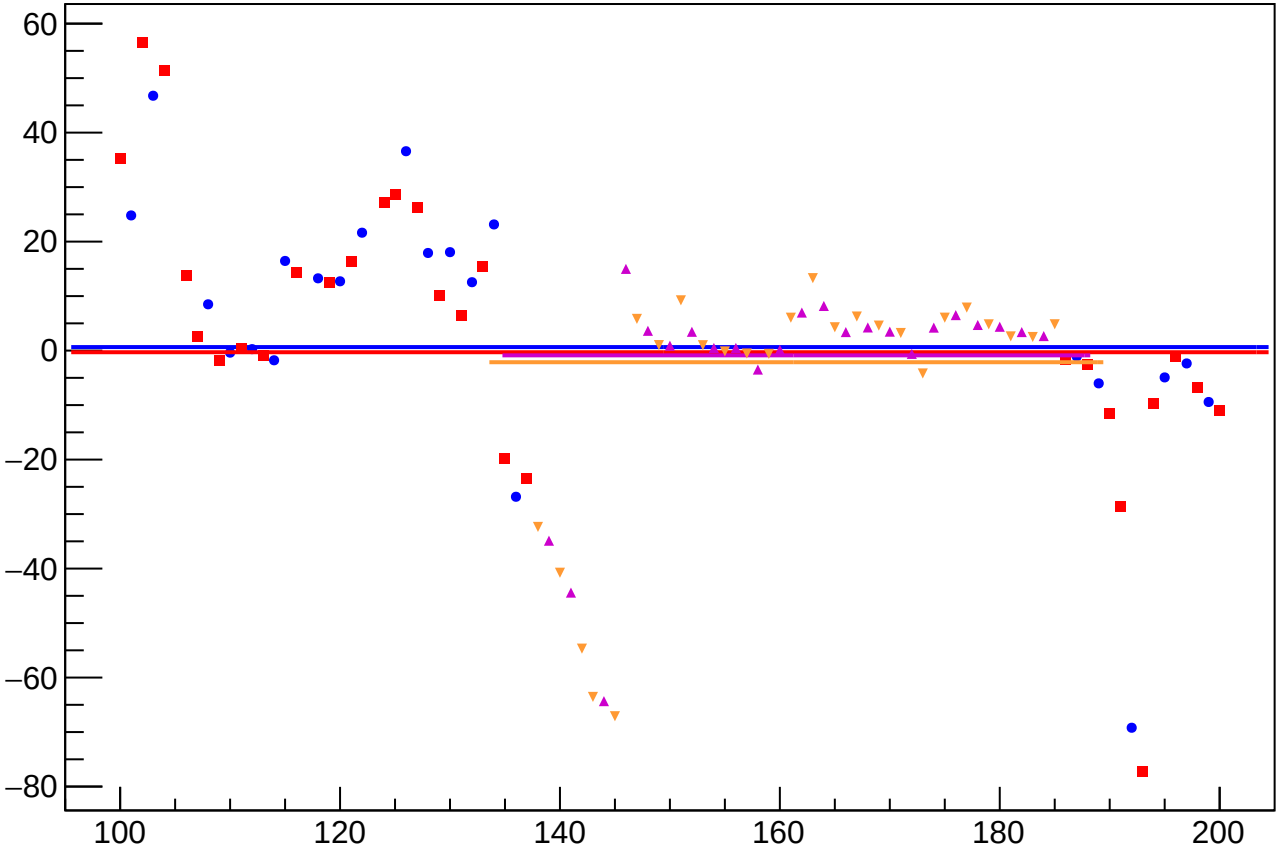
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.314+/-0.028 χ^2/NDF: 12960.7/46

All: 0.281+/-0.019 χ^2/NDF: 25270.5/97

- sign 0.253+/-0.026 χ^2/NDF: 12307.2/50

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 0.646+/-0.048 χ^2/NDF: 115186.5/21

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.299+/-0.041 χ^2/NDF: 117718.6/27

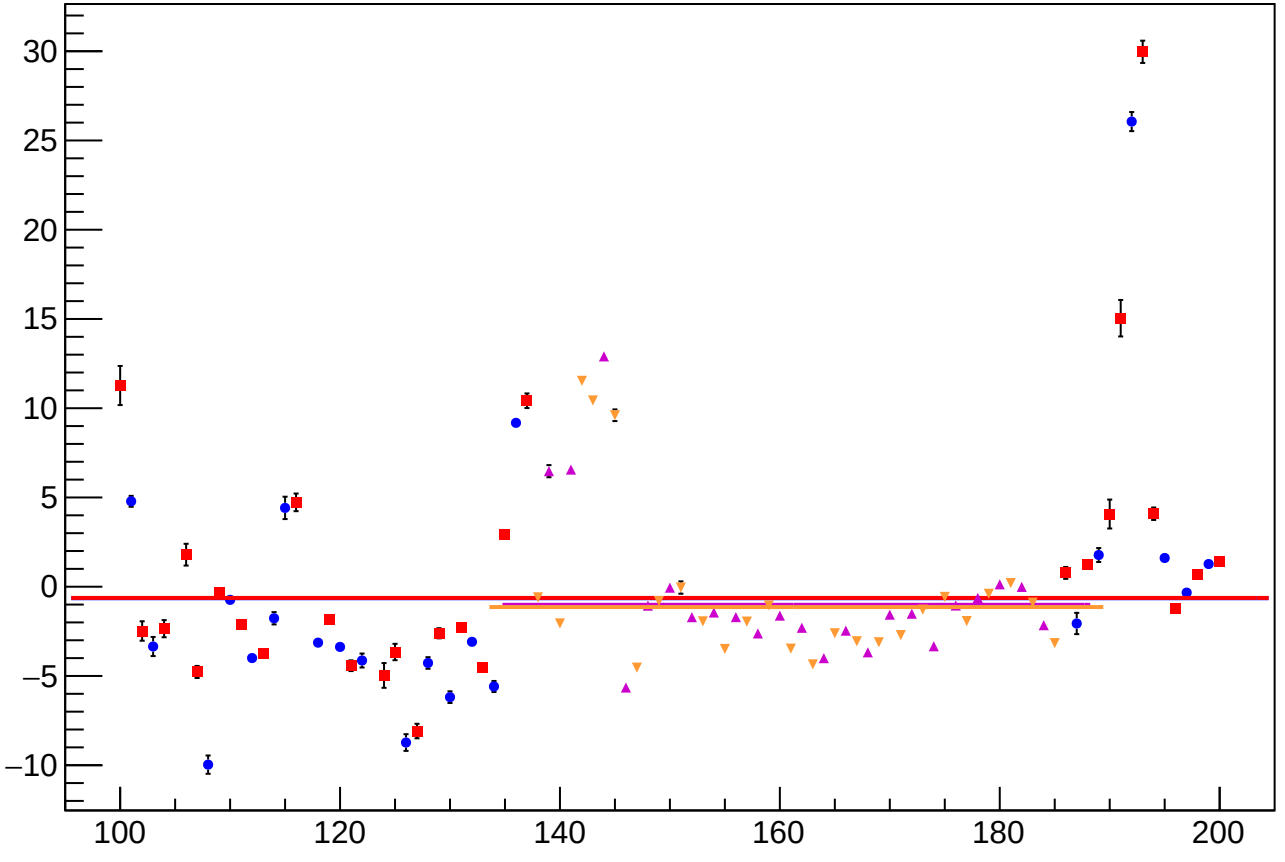
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.997+/-0.031 χ^2/NDF: 288598.7/46

All: -0.779+/-0.021 χ^2/NDF: 535772.9/97

- sign -0.597+/-0.028 χ^2/NDF: 247083.5/50

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.646+/-0.060 χ^2/NDF: 7394.4/21

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

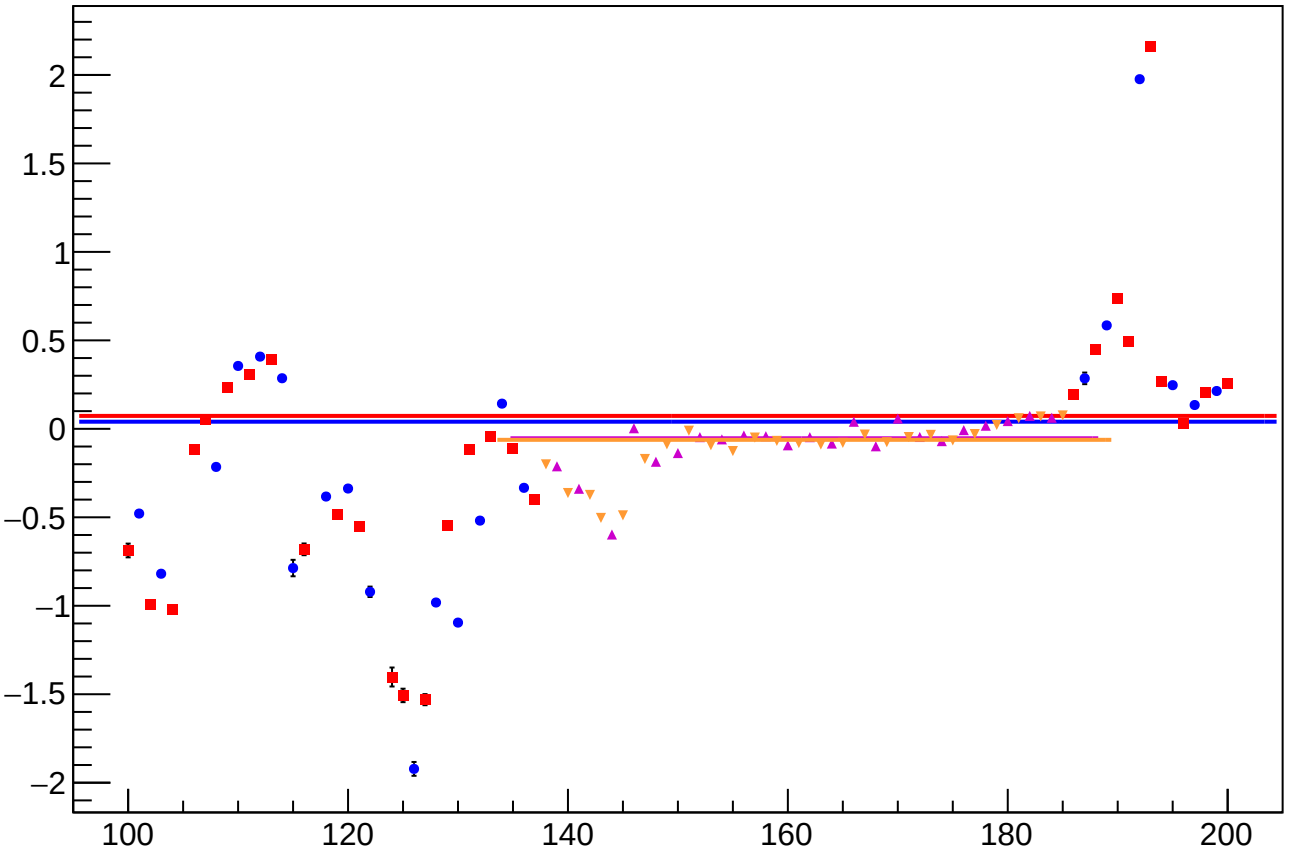
Right Out: -0.628+/-0.055 χ^2/NDF: 5736.1/27

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.008+/-0.031 χ^2/NDF: 14466.7/46

All: -0.953+/-0.021 χ^2/NDF: 27270.7/97

- sign -0.904+/-0.029 χ^2/NDF: 12798.2/50



Right In: 0.040+/-0.003 χ^2/NDF: 33458.9/21

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.073+/-0.003 χ^2/NDF: 34156.3/27

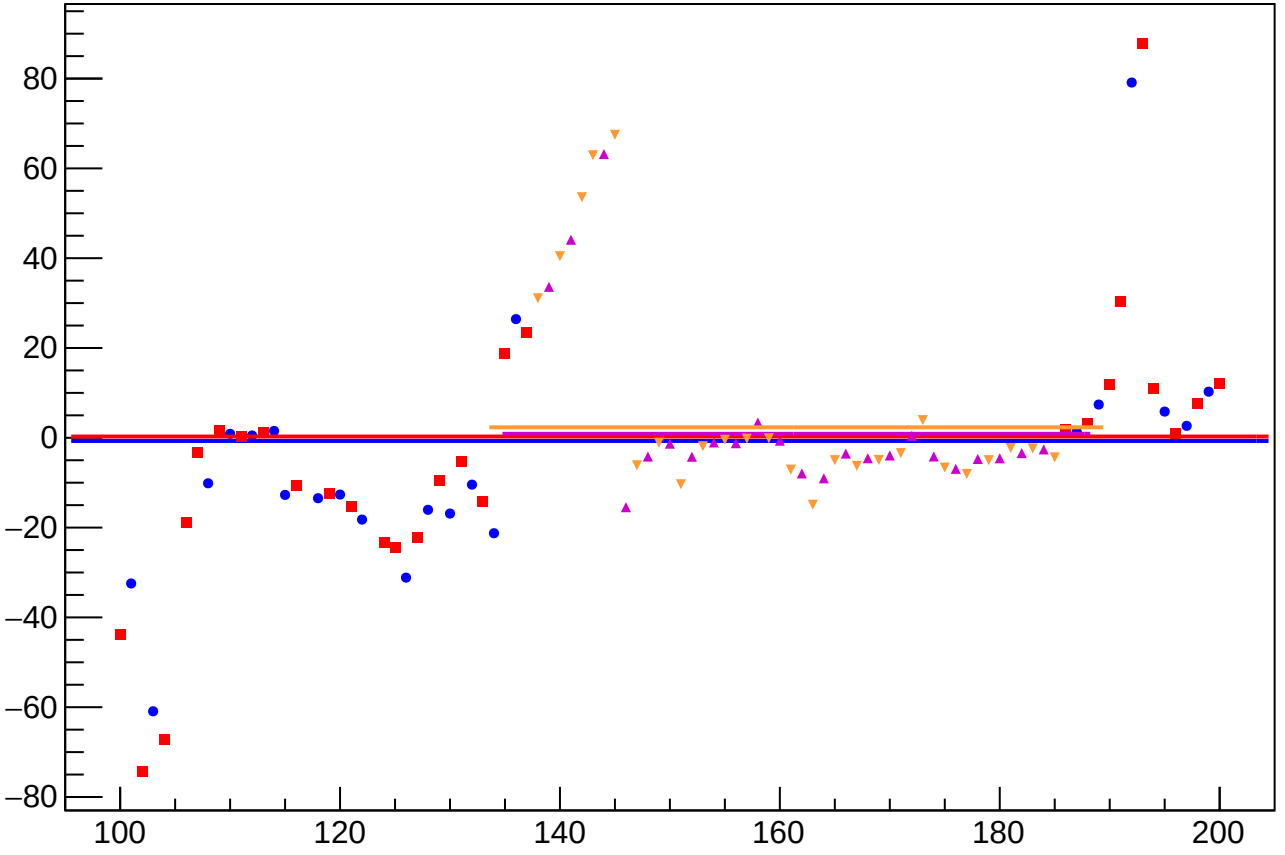
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.038+/-0.001 χ^2/NDF: 40182.4/46

All: -0.030+/-0.001 χ^2/NDF: 81144.7/97

- sign -0.022+/-0.001 χ^2/NDF: 40896.2/50

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -0.705+/-0.047 χ^2/NDF: 114135.6/21

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.281+/-0.039 χ^2/NDF: 117567.2/27

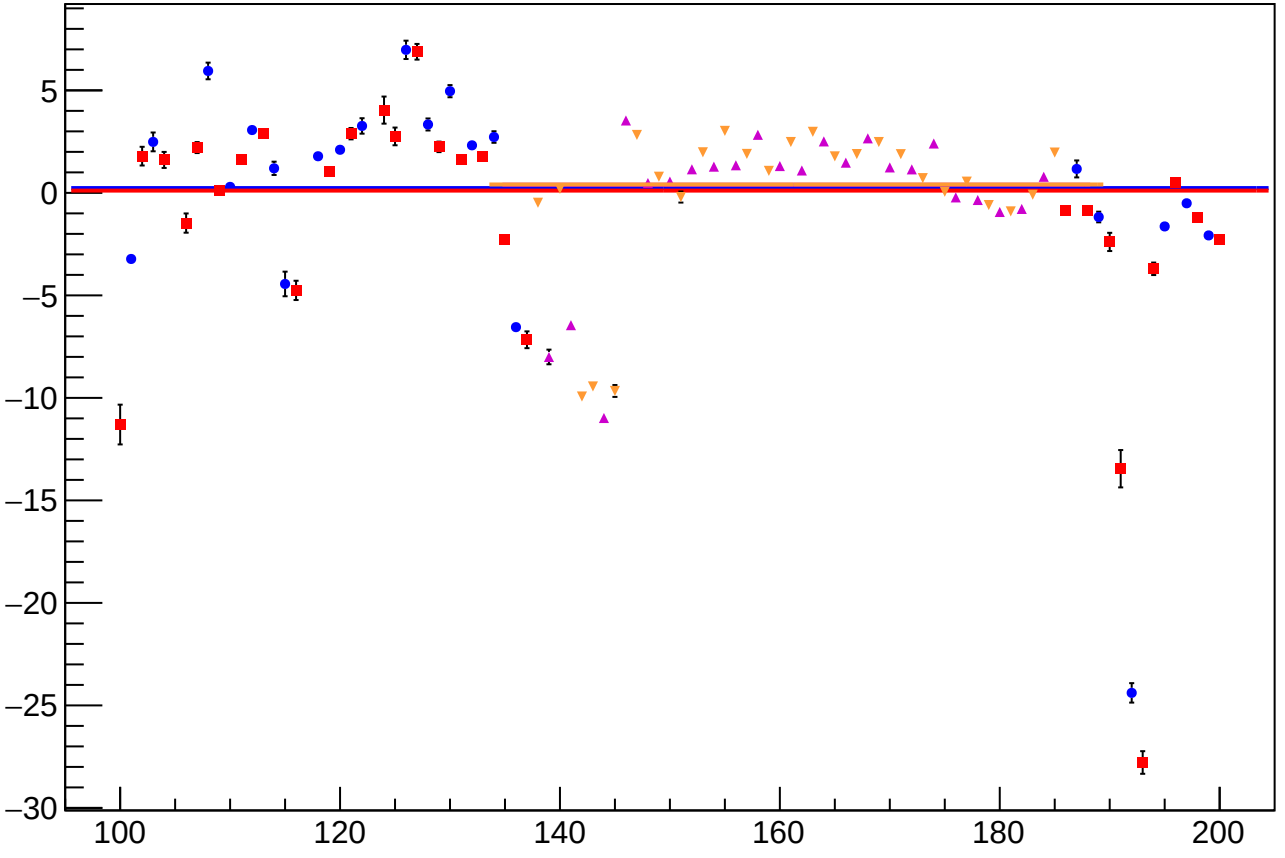
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.010+/-0.031 χ^2/NDF: 291155.4/46

All: 0.770+/-0.021 χ^2/NDF: 539365.9/97

- sign 0.570+/-0.028 χ^2/NDF: 248099.9/50

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.234+/-0.052 χ^2/NDF: 5719.9/21

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.111+/-0.048 χ^2/NDF: 4988.5/27

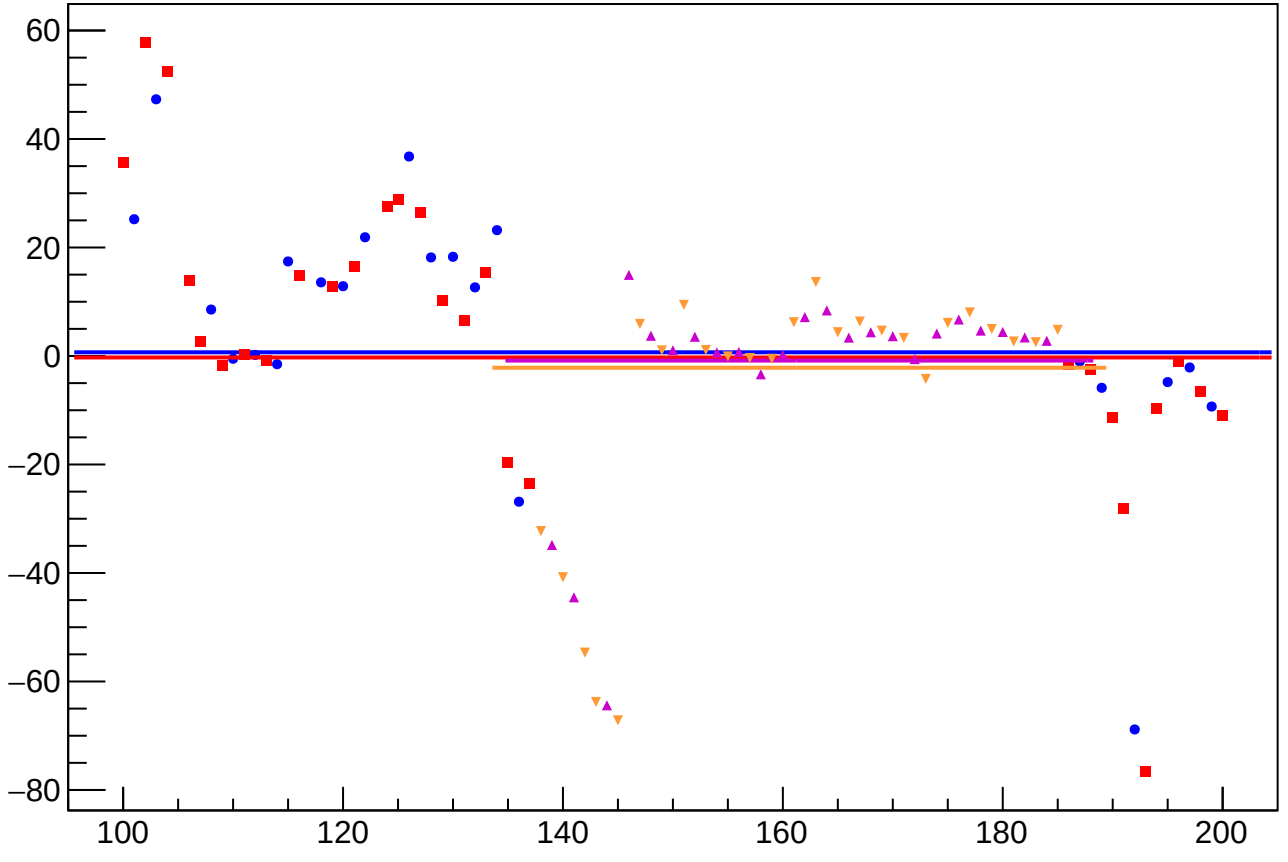
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.358+/-0.028 χ^2/NDF: 12775.8/46

All: 0.332+/-0.019 χ^2/NDF: 24722.5/97

- sign 0.308+/-0.027 χ^2/NDF: 11945.0/50

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 0.681+/-0.049 χ^2/NDF: 113401.3/21

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.272+/-0.042 χ^2/NDF: 116116.7/27

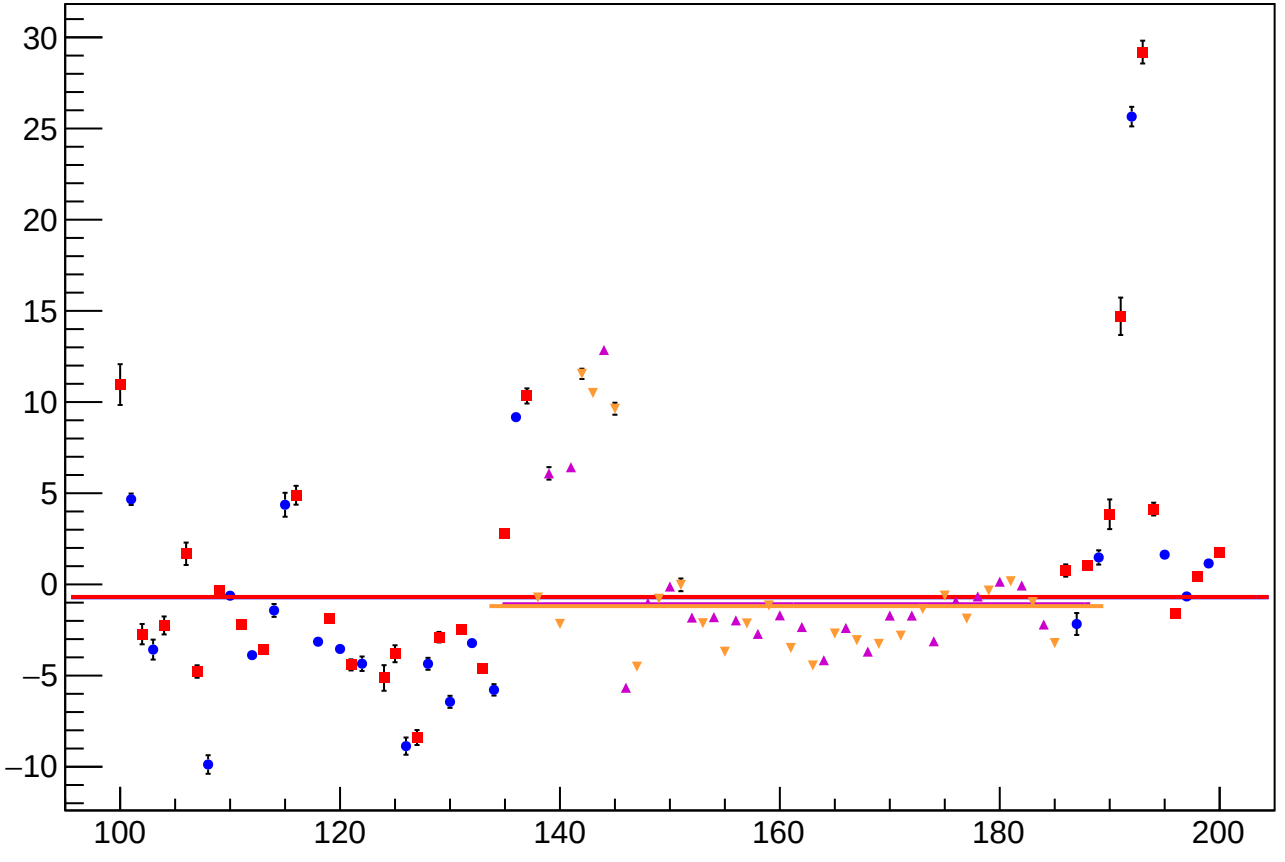
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.992+/-0.031 χ^2/NDF: 284368.4/46

All: -0.761+/-0.021 χ^2/NDF: 527816.8/97

- sign -0.567+/-0.029 χ^2/NDF: 243349.4/50

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.707+/-0.061 χ^2/NDF: 7232.5/21

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

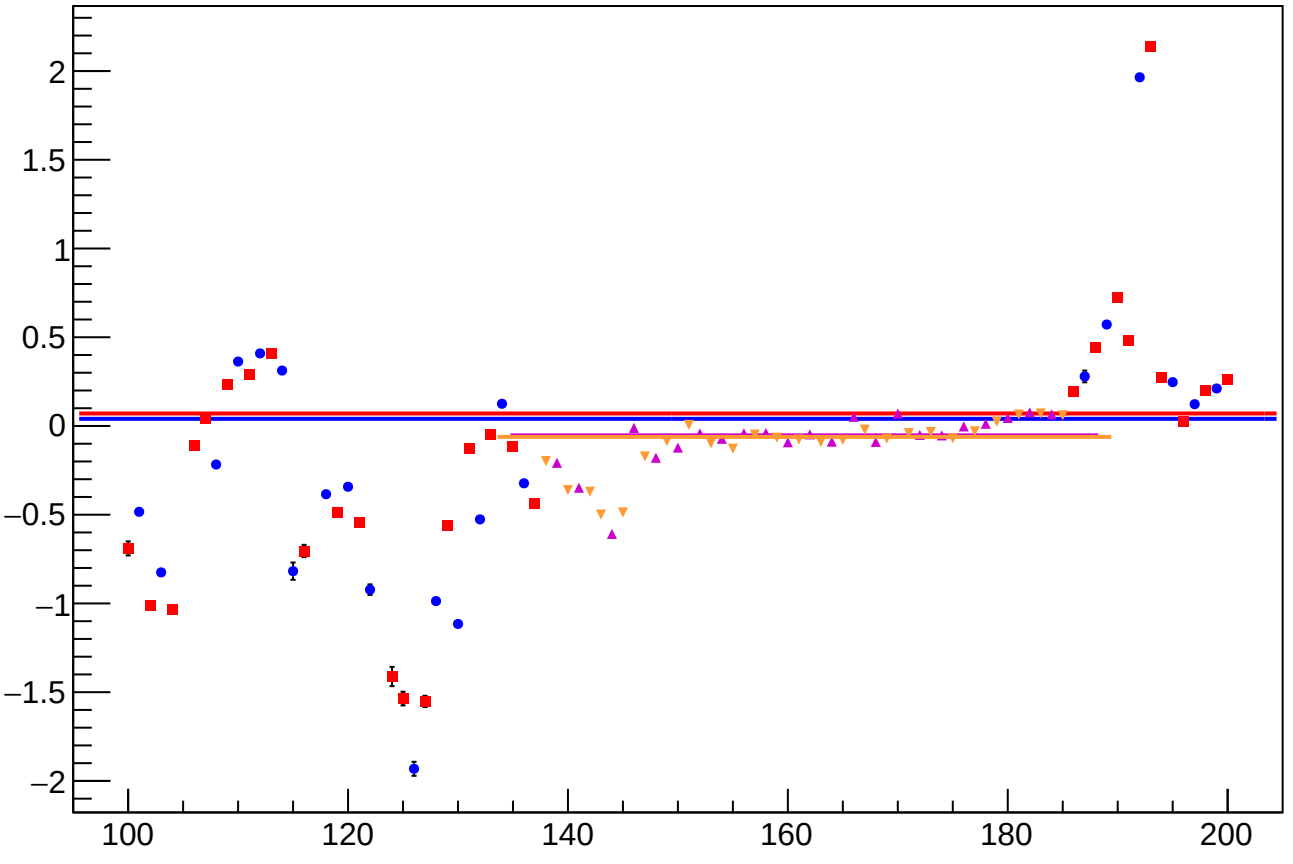
Right Out: -0.687+/-0.056 χ^2/NDF: 5541.3/27

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.061+/-0.032 χ^2/NDF: 14274.1/46

All: -1.015+/-0.022 χ^2/NDF: 26696.8/97

- sign -0.974+/-0.030 χ^2/NDF: 12418.7/50



Right In: 0.040+/-0.003 χ^2/NDF: 32733.8/21

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.070+/-0.003 χ^2/NDF: 33713.1/27

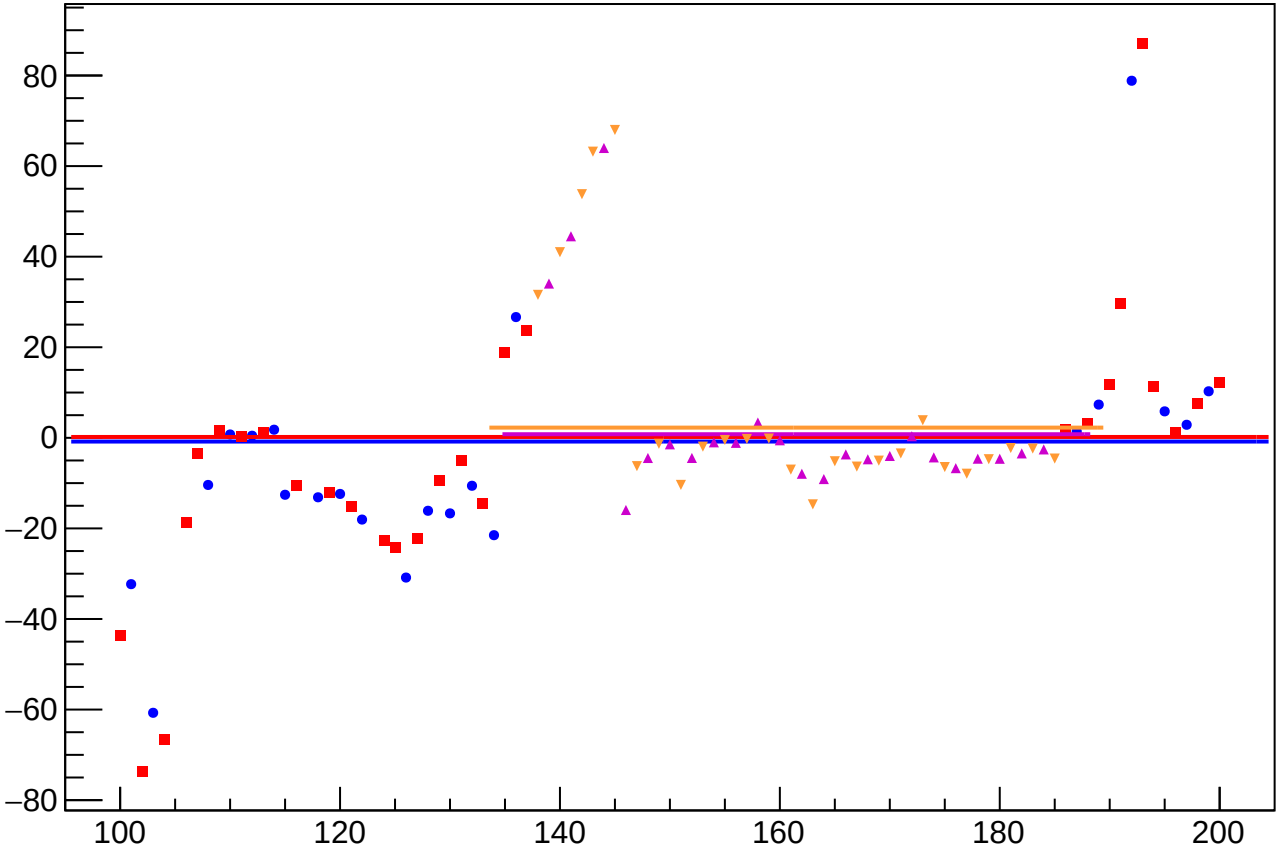
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.037+/-0.001 χ^2/NDF: 39248.4/46

All: -0.029+/-0.001 χ^2/NDF: 79671.7/97

- sign -0.022+/-0.001 χ^2/NDF: 40363.5/50

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -0.820+/-0.048 χ^2/NDF: 112429.7/21

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.190+/-0.040 χ^2/NDF: 115383.1/27

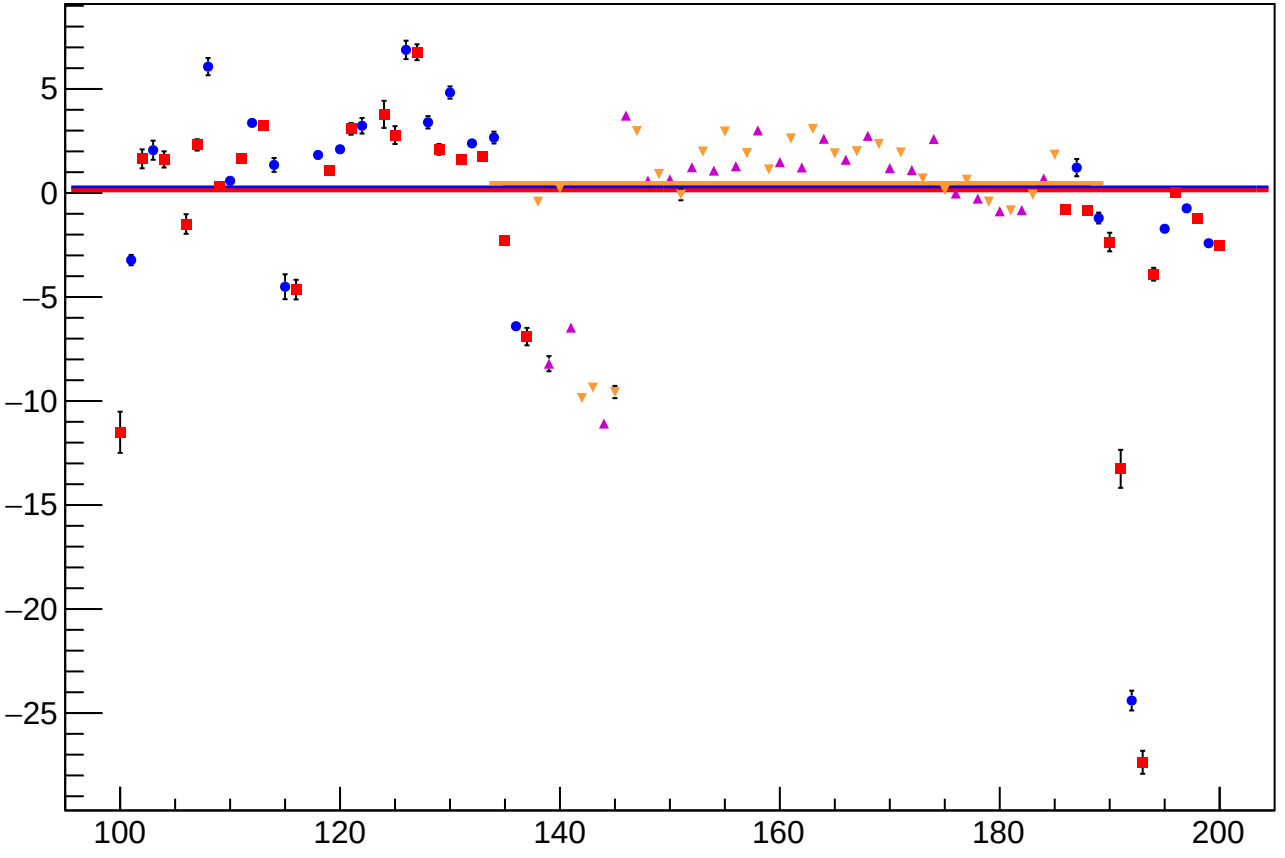
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.927+/-0.031 χ^2/NDF: 286471.5/46

All: 0.685+/-0.021 χ^2/NDF: 530904.5/97

- sign 0.482+/-0.029 χ^2/NDF: 244322.5/50

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.265+/-0.053 χ^2/NDF: 5690.6/21

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.129+/-0.048 χ^2/NDF: 4902.6/27

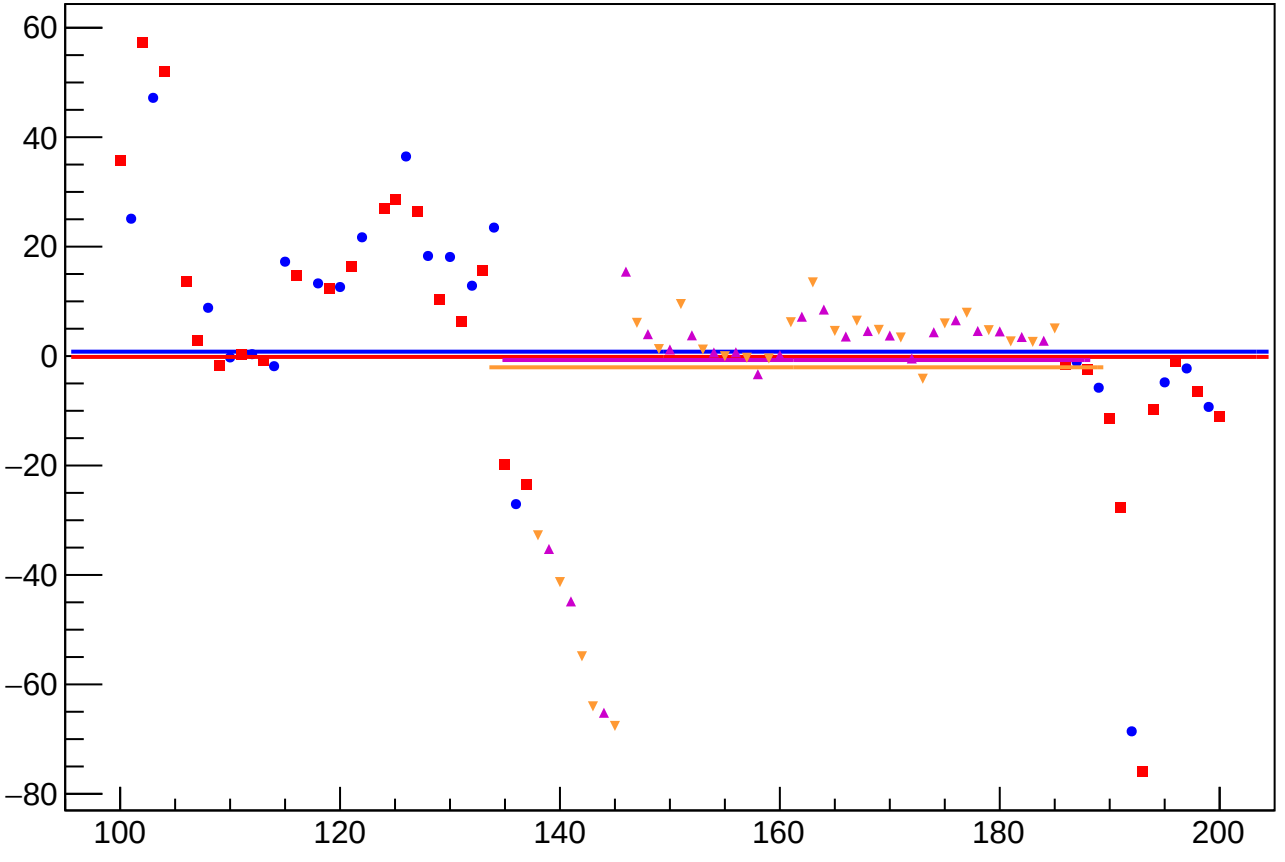
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.416+/-0.028 χ^2/NDF: 12510.4/46

All: 0.378+/-0.020 χ^2/NDF: 24338.7/97

- sign 0.344+/-0.027 χ^2/NDF: 11824.8/50

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 0.806+/-0.050 χ^2/NDF: 111694.4/21

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.153+/-0.042 χ^2/NDF: 113955.2/27

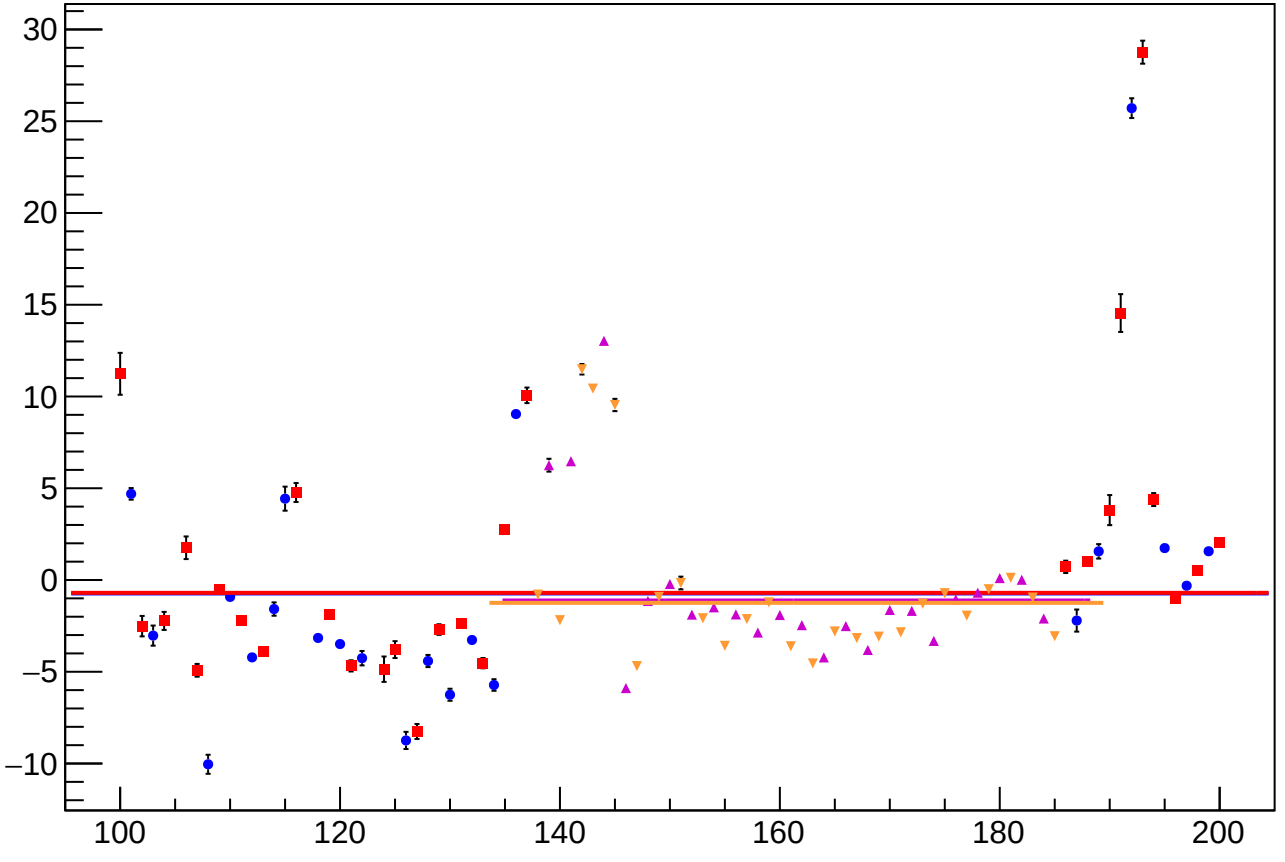
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.878+/-0.032 χ^2/NDF: 279653.0/46

All: -0.645+/-0.022 χ^2/NDF: 519332.5/97

- sign -0.448+/-0.029 χ^2/NDF: 239580.2/50

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.733+/-0.062 χ^2/NDF: 7116.6/21

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.699+/-0.057 χ^2/NDF: 5409.0/27

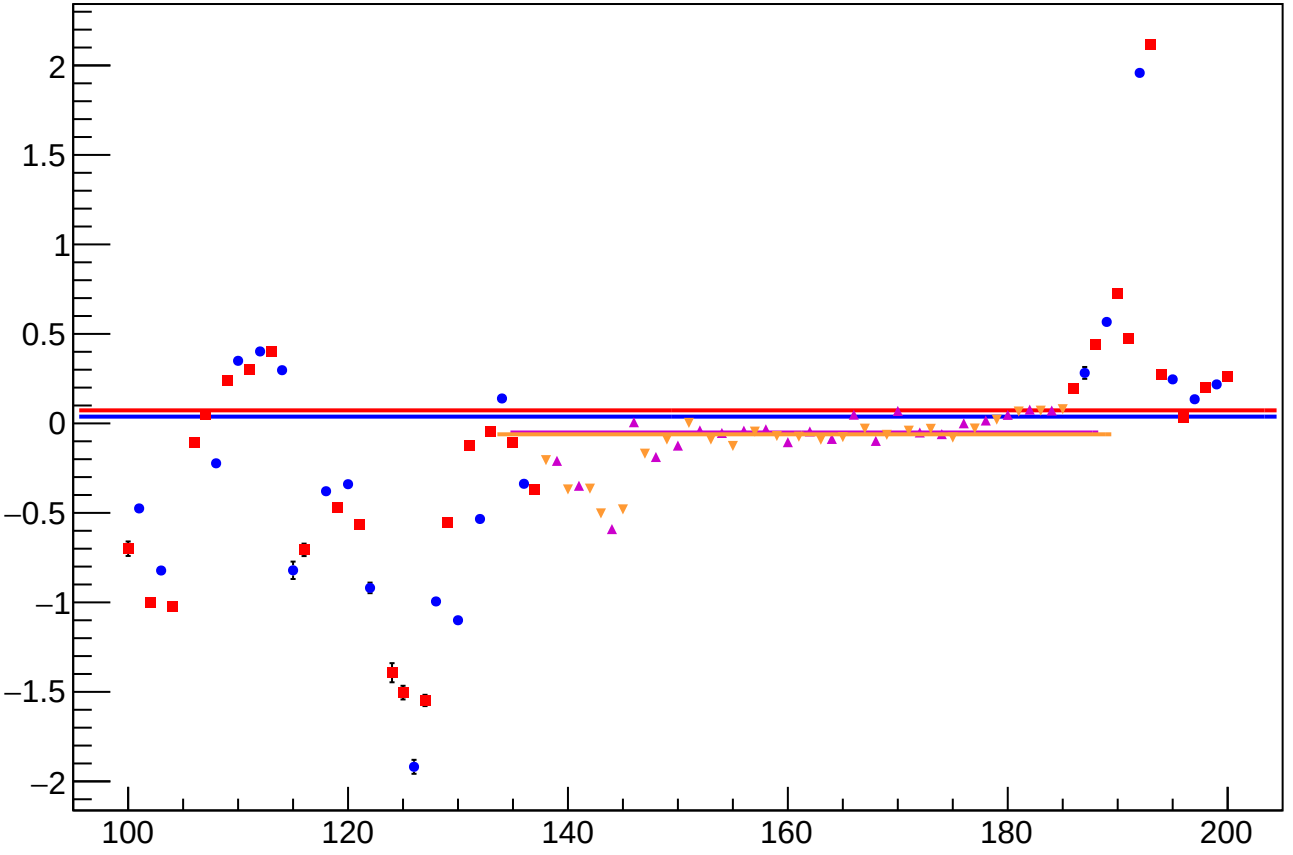
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.108+/-0.032 χ^2/NDF: 13935.6/46

All: -1.050+/-0.022 χ^2/NDF: 26229.5/97

- sign -0.998+/-0.030 χ^2/NDF: 12287.7/50

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.038+/-0.003 χ^2/NDF: 32361.7/21

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

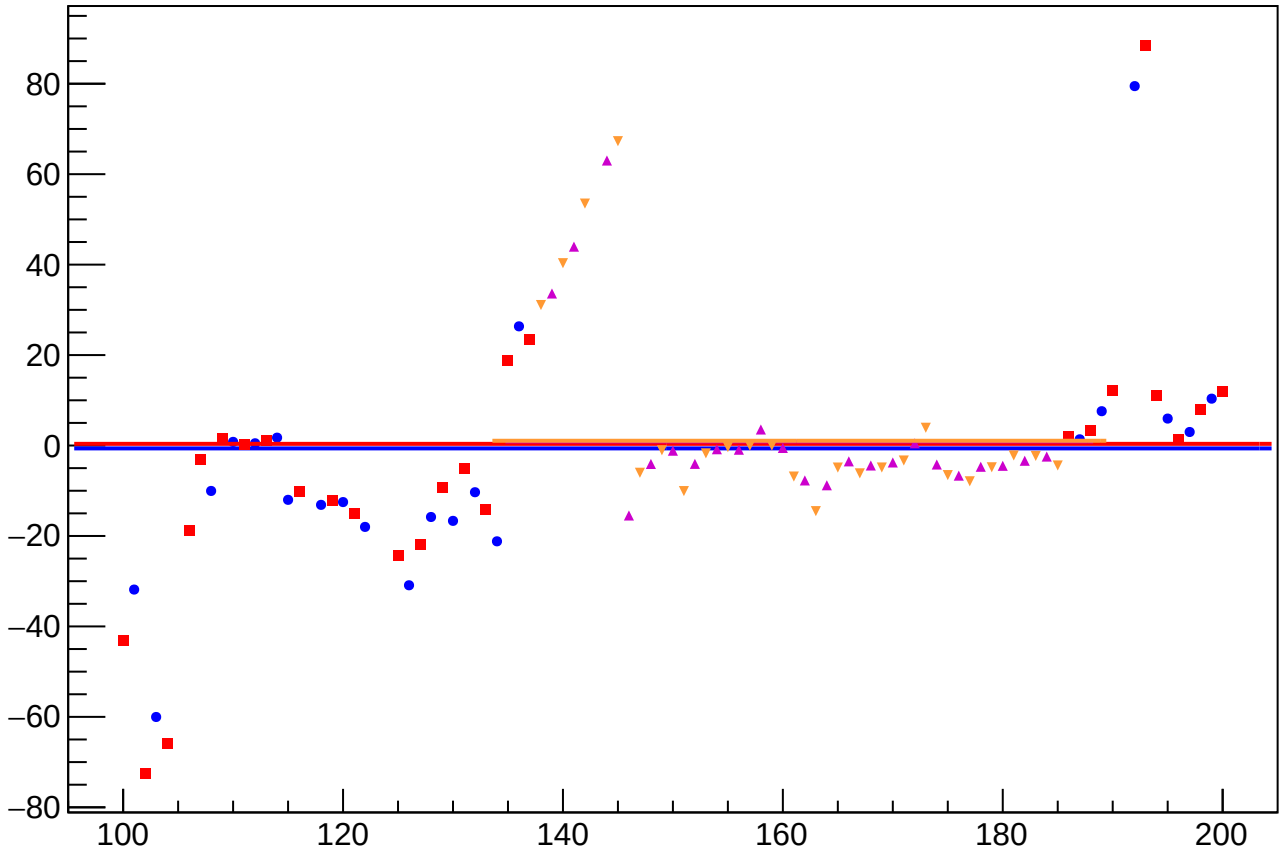
Right Out: 0.073+/-0.003 χ^2/NDF: 32821.4/27

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.037+/-0.001 χ^2/NDF: 38715.6/46

All: -0.028+/-0.001 χ^2/NDF: 78068.7/97

- sign -0.020+/-0.001 χ^2/NDF: 39277.5/50



Right In: -0.637+/-0.046 χ^2/NDF: 116168.2/21

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

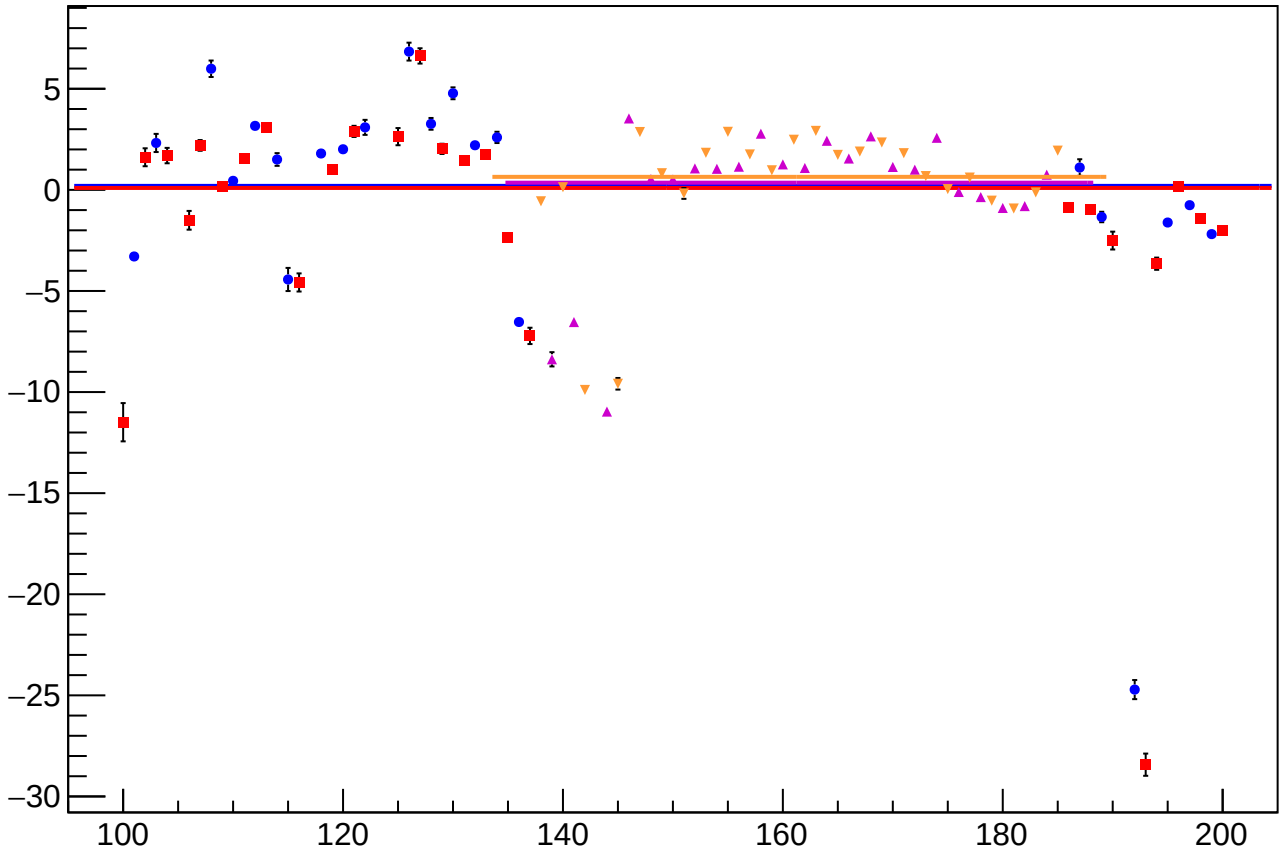
Right Out: 0.370+/-0.038 χ^2/NDF: 116507.9/25

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.312+/-0.030 χ^2/NDF: 247960.4/45

All: 0.487+/-0.020 χ^2/NDF: 497432.5/94

- sign 0.630+/-0.028 χ^2/NDF: 249412.1/48



Right In: 0.197+/-0.051 χ^2/NDF: 5899.8/21

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

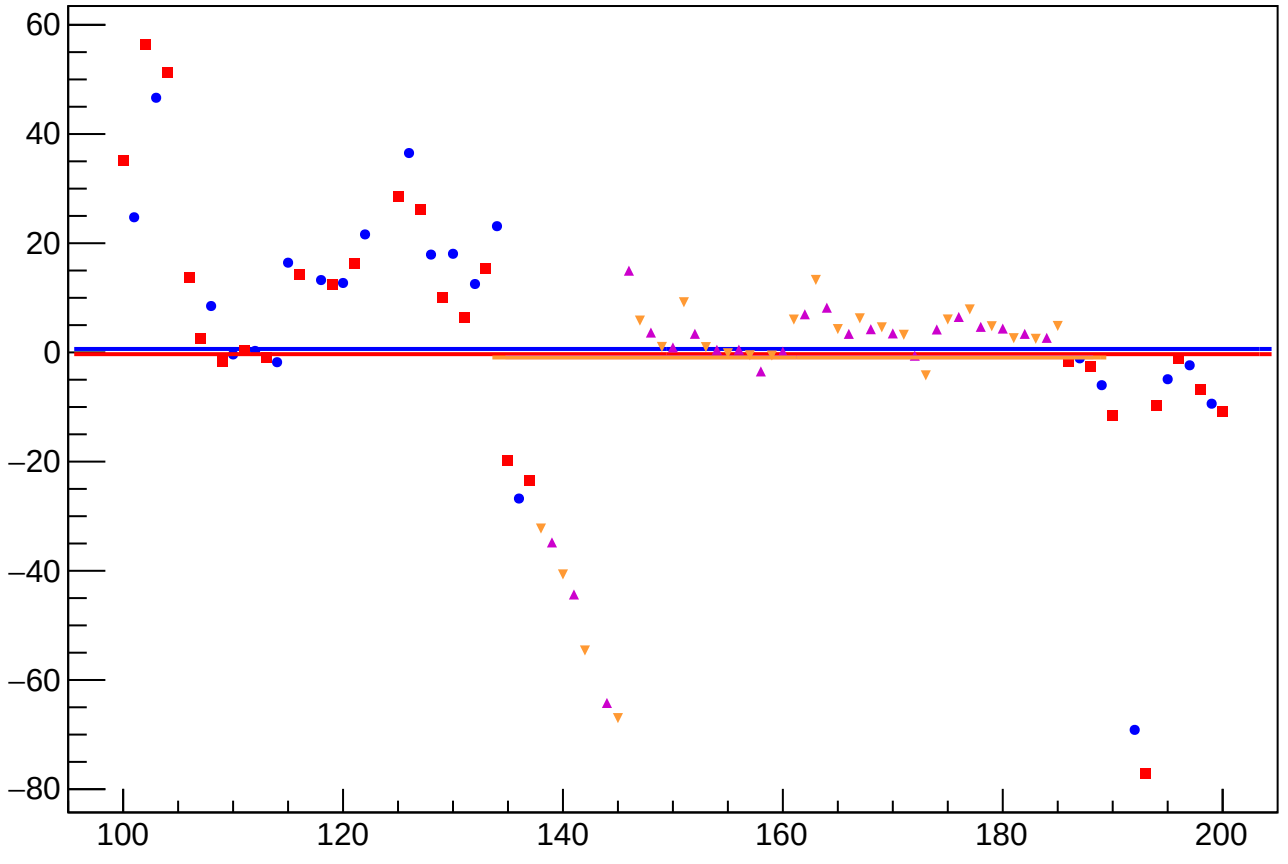
Right Out: 0.095+/-0.047 χ^2/NDF: 4931.3/25

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.511+/-0.028 χ^2/NDF: 10664.4/45

All: 0.386+/-0.019 χ^2/NDF: 22772.1/94

- sign 0.276+/-0.026 χ^2/NDF: 12069.4/48



Right In: 0.634+/-0.048 χ^2/NDF: 115394.8/21

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

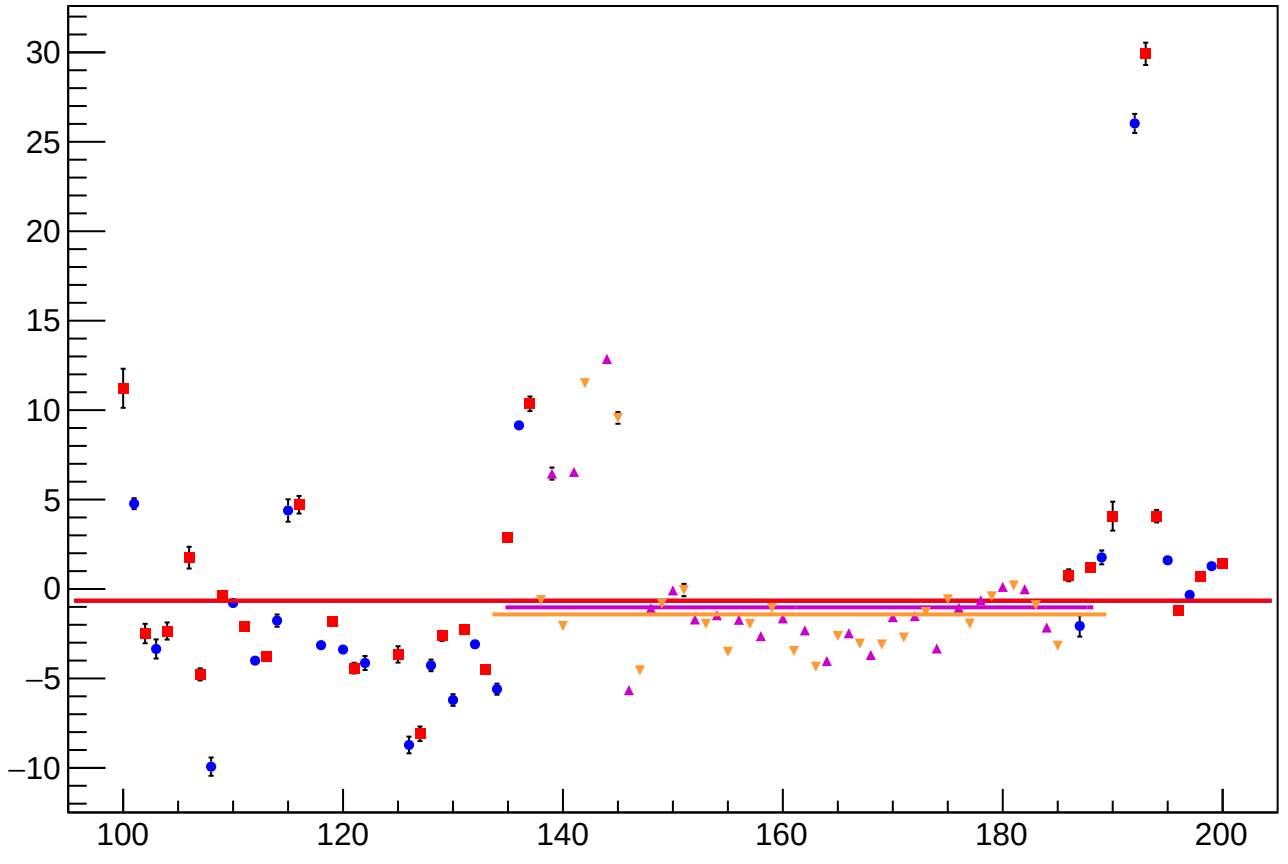
Right Out: -0.319+/-0.041 χ^2/NDF: 115131.6/25

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign -0.282+/-0.031 χ^2/NDF: 242388.3/45

All: -0.456+/-0.021 χ^2/NDF: 487153.7/94

\- sign -0.602+/-0.028 χ^2/NDF: 244707.7/48



Right In: -0.656+/-0.060 χ^2/NDF: 7412.2/21

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

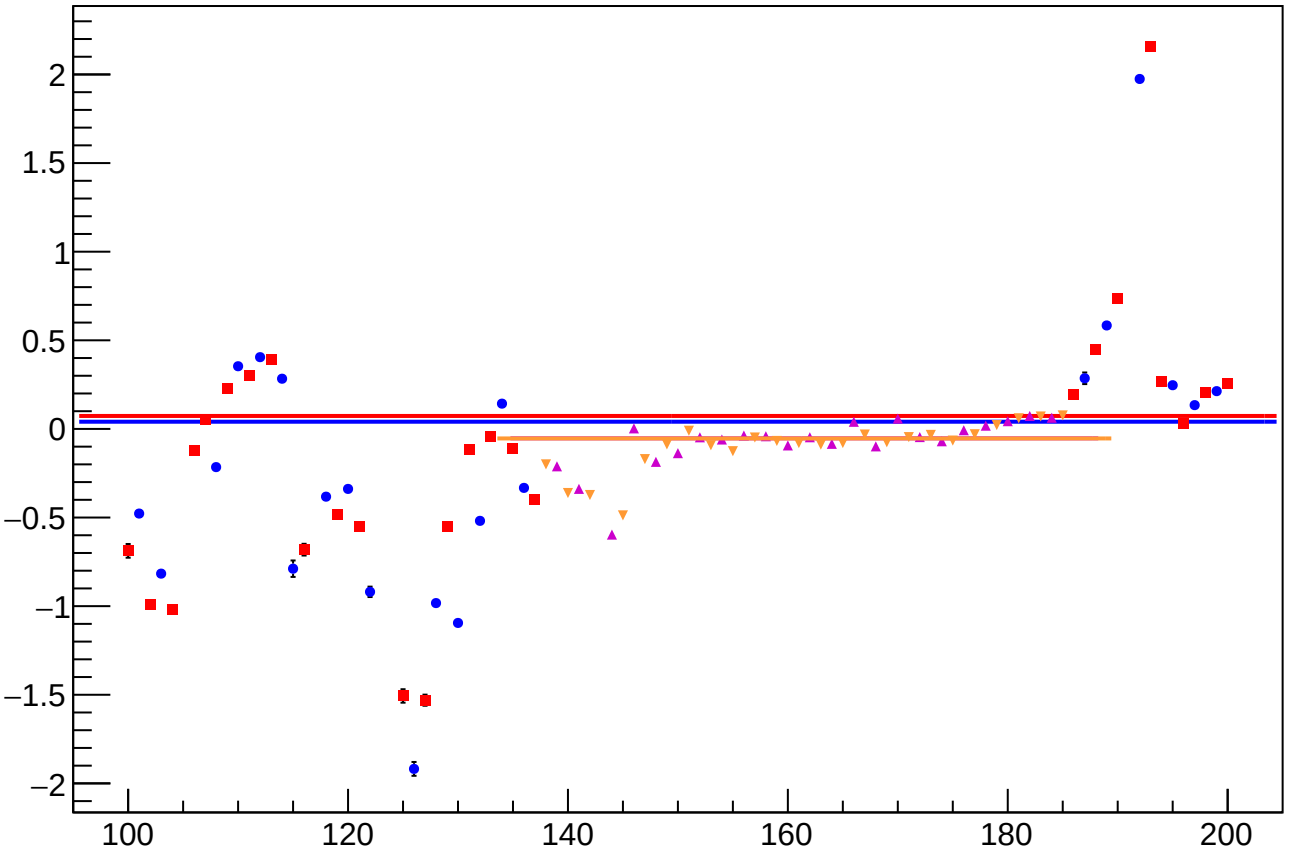
Right Out: -0.654+/-0.055 χ^2/NDF: 5468.9/25

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

\+ sign -1.213+/-0.031 χ^2/NDF: 12172.4/45

All: -1.058+/-0.021 χ^2/NDF: 24766.9/94

\- sign -0.921+/-0.029 χ^2/NDF: 12548.4/48



Right In: 0.041+/-0.003 χ^2/NDF: 33520.3/21

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

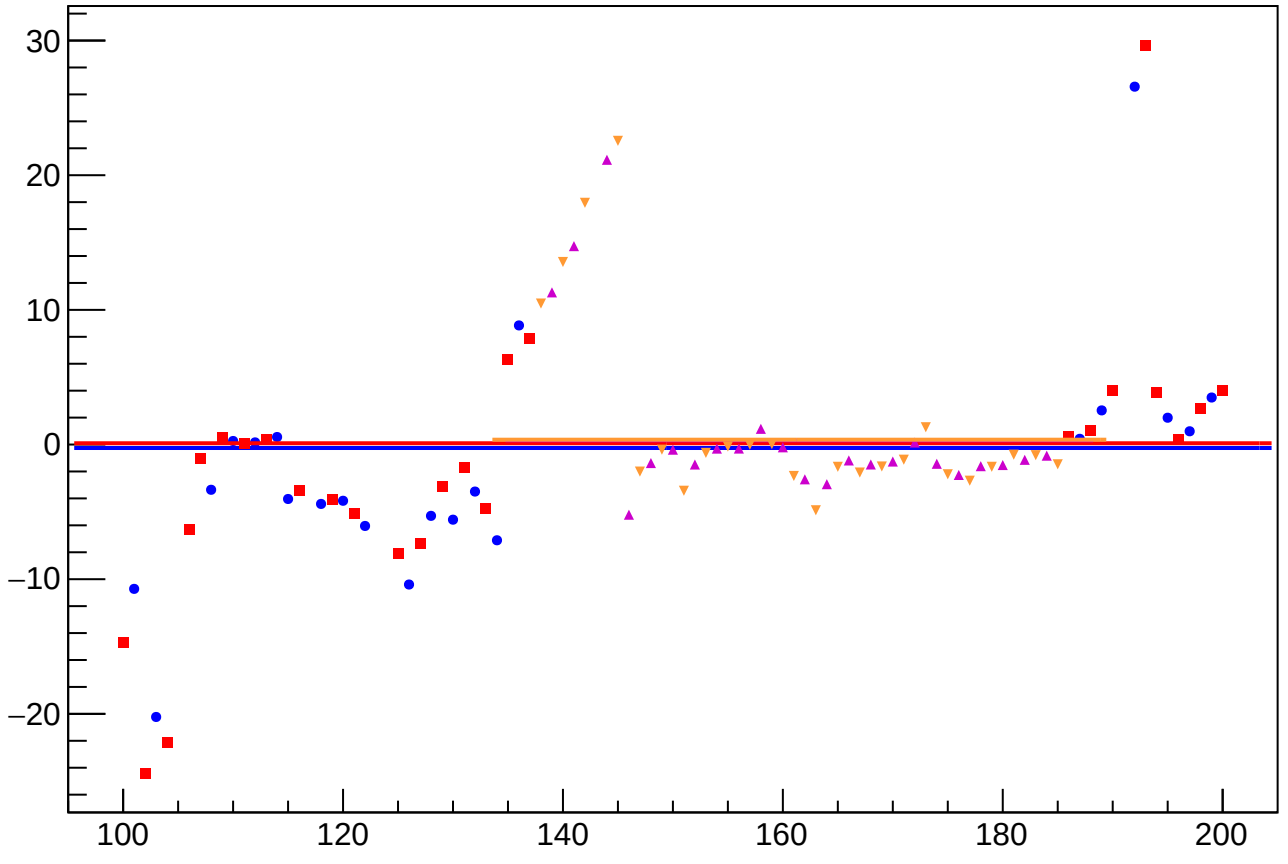
Right Out: 0.073+/-0.003 χ^2/NDF: 33246.4/25

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.031+/-0.001 χ^2/NDF: 38702.2/45

All: -0.026+/-0.001 χ^2/NDF: 78723.1/94

- sign -0.023+/-0.001 χ^2/NDF: 40001.0/48



Right In: -0.257+/-0.016 χ^2/NDF: 114107.2/21

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

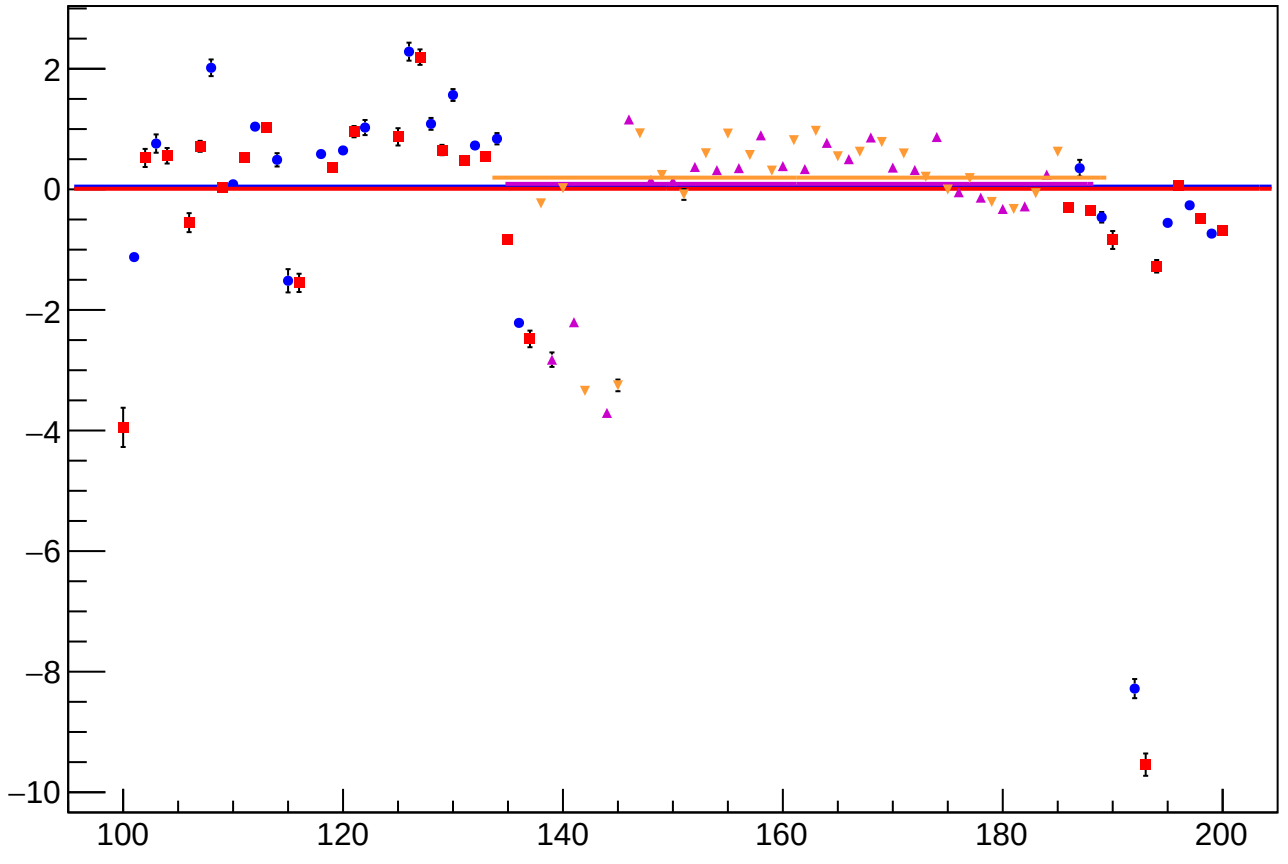
Right Out: 0.095+/-0.013 χ^2/NDF: 114697.8/25

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.091+/-0.010 χ^2/NDF: 243796.7/45

All: 0.152+/-0.007 χ^2/NDF: 488919.1/94

- sign 0.202+/-0.009 χ^2/NDF: 245059.6/48



Right In: 0.045+/-0.018 χ^2/NDF: 5772.7/21

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

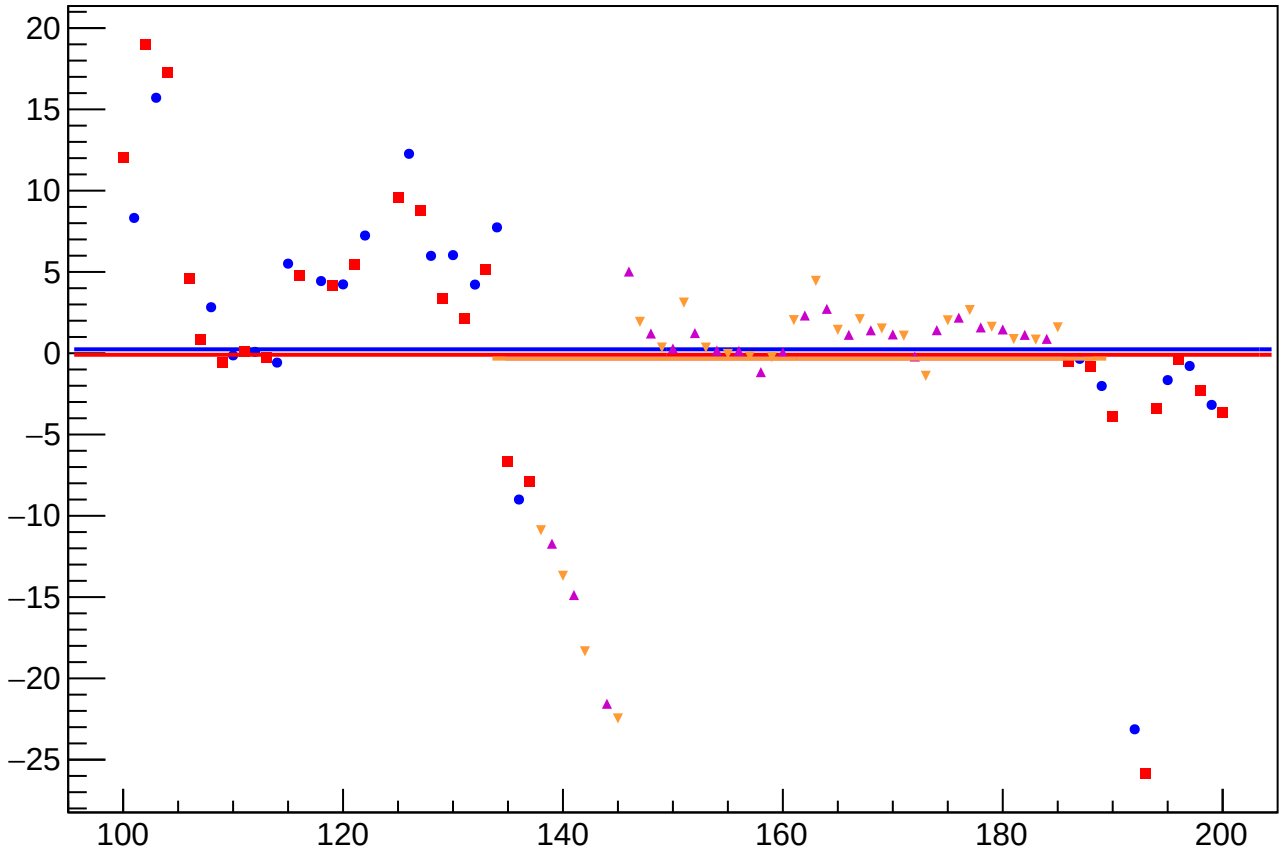
Right Out: 0.010+/-0.016 χ^2/NDF: 4844.9/25

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.150+/-0.010 χ^2/NDF: 10468.7/45

All: 0.106+/-0.007 χ^2/NDF: 22309.1/94

- sign 0.066+/-0.009 χ^2/NDF: 11798.8/48



Right In: 0.241+/-0.017 χ^2/NDF: 113366.7/21

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

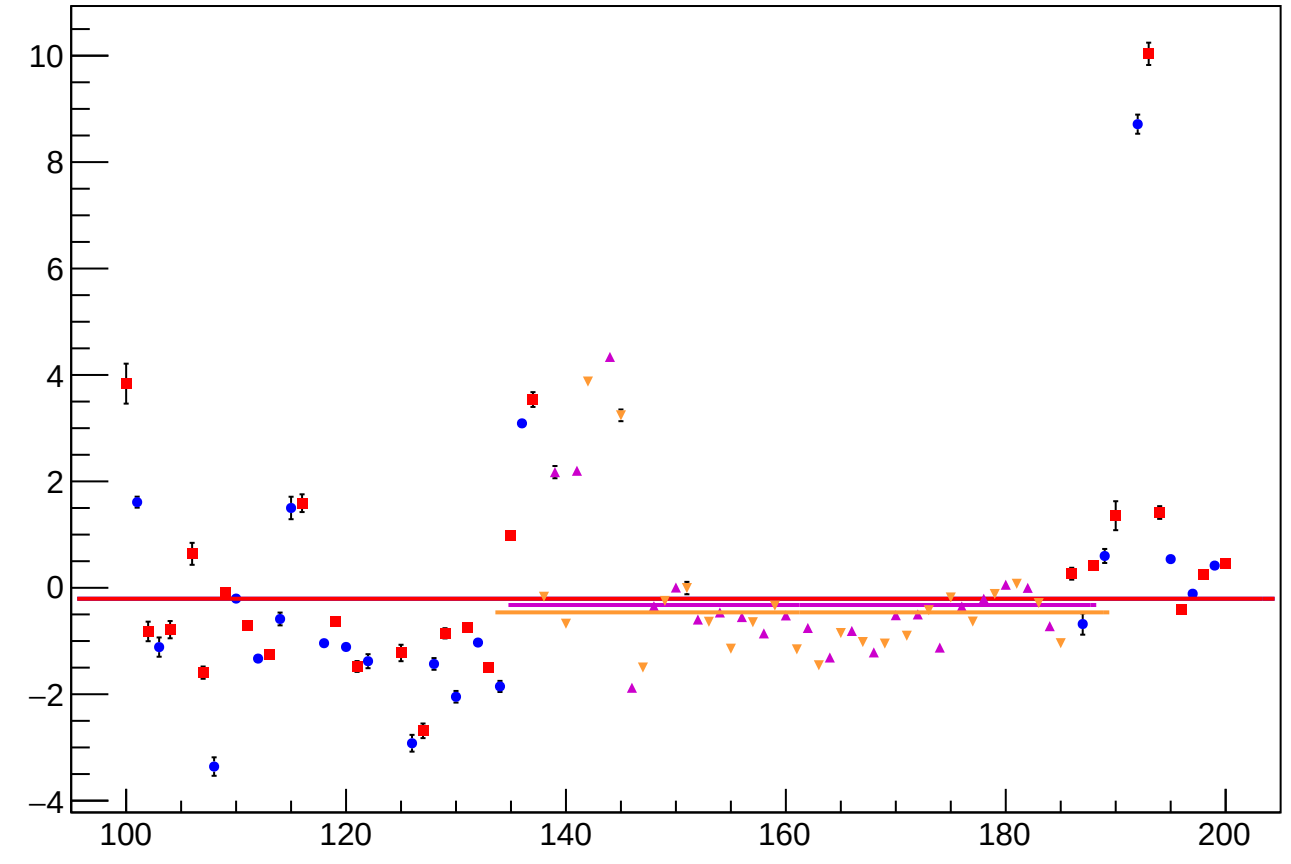
Right Out: -0.093+/-0.014 χ^2/NDF: 113368.6/25

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

\+ sign -0.096+/-0.011 χ^2/NDF: 238305.8/45

All: -0.157+/-0.007 χ^2/NDF: 478863.2/94

\- sign -0.208+/-0.010 χ^2/NDF: 240496.8/48



Right In: -0.206+/-0.021 χ^2/NDF: 7255.4/21

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

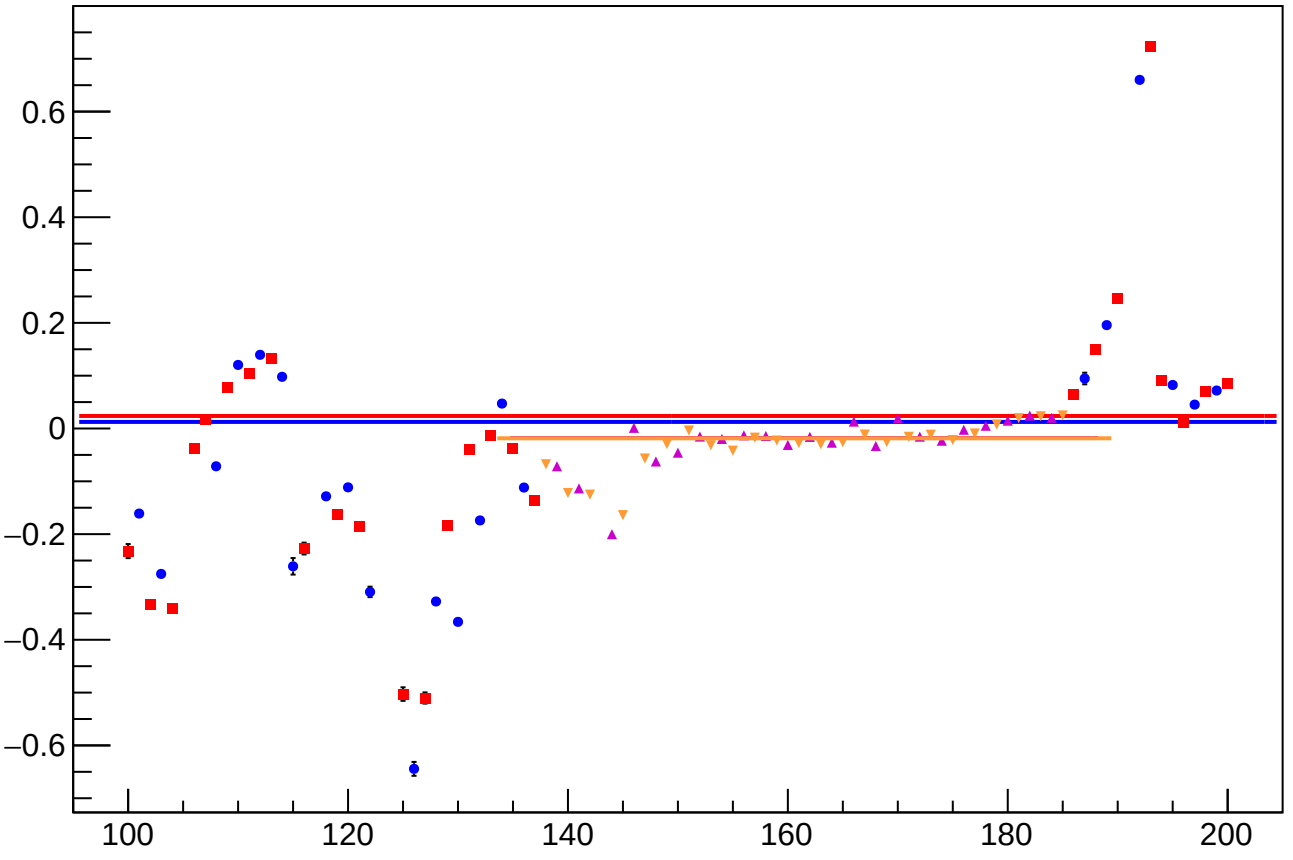
Right Out: -0.205+/-0.019 χ^2/NDF: 5379.2/25

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.392+/-0.011 χ^2/NDF: 11948.3/45

All: -0.338+/-0.007 χ^2/NDF: 24285.3/94

- sign -0.290+/-0.010 χ^2/NDF: 12288.4/48



Right In: 0.012+/-0.001 χ^2/NDF: 32940.8/21

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

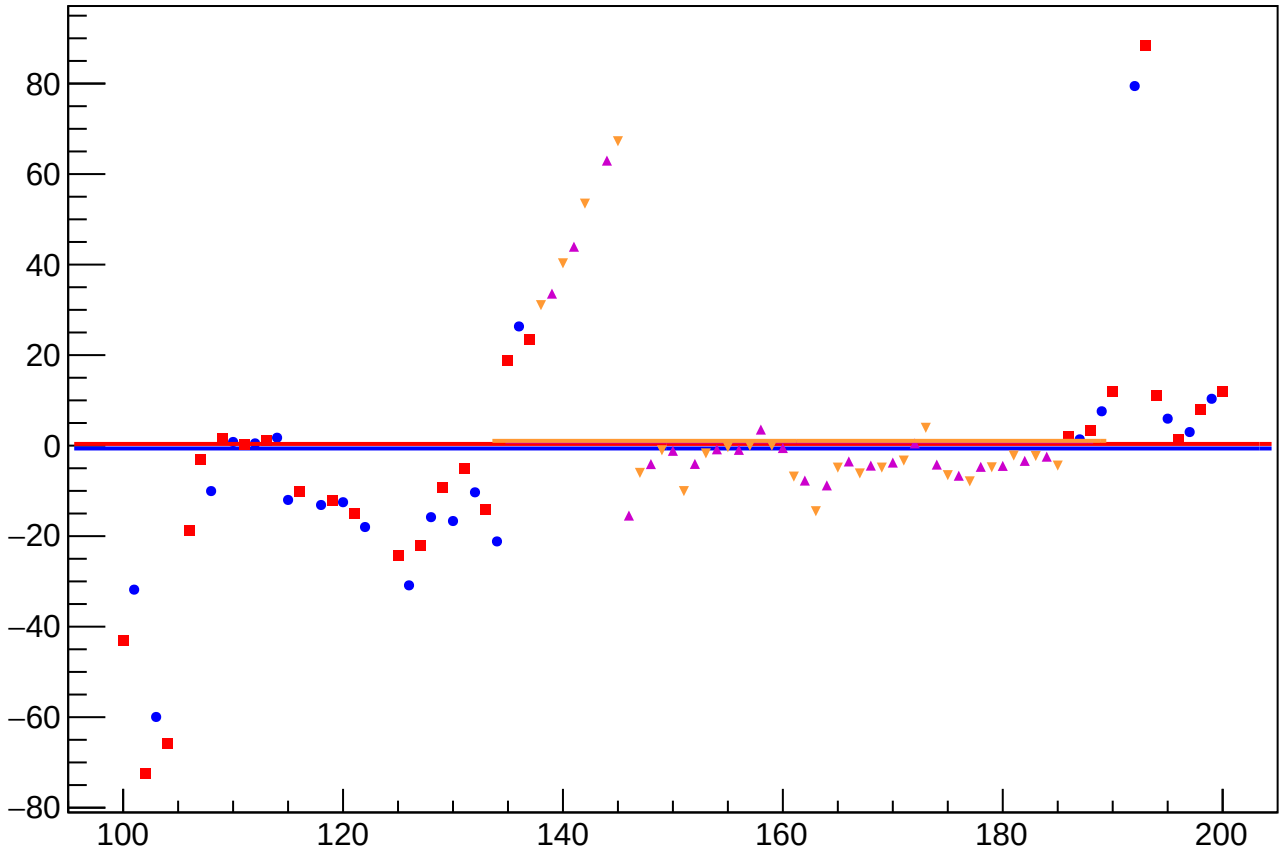
Right Out: 0.024+/-0.001 χ^2/NDF: 32637.5/25

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.011+/-0.000 χ^2/NDF: 37941.4/45

All: -0.009+/-0.000 χ^2/NDF: 77095.6/94

- sign -0.008+/-0.000 χ^2/NDF: 39129.7/48



Right In: -0.628+/-0.046 χ^2/NDF: 116196.3/21

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

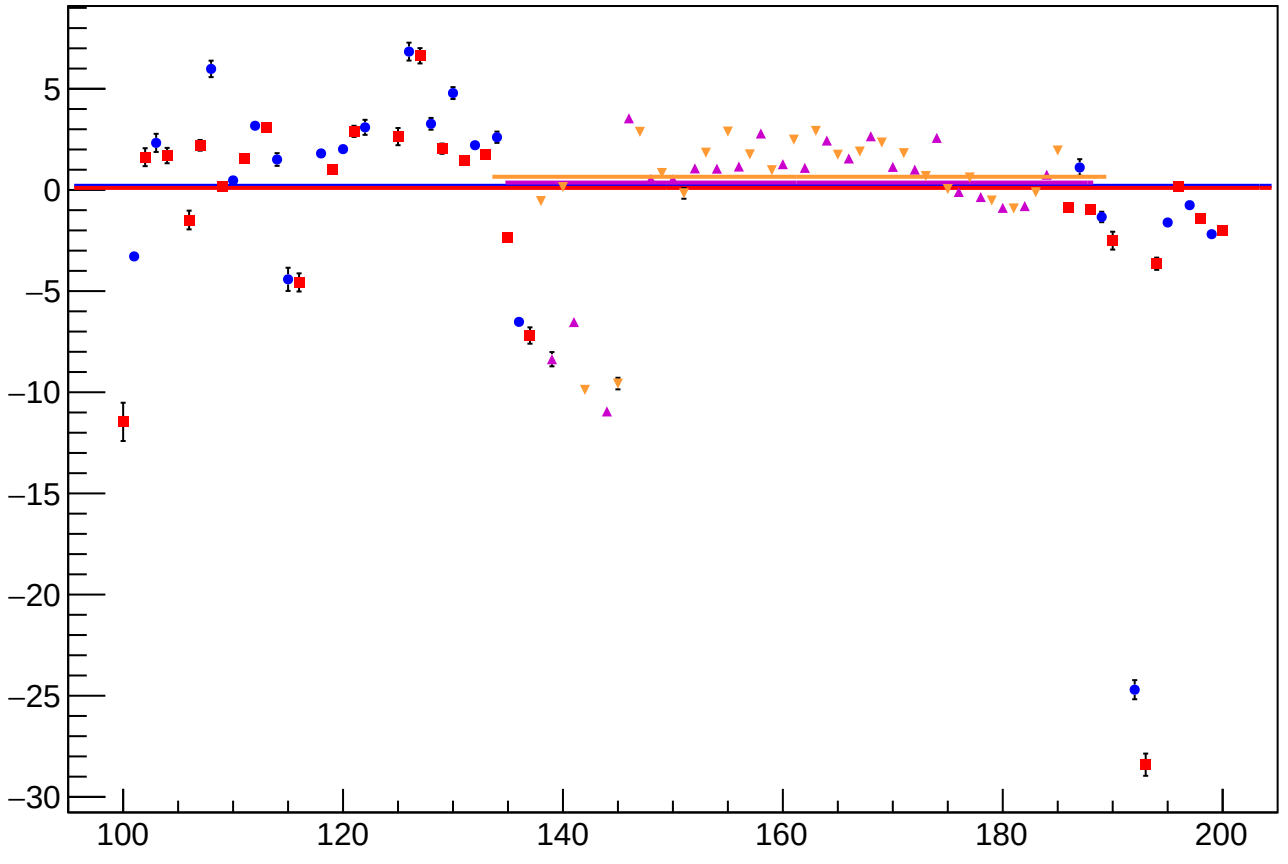
Right Out: 0.375+/-0.038 χ^2/NDF: 116526.6/25

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.318+/-0.030 χ^2/NDF: 247965.5/45

All: 0.491+/-0.020 χ^2/NDF: 497463.8/94

- sign 0.634+/-0.028 χ^2/NDF: 249438.9/48



Right In: 0.205+/-0.051 χ^2/NDF: 5903.8/21

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

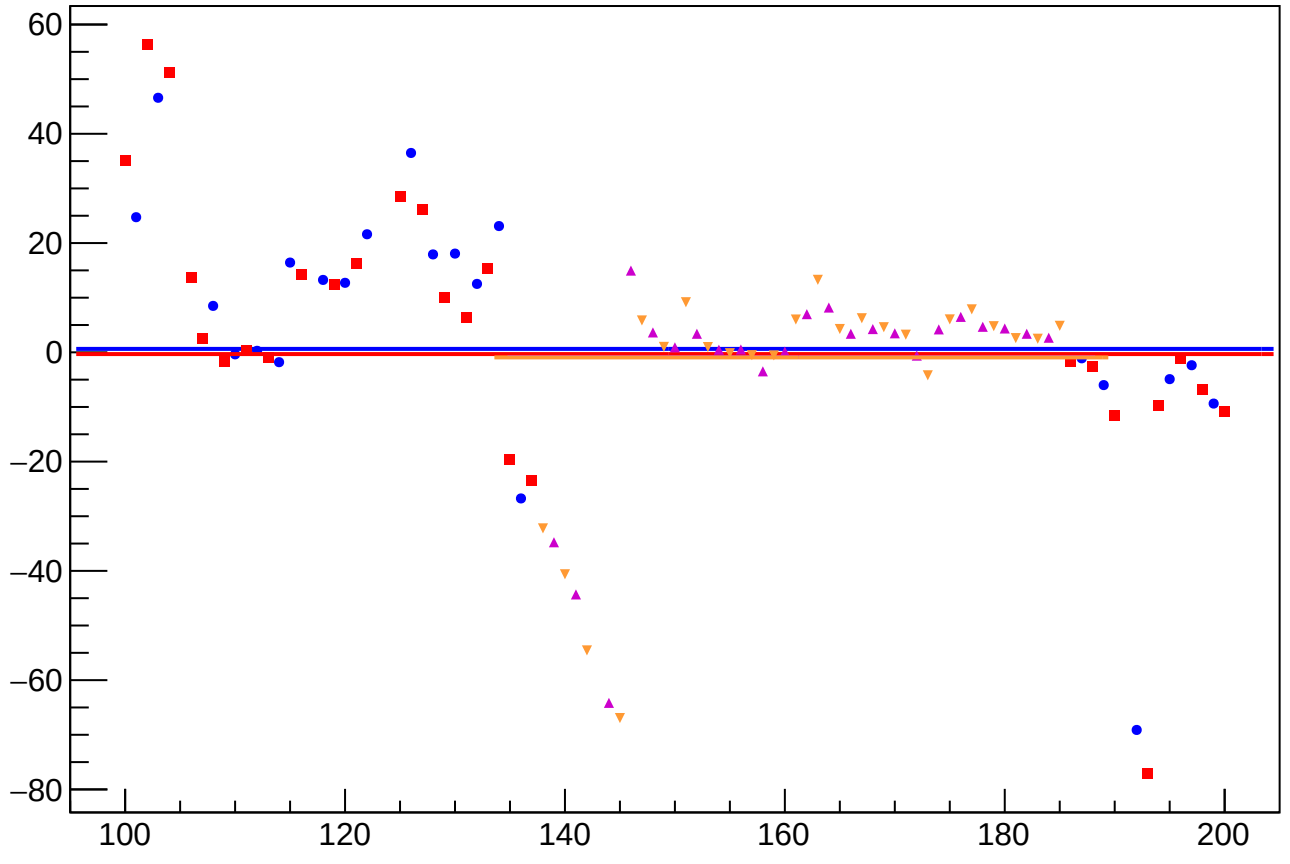
Right Out: 0.102+/-0.047 χ^2/NDF: 4932.2/25

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.519+/-0.028 χ^2/NDF: 10666.3/45

All: 0.394+/-0.019 χ^2/NDF: 22780.5/94

- sign 0.284+/-0.026 χ^2/NDF: 12076.1/48



Right In: 0.630+/-0.048 χ^2/NDF: 115420.3/21

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

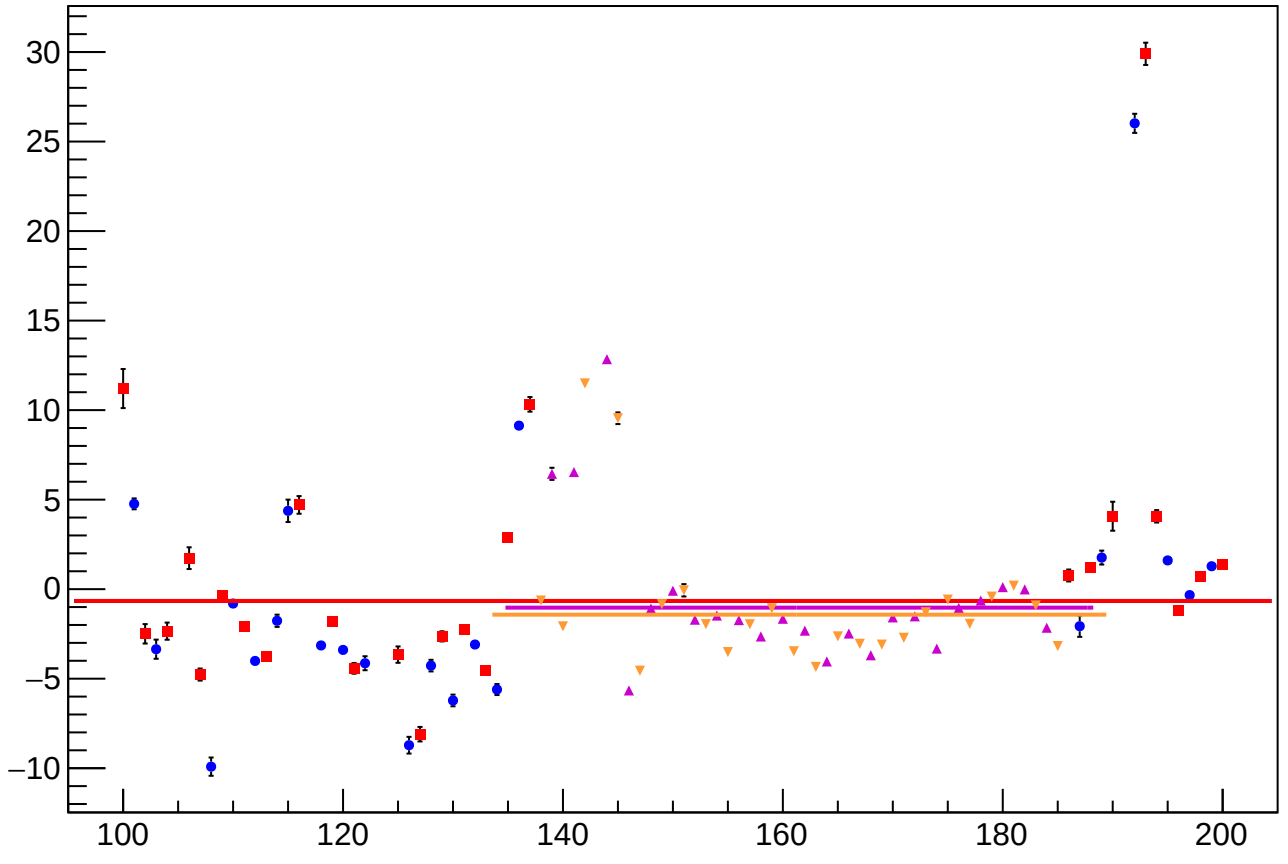
Right Out: -0.319+/-0.041 χ^2/NDF: 115146.3/25

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.282+/-0.031 χ^2/NDF: 242392.2/45

All: -0.455+/-0.021 χ^2/NDF: 487176.8/94

- sign -0.600+/-0.028 χ^2/NDF: 244727.4/48



Right In: -0.661+/-0.060 χ^2/NDF: 7415.4/21

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

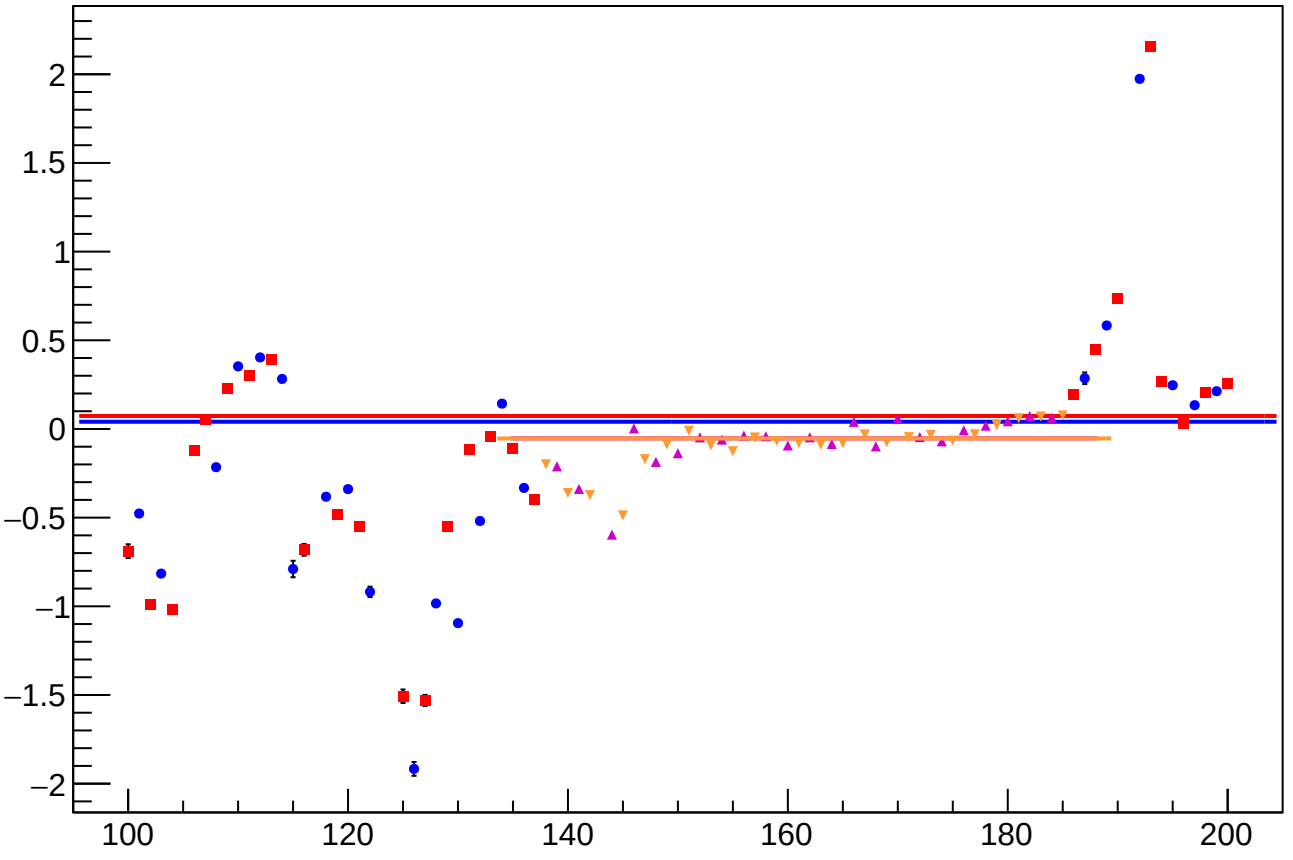
Right Out: -0.658+/-0.055 χ^2/NDF: 5468.3/25

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.217+/-0.031 χ^2/NDF: 12173.2/45

All: -1.063+/-0.021 χ^2/NDF: 24771.7/94

- sign -0.926+/-0.029 χ^2/NDF: 12552.4/48



Right In: 0.041+/-0.003 χ^2/NDF: 33528.9/21

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

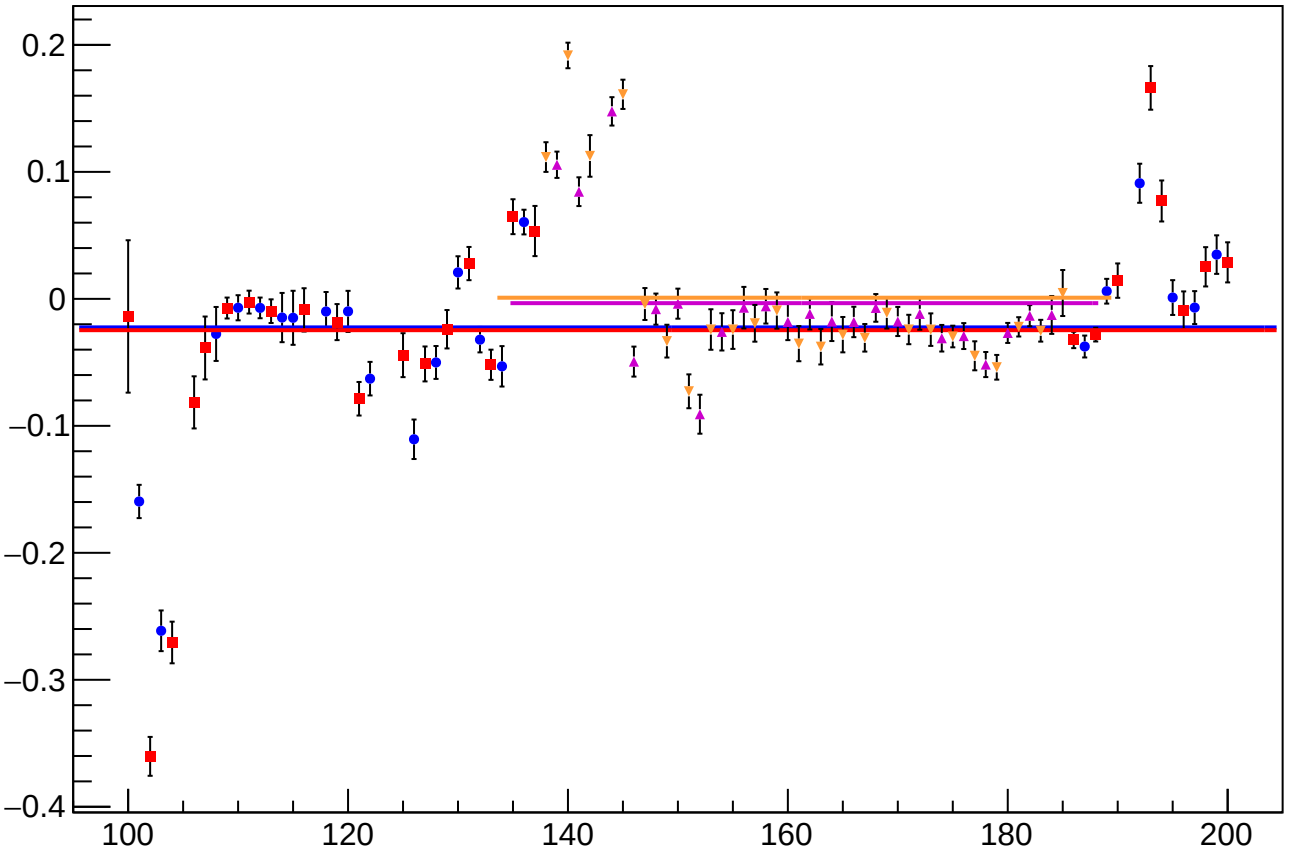
Right Out: 0.073+/-0.003 χ^2/NDF: 33260.6/25

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.031+/-0.001 χ^2/NDF: 38712.5/45

All: -0.026+/-0.001 χ^2/NDF: 78755.0/94

- sign -0.022+/-0.001 χ^2/NDF: 40022.9/48



Right In: -0.022+/-0.003 χ^2/NDF: 559.5/21

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

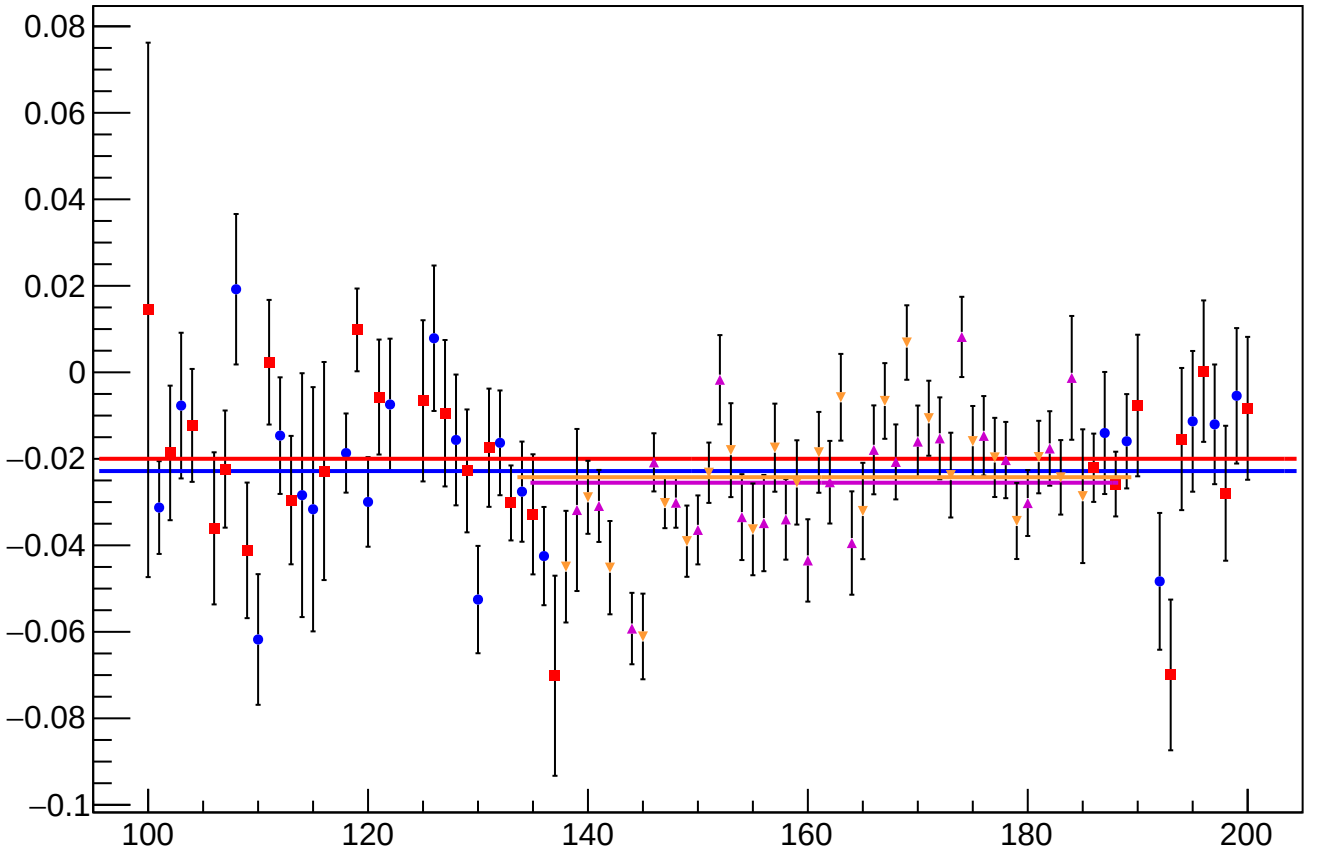
Right Out: -0.025+/-0.002 χ^2/NDF: 1024.7/25

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1451.8/45

All: -0.012+/-0.001 χ^2/NDF: 2978.5/94

- sign -0.014+/-0.002 χ^2/NDF: 1522.9/48



Right In: -0.023+/-0.003 χ^2/NDF: 34.6/21

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

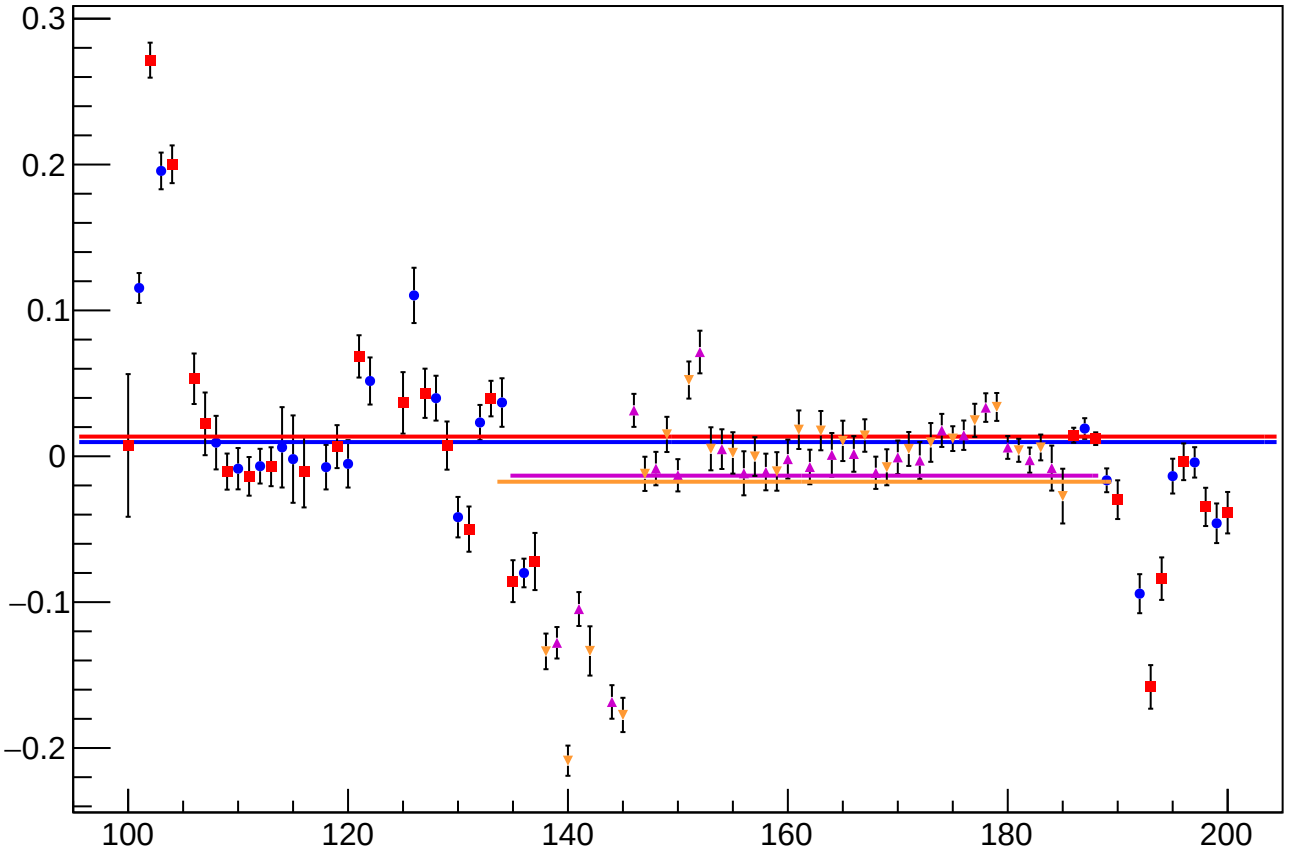
Right Out: -0.020+/-0.003 χ^2/NDF: 36.8/25

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 88.5/45

All: -0.024+/-0.001 χ^2/NDF: 183.3/94

- sign -0.024+/-0.002 χ^2/NDF: 94.7/48



Right In: 0.010+/-0.003 χ^2/NDF: 565.3/21

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

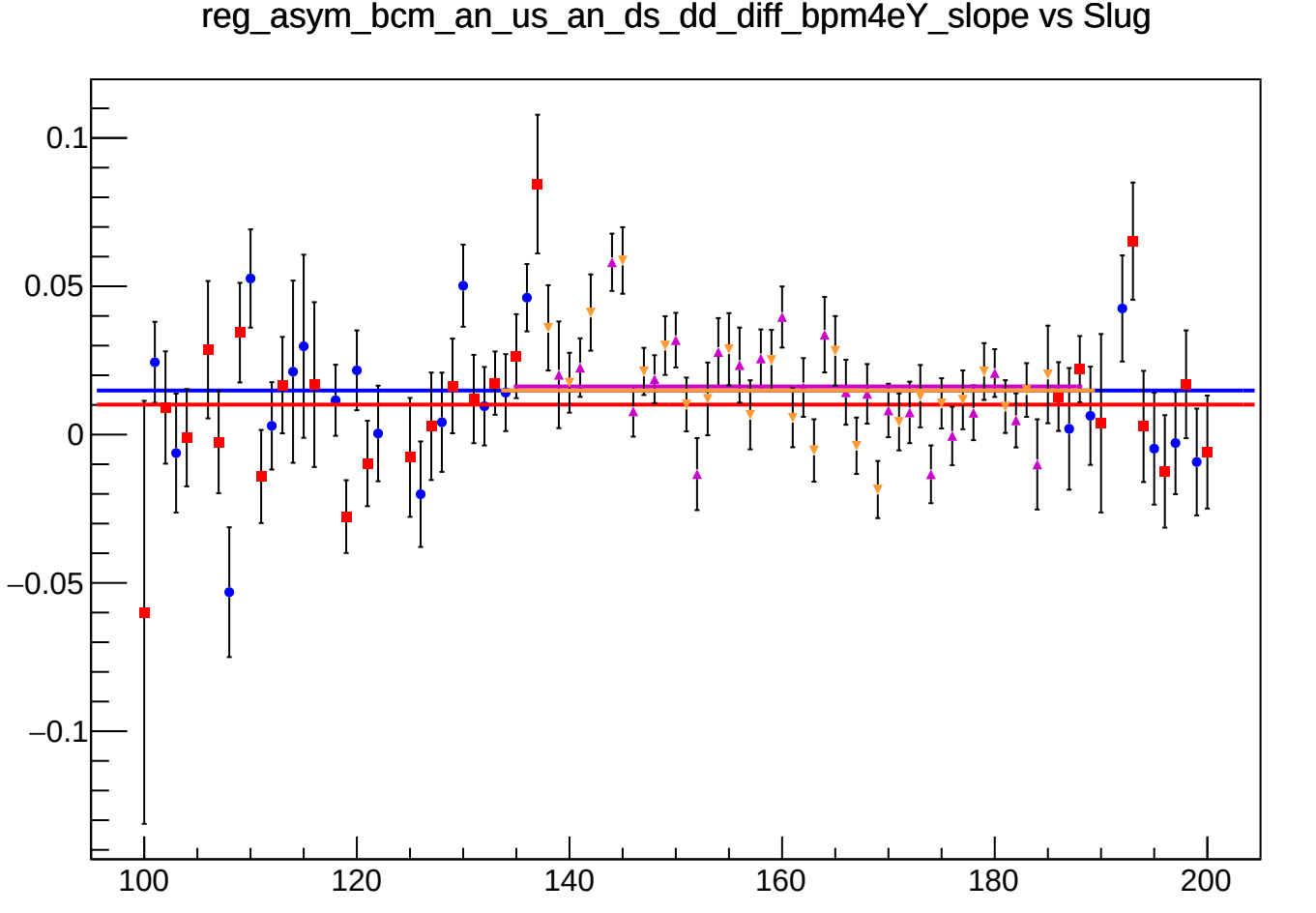
Right Out: 0.013+/-0.002 χ^2/NDF: 1011.1/25

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.005+/-0.002 χ^2/NDF: 1435.1/45

All: -0.002+/-0.001 χ^2/NDF: 2978.6/94

- sign 0.001+/-0.002 χ^2/NDF: 1536.6/48



Right In: 0.015+/-0.003 χ^2/NDF: 44.0/21

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

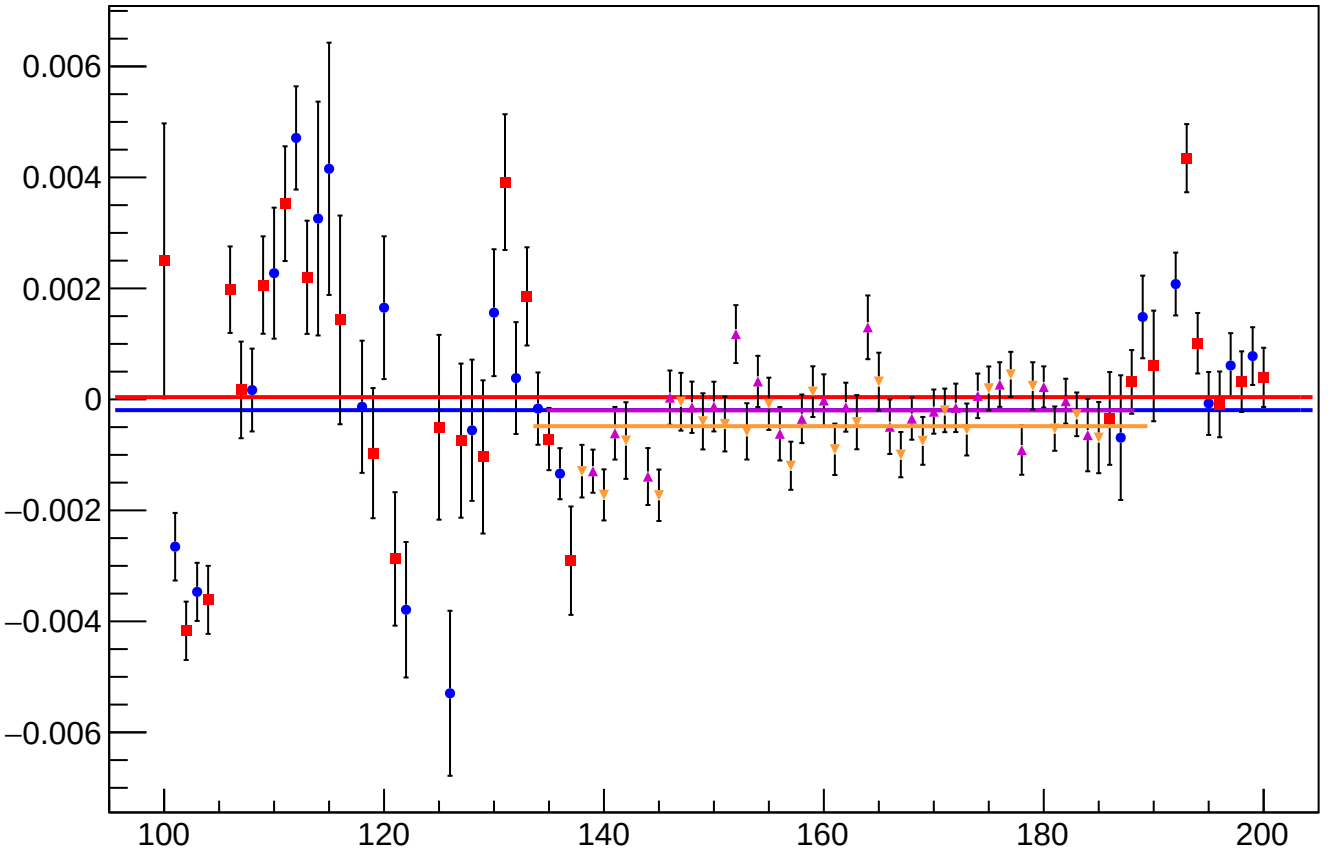
Right Out: 0.010+/-0.003 χ^2/NDF: 43.1/25

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 96.1/45

All: 0.015+/-0.001 χ^2/NDF: 199.8/94

- sign 0.014+/-0.002 χ^2/NDF: 103.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 152.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

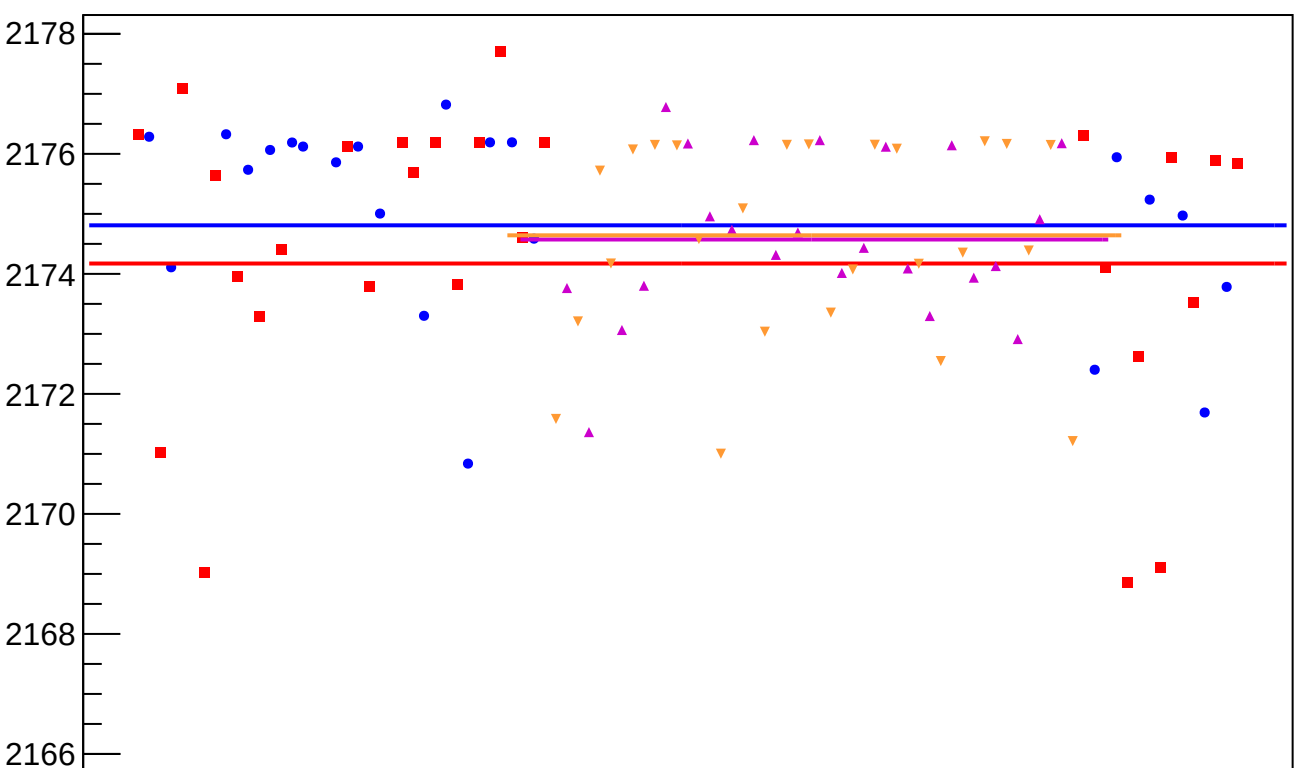
Right Out: 0.000+/-0.000 χ^2/NDF: 215.2/25

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 195.7/45

All: -0.000+/-0.000 χ^2/NDF: 456.0/94

- sign -0.000+/-0.000 χ^2/NDF: 254.2/48



Right In: 2174.809+/-0.000 χ^2/NDF: 30129492198604580634601900044445184.0/21

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

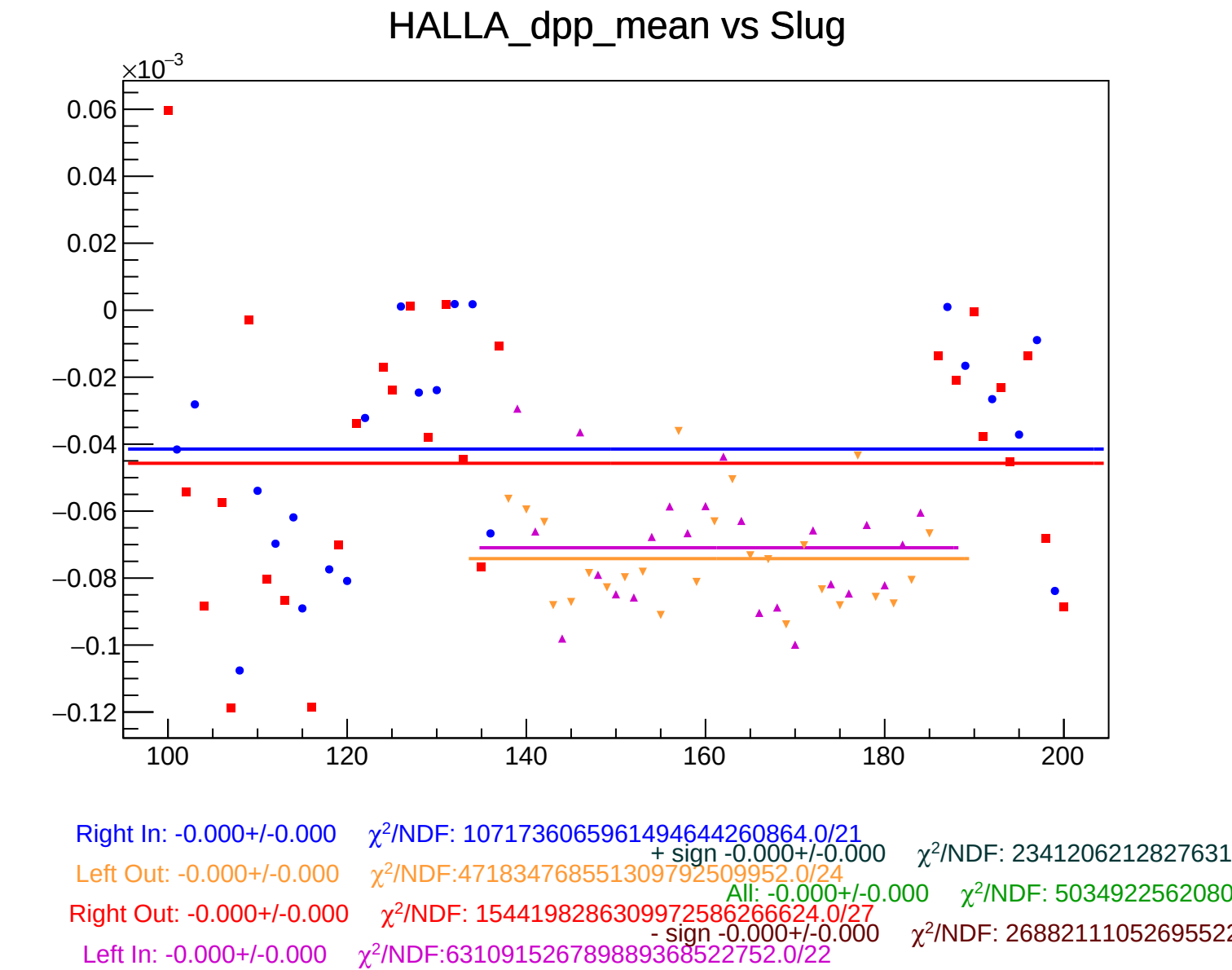
Right Out: 2174.173+/-0.000 χ^2/NDF: 962137053103259296547049839158886 4.0/27

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

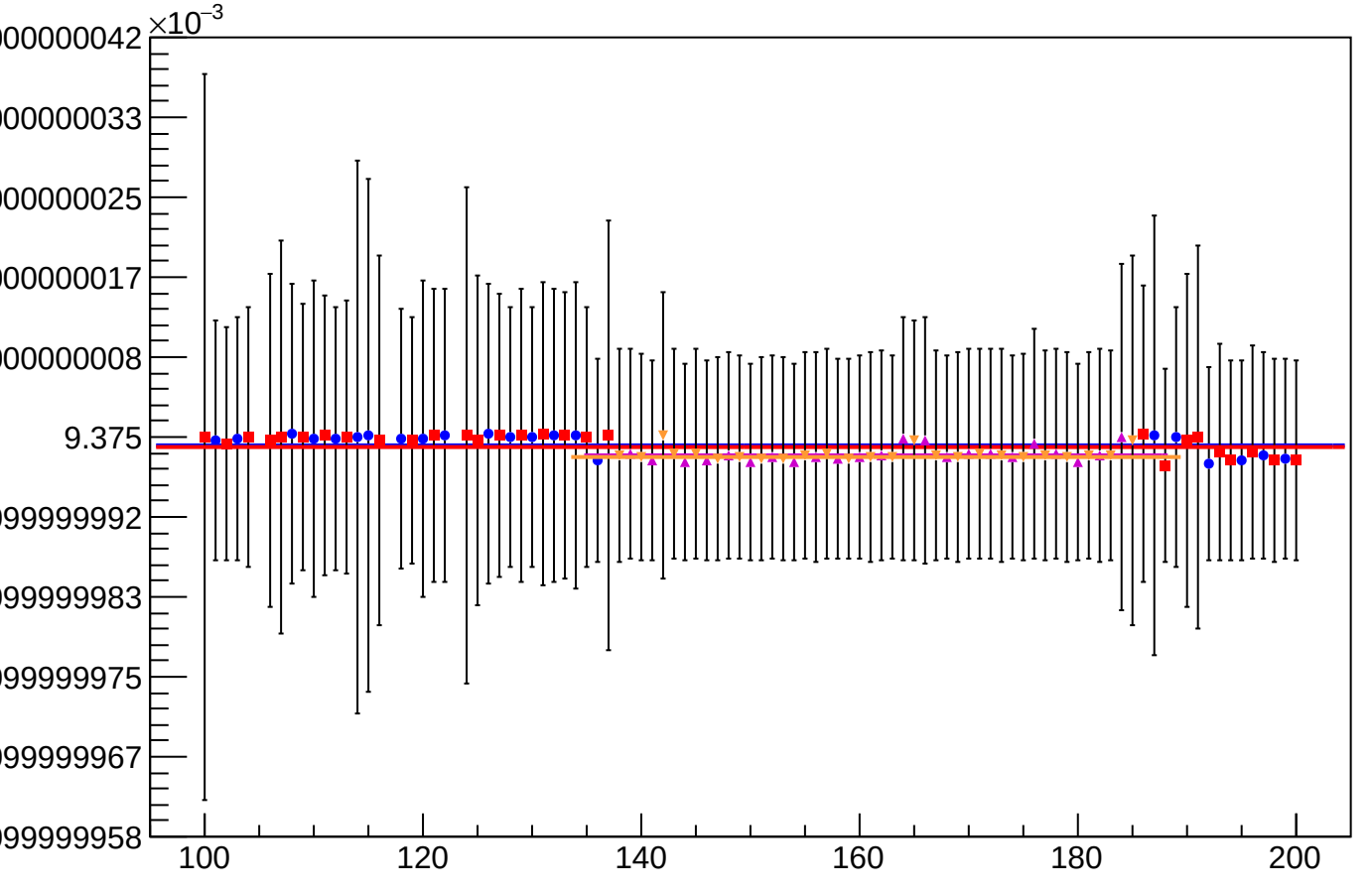
+ sign 2174.704+/-0.000 χ^2/NDF: 8245317284865

All: 2174.551+/-0.000 χ^2/NDF: 215739721 02

- sign 2174.403+/-0.000 χ^2/NDF: 13181801029898


HALLA_dpp_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 10717360659614946442608640.0/21
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 1544198286309972586266624.0/27
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2341206212827631
All: -0.000+/-0.000 χ²/NDF: 5034922562080
- sign -0.000+/-0.000 χ²/NDF: 26882111052695522

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

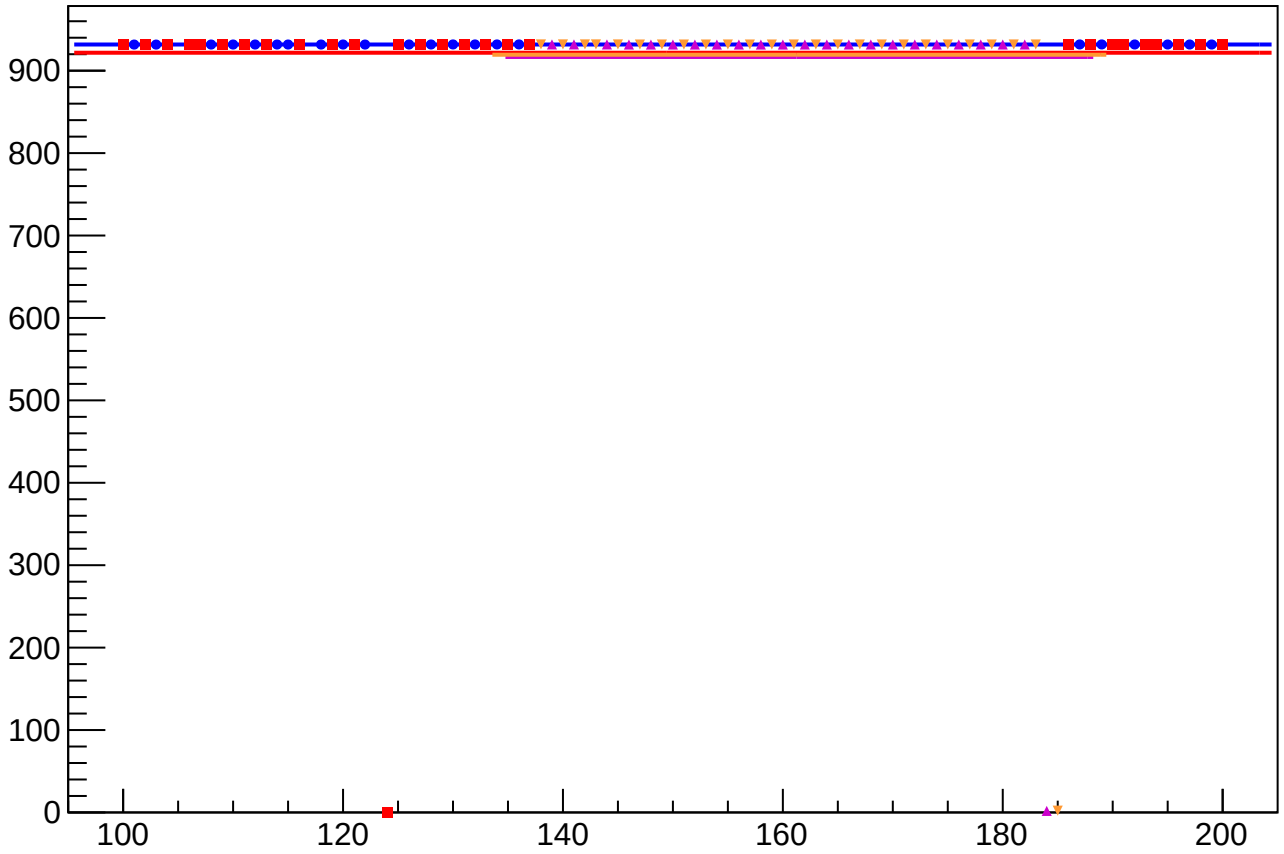
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF: 3187275366683650071182983561216.0/21

+ sign 923.936+/-0.000 χ^2/NDF: 231362156506281

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

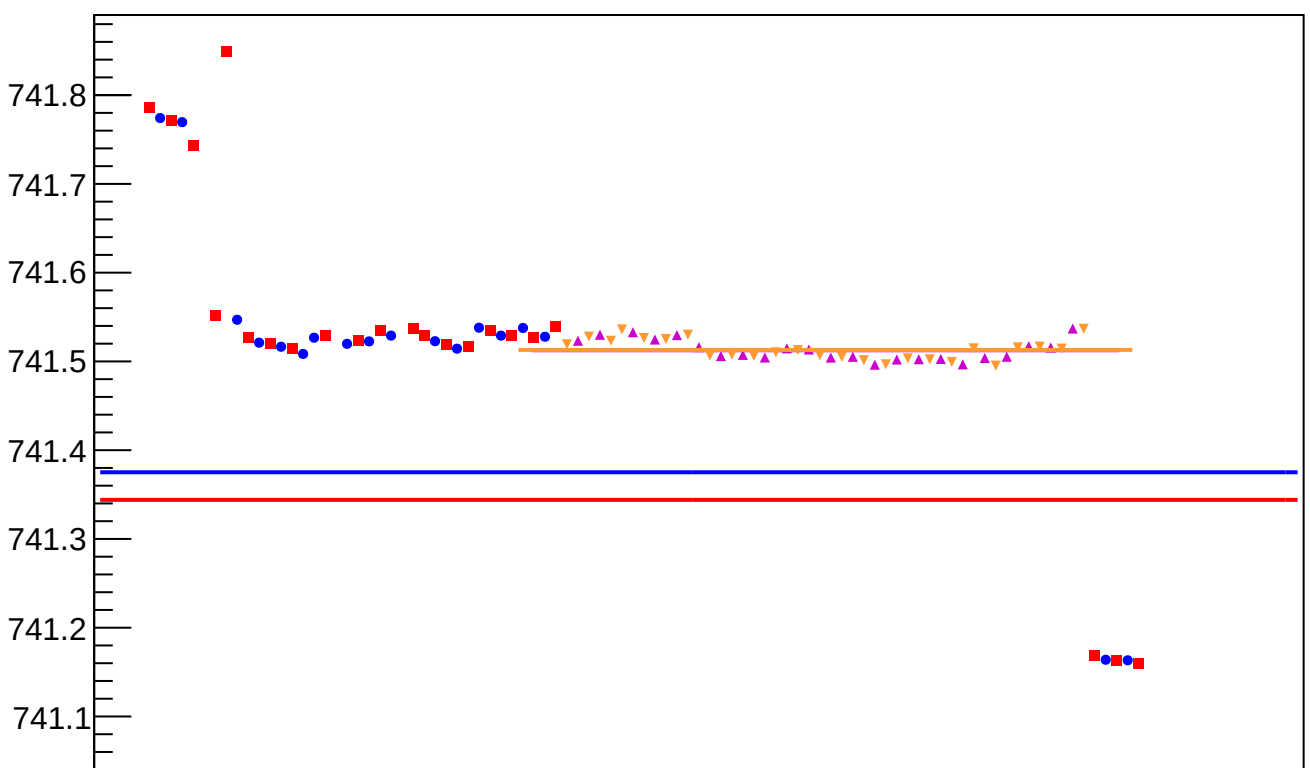
All: 921.339+/-0.000 χ^2/NDF: 624522423927

Right Out: 921.783+/-0.000 χ^2/NDF: 12882601871147444251758248351462588416.0/27

- sign 918.824+/-0.000 χ^2/NDF: 392735580882696

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723520/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.375+/-0.000 χ^2/NDF: 82246213906895126191351135207424.0/21

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.344+/-0.000 χ^2/NDF: 10105979021732344398921427897548 8.0/27

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.462+/-0.000 χ^2/NDF: 966570247858842

All: 741.451+/-0.000 χ^2/NDF: 2215669867 05

- sign 741.441+/-0.000 χ^2/NDF: 124205855069471

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.807+/-0.000 χ^2/NDF: 1389399943749179343177605185536.0/21

+ sign 972.524+/-0.000 χ^2/NDF: 256335974626609

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

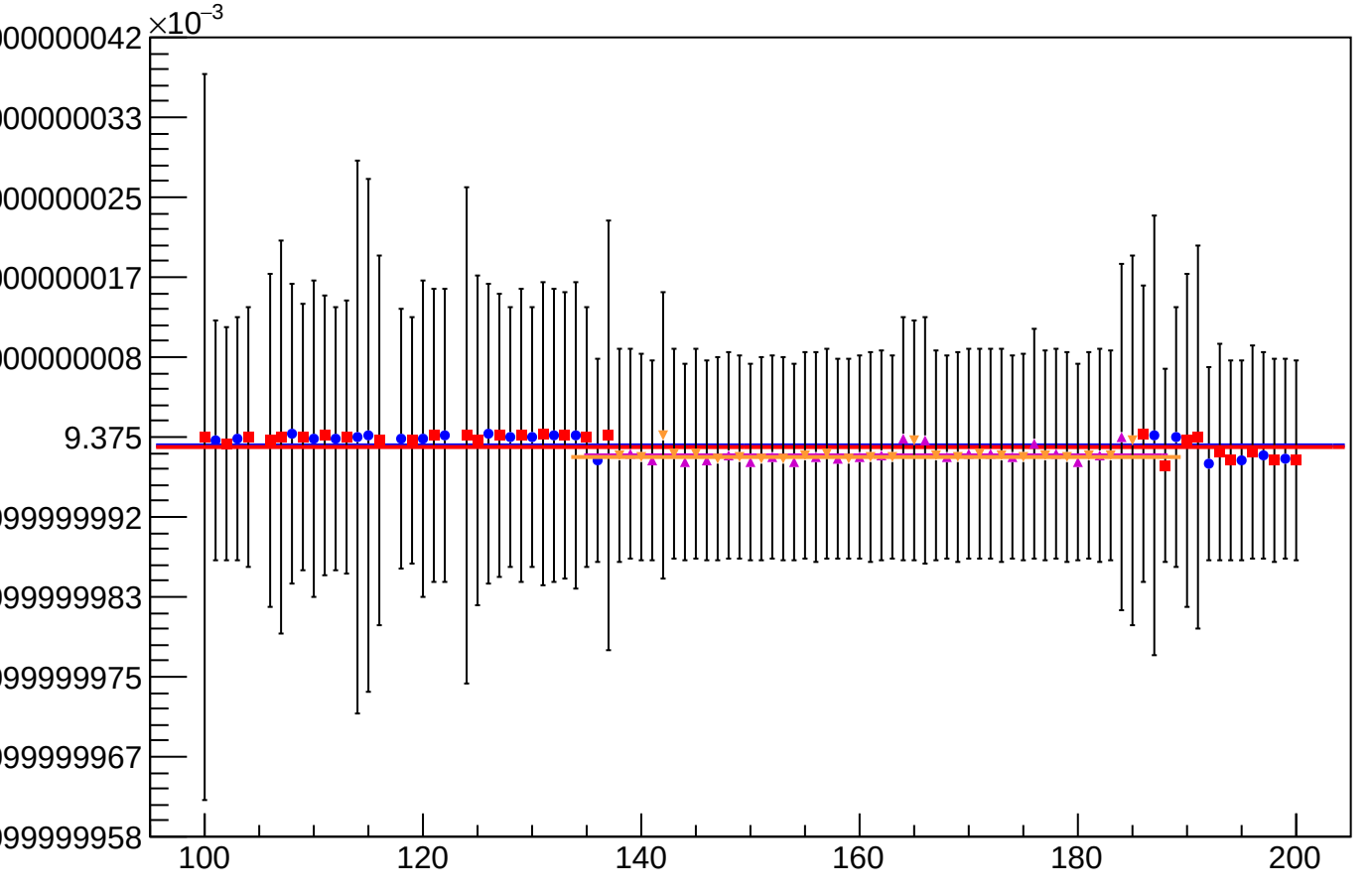
All: 972.050+/-0.000 χ^2/NDF: 55055375692

Right Out: 980.777+/-0.000 χ^2/NDF: 6338270329798976361665798969753 6.0/27

- sign 971.591+/-0.000 χ^2/NDF: 294203639780963

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

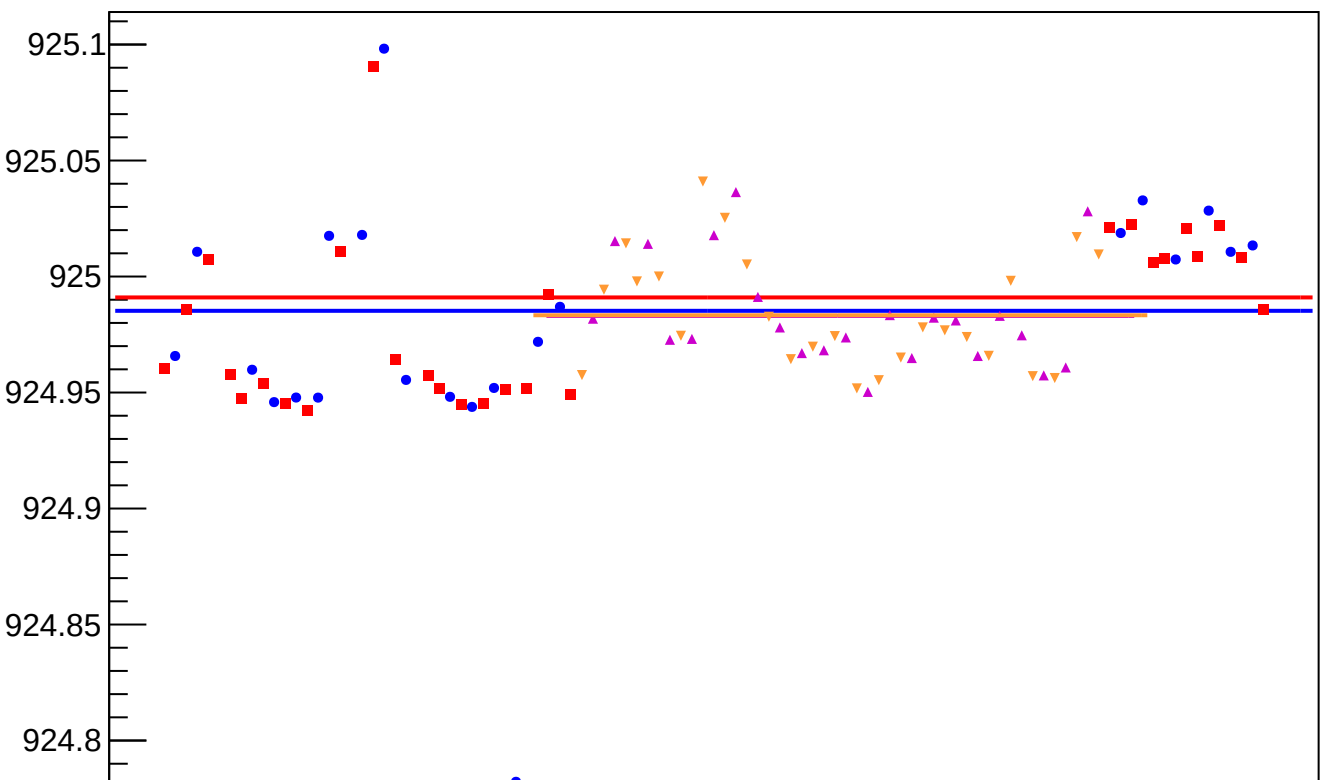
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.985+/-0.000 χ^2/NDF: 330211718772765738269067444224O.0/21

+ sign 924.984+/-0.000 χ^2/NDF: 446595303402142

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

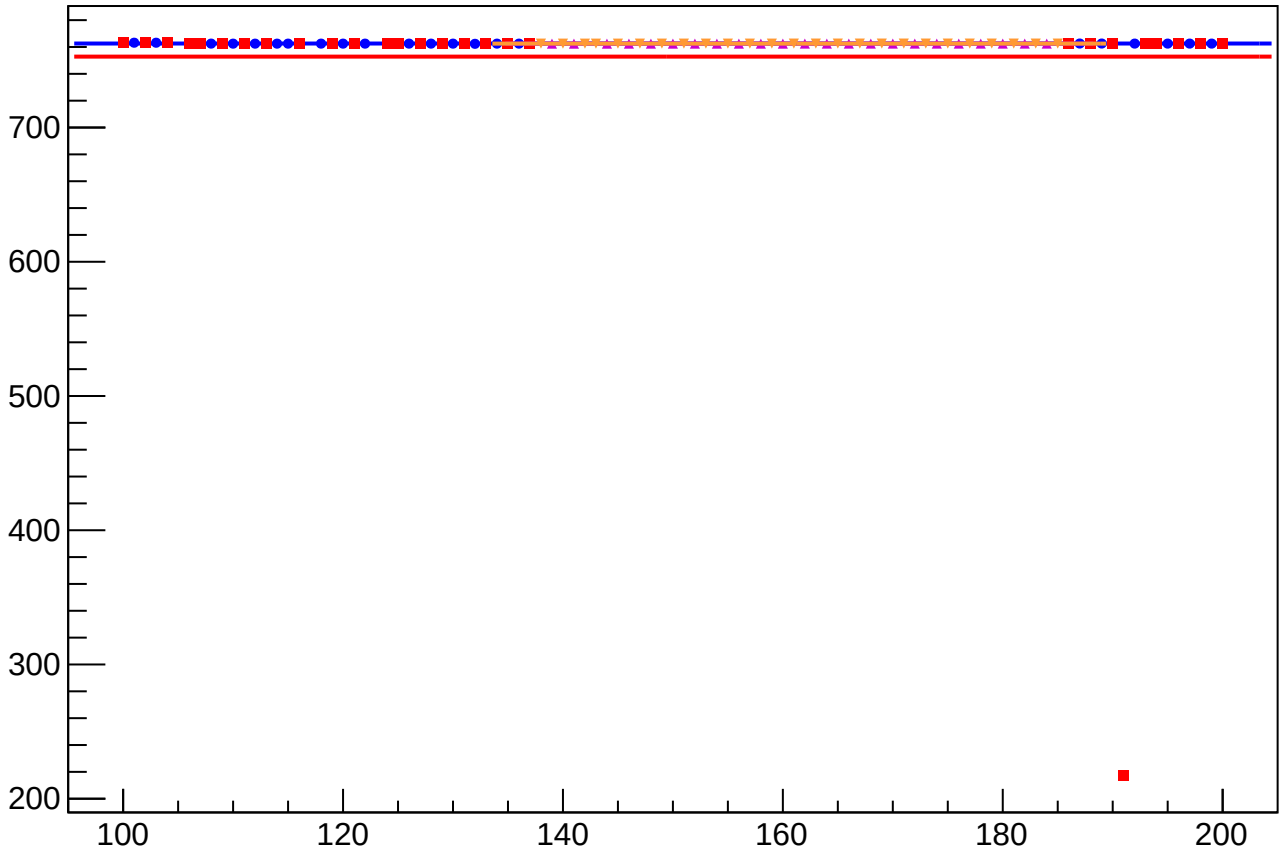
All: 924.985+/-0.000 χ^2/NDF: 727428271161

Right Out: 924.991+/-0.000 χ^2/NDF: 1819559769739871424928584564736.0/27

- sign 924.986+/-0.000 χ^2/NDF: 279918846458777

Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.583+/-0.000 χ^2/NDF: 538019900277913296511847890944000.0/21

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 752.829+/-0.000 χ^2/NDF: 730664866659337486978791426748317696O.0/27

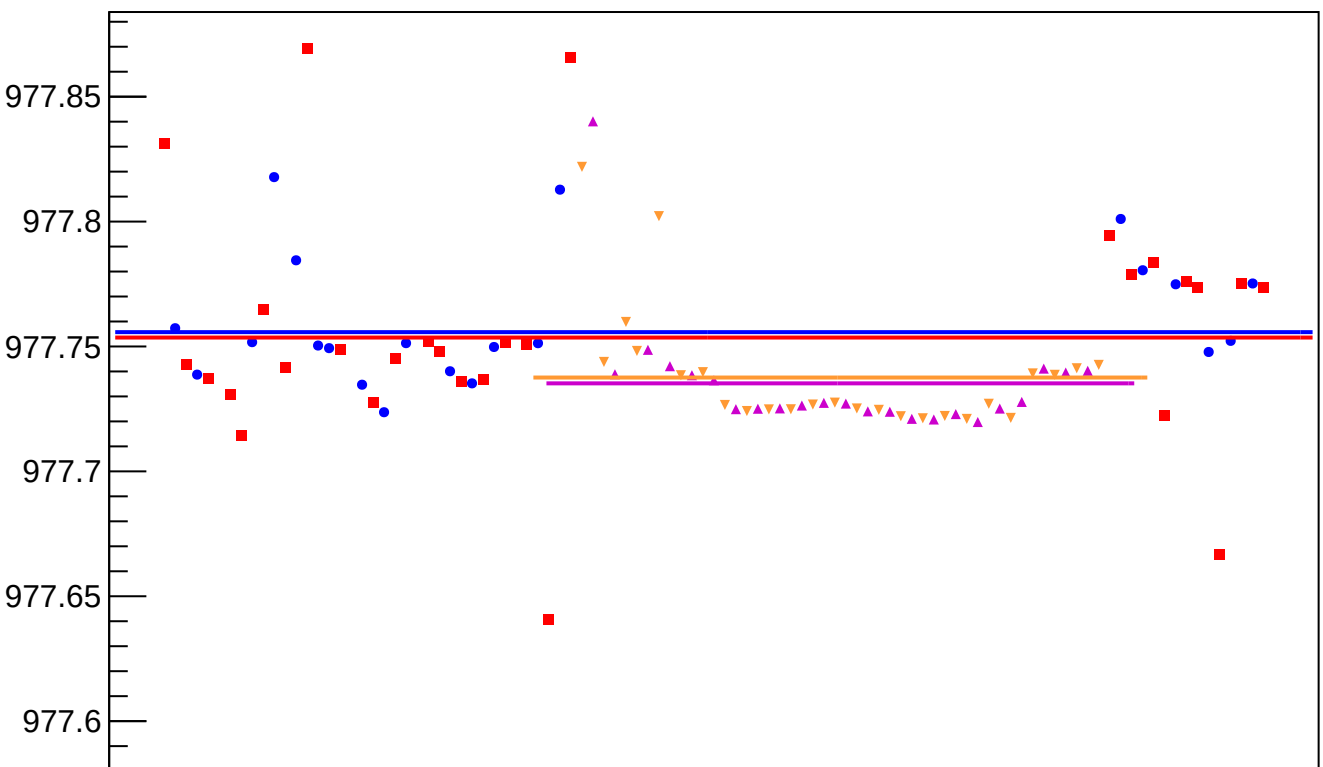
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.542+/-0.000 χ^2/NDF: 576964149097025

All: 760.447+/-0.000 χ^2/NDF: 7410058010 64

- sign 758.419+/-0.000 χ^2/NDF: 738236662946557

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.756+/-0.000 χ^2/NDF: 2141183726707280810274654781440.0/21

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.754+/-0.000 χ^2/NDF: 27738577206732848108512194068480.0/27

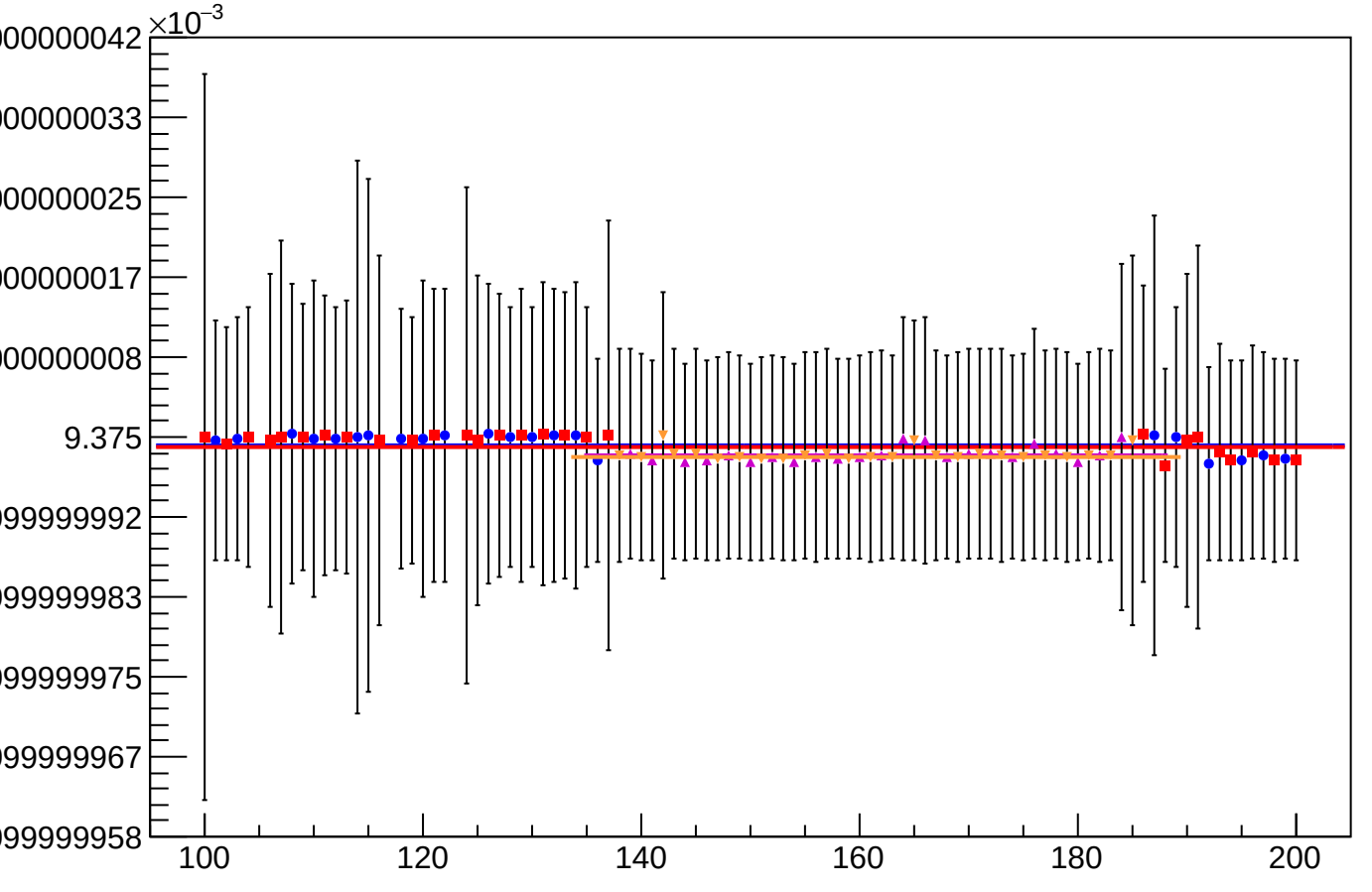
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.744+/-0.000 χ^2/NDF: 356561634153585

All: 977.744+/-0.000 χ^2/NDF: 771020937558

- sign 977.743+/-0.000 χ^2/NDF: 414194035440532

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

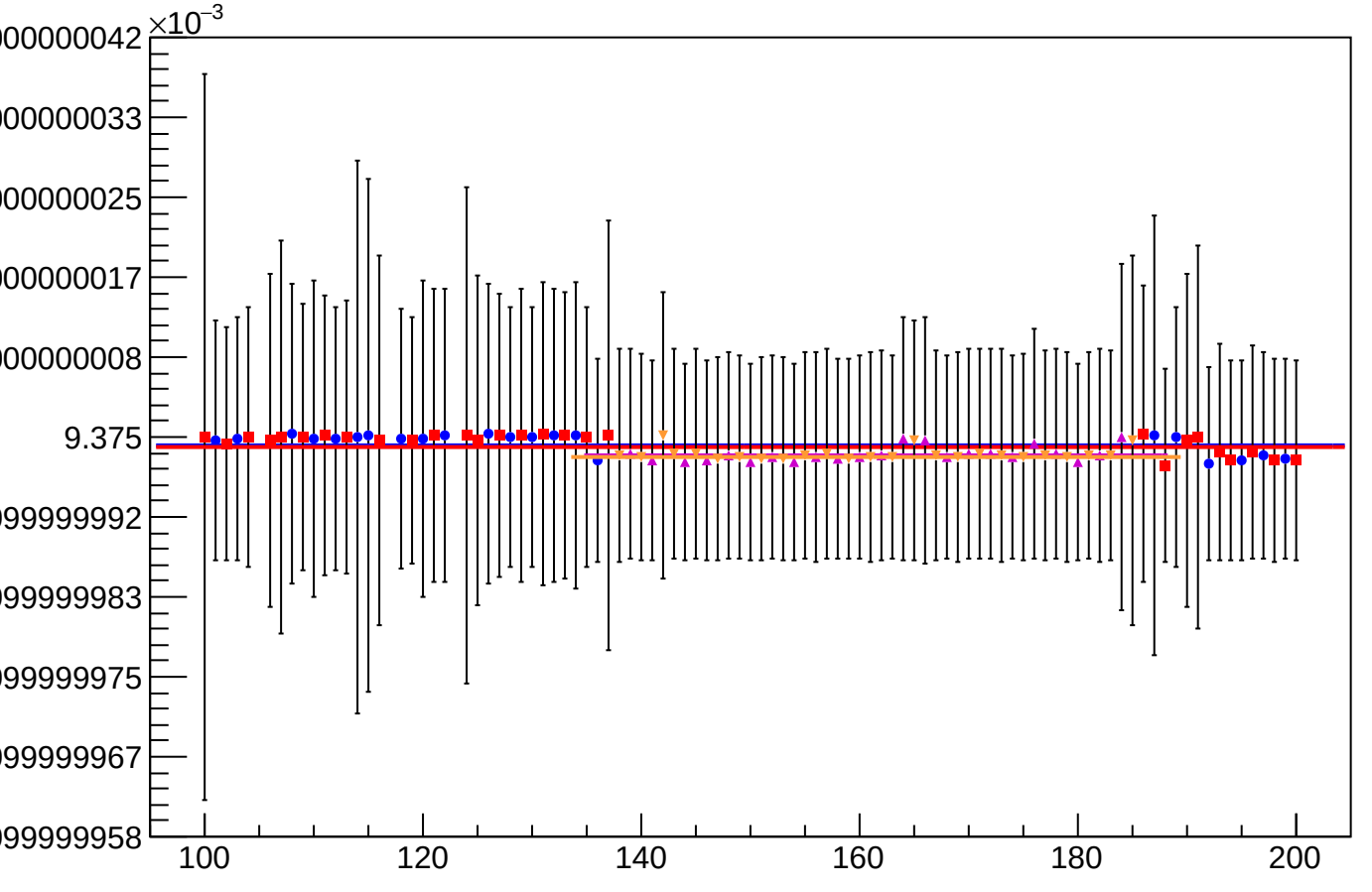
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

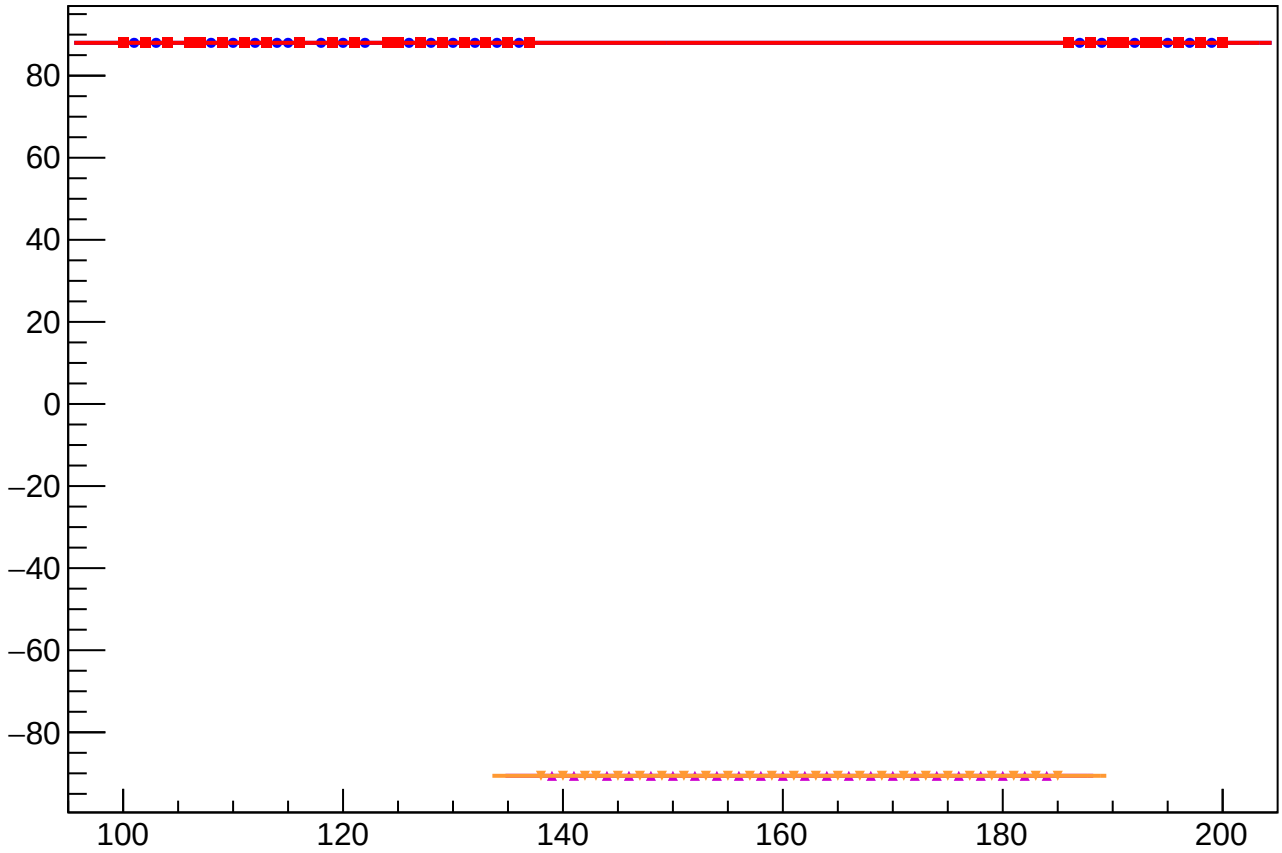
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2332907.8/21

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

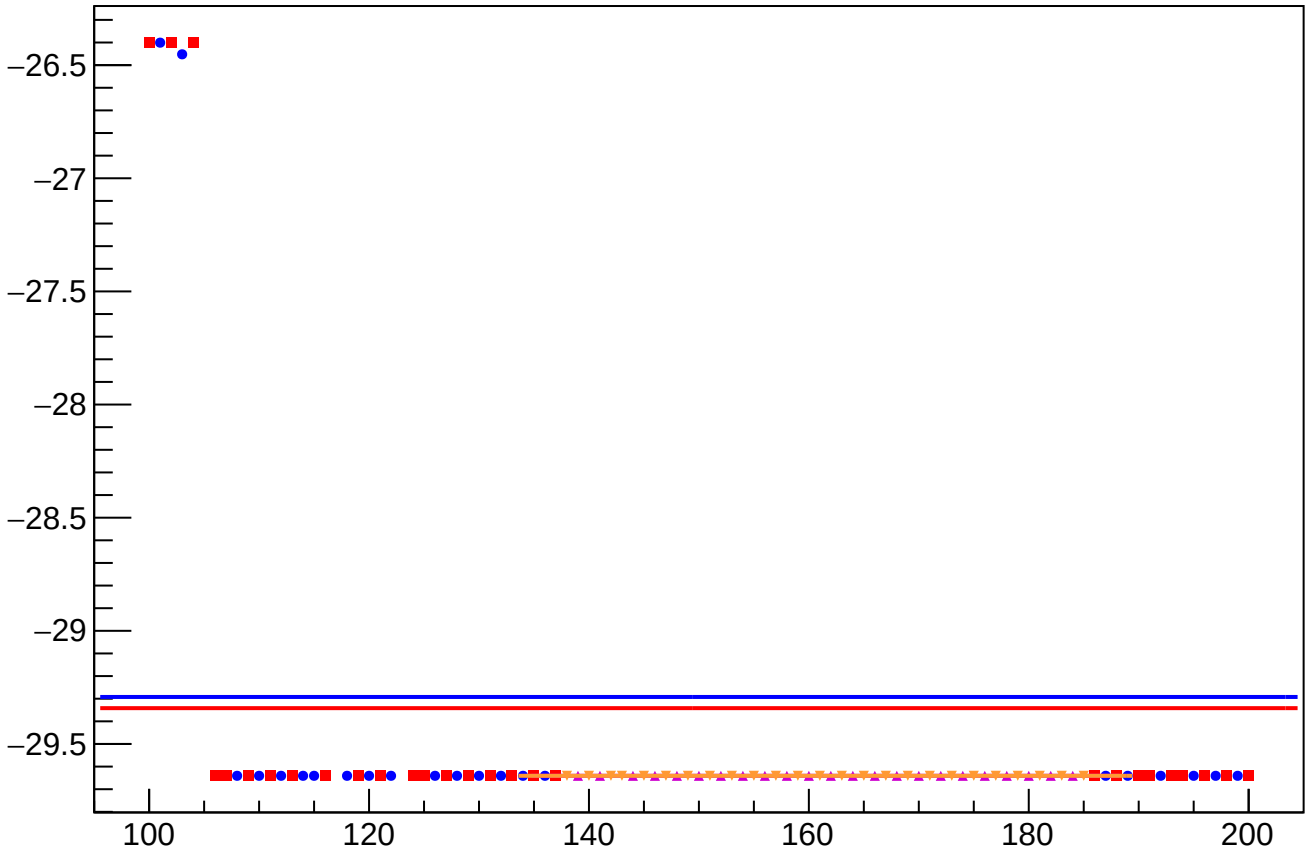
Right Out: 88.002+/-0.000 χ^2/NDF: 75760353382774028450366750720.0/27

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -24.664+/-0.000 χ^2/NDF: 237640101136855

All: -19.769+/-0.000 χ^2/NDF: 496401844600

- sign -15.029+/-0.000 χ^2/NDF: 257252803106059



Right In: -29.292+/-0.000 χ^2/NDF: 1179497767606154325408711639564288.0/21

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

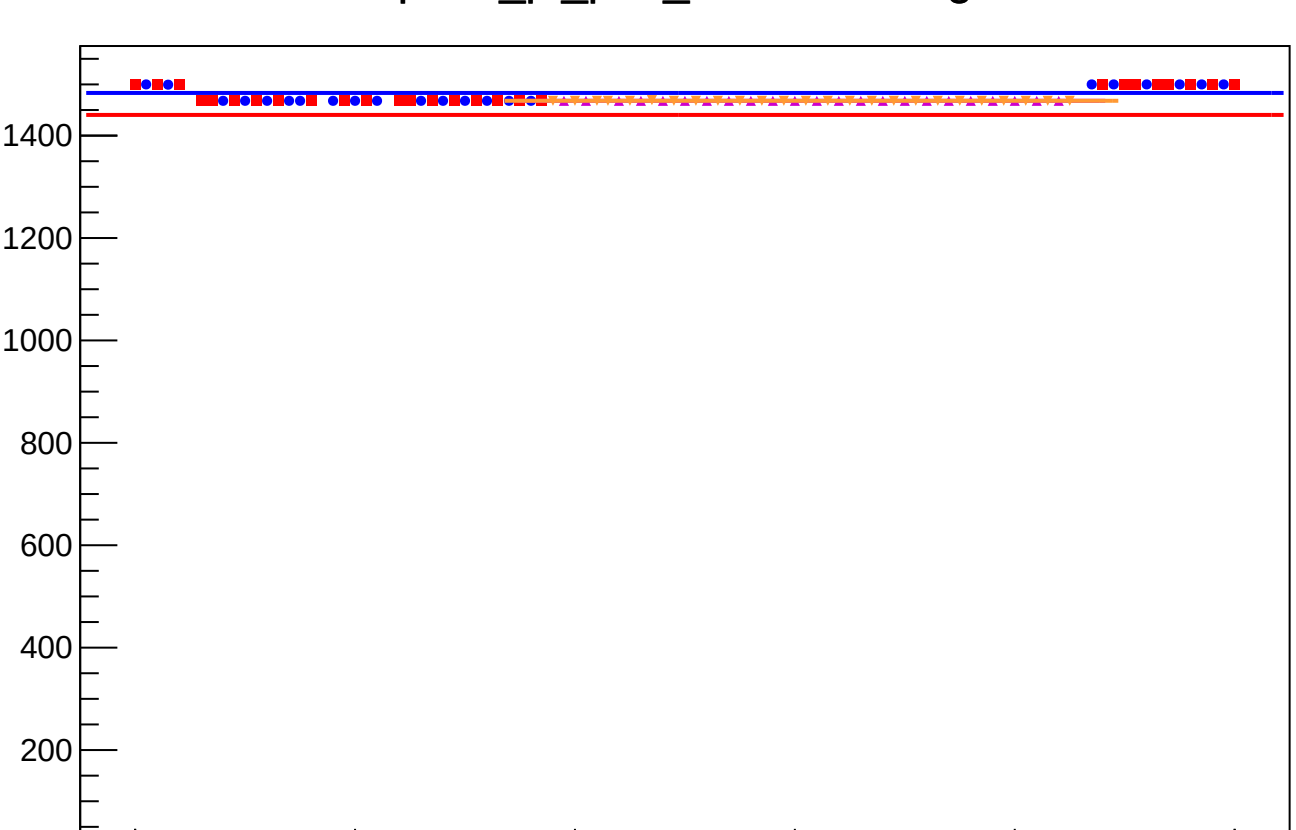
Right Out: -29.342+/-0.000 χ^2/NDF: 1229232916738204523487790668709888.0/27

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.512+/-0.000 χ^2/NDF: 126993650415754

All: -29.513+/-0.000 χ^2/NDF: 257126180778

- sign -29.514+/-0.000 χ^2/NDF: 130131795399514



Right In: 1483.353+/-0.000 χ^2/NDF: 3012520573262623480653129274233978880/21

+ sign 1473.700+/-0.000 χ^2/NDF: 4758407260974

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

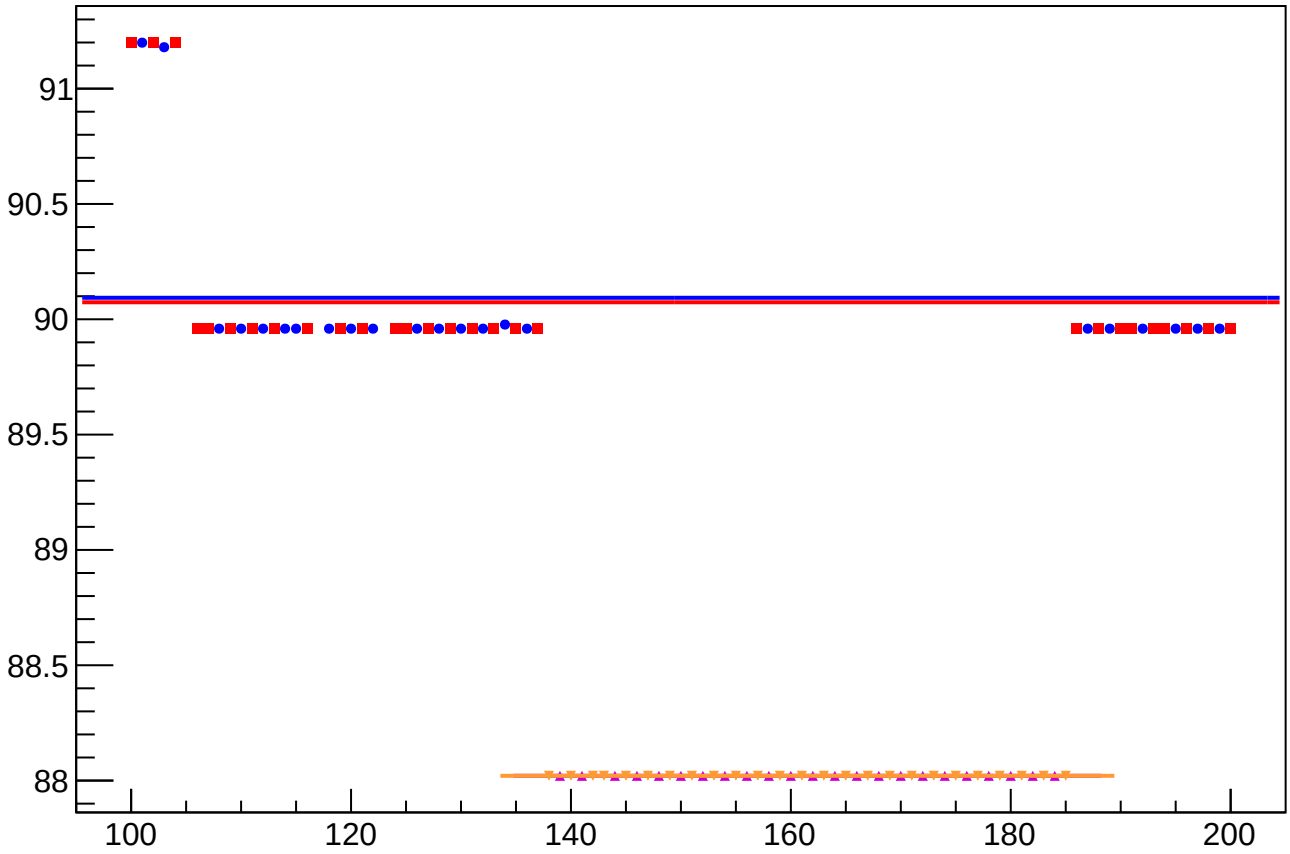
All: 1464.872+/-0.000 χ^2/NDF: 9176534598

Right Out: 1440.415+/-0.000 χ^2/NDF: 90185407707462708934009538248618016768.0/27

- sign 1456.324+/-0.000 χ^2/NDF: 90798806753305

Left In: 1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360/22

Phi_FG_mean vs Slug



Right In: 90.093+/-0.000 χ^2/NDF: 172589747512166664031195409416192.0/21

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.074+/-0.000 χ^2/NDF: 18004768068671843255755825636966 4.0/27

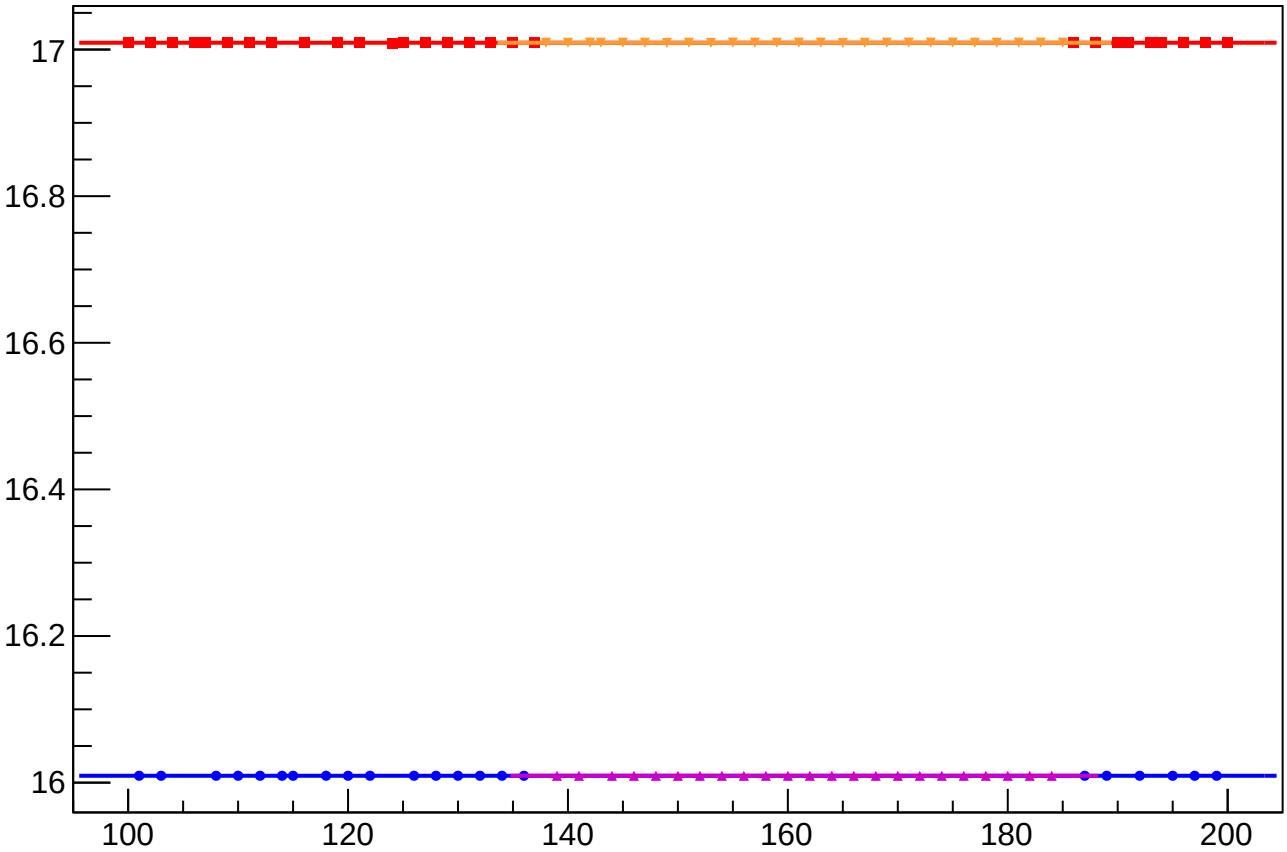
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.786+/-0.000 χ^2/NDF: 3372640083882213

All: 88.838+/-0.000 χ^2/NDF: 696929348702

- sign 88.889+/-0.000 χ^2/NDF: 3579226401657901

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 328519.5/21

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 18070814016240841396322304.0/27

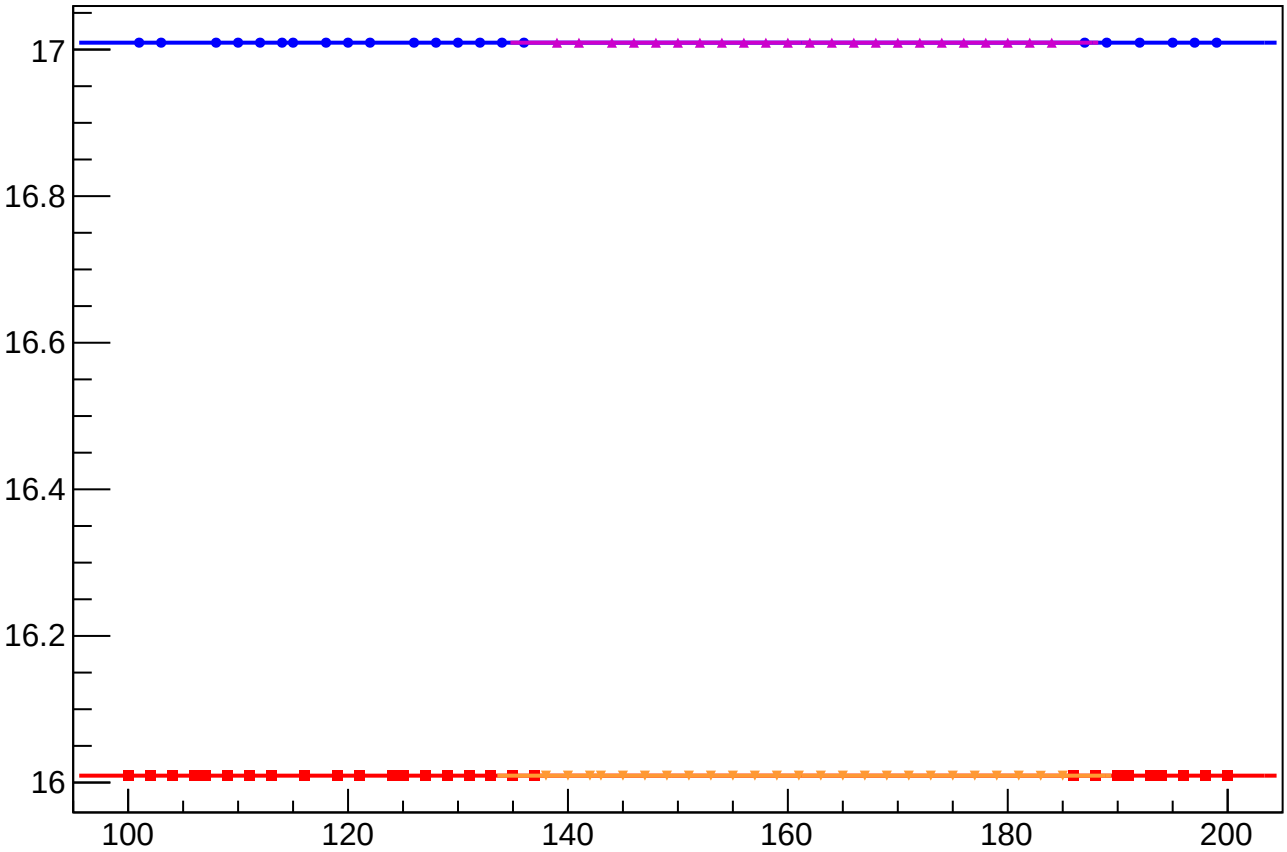
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.630+/-0.000 χ^2/NDF: 7091416839128806

All: 16.533+/-0.000 χ^2/NDF: 152403133971

- sign 16.438+/-0.000 χ^2/NDF: 7584232547147361

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 249317.9/21

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 394645.0/27

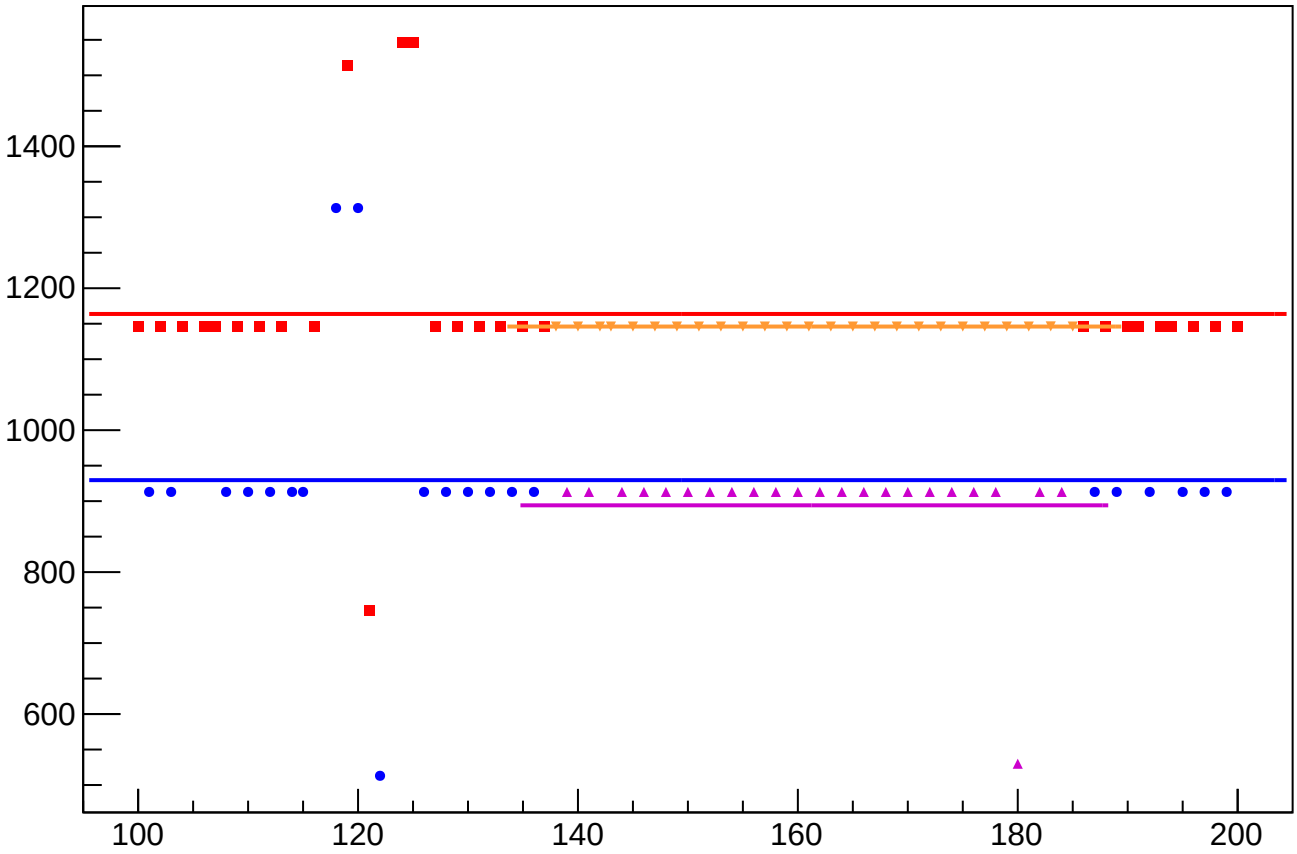
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.375+/-0.000 χ^2/NDF: 7278941869190964

All: 16.480+/-0.000 χ^2/NDF: 159264427114

- sign 16.581+/-0.000 χ^2/NDF: 7968135488224897

RTPAPOSUCNT_mean vs Slug



Right In: 929.592+/-0.000 χ^2/NDF: 212760746792457259576053551054454784000.0/21

+ sign 1066.119+/-0.000 χ^2/NDF: 5617284774877

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

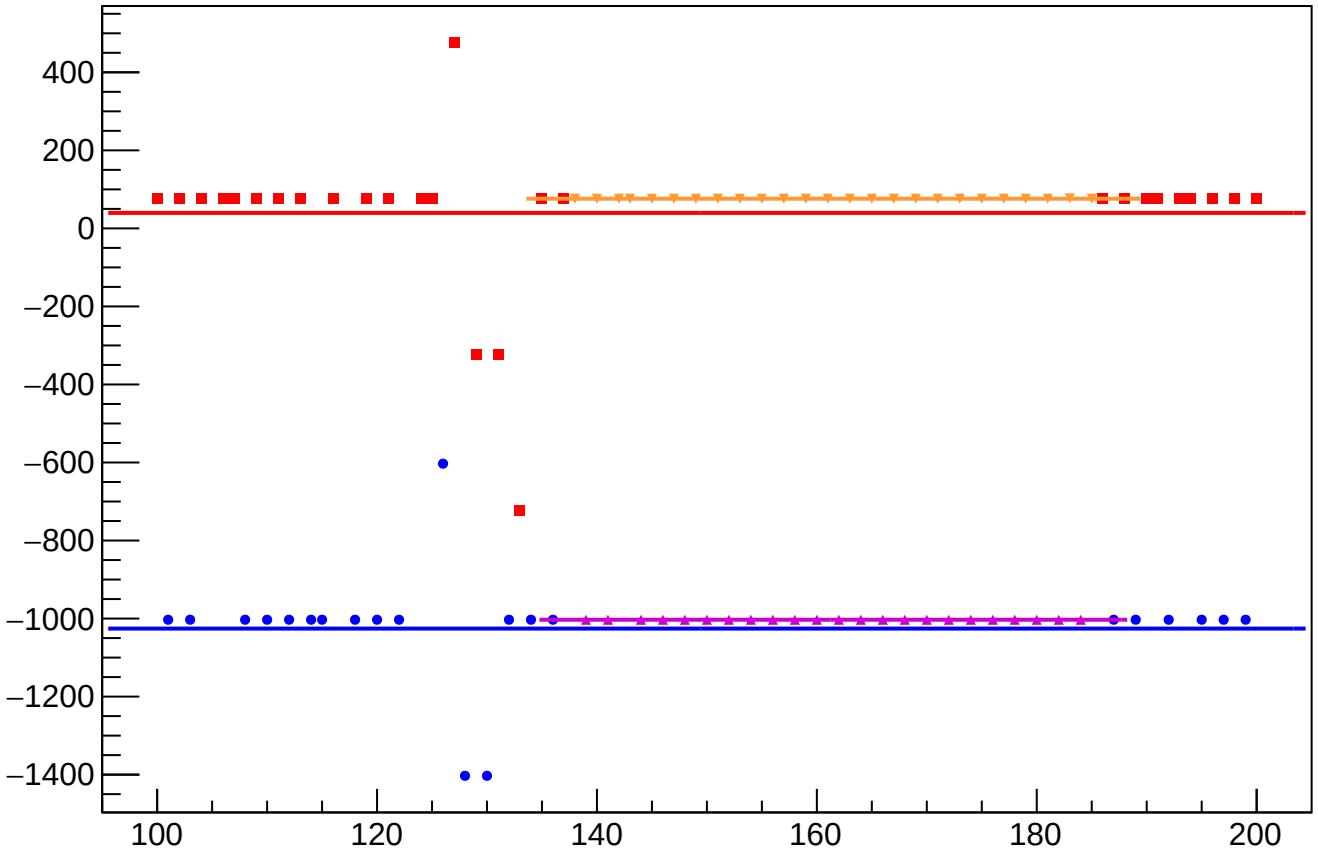
All: 1036.692+/-0.000 χ^2/NDF: 1558754097

Right Out: 1163.750+/-0.000 χ^2/NDF: 22506394450915596155584668050791596032.0/27

- sign 1008.199+/-0.000 χ^2/NDF: 94249961843850

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600/22

RTPAPOSVCNT_mean vs Slug



Right In: -1025.682+/-0.000 χ^2/NDF: 232314776551167228153235692915890585600.0/21

+ sign -330.684+/-0.000 χ^2/NDF: 92752860838845

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

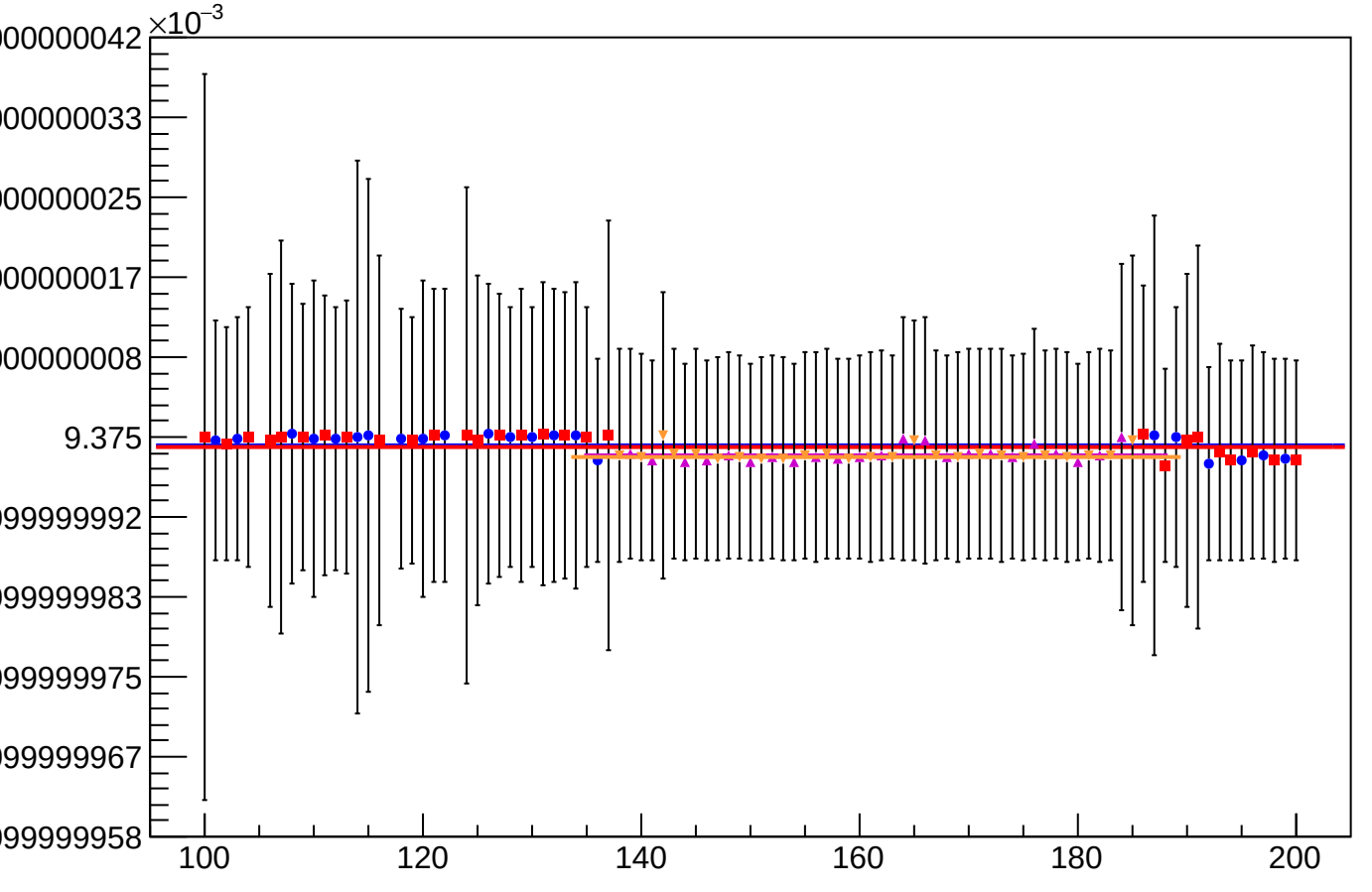
All: -448.115+/-0.000 χ^2/NDF: 1938703662

Right Out: 39.673+/-0.000 χ^2/NDF: 475937930015290069964227956386478161920/27

- sign -561.815+/-0.000 χ^2/NDF: 924347389492280

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

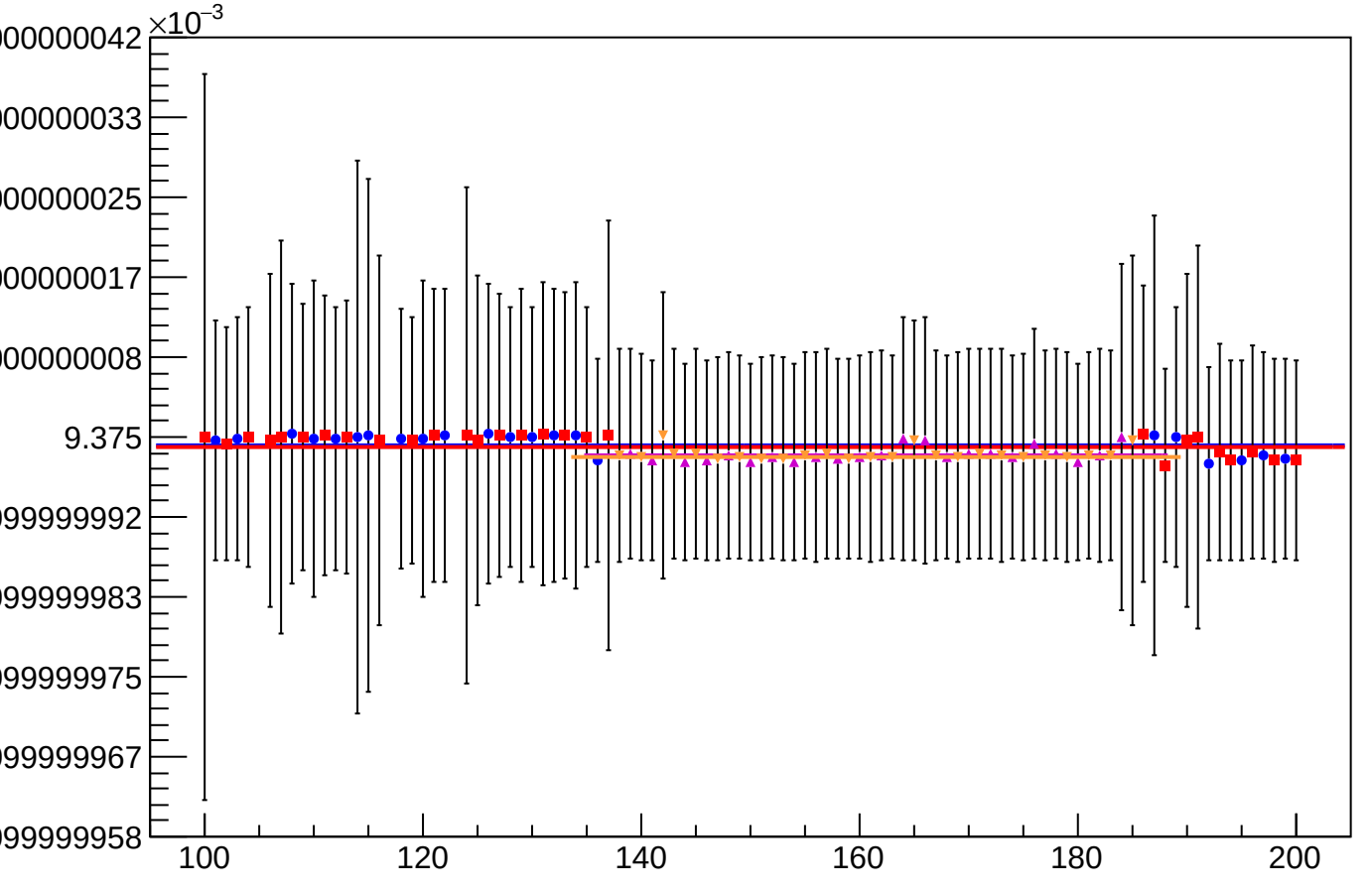
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/97

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50